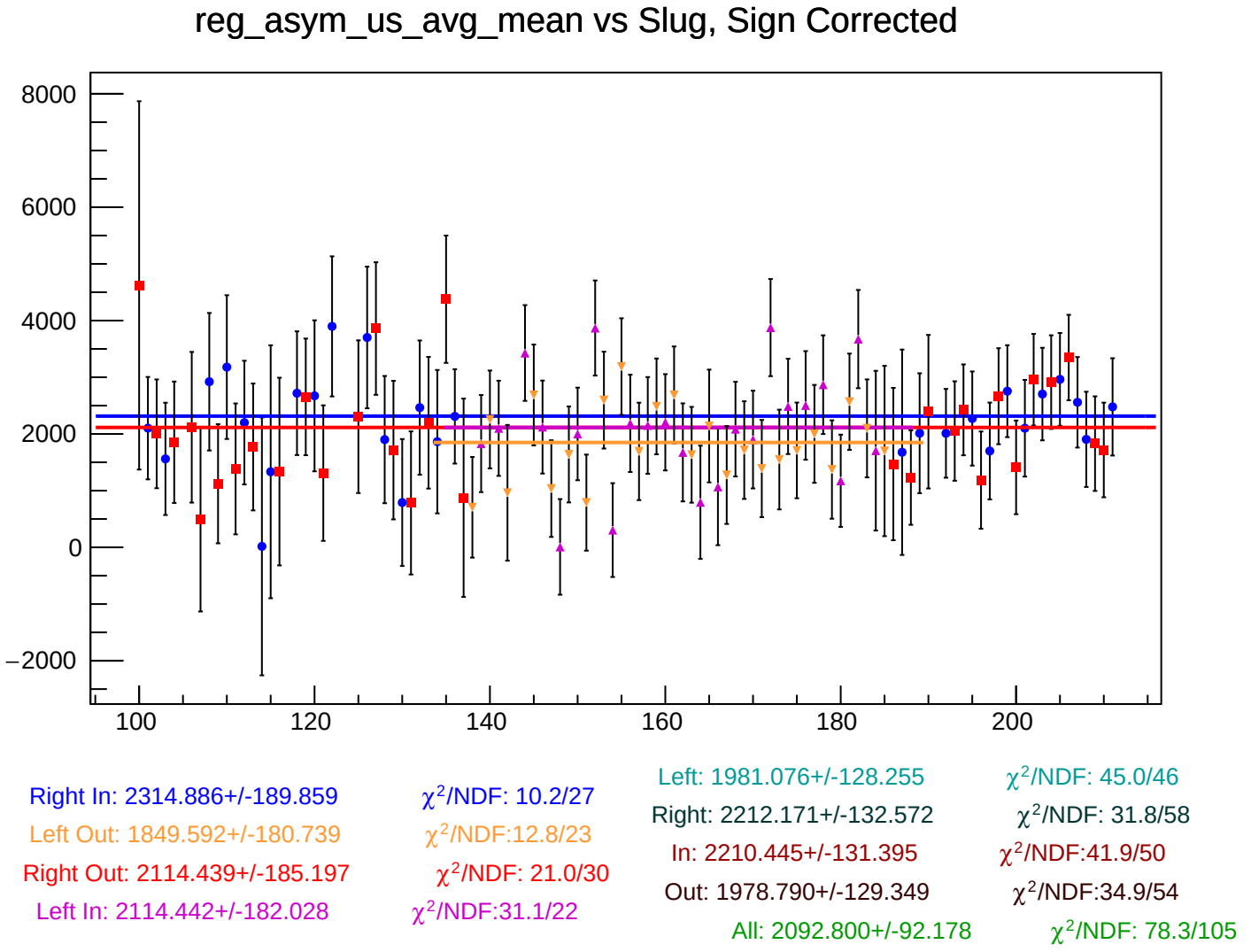
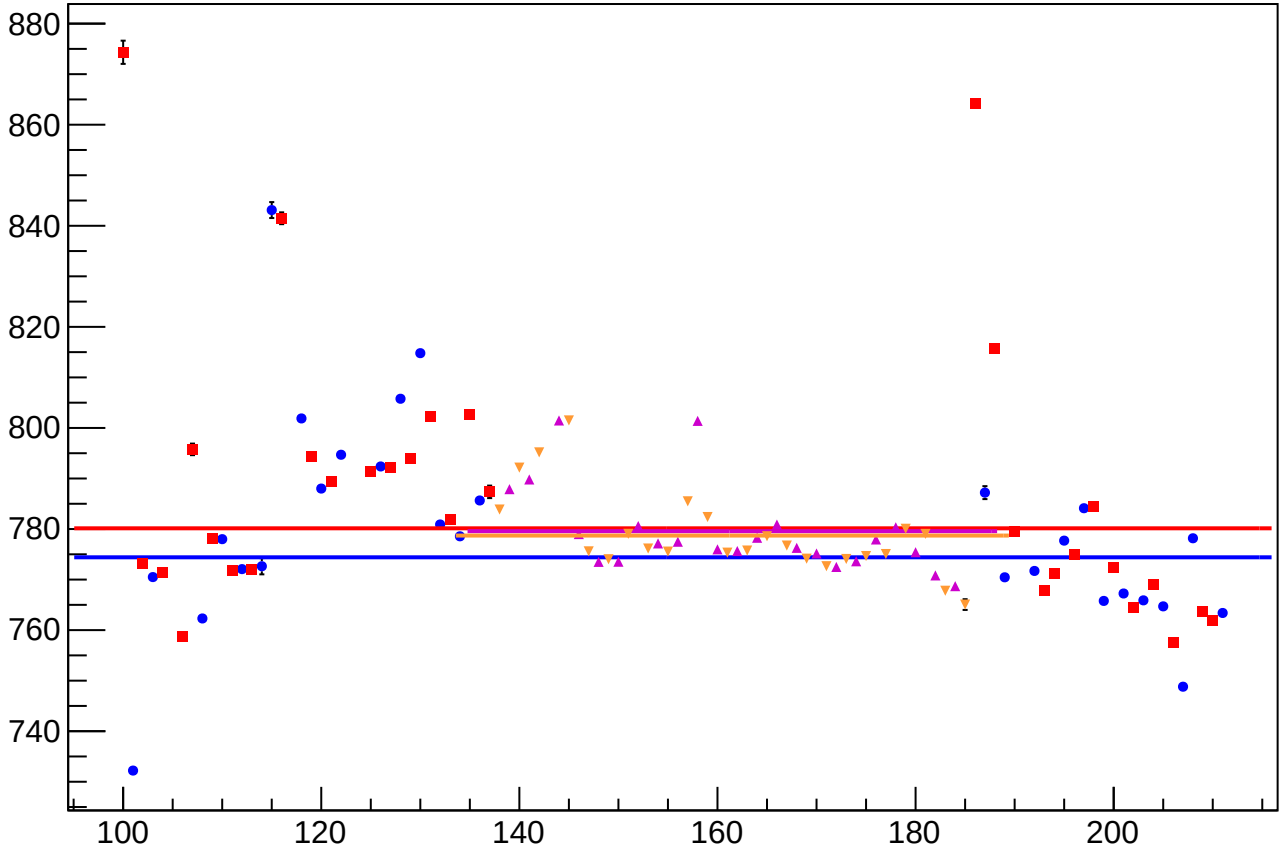

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2314.886+/-189.859
χ²/NDF: 10.2/27
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2114.439+/-185.197
χ²/NDF: 21.0/30
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2212.171+/-132.572
χ²/NDF: 31.8/58
In: 2210.445+/-131.395
χ²/NDF:41.9/50
Out: 1978.790+/-129.349
χ²/NDF:34.9/54
All: 2092.800+/-92.178
χ²/NDF: 78.3/105

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

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

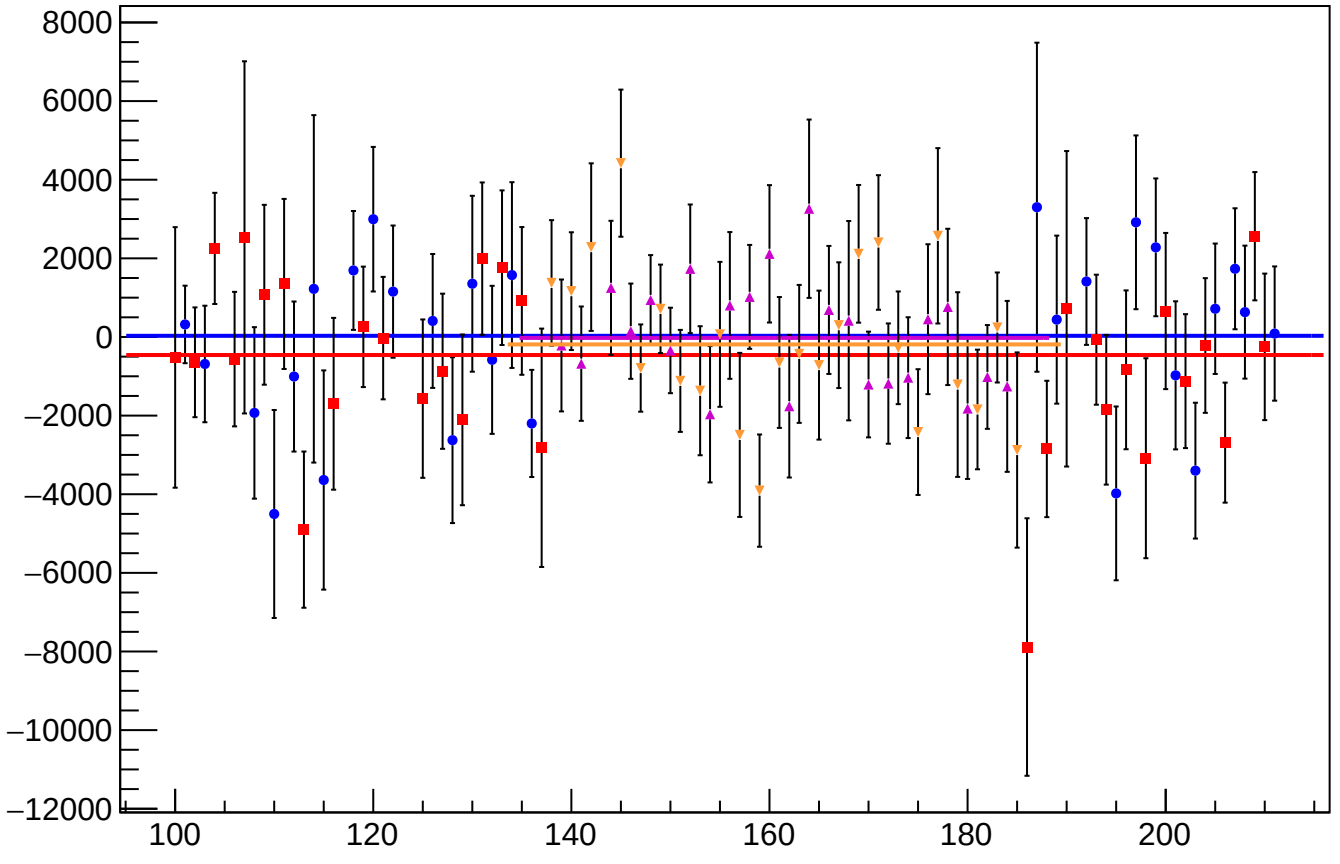
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 777.346+/-0.094 χ^2/NDF: 43470.0/58

In: 777.099+/-0.093 χ^2/NDF:22243.4/50

Out: 779.408+/-0.091 χ^2/NDF:28687.3/54

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: -458.965+/-345.135 χ^2/NDF: 30.7/30

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

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

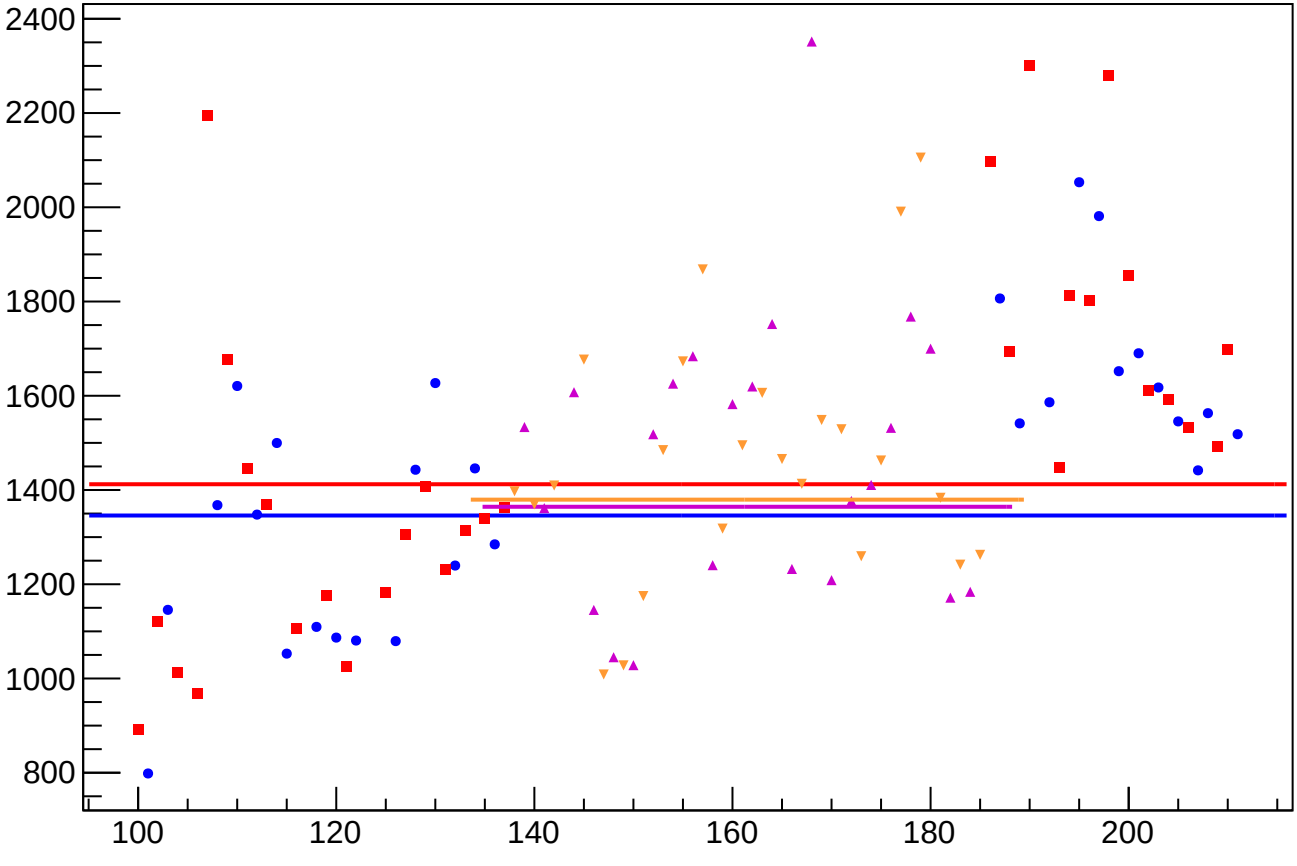
Right: -211.151+/-242.298 χ^2/NDF: 61.1/58

In: 1.809+/-235.318 χ^2/NDF:42.9/50

Out: -316.985+/-237.634 χ^2/NDF:60.7/54

All: -156.027+/-167.208 χ^2/NDF: 104.4/105

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

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

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

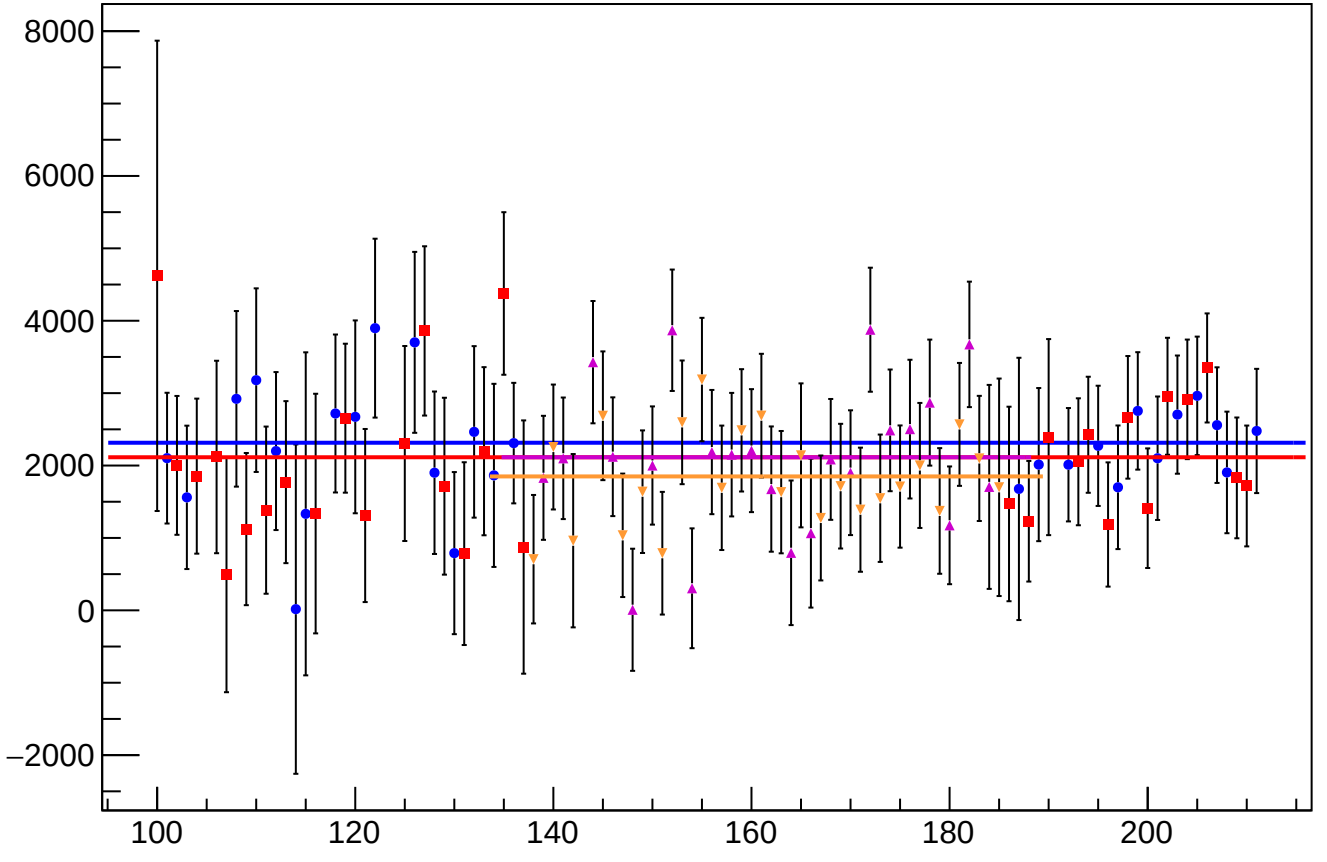
Right: 1378.576+/-0.171 χ^2/NDF: 3333404.5/58

In: 1355.540+/-0.166 χ^2/NDF:2974915.6/50

Out: 1395.038+/-0.168 χ^2/NDF:2804289.1/54

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2314.886+/-189.859 χ^2/NDF: 10.2/27

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

Right Out: 2114.439+/-185.197 χ^2/NDF: 21.0/30

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

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

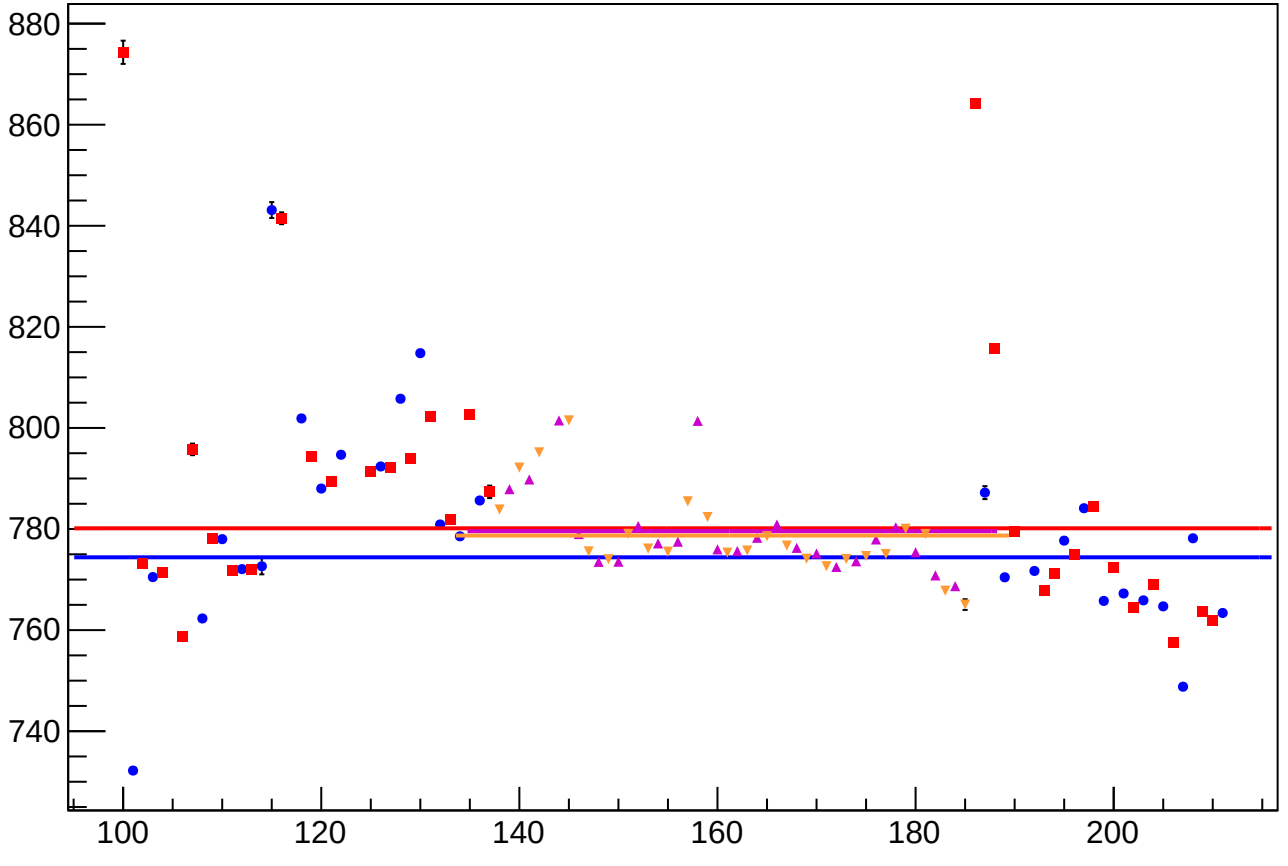
Right: 2212.171+/-132.572 χ^2/NDF: 31.8/58

In: 2210.445+/-131.395 χ^2/NDF:41.9/50

Out: 1978.790+/-129.349 χ^2/NDF:34.9/54

All: 2092.800+/-92.178 χ^2/NDF: 78.3/105

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

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

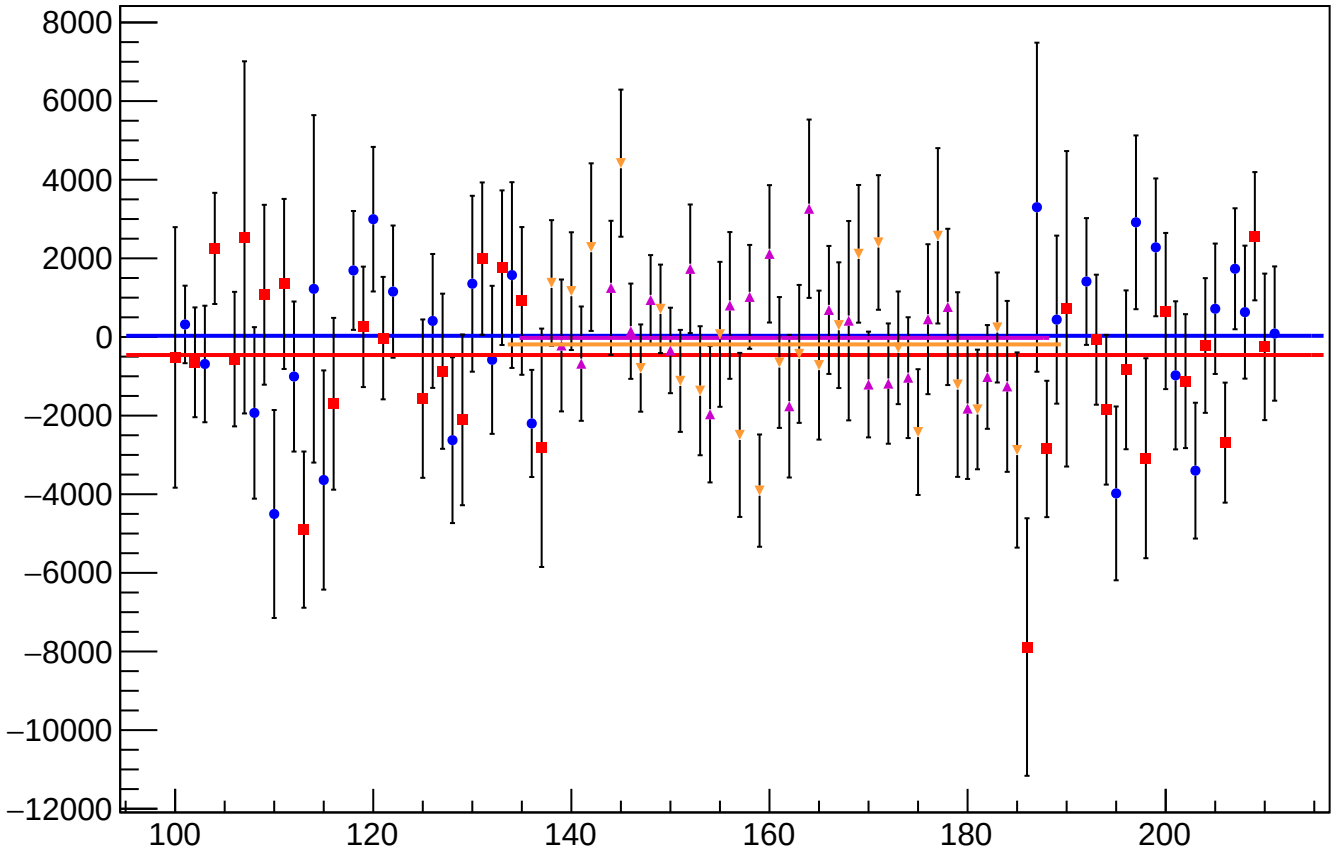
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 777.346+/-0.094 χ^2/NDF: 43470.0/58

In: 777.099+/-0.093 χ^2/NDF:22243.4/50

Out: 779.408+/-0.091 χ^2/NDF:28687.3/54

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: -458.965+/-345.135 χ^2/NDF: 30.7/30

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

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

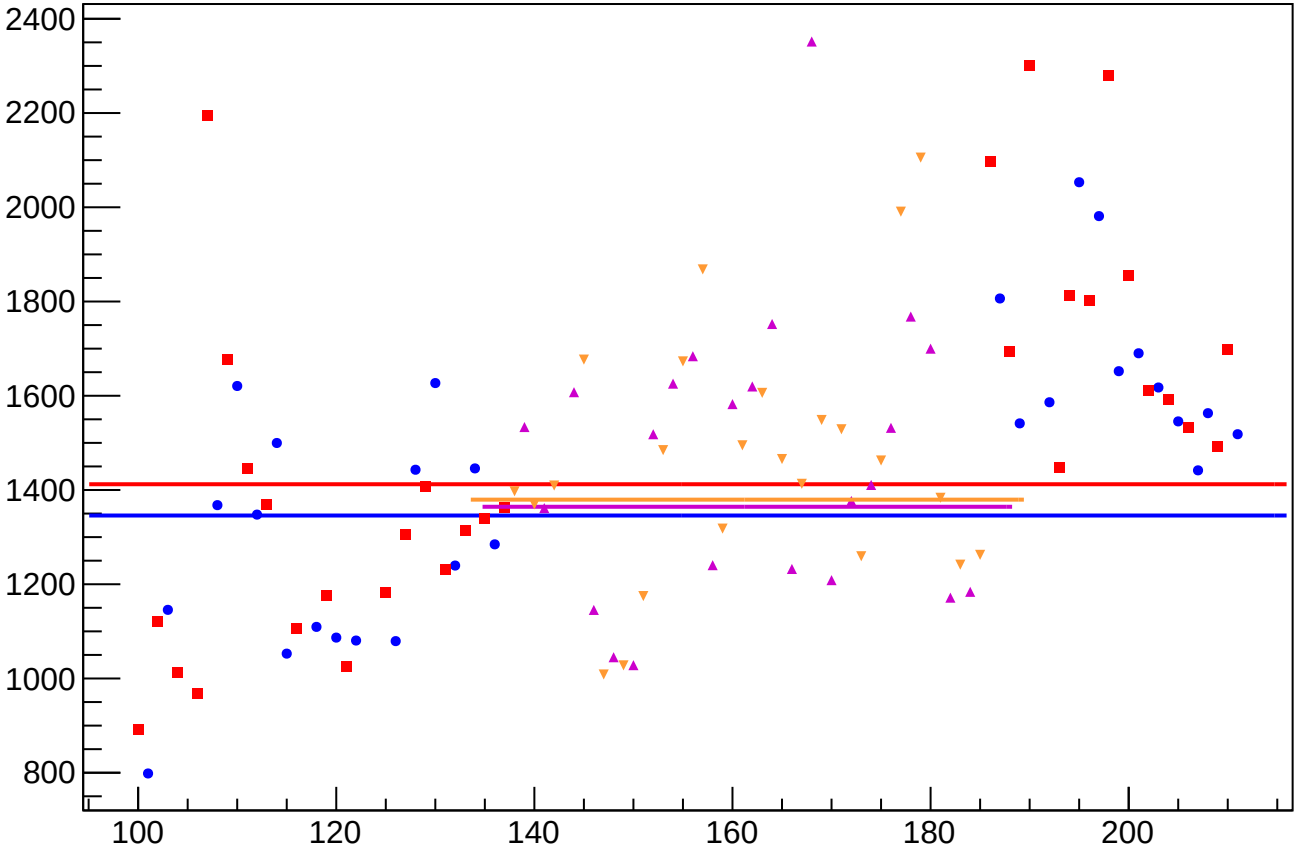
Right: -211.151+/-242.298 χ^2/NDF: 61.1/58

In: 1.809+/-235.318 χ^2/NDF:42.9/50

Out: -316.985+/-237.634 χ^2/NDF:60.7/54

All: -156.027+/-167.208 χ^2/NDF: 104.4/105

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

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

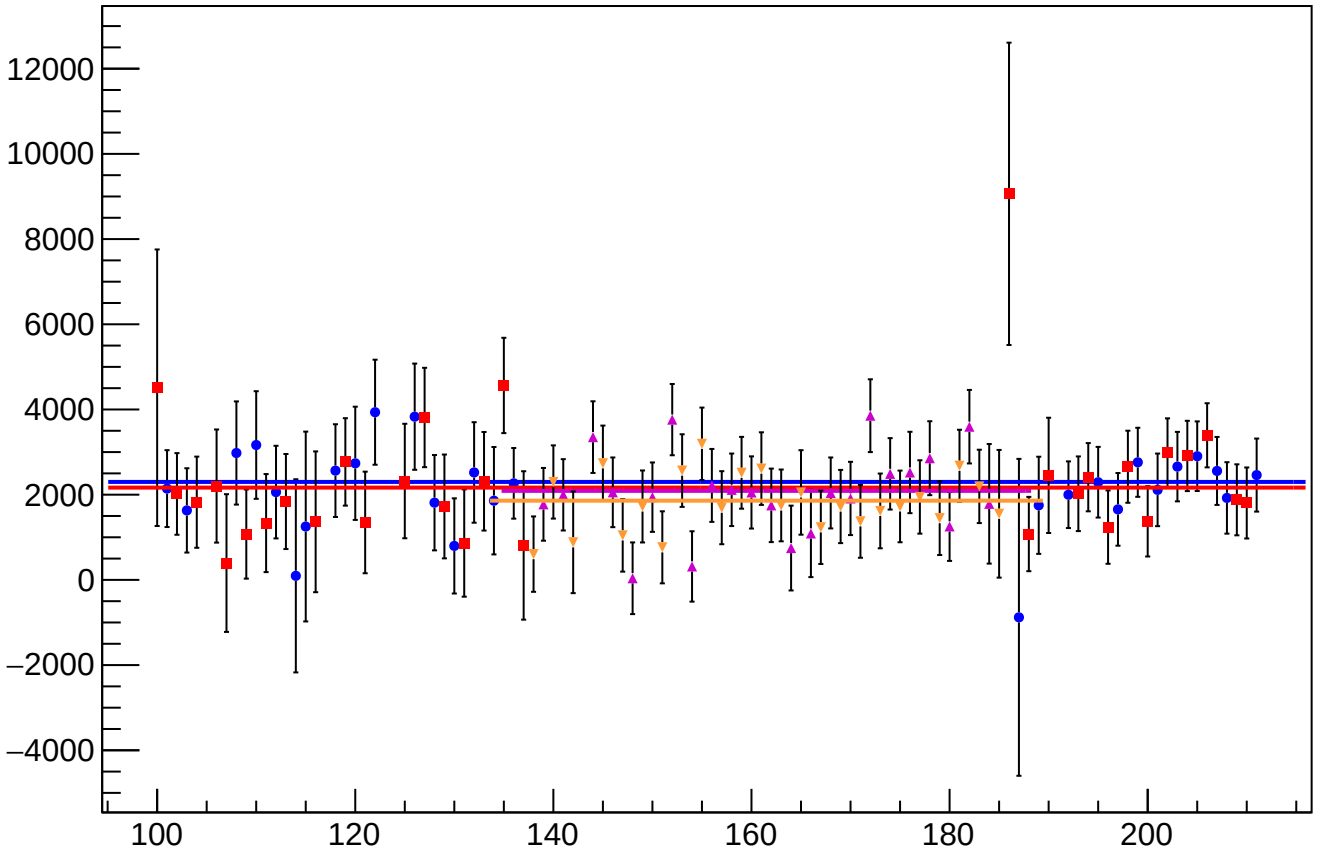
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1378.576+/-0.171 χ^2/NDF: 3333404.5/58

In: 1355.540+/-0.166 χ^2/NDF:2974915.6/50

Out: 1395.038+/-0.168 χ^2/NDF:2804289.1/54

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10



Right In: 2299.657+/-190.799 χ^2/NDF: 11.2/27

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

Right Out: 2166.089+/-186.902 χ^2/NDF: 25.7/30

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

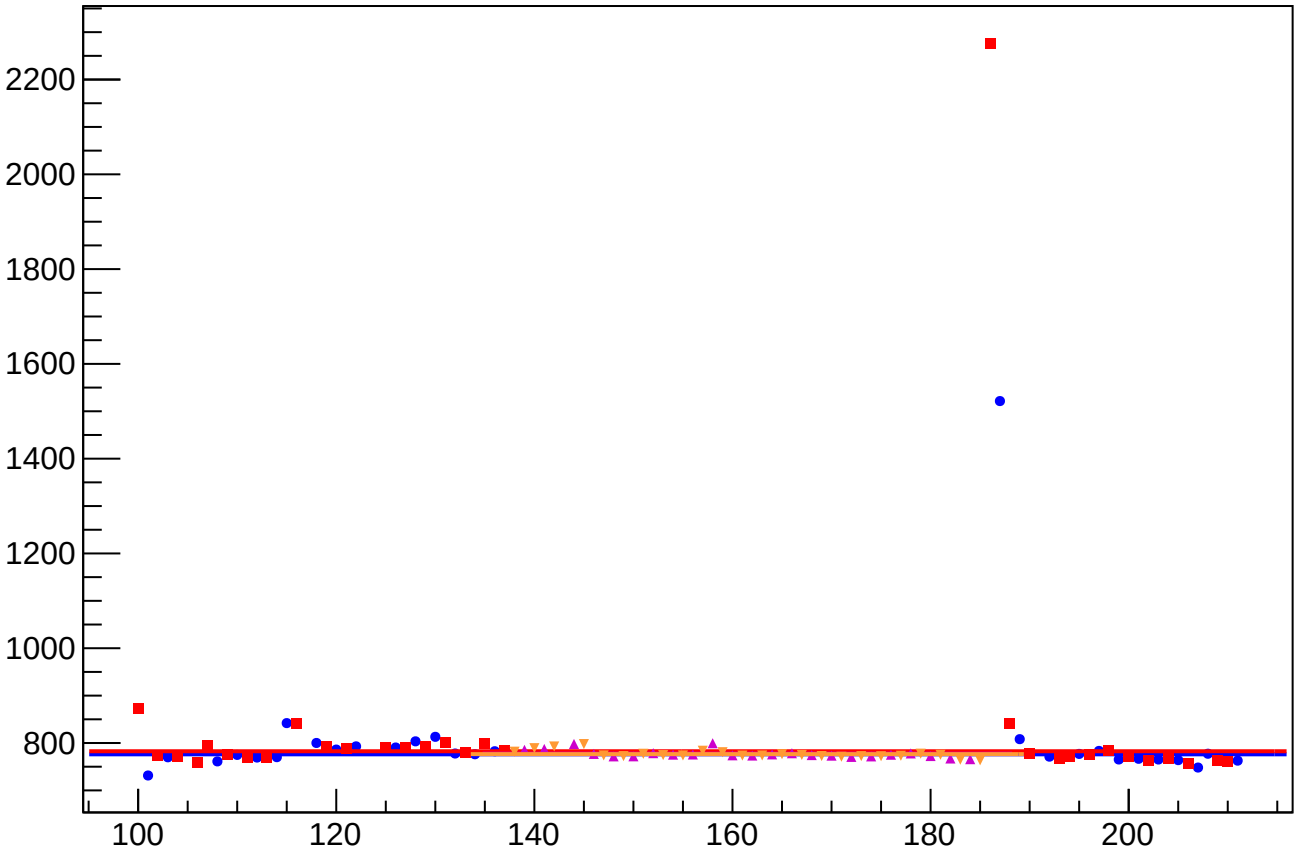
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2231.495+/-133.516 χ^2/NDF: 37.2/58

In: 2189.341+/-131.513 χ^2/NDF:41.5/50

Out: 2007.240+/-129.737 χ^2/NDF:40.7/54

All: 2097.052+/-92.359 χ^2/NDF: 83.1/105



Right In: 776.112+/-0.135 χ^2/NDF: 98834.2/27

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

Right Out: 782.609+/-0.132 χ^2/NDF: 378559.8/30

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

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

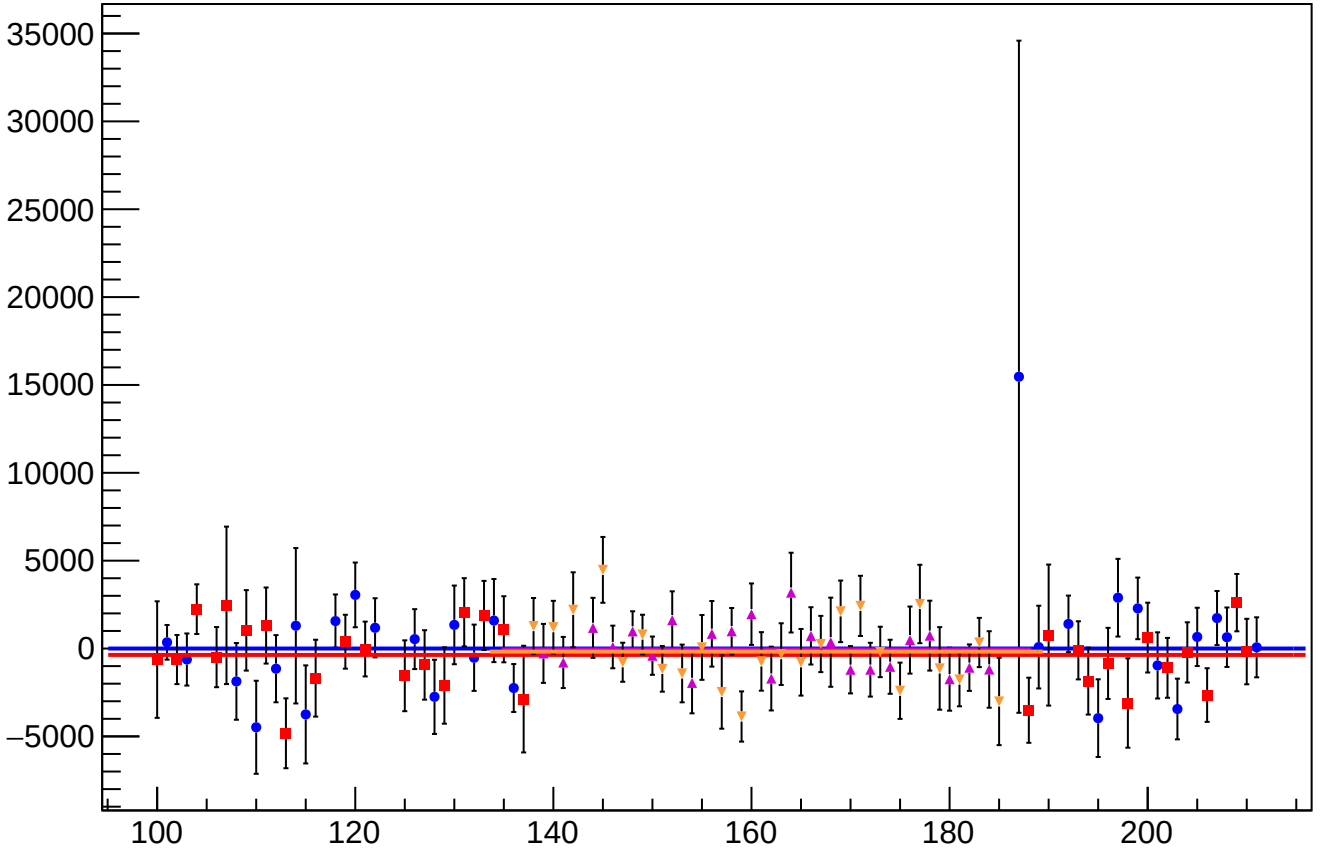
Right: 779.428+/-0.094 χ^2/NDF: 478577.3/58

In: 776.795+/-0.093 χ^2/NDF:102945.1/50

Out: 779.455+/-0.092 χ^2/NDF:382795.8/54

All: 778.143+/-0.065 χ^2/NDF: 486155.7/105

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 0.231+/-342.317 χ^2/NDF: 29.7/27

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

Right Out: -362.394+/-348.146 χ^2/NDF: 26.5/29

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

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

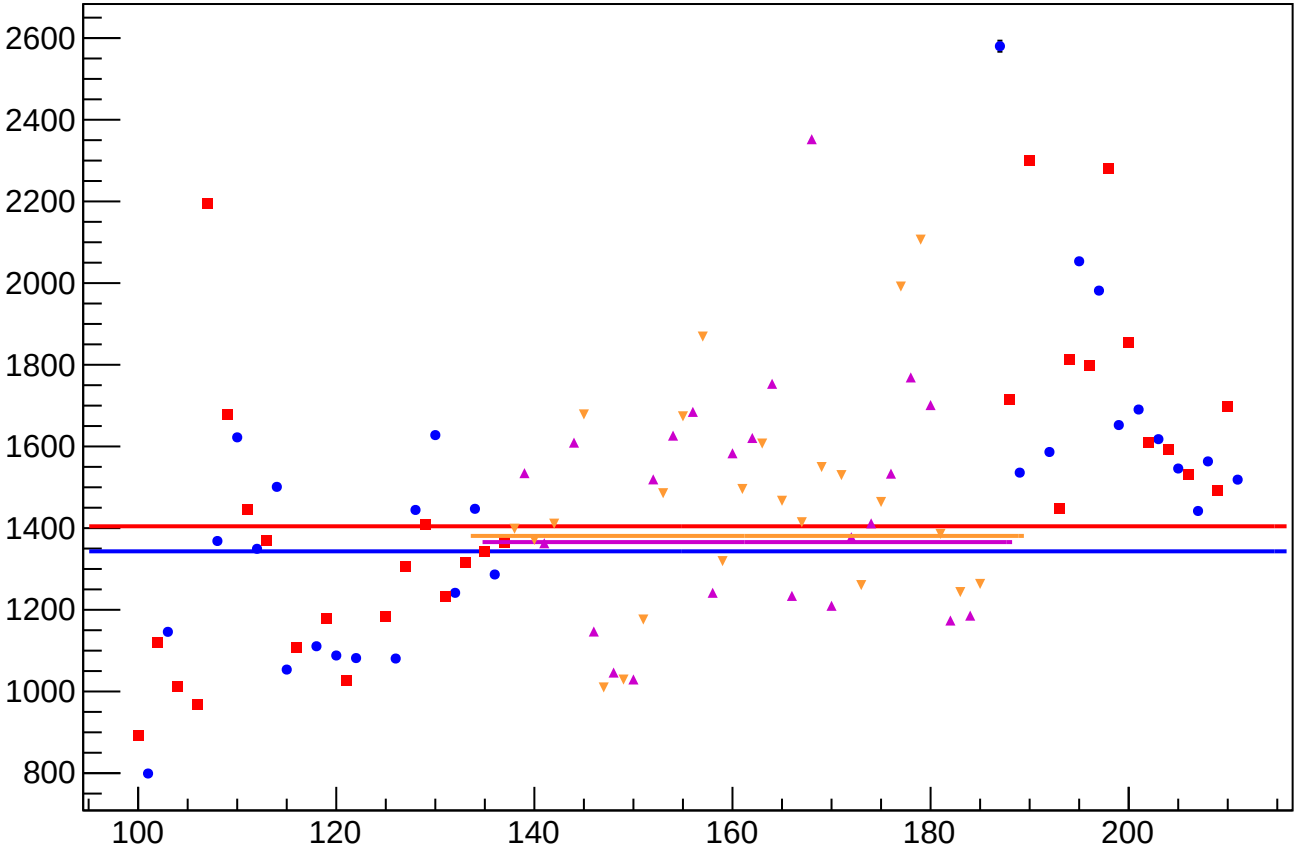
Right: -178.021+/-244.089 χ^2/NDF: 56.8/57

In: -27.579+/-236.122 χ^2/NDF:42.7/50

Out: -263.080+/-238.732 χ^2/NDF:56.3/53

All: -144.035+/-167.879 χ^2/NDF: 99.5/104

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1343.203+/-0.242 χ^2/NDF: 1635361.3/27

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

Right Out: 1404.525+/-0.246 χ^2/NDF: 1541855.2/29

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

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

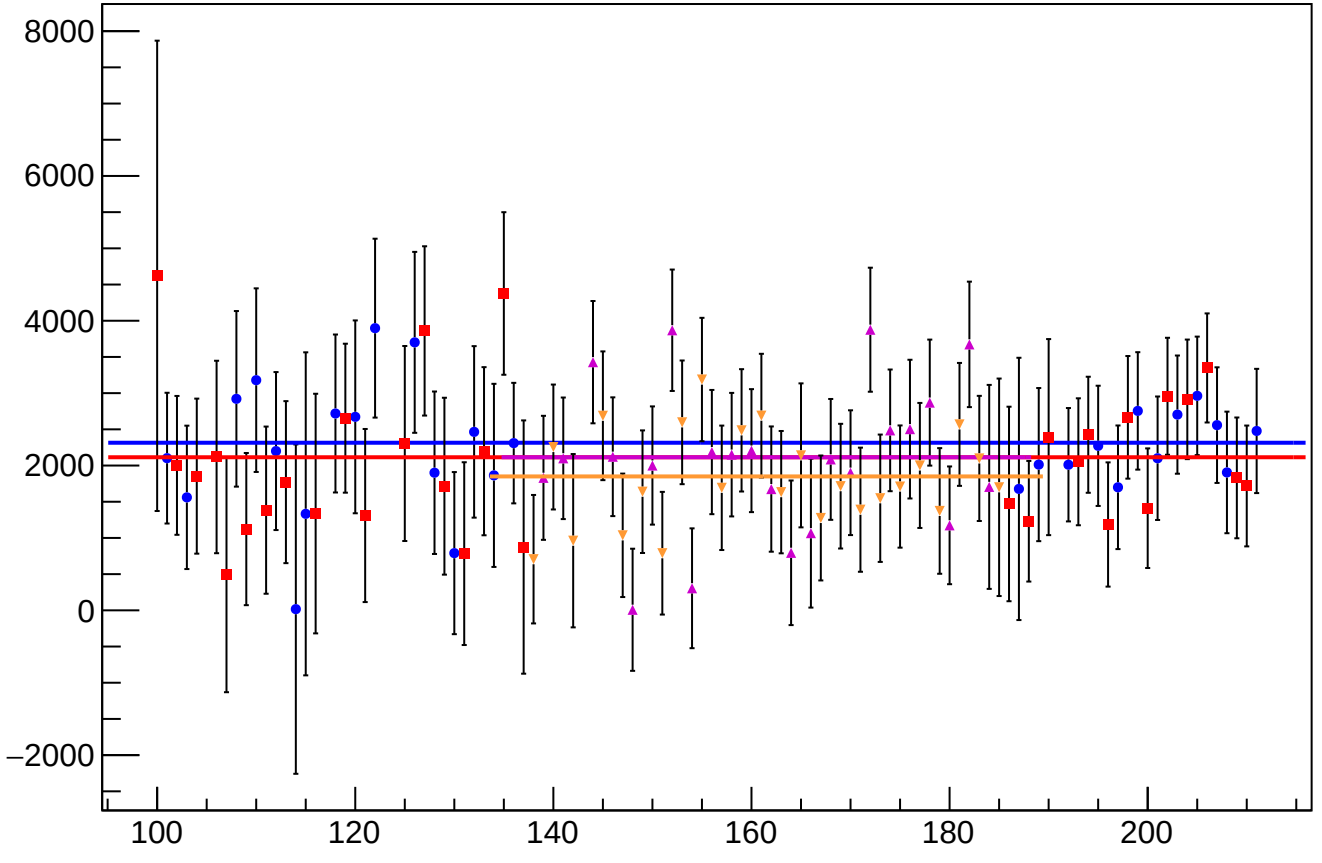
Right: 1373.346+/-0.173 χ^2/NDF: 3208765.6/57

In: 1355.054+/-0.167 χ^2/NDF:2948797.0/50

Out: 1392.037+/-0.169 χ^2/NDF:2702150.6/53

All: 1373.342+/-0.119 χ^2/NDF: 5675208.9/10

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2314.886+/-189.859 χ^2/NDF: 10.2/27

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

Right Out: 2114.439+/-185.197 χ^2/NDF: 21.0/30

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

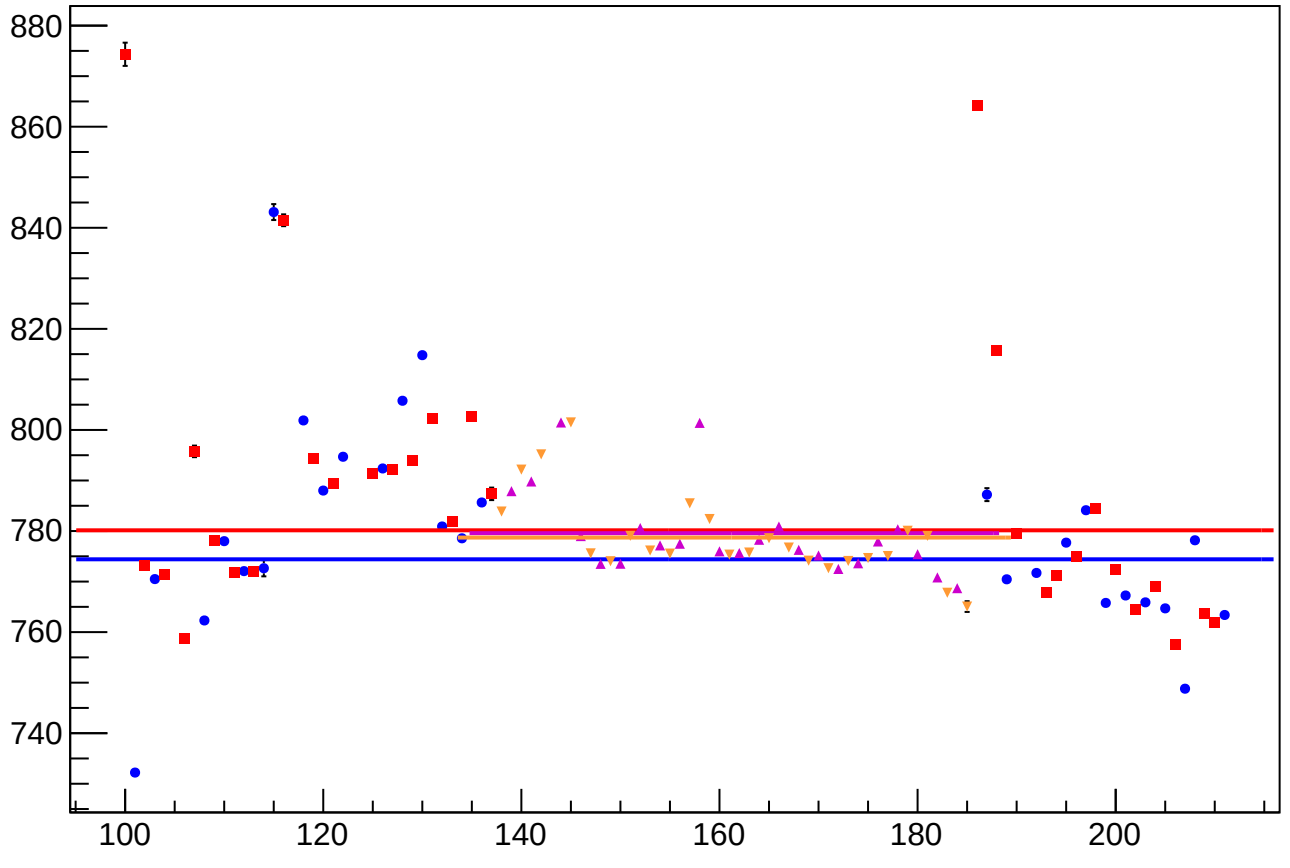
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2212.171+/-132.572 χ^2/NDF: 31.8/58

In: 2210.445+/-131.395 χ^2/NDF:41.9/50

Out: 1978.790+/-129.349 χ^2/NDF:34.9/54

All: 2092.800+/-92.178 χ^2/NDF: 78.3/105



Right In: 774.406+/-0.134 χ^2/NDF: 17298.2/27

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

Right Out: 780.143+/-0.131 χ^2/NDF: 25236.1/30

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

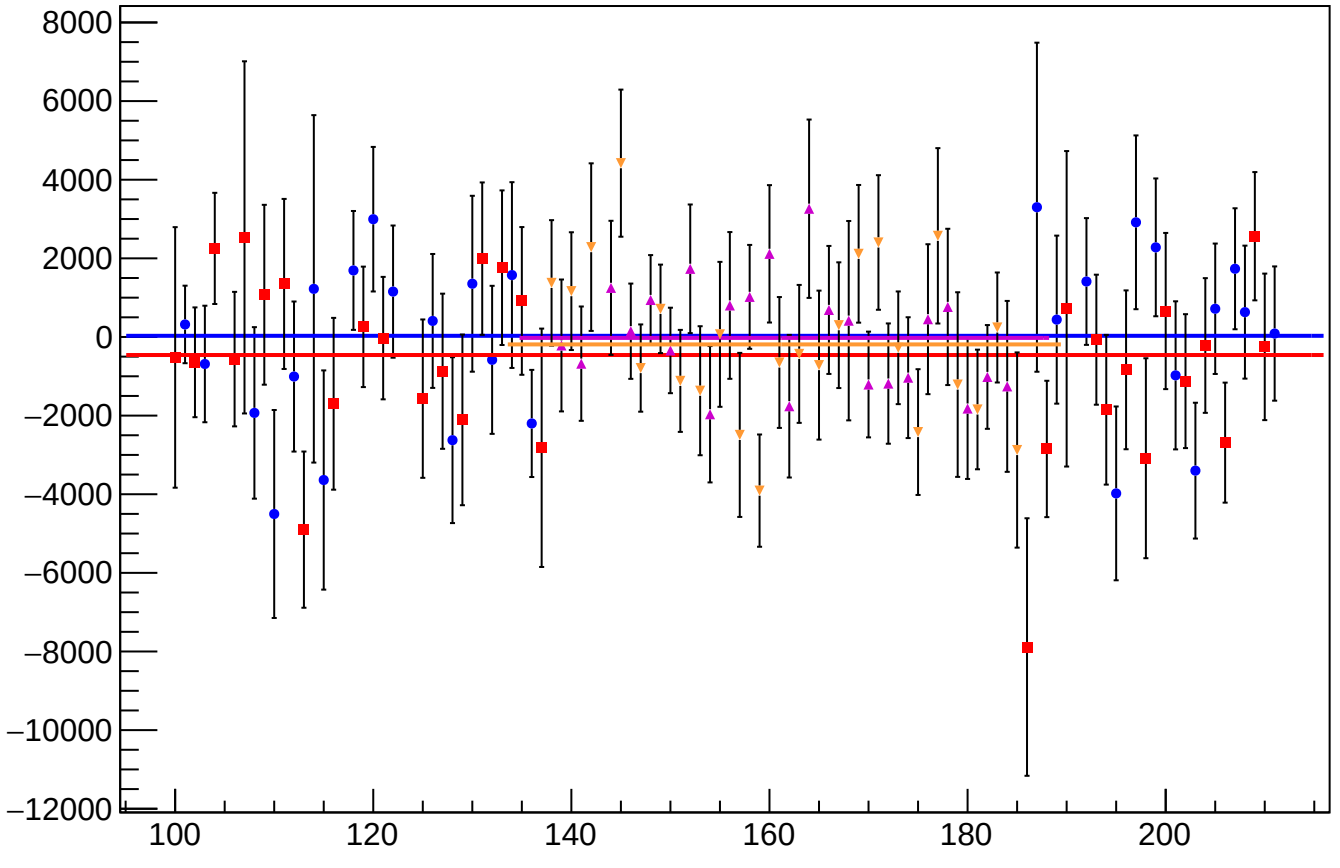
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 777.346+/-0.094 χ^2/NDF: 43470.0/58

In: 777.099+/-0.093 χ^2/NDF:22243.4/50

Out: 779.408+/-0.091 χ^2/NDF:28687.3/54

All: 778.272+/-0.065 χ^2/NDF: 51244.4/105



Right In: 29.684+/-340.240 χ^2/NDF: 29.4/27

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

Right Out: -458.965+/-345.135 χ^2/NDF: 30.7/30

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

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

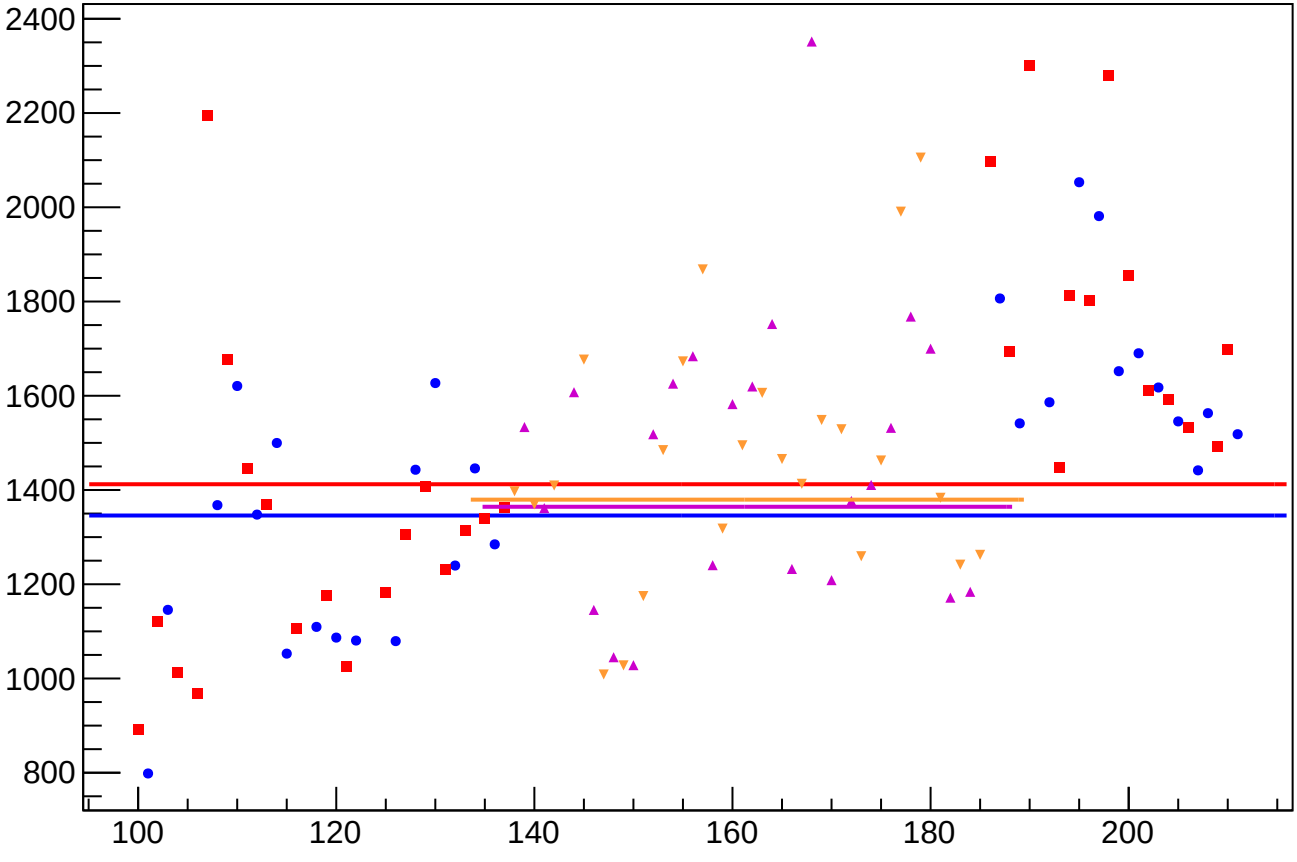
Right: -211.151+/-242.298 χ^2/NDF: 61.1/58

In: 1.809+/-235.318 χ^2/NDF:42.9/50

Out: -316.985+/-237.634 χ^2/NDF:60.7/54

All: -156.027+/-167.208 χ^2/NDF: 104.4/105

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1345.864+/-0.241 χ^2/NDF: 1659515.5/27

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

Right Out: 1412.236+/-0.244 χ^2/NDF: 1636378.1/30

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

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

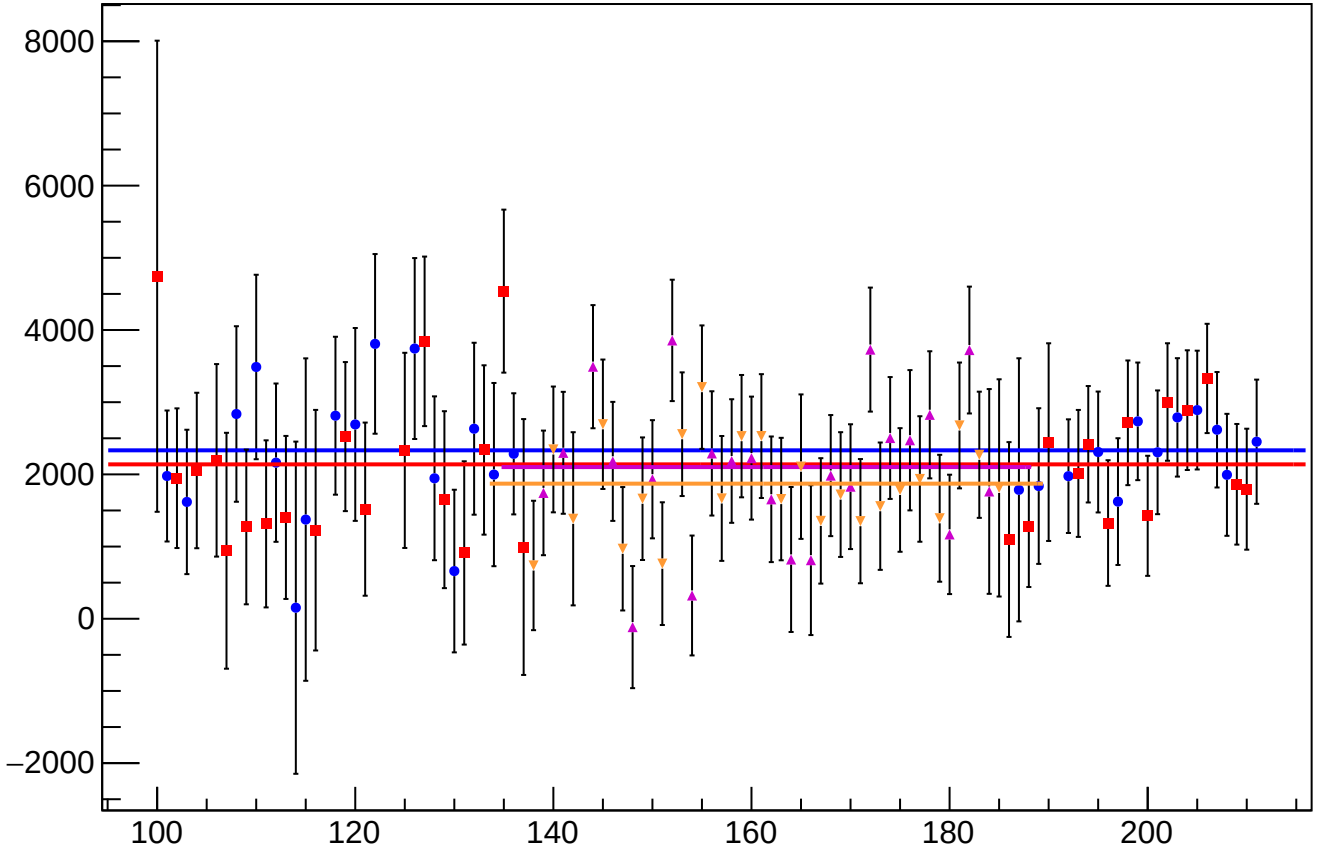
Right: 1378.576+/-0.171 χ^2/NDF: 3333404.5/58

In: 1355.540+/-0.166 χ^2/NDF:2974915.6/50

Out: 1395.038+/-0.168 χ^2/NDF:2804289.1/54

All: 1375.095+/-0.118 χ^2/NDF: 5807103.0/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2333.143+/-191.180 χ^2/NDF: 10.6/27

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

Right Out: 2138.809+/-186.462 χ^2/NDF: 20.3/30

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

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

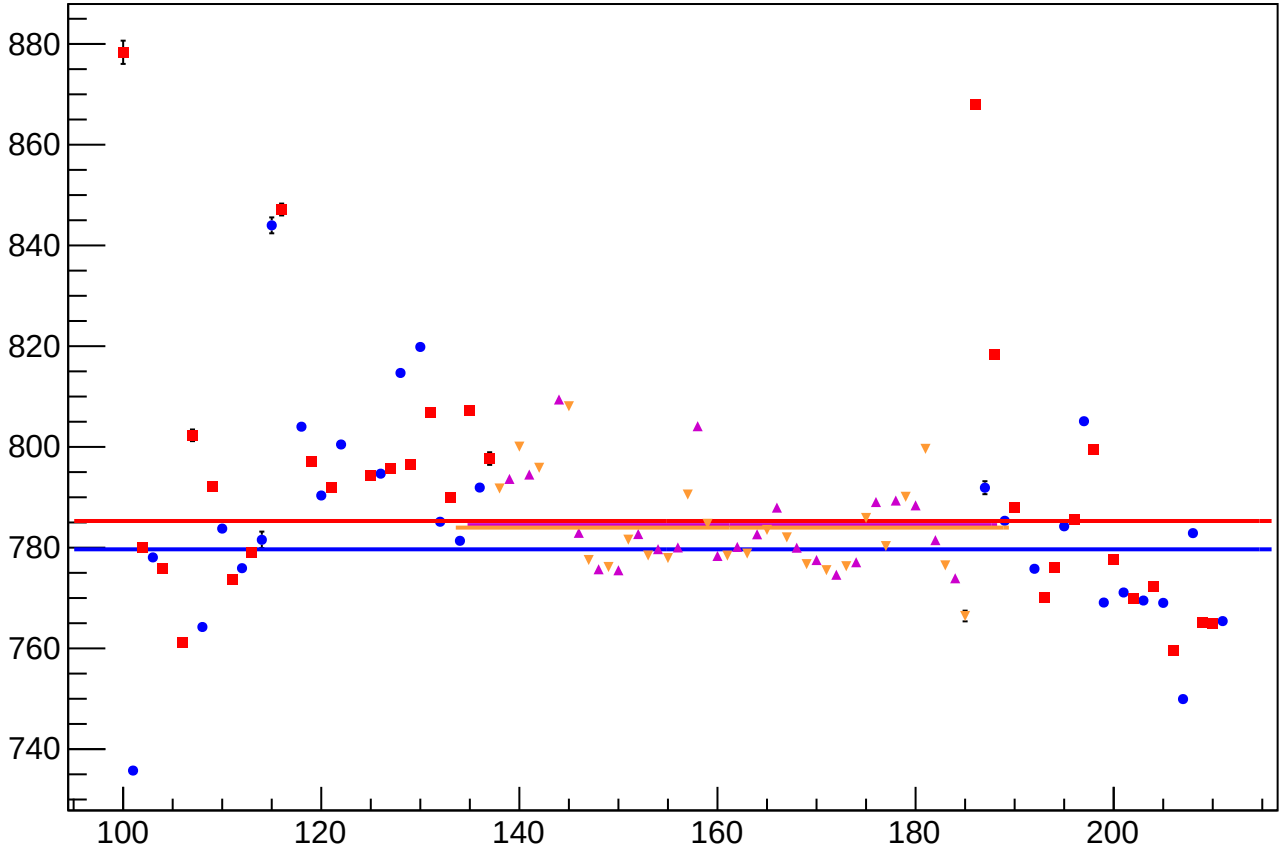
Right: 2233.549+/-133.485 χ^2/NDF: 31.5/58

In: 2212.137+/-132.265 χ^2/NDF:43.2/50

Out: 2001.879+/-130.234 χ^2/NDF:33.8/54

All: 2105.381+/-92.799 χ^2/NDF: 78.3/105

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 779.669+/-0.135 χ^2/NDF: 20054.5/27

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

Right Out: 785.294+/-0.132 χ^2/NDF: 26097.5/30

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

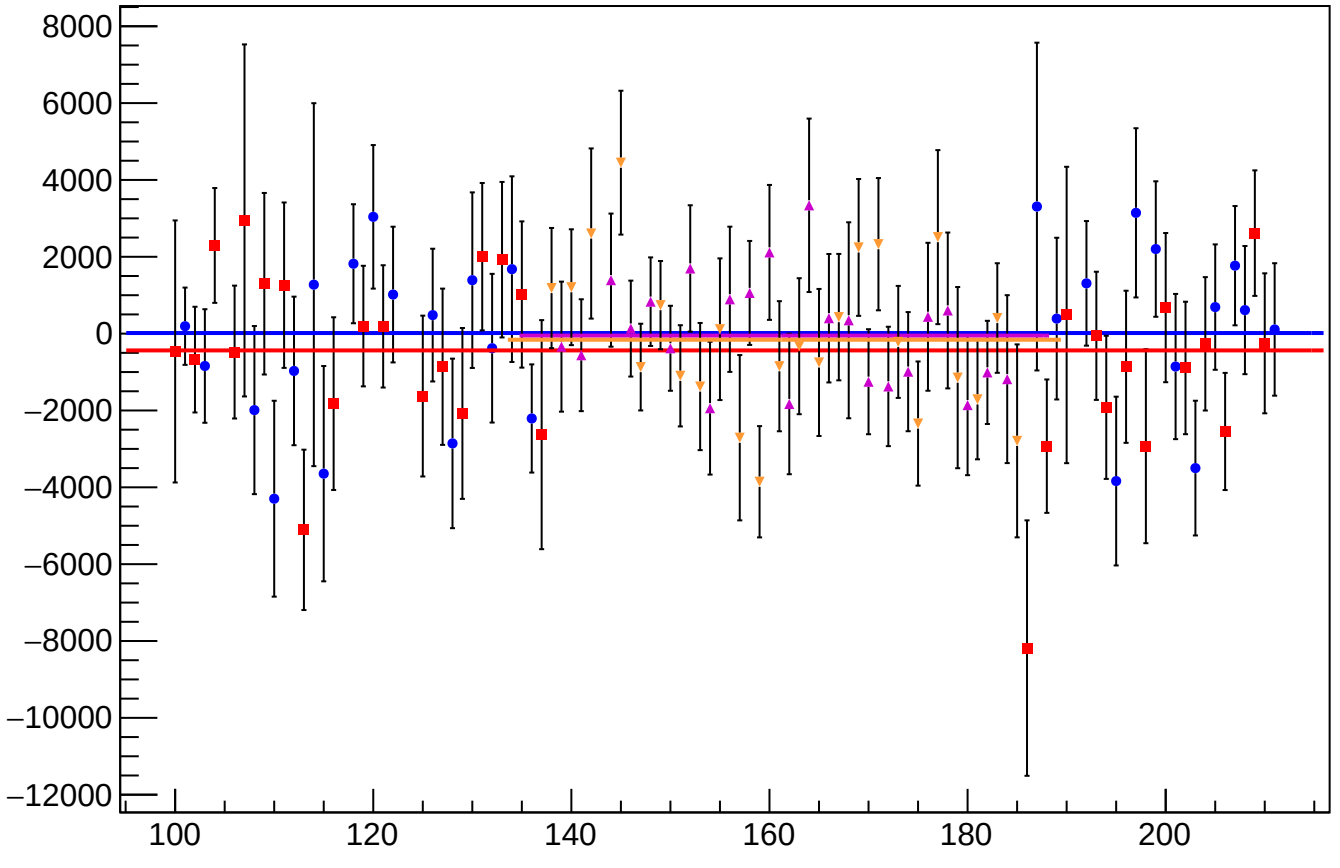
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 782.552+/-0.094 χ^2/NDF: 47039.5/58

In: 782.173+/-0.094 χ^2/NDF:25640.5/50

Out: 784.622+/-0.092 χ^2/NDF:31076.3/54

All: 783.417+/-0.066 χ^2/NDF: 57064.9/105



Right In: 15.571+/-344.281 χ^2/NDF: 29.3/27

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

Right Out: -436.733+/-348.493 χ^2/NDF: 30.9/30

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

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

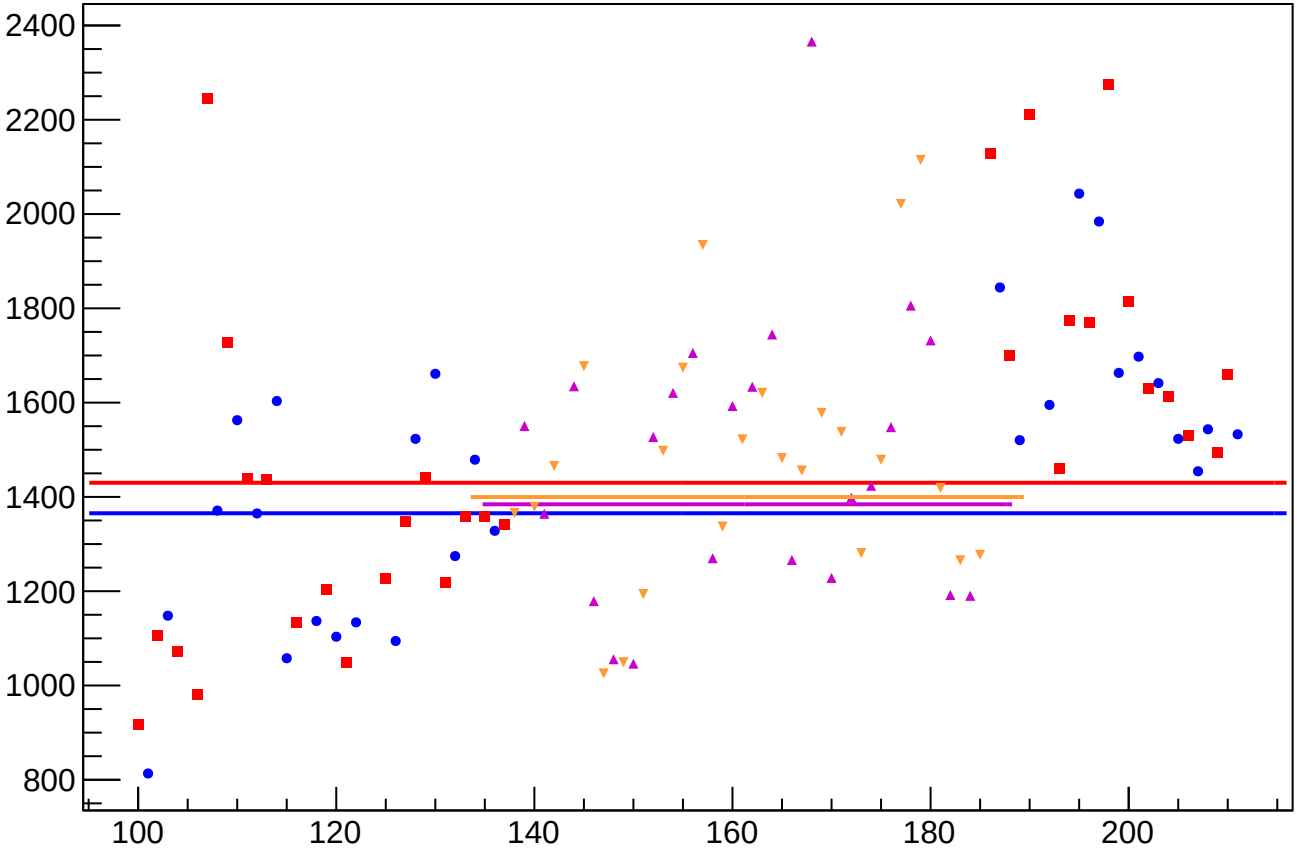
Right: -207.831+/-244.919 χ^2/NDF: 61.0/58

In: -19.611+/-238.311 χ^2/NDF:42.7/50

Out: -291.363+/-240.451 χ^2/NDF:60.3/54

All: -154.272+/-169.263 χ^2/NDF: 103.7/105

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1365.337+/-0.243 χ^2/NDF: 1567645.0/27

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

Right Out: 1430.045+/-0.246 χ^2/NDF: 1487196.0/30

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

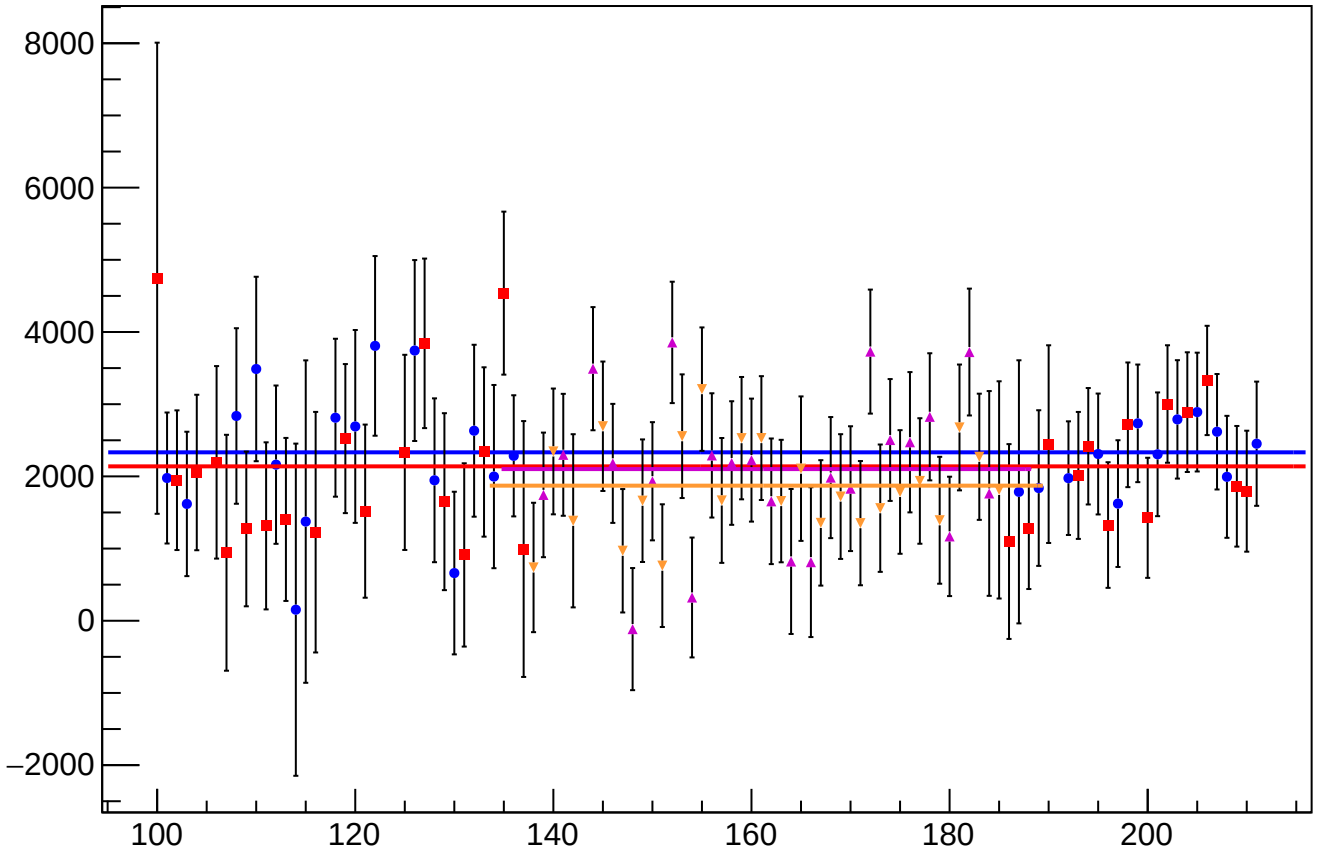
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1397.298+/-0.173 χ^2/NDF: 3089736.9/58

In: 1375.232+/-0.169 χ^2/NDF:2840753.1/50

Out: 1414.155+/-0.170 χ^2/NDF:2631482.4/54

All: 1394.519+/-0.120 χ^2/NDF: 5498673.8/10



Right In: 2333.143+/-191.180 χ^2/NDF: 10.6/27

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

Right Out: 2138.808+/-186.462 χ^2/NDF: 20.3/30

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

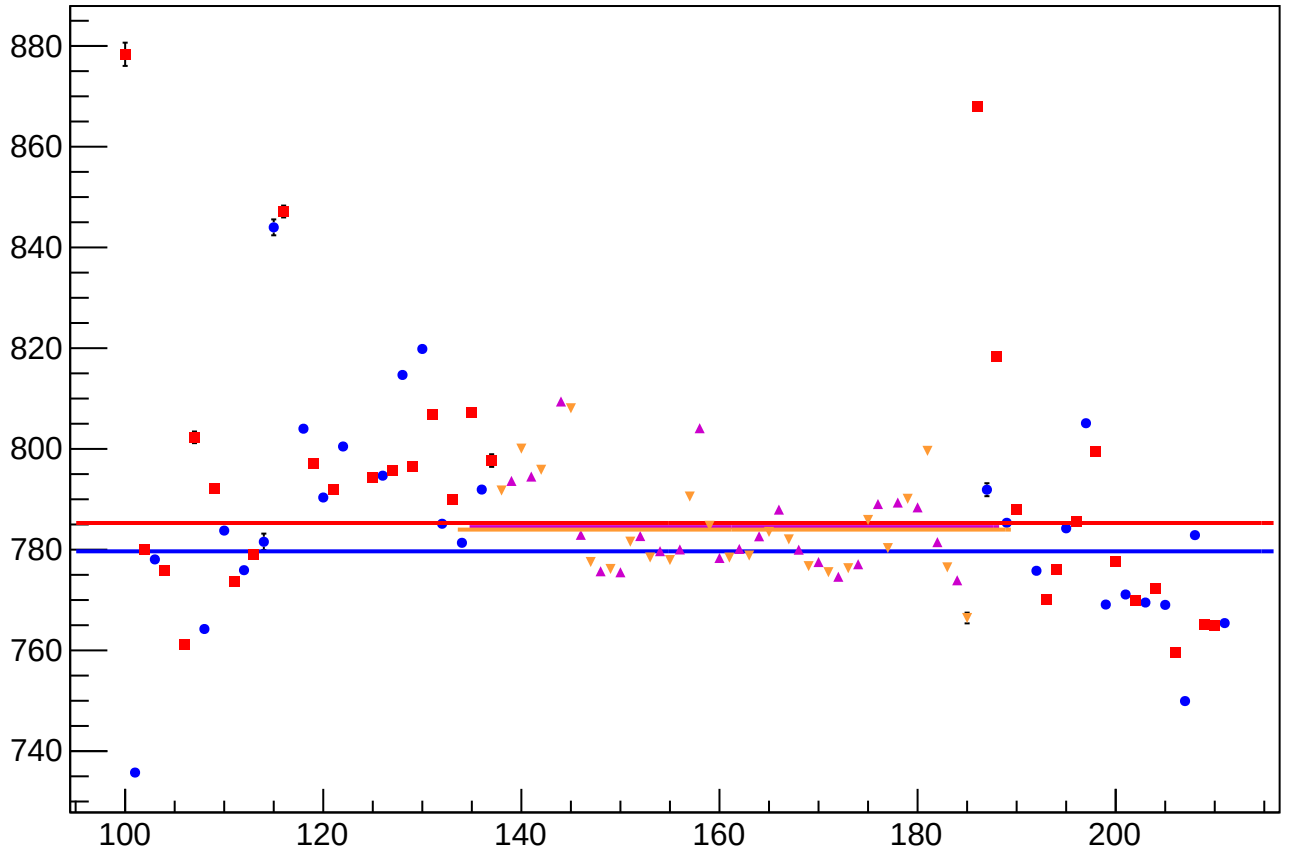
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2233.548+/-133.485 χ^2/NDF: 31.5/58

In: 2212.137+/-132.265 χ^2/NDF:43.2/50

Out: 2001.877+/-130.234 χ^2/NDF:33.8/54

All: 2105.380+/-92.799 χ^2/NDF: 78.3/105



Right In: 779.669+/-0.135 χ^2/NDF: 20054.4/27

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

Right Out: 785.294+/-0.132 χ^2/NDF: 26097.5/30

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

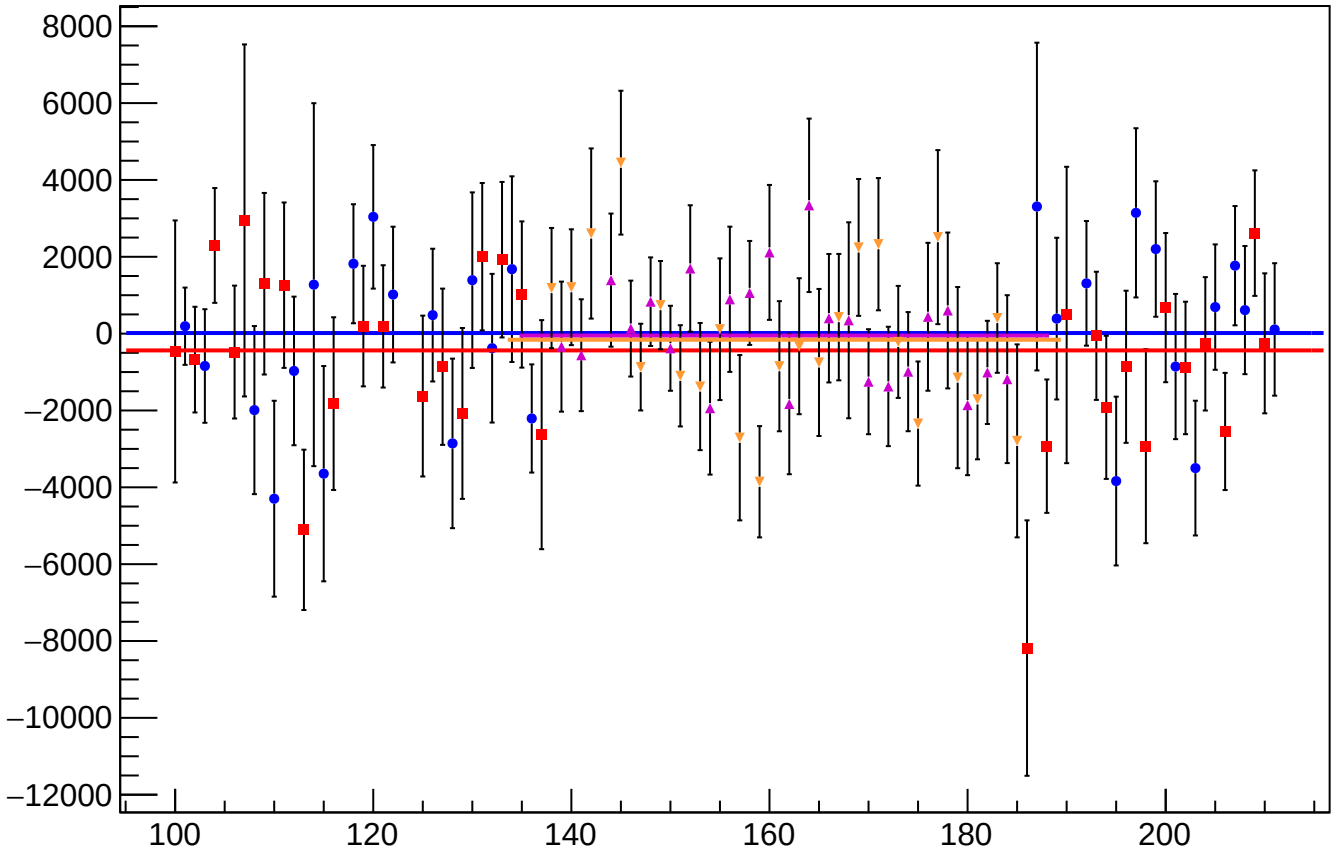
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 782.552+/-0.094 χ^2/NDF: 47039.3/58

In: 782.173+/-0.094 χ^2/NDF:25640.5/50

Out: 784.622+/-0.092 χ^2/NDF:31076.3/54

All: 783.417+/-0.066 χ^2/NDF: 57064.7/105



Right In: 15.571+/-344.280 χ^2/NDF: 29.3/27

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

Right Out: -436.730+/-348.492 χ^2/NDF: 30.9/30

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

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

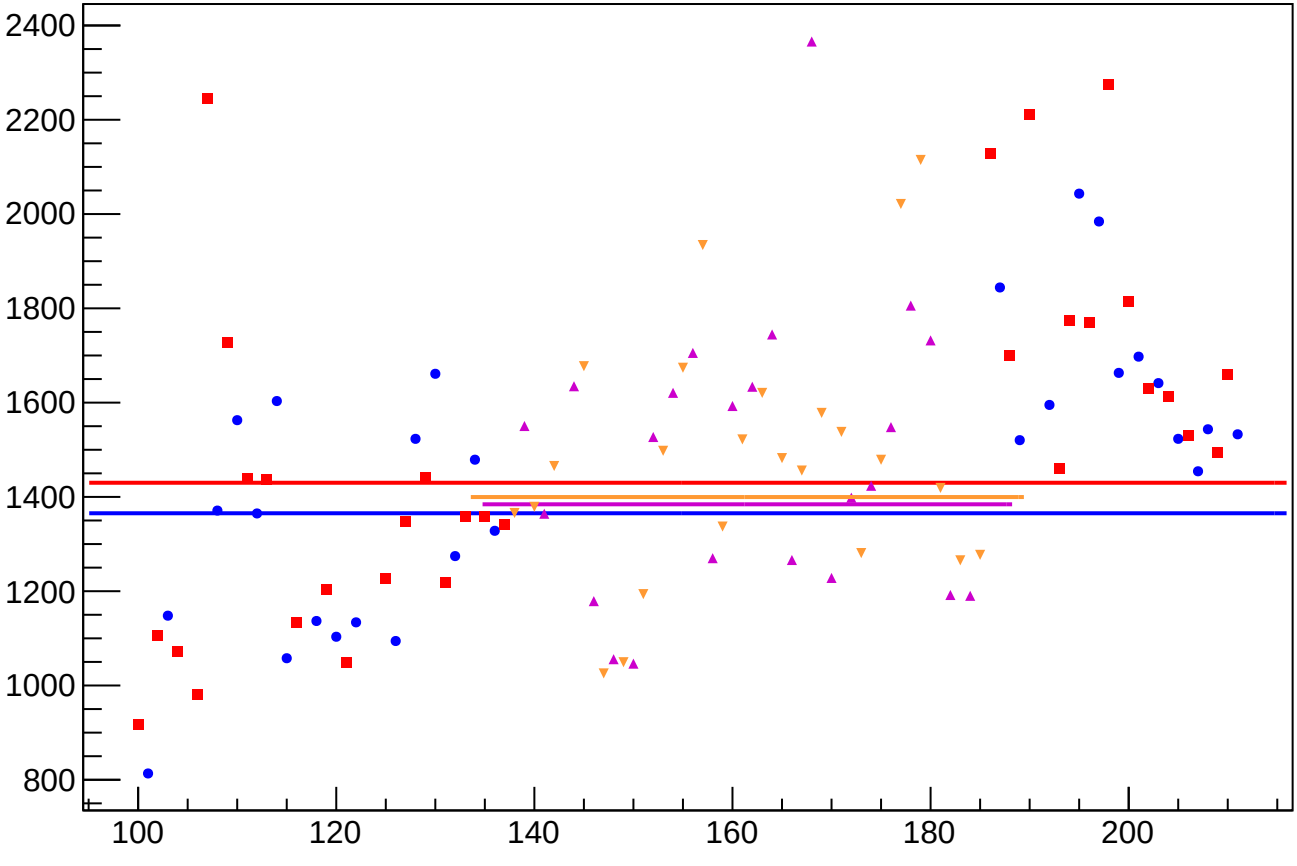
Right: -207.830+/-244.919 χ^2/NDF: 61.0/58

In: -19.611+/-238.311 χ^2/NDF:42.7/50

Out: -291.363+/-240.451 χ^2/NDF:60.3/54

All: -154.273+/-169.263 χ^2/NDF: 103.7/105

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1365.336+/-0.243 χ^2/NDF: 1567663.7/27

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

Right Out: 1430.043+/-0.246 χ^2/NDF: 1487215.4/30

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

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

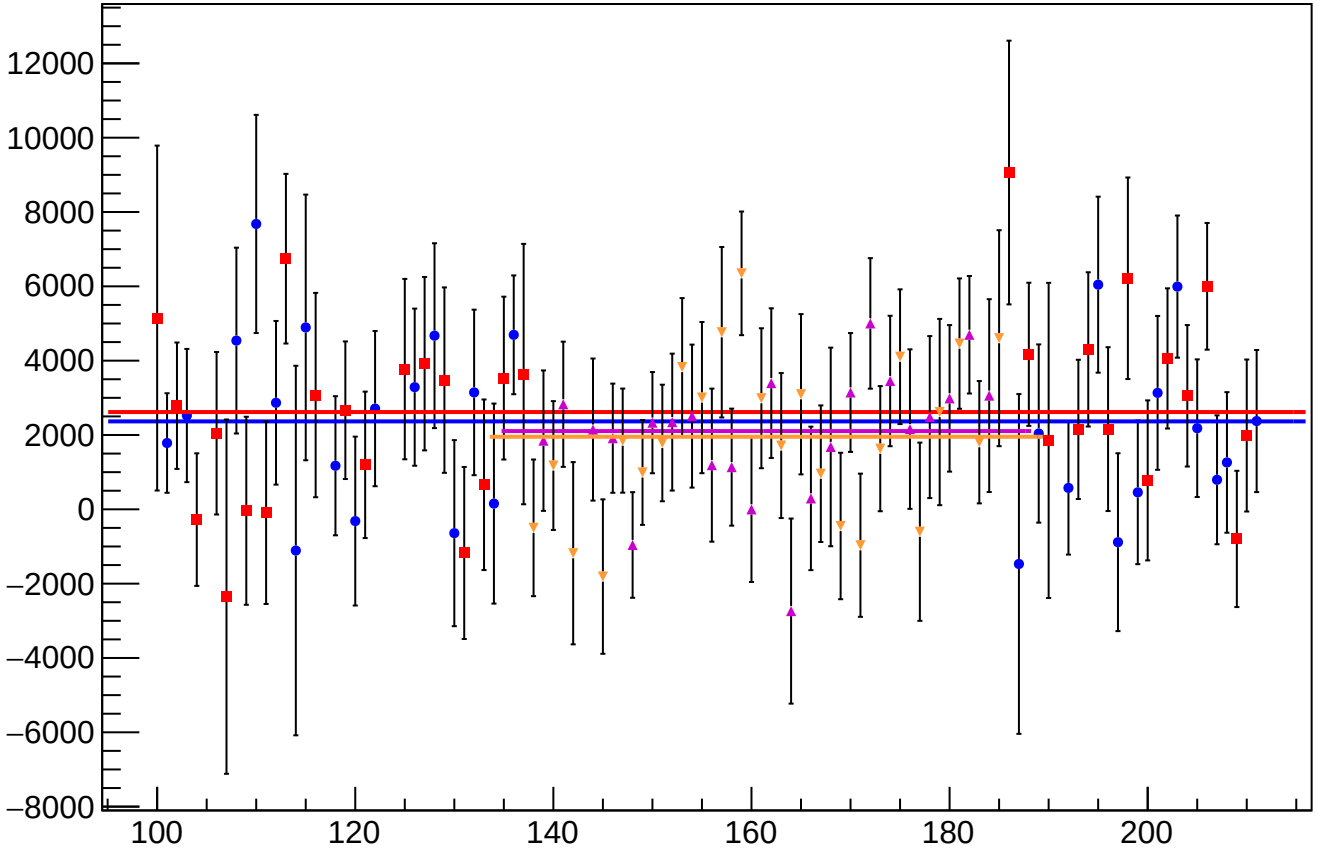
Right: 1397.296+/-0.173 χ^2/NDF: 3089774.4/58

In: 1375.232+/-0.169 χ^2/NDF:2840773.6/50

Out: 1414.156+/-0.170 χ^2/NDF:2631500.5/54

All: 1394.520+/-0.120 χ^2/NDF: 5498712.1/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2366.088+/-398.683 χ^2/NDF: 24.4/27

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

Right Out: 2617.460+/-399.880 χ^2/NDF: 29.9/30

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

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

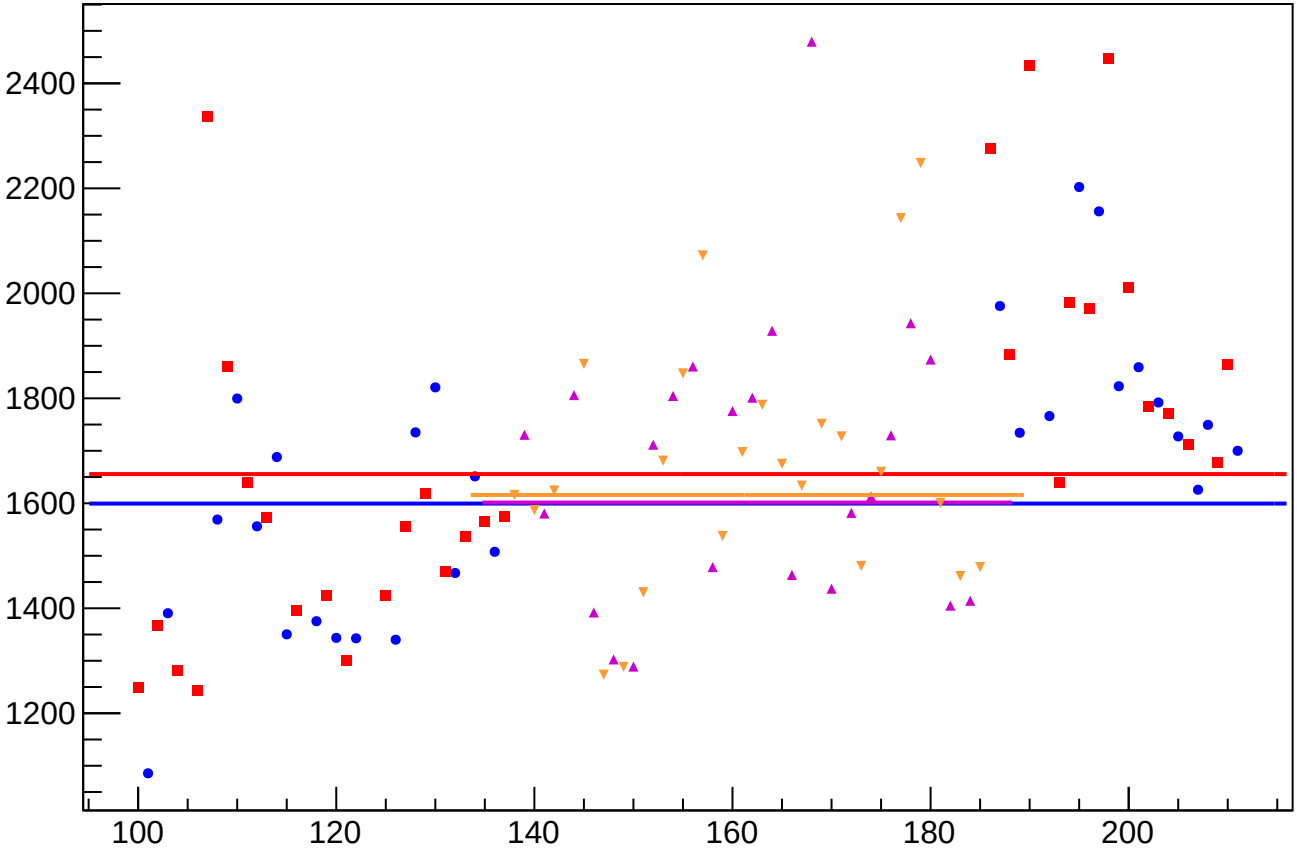
Right: 2491.397+/-282.334 χ^2/NDF: 54.5/58

In: 2229.175+/-274.708 χ^2/NDF:43.2/50

Out: 2268.226+/-275.563 χ^2/NDF:58.8/54

All: 2248.640+/-194.549 χ^2/NDF: 101.9/105

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1599.467+/-0.282 χ^2/NDF: 874369.5/27

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

Right Out: 1655.645+/-0.283 χ^2/NDF: 958086.2/30

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

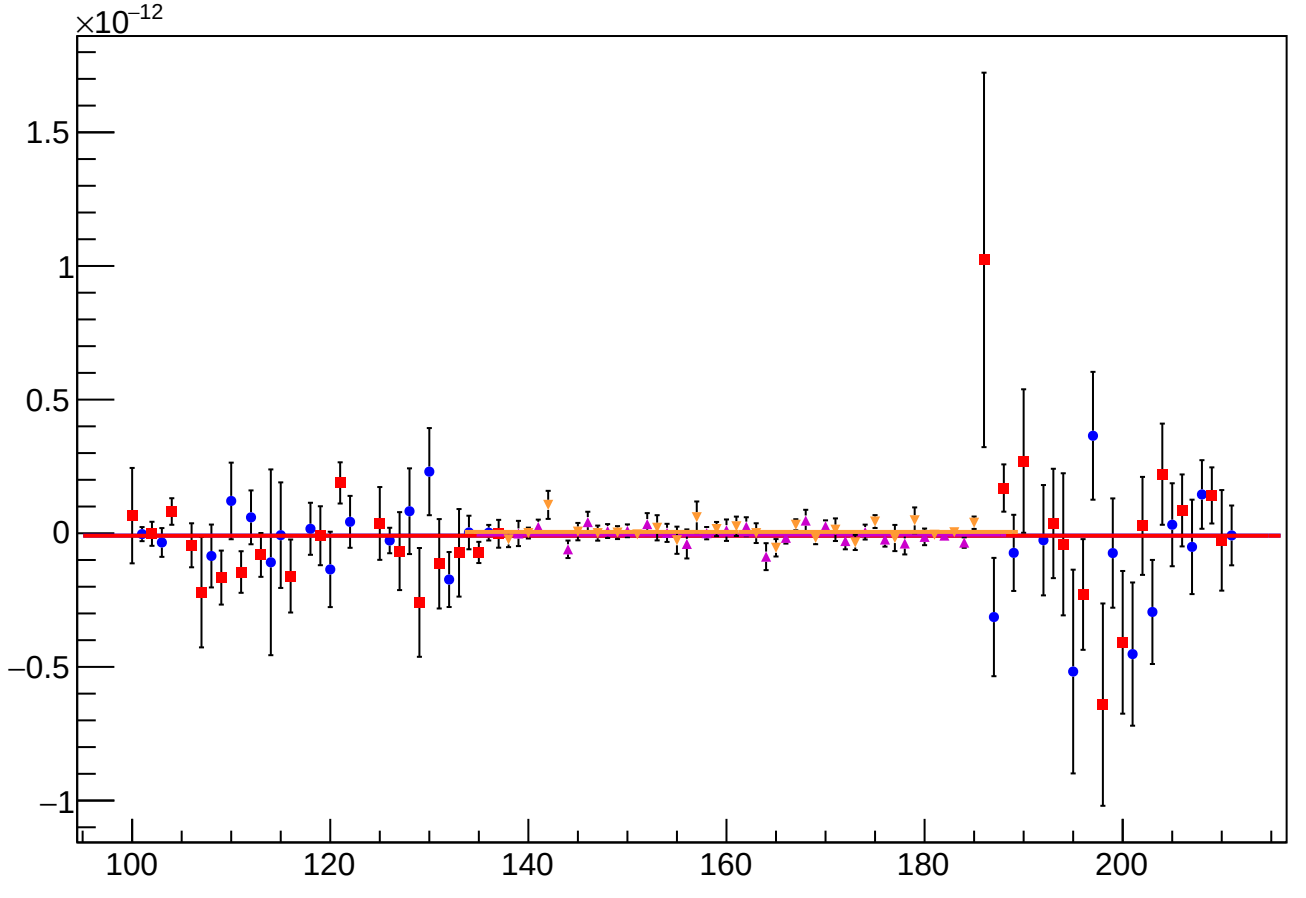
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1627.472+/-0.200 χ^2/NDF: 1852251.5/58

In: 1600.533+/-0.194 χ^2/NDF:1668119.2/50

Out: 1634.750+/-0.195 χ^2/NDF:1662839.2/54

All: 1617.588+/-0.138 χ^2/NDF: 3346424.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/27

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

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/30

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

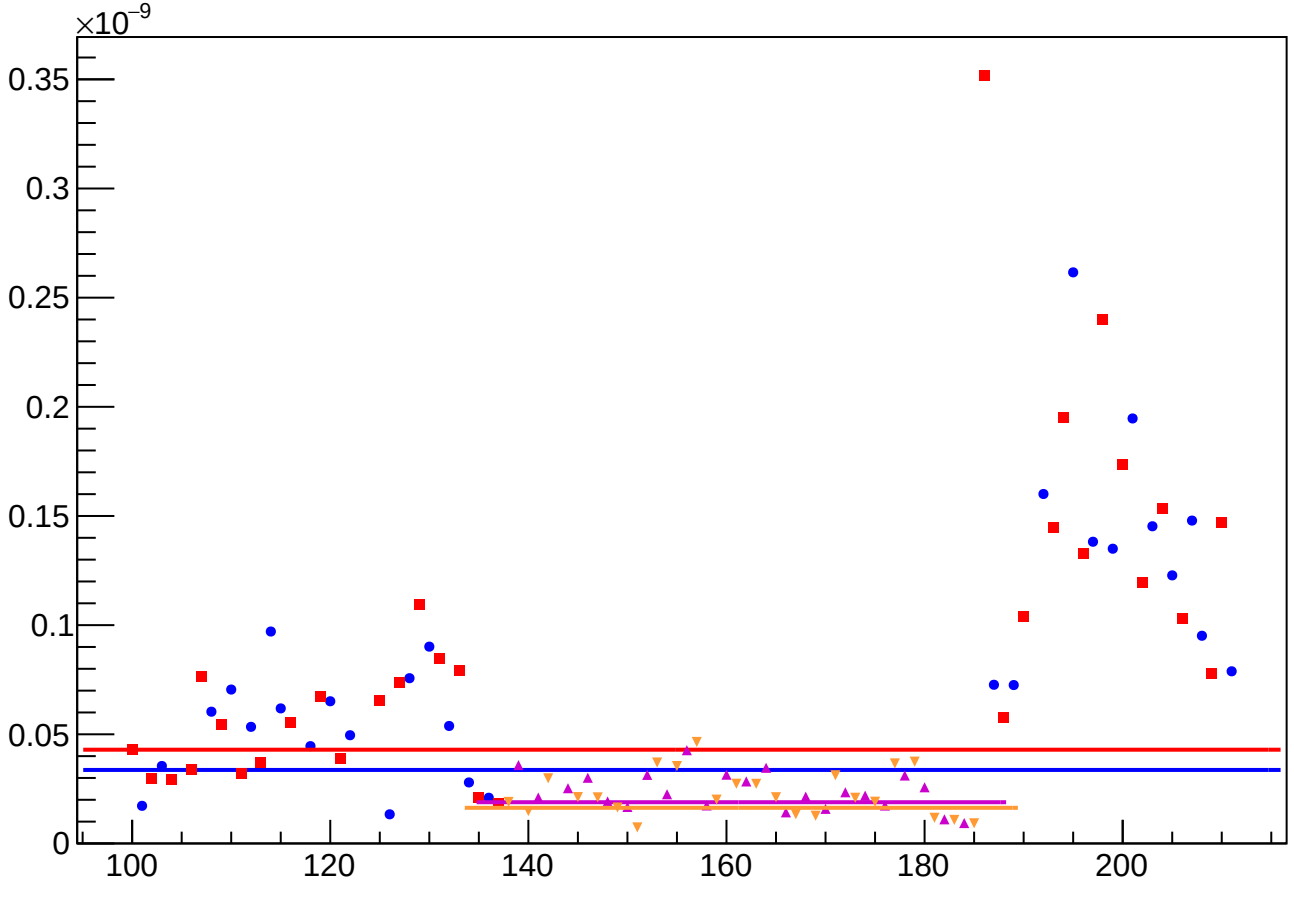
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 62.7/58

In: -0.000+/-0.000 χ^2/NDF:40.9/50

Out: 0.000+/-0.000 χ^2/NDF:62.9/54

All: -0.000+/-0.000 χ^2/NDF: 105.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 8802668.9/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7586707.6/30

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

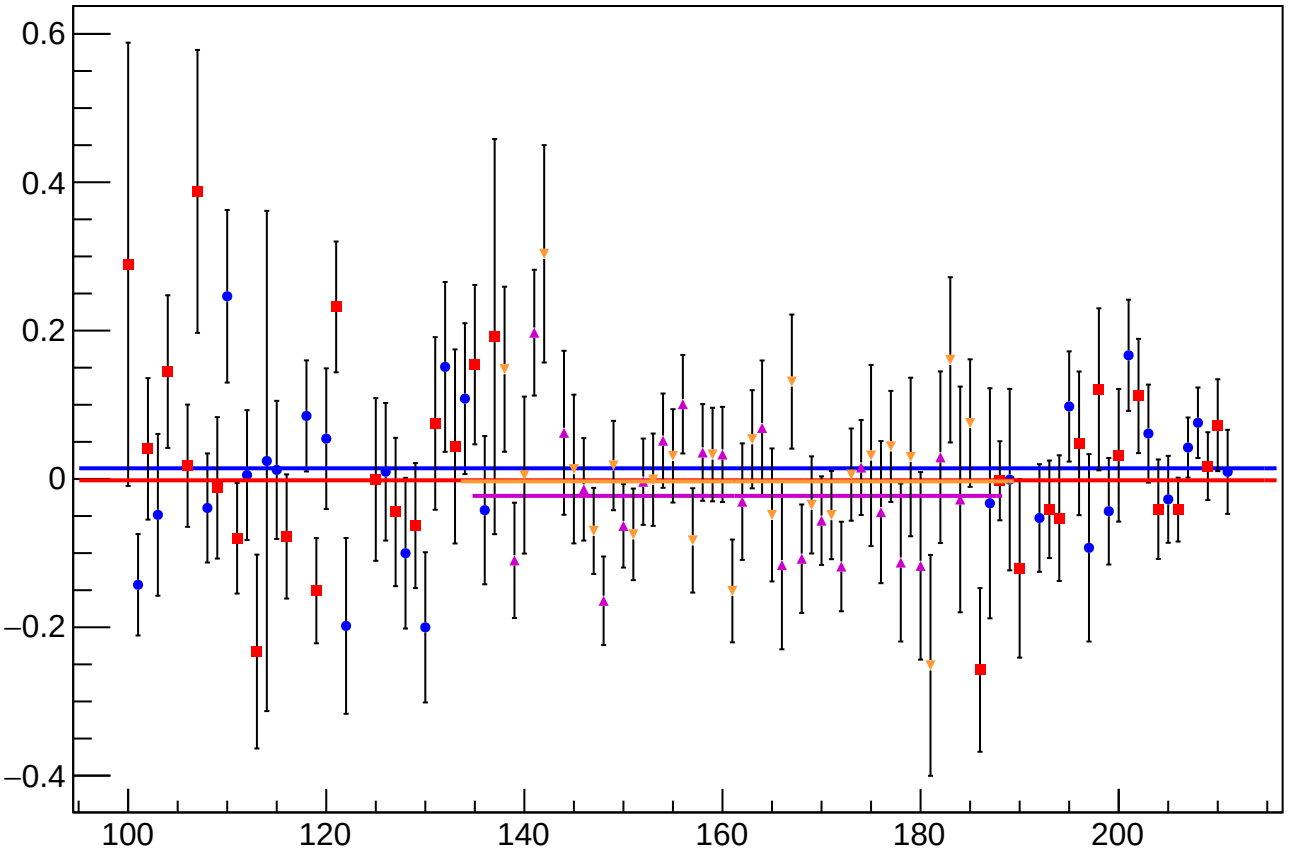
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 16734085.6/58

In: 0.000+/-0.000 χ^2/NDF:13846846.8/50

Out: 0.000+/-0.000 χ^2/NDF:16338020.5/54

All: 0.000+/-0.000 χ^2/NDF: 30363446.6/105



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

Right Out: -0.002+/-0.015 χ^2/NDF: 41.5/30

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

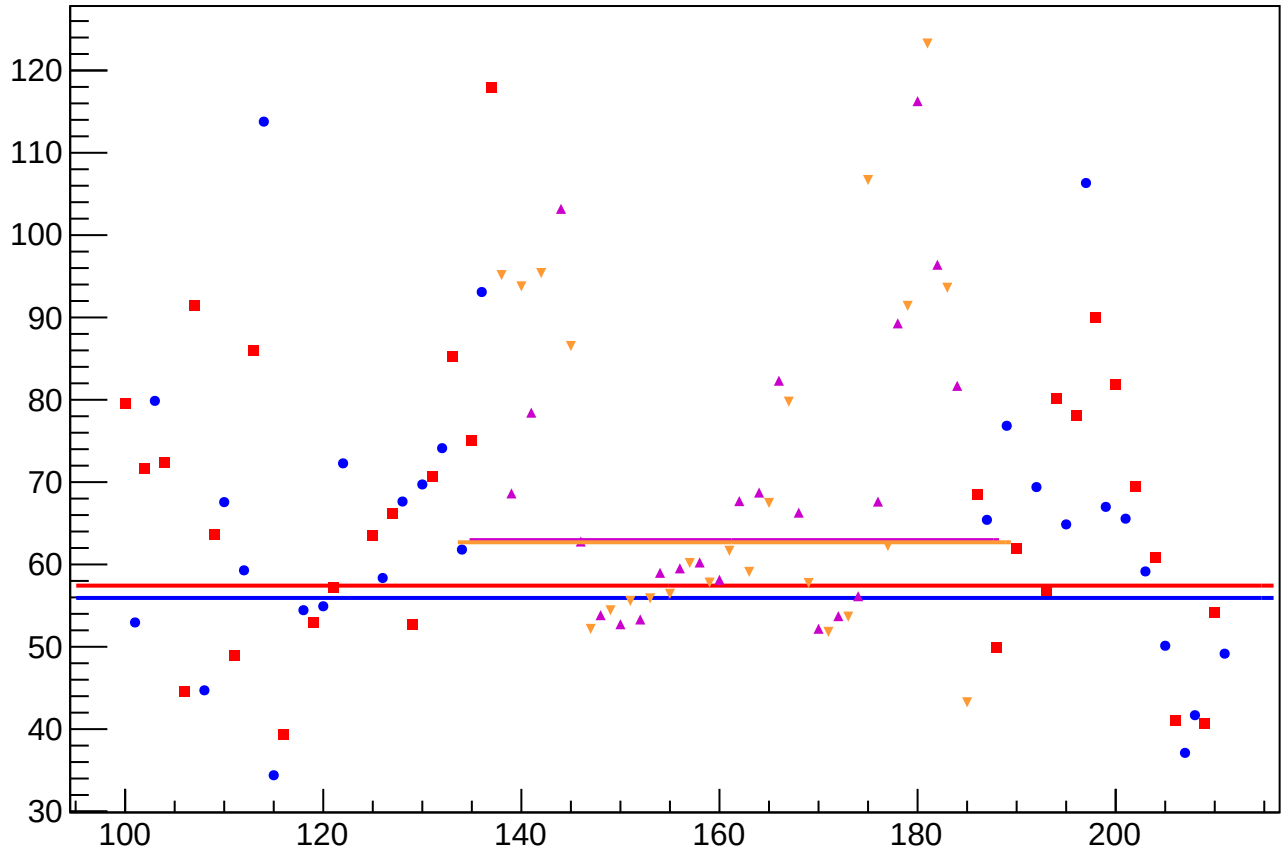
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.010 χ^2/NDF: 75.7/58

In: -0.003+/-0.011 χ^2/NDF:65.6/50

Out: -0.003+/-0.011 χ^2/NDF:67.4/54

All: -0.003+/-0.008 χ^2/NDF: 133.0/105



Right In: 55.932+/-0.010 χ^2/NDF: 1999914.5/27

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

Right Out: 57.428+/-0.010 χ^2/NDF: 1986872.5/30

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

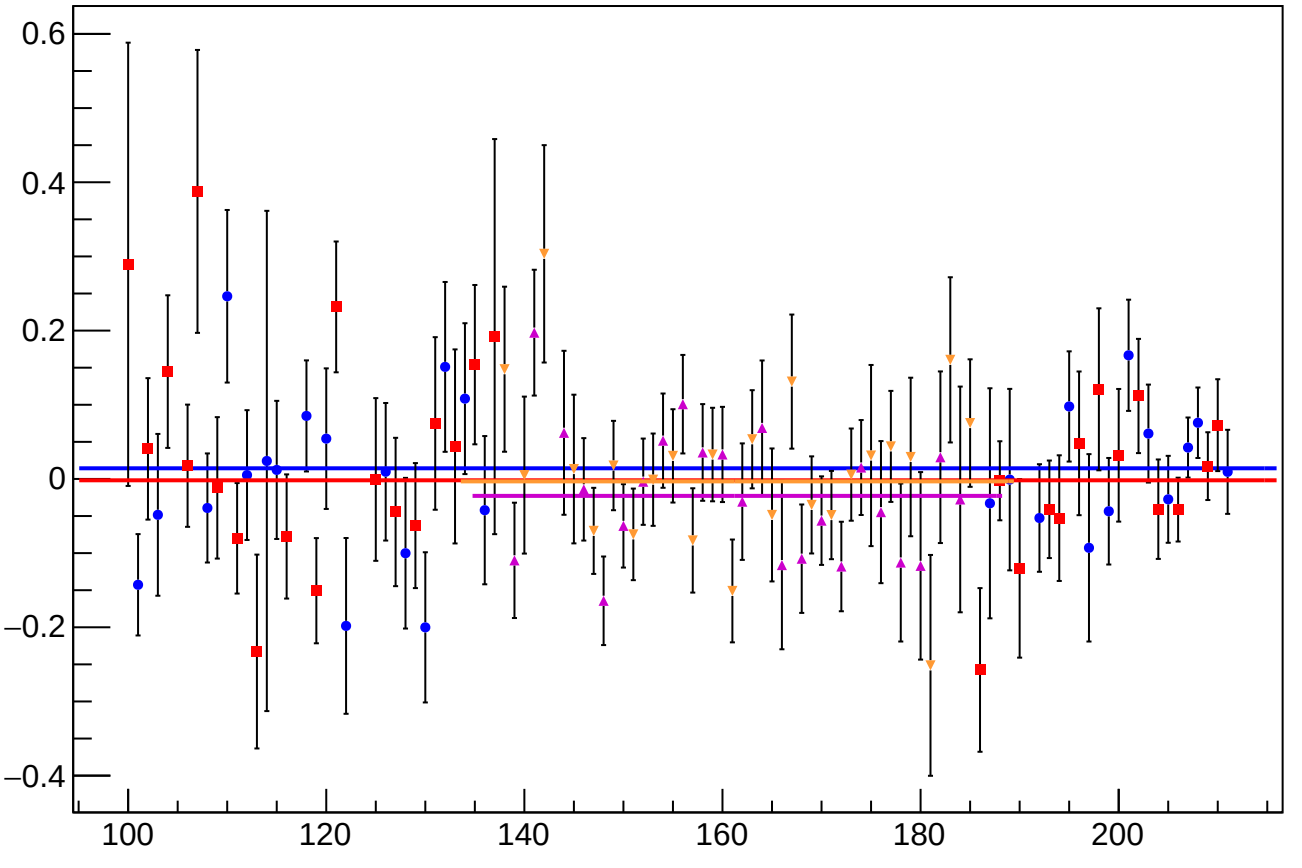
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 56.686+/-0.007 χ^2/NDF: 3997063.1/58

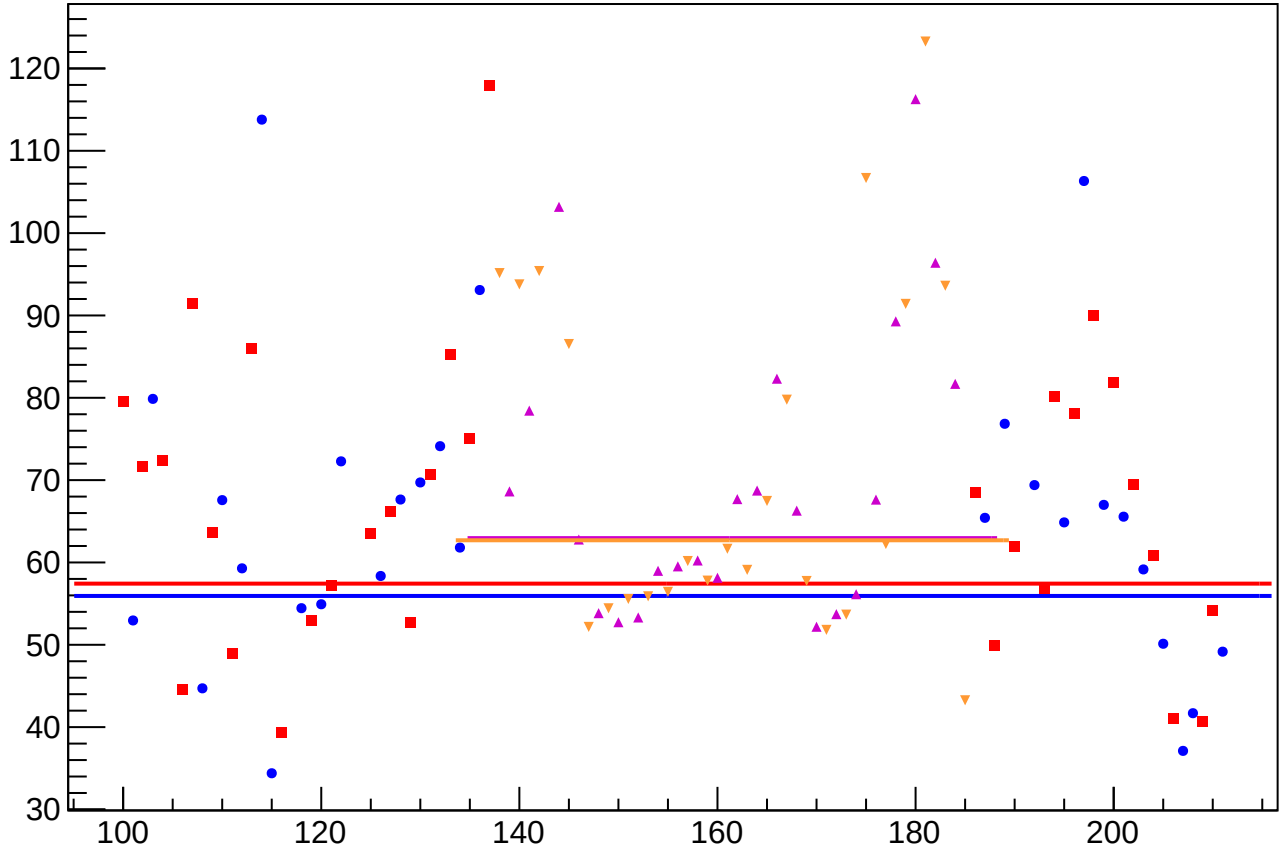
In: 59.287+/-0.008 χ^2/NDF:3644993.6/50

Out: 59.924+/-0.008 χ^2/NDF:4047856.7/54

All: 59.607+/-0.005 χ^2/NDF: 7696397.5/105


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.014+/-0.015 χ²/NDF: 33.7/27
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.002+/-0.015 χ²/NDF: 41.5/30
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.006+/-0.010 χ²/NDF: 75.7/58
In: -0.003+/-0.011 χ²/NDF:65.6/50
Out: -0.003+/-0.011 χ²/NDF:67.4/54
All: -0.003+/-0.008 χ²/NDF: 133.0/105

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.932+/-0.010 χ^2/NDF: 1999914.5/27

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

Right Out: 57.428+/-0.010 χ^2/NDF: 1986872.5/30

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

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

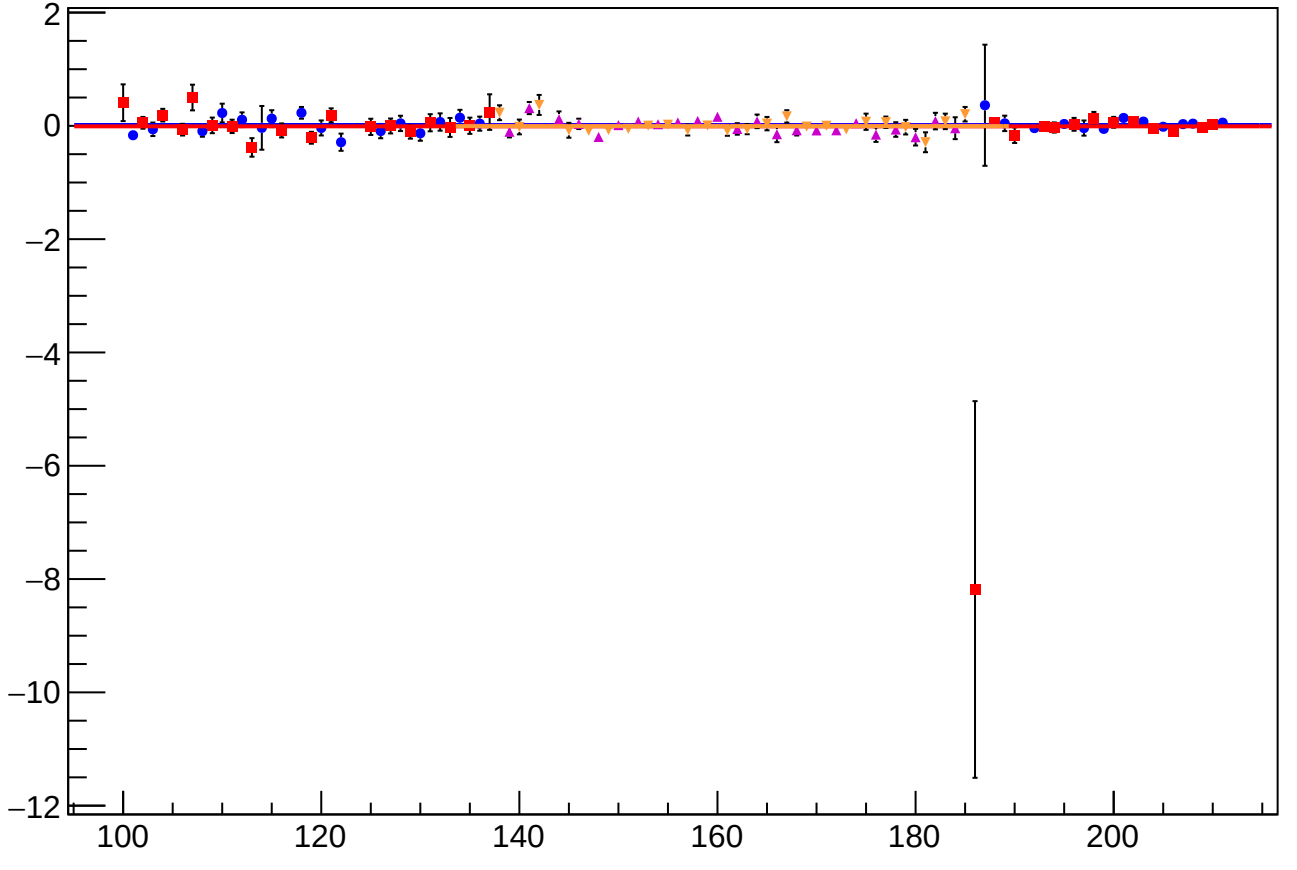
Right: 56.686+/-0.007 χ^2/NDF: 3997063.1/58

In: 59.287+/-0.008 χ^2/NDF:3644993.6/50

Out: 59.924+/-0.008 χ^2/NDF:4047856.7/54

All: 59.607+/-0.005 χ^2/NDF: 7696397.5/105

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.018 χ^2/NDF: 26.1/27

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

Right Out: -0.008+/-0.019 χ^2/NDF: 38.5/30

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

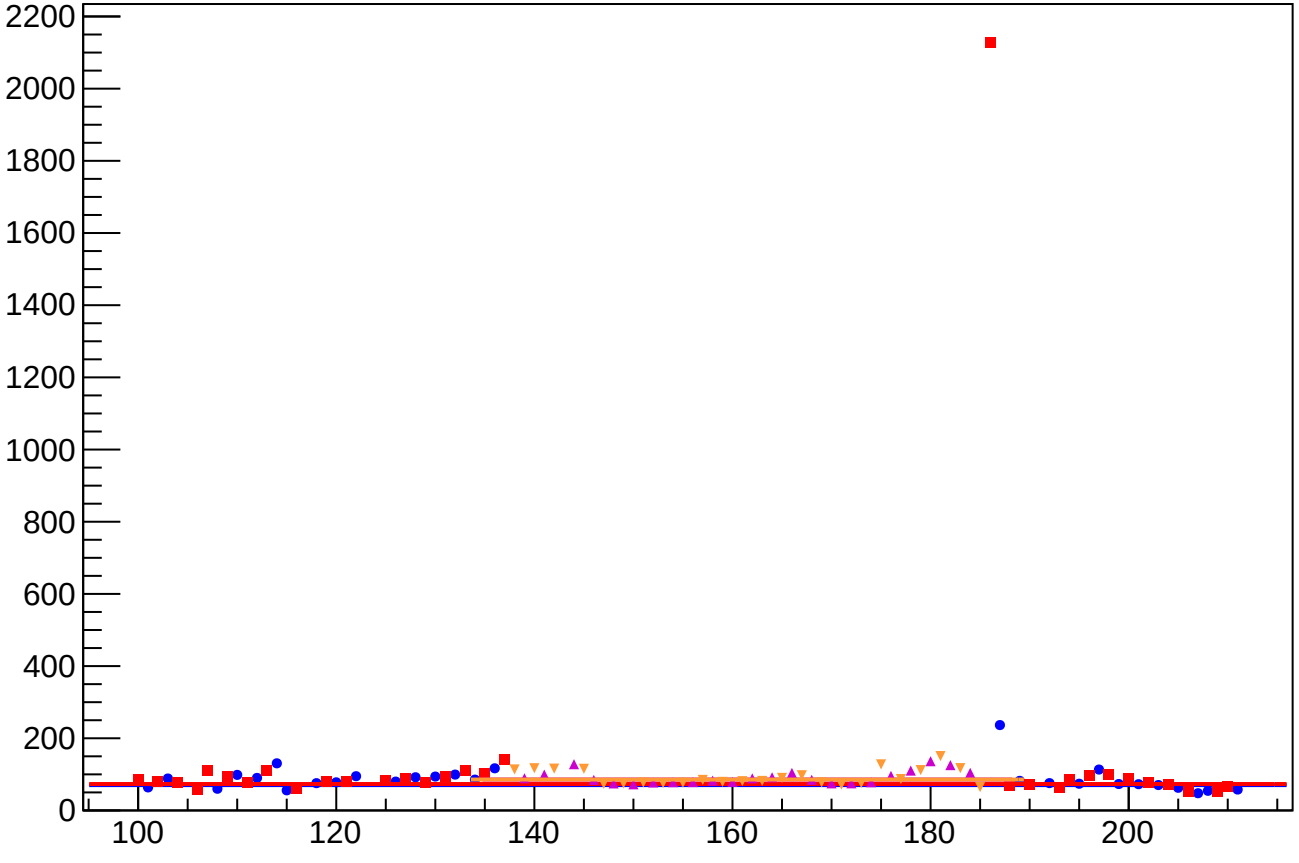
Right: 0.003+/-0.013 χ^2/NDF: 65.4/58

In: 0.009+/-0.014 χ^2/NDF:56.9/50

Out: -0.007+/-0.014 χ^2/NDF:59.8/54

All: 0.001+/-0.010 χ^2/NDF: 117.4/105

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.272+/-0.013 χ^2/NDF: 1714635.6/27

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

Right Out: 73.247+/-0.013 χ^2/NDF: 2238907.6/30

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

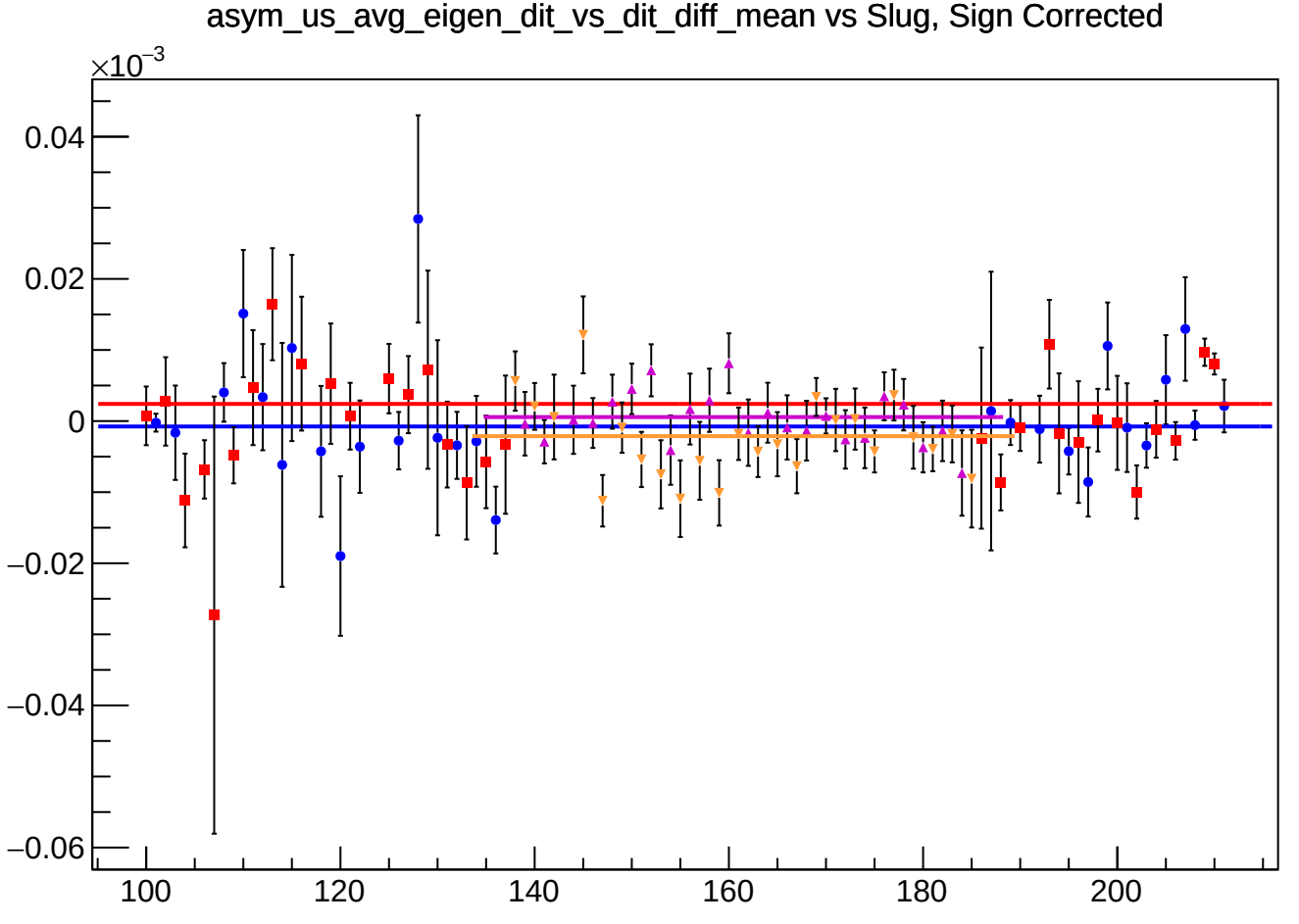
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 71.746+/-0.009 χ^2/NDF: 3979479.2/58

In: 77.076+/-0.010 χ^2/NDF:3330438.7/50

Out: 78.779+/-0.010 χ^2/NDF:3990136.1/54

All: 77.923+/-0.007 χ^2/NDF: 7335864.7/105



Right In: -0.000+/-0.000 χ^2/NDF: 34.5/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 79.4/30

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

Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

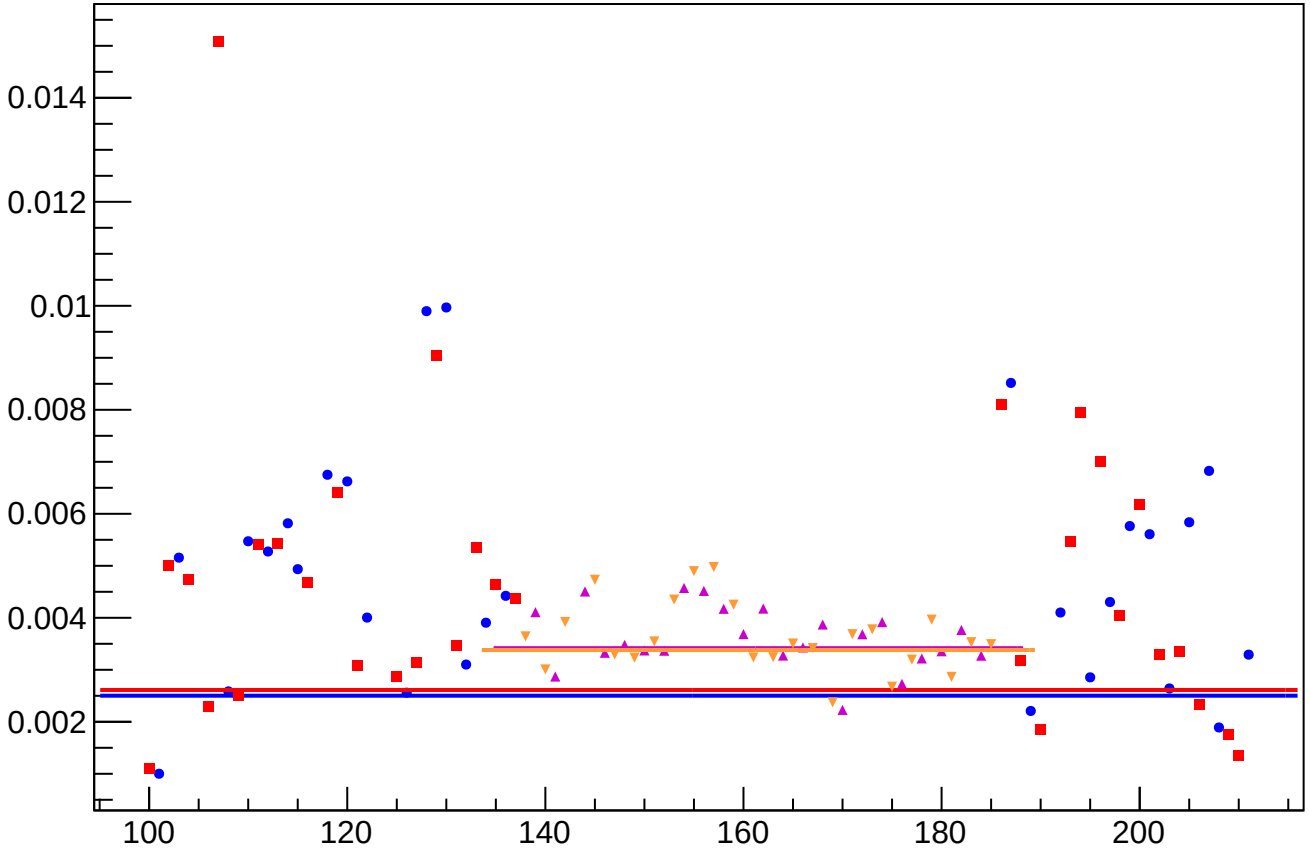
Right: 0.000+/-0.000 χ^2/NDF: 122.9/58

In: -0.000+/-0.000 χ^2/NDF:52.5/50

Out: 0.000+/-0.000 χ^2/NDF:133.9/54

All: 0.000+/-0.000 χ^2/NDF: 186.8/105

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9528056.5/27

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

Right Out: 0.003+/-0.000 χ^2/NDF: 8178552.6/30

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

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

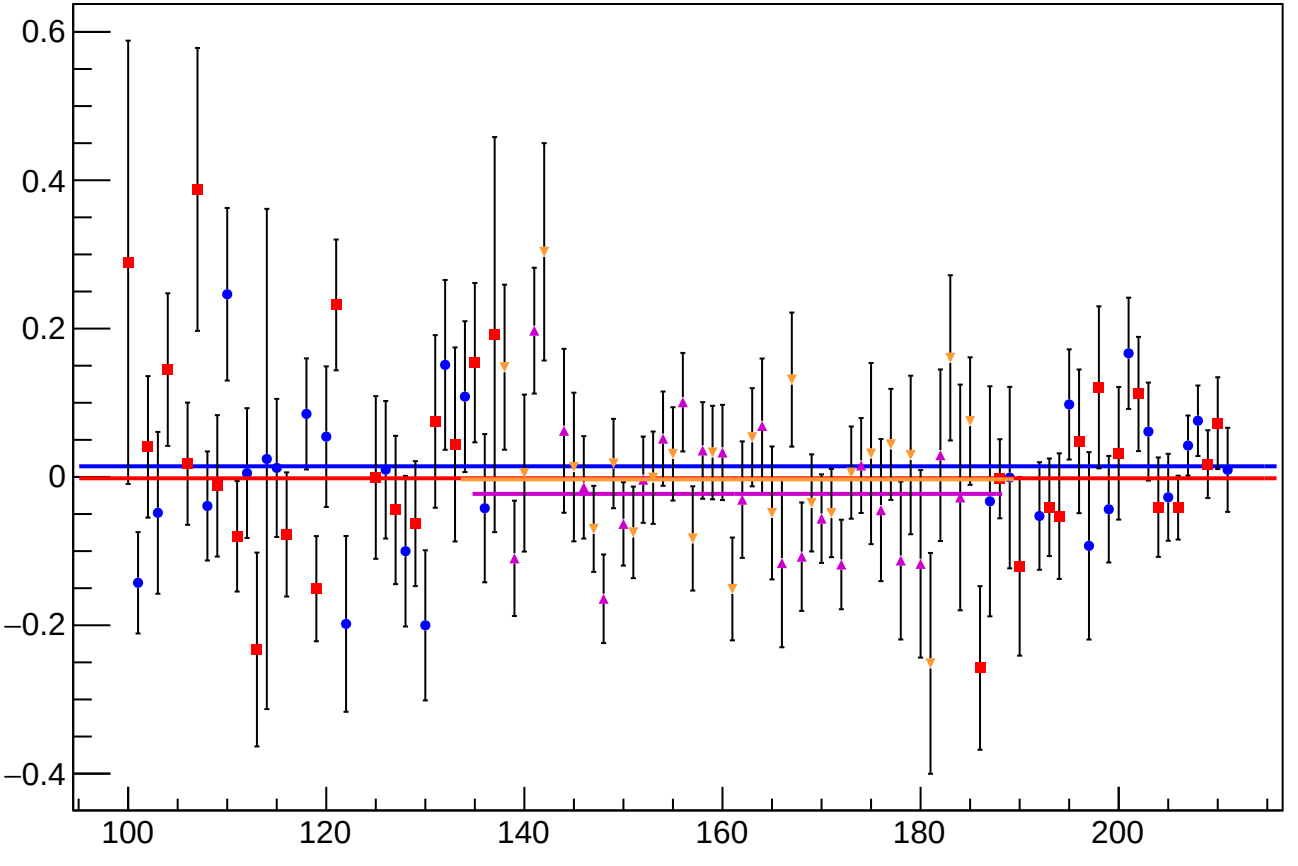
Right: 0.003+/-0.000 χ^2/NDF: 17727973.6/58

In: 0.003+/-0.000 χ^2/NDF:12059504.9/50

Out: 0.003+/-0.000 χ^2/NDF:10353892.9/54

All: 0.003+/-0.000 χ^2/NDF: 22420350.2/105

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

Right Out: -0.002+/-0.015 χ^2/NDF: 41.5/30

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

Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

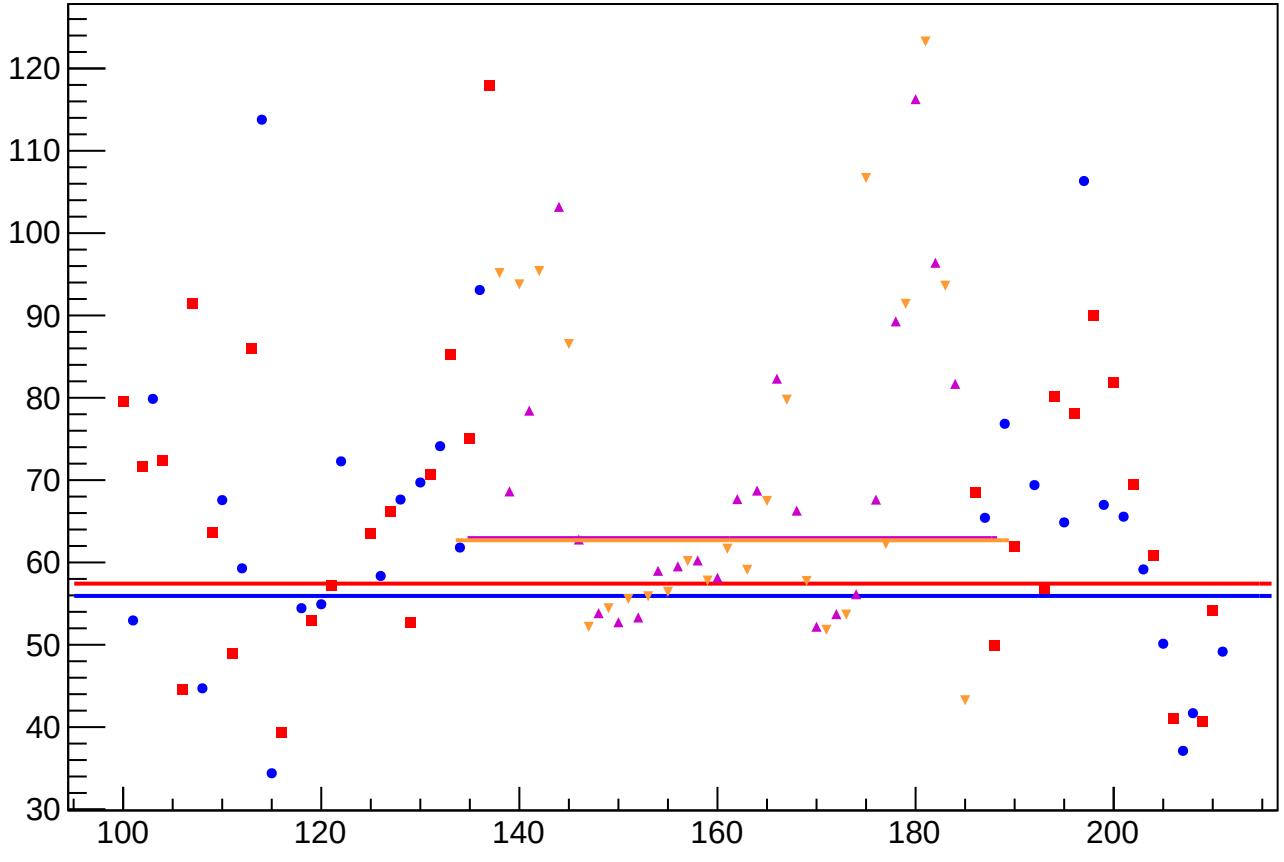
Right: 0.006+/-0.010 χ^2/NDF: 75.8/58

In: -0.003+/-0.011 χ^2/NDF:65.6/50

Out: -0.003+/-0.011 χ^2/NDF:67.4/54

All: -0.003+/-0.008 χ^2/NDF: 133.0/105

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.933+/-0.010 χ^2/NDF: 1999761.5/27

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

Right Out: 57.428+/-0.010 χ^2/NDF: 1986698.1/30

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

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

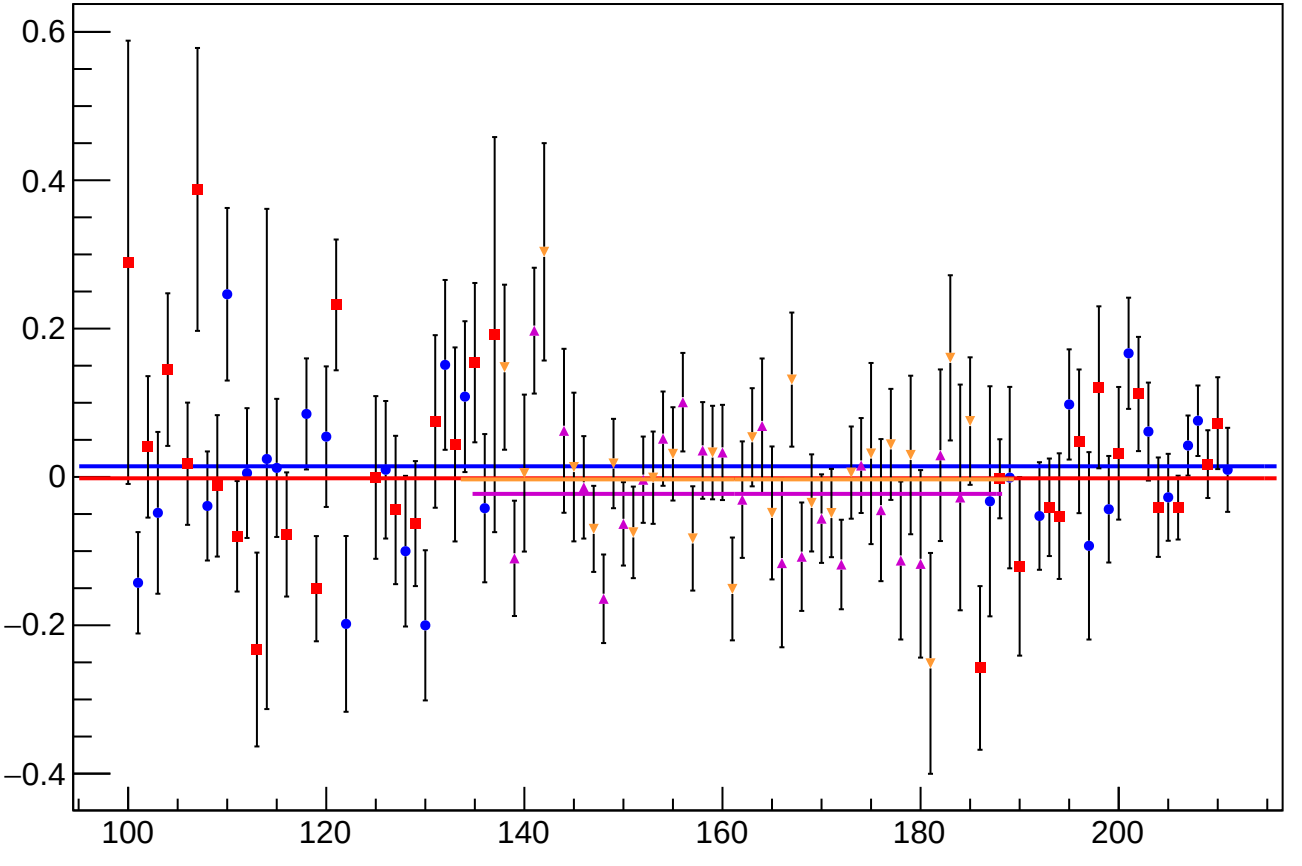
Right: 56.686+/-0.007 χ^2/NDF: 3996728.0/58

In: 59.288+/-0.008 χ^2/NDF:3644818.0/50

Out: 59.924+/-0.008 χ^2/NDF:4047697.8/54

All: 59.607+/-0.005 χ^2/NDF: 7696060.0/105

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.015 χ^2/NDF: 33.7/27

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

Right Out: -0.002+/-0.015 χ^2/NDF: 41.5/30

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

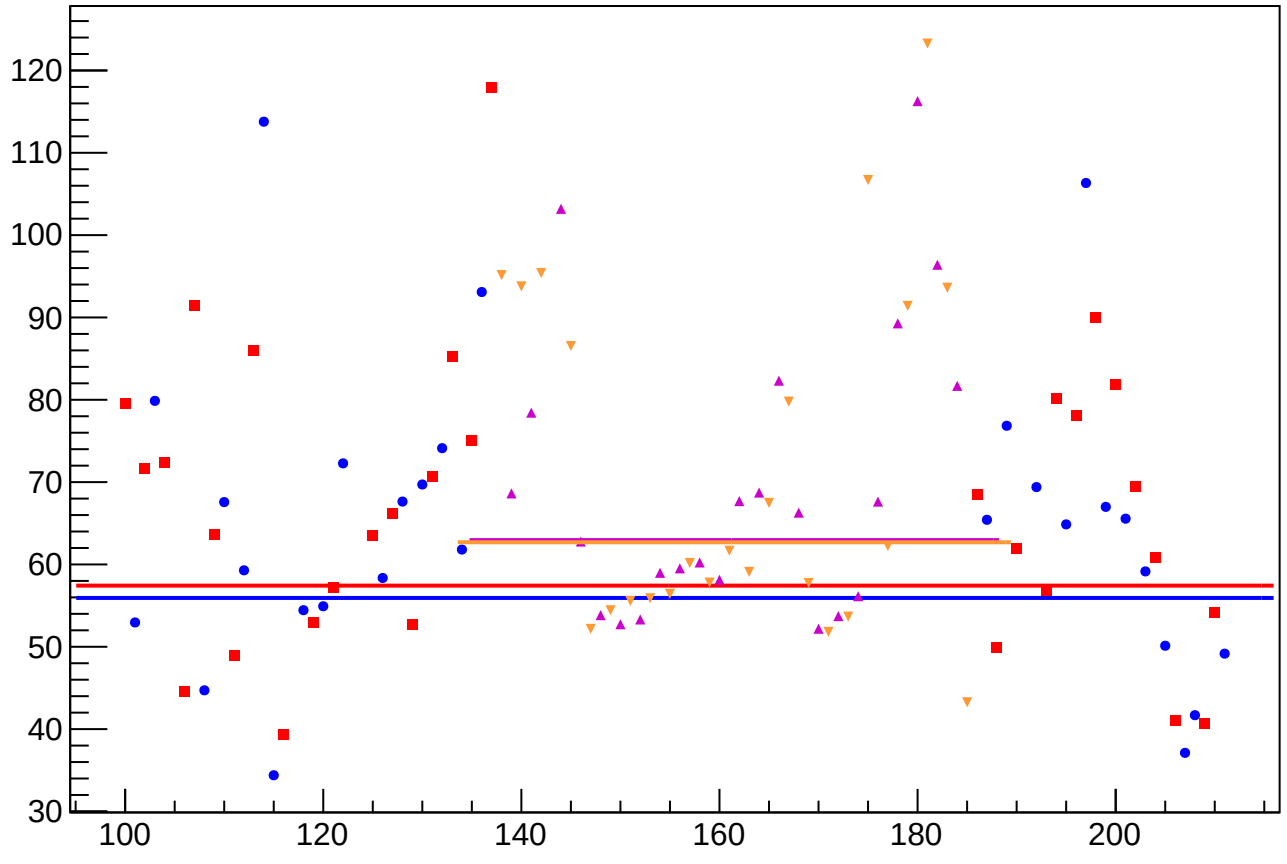
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.006+/-0.010 χ^2/NDF: 75.8/58

In: -0.003+/-0.011 χ^2/NDF:65.6/50

Out: -0.003+/-0.011 χ^2/NDF:67.4/54

All: -0.003+/-0.008 χ^2/NDF: 133.0/105



Right In: 55.933+/-0.010 χ^2/NDF: 1999761.5/27

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

Right Out: 57.428+/-0.010 χ^2/NDF: 1986698.1/30

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

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

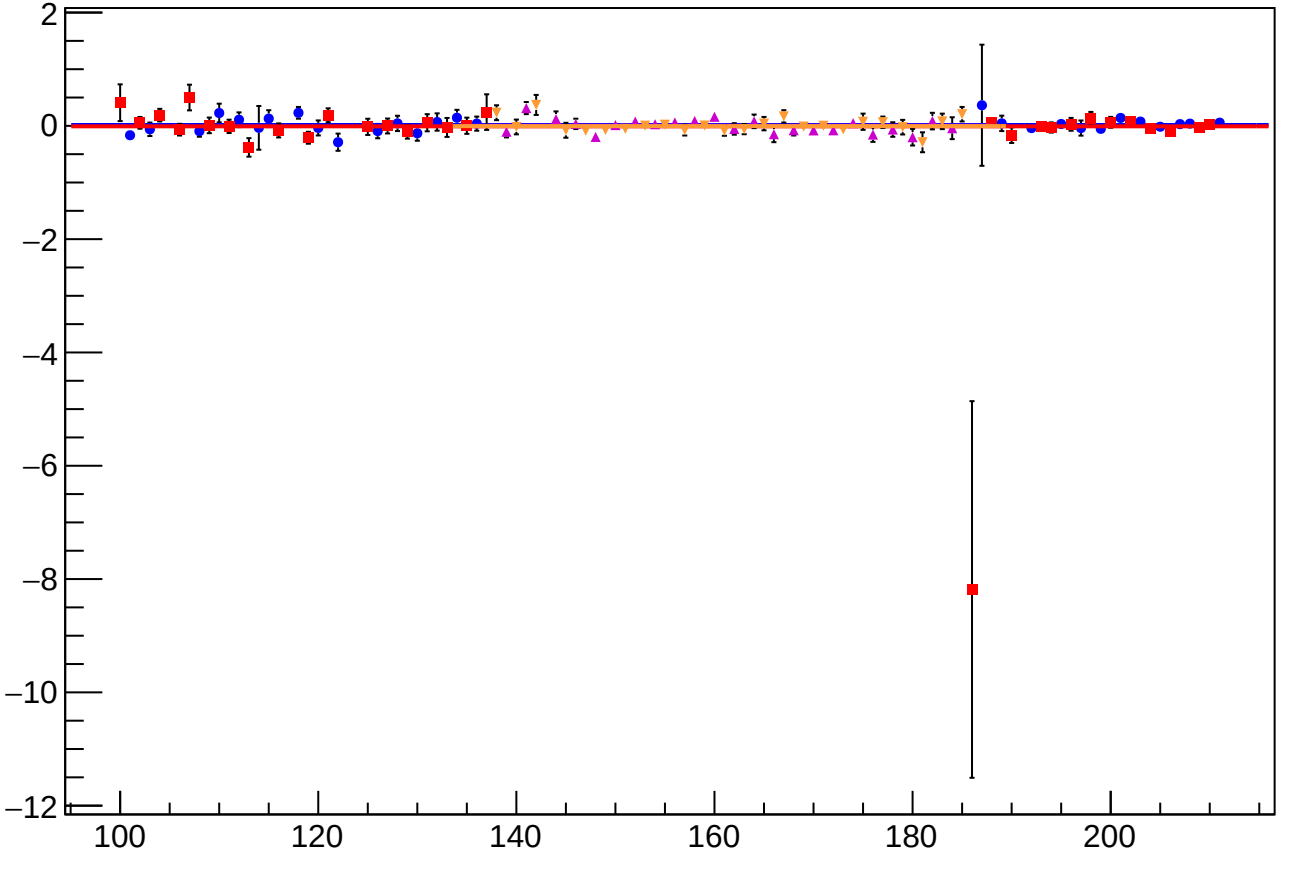
Right: 56.686+/-0.007 χ^2/NDF: 3996728.0/58

In: 59.288+/-0.008 χ^2/NDF:3644818.0/50

Out: 59.924+/-0.008 χ^2/NDF:4047697.8/54

All: 59.607+/-0.005 χ^2/NDF: 7696060.0/105

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.018 χ^2/NDF: 26.1/27

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

Right Out: -0.008+/-0.019 χ^2/NDF: 38.5/30

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

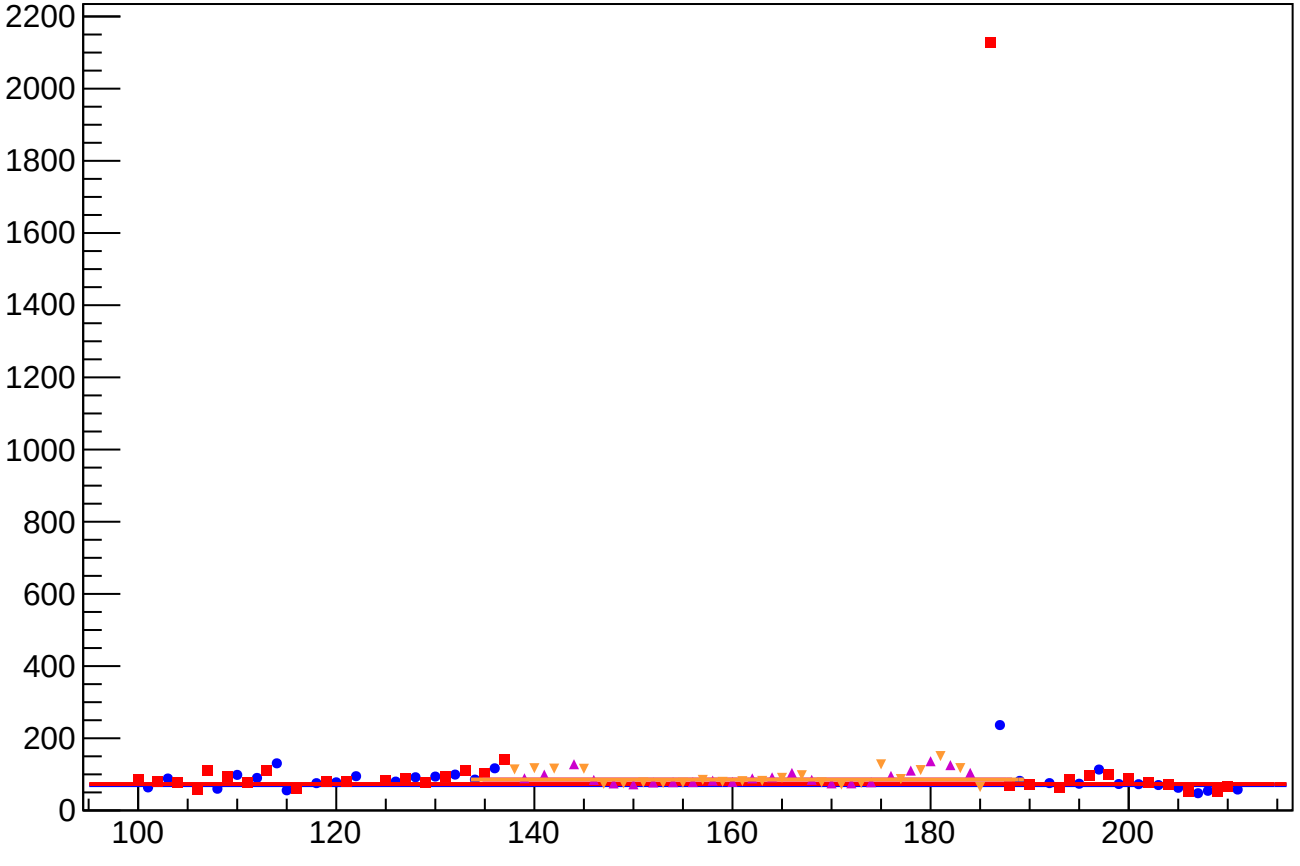
Right: 0.003+/-0.013 χ^2/NDF: 65.4/58

In: 0.009+/-0.014 χ^2/NDF:56.9/50

Out: -0.007+/-0.014 χ^2/NDF:59.8/54

All: 0.001+/-0.010 χ^2/NDF: 117.4/105

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.272+/-0.013 χ^2/NDF: 1714495.7/27

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

Right Out: 73.247+/-0.013 χ^2/NDF: 2238804.8/30

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

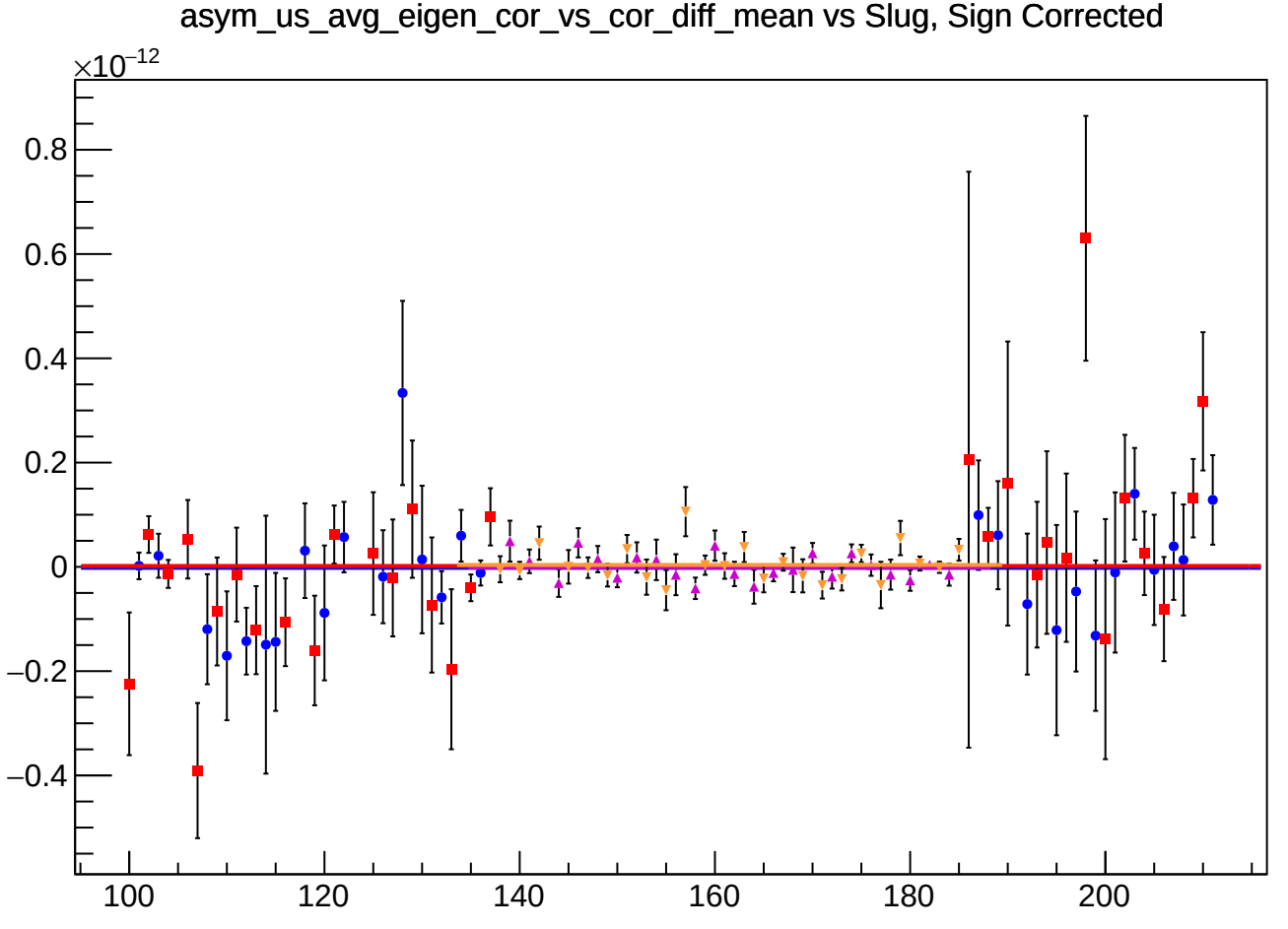
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 71.746+/-0.009 χ^2/NDF: 3979228.3/58

In: 77.076+/-0.010 χ^2/NDF:3330279.3/50

Out: 78.779+/-0.010 χ^2/NDF:3990052.9/54

All: 77.923+/-0.007 χ^2/NDF: 7335617.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 51.8/30

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

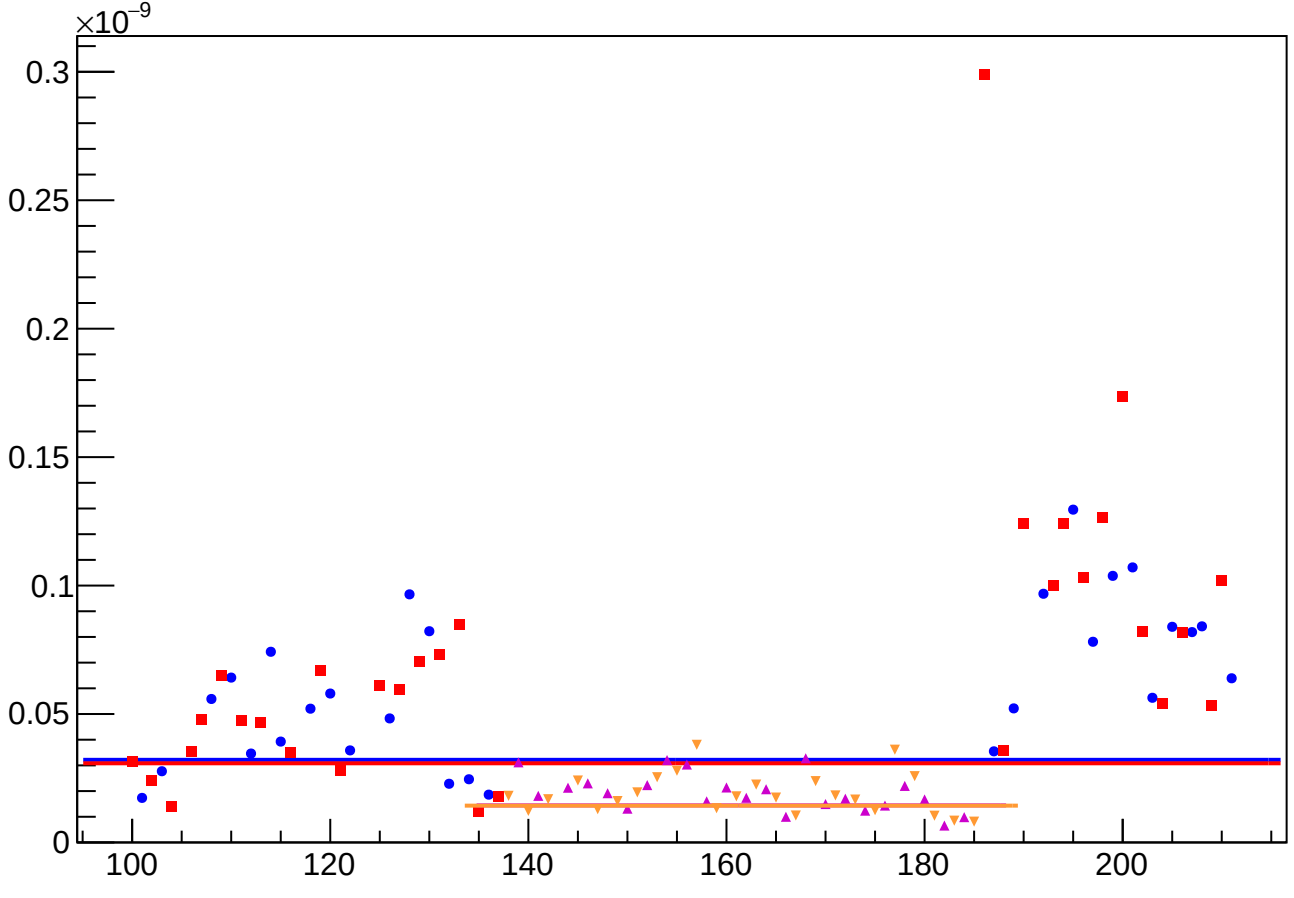
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 77.5/58

In: -0.000+/-0.000 χ^2/NDF:49.3/50

Out: 0.000+/-0.000 χ^2/NDF:76.8/54

All: 0.000+/-0.000 χ^2/NDF: 126.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 6505682.3/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8679845.3/30

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

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

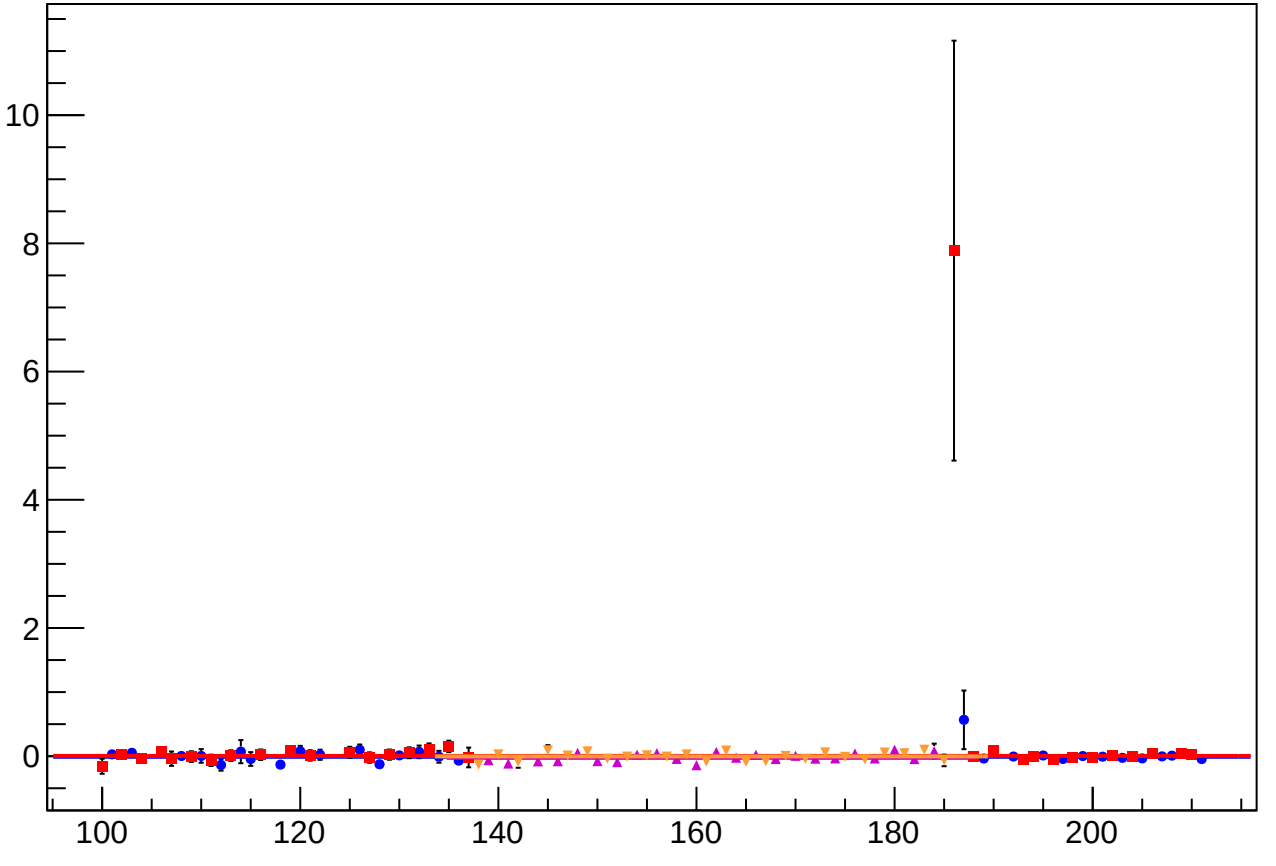
Right: 0.000+/-0.000 χ^2/NDF: 15197604.5/58

In: 0.000+/-0.000 χ^2/NDF:14456427.7/50

Out: 0.000+/-0.000 χ^2/NDF:15489388.4/54

All: 0.000+/-0.000 χ^2/NDF: 29950139.1/105

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.008 χ^2/NDF: 22.5/27

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

Right Out: 0.004+/-0.008 χ^2/NDF: 34.7/30

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

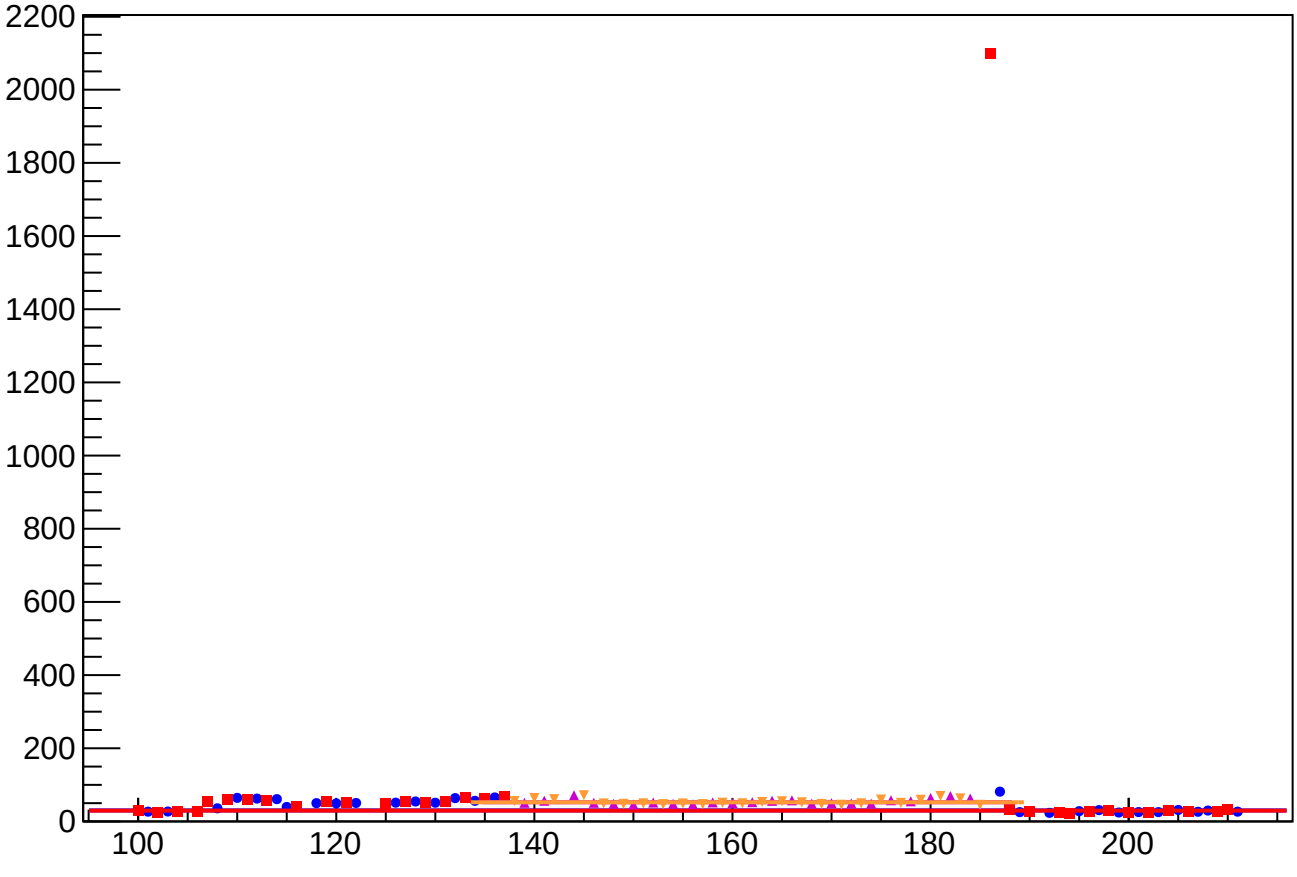
Right: -0.002+/-0.006 χ^2/NDF: 58.6/58

In: -0.014+/-0.007 χ^2/NDF:48.0/50

Out: 0.002+/-0.007 χ^2/NDF:58.1/54

All: -0.005+/-0.005 χ^2/NDF: 109.0/105

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.156+/-0.006 χ^2/NDF: 2863422.9/27

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

Right Out: 29.640+/-0.005 χ^2/NDF: 3846083.6/30

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

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

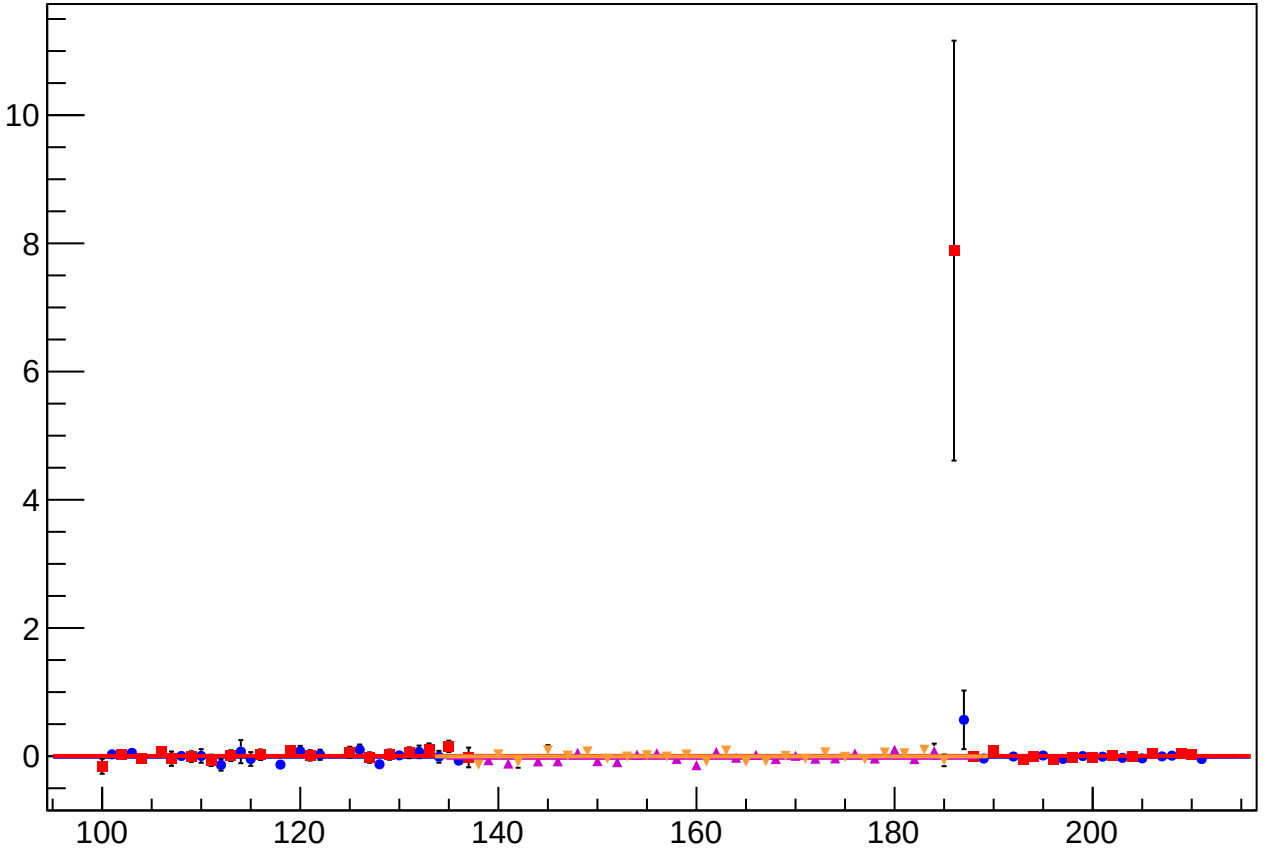
Right: 29.888+/-0.004 χ^2/NDF: 6713788.7/58

In: 36.669+/-0.005 χ^2/NDF:7819946.2/50

Out: 35.987+/-0.005 χ^2/NDF:9193396.1/54

All: 36.318+/-0.003 χ^2/NDF: 17023836.8/105

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.008 χ^2/NDF: 22.5/27

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

Right Out: 0.004+/-0.008 χ^2/NDF: 34.7/30

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

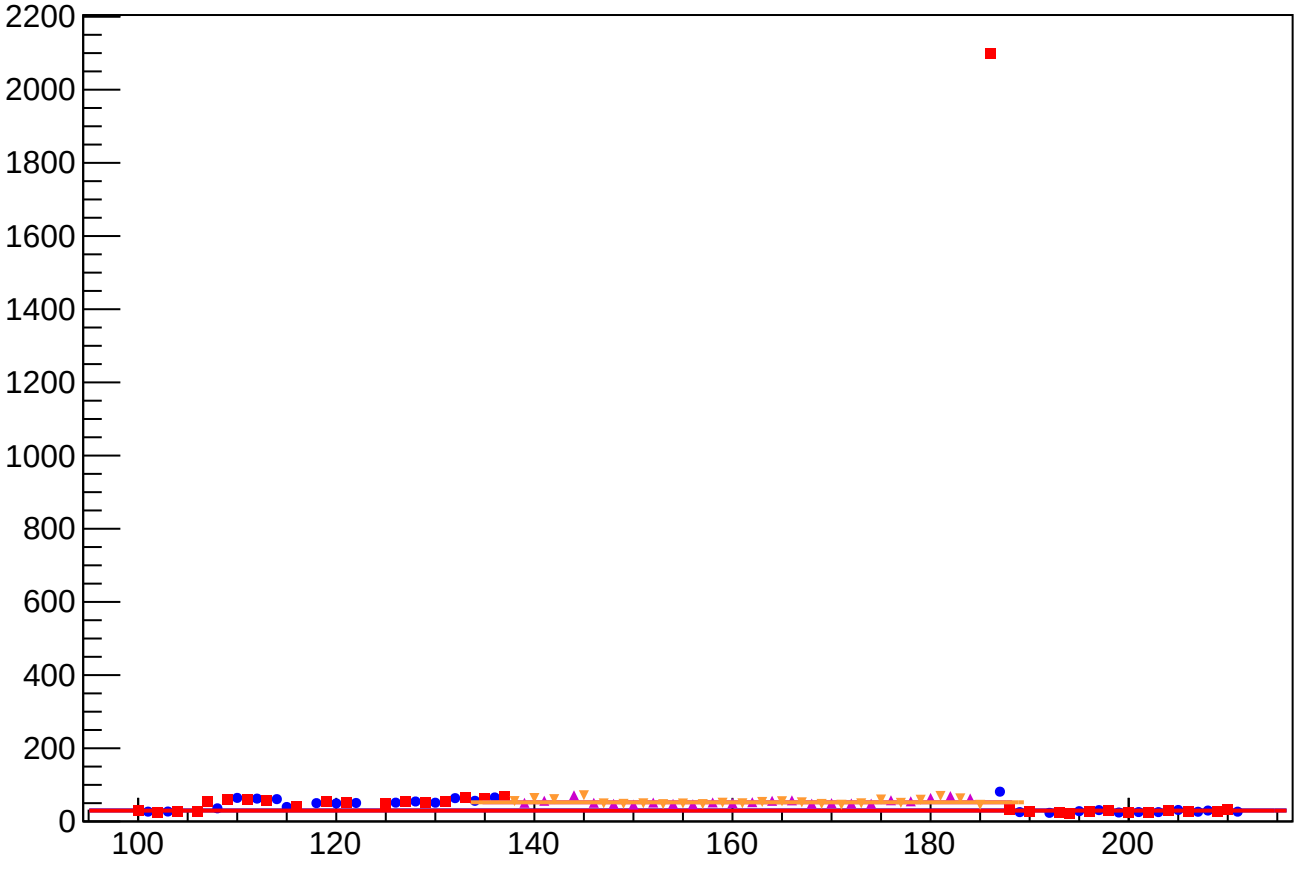
Right: -0.002+/-0.006 χ^2/NDF: 58.6/58

In: -0.014+/-0.007 χ^2/NDF:48.0/50

Out: 0.002+/-0.007 χ^2/NDF:58.1/54

All: -0.005+/-0.005 χ^2/NDF: 109.0/105

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.156+/-0.006 χ^2/NDF: 2863422.9/27

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

Right Out: 29.640+/-0.005 χ^2/NDF: 3846083.6/30

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

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

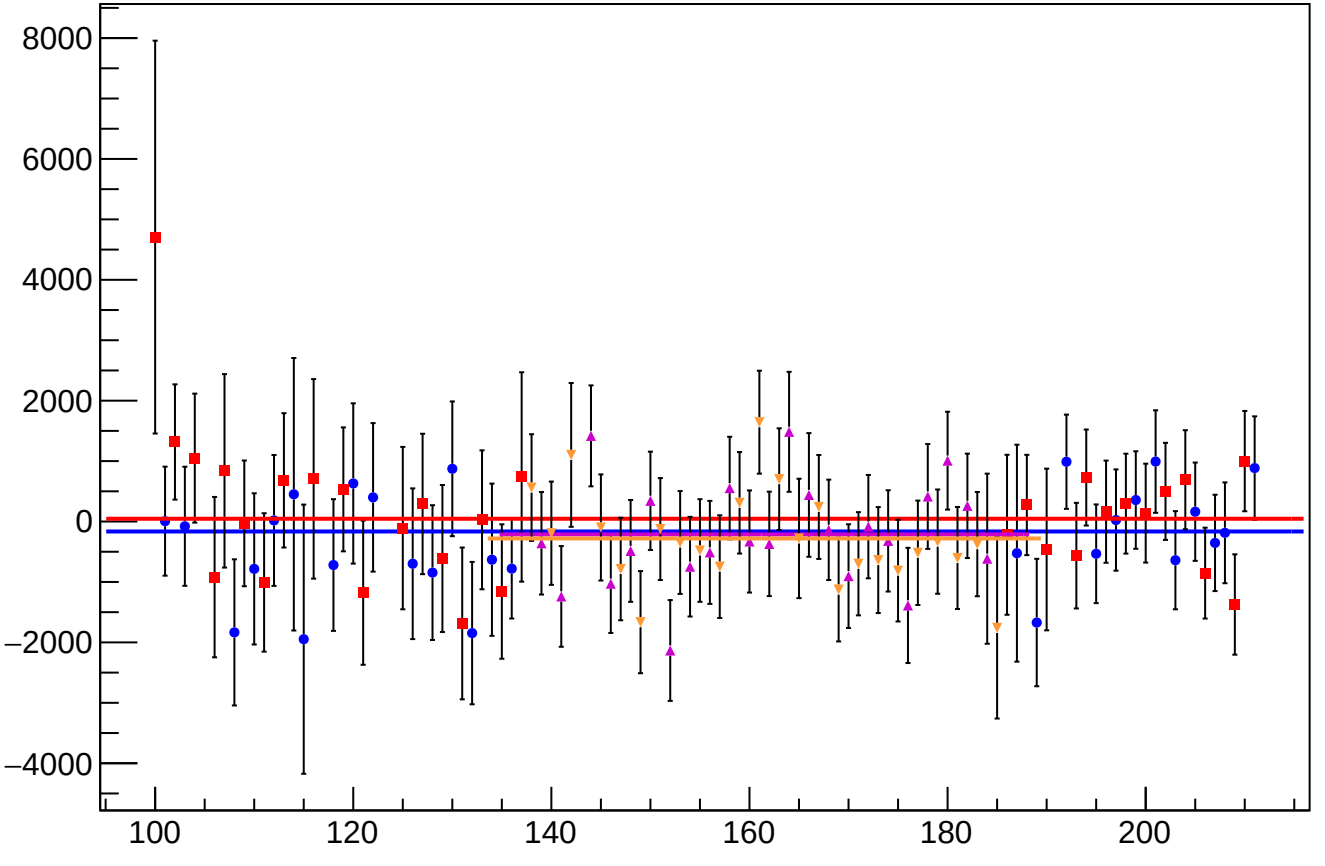
Right: 29.888+/-0.004 χ^2/NDF: 6713788.7/58

In: 36.669+/-0.005 χ^2/NDF:7819946.2/50

Out: 35.987+/-0.005 χ^2/NDF:9193396.1/54

All: 36.318+/-0.003 χ^2/NDF: 17023836.8/105

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: 46.094+/-183.820 χ^2/NDF: 19.9/30

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

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

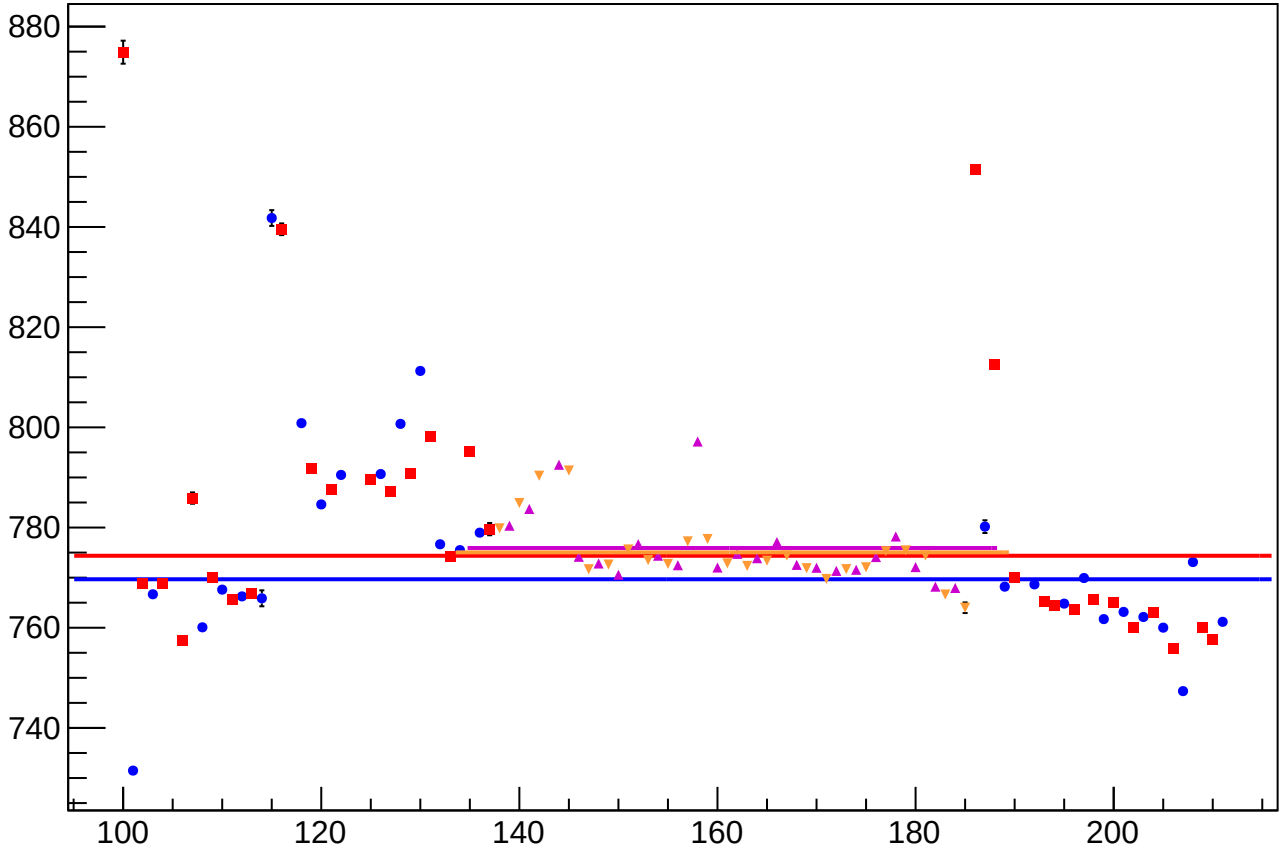
Right: -56.470+/-131.670 χ^2/NDF: 37.3/58

In: -189.978+/-130.684 χ^2/NDF:39.2/50

Out: -120.671+/-128.565 χ^2/NDF:37.6/54

All: -154.758+/-91.649 χ^2/NDF: 76.9/105

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

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

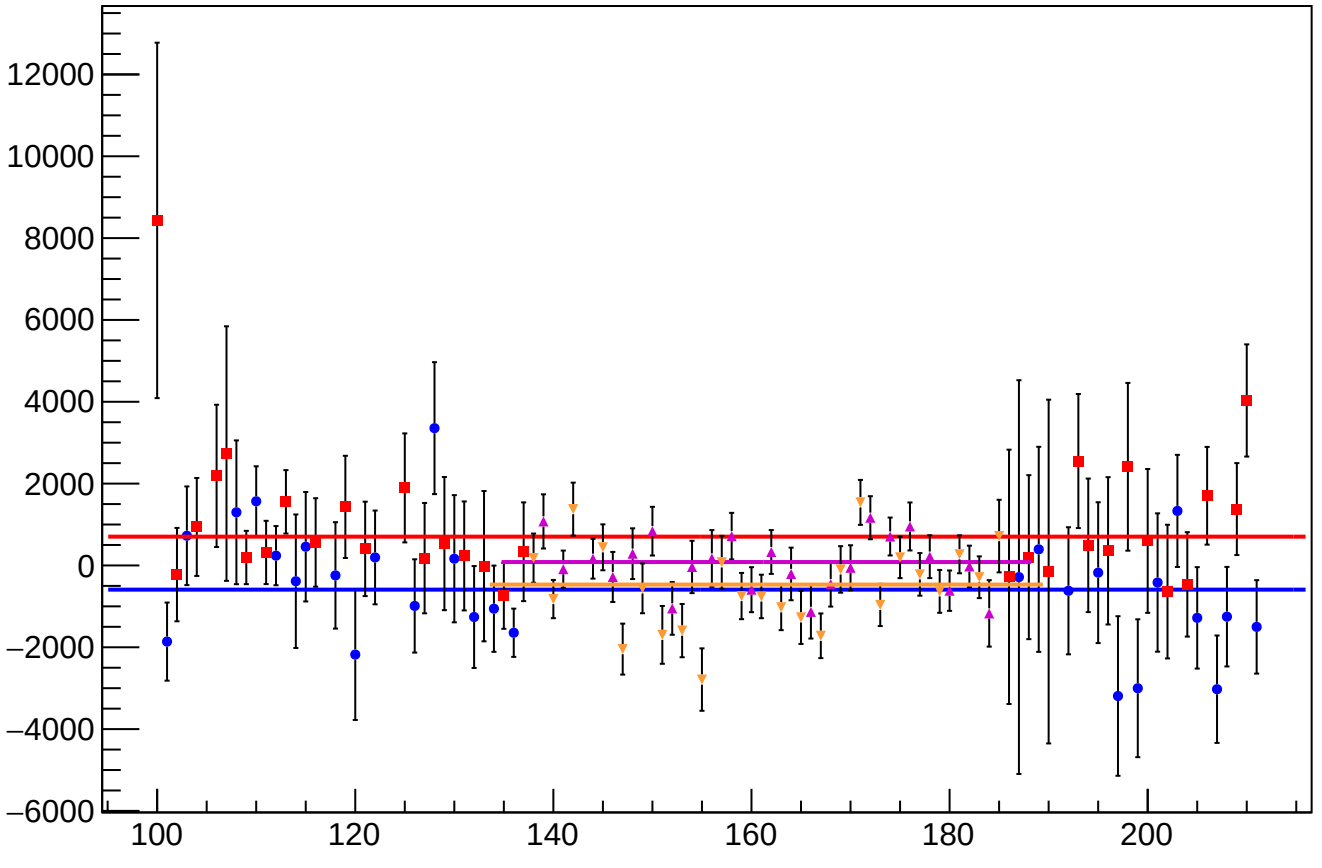
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 772.084+/-0.093 χ^2/NDF: 41928.2/58

In: 772.926+/-0.092 χ^2/NDF:20414.5/50

Out: 774.717+/-0.091 χ^2/NDF:26957.3/54

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: 703.668+/-226.402 χ^2/NDF: 22.7/30

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

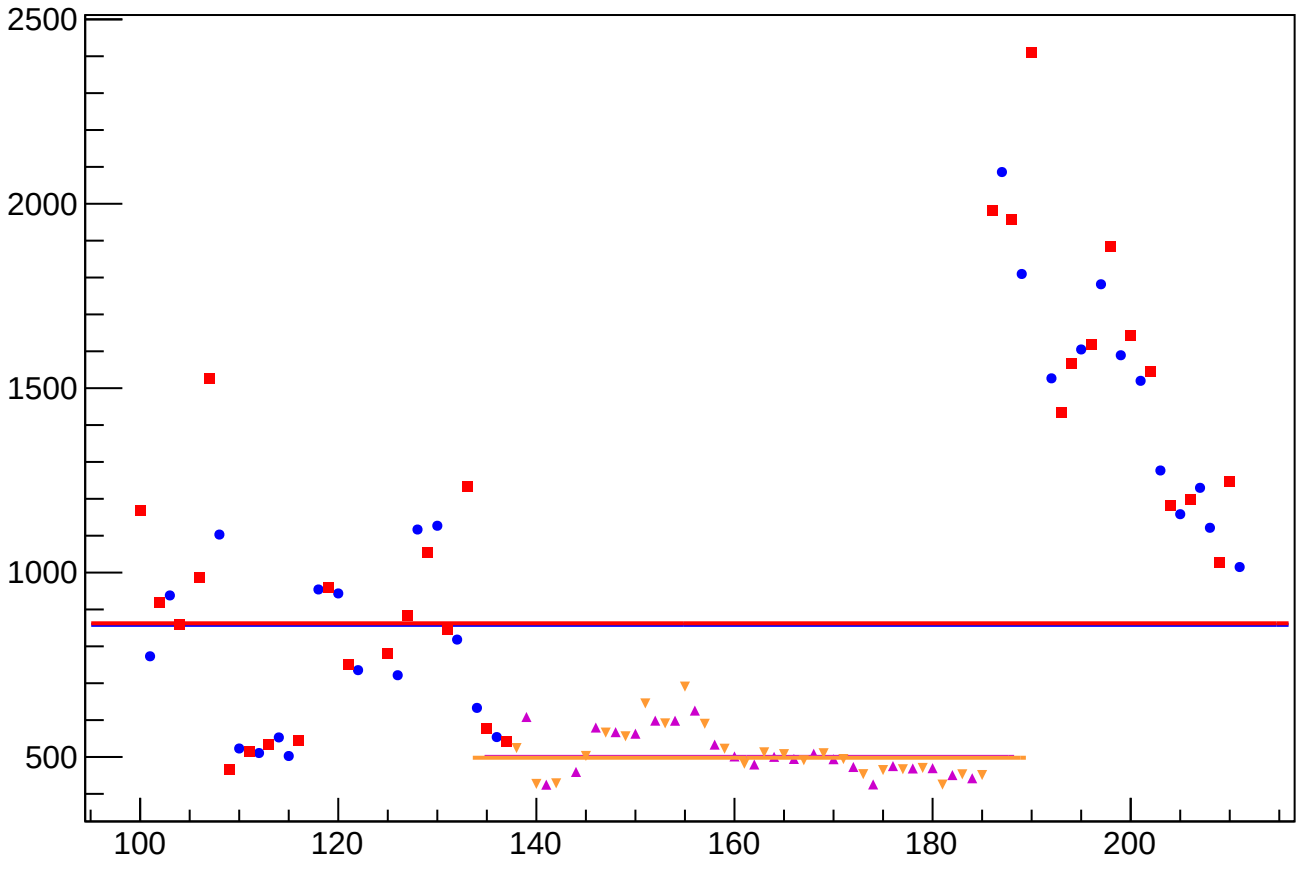
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 61.535+/-160.758 χ^2/NDF: 73.7/58

In: -58.696+/-104.691 χ^2/NDF:69.7/50

Out: -221.332+/-103.739 χ^2/NDF:108.3/54

All: -140.757+/-73.689 χ^2/NDF: 179.2/105



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

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

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

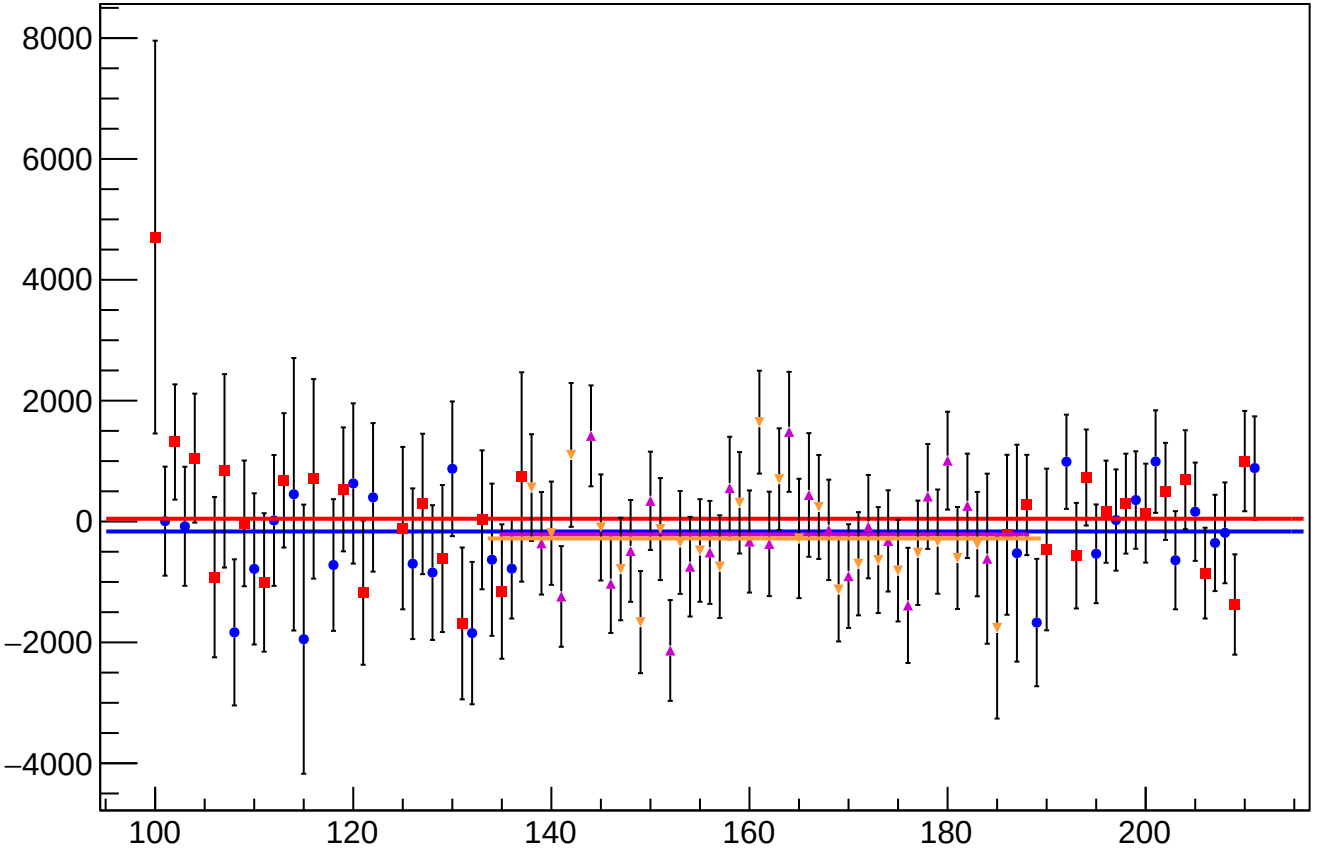
Right: 860.394+/-0.114 χ^2/NDF: 10890122.8/58

In: 575.578+/-0.074 χ^2/NDF:9102061.4/50

Out: 574.500+/-0.073 χ^2/NDF:10771009.1/54

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: 46.094+/-183.820 χ^2/NDF: 19.9/30

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

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

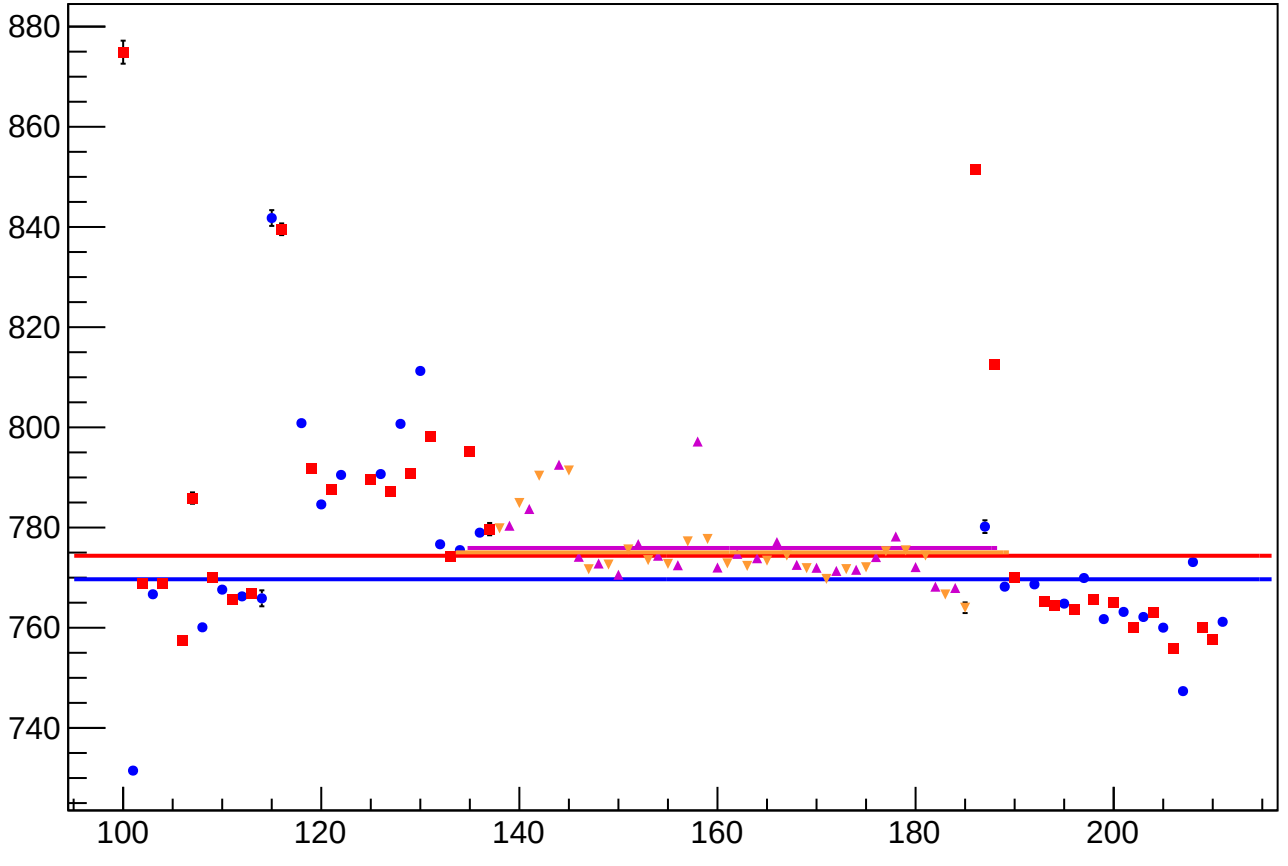
Right: -56.470+/-131.670 χ^2/NDF: 37.3/58

In: -189.978+/-130.684 χ^2/NDF:39.2/50

Out: -120.671+/-128.565 χ^2/NDF:37.6/54

All: -154.758+/-91.649 χ^2/NDF: 76.9/105

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

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

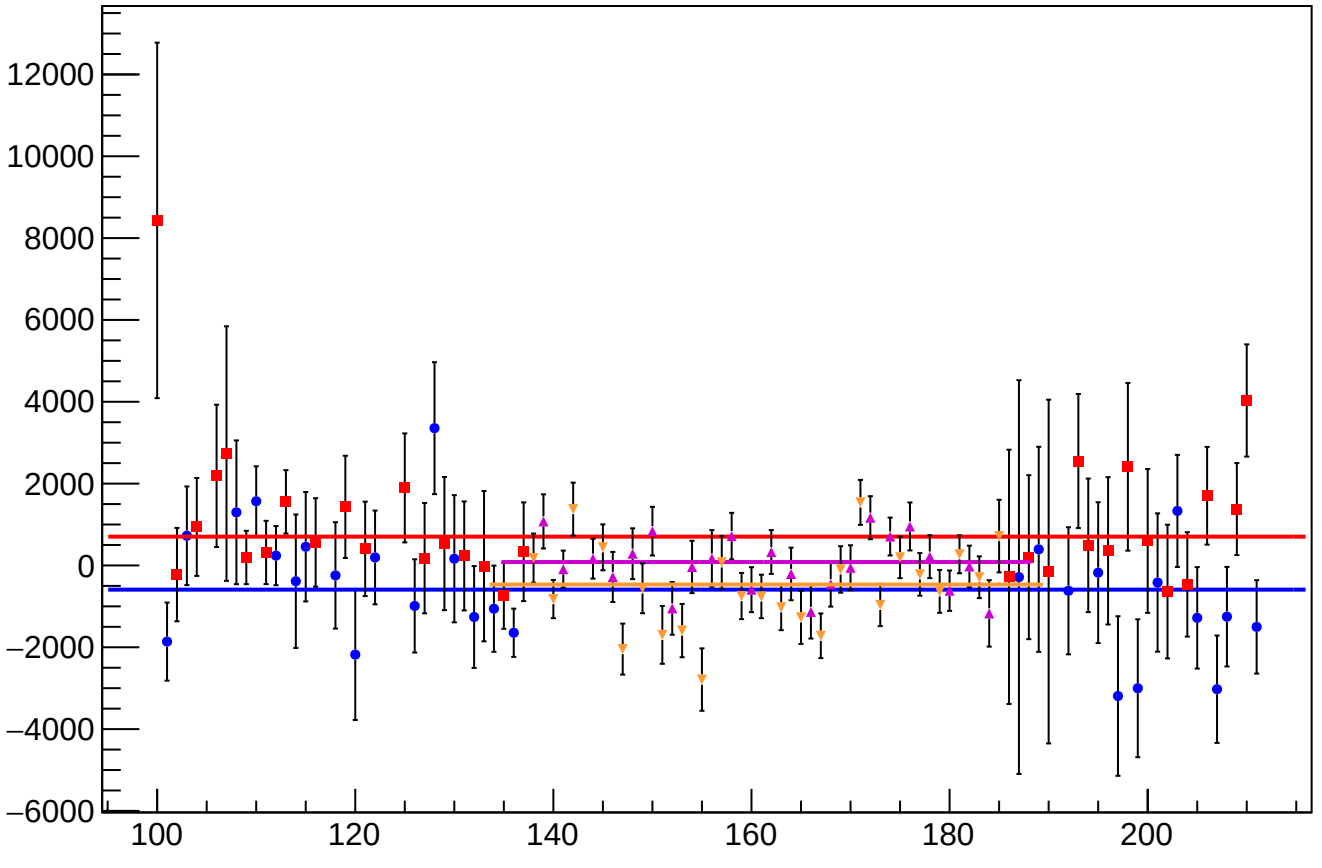
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 772.084+/-0.093 χ^2/NDF: 41928.2/58

In: 772.926+/-0.092 χ^2/NDF:20414.5/50

Out: 774.717+/-0.091 χ^2/NDF:26957.3/54

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: 703.668+/-226.402 χ^2/NDF: 22.7/30

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

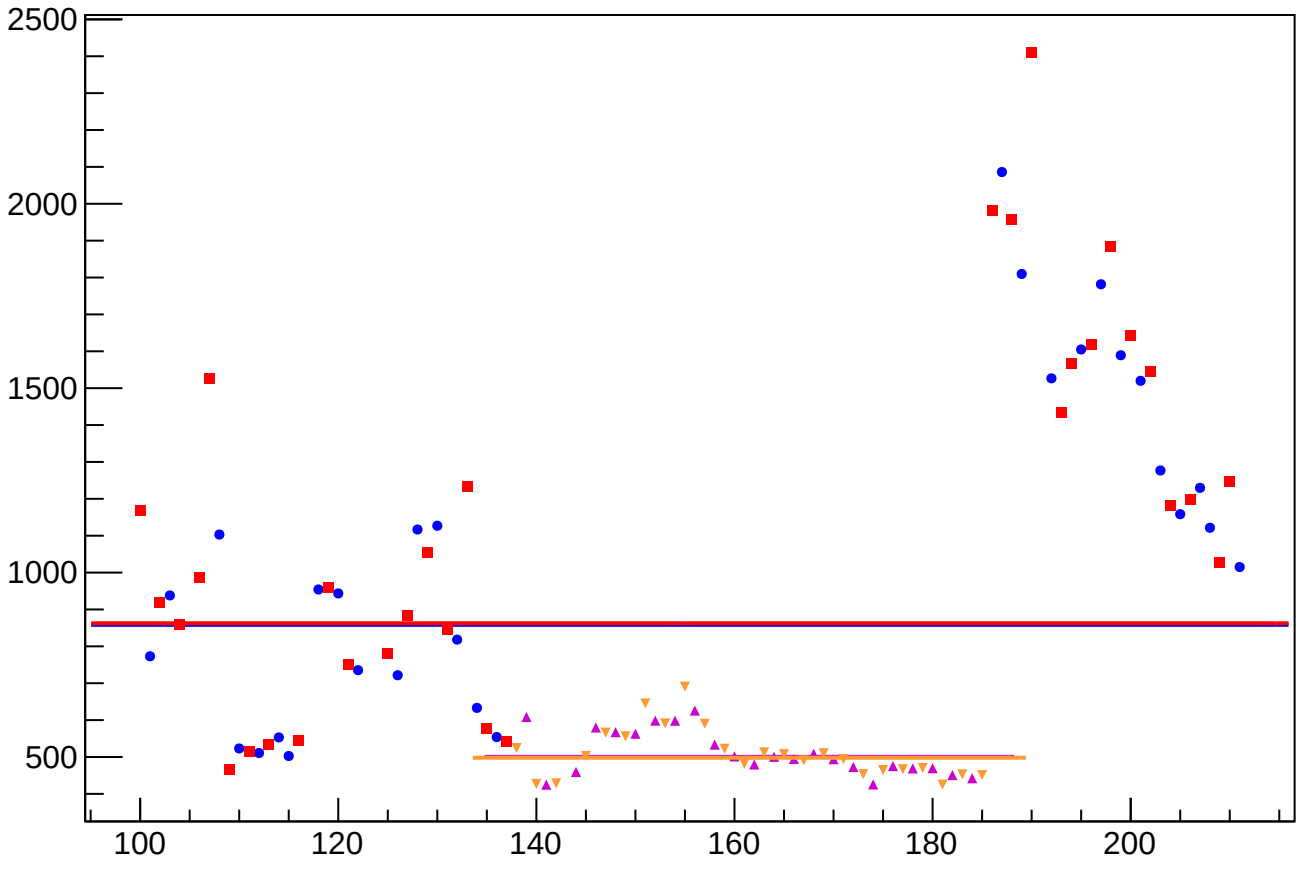
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 61.535+/-160.758 χ^2/NDF: 73.7/58

In: -58.696+/-104.691 χ^2/NDF:69.7/50

Out: -221.332+/-103.739 χ^2/NDF:108.3/54

All: -140.757+/-73.689 χ^2/NDF: 179.2/105



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

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

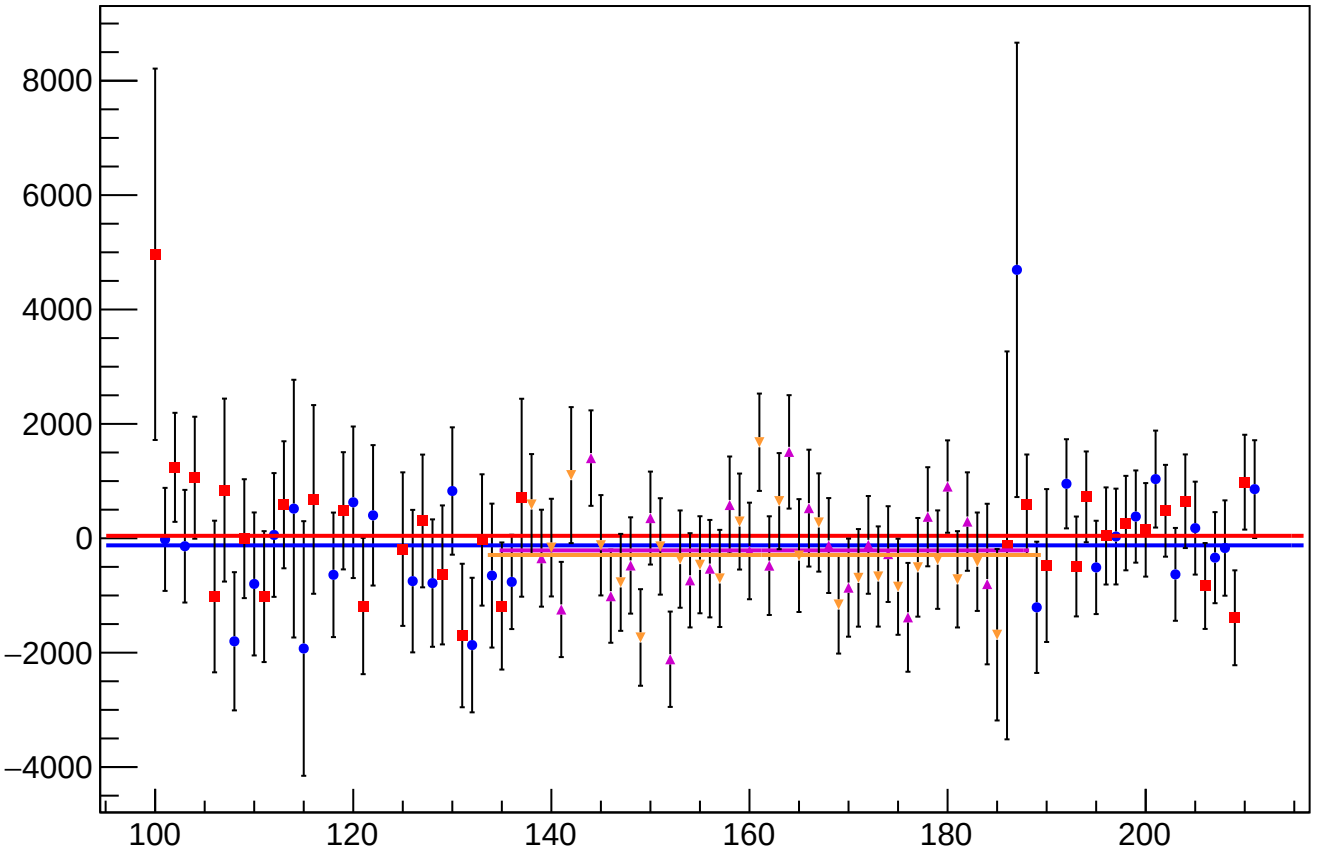
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 860.394+/-0.114 χ^2/NDF: 10890122.8/58

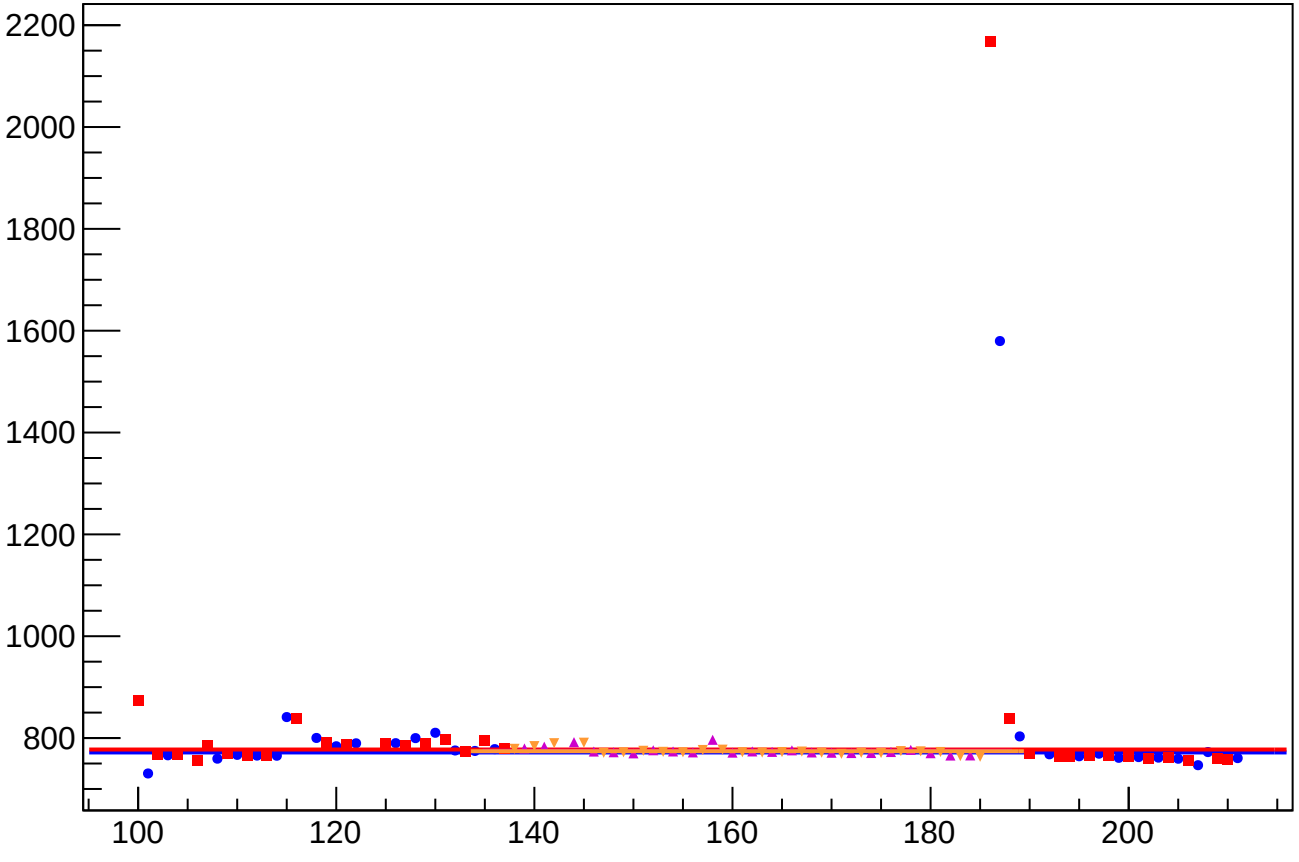
In: 575.578+/-0.074 χ^2/NDF:9102061.4/50

Out: 574.500+/-0.073 χ^2/NDF:10771009.1/54

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -123.728+/-189.848 χ²/NDF: 16.7/27
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 43.144+/-185.695 χ²/NDF: 20.1/30
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -38.447+/-132.750 χ²/NDF: 37.2/58
In: -169.582+/-130.984 χ²/NDF:39.0/50
Out: -129.971+/-129.123 χ²/NDF:38.4/54
All: -149.493+/-91.955 χ²/NDF: 77.4/105

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.734+/-0.134 χ^2/NDF: 100912.6/27

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

Right Out: 777.485+/-0.131 χ^2/NDF: 361580.0/30

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

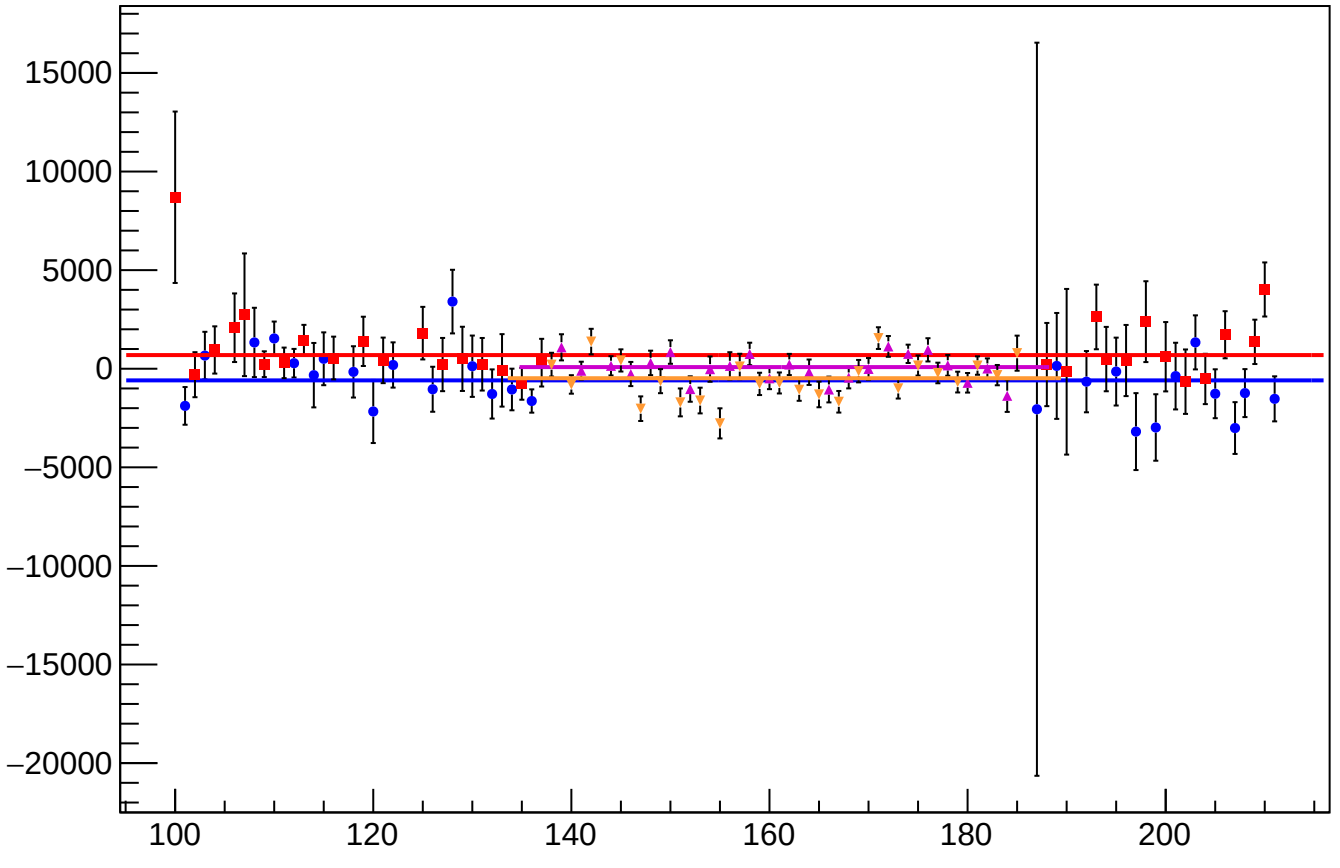
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 774.673+/-0.094 χ^2/NDF: 463430.6/58

In: 773.440+/-0.093 χ^2/NDF:104369.0/50

Out: 775.758+/-0.091 χ^2/NDF:363975.2/54

All: 774.616+/-0.065 χ^2/NDF: 468662.0/105



Right In: -590.901+/-228.925 χ^2/NDF: 34.7/27

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

Right Out: 692.250+/-227.425 χ^2/NDF: 22.6/29

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

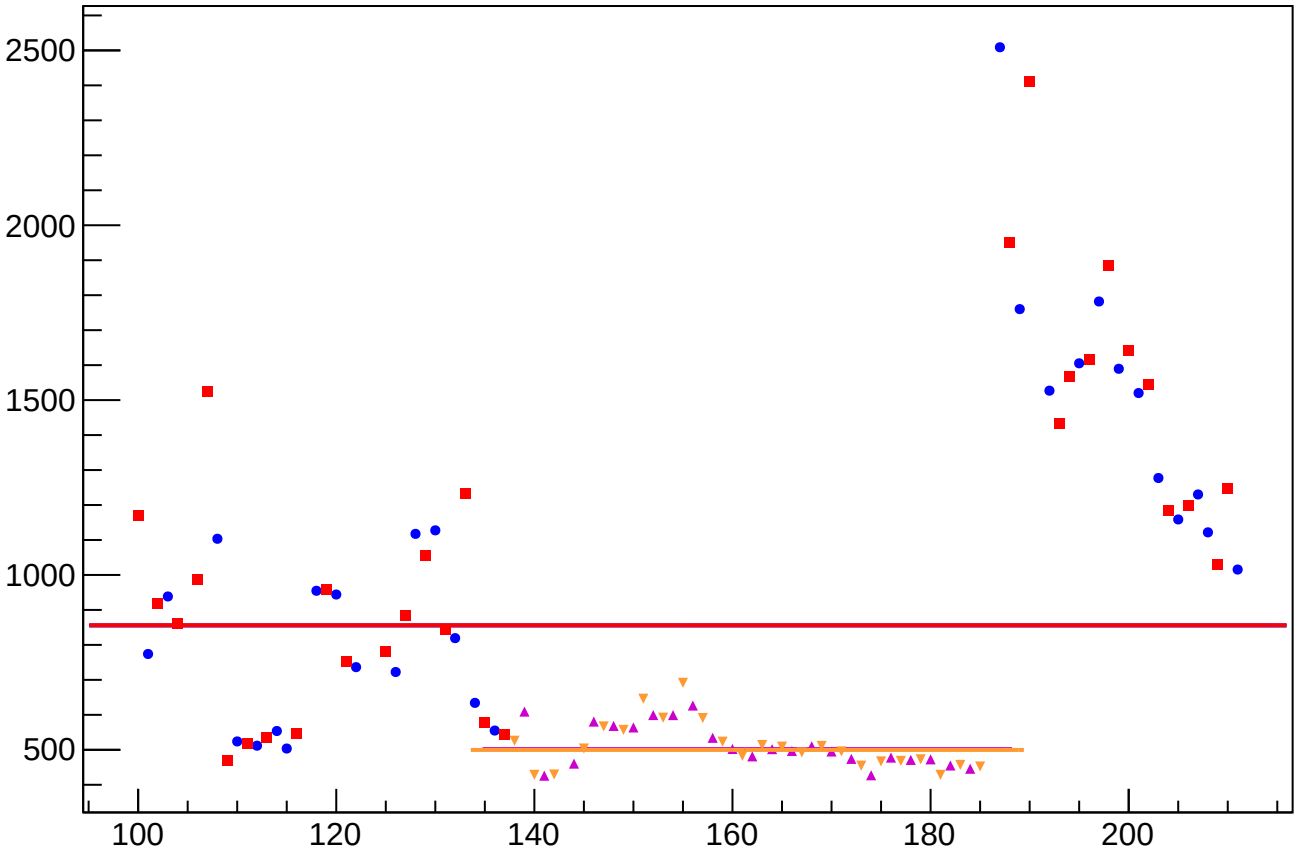
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 54.892+/-161.342 χ^2/NDF: 73.1/57

In: -58.677+/-105.022 χ^2/NDF:69.7/50

Out: -235.411+/-104.104 χ^2/NDF:107.2/53

All: -147.820+/-73.935 χ^2/NDF: 178.4/104



Right In: 855.562+/-0.162 χ^2/NDF: 4549657.9/27

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

Right Out: 856.245+/-0.161 χ^2/NDF: 5798001.5/29

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

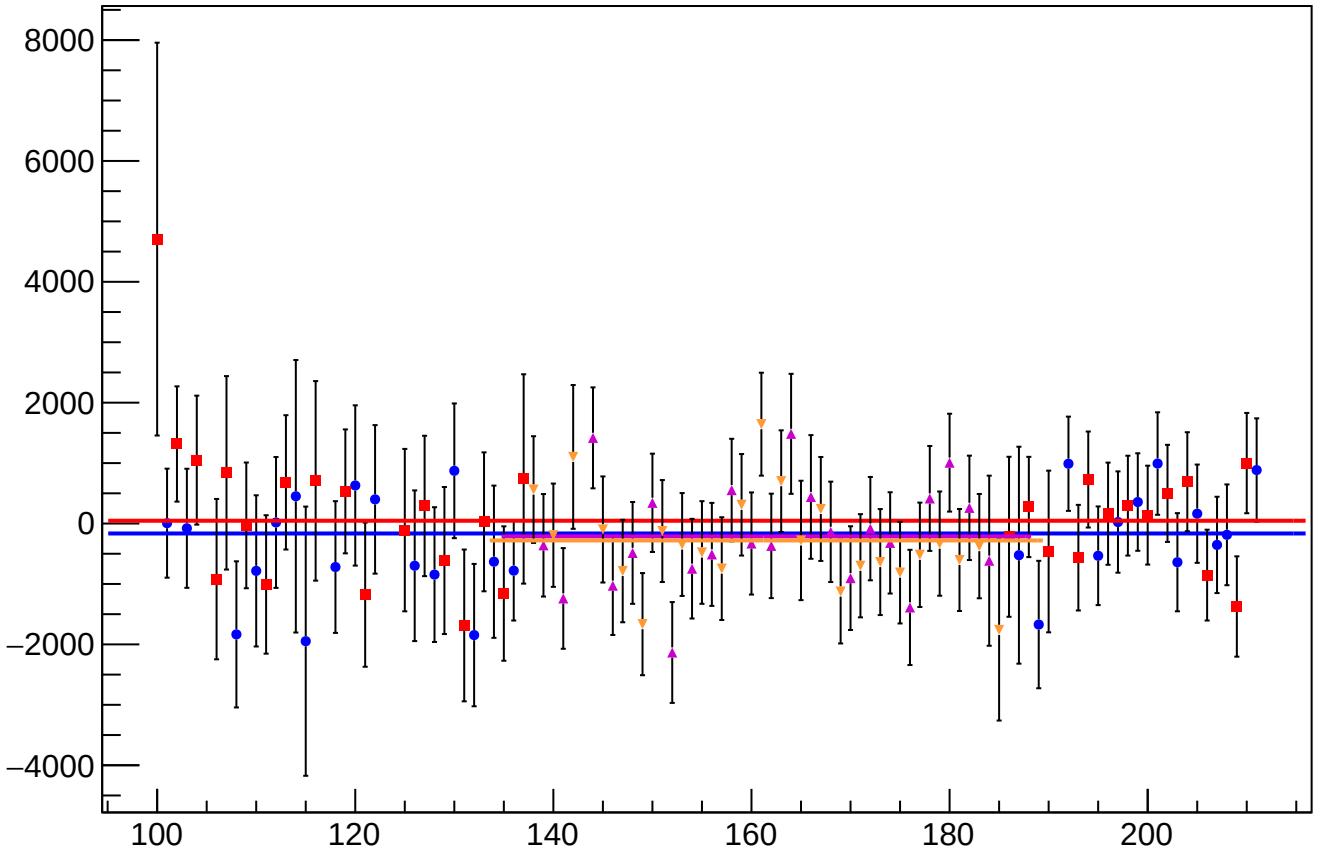
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 855.906+/-0.114 χ^2/NDF: 10347668.4/57

In: 576.433+/-0.074 χ^2/NDF:8783126.8/50

Out: 574.385+/-0.074 χ^2/NDF:10200623.1/53

All: 575.400+/-0.052 χ^2/NDF: 18984133.3/10



Right In: -164.543+/-188.693 χ^2/NDF: 16.8/27

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

Right Out: 46.094+/-183.820 χ^2/NDF: 19.9/30

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

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

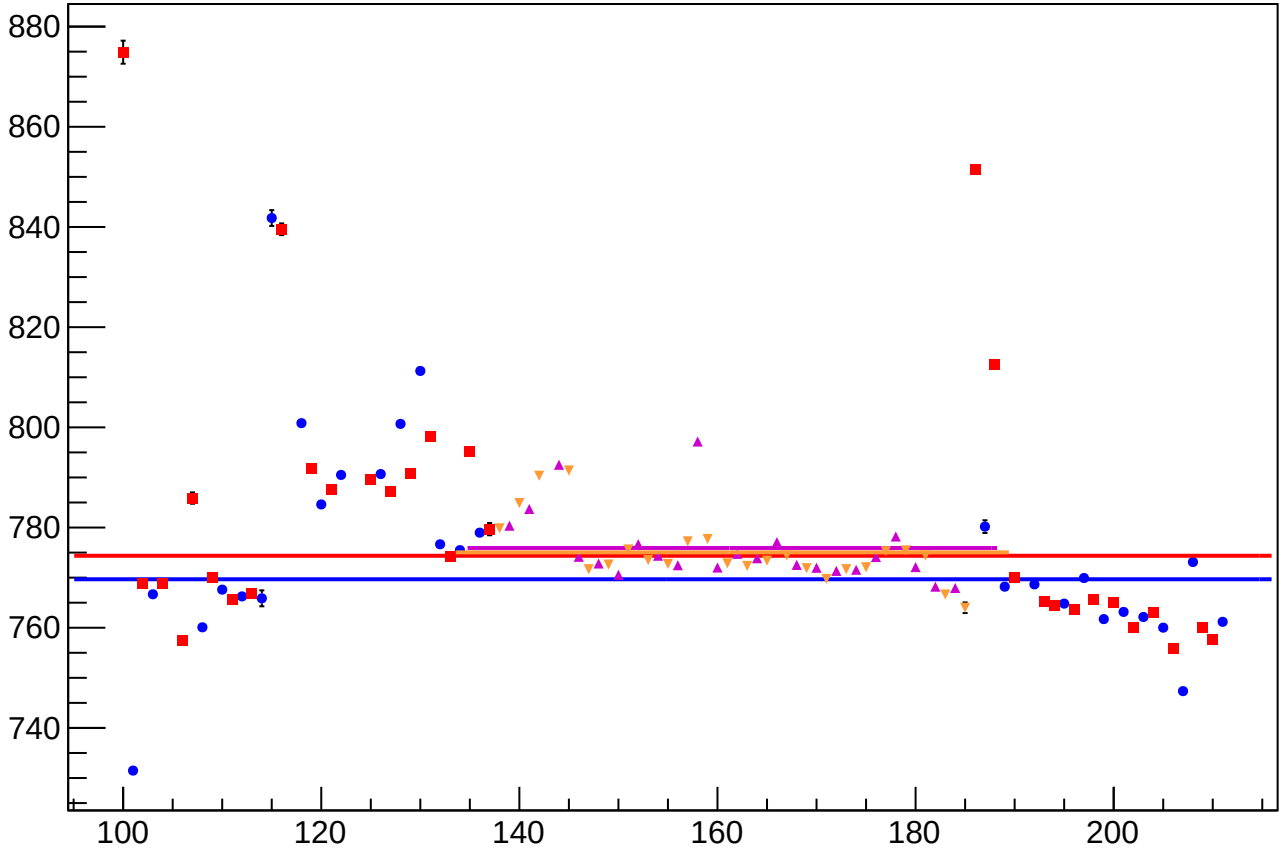
Right: -56.470+/-131.670 χ^2/NDF: 37.3/58

In: -189.978+/-130.684 χ^2/NDF:39.2/50

Out: -120.671+/-128.565 χ^2/NDF:37.6/54

All: -154.758+/-91.649 χ^2/NDF: 76.9/105

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.677+/-0.133 χ^2/NDF: 16301.7/27

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

Right Out: 774.369+/-0.130 χ^2/NDF: 24992.0/30

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

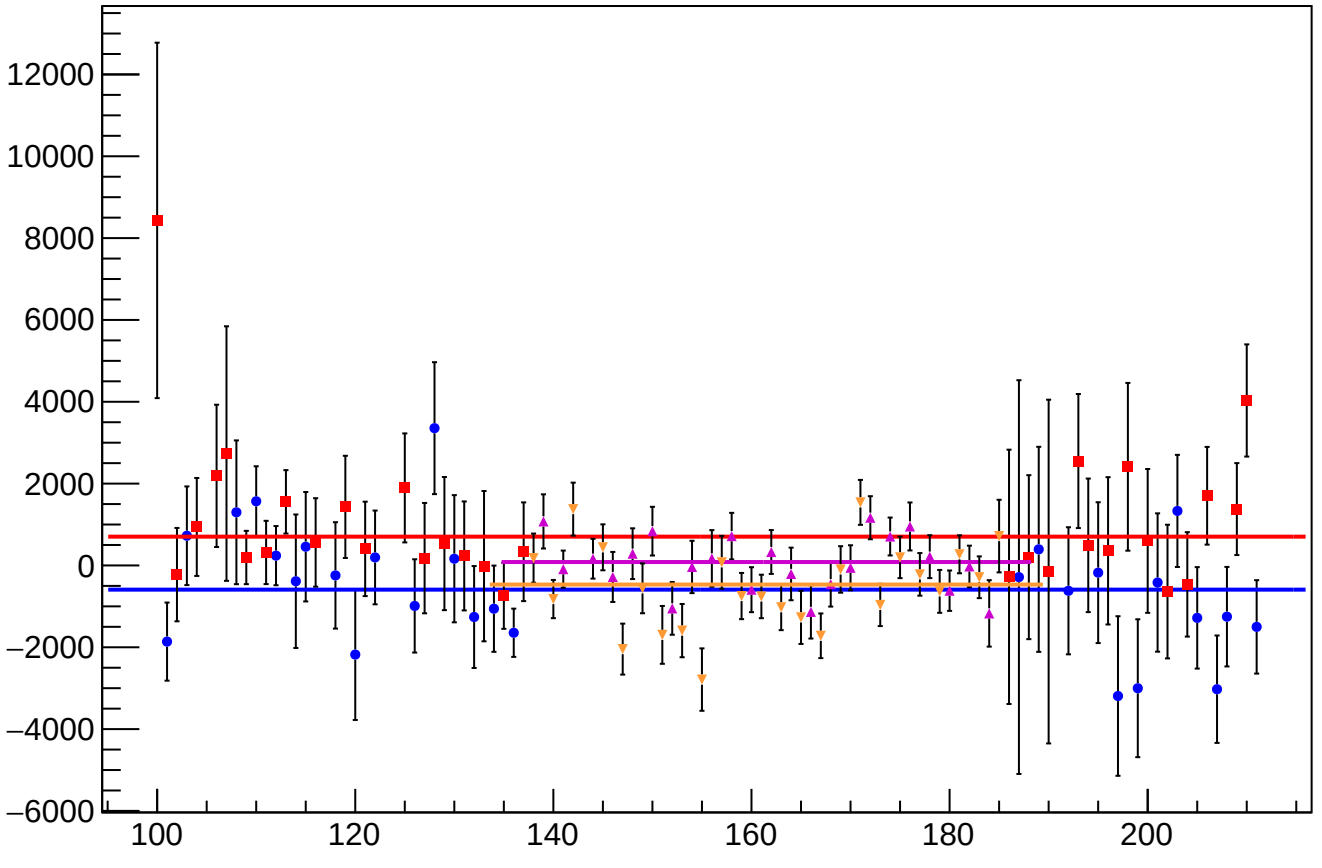
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 772.084+/-0.093 χ^2/NDF: 41928.2/58

In: 772.926+/-0.092 χ^2/NDF:20414.5/50

Out: 774.717+/-0.091 χ^2/NDF:26957.3/54

All: 773.836+/-0.065 χ^2/NDF: 47562.5/105



Right In: -591.413+/-228.301 χ^2/NDF: 34.7/27

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

Right Out: 703.668+/-226.402 χ^2/NDF: 22.7/30

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

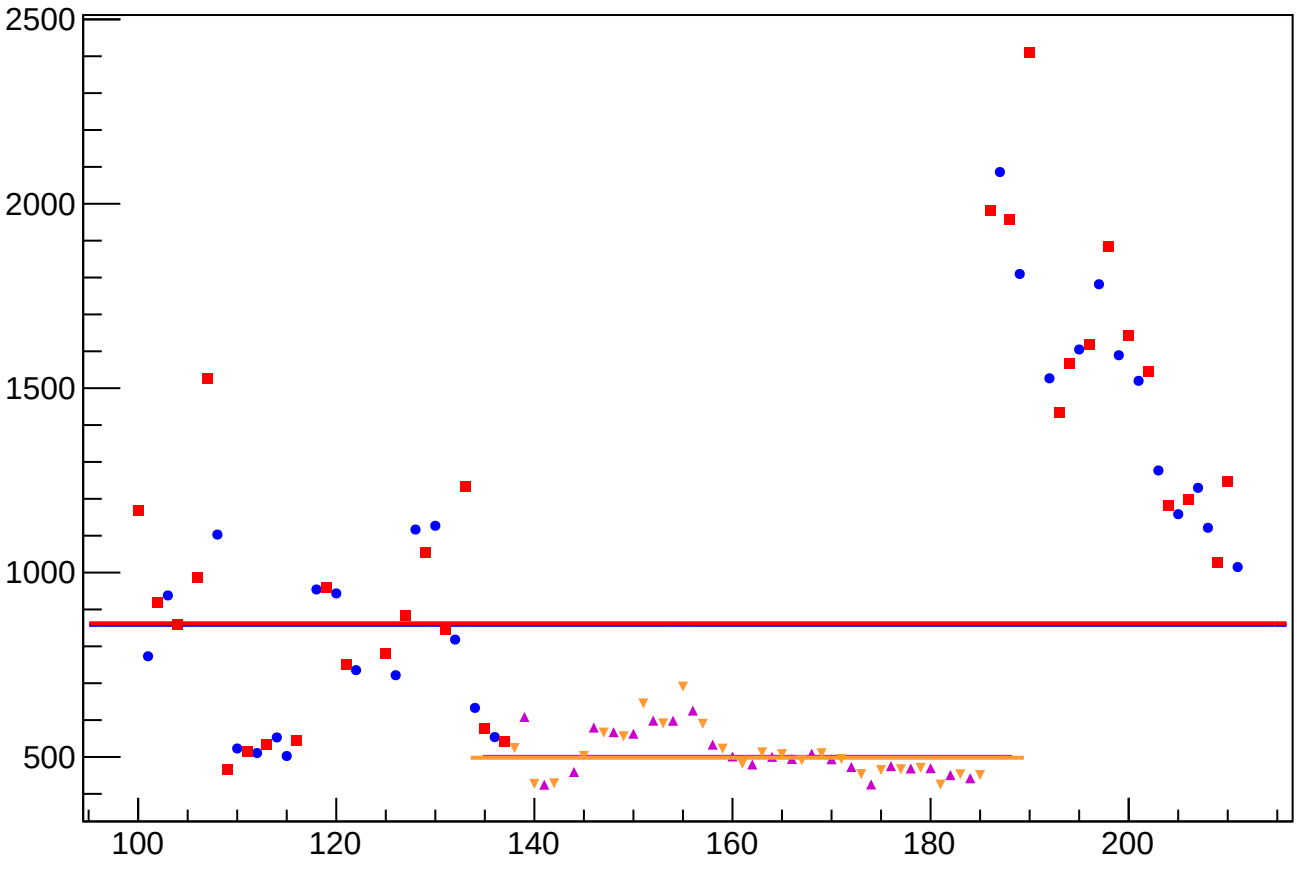
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 61.535+/-160.758 χ^2/NDF: 73.7/58

In: -58.696+/-104.691 χ^2/NDF:69.7/50

Out: -221.332+/-103.739 χ^2/NDF:108.3/54

All: -140.757+/-73.689 χ^2/NDF: 179.2/105



Right In: 858.259+/-0.161 χ^2/NDF: 4741957.8/27

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

Right Out: 862.493+/-0.160 χ^2/NDF: 6147818.1/30

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

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

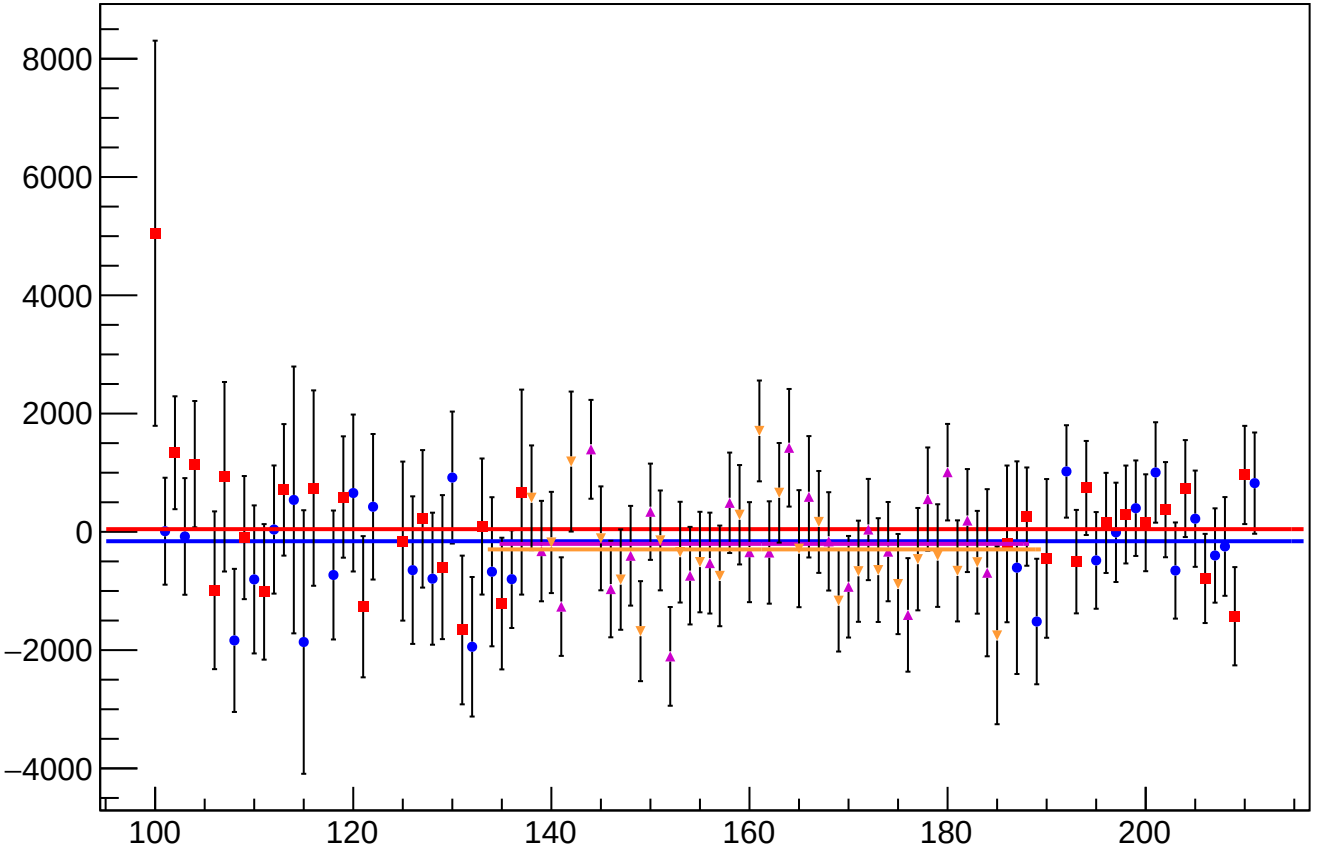
Right: 860.394+/-0.114 χ^2/NDF: 10890122.8/58

In: 575.578+/-0.074 χ^2/NDF:9102061.4/50

Out: 574.500+/-0.073 χ^2/NDF:10771009.1/54

All: 575.034+/-0.052 χ^2/NDF: 19873177.6/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -158.541+/-188.930 χ^2/NDF: 16.8/27

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

Right Out: 45.509+/-184.049 χ^2/NDF: 20.6/30

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

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

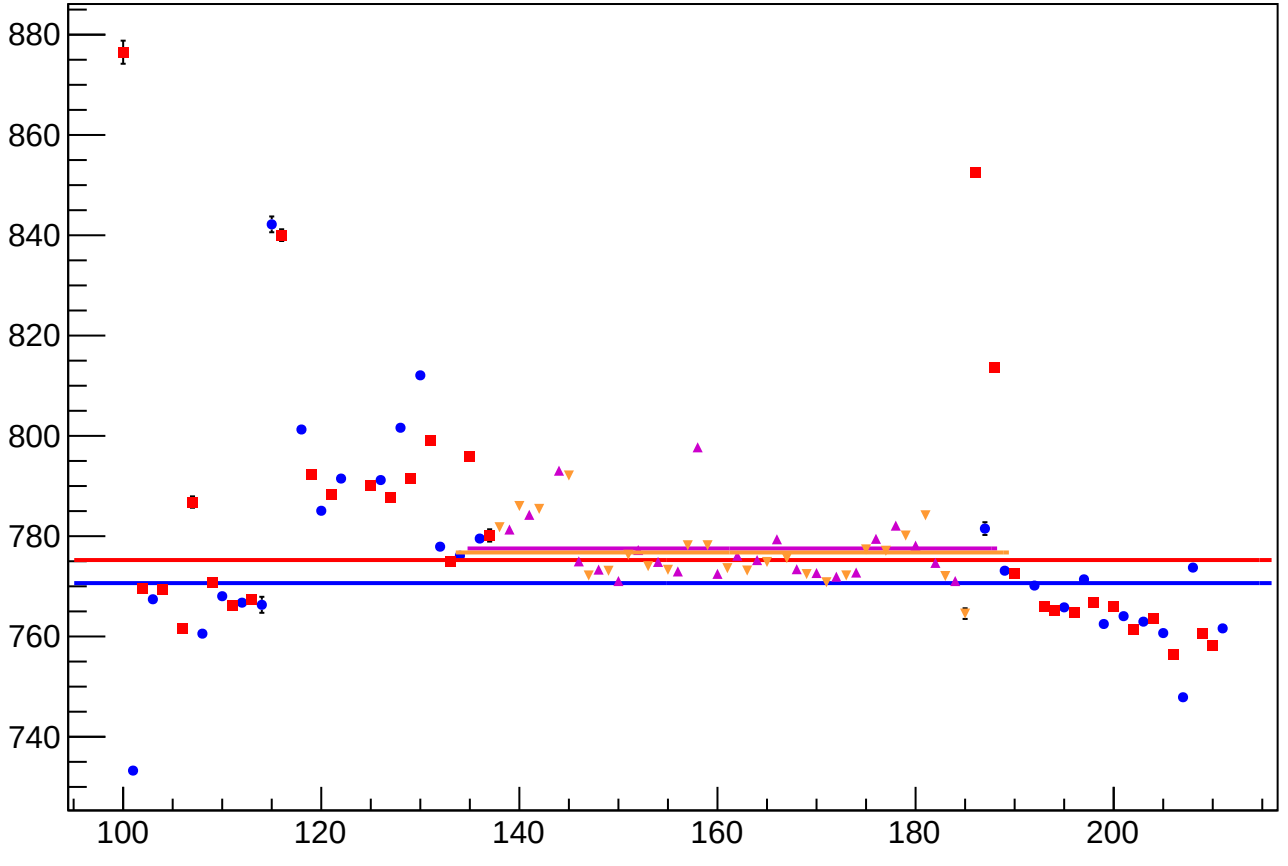
Right: -53.846+/-131.834 χ^2/NDF: 38.0/58

In: -181.832+/-130.906 χ^2/NDF:39.0/50

Out: -129.171+/-128.789 χ^2/NDF:39.1/54

All: -155.073+/-91.807 χ^2/NDF: 78.1/105

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.643+/-0.134 χ^2/NDF: 16092.6/27

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

Right Out: 775.241+/-0.130 χ^2/NDF: 24870.7/30

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

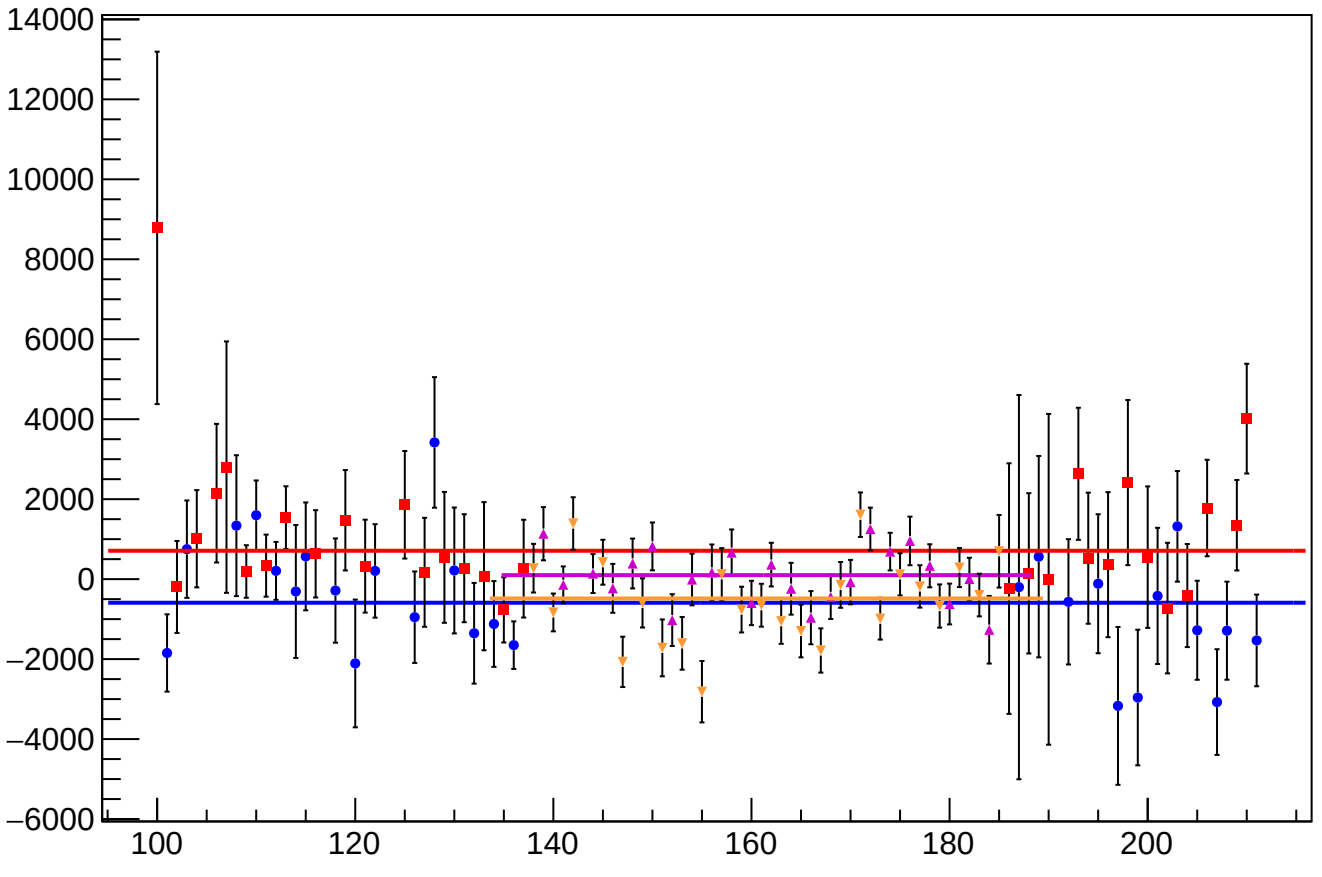
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 773.002+/-0.093 χ^2/NDF: 41571.1/58

In: 774.234+/-0.093 χ^2/NDF:20233.1/50

Out: 776.011+/-0.091 χ^2/NDF:26765.7/54

All: 775.137+/-0.065 χ^2/NDF: 47186.2/105



Right In: -589.997+/-230.334 χ^2/NDF: 34.7/27

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

Right Out: 710.019+/-228.265 χ^2/NDF: 22.9/30

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

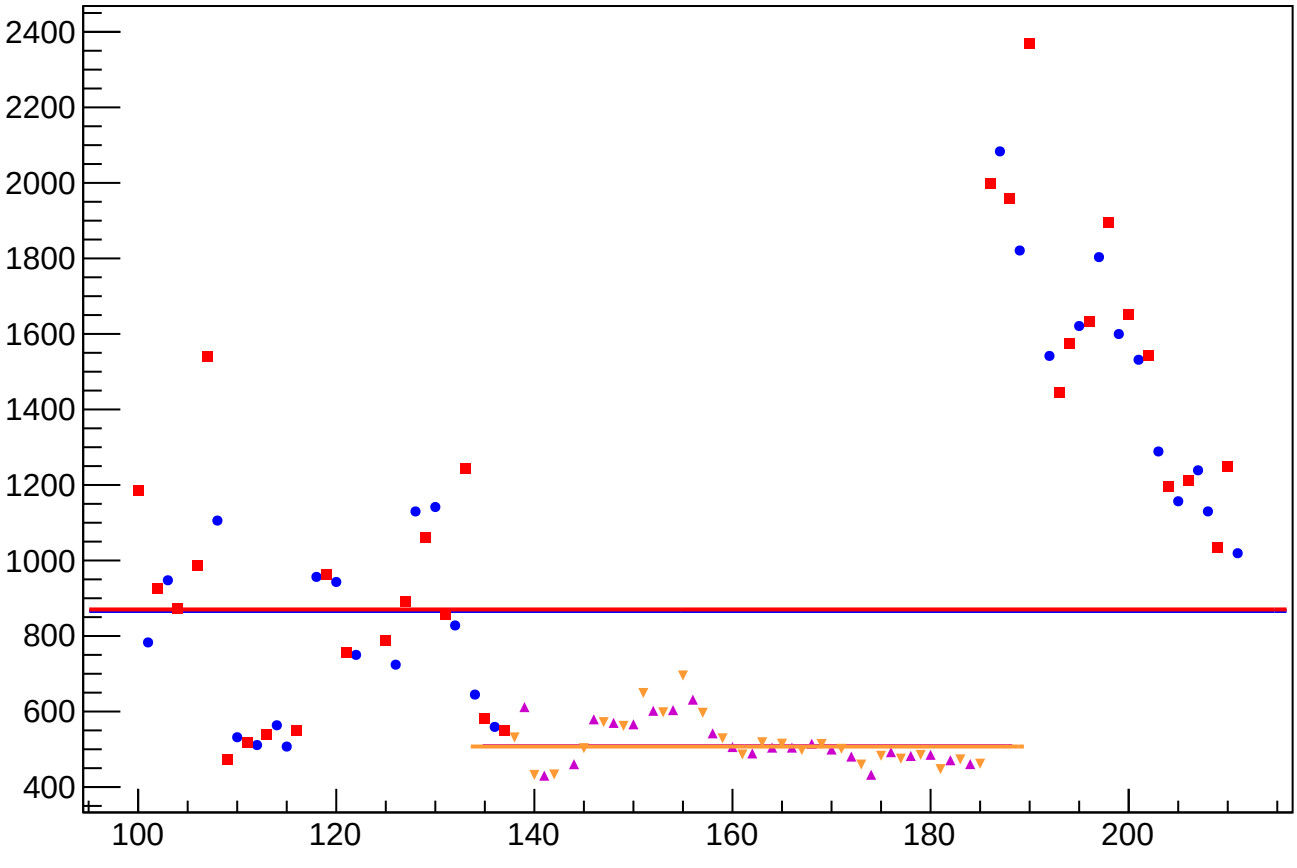
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 65.877+/-162.134 χ^2/NDF: 73.7/58

In: -46.688+/-106.197 χ^2/NDF:69.2/50

Out: -228.617+/-105.386 χ^2/NDF:109.5/54

All: -138.350+/-74.804 χ^2/NDF: 180.2/105



Right In: 866.297+/-0.163 χ^2/NDF: 4721573.5/27

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

Right Out: 870.334+/-0.161 χ^2/NDF: 6103675.2/30

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

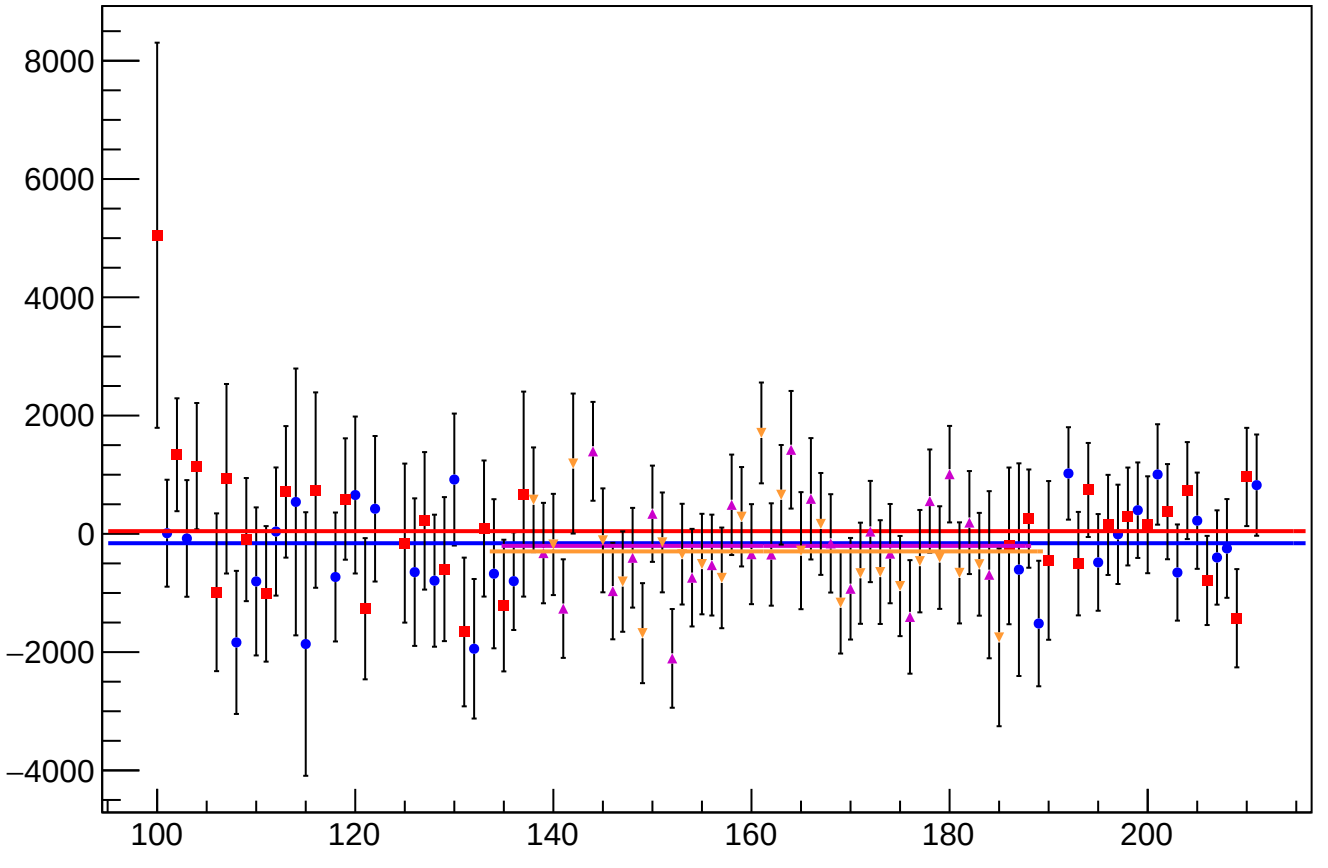
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 868.334+/-0.115 χ^2/NDF: 10825558.7/58

In: 584.668+/-0.075 χ^2/NDF:8951195.8/50

Out: 584.696+/-0.075 χ^2/NDF:10557760.6/54

All: 584.682+/-0.053 χ^2/NDF: 19508956.5/10



Right In: -158.541+/-188.930 χ^2/NDF: 16.8/27

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

Right Out: 45.509+/-184.049 χ^2/NDF: 20.6/30

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

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

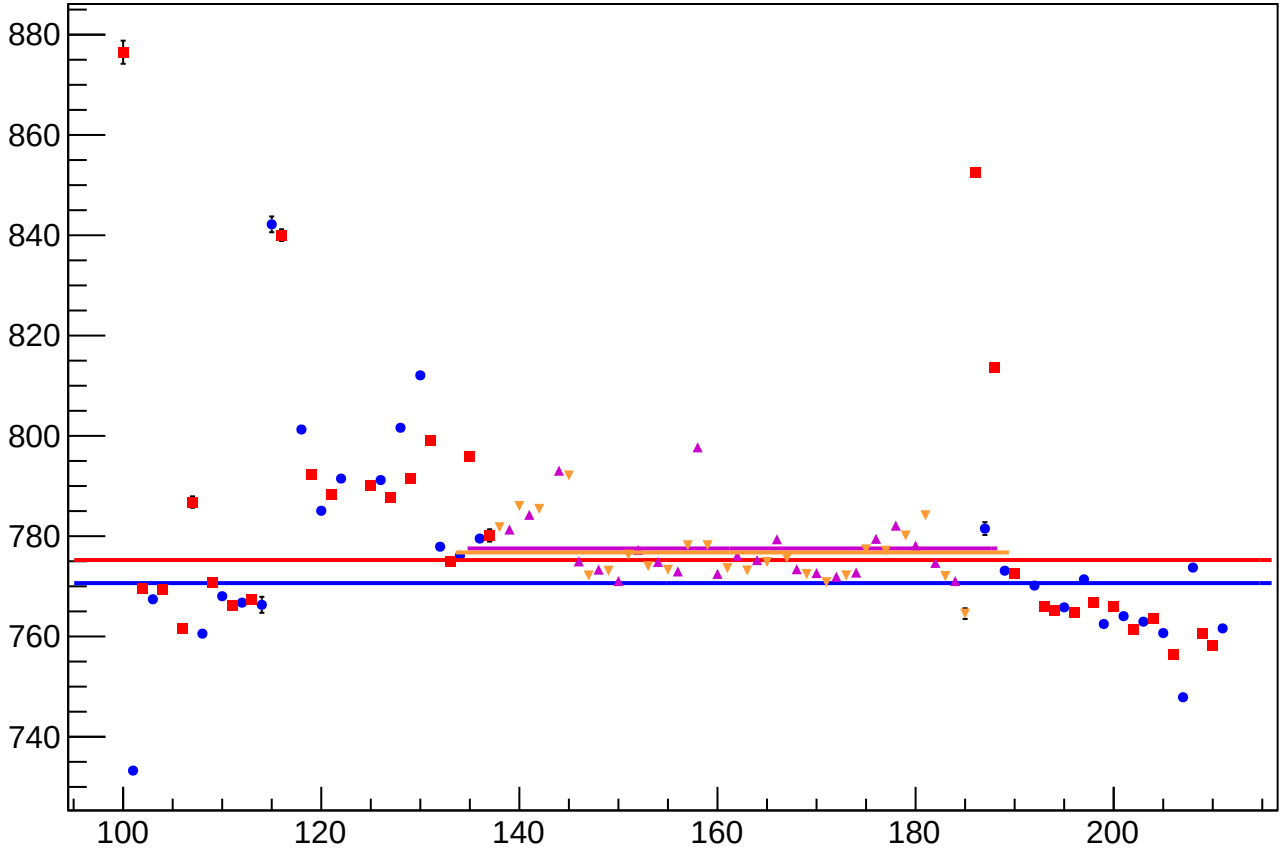
Right: -53.847+/-131.834 χ^2/NDF: 38.0/58

In: -181.832+/-130.906 χ^2/NDF:39.0/50

Out: -129.172+/-128.789 χ^2/NDF:39.1/54

All: -155.073+/-91.807 χ^2/NDF: 78.1/105

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.643+/-0.134 χ^2/NDF: 16092.5/27

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

Right Out: 775.241+/-0.130 χ^2/NDF: 24870.7/30

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

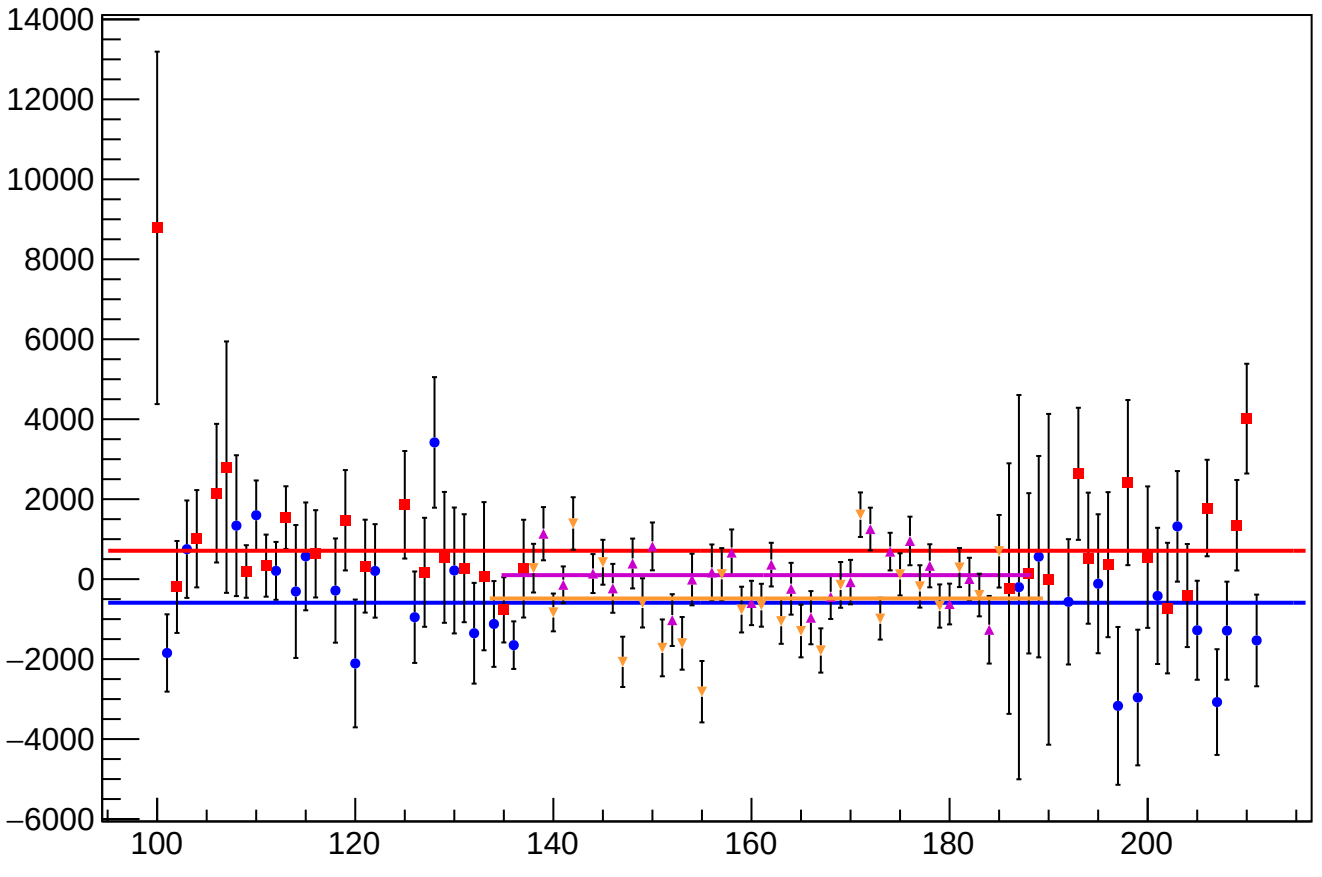
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 773.002+/-0.093 χ^2/NDF: 41571.0/58

In: 774.234+/-0.093 χ^2/NDF:20233.0/50

Out: 776.011+/-0.091 χ^2/NDF:26765.7/54

All: 775.137+/-0.065 χ^2/NDF: 47186.2/105



Right In: -589.991+/-230.333 χ^2/NDF: 34.7/27

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

Right Out: 710.017+/-228.264 χ^2/NDF: 22.9/30

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

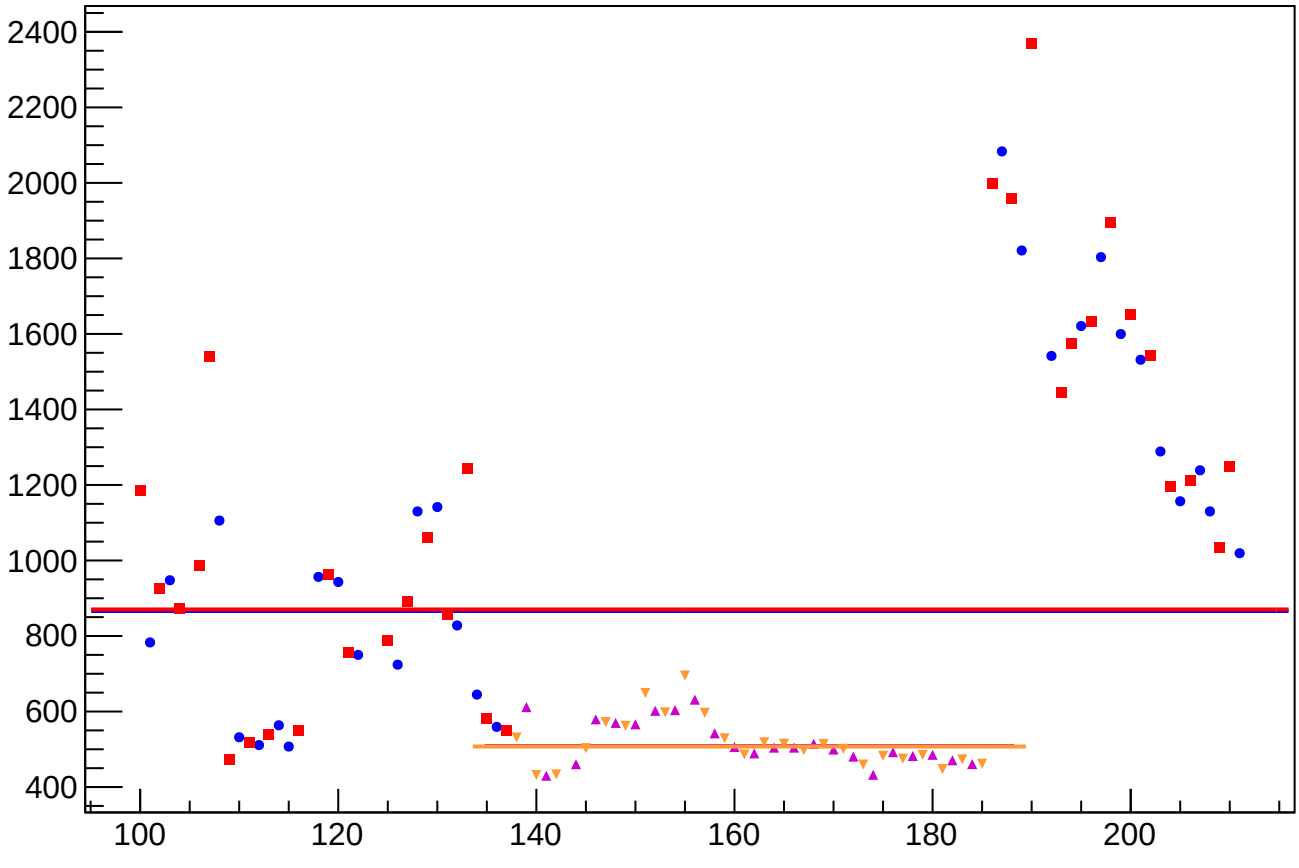
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 65.878+/-162.134 χ^2/NDF: 73.7/58

In: -46.687+/-106.197 χ^2/NDF:69.2/50

Out: -228.616+/-105.386 χ^2/NDF:109.5/54

All: -138.350+/-74.804 χ^2/NDF: 180.2/105



Right In: 866.293+/-0.163 χ^2/NDF: 4721635.8/27

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

Right Out: 870.331+/-0.161 χ^2/NDF: 6103739.6/30

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

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

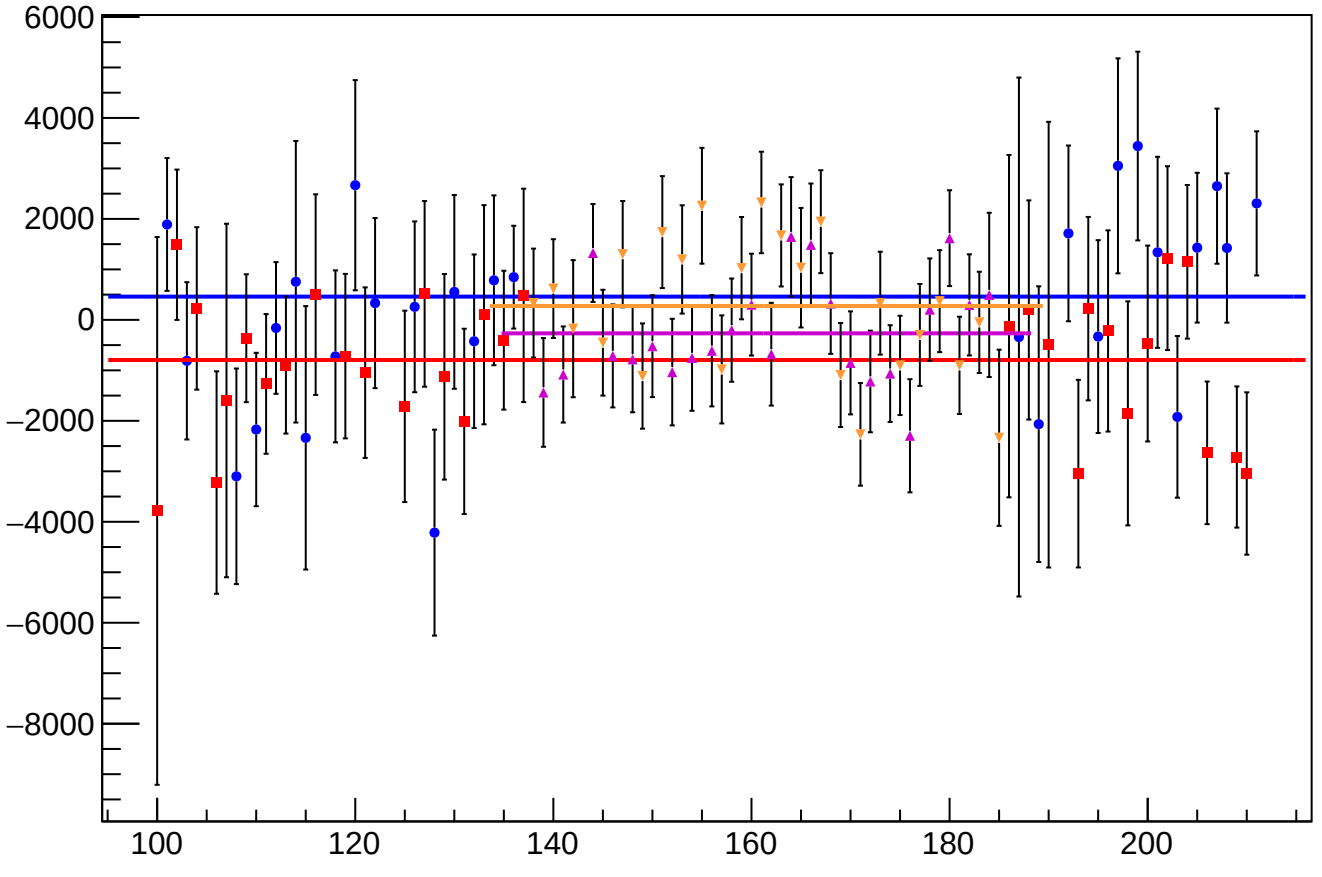
Right: 868.330+/-0.115 χ^2/NDF: 10825685.4/58

In: 584.667+/-0.075 χ^2/NDF:8951217.4/50

Out: 584.696+/-0.075 χ^2/NDF:10557771.7/54

All: 584.682+/-0.053 χ^2/NDF: 19508989.2/10

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 460.495+/-320.620 χ^2/NDF: 28.9/27

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

Right Out: -795.028+/-321.089 χ^2/NDF: 17.6/30

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

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

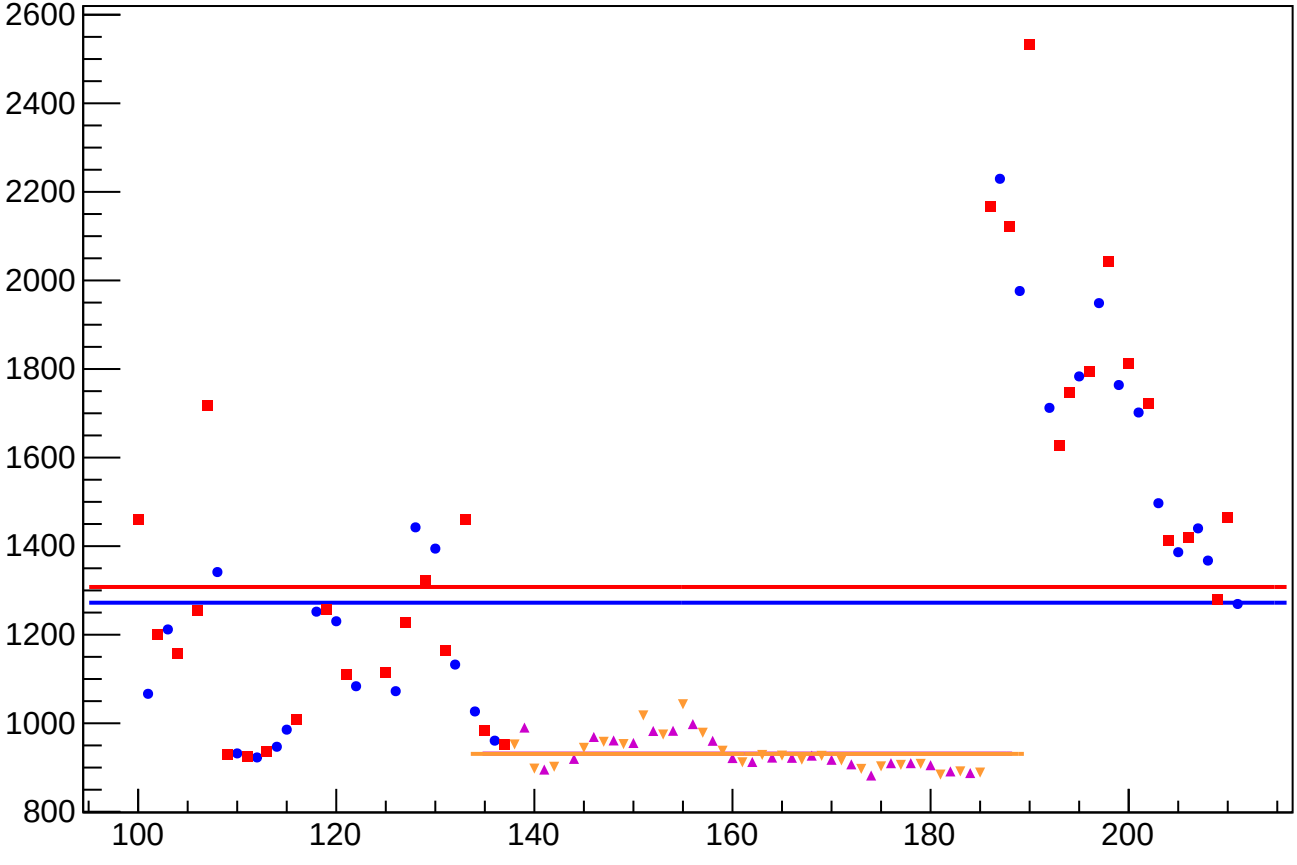
Right: -166.348+/-226.878 χ^2/NDF: 54.2/58

In: -37.498+/-180.097 χ^2/NDF:53.8/50

Out: -58.858+/-179.387 χ^2/NDF:58.9/54

All: -48.220+/-127.096 χ^2/NDF: 112.7/105

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1272.280+/-0.227 χ^2/NDF: 1667991.9/27

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

Right Out: 1307.805+/-0.227 χ^2/NDF: 2188532.0/30

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

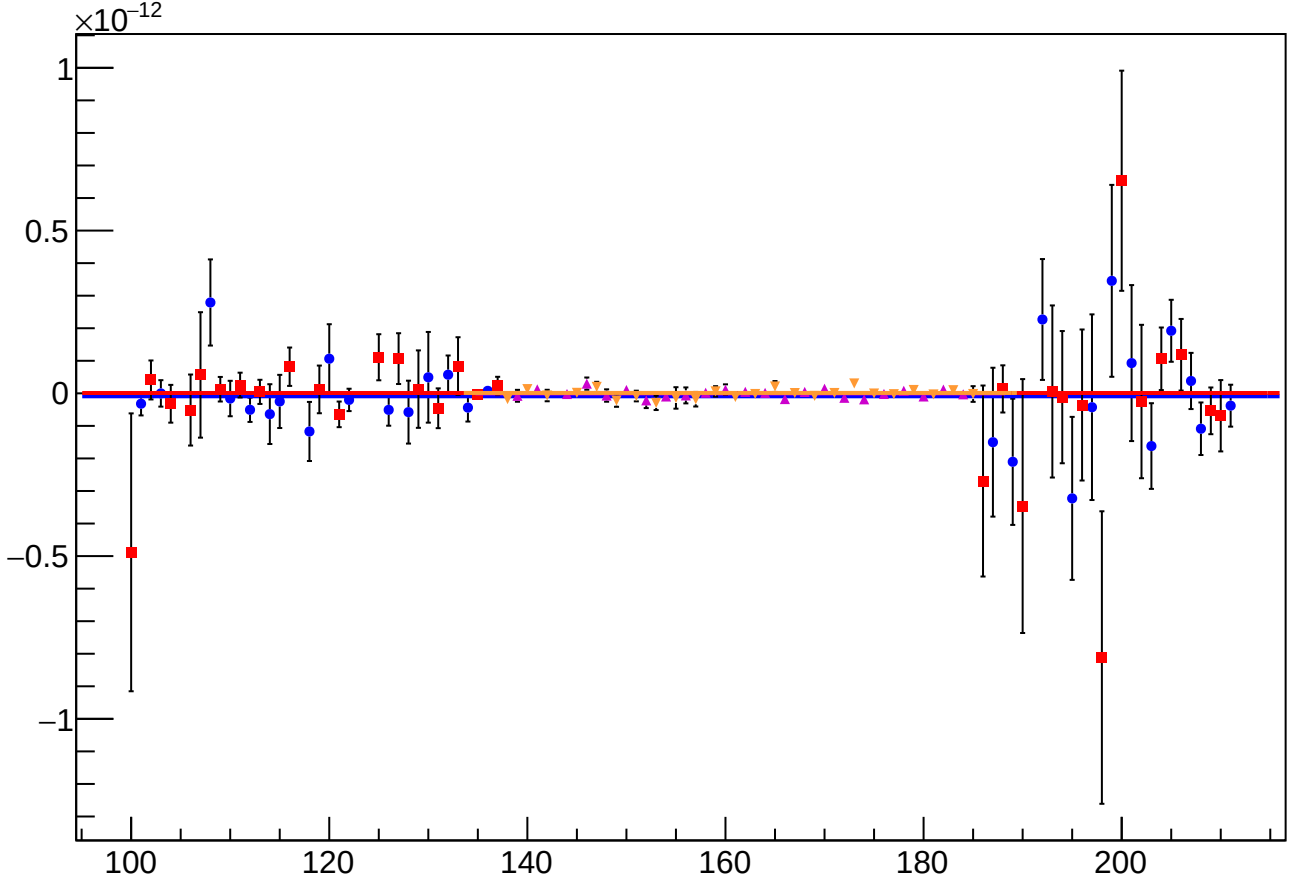
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1290.016+/-0.160 χ^2/NDF: 3868783.1/58

In: 1039.067+/-0.127 χ^2/NDF:3262860.5/50

Out: 1048.557+/-0.127 χ^2/NDF:4145887.7/54

All: 1043.831+/-0.090 χ^2/NDF: 7411535.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/30

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

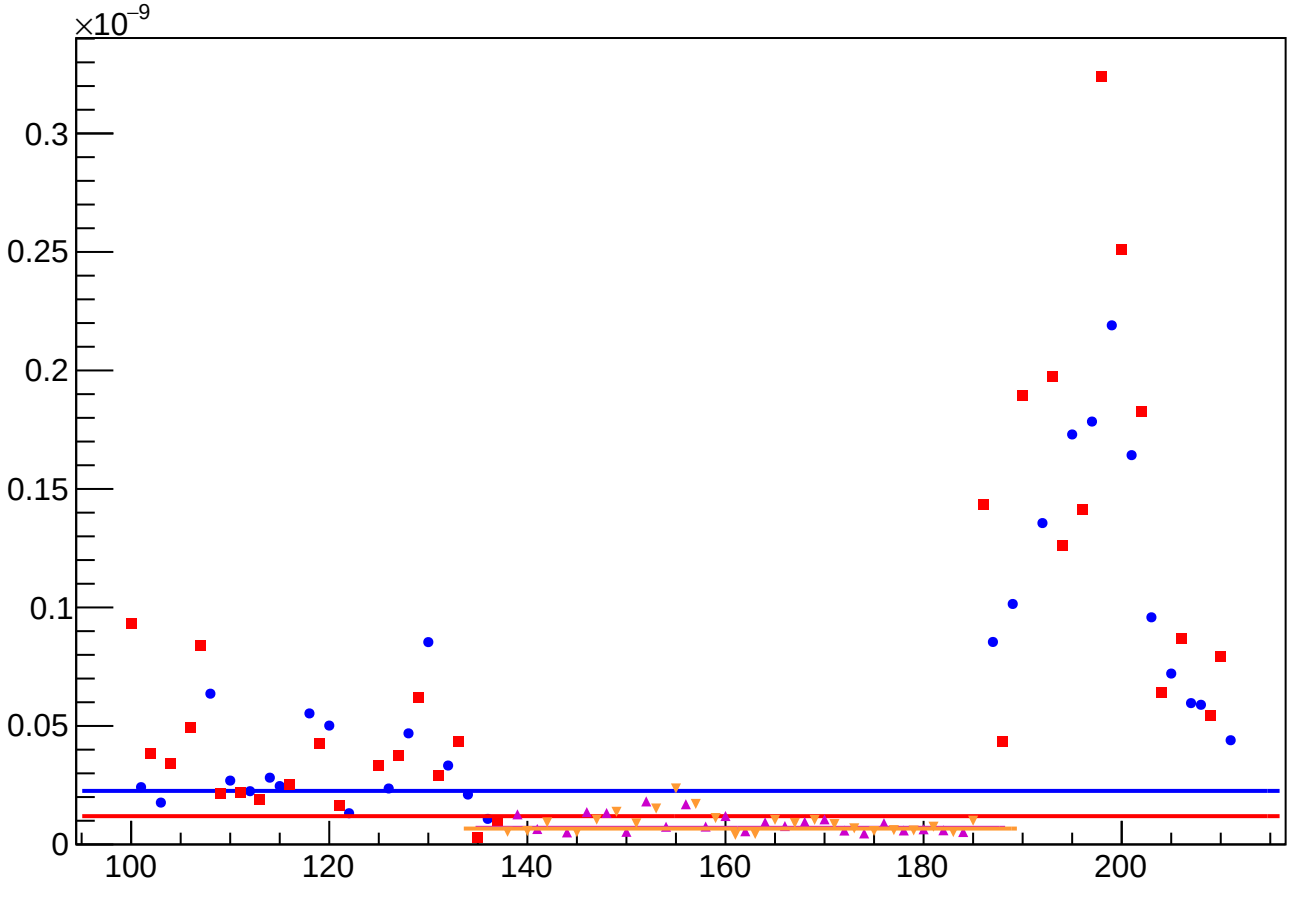
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 55.0/58

In: -0.000+/-0.000 χ^2/NDF:50.8/50

Out: 0.000+/-0.000 χ^2/NDF:52.0/54

All: 0.000+/-0.000 χ^2/NDF: 103.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 8878849.2/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 14827015.2/30

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

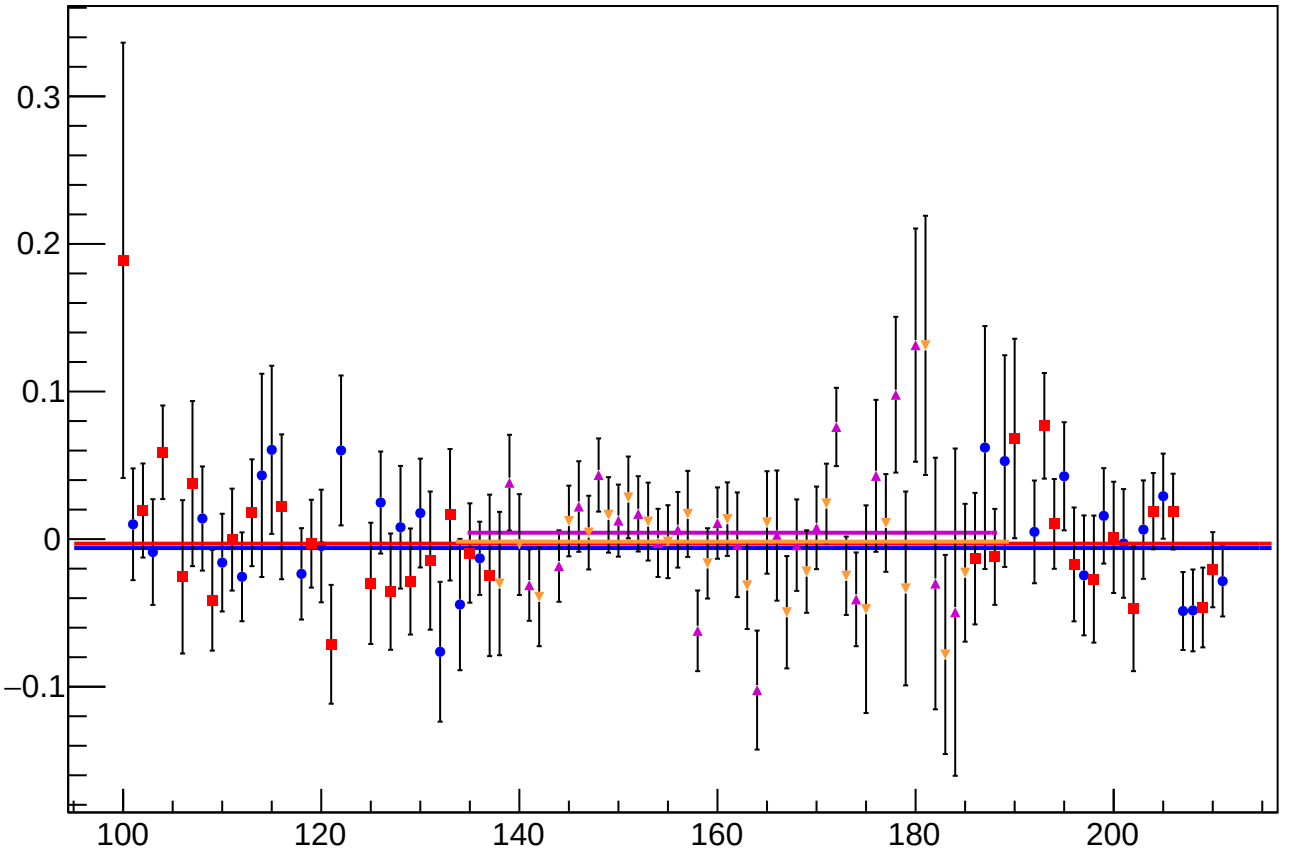
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 25246709.5/58

In: 0.000+/-0.000 χ^2/NDF:16078377.7/50

Out: 0.000+/-0.000 χ^2/NDF:18731372.3/54

All: 0.000+/-0.000 χ^2/NDF: 34906198.2/105



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: -0.003+/-0.007 χ^2/NDF: 25.9/30

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

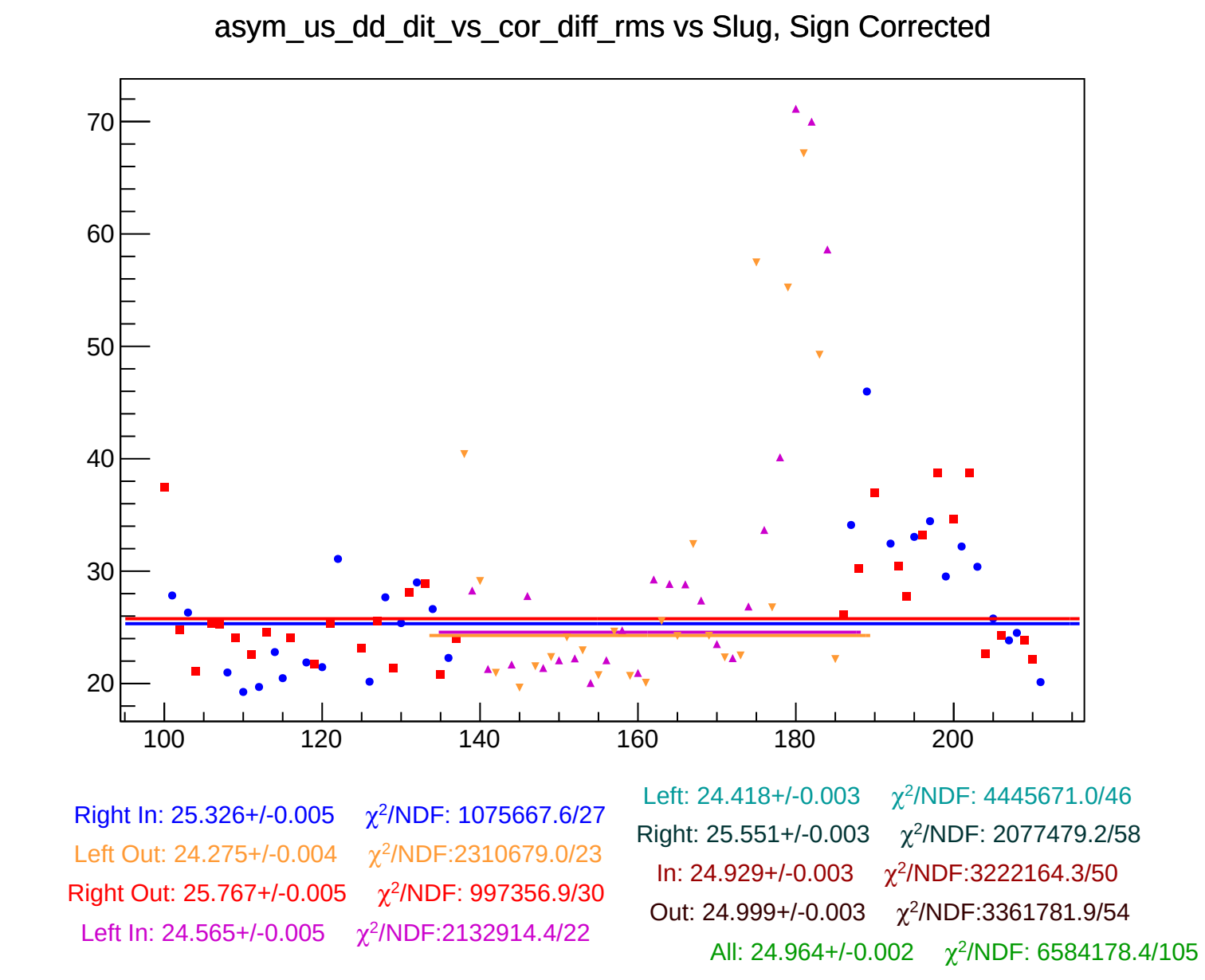
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

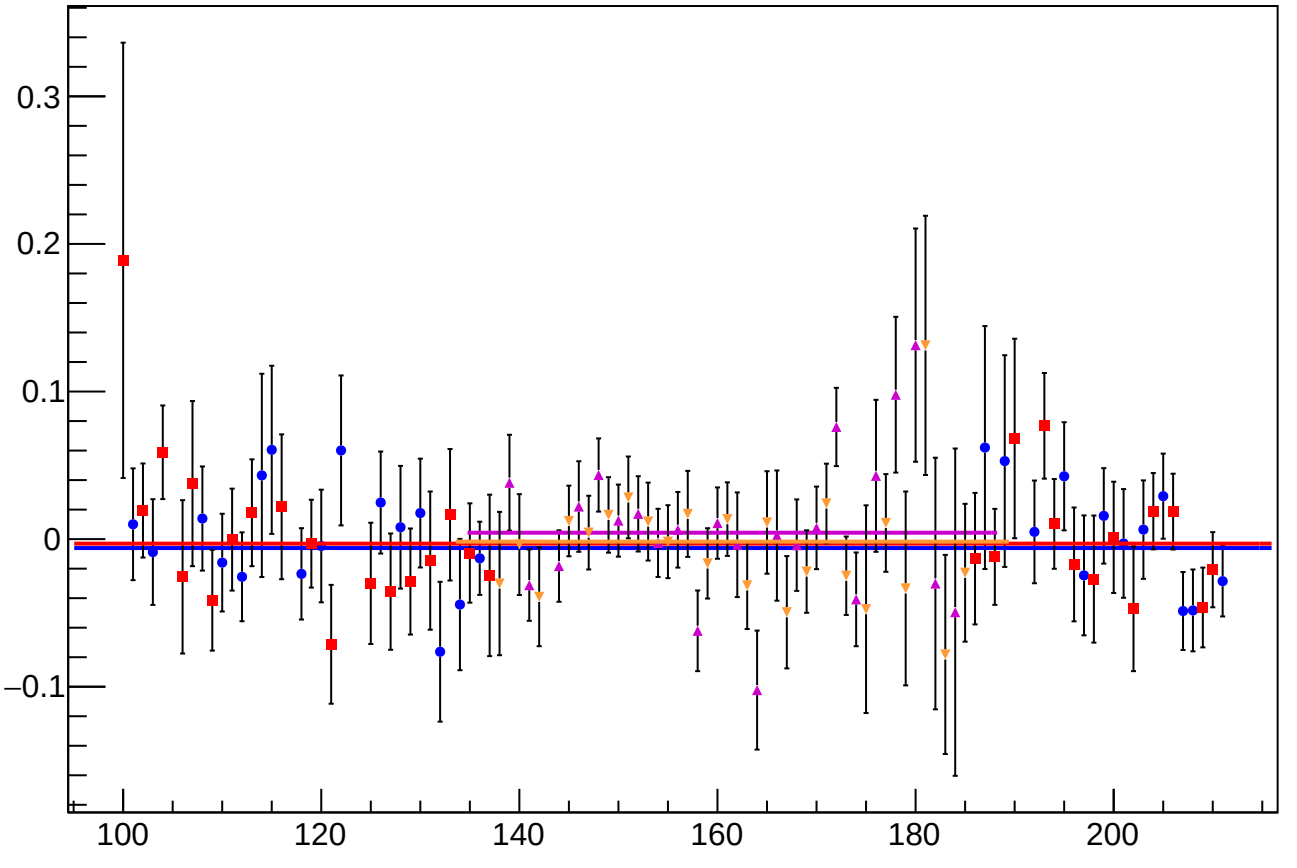
Right: -0.005+/-0.005 χ^2/NDF: 46.6/58

In: -0.001+/-0.005 χ^2/NDF:58.4/50

Out: -0.002+/-0.005 χ^2/NDF:40.6/54

All: -0.002+/-0.003 χ^2/NDF: 99.0/105


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.326+/-0.005 χ²/NDF: 1075667.6/27
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.767+/-0.005 χ²/NDF: 997356.9/30
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 25.551+/-0.003 χ²/NDF: 2077479.2/58
In: 24.929+/-0.003 χ²/NDF:3222164.3/50
Out: 24.999+/-0.003 χ²/NDF:3361781.9/54
All: 24.964+/-0.002 χ²/NDF: 6584178.4/105



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: -0.003+/-0.007 χ^2/NDF: 25.9/30

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

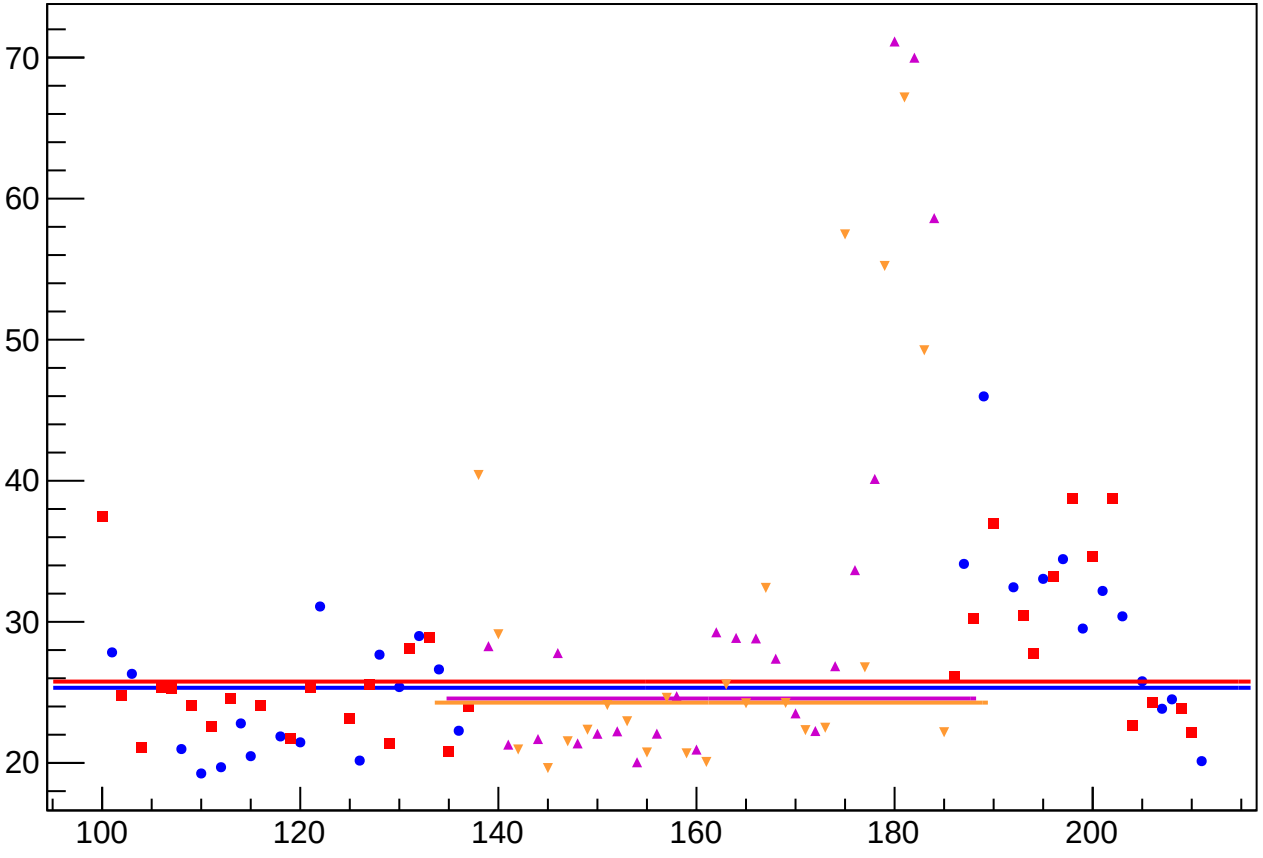
Right: -0.005+/-0.005 χ^2/NDF: 46.6/58

In: -0.001+/-0.005 χ^2/NDF:58.4/50

Out: -0.002+/-0.005 χ^2/NDF:40.6/54

All: -0.002+/-0.003 χ^2/NDF: 99.0/105

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.326+/-0.005 χ^2/NDF: 1075667.6/27

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

Right Out: 25.767+/-0.005 χ^2/NDF: 997356.9/30

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

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

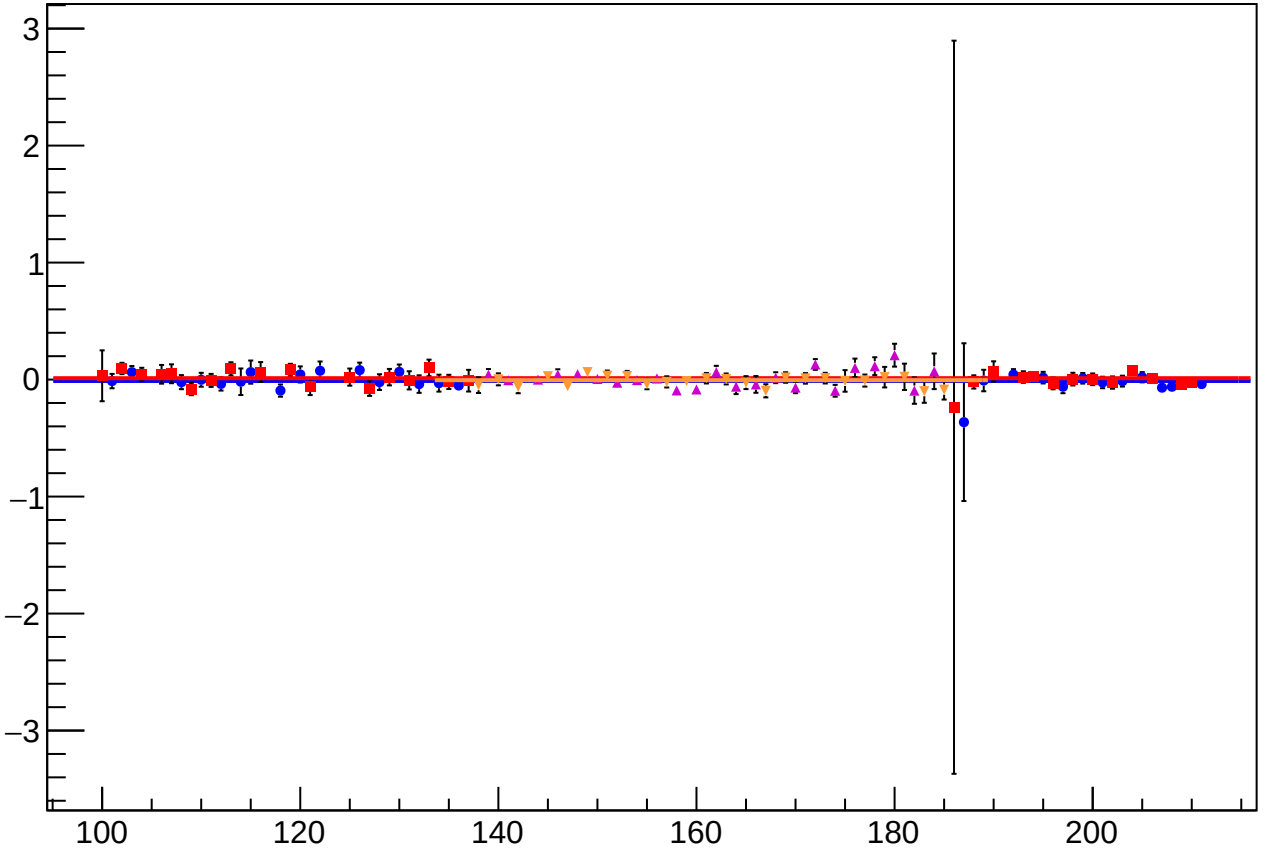
Right: 25.551+/-0.003 χ^2/NDF: 2077479.2/58

In: 24.929+/-0.003 χ^2/NDF:3222164.3/50

Out: 24.999+/-0.003 χ^2/NDF:3361781.9/54

All: 24.964+/-0.002 χ^2/NDF: 6584178.4/105

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.011 χ^2/NDF: 19.1/27

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

Right Out: 0.012+/-0.010 χ^2/NDF: 23.0/30

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

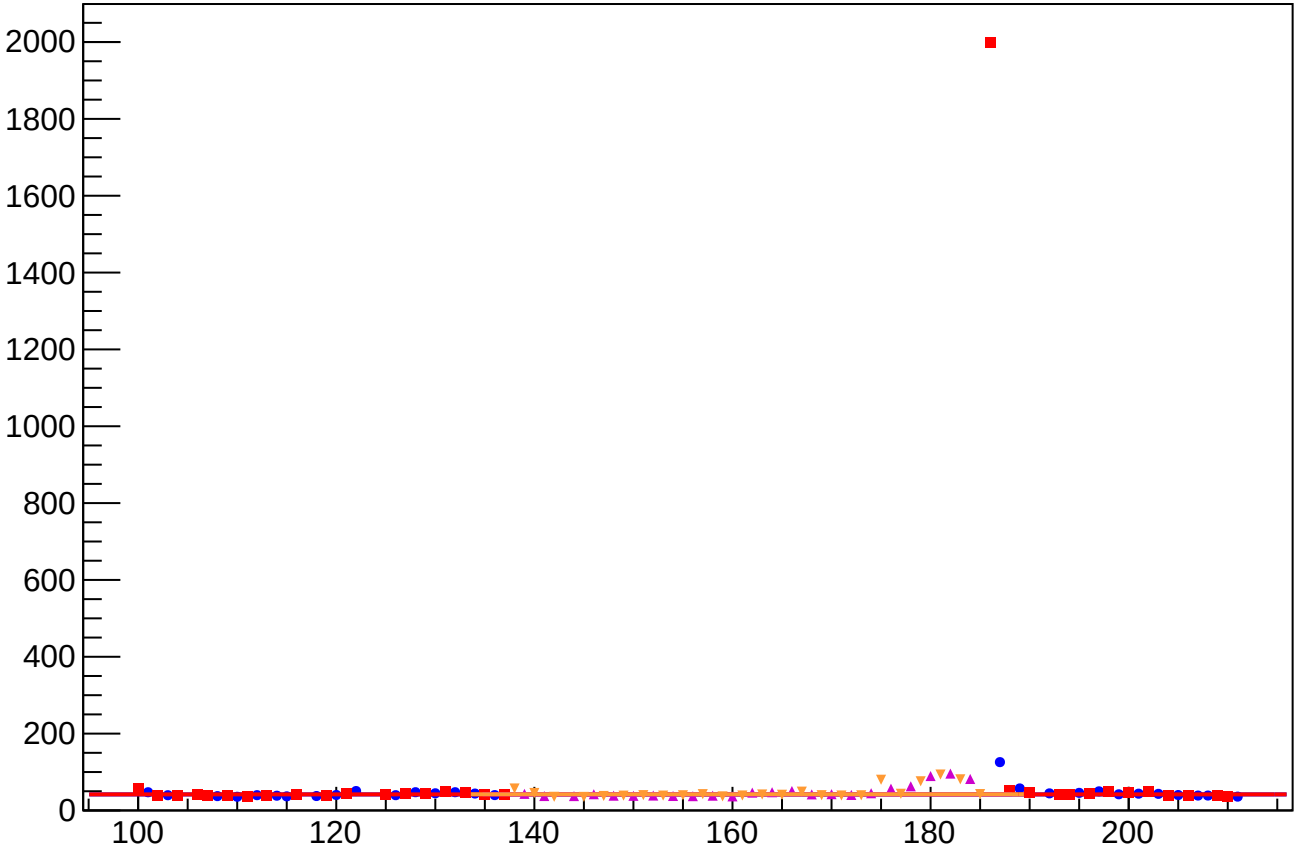
Right: 0.000+/-0.007 χ^2/NDF: 44.6/58

In: -0.006+/-0.007 χ^2/NDF:57.7/50

Out: 0.003+/-0.007 χ^2/NDF:38.2/54

All: -0.001+/-0.005 χ^2/NDF: 96.6/105

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.702+/-0.007 χ^2/NDF: 353013.8/27

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

Right Out: 41.857+/-0.007 χ^2/NDF: 1105113.9/30

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

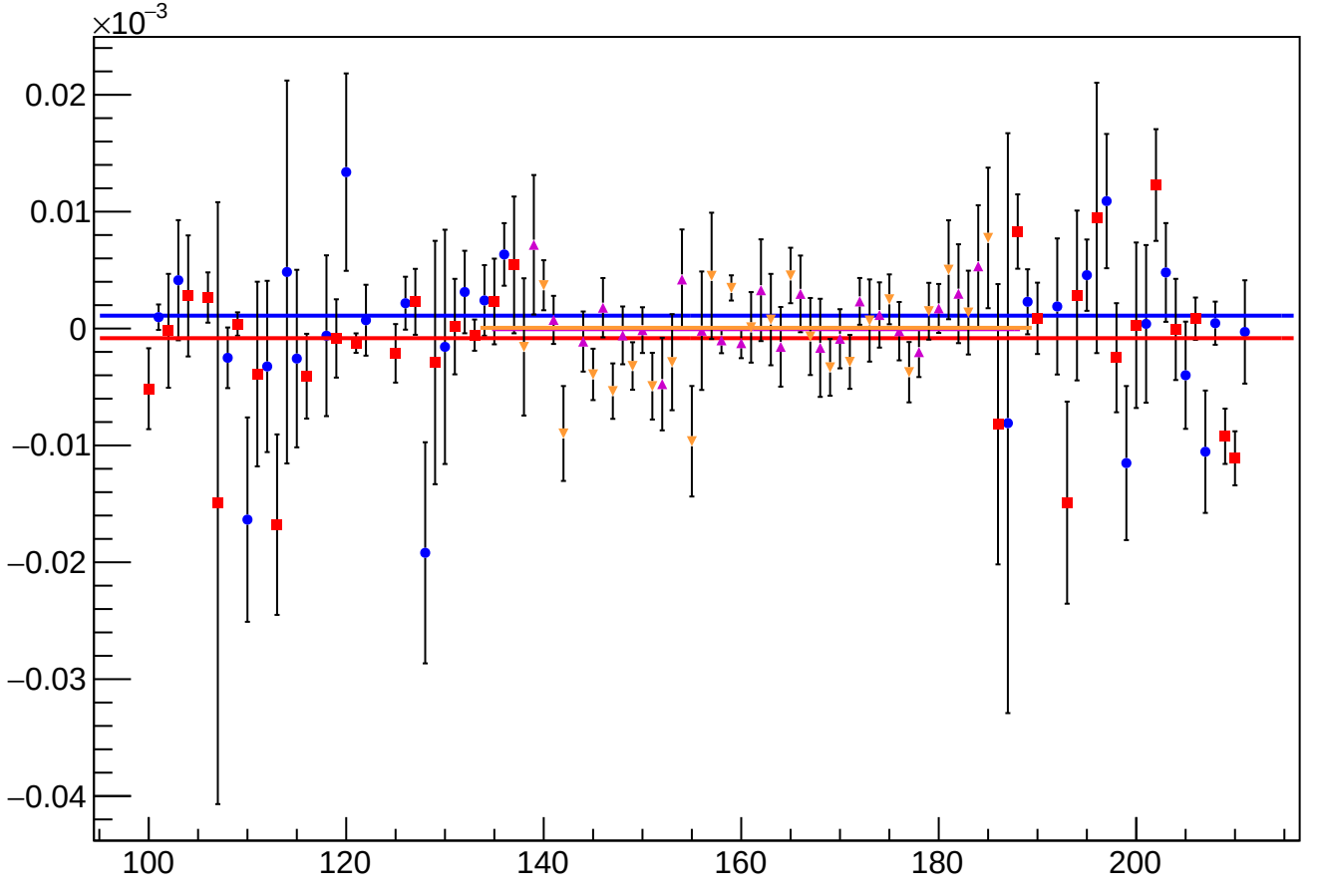
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.781+/-0.005 χ^2/NDF: 1458349.6/58

In: 41.893+/-0.005 χ^2/NDF:1897804.5/50

Out: 41.972+/-0.005 χ^2/NDF:2821656.8/54

All: 41.933+/-0.004 χ^2/NDF: 4719576.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/27

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

Right Out: -0.000+/-0.000 χ^2/NDF: 69.0/30

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

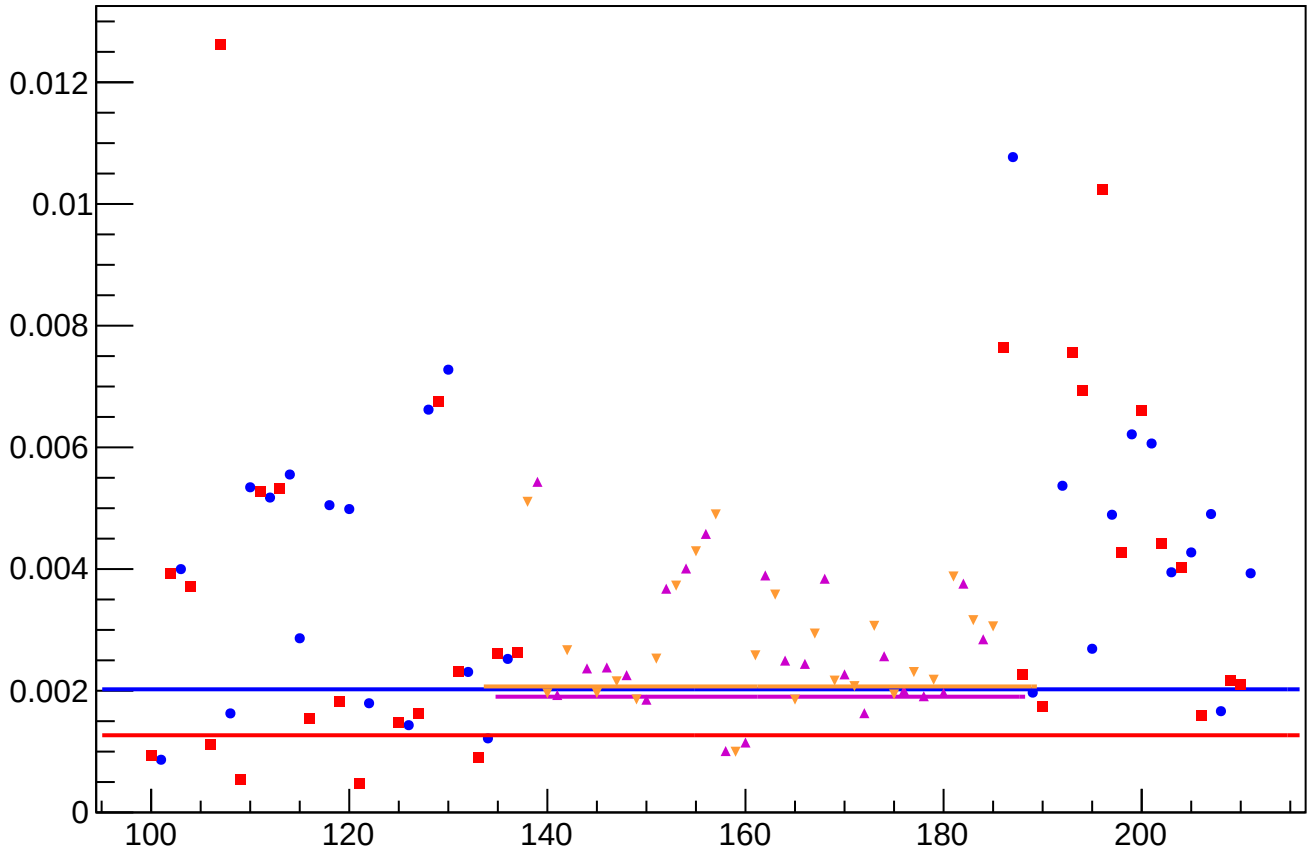
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 109.1/58

In: 0.000+/-0.000 χ^2/NDF:48.9/50

Out: -0.000+/-0.000 χ^2/NDF:122.3/54

All: -0.000+/-0.000 χ^2/NDF: 173.9/105



Right In: 0.002+/-0.000 χ^2/NDF: 10395472.4/27

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

Right Out: 0.001+/-0.000 χ^2/NDF: 15292759.2/30

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

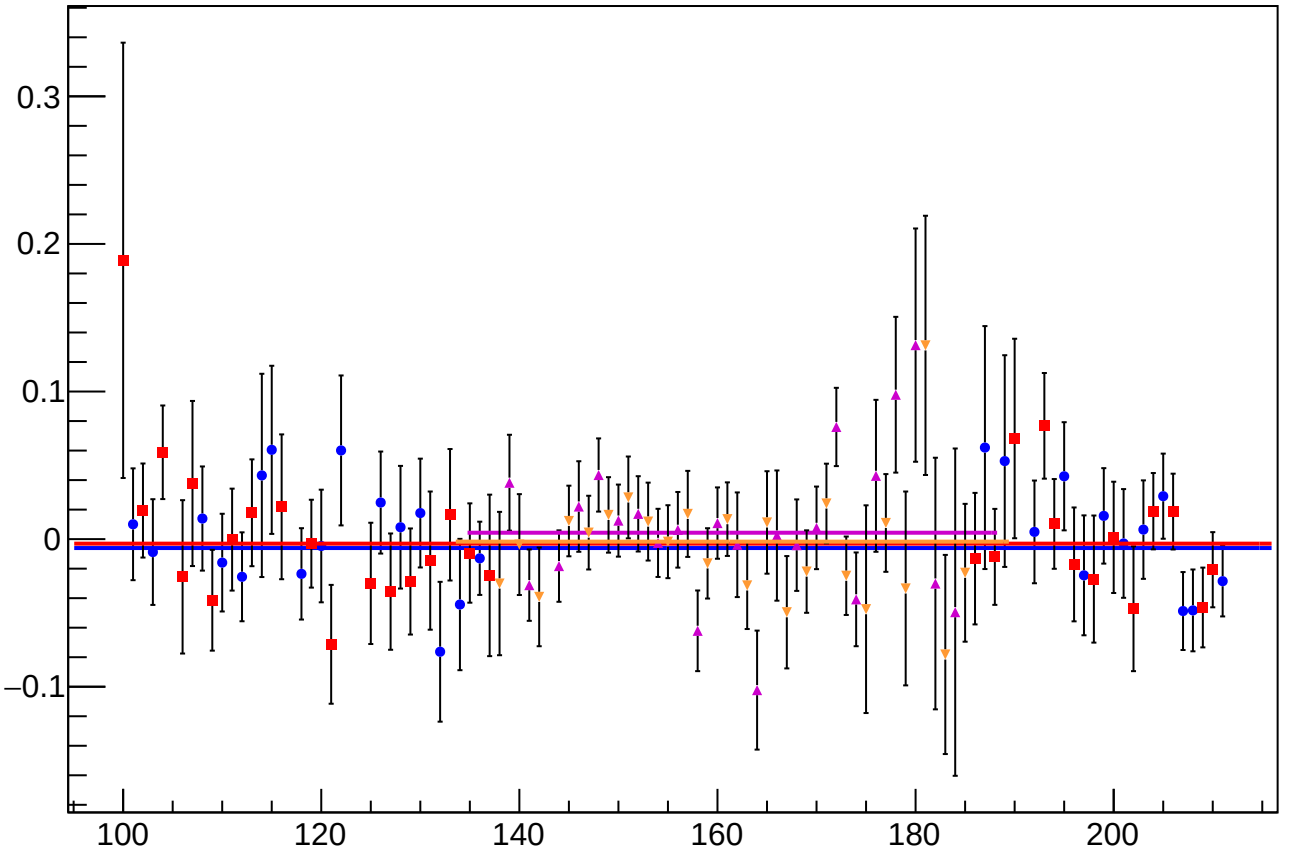
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 27658501.6/58

In: 0.002+/-0.000 χ^2/NDF:16378455.1/50

Out: 0.002+/-0.000 χ^2/NDF:23295627.9/54

All: 0.002+/-0.000 χ^2/NDF: 40595118.9/105



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: -0.003+/-0.007 χ^2/NDF: 25.9/30

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

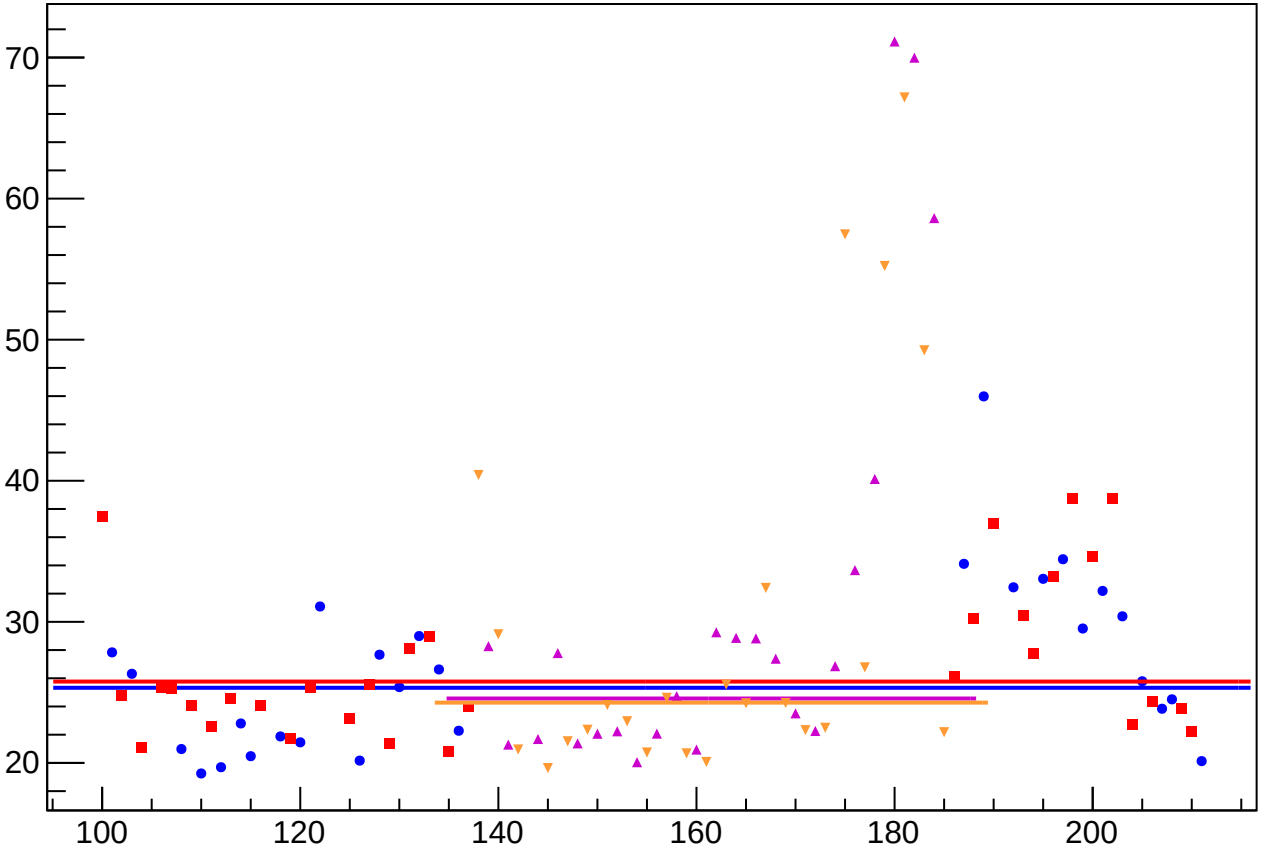
Right: -0.005+/-0.005 χ^2/NDF: 46.6/58

In: -0.001+/-0.005 χ^2/NDF:58.4/50

Out: -0.002+/-0.005 χ^2/NDF:40.6/54

All: -0.002+/-0.003 χ^2/NDF: 99.0/105

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.326+/-0.005 χ^2/NDF: 1075601.0/27

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

Right Out: 25.767+/-0.005 χ^2/NDF: 997277.0/30

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

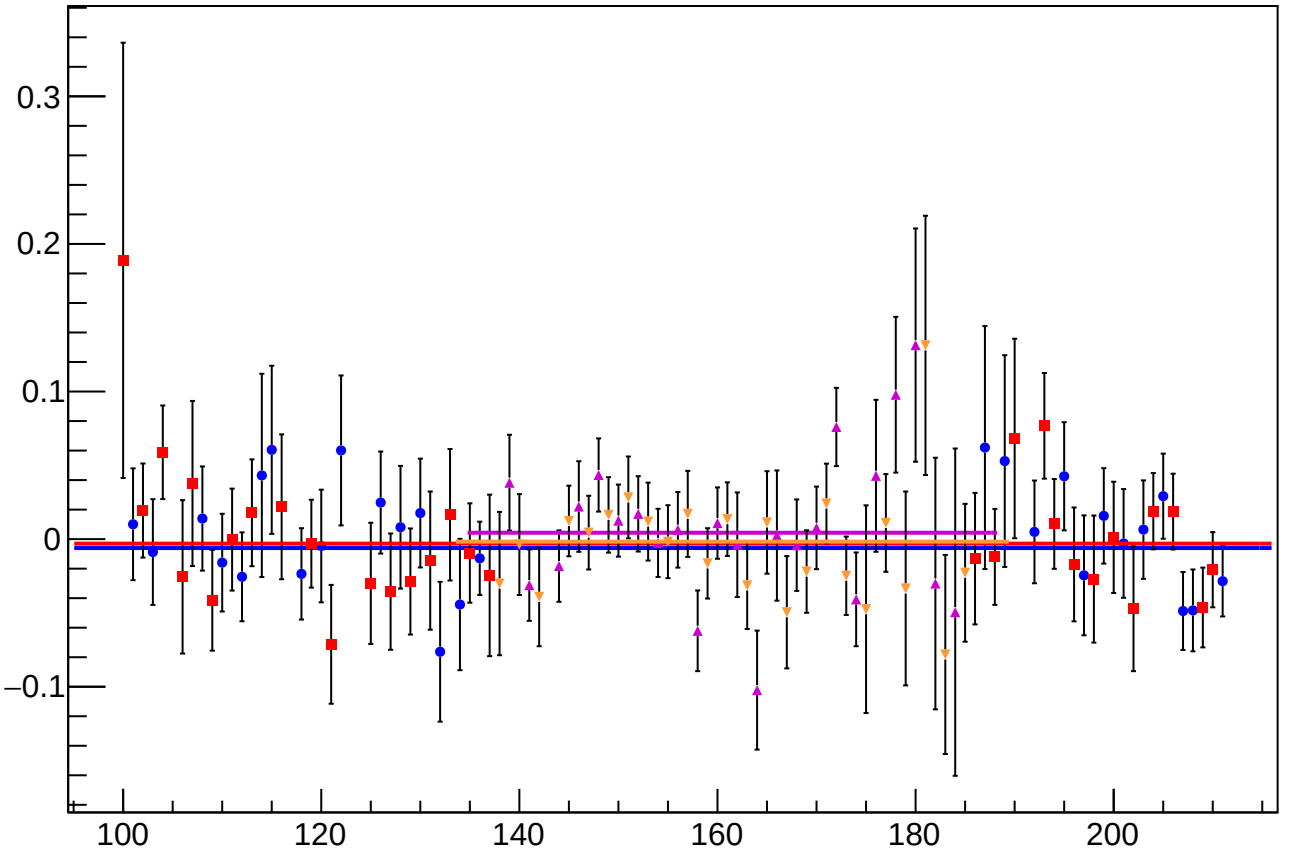
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 25.551+/-0.003 χ^2/NDF: 2077342.8/58

In: 24.929+/-0.003 χ^2/NDF:3221943.3/50

Out: 24.999+/-0.003 χ^2/NDF:3361721.9/54

All: 24.964+/-0.002 χ^2/NDF: 6583898.1/105



Right In: -0.006+/-0.007 χ^2/NDF: 20.6/27

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

Right Out: -0.003+/-0.007 χ^2/NDF: 25.9/30

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

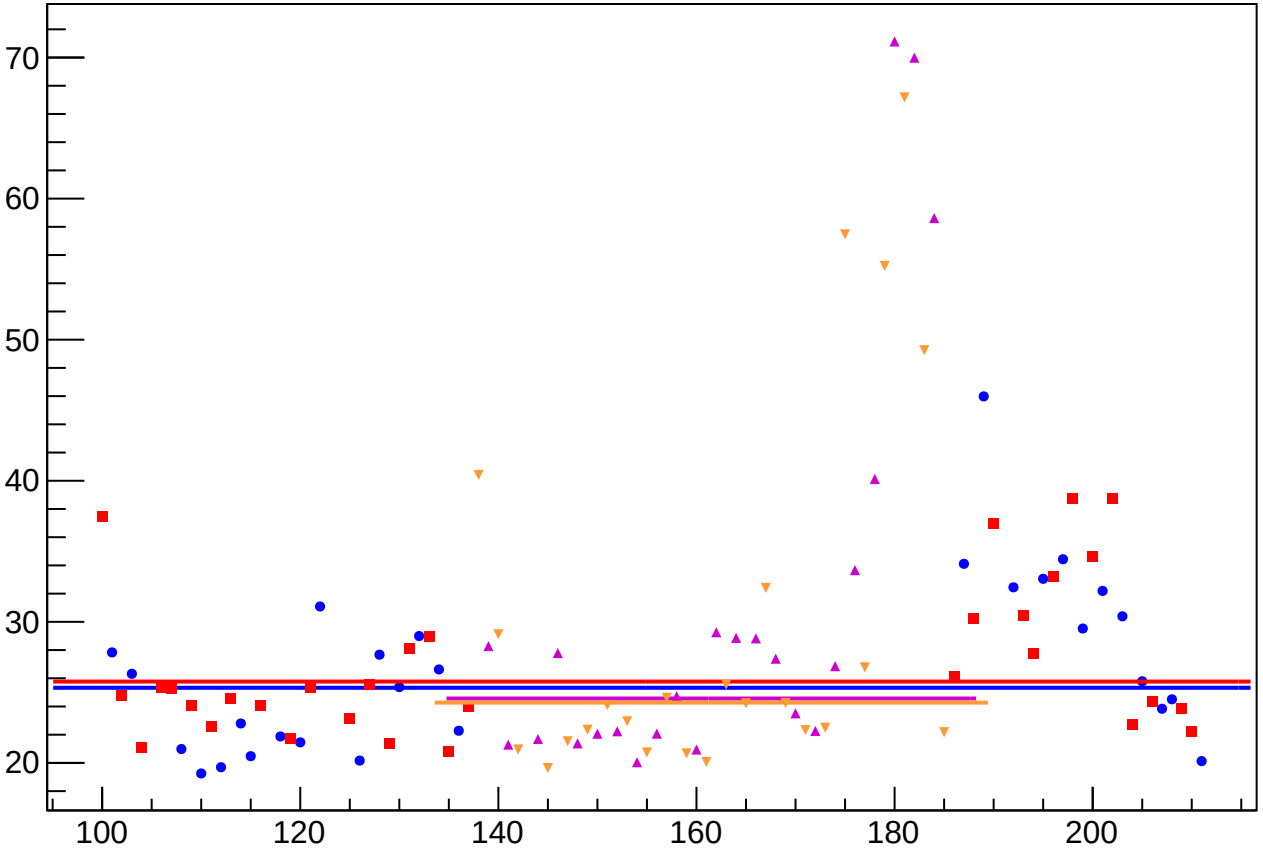
Right: -0.005+/-0.005 χ^2/NDF: 46.6/58

In: -0.001+/-0.005 χ^2/NDF:58.4/50

Out: -0.002+/-0.005 χ^2/NDF:40.6/54

All: -0.002+/-0.003 χ^2/NDF: 99.0/105

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.326+/-0.005 χ^2/NDF: 1075601.0/27

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

Right Out: 25.767+/-0.005 χ^2/NDF: 997277.0/30

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

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

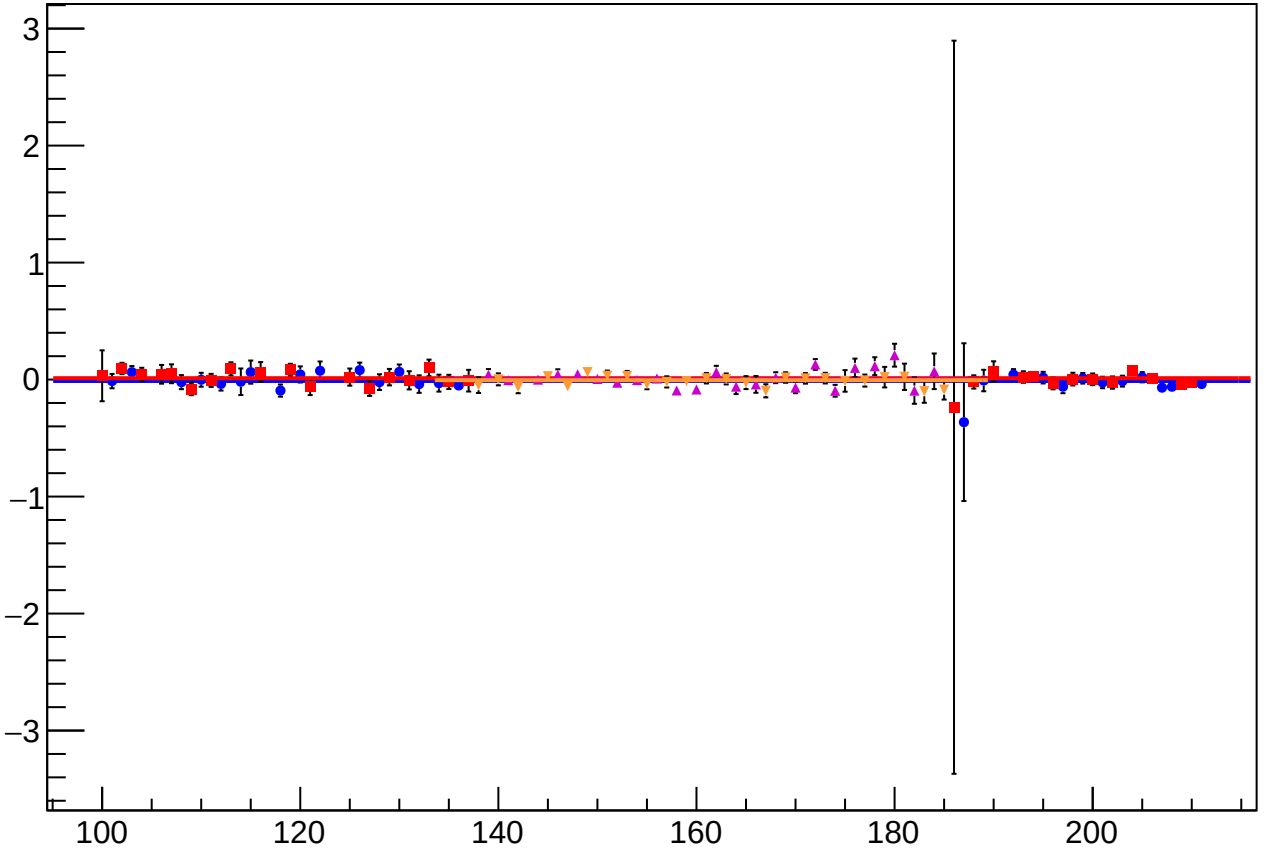
Right: 25.551+/-0.003 χ^2/NDF: 2077342.8/58

In: 24.929+/-0.003 χ^2/NDF:3221943.3/50

Out: 24.999+/-0.003 χ^2/NDF:3361721.9/54

All: 24.964+/-0.002 χ^2/NDF: 6583898.1/105

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.011 χ^2/NDF: 19.1/27

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

Right Out: 0.012+/-0.010 χ^2/NDF: 23.0/30

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

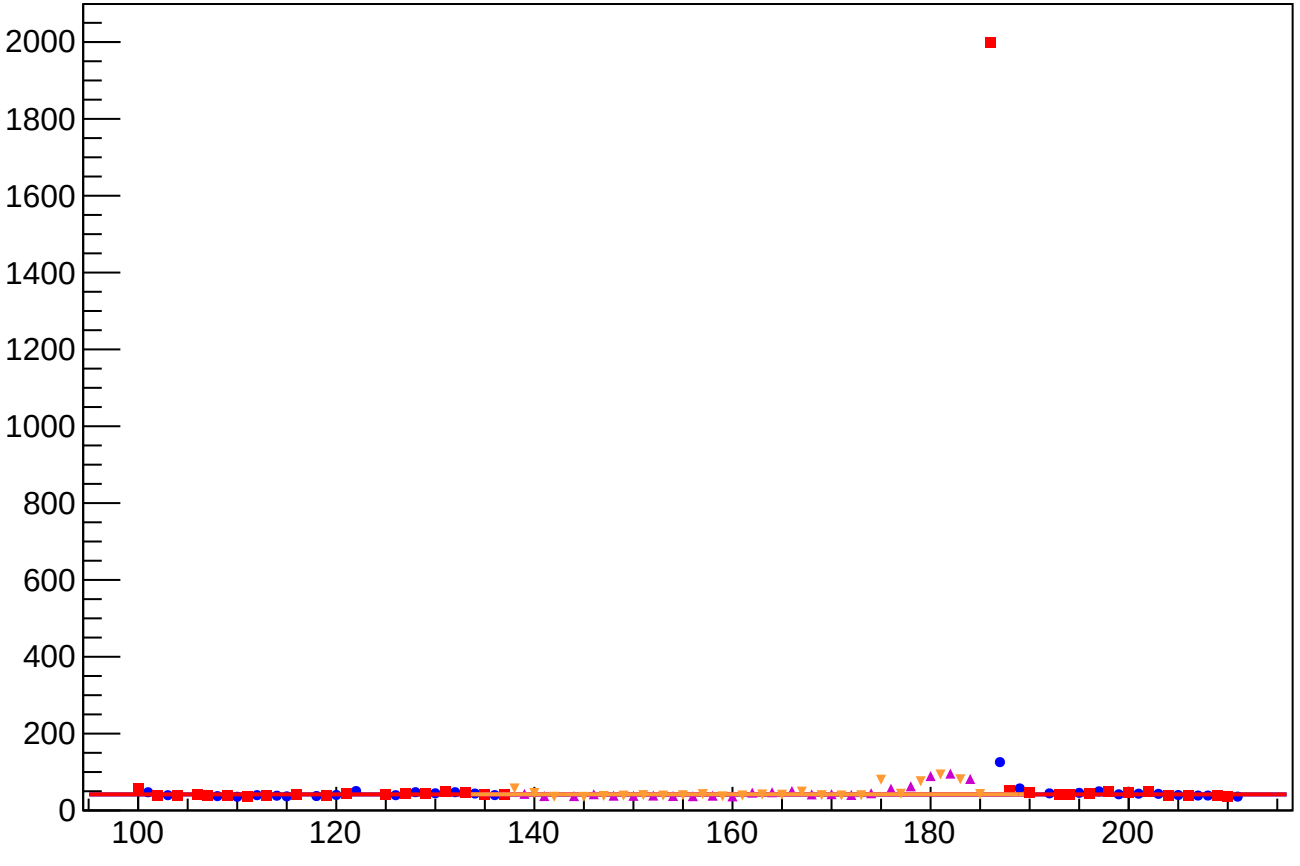
Right: 0.000+/-0.007 χ^2/NDF: 44.6/58

In: -0.006+/-0.007 χ^2/NDF:57.7/50

Out: 0.003+/-0.007 χ^2/NDF:38.2/54

All: -0.001+/-0.005 χ^2/NDF: 96.6/105

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.702+/-0.007 χ^2/NDF: 352958.5/27

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

Right Out: 41.857+/-0.007 χ^2/NDF: 1105106.8/30

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

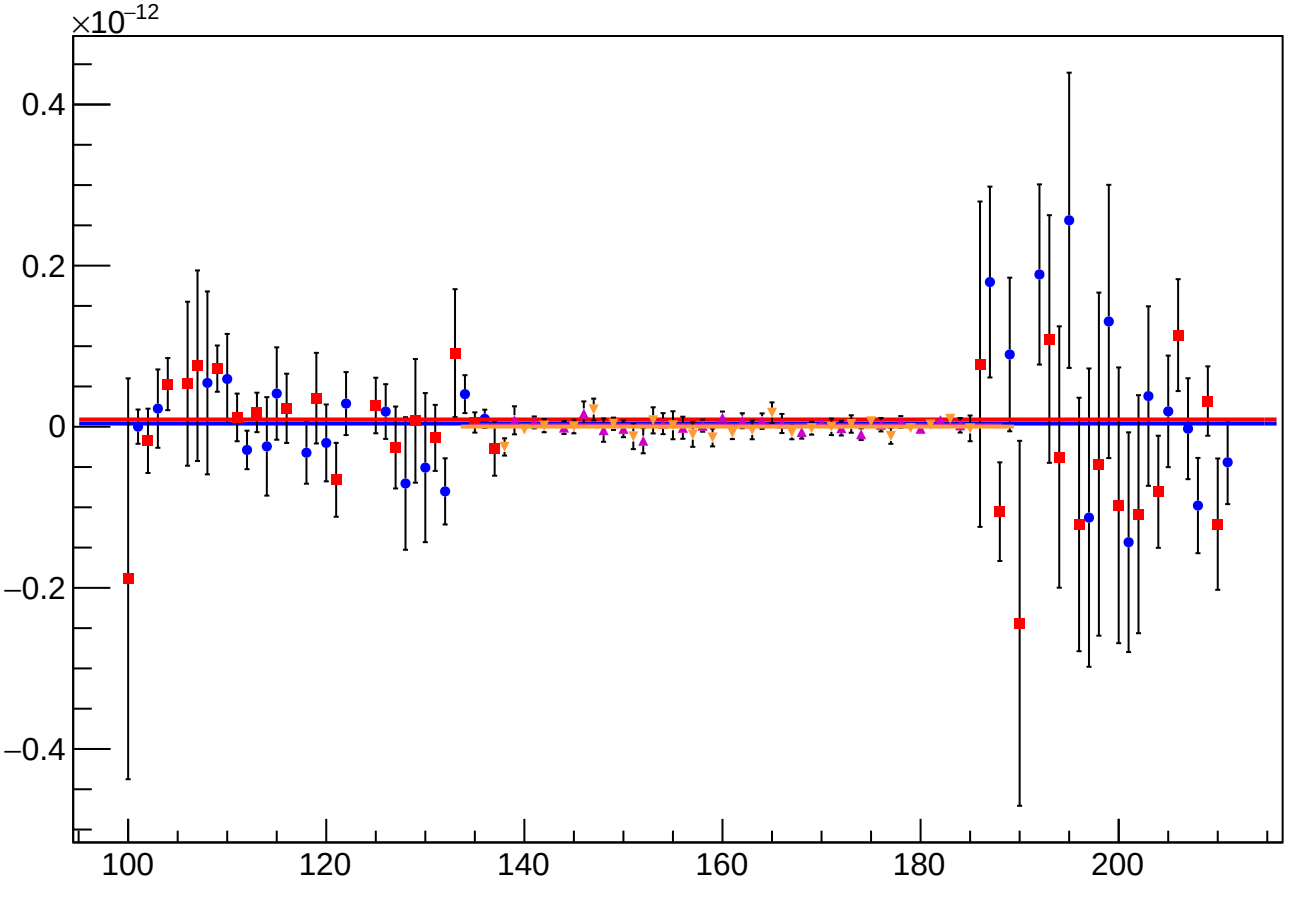
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.781+/-0.005 χ^2/NDF: 1458287.5/58

In: 41.893+/-0.005 χ^2/NDF:1897725.8/50

Out: 41.972+/-0.005 χ^2/NDF:2821640.5/54

All: 41.933+/-0.004 χ^2/NDF: 4719481.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/30

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

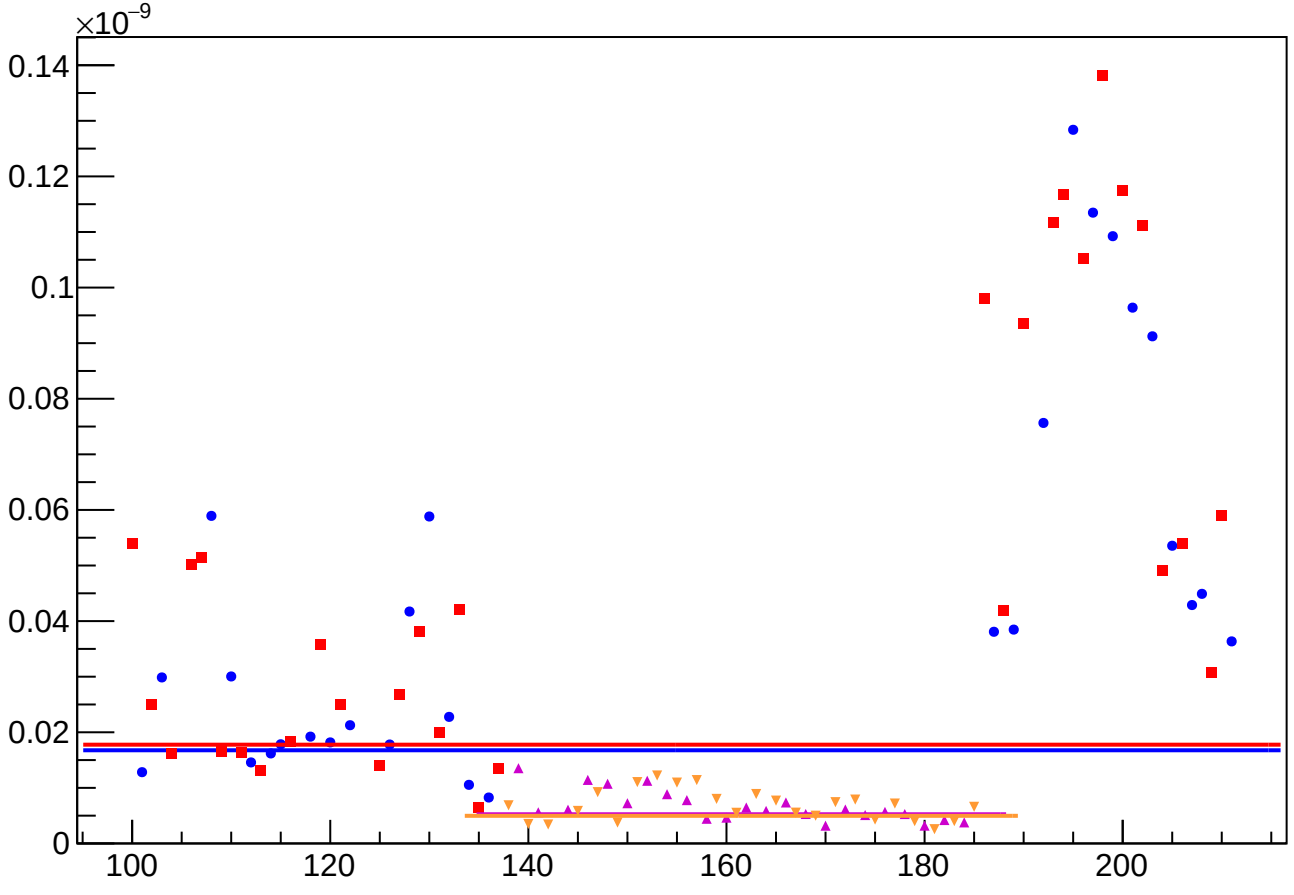
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 56.2/58

In: 0.000+/-0.000 χ^2/NDF:39.2/50

Out: 0.000+/-0.000 χ^2/NDF:51.1/54

All: 0.000+/-0.000 χ^2/NDF: 90.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 8383317.4/27

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9604333.0/30

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

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

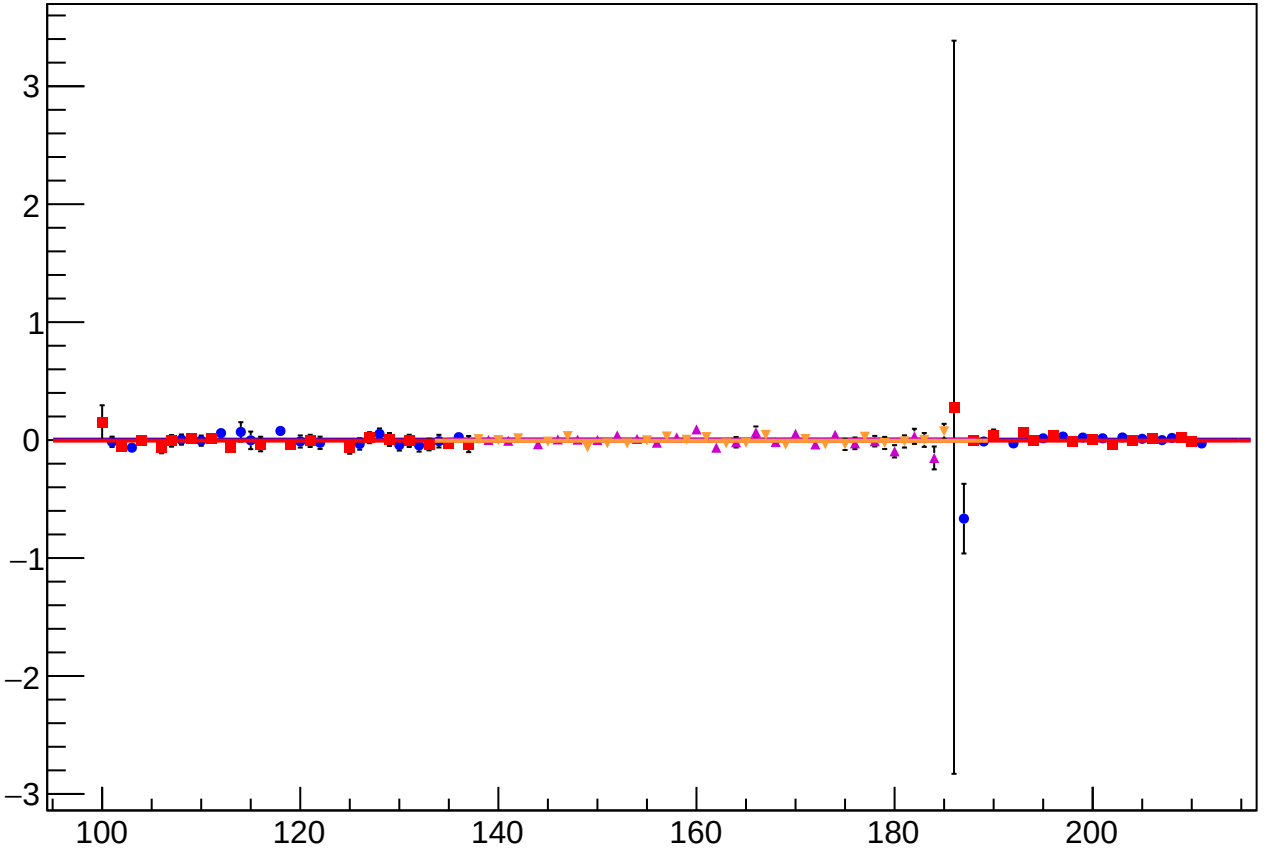
Right: 0.000+/-0.000 χ^2/NDF: 18006850.6/58

In: 0.000+/-0.000 χ^2/NDF:15997718.1/50

Out: 0.000+/-0.000 χ^2/NDF:18788921.2/54

All: 0.000+/-0.000 χ^2/NDF: 34823104.3/105

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 25.7/27

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

Right Out: -0.004+/-0.007 χ^2/NDF: 23.5/30

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

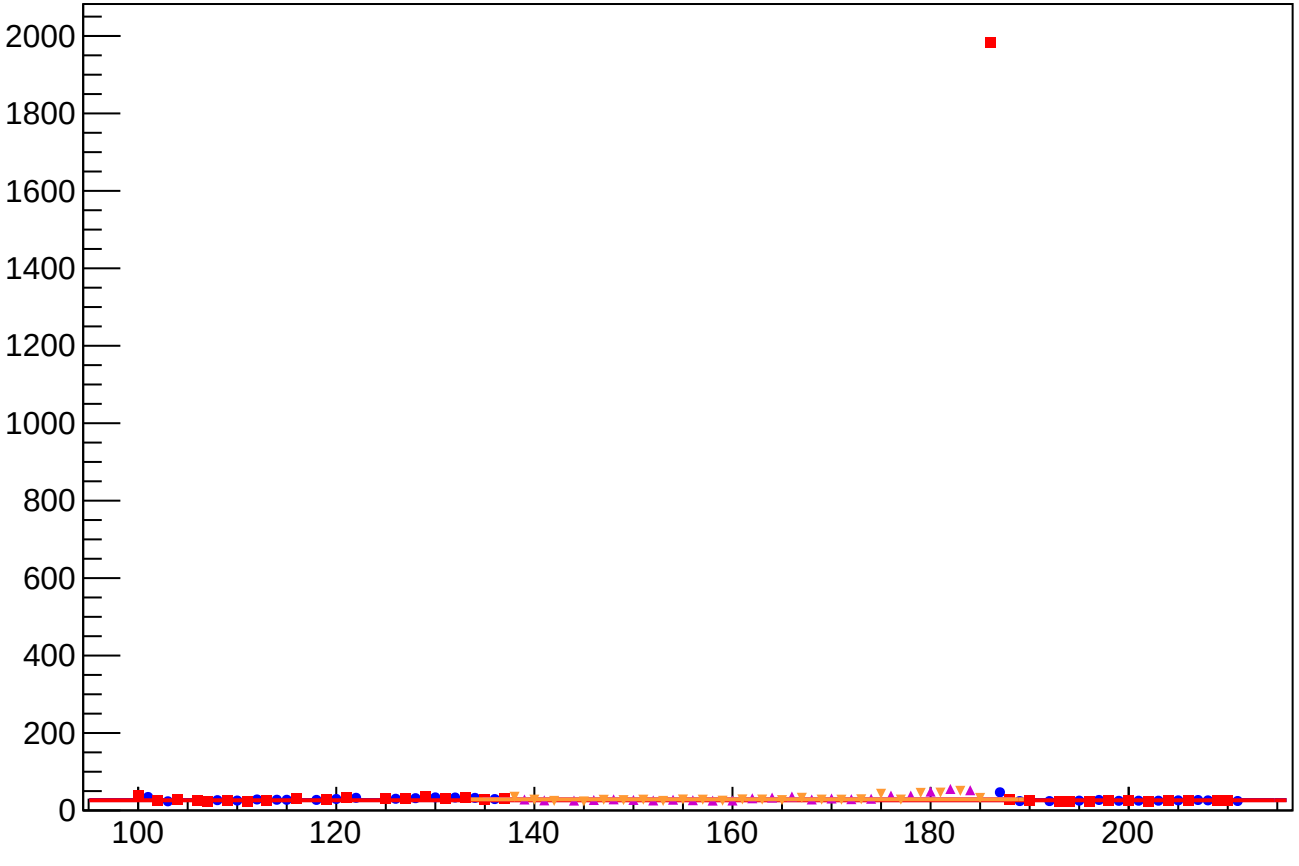
Right: -0.000+/-0.005 χ^2/NDF: 49.9/58

In: 0.004+/-0.005 χ^2/NDF:56.9/50

Out: -0.005+/-0.005 χ^2/NDF:40.3/54

All: -0.001+/-0.003 χ^2/NDF: 98.7/105

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.838+/-0.005 χ^2/NDF: 346454.1/27

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

Right Out: 26.315+/-0.005 χ^2/NDF: 1109513.4/30

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

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

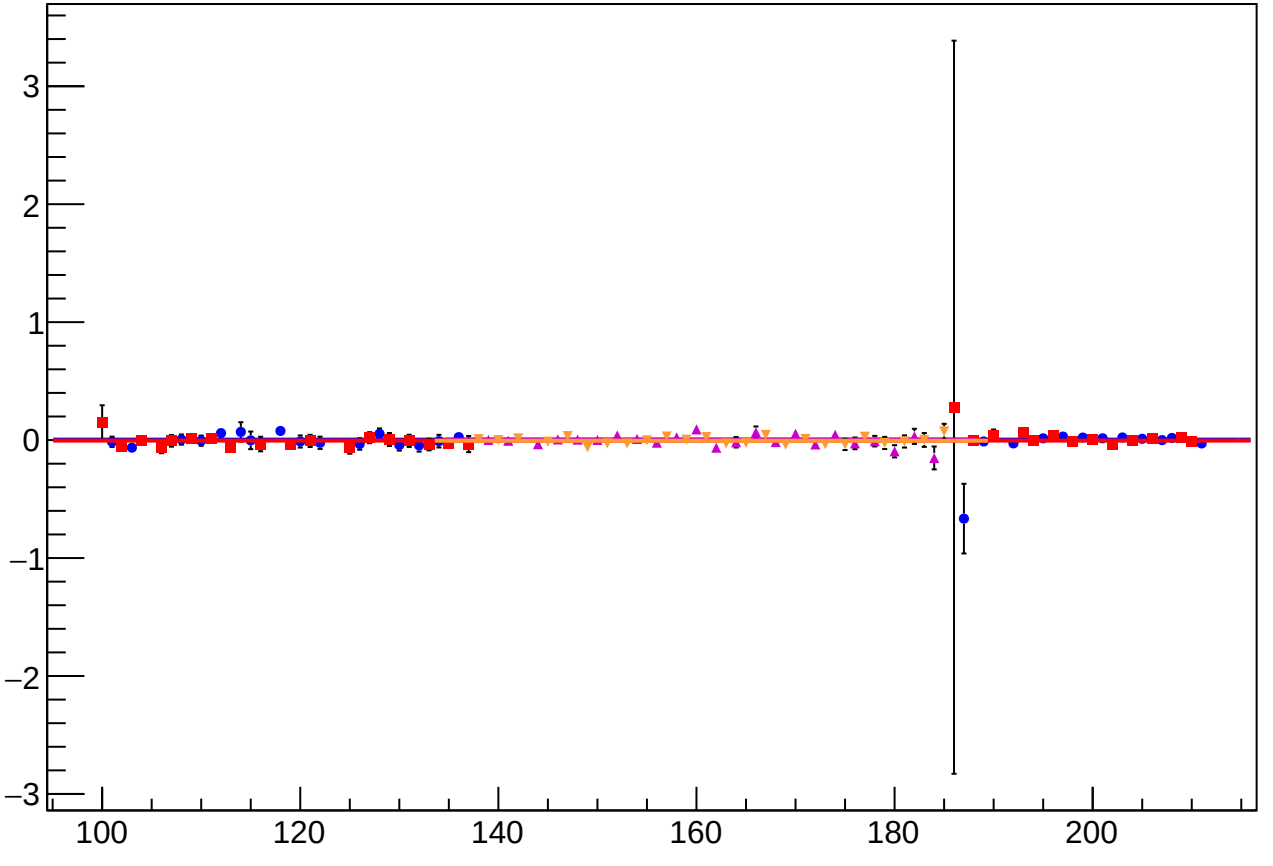
Right: 26.566+/-0.003 χ^2/NDF: 1461946.1/58

In: 27.997+/-0.004 χ^2/NDF:1604748.9/50

Out: 27.469+/-0.003 χ^2/NDF:2409952.8/54

All: 27.725+/-0.002 χ^2/NDF: 4026297.5/105

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 25.7/27

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

Right Out: -0.004+/-0.007 χ^2/NDF: 23.5/30

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

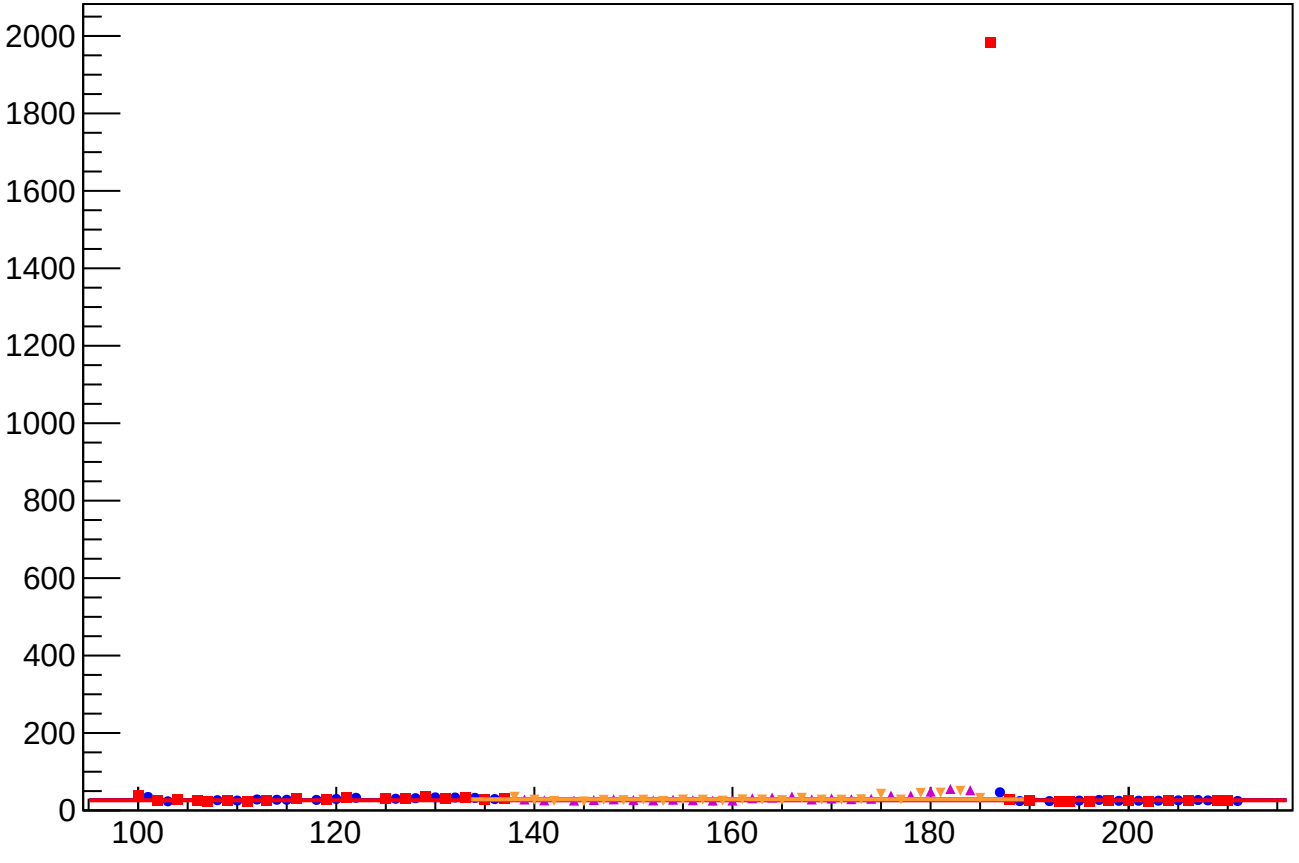
Right: -0.000+/-0.005 χ^2/NDF: 49.9/58

In: 0.004+/-0.005 χ^2/NDF:56.9/50

Out: -0.005+/-0.005 χ^2/NDF:40.3/54

All: -0.001+/-0.003 χ^2/NDF: 98.7/105

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.838+/-0.005 χ^2/NDF: 346454.1/27

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

Right Out: 26.315+/-0.005 χ^2/NDF: 1109513.4/30

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

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

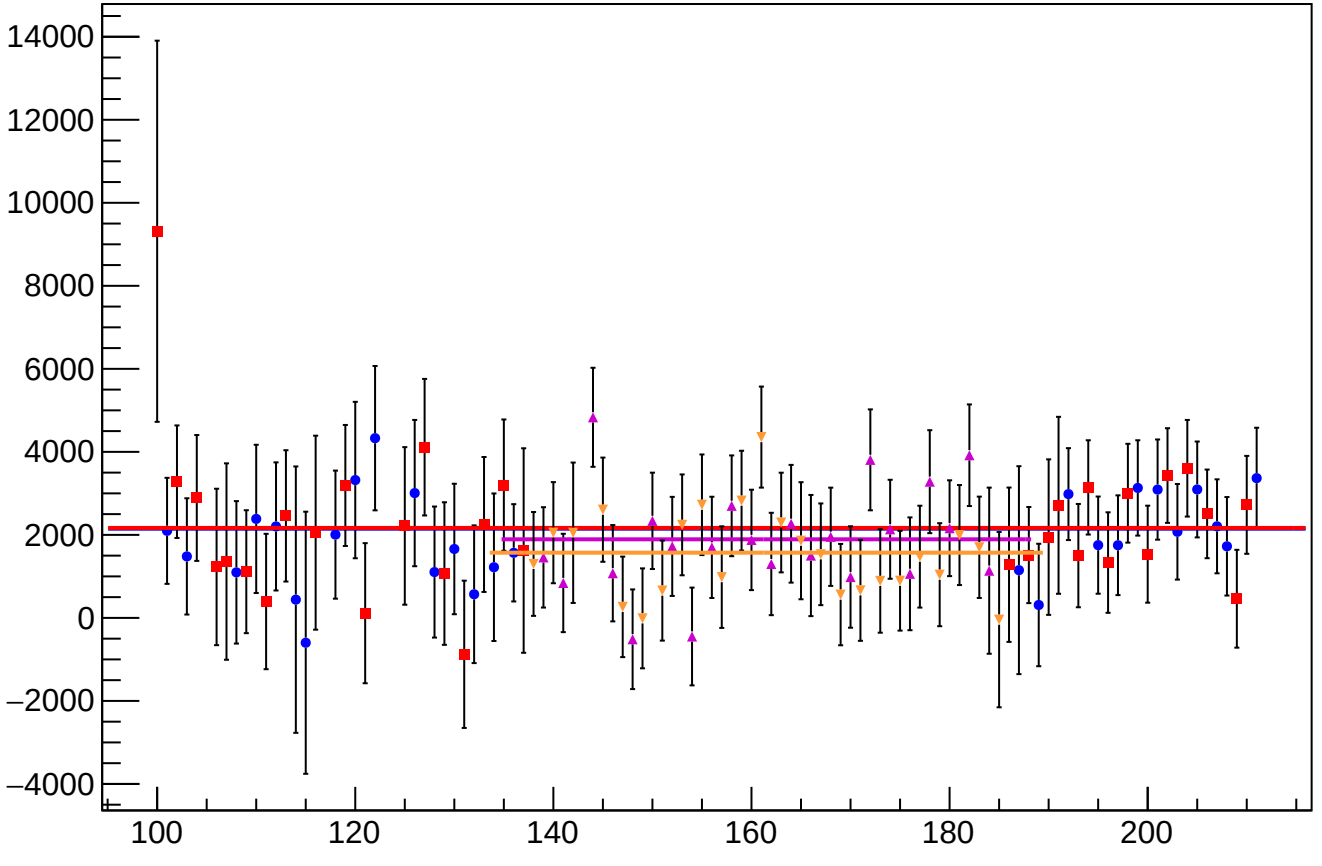
Right: 26.566+/-0.003 χ^2/NDF: 1461946.1/58

In: 27.997+/-0.004 χ^2/NDF:1604748.9/50

Out: 27.469+/-0.003 χ^2/NDF:2409952.8/54

All: 27.725+/-0.002 χ^2/NDF: 4026297.5/105

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2149.741+/-267.858 χ^2/NDF: 11.5/27

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

Right Out: 2167.550+/-259.274 χ^2/NDF: 20.7/31

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

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

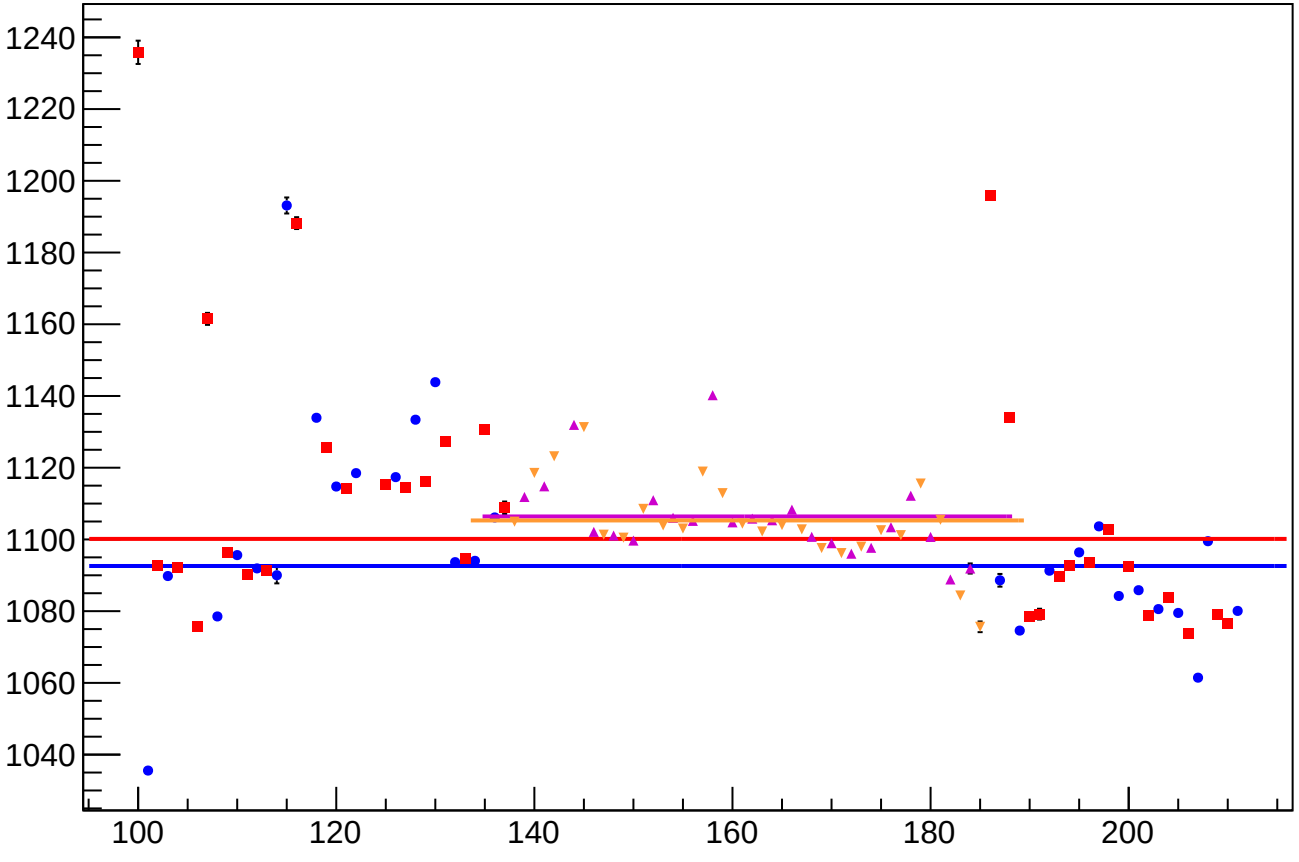
Right: 2158.935+/-186.295 χ^2/NDF: 32.2/59

In: 2016.907+/-185.948 χ^2/NDF:36.1/50

Out: 1866.137+/-182.359 χ^2/NDF:38.7/55

All: 1940.053+/-130.197 χ^2/NDF: 75.1/106

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

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

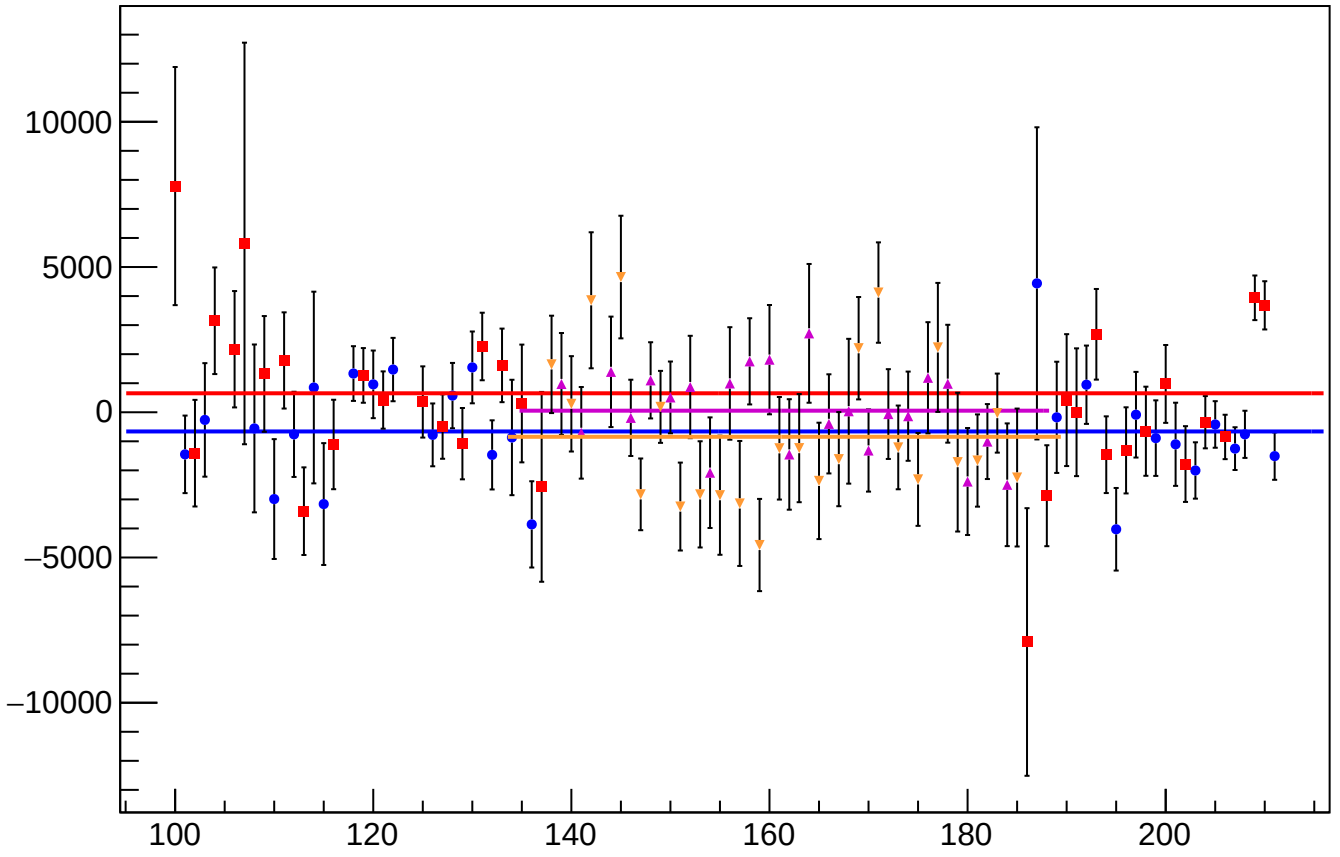
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1096.495+/-0.132 χ^2/NDF: 36831.2/59

In: 1099.750+/-0.131 χ^2/NDF:21914.7/50

Out: 1102.749+/-0.129 χ^2/NDF:24185.6/55

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106



Right In: -660.637+/-230.891 χ^2/NDF: 35.1/27

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

Right Out: 653.286+/-233.889 χ^2/NDF: 78.2/31

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

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

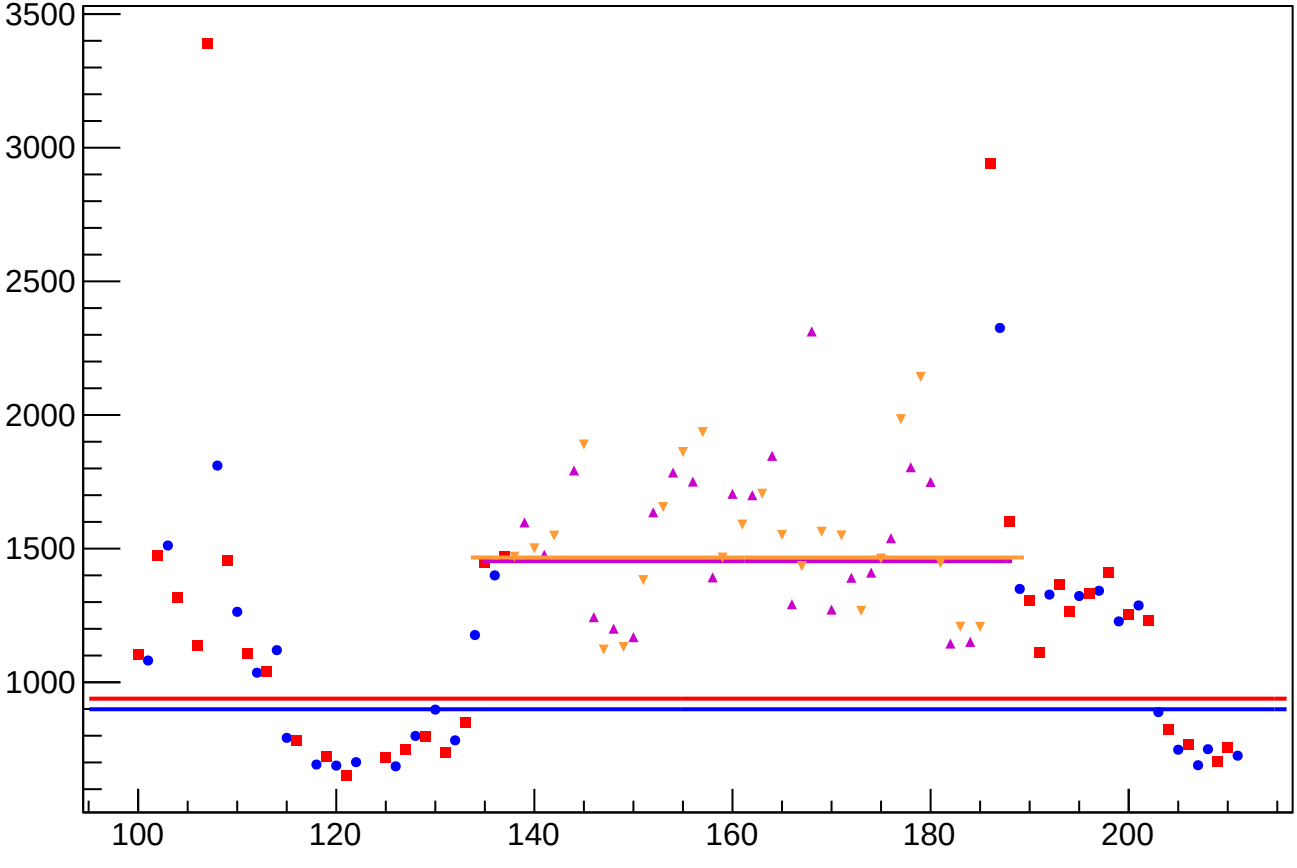
Right: -12.149+/-164.314 χ^2/NDF: 129.2/59

In: -440.312+/-192.049 χ^2/NDF:51.1/50

Out: 185.985+/-194.006 χ^2/NDF:135.1/55

All: -130.338+/-136.486 χ^2/NDF: 191.5/106

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 899.019+/-0.163 χ^2/NDF: 2613875.7/27

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

Right Out: 938.727+/-0.165 χ^2/NDF: 3351772.8/31

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

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

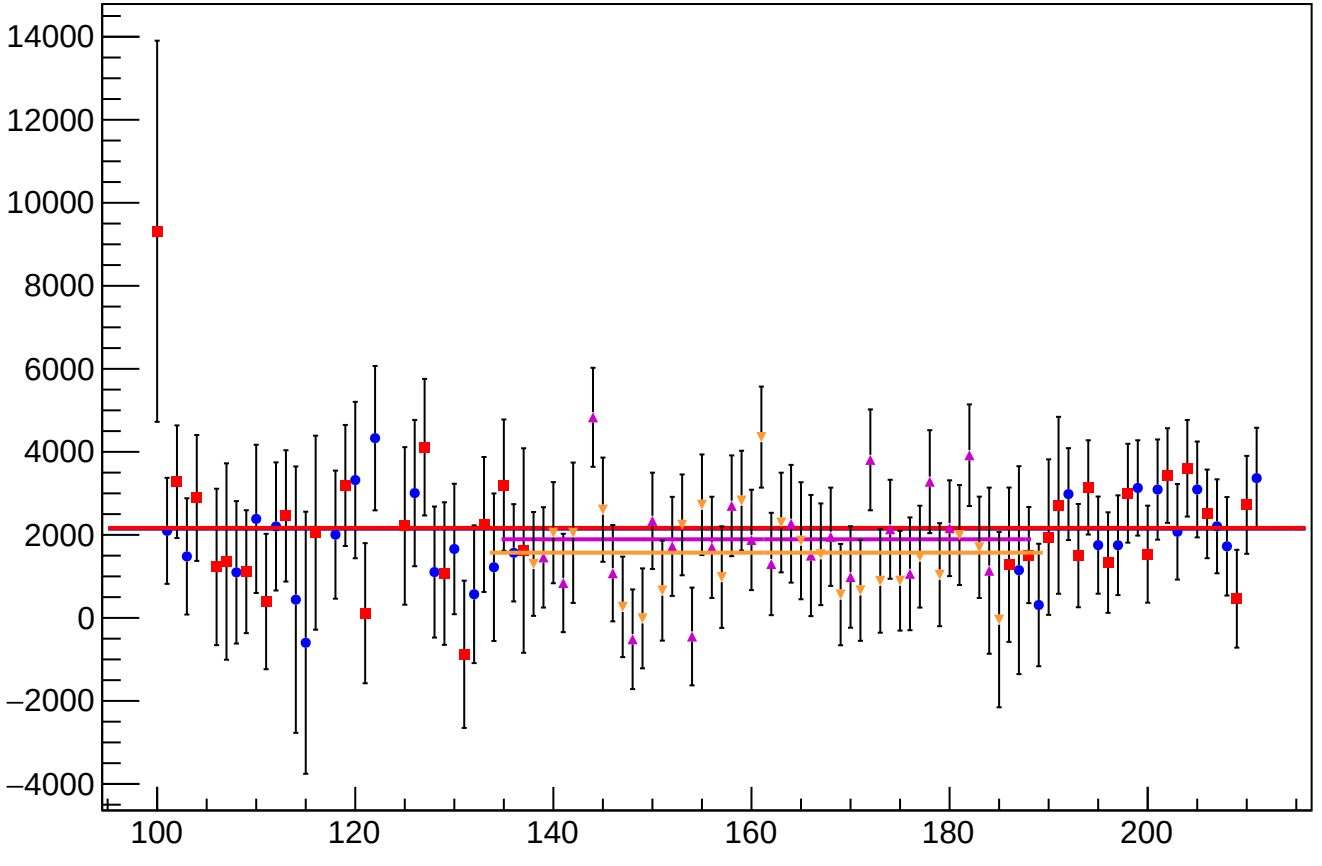
Right: 918.616+/-0.116 χ^2/NDF: 5994843.3/59

In: 1069.724+/-0.136 χ^2/NDF:7291137.7/50

Out: 1103.481+/-0.137 χ^2/NDF:7576195.7/55

All: 1086.431+/-0.097 χ^2/NDF: 14897914.7/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2149.741+/-267.858 χ^2/NDF: 11.5/27

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

Right Out: 2167.543+/-259.274 χ^2/NDF: 20.7/31

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

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

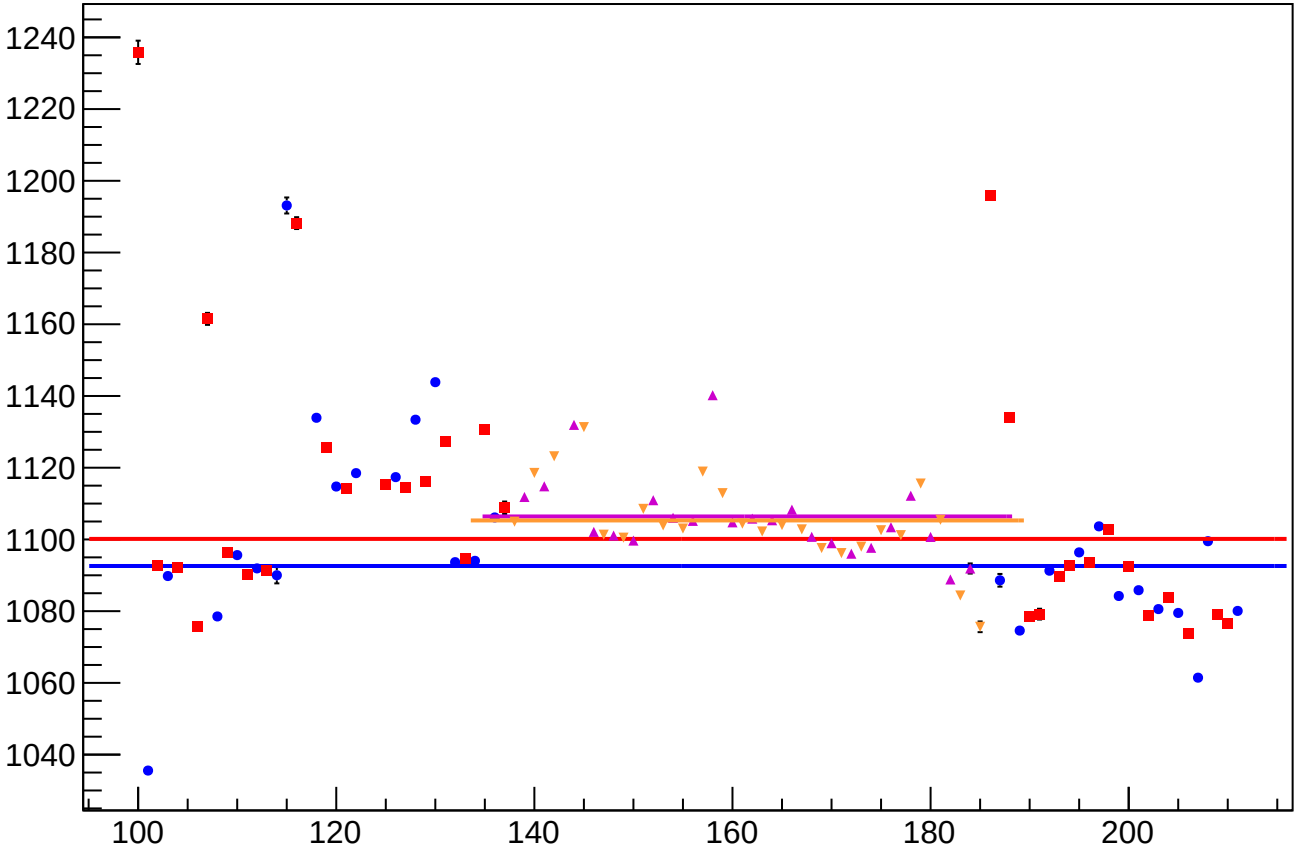
Right: 2158.932+/-186.295 χ^2/NDF: 32.2/59

In: 2016.907+/-185.948 χ^2/NDF:36.1/50

Out: 1866.133+/-182.359 χ^2/NDF:38.7/55

All: 1940.051+/-130.197 χ^2/NDF: 75.1/106

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

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

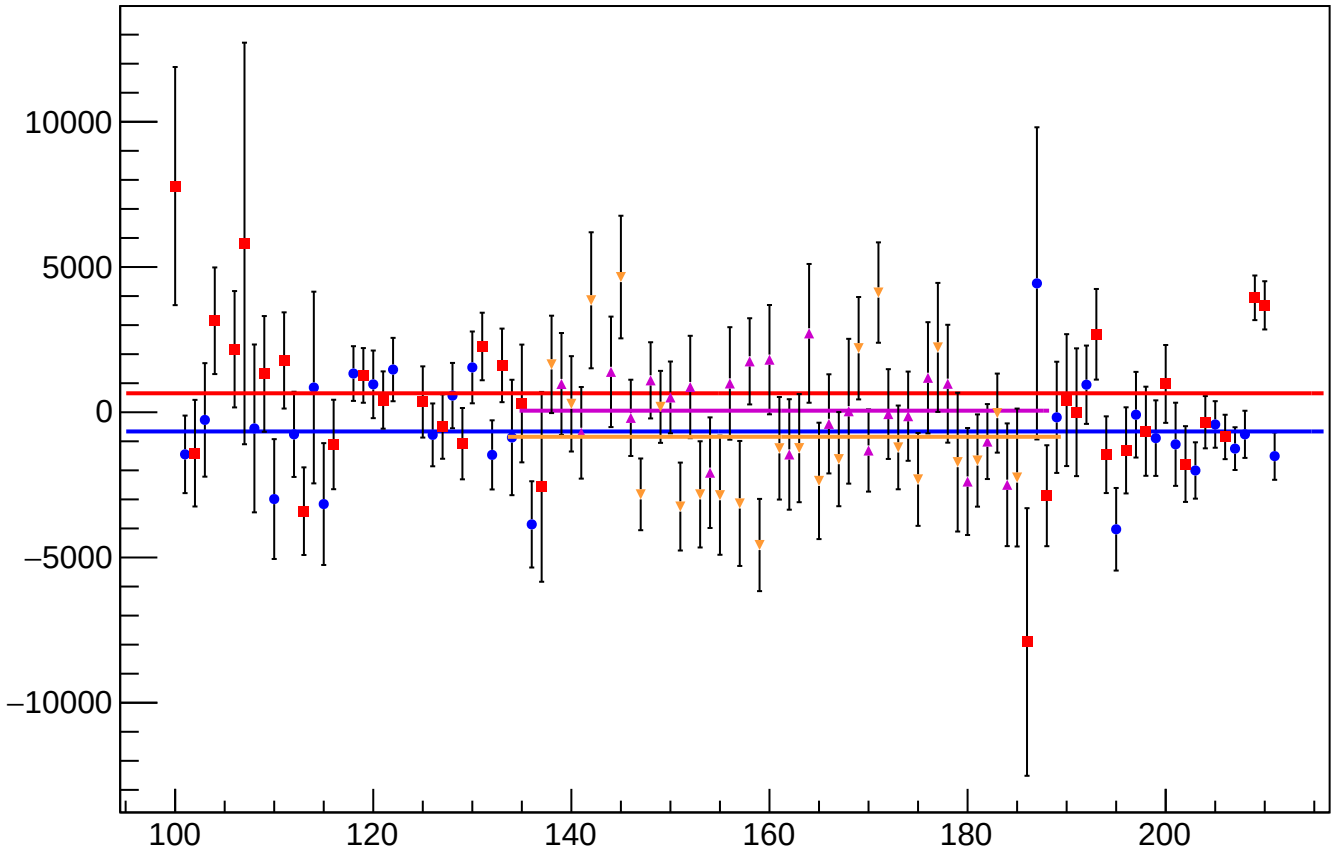
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1096.495+/-0.132 χ^2/NDF: 36831.2/59

In: 1099.750+/-0.131 χ^2/NDF:21914.7/50

Out: 1102.749+/-0.129 χ^2/NDF:24185.6/55

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106



Right In: -660.637+/-230.891 χ^2/NDF: 35.1/27

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

Right Out: 653.285+/-233.889 χ^2/NDF: 78.2/31

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

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

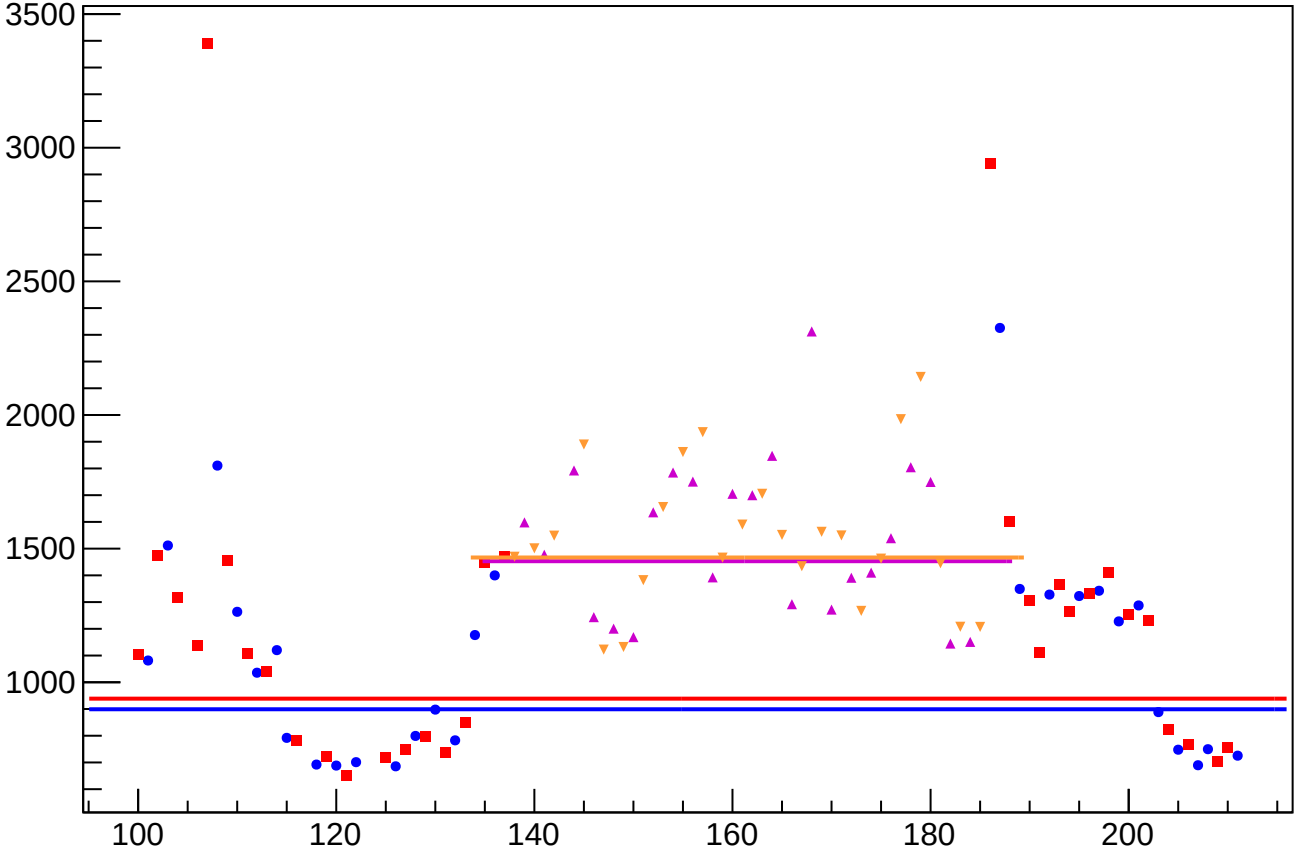
Right: -12.149+/-164.314 χ^2/NDF: 129.2/59

In: -440.312+/-192.049 χ^2/NDF:51.1/50

Out: 185.985+/-194.006 χ^2/NDF:135.1/55

All: -130.338+/-136.486 χ^2/NDF: 191.5/106

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 899.019+/-0.163 χ^2/NDF: 2613875.7/27

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

Right Out: 938.726+/-0.165 χ^2/NDF: 3351771.2/31

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

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

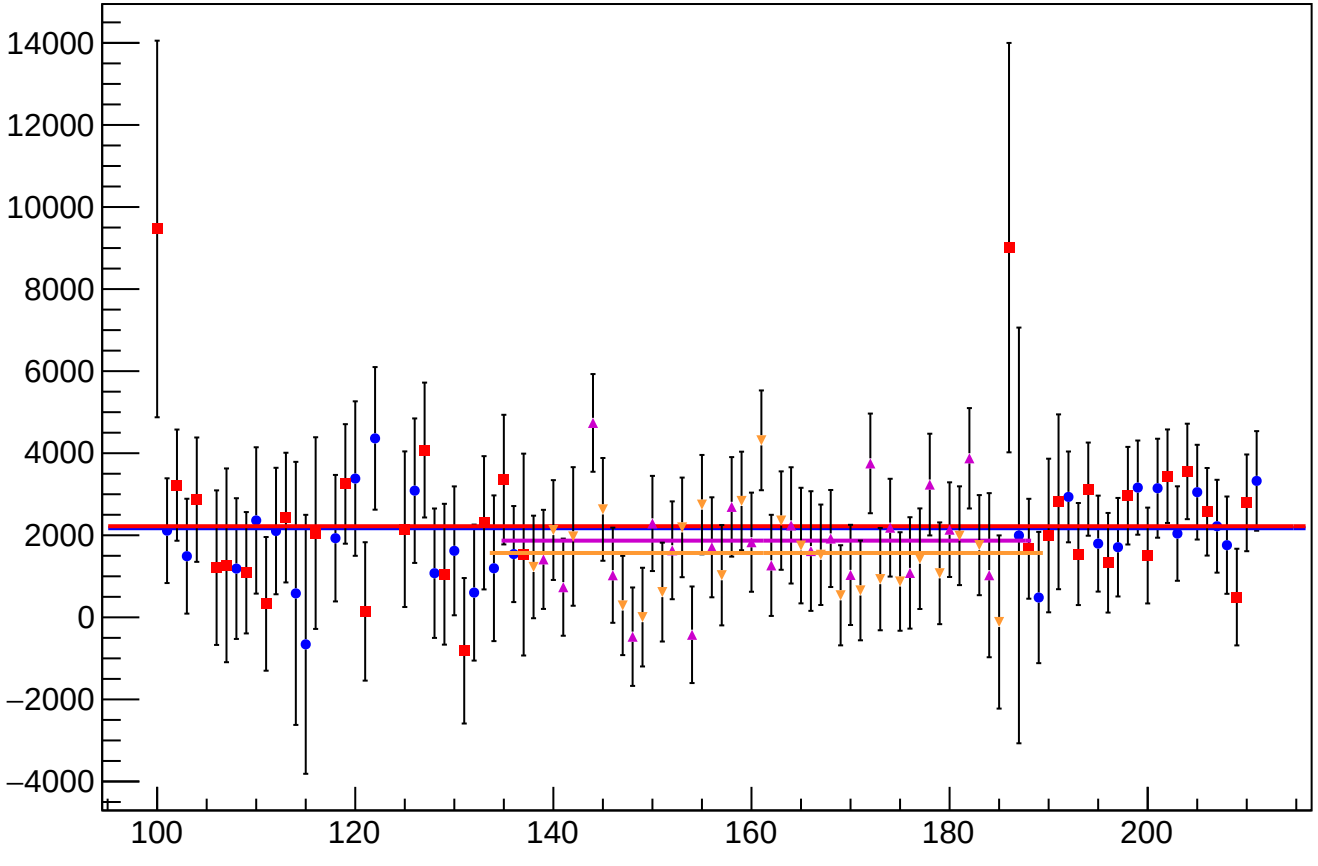
Right: 918.616+/-0.116 χ^2/NDF: 5994841.6/59

In: 1069.724+/-0.136 χ^2/NDF:7291137.7/50

Out: 1103.480+/-0.137 χ^2/NDF:7576195.6/55

All: 1086.431+/-0.097 χ^2/NDF: 14897914.4/1

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2172.029+/-269.513 χ^2/NDF: 10.9/27

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

Right Out: 2220.848+/-261.976 χ^2/NDF: 22.3/31

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

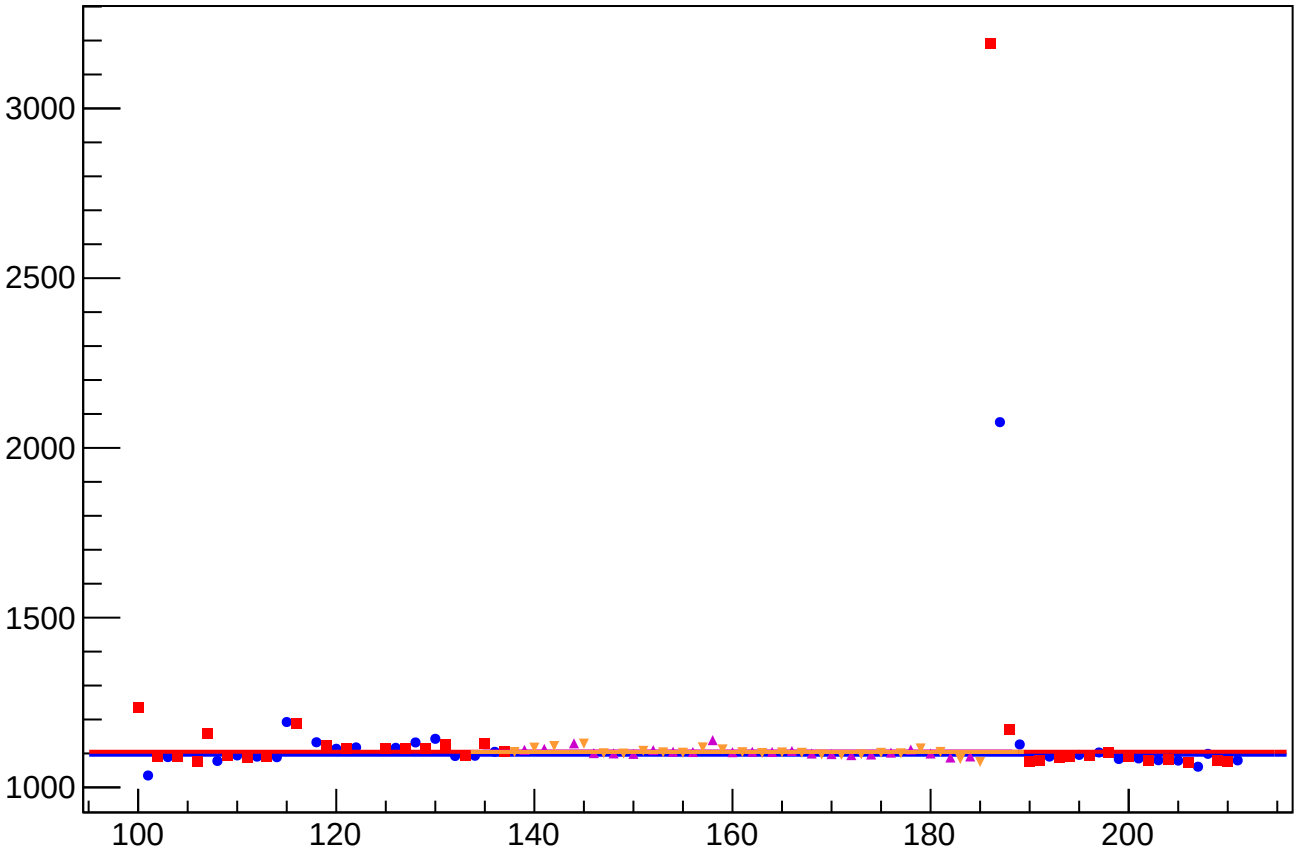
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2197.131+/-187.853 χ^2/NDF: 33.2/59

In: 2014.141+/-186.408 χ^2/NDF:34.9/50

Out: 1887.669+/-183.203 χ^2/NDF:40.8/55

All: 1949.808+/-130.663 χ^2/NDF: 76.0/106



Right In: 1096.248+/-0.191 χ^2/NDF: 90820.2/27

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

Right Out: 1104.973+/-0.185 χ^2/NDF: 370910.7/31

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

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

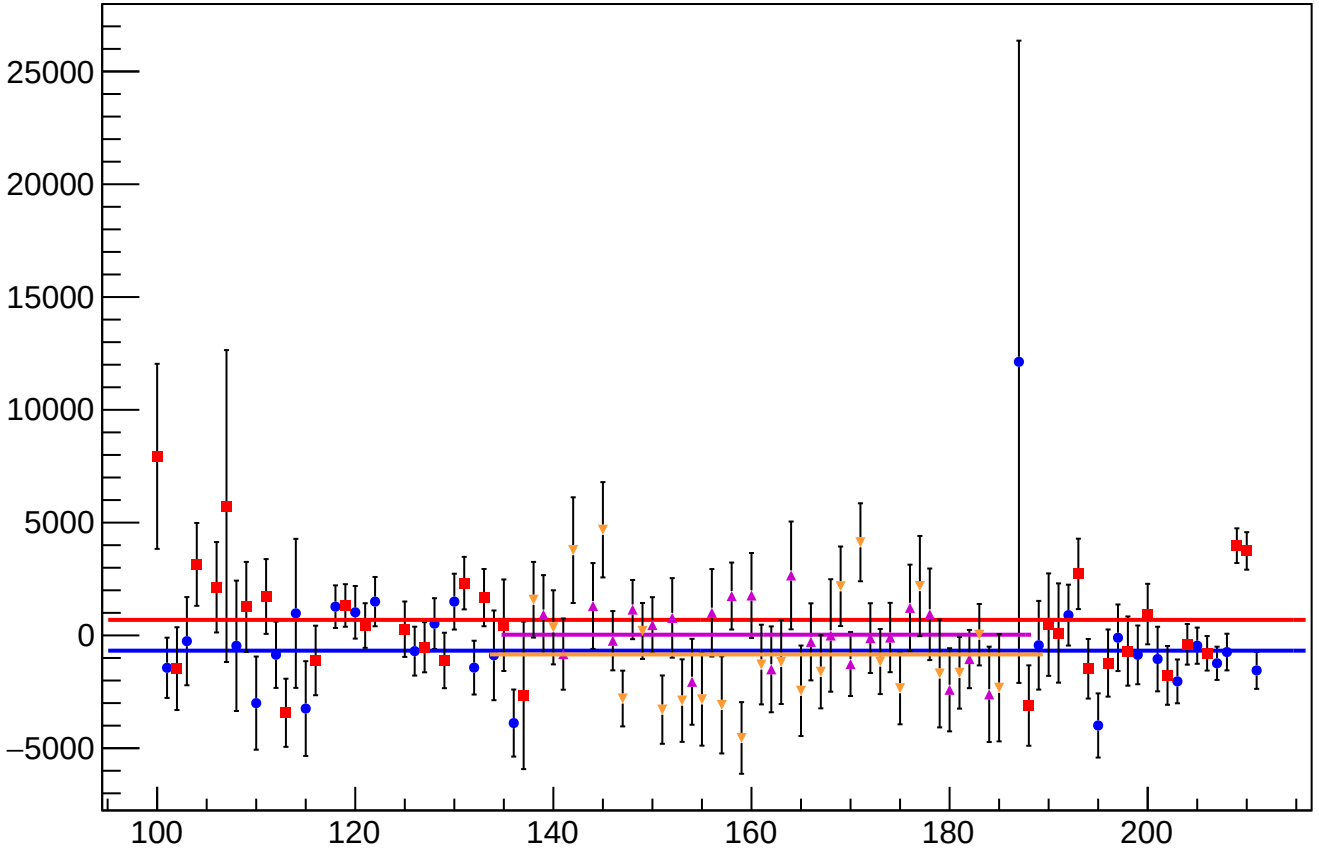
Right: 1100.734+/-0.133 χ^2/NDF: 462808.6/59

In: 1101.012+/-0.132 χ^2/NDF:95679.1/50

Out: 1104.608+/-0.130 χ^2/NDF:373917.5/55

All: 1102.841+/-0.092 χ^2/NDF: 469975.2/106

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -675.875+/-231.438 χ^2/NDF: 34.7/27

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

Right Out: 688.900+/-234.578 χ^2/NDF: 76.3/30

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

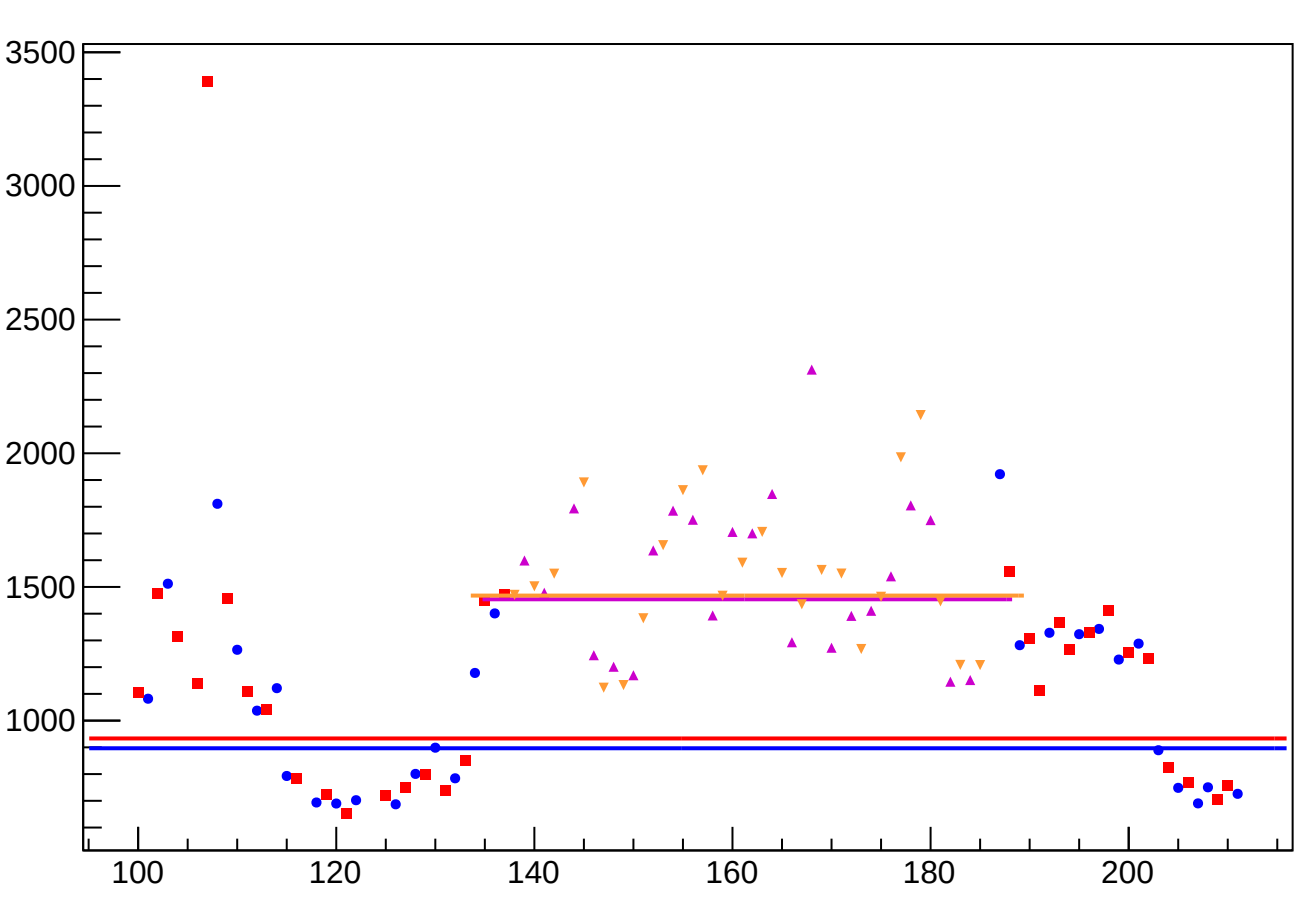
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -2.682+/-164.750 χ^2/NDF: 128.2/58

In: -457.384+/-192.397 χ^2/NDF:50.6/50

Out: 209.341+/-194.432 χ^2/NDF:133.7/54

All: -127.530+/-136.759 χ^2/NDF: 190.3/105



Right In: 896.558+/-0.164 χ^2/NDF: 2440911.0/27

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

Right Out: 933.244+/-0.166 χ^2/NDF: 2911730.1/30

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

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

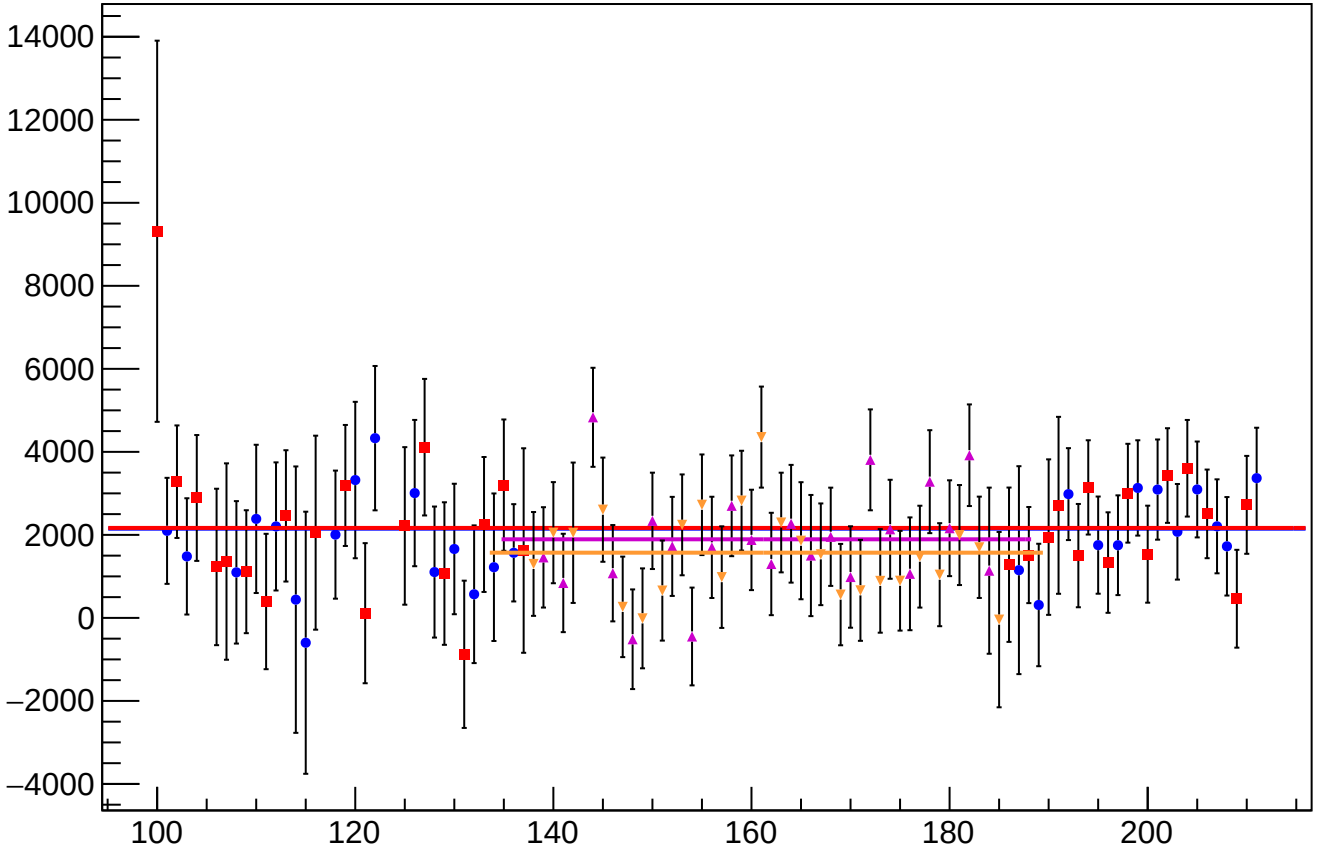
Right: 914.654+/-0.116 χ^2/NDF: 5377427.9/58

In: 1068.715+/-0.136 χ^2/NDF:7151136.0/50

Out: 1100.523+/-0.137 χ^2/NDF:7203039.0/54

All: 1084.451+/-0.097 χ^2/NDF: 14381219.5/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2149.741+/-267.858 χ^2/NDF: 11.5/27

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

Right Out: 2167.543+/-259.274 χ^2/NDF: 20.7/31

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

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

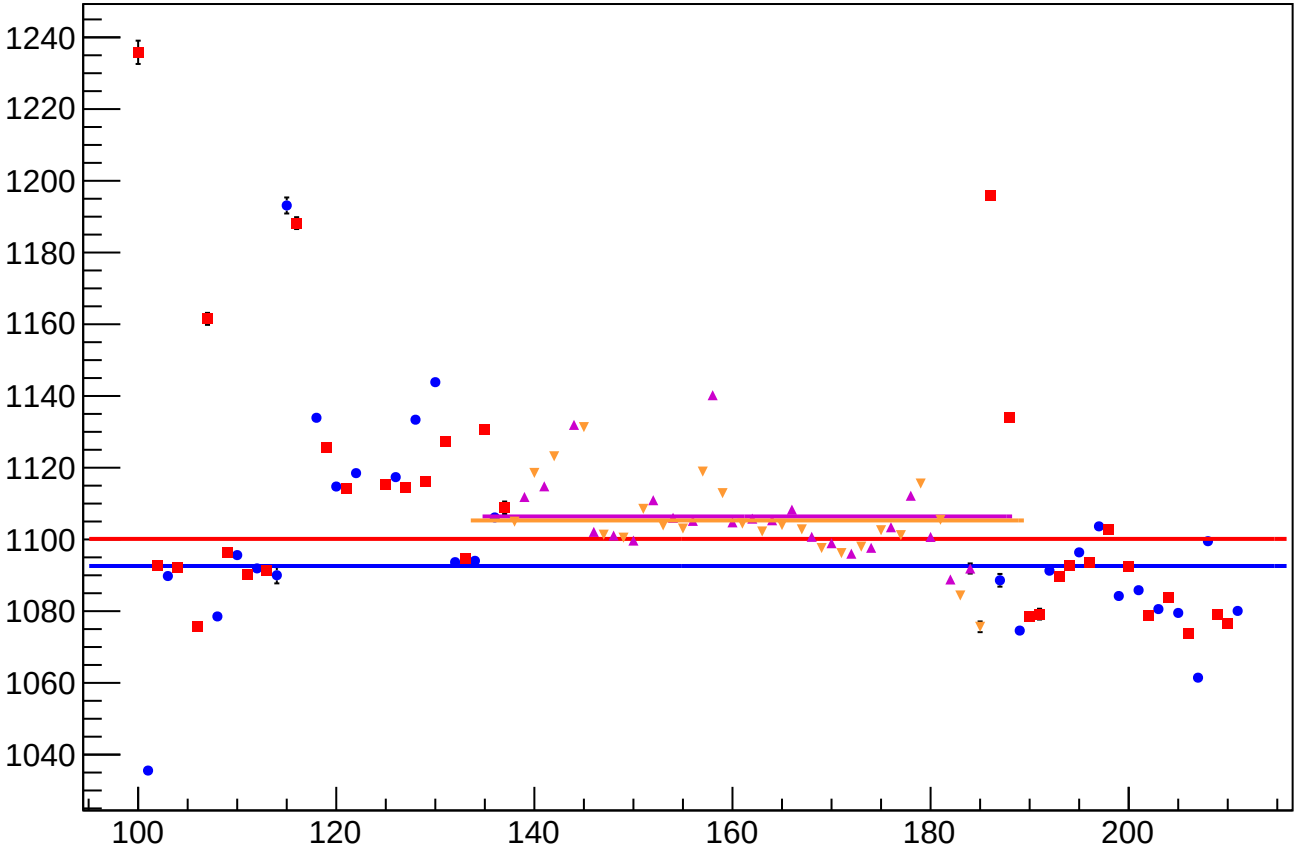
Right: 2158.932+/-186.295 χ^2/NDF: 32.2/59

In: 2016.907+/-185.948 χ^2/NDF:36.1/50

Out: 1866.133+/-182.359 χ^2/NDF:38.7/55

All: 1940.051+/-130.197 χ^2/NDF: 75.1/106

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.596+/-0.189 χ^2/NDF: 15384.3/27

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

Right Out: 1100.149+/-0.183 χ^2/NDF: 20625.9/31

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

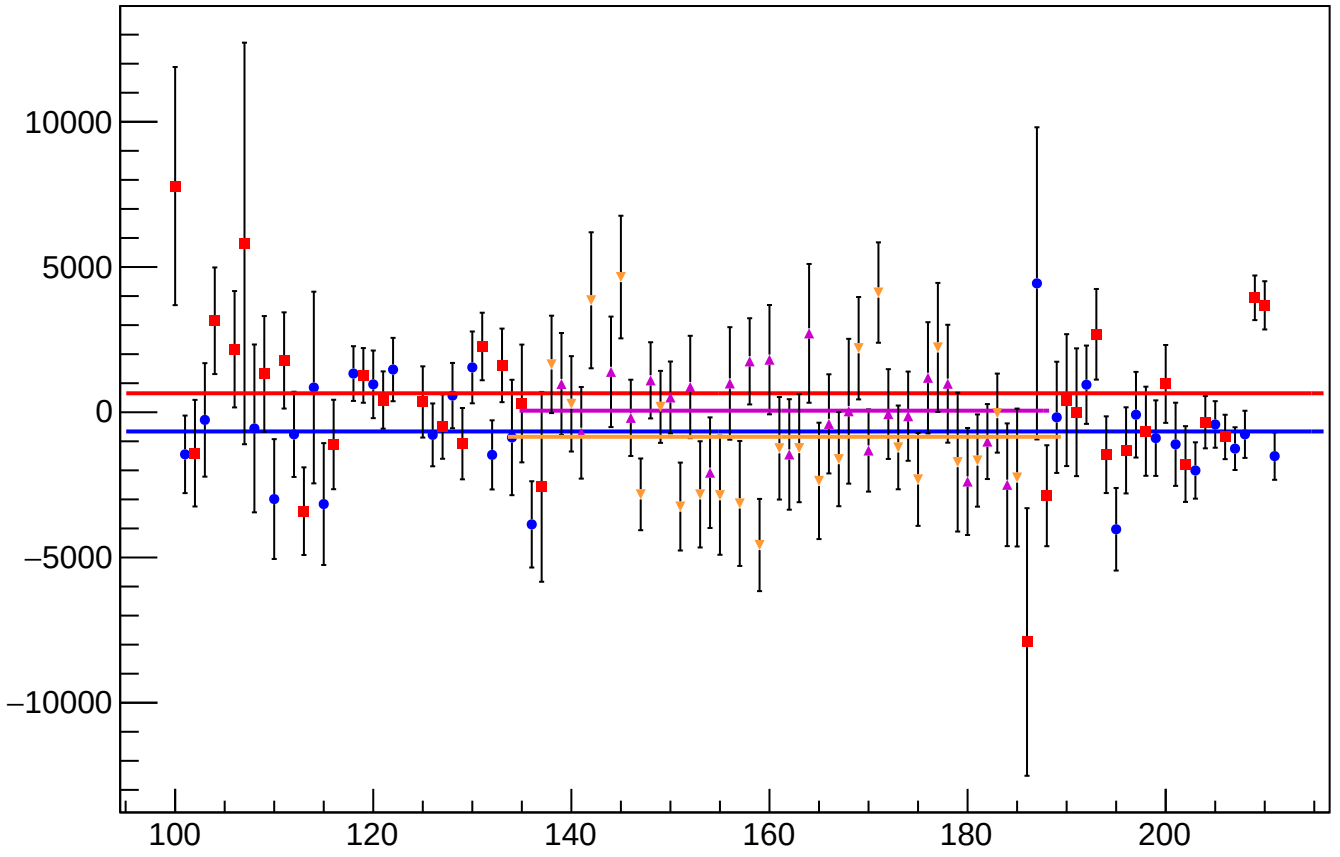
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1096.495+/-0.132 χ^2/NDF: 36831.2/59

In: 1099.750+/-0.131 χ^2/NDF:21914.7/50

Out: 1102.749+/-0.129 χ^2/NDF:24185.6/55

All: 1101.279+/-0.092 χ^2/NDF: 46365.5/106



Right In: -660.637+/-230.891 χ^2/NDF: 35.1/27

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

Right Out: 653.285+/-233.889 χ^2/NDF: 78.2/31

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

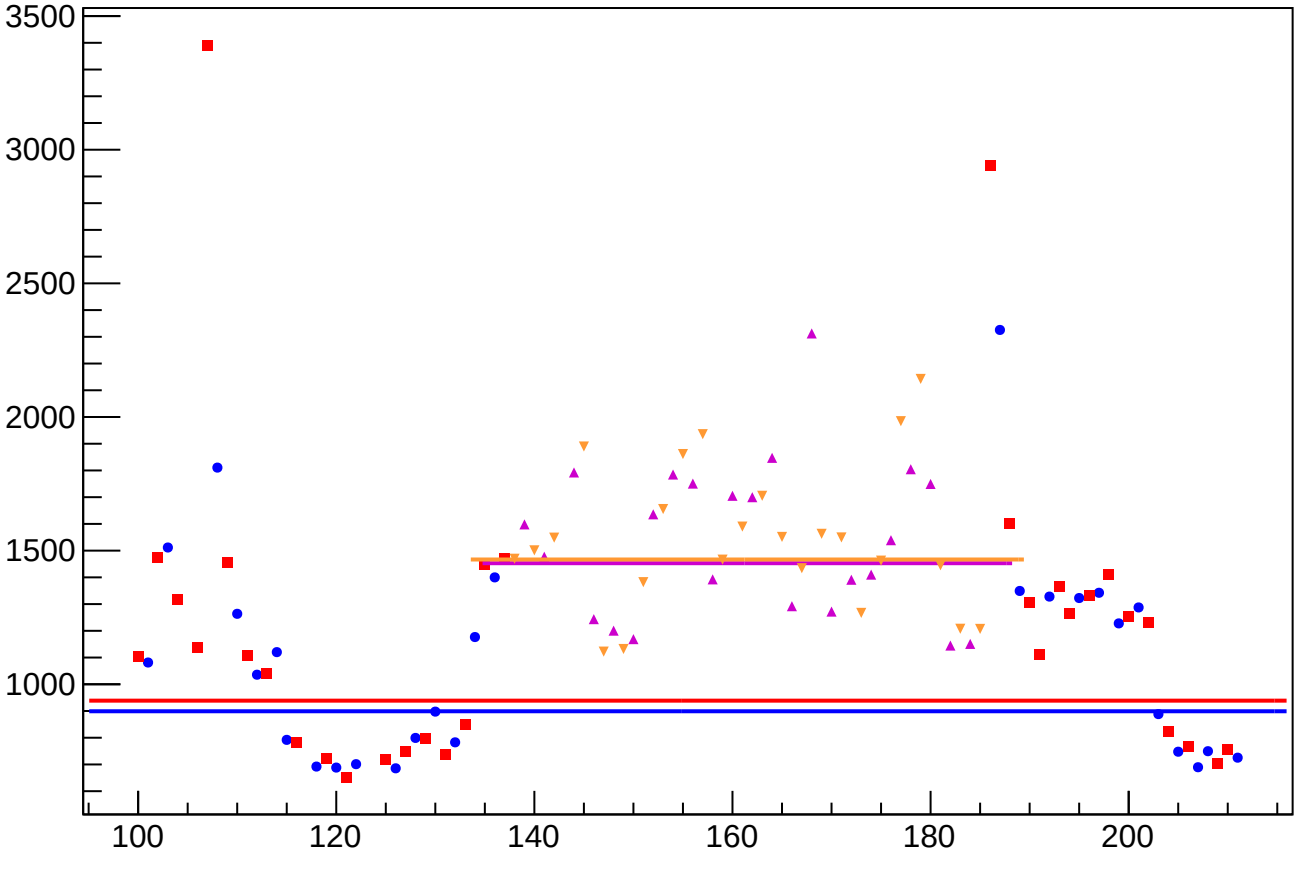
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -12.149+/-164.314 χ^2/NDF: 129.2/59

In: -440.312+/-192.049 χ^2/NDF:51.1/50

Out: 185.985+/-194.006 χ^2/NDF:135.1/55

All: -130.338+/-136.486 χ^2/NDF: 191.5/106



Right In: 899.019+/-0.163 χ^2/NDF: 2613875.7/27

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

Right Out: 938.726+/-0.165 χ^2/NDF: 3351771.2/31

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

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

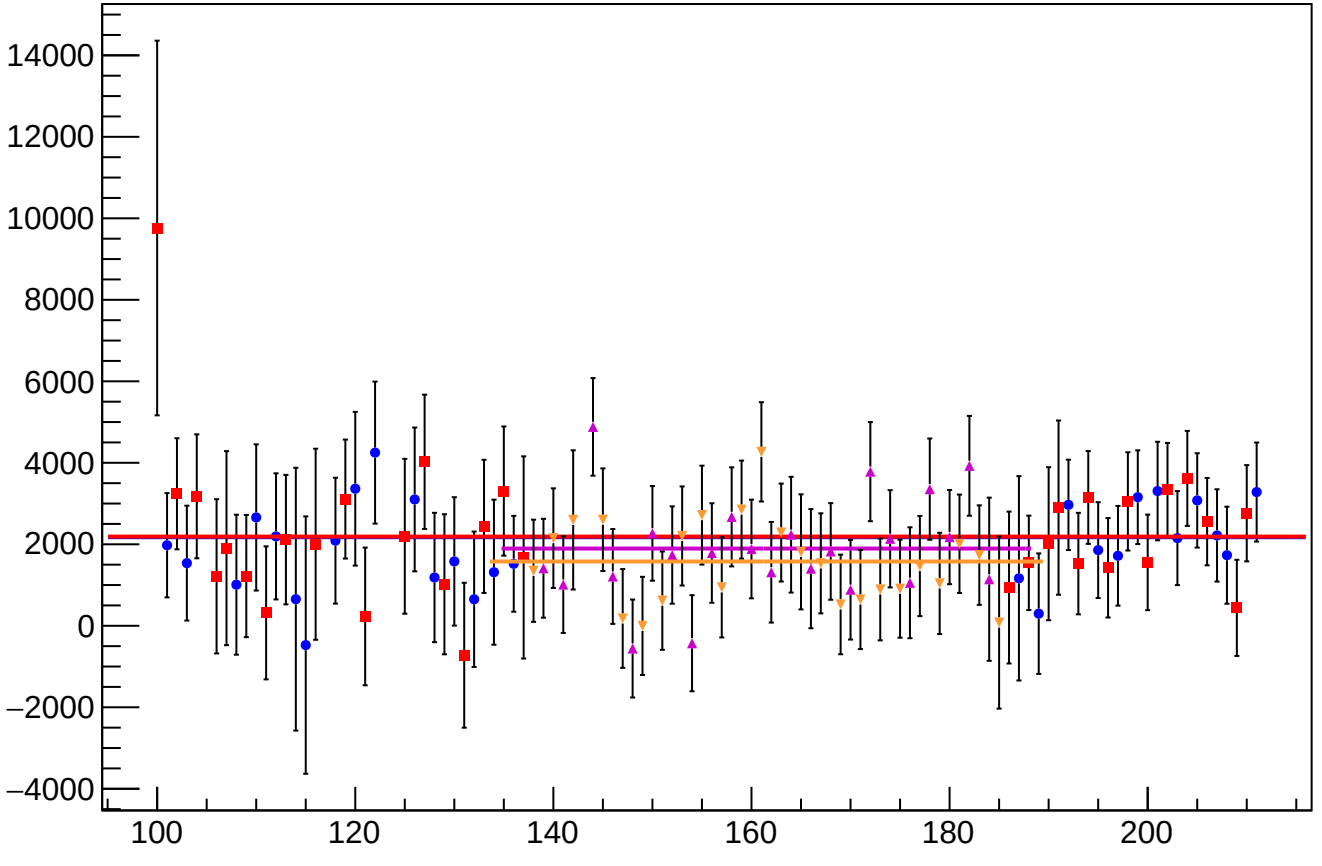
Right: 918.616+/-0.116 χ^2/NDF: 5994841.6/59

In: 1069.724+/-0.136 χ^2/NDF:7291137.7/50

Out: 1103.480+/-0.137 χ^2/NDF:7576195.6/55

All: 1086.431+/-0.097 χ^2/NDF: 14897914.4/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2174.457+/-268.727 χ^2/NDF: 11.4/27

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2188.765+/-260.208 χ^2/NDF: 20.6/31

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

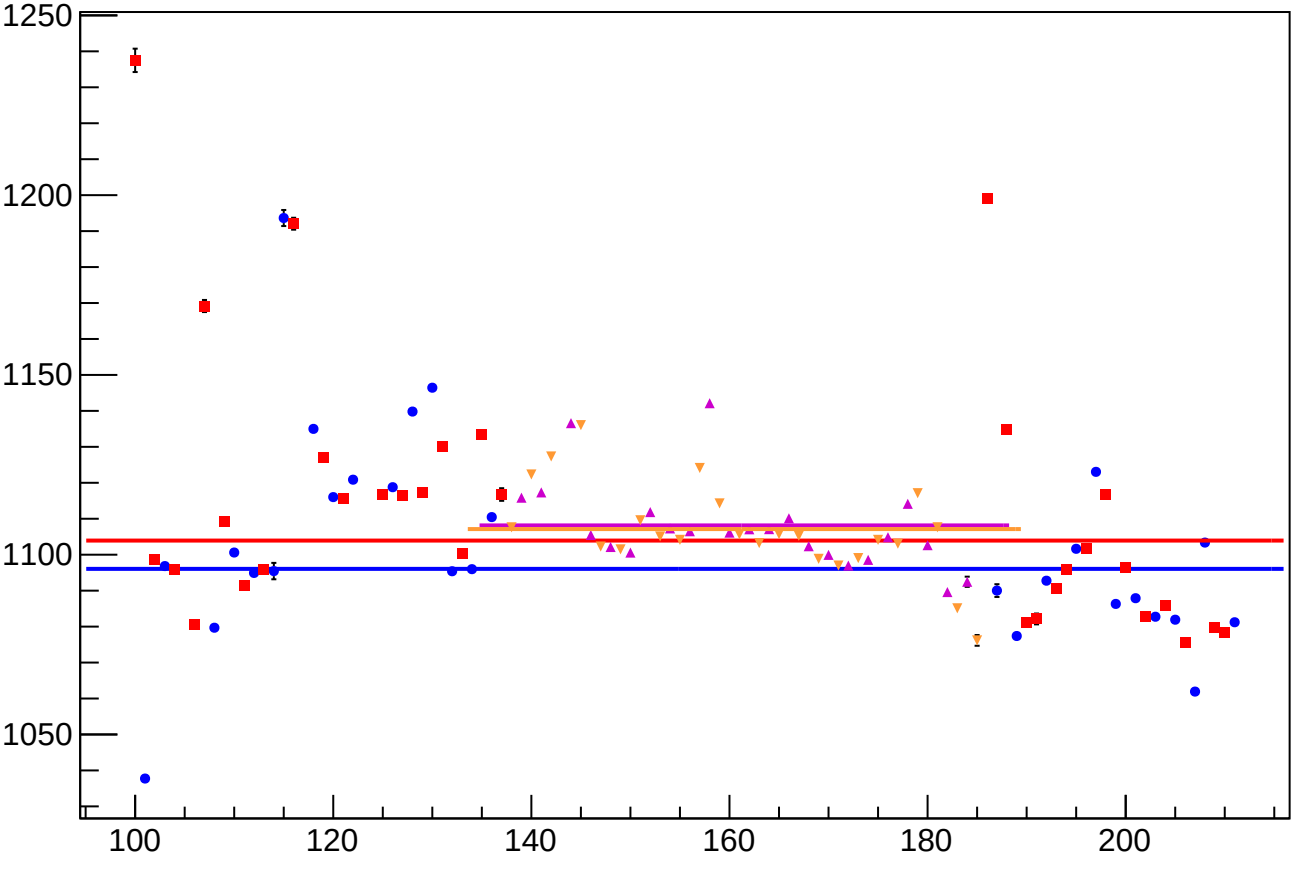
Right: 2181.841+/-186.934 χ^2/NDF: 32.0/59

In: 2029.728+/-186.391 χ^2/NDF:36.0/50

Out: 1879.295+/-182.851 χ^2/NDF:38.9/55

All: 1953.070+/-130.529 χ^2/NDF: 75.3/106

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.059+/-0.190 χ^2/NDF: 16710.6/27

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1103.930+/-0.184 χ^2/NDF: 20832.2/31

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

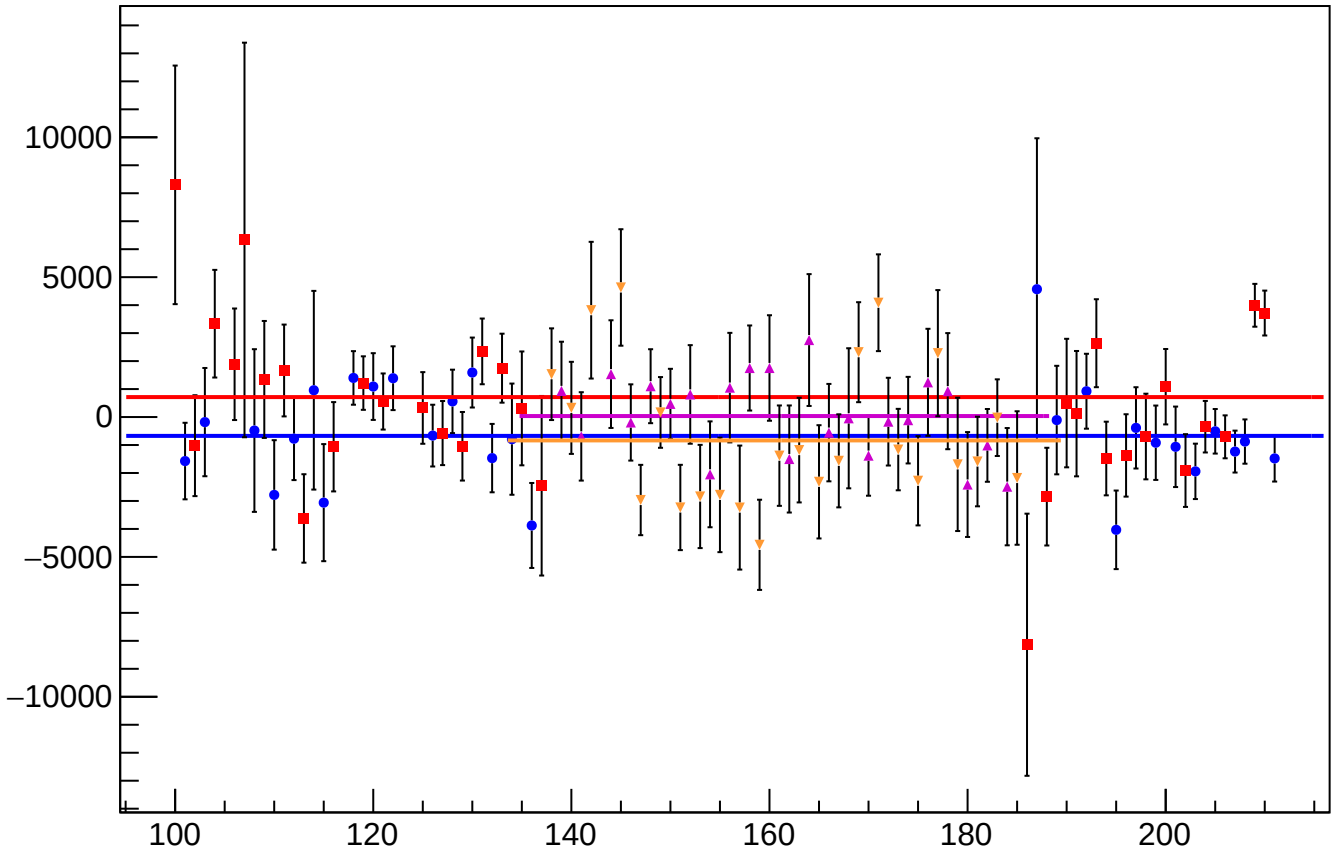
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1100.122+/-0.132 χ^2/NDF: 38428.3/59

In: 1102.331+/-0.132 χ^2/NDF:23000.4/50

Out: 1105.548+/-0.129 χ^2/NDF:24768.7/55

All: 1103.970+/-0.092 χ^2/NDF: 48072.7/106



Right In: -673.595+/-232.950 χ^2/NDF: 34.2/27

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 713.243+/-235.345 χ^2/NDF: 79.7/31

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

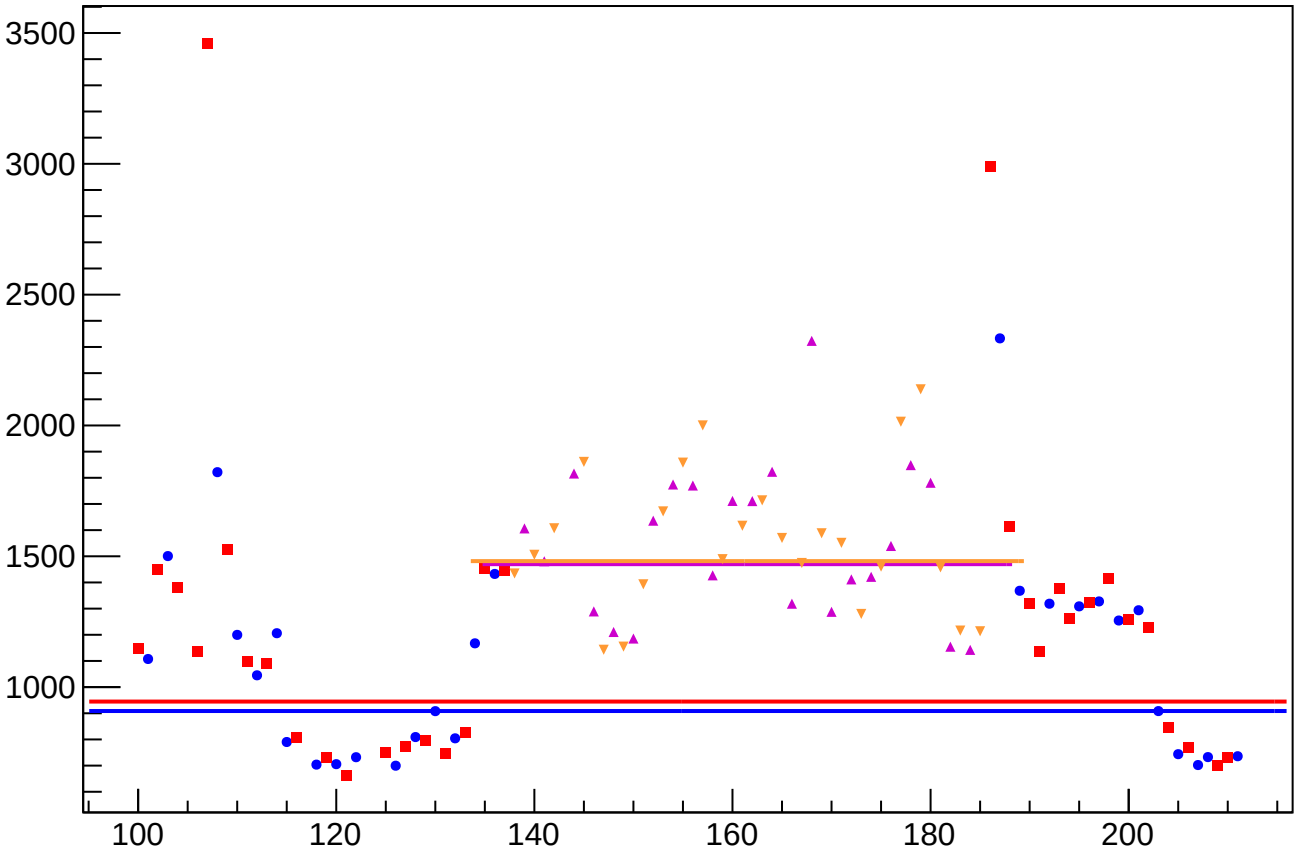
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 12.733+/-165.561 χ^2/NDF: 131.5/59

In: -455.589+/-193.862 χ^2/NDF:50.2/50

Out: 232.256+/-195.406 χ^2/NDF:136.7/55

All: -114.394+/-137.624 χ^2/NDF: 193.2/106



Right In: 908.633+/-0.165 χ^2/NDF: 2550335.4/27

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 944.779+/-0.166 χ^2/NDF: 3373150.1/31

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

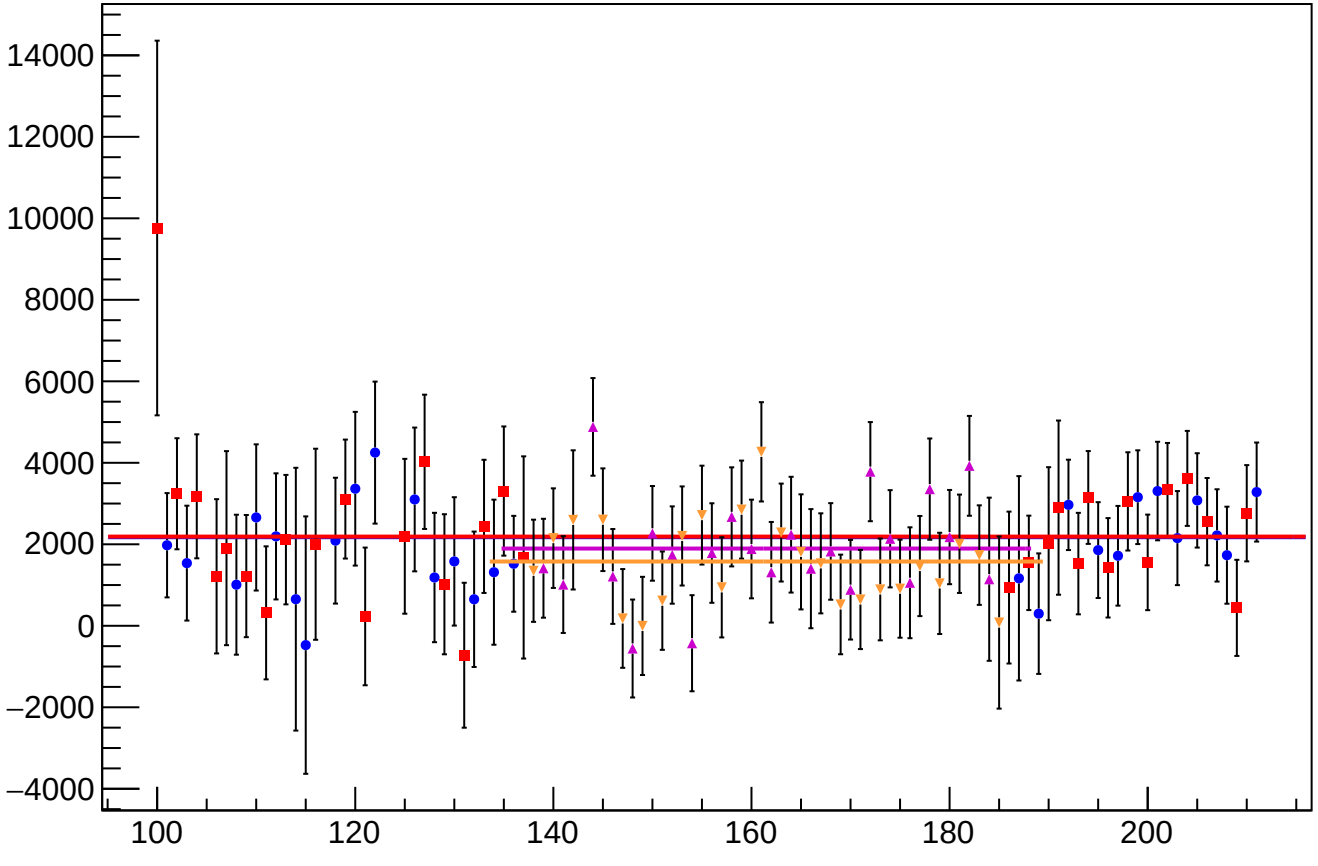
Right: 926.521+/-0.117 χ^2/NDF: 5947316.6/59

In: 1081.188+/-0.137 χ^2/NDF:7214901.5/50

Out: 1111.503+/-0.138 χ^2/NDF:7622097.3/55

All: 1096.225+/-0.097 χ^2/NDF: 14861256.9/1

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2174.457+/-268.727 χ^2/NDF: 11.4/27

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2188.764+/-260.208 χ^2/NDF: 20.6/31

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

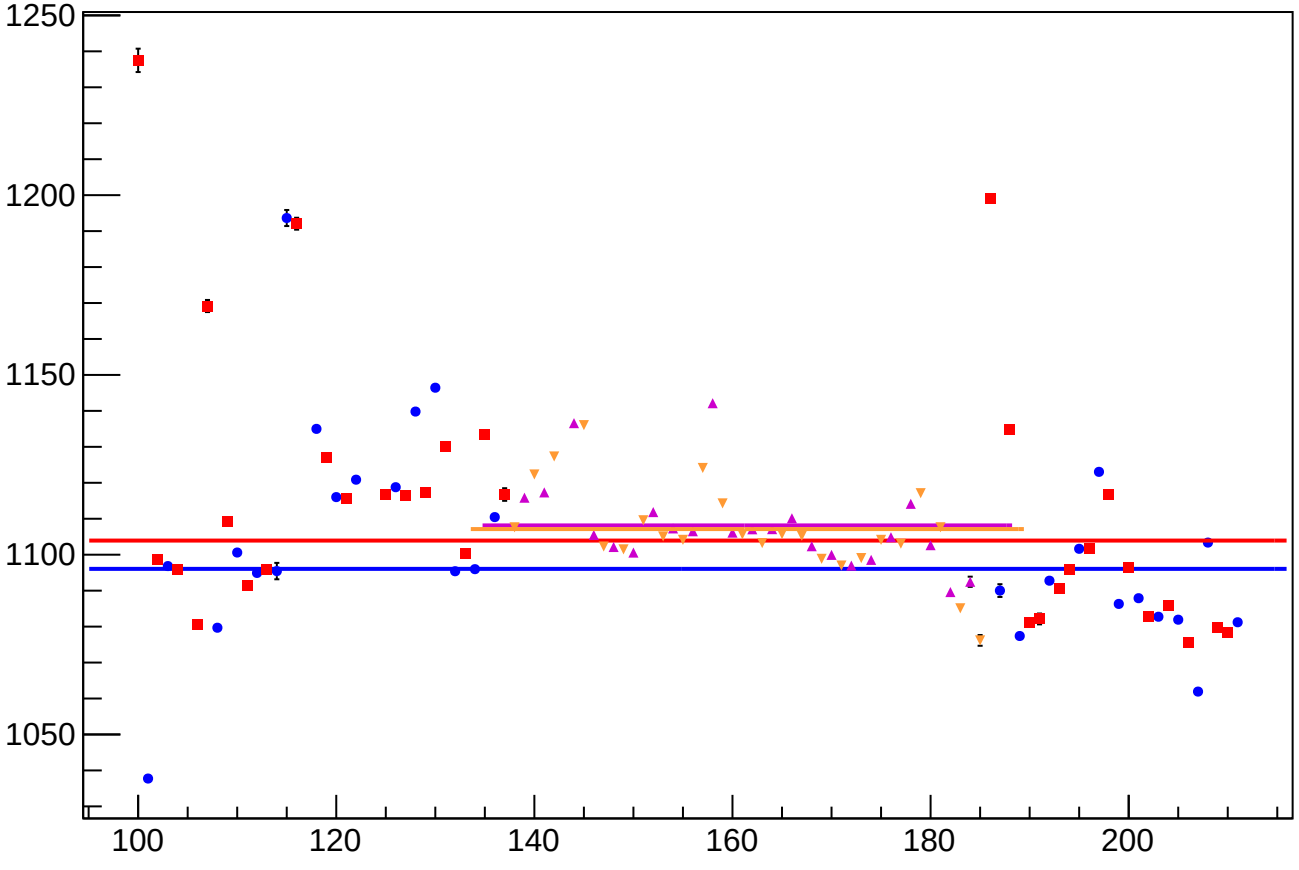
Right: 2181.841+/-186.934 χ^2/NDF: 32.0/59

In: 2029.729+/-186.391 χ^2/NDF:36.0/50

Out: 1879.293+/-182.851 χ^2/NDF:38.9/55

All: 1953.069+/-130.529 χ^2/NDF: 75.3/106

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.059+/-0.190 χ^2/NDF: 16710.6/27

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1103.930+/-0.184 χ^2/NDF: 20832.1/31

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

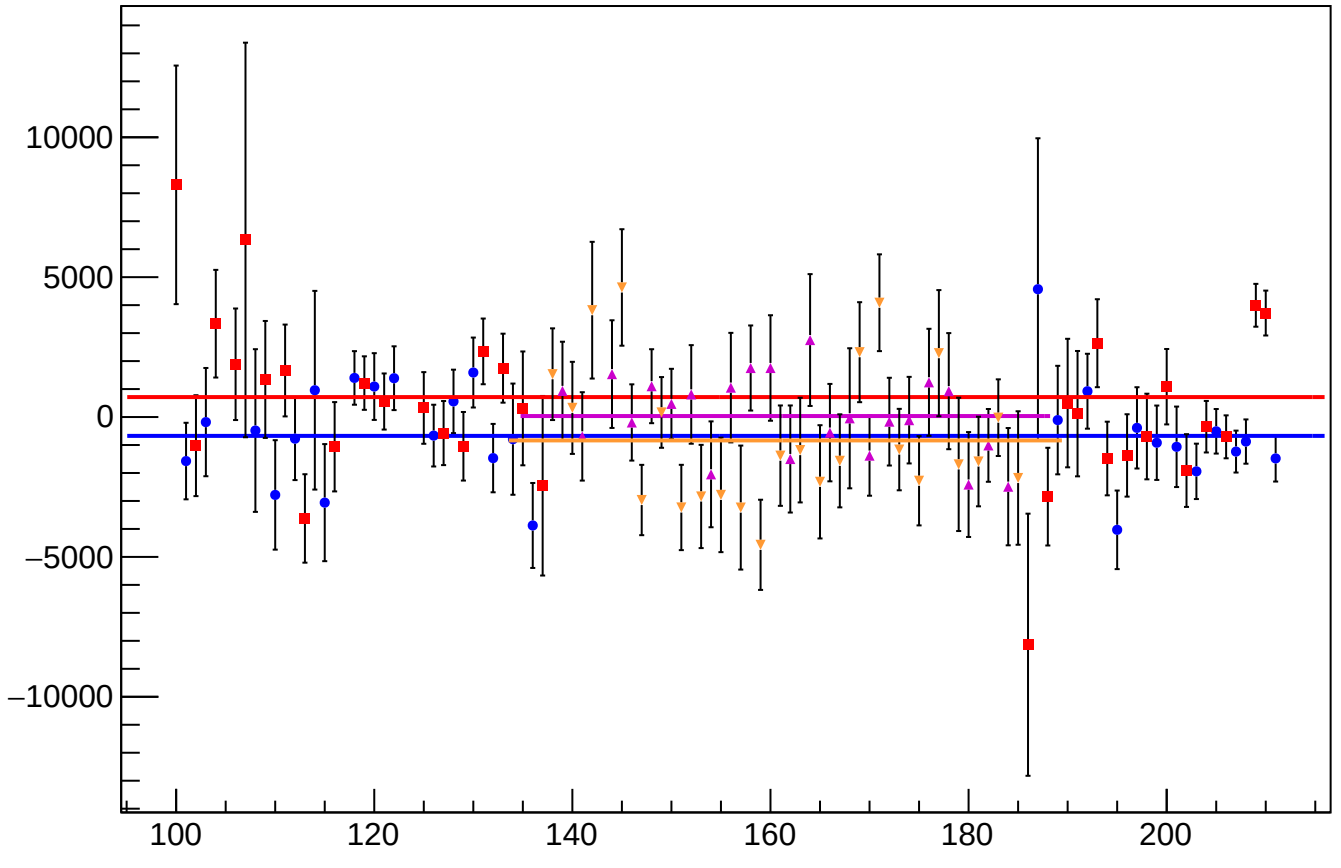
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1100.122+/-0.132 χ^2/NDF: 38428.3/59

In: 1102.331+/-0.132 χ^2/NDF:23000.4/50

Out: 1105.548+/-0.129 χ^2/NDF:24768.6/55

All: 1103.970+/-0.092 χ^2/NDF: 48072.7/106



Right In: -673.592+/-232.950 χ^2/NDF: 34.2/27

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 713.240+/-235.344 χ^2/NDF: 79.7/31

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

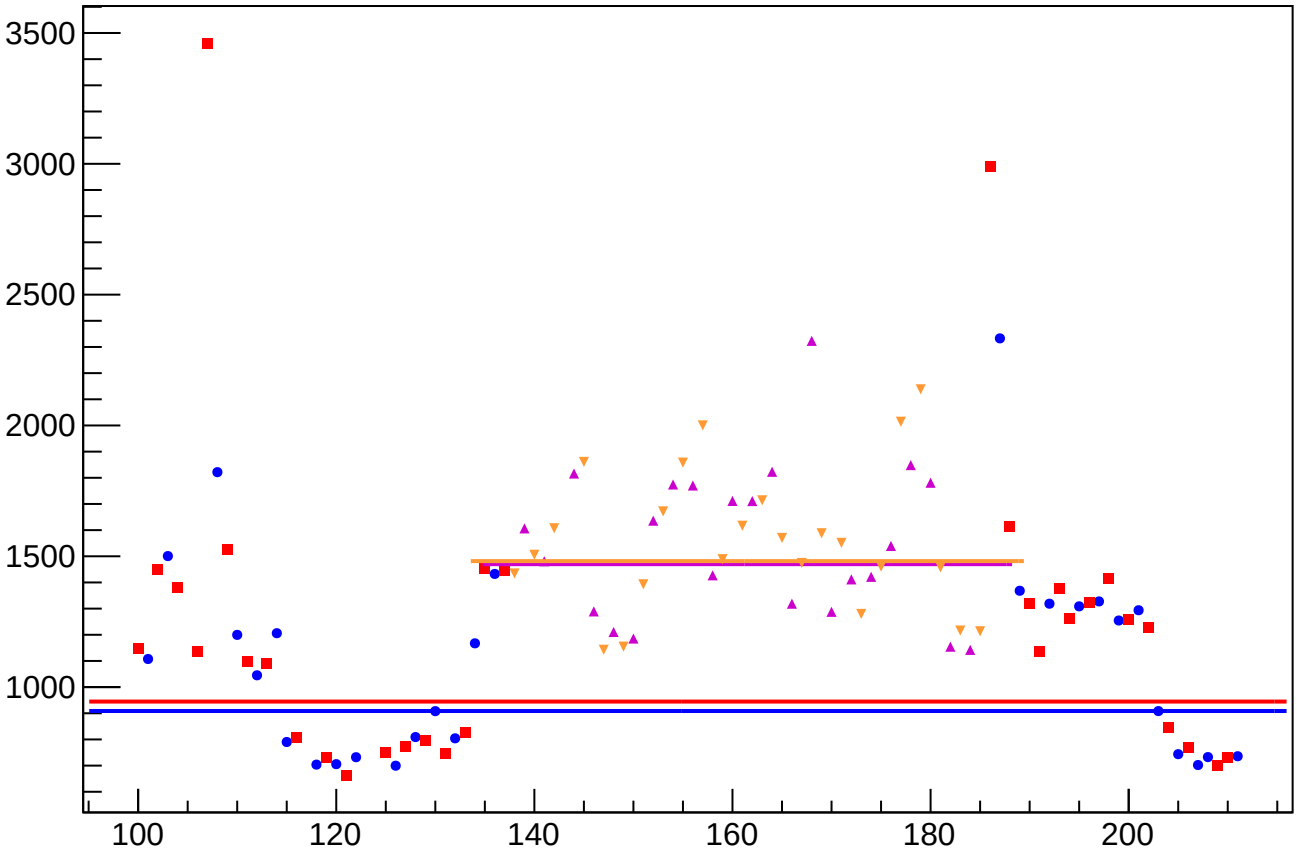
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 12.733+/-165.561 χ^2/NDF: 131.5/59

In: -455.588+/-193.862 χ^2/NDF:50.2/50

Out: 232.255+/-195.406 χ^2/NDF:136.7/55

All: -114.394+/-137.624 χ^2/NDF: 193.2/106



Right In: 908.632+/-0.165 χ^2/NDF: 2550338.5/27

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 944.779+/-0.166 χ^2/NDF: 3373152.9/31

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

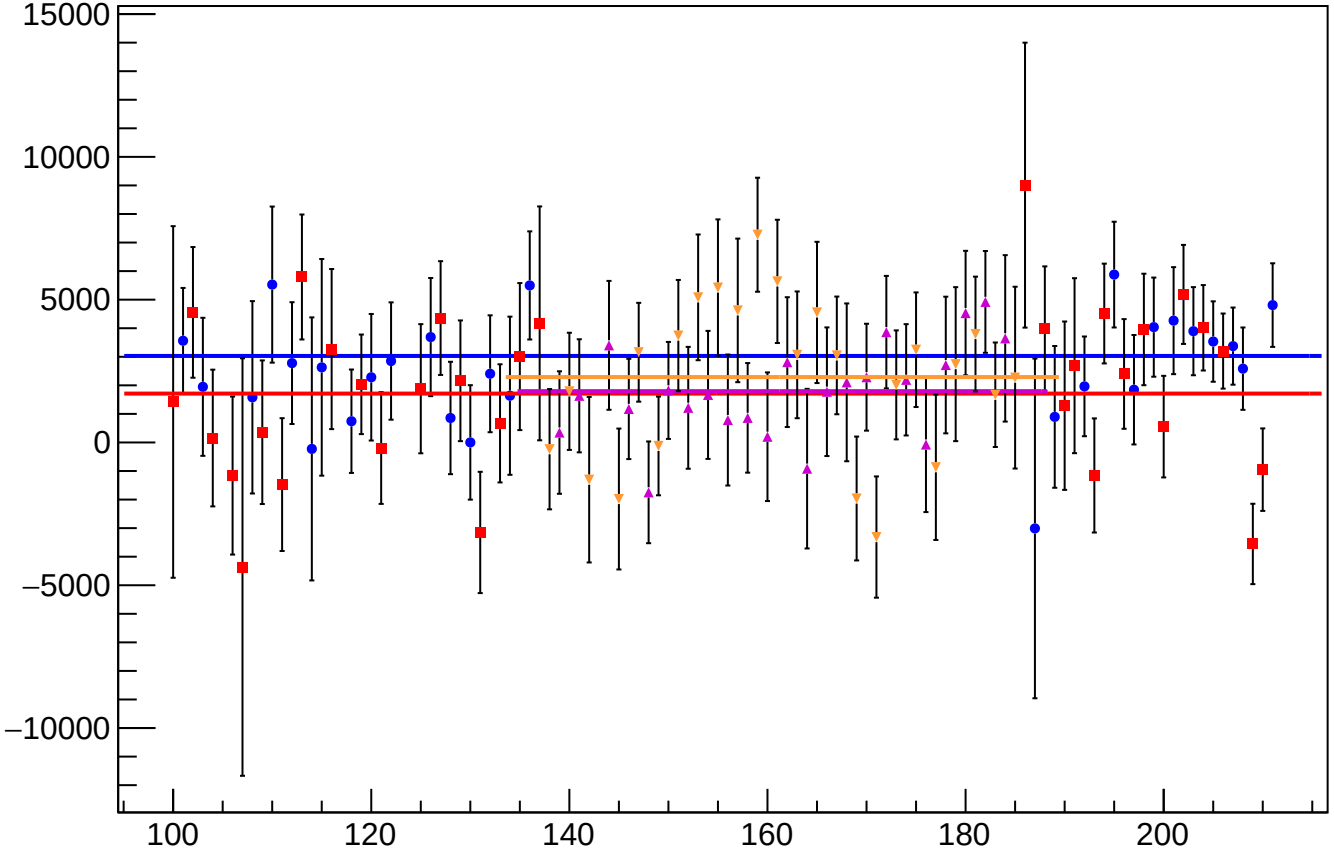
Right: 926.520+/-0.117 χ^2/NDF: 5947322.5/59

In: 1081.188+/-0.137 χ^2/NDF:7214925.3/50

Out: 1111.502+/-0.138 χ^2/NDF:7622120.8/55

All: 1096.225+/-0.097 χ^2/NDF: 14861304.1/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 3029.378+/-370.684 χ^2/NDF: 16.9/27

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1711.347+/-367.821 χ^2/NDF: 53.5/31

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

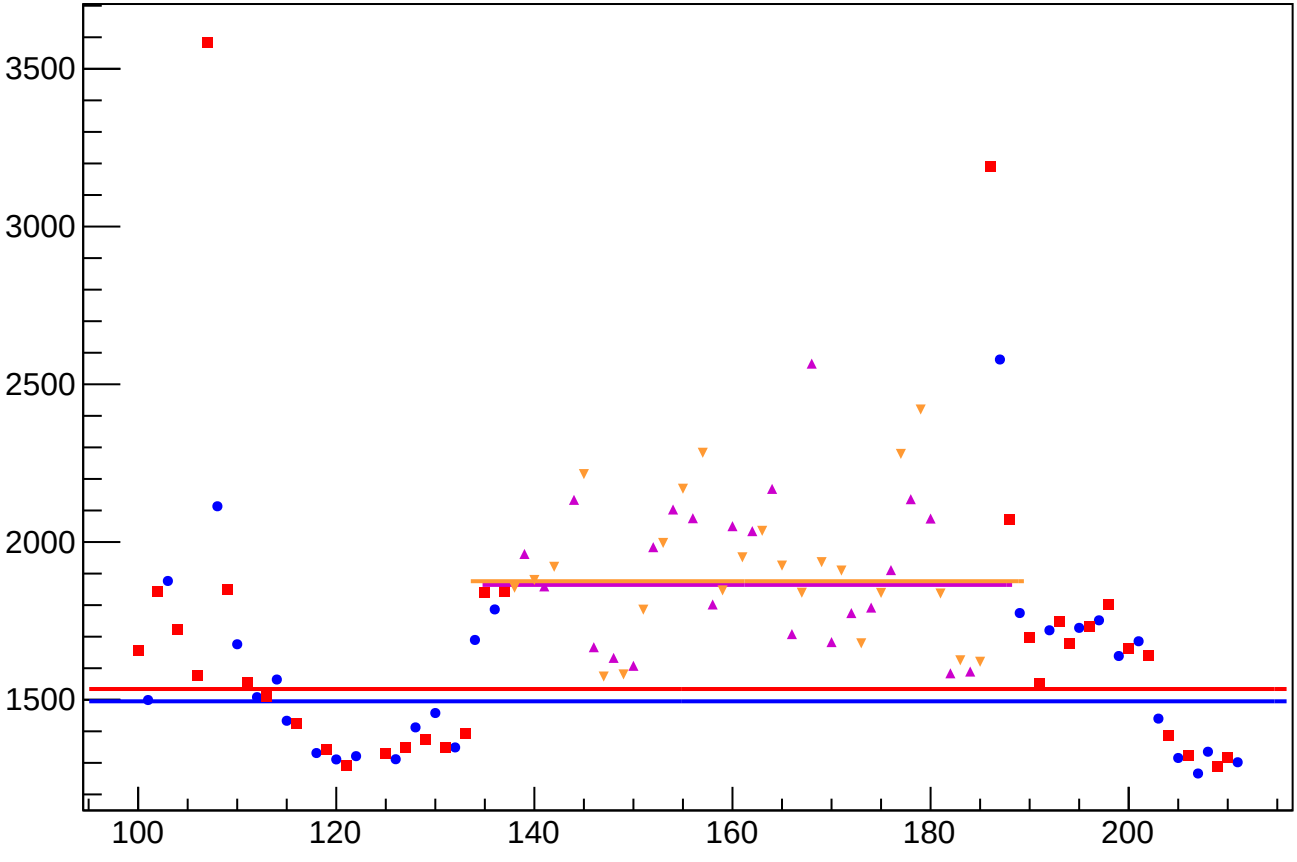
Right: 2365.254+/-261.095 χ^2/NDF: 76.8/59

In: 2516.342+/-283.260 χ^2/NDF:35.8/50

Out: 1949.685+/-282.026 χ^2/NDF:90.6/55

All: 2231.776+/-199.858 χ^2/NDF: 128.4/106

asym_usl_rms vs Slug, Sign Corrected



Right In: 1495.132+/-0.262 χ^2/NDF: 637790.6/27

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1534.127+/-0.260 χ^2/NDF: 1044073.6/31

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

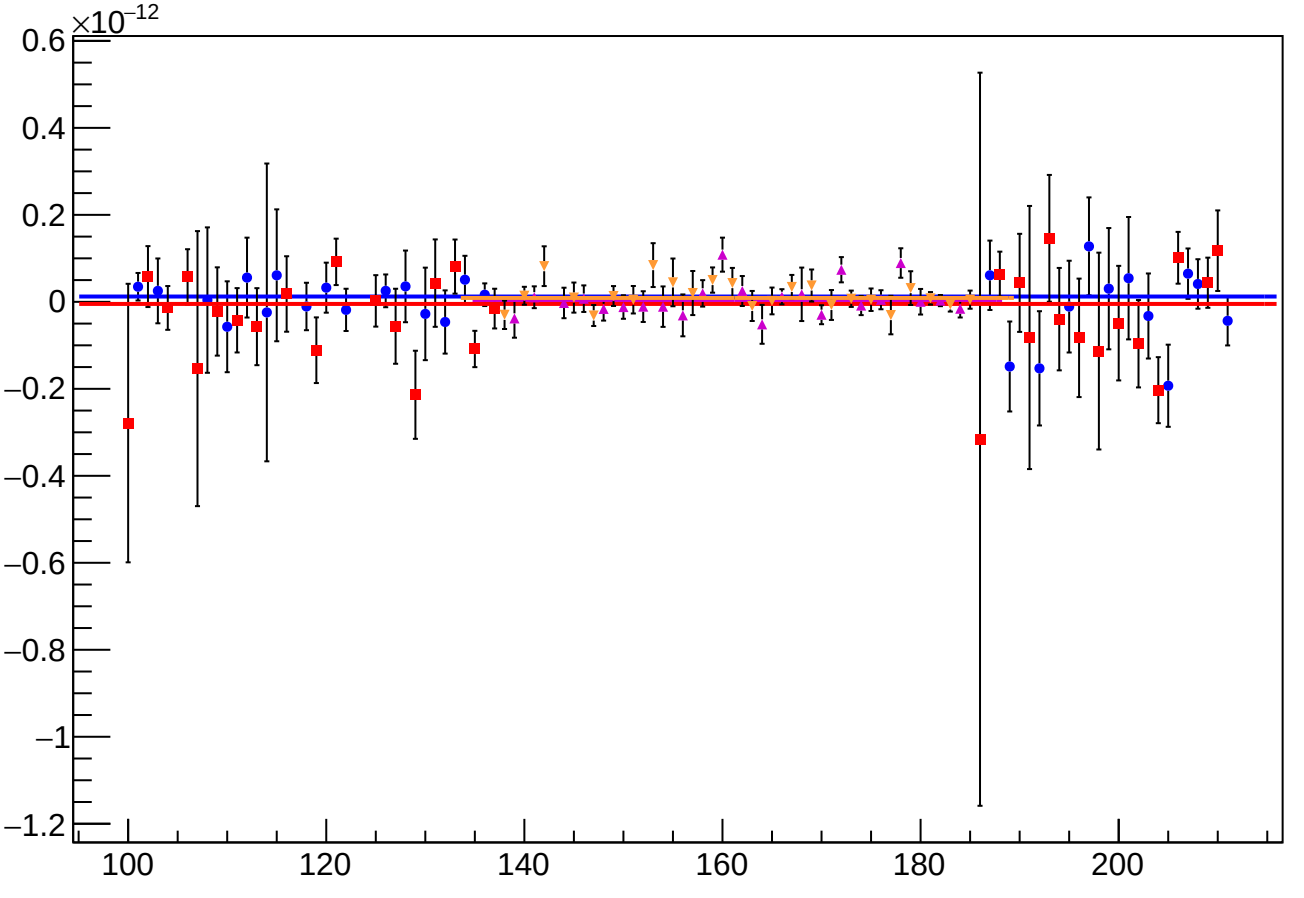
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1514.780+/-0.185 χ^2/NDF: 1693016.4/59

In: 1648.672+/-0.200 χ^2/NDF:1973112.6/50

Out: 1674.937+/-0.199 χ^2/NDF:2227885.9/55

All: 1661.862+/-0.141 χ^2/NDF: 4209633.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.0/31

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

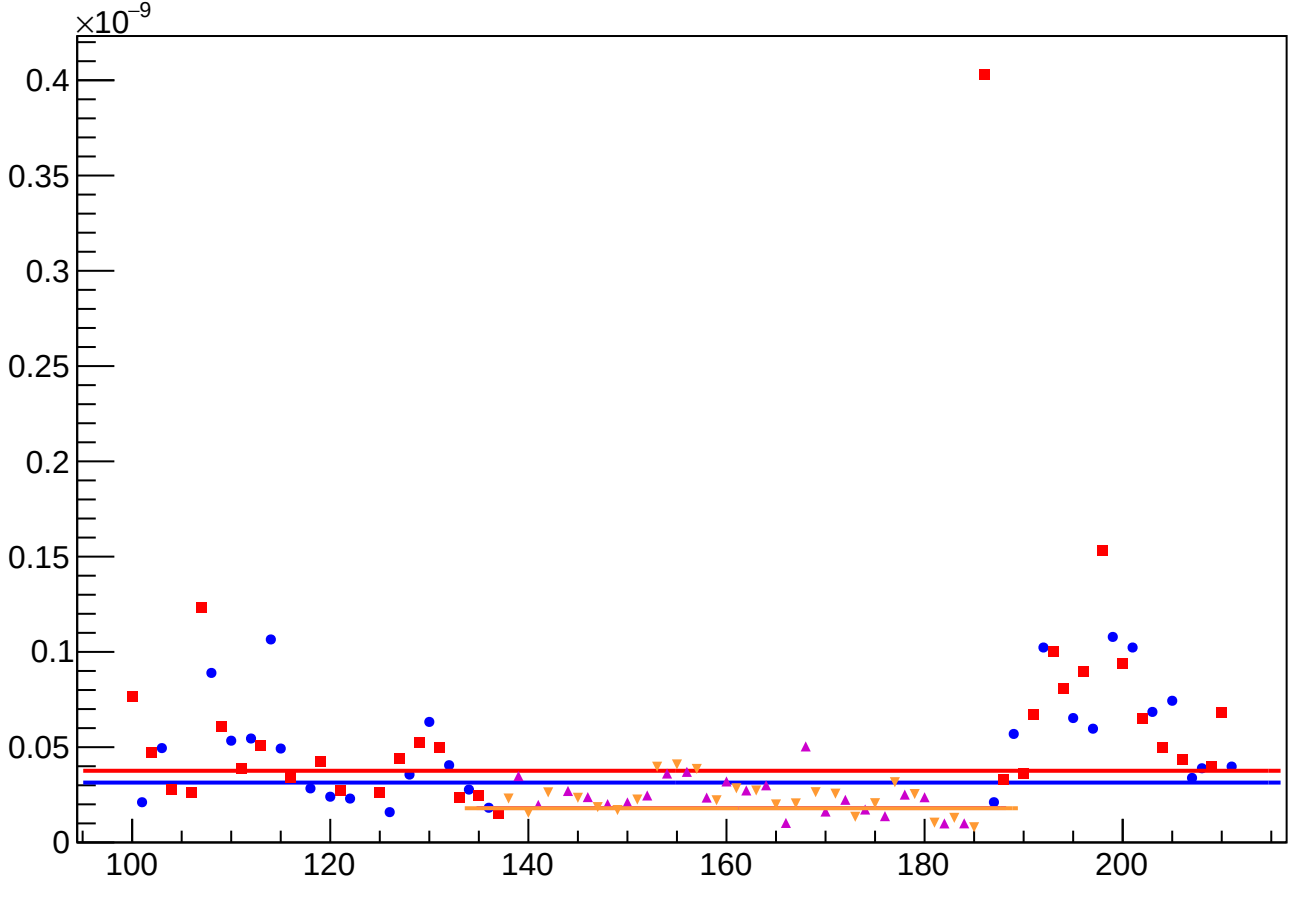
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 56.0/59

In: 0.000+/-0.000 χ^2/NDF:44.6/50

Out: 0.000+/-0.000 χ^2/NDF:56.5/55

All: 0.000+/-0.000 χ^2/NDF: 101.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 5045896.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4204576.1/31

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

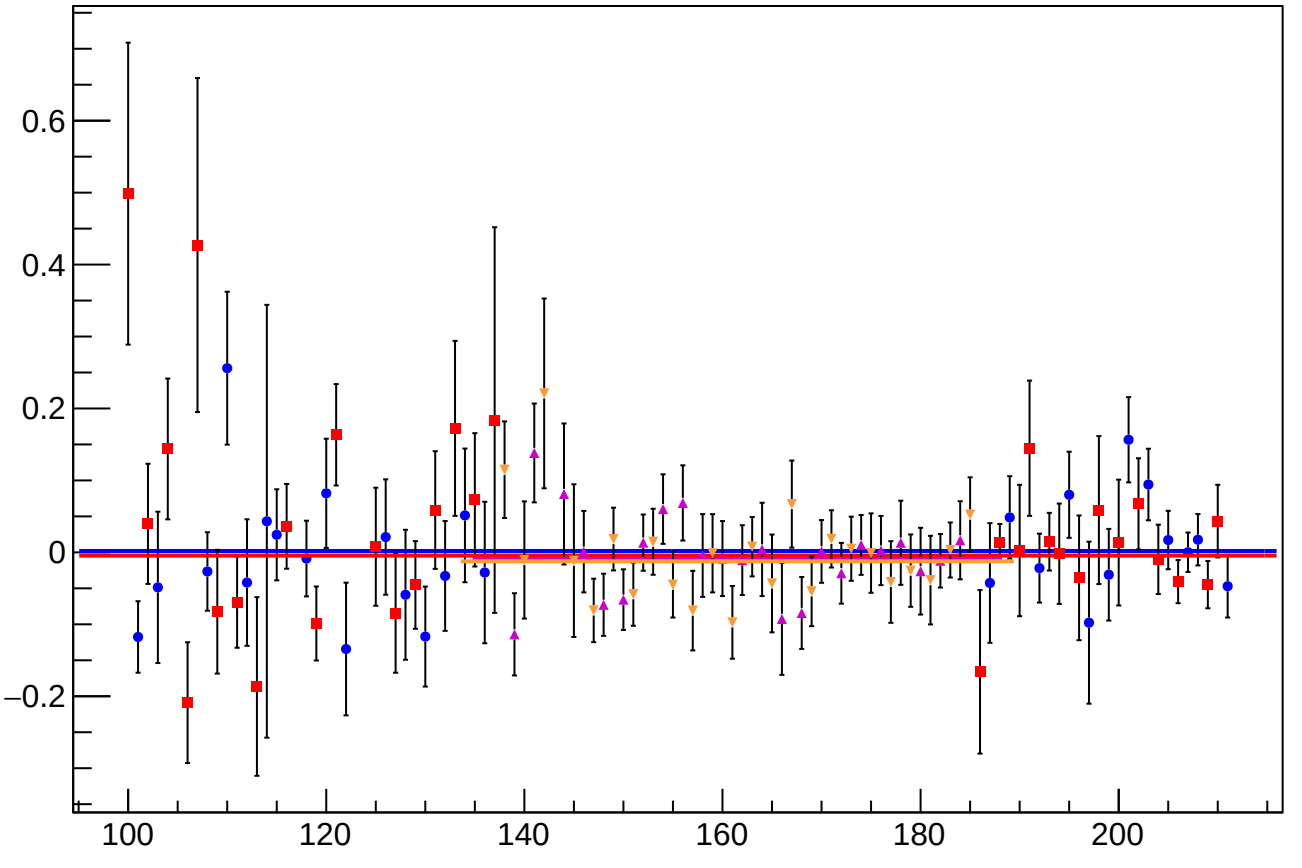
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9490930.6/59

In: 0.000+/-0.000 χ^2/NDF:11331927.5/50

Out: 0.000+/-0.000 χ^2/NDF:11376081.0/55

All: 0.000+/-0.000 χ^2/NDF: 22711601.2/106



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.004+/-0.011 χ^2/NDF: 47.5/31

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

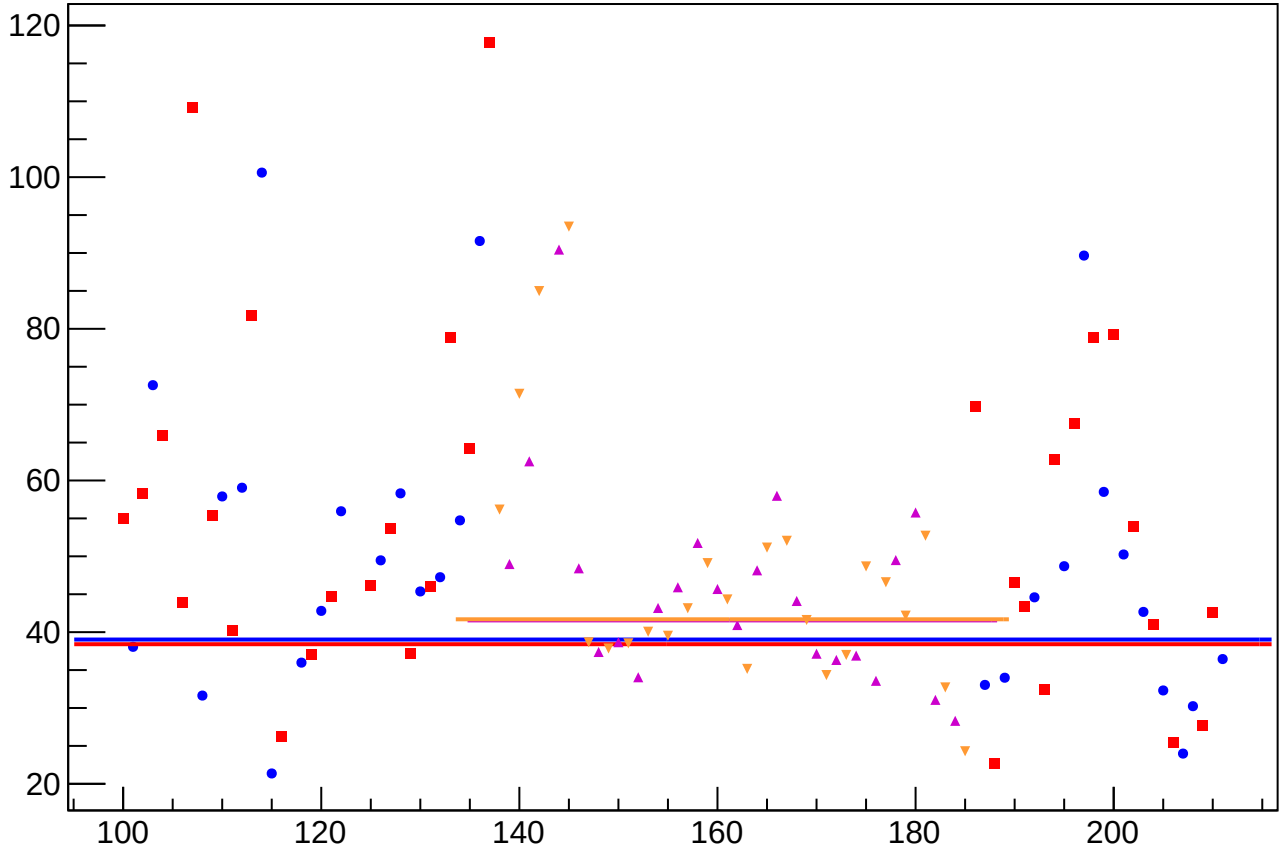
Right: -0.001+/-0.008 χ^2/NDF: 83.3/59

In: -0.004+/-0.008 χ^2/NDF:58.0/50

Out: -0.009+/-0.007 χ^2/NDF:69.7/55

All: -0.006+/-0.005 χ^2/NDF: 127.9/106

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.027+/-0.008 χ^2/NDF: 3084778.5/27

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.411+/-0.008 χ^2/NDF: 4427304.2/31

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

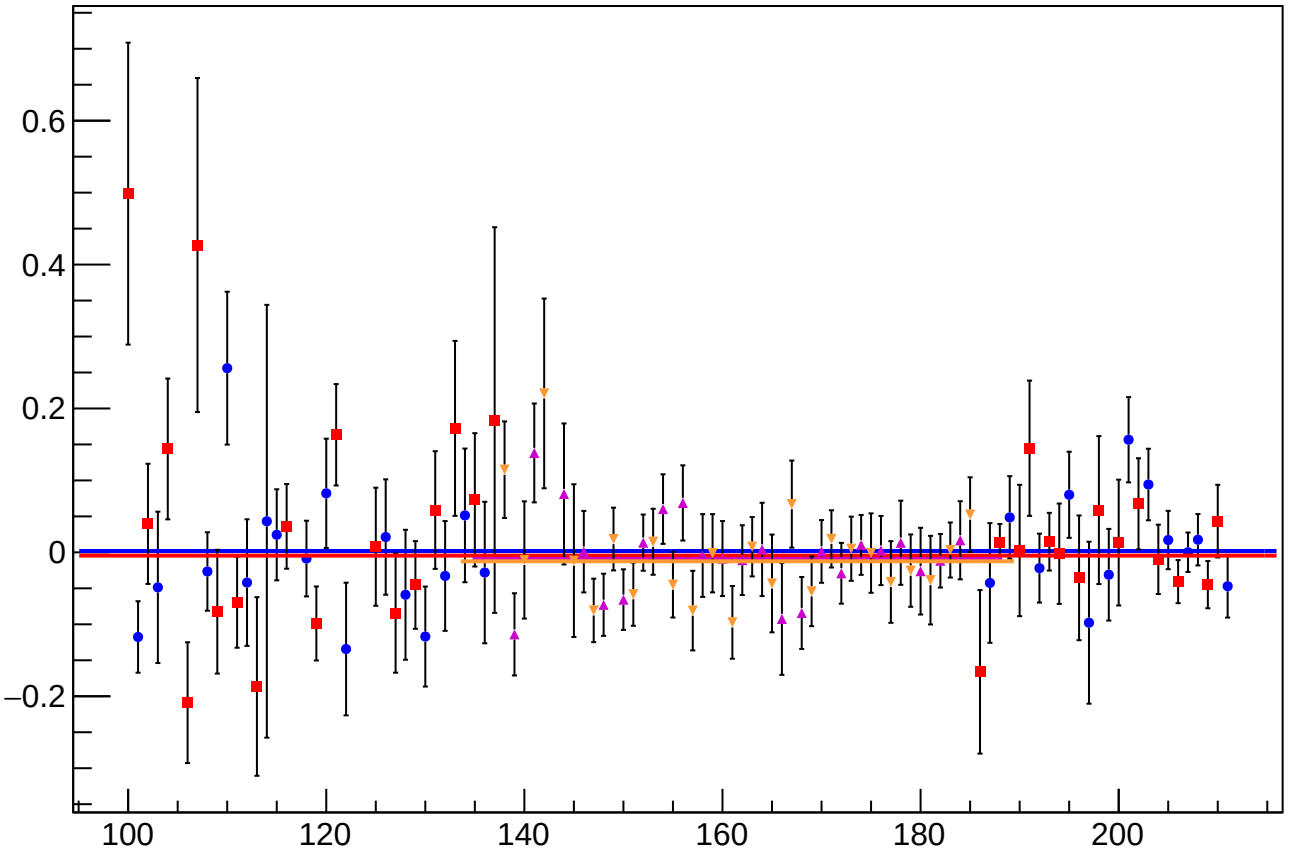
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.710+/-0.005 χ^2/NDF: 7515303.7/59

In: 40.349+/-0.005 χ^2/NDF:4752971.4/50

Out: 40.086+/-0.005 χ^2/NDF:6345035.7/55

All: 40.216+/-0.004 χ^2/NDF: 11099222.3/106



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.004+/-0.011 χ^2/NDF: 47.5/31

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

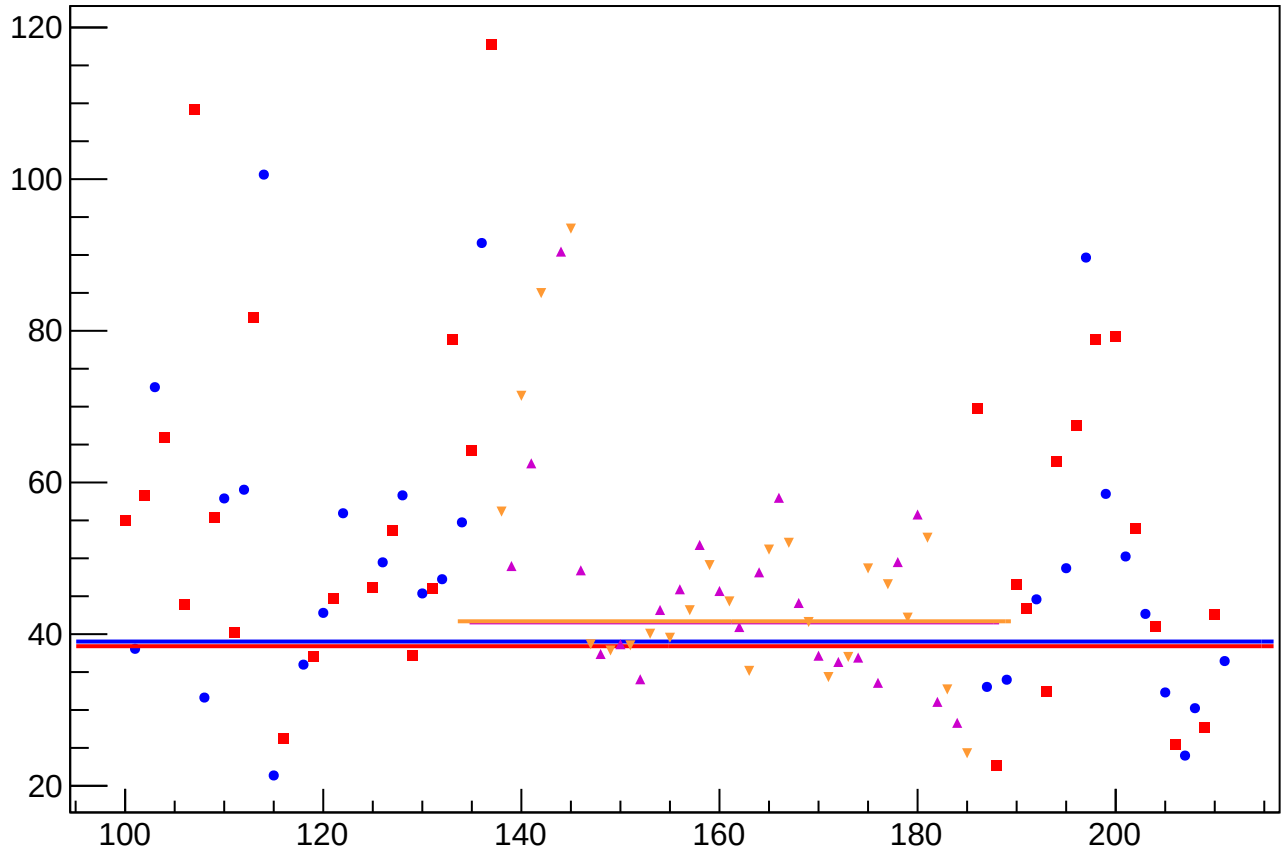
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.008 χ^2/NDF: 83.3/59

In: -0.004+/-0.008 χ^2/NDF:58.0/50

Out: -0.009+/-0.007 χ^2/NDF:69.7/55

All: -0.006+/-0.005 χ^2/NDF: 127.9/106



Right In: 39.027+/-0.008 χ^2/NDF: 3084778.5/27

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.411+/-0.008 χ^2/NDF: 4427304.2/31

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

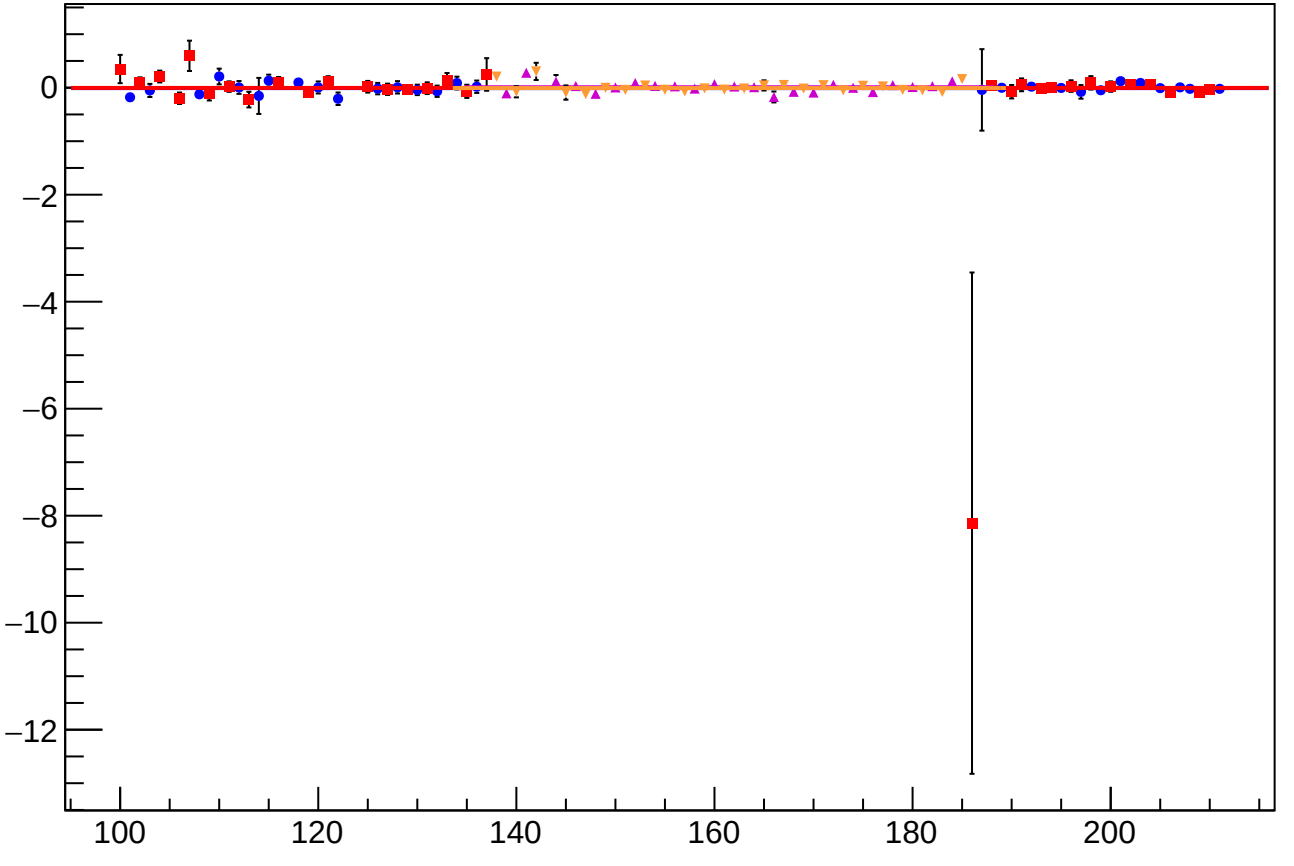
Right: 38.710+/-0.005 χ^2/NDF: 7515303.7/59

In: 40.349+/-0.005 χ^2/NDF:4752971.4/50

Out: 40.086+/-0.005 χ^2/NDF:6345035.7/55

All: 40.216+/-0.004 χ^2/NDF: 11099222.3/106

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.016 χ^2/NDF: 24.6/27

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.004+/-0.016 χ^2/NDF: 36.0/31

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

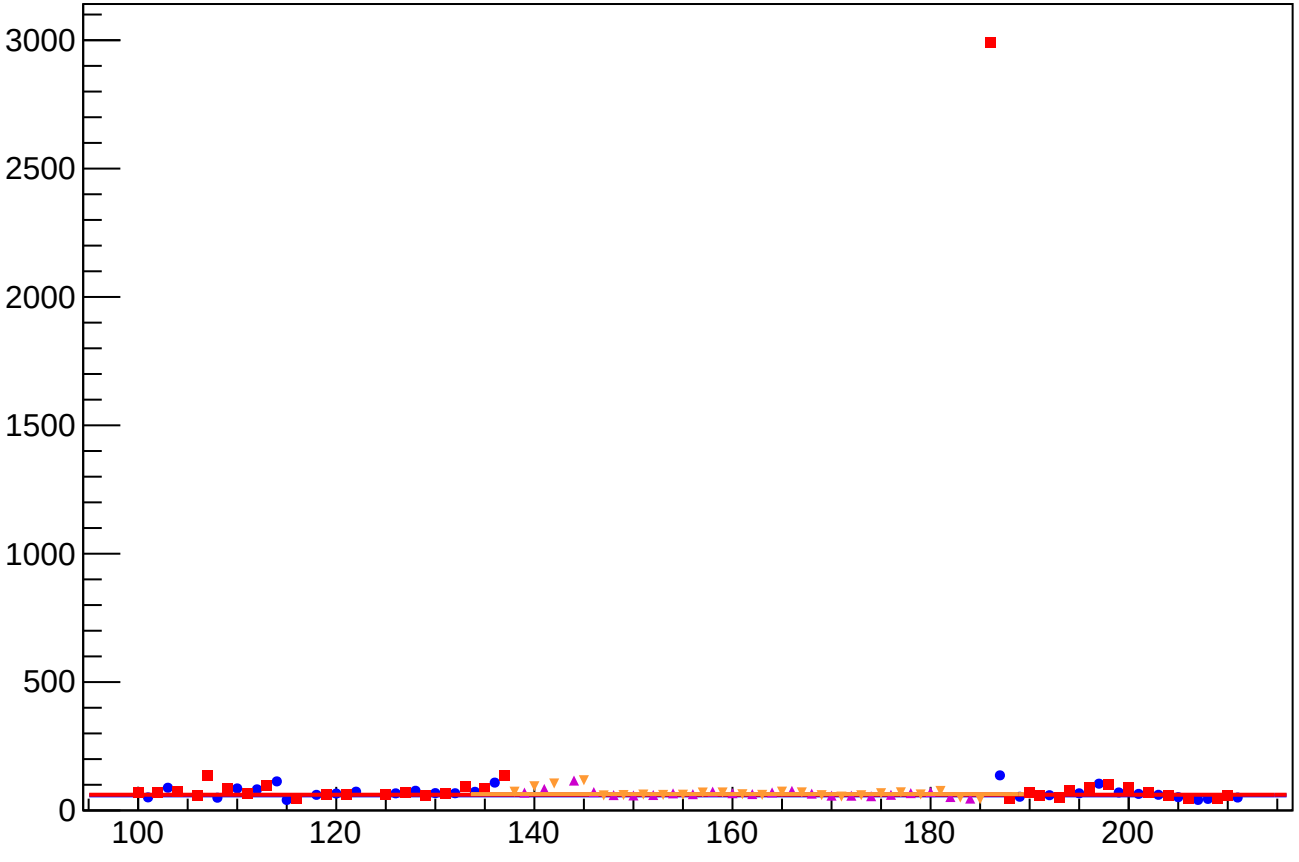
Right: -0.006+/-0.011 χ^2/NDF: 60.7/59

In: 0.000+/-0.011 χ^2/NDF:53.3/50

Out: -0.005+/-0.011 χ^2/NDF:59.7/55

All: -0.003+/-0.008 χ^2/NDF: 113.1/106

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.741+/-0.011 χ^2/NDF: 1826473.5/27

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 61.287+/-0.011 χ^2/NDF: 2721050.5/31

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

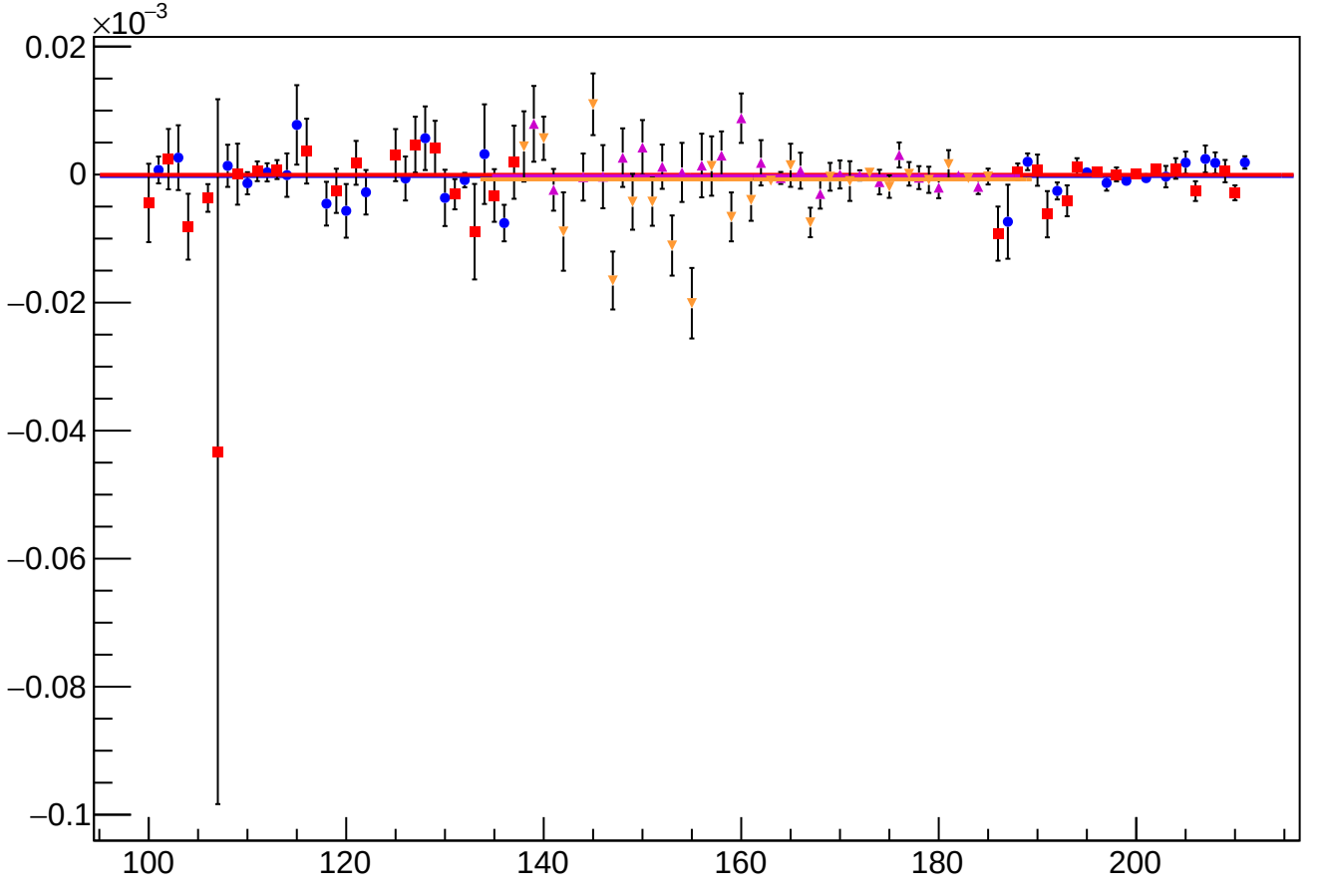
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 60.001+/-0.008 χ^2/NDF: 4573690.8/59

In: 61.417+/-0.008 χ^2/NDF:2780824.8/50

Out: 62.566+/-0.008 χ^2/NDF:3825318.4/55

All: 61.991+/-0.006 χ^2/NDF: 6617001.1/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/31

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

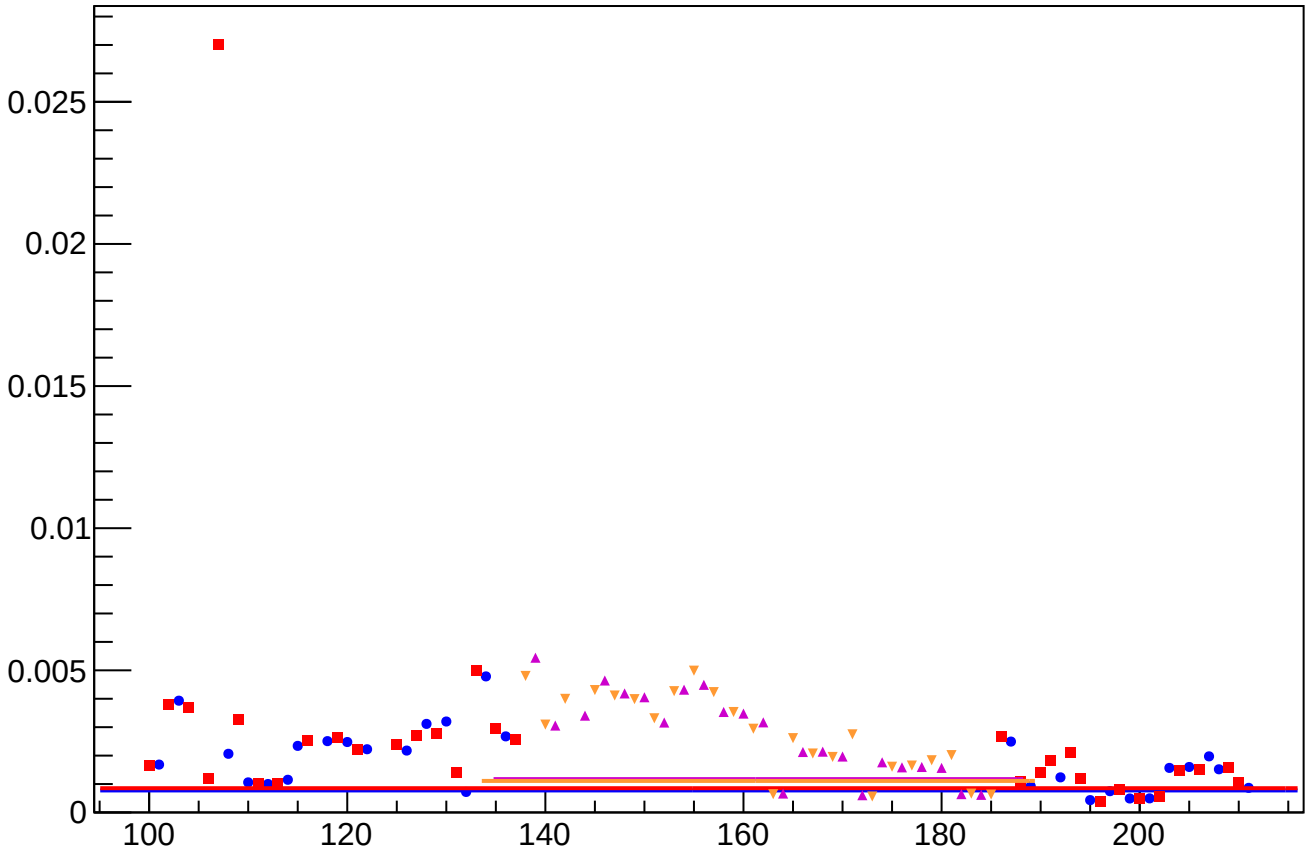
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 75.4/59

In: -0.000+/-0.000 χ^2/NDF:56.1/50

Out: -0.000+/-0.000 χ^2/NDF:100.5/55

All: -0.000+/-0.000 χ^2/NDF: 156.7/106



Right In: 0.001+/-0.000 χ^2/NDF: 10141892.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 11014373.6/31

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

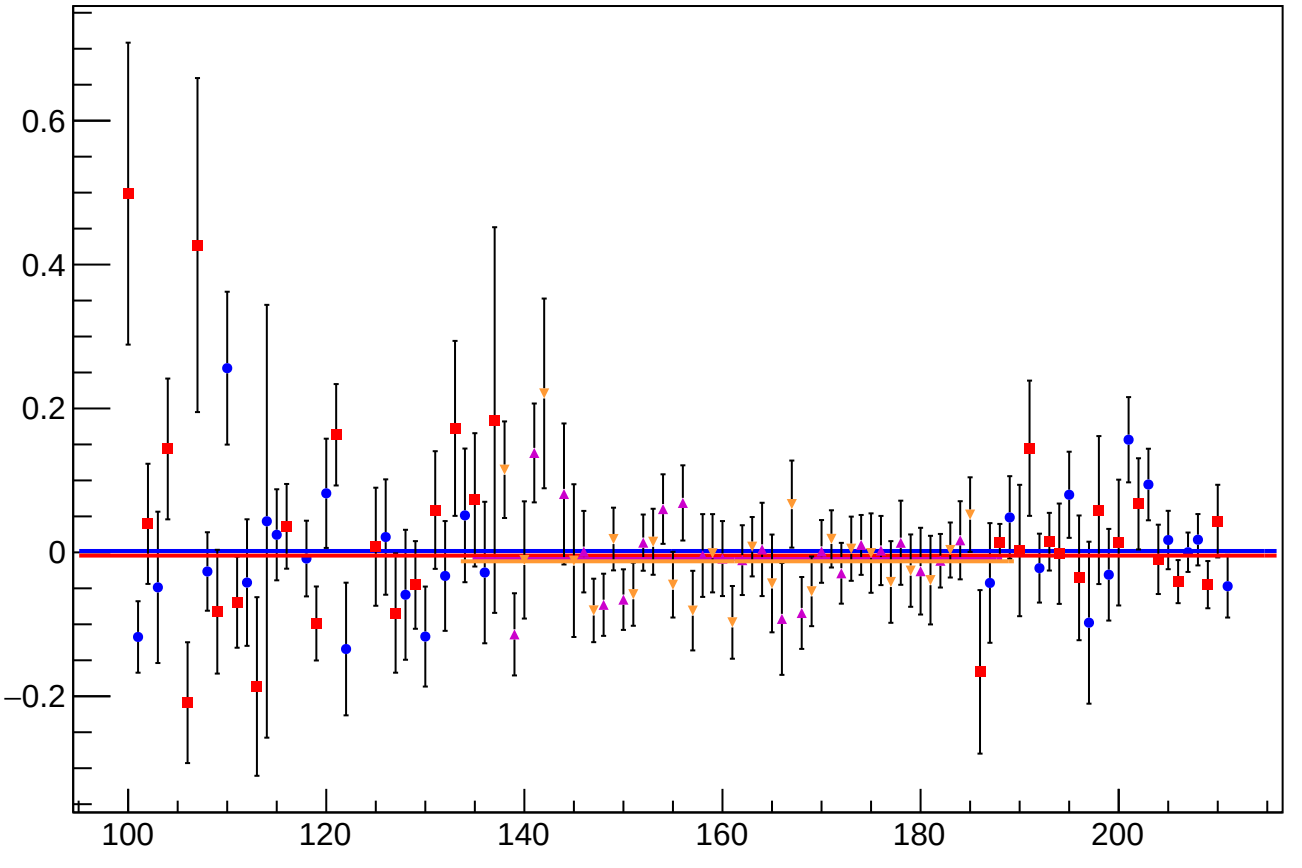
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 21256108.8/59

In: 0.001+/-0.000 χ^2/NDF:26102143.9/50

Out: 0.001+/-0.000 χ^2/NDF:26890271.1/55

All: 0.001+/-0.000 χ^2/NDF: 53053854.1/106



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.004+/-0.011 χ^2/NDF: 47.5/31

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

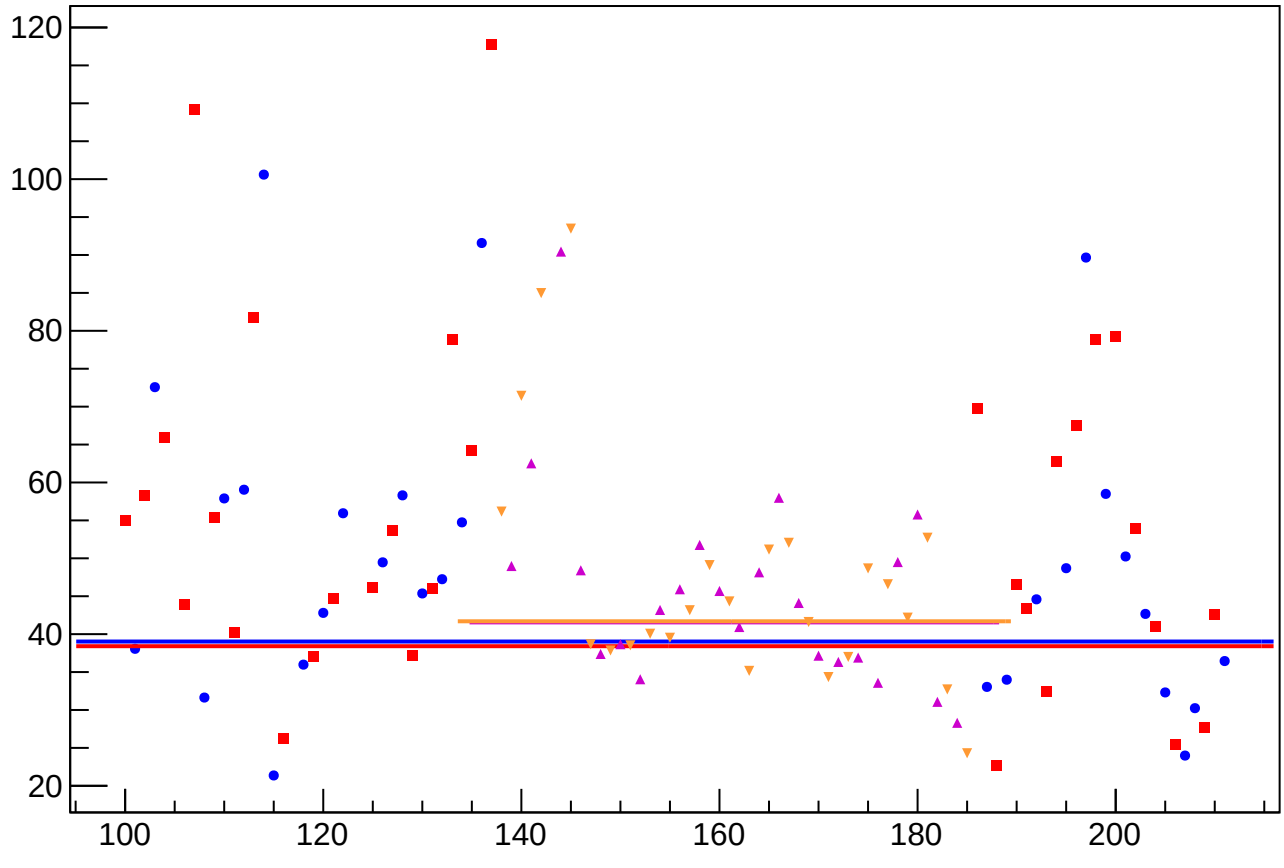
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.008 χ^2/NDF: 83.3/59

In: -0.004+/-0.008 χ^2/NDF:58.0/50

Out: -0.009+/-0.007 χ^2/NDF:69.7/55

All: -0.006+/-0.005 χ^2/NDF: 127.9/106



Right In: 39.026+/-0.008 χ^2/NDF: 3084763.7/27

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.410+/-0.008 χ^2/NDF: 4427198.5/31

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

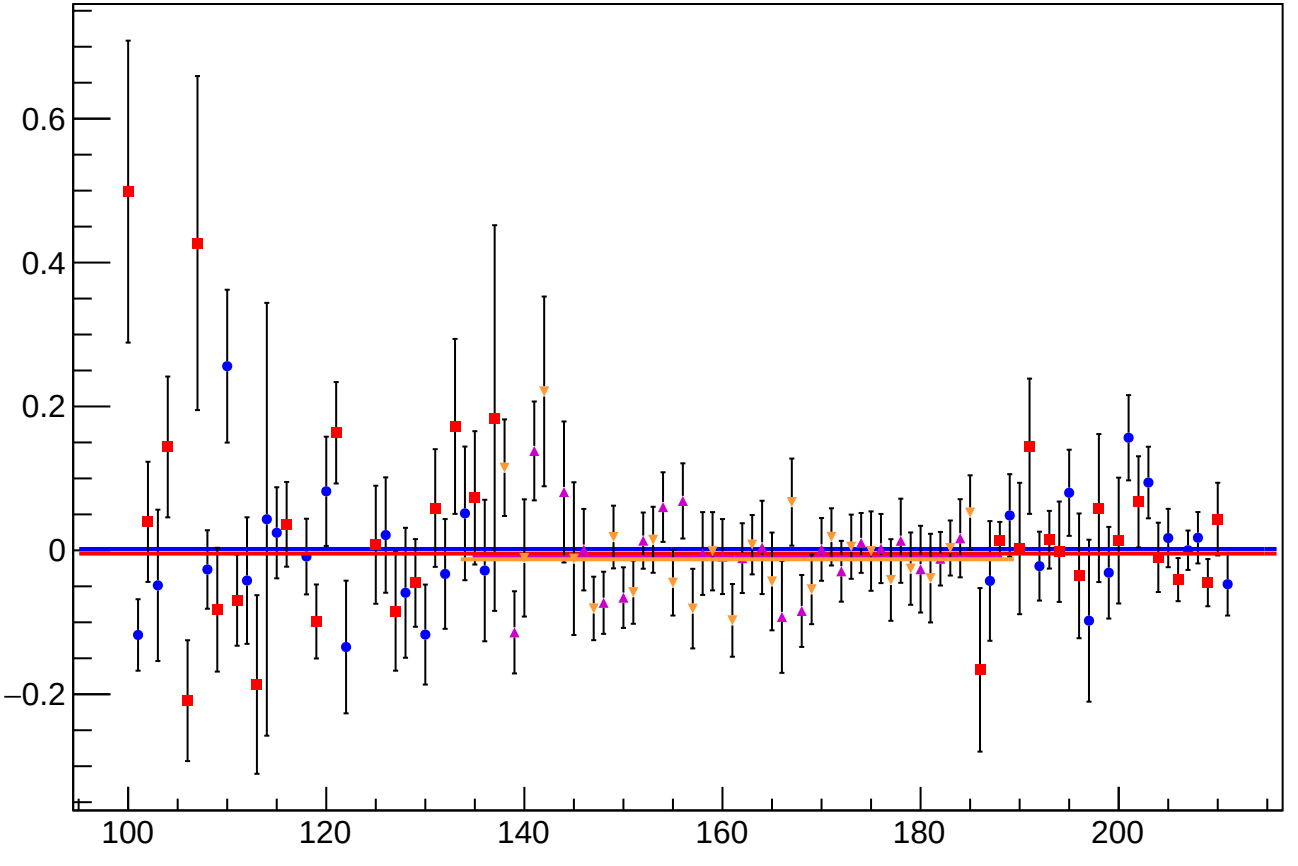
Right: 38.710+/-0.005 χ^2/NDF: 7515181.9/59

In: 40.349+/-0.005 χ^2/NDF:4752939.2/50

Out: 40.086+/-0.005 χ^2/NDF:6344905.5/55

All: 40.216+/-0.004 χ^2/NDF: 11099060.1/106

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.011 χ^2/NDF: 35.6/27

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.004+/-0.011 χ^2/NDF: 47.5/31

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

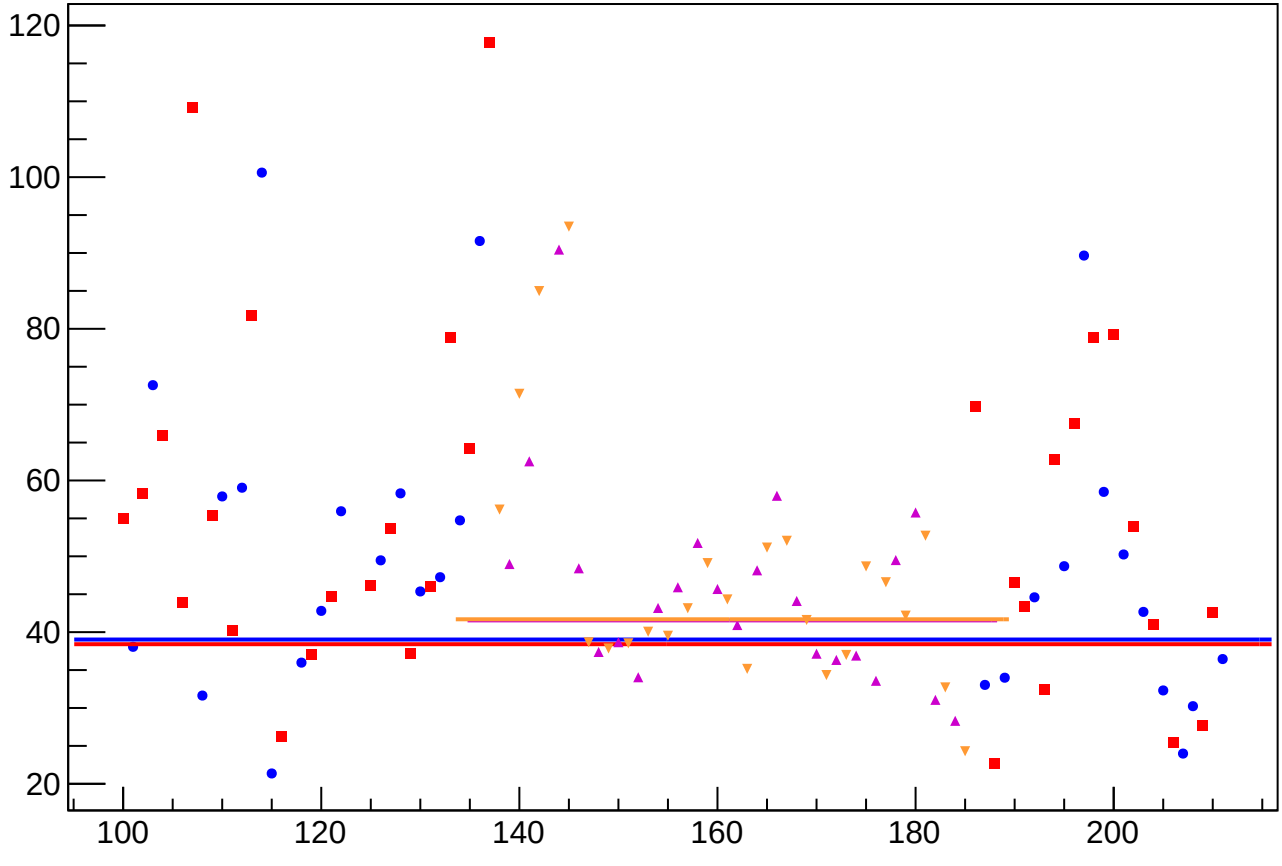
Right: -0.001+/-0.008 χ^2/NDF: 83.3/59

In: -0.004+/-0.008 χ^2/NDF:58.0/50

Out: -0.009+/-0.007 χ^2/NDF:69.7/55

All: -0.006+/-0.005 χ^2/NDF: 127.9/106

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.026+/-0.008 χ^2/NDF: 3084763.7/27

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.410+/-0.008 χ^2/NDF: 4427198.5/31

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

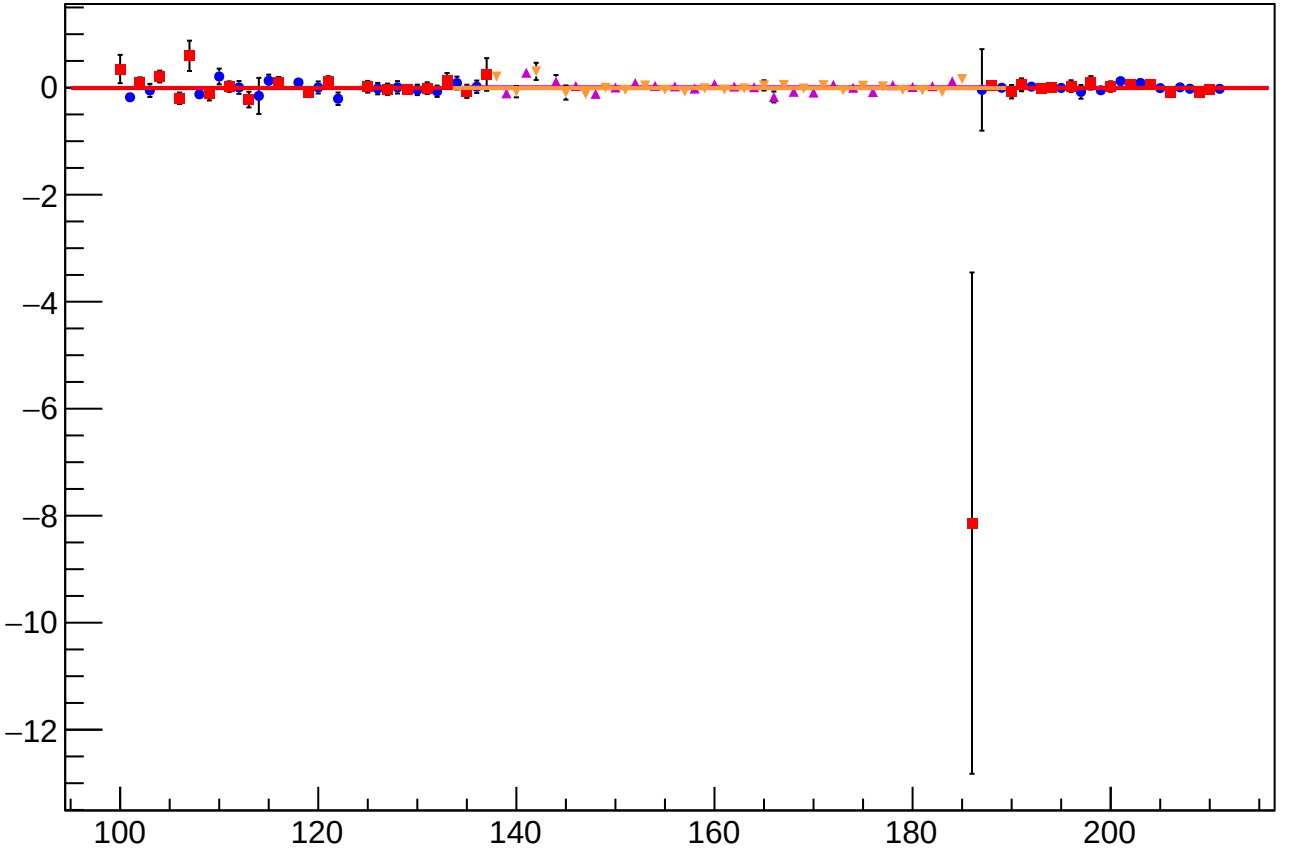
Right: 38.710+/-0.005 χ^2/NDF: 7515181.9/59

In: 40.349+/-0.005 χ^2/NDF:4752939.2/50

Out: 40.086+/-0.005 χ^2/NDF:6344905.5/55

All: 40.216+/-0.004 χ^2/NDF: 11099060.1/106

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.016 χ^2/NDF: 24.6/27

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.004+/-0.016 χ^2/NDF: 36.0/31

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

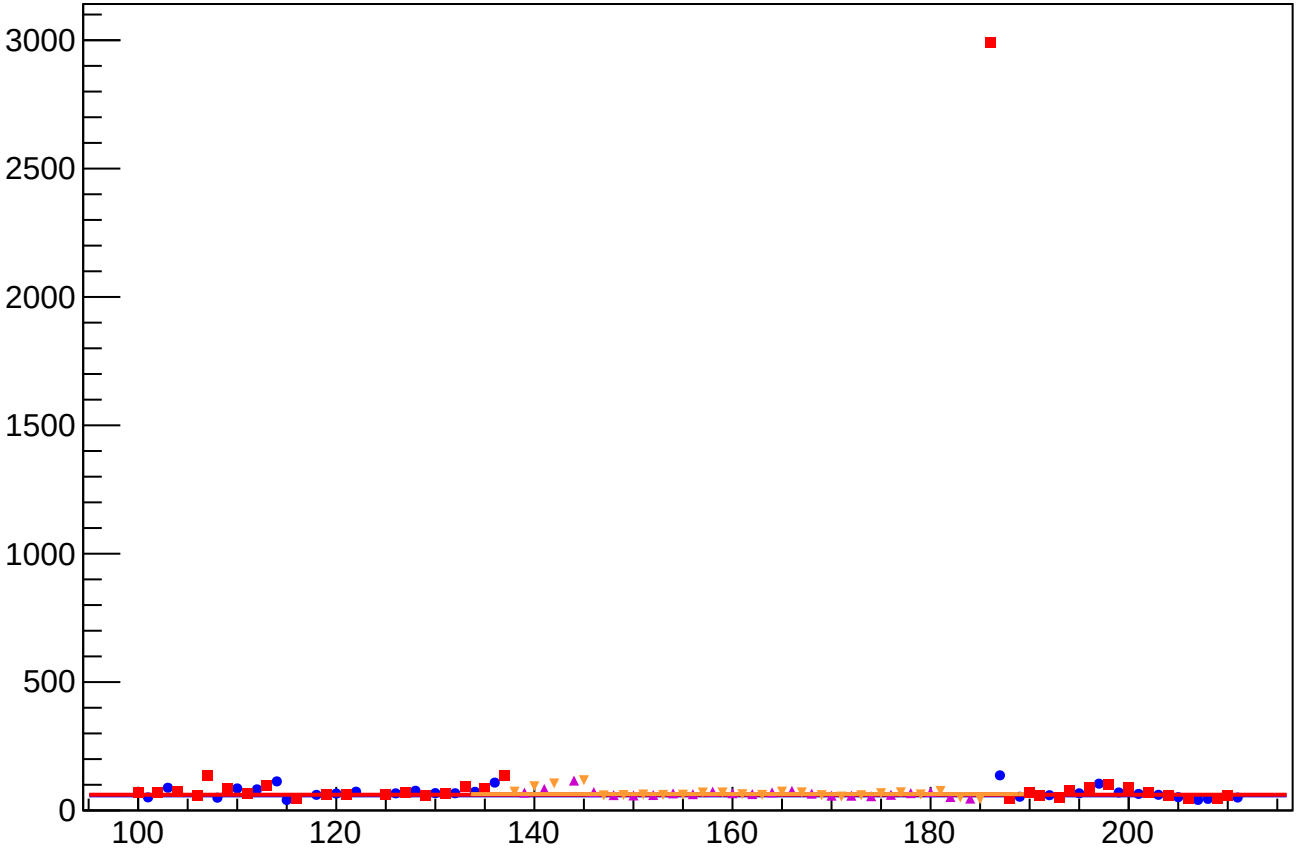
Right: -0.006+/-0.011 χ^2/NDF: 60.7/59

In: 0.000+/-0.011 χ^2/NDF:53.3/50

Out: -0.005+/-0.011 χ^2/NDF:59.7/55

All: -0.003+/-0.008 χ^2/NDF: 113.1/106

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.741+/-0.011 χ^2/NDF: 1826467.1/27

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 61.287+/-0.011 χ^2/NDF: 2721024.0/31

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

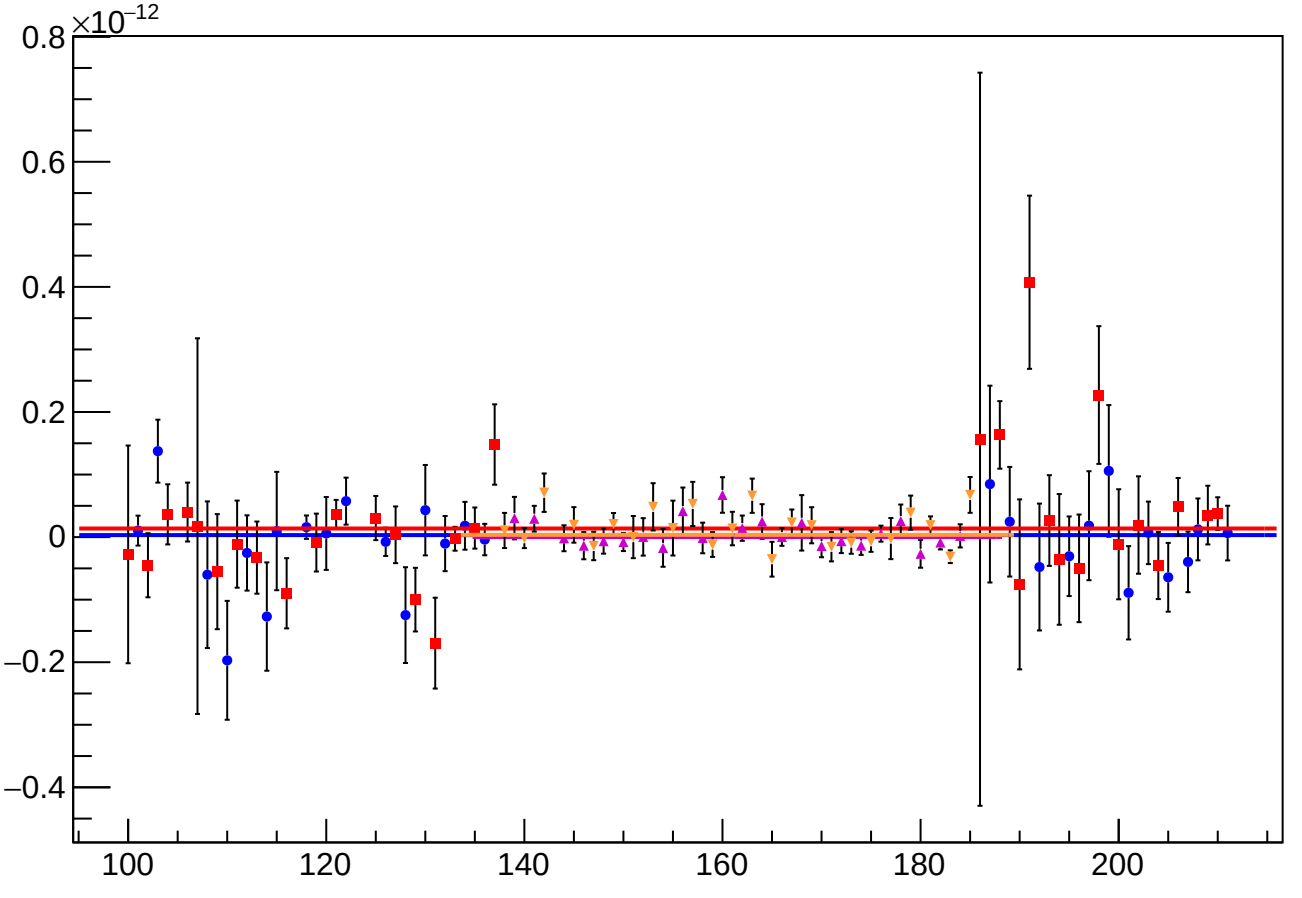
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 60.001+/-0.008 χ^2/NDF: 4573656.6/59

In: 61.417+/-0.008 χ^2/NDF:2780827.0/50

Out: 62.566+/-0.008 χ^2/NDF:3825285.8/55

All: 61.990+/-0.006 χ^2/NDF: 6616969.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.3/31

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

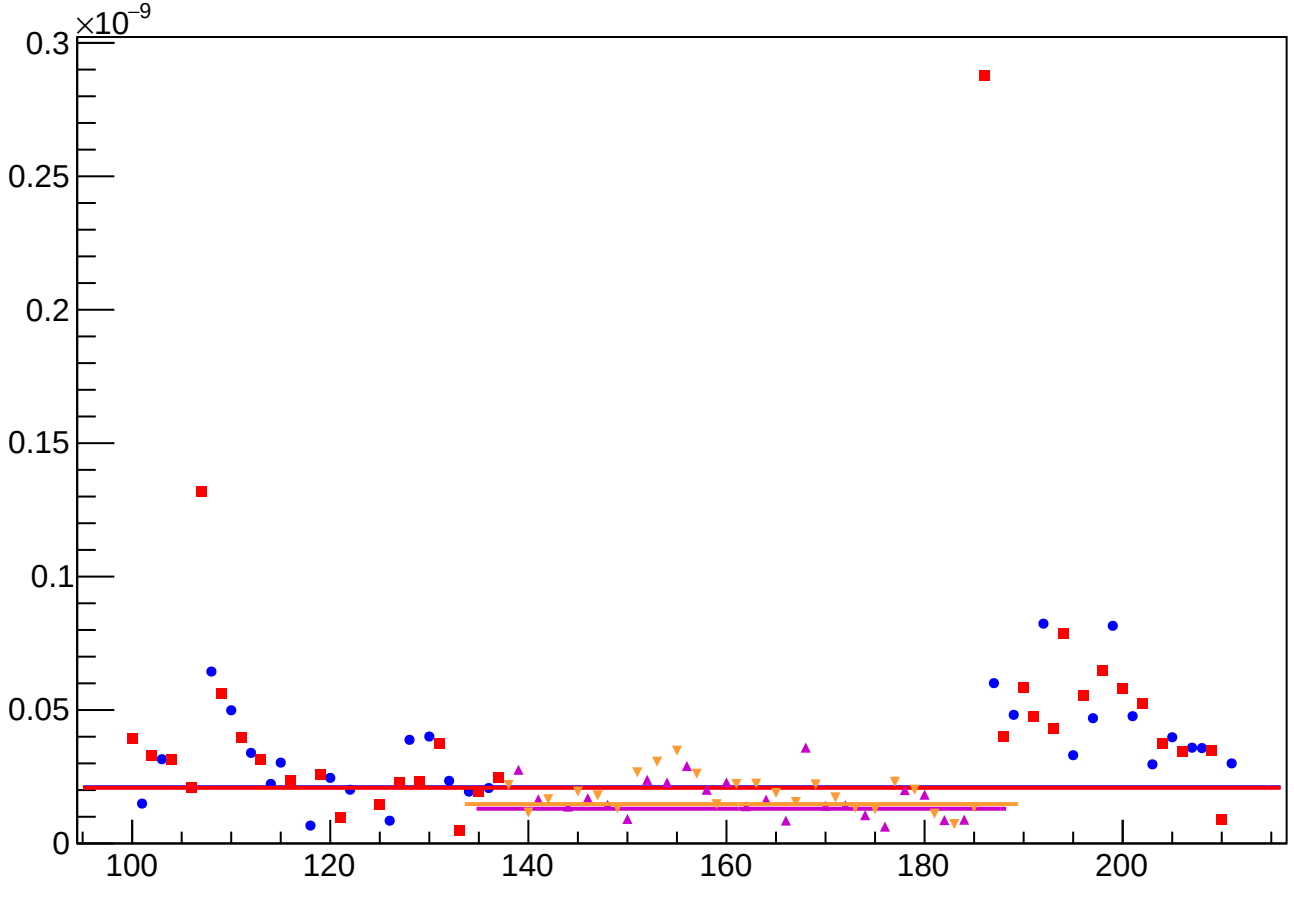
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 75.5/59

In: 0.000+/-0.000 χ^2/NDF:43.6/50

Out: 0.000+/-0.000 χ^2/NDF:90.1/55

All: 0.000+/-0.000 χ^2/NDF: 134.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 5793021.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7067850.8/31

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

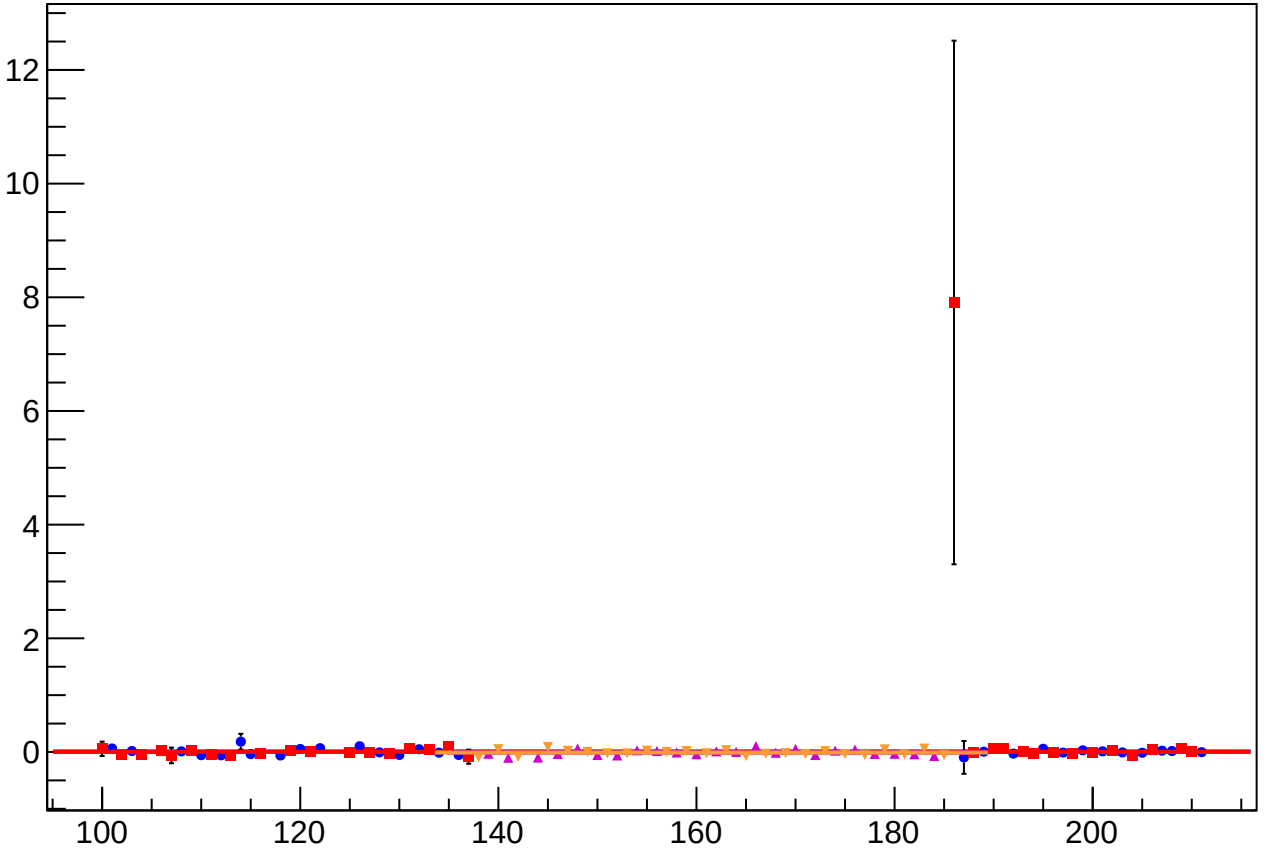
Right: 0.000+/-0.000 χ^2/NDF: 12861450.5/59

In: 0.000+/-0.000 χ^2/NDF:11263037.6/50

Out: 0.000+/-0.000 χ^2/NDF:11440118.4/55

All: 0.000+/-0.000 χ^2/NDF: 22859440.9/106

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 19.7/27

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.003+/-0.008 χ^2/NDF: 28.2/31

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

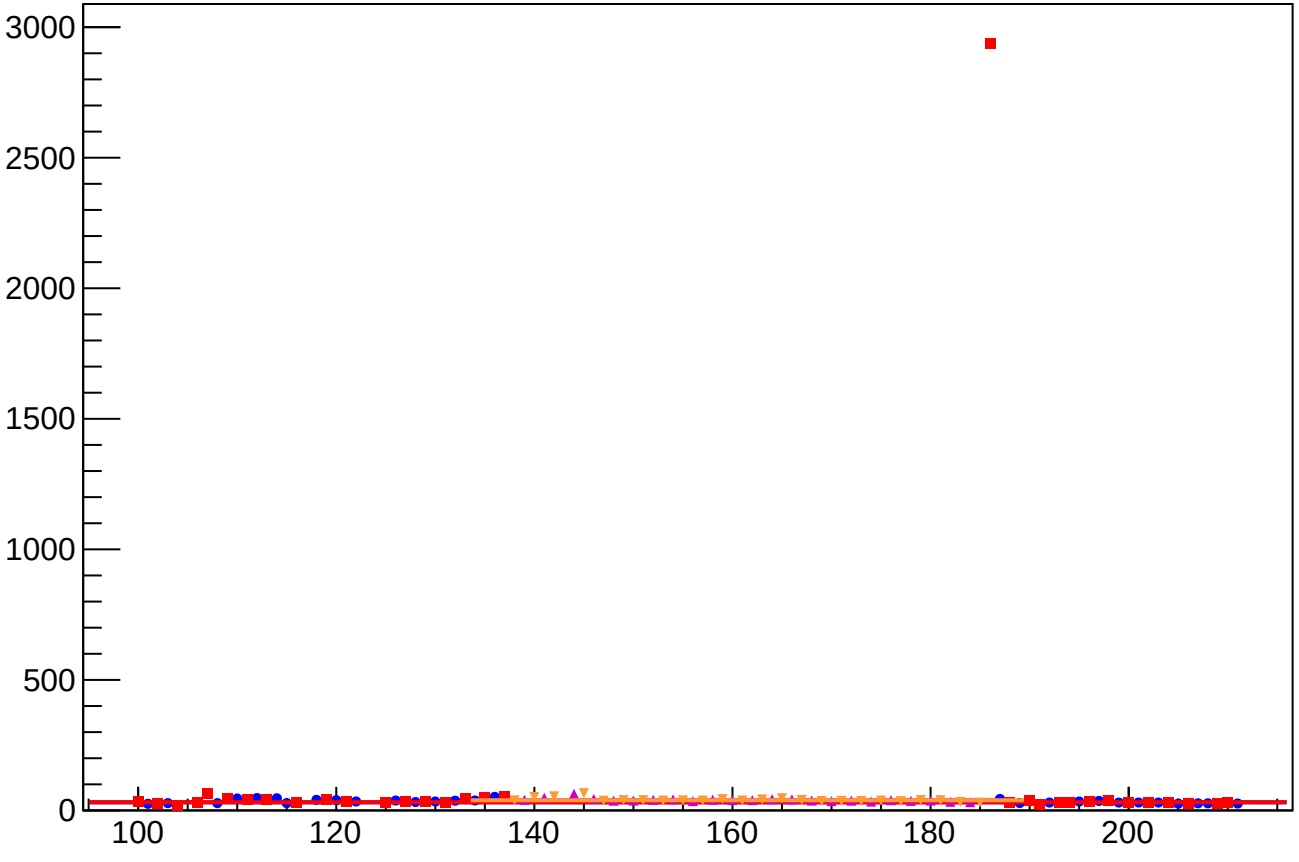
Right: 0.005+/-0.006 χ^2/NDF: 48.1/59

In: 0.000+/-0.006 χ^2/NDF:45.3/50

Out: -0.003+/-0.006 χ^2/NDF:48.7/55

All: -0.001+/-0.004 χ^2/NDF: 94.1/106

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.105+/-0.006 χ^2/NDF: 962067.0/27

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.424+/-0.006 χ^2/NDF: 1986234.1/31

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

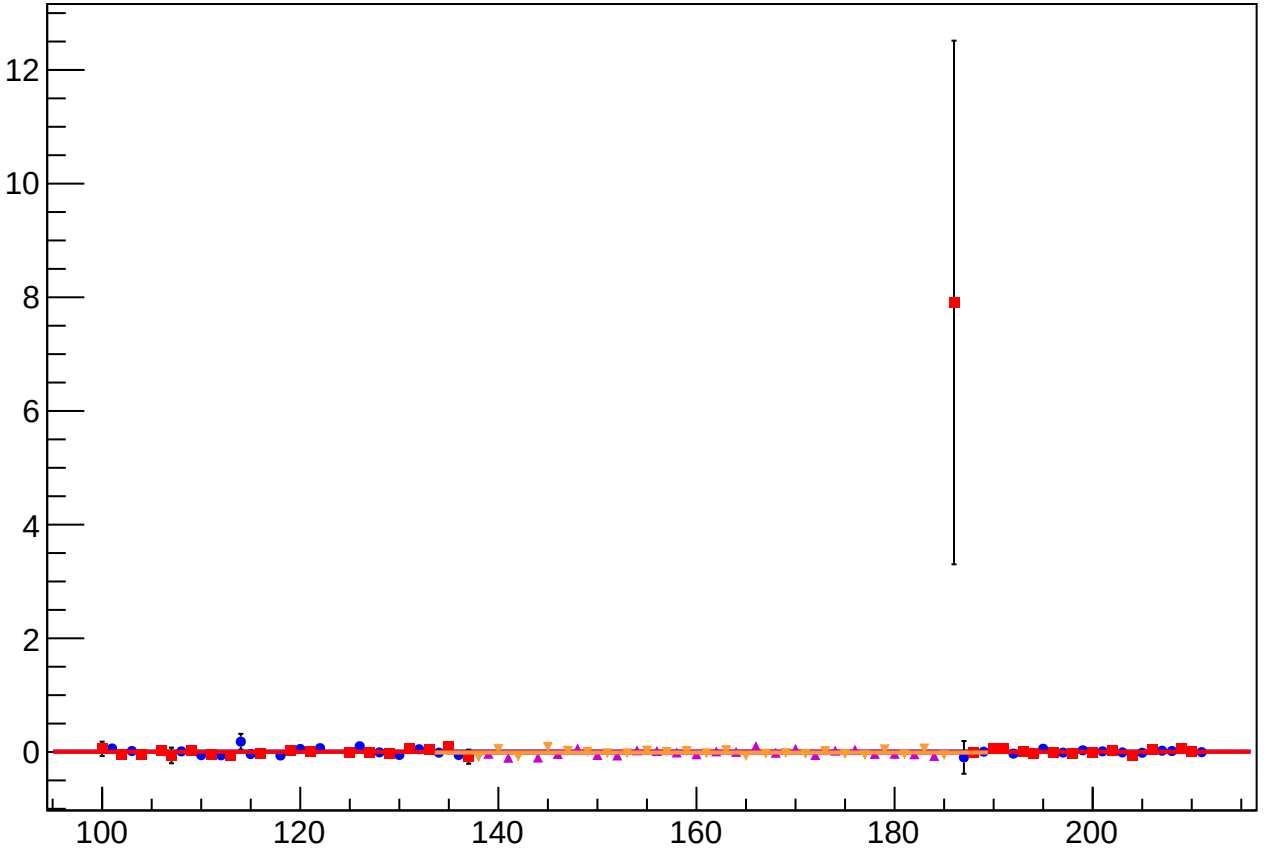
Right: 31.268+/-0.004 χ^2/NDF: 2949854.4/59

In: 34.510+/-0.004 χ^2/NDF:2308661.9/50

Out: 34.565+/-0.004 χ^2/NDF:3353664.0/55

All: 34.538+/-0.003 χ^2/NDF: 5662403.9/106

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 19.7/27

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.003+/-0.008 χ^2/NDF: 28.2/31

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

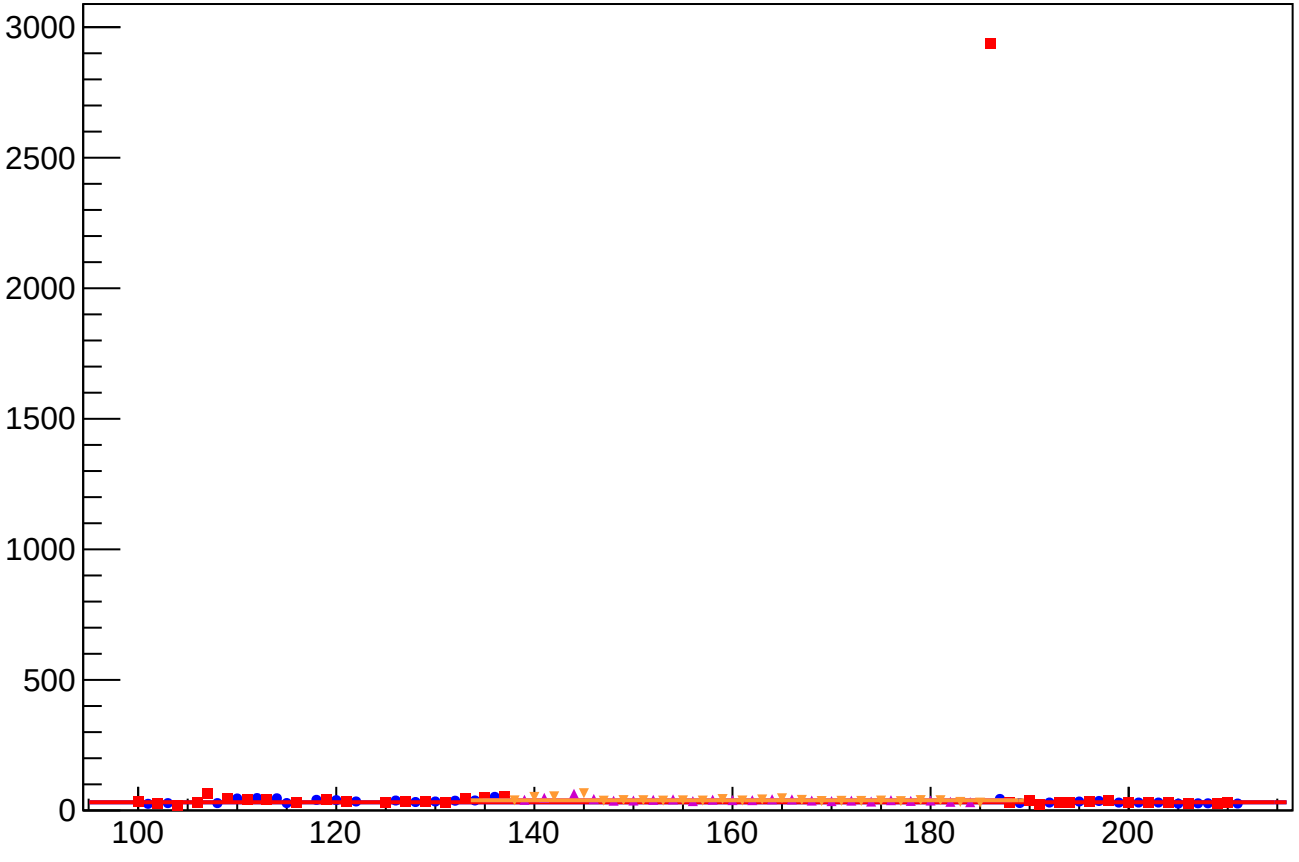
Right: 0.005+/-0.006 χ^2/NDF: 48.1/59

In: 0.000+/-0.006 χ^2/NDF:45.3/50

Out: -0.003+/-0.006 χ^2/NDF:48.7/55

All: -0.001+/-0.004 χ^2/NDF: 94.1/106

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.105+/-0.006 χ^2/NDF: 962067.0/27

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.424+/-0.006 χ^2/NDF: 1986234.1/31

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

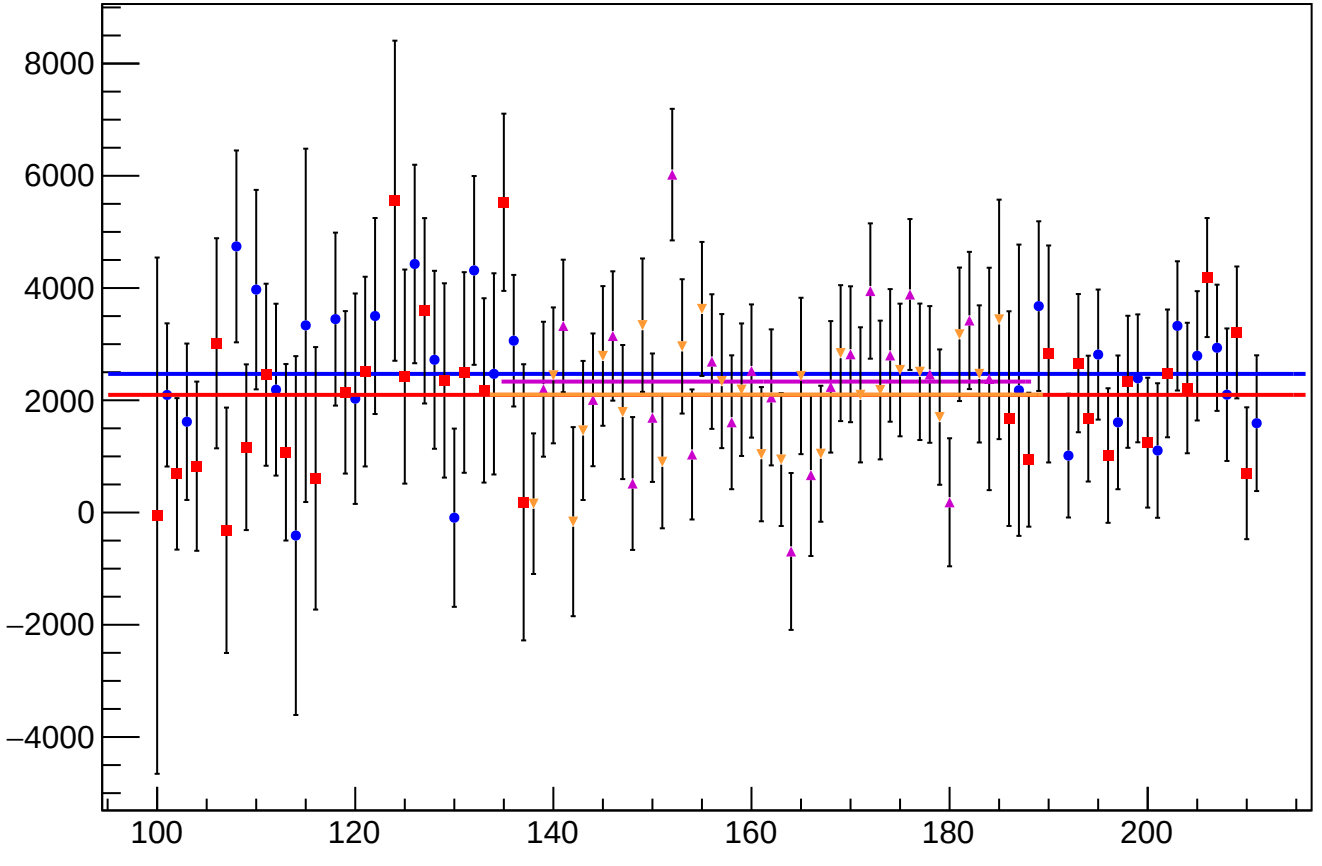
Right: 31.268+/-0.004 χ^2/NDF: 2949854.4/59

In: 34.510+/-0.004 χ^2/NDF:2308661.9/50

Out: 34.565+/-0.004 χ^2/NDF:3353664.0/55

All: 34.538+/-0.003 χ^2/NDF: 5662403.9/106

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2096.457+/-259.539 χ^2/NDF: 21.7/31

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

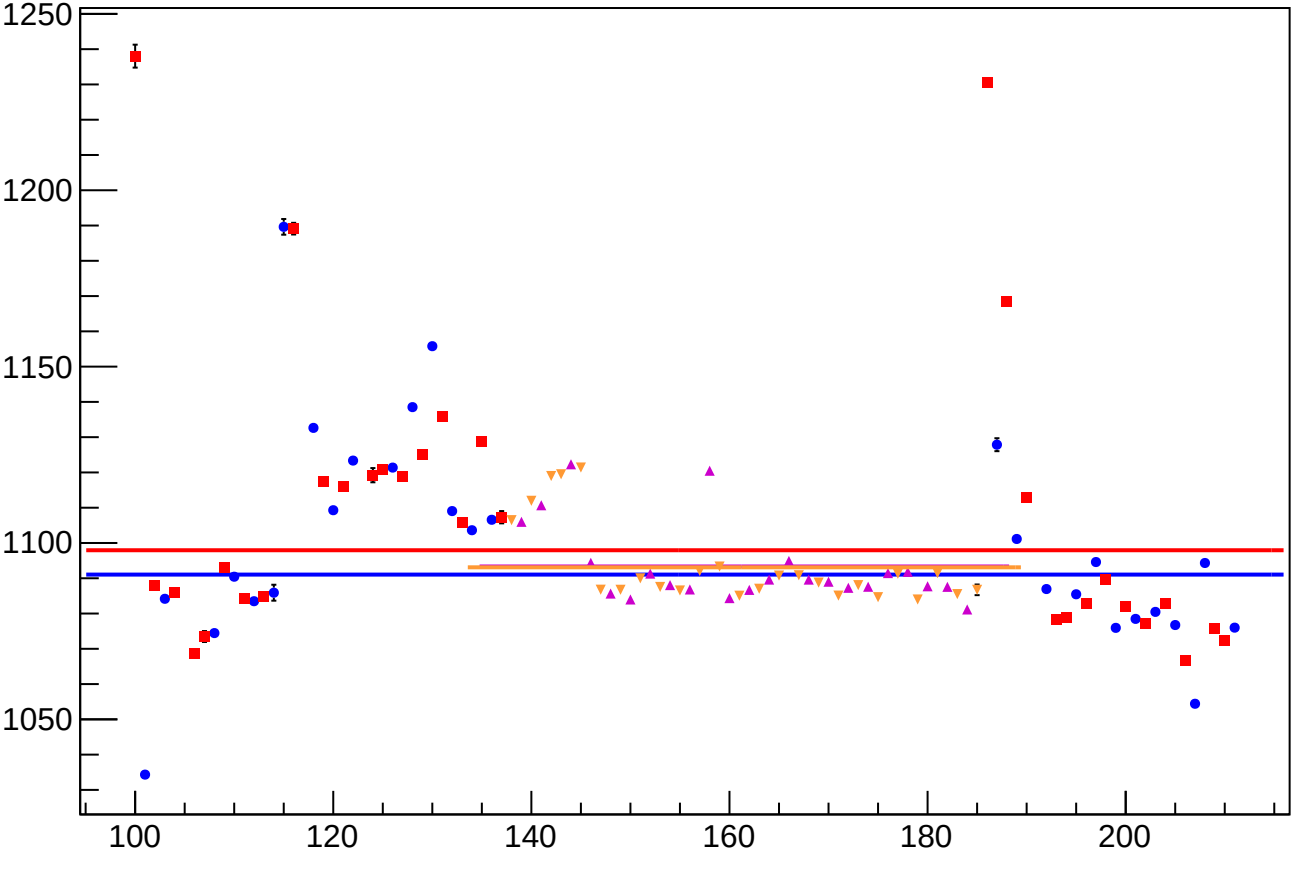
Right: 2277.656+/-186.270 χ^2/NDF: 38.5/59

In: 2398.340+/-184.678 χ^2/NDF:45.3/50

Out: 2098.515+/-179.419 χ^2/NDF:35.6/56

All: 2244.097+/-128.687 χ^2/NDF: 82.3/107

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

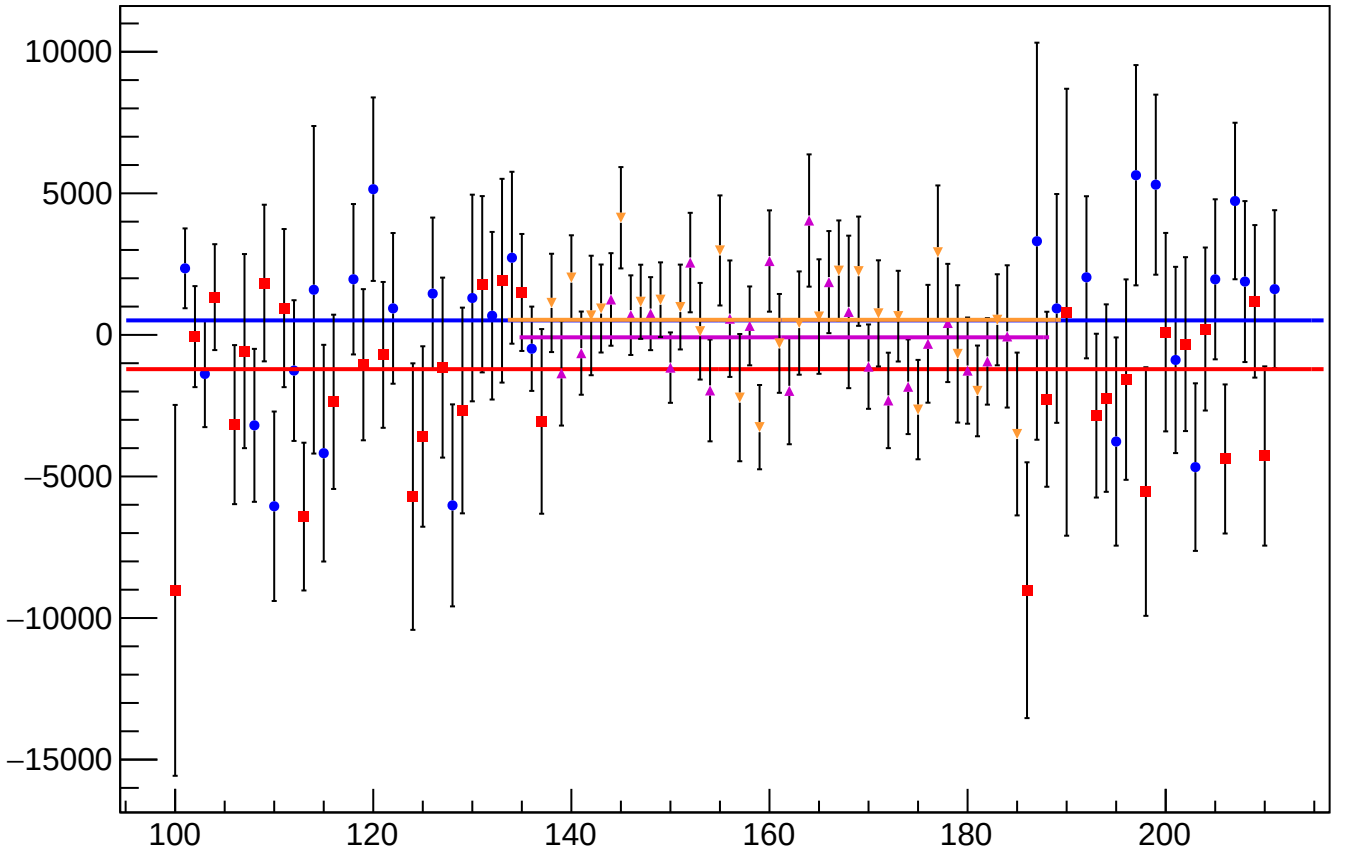
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1094.596+/-0.132 χ^2/NDF: 52398.1/59

In: 1092.243+/-0.131 χ^2/NDF:22803.6/50

Out: 1095.416+/-0.127 χ^2/NDF:37057.9/56

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1209.971+/-522.225 χ^2/NDF: 23.7/31

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

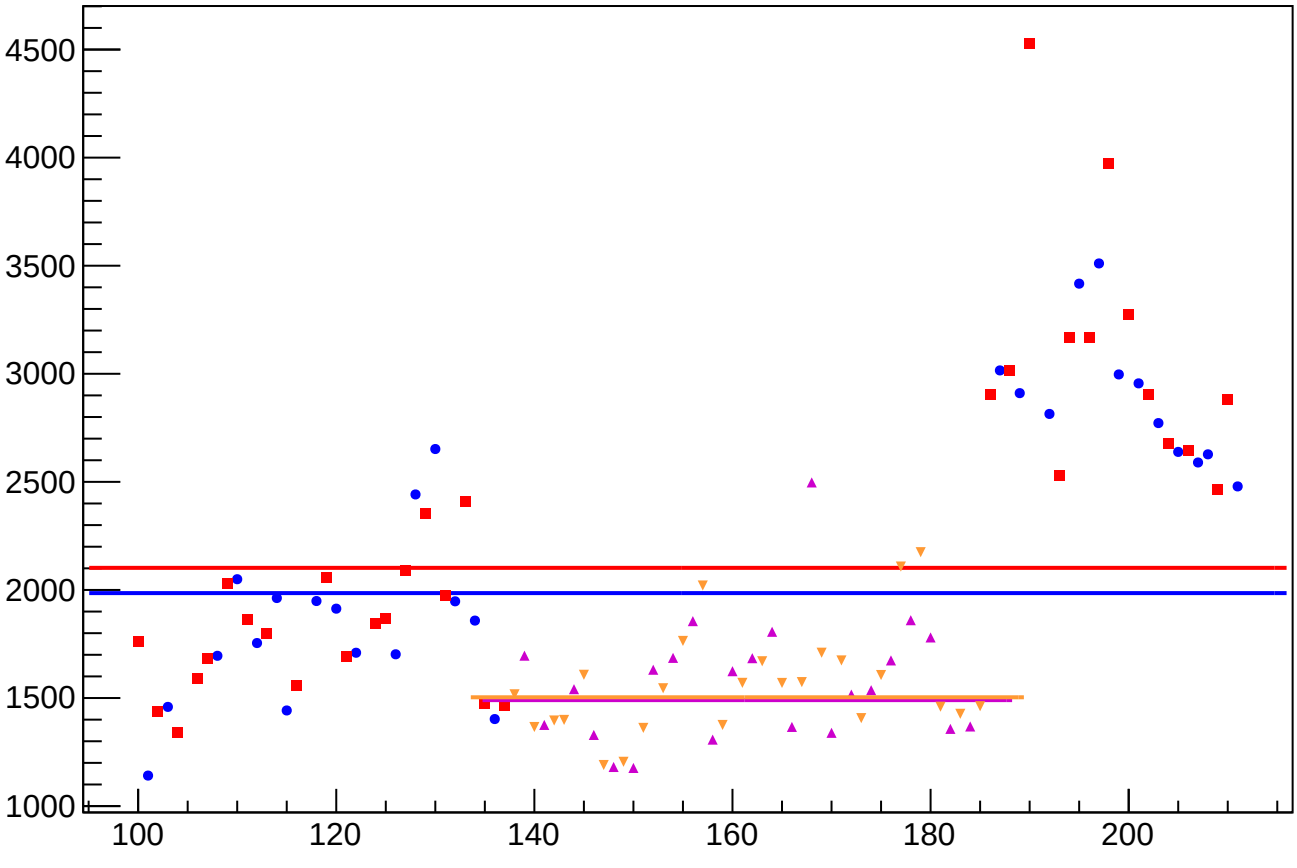
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -336.315+/-366.572 χ^2/NDF: 58.7/59

In: 106.543+/-291.632 χ^2/NDF:48.4/50

Out: -1.333+/-289.143 χ^2/NDF:57.9/56

All: 52.143+/-205.329 χ^2/NDF: 106.4/107



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

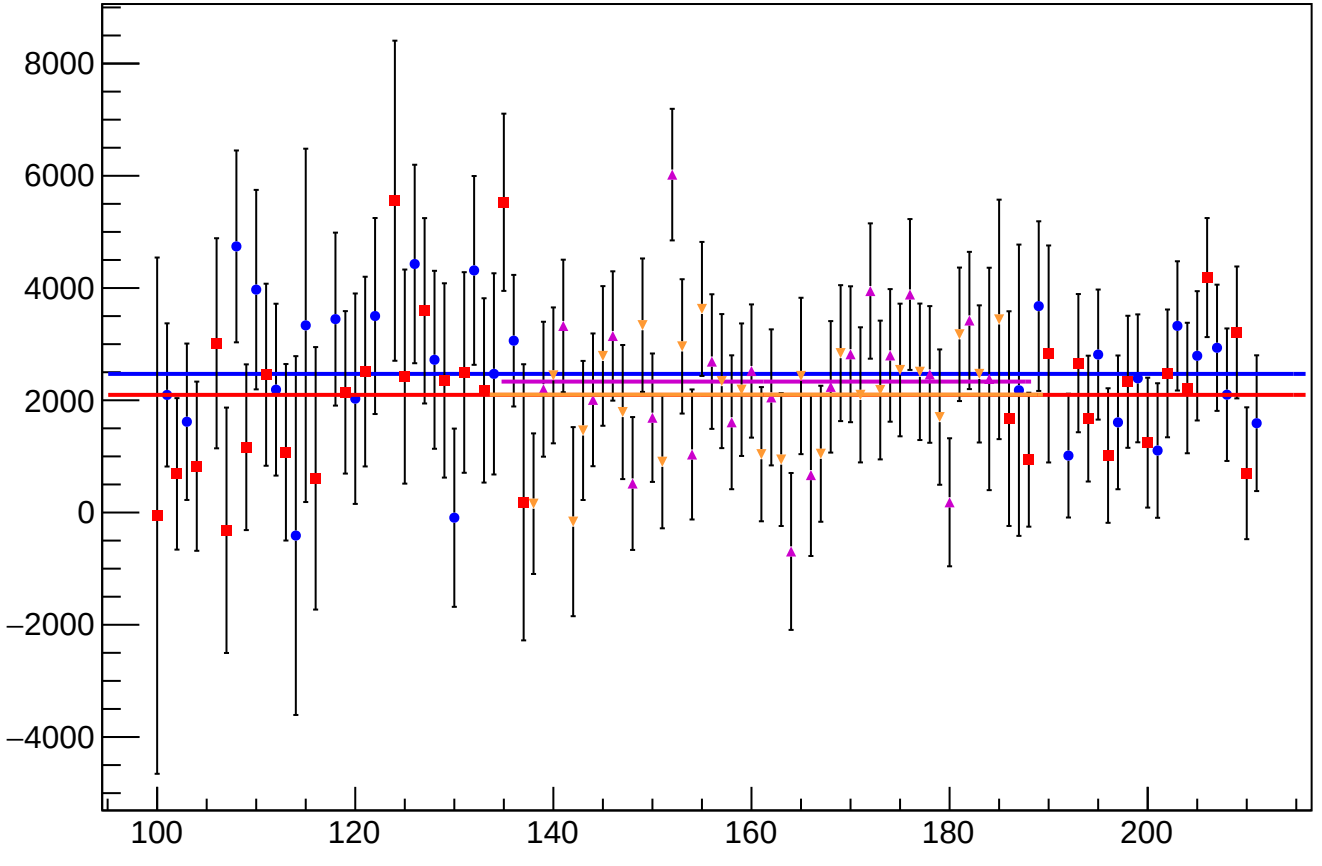
Right: 2042.966+/-0.259 χ^2/NDF: 6351759.2/59

In: 1649.272+/-0.206 χ^2/NDF:5446284.5/50

Out: 1687.001+/-0.204 χ^2/NDF:5702440.5/56

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2096.457+/-259.539 χ^2/NDF: 21.7/31

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

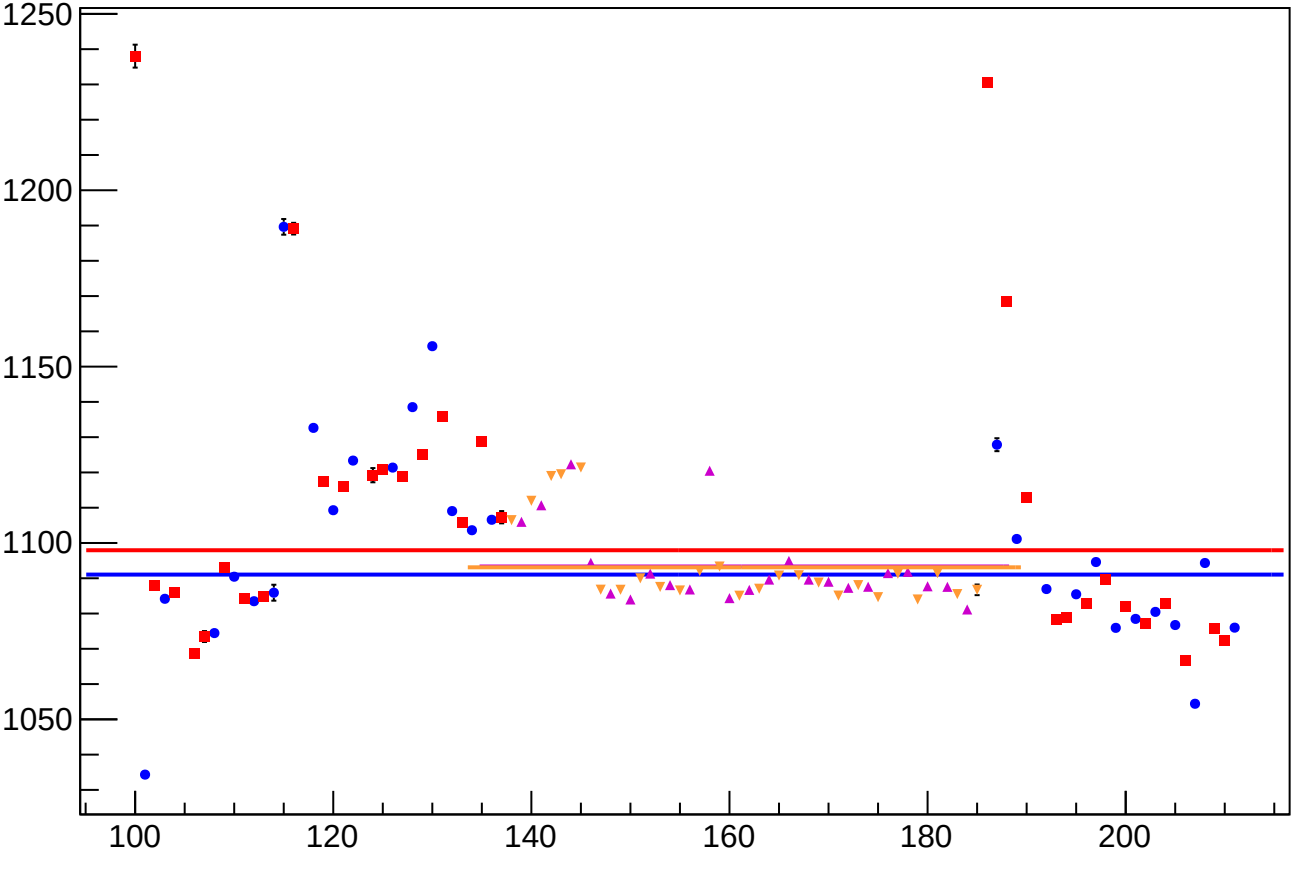
Right: 2277.656+/-186.270 χ^2/NDF: 38.5/59

In: 2398.340+/-184.678 χ^2/NDF:45.3/50

Out: 2098.515+/-179.419 χ^2/NDF:35.6/56

All: 2244.097+/-128.687 χ^2/NDF: 82.3/107

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

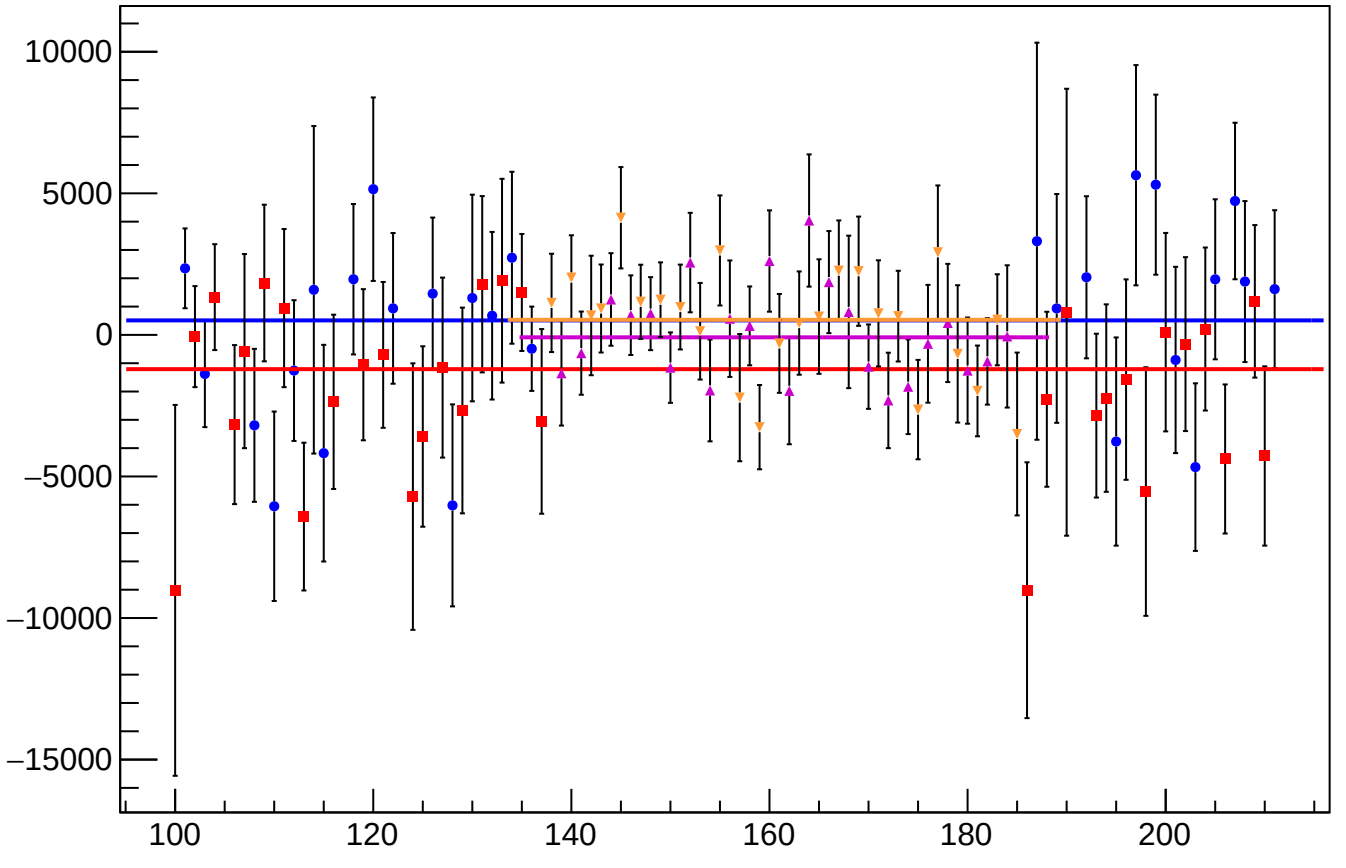
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1094.596+/-0.132 χ^2/NDF: 52398.1/59

In: 1092.243+/-0.131 χ^2/NDF:22803.6/50

Out: 1095.416+/-0.127 χ^2/NDF:37057.9/56

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1209.971+/-522.225 χ^2/NDF: 23.7/31

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

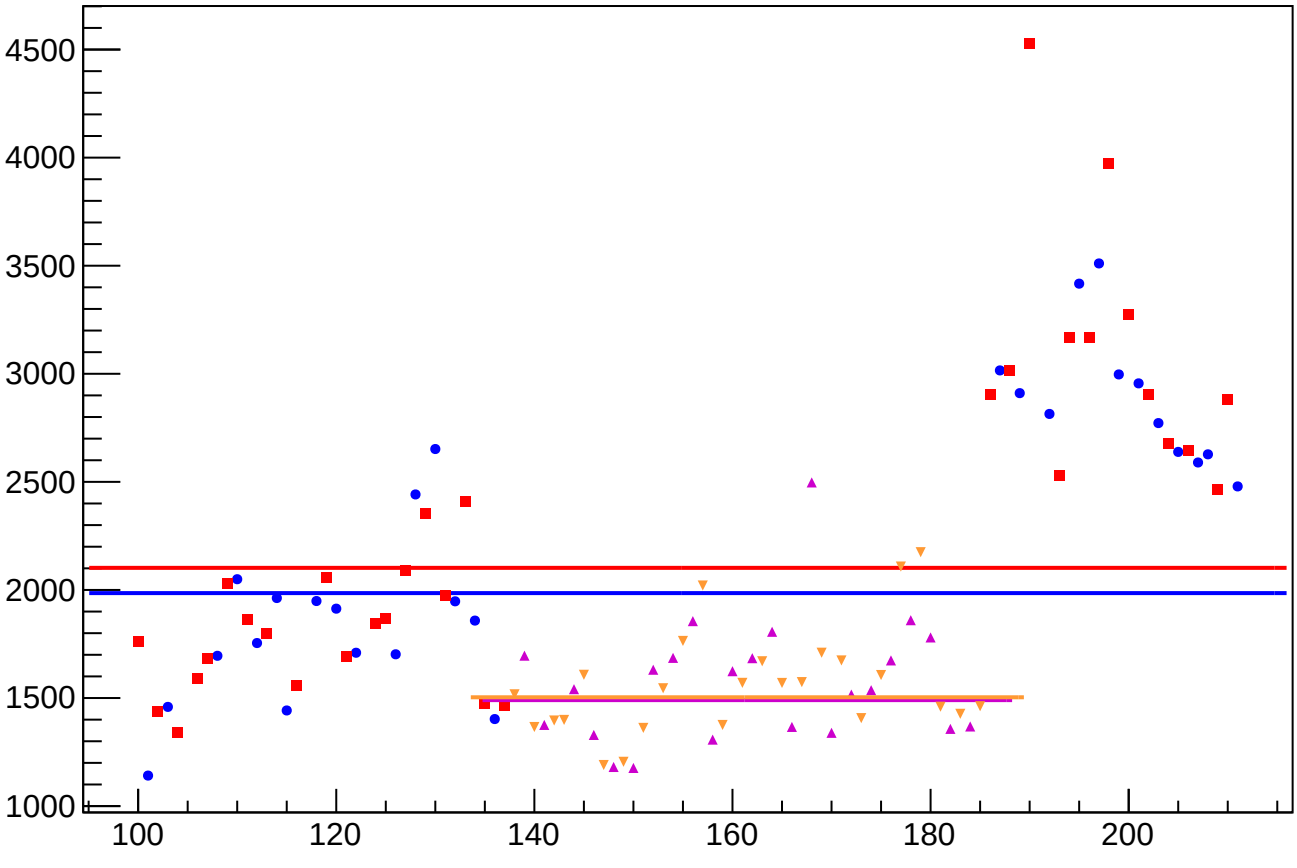
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -336.315+/-366.572 χ^2/NDF: 58.7/59

In: 106.543+/-291.632 χ^2/NDF:48.4/50

Out: -1.333+/-289.143 χ^2/NDF:57.9/56

All: 52.143+/-205.329 χ^2/NDF: 106.4/107



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

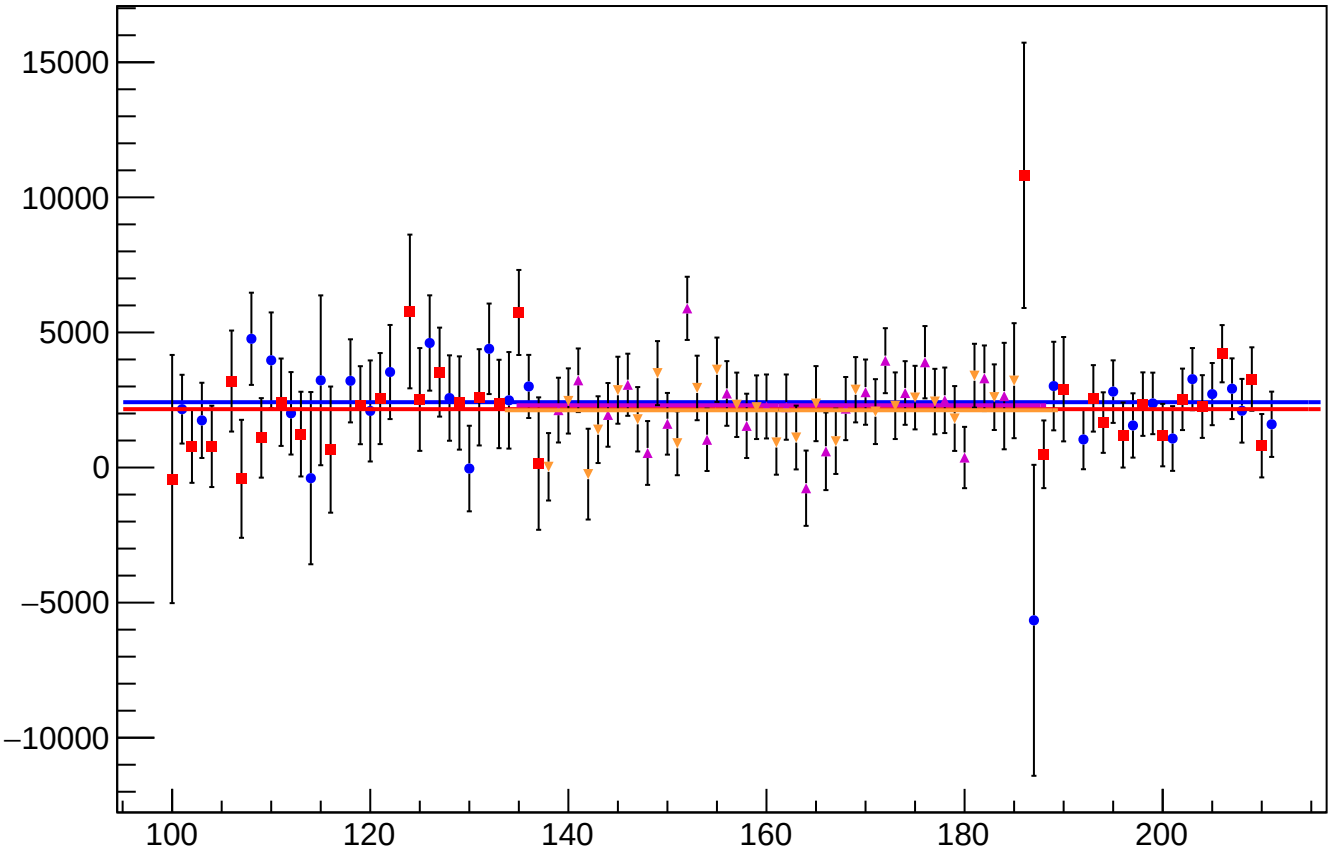
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2042.966+/-0.259 χ^2/NDF: 6351759.2/59

In: 1649.272+/-0.206 χ^2/NDF:5446284.5/50

Out: 1687.001+/-0.204 χ^2/NDF:5702440.5/56

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1



Right In: 2418.976+/-268.805 χ^2/NDF: 17.1/27

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2161.046+/-261.818 χ^2/NDF: 26.3/31

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

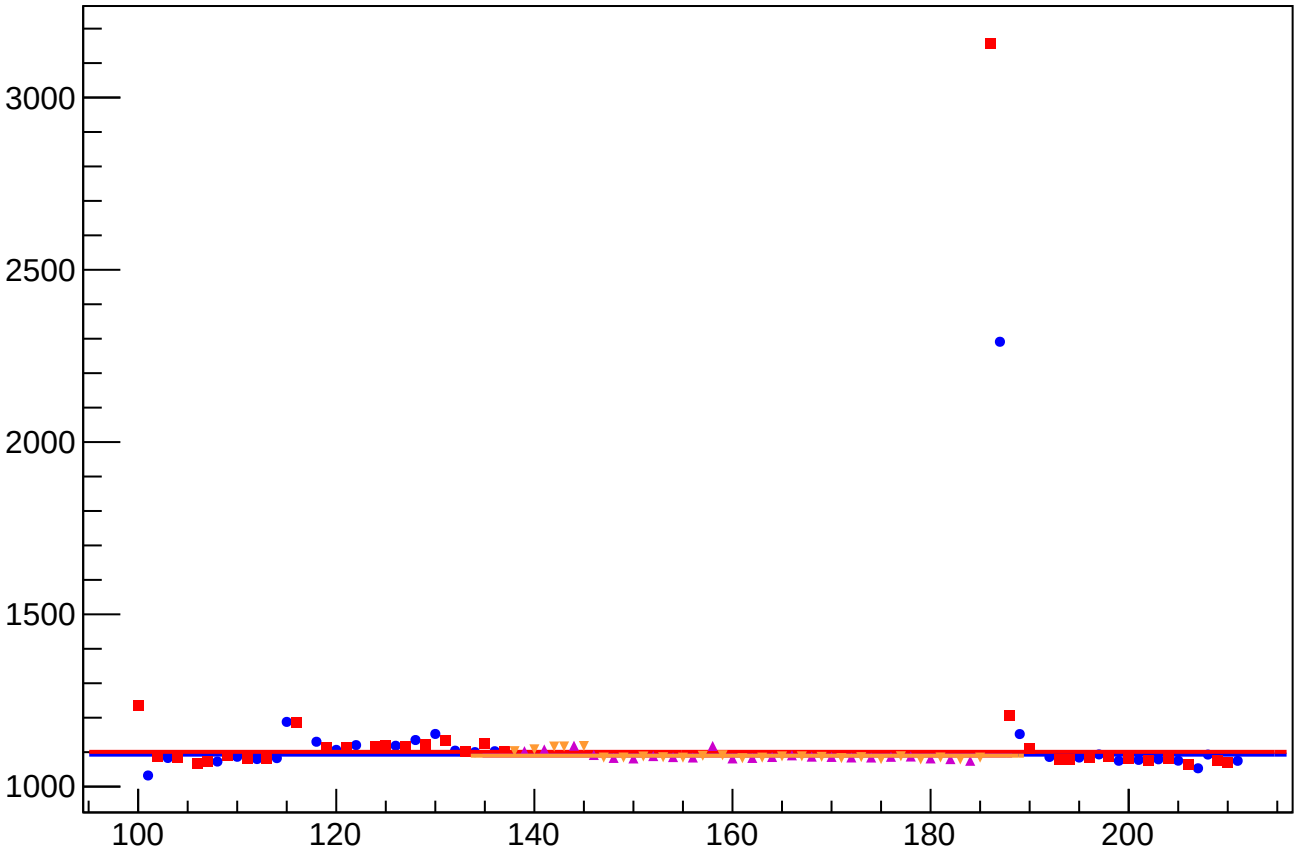
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2286.615+/-187.555 χ^2/NDF: 43.9/59

In: 2359.091+/-184.808 χ^2/NDF:45.6/50

Out: 2139.360+/-179.874 χ^2/NDF:41.5/56

All: 2246.253+/-128.899 χ^2/NDF: 87.8/107



Right In: 1092.741+/-0.190 χ^2/NDF: 107761.1/27

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1100.914+/-0.185 χ^2/NDF: 381717.7/31

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

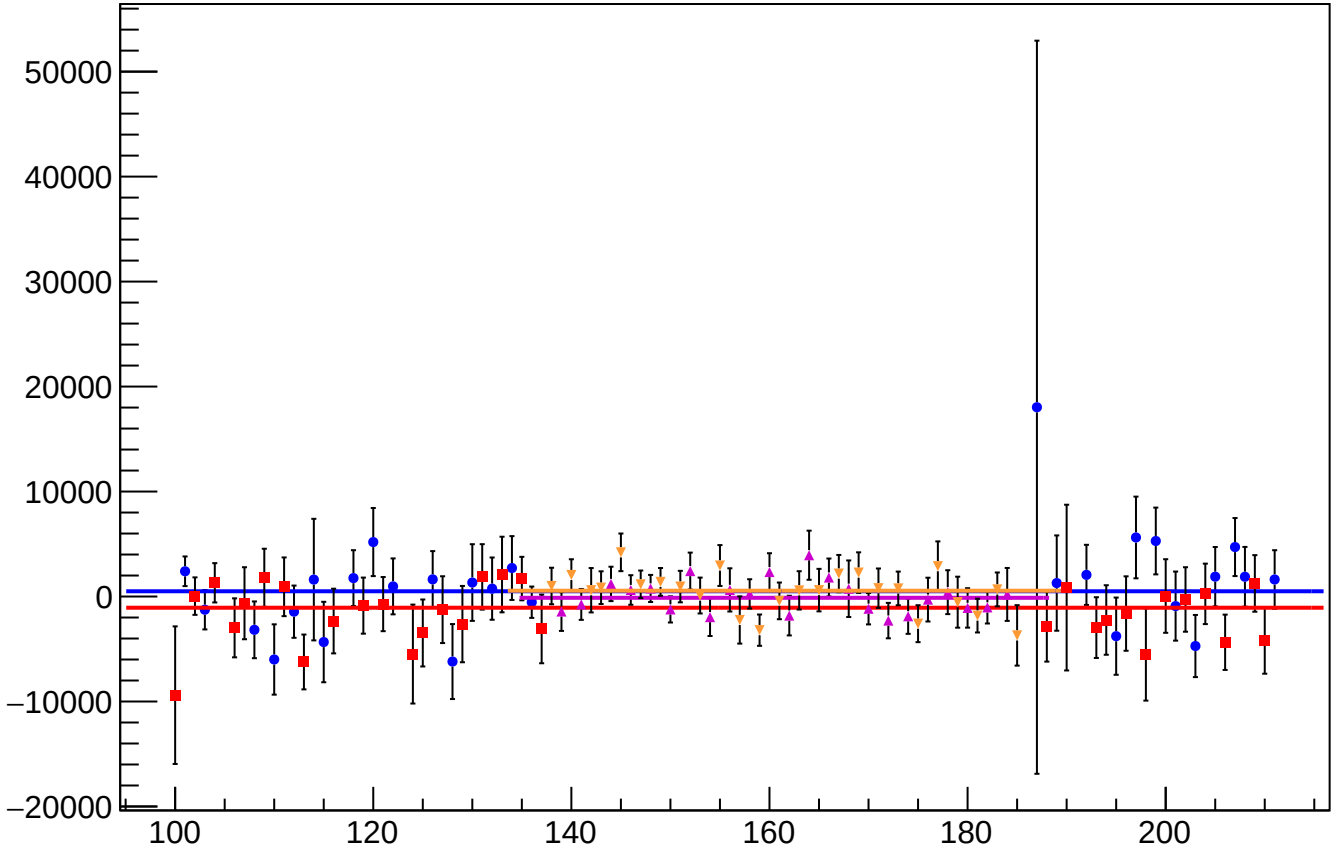
Right: 1096.935+/-0.133 χ^2/NDF: 490427.5/59

In: 1091.277+/-0.131 χ^2/NDF:111769.6/50

Out: 1095.016+/-0.127 χ^2/NDF:387697.5/56

All: 1093.197+/-0.091 χ^2/NDF: 499887.6/107

asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 500.705+/-517.371 χ^2/NDF: 29.8/27

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -1066.428+/-527.207 χ^2/NDF: 20.8/30

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

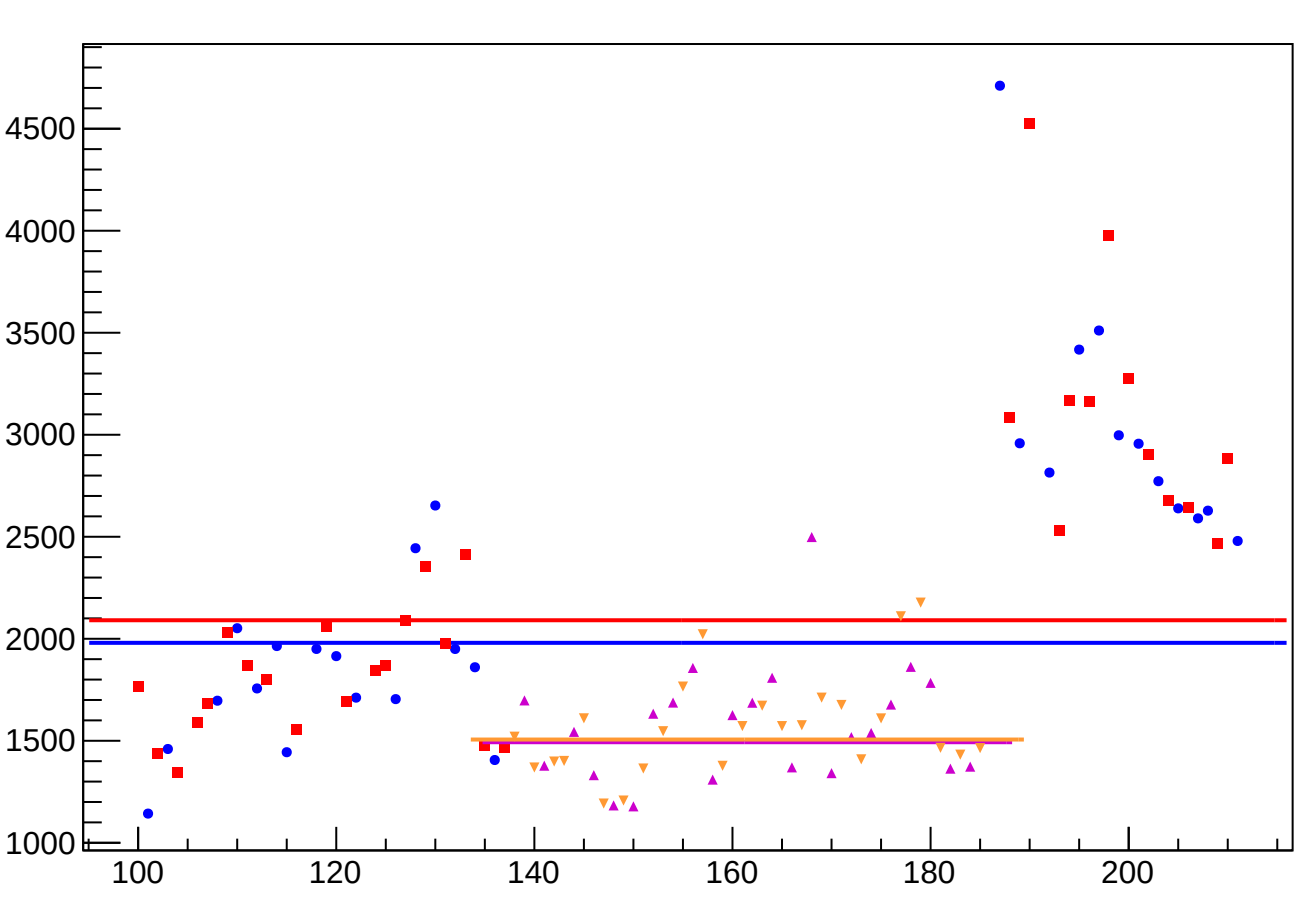
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -268.106+/-369.265 χ^2/NDF: 55.2/58

In: 77.375+/-292.460 χ^2/NDF:47.9/50

Out: 62.434+/-290.324 χ^2/NDF:53.6/55

All: 69.850+/-206.041 χ^2/NDF: 101.5/106



Right In: 1980.101+/-0.366 χ^2/NDF: 3166456.3/27

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2090.791+/-0.373 χ^2/NDF: 3003366.5/30

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

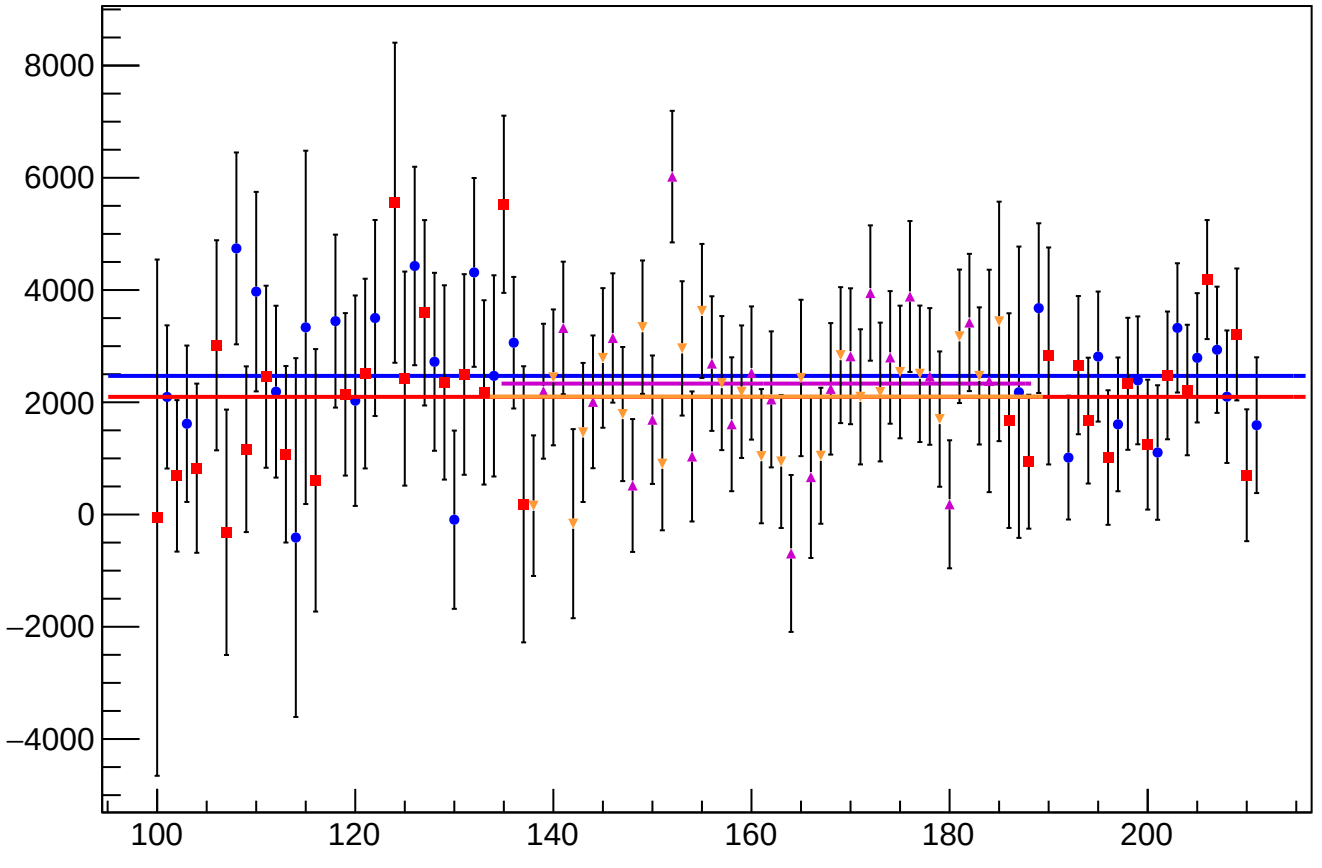
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 2034.404+/-0.261 χ^2/NDF: 6214734.1/58

In: 1648.633+/-0.207 χ^2/NDF:5337260.3/50

Out: 1683.411+/-0.205 χ^2/NDF:5513690.9/55

All: 1666.149+/-0.146 χ^2/NDF: 10865195.4/1



Right In: 2470.127+/-267.491 χ^2/NDF: 15.7/27

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2096.457+/-259.539 χ^2/NDF: 21.7/31

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

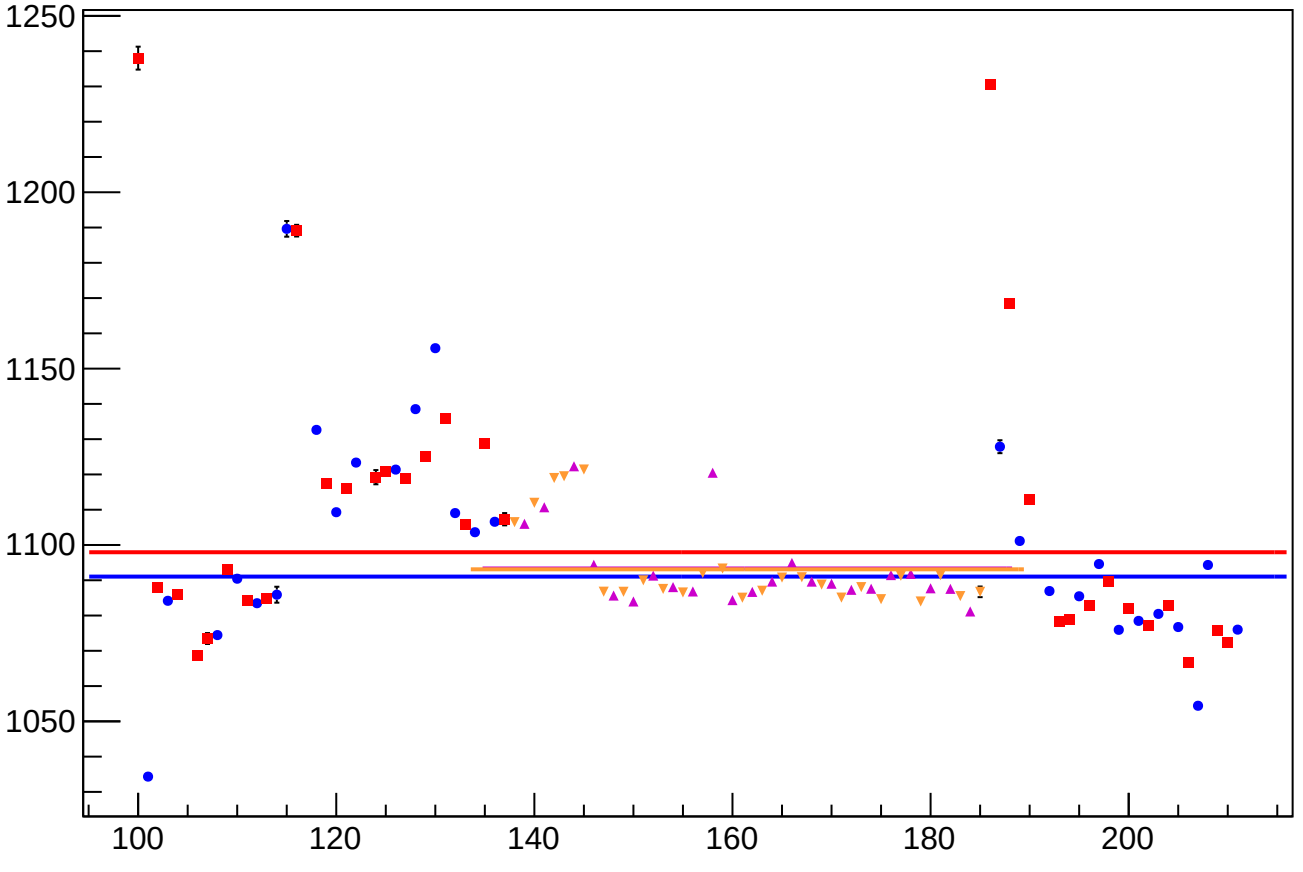
Right: 2277.656+/-186.270 χ^2/NDF: 38.5/59

In: 2398.340+/-184.678 χ^2/NDF:45.3/50

Out: 2098.515+/-179.419 χ^2/NDF:35.6/56

All: 2244.097+/-128.687 χ^2/NDF: 82.3/107

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.189 χ^2/NDF: 19000.6/27

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.944+/-0.184 χ^2/NDF: 32711.4/31

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

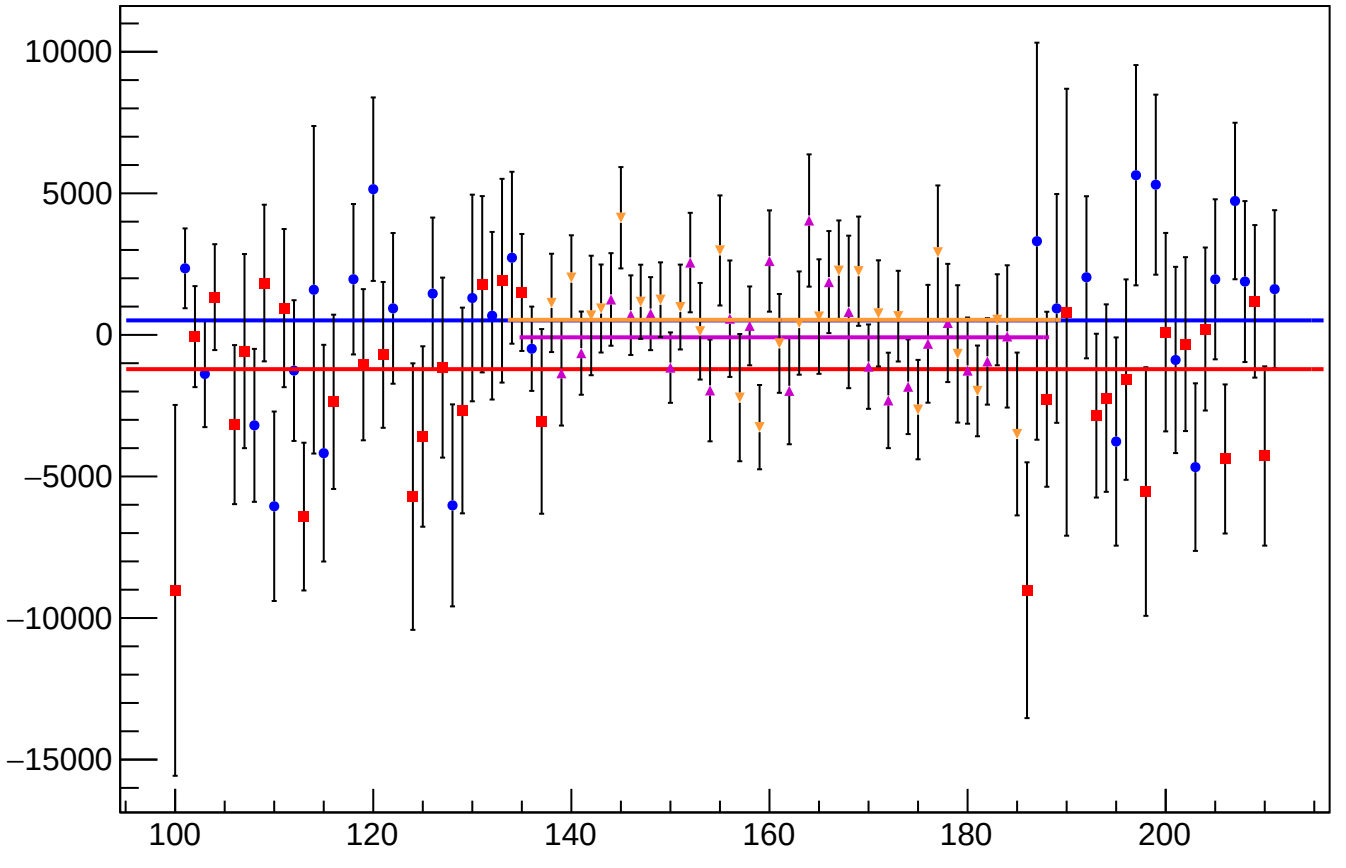
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1094.596+/-0.132 χ^2/NDF: 52398.1/59

In: 1092.243+/-0.131 χ^2/NDF:22803.6/50

Out: 1095.416+/-0.127 χ^2/NDF:37057.9/56

All: 1093.875+/-0.091 χ^2/NDF: 60165.2/107



Right In: 512.275+/-514.678 χ^2/NDF: 29.4/27

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1209.971+/-522.225 χ^2/NDF: 23.7/31

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

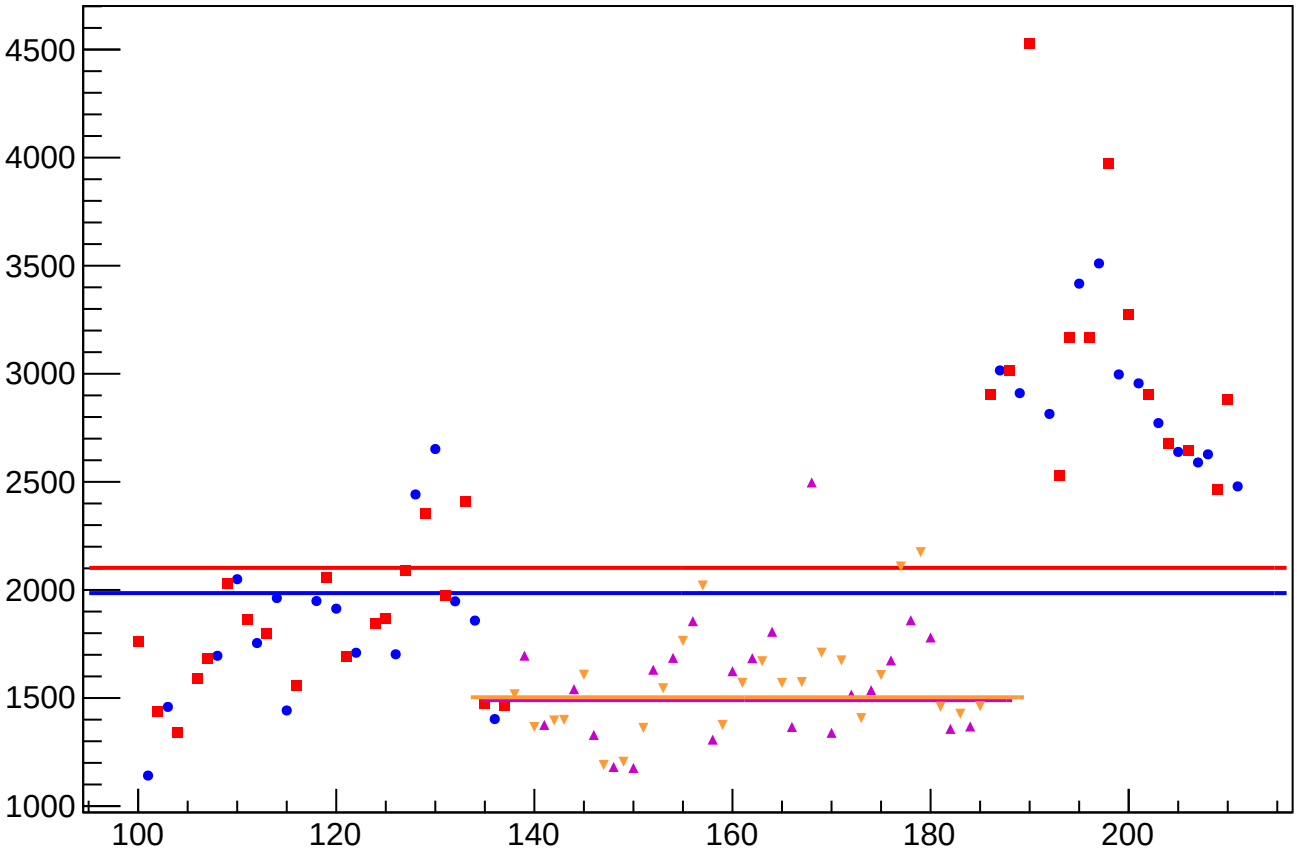
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -336.315+/-366.572 χ^2/NDF: 58.7/59

In: 106.543+/-291.632 χ^2/NDF:48.4/50

Out: -1.333+/-289.143 χ^2/NDF:57.9/56

All: 52.143+/-205.329 χ^2/NDF: 106.4/107



Right In: 1985.404+/-0.364 χ^2/NDF: 3221596.0/27

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2102.229+/-0.369 χ^2/NDF: 3079390.2/31

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

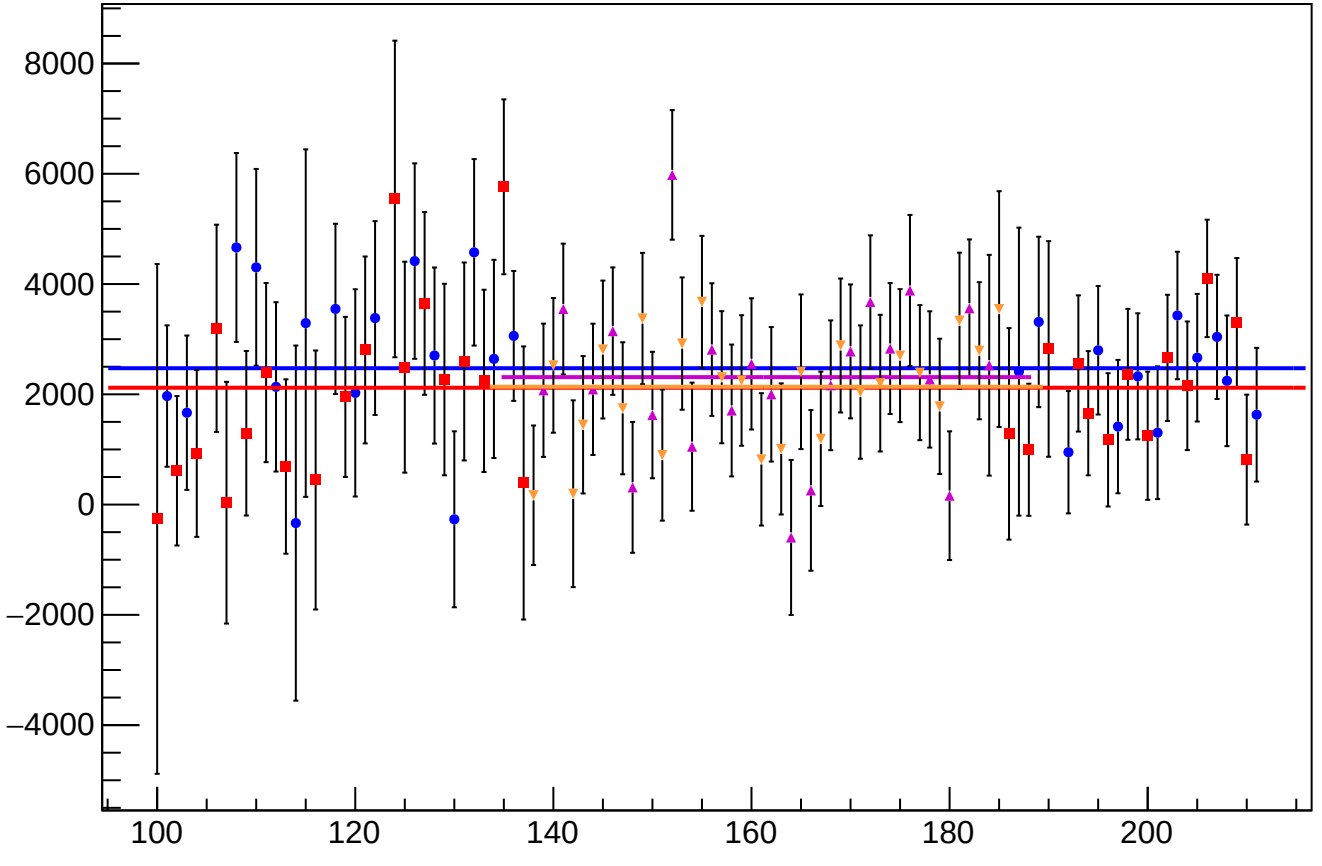
Right: 2042.966+/-0.259 χ^2/NDF: 6351759.2/59

In: 1649.272+/-0.206 χ^2/NDF:5446284.5/50

Out: 1687.001+/-0.204 χ^2/NDF:5702440.5/56

All: 1668.298+/-0.145 χ^2/NDF: 11165605.6/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2473.500+/-268.876 χ^2/NDF: 16.3/27

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2119.171+/-260.751 χ^2/NDF: 22.0/31

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

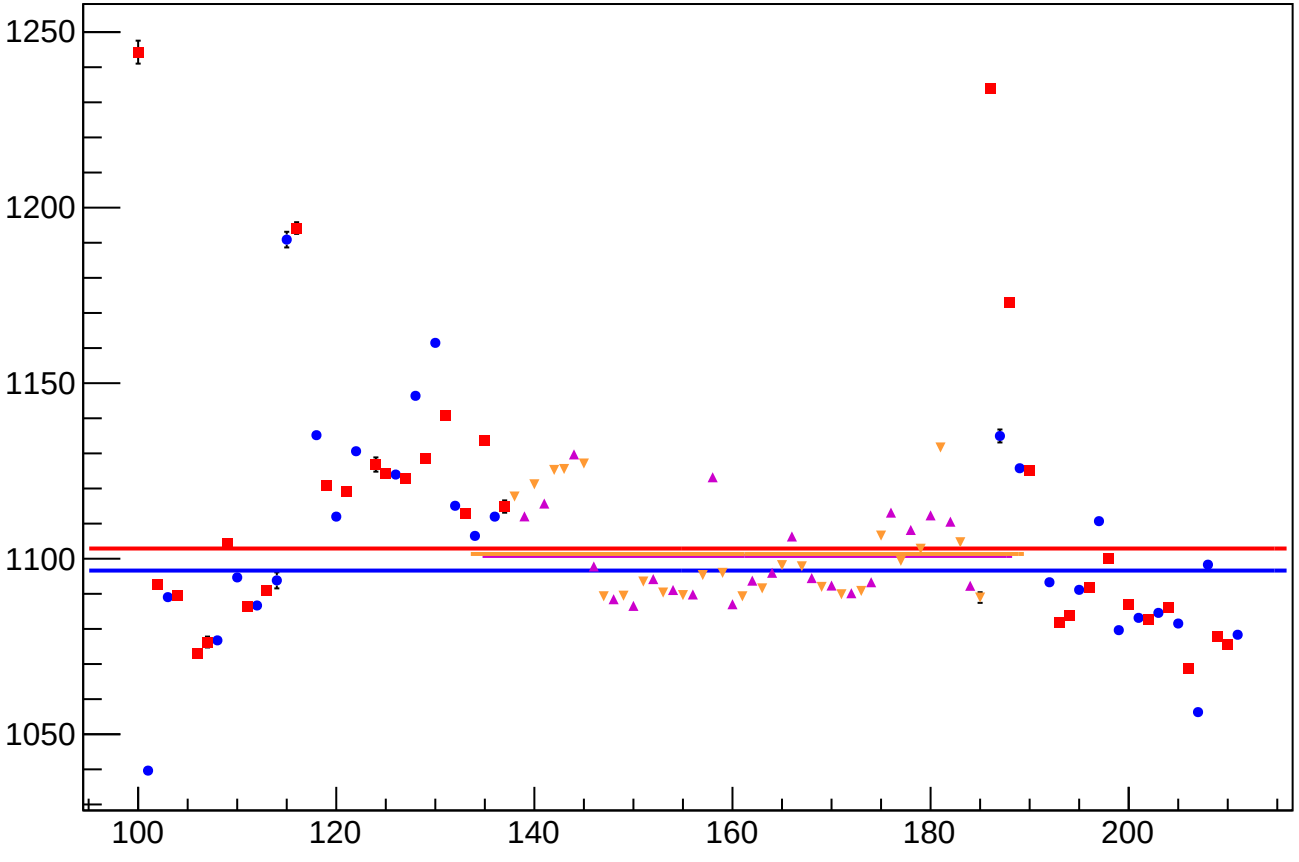
Right: 2290.901+/-187.185 χ^2/NDF: 39.2/59

In: 2388.991+/-185.797 χ^2/NDF:46.4/50

Out: 2128.550+/-180.531 χ^2/NDF:35.9/56

All: 2255.027+/-129.476 χ^2/NDF: 83.4/107

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.623+/-0.190 χ^2/NDF: 20391.5/27

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.904+/-0.184 χ^2/NDF: 32891.2/31

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

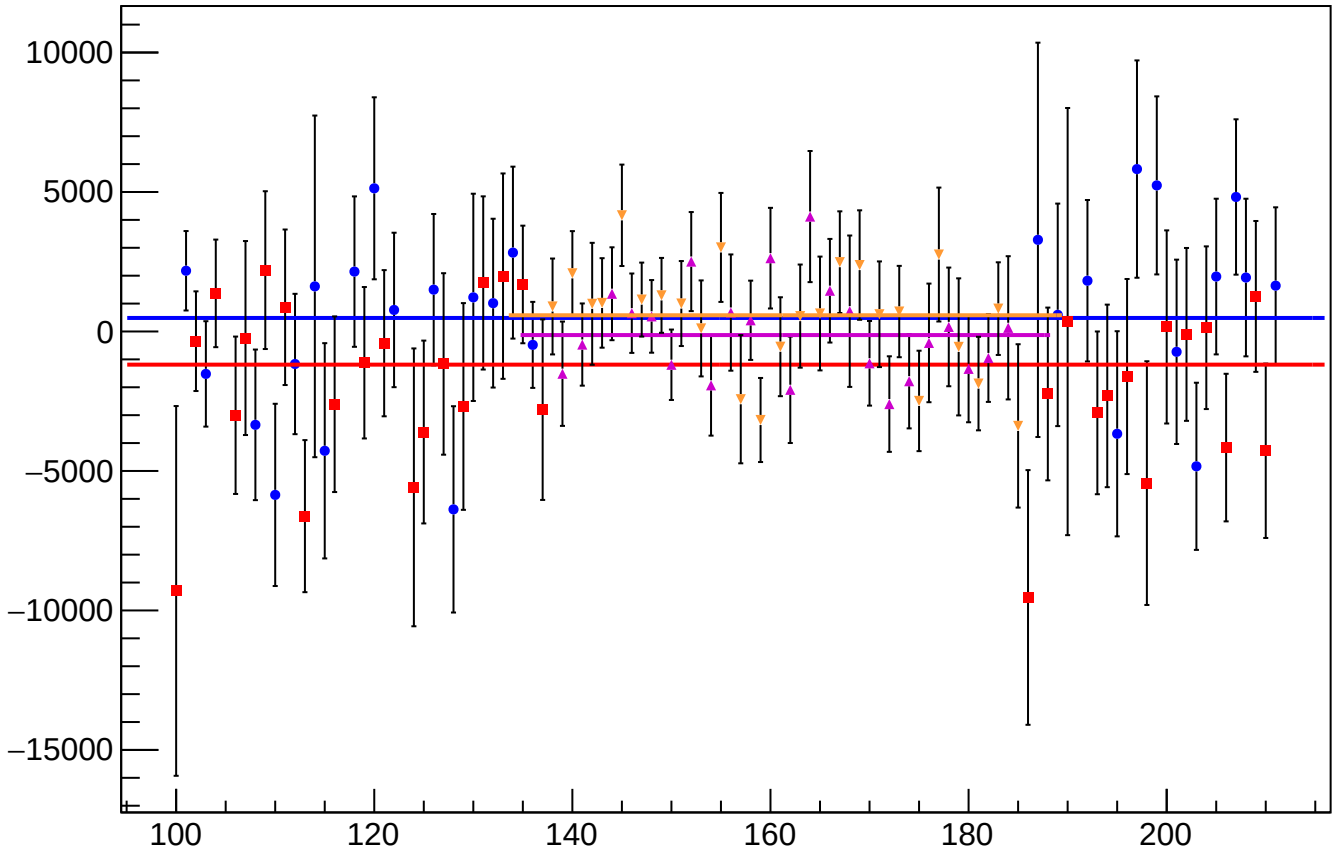
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1099.860+/-0.132 χ^2/NDF: 53845.0/59

In: 1098.802+/-0.131 χ^2/NDF:25284.5/50

Out: 1102.097+/-0.128 χ^2/NDF:38878.6/56

All: 1100.496+/-0.092 χ^2/NDF: 64486.6/107



Right In: 484.830+/-520.727 χ^2/NDF: 29.5/27

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1188.879+/-528.168 χ^2/NDF: 23.9/31

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

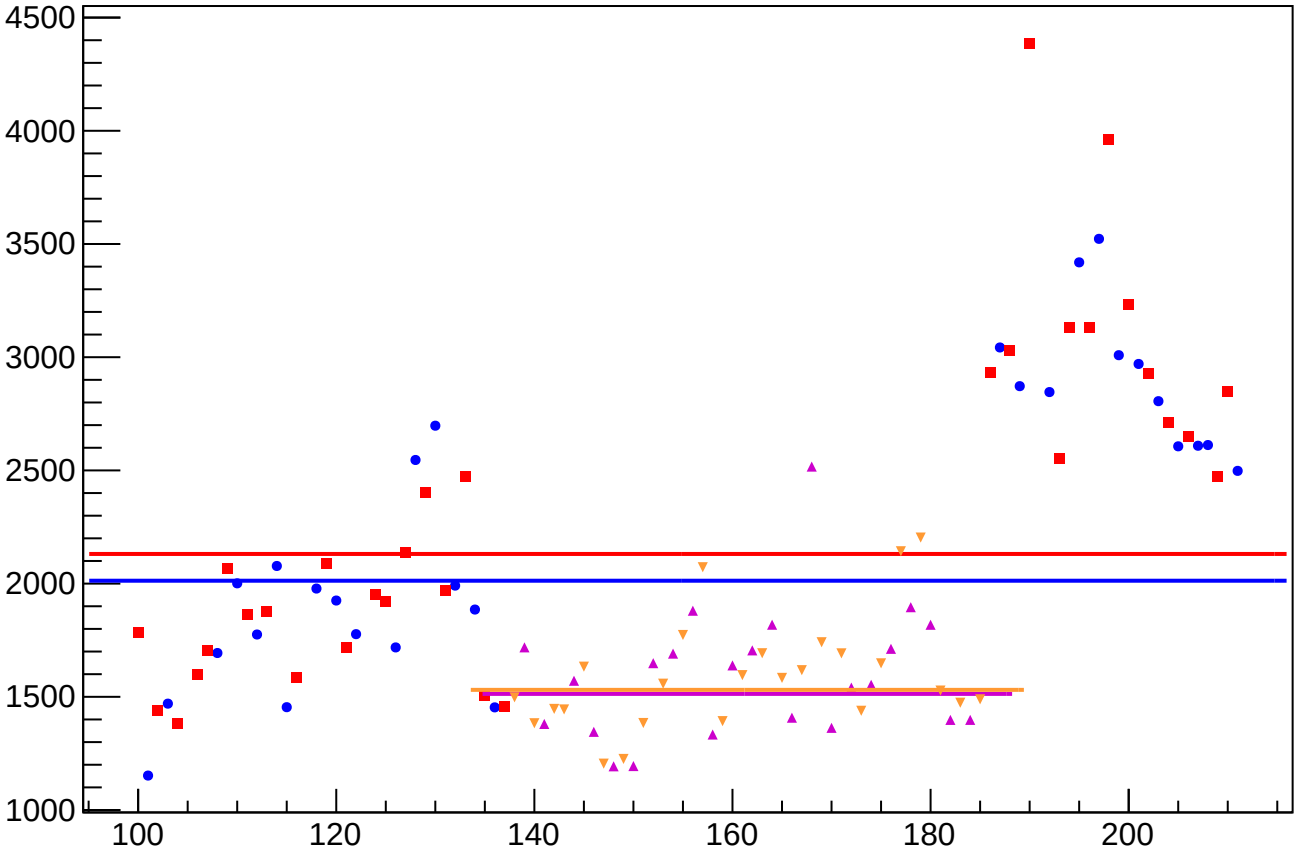
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -340.152+/-370.812 χ^2/NDF: 58.5/59

In: 69.011+/-295.637 χ^2/NDF:48.3/50

Out: 33.984+/-293.709 χ^2/NDF:57.0/56

All: 51.383+/-208.362 χ^2/NDF: 105.4/107



Right In: 2012.803+/-0.368 χ^2/NDF: 3129031.9/27

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2131.004+/-0.373 χ^2/NDF: 2937583.5/31

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

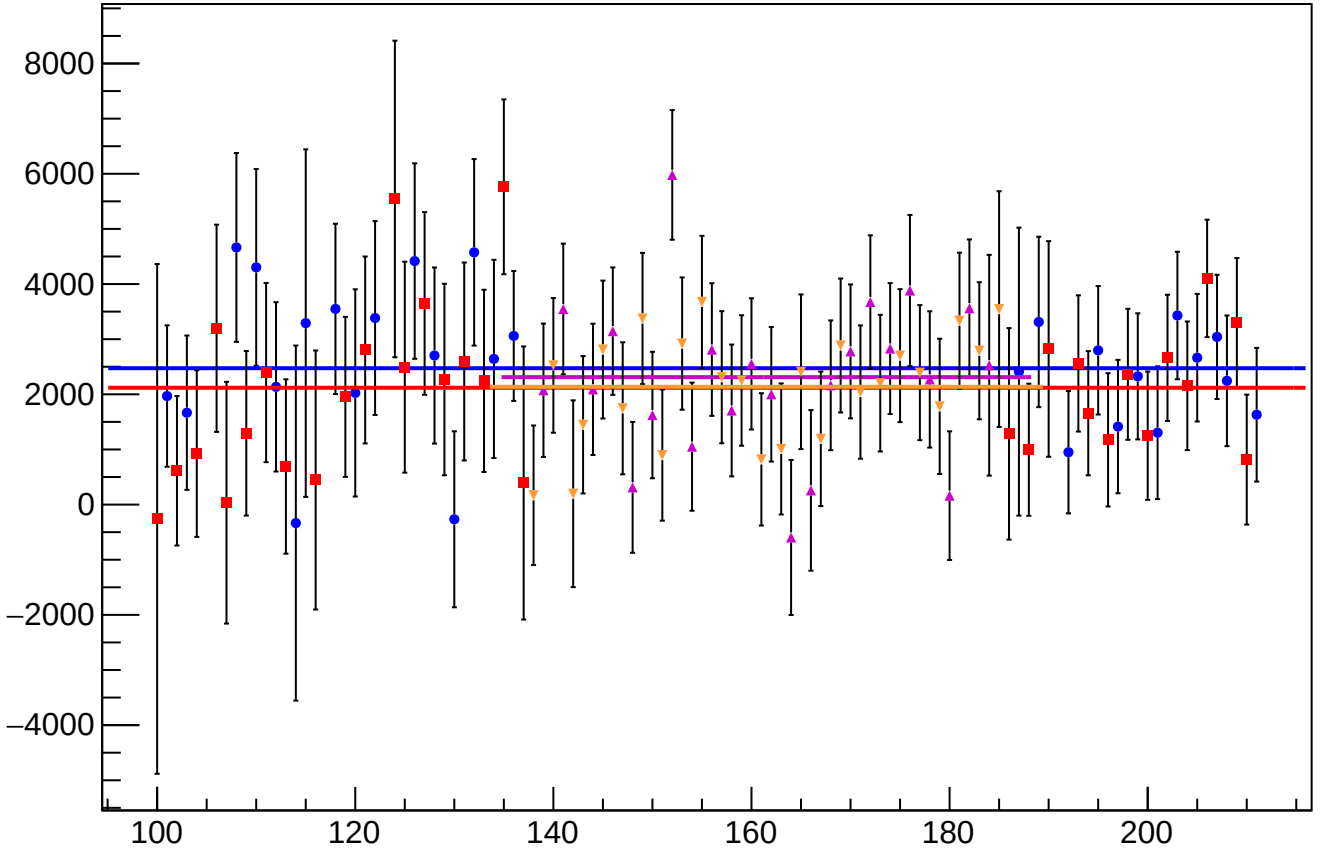
Right: 2071.065+/-0.262 χ^2/NDF: 6117409.4/59

In: 1674.065+/-0.209 χ^2/NDF:5334967.9/50

Out: 1716.380+/-0.208 χ^2/NDF:5517505.6/56

All: 1695.361+/-0.147 χ^2/NDF: 10873094.7/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2473.500+/-268.876 χ^2/NDF: 16.3/27

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2119.170+/-260.751 χ^2/NDF: 22.0/31

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

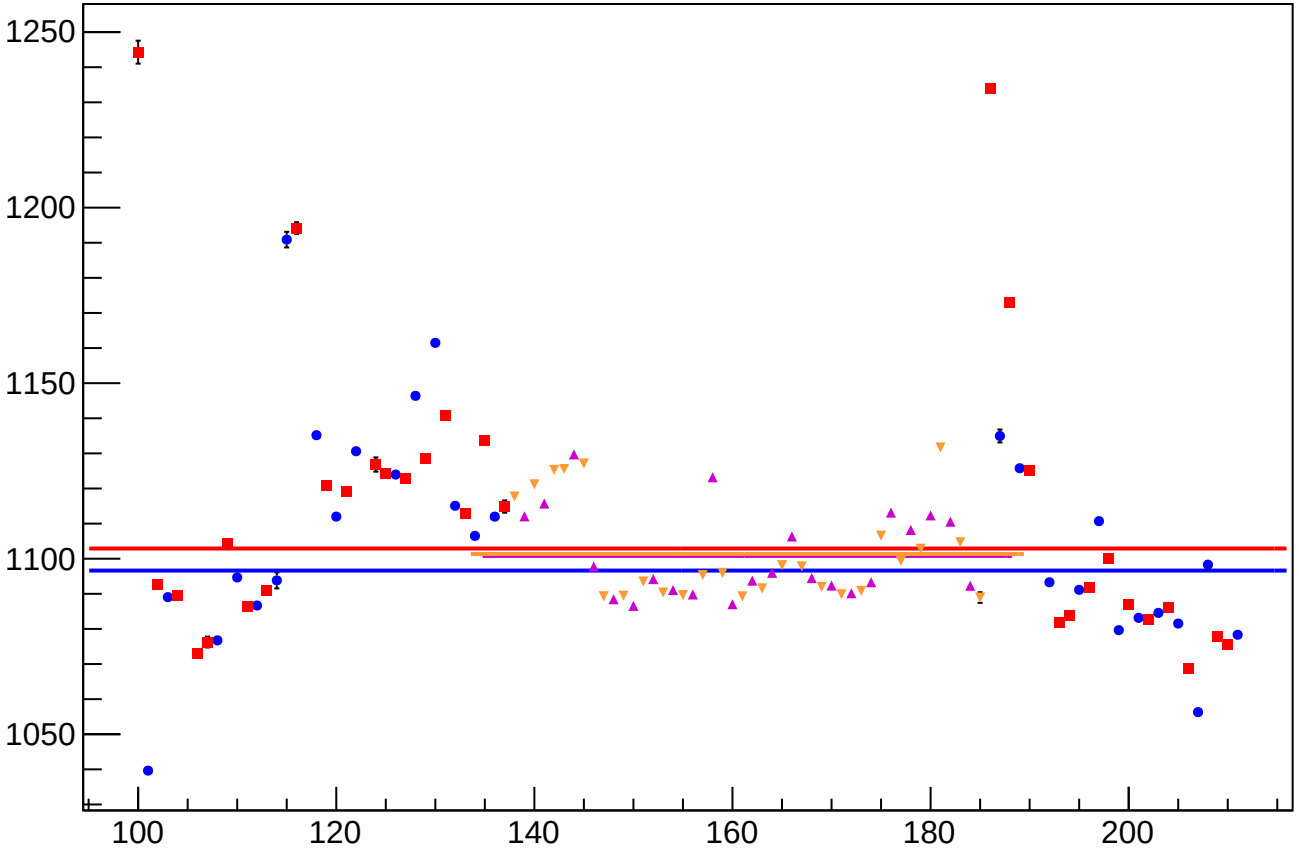
Right: 2290.901+/-187.185 χ^2/NDF: 39.2/59

In: 2388.991+/-185.797 χ^2/NDF:46.4/50

Out: 2128.548+/-180.531 χ^2/NDF:35.9/56

All: 2255.027+/-129.476 χ^2/NDF: 83.4/107

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1096.623+/-0.190 χ^2/NDF: 20391.3/27

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.904+/-0.184 χ^2/NDF: 32891.1/31

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

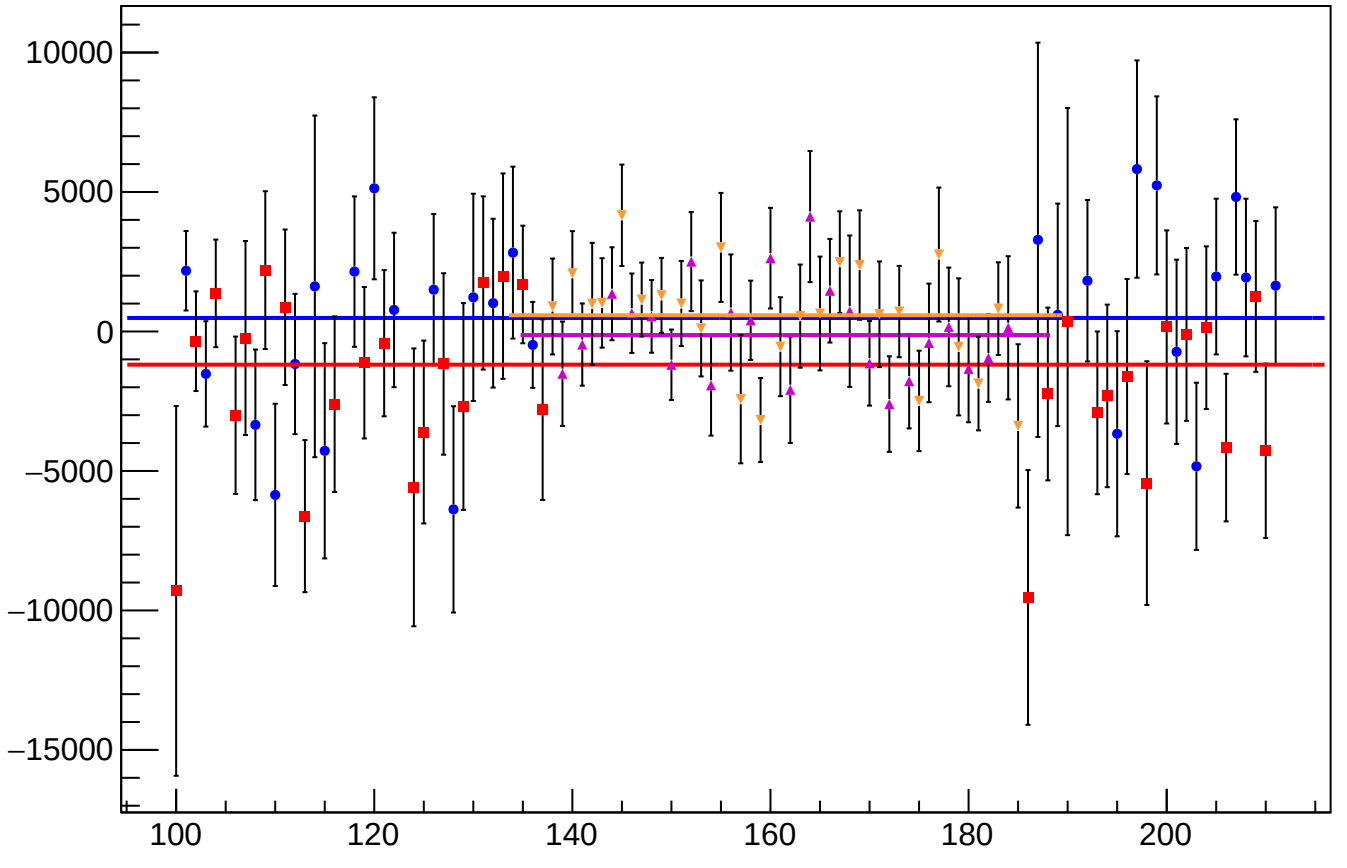
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1099.860+/-0.132 χ^2/NDF: 53844.8/59

In: 1098.802+/-0.131 χ^2/NDF:25284.3/50

Out: 1102.097+/-0.128 χ^2/NDF:38878.5/56

All: 1100.496+/-0.092 χ^2/NDF: 64486.4/107



Right In: 484.826+/-520.727 χ^2/NDF: 29.5/27

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1188.879+/-528.168 χ^2/NDF: 23.9/31

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

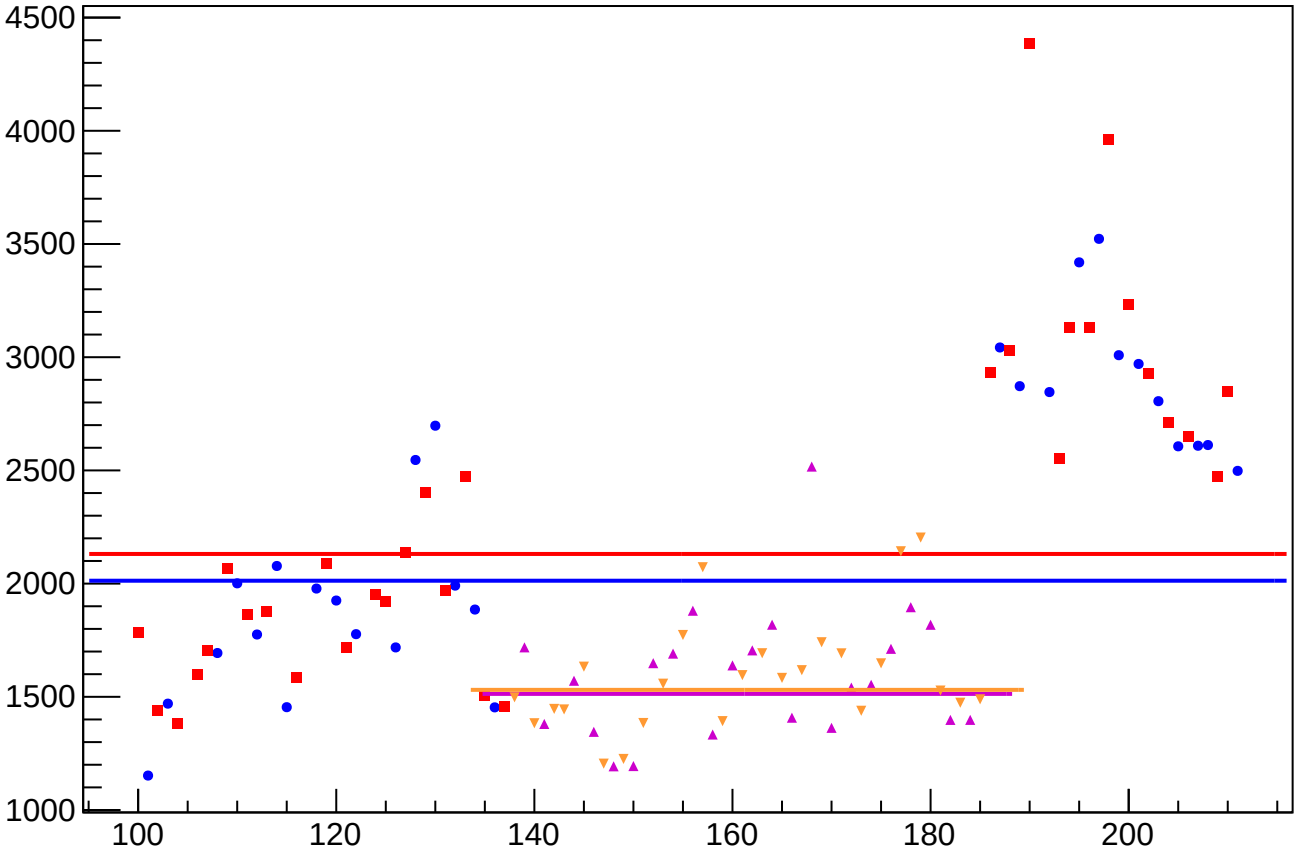
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -340.154+/-370.812 χ^2/NDF: 58.5/59

In: 69.010+/-295.638 χ^2/NDF:48.3/50

Out: 33.980+/-293.710 χ^2/NDF:57.0/56

All: 51.381+/-208.362 χ^2/NDF: 105.4/107



Right In: 2012.802+/-0.368 χ^2/NDF: 3129041.0/27

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2131.003+/-0.373 χ^2/NDF: 2937581.7/31

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

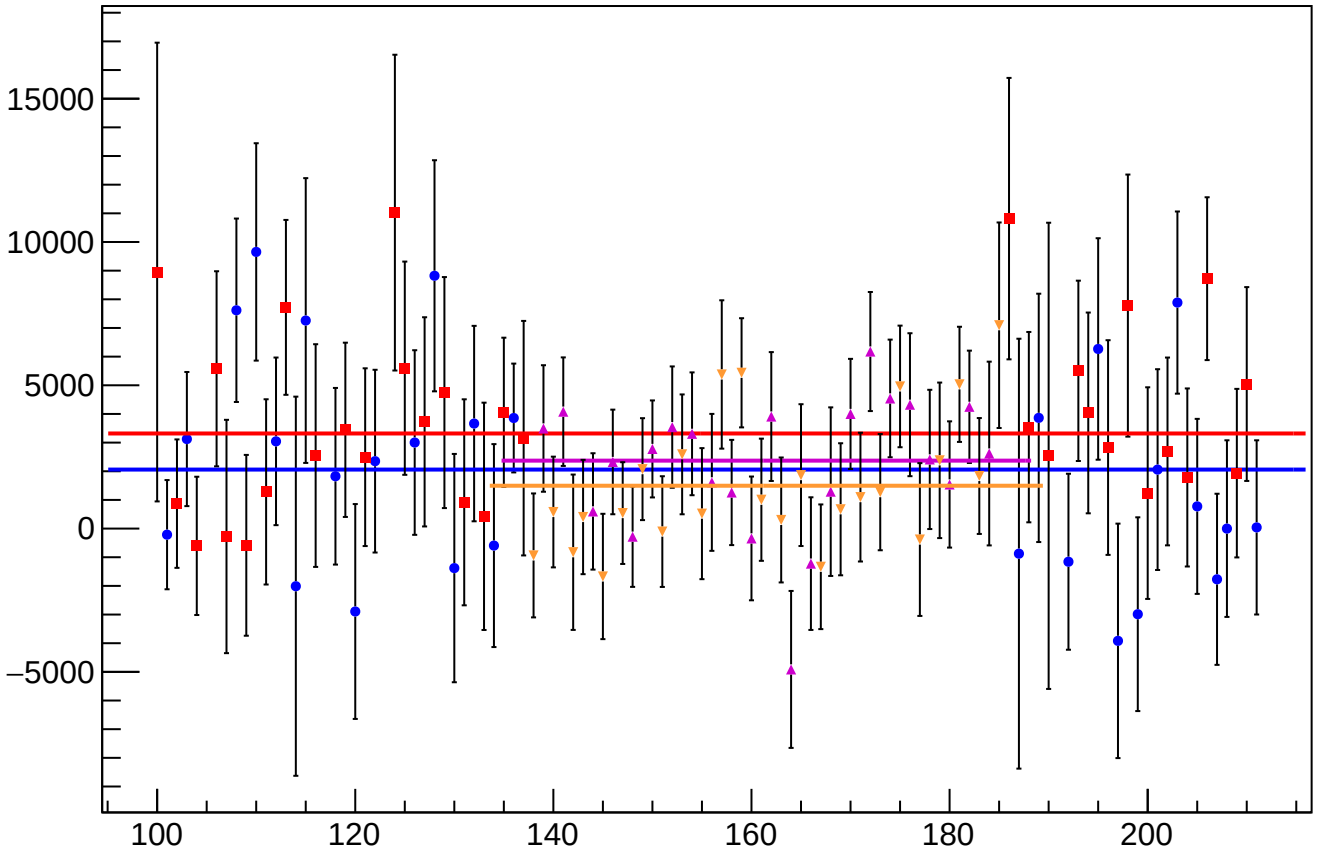
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2071.064+/-0.262 χ^2/NDF: 6117417.0/59

In: 1674.067+/-0.209 χ^2/NDF:5334955.4/50

Out: 1716.383+/-0.208 χ^2/NDF:5517475.2/56

All: 1695.364+/-0.147 χ^2/NDF: 10873052.3/1



Right In: 2059.051+/-603.091 χ^2/NDF: 30.4/27

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3318.269+/-602.871 χ^2/NDF: 21.7/31

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

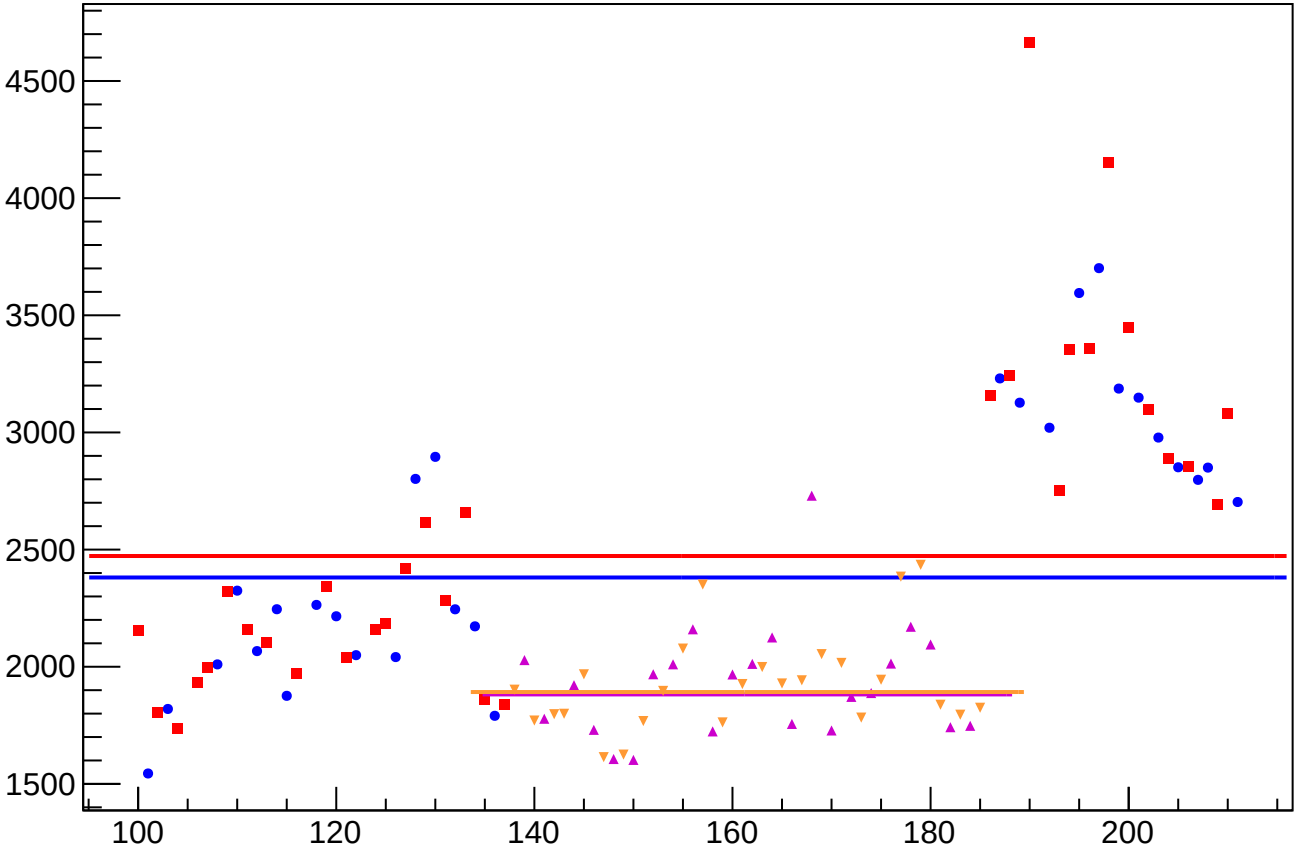
Right: 2688.890+/-426.372 χ^2/NDF: 54.3/59

In: 2261.489+/-357.005 χ^2/NDF:54.2/50

Out: 2115.854+/-351.794 χ^2/NDF:51.5/56

All: 2187.601+/-250.578 χ^2/NDF: 105.9/107

asym_usr_rms vs Slug, Sign Corrected



Right In: 2380.960+/-0.426 χ^2/NDF: 1894680.5/27

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2472.641+/-0.426 χ^2/NDF: 1940330.5/31

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

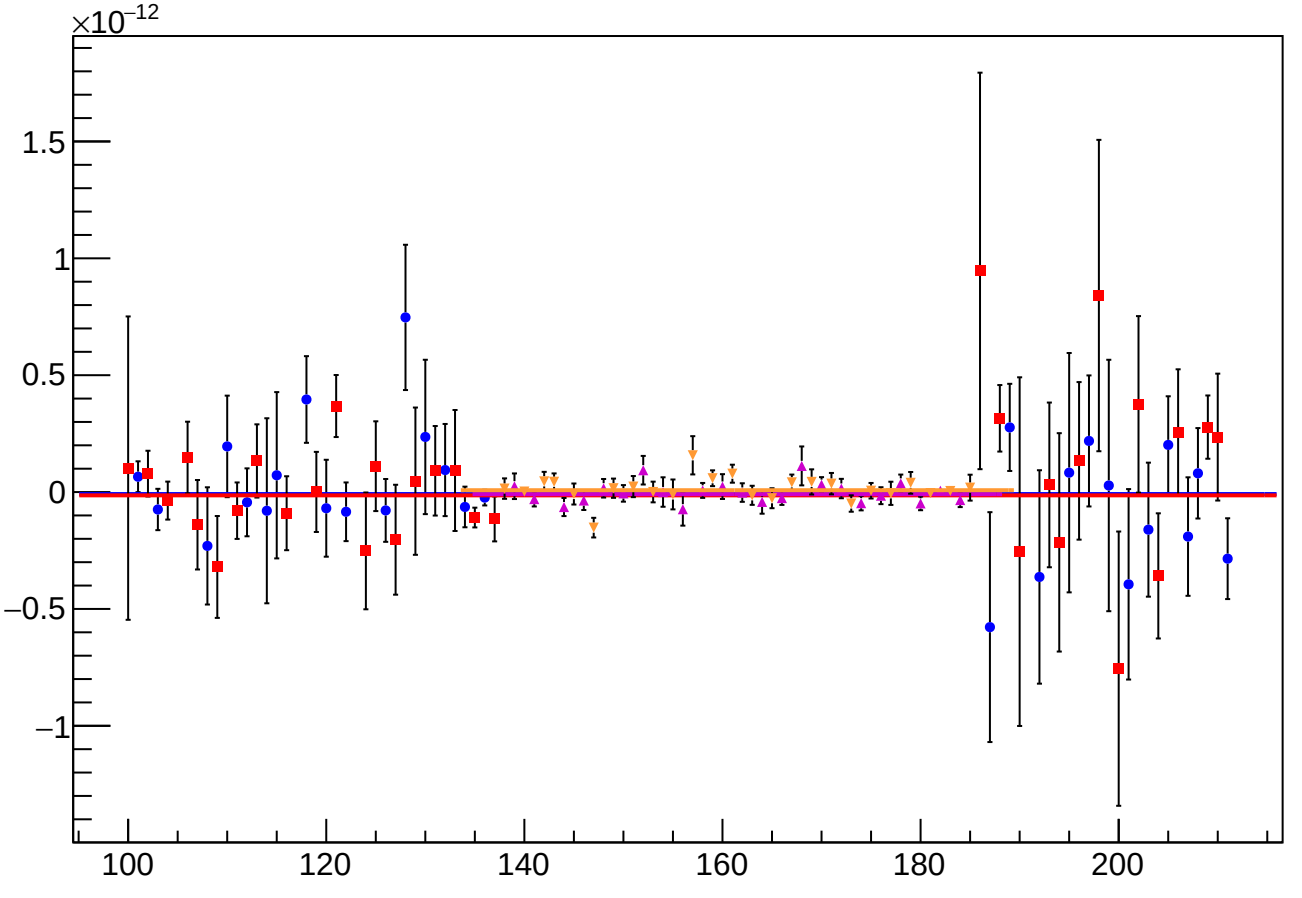
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2426.817+/-0.301 χ^2/NDF: 3858128.6/59

In: 2056.773+/-0.252 χ^2/NDF:3246992.1/50

Out: 2089.790+/-0.249 χ^2/NDF:3552988.1/56

All: 2073.525+/-0.177 χ^2/NDF: 6808659.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/31

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

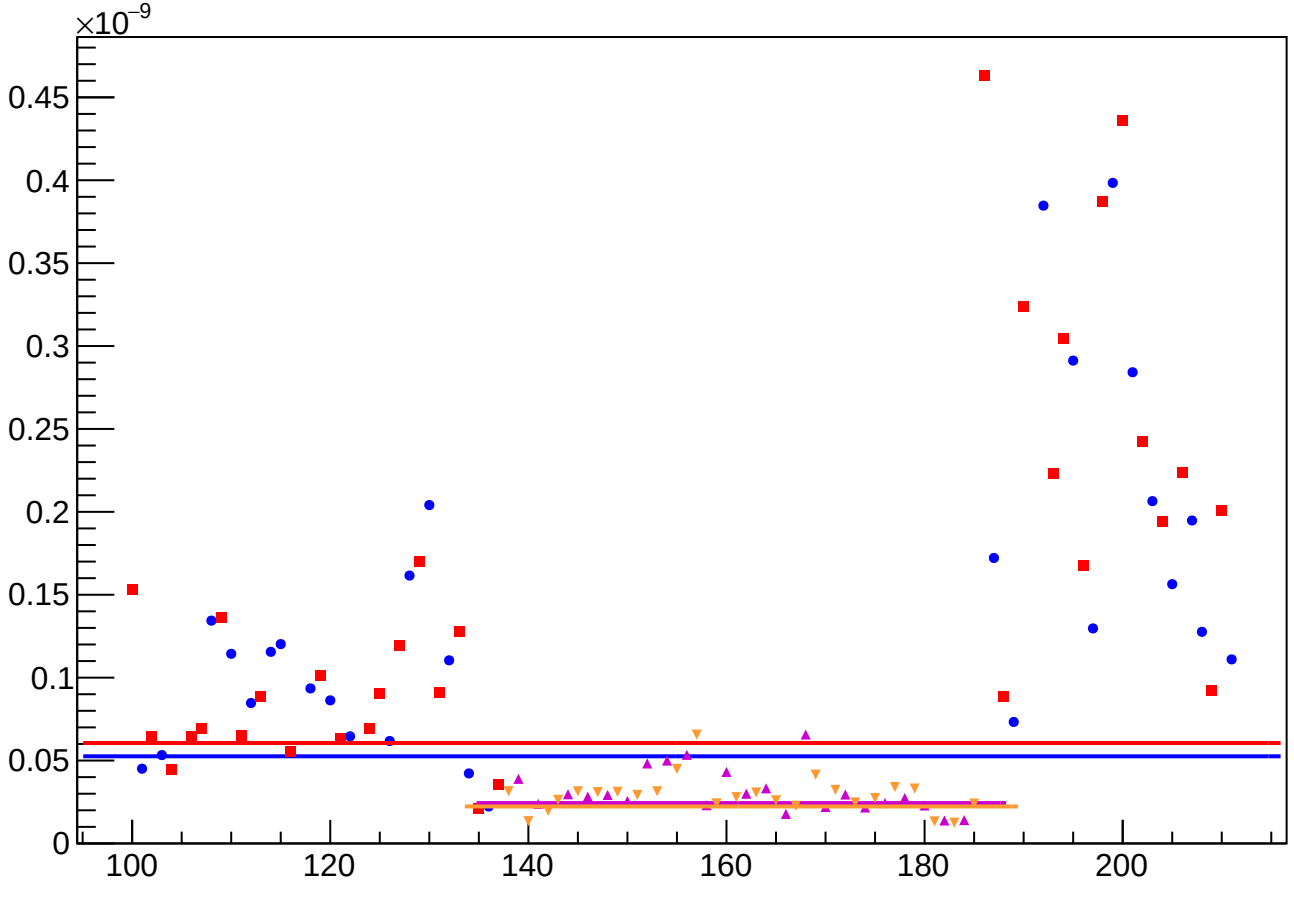
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 69.4/59

In: -0.000+/-0.000 χ^2/NDF:46.0/50

Out: 0.000+/-0.000 χ^2/NDF:75.5/56

All: -0.000+/-0.000 χ^2/NDF: 124.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 8793507.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8603655.5/31

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

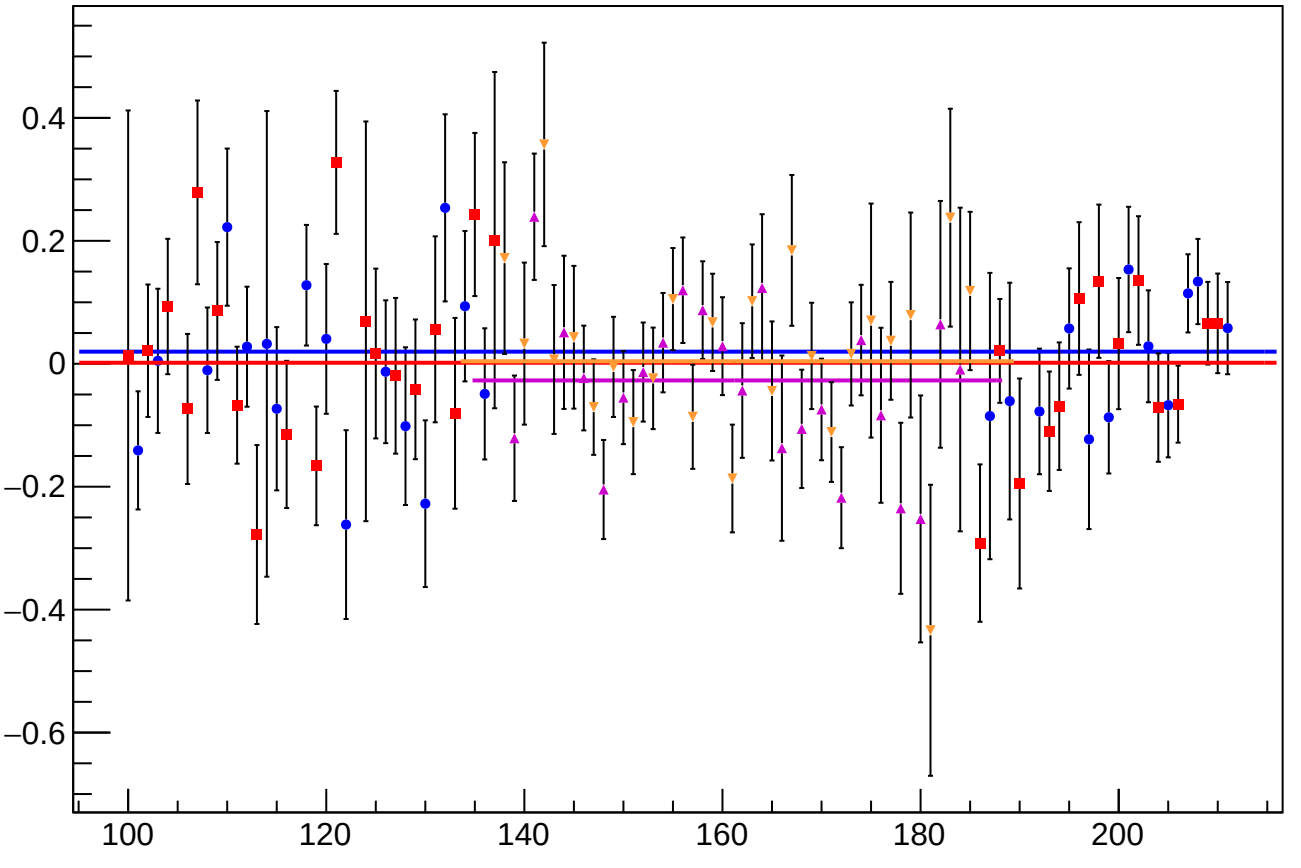
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17506269.0/59

In: 0.000+/-0.000 χ^2/NDF:14613438.2/50

Out: 0.000+/-0.000 χ^2/NDF:16471052.0/56

All: 0.000+/-0.000 χ^2/NDF: 31177874.2/107



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.019 χ^2/NDF: 41.0/31

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

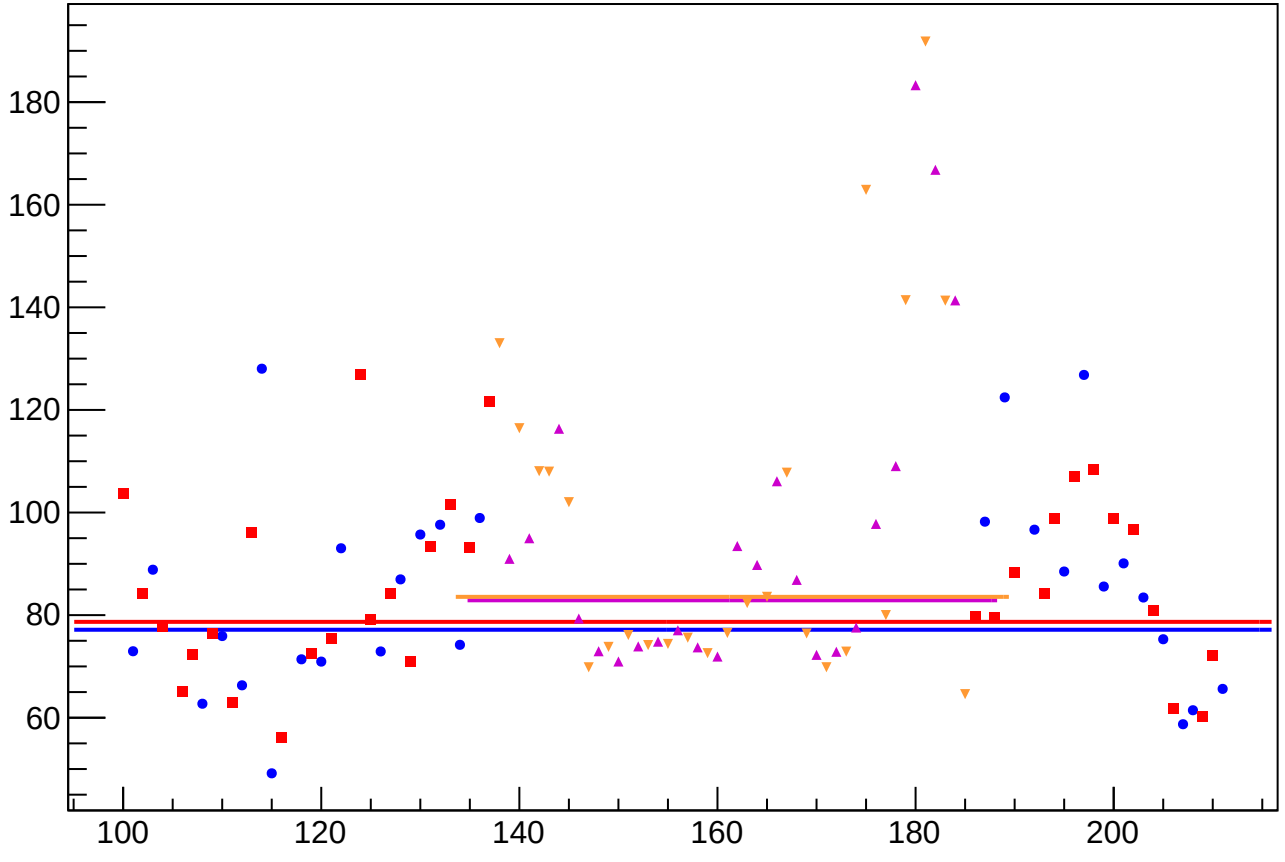
Right: 0.010+/-0.014 χ^2/NDF: 71.1/59

In: -0.003+/-0.014 χ^2/NDF:64.3/50

Out: 0.003+/-0.014 χ^2/NDF:69.1/56

All: -0.000+/-0.010 χ^2/NDF: 133.5/107

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.151+/-0.014 χ^2/NDF: 1254449.0/27

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145082.3/31

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

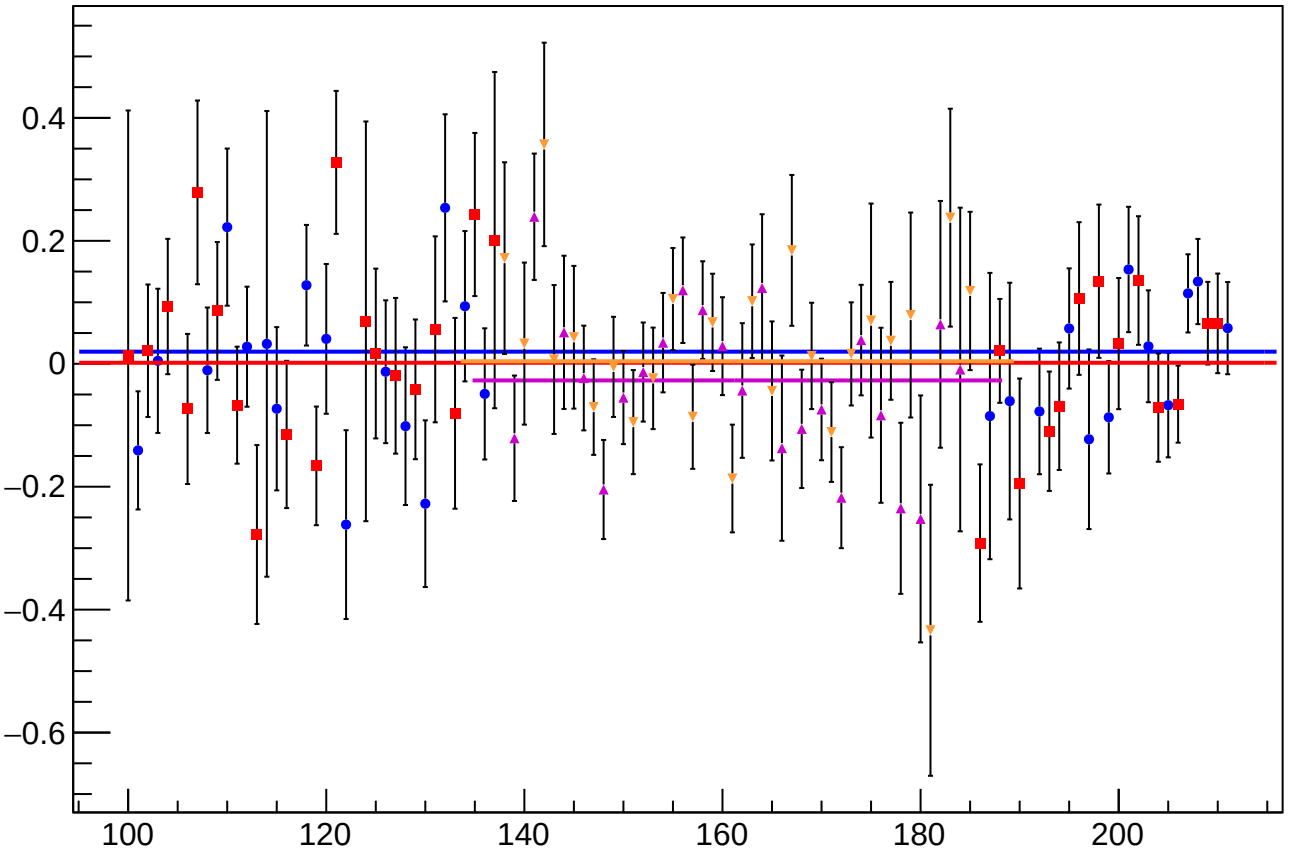
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.938+/-0.010 χ^2/NDF: 2405612.2/59

In: 79.938+/-0.010 χ^2/NDF:2907723.5/50

Out: 81.028+/-0.010 χ^2/NDF:3378013.1/56

All: 80.493+/-0.007 χ^2/NDF: 6291631.5/107



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.019 χ^2/NDF: 41.0/31

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

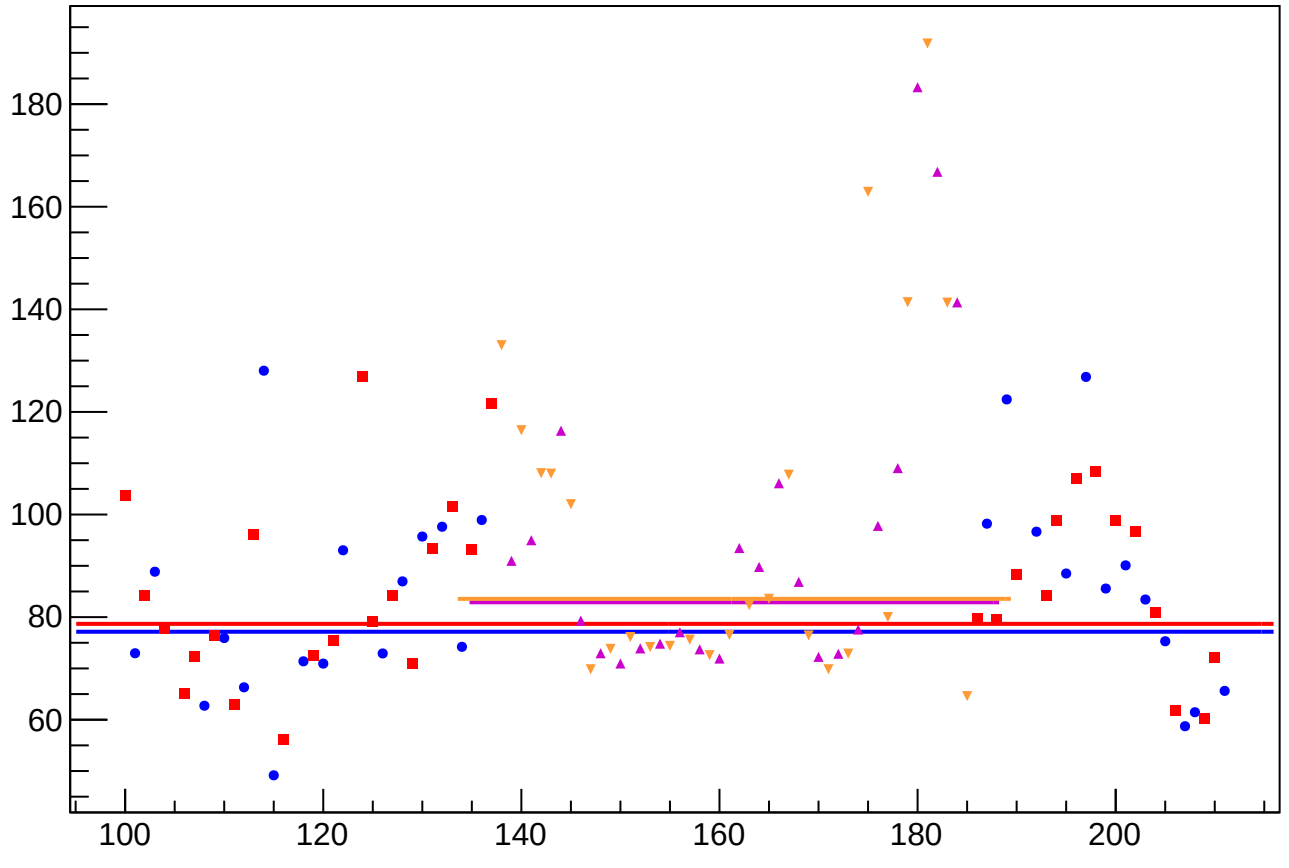
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.010+/-0.014 χ^2/NDF: 71.1/59

In: -0.003+/-0.014 χ^2/NDF:64.3/50

Out: 0.003+/-0.014 χ^2/NDF:69.1/56

All: -0.000+/-0.010 χ^2/NDF: 133.5/107



Right In: 77.151+/-0.014 χ^2/NDF: 1254449.0/27

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145082.3/31

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

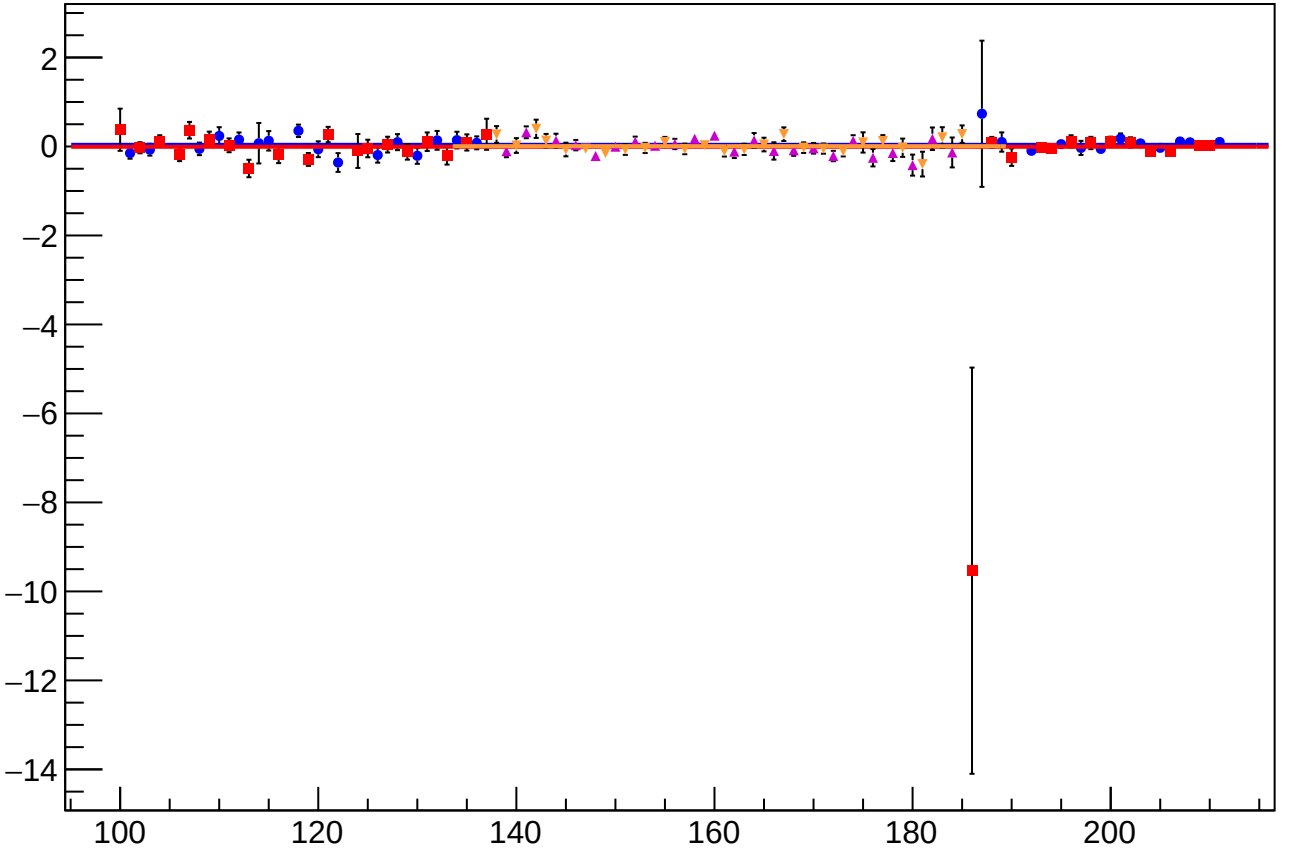
Right: 77.938+/-0.010 χ^2/NDF: 2405612.2/59

In: 79.938+/-0.010 χ^2/NDF:2907723.5/50

Out: 81.028+/-0.010 χ^2/NDF:3378013.1/56

All: 80.493+/-0.007 χ^2/NDF: 6291631.5/107

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.026 χ^2/NDF: 24.8/27

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.007+/-0.025 χ^2/NDF: 35.8/31

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

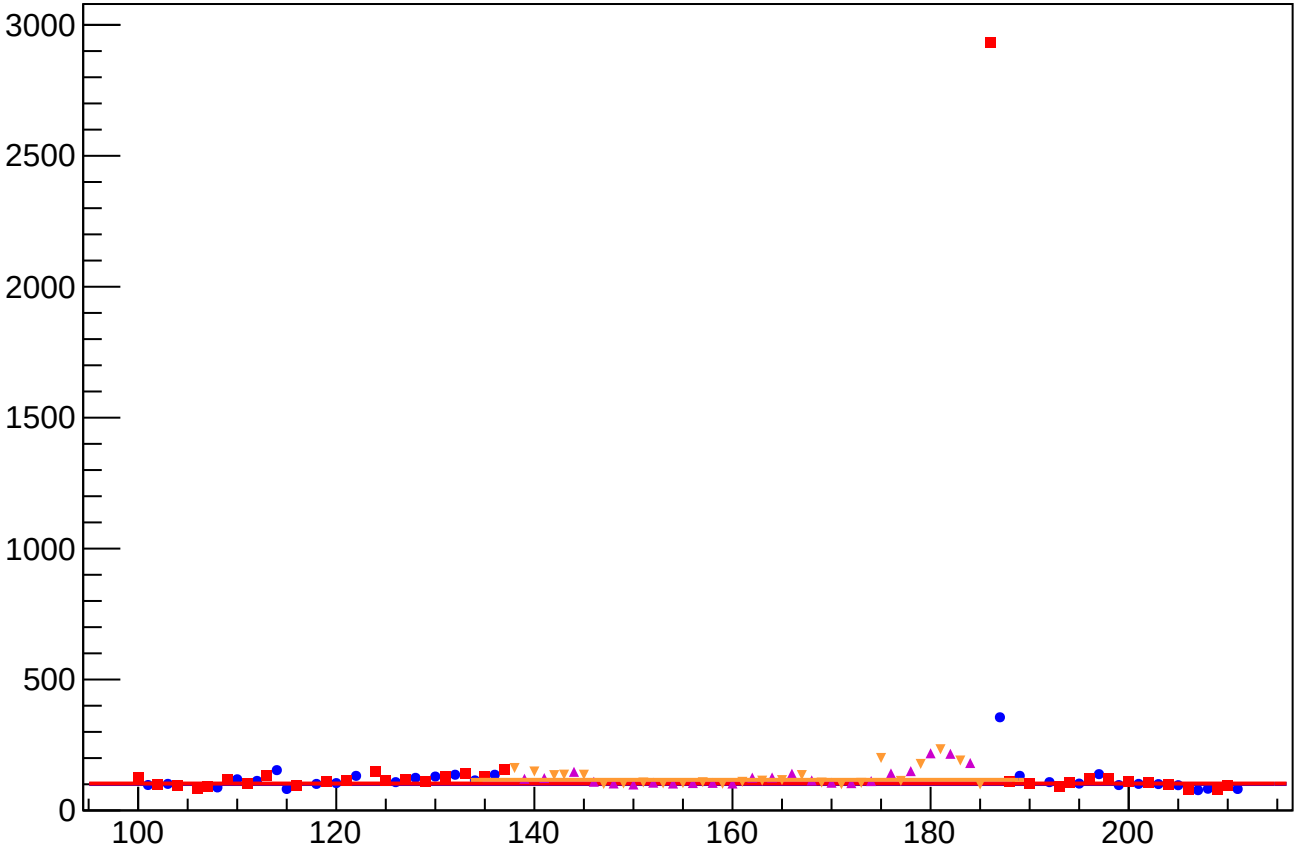
Right: 0.015+/-0.018 χ^2/NDF: 62.1/59

In: 0.025+/-0.019 χ^2/NDF:56.7/50

Out: -0.001+/-0.019 χ^2/NDF:57.2/56

All: 0.012+/-0.013 χ^2/NDF: 114.8/107

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 100.953+/-0.018 χ^2/NDF: 940436.0/27

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 102.760+/-0.018 χ^2/NDF: 1559348.6/31

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

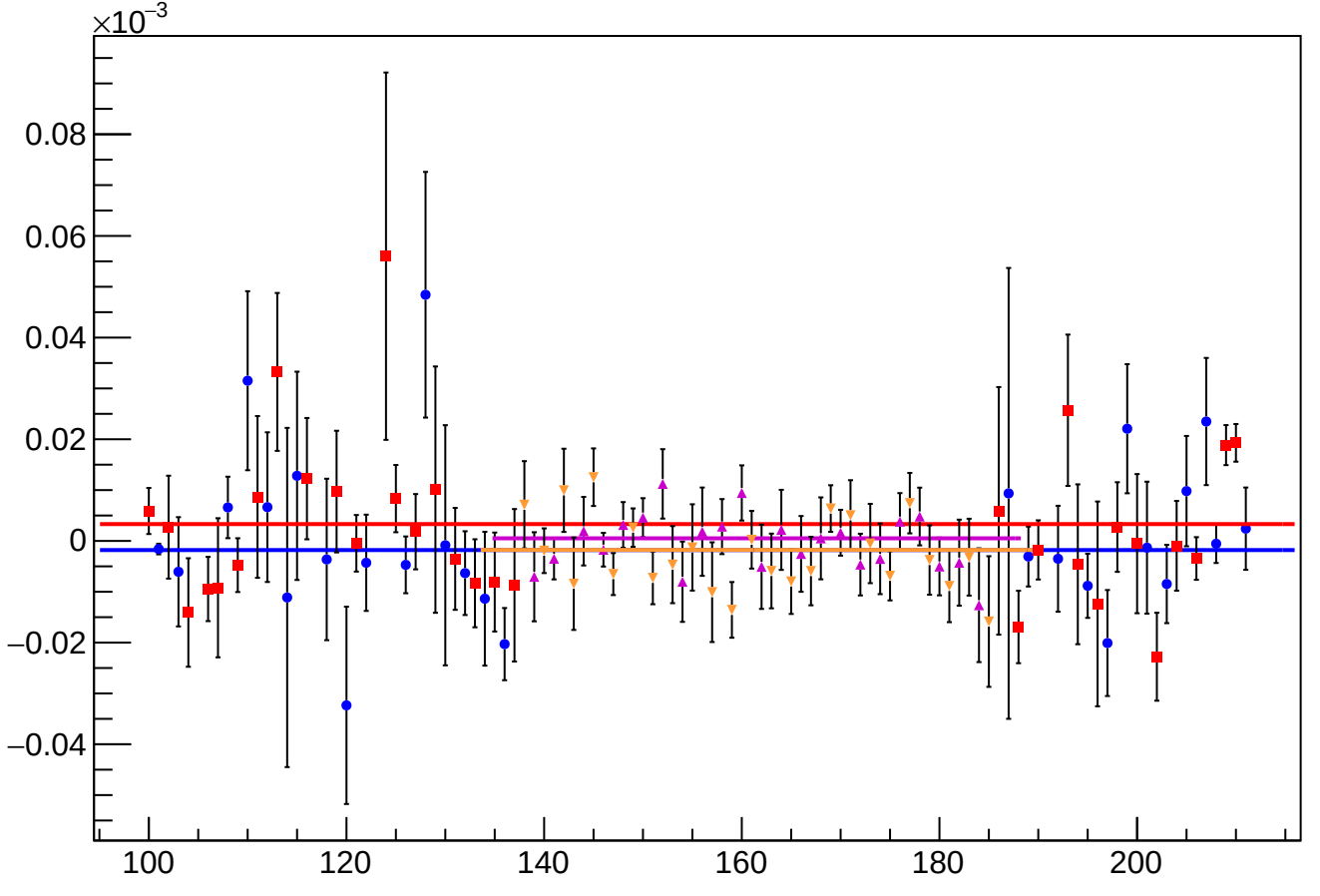
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 101.873+/-0.013 χ^2/NDF: 2504763.4/59

In: 107.767+/-0.013 χ^2/NDF:2475880.2/50

Out: 109.185+/-0.013 χ^2/NDF:3438229.7/56

All: 108.488+/-0.009 χ^2/NDF: 5919747.9/107



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 80.6/31

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

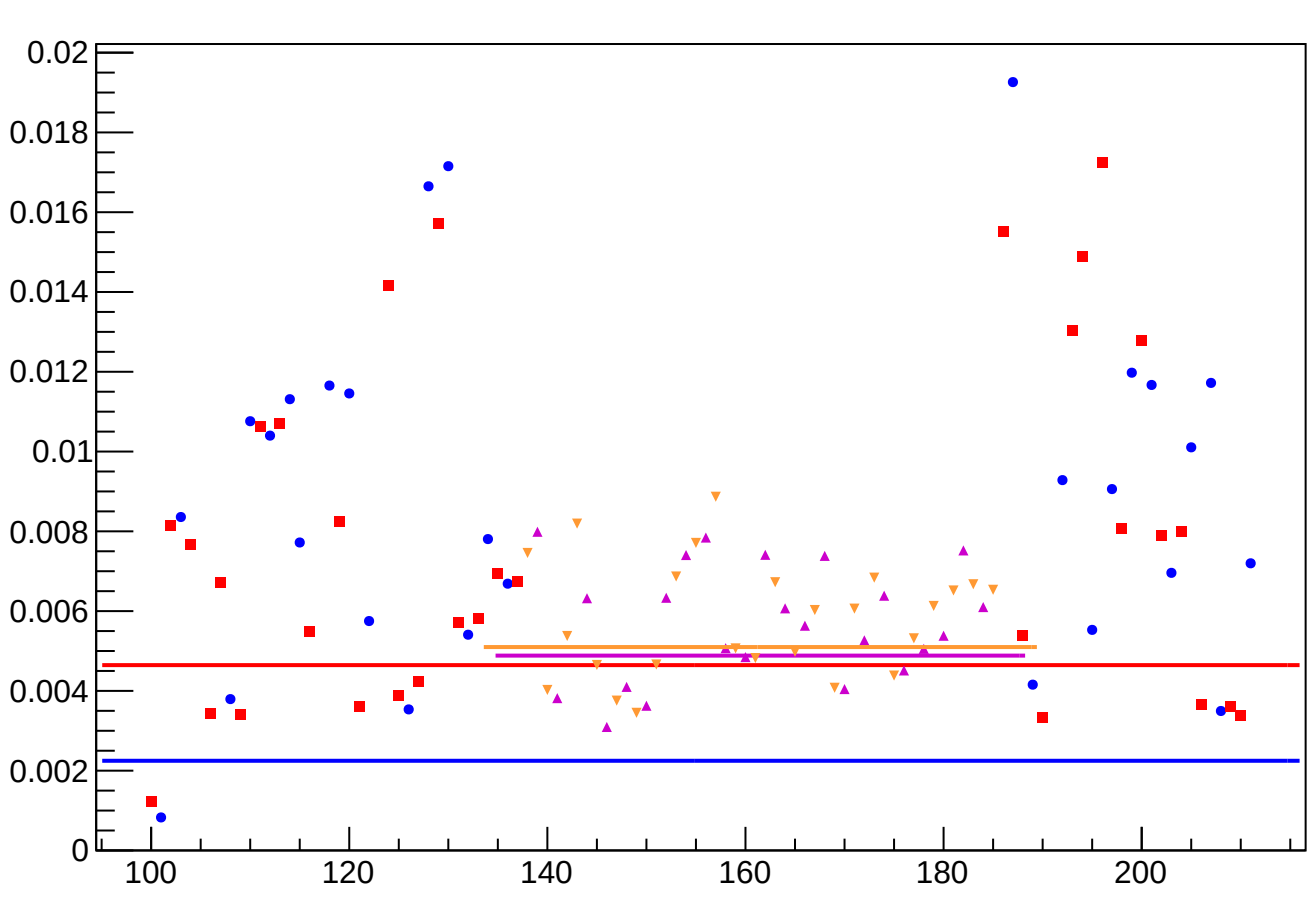
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 126.6/59

In: -0.000+/-0.000 χ^2/NDF:53.7/50

Out: 0.000+/-0.000 χ^2/NDF:119.7/56

All: -0.000+/-0.000 χ^2/NDF: 175.2/107



Right In: 0.002+/-0.000 χ^2/NDF: 19261753.9/27

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8268137.6/31

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

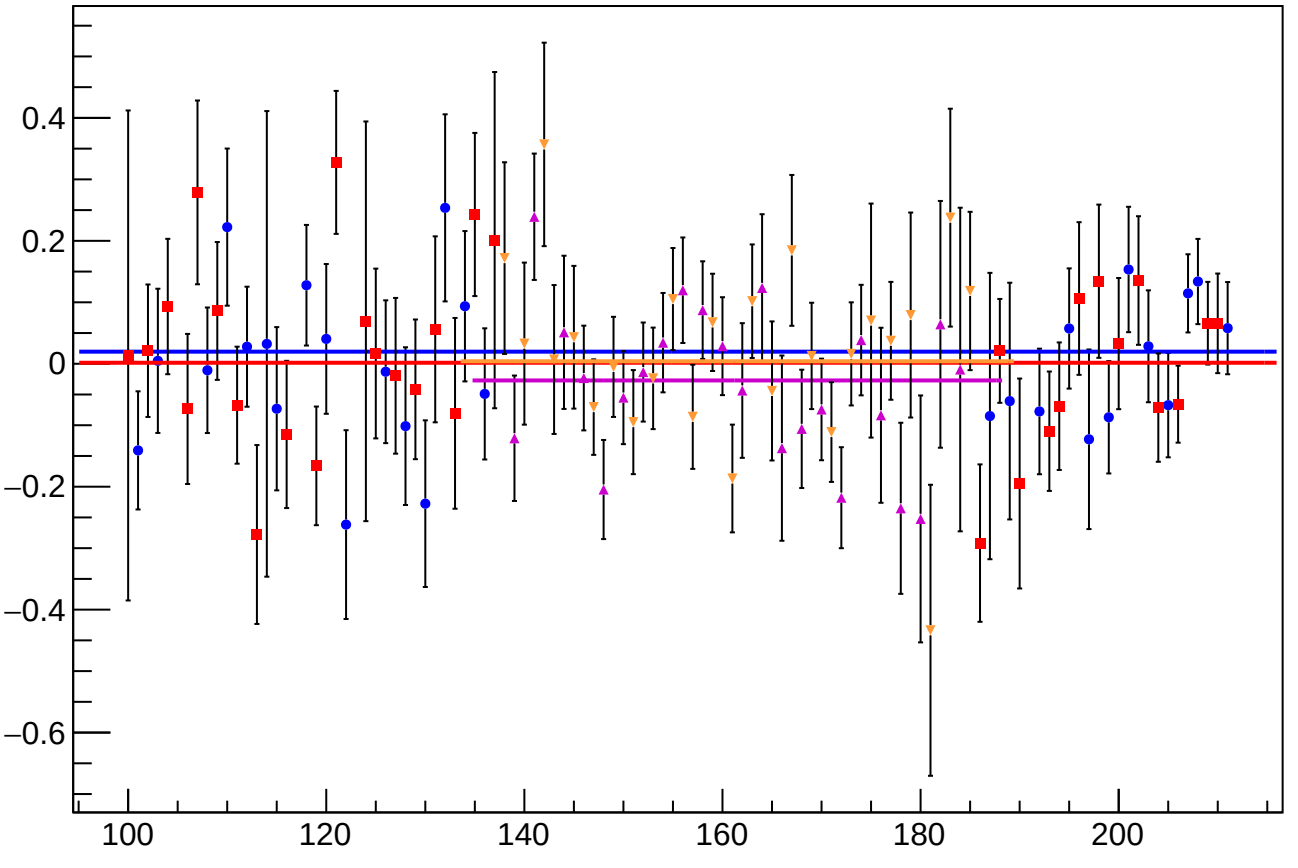
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 32042498.7/59

In: 0.003+/-0.000 χ^2/NDF:28241018.5/50

Out: 0.005+/-0.000 χ^2/NDF:10774087.6/56

All: 0.004+/-0.000 χ^2/NDF: 43438811.1/107



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.019 χ^2/NDF: 41.0/31

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

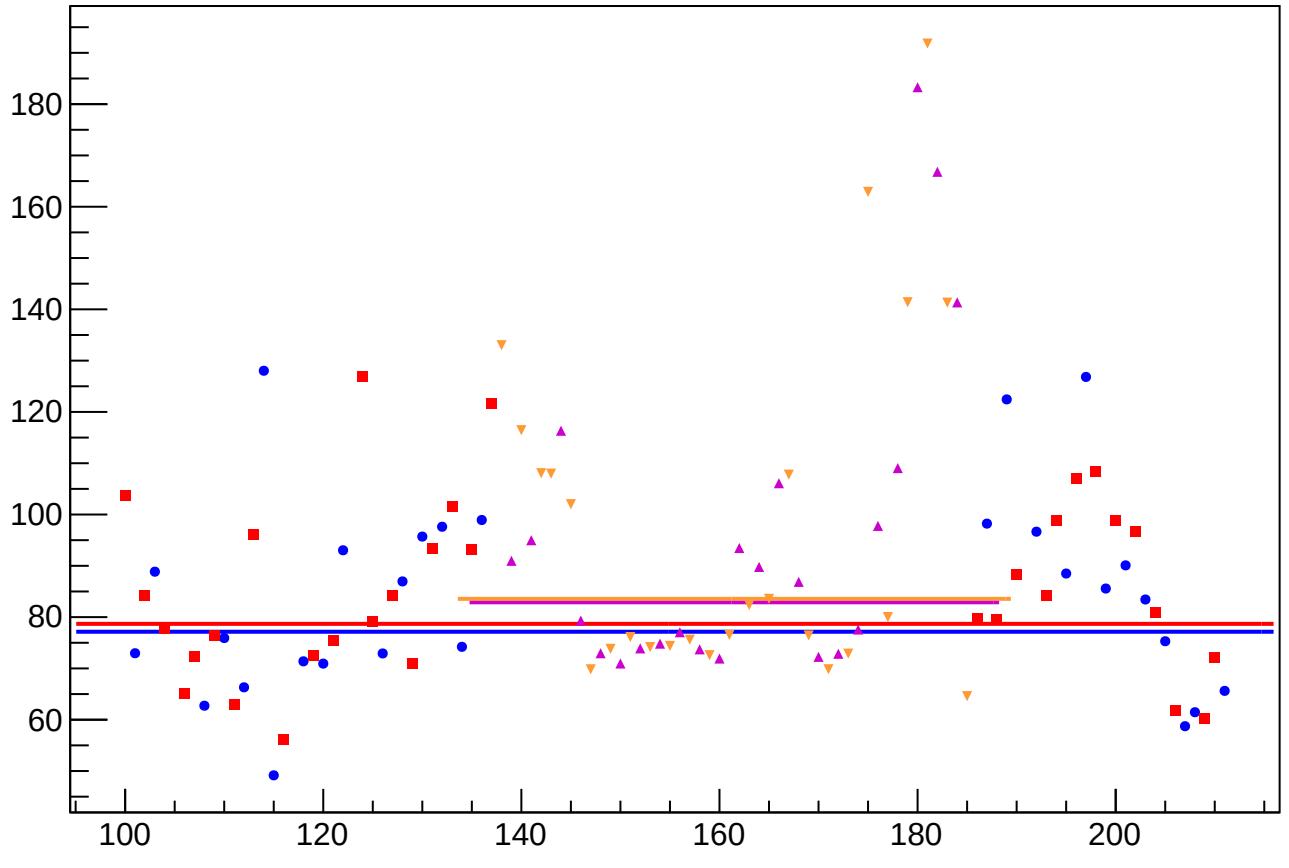
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.010+/-0.014 χ^2/NDF: 71.1/59

In: -0.003+/-0.014 χ^2/NDF:64.3/50

Out: 0.003+/-0.014 χ^2/NDF:69.1/56

All: -0.000+/-0.010 χ^2/NDF: 133.5/107



Right In: 77.151+/-0.014 χ^2/NDF: 1254338.8/27

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145019.9/31

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

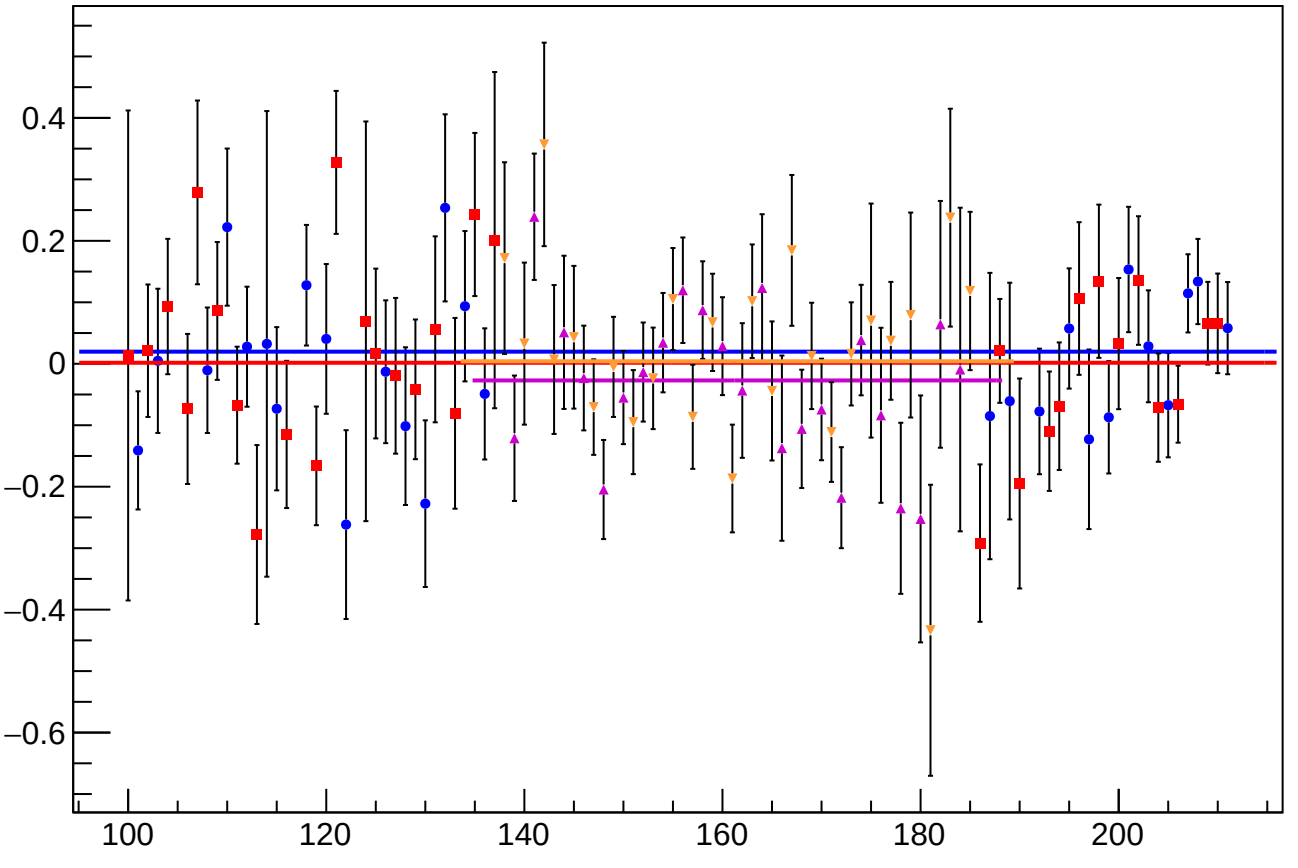
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.938+/-0.010 χ^2/NDF: 2405433.0/59

In: 79.939+/-0.010 χ^2/NDF:2907595.9/50

Out: 81.028+/-0.010 χ^2/NDF:3377970.6/56

All: 80.493+/-0.007 χ^2/NDF: 6291457.3/107



Right In: 0.020+/-0.020 χ^2/NDF: 29.7/27

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.019 χ^2/NDF: 41.0/31

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

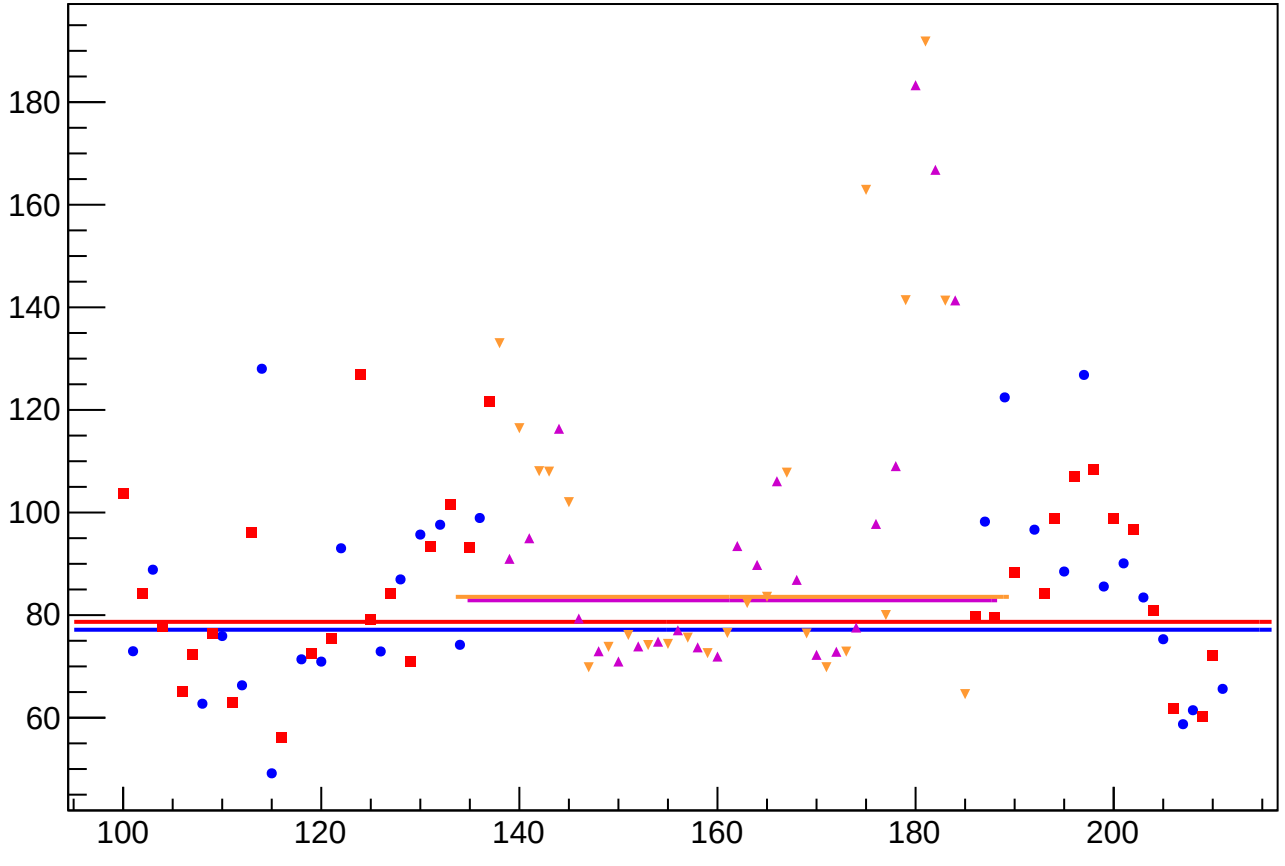
Right: 0.010+/-0.014 χ^2/NDF: 71.1/59

In: -0.003+/-0.014 χ^2/NDF:64.3/50

Out: 0.003+/-0.014 χ^2/NDF:69.1/56

All: -0.000+/-0.010 χ^2/NDF: 133.5/107

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.151+/-0.014 χ^2/NDF: 1254338.8/27

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.689+/-0.014 χ^2/NDF: 1145019.9/31

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

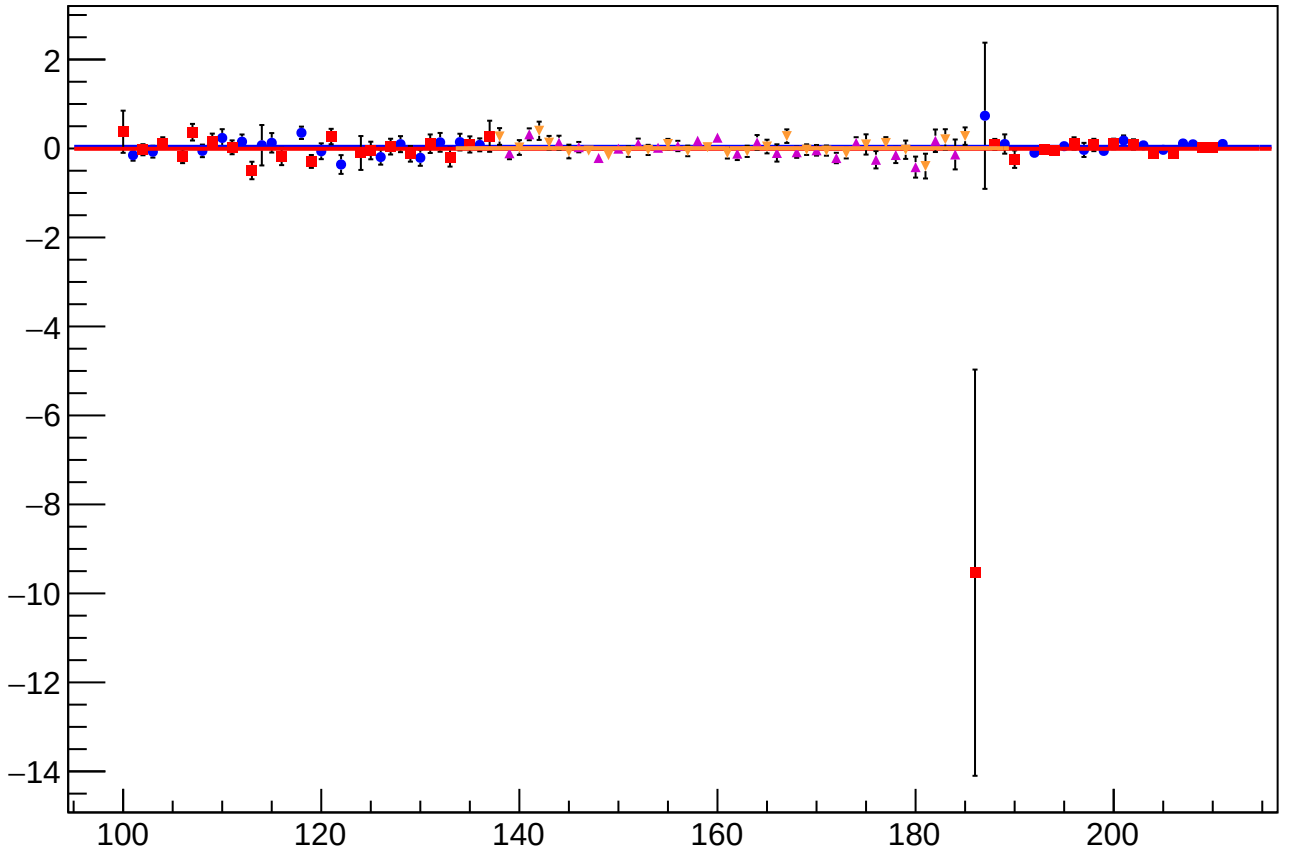
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.938+/-0.010 χ^2/NDF: 2405433.0/59

In: 79.939+/-0.010 χ^2/NDF:2907595.9/50

Out: 81.028+/-0.010 χ^2/NDF:3377970.6/56

All: 80.493+/-0.007 χ^2/NDF: 6291457.3/107



Right In: 0.038+/-0.026 χ^2/NDF: 24.8/27

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.007+/-0.025 χ^2/NDF: 35.8/31

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

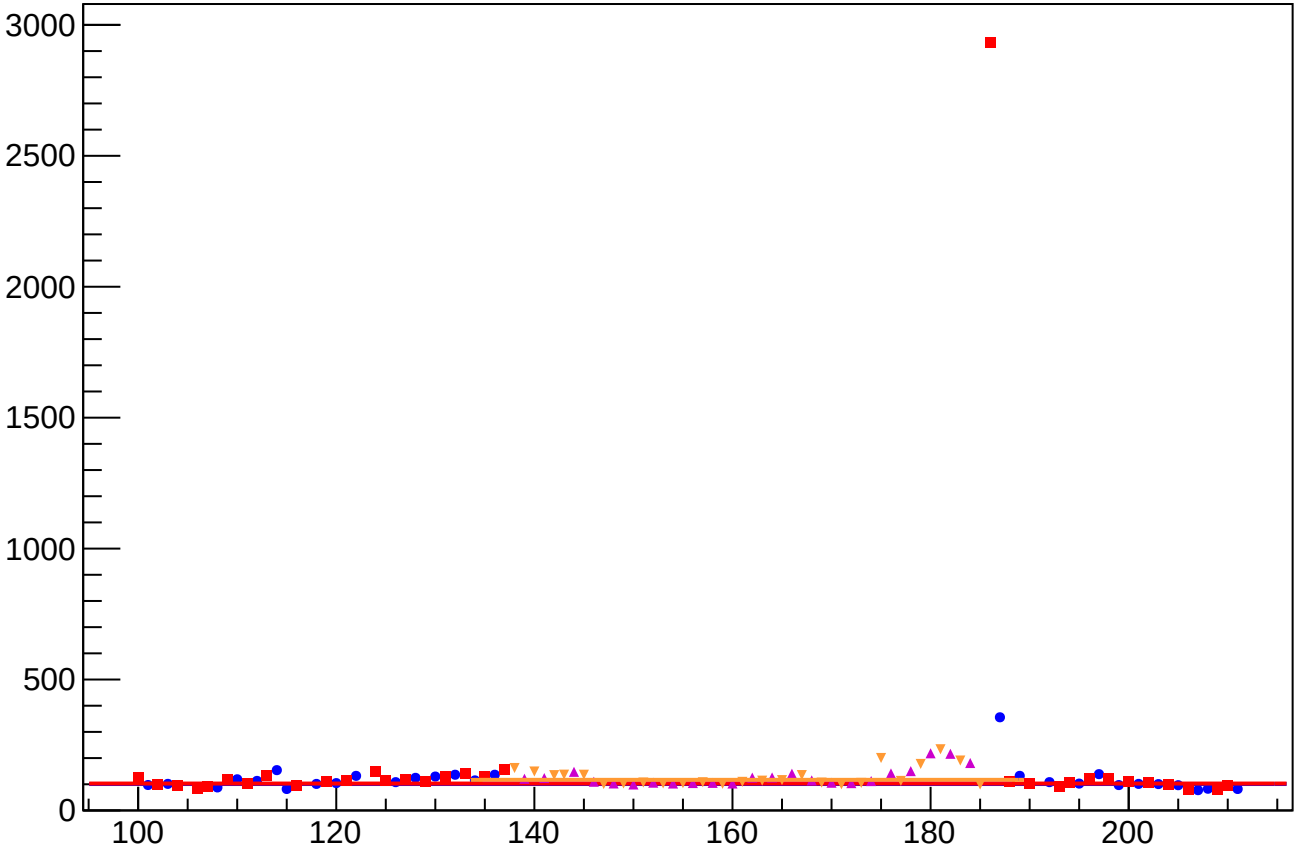
Right: 0.015+/-0.018 χ^2/NDF: 62.1/59

In: 0.025+/-0.019 χ^2/NDF:56.7/50

Out: -0.001+/-0.019 χ^2/NDF:57.2/56

All: 0.012+/-0.013 χ^2/NDF: 114.8/107

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 100.954+/-0.018 χ^2/NDF: 940313.4/27

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 102.760+/-0.018 χ^2/NDF: 1559278.4/31

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

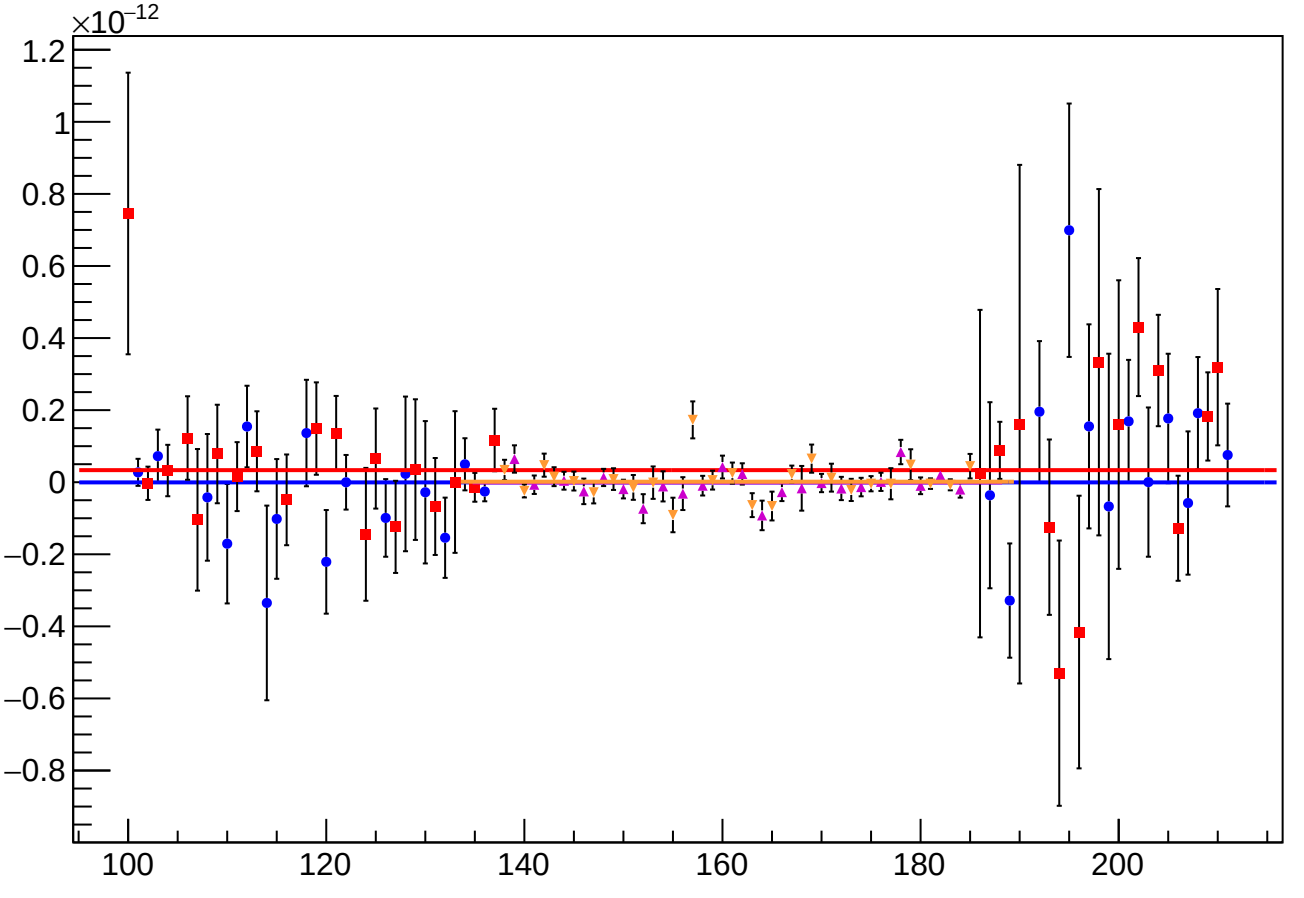
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 101.874+/-0.013 χ^2/NDF: 2504567.3/59

In: 107.767+/-0.013 χ^2/NDF:2475742.7/50

Out: 109.185+/-0.013 χ^2/NDF:3438179.2/56

All: 108.488+/-0.009 χ^2/NDF: 5919557.5/107



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/31

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

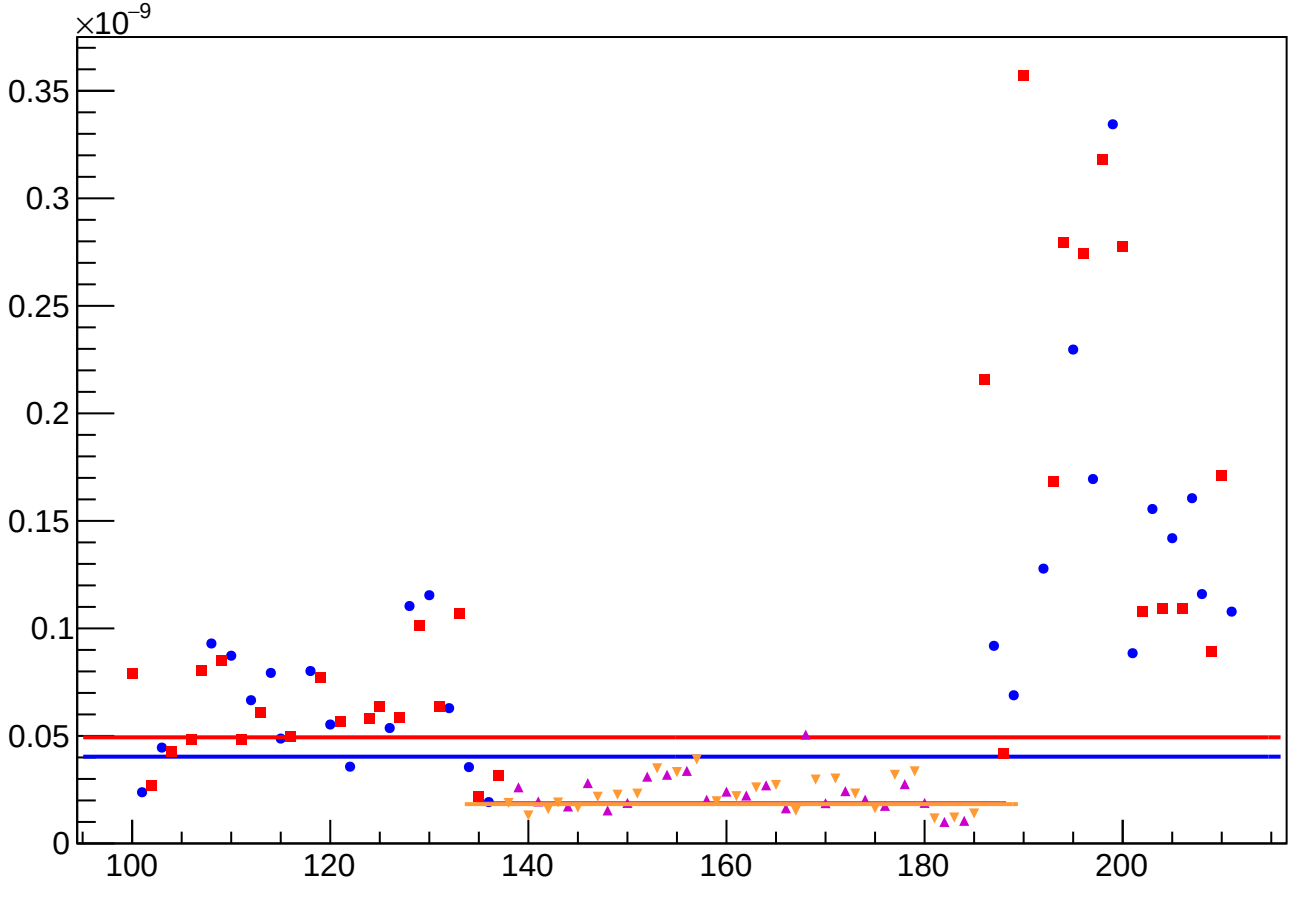
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 59.1/59

In: -0.000+/-0.000 χ^2/NDF:53.9/50

Out: 0.000+/-0.000 χ^2/NDF:69.3/56

All: 0.000+/-0.000 χ^2/NDF: 123.6/107



Right In: 0.000+/-0.000 χ^2/NDF: 8461913.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7799370.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

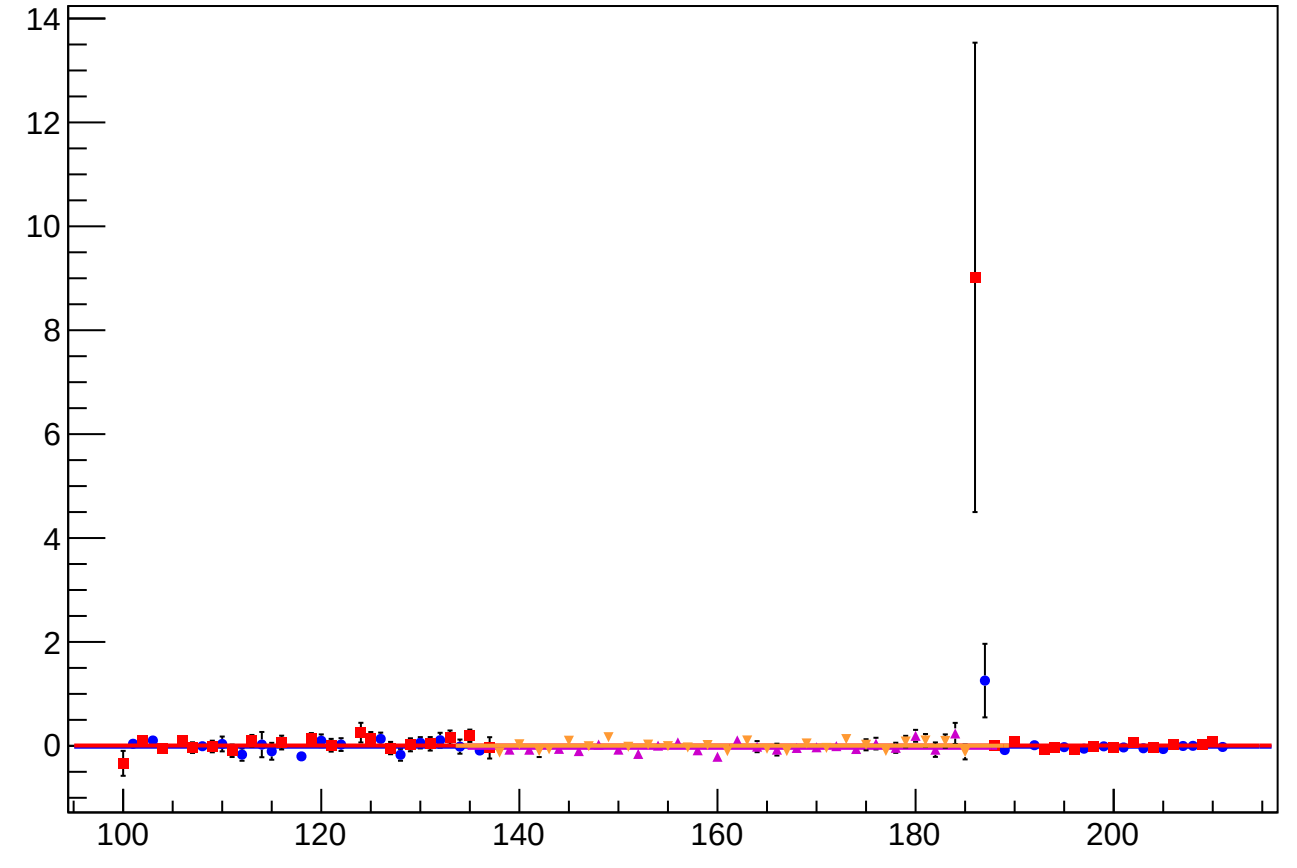
Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16503682.1/59

In: 0.000+/-0.000 χ^2/NDF:14271729.3/50

Out: 0.000+/-0.000 χ^2/NDF:15581251.6/56

All: 0.000+/-0.000 χ^2/NDF: 29855779.6/107



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/27

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 38.1/31

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

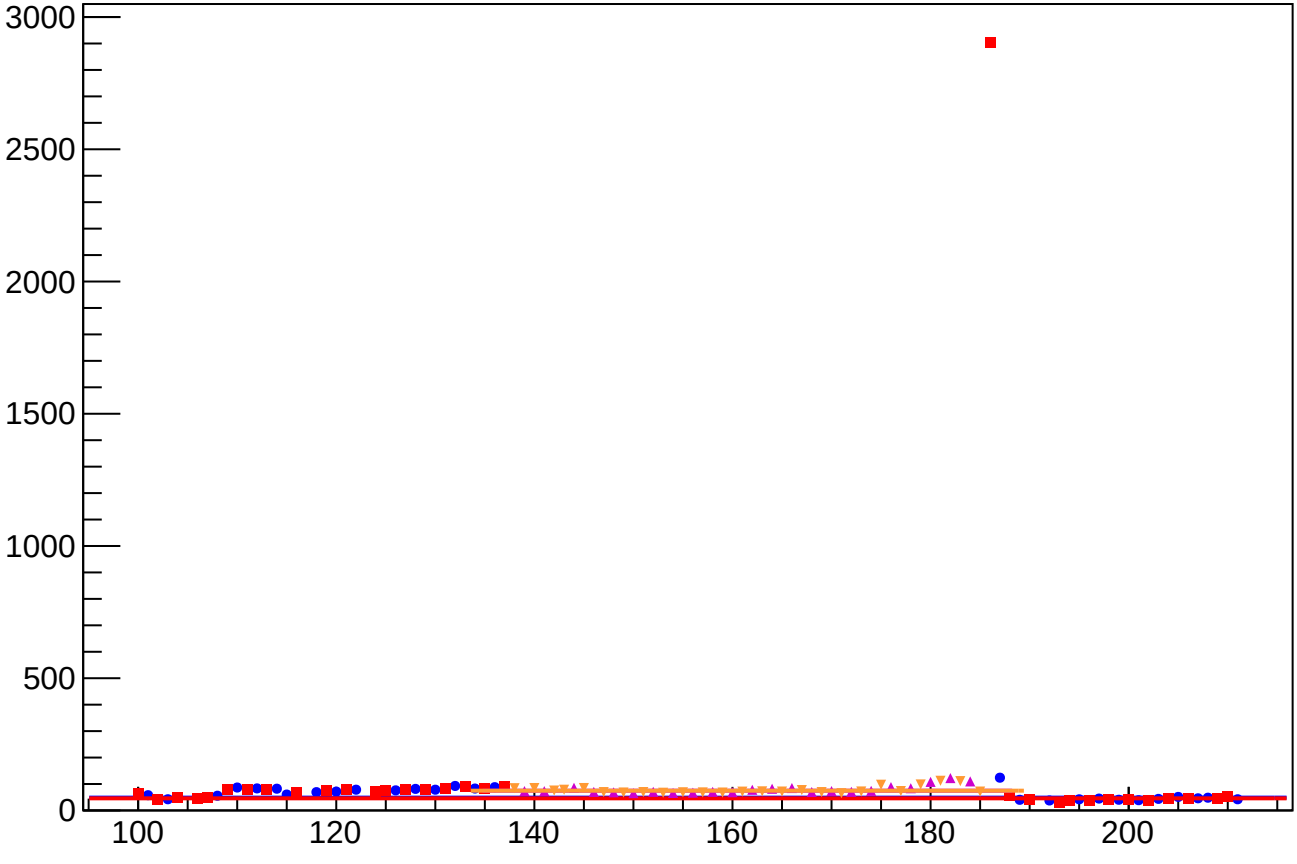
Right: -0.004+/-0.009 χ^2/NDF: 64.0/59

In: -0.024+/-0.010 χ^2/NDF:46.5/50

Out: 0.005+/-0.010 χ^2/NDF:59.7/56

All: -0.009+/-0.007 χ^2/NDF: 110.5/107

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.530+/-0.009 χ^2/NDF: 2282689.0/27

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.832+/-0.008 χ^2/NDF: 3629496.2/31

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

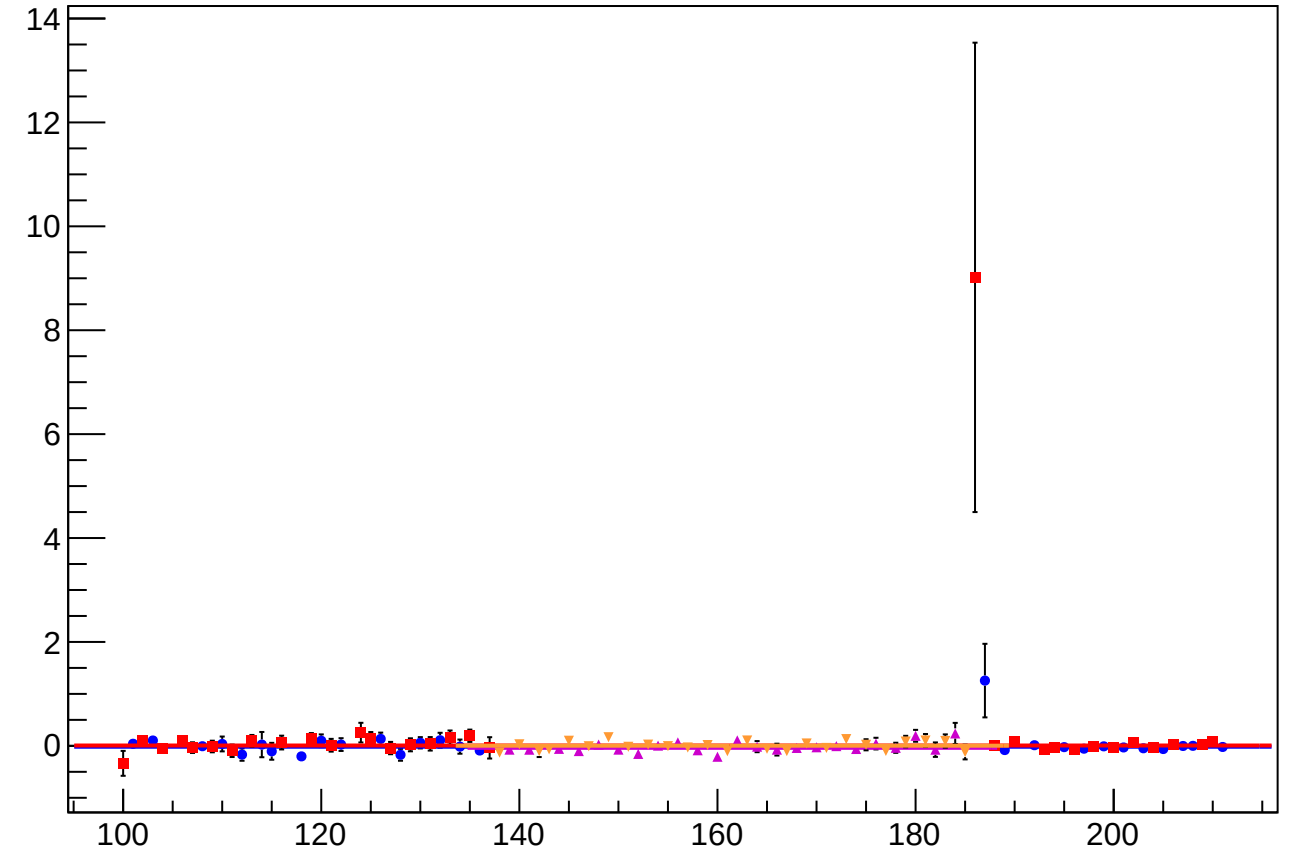
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.085+/-0.006 χ^2/NDF: 5960244.1/59

In: 57.311+/-0.007 χ^2/NDF:5817697.8/50

Out: 54.987+/-0.007 χ^2/NDF:8137667.2/56

All: 56.083+/-0.005 χ^2/NDF: 14008397.5/107



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/27

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 38.1/31

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

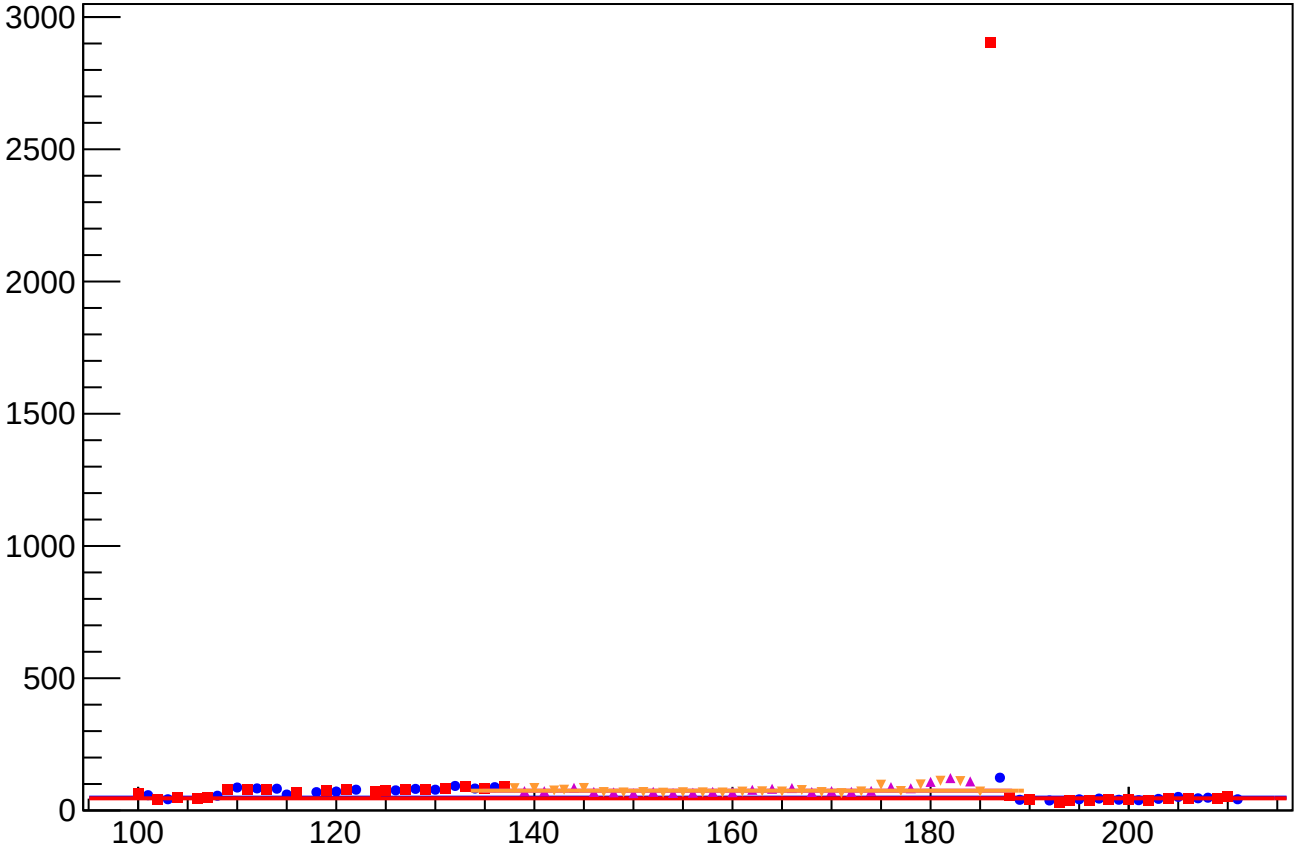
Right: -0.004+/-0.009 χ^2/NDF: 64.0/59

In: -0.024+/-0.010 χ^2/NDF:46.5/50

Out: 0.005+/-0.010 χ^2/NDF:59.7/56

All: -0.009+/-0.007 χ^2/NDF: 110.5/107

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.530+/-0.009 χ^2/NDF: 2282689.0/27

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.832+/-0.008 χ^2/NDF: 3629496.2/31

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

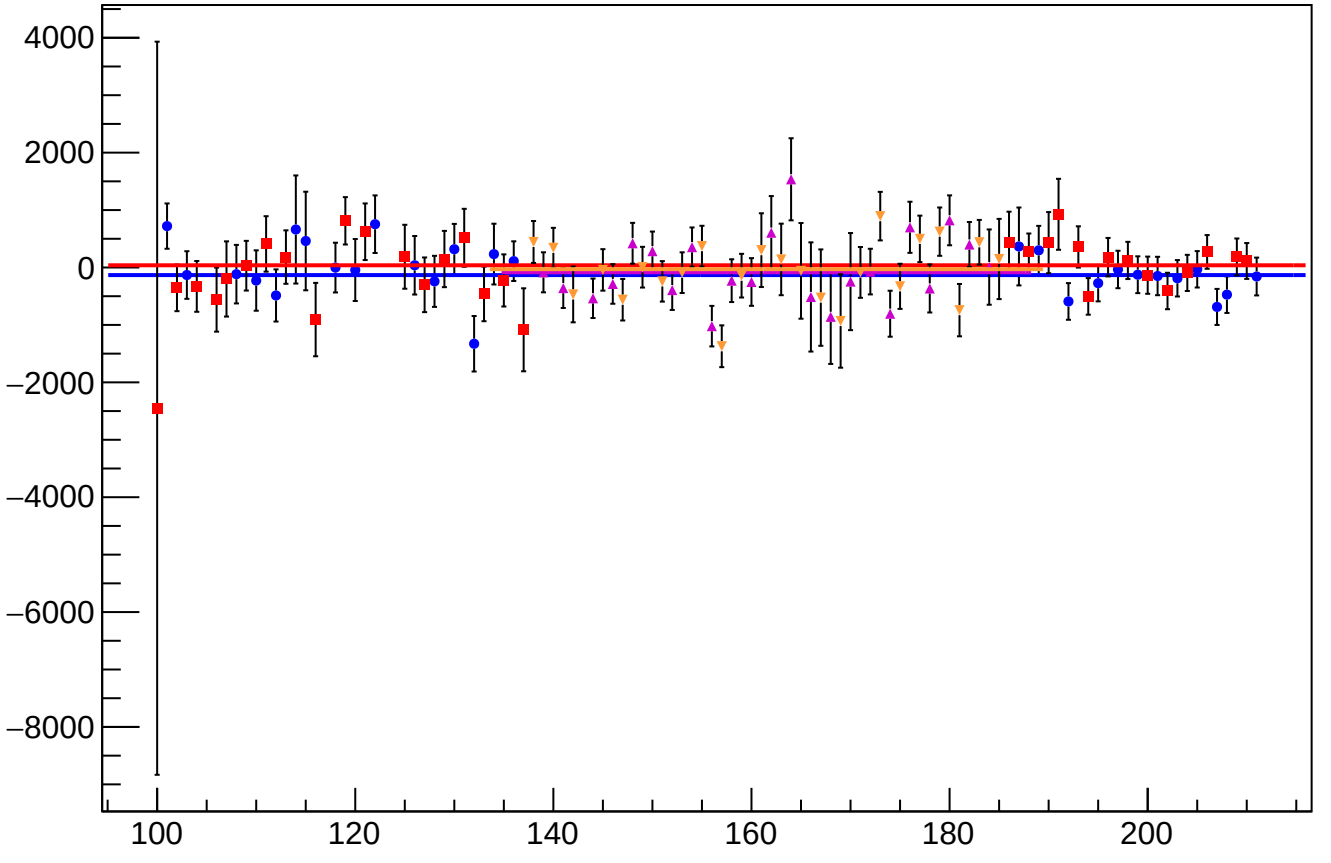
Right: 47.085+/-0.006 χ^2/NDF: 5960244.1/59

In: 57.311+/-0.007 χ^2/NDF:5817697.8/50

Out: 54.987+/-0.007 χ^2/NDF:8137667.2/56

All: 56.083+/-0.005 χ^2/NDF: 14008397.5/107

asym_dsl_mean vs Slug, Sign Corrected



Right In: -132.325+/-75.637 χ^2/NDF: 26.4/27

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 38.384+/-73.044 χ^2/NDF: 27.3/31

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

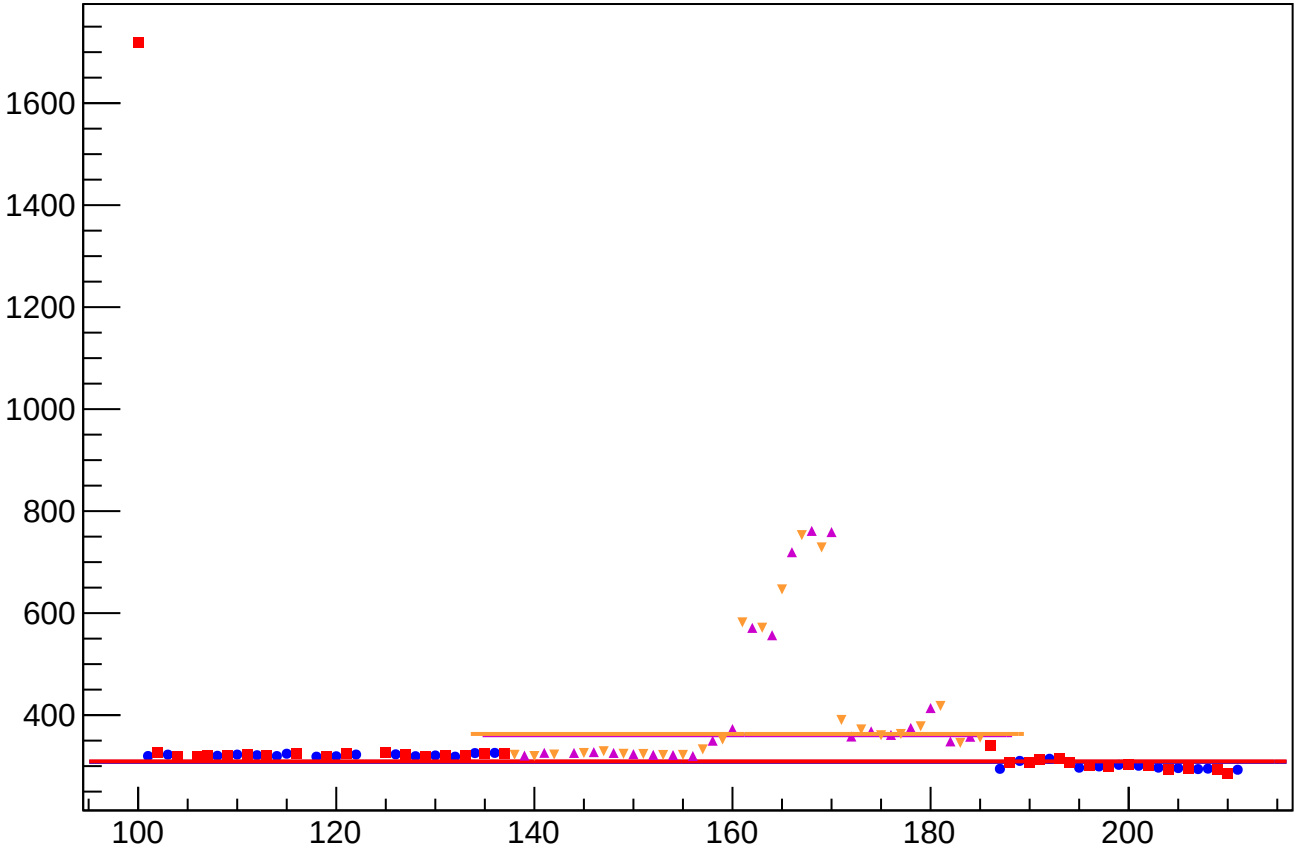
Right: -43.994+/-52.543 χ^2/NDF: 56.3/59

In: -111.258+/-56.932 χ^2/NDF:62.4/50

Out: 10.202+/-55.816 χ^2/NDF:64.2/55

All: -49.325+/-39.857 χ^2/NDF: 128.9/106

asym_dsl_rms vs Slug, Sign Corrected



Right In: 308.319+/-0.053 χ^2/NDF: 50298.0/27

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 309.281+/-0.052 χ^2/NDF: 161166.3/31

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

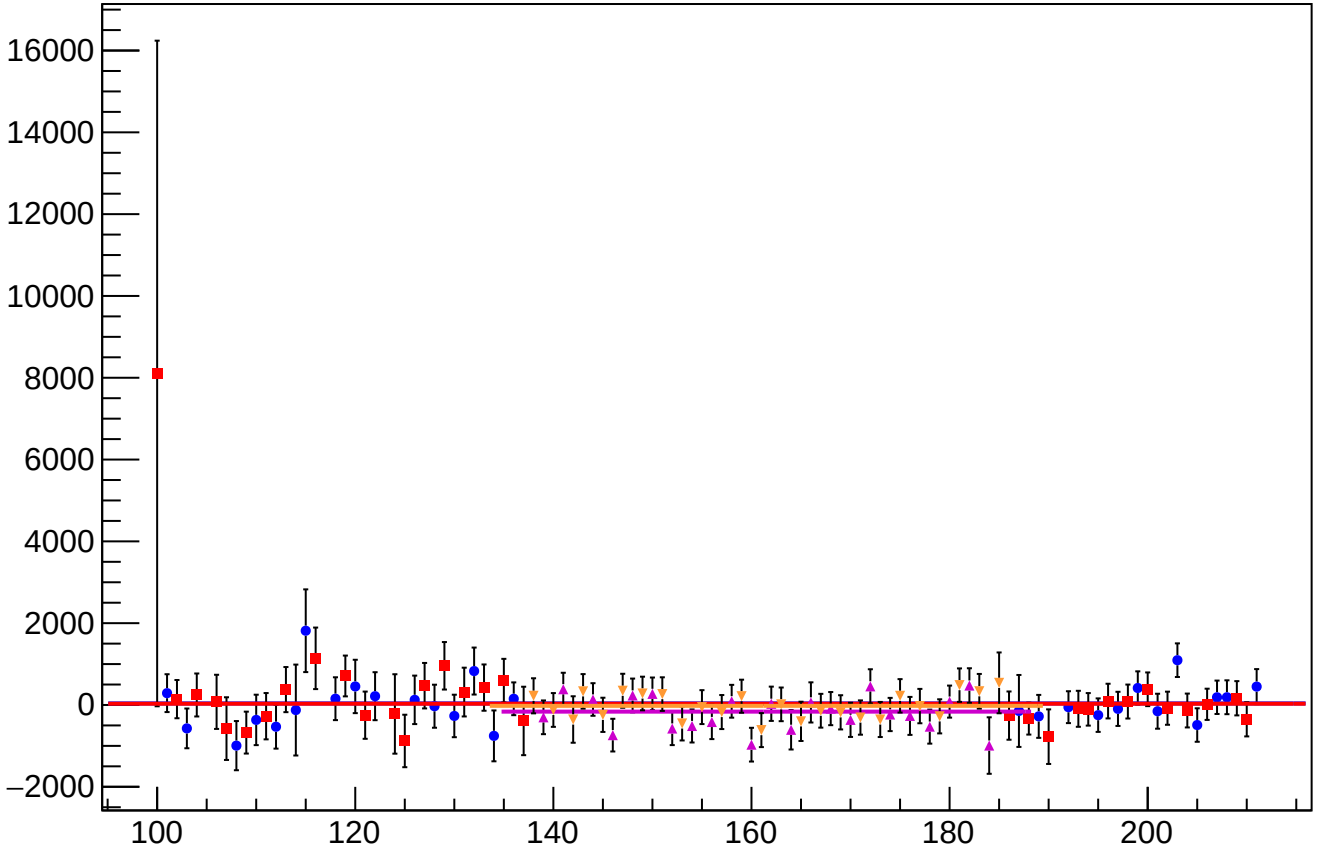
Right: 308.817+/-0.037 χ^2/NDF: 211631.5/59

In: 330.973+/-0.040 χ^2/NDF:2281917.2/50

Out: 331.666+/-0.039 χ^2/NDF:2408160.3/55

All: 331.326+/-0.028 χ^2/NDF: 4690228.2/106

asym_dsr_mean vs Slug, Sign Corrected



Right In: 38.048+/-93.501 χ^2/NDF: 25.6/27

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 30.646+/-90.374 χ^2/NDF: 20.7/31

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

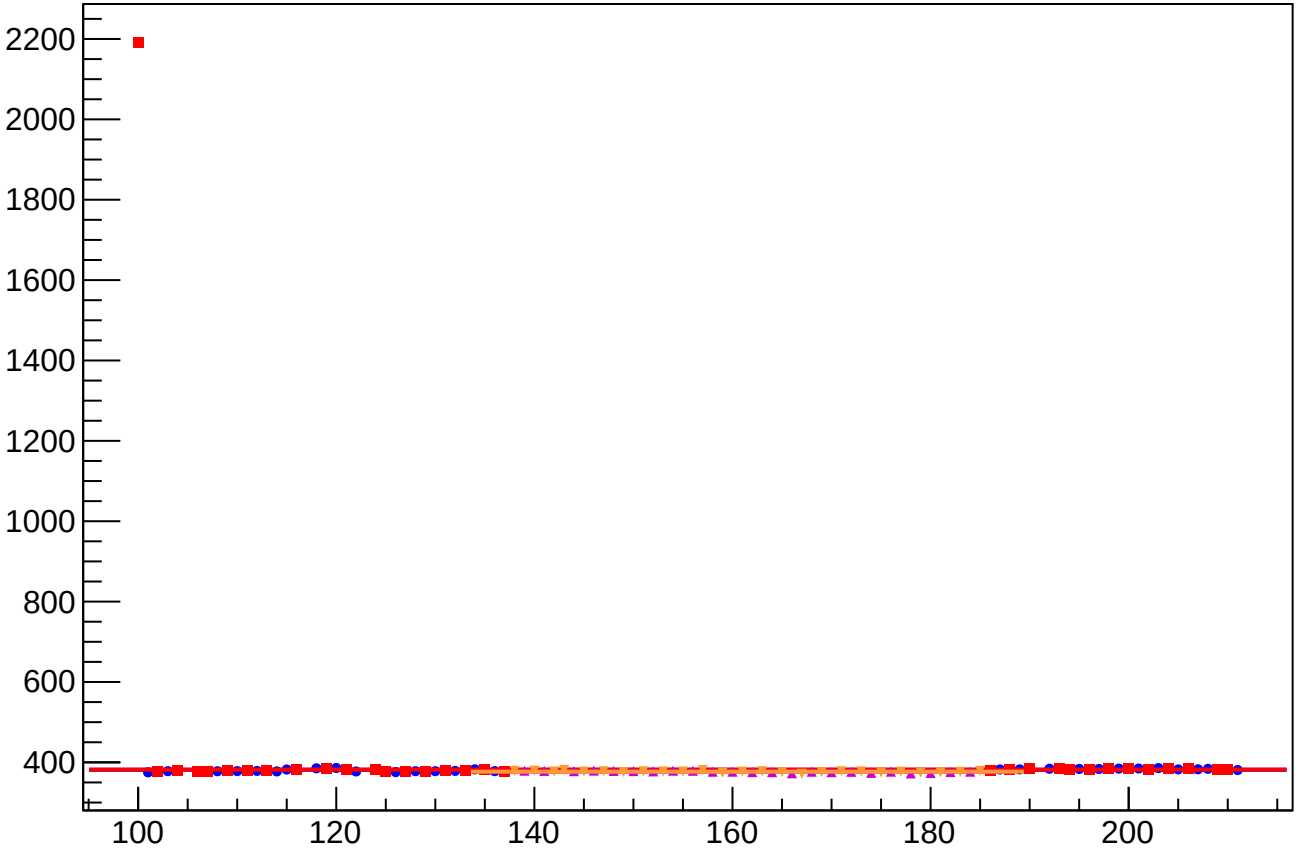
Right: 34.221+/-64.982 χ^2/NDF: 46.4/59

In: -68.569+/-64.079 χ^2/NDF:49.8/50

Out: 3.397+/-62.155 χ^2/NDF:33.5/56

All: -31.490+/-44.615 χ^2/NDF: 84.0/107

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.486+/-0.066 χ^2/NDF: 2244.6/27

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.993+/-0.064 χ^2/NDF: 100688.2/31

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

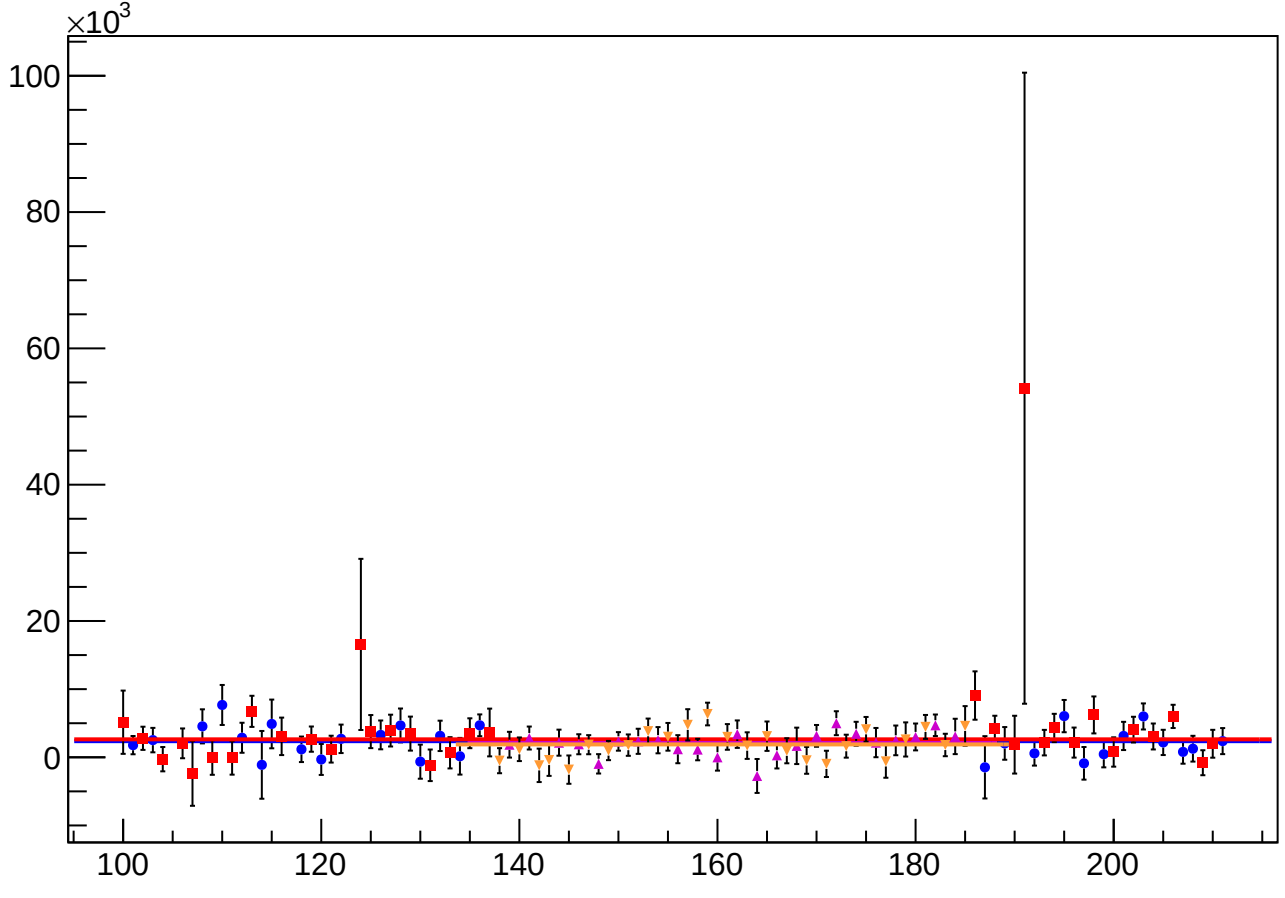
Right: 381.748+/-0.046 χ^2/NDF: 102963.2/59

In: 379.025+/-0.045 χ^2/NDF:5931.0/50

Out: 379.312+/-0.044 χ^2/NDF:105086.6/56

All: 379.173+/-0.032 χ^2/NDF: 111038.3/107

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2366.088+/-398.683 χ^2/NDF: 24.4/27

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2635.427+/-399.662 χ^2/NDF: 32.4/32

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

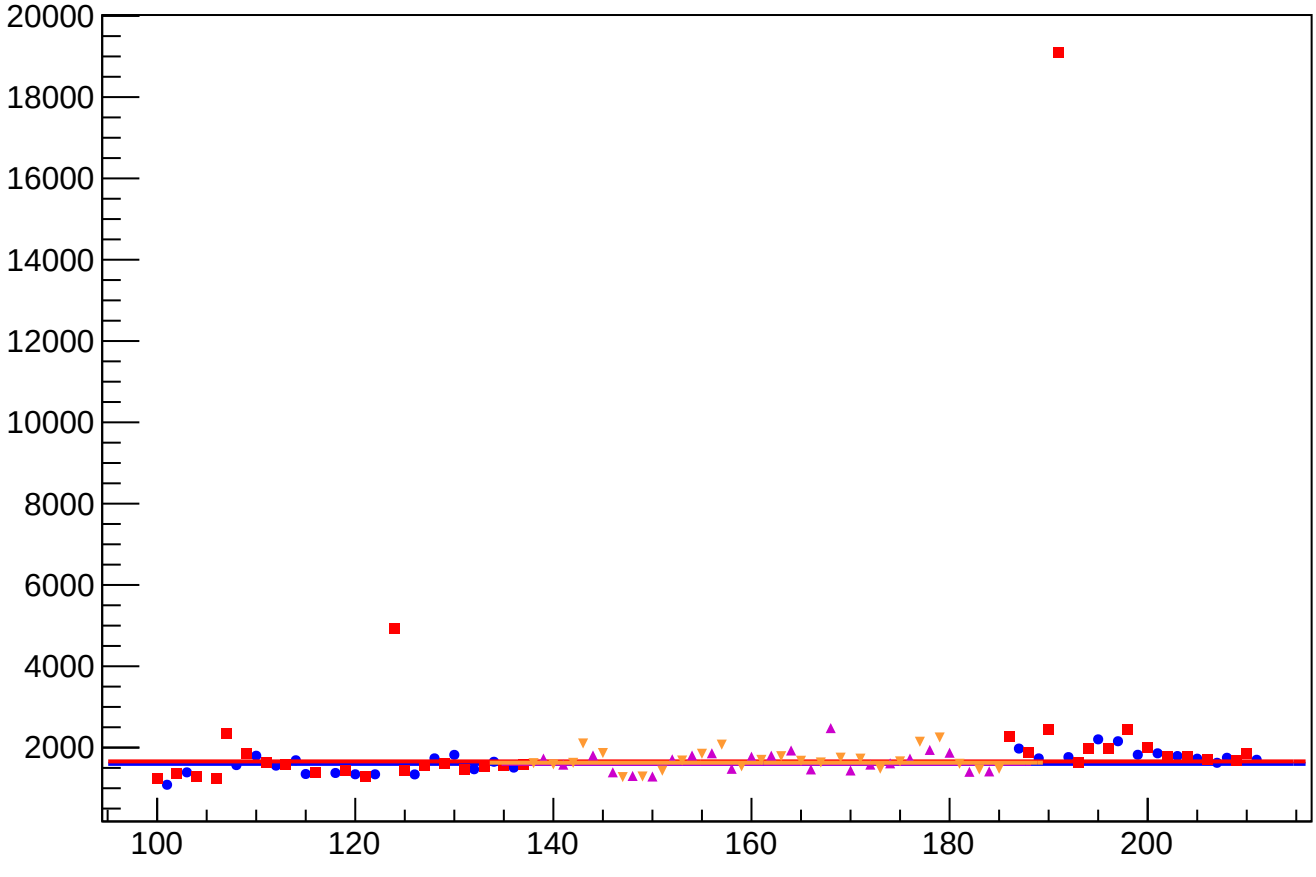
Right: 2500.427+/-282.257 χ^2/NDF: 57.0/60

In: 2229.175+/-274.708 χ^2/NDF:43.2/50

Out: 2239.931+/-273.581 χ^2/NDF:62.6/57

All: 2234.575+/-193.848 χ^2/NDF: 105.8/108

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1599.467+/-0.282 χ^2/NDF: 874369.5/27

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1660.272+/-0.283 χ^2/NDF: 1379899.7/32

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

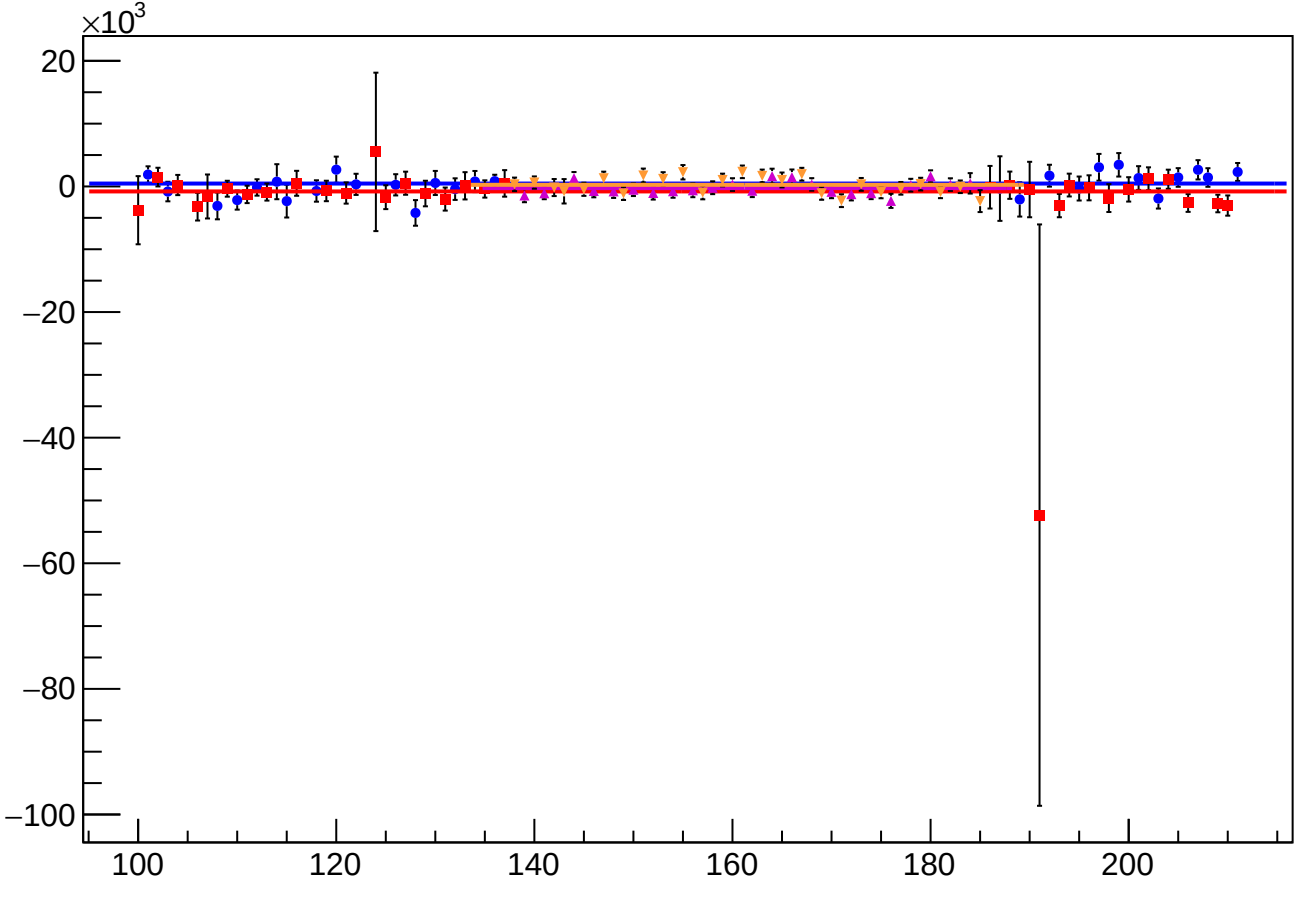
Right: 1629.795+/-0.200 χ^2/NDF: 2277472.7/60

In: 1600.533+/-0.194 χ^2/NDF:1668119.2/50

Out: 1643.377+/-0.193 χ^2/NDF:2165720.4/57

All: 1622.043+/-0.137 χ^2/NDF: 3858263.4/10

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 460.495+/-320.620 χ^2/NDF: 28.9/27

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -793.428+/-320.977 χ^2/NDF: 19.1/32

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

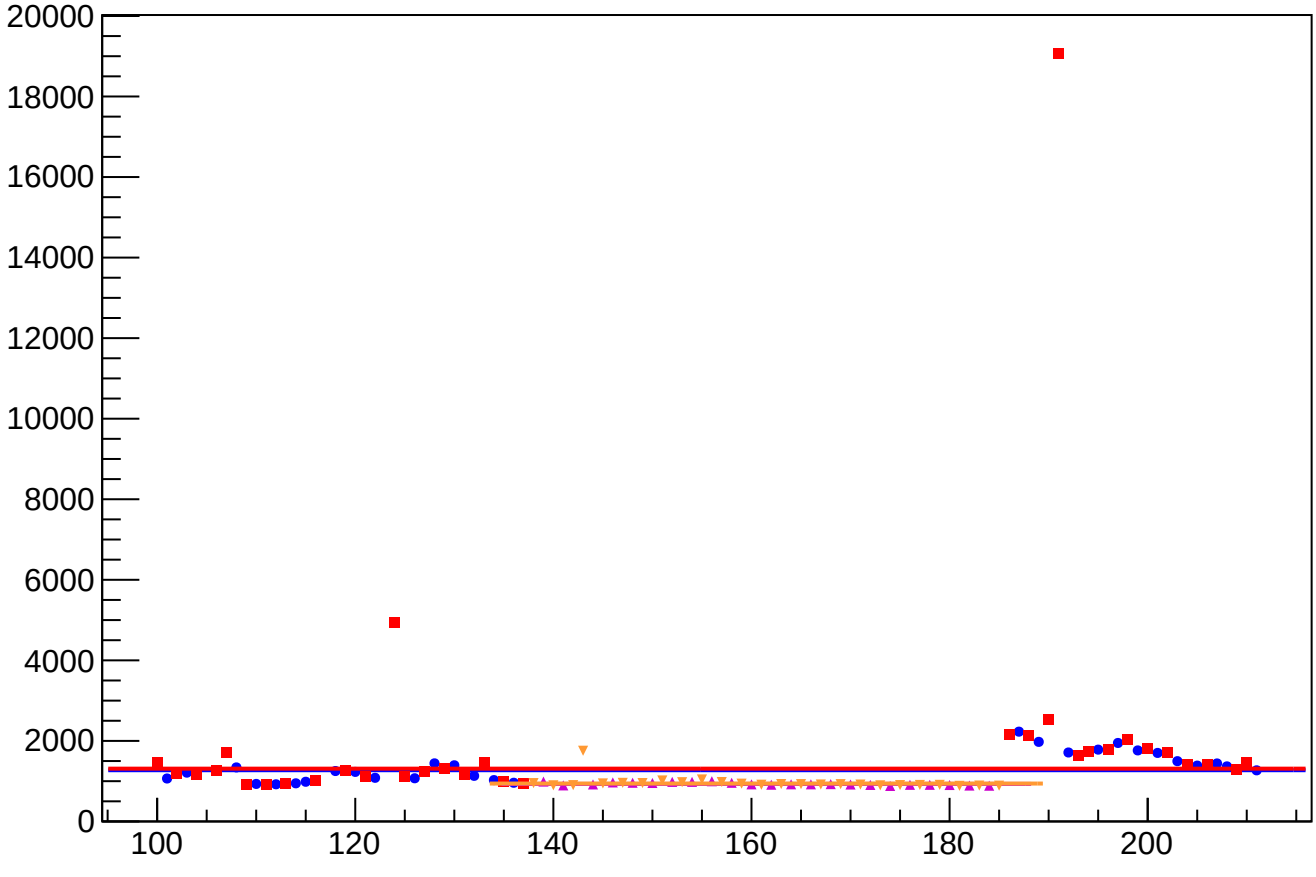
Right: -165.768+/-226.839 χ^2/NDF: 55.7/60

In: -37.498+/-180.097 χ^2/NDF:53.8/50

Out: -64.535+/-178.608 χ^2/NDF:60.5/57

All: -51.129+/-126.818 χ^2/NDF: 114.3/108

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1272.280+/-0.227 χ^2/NDF: 1667991.9/27

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1311.027+/-0.227 χ^2/NDF: 2652879.0/32

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

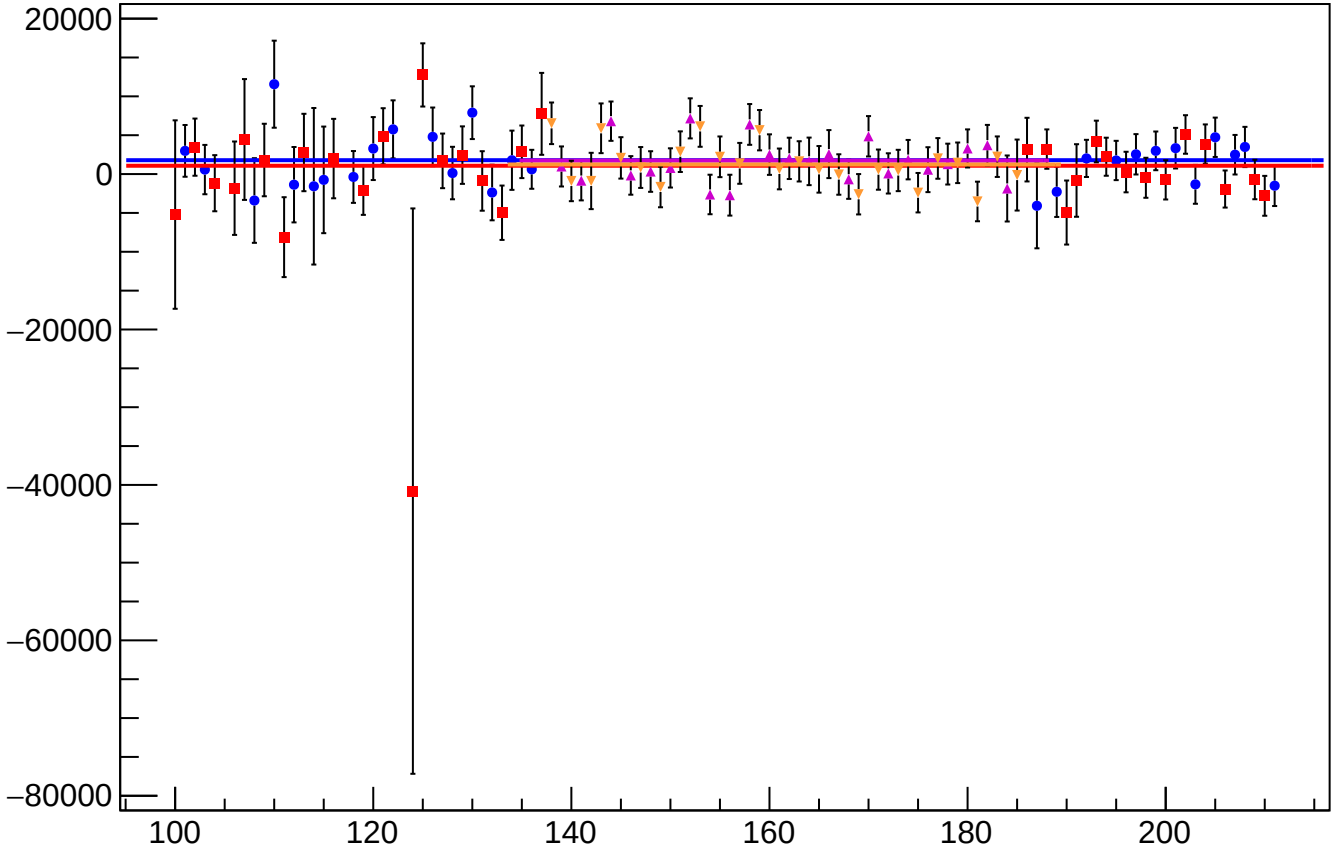
Right: 1291.632+/-0.160 χ^2/NDF: 4335459.8/60

In: 1039.067+/-0.127 χ^2/NDF:3262860.5/50

Out: 1055.583+/-0.126 χ^2/NDF:4905416.1/57

All: 1047.394+/-0.090 χ^2/NDF: 8176756.7/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1784.281+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1071.173+/-585.890 χ^2/NDF: 35.9/32

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

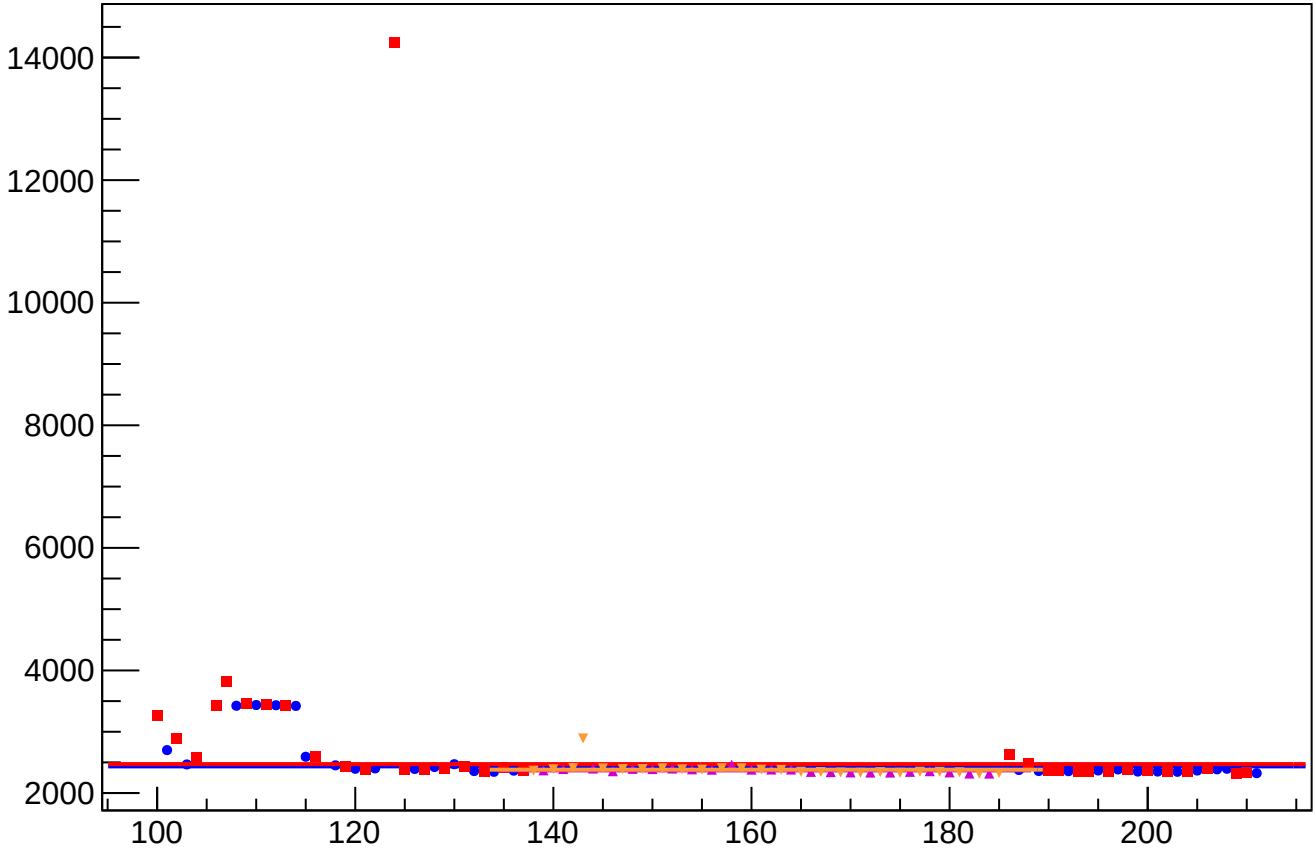
Right: 1419.669+/-418.942 χ^2/NDF: 57.3/60

In: 1761.309+/-406.510 χ^2/NDF:45.1/50

Out: 1159.412+/-397.583 χ^2/NDF:59.8/57

All: 1453.679+/-284.237 χ^2/NDF: 106.0/108

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.236+/-0.414 χ^2/NDF: 646651.3/32

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

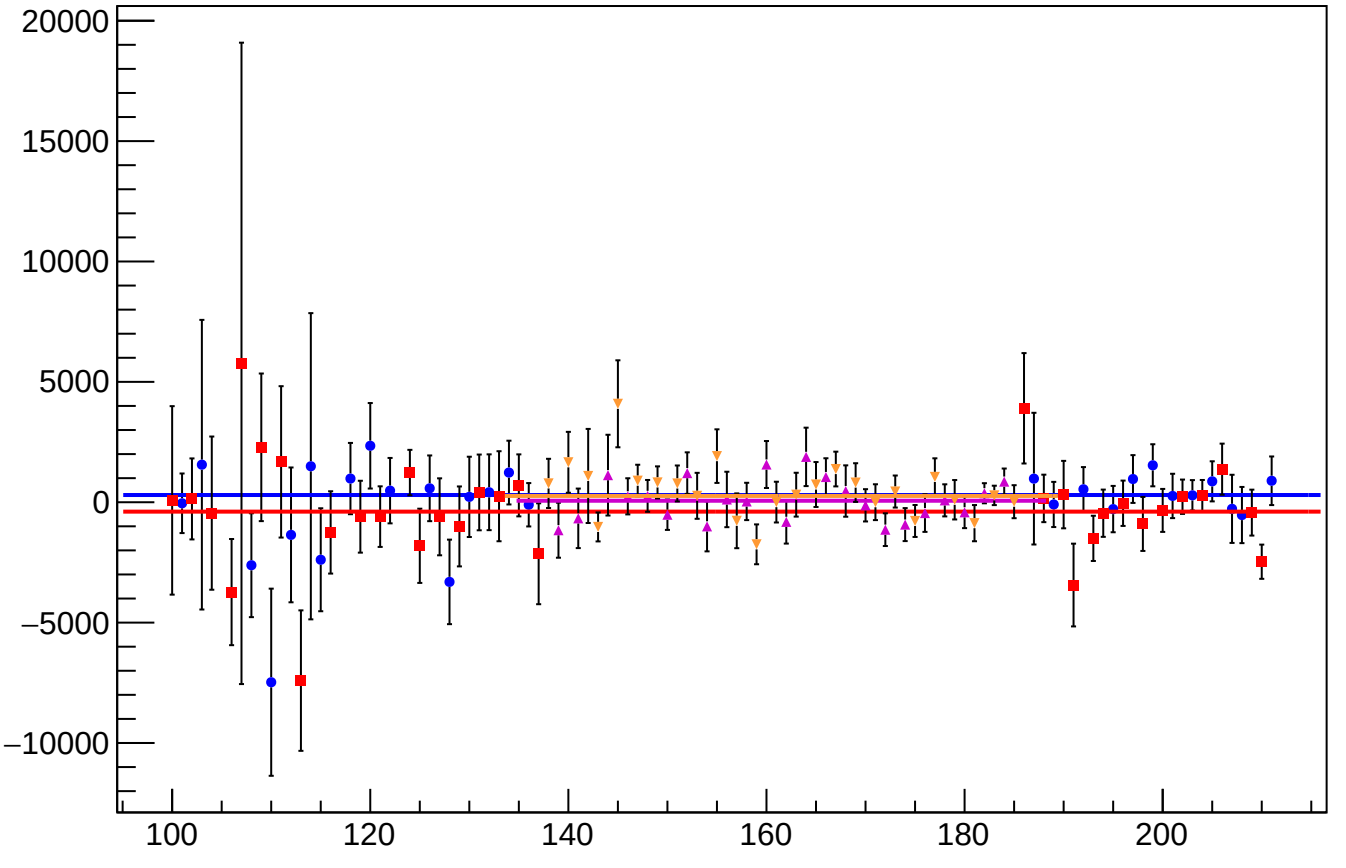
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2453.976+/-0.296 χ^2/NDF: 921342.0/60

In: 2399.517+/-0.287 χ^2/NDF:290642.9/50

Out: 2423.141+/-0.281 χ^2/NDF:730305.0/57

All: 2411.591+/-0.201 χ^2/NDF: 1024400.1/10



Right In: 300.078+/-227.788 χ^2/NDF: 19.0/27

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -390.057+/-213.162 χ^2/NDF: 37.8/32

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

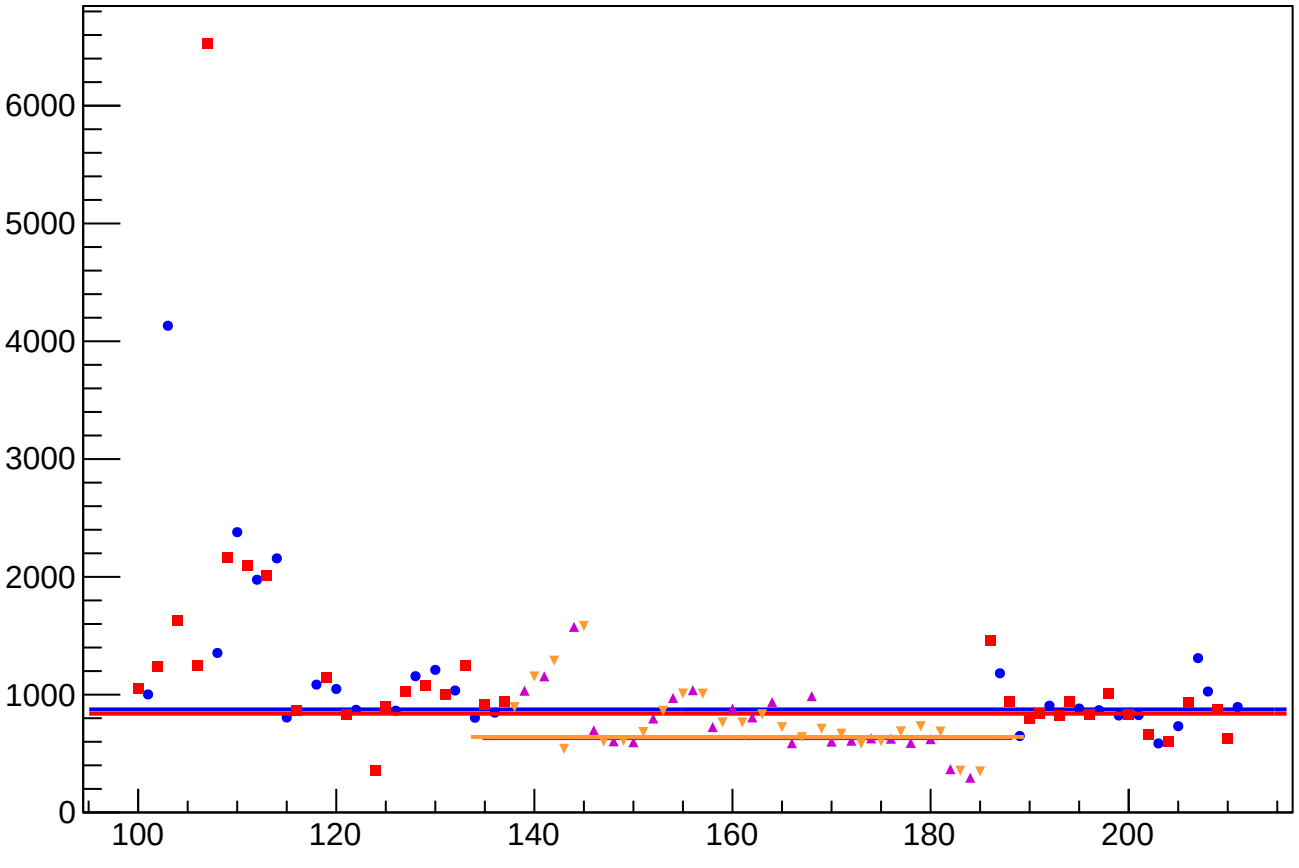
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -67.856+/-155.642 χ^2/NDF: 61.7/60

In: 138.908+/-129.489 χ^2/NDF:41.8/50

Out: 38.282+/-124.836 χ^2/NDF:75.0/57

All: 86.754+/-89.872 χ^2/NDF: 117.1/108



Right In: 874.620+/-0.161 χ^2/NDF: 2476627.3/27

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 838.519+/-0.151 χ^2/NDF: 3323412.3/32

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

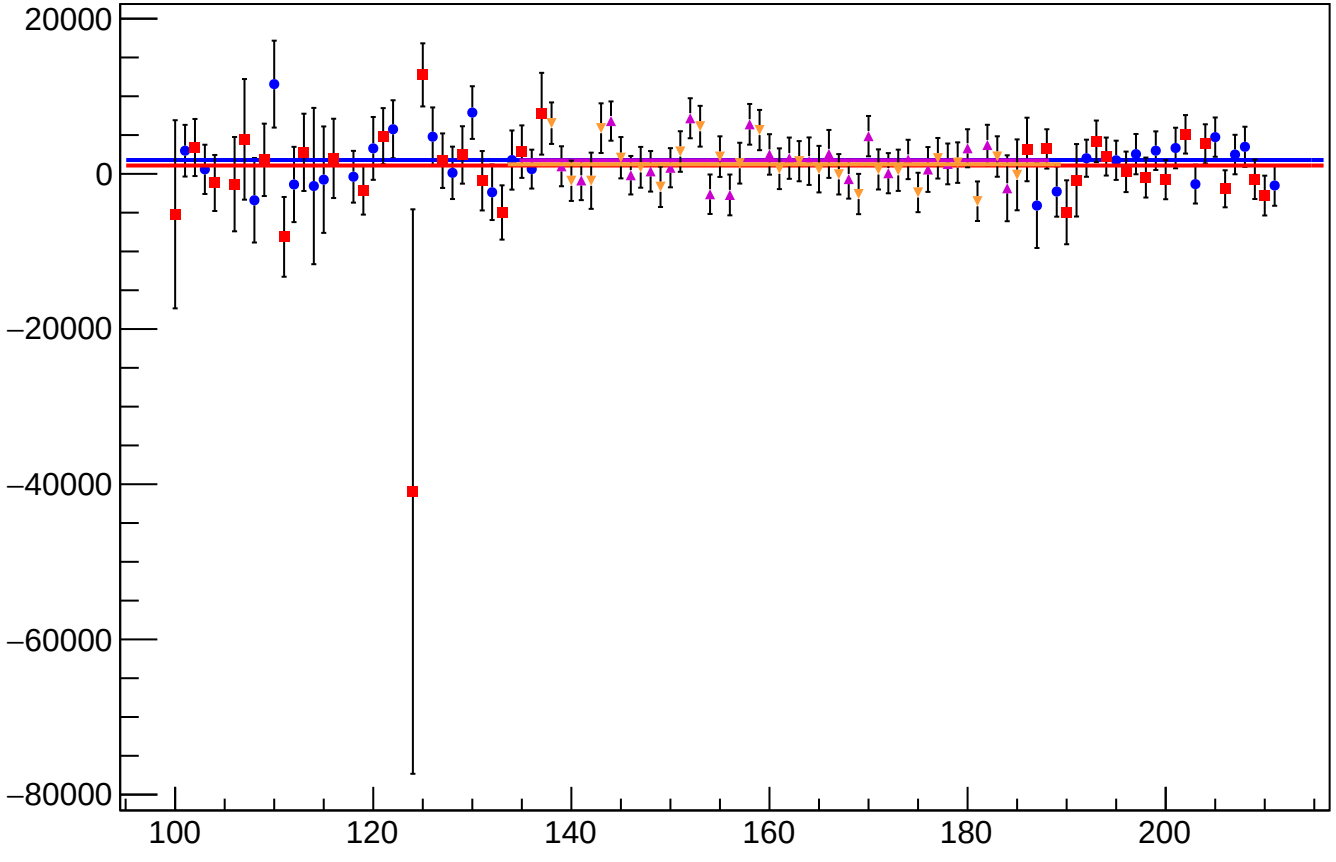
Right: 855.373+/-0.110 χ^2/NDF: 5826822.2/60

In: 709.860+/-0.092 χ^2/NDF:7997953.3/50

Out: 708.846+/-0.088 χ^2/NDF:7924752.3/57

All: 709.335+/-0.064 χ^2/NDF: 15922769.2/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1784.560+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1074.545+/-585.953 χ^2/NDF: 35.8/32

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

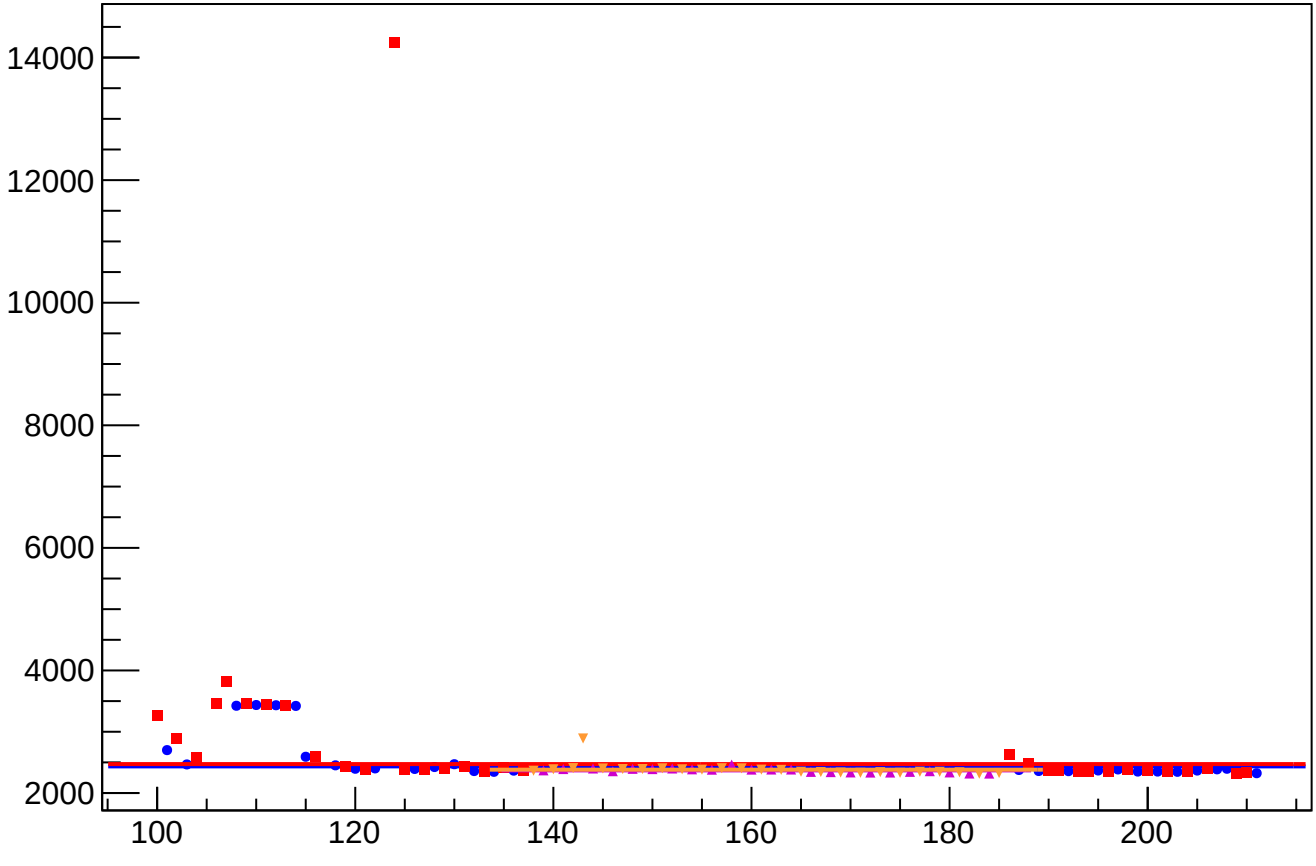
Right: 1421.567+/-418.965 χ^2/NDF: 57.2/60

In: 1761.466+/-406.510 χ^2/NDF:45.1/50

Out: 1160.961+/-397.603 χ^2/NDF:59.7/57

All: 1454.563+/-284.244 χ^2/NDF: 105.9/108

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.395+/-0.414 χ^2/NDF: 649592.9/32

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

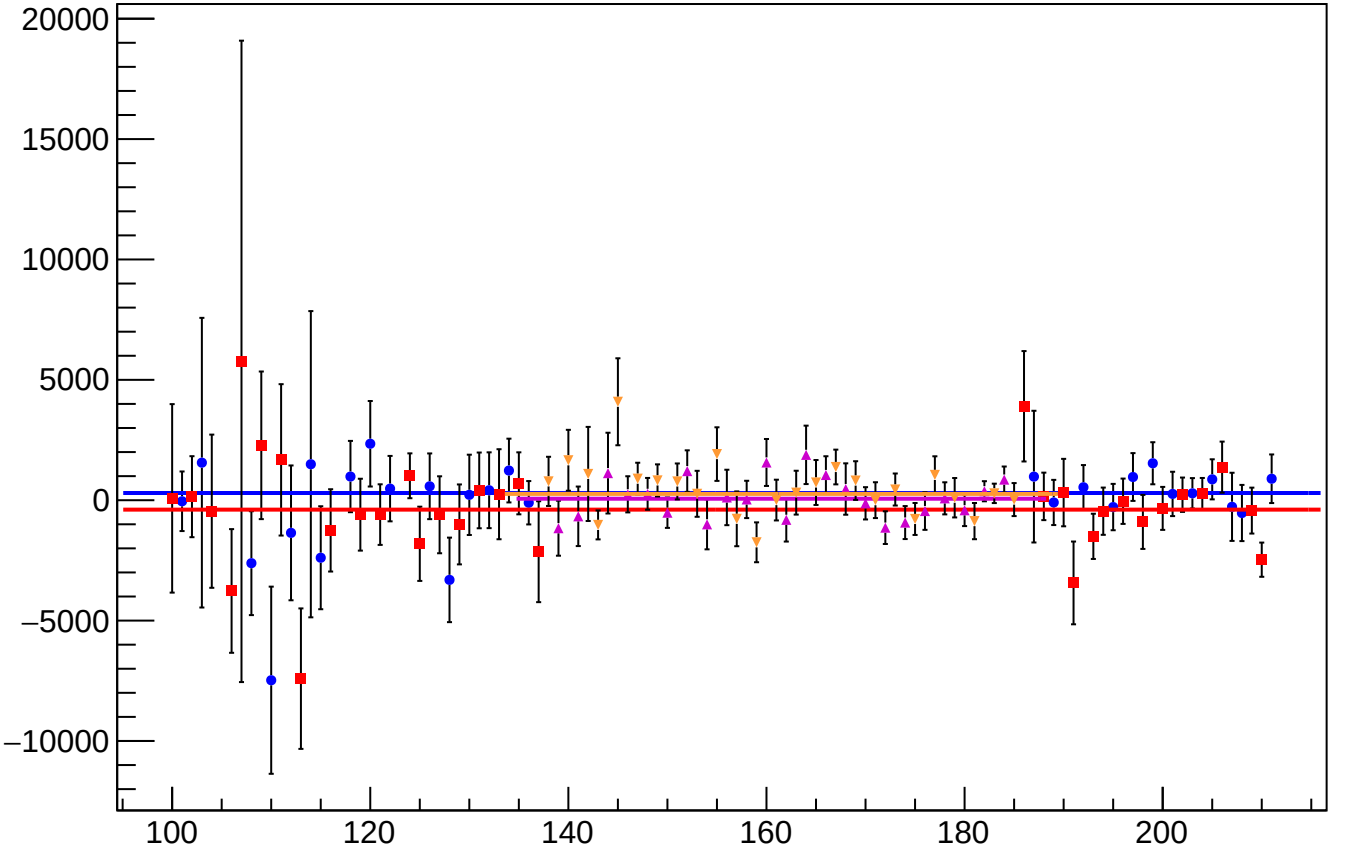
Right: 2454.055+/-0.296 χ^2/NDF: 924317.2/60

In: 2399.517+/-0.287 χ^2/NDF:290642.9/50

Out: 2423.209+/-0.281 χ^2/NDF:733334.7/57

All: 2411.625+/-0.201 χ^2/NDF: 1027449.8/10

asym_atl1_cor_correction_mean vs Slug, Sign Corrected



Right In: 300.002+/-227.788 χ^2/NDF: 19.0/27

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -390.989+/-213.279 χ^2/NDF: 36.5/32

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

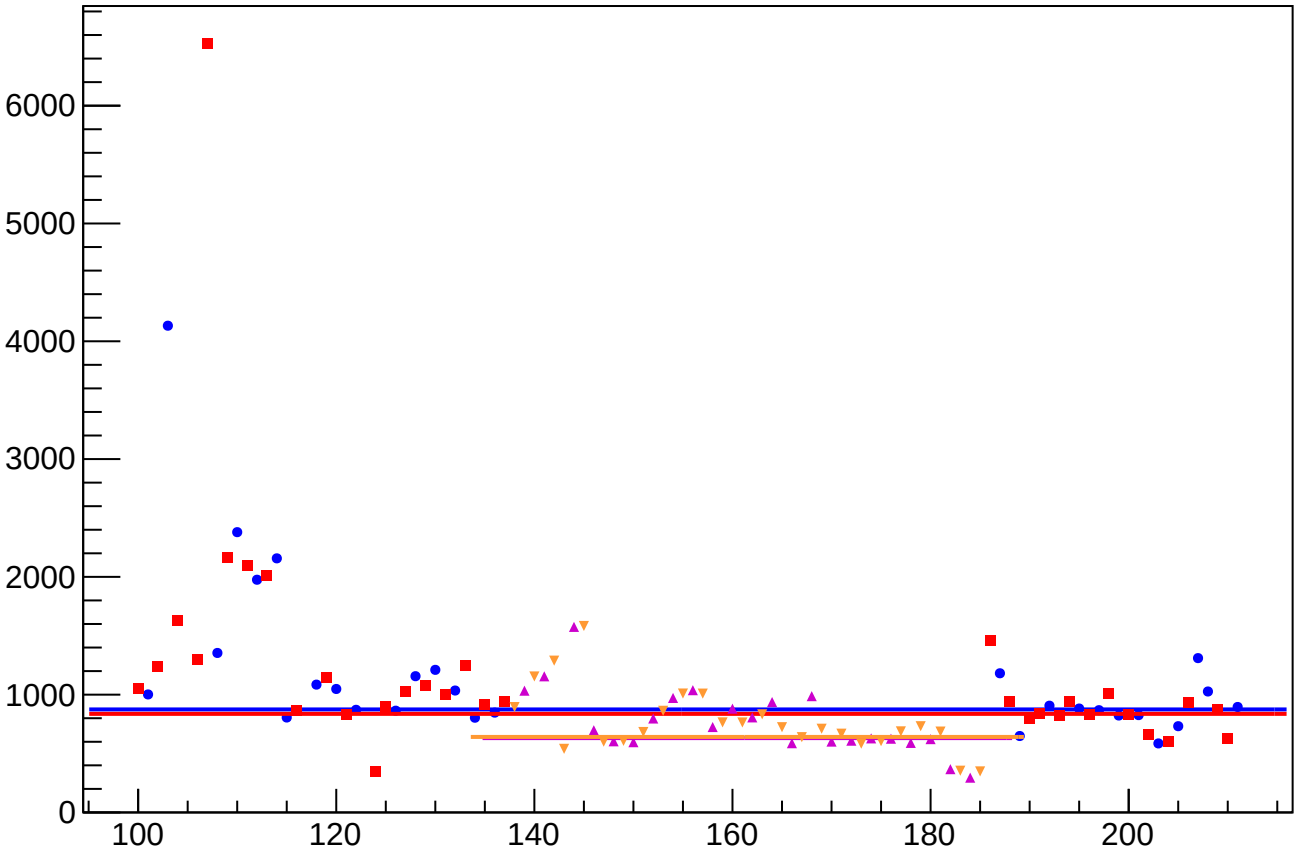
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -68.199+/-155.688 χ^2/NDF: 60.4/60

In: 138.894+/-129.489 χ^2/NDF:41.8/50

Out: 38.306+/-124.860 χ^2/NDF:73.8/57

All: 86.770+/-89.881 χ^2/NDF: 115.9/108



Right In: 874.619+/-0.161 χ^2/NDF: 2476636.4/27

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 836.942+/-0.151 χ^2/NDF: 3342126.1/32

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

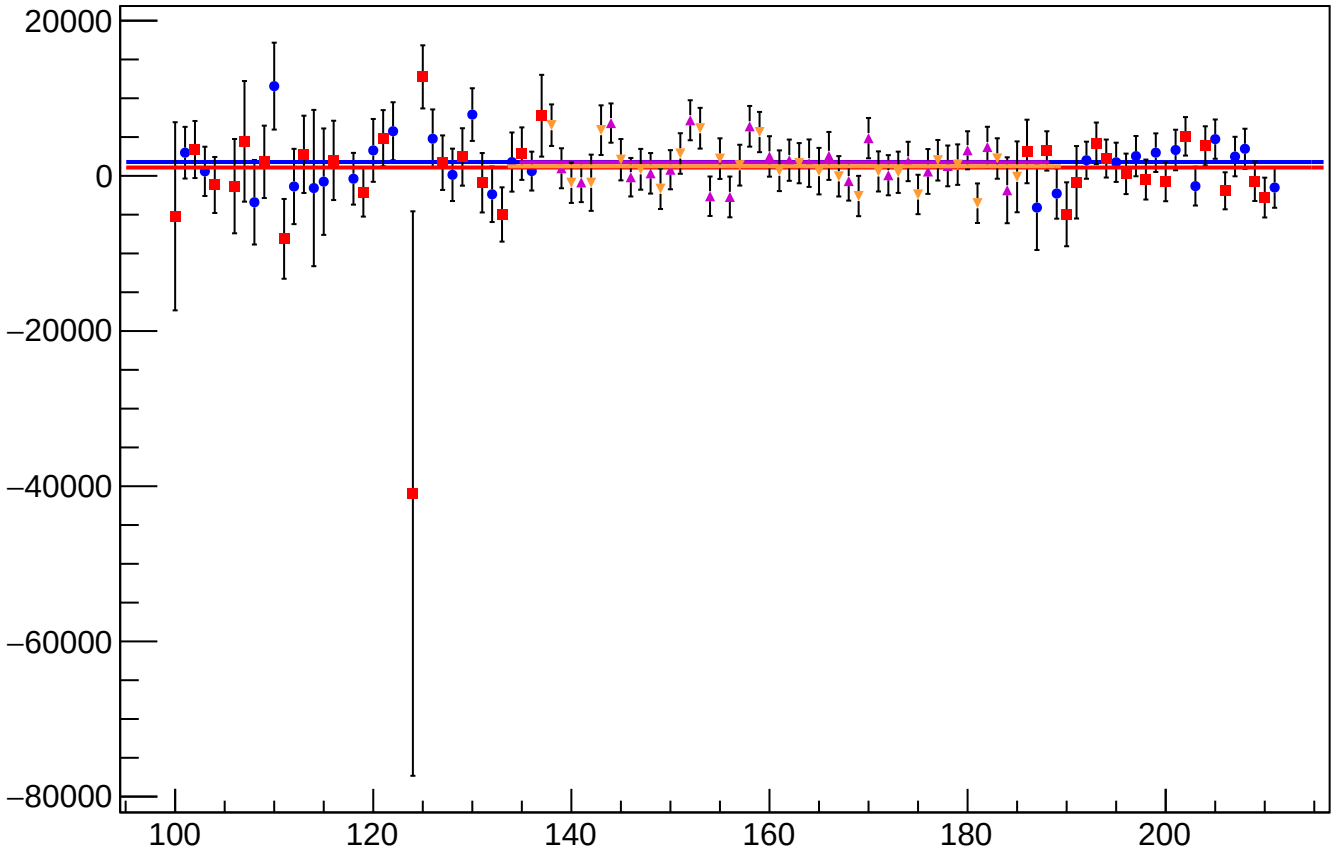
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 854.542+/-0.110 χ^2/NDF: 5847918.8/60

In: 709.858+/-0.092 χ^2/NDF:7998106.0/50

Out: 708.267+/-0.088 χ^2/NDF:7924307.9/57

All: 709.033+/-0.064 χ^2/NDF: 15922570.4/10



Right In: 1784.560+/-599.284 χ^2/NDF: 20.7/27

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1074.545+/-585.953 χ^2/NDF: 35.8/32

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

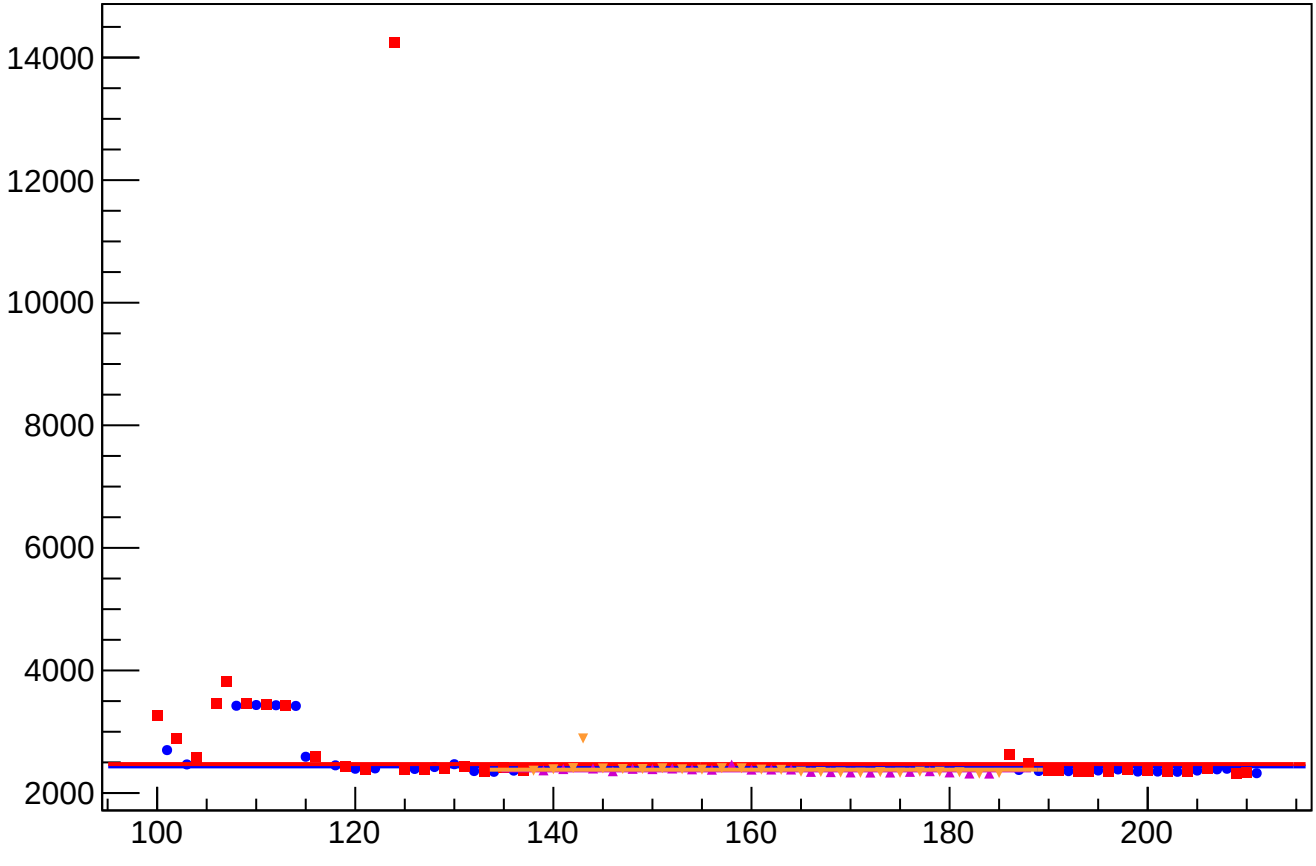
Right: 1421.567+/-418.965 χ^2/NDF: 57.2/60

In: 1761.466+/-406.510 χ^2/NDF:45.1/50

Out: 1160.961+/-397.603 χ^2/NDF:59.7/57

All: 1454.563+/-284.244 χ^2/NDF: 105.9/108

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.871+/-0.424 χ^2/NDF: 270715.5/27

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2472.395+/-0.414 χ^2/NDF: 649592.9/32

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

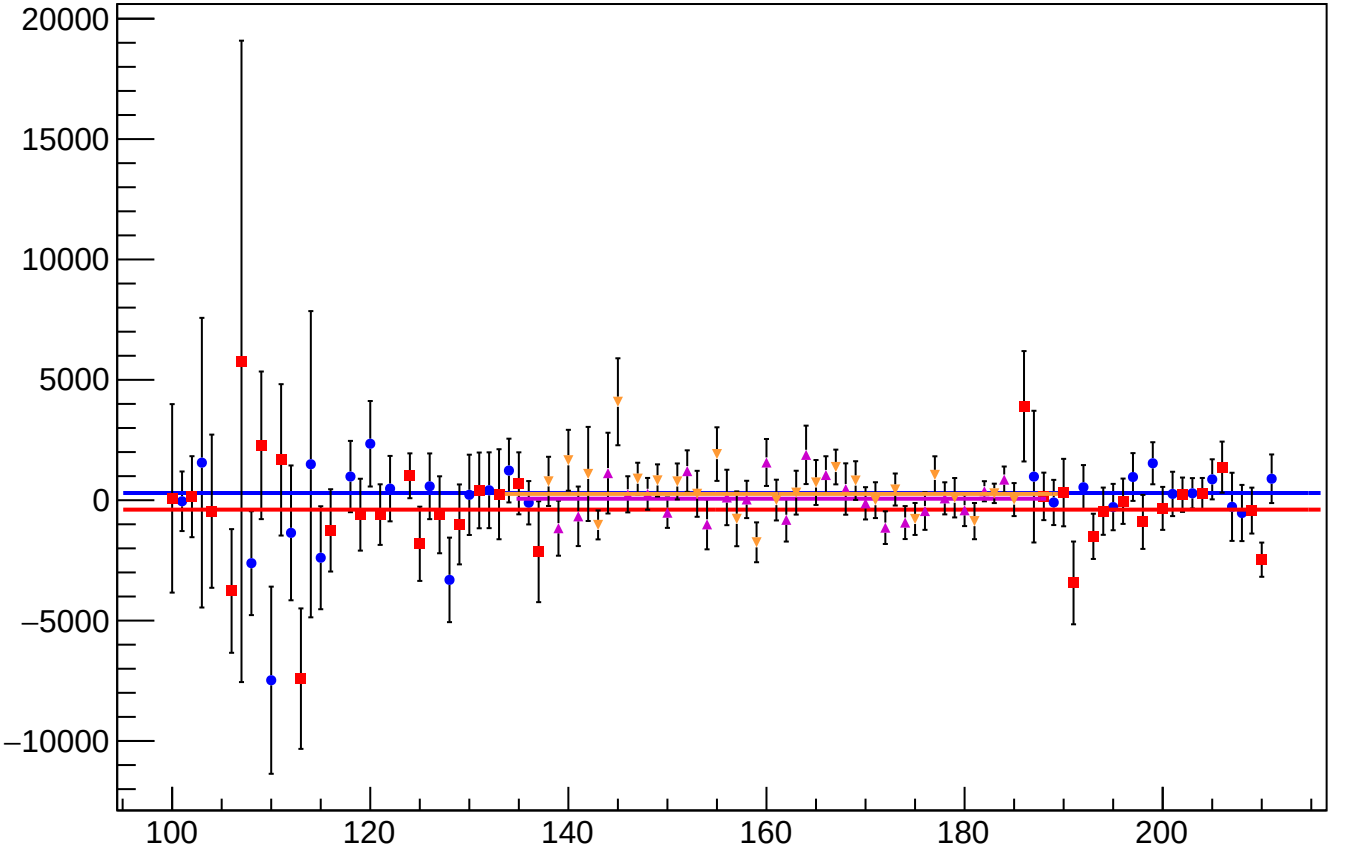
Right: 2454.055+/-0.296 χ^2/NDF: 924317.2/60

In: 2399.517+/-0.287 χ^2/NDF:290642.9/50

Out: 2423.209+/-0.281 χ^2/NDF:733334.7/57

All: 2411.625+/-0.201 χ^2/NDF: 1027449.8/10

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 300.002+/-227.788 χ^2/NDF: 19.0/27

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -390.989+/-213.279 χ^2/NDF: 36.5/32

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

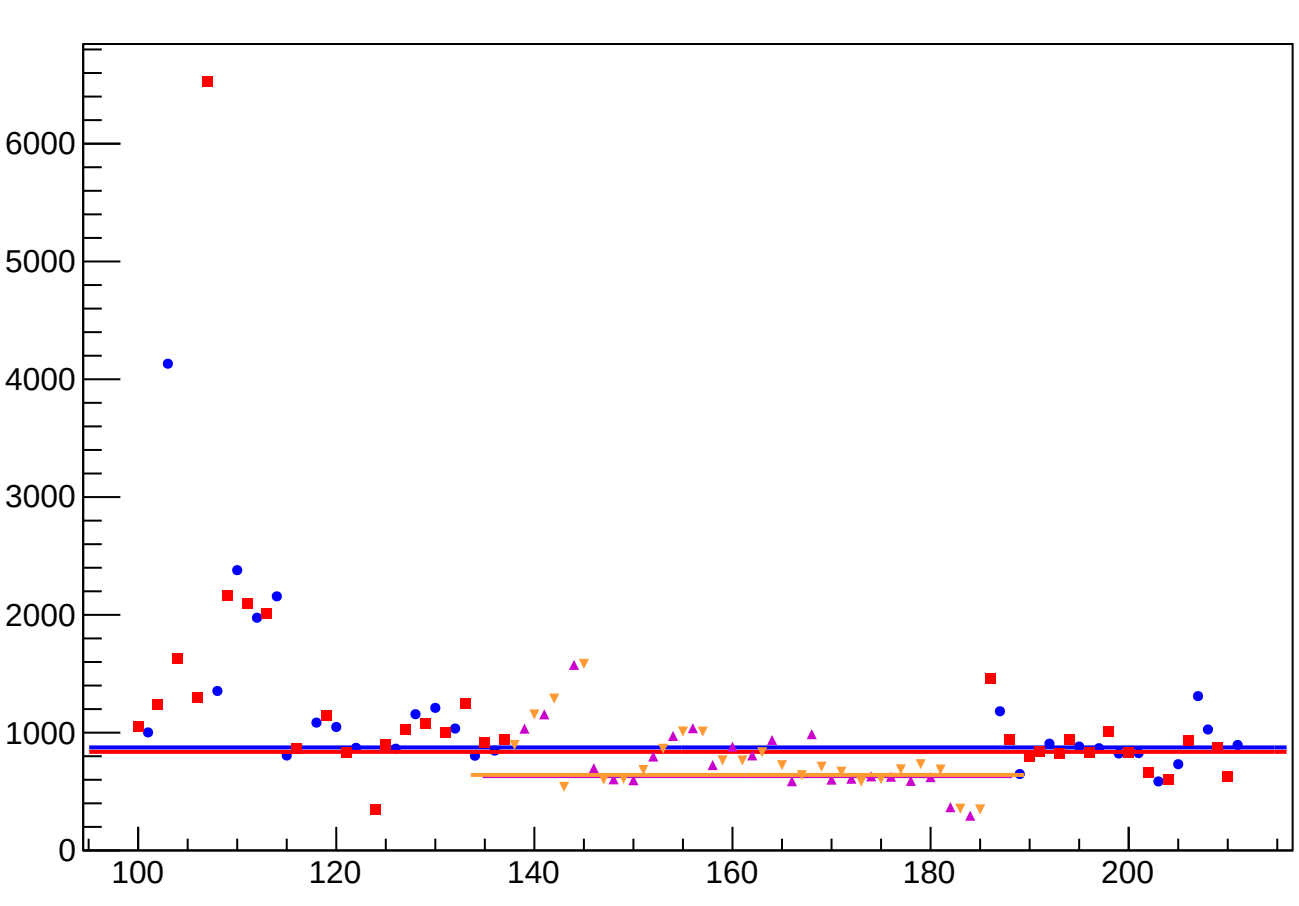
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -68.199+/-155.688 χ^2/NDF: 60.4/60

In: 138.894+/-129.489 χ^2/NDF:41.8/50

Out: 38.306+/-124.860 χ^2/NDF:73.8/57

All: 86.770+/-89.881 χ^2/NDF: 115.9/108



Right In: 874.619+/-0.161 χ^2/NDF: 2476636.4/27

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 836.942+/-0.151 χ^2/NDF: 3342126.1/32

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

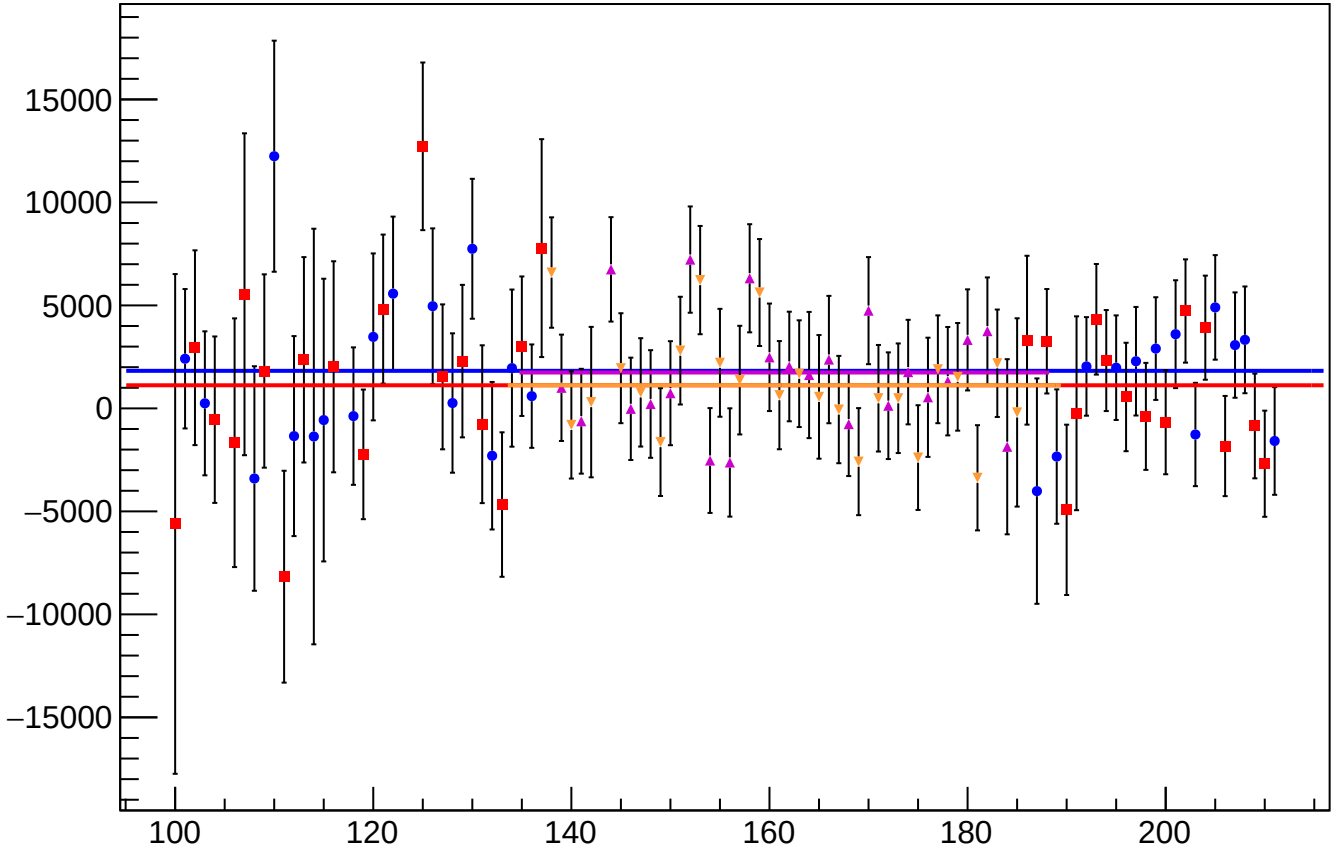
Right: 854.542+/-0.110 χ^2/NDF: 5847918.8/60

In: 709.858+/-0.092 χ^2/NDF:7998106.0/50

Out: 708.267+/-0.088 χ^2/NDF:7924307.9/57

All: 709.033+/-0.064 χ^2/NDF: 15922570.4/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1823.710+/-602.991 χ^2/NDF: 21.1/27

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1122.280+/-592.878 χ^2/NDF: 33.2/31

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

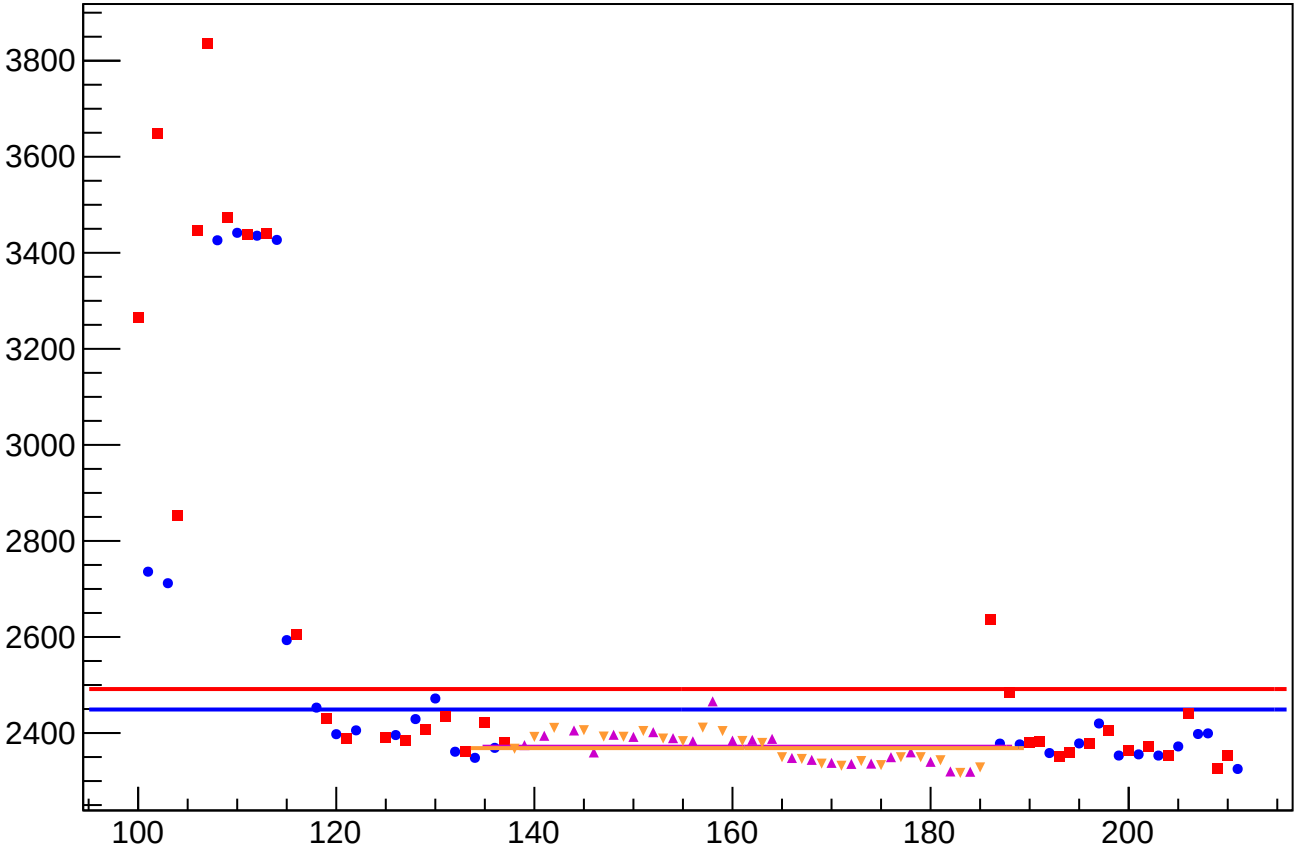
Right: 1467.063+/-422.758 χ^2/NDF: 54.9/59

In: 1779.548+/-407.861 χ^2/NDF:44.9/50

Out: 1124.044+/-403.151 χ^2/NDF:54.4/55

All: 1447.989+/-286.721 χ^2/NDF: 100.5/106

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2448.970+/-0.426 χ^2/NDF: 282947.6/27

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2491.573+/-0.419 χ^2/NDF: 546381.0/31

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

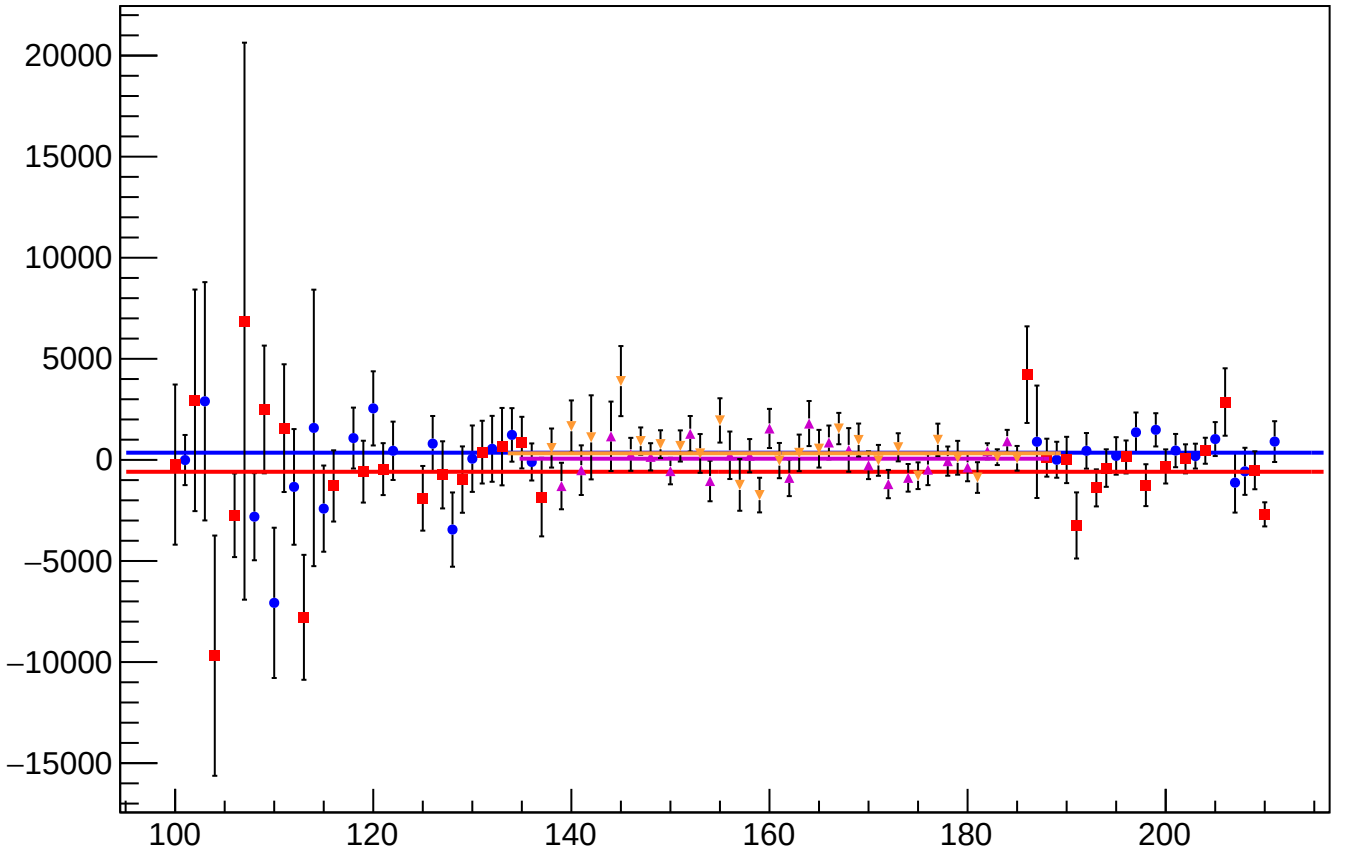
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2470.632+/-0.299 χ^2/NDF: 834404.6/59

In: 2406.953+/-0.288 χ^2/NDF:307901.6/50

Out: 2425.444+/-0.285 χ^2/NDF:598233.7/55

All: 2416.306+/-0.203 χ^2/NDF: 908214.5/106



Right In: 356.517+/-223.835 χ^2/NDF: 21.1/27

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -587.793+/-213.139 χ^2/NDF: 44.2/31

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

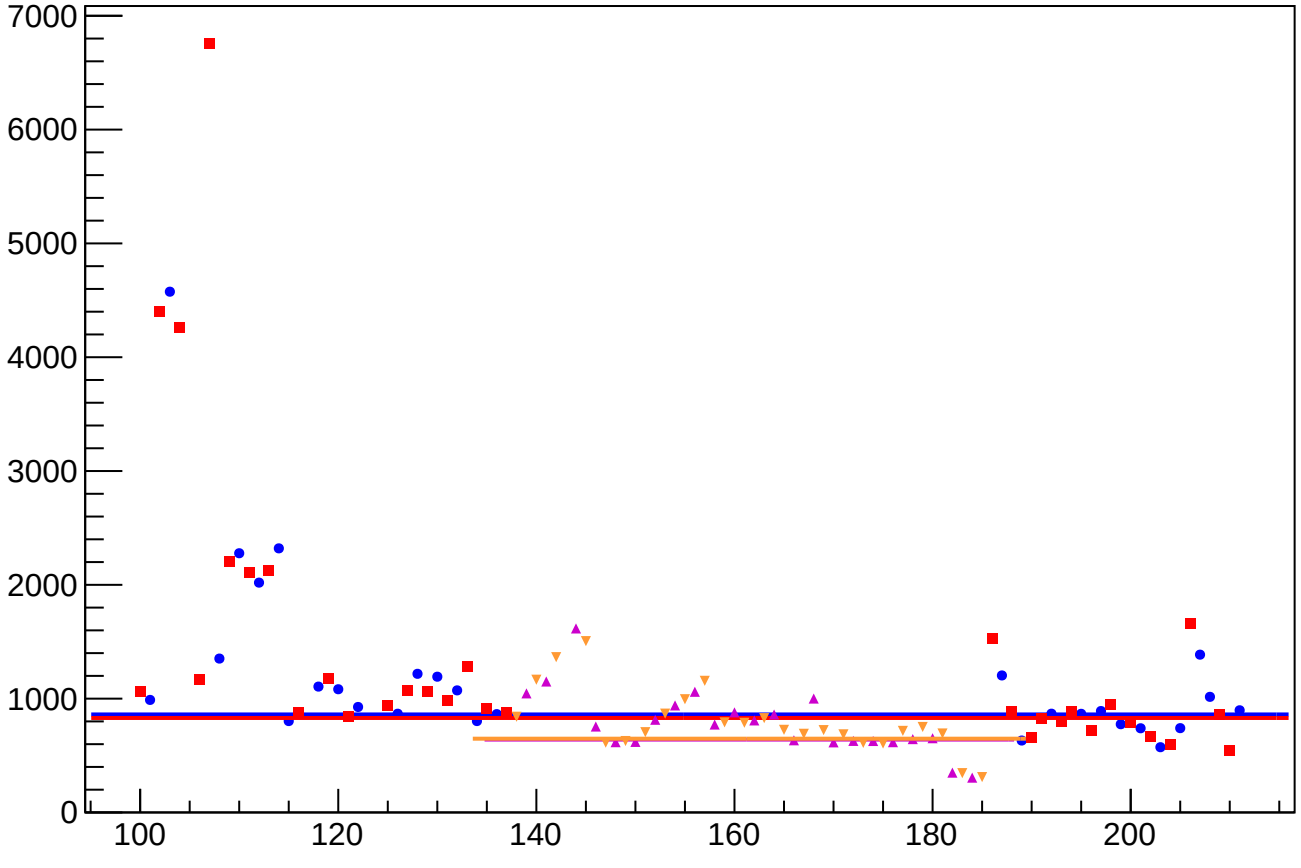
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -138.740+/-154.355 χ^2/NDF: 74.6/59

In: 159.745+/-129.987 χ^2/NDF:45.0/50

Out: -3.488+/-127.979 χ^2/NDF:82.7/55

All: 76.858+/-91.196 χ^2/NDF: 128.5/106



Right In: 861.125+/-0.158 χ^2/NDF: 2909716.9/27

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 830.224+/-0.151 χ^2/NDF: 4984040.0/31

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

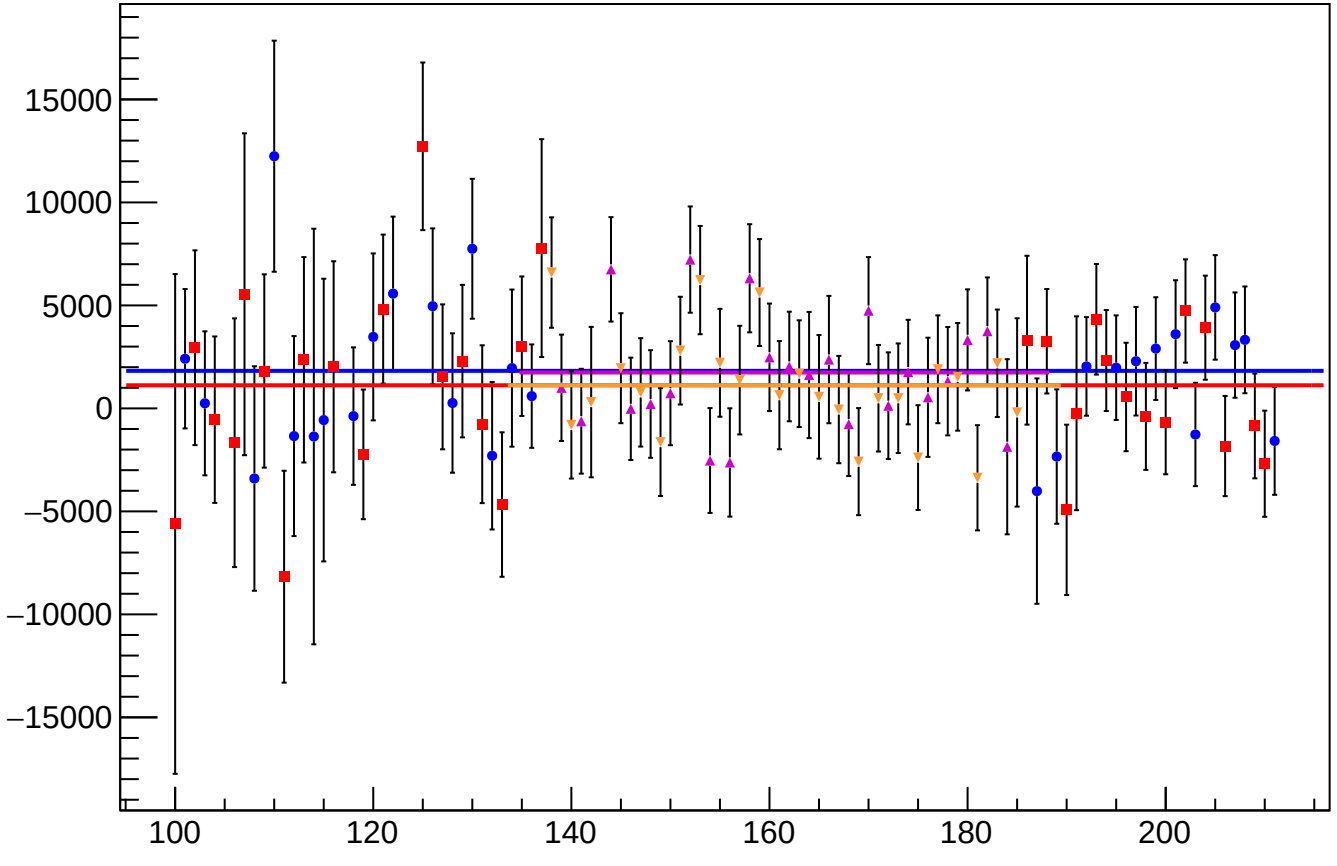
Right: 844.919+/-0.109 χ^2/NDF: 7913747.4/59

In: 714.852+/-0.092 χ^2/NDF:8327153.0/50

Out: 713.763+/-0.090 χ^2/NDF:9804828.9/55

All: 714.299+/-0.064 χ^2/NDF: 18132053.1/10

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1823.707+/-602.991 χ^2/NDF: 21.1/27

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1122.280+/-592.878 χ^2/NDF: 33.2/31

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

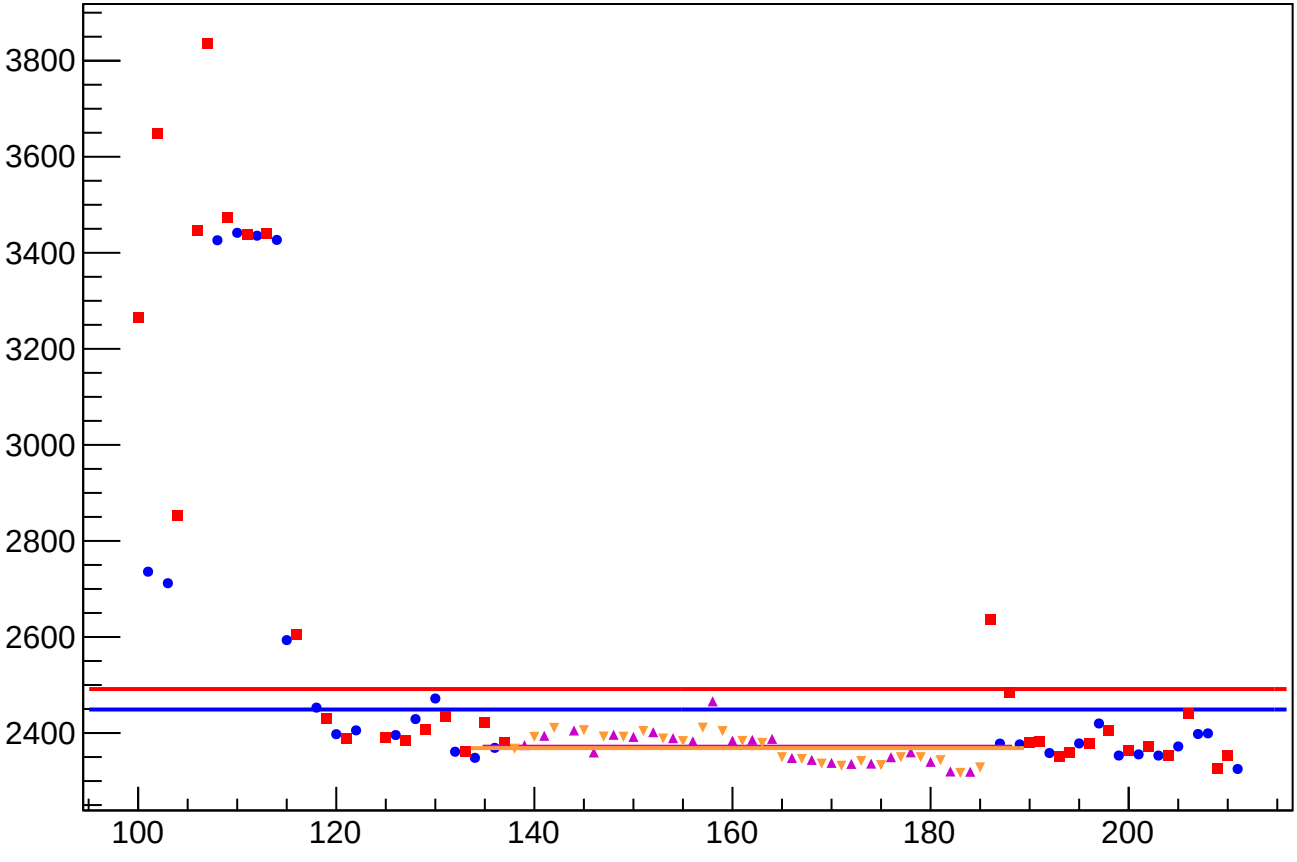
Right: 1467.062+/-422.758 χ^2/NDF: 54.9/59

In: 1779.547+/-407.861 χ^2/NDF:44.9/50

Out: 1124.045+/-403.151 χ^2/NDF:54.4/55

All: 1447.989+/-286.721 χ^2/NDF: 100.5/106

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2448.970+/-0.426 χ^2/NDF: 282947.1/27

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2491.573+/-0.419 χ^2/NDF: 546380.0/31

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

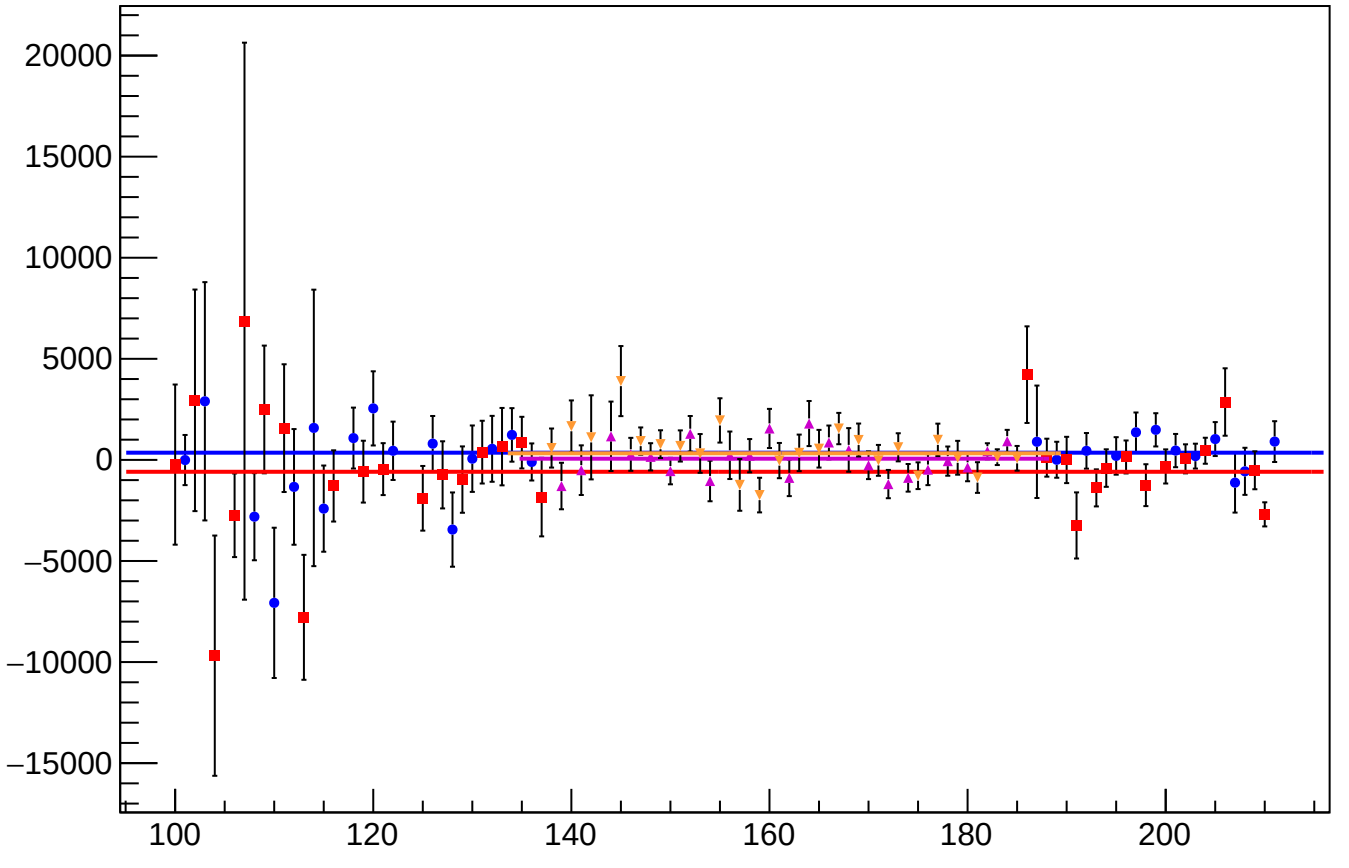
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2470.632+/-0.299 χ^2/NDF: 834403.2/59

In: 2406.953+/-0.288 χ^2/NDF:307901.1/50

Out: 2425.444+/-0.285 χ^2/NDF:598232.7/55

All: 2416.306+/-0.203 χ^2/NDF: 908213.0/106



Right In: 356.516+/-223.835 χ^2/NDF: 21.1/27

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -587.794+/-213.139 χ^2/NDF: 44.2/31

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

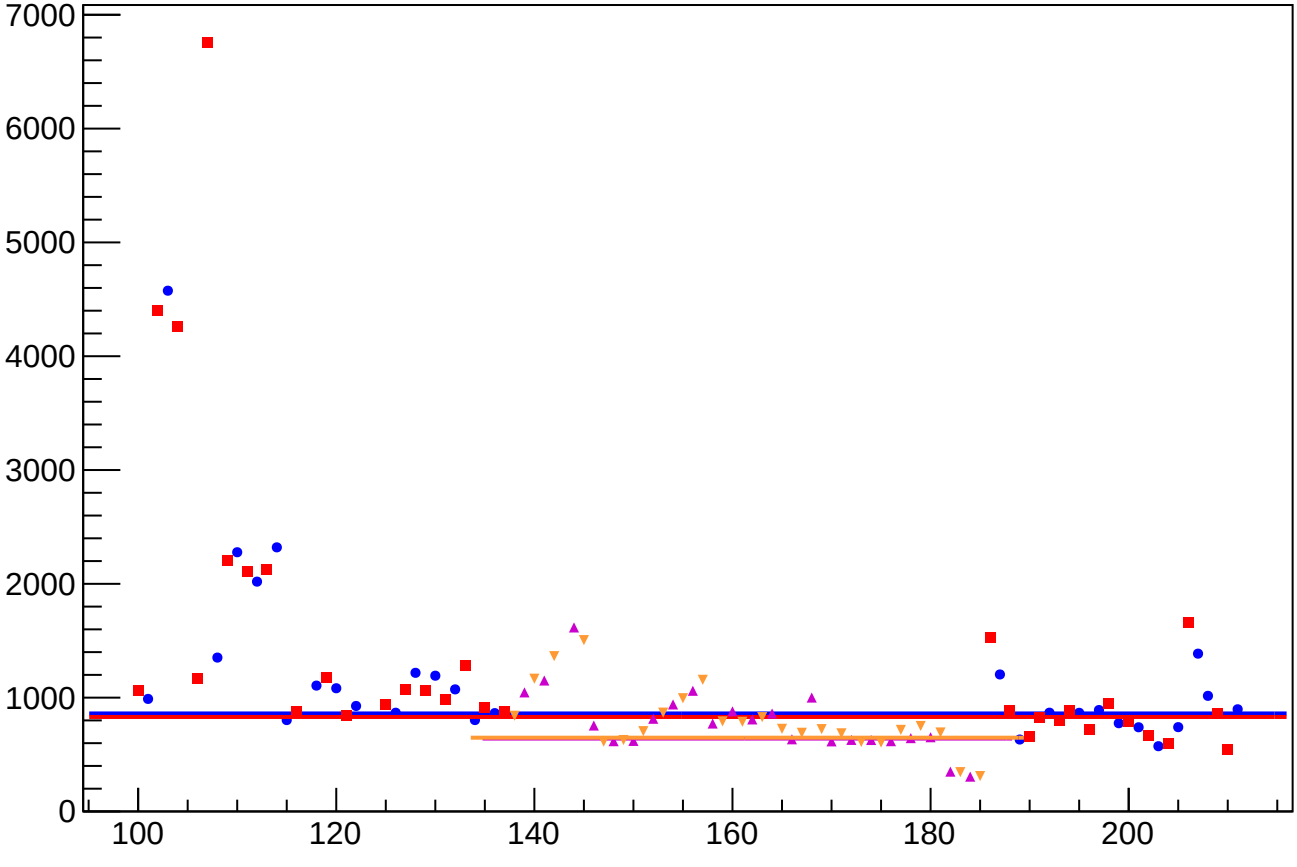
Right: -138.741+/-154.355 χ^2/NDF: 74.6/59

In: 159.745+/-129.987 χ^2/NDF:45.0/50

Out: -3.489+/-127.979 χ^2/NDF:82.7/55

All: 76.858+/-91.196 χ^2/NDF: 128.5/106

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 861.124+/-0.158 χ^2/NDF: 2909719.1/27

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 830.224+/-0.151 χ^2/NDF: 4984047.5/31

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

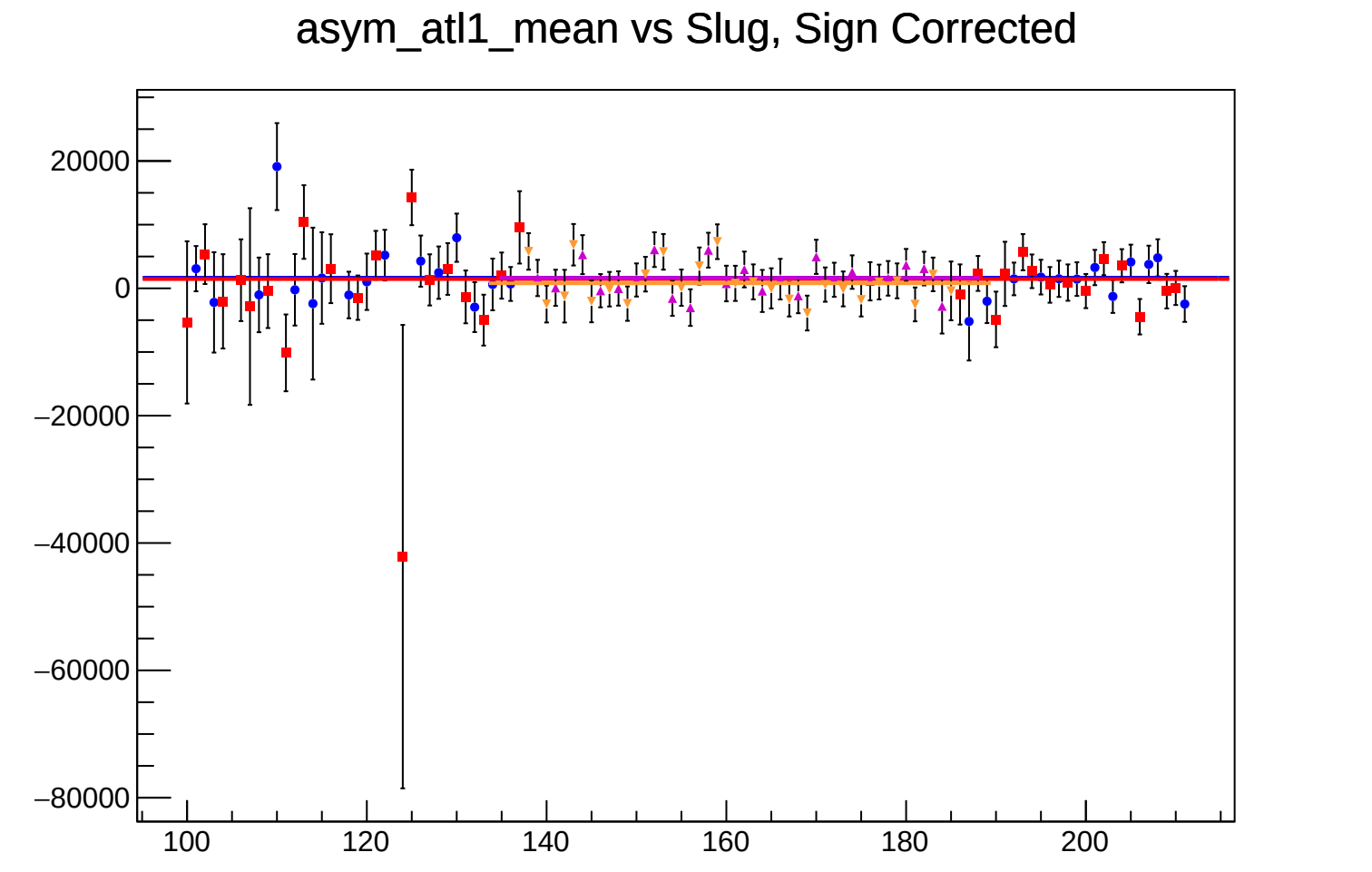
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 844.918+/-0.109 χ^2/NDF: 7913757.1/59

In: 714.853+/-0.092 χ^2/NDF:8327155.2/50

Out: 713.764+/-0.090 χ^2/NDF:9804833.1/55

All: 714.300+/-0.064 χ^2/NDF: 18132059.6/10



Right In: 1669.453+/-660.934 χ^2/NDF: 22.3/27

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1451.851+/-645.757 χ^2/NDF: 37.6/32

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

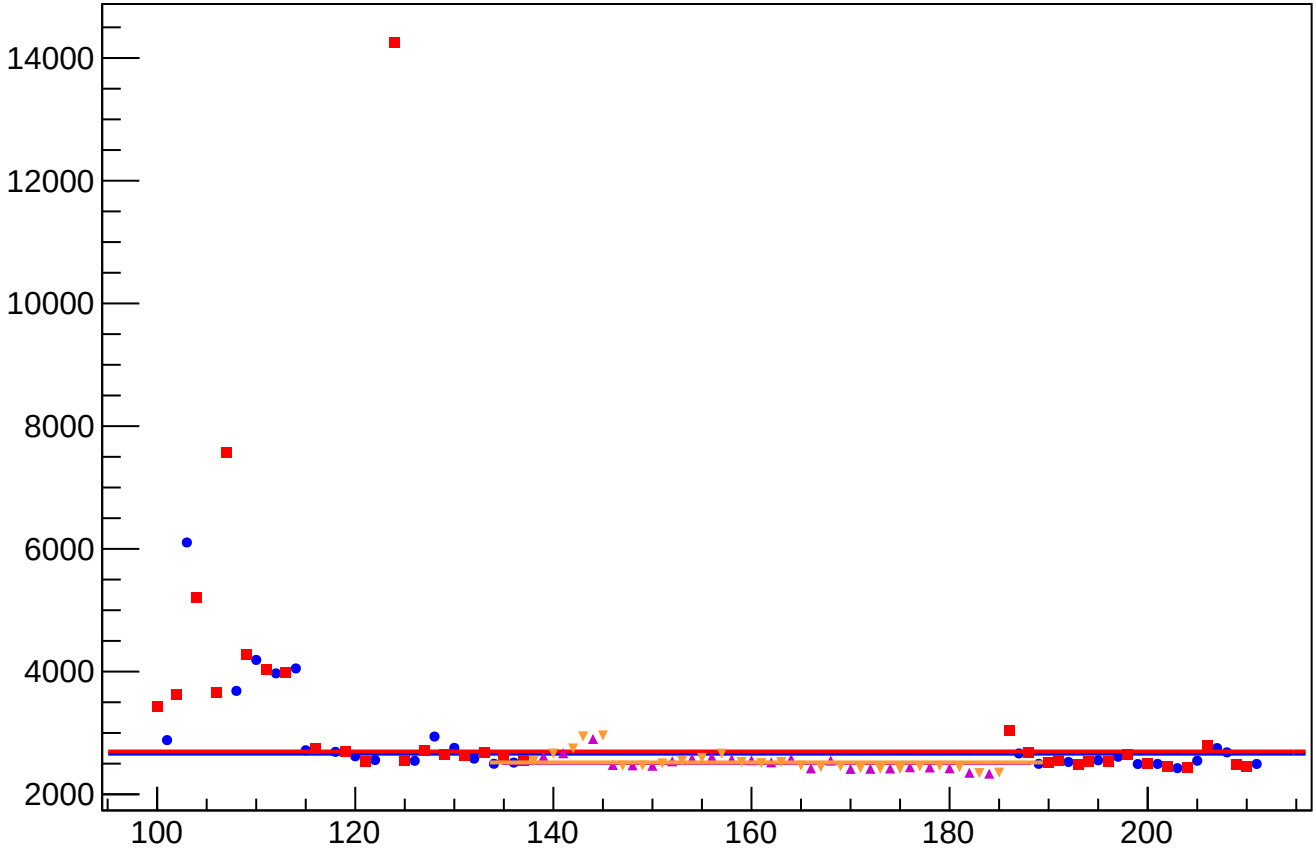
Right: 1558.125+/-461.892 χ^2/NDF: 59.9/60

In: 1661.161+/-438.796 χ^2/NDF:39.6/50

Out: 1082.510+/-428.709 χ^2/NDF:65.3/57

All: 1365.108+/-306.647 χ^2/NDF: 105.8/108

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2662.866+/-0.467 χ^2/NDF: 768862.3/27

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2697.467+/-0.457 χ^2/NDF: 1238357.4/32

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

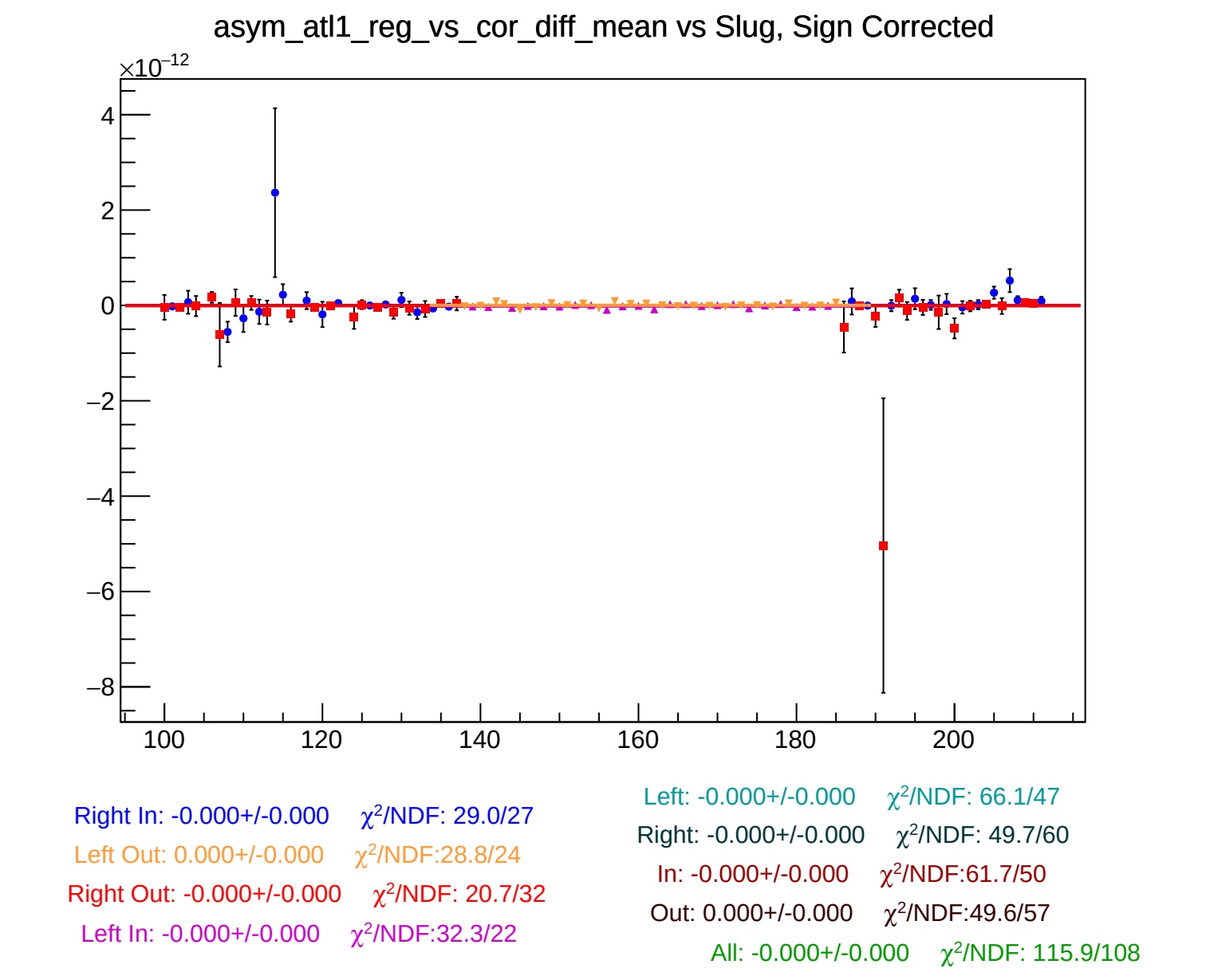
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

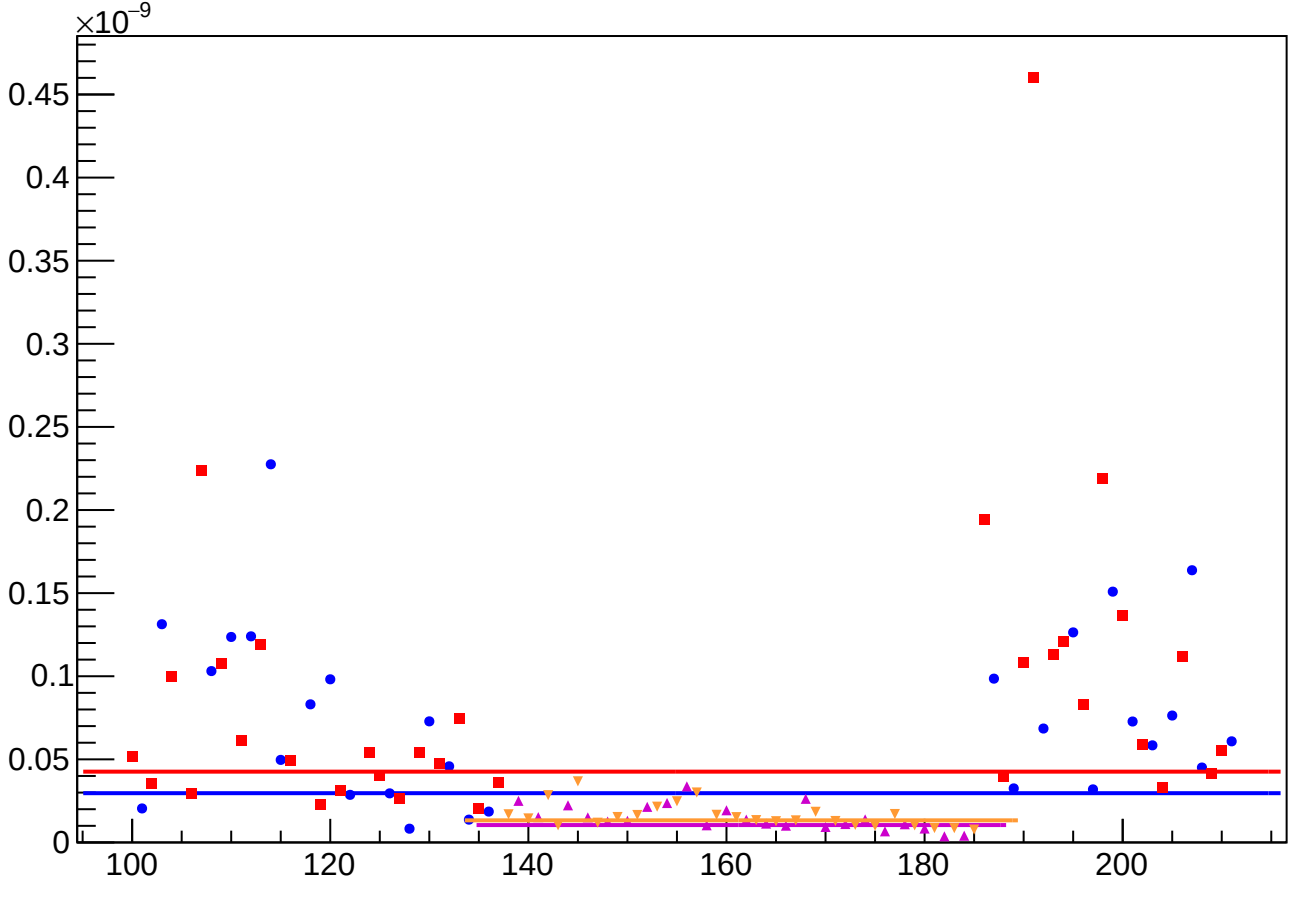
Right: 2680.568+/-0.327 χ^2/NDF: 2010024.1/60

In: 2577.465+/-0.310 χ^2/NDF:902343.1/50

Out: 2597.946+/-0.303 χ^2/NDF:1438500.1/57

All: 2587.944+/-0.217 χ^2/NDF: 2343072.4/10


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/27
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/32
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 49.7/60
In: -0.000+/-0.000 χ²/NDF:61.7/50
Out: 0.000+/-0.000 χ²/NDF:49.6/57
All: -0.000+/-0.000 χ²/NDF: 115.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 5692201.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3996546.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

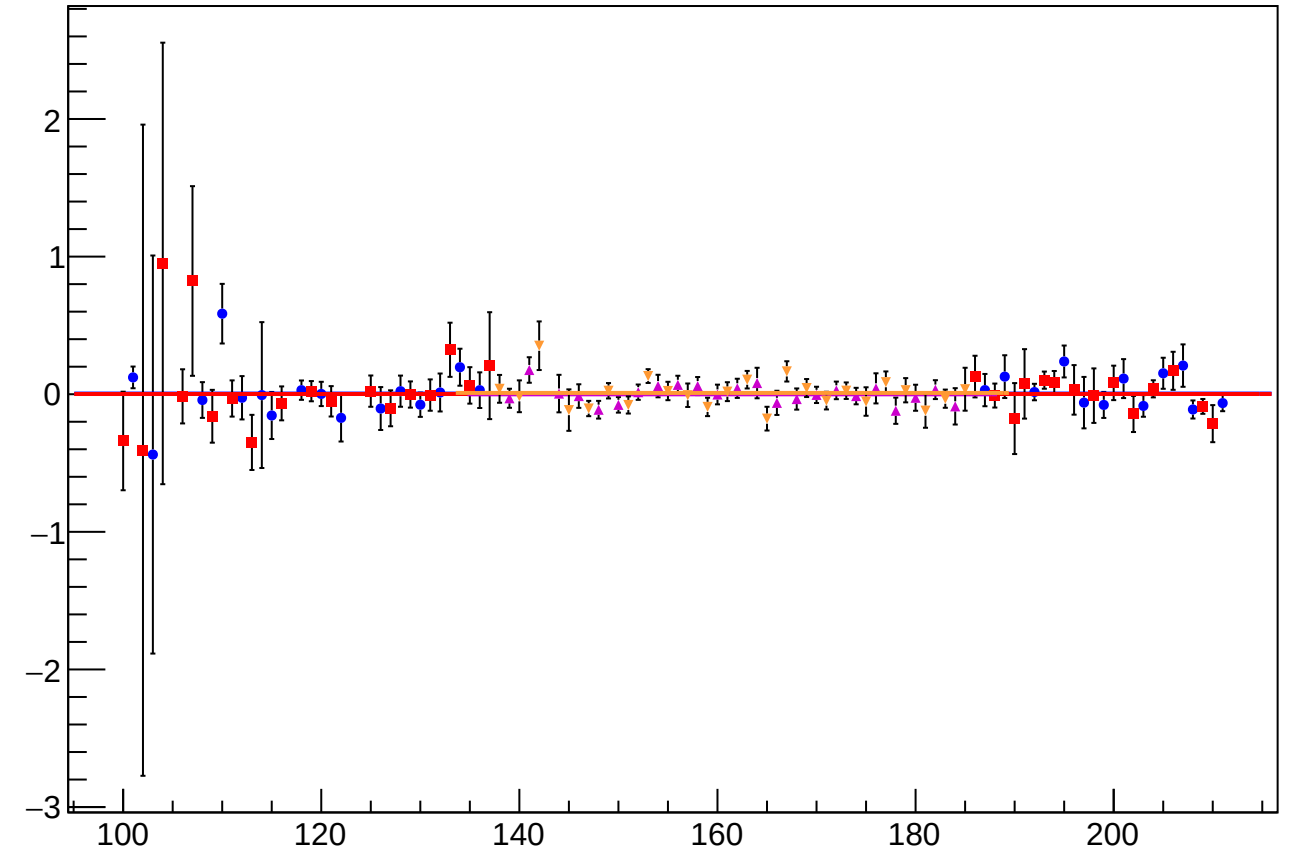
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10268569.7/60

In: 0.000+/-0.000 χ^2/NDF:11394265.0/50

Out: 0.000+/-0.000 χ^2/NDF:10046376.2/57

All: 0.000+/-0.000 χ^2/NDF: 21897446.9/108



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.002+/-0.020 χ^2/NDF: 24.8/31

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

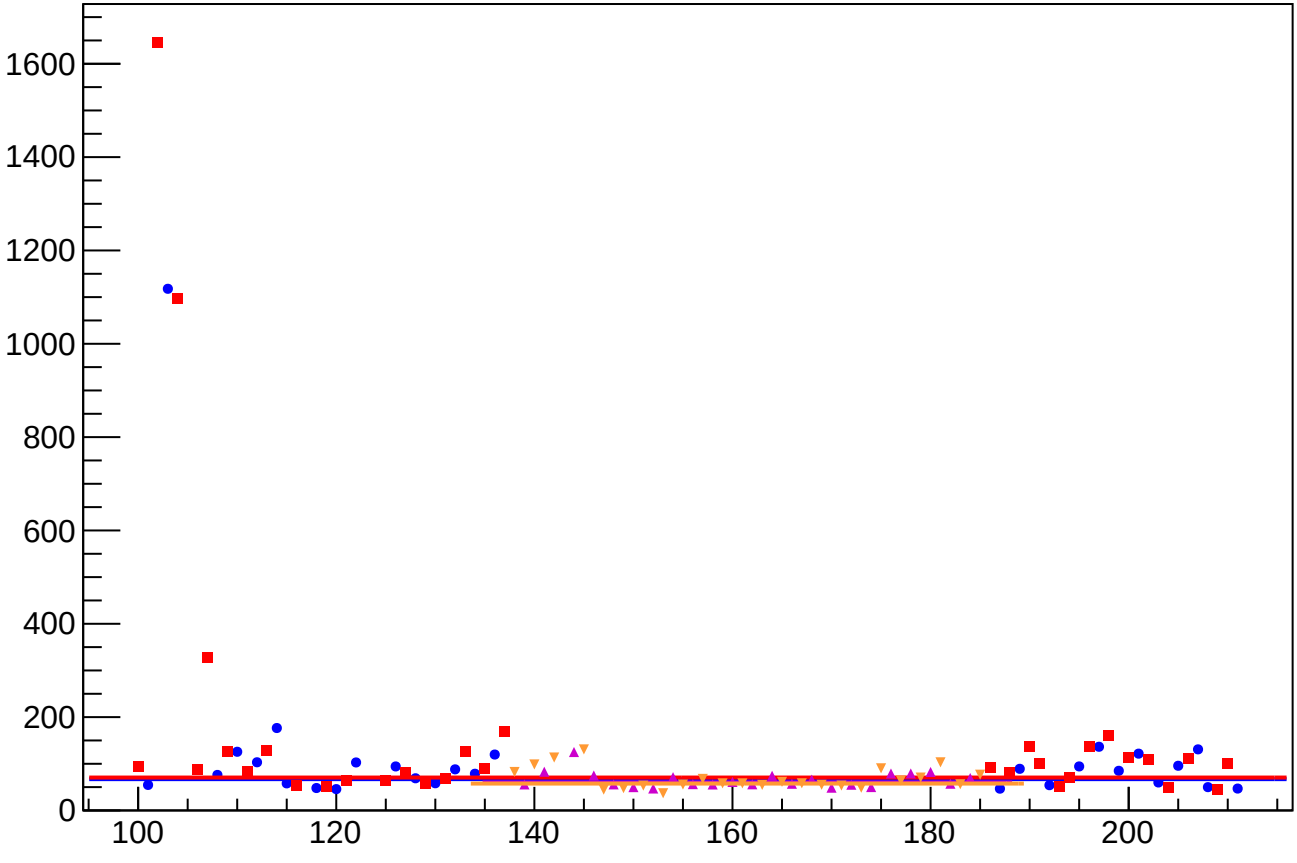
Right: 0.003+/-0.014 χ^2/NDF: 55.4/59

In: 0.001+/-0.012 χ^2/NDF:46.2/50

Out: 0.007+/-0.012 χ^2/NDF:59.6/55

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.107+/-0.014 χ^2/NDF: 4091389.3/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396604.1/31

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

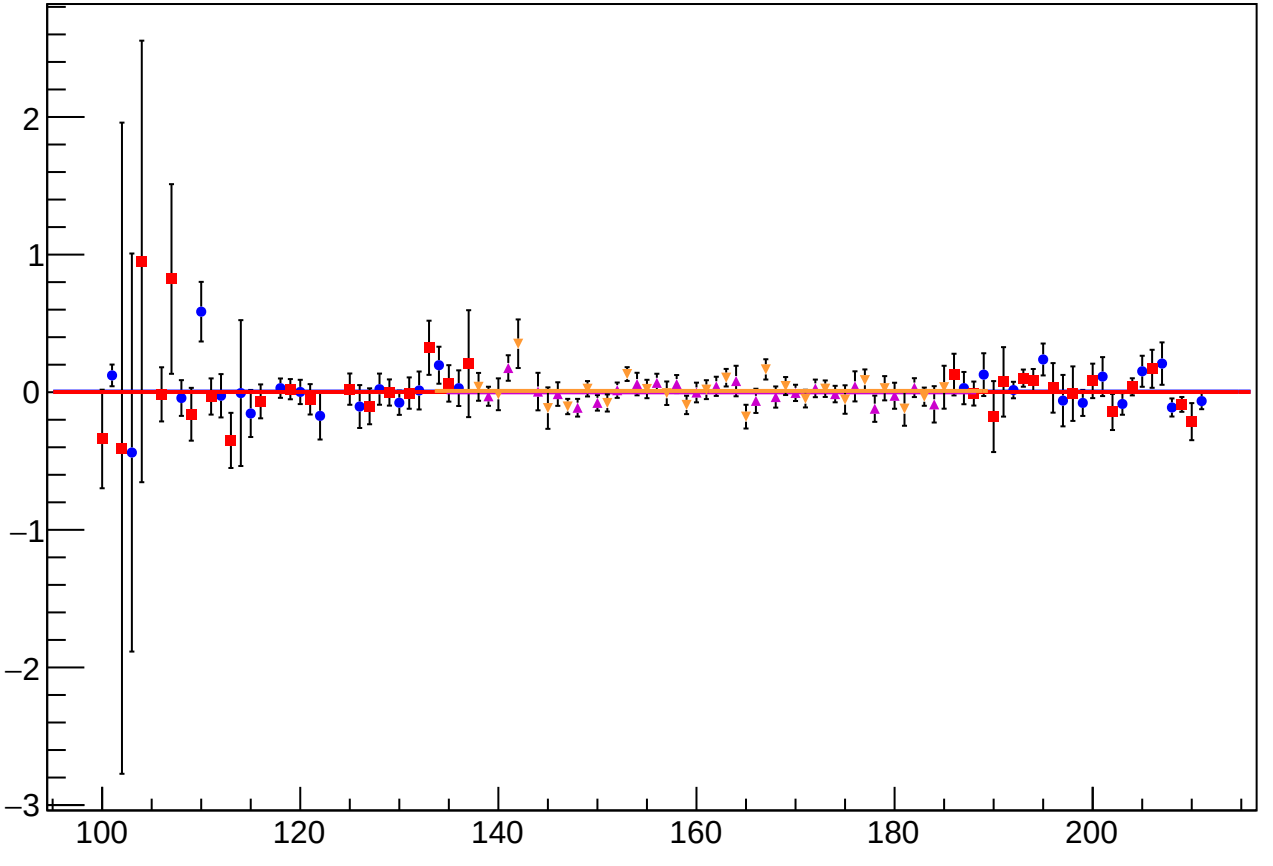
Right: 68.753+/-0.010 χ^2/NDF: 9516759.7/59

In: 62.598+/-0.009 χ^2/NDF:5600146.0/50

Out: 62.159+/-0.009 χ^2/NDF:8125017.1/55

All: 62.378+/-0.006 χ^2/NDF: 13726465.5/106

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.002+/-0.020 χ^2/NDF: 24.8/31

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

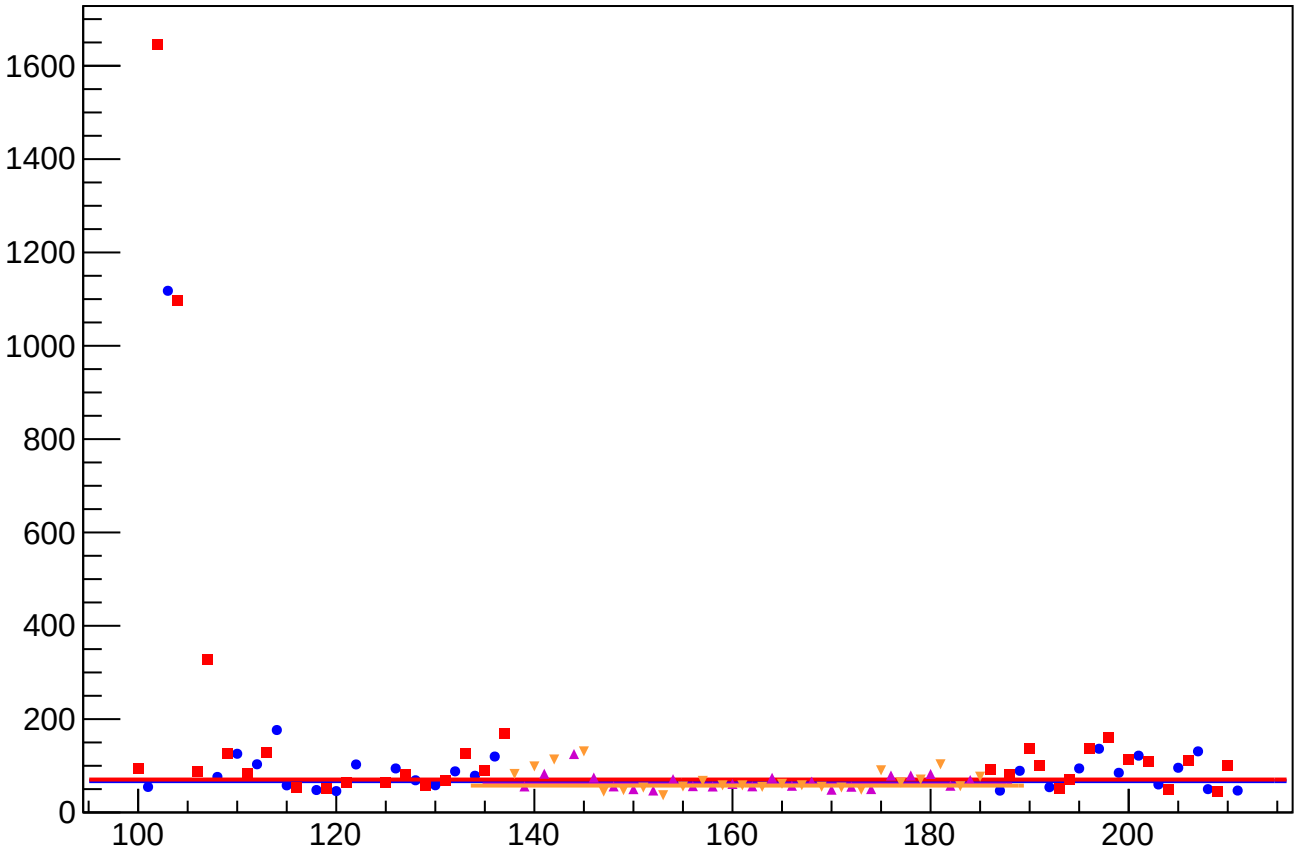
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.003+/-0.014 χ^2/NDF: 55.4/59

In: 0.001+/-0.012 χ^2/NDF:46.2/50

Out: 0.007+/-0.012 χ^2/NDF:59.6/55

All: 0.004+/-0.009 χ^2/NDF: 105.9/106



Right In: 67.107+/-0.014 χ^2/NDF: 4091389.3/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396604.1/31

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

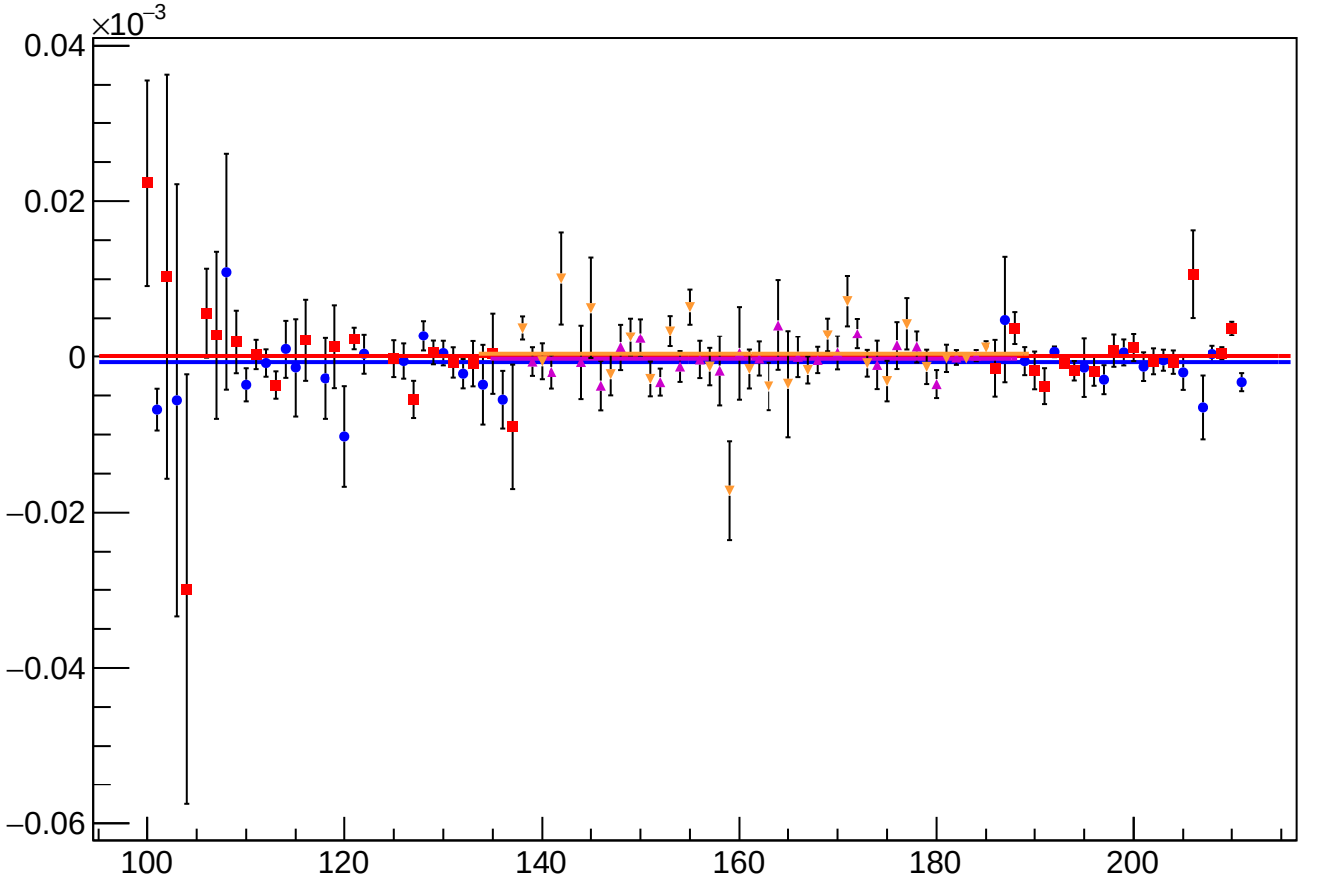
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.753+/-0.010 χ^2/NDF: 9516759.7/59

In: 62.598+/-0.009 χ^2/NDF:5600146.0/50

Out: 62.159+/-0.009 χ^2/NDF:8125017.1/55

All: 62.378+/-0.006 χ^2/NDF: 13726465.5/106



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 54.4/31

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

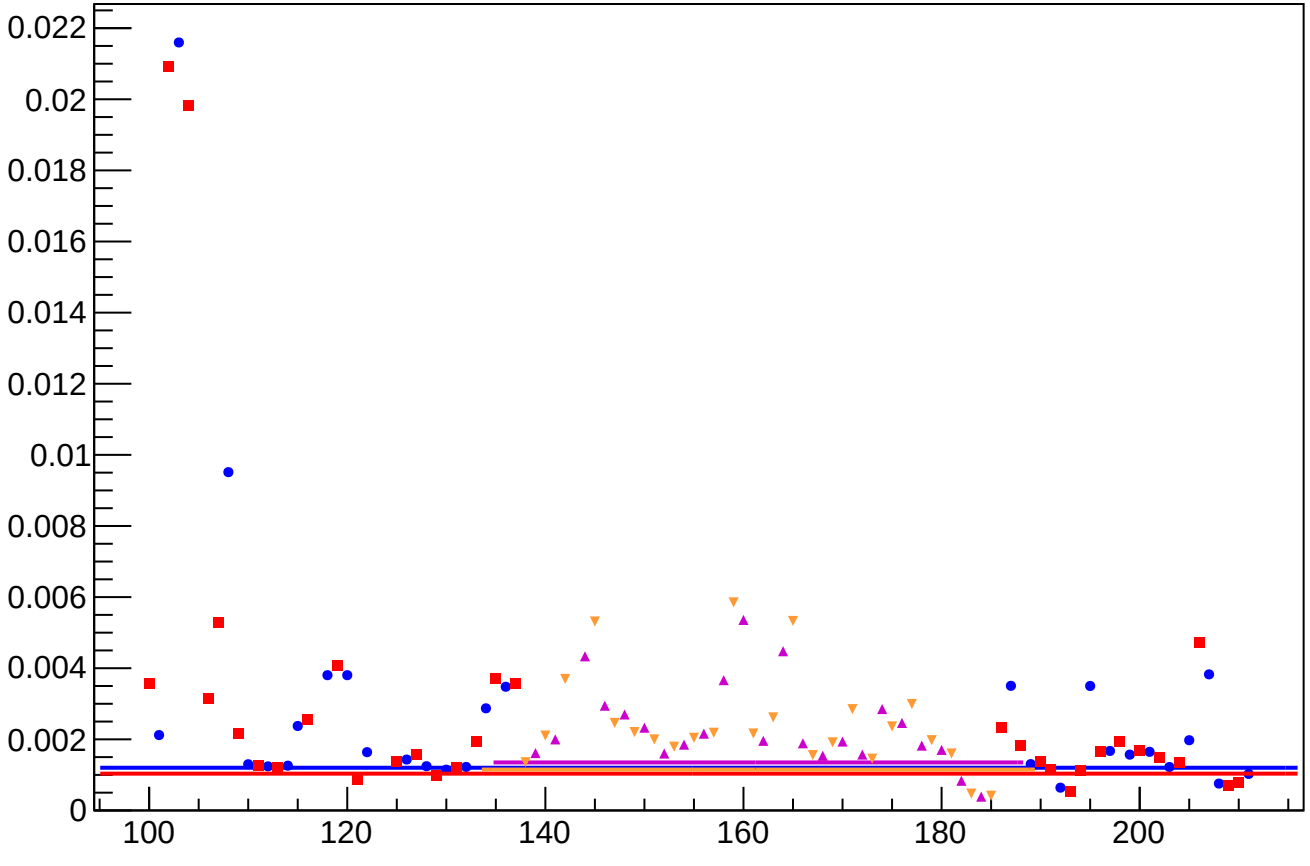
Right: -0.000+/-0.000 χ^2/NDF: 88.6/59

In: -0.000+/-0.000 χ^2/NDF:46.9/50

Out: 0.000+/-0.000 χ^2/NDF:101.6/55

All: -0.000+/-0.000 χ^2/NDF: 152.8/106

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7949982.2/27

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9354845.8/31

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

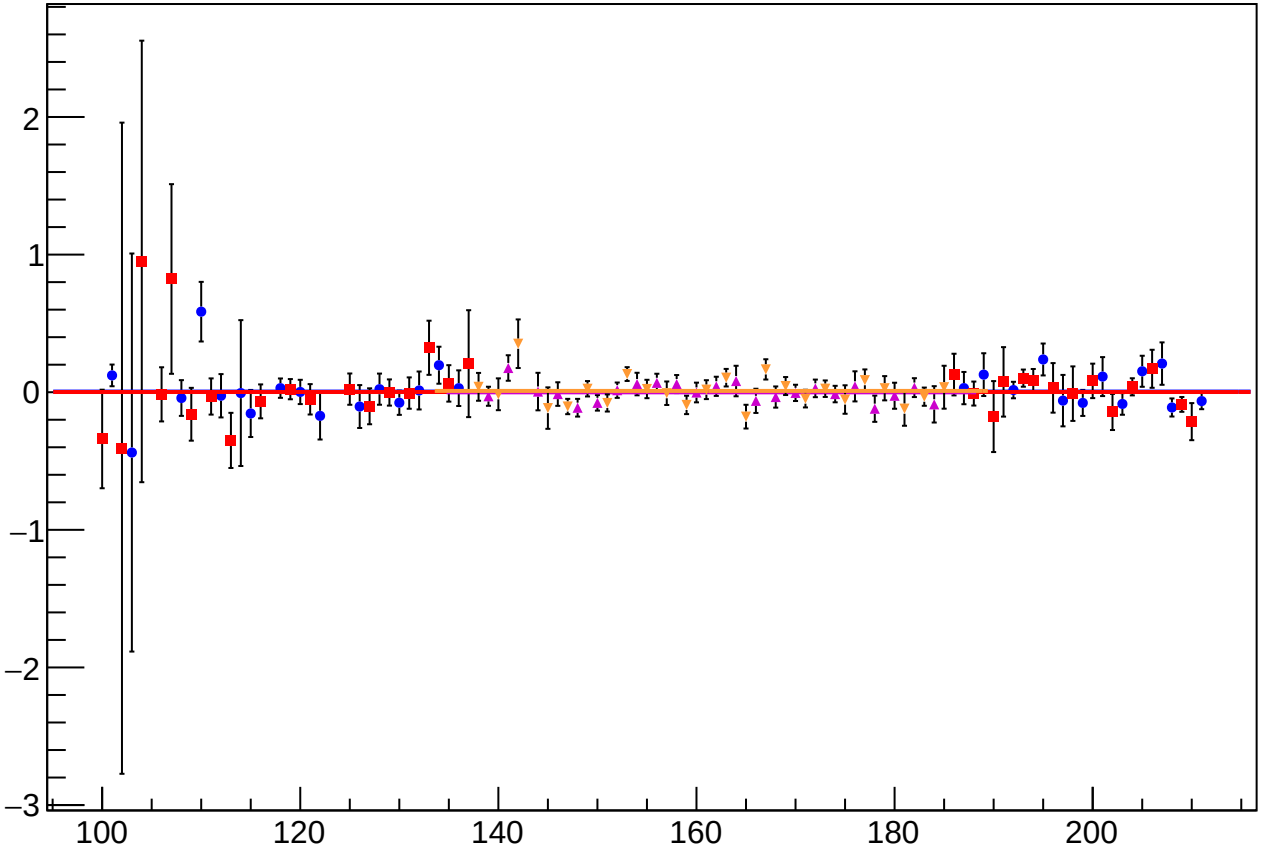
Right: 0.001+/-0.000 χ^2/NDF: 17565798.8/59

In: 0.001+/-0.000 χ^2/NDF:18363120.2/50

Out: 0.001+/-0.000 χ^2/NDF:22725950.8/55

All: 0.001+/-0.000 χ^2/NDF: 41668029.2/106

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.002+/-0.020 χ^2/NDF: 24.8/31

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

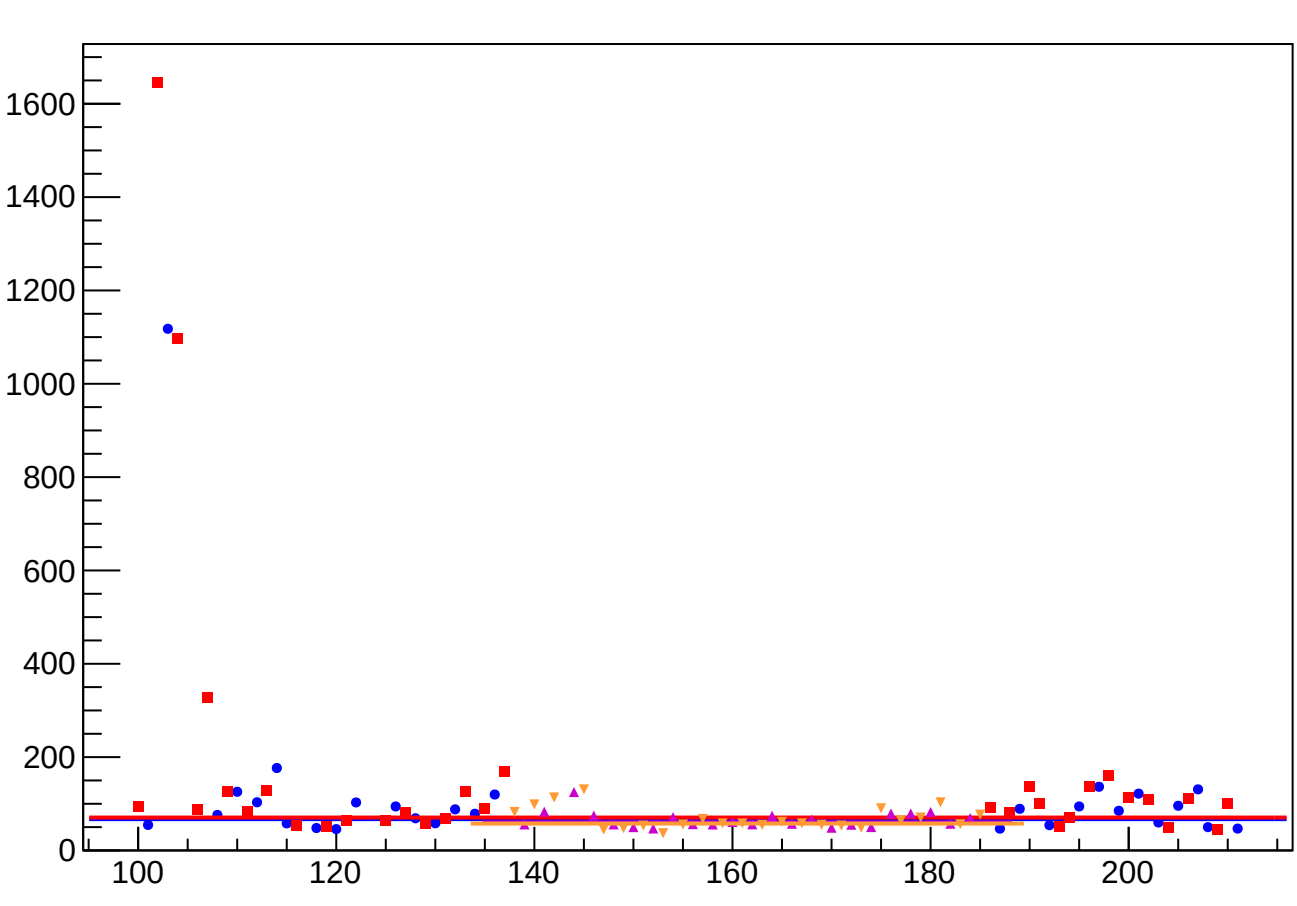
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.003+/-0.014 χ^2/NDF: 55.4/59

In: 0.001+/-0.012 χ^2/NDF:46.2/50

Out: 0.007+/-0.012 χ^2/NDF:59.6/55

All: 0.004+/-0.009 χ^2/NDF: 105.9/106



Right In: 67.106+/-0.014 χ^2/NDF: 4091528.8/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396696.4/31

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

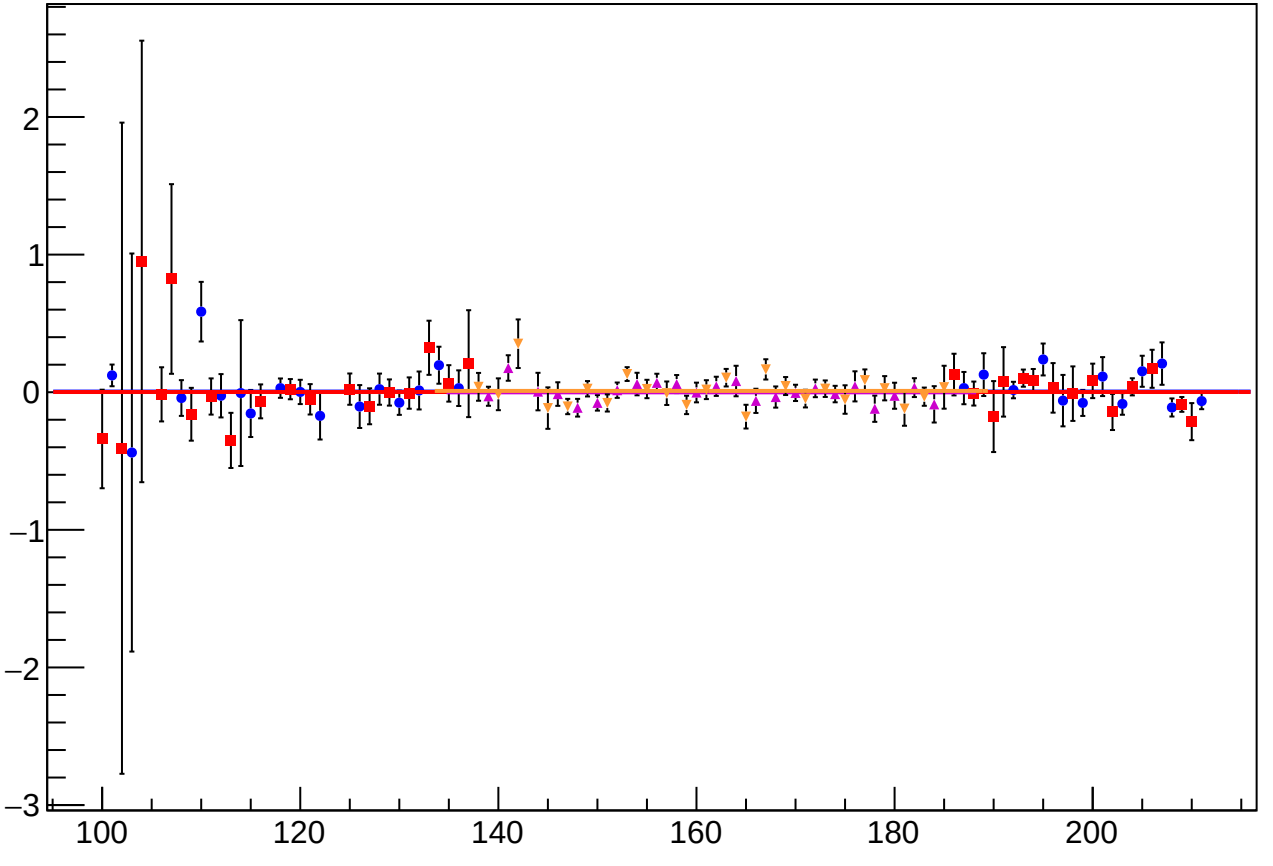
Right: 68.753+/-0.010 χ^2/NDF: 9516994.4/59

In: 62.598+/-0.009 χ^2/NDF:5600240.2/50

Out: 62.159+/-0.009 χ^2/NDF:8125158.4/55

All: 62.378+/-0.006 χ^2/NDF: 13726701.1/106

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.020 χ^2/NDF: 30.6/27

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.002+/-0.020 χ^2/NDF: 24.8/31

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

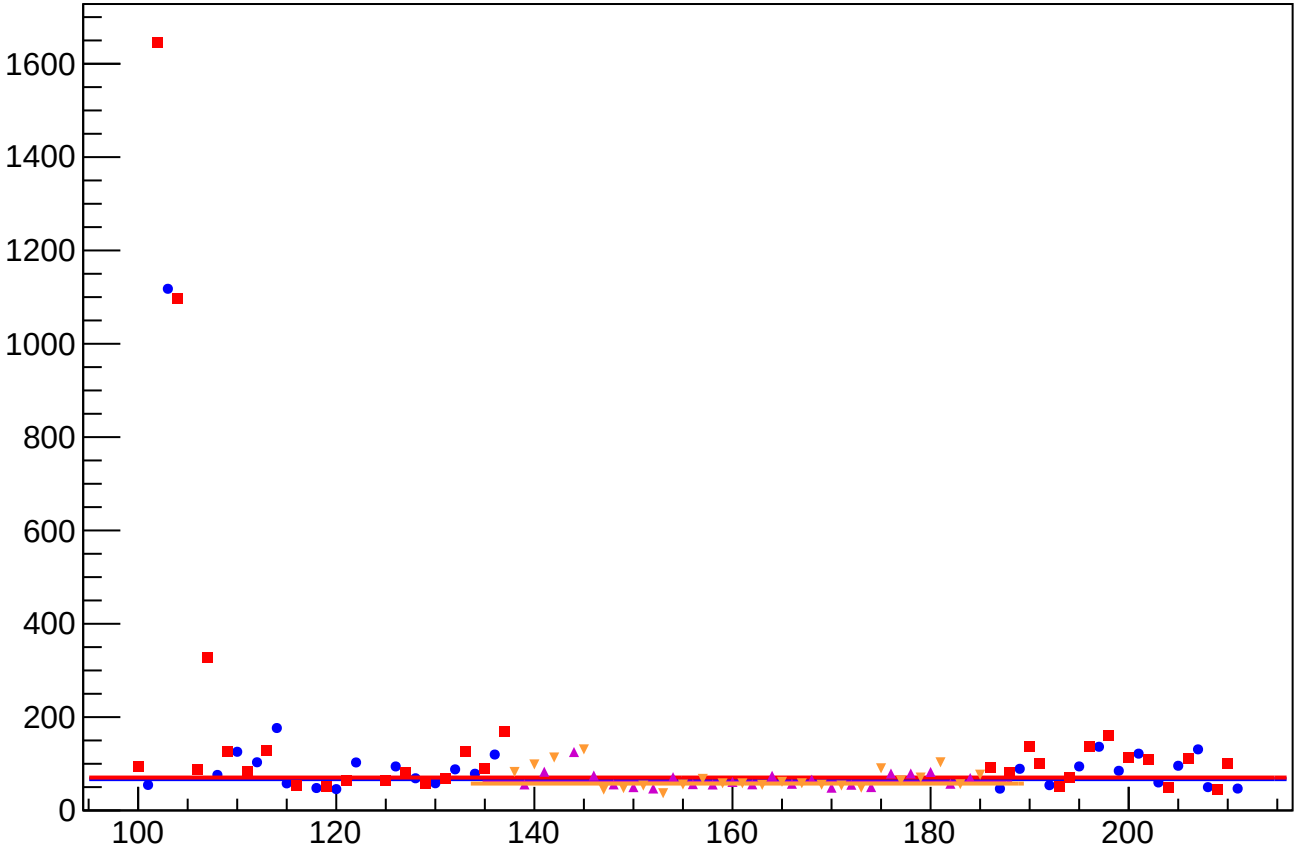
Right: 0.003+/-0.014 χ^2/NDF: 55.4/59

In: 0.001+/-0.012 χ^2/NDF:46.2/50

Out: 0.007+/-0.012 χ^2/NDF:59.6/55

All: 0.004+/-0.009 χ^2/NDF: 105.9/106

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.106+/-0.014 χ^2/NDF: 4091528.8/27

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 70.519+/-0.014 χ^2/NDF: 5396696.4/31

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

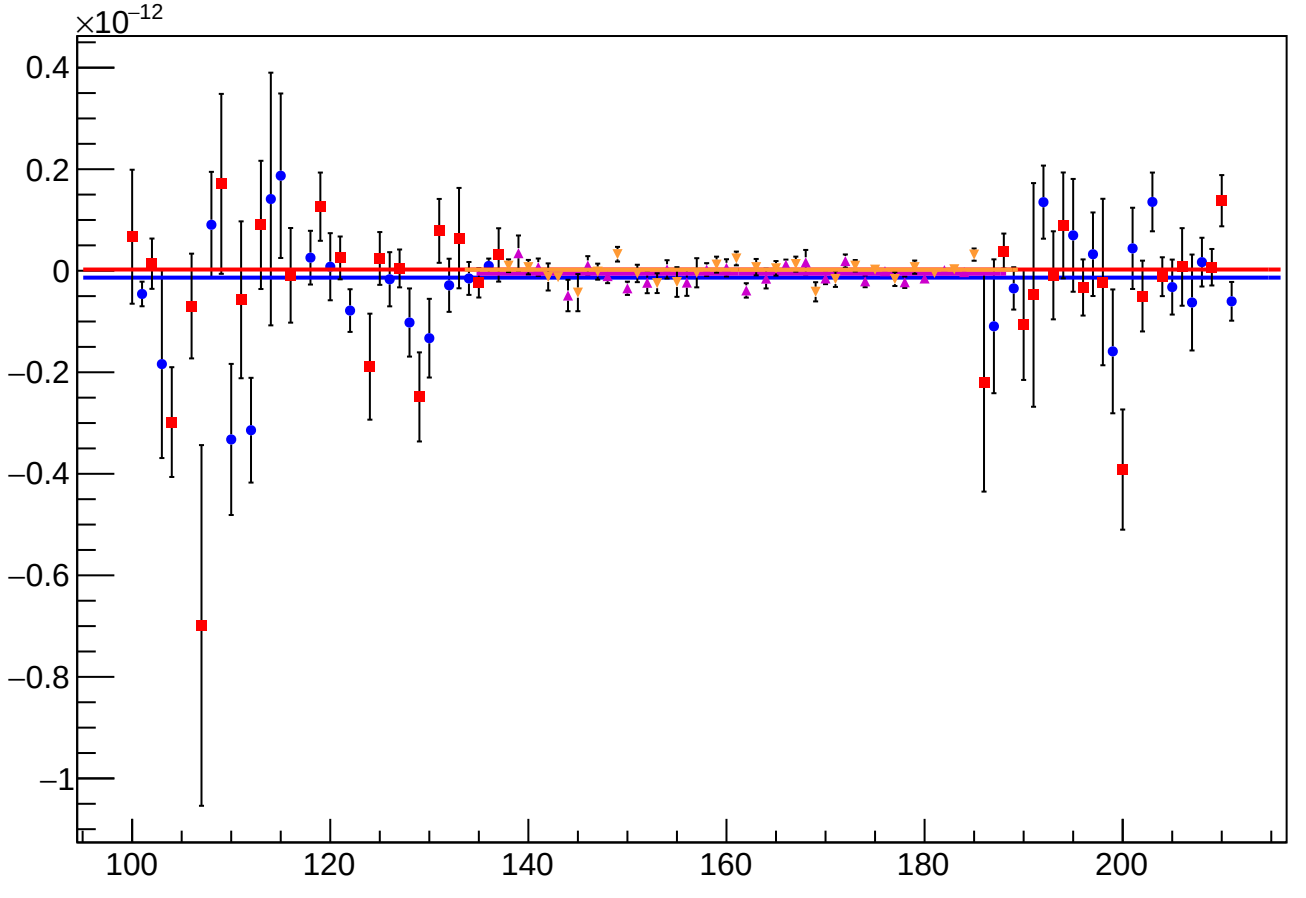
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.753+/-0.010 χ^2/NDF: 9516994.4/59

In: 62.598+/-0.009 χ^2/NDF:5600240.2/50

Out: 62.159+/-0.009 χ^2/NDF:8125158.4/55

All: 62.378+/-0.006 χ^2/NDF: 13726701.1/106



Right In: -0.000+/-0.000 χ^2/NDF: 45.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.7/32

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

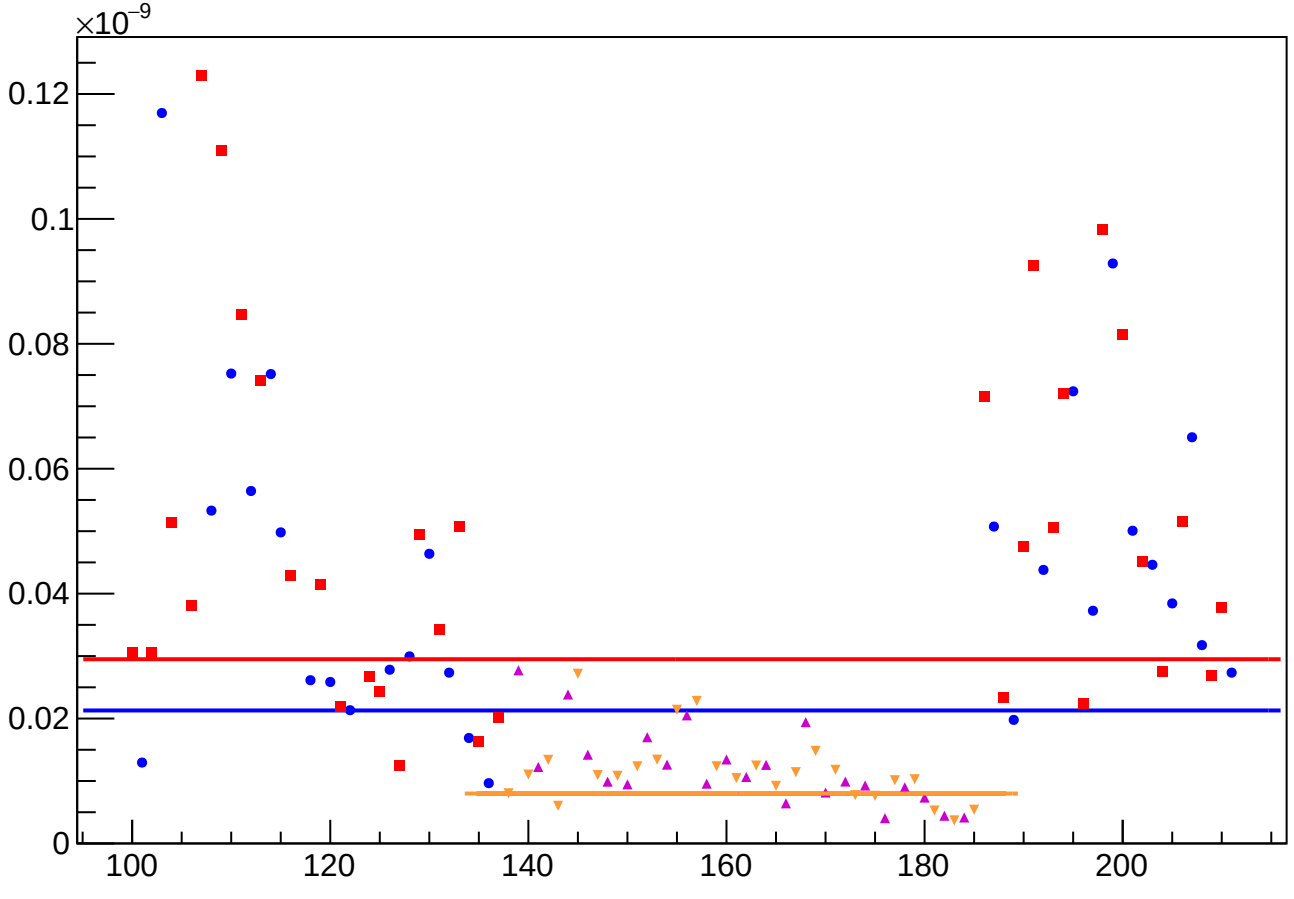
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 102.3/60

In: -0.000+/-0.000 χ^2/NDF:78.5/50

Out: 0.000+/-0.000 χ^2/NDF:87.6/57

All: -0.000+/-0.000 χ^2/NDF: 172.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 6114263.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4373173.8/32

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

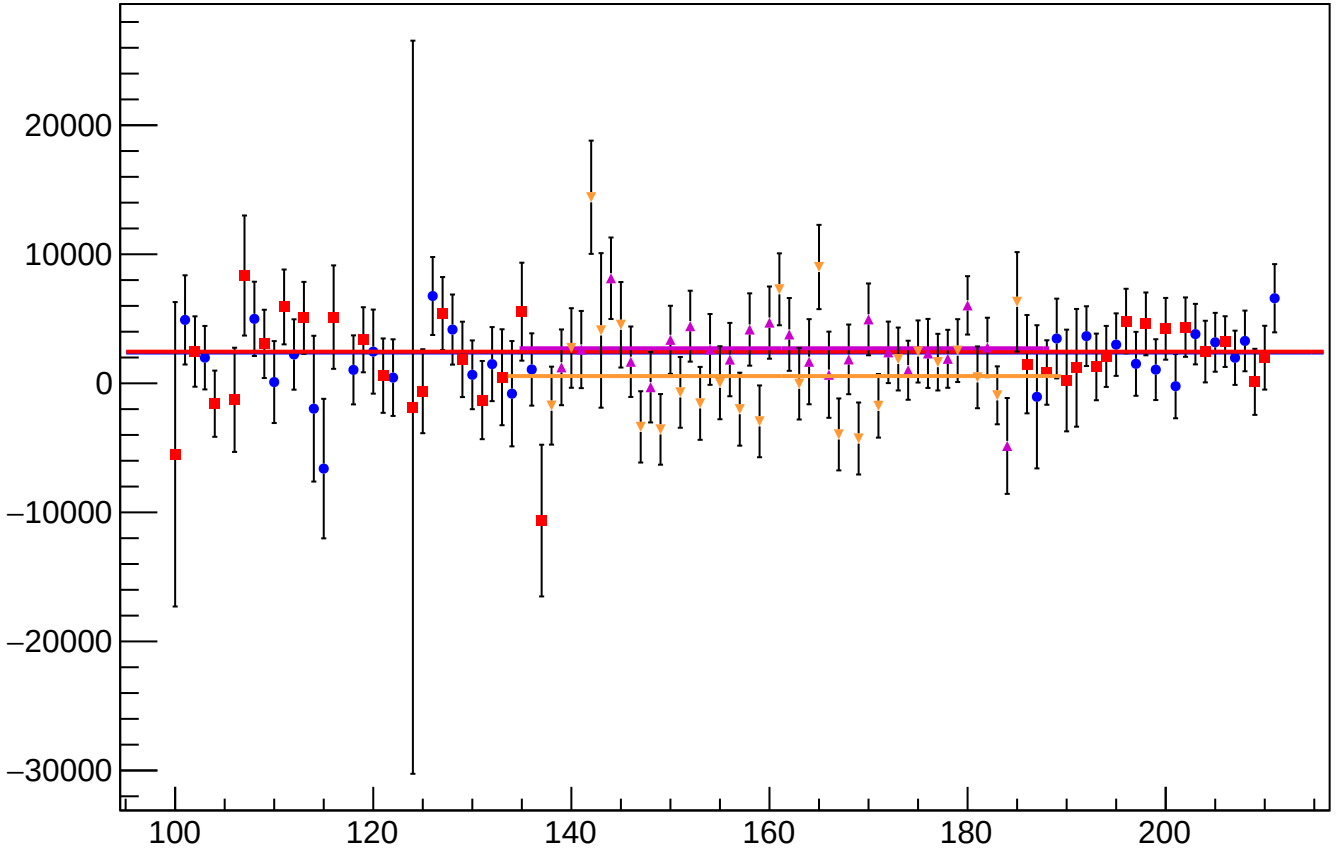
Right: 0.000+/-0.000 χ^2/NDF: 11196546.5/60

In: 0.000+/-0.000 χ^2/NDF:15599640.7/50

Out: 0.000+/-0.000 χ^2/NDF:16967792.3/57

All: 0.000+/-0.000 χ^2/NDF: 32567746.9/108

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2387.239+/-524.462 χ^2/NDF: 15.5/27

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2452.249+/-508.835 χ^2/NDF: 23.3/32

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

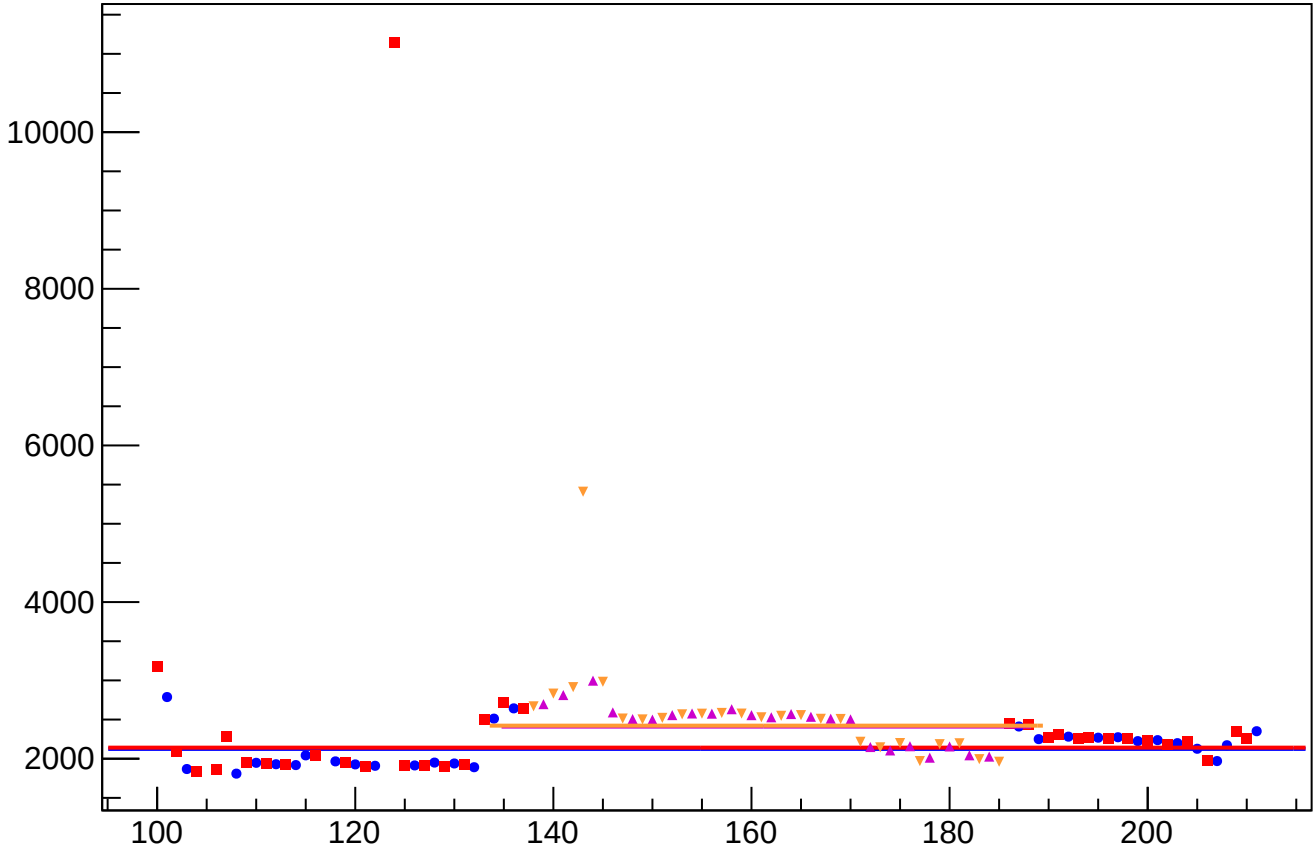
Right: 2420.727+/-365.201 χ^2/NDF: 38.7/60

In: 2539.149+/-384.762 χ^2/NDF:29.9/50

Out: 1593.079+/-375.774 χ^2/NDF:73.5/57

All: 2054.935+/-268.834 χ^2/NDF: 106.5/108

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.2/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.355+/-0.360 χ^2/NDF: 543956.0/32

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

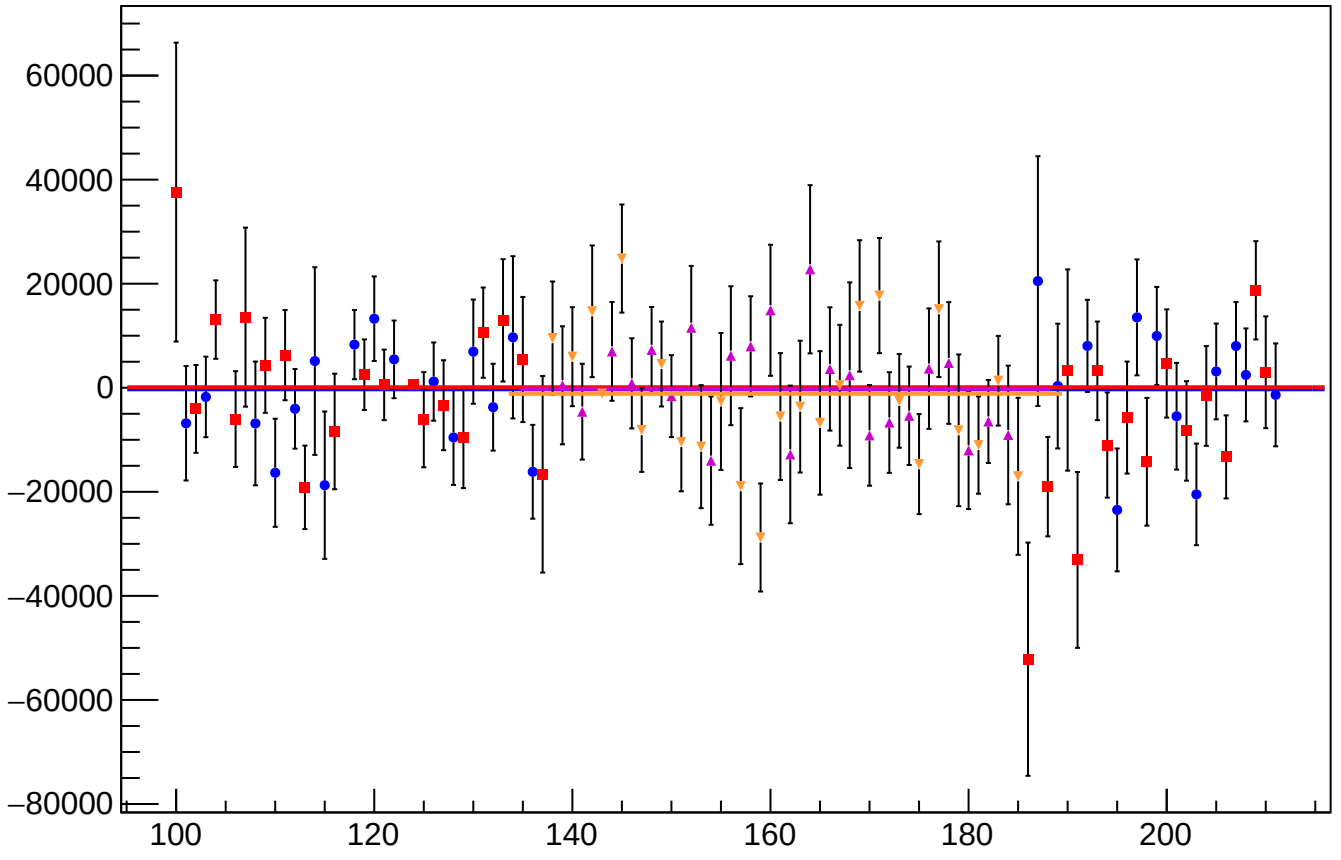
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2133.519+/-0.258 χ^2/NDF: 904167.3/60

In: 2256.630+/-0.272 χ^2/NDF:1059610.7/50

Out: 2269.011+/-0.266 χ^2/NDF:1773705.6/57

All: 2262.967+/-0.190 χ^2/NDF: 2834376.1/10



Right In: -291.513+/-1798.499 χ^2/NDF: 29.4/27

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 94.008+/-742.043 χ^2/NDF: 42.8/32

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

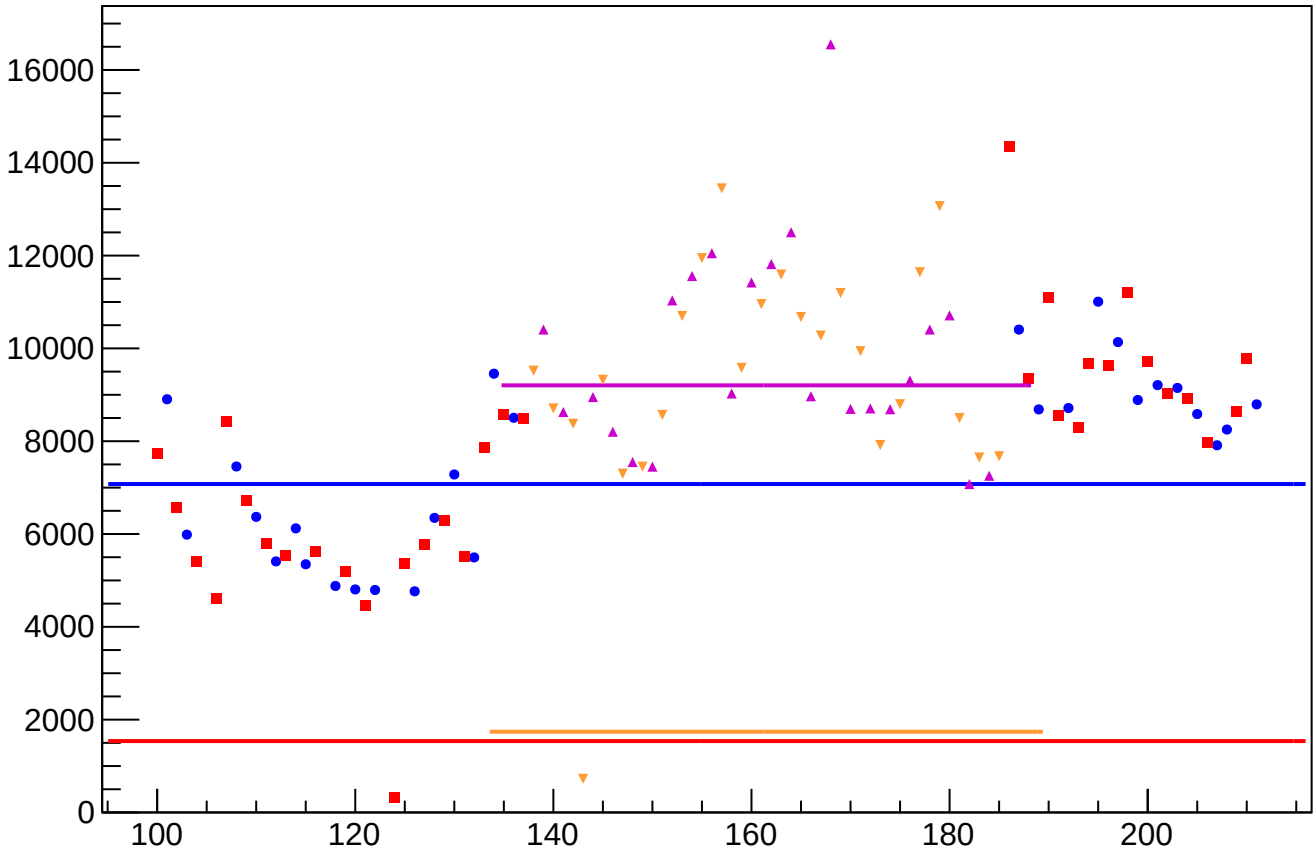
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 37.928+/-685.951 χ^2/NDF: 72.2/60

In: -258.633+/-1391.171 χ^2/NDF:42.8/50

Out: -518.951+/-530.186 χ^2/NDF:76.1/57

All: -485.937+/-495.426 χ^2/NDF: 118.9/108



Right In: 7076.817+/-1.272 χ^2/NDF: 2103174.0/27

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1538.288+/-0.525 χ^2/NDF: 27230827.0/32

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

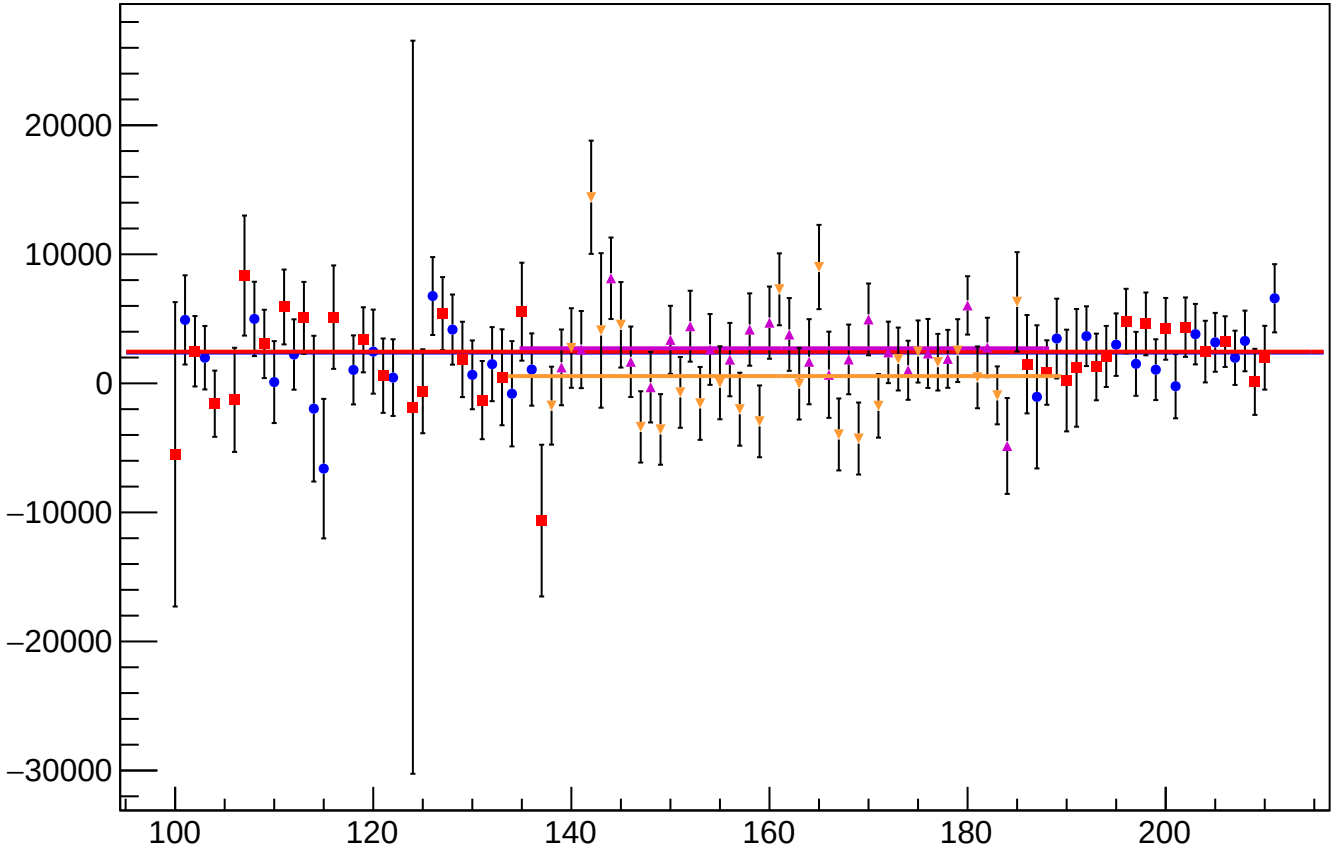
Right: 2343.963+/-0.485 χ^2/NDF: 45541910.5/60

In: 7931.145+/-0.984 χ^2/NDF:4498784.0/50

Out: 1636.874+/-0.375 χ^2/NDF:55036993.4/57

All: 2435.131+/-0.350 χ^2/NDF: 95284612.2/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2387.203+/-524.462 χ^2/NDF: 15.5/27

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2453.076+/-508.838 χ^2/NDF: 23.3/32

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

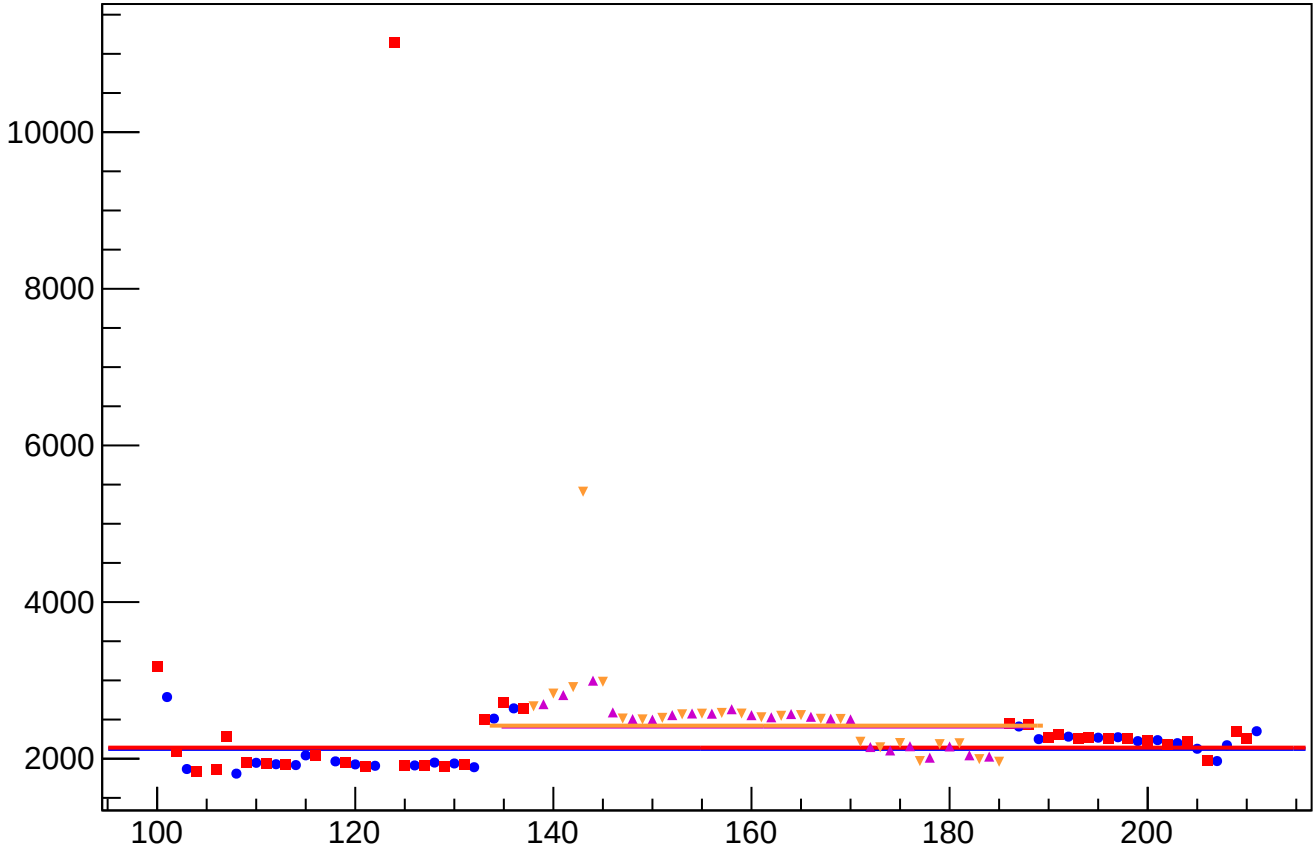
Right: 2421.135+/-365.201 χ^2/NDF: 38.7/60

In: 2539.112+/-384.762 χ^2/NDF:29.9/50

Out: 1593.527+/-375.775 χ^2/NDF:73.5/57

All: 2055.148+/-268.834 χ^2/NDF: 106.5/108

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.1/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.366+/-0.360 χ^2/NDF: 543948.6/32

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

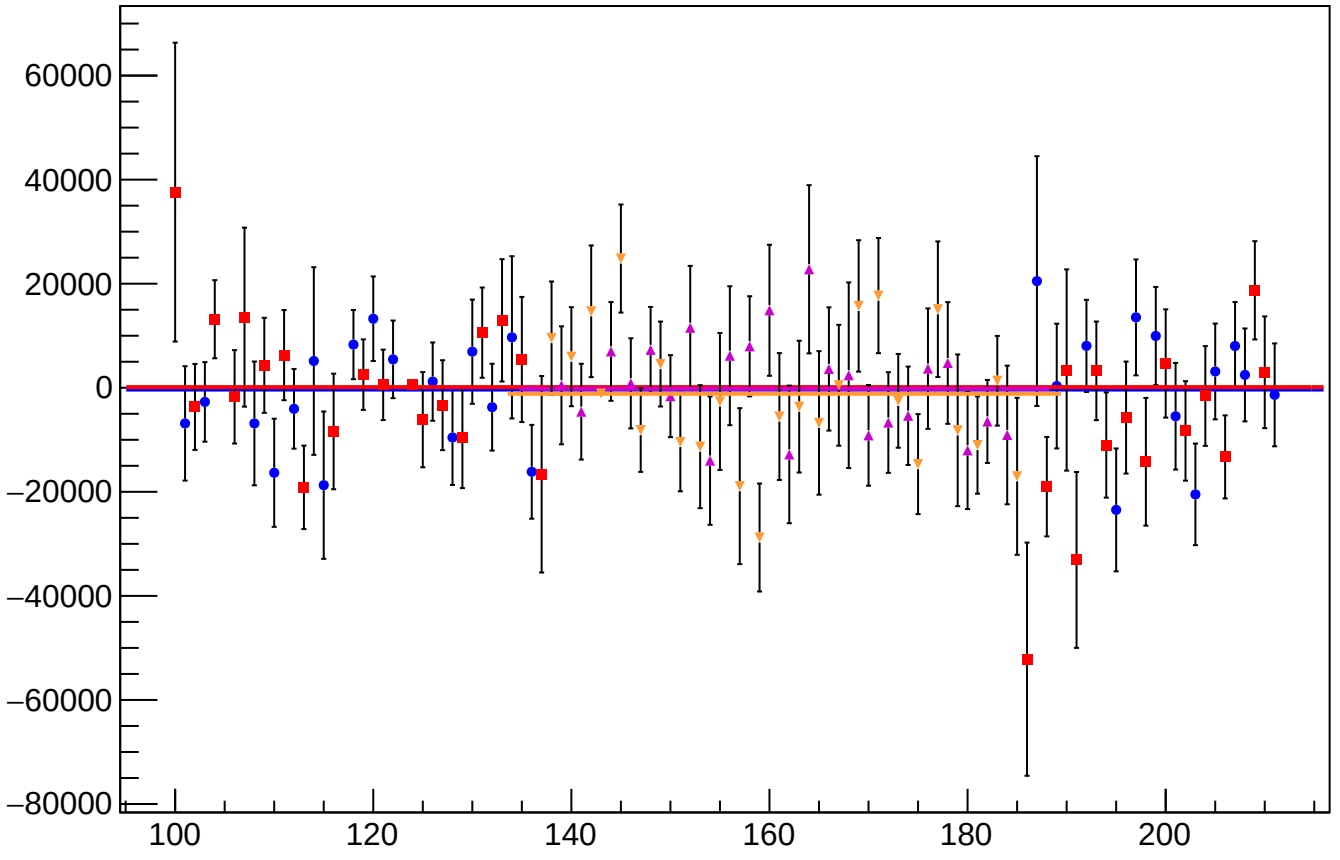
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2133.524+/-0.258 χ^2/NDF: 904161.2/60

In: 2256.630+/-0.272 χ^2/NDF:1059610.7/50

Out: 2269.017+/-0.266 χ^2/NDF:1773675.7/57

All: 2262.970+/-0.190 χ^2/NDF: 2834347.4/10



Right In: -346.922+/-1797.342 χ^2/NDF: 29.5/27

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 125.418+/-741.737 χ^2/NDF: 42.4/32

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

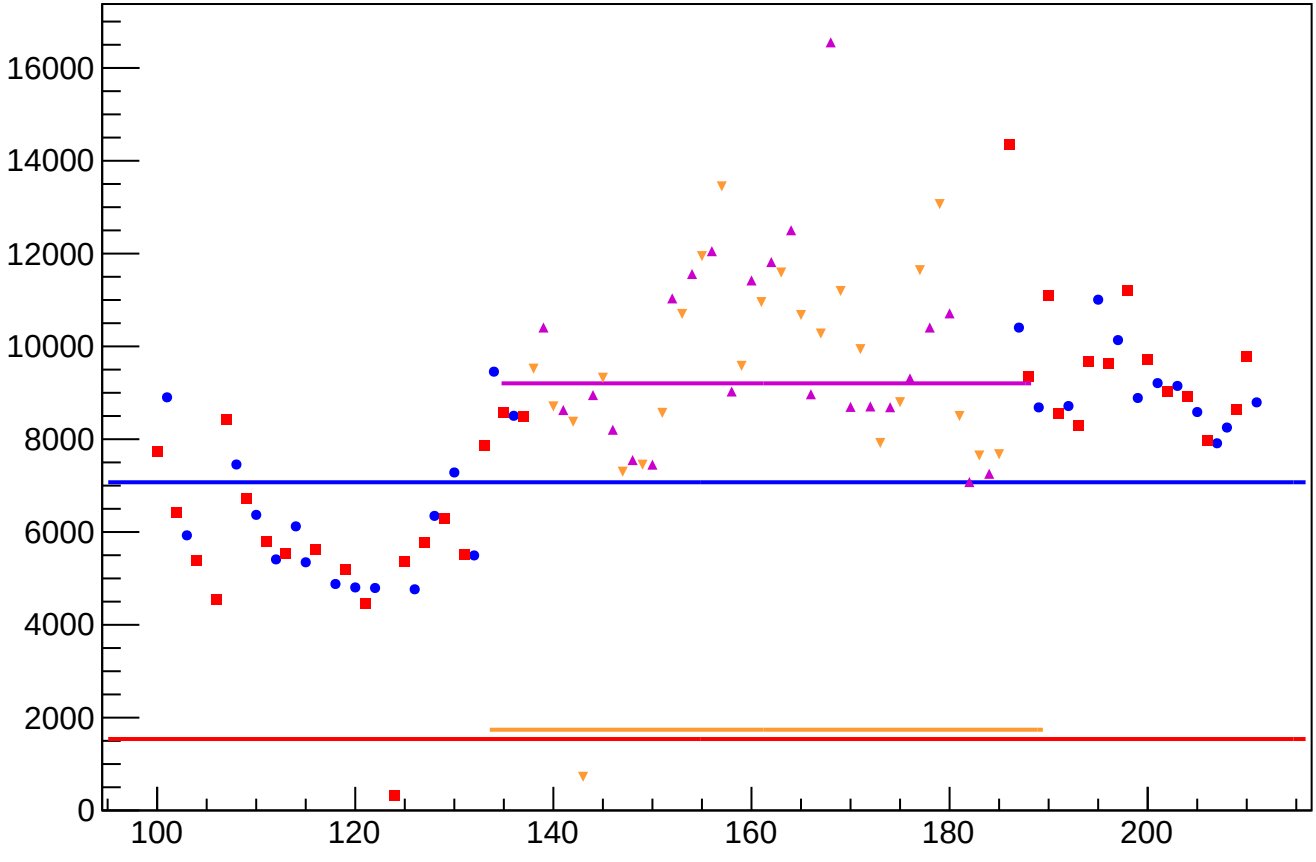
Right: 56.681+/-685.645 χ^2/NDF: 71.9/60

In: -291.766+/-1390.635 χ^2/NDF:42.9/50

Out: -502.589+/-530.052 χ^2/NDF:75.8/57

All: -475.846+/-495.293 χ^2/NDF: 118.7/108

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7072.161+/-1.271 χ^2/NDF: 2108484.8/27

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1539.443+/-0.524 χ^2/NDF: 27221407.2/32

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

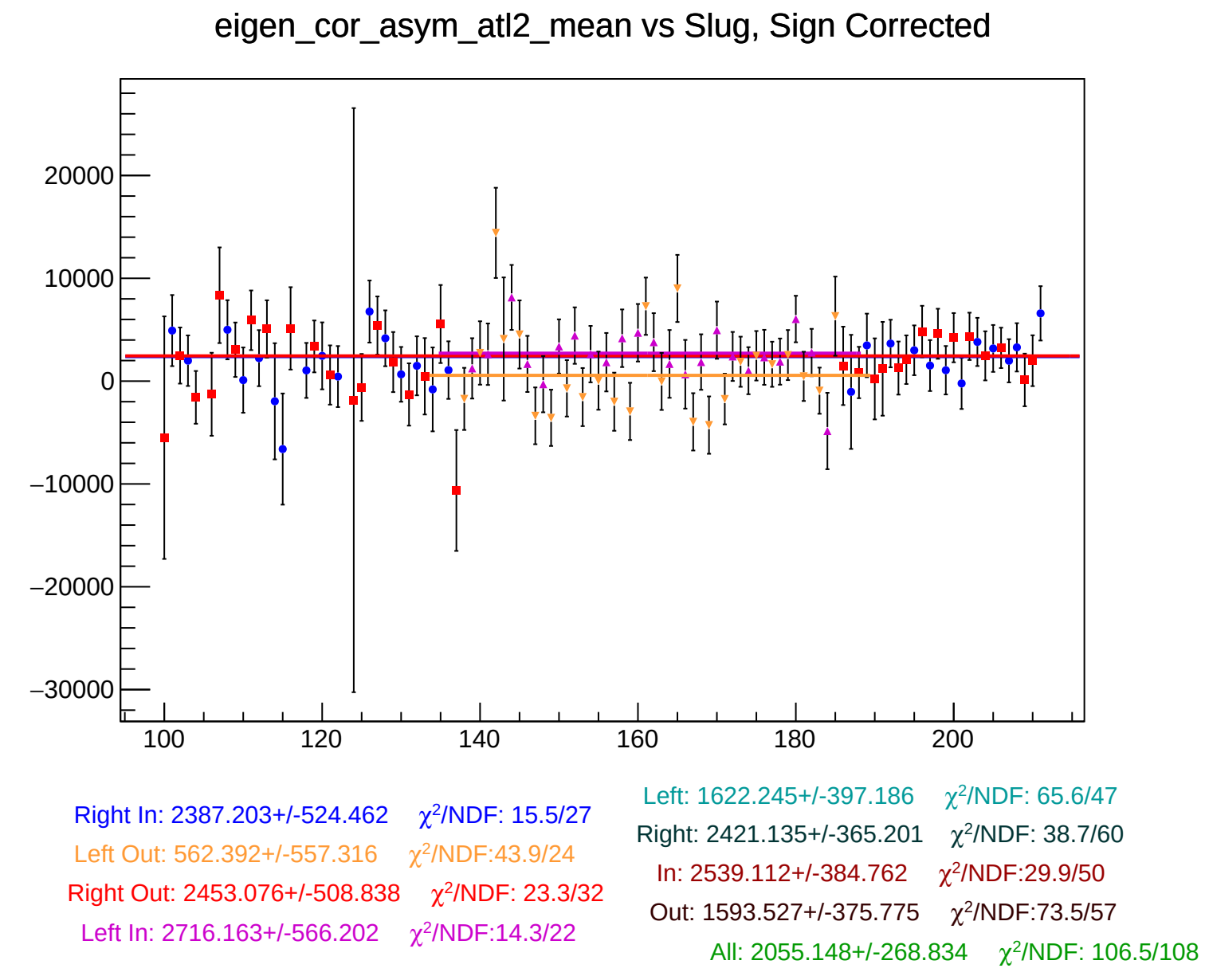
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2344.591+/-0.485 χ^2/NDF: 45523555.7/60

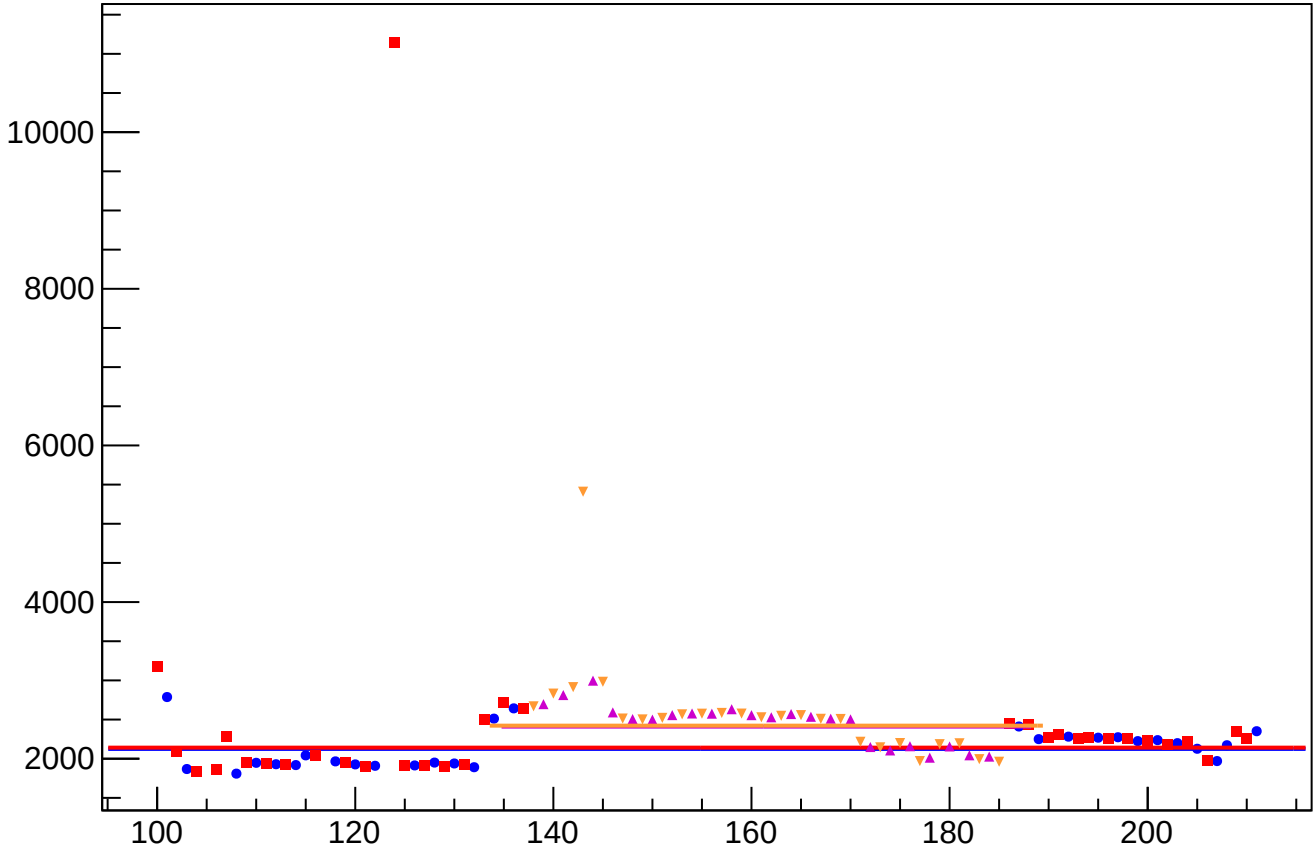
In: 7927.695+/-0.983 χ^2/NDF:4509602.1/50

Out: 1637.317+/-0.375 χ^2/NDF:55027663.2/57

All: 2435.265+/-0.350 χ^2/NDF: 95268256.6/1


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2387.203+/-524.462 χ²/NDF: 15.5/27
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2453.076+/-508.838 χ²/NDF: 23.3/32
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2421.135+/-365.201 χ²/NDF: 38.7/60
In: 2539.112+/-384.762 χ²/NDF:29.9/50
Out: 1593.527+/-375.775 χ²/NDF:73.5/57
All: 2055.148+/-268.834 χ²/NDF: 106.5/108

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2125.194+/-0.371 χ^2/NDF: 359233.1/27

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2141.366+/-0.360 χ^2/NDF: 543948.6/32

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

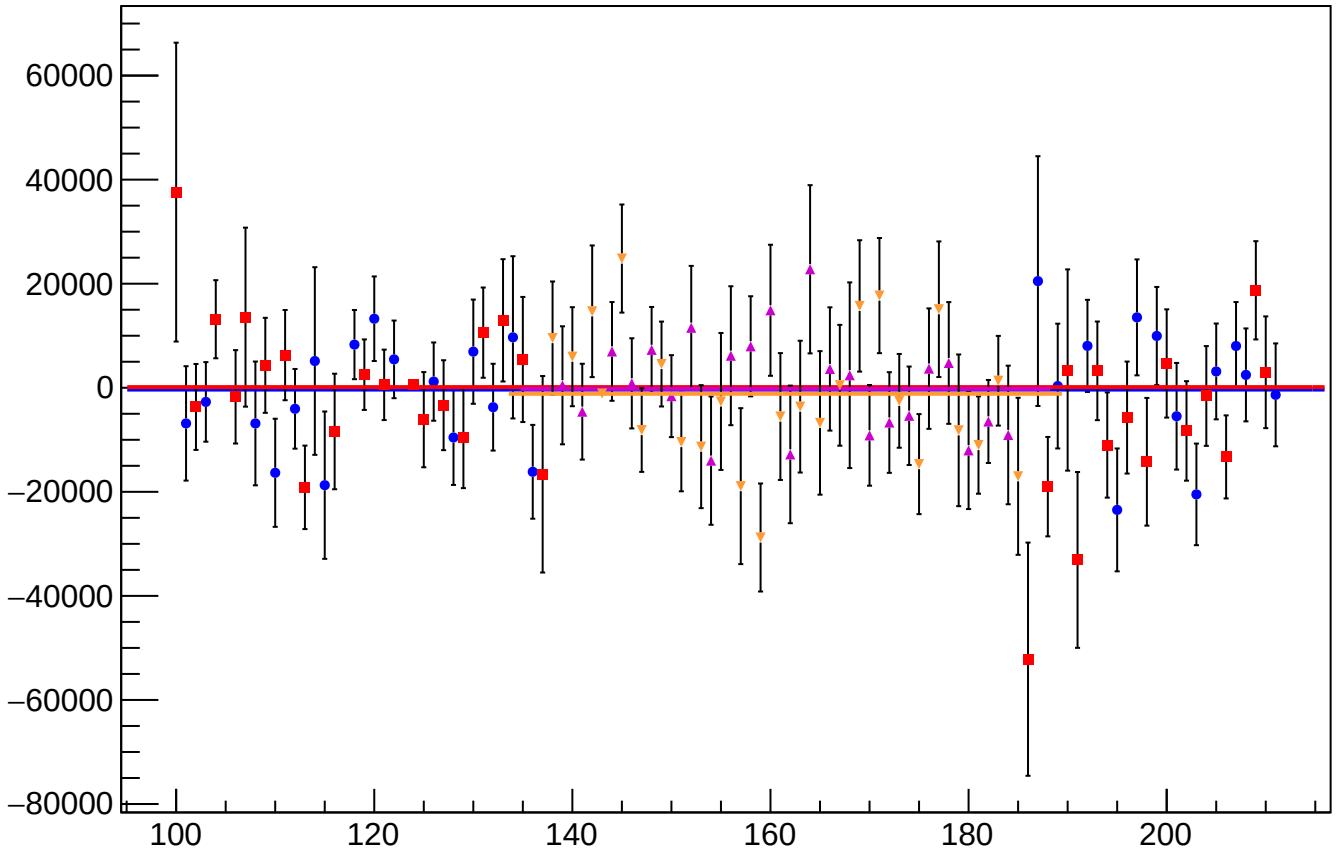
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2133.524+/-0.258 χ^2/NDF: 904161.2/60

In: 2256.630+/-0.272 χ^2/NDF:1059610.7/50

Out: 2269.017+/-0.266 χ^2/NDF:1773675.7/57

All: 2262.970+/-0.190 χ^2/NDF: 2834347.4/10



Right In: -346.922+/-1797.342 χ^2/NDF: 29.5/27

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 125.418+/-741.737 χ^2/NDF: 42.4/32

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

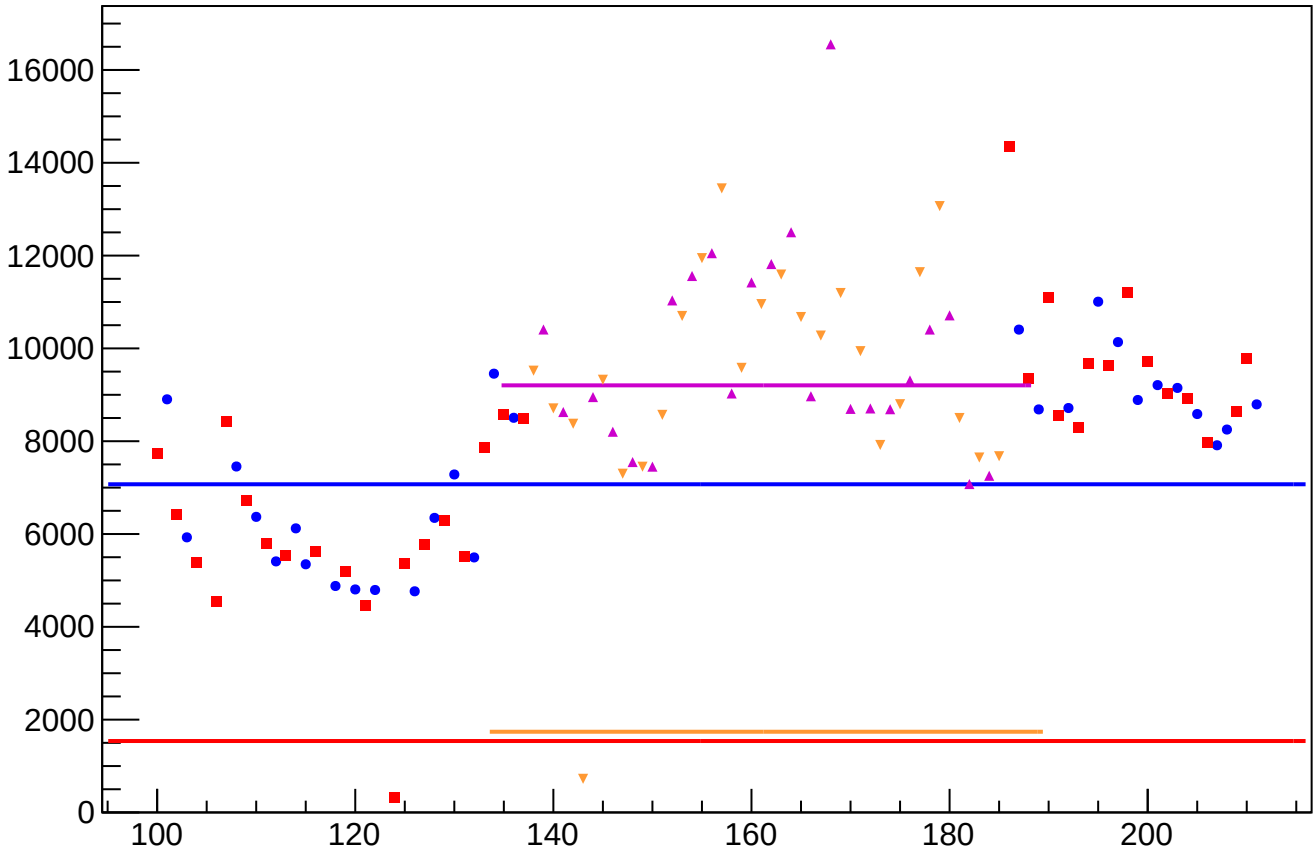
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 56.681+/-685.645 χ^2/NDF: 71.9/60

In: -291.766+/-1390.635 χ^2/NDF:42.9/50

Out: -502.589+/-530.052 χ^2/NDF:75.8/57

All: -475.846+/-495.293 χ^2/NDF: 118.7/108



Right In: 7072.161+/-1.271 χ^2/NDF: 2108484.8/27

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1539.443+/-0.524 χ^2/NDF: 27221407.2/32

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

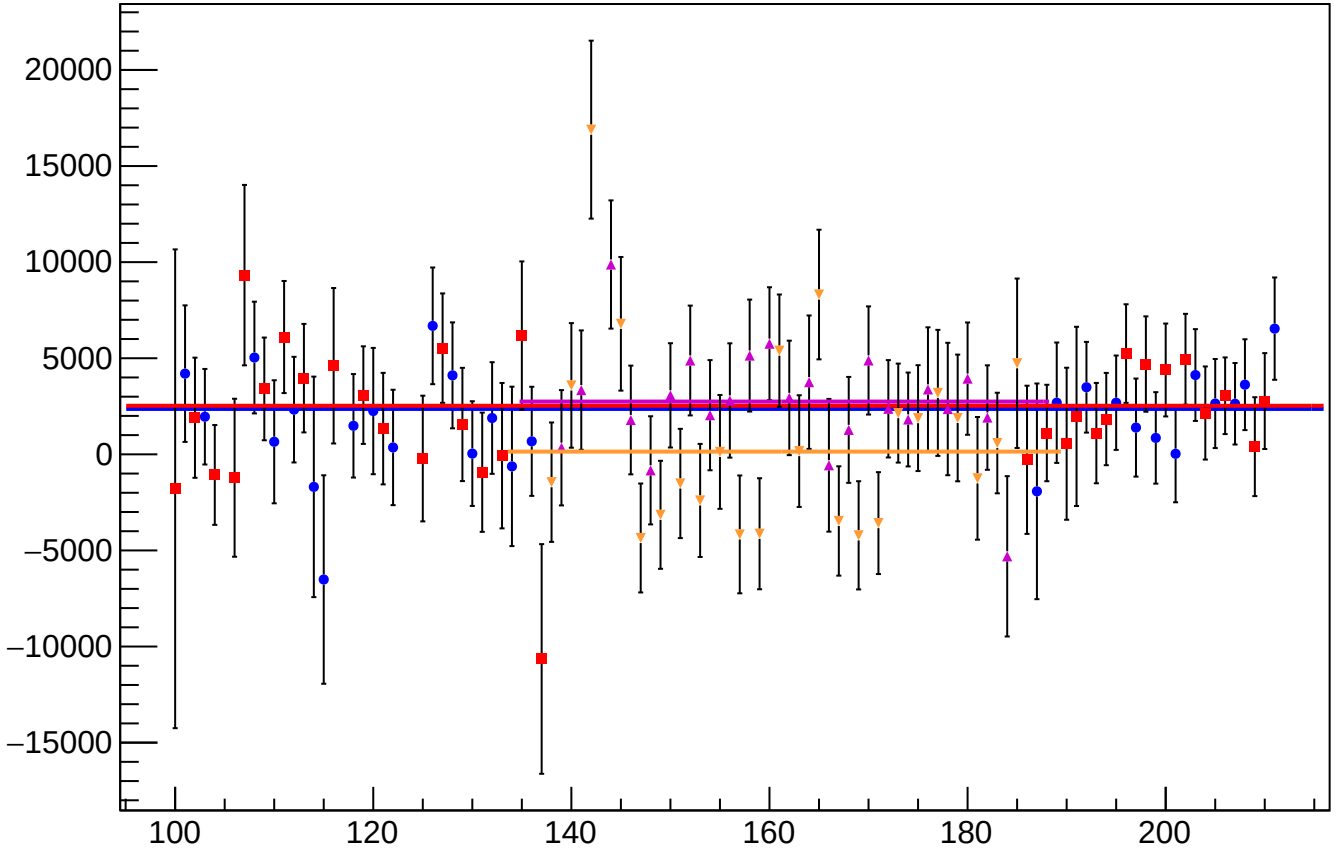
Right: 2344.591+/-0.485 χ^2/NDF: 45523555.7/60

In: 7927.695+/-0.983 χ^2/NDF:4509602.1/50

Out: 1637.317+/-0.375 χ^2/NDF:55027663.2/57

All: 2435.265+/-0.350 χ^2/NDF: 95268256.6/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2362.728+/-531.336 χ^2/NDF: 14.8/27

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2527.725+/-517.397 χ^2/NDF: 22.6/31

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

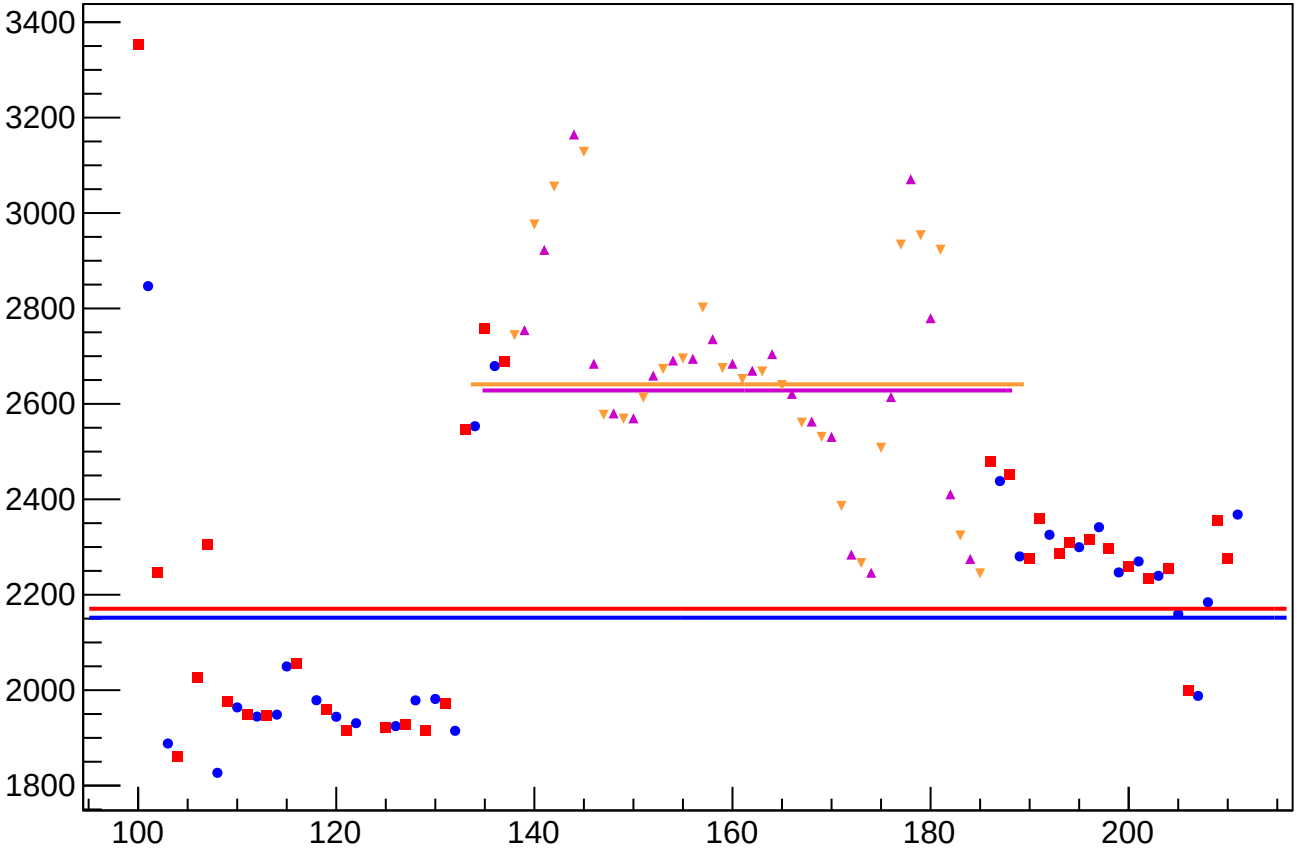
Right: 2447.419+/-370.685 χ^2/NDF: 37.4/59

In: 2526.190+/-402.376 χ^2/NDF:30.4/50

Out: 1540.557+/-396.115 χ^2/NDF:77.2/55

All: 2025.646+/-282.283 χ^2/NDF: 110.7/106

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.904+/-0.376 χ^2/NDF: 374184.3/27

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.673+/-0.366 χ^2/NDF: 348125.7/31

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

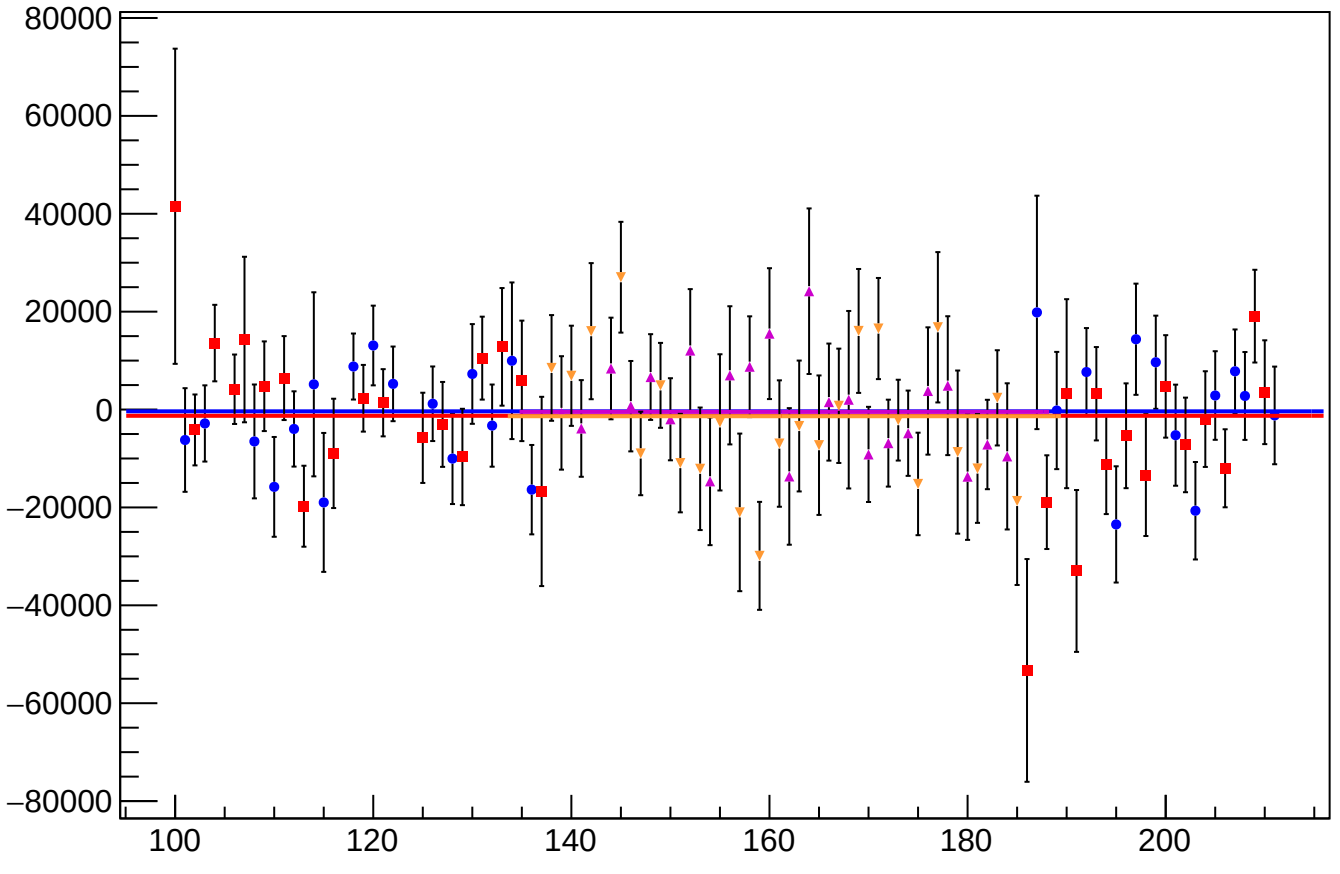
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2161.545+/-0.262 χ^2/NDF: 723591.8/59

In: 2355.012+/-0.285 χ^2/NDF:1296890.3/50

Out: 2365.167+/-0.280 χ^2/NDF:1285864.7/55

All: 2360.171+/-0.200 χ^2/NDF: 2583402.1/10



Right In: -364.392+/-1811.423 χ^2/NDF: 29.1/27

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1278.405+/-1721.454 χ^2/NDF: 41.4/31

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

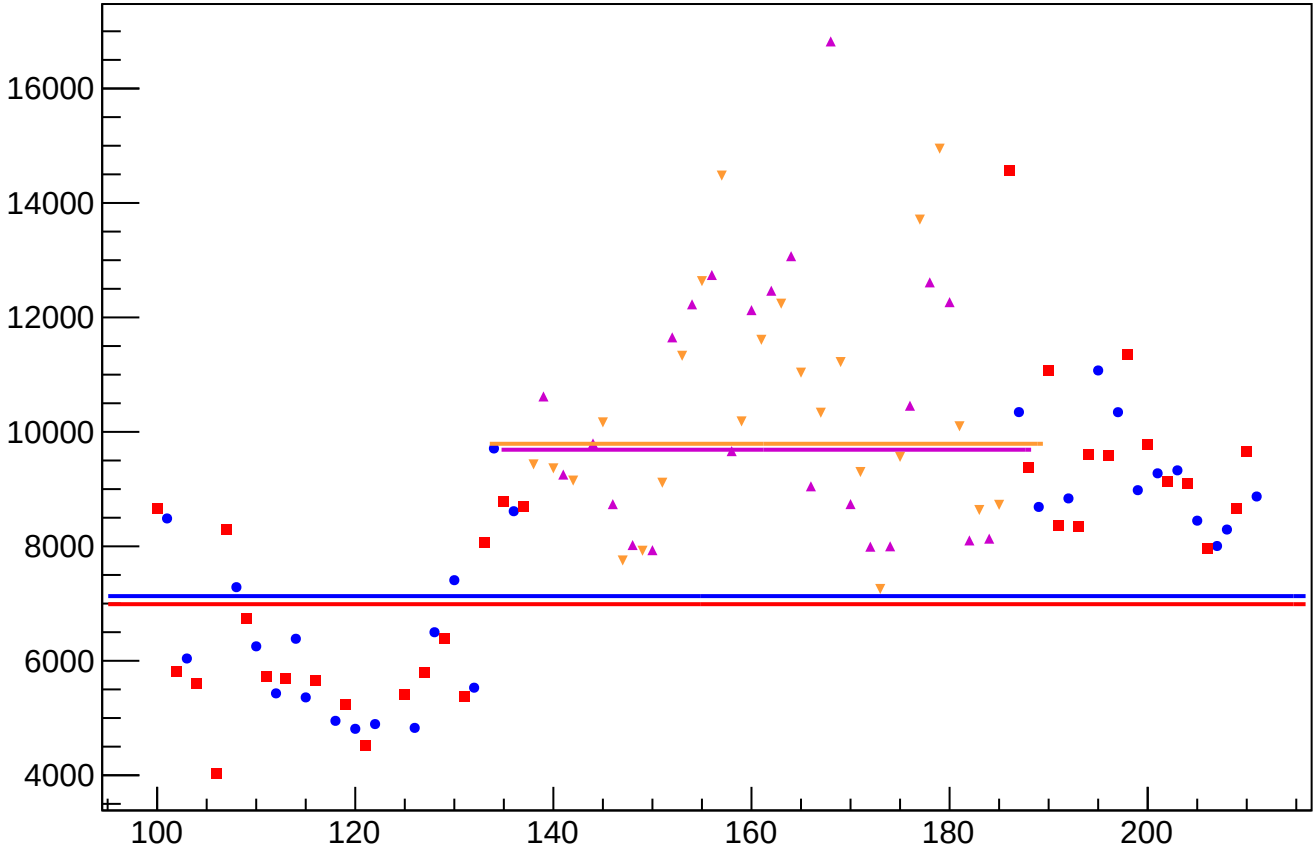
Right: -844.660+/-1247.846 χ^2/NDF: 70.6/59

In: -402.144+/-1426.477 χ^2/NDF:42.1/50

Out: -1309.696+/-1383.777 χ^2/NDF:72.7/55

All: -869.707+/-993.231 χ^2/NDF: 115.0/106

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 7130.393+/-1.281 χ^2/NDF: 2073363.1/27

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6989.304+/-1.217 χ^2/NDF: 2785243.8/31

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

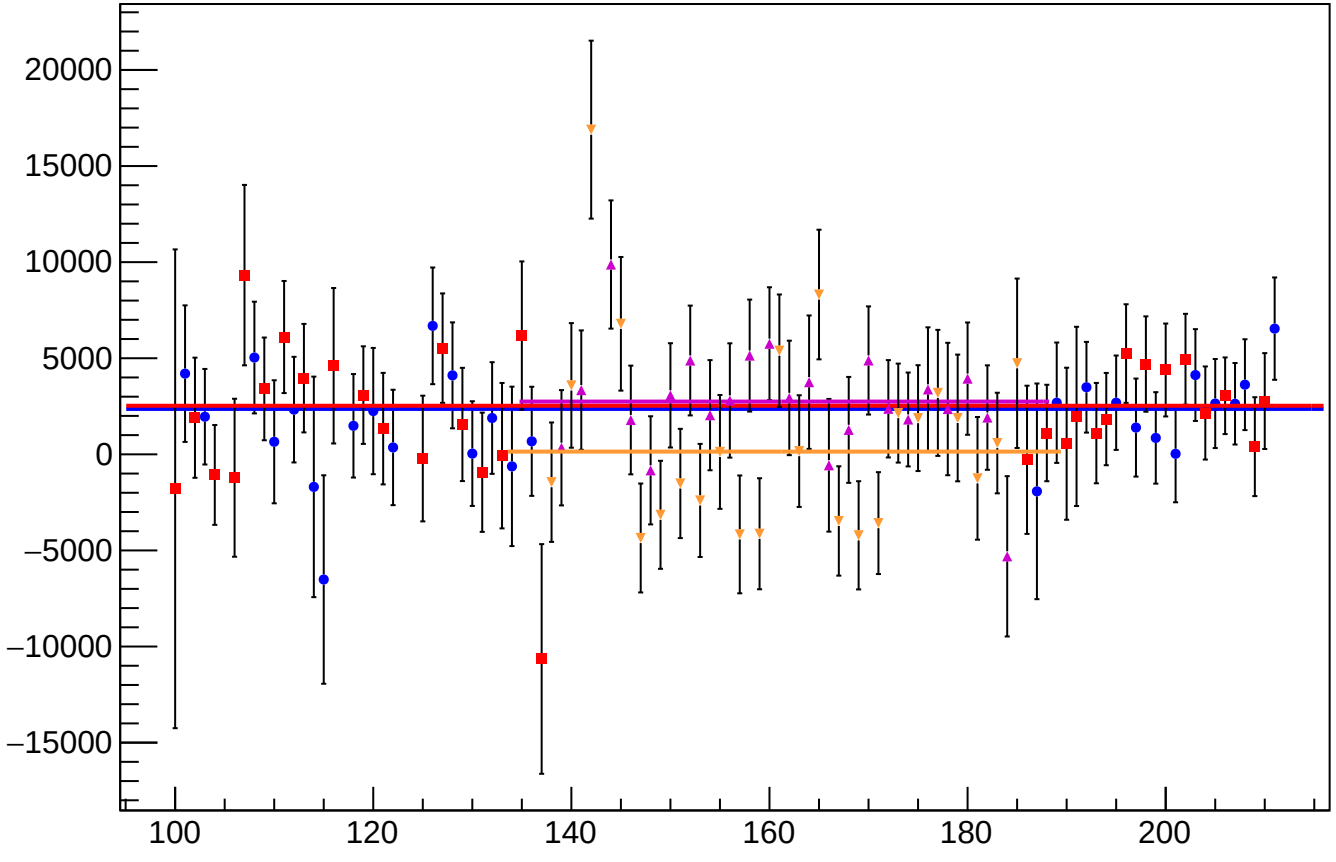
Right: 7056.257+/-0.882 χ^2/NDF: 4864982.3/59

In: 8101.993+/-1.009 χ^2/NDF:4966290.9/50

Out: 7981.088+/-0.978 χ^2/NDF:5880459.7/55

All: 8039.704+/-0.702 χ^2/NDF: 10854152.8/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2362.730+/-531.336 χ^2/NDF: 14.8/27

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2527.722+/-517.397 χ^2/NDF: 22.6/31

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

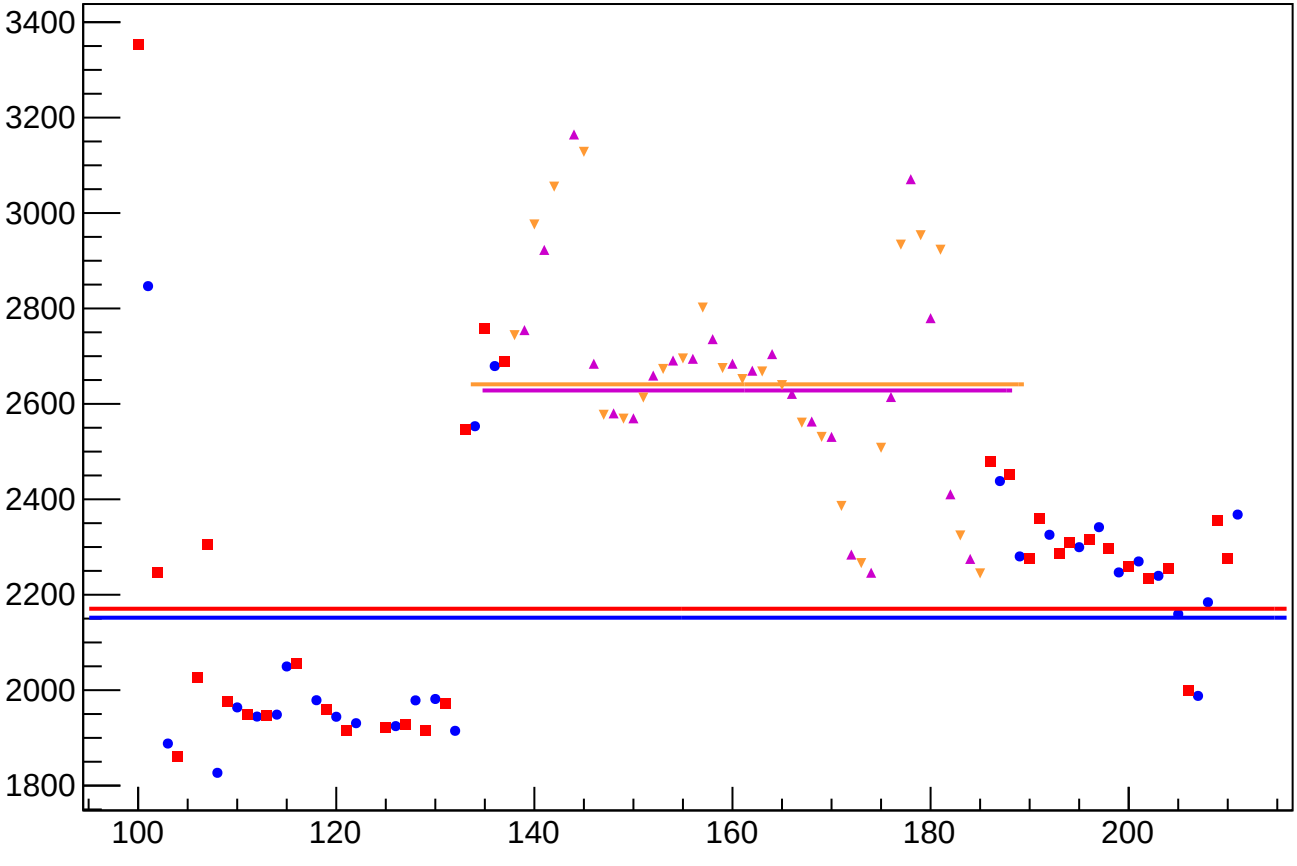
Right: 2447.418+/-370.685 χ^2/NDF: 37.4/59

In: 2526.190+/-402.376 χ^2/NDF:30.4/50

Out: 1540.552+/-396.115 χ^2/NDF:77.2/55

All: 2025.643+/-282.283 χ^2/NDF: 110.7/106

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.905+/-0.376 χ^2/NDF: 374184.3/27

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2170.673+/-0.366 χ^2/NDF: 348126.3/31

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

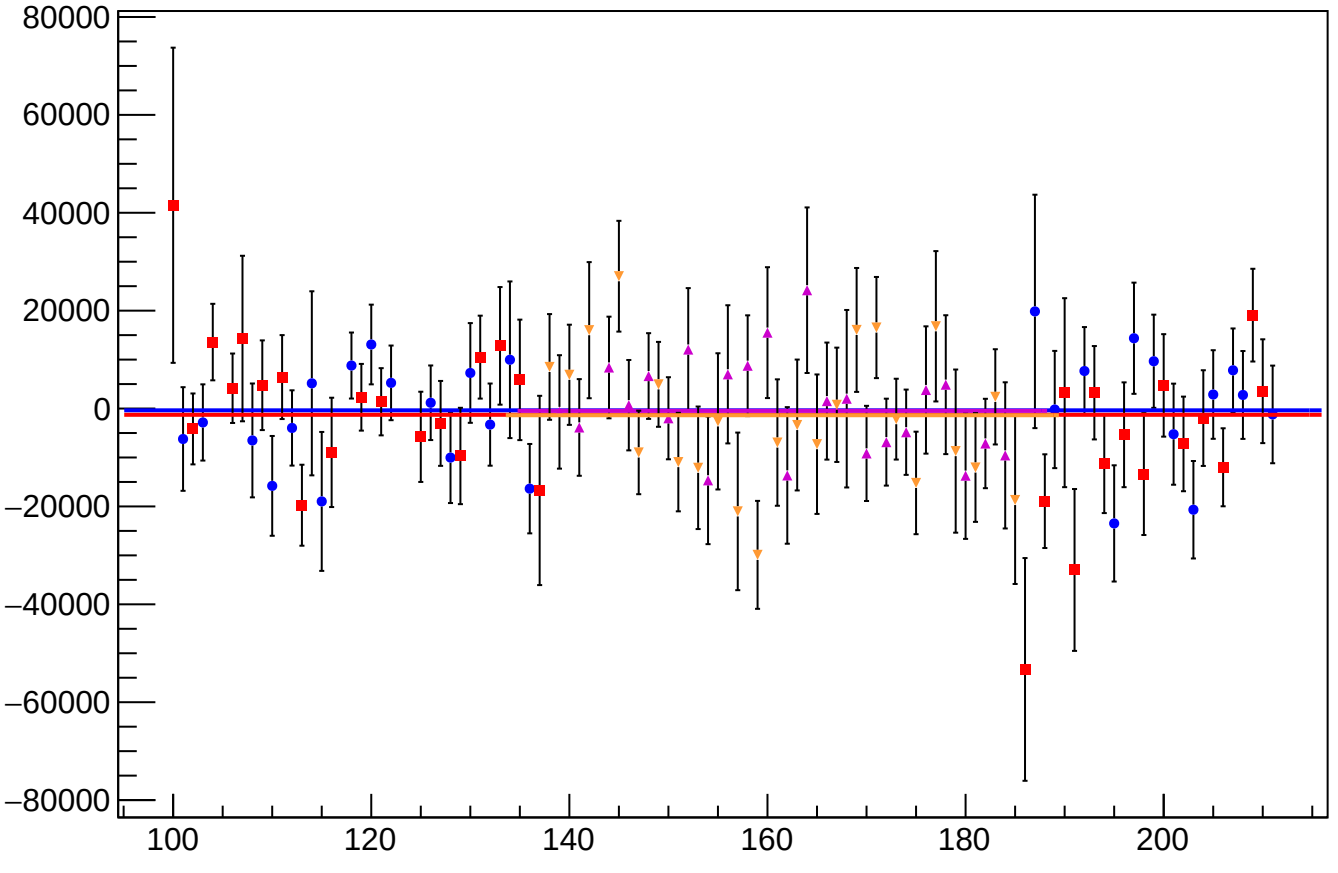
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2161.545+/-0.262 χ^2/NDF: 723592.4/59

In: 2355.013+/-0.285 χ^2/NDF:1296904.3/50

Out: 2365.168+/-0.280 χ^2/NDF:1285880.7/55

All: 2360.172+/-0.200 χ^2/NDF: 2583432.1/10



Right In: -364.386+/-1811.422 χ^2/NDF: 29.1/27

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1278.393+/-1721.452 χ^2/NDF: 41.4/31

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

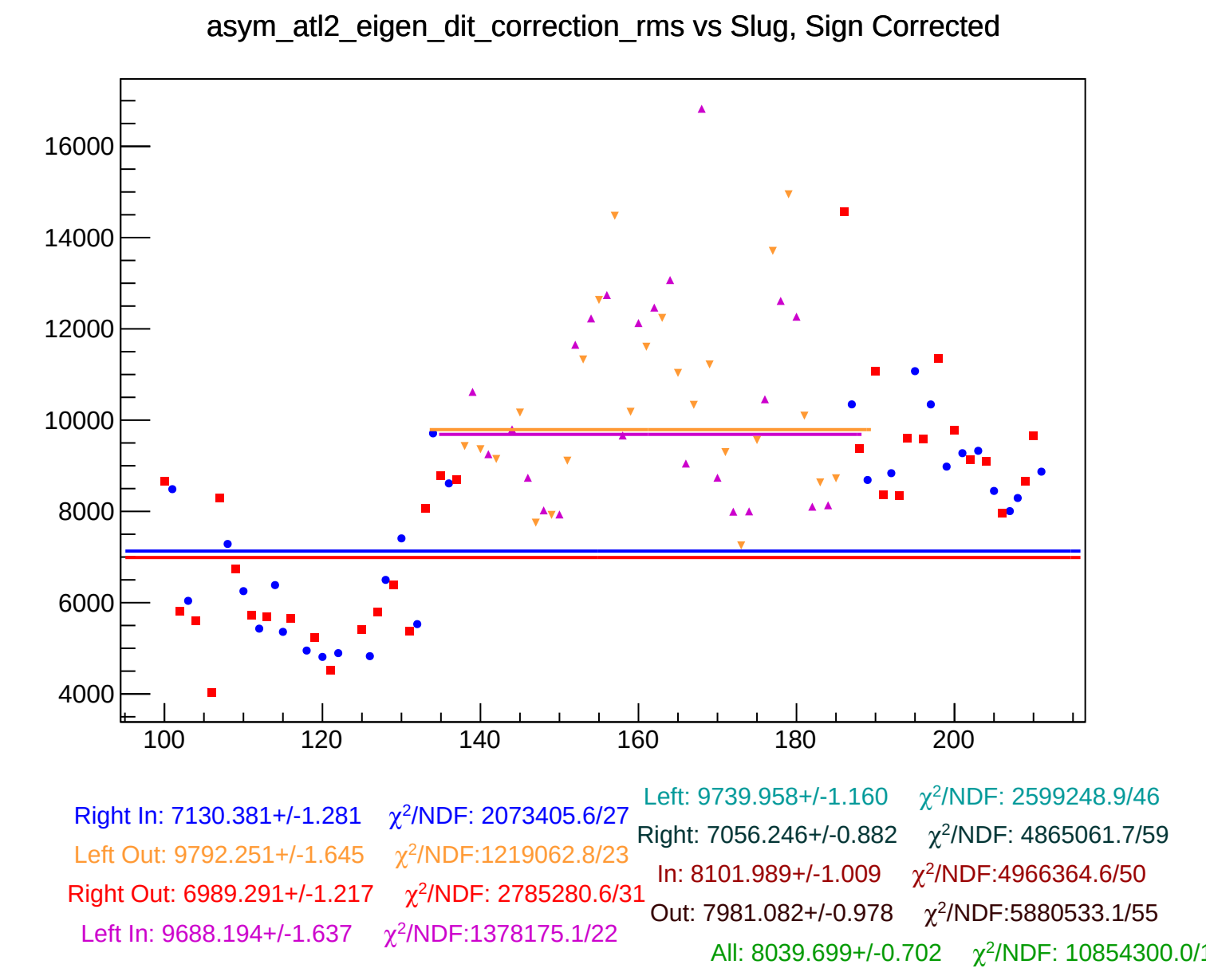
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -844.651+/-1247.845 χ^2/NDF: 70.6/59

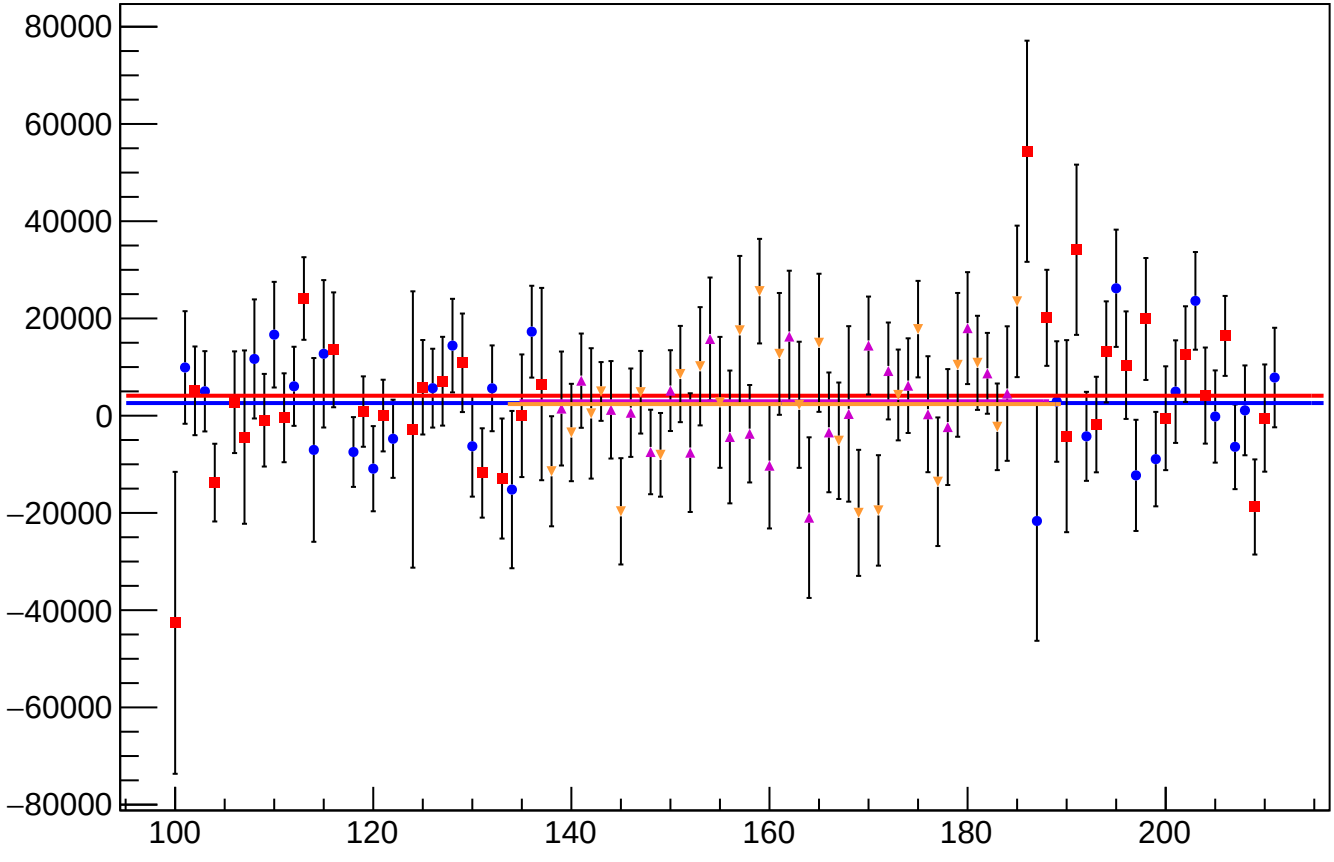
In: -402.140+/-1426.477 χ^2/NDF:42.1/50

Out: -1309.692+/-1383.777 χ^2/NDF:72.7/55

All: -869.703+/-993.231 χ^2/NDF: 115.0/106


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7130.381+/-1.281 χ²/NDF: 2073405.6/27
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6989.291+/-1.217 χ²/NDF: 2785280.6/31
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7056.246+/-0.882 χ²/NDF: 4865061.7/59
In: 8101.989+/-1.009 χ²/NDF:4966364.6/50
Out: 7981.082+/-0.978 χ²/NDF:5880533.1/55
All: 8039.699+/-0.702 χ²/NDF: 10854300.0/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2596.705+/-1888.670 χ^2/NDF: 29.2/27

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4105.760+/-1831.177 χ^2/NDF: 42.9/32

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

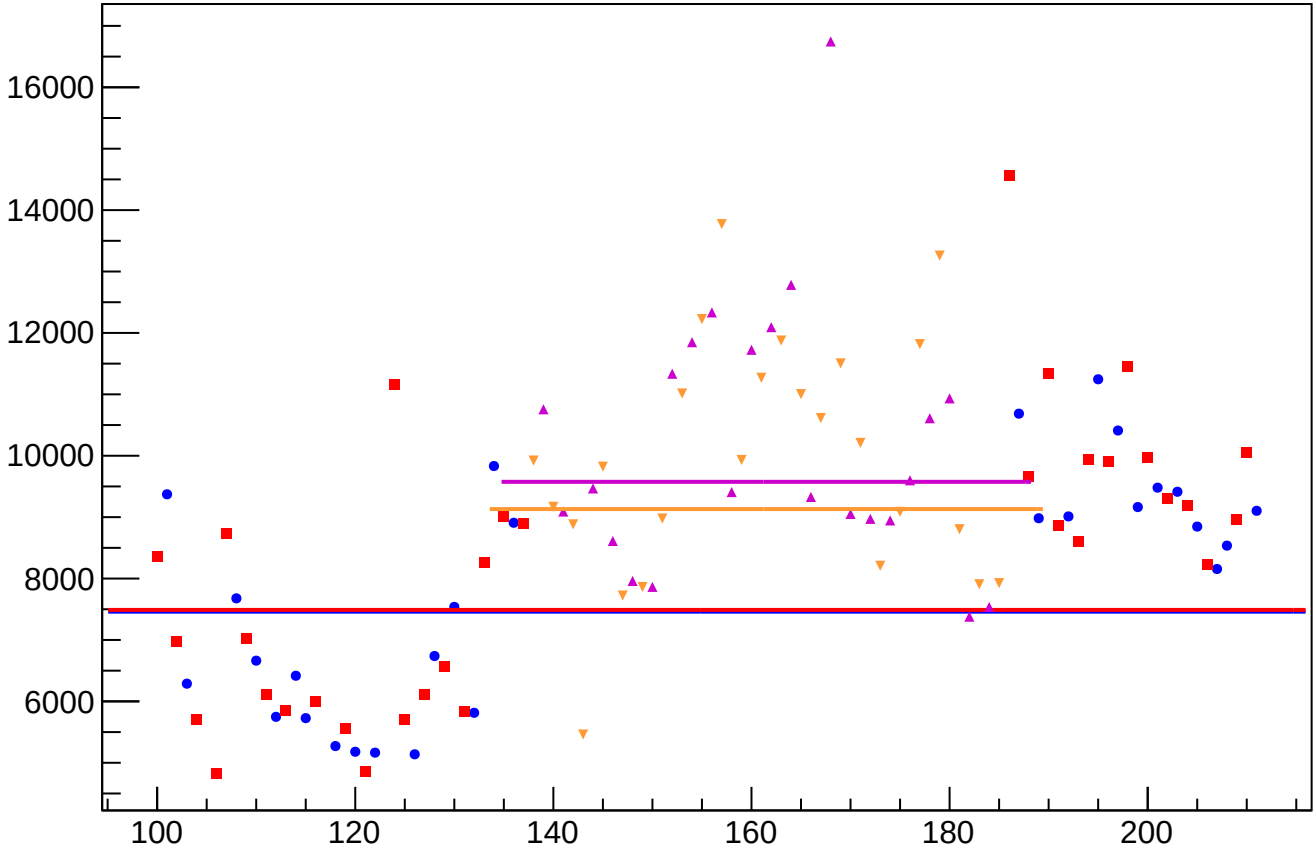
Right: 3374.551+/-1314.693 χ^2/NDF: 72.4/60

In: 2746.069+/-1454.186 χ^2/NDF:42.2/50

Out: 3378.239+/-1390.376 χ^2/NDF:73.0/57

All: 3076.328+/-1004.946 χ^2/NDF: 115.3/108

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7461.198+/-1.335 χ^2/NDF: 1843445.1/27

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7489.347+/-1.295 χ^2/NDF: 2290005.5/32

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

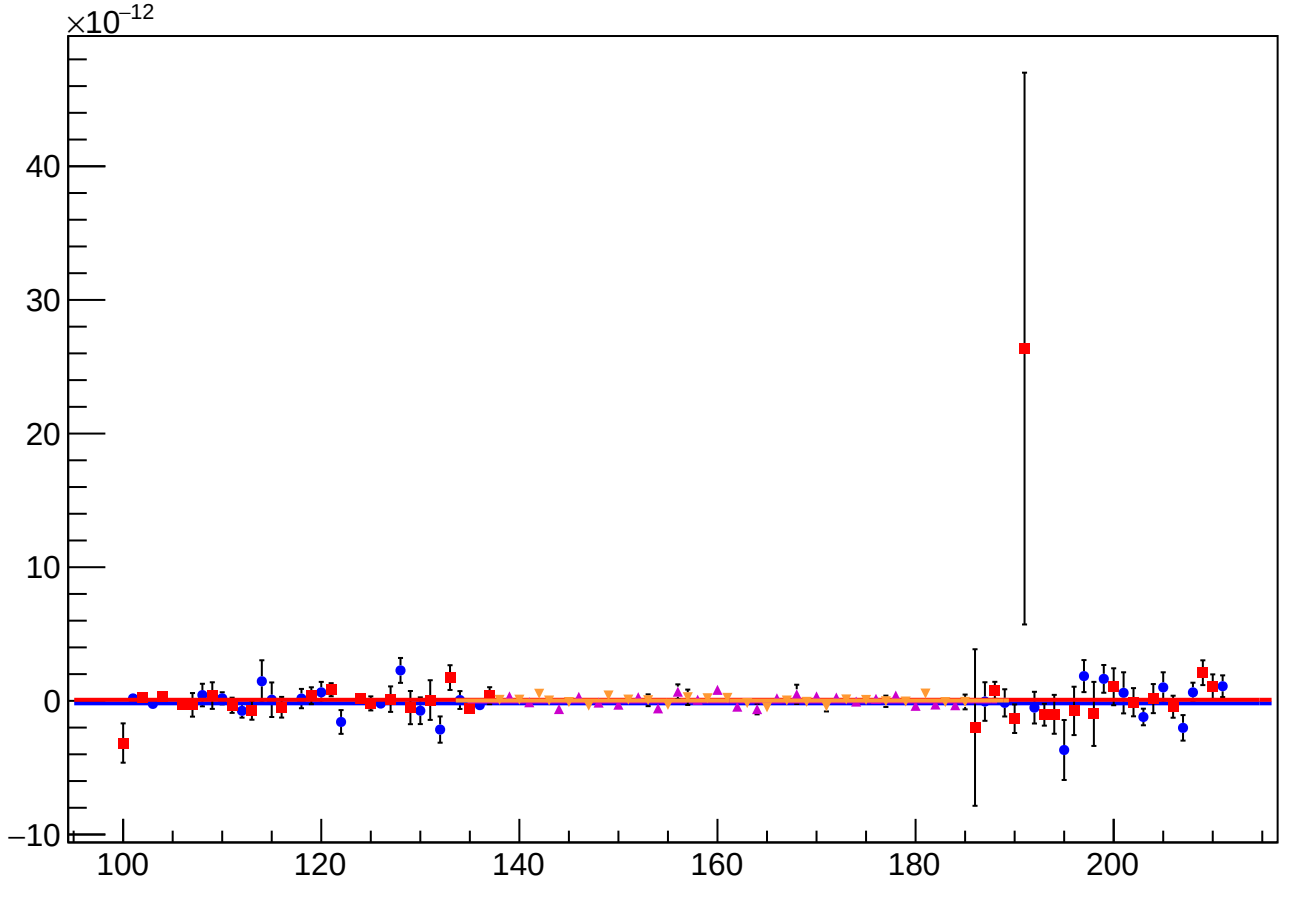
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7475.708+/-0.930 χ^2/NDF: 4133679.6/60

In: 8321.975+/-1.028 χ^2/NDF:4017532.8/50

Out: 8184.878+/-0.983 χ^2/NDF:4782996.1/57

All: 8250.353+/-0.711 χ^2/NDF: 8809815.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/32

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

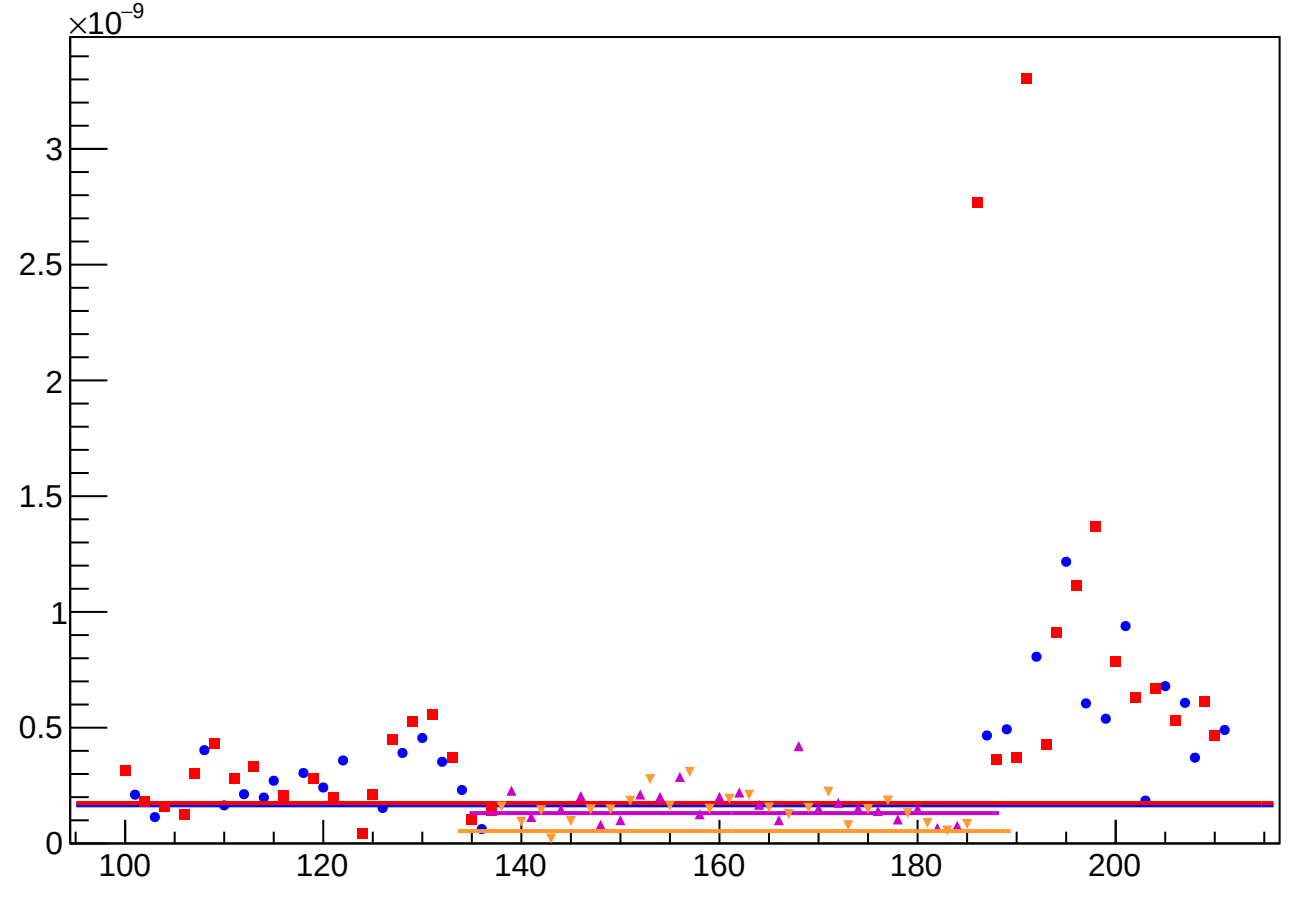
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 80.6/60

In: -0.000+/-0.000 χ^2/NDF:79.5/50

Out: 0.000+/-0.000 χ^2/NDF:53.5/57

All: -0.000+/-0.000 χ^2/NDF: 137.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 5688522.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7287542.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

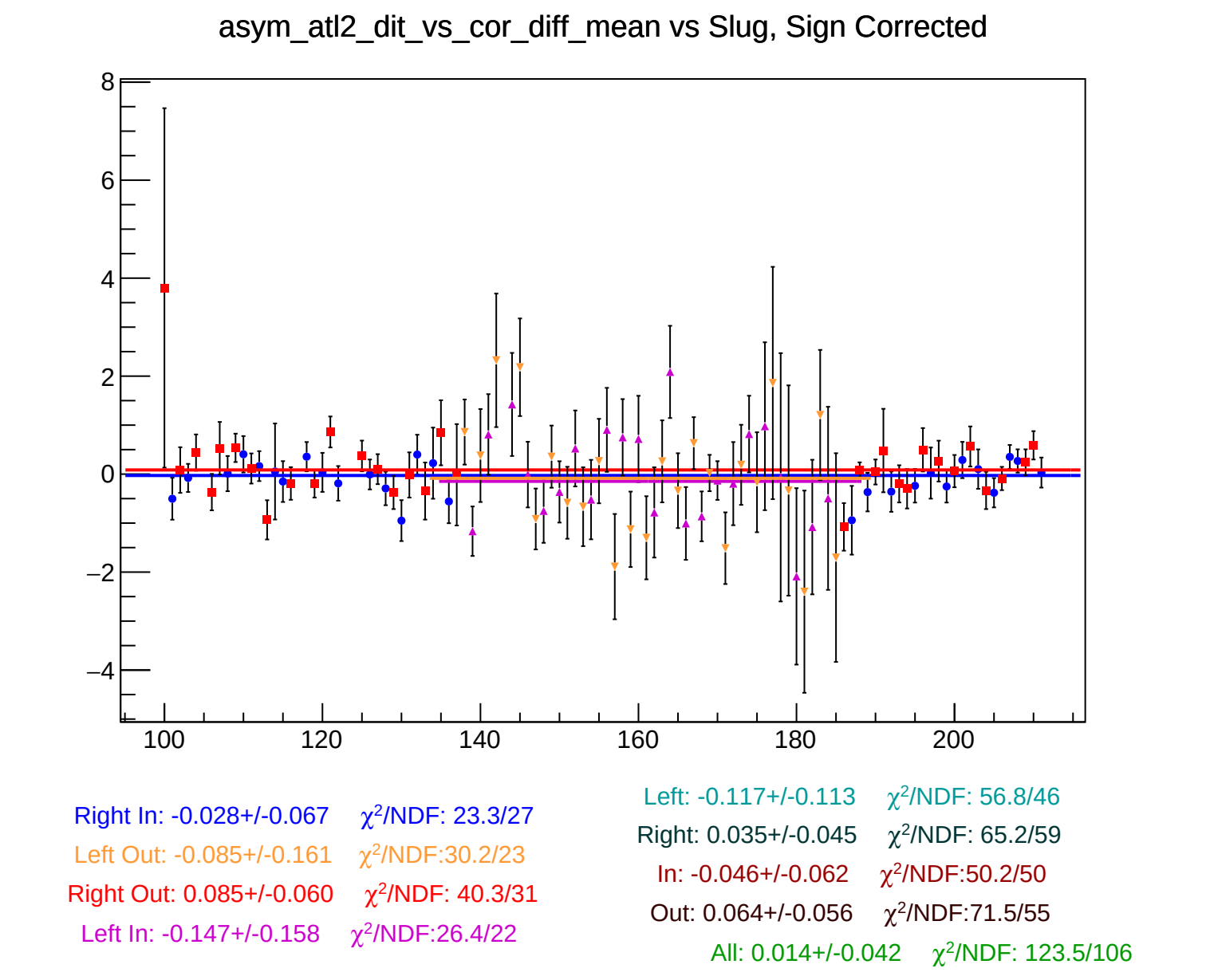
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12988347.6/60

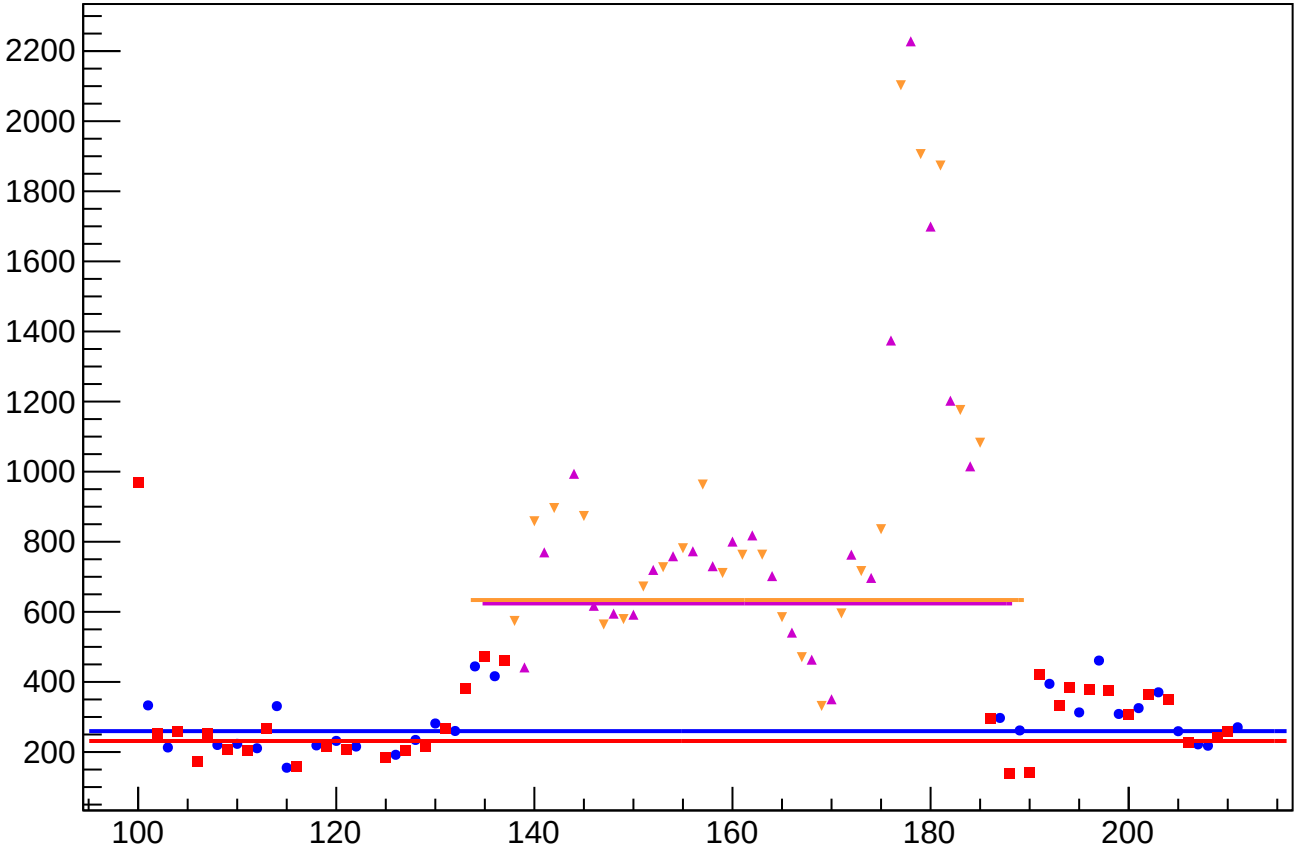
In: 0.000+/-0.000 χ^2/NDF:7796038.1/50

Out: 0.000+/-0.000 χ^2/NDF:17753709.9/57

All: 0.000+/-0.000 χ^2/NDF: 29321705.5/108


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: -0.028+/-0.067 χ²/NDF: 23.3/27
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.085+/-0.060 χ²/NDF: 40.3/31
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.035+/-0.045 χ²/NDF: 65.2/59
In: -0.046+/-0.062 χ²/NDF:50.2/50
Out: 0.064+/-0.056 χ²/NDF:71.5/55
All: 0.014+/-0.042 χ²/NDF: 123.5/106

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 259.610+/-0.048 χ^2/NDF: 1850332.2/27

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 231.469+/-0.042 χ^2/NDF: 3431318.2/31

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

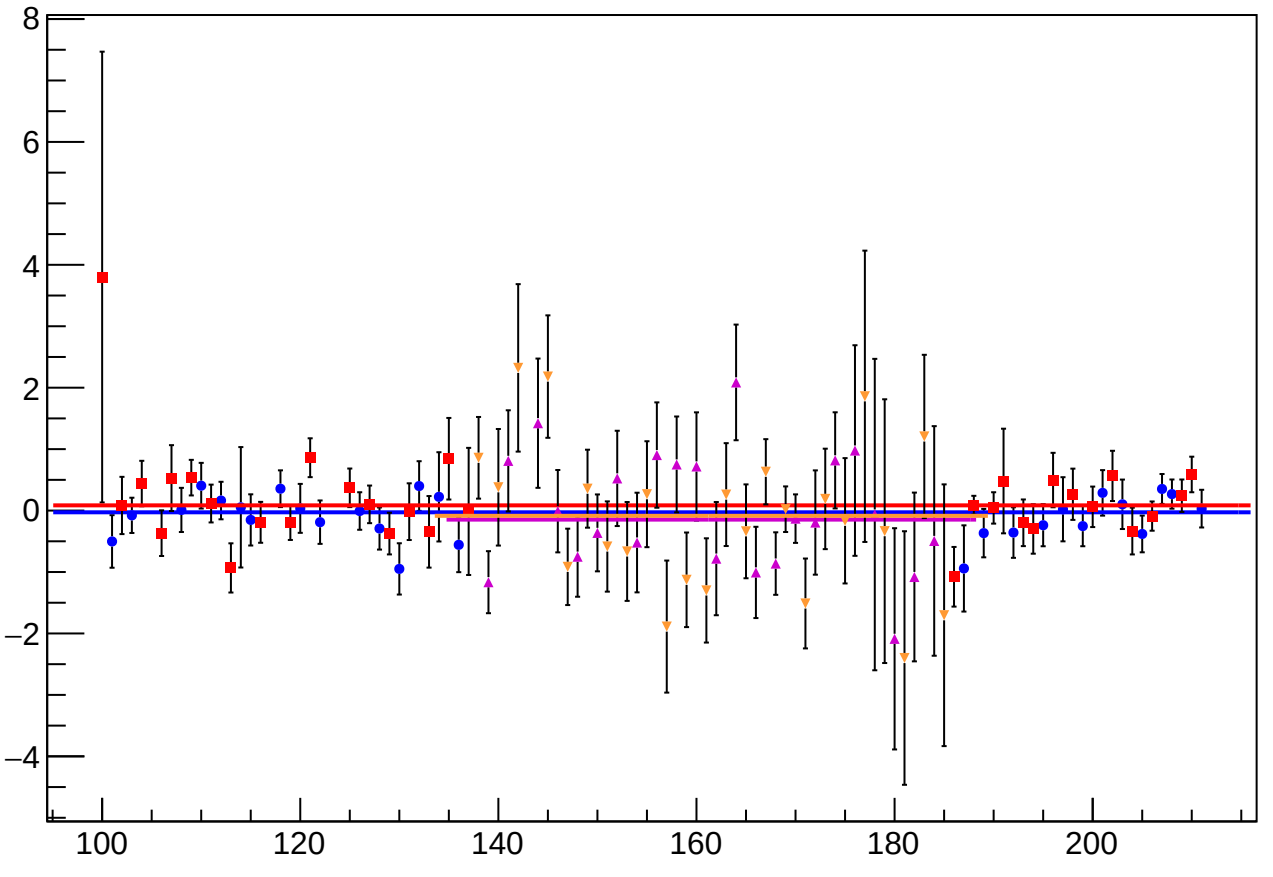
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.894+/-0.032 χ^2/NDF: 5475794.1/59

In: 315.709+/-0.044 χ^2/NDF:15363207.1/50

Out: 280.312+/-0.040 χ^2/NDF:19332829.8/55

All: 296.271+/-0.029 χ^2/NDF: 35053045.8/10



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.085+/-0.060 χ^2/NDF: 40.3/31

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

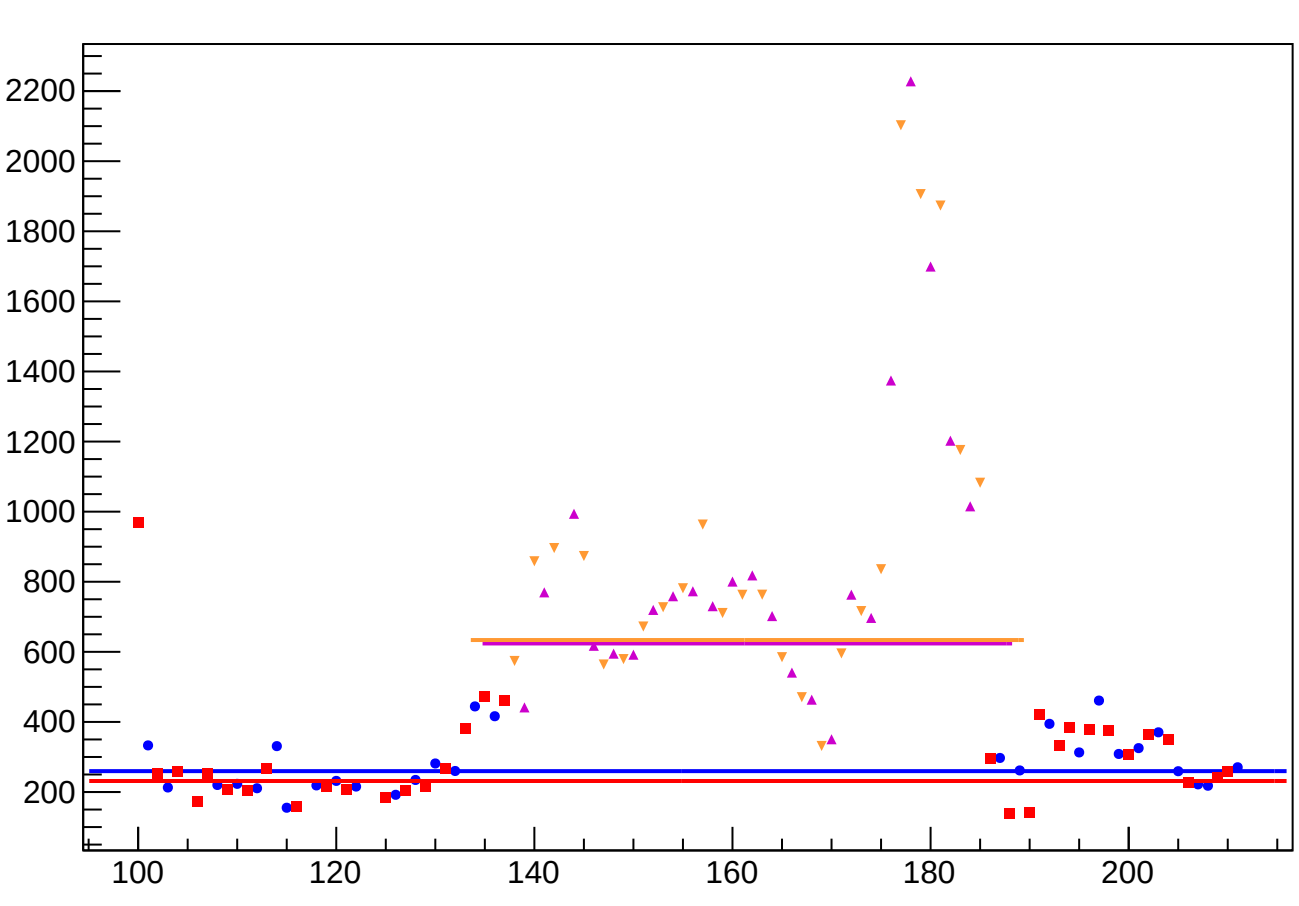
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.035+/-0.045 χ^2/NDF: 65.2/59

In: -0.046+/-0.062 χ^2/NDF:50.2/50

Out: 0.064+/-0.056 χ^2/NDF:71.5/55

All: 0.014+/-0.042 χ^2/NDF: 123.5/106



Right In: 259.610+/-0.048 χ^2/NDF: 1850332.2/27

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 231.469+/-0.042 χ^2/NDF: 3431318.2/31

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

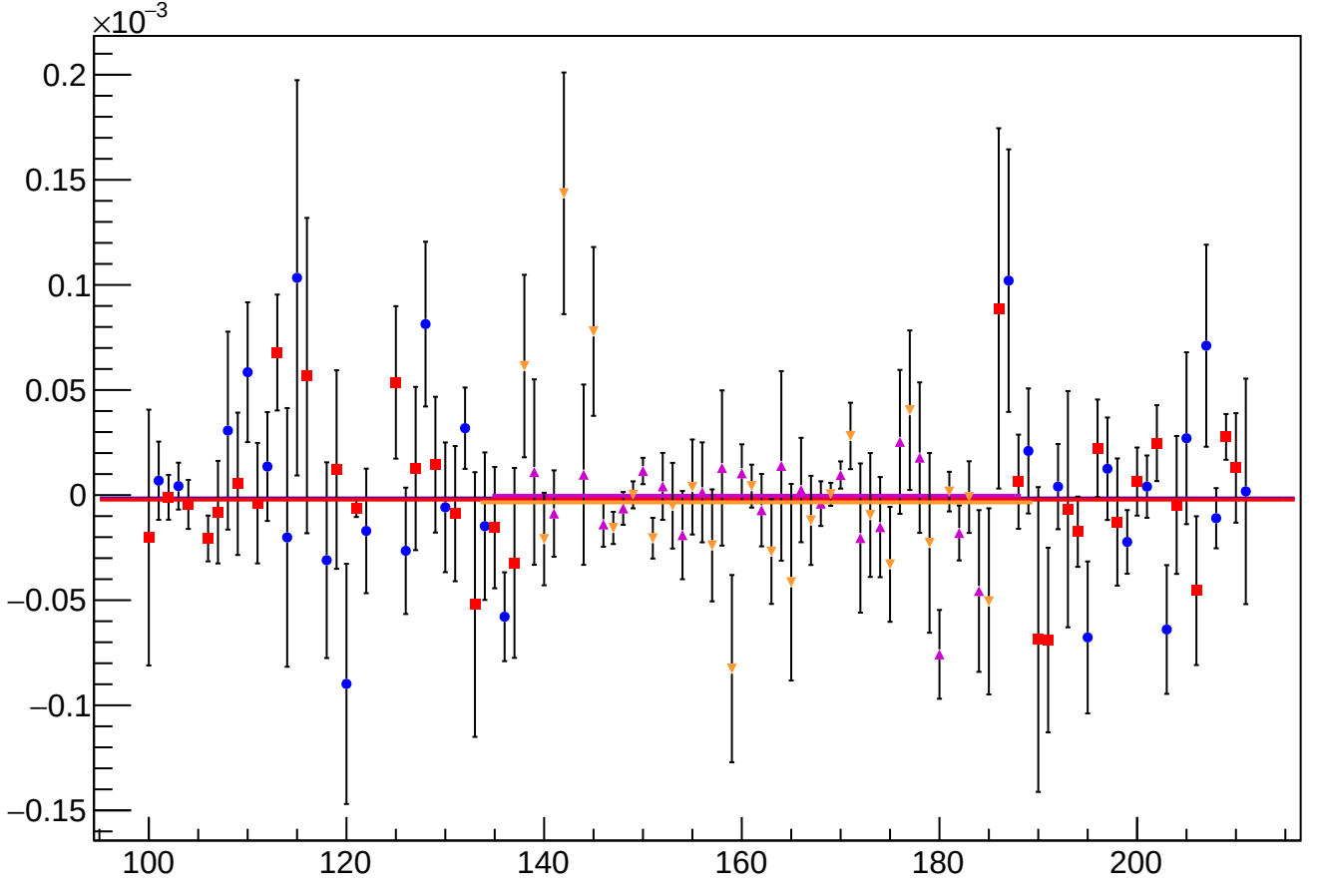
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.894+/-0.032 χ^2/NDF: 5475794.1/59

In: 315.709+/-0.044 χ^2/NDF:15363207.1/50

Out: 280.312+/-0.040 χ^2/NDF:19332829.8/55

All: 296.271+/-0.029 χ^2/NDF: 35053045.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

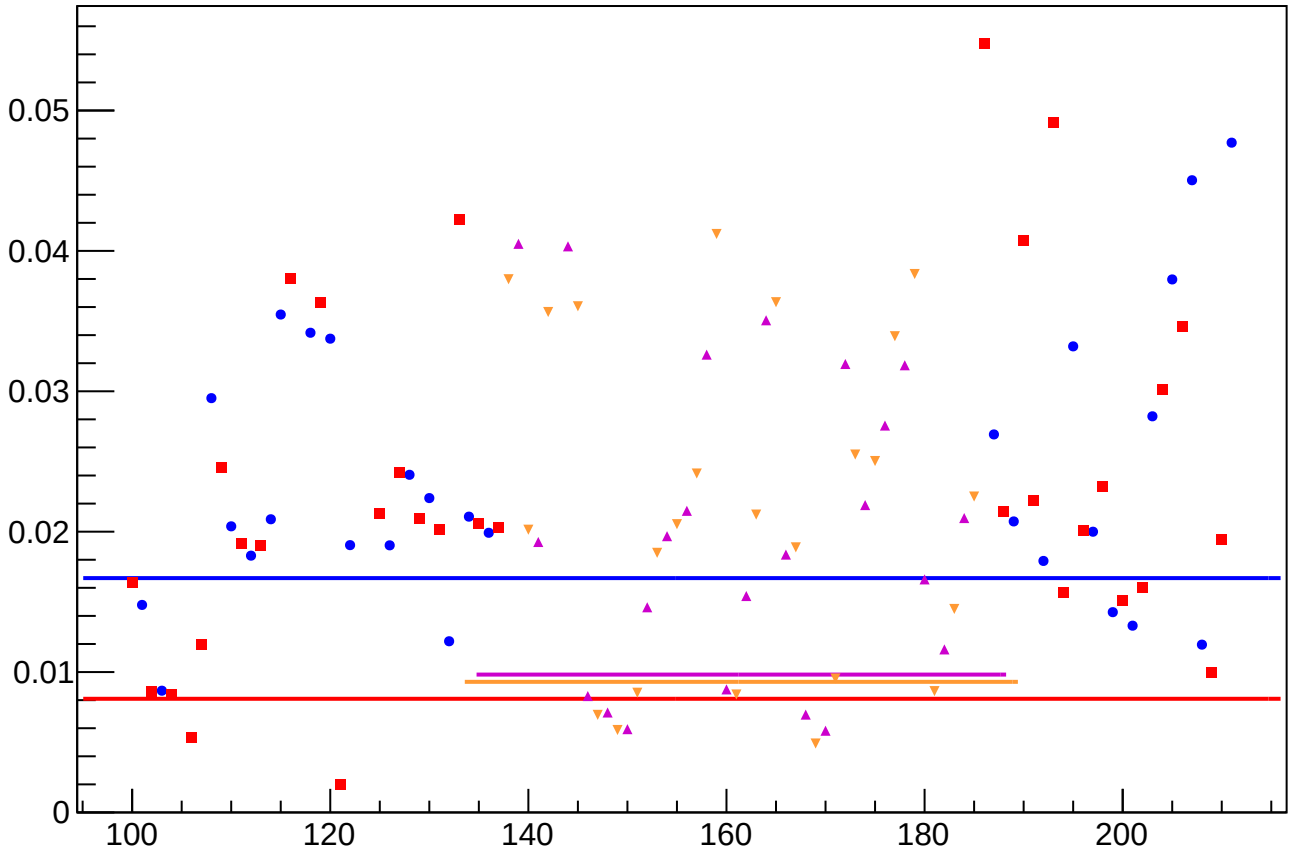
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 74.7/59

In: -0.000+/-0.000 χ^2/NDF:68.8/50

Out: -0.000+/-0.000 χ^2/NDF:68.2/55

All: -0.000+/-0.000 χ^2/NDF: 137.5/106



Right In: 0.017+/-0.000 χ^2/NDF: 5250943.8/27

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16885877.3/31

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

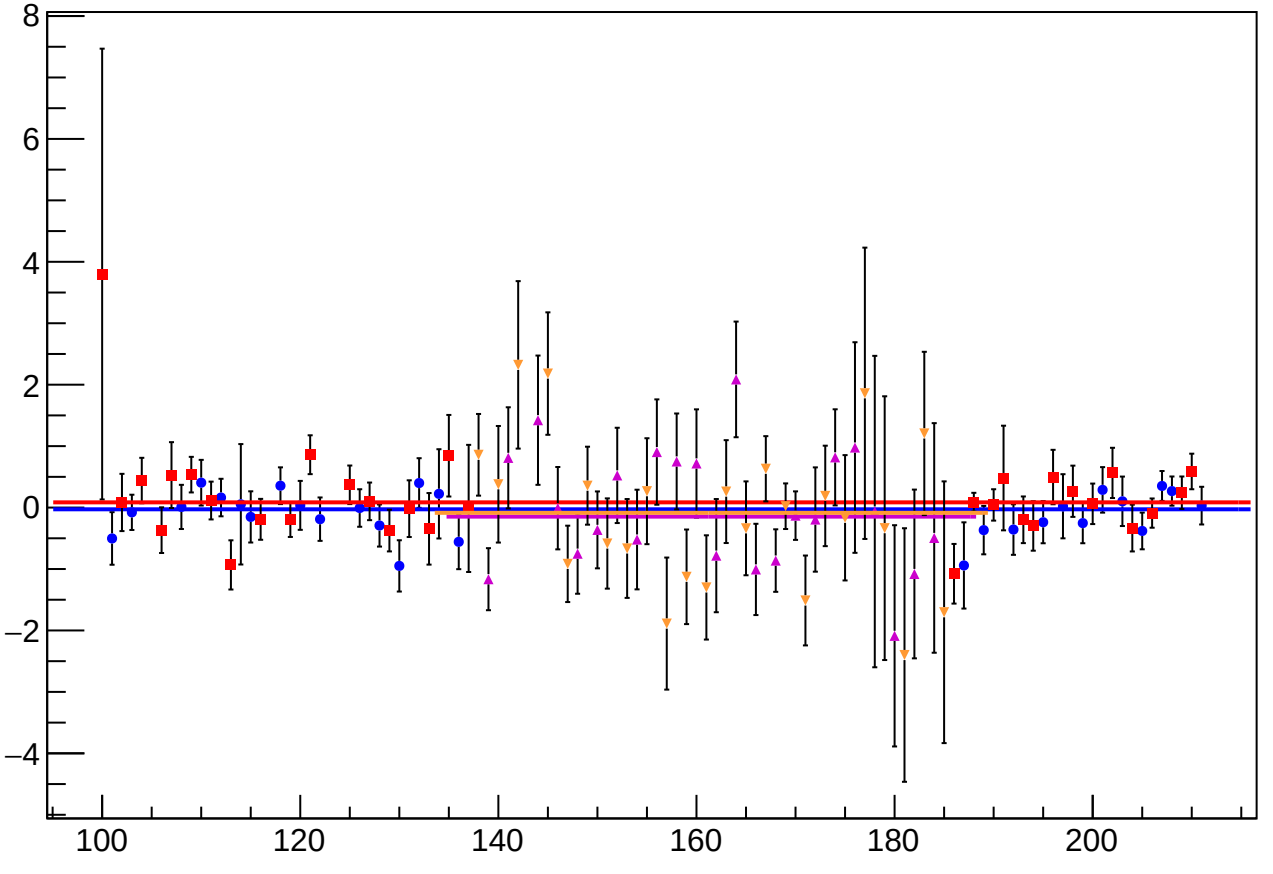
Right: 0.010+/-0.000 χ^2/NDF: 27203912.4/59

In: 0.012+/-0.000 χ^2/NDF:18748082.3/50

Out: 0.009+/-0.000 χ^2/NDF:29298317.4/55

All: 0.010+/-0.000 χ^2/NDF: 49930388.4/106

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.085+/-0.060 χ^2/NDF: 40.3/31

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

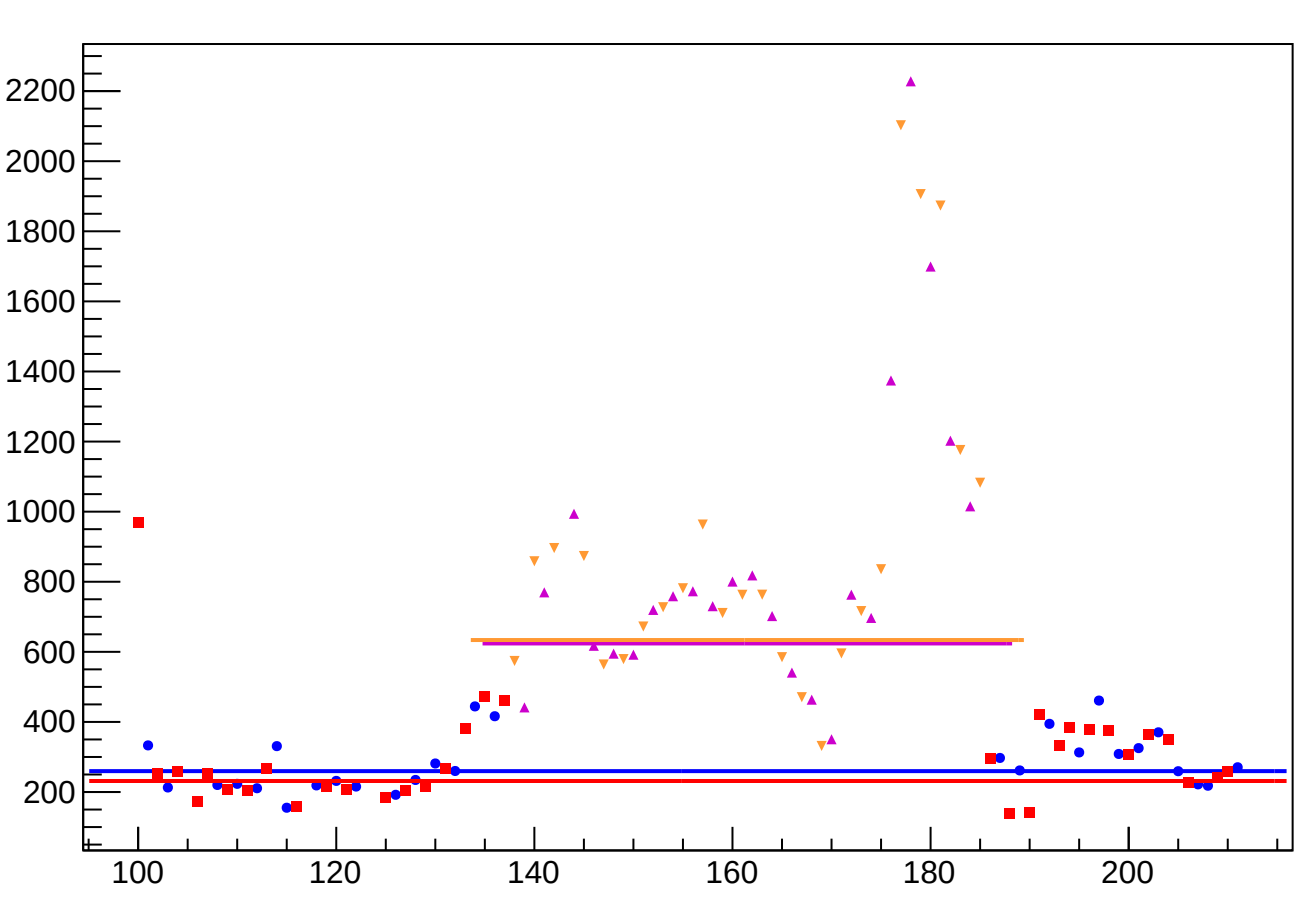
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

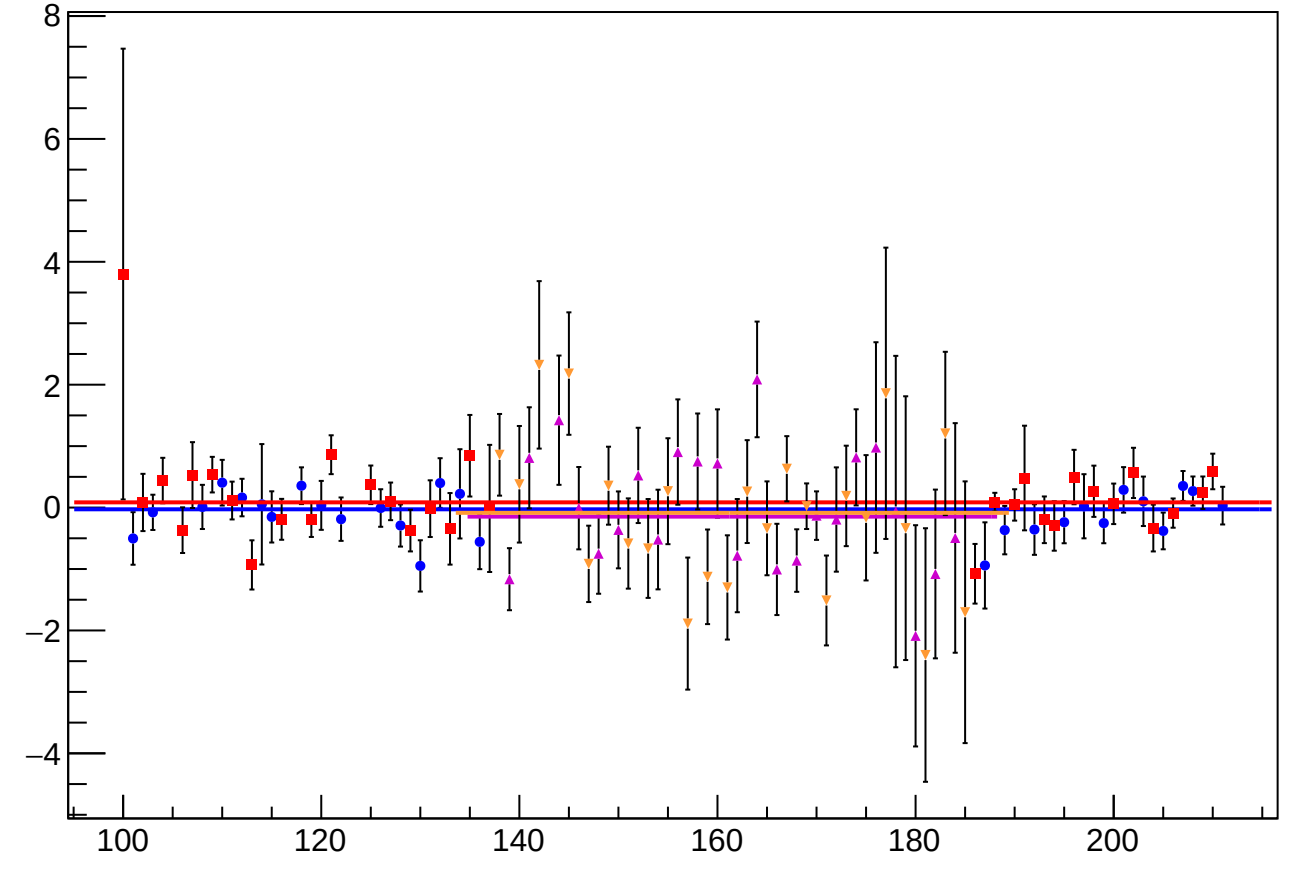
Right: 0.035+/-0.045 χ^2/NDF: 65.2/59

In: -0.046+/-0.062 χ^2/NDF:50.2/50

Out: 0.064+/-0.056 χ^2/NDF:71.5/55

All: 0.014+/-0.042 χ^2/NDF: 123.5/106


asym_atl2_eigen_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: 259.612+/-0.048 χ²/NDF: 1850310.7/27
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 231.466+/-0.042 χ²/NDF: 3431465.5/31
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 243.893+/-0.032 χ²/NDF: 5475973.1/59
In: 315.711+/-0.044 χ²/NDF:15363229.8/50
Out: 280.309+/-0.040 χ²/NDF:19333256.0/55
All: 296.270+/-0.029 χ²/NDF: 35053587.0/10



Right In: -0.028+/-0.067 χ^2/NDF: 23.3/27

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.085+/-0.060 χ^2/NDF: 40.3/31

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

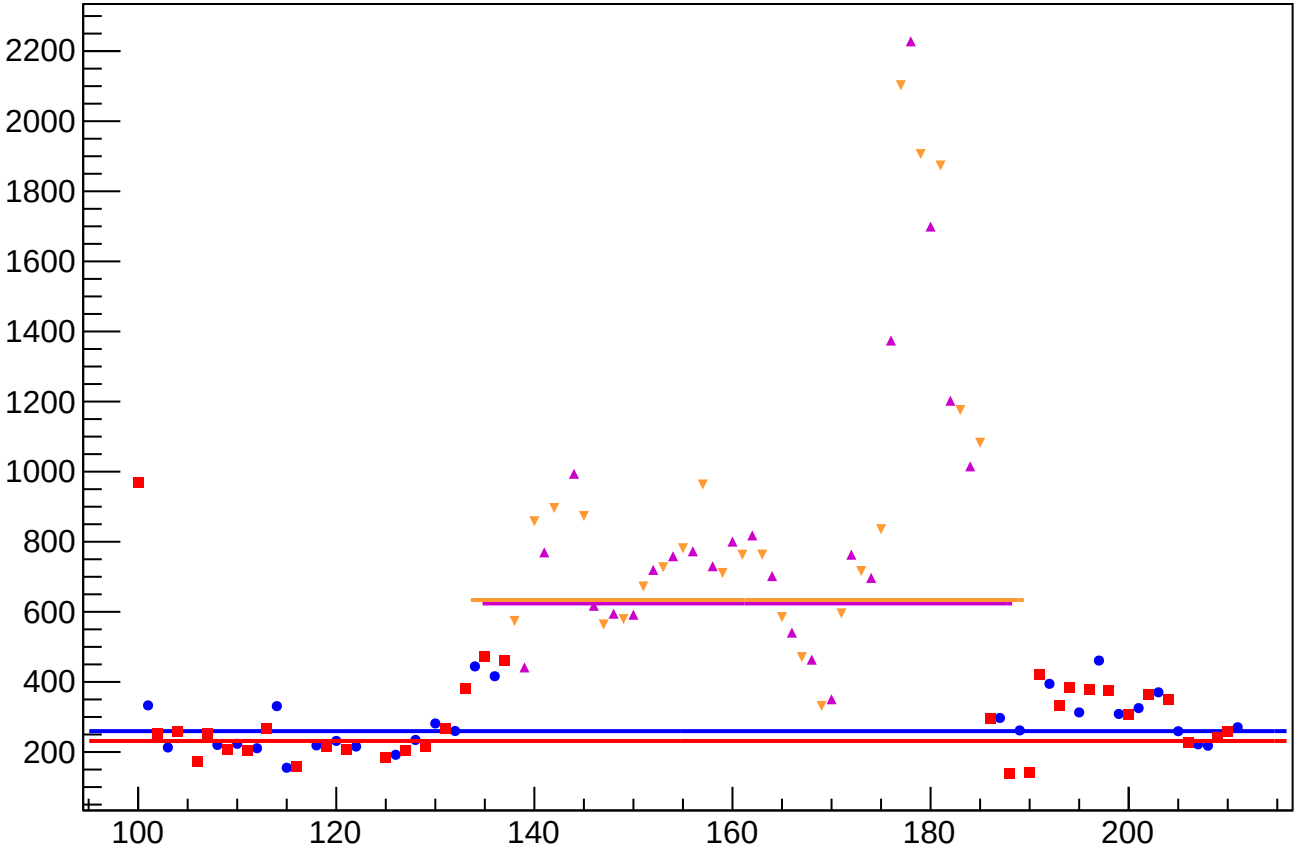
Right: 0.035+/-0.045 χ^2/NDF: 65.2/59

In: -0.046+/-0.062 χ^2/NDF:50.2/50

Out: 0.064+/-0.056 χ^2/NDF:71.5/55

All: 0.014+/-0.042 χ^2/NDF: 123.5/106

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 259.612+/-0.048 χ^2/NDF: 1850310.7/27

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 231.466+/-0.042 χ^2/NDF: 3431465.5/31

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

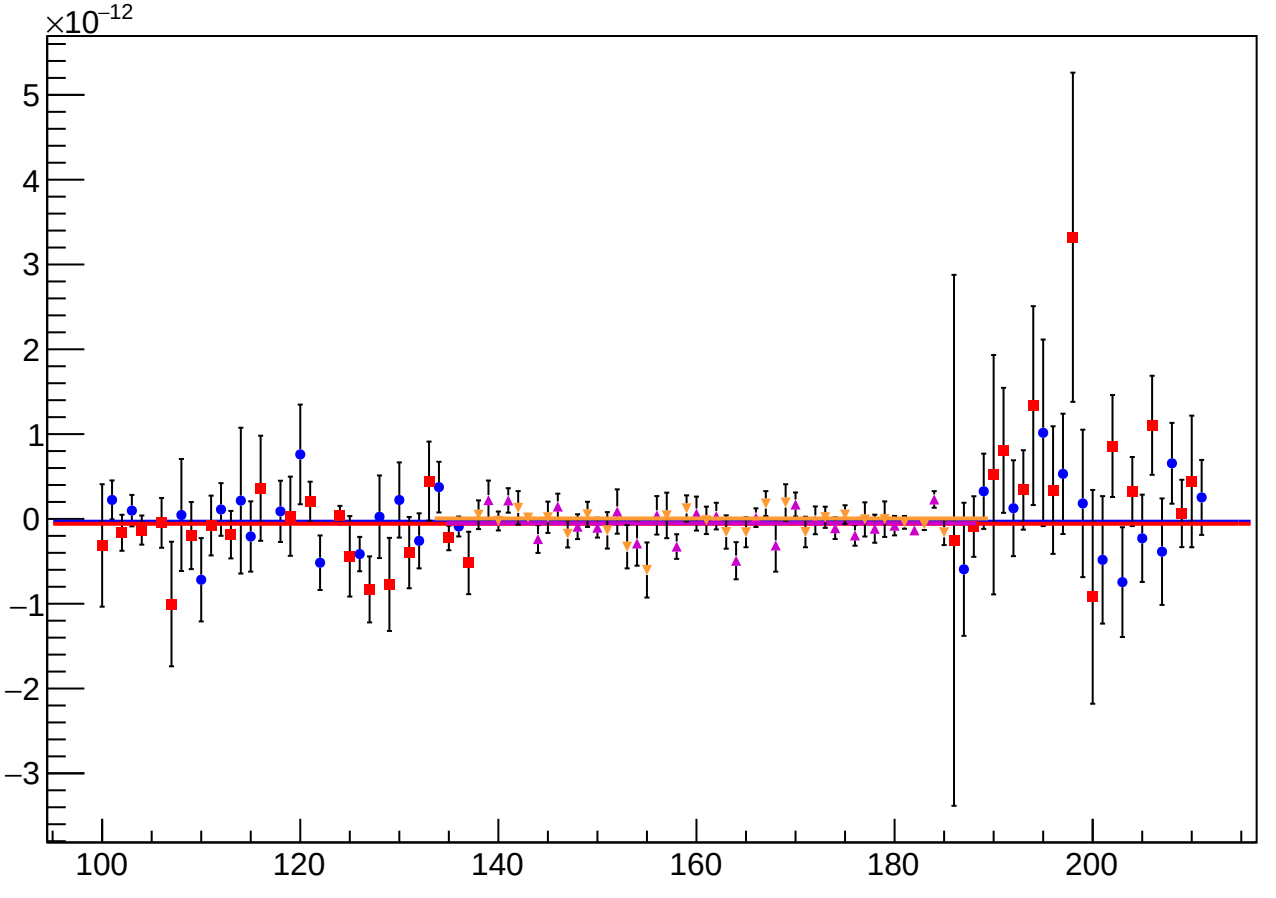
Right: 243.893+/-0.032 χ^2/NDF: 5475973.1/59

In: 315.711+/-0.044 χ^2/NDF:15363229.8/50

Out: 280.309+/-0.040 χ^2/NDF:19333256.0/55

All: 296.270+/-0.029 χ^2/NDF: 35053587.0/10

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/32

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

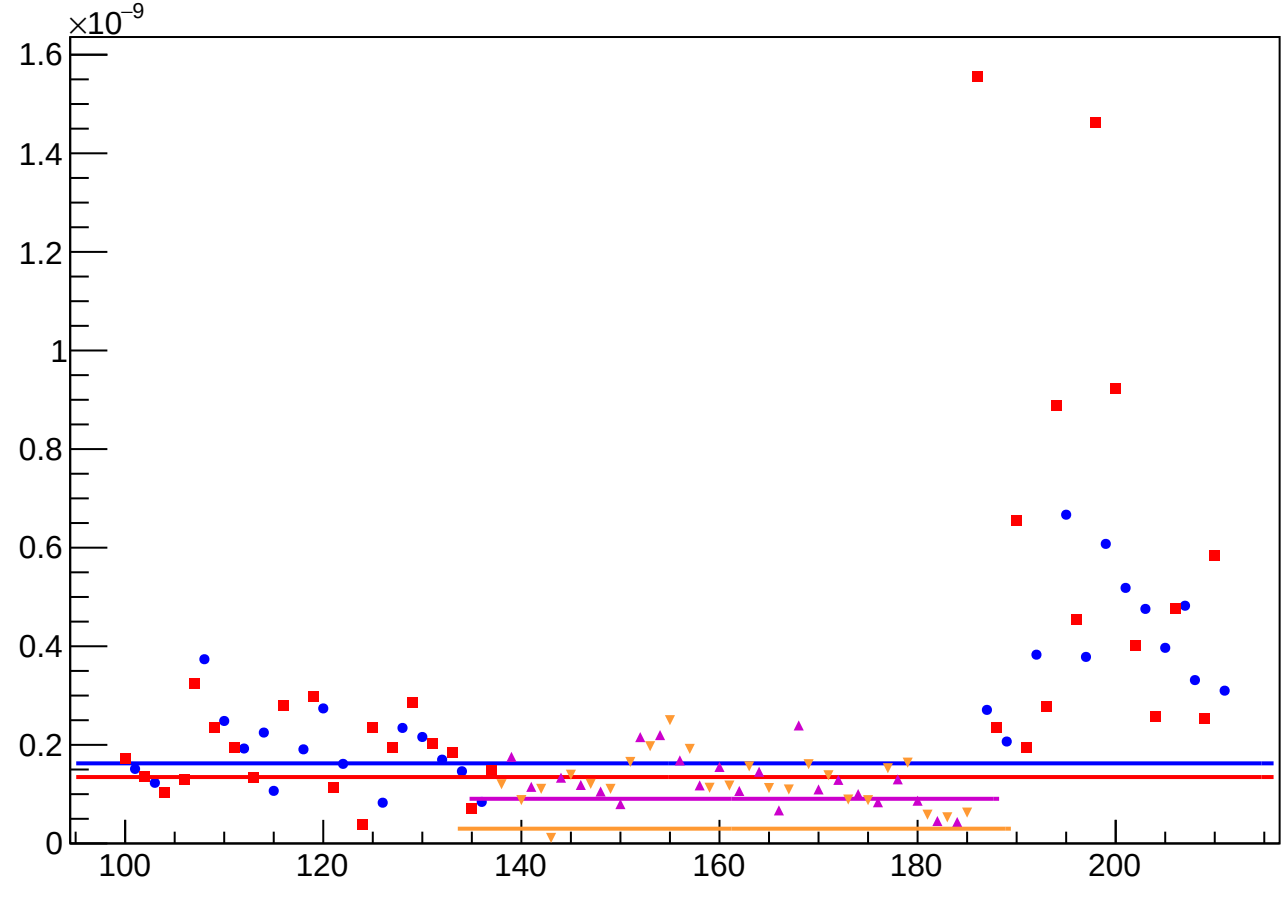
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 53.6/60

In: -0.000+/-0.000 χ^2/NDF:55.7/50

Out: 0.000+/-0.000 χ^2/NDF:48.3/57

All: -0.000+/-0.000 χ^2/NDF: 107.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 5611505.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9156376.1/32

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

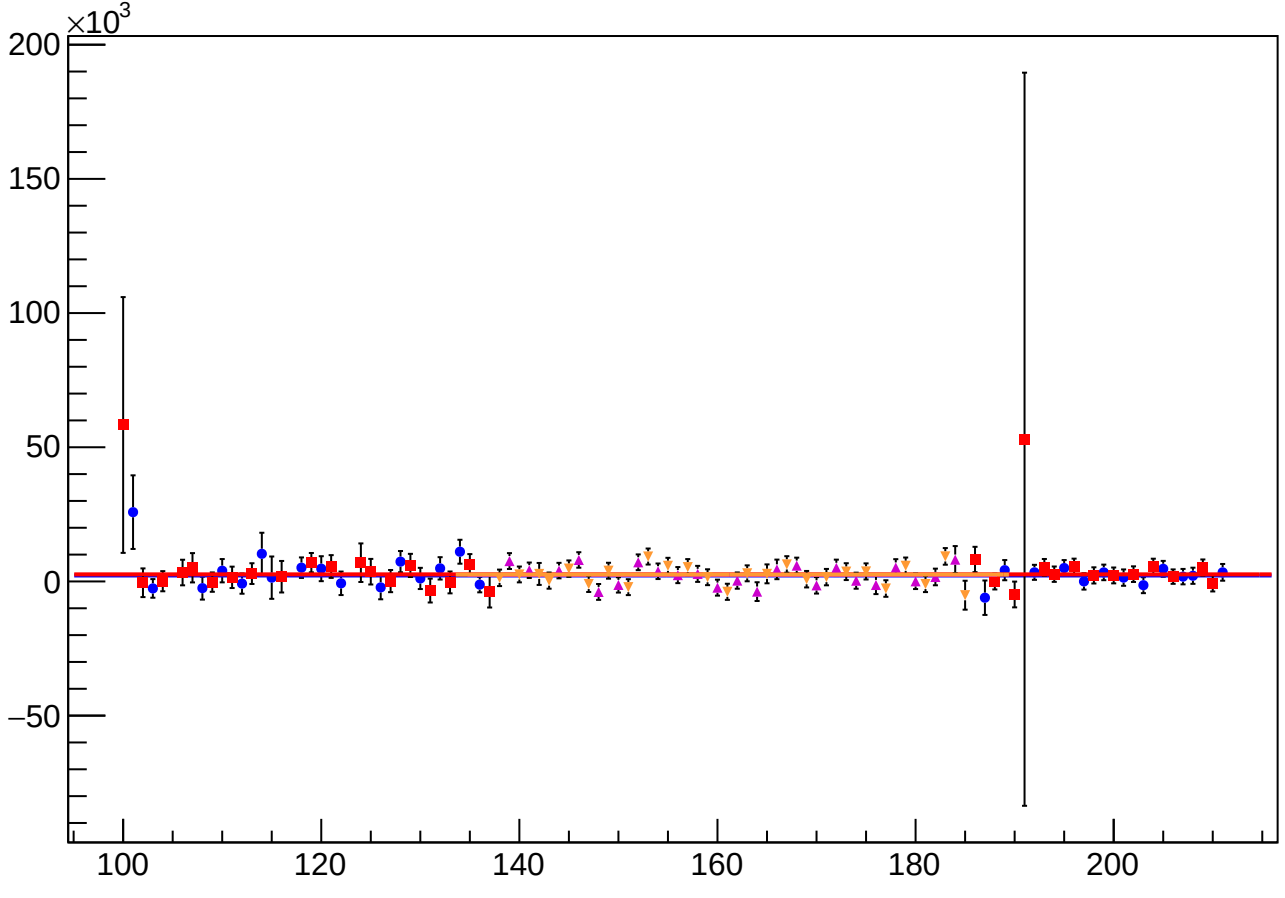
Right: 0.000+/-0.000 χ^2/NDF: 14987858.1/60

In: 0.000+/-0.000 χ^2/NDF:12515696.3/50

Out: 0.000+/-0.000 χ^2/NDF:33143257.8/57

All: 0.000+/-0.000 χ^2/NDF: 56373591.0/108

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2219.539+/-689.209 χ^2/NDF: 23.9/27

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2641.040+/-662.969 χ^2/NDF: 20.0/32

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

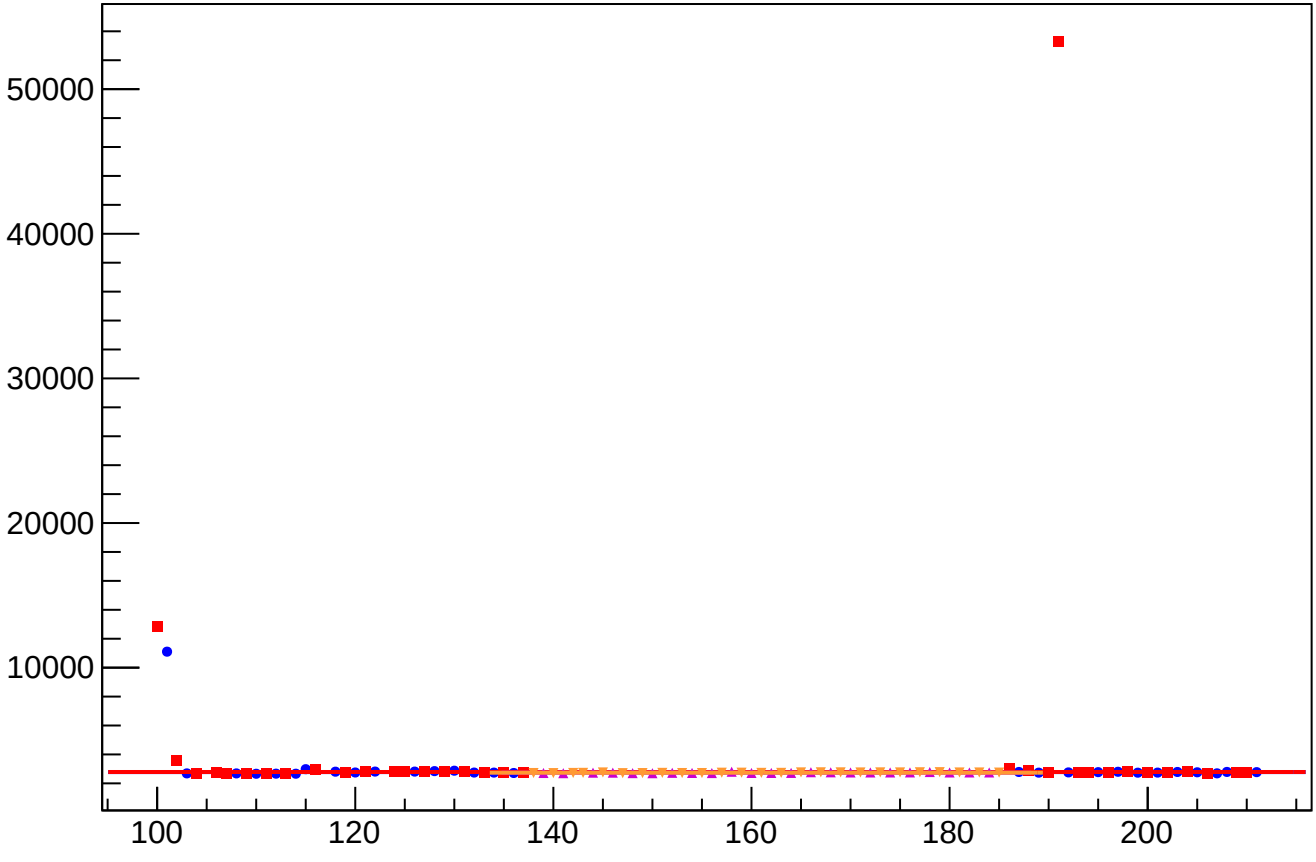
Right: 2438.466+/-477.797 χ^2/NDF: 44.1/60

In: 2320.949+/-468.873 χ^2/NDF:55.3/50

Out: 2596.240+/-453.547 χ^2/NDF:51.6/57

All: 2463.167+/-325.990 χ^2/NDF: 107.1/108

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.463+/-0.487 χ^2/NDF: 750460.3/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2785.771+/-0.469 χ^2/NDF: 481492.7/32

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

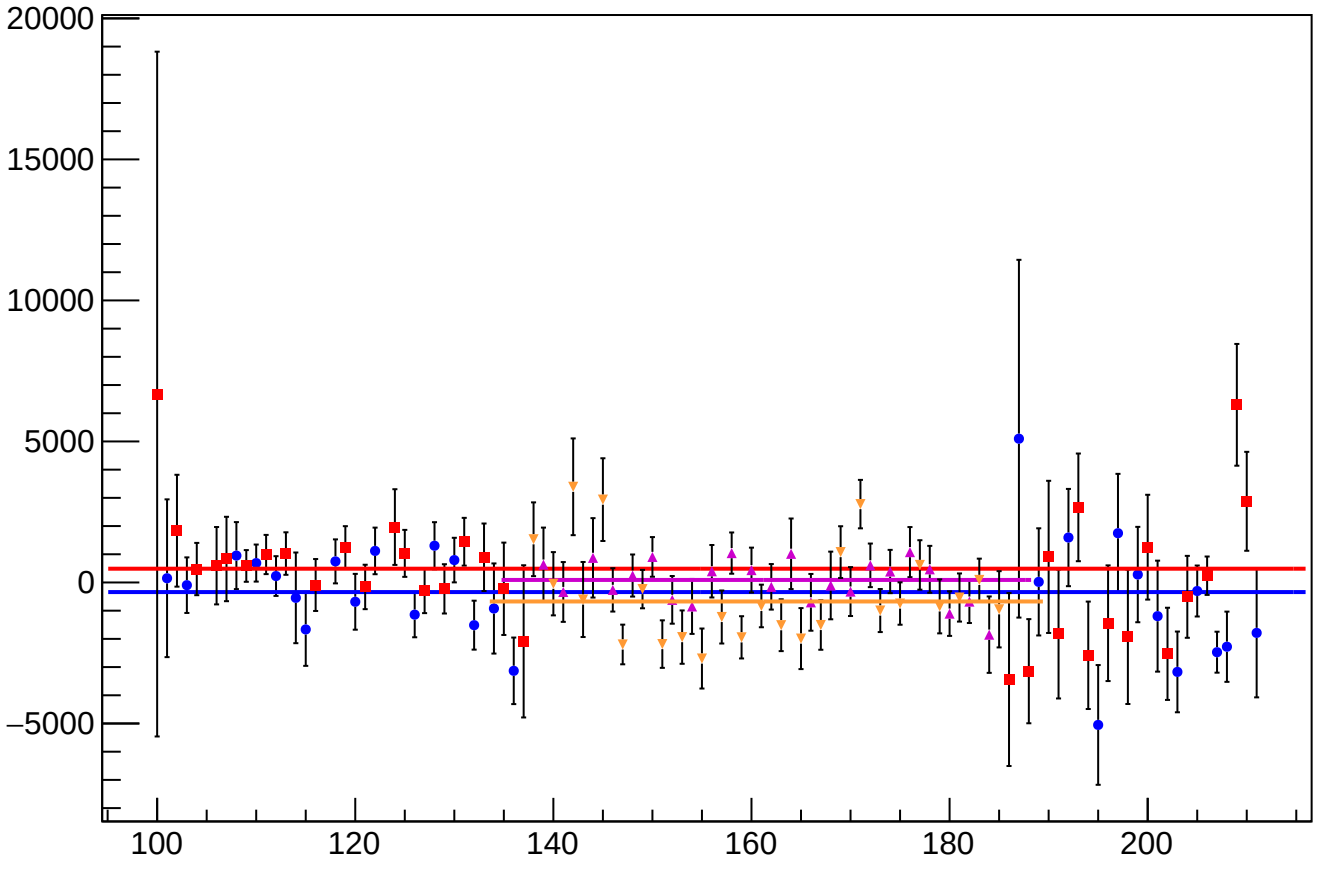
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.739+/-0.338 χ^2/NDF: 1232040.0/60

In: 2758.191+/-0.332 χ^2/NDF:757369.1/50

Out: 2760.101+/-0.321 χ^2/NDF:489446.3/57

All: 2759.178+/-0.231 χ^2/NDF: 1246832.5/10



Right In: -340.547+/-202.100 χ^2/NDF: 48.7/27

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 487.973+/-192.546 χ^2/NDF: 35.3/32

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

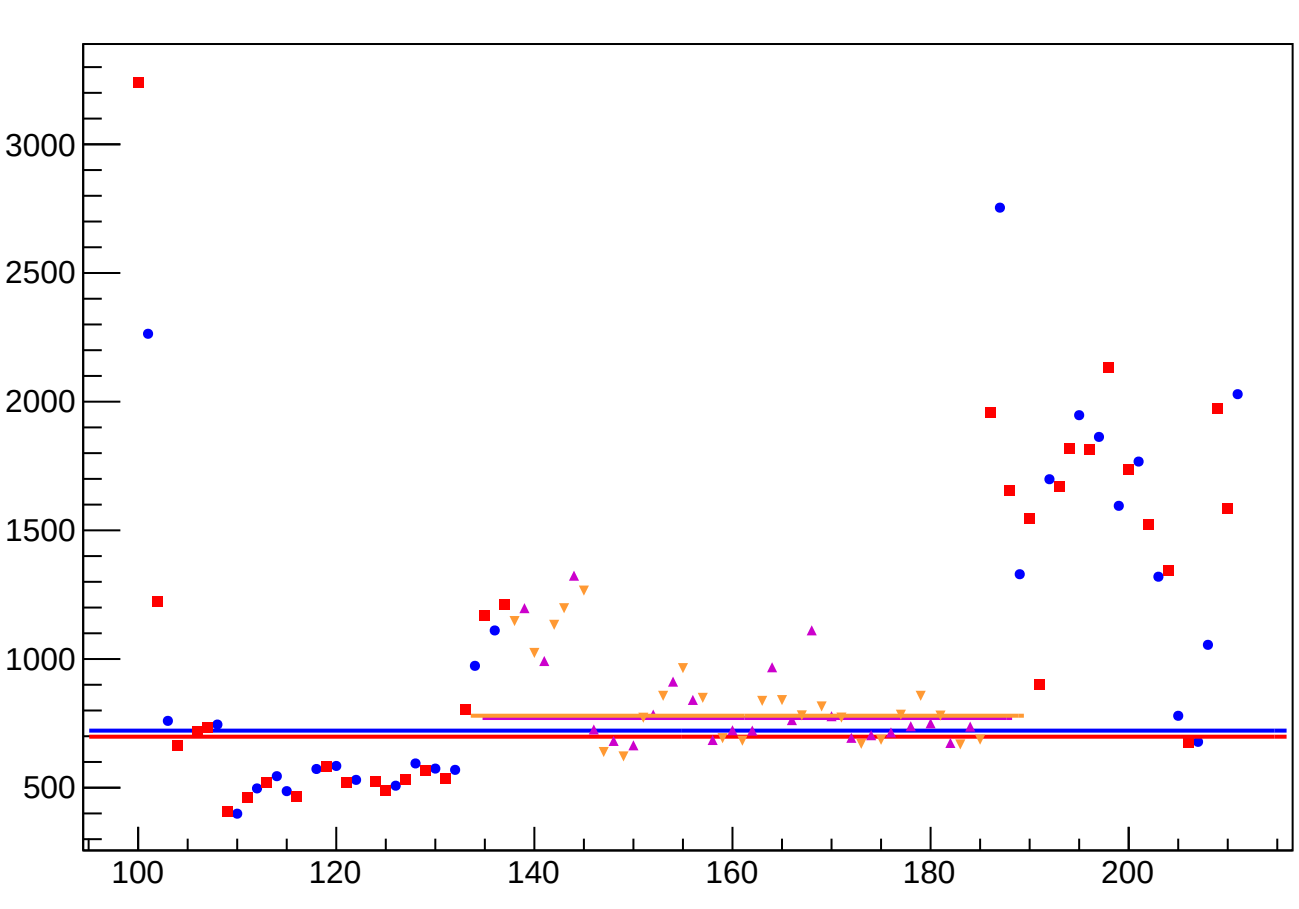
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 93.758+/-139.406 χ^2/NDF: 92.9/60

In: -104.808+/-135.851 χ^2/NDF:66.0/50

Out: -127.995+/-131.968 χ^2/NDF:113.0/57

All: -116.737+/-94.659 χ^2/NDF: 179.0/108



Right In: 721.780+/-0.143 χ^2/NDF: 6762905.9/27

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 698.174+/-0.136 χ^2/NDF: 8359797.9/32

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

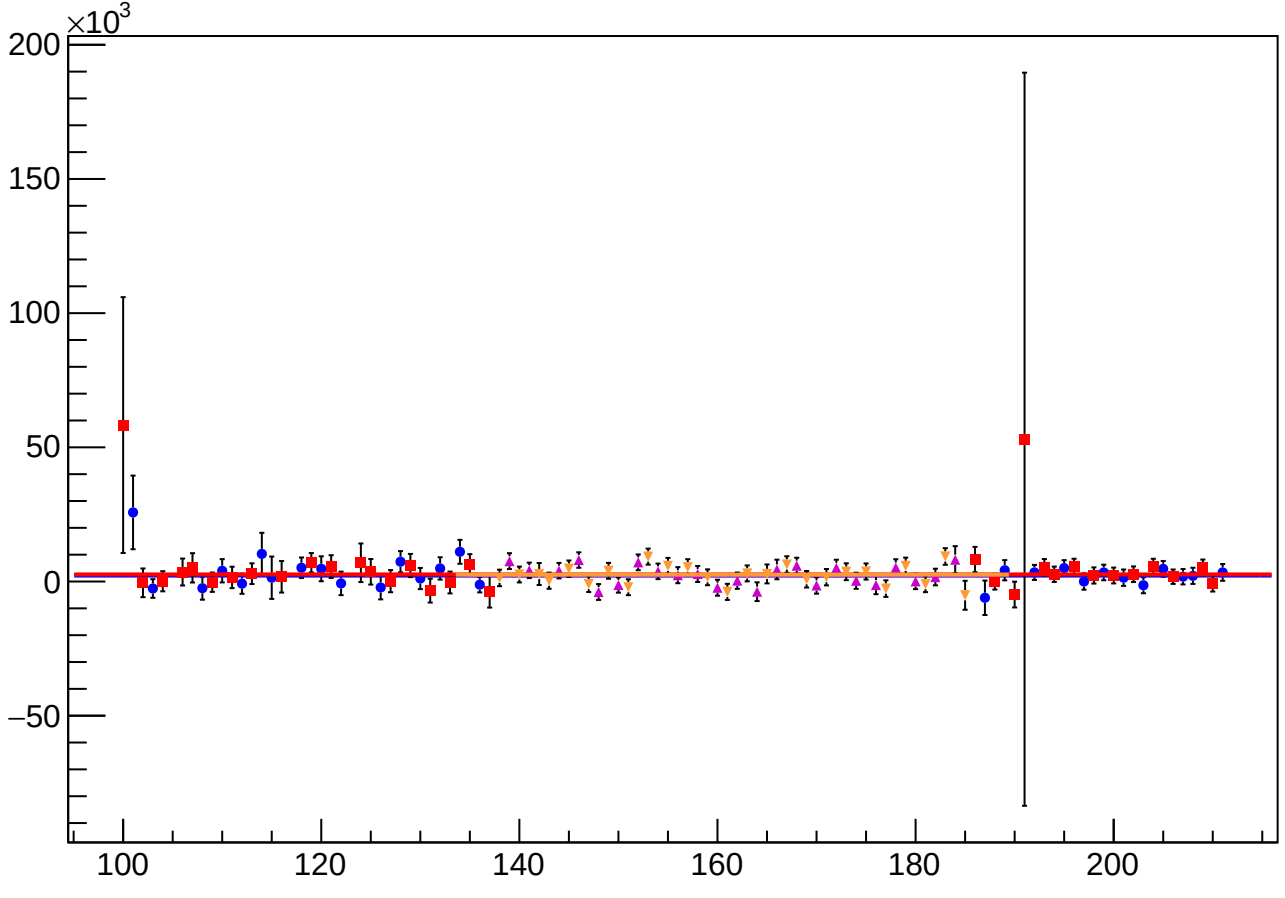
Right: 709.406+/-0.099 χ^2/NDF: 15137006.9/60

In: 748.647+/-0.096 χ^2/NDF:7903745.0/50

Out: 741.411+/-0.093 χ^2/NDF:9793732.9/57

All: 744.924+/-0.067 χ^2/NDF: 17700397.7/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2219.216+/-689.210 χ^2/NDF: 23.9/27

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2643.919+/-663.594 χ^2/NDF: 20.0/32

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

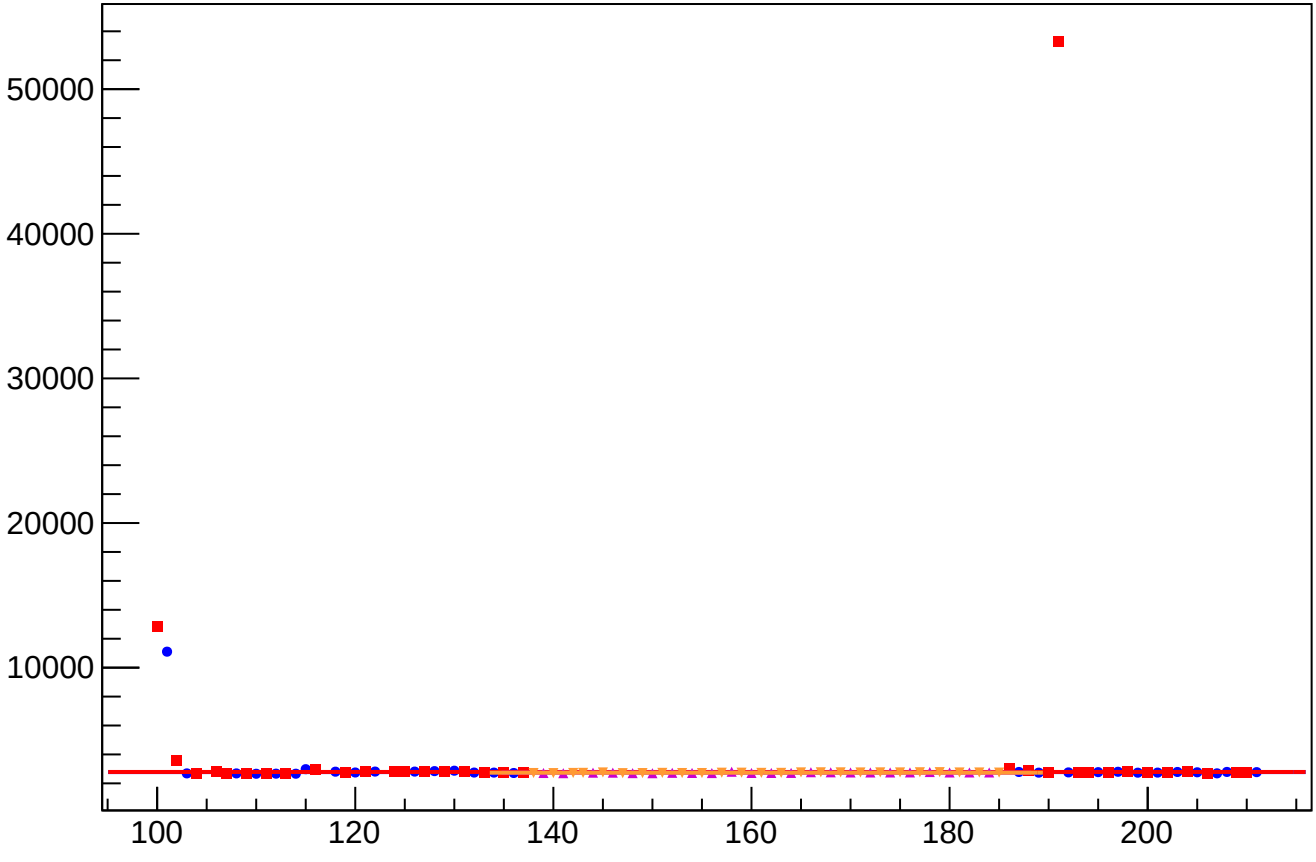
Right: 2439.606+/-478.031 χ^2/NDF: 44.1/60

In: 2320.875+/-468.873 χ^2/NDF:55.3/50

Out: 2597.525+/-453.747 χ^2/NDF:51.6/57

All: 2463.735+/-326.064 χ^2/NDF: 107.1/108

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.463+/-0.487 χ^2/NDF: 750459.4/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.947+/-0.469 χ^2/NDF: 481330.4/32

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

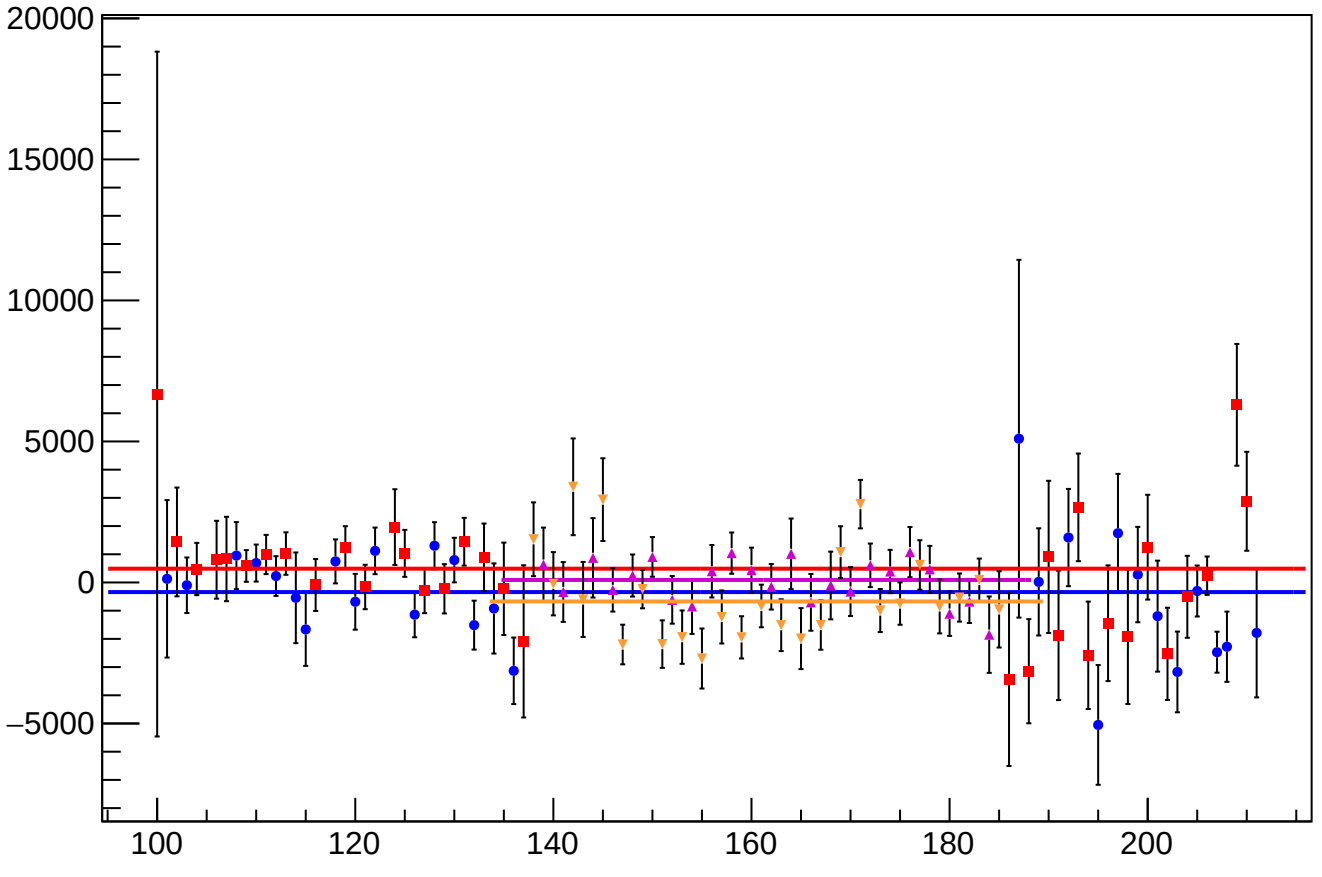
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.865+/-0.338 χ^2/NDF: 1231947.0/60

In: 2758.191+/-0.332 χ^2/NDF:757368.2/50

Out: 2761.096+/-0.321 χ^2/NDF:489797.6/57

All: 2759.691+/-0.231 χ^2/NDF: 1247205.5/10



Right In: -340.525+/-202.092 χ^2/NDF: 48.7/27

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 488.726+/-192.519 χ^2/NDF: 35.2/32

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

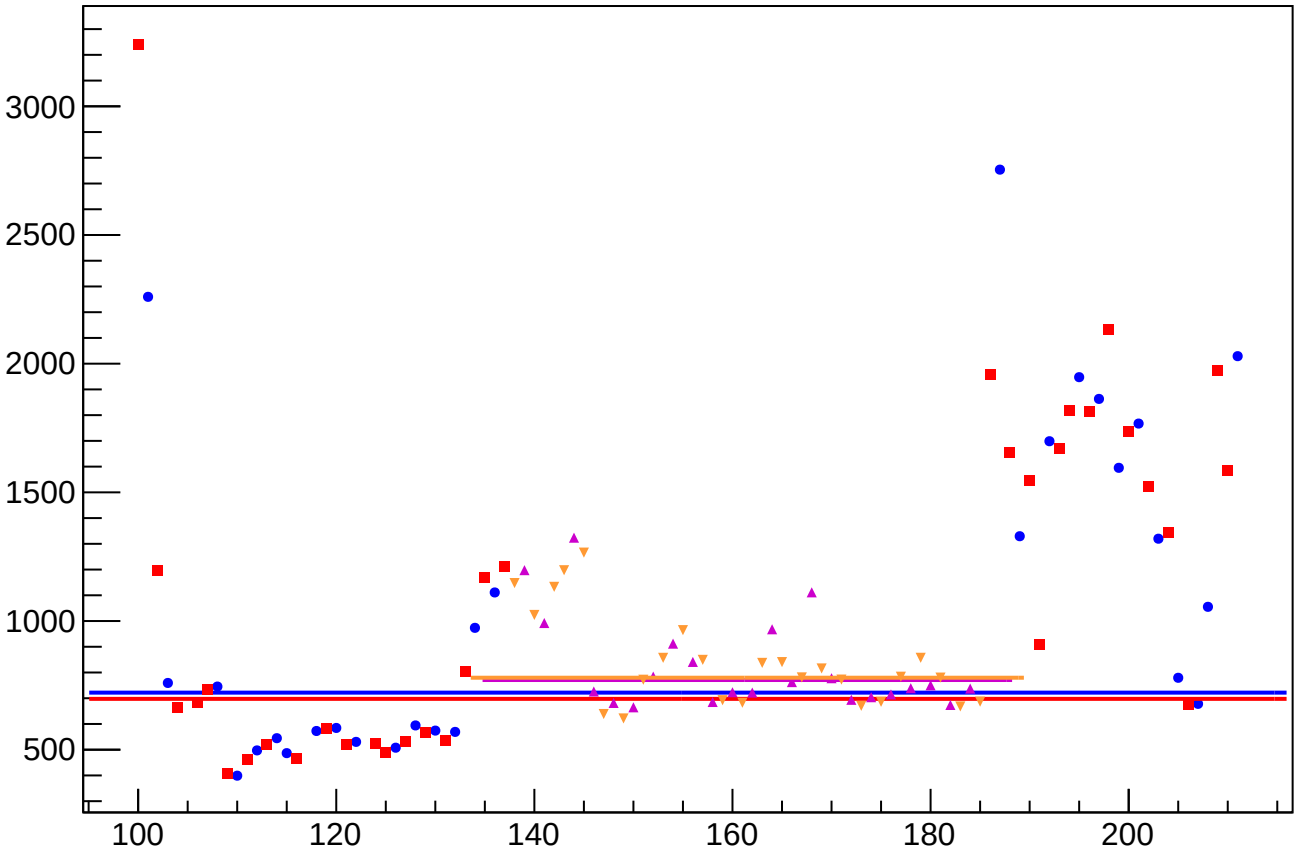
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 94.207+/-139.393 χ^2/NDF: 92.8/60

In: -104.738+/-135.850 χ^2/NDF:66.0/50

Out: -127.515+/-131.960 χ^2/NDF:112.9/57

All: -116.457+/-94.655 χ^2/NDF: 178.9/108



Right In: 721.768+/-0.143 χ^2/NDF: 6762045.6/27

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 697.571+/-0.136 χ^2/NDF: 8355176.3/32

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

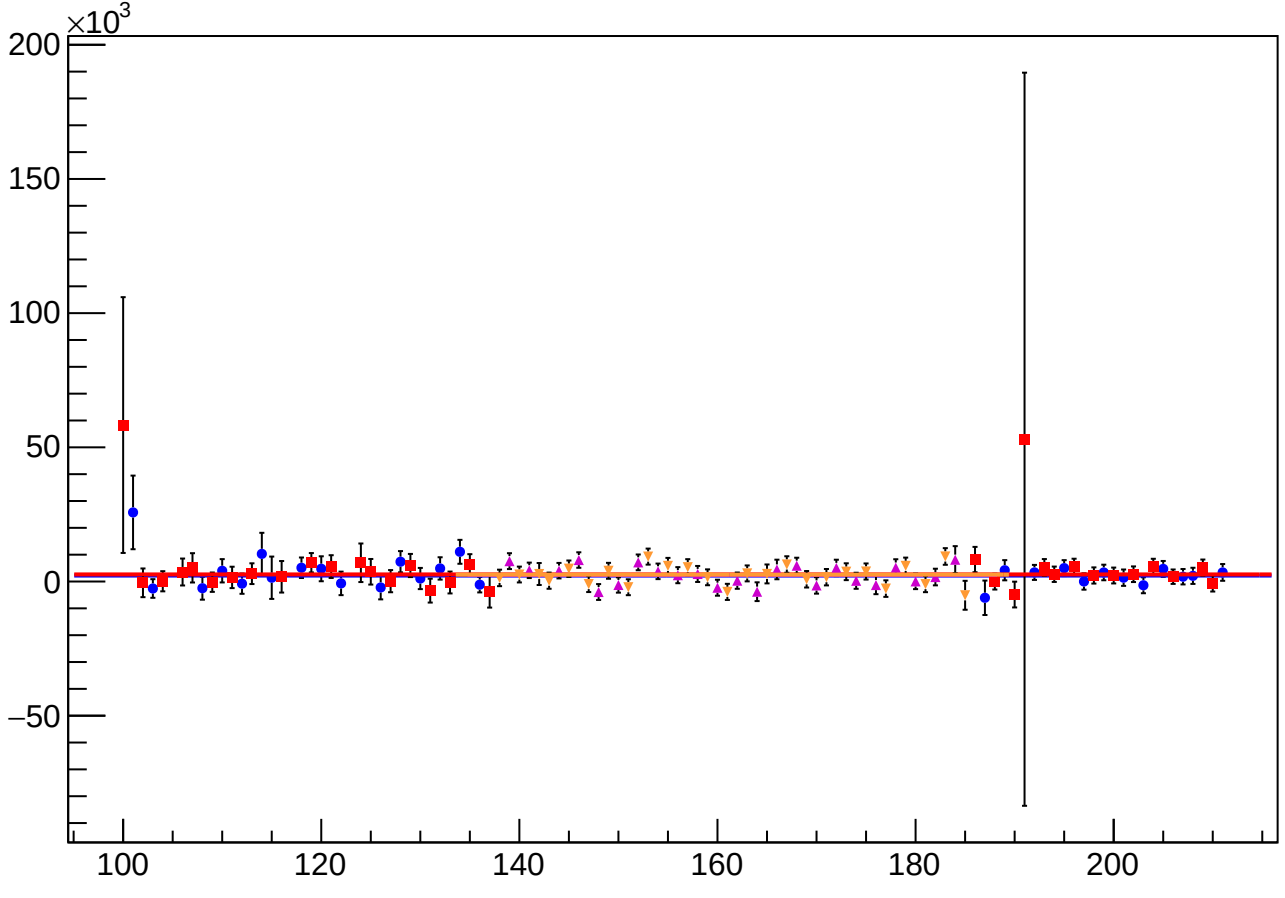
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 709.083+/-0.099 χ^2/NDF: 15132253.8/60

In: 748.643+/-0.096 χ^2/NDF:7902864.1/50

Out: 741.120+/-0.093 χ^2/NDF:9791982.6/57

All: 744.773+/-0.067 χ^2/NDF: 17698002.2/10



Right In: 2219.216+/-689.210 χ^2/NDF: 23.9/27

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2643.919+/-663.594 χ^2/NDF: 20.0/32

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

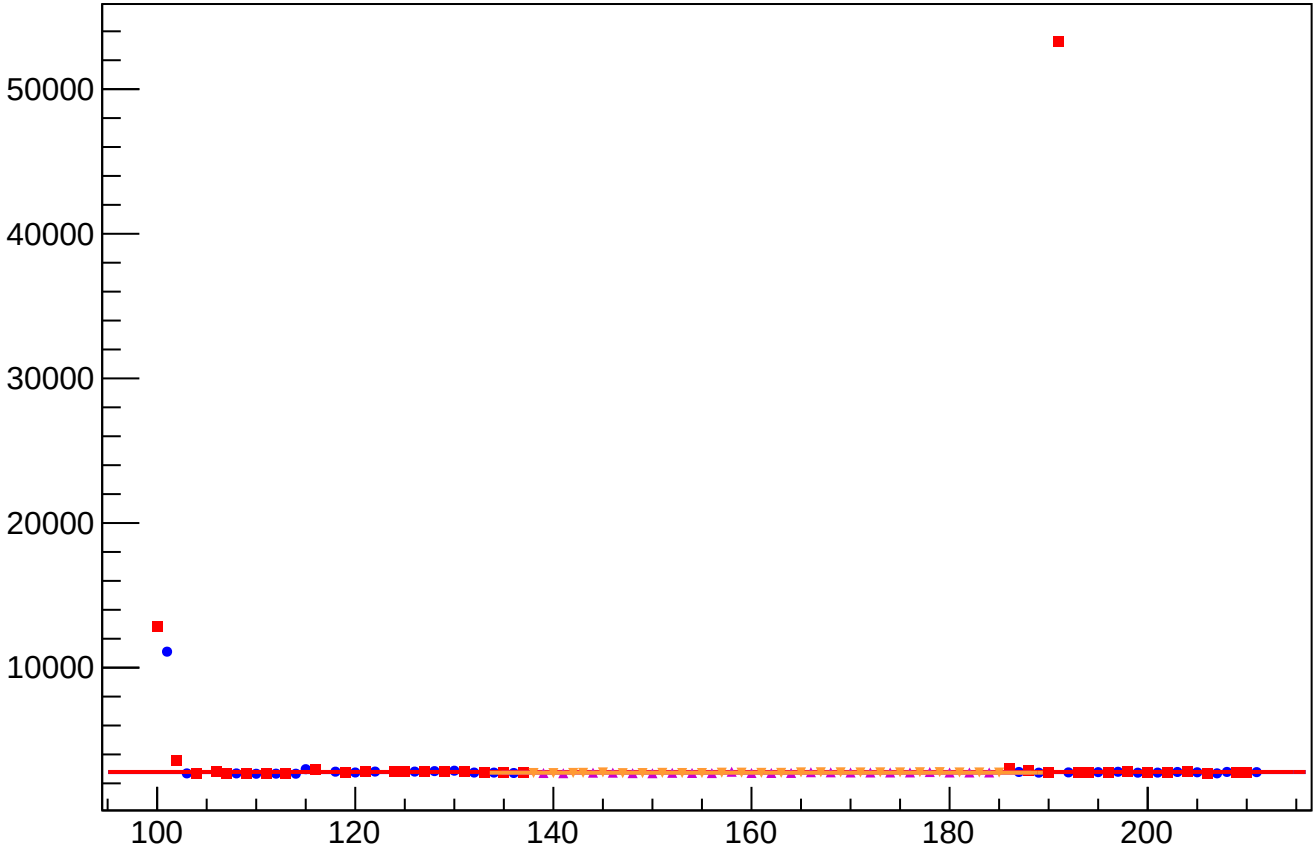
Right: 2439.606+/-478.031 χ^2/NDF: 44.1/60

In: 2320.875+/-468.873 χ^2/NDF:55.3/50

Out: 2597.525+/-453.747 χ^2/NDF:51.6/57

All: 2463.735+/-326.064 χ^2/NDF: 107.1/108

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.463+/-0.487 χ^2/NDF: 750459.4/27

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.947+/-0.469 χ^2/NDF: 481330.4/32

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

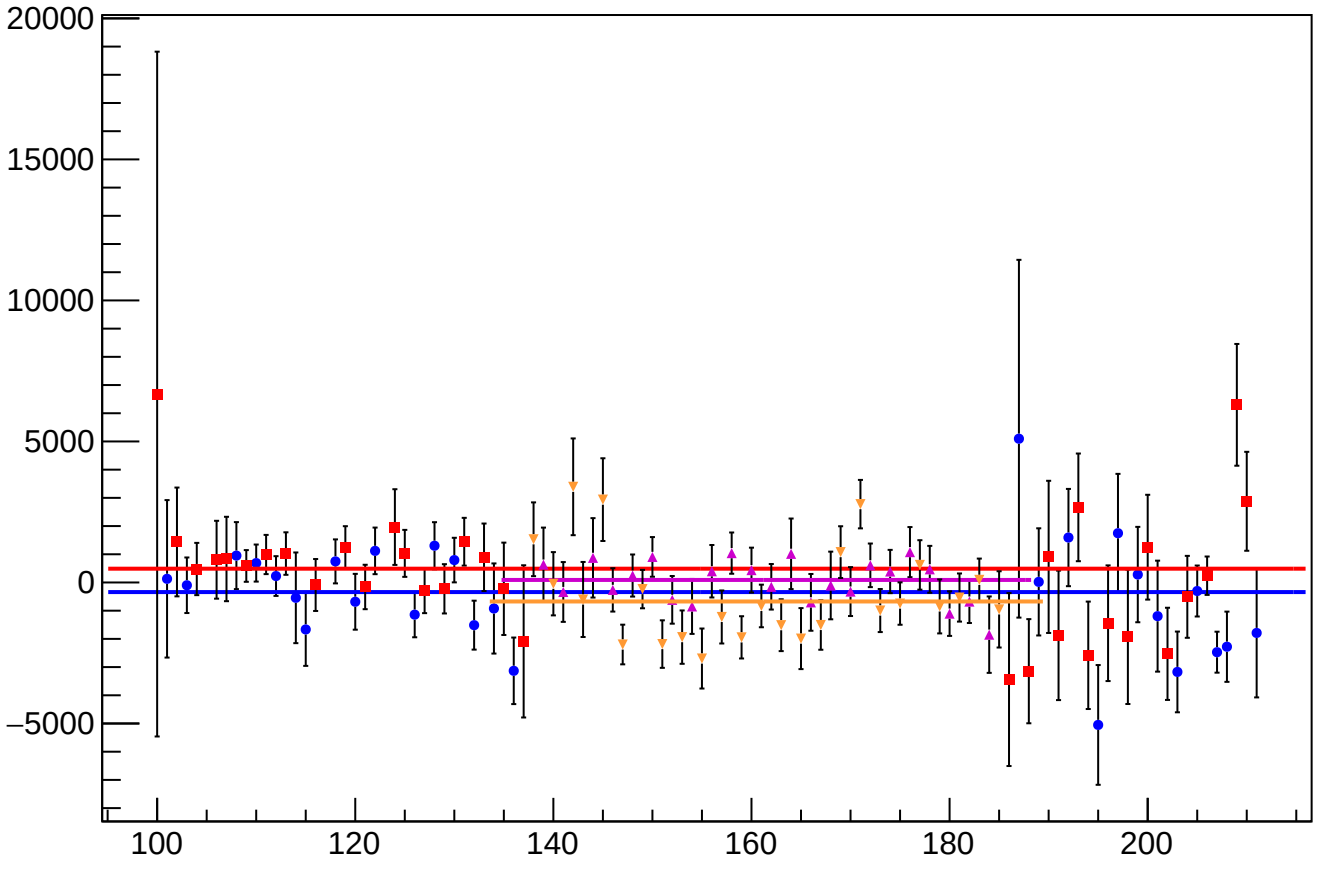
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.865+/-0.338 χ^2/NDF: 1231947.0/60

In: 2758.191+/-0.332 χ^2/NDF:757368.2/50

Out: 2761.096+/-0.321 χ^2/NDF:489797.6/57

All: 2759.691+/-0.231 χ^2/NDF: 1247205.5/10



Right In: -340.525+/-202.092 χ^2/NDF: 48.7/27

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 488.726+/-192.519 χ^2/NDF: 35.2/32

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

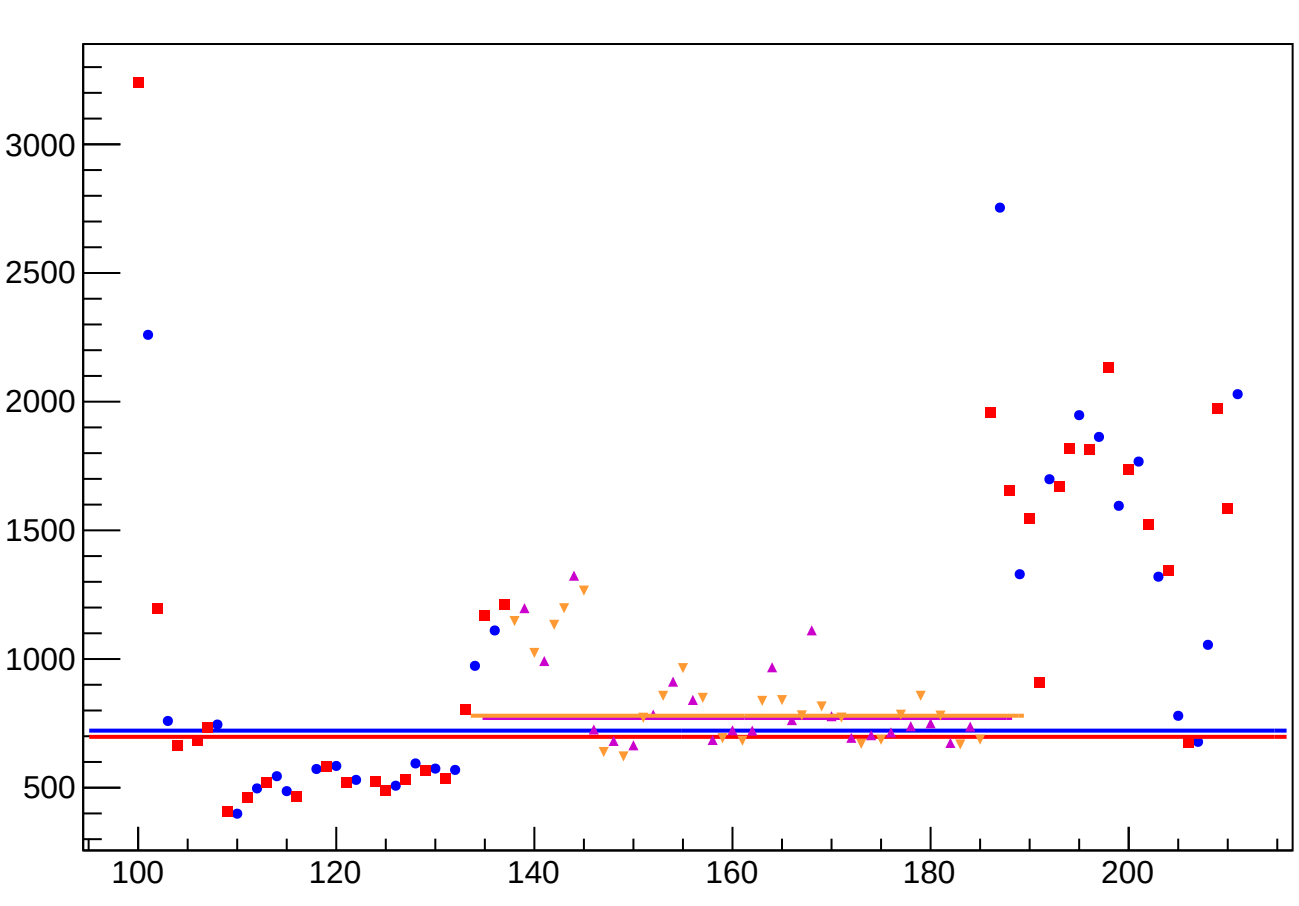
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 94.207+/-139.393 χ^2/NDF: 92.8/60

In: -104.738+/-135.850 χ^2/NDF:66.0/50

Out: -127.515+/-131.960 χ^2/NDF:112.9/57

All: -116.457+/-94.655 χ^2/NDF: 178.9/108



Right In: 721.768+/-0.143 χ^2/NDF: 6762045.6/27

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 697.571+/-0.136 χ^2/NDF: 8355176.3/32

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

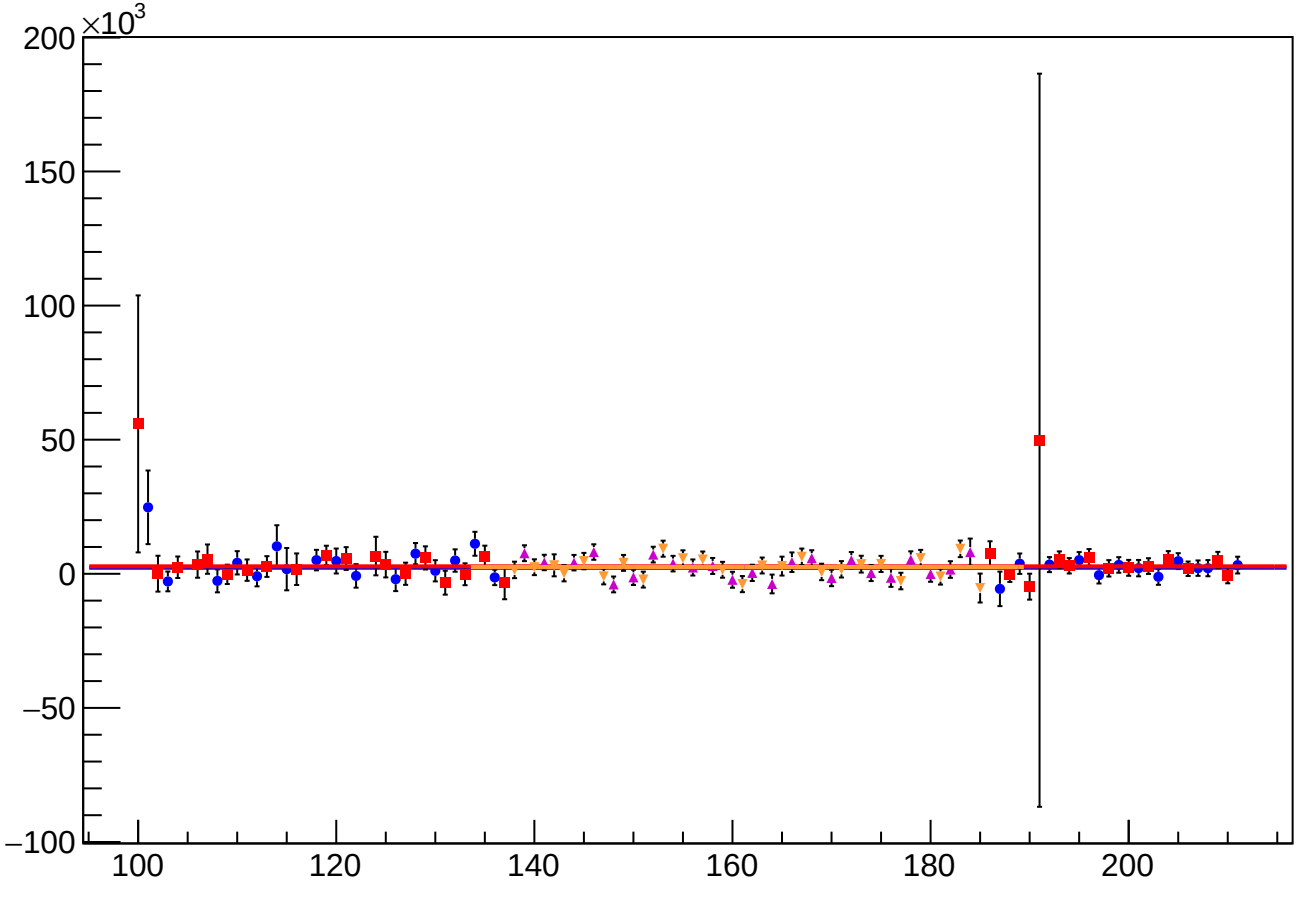
Right: 709.083+/-0.099 χ^2/NDF: 15132253.8/60

In: 748.643+/-0.096 χ^2/NDF:7902864.1/50

Out: 741.120+/-0.093 χ^2/NDF:9791982.6/57

All: 744.773+/-0.067 χ^2/NDF: 17698002.2/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2264.317+/-692.933 χ^2/NDF: 23.7/27

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2786.431+/-668.833 χ^2/NDF: 18.9/32

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

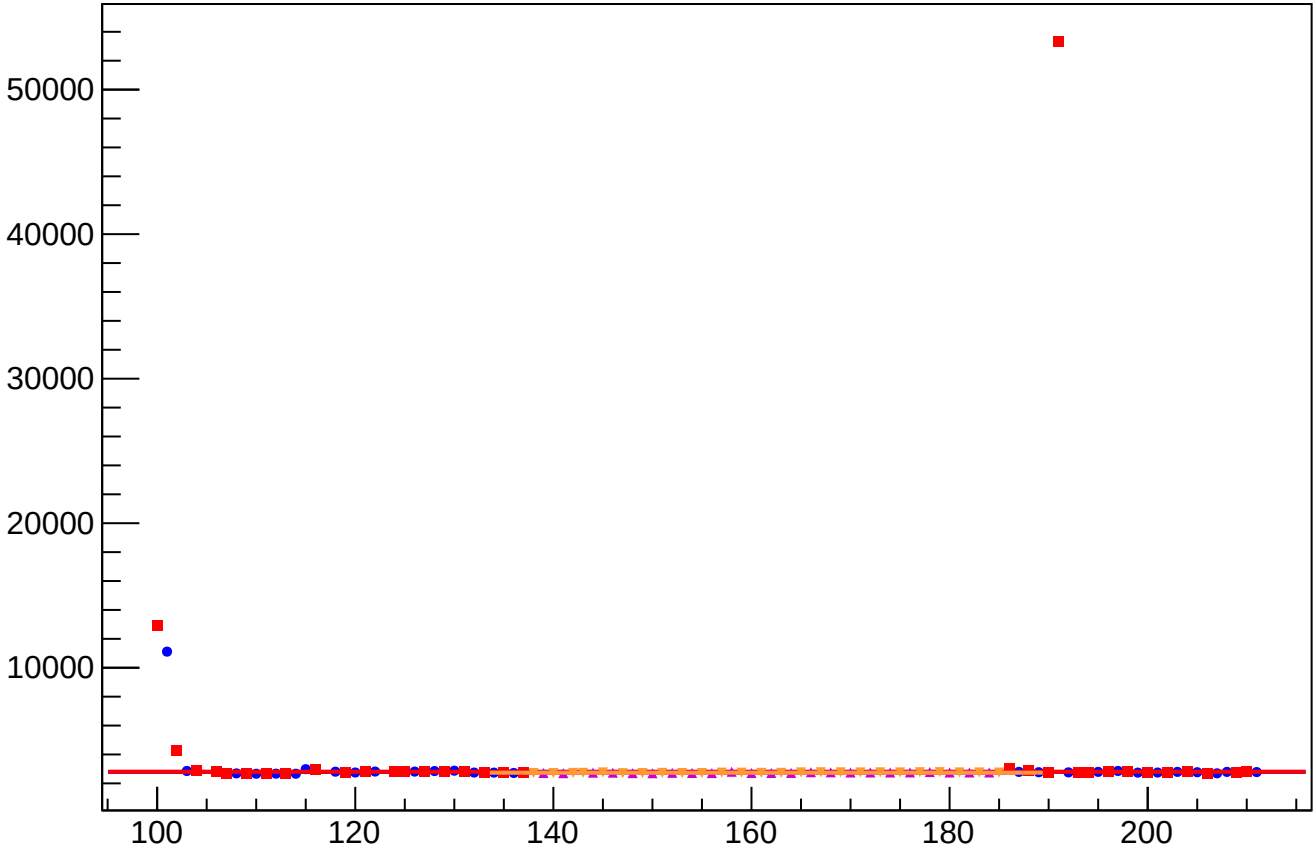
Right: 2534.611+/-481.231 χ^2/NDF: 42.9/60

In: 2341.230+/-470.183 χ^2/NDF:55.5/50

Out: 2657.037+/-455.571 χ^2/NDF:50.9/57

All: 2504.117+/-327.181 χ^2/NDF: 106.6/108

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.322+/-0.490 χ^2/NDF: 750112.9/27

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.348+/-0.473 χ^2/NDF: 534946.1/32

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

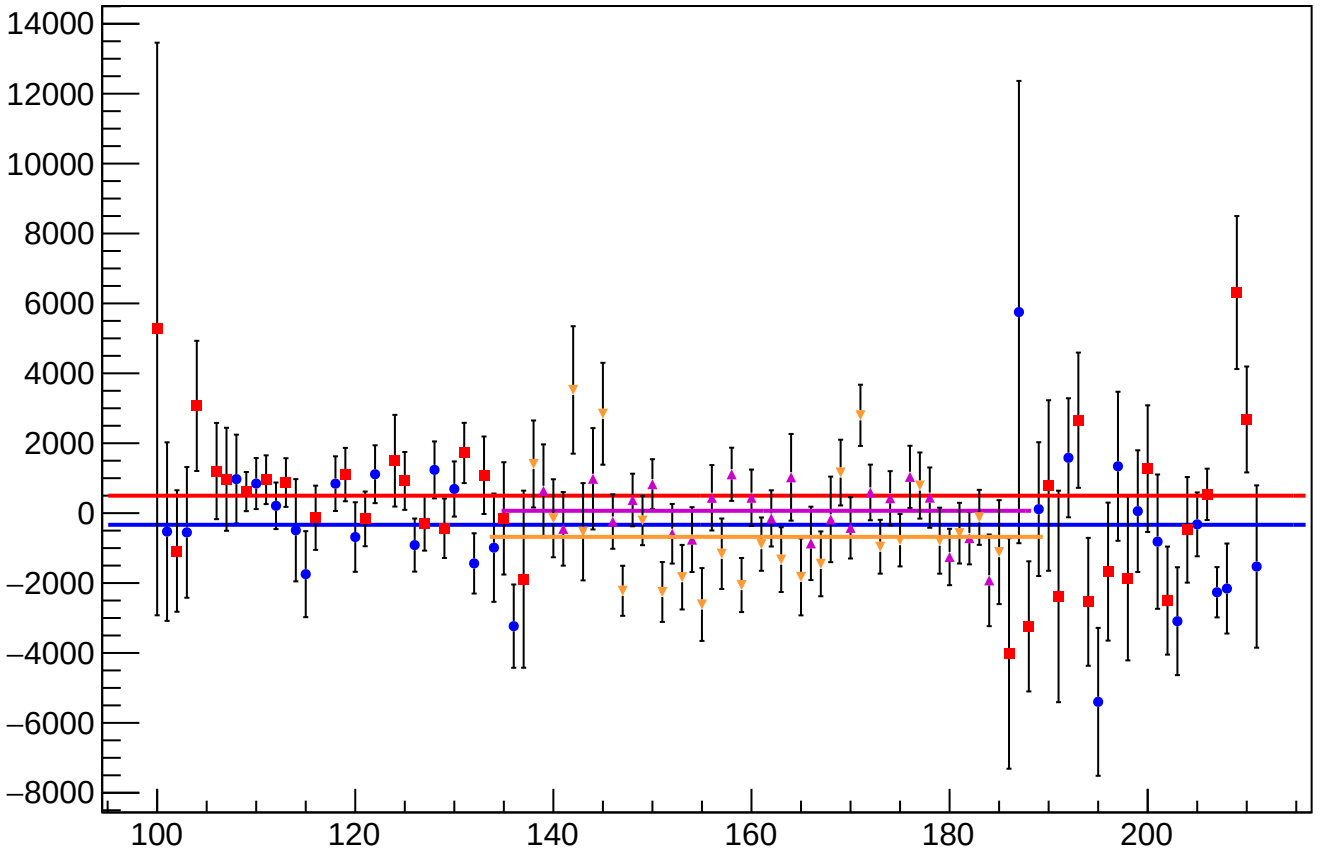
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2799.512+/-0.340 χ^2/NDF: 1285275.7/60

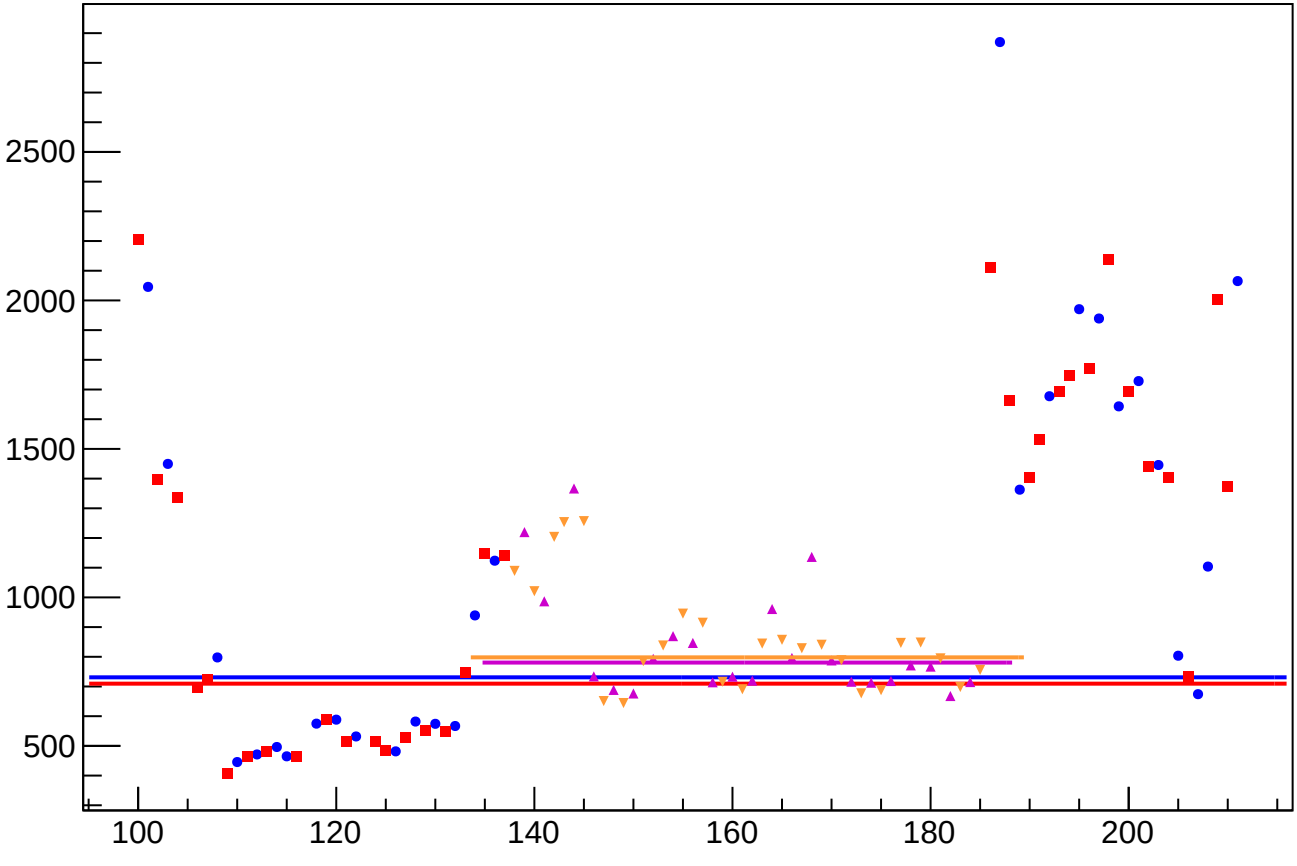
In: 2765.761+/-0.332 χ^2/NDF:759779.4/50

Out: 2769.482+/-0.322 χ^2/NDF:547407.9/57

All: 2767.680+/-0.231 χ^2/NDF: 1307251.9/10


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: -333.352+/-205.153 χ²/NDF: 46.2/27
Left Out: -678.226+/-185.004 χ²/NDF:56.2/24
Right Out: 499.543+/-194.113 χ²/NDF: 39.0/32
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -306.403+/-130.970 χ²/NDF: 80.1/47
Right: 106.107+/-141.000 χ²/NDF: 93.8/60
In: -112.931+/-137.567 χ²/NDF:64.1/50
Out: -117.624+/-133.922 χ²/NDF:114.5/57
All: -115.340+/-95.960 χ²/NDF: 178.6/108

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 730.852+/-0.145 χ^2/NDF: 7253432.0/27

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 709.515+/-0.137 χ^2/NDF: 8832410.9/32

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

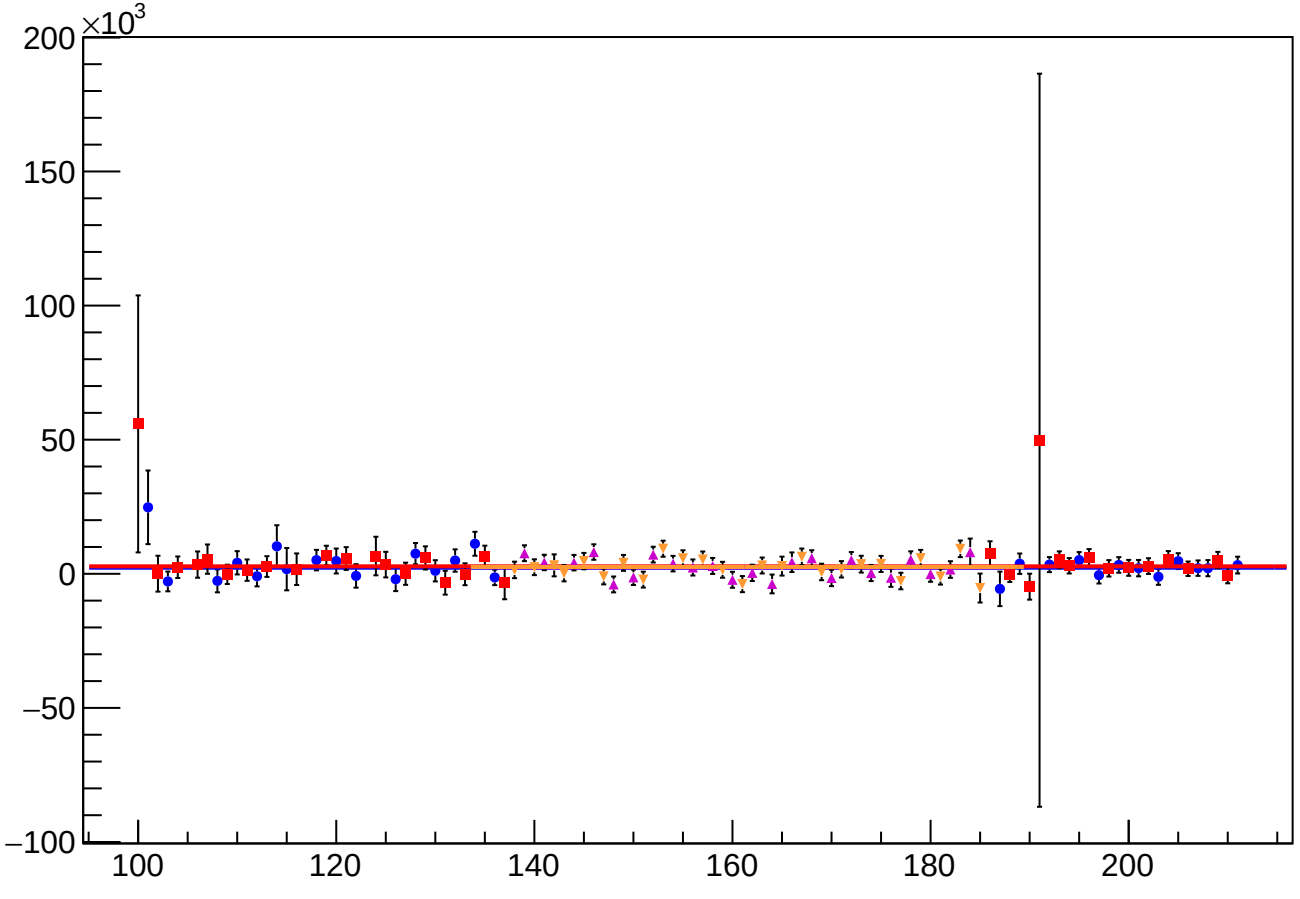
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 719.594+/-0.100 χ^2/NDF: 16097256.8/60

In: 758.190+/-0.097 χ^2/NDF:8382790.5/50

Out: 755.930+/-0.095 χ^2/NDF:10218982.0/57

All: 757.030+/-0.068 χ^2/NDF: 18602049.4/10



Right In: 2264.316+/-692.933 χ^2/NDF: 23.7/27

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2786.428+/-668.833 χ^2/NDF: 18.9/32

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

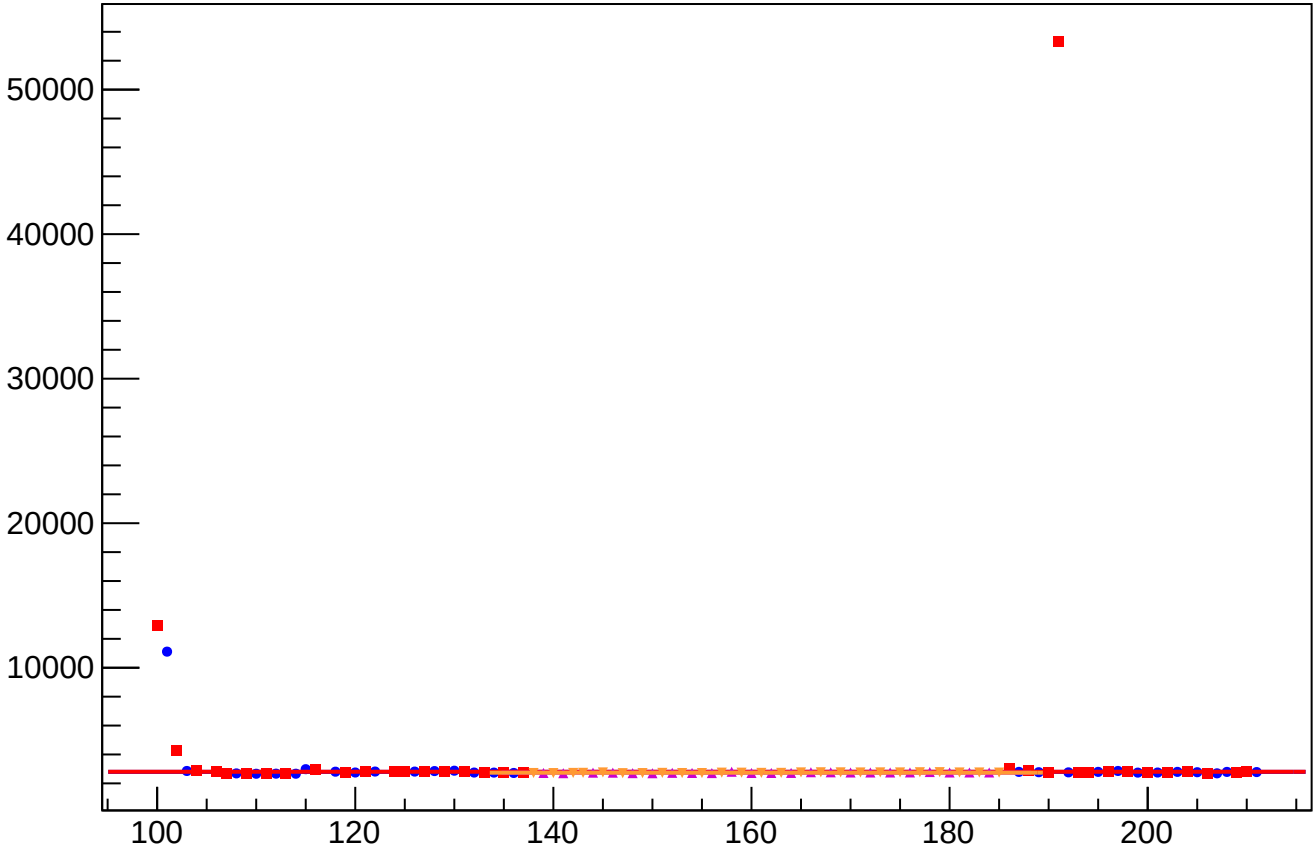
Right: 2534.610+/-481.231 χ^2/NDF: 42.9/60

In: 2341.229+/-470.183 χ^2/NDF:55.5/50

Out: 2657.036+/-455.571 χ^2/NDF:50.9/57

All: 2504.116+/-327.181 χ^2/NDF: 106.6/108

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.322+/-0.490 χ^2/NDF: 750112.8/27

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.348+/-0.473 χ^2/NDF: 534945.9/32

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

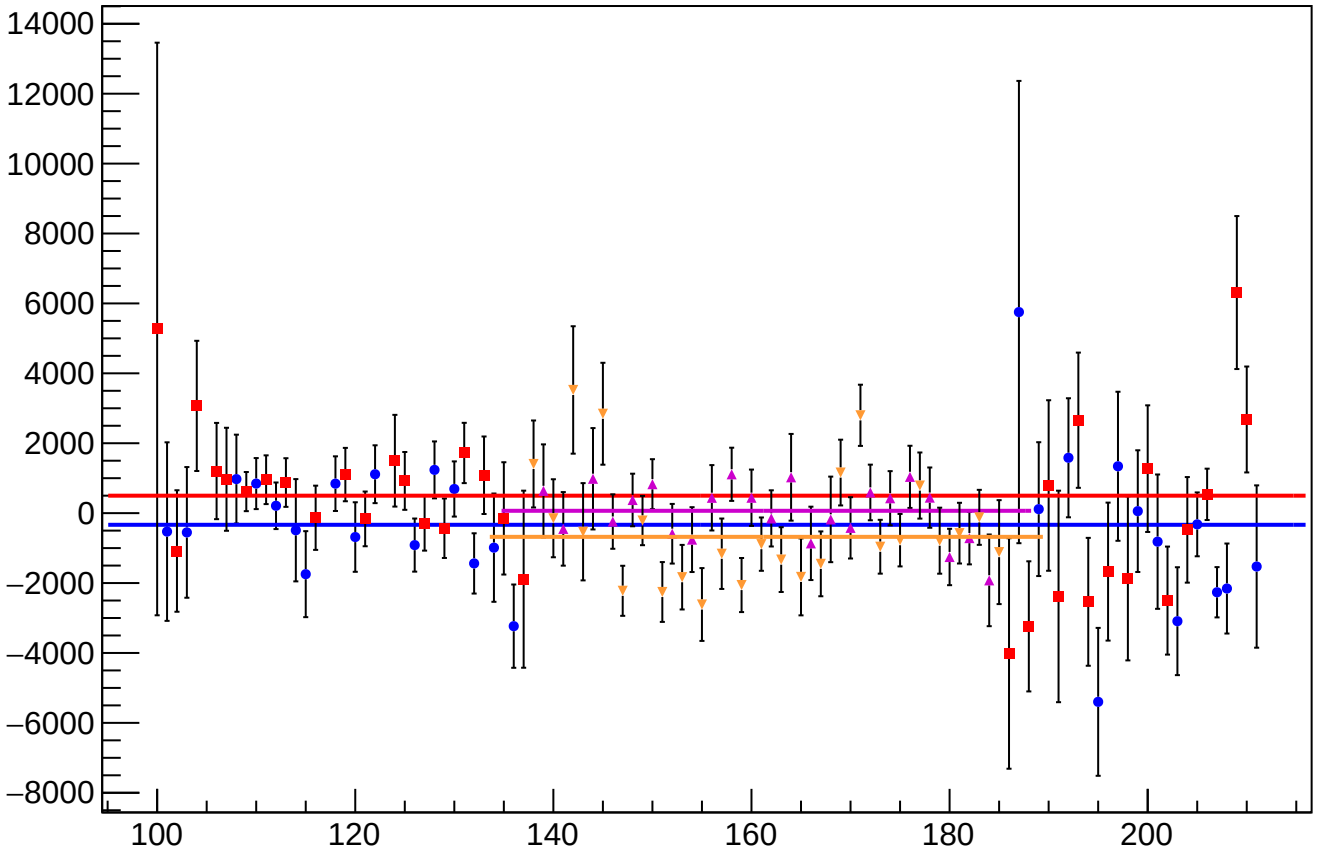
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2799.512+/-0.340 χ^2/NDF: 1285275.5/60

In: 2765.761+/-0.332 χ^2/NDF:759779.3/50

Out: 2769.482+/-0.322 χ^2/NDF:547407.7/57

All: 2767.680+/-0.231 χ^2/NDF: 1307251.6/10



Right In: -333.352+/-205.153 χ^2/NDF: 46.2/27

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 499.542+/-194.114 χ^2/NDF: 39.0/32

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

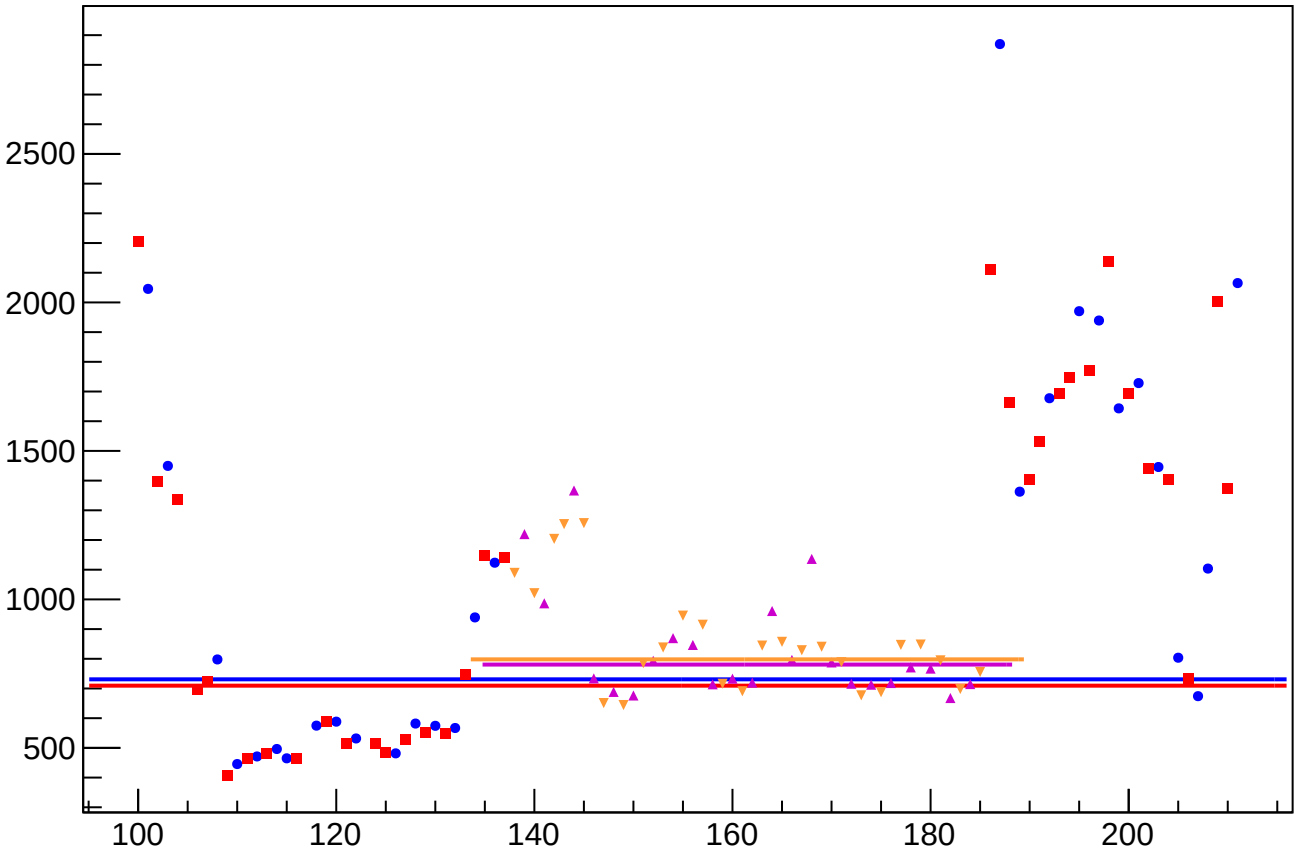
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 106.107+/-141.000 χ^2/NDF: 93.8/60

In: -112.931+/-137.567 χ^2/NDF:64.1/50

Out: -117.624+/-133.922 χ^2/NDF:114.5/57

All: -115.341+/-95.960 χ^2/NDF: 178.6/108



Right In: 730.852+/-0.145 χ^2/NDF: 7253429.5/27

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 709.516+/-0.137 χ^2/NDF: 8832419.1/32

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

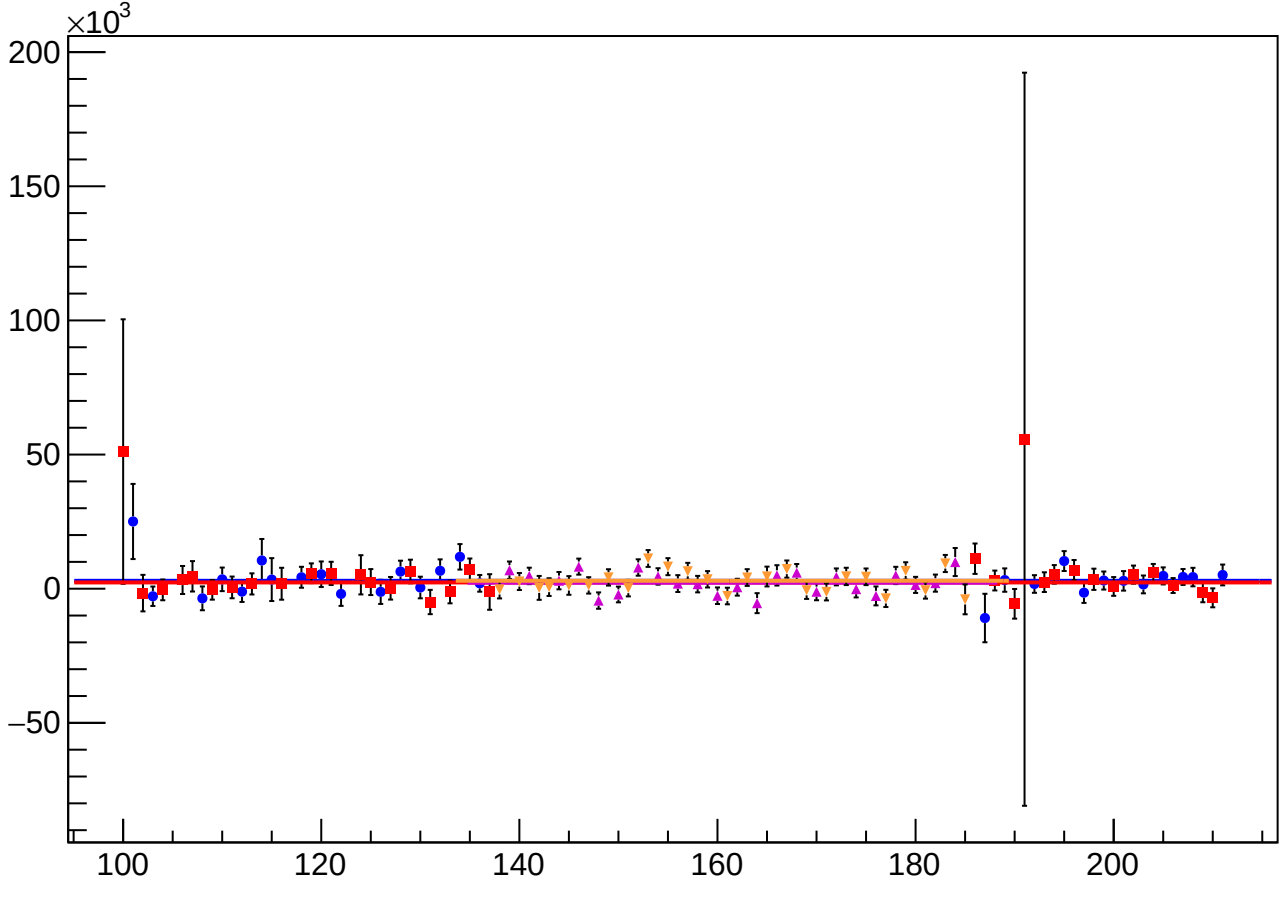
Right: 719.594+/-0.100 χ^2/NDF: 16097262.8/60

In: 758.190+/-0.097 χ^2/NDF:8382789.3/50

Out: 755.931+/-0.095 χ^2/NDF:10218991.3/57

All: 757.030+/-0.068 χ^2/NDF: 18602057.6/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2937.656+/-759.409 χ^2/NDF: 26.1/27

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2341.103+/-738.190 χ^2/NDF: 23.3/32

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

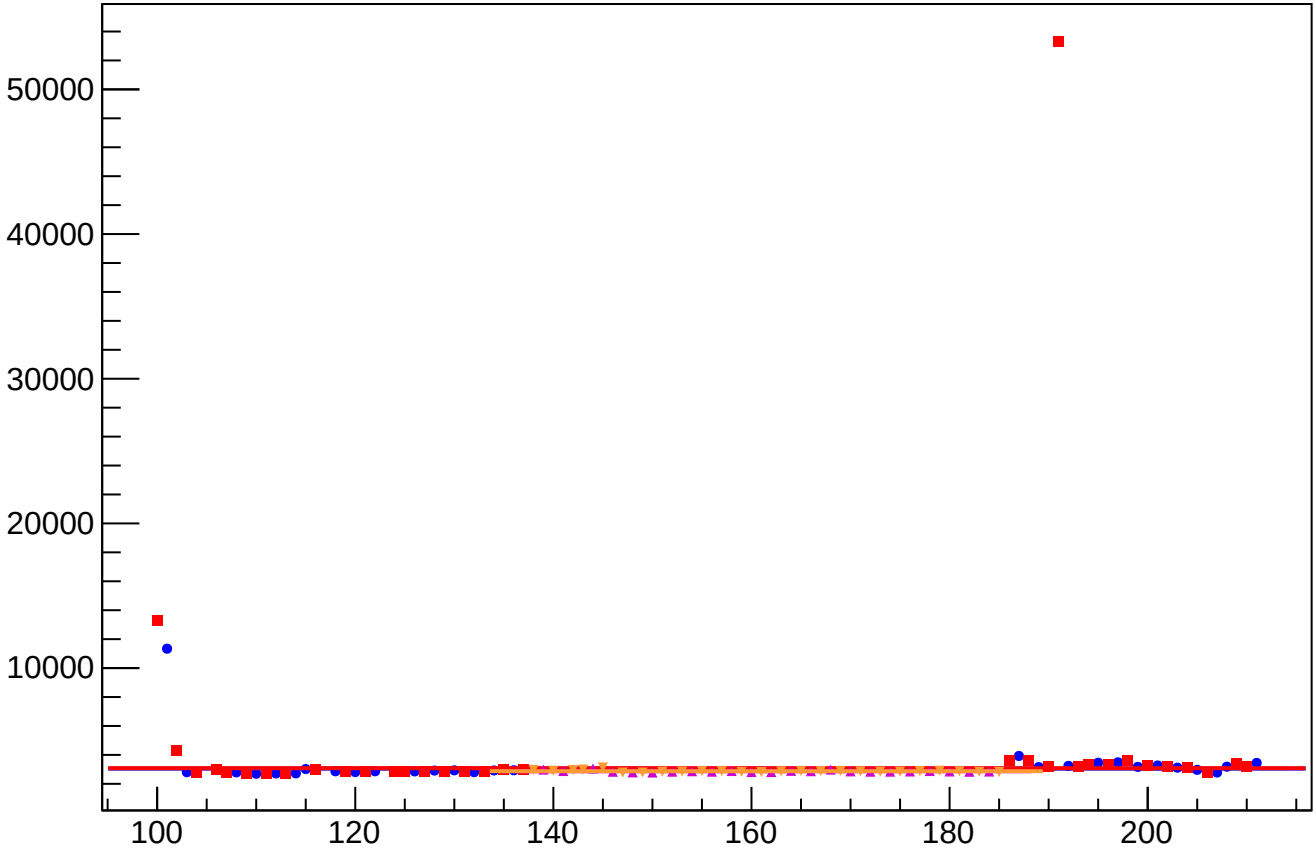
Right: 2630.929+/-529.322 χ^2/NDF: 49.7/60

In: 2544.120+/-502.551 χ^2/NDF:60.4/50

Out: 2693.410+/-489.219 χ^2/NDF:59.4/57

All: 2620.771+/-350.549 χ^2/NDF: 119.8/108

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3052.125+/-0.537 χ^2/NDF: 908735.6/27

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3080.688+/-0.522 χ^2/NDF: 754133.5/32

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

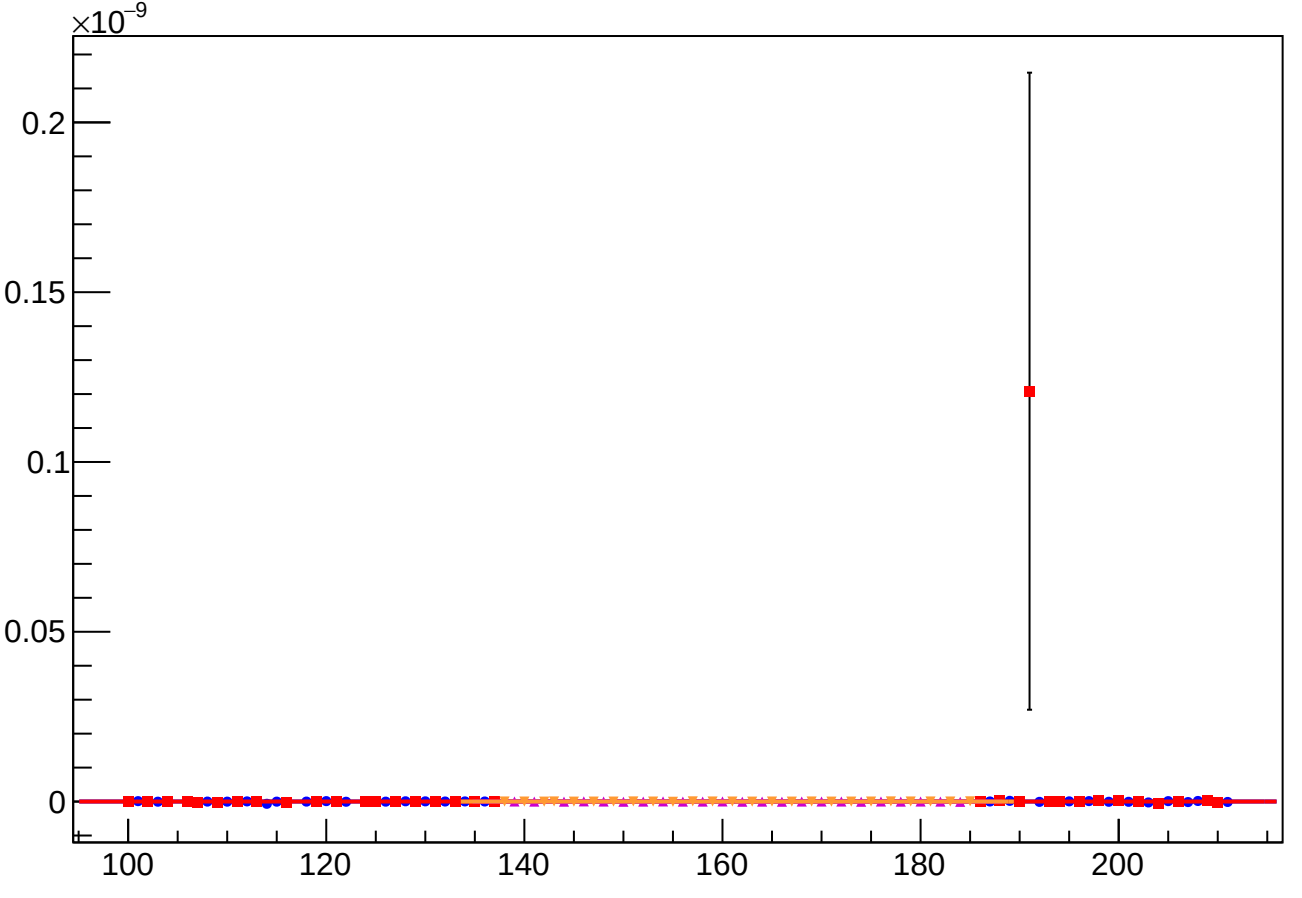
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3066.812+/-0.374 χ^2/NDF: 1664323.8/60

In: 2949.845+/-0.355 χ^2/NDF:990970.2/50

Out: 2965.303+/-0.346 χ^2/NDF:863058.4/57

All: 2957.782+/-0.248 χ^2/NDF: 1855000.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/32

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

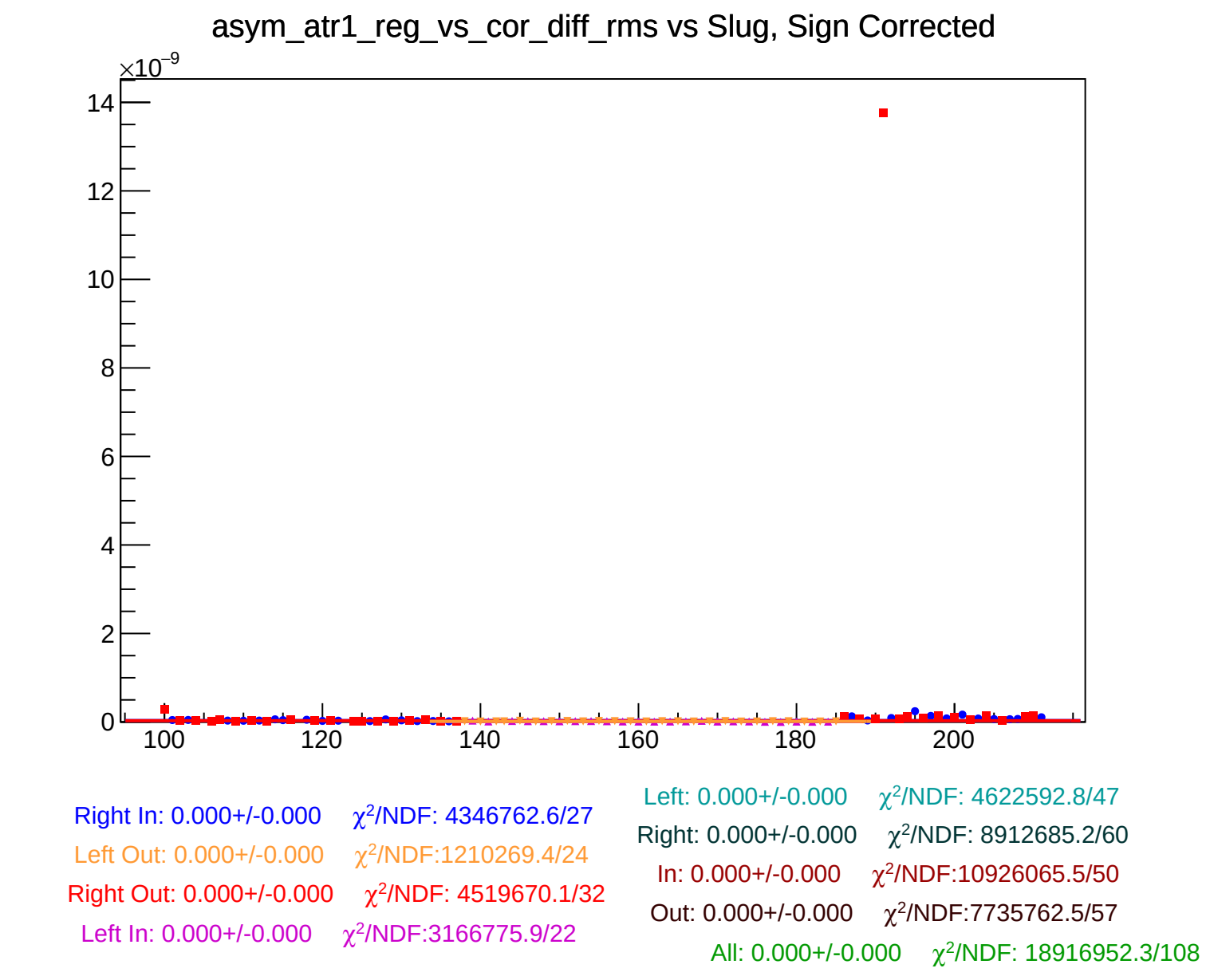
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

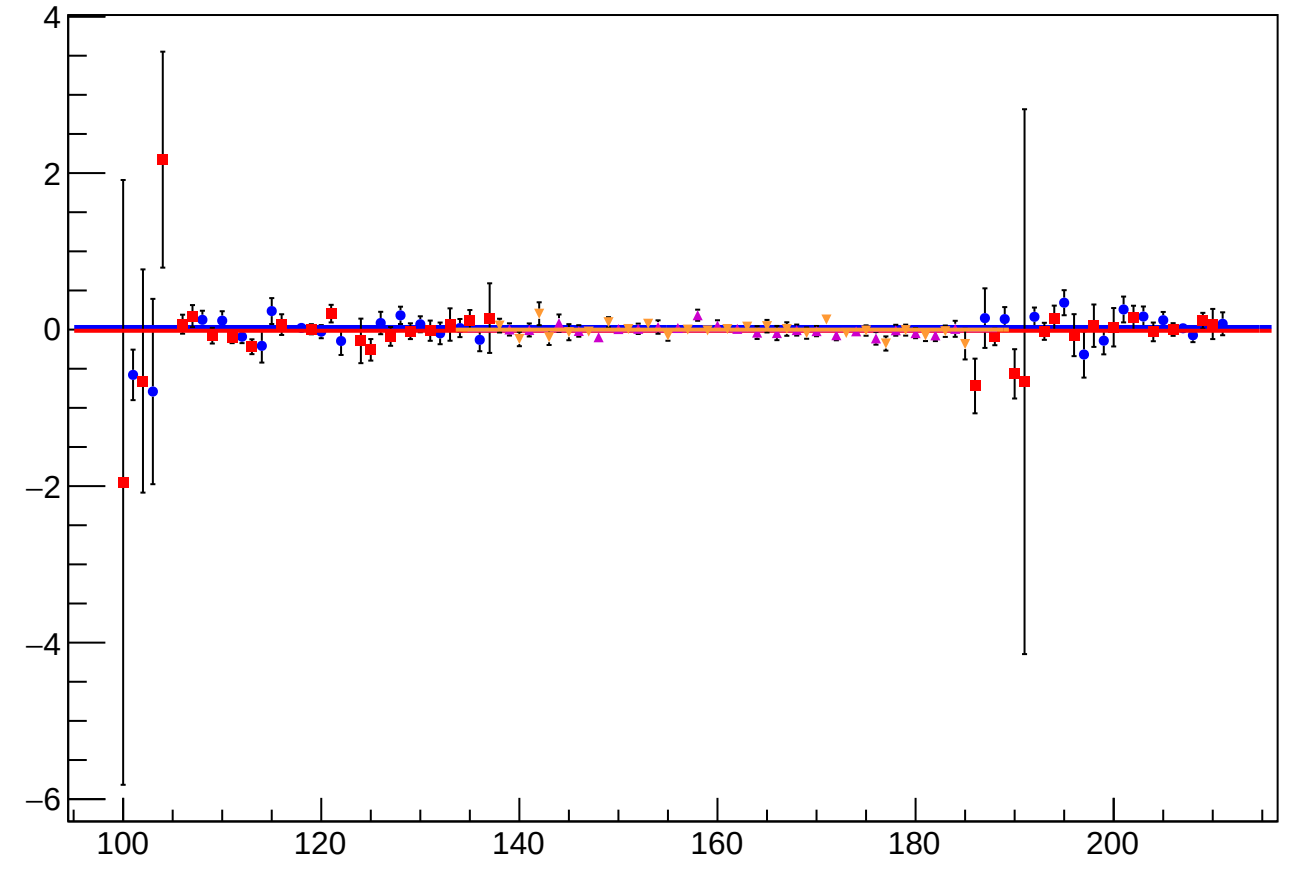
Right: 0.000+/-0.000 χ^2/NDF: 65.7/60

In: -0.000+/-0.000 χ^2/NDF:54.1/50

Out: 0.000+/-0.000 χ^2/NDF:56.4/57

All: -0.000+/-0.000 χ^2/NDF: 111.4/108


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4346762.6/27
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 4519670.1/32
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 8912685.2/60
In: 0.000+/-0.000 χ²/NDF:10926065.5/50
Out: 0.000+/-0.000 χ²/NDF:7735762.5/57
All: 0.000+/-0.000 χ²/NDF: 18916952.3/108



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.023 χ^2/NDF: 32.8/32

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

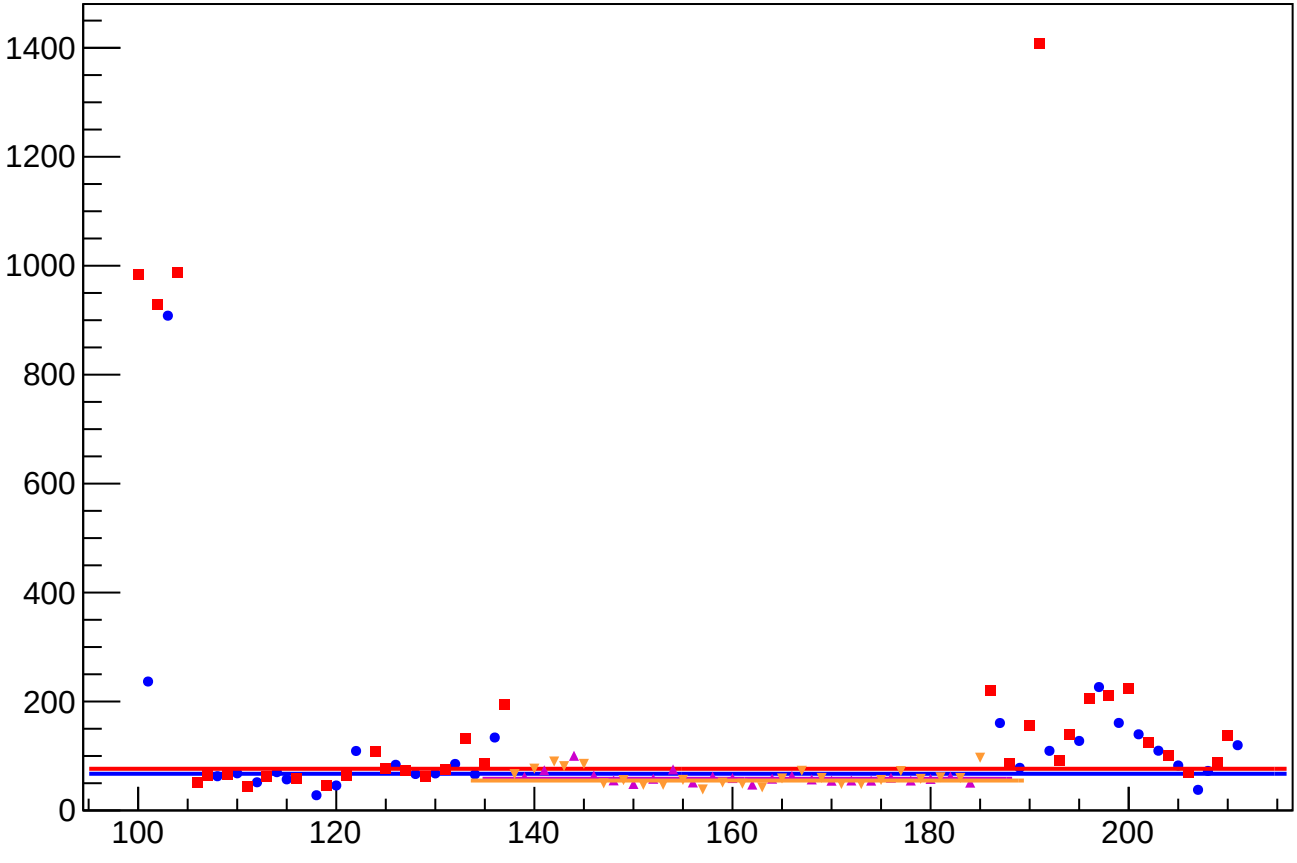
Right: 0.011+/-0.016 χ^2/NDF: 63.7/60

In: 0.005+/-0.012 χ^2/NDF:46.6/50

Out: -0.004+/-0.012 χ^2/NDF:55.6/57

All: 0.000+/-0.009 χ^2/NDF: 102.6/108

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.350+/-0.015 χ^2/NDF: 6746887.4/27

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471535.2/32

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

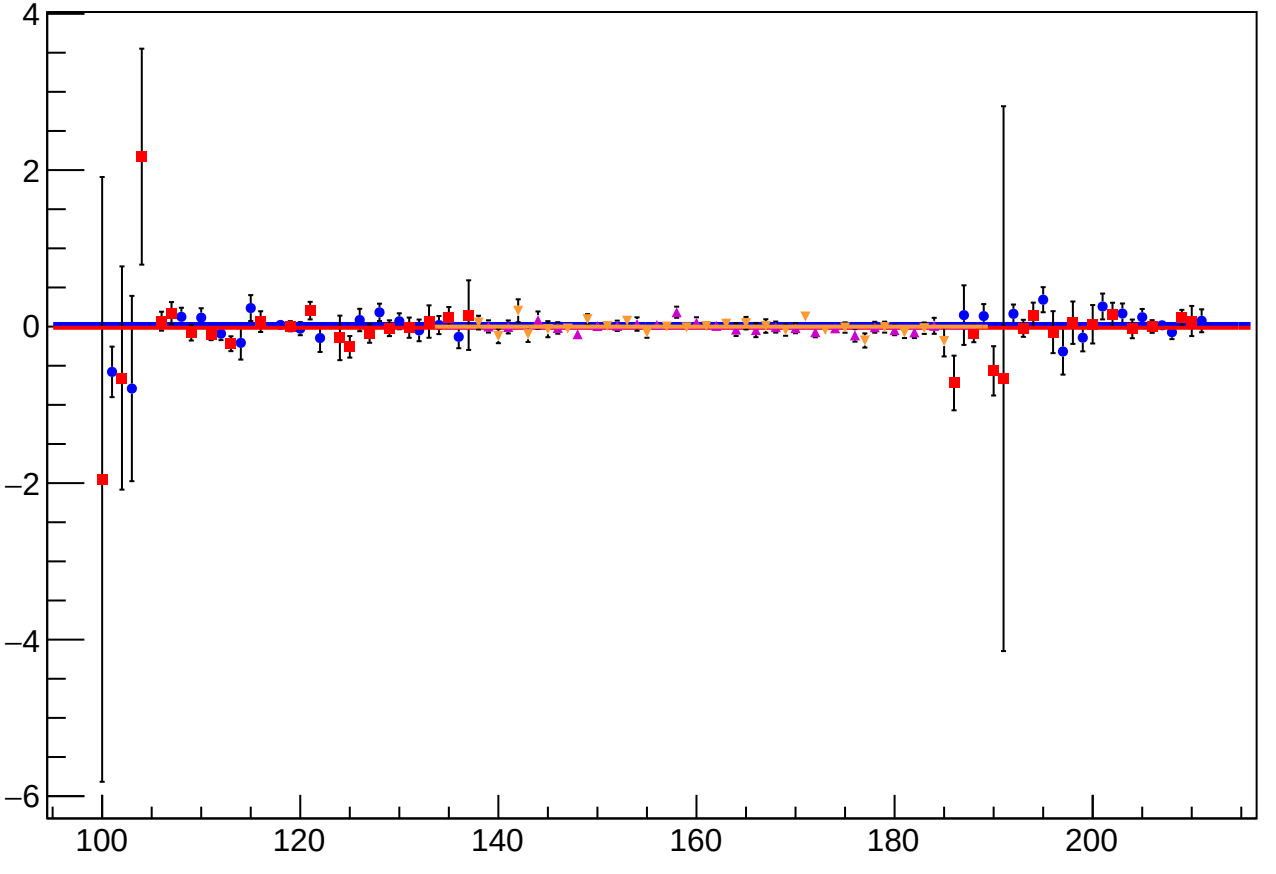
Right: 71.659+/-0.011 χ^2/NDF: 13389869.4/60

In: 61.120+/-0.009 χ^2/NDF:7653923.2/50

Out: 60.921+/-0.008 χ^2/NDF:9069986.2/57

All: 61.019+/-0.006 χ^2/NDF: 16724178.8/108

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.023 χ^2/NDF: 32.8/32

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

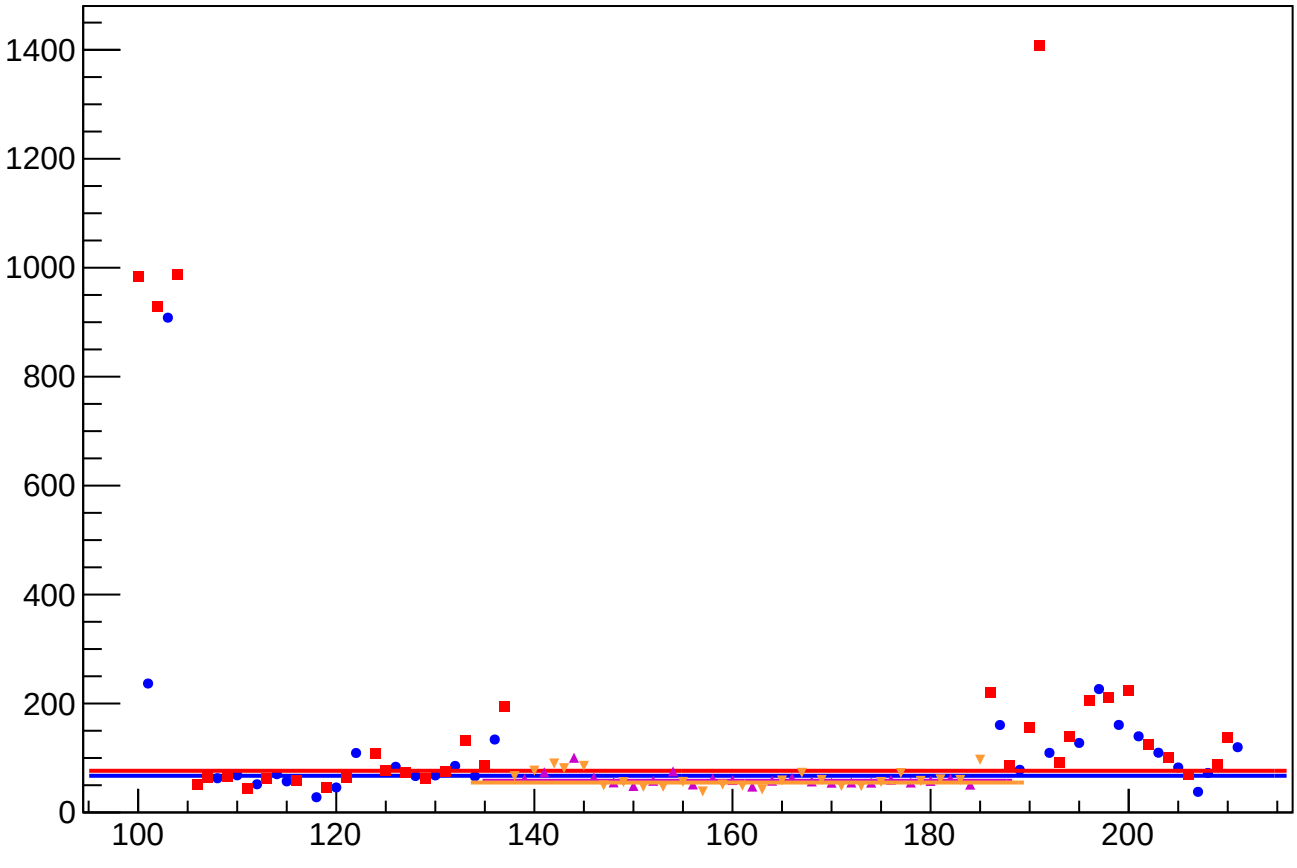
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.011+/-0.016 χ^2/NDF: 63.7/60

In: 0.005+/-0.012 χ^2/NDF:46.6/50

Out: -0.004+/-0.012 χ^2/NDF:55.6/57

All: 0.000+/-0.009 χ^2/NDF: 102.6/108



Right In: 67.350+/-0.015 χ^2/NDF: 6746887.4/27

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471535.2/32

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

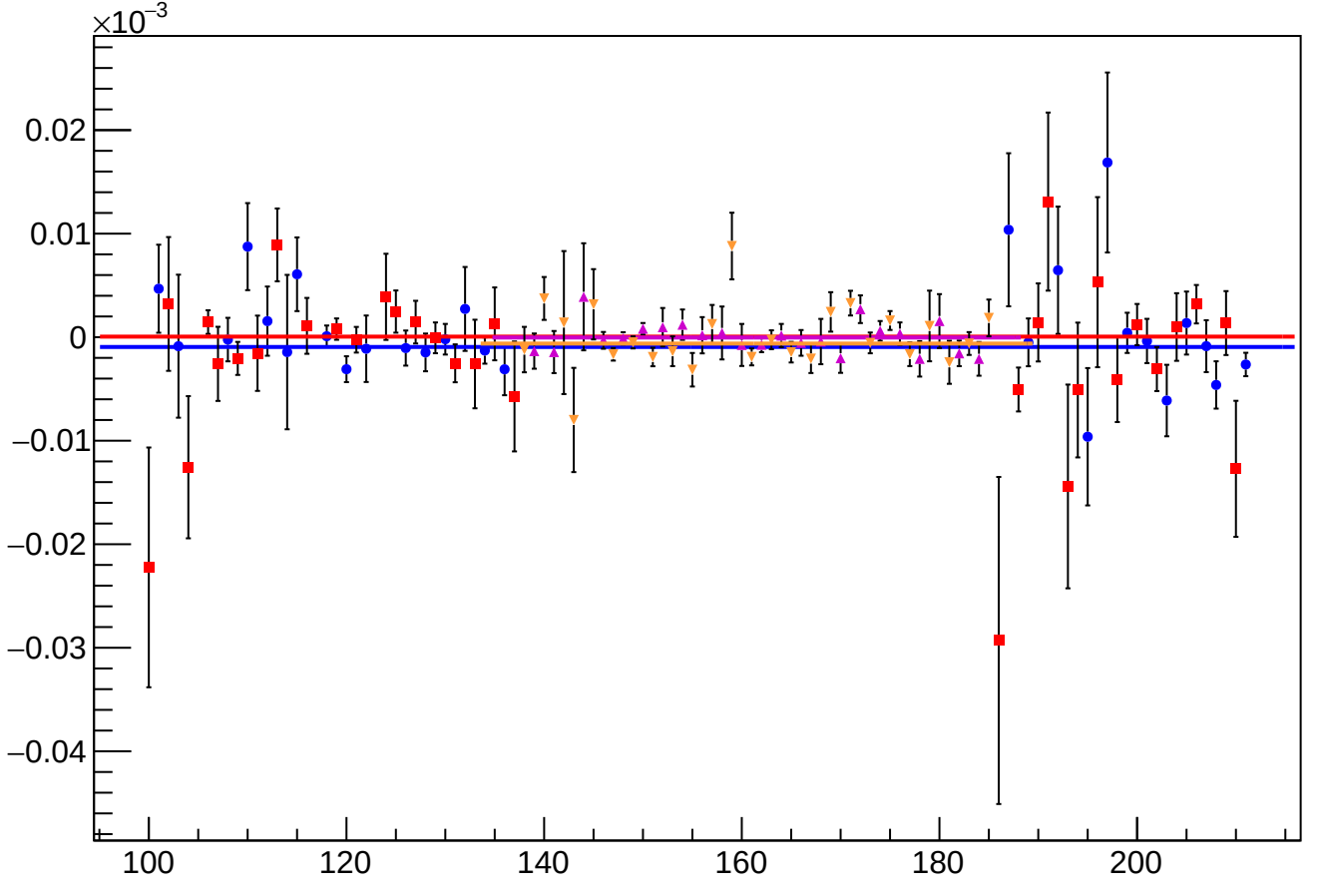
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 71.659+/-0.011 χ^2/NDF: 13389869.4/60

In: 61.120+/-0.009 χ^2/NDF:7653923.2/50

Out: 60.921+/-0.008 χ^2/NDF:9069986.2/57

All: 61.019+/-0.006 χ^2/NDF: 16724178.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.0/32

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

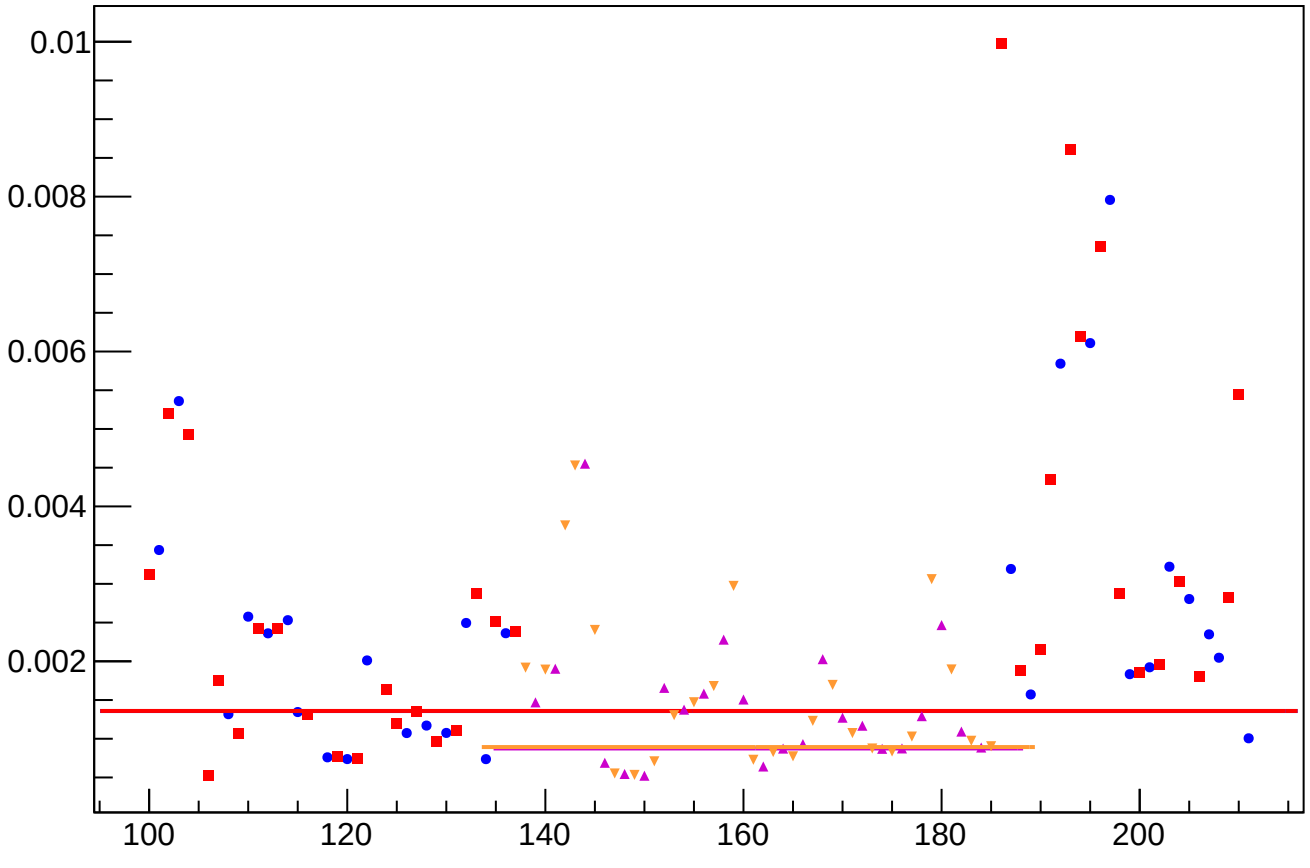
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 88.6/60

In: -0.000+/-0.000 χ^2/NDF:57.6/50

Out: -0.000+/-0.000 χ^2/NDF:104.8/57

All: -0.000+/-0.000 χ^2/NDF: 162.8/108



Right In: 0.001+/-0.000 χ^2/NDF: 9264328.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11426042.0/32

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

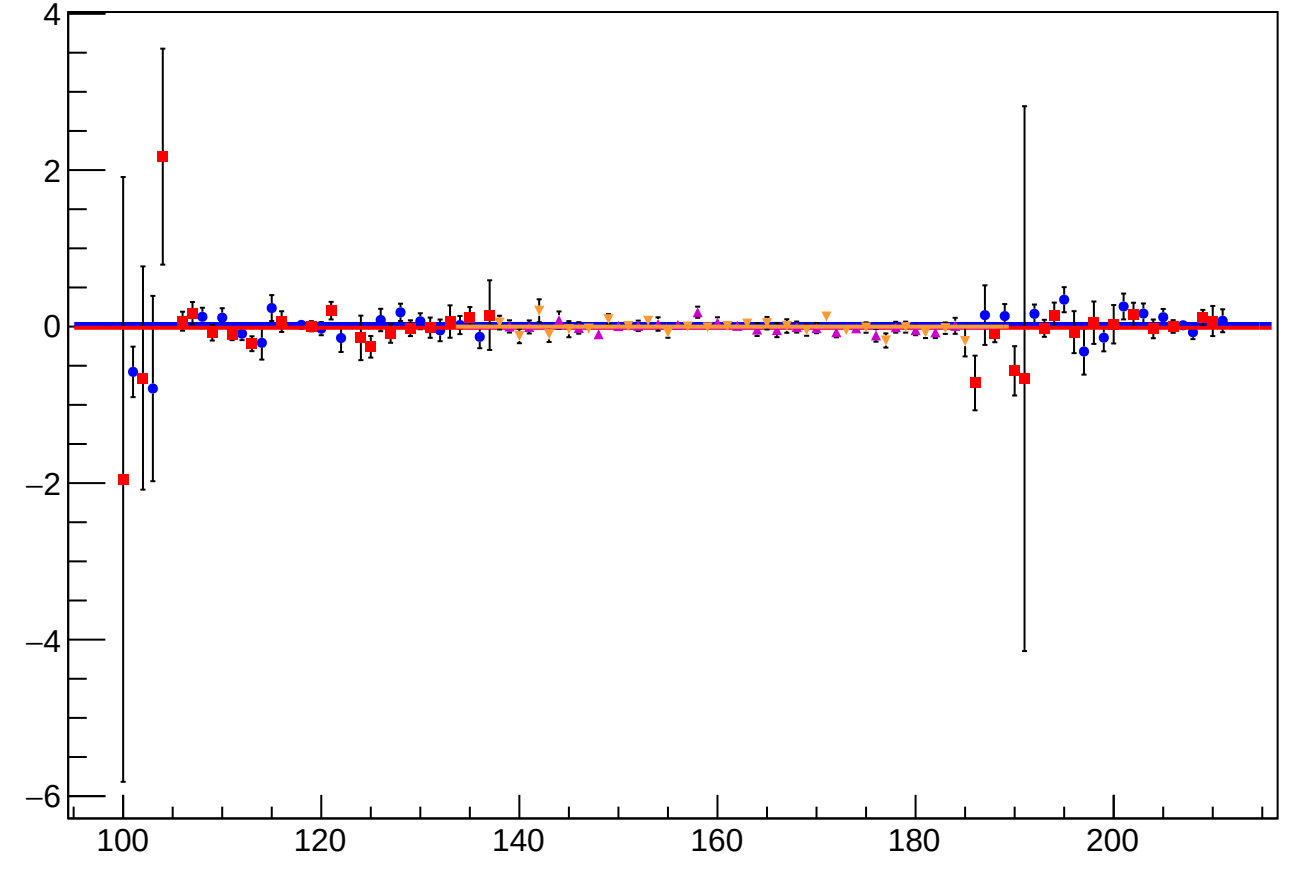
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 20690377.2/60

In: 0.001+/-0.000 χ^2/NDF:18388432.7/50

Out: 0.001+/-0.000 χ^2/NDF:21138428.7/57

All: 0.001+/-0.000 χ^2/NDF: 39528555.9/108



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.023 χ^2/NDF: 32.8/32

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

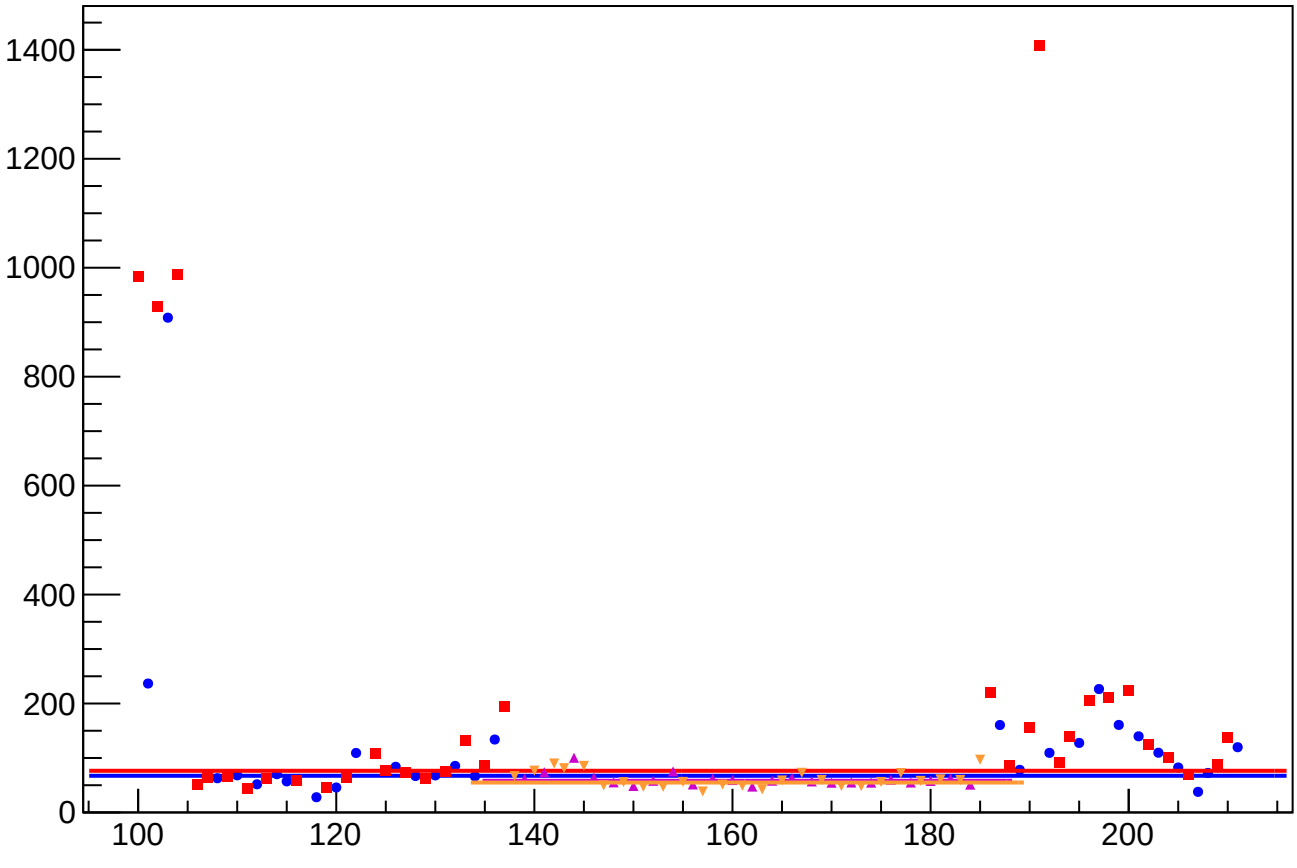
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.011+/-0.016 χ^2/NDF: 63.7/60

In: 0.005+/-0.012 χ^2/NDF:46.6/50

Out: -0.004+/-0.012 χ^2/NDF:55.6/57

All: 0.000+/-0.009 χ^2/NDF: 102.6/108



Right In: 67.349+/-0.015 χ^2/NDF: 6747145.6/27

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471572.6/32

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

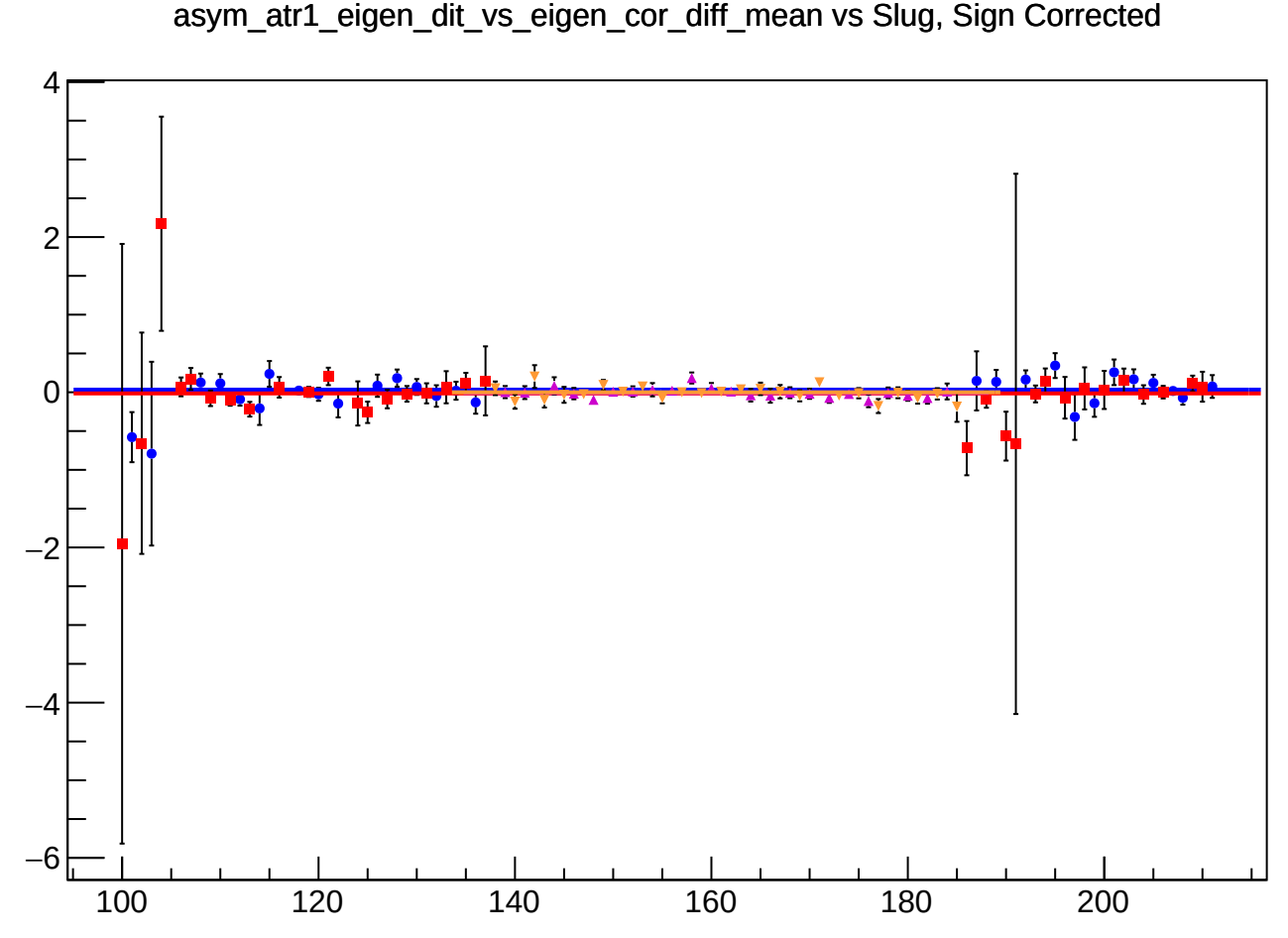
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 71.658+/-0.011 χ^2/NDF: 13390204.3/60

In: 61.119+/-0.009 χ^2/NDF:7654142.4/50

Out: 60.921+/-0.008 χ^2/NDF:9070136.2/57

All: 61.018+/-0.006 χ^2/NDF: 16724548.2/108



Right In: 0.033+/-0.021 χ^2/NDF: 28.6/27

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.015+/-0.023 χ^2/NDF: 32.8/32

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

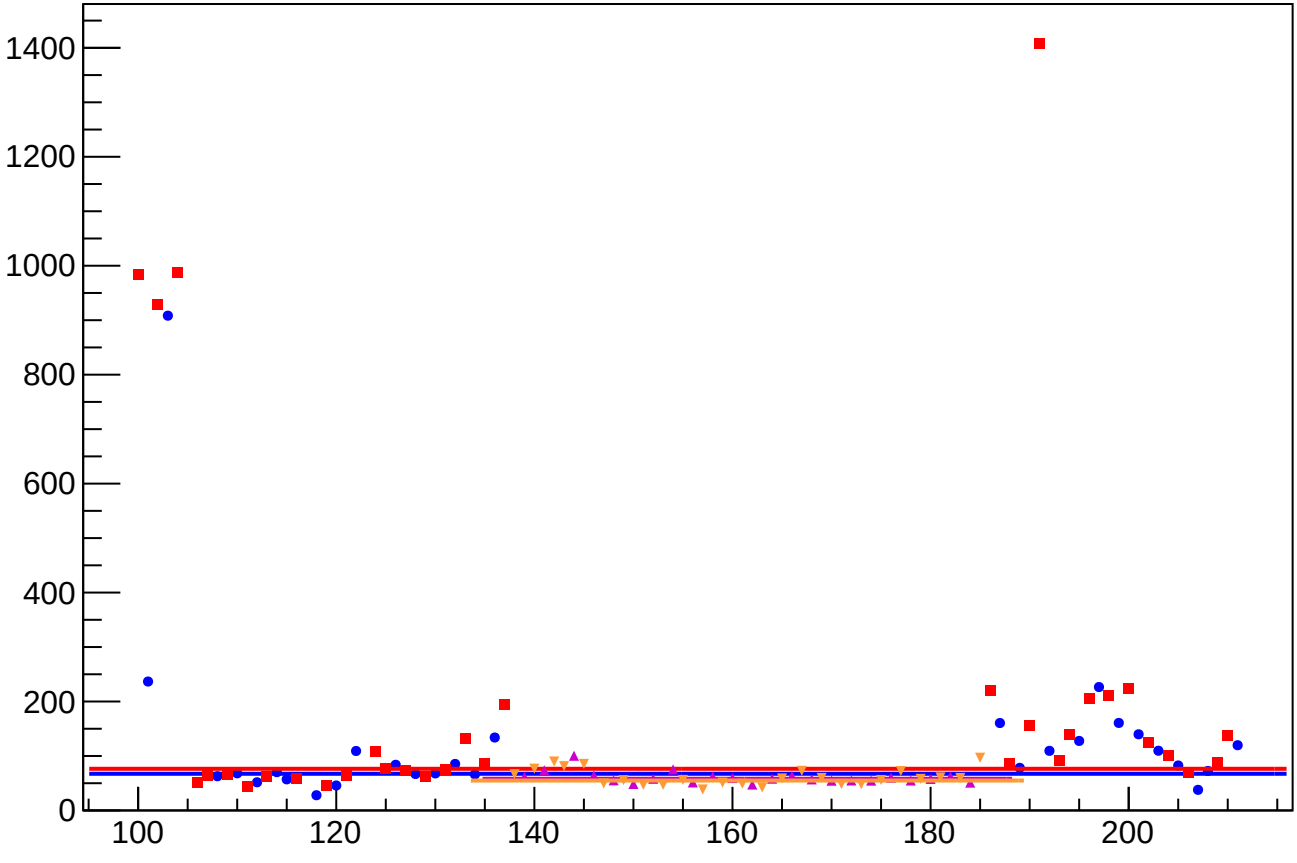
Right: 0.011+/-0.016 χ^2/NDF: 63.7/60

In: 0.005+/-0.012 χ^2/NDF:46.6/50

Out: -0.004+/-0.012 χ^2/NDF:55.6/57

All: 0.000+/-0.009 χ^2/NDF: 102.6/108

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.349+/-0.015 χ^2/NDF: 6747145.6/27

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 76.499+/-0.016 χ^2/NDF: 6471572.6/32

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

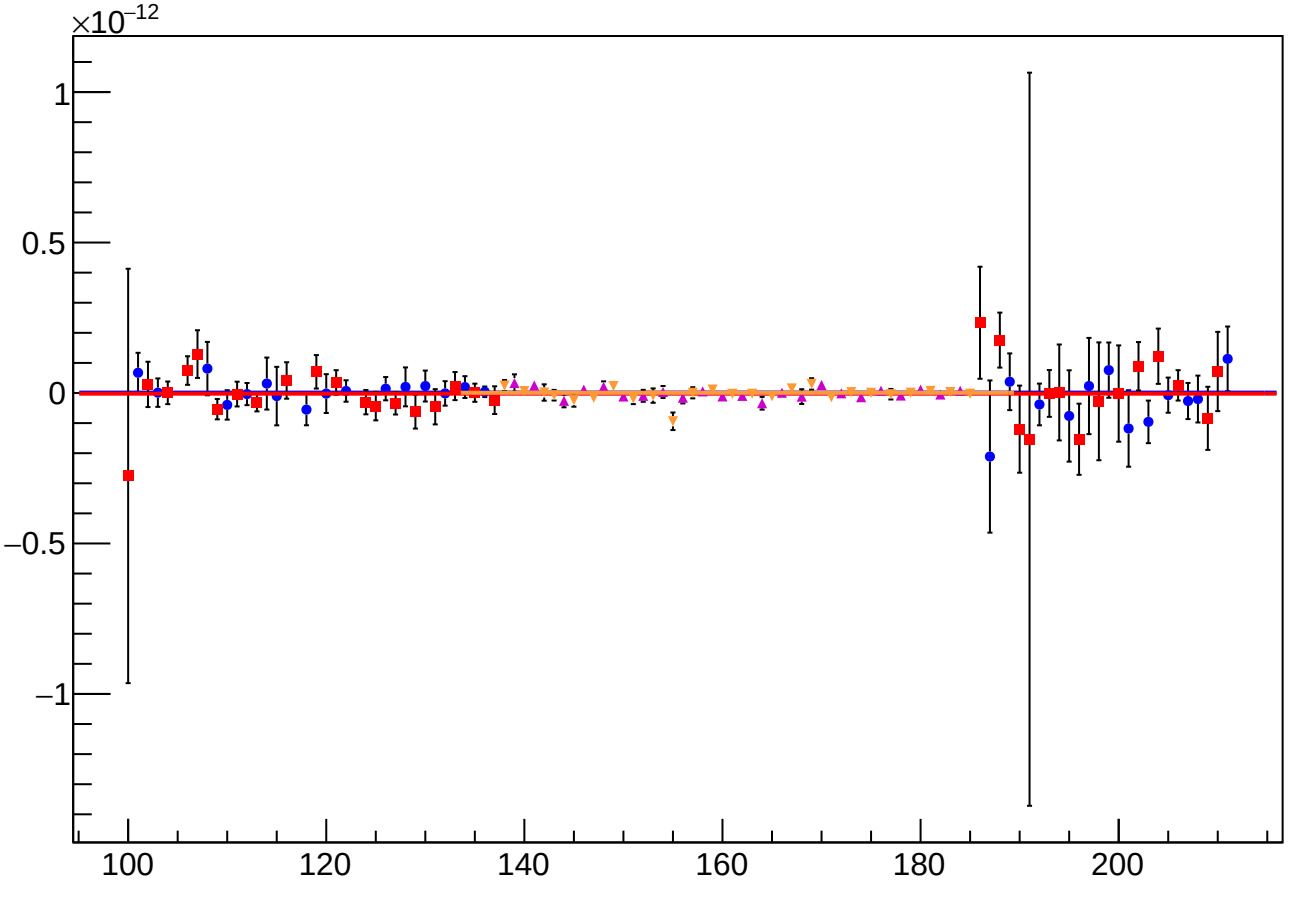
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 71.658+/-0.011 χ^2/NDF: 13390204.3/60

In: 61.119+/-0.009 χ^2/NDF:7654142.4/50

Out: 60.921+/-0.008 χ^2/NDF:9070136.2/57

All: 61.018+/-0.006 χ^2/NDF: 16724548.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/32

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

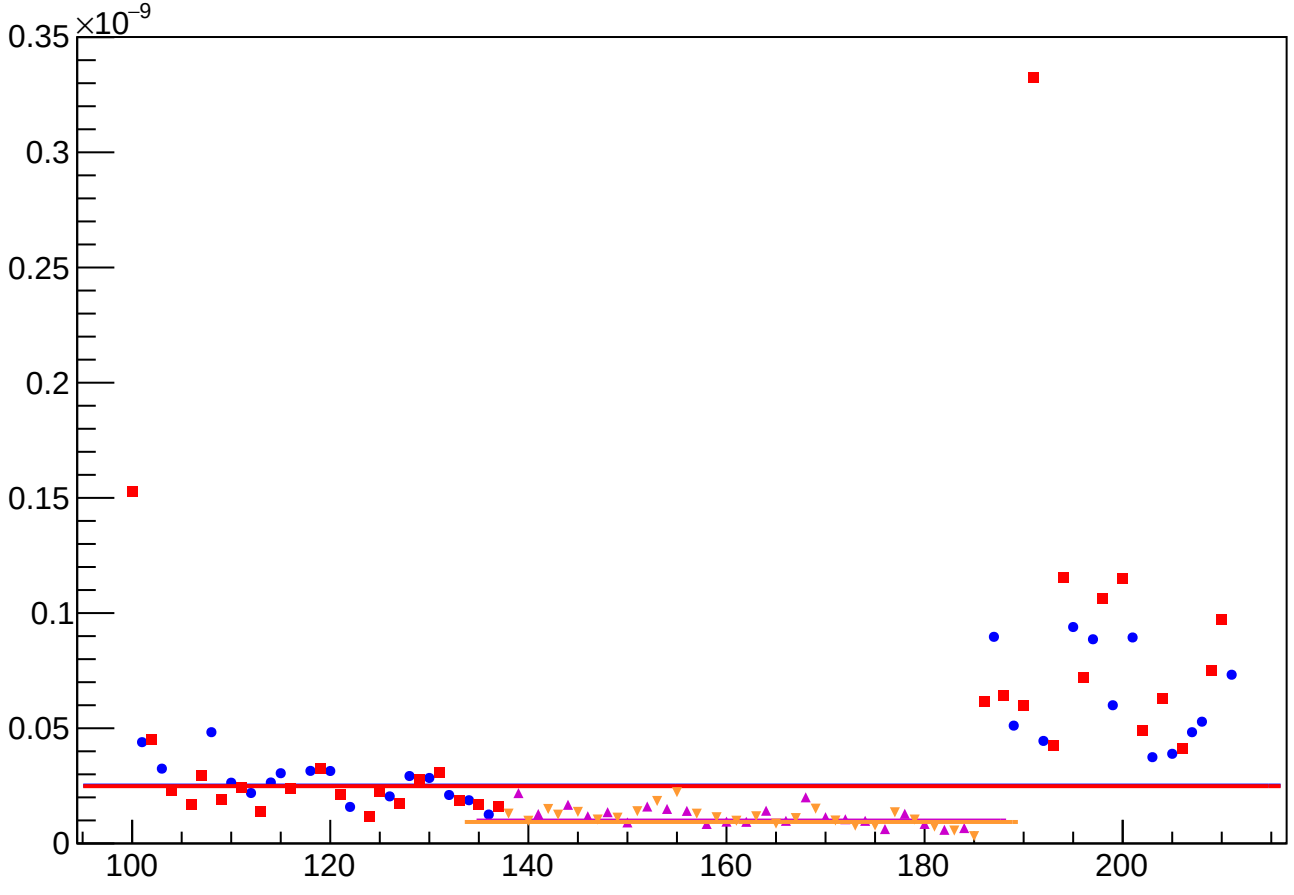
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 39.3/60

In: 0.000+/-0.000 χ^2/NDF:31.1/50

Out: 0.000+/-0.000 χ^2/NDF:53.8/57

All: 0.000+/-0.000 χ^2/NDF: 84.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 4802406.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5792459.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

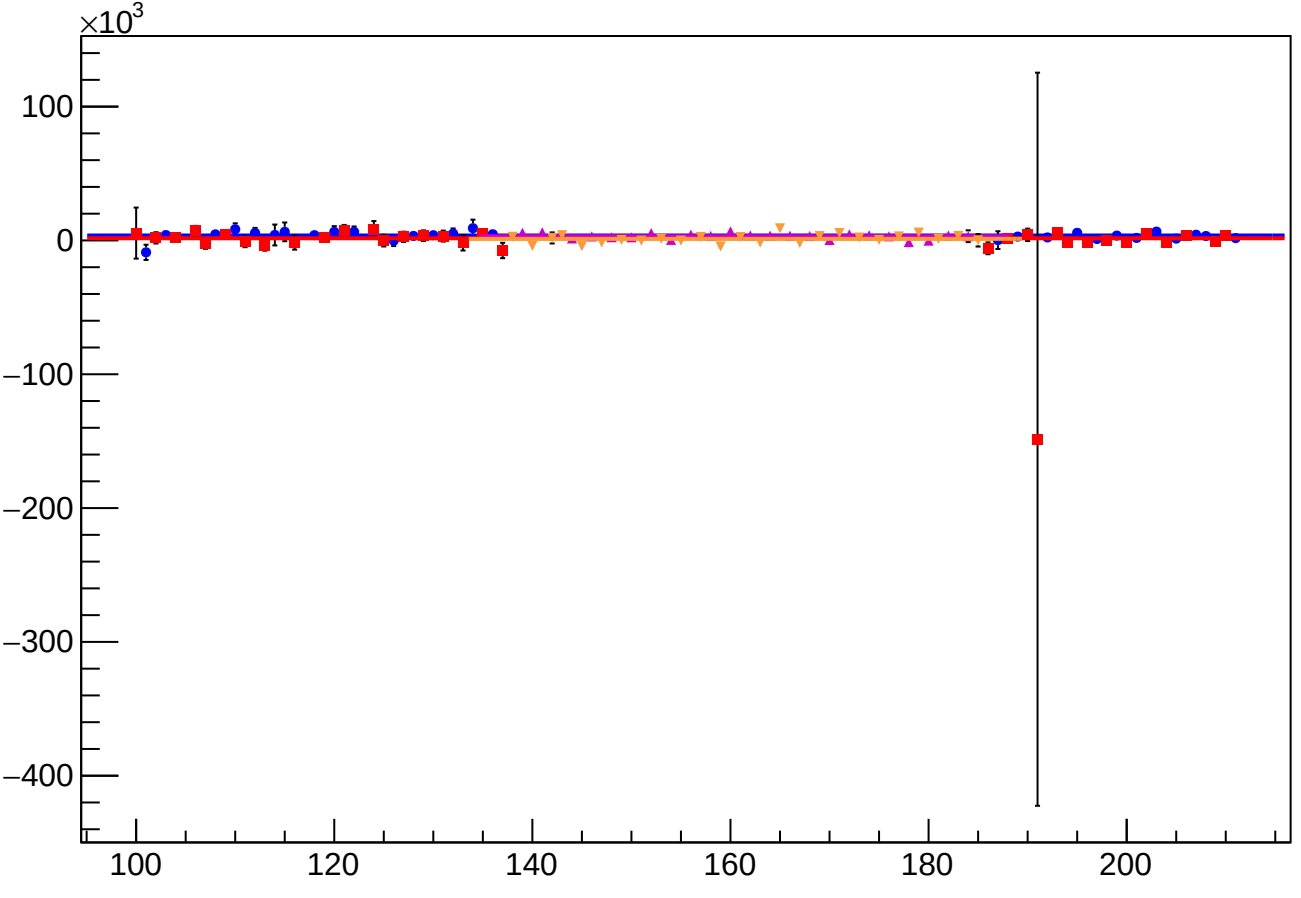
Right: 0.000+/-0.000 χ^2/NDF: 10595597.0/60

In: 0.000+/-0.000 χ^2/NDF:12057676.1/50

Out: 0.000+/-0.000 χ^2/NDF:13816846.1/57

All: 0.000+/-0.000 χ^2/NDF: 25948493.6/108

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3688.355+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1633.582+/-629.986 χ^2/NDF: 28.5/32

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

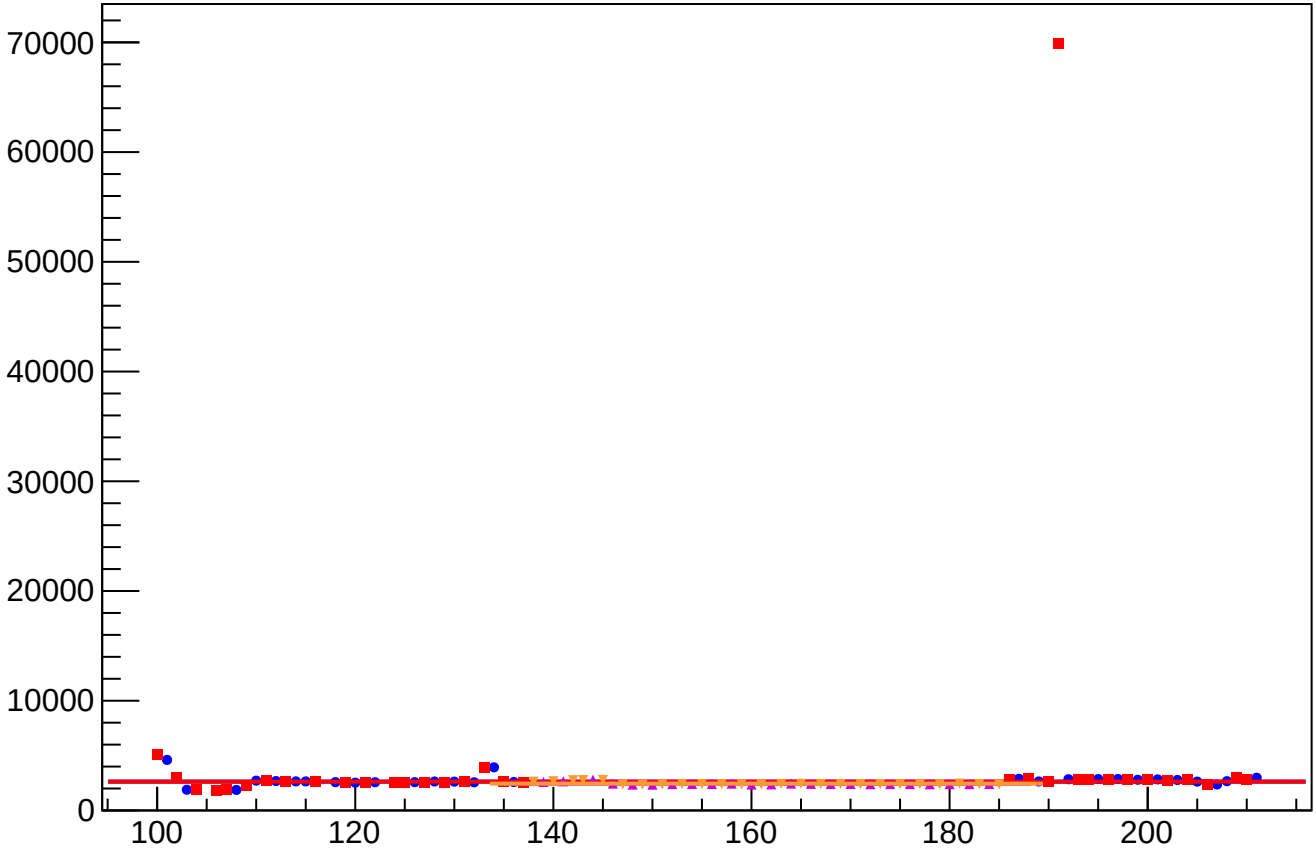
Right: 2625.381+/-453.117 χ^2/NDF: 47.0/60

In: 3381.307+/-428.856 χ^2/NDF:26.4/50

Out: 1383.667+/-416.969 χ^2/NDF:59.9/57

All: 2354.418+/-298.956 χ^2/NDF: 97.5/108

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2629.411+/-0.461 χ^2/NDF: 744664.1/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.255+/-0.445 χ^2/NDF: 790231.4/32

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

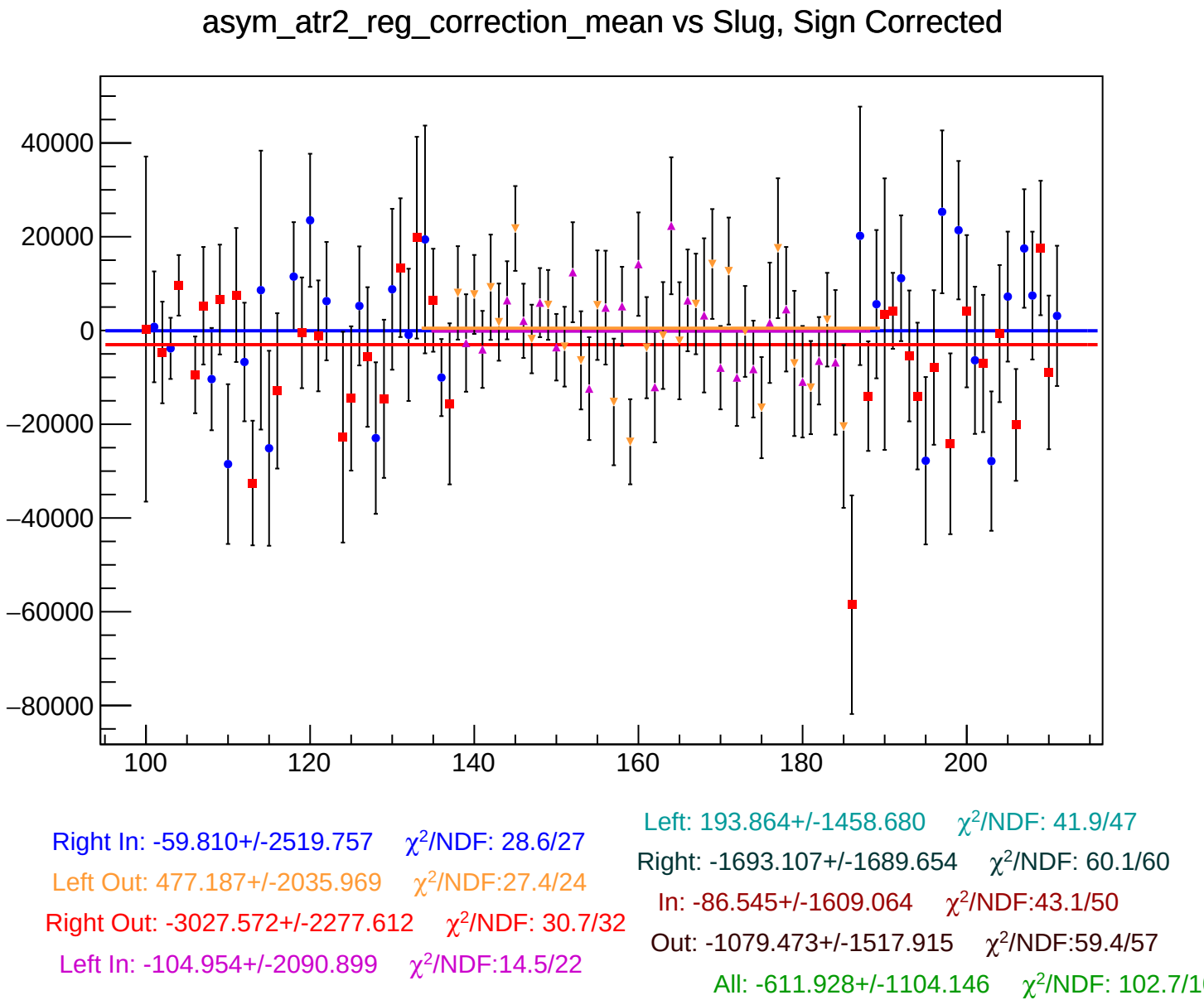
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

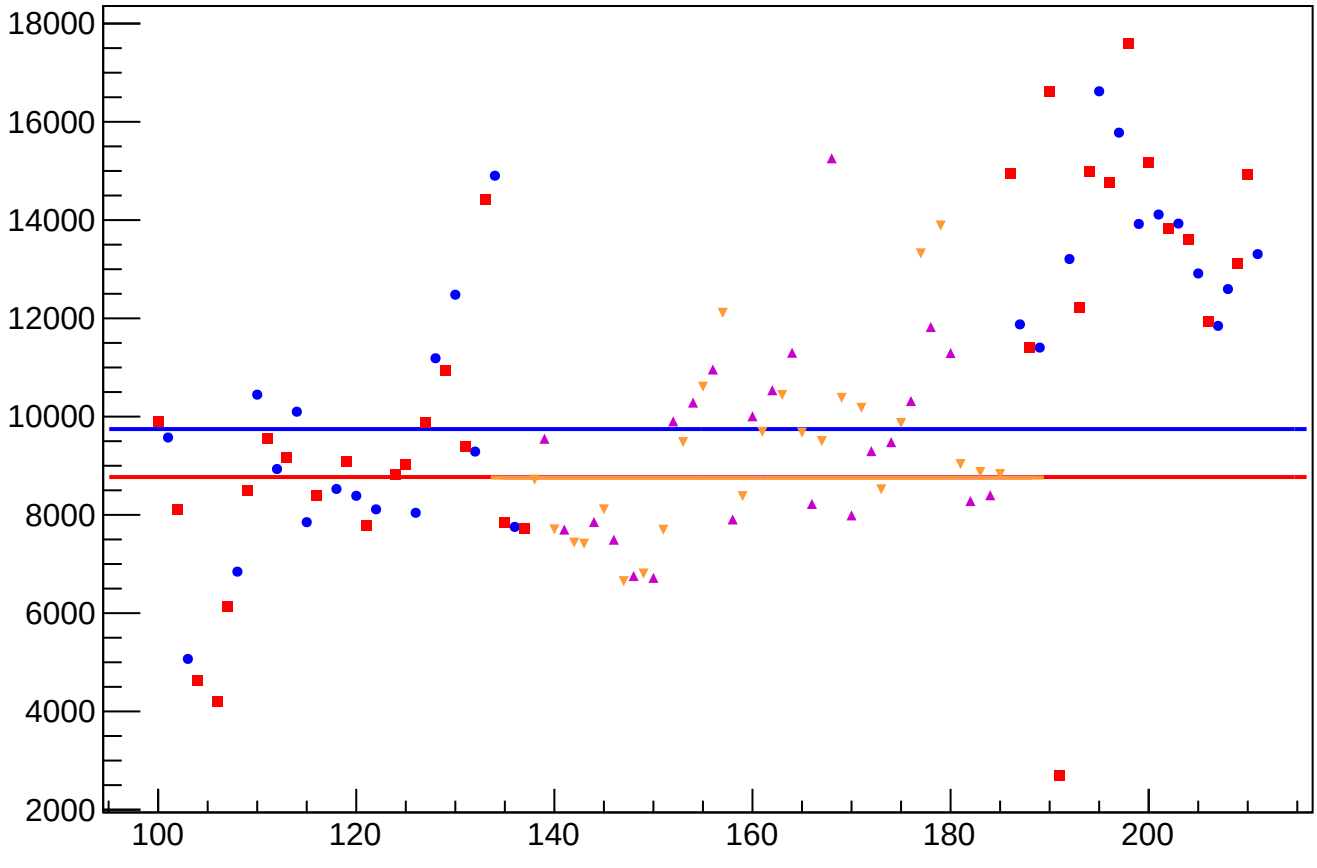
Right: 2626.227+/-0.320 χ^2/NDF: 1534987.7/60

In: 2519.598+/-0.303 χ^2/NDF:903742.9/50

Out: 2523.553+/-0.295 χ^2/NDF:969392.0/57

All: 2521.631+/-0.211 χ^2/NDF: 1873222.3/10


asym_atr2_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -59.810+/-2519.757 χ²/NDF: 28.6/27
Left Out: 477.187+/-2035.969 χ²/NDF:27.4/24
Right Out: -3027.572+/-2277.612 χ²/NDF: 30.7/32
Left In: -104.954+/-2090.899 χ²/NDF:14.5/22
Left: 193.864+/-1458.680 χ²/NDF: 41.9/47
Right: -1693.107+/-1689.654 χ²/NDF: 60.1/60
In: -86.545+/-1609.064 χ²/NDF:43.1/50
Out: -1079.473+/-1517.915 χ²/NDF:59.4/57
All: -611.928+/-1104.146 χ²/NDF: 102.7/108



Right In: 9746.697+/-1.782 χ^2/NDF: 3120957.4/27

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8770.244+/-1.611 χ^2/NDF: 5781840.5/32

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

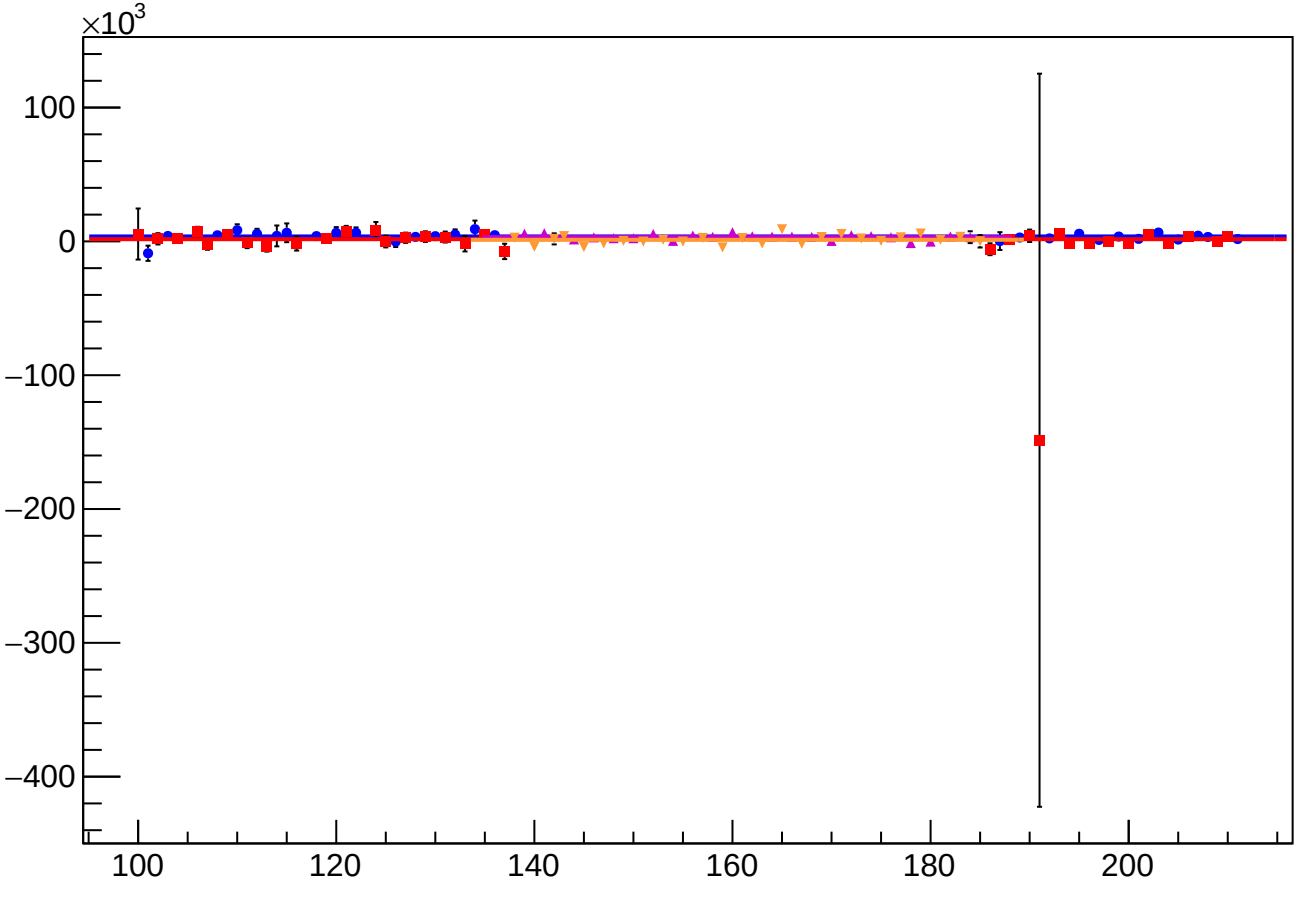
Right: 9209.308+/-1.195 χ^2/NDF: 9068090.1/60

In: 9164.809+/-1.138 χ^2/NDF:4592755.0/50

Out: 8764.347+/-1.073 χ^2/NDF:7004102.6/57

All: 8952.915+/-0.781 χ^2/NDF: 11662406.4/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3688.222+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1633.918+/-629.989 χ^2/NDF: 28.5/32

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

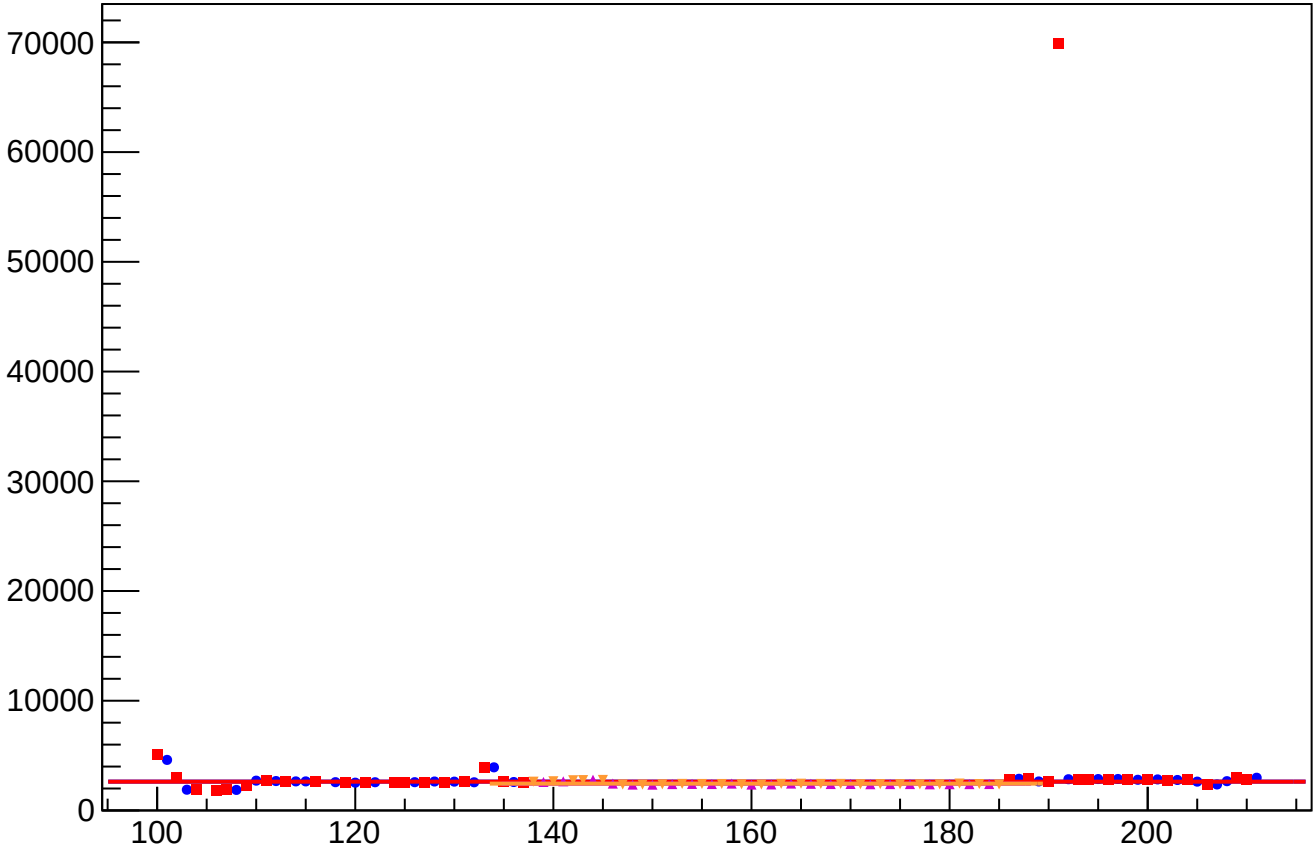
Right: 2625.494+/-453.118 χ^2/NDF: 47.0/60

In: 3381.137+/-428.856 χ^2/NDF:26.4/50

Out: 1383.718+/-416.970 χ^2/NDF:60.0/57

All: 2354.364+/-298.956 χ^2/NDF: 97.5/108

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2629.412+/-0.461 χ^2/NDF: 744661.4/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.268+/-0.445 χ^2/NDF: 790156.0/32

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

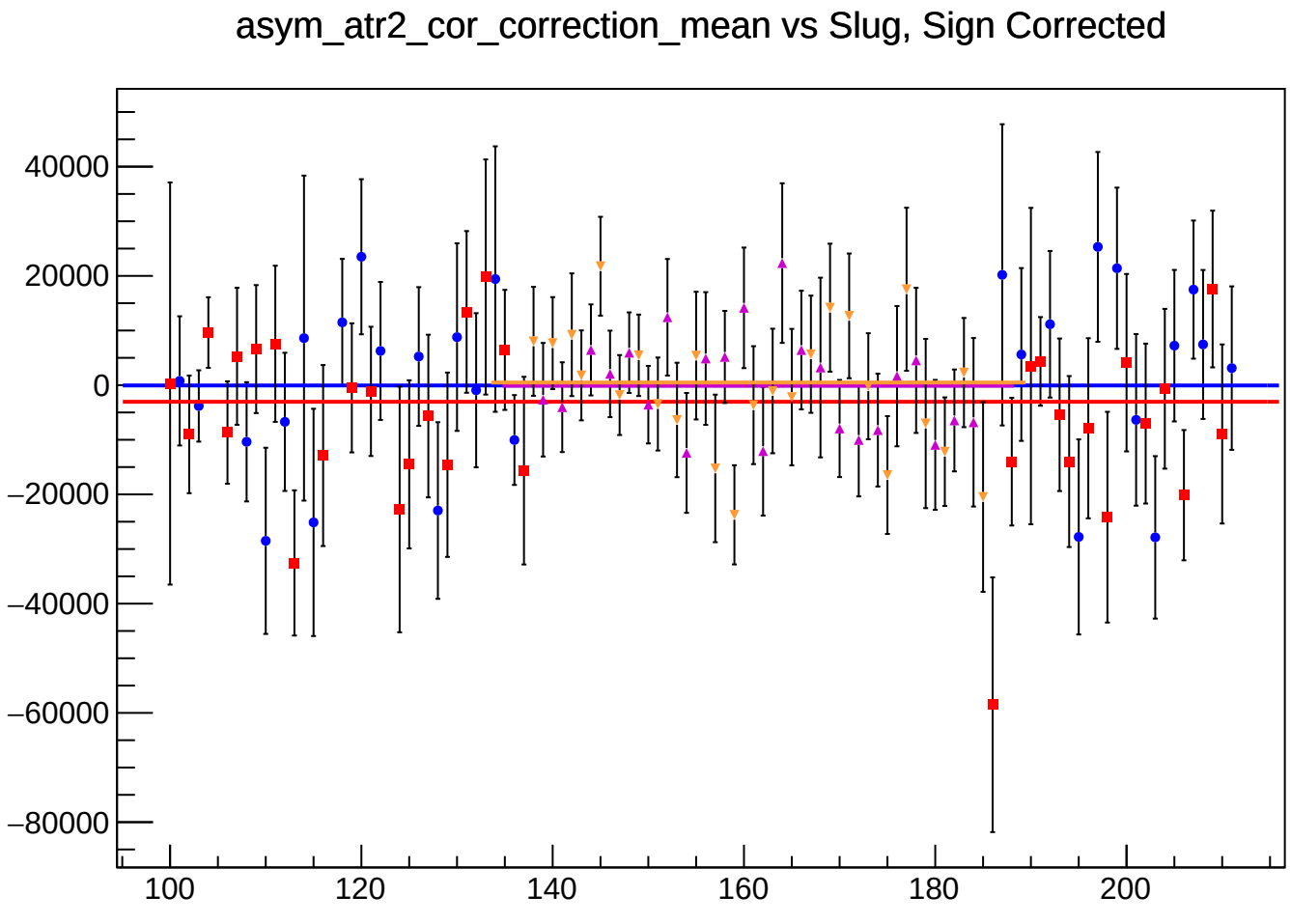
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2626.233+/-0.320 χ^2/NDF: 1534909.2/60

In: 2519.598+/-0.303 χ^2/NDF:903740.6/50

Out: 2523.558+/-0.295 χ^2/NDF:969328.9/57

All: 2521.634+/-0.211 χ^2/NDF: 1873157.2/10



Right In: -59.454+/-2519.805 χ^2/NDF: 28.6/27

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3045.652+/-2298.294 χ^2/NDF: 30.8/32

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

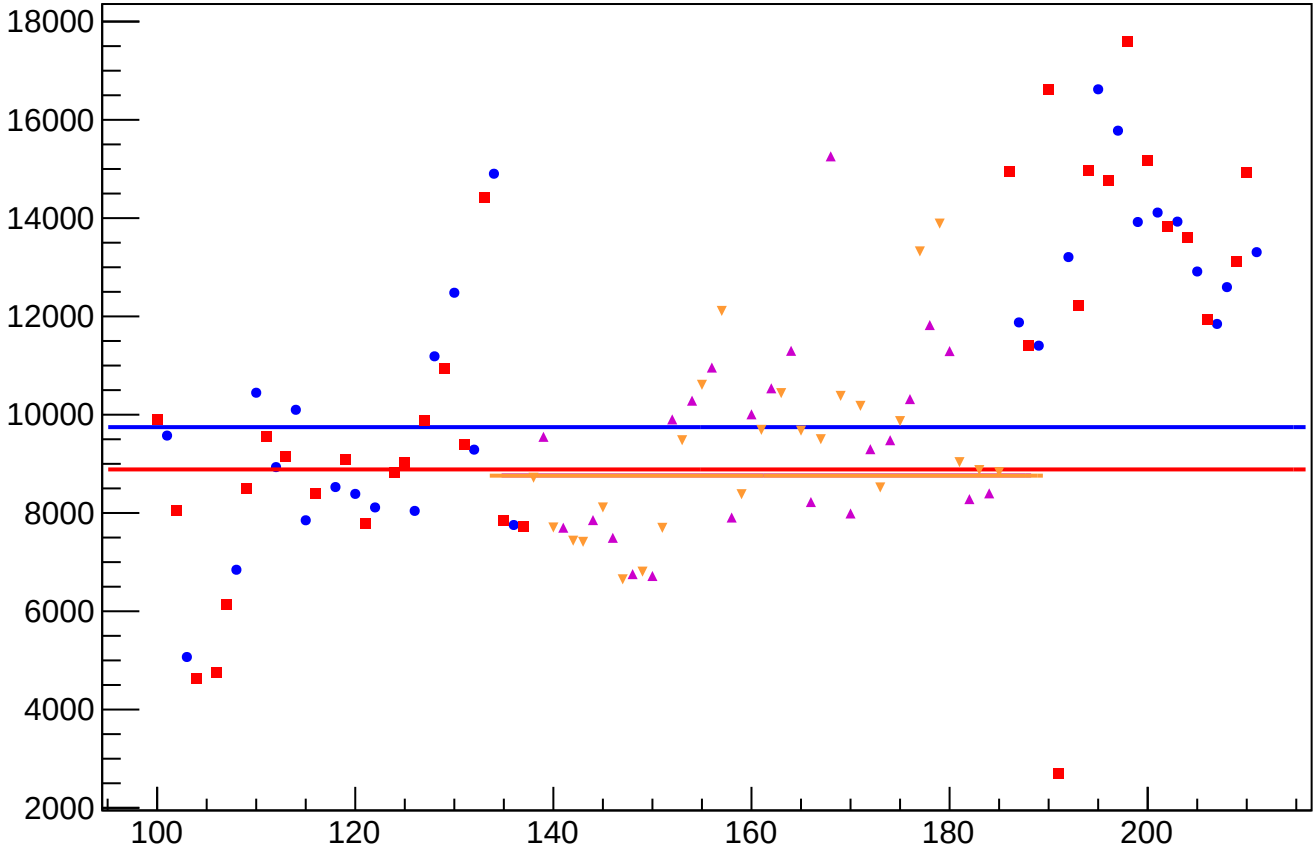
Right: -1689.554+/-1698.061 χ^2/NDF: 60.2/60

In: -86.443+/-1609.076 χ^2/NDF:43.1/50

Out: -1071.788+/-1523.990 χ^2/NDF:59.5/57

All: -605.855+/-1106.481 χ^2/NDF: 102.8/108

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 9746.982+/-1.782 χ^2/NDF: 3120378.2/27

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF: 5519333.9/32

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

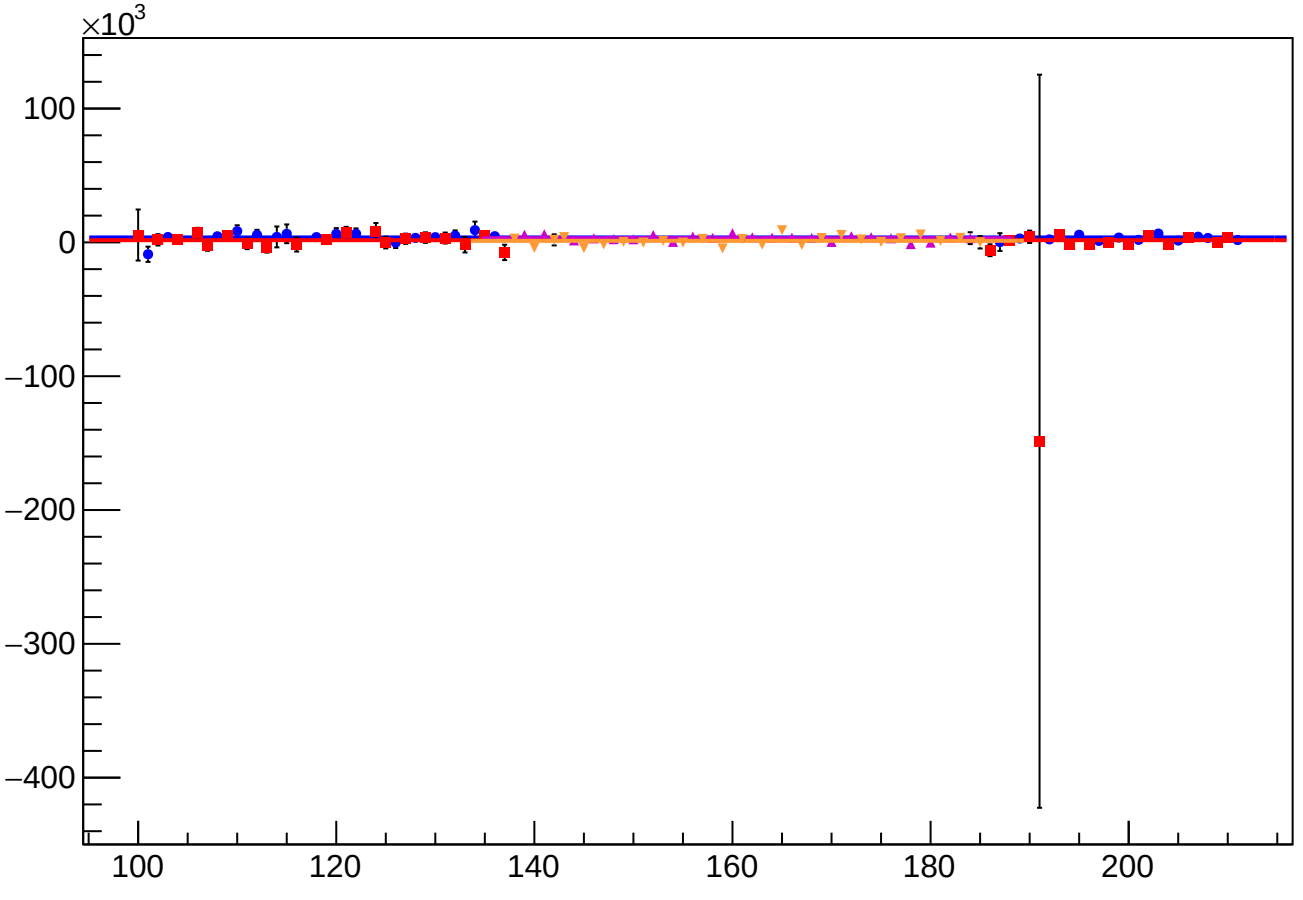
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9277.112+/-1.201 χ^2/NDF: 8767107.8/60

In: 9164.913+/-1.138 χ^2/NDF:4592279.8/50

Out: 8815.290+/-1.078 χ^2/NDF:6744982.9/57

All: 8980.614+/-0.782 χ^2/NDF: 11387036.3/1



Right In: 3688.222+/-652.200 χ^2/NDF: 13.3/27

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1633.918+/-629.989 χ^2/NDF: 28.5/32

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

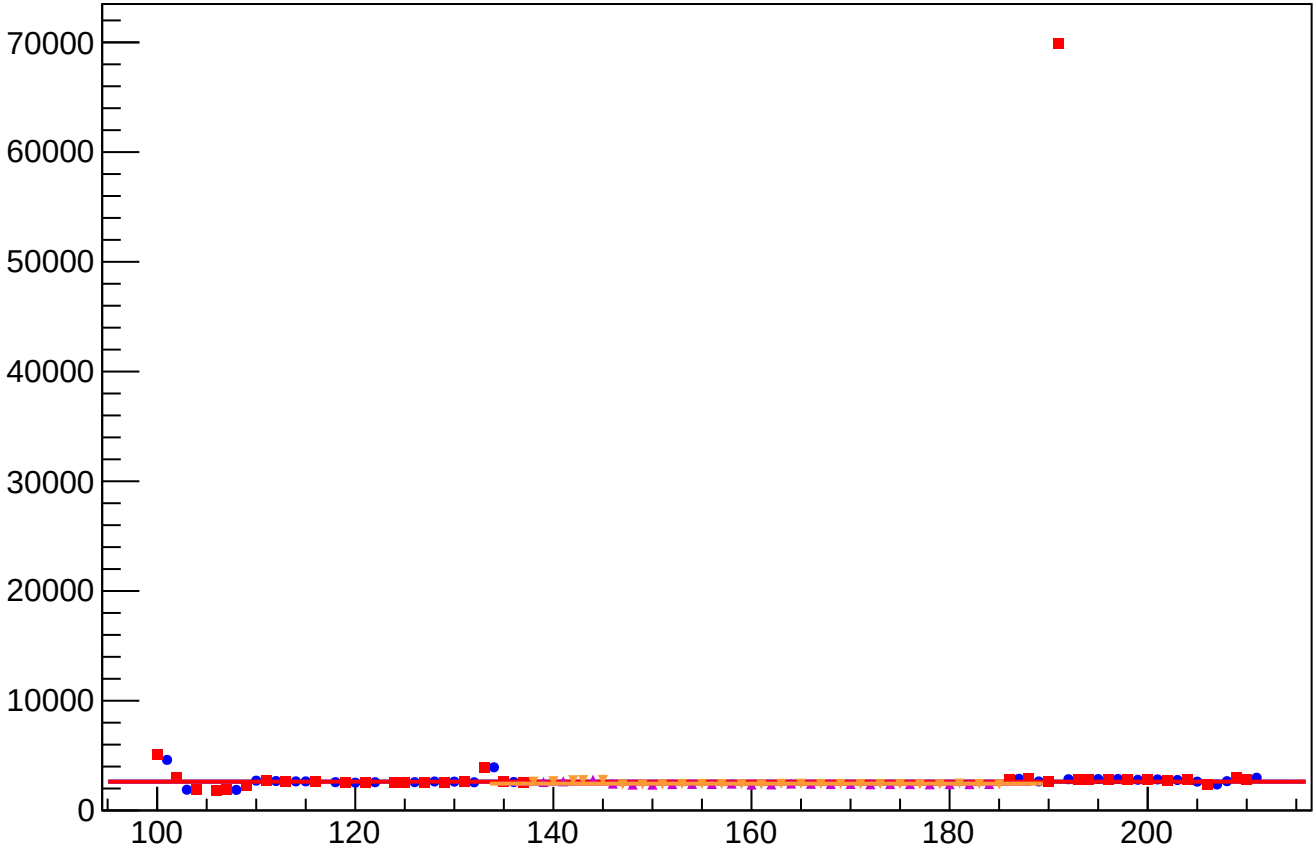
Right: 2625.494+/-453.118 χ^2/NDF: 47.0/60

In: 3381.137+/-428.856 χ^2/NDF:26.4/50

Out: 1383.718+/-416.970 χ^2/NDF:60.0/57

All: 2354.364+/-298.956 χ^2/NDF: 97.5/108

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2629.412+/-0.461 χ^2/NDF: 744661.4/27

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2623.268+/-0.445 χ^2/NDF: 790156.0/32

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

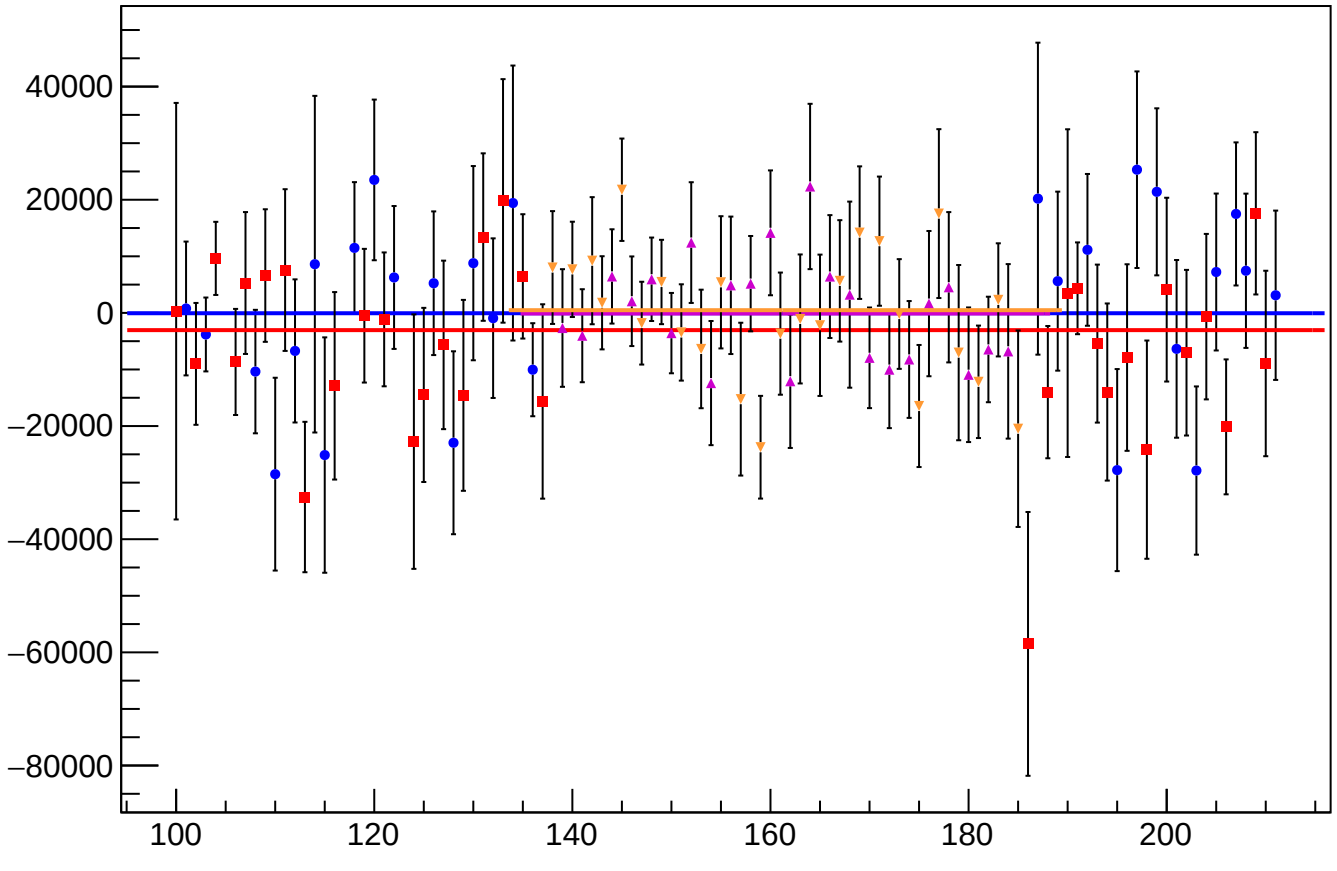
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2626.233+/-0.320 χ^2/NDF: 1534909.2/60

In: 2519.598+/-0.303 χ^2/NDF:903740.6/50

Out: 2523.558+/-0.295 χ^2/NDF:969328.9/57

All: 2521.634+/-0.211 χ^2/NDF: 1873157.2/10



Right In: -59.454+/-2519.805 χ^2/NDF: 28.6/27

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3045.652+/-2298.294 χ^2/NDF: 30.8/32

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

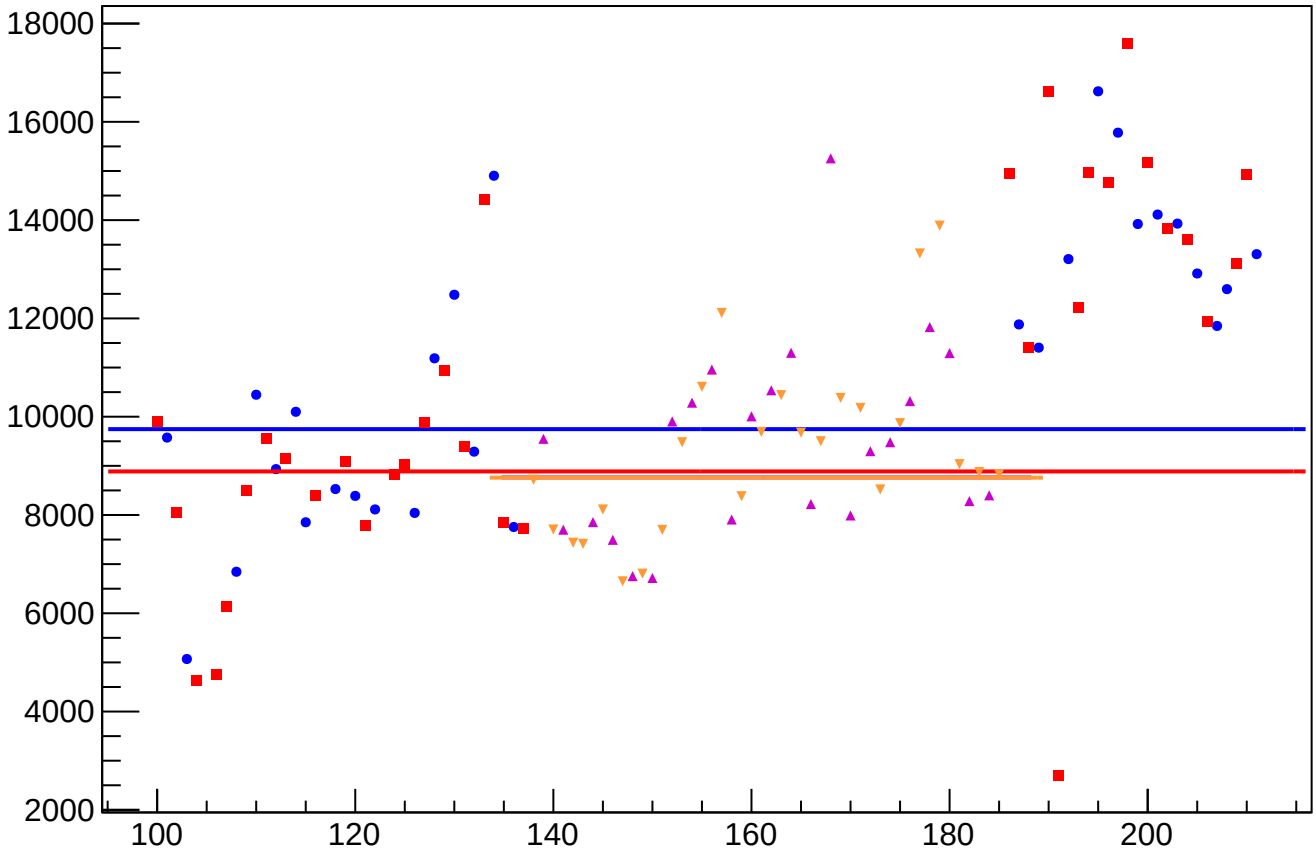
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1689.554+/-1698.061 χ^2/NDF: 60.2/60

In: -86.443+/-1609.076 χ^2/NDF:43.1/50

Out: -1071.788+/-1523.990 χ^2/NDF:59.5/57

All: -605.855+/-1106.481 χ^2/NDF: 102.8/108



Right In: 9746.982+/-1.782 χ^2/NDF: 3120378.2/27

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8886.224+/-1.625 χ^2/NDF: 5519333.9/32

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

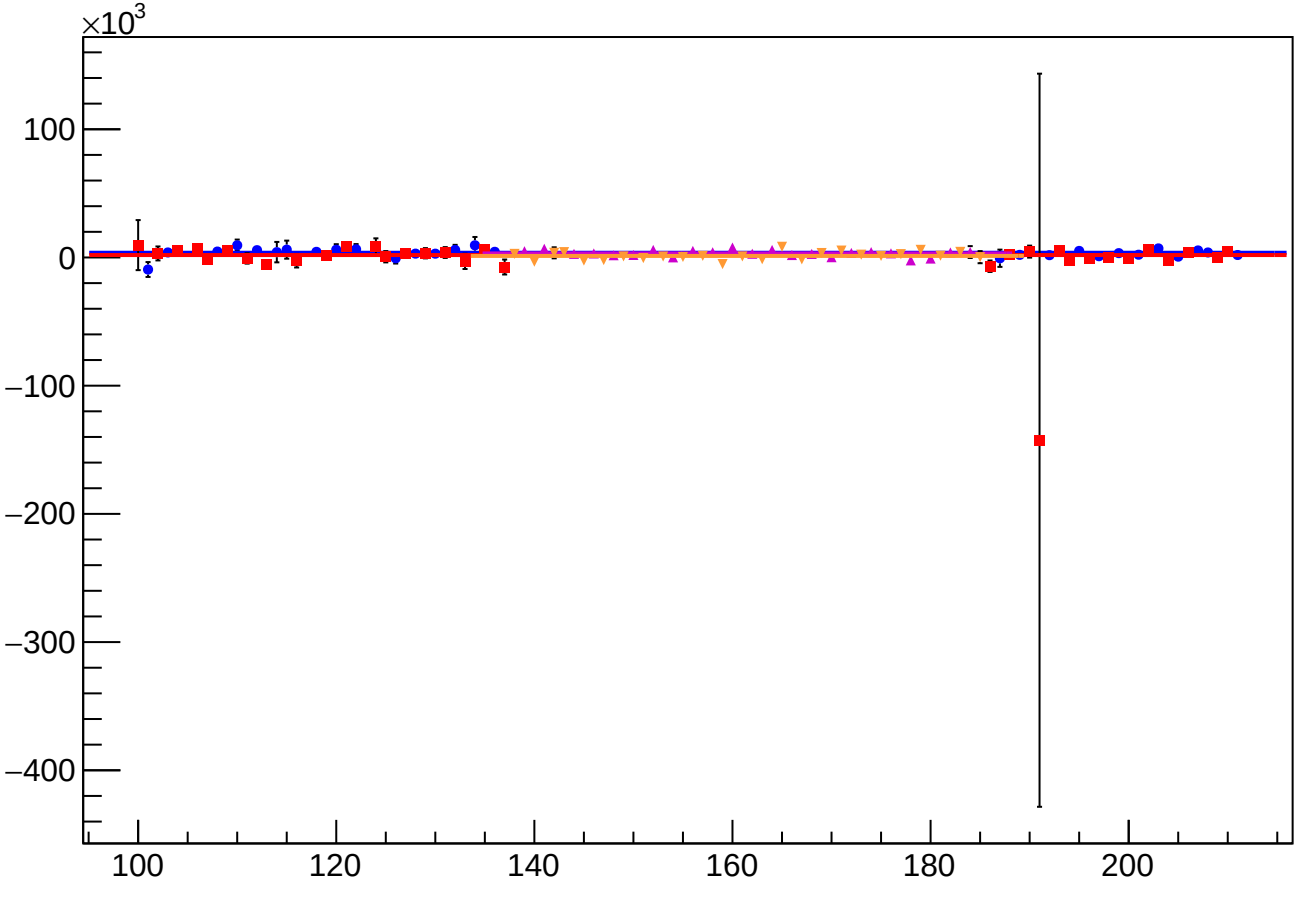
Right: 9277.112+/-1.201 χ^2/NDF: 8767107.8/60

In: 9164.913+/-1.138 χ^2/NDF:4592279.8/50

Out: 8815.290+/-1.078 χ^2/NDF:6744982.9/57

All: 8980.614+/-0.782 χ^2/NDF: 11387036.3/1

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3689.118+/-671.150 χ^2/NDF: 15.7/27

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1890.054+/-650.266 χ^2/NDF: 32.6/32

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

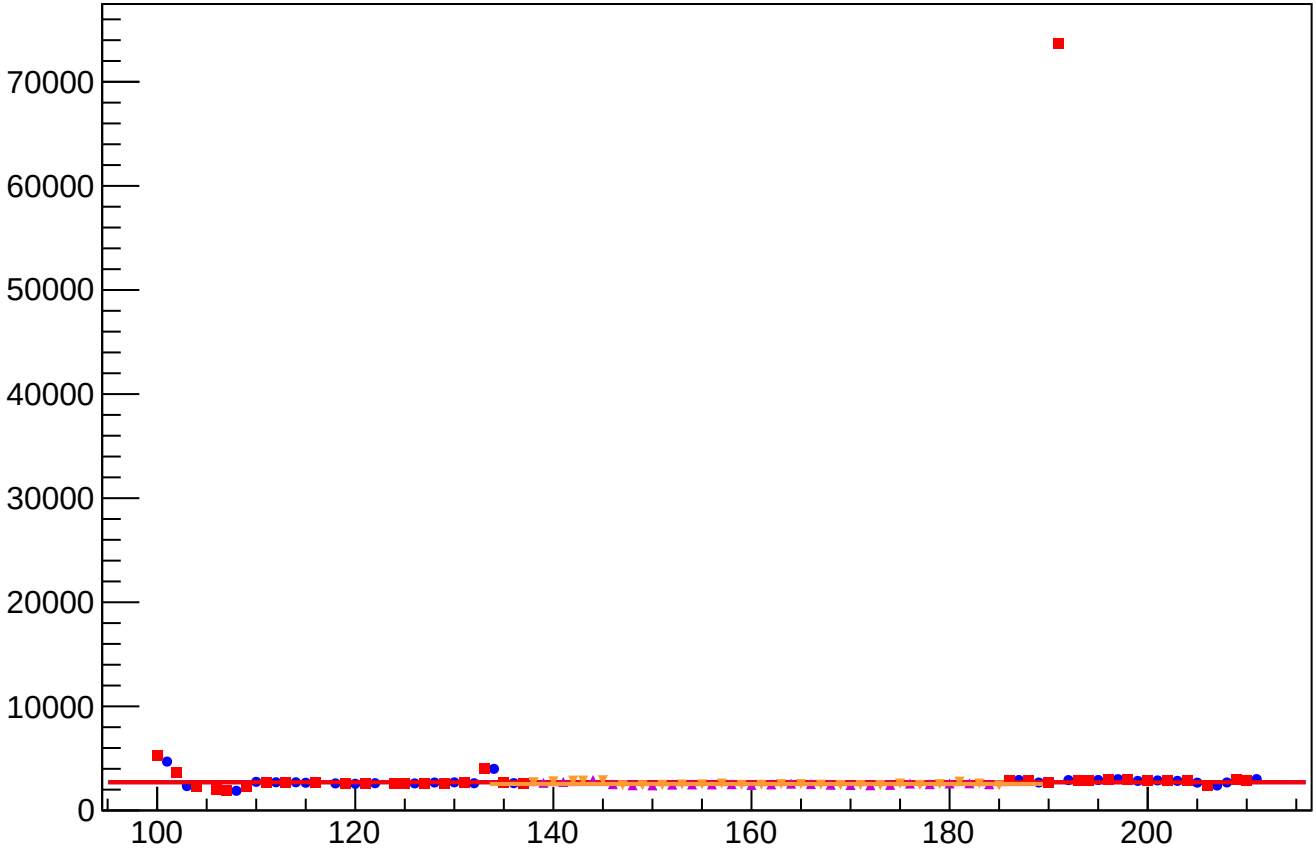
Right: 2761.160+/-467.016 χ^2/NDF: 52.0/60

In: 3386.111+/-444.016 χ^2/NDF:32.5/50

Out: 1513.294+/-432.713 χ^2/NDF:60.0/57

All: 2425.561+/-309.893 χ^2/NDF: 101.7/108

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2711.274+/-0.475 χ^2/NDF: 599963.8/27

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF: 689473.5/32

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

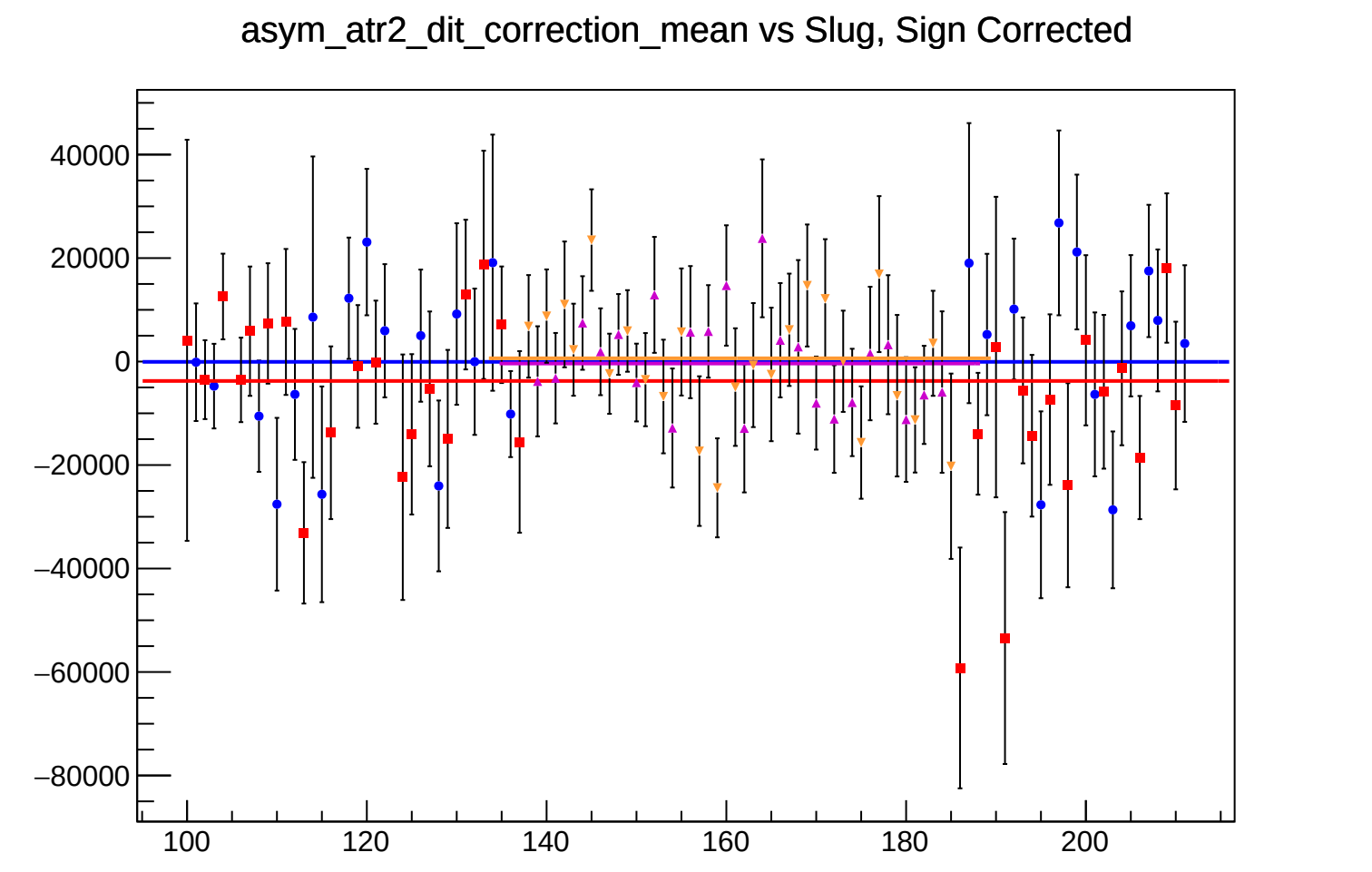
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2709.054+/-0.330 χ^2/NDF: 1289479.7/60

In: 2610.899+/-0.314 χ^2/NDF:747958.4/50

Out: 2617.944+/-0.306 χ^2/NDF:874104.7/57

All: 2614.513+/-0.219 χ^2/NDF: 1622321.3/10



Right In: -52.642+/-2599.519 χ^2/NDF: 28.5/27

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3747.976+/-2377.726 χ^2/NDF: 32.9/32

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

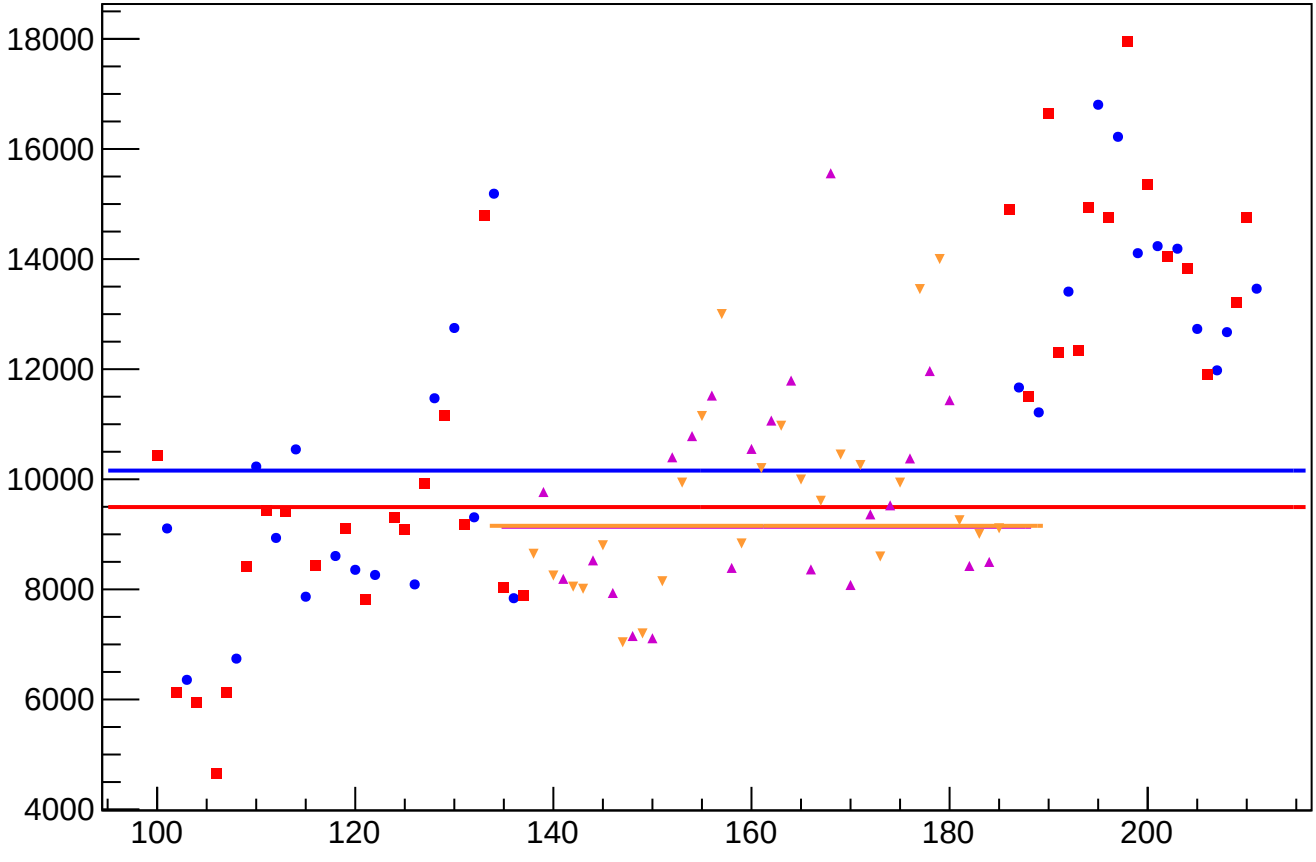
Right: -2064.652+/-1754.486 χ^2/NDF: 62.5/60

In: -243.880+/-1668.729 χ^2/NDF:42.8/50

Out: -1311.346+/-1583.657 χ^2/NDF:61.4/57

All: -805.515+/-1148.713 χ^2/NDF: 104.4/108

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 10157.996+/-1.838 χ^2/NDF: 2476926.3/27

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9495.251+/-1.681 χ^2/NDF: 4110983.1/32

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

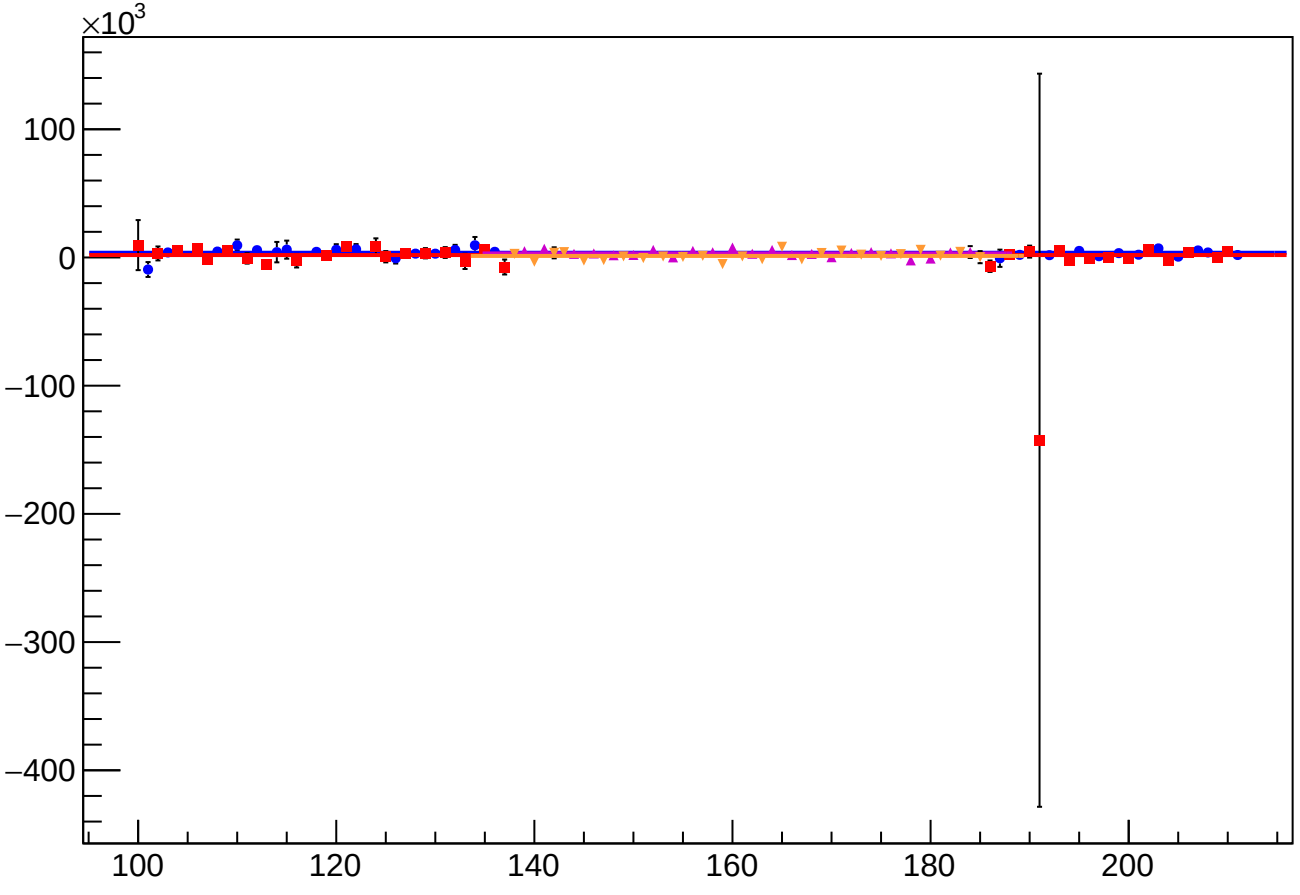
Right: 9797.149+/-1.241 χ^2/NDF: 6658689.7/60

In: 9558.075+/-1.180 χ^2/NDF:3830901.3/50

Out: 9305.765+/-1.120 χ^2/NDF:5205885.8/57

All: 9425.324+/-0.812 χ^2/NDF: 9060843.4/10

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3689.115+/-671.150 χ^2/NDF: 15.7/27

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1890.056+/-650.266 χ^2/NDF: 32.6/32

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

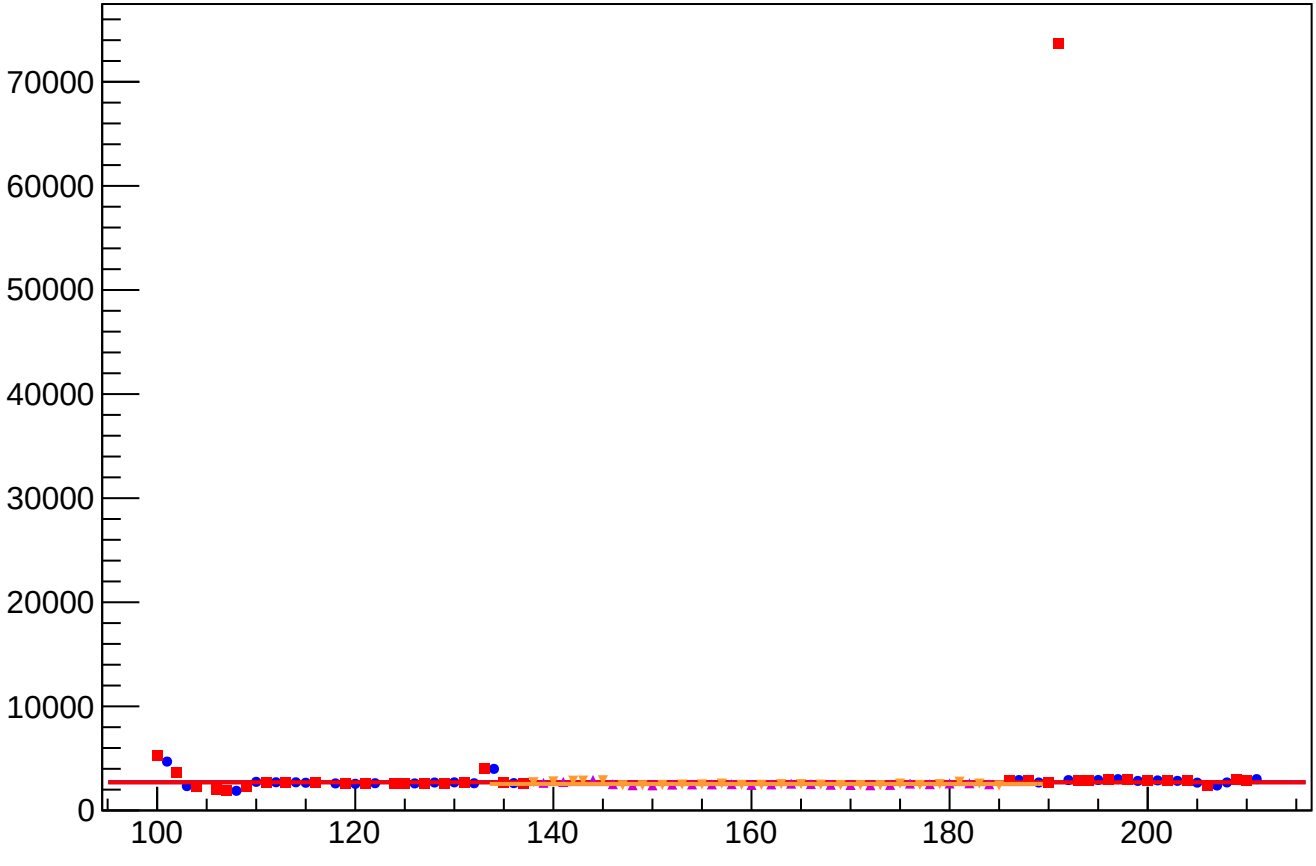
Right: 2761.160+/-467.016 χ^2/NDF: 52.0/60

In: 3386.109+/-444.016 χ^2/NDF:32.5/50

Out: 1513.289+/-432.713 χ^2/NDF:60.0/57

All: 2425.558+/-309.893 χ^2/NDF: 101.7/108

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2711.274+/-0.475 χ^2/NDF: 599964.7/27

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2706.971+/-0.460 χ^2/NDF: 689473.4/32

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

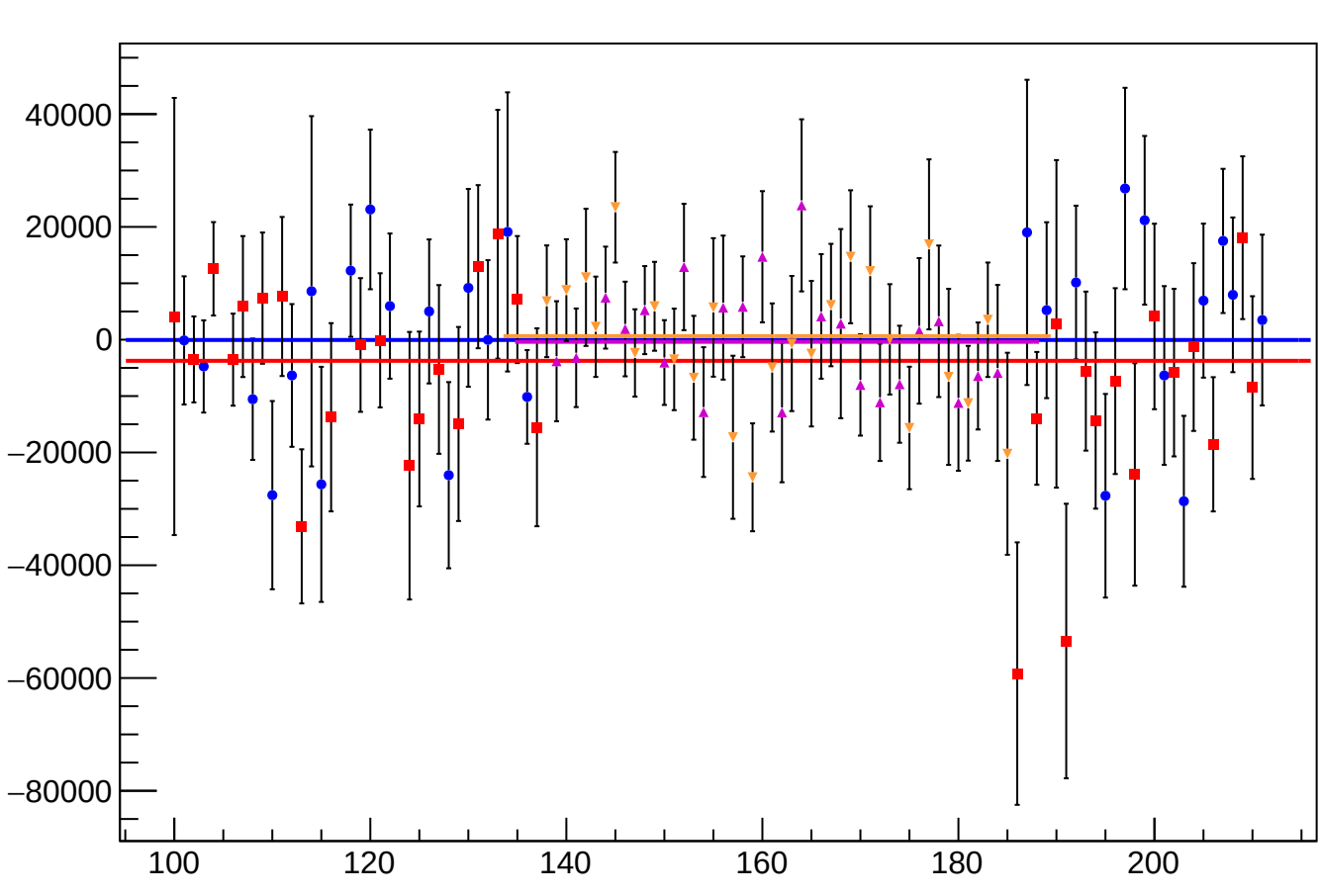
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2709.054+/-0.330 χ^2/NDF: 1289480.5/60

In: 2610.900+/-0.314 χ^2/NDF:747957.0/50

Out: 2617.945+/-0.306 χ^2/NDF:874103.2/57

All: 2614.513+/-0.219 χ^2/NDF: 1622318.4/10



Right In: -52.627+/-2599.518 χ^2/NDF: 28.5/27

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3747.967+/-2377.724 χ^2/NDF: 32.9/32

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

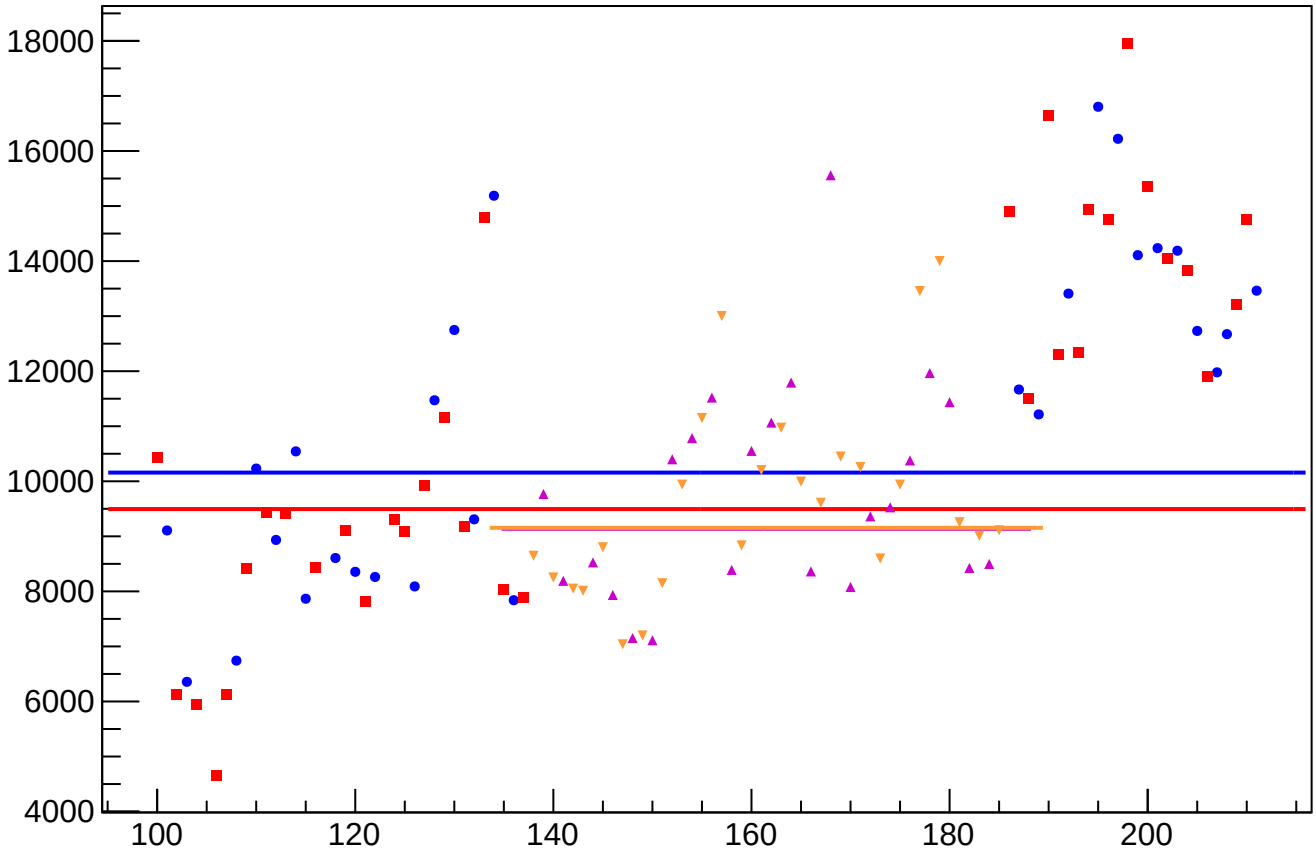
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2064.641+/-1754.485 χ^2/NDF: 62.5/60

In: -243.876+/-1668.730 χ^2/NDF:42.8/50

Out: -1311.350+/-1583.658 χ^2/NDF:61.4/57

All: -805.516+/-1148.713 χ^2/NDF: 104.4/108



Right In: 10157.990+/-1.838 χ^2/NDF: 2476940.9/27

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9495.241+/-1.681 χ^2/NDF: 4111003.9/32

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

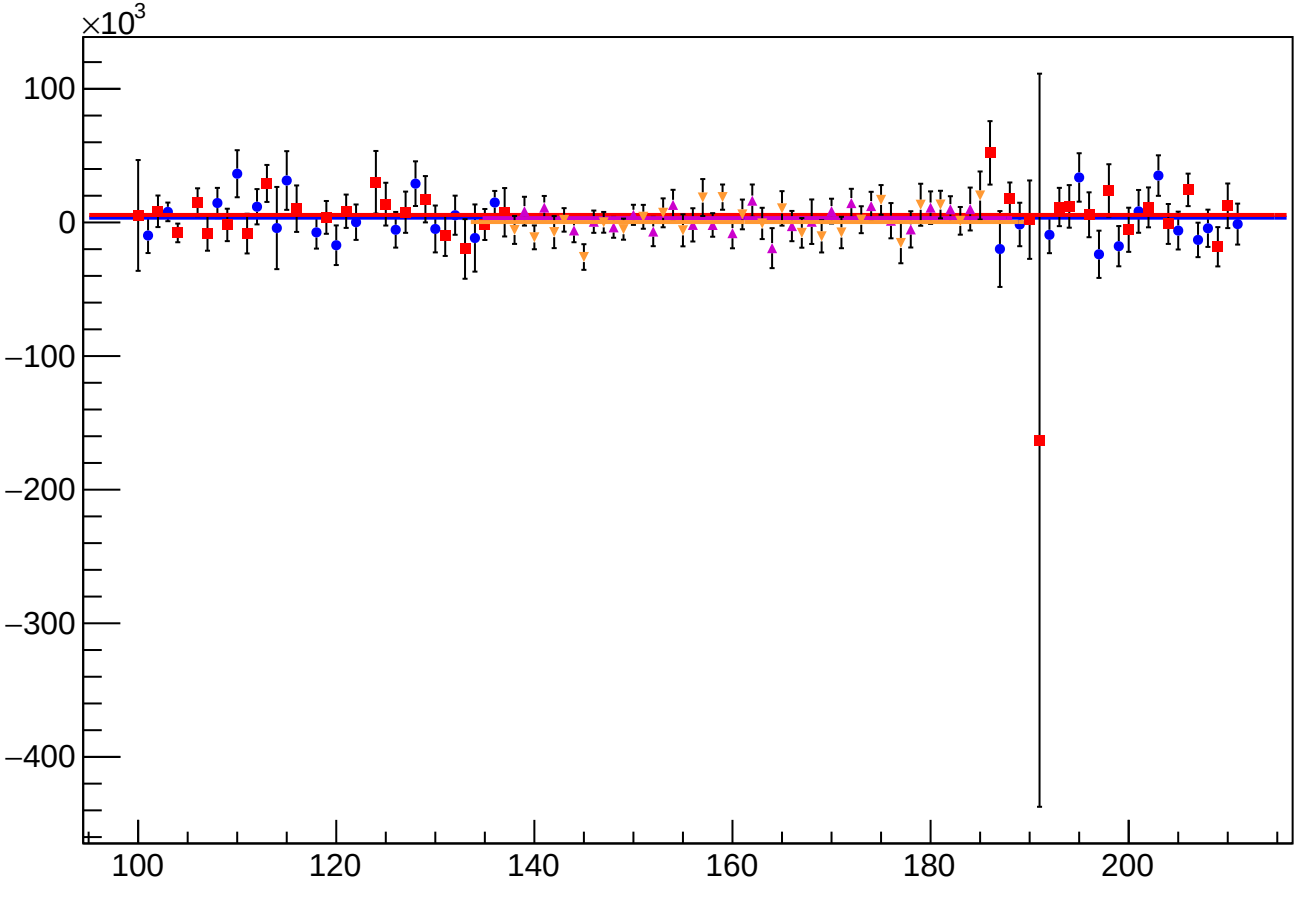
Right: 9797.141+/-1.241 χ^2/NDF: 6658726.2/60

In: 9558.081+/-1.180 χ^2/NDF:3830912.6/50

Out: 9305.769+/-1.120 χ^2/NDF:5205905.3/57

All: 9425.330+/-0.812 χ^2/NDF: 9060874.6/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 3569.930+/-2626.991 χ^2/NDF: 31.6/27

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5616.734+/-2511.392 χ^2/NDF: 26.9/32

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

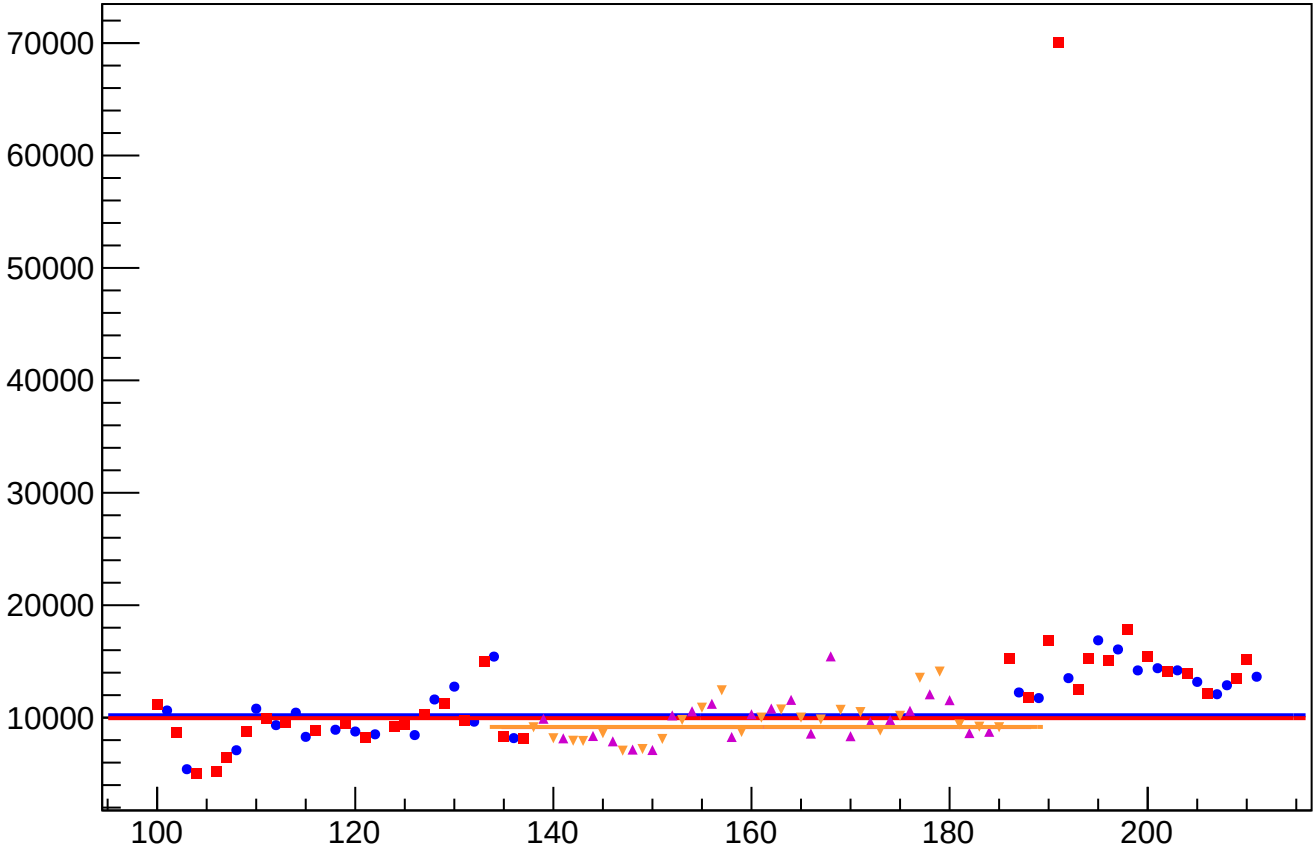
Right: 4639.356+/-1815.314 χ^2/NDF: 58.9/60

In: 3370.787+/-1677.525 χ^2/NDF:45.2/50

Out: 2515.907+/-1622.374 χ^2/NDF:55.9/57

All: 2929.063+/-1166.202 χ^2/NDF: 101.2/108

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10212.039+/-1.858 χ^2/NDF: 2844207.3/27

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9953.199+/-1.776 χ^2/NDF: 3905062.9/32

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

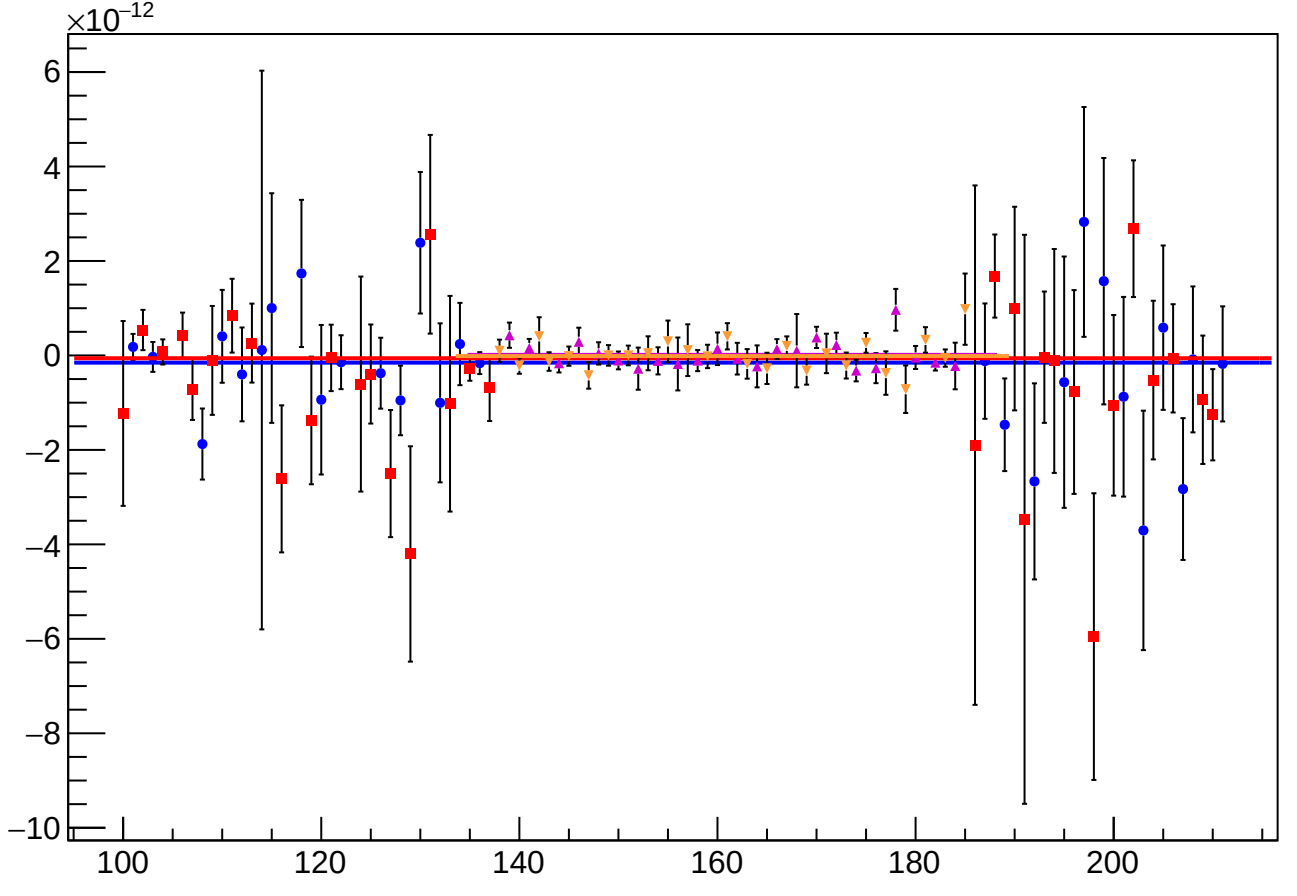
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10076.796+/-1.284 χ^2/NDF: 6759415.2/60

In: 9590.343+/-1.186 χ^2/NDF:4160879.9/50

Out: 9498.502+/-1.147 χ^2/NDF:5074533.4/57

All: 9542.888+/-0.825 χ^2/NDF: 9238510.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

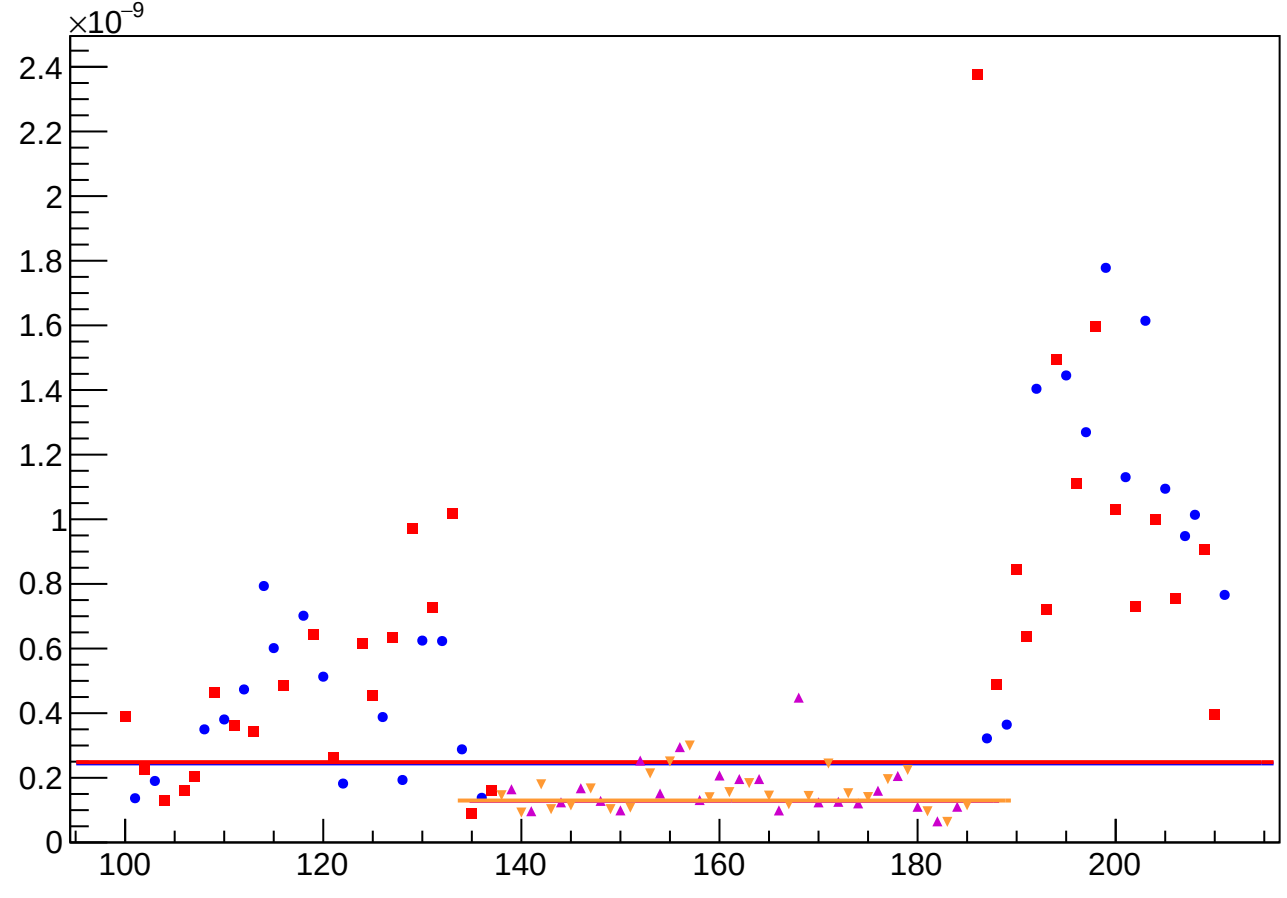
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/60

In: -0.000+/-0.000 χ^2/NDF:45.0/50

Out: -0.000+/-0.000 χ^2/NDF:53.5/57

All: -0.000+/-0.000 χ^2/NDF: 98.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 6431180.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6365217.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

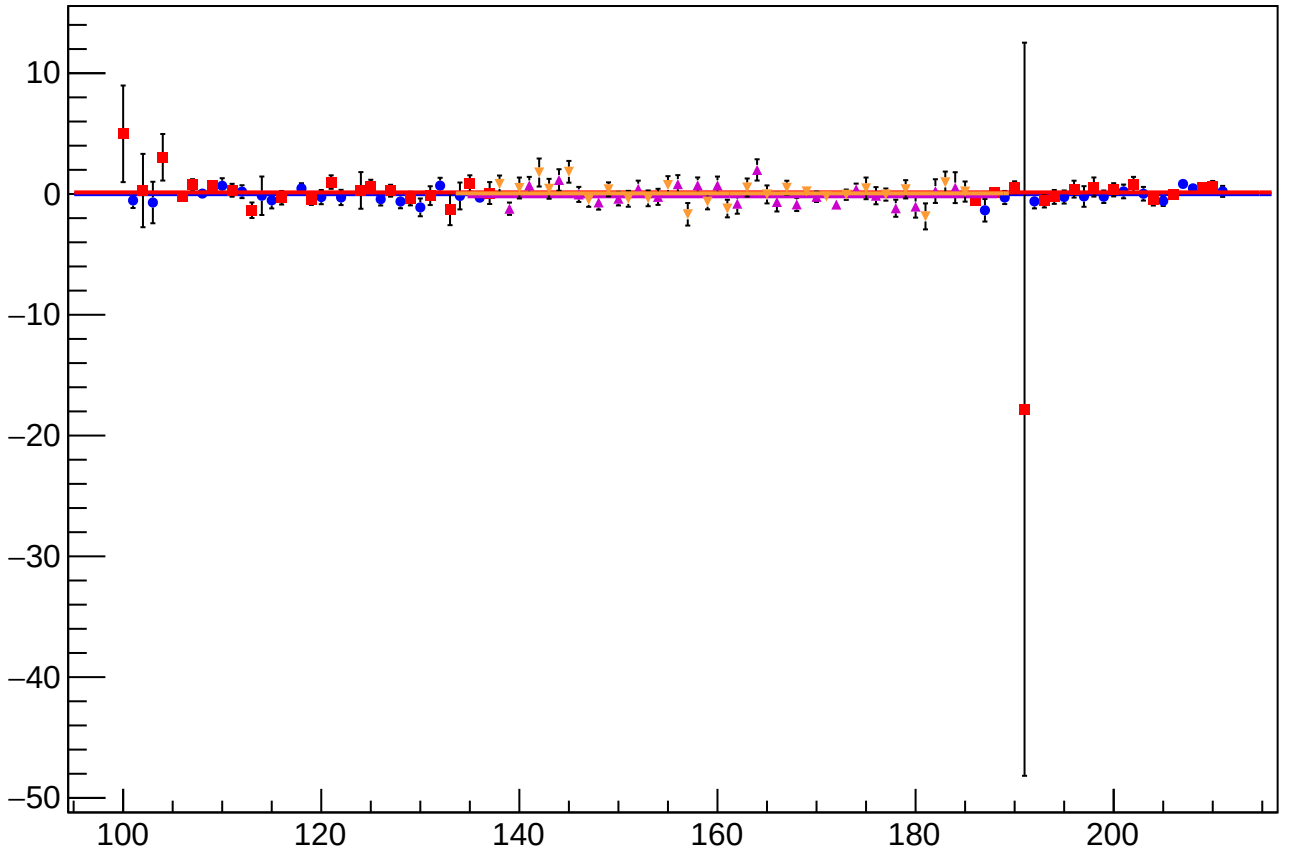
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12797261.9/60

In: 0.000+/-0.000 χ^2/NDF:9328754.5/50

Out: 0.000+/-0.000 χ^2/NDF:9157366.6/57

All: 0.000+/-0.000 χ^2/NDF: 18486132.1/108



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.089 χ^2/NDF: 36.8/32

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

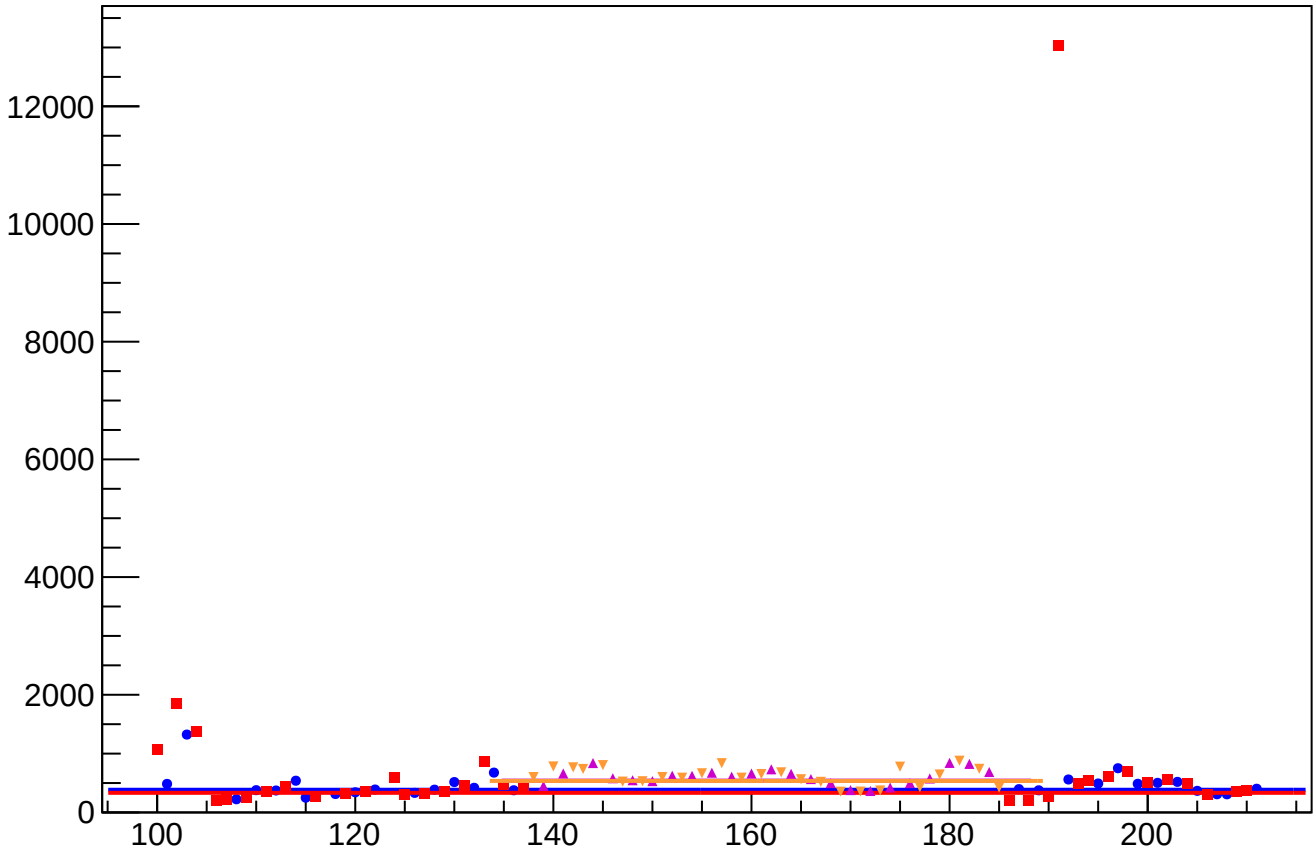
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.067 χ^2/NDF: 62.3/60

In: -0.079+/-0.080 χ^2/NDF:56.6/50

Out: 0.108+/-0.073 χ^2/NDF:61.7/57

All: 0.023+/-0.054 χ^2/NDF: 121.3/108



Right In: 385.876+/-0.071 χ^2/NDF: 2541327.0/27

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 333.699+/-0.063 χ^2/NDF: 5501601.5/32

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

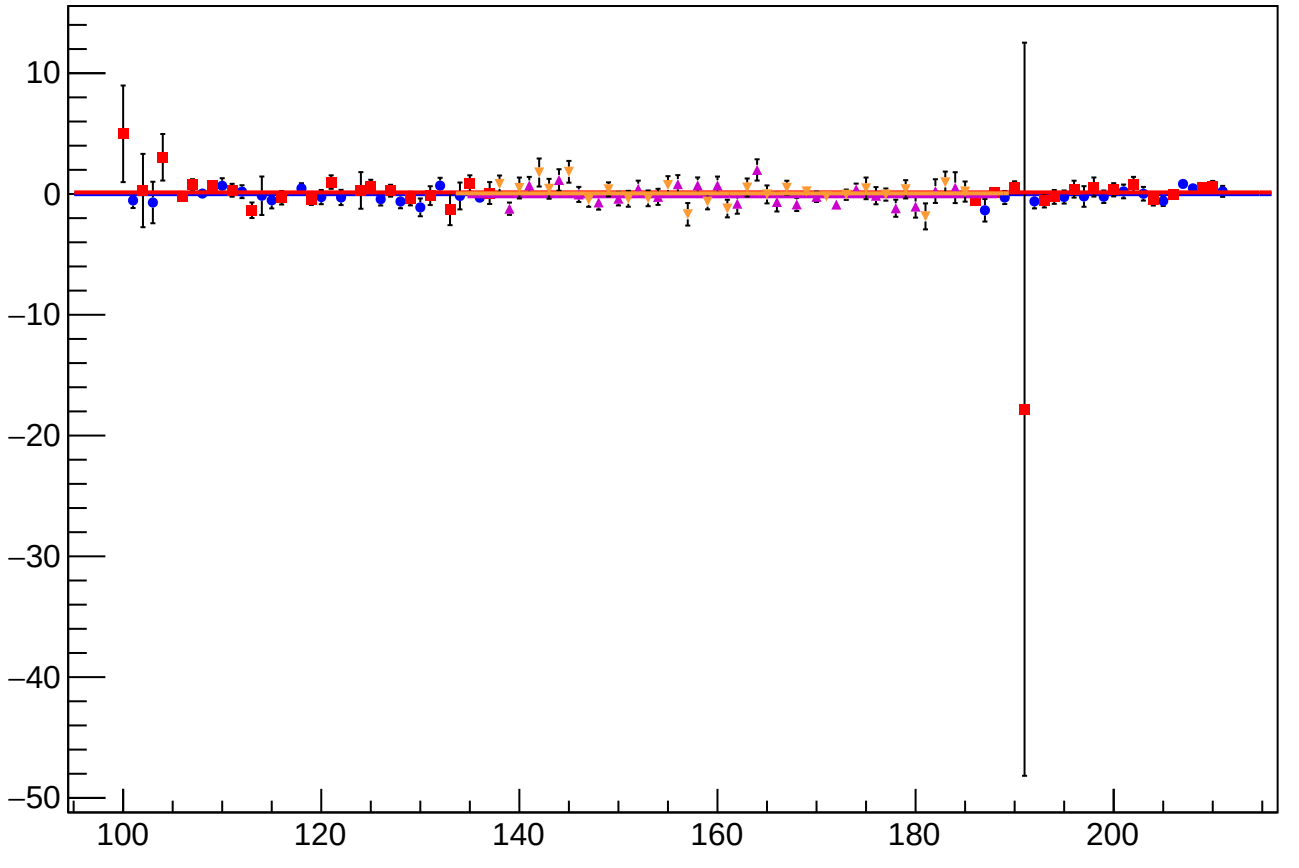
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 356.420+/-0.047 χ^2/NDF: 8344142.5/60

In: 442.483+/-0.057 χ^2/NDF:6165131.0/50

Out: 398.305+/-0.052 χ^2/NDF:11571074.4/57

All: 418.305+/-0.038 χ^2/NDF: 18066068.0/10



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.089 χ^2/NDF: 36.8/32

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

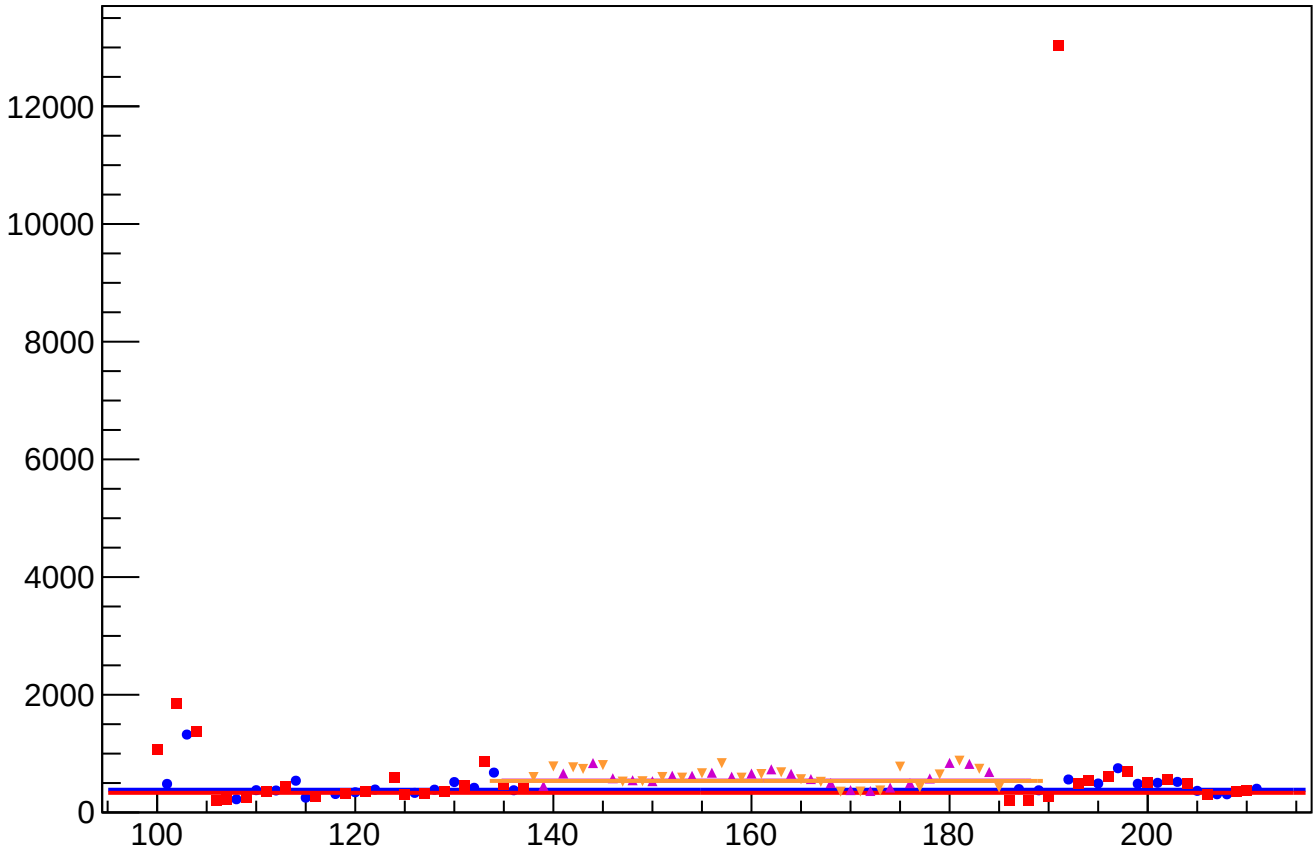
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.067 χ^2/NDF: 62.3/60

In: -0.079+/-0.080 χ^2/NDF:56.6/50

Out: 0.108+/-0.073 χ^2/NDF:61.7/57

All: 0.023+/-0.054 χ^2/NDF: 121.3/108



Right In: 385.876+/-0.071 χ^2/NDF: 2541327.0/27

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 333.699+/-0.063 χ^2/NDF: 5501601.5/32

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

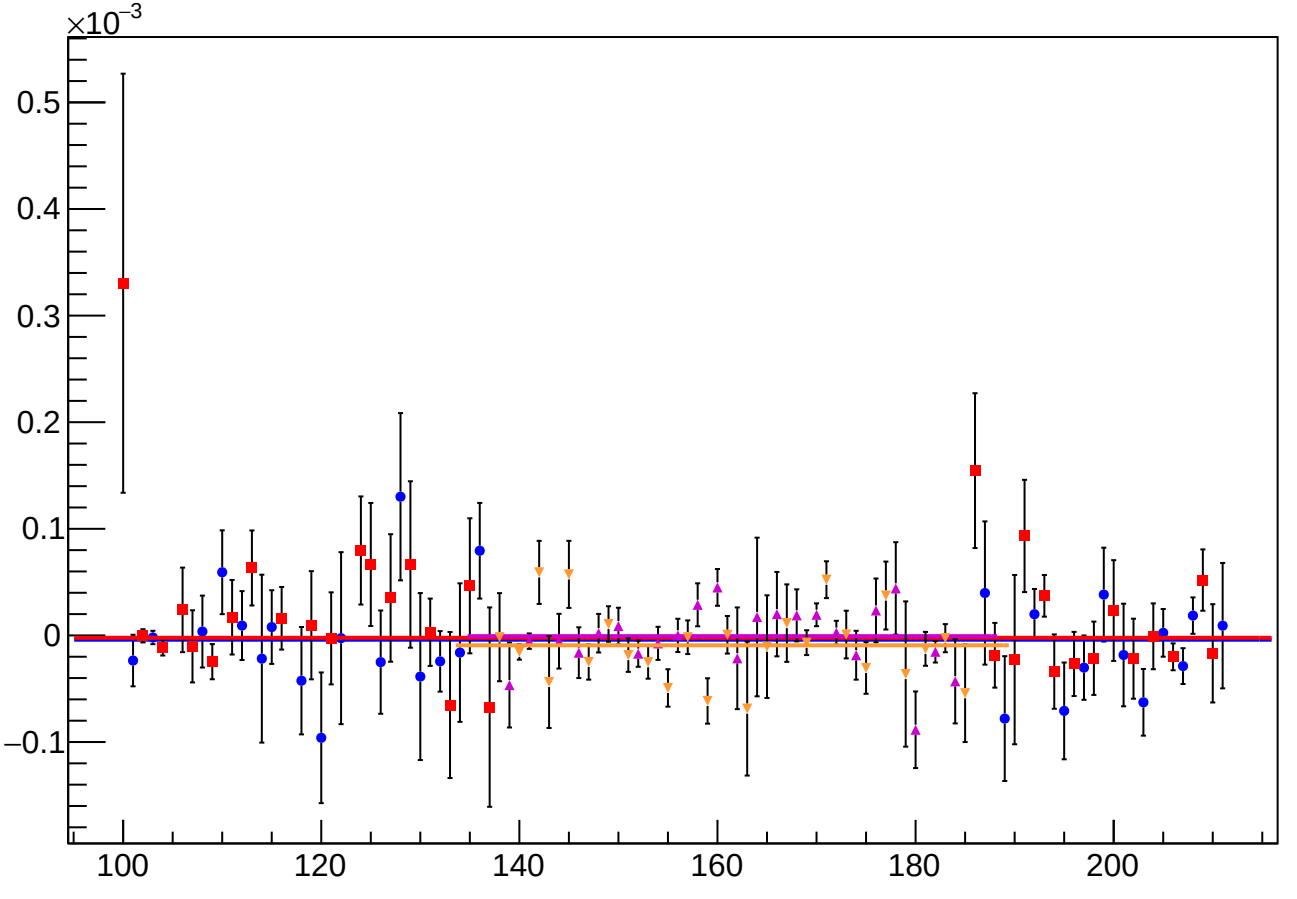
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

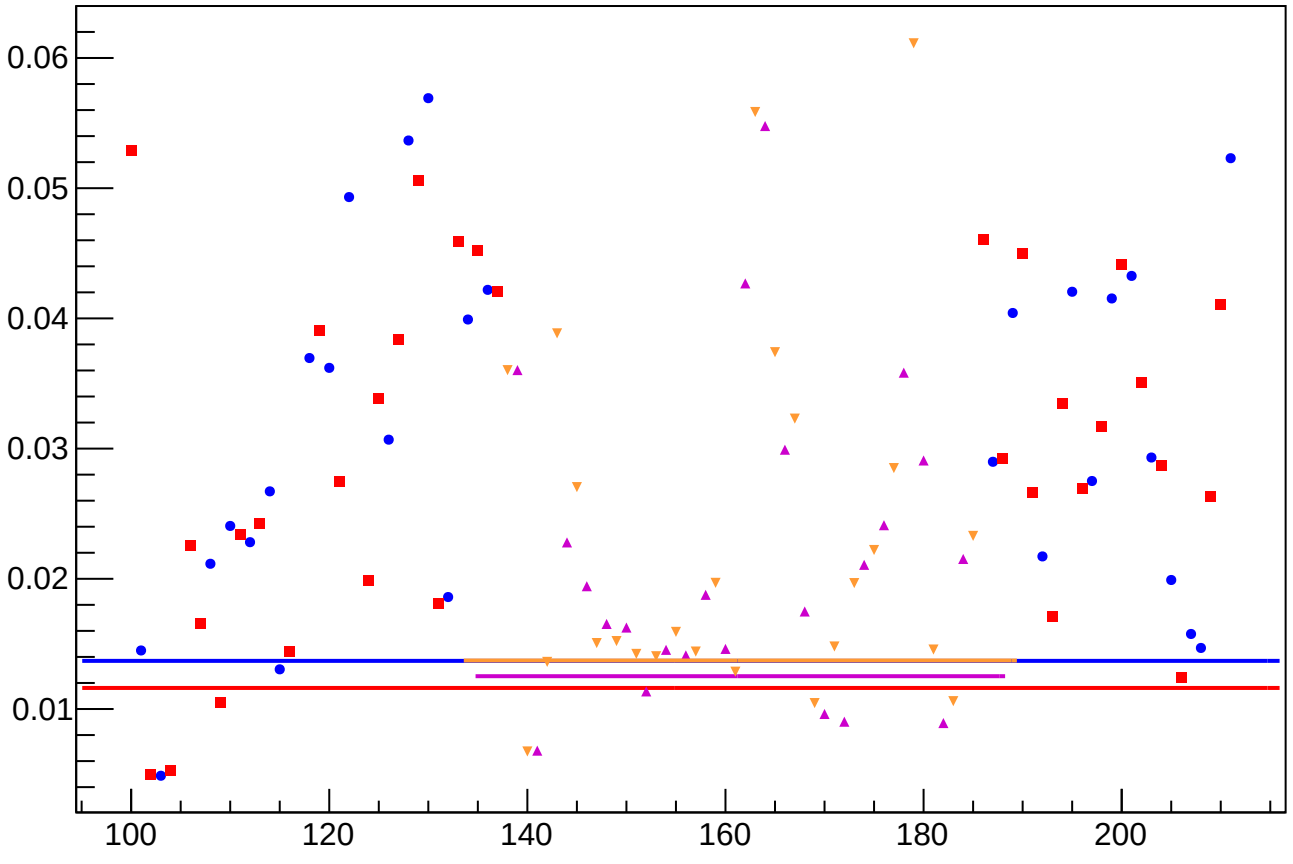
Right: 356.420+/-0.047 χ^2/NDF: 8344142.5/60

In: 442.483+/-0.057 χ^2/NDF:6165131.0/50

Out: 398.305+/-0.052 χ^2/NDF:11571074.4/57

All: 418.305+/-0.038 χ^2/NDF: 18066068.0/10


asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.5
0.4
0.3
0.2
0.1
0
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.4/27
Left Out: -0.000+/-0.000 χ²/NDF:45.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.6/32
Left In: -0.000+/-0.000 χ²/NDF:30.0/22
Left: -0.000+/-0.000 χ²/NDF: 78.1/47
Right: -0.000+/-0.000 χ²/NDF: 67.1/60
In: -0.000+/-0.000 χ²/NDF:58.8/50
Out: -0.000+/-0.000 χ²/NDF:85.6/57
All: -0.000+/-0.000 χ²/NDF: 145.5/108



Right In: 0.014+/-0.000 χ^2/NDF: 13123956.6/27

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 15479768.6/32

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

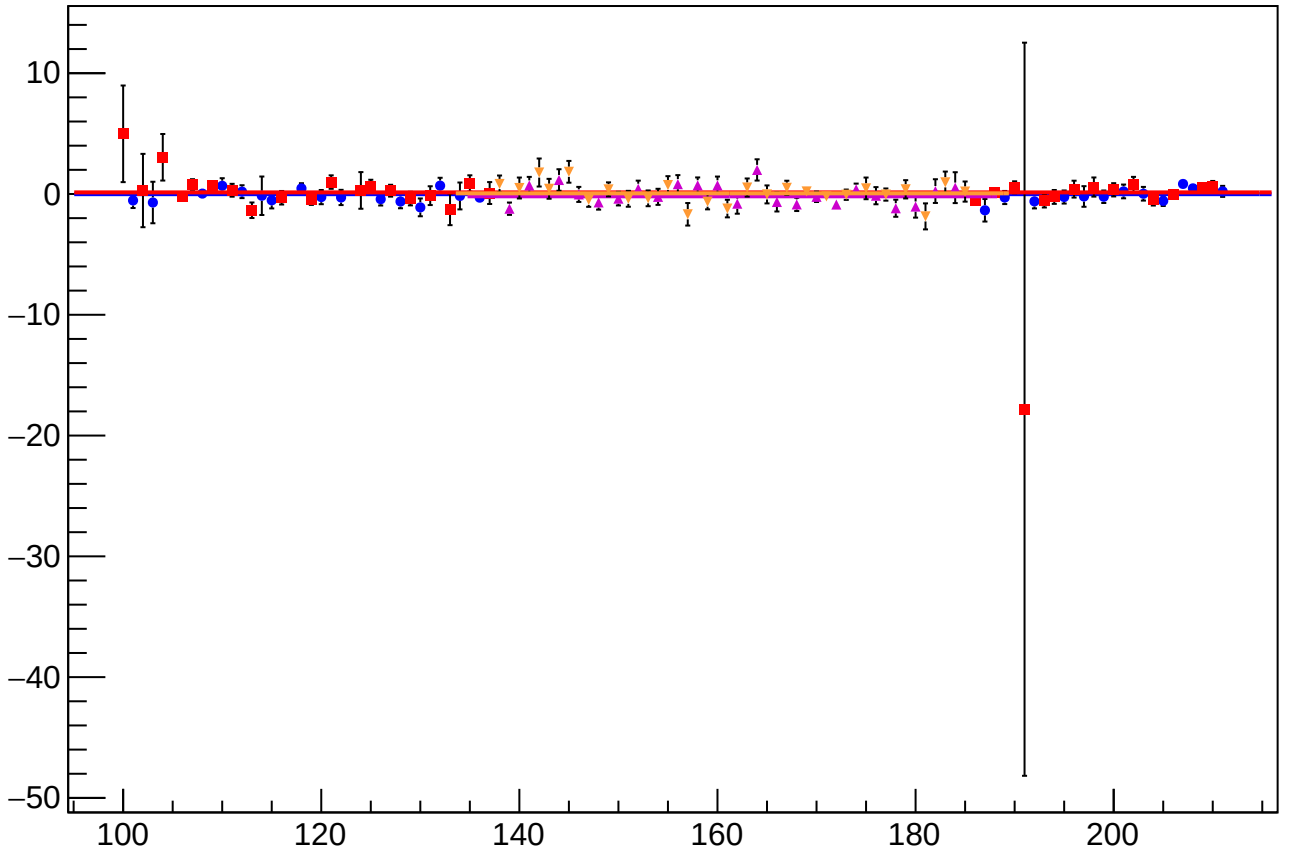
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 28858712.7/60

In: 0.013+/-0.000 χ^2/NDF:20331872.2/50

Out: 0.013+/-0.000 χ^2/NDF:23530960.3/57

All: 0.013+/-0.000 χ^2/NDF: 43872031.3/108



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.089 χ^2/NDF: 36.8/32

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

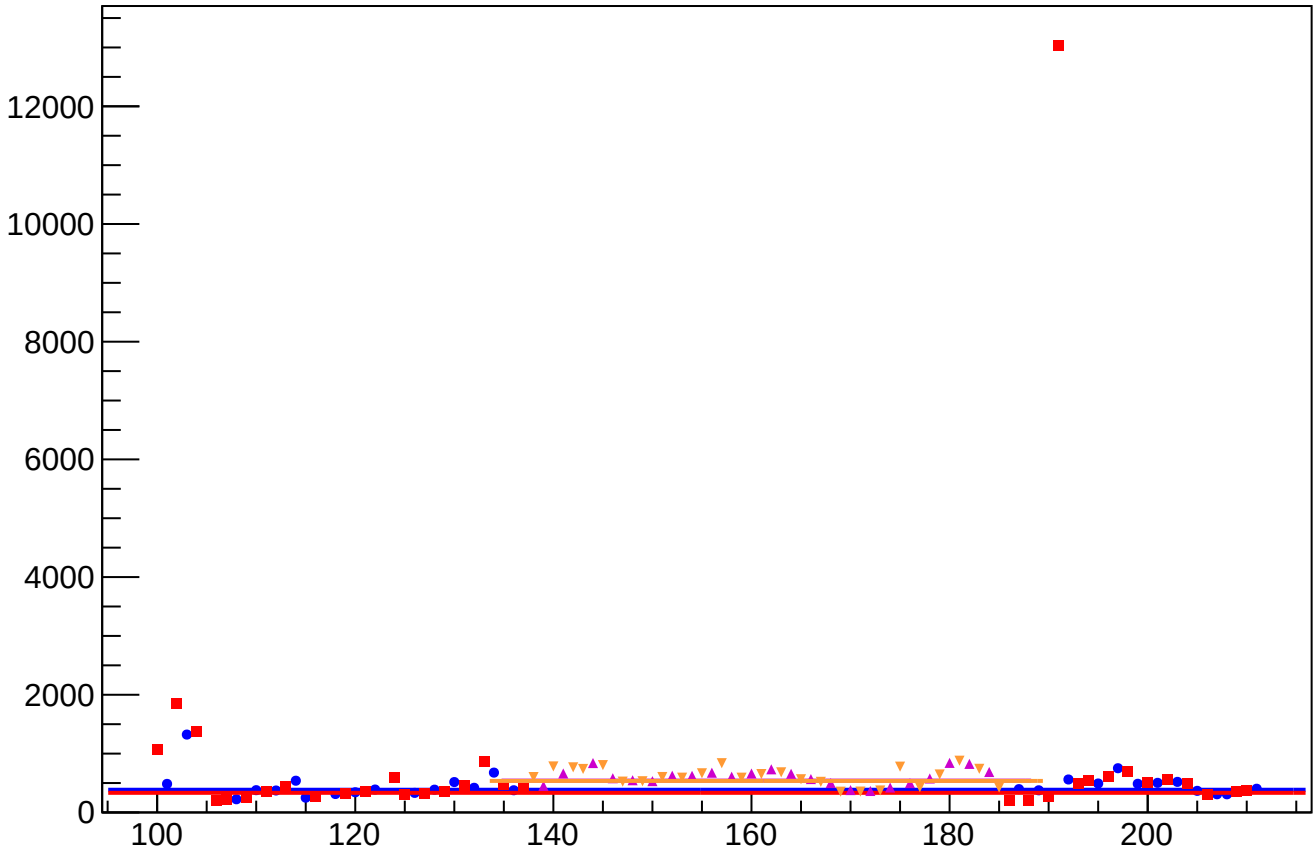
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.067 χ^2/NDF: 62.3/60

In: -0.079+/-0.080 χ^2/NDF:56.6/50

Out: 0.108+/-0.073 χ^2/NDF:61.7/57

All: 0.023+/-0.054 χ^2/NDF: 121.3/108



Right In: 385.875+/-0.071 χ^2/NDF: 2541354.8/27

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 333.698+/-0.063 χ^2/NDF: 5501566.3/32

Left In: 540.811+/-0.094 χ^2/NDF:1905035.9/22

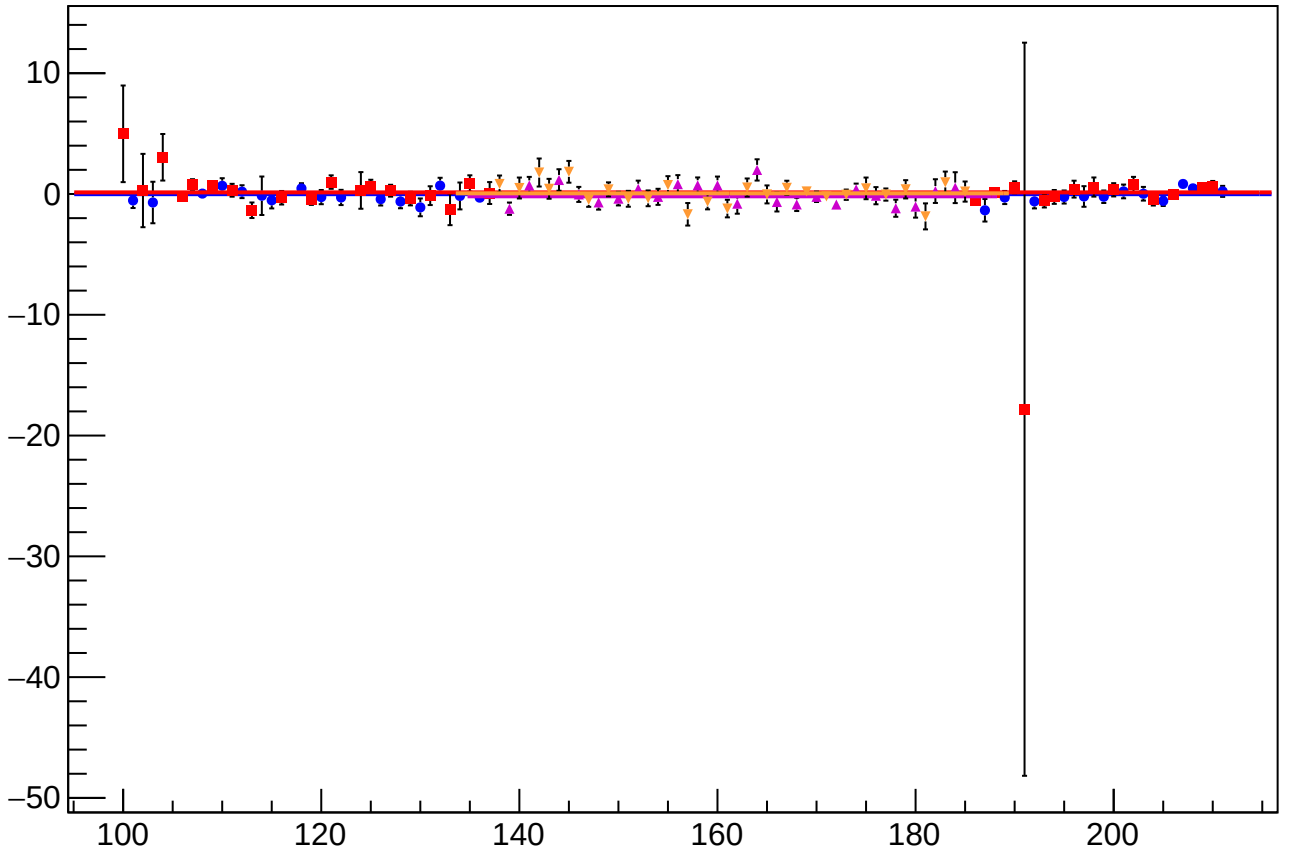
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 356.420+/-0.047 χ^2/NDF: 8344125.0/60

In: 442.483+/-0.057 χ^2/NDF:6165323.0/50

Out: 398.305+/-0.052 χ^2/NDF:11571245.3/57

All: 418.305+/-0.038 χ^2/NDF: 18066427.5/10



Right In: -0.015+/-0.101 χ^2/NDF: 24.3/27

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.089 χ^2/NDF: 36.8/32

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

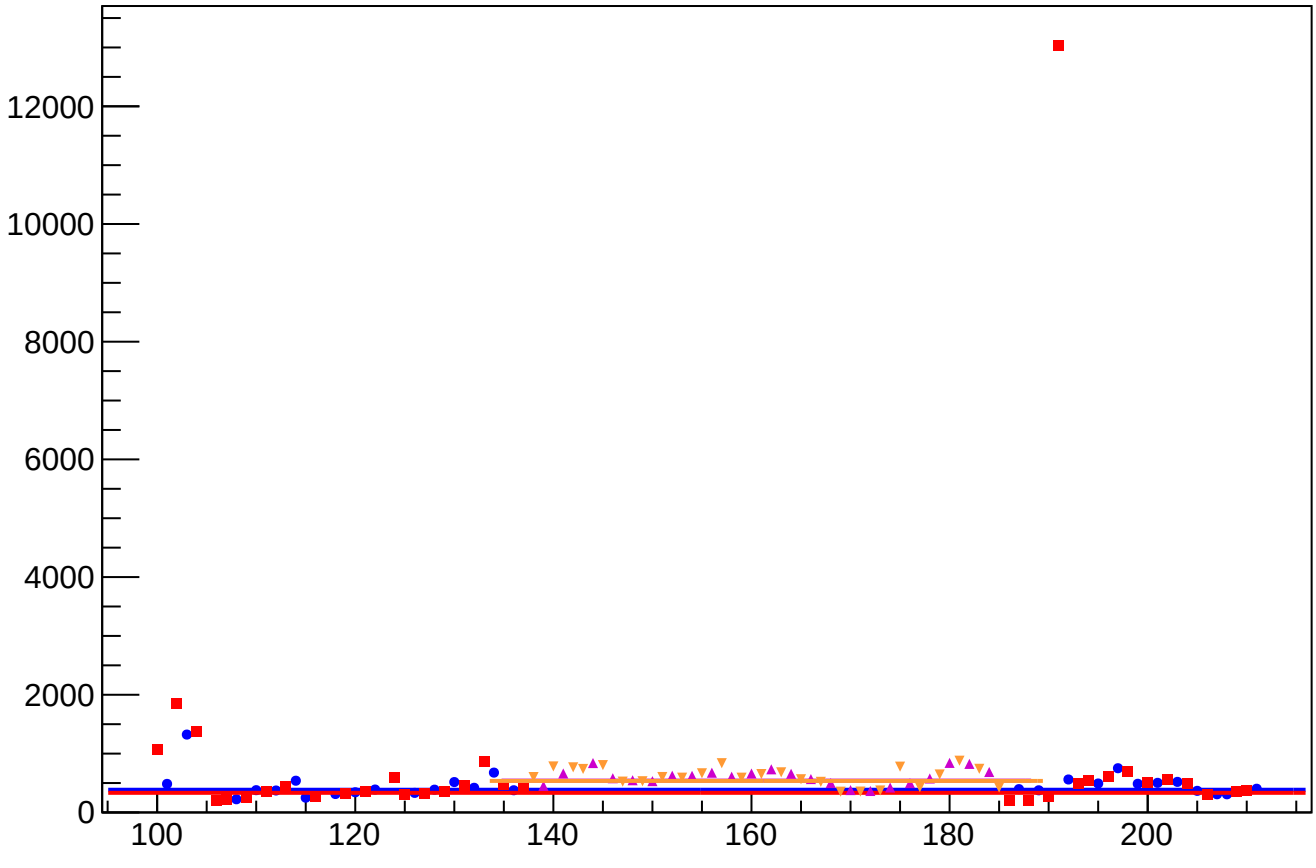
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.069+/-0.067 χ^2/NDF: 62.3/60

In: -0.079+/-0.080 χ^2/NDF:56.6/50

Out: 0.108+/-0.073 χ^2/NDF:61.7/57

All: 0.023+/-0.054 χ^2/NDF: 121.3/108



Right In: 385.875+/-0.071 χ^2/NDF: 2541354.8/27

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 333.698+/-0.063 χ^2/NDF: 5501566.3/32

Left In: 540.811+/-0.094 χ^2/NDF:1905035.9/22

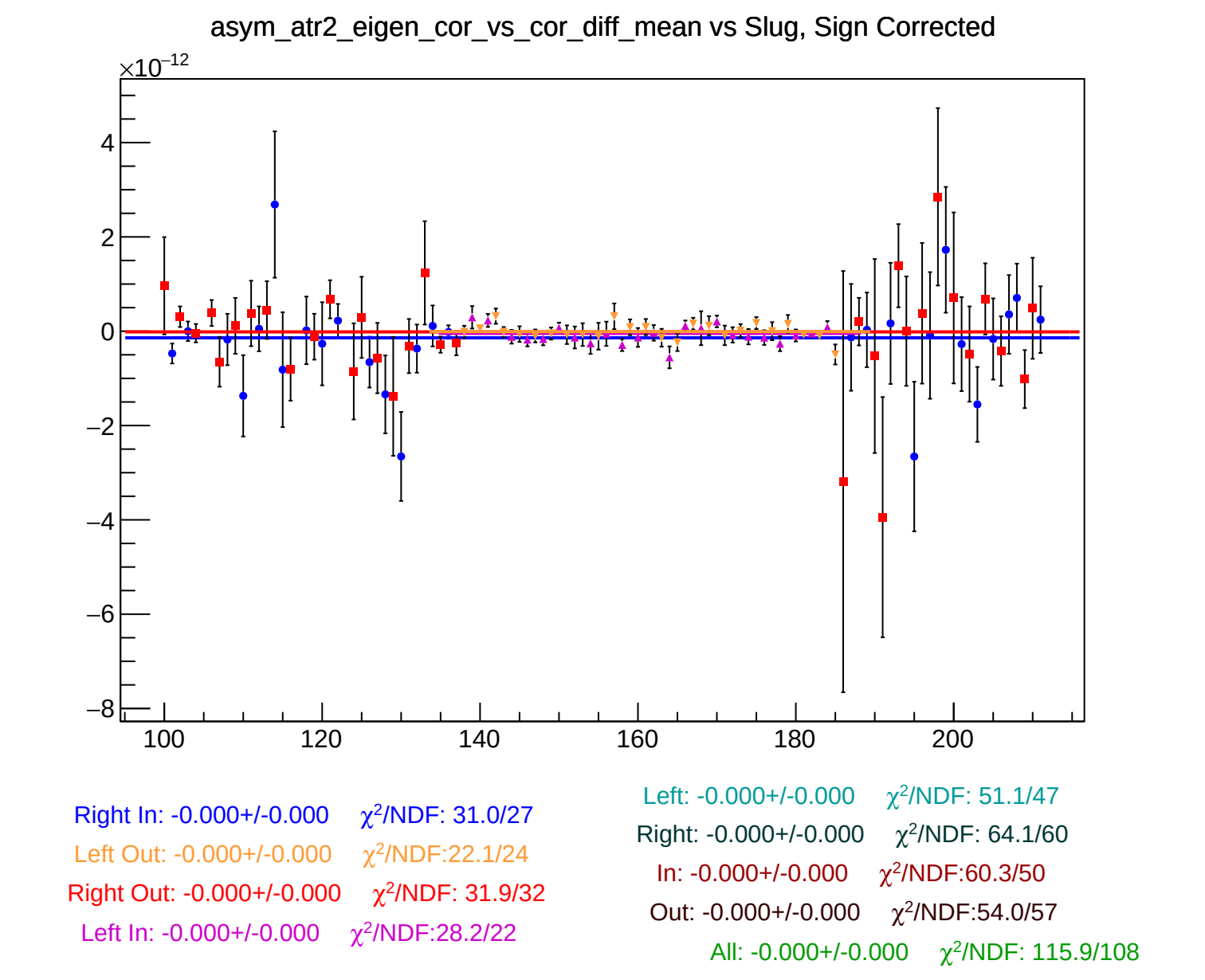
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

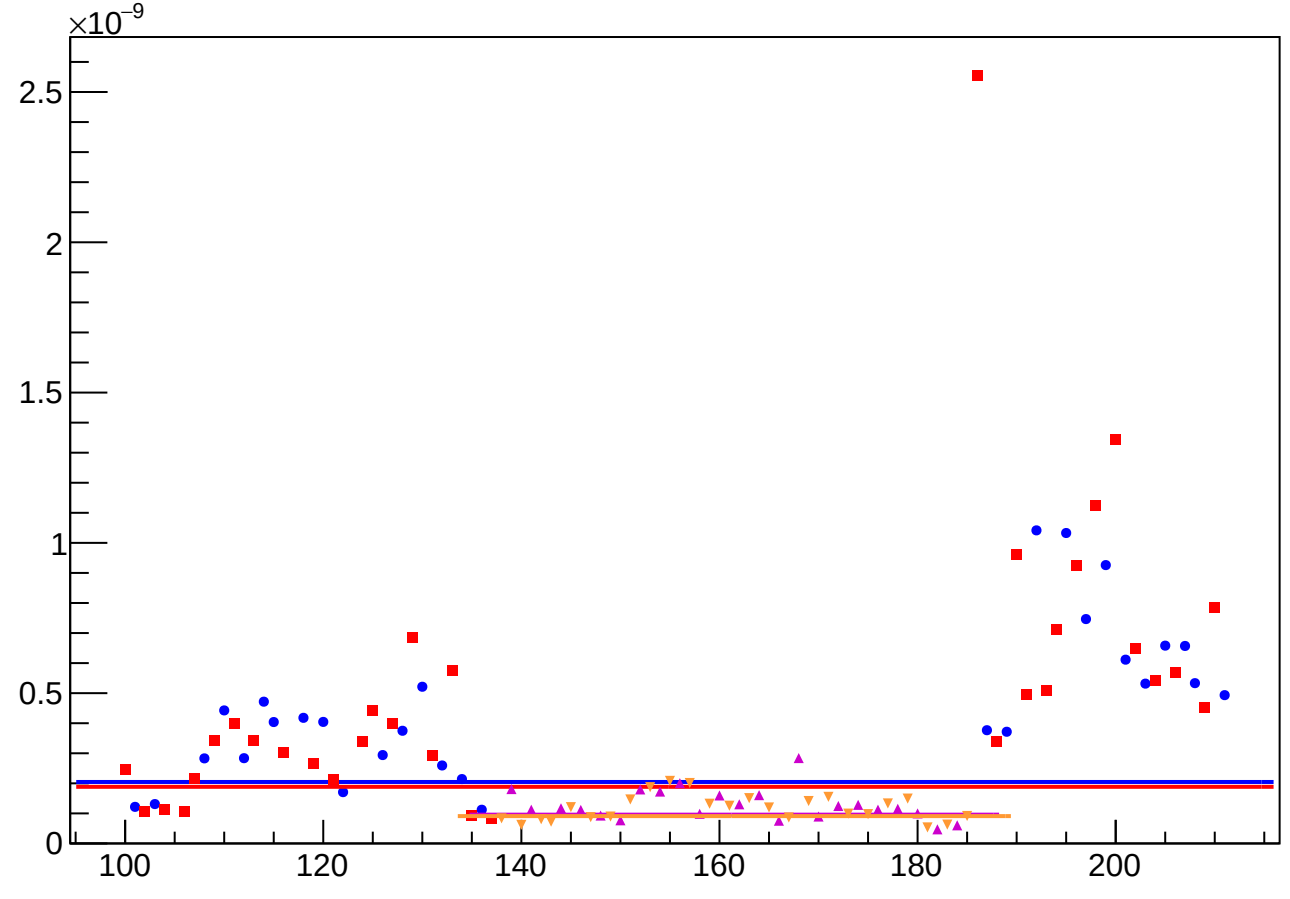
Right: 356.420+/-0.047 χ^2/NDF: 8344125.0/60

In: 442.483+/-0.057 χ^2/NDF:6165323.0/50

Out: 398.305+/-0.052 χ^2/NDF:11571245.3/57

All: 418.305+/-0.038 χ^2/NDF: 18066427.5/10


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: 31.0/27
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.9/32
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: 64.1/60
In: -0.000+/-0.000 χ²/NDF:60.3/50
Out: -0.000+/-0.000 χ²/NDF:54.0/57
All: -0.000+/-0.000 χ²/NDF: 115.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 7446772.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9184706.2/32

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

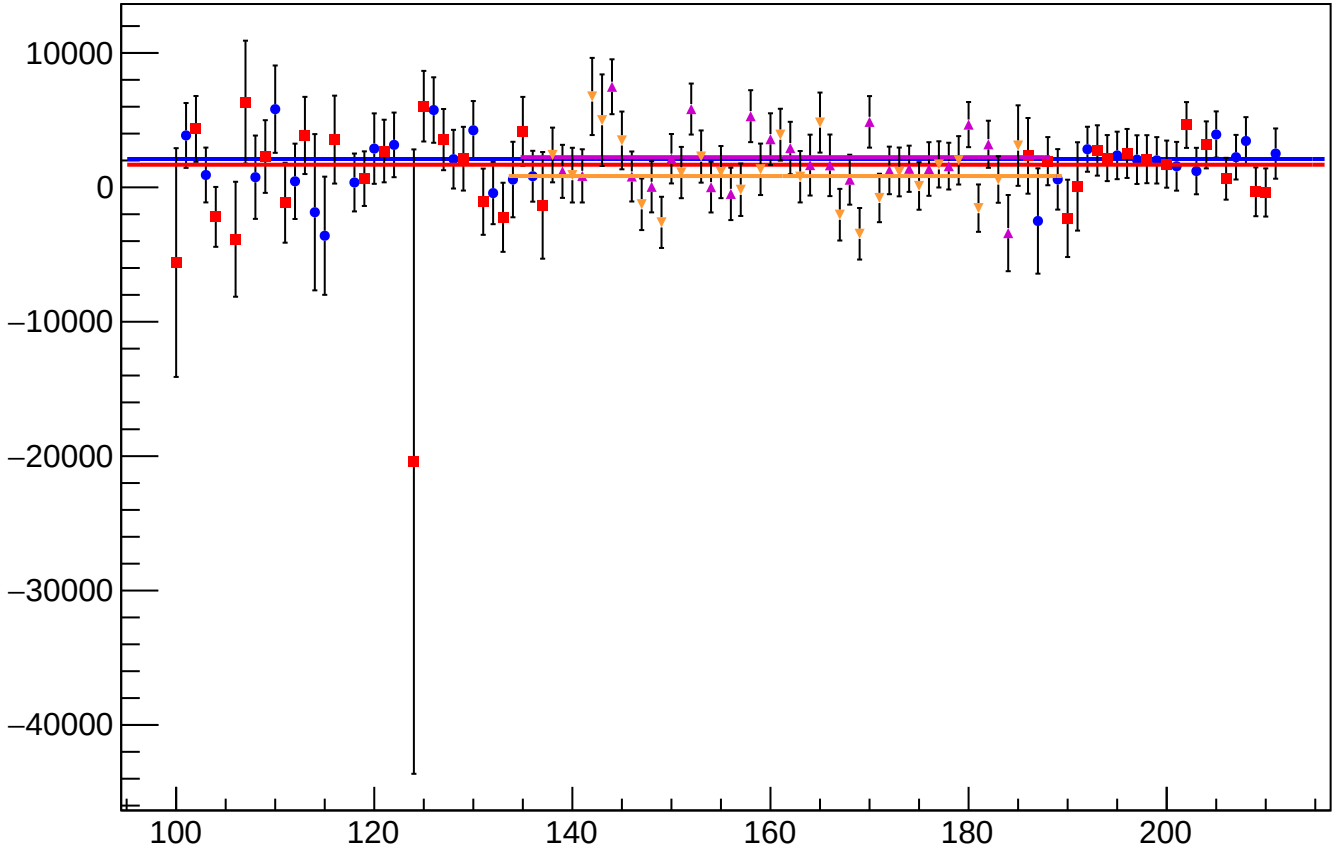
Right: 0.000+/-0.000 χ^2/NDF: 16670668.7/60

In: 0.000+/-0.000 χ^2/NDF:14407054.3/50

Out: 0.000+/-0.000 χ^2/NDF:15246217.5/57

All: 0.000+/-0.000 χ^2/NDF: 29707066.4/108

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2109.351+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1685.135+/-397.162 χ^2/NDF: 29.1/32

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

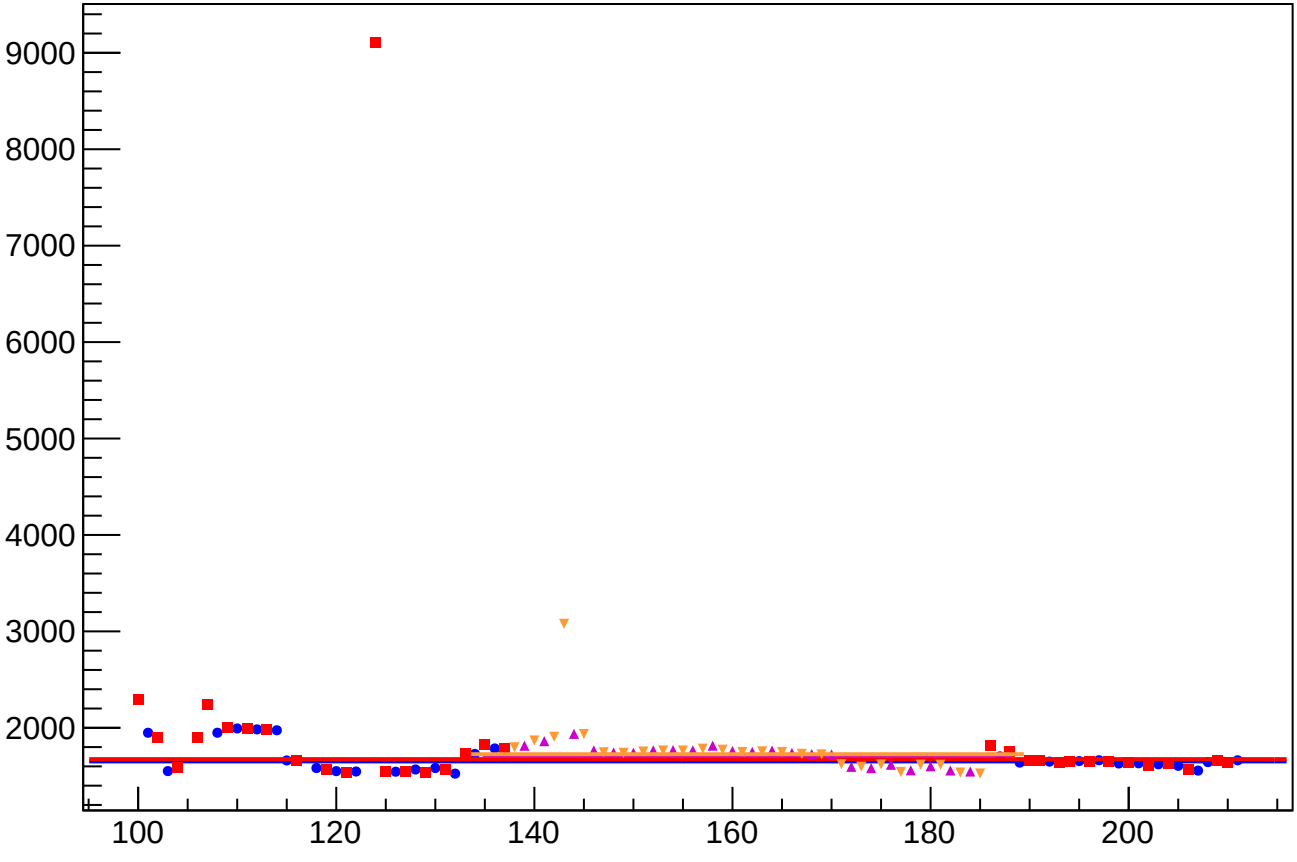
Right: 1892.475+/-283.975 χ^2/NDF: 44.7/60

In: 2178.111+/-285.279 χ^2/NDF:44.6/50

Out: 1260.457+/-279.870 χ^2/NDF:61.7/57

All: 1710.502+/-199.783 χ^2/NDF: 111.6/108

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.2/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.119+/-0.280 χ^2/NDF: 418942.1/32

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

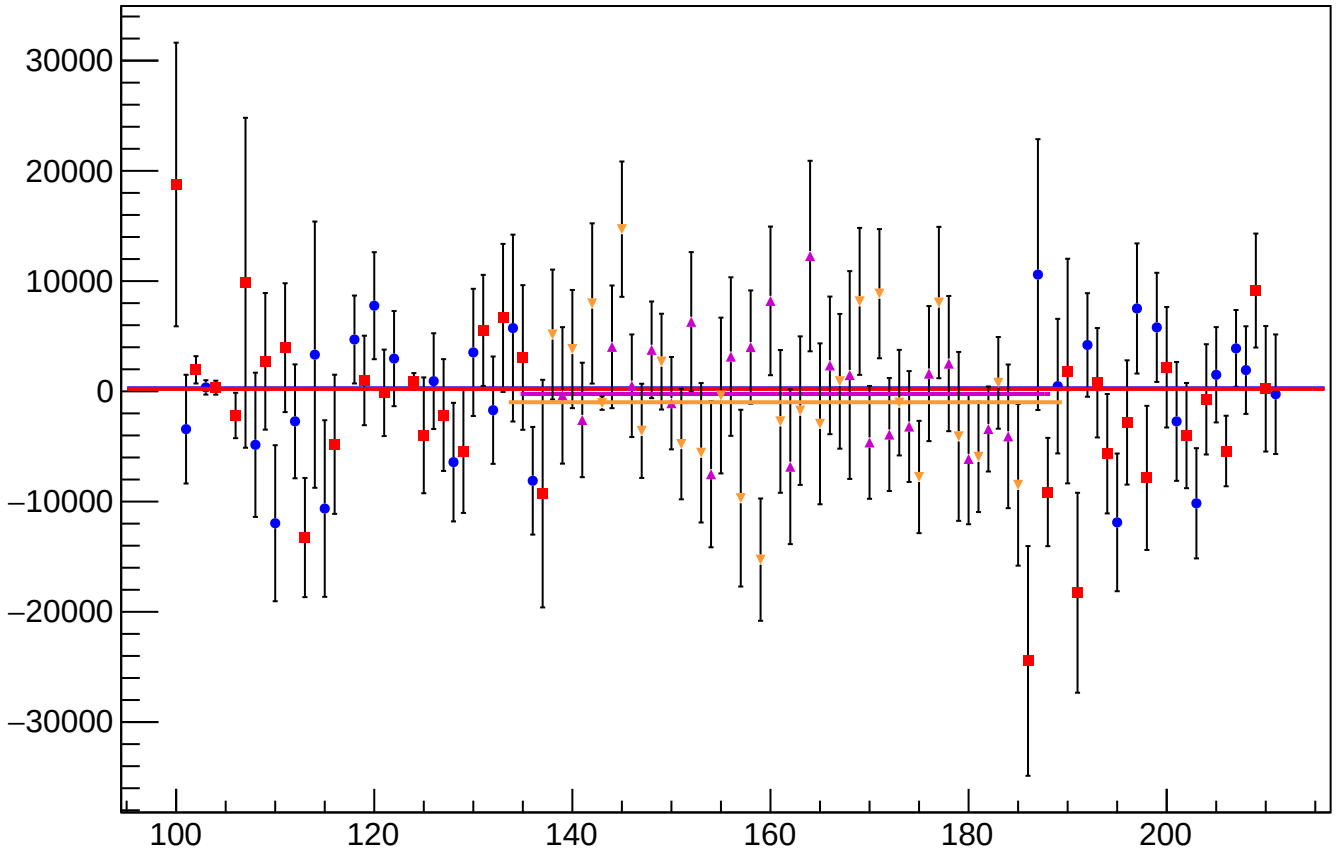
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1663.710+/-0.201 χ^2/NDF: 577287.1/60

In: 1682.859+/-0.202 χ^2/NDF:307414.5/50

Out: 1700.717+/-0.198 χ^2/NDF:890466.5/57

All: 1691.967+/-0.141 χ^2/NDF: 1201878.3/10



Right In: 274.824+/-547.265 χ^2/NDF: 29.8/27

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 221.333+/-407.319 χ^2/NDF: 42.5/32

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

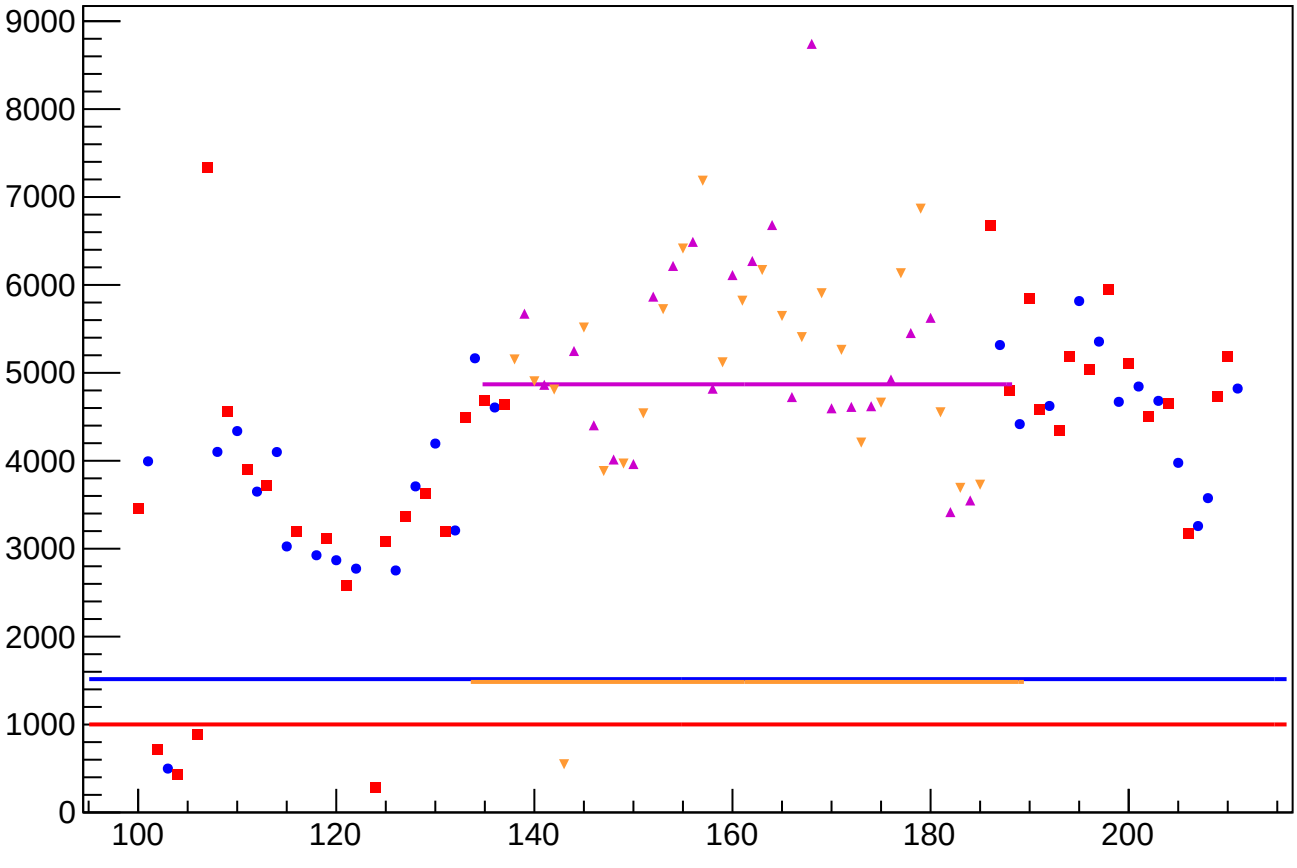
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 240.402+/-326.750 χ^2/NDF: 72.3/60

In: 181.837+/-495.338 χ^2/NDF:43.5/50

Out: -215.784+/-325.456 χ^2/NDF:76.5/57

All: -95.890+/-271.998 χ^2/NDF: 120.5/108



Right In: 1516.433+/-0.387 χ^2/NDF: 17508384.2/27

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1001.106+/-0.288 χ^2/NDF: 22861230.2/32

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

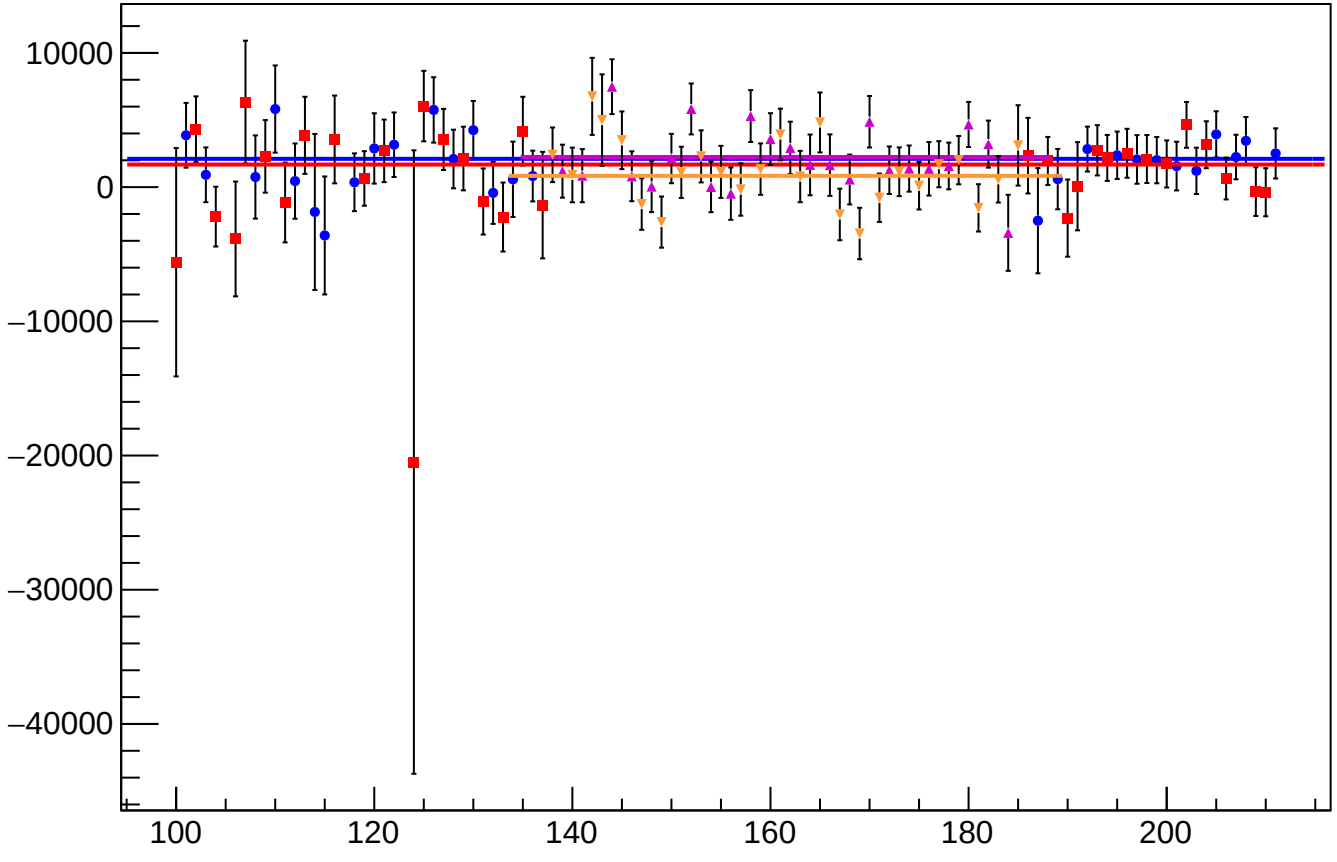
Right: 1184.810+/-0.231 χ^2/NDF: 41510814.3/60

In: 2122.591+/-0.350 χ^2/NDF:32556041.7/50

Out: 1175.908+/-0.230 χ^2/NDF:47104921.0/57

All: 1461.360+/-0.192 χ^2/NDF: 84763473.6/

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2109.418+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1684.208+/-397.163 χ^2/NDF: 29.0/32

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

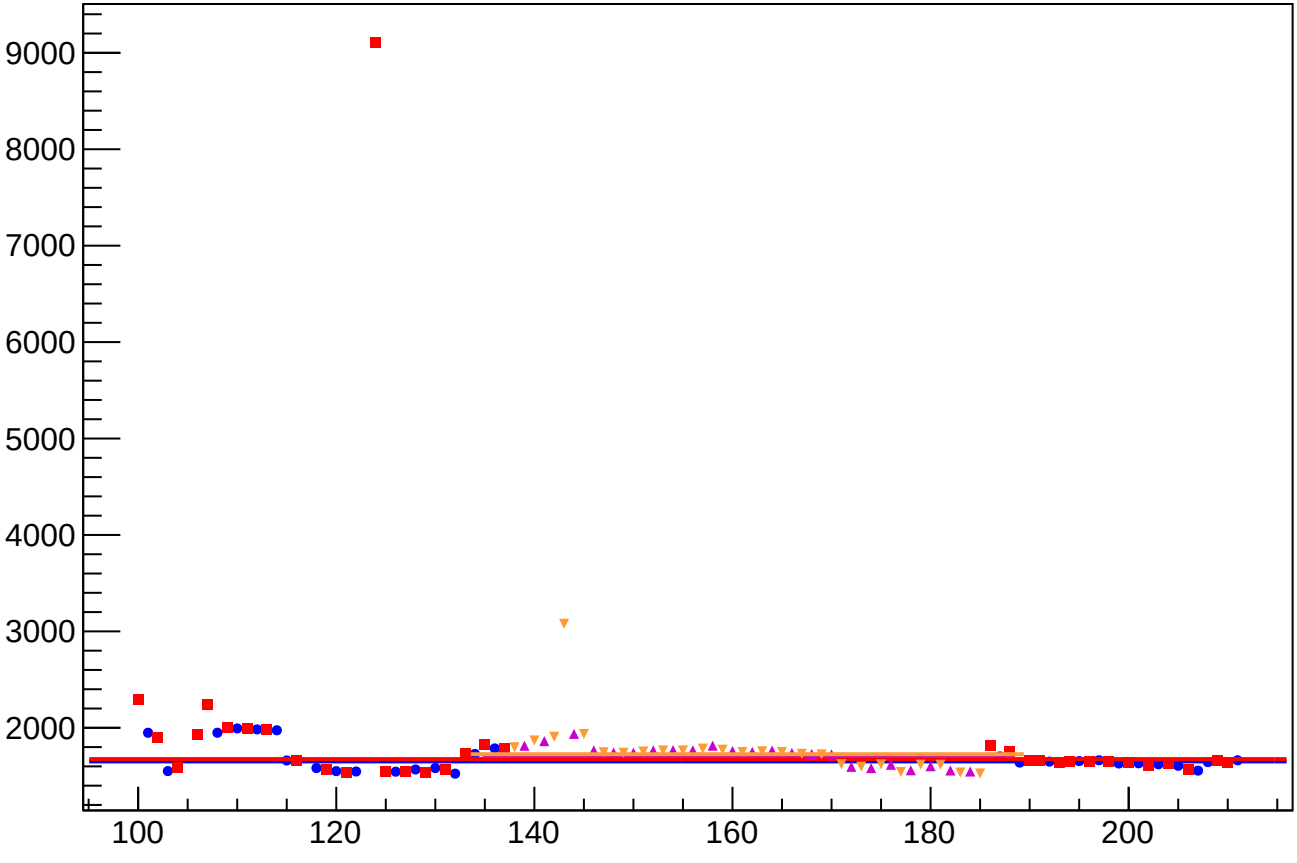
Right: 1892.034+/-283.975 χ^2/NDF: 44.7/60

In: 2178.153+/-285.279 χ^2/NDF:44.6/50

Out: 1259.992+/-279.871 χ^2/NDF:61.7/57

All: 1710.287+/-199.783 χ^2/NDF: 111.6/108

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.3/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.423+/-0.280 χ^2/NDF: 421030.7/32

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

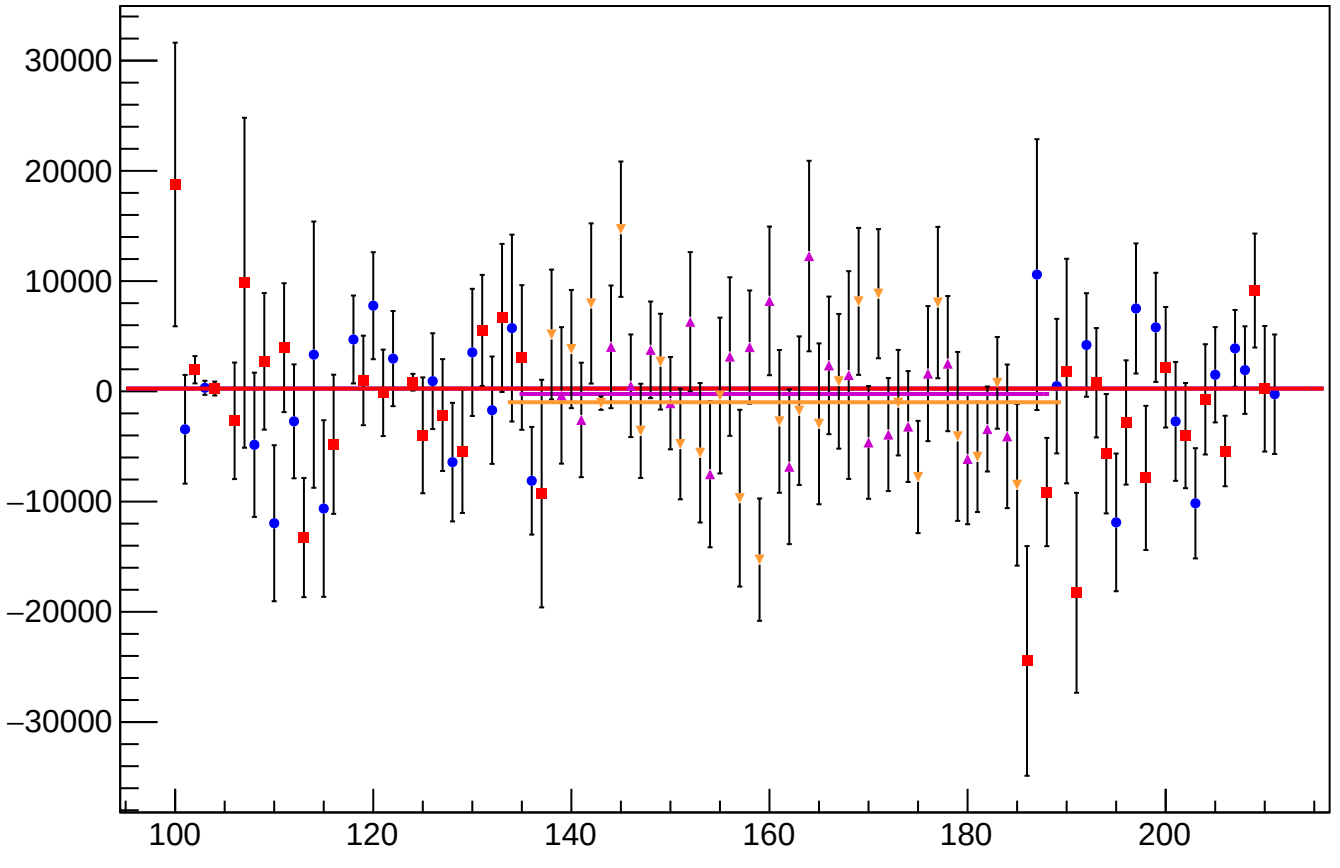
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1663.864+/-0.201 χ^2/NDF: 579464.2/60

In: 1682.859+/-0.202 χ^2/NDF:307414.6/50

Out: 1700.873+/-0.198 χ^2/NDF:892354.3/57

All: 1692.046+/-0.141 χ^2/NDF: 1203836.0/10



Right In: 252.357+/-537.524 χ^2/NDF: 29.8/27

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 250.762+/-412.458 χ^2/NDF: 41.3/32

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

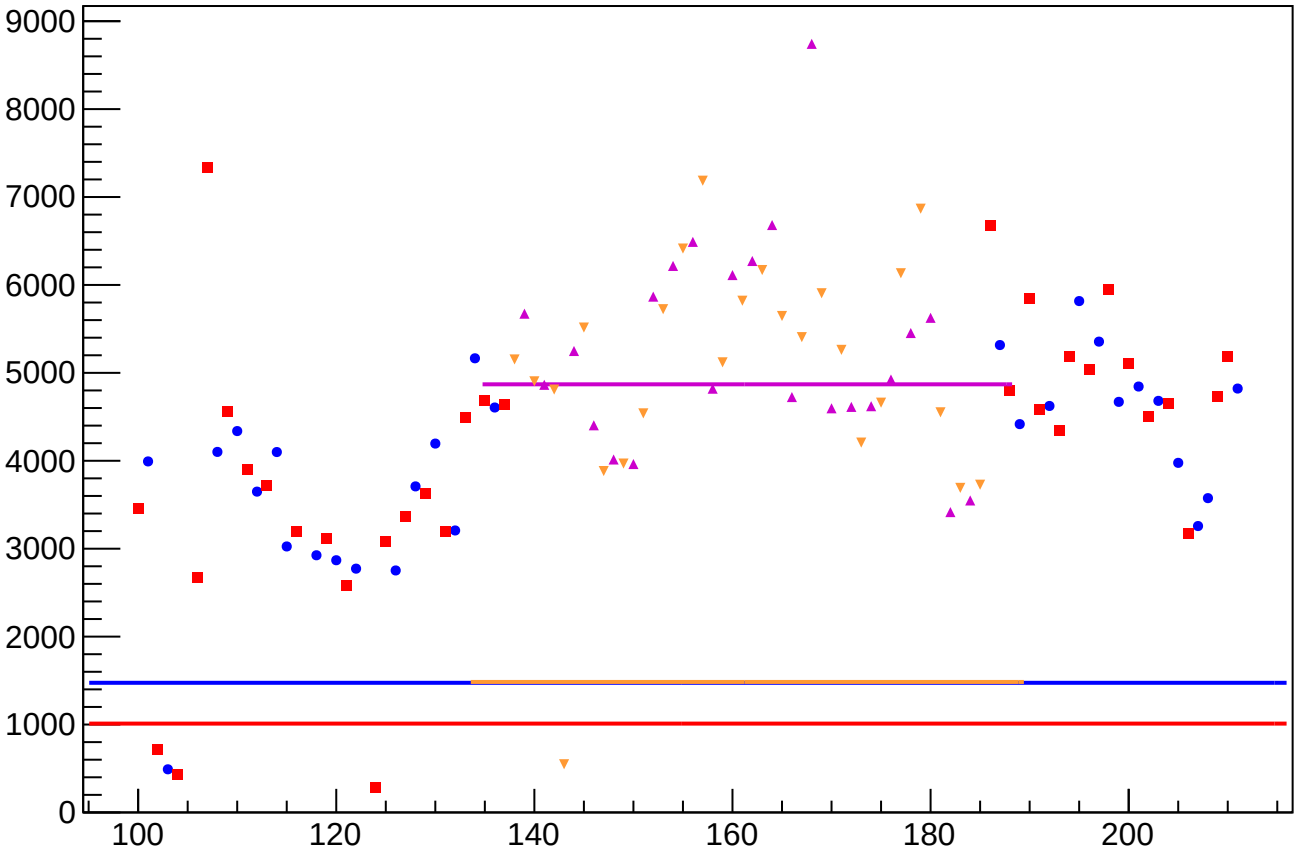
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 251.353+/-327.224 χ^2/NDF: 71.1/60

In: 166.036+/-488.080 χ^2/NDF:43.5/50

Out: -204.087+/-328.056 χ^2/NDF:75.4/57

All: -88.911+/-272.270 χ^2/NDF: 119.3/108



Right In: 1474.751+/-0.380 χ^2/NDF: 17830905.9/27

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1010.657+/-0.292 χ^2/NDF: 23097965.1/32

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

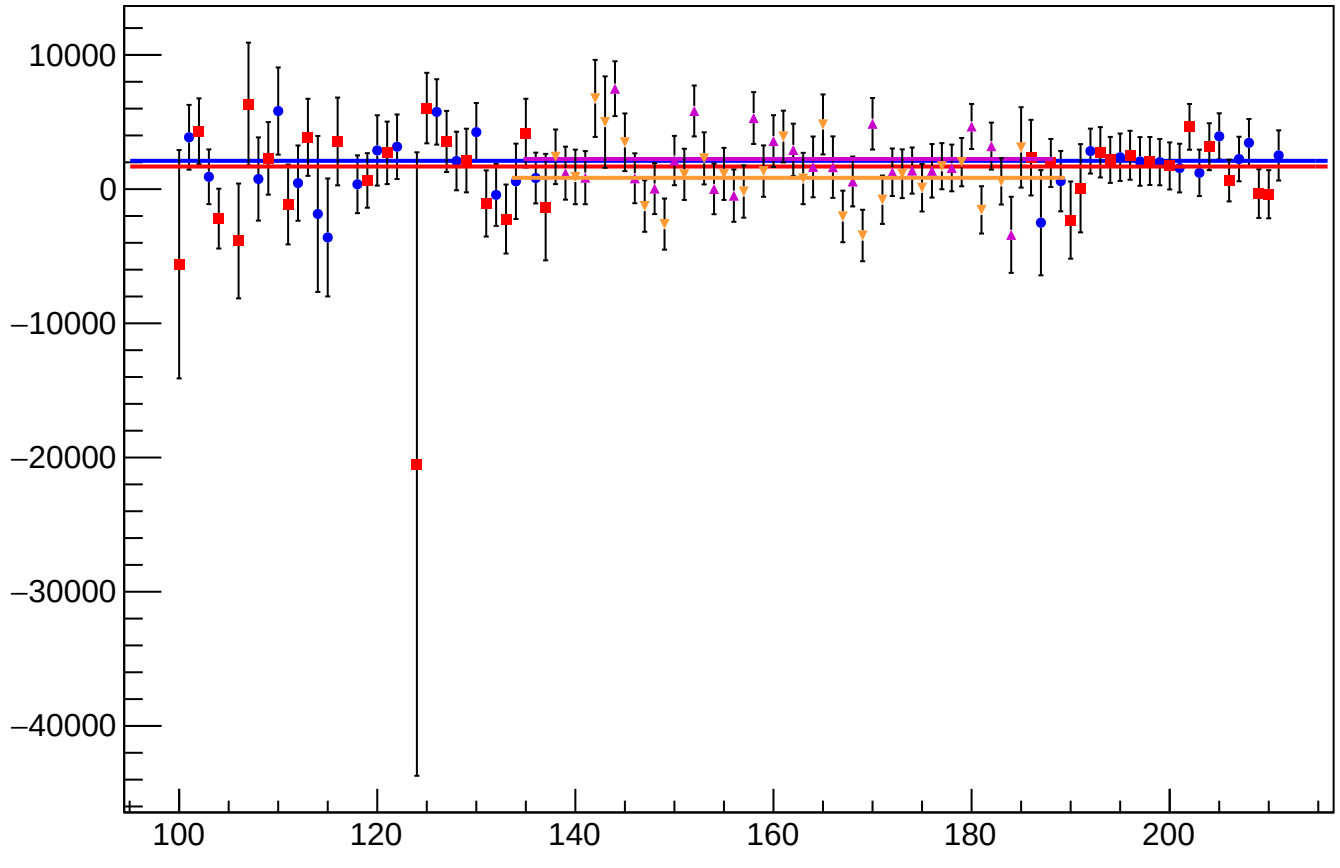
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1182.646+/-0.231 χ^2/NDF: 41867252.6/60

In: 2070.592+/-0.345 χ^2/NDF:33307392.0/50

Out: 1184.736+/-0.232 χ^2/NDF:47293241.7/57

All: 1460.400+/-0.193 χ^2/NDF: 85138765.4/1



Right In: 2109.418+/-406.192 χ^2/NDF: 15.1/27

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1684.208+/-397.163 χ^2/NDF: 29.0/32

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

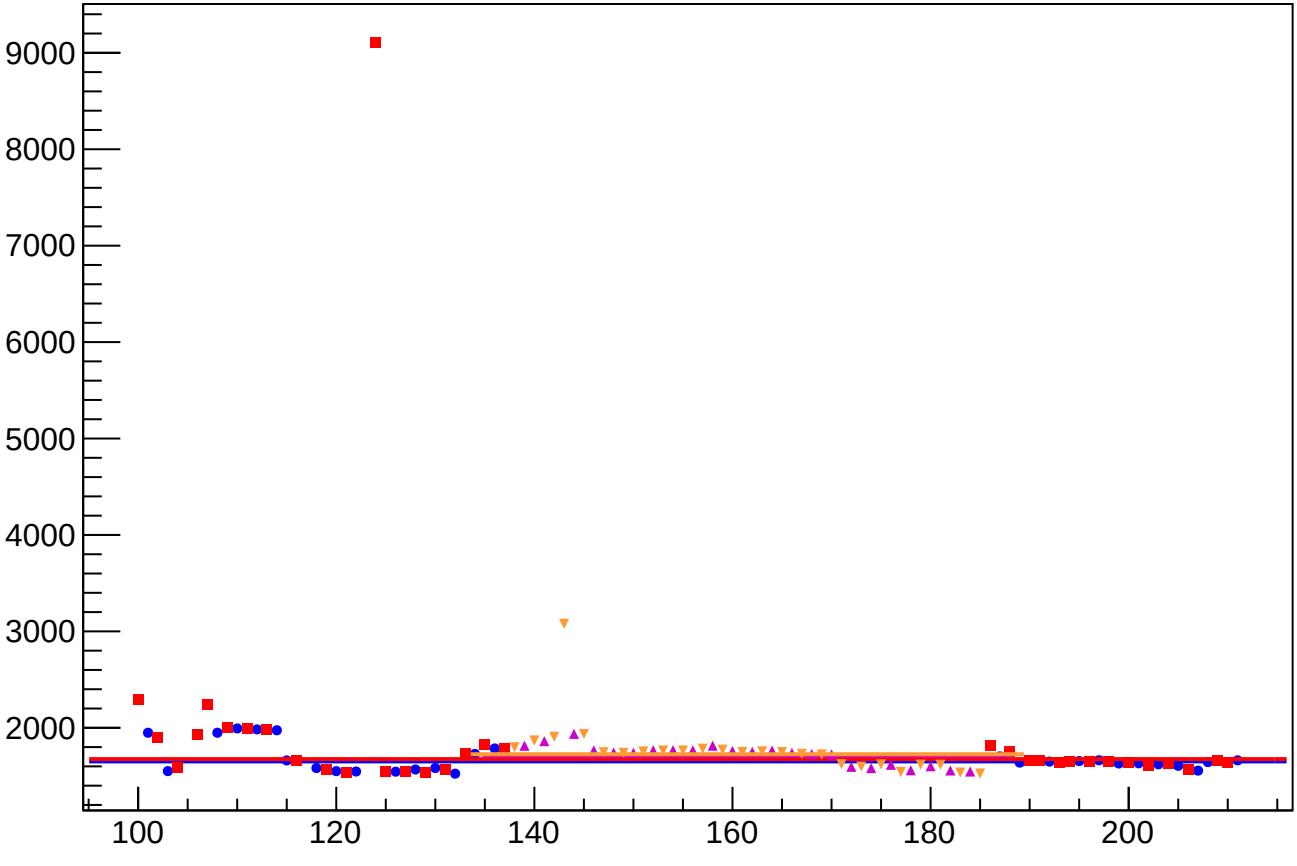
Right: 1892.034+/-283.975 χ^2/NDF: 44.7/60

In: 2178.153+/-285.279 χ^2/NDF:44.6/50

Out: 1259.992+/-279.871 χ^2/NDF:61.7/57

All: 1710.287+/-199.783 χ^2/NDF: 111.6/108

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.734+/-0.287 χ^2/NDF: 154950.3/27

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1675.423+/-0.280 χ^2/NDF: 421030.7/32

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

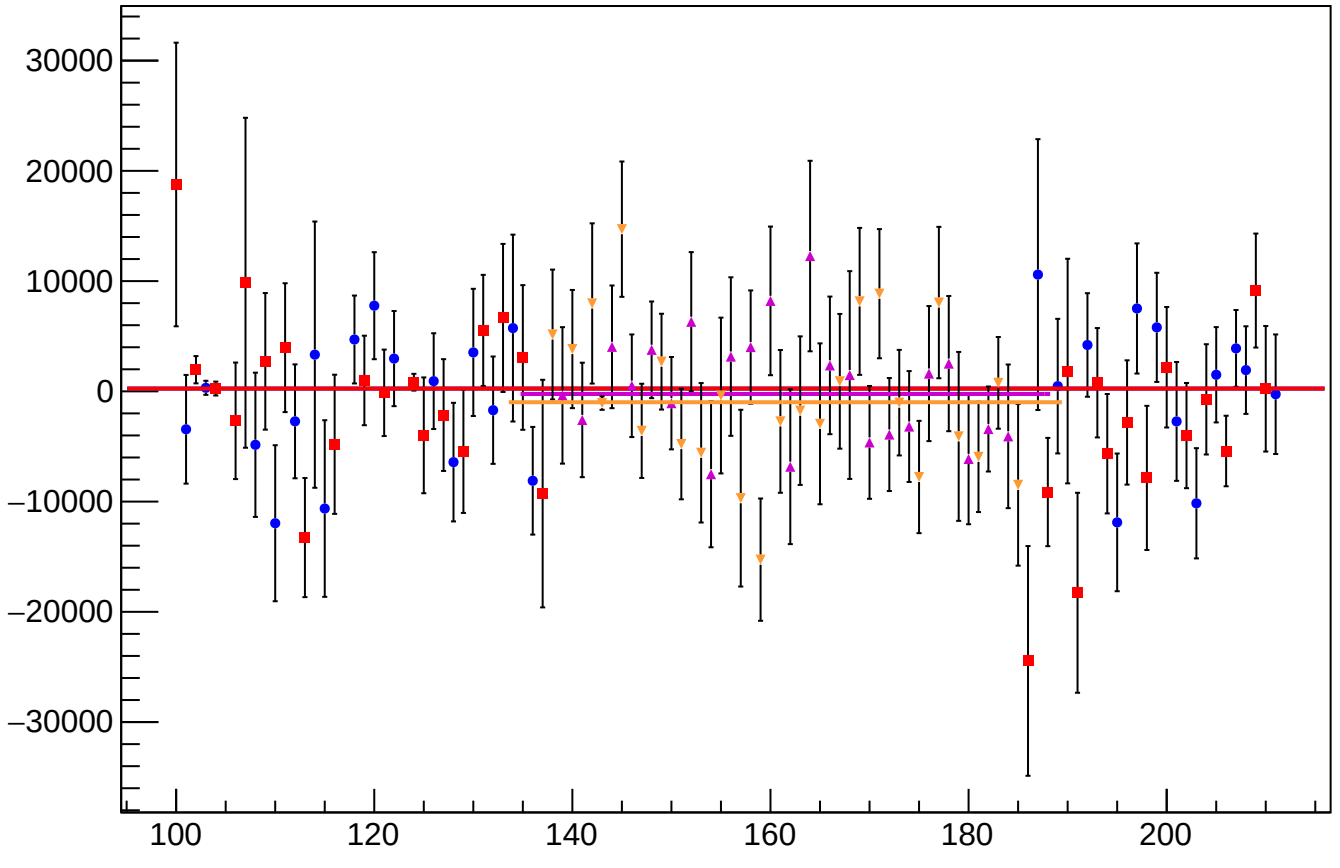
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1663.864+/-0.201 χ^2/NDF: 579464.2/60

In: 1682.859+/-0.202 χ^2/NDF:307414.6/50

Out: 1700.873+/-0.198 χ^2/NDF:892354.3/57

All: 1692.046+/-0.141 χ^2/NDF: 1203836.0/10



Right In: 252.357+/-537.524 χ^2/NDF: 29.8/27

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 250.762+/-412.458 χ^2/NDF: 41.3/32

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

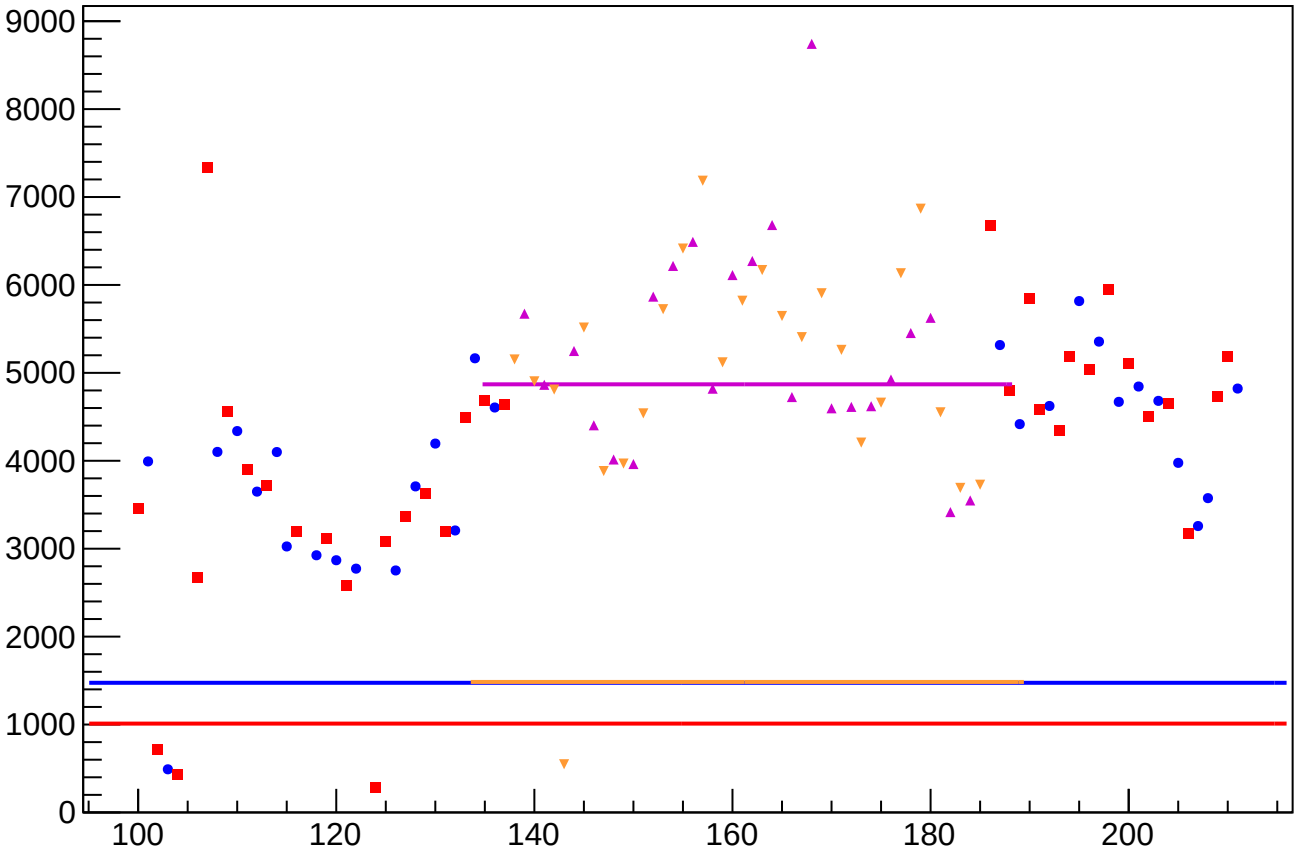
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 251.353+/-327.224 χ^2/NDF: 71.1/60

In: 166.036+/-488.080 χ^2/NDF:43.5/50

Out: -204.087+/-328.056 χ^2/NDF:75.4/57

All: -88.911+/-272.270 χ^2/NDF: 119.3/108



Right In: 1474.751+/-0.380 χ^2/NDF: 17830905.9/27

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1010.657+/-0.292 χ^2/NDF: 23097965.1/32

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

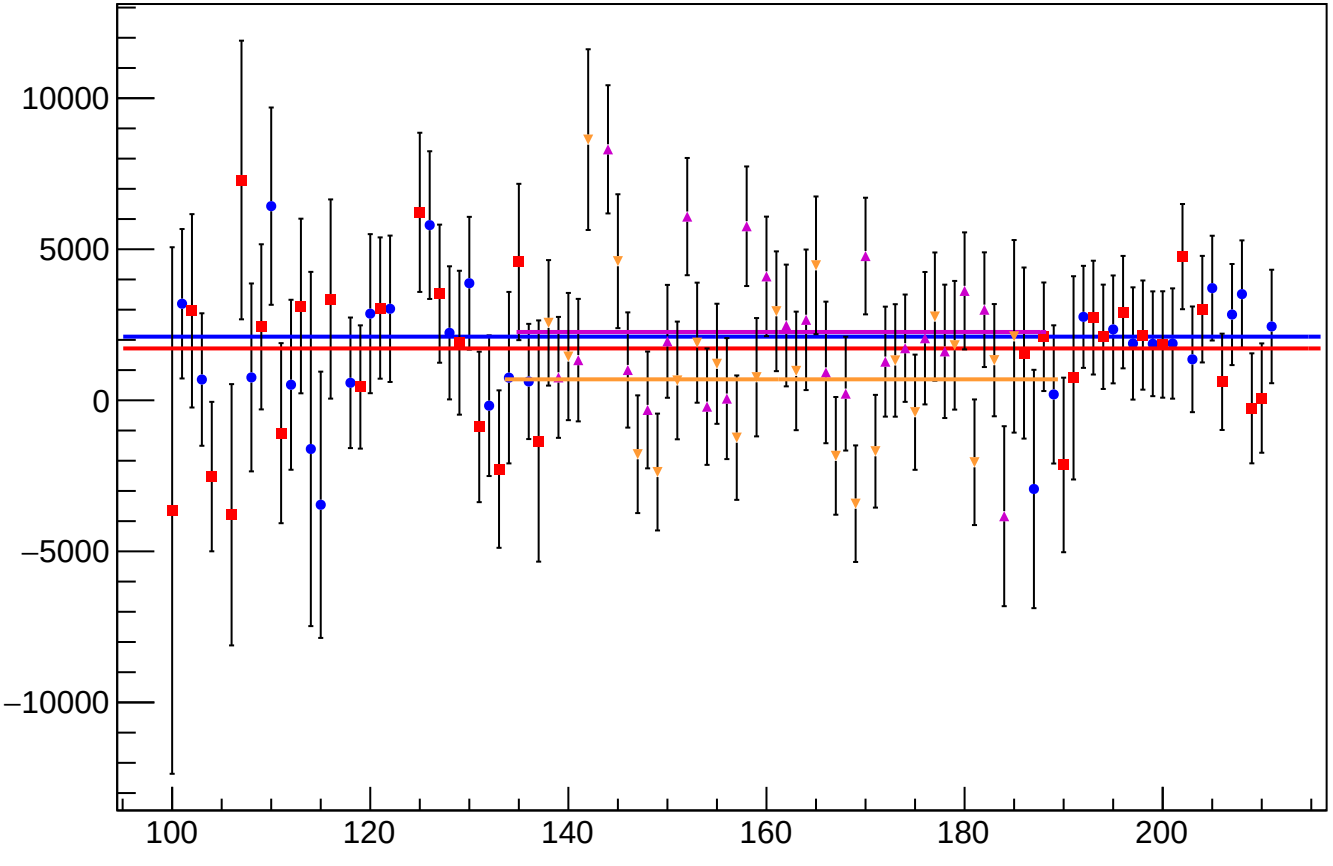
Right: 1182.646+/-0.231 χ^2/NDF: 41867252.6/60

In: 2070.592+/-0.345 χ^2/NDF:33307392.0/50

Out: 1184.736+/-0.232 χ^2/NDF:47293241.7/57

All: 1460.400+/-0.193 χ^2/NDF: 85138765.4/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2106.871+/-410.752 χ^2/NDF: 14.8/27

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1716.964+/-404.300 χ^2/NDF: 26.3/31

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

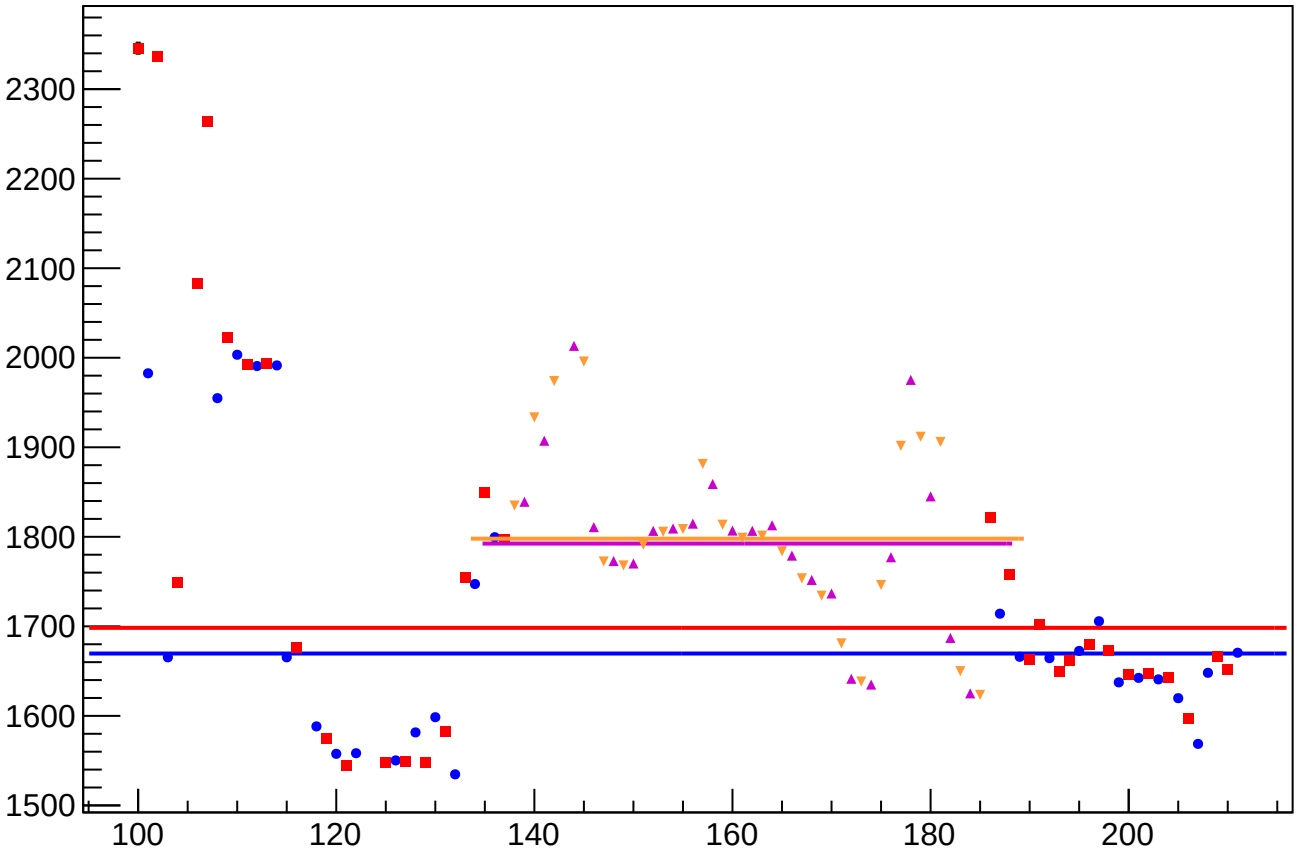
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1908.831+/-288.137 χ^2/NDF: 41.6/59

In: 2182.747+/-293.379 χ^2/NDF:45.3/50

Out: 1222.735+/-290.623 χ^2/NDF:61.6/55

All: 1698.211+/-206.469 χ^2/NDF: 112.3/106



Right In: 1669.647+/-0.290 χ^2/NDF: 152017.4/27

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1698.325+/-0.286 χ^2/NDF: 285892.2/31

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

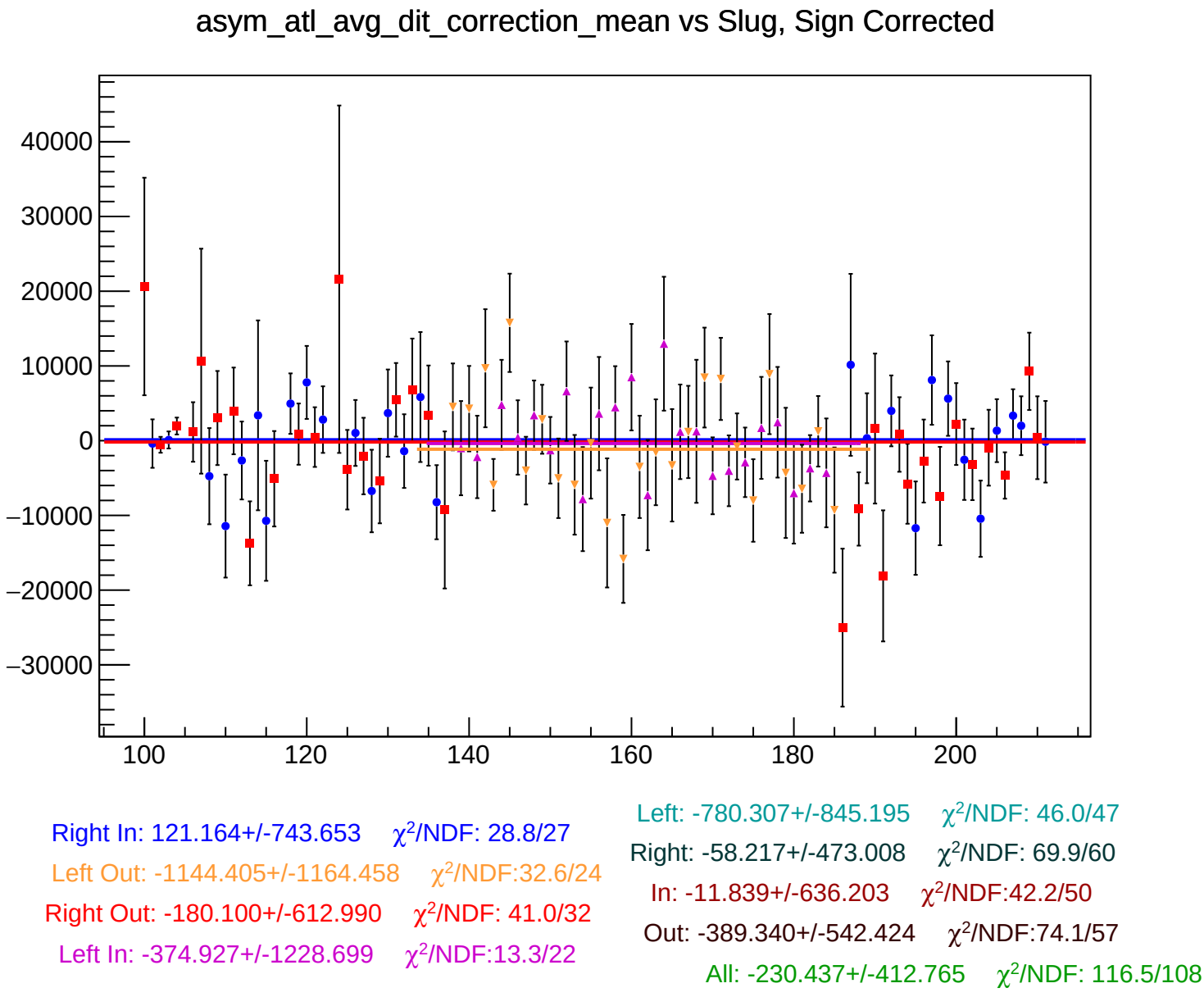
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

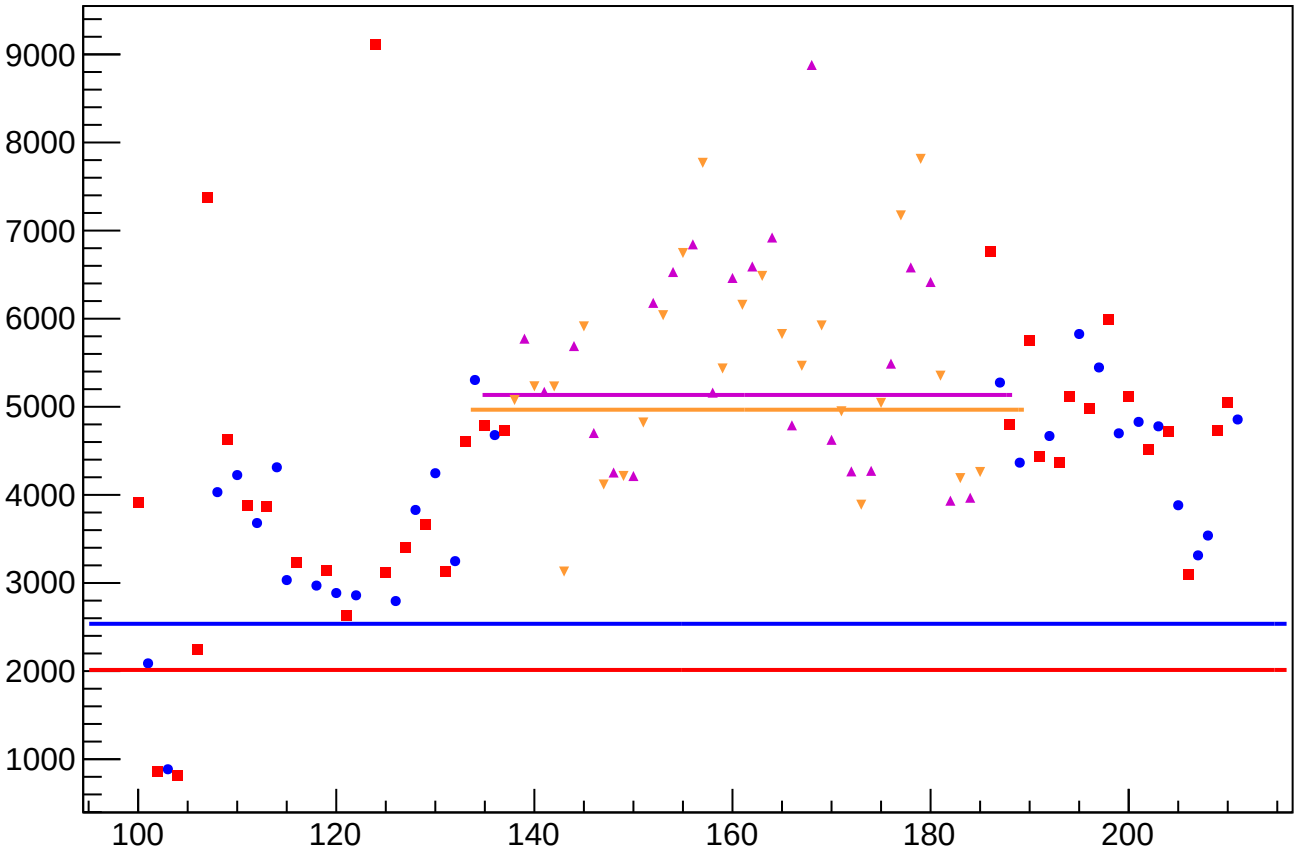
Right: 1684.225+/-0.204 χ^2/NDF: 442865.6/59

In: 1729.802+/-0.207 χ^2/NDF:332462.6/50

Out: 1746.410+/-0.205 χ^2/NDF:442584.3/55

All: 1738.188+/-0.146 χ^2/NDF: 778283.2/106


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 121.164+/-743.653 χ²/NDF: 28.8/27
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: -180.100+/-612.990 χ²/NDF: 41.0/32
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: -58.217+/-473.008 χ²/NDF: 69.9/60
In: -11.839+/-636.203 χ²/NDF:42.2/50
Out: -389.340+/-542.424 χ²/NDF:74.1/57
All: -230.437+/-412.765 χ²/NDF: 116.5/108



Right In: 2536.807+/-0.526 χ^2/NDF: 9176887.6/27

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2012.993+/-0.433 χ^2/NDF: 14458559.3/32

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

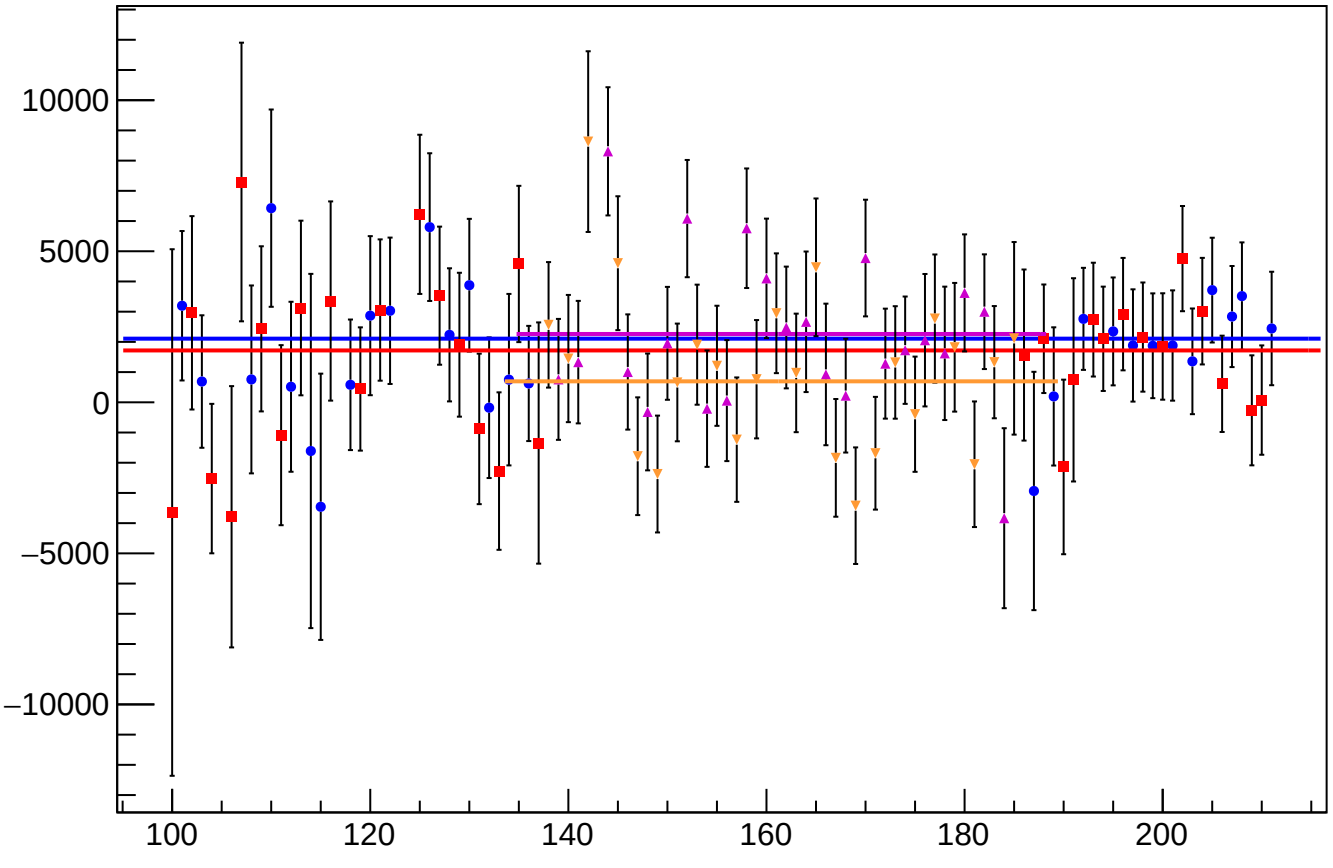
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2224.913+/-0.334 χ^2/NDF: 24226290.5/60

In: 3233.239+/-0.450 χ^2/NDF:17206507.9/50

Out: 2653.942+/-0.384 χ^2/NDF:26453696.1/57

All: 2897.787+/-0.292 χ^2/NDF: 44620420.7/



Right In: 2106.868+/-410.752 χ^2/NDF: 14.8/27

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1716.960+/-404.300 χ^2/NDF: 26.3/31

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

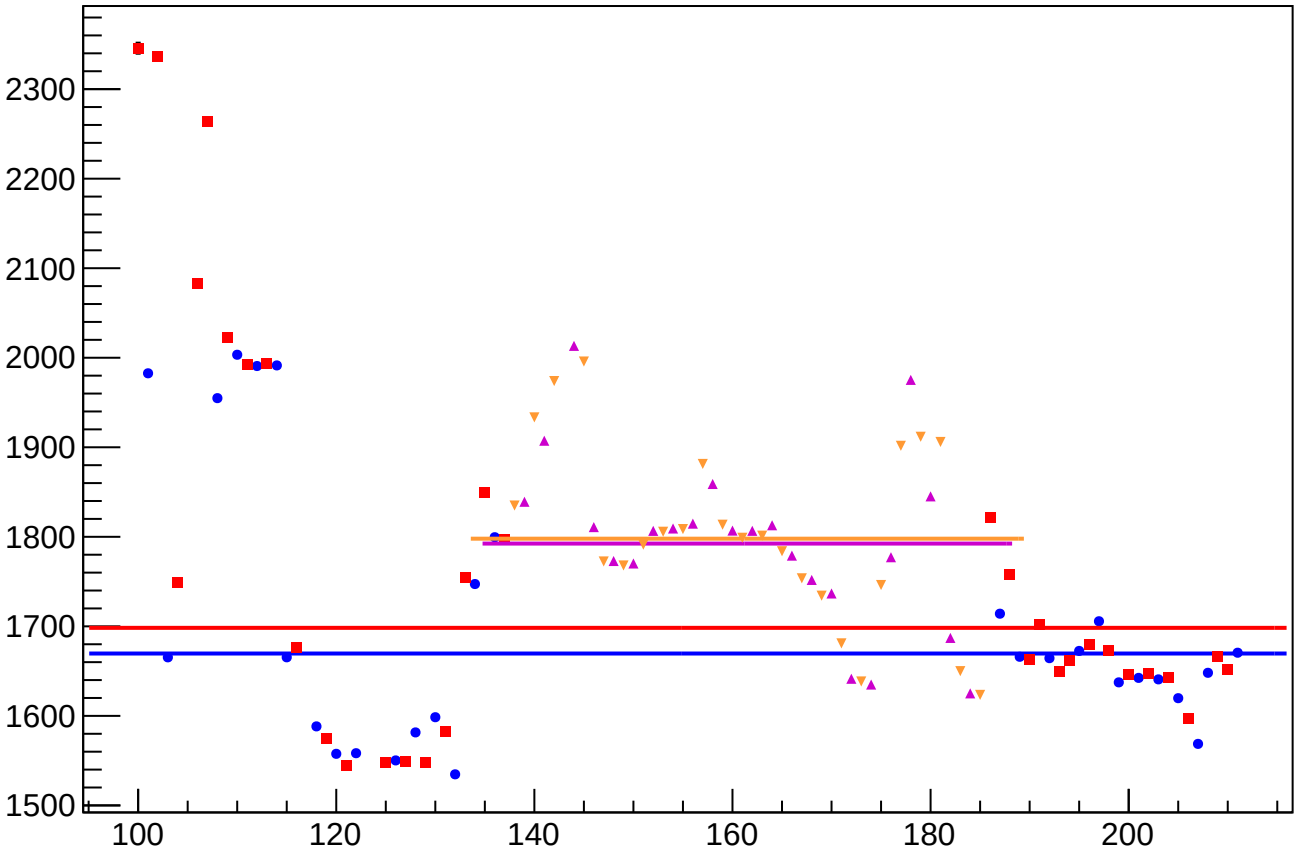
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1908.828+/-288.137 χ^2/NDF: 41.6/59

In: 2182.745+/-293.379 χ^2/NDF:45.3/50

Out: 1222.731+/-290.623 χ^2/NDF:61.6/55

All: 1698.208+/-206.469 χ^2/NDF: 112.3/106



Right In: 1669.647+/-0.290 χ^2/NDF: 152017.6/27

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1698.325+/-0.286 χ^2/NDF: 285891.6/31

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

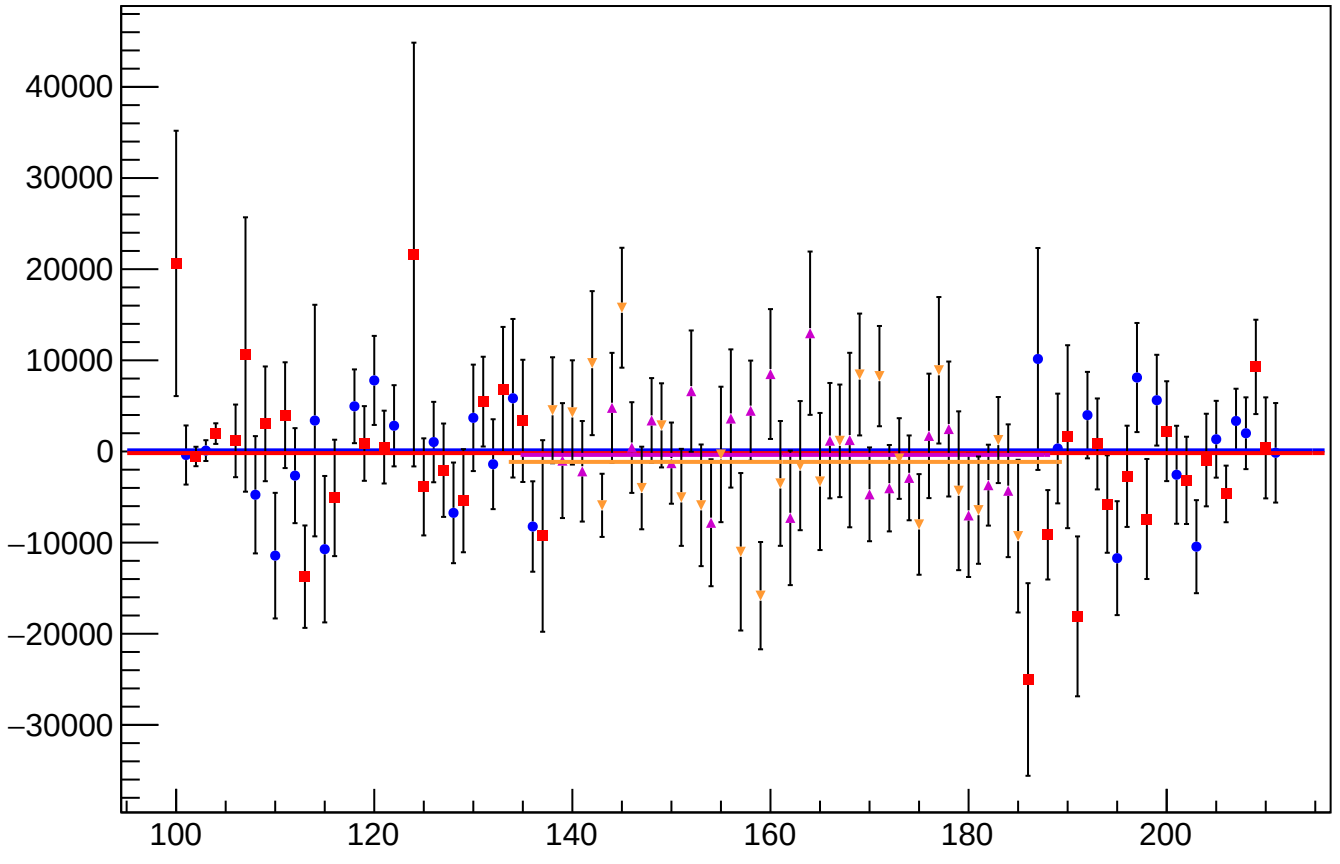
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1684.225+/-0.204 χ^2/NDF: 442865.2/59

In: 1729.802+/-0.207 χ^2/NDF:332467.9/50

Out: 1746.411+/-0.205 χ^2/NDF:442588.9/55

All: 1738.189+/-0.146 χ^2/NDF: 778293.2/106



Right In: 121.165+/-743.650 χ^2/NDF: 28.8/27

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -180.093+/-612.987 χ^2/NDF: 41.0/32

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

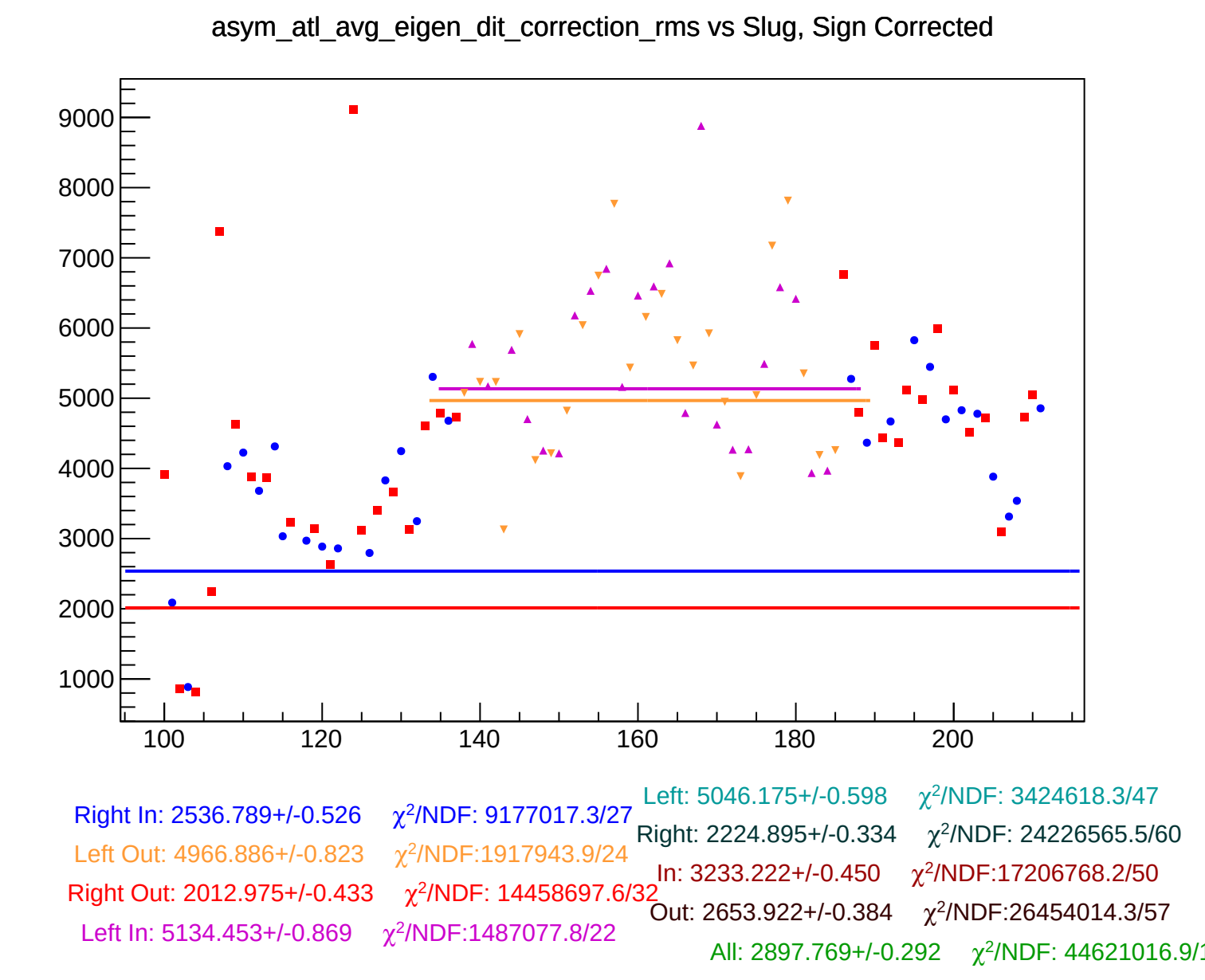
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -58.212+/-473.005 χ^2/NDF: 69.9/60

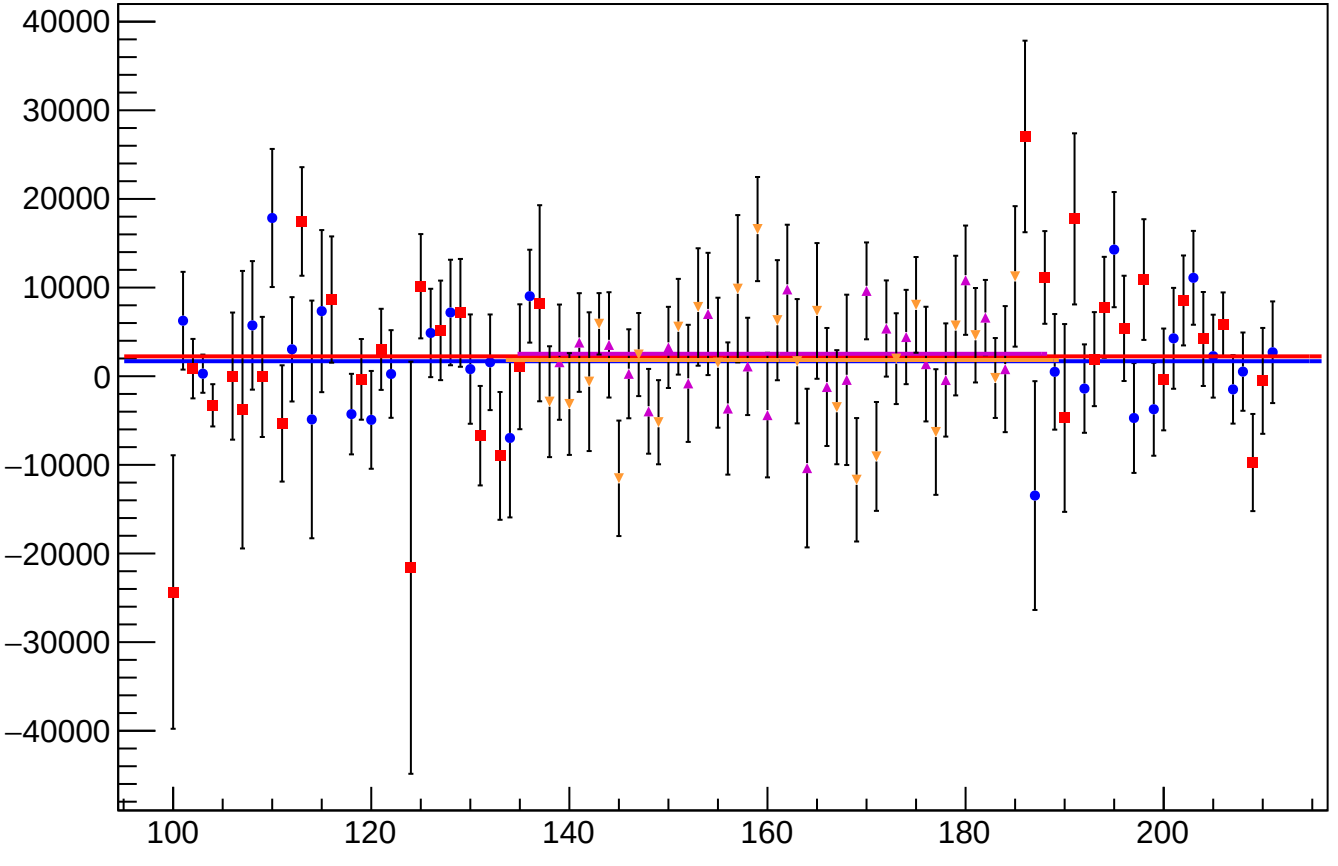
In: -11.838+/-636.201 χ^2/NDF:42.2/50

Out: -389.333+/-542.422 χ^2/NDF:74.1/57

All: -230.432+/-412.763 χ^2/NDF: 116.5/108


asym_atl_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2536.789+/-0.526 χ²/NDF: 9177017.3/27
Left Out: 4966.886+/-0.823 χ²/NDF:1917943.9/24
Right Out: 2012.975+/-0.433 χ²/NDF: 14458697.6/32
Left In: 5134.453+/-0.869 χ²/NDF:1487077.8/22
Left: 5046.175+/-0.598 χ²/NDF: 3424618.3/47
Right: 2224.895+/-0.334 χ²/NDF: 24226565.5/60
In: 3233.222+/-0.450 χ²/NDF:17206768.2/50
Out: 2653.922+/-0.384 χ²/NDF:26454014.3/57
All: 2897.769+/-0.292 χ²/NDF: 44621016.9/1

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1692.046+/-977.051 χ^2/NDF: 25.7/27

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2240.093+/-965.013 χ^2/NDF: 48.5/32

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

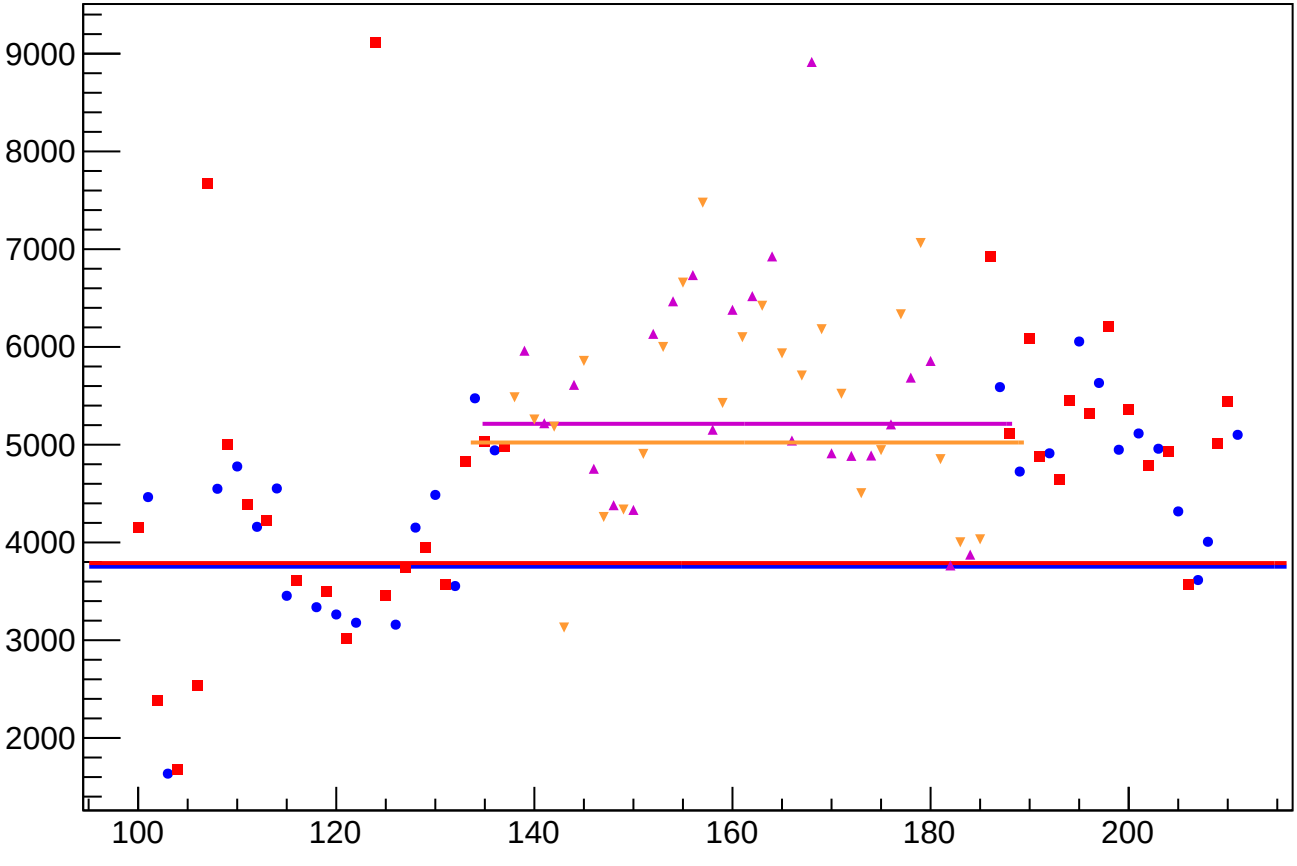
Right: 1969.466+/-686.584 χ^2/NDF: 74.4/60

In: 2012.176+/-767.924 χ^2/NDF:39.1/50

Out: 2072.944+/-745.096 χ^2/NDF:79.7/57

All: 2043.477+/-534.751 χ^2/NDF: 118.9/108

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3752.085+/-0.691 χ^2/NDF: 3449557.3/27

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3789.039+/-0.676 χ^2/NDF: 4182997.3/32

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

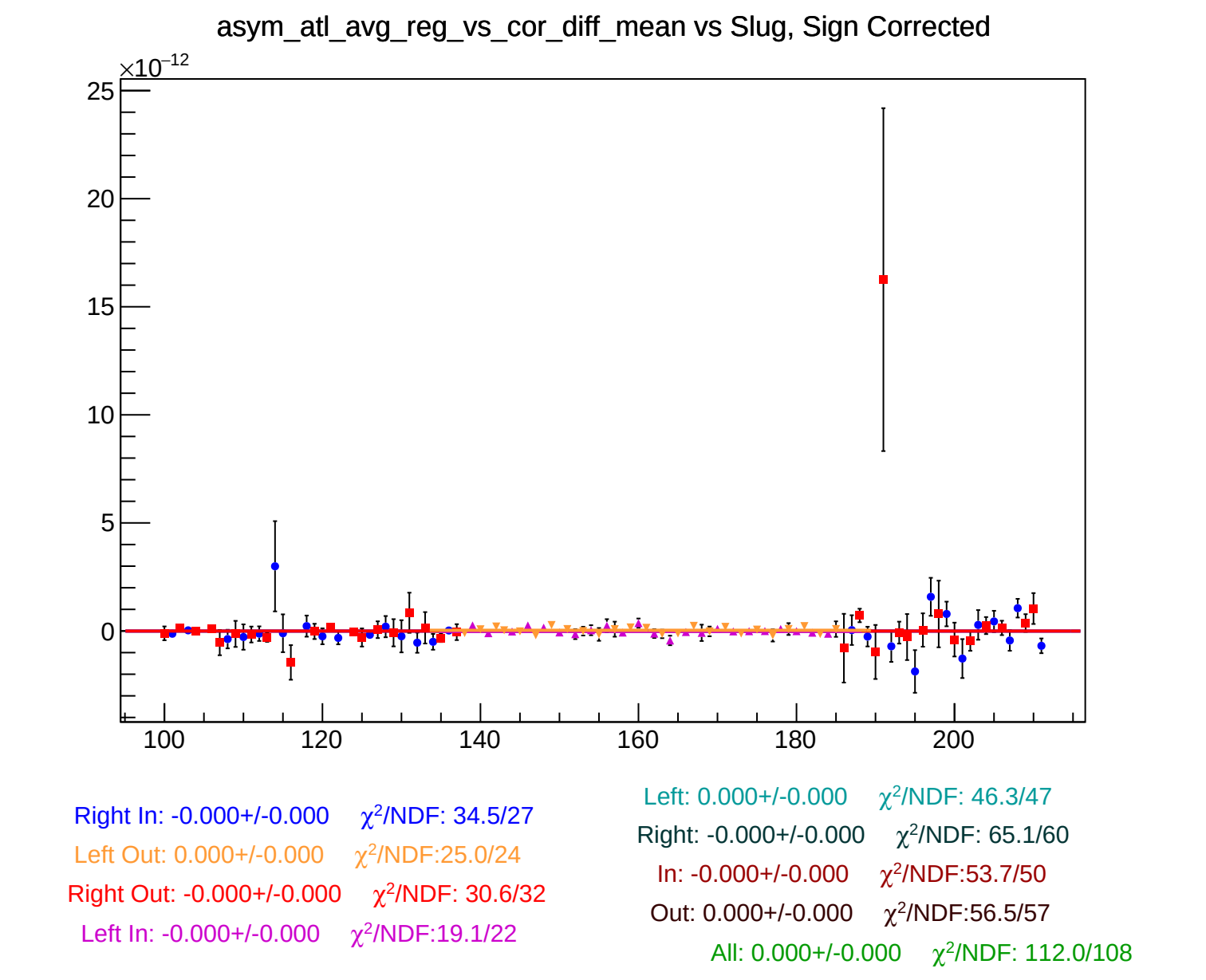
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

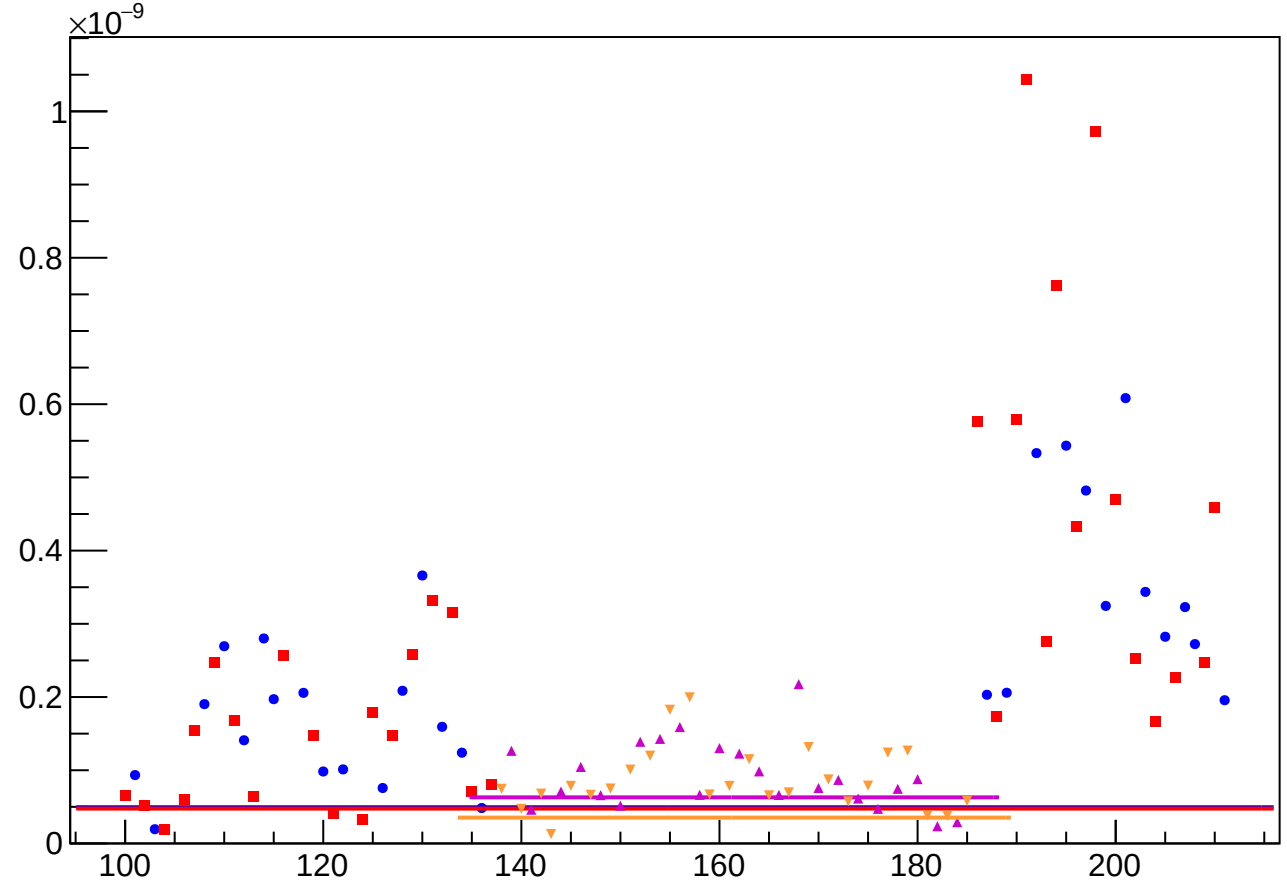
Right: 3770.967+/-0.483 χ^2/NDF: 7634016.6/60

In: 4310.780+/-0.543 χ^2/NDF:6383485.7/50

Out: 4281.470+/-0.524 χ^2/NDF:7189127.2/57

All: 4295.600+/-0.377 χ^2/NDF: 13574121.9/


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.5/27
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.6/32
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 65.1/60
In: -0.000+/-0.000 χ²/NDF:53.7/50
Out: 0.000+/-0.000 χ²/NDF:56.5/57
All: 0.000+/-0.000 χ²/NDF: 112.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 8941422.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9278520.8/32

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

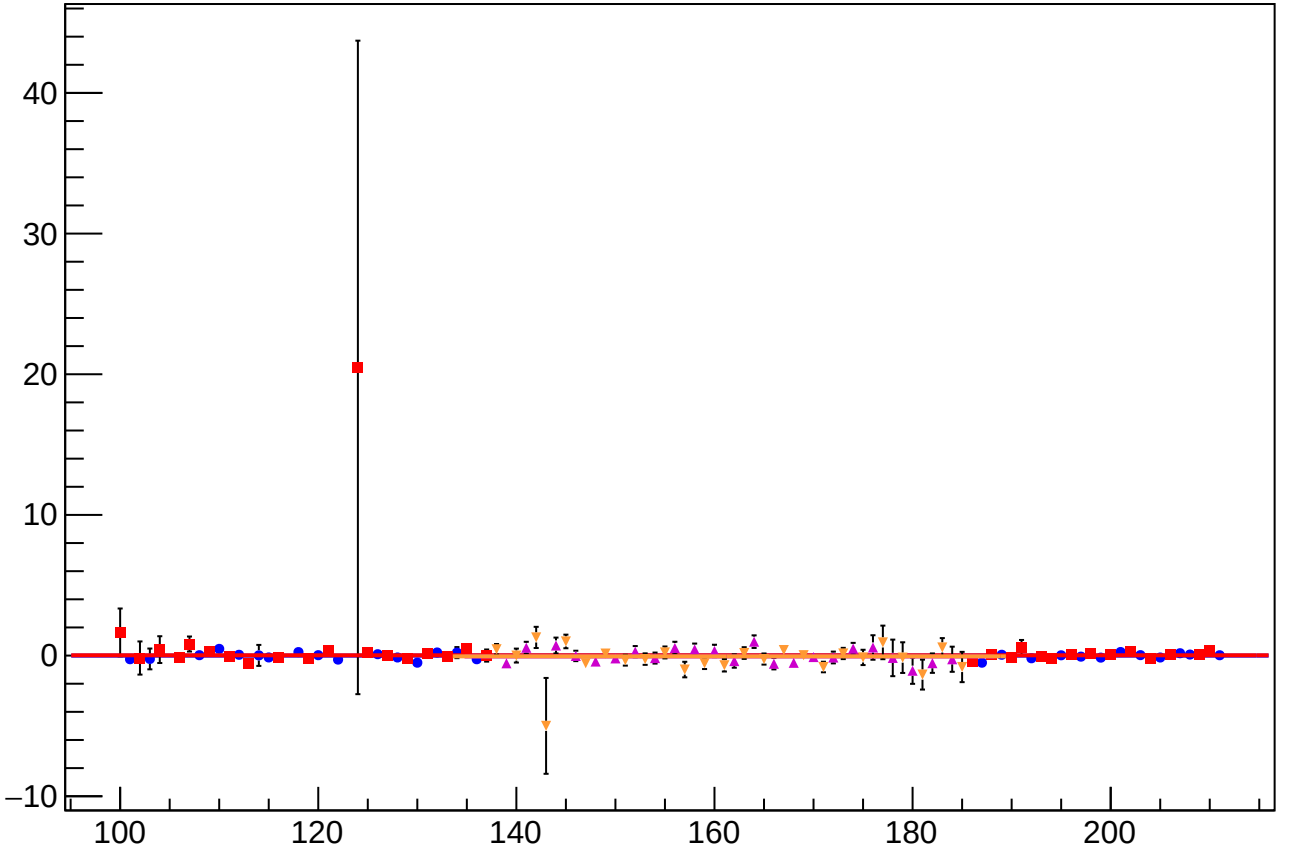
Right: 0.000+/-0.000 χ^2/NDF: 18223057.9/60

In: 0.000+/-0.000 χ^2/NDF:12071089.5/50

Out: 0.000+/-0.000 χ^2/NDF:16017324.1/57

All: 0.000+/-0.000 χ^2/NDF: 29123003.2/108

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.020+/-0.035 χ^2/NDF: 35.5/32

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

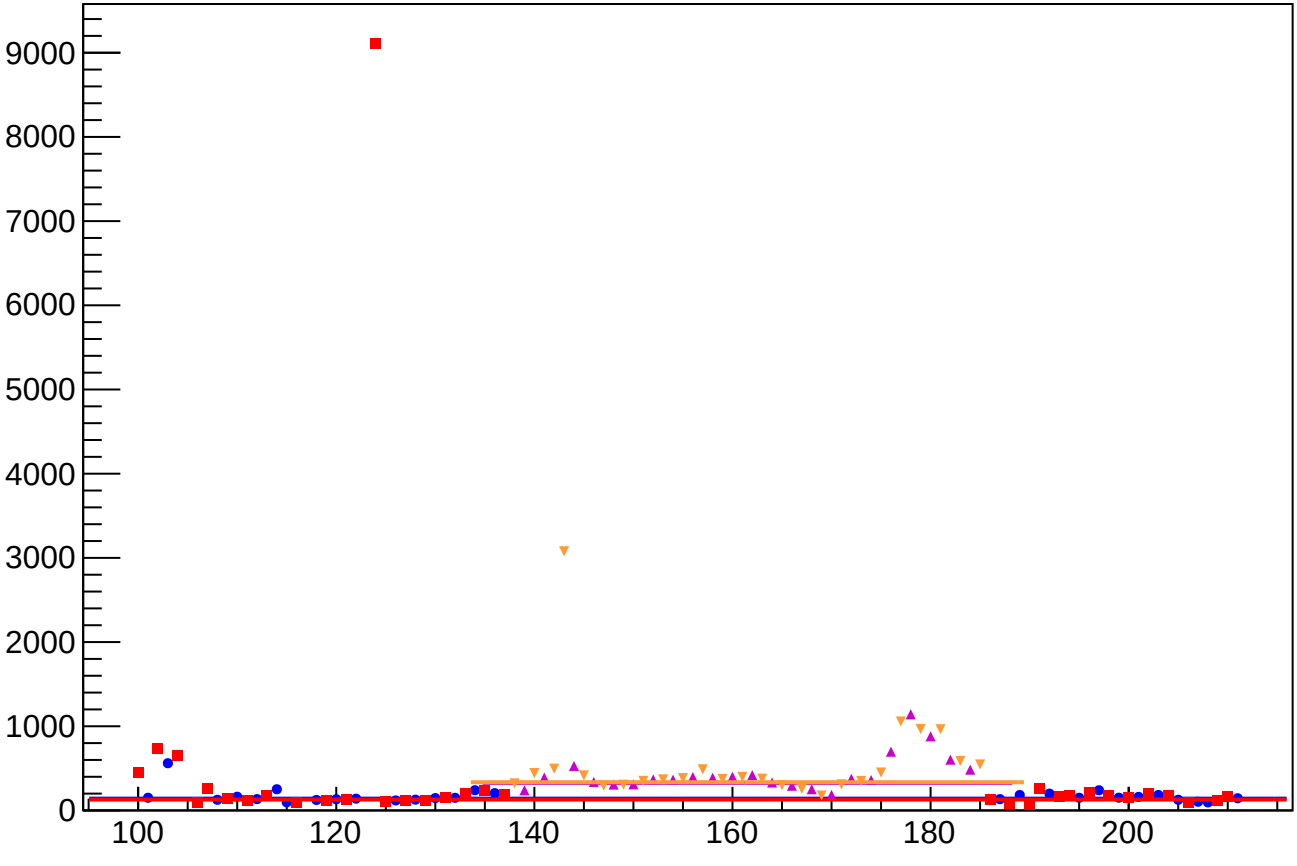
Right: 0.010+/-0.025 χ^2/NDF: 62.6/60

In: -0.013+/-0.034 χ^2/NDF:55.3/50

Out: 0.010+/-0.032 χ^2/NDF:69.3/57

All: -0.001+/-0.023 χ^2/NDF: 124.8/108

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.184+/-0.026 χ^2/NDF: 2277081.9/27

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.709+/-0.024 χ^2/NDF: 4273317.5/32

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

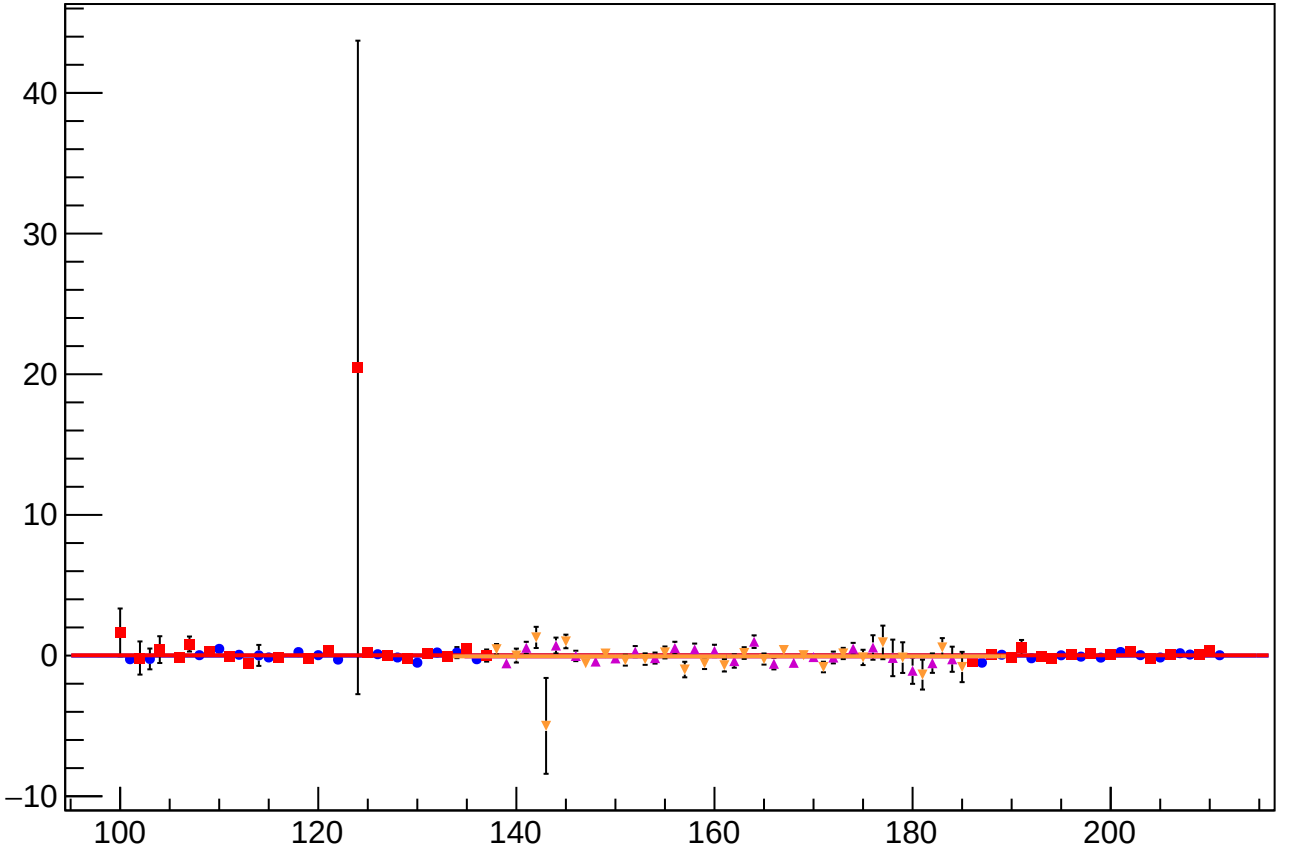
Right: 134.556+/-0.018 χ^2/NDF: 6635123.3/60

In: 171.842+/-0.024 χ^2/NDF:14955717.6/50

Out: 159.171+/-0.023 χ^2/NDF:20227412.3/57

All: 165.129+/-0.016 χ^2/NDF: 35330218.3/10

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.020+/-0.035 χ^2/NDF: 35.5/32

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

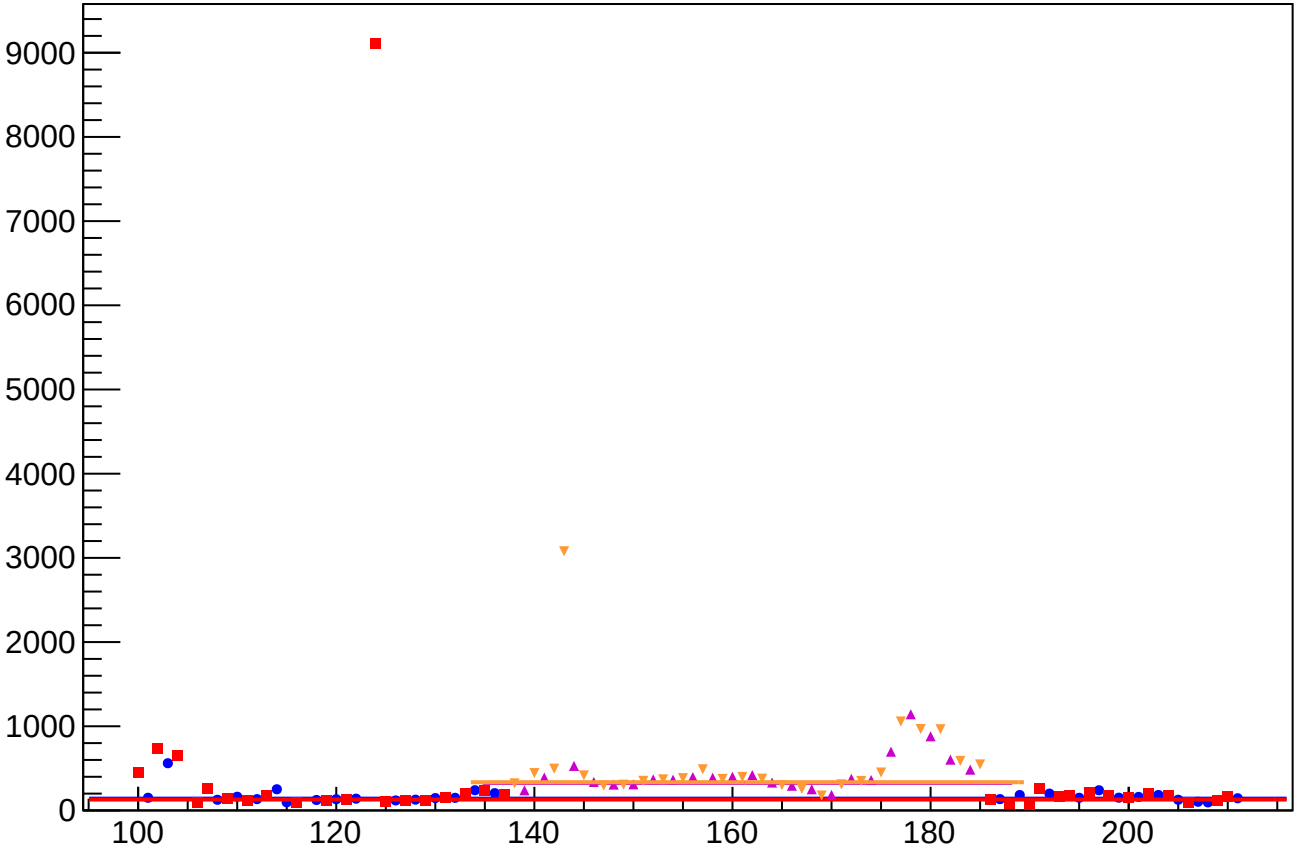
Right: 0.010+/-0.025 χ^2/NDF: 62.6/60

In: -0.013+/-0.034 χ^2/NDF:55.3/50

Out: 0.010+/-0.032 χ^2/NDF:69.3/57

All: -0.001+/-0.023 χ^2/NDF: 124.8/108

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.184+/-0.026 χ^2/NDF: 2277081.9/27

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.709+/-0.024 χ^2/NDF: 4273317.5/32

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

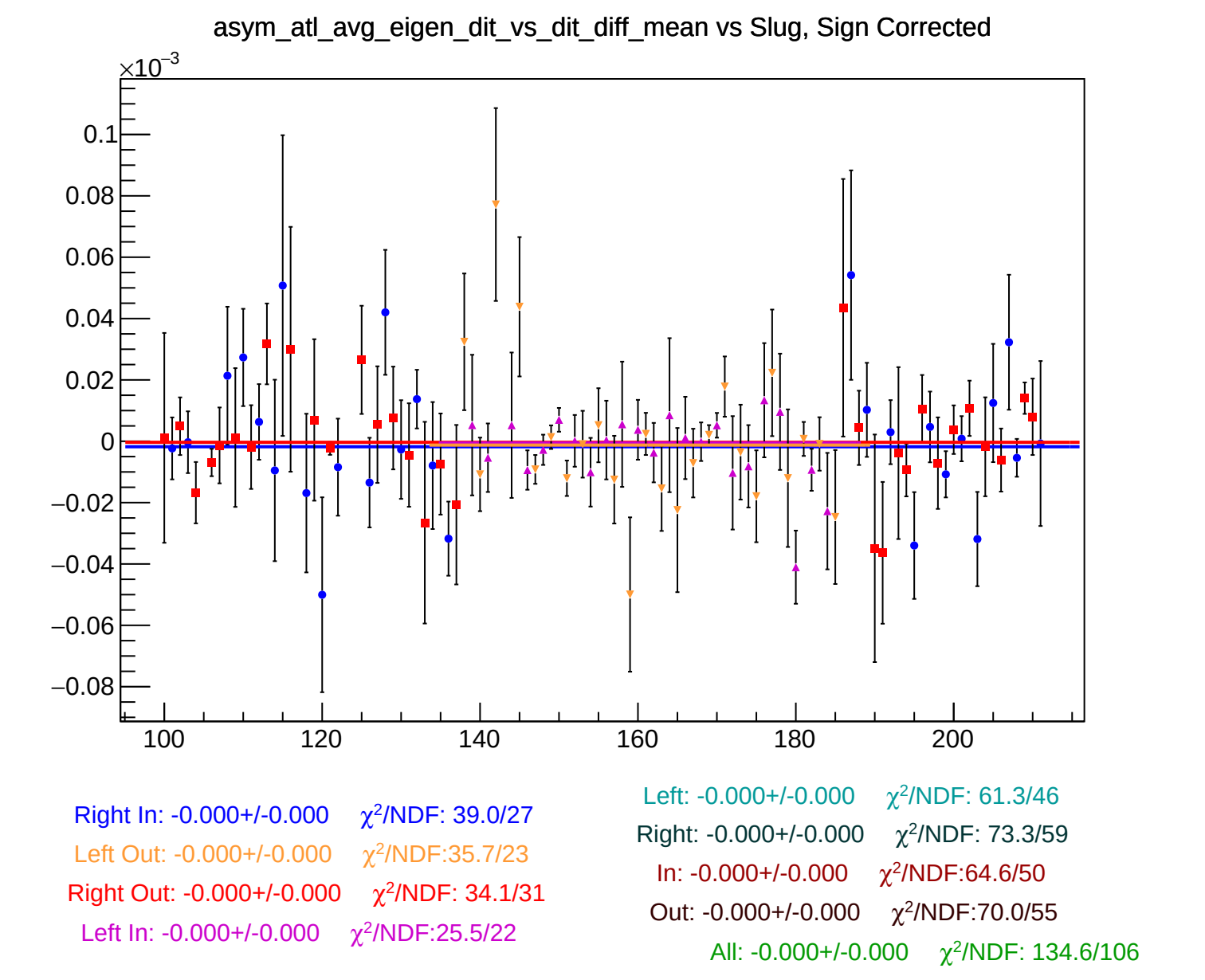
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

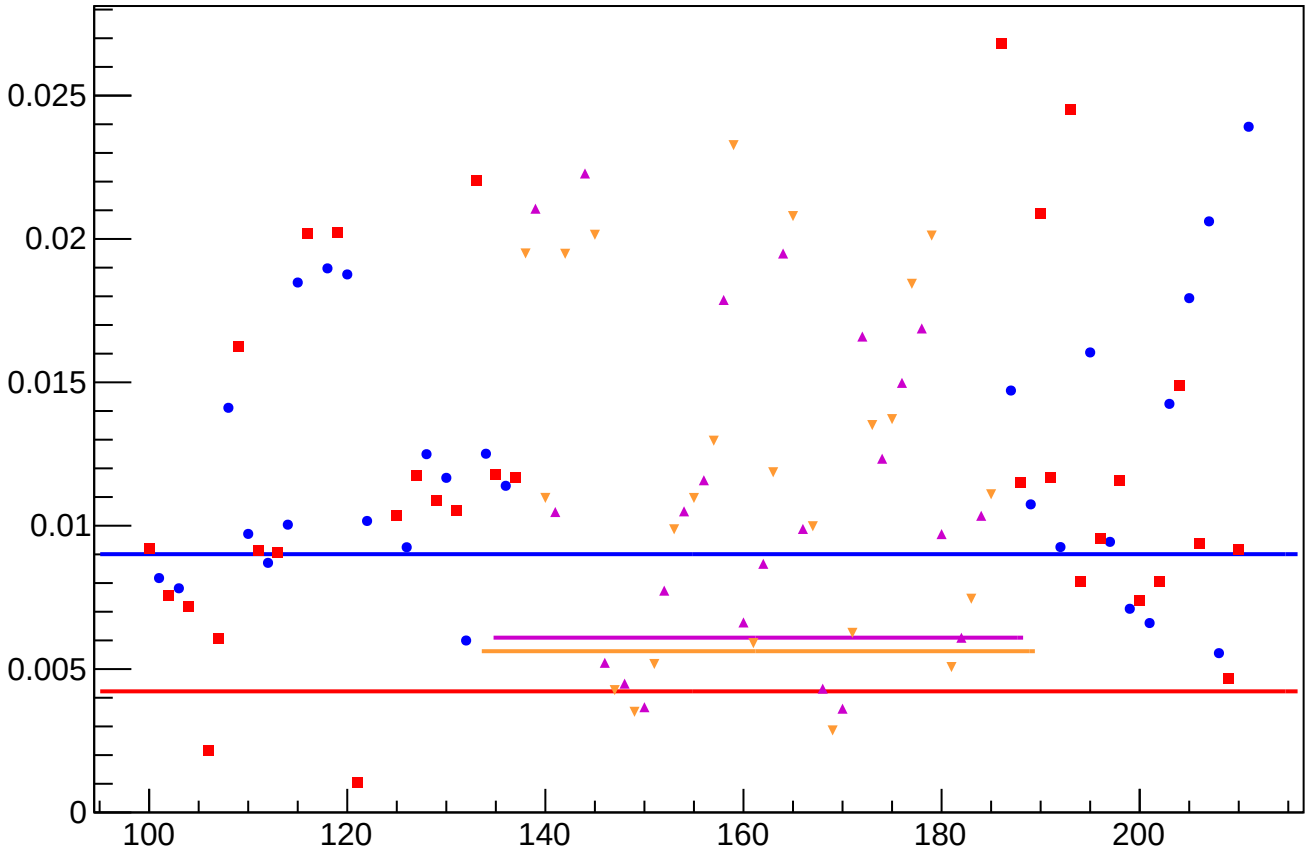
Right: 134.556+/-0.018 χ^2/NDF: 6635123.3/60

In: 171.842+/-0.024 χ^2/NDF:14955717.6/50

Out: 159.171+/-0.023 χ^2/NDF:20227412.3/57

All: 165.129+/-0.016 χ^2/NDF: 35330218.3/10


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: 39.0/27
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.1/31
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: 73.3/59
In: -0.000+/-0.000 χ²/NDF:64.6/50
Out: -0.000+/-0.000 χ²/NDF:70.0/55
All: -0.000+/-0.000 χ²/NDF: 134.6/106



Right In: 0.009+/-0.000 χ^2/NDF: 4382743.9/27

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16637601.2/31

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

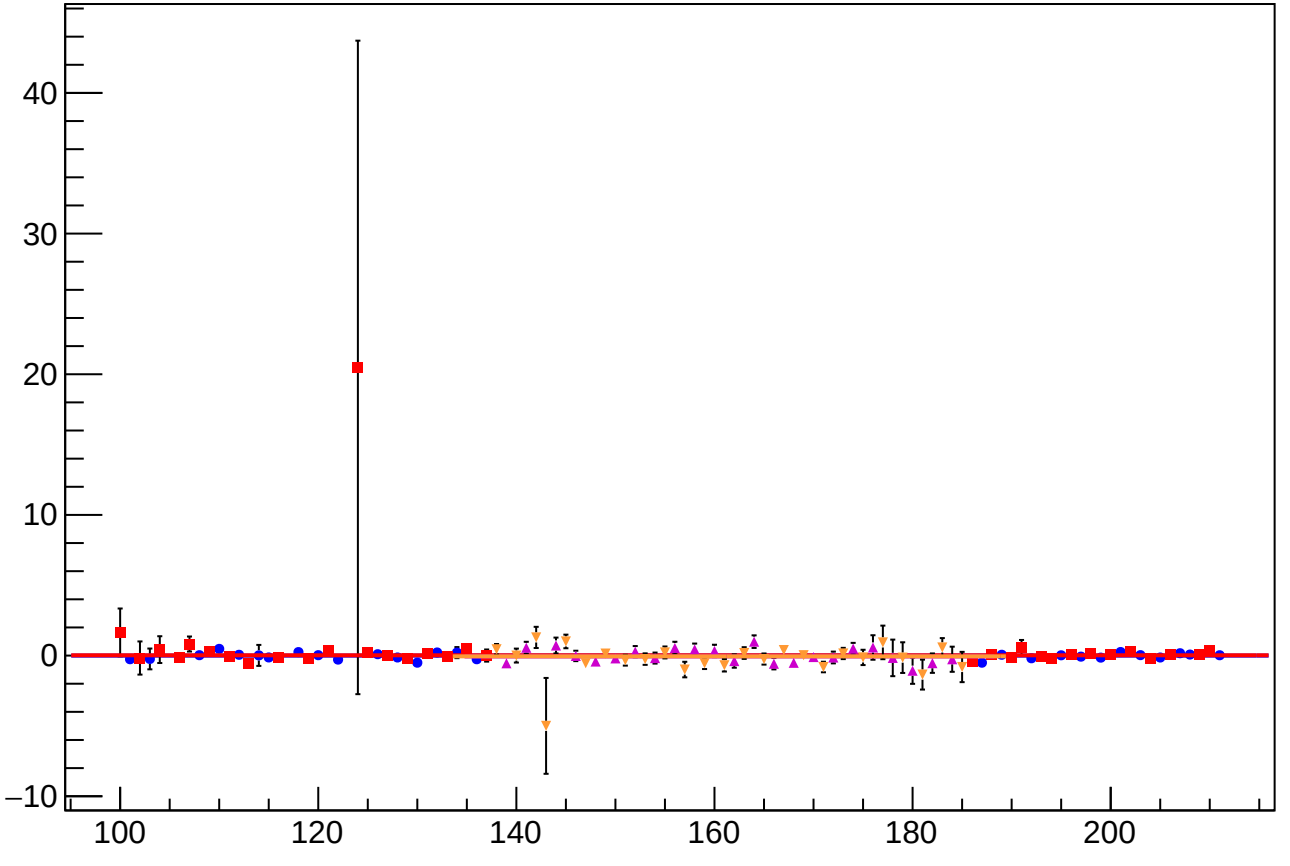
Right: 0.006+/-0.000 χ^2/NDF: 26686917.2/59

In: 0.007+/-0.000 χ^2/NDF:15086918.0/50

Out: 0.005+/-0.000 χ^2/NDF:28641218.6/55

All: 0.006+/-0.000 χ^2/NDF: 46825717.2/106

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.020+/-0.035 χ^2/NDF: 35.5/32

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

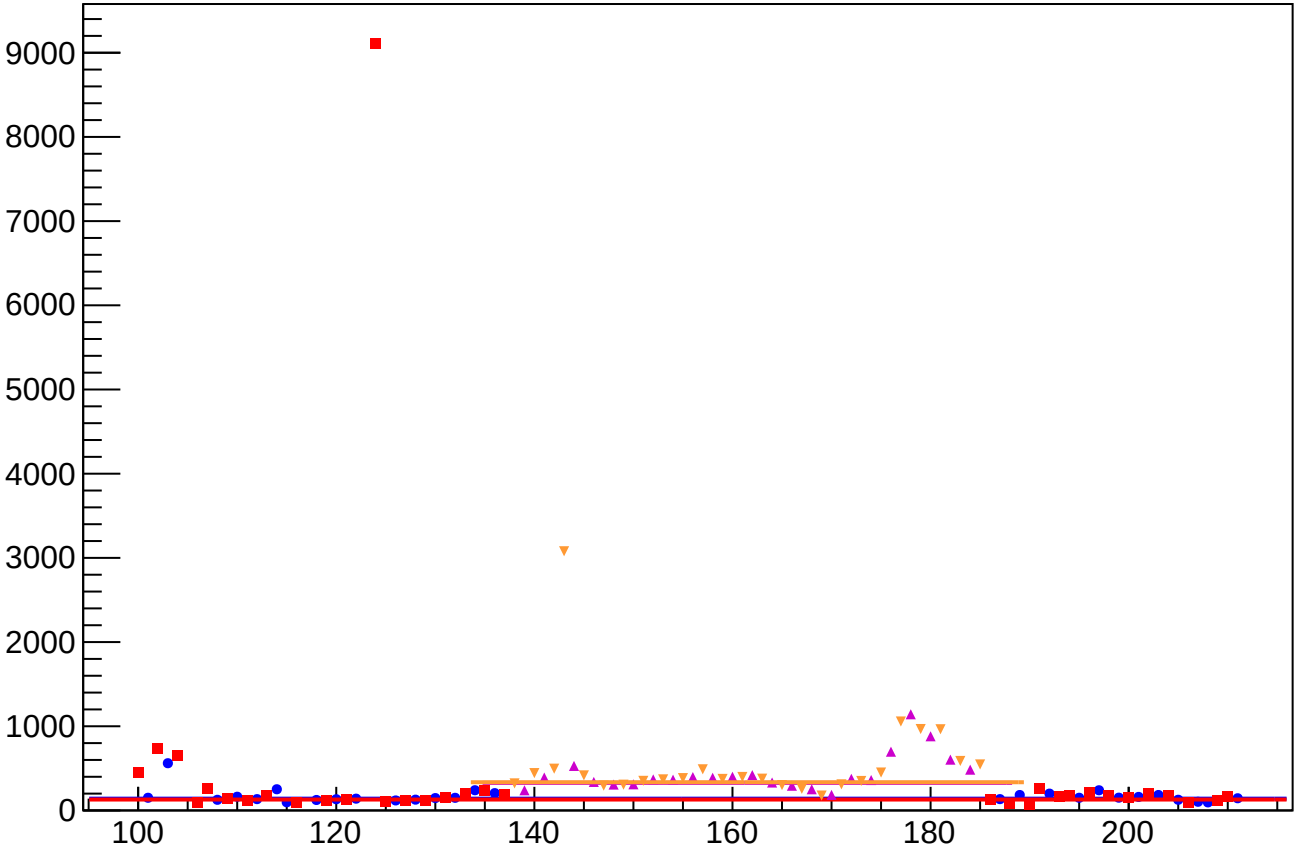
Right: 0.010+/-0.025 χ^2/NDF: 62.6/60

In: -0.013+/-0.034 χ^2/NDF:55.3/50

Out: 0.010+/-0.032 χ^2/NDF:69.3/57

All: -0.001+/-0.023 χ^2/NDF: 124.8/108

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.181+/-0.026 χ^2/NDF: 2277320.0/27

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.707+/-0.024 χ^2/NDF: 4273437.2/32

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

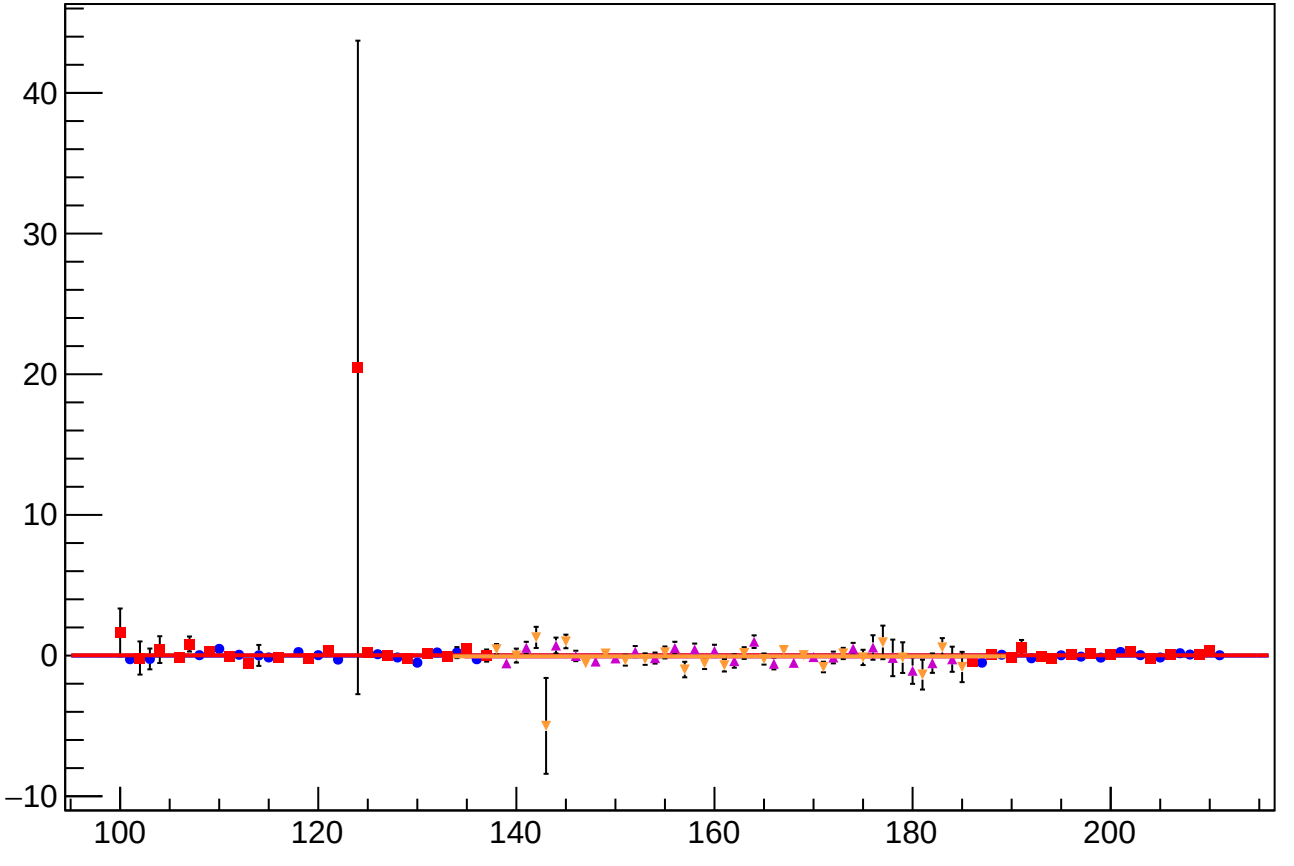
Right: 134.553+/-0.018 χ^2/NDF: 6635472.2/60

In: 171.839+/-0.024 χ^2/NDF:14956398.4/50

Out: 159.169+/-0.023 χ^2/NDF:20227931.2/57

All: 165.126+/-0.016 χ^2/NDF: 35331406.1/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.037 χ^2/NDF: 26.8/27

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.020+/-0.035 χ^2/NDF: 35.5/32

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

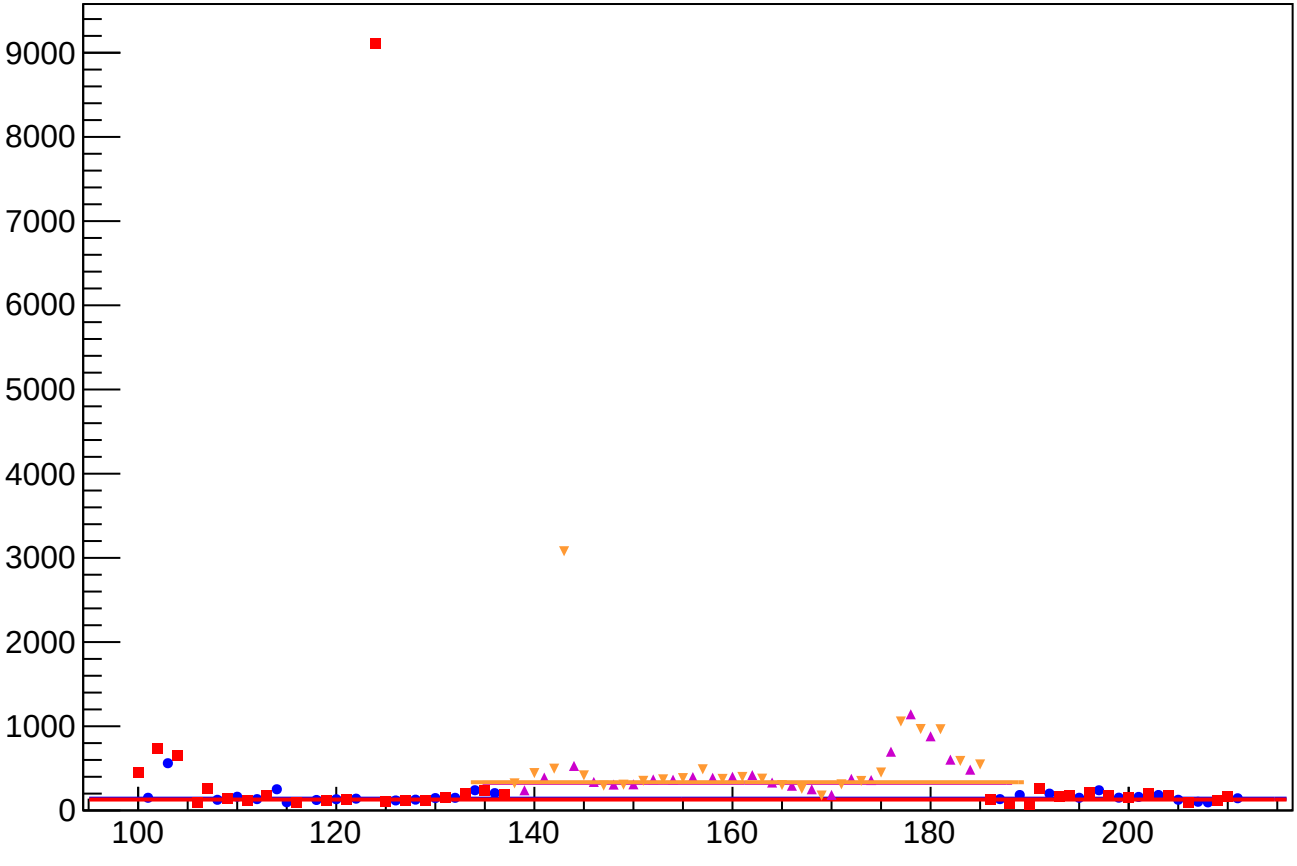
Right: 0.010+/-0.025 χ^2/NDF: 62.6/60

In: -0.013+/-0.034 χ^2/NDF:55.3/50

Out: 0.010+/-0.032 χ^2/NDF:69.3/57

All: -0.001+/-0.023 χ^2/NDF: 124.8/108

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.181+/-0.026 χ^2/NDF: 2277320.0/27

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.707+/-0.024 χ^2/NDF: 4273437.2/32

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

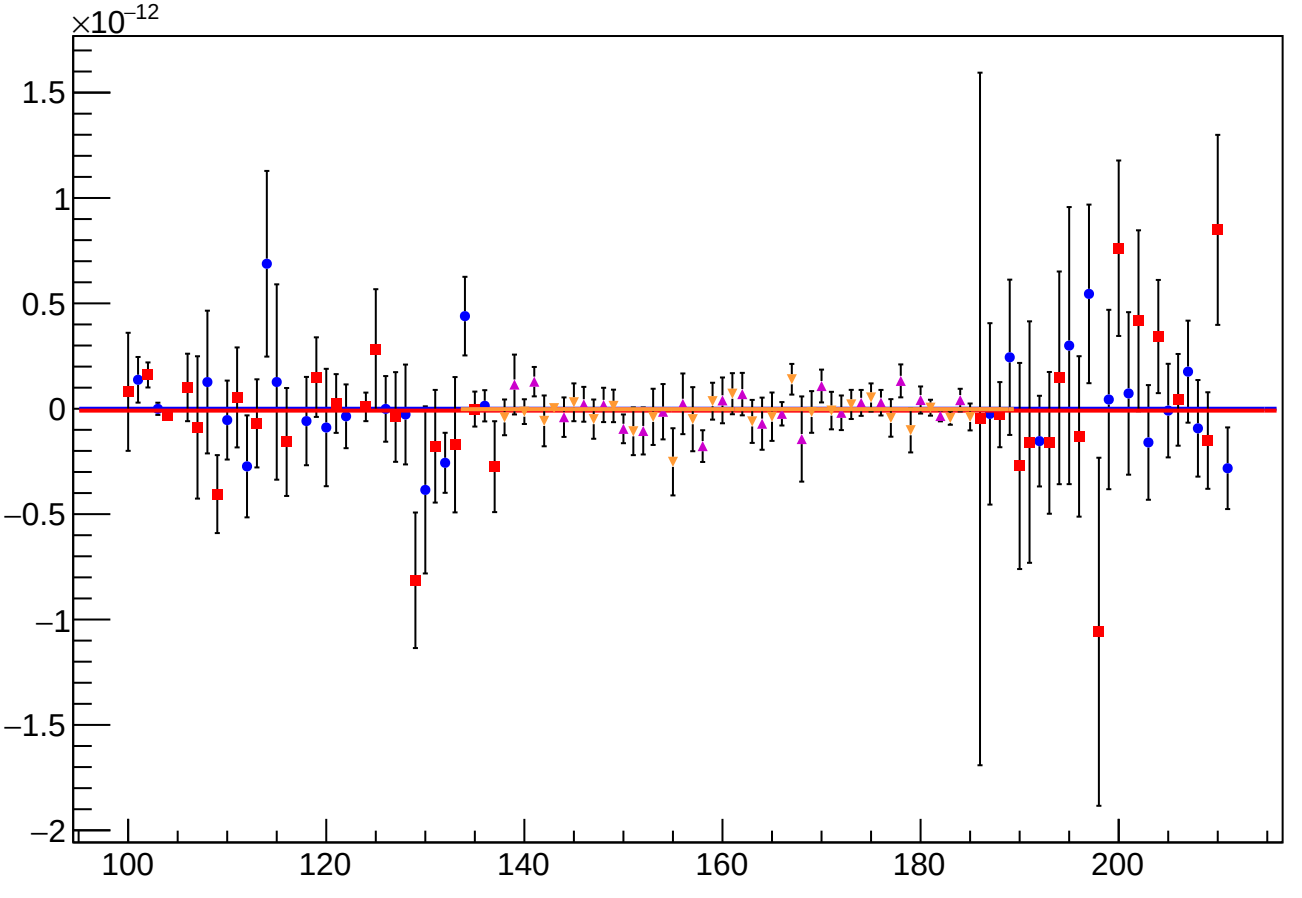
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 134.553+/-0.018 χ^2/NDF: 6635472.2/60

In: 171.839+/-0.024 χ^2/NDF:14956398.4/50

Out: 159.169+/-0.023 χ^2/NDF:20227931.2/57

All: 165.126+/-0.016 χ^2/NDF: 35331406.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/32

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

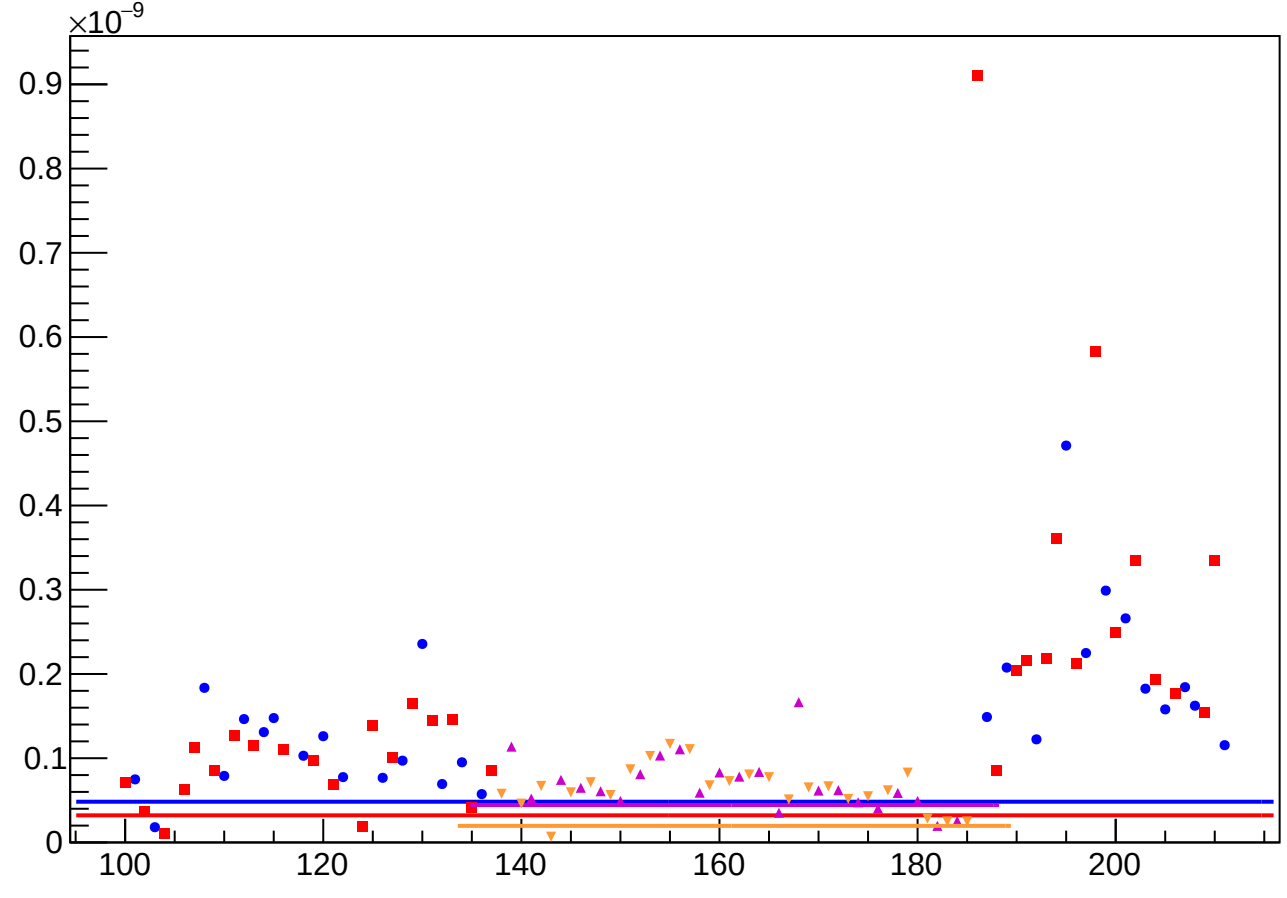
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 59.5/60

In: -0.000+/-0.000 χ^2/NDF:44.1/50

Out: -0.000+/-0.000 χ^2/NDF:51.5/57

All: -0.000+/-0.000 χ^2/NDF: 95.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 9898645.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13673481.2/32

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

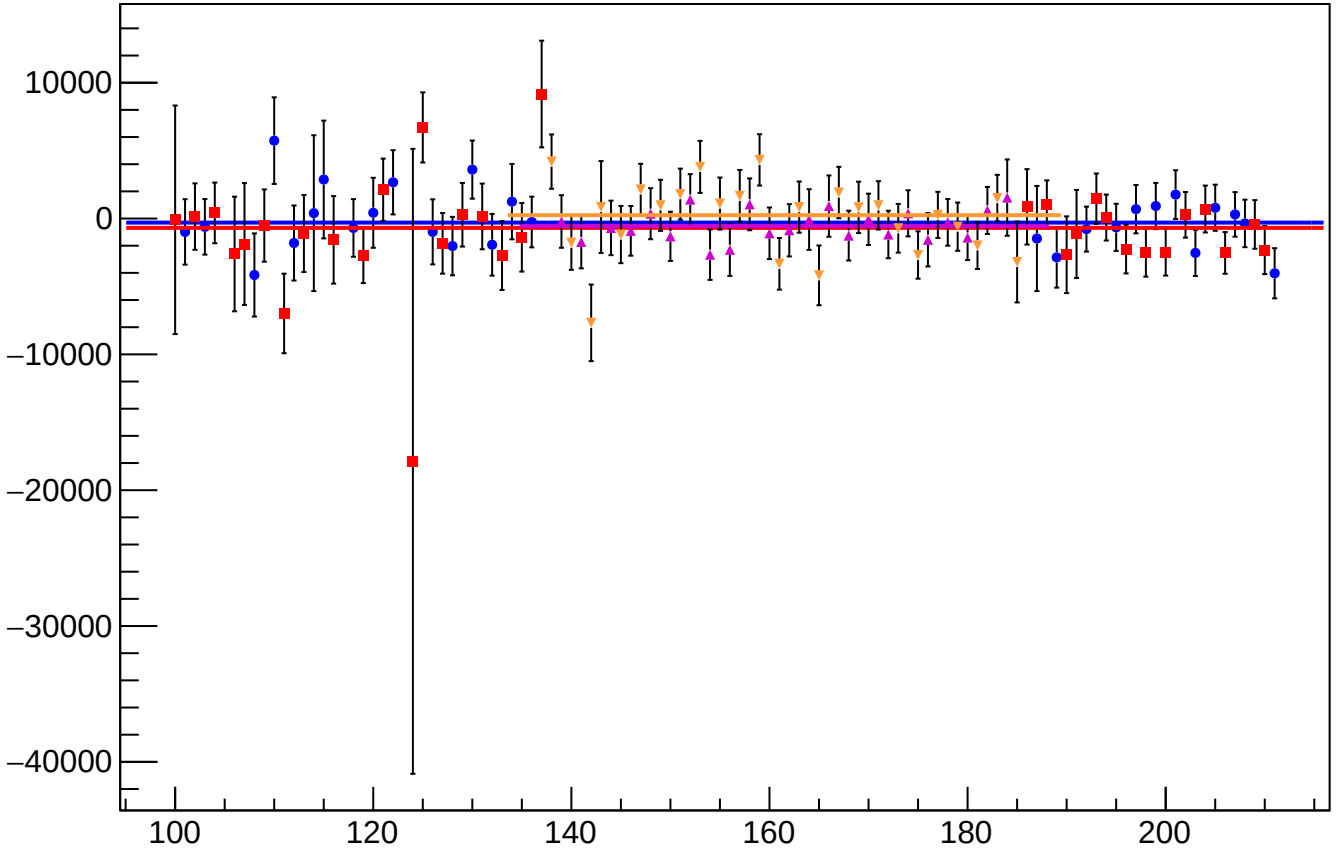
Right: 0.000+/-0.000 χ^2/NDF: 24182910.0/60

In: 0.000+/-0.000 χ^2/NDF:15860061.8/50

Out: 0.000+/-0.000 χ^2/NDF:29348998.3/57

All: 0.000+/-0.000 χ^2/NDF: 50746164.4/108

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -299.237+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -685.489+/-391.702 χ^2/NDF: 33.8/32

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

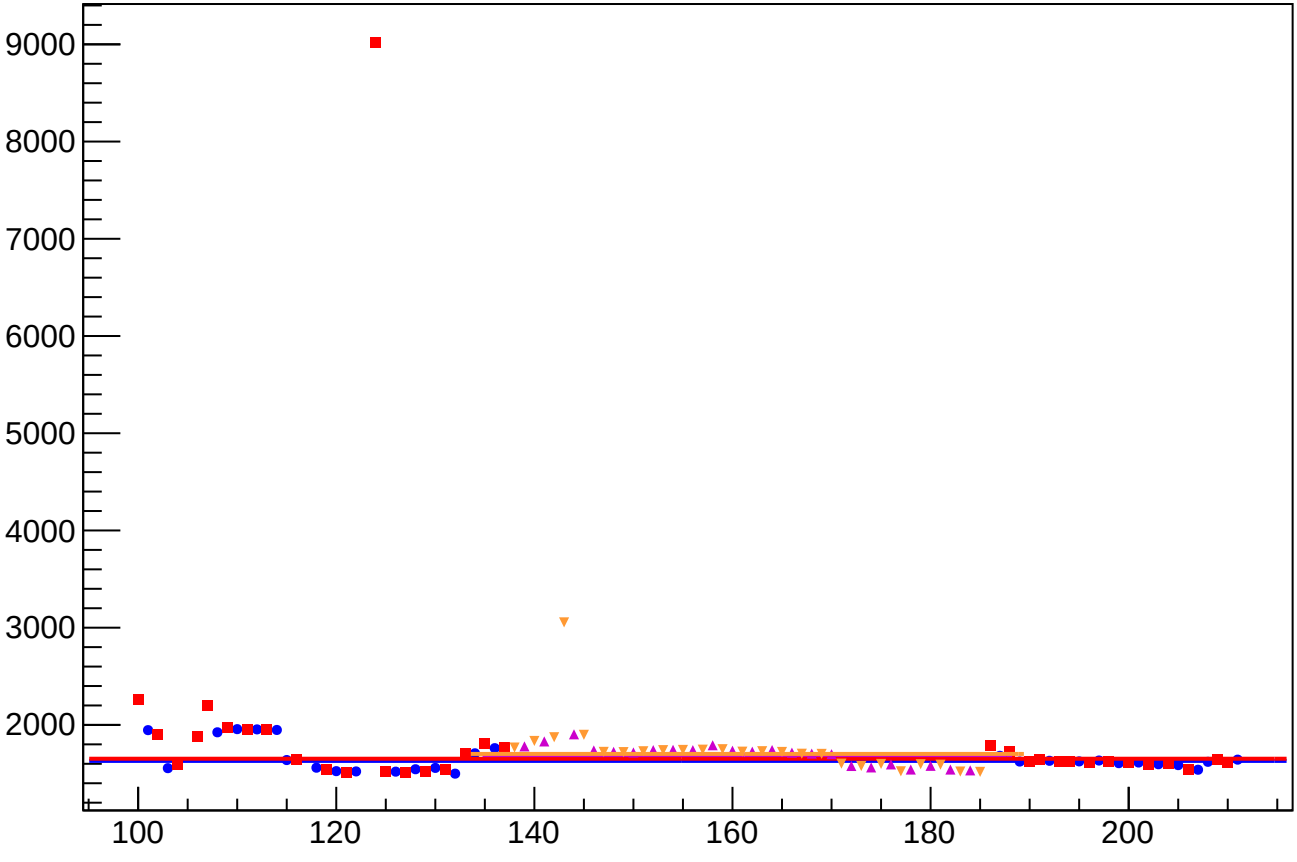
Right: -496.798+/-280.137 χ^2/NDF: 57.0/60

In: -431.480+/-281.377 χ^2/NDF:30.5/50

Out: -215.189+/-275.953 χ^2/NDF:76.3/57

All: -321.230+/-197.018 χ^2/NDF: 107.0/108

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1652.156+/-0.276 χ^2/NDF: 422648.8/32

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

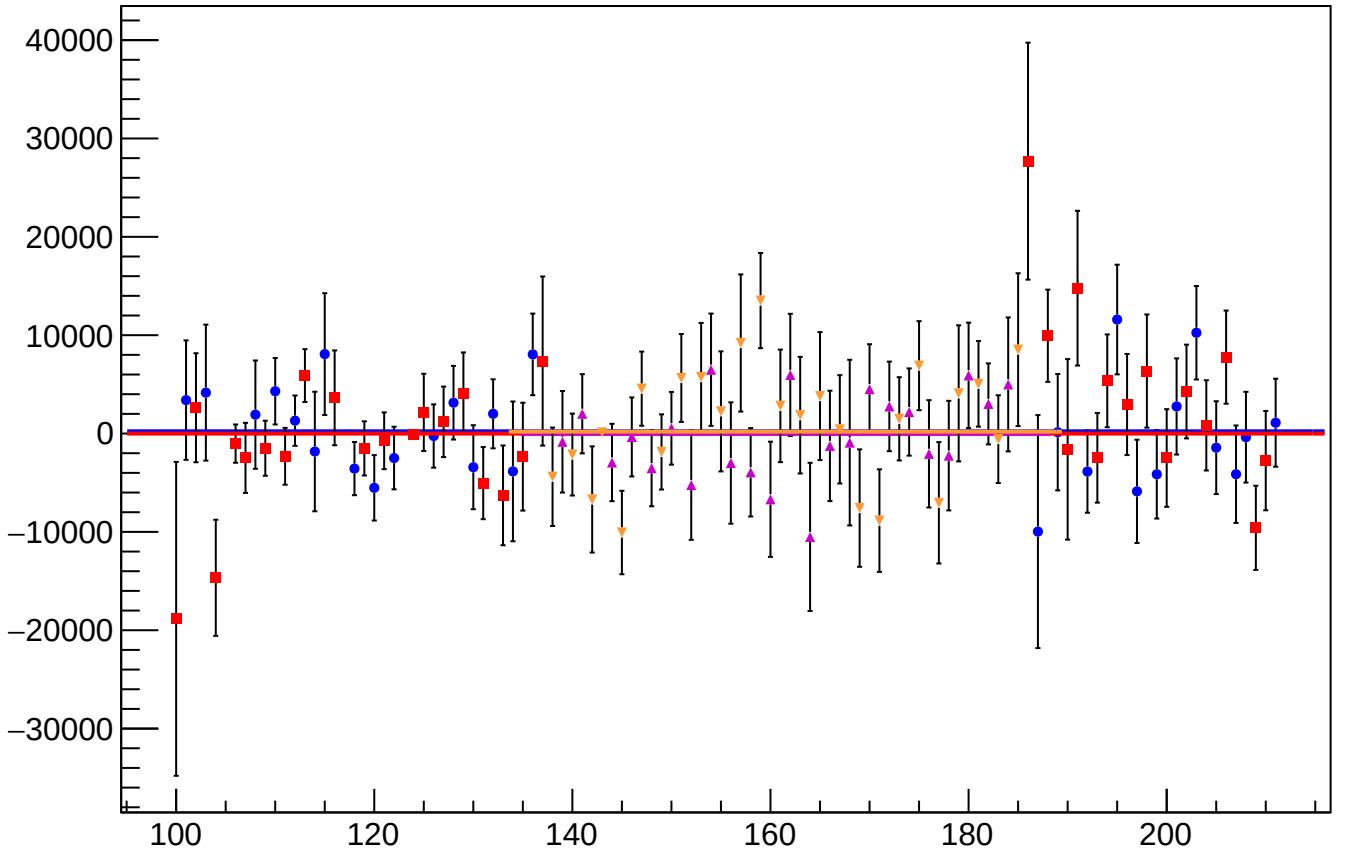
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.255+/-0.198 χ^2/NDF: 583066.8/60

In: 1659.955+/-0.199 χ^2/NDF:301869.2/50

Out: 1677.008+/-0.195 χ^2/NDF:891096.0/57

All: 1668.655+/-0.139 χ^2/NDF: 1196712.8/10



Right In: 226.502+/-800.151 χ^2/NDF: 29.0/27

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -6.892+/-315.364 χ^2/NDF: 46.6/32

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

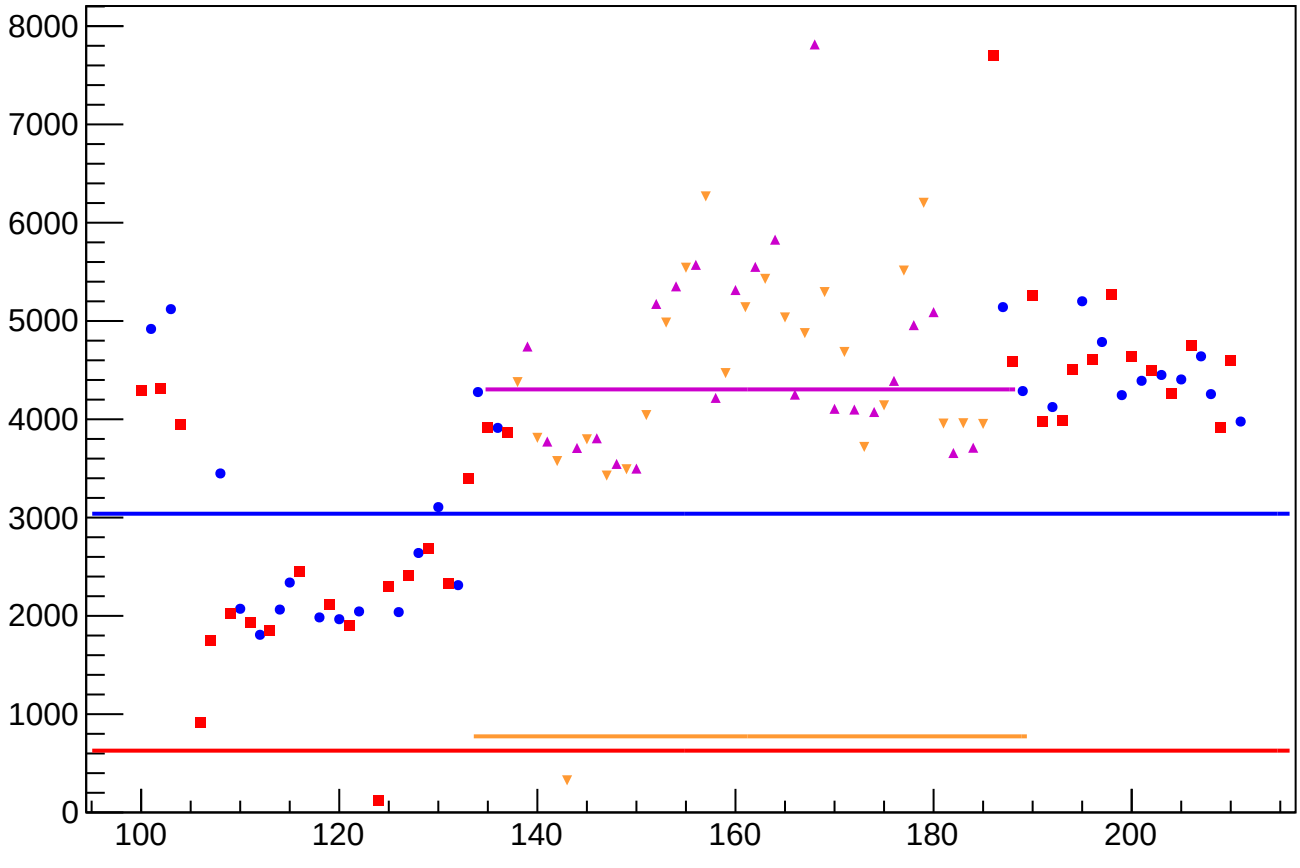
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 24.489+/-293.398 χ^2/NDF: 75.7/60

In: 129.916+/-630.839 χ^2/NDF:42.4/50

Out: 84.870+/-232.193 χ^2/NDF:80.6/57

All: 90.245+/-217.901 χ^2/NDF: 123.0/108



Right In: 3039.288+/-0.566 χ^2/NDF: 4134436.4/27

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 628.787+/-0.223 χ^2/NDF: 27631912.5/32

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

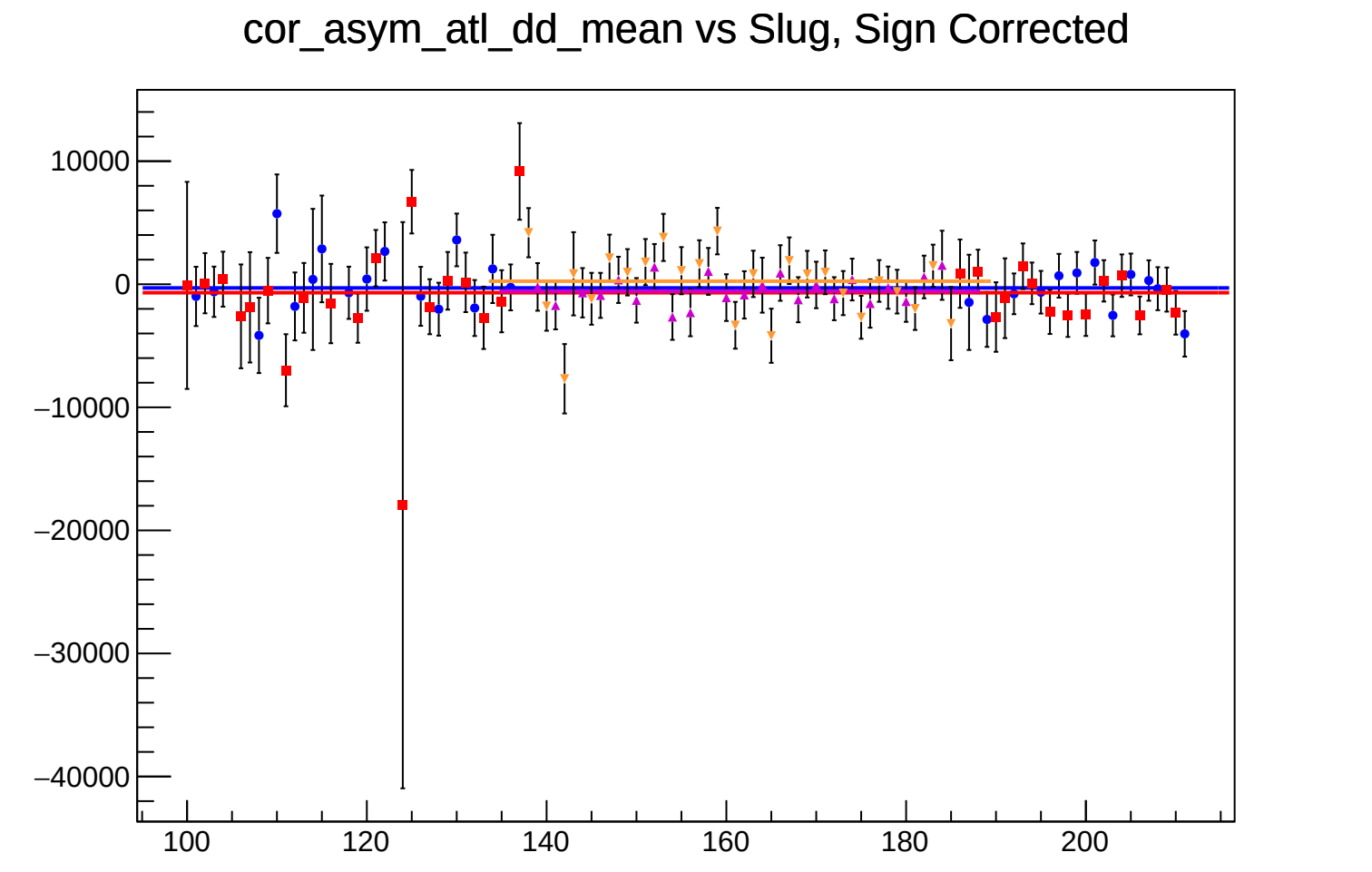
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 952.887+/-0.207 χ^2/NDF: 47476887.6/60

In: 3517.891+/-0.446 χ^2/NDF:7241857.8/50

Out: 695.387+/-0.164 χ^2/NDF:55912295.5/57

All: 1032.146+/-0.154 χ^2/NDF: 98414324.8/1



Right In: -299.153+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -687.123+/-391.703 χ^2/NDF: 33.8/32

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

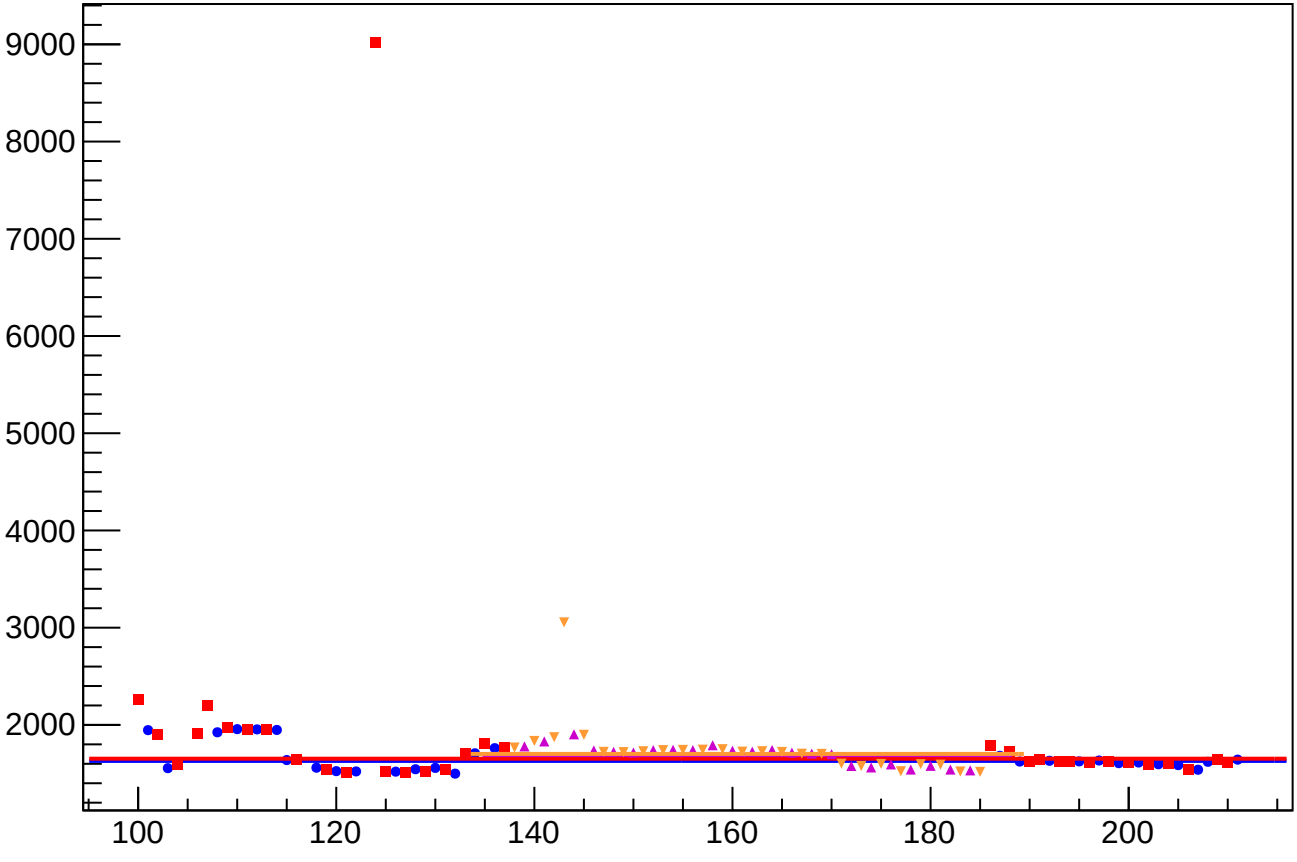
Right: -497.592+/-280.138 χ^2/NDF: 57.0/60

In: -431.421+/-281.377 χ^2/NDF:30.5/50

Out: -216.007+/-275.953 χ^2/NDF:76.3/57

All: -321.618+/-197.018 χ^2/NDF: 107.0/108

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1652.445+/-0.277 χ^2/NDF: 424746.6/32

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

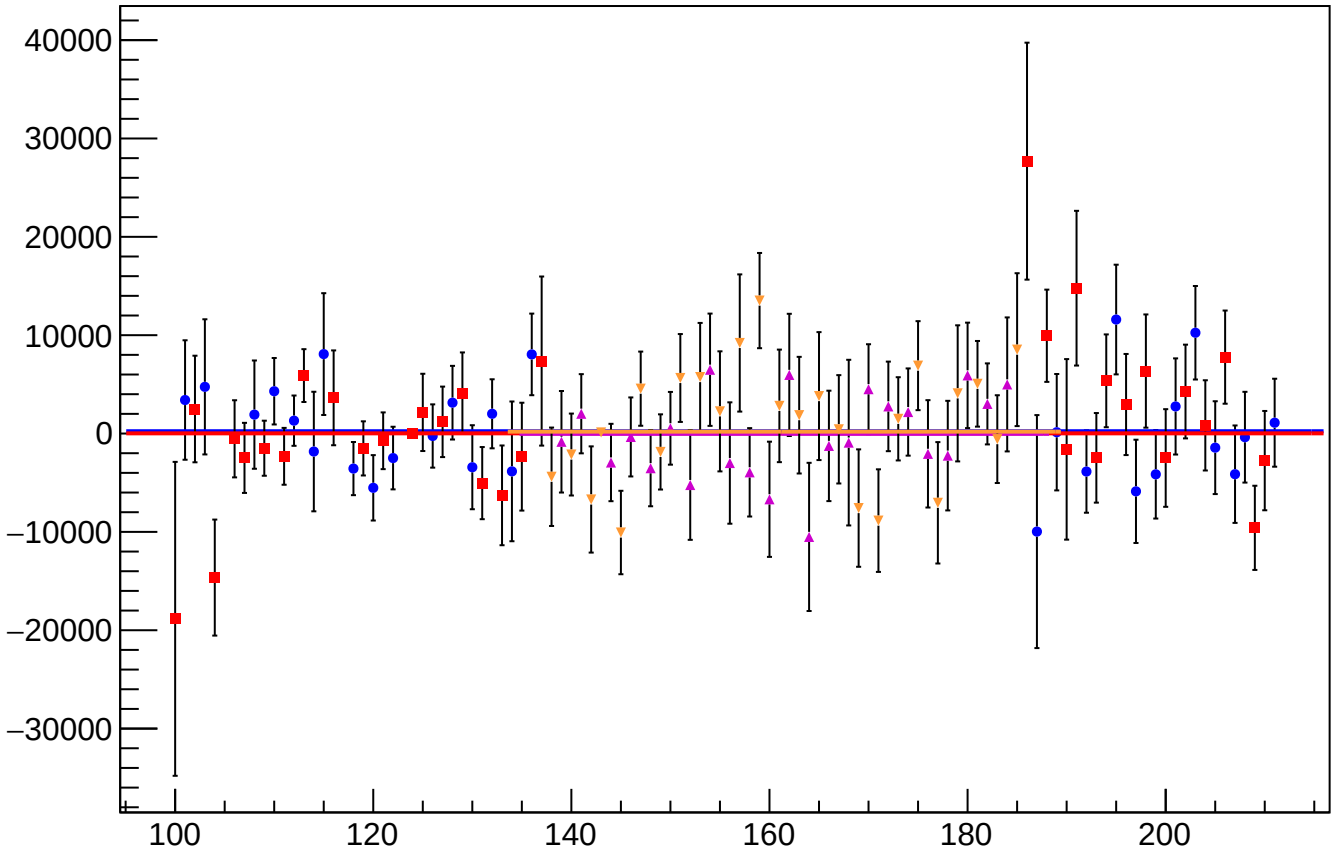
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.401+/-0.198 χ^2/NDF: 585246.8/60

In: 1659.955+/-0.199 χ^2/NDF:301869.3/50

Out: 1677.156+/-0.195 χ^2/NDF:893003.7/57

All: 1668.730+/-0.139 χ^2/NDF: 1198685.5/10



Right In: 235.281+/-800.083 χ^2/NDF: 29.1/27

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 19.349+/-307.993 χ^2/NDF: 46.3/32

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

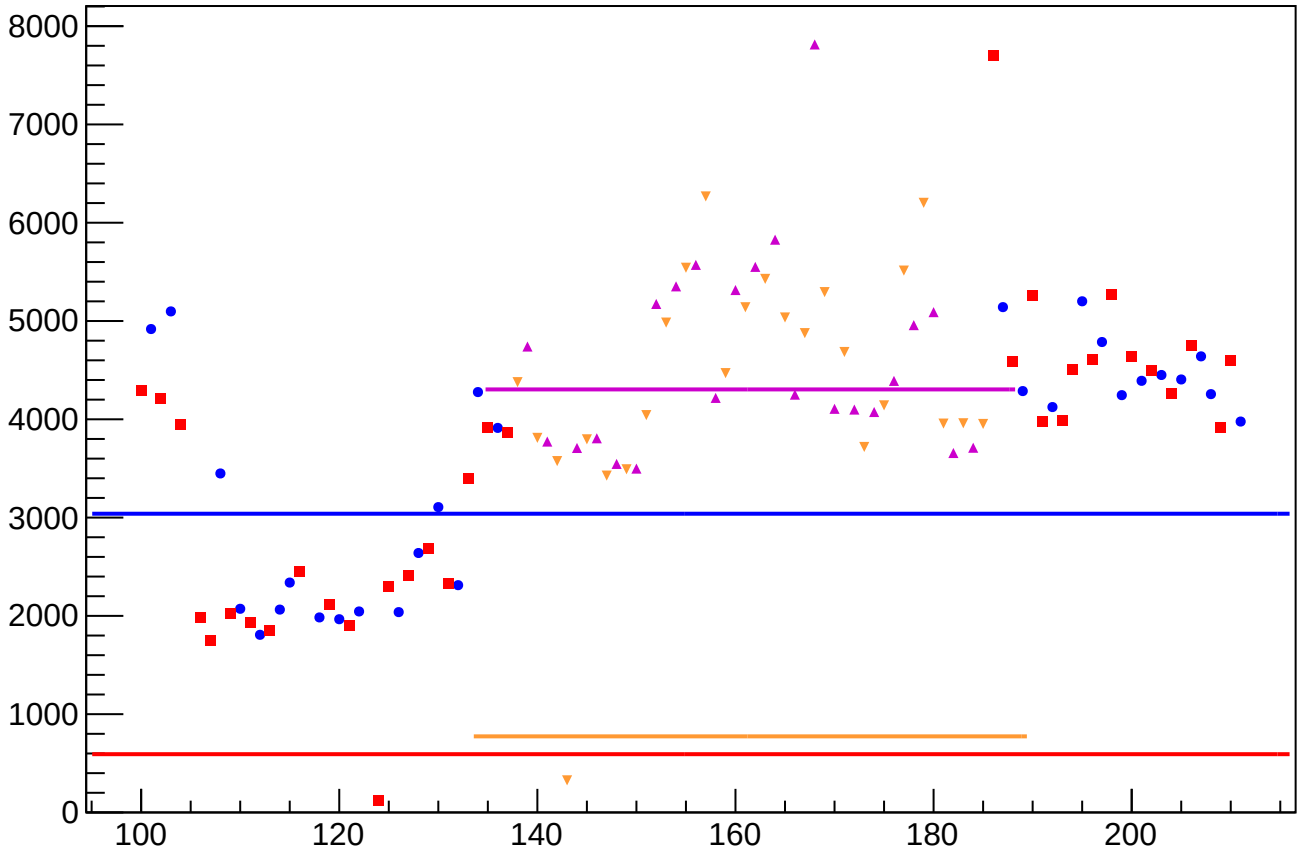
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 47.217+/-287.432 χ^2/NDF: 75.5/60

In: 135.369+/-630.805 χ^2/NDF:42.5/50

Out: 97.245+/-229.196 χ^2/NDF:80.3/57

All: 101.691+/-215.418 χ^2/NDF: 122.8/108



Right In: 3039.299+/-0.566 χ^2/NDF: 4132506.6/27

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 592.870+/-0.218 χ^2/NDF: 28237485.8/32

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

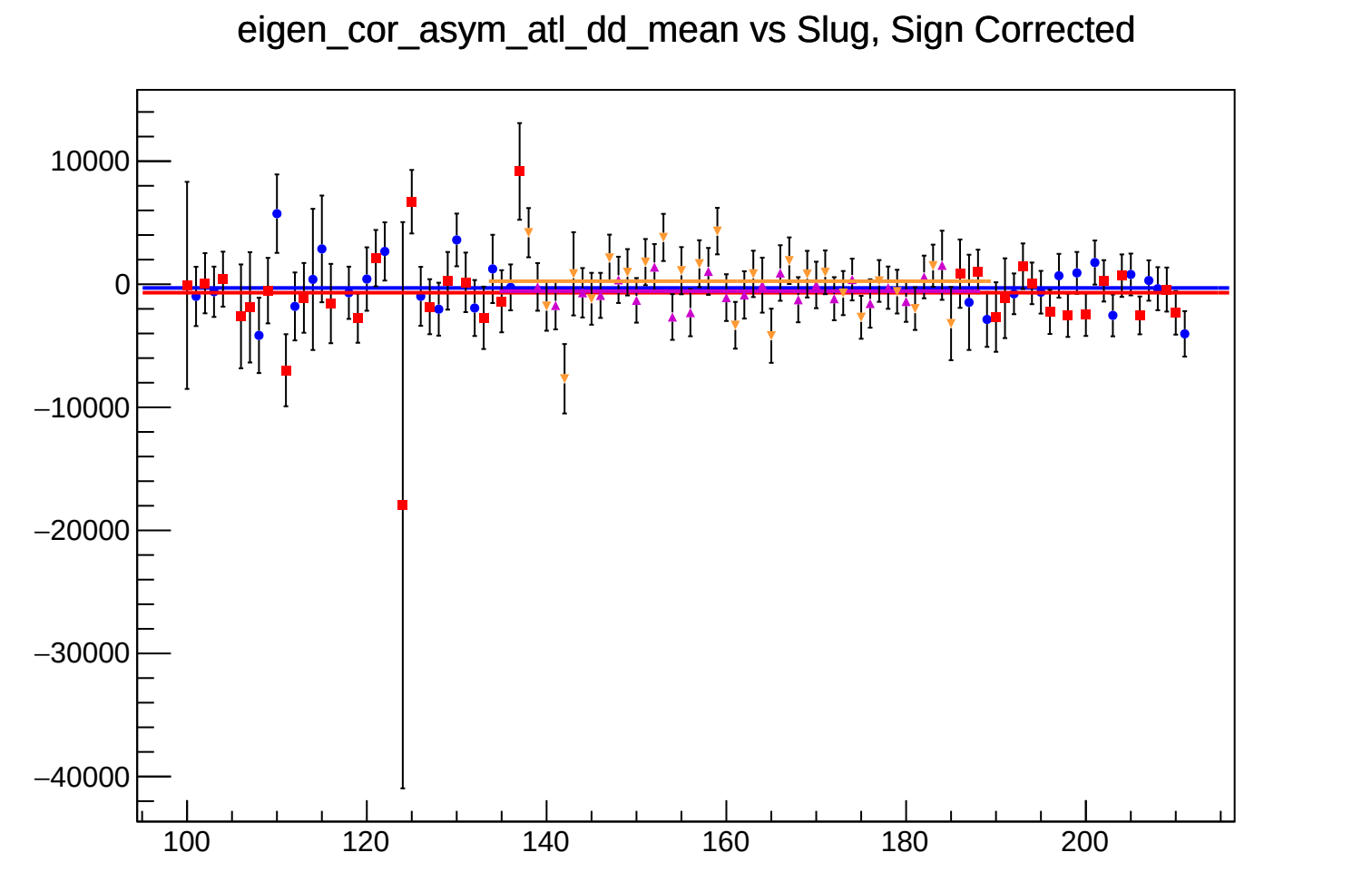
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 908.612+/-0.203 χ^2/NDF: 48655923.0/60

In: 3517.845+/-0.446 χ^2/NDF:7239997.4/50

Out: 673.759+/-0.162 χ^2/NDF:56633091.6/57

All: 1005.435+/-0.152 χ^2/NDF: 99787875.9/1



Right In: -299.153+/-400.803 χ^2/NDF: 22.7/27

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -687.123+/-391.703 χ^2/NDF: 33.8/32

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

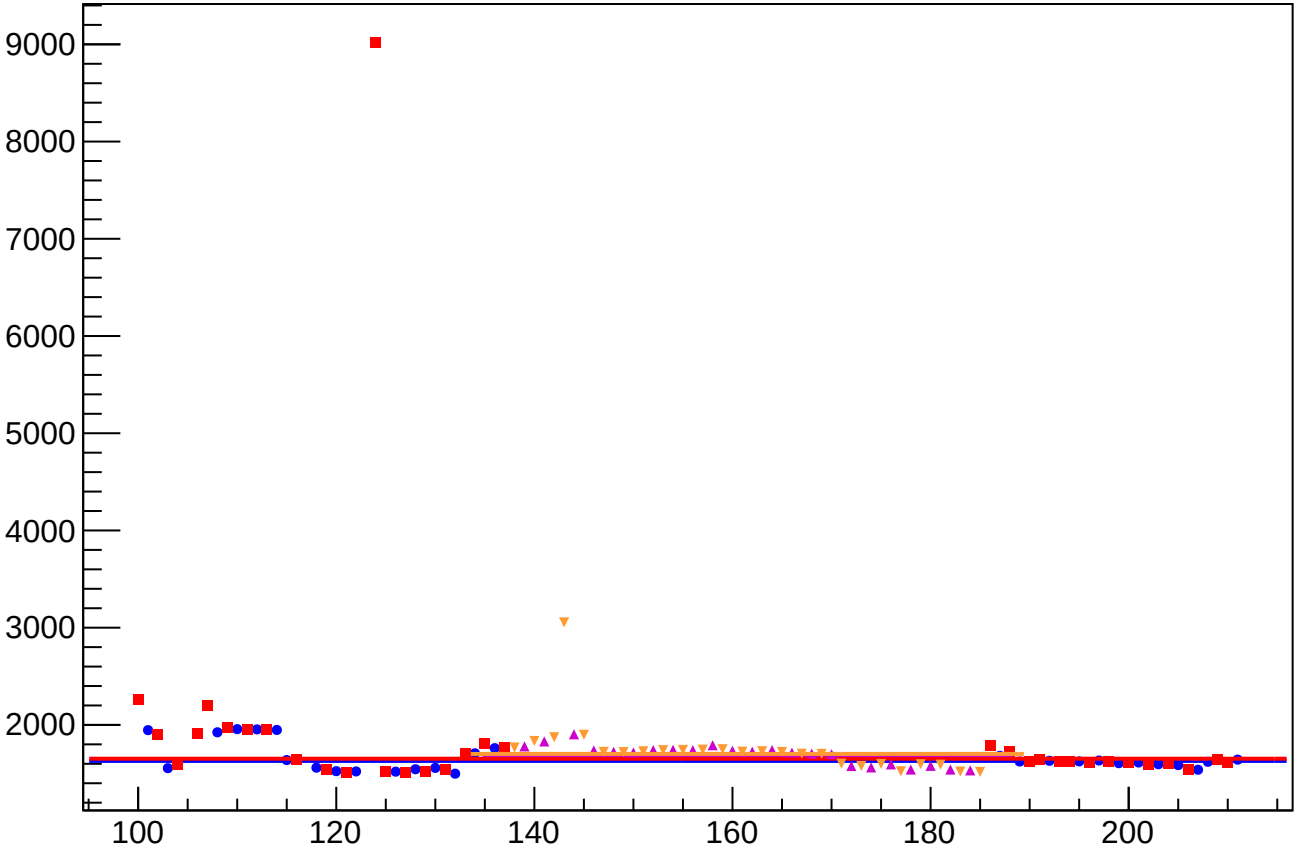
Right: -497.592+/-280.138 χ^2/NDF: 57.0/60

In: -431.421+/-281.377 χ^2/NDF:30.5/50

Out: -216.007+/-275.953 χ^2/NDF:76.3/57

All: -321.618+/-197.018 χ^2/NDF: 107.0/108

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.801+/-0.283 χ^2/NDF: 157230.1/27

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1652.445+/-0.277 χ^2/NDF: 424746.6/32

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

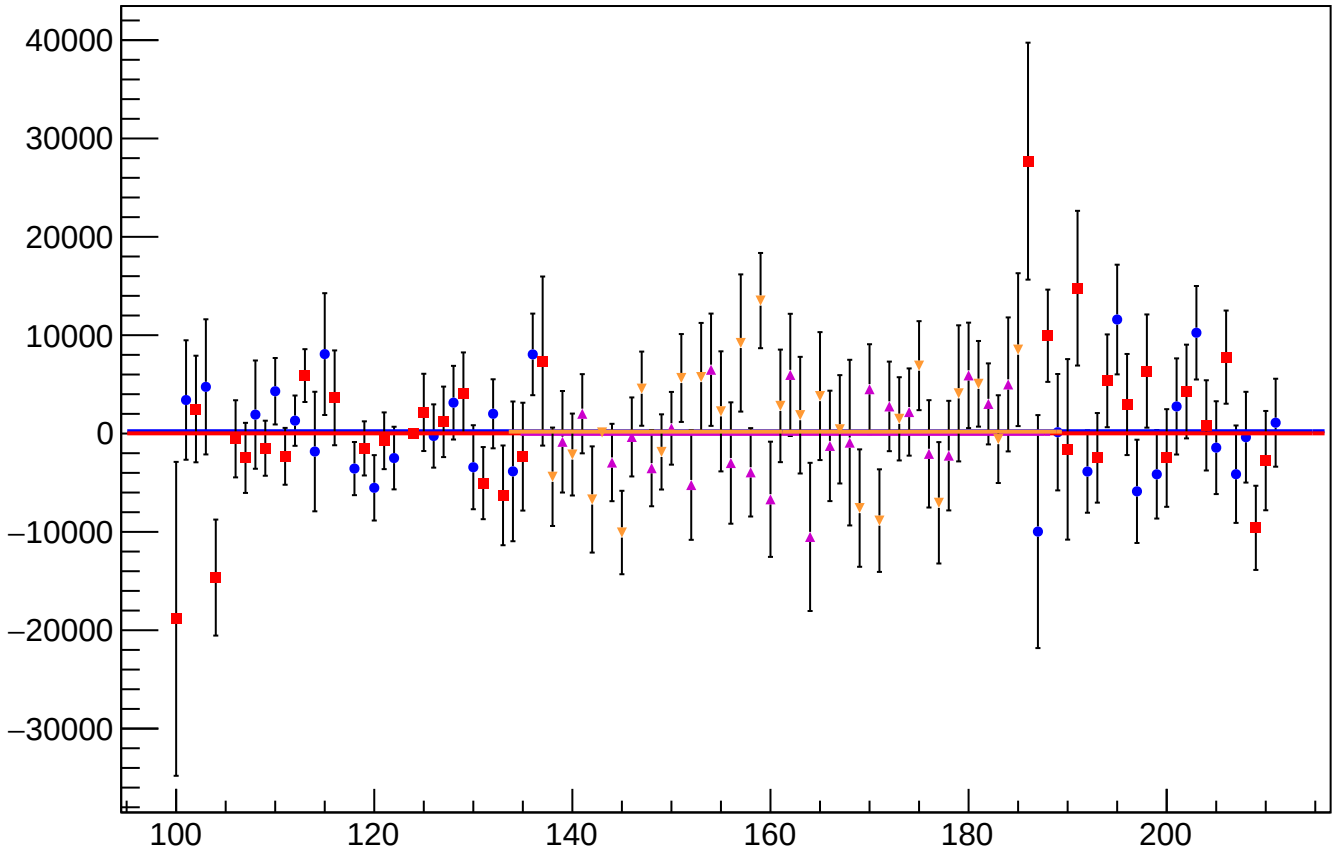
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.401+/-0.198 χ^2/NDF: 585246.8/60

In: 1659.955+/-0.199 χ^2/NDF:301869.3/50

Out: 1677.156+/-0.195 χ^2/NDF:893003.7/57

All: 1668.730+/-0.139 χ^2/NDF: 1198685.5/10



Right In: 235.281+/-800.083 χ^2/NDF: 29.1/27

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 19.349+/-307.993 χ^2/NDF: 46.3/32

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

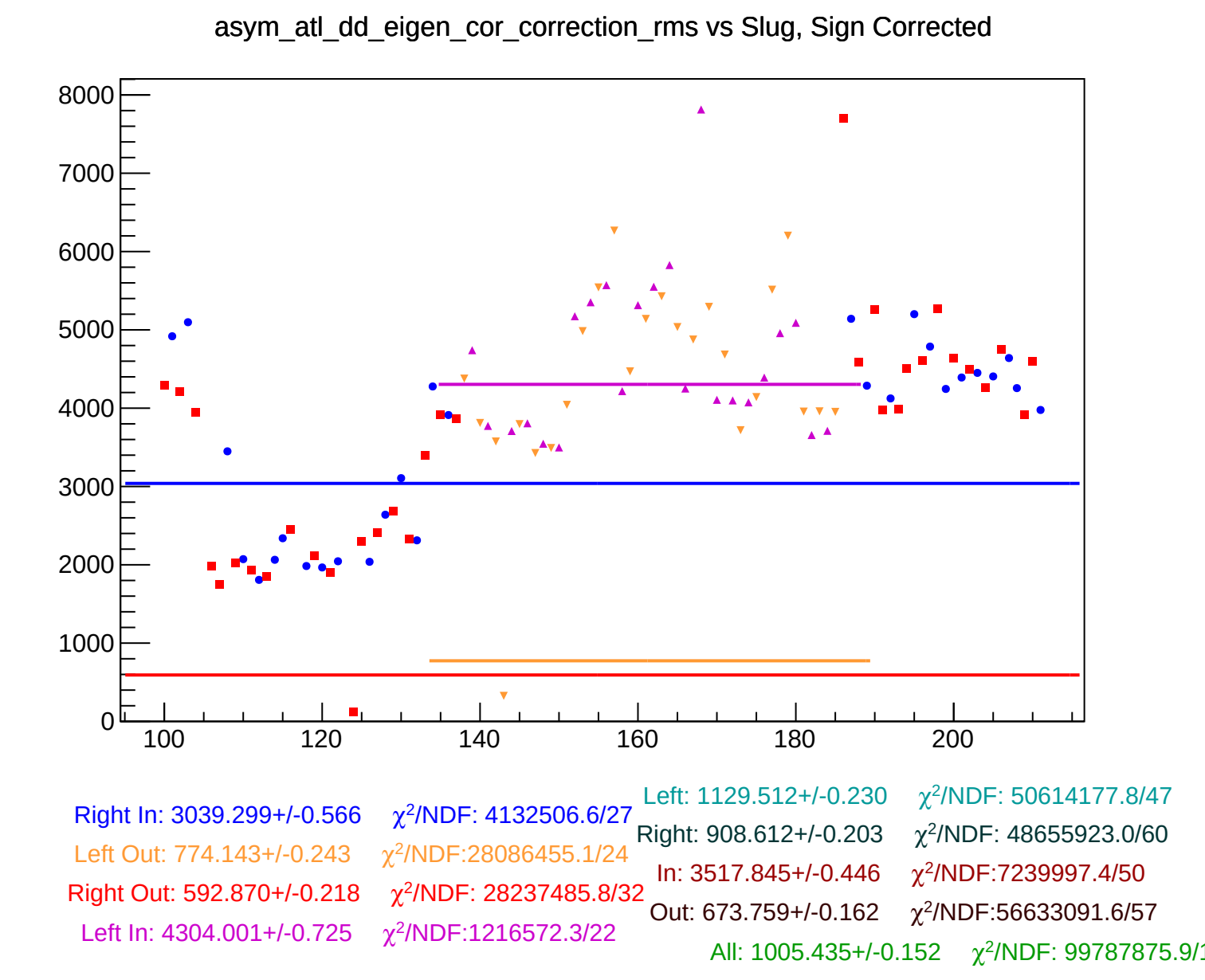
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 47.217+/-287.432 χ^2/NDF: 75.5/60

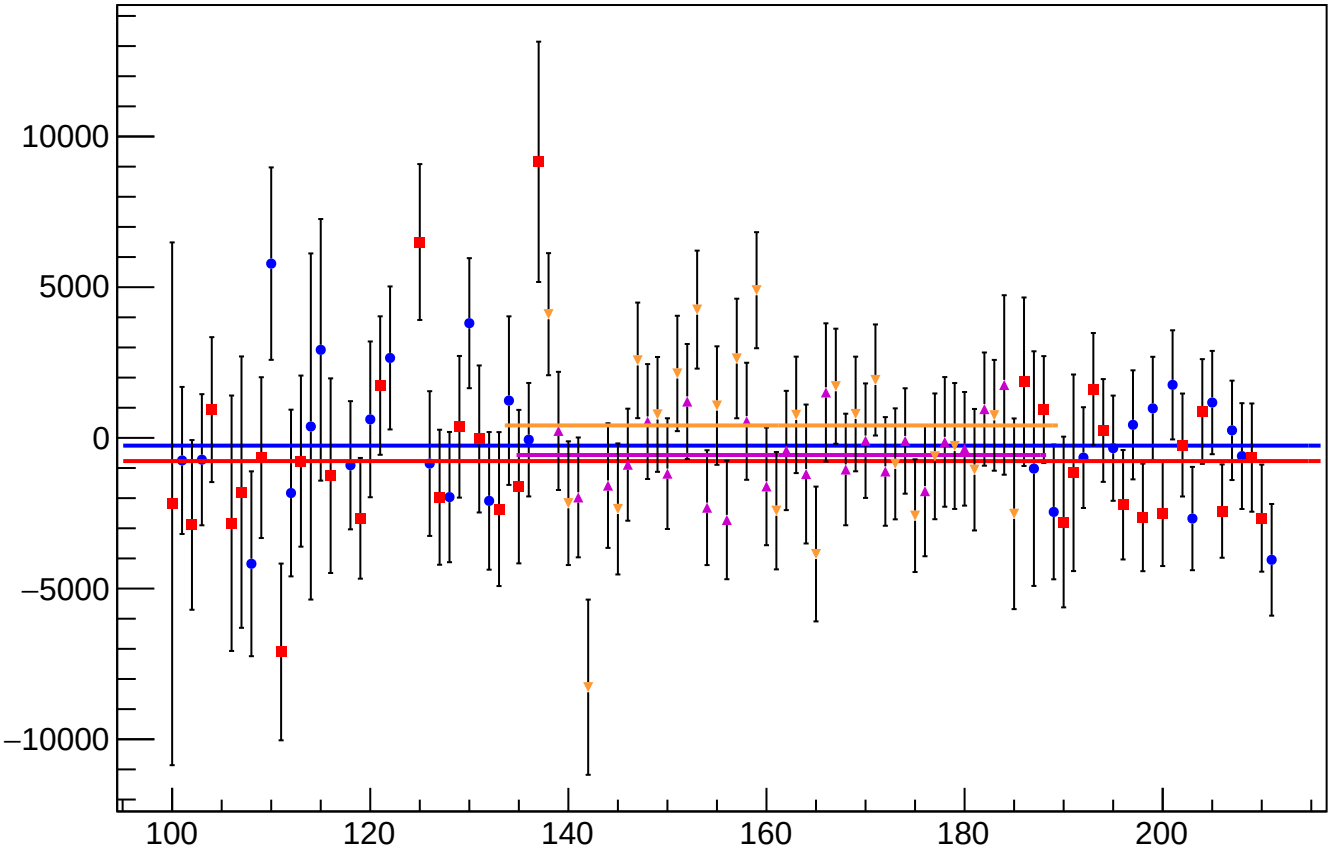
In: 135.369+/-630.805 χ^2/NDF:42.5/50

Out: 97.245+/-229.196 χ^2/NDF:80.3/57

All: 101.691+/-215.418 χ^2/NDF: 122.8/108


asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 3039.299+/-0.566 χ²/NDF: 4132506.6/27
Left Out: 774.143+/-0.243 χ²/NDF:28086455.1/24
Right Out: 592.870+/-0.218 χ²/NDF: 28237485.8/32
Left In: 4304.001+/-0.725 χ²/NDF:1216572.3/22
Left: 1129.512+/-0.230 χ²/NDF: 50614177.8/47
Right: 908.612+/-0.203 χ²/NDF: 48655923.0/60
In: 3517.845+/-0.446 χ²/NDF:7239997.4/50
Out: 673.759+/-0.162 χ²/NDF:56633091.6/57
All: 1005.435+/-0.152 χ²/NDF: 99787875.9/1

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -257.146+/-404.255 χ^2/NDF: 23.0/27

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -769.444+/-396.350 χ^2/NDF: 33.7/31

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

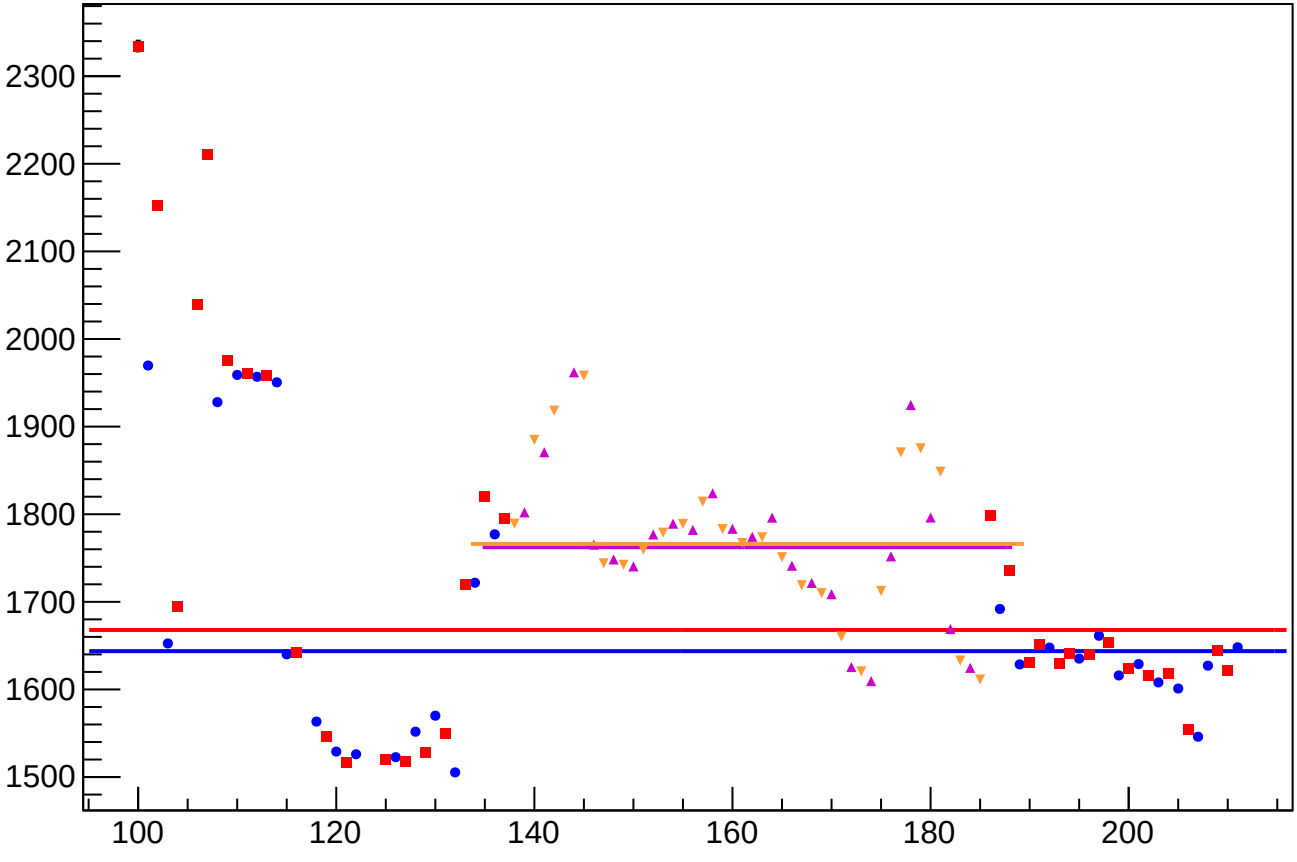
Right: -518.352+/-283.015 χ^2/NDF: 57.6/59

In: -410.007+/-288.568 χ^2/NDF:31.1/50

Out: -198.854+/-285.145 χ^2/NDF:78.0/55

All: -303.171+/-202.828 χ^2/NDF: 109.4/106

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.727+/-0.286 χ^2/NDF: 156086.9/27

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1667.909+/-0.280 χ^2/NDF: 266533.0/31

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

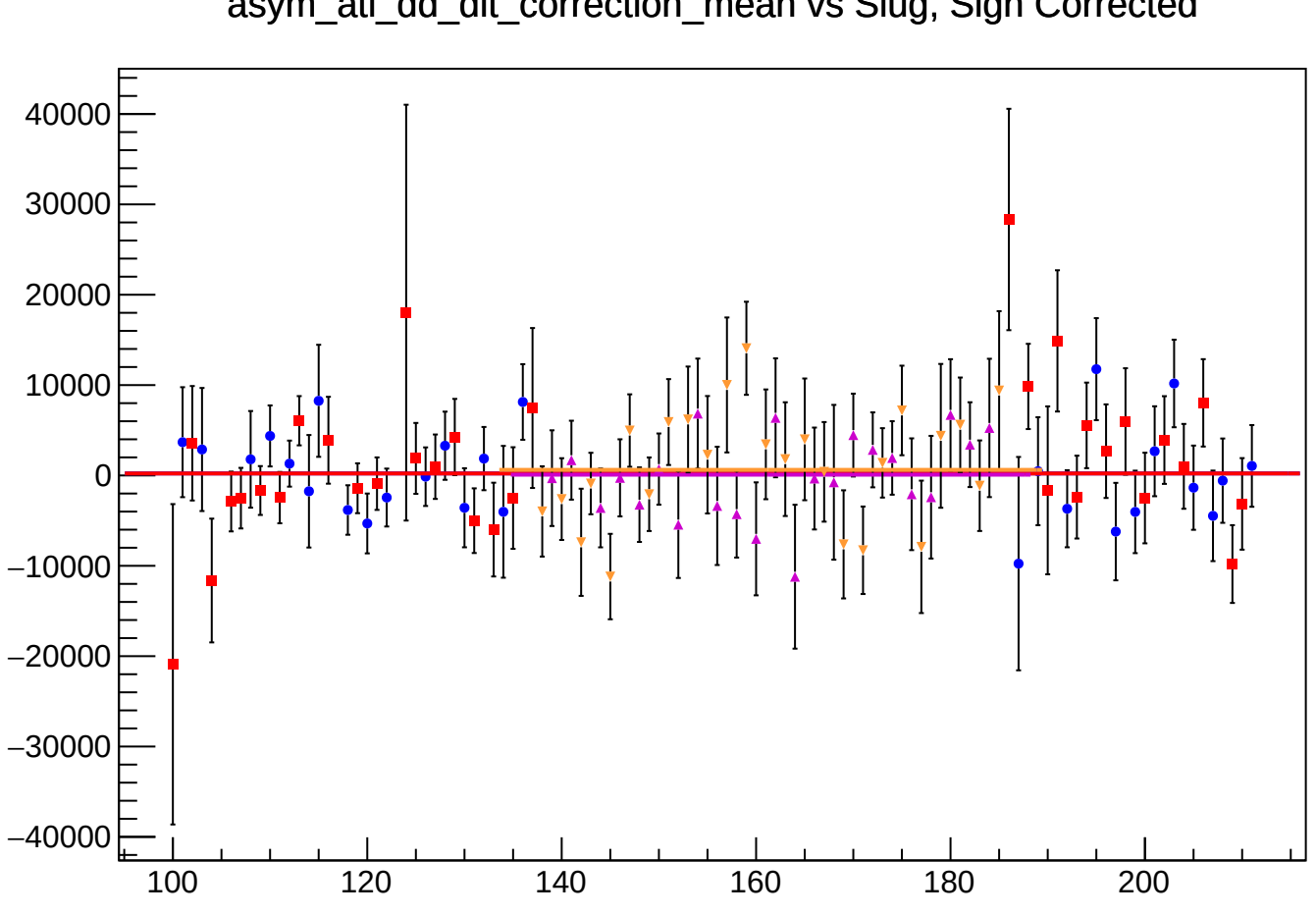
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1656.068+/-0.200 χ^2/NDF: 426271.9/59

In: 1701.933+/-0.204 χ^2/NDF:320715.8/50

Out: 1715.243+/-0.202 χ^2/NDF:409070.2/55

All: 1708.670+/-0.143 χ^2/NDF: 731939.9/106



Right In: 225.235+/-805.244 χ^2/NDF: 28.8/27

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 217.243+/-749.336 χ^2/NDF: 44.6/32

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

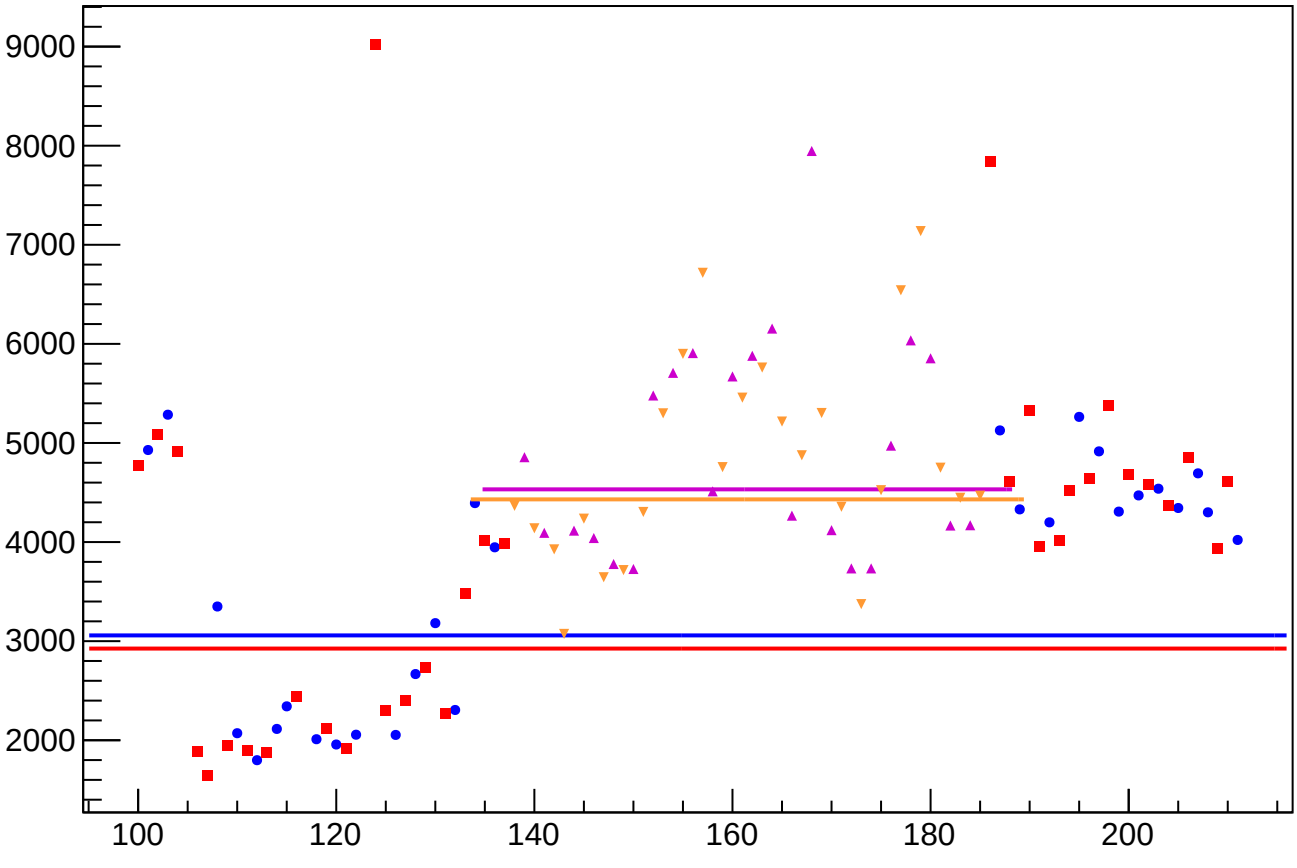
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 220.952+/-548.562 χ^2/NDF: 73.4/60

In: 175.462+/-646.091 χ^2/NDF:41.7/50

Out: 355.696+/-606.891 χ^2/NDF:77.8/57

All: 271.212+/-442.346 χ^2/NDF: 119.6/108



Right In: 3058.033+/-0.569 χ^2/NDF: 4249091.1/27

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2925.237+/-0.530 χ^2/NDF: 5566284.1/32

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

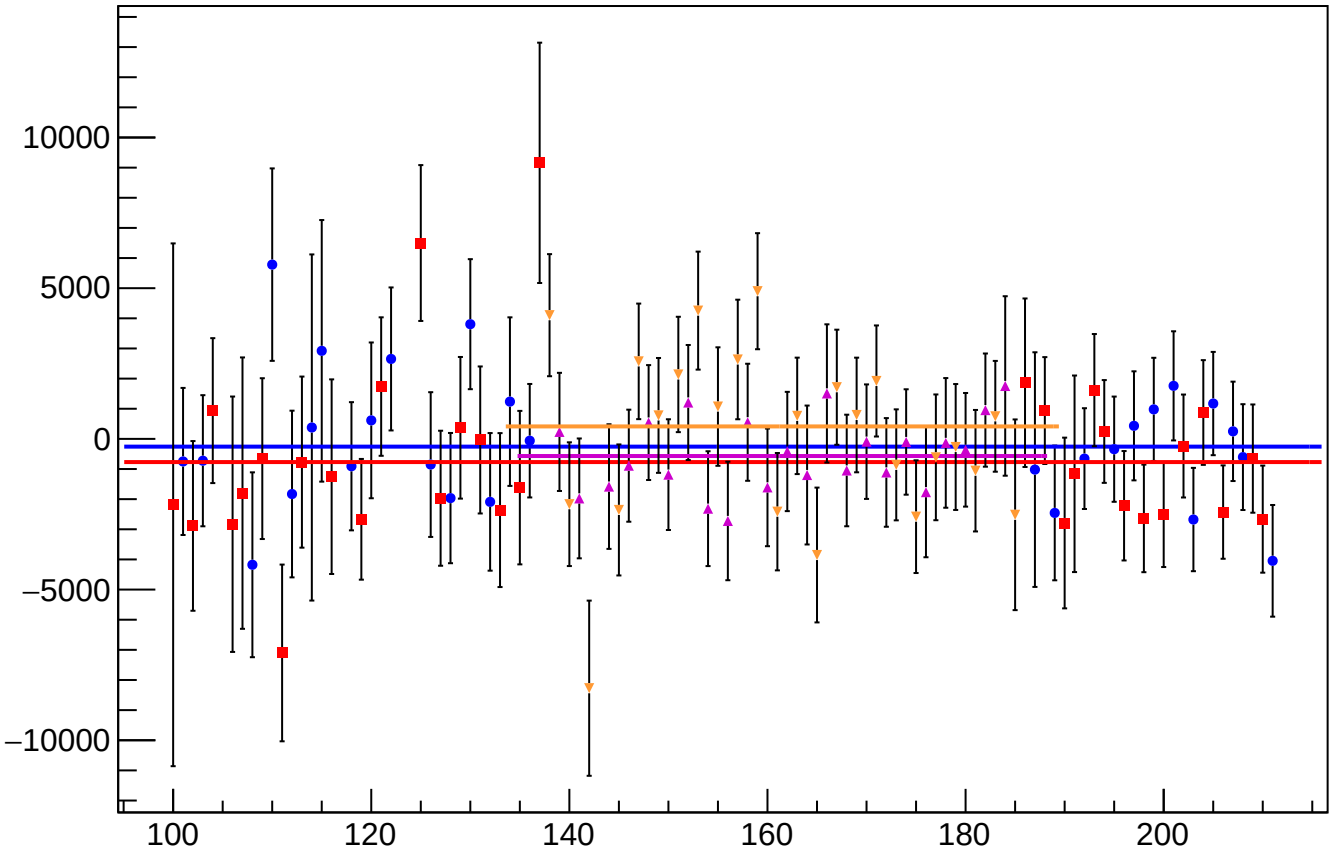
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2986.865+/-0.388 χ^2/NDF: 9844525.8/60

In: 3583.079+/-0.457 χ^2/NDF:8012513.0/50

Out: 3443.232+/-0.429 χ^2/NDF:9957350.8/57

All: 3508.784+/-0.313 χ^2/NDF: 18019643.6/1



Right In: -257.148+/-404.255 χ^2/NDF: 23.0/27

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -769.441+/-396.350 χ^2/NDF: 33.7/31

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

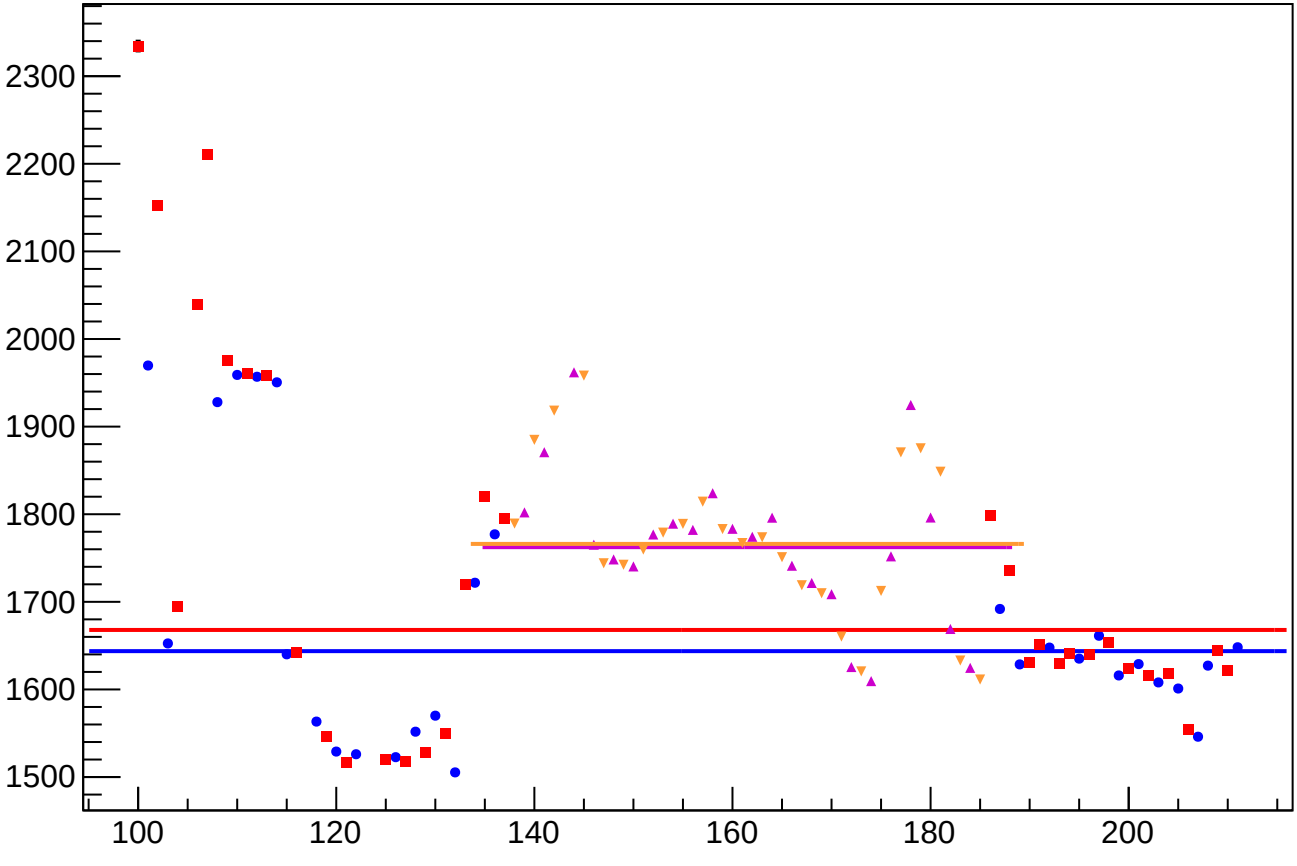
Right: -518.352+/-283.015 χ^2/NDF: 57.6/59

In: -410.008+/-288.569 χ^2/NDF:31.1/50

Out: -198.852+/-285.145 χ^2/NDF:78.0/55

All: -303.170+/-202.828 χ^2/NDF: 109.4/106

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.728+/-0.286 χ^2/NDF: 156086.8/27

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1667.909+/-0.280 χ^2/NDF: 266531.7/31

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

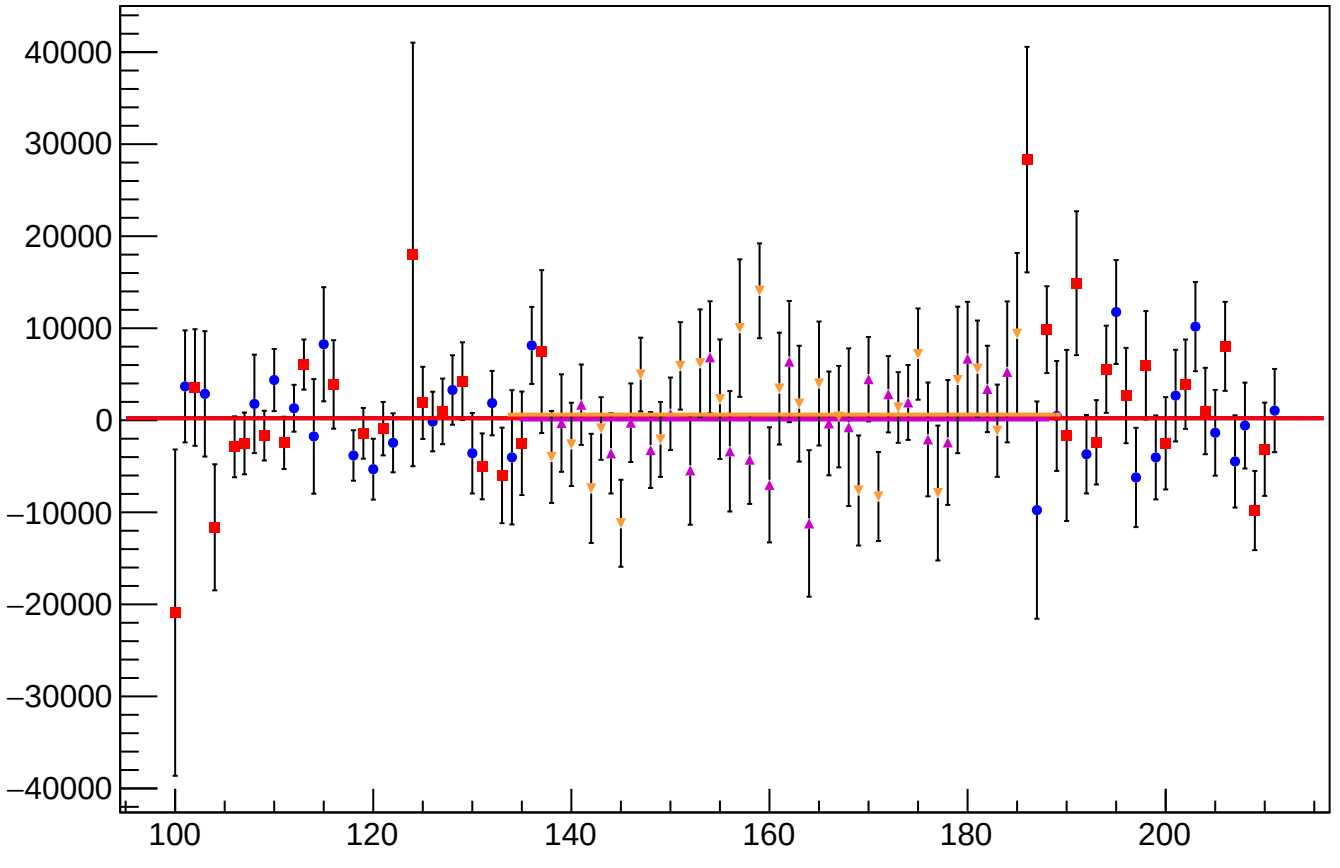
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1656.068+/-0.200 χ^2/NDF: 426270.5/59

In: 1701.933+/-0.204 χ^2/NDF:320719.6/50

Out: 1715.244+/-0.202 χ^2/NDF:409072.9/55

All: 1708.671+/-0.143 χ^2/NDF: 731946.4/106



Right In: 225.230+/-805.242 χ^2/NDF: 28.8/27

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 217.238+/-749.335 χ^2/NDF: 44.6/32

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

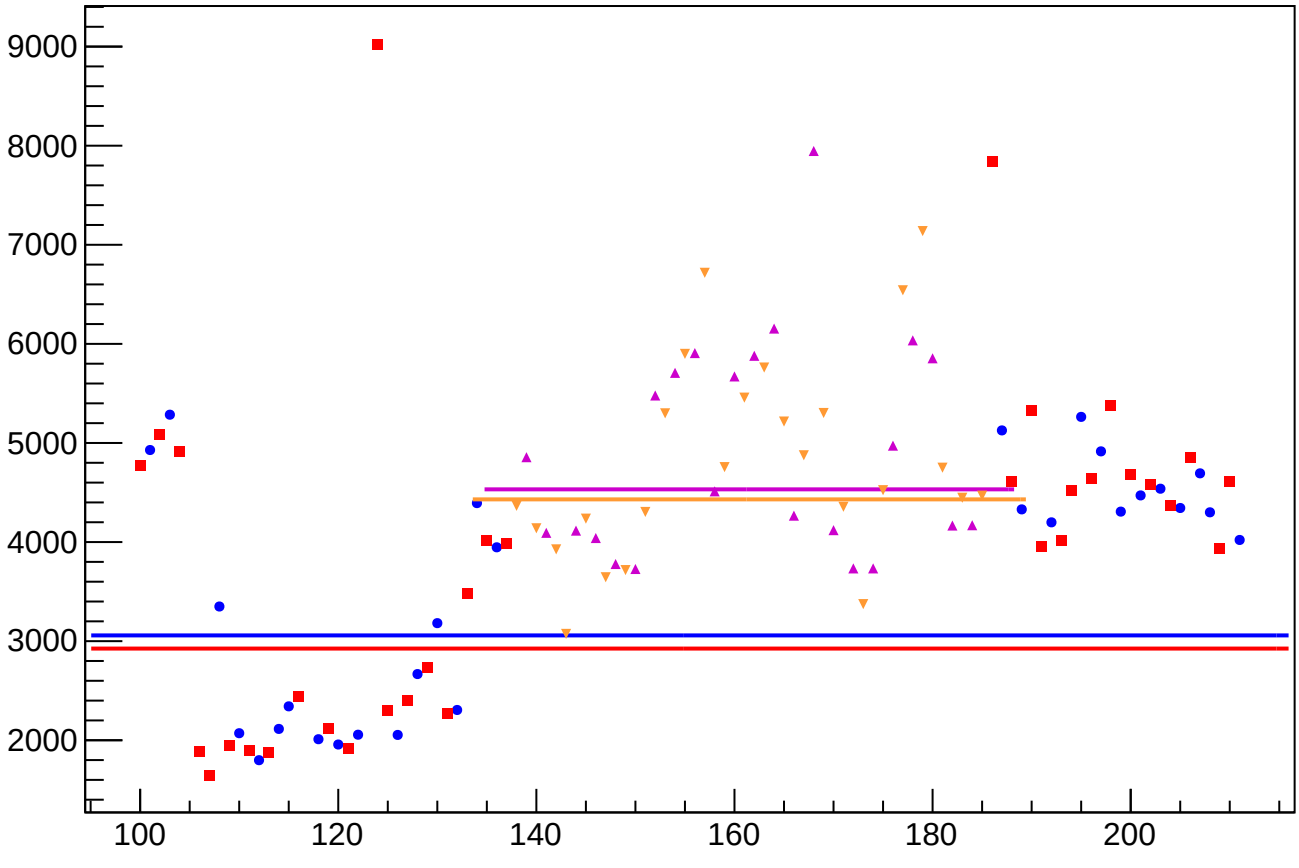
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 220.947+/-548.560 χ^2/NDF: 73.4/60

In: 175.459+/-646.091 χ^2/NDF:41.7/50

Out: 355.693+/-606.890 χ^2/NDF:77.8/57

All: 271.209+/-442.346 χ^2/NDF: 119.6/108



Right In: 3058.024+/-0.569 χ^2/NDF: 4249158.3/27

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2925.228+/-0.530 χ^2/NDF: 5566343.2/32

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

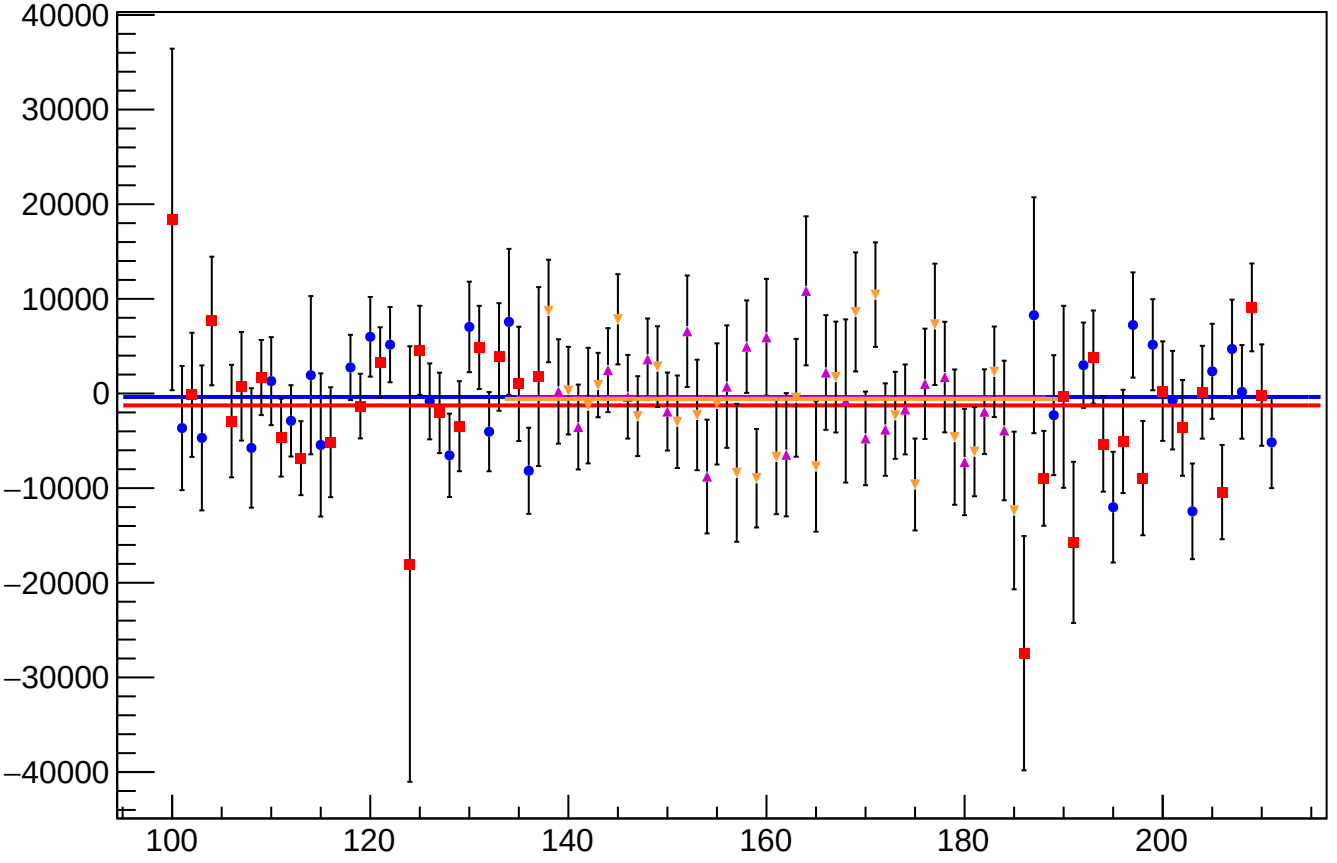
Right: 2986.856+/-0.388 χ^2/NDF: 9844651.8/60

In: 3583.073+/-0.457 χ^2/NDF:8012634.0/50

Out: 3443.226+/-0.429 χ^2/NDF:9957468.0/57

All: 3508.778+/-0.313 χ^2/NDF: 18019881.8/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -369.208+/-945.389 χ^2/NDF: 32.8/27

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1256.952+/-911.937 χ^2/NDF: 36.0/32

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

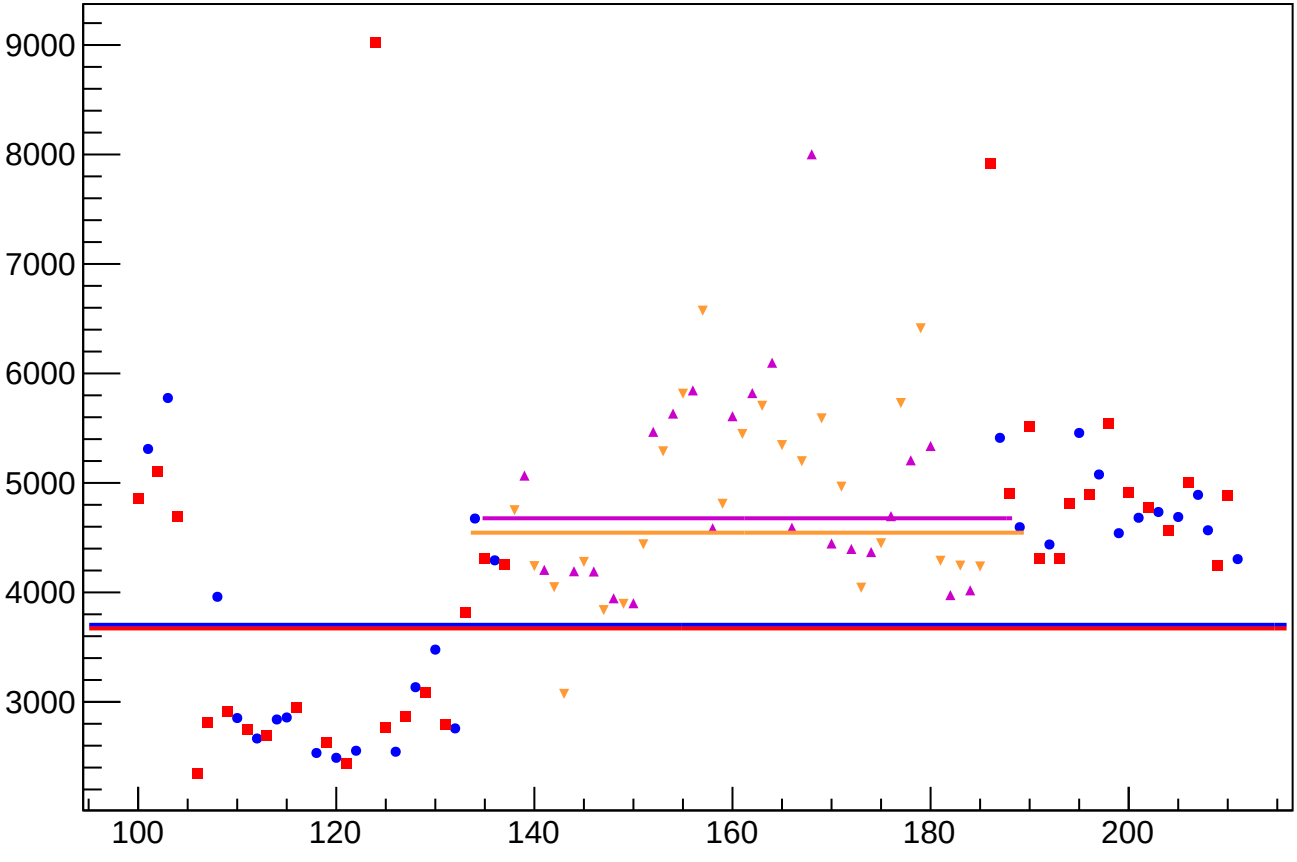
Right: -829.063+/-656.344 χ^2/NDF: 69.3/60

In: -381.489+/-719.585 χ^2/NDF:46.8/50

Out: -964.461+/-689.870 χ^2/NDF:65.1/57

All: -685.260+/-497.985 χ^2/NDF: 112.2/108

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3703.880+/-0.668 χ^2/NDF: 2390373.8/27

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3670.764+/-0.639 χ^2/NDF: 2919838.3/32

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

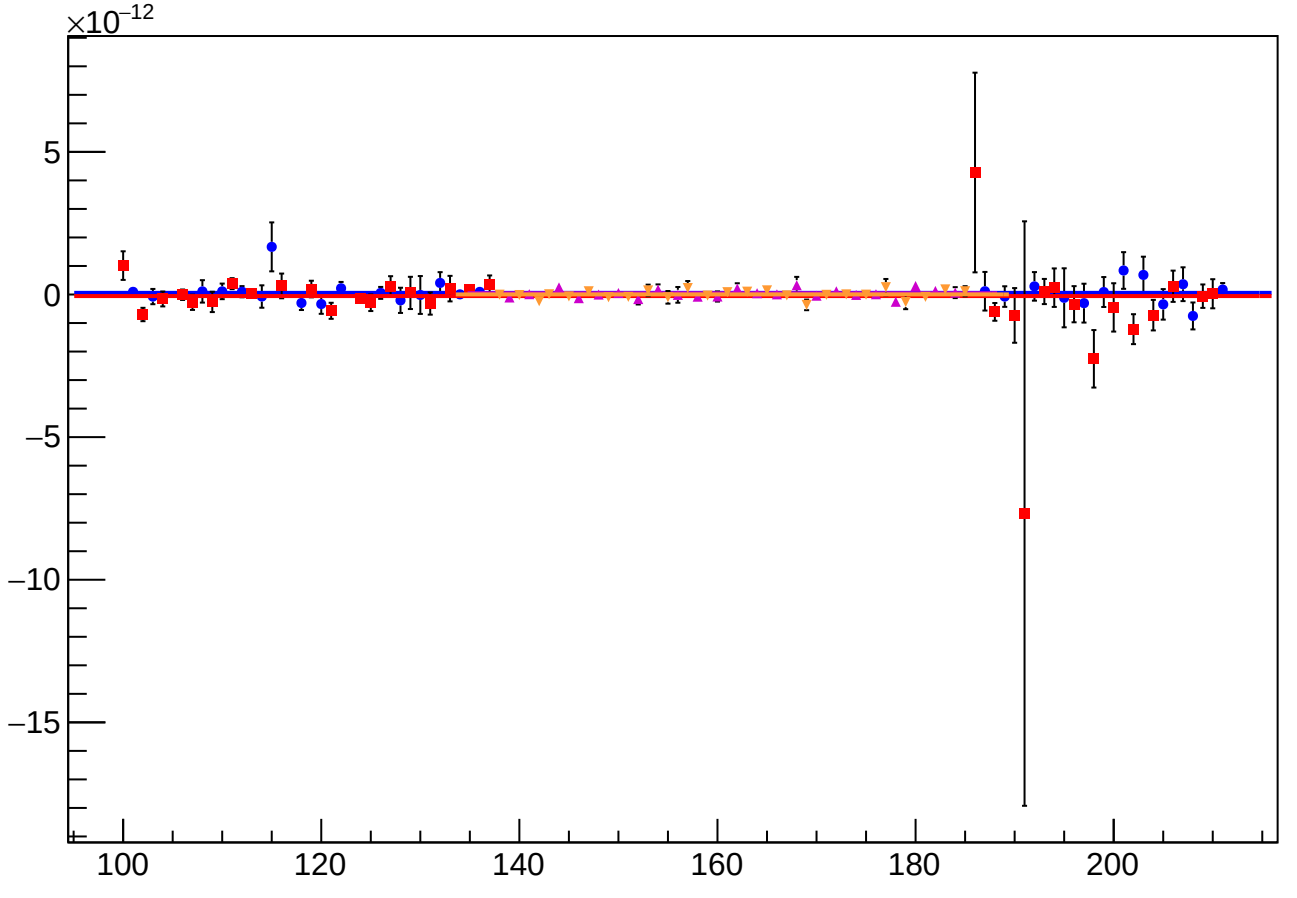
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3686.585+/-0.462 χ^2/NDF: 5311493.8/60

In: 4113.240+/-0.509 χ^2/NDF:4241722.8/50

Out: 4041.257+/-0.485 χ^2/NDF:4971172.5/57

All: 4075.556+/-0.351 χ^2/NDF: 9223372.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/32

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

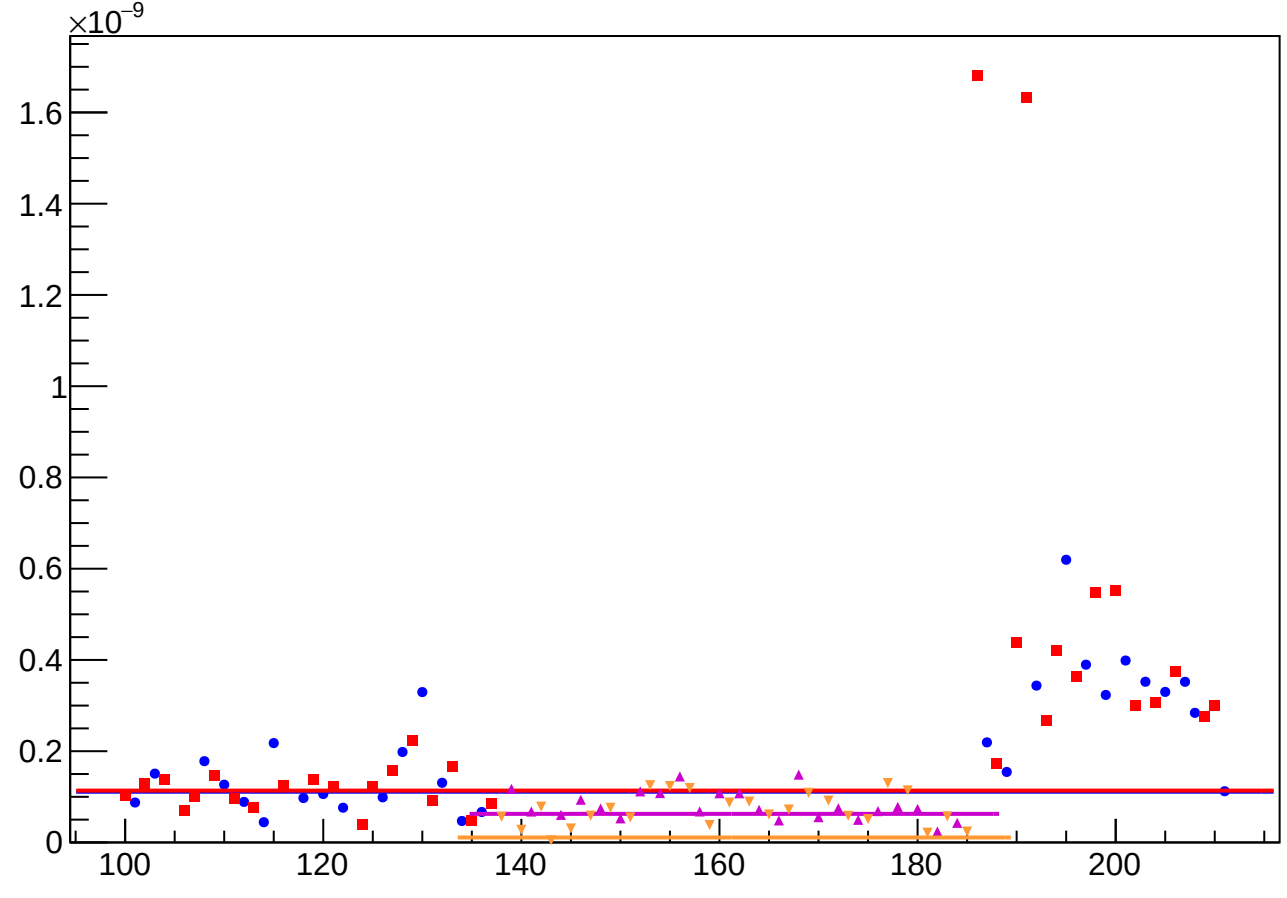
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 67.5/60

In: 0.000+/-0.000 χ^2/NDF:37.1/50

Out: 0.000+/-0.000 χ^2/NDF:68.1/57

All: 0.000+/-0.000 χ^2/NDF: 108.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 4523104.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5595604.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

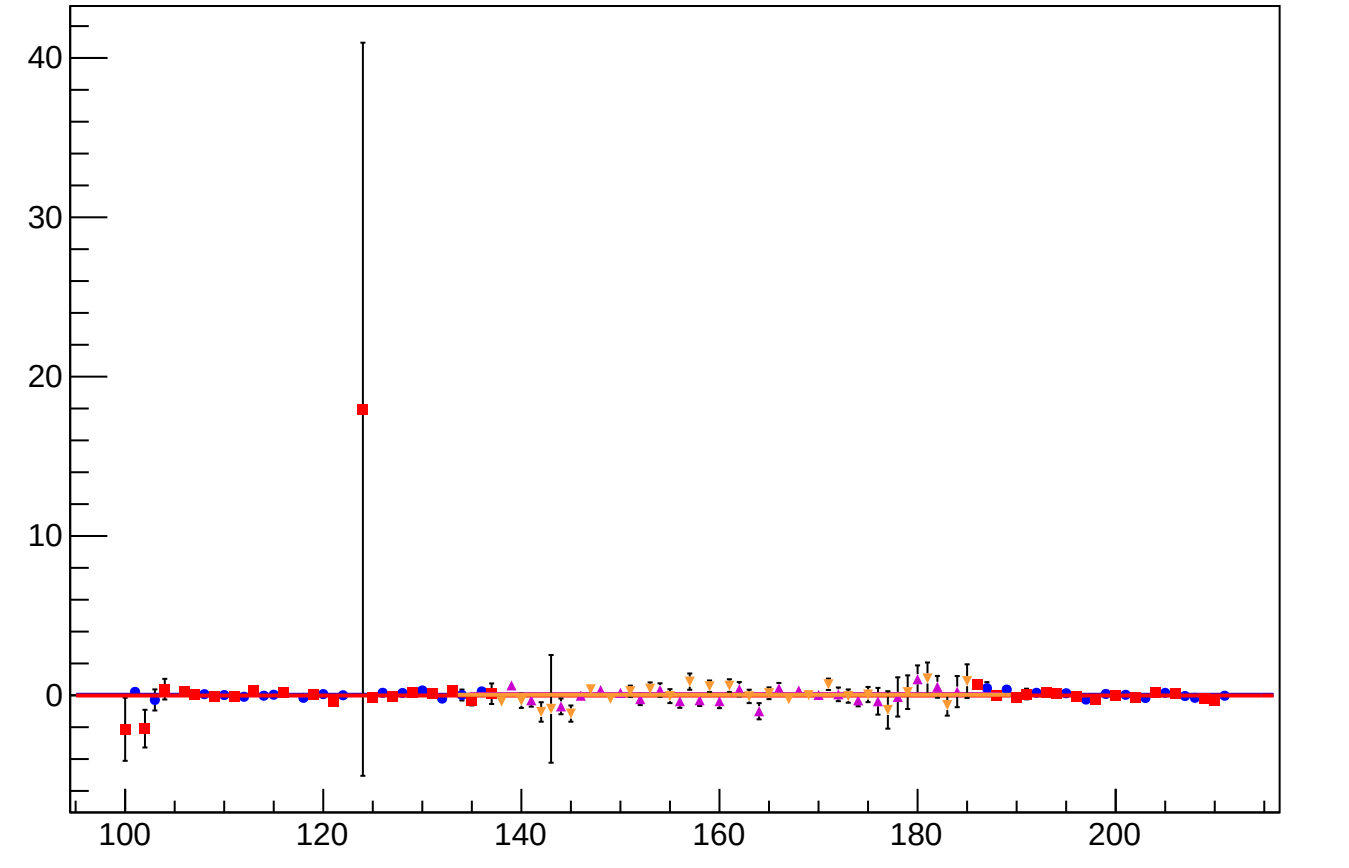
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10120916.0/60

In: 0.000+/-0.000 χ^2/NDF:8006249.7/50

Out: 0.000+/-0.000 χ^2/NDF:22828164.9/57

All: 0.000+/-0.000 χ^2/NDF: 42220326.8/108



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.031 χ^2/NDF: 41.6/32

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

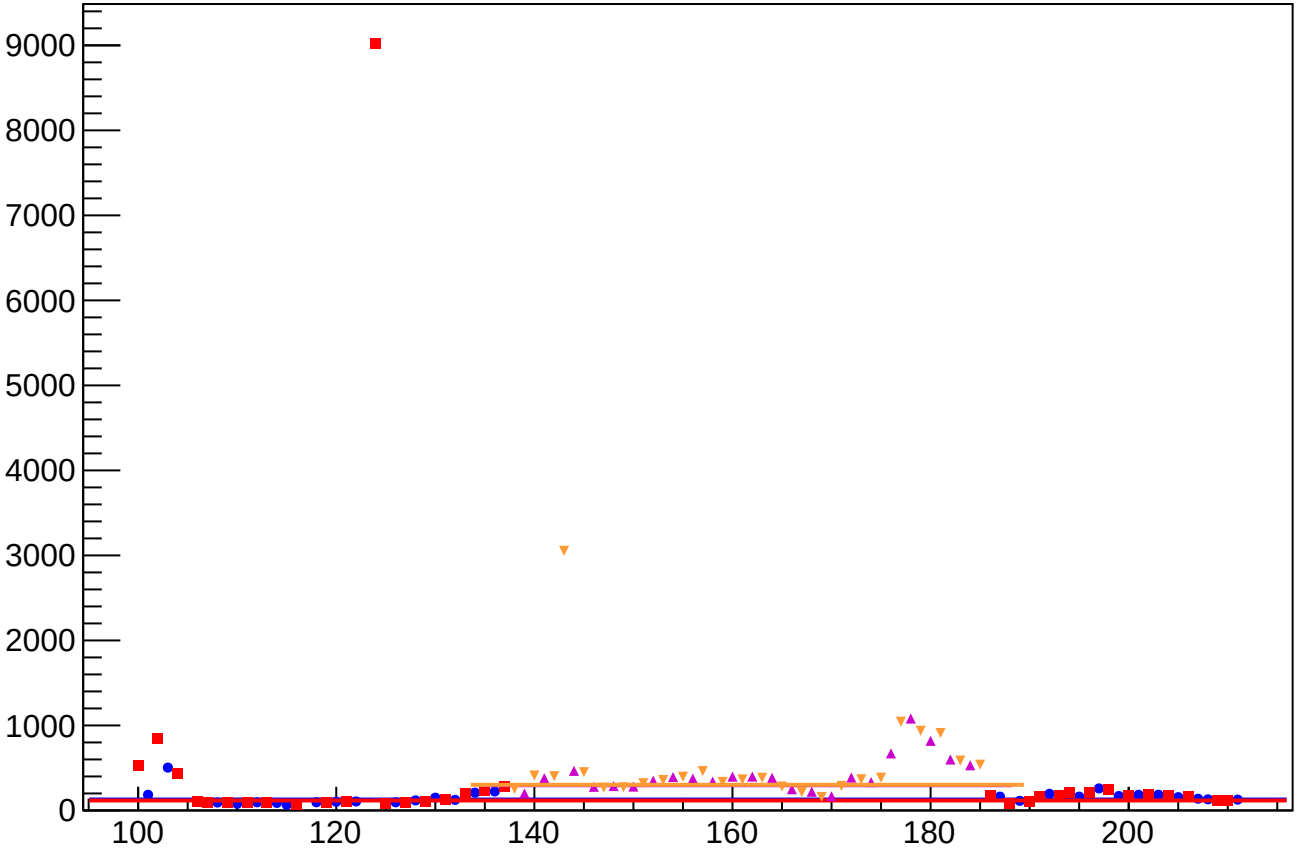
Right: 0.009+/-0.023 χ^2/NDF: 62.3/60

In: 0.042+/-0.031 χ^2/NDF:44.1/50

Out: -0.005+/-0.029 χ^2/NDF:71.6/57

All: 0.016+/-0.021 χ^2/NDF: 116.9/108

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.630+/-0.024 χ^2/NDF: 3446997.4/27

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.665+/-0.022 χ^2/NDF: 5413587.8/32

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

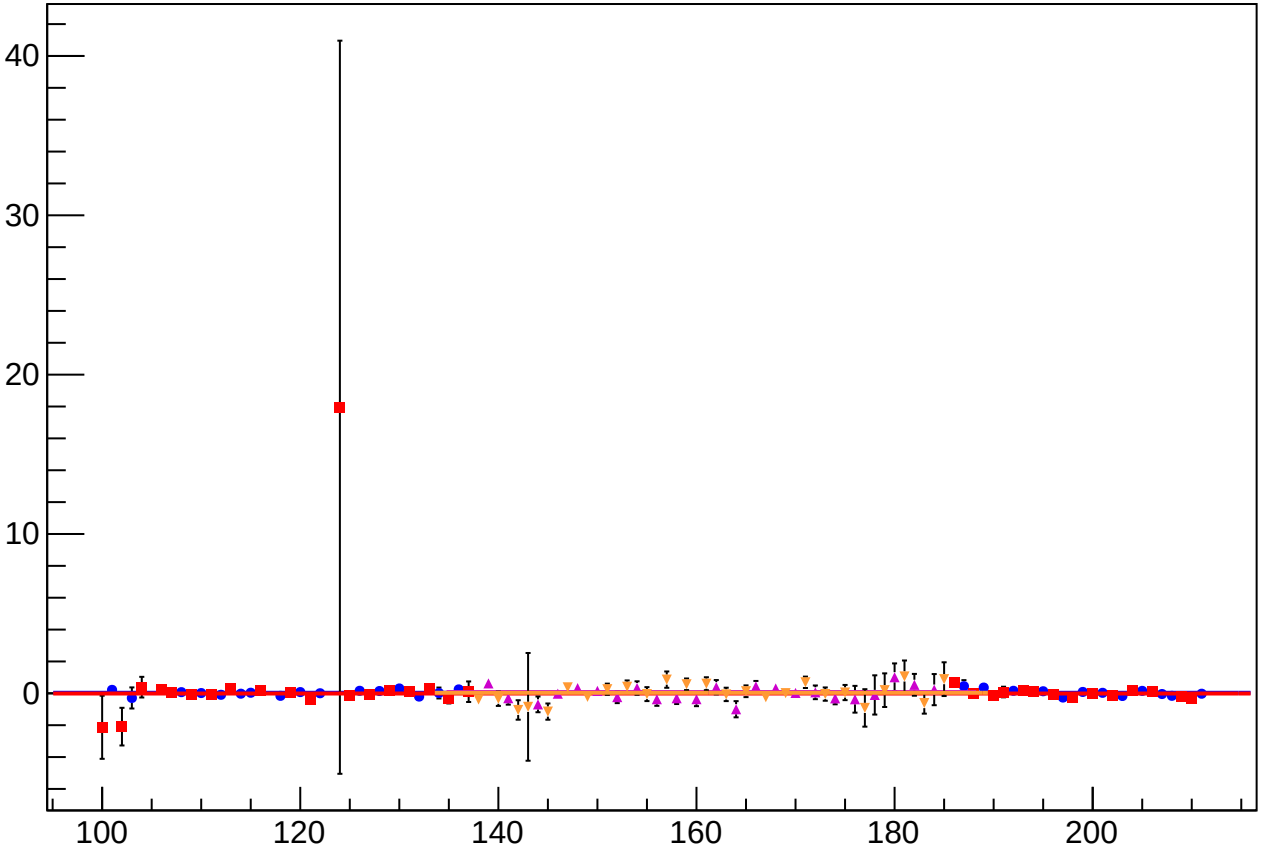
Right: 122.630+/-0.016 χ^2/NDF: 8972644.5/60

In: 157.217+/-0.022 χ^2/NDF:16557246.6/50

Out: 143.621+/-0.020 χ^2/NDF:21941813.1/57

All: 149.893+/-0.015 χ^2/NDF: 38703382.7/10

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.031 χ^2/NDF: 41.6/32

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

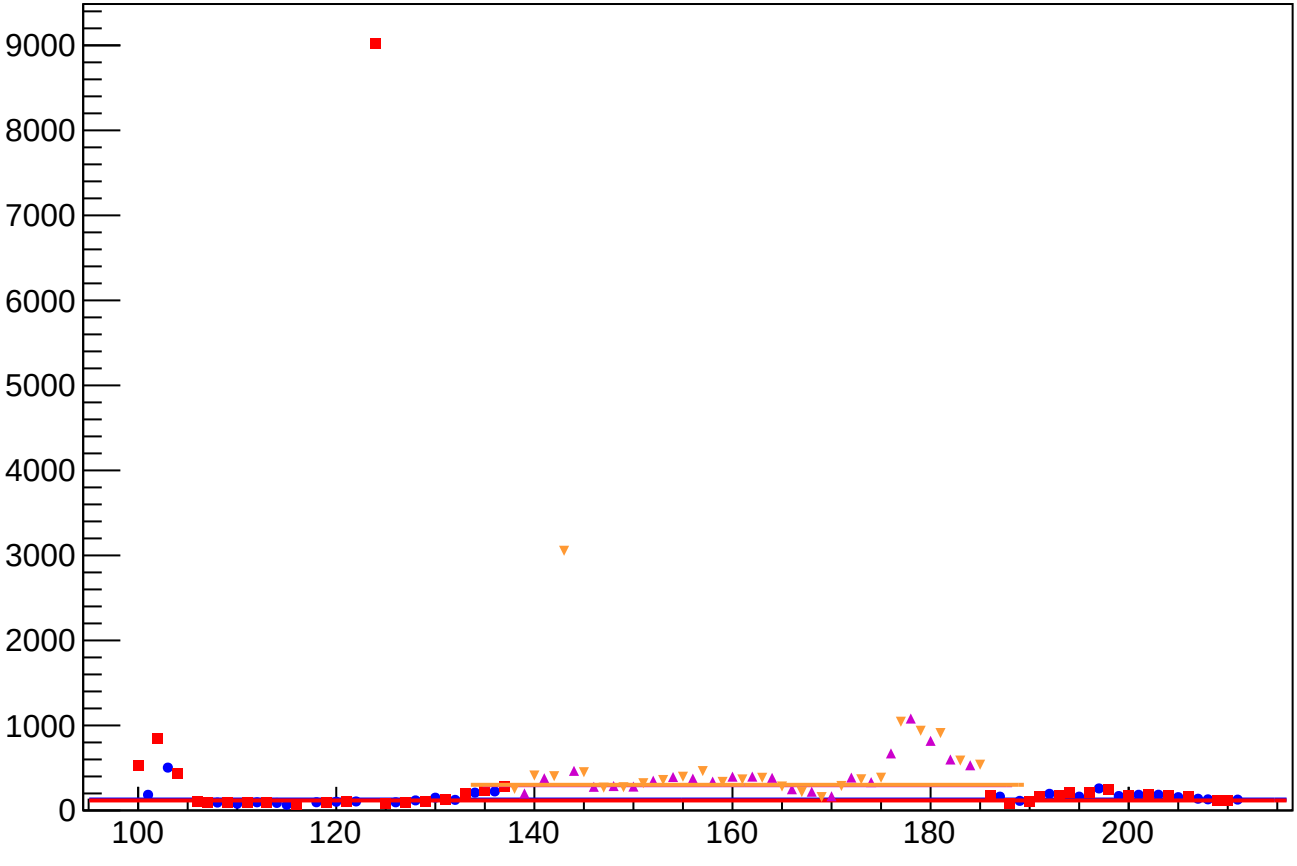
Right: 0.009+/-0.023 χ^2/NDF: 62.3/60

In: 0.042+/-0.031 χ^2/NDF:44.1/50

Out: -0.005+/-0.029 χ^2/NDF:71.6/57

All: 0.016+/-0.021 χ^2/NDF: 116.9/108

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.630+/-0.024 χ^2/NDF: 3446997.4/27

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.665+/-0.022 χ^2/NDF: 5413587.8/32

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

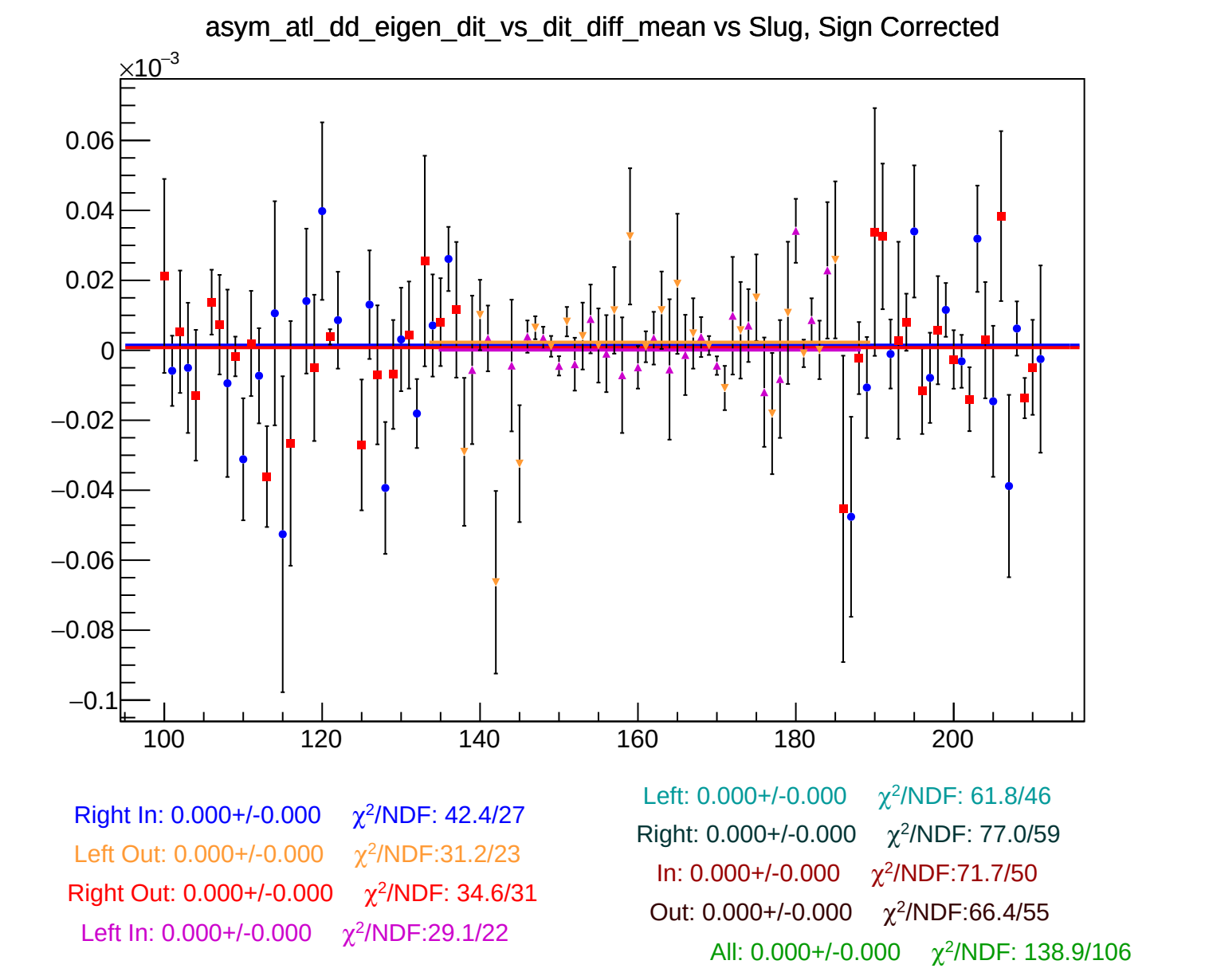
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

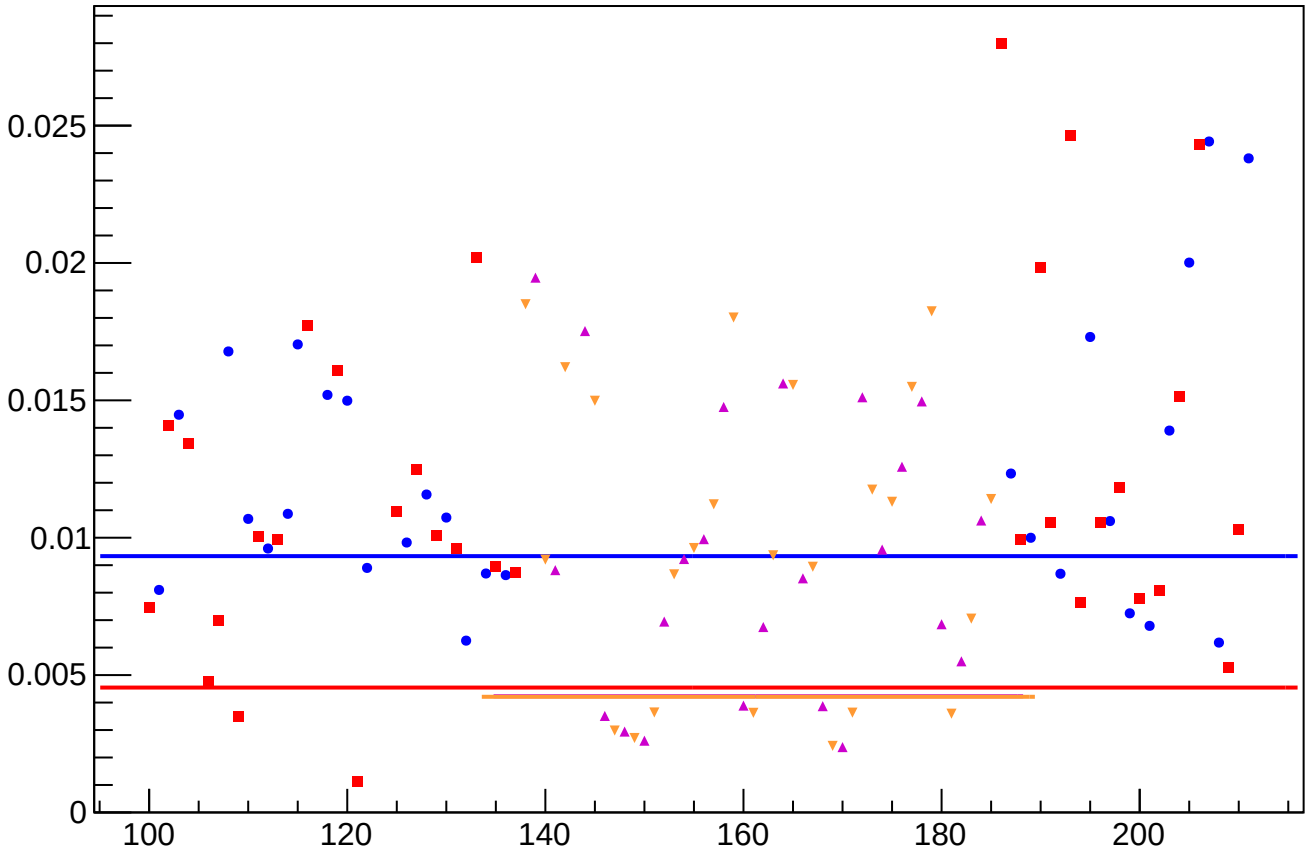
Right: 122.630+/-0.016 χ^2/NDF: 8972644.5/60

In: 157.217+/-0.022 χ^2/NDF:16557246.6/50

Out: 143.621+/-0.020 χ^2/NDF:21941813.1/57

All: 149.893+/-0.015 χ^2/NDF: 38703382.7/10


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 42.4/27
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.6/31
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: 0.000+/-0.000 χ²/NDF: 77.0/59
In: 0.000+/-0.000 χ²/NDF:71.7/50
Out: 0.000+/-0.000 χ²/NDF:66.4/55
All: 0.000+/-0.000 χ²/NDF: 138.9/106



Right In: 0.009+/-0.000 χ^2/NDF: 3971550.1/27

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16461190.7/31

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

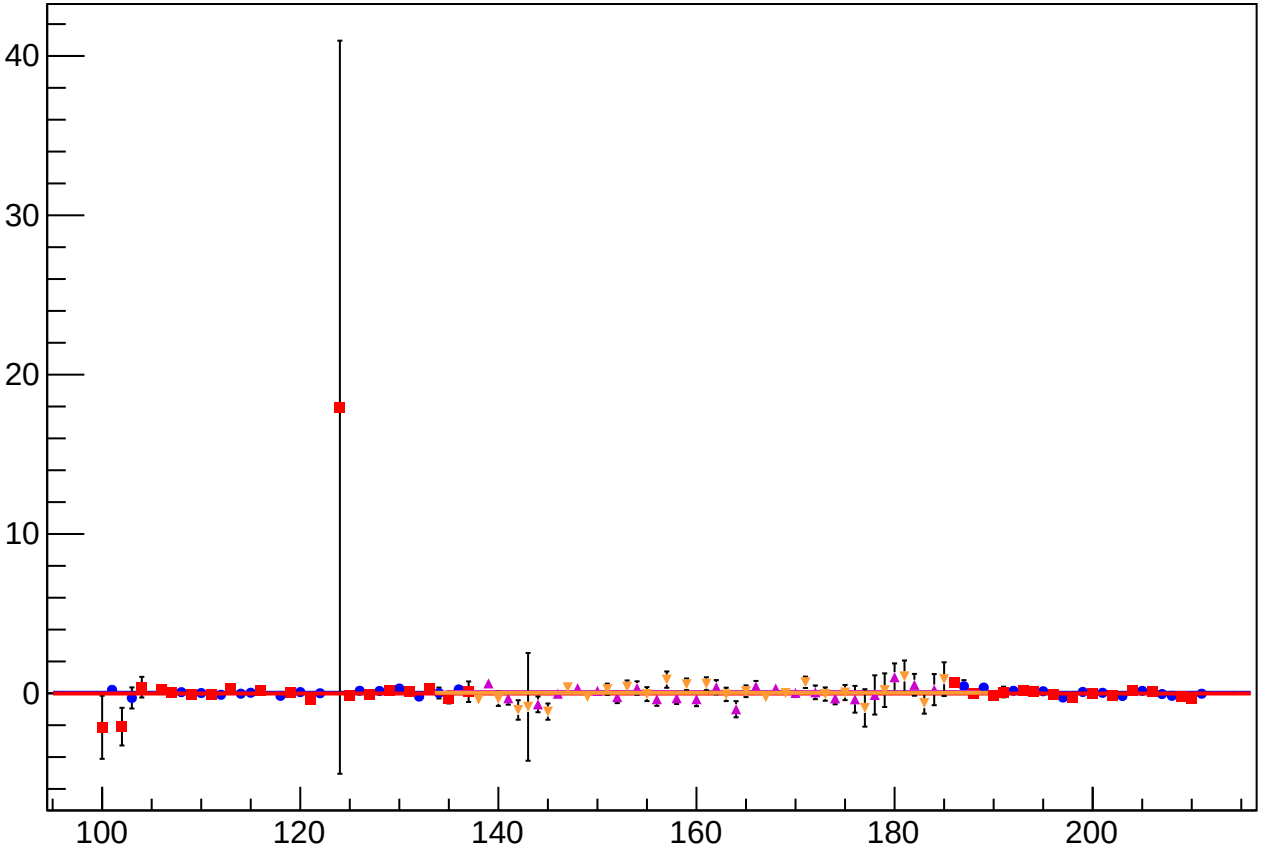
Right: 0.006+/-0.000 χ^2/NDF: 25623802.9/59

In: 0.005+/-0.000 χ^2/NDF:21534648.2/50

Out: 0.004+/-0.000 χ^2/NDF:28595391.9/55

All: 0.005+/-0.000 χ^2/NDF: 50888001.5/106

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.031 χ^2/NDF: 41.6/32

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

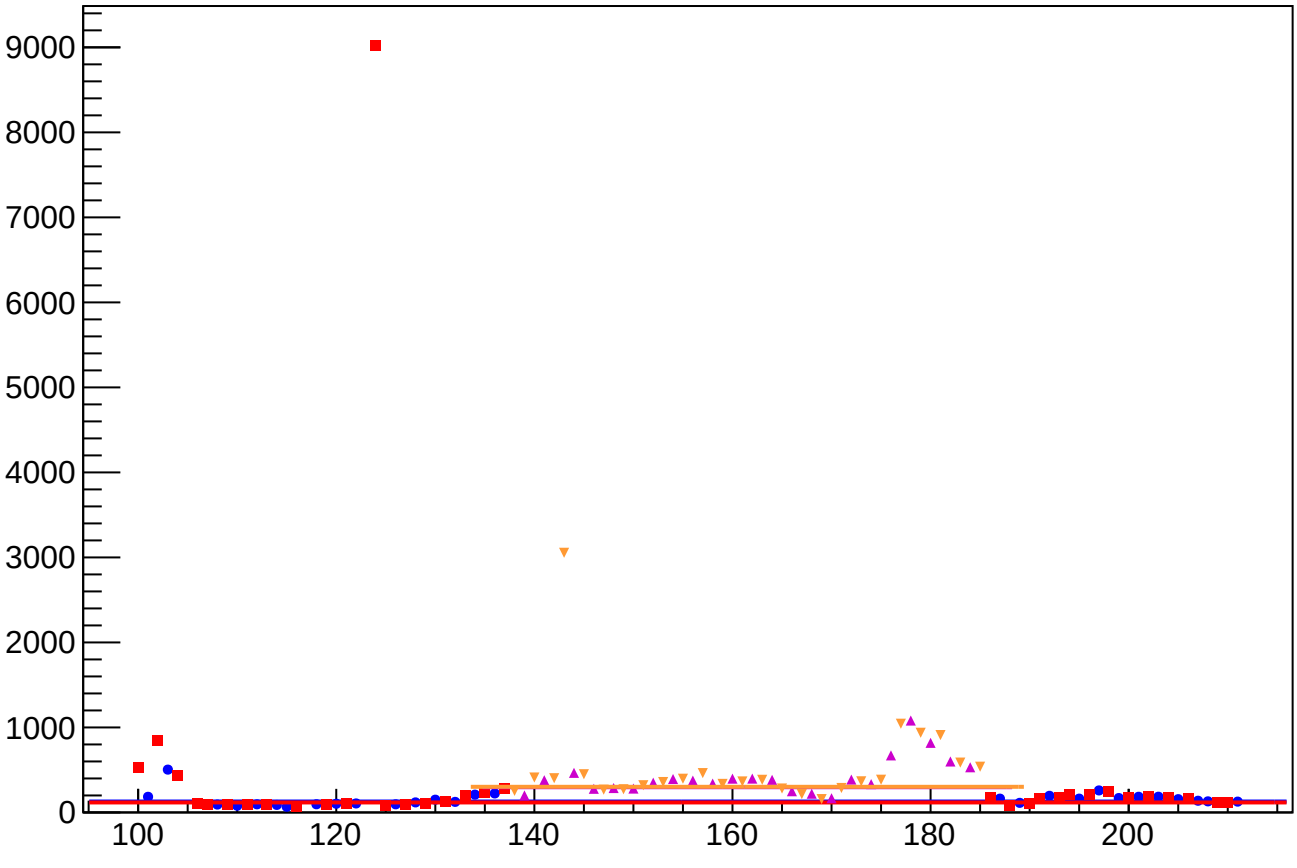
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.009+/-0.023 χ^2/NDF: 62.3/60

In: 0.042+/-0.031 χ^2/NDF:44.1/50

Out: -0.005+/-0.029 χ^2/NDF:71.6/57

All: 0.016+/-0.021 χ^2/NDF: 116.9/108



Right In: 128.631+/-0.024 χ^2/NDF: 3446972.5/27

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.666+/-0.022 χ^2/NDF: 5413510.1/32

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

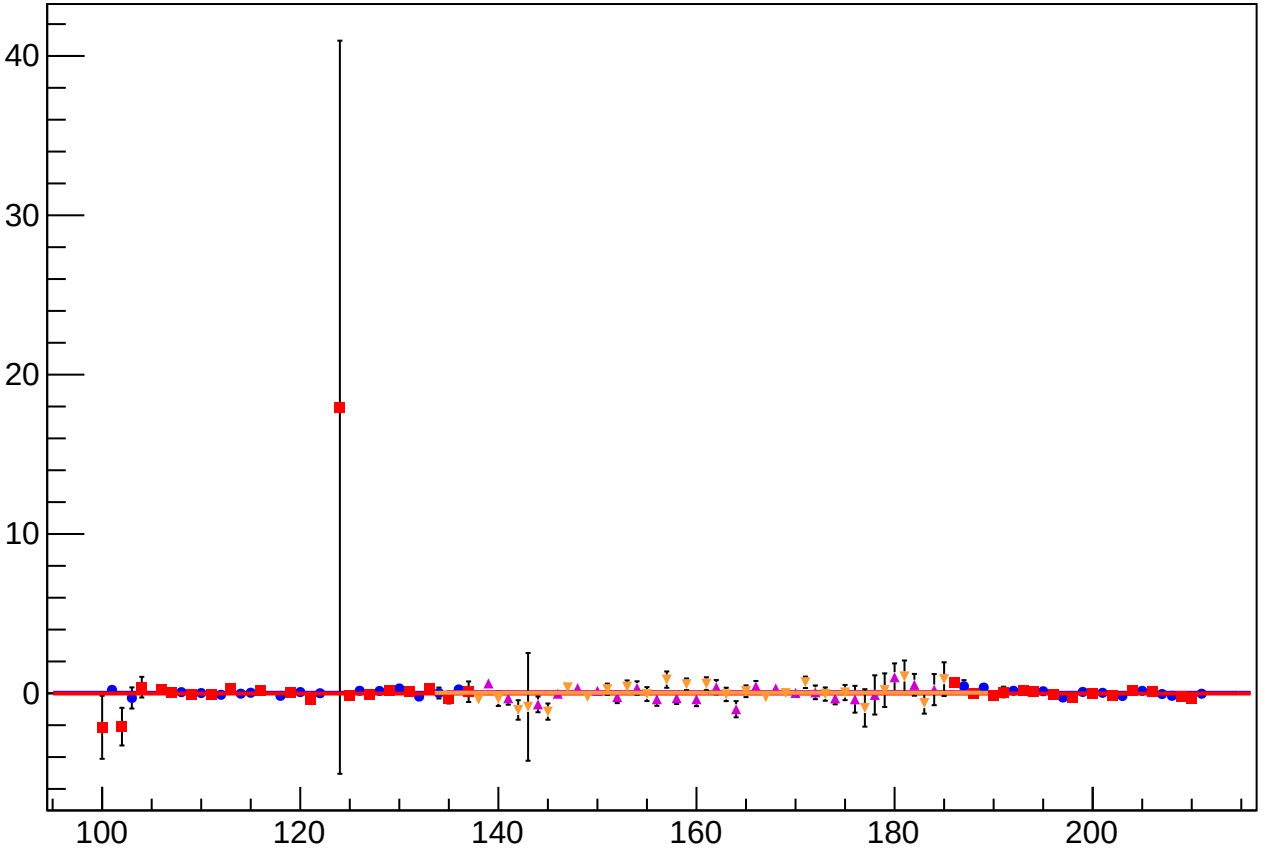
Right: 122.631+/-0.016 χ^2/NDF: 8972545.3/60

In: 157.218+/-0.022 χ^2/NDF:16557238.6/50

Out: 143.622+/-0.020 χ^2/NDF:21941778.1/57

All: 149.894+/-0.015 χ^2/NDF: 38703349.3/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.034 χ^2/NDF: 19.7/27

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.012+/-0.031 χ^2/NDF: 41.6/32

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

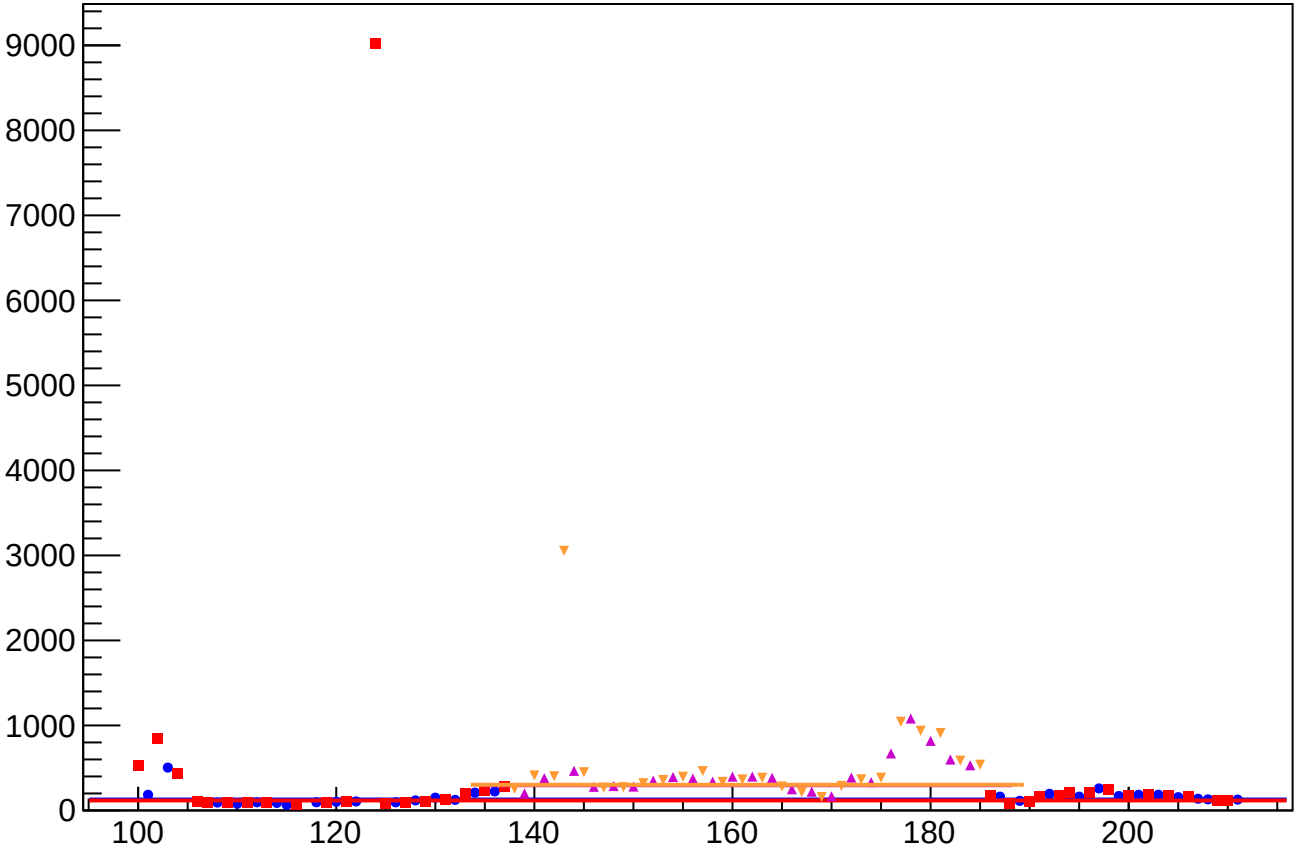
Right: 0.009+/-0.023 χ^2/NDF: 62.3/60

In: 0.042+/-0.031 χ^2/NDF:44.1/50

Out: -0.005+/-0.029 χ^2/NDF:71.6/57

All: 0.016+/-0.021 χ^2/NDF: 116.9/108

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.631+/-0.024 χ^2/NDF: 3446972.5/27

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.666+/-0.022 χ^2/NDF: 5413510.1/32

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

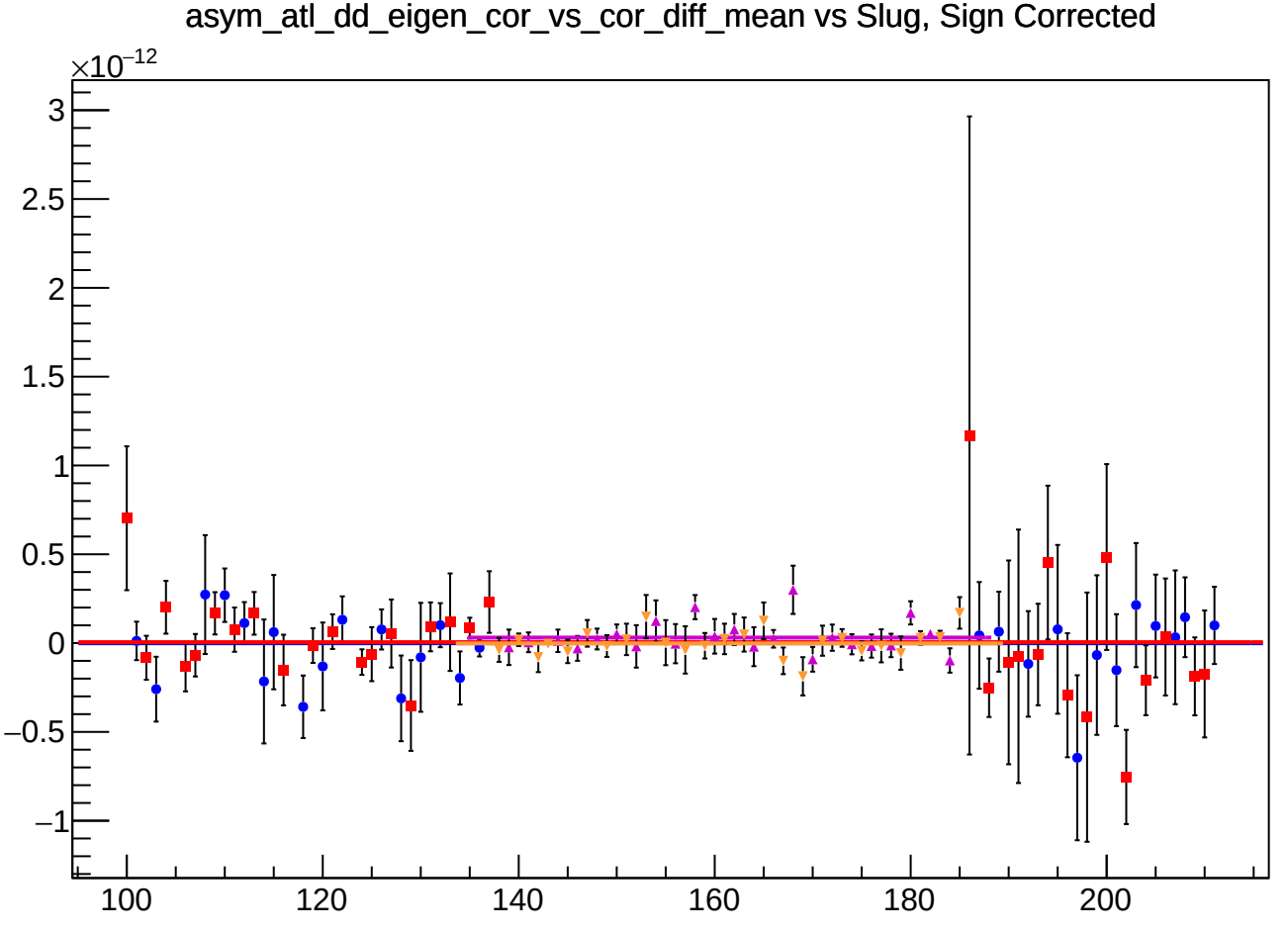
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 122.631+/-0.016 χ^2/NDF: 8972545.3/60

In: 157.218+/-0.022 χ^2/NDF:16557238.6/50

Out: 143.622+/-0.020 χ^2/NDF:21941778.1/57

All: 149.894+/-0.015 χ^2/NDF: 38703349.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/32

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

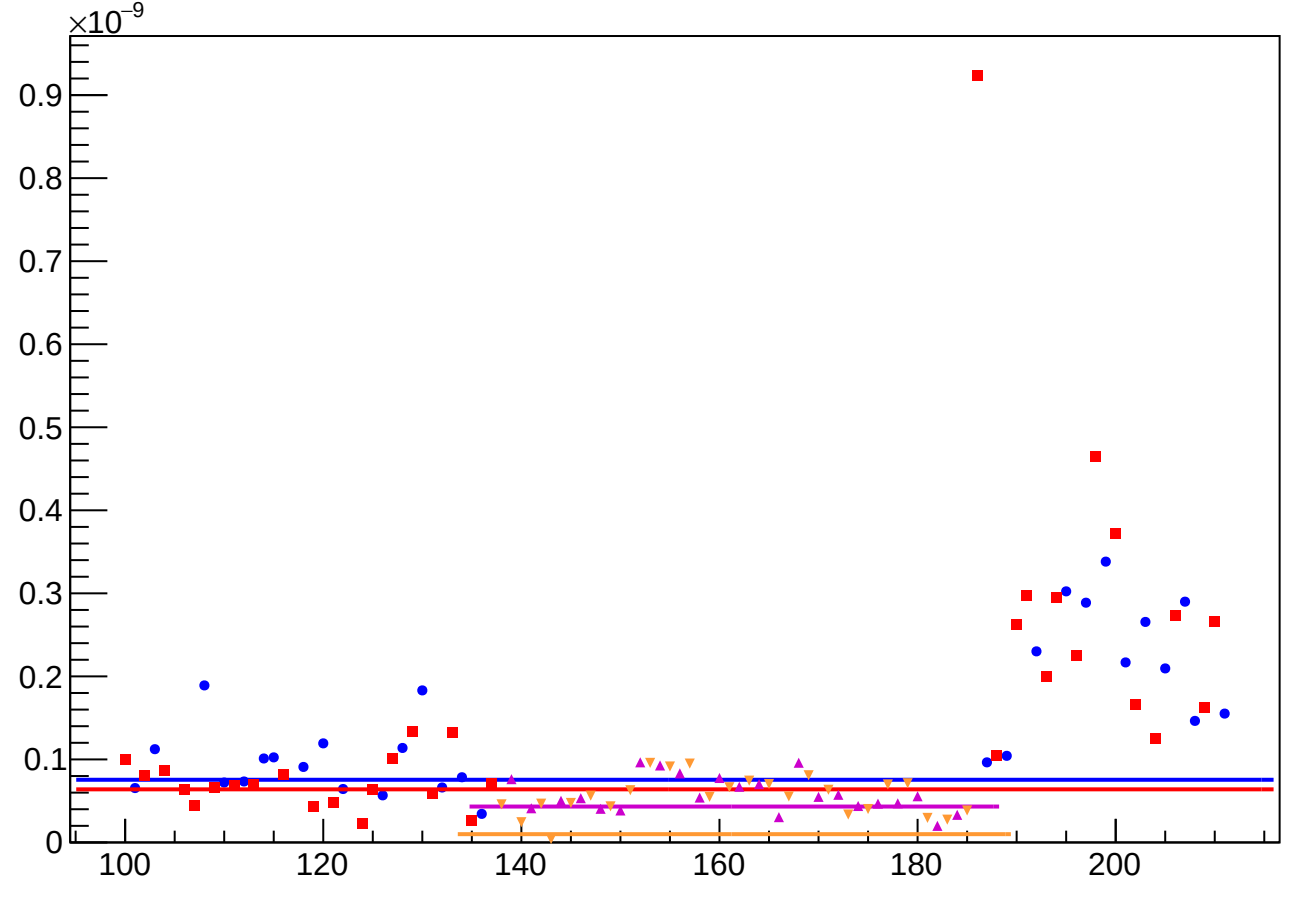
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 57.9/60

In: 0.000+/-0.000 χ^2/NDF:48.4/50

Out: -0.000+/-0.000 χ^2/NDF:54.5/57

All: 0.000+/-0.000 χ^2/NDF: 107.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 6889102.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8304602.9/32

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

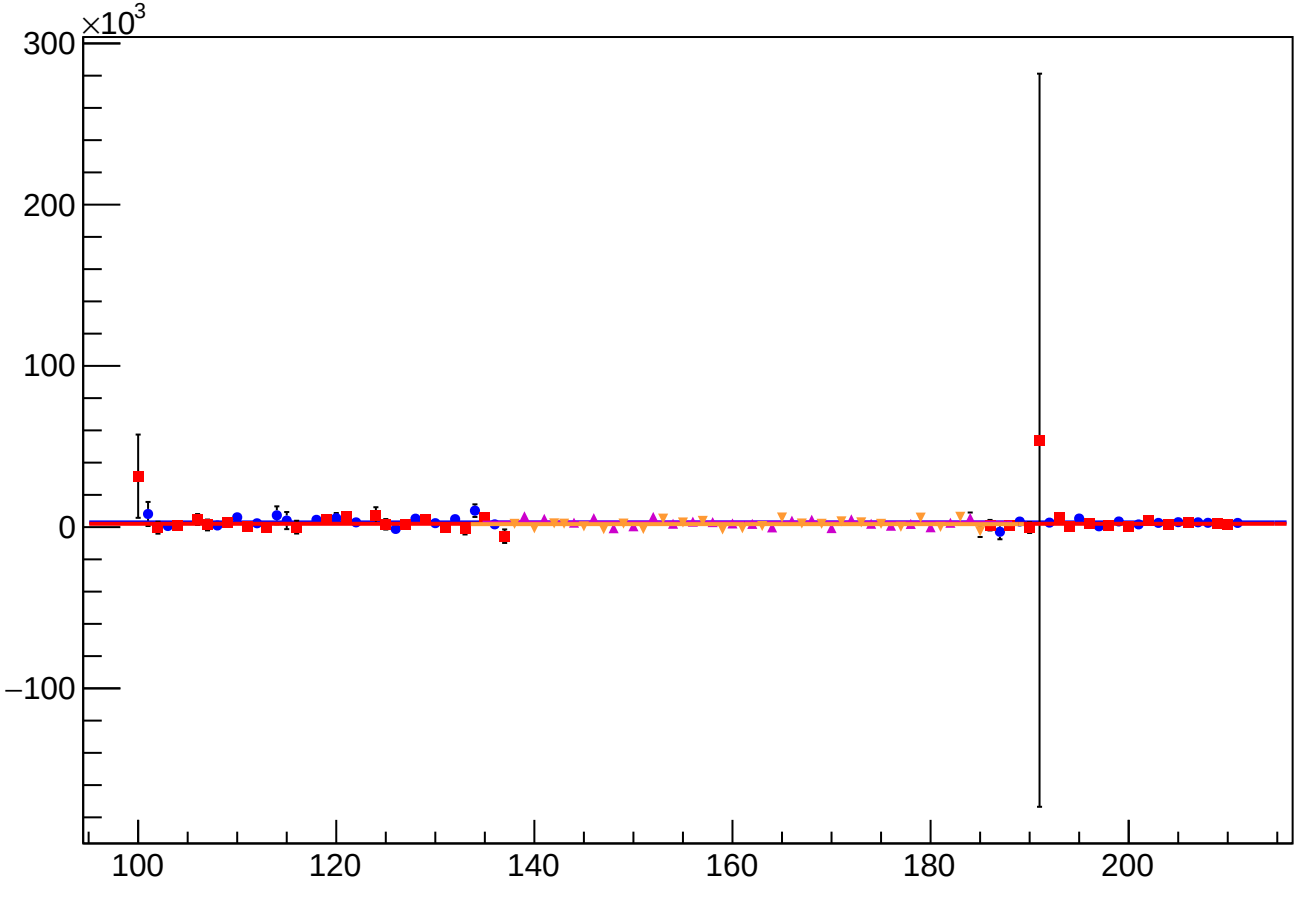
Right: 0.000+/-0.000 χ^2/NDF: 15365217.2/60

In: 0.000+/-0.000 χ^2/NDF:12893597.6/50

Out: 0.000+/-0.000 χ^2/NDF:35244432.4/57

All: 0.000+/-0.000 χ^2/NDF: 63600626.0/108

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2929.784+/-481.793 χ^2/NDF: 16.4/27

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2067.242+/-465.084 χ^2/NDF: 22.7/32

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

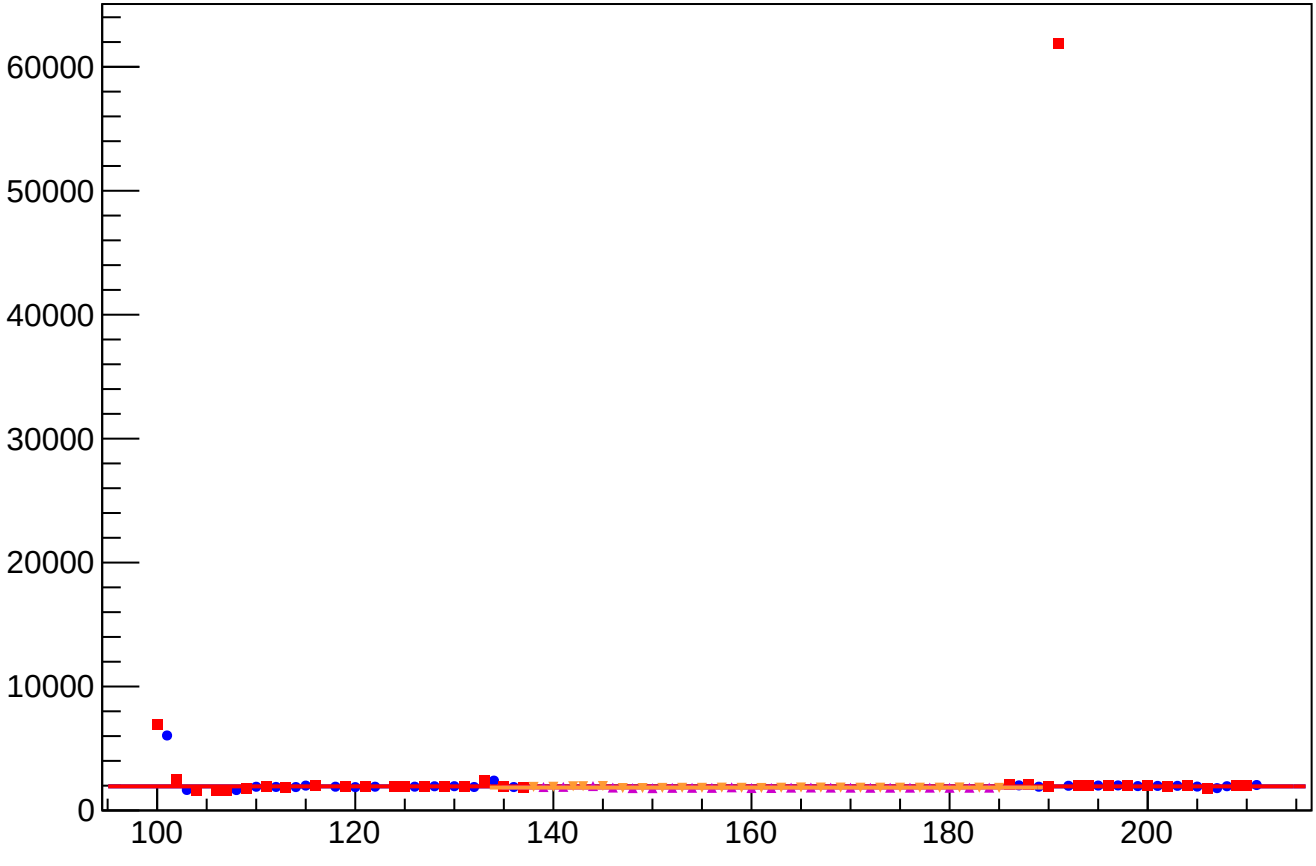
Right: 2483.297+/-334.615 χ^2/NDF: 40.7/60

In: 2844.210+/-321.171 χ^2/NDF:41.9/50

Out: 1948.687+/-311.711 χ^2/NDF:54.3/57

All: 2383.065+/-223.683 χ^2/NDF: 100.2/108

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.9/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1944.164+/-0.328 χ^2/NDF: 422045.5/32

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

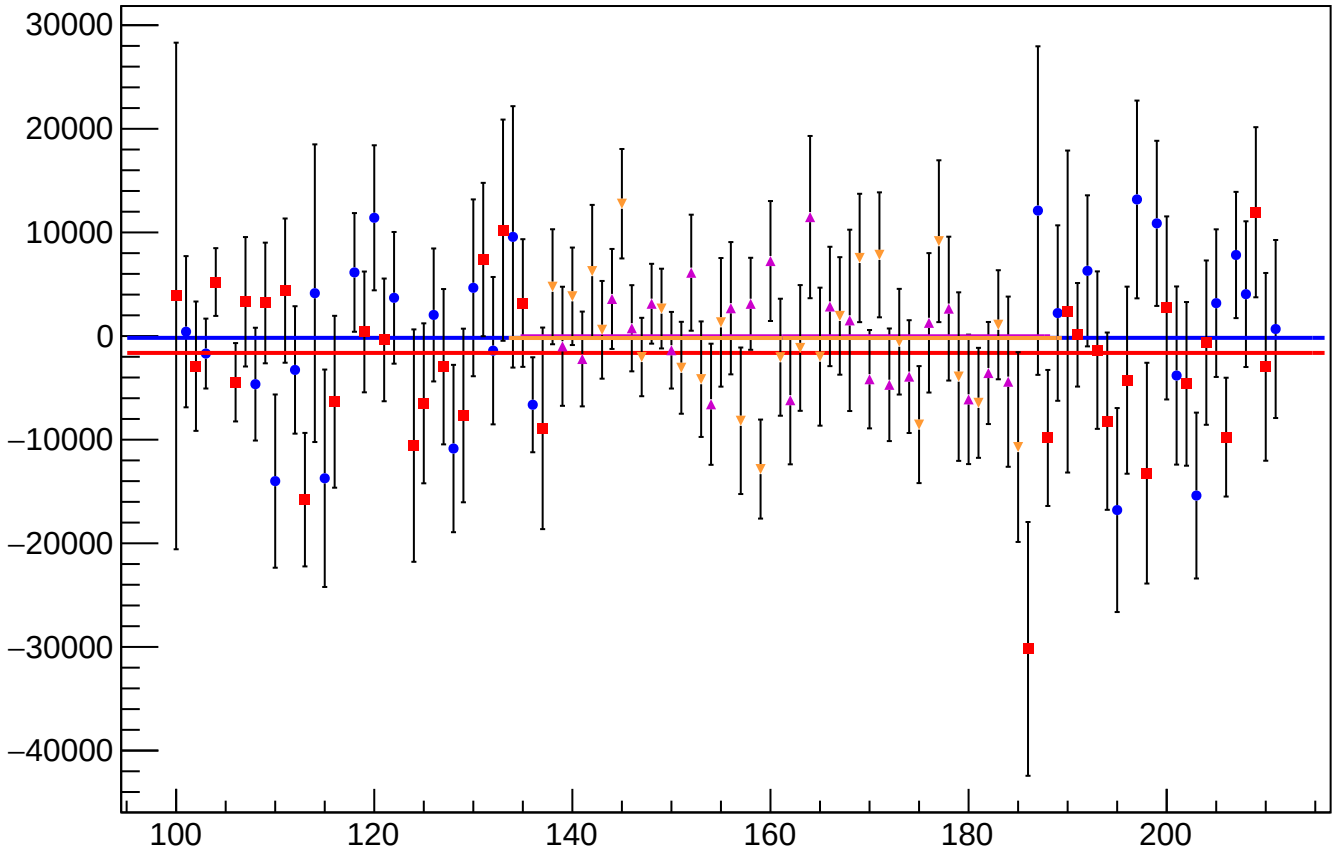
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1943.853+/-0.236 χ^2/NDF: 1144825.3/60

In: 1888.812+/-0.227 χ^2/NDF:783209.9/50

Out: 1891.555+/-0.220 χ^2/NDF:489595.3/57

All: 1890.226+/-0.158 χ^2/NDF: 1272880.4/10



Right In: -172.836+/-1311.684 χ^2/NDF: 29.1/27

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1627.385+/-1184.868 χ^2/NDF: 32.1/32

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

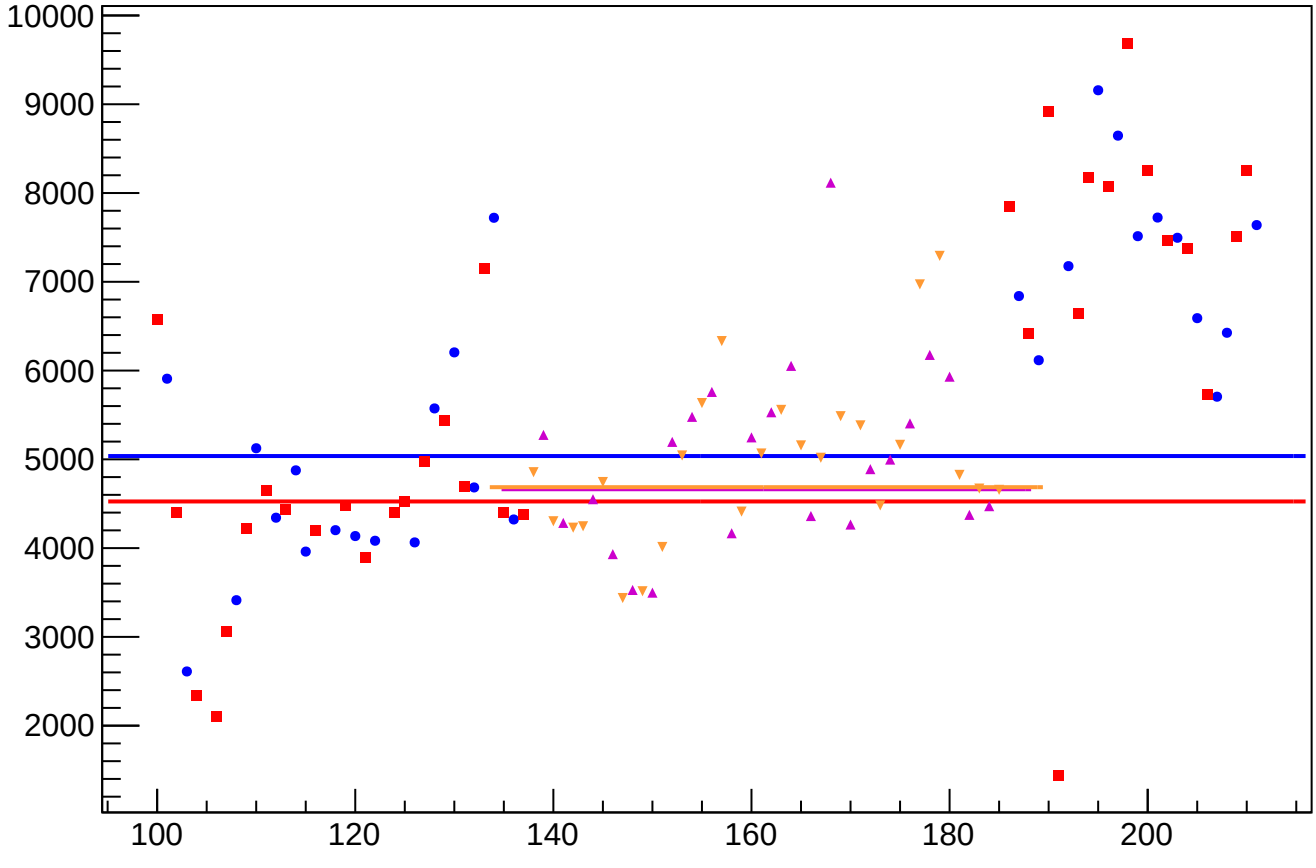
Right: -973.806+/-879.253 χ^2/NDF: 61.8/60

In: -83.595+/-848.466 χ^2/NDF:42.8/50

Out: -847.655+/-801.640 χ^2/NDF:61.8/57

All: -487.289+/-582.696 χ^2/NDF: 105.1/108

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5037.144+/-0.928 χ^2/NDF: 3471034.2/27

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4525.537+/-0.838 χ^2/NDF: 6144205.8/32

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

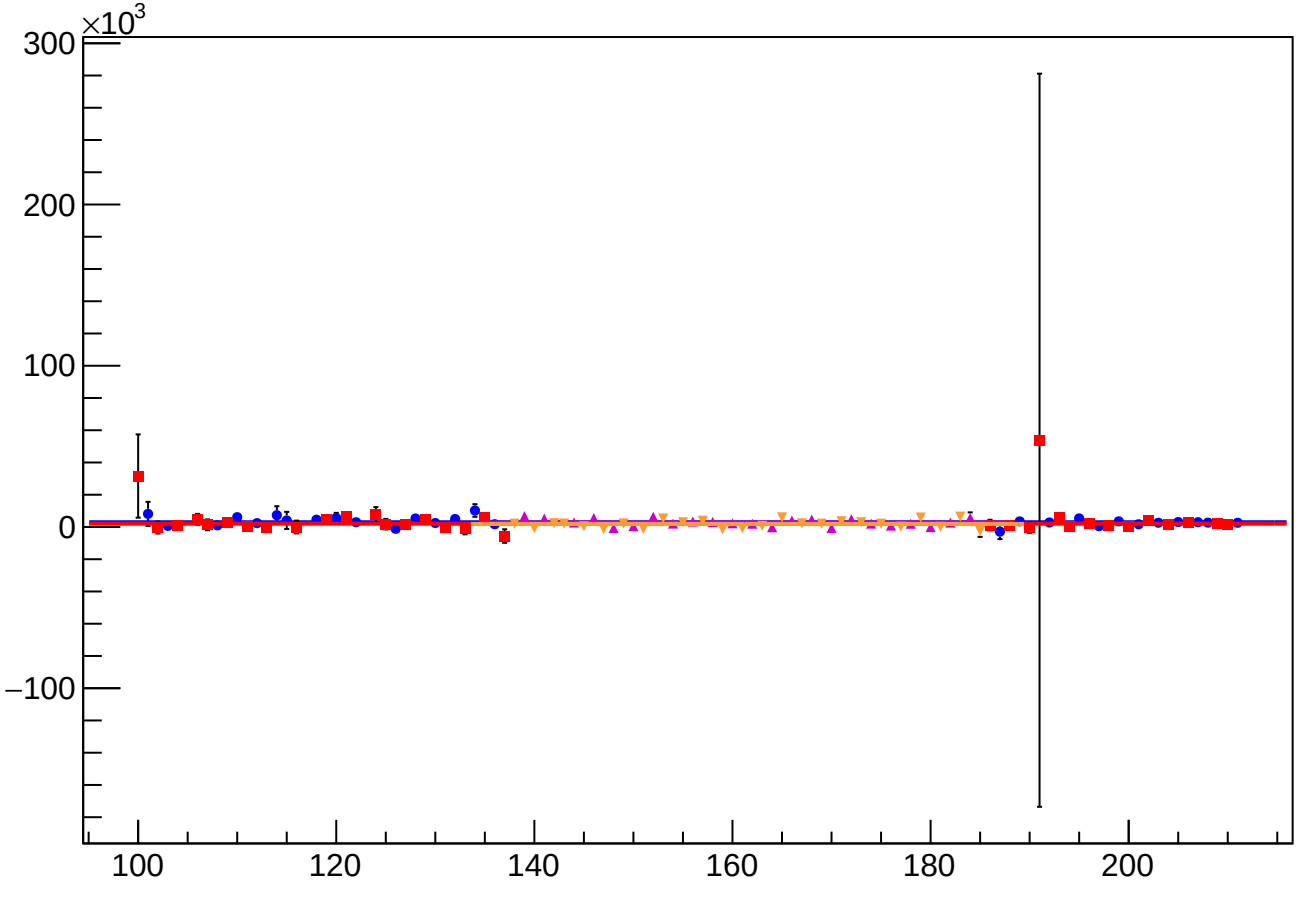
Right: 4755.419+/-0.622 χ^2/NDF: 9782785.6/60

In: 4819.707+/-0.600 χ^2/NDF:4852260.0/50

Out: 4612.741+/-0.567 χ^2/NDF:7349247.6/57

All: 4710.355+/-0.412 χ^2/NDF: 12264383.4/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2929.520+/-481.793 χ^2/NDF: 16.3/27

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2067.740+/-465.085 χ^2/NDF: 22.7/32

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

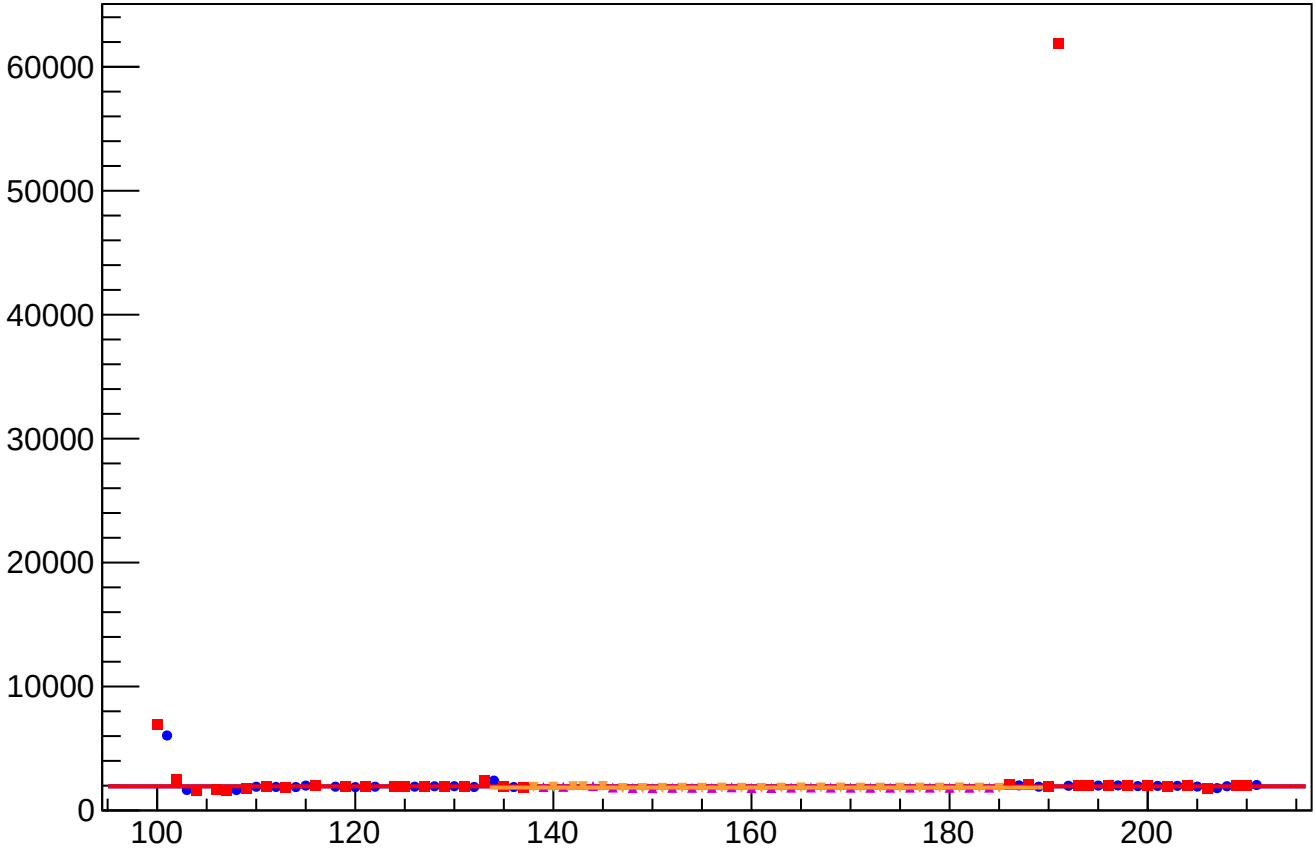
Right: 2483.428+/-334.616 χ^2/NDF: 40.7/60

In: 2844.079+/-321.171 χ^2/NDF:41.8/50

Out: 1948.849+/-311.711 χ^2/NDF:54.3/57

All: 2383.086+/-223.683 χ^2/NDF: 100.2/108

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.0/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF: 413872.7/32

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

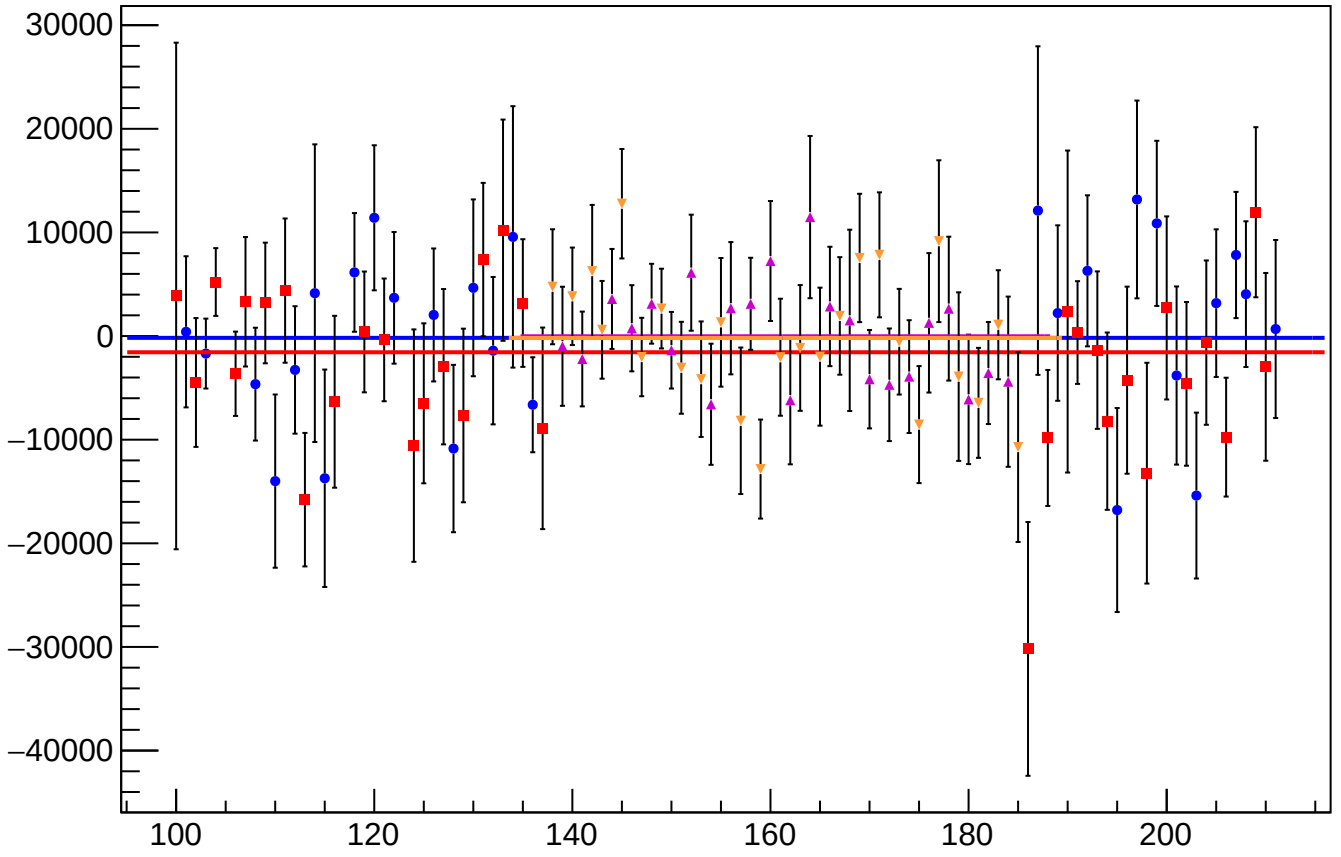
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1944.782+/-0.237 χ^2/NDF: 1136676.3/60

In: 1888.812+/-0.227 χ^2/NDF:783209.2/50

Out: 1892.324+/-0.220 χ^2/NDF:483147.7/57

All: 1890.621+/-0.158 χ^2/NDF: 1266480.0/10



Right In: -173.039+/-1311.686 χ^2/NDF: 29.1/27

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1562.431+/-1192.144 χ^2/NDF: 32.0/32

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

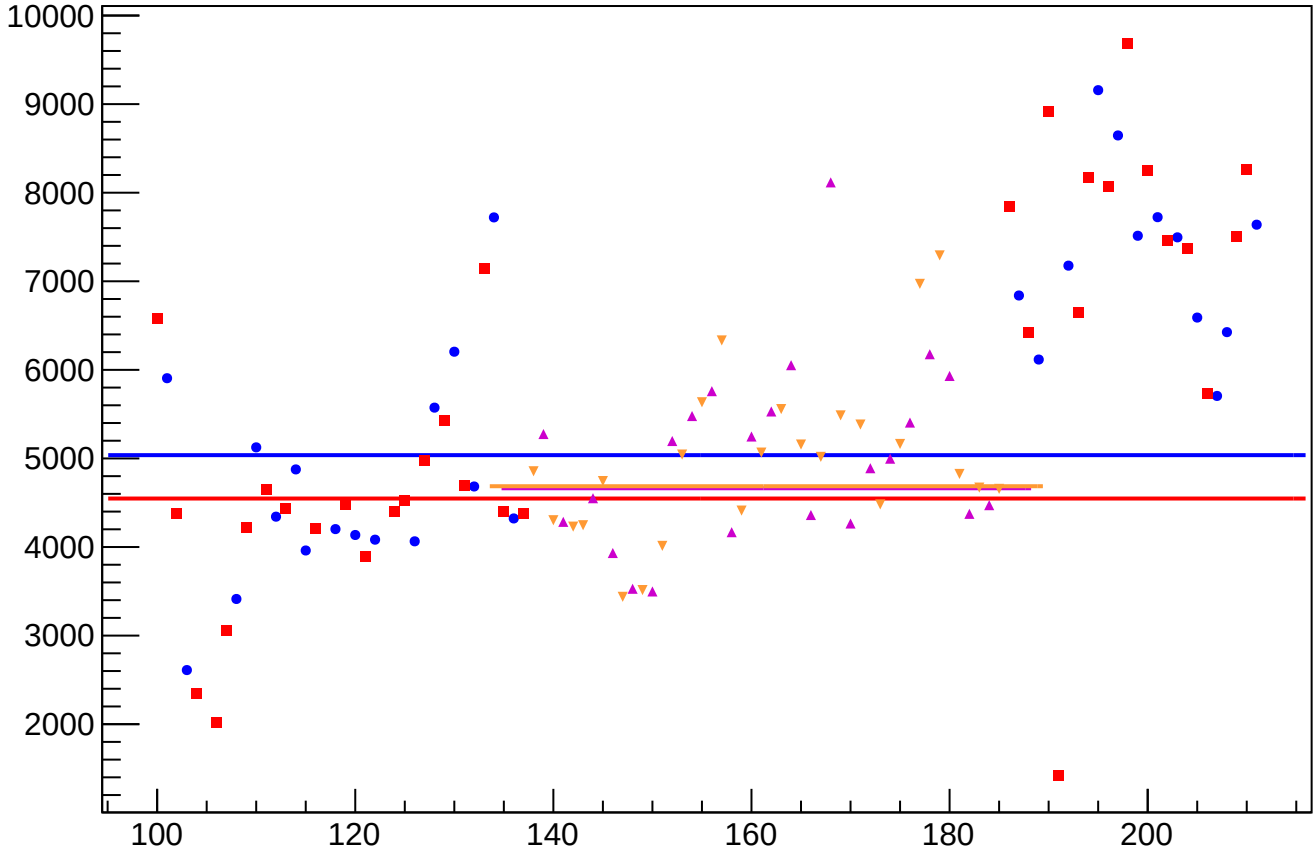
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -933.918+/-882.215 χ^2/NDF: 61.7/60

In: -83.703+/-848.466 χ^2/NDF:42.8/50

Out: -813.767+/-803.882 χ^2/NDF:61.6/57

All: -468.420+/-583.556 χ^2/NDF: 104.8/108



Right In: 5037.210+/-0.928 χ^2/NDF: 3470397.8/27

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4547.416+/-0.843 χ^2/NDF: 6096594.1/32

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

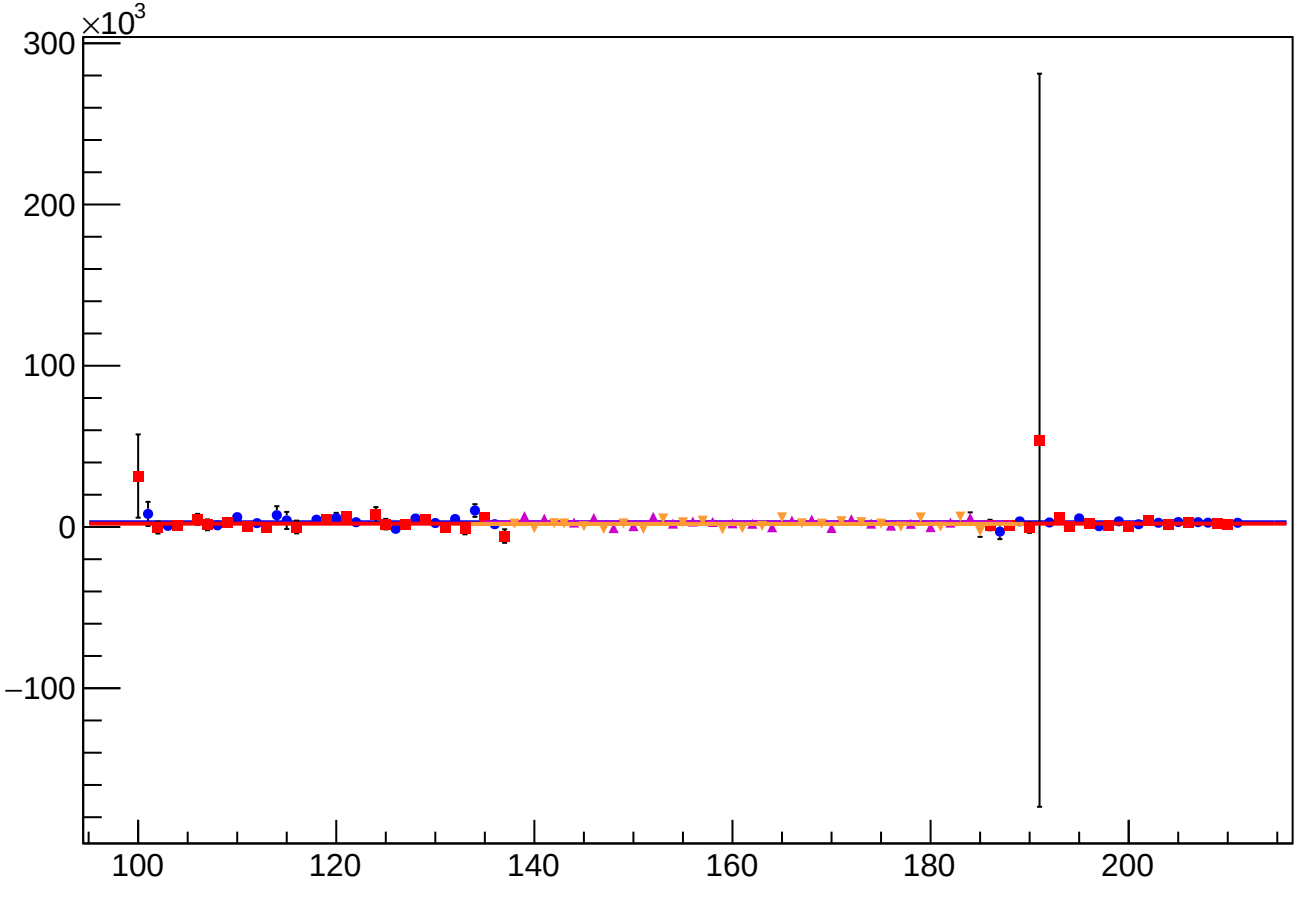
Right: 4768.981+/-0.624 χ^2/NDF: 9719709.5/60

In: 4819.735+/-0.600 χ^2/NDF:4851652.2/50

Out: 4623.174+/-0.568 χ^2/NDF:7296494.6/57

All: 4716.154+/-0.413 χ^2/NDF: 12204710.2/1

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2929.520+/-481.793 χ^2/NDF: 16.3/27

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2067.740+/-465.085 χ^2/NDF: 22.7/32

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

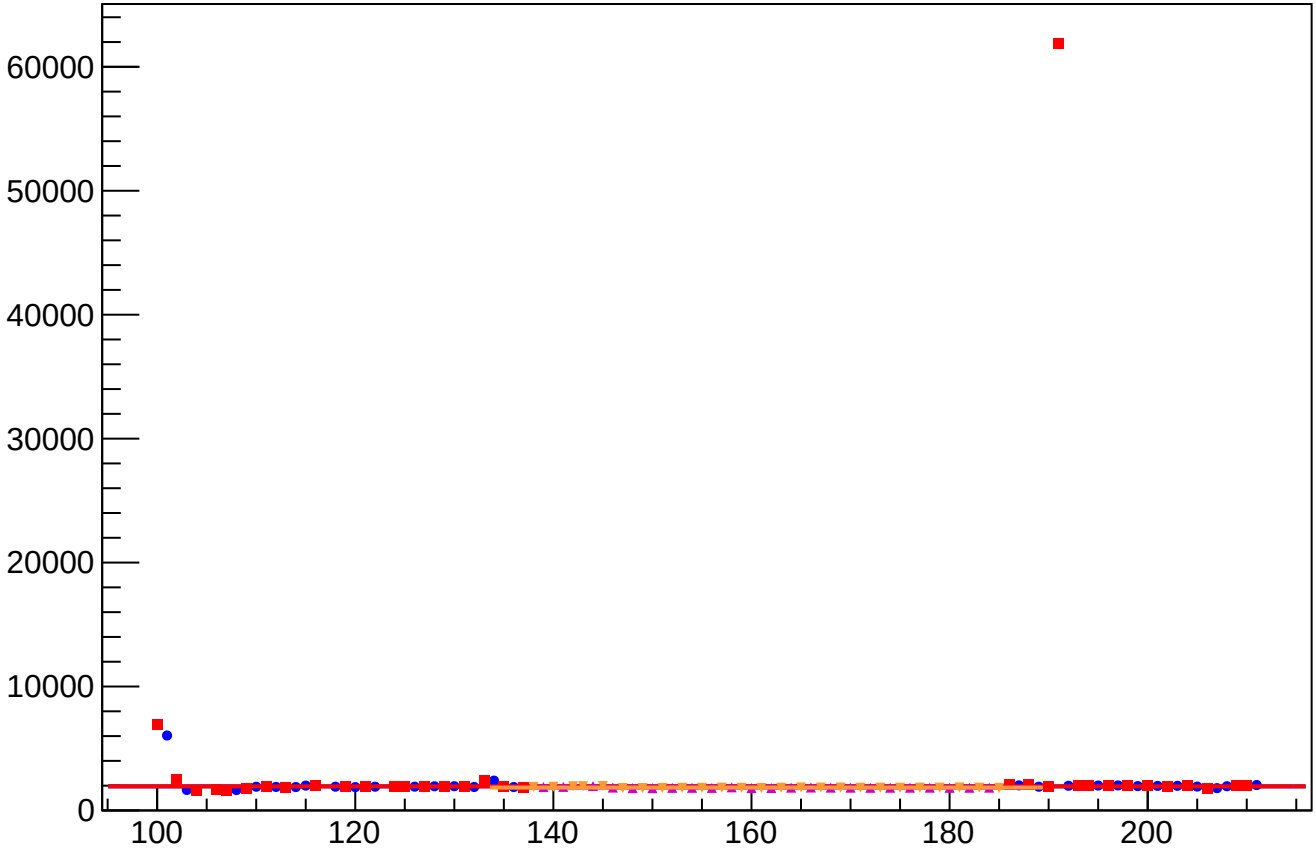
Right: 2483.428+/-334.616 χ^2/NDF: 40.7/60

In: 2844.079+/-321.171 χ^2/NDF:41.8/50

Out: 1948.849+/-311.711 χ^2/NDF:54.3/57

All: 2383.086+/-223.683 χ^2/NDF: 100.2/108

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1943.517+/-0.341 χ^2/NDF: 722777.0/27

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.960+/-0.329 χ^2/NDF: 413872.7/32

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

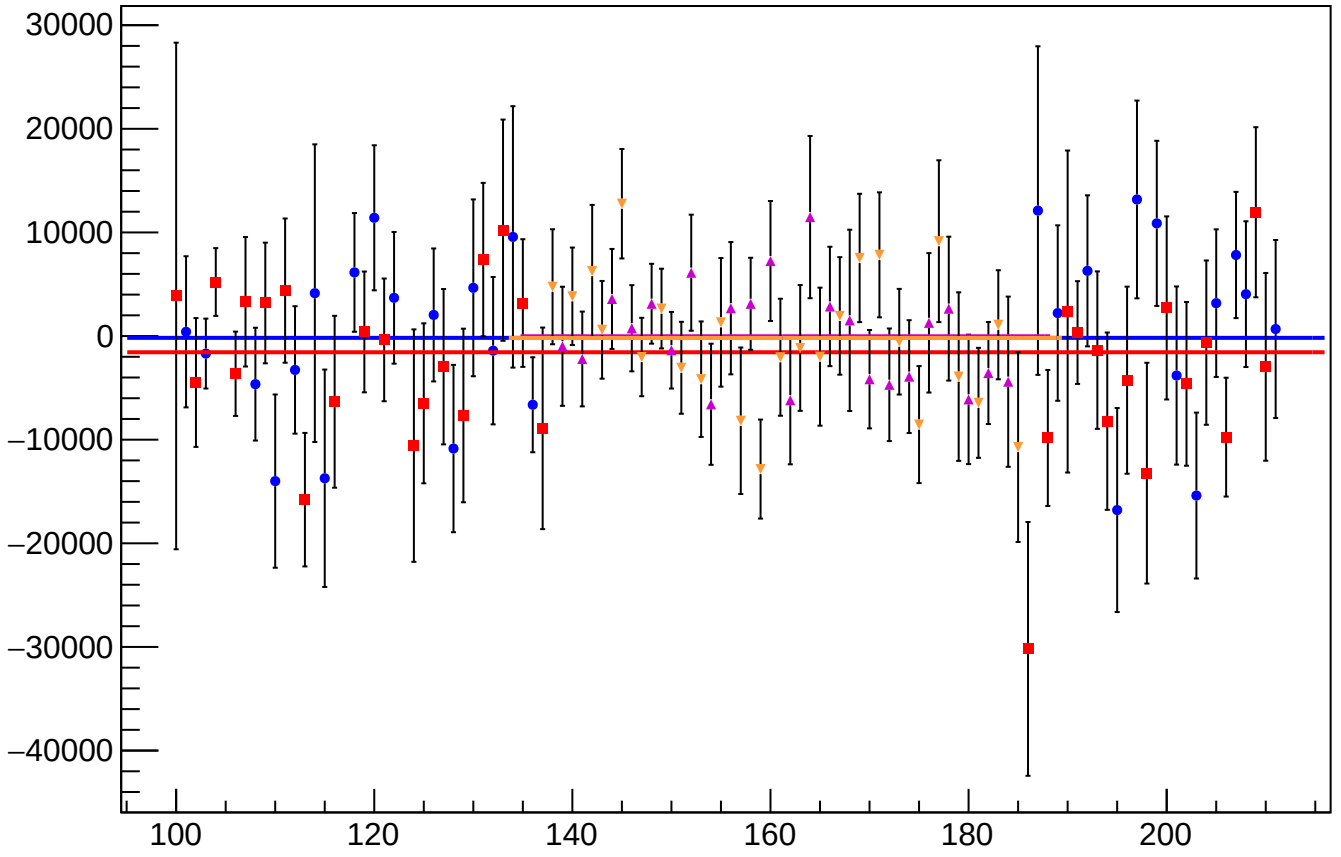
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1944.782+/-0.237 χ^2/NDF: 1136676.3/60

In: 1888.812+/-0.227 χ^2/NDF:783209.2/50

Out: 1892.324+/-0.220 χ^2/NDF:483147.7/57

All: 1890.621+/-0.158 χ^2/NDF: 1266480.0/10



Right In: -173.039+/-1311.686 χ^2/NDF: 29.1/27

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1562.431+/-1192.144 χ^2/NDF: 32.0/32

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

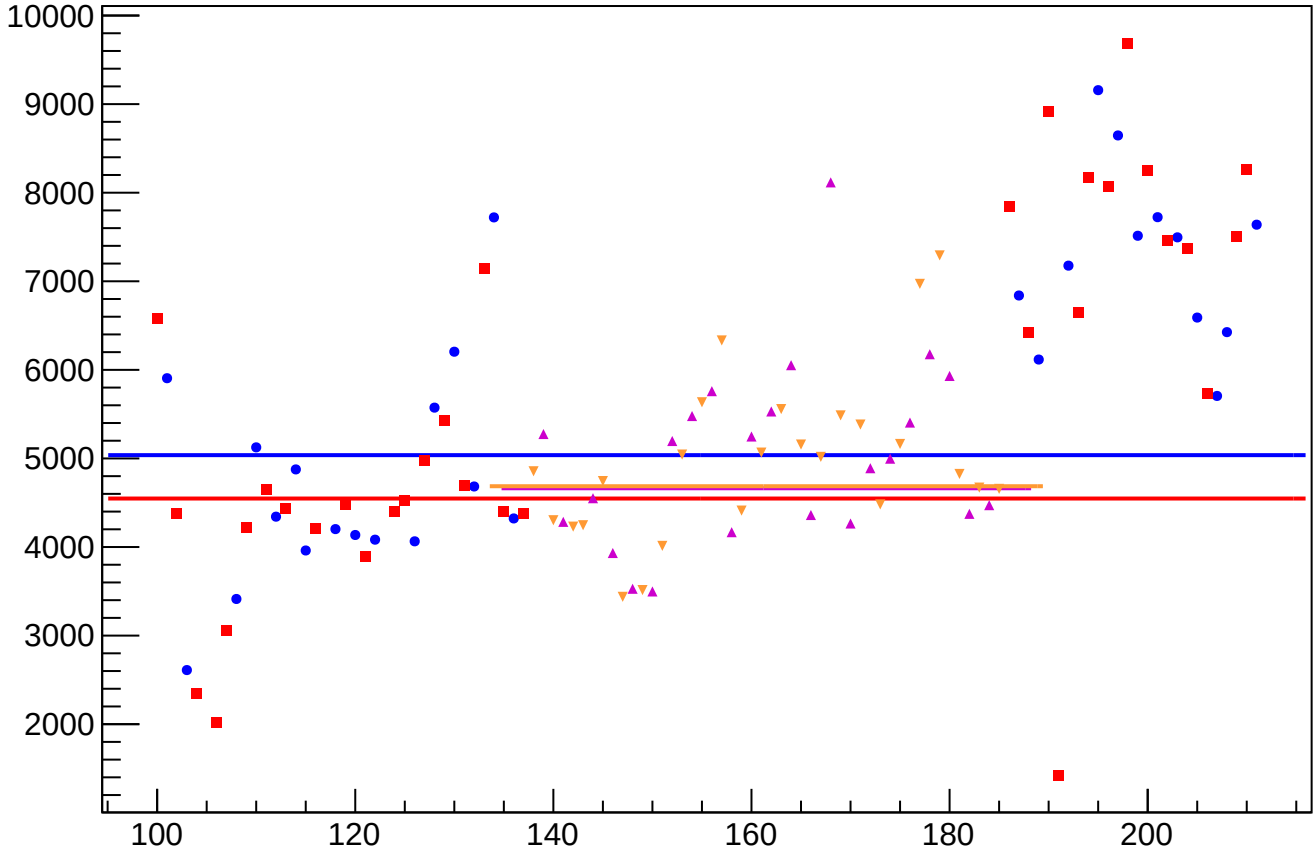
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

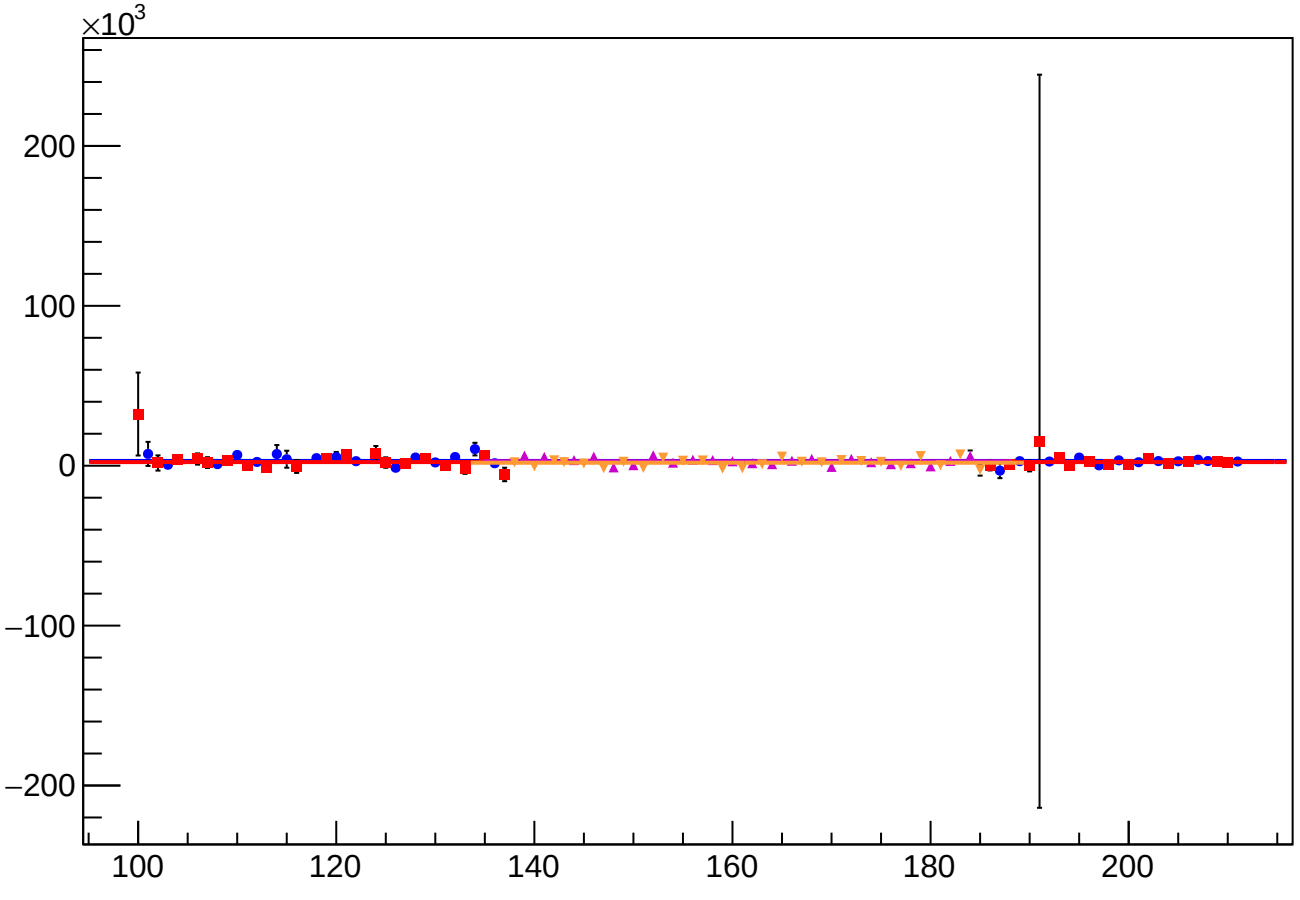
Right: -933.918+/-882.215 χ^2/NDF: 61.7/60

In: -83.703+/-848.466 χ^2/NDF:42.8/50

Out: -813.767+/-803.882 χ^2/NDF:61.6/57

All: -468.420+/-583.556 χ^2/NDF: 104.8/108


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 5037.210+/-0.928 χ²/NDF: 3470397.8/27
Left Out: 4686.346+/-0.770 χ²/NDF:1185089.0/24
Right Out: 4547.416+/-0.843 χ²/NDF: 6096594.1/32
Left In: 4663.273+/-0.787 χ²/NDF:1286722.8/22
Left: 4675.061+/-0.550 χ²/NDF: 2472251.2/47
Right: 4768.981+/-0.624 χ²/NDF: 9719709.5/60
In: 4819.735+/-0.600 χ²/NDF:4851652.2/50
Out: 4623.174+/-0.568 χ²/NDF:7296494.6/57
All: 4716.154+/-0.413 χ²/NDF: 12204710.2/



Right In: 2991.764+/-491.455 χ^2/NDF: 16.7/27

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2277.144+/-475.479 χ^2/NDF: 23.5/32

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

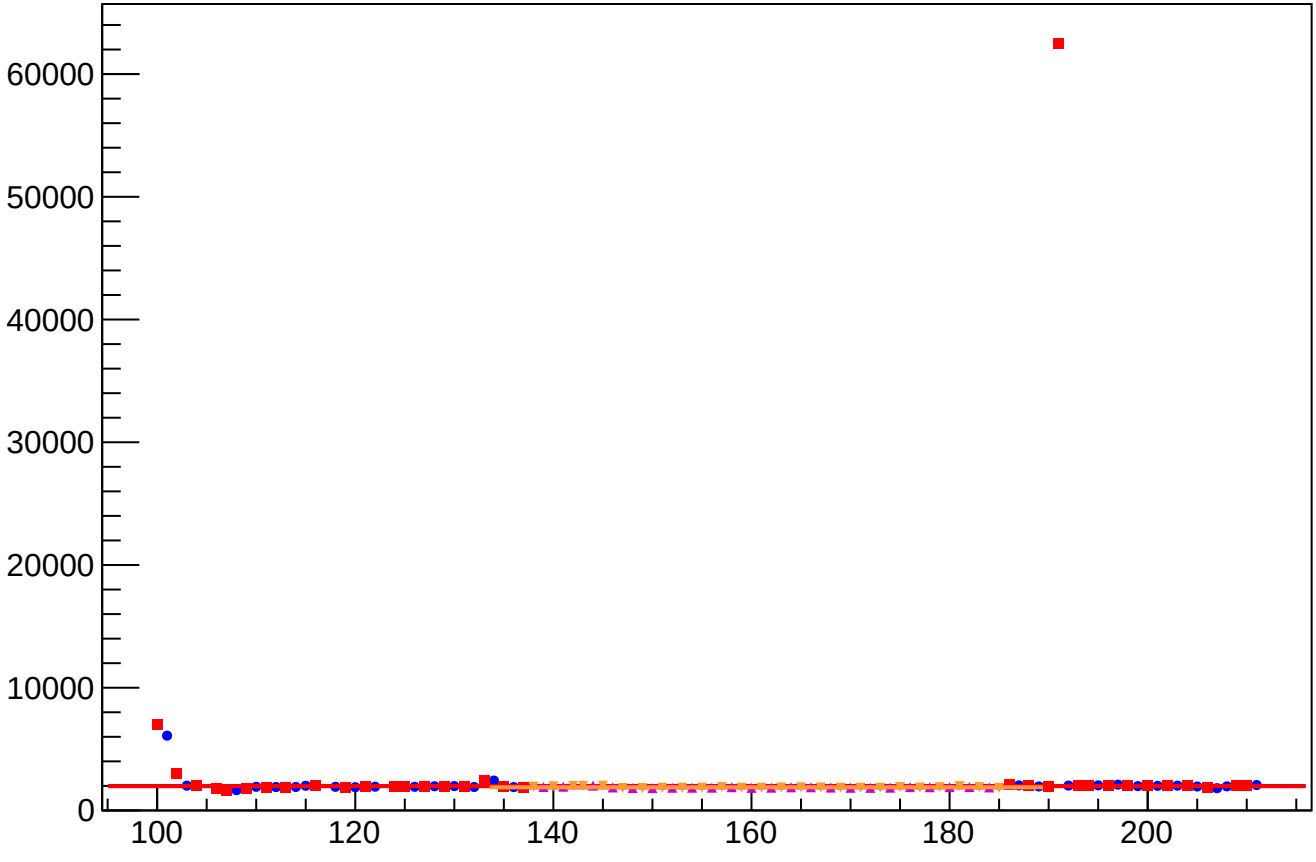
Right: 2622.650+/-341.723 χ^2/NDF: 41.3/60

In: 2884.286+/-327.497 χ^2/NDF:42.3/50

Out: 2058.719+/-318.509 χ^2/NDF:56.8/57

All: 2460.018+/-228.331 χ^2/NDF: 102.3/108

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1983.118+/-0.348 χ^2/NDF: 693308.1/27

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1985.632+/-0.336 χ^2/NDF: 435033.0/32

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

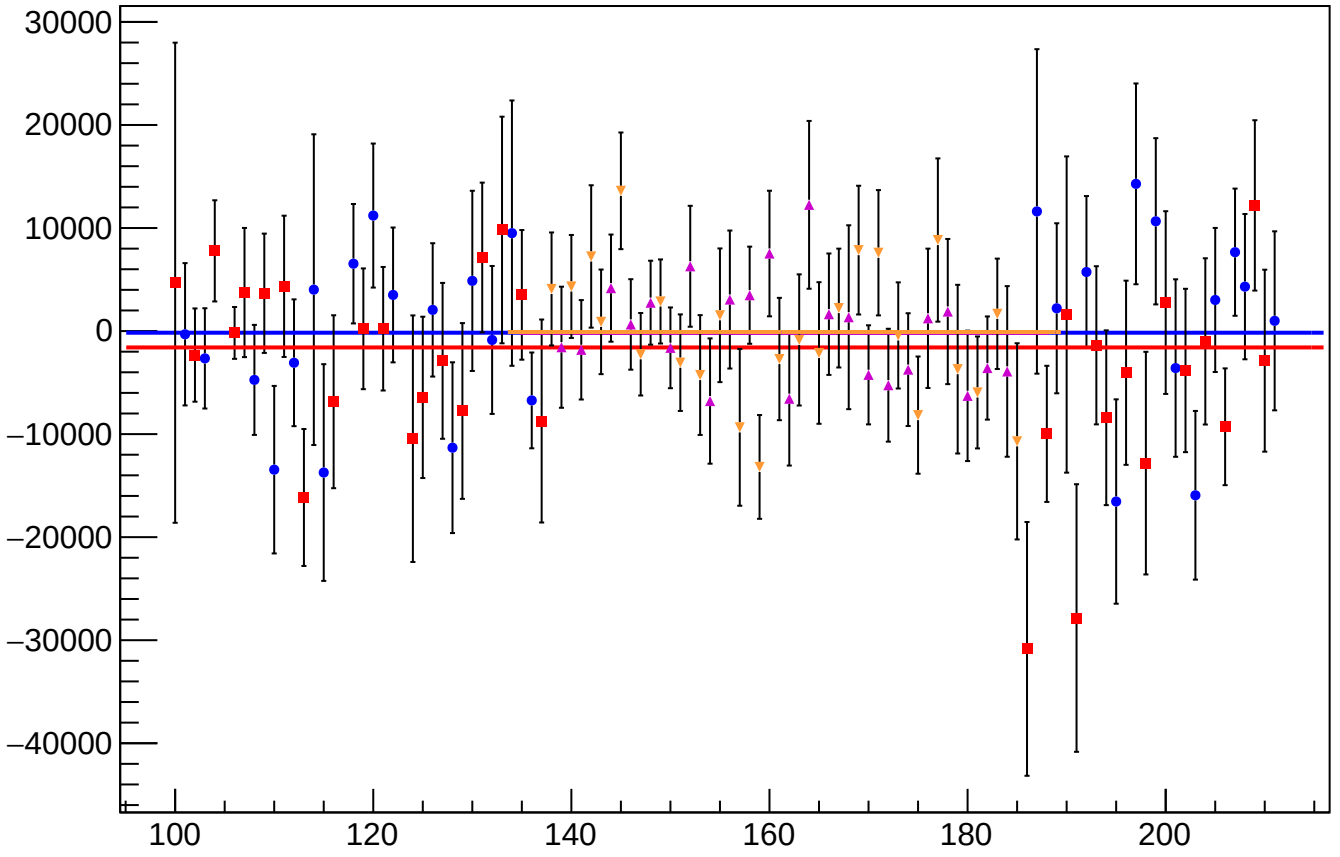
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1984.417+/-0.242 χ^2/NDF: 1128368.2/60

In: 1926.111+/-0.232 χ^2/NDF:760751.2/50

Out: 1931.577+/-0.225 χ^2/NDF:513927.7/57

All: 1928.920+/-0.161 χ^2/NDF: 1274965.3/10



Right In: -160.718+/-1371.225 χ^2/NDF: 28.9/27

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1589.191+/-1168.783 χ^2/NDF: 35.1/32

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

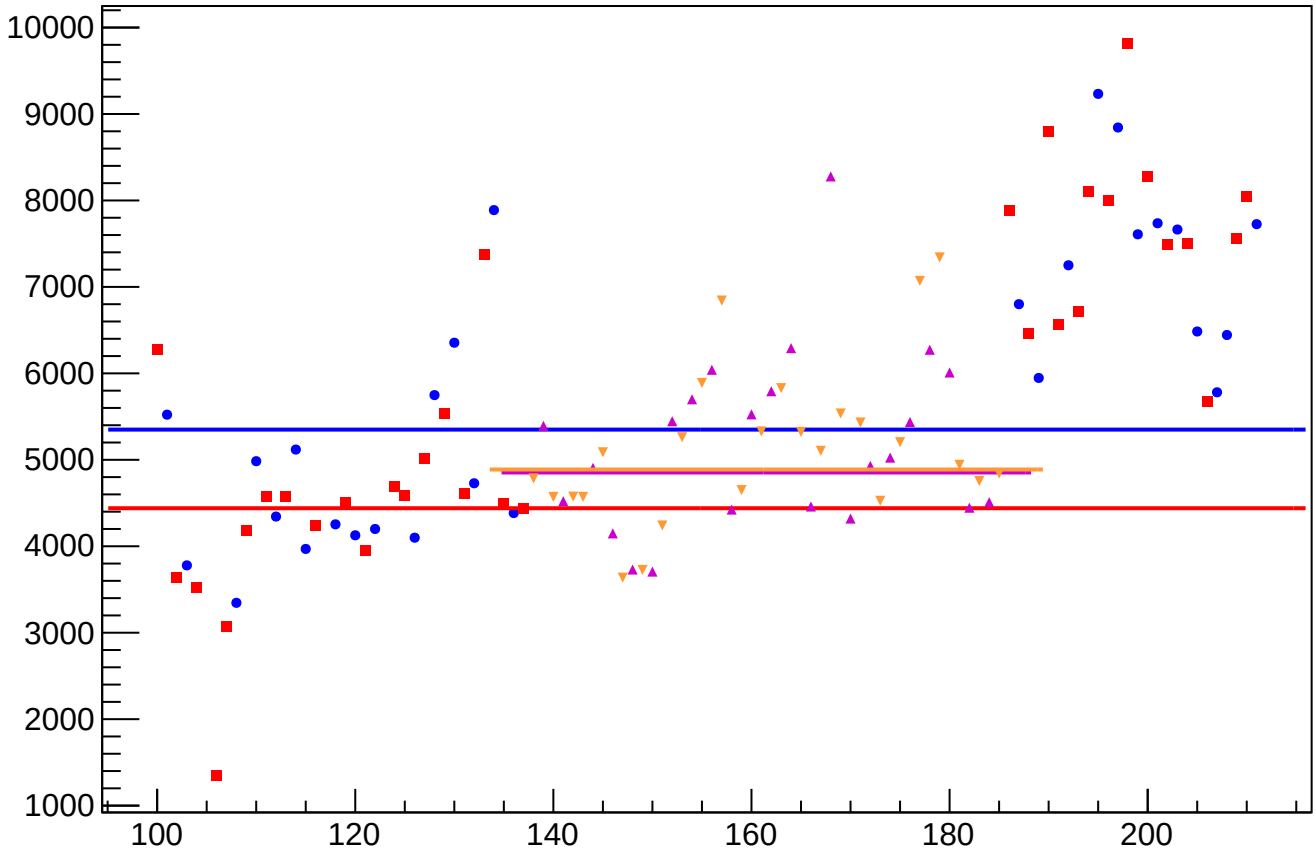
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -988.087+/-889.503 χ^2/NDF: 64.6/60

In: -170.315+/-883.856 χ^2/NDF:42.4/50

Out: -817.423+/-813.595 χ^2/NDF:64.0/57

All: -520.609+/-598.599 χ^2/NDF: 106.7/108



Right In: 5349.559+/-0.970 χ^2/NDF: 2518007.3/27

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4440.008+/-0.826 χ^2/NDF: 7069771.7/32

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

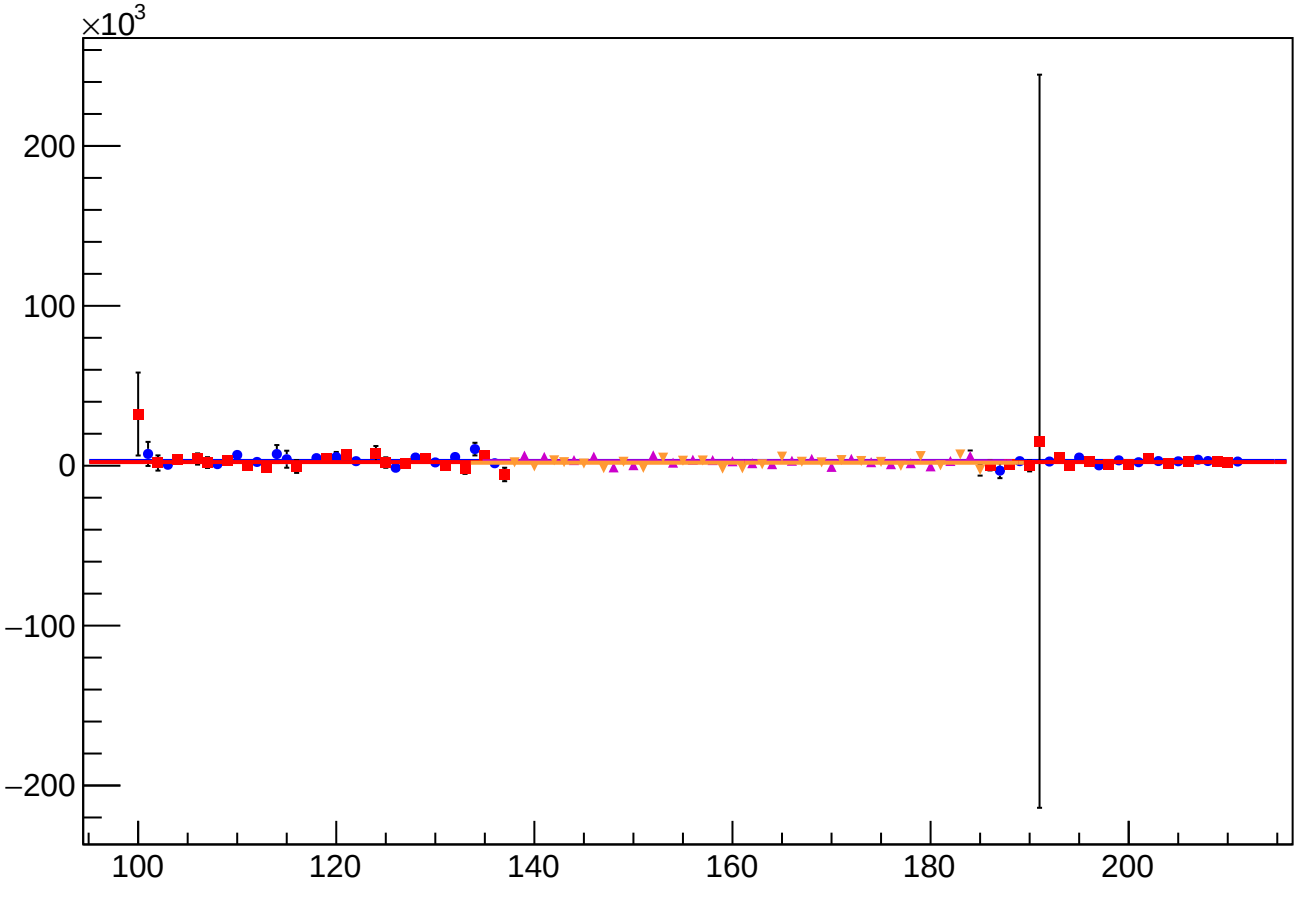
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4822.749+/-0.629 χ^2/NDF: 10097454.6/60

In: 5059.521+/-0.625 χ^2/NDF:3849725.1/50

Out: 4670.829+/-0.575 χ^2/NDF:8284404.2/57

All: 4849.114+/-0.423 χ^2/NDF: 12343507.7/1



Right In: 2991.763+/-491.455 χ^2/NDF: 16.7/27

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2277.144+/-475.479 χ^2/NDF: 23.5/32

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

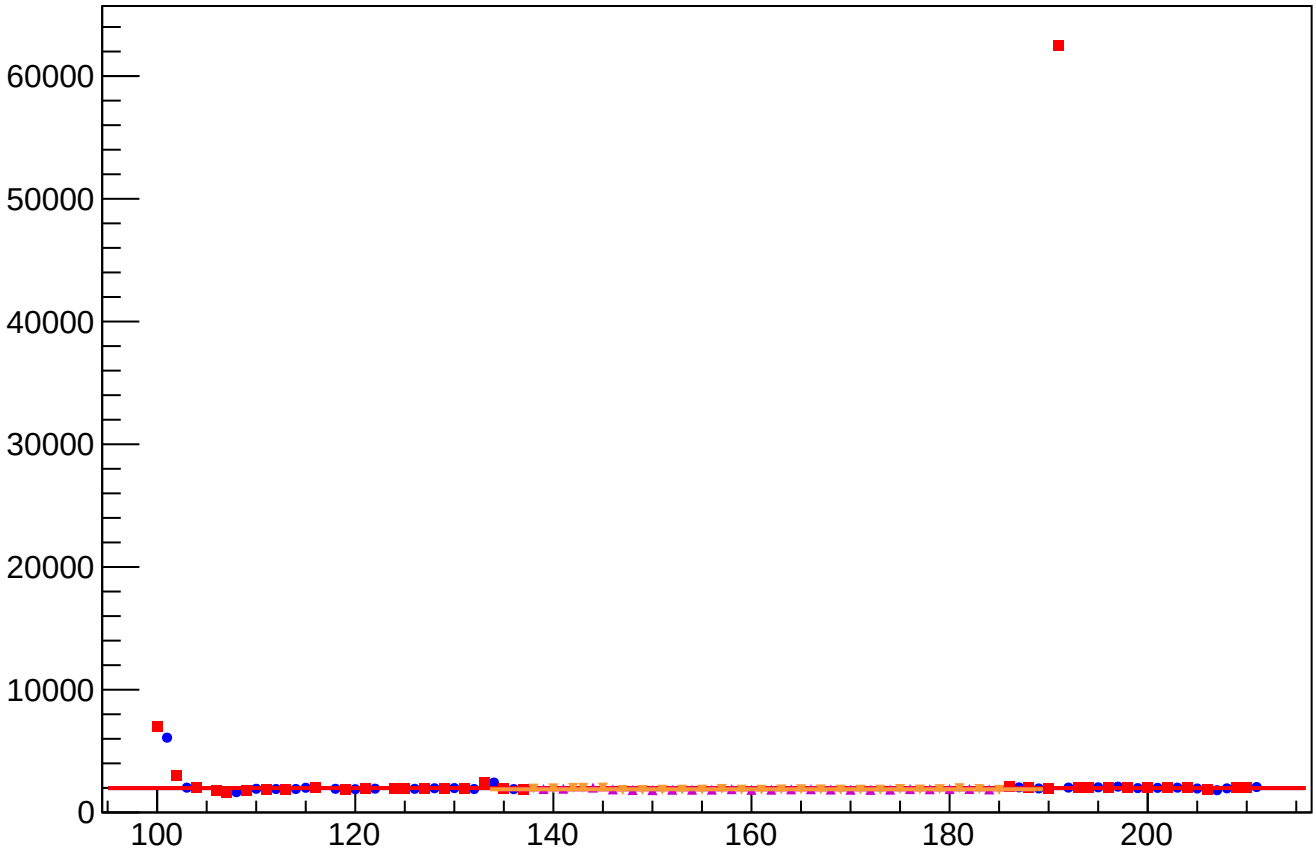
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2622.650+/-341.723 χ^2/NDF: 41.3/60

In: 2884.285+/-327.497 χ^2/NDF:42.2/50

Out: 2058.717+/-318.509 χ^2/NDF:56.8/57

All: 2460.016+/-228.331 χ^2/NDF: 102.3/108



Right In: 1983.117+/-0.348 χ^2/NDF: 693308.3/27

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1985.632+/-0.336 χ^2/NDF: 435032.5/32

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

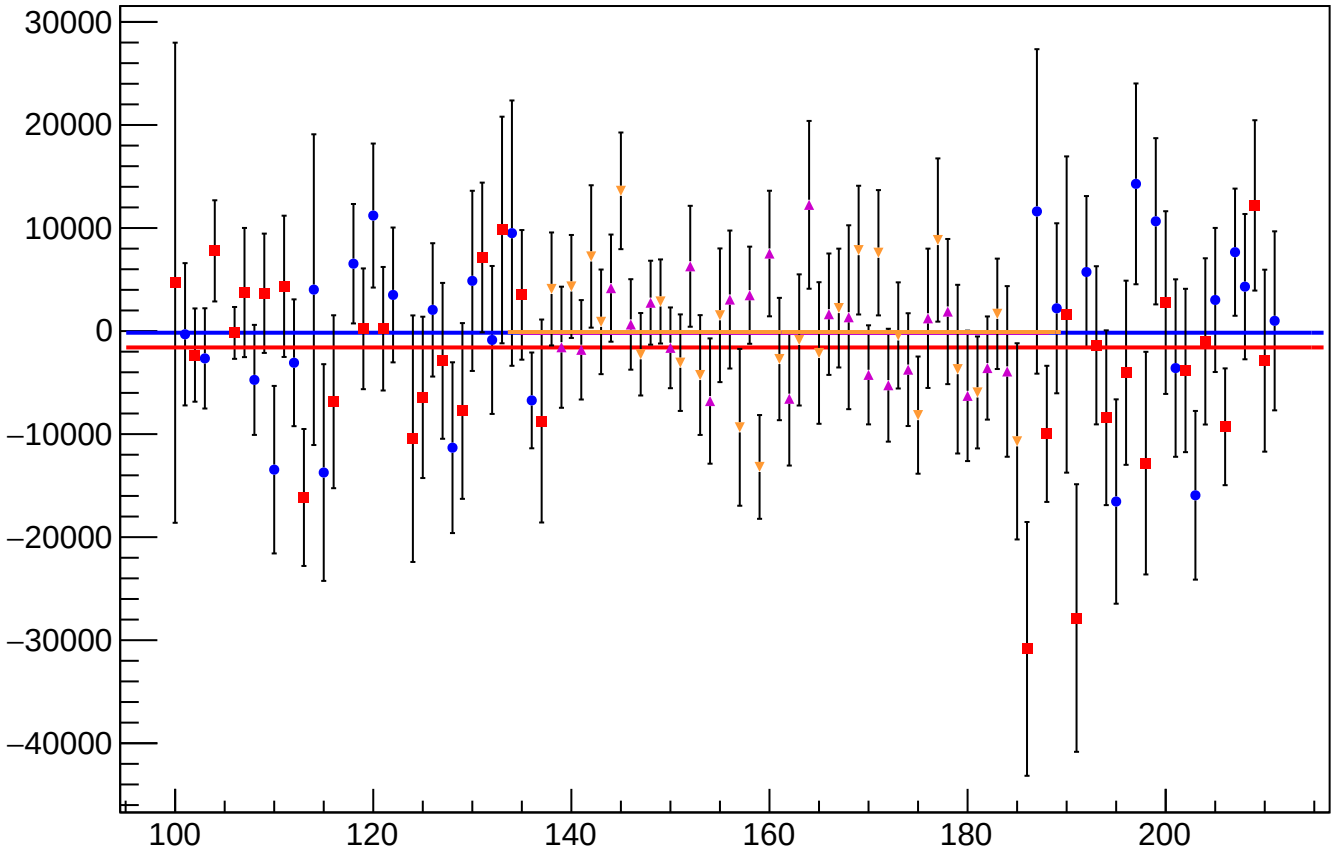
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1984.417+/-0.242 χ^2/NDF: 1128367.9/60

In: 1926.111+/-0.232 χ^2/NDF:760750.5/50

Out: 1931.577+/-0.225 χ^2/NDF:513926.5/57

All: 1928.921+/-0.161 χ^2/NDF: 1274963.4/10



Right In: -160.710+/-1371.224 χ^2/NDF: 28.9/27

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1589.188+/-1168.782 χ^2/NDF: 35.1/32

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

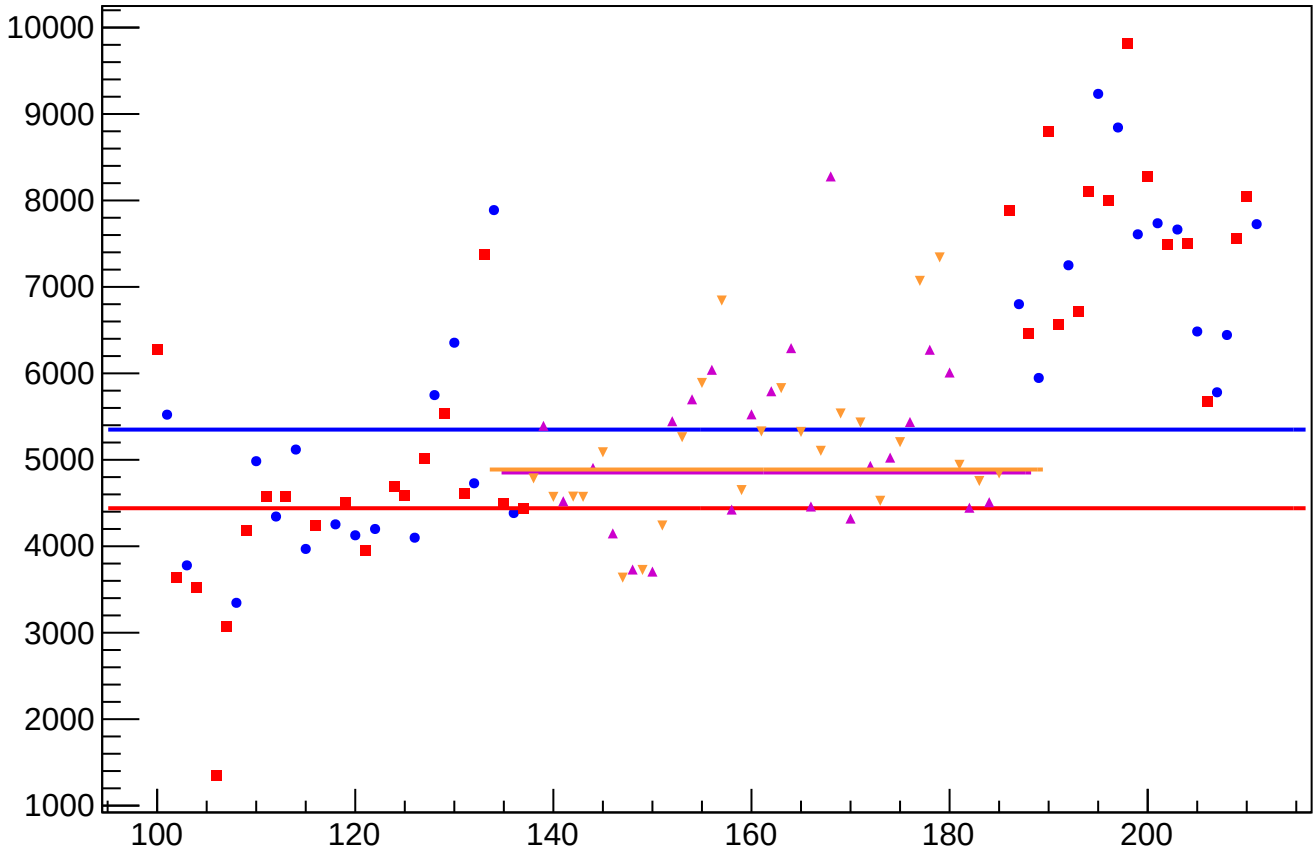
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -988.082+/-889.502 χ^2/NDF: 64.6/60

In: -170.313+/-883.857 χ^2/NDF:42.4/50

Out: -817.425+/-813.595 χ^2/NDF:64.0/57

All: -520.609+/-598.599 χ^2/NDF: 106.7/108



Right In: 5349.554+/-0.970 χ^2/NDF: 2518027.8/27

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4439.999+/-0.826 χ^2/NDF: 7069812.3/32

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

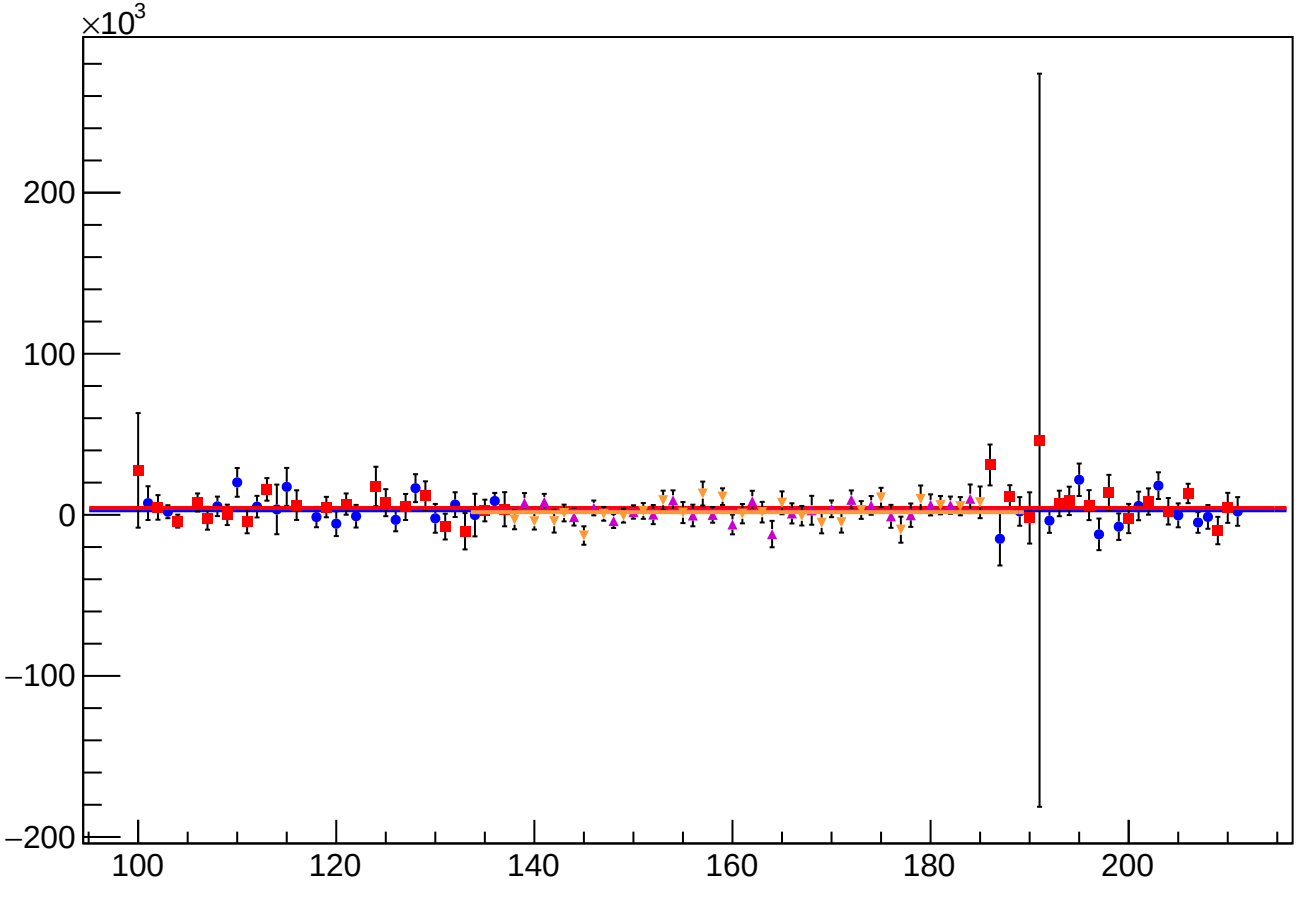
Right: 4822.741+/-0.629 χ^2/NDF: 10097521.2/60

In: 5059.523+/-0.625 χ^2/NDF:3849740.6/50

Out: 4670.828+/-0.575 χ^2/NDF:8284457.4/57

All: 4849.114+/-0.423 χ^2/NDF: 12343580.2/

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2835.514+/-1436.448 χ^2/NDF: 27.5/27

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4225.160+/-1370.359 χ^2/NDF: 28.9/32

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

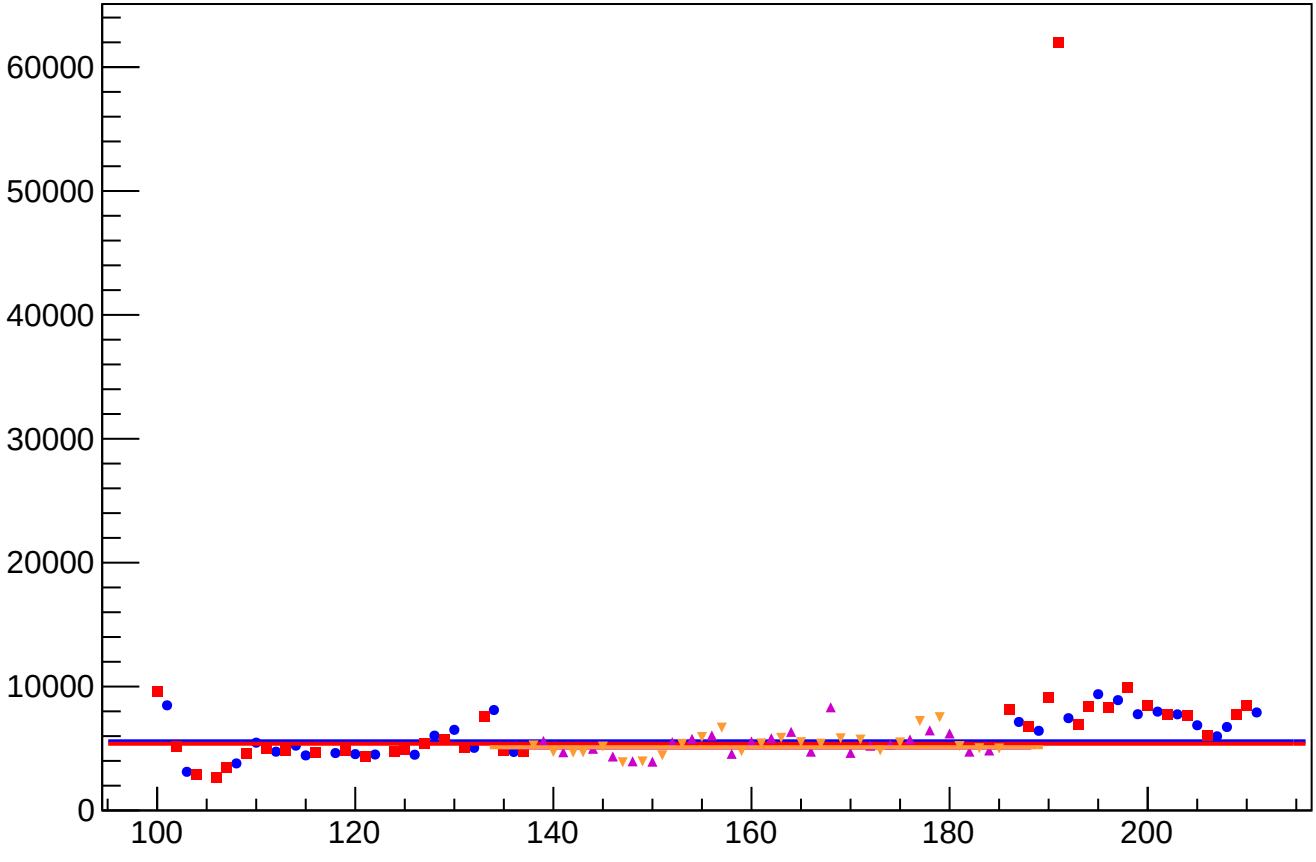
Right: 3563.040+/-991.531 χ^2/NDF: 56.8/60

In: 2675.855+/-922.938 χ^2/NDF:43.4/50

Out: 2747.649+/-893.590 χ^2/NDF:56.9/57

All: 2712.911+/-641.988 χ^2/NDF: 100.3/108

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5581.183+/-1.016 χ^2/NDF: 2822323.1/27

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5384.071+/-0.963 χ^2/NDF: 3981181.8/32

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

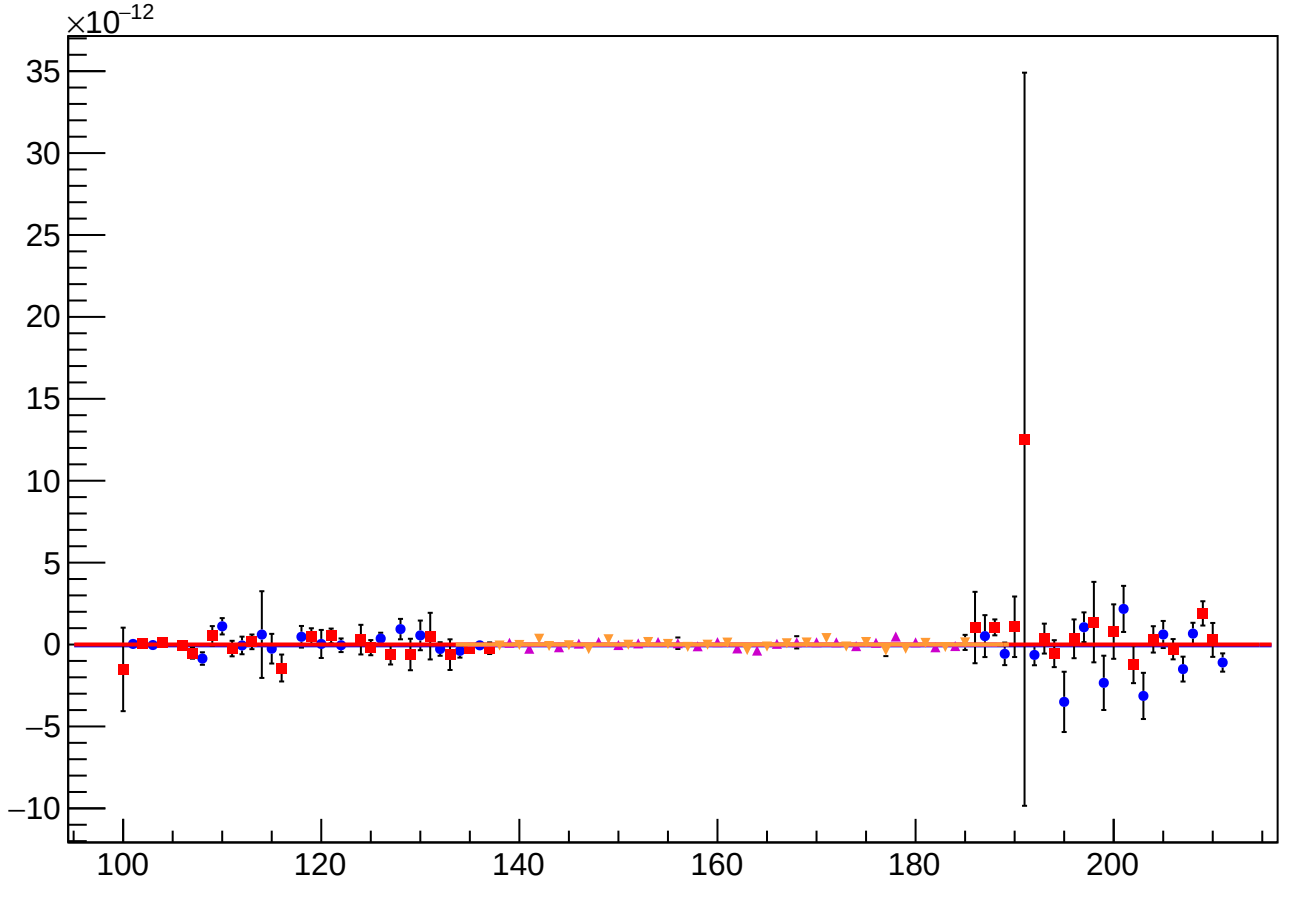
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5477.412+/-0.699 χ^2/NDF: 6823331.0/60

In: 5283.109+/-0.653 χ^2/NDF:3960904.6/50

Out: 5221.972+/-0.630 χ^2/NDF:4940020.2/57

All: 5251.477+/-0.453 χ^2/NDF: 8905465.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/32

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

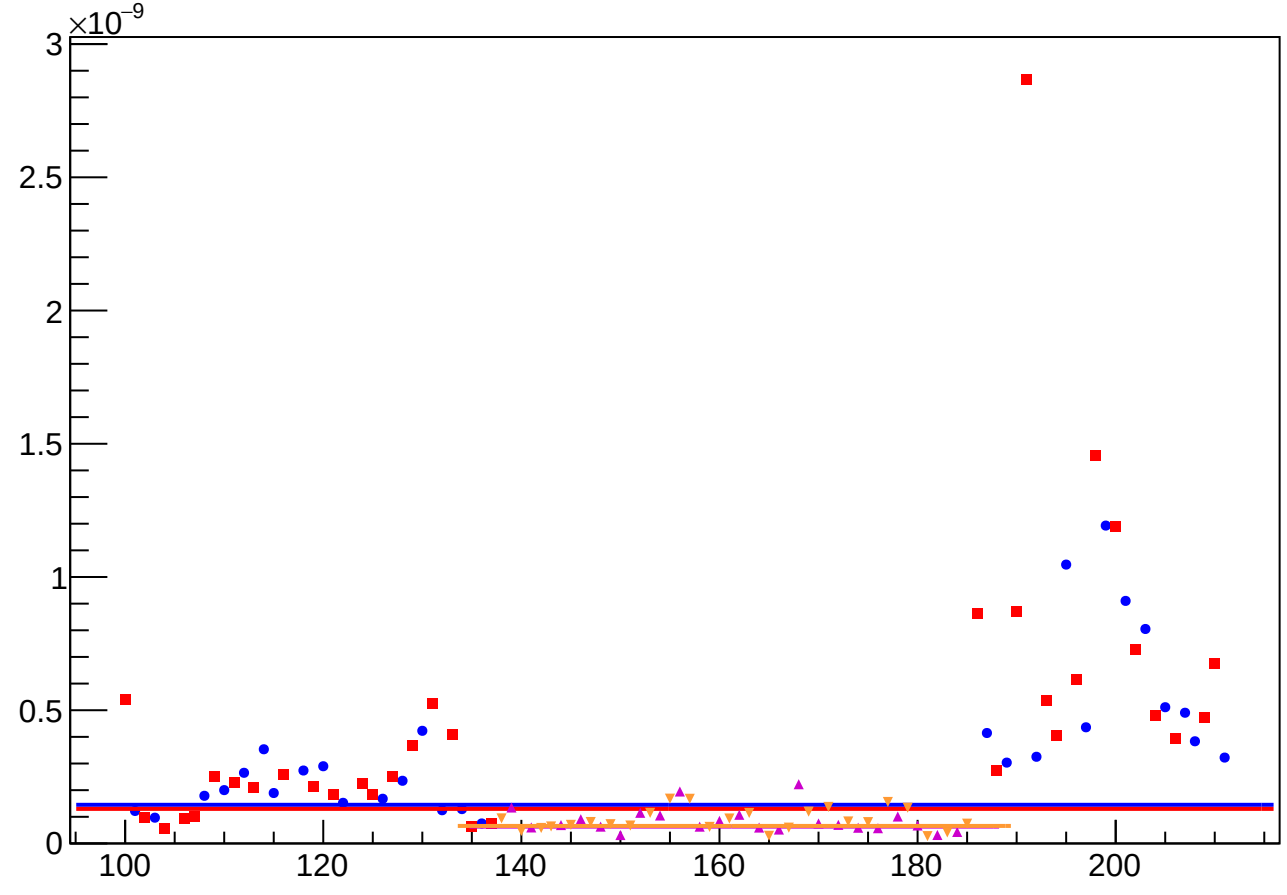
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 71.4/60

In: -0.000+/-0.000 χ^2/NDF:73.5/50

Out: 0.000+/-0.000 χ^2/NDF:63.4/57

All: -0.000+/-0.000 χ^2/NDF: 137.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 5517297.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7548224.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

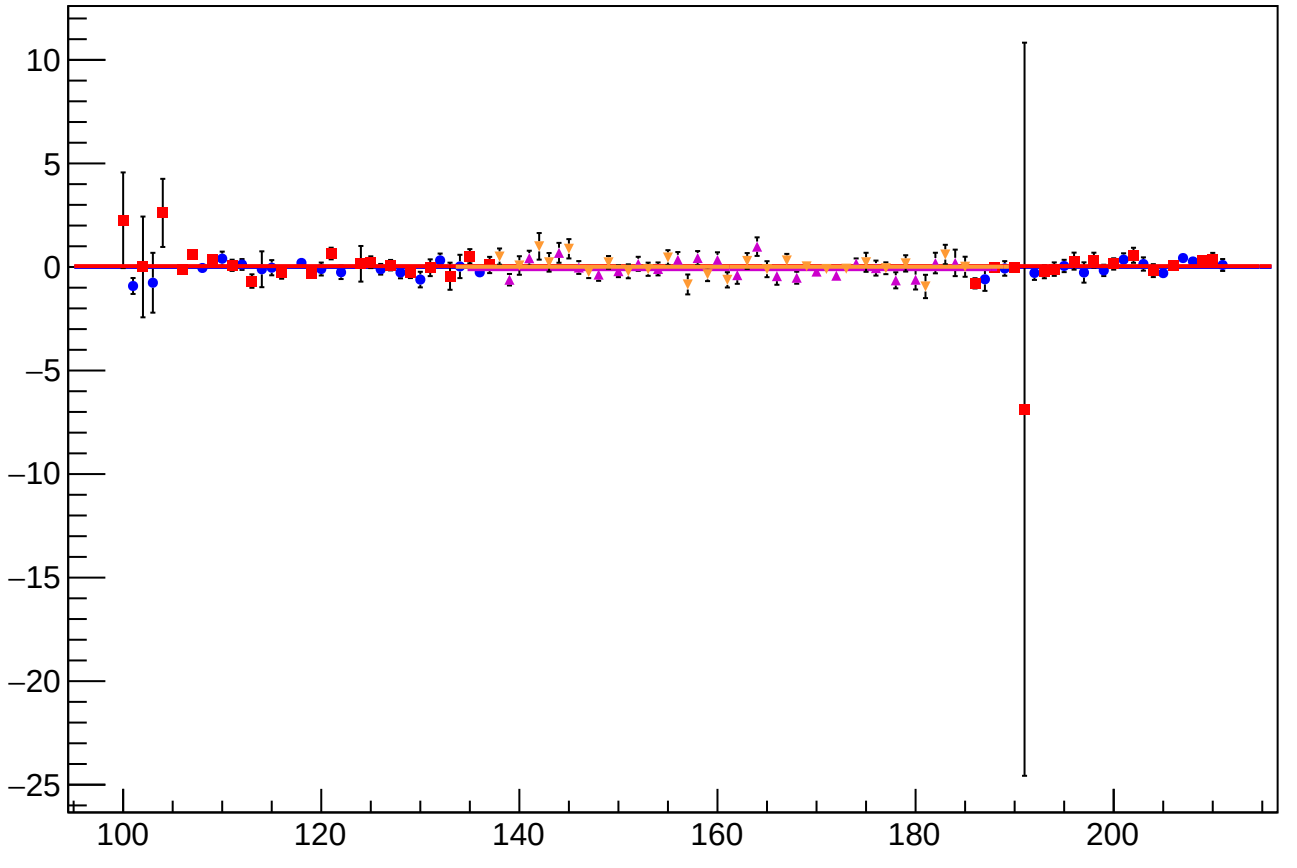
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13112221.0/60

In: 0.000+/-0.000 χ^2/NDF:9967490.7/50

Out: 0.000+/-0.000 χ^2/NDF:11478304.9/57

All: 0.000+/-0.000 χ^2/NDF: 21446725.4/108



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.042+/-0.048 χ^2/NDF: 48.1/32

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

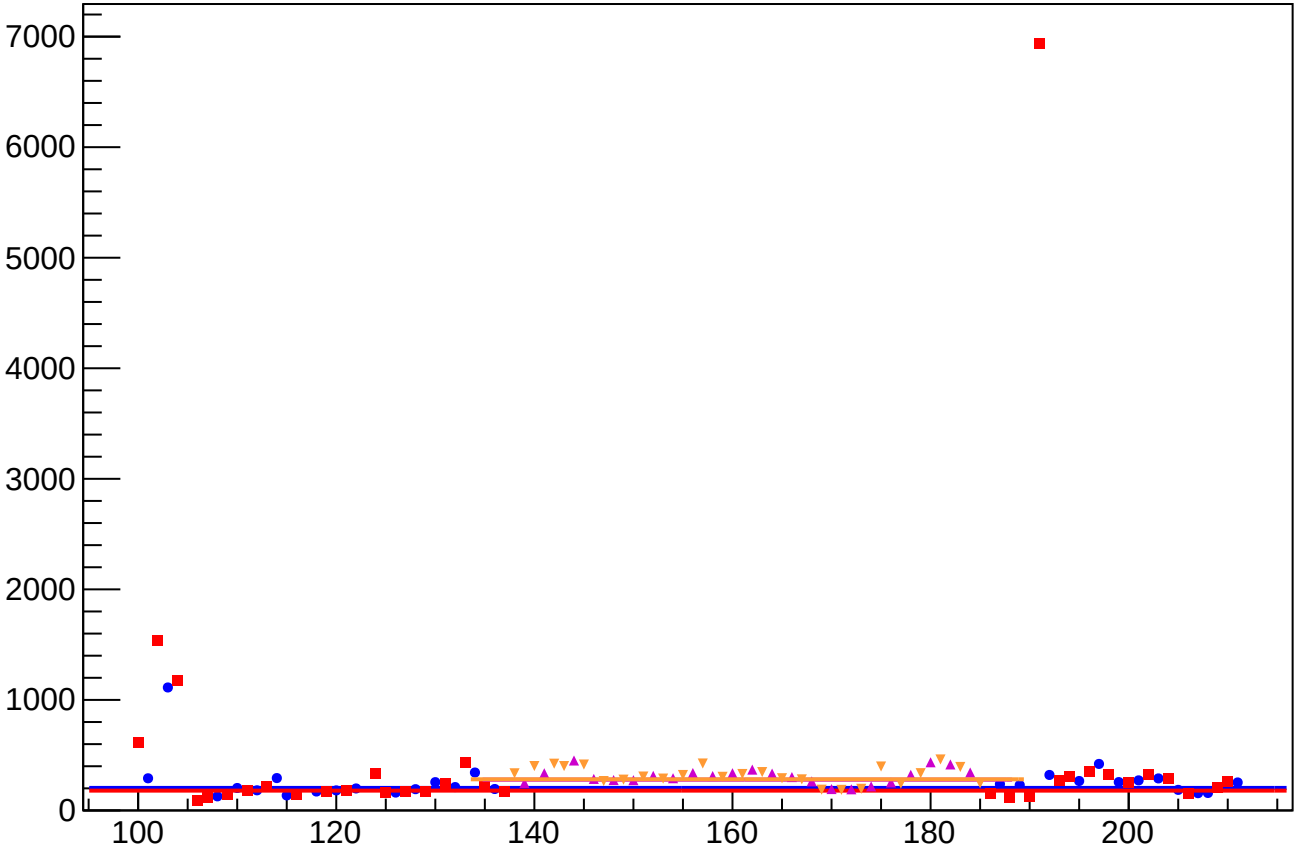
Right: 0.024+/-0.036 χ^2/NDF: 78.0/60

In: -0.040+/-0.043 χ^2/NDF:62.5/50

Out: 0.032+/-0.039 χ^2/NDF:73.5/57

All: -0.001+/-0.029 χ^2/NDF: 137.5/108

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 203.858+/-0.039 χ^2/NDF: 2949611.9/27

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 179.423+/-0.034 χ^2/NDF: 5650497.4/32

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

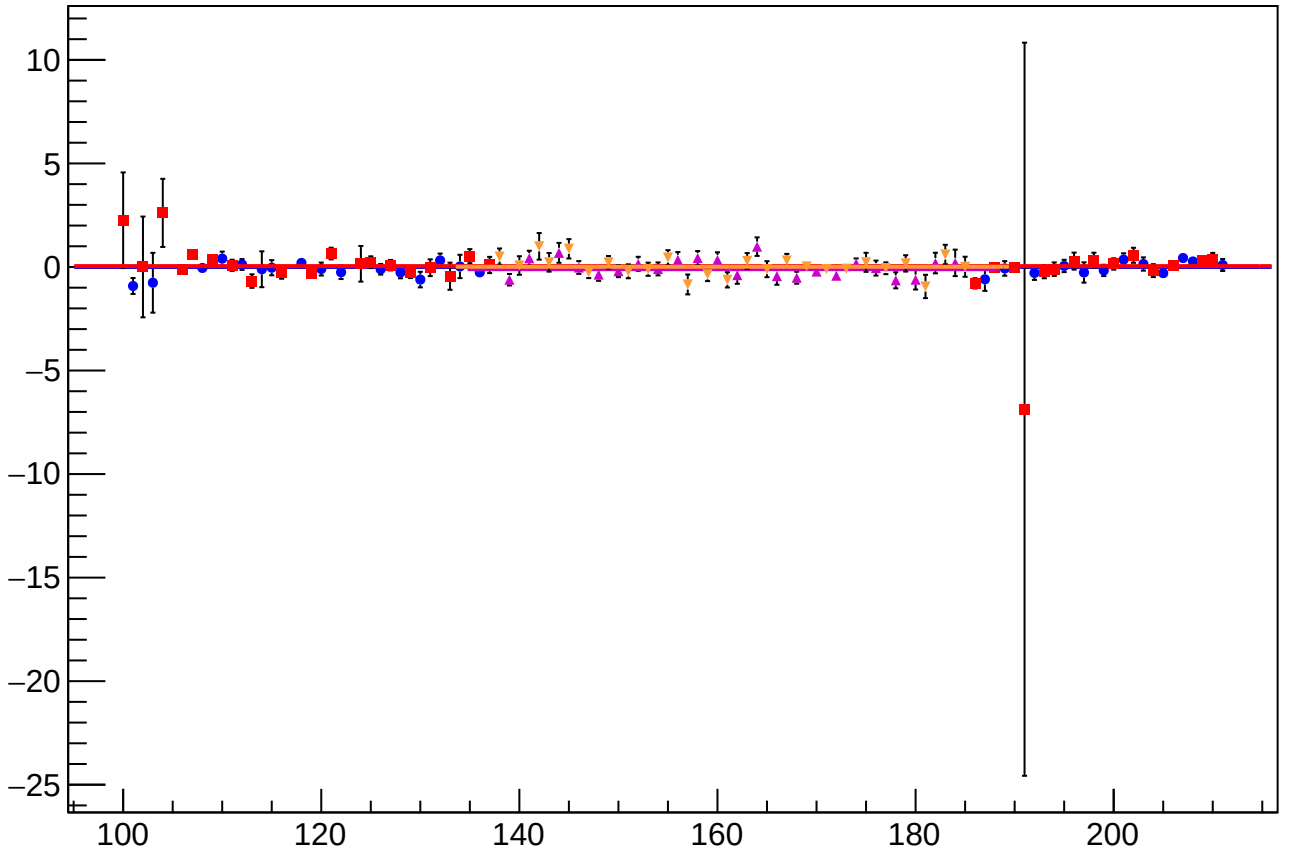
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.190+/-0.026 χ^2/NDF: 8824952.3/60

In: 232.708+/-0.030 χ^2/NDF:6197418.8/50

Out: 213.800+/-0.028 χ^2/NDF:11179589.3/57

All: 222.508+/-0.020 χ^2/NDF: 17588833.6/10



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.042+/-0.048 χ^2/NDF: 48.1/32

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

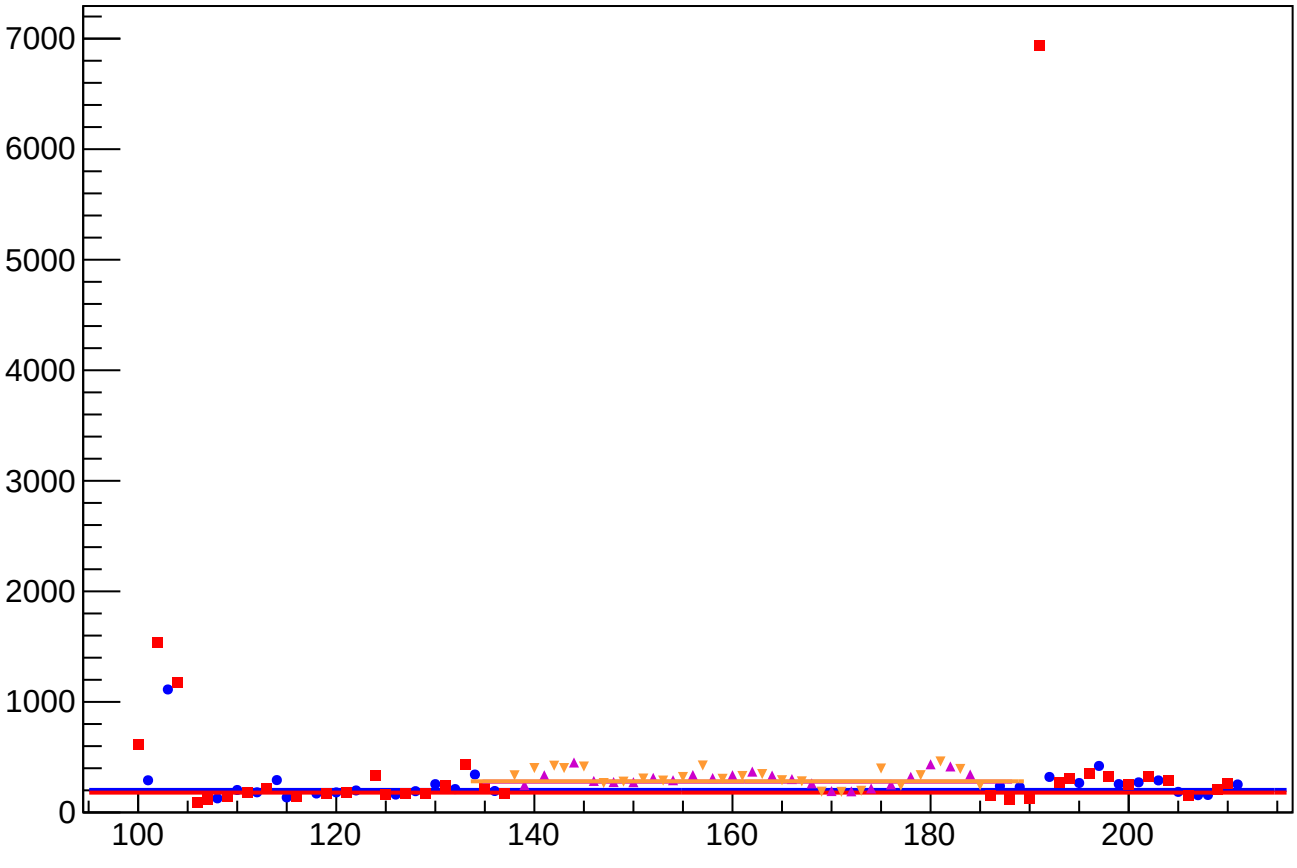
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.024+/-0.036 χ^2/NDF: 78.0/60

In: -0.040+/-0.043 χ^2/NDF:62.5/50

Out: 0.032+/-0.039 χ^2/NDF:73.5/57

All: -0.001+/-0.029 χ^2/NDF: 137.5/108



Right In: 203.858+/-0.039 χ^2/NDF: 2949611.9/27

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 179.423+/-0.034 χ^2/NDF: 5650497.4/32

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

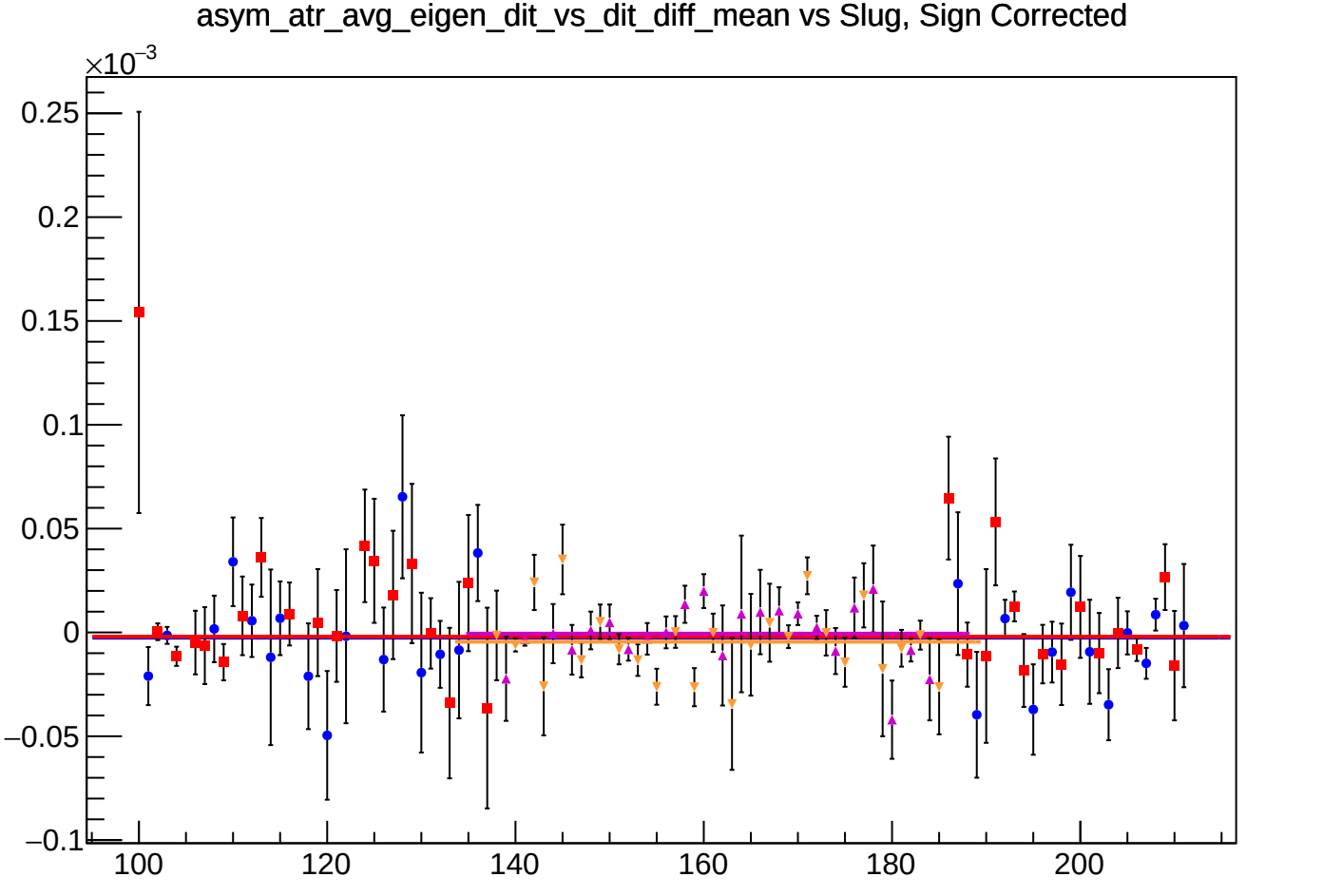
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.190+/-0.026 χ^2/NDF: 8824952.3/60

In: 232.708+/-0.030 χ^2/NDF:6197418.8/50

Out: 213.800+/-0.028 χ^2/NDF:11179589.3/57

All: 222.508+/-0.020 χ^2/NDF: 17588833.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.3/32

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

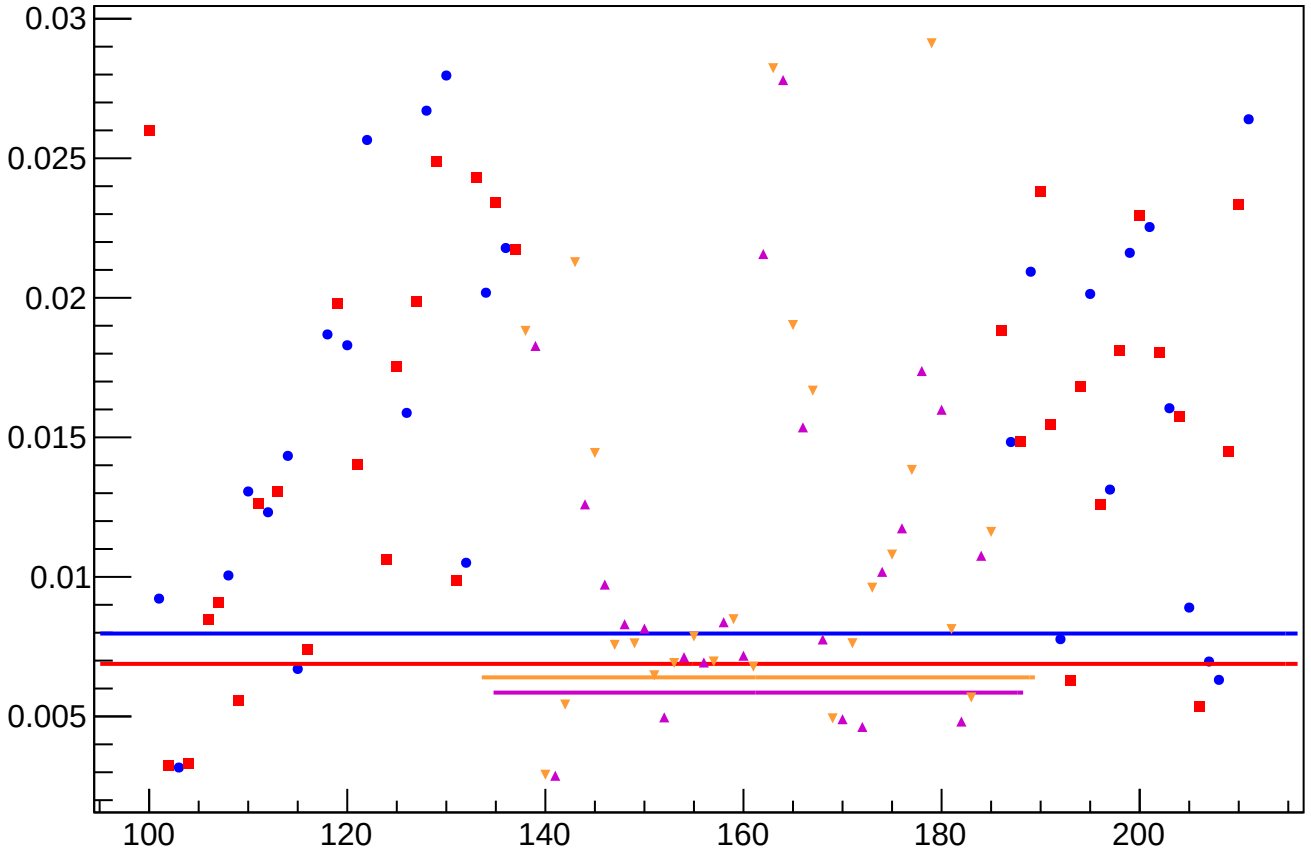
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 71.6/60

In: -0.000+/-0.000 χ^2/NDF:59.8/50

Out: -0.000+/-0.000 χ^2/NDF:88.5/57

All: -0.000+/-0.000 χ^2/NDF: 149.8/108



Right In: 0.008+/-0.000 χ^2/NDF: 10348519.4/27

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 12869025.9/32

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

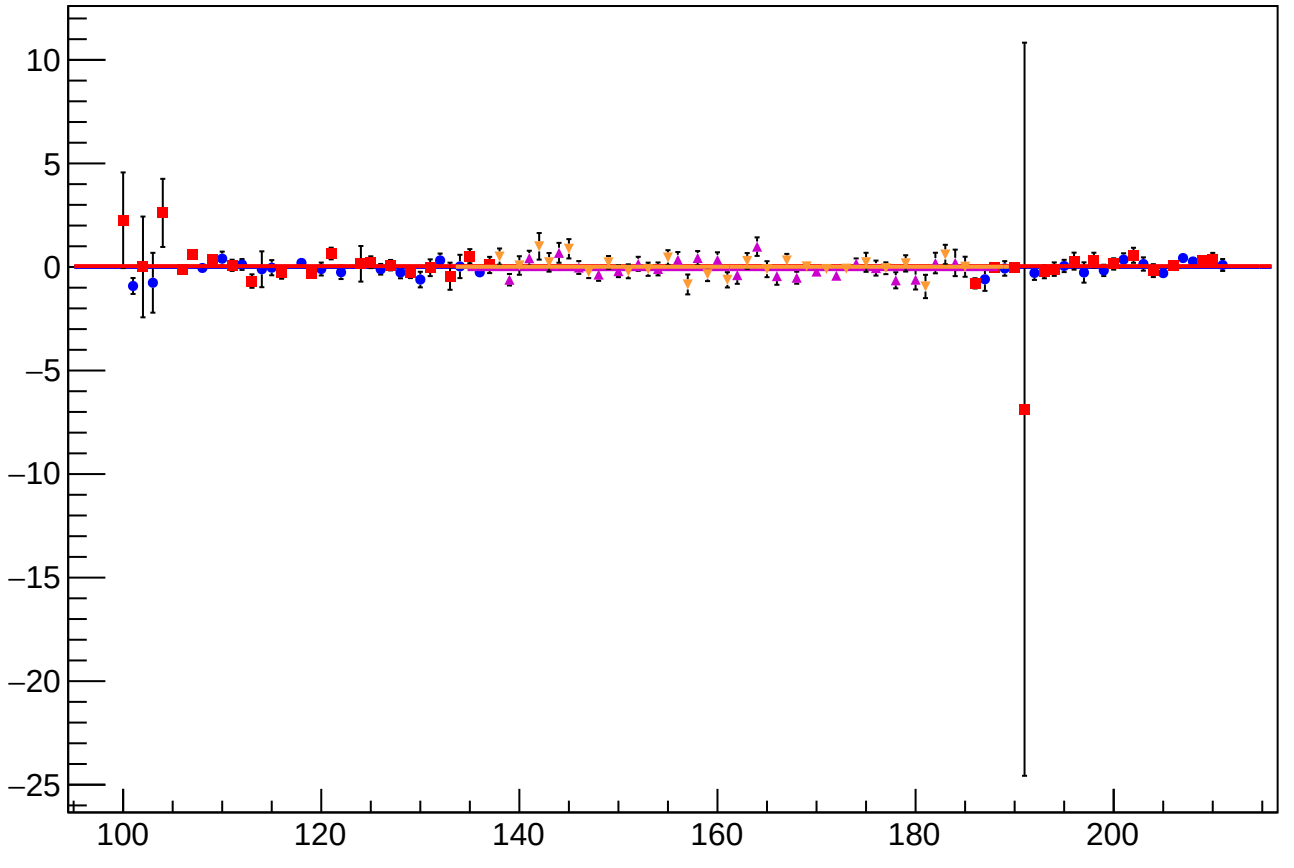
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 23446913.6/60

In: 0.007+/-0.000 χ^2/NDF:19516965.7/50

Out: 0.007+/-0.000 χ^2/NDF:21898287.1/57

All: 0.007+/-0.000 χ^2/NDF: 41420596.5/108



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.042+/-0.048 χ^2/NDF: 48.1/32

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

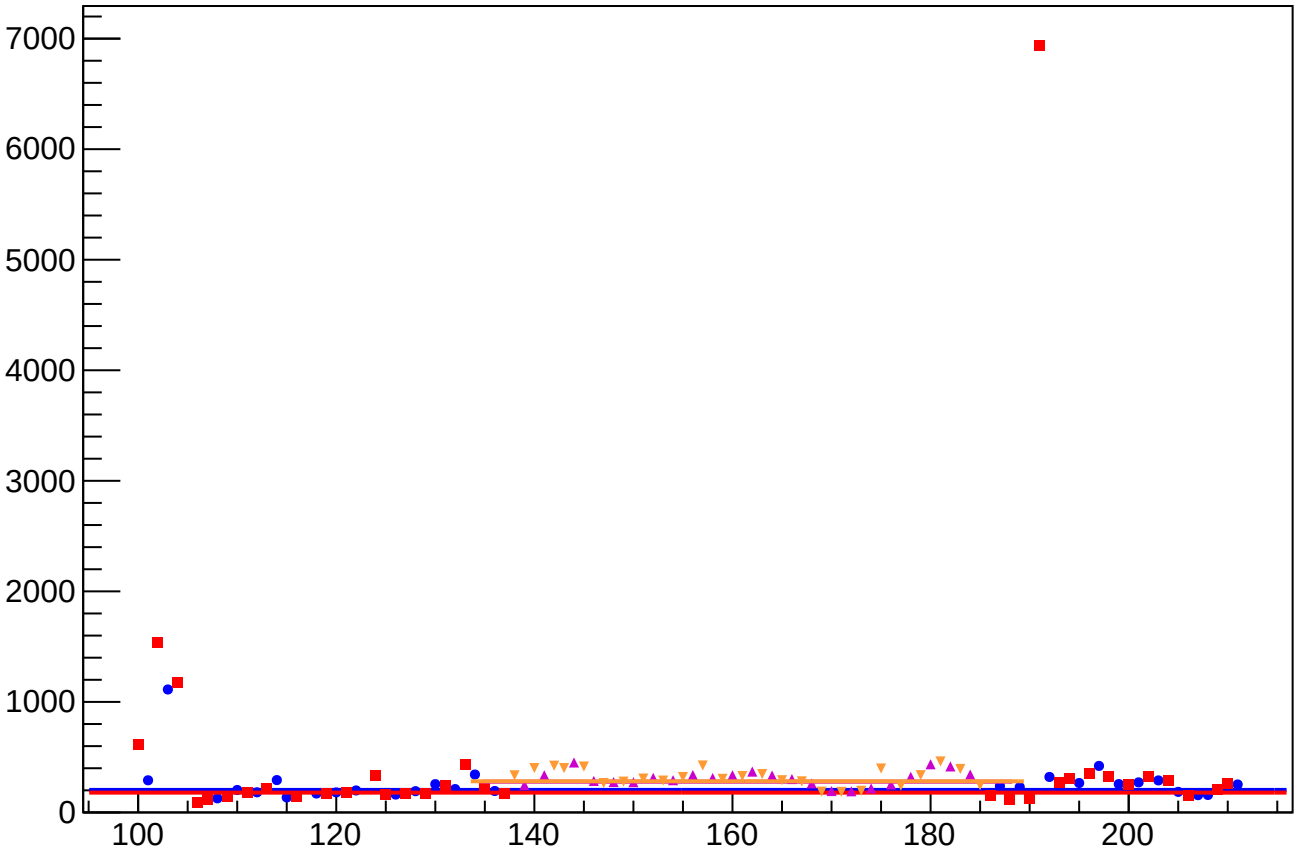
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.024+/-0.036 χ^2/NDF: 78.0/60

In: -0.040+/-0.043 χ^2/NDF:62.5/50

Out: 0.032+/-0.039 χ^2/NDF:73.5/57

All: -0.001+/-0.029 χ^2/NDF: 137.5/108



Right In: 203.858+/-0.039 χ^2/NDF: 2949646.5/27

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 179.420+/-0.034 χ^2/NDF: 5650646.9/32

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

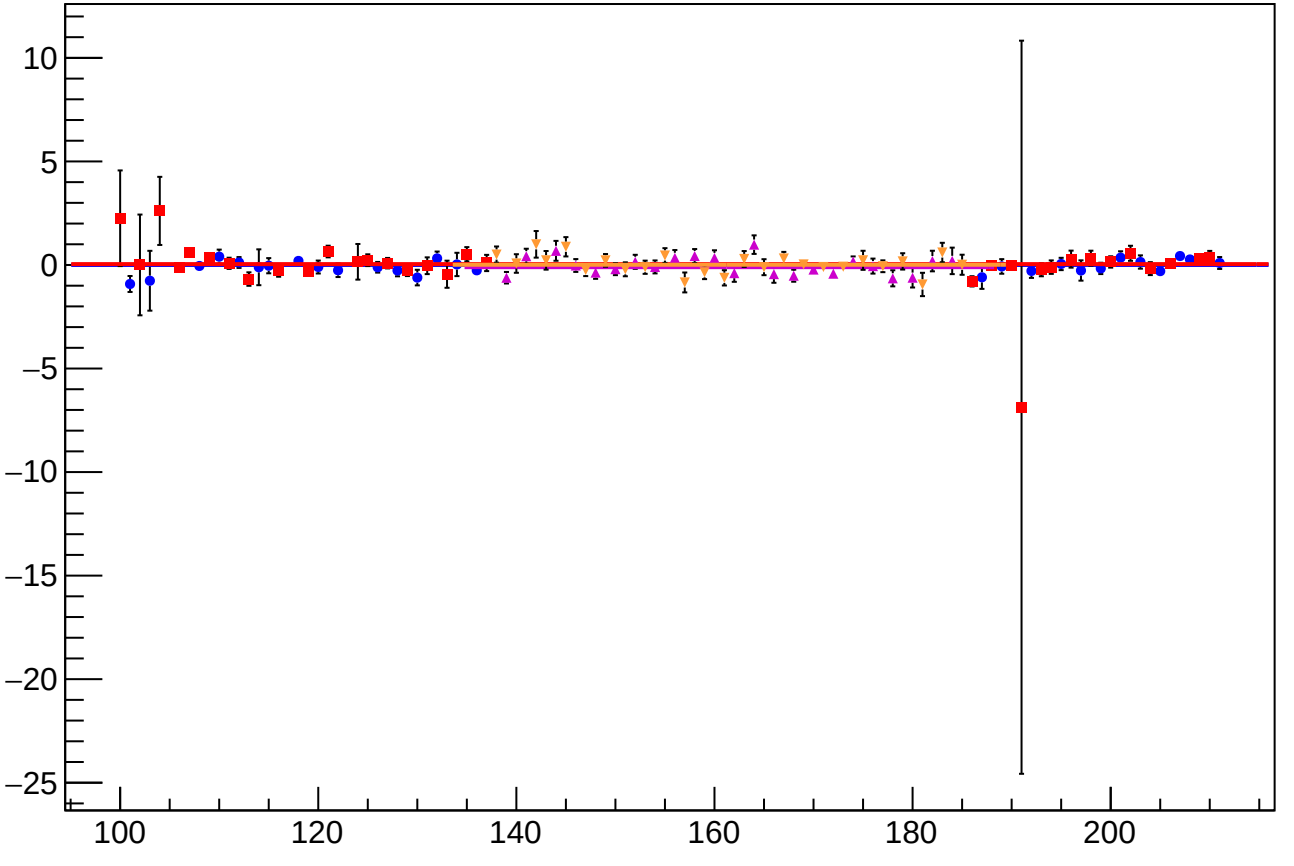
Right: 190.189+/-0.026 χ^2/NDF: 8825188.6/60

In: 232.708+/-0.030 χ^2/NDF:6197581.3/50

Out: 213.798+/-0.028 χ^2/NDF:11180108.4/57

All: 222.507+/-0.020 χ^2/NDF: 17589572.1/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.055 χ^2/NDF: 29.6/27

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.042+/-0.048 χ^2/NDF: 48.1/32

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

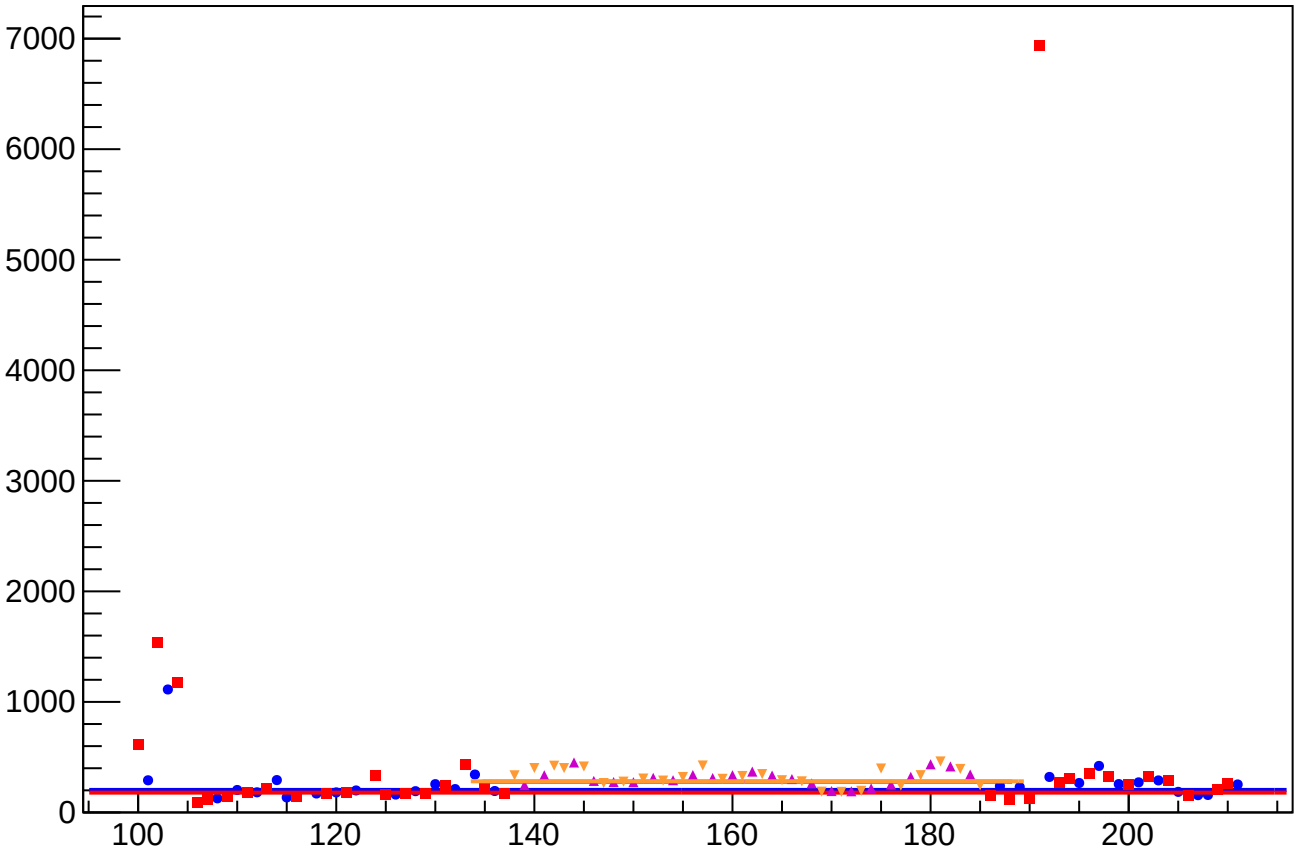
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.024+/-0.036 χ^2/NDF: 78.0/60

In: -0.040+/-0.043 χ^2/NDF:62.5/50

Out: 0.032+/-0.039 χ^2/NDF:73.5/57

All: -0.001+/-0.029 χ^2/NDF: 137.5/108



Right In: 203.858+/-0.039 χ^2/NDF: 2949646.5/27

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 179.420+/-0.034 χ^2/NDF: 5650646.9/32

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

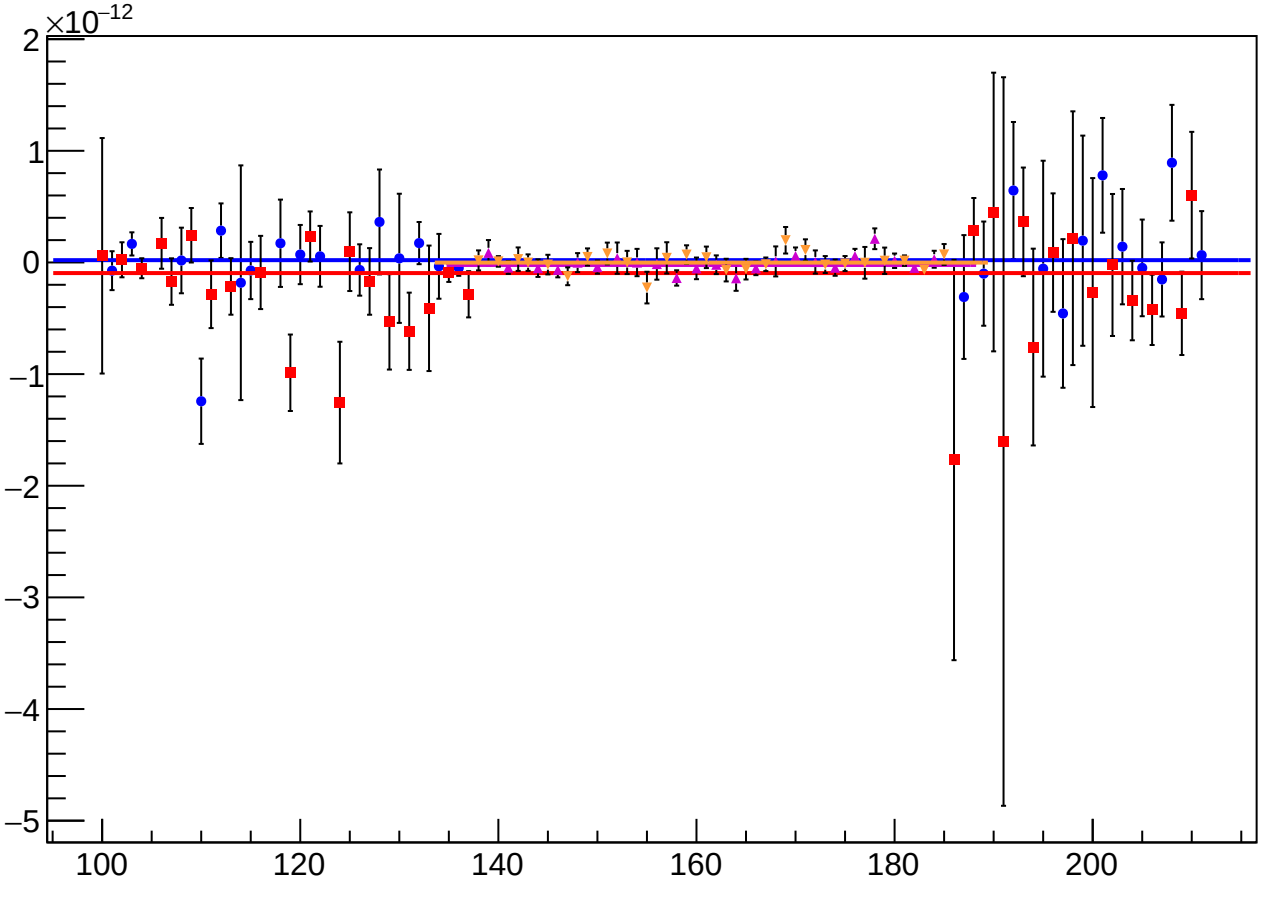
Right: 190.189+/-0.026 χ^2/NDF: 8825188.6/60

In: 232.708+/-0.030 χ^2/NDF:6197581.3/50

Out: 213.798+/-0.028 χ^2/NDF:11180108.4/57

All: 222.507+/-0.020 χ^2/NDF: 17589572.1/10

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/32

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

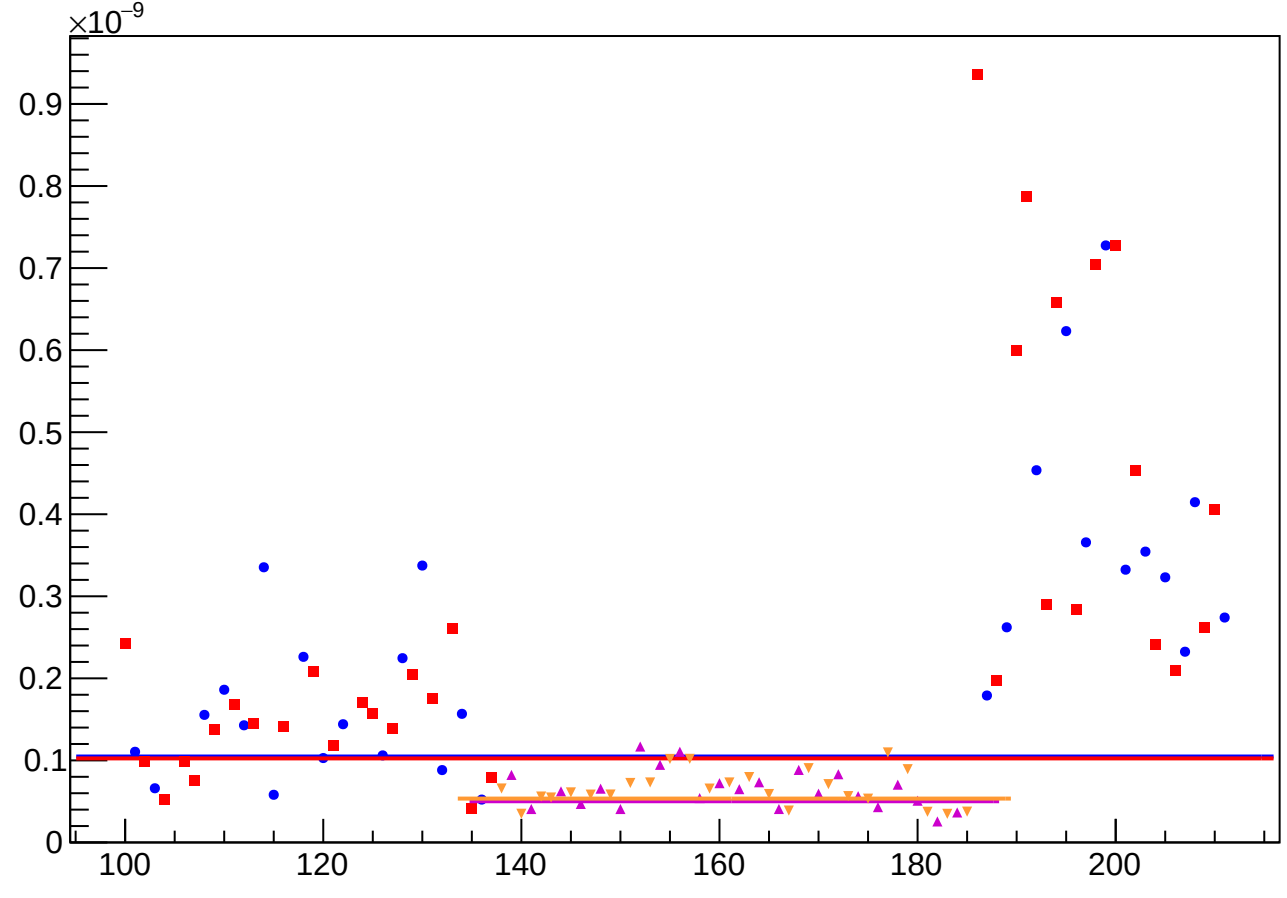
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 60.0/60

In: -0.000+/-0.000 χ^2/NDF:42.2/50

Out: -0.000+/-0.000 χ^2/NDF:51.5/57

All: -0.000+/-0.000 χ^2/NDF: 93.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 7948479.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8443032.0/32

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

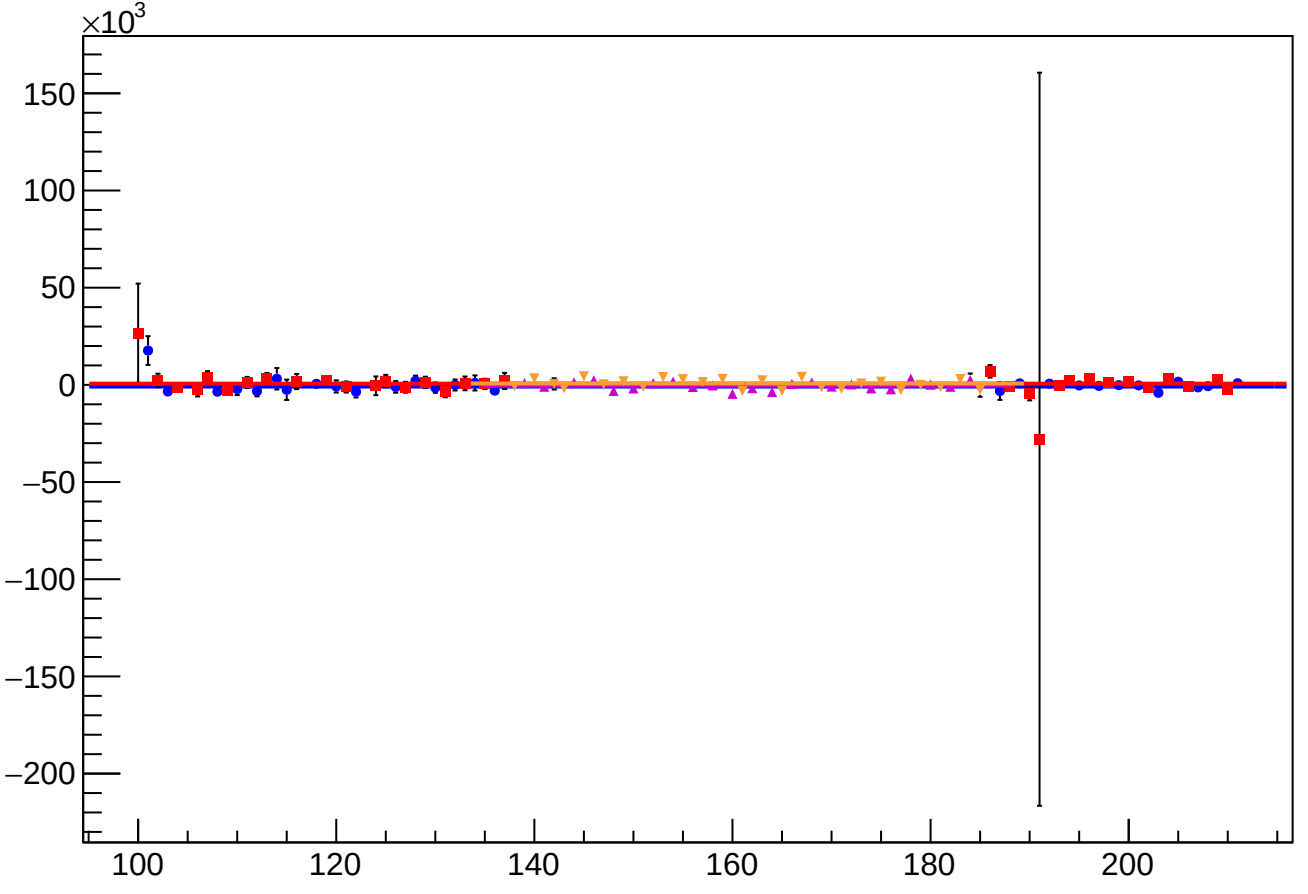
Right: 0.000+/-0.000 χ^2/NDF: 16394375.9/60

In: 0.000+/-0.000 χ^2/NDF:14109916.4/50

Out: 0.000+/-0.000 χ^2/NDF:13564117.8/57

All: 0.000+/-0.000 χ^2/NDF: 27717540.1/108

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -864.356+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 611.539+/-459.485 χ^2/NDF: 25.9/32

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

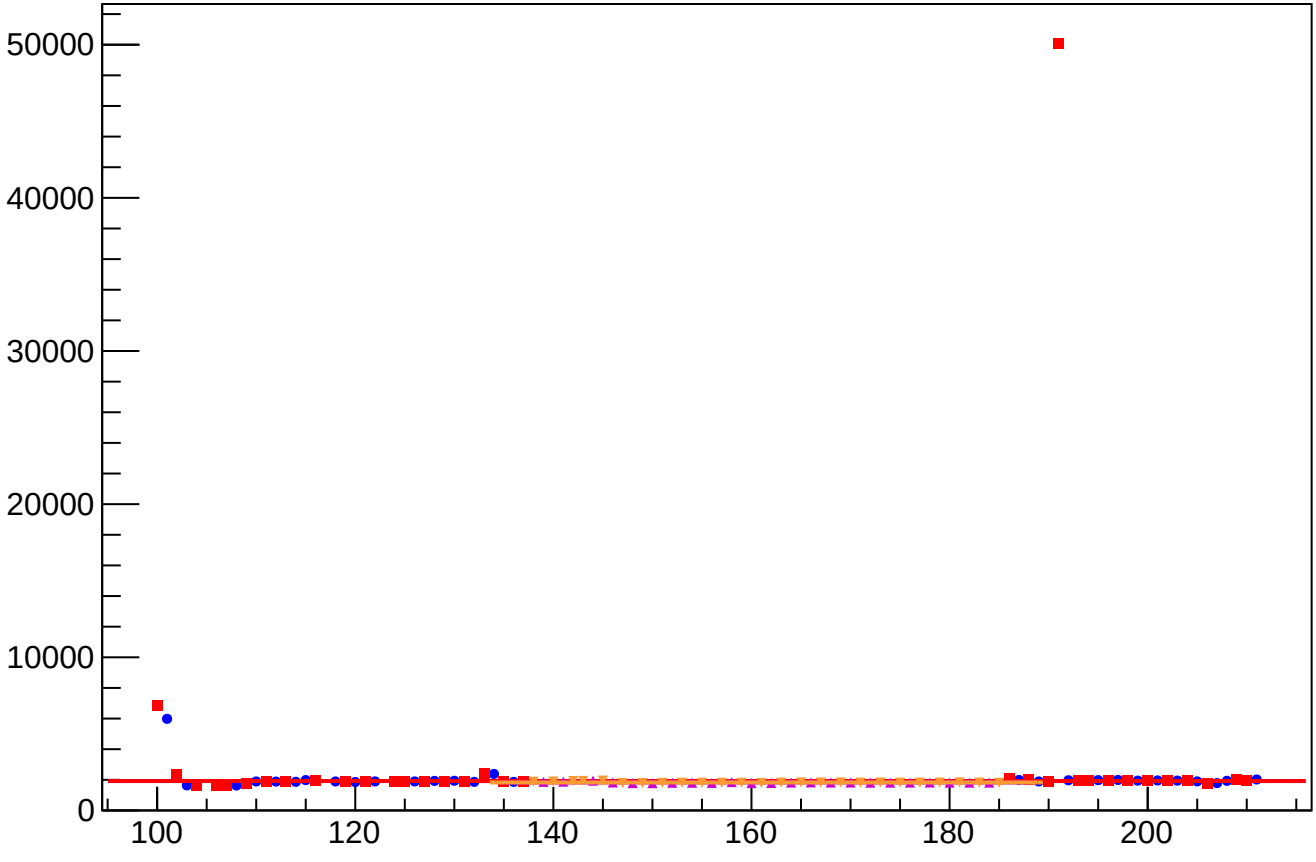
Right: -100.235+/-330.617 χ^2/NDF: 51.0/60

In: -608.338+/-317.551 χ^2/NDF:41.4/50

Out: 663.377+/-308.136 χ^2/NDF:57.9/57

All: 46.653+/-221.139 χ^2/NDF: 107.5/108

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.4/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1921.312+/-0.324 χ^2/NDF: 391058.4/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

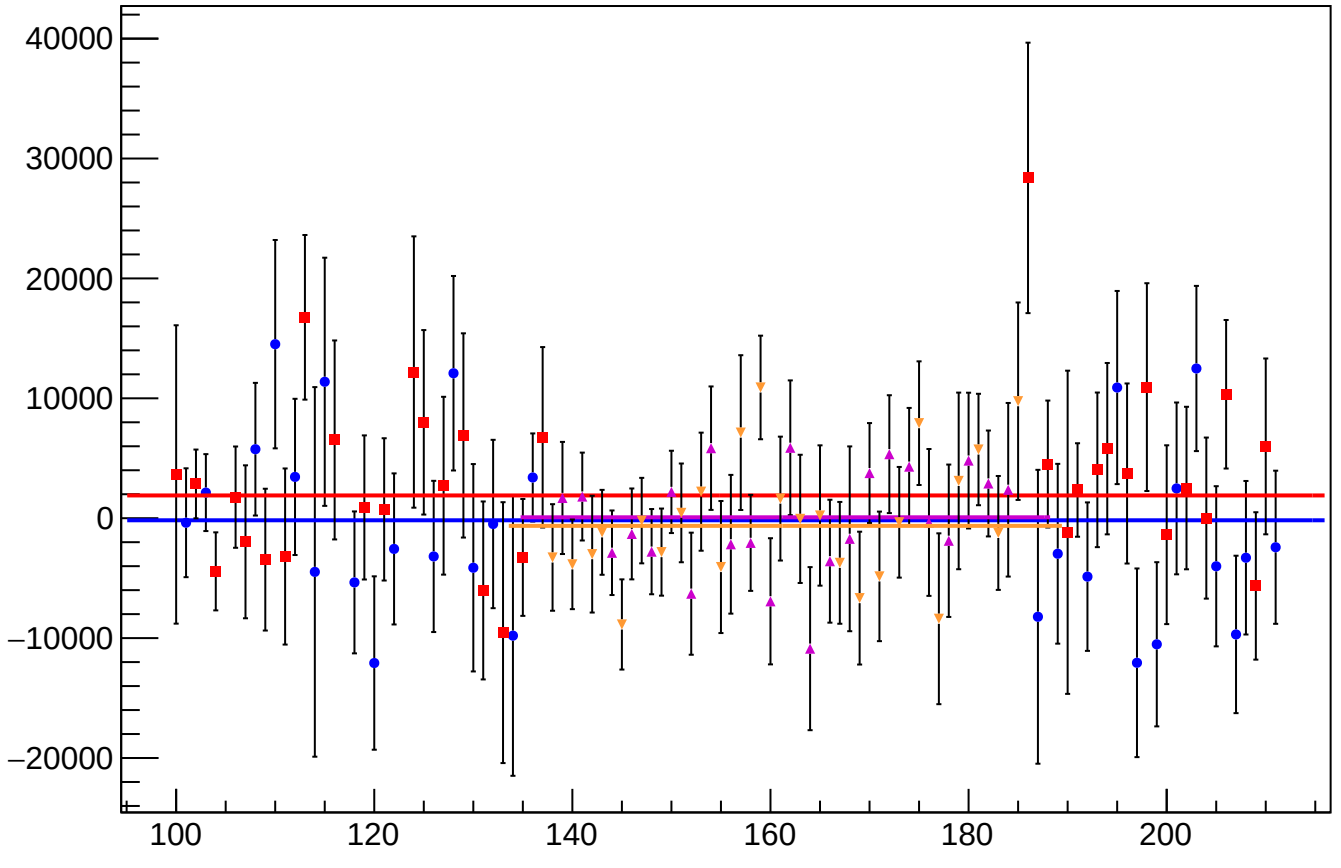
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

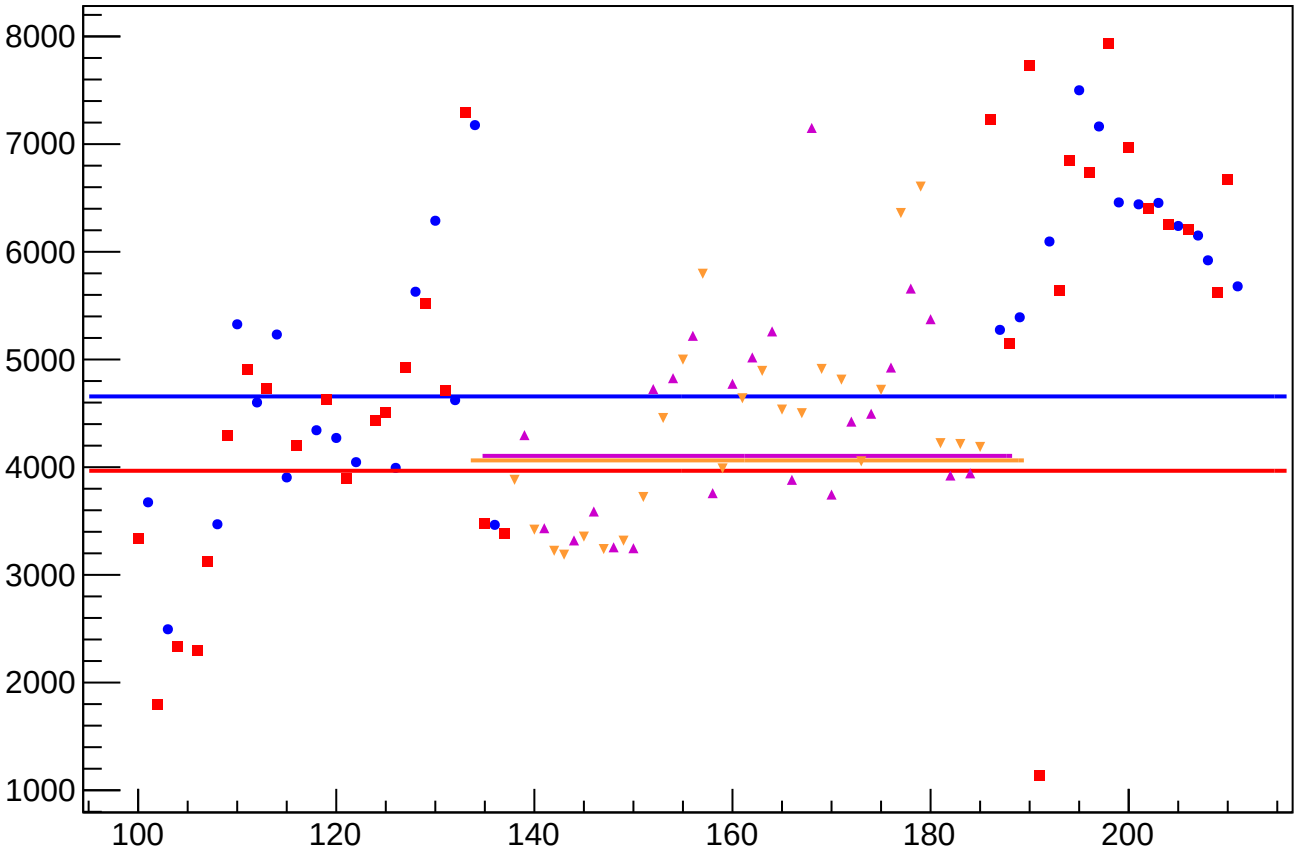
Right: 1920.979+/-0.234 χ^2/NDF: 1111808.1/60

In: 1867.633+/-0.225 χ^2/NDF:778739.2/50

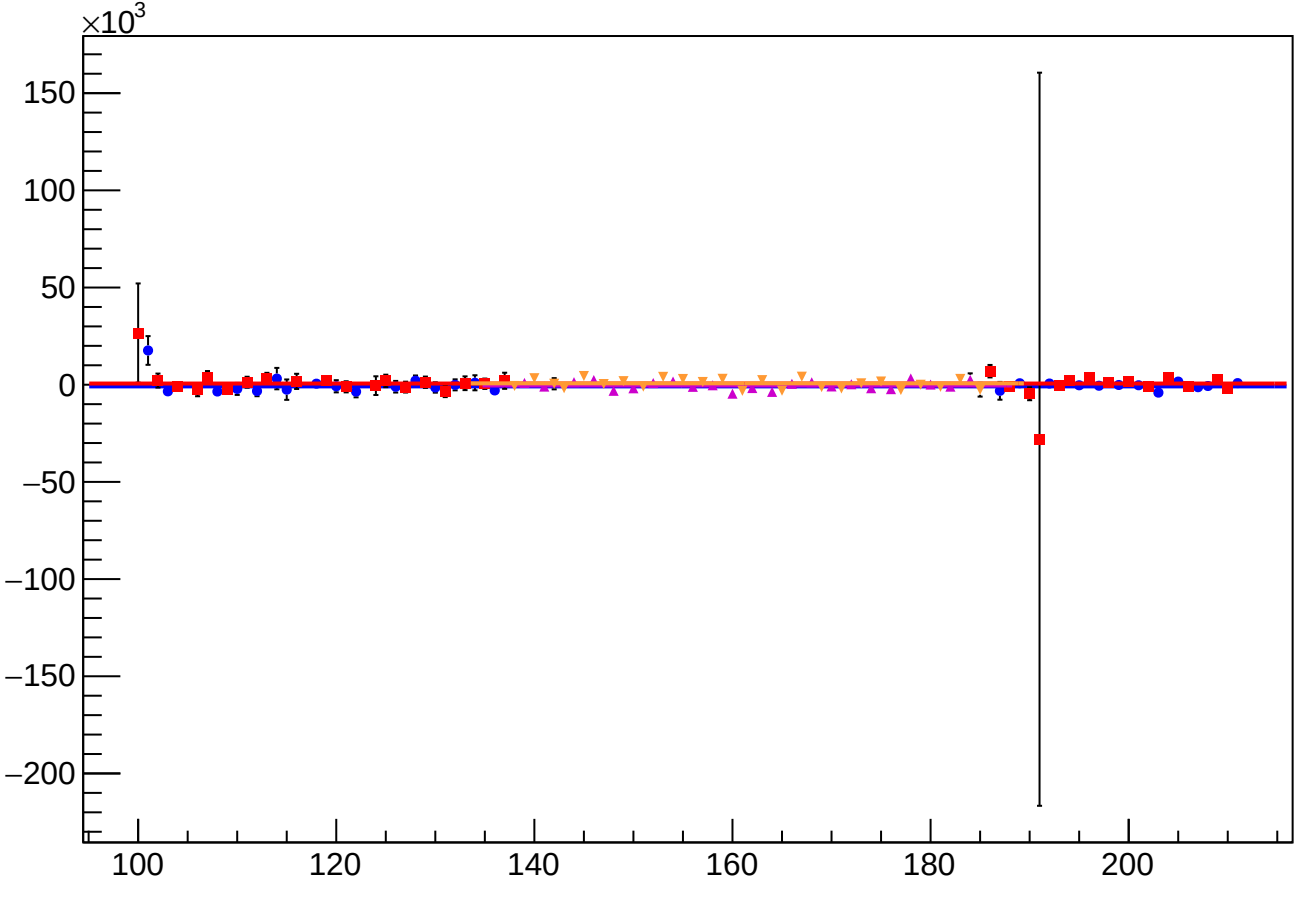
Out: 1870.165+/-0.218 χ^2/NDF:455612.8/57

All: 1868.938+/-0.156 χ^2/NDF: 1234417.5/10


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -172.860+/-1199.101 χ²/NDF: 28.0/27
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: 1899.159+/-1049.580 χ²/NDF: 27.6/32
Left In: 75.764+/-980.243 χ²/NDF:15.4/22
Left: -293.323+/-681.030 χ²/NDF: 41.7/47
Right: 1000.318+/-789.770 χ²/NDF: 57.3/60
In: -23.829+/-758.927 χ²/NDF:43.5/50
Out: 500.555+/-703.052 χ²/NDF:56.8/57
All: 258.375+/-515.756 χ²/NDF: 100.5/108


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4657.106+/-0.848 χ²/NDF: 2903678.2/27
Left Out: 4063.108+/-0.670 χ²/NDF:1405036.2/24
Right Out: 3966.652+/-0.742 χ²/NDF: 6561758.8/32
Left In: 4105.057+/-0.693 χ²/NDF:1359493.1/22
Left: 4083.357+/-0.482 χ²/NDF: 2766424.2/47
Right: 4266.170+/-0.558 χ²/NDF: 9840892.4/60
In: 4326.196+/-0.537 χ²/NDF:4517271.5/50
Out: 4019.829+/-0.497 χ²/NDF:7976107.4/57
All: 4161.321+/-0.365 χ²/NDF: 12668778.2/

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -864.570+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 607.370+/-459.750 χ^2/NDF: 25.9/32

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

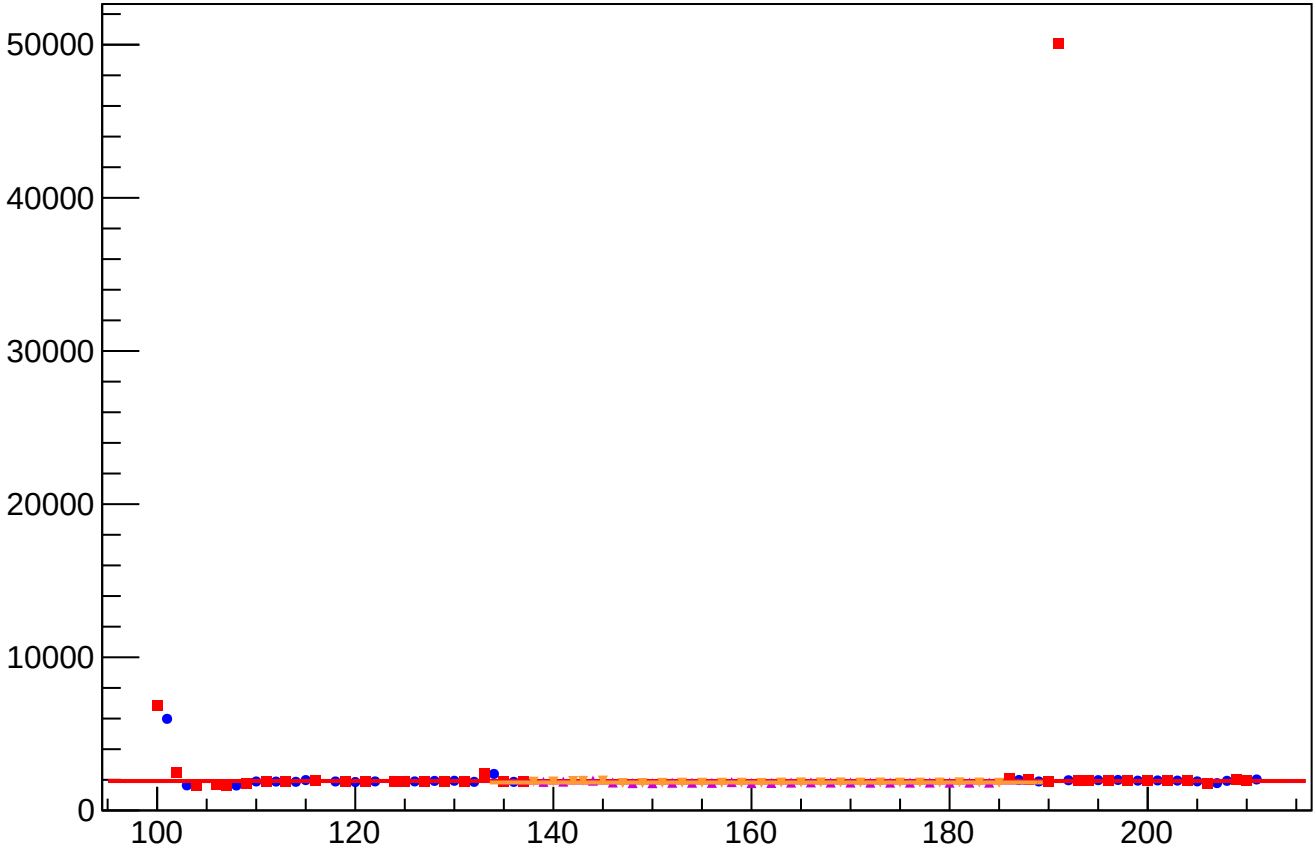
Right: -102.920+/-330.715 χ^2/NDF: 50.9/60

In: -608.342+/-317.551 χ^2/NDF:41.3/50

Out: 661.563+/-308.215 χ^2/NDF:57.8/57

All: 45.552+/-221.168 χ^2/NDF: 107.4/108

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.6/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.331+/-0.325 χ^2/NDF: 397429.5/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

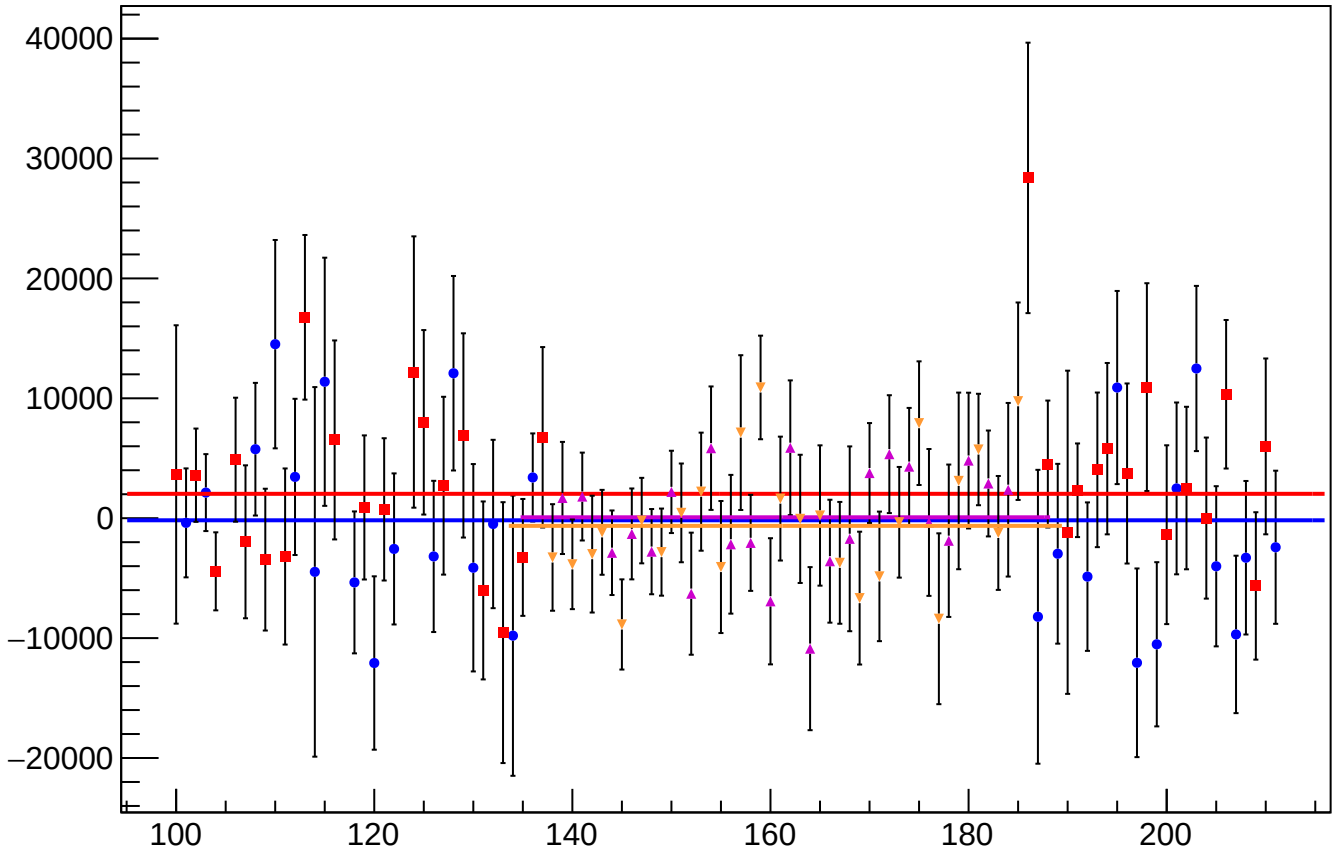
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1922.541+/-0.234 χ^2/NDF: 1118240.0/60

In: 1867.633+/-0.225 χ^2/NDF:778739.3/50

Out: 1871.459+/-0.218 χ^2/NDF:464892.4/57

All: 1869.604+/-0.156 χ^2/NDF: 1243781.2/10



Right In: -173.905+/-1199.193 χ^2/NDF: 28.0/27

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2034.317+/-1095.473 χ^2/NDF: 28.0/32

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

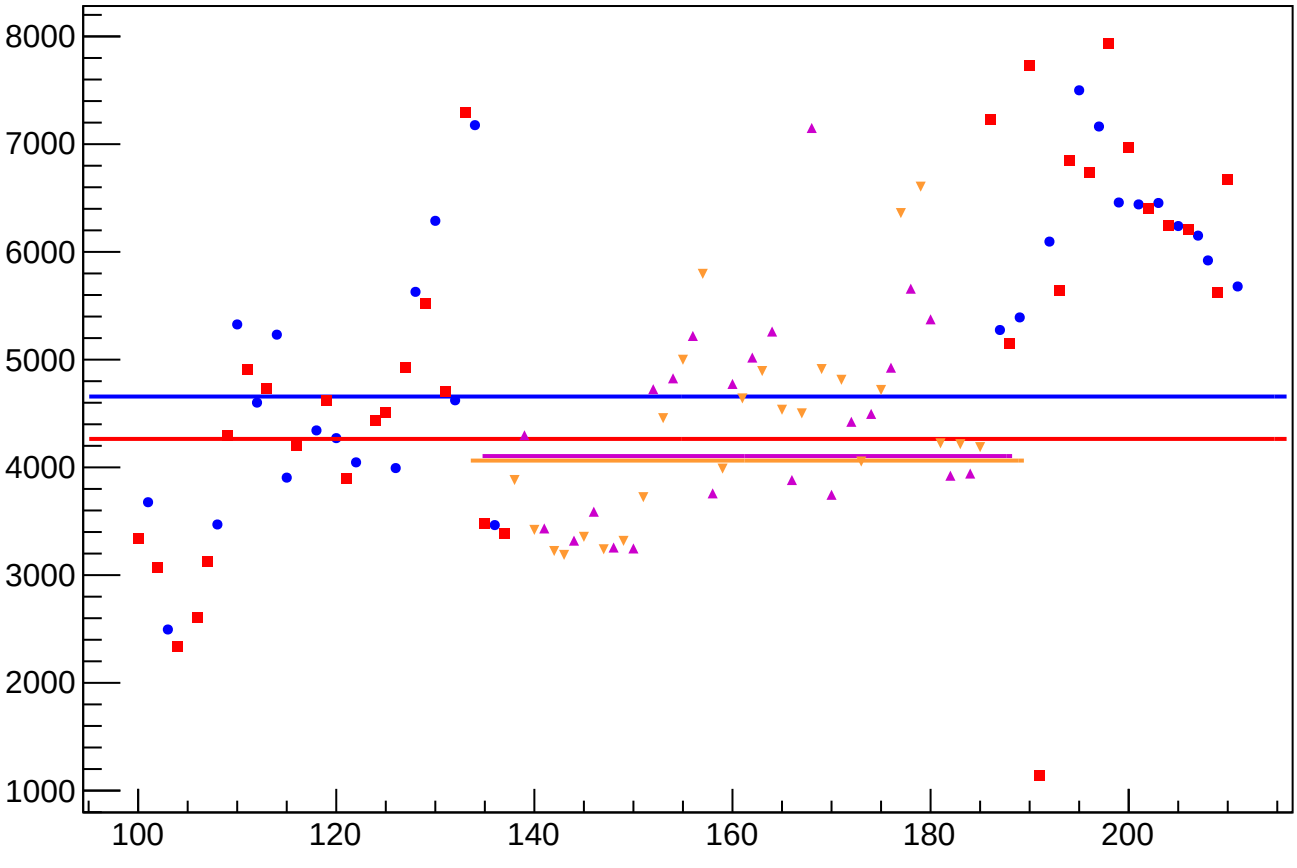
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1029.815+/-808.804 χ^2/NDF: 57.9/60

In: -24.224+/-758.949 χ^2/NDF:43.5/50

Out: 504.896+/-716.359 χ^2/NDF:57.3/57

All: 255.599+/-520.948 χ^2/NDF: 101.1/108



Right In: 4657.578+/-0.848 χ^2/NDF: 2902274.8/27

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4264.180+/-0.775 χ^2/NDF: 5196923.4/32

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

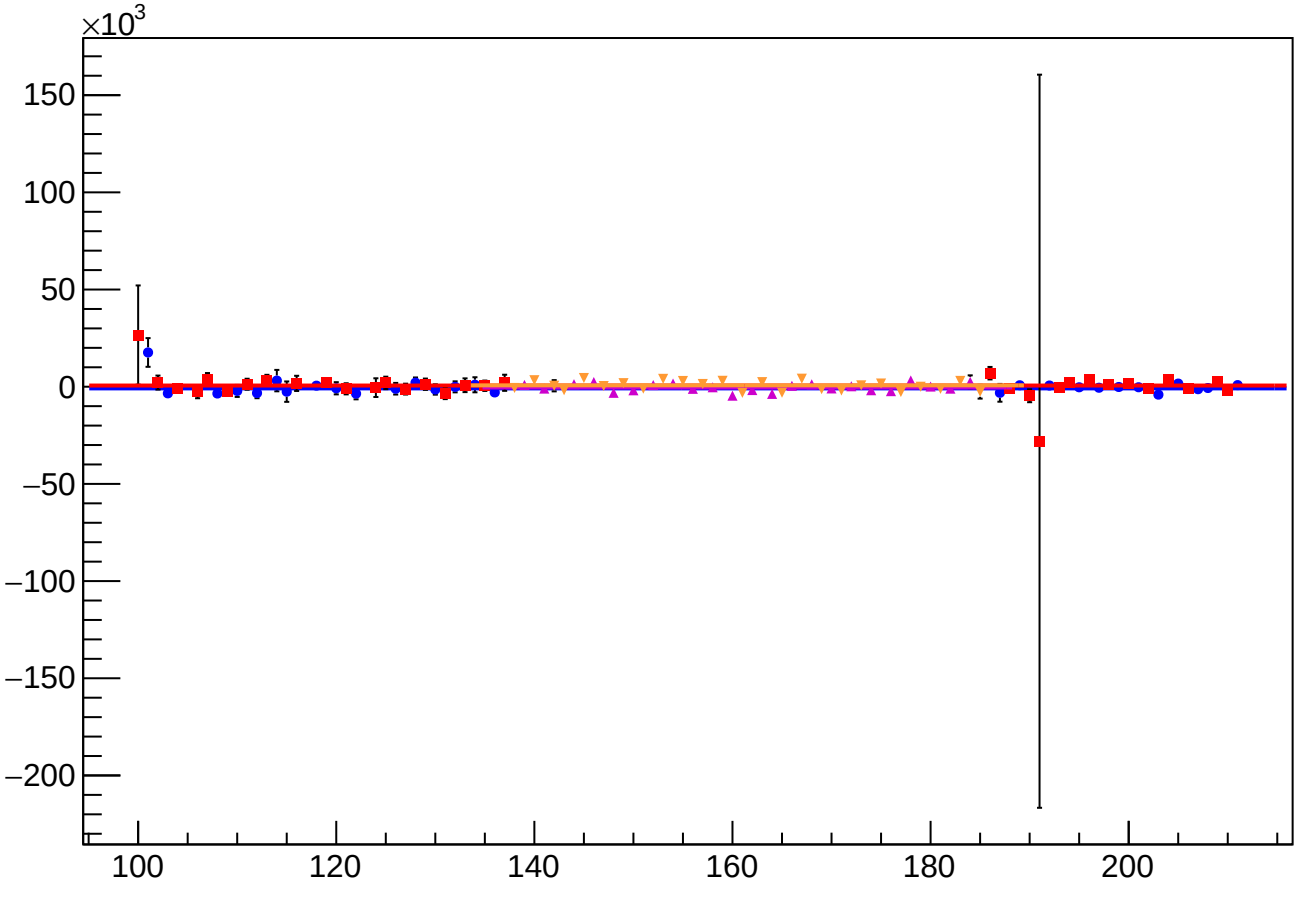
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4443.133+/-0.572 χ^2/NDF: 8216525.0/60

In: 4326.360+/-0.537 χ^2/NDF:4516295.4/50

Out: 4149.089+/-0.507 χ^2/NDF:6640521.8/57

All: 4232.611+/-0.368 χ^2/NDF: 11214521.2/



Right In: -864.570+/-476.082 χ^2/NDF: 20.1/27

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 607.370+/-459.750 χ^2/NDF: 25.9/32

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

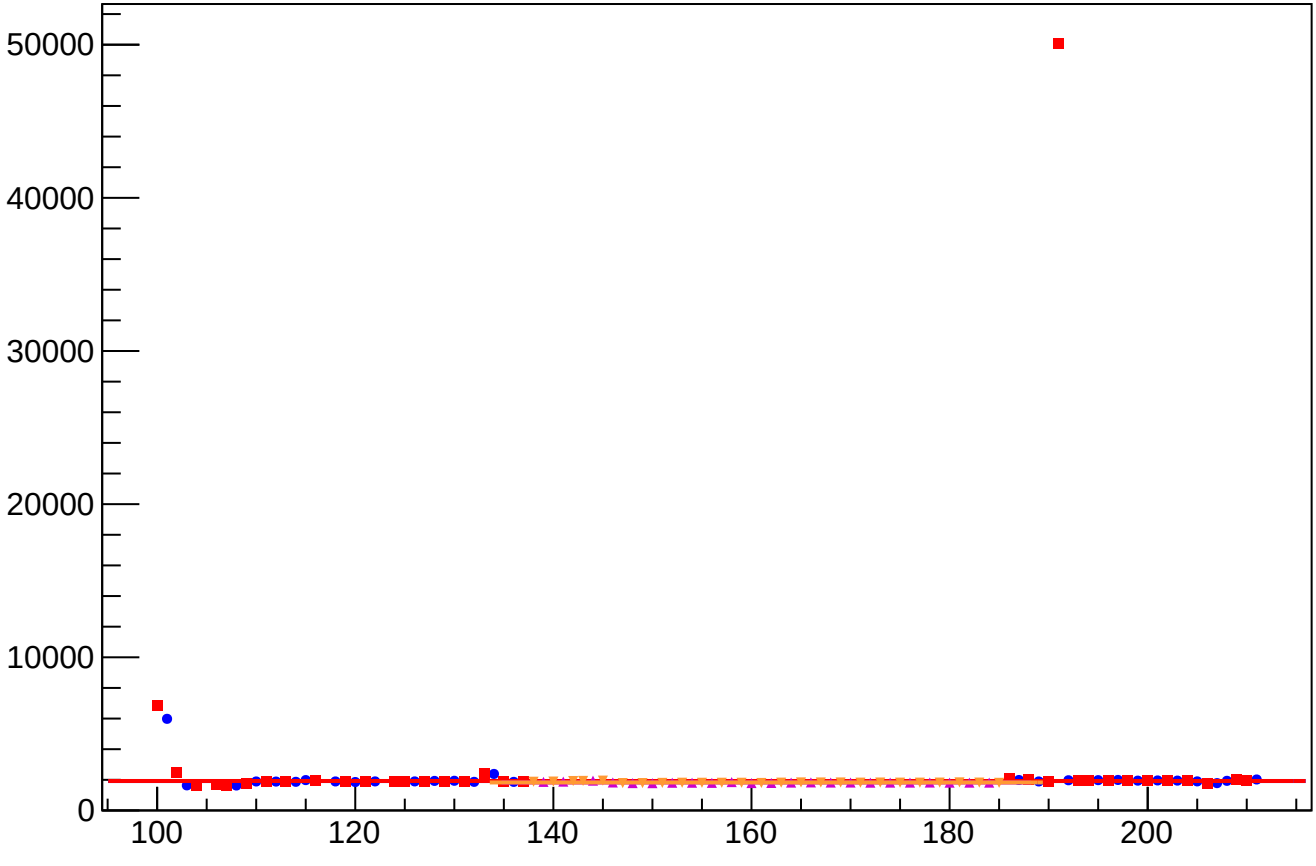
Right: -102.920+/-330.715 χ^2/NDF: 50.9/60

In: -608.342+/-317.551 χ^2/NDF:41.3/50

Out: 661.563+/-308.215 χ^2/NDF:57.8/57

All: 45.552+/-221.168 χ^2/NDF: 107.4/108

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1920.620+/-0.337 χ^2/NDF: 720747.6/27

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.331+/-0.325 χ^2/NDF: 397429.5/32

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

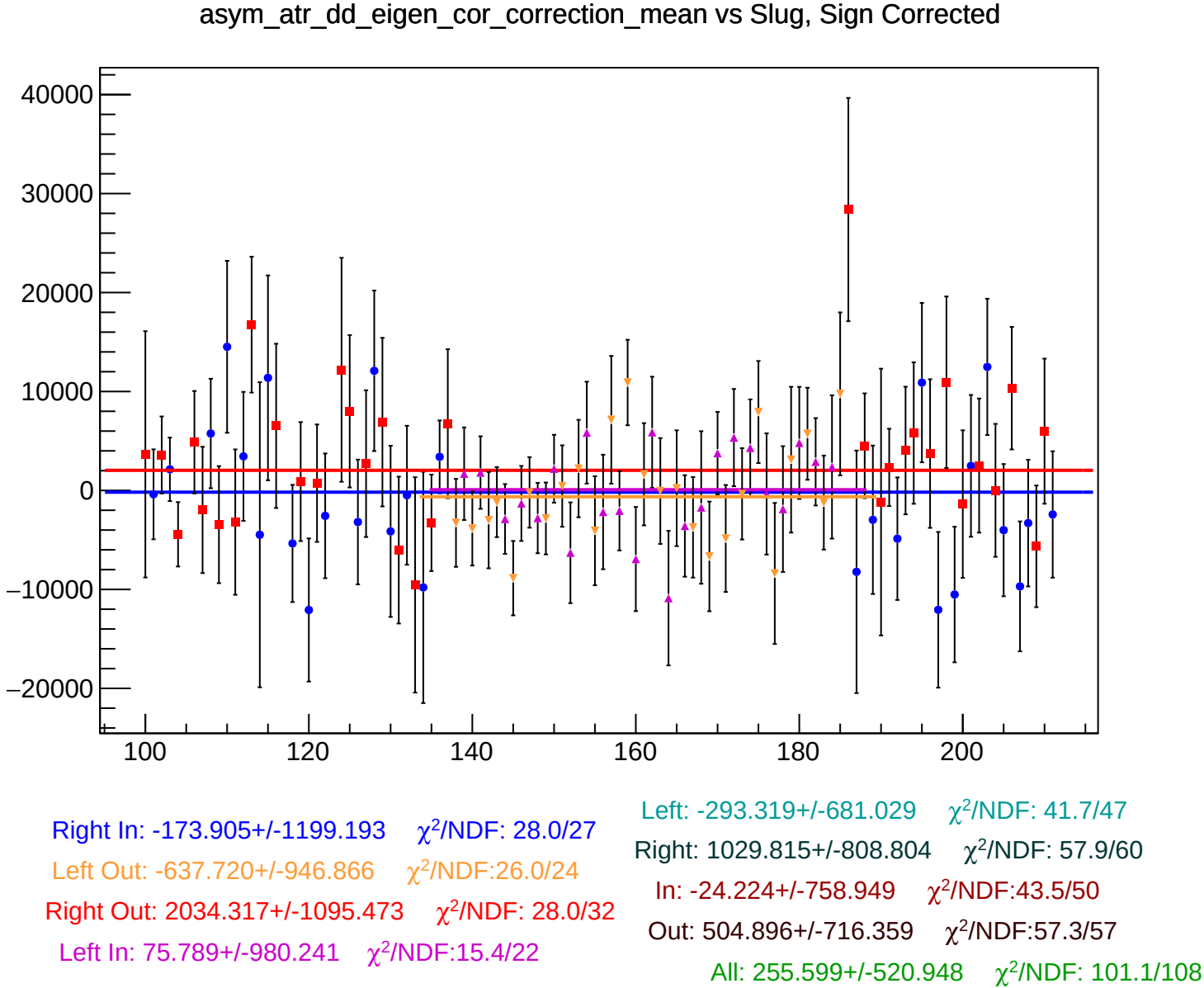
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

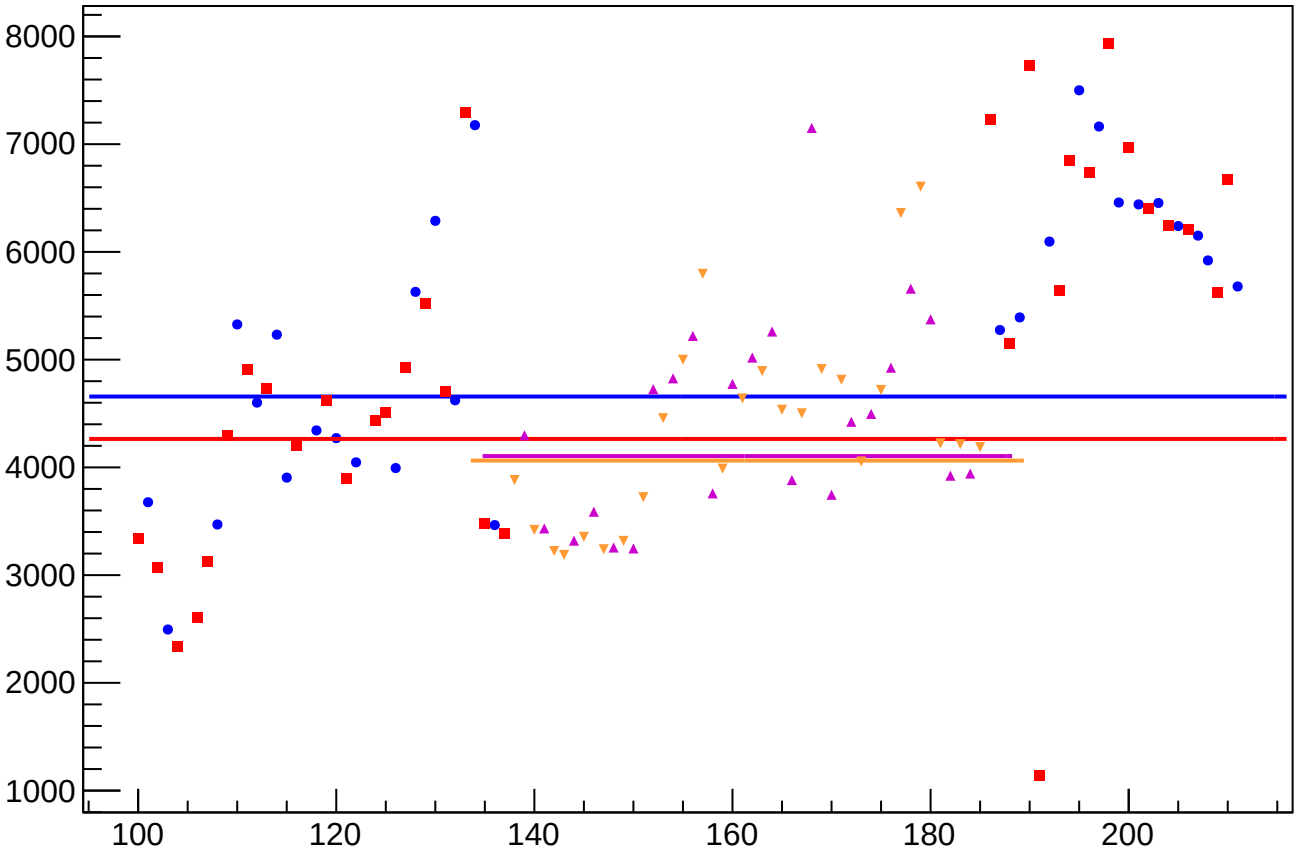
Right: 1922.541+/-0.234 χ^2/NDF: 1118240.0/60

In: 1867.633+/-0.225 χ^2/NDF:778739.3/50

Out: 1871.459+/-0.218 χ^2/NDF:464892.4/57

All: 1869.604+/-0.156 χ^2/NDF: 1243781.2/10


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -173.905+/-1199.193 χ²/NDF: 28.0/27
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 2034.317+/-1095.473 χ²/NDF: 28.0/32
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1029.815+/-808.804 χ²/NDF: 57.9/60
In: -24.224+/-758.949 χ²/NDF:43.5/50
Out: 504.896+/-716.359 χ²/NDF:57.3/57
All: 255.599+/-520.948 χ²/NDF: 101.1/108



Right In: 4657.578+/-0.848 χ^2/NDF: 2902274.8/27

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4264.180+/-0.775 χ^2/NDF: 5196923.4/32

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

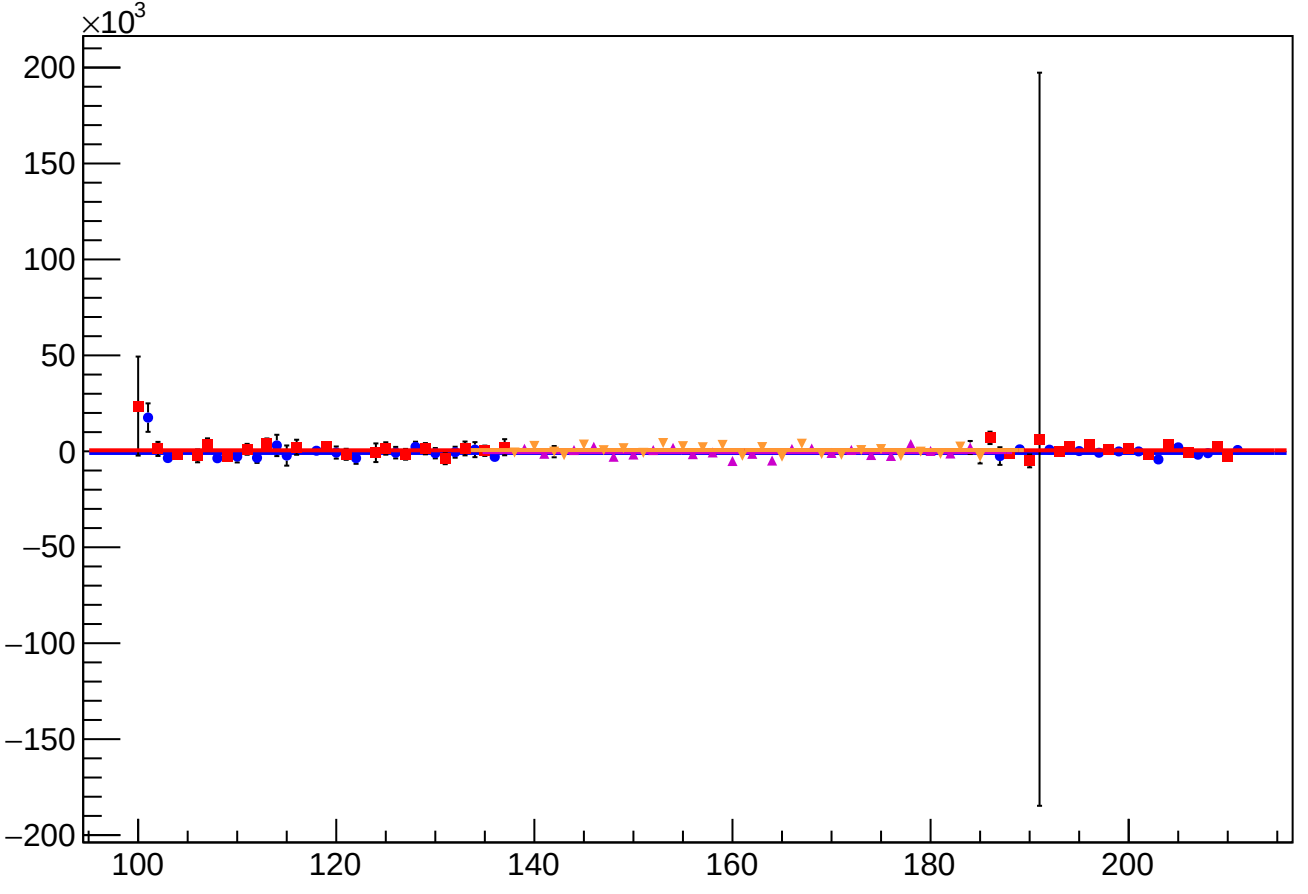
Right: 4443.133+/-0.572 χ^2/NDF: 8216525.0/60

In: 4326.360+/-0.537 χ^2/NDF:4516295.4/50

Out: 4149.089+/-0.507 χ^2/NDF:6640521.8/57

All: 4232.611+/-0.368 χ^2/NDF: 11214521.2/

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -851.496+/-480.006 χ^2/NDF: 21.4/27

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 530.676+/-463.965 χ^2/NDF: 27.9/32

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

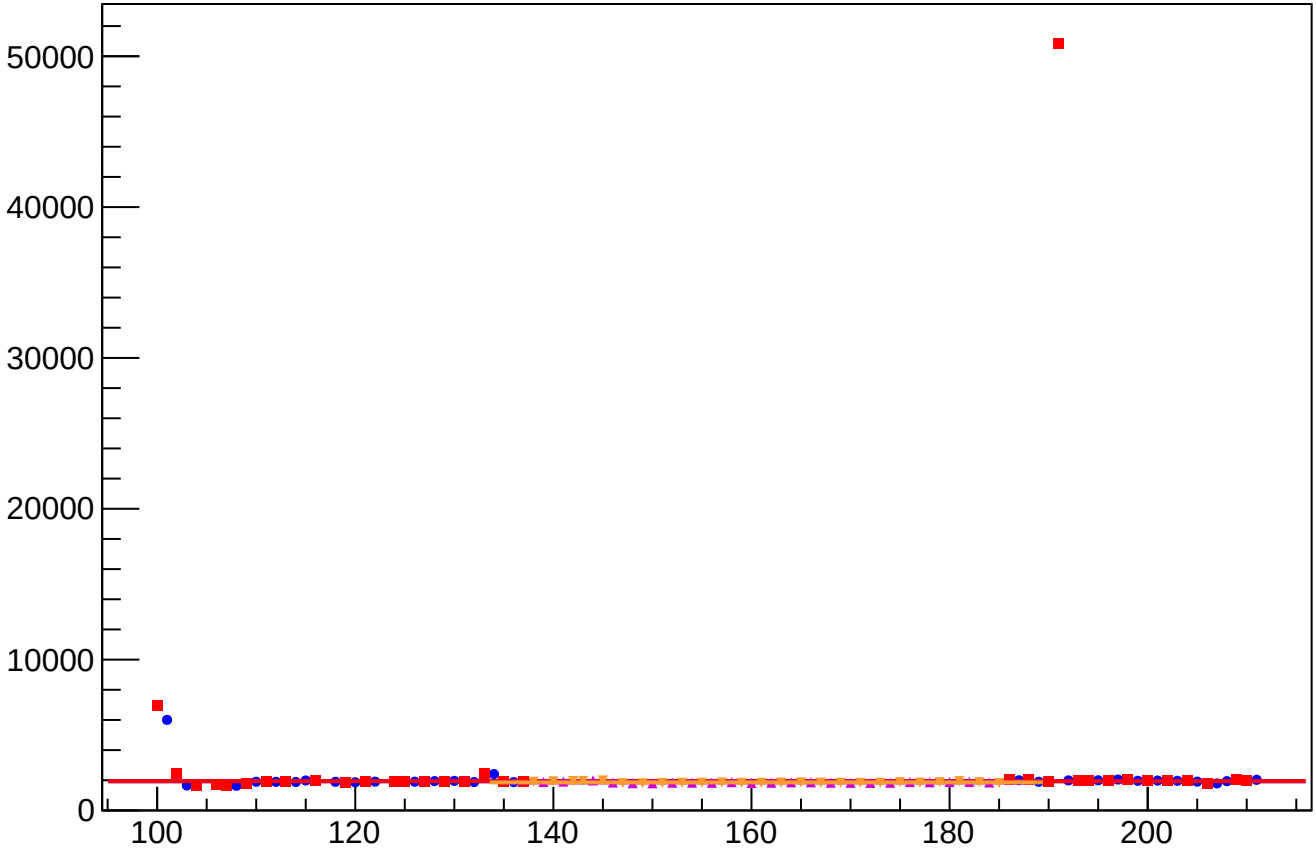
Right: -136.929+/-333.599 χ^2/NDF: 53.6/60

In: -608.988+/-321.865 χ^2/NDF:45.5/50

Out: 599.987+/-312.613 χ^2/NDF:55.0/57

All: 13.125+/-224.250 χ^2/NDF: 107.8/108

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1936.280+/-0.339 χ^2/NDF: 723990.7/27

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1941.427+/-0.328 χ^2/NDF: 406317.7/32

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

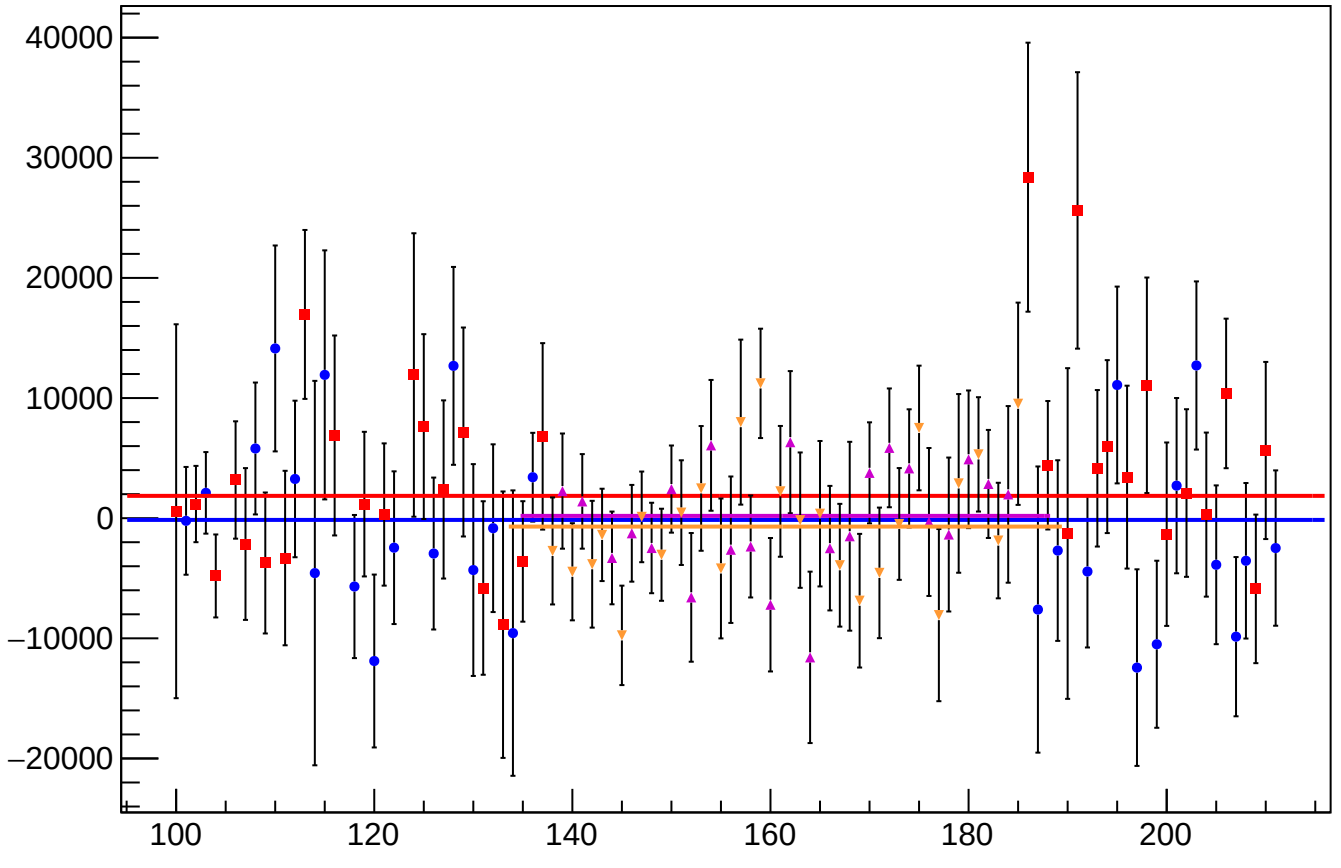
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

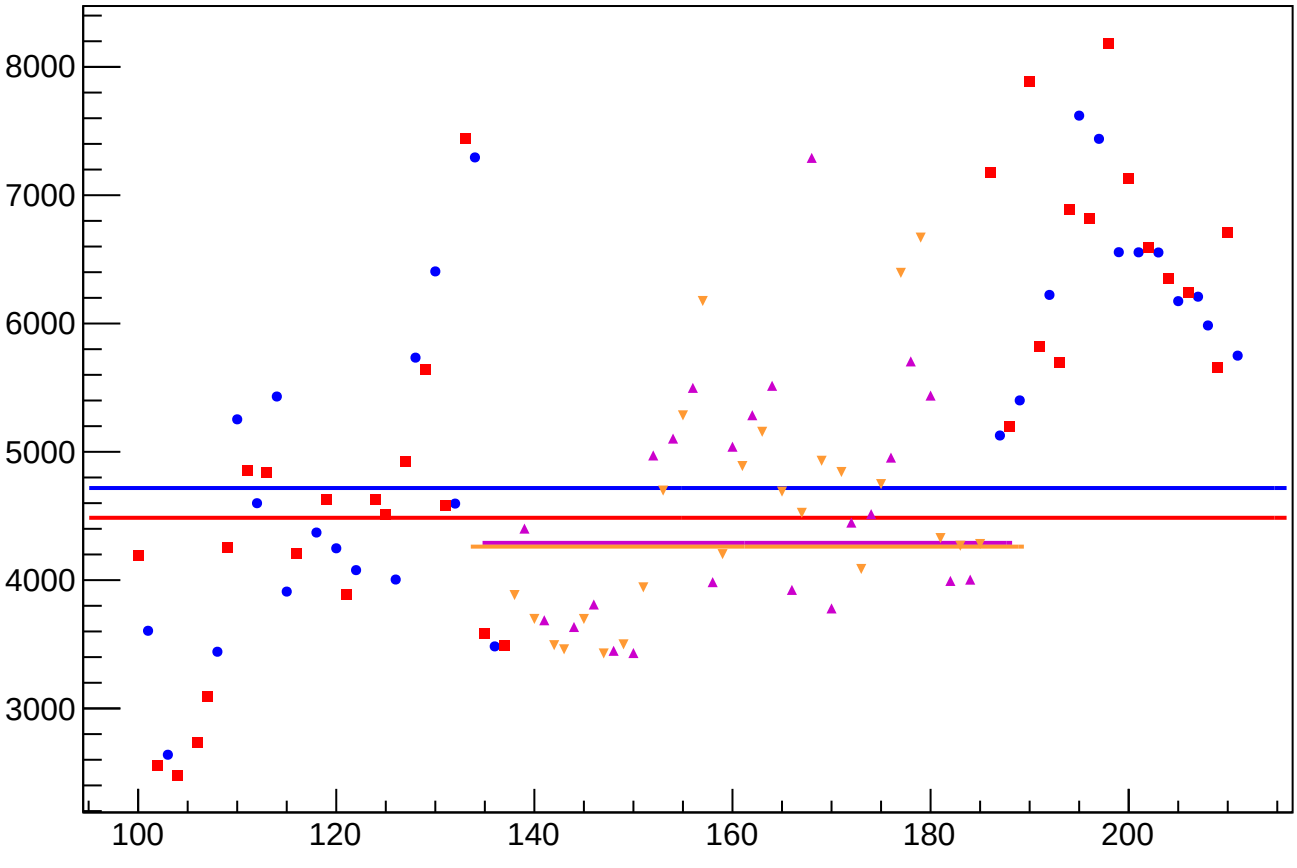
Right: 1938.942+/-0.236 χ^2/NDF: 1130427.4/60

In: 1893.010+/-0.228 χ^2/NDF:769900.7/50

Out: 1897.930+/-0.221 χ^2/NDF:464569.6/57

All: 1895.542+/-0.159 χ^2/NDF: 1234710.8/10


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -143.597+/-1213.777 χ²/NDF: 27.9/27
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1858.496+/-1125.056 χ²/NDF: 31.7/32
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 933.288+/-825.119 χ²/NDF: 61.0/60
In: 52.987+/-781.990 χ²/NDF:43.1/50
Out: 417.550+/-743.237 χ²/NDF:59.9/57
All: 244.525+/-538.727 χ²/NDF: 103.1/108



Right In: 4717.871+/-0.858 χ^2/NDF: 2823250.5/27

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4485.882+/-0.796 χ^2/NDF: 4195864.7/32

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

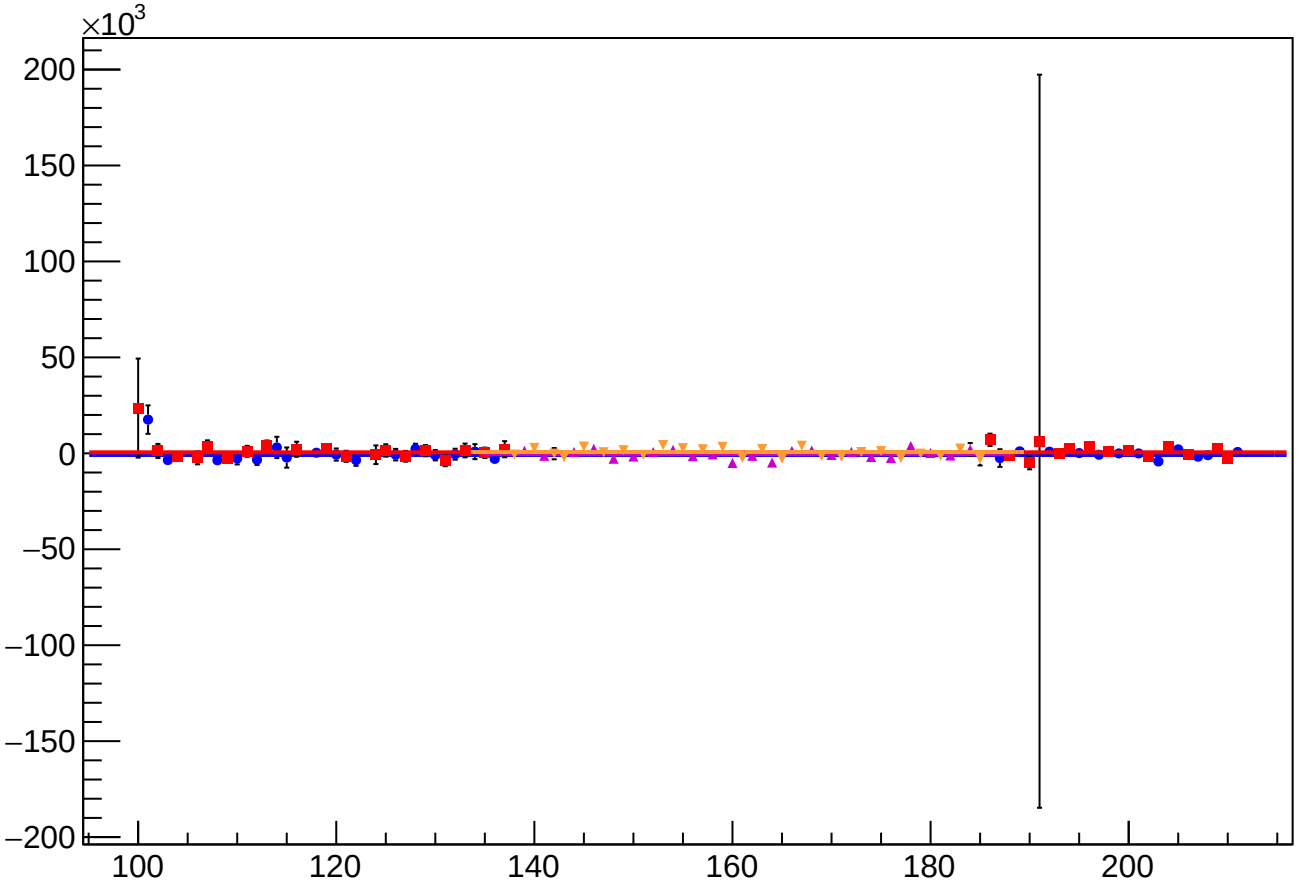
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4593.089+/-0.583 χ^2/NDF: 7058413.4/60

In: 4467.831+/-0.553 χ^2/NDF:4182316.7/50

Out: 4359.213+/-0.526 χ^2/NDF:5431410.9/57

All: 4410.764+/-0.381 χ^2/NDF: 9634000.2/10



Right In: -851.497+/-480.006 χ^2/NDF: 21.4/27

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 530.674+/-463.965 χ^2/NDF: 27.9/32

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

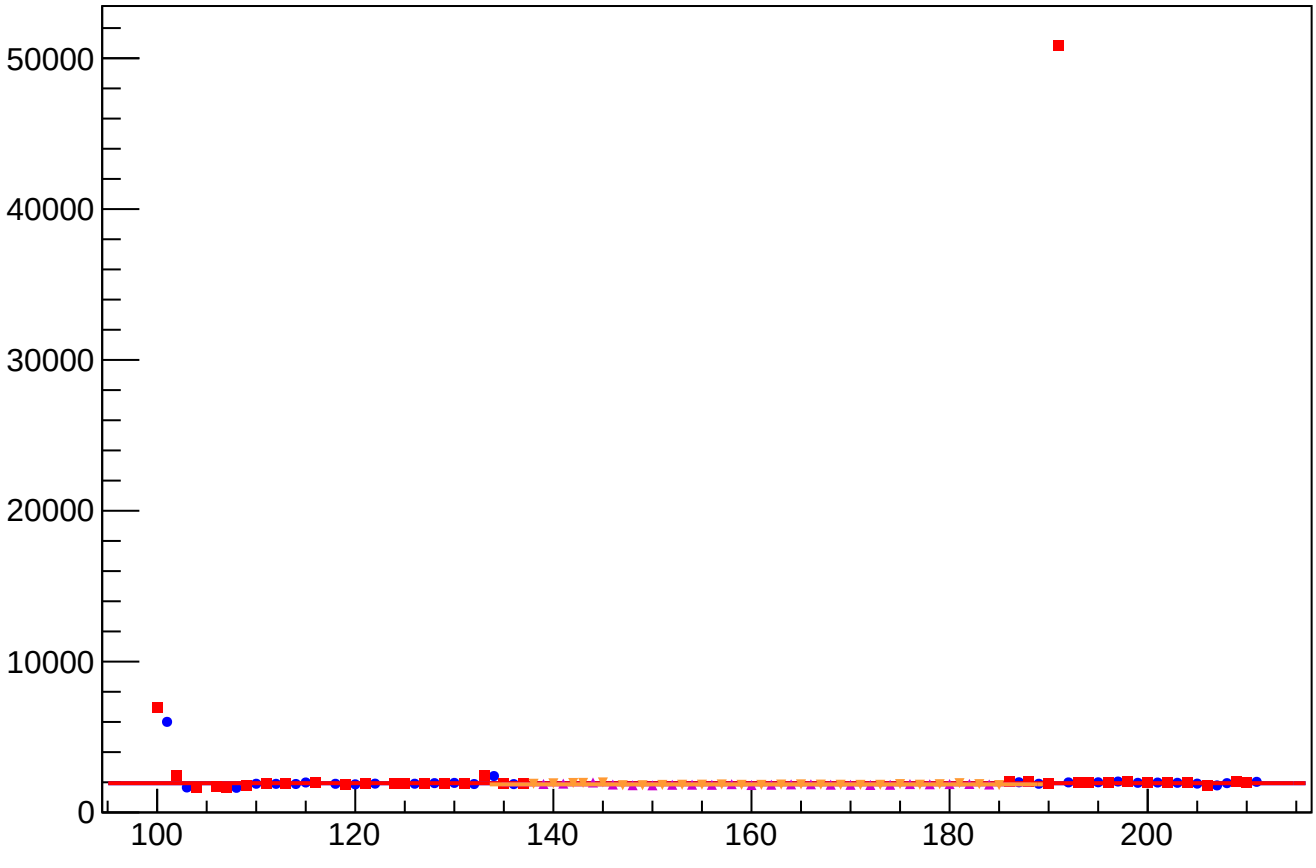
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -136.931+/-333.599 χ^2/NDF: 53.6/60

In: -608.988+/-321.865 χ^2/NDF:45.5/50

Out: 599.989+/-312.613 χ^2/NDF:55.0/57

All: 13.127+/-224.250 χ^2/NDF: 107.8/108



Right In: 1936.280+/-0.339 χ^2/NDF: 723990.6/27

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1941.427+/-0.328 χ^2/NDF: 406317.9/32

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

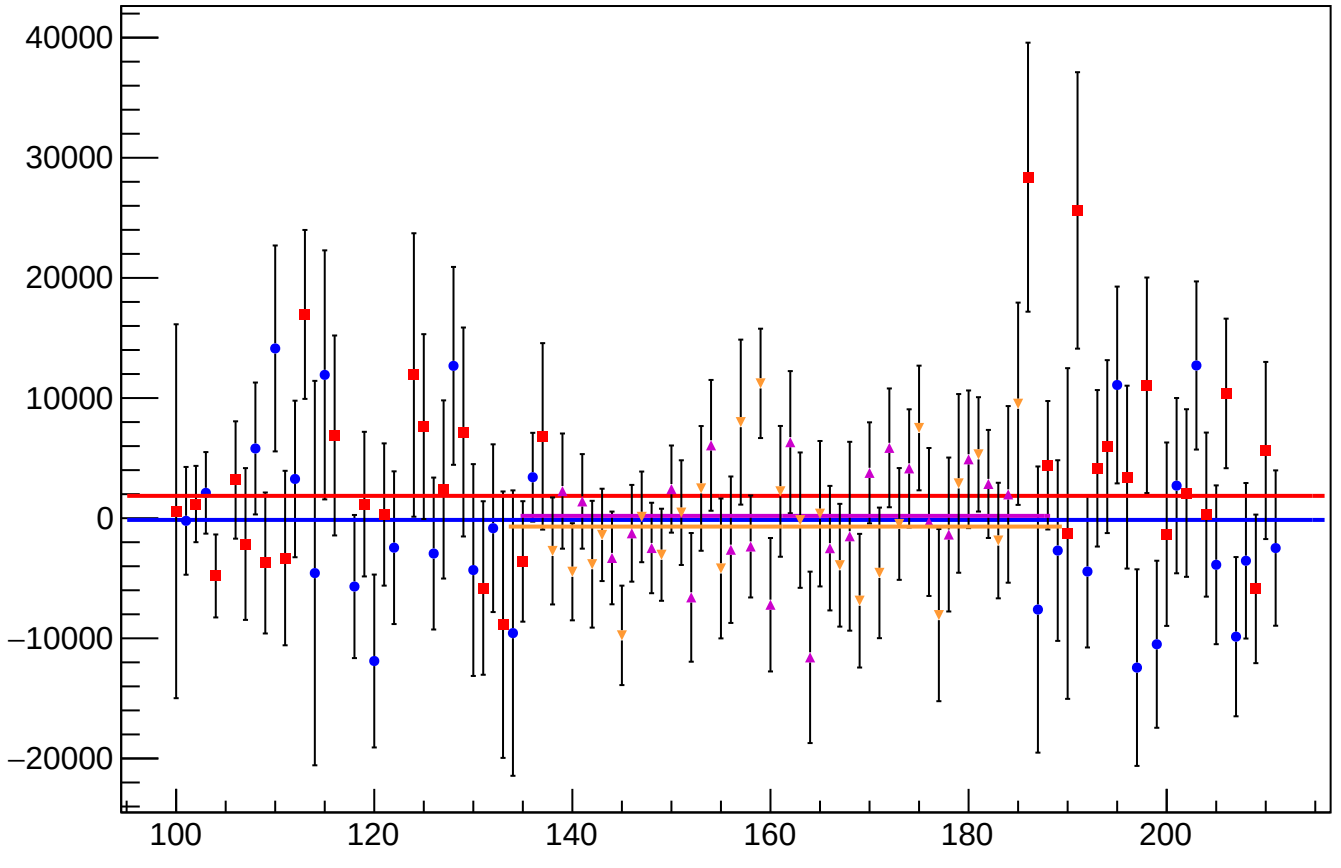
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1938.942+/-0.236 χ^2/NDF: 1130427.5/60

In: 1893.010+/-0.228 χ^2/NDF:769900.0/50

Out: 1897.930+/-0.221 χ^2/NDF:464569.4/57

All: 1895.543+/-0.159 χ^2/NDF: 1234709.9/10



Right In: -143.604+/-1213.777 χ^2/NDF: 27.9/27

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1858.494+/-1125.055 χ^2/NDF: 31.7/32

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

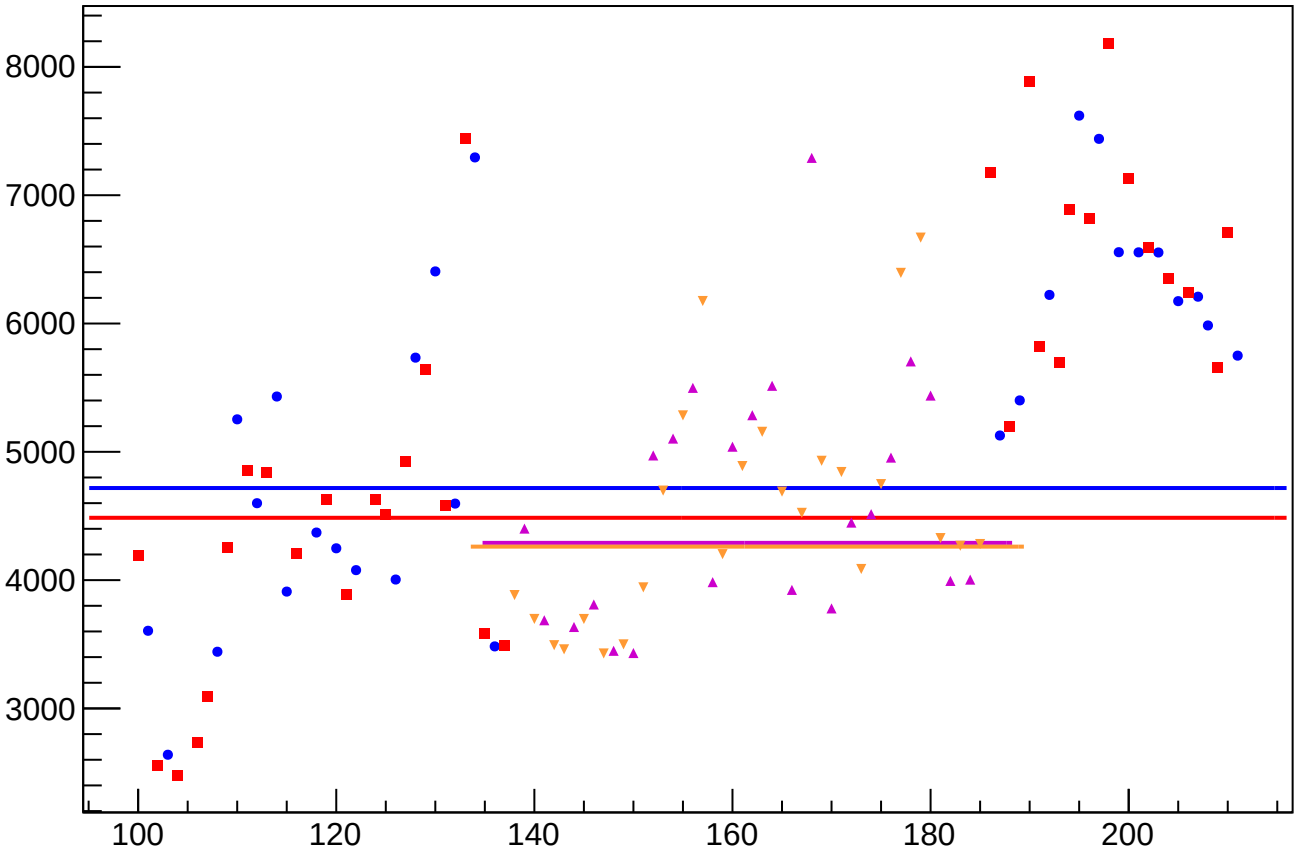
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 933.284+/-825.119 χ^2/NDF: 61.0/60

In: 52.985+/-781.991 χ^2/NDF:43.1/50

Out: 417.552+/-743.238 χ^2/NDF:59.9/57

All: 244.526+/-538.728 χ^2/NDF: 103.1/108



Right In: 4717.870+/-0.858 χ^2/NDF: 2823258.1/27

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4485.880+/-0.796 χ^2/NDF: 4195872.7/32

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

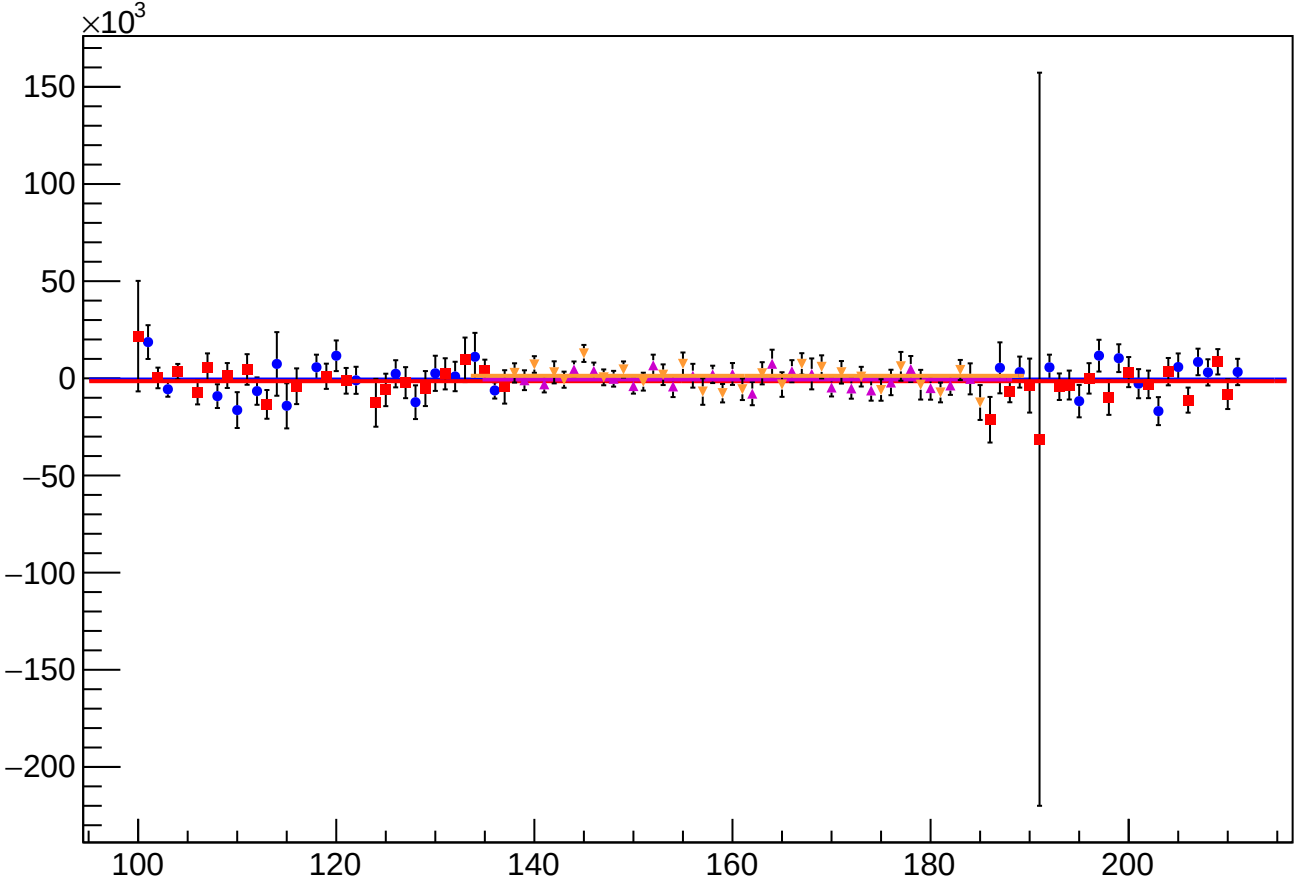
Right: 4593.087+/-0.583 χ^2/NDF: 7058429.5/60

In: 4467.834+/-0.553 χ^2/NDF:4182325.0/50

Out: 4359.216+/-0.526 χ^2/NDF:5431418.0/57

All: 4410.767+/-0.381 χ^2/NDF: 9634015.8/10

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -614.407+/-1342.511 χ^2/NDF: 38.2/27

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1476.002+/-1277.895 χ^2/NDF: 22.4/32

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

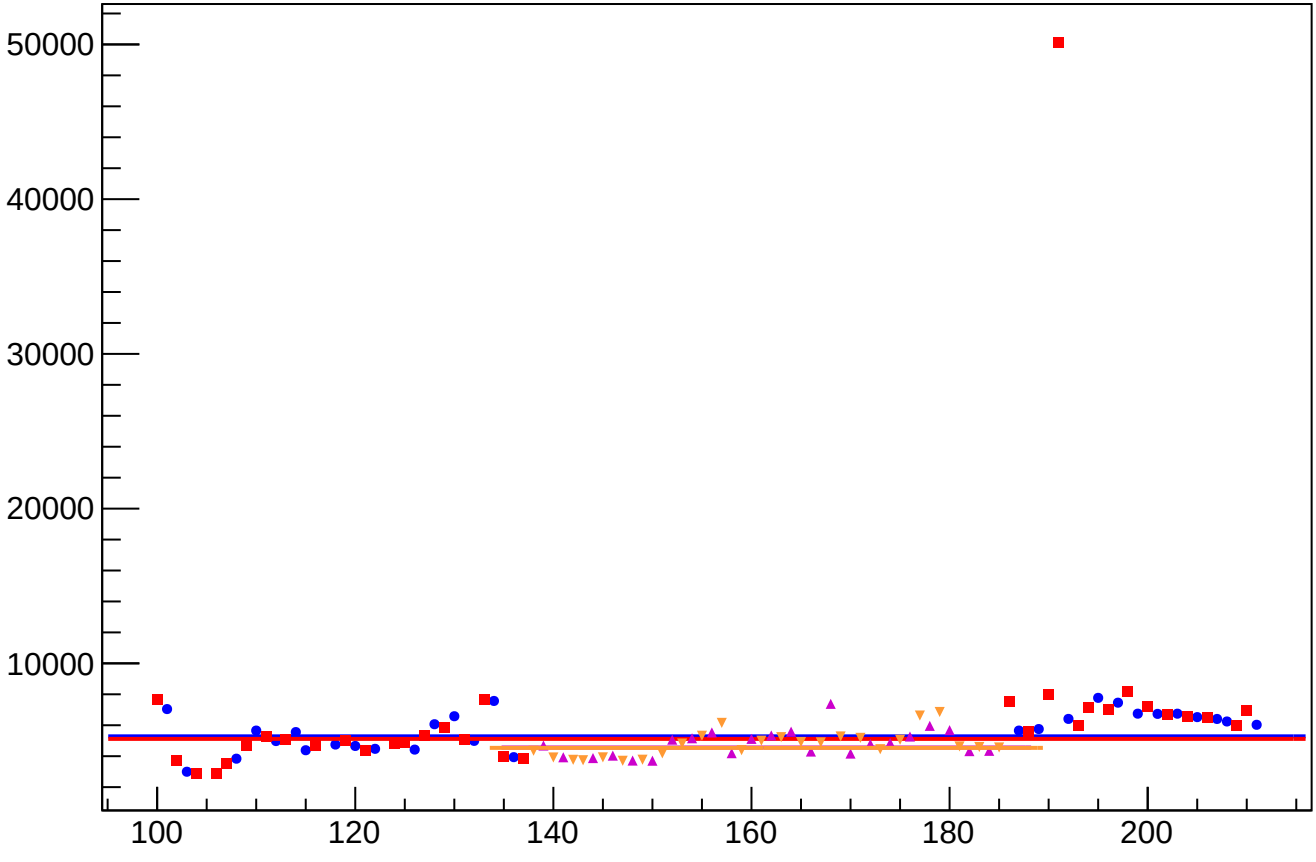
Right: -1066.437+/-925.609 χ^2/NDF: 60.8/60

In: -591.394+/-842.508 χ^2/NDF:52.6/50

Out: 180.777+/-811.064 χ^2/NDF:53.7/57

All: -190.630+/-584.309 χ^2/NDF: 106.7/108

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5282.485+/-0.949 χ^2/NDF: 2148040.3/27

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5118.626+/-0.899 χ^2/NDF: 2899609.8/32

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

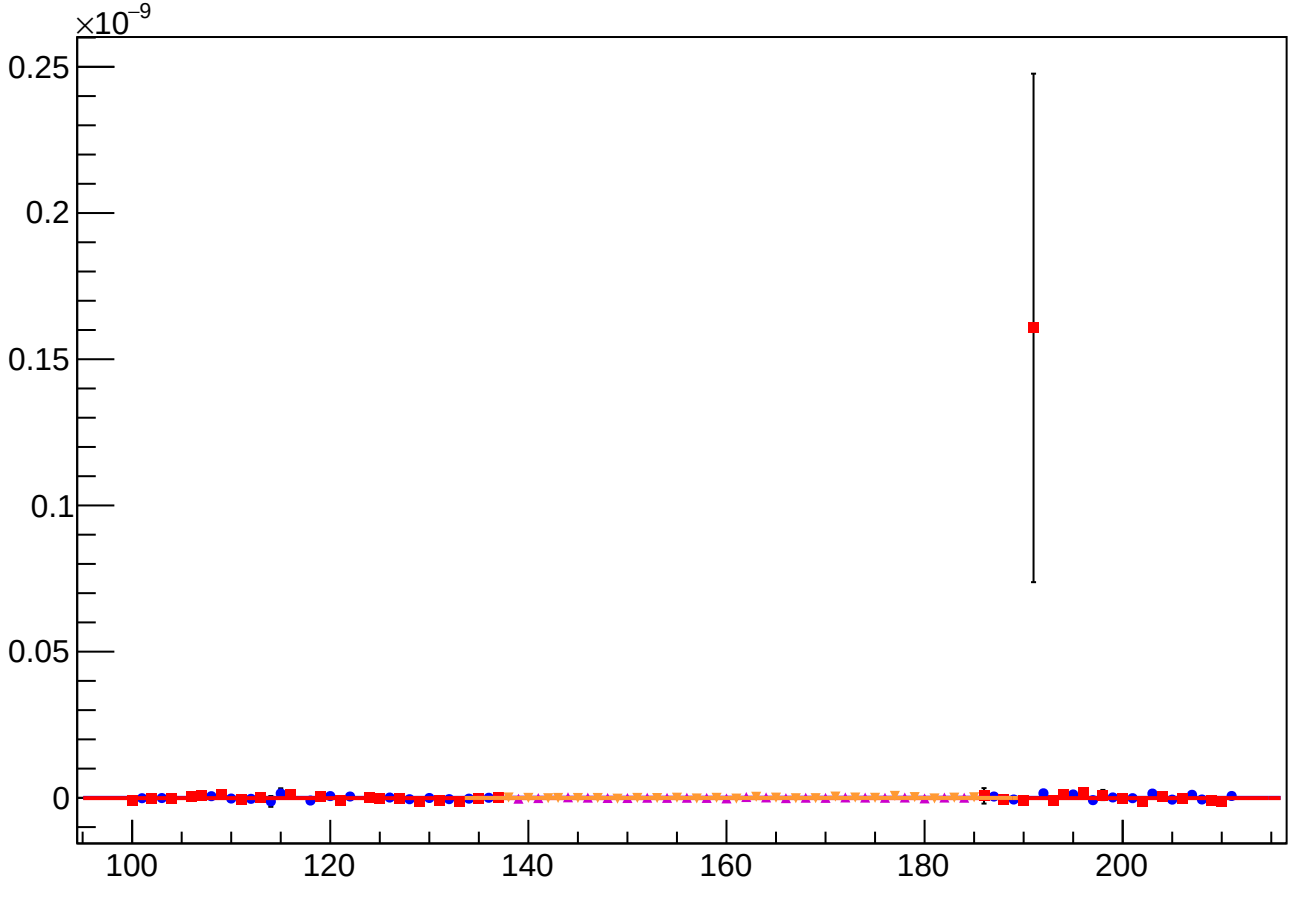
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5196.101+/-0.653 χ^2/NDF: 5063357.5/60

In: 4844.846+/-0.596 χ^2/NDF:3478861.0/50

Out: 4773.279+/-0.572 χ^2/NDF:4140639.7/57

All: 4807.628+/-0.413 χ^2/NDF: 7627005.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/32

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

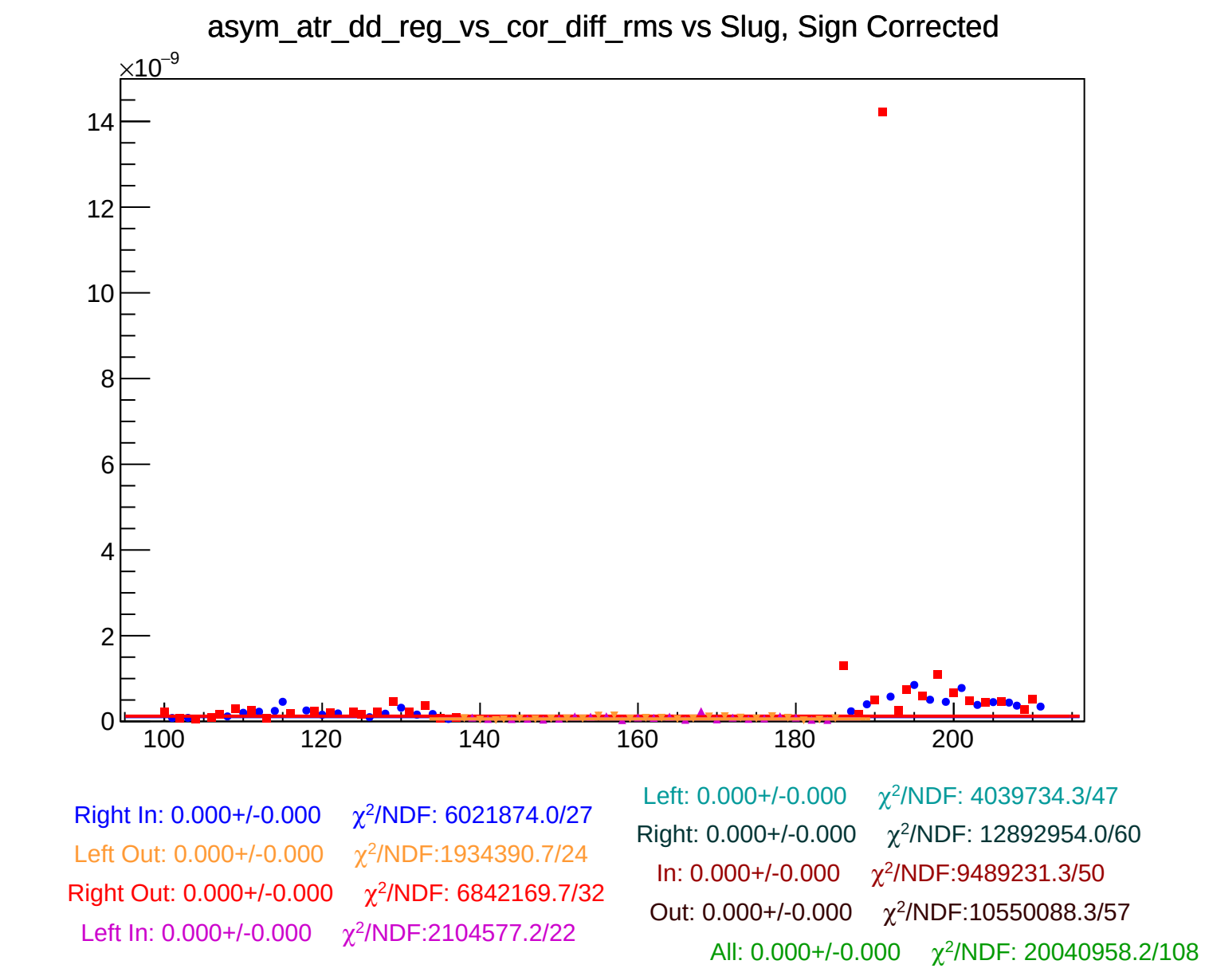
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

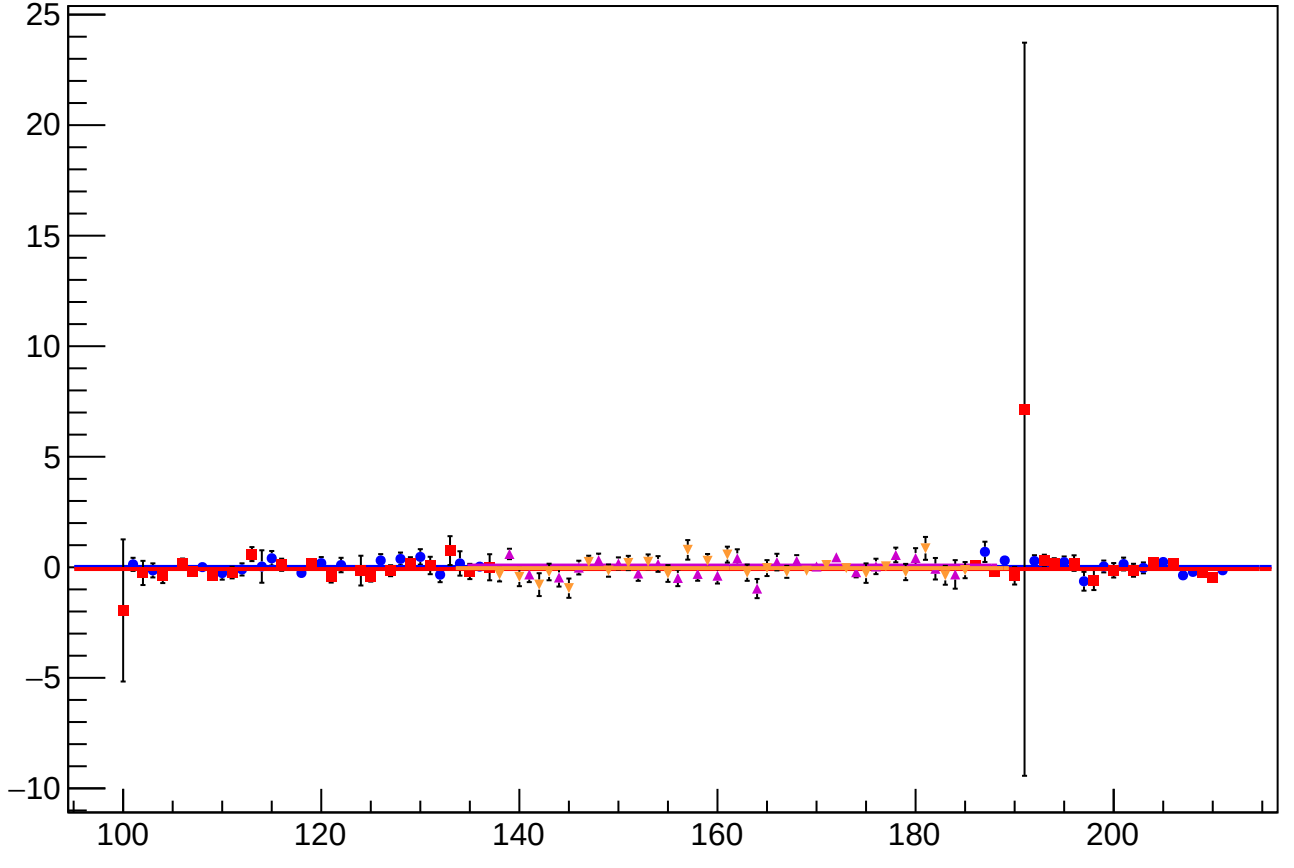
Right: -0.000+/-0.000 χ^2/NDF: 70.1/60

In: 0.000+/-0.000 χ^2/NDF:47.0/50

Out: -0.000+/-0.000 χ^2/NDF:81.4/57

All: -0.000+/-0.000 χ^2/NDF: 130.7/108


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: 6021874.0/27
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6842169.7/32
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: 12892954.0/60
In: 0.000+/-0.000 χ²/NDF:9489231.3/50
Out: 0.000+/-0.000 χ²/NDF:10550088.3/57
All: 0.000+/-0.000 χ²/NDF: 20040958.2/108



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.045 χ^2/NDF: 33.1/32

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

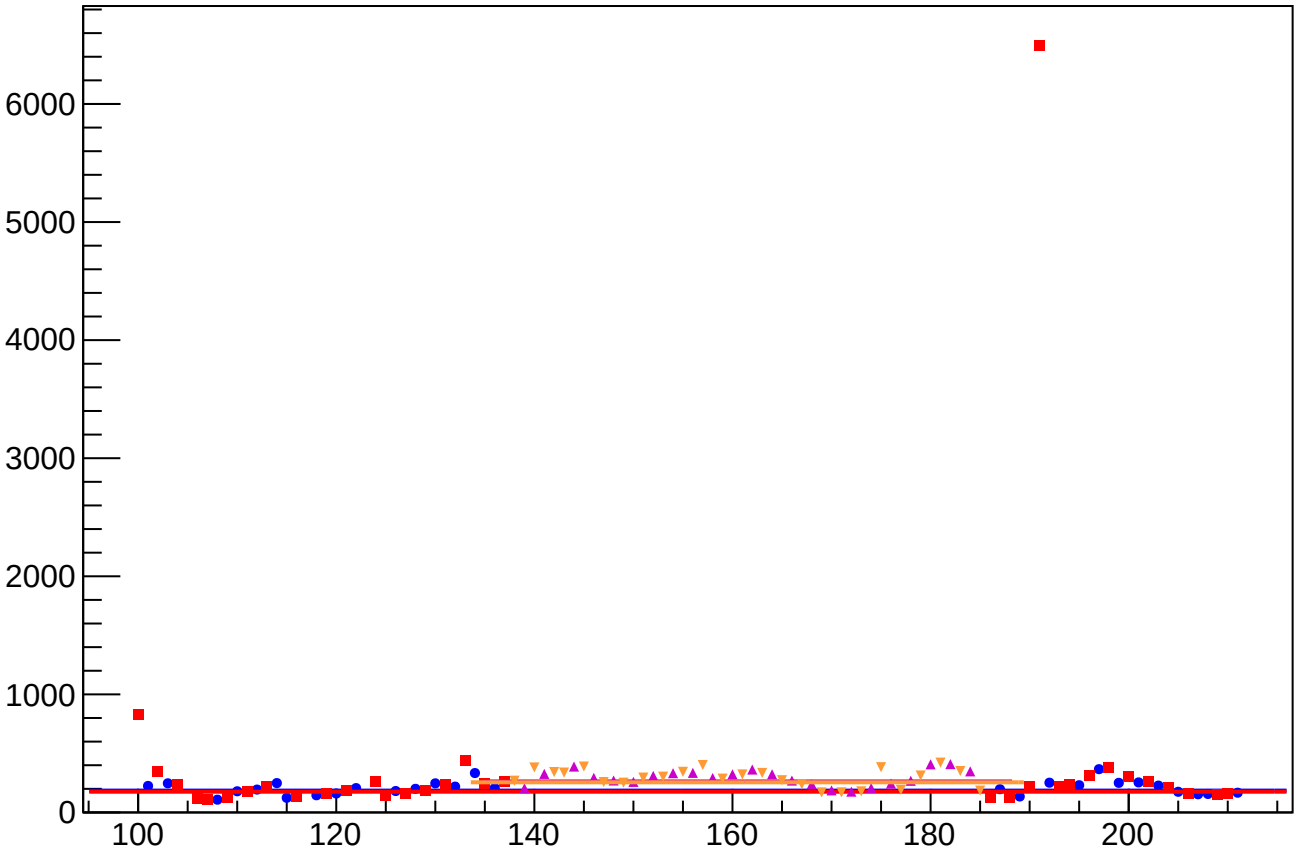
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.034+/-0.033 χ^2/NDF: 63.5/60

In: 0.038+/-0.039 χ^2/NDF:59.9/50

Out: -0.065+/-0.037 χ^2/NDF:57.8/57

All: -0.016+/-0.027 χ^2/NDF: 121.5/108



Right In: 184.996+/-0.034 χ^2/NDF: 2058805.9/27

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 175.661+/-0.032 χ^2/NDF: 3592025.6/32

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

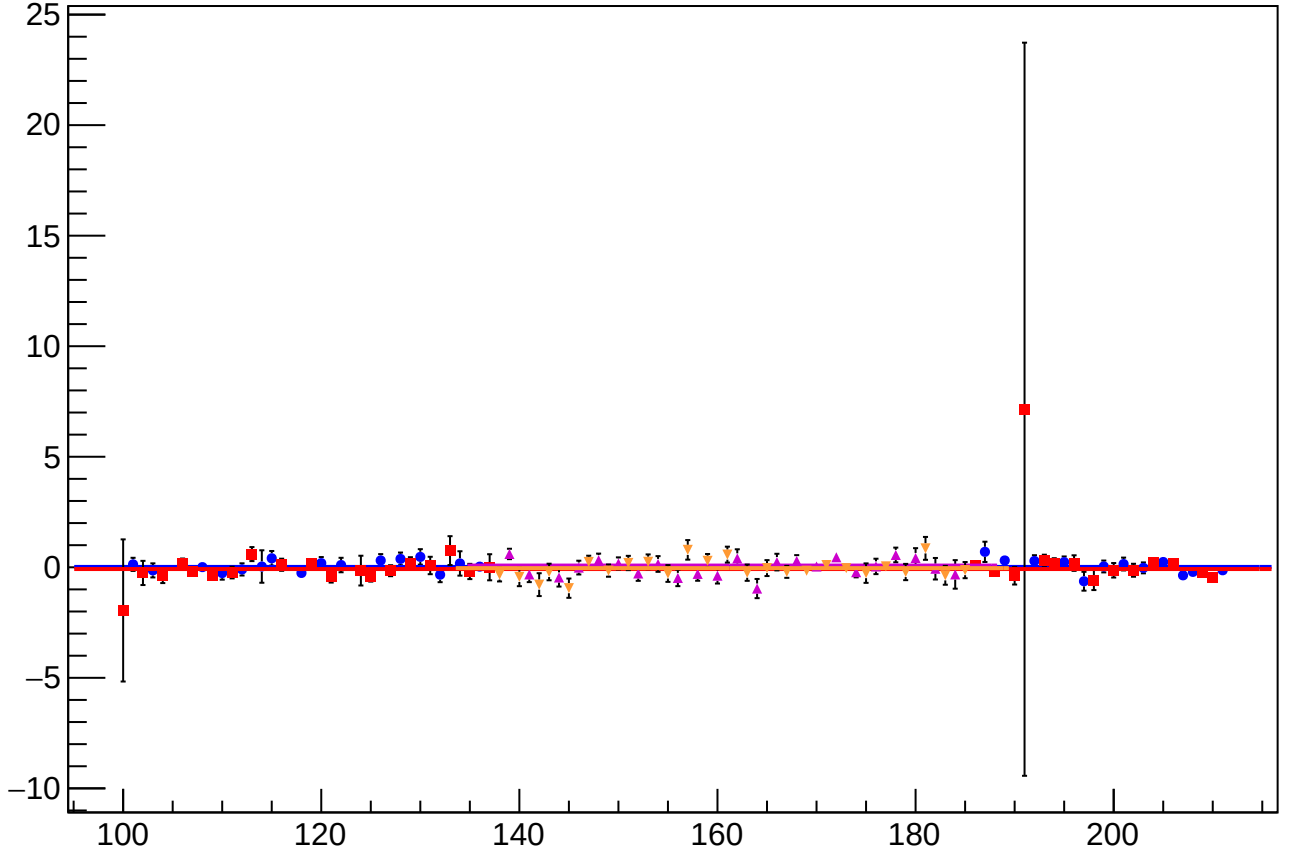
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 180.044+/-0.023 χ^2/NDF: 5690867.3/60

In: 212.550+/-0.027 χ^2/NDF:5940682.8/50

Out: 203.371+/-0.026 χ^2/NDF:8688232.0/57

All: 207.704+/-0.019 χ^2/NDF: 14688581.6/10



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.045 χ^2/NDF: 33.1/32

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

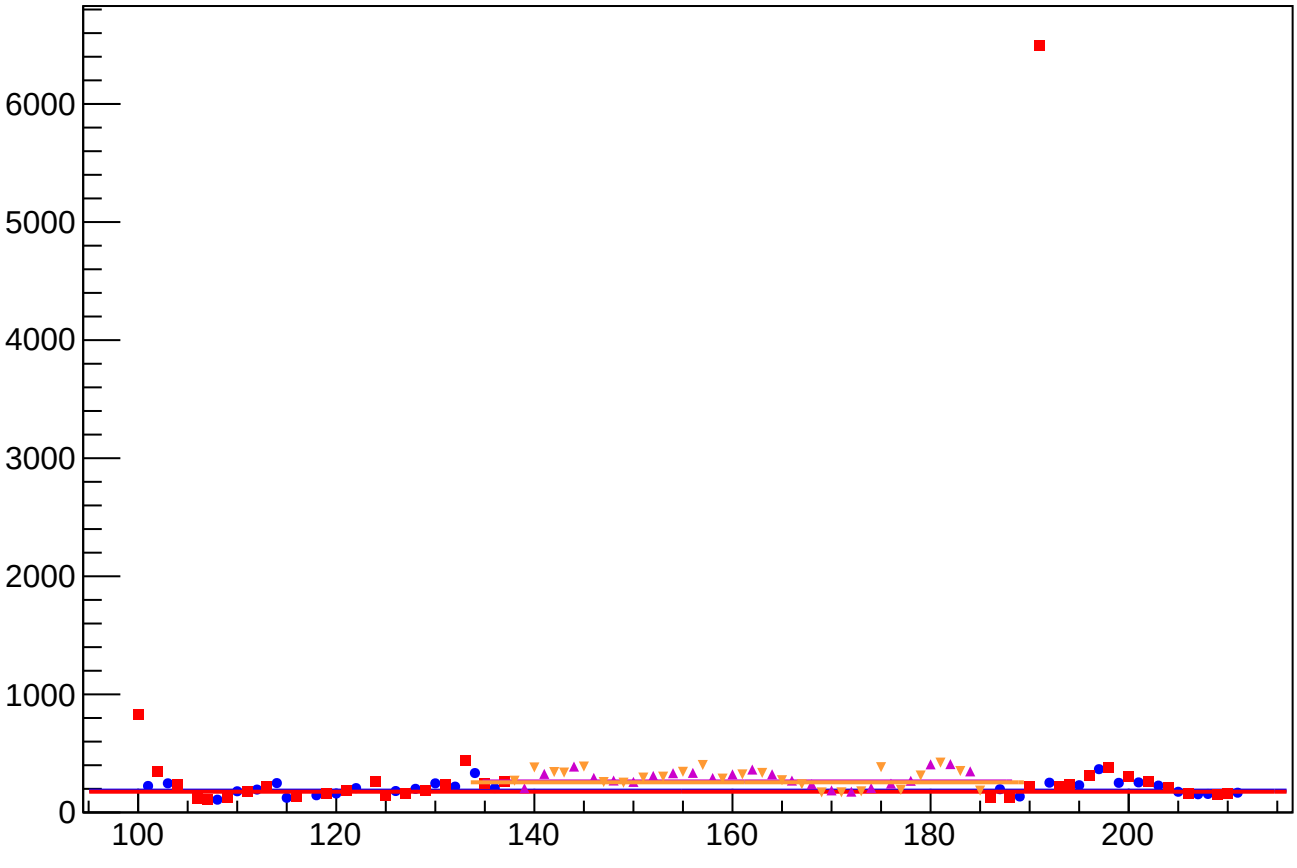
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.034+/-0.033 χ^2/NDF: 63.5/60

In: 0.038+/-0.039 χ^2/NDF:59.9/50

Out: -0.065+/-0.037 χ^2/NDF:57.8/57

All: -0.016+/-0.027 χ^2/NDF: 121.5/108



Right In: 184.996+/-0.034 χ^2/NDF: 2058805.9/27

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 175.661+/-0.032 χ^2/NDF: 3592025.6/32

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

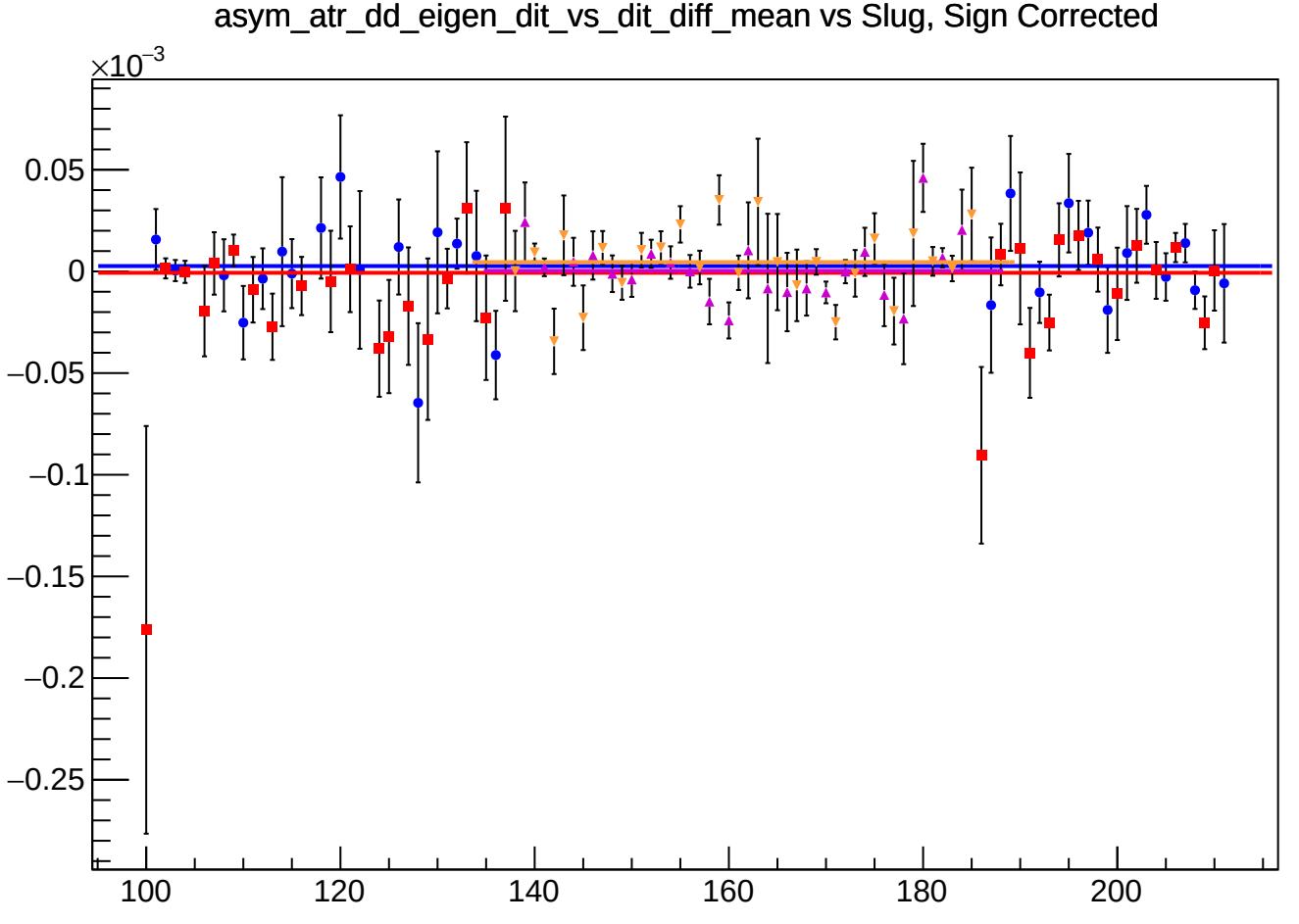
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 180.044+/-0.023 χ^2/NDF: 5690867.3/60

In: 212.550+/-0.027 χ^2/NDF:5940682.8/50

Out: 203.371+/-0.026 χ^2/NDF:8688232.0/57

All: 207.704+/-0.019 χ^2/NDF: 14688581.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/32

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

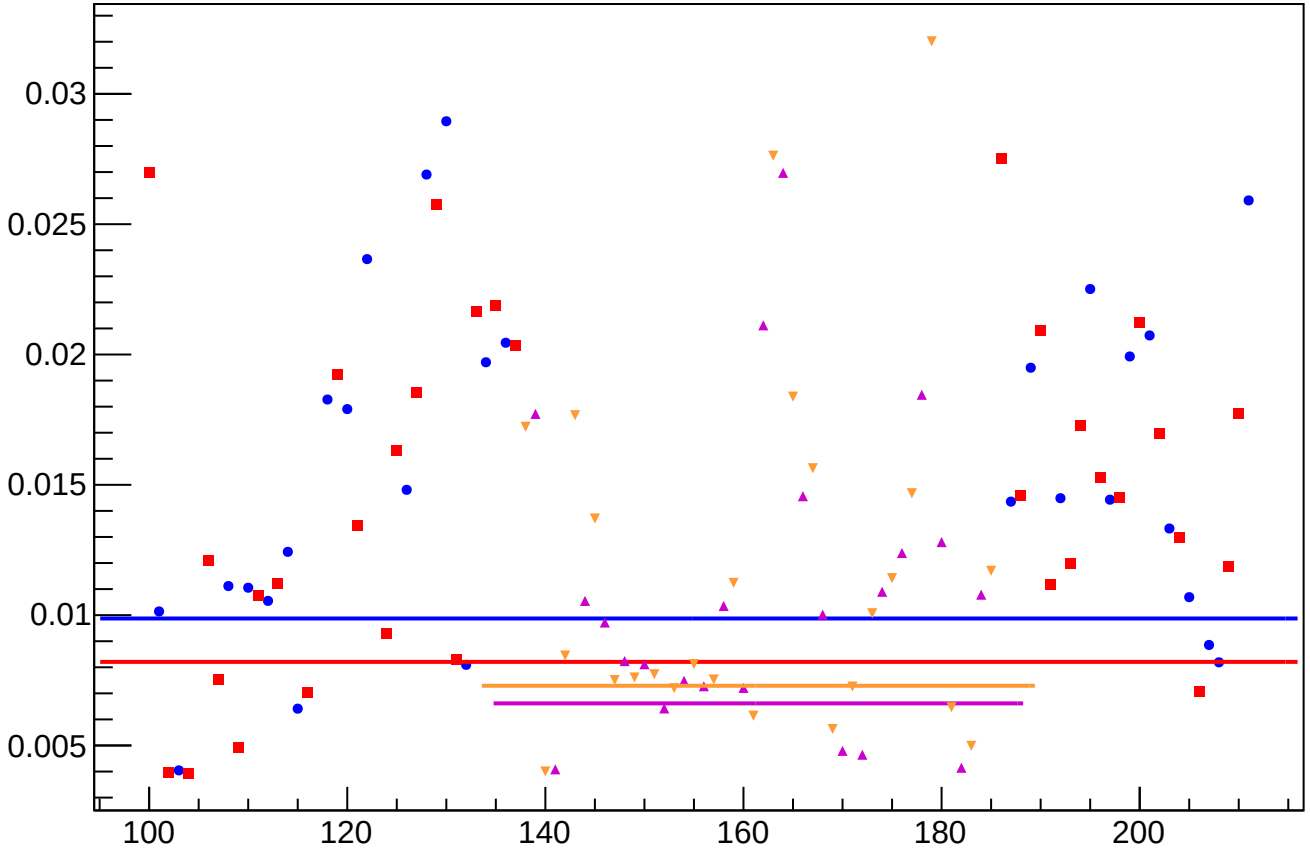
Right: 0.000+/-0.000 χ^2/NDF: 64.9/60

In: 0.000+/-0.000 χ^2/NDF:59.2/50

Out: 0.000+/-0.000 χ^2/NDF:83.1/57

All: 0.000+/-0.000 χ^2/NDF: 142.8/108

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 7766690.8/27

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9937425.1/32

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

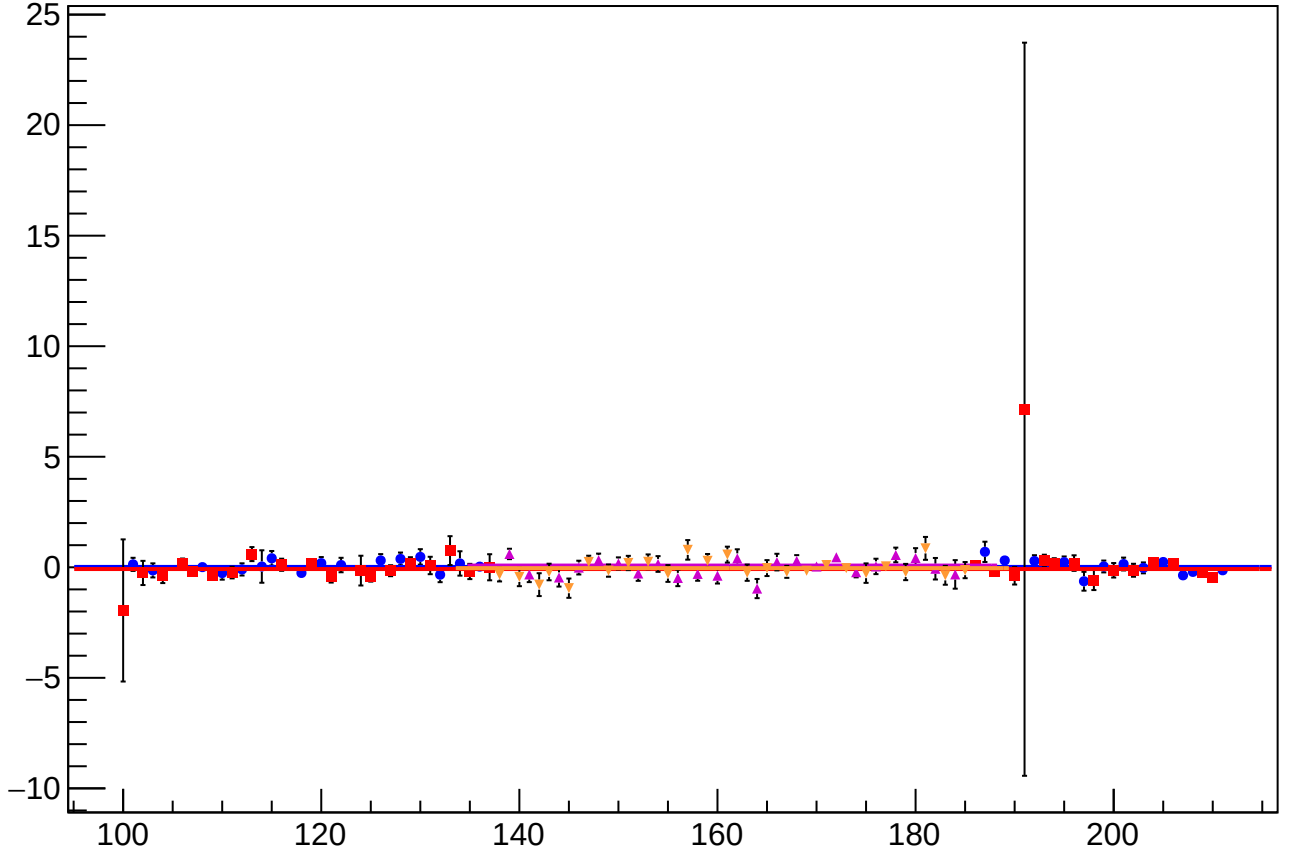
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.009+/-0.000 χ^2/NDF: 18120700.1/60

In: 0.008+/-0.000 χ^2/NDF:16071703.9/50

Out: 0.008+/-0.000 χ^2/NDF:16898985.8/57

All: 0.008+/-0.000 χ^2/NDF: 32975504.1/108



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.045 χ^2/NDF: 33.1/32

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

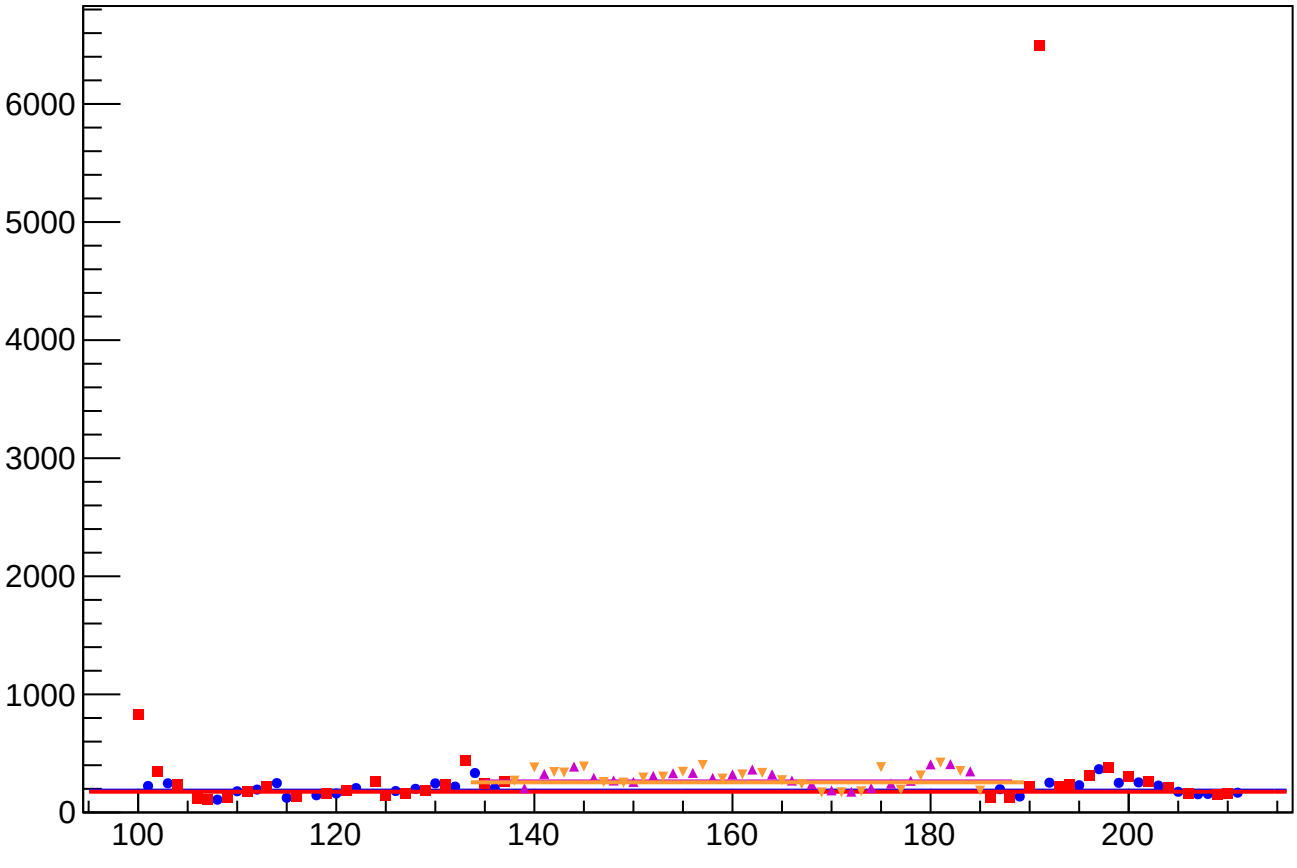
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.034+/-0.033 χ^2/NDF: 63.5/60

In: 0.038+/-0.039 χ^2/NDF:59.9/50

Out: -0.065+/-0.037 χ^2/NDF:57.8/57

All: -0.016+/-0.027 χ^2/NDF: 121.5/108



Right In: 184.997+/-0.034 χ^2/NDF: 2058782.9/27

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 175.662+/-0.032 χ^2/NDF: 3591992.4/32

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

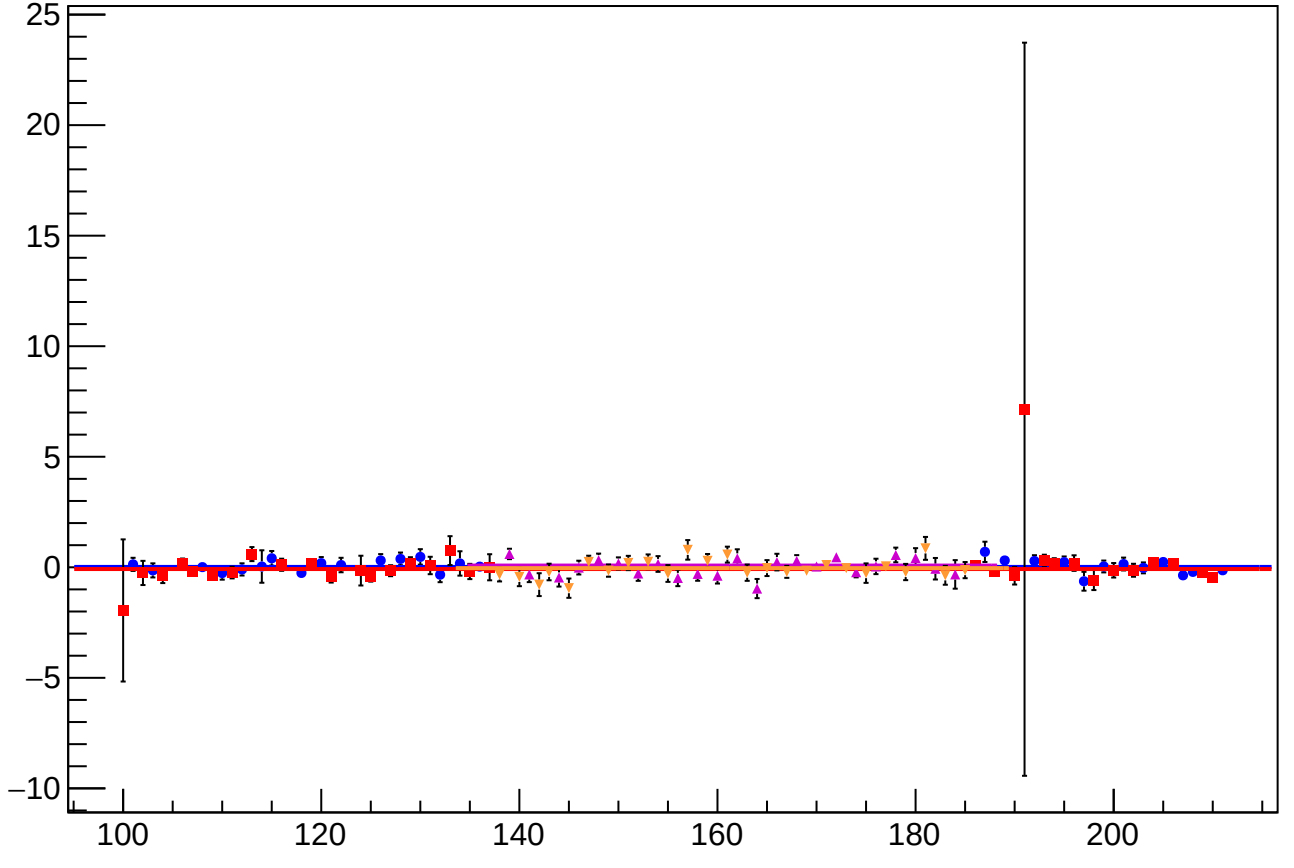
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 180.045+/-0.023 χ^2/NDF: 5690807.6/60

In: 212.551+/-0.027 χ^2/NDF:5940748.5/50

Out: 203.372+/-0.026 χ^2/NDF:8688305.9/57

All: 207.705+/-0.019 χ^2/NDF: 14688717.8/10



Right In: 0.016+/-0.048 χ^2/NDF: 28.3/27

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.045 χ^2/NDF: 33.1/32

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

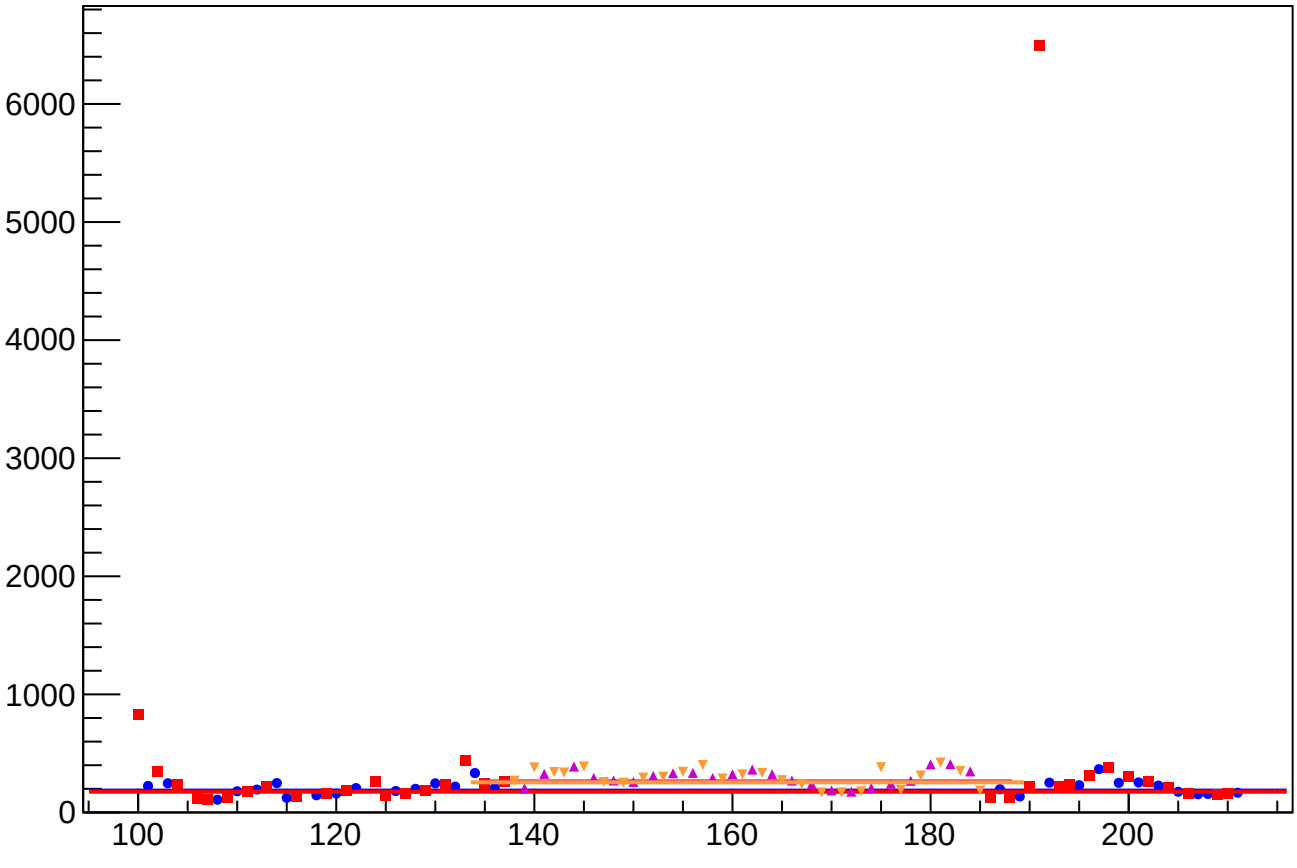
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.034+/-0.033 χ^2/NDF: 63.5/60

In: 0.038+/-0.039 χ^2/NDF:59.9/50

Out: -0.065+/-0.037 χ^2/NDF:57.8/57

All: -0.016+/-0.027 χ^2/NDF: 121.5/108



Right In: 184.997+/-0.034 χ^2/NDF: 2058782.9/27

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 175.662+/-0.032 χ^2/NDF: 3591992.4/32

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

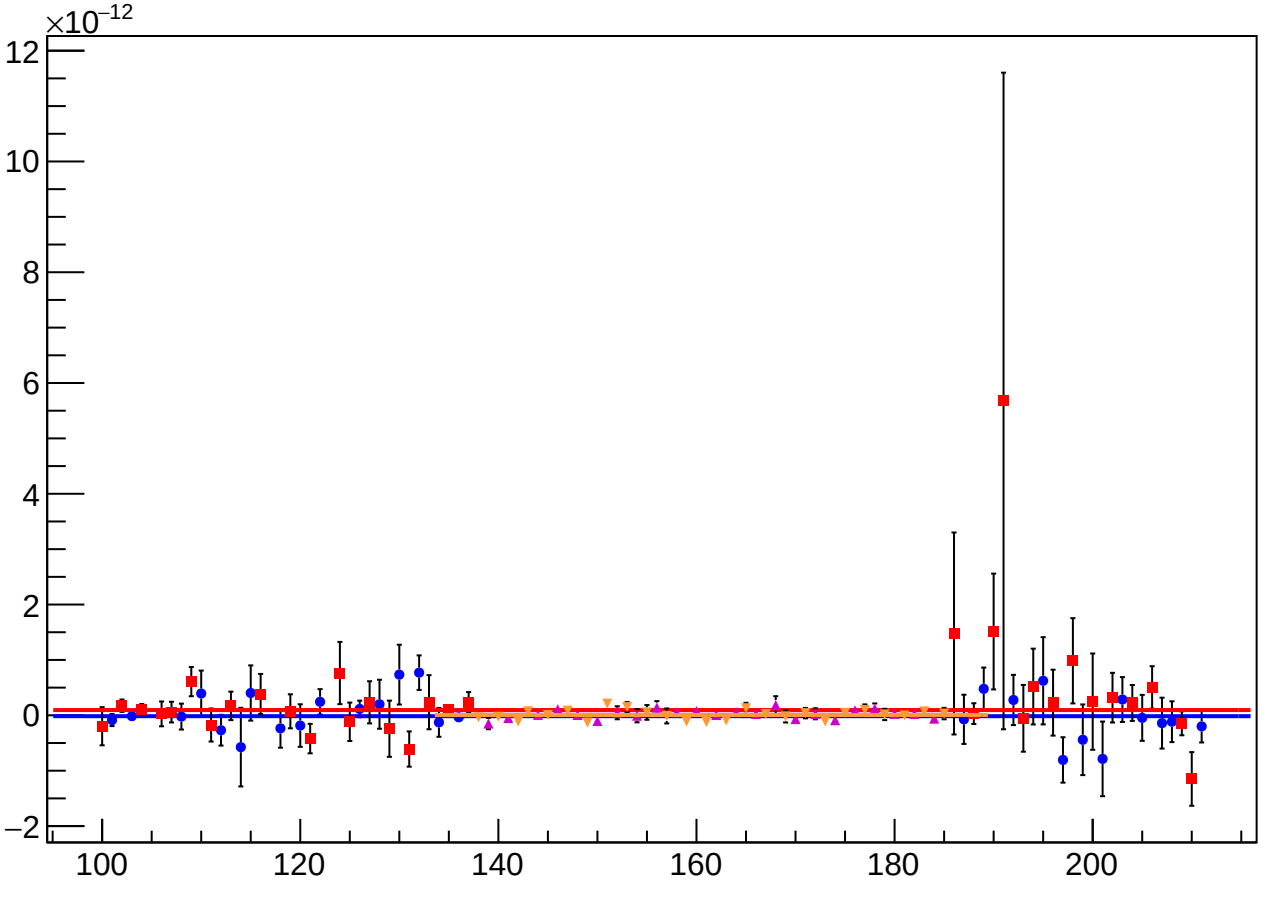
Right: 180.045+/-0.023 χ^2/NDF: 5690807.6/60

In: 212.551+/-0.027 χ^2/NDF:5940748.5/50

Out: 203.372+/-0.026 χ^2/NDF:8688305.9/57

All: 207.705+/-0.019 χ^2/NDF: 14688717.8/10

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/32

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

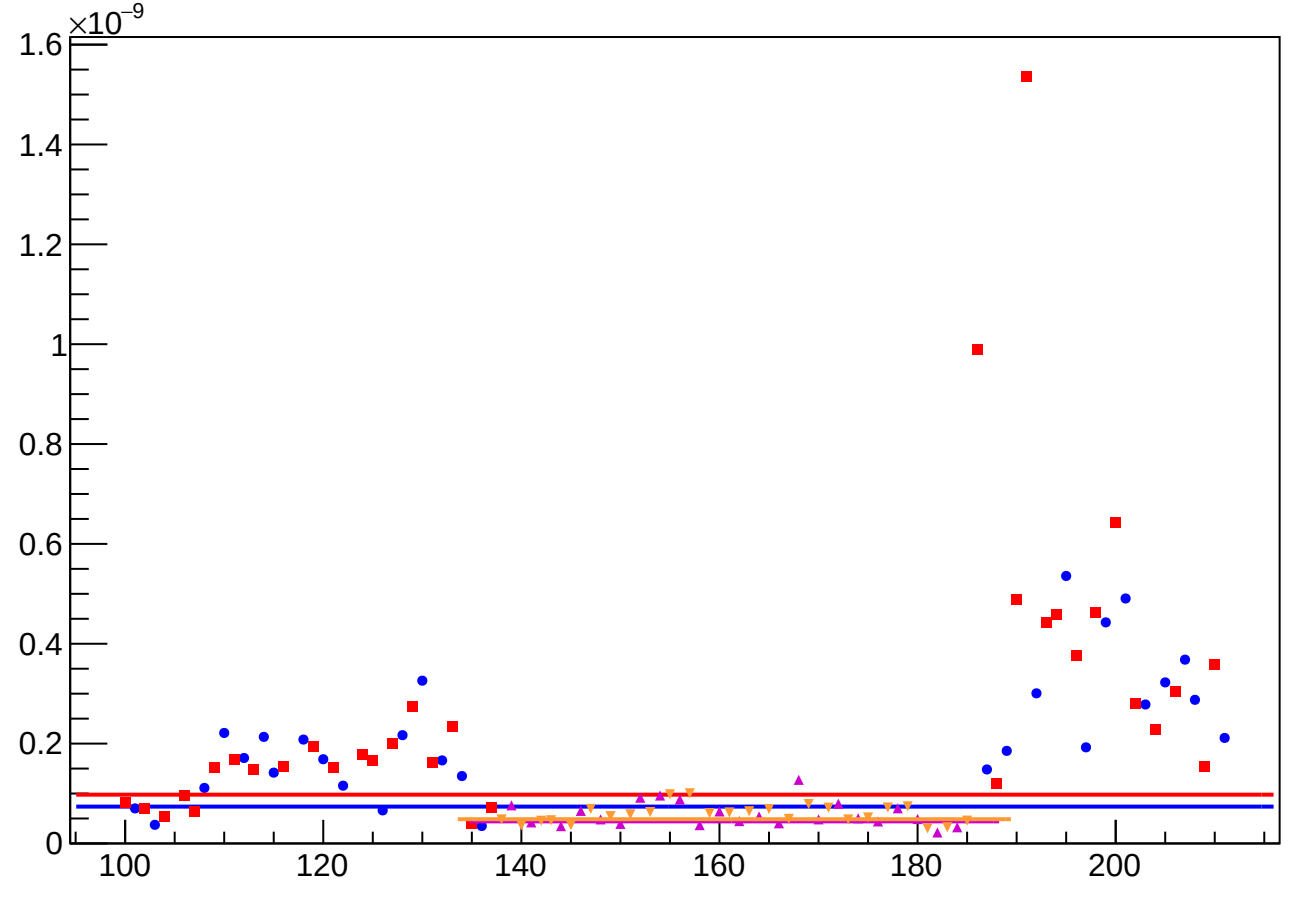
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 62.0/60

In: 0.000+/-0.000 χ^2/NDF:46.1/50

Out: 0.000+/-0.000 χ^2/NDF:68.1/57

All: 0.000+/-0.000 χ^2/NDF: 114.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 9918887.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8894242.5/32

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

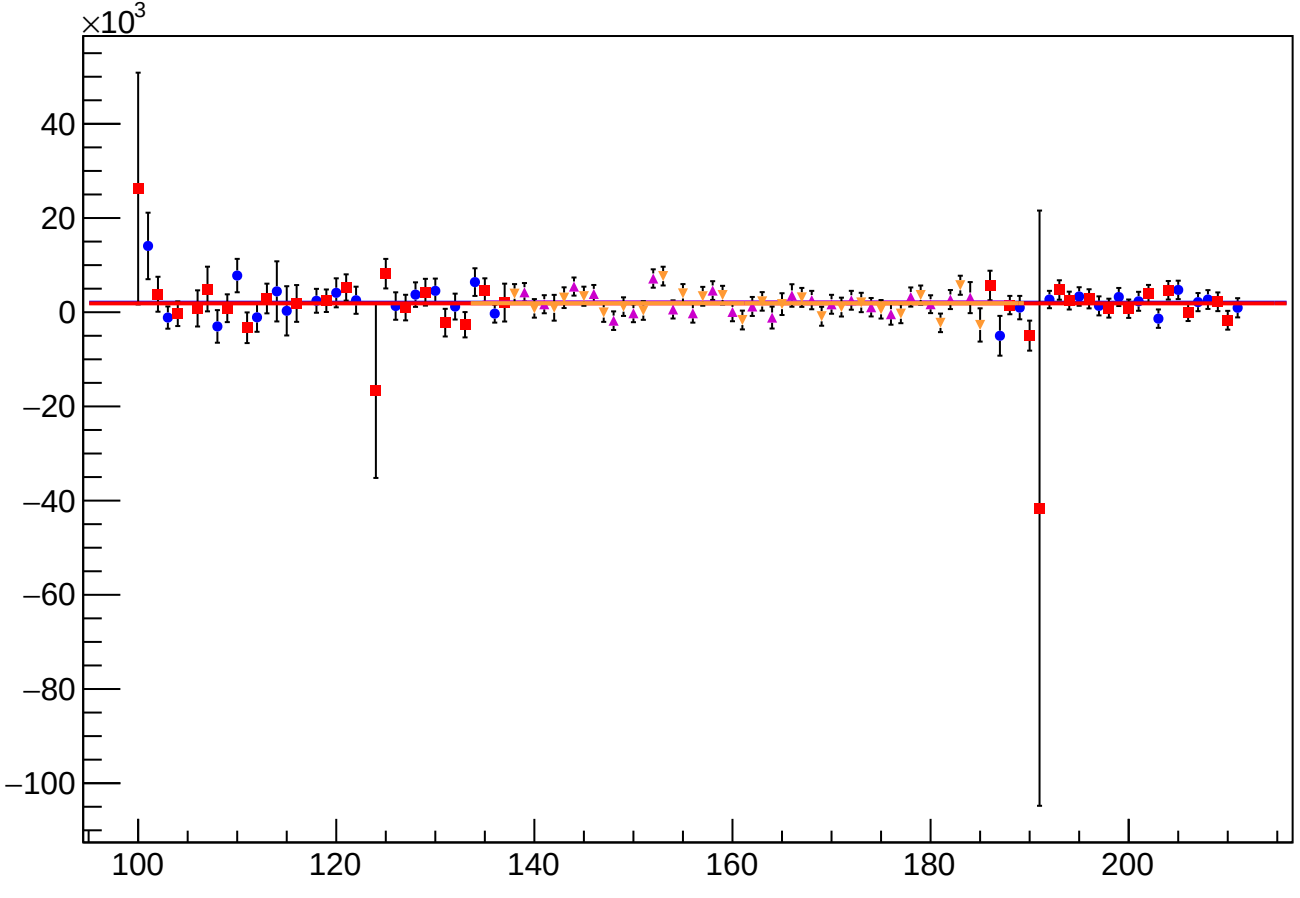
Right: 0.000+/-0.000 χ^2/NDF: 19238835.4/60

In: 0.000+/-0.000 χ^2/NDF:14850023.2/50

Out: 0.000+/-0.000 χ^2/NDF:14170792.9/57

All: 0.000+/-0.000 χ^2/NDF: 29220661.3/108

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2023.846+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 1879.229+/-451.187 χ^2/NDF: 35.4/32

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

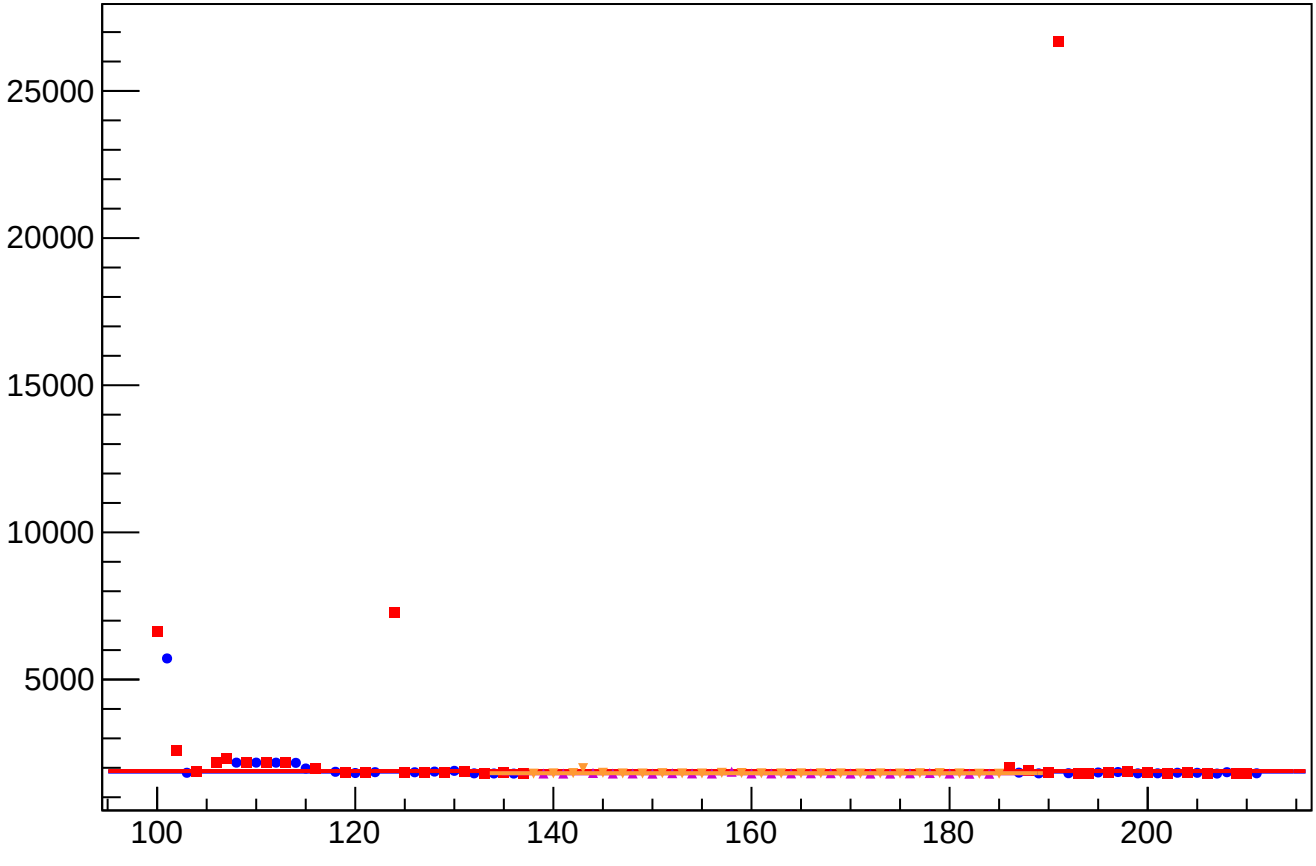
Right: 1949.648+/-323.179 χ^2/NDF: 61.3/60

In: 2051.290+/-312.415 χ^2/NDF:52.4/50

Out: 1901.756+/-304.608 χ^2/NDF:67.9/57

All: 1974.631+/-218.098 χ^2/NDF: 120.4/108

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1890.586+/-0.319 χ^2/NDF: 740053.4/32

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

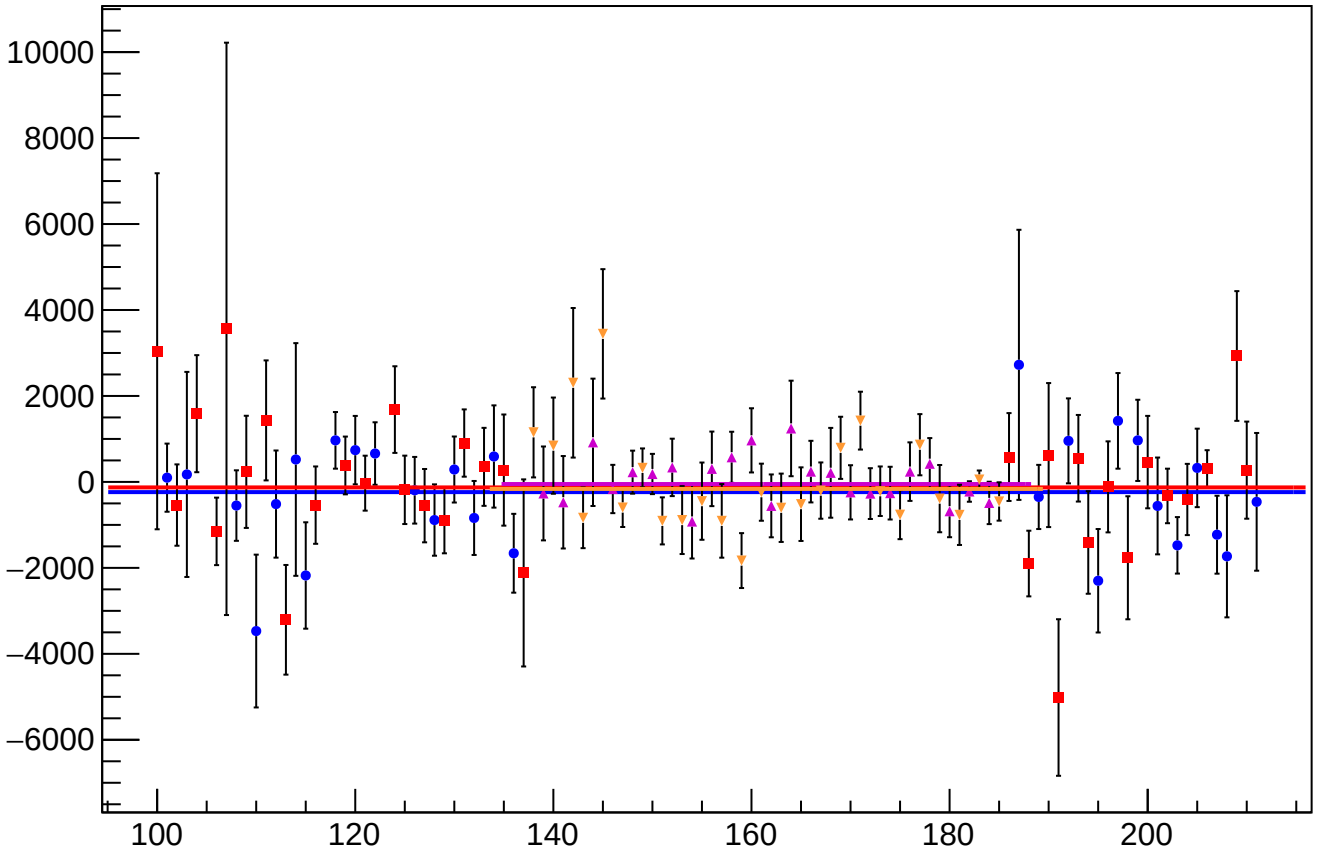
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1880.622+/-0.229 χ^2/NDF: 1409216.7/60

In: 1838.745+/-0.221 χ^2/NDF:686019.2/50

Out: 1850.825+/-0.215 χ^2/NDF:781548.9/57

All: 1844.938+/-0.154 χ^2/NDF: 1469101.0/10



Right In: -237.342+/-180.255 χ^2/NDF: 32.6/27

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -128.025+/-161.858 χ^2/NDF: 41.8/32

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

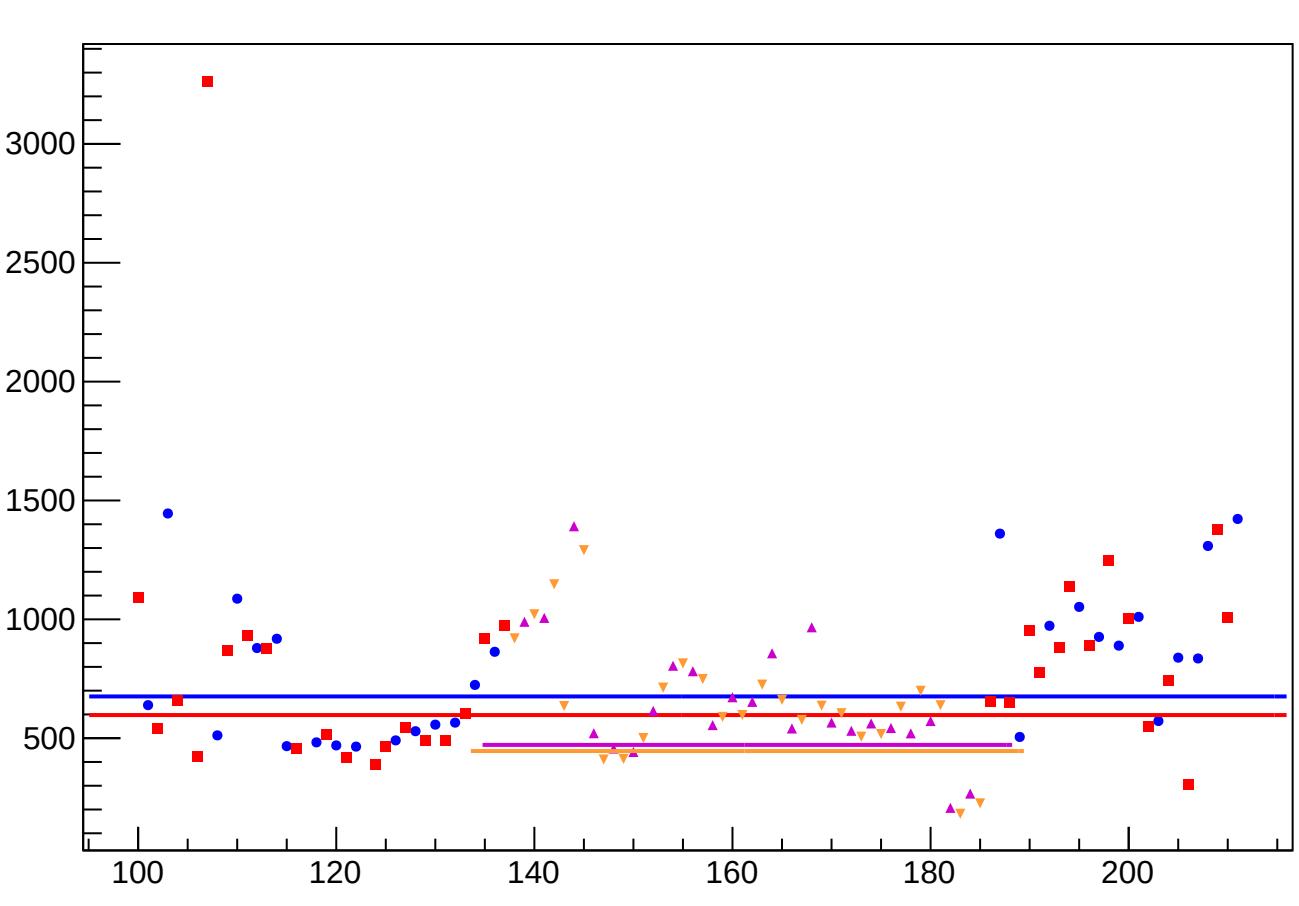
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -176.822+/-120.431 χ^2/NDF: 74.5/60

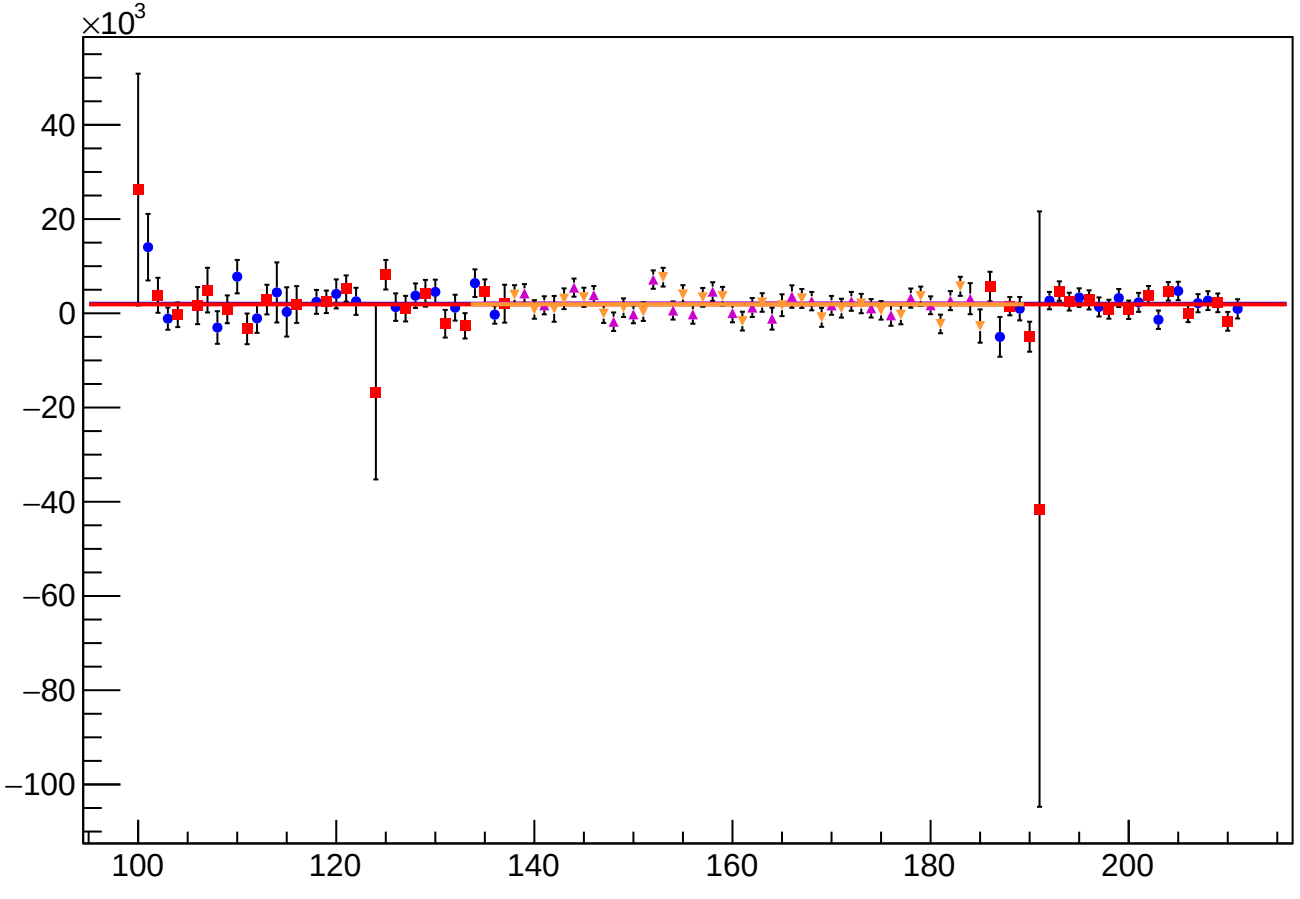
In: -108.828+/-101.426 χ^2/NDF:44.7/50

Out: -151.224+/-93.907 χ^2/NDF:78.6/57

All: -131.656+/-68.907 χ^2/NDF: 123.4/108


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 675.625+/-0.127 χ²/NDF: 3307022.9/27
Left Out: 445.893+/-0.082 χ²/NDF:7982455.6/24
Right Out: 597.358+/-0.114 χ²/NDF: 4733451.9/32
Left In: 471.746+/-0.087 χ²/NDF:6413905.5/22
Left: 458.017+/-0.059 χ²/NDF: 14443518.4/47
Right: 632.295+/-0.085 χ²/NDF: 8249224.2/60
In: 536.295+/-0.072 χ²/NDF:11469452.4/50
Out: 496.878+/-0.066 χ²/NDF:13877779.7/57
All: 515.071+/-0.049 χ²/NDF: 25509882.3/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2023.775+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1890.855+/-451.336 χ^2/NDF: 35.3/32

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

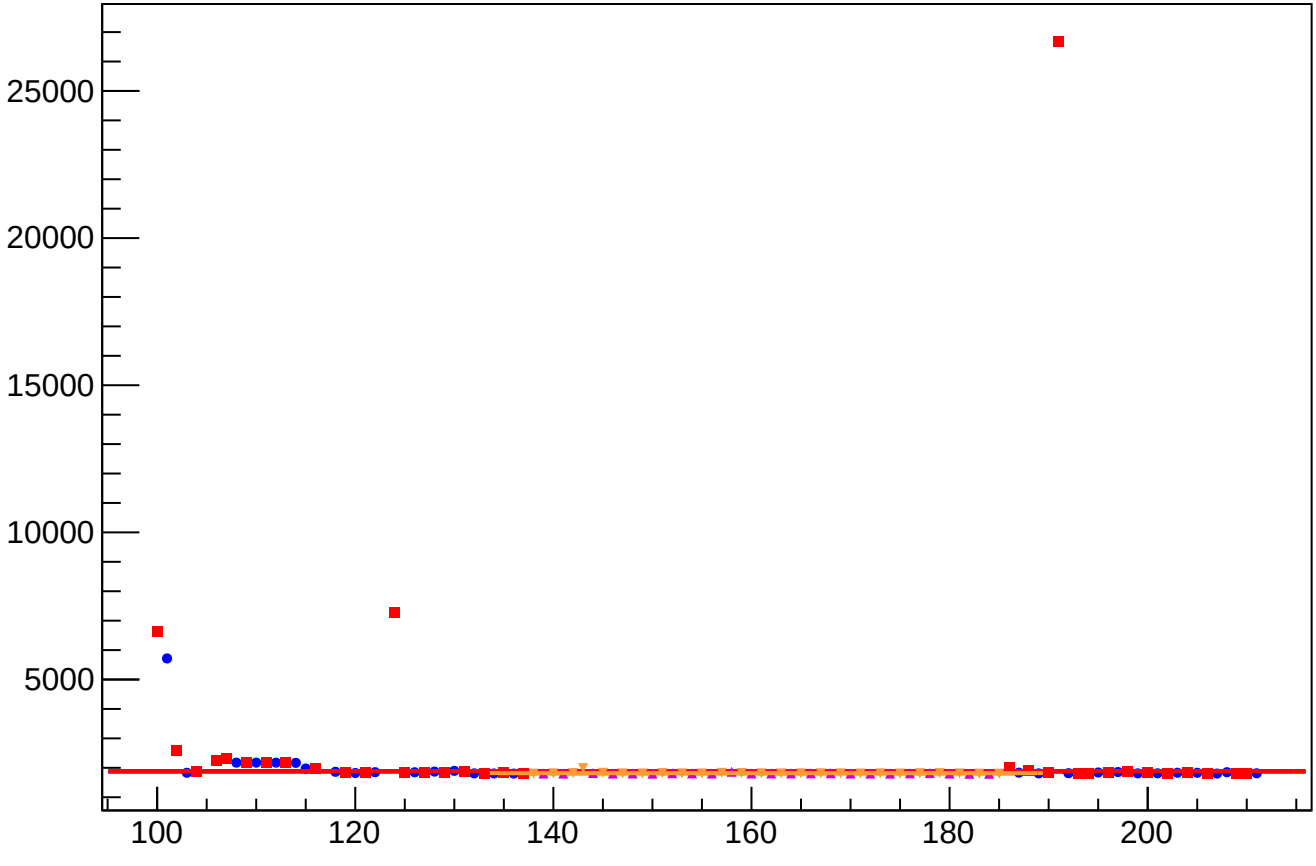
Right: 1955.600+/-323.233 χ^2/NDF: 61.2/60

In: 2051.313+/-312.415 χ^2/NDF:52.4/50

Out: 1907.041+/-304.654 χ^2/NDF:67.9/57

All: 1977.362+/-218.115 χ^2/NDF: 120.3/108

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1891.054+/-0.319 χ^2/NDF: 743751.3/32

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

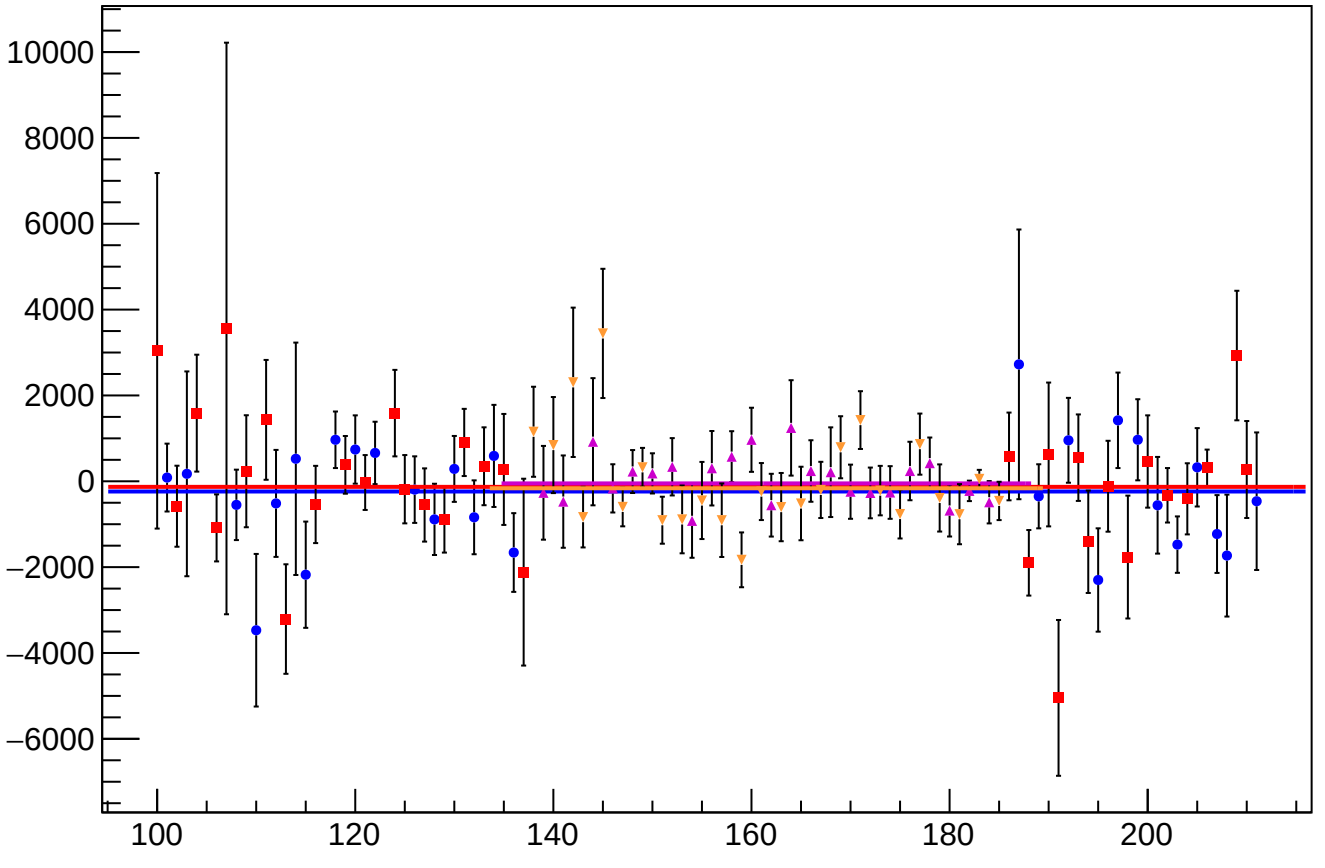
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1880.858+/-0.229 χ^2/NDF: 1413006.7/60

In: 1838.745+/-0.221 χ^2/NDF:686019.1/50

Out: 1851.027+/-0.215 χ^2/NDF:785603.4/57

All: 1845.040+/-0.154 χ^2/NDF: 1473206.7/10



Right In: -237.803+/-180.232 χ^2/NDF: 32.6/27

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -129.822+/-161.798 χ^2/NDF: 41.4/32

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

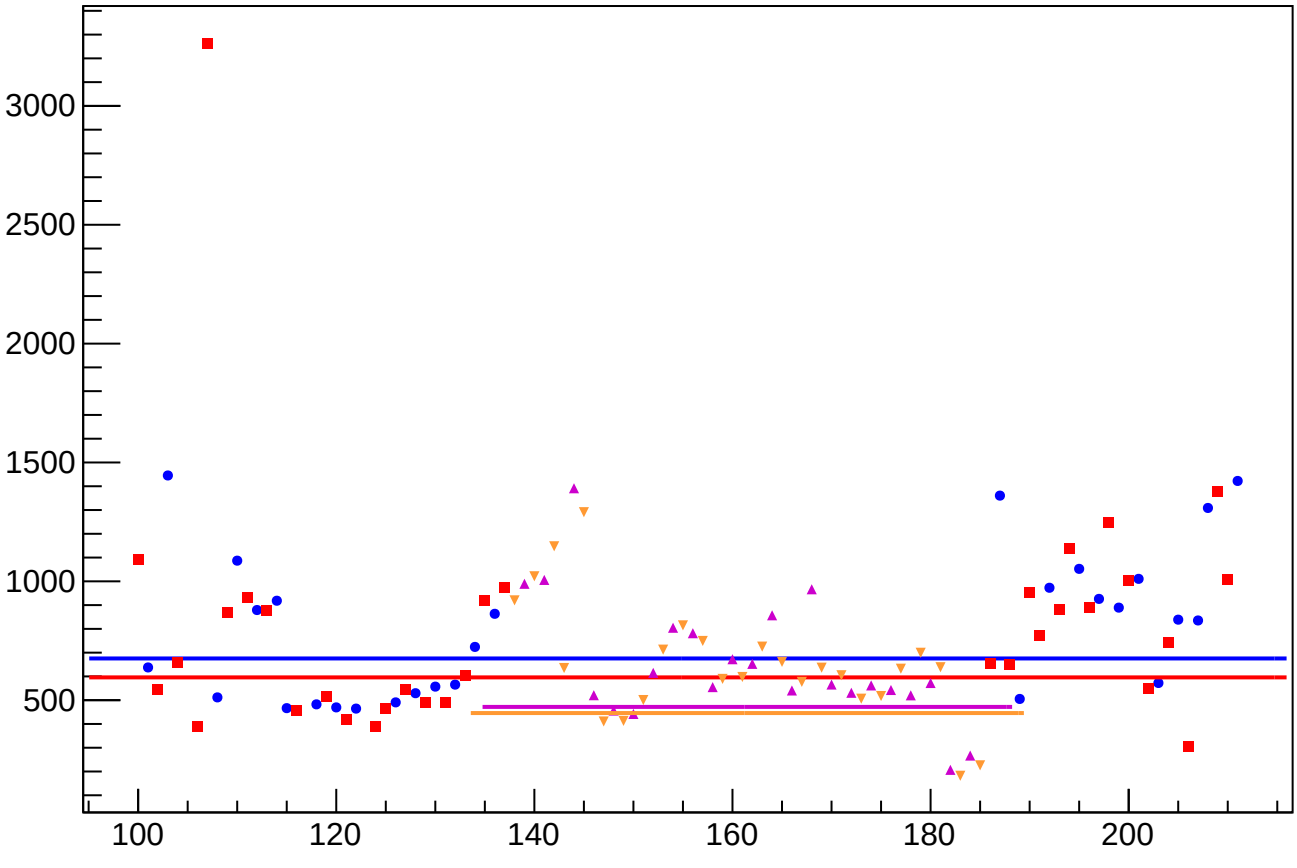
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -178.009+/-120.400 χ^2/NDF: 74.2/60

In: -109.000+/-101.423 χ^2/NDF:44.6/50

Out: -151.768+/-93.893 χ^2/NDF:78.3/57

All: -132.031+/-68.901 χ^2/NDF: 123.0/108


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
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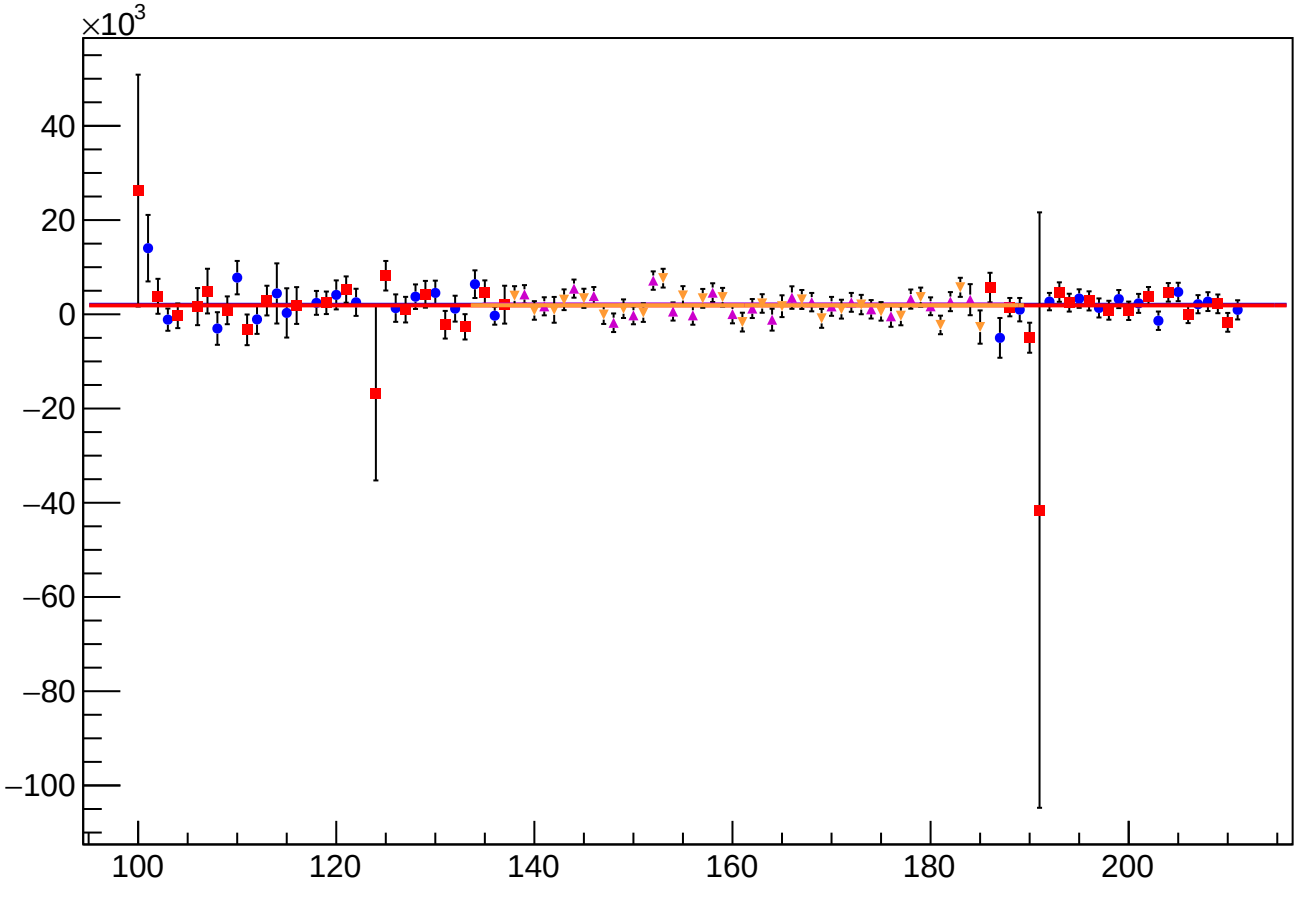
180
200
Right In: 675.546+/-0.127 χ²/NDF: 3307436.4/27
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 595.918+/-0.114 χ²/NDF: 4776058.8/32
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 631.453+/-0.085 χ²/NDF: 8299665.0/60
In: 536.291+/-0.072 χ²/NDF:11468366.1/50
Out: 496.398+/-0.066 χ²/NDF:13900799.9/57
All: 514.809+/-0.049 χ²/NDF: 25535786.9/10



Right In: 2023.775+/-463.134 χ^2/NDF: 25.8/27

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1890.855+/-451.336 χ^2/NDF: 35.3/32

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

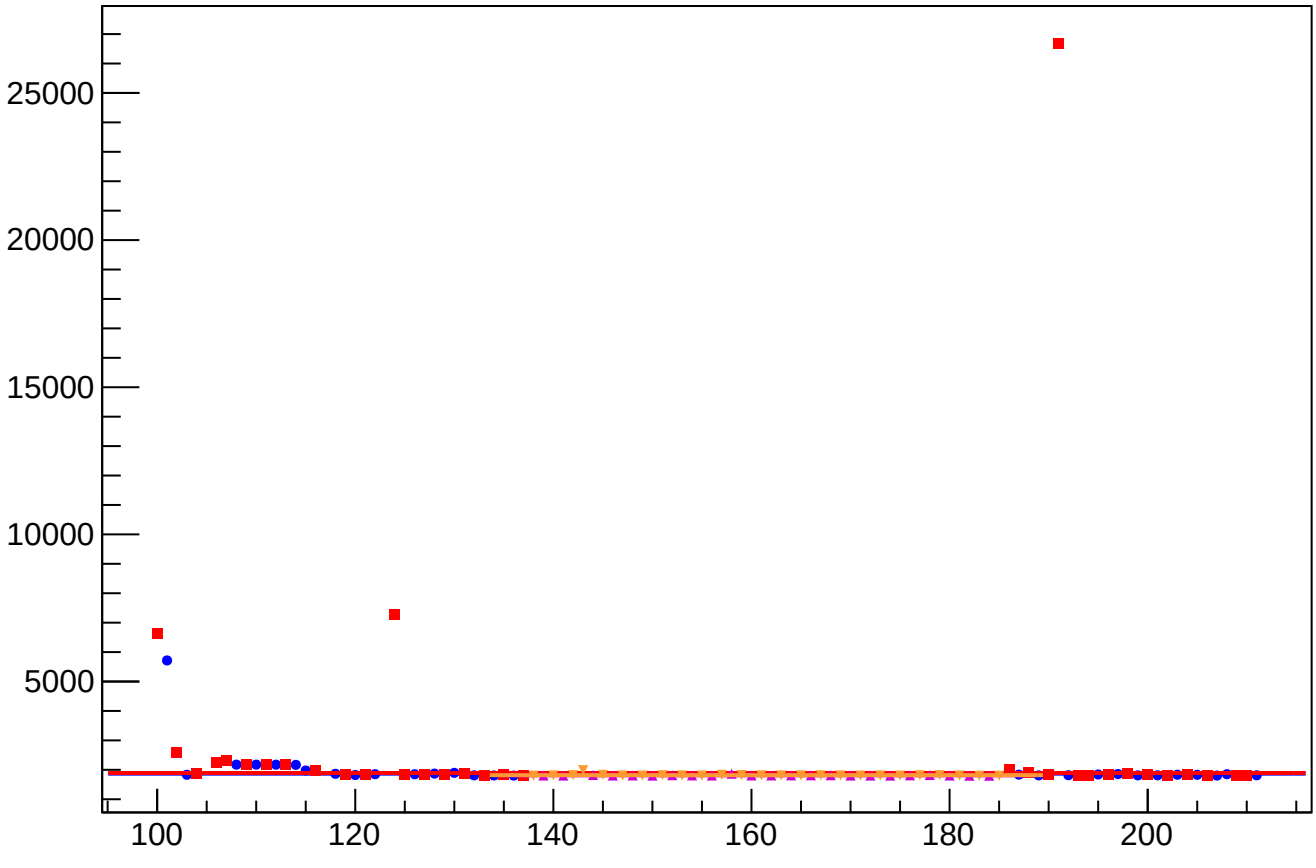
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1955.600+/-323.233 χ^2/NDF: 61.2/60

In: 2051.313+/-312.415 χ^2/NDF:52.4/50

Out: 1907.041+/-304.654 χ^2/NDF:67.9/57

All: 1977.362+/-218.115 χ^2/NDF: 120.3/108



Right In: 1870.123+/-0.327 χ^2/NDF: 667160.1/27

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1891.054+/-0.319 χ^2/NDF: 743751.3/32

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

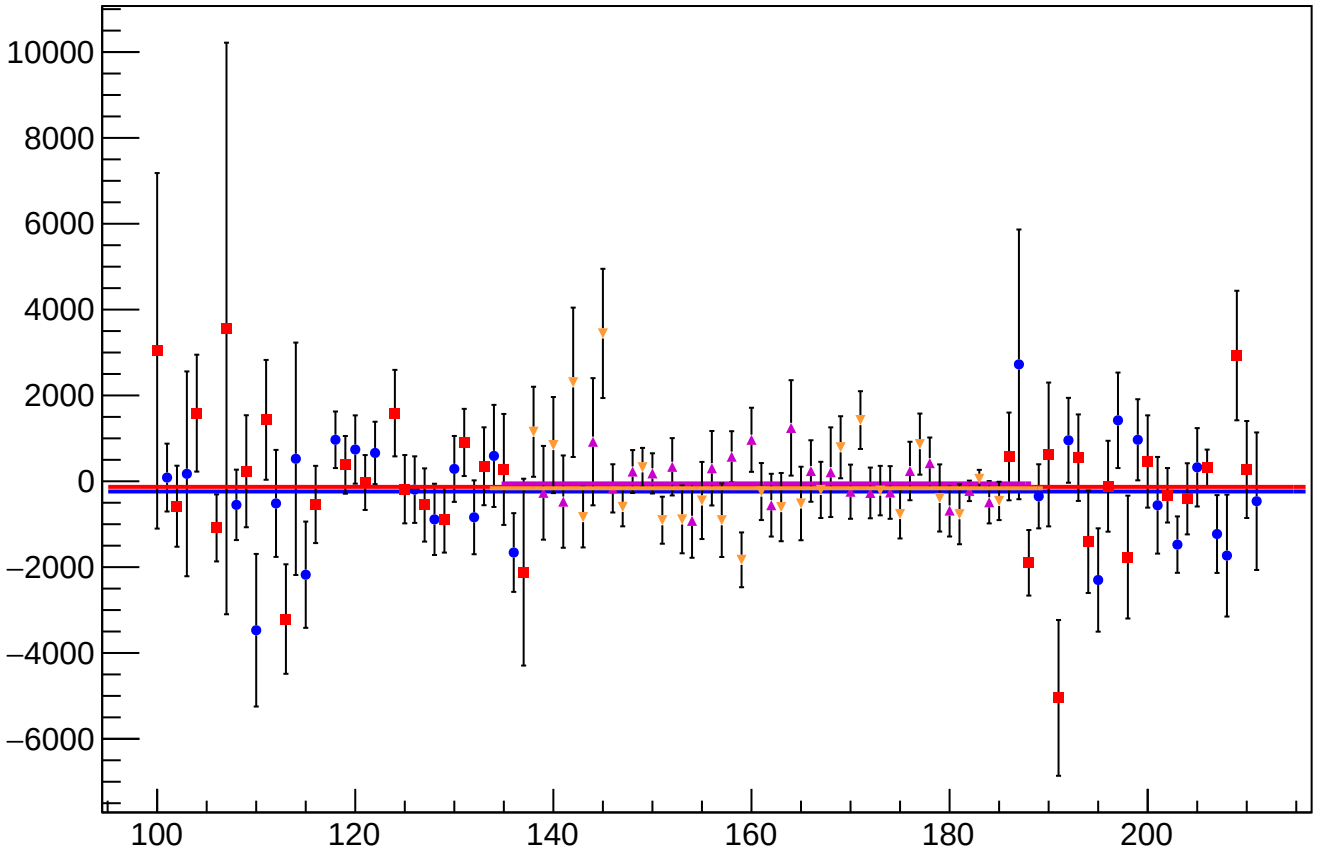
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1880.858+/-0.229 χ^2/NDF: 1413006.7/60

In: 1838.745+/-0.221 χ^2/NDF:686019.1/50

Out: 1851.027+/-0.215 χ^2/NDF:785603.4/57

All: 1845.040+/-0.154 χ^2/NDF: 1473206.7/10



Right In: -237.803+/-180.232 χ^2/NDF: 32.6/27

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -129.822+/-161.798 χ^2/NDF: 41.4/32

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

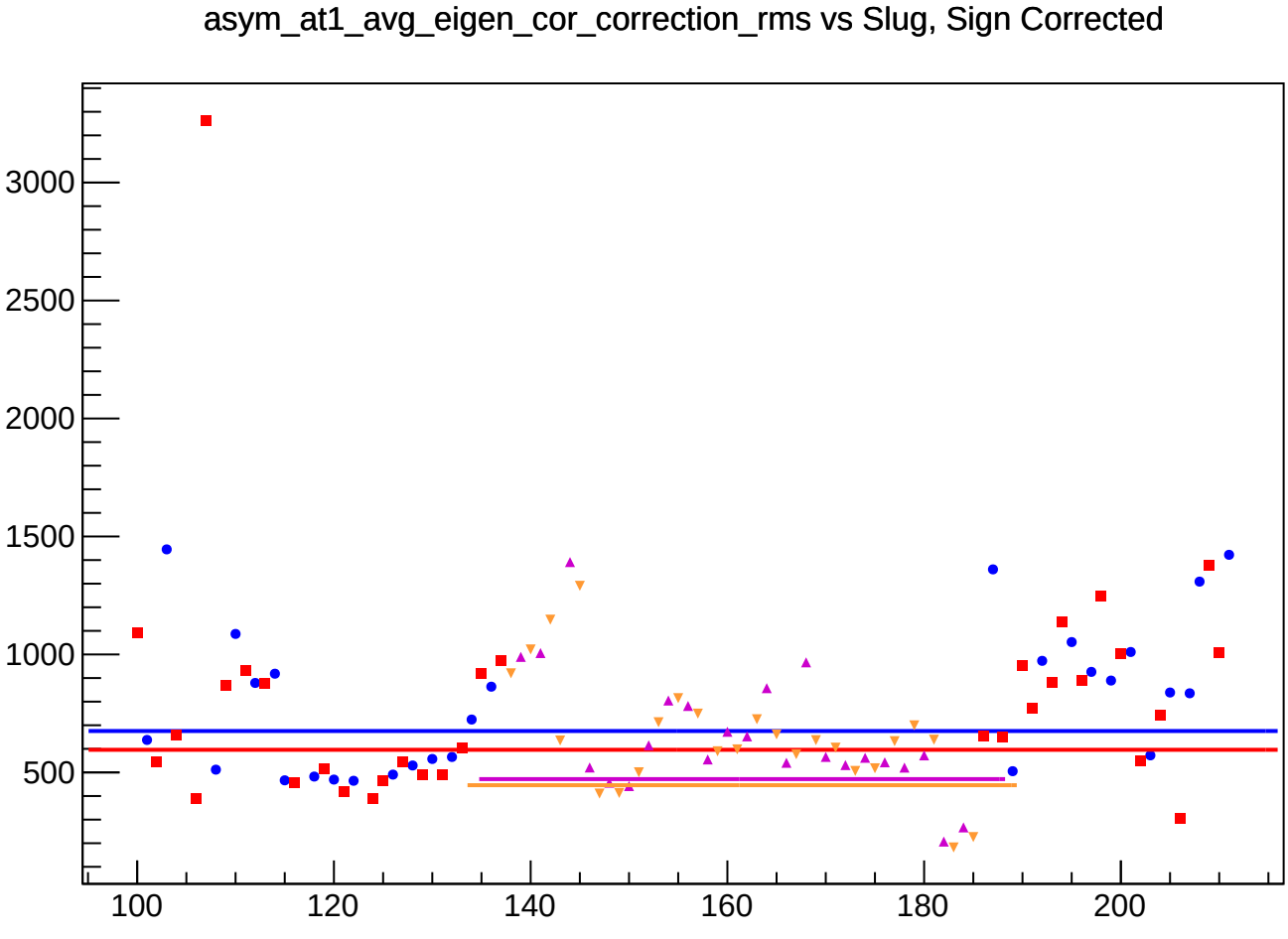
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -178.009+/-120.400 χ^2/NDF: 74.2/60

In: -109.000+/-101.423 χ^2/NDF:44.6/50

Out: -151.768+/-93.893 χ^2/NDF:78.3/57

All: -132.031+/-68.901 χ^2/NDF: 123.0/108


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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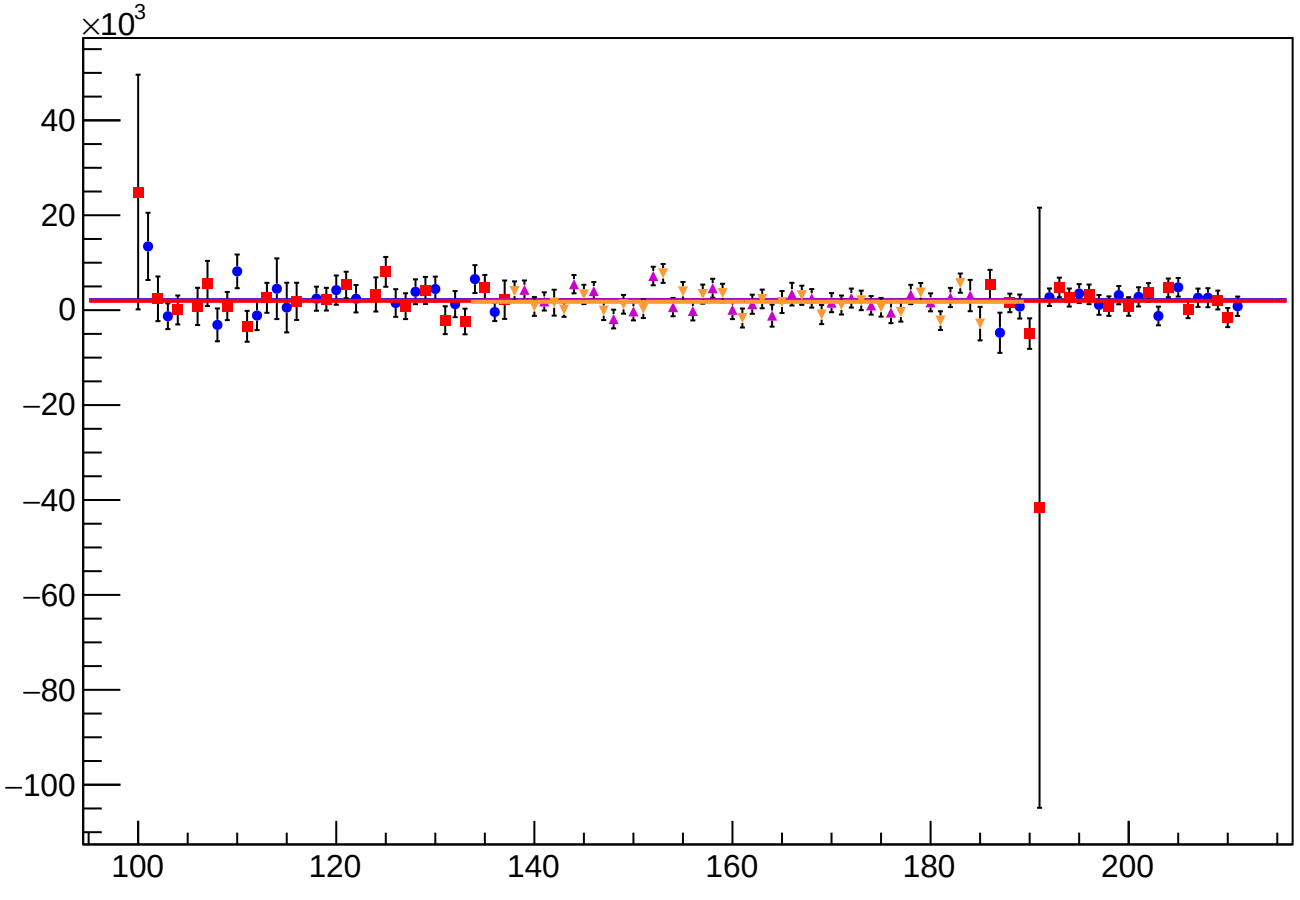
Right In: 675.546+/-0.127 χ²/NDF: 3307436.4/27
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 595.918+/-0.114 χ²/NDF: 4776058.8/32
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 631.453+/-0.085 χ²/NDF: 8299665.0/60
In: 536.291+/-0.072 χ²/NDF:11468366.1/50
Out: 496.398+/-0.066 χ²/NDF:13900799.9/57
All: 514.809+/-0.049 χ²/NDF: 25535786.9/10



Right In: 2107.531+/-467.587 χ^2/NDF: 26.0/27

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1971.322+/-453.785 χ^2/NDF: 32.9/32

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

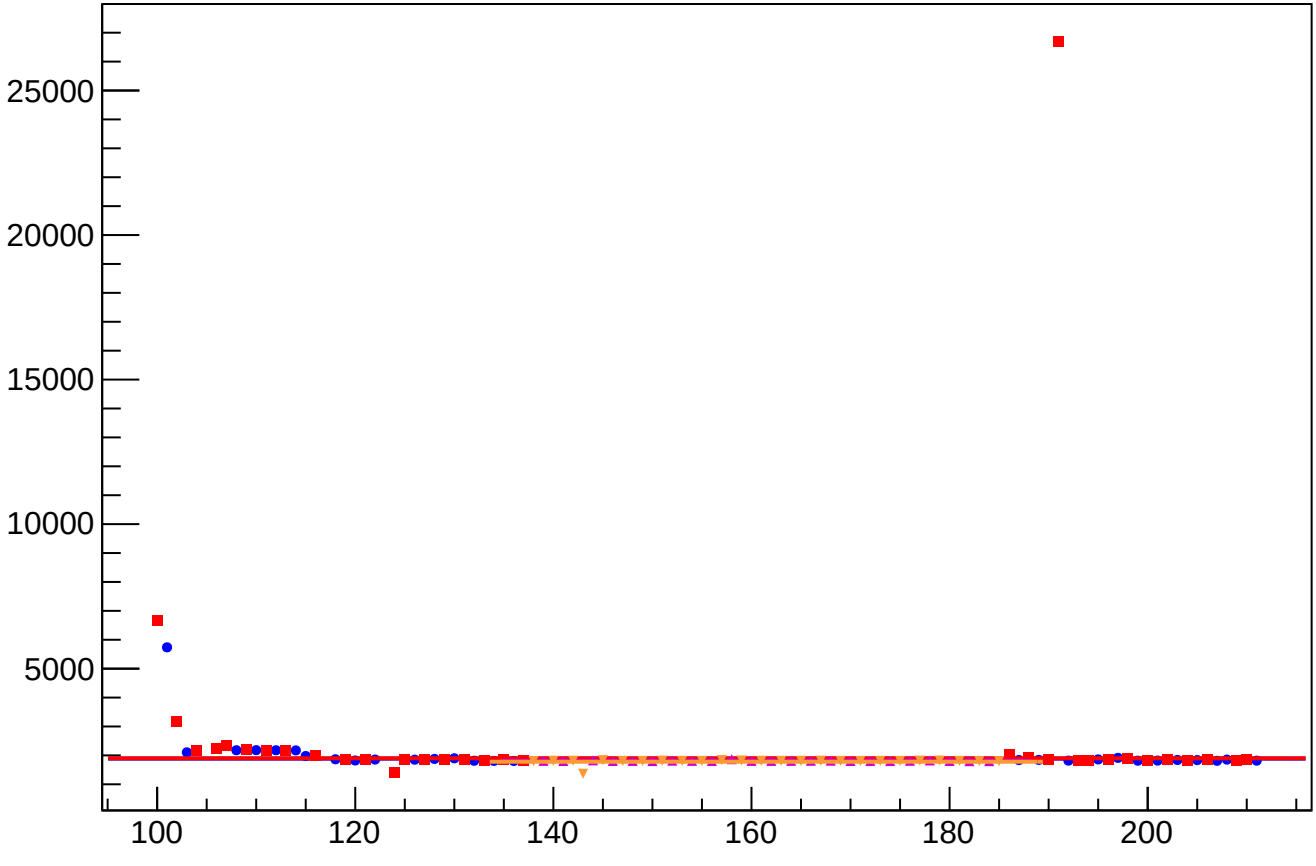
Right: 2037.387+/-325.645 χ^2/NDF: 58.9/60

In: 2088.809+/-313.952 χ^2/NDF:53.0/50

Out: 1851.292+/-302.326 χ^2/NDF:66.8/57

All: 1965.571+/-217.771 χ^2/NDF: 120.1/108

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1887.534+/-0.331 χ^2/NDF: 678444.8/27

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF: 696810.4/32

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

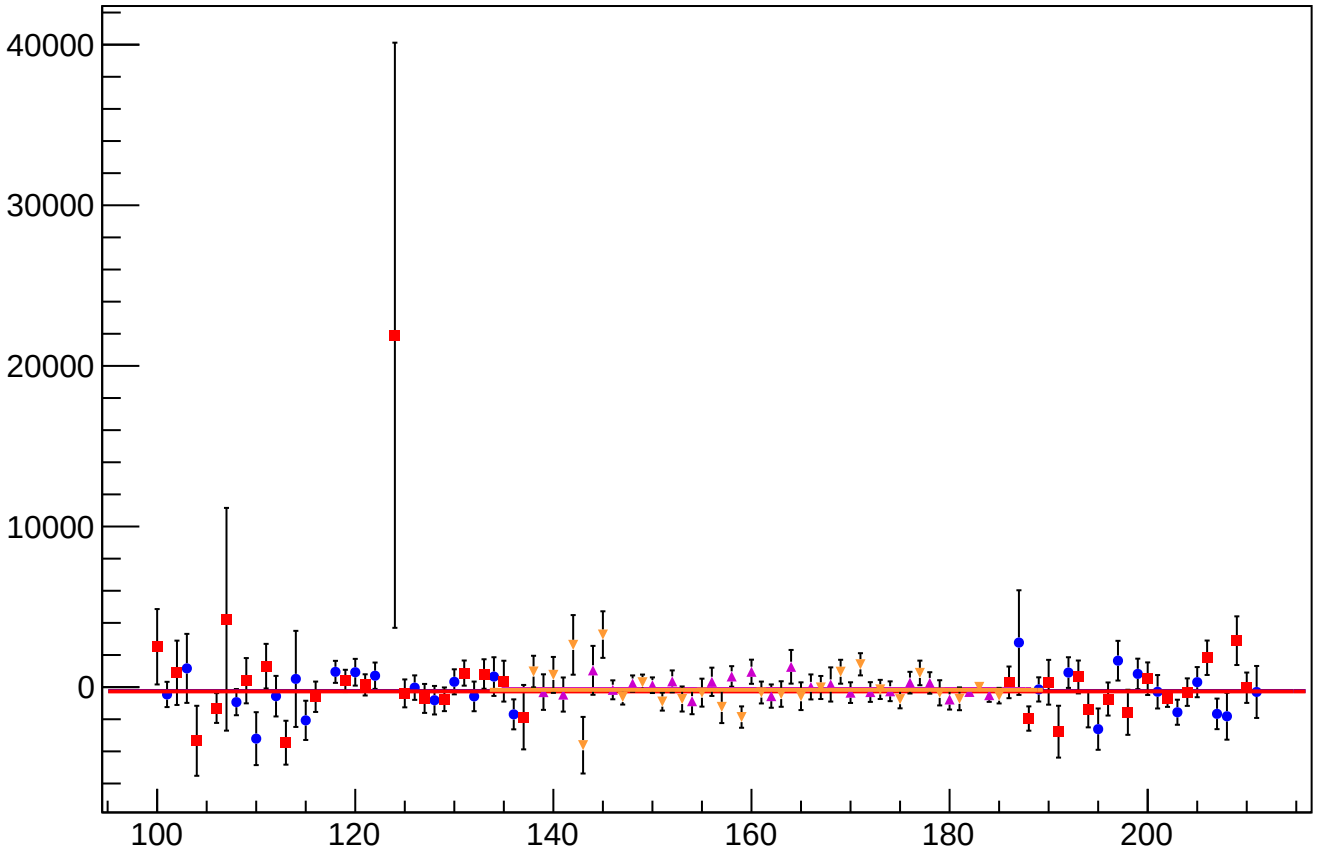
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1893.933+/-0.230 χ^2/NDF: 1375982.6/60

In: 1847.389+/-0.222 χ^2/NDF:707384.1/50

Out: 1833.754+/-0.214 χ^2/NDF:938297.6/57

All: 1840.314+/-0.154 χ^2/NDF: 1647639.2/10



Right In: -240.177+/-186.348 χ^2/NDF: 33.3/27

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -265.088+/-174.866 χ^2/NDF: 40.9/32

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

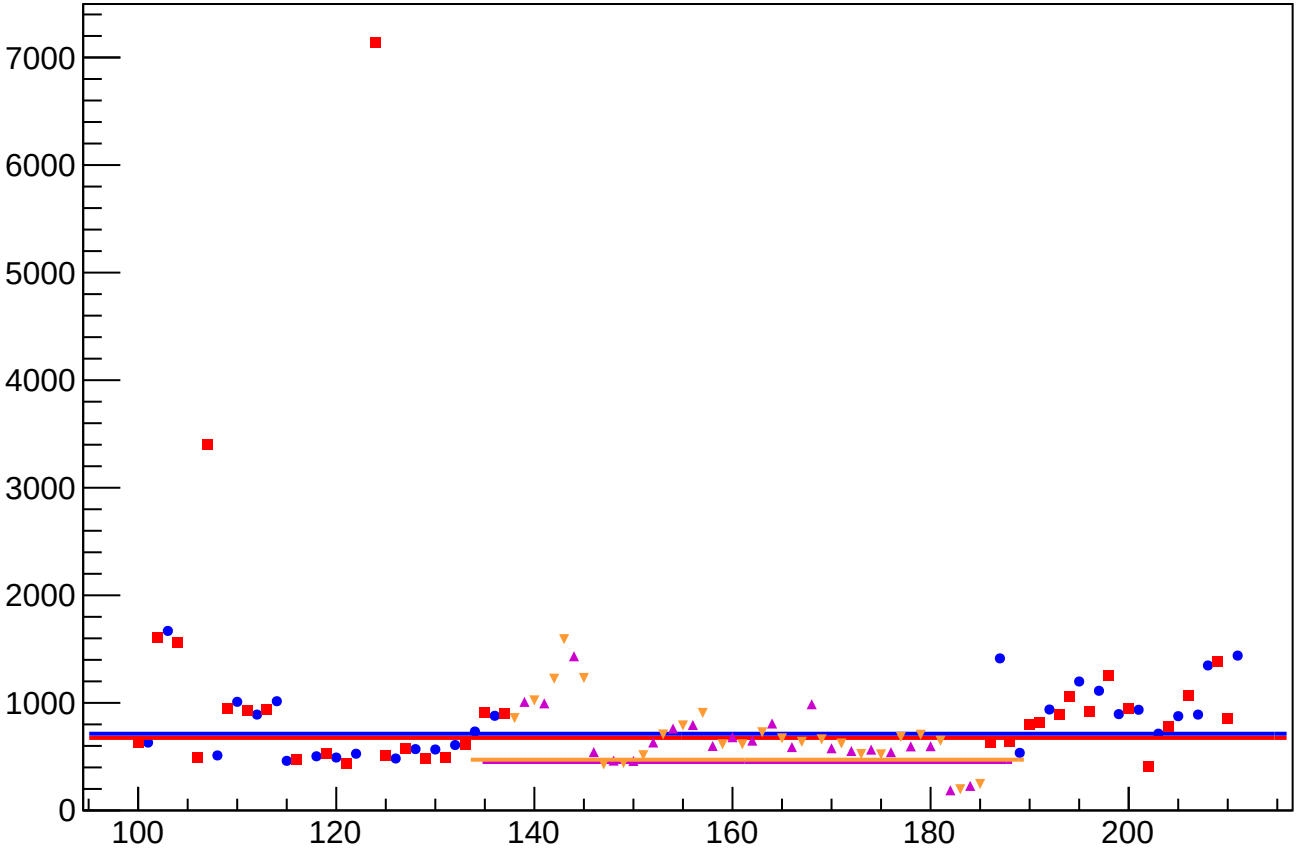
Right: -253.423+/-127.515 χ^2/NDF: 74.1/60

In: -153.158+/-100.755 χ^2/NDF:45.9/50

Out: -199.594+/-99.850 χ^2/NDF:79.4/57

All: -176.586+/-70.922 χ^2/NDF: 125.4/108

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 713.265+/-0.132 χ^2/NDF: 3463089.1/27

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 674.365+/-0.124 χ^2/NDF: 4879634.0/32

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

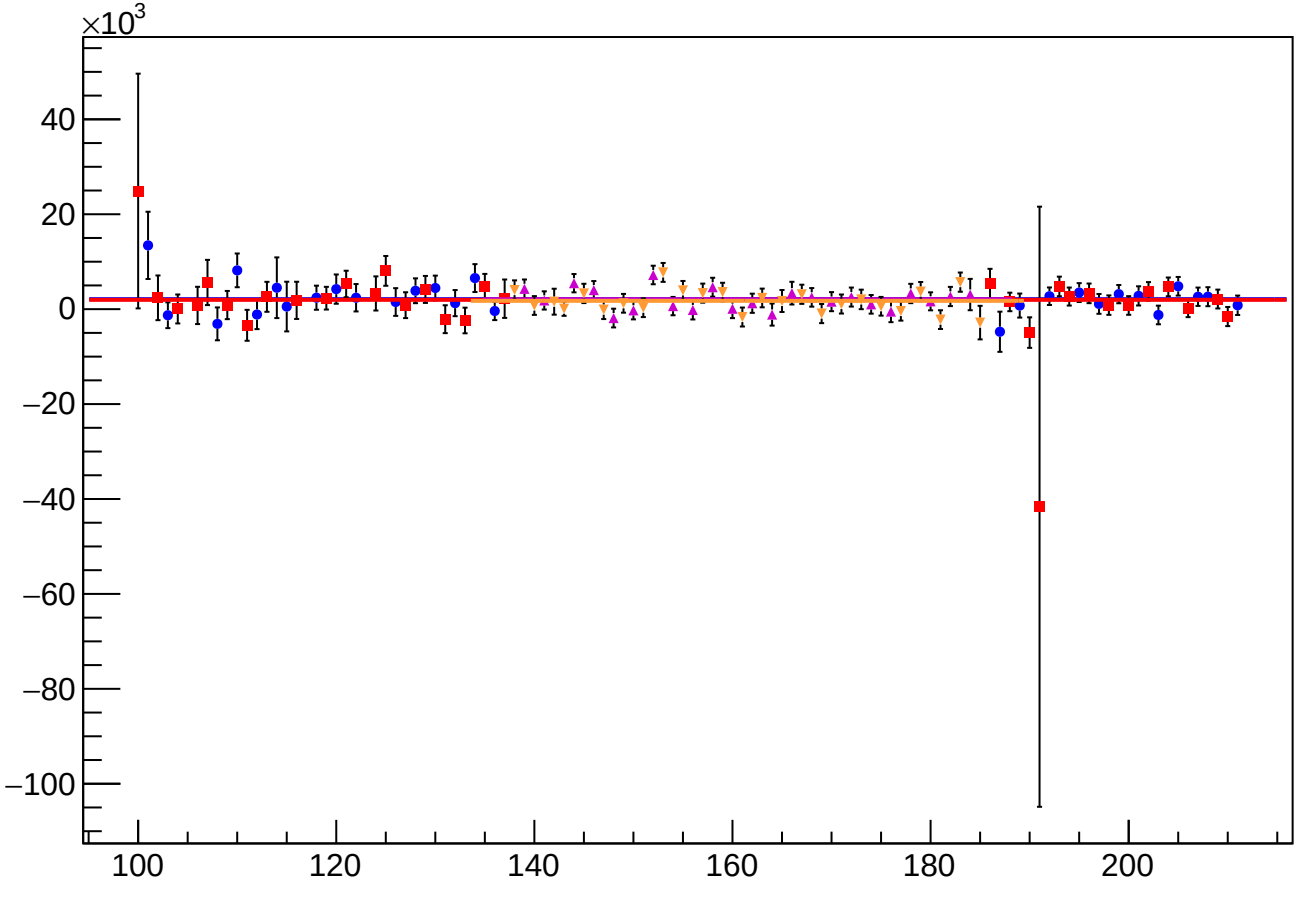
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 692.580+/-0.090 χ^2/NDF: 8389067.8/60

In: 527.424+/-0.071 χ^2/NDF:14202281.6/50

Out: 537.831+/-0.071 χ^2/NDF:14801449.8/57

All: 532.674+/-0.050 χ^2/NDF: 29014497.7/10



Right In: 2107.529+/-467.587 χ^2/NDF: 26.0/27

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1971.321+/-453.785 χ^2/NDF: 32.9/32

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

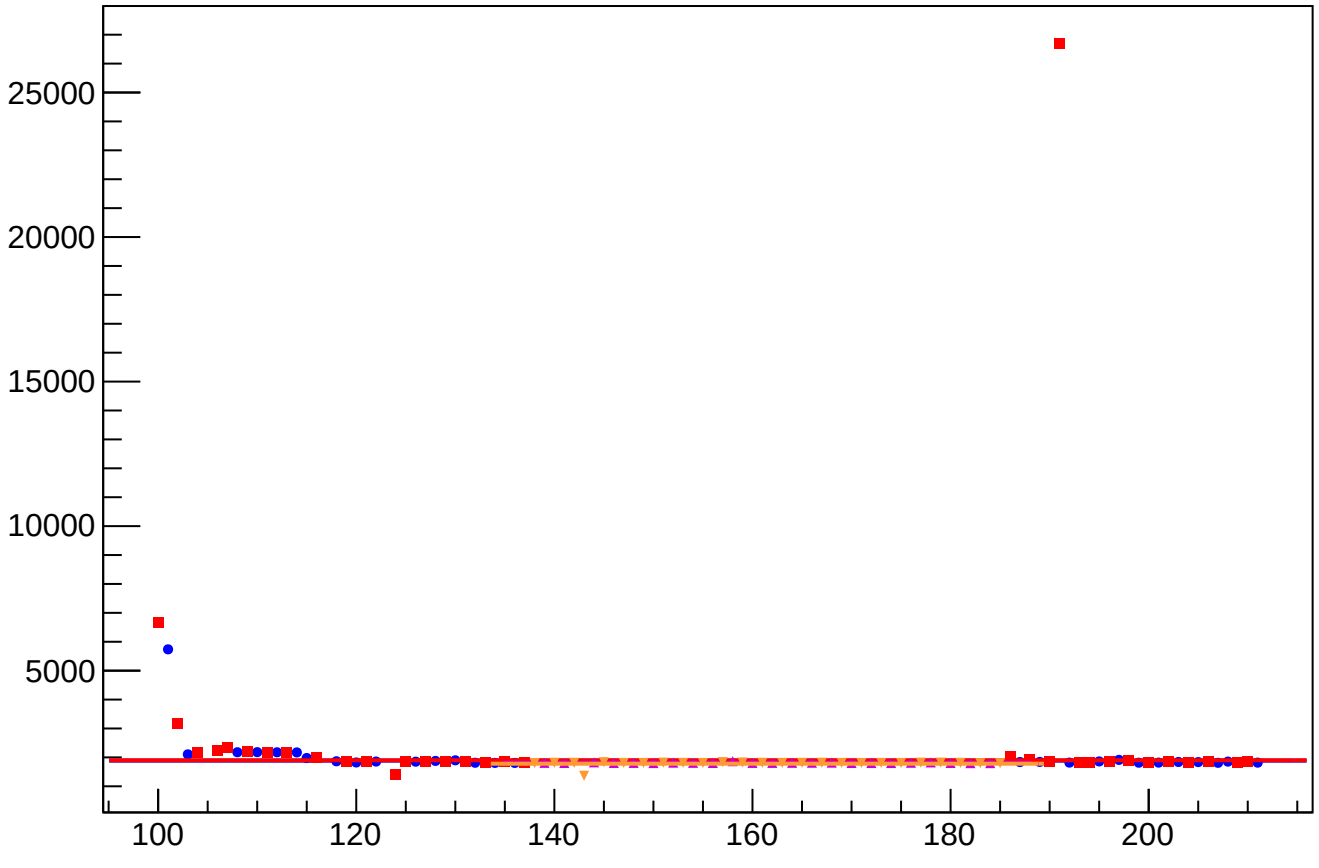
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2037.385+/-325.645 χ^2/NDF: 58.9/60

In: 2088.808+/-313.952 χ^2/NDF:53.0/50

Out: 1851.291+/-302.326 χ^2/NDF:66.8/57

All: 1965.571+/-217.771 χ^2/NDF: 120.1/108



Right In: 1887.534+/-0.331 χ^2/NDF: 678444.4/27

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1899.960+/-0.321 χ^2/NDF: 696809.0/32

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

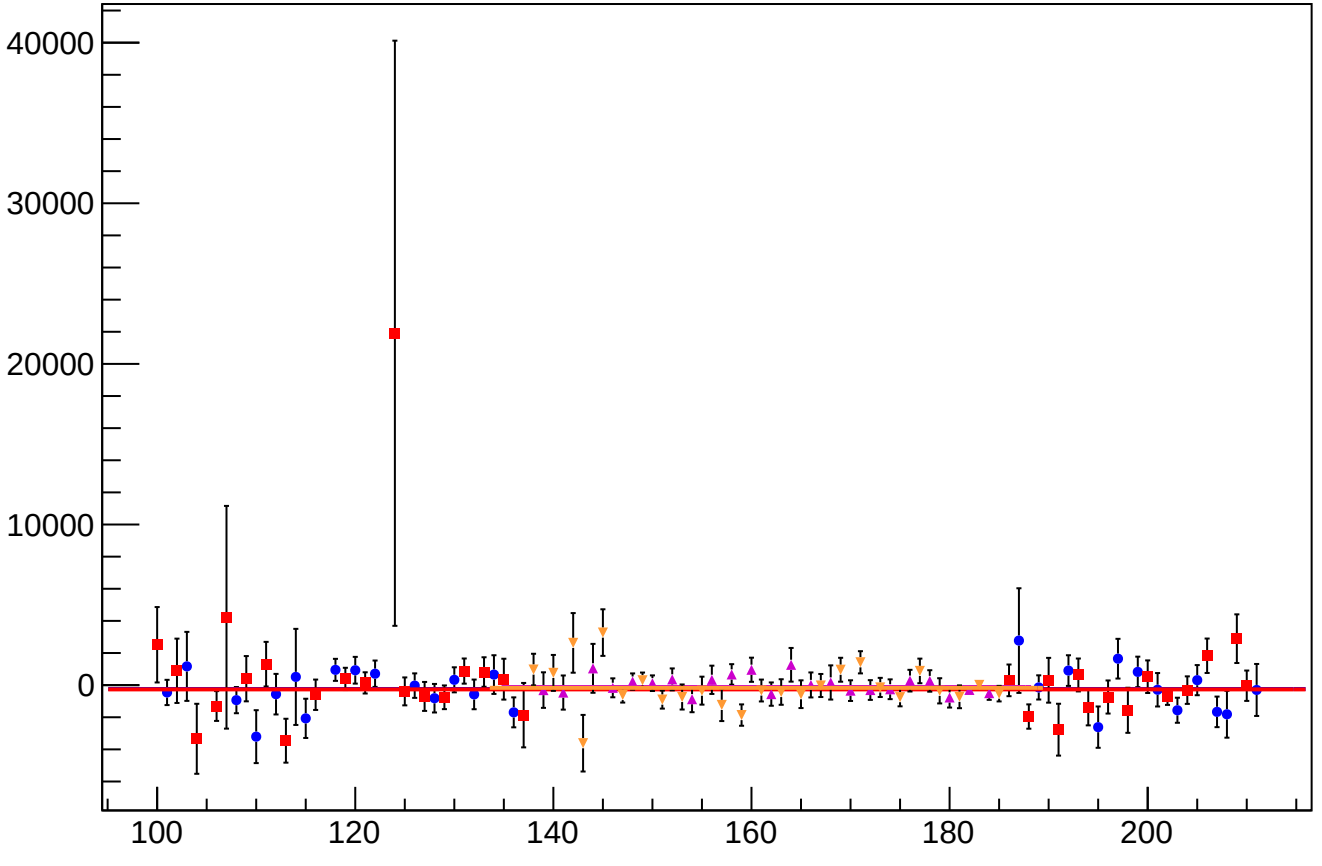
Right: 1893.933+/-0.230 χ^2/NDF: 1375980.7/60

In: 1847.389+/-0.222 χ^2/NDF:707383.7/50

Out: 1833.754+/-0.214 χ^2/NDF:938296.1/57

All: 1840.314+/-0.154 χ^2/NDF: 1647637.1/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -240.176+/-186.348 χ^2/NDF: 33.3/27

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -265.088+/-174.866 χ^2/NDF: 40.9/32

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

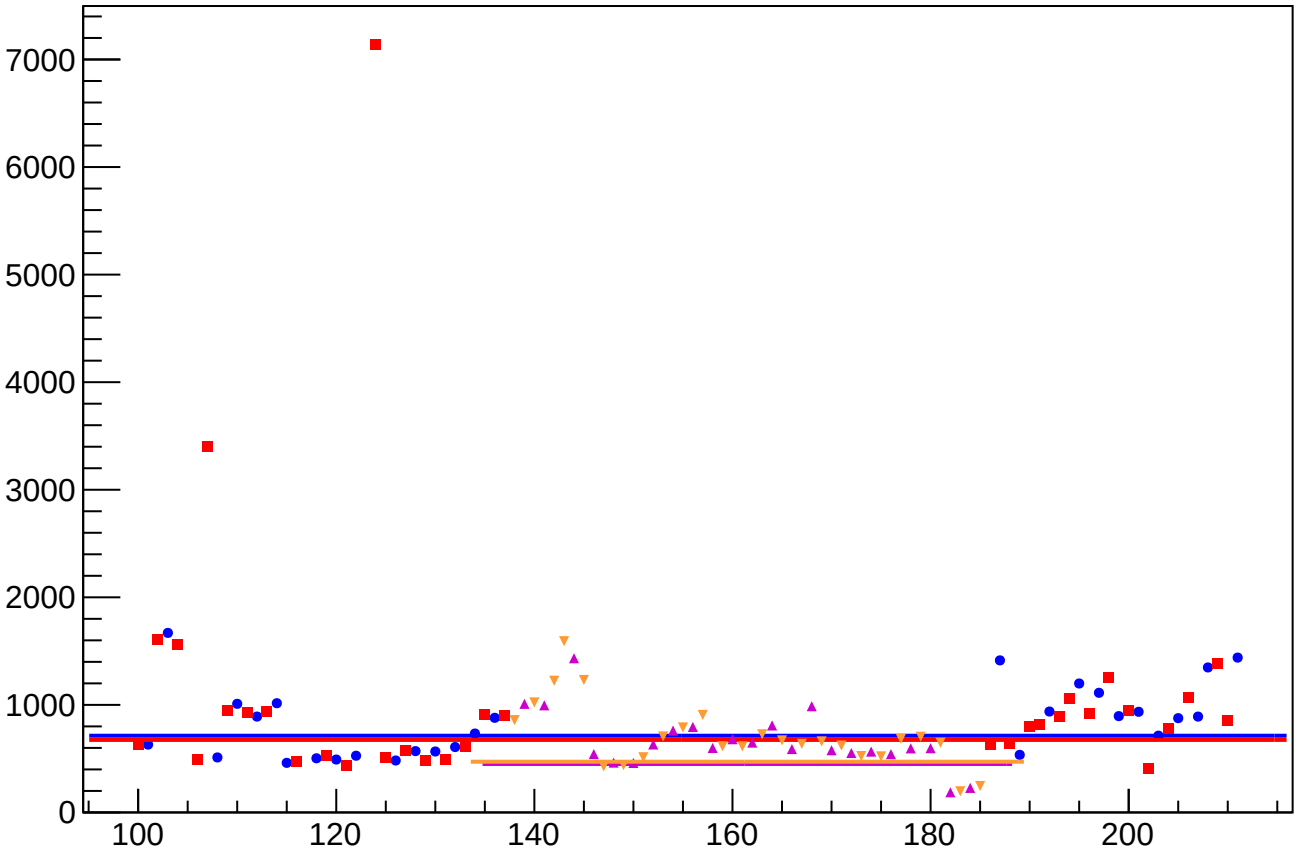
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -253.423+/-127.515 χ^2/NDF: 74.1/60

In: -153.159+/-100.755 χ^2/NDF:45.9/50

Out: -199.595+/-99.850 χ^2/NDF:79.4/57

All: -176.586+/-70.923 χ^2/NDF: 125.4/108



Right In: 713.265+/-0.132 χ^2/NDF: 3463116.0/27

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 674.365+/-0.124 χ^2/NDF: 4879648.0/32

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

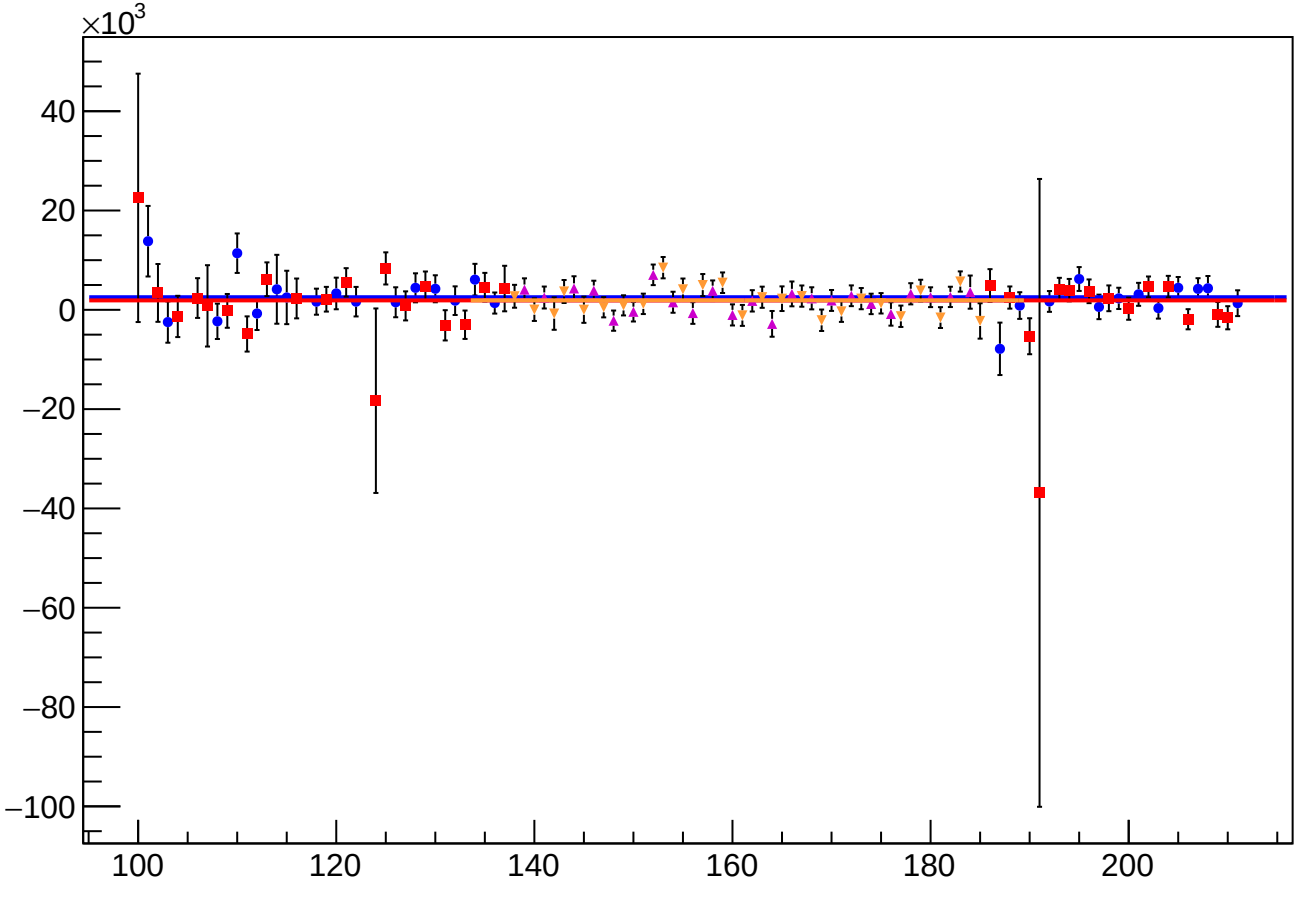
Right: 692.579+/-0.090 χ^2/NDF: 8389107.2/60

In: 527.424+/-0.071 χ^2/NDF:14202262.3/50

Out: 537.832+/-0.071 χ^2/NDF:14801451.1/57

All: 532.675+/-0.050 χ^2/NDF: 29014479.3/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2537.972+/-524.703 χ^2/NDF: 25.3/27

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 1899.926+/-513.111 χ^2/NDF: 40.1/32

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

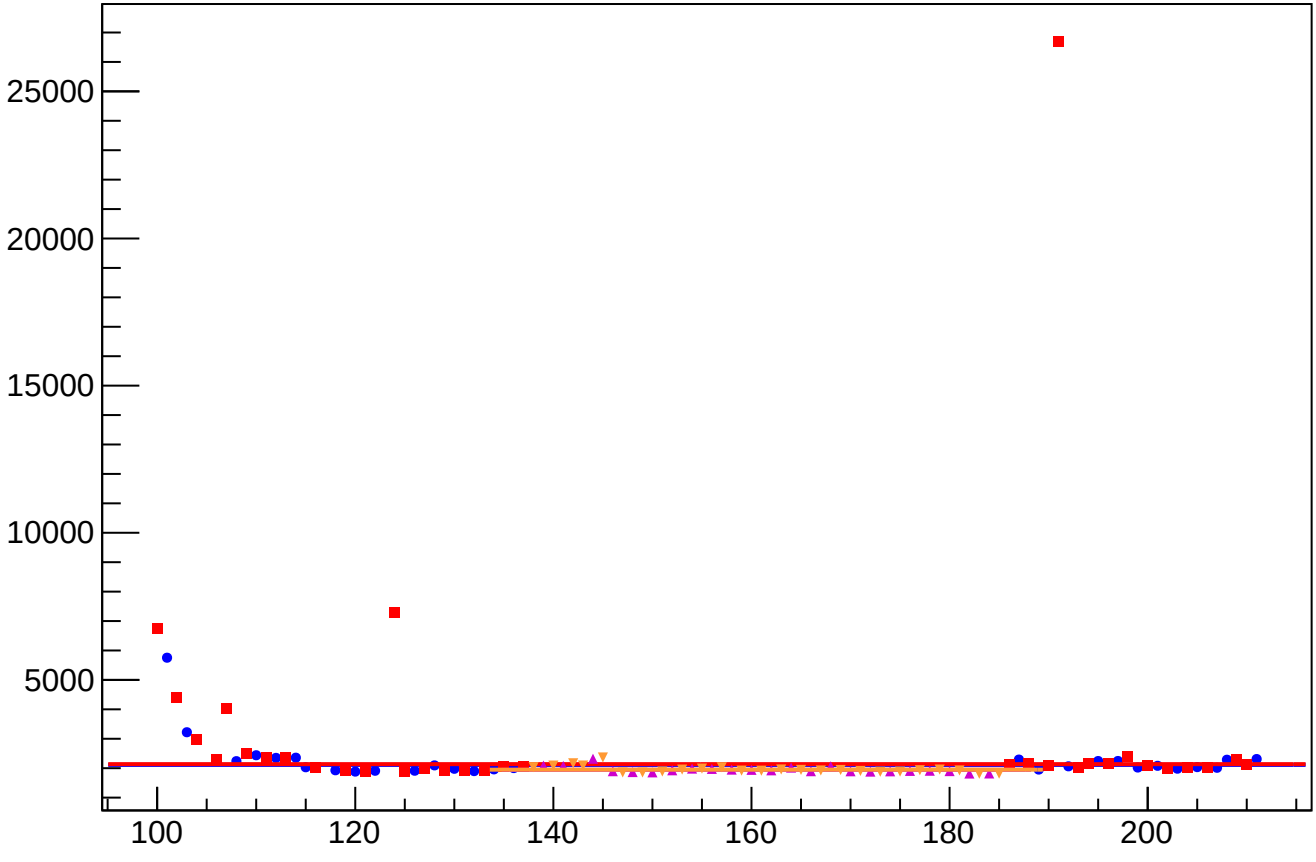
Right: 2211.824+/-366.854 χ^2/NDF: 66.2/60

In: 2188.911+/-343.703 χ^2/NDF:50.8/50

Out: 1904.186+/-335.545 χ^2/NDF:76.4/57

All: 2043.130+/-240.098 χ^2/NDF: 127.6/108

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2111.568+/-0.371 χ^2/NDF: 821968.7/27

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2137.395+/-0.363 χ^2/NDF: 1186215.5/32

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

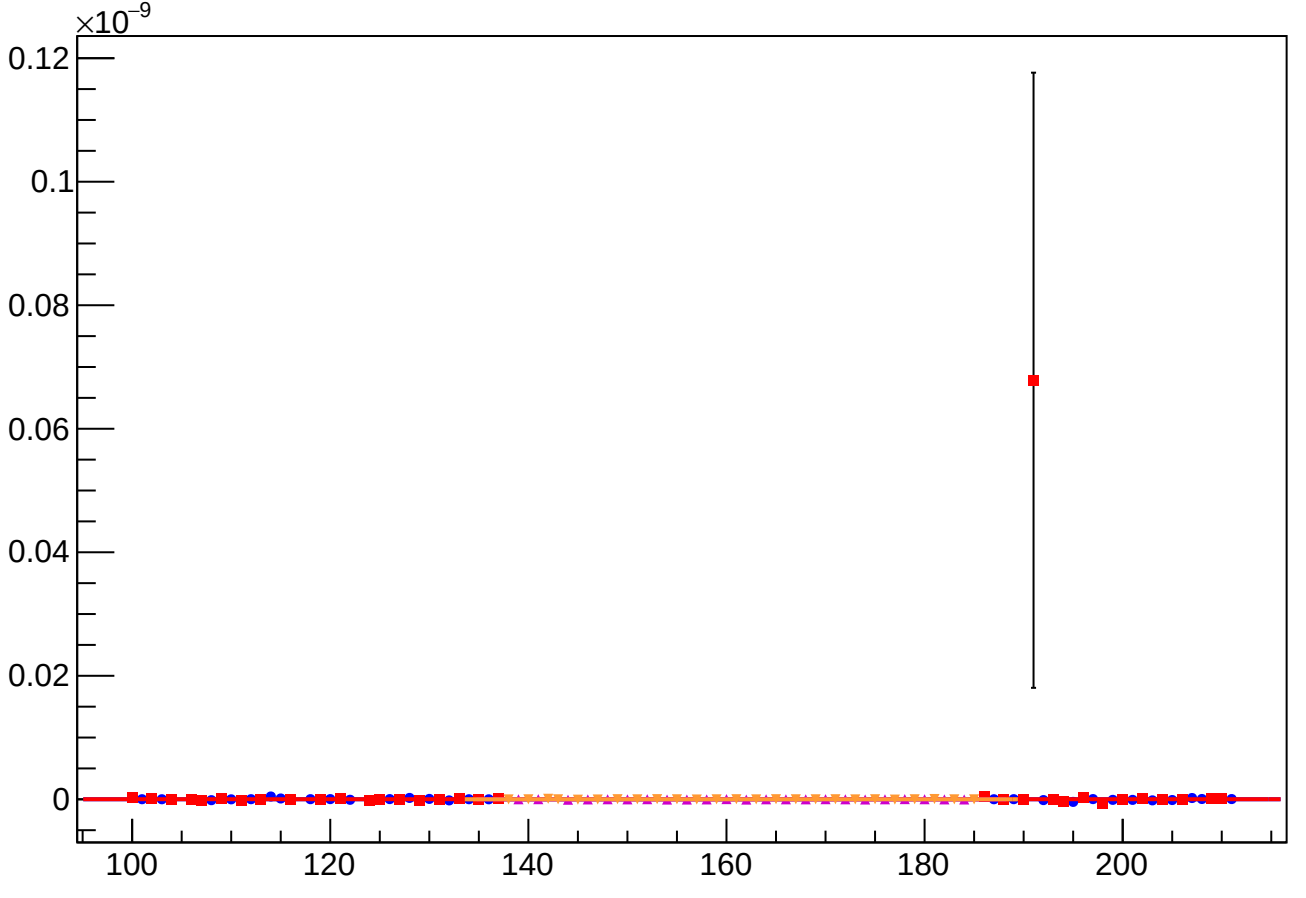
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2124.770+/-0.259 χ^2/NDF: 2010661.3/60

In: 2016.547+/-0.243 χ^2/NDF:1032809.7/50

Out: 2029.566+/-0.237 χ^2/NDF:1449055.5/57

All: 2023.213+/-0.170 χ^2/NDF: 2483334.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/32

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

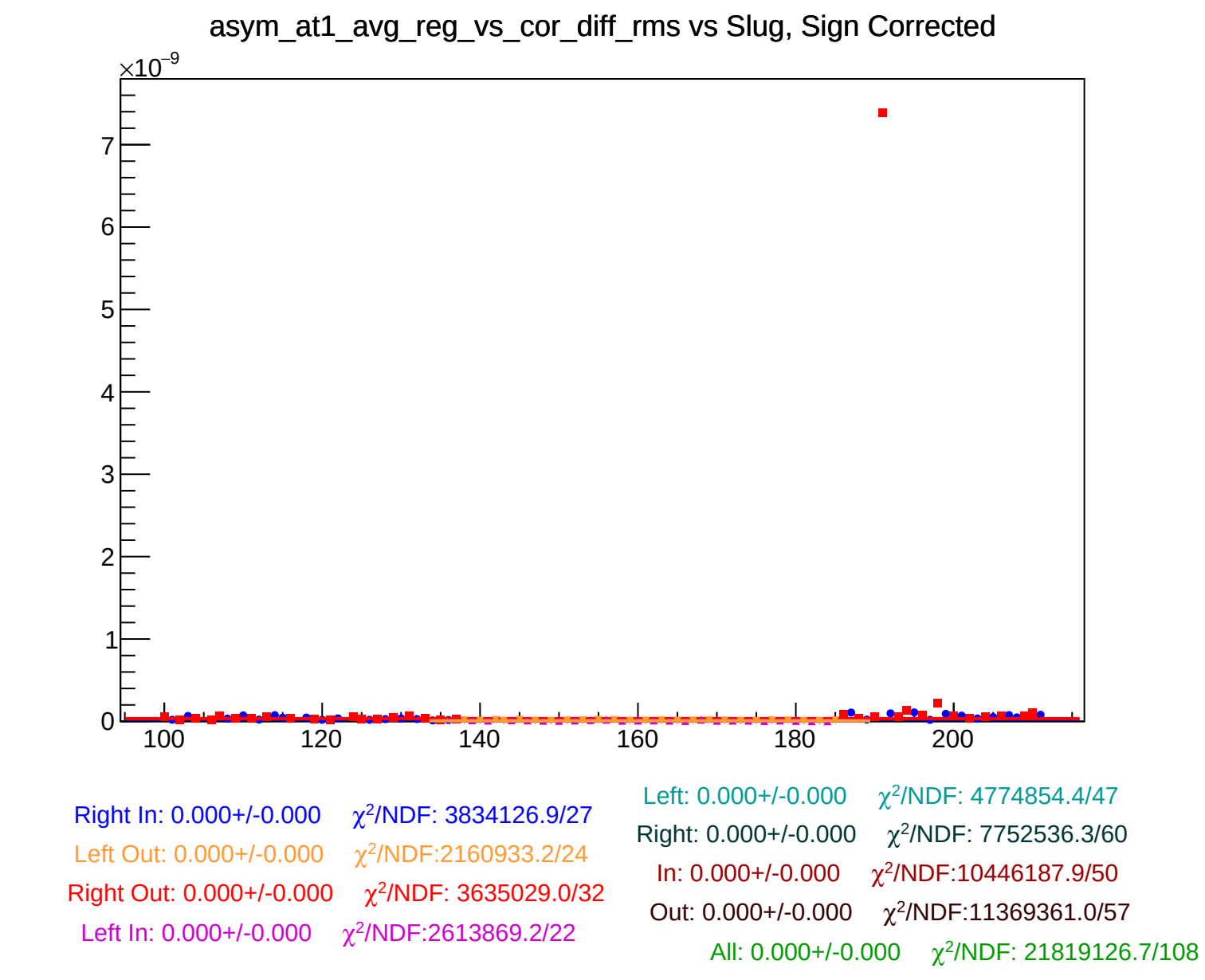
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 64.8/60

In: -0.000+/-0.000 χ^2/NDF:65.1/50

Out: 0.000+/-0.000 χ^2/NDF:60.5/57

All: -0.000+/-0.000 χ^2/NDF: 126.3/108


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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6
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2
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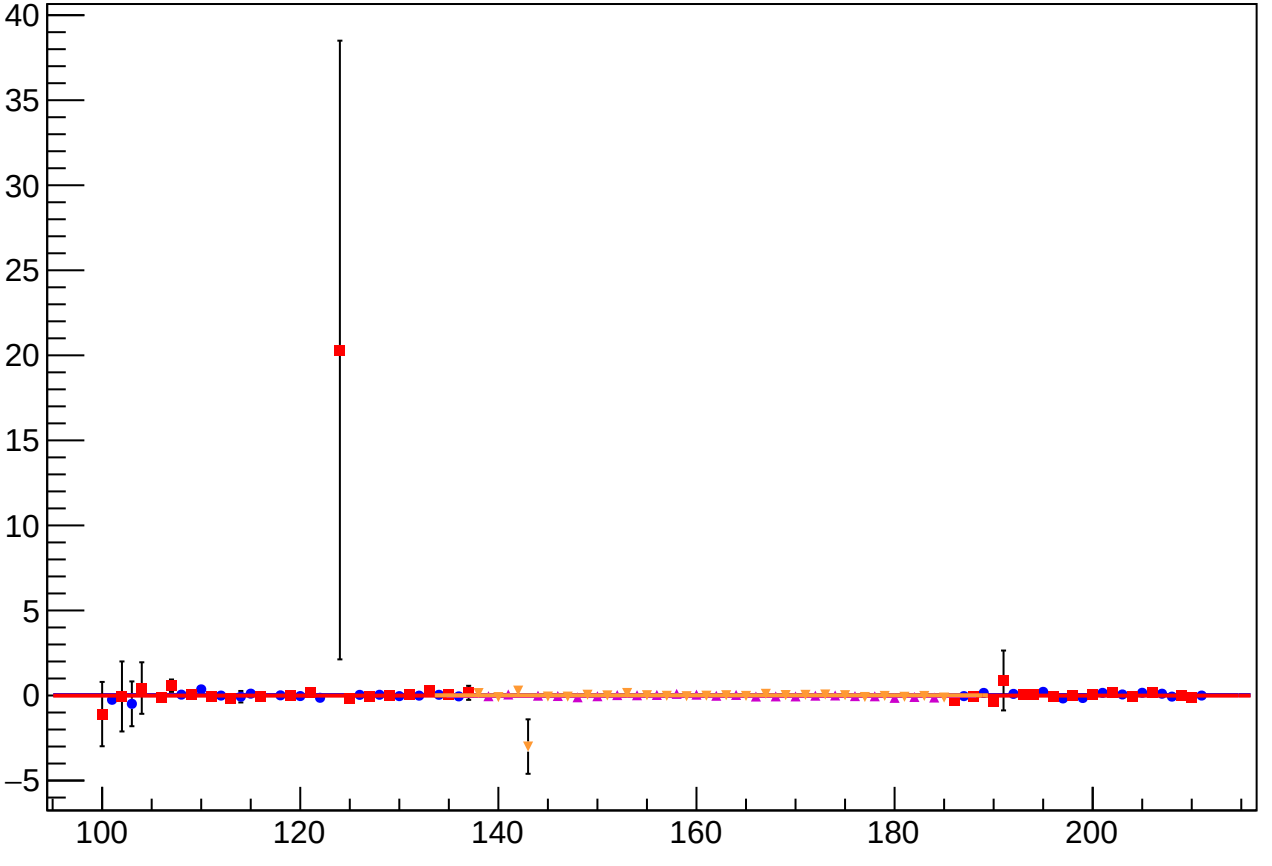
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3834126.9/27
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3635029.0/32
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 7752536.3/60
In: 0.000+/-0.000 χ²/NDF:10446187.9/50
Out: 0.000+/-0.000 χ²/NDF:11369361.0/57
All: 0.000+/-0.000 χ²/NDF: 21819126.7/108

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.006+/-0.019 χ^2/NDF: 30.5/32

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

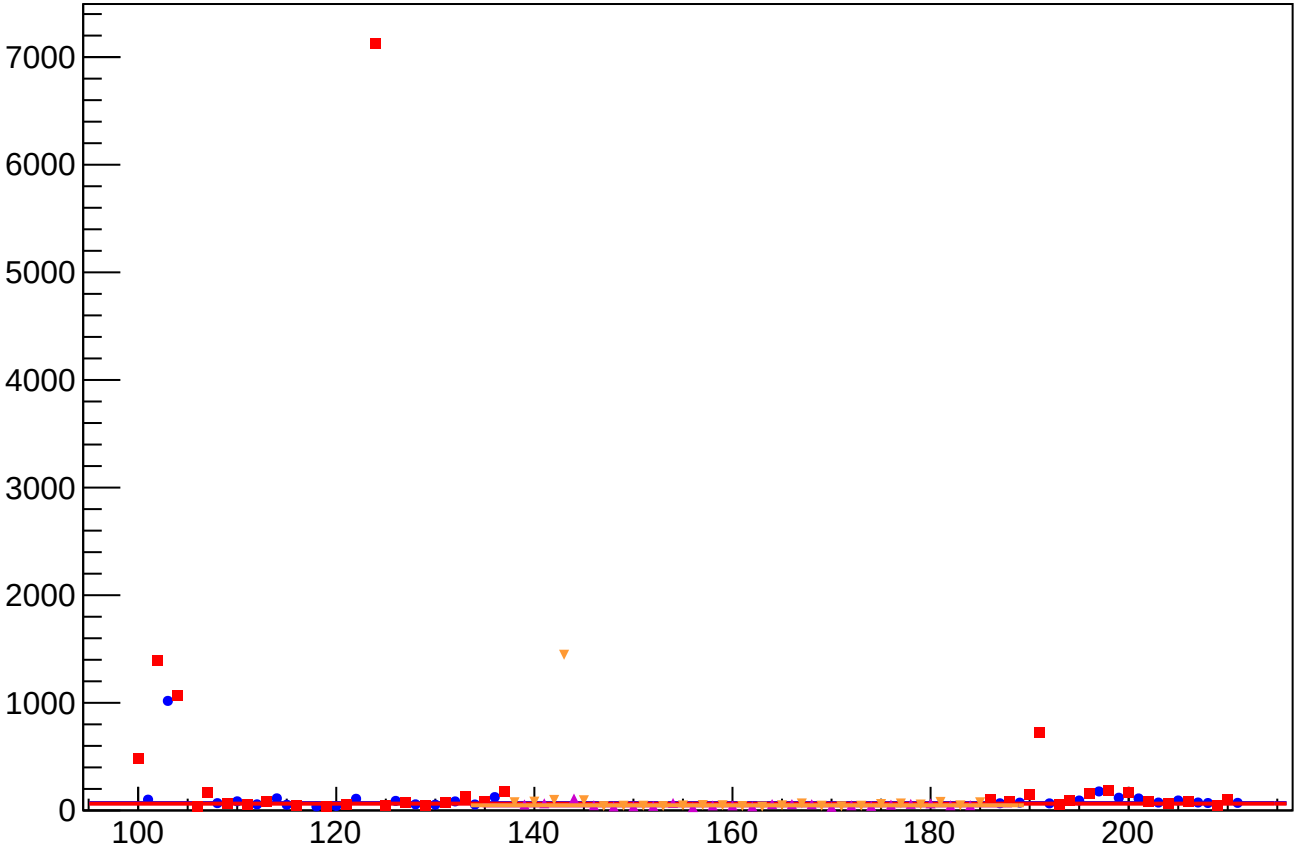
Right: 0.009+/-0.014 χ^2/NDF: 55.5/60

In: -0.006+/-0.010 χ^2/NDF:47.5/50

Out: 0.006+/-0.010 χ^2/NDF:60.7/57

All: 0.000+/-0.007 χ^2/NDF: 108.9/108

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.537+/-0.014 χ^2/NDF: 3884408.9/27

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 63.238+/-0.013 χ^2/NDF: 6573490.3/32

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

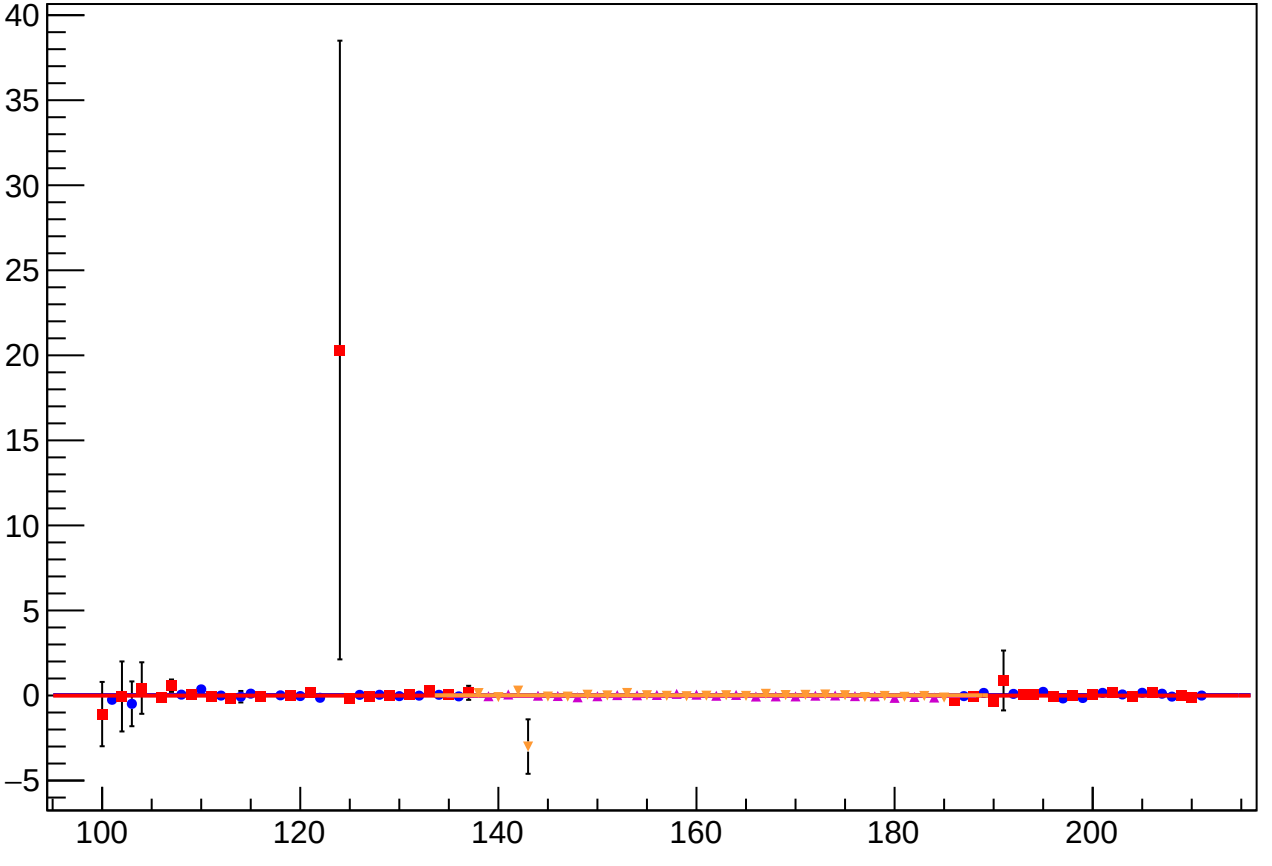
Right: 65.758+/-0.010 χ^2/NDF: 10531184.7/60

In: 52.703+/-0.007 χ^2/NDF:7548184.2/50

Out: 52.474+/-0.007 χ^2/NDF:10976228.4/57

All: 52.588+/-0.005 χ^2/NDF: 18524894.9/108

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.006+/-0.019 χ^2/NDF: 30.5/32

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

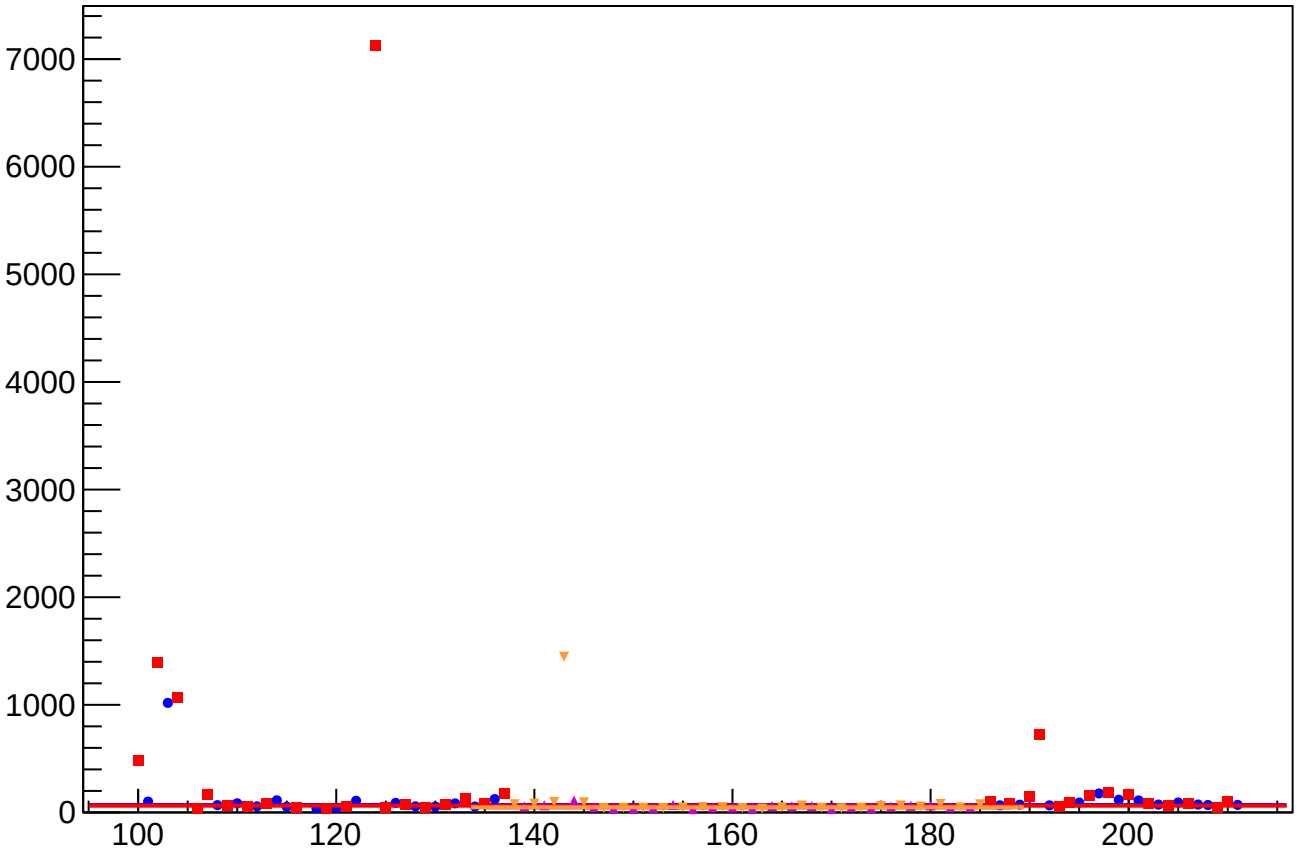
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.009+/-0.014 χ^2/NDF: 55.5/60

In: -0.006+/-0.010 χ^2/NDF:47.5/50

Out: 0.006+/-0.010 χ^2/NDF:60.7/57

All: 0.000+/-0.007 χ^2/NDF: 108.9/108



Right In: 68.537+/-0.014 χ^2/NDF: 3884408.9/27

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 63.238+/-0.013 χ^2/NDF: 6573490.3/32

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

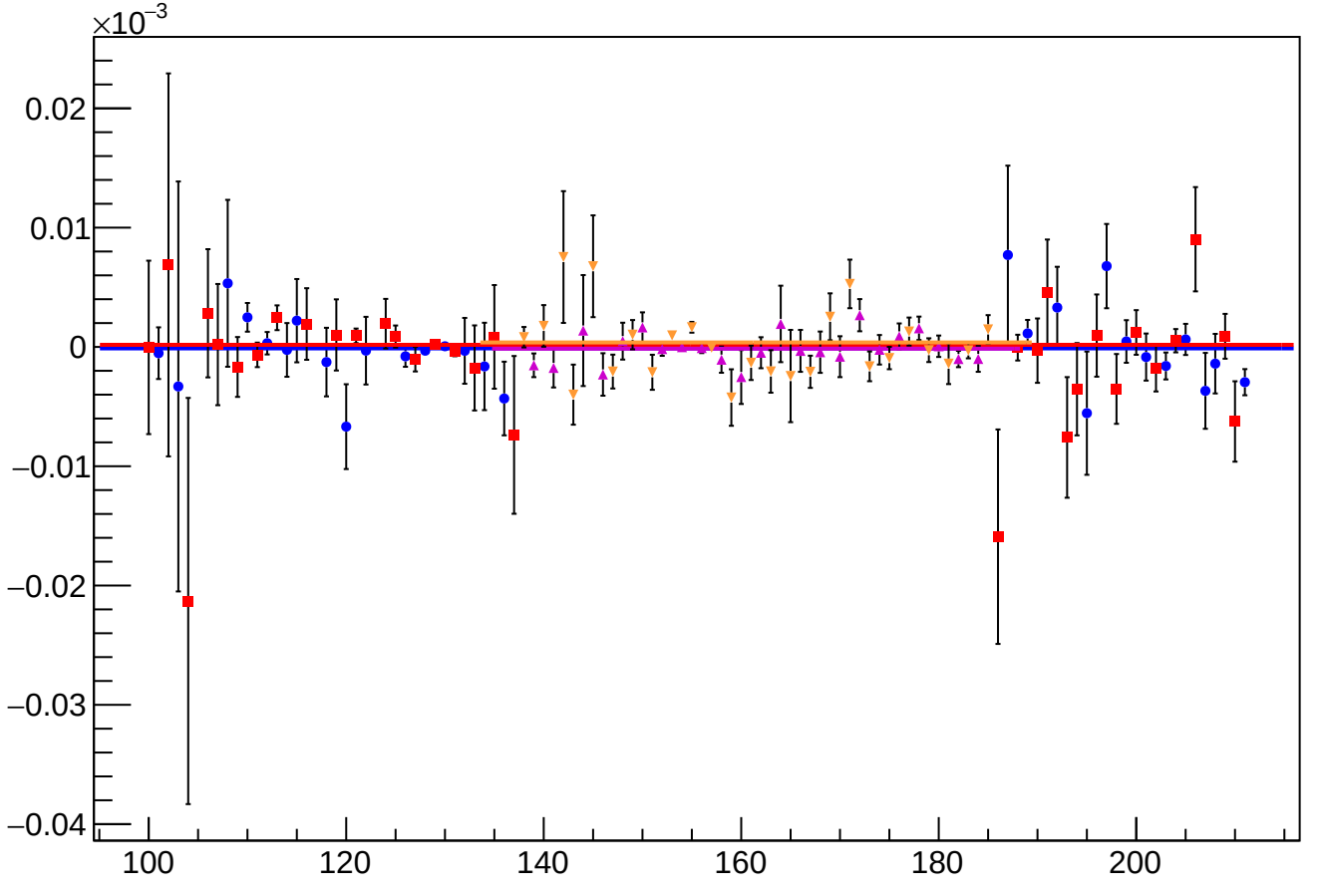
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.758+/-0.010 χ^2/NDF: 10531184.7/60

In: 52.703+/-0.007 χ^2/NDF:7548184.2/50

Out: 52.474+/-0.007 χ^2/NDF:10976228.4/57

All: 52.588+/-0.005 χ^2/NDF: 18524894.9/108



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/32

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

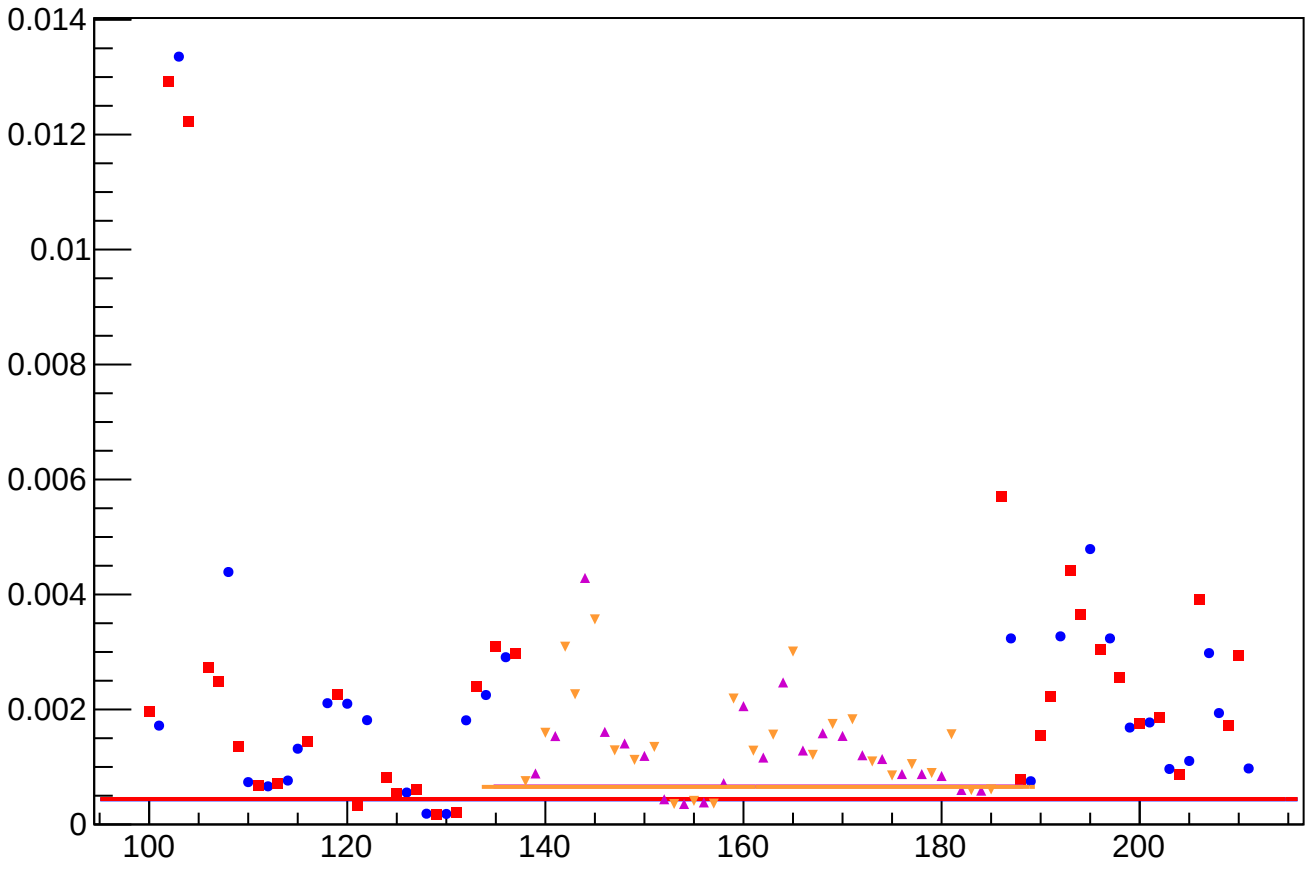
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 67.2/60

In: -0.000+/-0.000 χ^2/NDF:51.5/50

Out: 0.000+/-0.000 χ^2/NDF:86.5/57

All: 0.000+/-0.000 χ^2/NDF: 143.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 19465493.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20854472.9/32

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

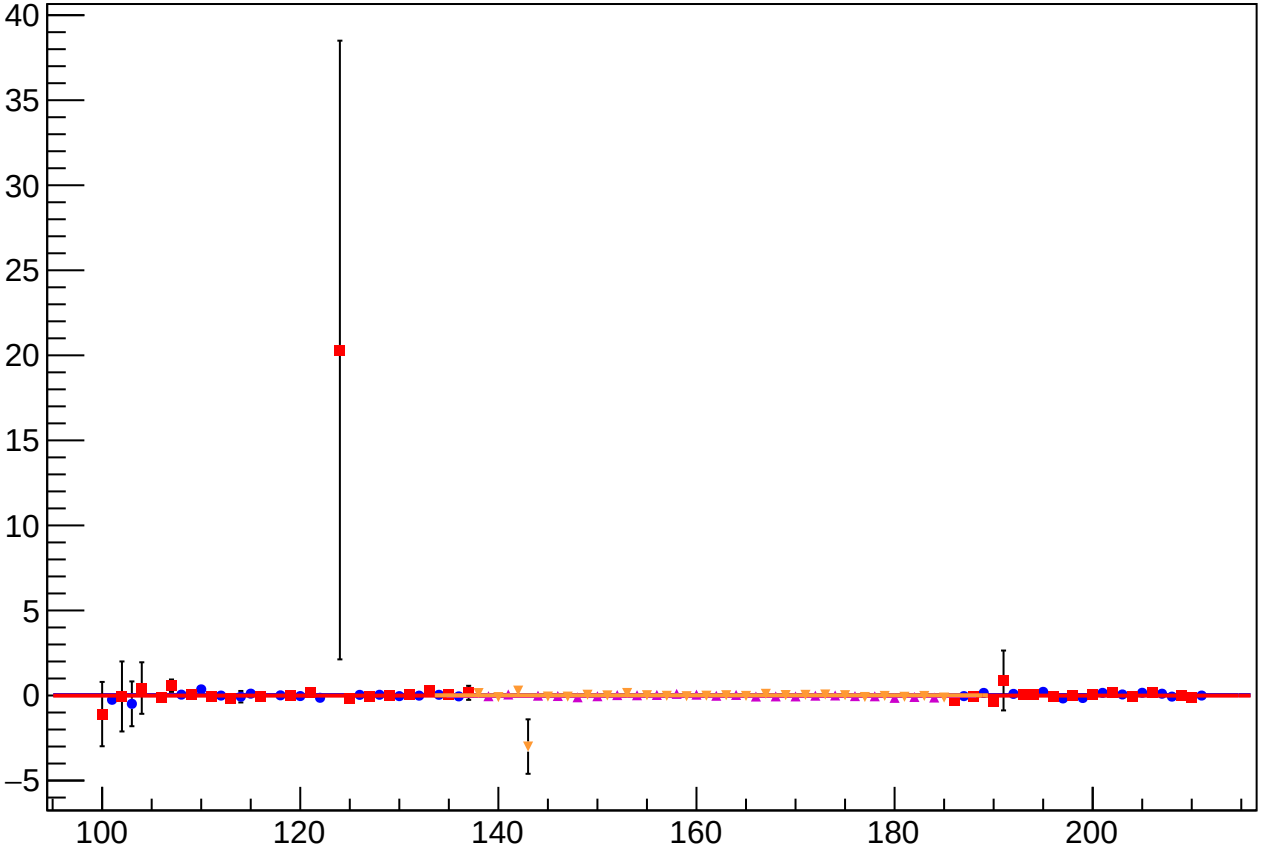
Right: 0.000+/-0.000 χ^2/NDF: 40321356.8/60

In: 0.001+/-0.000 χ^2/NDF:30649103.8/50

Out: 0.001+/-0.000 χ^2/NDF:34278520.8/57

All: 0.001+/-0.000 χ^2/NDF: 64928568.2/108

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.006+/-0.019 χ^2/NDF: 30.5/32

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

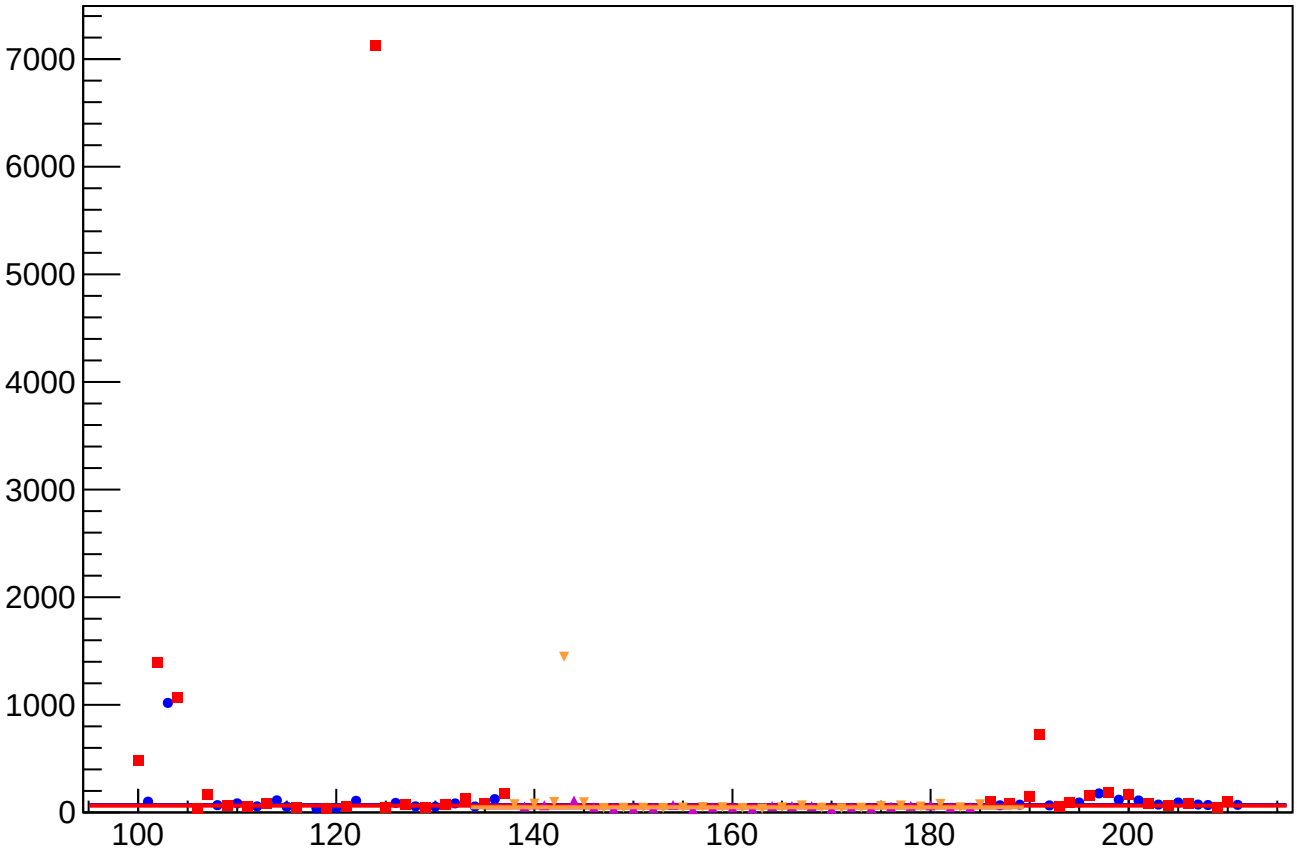
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.009+/-0.014 χ^2/NDF: 55.5/60

In: -0.006+/-0.010 χ^2/NDF:47.5/50

Out: 0.006+/-0.010 χ^2/NDF:60.7/57

All: 0.000+/-0.007 χ^2/NDF: 108.9/108



Right In: 68.537+/-0.014 χ^2/NDF: 3884465.6/27

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 63.238+/-0.013 χ^2/NDF: 6573701.0/32

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

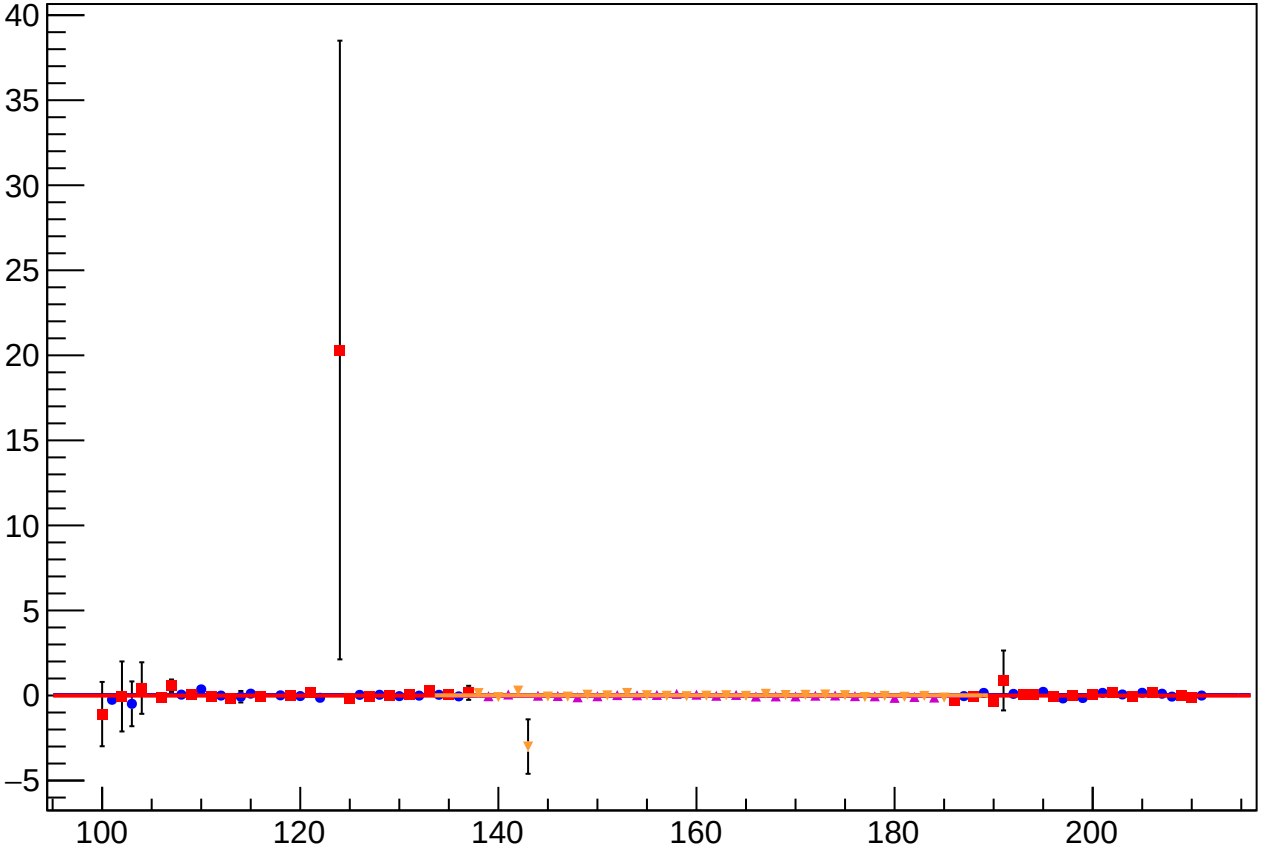
Right: 65.758+/-0.010 χ^2/NDF: 10531480.8/60

In: 52.703+/-0.007 χ^2/NDF:7548257.1/50

Out: 52.474+/-0.007 χ^2/NDF:10976295.9/57

All: 52.588+/-0.005 χ^2/NDF: 18525035.4/108

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 23.6/27

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.006+/-0.019 χ^2/NDF: 30.5/32

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

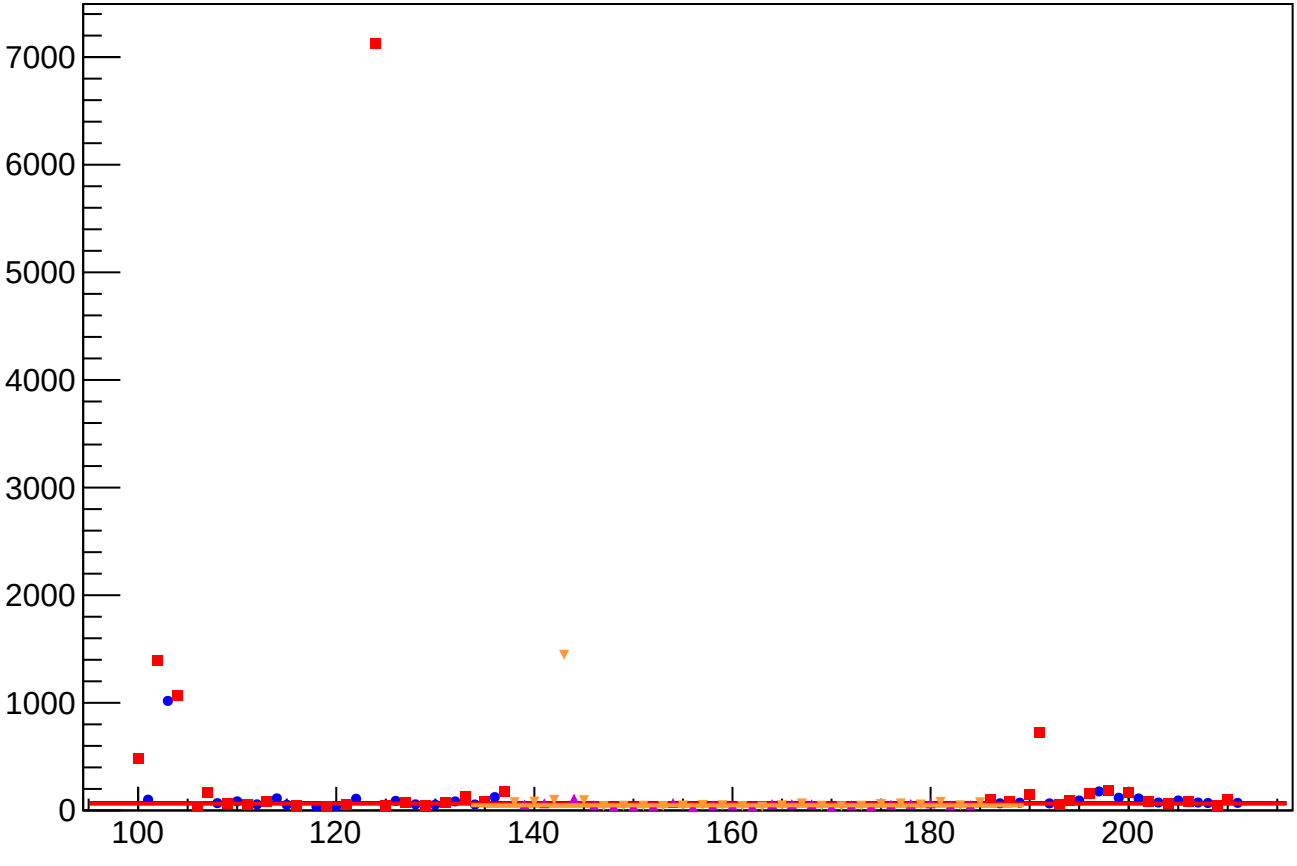
Right: 0.009+/-0.014 χ^2/NDF: 55.5/60

In: -0.006+/-0.010 χ^2/NDF:47.5/50

Out: 0.006+/-0.010 χ^2/NDF:60.7/57

All: 0.000+/-0.007 χ^2/NDF: 108.9/108

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.537+/-0.014 χ^2/NDF: 3884465.6/27

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 63.238+/-0.013 χ^2/NDF: 6573701.0/32

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

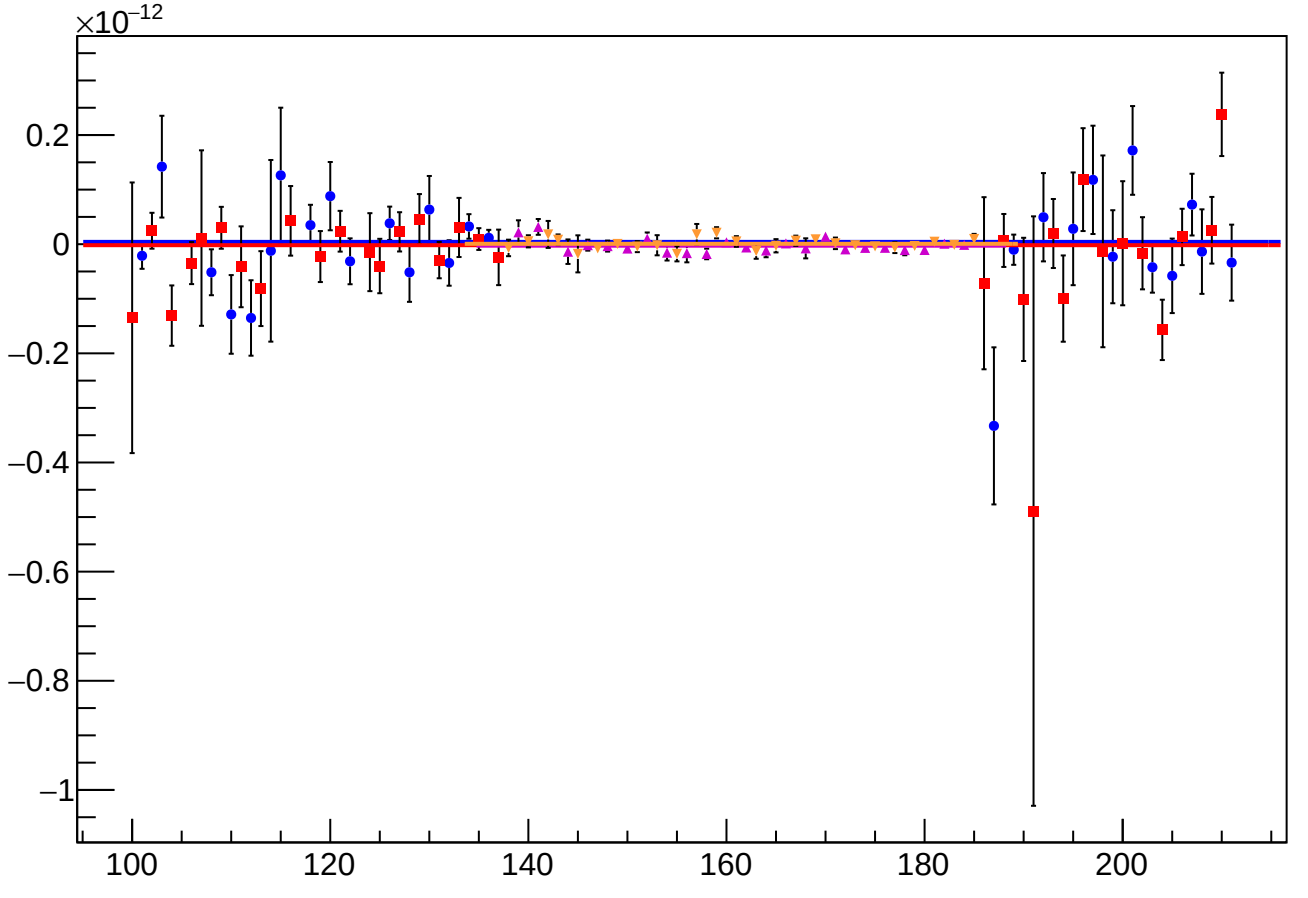
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.758+/-0.010 χ^2/NDF: 10531480.8/60

In: 52.703+/-0.007 χ^2/NDF:7548257.1/50

Out: 52.474+/-0.007 χ^2/NDF:10976295.9/57

All: 52.588+/-0.005 χ^2/NDF: 18525035.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 38.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/32

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

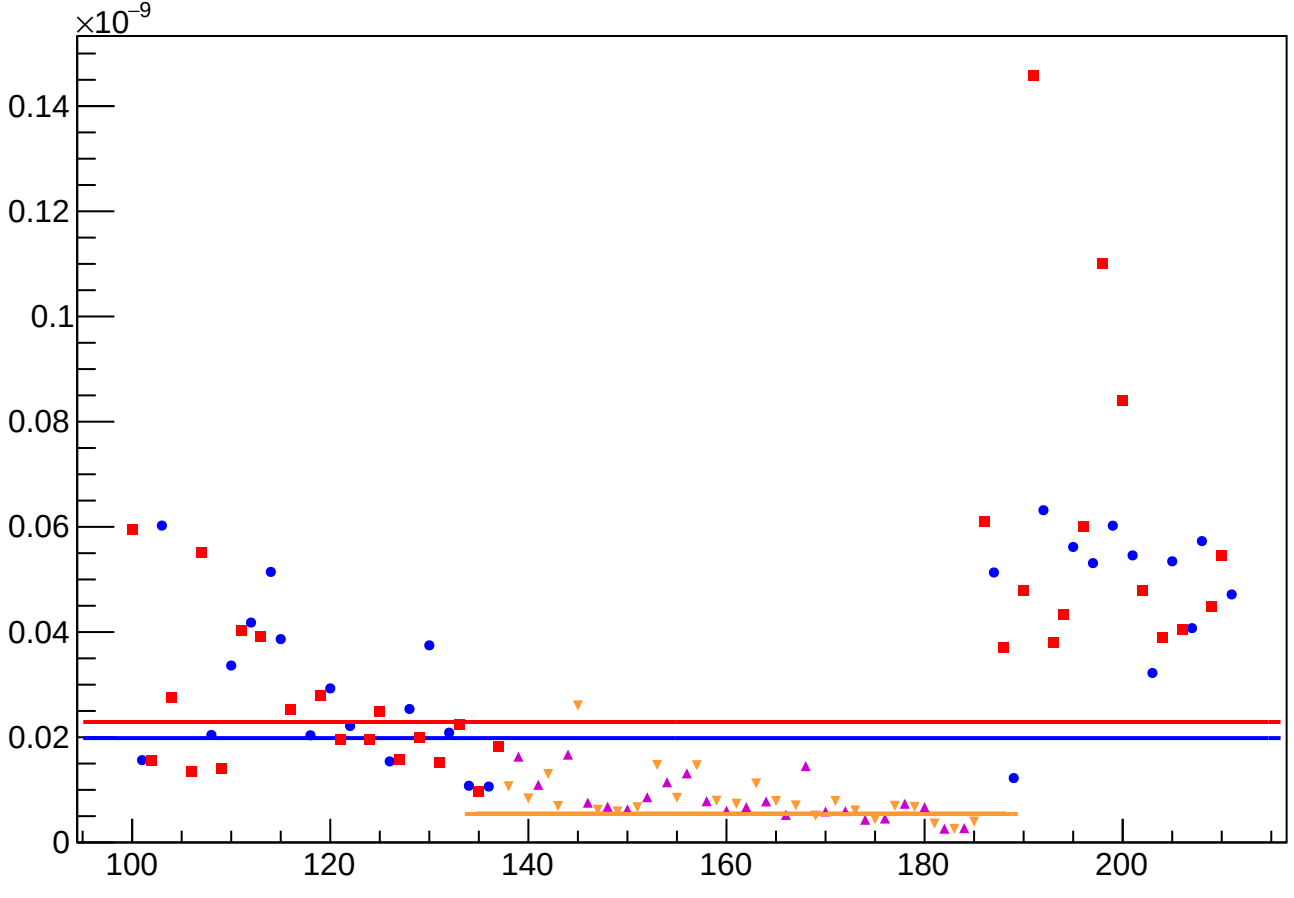
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 75.8/60

In: -0.000+/-0.000 χ^2/NDF:60.6/50

Out: 0.000+/-0.000 χ^2/NDF:52.6/57

All: -0.000+/-0.000 χ^2/NDF: 114.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 6008967.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5230342.2/32

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

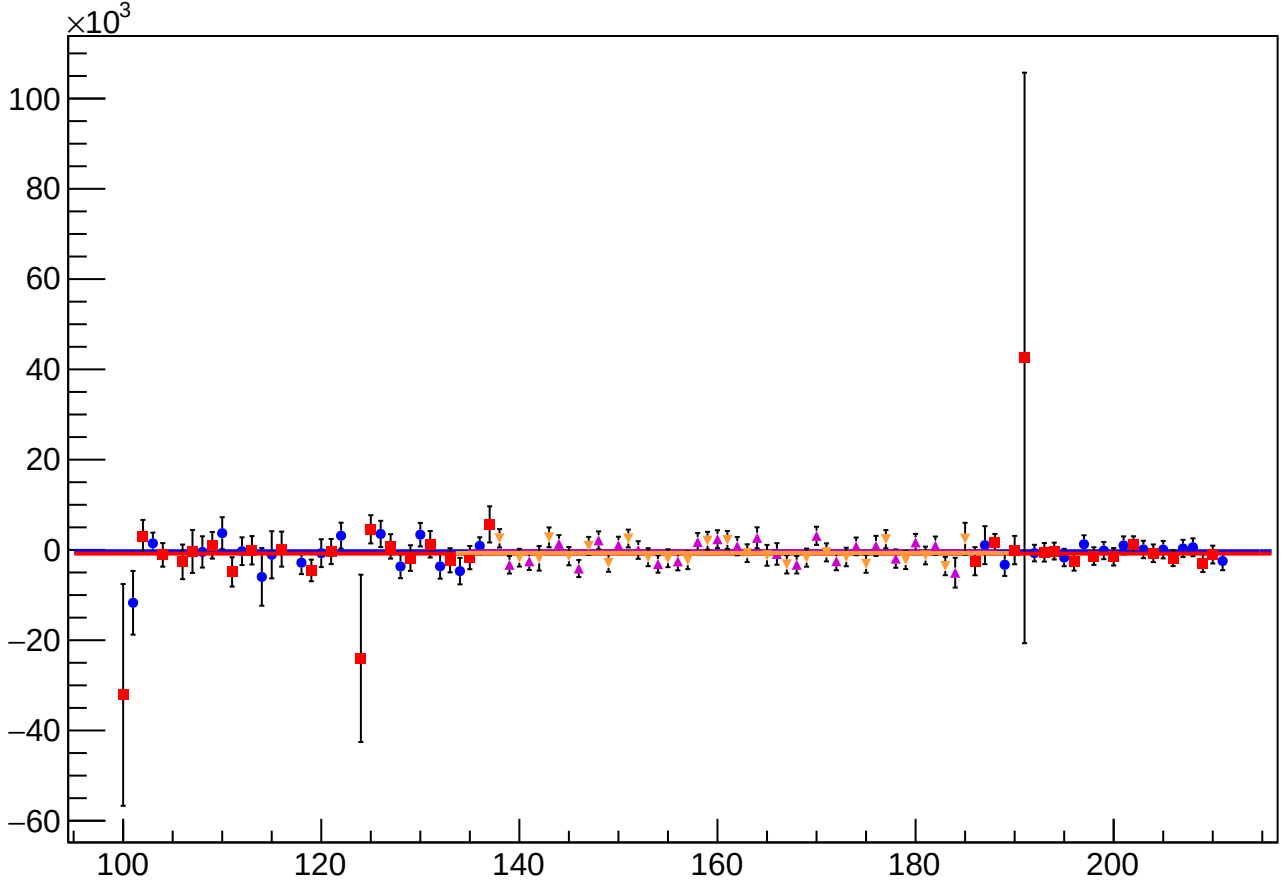
Right: 0.000+/-0.000 χ^2/NDF: 11376749.2/60

In: 0.000+/-0.000 χ^2/NDF:17487258.5/50

Out: 0.000+/-0.000 χ^2/NDF:18044230.1/57

All: 0.000+/-0.000 χ^2/NDF: 35537705.4/108

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -292.853+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -817.947+/-447.944 χ^2/NDF: 21.9/32

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

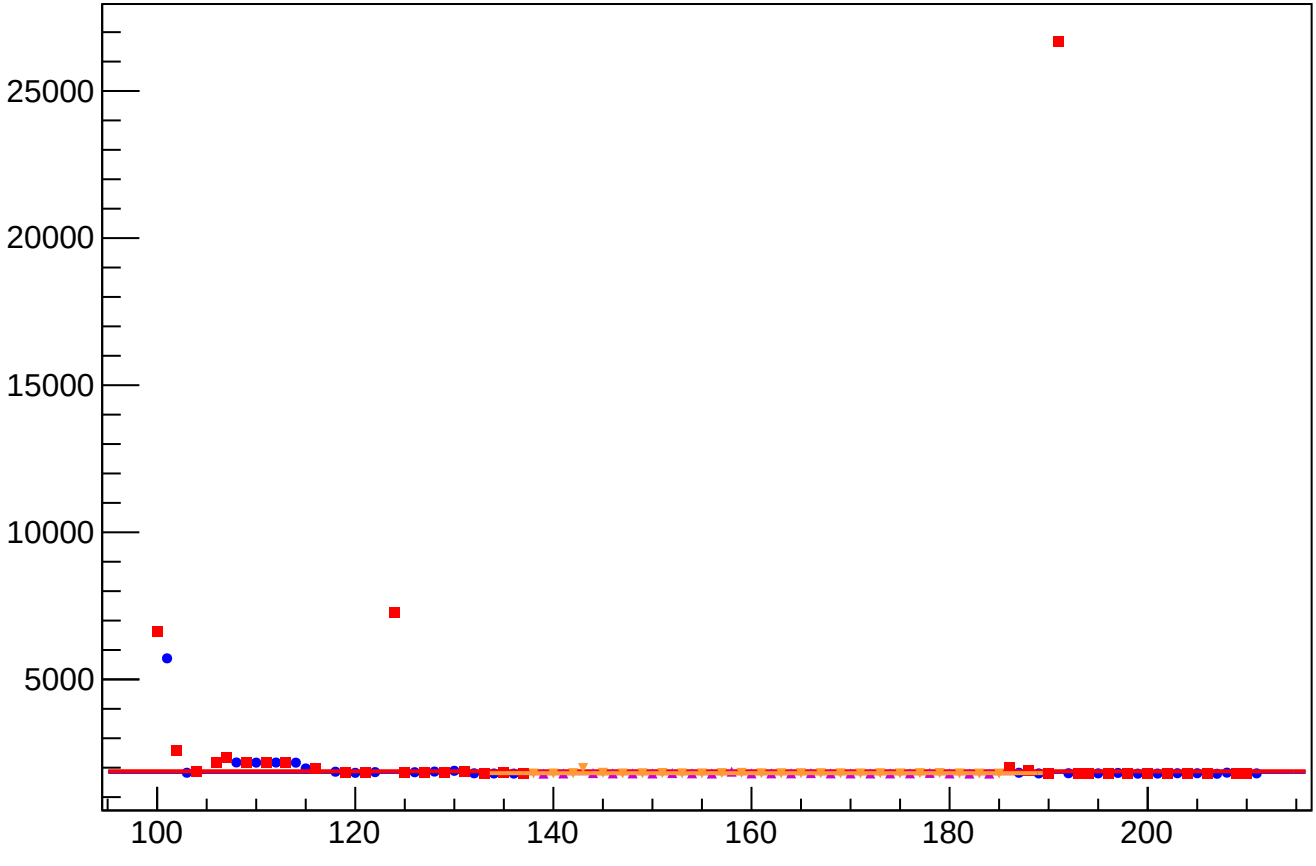
Right: -562.464+/-320.977 χ^2/NDF: 44.6/60

In: -320.020+/-311.302 χ^2/NDF:52.0/50

Out: -737.859+/-303.322 χ^2/NDF:46.7/57

All: -534.363+/-217.247 χ^2/NDF: 99.7/108

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.7/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1876.689+/-0.317 χ^2/NDF: 752951.5/32

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

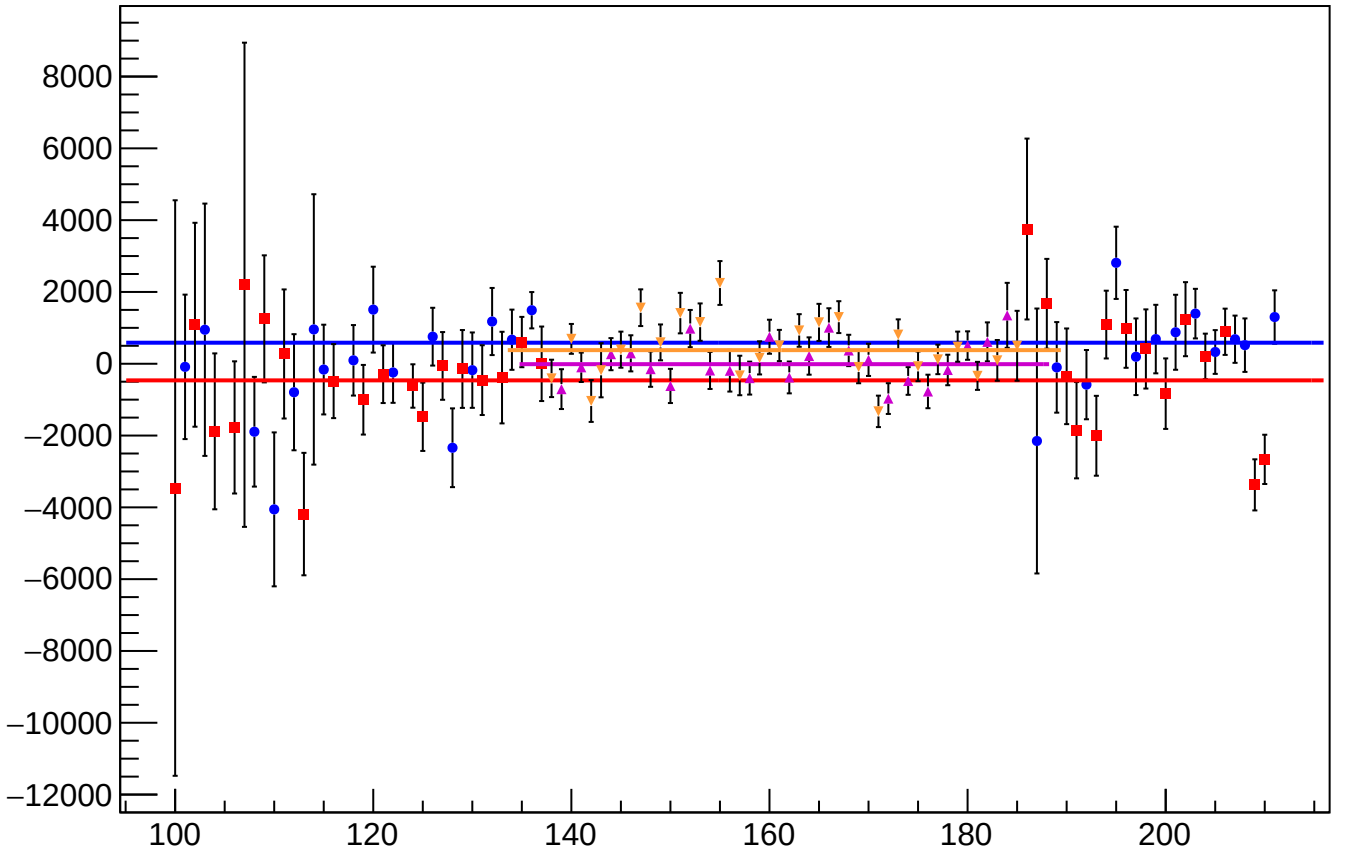
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1867.566+/-0.227 χ^2/NDF: 1430615.1/60

In: 1832.188+/-0.220 χ^2/NDF:689474.4/50

Out: 1842.979+/-0.214 χ^2/NDF:786970.6/57

All: 1837.724+/-0.154 χ^2/NDF: 1477678.0/10



Right In: 586.110+/-178.674 χ^2/NDF: 31.6/27

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -462.912+/-176.390 χ^2/NDF: 61.0/32

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

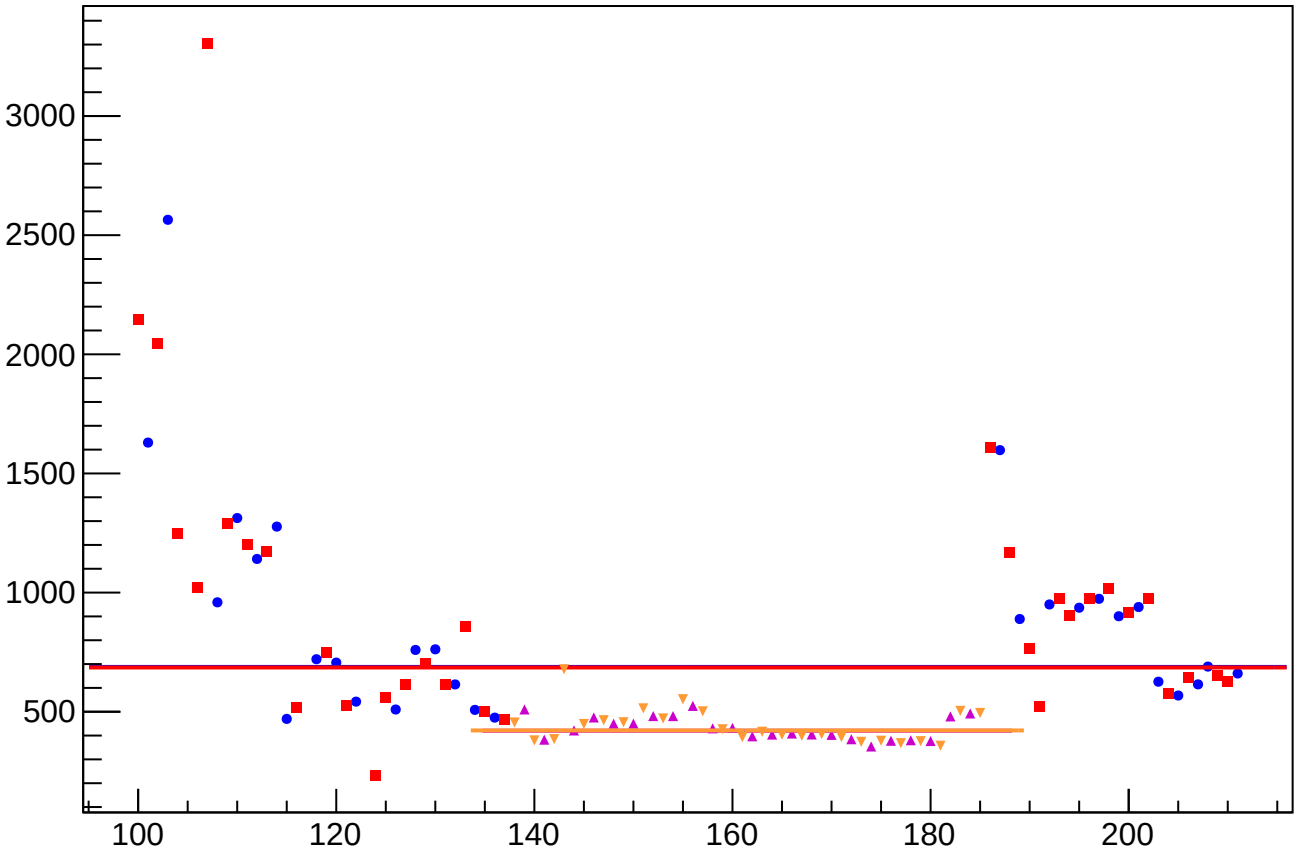
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 54.848+/-125.526 χ^2/NDF: 110.0/60

In: 128.801+/-86.580 χ^2/NDF:71.2/50

Out: 183.744+/-85.005 χ^2/NDF:140.8/57

All: 156.777+/-60.657 χ^2/NDF: 212.2/108



Right In: 687.963+/-0.126 χ^2/NDF: 3067525.1/27

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 685.711+/-0.125 χ^2/NDF: 4697800.3/32

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

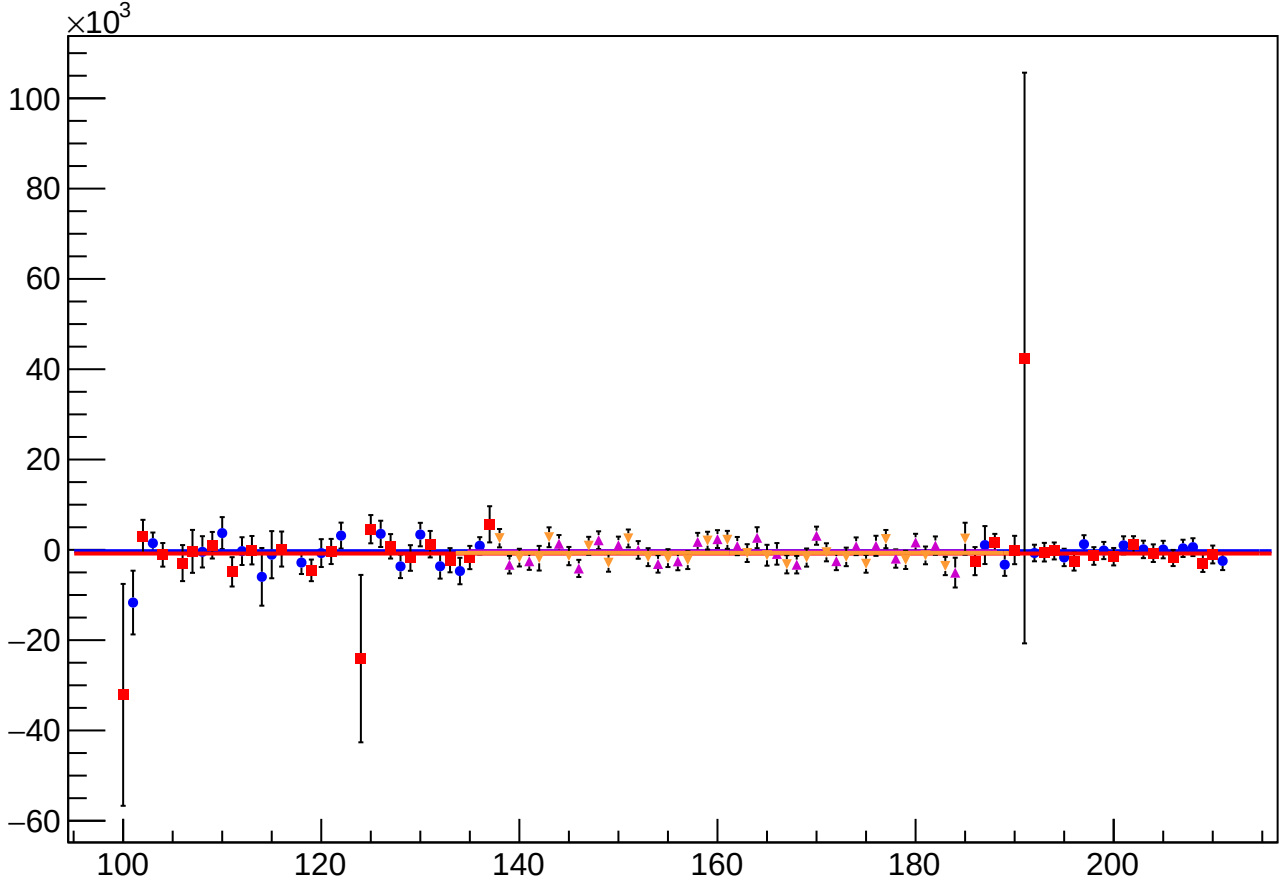
Right: 686.823+/-0.089 χ^2/NDF: 7765486.2/60

In: 483.089+/-0.061 χ^2/NDF:6917079.2/50

Out: 482.797+/-0.060 χ^2/NDF:8888205.1/57

All: 482.940+/-0.043 χ^2/NDF: 15805295.9/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -292.471+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -819.876+/-448.186 χ^2/NDF: 22.0/32

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

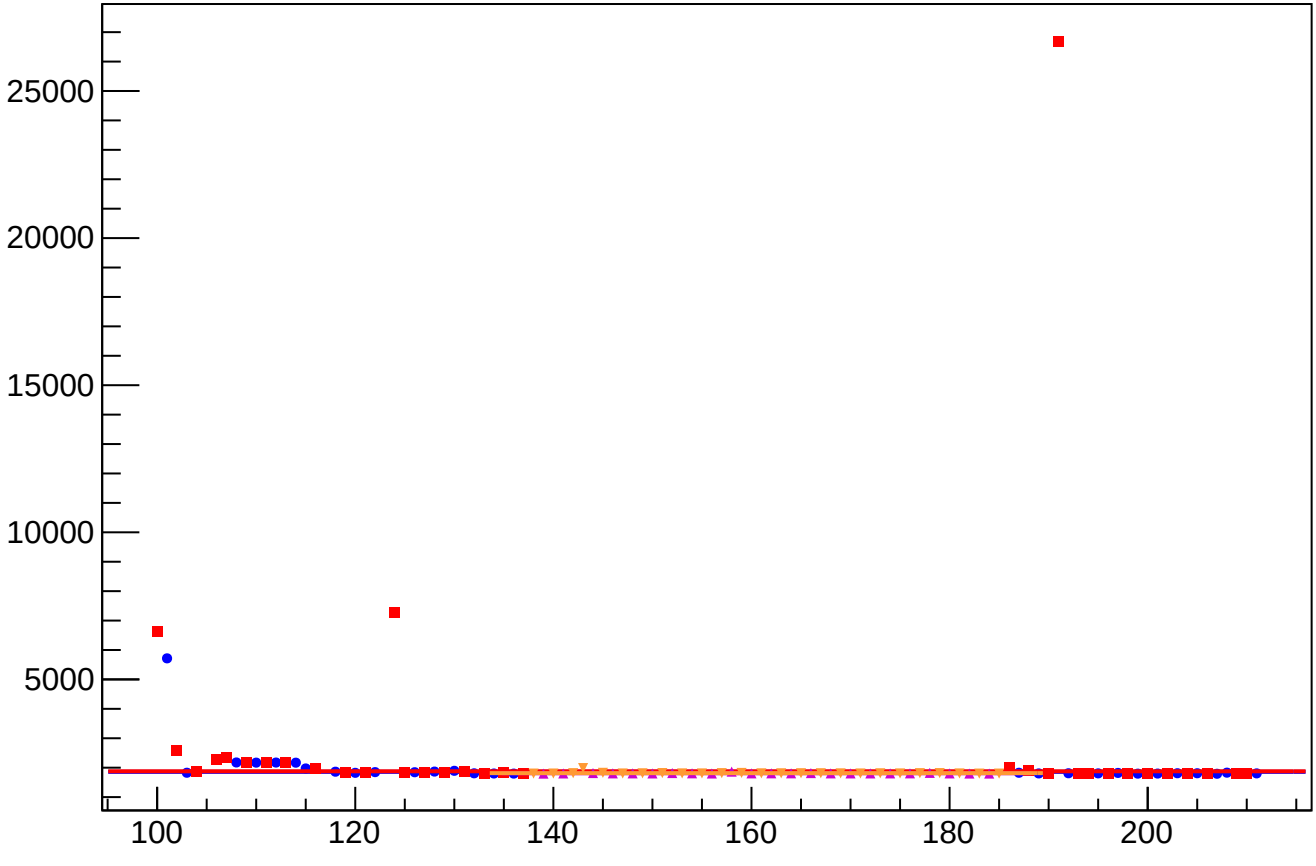
Right: -563.126+/-321.066 χ^2/NDF: 44.6/60

In: -319.869+/-311.302 χ^2/NDF:52.0/50

Out: -738.698+/-303.397 χ^2/NDF:46.8/57

All: -534.669+/-217.275 χ^2/NDF: 99.7/108

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.6/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1877.386+/-0.317 χ^2/NDF: 759138.0/32

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

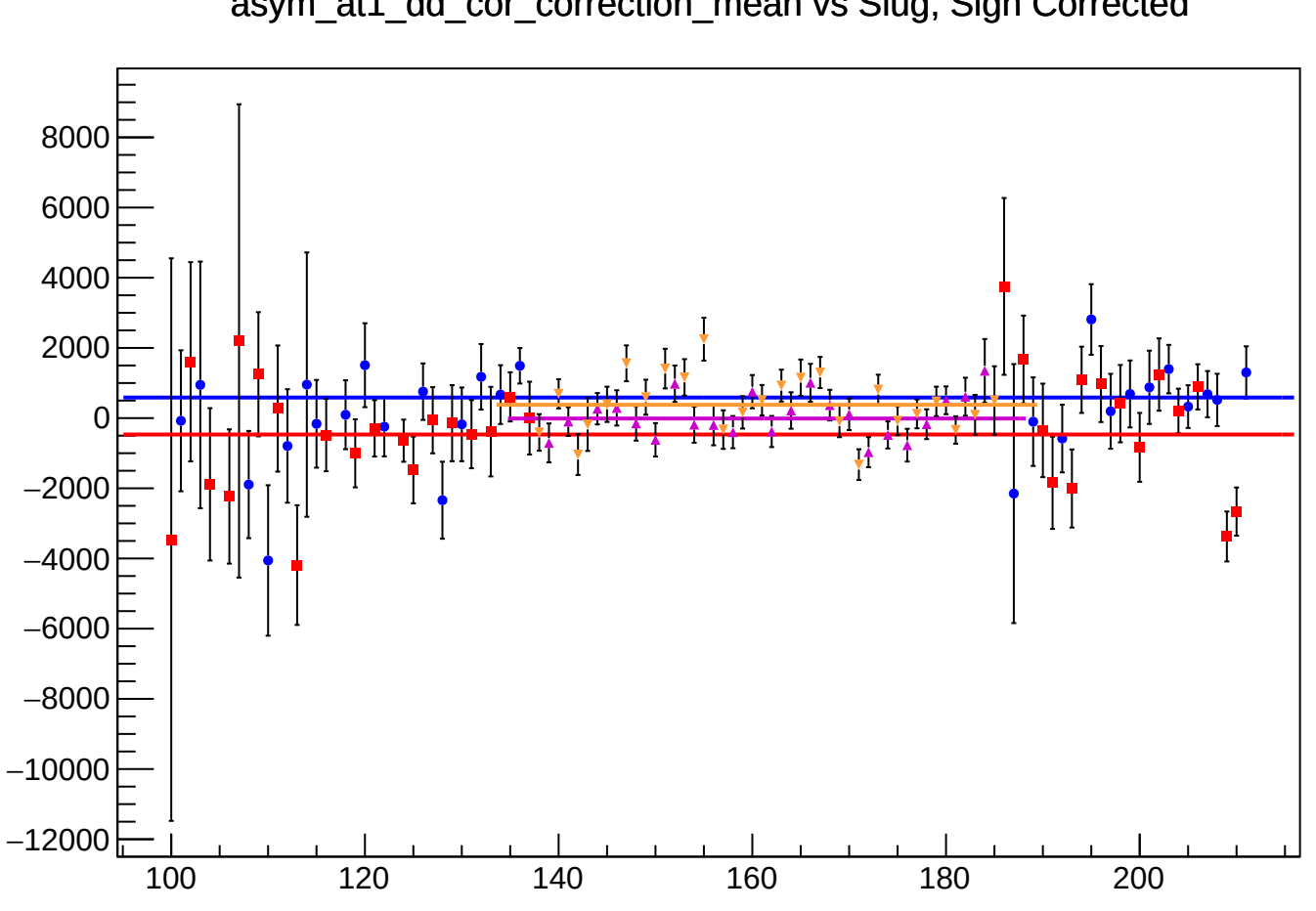
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1867.919+/-0.227 χ^2/NDF: 1436929.7/60

In: 1832.188+/-0.220 χ^2/NDF:689474.3/50

Out: 1843.282+/-0.215 χ^2/NDF:793615.6/57

All: 1837.878+/-0.154 χ^2/NDF: 1484392.8/10



Right In: 586.177+/-178.672 χ^2/NDF: 31.6/27

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -467.003+/-176.273 χ^2/NDF: 61.6/32

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

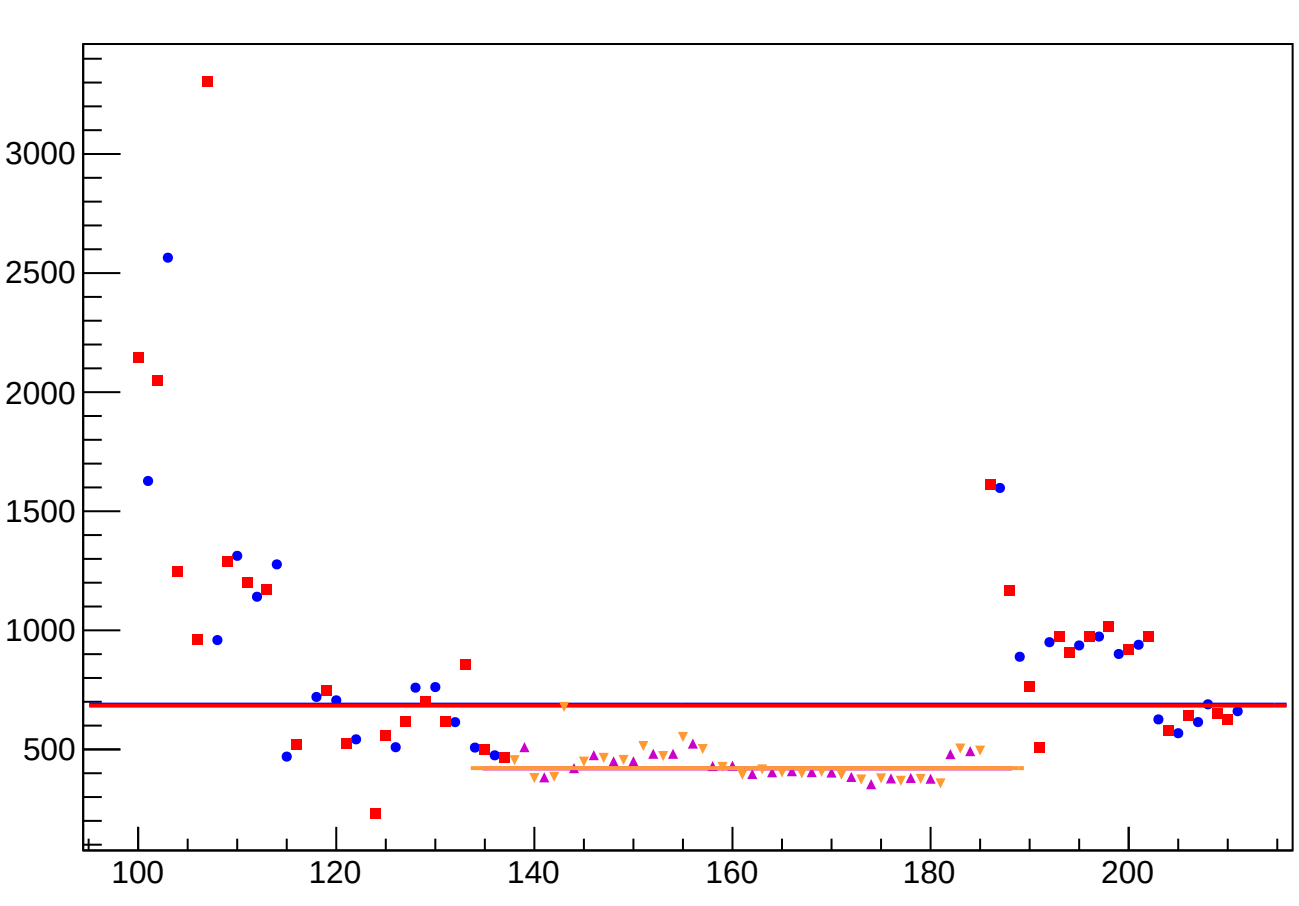
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 52.471+/-125.483 χ^2/NDF: 110.8/60

In: 128.809+/-86.579 χ^2/NDF:71.3/50

Out: 182.586+/-84.992 χ^2/NDF:141.6/57

All: 156.194+/-60.652 χ^2/NDF: 213.1/108



Right In: 687.963+/-0.126 χ^2/NDF: 3066691.4/27

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 683.926+/-0.125 χ^2/NDF: 4706584.0/32

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

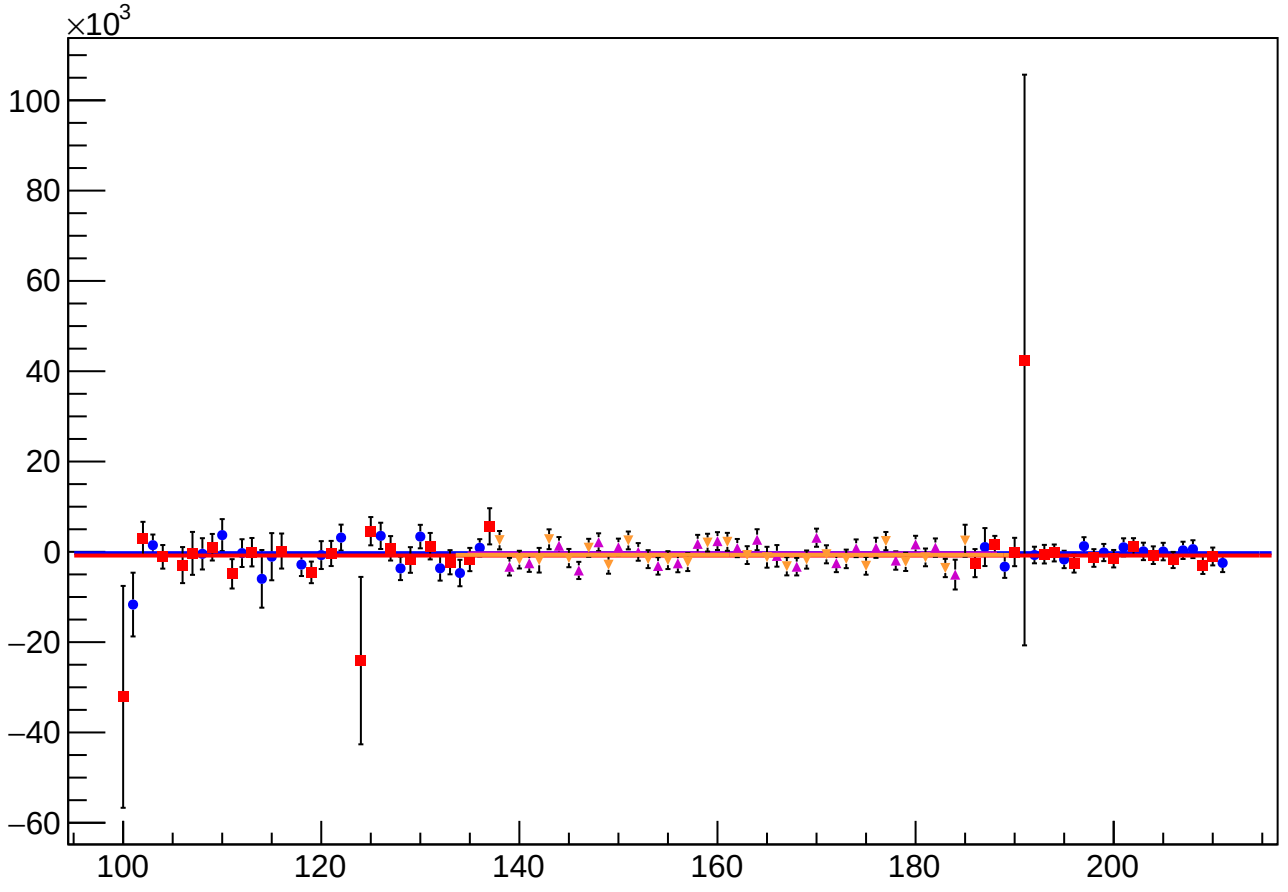
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 685.917+/-0.089 χ^2/NDF: 7773793.0/60

In: 483.087+/-0.061 χ^2/NDF:6916488.4/50

Out: 482.447+/-0.060 χ^2/NDF:8853850.4/57

All: 482.761+/-0.043 χ^2/NDF: 15770394.5/10



Right In: -292.471+/-460.163 χ^2/NDF: 21.9/27

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -819.876+/-448.186 χ^2/NDF: 22.0/32

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

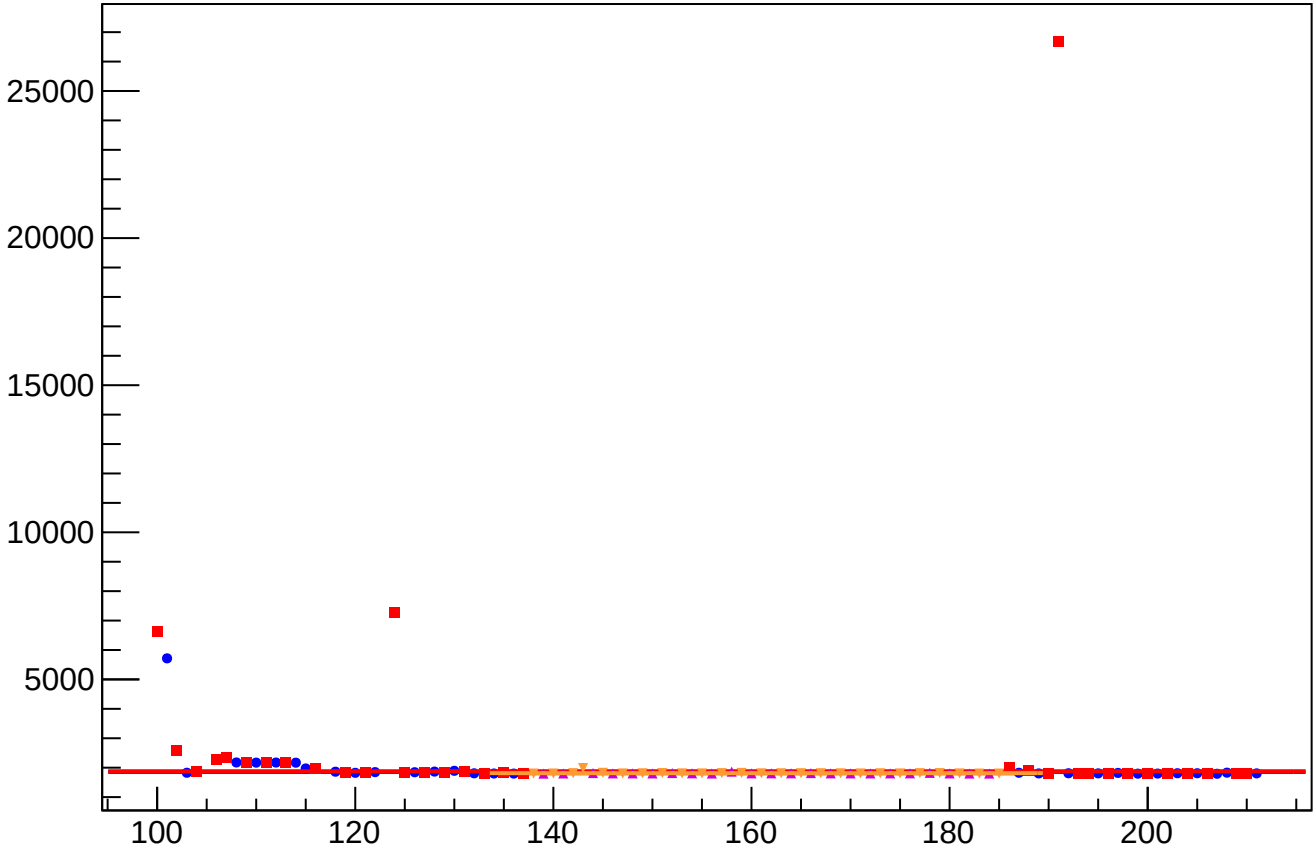
Right: -563.126+/-321.066 χ^2/NDF: 44.6/60

In: -319.869+/-311.302 χ^2/NDF:52.0/50

Out: -738.698+/-303.397 χ^2/NDF:46.8/57

All: -534.669+/-217.275 χ^2/NDF: 99.7/108

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1857.939+/-0.325 χ^2/NDF: 675958.6/27

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1877.386+/-0.317 χ^2/NDF: 759138.0/32

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

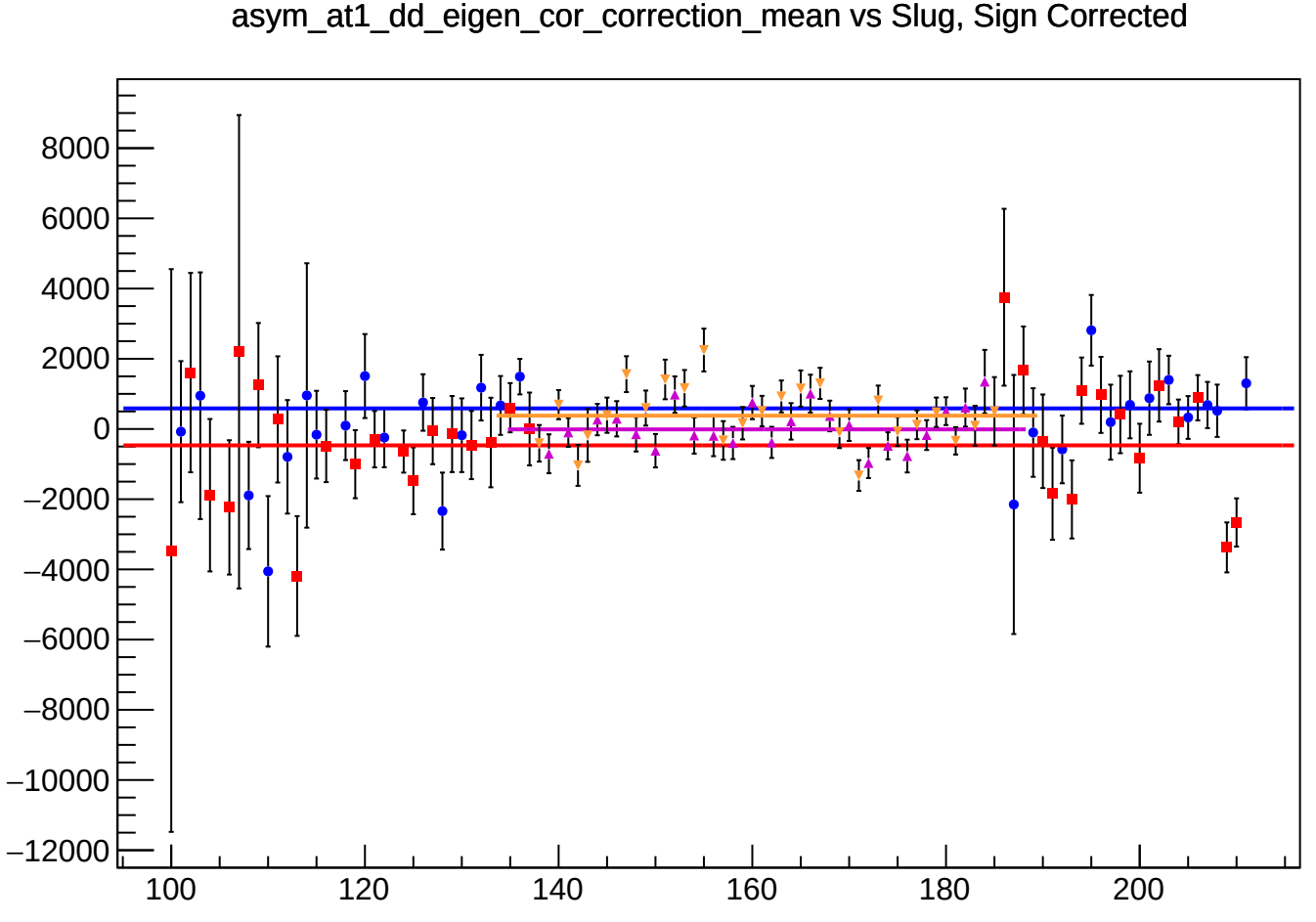
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1867.919+/-0.227 χ^2/NDF: 1436929.7/60

In: 1832.188+/-0.220 χ^2/NDF:689474.3/50

Out: 1843.282+/-0.215 χ^2/NDF:793615.6/57

All: 1837.878+/-0.154 χ^2/NDF: 1484392.8/10



Right In: 586.177+/-178.672 χ^2/NDF: 31.6/27

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -467.003+/-176.273 χ^2/NDF: 61.6/32

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

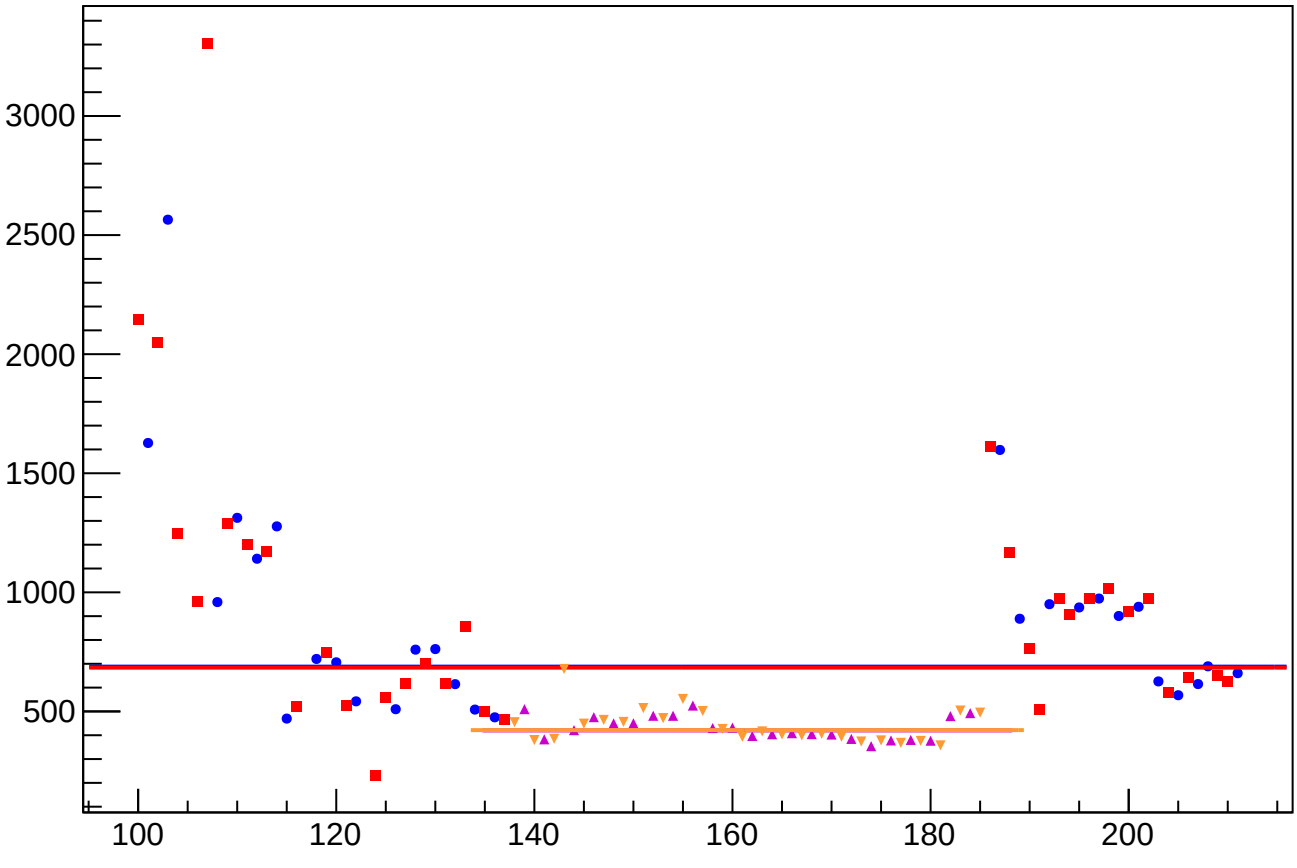
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 52.471+/-125.483 χ^2/NDF: 110.8/60

In: 128.809+/-86.579 χ^2/NDF:71.3/50

Out: 182.586+/-84.992 χ^2/NDF:141.6/57

All: 156.194+/-60.652 χ^2/NDF: 213.1/108



Right In: 687.963+/-0.126 χ^2/NDF: 3066691.4/27

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 683.926+/-0.125 χ^2/NDF: 4706584.0/32

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

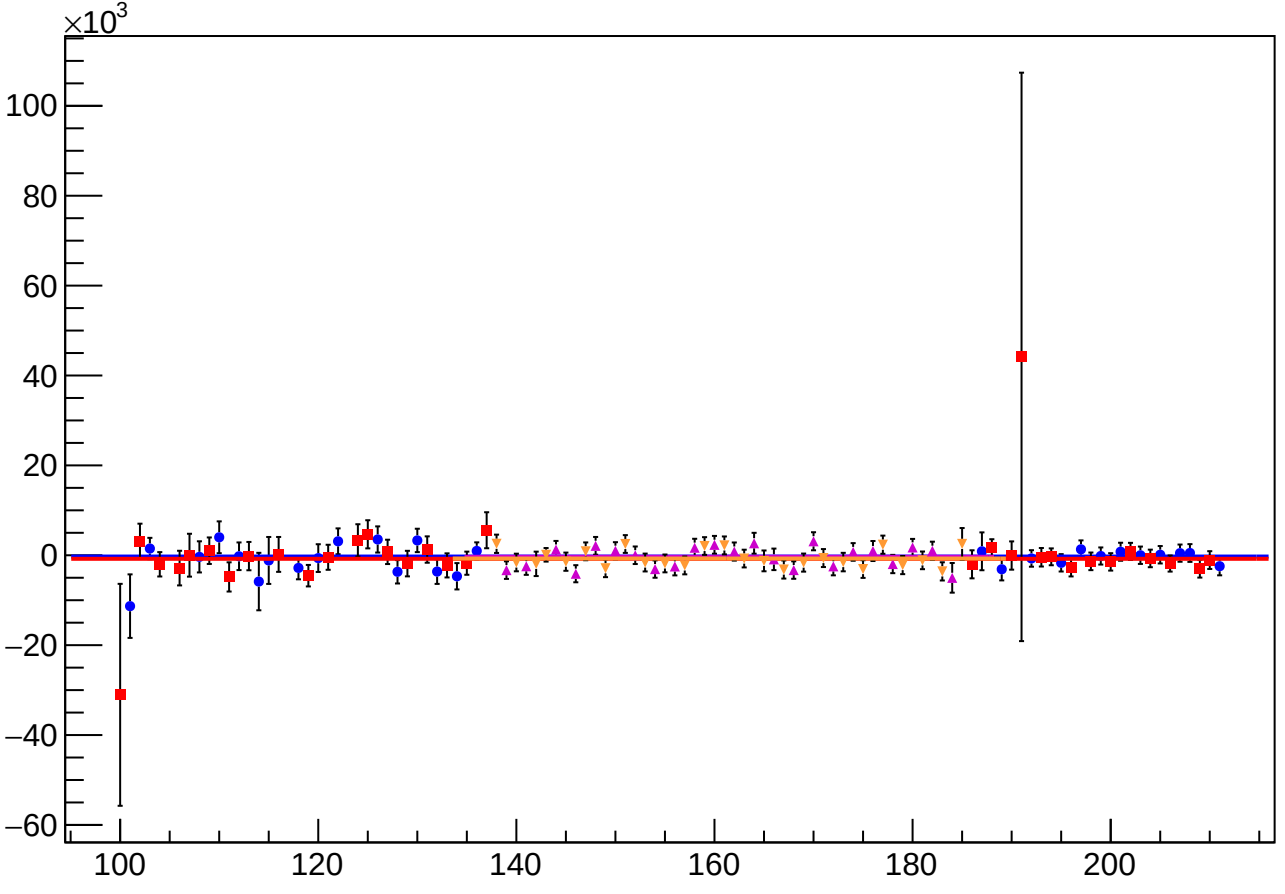
Right: 685.917+/-0.089 χ^2/NDF: 7773793.0/60

In: 483.087+/-0.061 χ^2/NDF:6916488.4/50

Out: 482.447+/-0.060 χ^2/NDF:8853850.4/57

All: 482.761+/-0.043 χ^2/NDF: 15770394.5/10

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -282.568+/-460.653 χ^2/NDF: 21.5/27

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -784.713+/-445.937 χ^2/NDF: 21.6/32

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

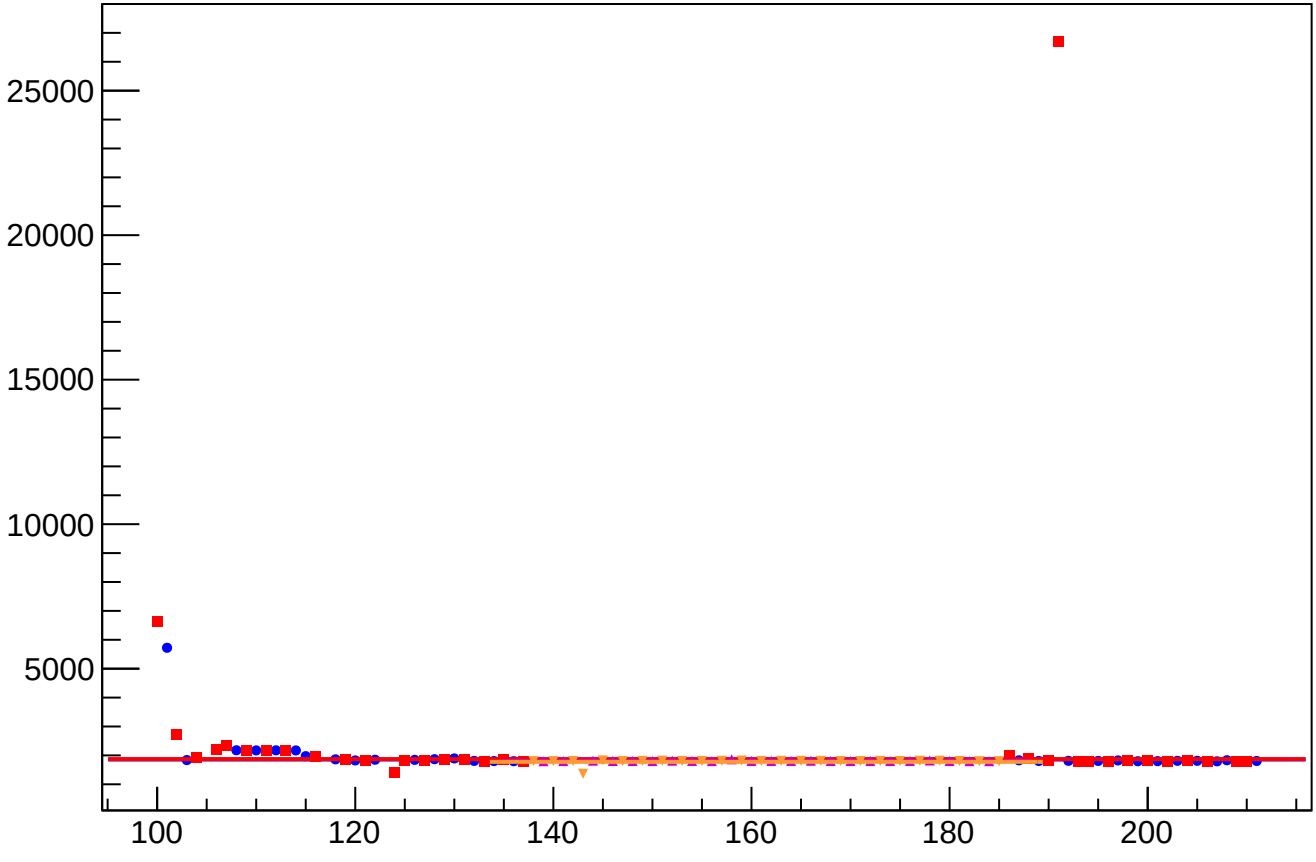
Right: -541.789+/-320.401 χ^2/NDF: 43.7/60

In: -314.400+/-311.512 χ^2/NDF:51.1/50

Out: -751.688+/-299.572 χ^2/NDF:43.8/57

All: -541.585+/-215.927 χ^2/NDF: 95.9/108

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1859.804+/-0.326 χ^2/NDF: 675707.4/27

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1869.808+/-0.315 χ^2/NDF: 634735.3/32

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

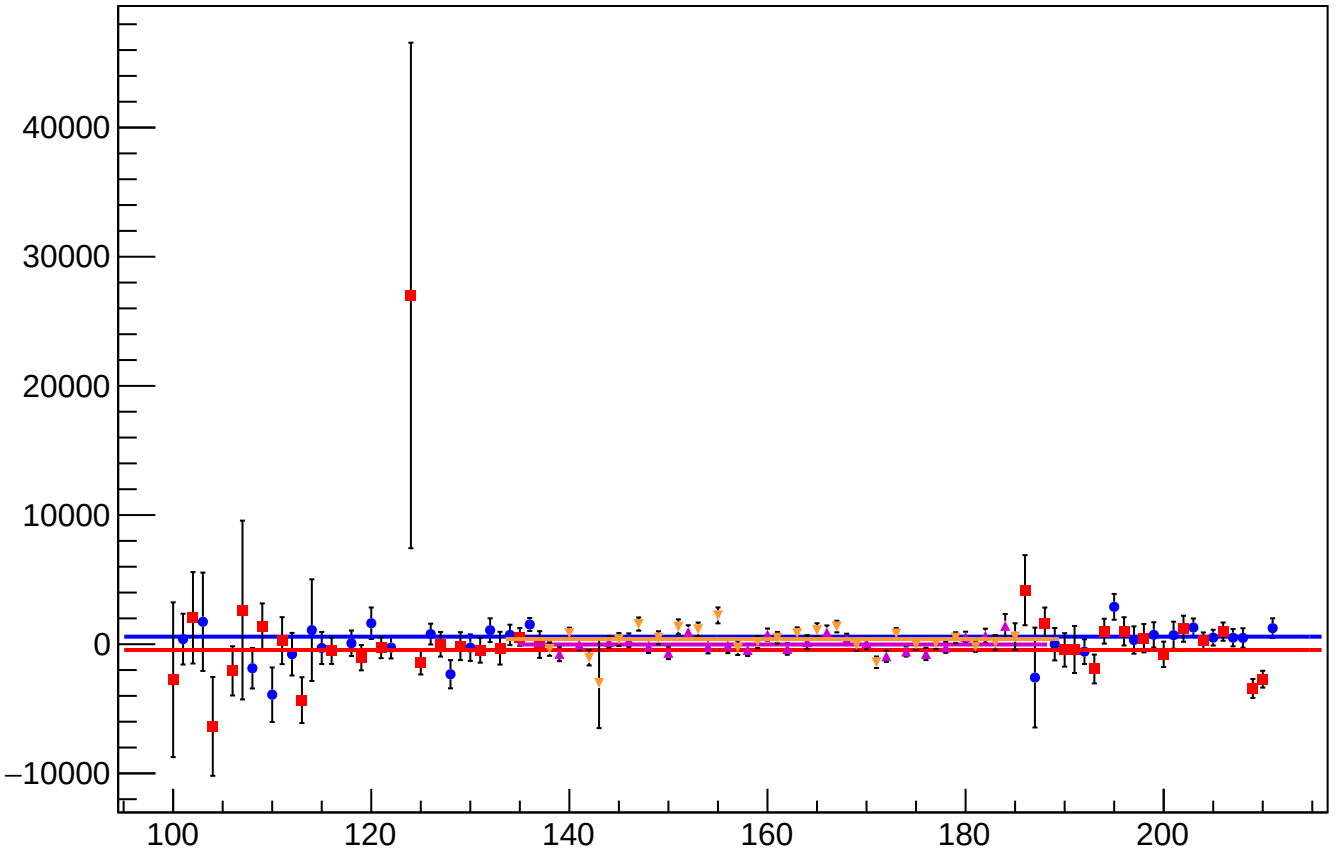
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1864.968+/-0.227 χ^2/NDF: 1310929.5/60

In: 1833.364+/-0.220 χ^2/NDF:689814.0/50

Out: 1818.730+/-0.212 χ^2/NDF:843849.2/57

All: 1825.761+/-0.153 χ^2/NDF: 1535956.1/10



Right In: 584.181+/-179.020 χ^2/NDF: 31.5/27

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -448.177+/-186.811 χ^2/NDF: 64.5/32

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

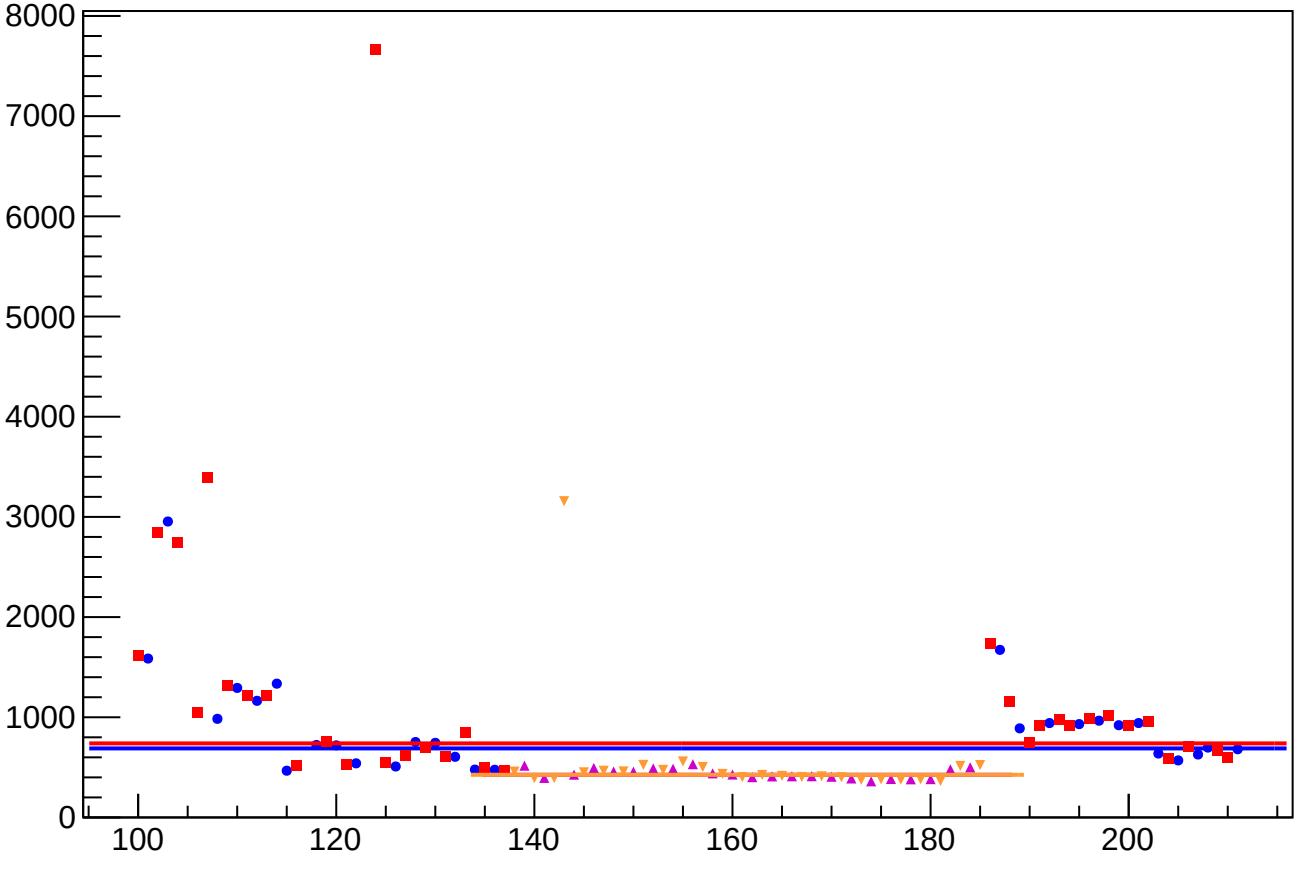
Right: 89.977+/-129.253 χ^2/NDF: 111.9/60

In: 123.161+/-87.478 χ^2/NDF:71.0/50

Out: 212.190+/-87.589 χ^2/NDF:141.0/57

All: 167.619+/-61.896 χ^2/NDF: 212.6/108

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 689.084+/-0.127 χ^2/NDF: 3245807.0/27

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 739.287+/-0.132 χ^2/NDF: 4459818.2/32

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

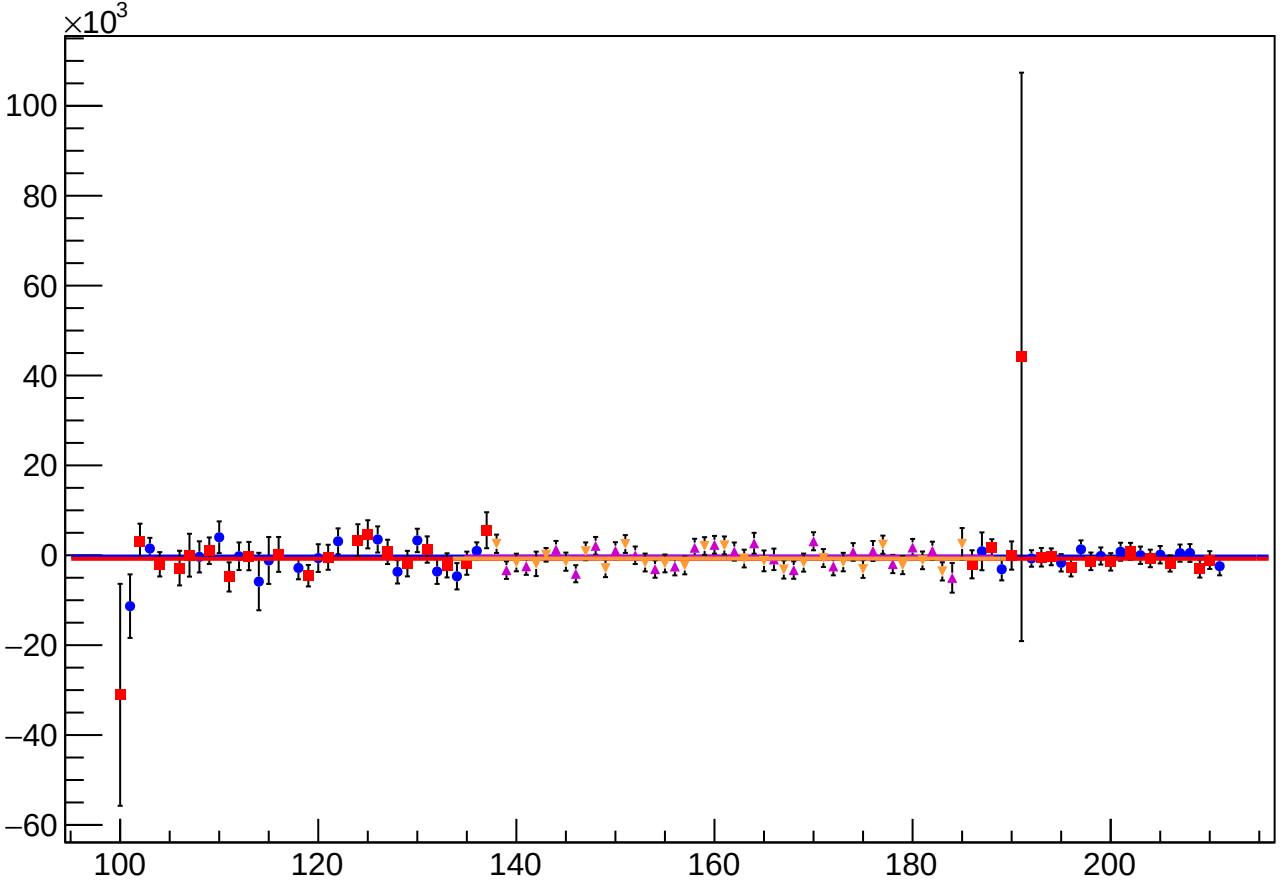
Right: 713.117+/-0.091 χ^2/NDF: 7780917.1/60

In: 488.929+/-0.062 χ^2/NDF:6945583.0/50

Out: 494.635+/-0.062 χ^2/NDF:10574766.5/57

All: 491.778+/-0.044 χ^2/NDF: 17524598.3/10

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -282.569+/-460.653 χ^2/NDF: 21.5/27

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -784.711+/-445.937 χ^2/NDF: 21.6/32

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

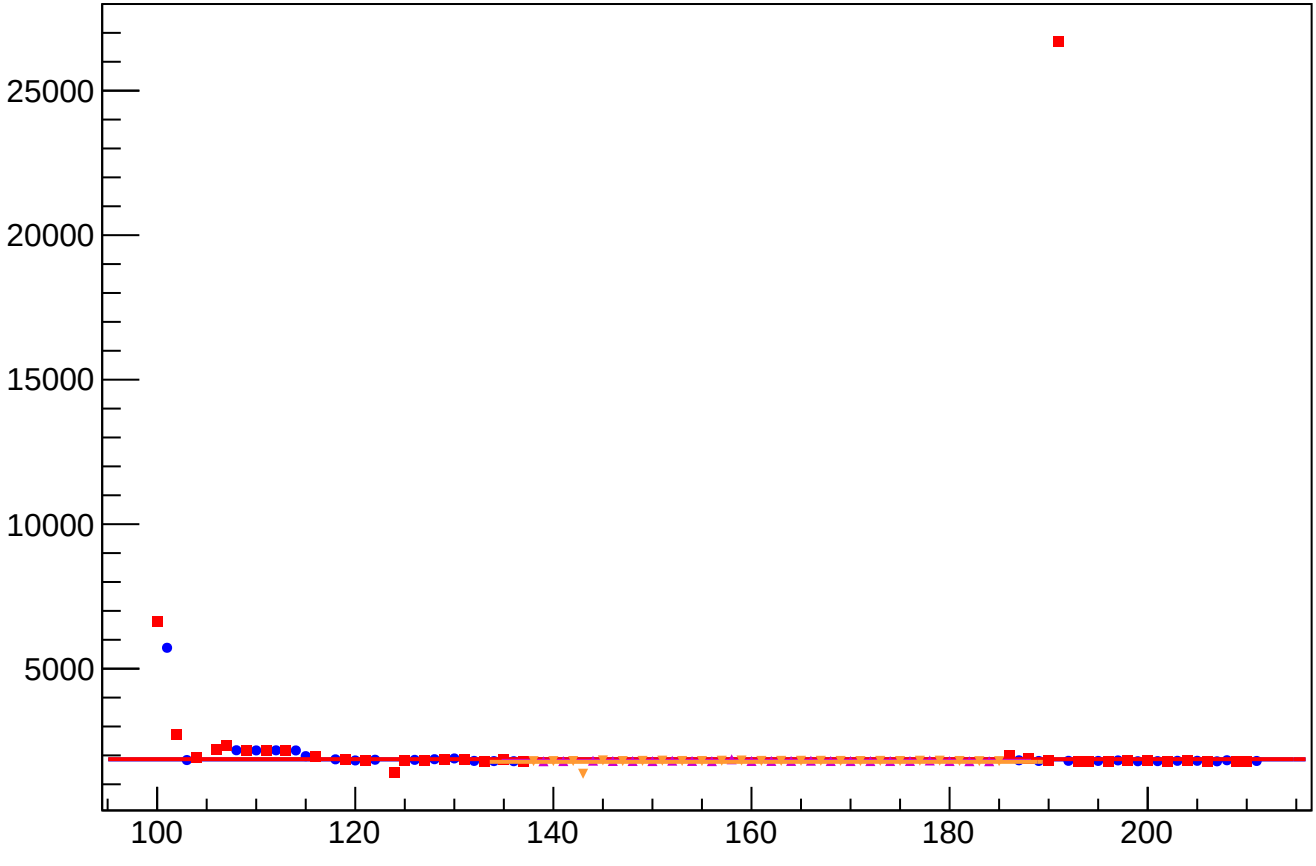
Right: -541.789+/-320.401 χ^2/NDF: 43.7/60

In: -314.401+/-311.512 χ^2/NDF:51.1/50

Out: -751.688+/-299.572 χ^2/NDF:43.8/57

All: -541.585+/-215.927 χ^2/NDF: 95.9/108

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1859.804+/-0.326 χ^2/NDF: 675707.4/27

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1869.808+/-0.315 χ^2/NDF: 634735.1/32

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

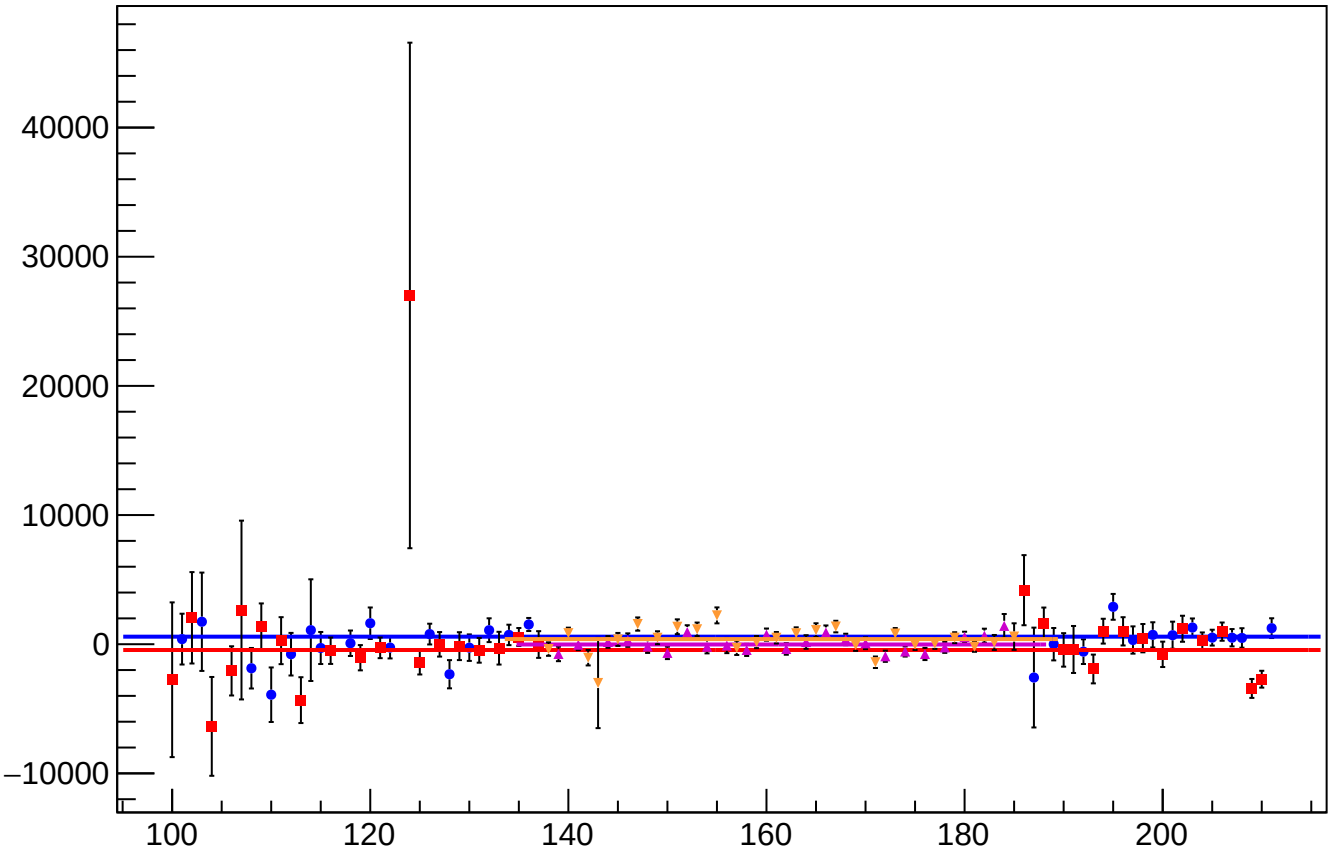
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1864.968+/-0.227 χ^2/NDF: 1310929.4/60

In: 1833.364+/-0.220 χ^2/NDF:689814.0/50

Out: 1818.730+/-0.212 χ^2/NDF:843849.0/57

All: 1825.761+/-0.153 χ^2/NDF: 1535955.9/10



Right In: 584.180+/-179.020 χ^2/NDF: 31.5/27

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -448.175+/-186.811 χ^2/NDF: 64.5/32

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

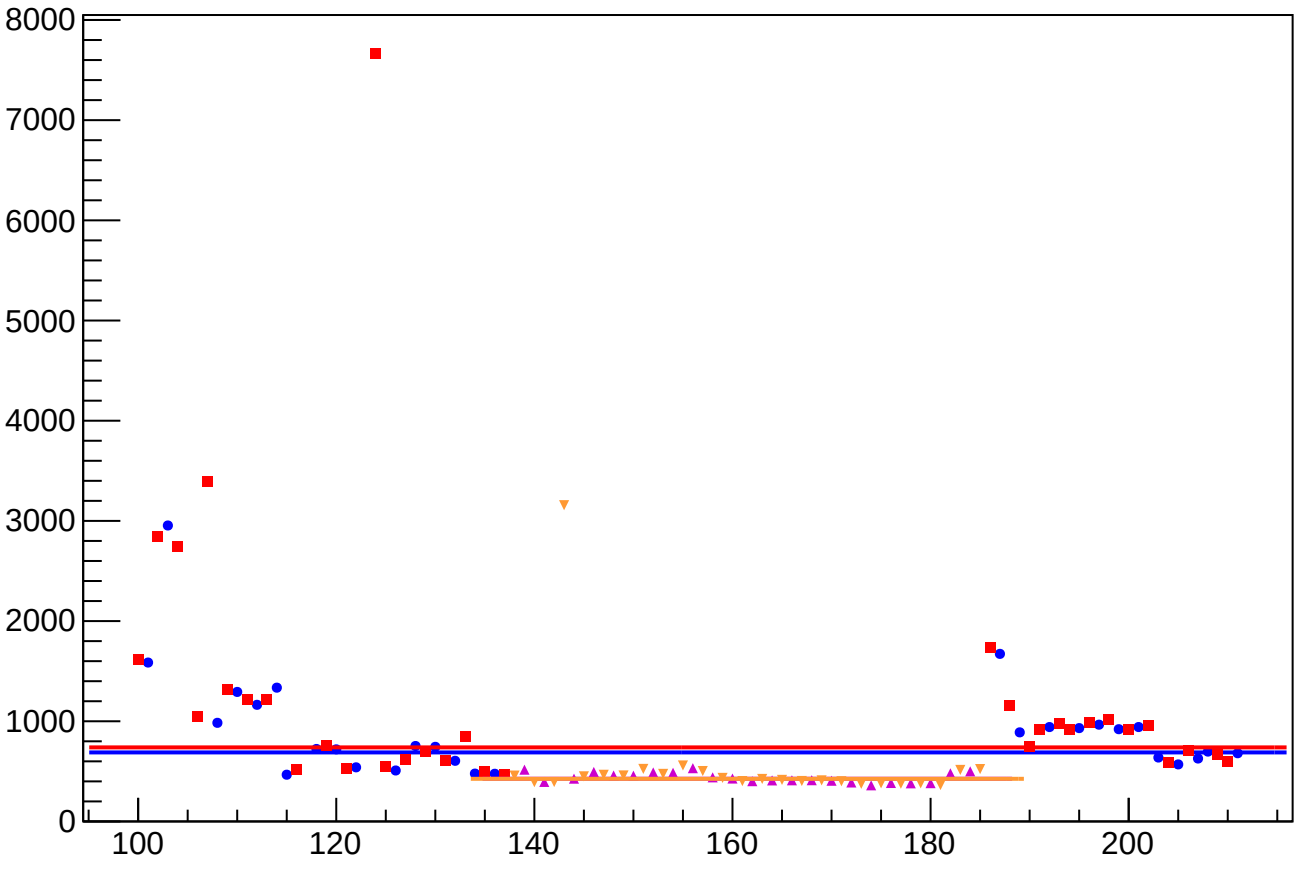
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 89.978+/-129.253 χ^2/NDF: 111.9/60

In: 123.161+/-87.478 χ^2/NDF:71.0/50

Out: 212.190+/-87.589 χ^2/NDF:141.0/57

All: 167.619+/-61.896 χ^2/NDF: 212.6/108



Right In: 689.085+/-0.127 χ^2/NDF: 3245807.0/27

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 739.287+/-0.132 χ^2/NDF: 4459816.0/32

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

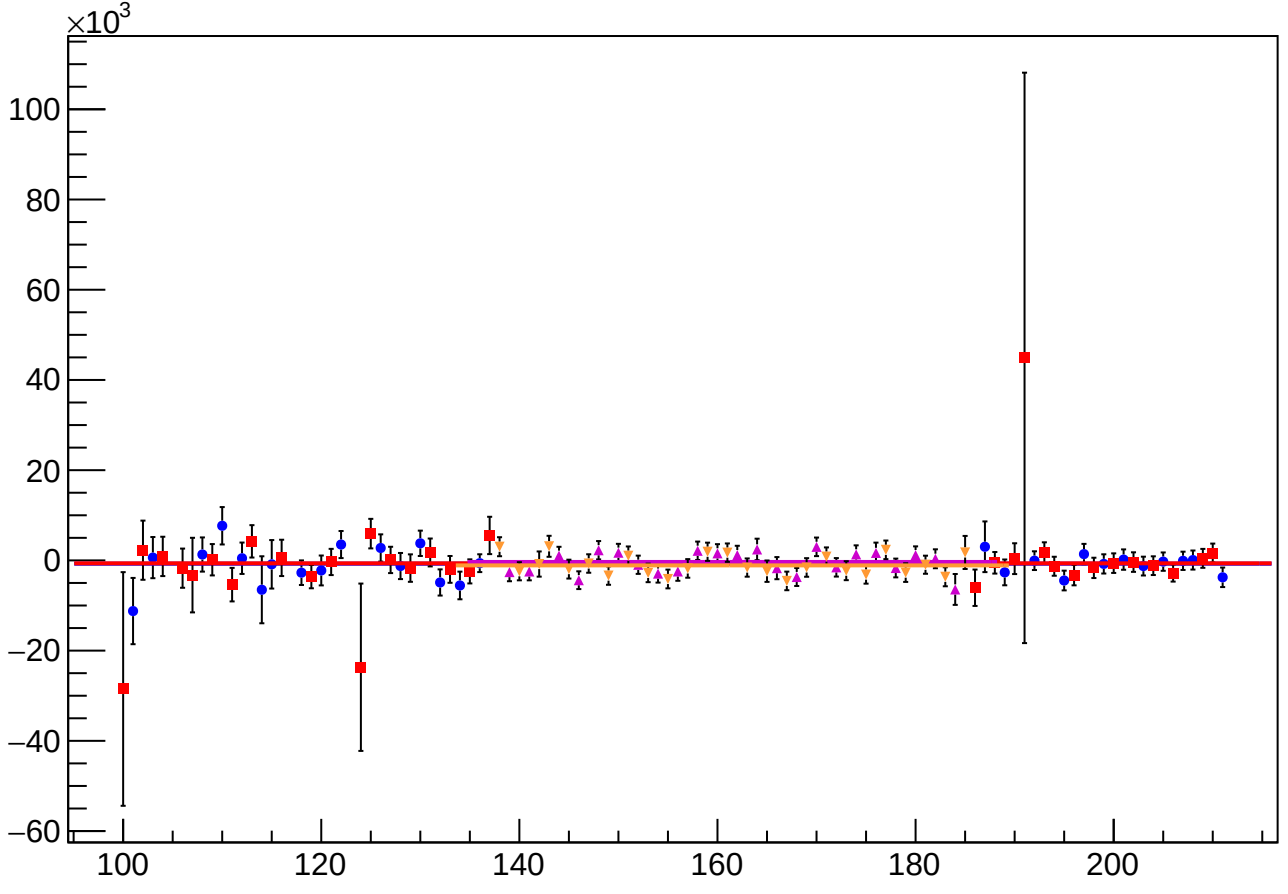
Right: 713.117+/-0.091 χ^2/NDF: 7780915.7/60

In: 488.929+/-0.062 χ^2/NDF:6945595.0/50

Out: 494.635+/-0.062 χ^2/NDF:10574784.8/57

All: 491.778+/-0.044 χ^2/NDF: 17524628.4/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -732.030+/-508.670 χ^2/NDF: 25.8/27

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -648.782+/-502.759 χ^2/NDF: 23.6/32

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

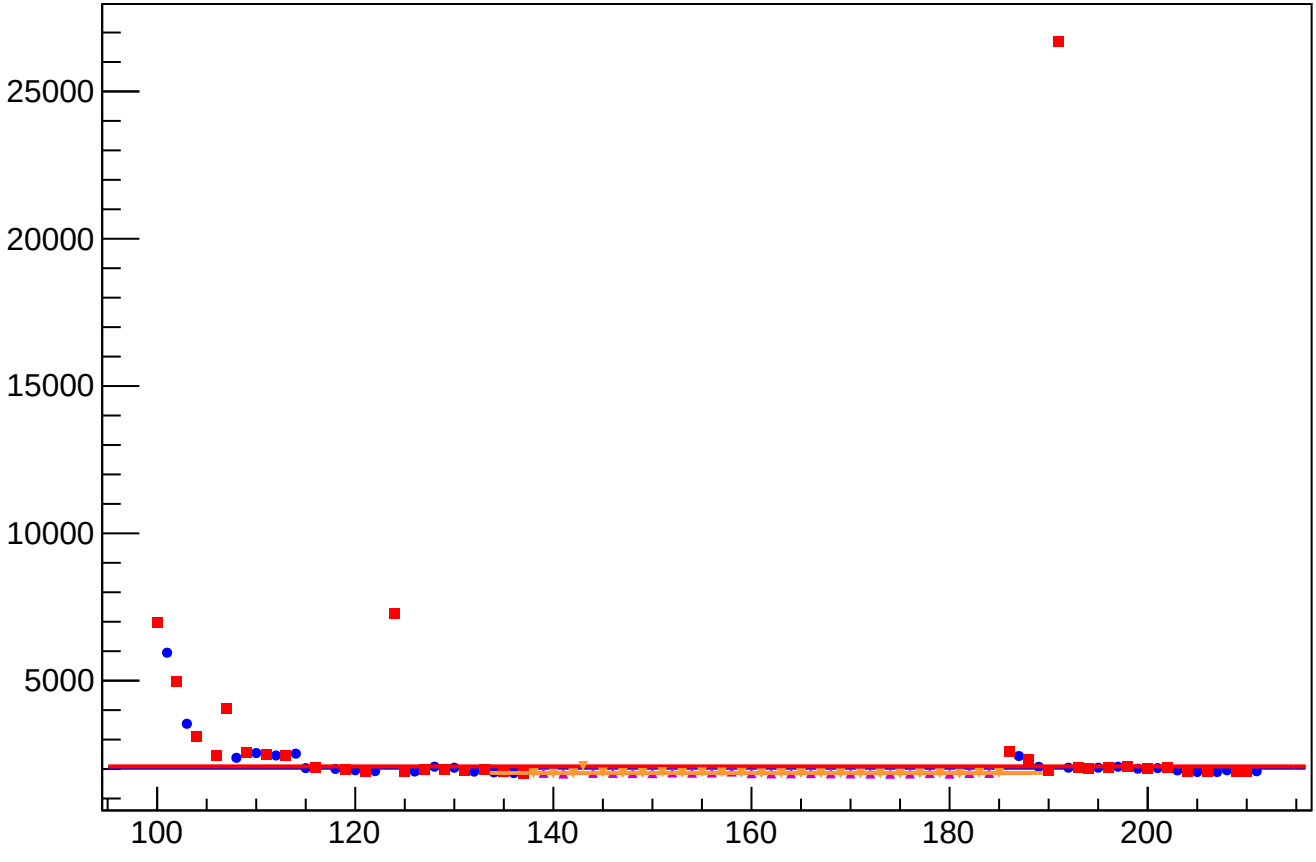
Right: -689.920+/-357.576 χ^2/NDF: 49.4/60

In: -509.579+/-330.575 χ^2/NDF:54.9/50

Out: -915.507+/-324.413 χ^2/NDF:52.1/57

All: -716.362+/-231.543 χ^2/NDF: 107.7/108

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2044.914+/-0.360 χ^2/NDF: 940402.0/27

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2090.437+/-0.356 χ^2/NDF: 1394266.8/32

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

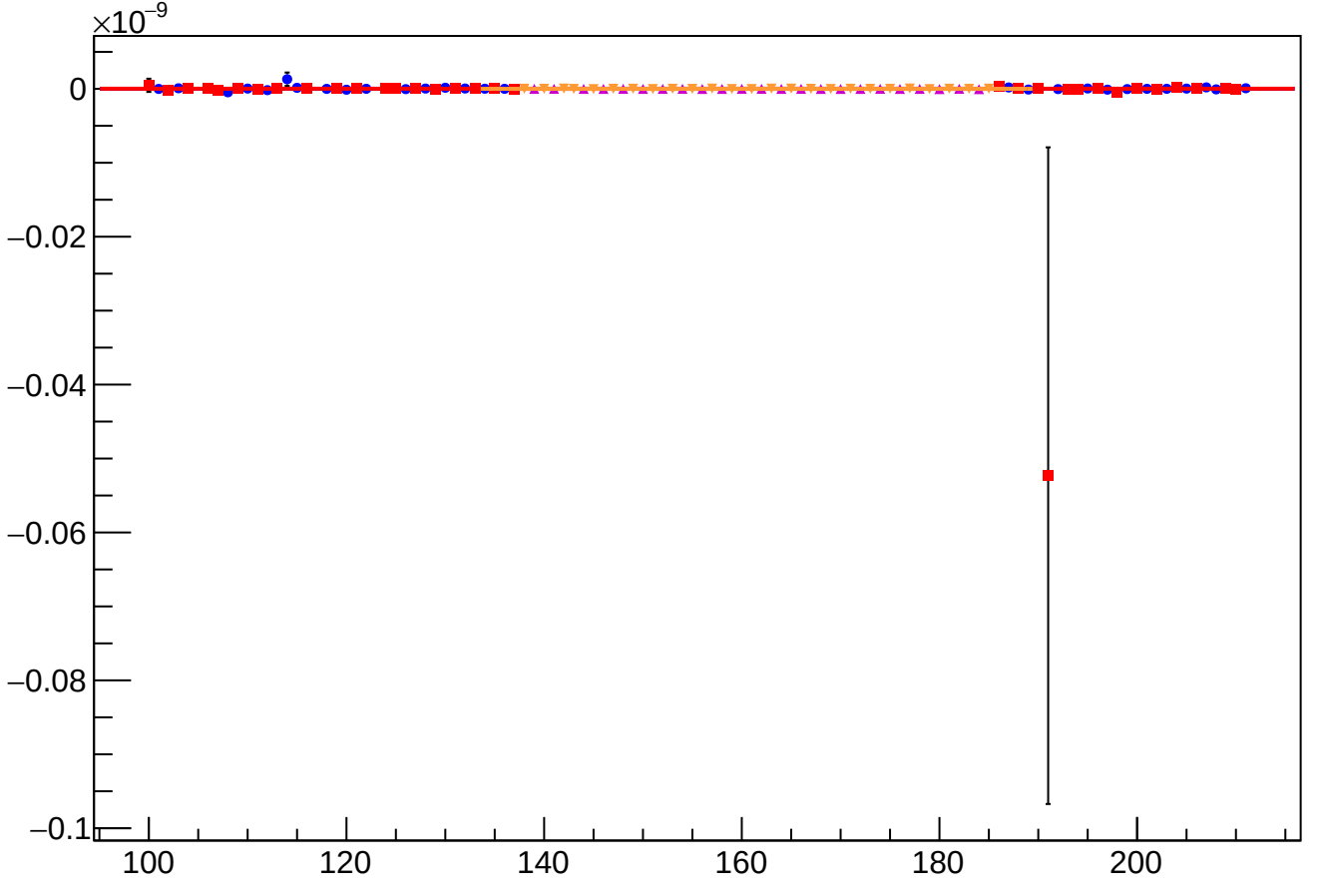
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2067.942+/-0.253 χ^2/NDF: 2342771.7/60

In: 1939.731+/-0.234 χ^2/NDF:1091156.1/50

Out: 1961.165+/-0.229 χ^2/NDF:1644141.6/57

All: 1950.650+/-0.164 χ^2/NDF: 2739580.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

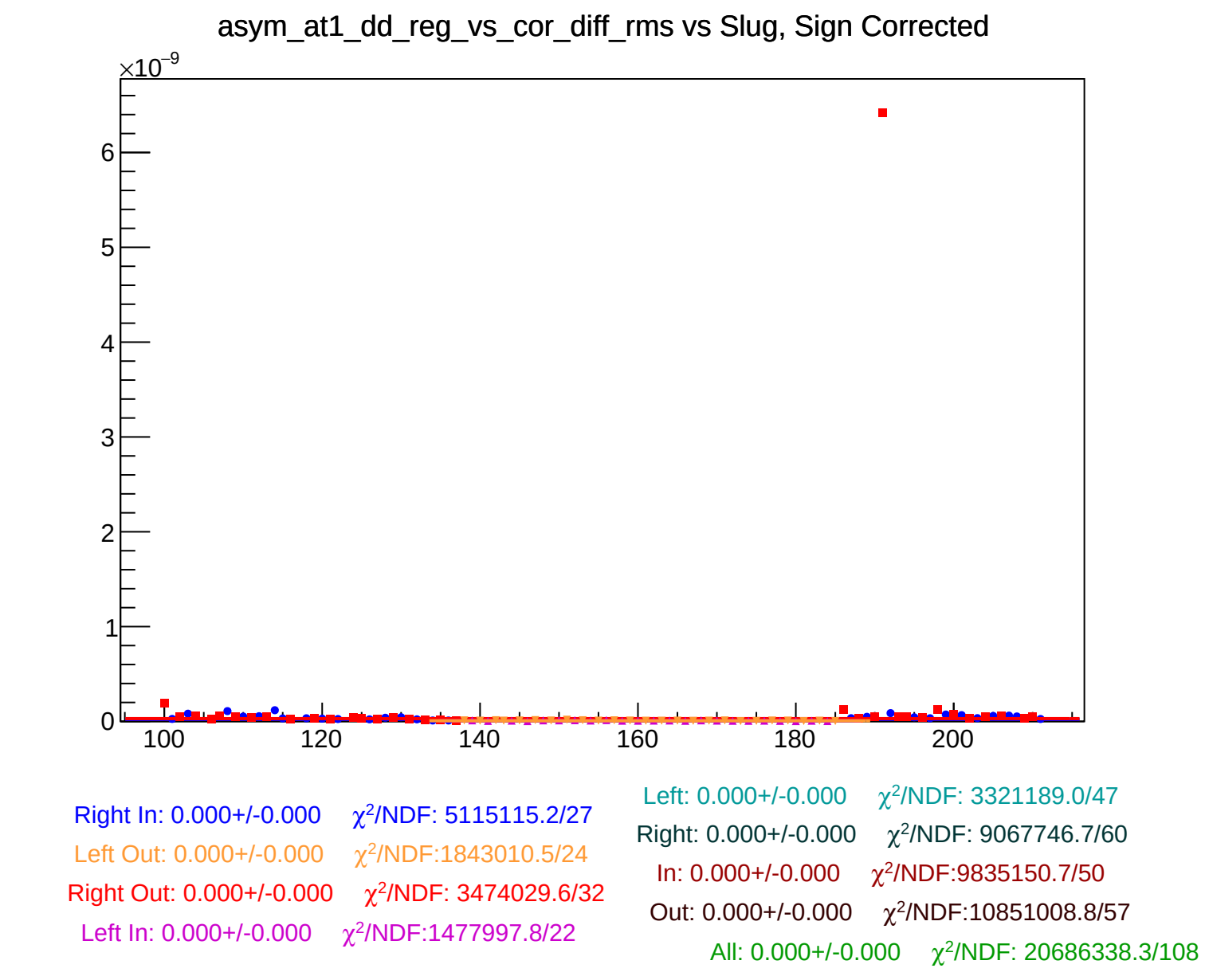
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

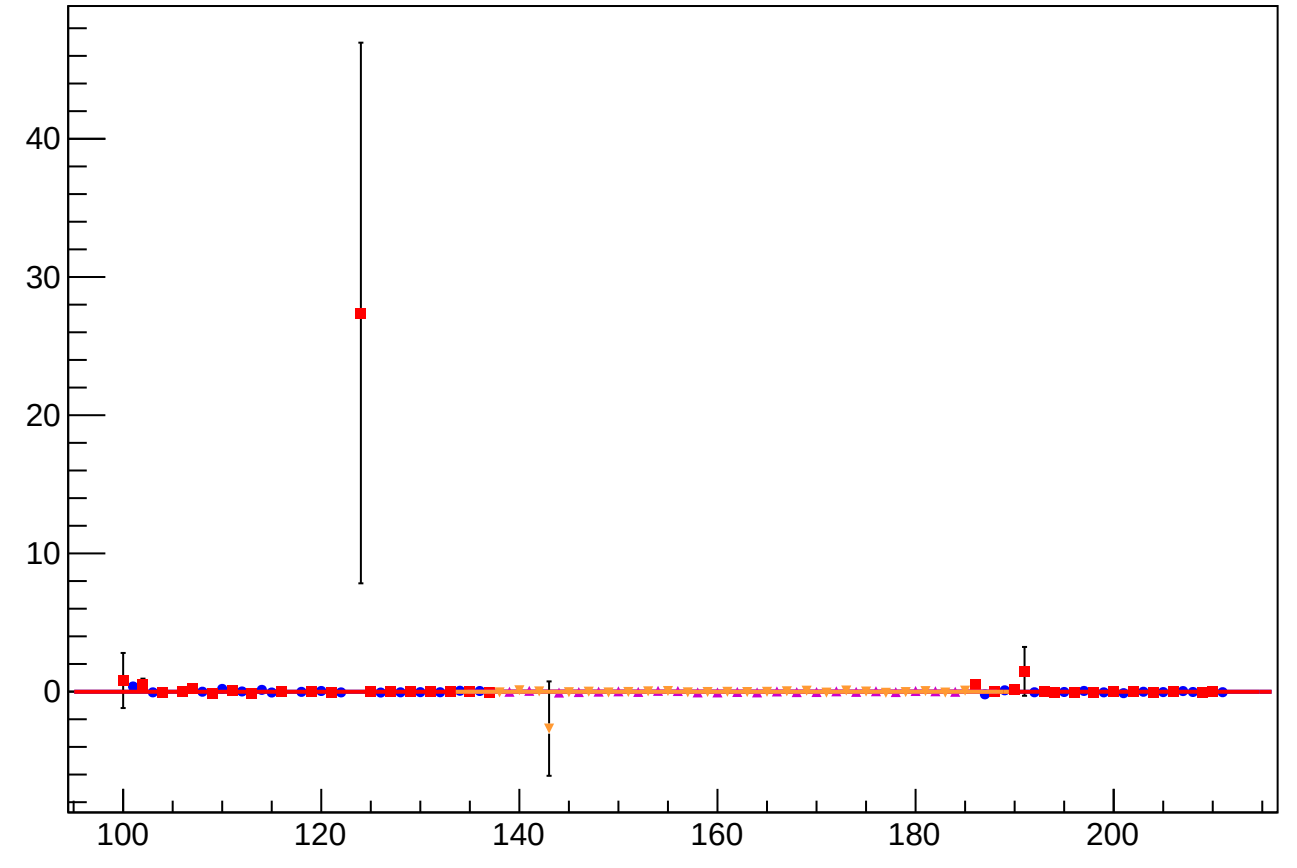
Right: 0.000+/-0.000 χ^2/NDF: 62.5/60

In: -0.000+/-0.000 χ^2/NDF:46.7/50

Out: 0.000+/-0.000 χ^2/NDF:76.7/57

All: -0.000+/-0.000 χ^2/NDF: 125.2/108


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0
1
2
3
4
5
6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5115115.2/27
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3474029.6/32
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: 9067746.7/60
In: 0.000+/-0.000 χ²/NDF:9835150.7/50
Out: 0.000+/-0.000 χ²/NDF:10851008.8/57
All: 0.000+/-0.000 χ²/NDF: 20686338.3/108



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.011 χ^2/NDF: 27.6/32

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

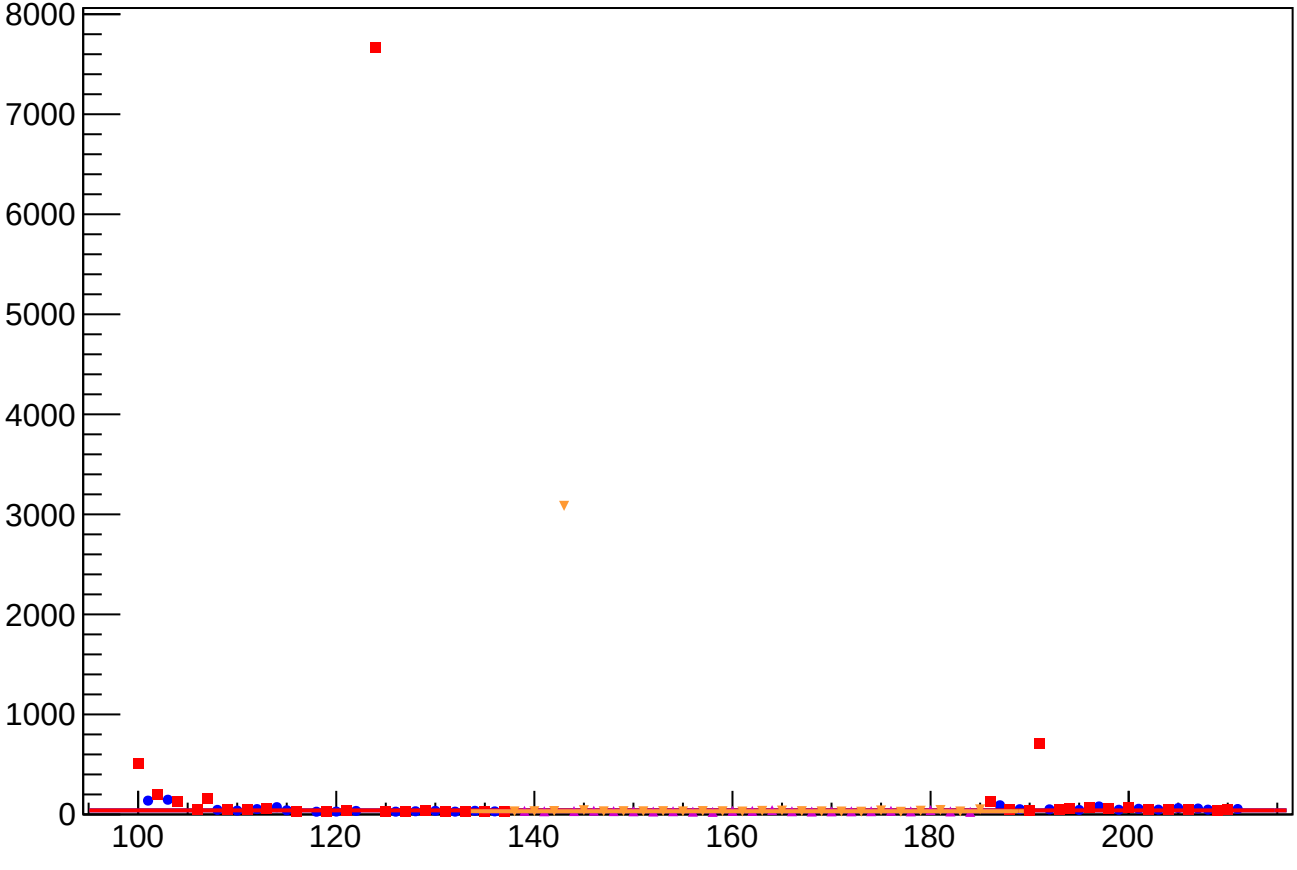
Right: -0.009+/-0.008 χ^2/NDF: 56.4/60

In: -0.005+/-0.007 χ^2/NDF:49.8/50

Out: -0.010+/-0.007 χ^2/NDF:67.1/57

All: -0.008+/-0.005 χ^2/NDF: 117.1/108

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.203+/-0.008 χ^2/NDF: 3355652.2/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.729+/-0.008 χ^2/NDF: 4346814.1/32

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

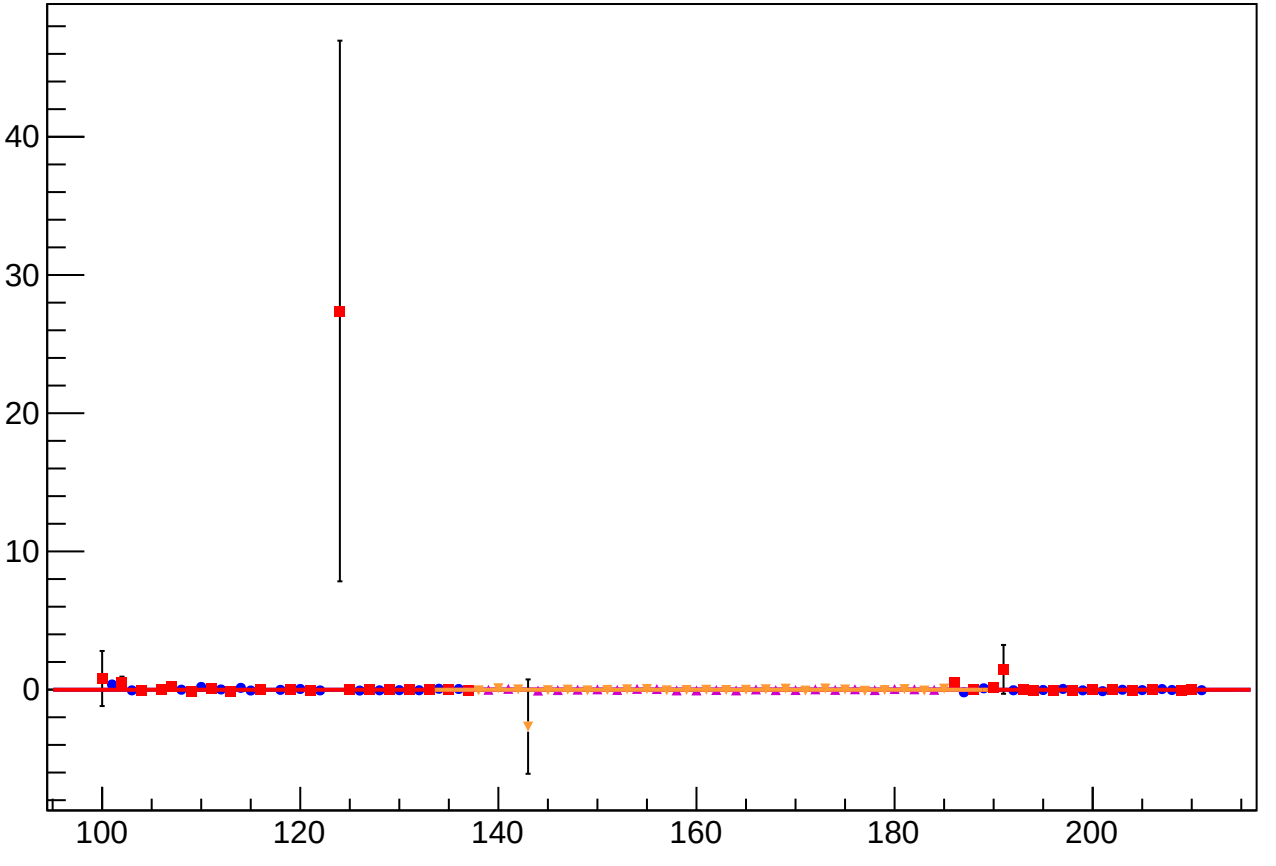
Right: 40.961+/-0.006 χ^2/NDF: 7704159.5/60

In: 35.382+/-0.005 χ^2/NDF:4538801.4/50

Out: 35.180+/-0.005 χ^2/NDF:7191905.8/57

All: 35.280+/-0.003 χ^2/NDF: 11731612.1/108

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.011 χ^2/NDF: 27.6/32

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

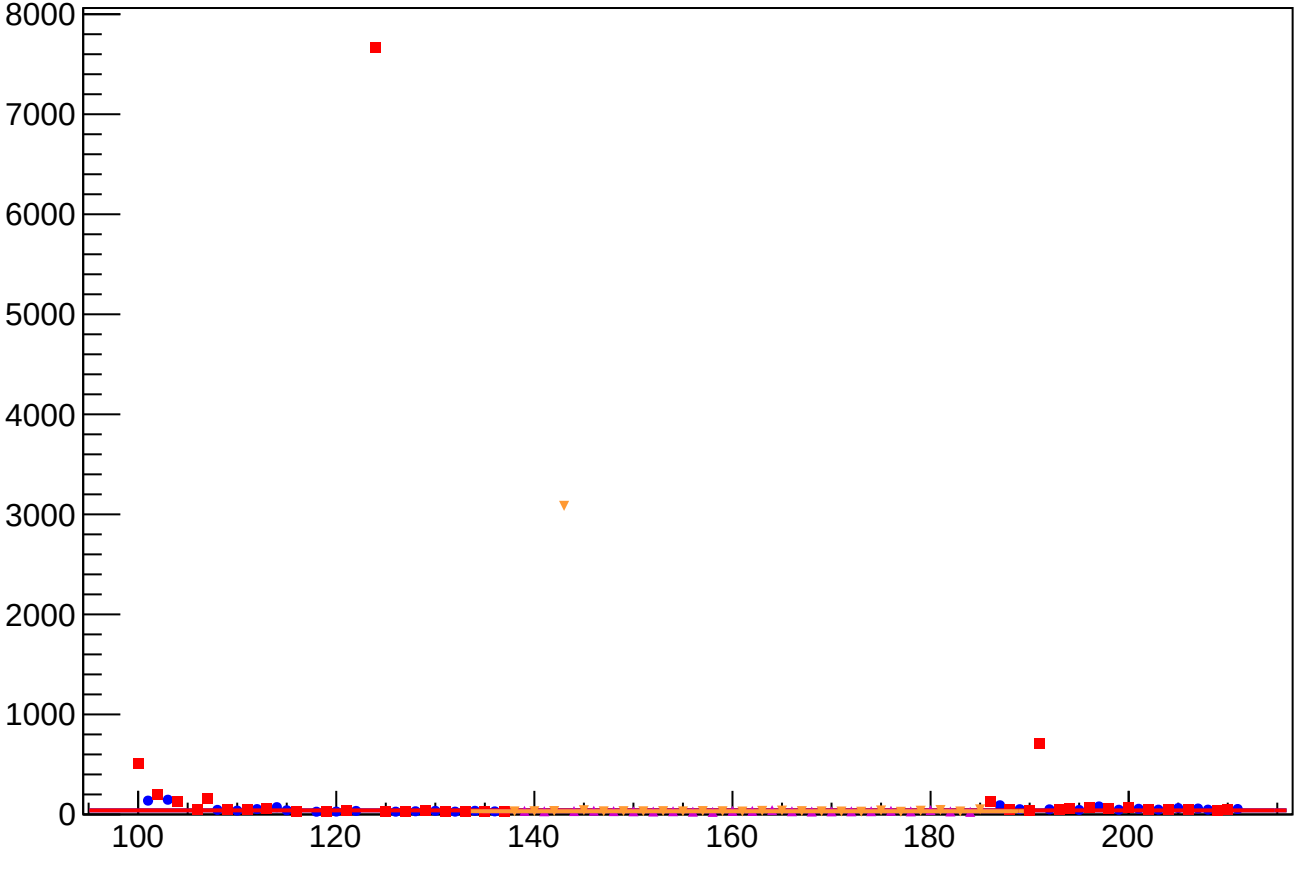
Right: -0.009+/-0.008 χ^2/NDF: 56.4/60

In: -0.005+/-0.007 χ^2/NDF:49.8/50

Out: -0.010+/-0.007 χ^2/NDF:67.1/57

All: -0.008+/-0.005 χ^2/NDF: 117.1/108

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.203+/-0.008 χ^2/NDF: 3355652.2/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.729+/-0.008 χ^2/NDF: 4346814.1/32

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

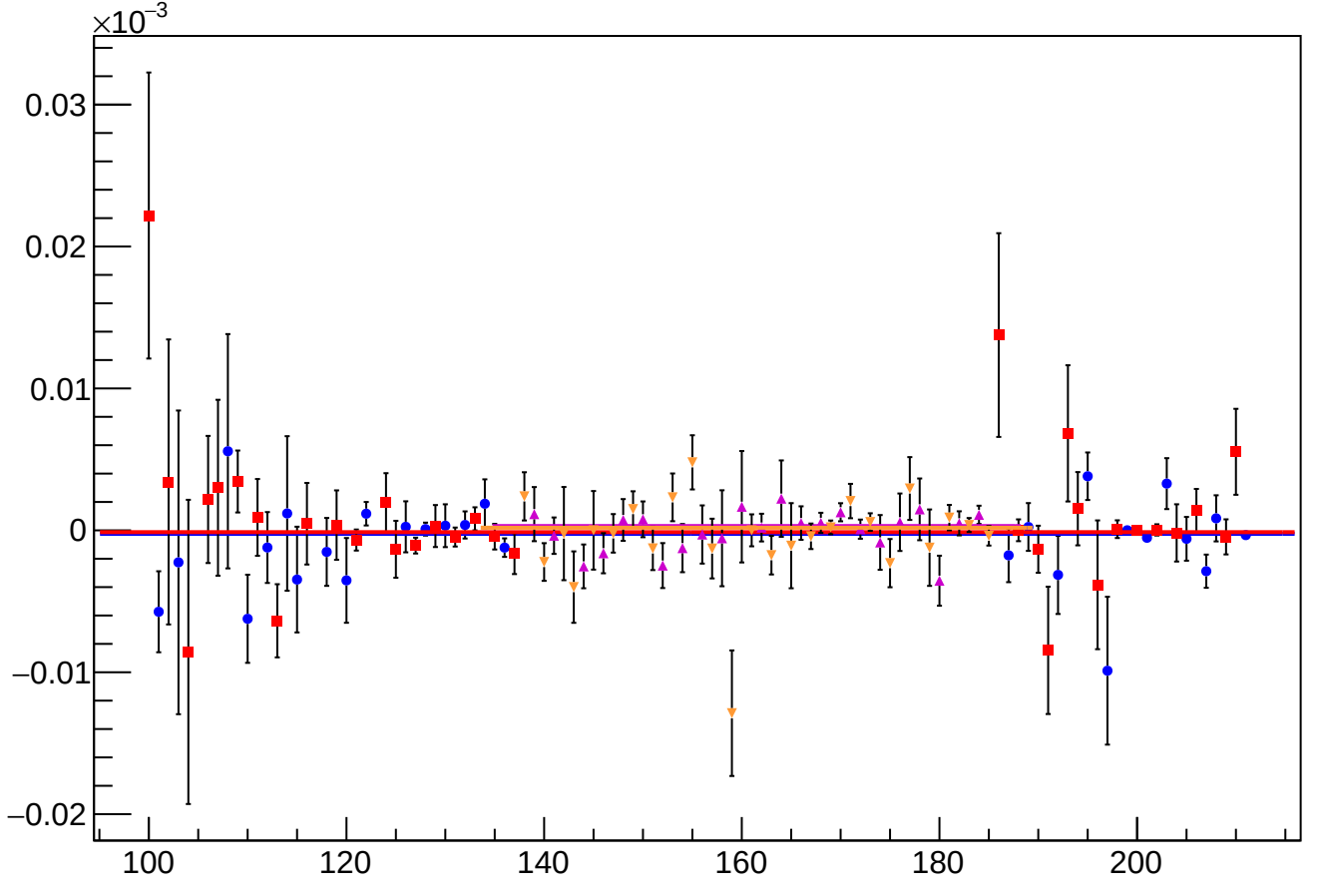
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.961+/-0.006 χ^2/NDF: 7704159.5/60

In: 35.382+/-0.005 χ^2/NDF:4538801.4/50

Out: 35.180+/-0.005 χ^2/NDF:7191905.8/57

All: 35.280+/-0.003 χ^2/NDF: 11731612.1/108



Right In: -0.000+/-0.000 χ^2/NDF: 40.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

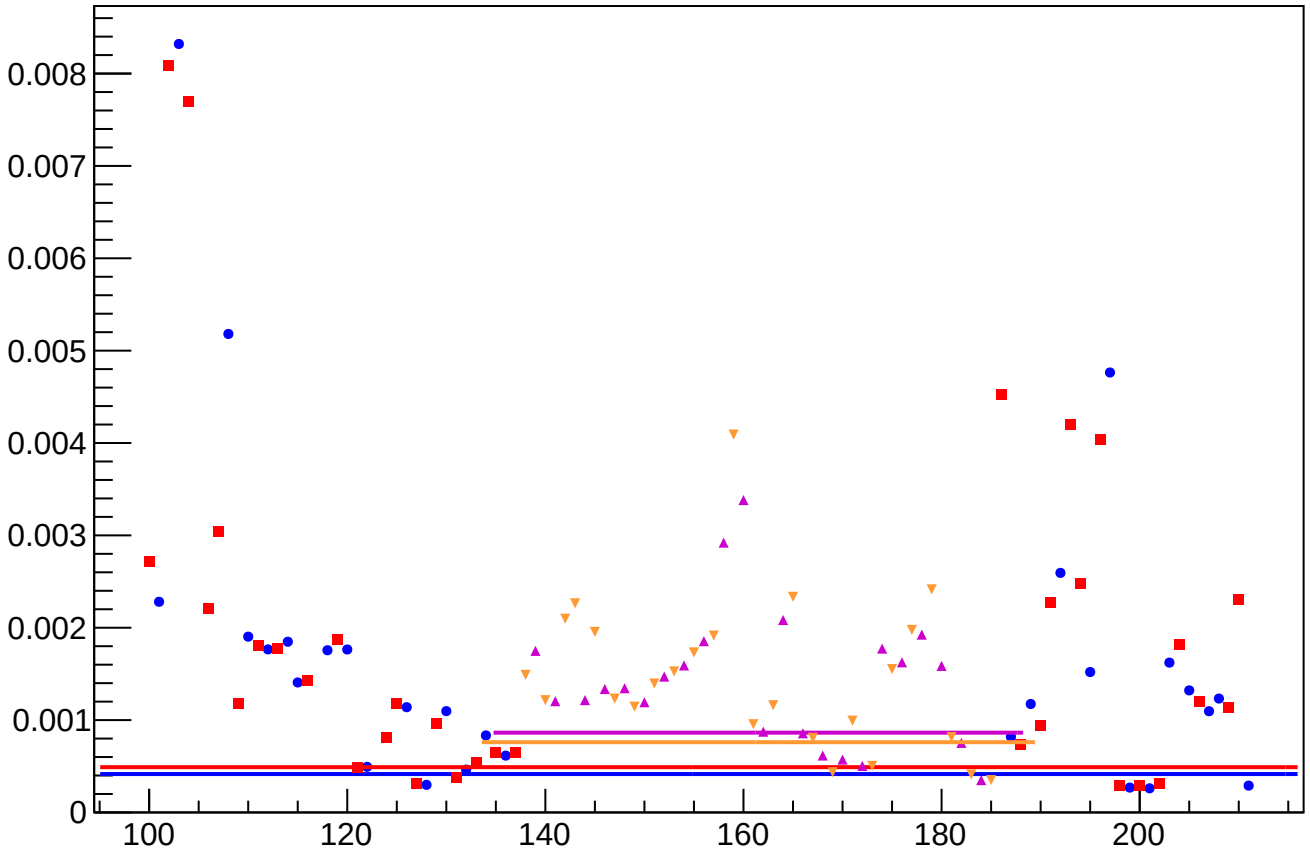
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 79.4/60

In: -0.000+/-0.000 χ^2/NDF:64.7/50

Out: -0.000+/-0.000 χ^2/NDF:77.4/57

All: -0.000+/-0.000 χ^2/NDF: 142.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 14328718.5/27

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14579524.5/32

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

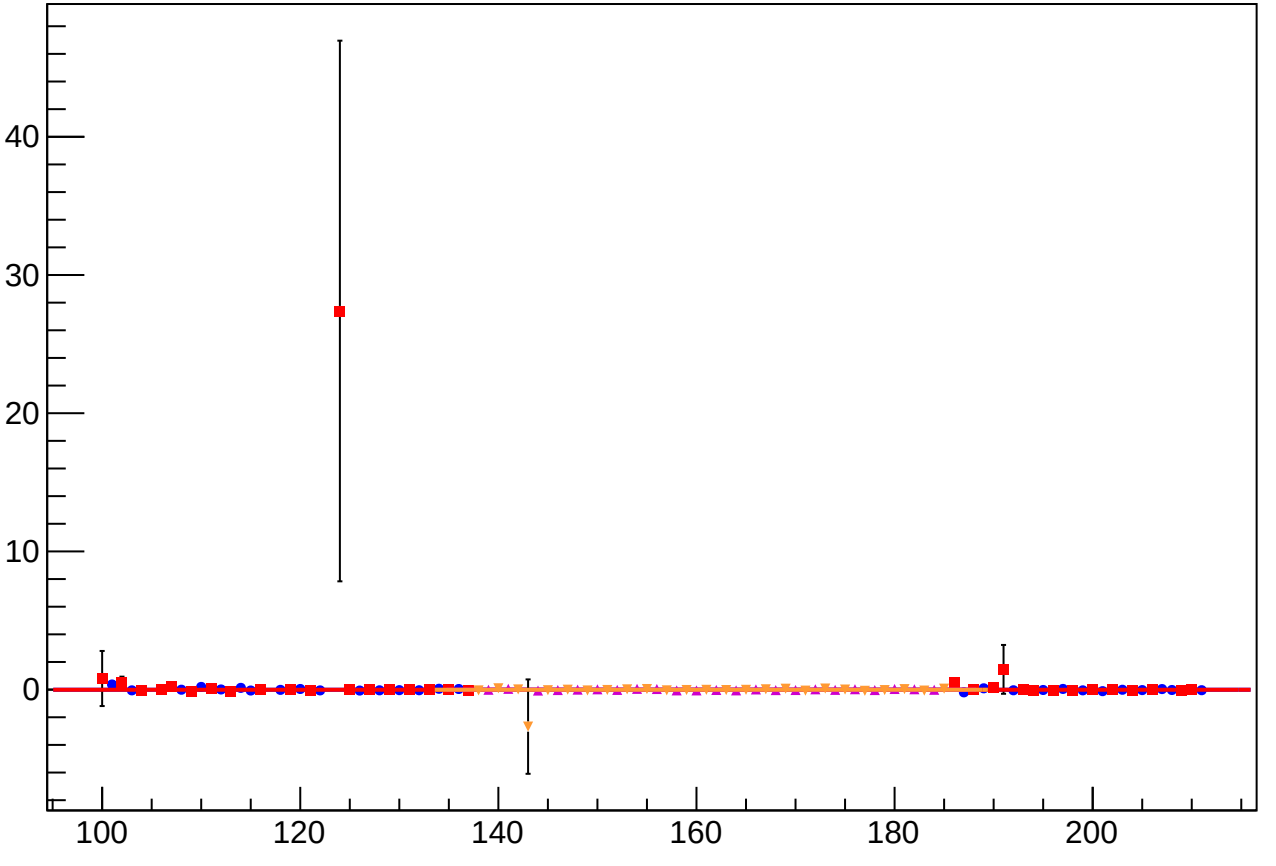
Right: 0.000+/-0.000 χ^2/NDF: 29136105.9/60

In: 0.001+/-0.000 χ^2/NDF:27906711.1/50

Out: 0.001+/-0.000 χ^2/NDF:27662549.9/57

All: 0.001+/-0.000 χ^2/NDF: 55782355.5/108

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.011 χ^2/NDF: 27.6/32

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

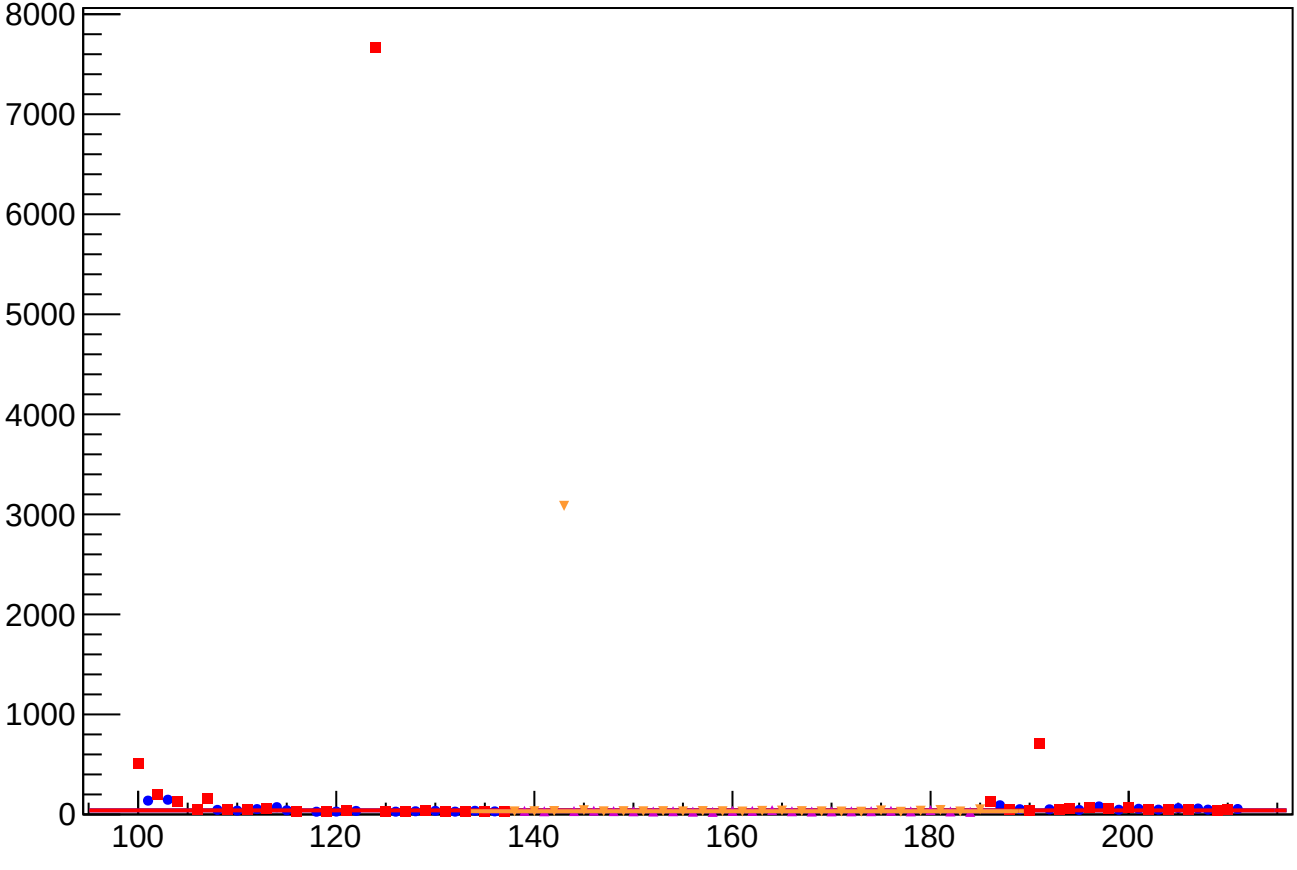
Right: -0.009+/-0.008 χ^2/NDF: 56.4/60

In: -0.005+/-0.007 χ^2/NDF:49.8/50

Out: -0.010+/-0.007 χ^2/NDF:67.1/57

All: -0.008+/-0.005 χ^2/NDF: 117.1/108

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.203+/-0.008 χ^2/NDF: 3355646.0/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.729+/-0.008 χ^2/NDF: 4346827.7/32

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

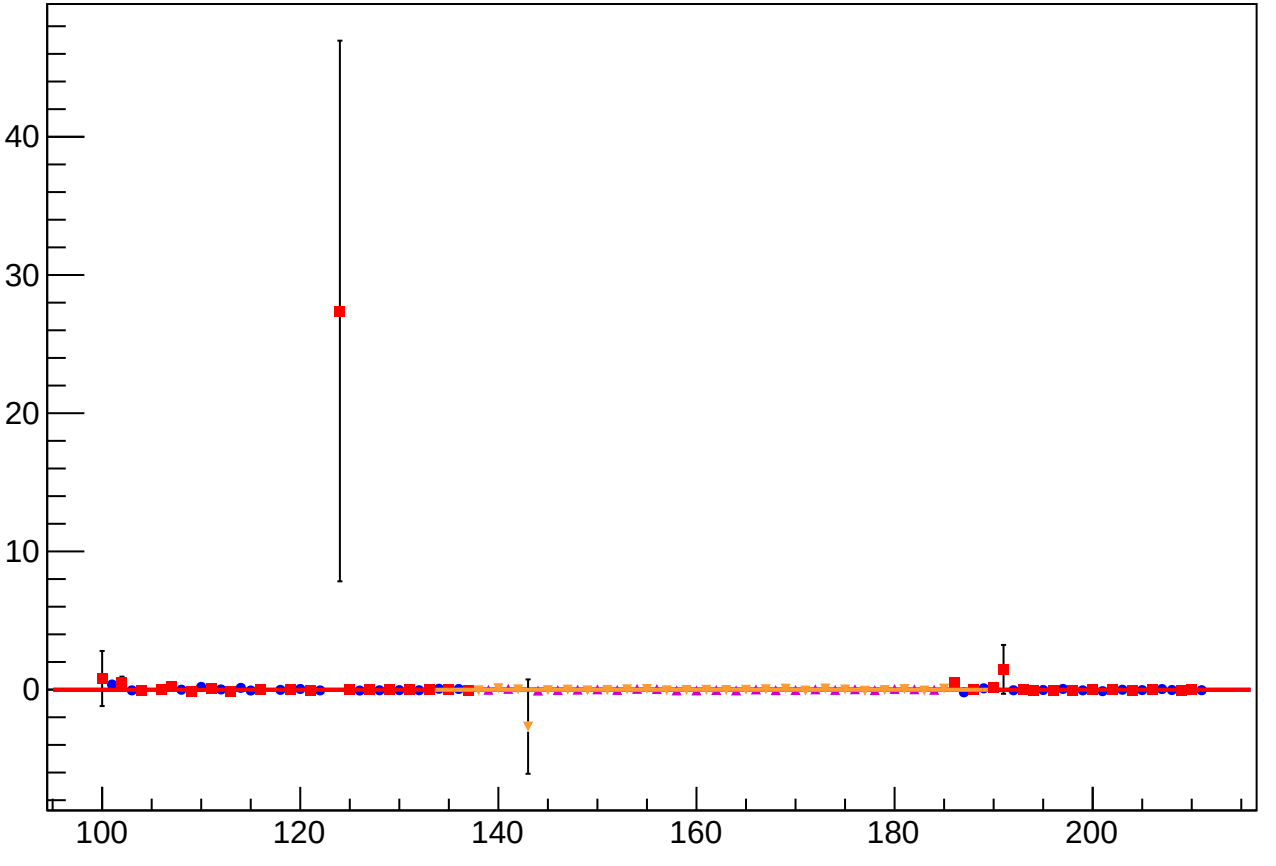
Right: 40.961+/-0.006 χ^2/NDF: 7704166.7/60

In: 35.382+/-0.005 χ^2/NDF:4538669.3/50

Out: 35.180+/-0.005 χ^2/NDF:7191980.5/57

All: 35.280+/-0.003 χ^2/NDF: 11731556.8/108

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.012 χ^2/NDF: 28.8/27

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.011 χ^2/NDF: 27.6/32

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

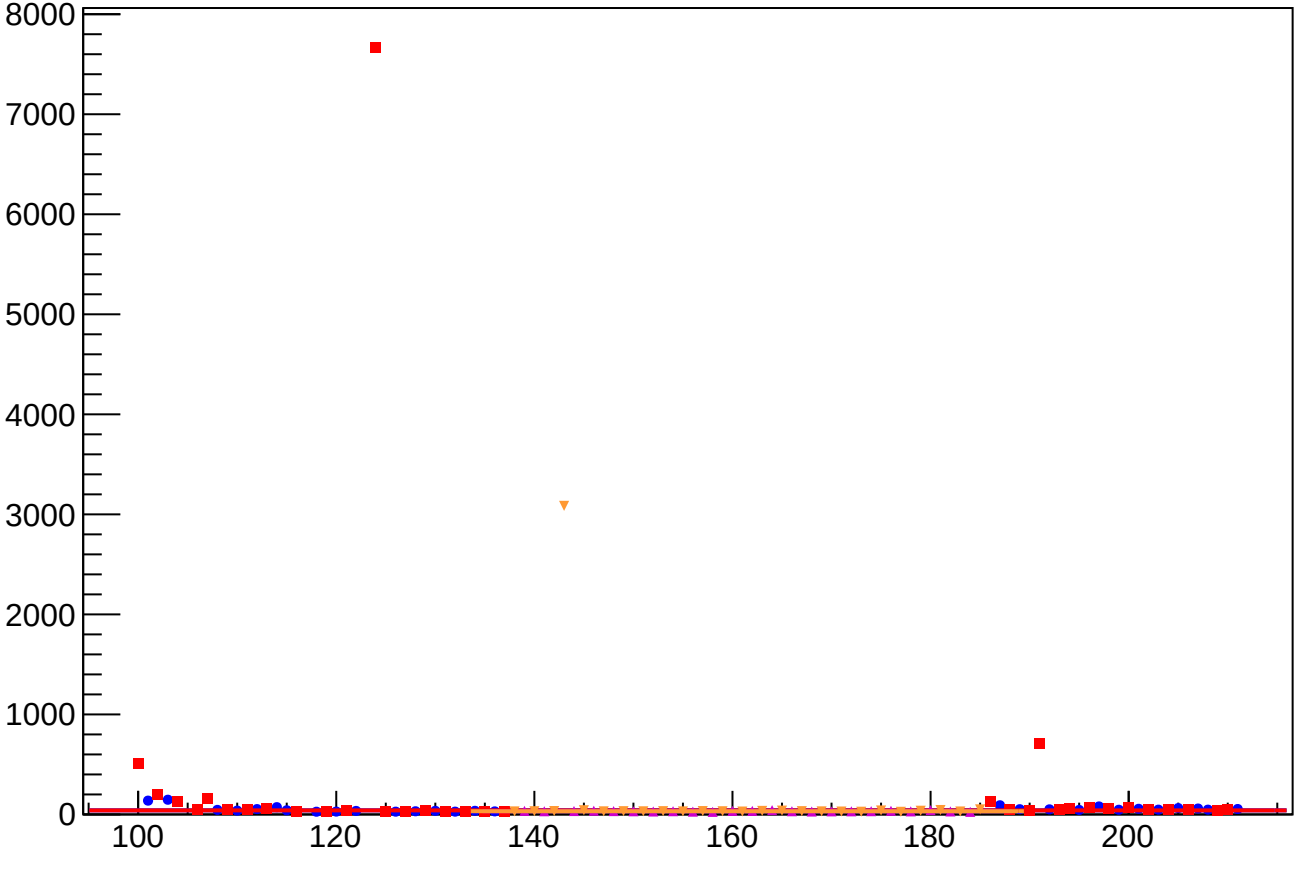
Right: -0.009+/-0.008 χ^2/NDF: 56.4/60

In: -0.005+/-0.007 χ^2/NDF:49.8/50

Out: -0.010+/-0.007 χ^2/NDF:67.1/57

All: -0.008+/-0.005 χ^2/NDF: 117.1/108

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.203+/-0.008 χ^2/NDF: 3355646.0/27

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.729+/-0.008 χ^2/NDF: 4346827.7/32

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

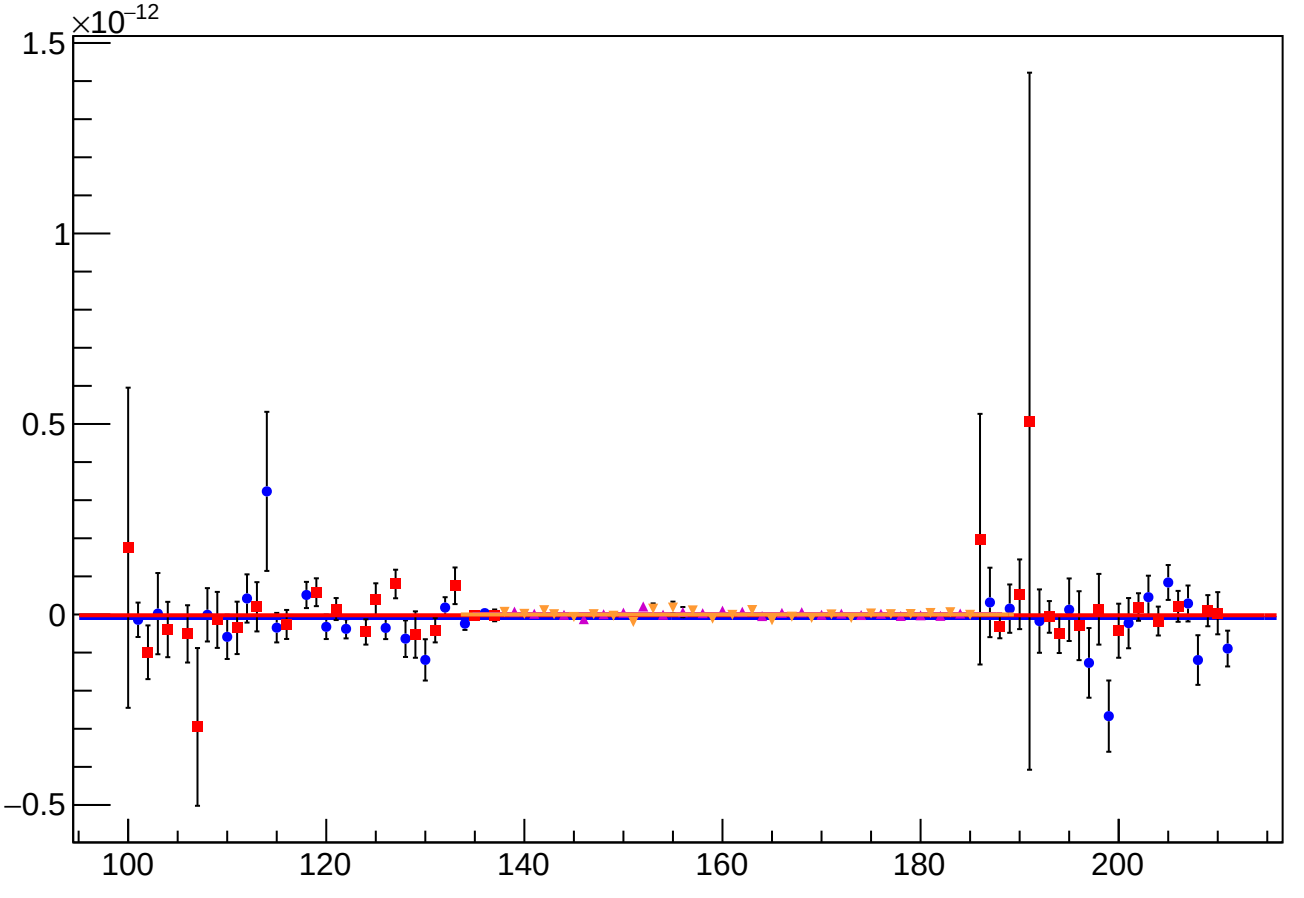
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.961+/-0.006 χ^2/NDF: 7704166.7/60

In: 35.382+/-0.005 χ^2/NDF:4538669.3/50

Out: 35.180+/-0.005 χ^2/NDF:7191980.5/57

All: 35.280+/-0.003 χ^2/NDF: 11731556.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/32

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

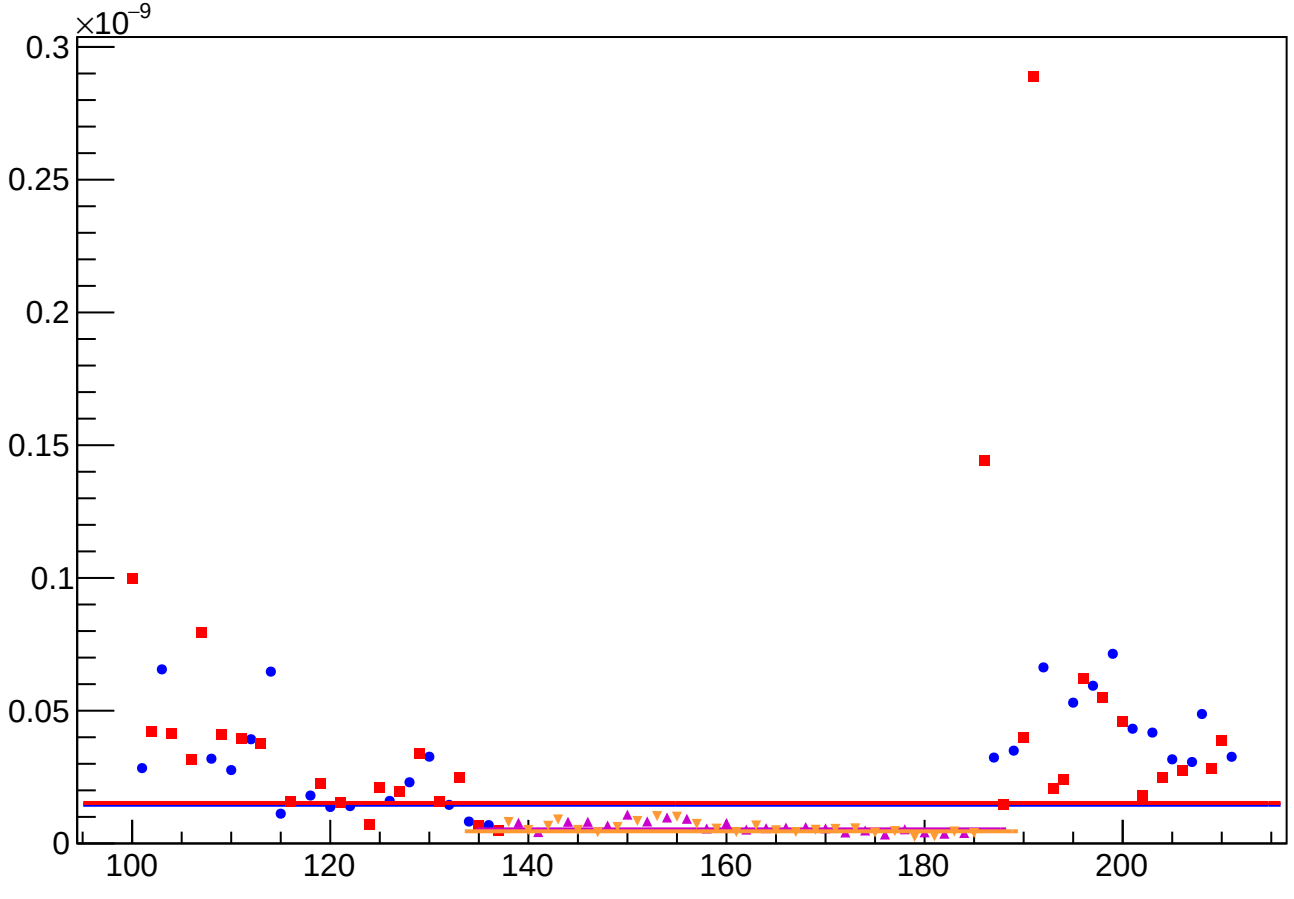
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 66.5/60

In: 0.000+/-0.000 χ^2/NDF:52.4/50

Out: -0.000+/-0.000 χ^2/NDF:46.5/57

All: 0.000+/-0.000 χ^2/NDF: 98.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 8239808.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7005841.5/32

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

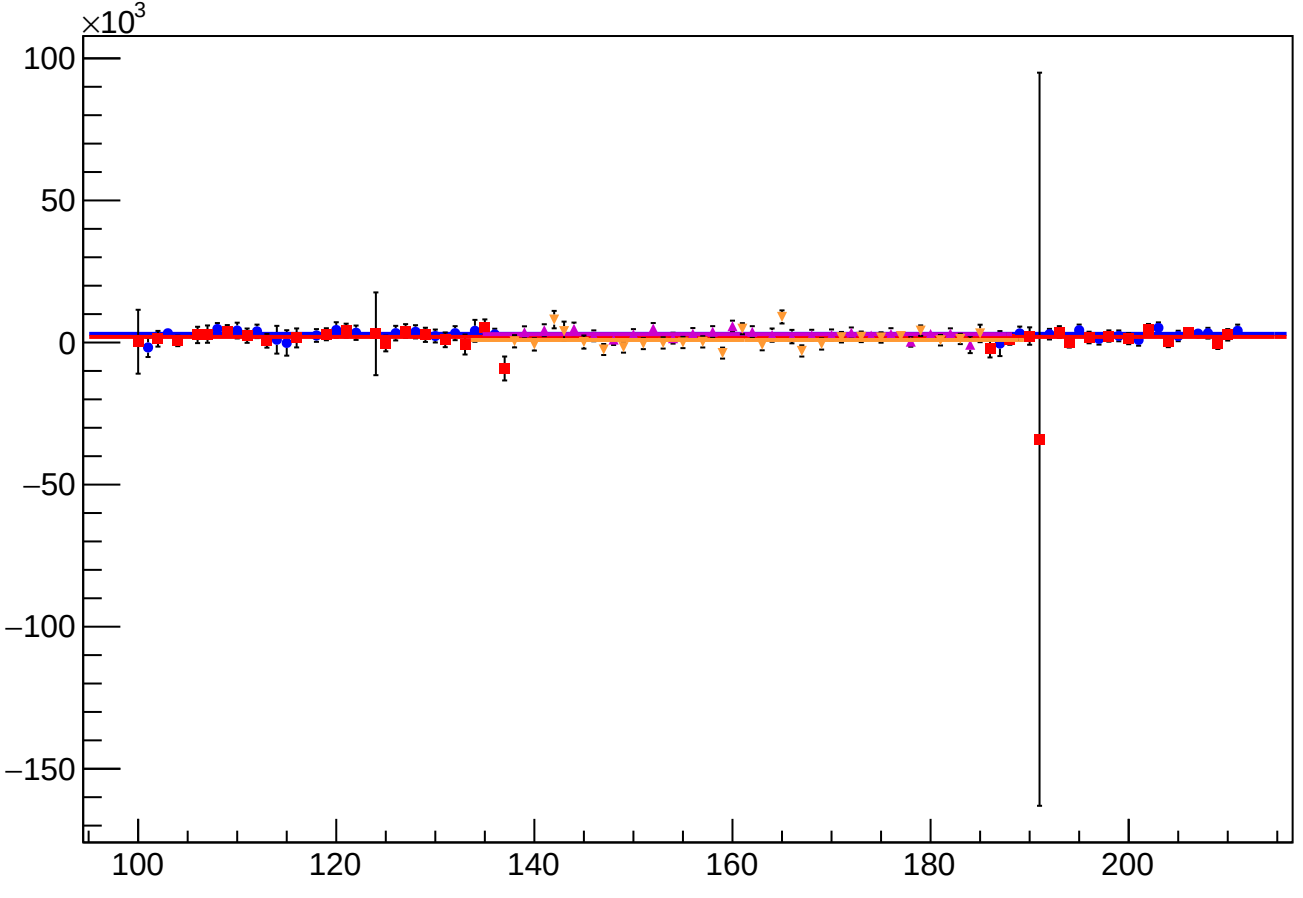
Right: 0.000+/-0.000 χ^2/NDF: 15257203.9/60

In: 0.000+/-0.000 χ^2/NDF:14883301.9/50

Out: 0.000+/-0.000 χ^2/NDF:15137577.0/57

All: 0.000+/-0.000 χ^2/NDF: 30319389.3/108

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3051.506+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1972.469+/-416.679 χ^2/NDF: 23.1/32

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

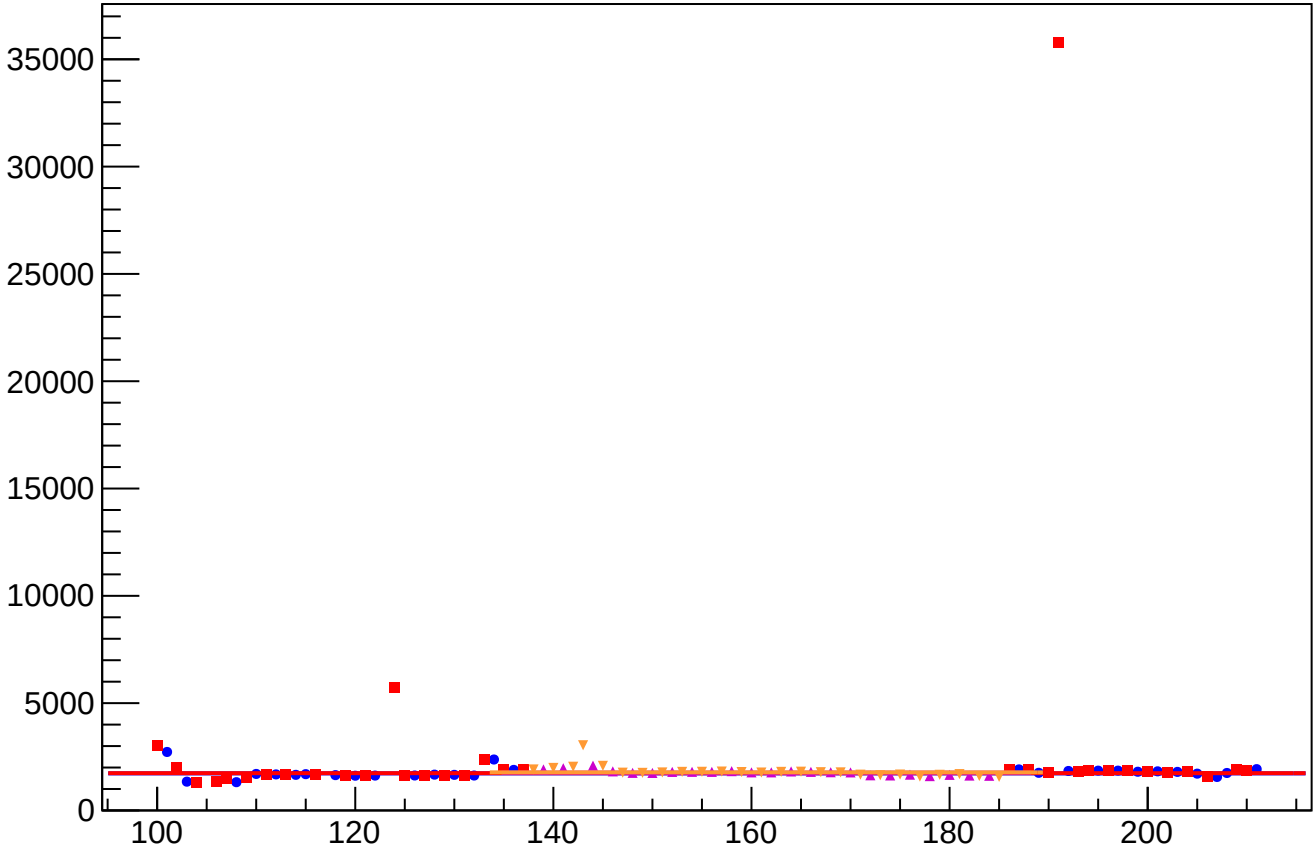
Right: 2498.796+/-298.217 χ^2/NDF: 35.5/60

In: 2995.471+/-296.513 χ^2/NDF:19.7/50

Out: 1421.154+/-290.619 χ^2/NDF:71.8/57

All: 2192.508+/-207.551 χ^2/NDF: 105.8/108

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.5/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.1/32

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

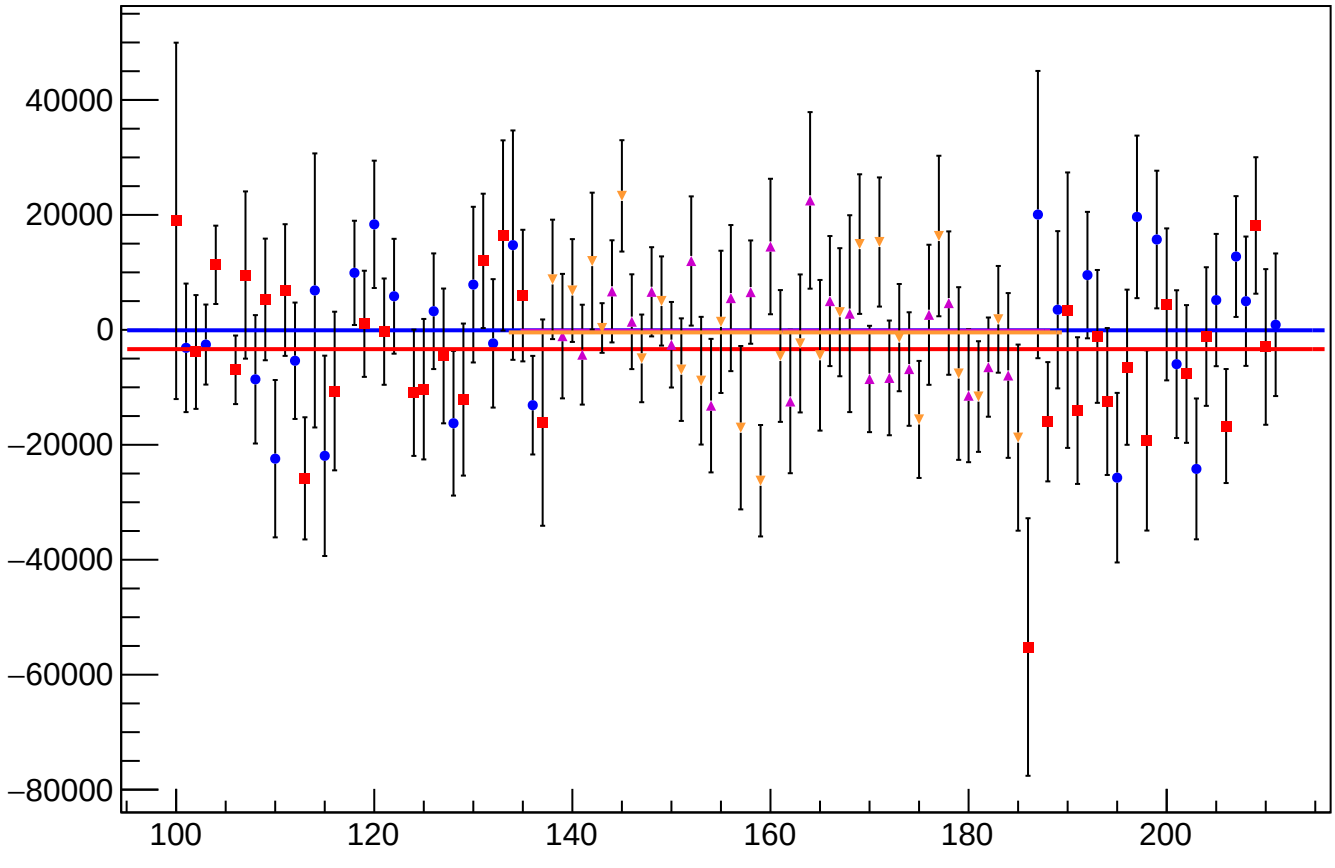
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1731.778+/-0.211 χ^2/NDF: 1227379.1/60

In: 1744.267+/-0.210 χ^2/NDF:664418.1/50

Out: 1756.419+/-0.205 χ^2/NDF:1170752.6/57

All: 1750.465+/-0.147 χ^2/NDF: 1836884.1/10



Right In: -77.694+/-2190.891 χ^2/NDF: 28.9/27

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3356.486+/-1984.432 χ^2/NDF: 33.3/32

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

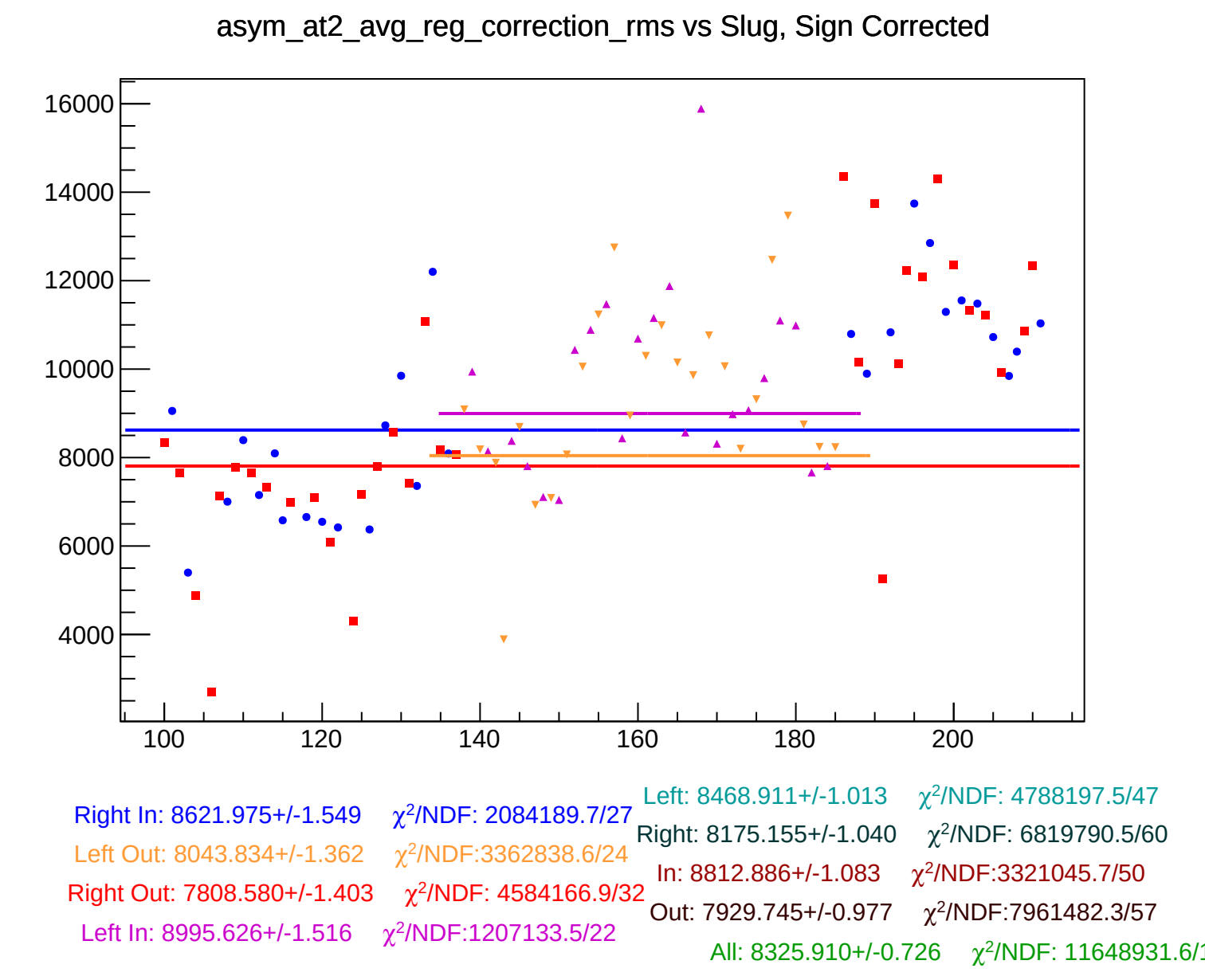
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

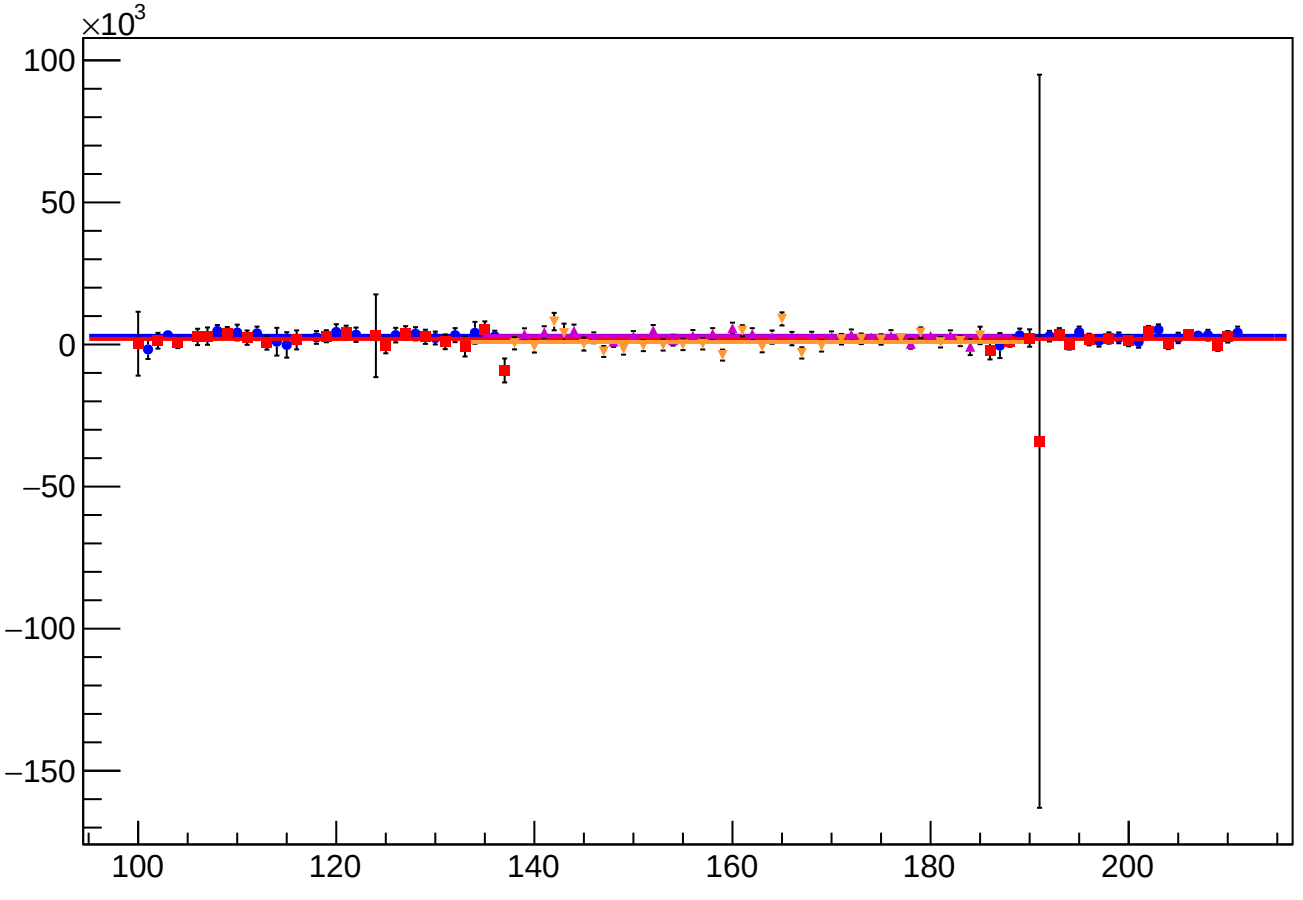
Right: -1878.823+/-1470.793 χ^2/NDF: 63.4/60

In: -117.329+/-1532.160 χ^2/NDF:42.7/50

Out: -1856.097+/-1381.937 χ^2/NDF:63.9/57

All: -1076.110+/-1026.188 χ^2/NDF: 107.3/10


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: 8621.975+/-1.549 χ²/NDF: 2084189.7/27
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7808.580+/-1.403 χ²/NDF: 4584166.9/32
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8175.155+/-1.040 χ²/NDF: 6819790.5/60
In: 8812.886+/-1.083 χ²/NDF:3321045.7/50
Out: 7929.745+/-0.977 χ²/NDF:7961482.3/57
All: 8325.910+/-0.726 χ²/NDF: 11648931.6/



Right In: 3051.549+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1972.409+/-416.679 χ^2/NDF: 23.1/32

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

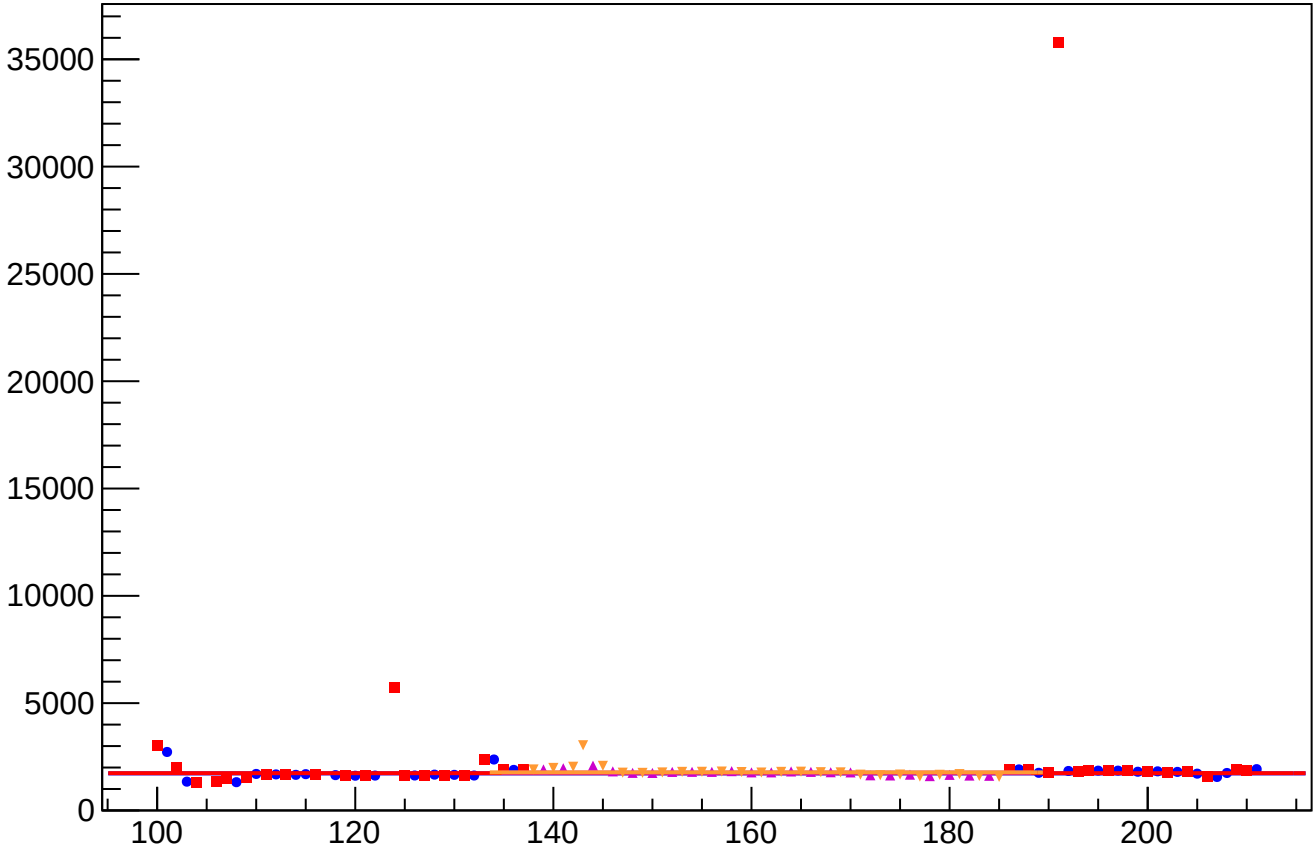
Right: 2498.785+/-298.217 χ^2/NDF: 35.5/60

In: 2995.433+/-296.513 χ^2/NDF:19.7/50

Out: 1421.084+/-290.619 χ^2/NDF:71.8/57

All: 2192.454+/-207.551 χ^2/NDF: 105.9/108

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.9/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.3/32

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

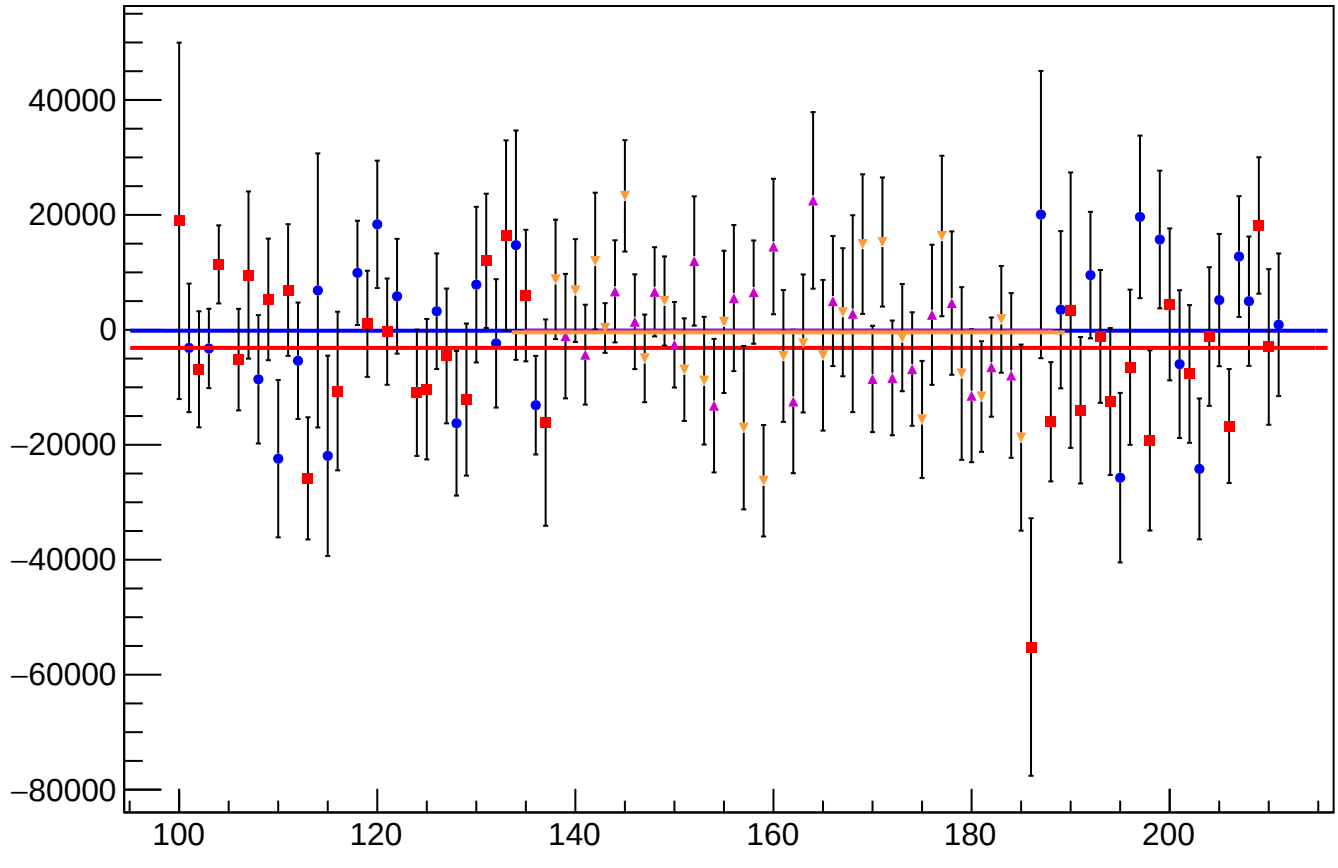
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1731.778+/-0.211 χ^2/NDF: 1227379.8/60

In: 1744.267+/-0.210 χ^2/NDF:664418.5/50

Out: 1756.419+/-0.205 χ^2/NDF:1170752.9/57

All: 1750.465+/-0.147 χ^2/NDF: 1836884.8/10



Right In: -150.208+/-2189.024 χ^2/NDF: 29.0/27

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3138.558+/-2048.055 χ^2/NDF: 33.2/32

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

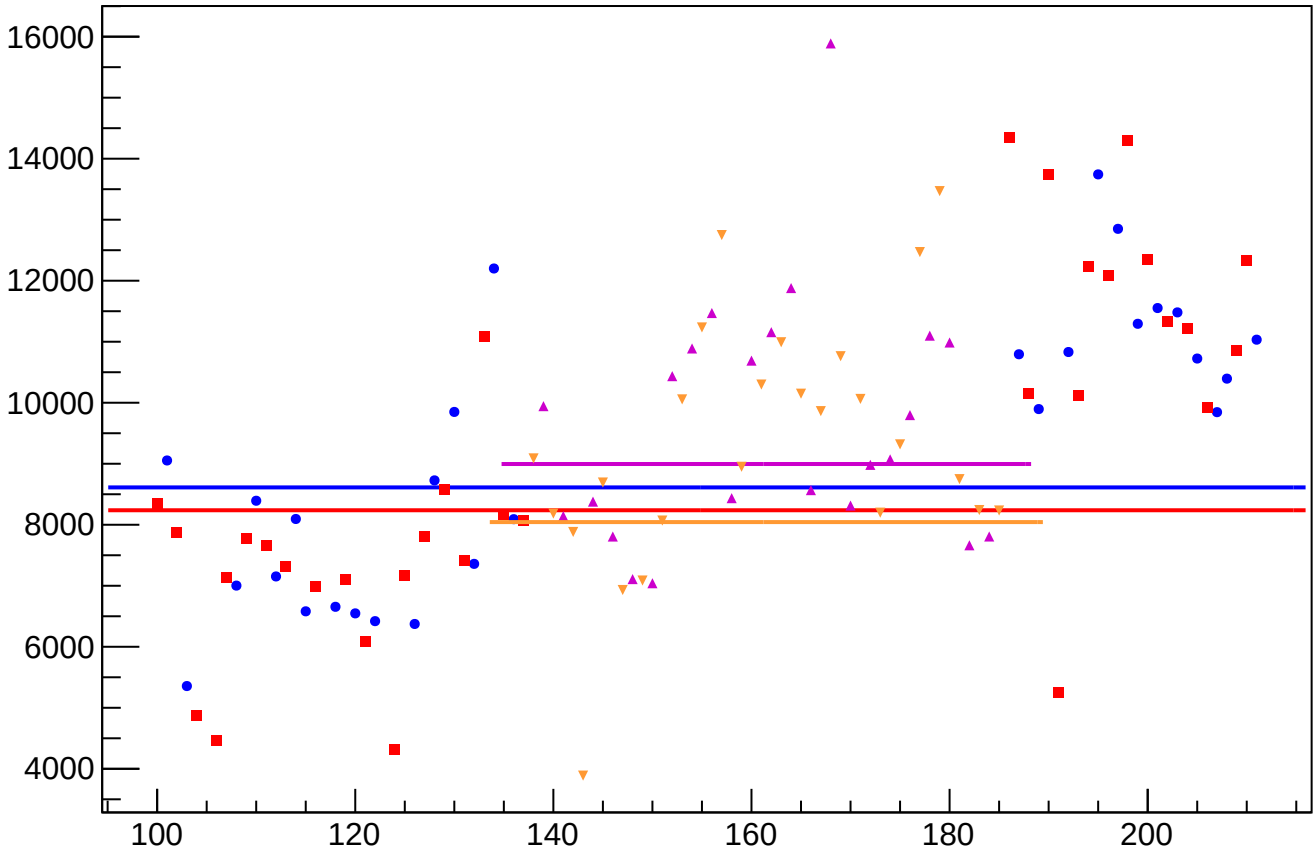
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1743.696+/-1495.548 χ^2/NDF: 63.1/60

In: -152.776+/-1531.520 χ^2/NDF:42.8/50

Out: -1707.996+/-1402.899 χ^2/NDF:63.5/57

All: -998.423+/-1034.487 χ^2/NDF: 106.9/108



Right In: 8612.220+/-1.548 χ^2/NDF: 2103021.6/27

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8237.612+/-1.448 χ^2/NDF: 3320336.7/32

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

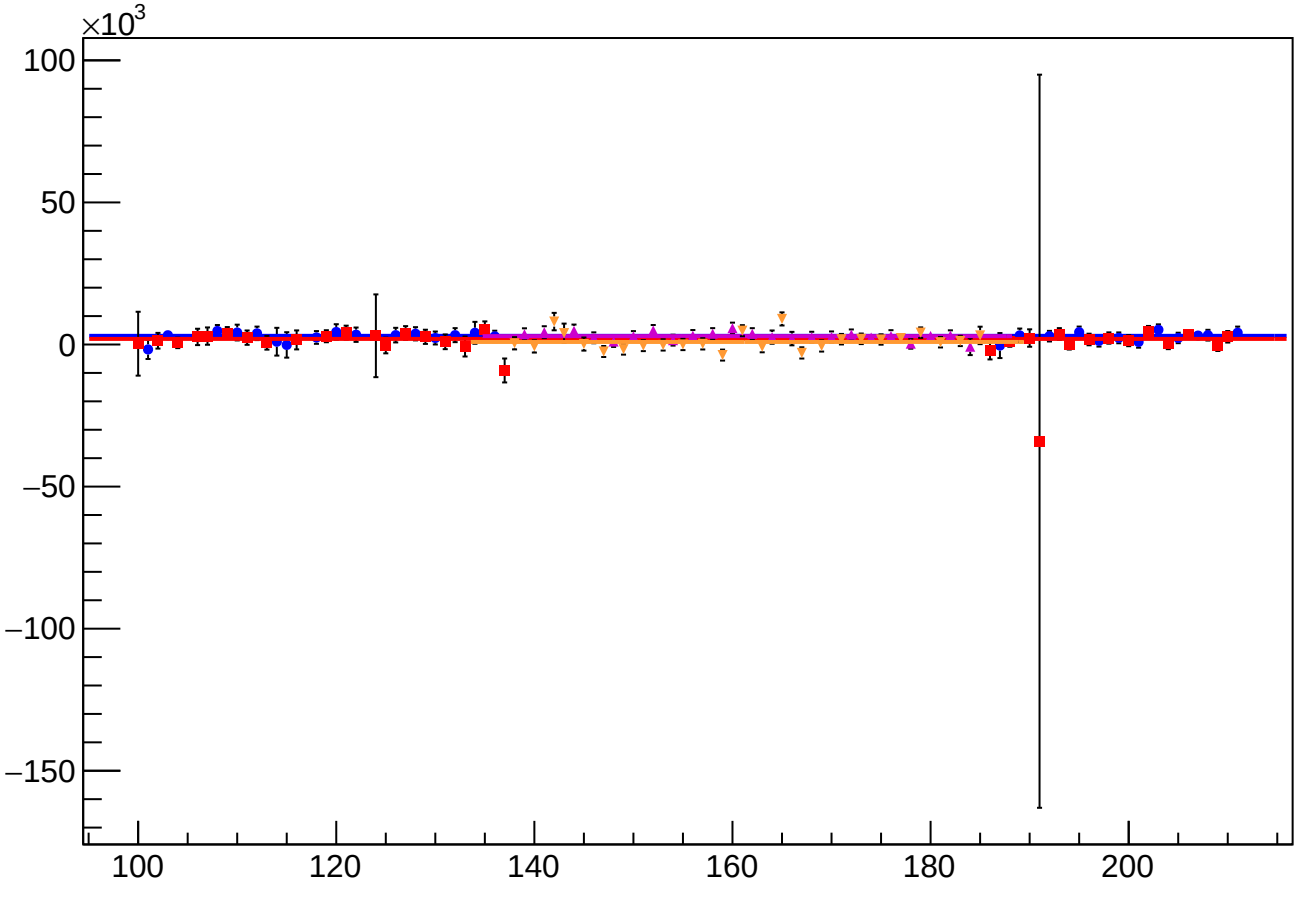
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8412.466+/-1.058 χ^2/NDF: 5454590.4/60

In: 8807.947+/-1.083 χ^2/NDF:3341481.2/50

Out: 8134.744+/-0.992 χ^2/NDF:6692758.3/57

All: 8441.894+/-0.731 χ^2/NDF: 10244363.4/1



Right In: 3051.549+/-426.996 χ^2/NDF: 9.1/27

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1972.409+/-416.679 χ^2/NDF: 23.1/32

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

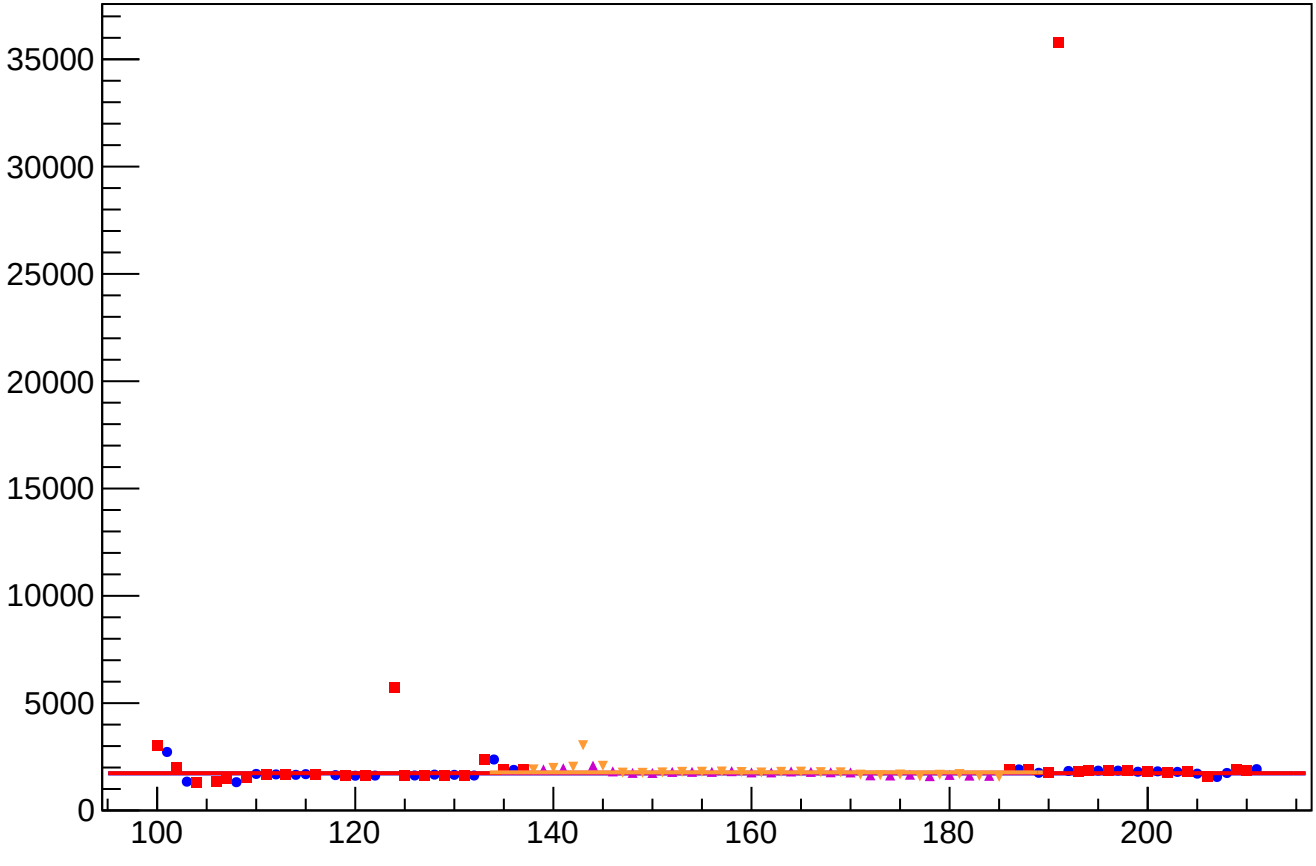
Right: 2498.785+/-298.217 χ^2/NDF: 35.5/60

In: 2995.433+/-296.513 χ^2/NDF:19.7/50

Out: 1421.084+/-290.619 χ^2/NDF:71.8/57

All: 2192.454+/-207.551 χ^2/NDF: 105.9/108

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1726.204+/-0.302 χ^2/NDF: 511239.9/27

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.087+/-0.295 χ^2/NDF: 715474.3/32

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

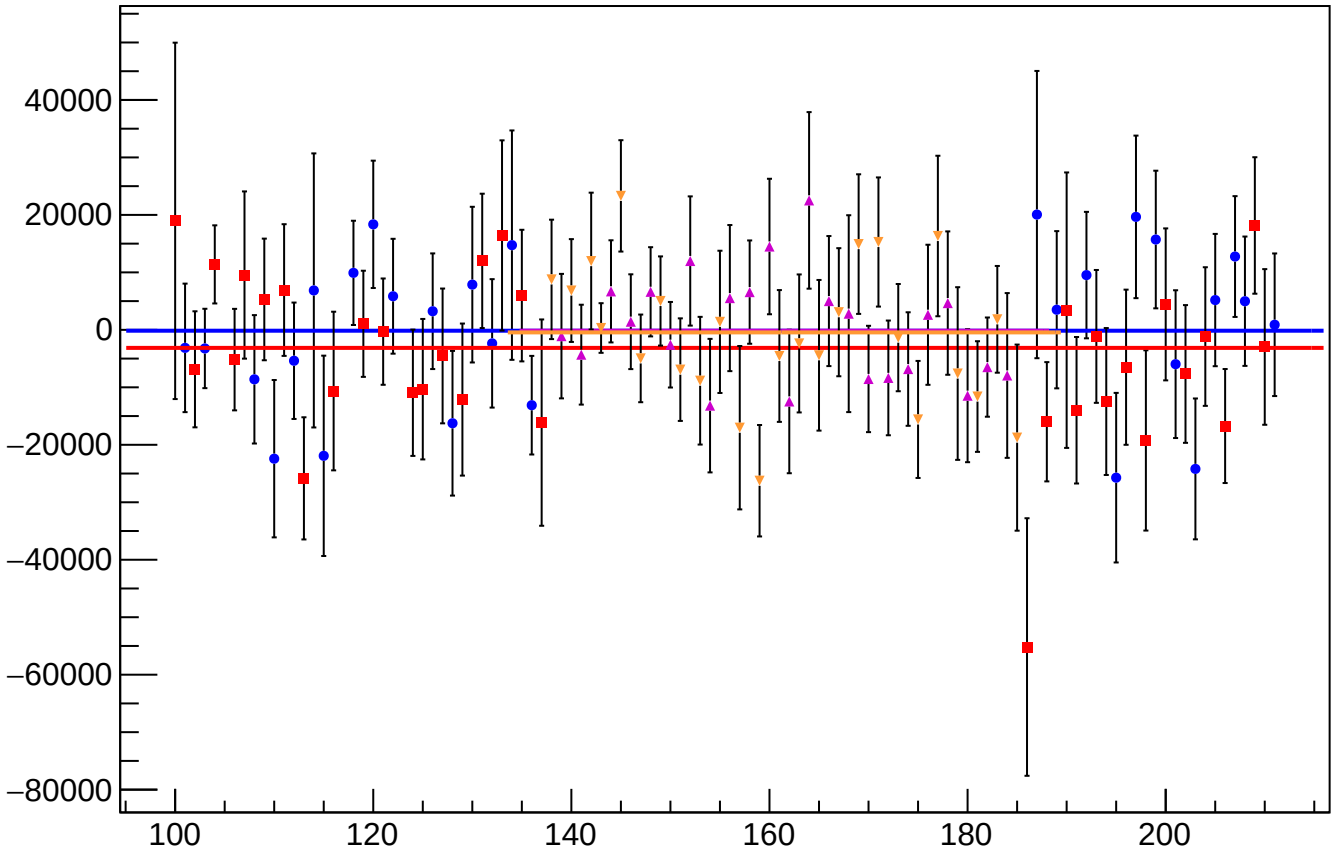
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1731.778+/-0.211 χ^2/NDF: 1227379.8/60

In: 1744.267+/-0.210 χ^2/NDF:664418.5/50

Out: 1756.419+/-0.205 χ^2/NDF:1170752.9/57

All: 1750.465+/-0.147 χ^2/NDF: 1836884.8/10



Right In: -150.208+/-2189.024 χ^2/NDF: 29.0/27

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3138.558+/-2048.055 χ^2/NDF: 33.2/32

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

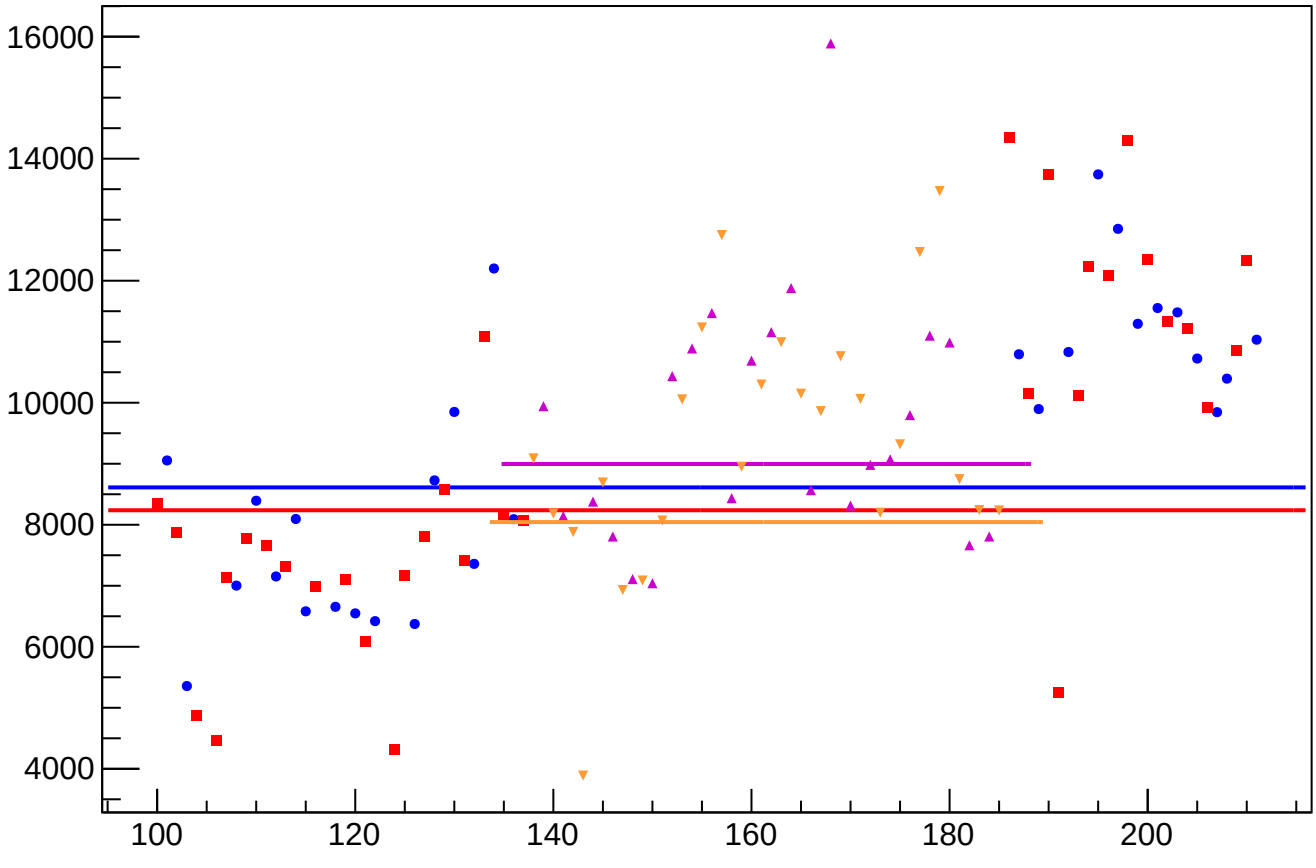
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1743.696+/-1495.548 χ^2/NDF: 63.1/60

In: -152.776+/-1531.520 χ^2/NDF:42.8/50

Out: -1707.996+/-1402.899 χ^2/NDF:63.5/57

All: -998.423+/-1034.487 χ^2/NDF: 106.9/108



Right In: 8612.220+/-1.548 χ^2/NDF: 2103021.6/27

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8237.612+/-1.448 χ^2/NDF: 3320336.7/32

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

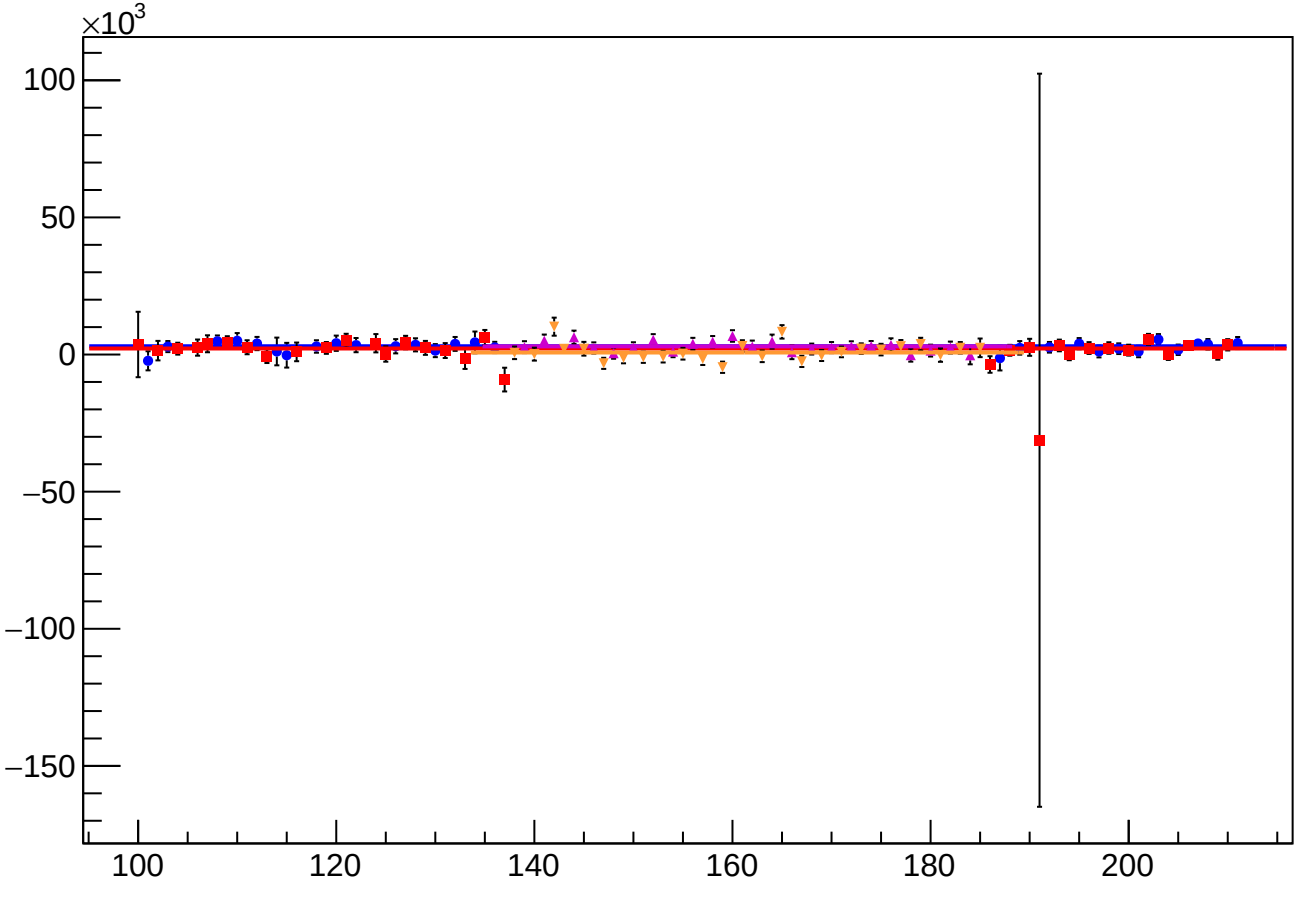
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8412.466+/-1.058 χ^2/NDF: 5454590.4/60

In: 8807.947+/-1.083 χ^2/NDF:3341481.2/50

Out: 8134.744+/-0.992 χ^2/NDF:6692758.3/57

All: 8441.894+/-0.731 χ^2/NDF: 10244363.4/1



Right In: 3024.627+/-441.359 χ^2/NDF: 11.1/27

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2200.293+/-428.898 χ^2/NDF: 27.6/32

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

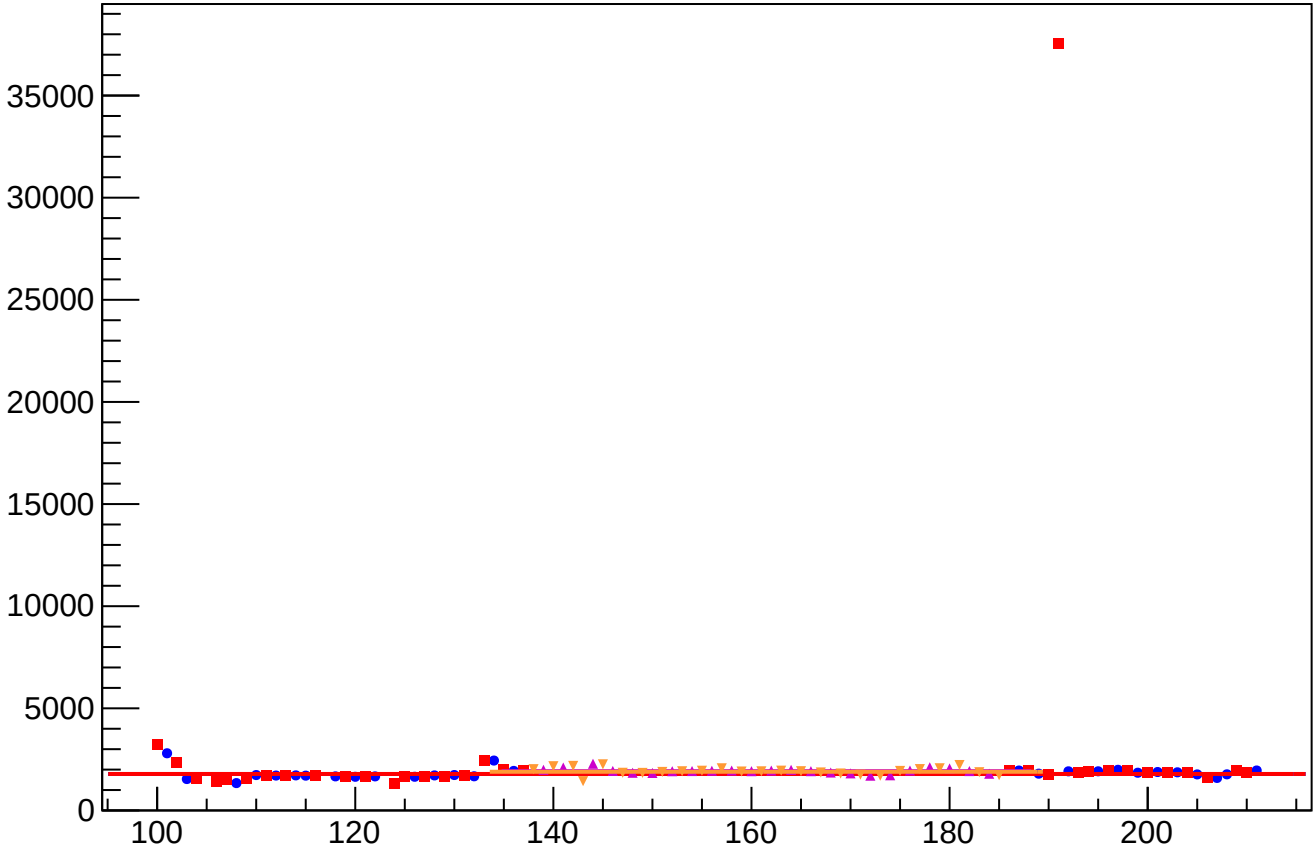
Right: 2600.659+/-307.588 χ^2/NDF: 40.5/60

In: 3002.383+/-315.213 χ^2/NDF:26.8/50

Out: 1476.410+/-304.674 χ^2/NDF:75.0/57

All: 2213.460+/-219.068 χ^2/NDF: 113.8/108

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1784.637+/-0.312 χ^2/NDF: 468019.4/27

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1786.328+/-0.303 χ^2/NDF: 578992.4/32

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

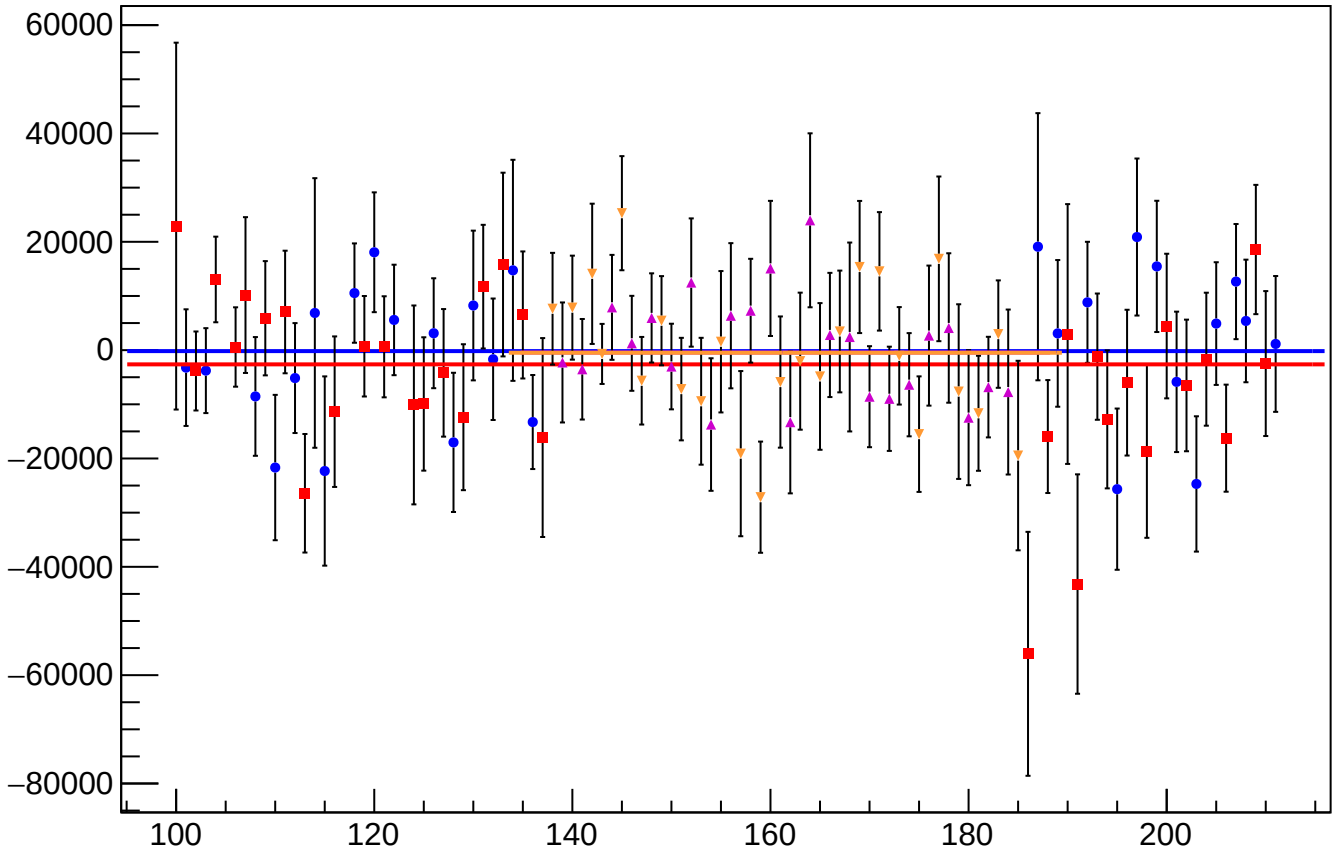
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1785.507+/-0.217 χ^2/NDF: 1047026.9/60

In: 1852.445+/-0.223 χ^2/NDF:715350.3/50

Out: 1839.997+/-0.215 χ^2/NDF:1010826.4/57

All: 1846.009+/-0.155 χ^2/NDF: 1727789.4/10



Right In: -177.566+/-2224.509 χ^2/NDF: 28.8/27

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2624.911+/-2056.395 χ^2/NDF: 35.7/32

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

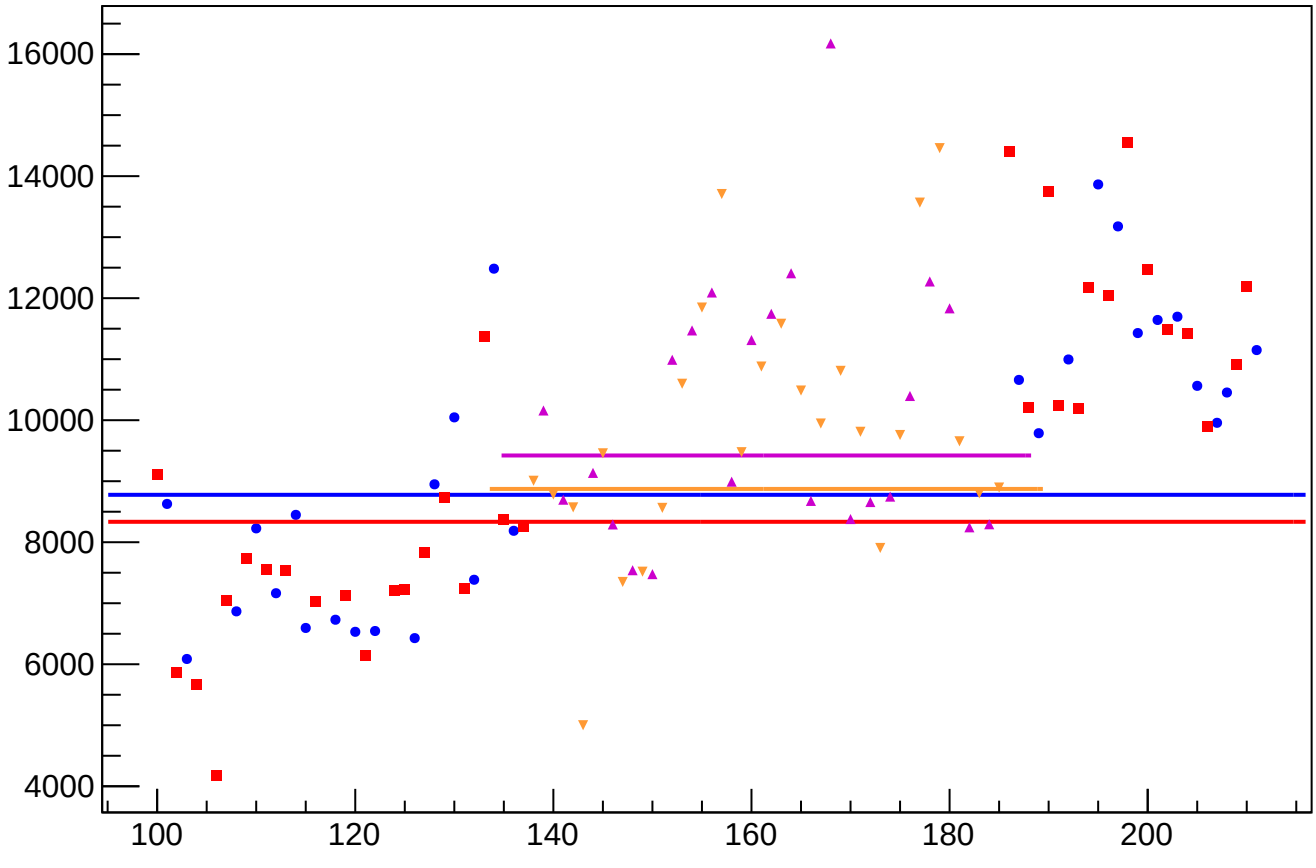
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1497.200+/-1510.030 χ^2/NDF: 65.2/60

In: -305.943+/-1580.223 χ^2/NDF:42.4/50

Out: -1569.120+/-1465.563 χ^2/NDF:65.1/57

All: -985.017+/-1074.561 χ^2/NDF: 107.8/108



Right In: 8777.103+/-1.573 χ^2/NDF: 1902997.9/27

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8334.803+/-1.454 χ^2/NDF: 3199381.9/32

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

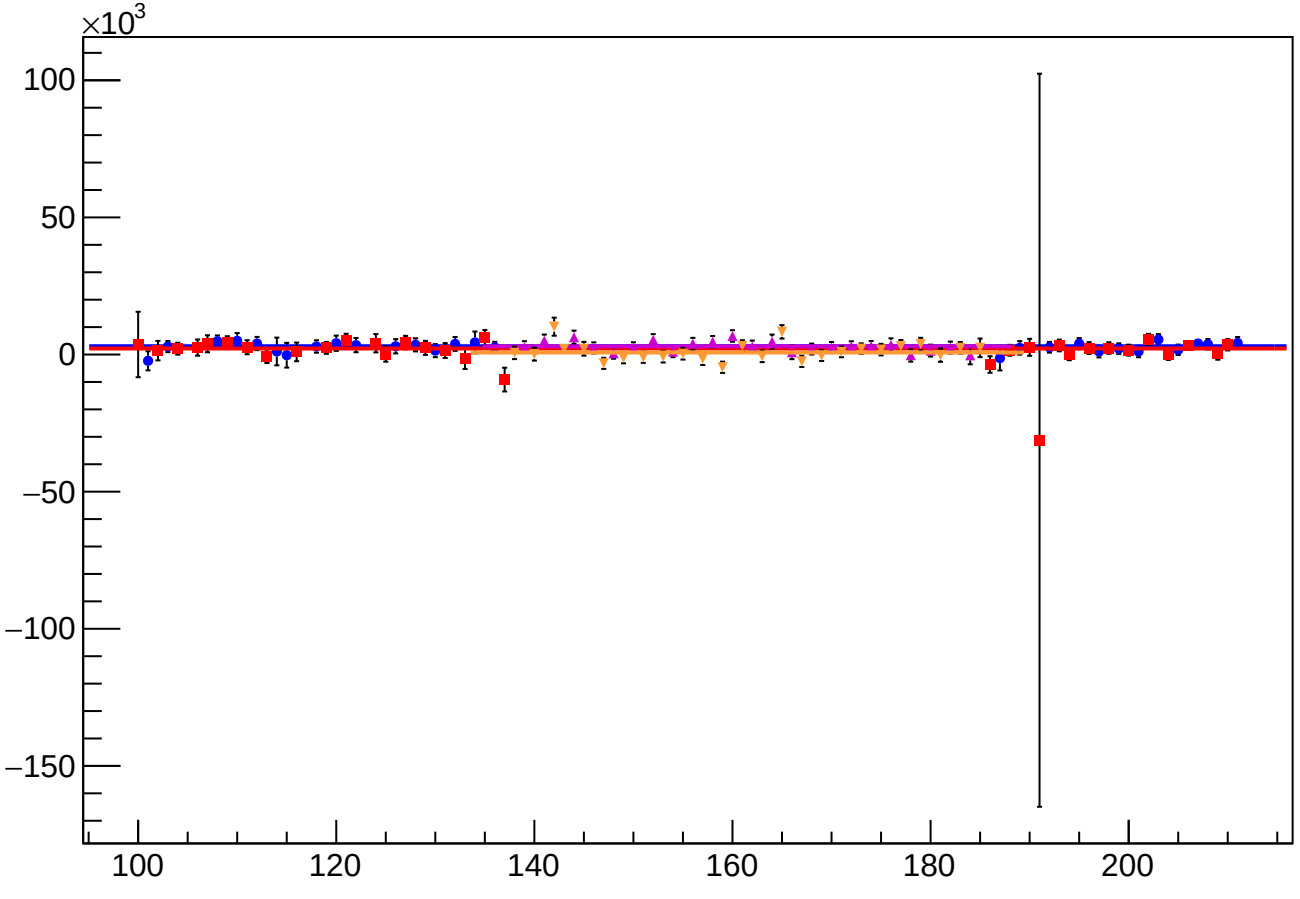
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8538.610+/-1.068 χ^2/NDF: 5145013.6/60

In: 9096.424+/-1.117 χ^2/NDF:3191038.3/50

Out: 8599.930+/-1.036 χ^2/NDF:5470191.7/57

All: 8829.513+/-0.760 χ^2/NDF: 8767368.9/10



Right In: 3024.624+/-441.359 χ^2/NDF: 11.1/27

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2200.292+/-428.898 χ^2/NDF: 27.6/32

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

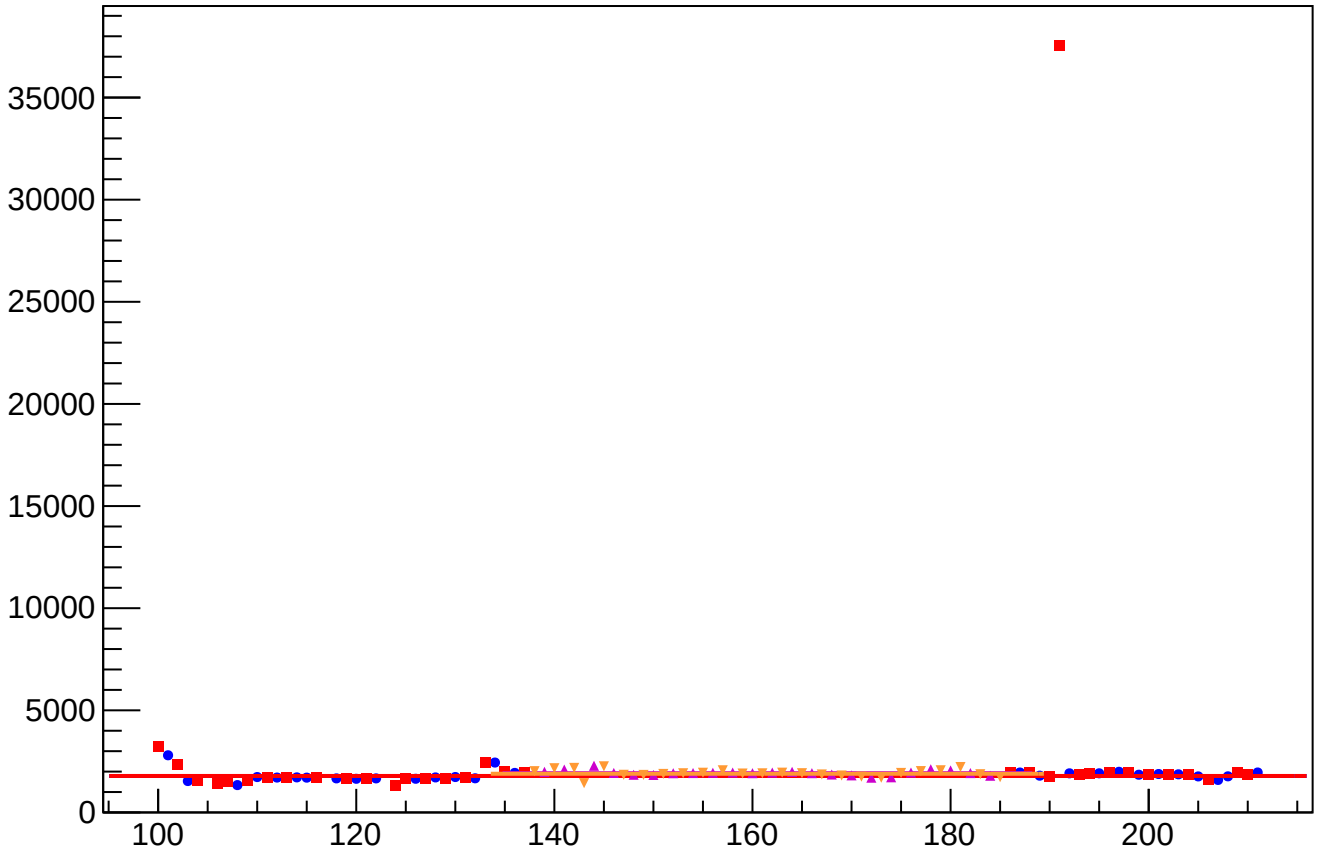
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2600.657+/-307.588 χ^2/NDF: 40.5/60

In: 3002.382+/-315.213 χ^2/NDF:26.8/50

Out: 1476.405+/-304.674 χ^2/NDF:75.0/57

All: 2213.457+/-219.068 χ^2/NDF: 113.8/108



Right In: 1784.637+/-0.312 χ^2/NDF: 468020.1/27

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1786.328+/-0.303 χ^2/NDF: 578993.8/32

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

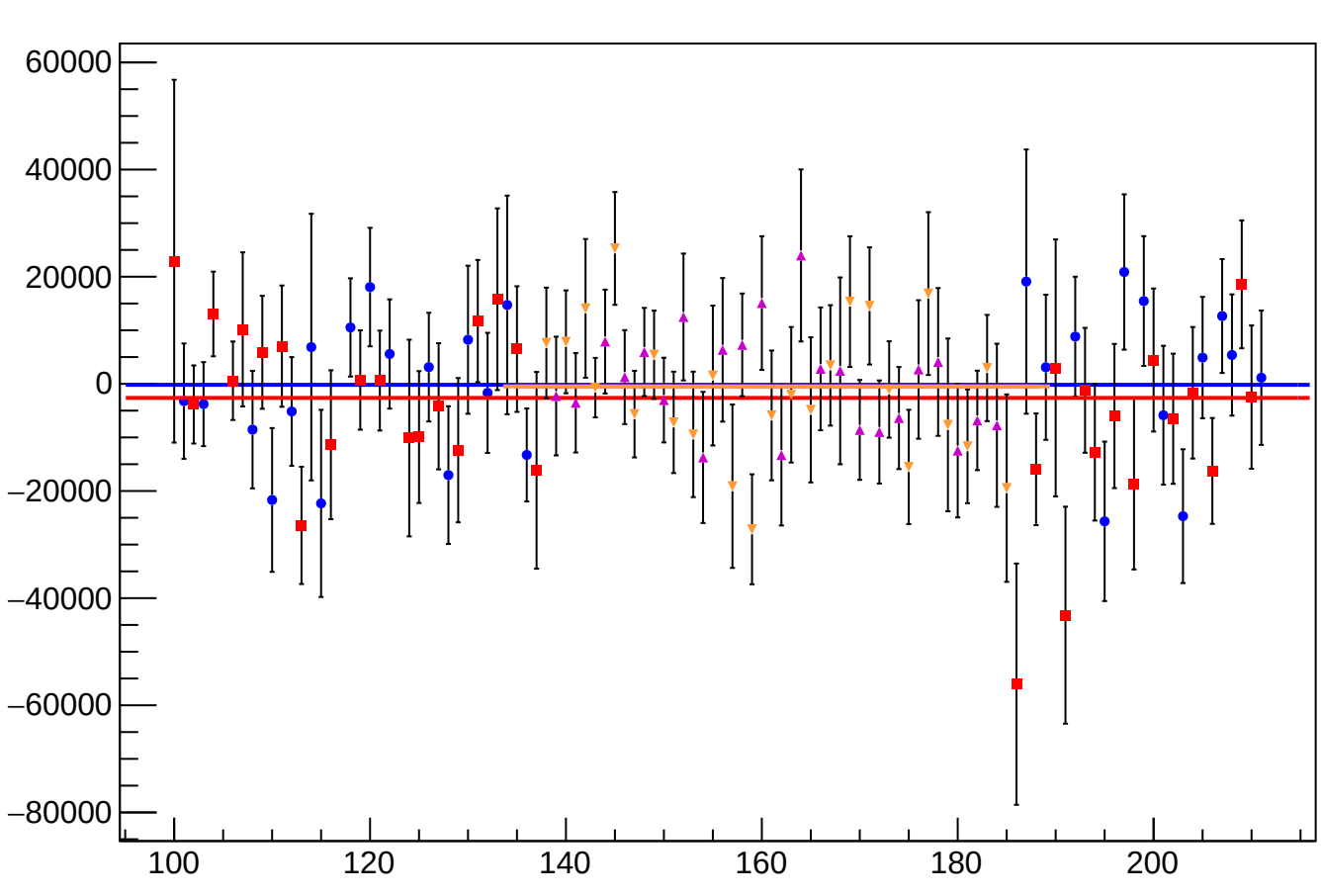
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1785.507+/-0.217 χ^2/NDF: 1047029.0/60

In: 1852.446+/-0.223 χ^2/NDF:715362.9/50

Out: 1839.998+/-0.215 χ^2/NDF:1010839.0/57

All: 1846.010+/-0.155 χ^2/NDF: 1727814.5/10



Right In: -177.559+/-2224.507 χ^2/NDF: 28.8/27

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2624.899+/-2056.393 χ^2/NDF: 35.7/32

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

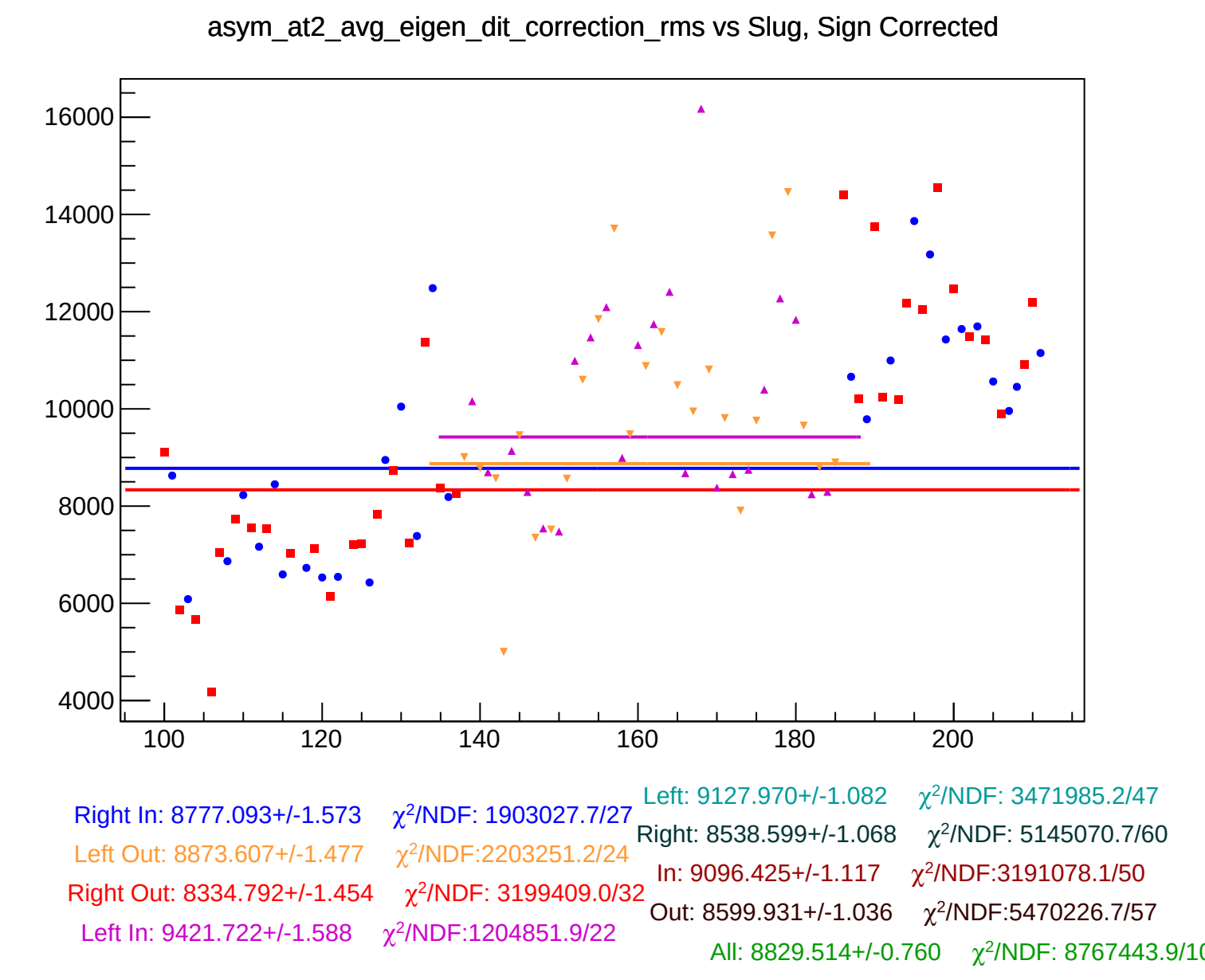
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1497.190+/-1510.029 χ^2/NDF: 65.2/60

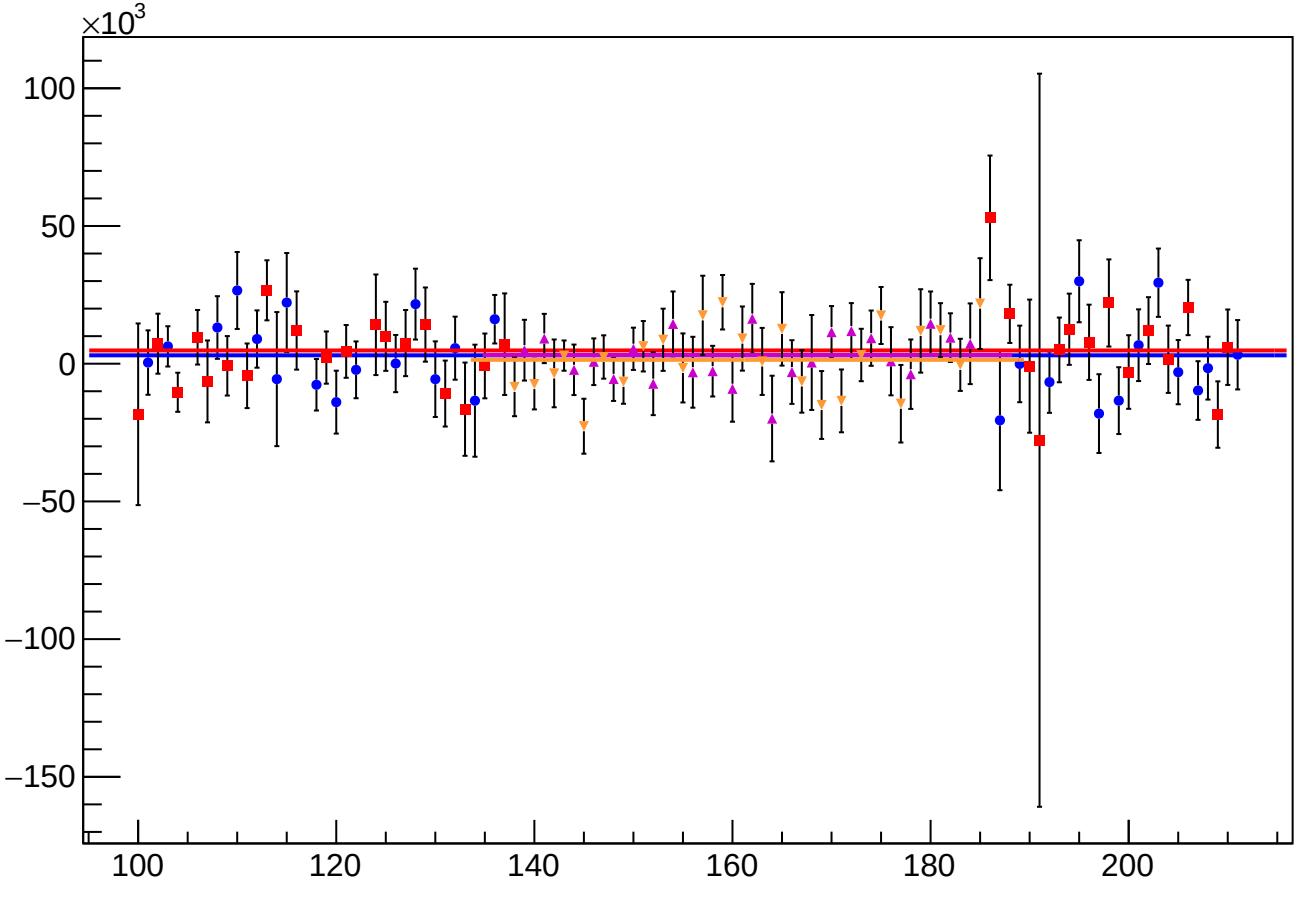
In: -305.941+/-1580.224 χ^2/NDF:42.4/50

Out: -1569.120+/-1465.564 χ^2/NDF:65.1/57

All: -985.016+/-1074.561 χ^2/NDF: 107.8/108


asym_at2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8777.093+/-1.573 χ²/NDF: 1903027.7/27
Left Out: 8873.607+/-1.477 χ²/NDF:2203251.2/24
Right Out: 8334.792+/-1.454 χ²/NDF: 3199409.0/32
Left In: 9421.722+/-1.588 χ²/NDF:1204851.9/22
Left: 9127.970+/-1.082 χ²/NDF: 3471985.2/47
Right: 8538.599+/-1.068 χ²/NDF: 5145070.7/60
In: 9096.425+/-1.117 χ²/NDF:3191078.1/50
Out: 8599.931+/-1.036 χ²/NDF:5470226.7/57
All: 8829.514+/-0.760 χ²/NDF: 8767443.9/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3042.697+/-2244.552 χ^2/NDF: 30.2/27

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4809.350+/-2161.128 χ^2/NDF: 30.4/32

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

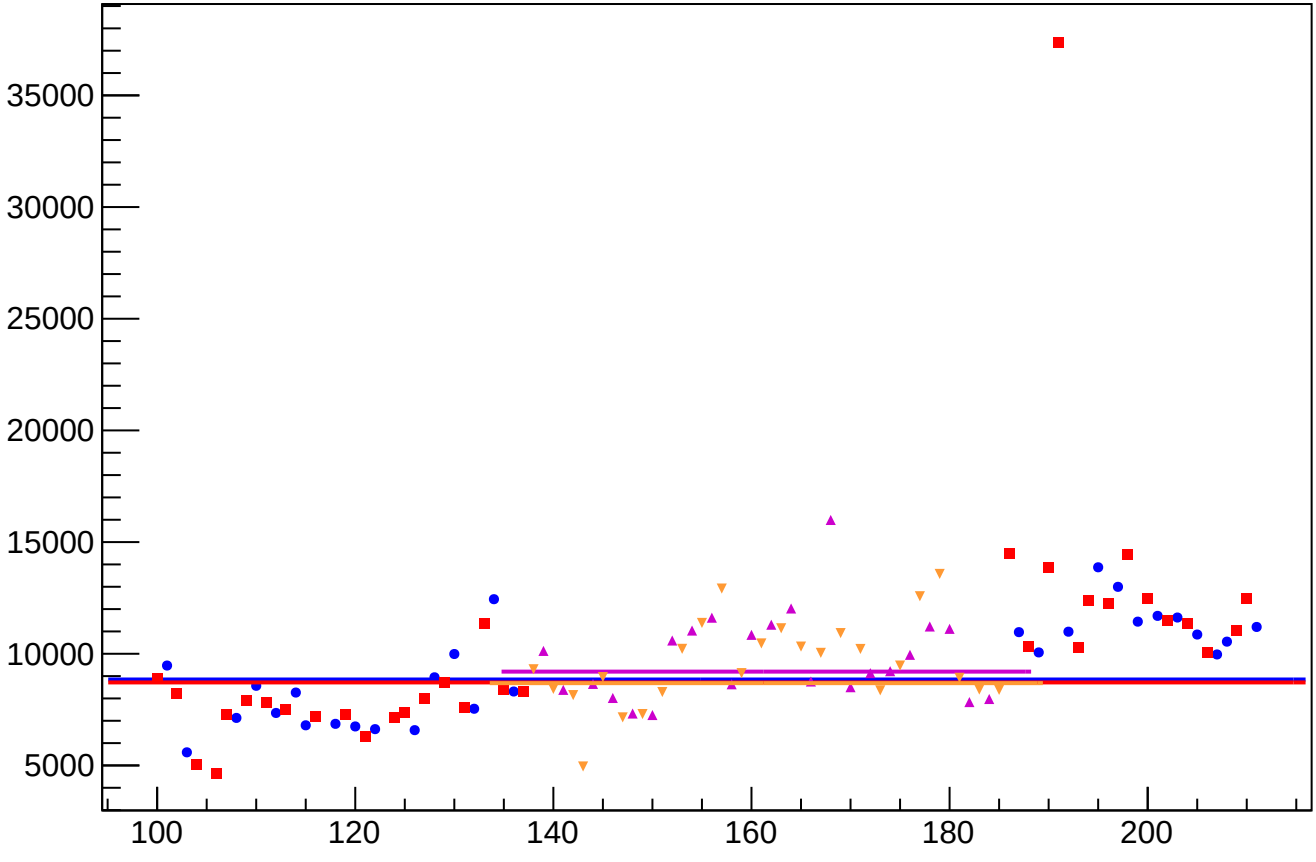
Right: 3959.464+/-1556.806 χ^2/NDF: 60.9/60

In: 3092.180+/-1567.299 χ^2/NDF:43.1/50

Out: 3010.778+/-1483.436 χ^2/NDF:59.1/57

All: 3049.243+/-1077.376 χ^2/NDF: 102.3/108

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8848.208+/-1.587 χ^2/NDF: 1956614.6/27

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8716.835+/-1.528 χ^2/NDF: 2819083.8/32

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

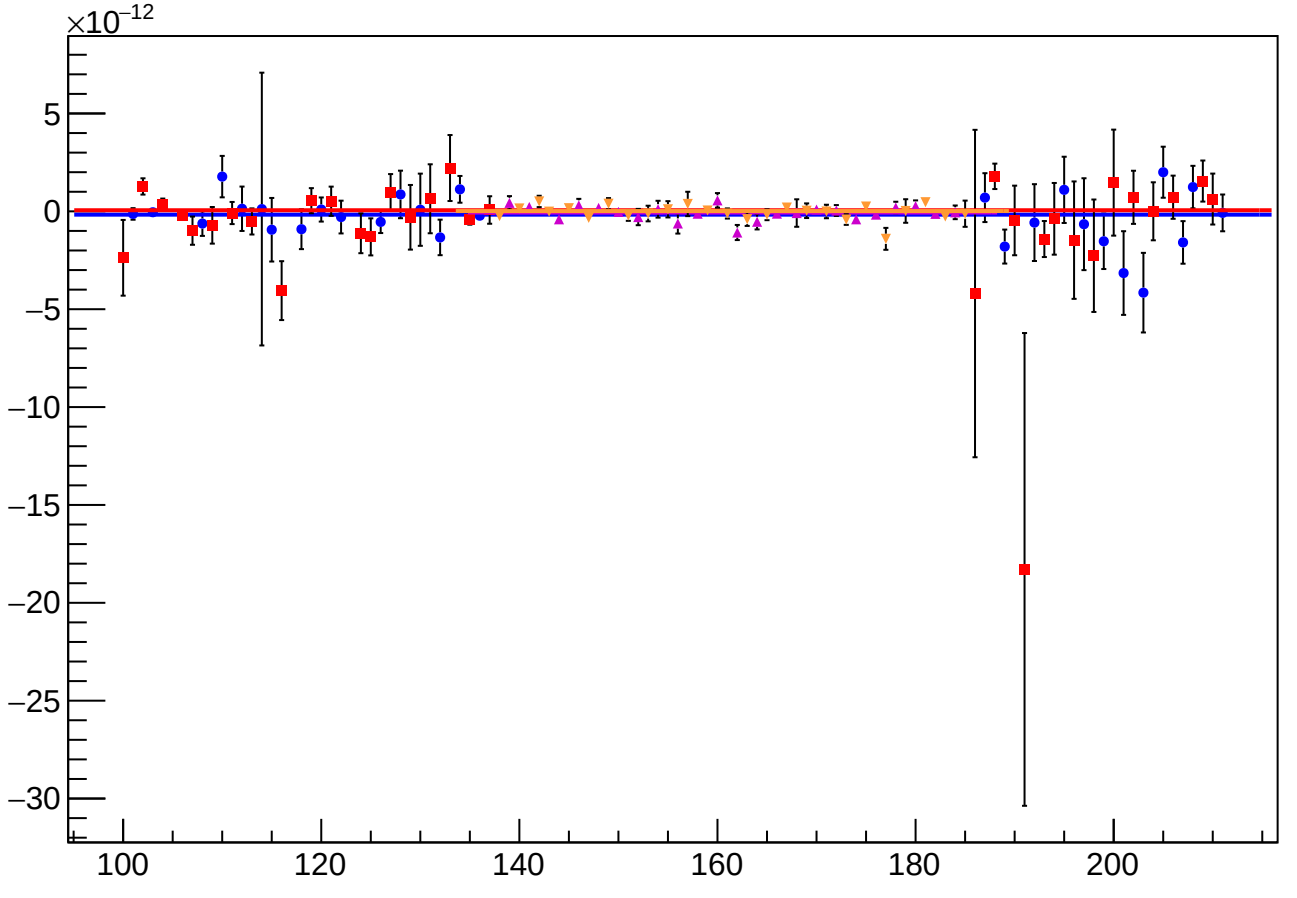
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8780.032+/-1.101 χ^2/NDF: 4779254.0/60

In: 9028.881+/-1.108 χ^2/NDF:3111325.1/50

Out: 8699.762+/-1.049 χ^2/NDF:4870942.1/57

All: 8855.277+/-0.762 χ^2/NDF: 8028787.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.4/32

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

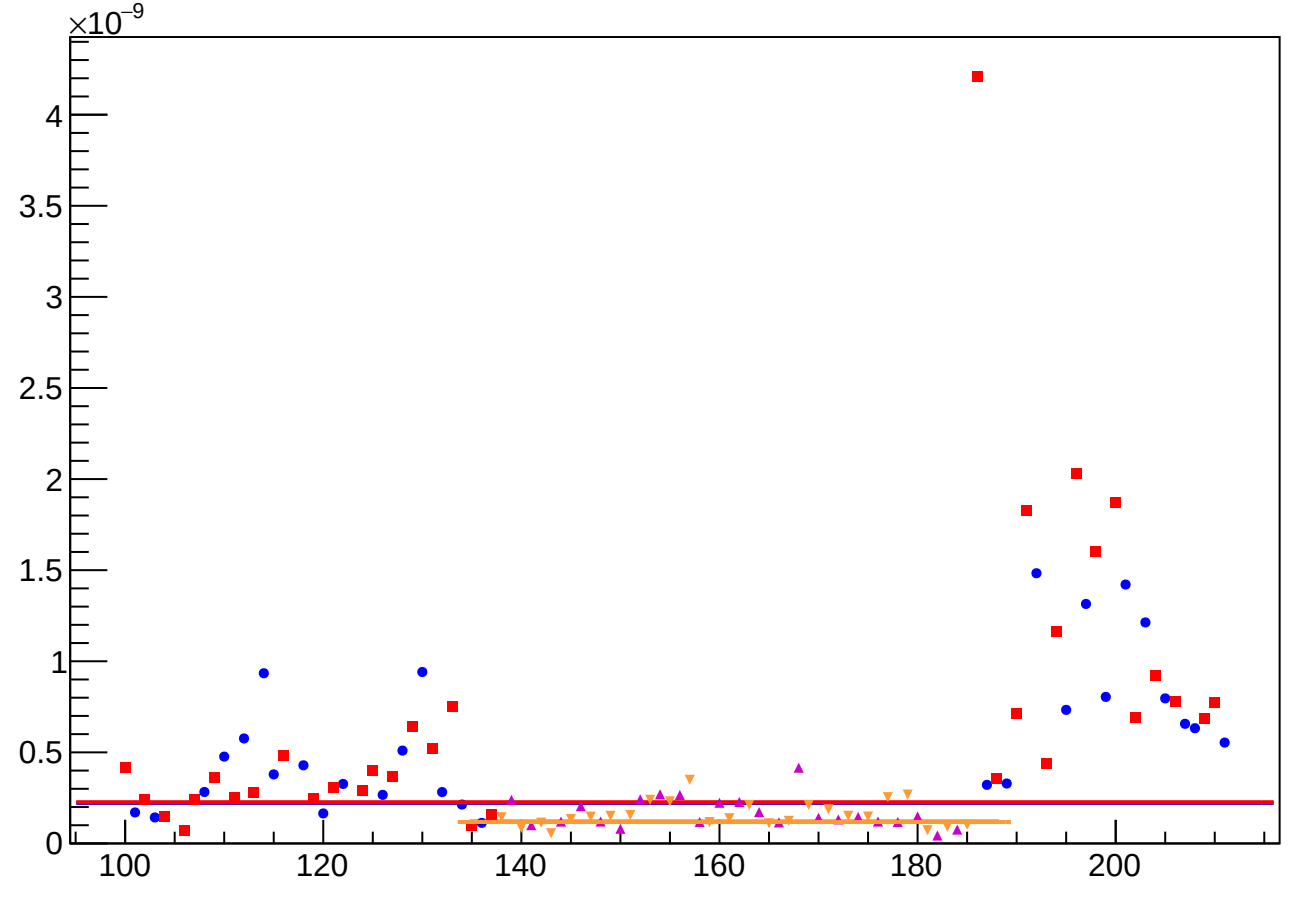
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 80.5/60

In: -0.000+/-0.000 χ^2/NDF:57.7/50

Out: 0.000+/-0.000 χ^2/NDF:78.4/57

All: -0.000+/-0.000 χ^2/NDF: 138.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 5974362.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7191013.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

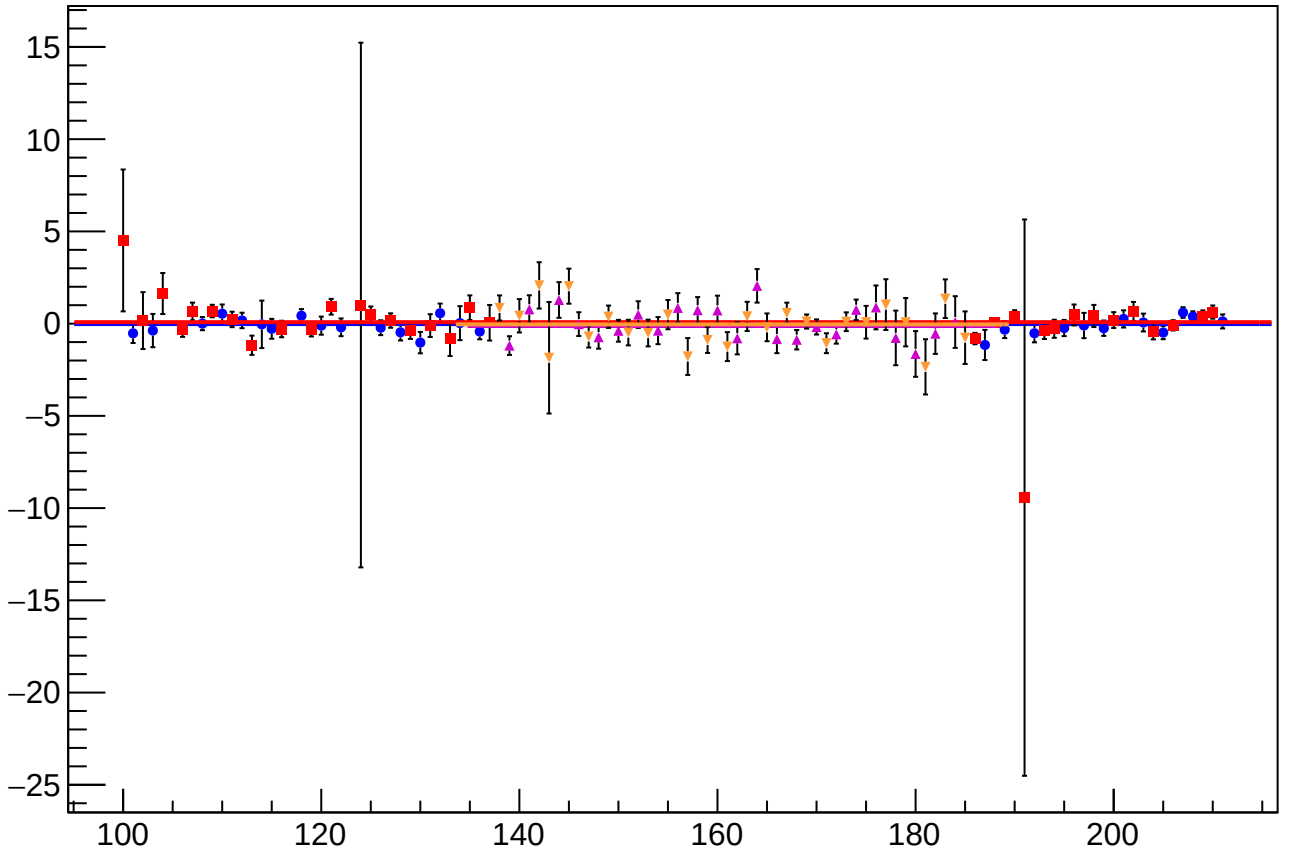
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13166431.4/60

In: 0.000+/-0.000 χ^2/NDF:9975663.3/50

Out: 0.000+/-0.000 χ^2/NDF:11008307.5/57

All: 0.000+/-0.000 χ^2/NDF: 20989626.0/108



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.080+/-0.074 χ^2/NDF: 43.3/32

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

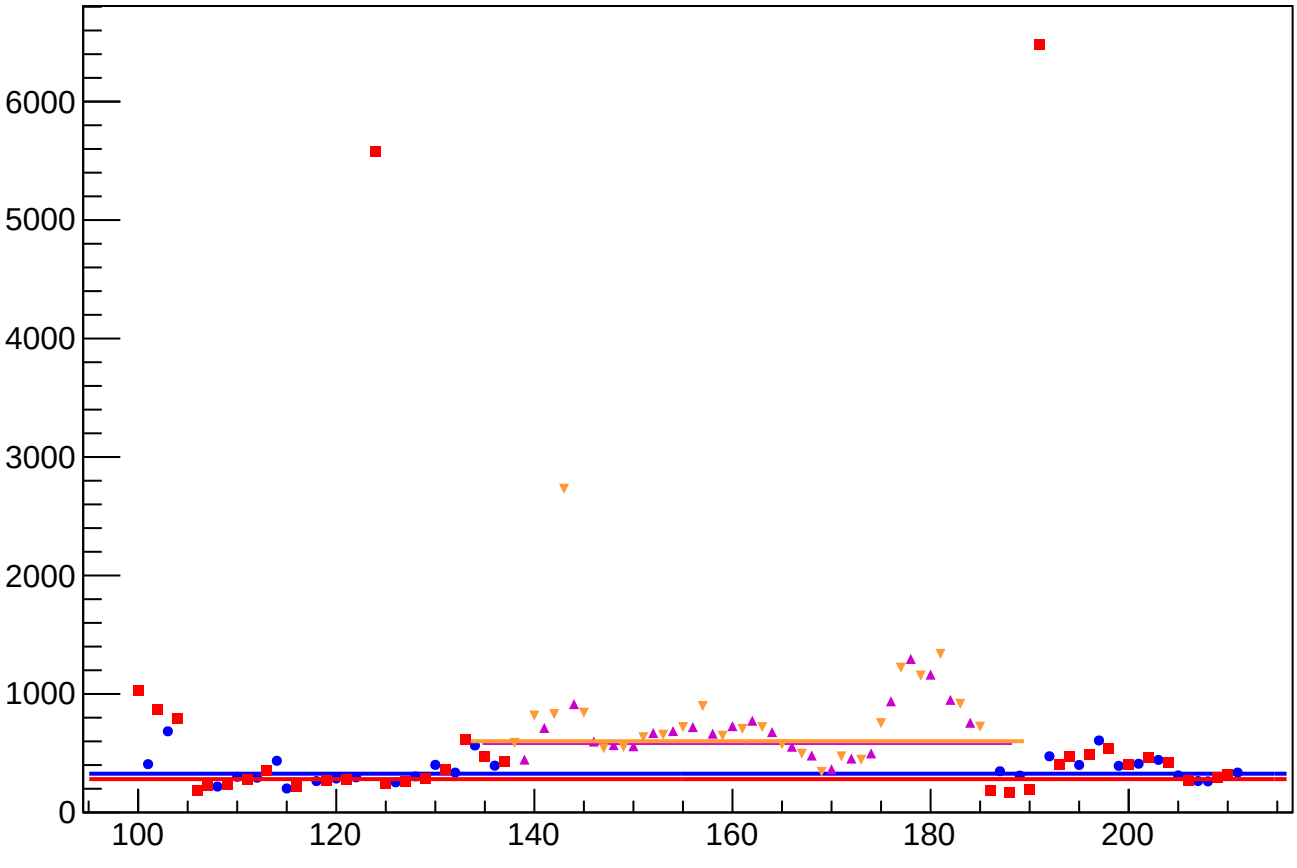
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.035+/-0.056 χ^2/NDF: 67.9/60

In: -0.050+/-0.073 χ^2/NDF:53.2/50

Out: 0.055+/-0.066 χ^2/NDF:73.9/57

All: 0.008+/-0.049 χ^2/NDF: 128.2/108



Right In: 327.141+/-0.060 χ^2/NDF: 2060791.6/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 281.405+/-0.053 χ^2/NDF: 5013437.7/32

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

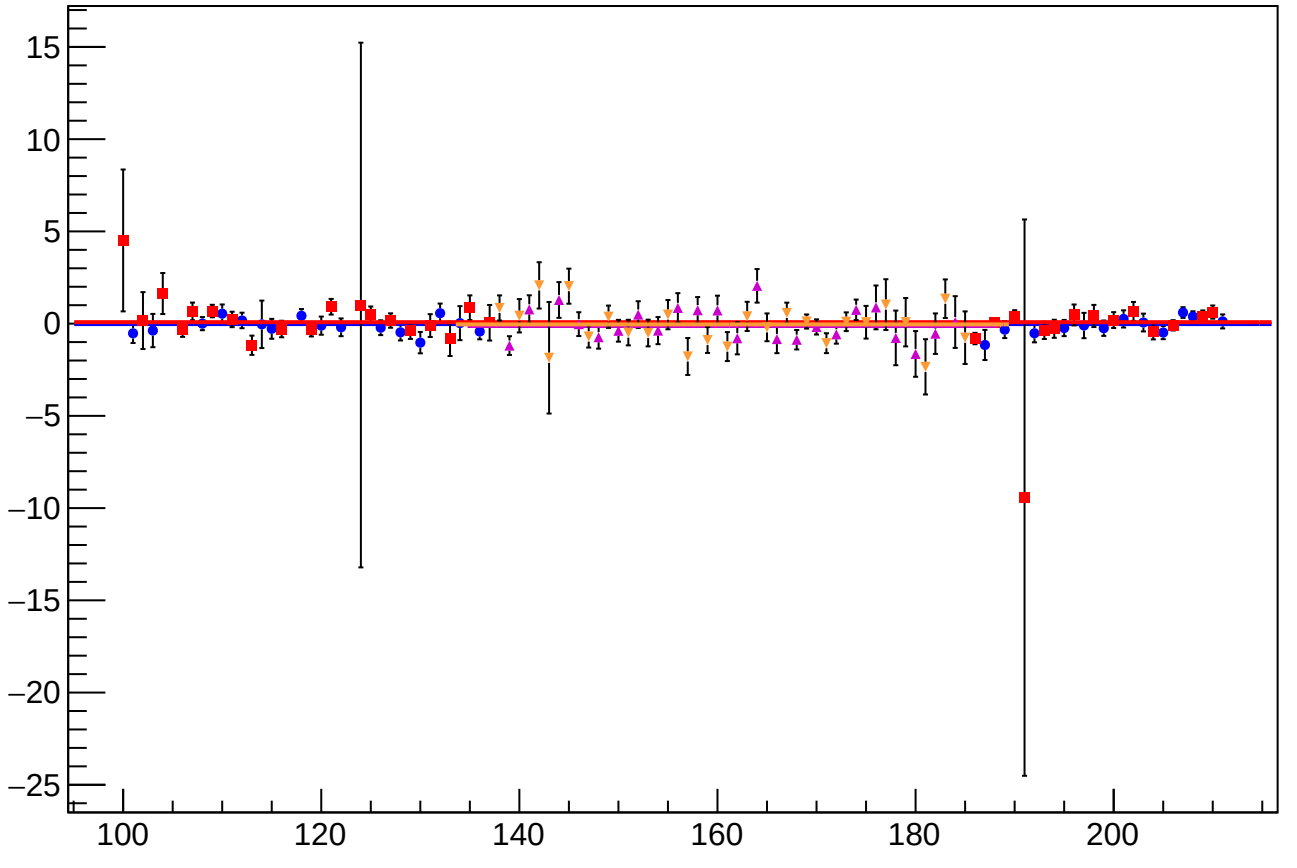
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.238+/-0.040 χ^2/NDF: 7402505.6/60

In: 393.368+/-0.052 χ^2/NDF:9760726.4/50

Out: 346.174+/-0.047 χ^2/NDF:16970213.4/57

All: 367.432+/-0.035 χ^2/NDF: 27186235.1/10



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.080+/-0.074 χ^2/NDF: 43.3/32

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

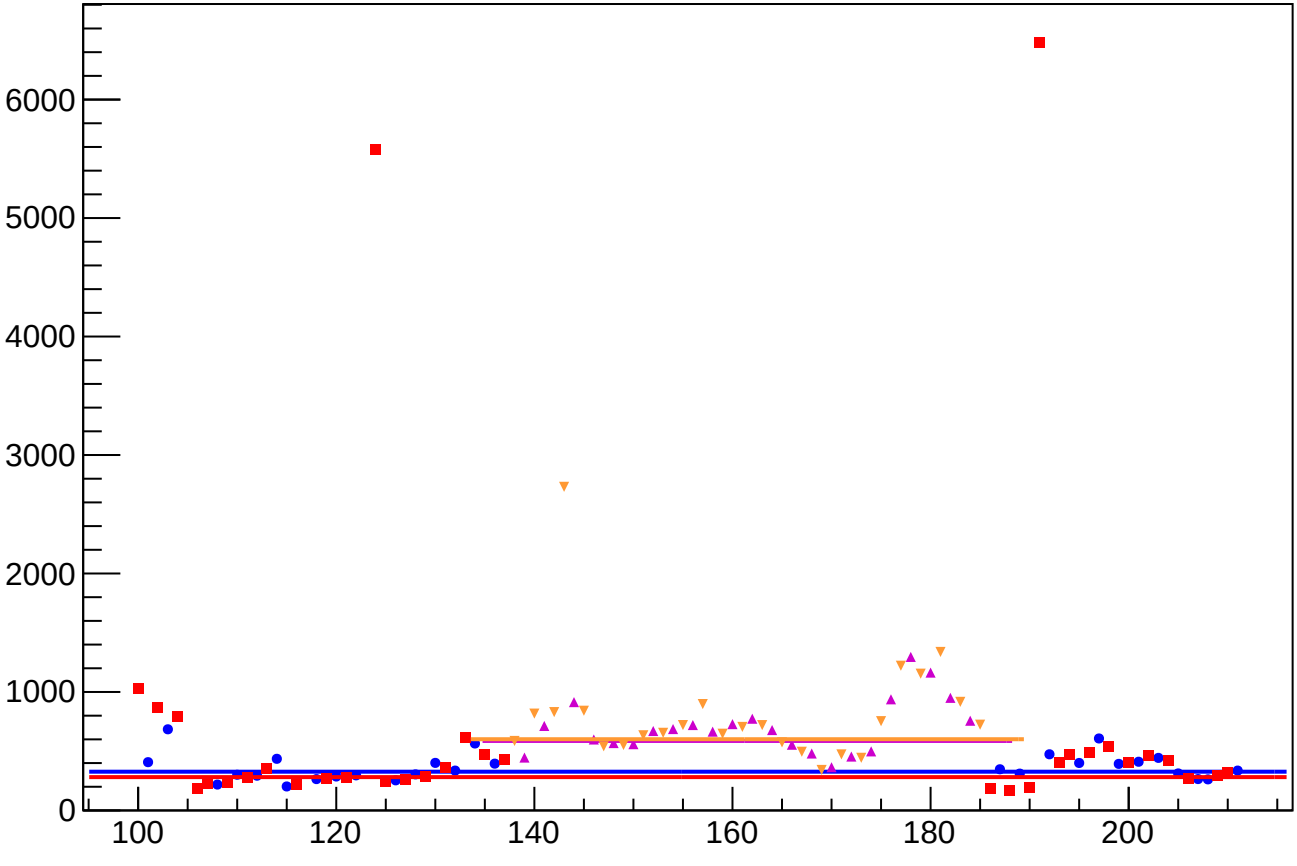
Right: 0.035+/-0.056 χ^2/NDF: 67.9/60

In: -0.050+/-0.073 χ^2/NDF:53.2/50

Out: 0.055+/-0.066 χ^2/NDF:73.9/57

All: 0.008+/-0.049 χ^2/NDF: 128.2/108

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 327.141+/-0.060 χ^2/NDF: 2060791.6/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 281.405+/-0.053 χ^2/NDF: 5013437.7/32

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

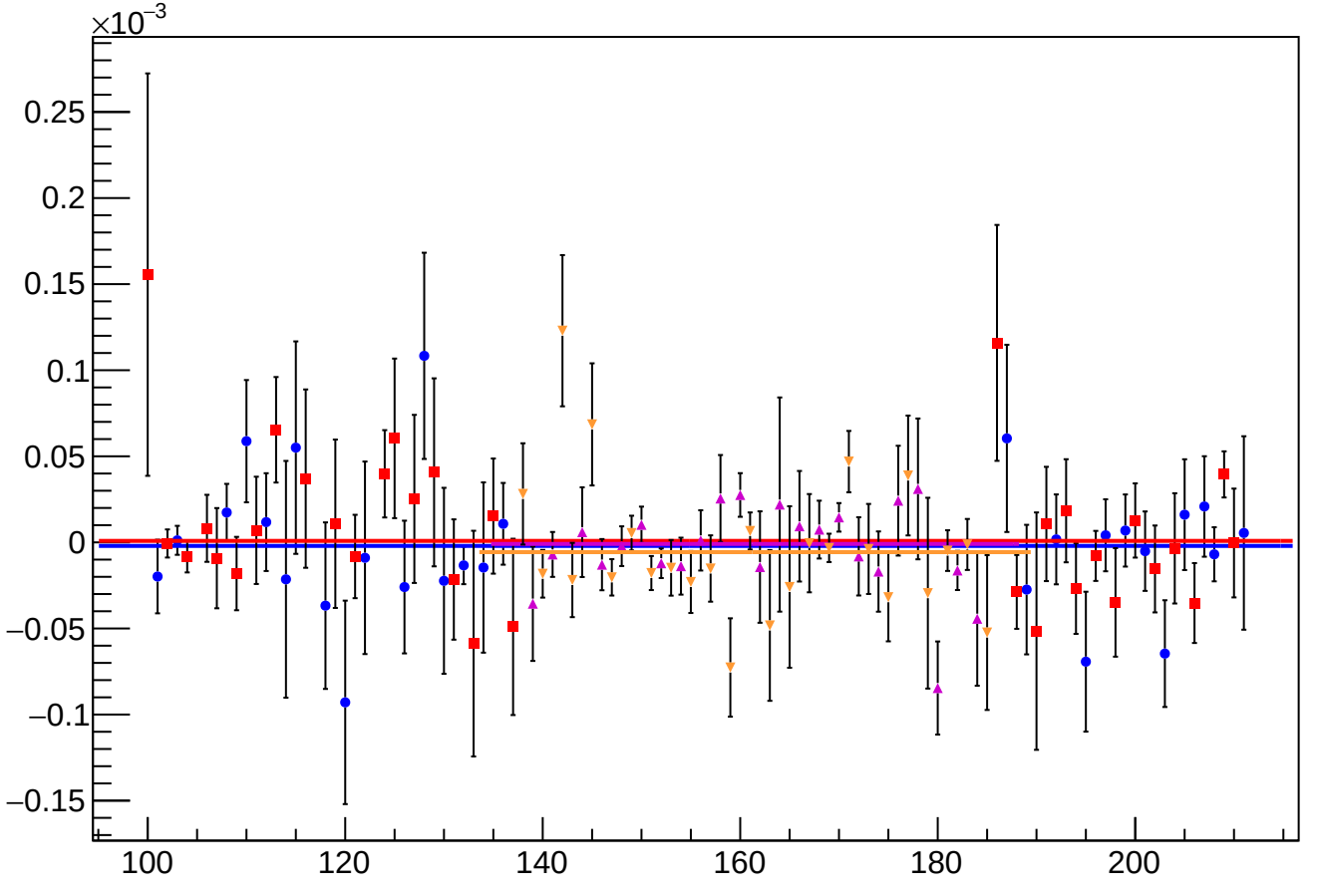
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.238+/-0.040 χ^2/NDF: 7402505.6/60

In: 393.368+/-0.052 χ^2/NDF:9760726.4/50

Out: 346.174+/-0.047 χ^2/NDF:16970213.4/57

All: 367.432+/-0.035 χ^2/NDF: 27186235.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/32

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

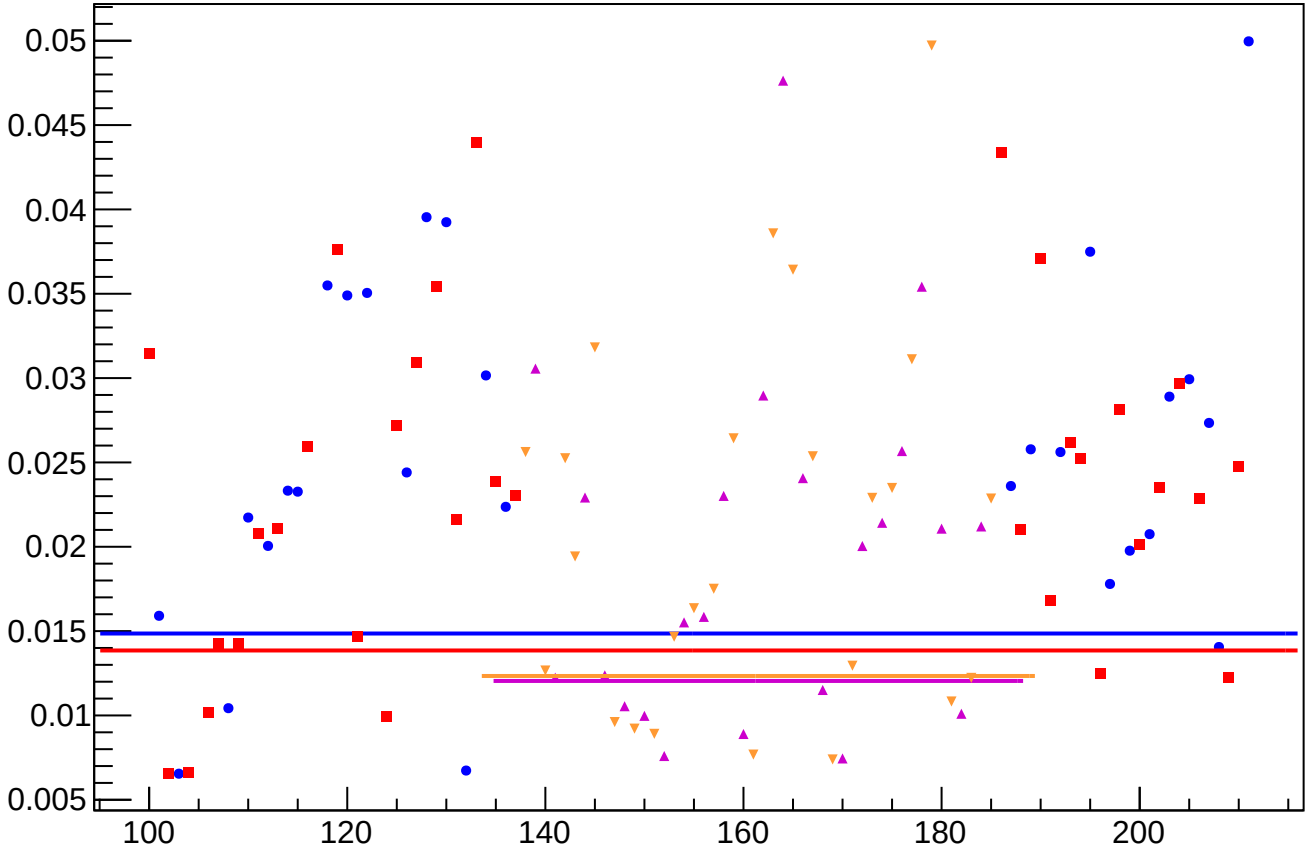
Right: -0.000+/-0.000 χ^2/NDF: 60.8/60

In: -0.000+/-0.000 χ^2/NDF:54.7/50

Out: -0.000+/-0.000 χ^2/NDF:80.4/57

All: -0.000+/-0.000 χ^2/NDF: 135.3/108

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 8989684.5/27

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8774150.0/32

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

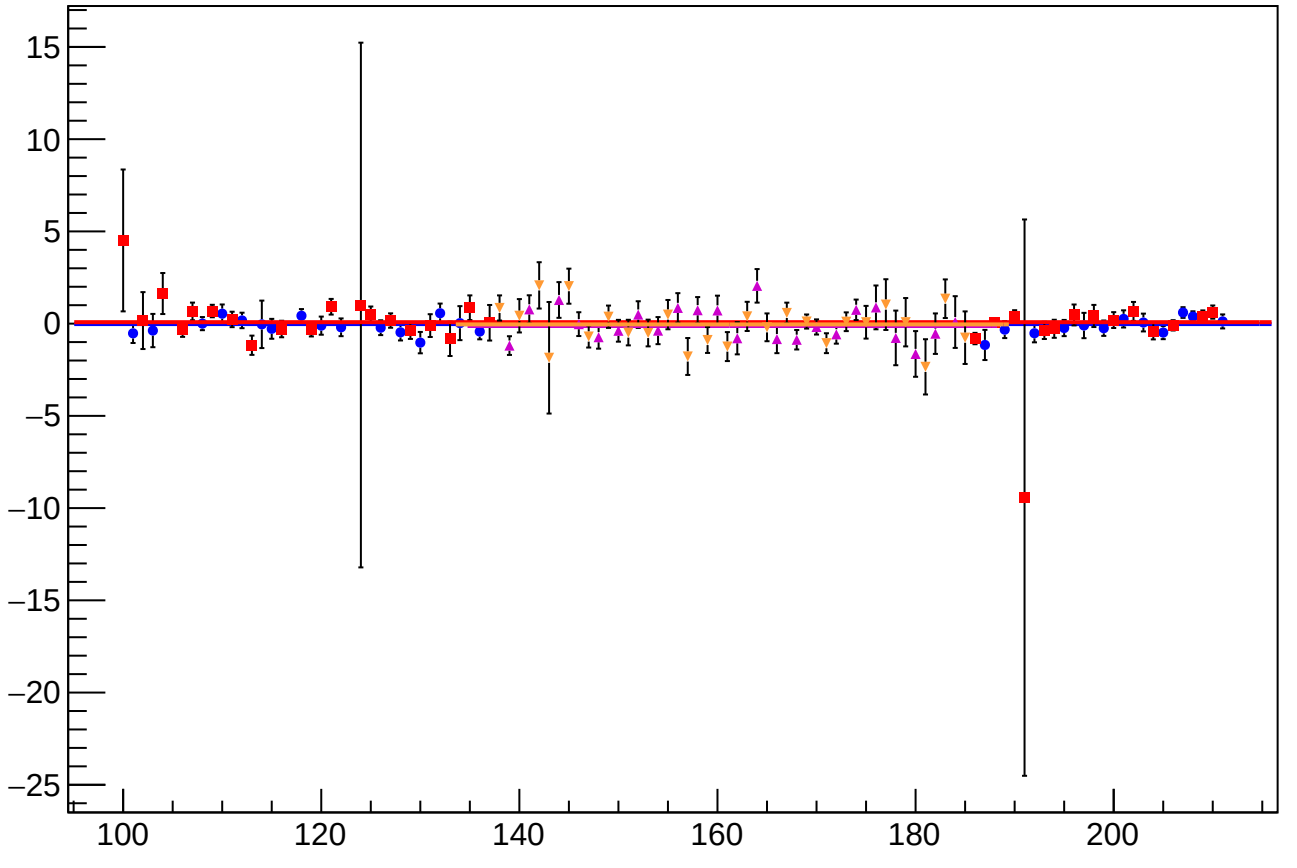
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 17823542.5/60

In: 0.013+/-0.000 χ^2/NDF:15899188.2/50

Out: 0.013+/-0.000 χ^2/NDF:16793604.0/57

All: 0.013+/-0.000 χ^2/NDF: 32694048.0/108



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.080+/-0.074 χ^2/NDF: 43.3/32

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

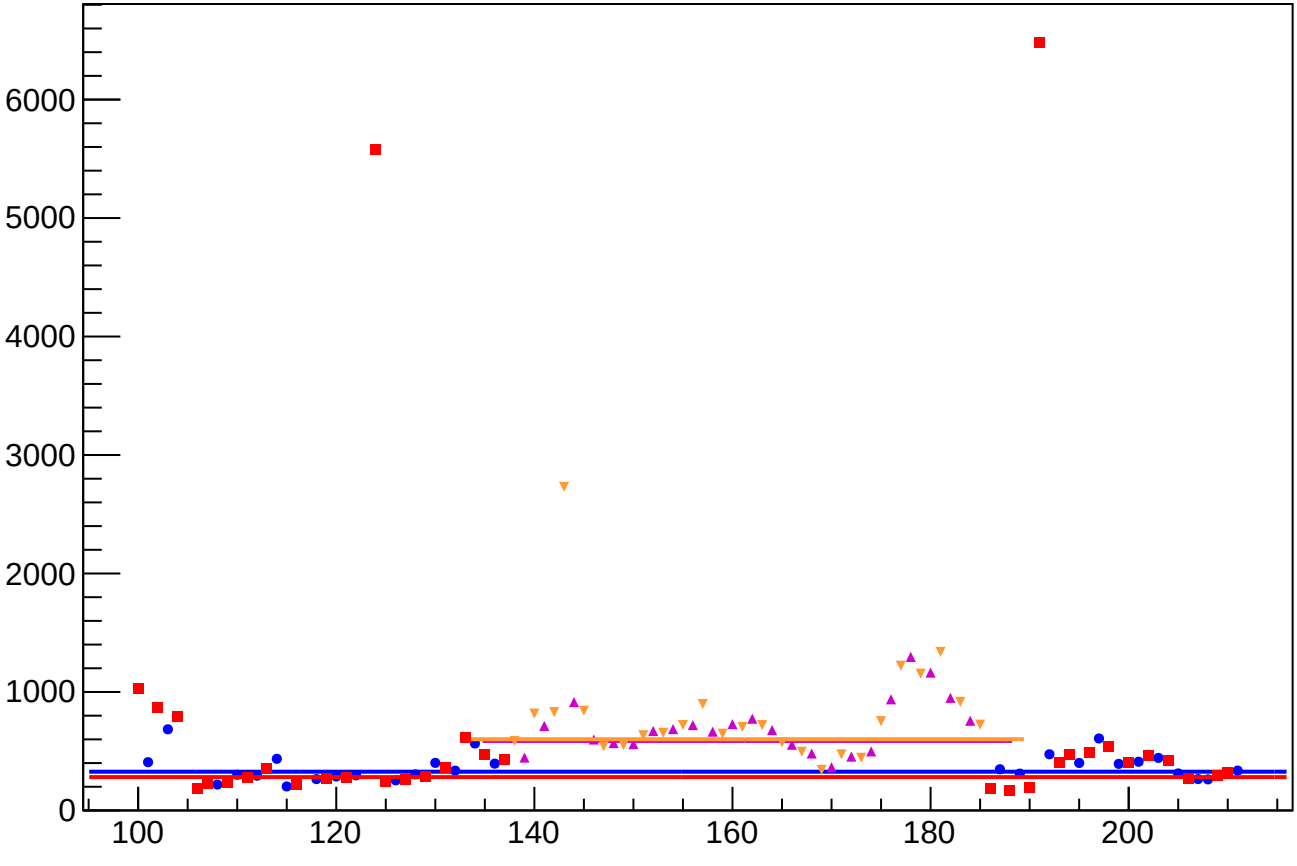
Right: 0.035+/-0.056 χ^2/NDF: 67.9/60

In: -0.050+/-0.073 χ^2/NDF:53.2/50

Out: 0.055+/-0.066 χ^2/NDF:73.9/57

All: 0.008+/-0.049 χ^2/NDF: 128.2/108

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 327.141+/-0.060 χ^2/NDF: 2060773.5/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 281.399+/-0.053 χ^2/NDF: 5013756.8/32

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

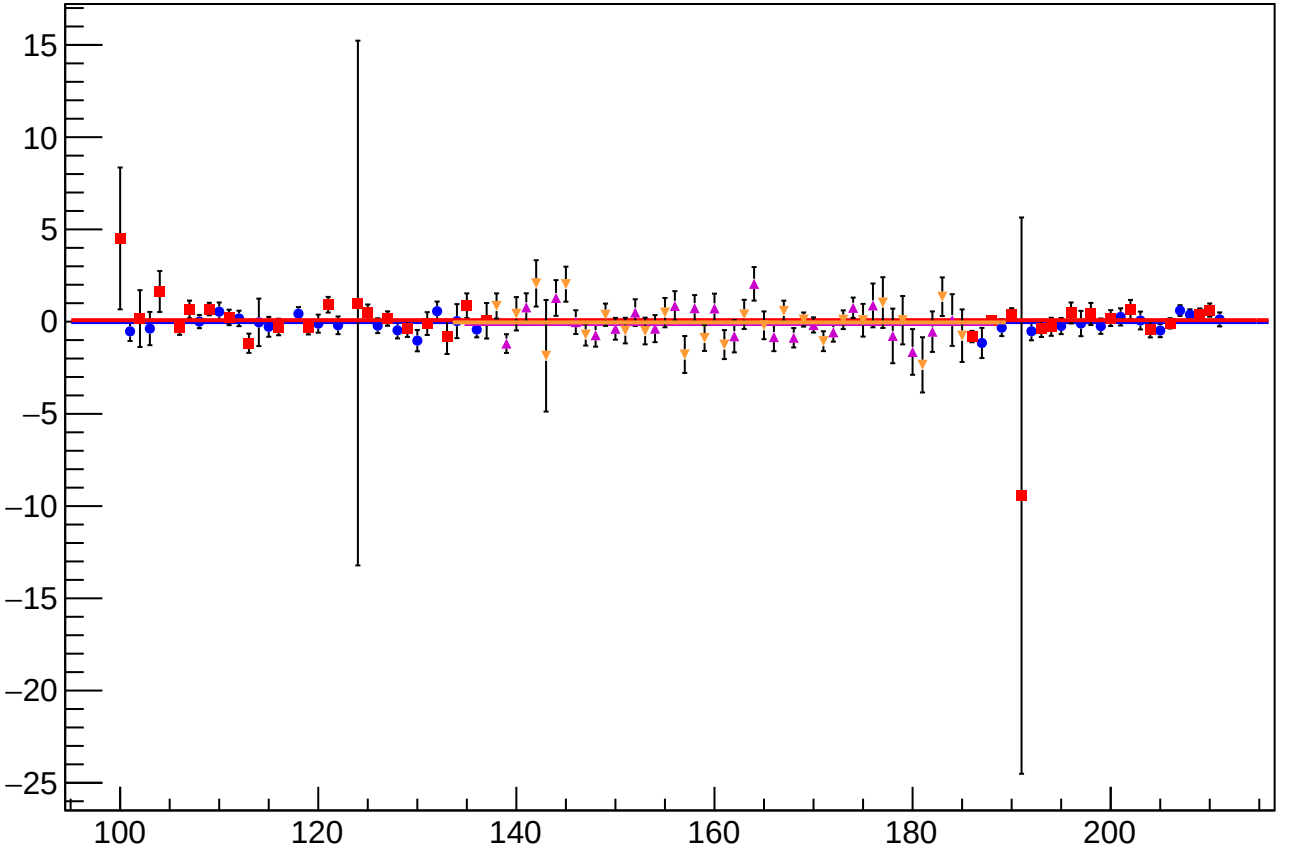
Right: 301.234+/-0.040 χ^2/NDF: 7402901.9/60

In: 393.368+/-0.052 χ^2/NDF:9760882.2/50

Out: 346.167+/-0.047 χ^2/NDF:16971047.3/57

All: 367.428+/-0.035 χ^2/NDF: 27187365.0/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.024+/-0.085 χ^2/NDF: 23.8/27

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.080+/-0.074 χ^2/NDF: 43.3/32

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

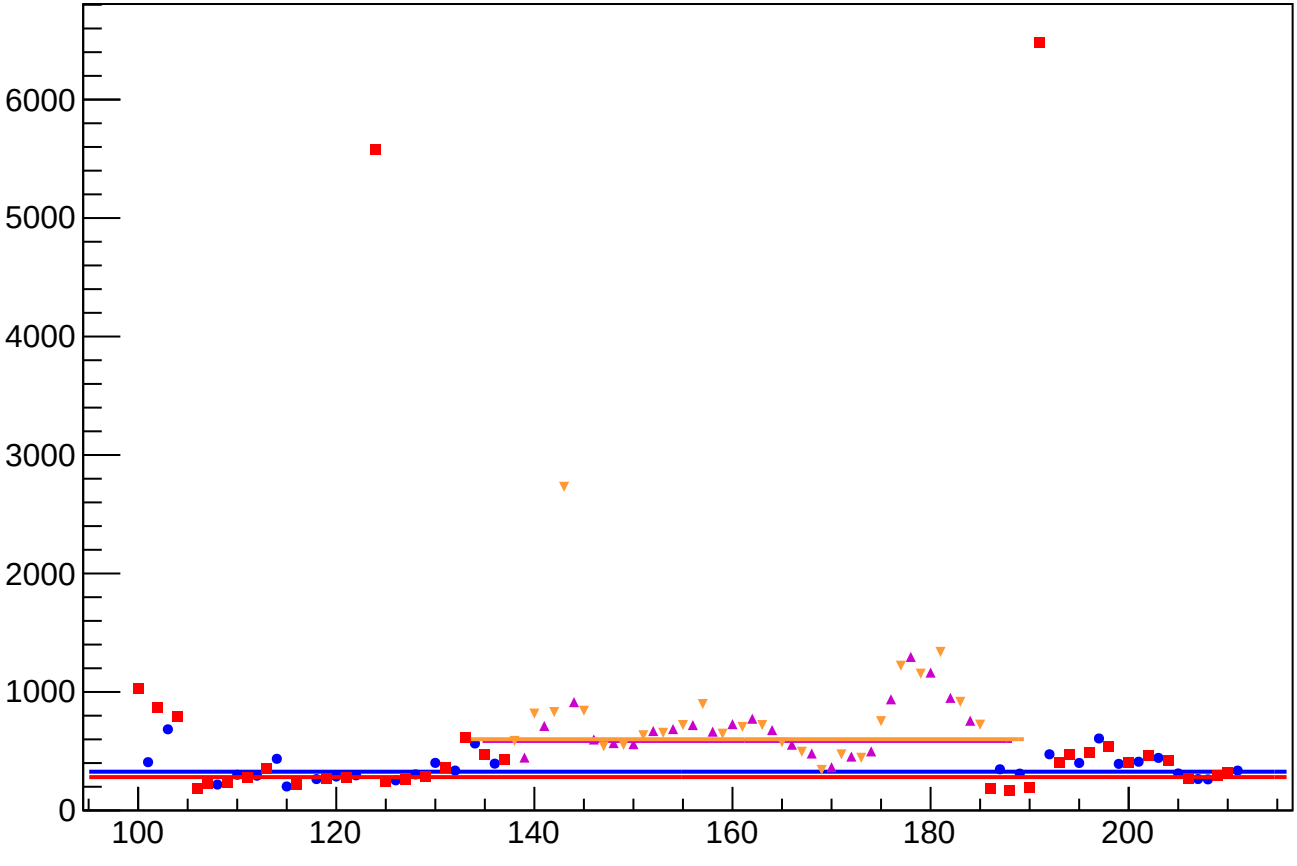
Right: 0.035+/-0.056 χ^2/NDF: 67.9/60

In: -0.050+/-0.073 χ^2/NDF:53.2/50

Out: 0.055+/-0.066 χ^2/NDF:73.9/57

All: 0.008+/-0.049 χ^2/NDF: 128.2/108

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 327.141+/-0.060 χ^2/NDF: 2060773.5/27

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 281.399+/-0.053 χ^2/NDF: 5013756.8/32

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

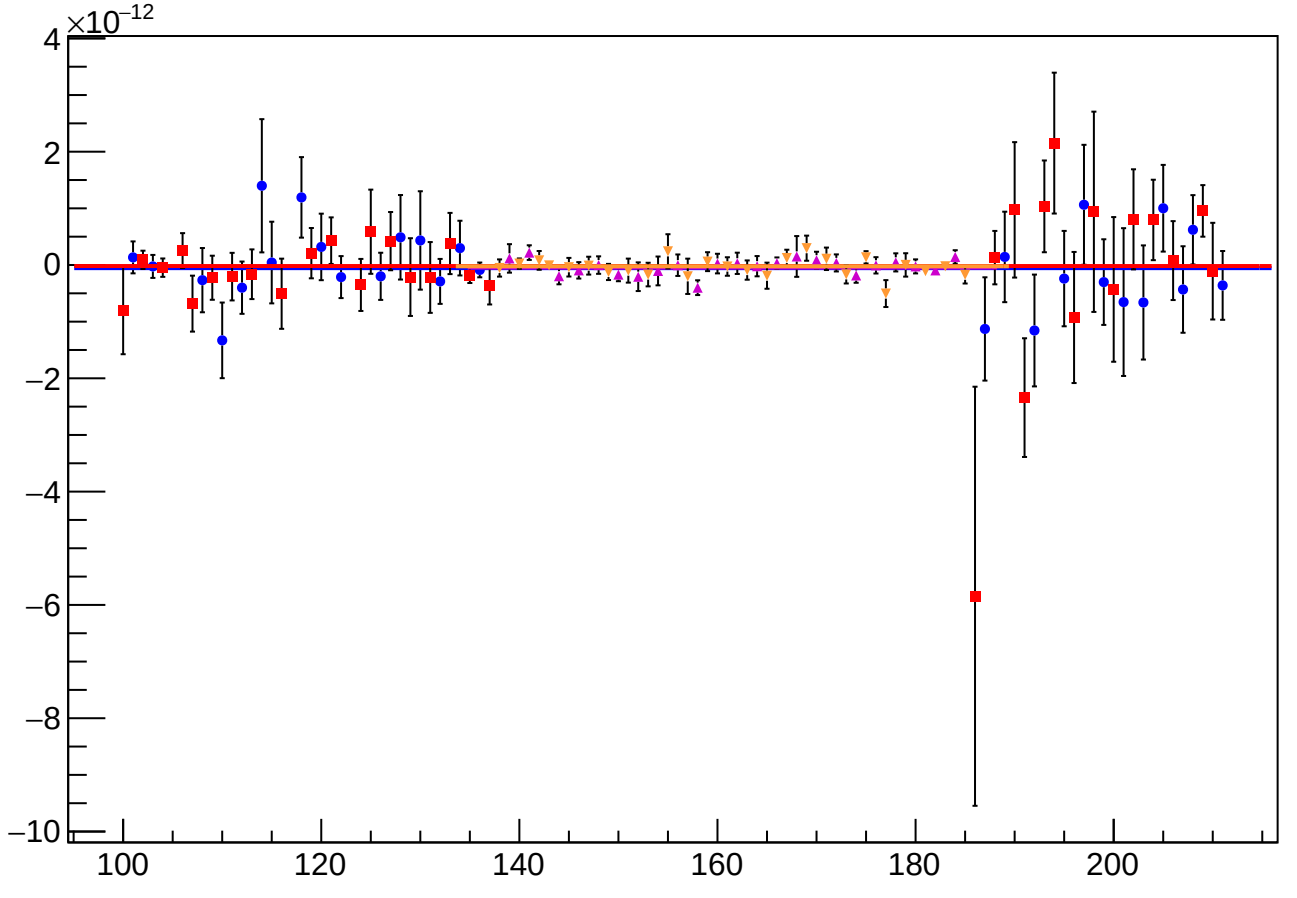
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 301.234+/-0.040 χ^2/NDF: 7402901.9/60

In: 393.368+/-0.052 χ^2/NDF:9760882.2/50

Out: 346.167+/-0.047 χ^2/NDF:16971047.3/57

All: 367.428+/-0.035 χ^2/NDF: 27187365.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/32

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

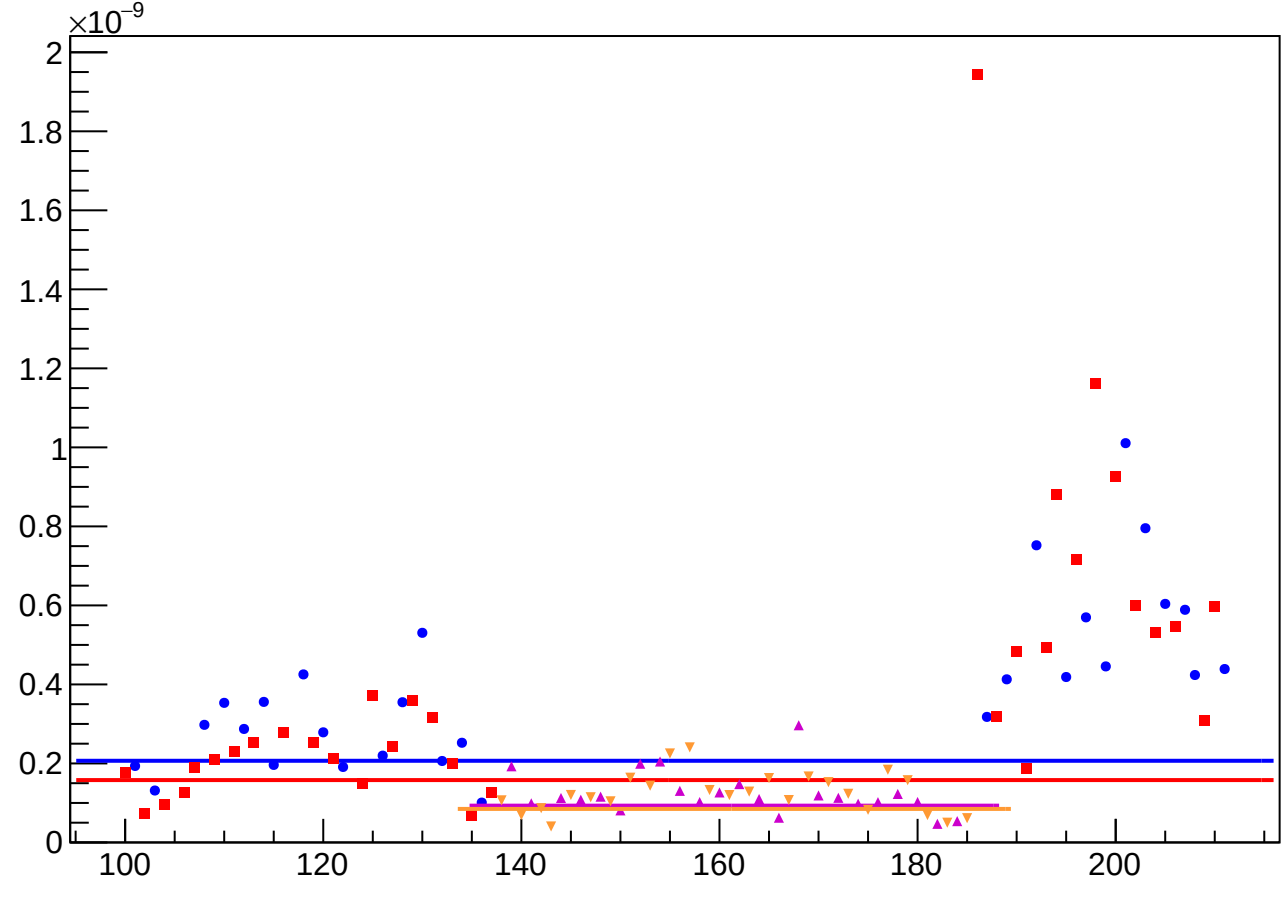
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 52.8/60

In: -0.000+/-0.000 χ^2/NDF:42.1/50

Out: -0.000+/-0.000 χ^2/NDF:48.9/57

All: -0.000+/-0.000 χ^2/NDF: 91.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 6803802.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8784189.5/32

Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

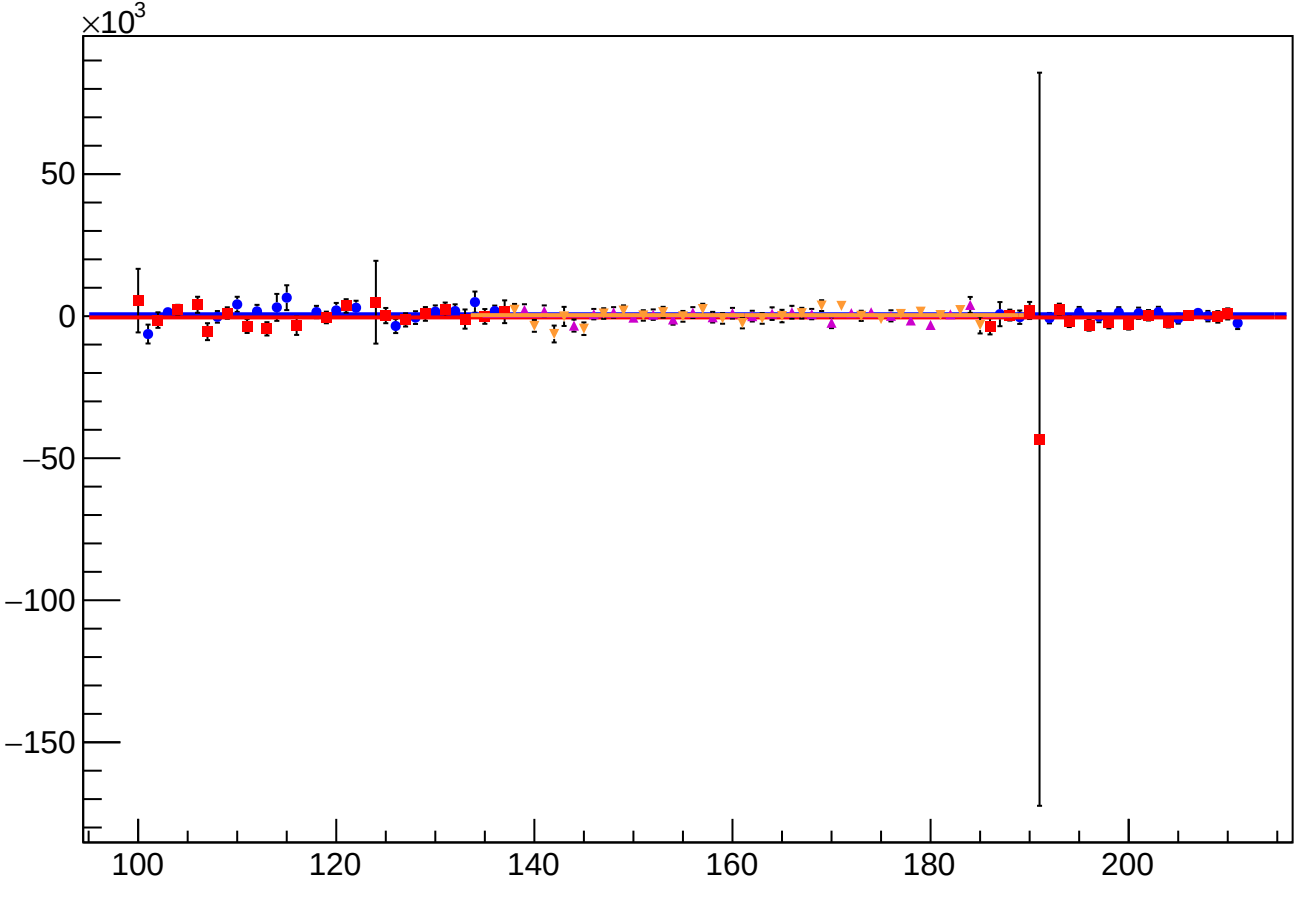
Left: 0.000+/-0.000 χ^2/NDF: 9340725.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16032135.5/60

In: 0.000+/-0.000 χ^2/NDF:14296266.5/50

Out: 0.000+/-0.000 χ^2/NDF:16245895.8/57

All: 0.000+/-0.000 χ^2/NDF: 30742118.7/108



Right In: 671.030+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -445.497+/-405.264 χ^2/NDF: 29.3/32

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

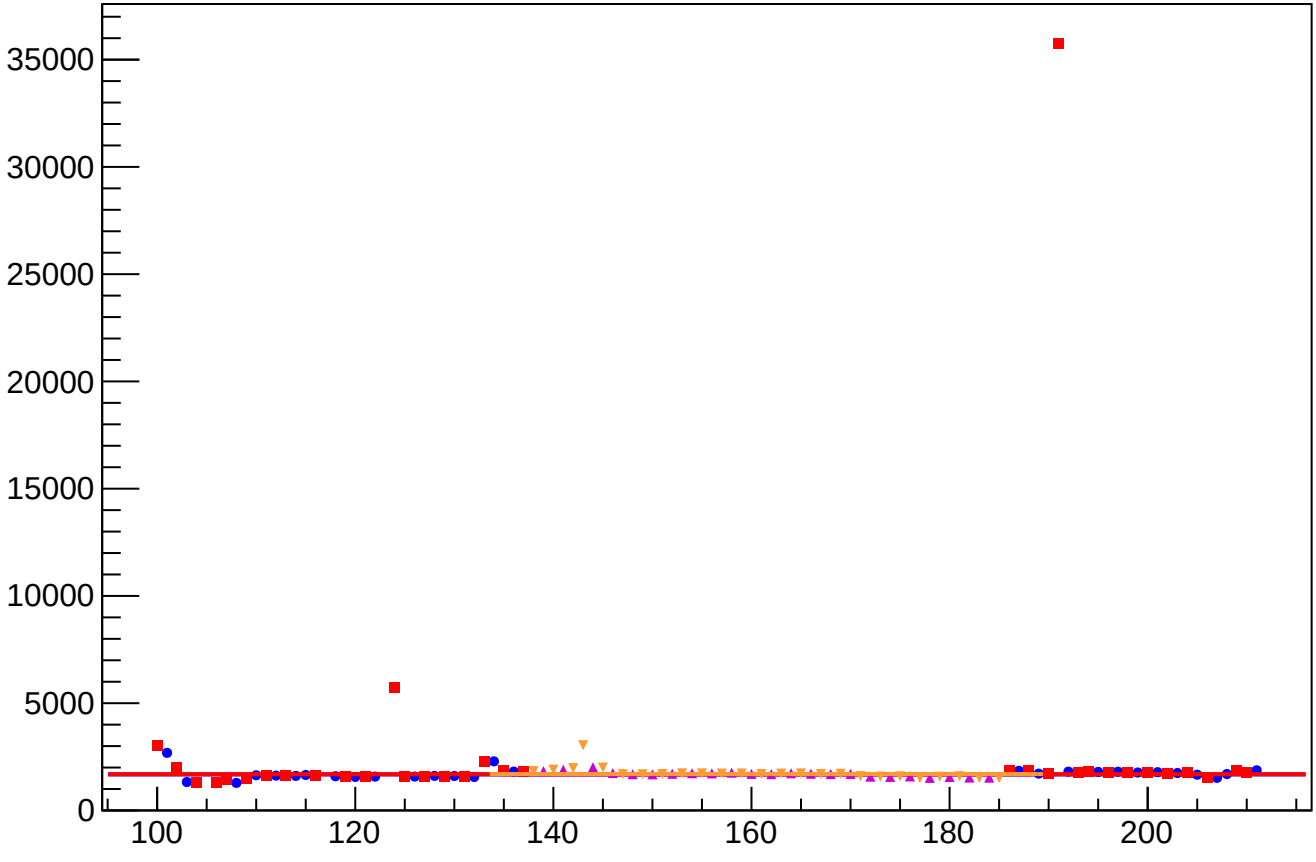
Right: 99.241+/-290.016 χ^2/NDF: 52.6/60

In: 400.737+/-285.901 χ^2/NDF:36.4/50

Out: -24.504+/-280.311 χ^2/NDF:61.0/57

All: 183.919+/-200.157 χ^2/NDF: 98.5/108

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.2/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.1/32

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

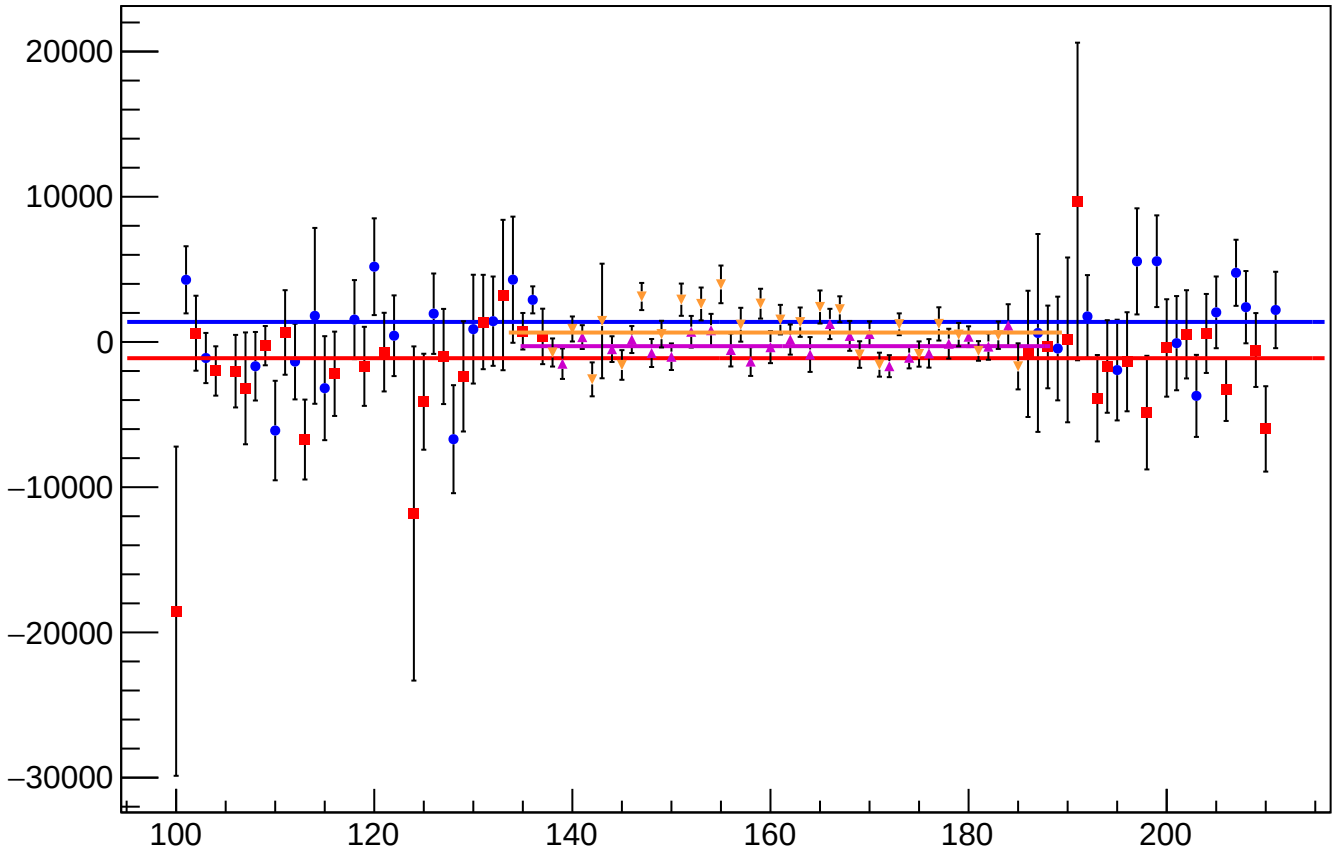
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1684.343+/-0.205 χ^2/NDF: 1221157.4/60

In: 1681.834+/-0.202 χ^2/NDF:671696.0/50

Out: 1693.734+/-0.198 χ^2/NDF:1210113.7/57

All: 1687.901+/-0.142 χ^2/NDF: 1883576.3/10



Right In: 1380.231+/-479.602 χ^2/NDF: 32.4/27

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1116.761+/-465.315 χ^2/NDF: 22.0/32

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

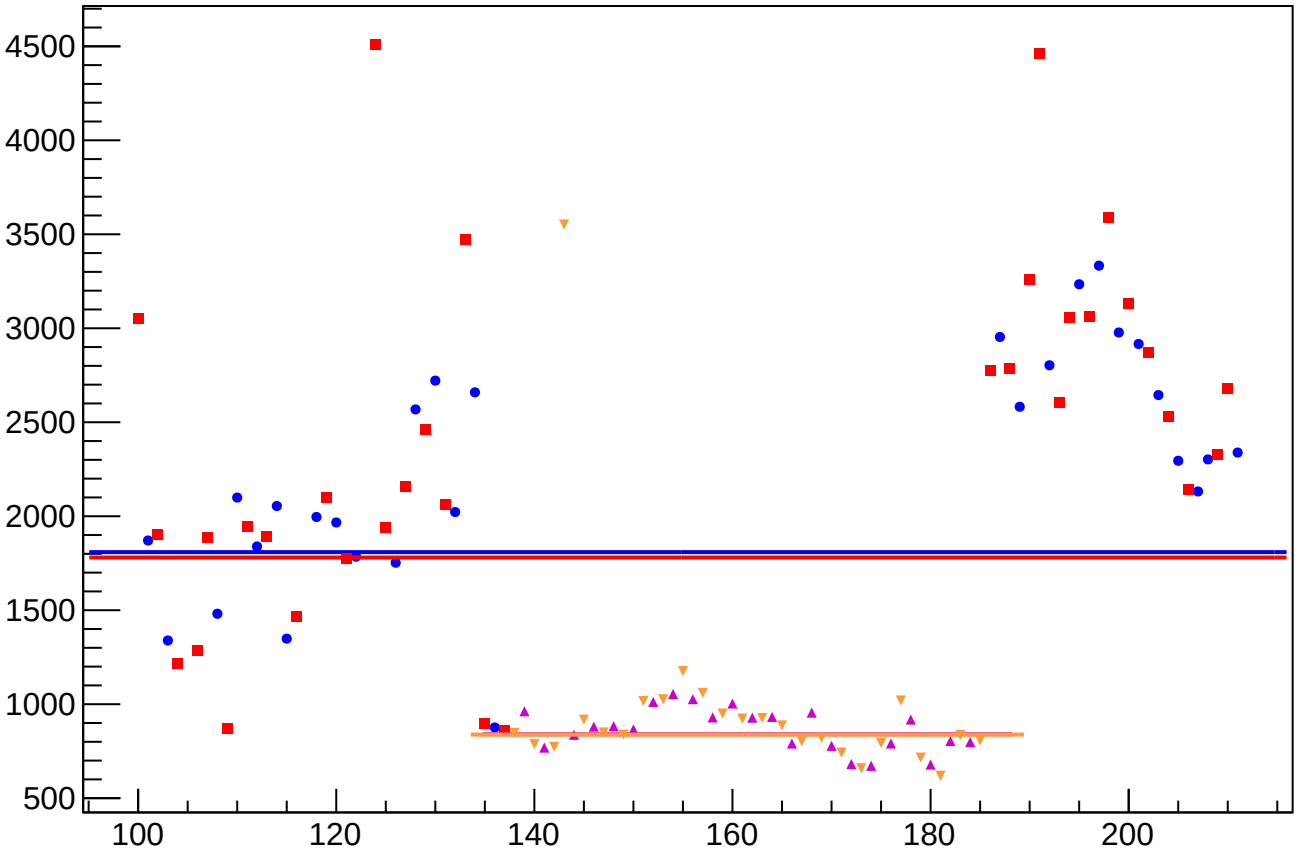
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 93.988+/-333.964 χ^2/NDF: 68.3/60

In: -44.562+/-183.407 χ^2/NDF:59.3/50

Out: 383.817+/-180.372 χ^2/NDF:99.7/57

All: 173.201+/-128.602 χ^2/NDF: 161.8/108



Right In: 1809.085+/-0.339 χ^2/NDF: 4592202.6/27

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1780.368+/-0.329 χ^2/NDF: 6049904.3/32

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

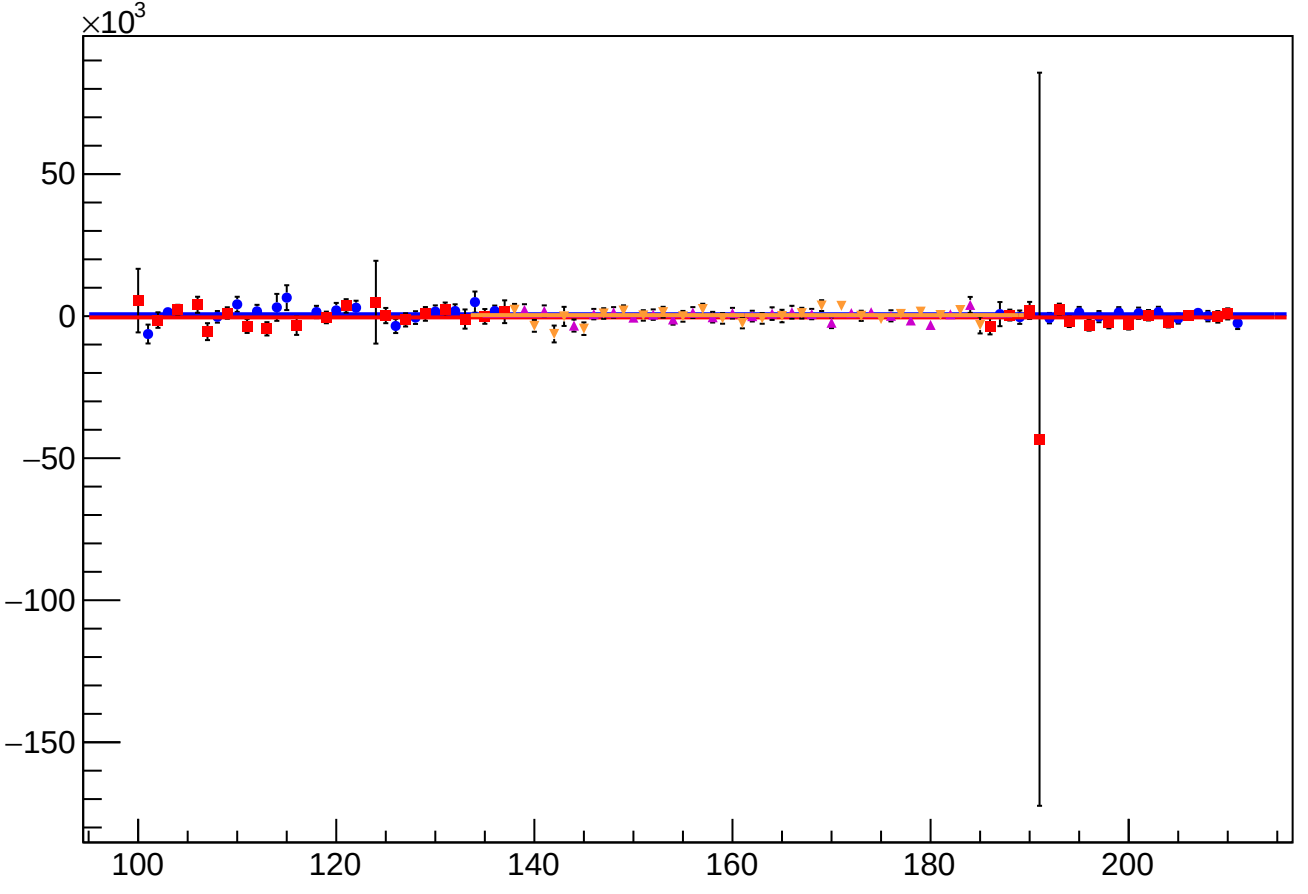
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1794.292+/-0.236 χ^2/NDF: 10645800.5/60

In: 981.699+/-0.130 χ^2/NDF:12233399.3/50

Out: 979.806+/-0.128 χ^2/NDF:14817056.2/57

All: 980.737+/-0.091 χ^2/NDF: 27050563.8/10



Right In: 671.083+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -445.617+/-405.264 χ^2/NDF: 29.3/32

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

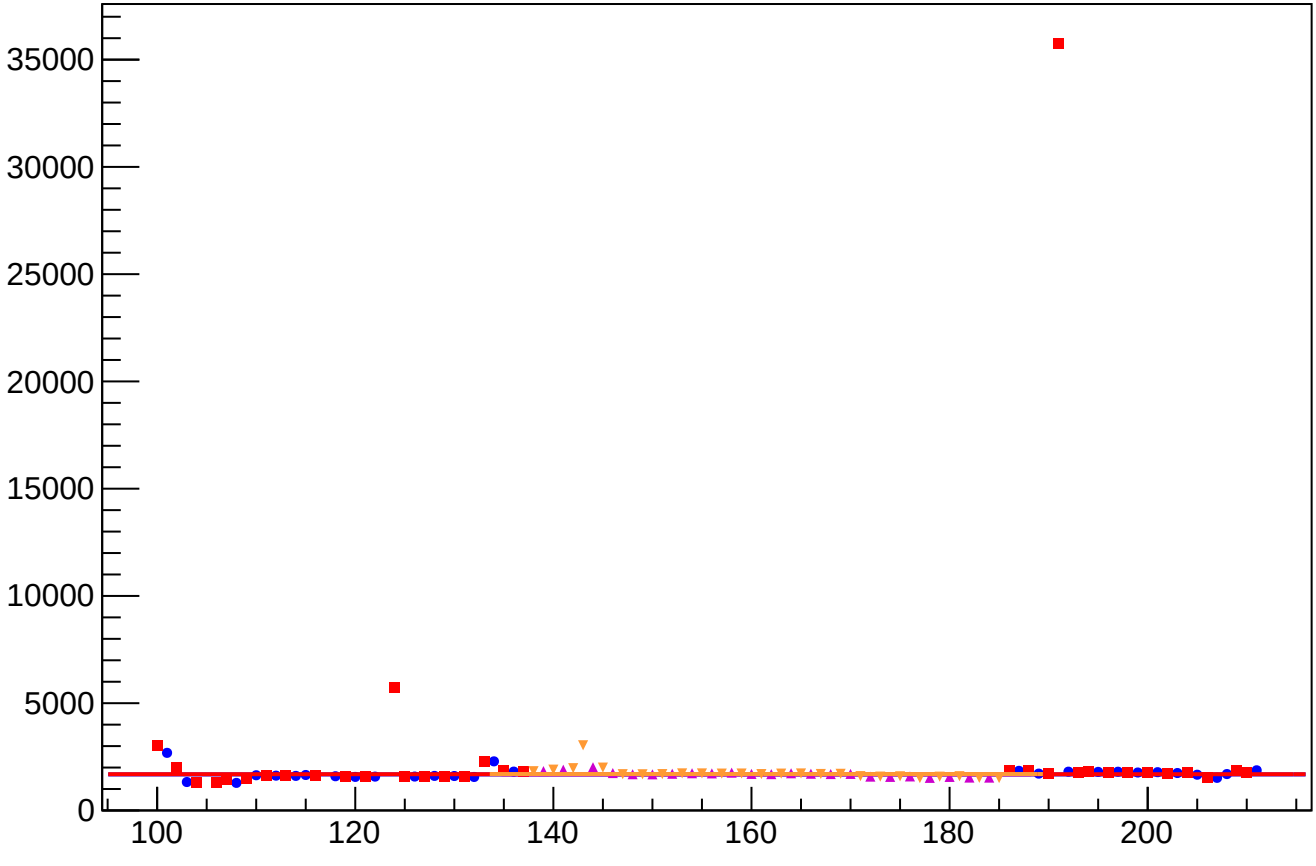
Right: 99.205+/-290.016 χ^2/NDF: 52.6/60

In: 400.712+/-285.901 χ^2/NDF:36.4/50

Out: -24.606+/-280.311 χ^2/NDF:61.0/57

All: 183.855+/-200.157 χ^2/NDF: 98.5/108

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.5/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.2/32

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

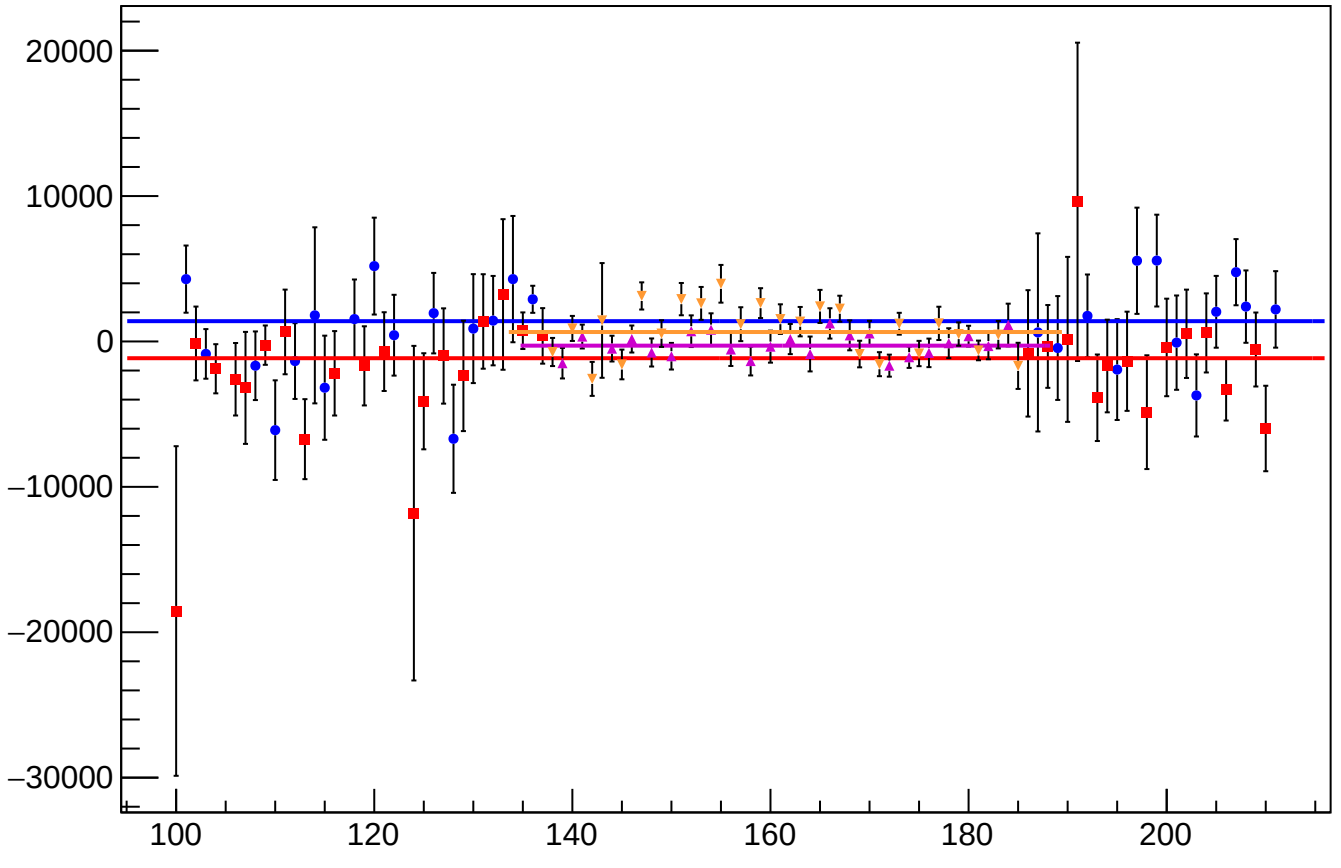
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1684.343+/-0.205 χ^2/NDF: 1221157.9/60

In: 1681.834+/-0.202 χ^2/NDF:671696.4/50

Out: 1693.734+/-0.198 χ^2/NDF:1210113.8/57

All: 1687.901+/-0.142 χ^2/NDF: 1883576.7/10



Right In: 1395.590+/-479.135 χ^2/NDF: 32.0/27

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1152.375+/-464.866 χ^2/NDF: 21.8/32

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

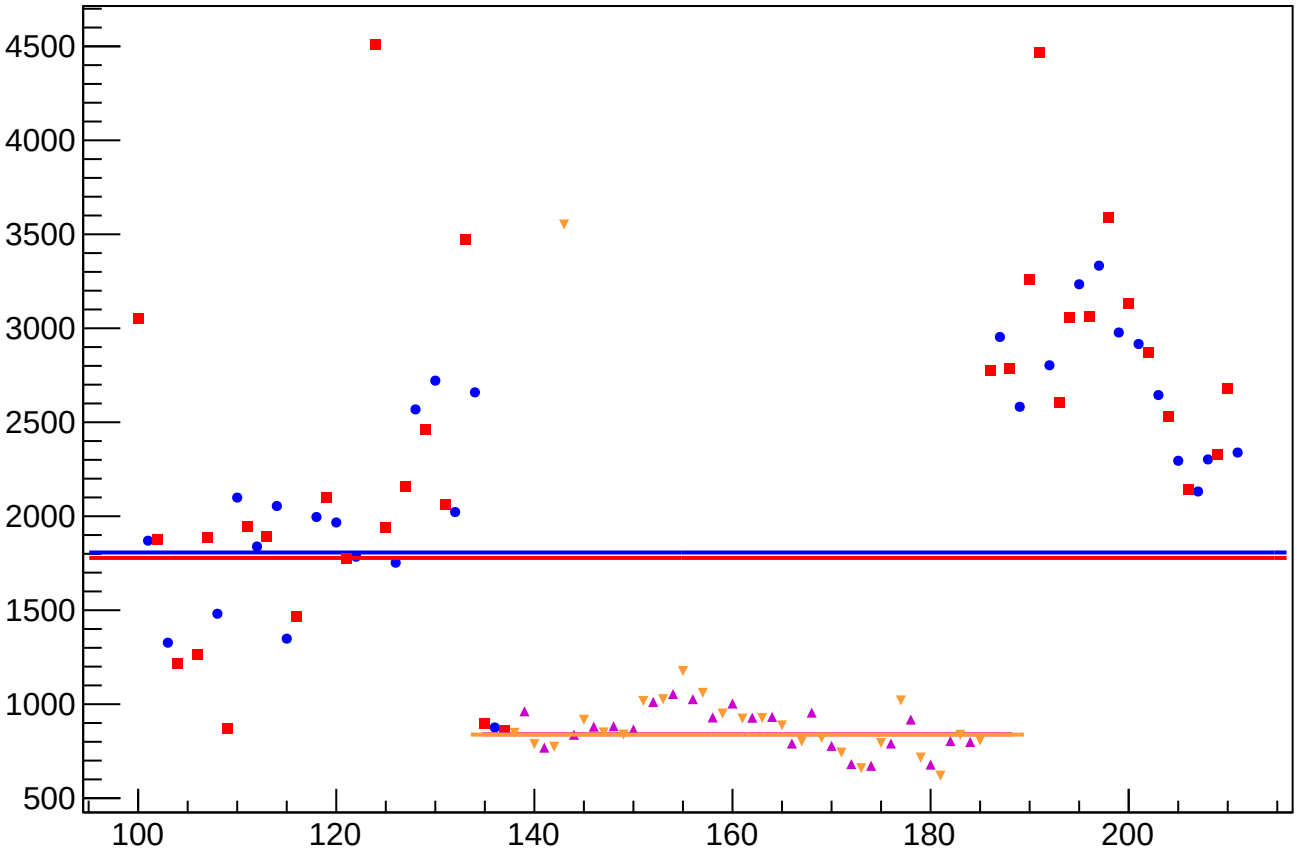
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 83.104+/-333.640 χ^2/NDF: 68.4/60

In: -41.893+/-183.381 χ^2/NDF:59.1/50

Out: 378.016+/-180.347 χ^2/NDF:100.1/57

All: 171.563+/-128.584 χ^2/NDF: 161.9/108



Right In: 1807.226+/-0.339 χ^2/NDF: 4603424.2/27

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1778.171+/-0.329 χ^2/NDF: 6059282.4/32

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

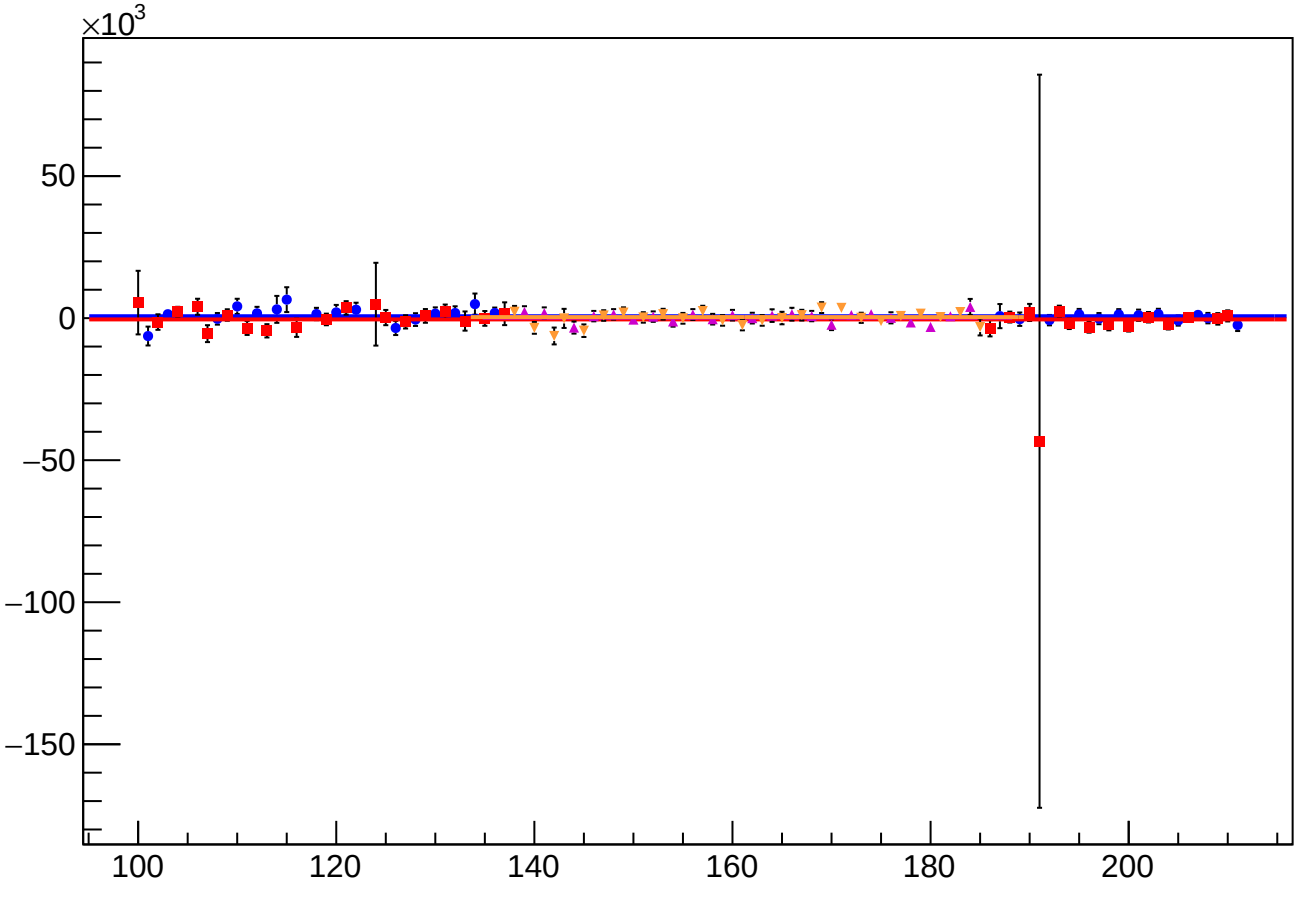
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1792.259+/-0.236 χ^2/NDF: 10666495.2/60

In: 981.666+/-0.130 χ^2/NDF:12229433.4/50

Out: 979.720+/-0.128 χ^2/NDF:14805049.2/57

All: 980.677+/-0.091 χ^2/NDF: 27034597.0/10



Right In: 671.083+/-415.205 χ^2/NDF: 19.6/27

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -445.617+/-405.264 χ^2/NDF: 29.3/32

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

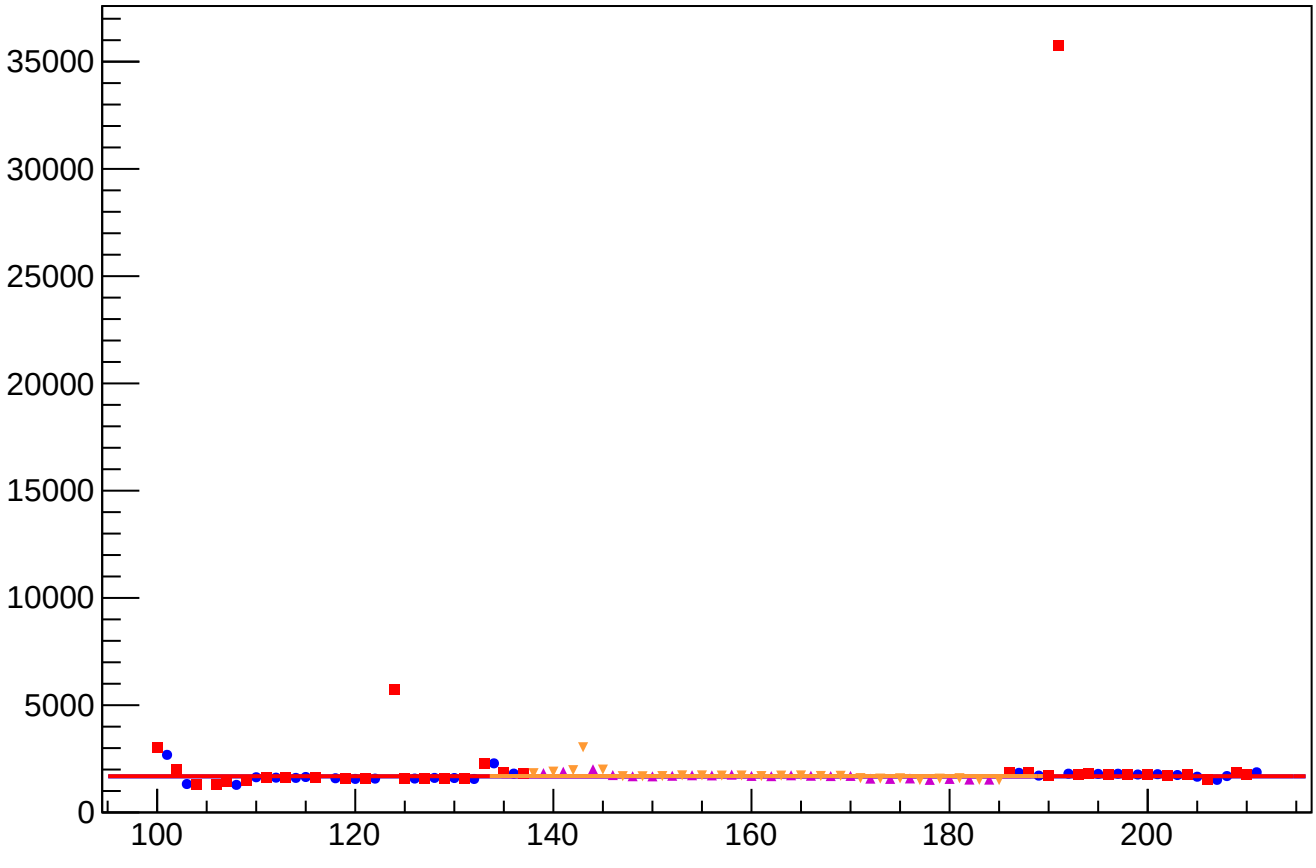
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 99.205+/-290.016 χ^2/NDF: 52.6/60

In: 400.712+/-285.901 χ^2/NDF:36.4/50

Out: -24.606+/-280.311 χ^2/NDF:61.0/57

All: 183.855+/-200.157 χ^2/NDF: 98.5/108



Right In: 1678.792+/-0.294 χ^2/NDF: 506136.5/27

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1689.632+/-0.287 χ^2/NDF: 714323.2/32

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

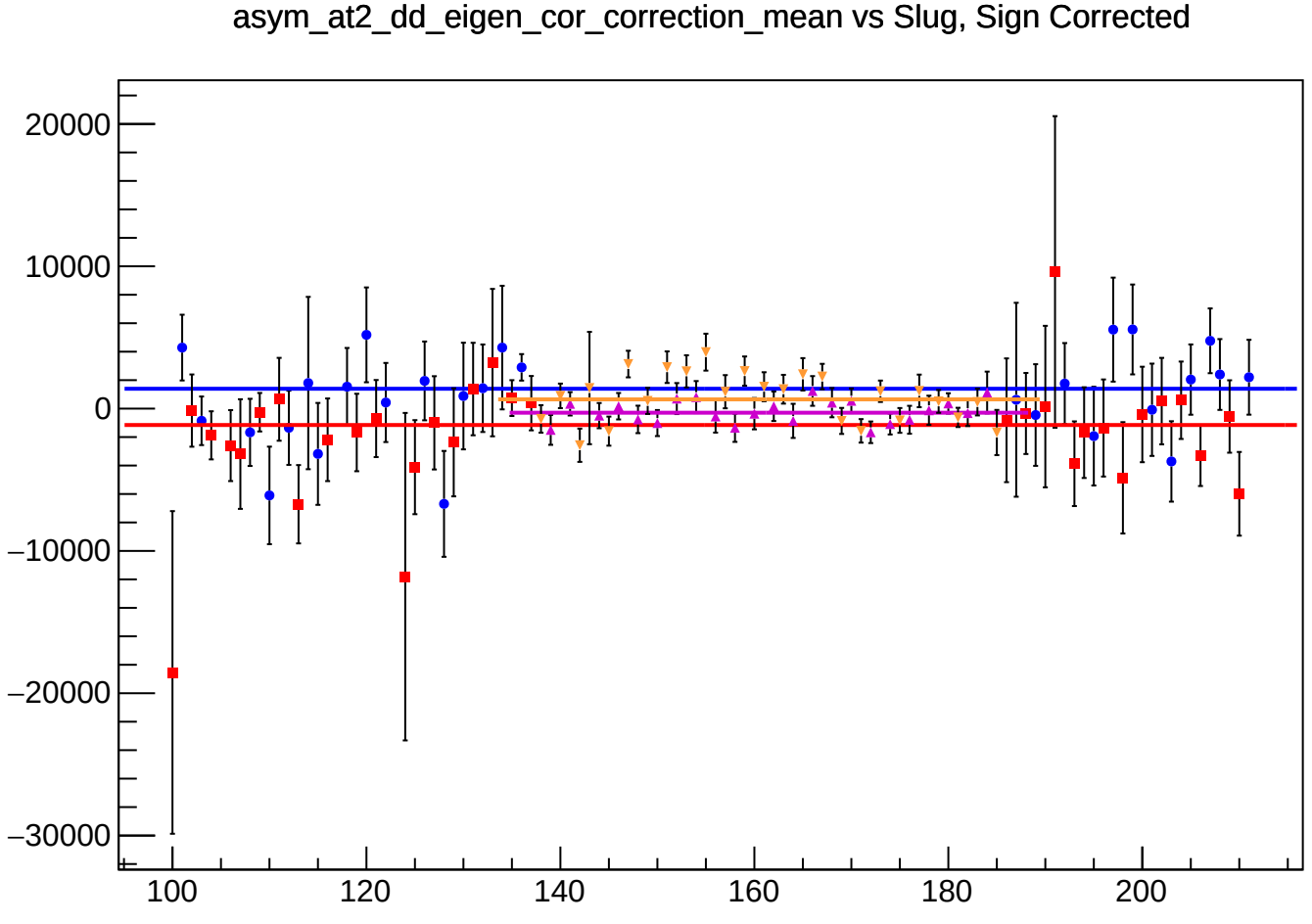
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1684.343+/-0.205 χ^2/NDF: 1221157.9/60

In: 1681.834+/-0.202 χ^2/NDF:671696.4/50

Out: 1693.734+/-0.198 χ^2/NDF:1210113.8/57

All: 1687.901+/-0.142 χ^2/NDF: 1883576.7/10



Right In: 1395.590+/-479.135 χ^2/NDF: 32.0/27

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1152.375+/-464.866 χ^2/NDF: 21.8/32

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

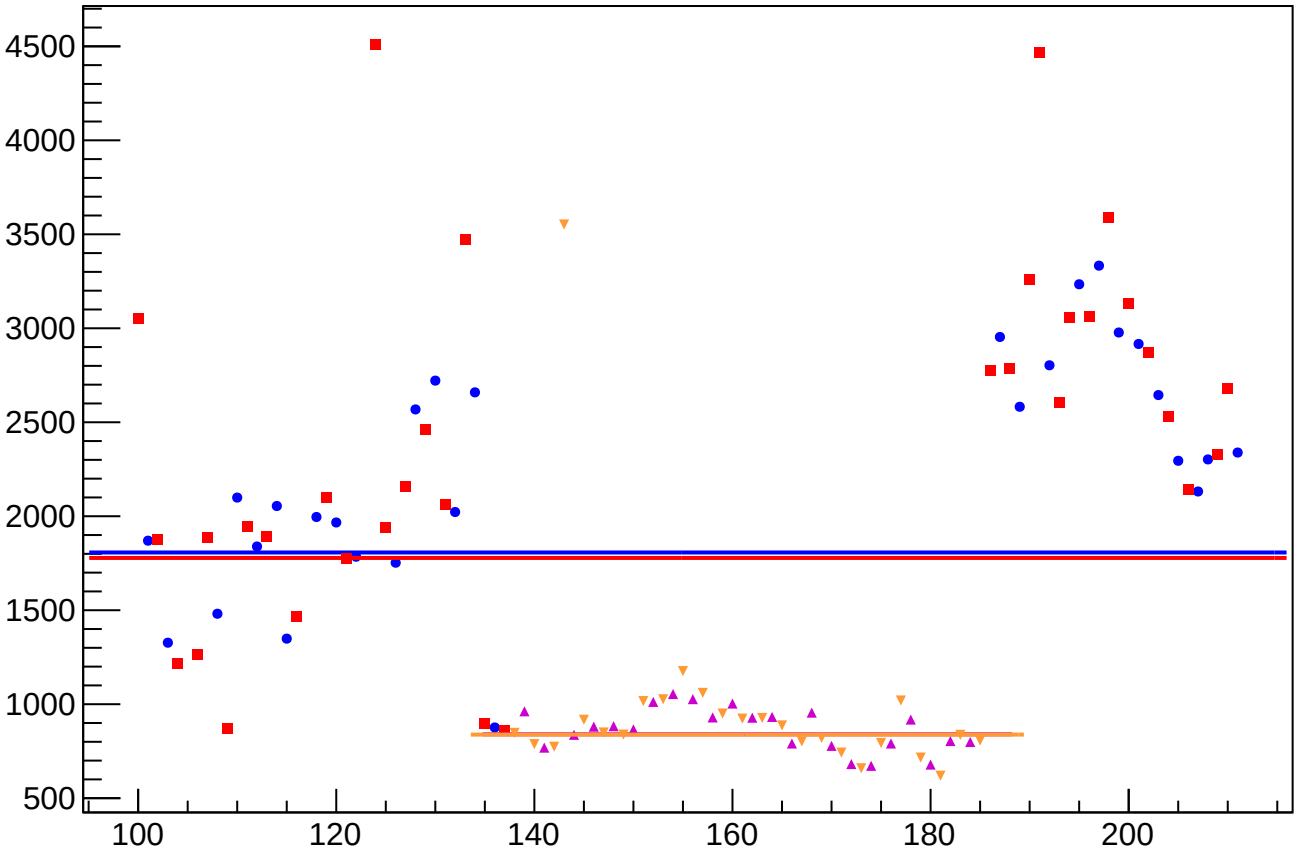
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 83.104+/-333.640 χ^2/NDF: 68.4/60

In: -41.893+/-183.381 χ^2/NDF:59.1/50

Out: 378.016+/-180.347 χ^2/NDF:100.1/57

All: 171.563+/-128.584 χ^2/NDF: 161.9/108



Right In: 1807.226+/-0.339 χ^2/NDF: 4603424.2/27

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1778.171+/-0.329 χ^2/NDF: 6059282.4/32

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

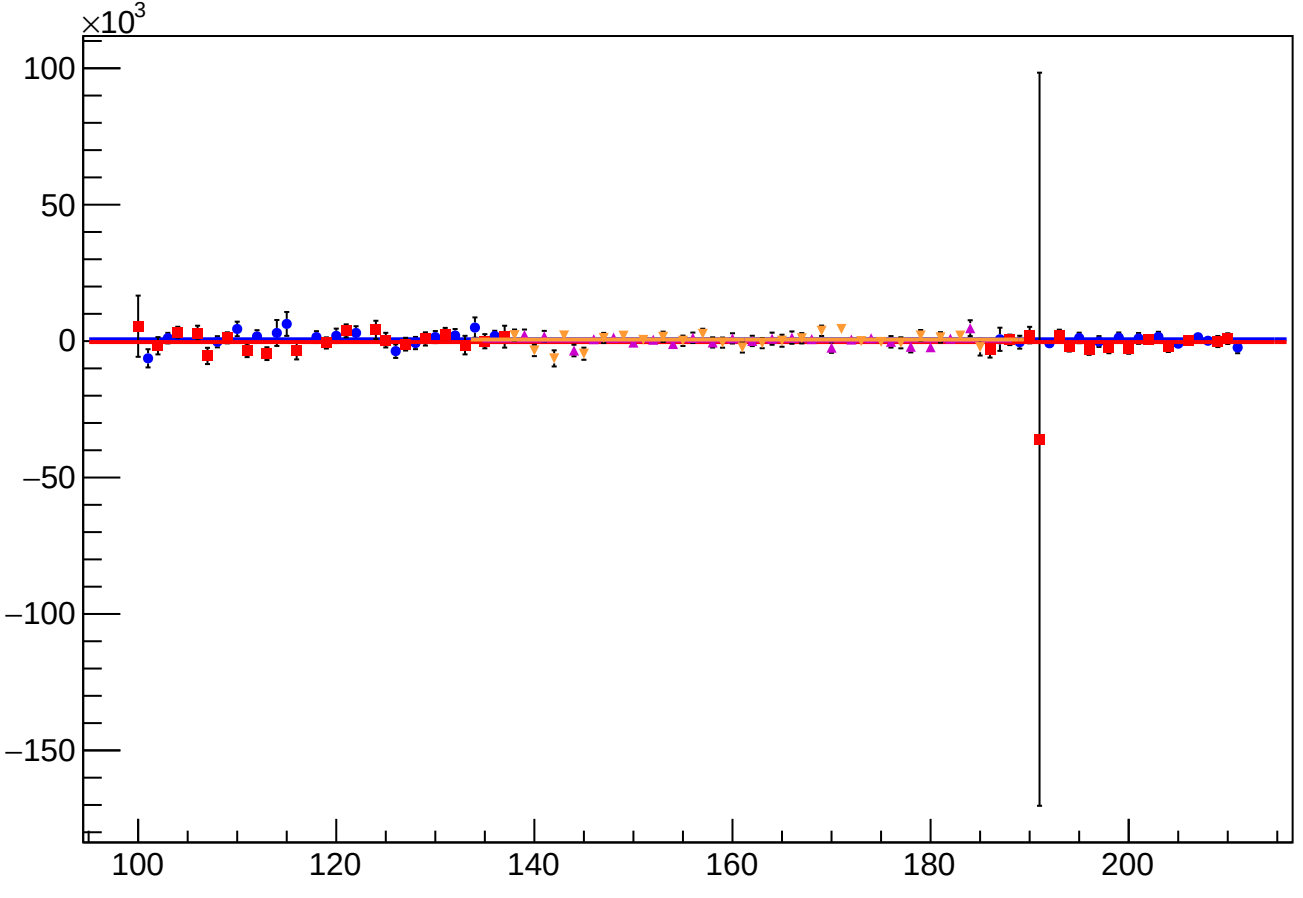
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1792.259+/-0.236 χ^2/NDF: 10666495.2/60

In: 981.666+/-0.130 χ^2/NDF:12229433.4/50

Out: 979.720+/-0.128 χ^2/NDF:14805049.2/57

All: 980.677+/-0.091 χ^2/NDF: 27034597.0/10



Right In: 665.144+/-418.209 χ^2/NDF: 20.1/27

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -352.818+/-405.785 χ^2/NDF: 31.5/32

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

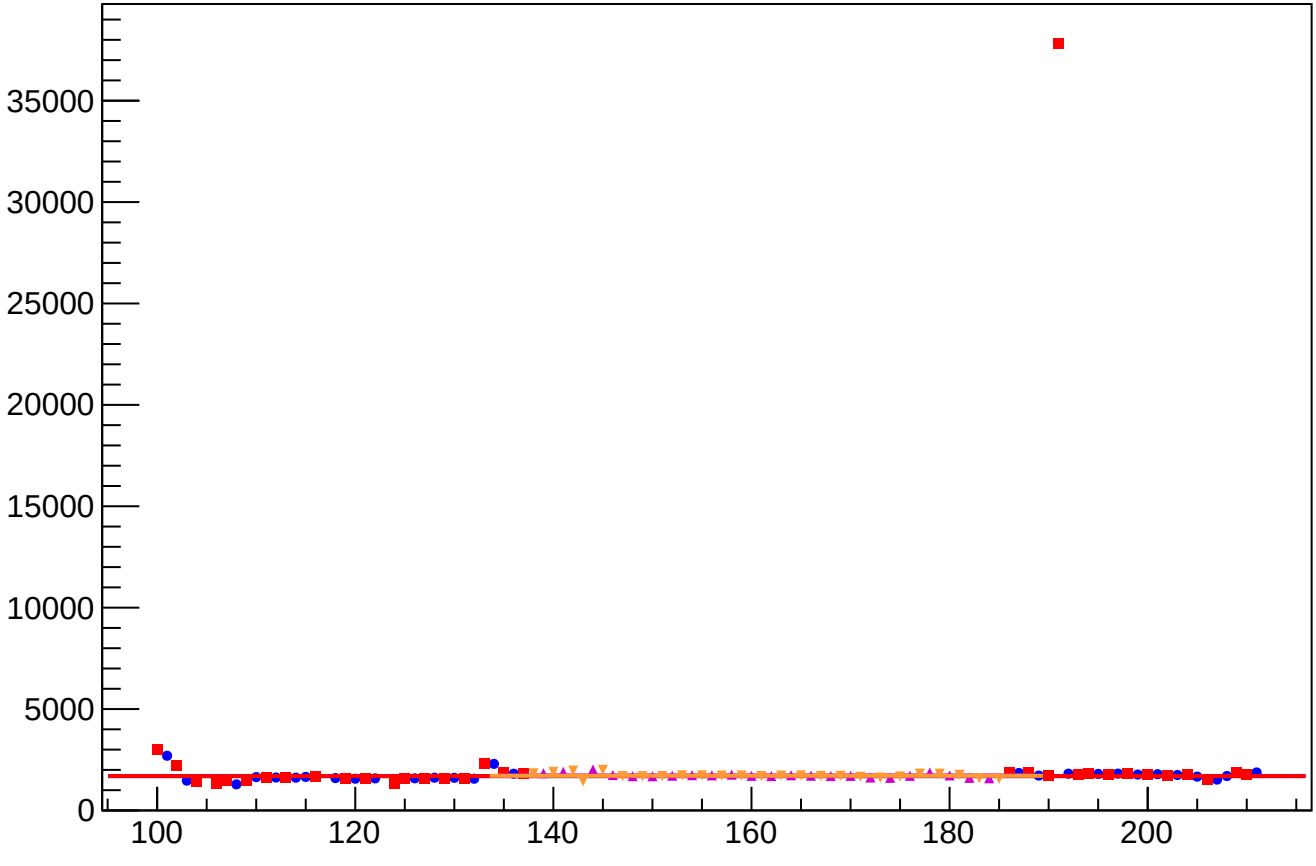
Right: 140.818+/-291.226 χ^2/NDF: 54.7/60

In: 417.265+/-290.599 χ^2/NDF:35.2/50

Out: 132.518+/-281.100 χ^2/NDF:66.2/57

All: 270.161+/-202.042 χ^2/NDF: 102.0/108

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1692.380+/-0.296 χ^2/NDF: 450921.3/27

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1694.772+/-0.287 χ^2/NDF: 574286.1/32

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

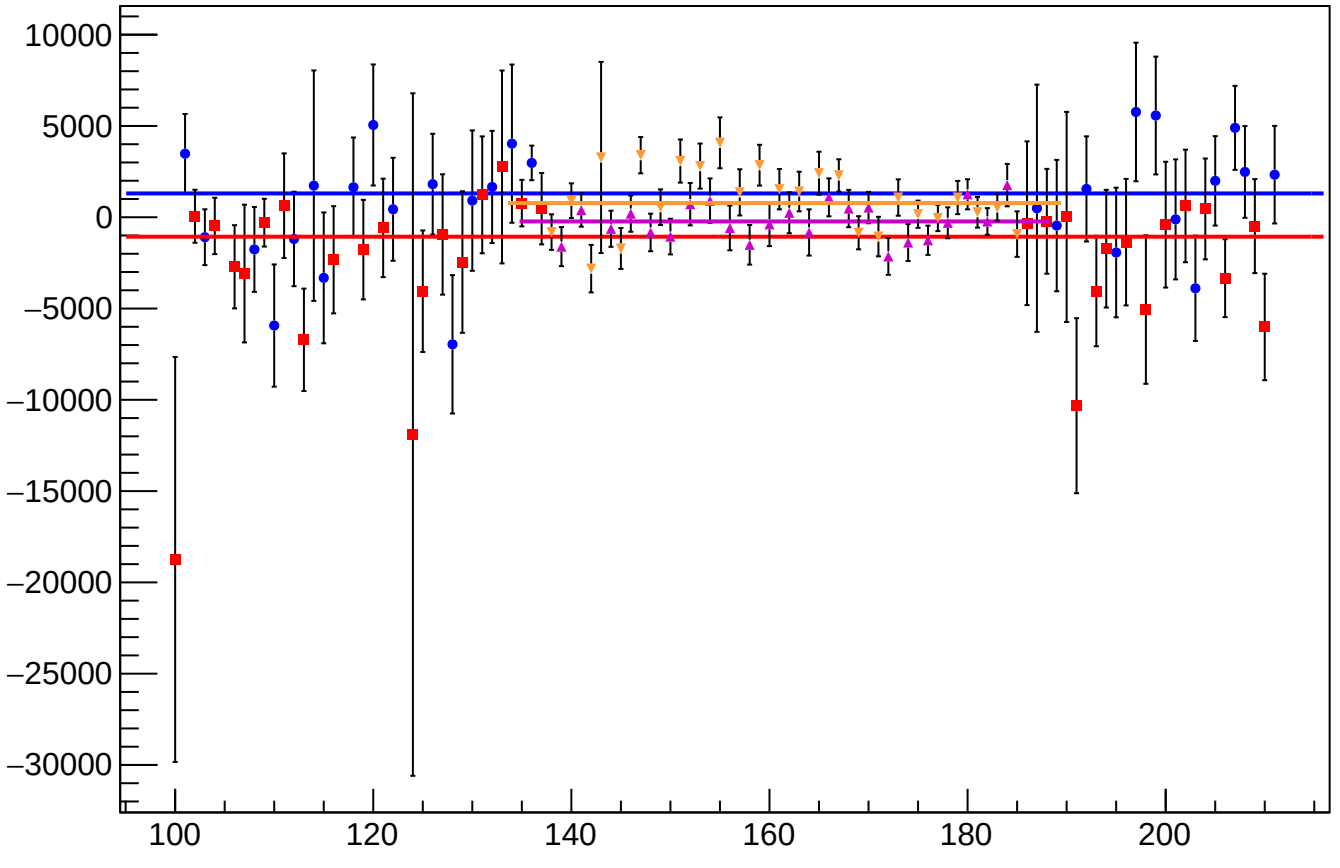
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1693.612+/-0.206 χ^2/NDF: 1025241.1/60

In: 1710.756+/-0.205 χ^2/NDF:558614.6/50

Out: 1703.583+/-0.199 χ^2/NDF:744105.2/57

All: 1707.050+/-0.143 χ^2/NDF: 1303349.4/10



Right In: 1304.719+/-477.147 χ^2/NDF: 32.7/27

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -1064.542+/-444.902 χ^2/NDF: 24.7/32

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

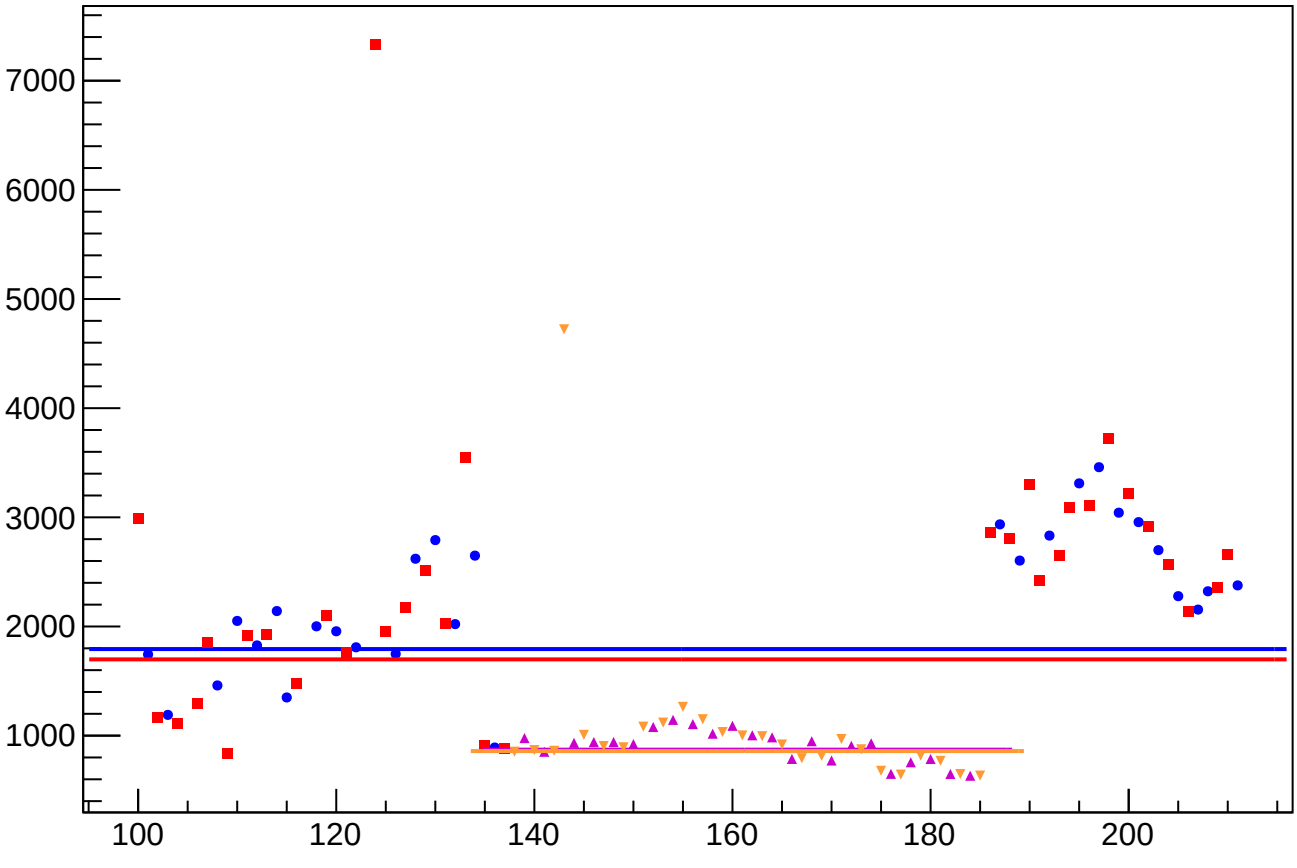
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 37.335+/-325.396 χ^2/NDF: 70.6/60

In: 13.451+/-189.671 χ^2/NDF:64.0/50

Out: 464.822+/-183.658 χ^2/NDF:93.5/57

All: 246.404+/-131.940 χ^2/NDF: 160.4/108



Right In: 1793.083+/-0.337 χ^2/NDF: 4785370.2/27

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1698.616+/-0.315 χ^2/NDF: 6668620.5/32

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

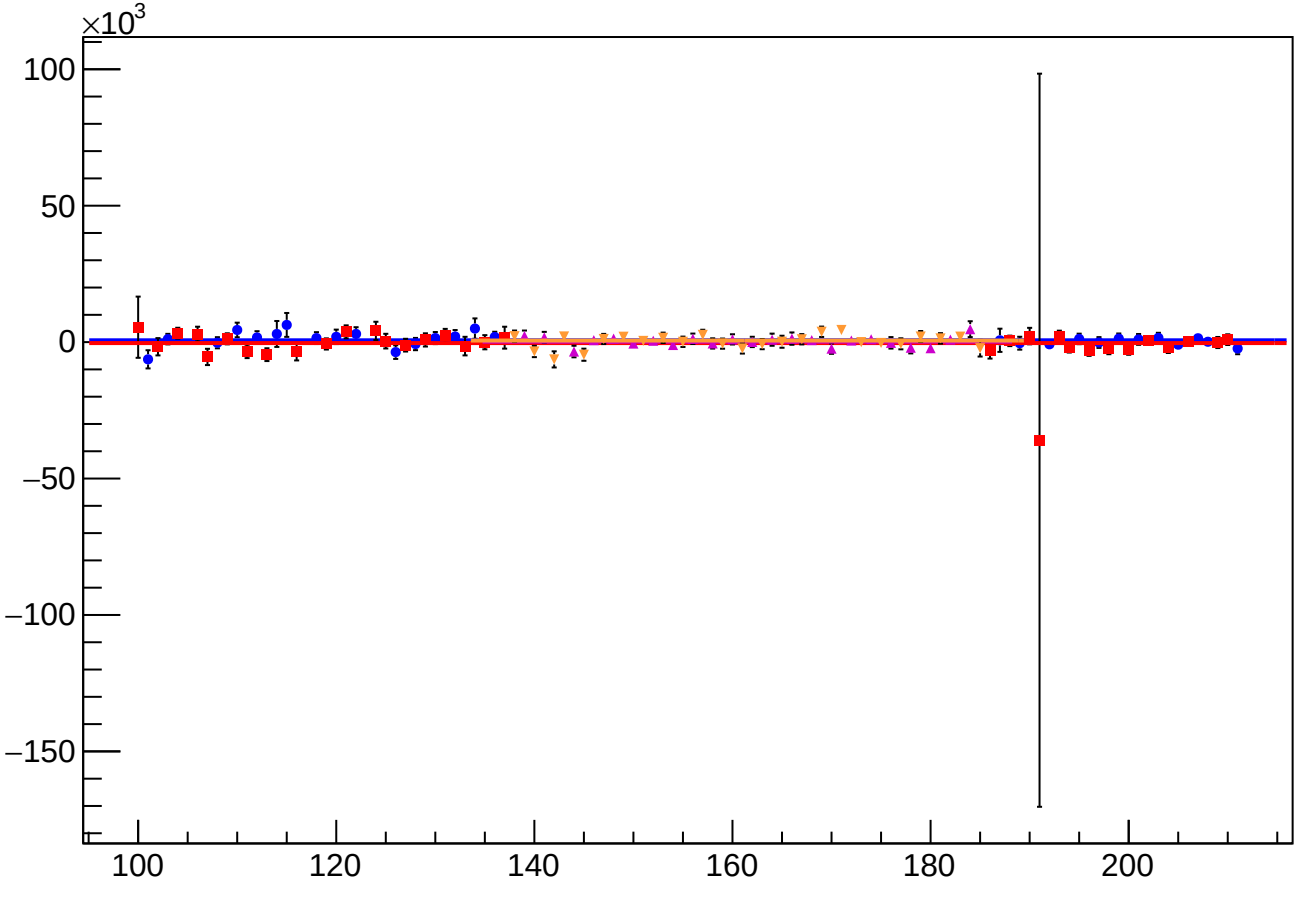
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1742.550+/-0.230 χ^2/NDF: 11495925.9/60

In: 1017.145+/-0.134 χ^2/NDF:12046376.8/50

Out: 1001.740+/-0.130 χ^2/NDF:14863292.1/57

All: 1009.195+/-0.093 χ^2/NDF: 26916478.0/1



Right In: 665.141+/-418.209 χ^2/NDF: 20.1/27

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -352.815+/-405.785 χ^2/NDF: 31.5/32

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

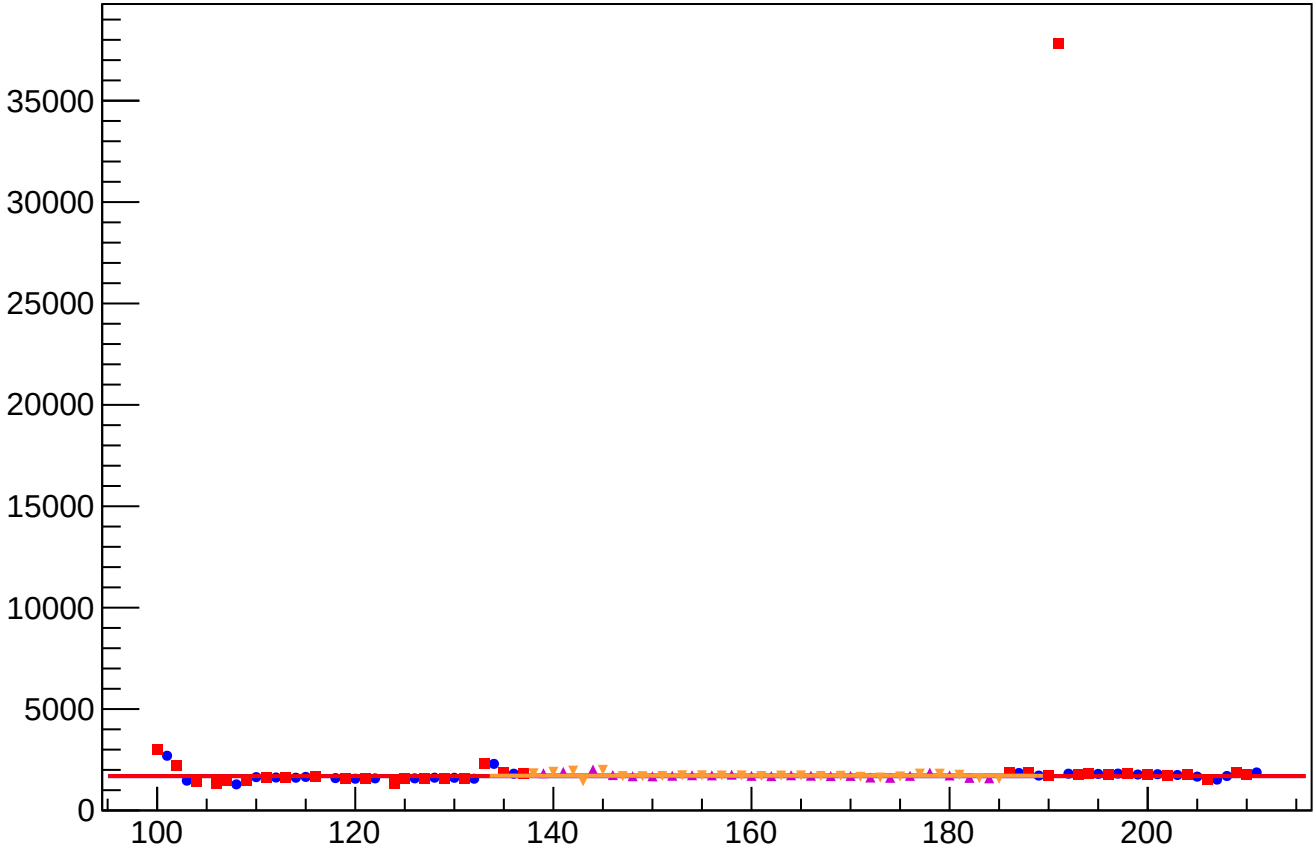
Right: 140.818+/-291.226 χ^2/NDF: 54.7/60

In: 417.264+/-290.599 χ^2/NDF:35.2/50

Out: 132.517+/-281.100 χ^2/NDF:66.2/57

All: 270.160+/-202.042 χ^2/NDF: 102.0/108

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1692.380+/-0.296 χ^2/NDF: 450921.2/27

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1694.772+/-0.287 χ^2/NDF: 574286.2/32

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

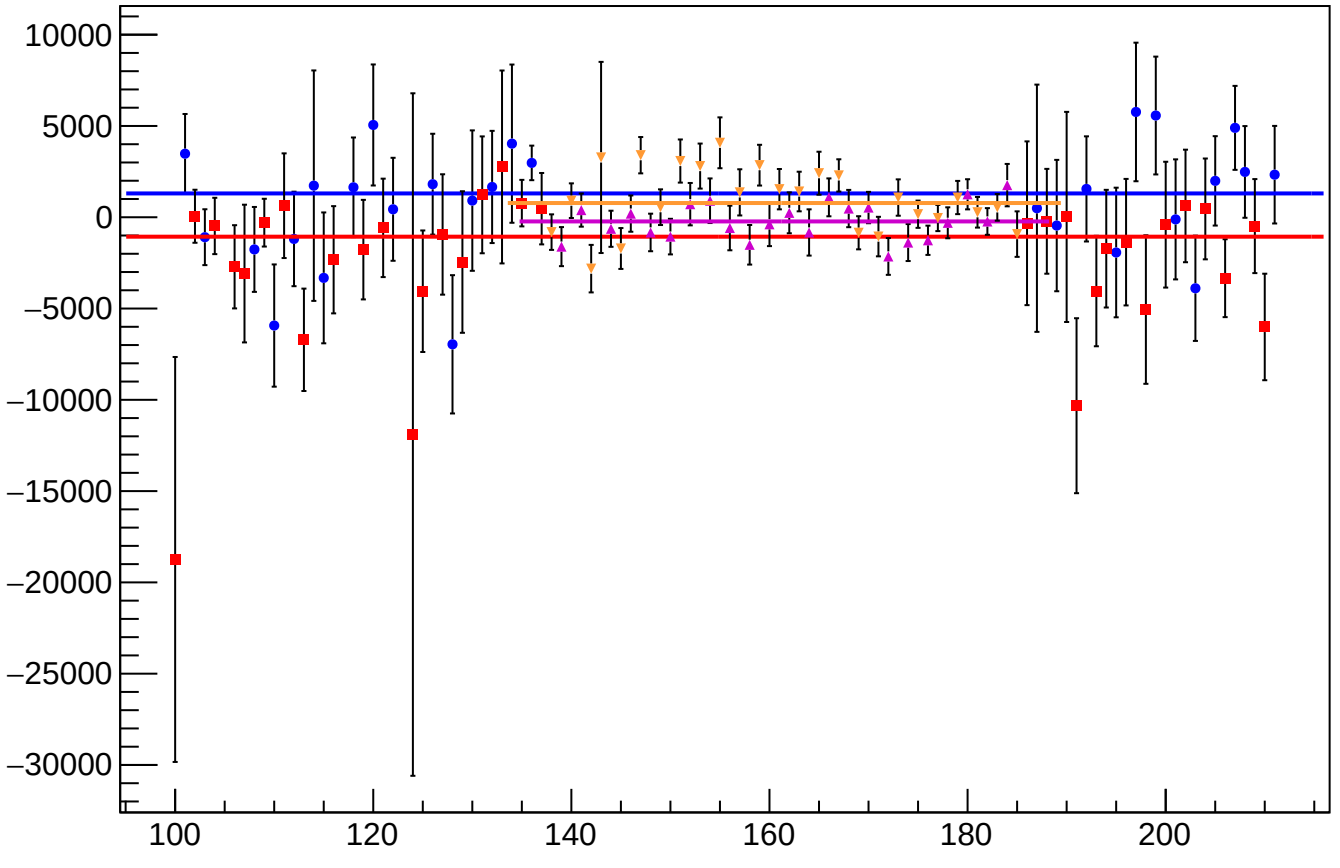
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1693.612+/-0.206 χ^2/NDF: 1025241.2/60

In: 1710.756+/-0.205 χ^2/NDF:558614.3/50

Out: 1703.583+/-0.199 χ^2/NDF:744104.1/57

All: 1707.050+/-0.143 χ^2/NDF: 1303348.0/10



Right In: 1304.715+/-477.149 χ^2/NDF: 32.7/27

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -1064.556+/-444.905 χ^2/NDF: 24.7/32

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

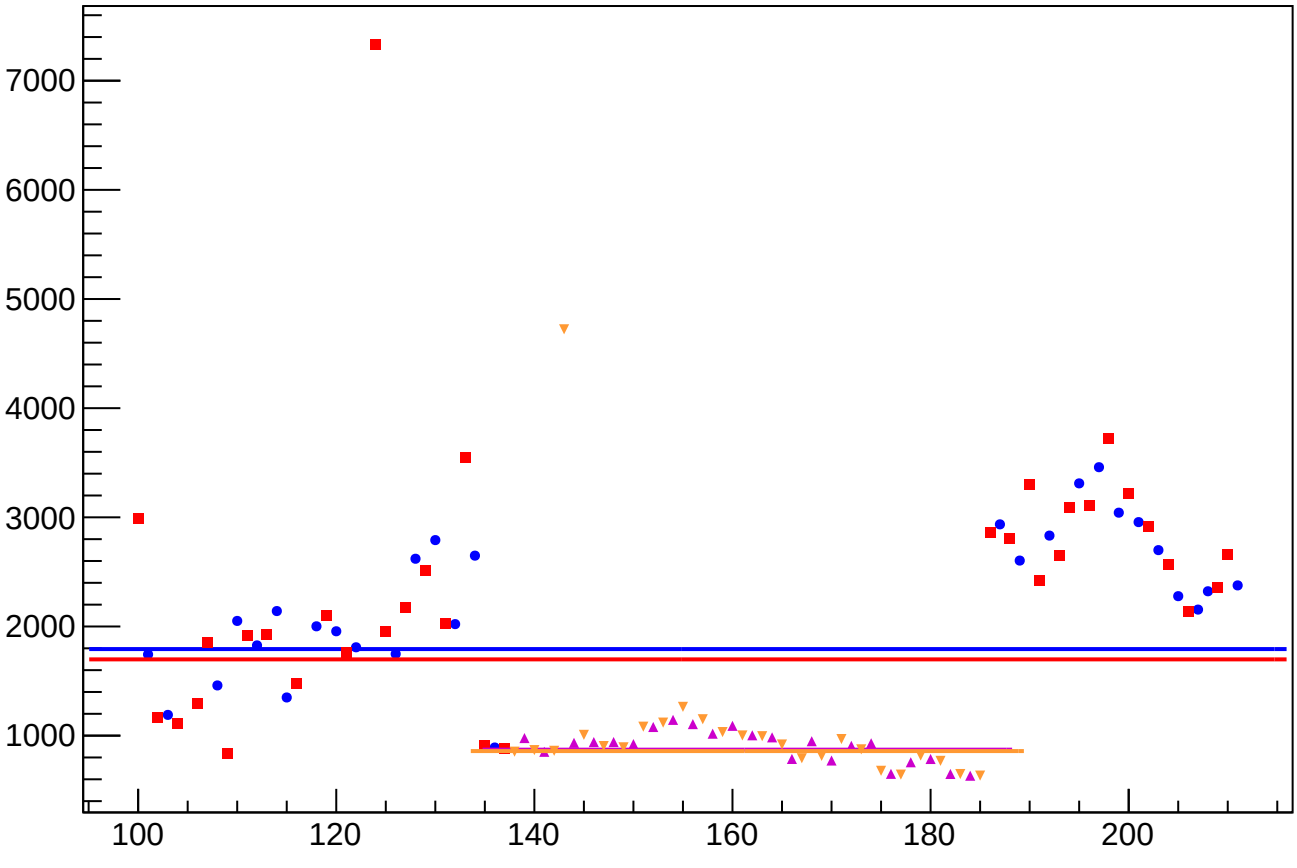
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 37.326+/-325.398 χ^2/NDF: 70.6/60

In: 13.450+/-189.671 χ^2/NDF:64.0/50

Out: 464.825+/-183.659 χ^2/NDF:93.5/57

All: 246.404+/-131.940 χ^2/NDF: 160.4/108



Right In: 1793.096+/-0.337 χ^2/NDF: 4785196.7/27

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1698.629+/-0.315 χ^2/NDF: 6668466.0/32

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

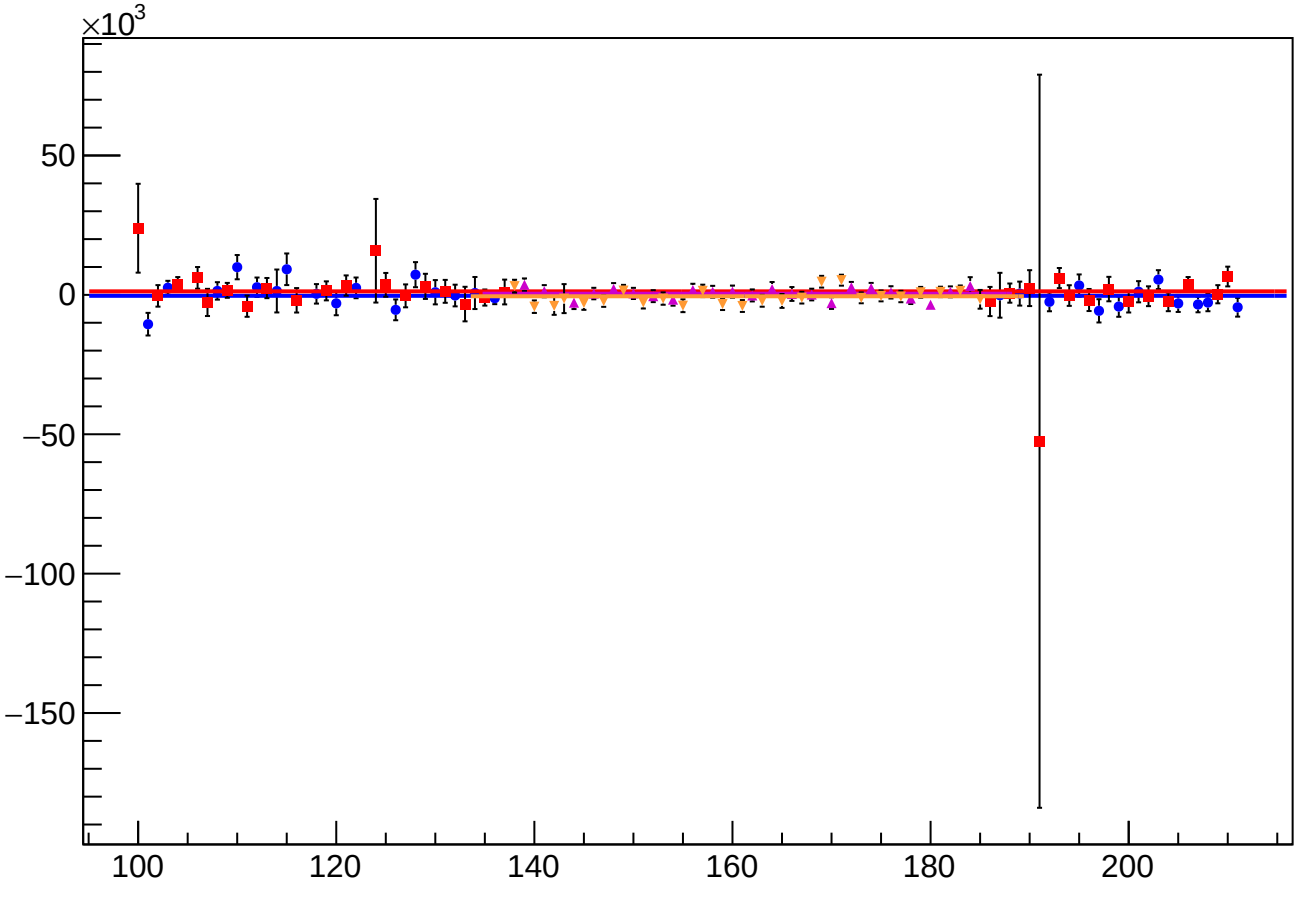
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1742.563+/-0.230 χ^2/NDF: 11495597.7/60

In: 1017.145+/-0.134 χ^2/NDF:12046361.3/50

Out: 1001.741+/-0.130 χ^2/NDF:14863264.3/57

All: 1009.195+/-0.093 χ^2/NDF: 26916433.5/1



Right In: -336.379+/-683.016 χ^2/NDF: 34.5/27

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1262.513+/-669.957 χ^2/NDF: 19.9/32

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

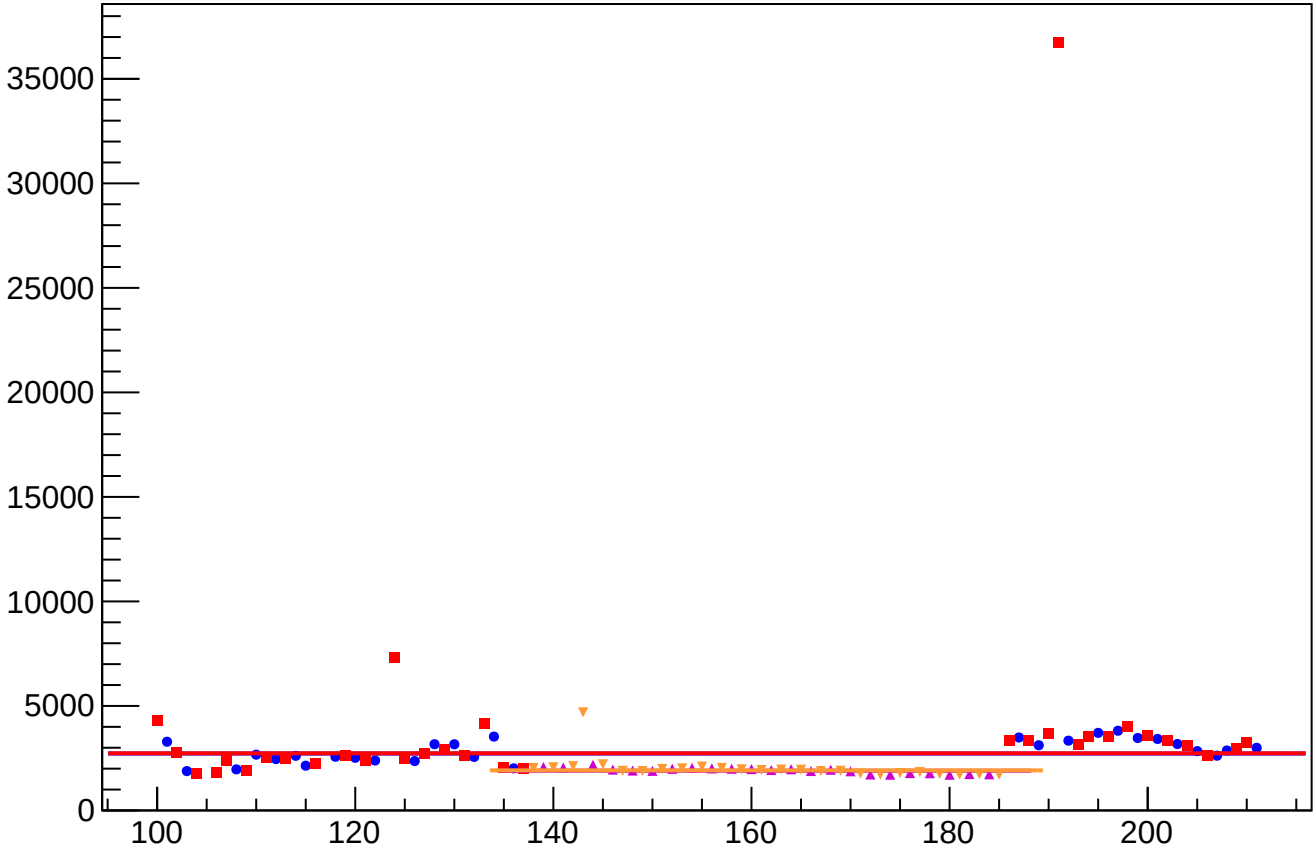
Right: 478.498+/-478.281 χ^2/NDF: 57.1/60

In: 188.816+/-372.597 χ^2/NDF:54.2/50

Out: 29.932+/-367.726 χ^2/NDF:60.6/57

All: 108.329+/-261.727 χ^2/NDF: 114.9/108

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2722.556+/-0.483 χ^2/NDF: 1336792.7/27

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2733.907+/-0.474 χ^2/NDF: 1999787.4/32

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

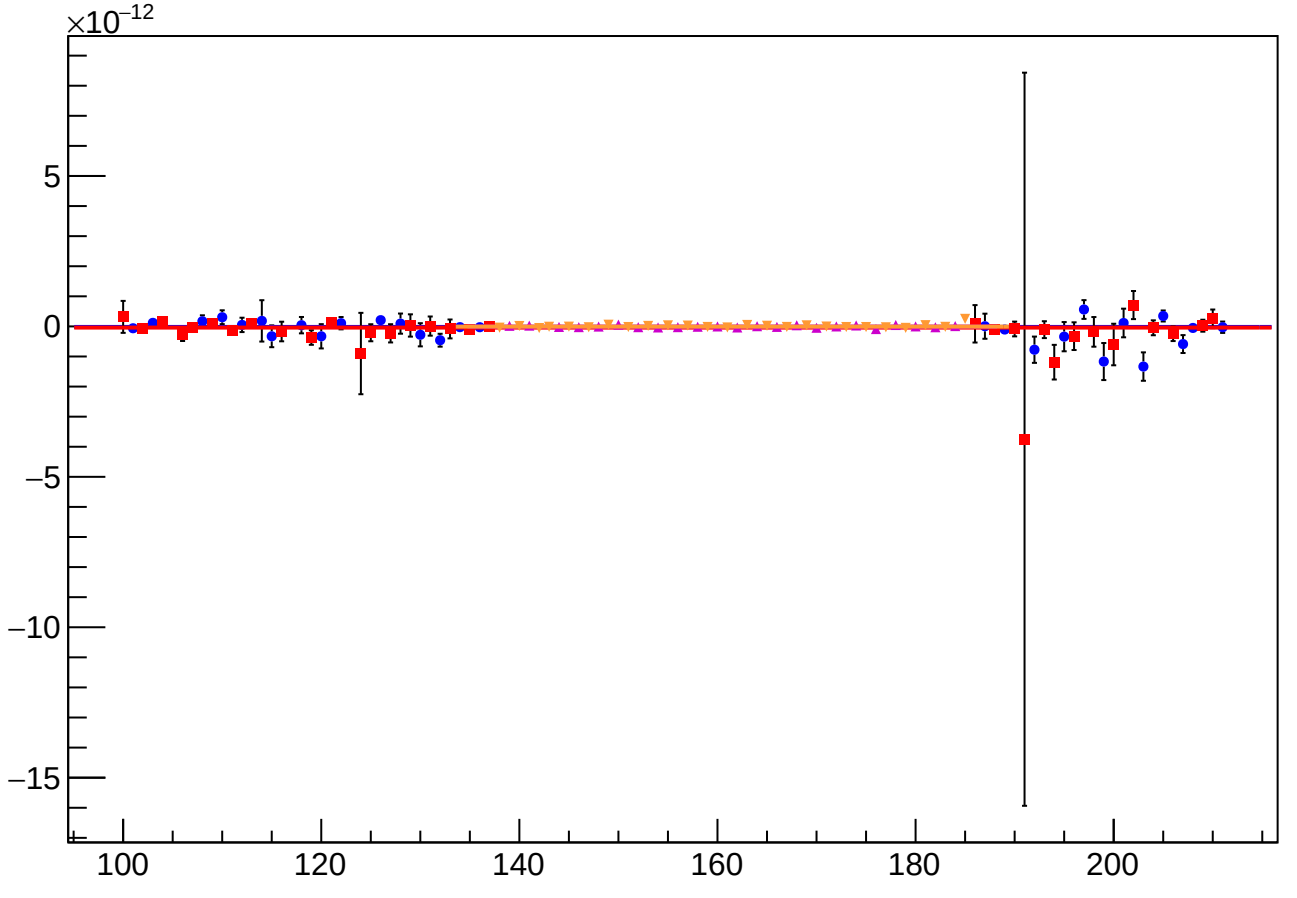
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2728.341+/-0.338 χ^2/NDF: 3336861.6/60

In: 2144.253+/-0.263 χ^2/NDF:3551380.5/50

Out: 2163.221+/-0.260 χ^2/NDF:4833125.8/57

All: 2153.862+/-0.185 χ^2/NDF: 8387132.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/32

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

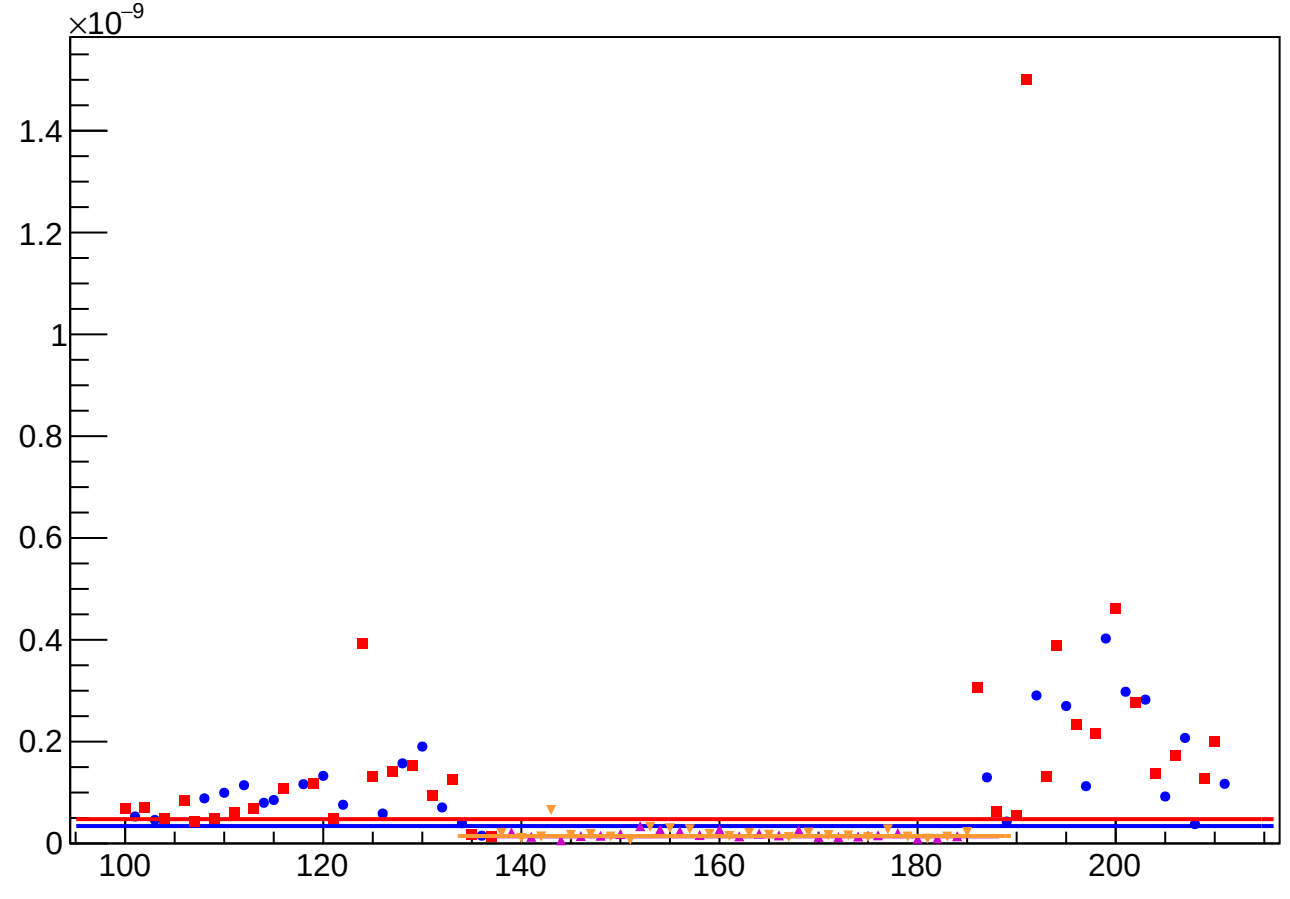
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 66.7/60

In: -0.000+/-0.000 χ^2/NDF:66.5/50

Out: -0.000+/-0.000 χ^2/NDF:55.1/57

All: -0.000+/-0.000 χ^2/NDF: 121.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 7462475.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7392519.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

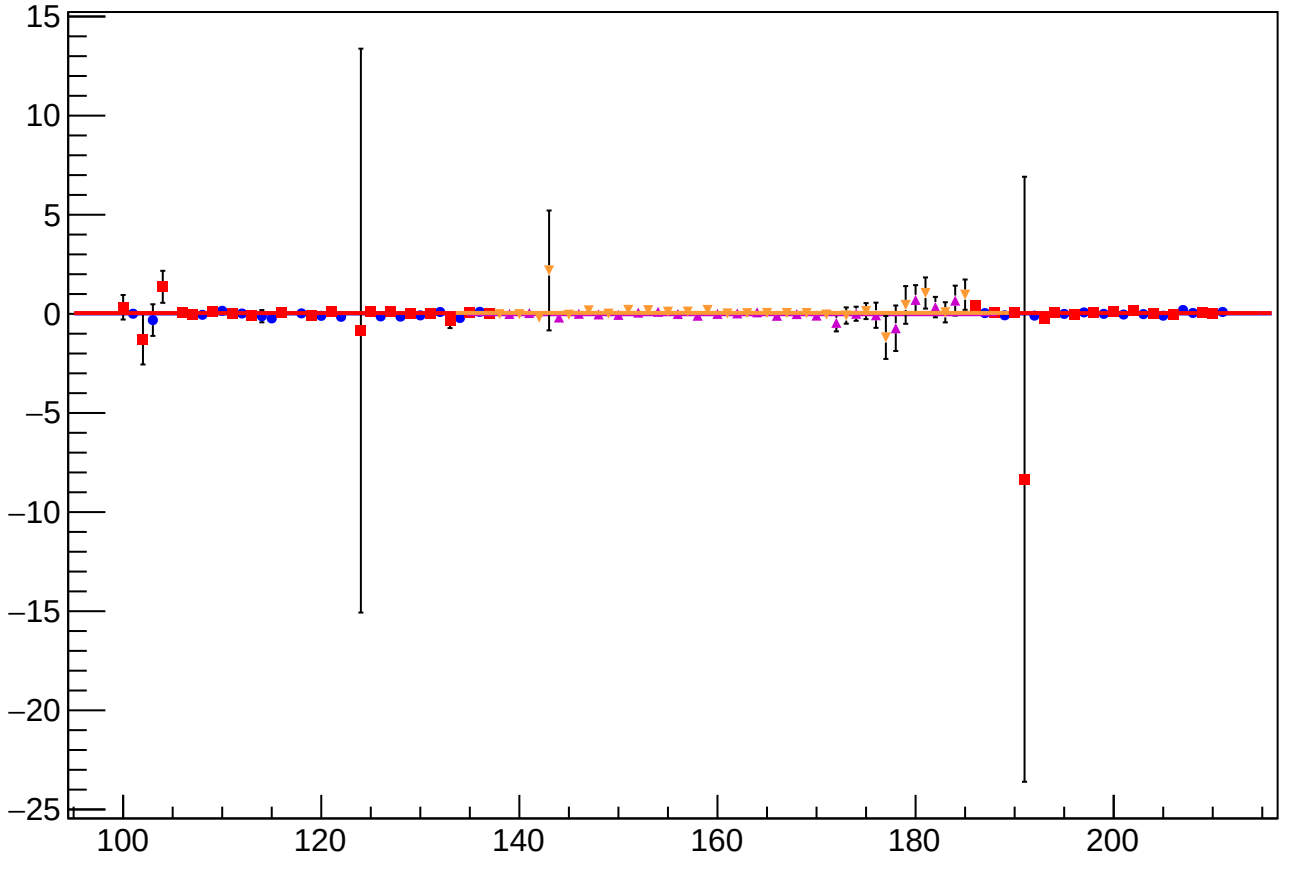
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15184041.3/60

In: 0.000+/-0.000 χ^2/NDF:11138482.3/50

Out: 0.000+/-0.000 χ^2/NDF:12328114.5/57

All: 0.000+/-0.000 χ^2/NDF: 23484256.1/108



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.039+/-0.018 χ^2/NDF: 25.5/32

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

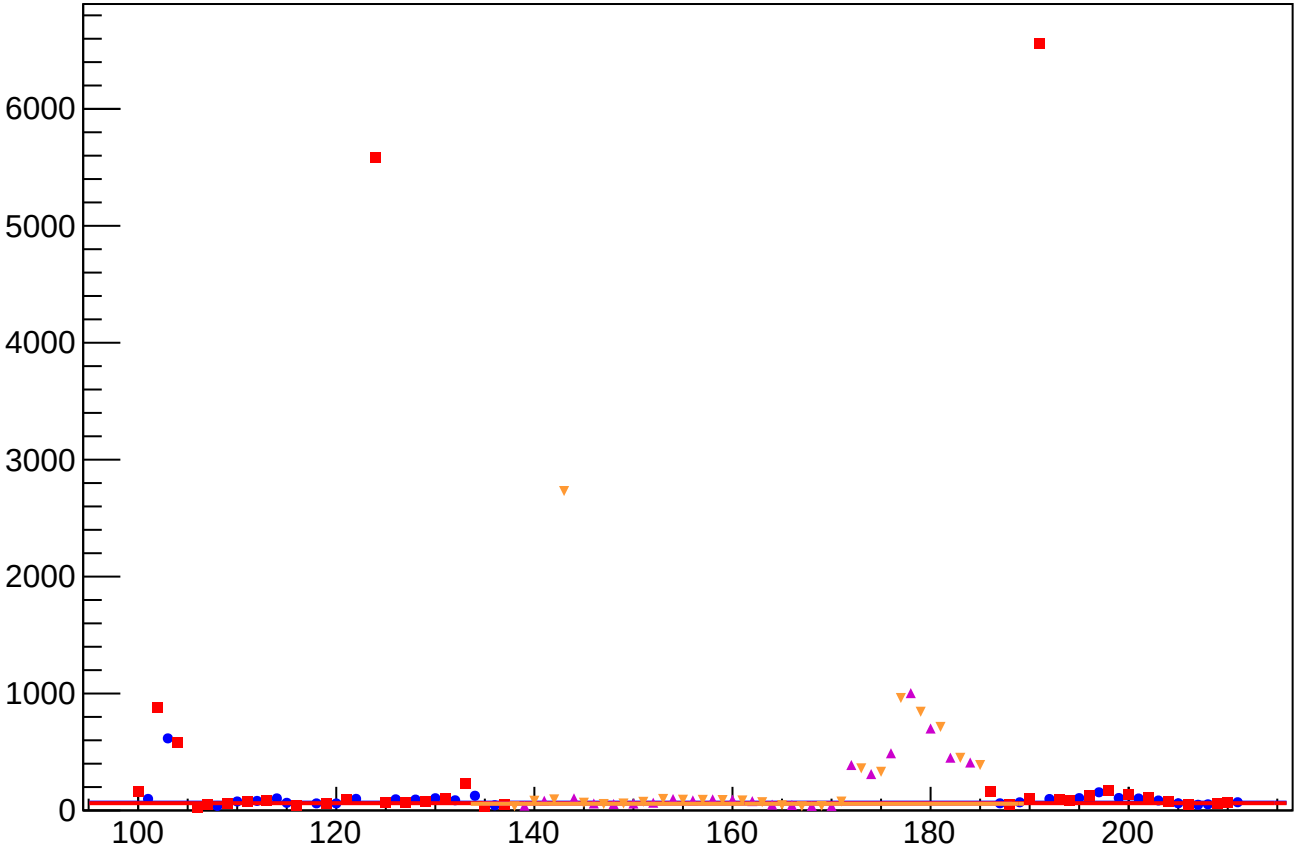
Right: 0.031+/-0.013 χ^2/NDF: 56.0/60

In: -0.000+/-0.013 χ^2/NDF:48.1/50

Out: 0.045+/-0.012 χ^2/NDF:50.2/57

All: 0.023+/-0.009 χ^2/NDF: 104.8/108

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.969+/-0.013 χ^2/NDF: 4207147.9/27

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 62.171+/-0.012 χ^2/NDF: 7280845.2/32

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

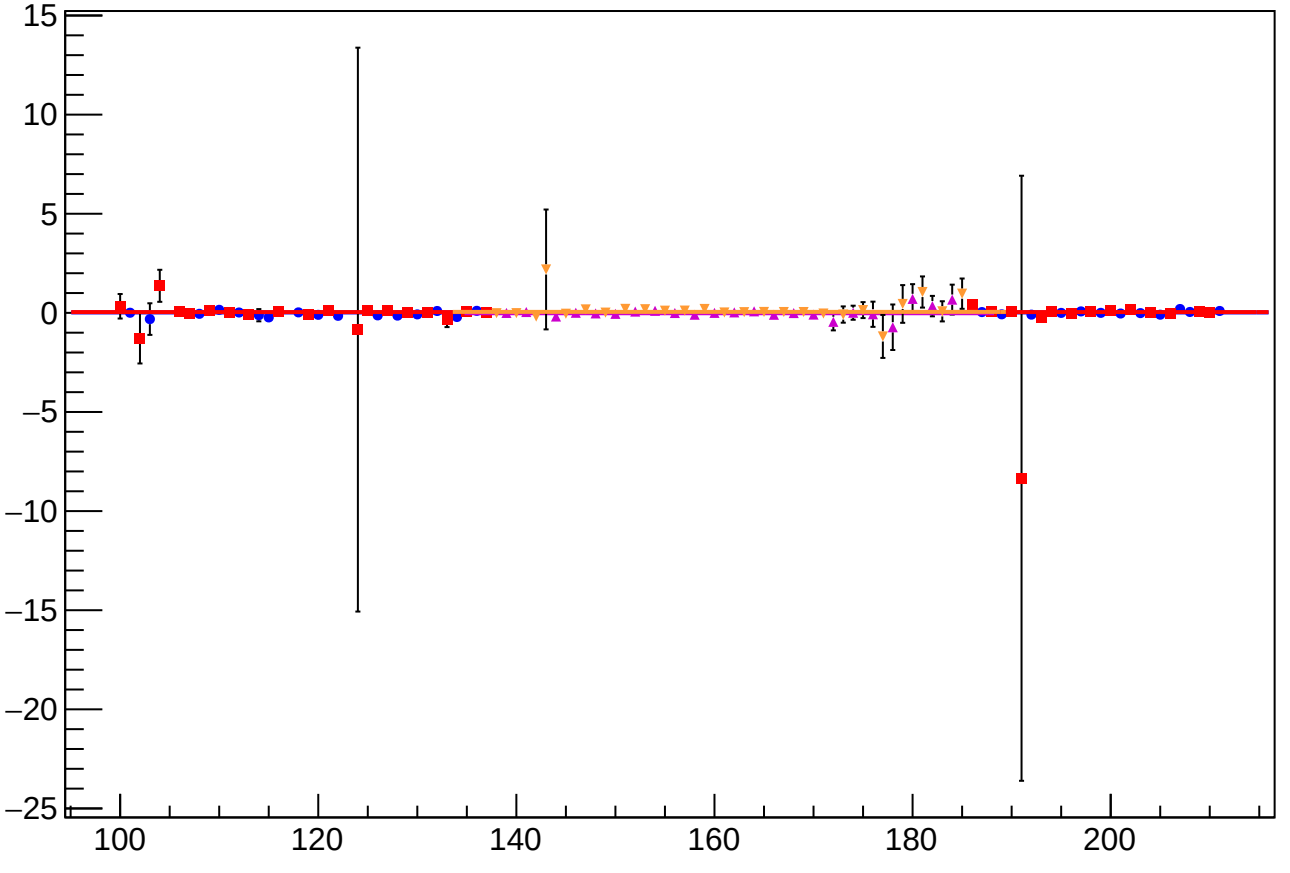
Right: 64.445+/-0.009 χ^2/NDF: 11558990.1/60

In: 62.459+/-0.009 χ^2/NDF:14676628.7/50

Out: 59.644+/-0.009 χ^2/NDF:19683657.2/57

All: 61.012+/-0.006 χ^2/NDF: 34411926.8/108

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.039+/-0.018 χ^2/NDF: 25.5/32

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

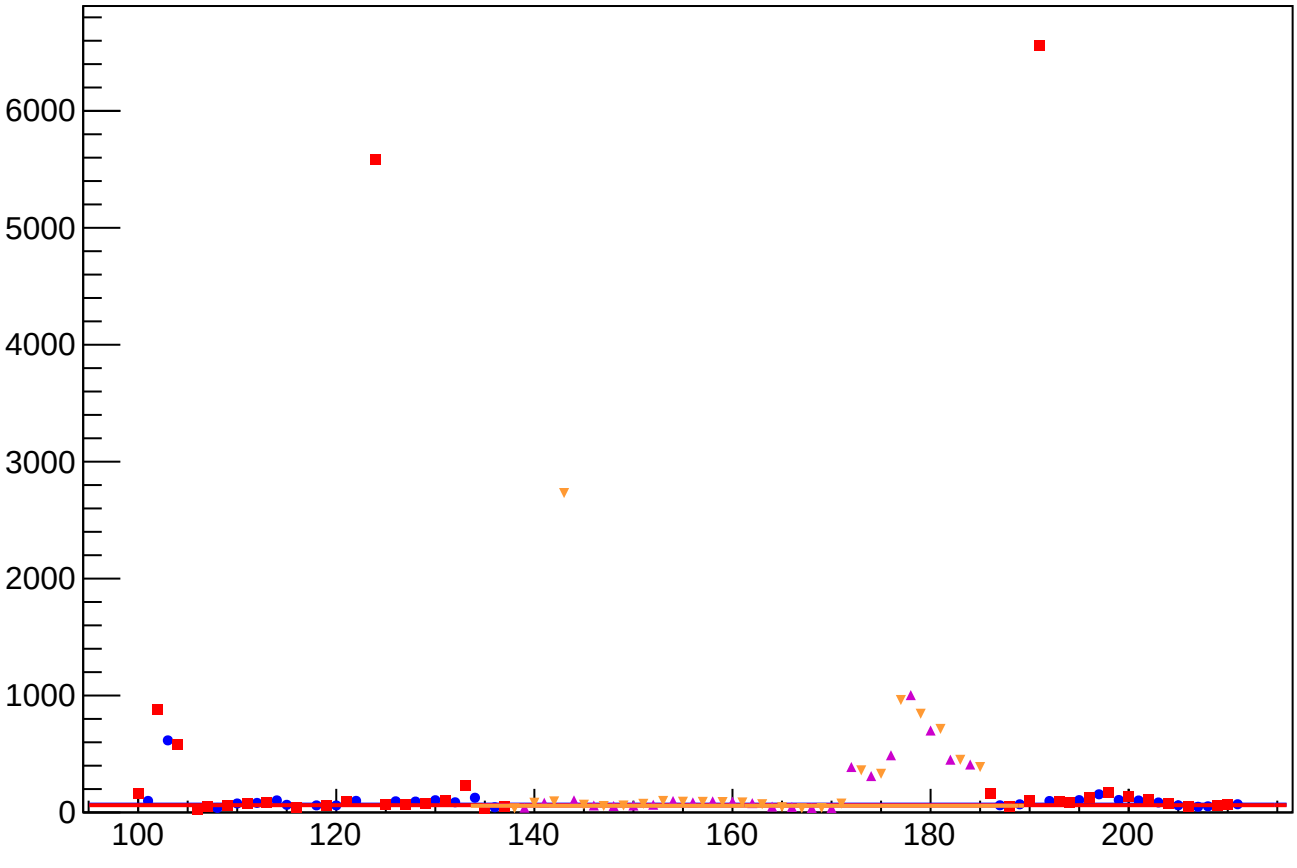
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.031+/-0.013 χ^2/NDF: 56.0/60

In: -0.000+/-0.013 χ^2/NDF:48.1/50

Out: 0.045+/-0.012 χ^2/NDF:50.2/57

All: 0.023+/-0.009 χ^2/NDF: 104.8/108



Right In: 66.969+/-0.013 χ^2/NDF: 4207147.9/27

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 62.171+/-0.012 χ^2/NDF: 7280845.2/32

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

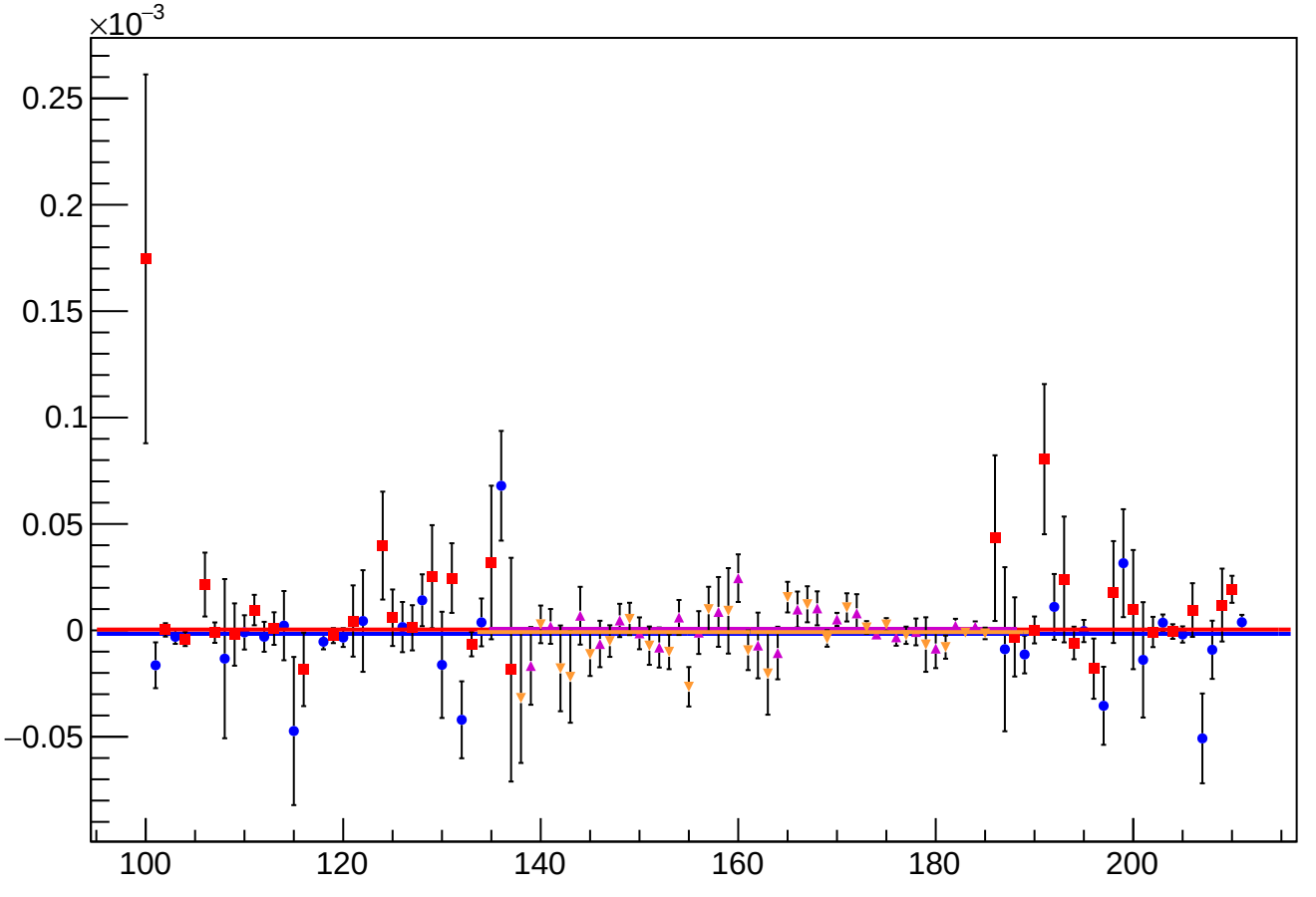
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.445+/-0.009 χ^2/NDF: 11558990.1/60

In: 62.459+/-0.009 χ^2/NDF:14676628.7/50

Out: 59.644+/-0.009 χ^2/NDF:19683657.2/57

All: 61.012+/-0.006 χ^2/NDF: 34411926.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/32

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

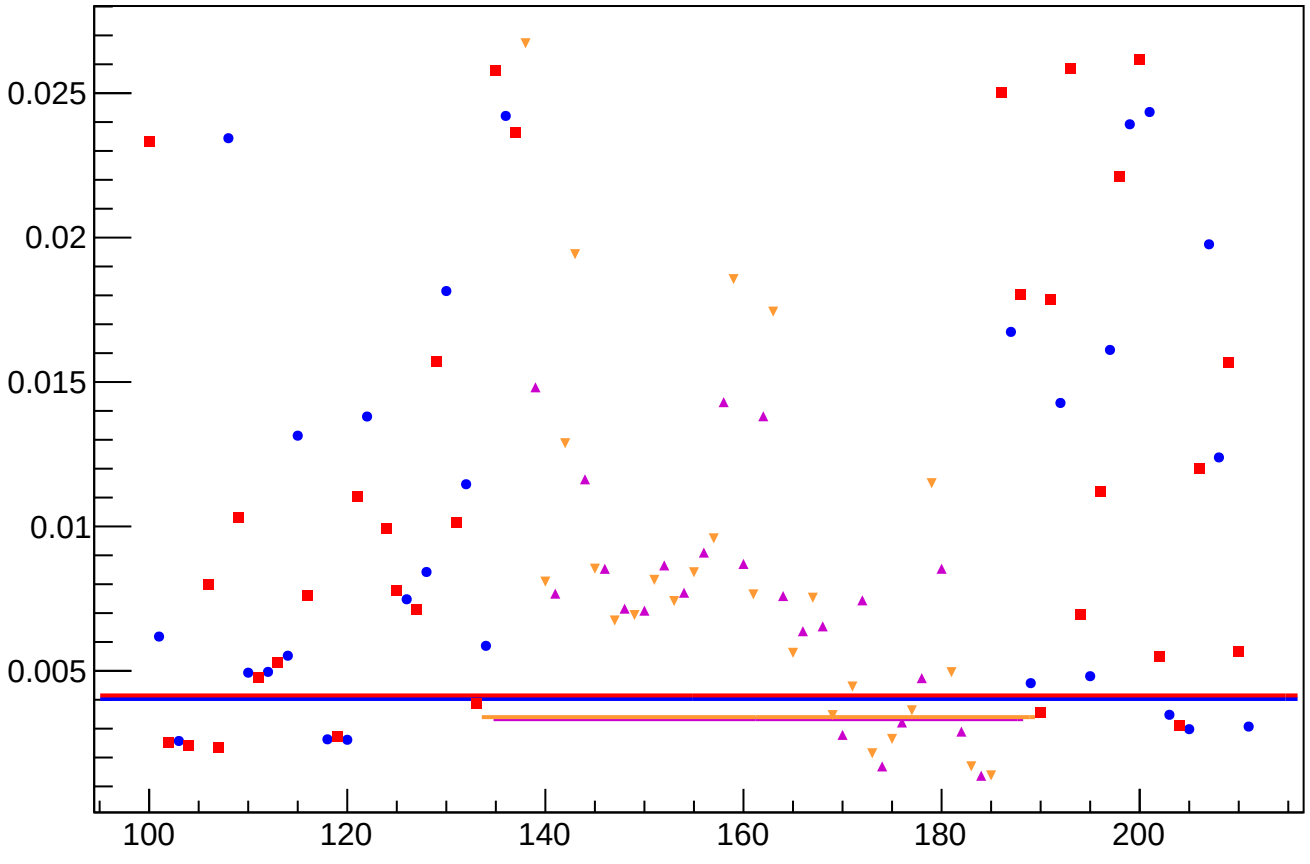
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 78.0/60

In: -0.000+/-0.000 χ^2/NDF:58.0/50

Out: -0.000+/-0.000 χ^2/NDF:72.9/57

All: -0.000+/-0.000 χ^2/NDF: 130.9/108



Right In: 0.004+/-0.000 χ^2/NDF: 11334328.4/27

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13142469.3/32

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

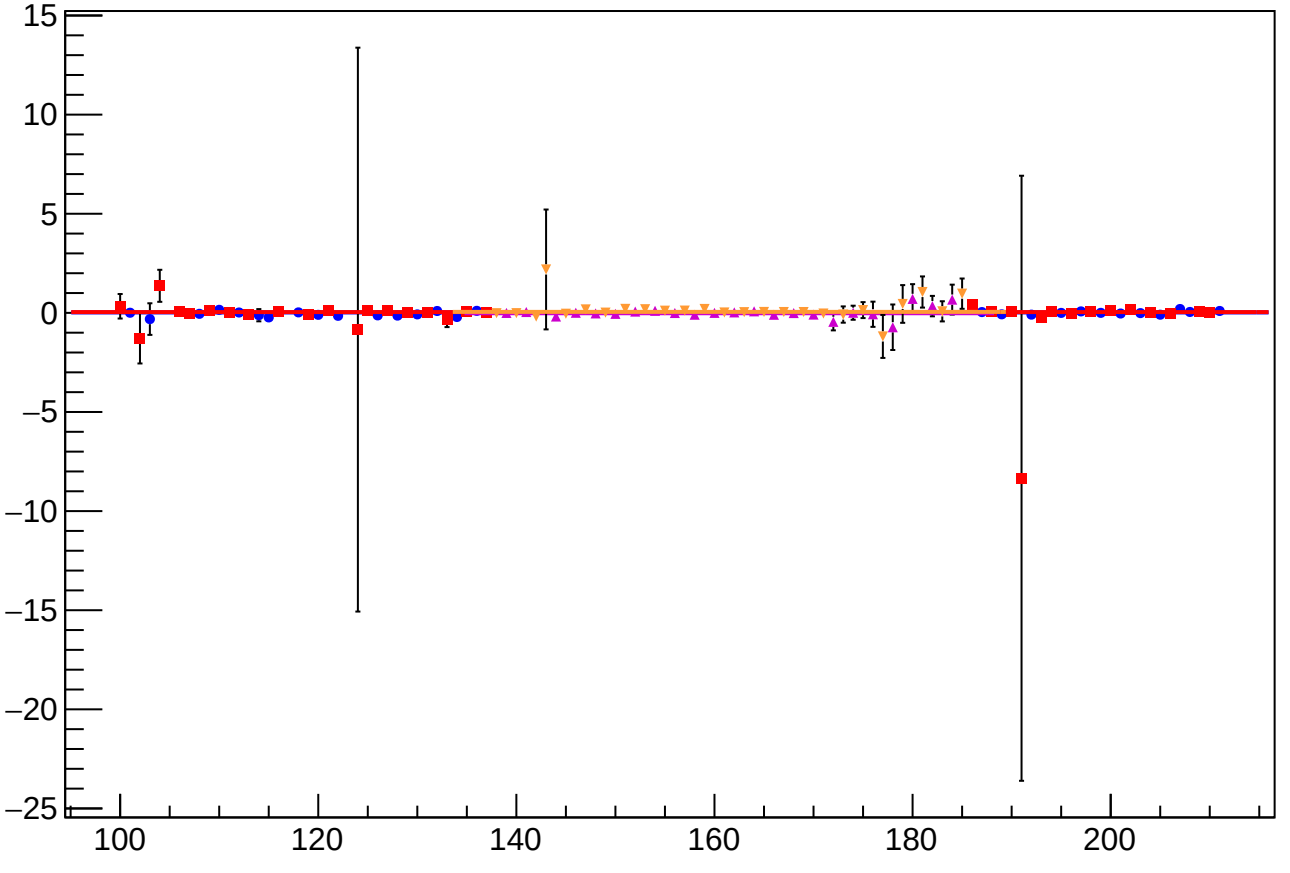
Right: 0.004+/-0.000 χ^2/NDF: 24485748.6/60

In: 0.004+/-0.000 χ^2/NDF:24250698.0/50

Out: 0.004+/-0.000 χ^2/NDF:27813512.5/57

All: 0.004+/-0.000 χ^2/NDF: 52076993.4/108

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.039+/-0.018 χ^2/NDF: 25.5/32

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

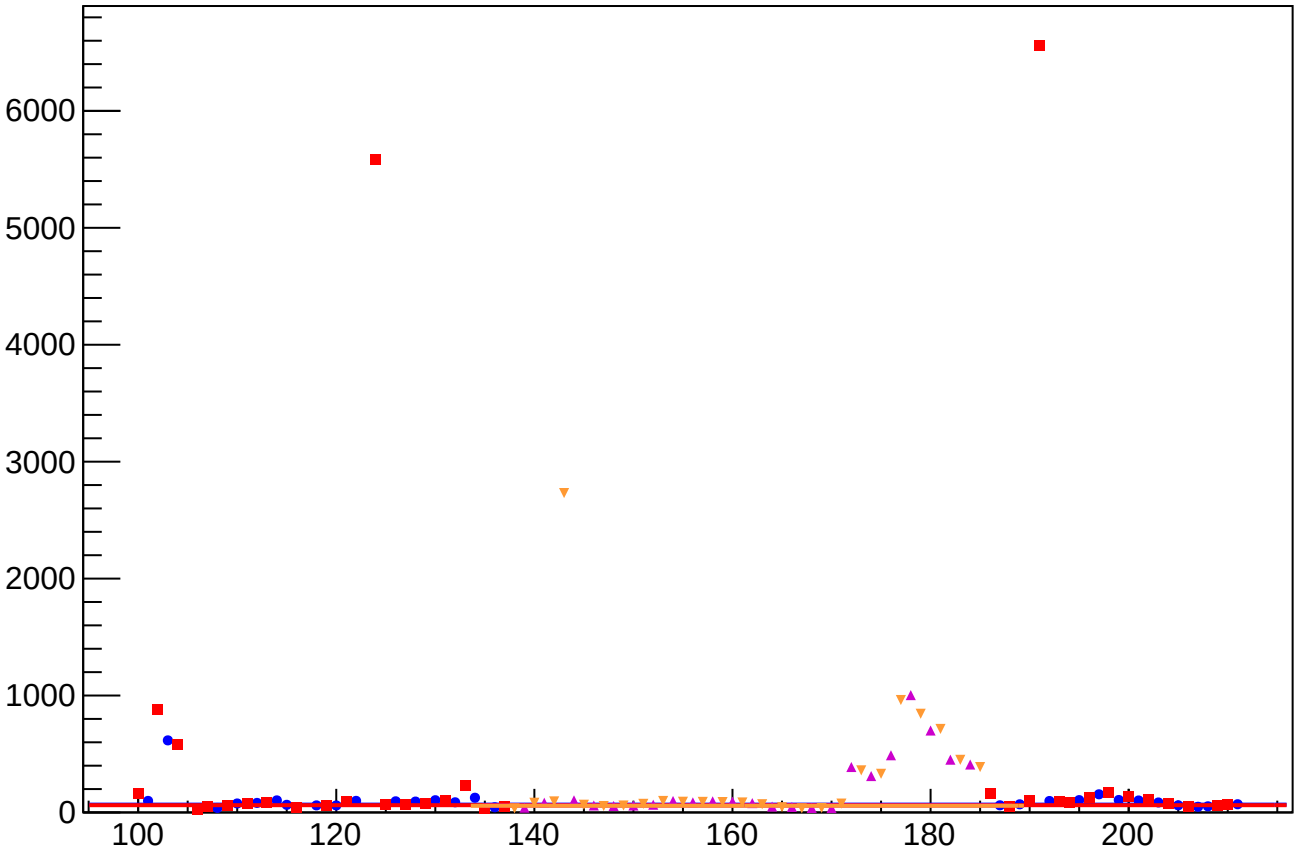
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.031+/-0.013 χ^2/NDF: 56.0/60

In: -0.000+/-0.013 χ^2/NDF:48.1/50

Out: 0.045+/-0.012 χ^2/NDF:50.2/57

All: 0.023+/-0.009 χ^2/NDF: 104.8/108



Right In: 66.973+/-0.013 χ^2/NDF: 4206175.3/27

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 62.168+/-0.012 χ^2/NDF: 7281794.3/32

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

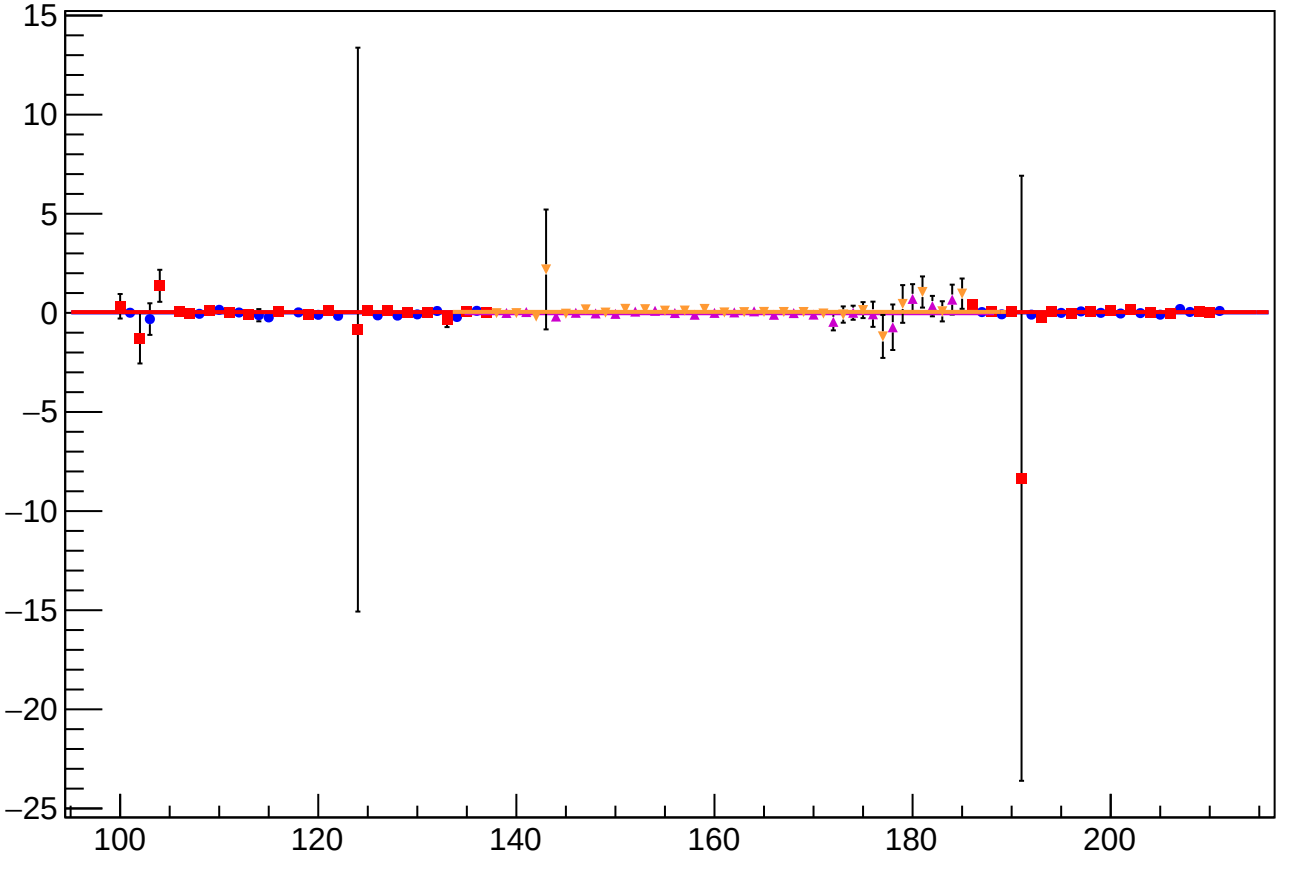
Right: 64.445+/-0.009 χ^2/NDF: 11559162.2/60

In: 62.462+/-0.009 χ^2/NDF:14675196.6/50

Out: 59.642+/-0.009 χ^2/NDF:19684287.3/57

All: 61.012+/-0.006 χ^2/NDF: 34411305.7/108

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.018 χ^2/NDF: 30.0/27

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.039+/-0.018 χ^2/NDF: 25.5/32

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

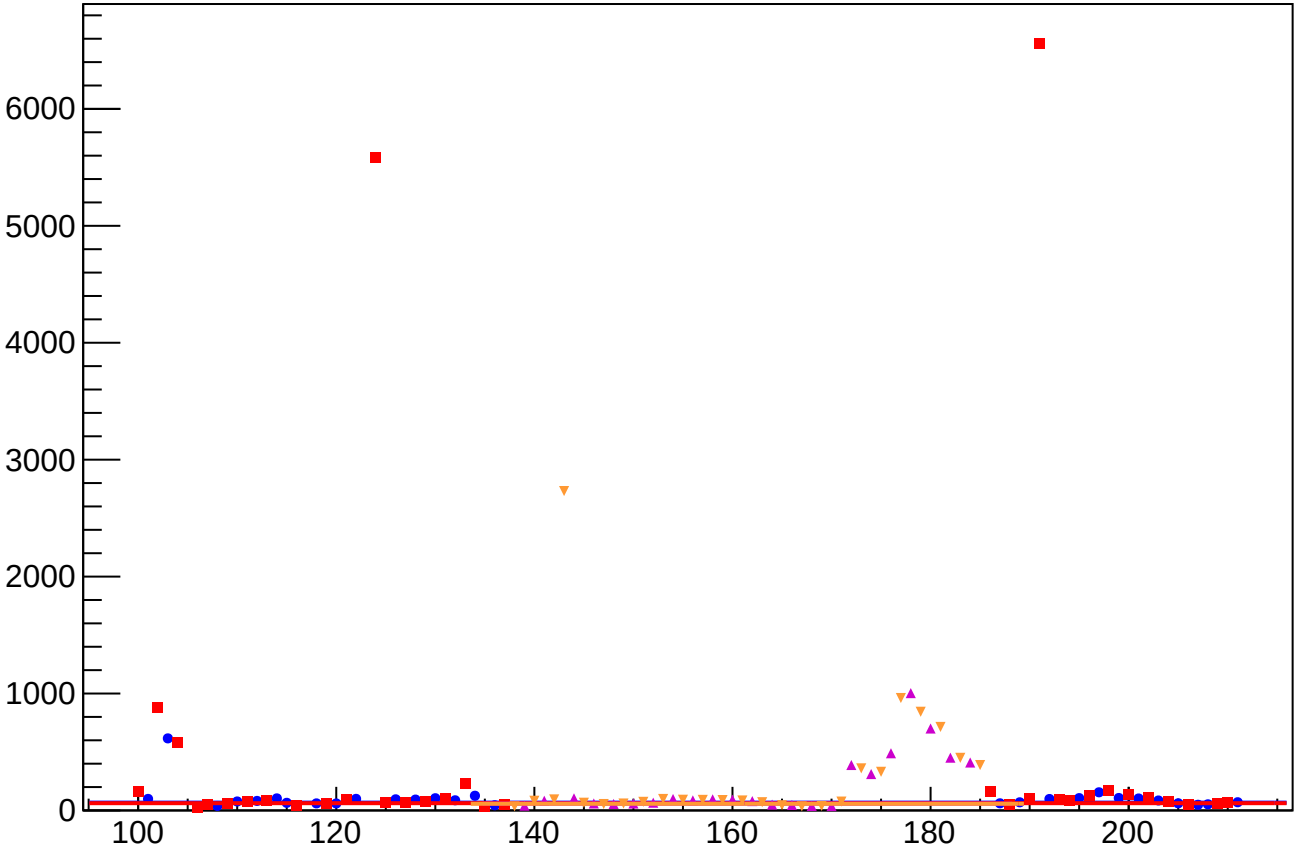
Right: 0.031+/-0.013 χ^2/NDF: 56.0/60

In: -0.000+/-0.013 χ^2/NDF:48.1/50

Out: 0.045+/-0.012 χ^2/NDF:50.2/57

All: 0.023+/-0.009 χ^2/NDF: 104.8/108

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.973+/-0.013 χ^2/NDF: 4206175.3/27

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 62.168+/-0.012 χ^2/NDF: 7281794.3/32

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

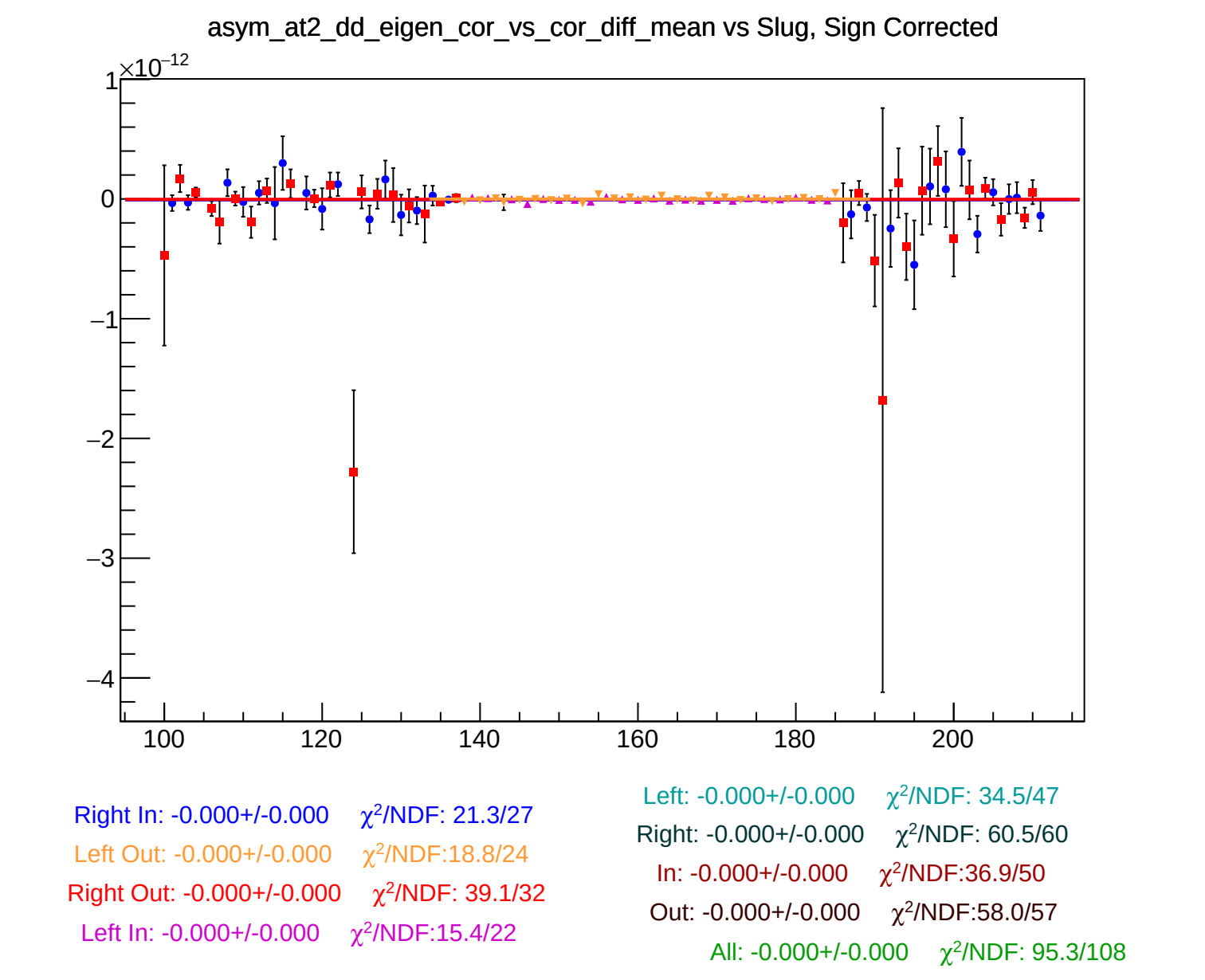
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

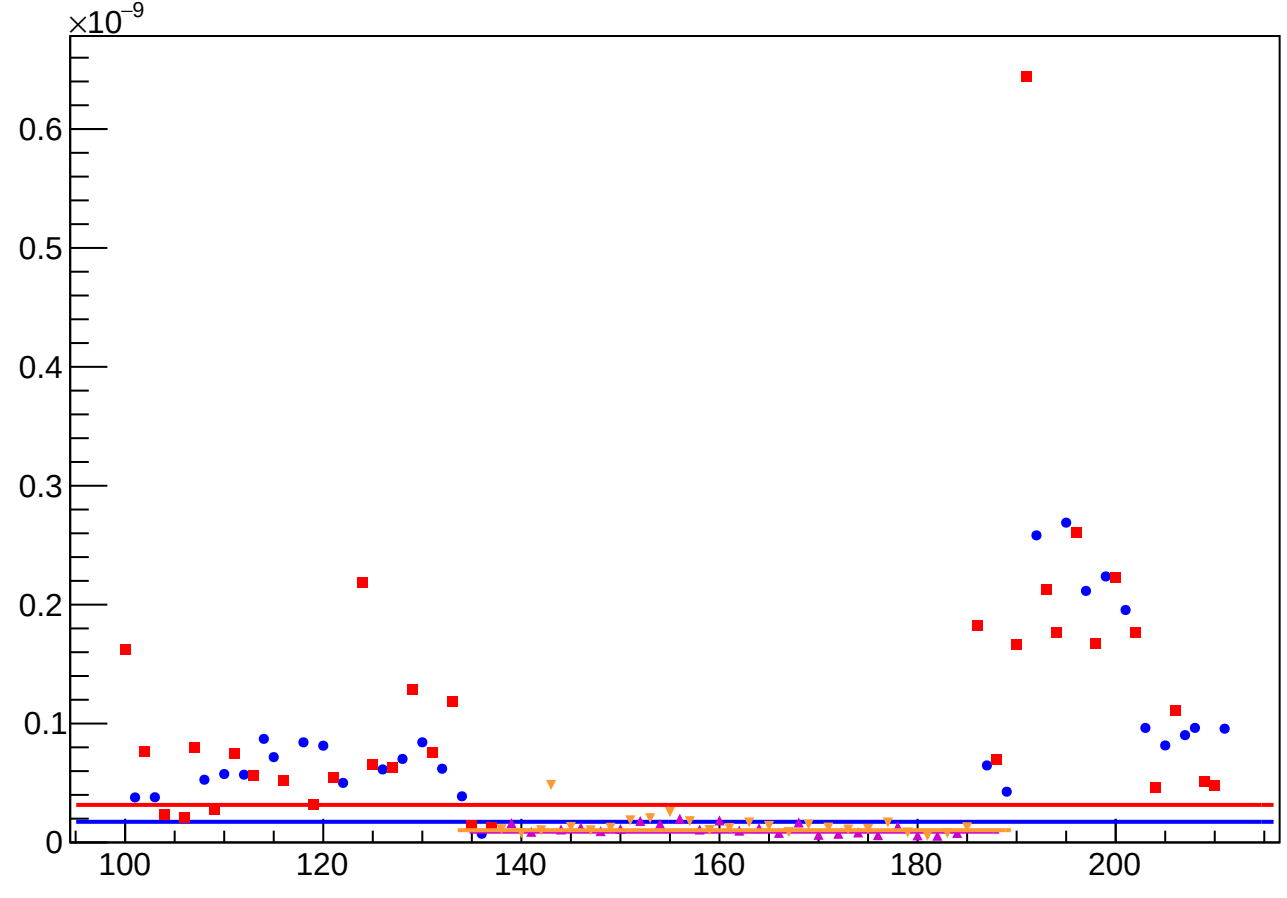
Right: 64.445+/-0.009 χ^2/NDF: 11559162.2/60

In: 62.462+/-0.009 χ^2/NDF:14675196.6/50

Out: 59.642+/-0.009 χ^2/NDF:19684287.3/57

All: 61.012+/-0.006 χ^2/NDF: 34411305.7/108


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.3/27
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.1/32
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 60.5/60
In: -0.000+/-0.000 χ²/NDF:36.9/50
Out: -0.000+/-0.000 χ²/NDF:58.0/57
All: -0.000+/-0.000 χ²/NDF: 95.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 13339512.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9918144.7/32

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

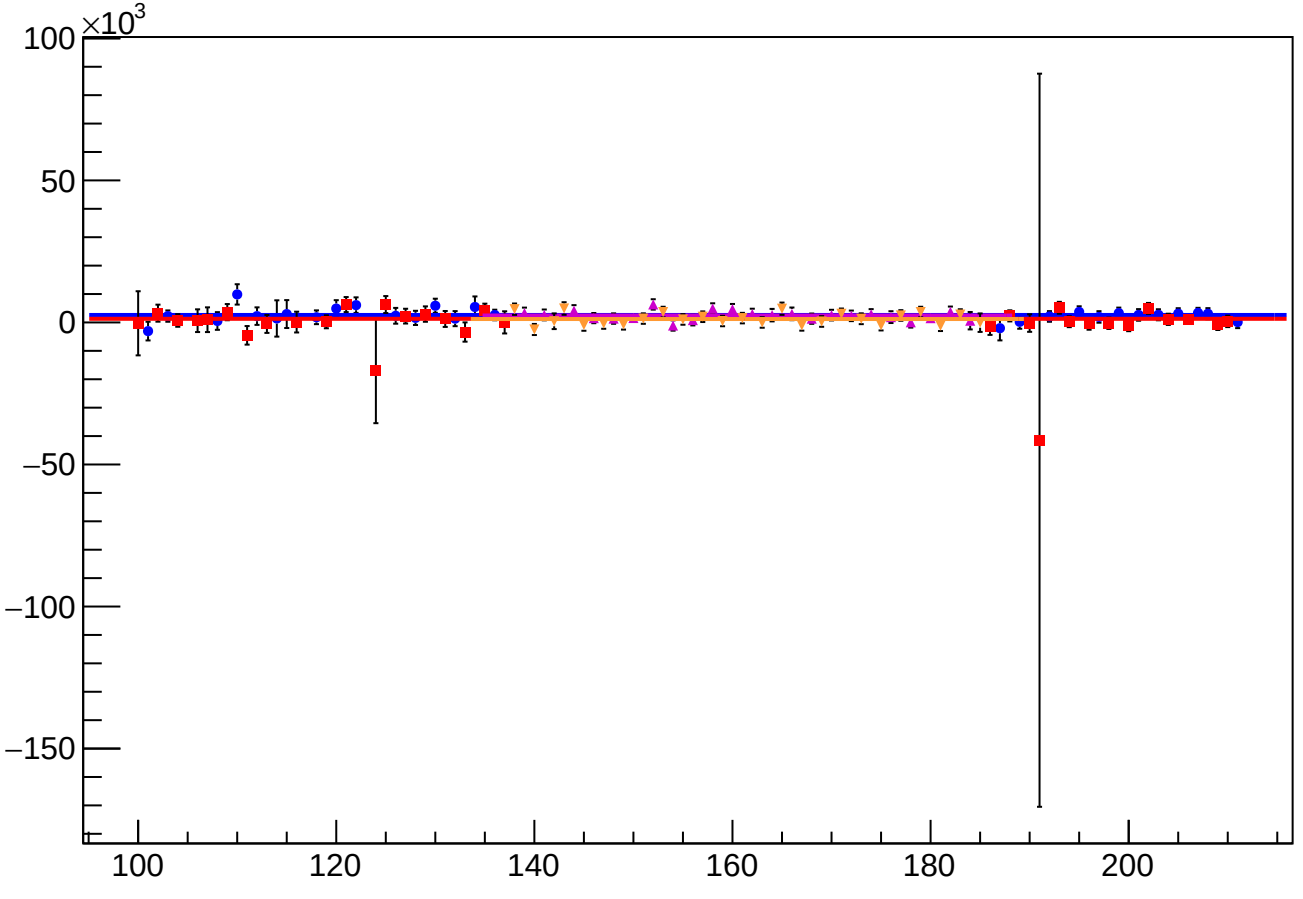
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 24609023.5/60

In: 0.000+/-0.000 χ^2/NDF:17662549.1/50

Out: 0.000+/-0.000 χ^2/NDF:17911450.4/57

All: 0.000+/-0.000 χ^2/NDF: 35889008.9/108



Right In: 2630.079+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1279.500+/-443.197 χ^2/NDF: 28.9/32

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

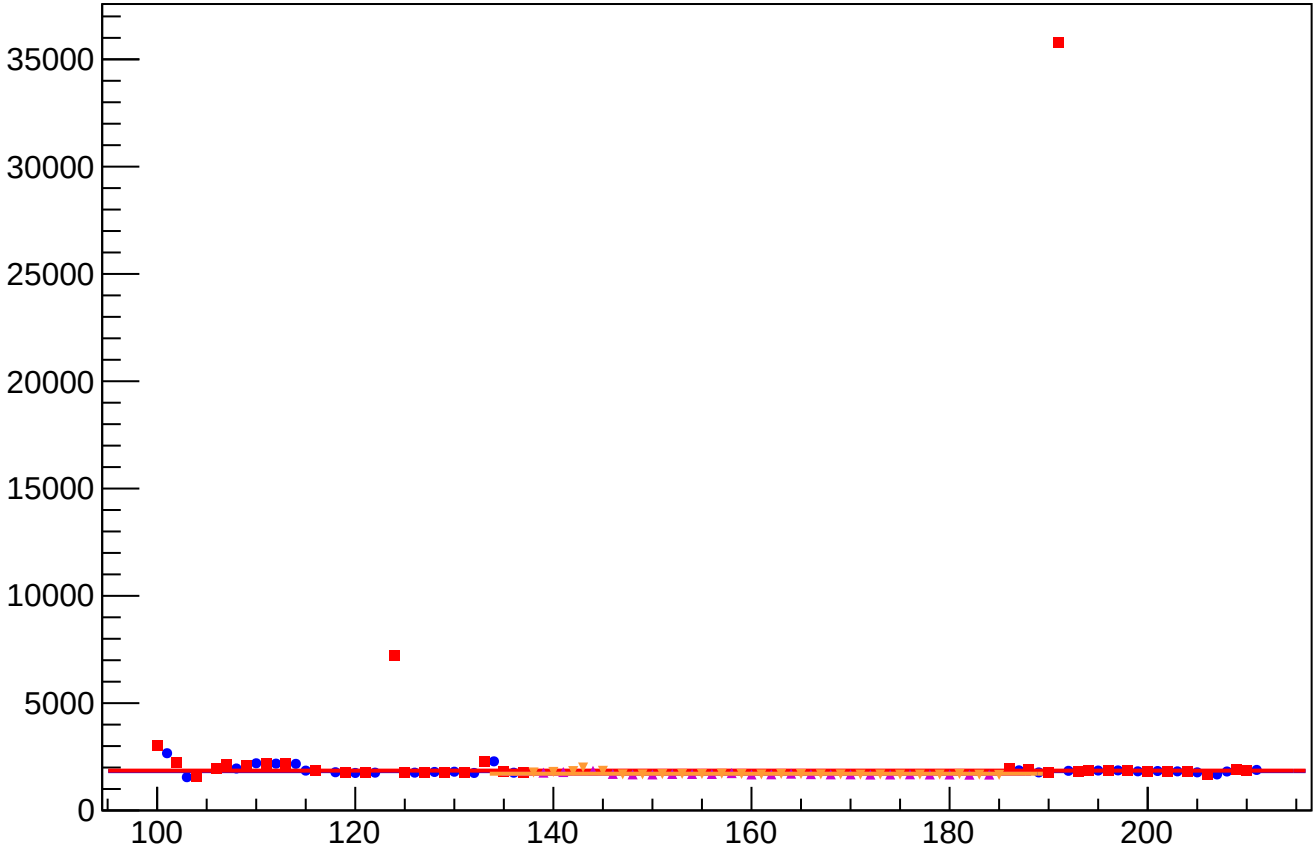
Right: 1943.022+/-316.107 χ^2/NDF: 50.5/60

In: 2522.656+/-298.400 χ^2/NDF:34.6/50

Out: 1235.964+/-292.417 χ^2/NDF:55.2/57

All: 1866.282+/-208.853 χ^2/NDF: 99.3/108

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.2/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.127+/-0.313 χ^2/NDF: 543224.7/32

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

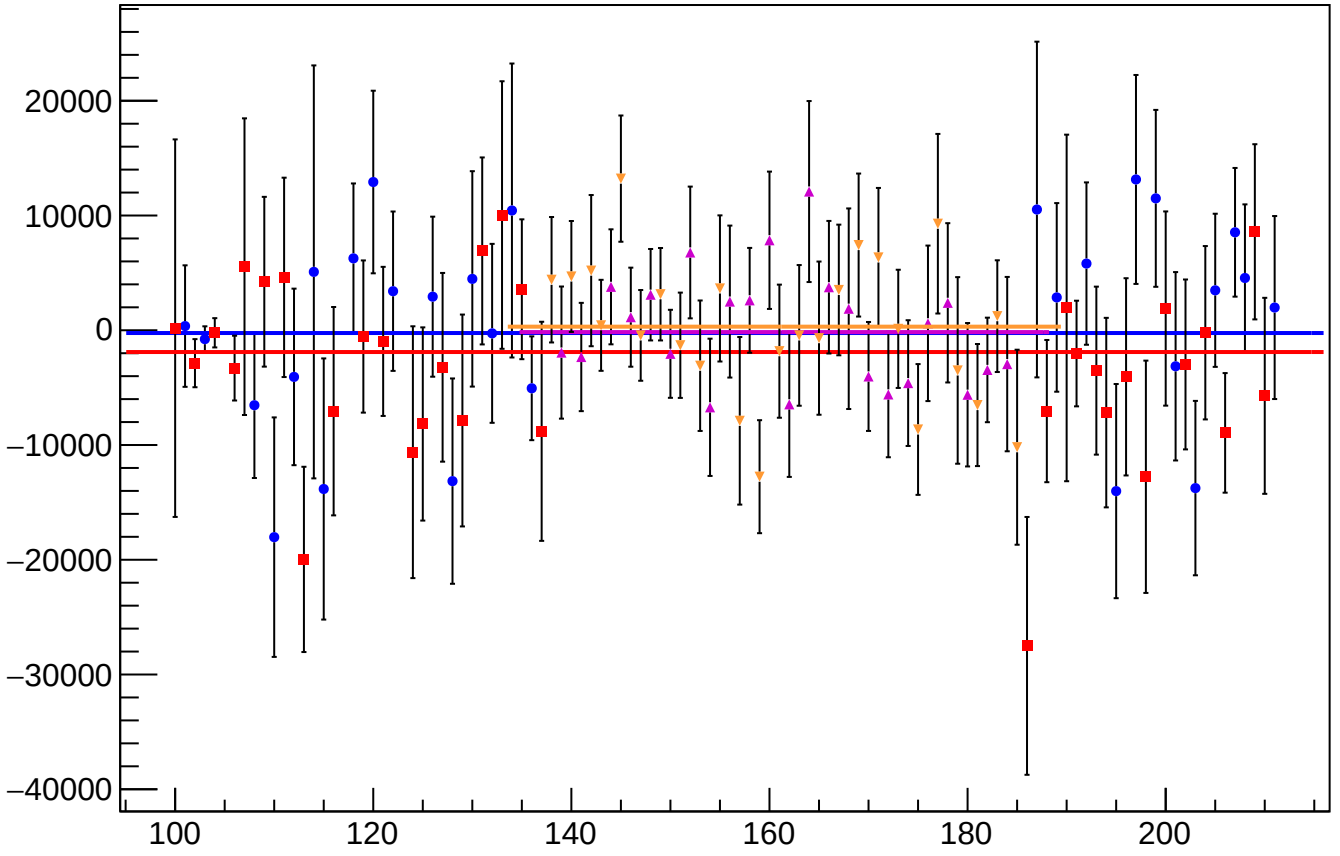
Right: 1844.189+/-0.223 χ^2/NDF: 832083.6/60

In: 1759.934+/-0.211 χ^2/NDF:398811.1/50

Out: 1774.680+/-0.207 χ^2/NDF:723221.4/57

All: 1767.460+/-0.148 χ^2/NDF: 1124525.0/10

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -240.545+/-882.241 χ^2/NDF: 29.0/27

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1897.160+/-830.000 χ^2/NDF: 26.2/32

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

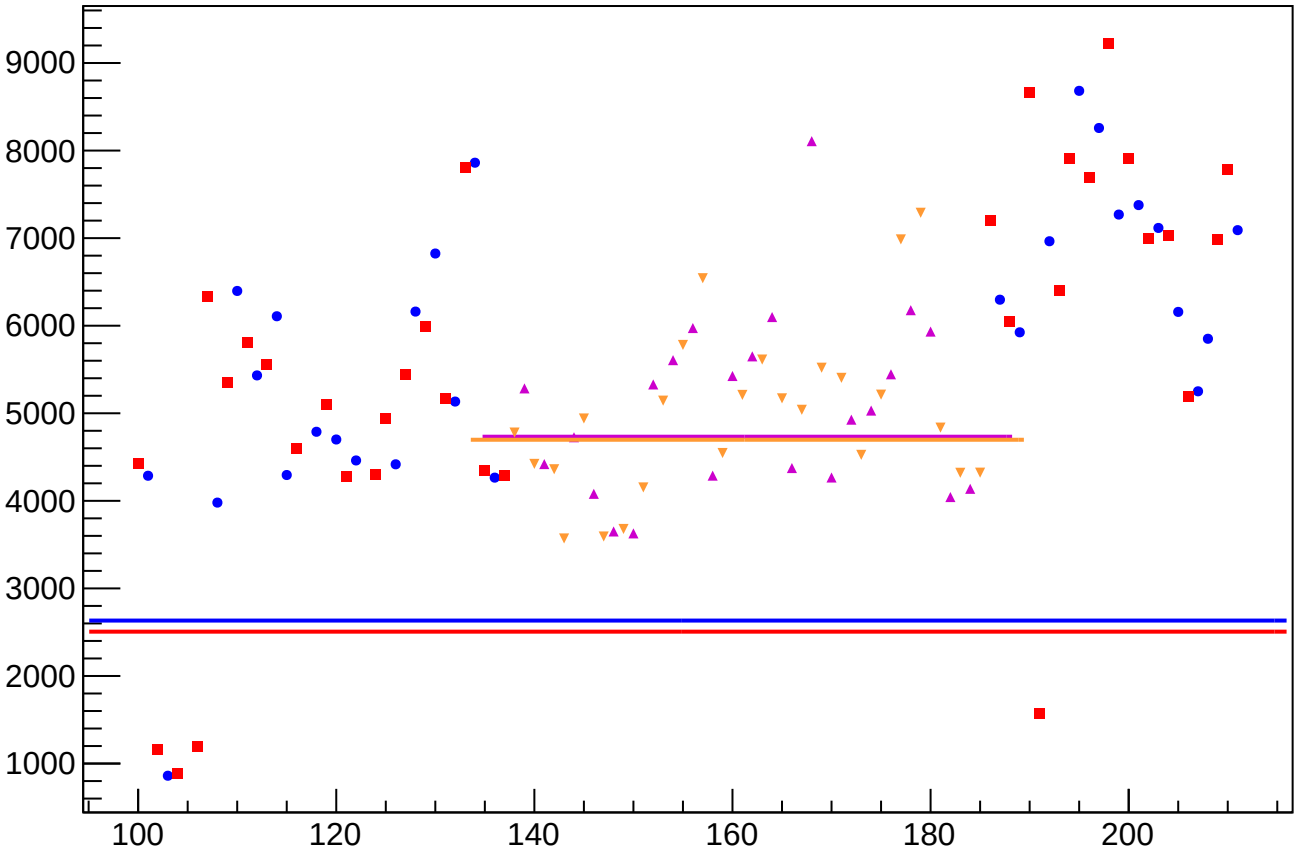
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1119.350+/-604.524 χ^2/NDF: 57.1/60

In: -209.218+/-695.035 χ^2/NDF:43.7/50

Out: -1087.457+/-660.786 χ^2/NDF:55.8/57

All: -670.509+/-478.896 χ^2/NDF: 100.4/108



Right In: 2632.778+/-0.624 χ^2/NDF: 15126948.4/27

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2506.137+/-0.587 χ^2/NDF: 16443486.1/32

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

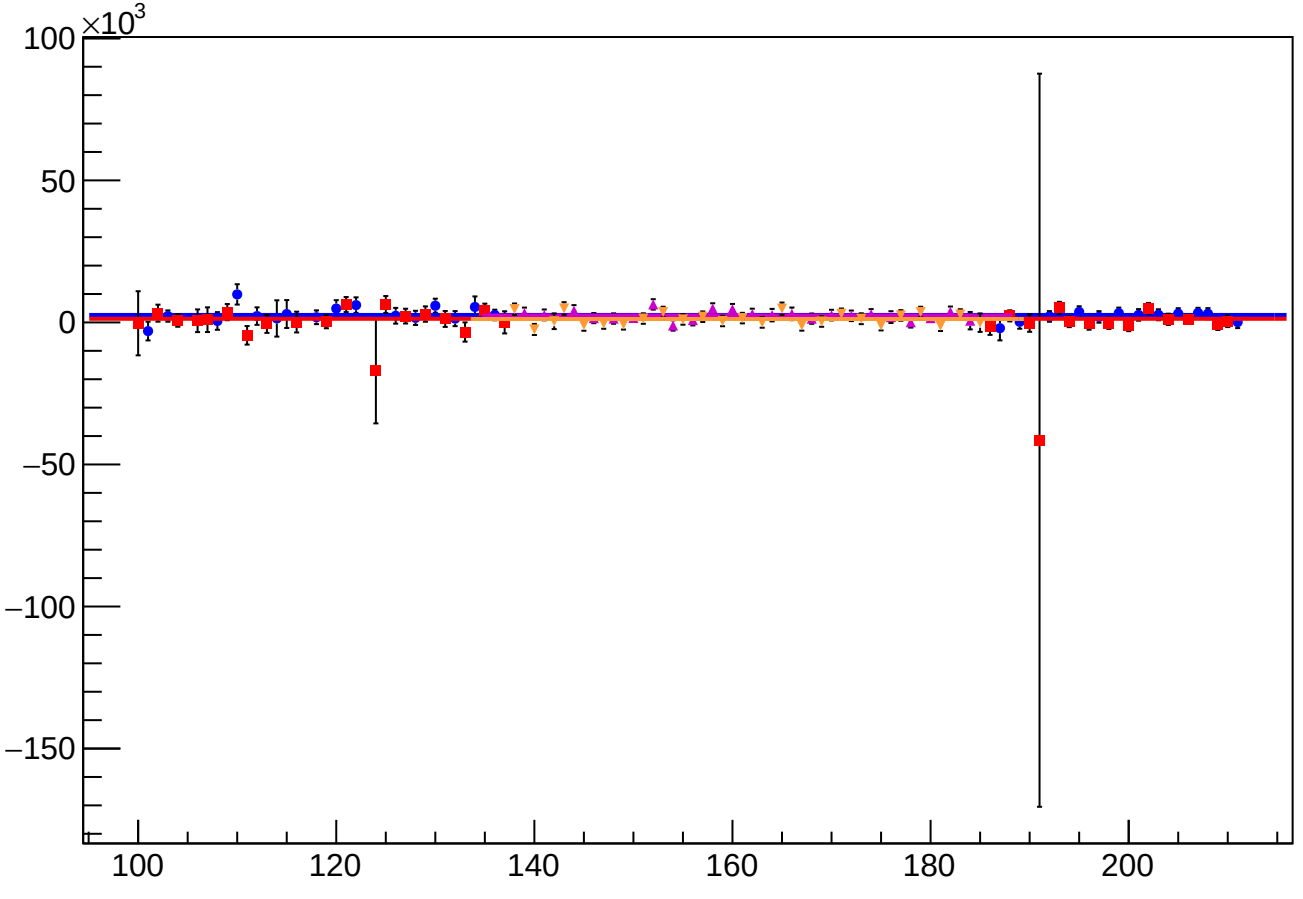
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2565.597+/-0.427 χ^2/NDF: 31592295.8/60

In: 3429.304+/-0.491 χ^2/NDF:20667096.2/50

Out: 3308.616+/-0.467 χ^2/NDF:22788457.1/57

All: 3365.913+/-0.339 χ^2/NDF: 43487227.4/



Right In: 2630.240+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1279.009+/-443.198 χ^2/NDF: 28.9/32

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

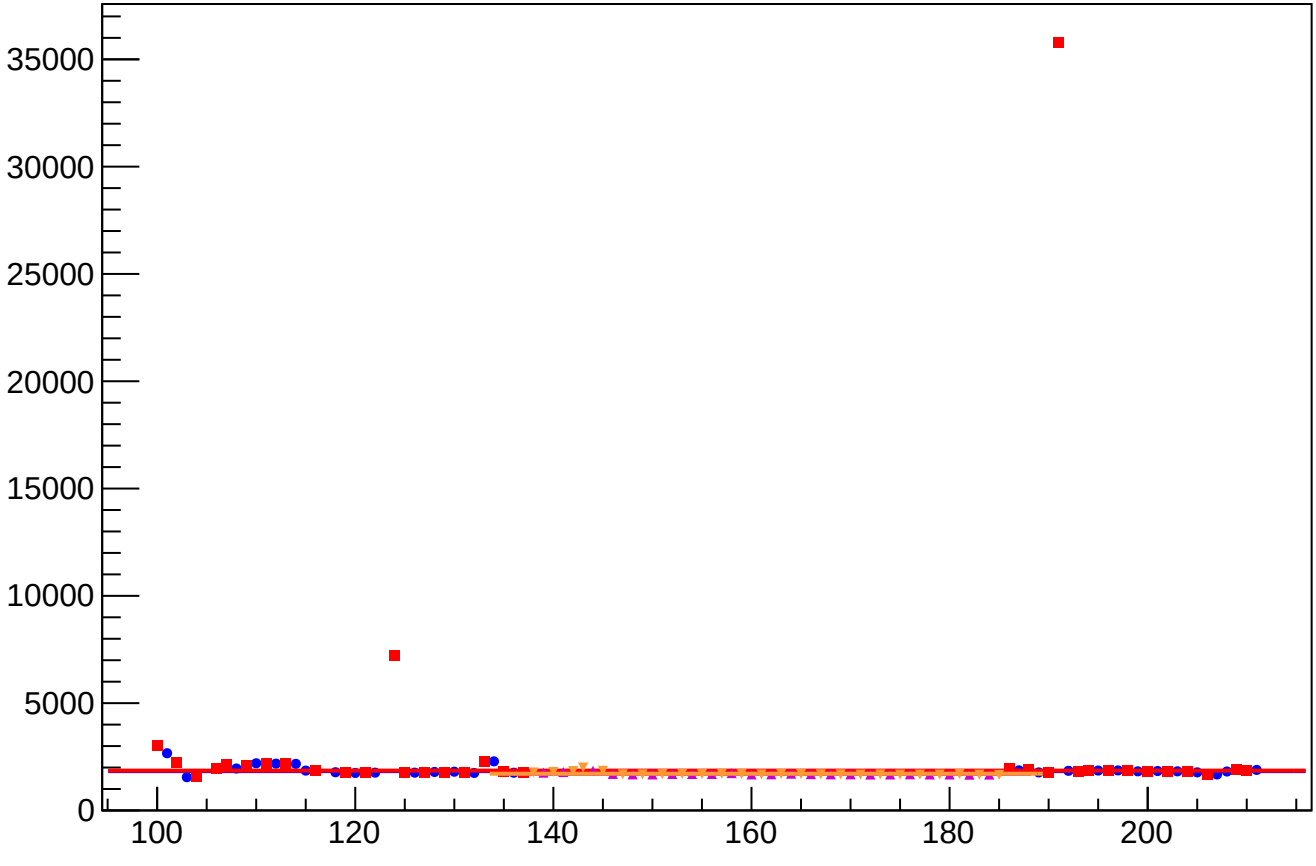
Right: 1942.852+/-316.107 χ^2/NDF: 50.5/60

In: 2522.689+/-298.400 χ^2/NDF:34.6/50

Out: 1235.695+/-292.417 χ^2/NDF:55.2/57

All: 1866.161+/-208.853 χ^2/NDF: 99.4/108

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.1/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF: 543594.7/32

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

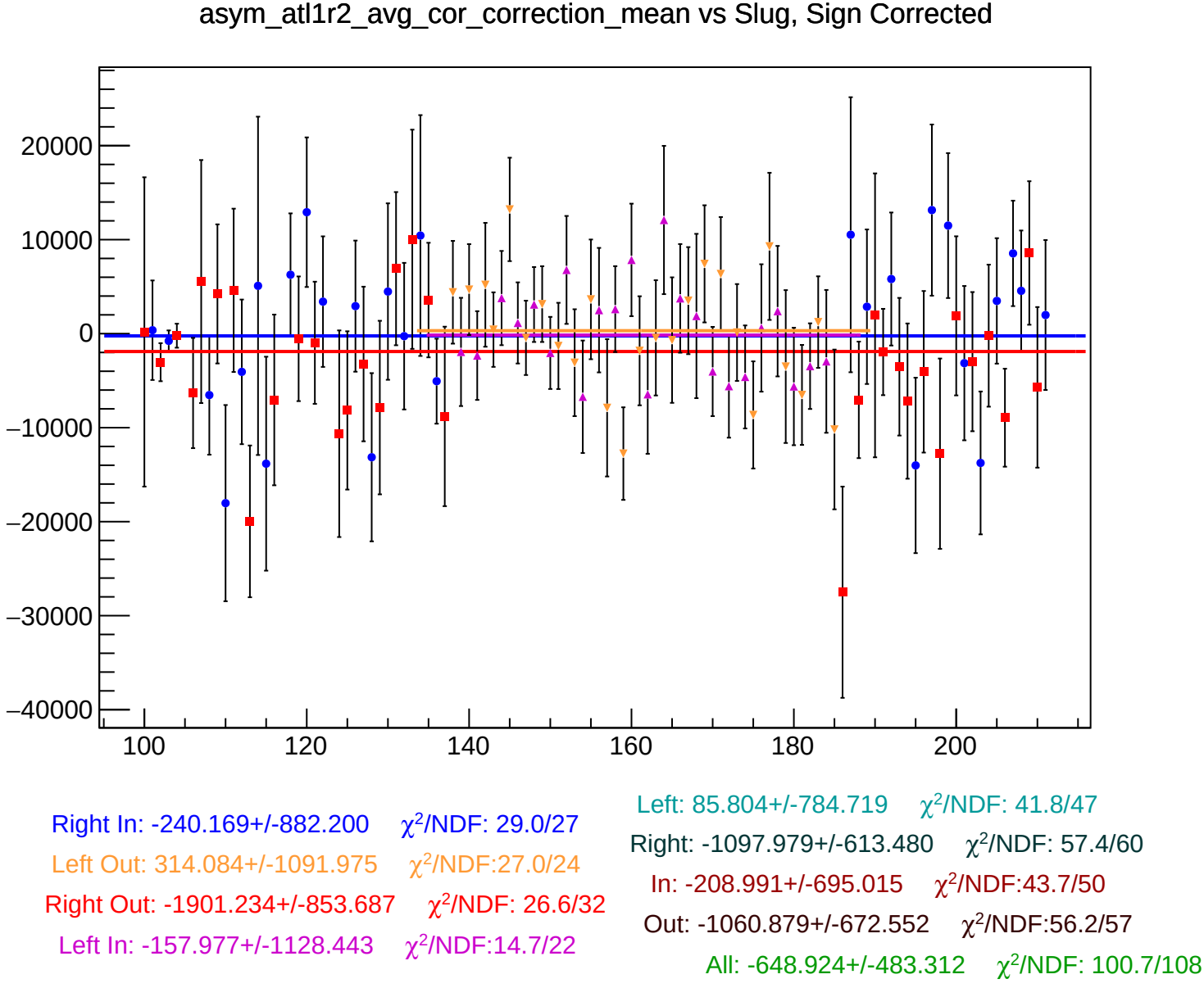
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

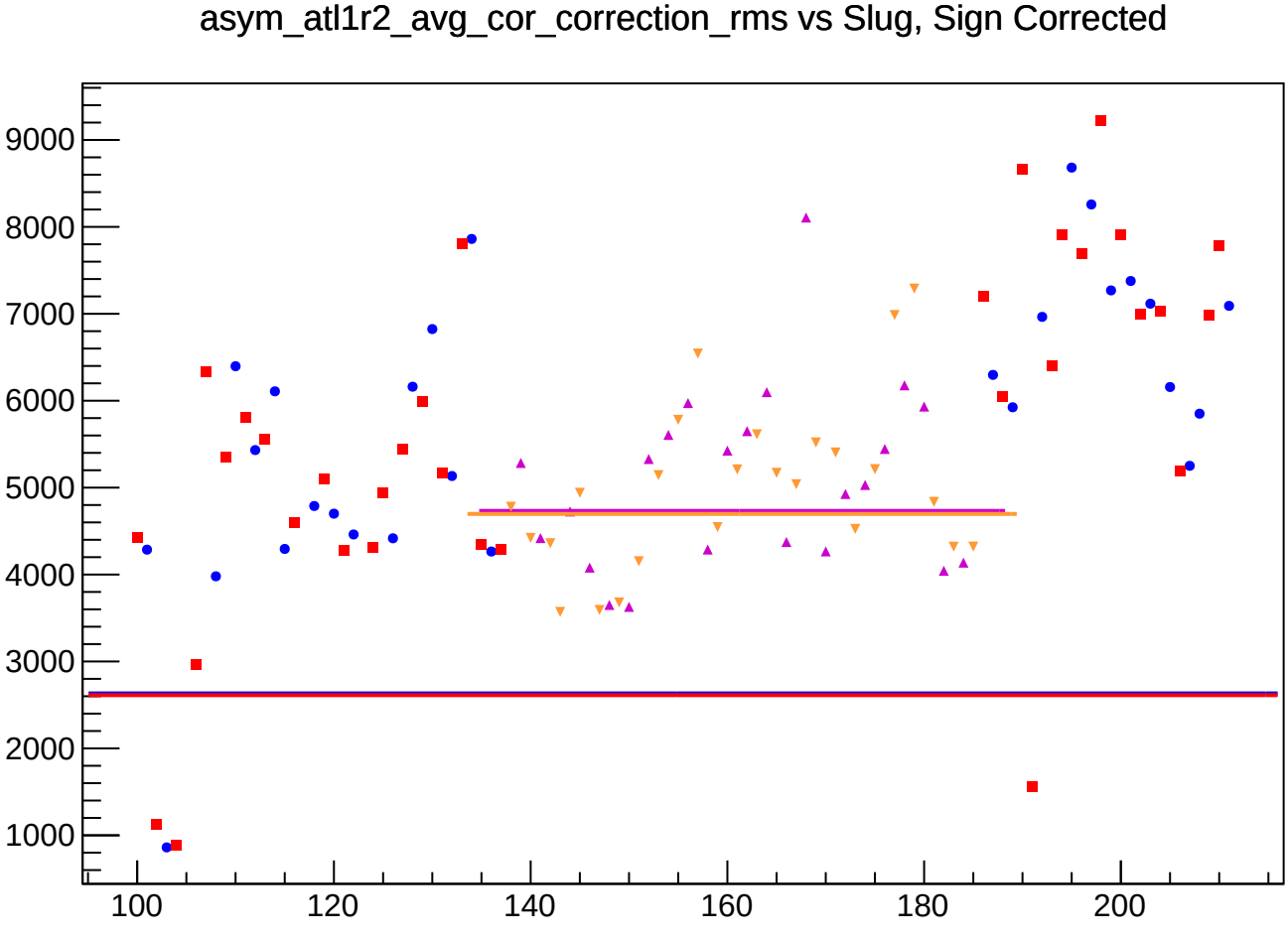
Right: 1844.277+/-0.223 χ^2/NDF: 832495.9/60

In: 1759.934+/-0.211 χ^2/NDF:398811.0/50

Out: 1774.750+/-0.207 χ^2/NDF:723869.1/57

All: 1767.495+/-0.148 χ^2/NDF: 1125196.1/10


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -240.169+/-882.200 χ²/NDF: 29.0/27
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1901.234+/-853.687 χ²/NDF: 26.6/32
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1097.979+/-613.480 χ²/NDF: 57.4/60
In: -208.991+/-695.015 χ²/NDF:43.7/50
Out: -1060.879+/-672.552 χ²/NDF:56.2/57
All: -648.924+/-483.312 χ²/NDF: 100.7/108



Right In: 2632.578+/-0.624 χ^2/NDF: 15128014.8/27

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2612.583+/-0.604 χ^2/NDF: 16104022.9/32

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

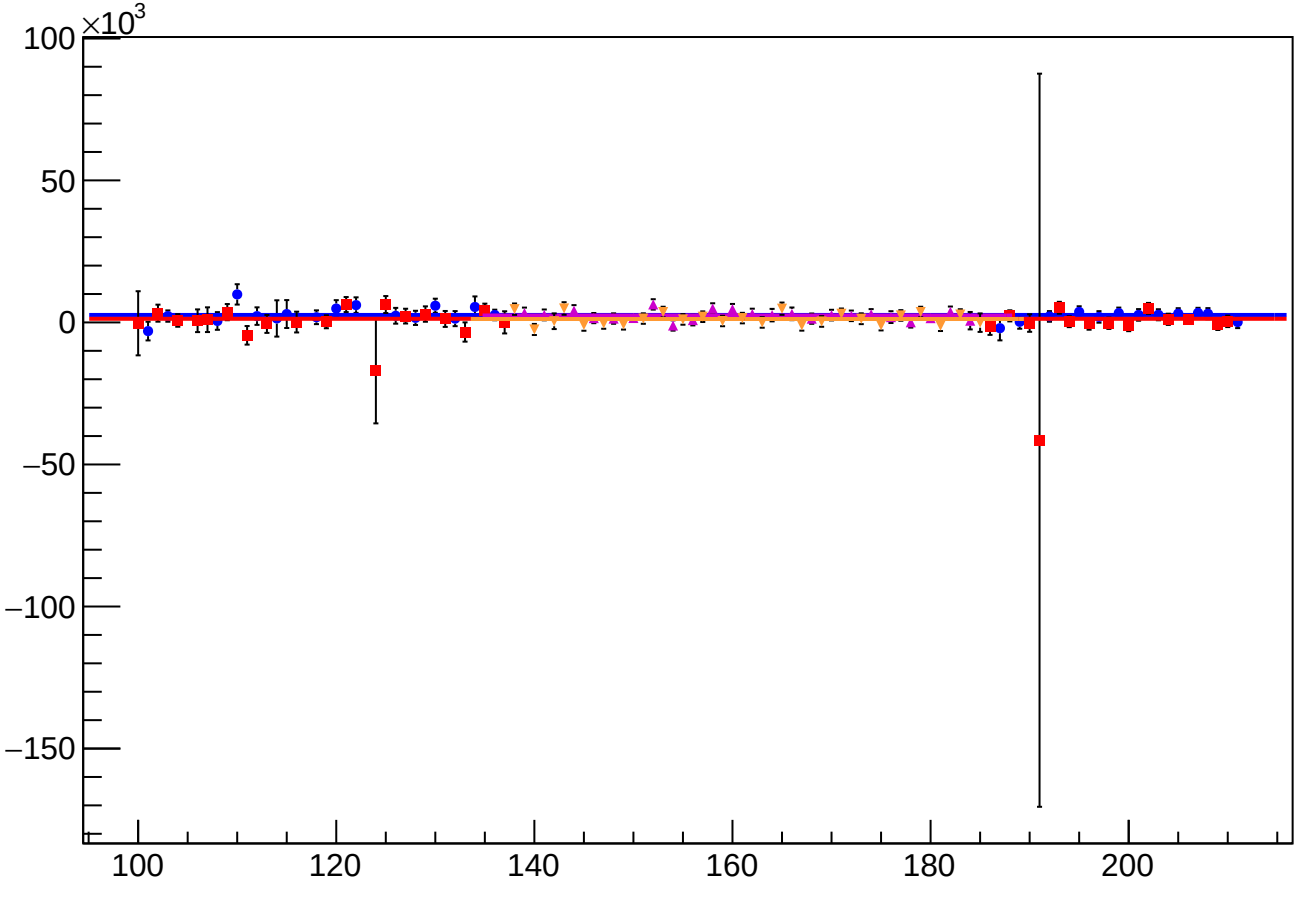
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2622.252+/-0.434 χ^2/NDF: 31232568.2/60

In: 3429.133+/-0.491 χ^2/NDF:20669138.2/50

Out: 3403.516+/-0.476 χ^2/NDF:21869114.7/57

All: 3415.904+/-0.342 χ^2/NDF: 42539656.0/



Right In: 2630.240+/-450.989 χ^2/NDF: 17.0/27

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1279.009+/-443.198 χ^2/NDF: 28.9/32

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

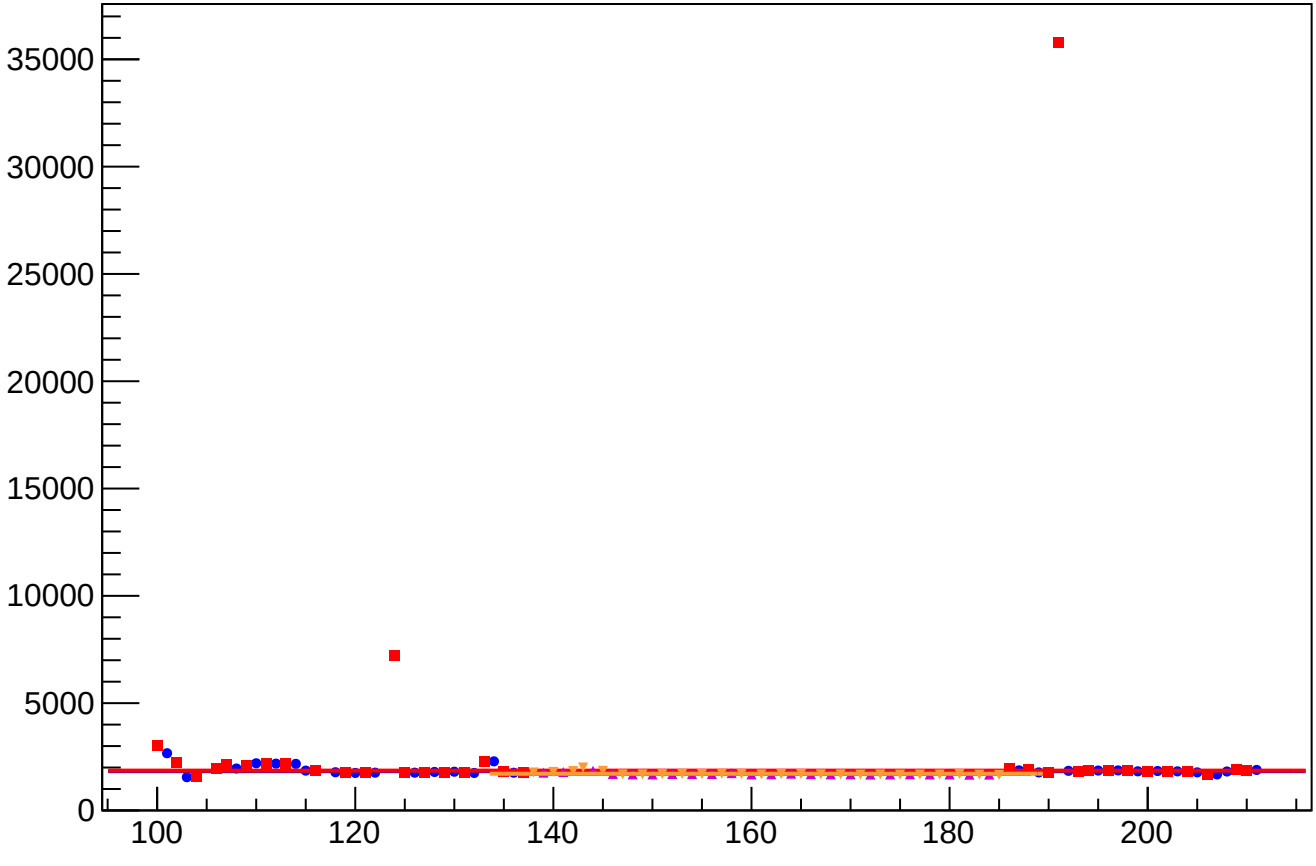
Right: 1942.852+/-316.107 χ^2/NDF: 50.5/60

In: 2522.689+/-298.400 χ^2/NDF:34.6/50

Out: 1235.695+/-292.417 χ^2/NDF:55.2/57

All: 1866.161+/-208.853 χ^2/NDF: 99.4/108

eigen_cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1831.805+/-0.319 χ^2/NDF: 285897.1/27

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.301+/-0.313 χ^2/NDF: 543594.7/32

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

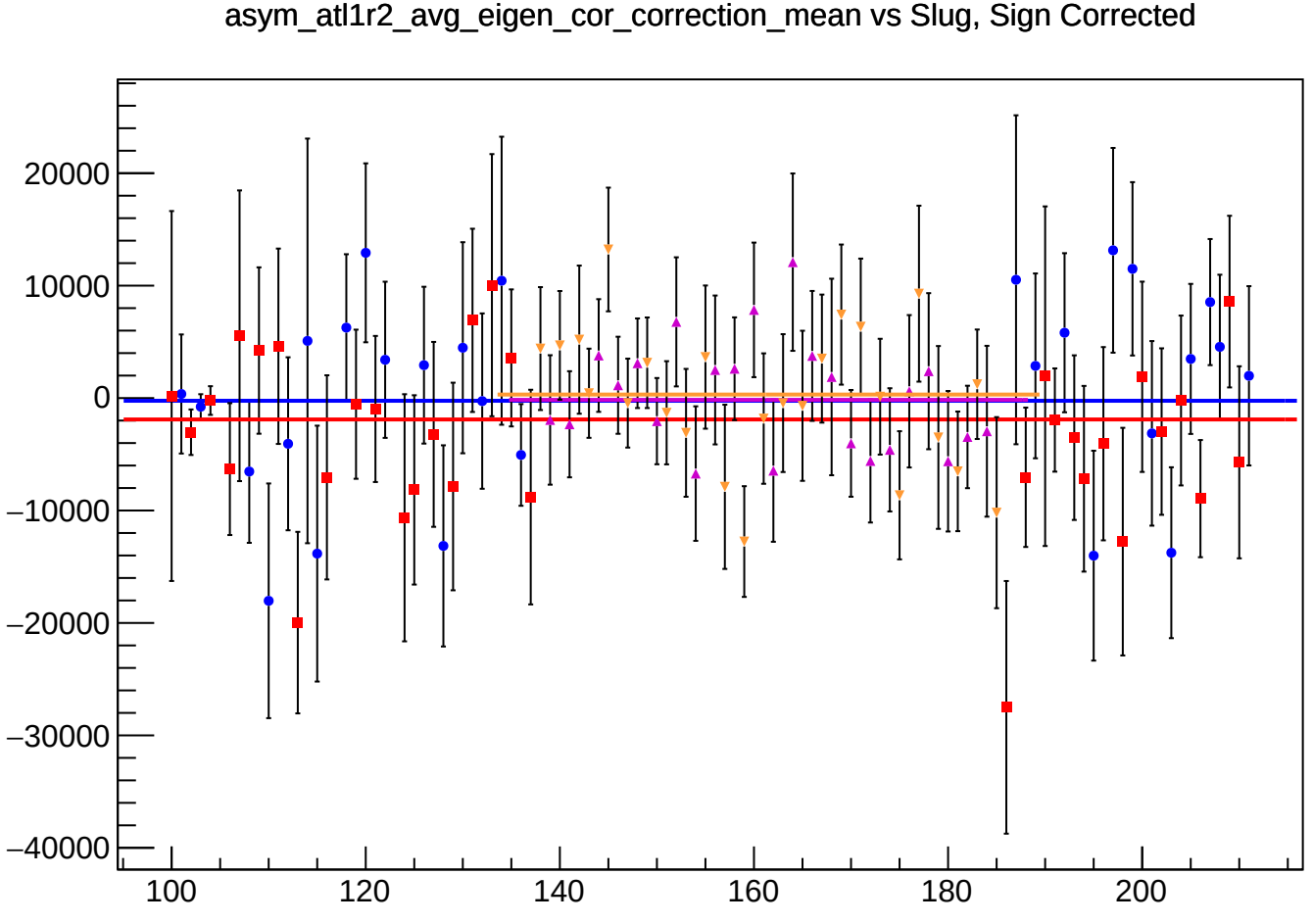
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.277+/-0.223 χ^2/NDF: 832495.9/60

In: 1759.934+/-0.211 χ^2/NDF:398811.0/50

Out: 1774.750+/-0.207 χ^2/NDF:723869.1/57

All: 1767.495+/-0.148 χ^2/NDF: 1125196.1/10



Right In: -240.169+/-882.200 χ^2/NDF: 29.0/27

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1901.234+/-853.687 χ^2/NDF: 26.6/32

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

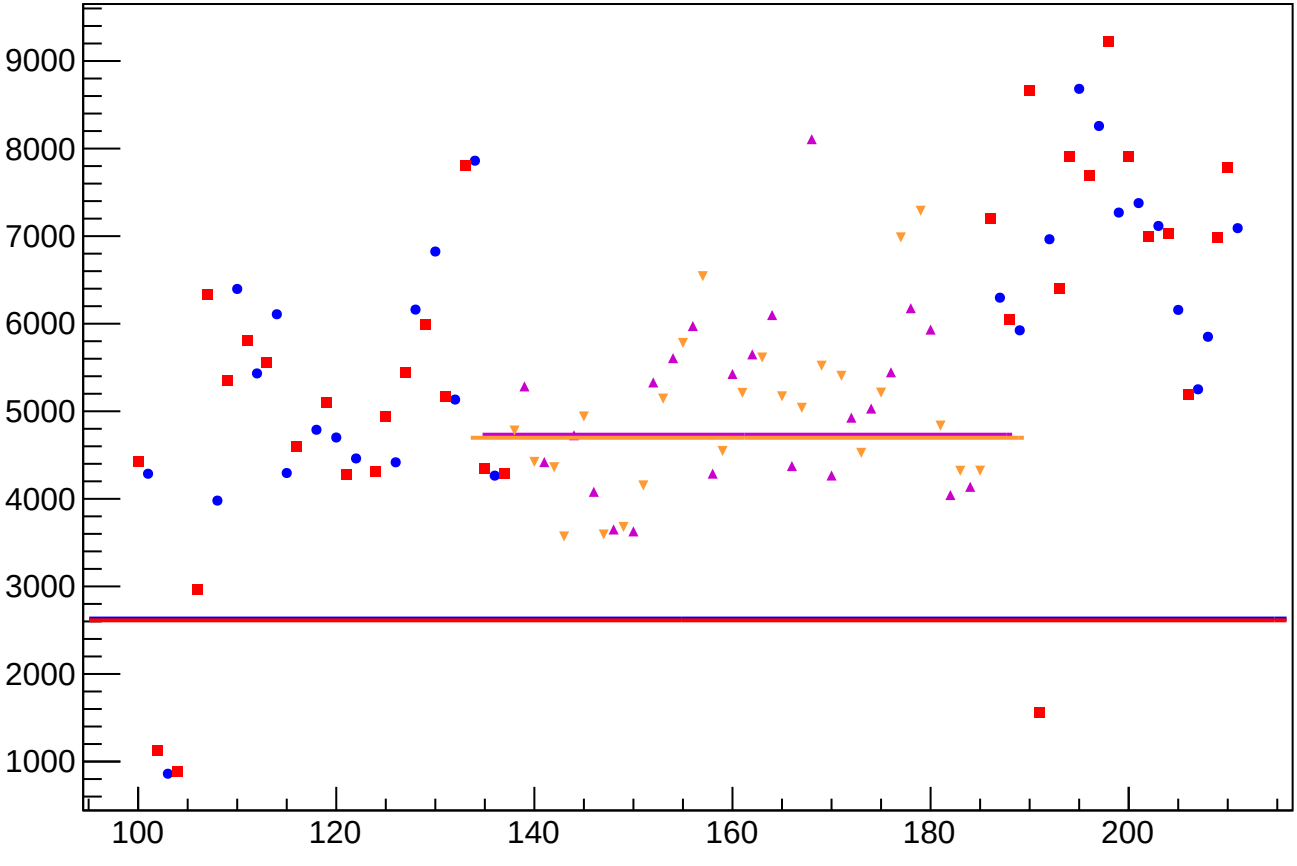
Right: -1097.979+/-613.480 χ^2/NDF: 57.4/60

In: -208.991+/-695.015 χ^2/NDF:43.7/50

Out: -1060.879+/-672.552 χ^2/NDF:56.2/57

All: -648.924+/-483.312 χ^2/NDF: 100.7/108

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2632.578+/-0.624 χ^2/NDF: 15128014.8/27

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2612.583+/-0.604 χ^2/NDF: 16104022.9/32

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

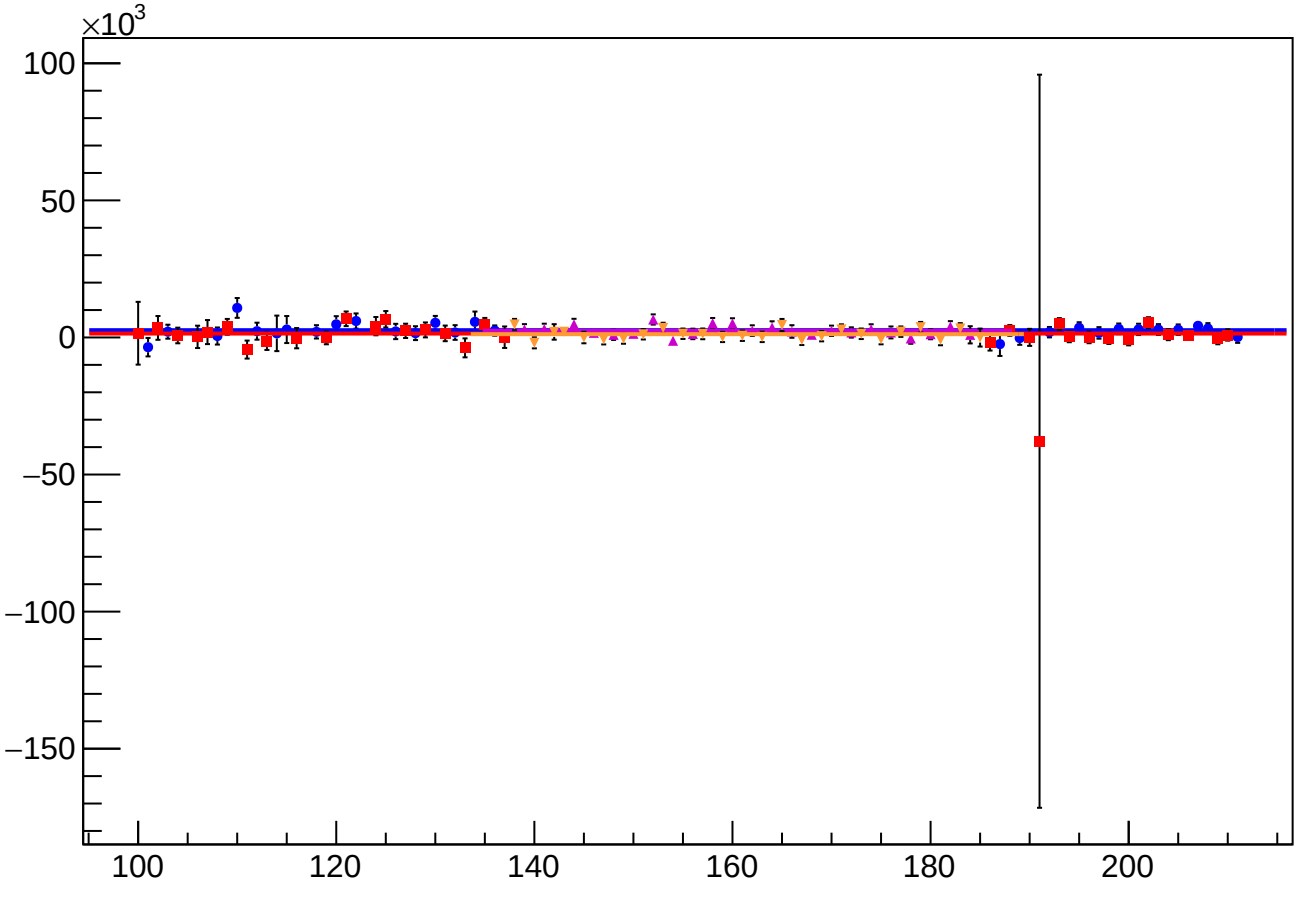
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2622.252+/-0.434 χ^2/NDF: 31232568.2/60

In: 3429.133+/-0.491 χ^2/NDF:20669138.2/50

Out: 3403.516+/-0.476 χ^2/NDF:21869114.7/57

All: 3415.904+/-0.342 χ^2/NDF: 42539656.0/



Right In: 2652.992+/-460.792 χ^2/NDF: 18.7/27

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1425.865+/-450.794 χ^2/NDF: 30.3/32

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

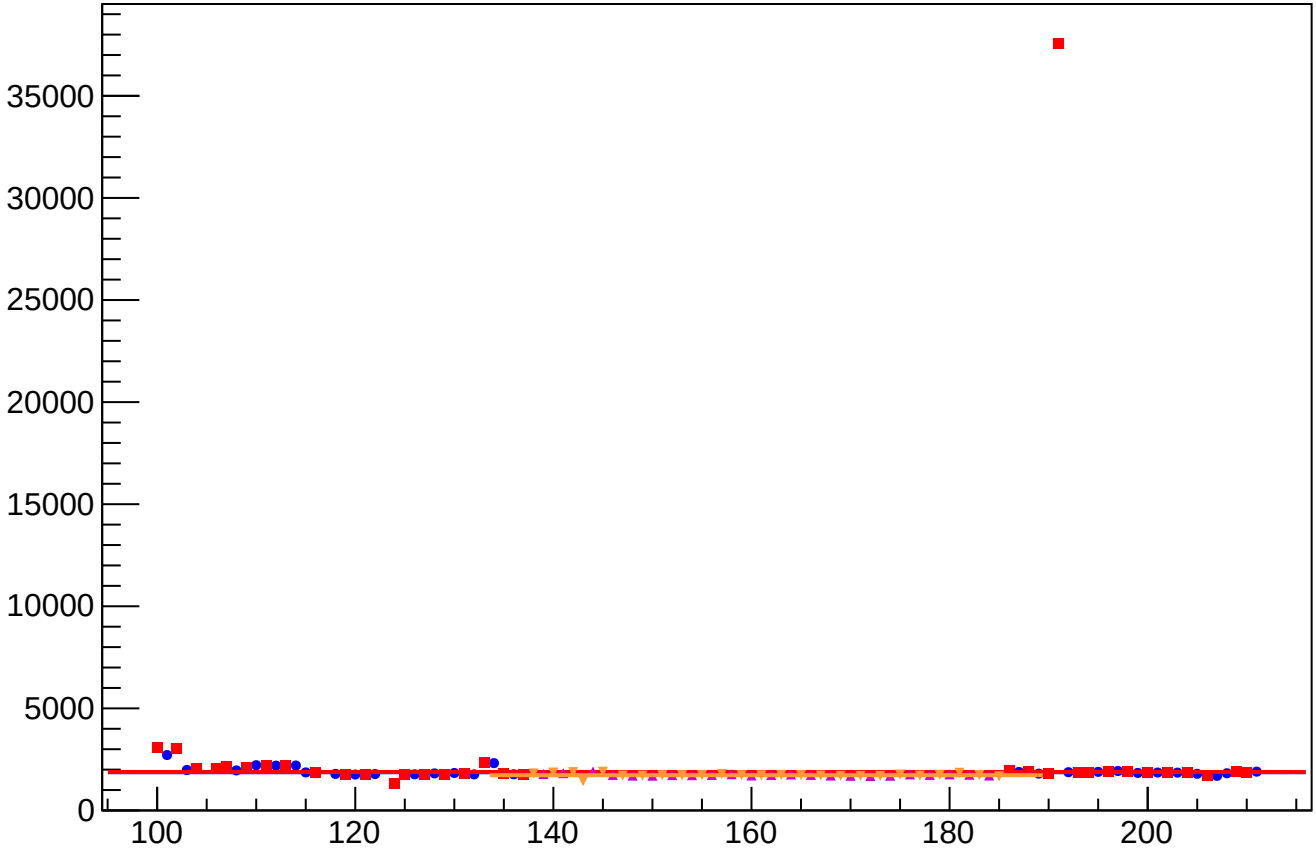
Right: 2025.971+/-322.236 χ^2/NDF: 52.7/60

In: 2532.398+/-305.278 χ^2/NDF:39.4/50

Out: 1296.030+/-296.225 χ^2/NDF:50.0/57

All: 1895.609+/-212.591 χ^2/NDF: 97.9/108

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1871.966+/-0.326 χ^2/NDF: 252022.7/27

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1884.840+/-0.319 χ^2/NDF: 520954.7/32

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

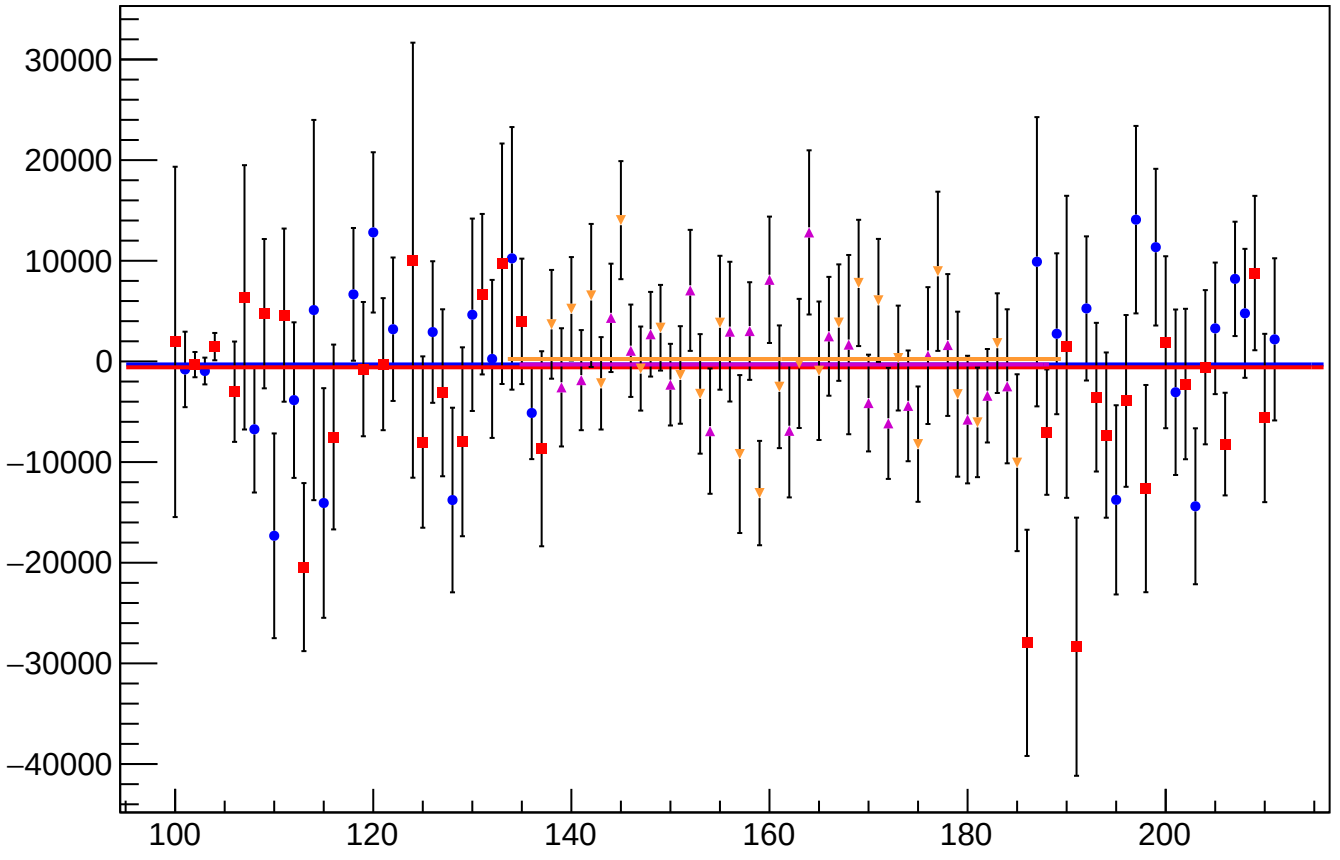
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1878.546+/-0.228 χ^2/NDF: 773775.3/60

In: 1800.521+/-0.216 χ^2/NDF:364510.5/50

Out: 1795.314+/-0.209 χ^2/NDF:770178.9/57

All: 1797.839+/-0.150 χ^2/NDF: 1134989.1/10



Right In: -299.816+/-964.714 χ^2/NDF: 28.9/27

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -585.066+/-778.275 χ^2/NDF: 32.8/32

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

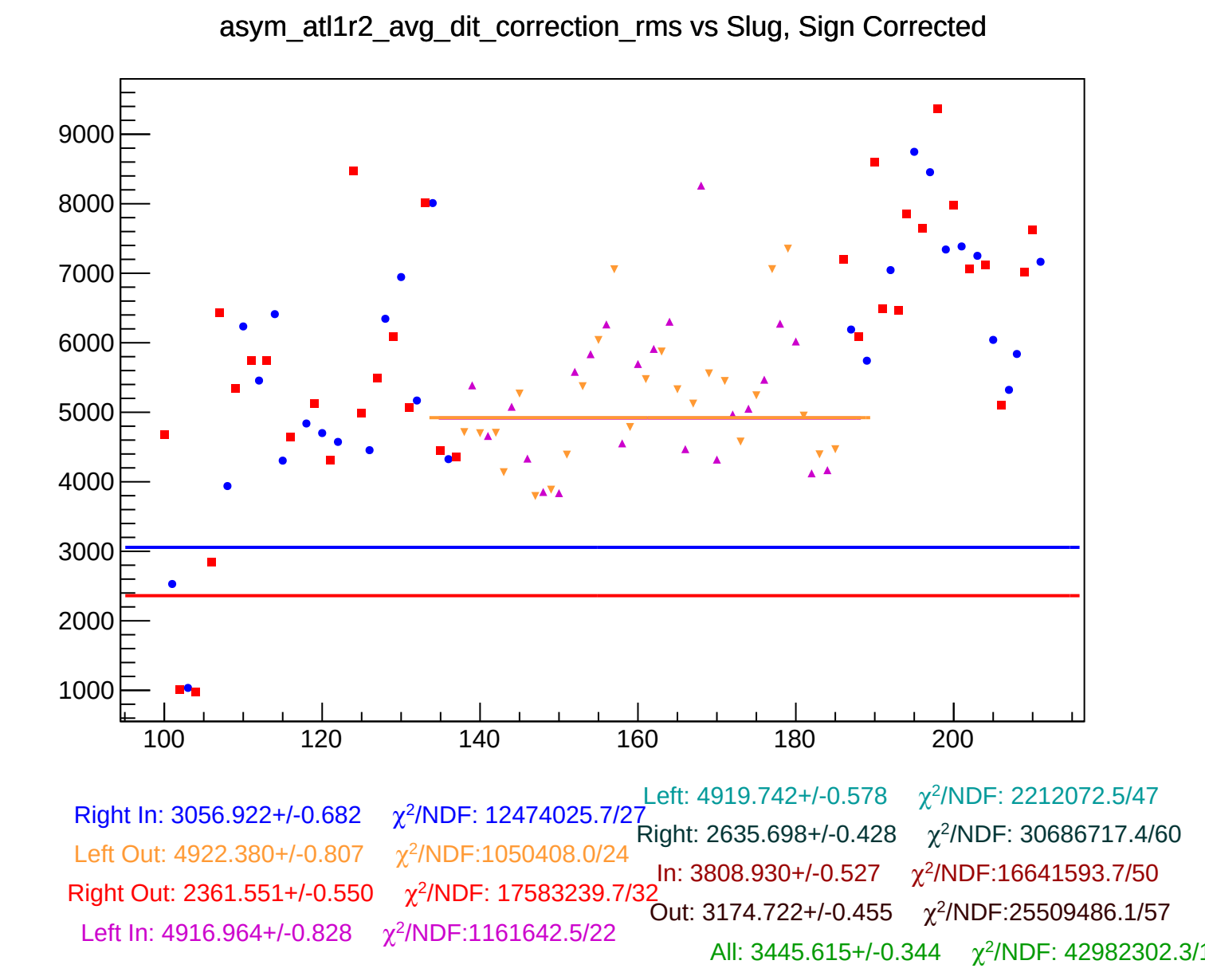
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -472.608+/-605.734 χ^2/NDF: 61.8/60

In: -302.359+/-744.584 χ^2/NDF:43.4/50

Out: -322.714+/-642.941 χ^2/NDF:59.9/57

All: -314.020+/-486.628 χ^2/NDF: 103.3/108


asym_atl1r2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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3000
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120
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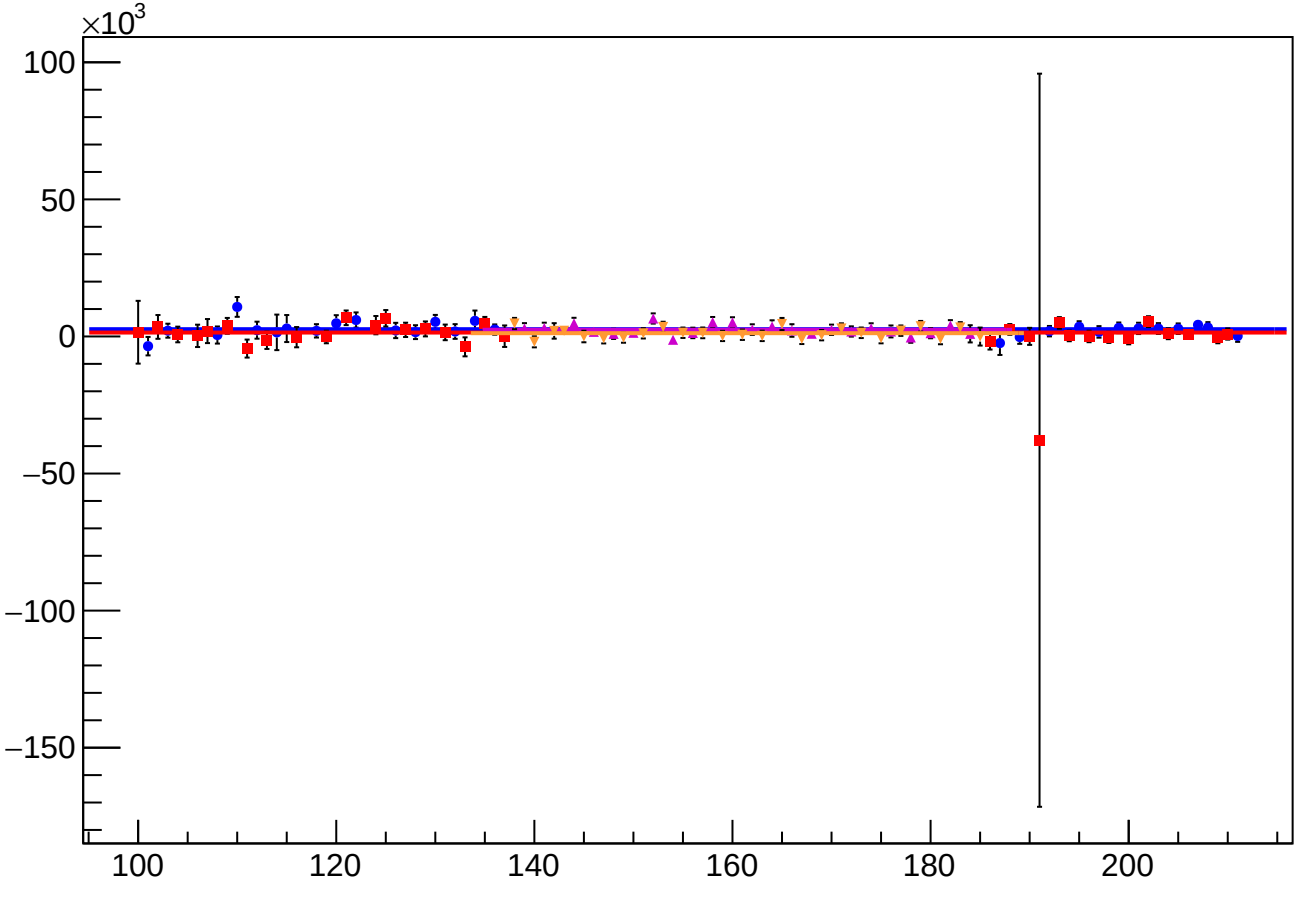
160
180
200
Right In: 3056.922+/-0.682 χ²/NDF: 12474025.7/27
Left Out: 4922.380+/-0.807 χ²/NDF:1050408.0/24
Right Out: 2361.551+/-0.550 χ²/NDF: 17583239.7/32
Left In: 4916.964+/-0.828 χ²/NDF:1161642.5/22
Left: 4919.742+/-0.578 χ²/NDF: 2212072.5/47
Right: 2635.698+/-0.428 χ²/NDF: 30686717.4/60
In: 3808.930+/-0.527 χ²/NDF:16641593.7/50
Out: 3174.722+/-0.455 χ²/NDF:25509486.1/57
All: 3445.615+/-0.344 χ²/NDF: 42982302.3/1



Right In: 2652.989+/-460.792 χ^2/NDF: 18.7/27

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1425.865+/-450.794 χ^2/NDF: 30.3/32

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

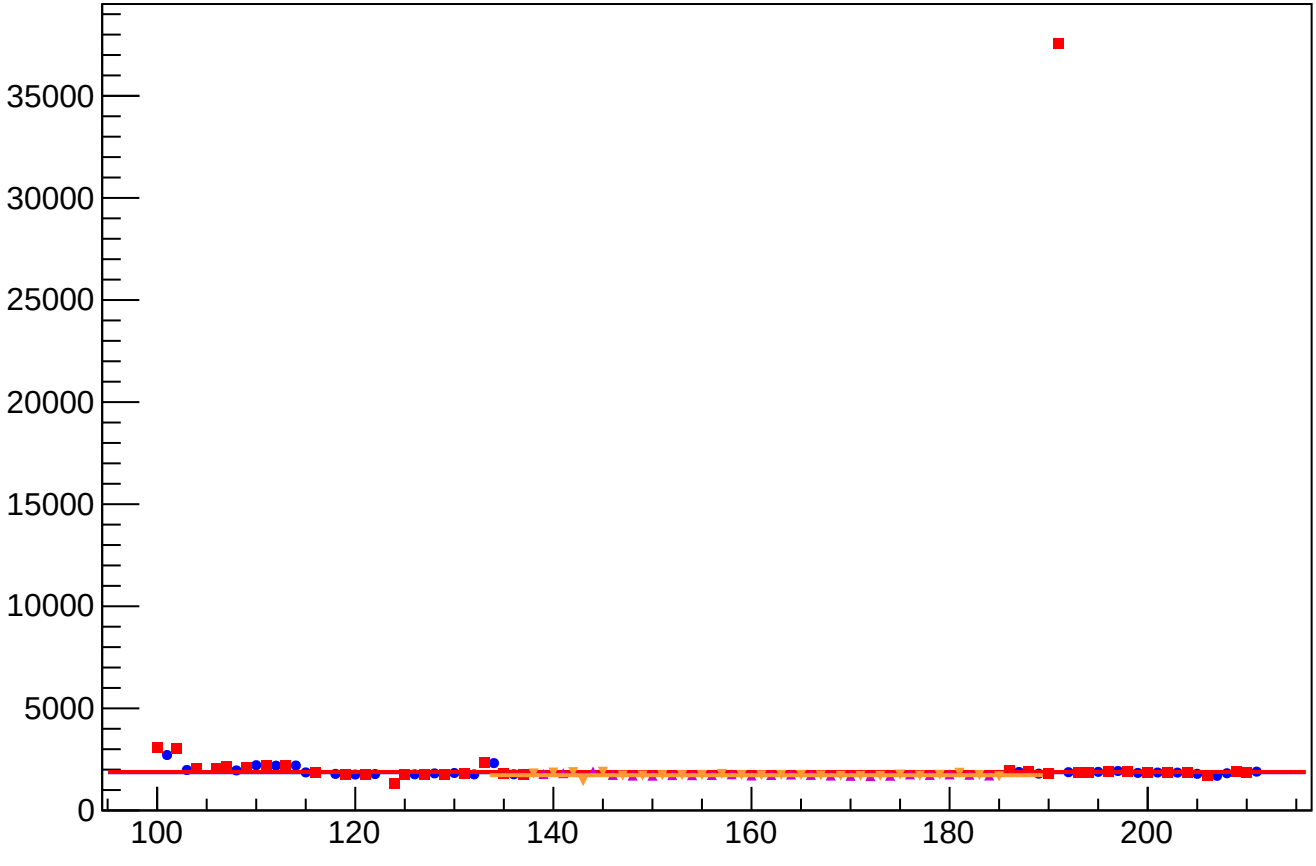
Right: 2025.969+/-322.236 χ^2/NDF: 52.7/60

In: 2532.397+/-305.278 χ^2/NDF:39.4/50

Out: 1296.027+/-296.225 χ^2/NDF:50.0/57

All: 1895.607+/-212.591 χ^2/NDF: 97.9/108

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1871.965+/-0.326 χ^2/NDF: 252022.6/27

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1884.839+/-0.319 χ^2/NDF: 520953.5/32

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

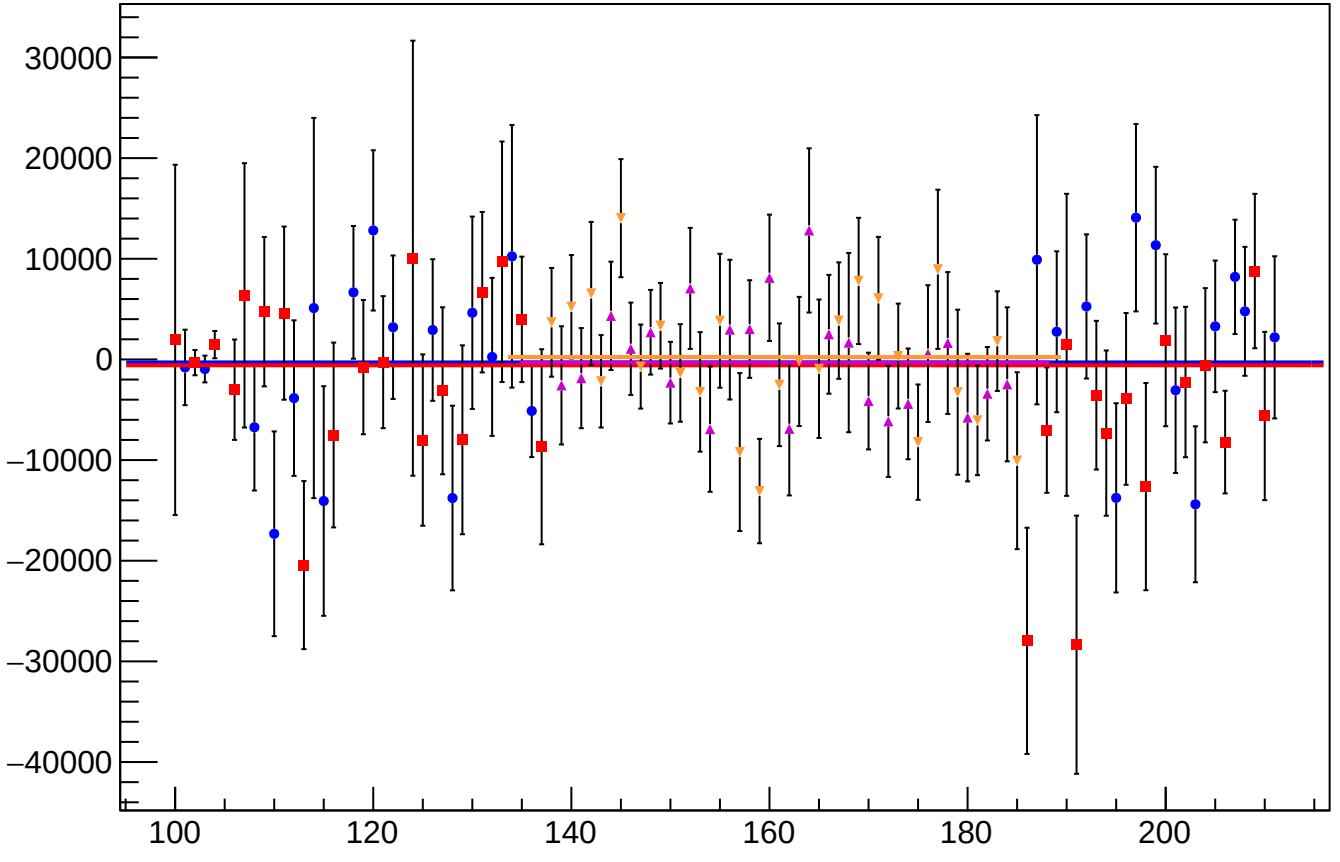
Right: 1878.546+/-0.228 χ^2/NDF: 773774.1/60

In: 1800.522+/-0.216 χ^2/NDF:364509.0/50

Out: 1795.314+/-0.209 χ^2/NDF:770174.9/57

All: 1797.839+/-0.150 χ^2/NDF: 1134983.7/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.816+/-964.713 χ^2/NDF: 28.9/27

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -585.070+/-778.275 χ^2/NDF: 32.8/32

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

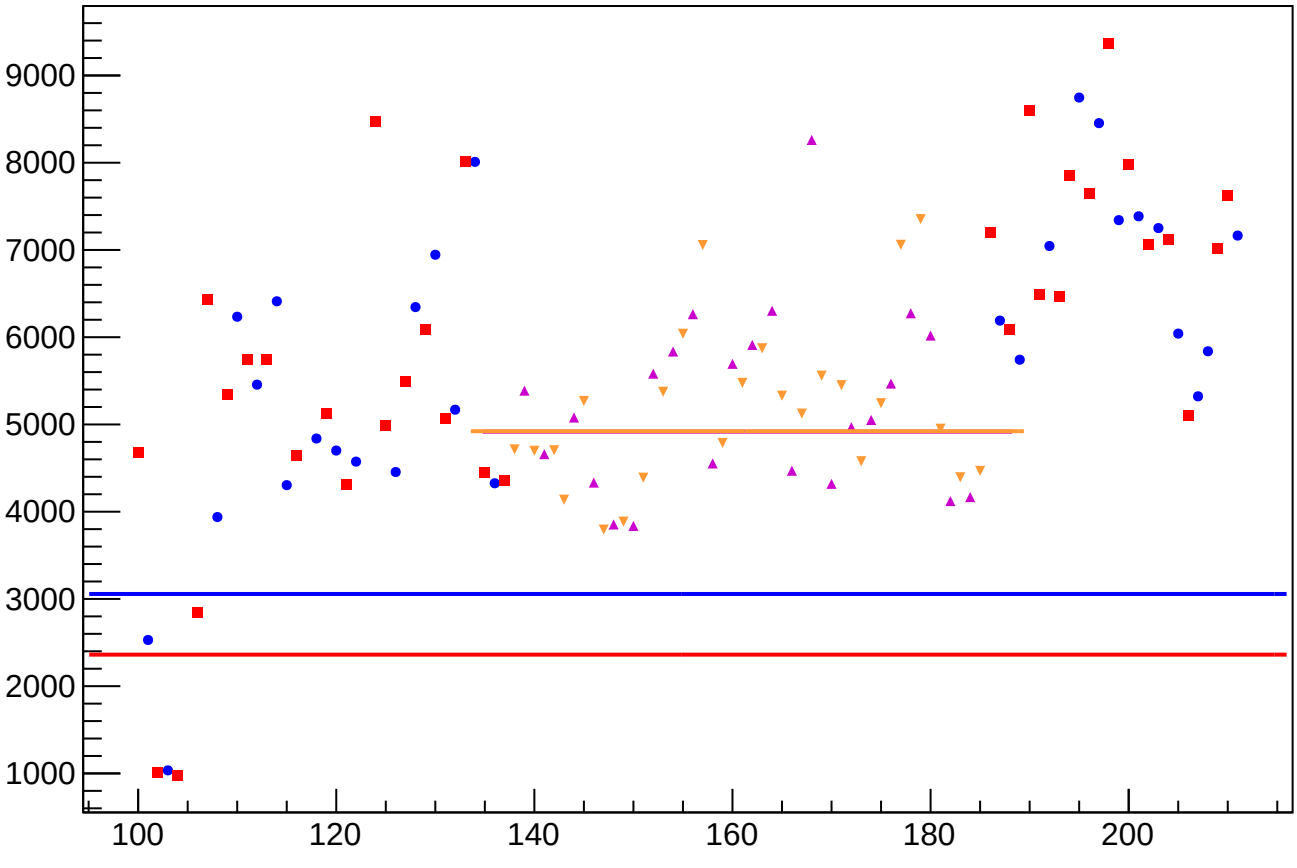
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -472.610+/-605.733 χ^2/NDF: 61.8/60

In: -302.360+/-744.584 χ^2/NDF:43.4/50

Out: -322.718+/-642.941 χ^2/NDF:59.9/57

All: -314.022+/-486.628 χ^2/NDF: 103.3/108


asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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100
120
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160
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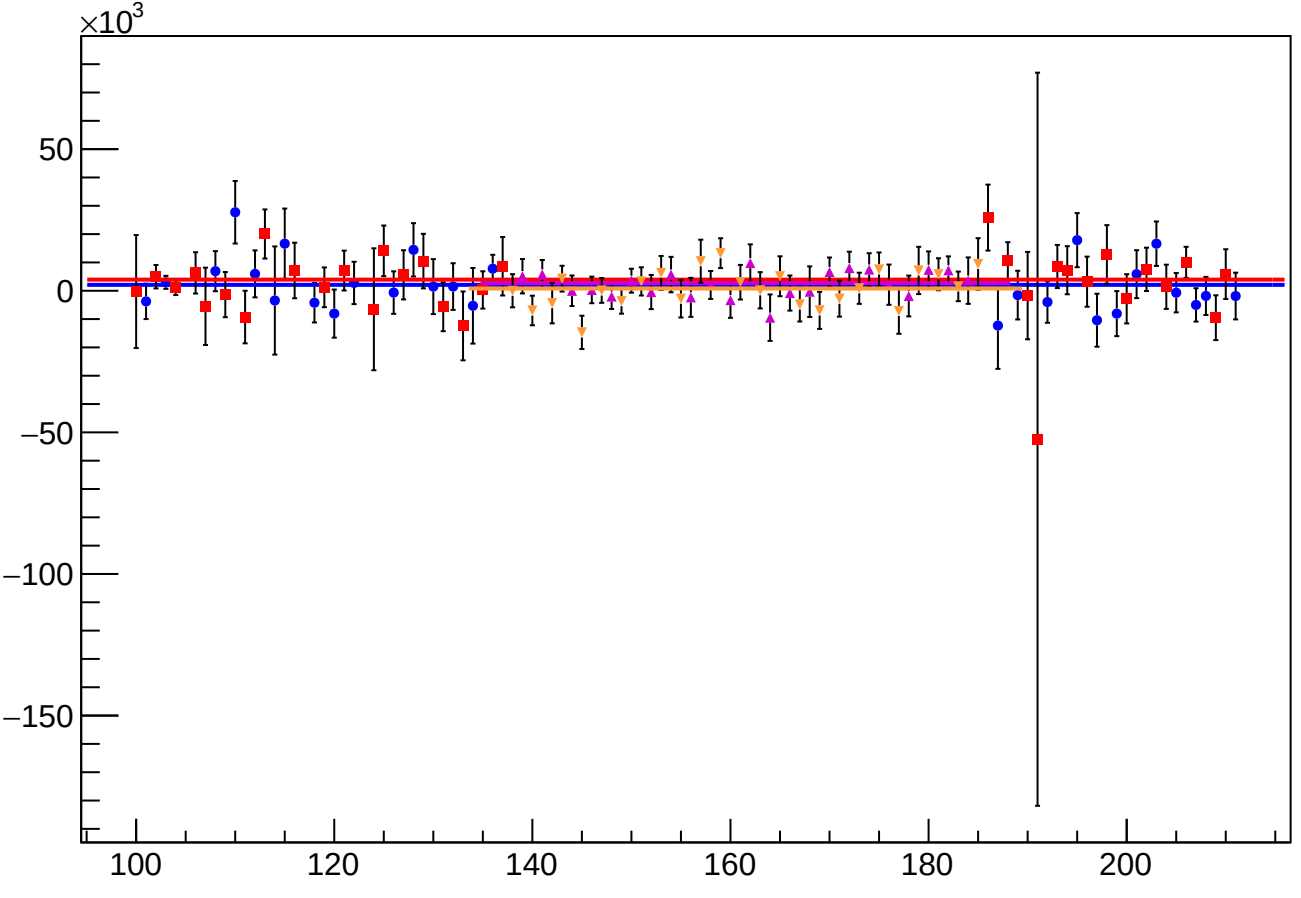
Right In: 3056.920+/-0.682 χ²/NDF: 12474035.4/27
Left Out: 4922.388+/-0.807 χ²/NDF:1050409.4/24
Right Out: 2361.550+/-0.550 χ²/NDF: 17583243.8/32
Left In: 4916.972+/-0.828 χ²/NDF:1161645.9/22
Left: 4919.750+/-0.578 χ²/NDF: 2212077.2/47
Right: 2635.696+/-0.428 χ²/NDF: 30686730.6/60
In: 3808.930+/-0.527 χ²/NDF:16641633.0/50
Out: 3174.721+/-0.455 χ²/NDF:25509528.3/57
All: 3445.615+/-0.344 χ²/NDF: 42982385.3/1



Right In: 2093.865+/-1276.947 χ^2/NDF: 28.1/27

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3932.585+/-1277.795 χ^2/NDF: 25.1/32

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

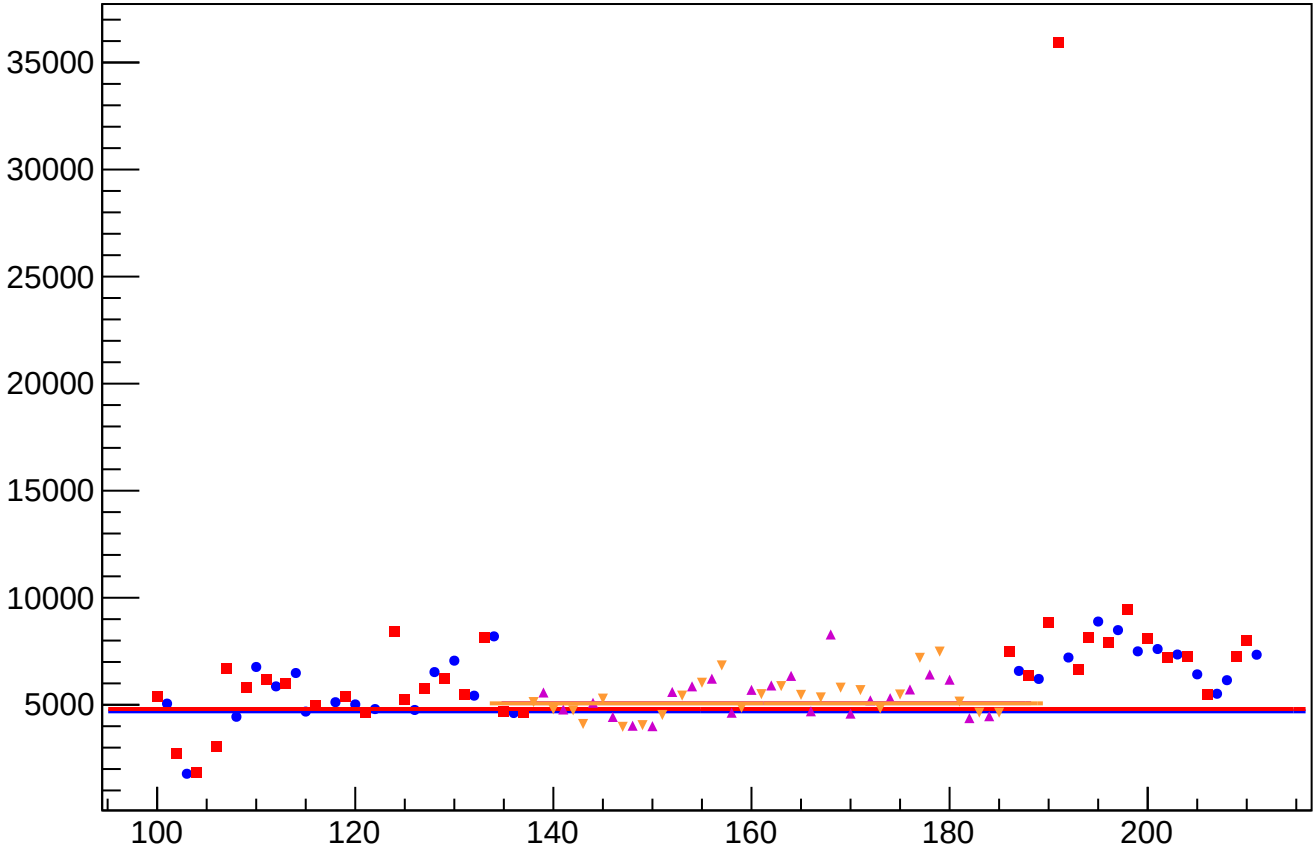
Right: 3012.615+/-903.238 χ^2/NDF: 54.2/60

In: 2417.091+/-876.888 χ^2/NDF:40.1/50

Out: 2224.679+/-863.698 χ^2/NDF:56.0/57

All: 2319.427+/-615.337 χ^2/NDF: 96.1/108

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4695.523+/-0.903 χ^2/NDF: 5951663.4/27

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4804.054+/-0.897 χ^2/NDF: 6435571.8/32

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

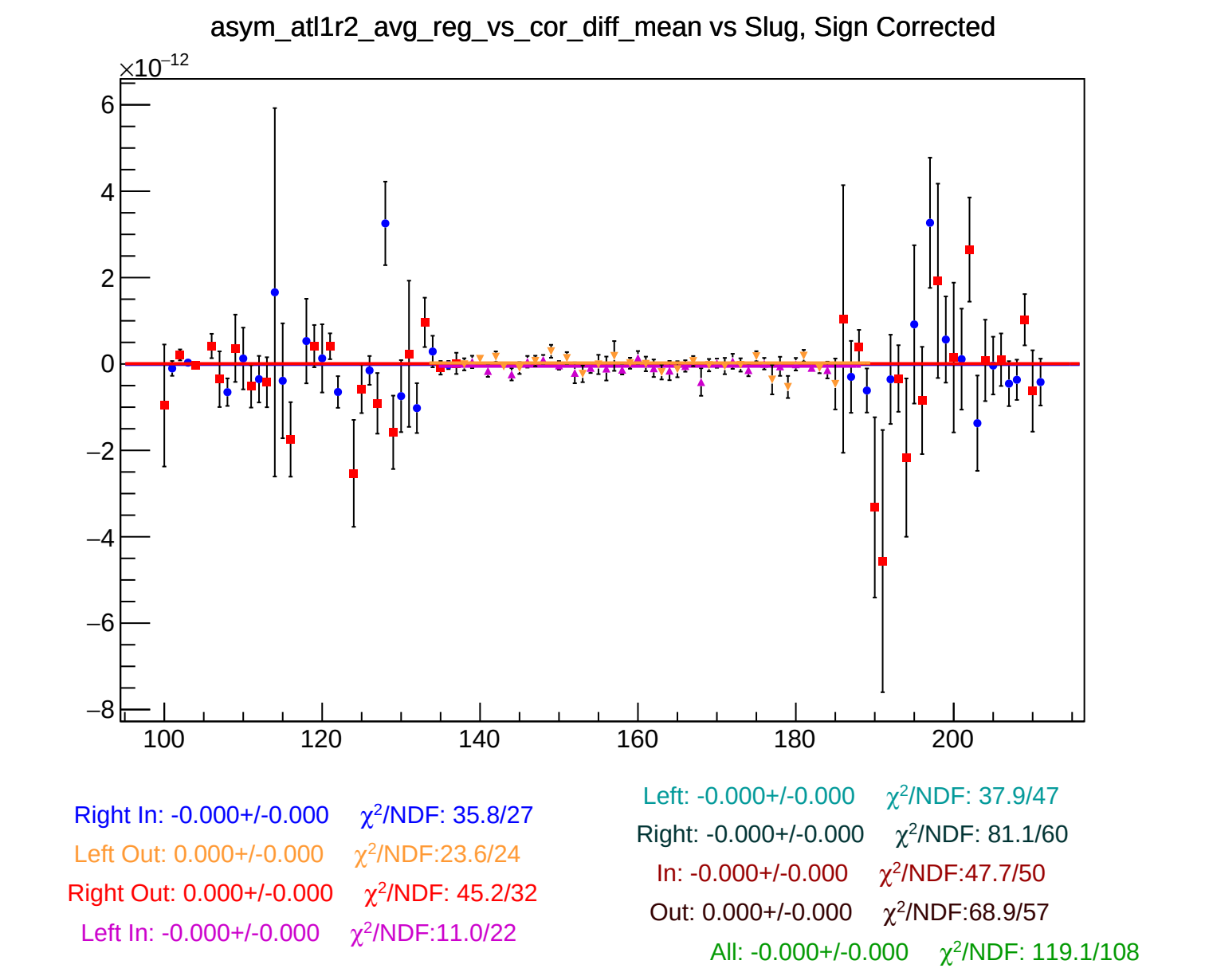
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

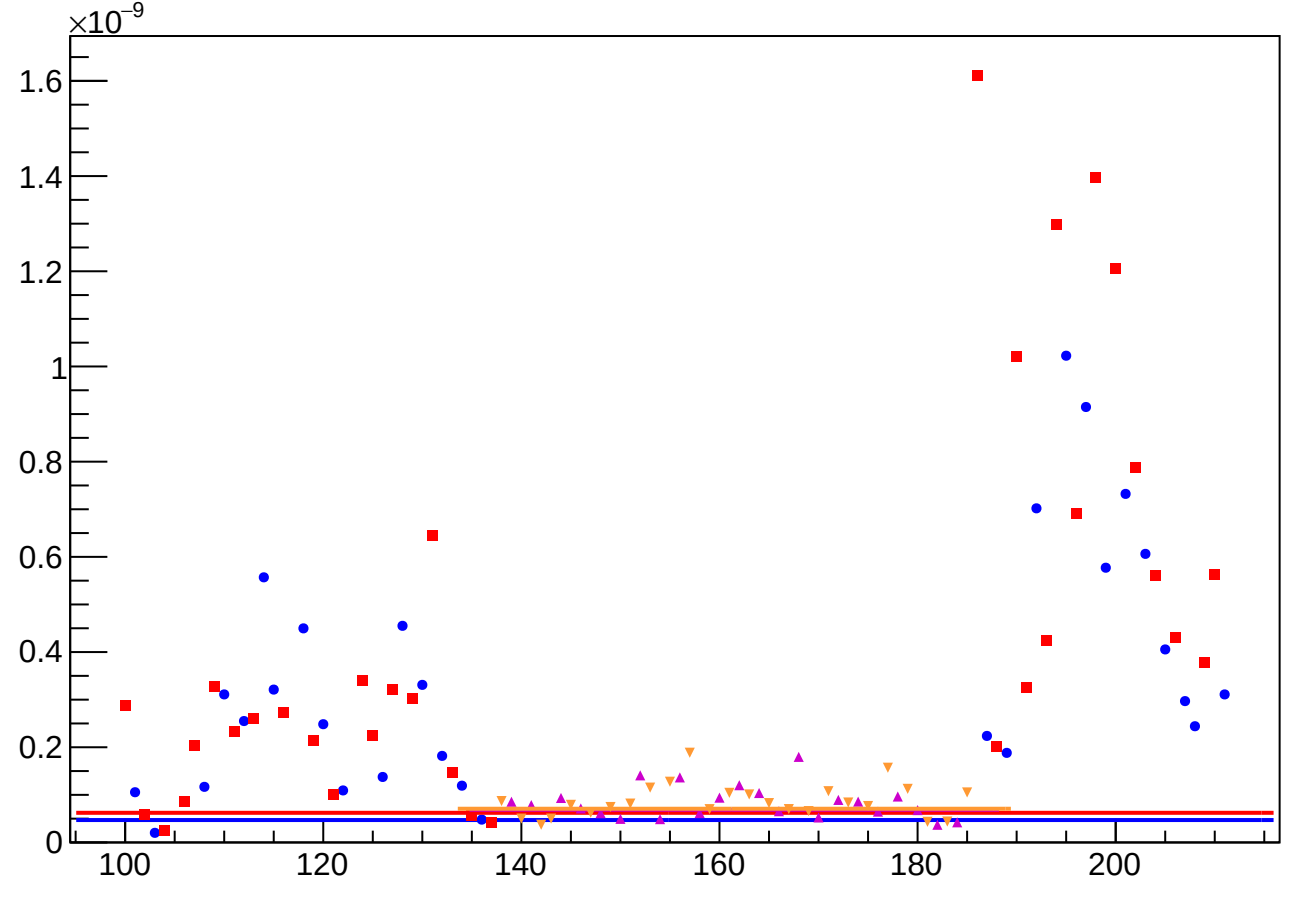
Right: 4750.123+/-0.637 χ^2/NDF: 12394503.5/60

In: 4898.543+/-0.620 χ^2/NDF:7048573.9/50

Out: 4946.459+/-0.609 χ^2/NDF:7436481.5/57

All: 4922.939+/-0.434 χ^2/NDF: 14488095.8/1


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: 35.8/27
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.2/32
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: 81.1/60
In: -0.000+/-0.000 χ²/NDF:47.7/50
Out: 0.000+/-0.000 χ²/NDF:68.9/57
All: -0.000+/-0.000 χ²/NDF: 119.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 9183899.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10853678.2/32

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

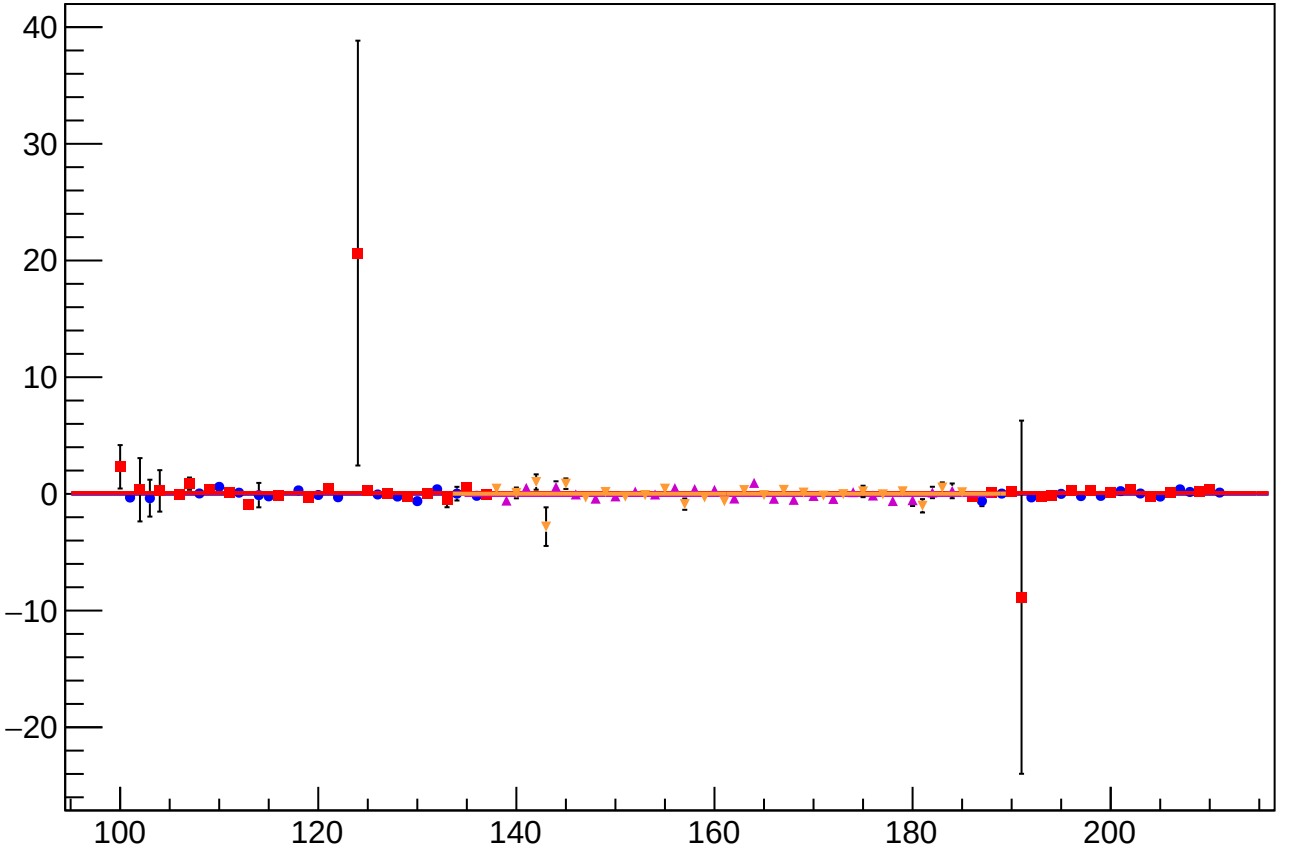
Right: 0.000+/-0.000 χ^2/NDF: 20181238.4/60

In: 0.000+/-0.000 χ^2/NDF:11058770.7/50

Out: 0.000+/-0.000 χ^2/NDF:12395547.8/57

All: 0.000+/-0.000 χ^2/NDF: 23576060.5/108

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.075+/-0.047 χ^2/NDF: 31.8/32

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

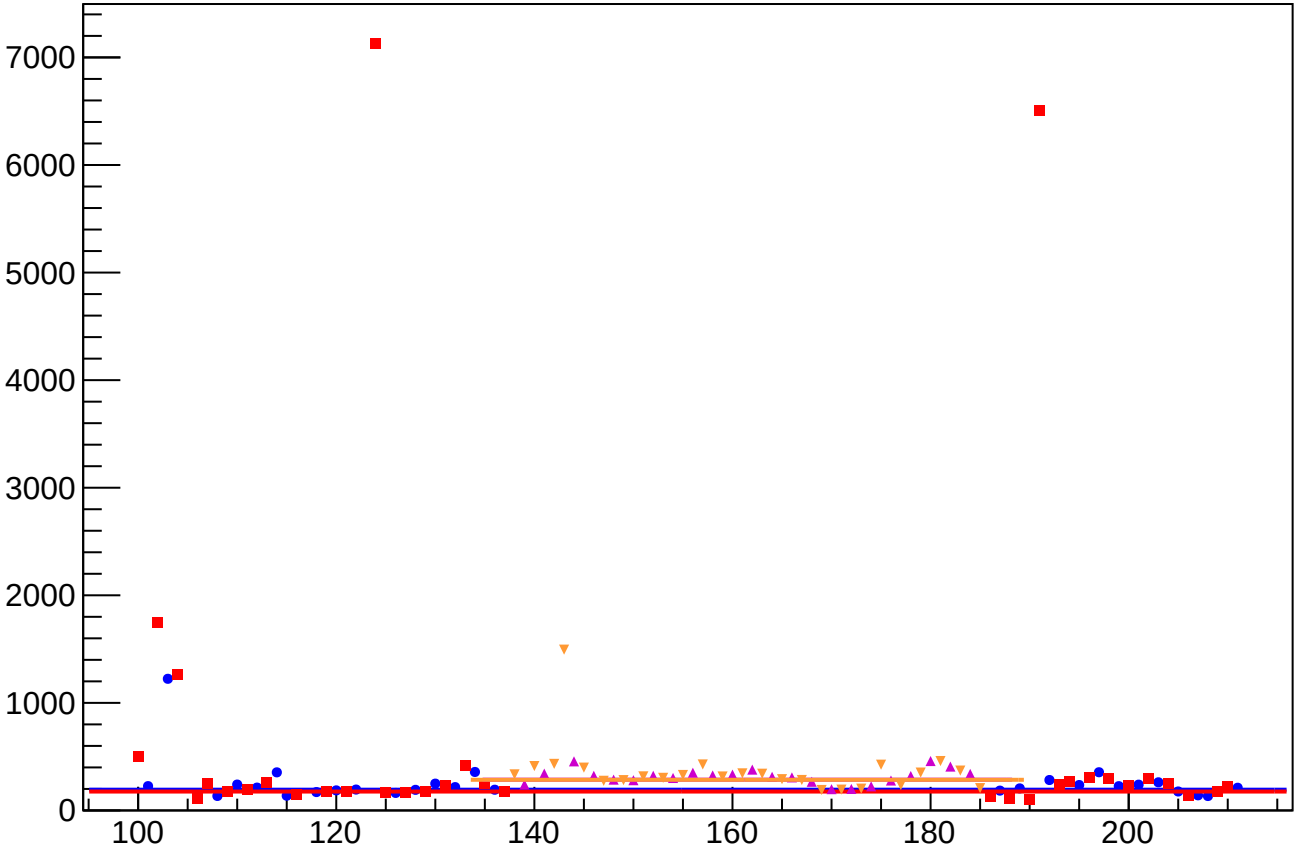
Right: 0.047+/-0.035 χ^2/NDF: 57.4/60

In: -0.022+/-0.041 χ^2/NDF:57.2/50

Out: 0.056+/-0.039 χ^2/NDF:60.6/57

All: 0.019+/-0.028 χ^2/NDF: 119.7/108

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.064+/-0.036 χ^2/NDF: 2712243.7/27

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.724+/-0.033 χ^2/NDF: 5438449.0/32

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

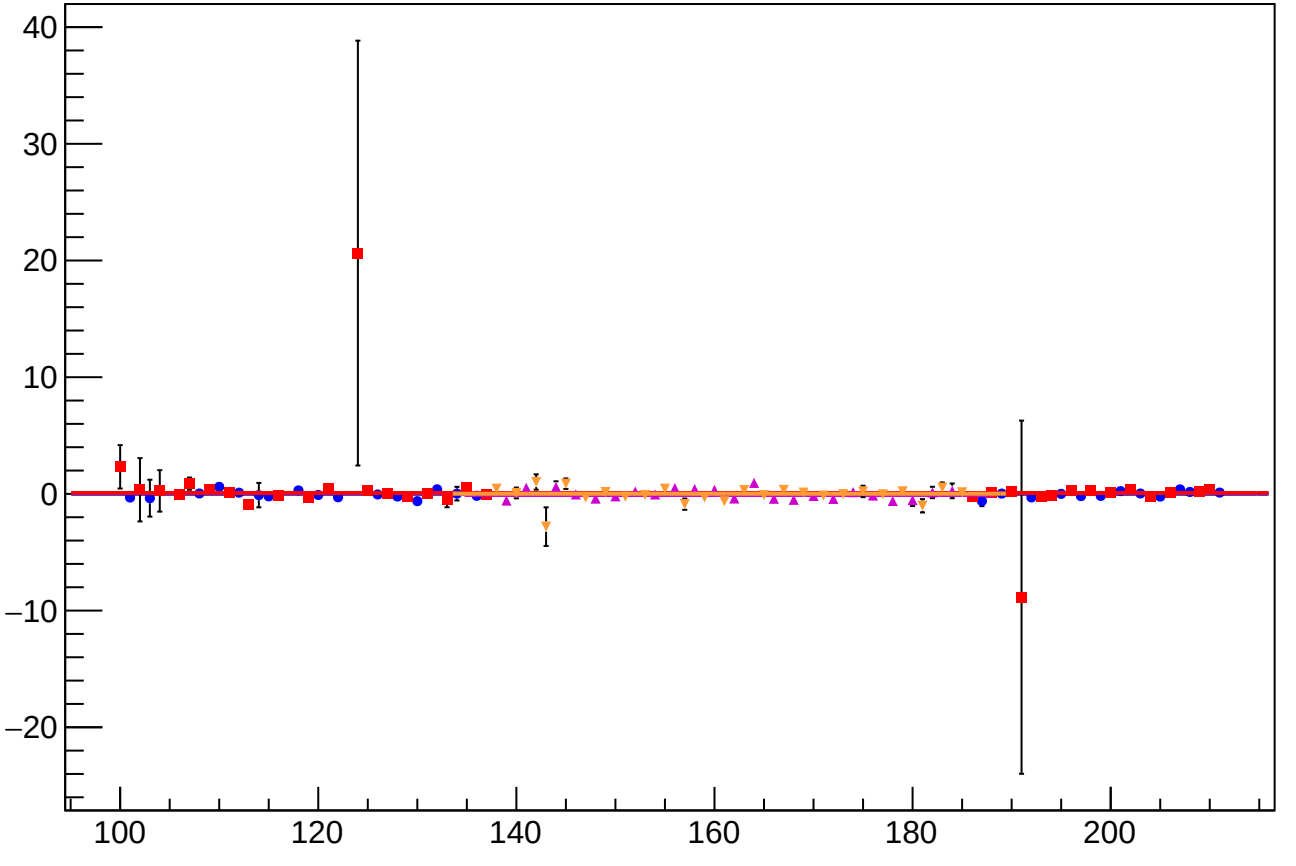
Right: 183.670+/-0.025 χ^2/NDF: 8274378.5/60

In: 225.259+/-0.029 χ^2/NDF:6725663.5/50

Out: 210.012+/-0.028 χ^2/NDF:12210065.8/57

All: 217.187+/-0.020 χ^2/NDF: 19078829.0/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.075+/-0.047 χ^2/NDF: 31.8/32

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

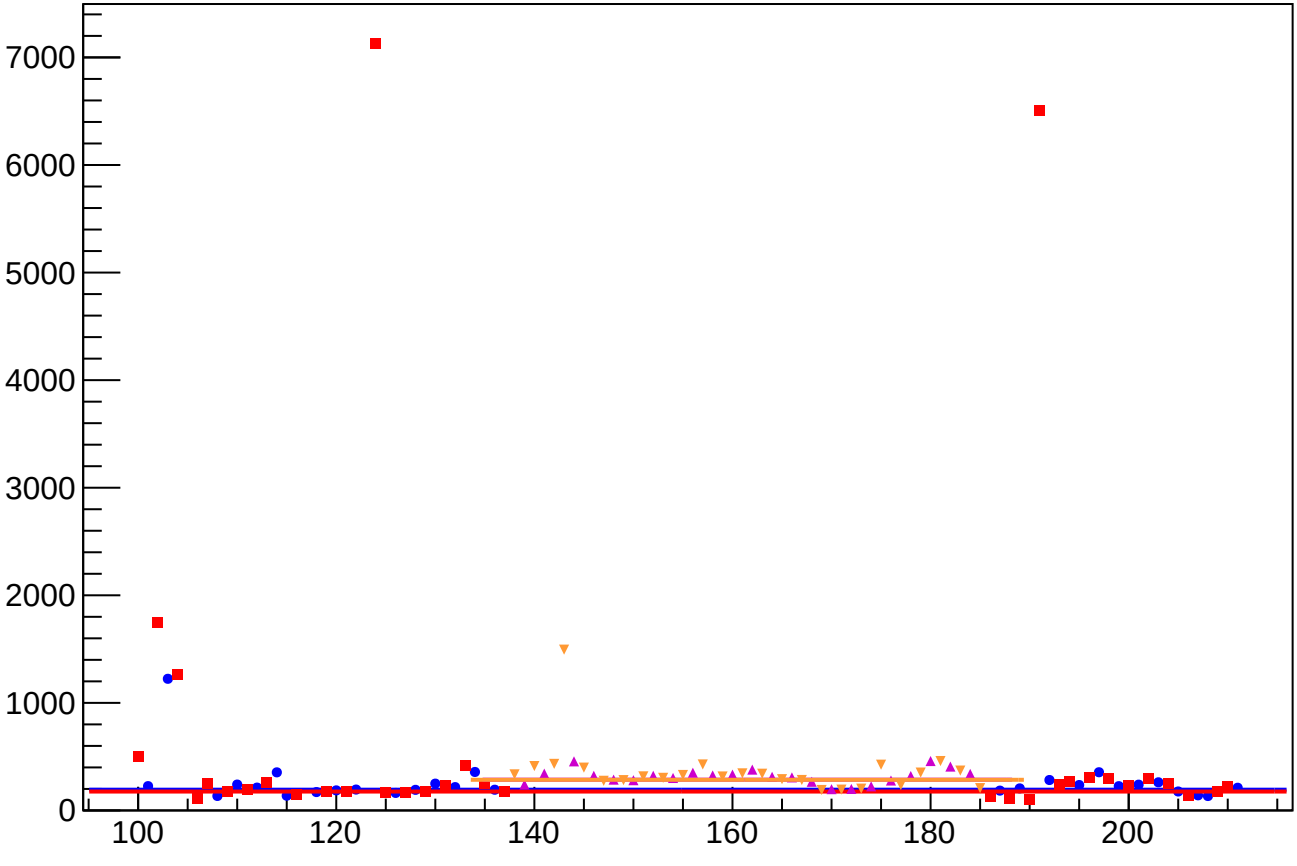
Right: 0.047+/-0.035 χ^2/NDF: 57.4/60

In: -0.022+/-0.041 χ^2/NDF:57.2/50

Out: 0.056+/-0.039 χ^2/NDF:60.6/57

All: 0.019+/-0.028 χ^2/NDF: 119.7/108

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.064+/-0.036 χ^2/NDF: 2712243.7/27

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.724+/-0.033 χ^2/NDF: 5438449.0/32

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

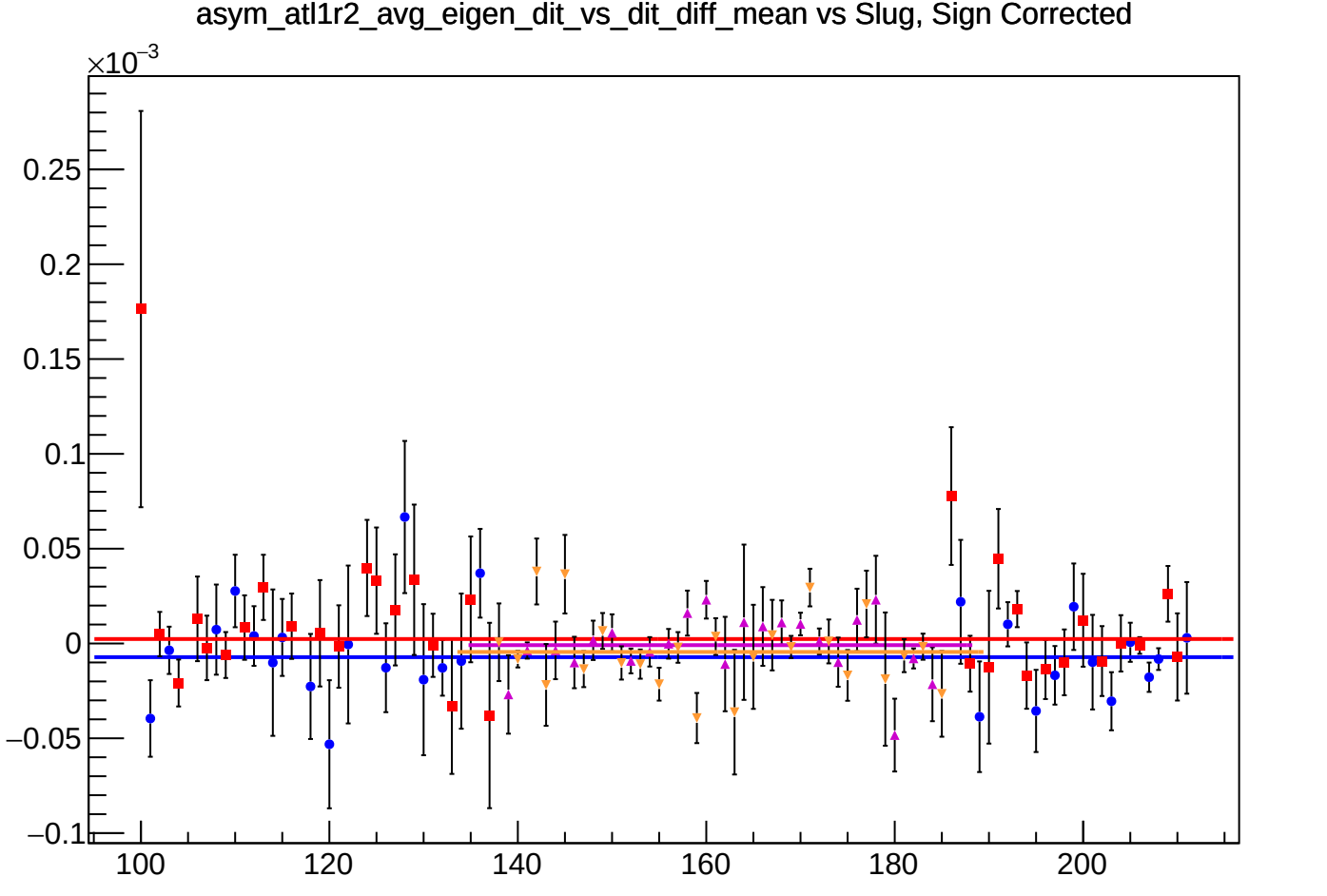
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 183.670+/-0.025 χ^2/NDF: 8274378.5/60

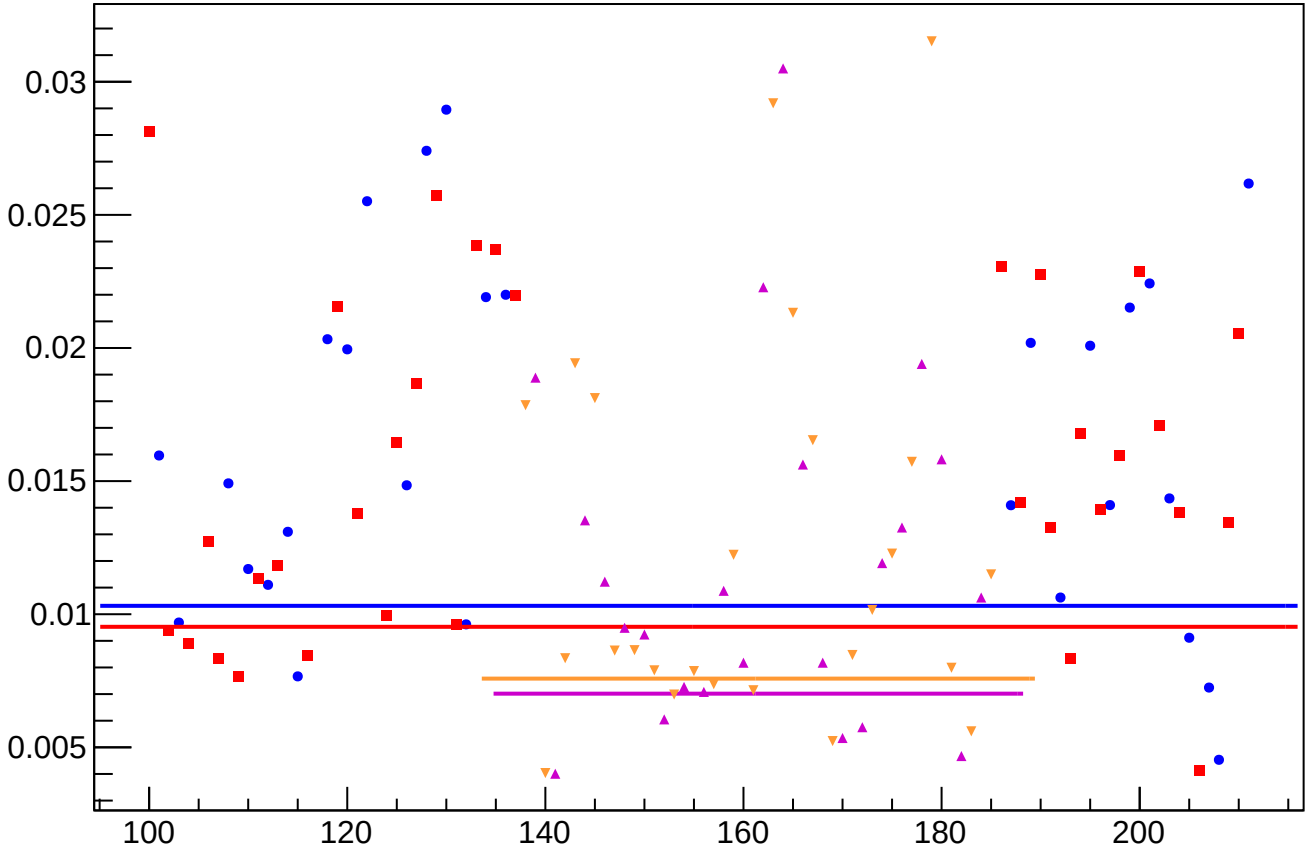
In: 225.259+/-0.029 χ^2/NDF:6725663.5/50

Out: 210.012+/-0.028 χ^2/NDF:12210065.8/57

All: 217.187+/-0.020 χ^2/NDF: 19078829.0/10


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: 29.1/27
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.7/32
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: 68.8/60
In: -0.000+/-0.000 χ²/NDF:61.4/50
Out: -0.000+/-0.000 χ²/NDF:82.0/57
All: -0.000+/-0.000 χ²/NDF: 143.5/108

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 7418930.7/27

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.010+/-0.000 χ^2/NDF: 8403891.0/32

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

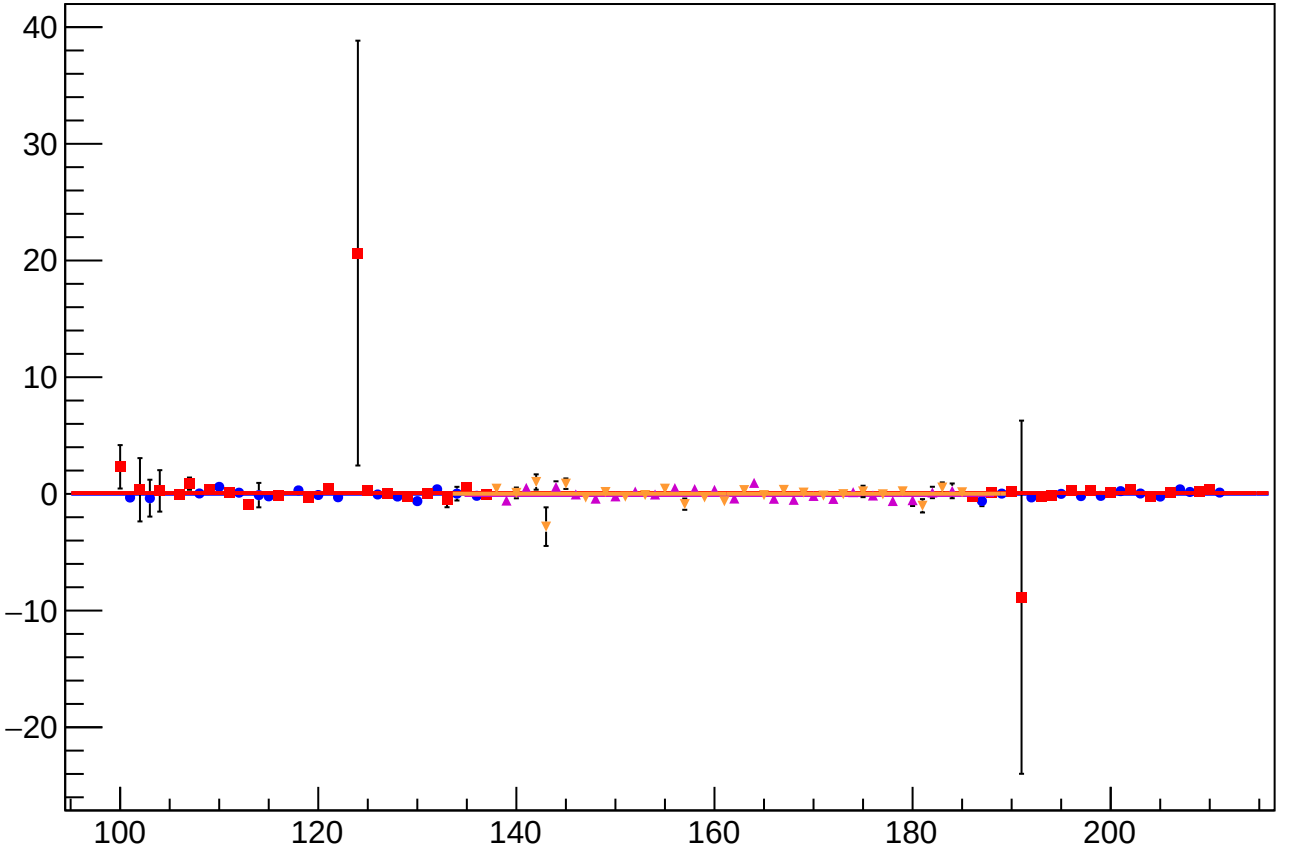
Right: 0.010+/-0.000 χ^2/NDF: 15902949.1/60

In: 0.008+/-0.000 χ^2/NDF:15924591.9/50

Out: 0.008+/-0.000 χ^2/NDF:16463481.3/57

All: 0.008+/-0.000 χ^2/NDF: 32423616.2/108

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.075+/-0.047 χ^2/NDF: 31.8/32

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

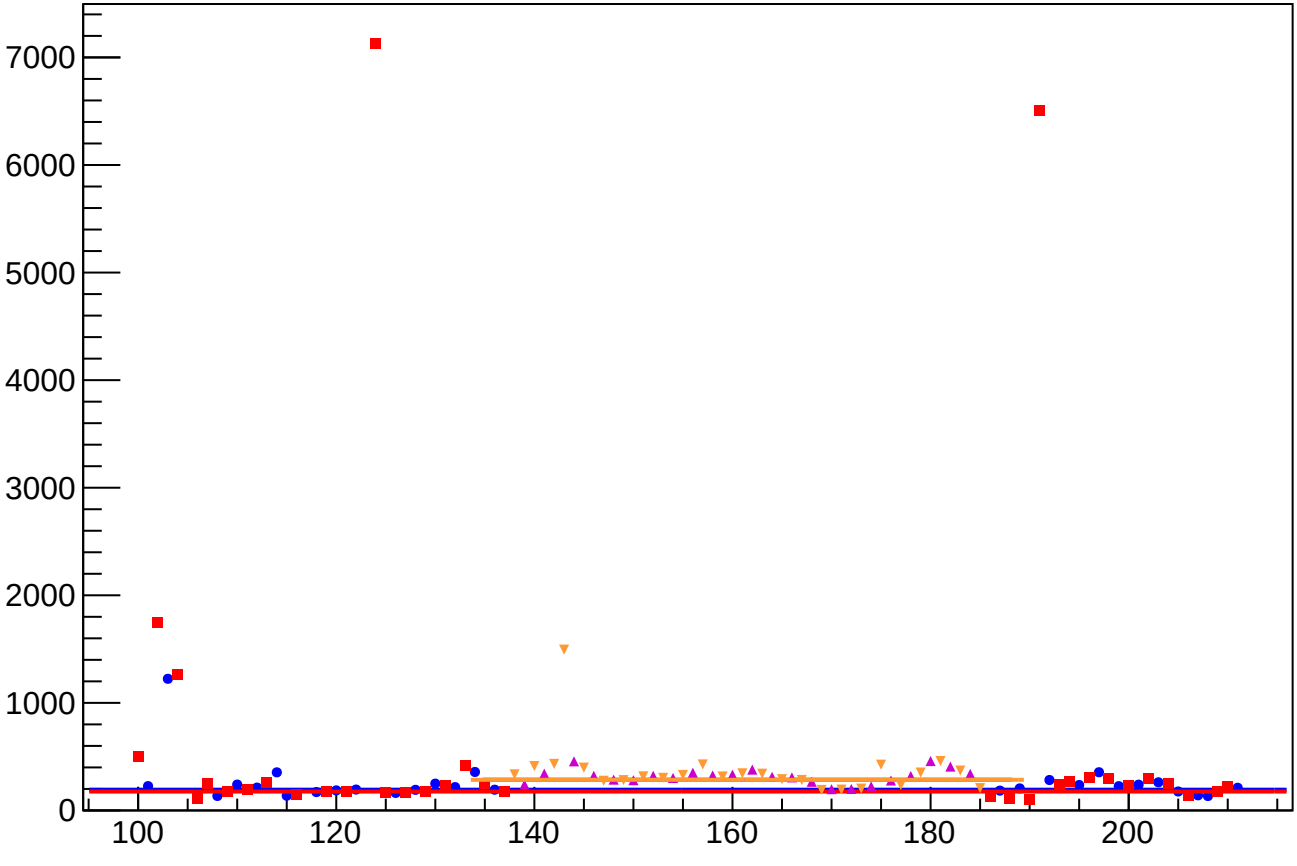
Right: 0.047+/-0.035 χ^2/NDF: 57.4/60

In: -0.022+/-0.041 χ^2/NDF:57.2/50

Out: 0.056+/-0.039 χ^2/NDF:60.6/57

All: 0.019+/-0.028 χ^2/NDF: 119.7/108

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.063+/-0.036 χ^2/NDF: 2712265.1/27

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.722+/-0.033 χ^2/NDF: 5438594.1/32

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

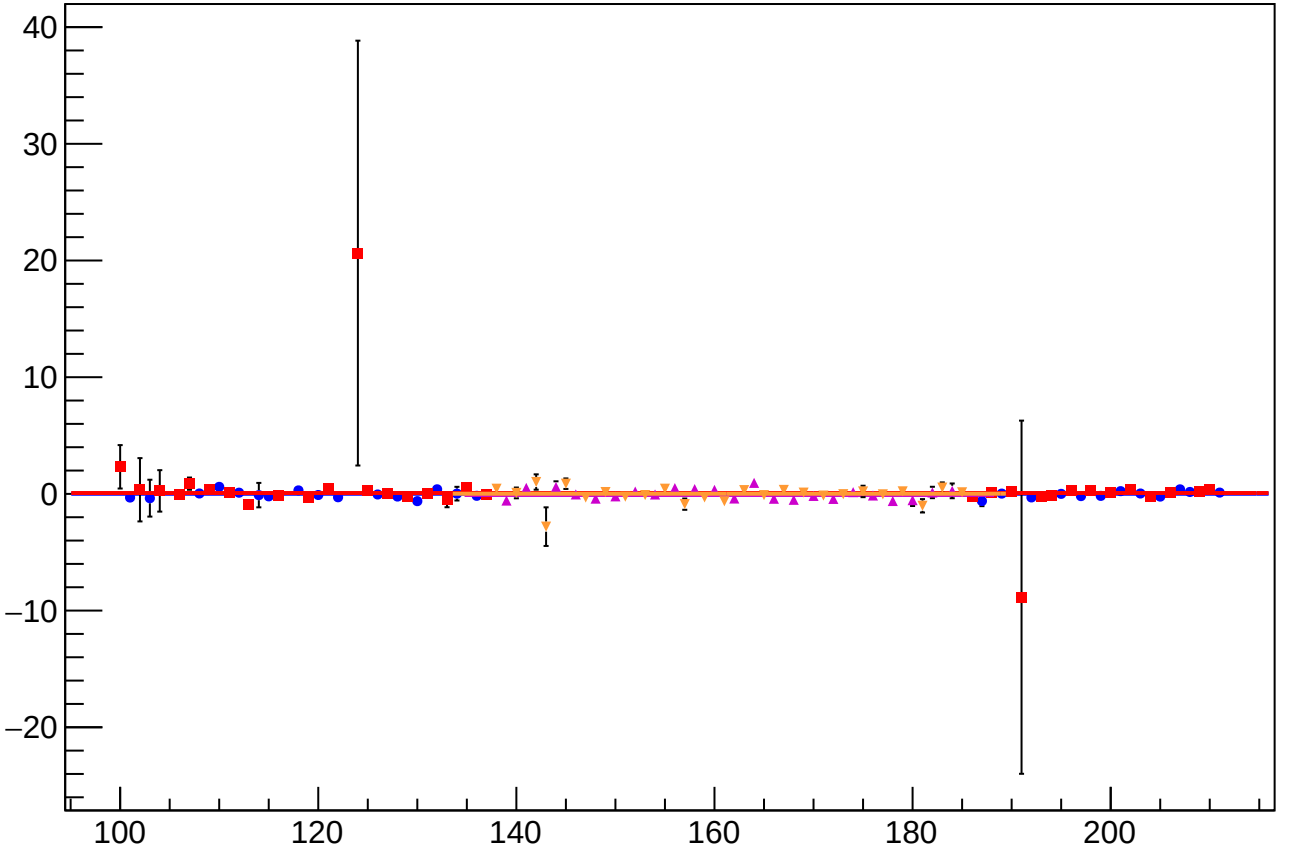
Right: 183.668+/-0.025 χ^2/NDF: 8274569.6/60

In: 225.259+/-0.029 χ^2/NDF:6725859.7/50

Out: 210.010+/-0.028 χ^2/NDF:12210531.9/57

All: 217.186+/-0.020 χ^2/NDF: 19079520.7/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.051 χ^2/NDF: 24.9/27

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.075+/-0.047 χ^2/NDF: 31.8/32

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

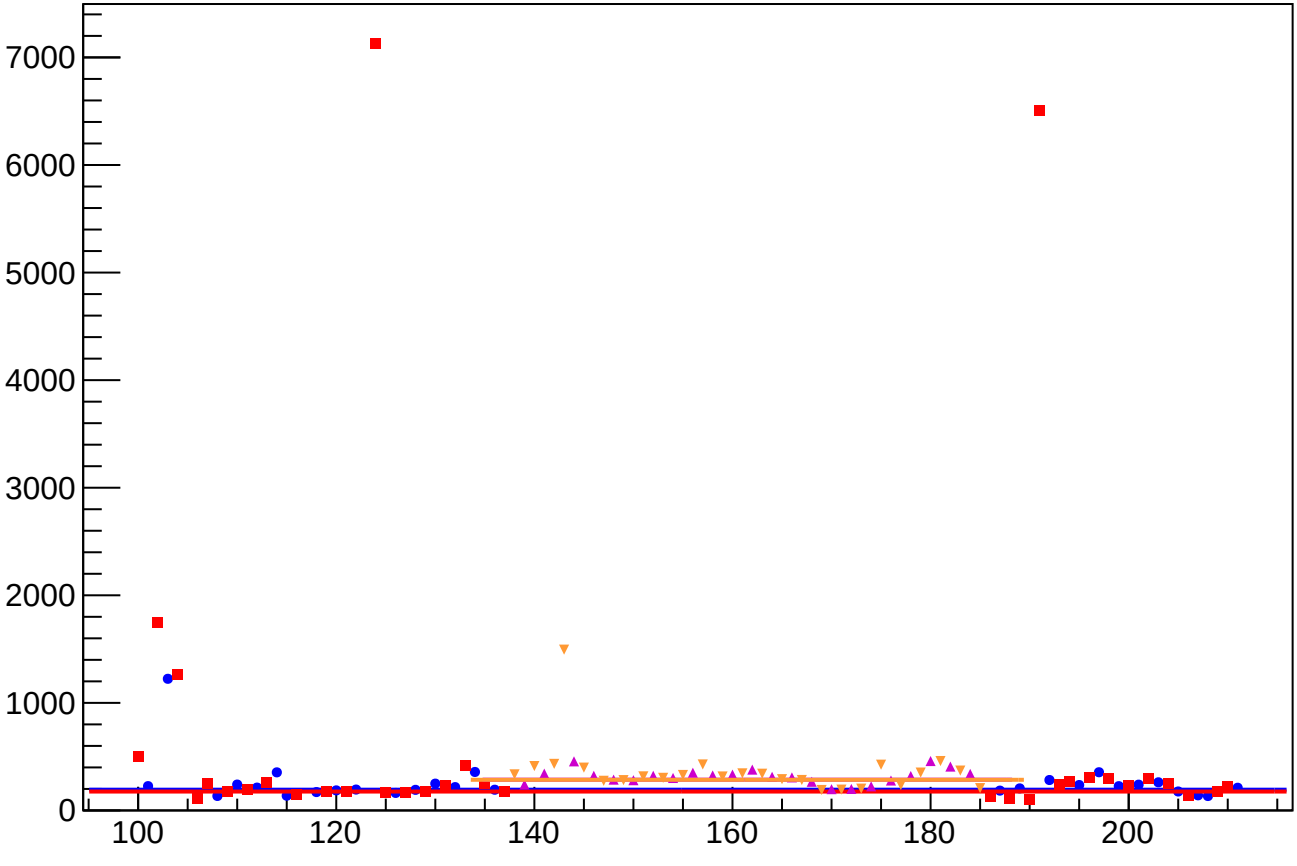
Right: 0.047+/-0.035 χ^2/NDF: 57.4/60

In: -0.022+/-0.041 χ^2/NDF:57.2/50

Out: 0.056+/-0.039 χ^2/NDF:60.6/57

All: 0.019+/-0.028 χ^2/NDF: 119.7/108

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.063+/-0.036 χ^2/NDF: 2712265.1/27

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.722+/-0.033 χ^2/NDF: 5438594.1/32

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

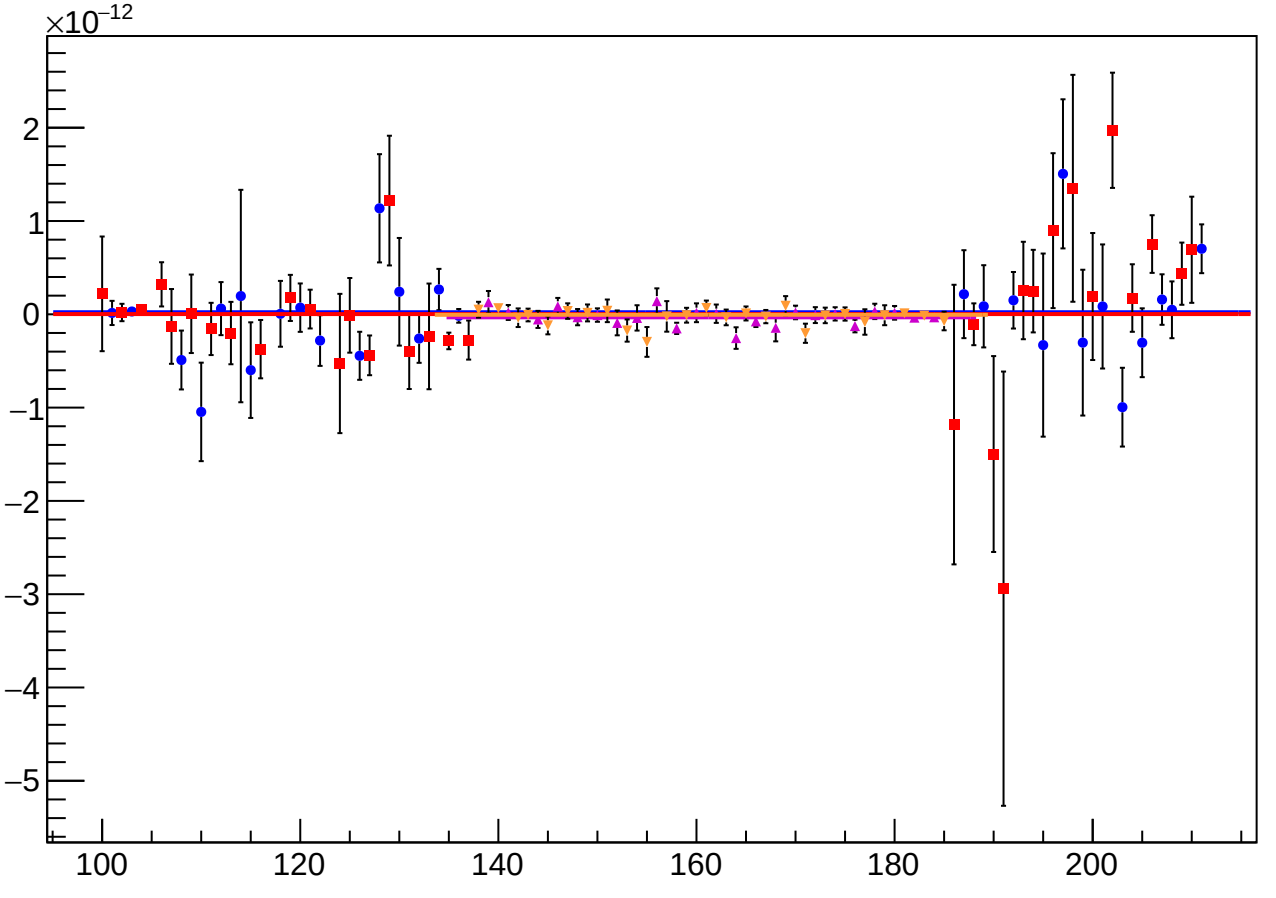
Right: 183.668+/-0.025 χ^2/NDF: 8274569.6/60

In: 225.259+/-0.029 χ^2/NDF:6725859.7/50

Out: 210.010+/-0.028 χ^2/NDF:12210531.9/57

All: 217.186+/-0.020 χ^2/NDF: 19079520.7/10

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.5/32

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

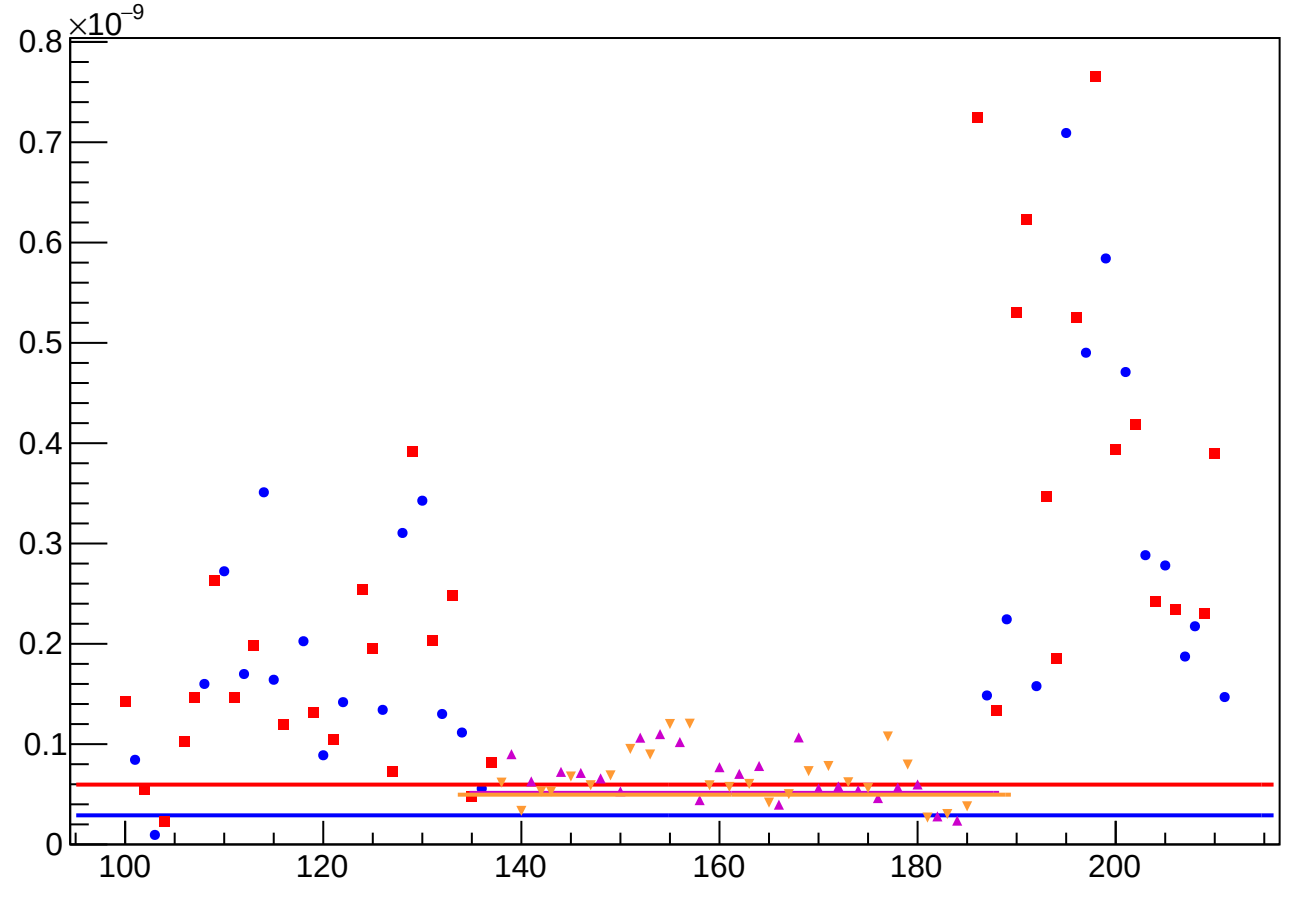
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 92.0/60

In: -0.000+/-0.000 χ^2/NDF:60.4/50

Out: -0.000+/-0.000 χ^2/NDF:71.1/57

All: -0.000+/-0.000 χ^2/NDF: 131.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 14540248.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11246476.9/32

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

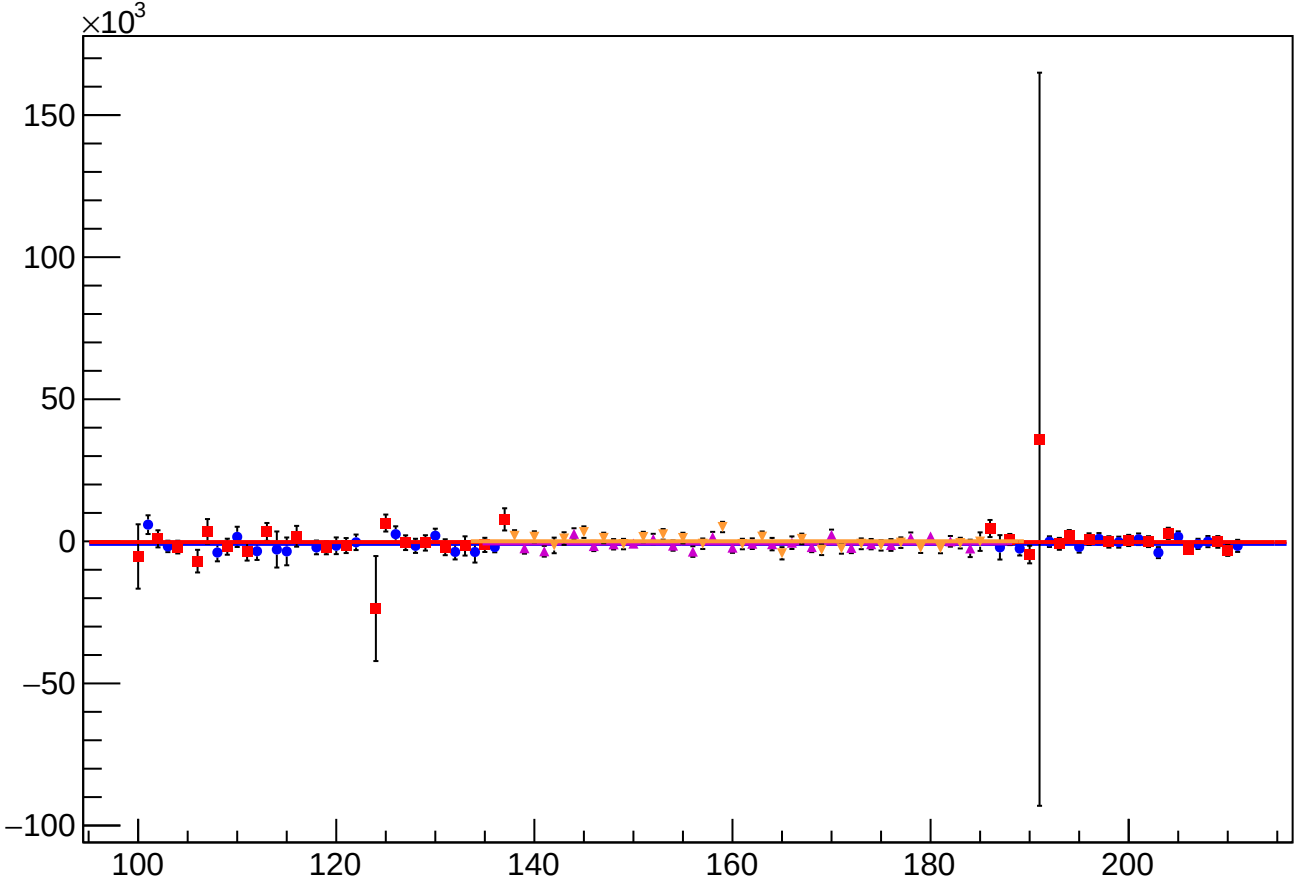
Right: 0.000+/-0.000 χ^2/NDF: 27203048.7/60

In: 0.000+/-0.000 χ^2/NDF:19722643.2/50

Out: 0.000+/-0.000 χ^2/NDF:15305724.5/57

All: 0.000+/-0.000 χ^2/NDF: 35471810.8/108

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -894.104+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -252.033+/-443.094 χ^2/NDF: 33.6/32

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

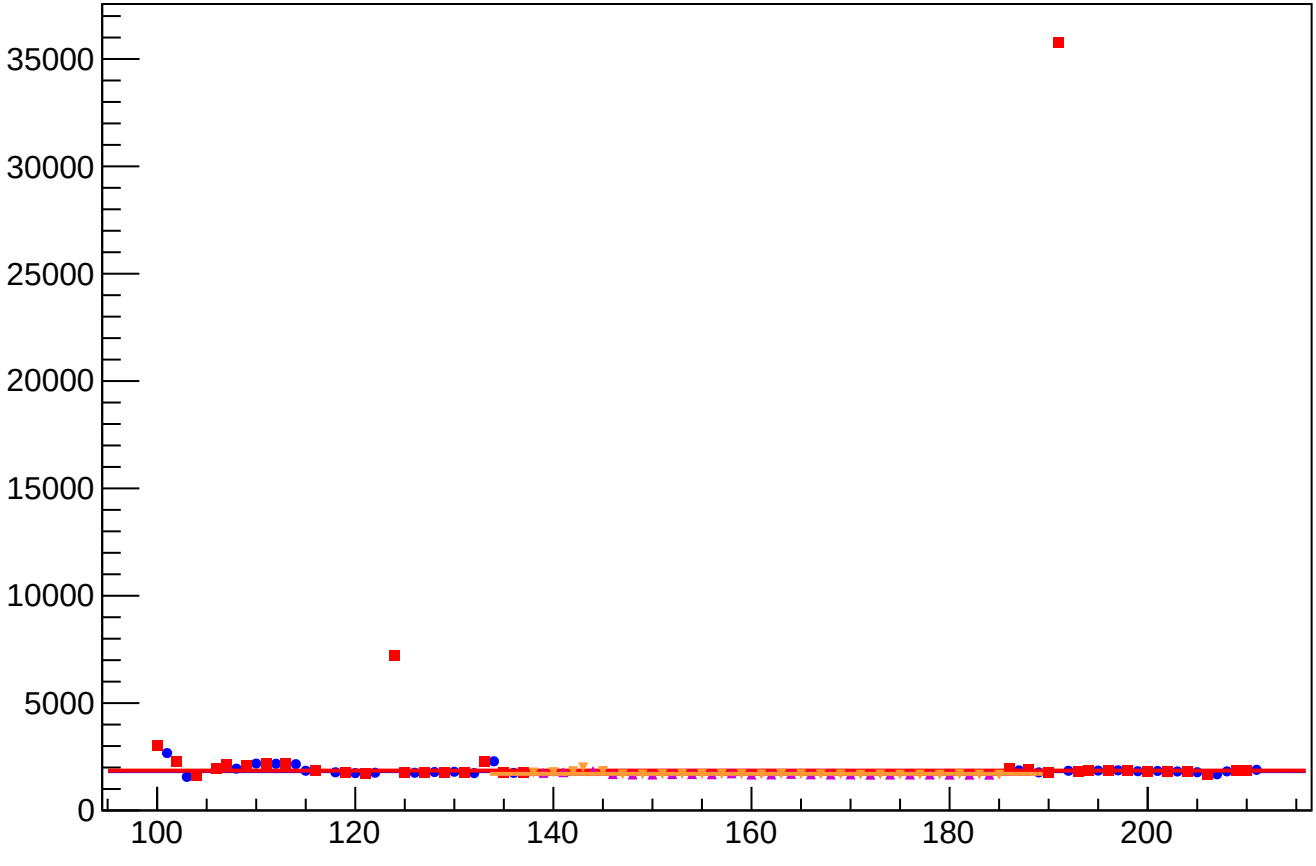
Right: -567.444+/-316.048 χ^2/NDF: 54.0/60

In: -795.625+/-297.739 χ^2/NDF:38.6/50

Out: -96.206+/-291.790 χ^2/NDF:63.3/57

All: -438.858+/-208.398 χ^2/NDF: 104.7/108

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1831.752+/-0.319 χ^2/NDF: 280622.6/27

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.039+/-0.313 χ^2/NDF: 535898.8/32

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

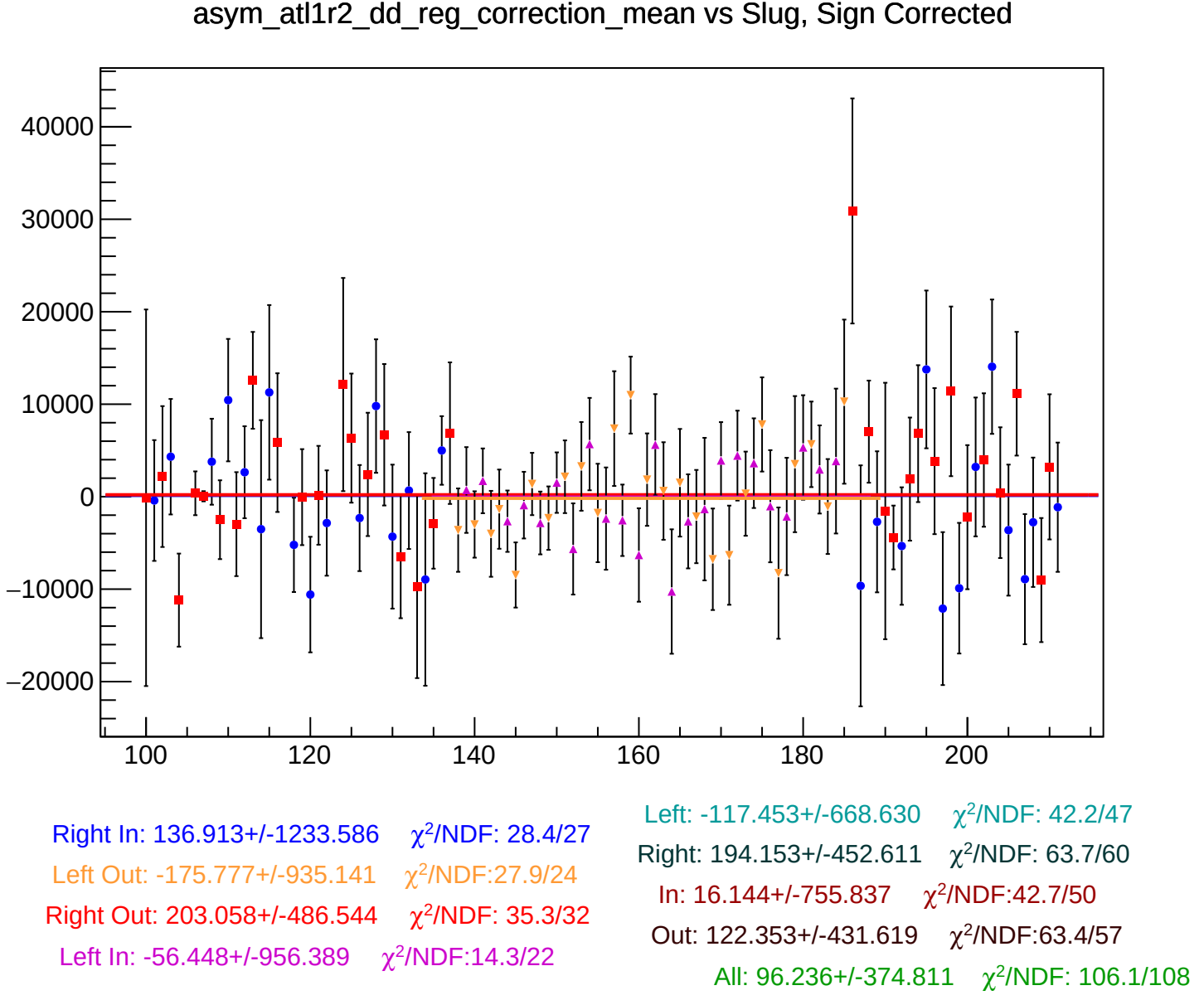
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

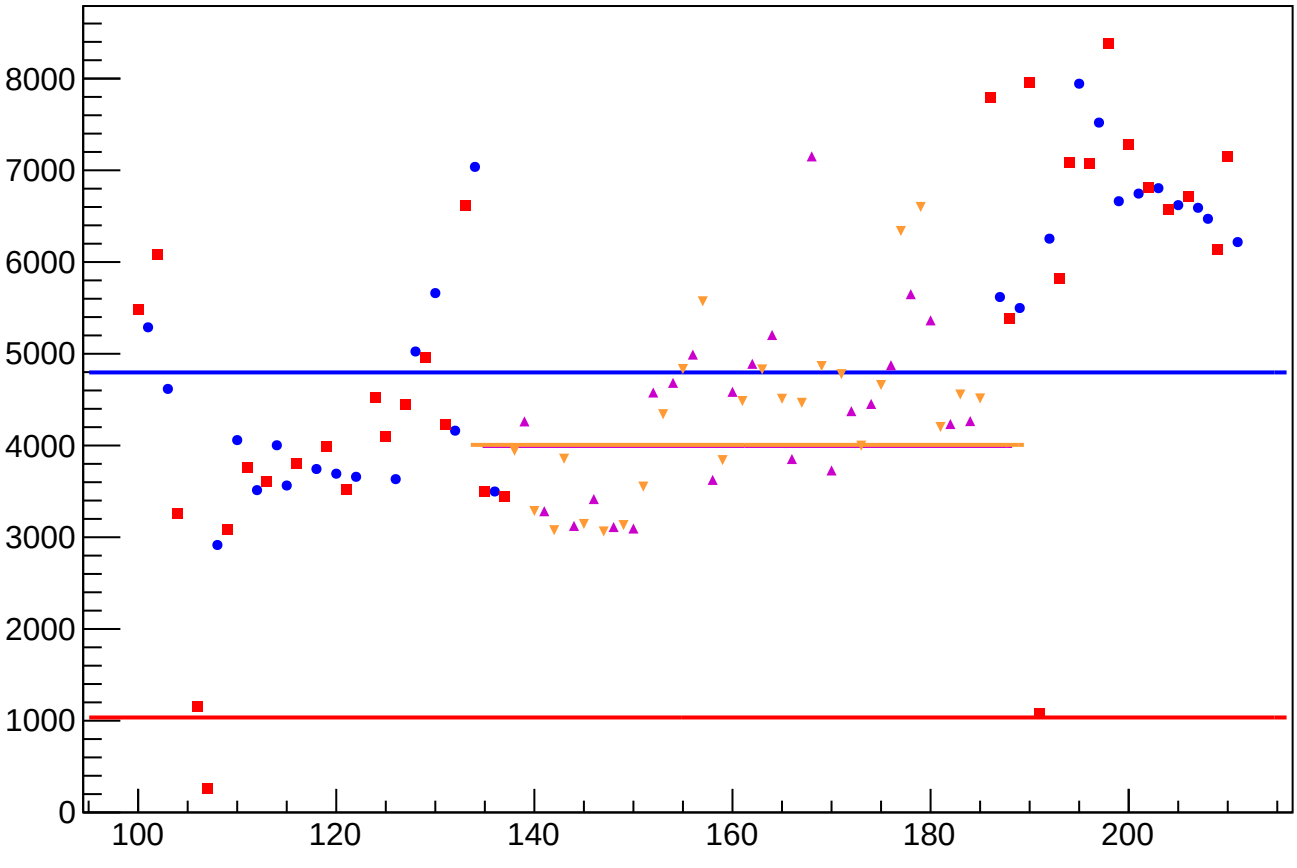
Right: 1844.119+/-0.223 χ^2/NDF: 819475.5/60

In: 1756.039+/-0.211 χ^2/NDF:401739.2/50

Out: 1770.926+/-0.206 χ^2/NDF:726469.5/57

All: 1763.636+/-0.147 χ^2/NDF: 1130760.3/10


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 136.913+/-1233.586 χ²/NDF: 28.4/27
Left Out: -175.777+/-935.141 χ²/NDF:27.9/24
Right Out: 203.058+/-486.544 χ²/NDF: 35.3/32
Left In: -56.448+/-956.389 χ²/NDF:14.3/22
Left: -117.453+/-668.630 χ²/NDF: 42.2/47
Right: 194.153+/-452.611 χ²/NDF: 63.7/60
In: 16.144+/-755.837 χ²/NDF:42.7/50
Out: 122.353+/-431.619 χ²/NDF:63.4/57
All: 96.236+/-374.811 χ²/NDF: 106.1/108



Right In: 4796.696+/-0.872 χ^2/NDF: 2725263.4/27

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1035.332+/-0.344 χ^2/NDF: 26258412.8/32

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

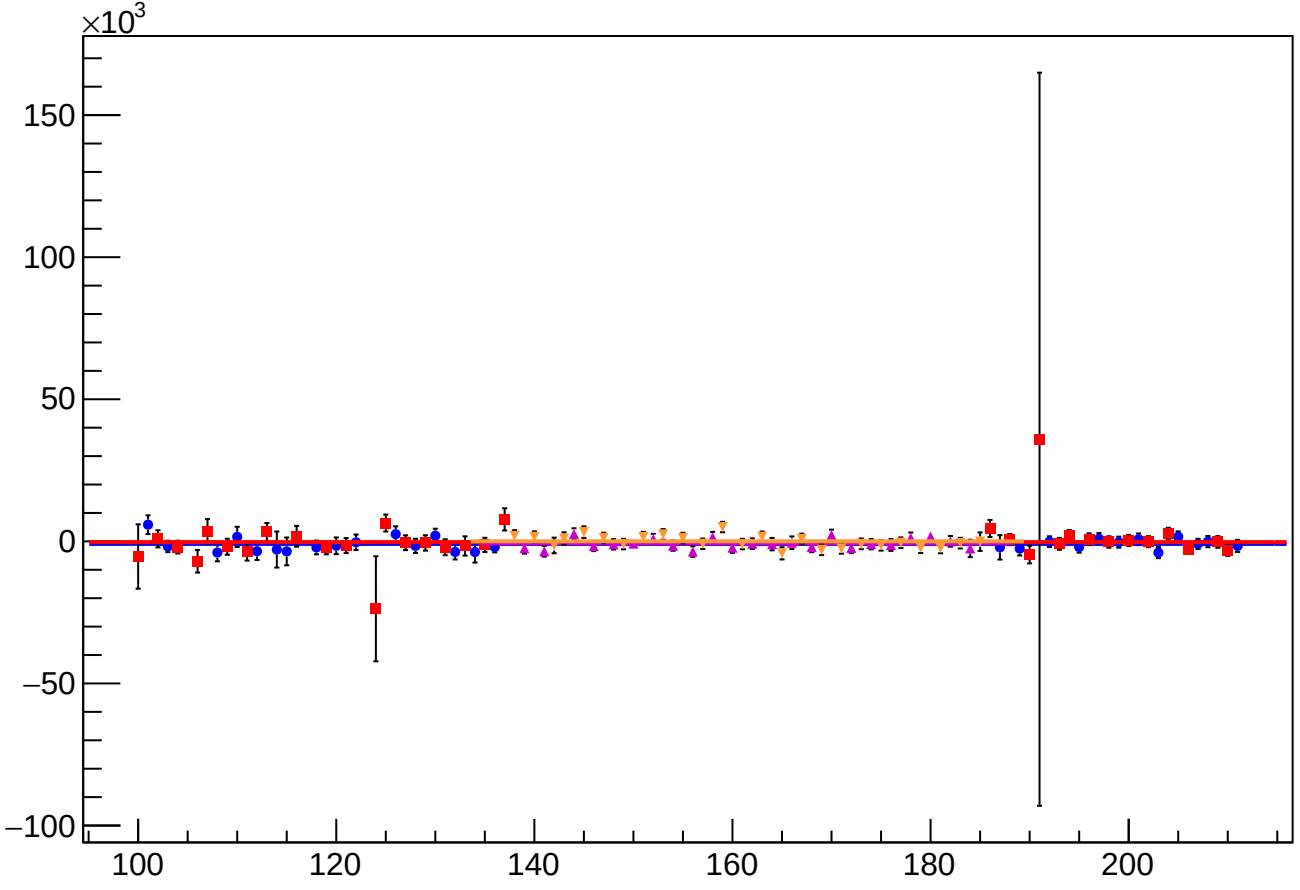
Right: 1541.689+/-0.320 χ^2/NDF: 45074870.7/60

In: 4295.957+/-0.534 χ^2/NDF:4791005.6/50

Out: 1668.393+/-0.305 χ^2/NDF:43656058.7/57

All: 2314.527+/-0.265 χ^2/NDF: 66673644.9/

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -893.906+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -252.182+/-443.095 χ^2/NDF: 33.6/32

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

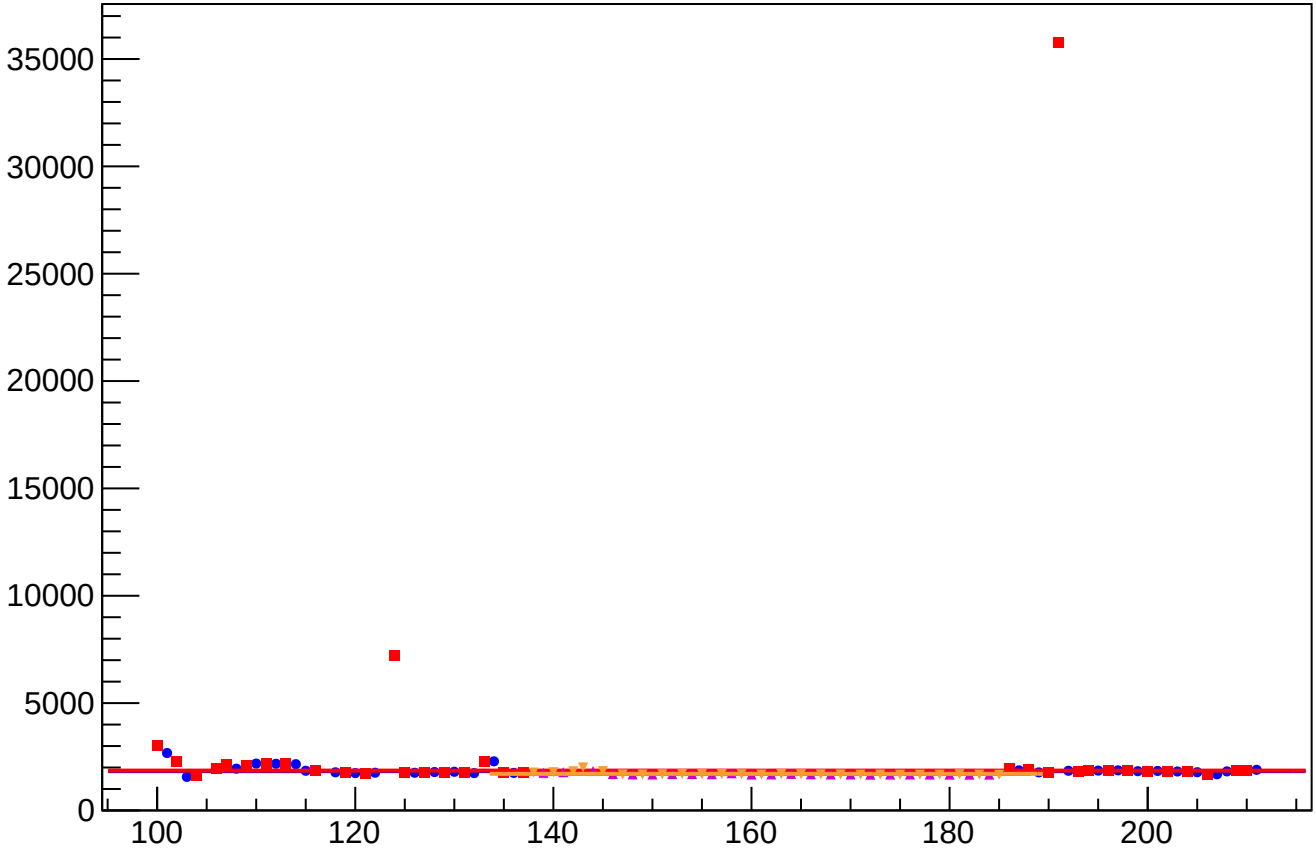
Right: -567.423+/-316.048 χ^2/NDF: 54.1/60

In: -795.469+/-297.739 χ^2/NDF:38.6/50

Out: -96.230+/-291.790 χ^2/NDF:63.3/57

All: -438.794+/-208.398 χ^2/NDF: 104.7/108

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1831.752+/-0.319 χ^2/NDF: 280621.8/27

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.214+/-0.313 χ^2/NDF: 536240.6/32

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

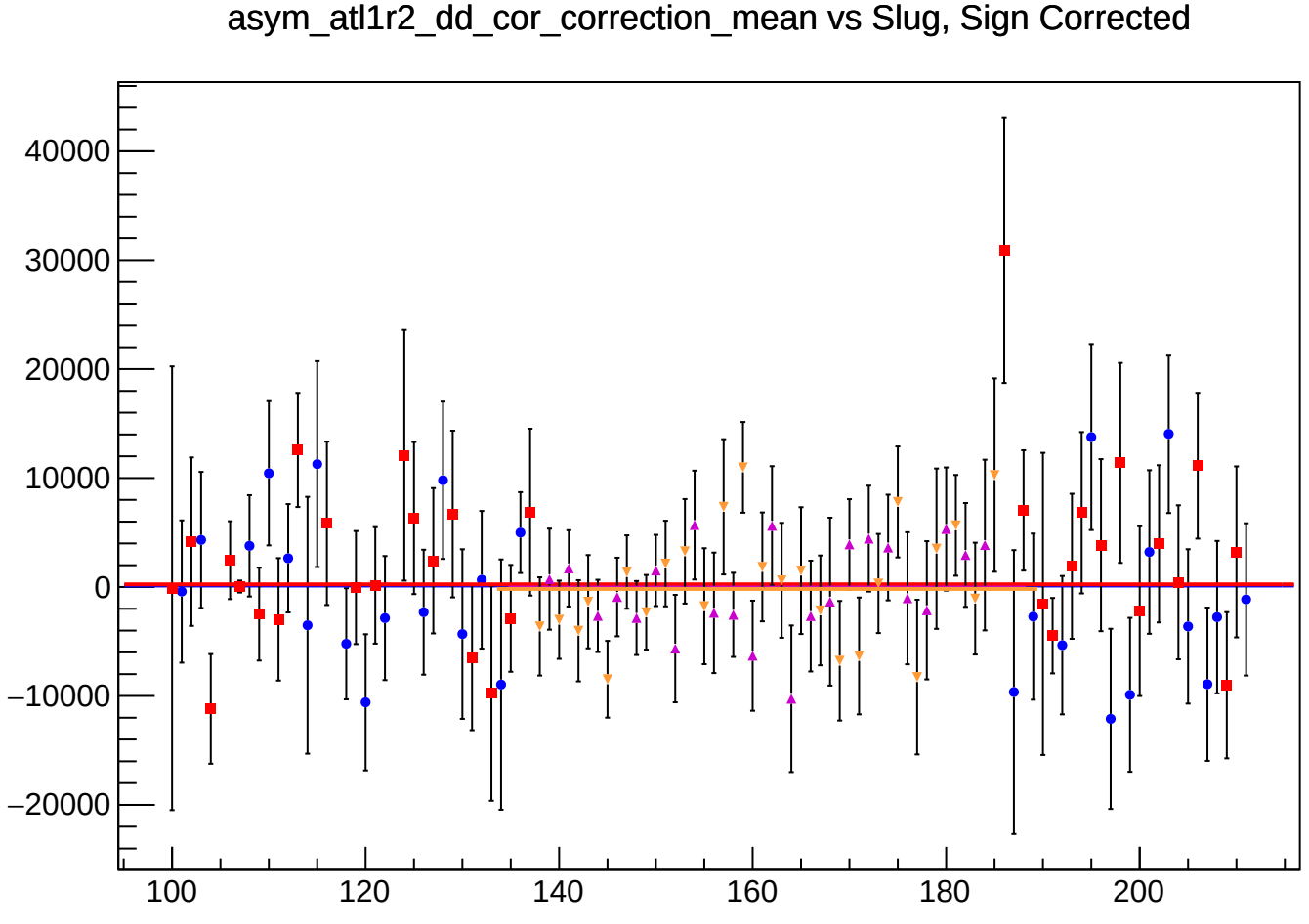
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.207+/-0.223 χ^2/NDF: 819859.1/60

In: 1756.039+/-0.211 χ^2/NDF:401738.6/50

Out: 1770.996+/-0.206 χ^2/NDF:727102.3/57

All: 1763.671+/-0.147 χ^2/NDF: 1131416.2/10



Right In: 136.857+/-1233.590 χ^2/NDF: 28.4/27

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 245.603+/-492.440 χ^2/NDF: 35.9/32

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

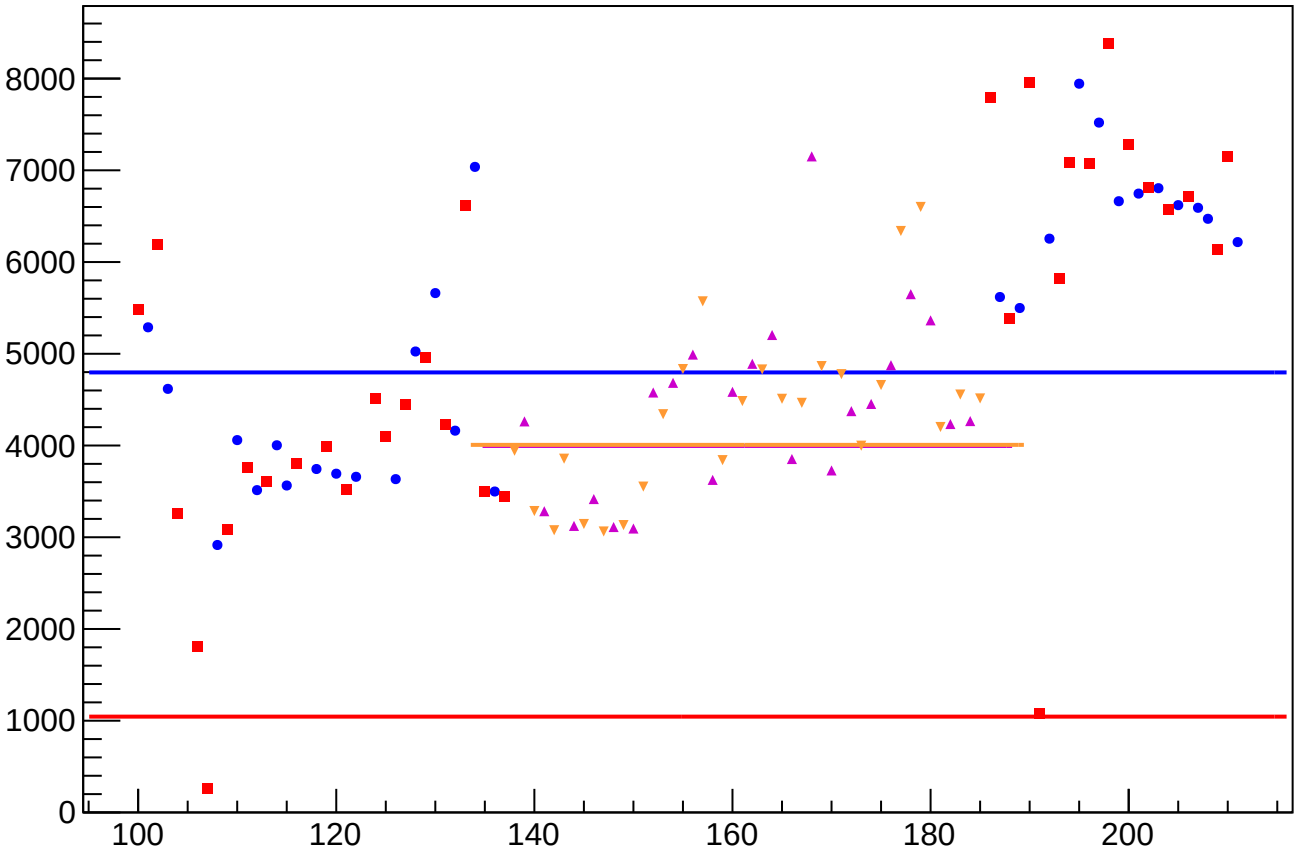
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 230.656+/-457.346 χ^2/NDF: 64.3/60

In: 16.167+/-755.838 χ^2/NDF:42.7/50

Out: 154.126+/-435.719 χ^2/NDF:64.0/57

All: 119.715+/-377.487 χ^2/NDF: 106.8/108



Right In: 4796.707+/-0.872 χ^2/NDF: 2725271.0/27

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1044.585+/-0.348 χ^2/NDF: 26358195.2/32

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

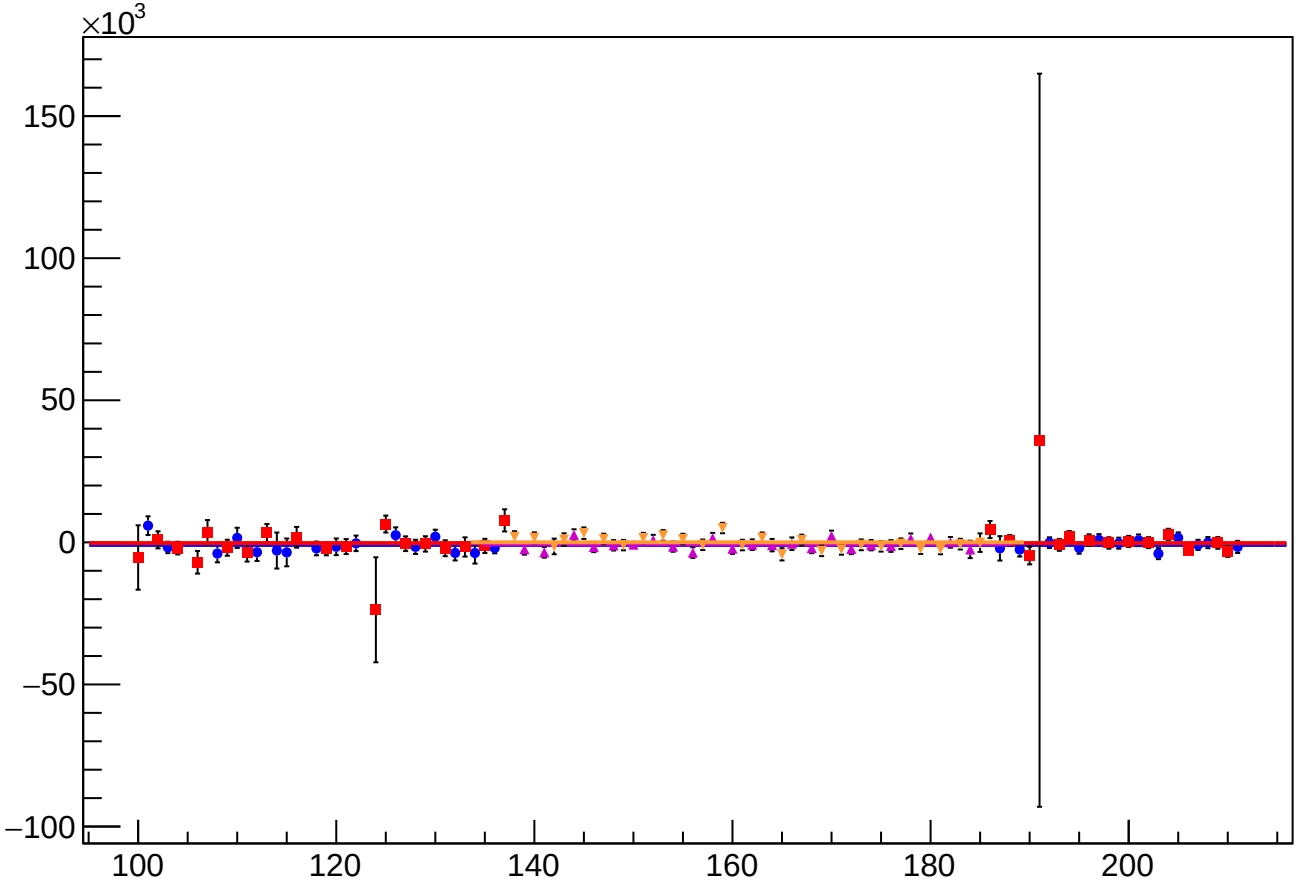
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1560.319+/-0.323 χ^2/NDF: 45043218.0/60

In: 4295.959+/-0.534 χ^2/NDF:4791011.0/50

Out: 1687.723+/-0.308 χ^2/NDF:43575364.2/57

All: 2338.293+/-0.267 χ^2/NDF: 66241870.1/1



Right In: -893.906+/-450.926 χ^2/NDF: 19.4/27

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -252.182+/-443.095 χ^2/NDF: 33.6/32

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

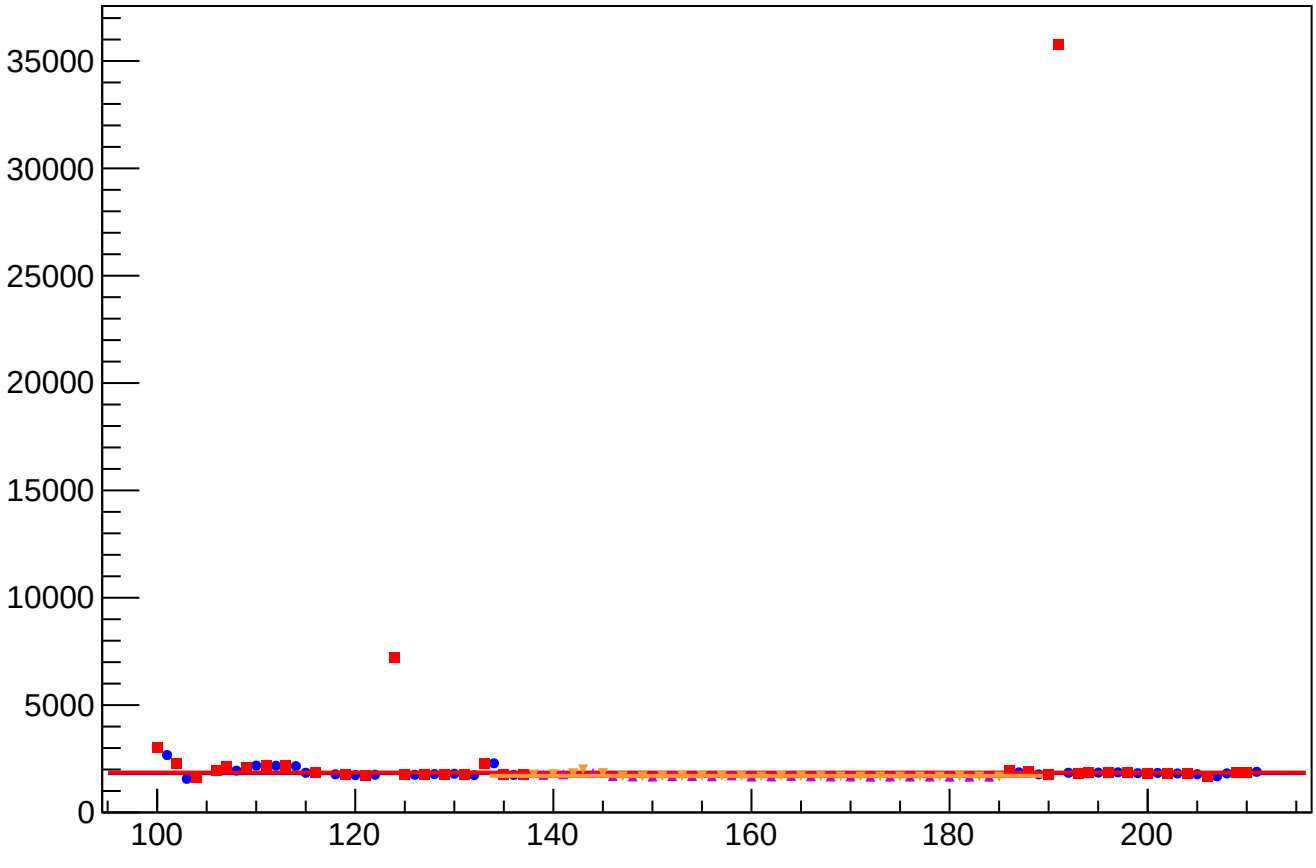
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -567.423+/-316.048 χ^2/NDF: 54.1/60

In: -795.469+/-297.739 χ^2/NDF:38.6/50

Out: -96.230+/-291.790 χ^2/NDF:63.3/57

All: -438.794+/-208.398 χ^2/NDF: 104.7/108



Right In: 1831.752+/-0.319 χ^2/NDF: 280621.8/27

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.214+/-0.313 χ^2/NDF: 536240.6/32

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

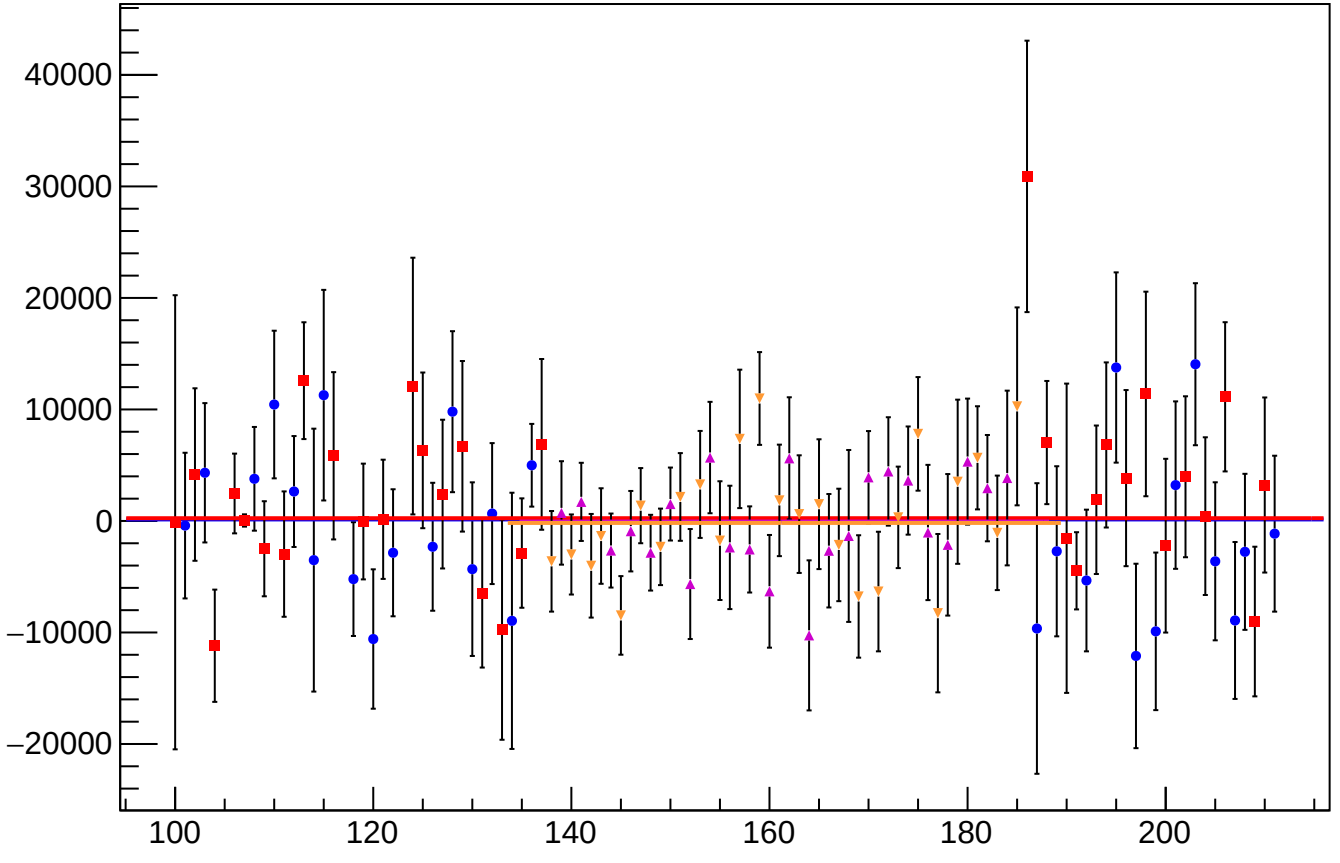
Right: 1844.207+/-0.223 χ^2/NDF: 819859.1/60

In: 1756.039+/-0.211 χ^2/NDF:401738.6/50

Out: 1770.996+/-0.206 χ^2/NDF:727102.3/57

All: 1763.671+/-0.147 χ^2/NDF: 1131416.2/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 136.857+/-1233.590 χ^2/NDF: 28.4/27

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 245.603+/-492.440 χ^2/NDF: 35.9/32

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

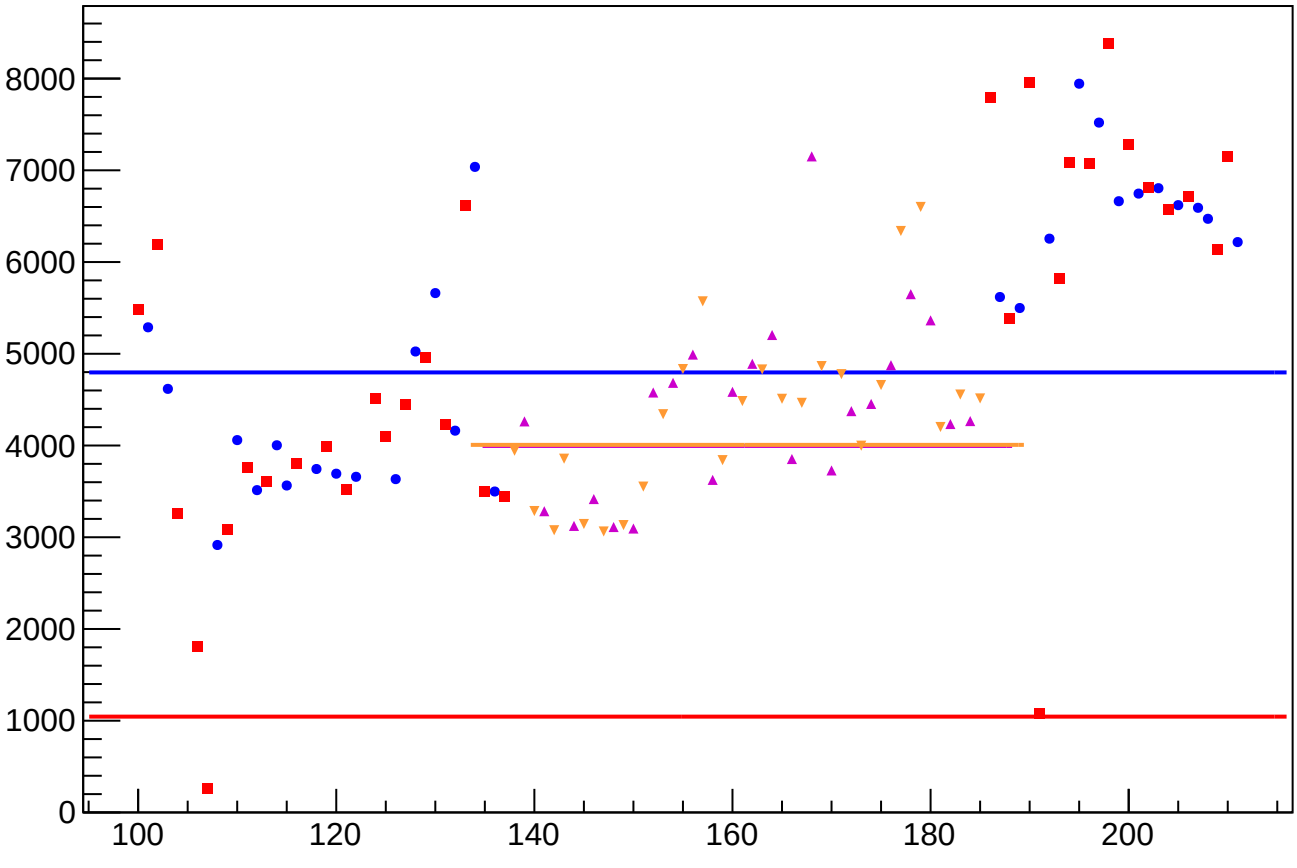
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 230.656+/-457.346 χ^2/NDF: 64.3/60

In: 16.167+/-755.838 χ^2/NDF:42.7/50

Out: 154.126+/-435.719 χ^2/NDF:64.0/57

All: 119.715+/-377.487 χ^2/NDF: 106.8/108



Right In: 4796.707+/-0.872 χ^2/NDF: 2725271.0/27

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1044.585+/-0.348 χ^2/NDF: 26358195.2/32

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

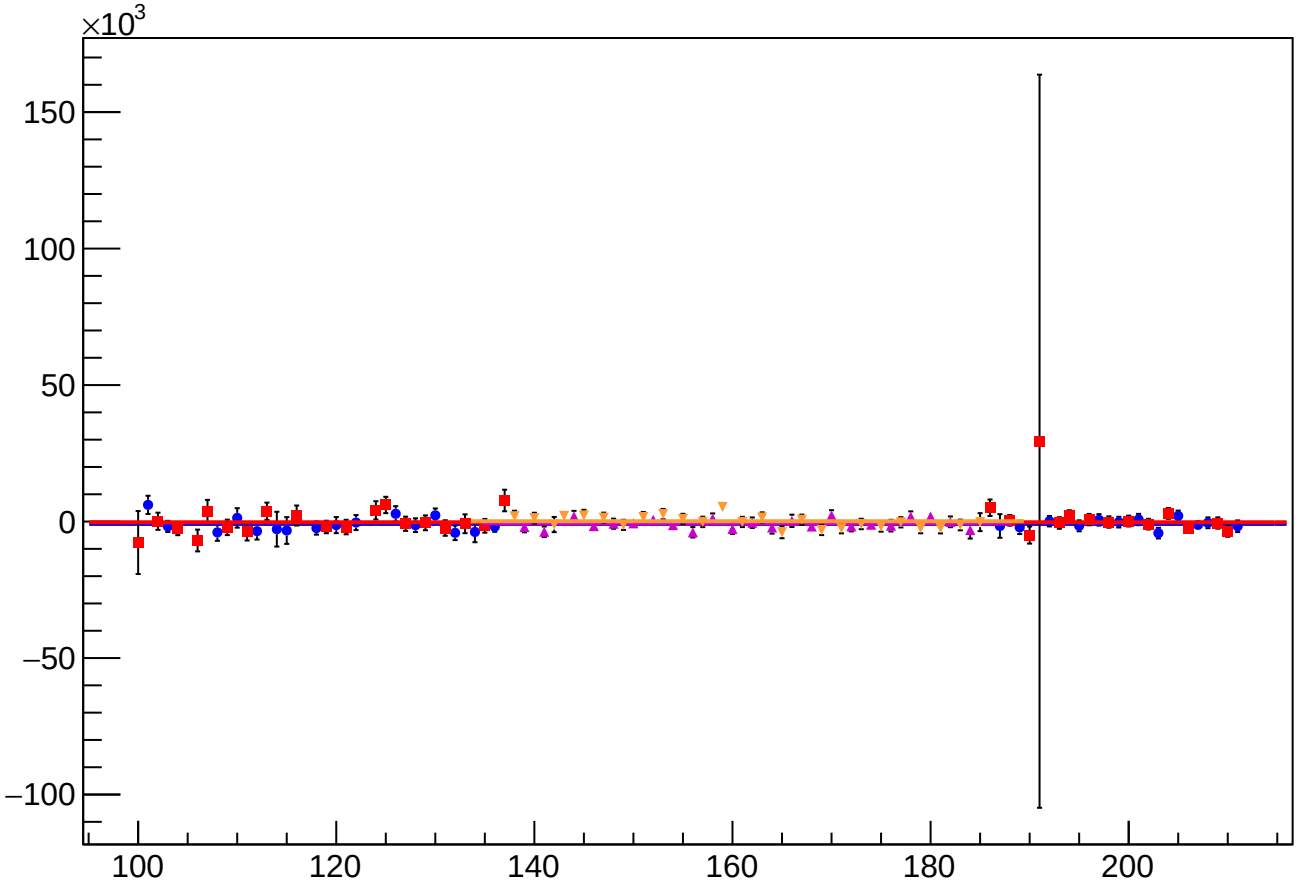
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1560.319+/-0.323 χ^2/NDF: 45043218.0/60

In: 4295.959+/-0.534 χ^2/NDF:4791011.0/50

Out: 1687.723+/-0.308 χ^2/NDF:43575364.2/57

All: 2338.293+/-0.267 χ^2/NDF: 66241870.1/1



Right In: -862.772+/-455.666 χ^2/NDF: 20.7/27

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -254.290+/-444.840 χ^2/NDF: 35.5/32

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

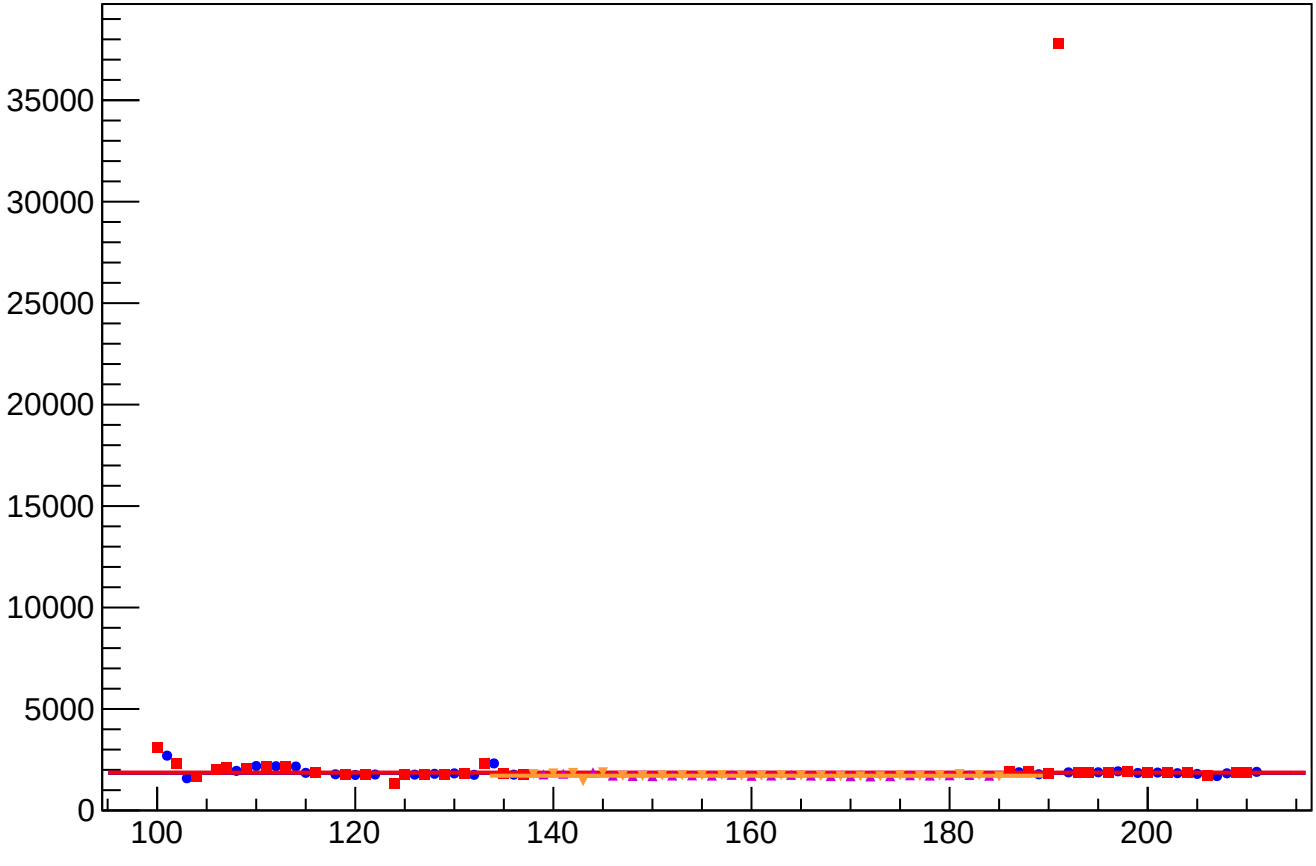
Right: -551.217+/-318.308 χ^2/NDF: 57.1/60

In: -794.724+/-302.362 χ^2/NDF:39.7/50

Out: -42.431+/-293.024 χ^2/NDF:65.6/57

All: -406.783+/-210.423 χ^2/NDF: 108.6/108

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1850.798+/-0.322 χ^2/NDF: 280302.0/27

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.122+/-0.314 χ^2/NDF: 430575.0/32

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

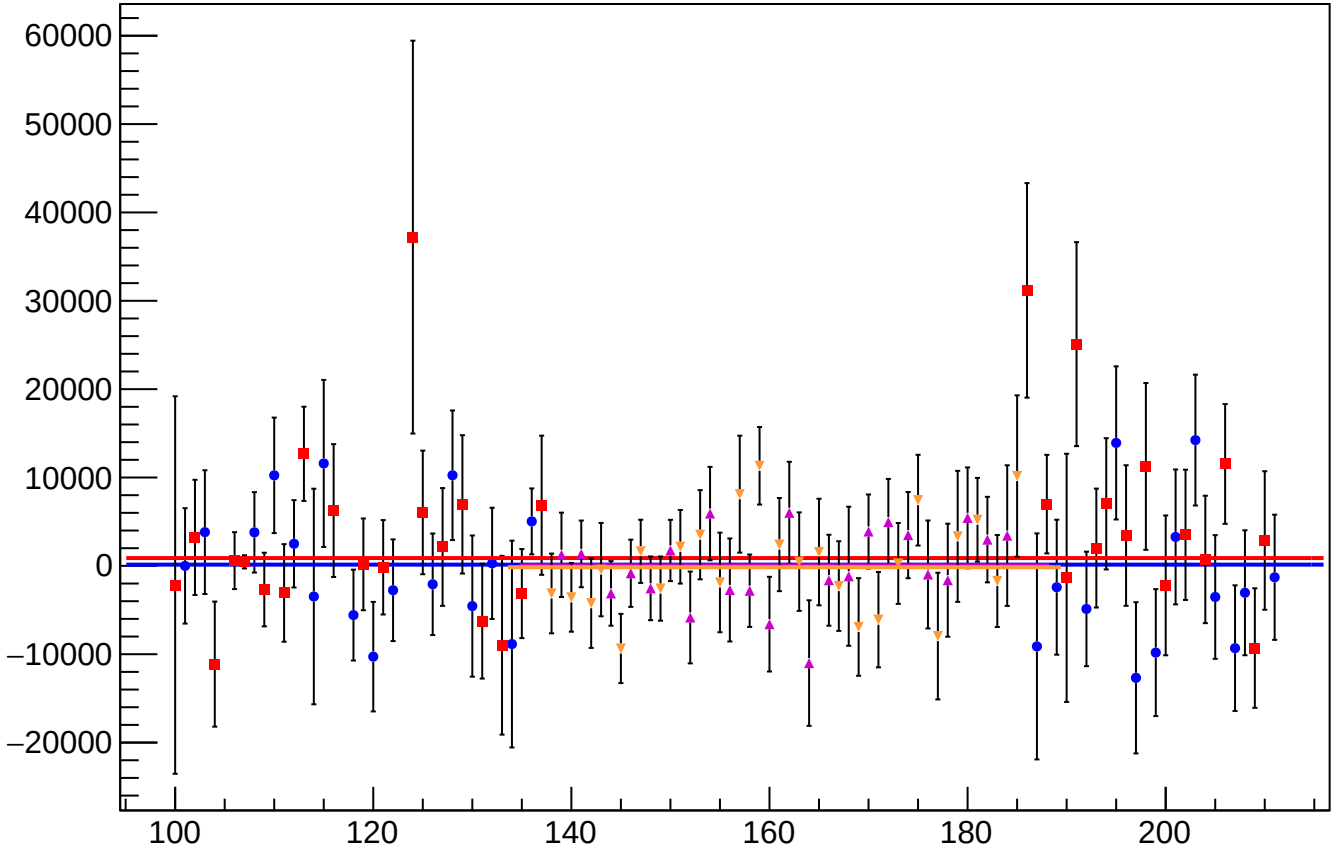
Right: 1858.134+/-0.225 χ^2/NDF: 711889.3/60

In: 1783.380+/-0.214 χ^2/NDF:381601.6/50

Out: 1778.642+/-0.207 χ^2/NDF:658630.3/57

All: 1780.936+/-0.149 χ^2/NDF: 1040485.3/10

asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 138.753+/-1243.968 χ^2/NDF: 28.1/27

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 884.330+/-627.663 χ^2/NDF: 36.2/32

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

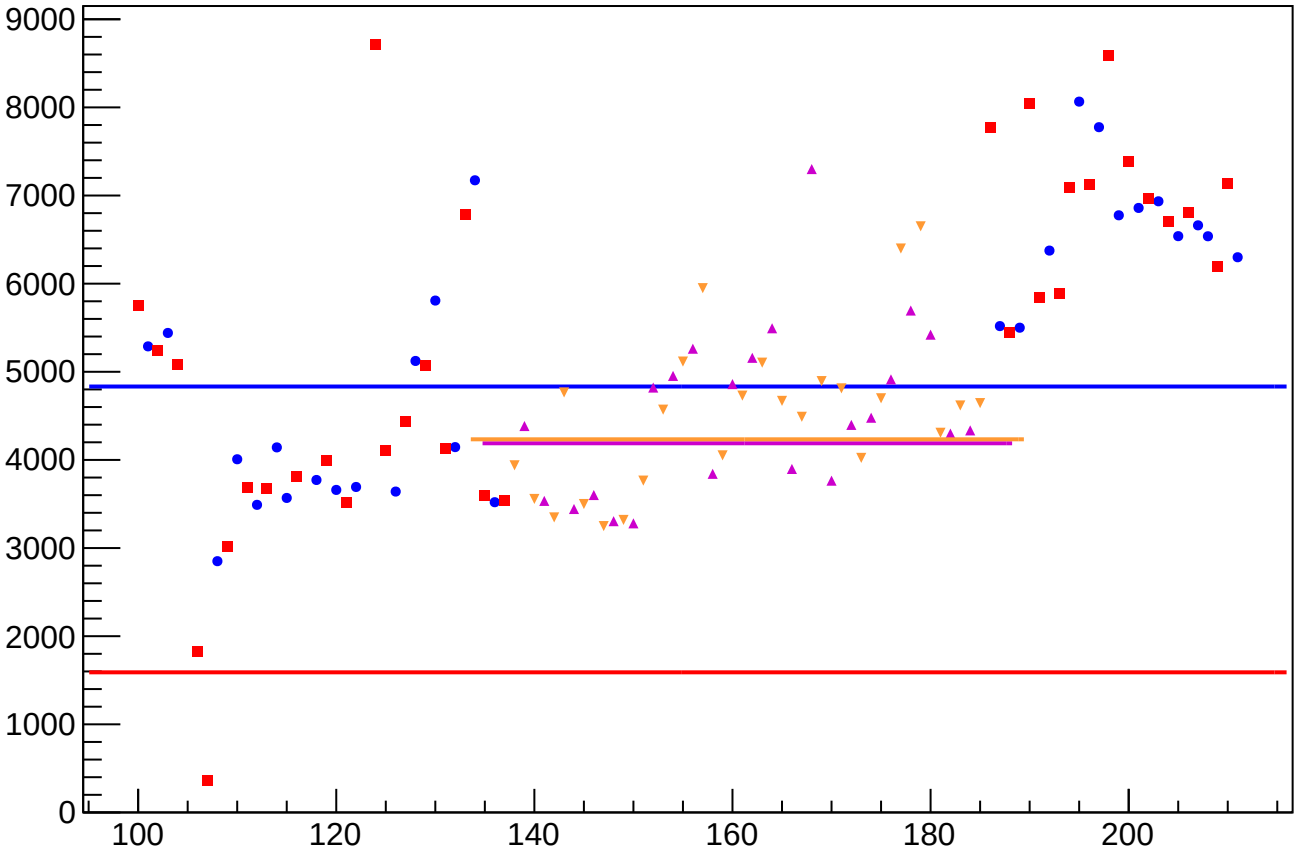
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 733.034+/-560.371 χ^2/NDF: 64.6/60

In: 94.058+/-779.442 χ^2/NDF:42.1/50

Out: 585.572+/-529.327 χ^2/NDF:63.9/57

All: 430.437+/-437.895 χ^2/NDF: 106.3/108



Right In: 4832.892+/-0.880 χ^2/NDF: 2881710.3/27

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1589.966+/-0.444 χ^2/NDF: 23179565.1/32

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

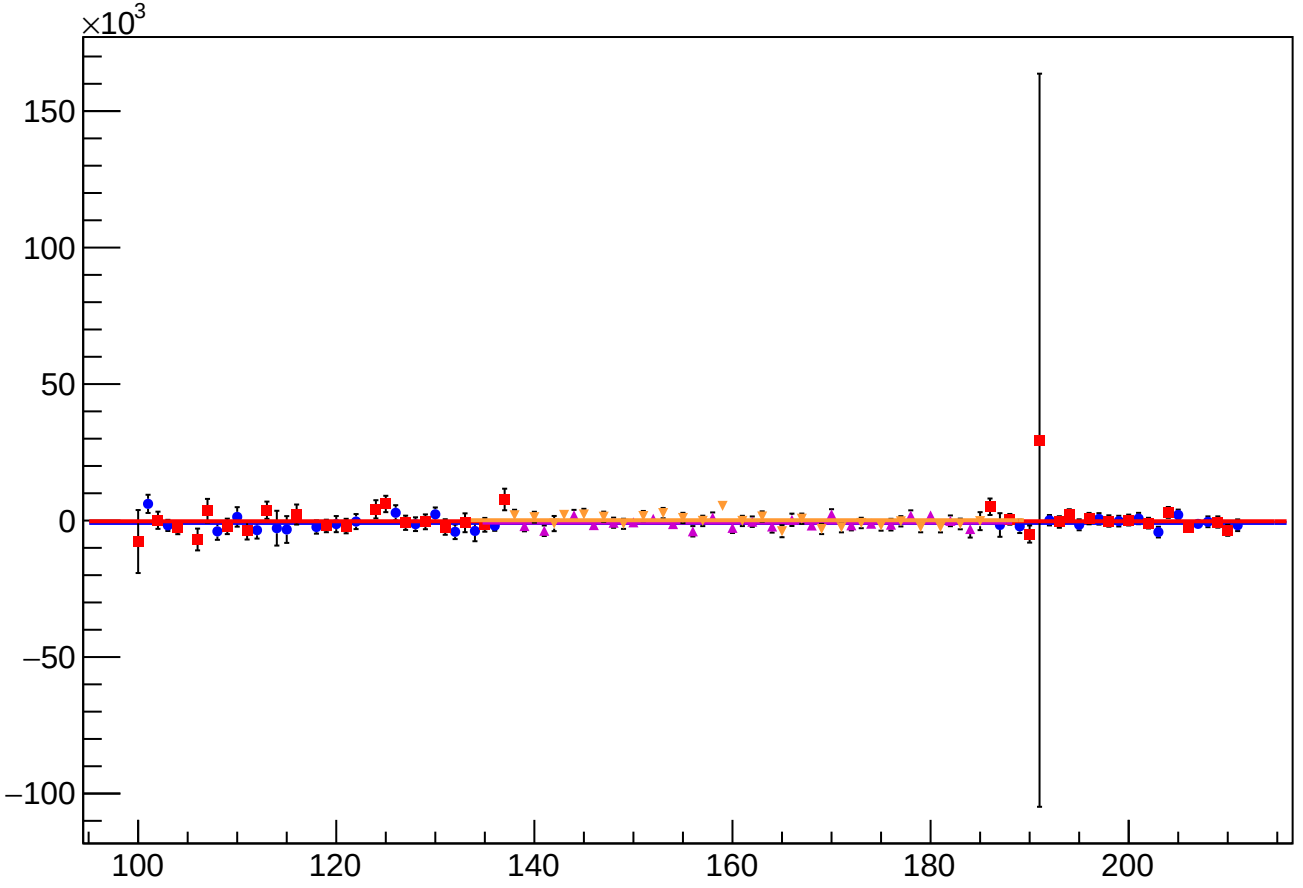
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2248.034+/-0.396 χ^2/NDF: 36895194.3/60

In: 4441.715+/-0.551 χ^2/NDF:4551911.7/50

Out: 2353.521+/-0.374 χ^2/NDF:34713067.3/57

All: 3012.610+/-0.310 χ^2/NDF: 49089180.9/1



Right In: -862.773+/-455.666 χ^2/NDF: 20.7/27

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -254.290+/-444.841 χ^2/NDF: 35.5/32

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

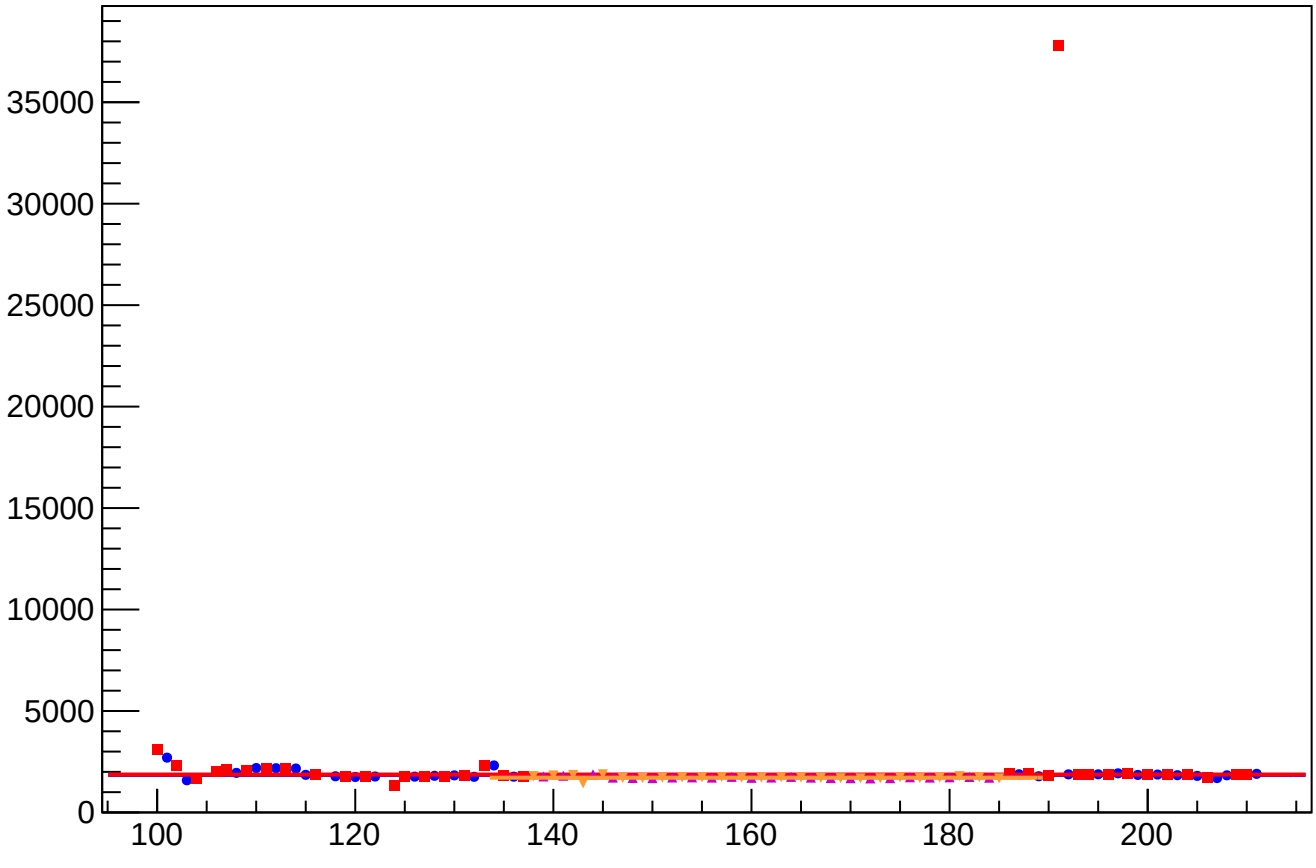
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -551.218+/-318.308 χ^2/NDF: 57.1/60

In: -794.724+/-302.362 χ^2/NDF:39.7/50

Out: -42.430+/-293.024 χ^2/NDF:65.6/57

All: -406.782+/-210.423 χ^2/NDF: 108.6/108



Right In: 1850.798+/-0.322 χ^2/NDF: 280301.9/27

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1865.122+/-0.314 χ^2/NDF: 430575.3/32

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

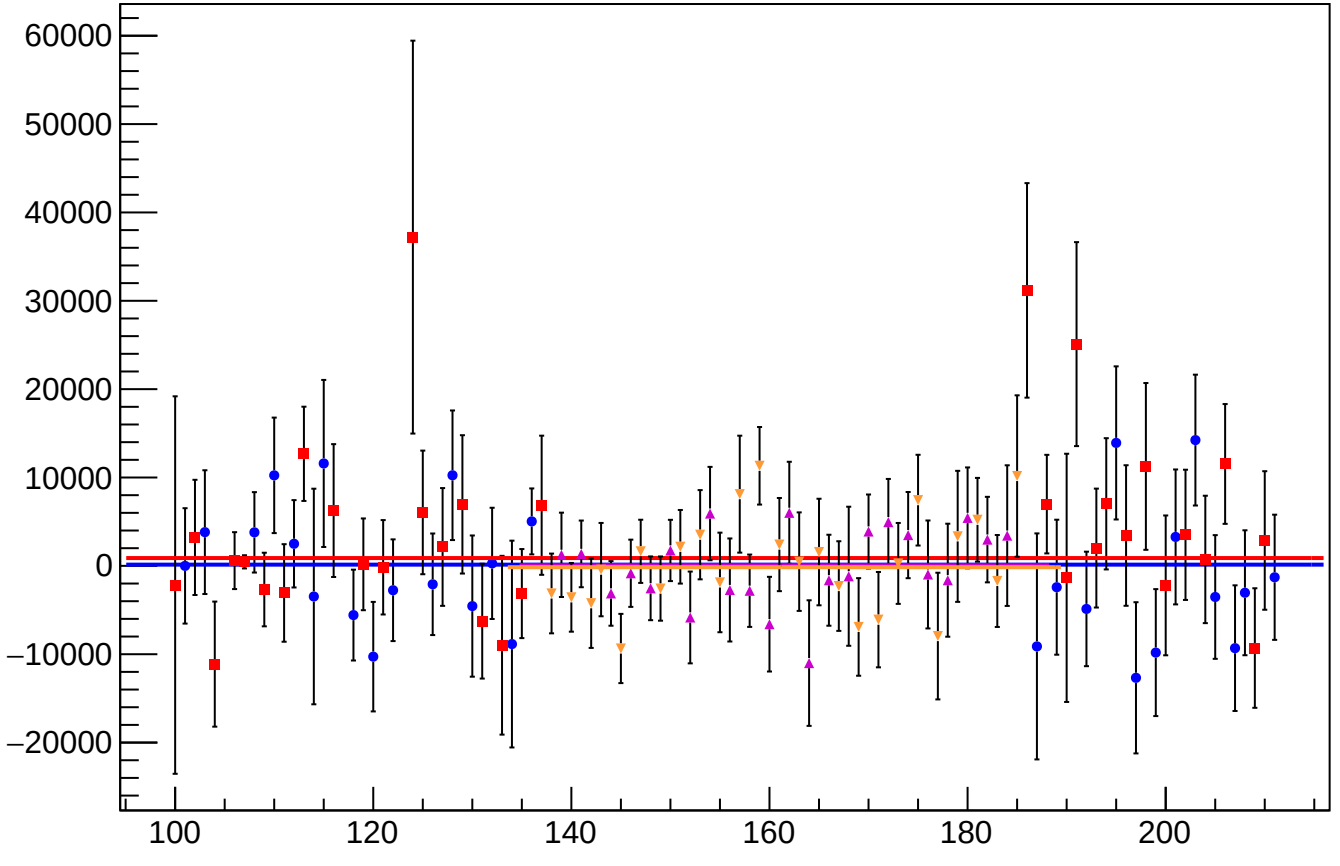
Right: 1858.135+/-0.225 χ^2/NDF: 711889.5/60

In: 1783.380+/-0.214 χ^2/NDF:381600.9/50

Out: 1778.642+/-0.207 χ^2/NDF:658628.8/57

All: 1780.937+/-0.149 χ^2/NDF: 1040483.0/10

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 138.743+/-1243.967 χ^2/NDF: 28.1/27

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 884.348+/-627.672 χ^2/NDF: 36.2/32

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

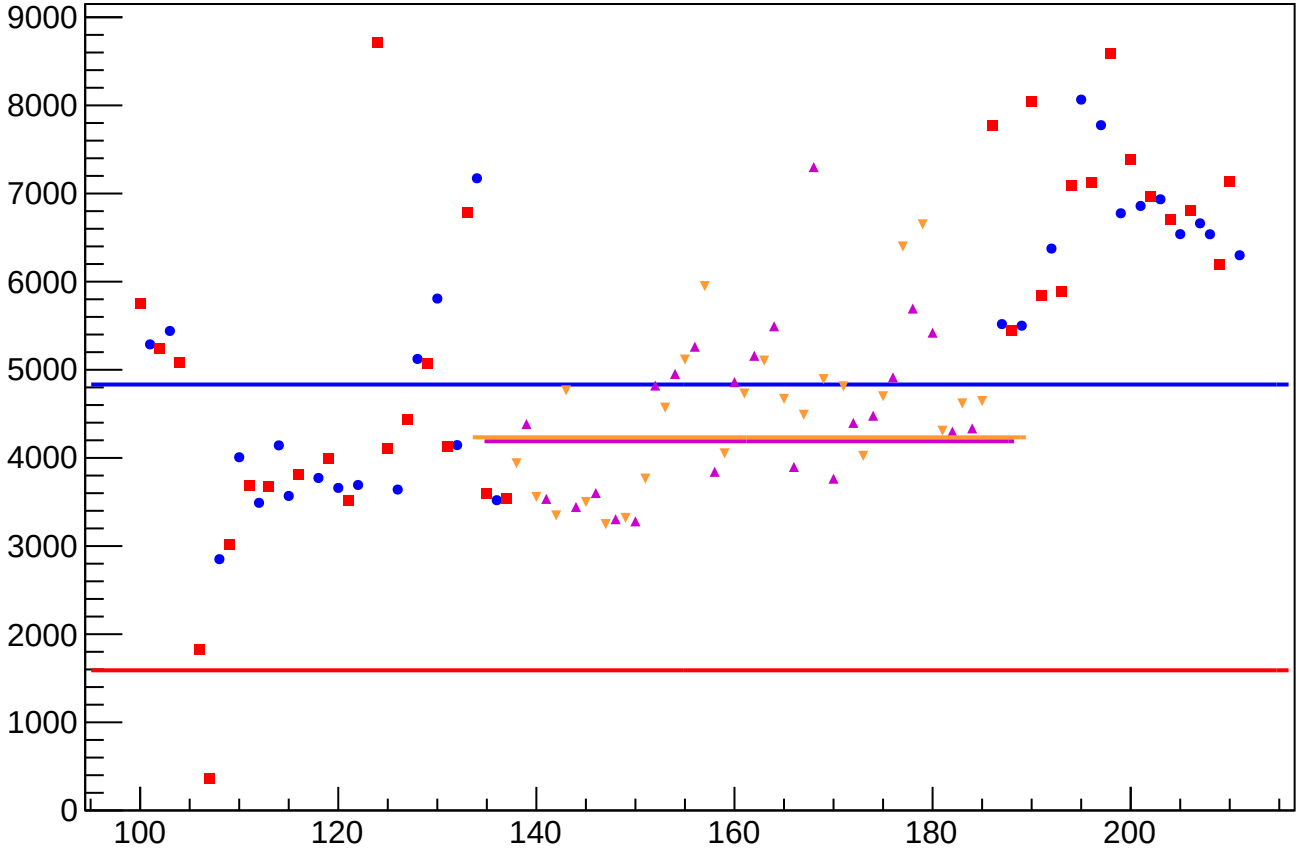
Right: 733.043+/-560.378 χ^2/NDF: 64.6/60

In: 94.055+/-779.443 χ^2/NDF:42.1/50

Out: 585.579+/-529.333 χ^2/NDF:63.9/57

All: 430.439+/-437.899 χ^2/NDF: 106.3/108

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4832.888+/-0.880 χ^2/NDF: 2881732.8/27

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1590.009+/-0.444 χ^2/NDF: 23179260.3/32

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

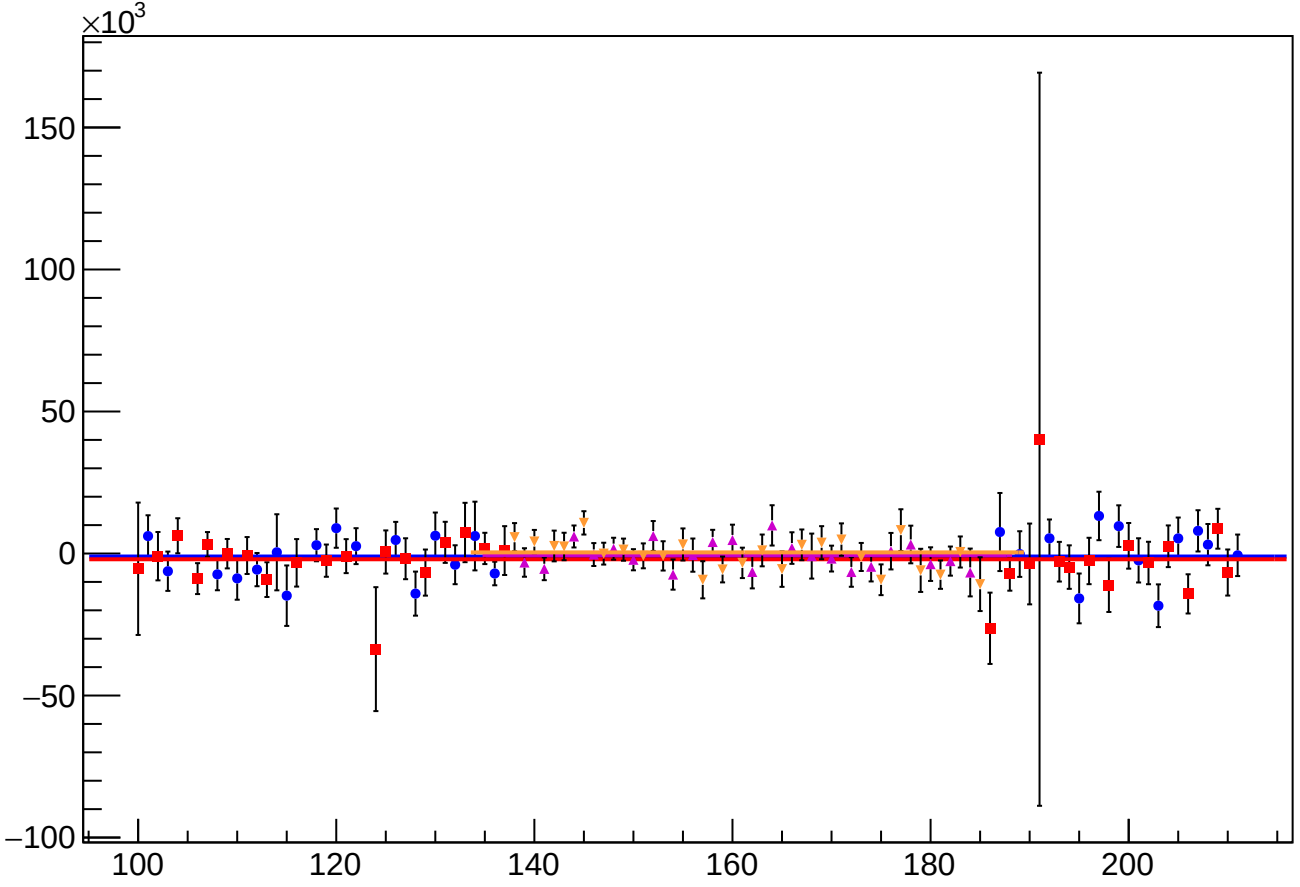
Right: 2248.083+/-0.396 χ^2/NDF: 36894540.0/60

In: 4441.718+/-0.551 χ^2/NDF:4551928.6/50

Out: 2353.568+/-0.374 χ^2/NDF:34712368.4/57

All: 3012.652+/-0.310 χ^2/NDF: 49088003.0/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1057.867+/-1347.740 χ^2/NDF: 33.2/27

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -2025.707+/-1259.440 χ^2/NDF: 23.4/32

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

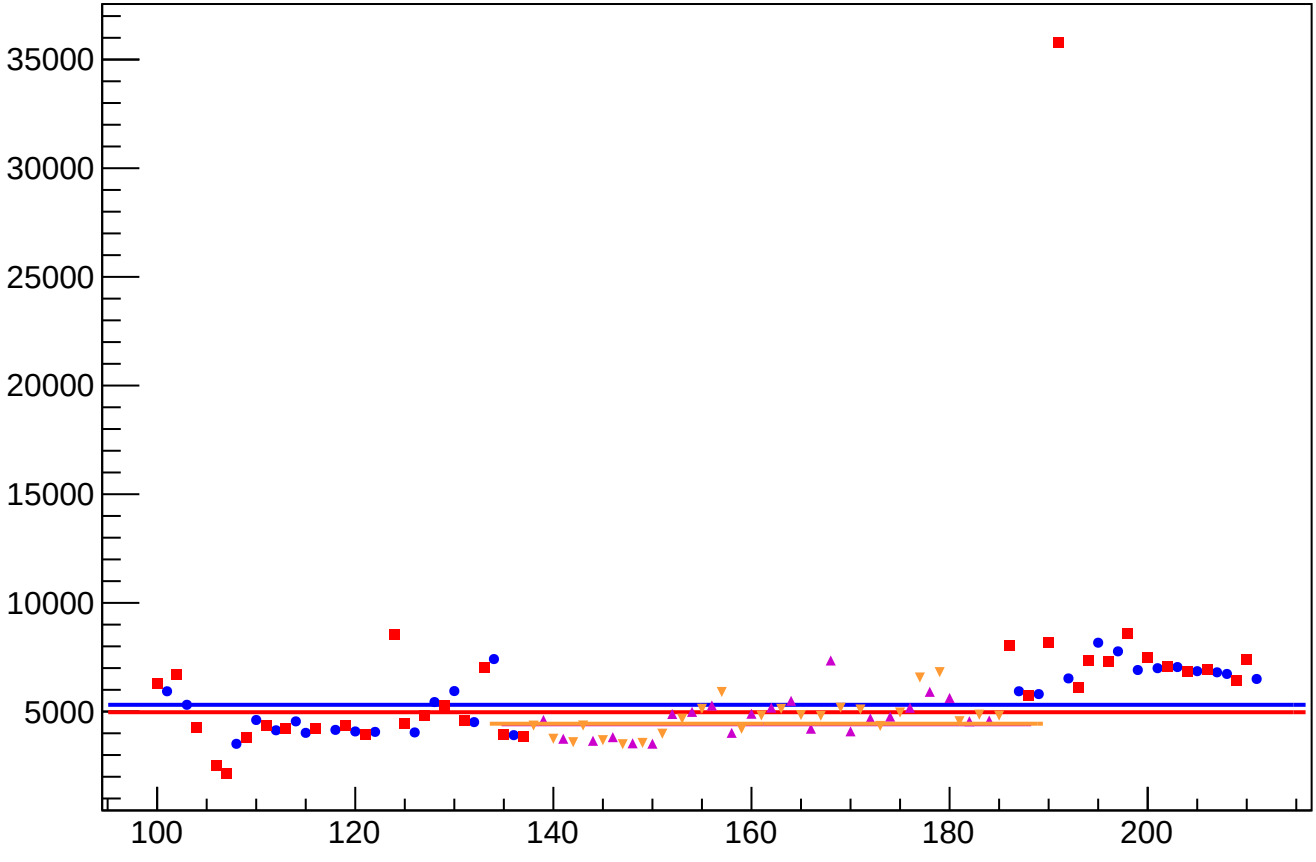
Right: -1574.529+/-920.192 χ^2/NDF: 56.9/60

In: -712.499+/-828.140 χ^2/NDF:50.7/50

Out: -571.398+/-796.587 χ^2/NDF:50.4/57

All: -639.209+/-574.103 χ^2/NDF: 101.0/108

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5310.451+/-0.953 χ^2/NDF: 2039114.6/27

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4969.403+/-0.885 χ^2/NDF: 3958442.5/32

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

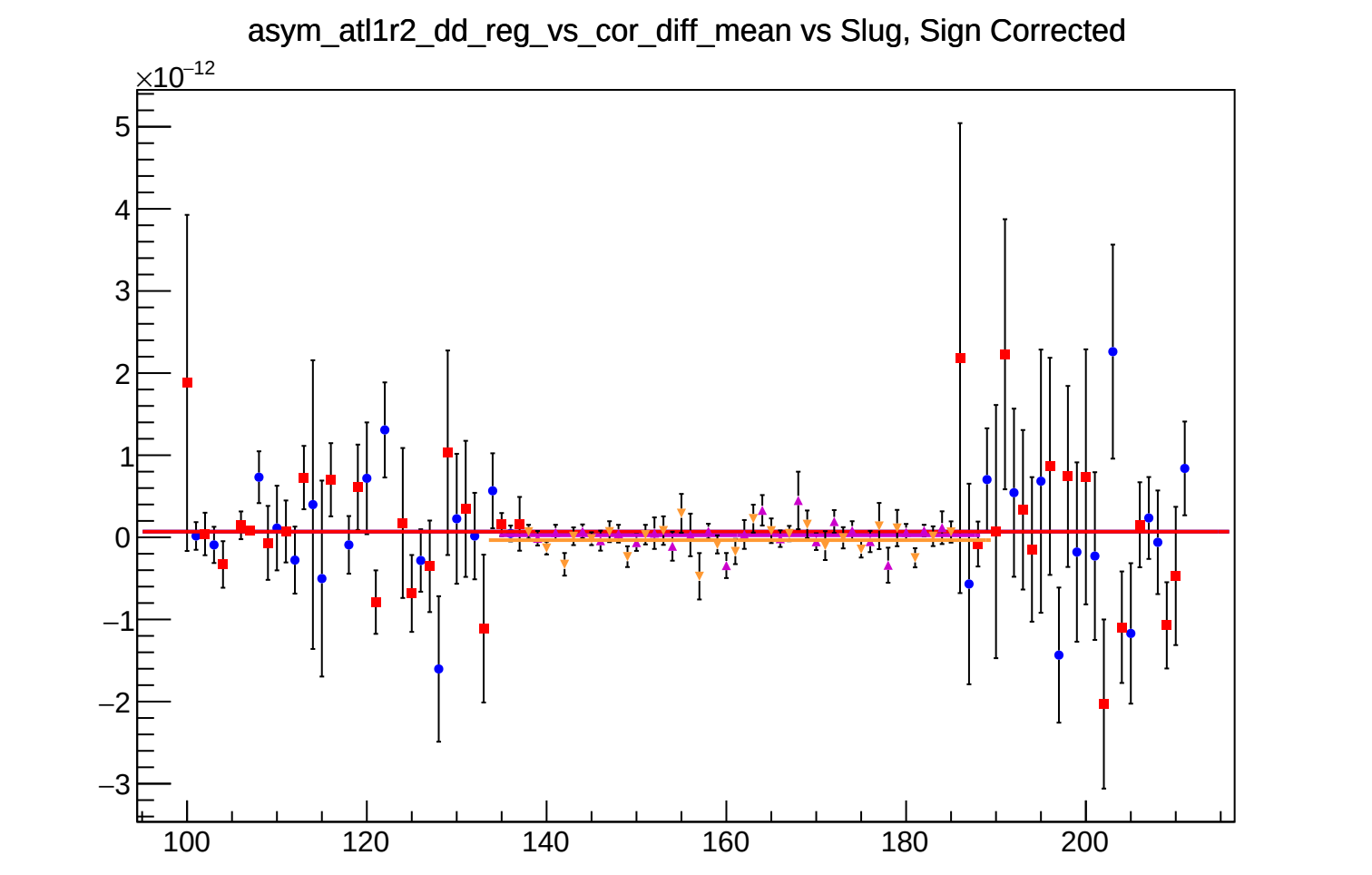
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5127.265+/-0.648 χ^2/NDF: 6066347.5/60

In: 4753.322+/-0.586 χ^2/NDF:3699609.0/50

Out: 4653.957+/-0.562 χ^2/NDF:5244611.2/57

All: 4701.578+/-0.405 χ^2/NDF: 8959213.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/32

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

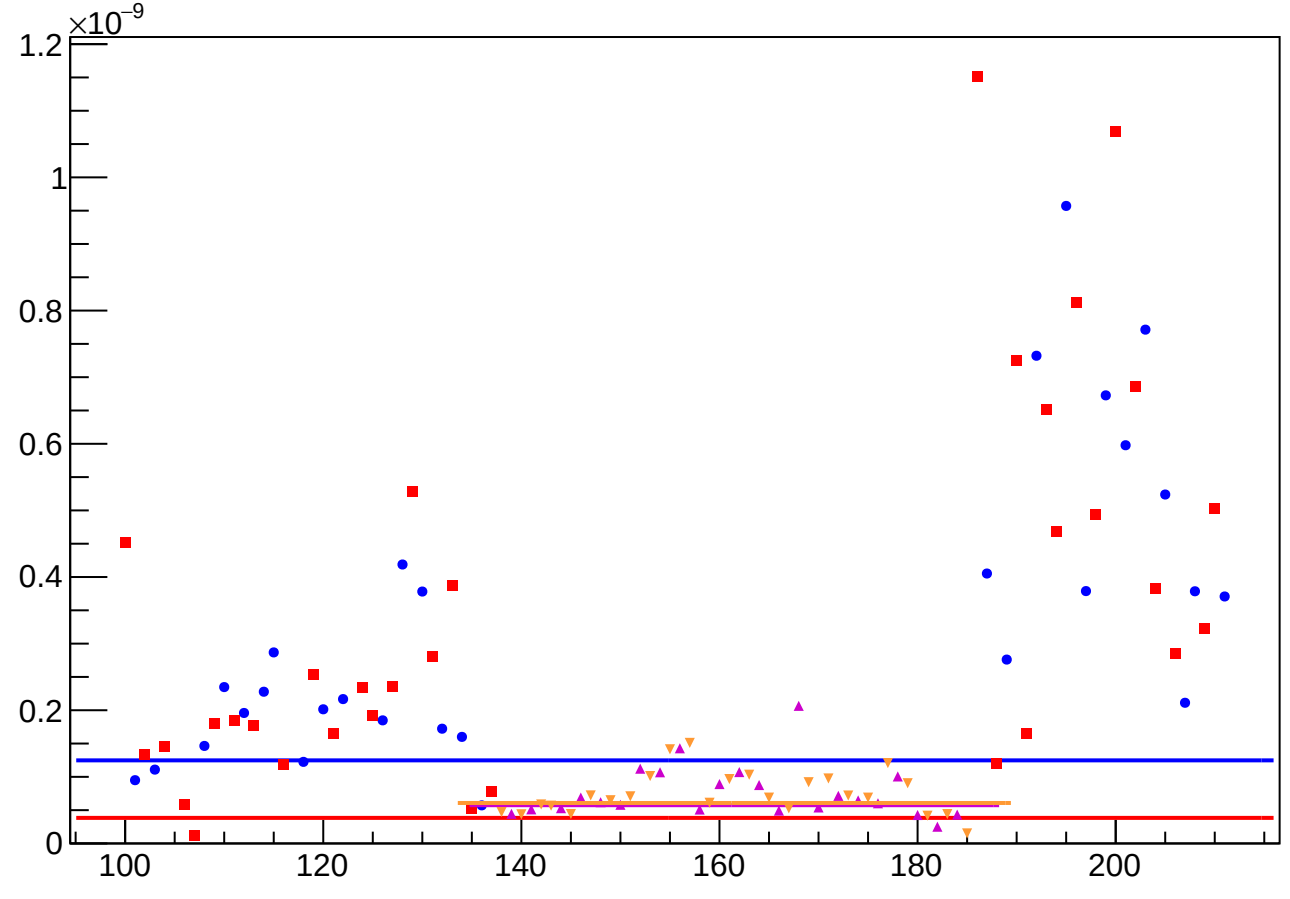
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 65.5/60

In: 0.000+/-0.000 χ^2/NDF:49.2/50

Out: 0.000+/-0.000 χ^2/NDF:70.8/57

All: 0.000+/-0.000 χ^2/NDF: 120.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 6111224.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11532751.3/32

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

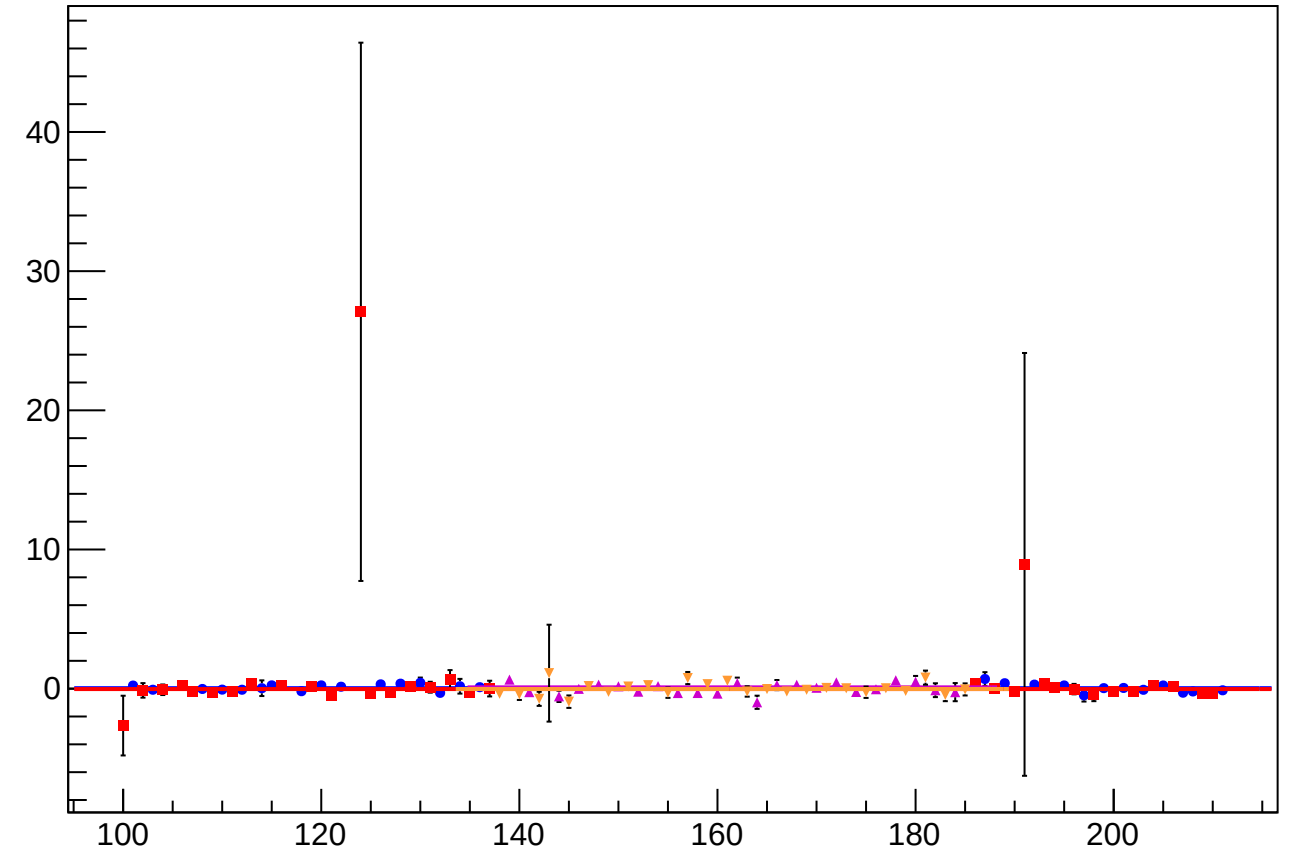
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 20444517.4/60

In: 0.000+/-0.000 χ^2/NDF:9855465.4/50

Out: 0.000+/-0.000 χ^2/NDF:13852703.6/57

All: 0.000+/-0.000 χ^2/NDF: 24084135.6/108



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.029+/-0.044 χ^2/NDF: 35.2/32

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

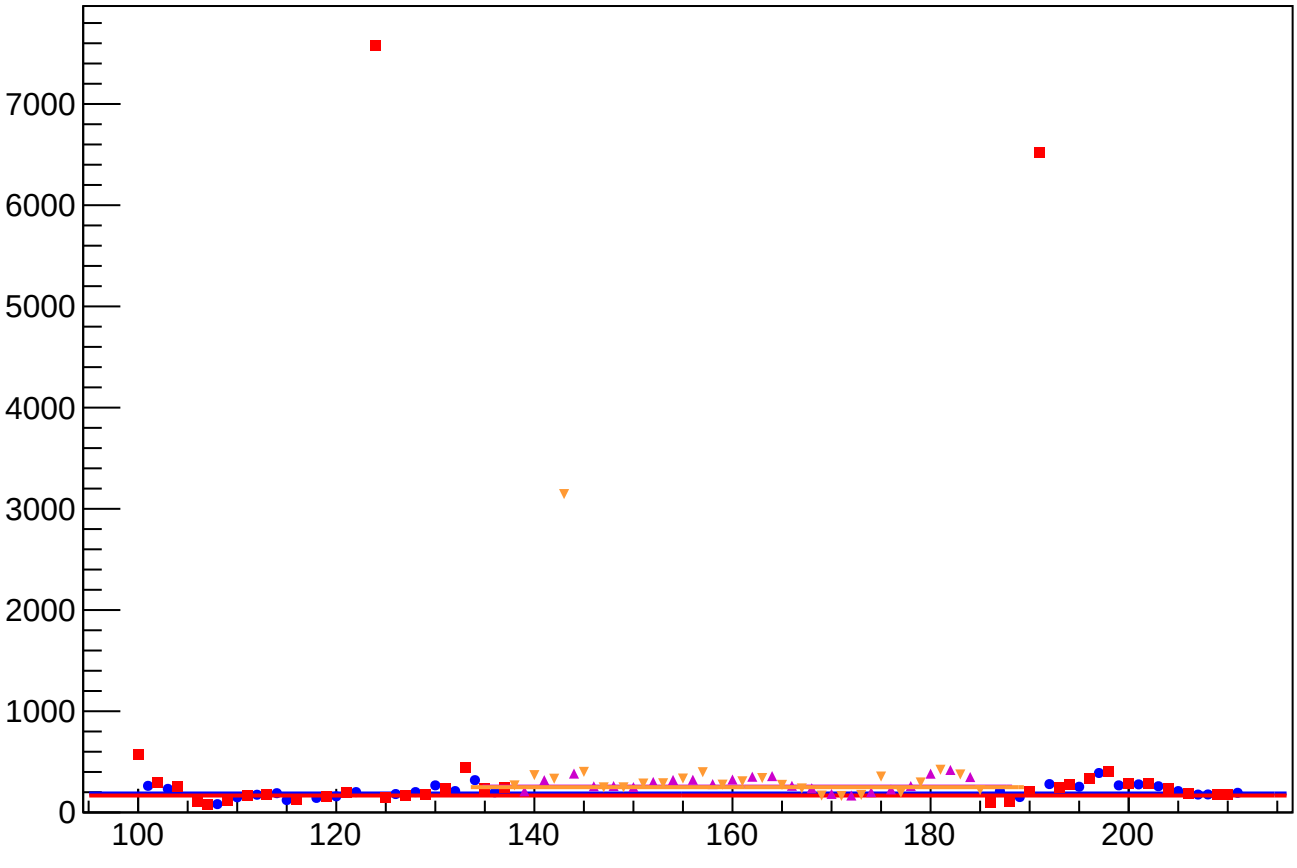
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.000+/-0.033 χ^2/NDF: 56.6/60

In: 0.058+/-0.039 χ^2/NDF:52.5/50

Out: -0.027+/-0.036 χ^2/NDF:58.8/57

All: 0.012+/-0.026 χ^2/NDF: 113.8/108



Right In: 187.413+/-0.035 χ^2/NDF: 2969654.2/27

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 167.309+/-0.031 χ^2/NDF: 5314259.5/32

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

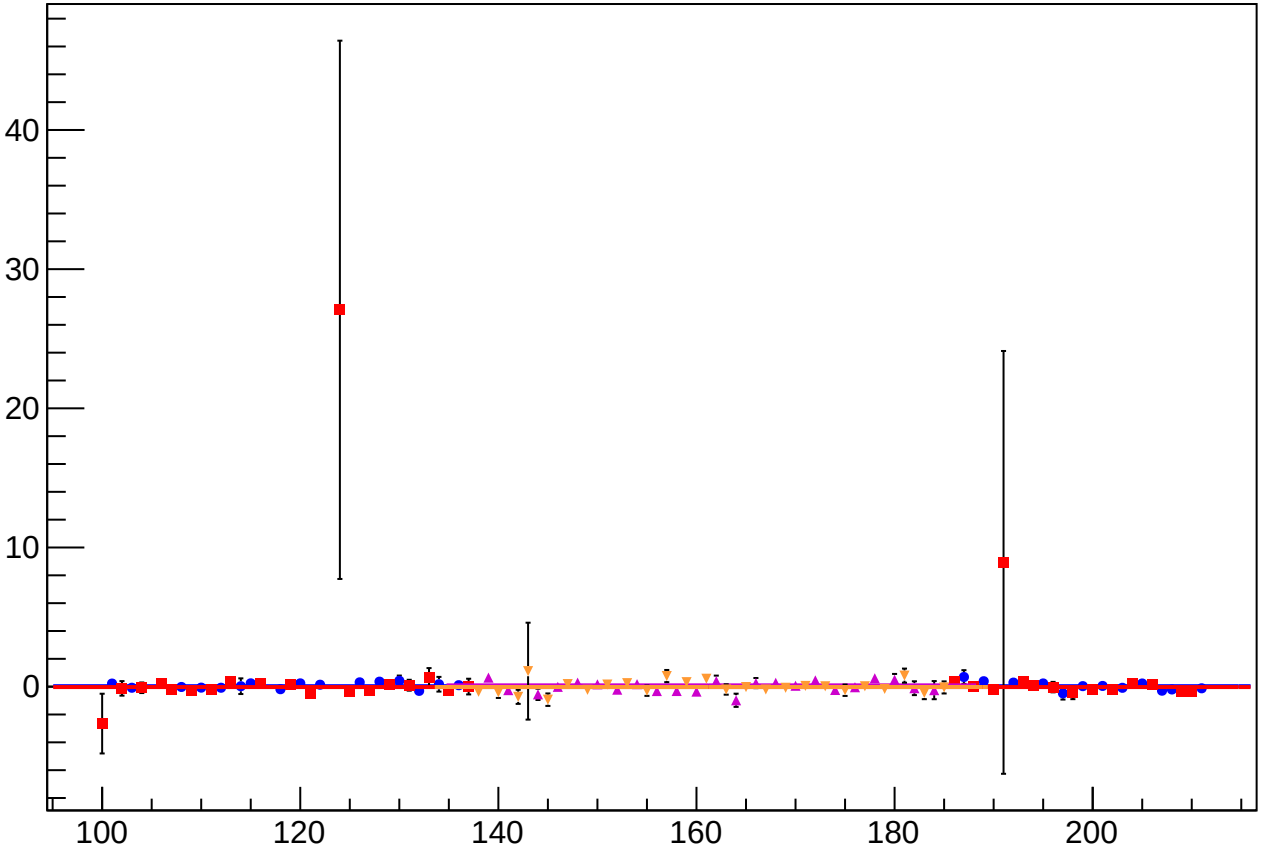
Right: 176.305+/-0.023 χ^2/NDF: 8466700.1/60

In: 213.280+/-0.027 χ^2/NDF:6518572.6/50

Out: 195.590+/-0.026 χ^2/NDF:11907791.8/57

All: 203.770+/-0.019 χ^2/NDF: 18648831.8/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.029+/-0.044 χ^2/NDF: 35.2/32

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

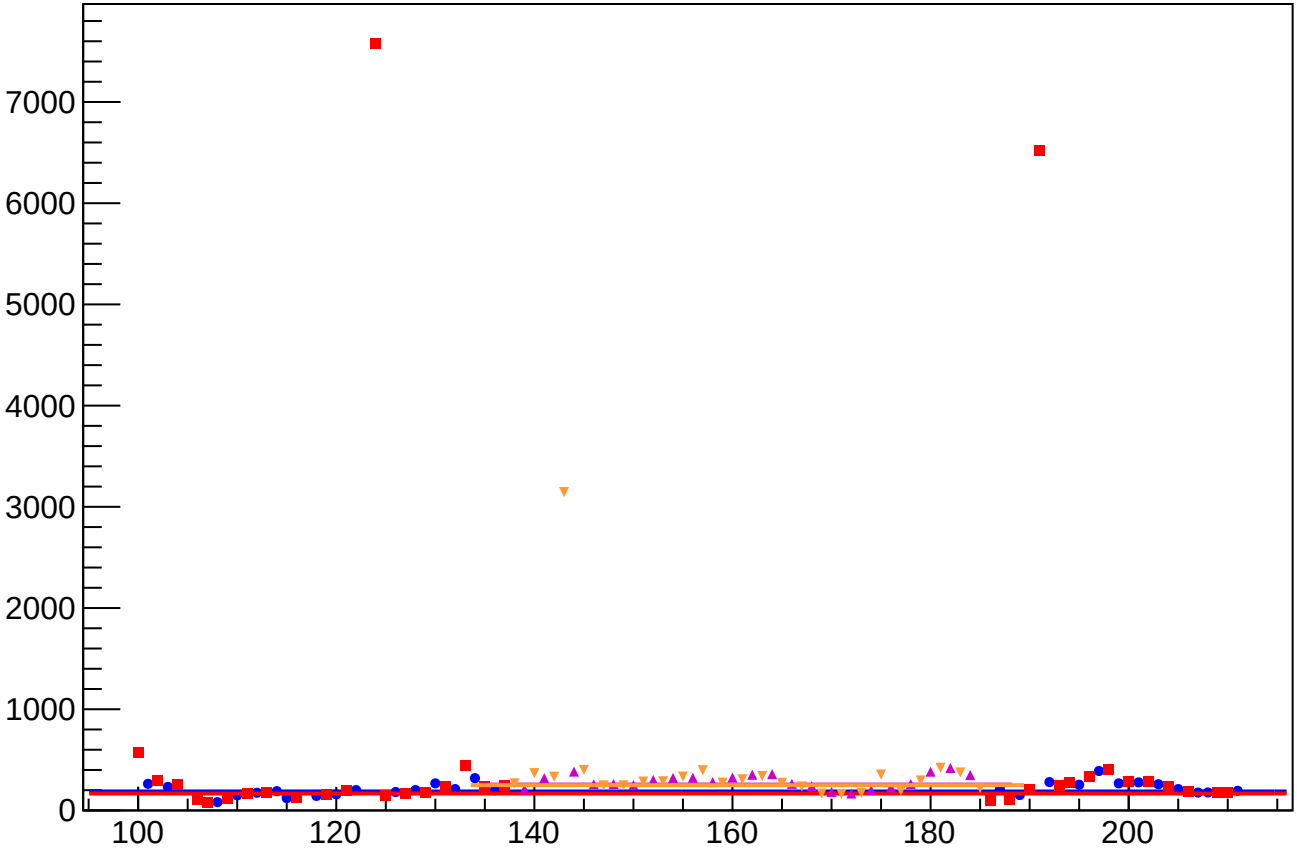
Right: 0.000+/-0.033 χ^2/NDF: 56.6/60

In: 0.058+/-0.039 χ^2/NDF:52.5/50

Out: -0.027+/-0.036 χ^2/NDF:58.8/57

All: 0.012+/-0.026 χ^2/NDF: 113.8/108

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.413+/-0.035 χ^2/NDF: 2969654.2/27

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 167.309+/-0.031 χ^2/NDF: 5314259.5/32

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

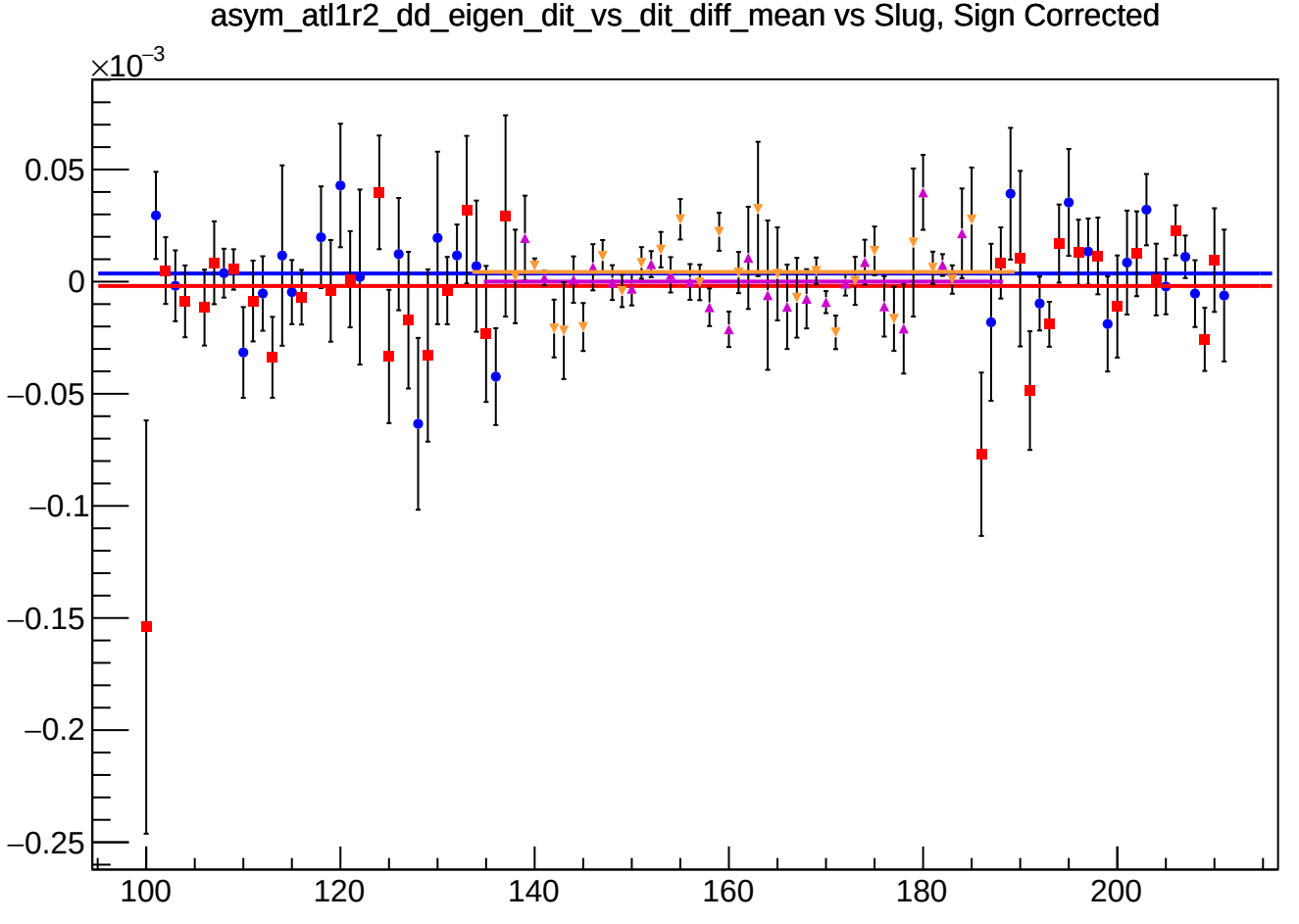
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 176.305+/-0.023 χ^2/NDF: 8466700.1/60

In: 213.280+/-0.027 χ^2/NDF:6518572.6/50

Out: 195.590+/-0.026 χ^2/NDF:11907791.8/57

All: 203.770+/-0.019 χ^2/NDF: 18648831.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

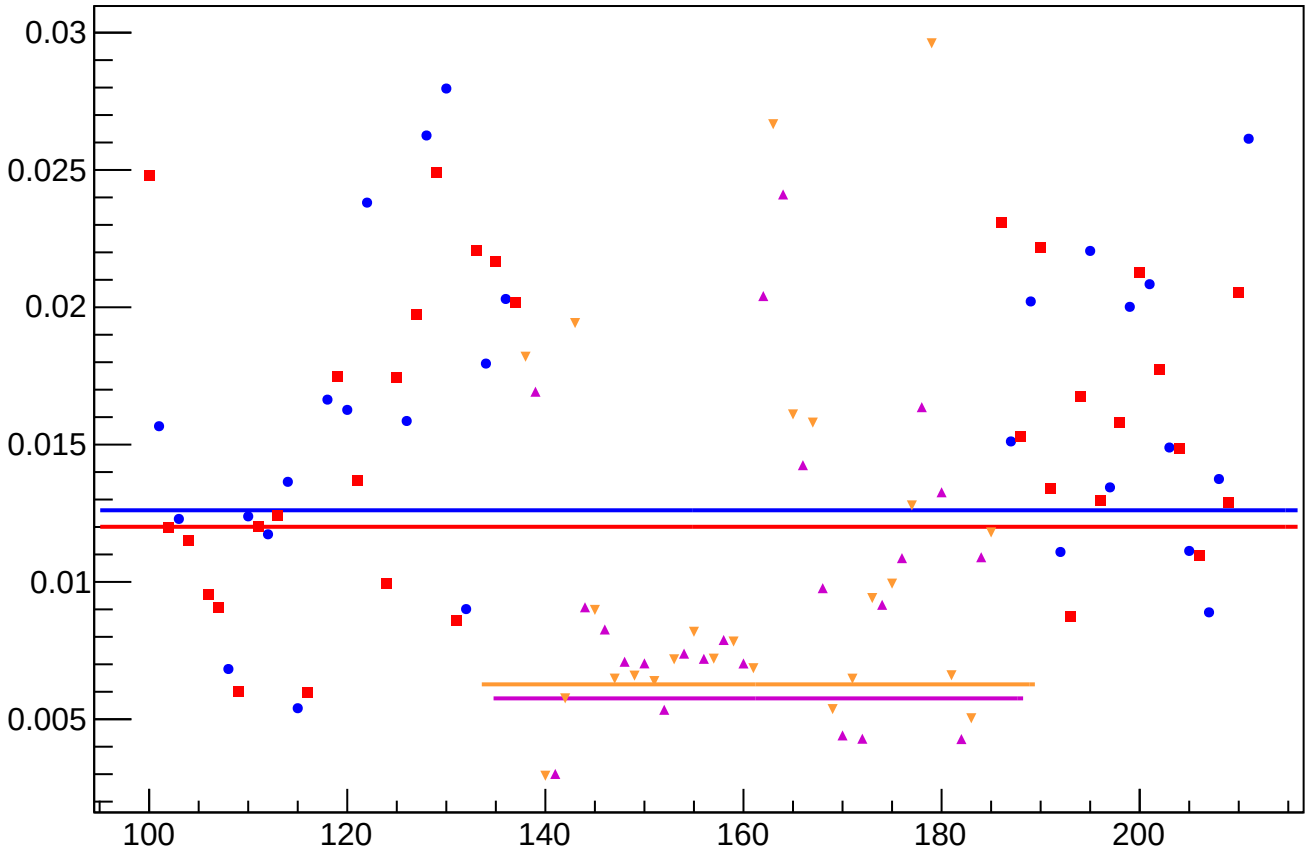
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/60

In: 0.000+/-0.000 χ^2/NDF:57.3/50

Out: 0.000+/-0.000 χ^2/NDF:86.4/57

All: 0.000+/-0.000 χ^2/NDF: 145.0/108



Right In: 0.013+/-0.000 χ^2/NDF: 4259642.9/27

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4386111.6/32

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

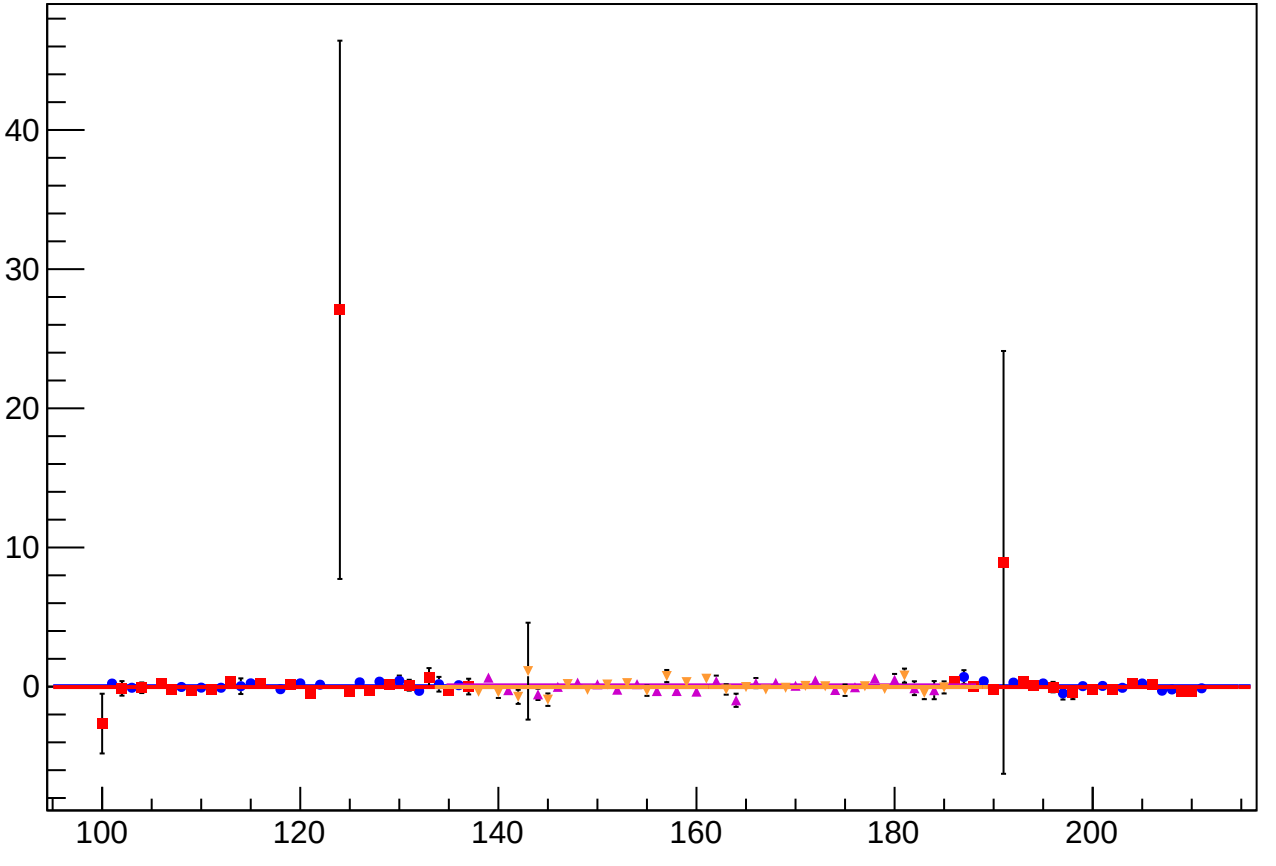
Right: 0.012+/-0.000 χ^2/NDF: 8680868.0/60

In: 0.007+/-0.000 χ^2/NDF:18151170.7/50

Out: 0.008+/-0.000 χ^2/NDF:17768036.2/57

All: 0.007+/-0.000 χ^2/NDF: 36074741.7/108

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.029+/-0.044 χ^2/NDF: 35.2/32

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

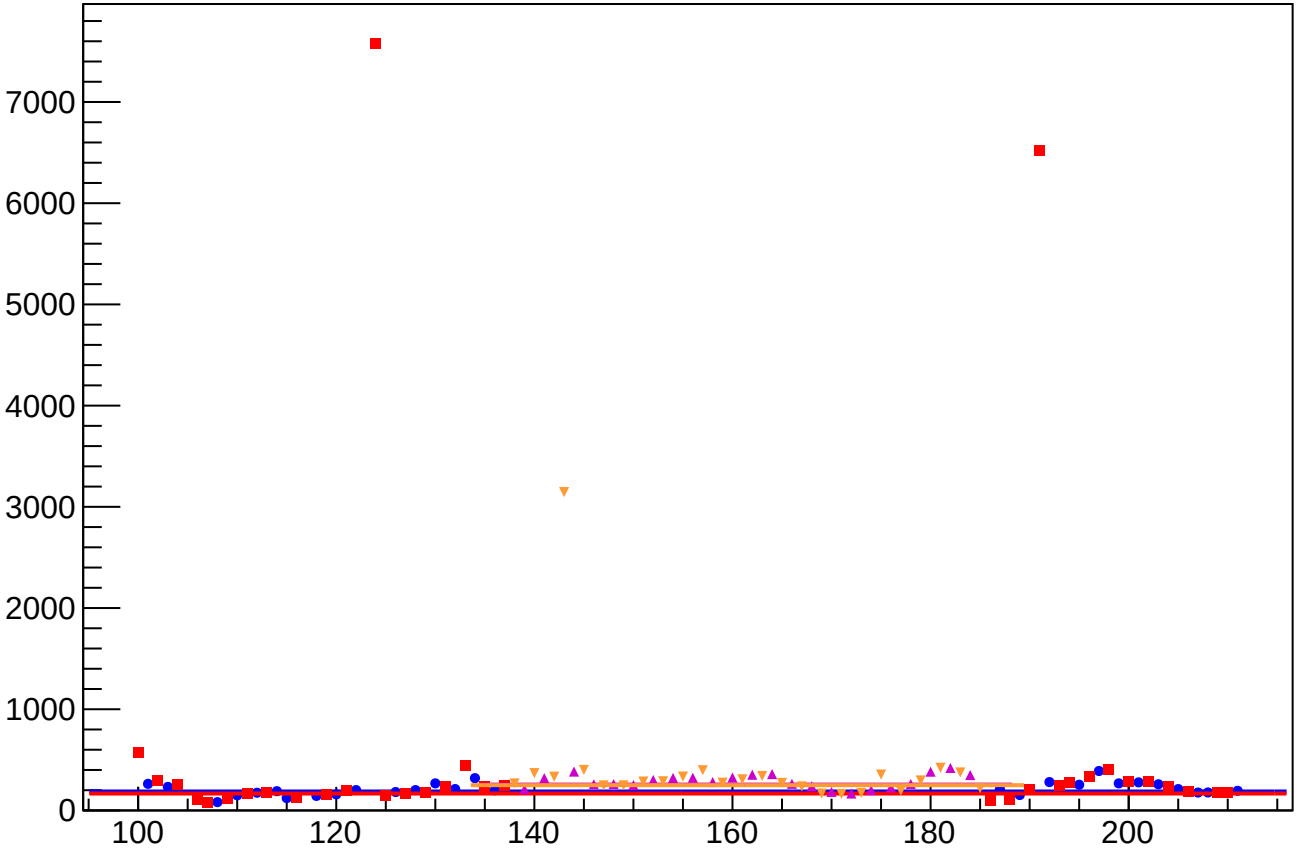
Right: 0.000+/-0.033 χ^2/NDF: 56.6/60

In: 0.058+/-0.039 χ^2/NDF:52.5/50

Out: -0.027+/-0.036 χ^2/NDF:58.8/57

All: 0.012+/-0.026 χ^2/NDF: 113.8/108

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.412+/-0.035 χ^2/NDF: 2969730.0/27

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 167.311+/-0.031 χ^2/NDF: 5314134.3/32

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

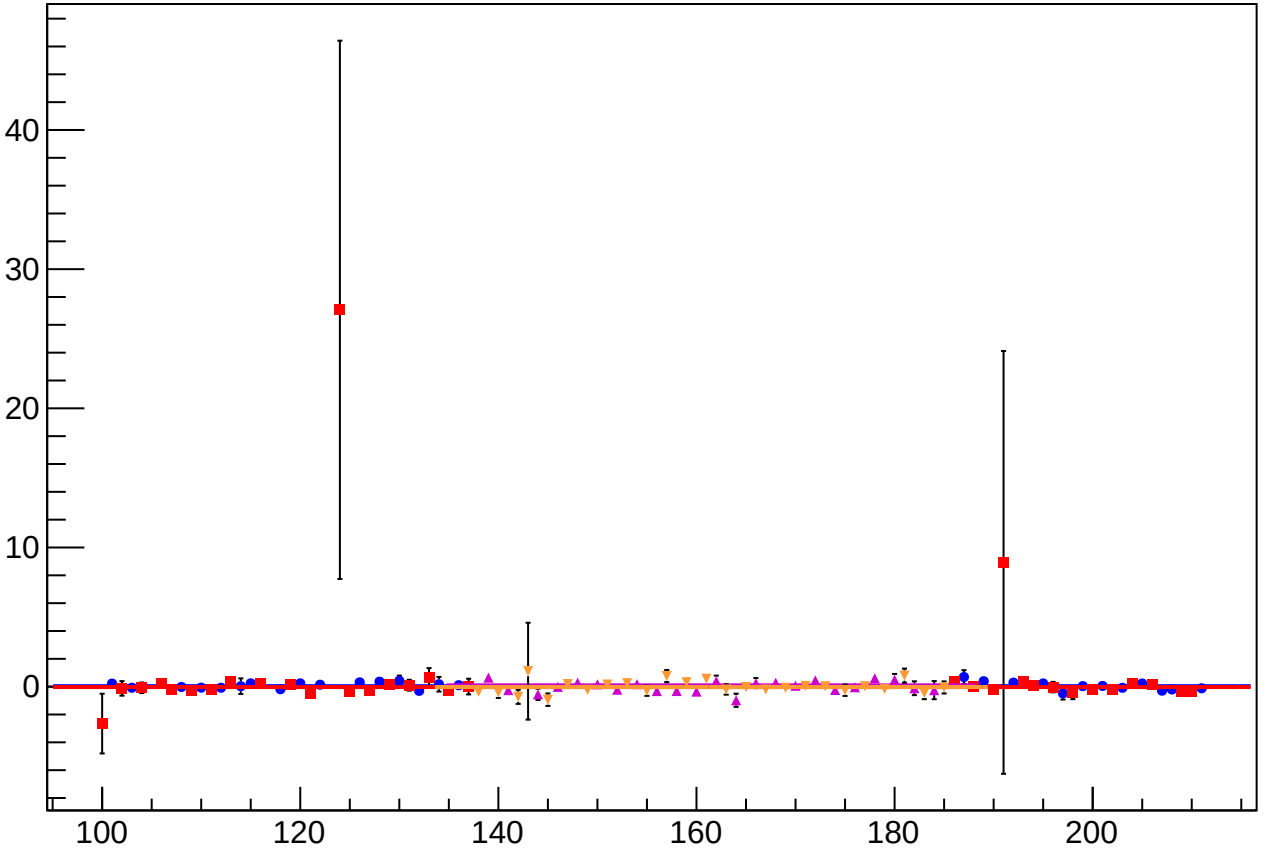
Right: 176.306+/-0.023 χ^2/NDF: 8466597.8/60

In: 213.280+/-0.027 χ^2/NDF:6518800.6/50

Out: 195.592+/-0.026 χ^2/NDF:11907696.2/57

All: 203.771+/-0.019 χ^2/NDF: 18648912.2/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.049 χ^2/NDF: 20.4/27

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.029+/-0.044 χ^2/NDF: 35.2/32

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

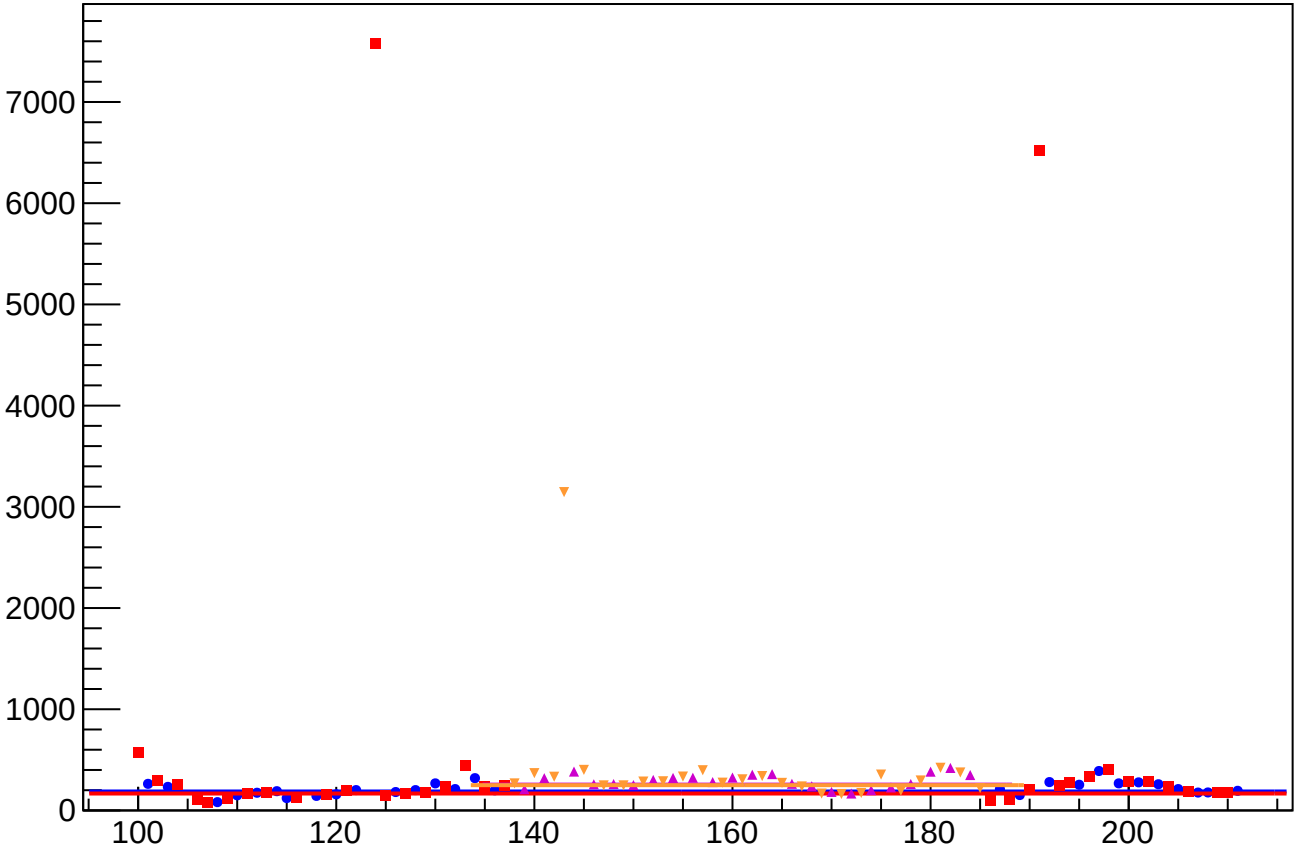
Right: 0.000+/-0.033 χ^2/NDF: 56.6/60

In: 0.058+/-0.039 χ^2/NDF:52.5/50

Out: -0.027+/-0.036 χ^2/NDF:58.8/57

All: 0.012+/-0.026 χ^2/NDF: 113.8/108

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.412+/-0.035 χ^2/NDF: 2969730.0/27

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 167.311+/-0.031 χ^2/NDF: 5314134.3/32

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

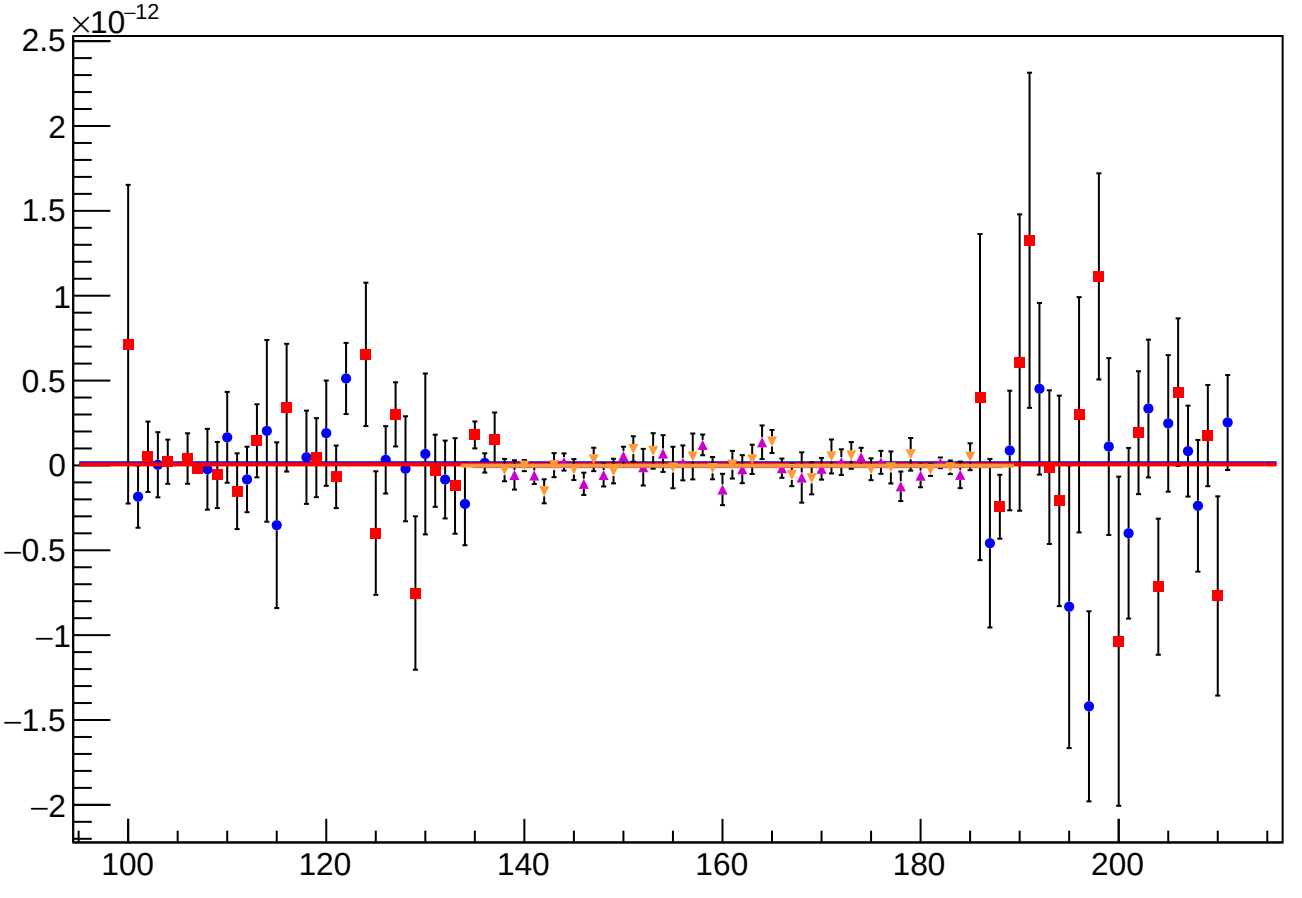
Right: 176.306+/-0.023 χ^2/NDF: 8466597.8/60

In: 213.280+/-0.027 χ^2/NDF:6518800.6/50

Out: 195.592+/-0.026 χ^2/NDF:11907696.2/57

All: 203.771+/-0.019 χ^2/NDF: 18648912.2/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/32

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

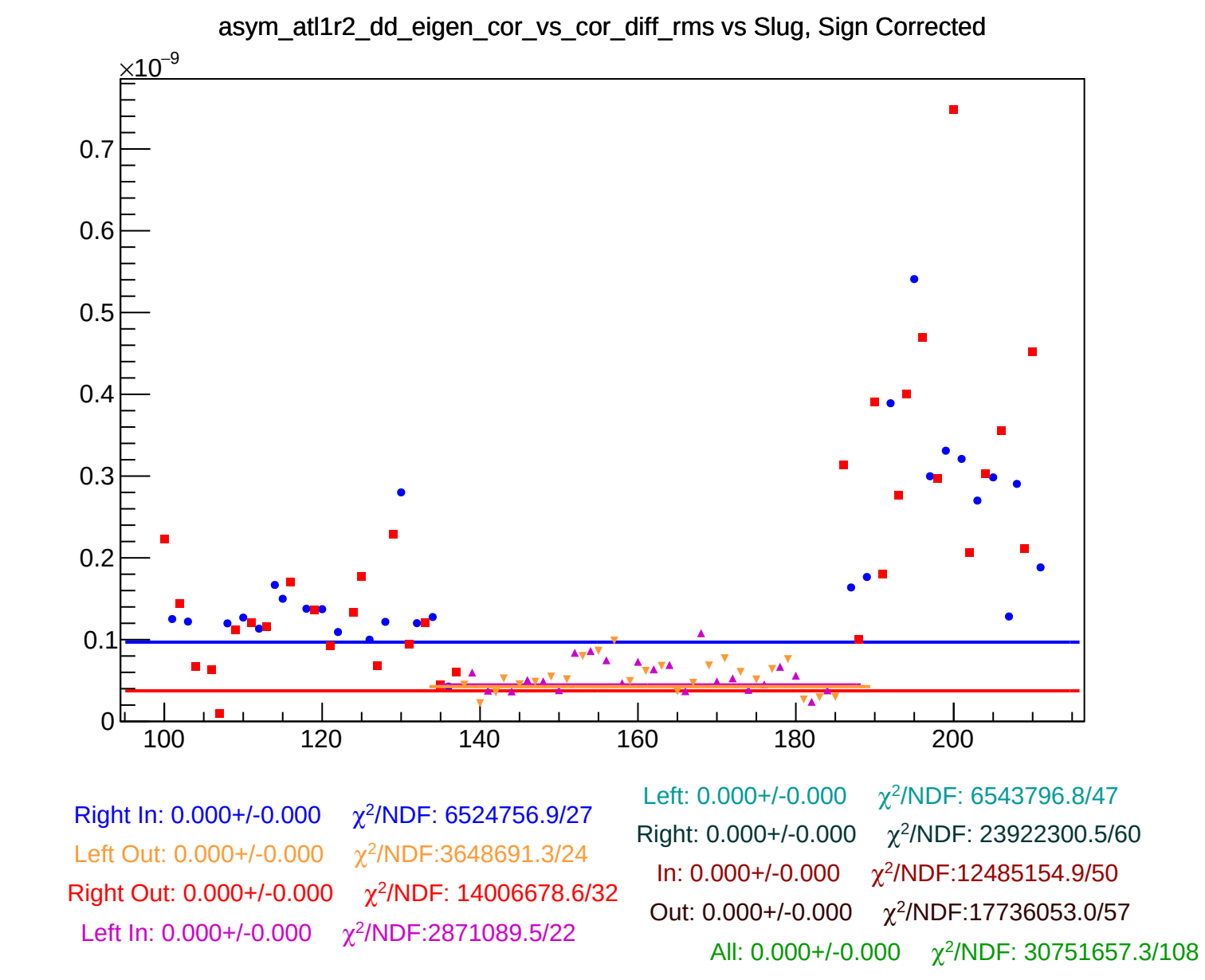
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 55.7/60

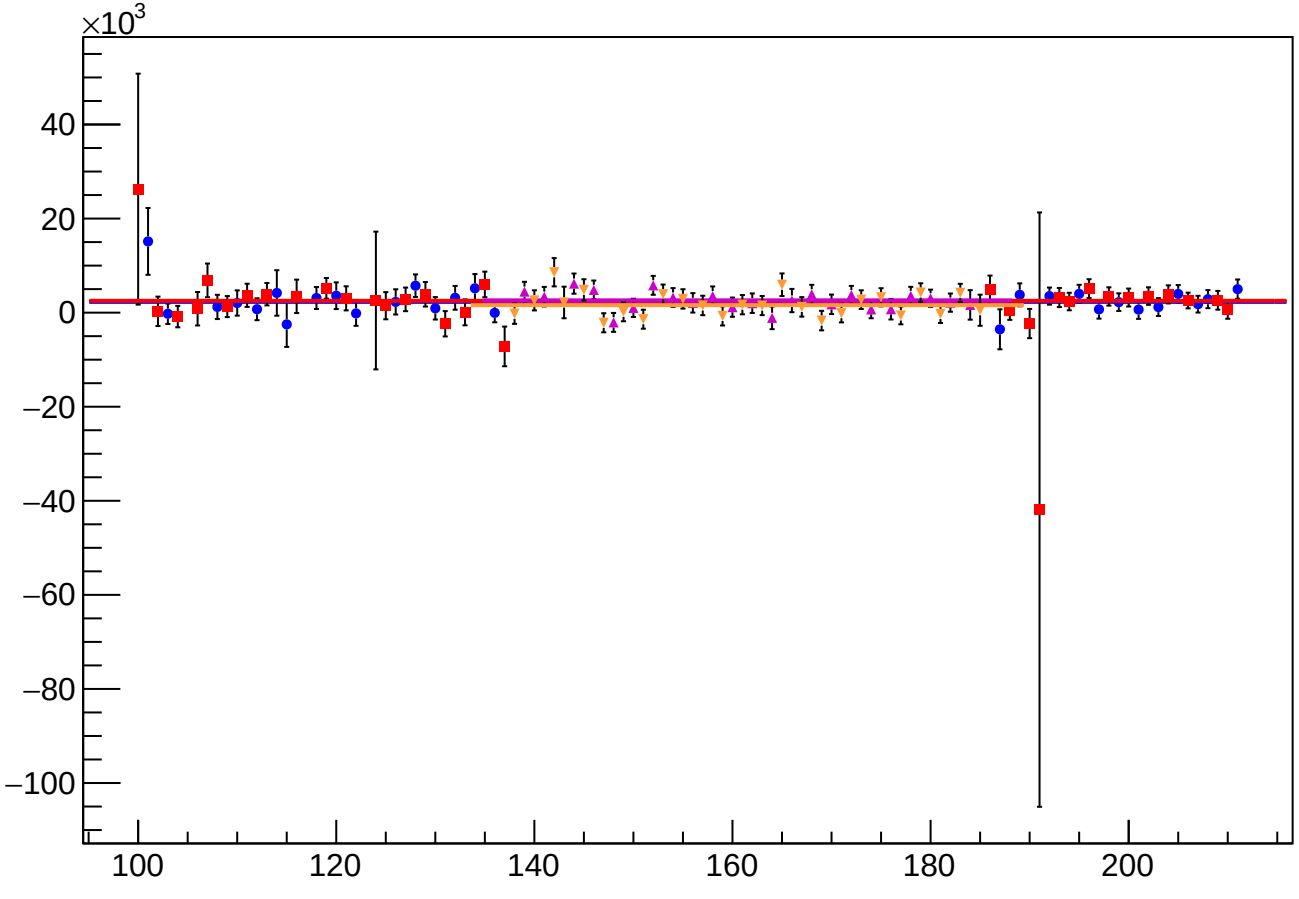
In: -0.000+/-0.000 χ^2/NDF:41.8/50

Out: 0.000+/-0.000 χ^2/NDF:50.3/57

All: -0.000+/-0.000 χ^2/NDF: 92.2/108


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6524756.9/27
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 14006678.6/32
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 23922300.5/60
In: 0.000+/-0.000 χ²/NDF:12485154.9/50
Out: 0.000+/-0.000 χ²/NDF:17736053.0/57
All: 0.000+/-0.000 χ²/NDF: 30751657.3/108

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2295.973+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2508.051+/-424.472 χ^2/NDF: 27.7/32

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

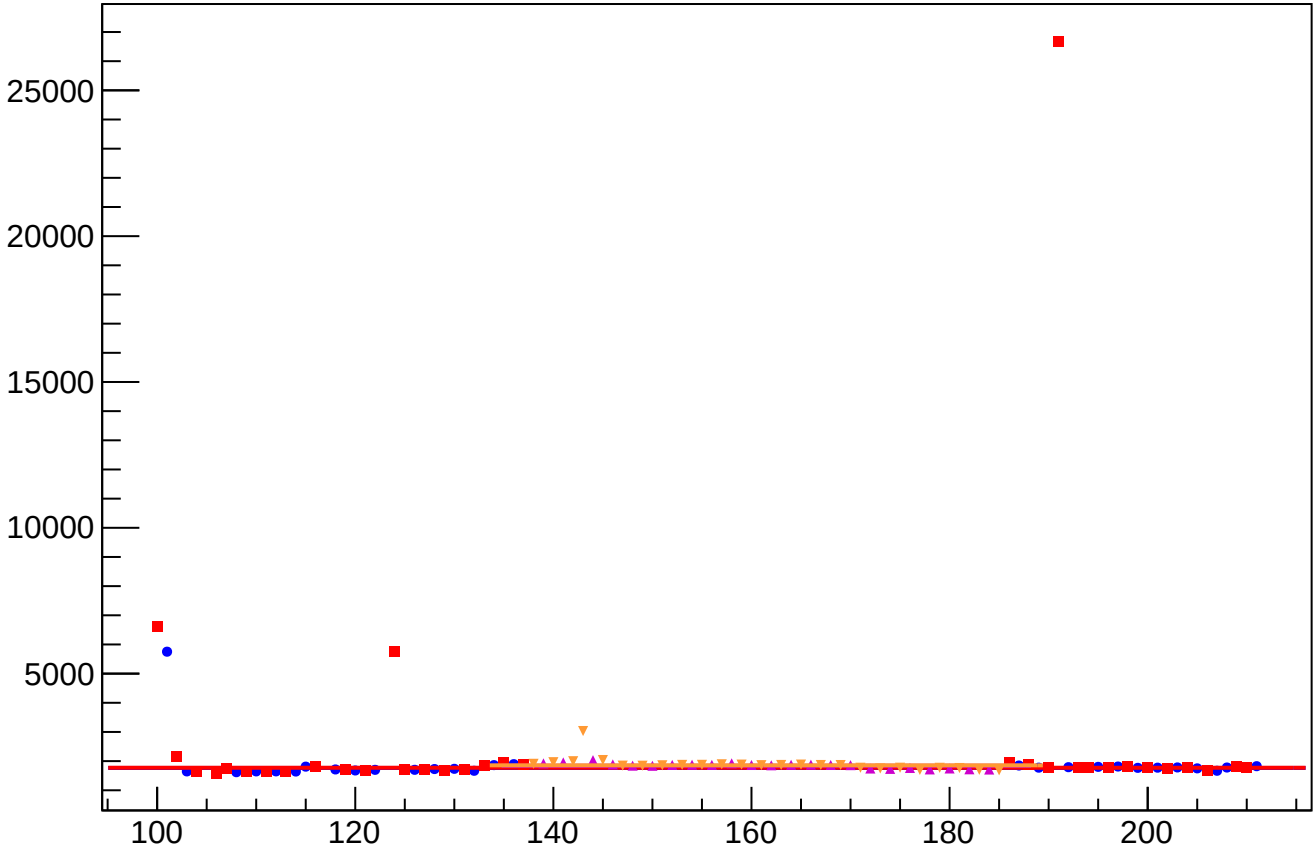
Right: 2405.246+/-304.690 χ^2/NDF: 48.1/60

In: 2449.404+/-306.822 χ^2/NDF:40.6/50

Out: 2048.989+/-299.731 χ^2/NDF:61.3/57

All: 2244.517+/-214.405 χ^2/NDF: 102.8/108

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.5/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1772.135+/-0.299 χ^2/NDF: 647906.3/32

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

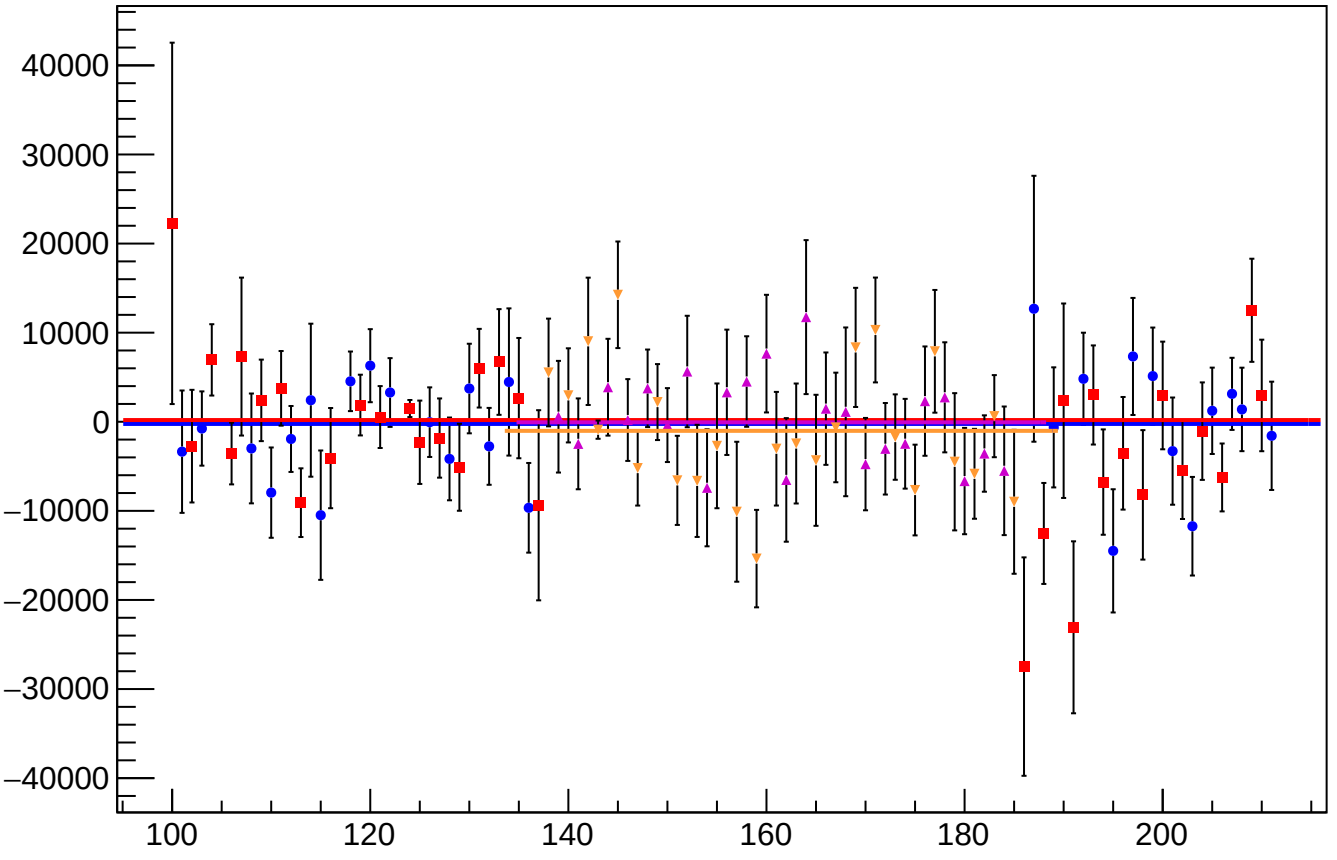
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1768.769+/-0.215 χ^2/NDF: 1330909.6/60

In: 1803.716+/-0.217 χ^2/NDF:784244.3/50

Out: 1813.833+/-0.212 χ^2/NDF:1011028.7/57

All: 1808.901+/-0.151 χ^2/NDF: 1796387.5/10



Right In: -244.011+/-952.081 χ^2/NDF: 29.7/27

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 192.048+/-662.468 χ^2/NDF: 49.2/32

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

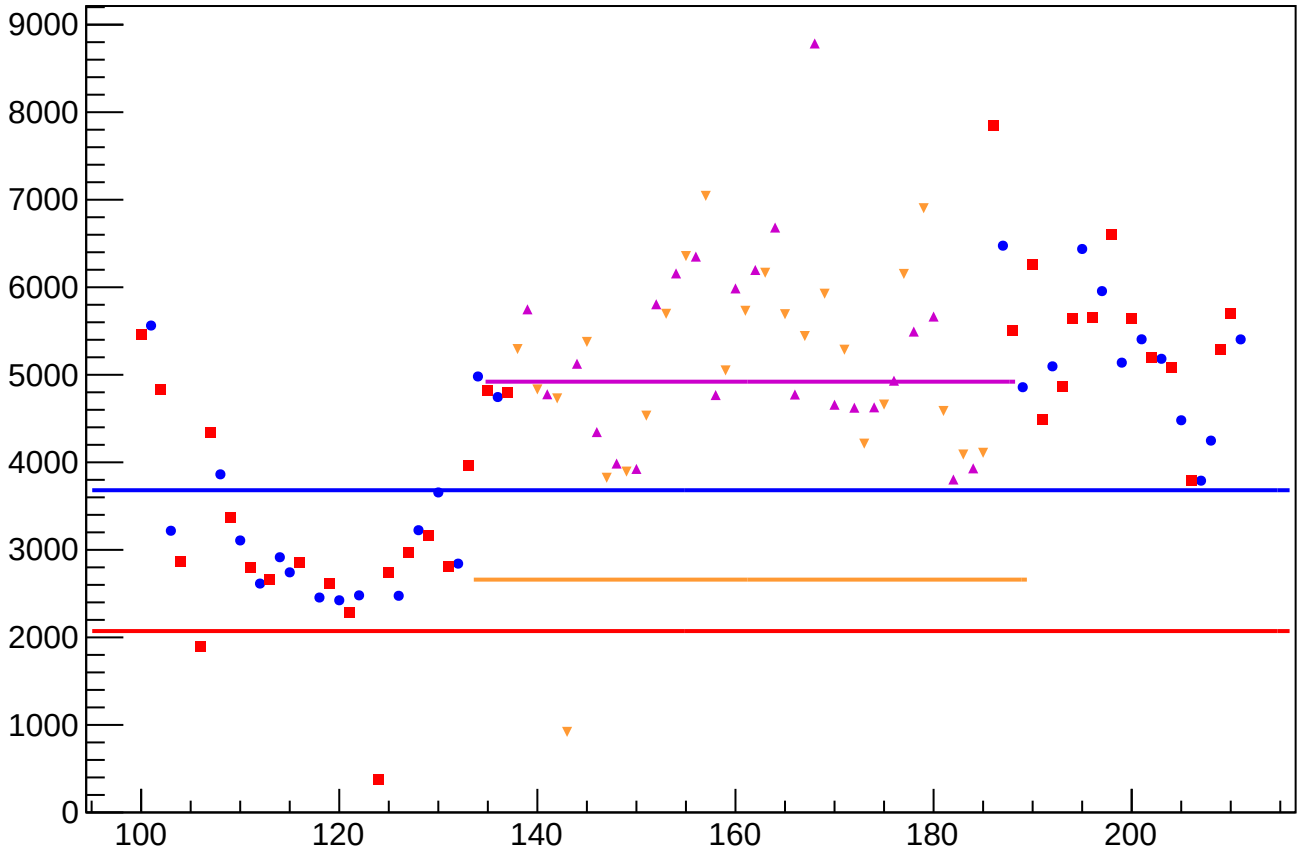
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 49.799+/-543.783 χ^2/NDF: 79.1/60

In: -171.903+/-739.333 χ^2/NDF:42.8/50

Out: -321.622+/-502.690 χ^2/NDF:84.4/57

All: -274.289+/-415.702 χ^2/NDF: 127.2/108



Right In: 3681.272+/-0.673 χ^2/NDF: 3031623.9/27

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2072.259+/-0.468 χ^2/NDF: 16175026.6/32

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

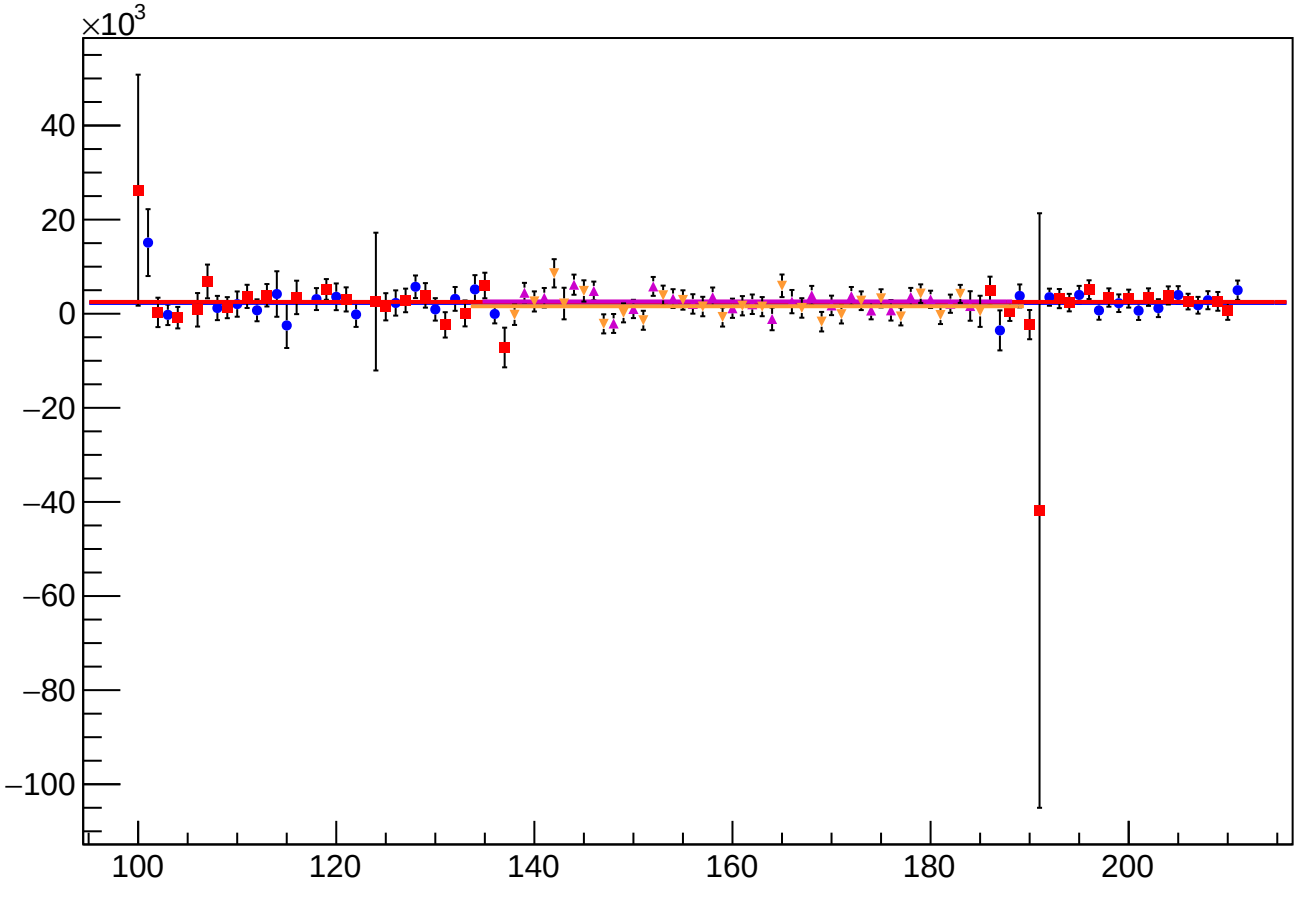
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2597.143+/-0.385 χ^2/NDF: 23055428.9/60

In: 4173.543+/-0.523 χ^2/NDF:5629615.9/50

Out: 2321.584+/-0.355 χ^2/NDF:31378919.1/57

All: 2907.069+/-0.294 χ^2/NDF: 45590314.2/



Right In: 2295.776+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2508.085+/-424.472 χ^2/NDF: 27.7/32

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

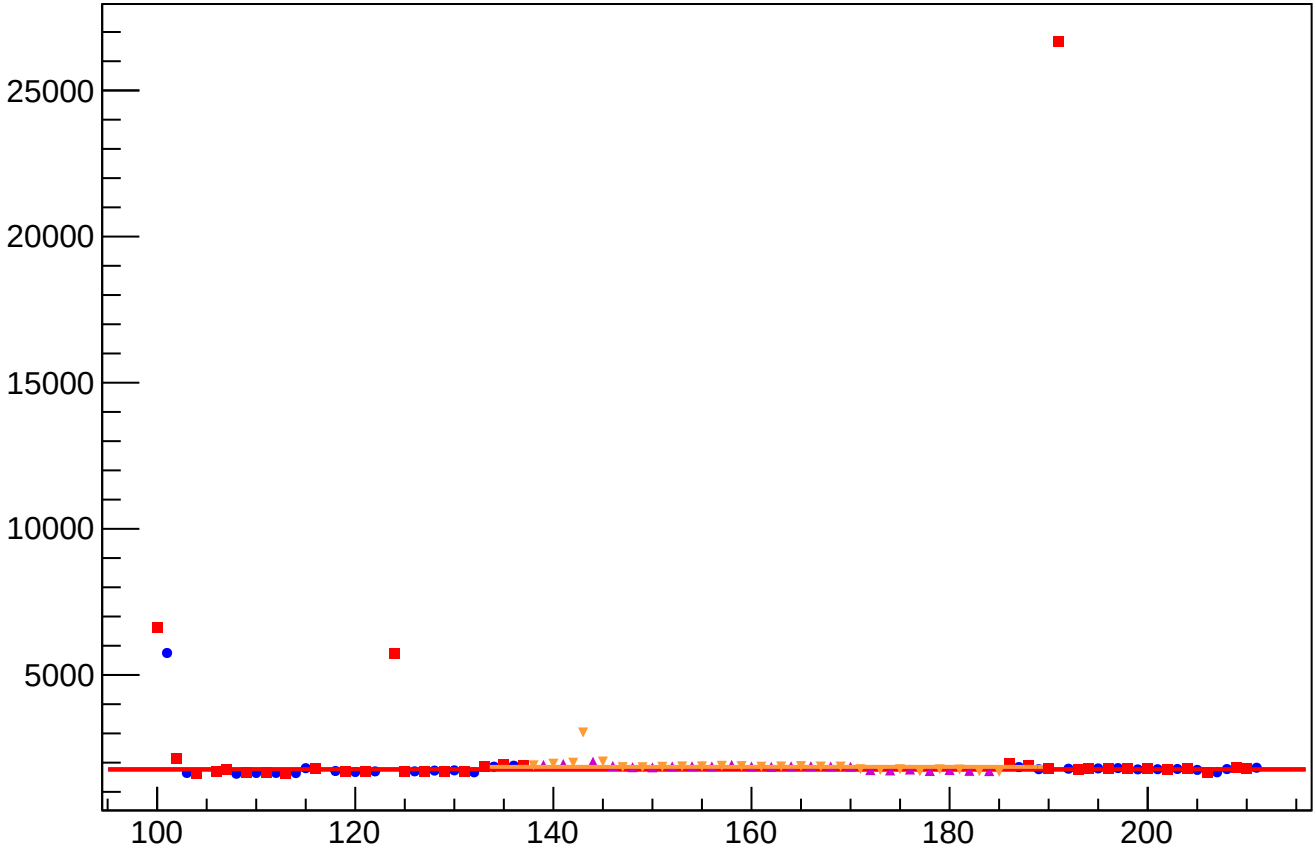
Right: 2405.168+/-304.690 χ^2/NDF: 48.1/60

In: 2449.344+/-306.822 χ^2/NDF:40.5/50

Out: 2048.990+/-299.731 χ^2/NDF:61.3/57

All: 2244.487+/-214.405 χ^2/NDF: 102.7/108

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.7/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.059+/-0.300 χ^2/NDF: 639294.3/32

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

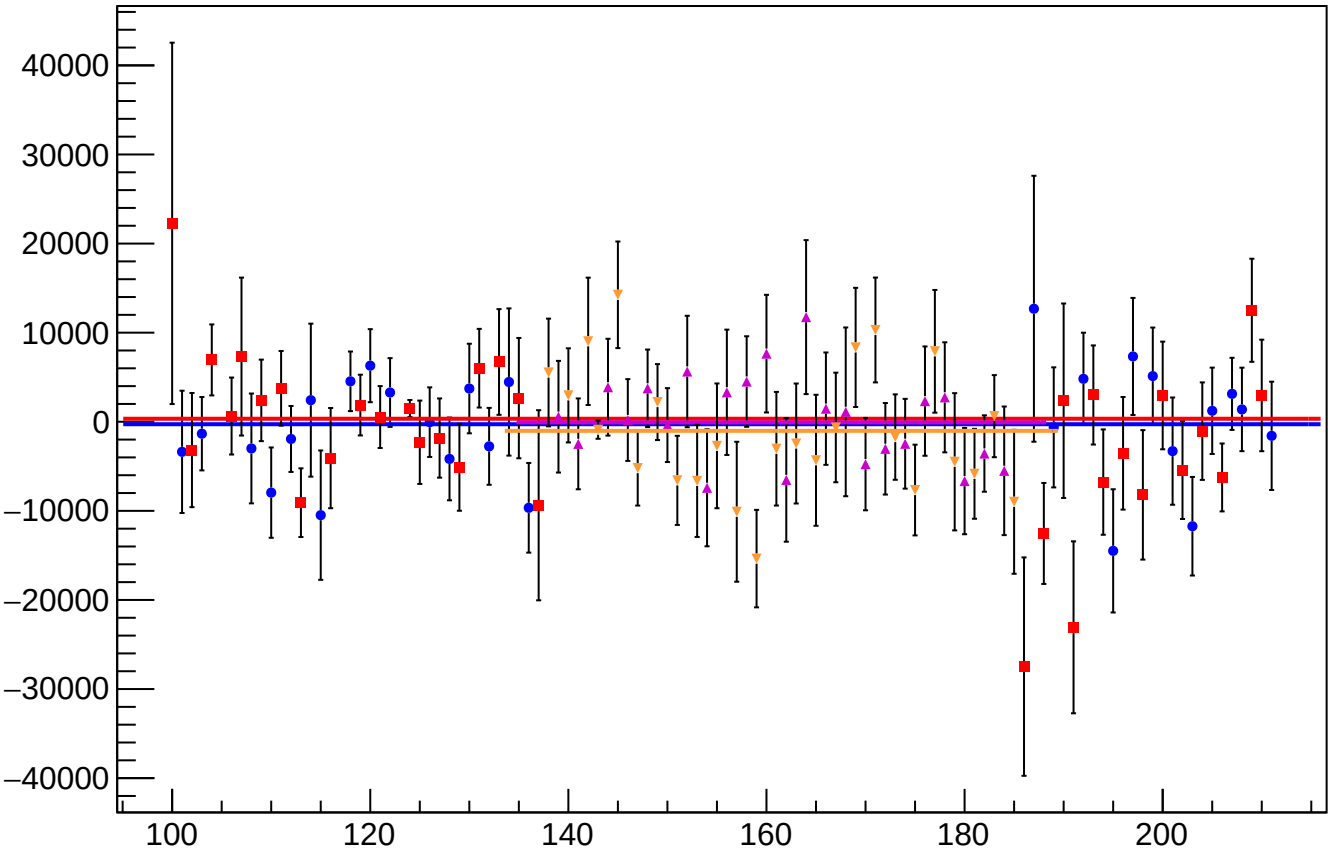
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1770.273+/-0.215 χ^2/NDF: 1322563.1/60

In: 1803.716+/-0.217 χ^2/NDF:784244.6/50

Out: 1815.358+/-0.212 χ^2/NDF:999685.1/57

All: 1809.677+/-0.152 χ^2/NDF: 1785404.2/10



Right In: -276.304+/-951.436 χ^2/NDF: 29.8/27

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 339.623+/-666.811 χ^2/NDF: 48.1/32

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

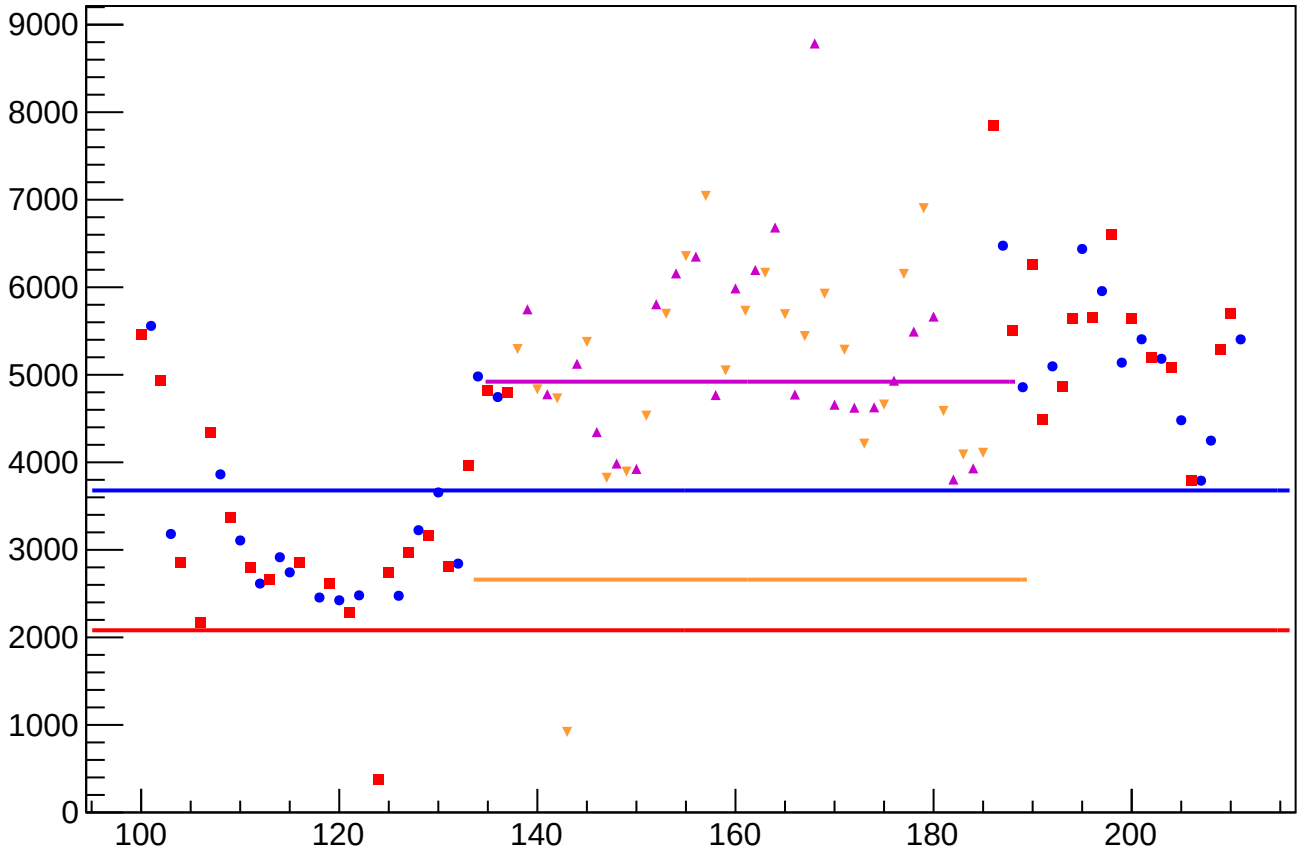
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 136.741+/-546.055 χ^2/NDF: 78.2/60

In: -191.413+/-739.031 χ^2/NDF:42.8/50

Out: -240.940+/-504.574 χ^2/NDF:83.6/57

All: -225.193+/-416.712 χ^2/NDF: 126.5/108



Right In: 3678.670+/-0.673 χ^2/NDF: 3035993.3/27

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2081.294+/-0.472 χ^2/NDF: 16185825.7/32

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

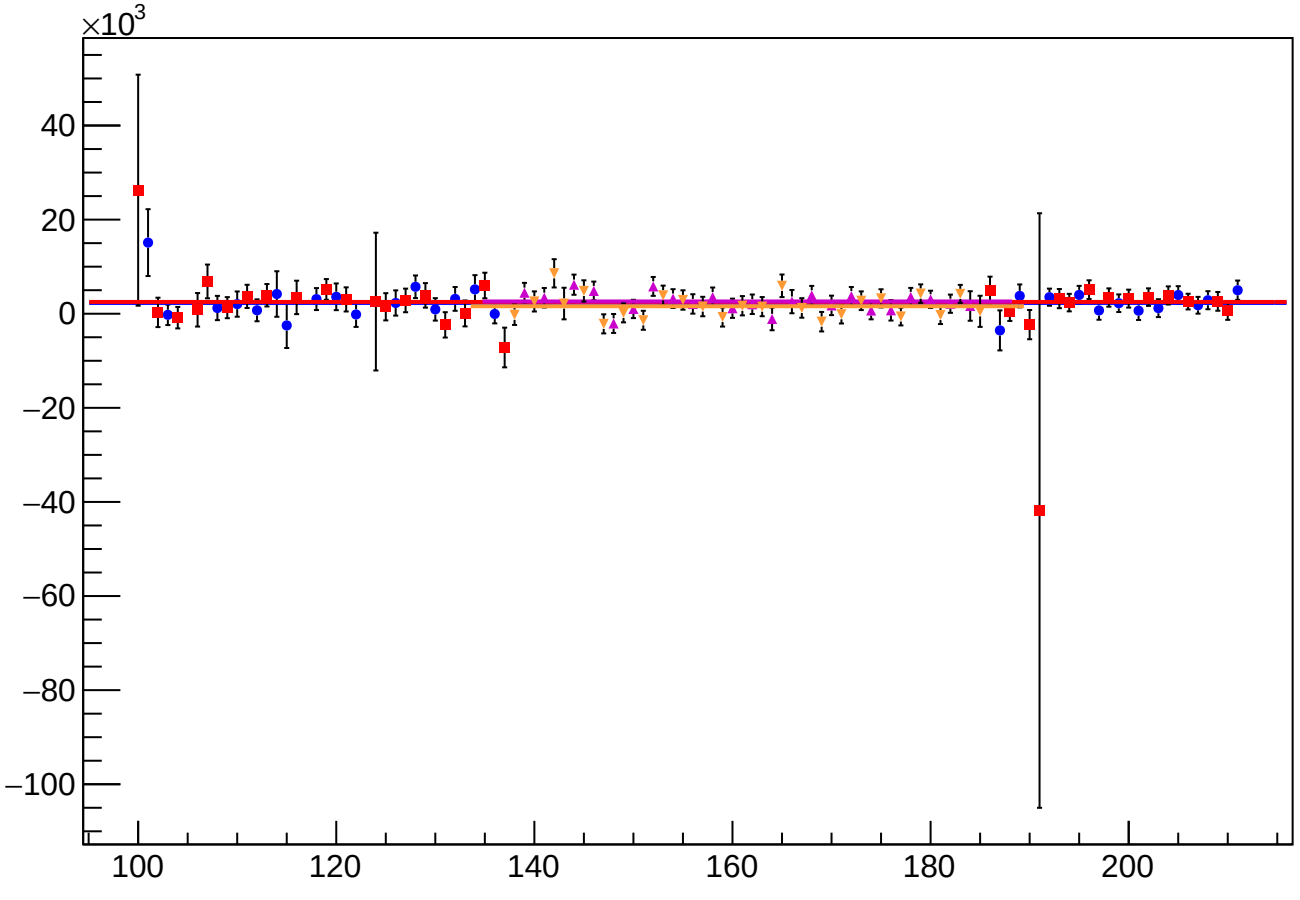
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2607.459+/-0.386 χ^2/NDF: 23002354.7/60

In: 4171.571+/-0.523 χ^2/NDF:5640371.9/50

Out: 2328.598+/-0.357 χ^2/NDF:31366279.0/57

All: 2914.555+/-0.295 χ^2/NDF: 45489938.0/



Right In: 2295.776+/-437.622 χ^2/NDF: 20.2/27

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2508.085+/-424.472 χ^2/NDF: 27.7/32

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

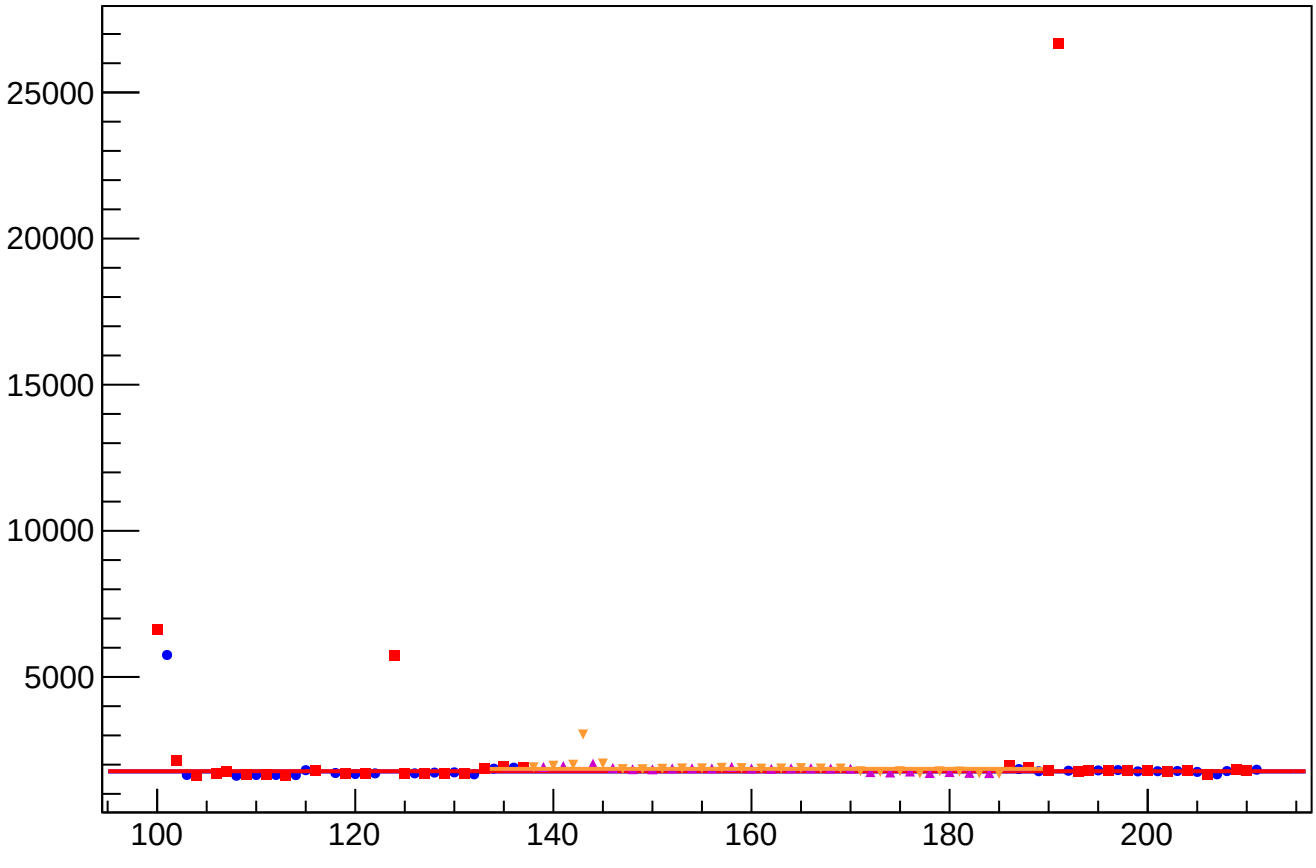
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2405.168+/-304.690 χ^2/NDF: 48.1/60

In: 2449.344+/-306.822 χ^2/NDF:40.5/50

Out: 2048.990+/-299.731 χ^2/NDF:61.3/57

All: 2244.487+/-214.405 χ^2/NDF: 102.7/108



Right In: 1765.170+/-0.309 χ^2/NDF: 682741.7/27

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.059+/-0.300 χ^2/NDF: 639294.3/32

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

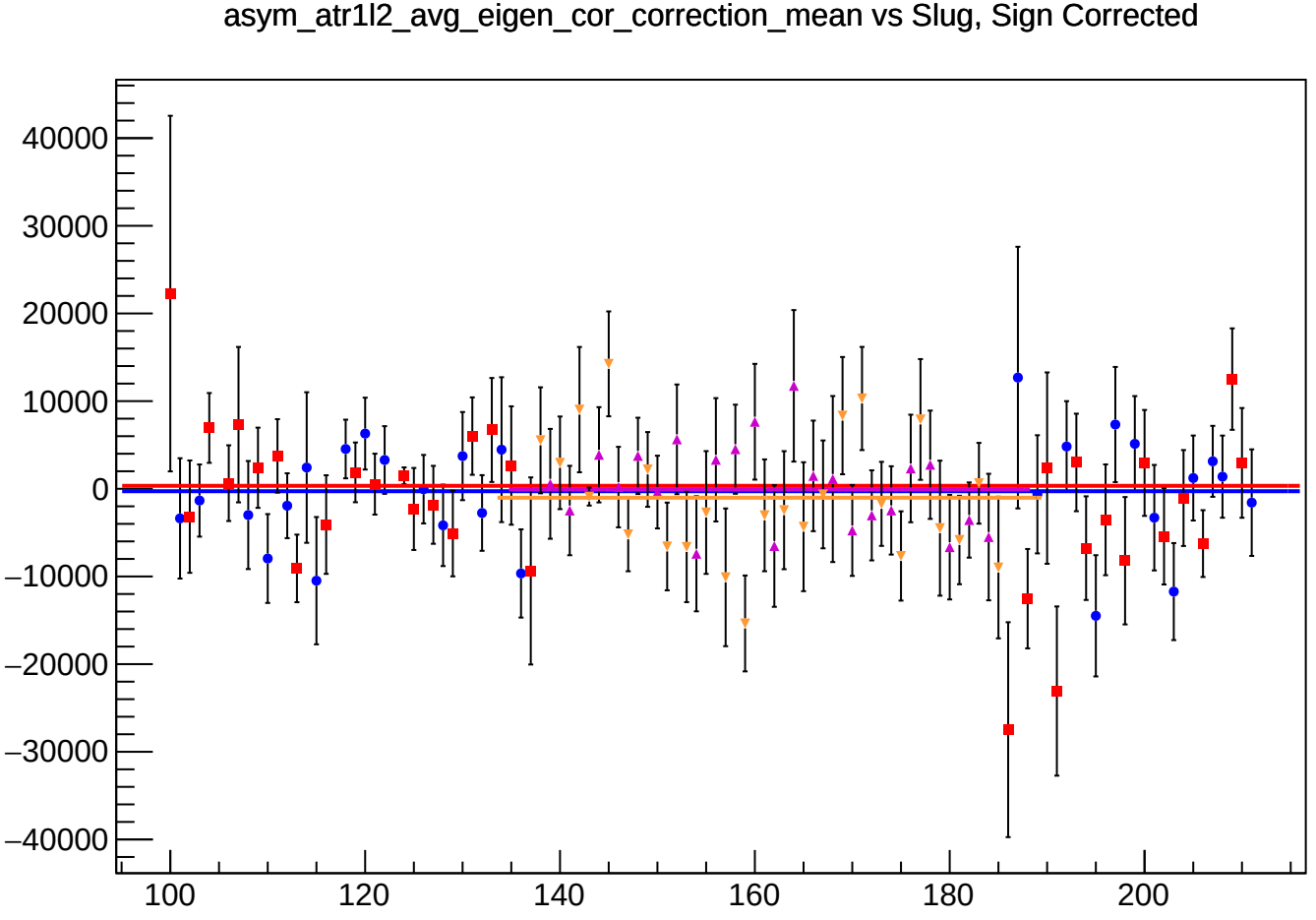
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1770.273+/-0.215 χ^2/NDF: 1322563.1/60

In: 1803.716+/-0.217 χ^2/NDF:784244.6/50

Out: 1815.358+/-0.212 χ^2/NDF:999685.1/57

All: 1809.677+/-0.152 χ^2/NDF: 1785404.2/10



Right In: -276.304+/-951.436 χ^2/NDF: 29.8/27

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 339.623+/-666.811 χ^2/NDF: 48.1/32

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

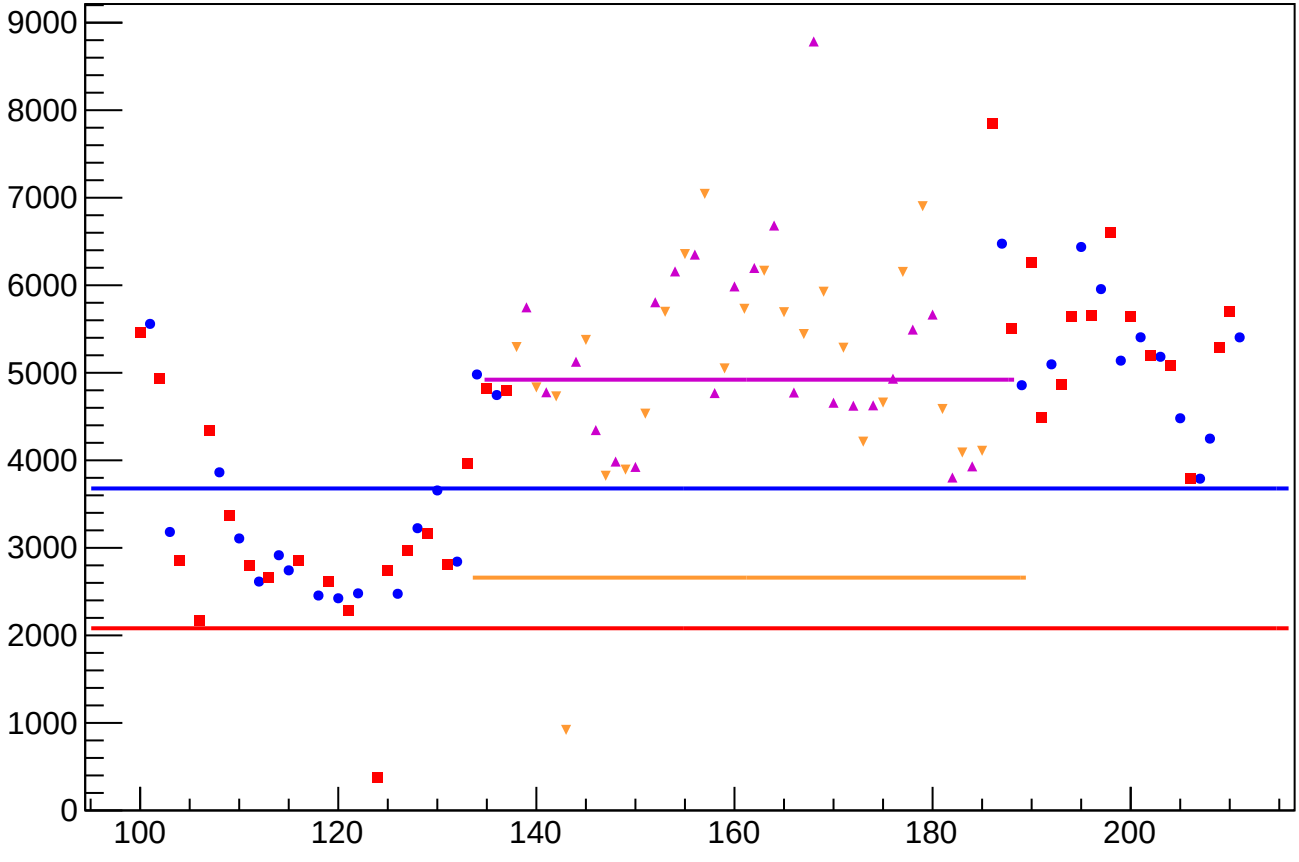
Right: 136.741+/-546.055 χ^2/NDF: 78.2/60

In: -191.413+/-739.031 χ^2/NDF:42.8/50

Out: -240.940+/-504.574 χ^2/NDF:83.6/57

All: -225.193+/-416.712 χ^2/NDF: 126.5/108

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3678.670+/-0.673 χ^2/NDF: 3035993.3/27

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2081.294+/-0.472 χ^2/NDF: 16185825.7/32

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

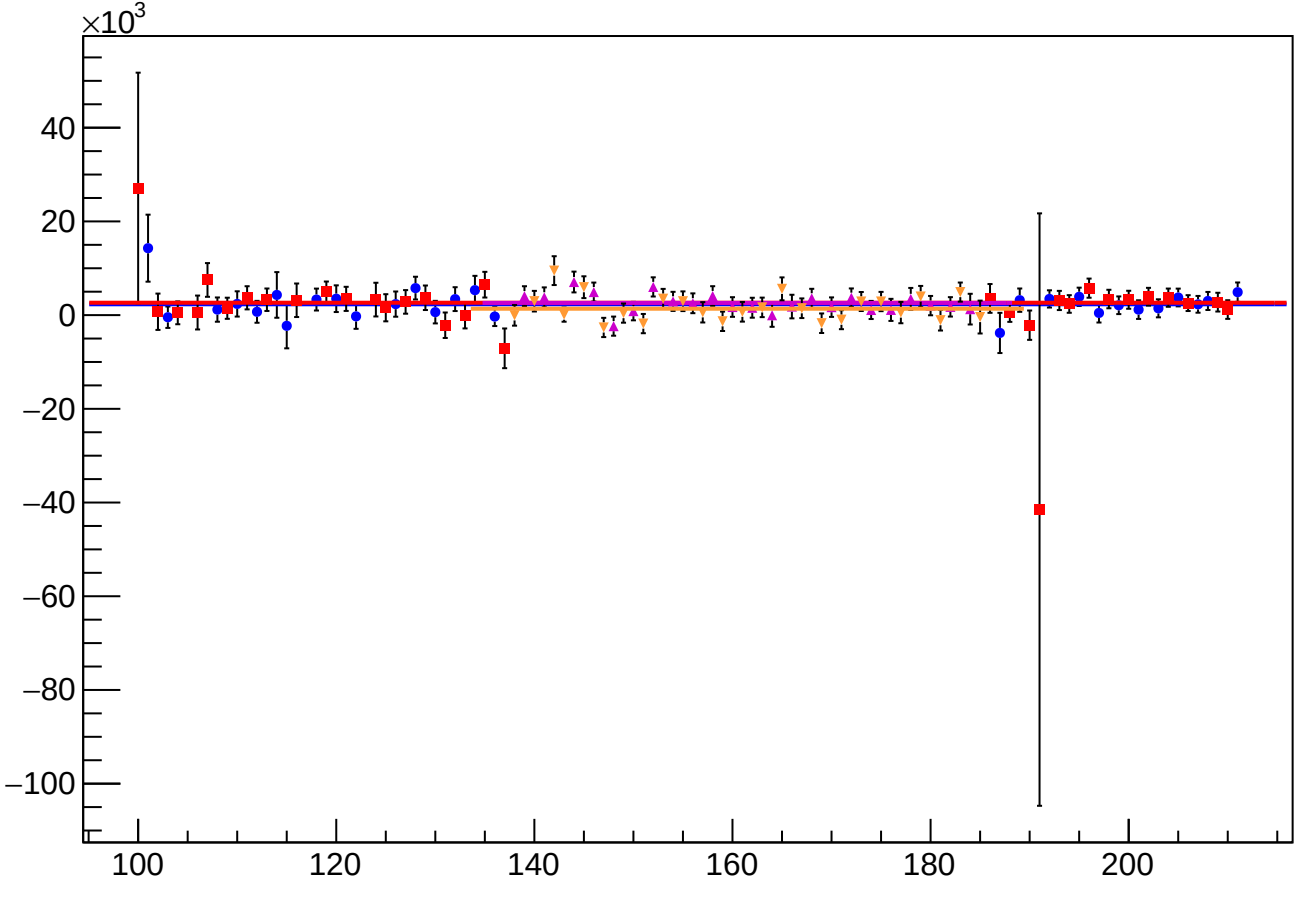
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2607.459+/-0.386 χ^2/NDF: 23002354.7/60

In: 4171.571+/-0.523 χ^2/NDF:5640371.9/50

Out: 2328.598+/-0.357 χ^2/NDF:31366279.0/57

All: 2914.555+/-0.295 χ^2/NDF: 45489938.0/



Right In: 2312.733+/-442.276 χ^2/NDF: 19.5/27

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2645.345+/-427.695 χ^2/NDF: 25.7/32

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

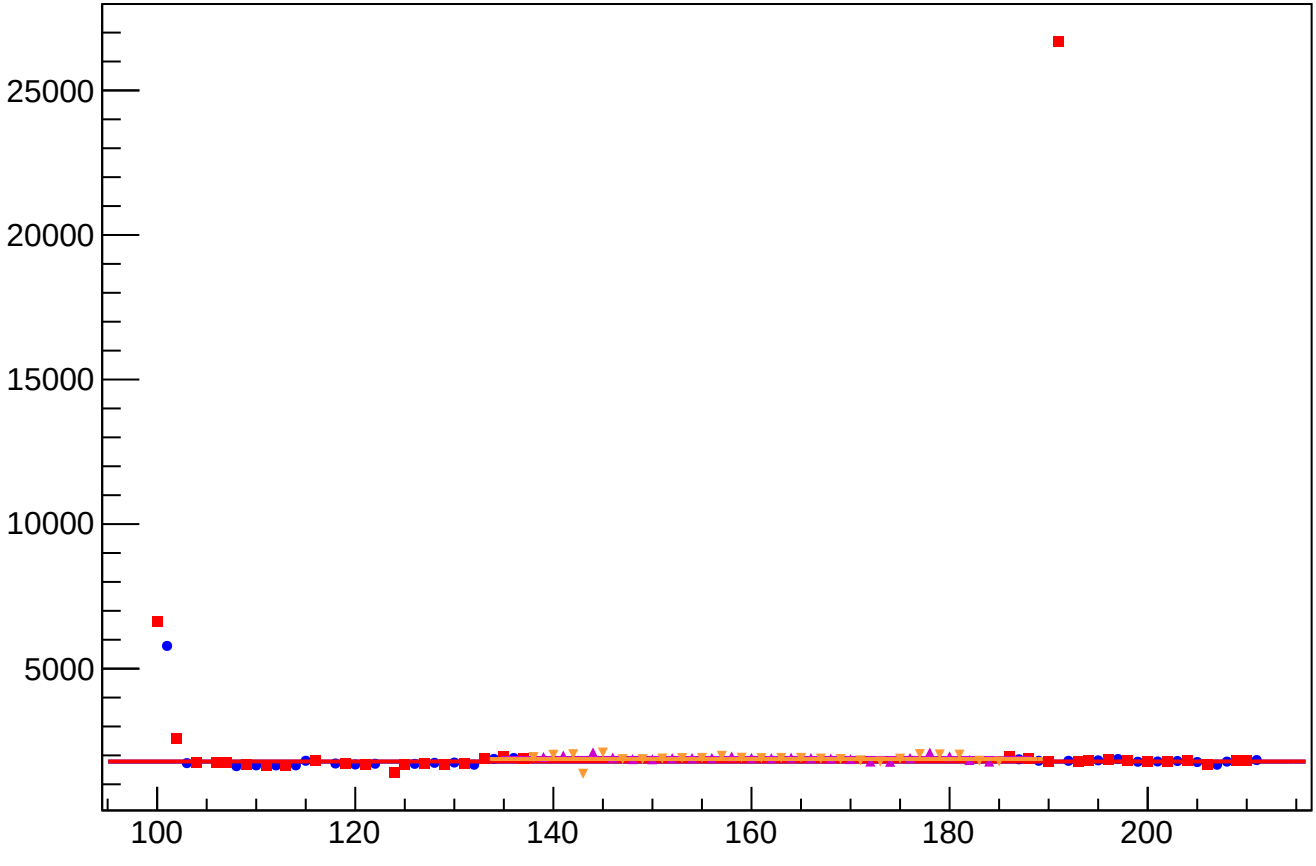
Right: 2484.612+/-307.452 χ^2/NDF: 45.5/60

In: 2456.327+/-314.303 χ^2/NDF:39.8/50

Out: 2004.073+/-302.298 χ^2/NDF:66.3/57

All: 2221.398+/-217.877 χ^2/NDF: 107.1/108

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.722+/-0.313 χ^2/NDF: 683630.6/27

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1788.919+/-0.302 χ^2/NDF: 562605.0/32

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

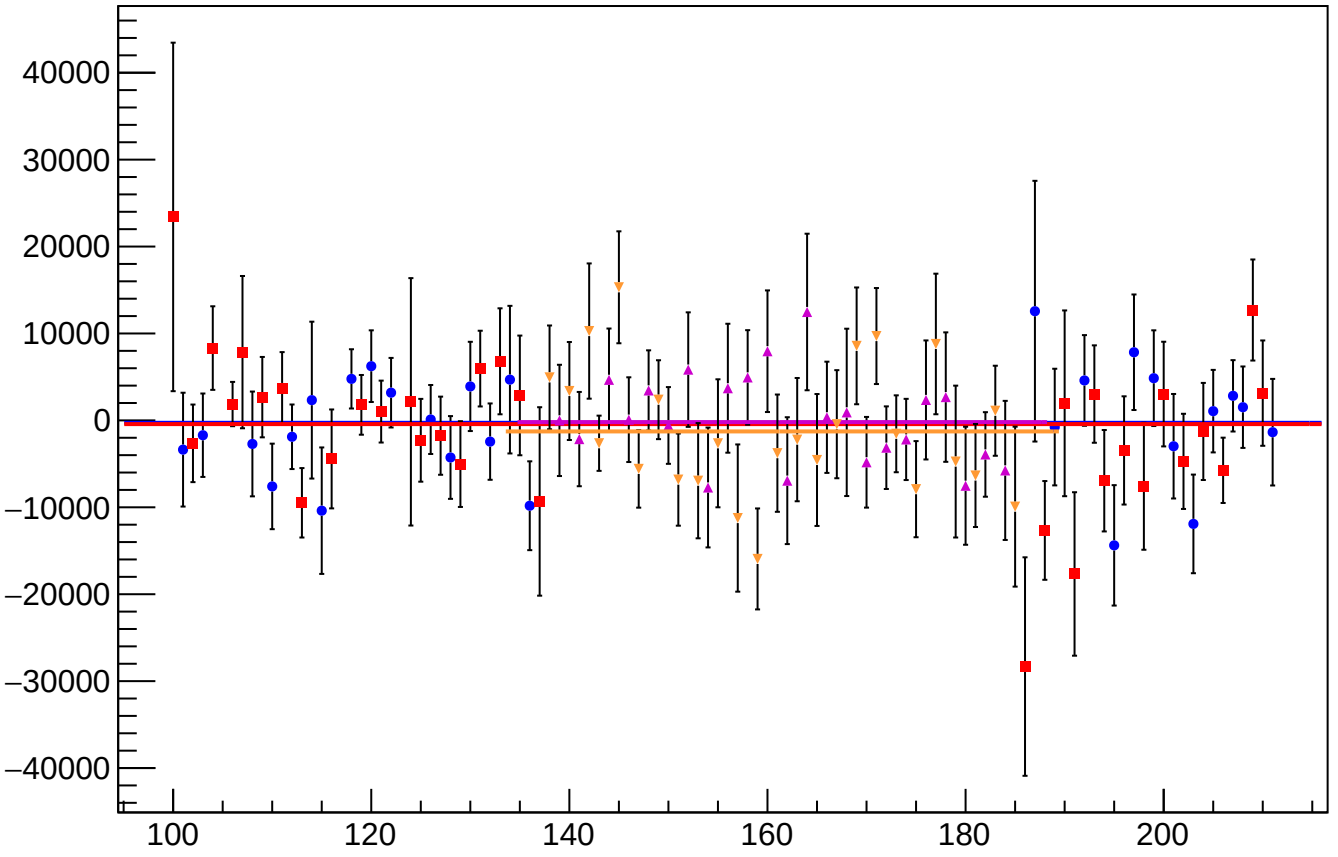
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1786.411+/-0.217 χ^2/NDF: 1246378.5/60

In: 1846.931+/-0.222 χ^2/NDF:825302.4/50

Out: 1831.037+/-0.214 χ^2/NDF:911226.4/57

All: 1838.670+/-0.154 χ^2/NDF: 1739187.2/10



Right In: -278.752+/-966.441 χ^2/NDF: 29.1/27

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -428.011+/-891.535 χ^2/NDF: 44.2/32

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

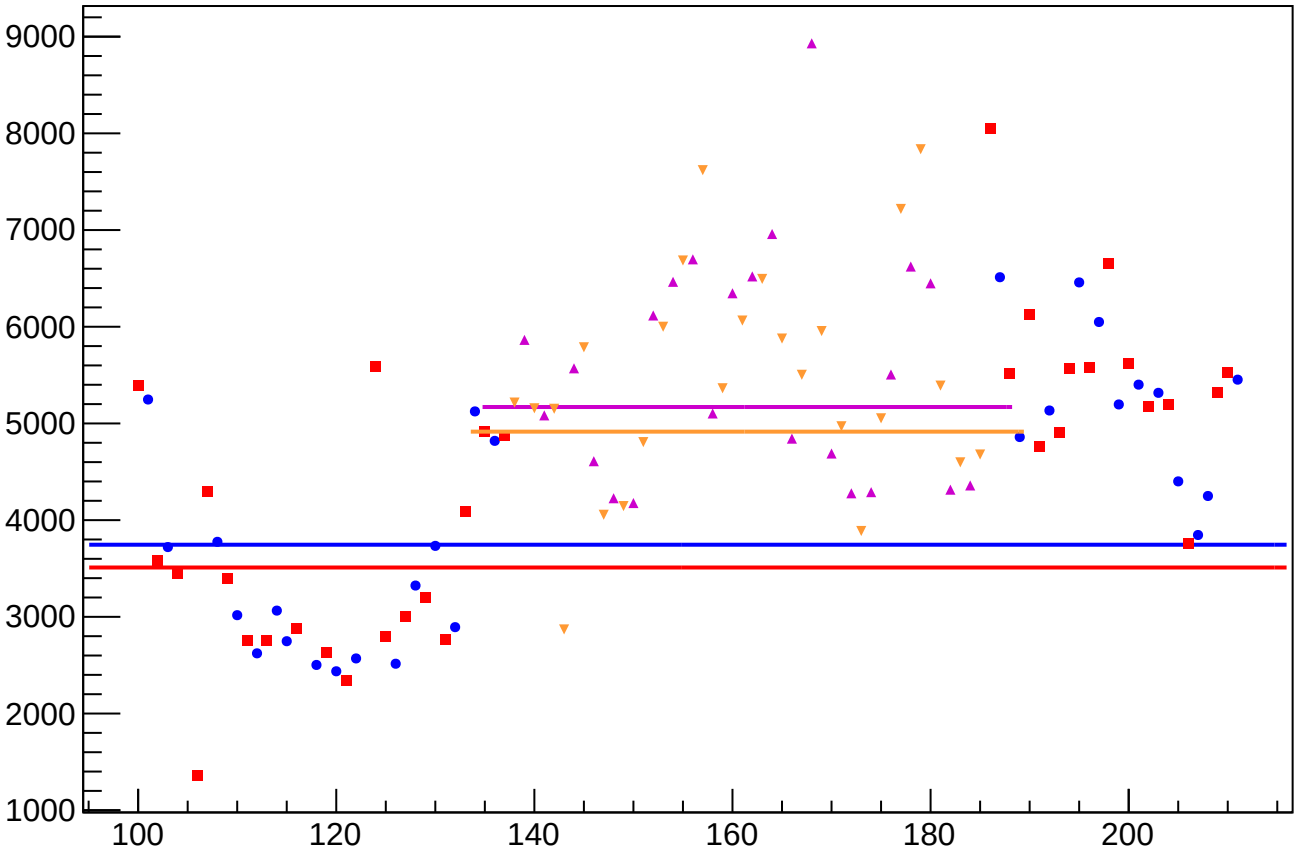
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -359.389+/-655.294 χ^2/NDF: 73.3/60

In: -247.657+/-760.993 χ^2/NDF:41.9/50

Out: -741.902+/-706.002 χ^2/NDF:77.9/57

All: -513.281+/-517.569 χ^2/NDF: 120.0/108



Right In: 3745.835+/-0.683 χ^2/NDF: 2918783.3/27

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3510.256+/-0.630 χ^2/NDF: 4947636.3/32

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

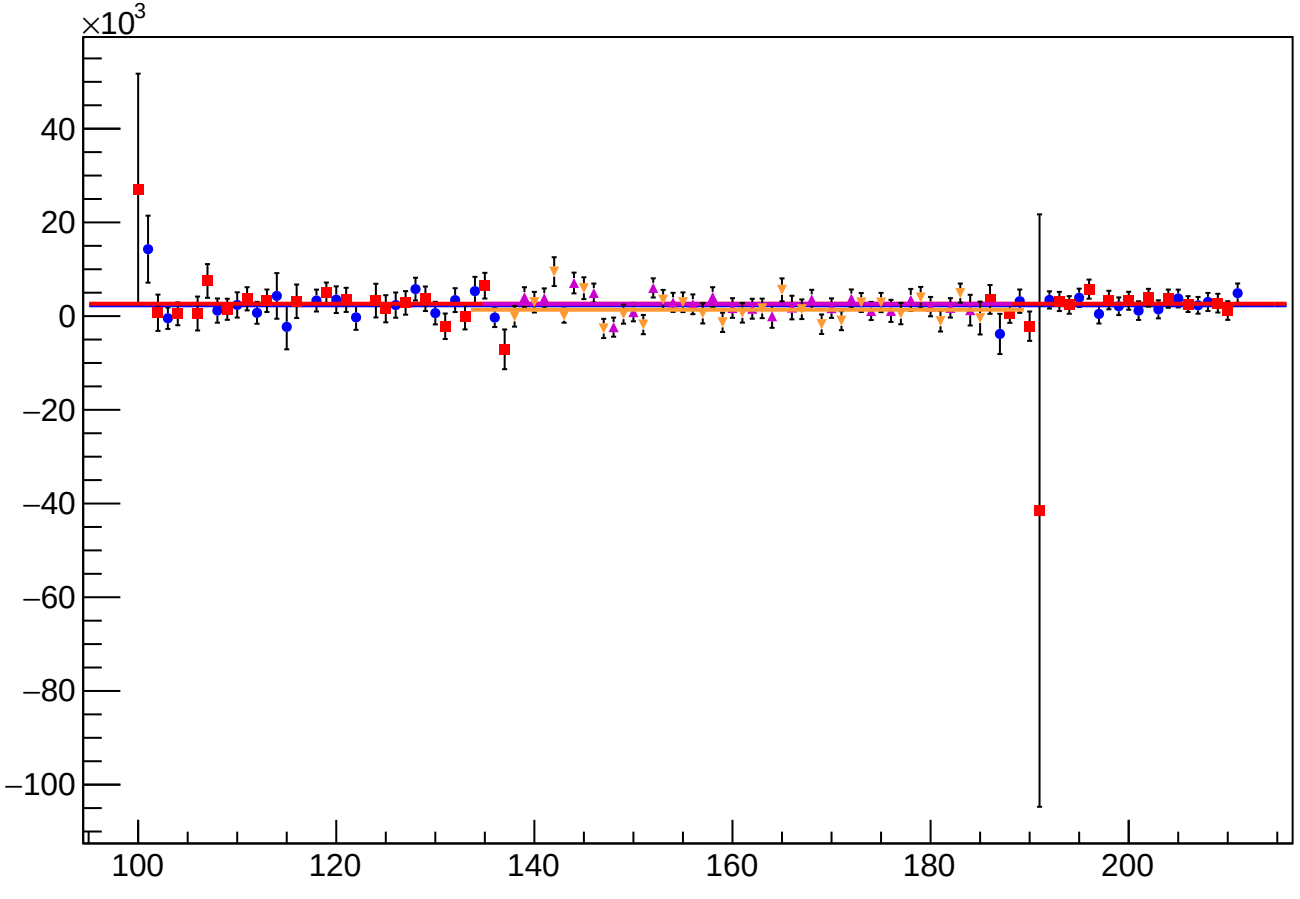
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3618.564+/-0.463 χ^2/NDF: 7930621.6/60

In: 4286.989+/-0.538 χ^2/NDF:5917818.9/50

Out: 4034.181+/-0.499 χ^2/NDF:8966095.2/57

All: 4151.122+/-0.366 χ^2/NDF: 15002538.6/



Right In: 2312.734+/-442.276 χ^2/NDF: 19.5/27

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2645.341+/-427.695 χ^2/NDF: 25.7/32

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

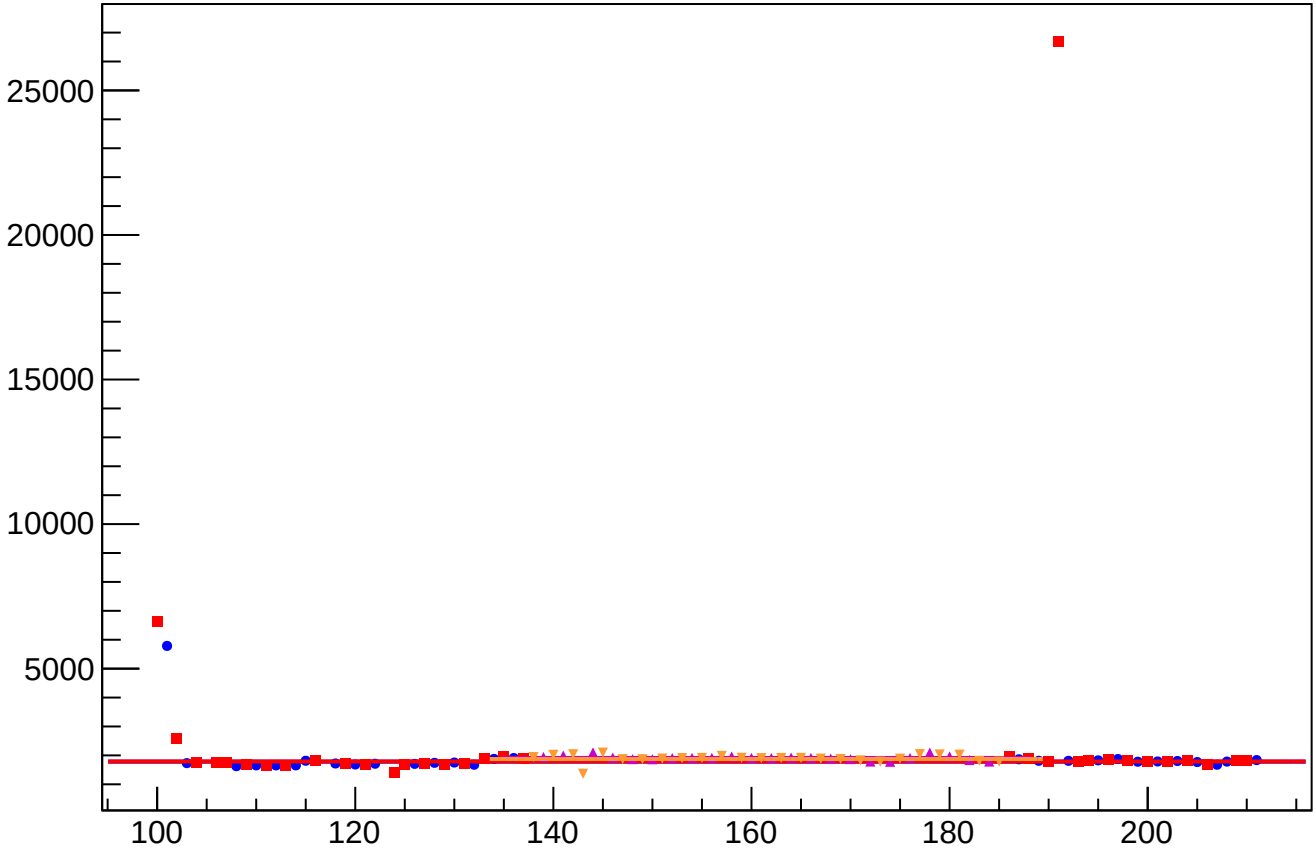
Right: 2484.611+/-307.452 χ^2/NDF: 45.5/60

In: 2456.327+/-314.303 χ^2/NDF:39.8/50

Out: 2004.070+/-302.298 χ^2/NDF:66.3/57

All: 2221.396+/-217.877 χ^2/NDF: 107.1/108

eigen_dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.722+/-0.313 χ^2/NDF: 683630.7/27

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1788.919+/-0.302 χ^2/NDF: 562605.1/32

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

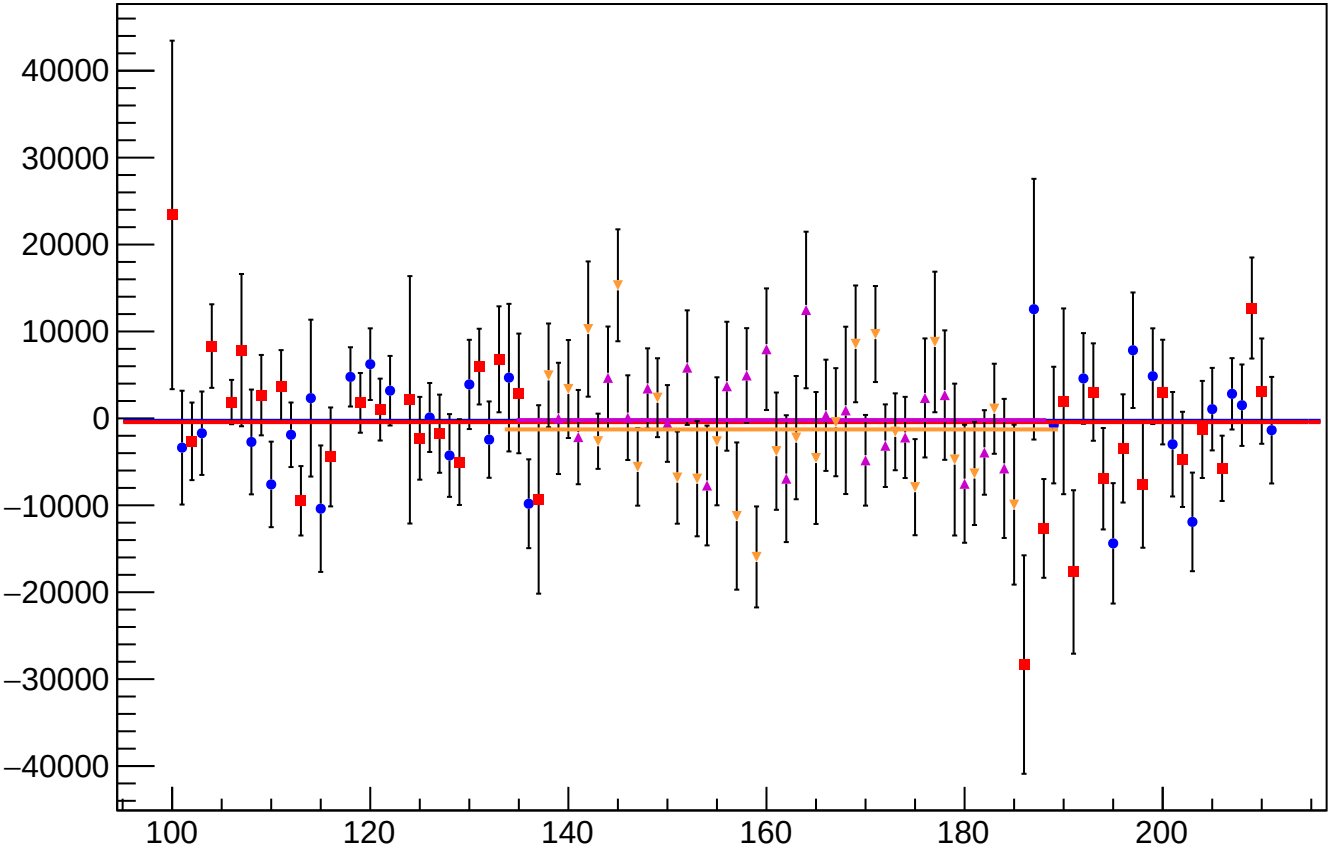
Right: 1786.410+/-0.217 χ^2/NDF: 1246378.6/60

In: 1846.932+/-0.222 χ^2/NDF:825306.0/50

Out: 1831.037+/-0.214 χ^2/NDF:911231.0/57

All: 1838.671+/-0.154 χ^2/NDF: 1739195.4/10

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -278.748+/-966.439 χ^2/NDF: 29.1/27

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -428.003+/-891.533 χ^2/NDF: 44.2/32

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

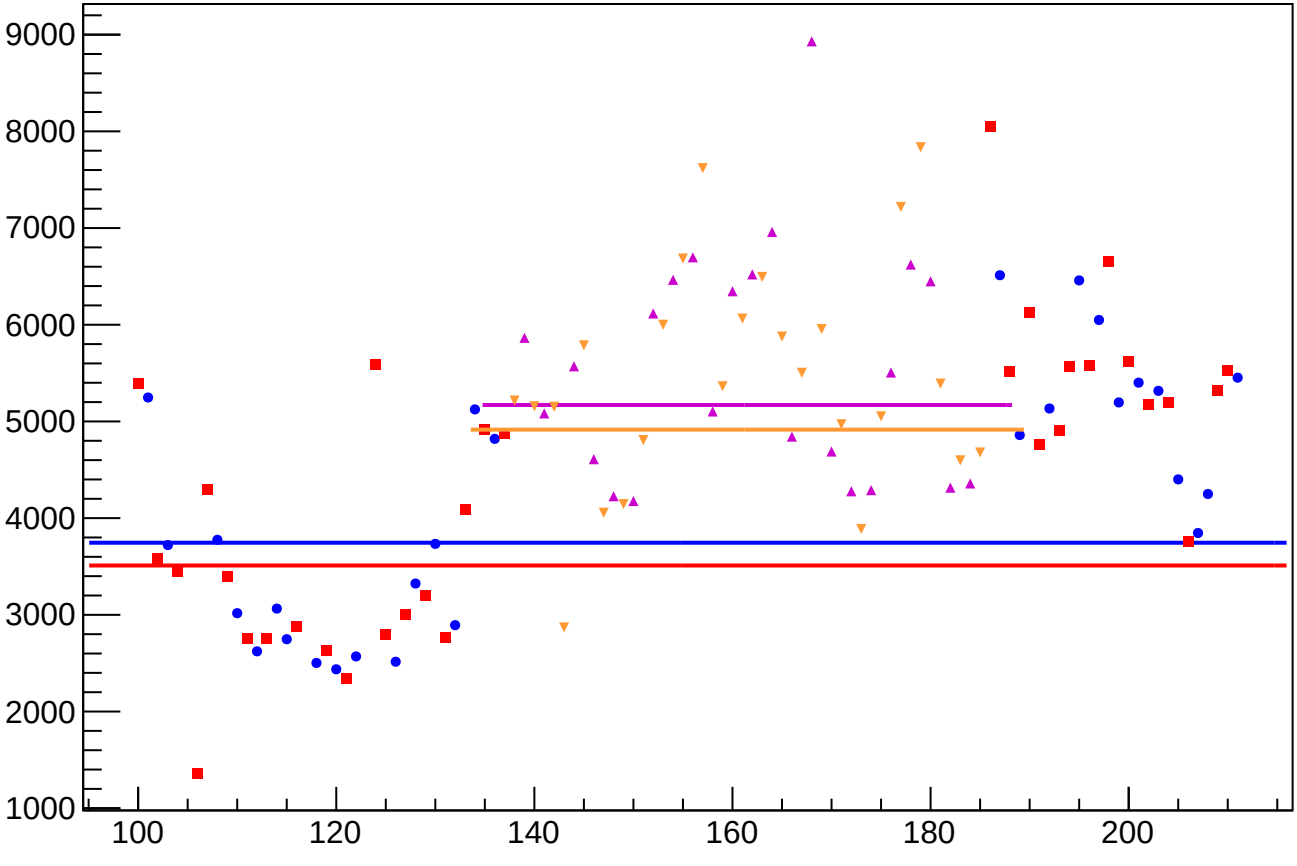
Right: -359.383+/-655.293 χ^2/NDF: 73.3/60

In: -247.655+/-760.993 χ^2/NDF:41.9/50

Out: -741.898+/-706.001 χ^2/NDF:77.9/57

All: -513.278+/-517.568 χ^2/NDF: 120.0/108

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3745.828+/-0.683 χ^2/NDF: 2918831.1/27

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3510.245+/-0.630 χ^2/NDF: 4947707.9/32

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

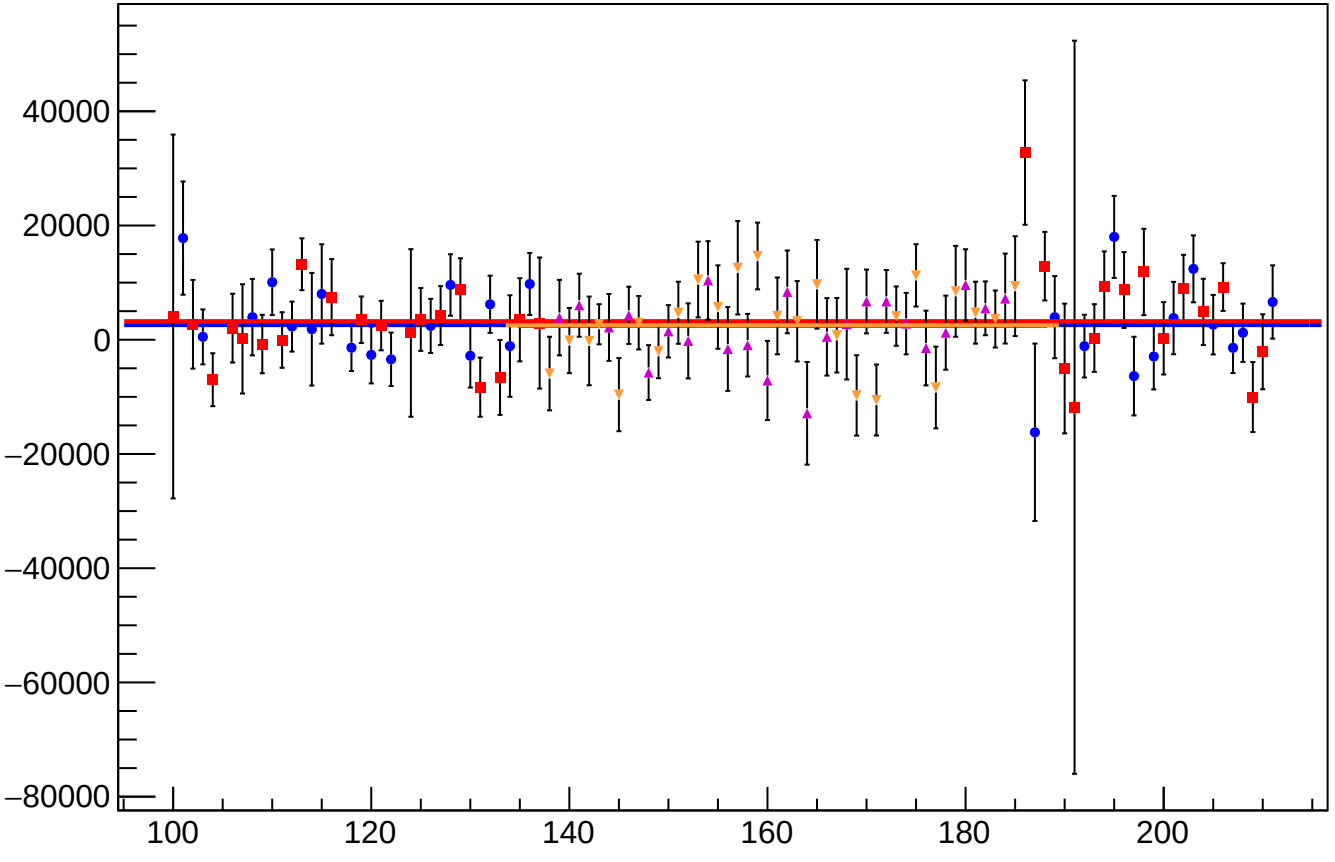
Right: 3618.554+/-0.463 χ^2/NDF: 7930743.6/60

In: 4286.986+/-0.538 χ^2/NDF:5917901.3/50

Out: 4034.174+/-0.499 χ^2/NDF:8966220.7/57

All: 4151.116+/-0.366 χ^2/NDF: 15002750.3/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2563.139+/-1080.117 χ^2/NDF: 26.8/27

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3257.025+/-1059.445 χ^2/NDF: 40.2/32

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

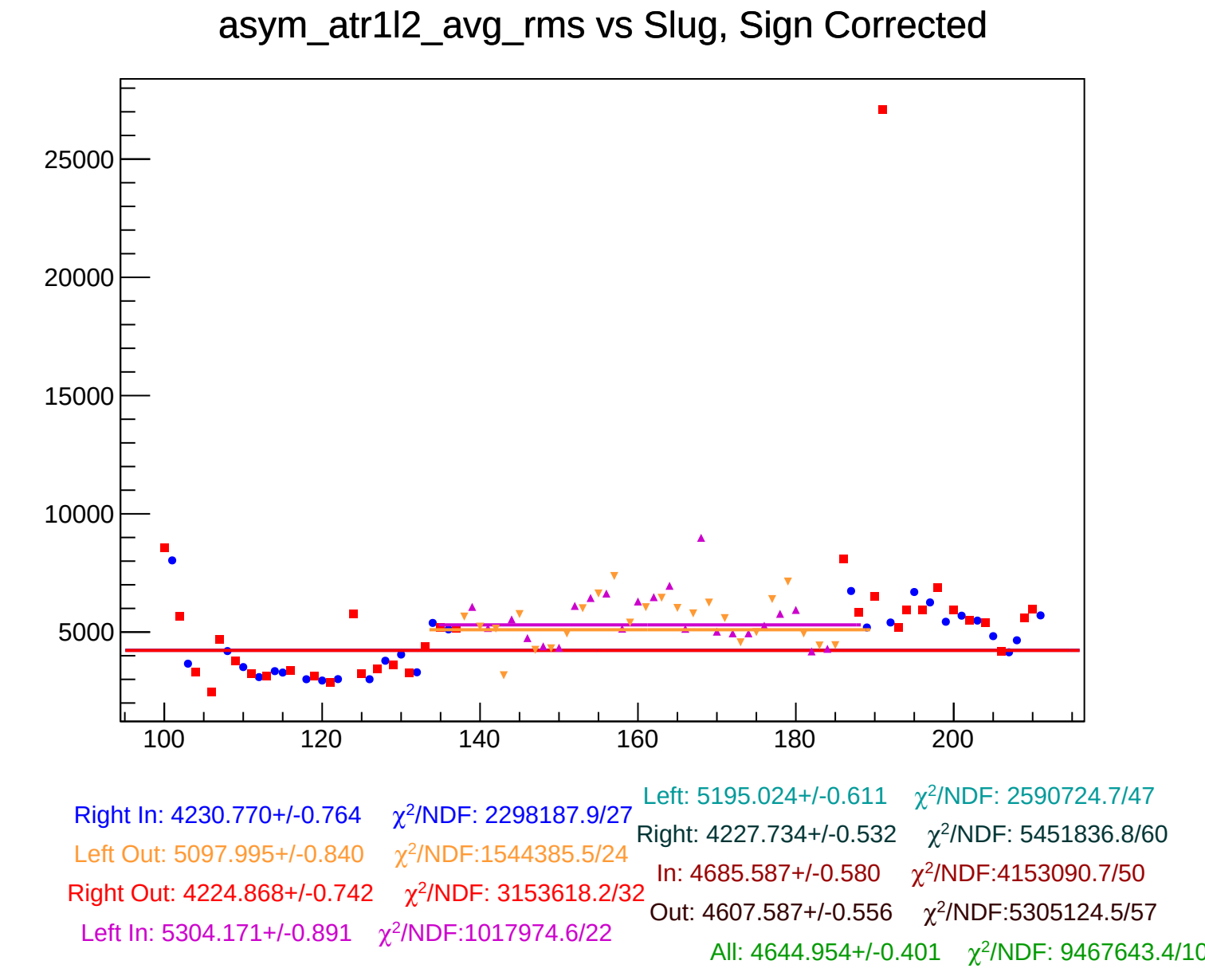
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

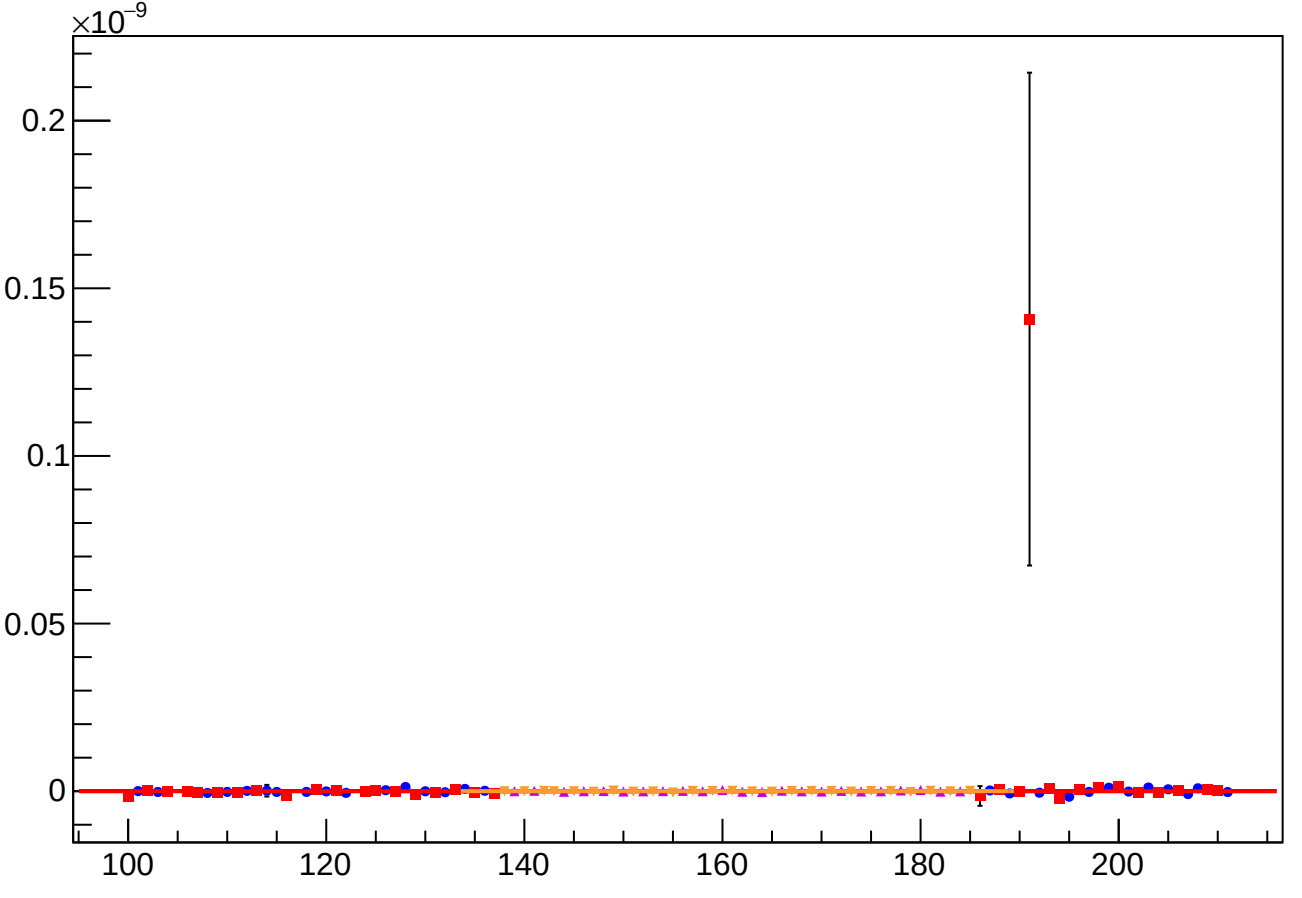
Right: 2916.786+/-756.343 χ^2/NDF: 67.1/60

In: 2503.767+/-819.953 χ^2/NDF:41.8/50

Out: 2942.428+/-790.602 χ^2/NDF:69.4/57

All: 2731.089+/-569.133 χ^2/NDF: 111.4/108


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4230.770+/-0.764 χ²/NDF: 2298187.9/27
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4224.868+/-0.742 χ²/NDF: 3153618.2/32
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4227.734+/-0.532 χ²/NDF: 5451836.8/60
In: 4685.587+/-0.580 χ²/NDF:4153090.7/50
Out: 4607.587+/-0.556 χ²/NDF:5305124.5/57
All: 4644.954+/-0.401 χ²/NDF: 9467643.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 36.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/32

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

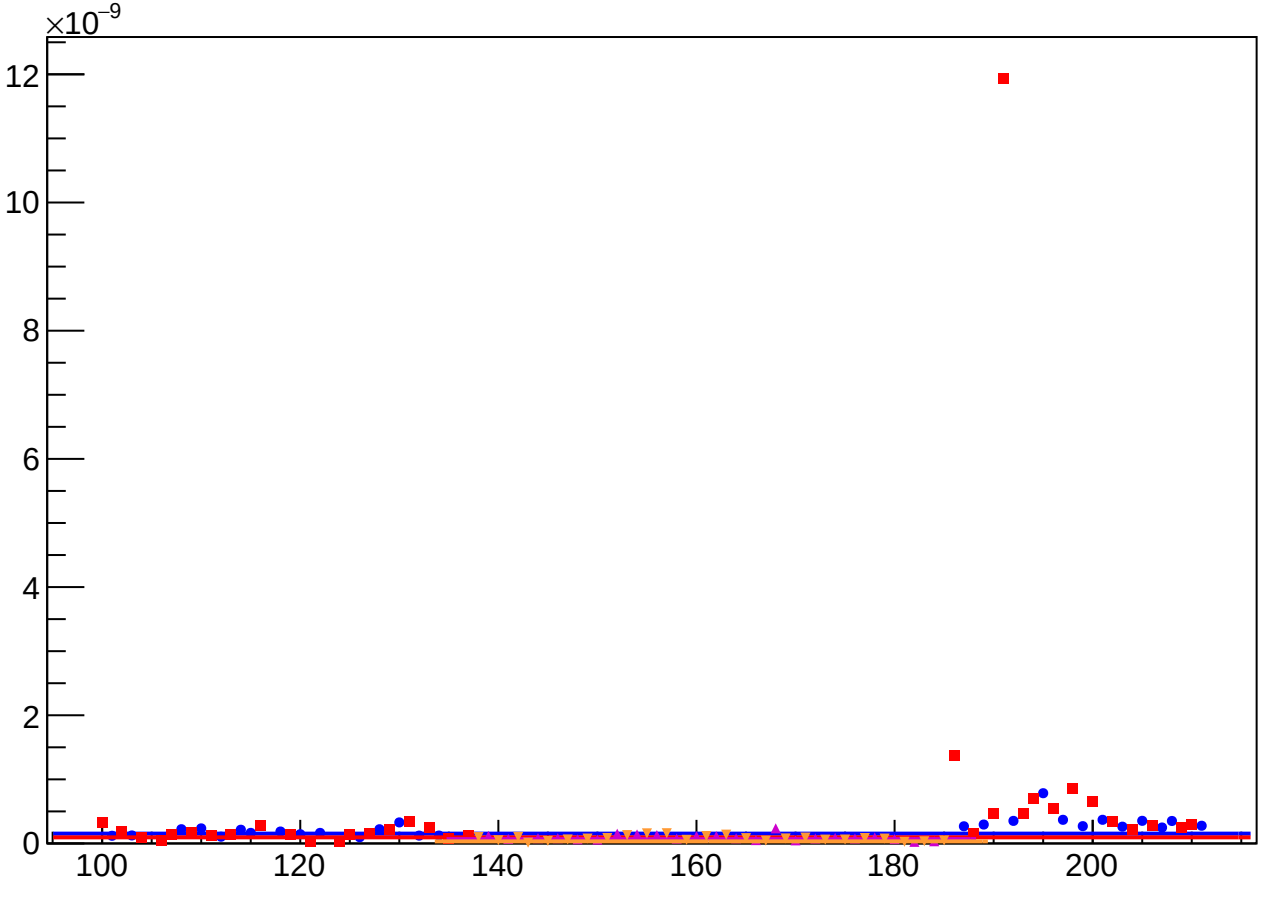
Right: 0.000+/-0.000 χ^2/NDF: 78.3/60

In: 0.000+/-0.000 χ^2/NDF:60.0/50

Out: 0.000+/-0.000 χ^2/NDF:56.5/57

All: 0.000+/-0.000 χ^2/NDF: 116.5/108

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3156513.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7550319.5/32

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

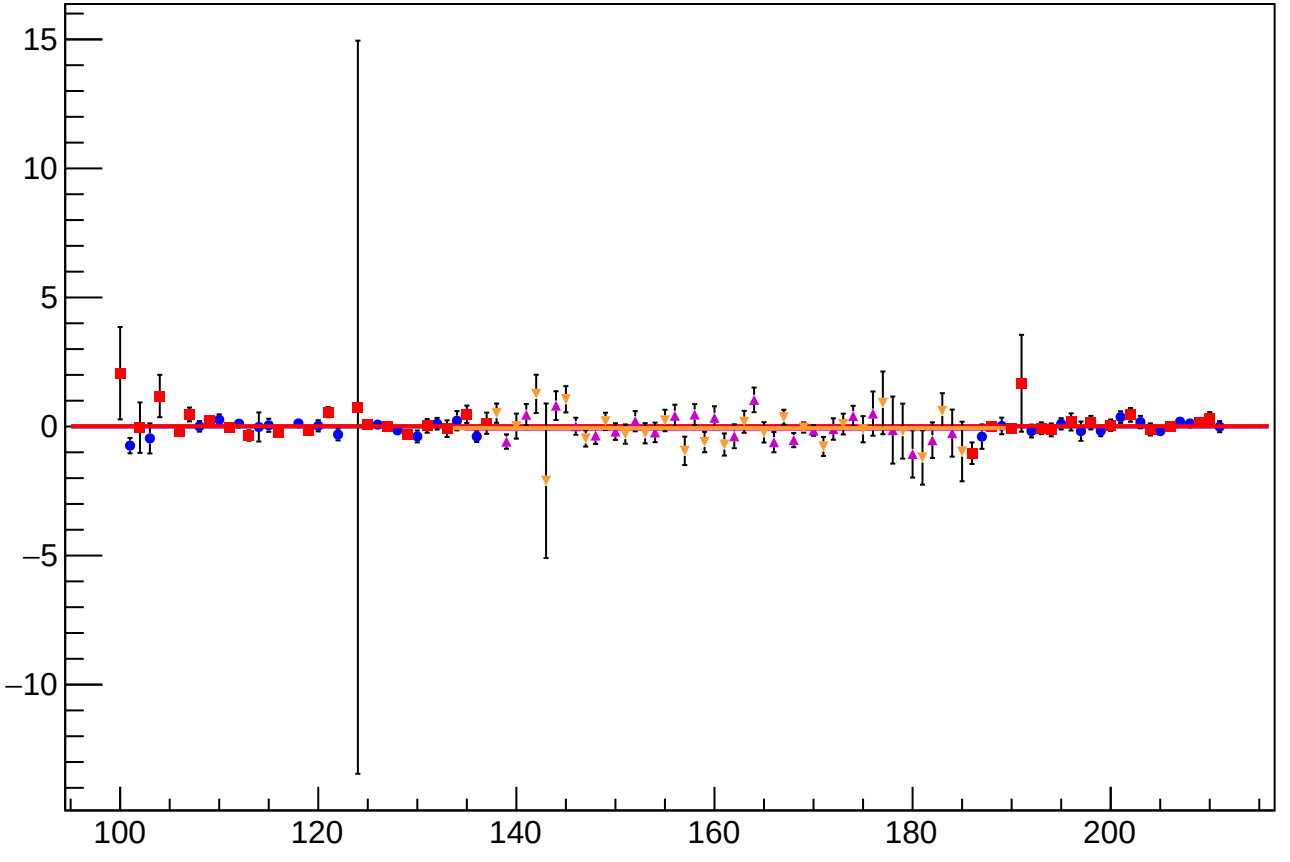
Right: 0.000+/-0.000 χ^2/NDF: 11666257.8/60

In: 0.000+/-0.000 χ^2/NDF:8368846.8/50

Out: 0.000+/-0.000 χ^2/NDF:16426676.8/57

All: 0.000+/-0.000 χ^2/NDF: 28401408.1/108

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.012+/-0.037 χ^2/NDF: 43.0/32

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

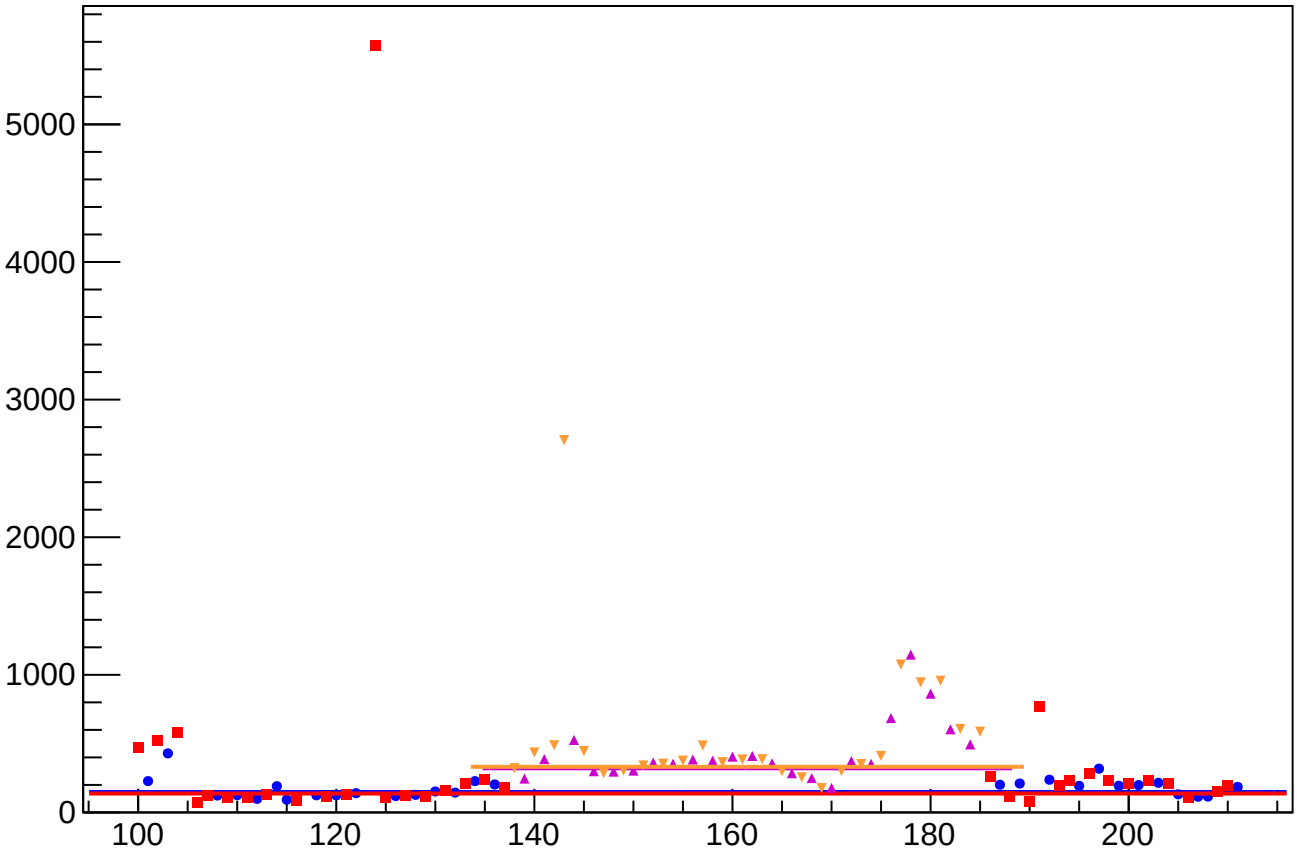
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.007+/-0.027 χ^2/NDF: 71.1/60

In: -0.015+/-0.036 χ^2/NDF:56.0/50

Out: -0.000+/-0.034 χ^2/NDF:74.4/57

All: -0.007+/-0.025 χ^2/NDF: 130.5/108



Right In: 148.859+/-0.028 χ^2/NDF: 2906479.2/27

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 137.461+/-0.026 χ^2/NDF: 5062499.4/32

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

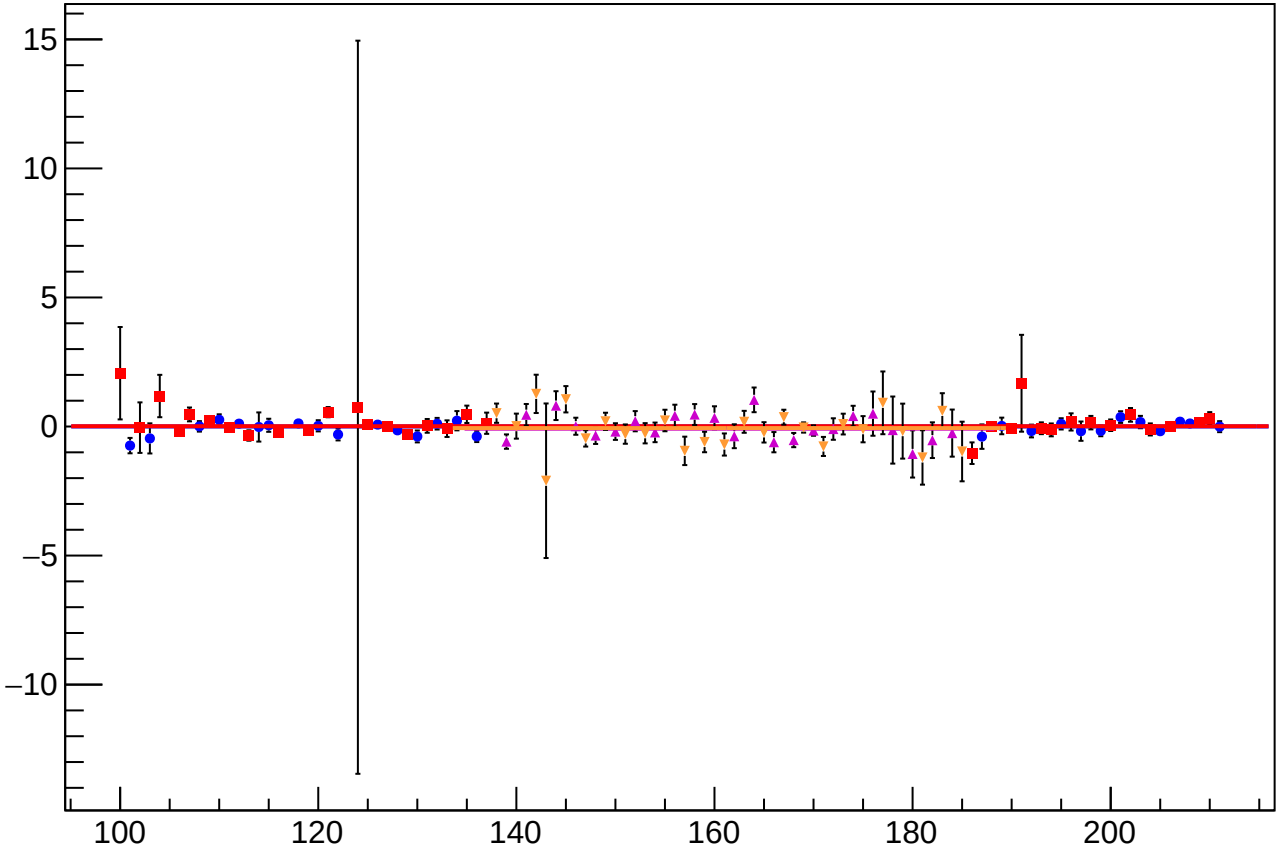
Right: 142.720+/-0.019 χ^2/NDF: 8055847.3/60

In: 182.644+/-0.025 χ^2/NDF:14364669.3/50

Out: 169.418+/-0.024 χ^2/NDF:19896088.4/57

All: 175.648+/-0.017 χ^2/NDF: 34403741.6/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.012+/-0.037 χ^2/NDF: 43.0/32

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

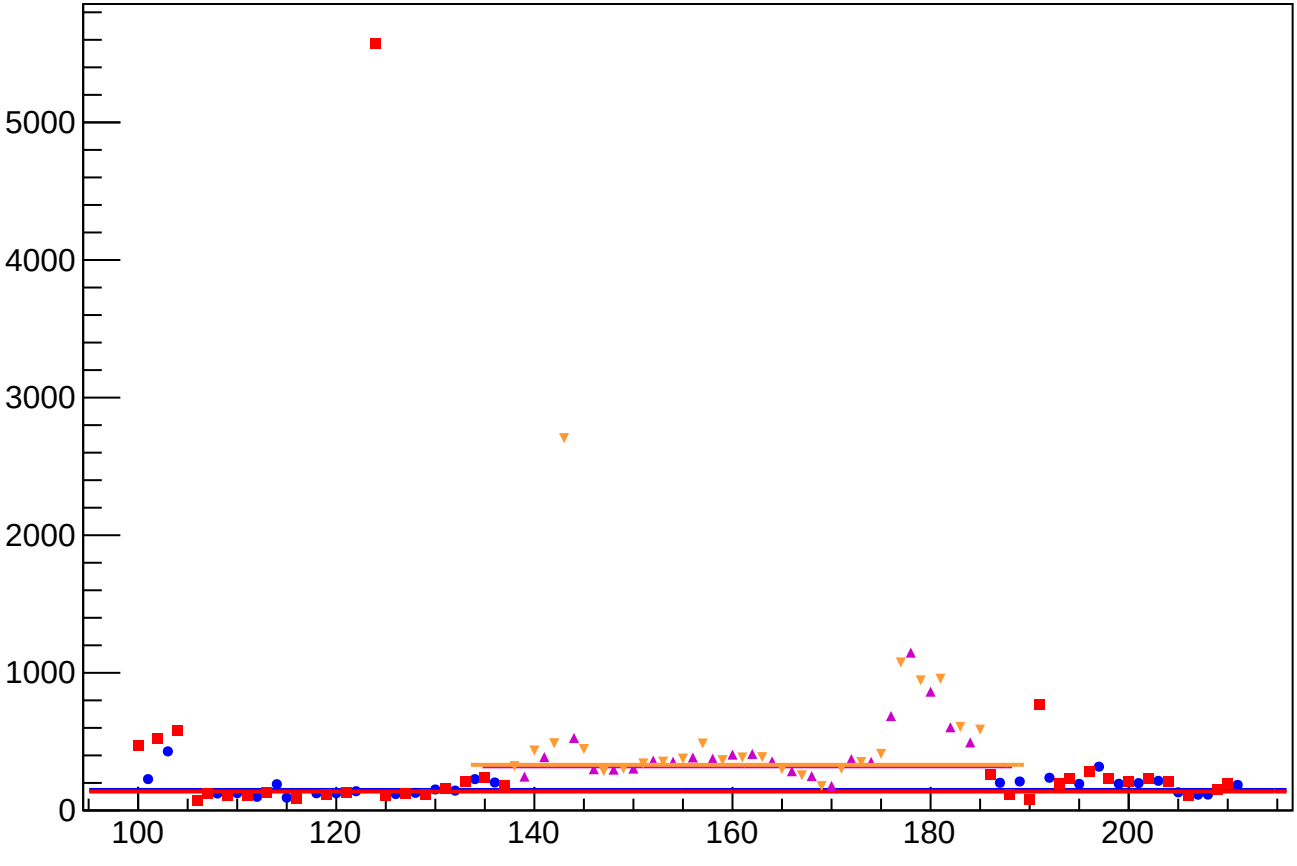
Right: 0.007+/-0.027 χ^2/NDF: 71.1/60

In: -0.015+/-0.036 χ^2/NDF:56.0/50

Out: -0.000+/-0.034 χ^2/NDF:74.4/57

All: -0.007+/-0.025 χ^2/NDF: 130.5/108

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.859+/-0.028 χ^2/NDF: 2906479.2/27

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 137.461+/-0.026 χ^2/NDF: 5062499.4/32

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

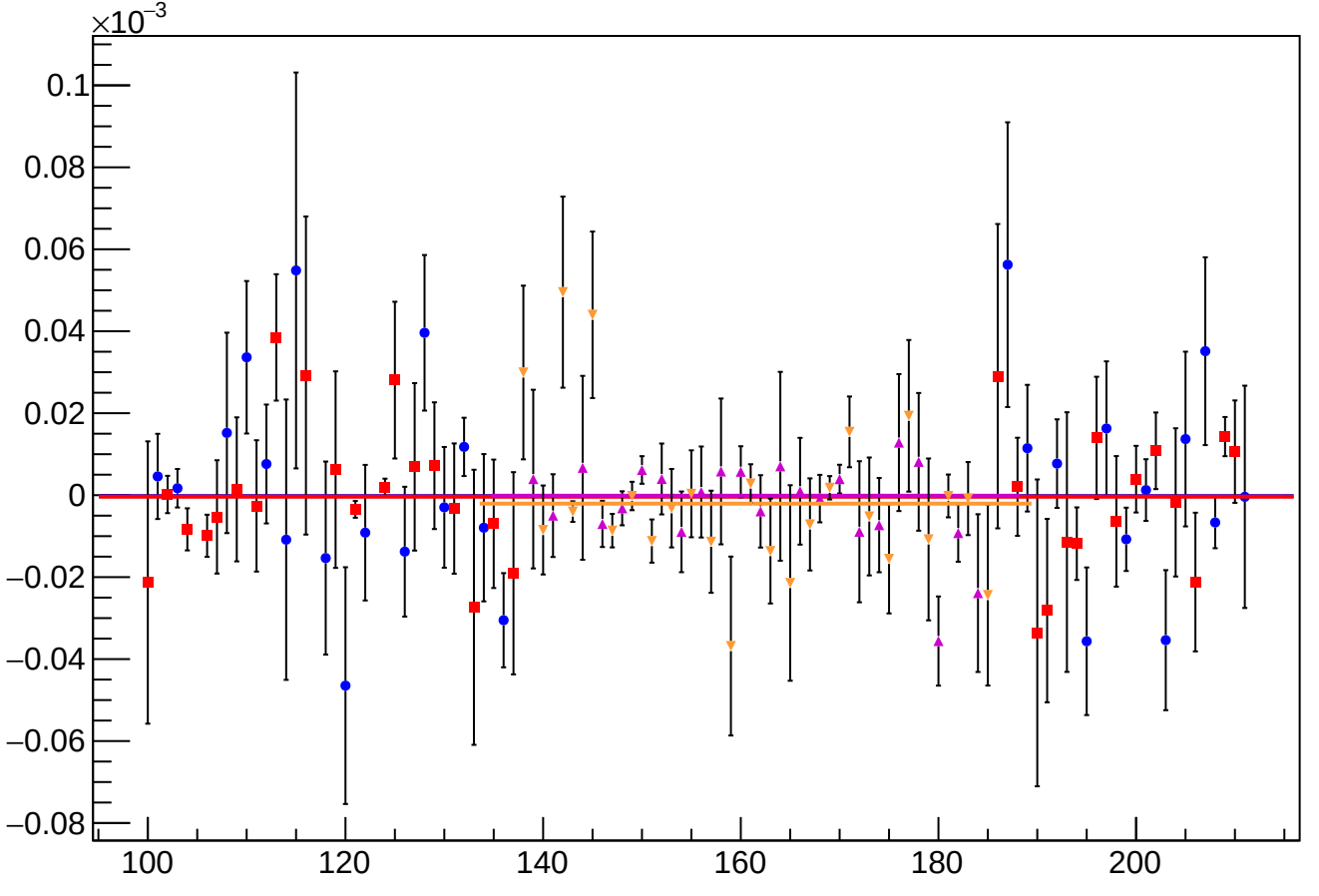
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.720+/-0.019 χ^2/NDF: 8055847.3/60

In: 182.644+/-0.025 χ^2/NDF:14364669.3/50

Out: 169.418+/-0.024 χ^2/NDF:19896088.4/57

All: 175.648+/-0.017 χ^2/NDF: 34403741.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/27

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

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/32

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

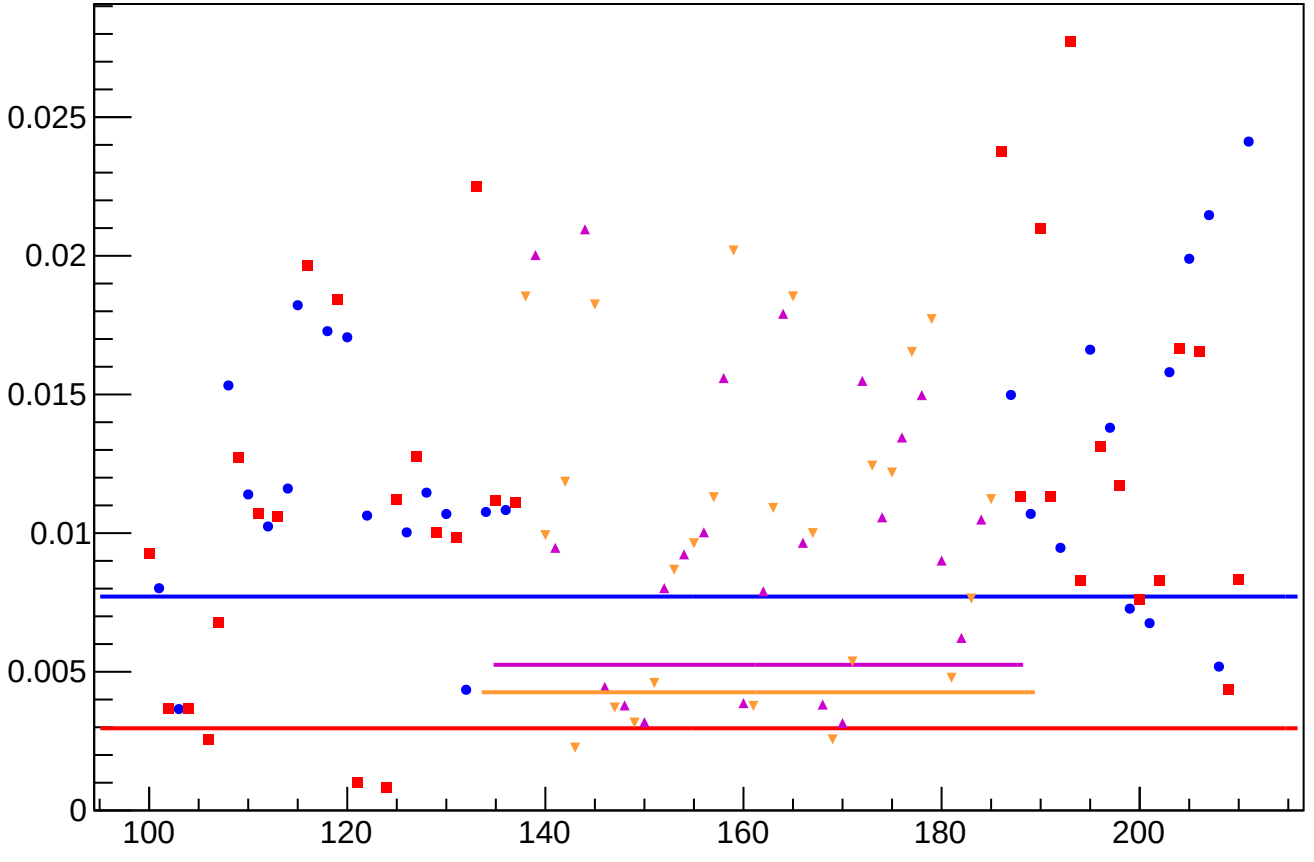
Right: -0.000+/-0.000 χ^2/NDF: 83.1/60

In: -0.000+/-0.000 χ^2/NDF:67.7/50

Out: -0.000+/-0.000 χ^2/NDF:76.1/57

All: -0.000+/-0.000 χ^2/NDF: 144.2/108

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7297299.1/27

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20213987.8/32

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

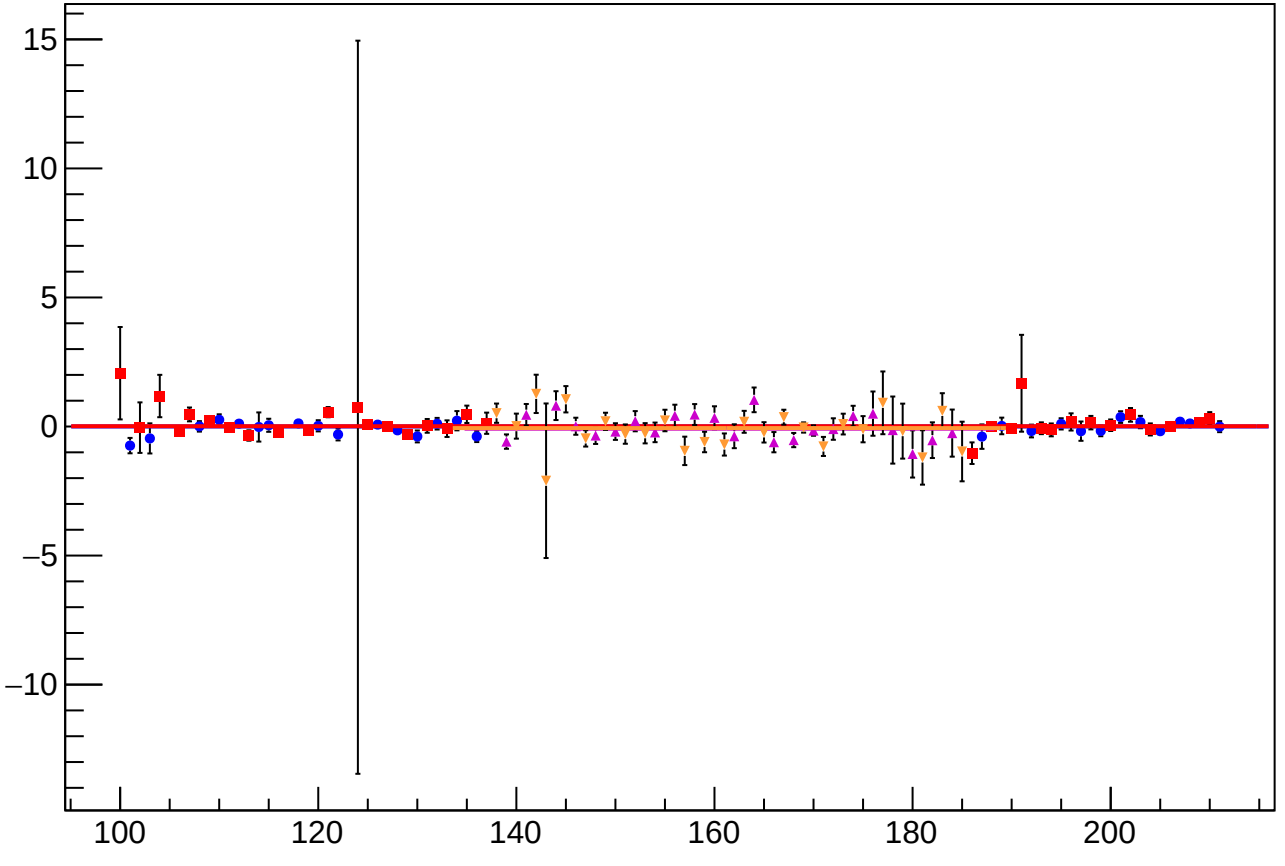
Right: 0.004+/-0.000 χ^2/NDF: 34707663.6/60

In: 0.006+/-0.000 χ^2/NDF:18502006.2/50

Out: 0.004+/-0.000 χ^2/NDF:34351047.7/57

All: 0.004+/-0.000 χ^2/NDF: 58190843.8/108

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.012+/-0.037 χ^2/NDF: 43.0/32

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

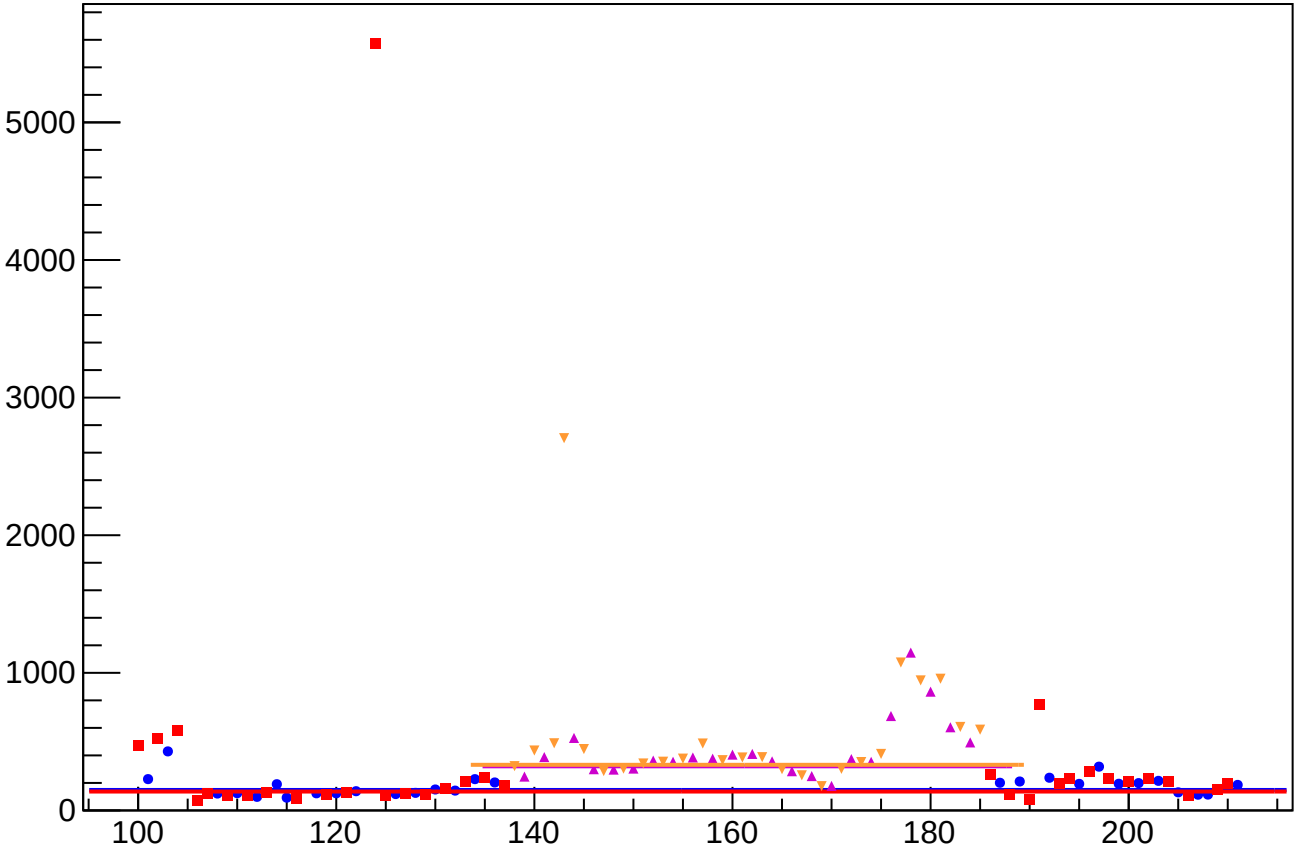
Right: 0.007+/-0.027 χ^2/NDF: 71.1/60

In: -0.015+/-0.036 χ^2/NDF:56.0/50

Out: -0.000+/-0.034 χ^2/NDF:74.4/57

All: -0.007+/-0.025 χ^2/NDF: 130.5/108

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.859+/-0.028 χ^2/NDF: 2906478.0/27

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 137.461+/-0.026 χ^2/NDF: 5062525.9/32

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

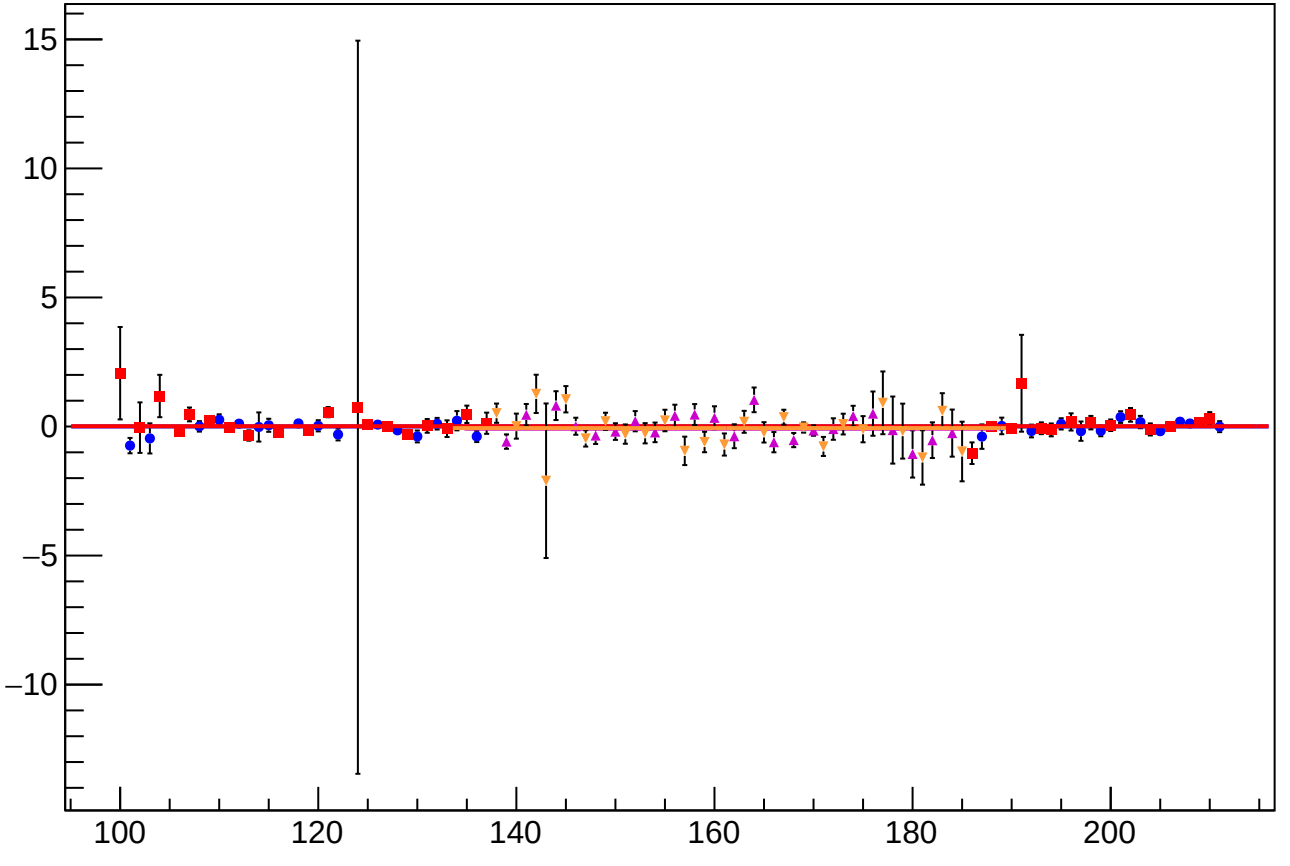
Right: 142.719+/-0.019 χ^2/NDF: 8055889.4/60

In: 182.644+/-0.025 χ^2/NDF:14364766.3/50

Out: 169.417+/-0.024 χ^2/NDF:19896334.4/57

All: 175.648+/-0.017 χ^2/NDF: 34404113.2/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.040 χ^2/NDF: 28.1/27

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.012+/-0.037 χ^2/NDF: 43.0/32

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

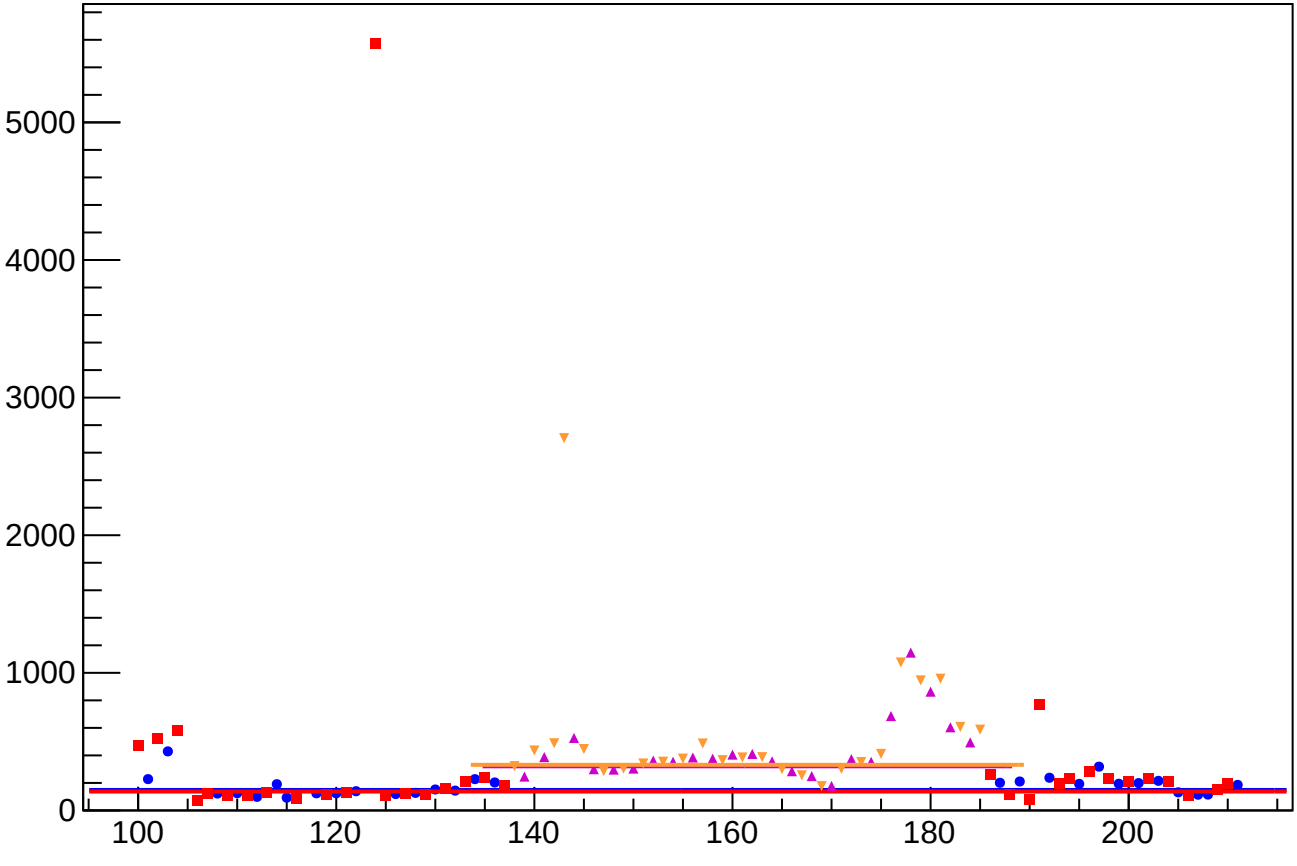
Right: 0.007+/-0.027 χ^2/NDF: 71.1/60

In: -0.015+/-0.036 χ^2/NDF:56.0/50

Out: -0.000+/-0.034 χ^2/NDF:74.4/57

All: -0.007+/-0.025 χ^2/NDF: 130.5/108

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.859+/-0.028 χ^2/NDF: 2906478.0/27

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 137.461+/-0.026 χ^2/NDF: 5062525.9/32

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

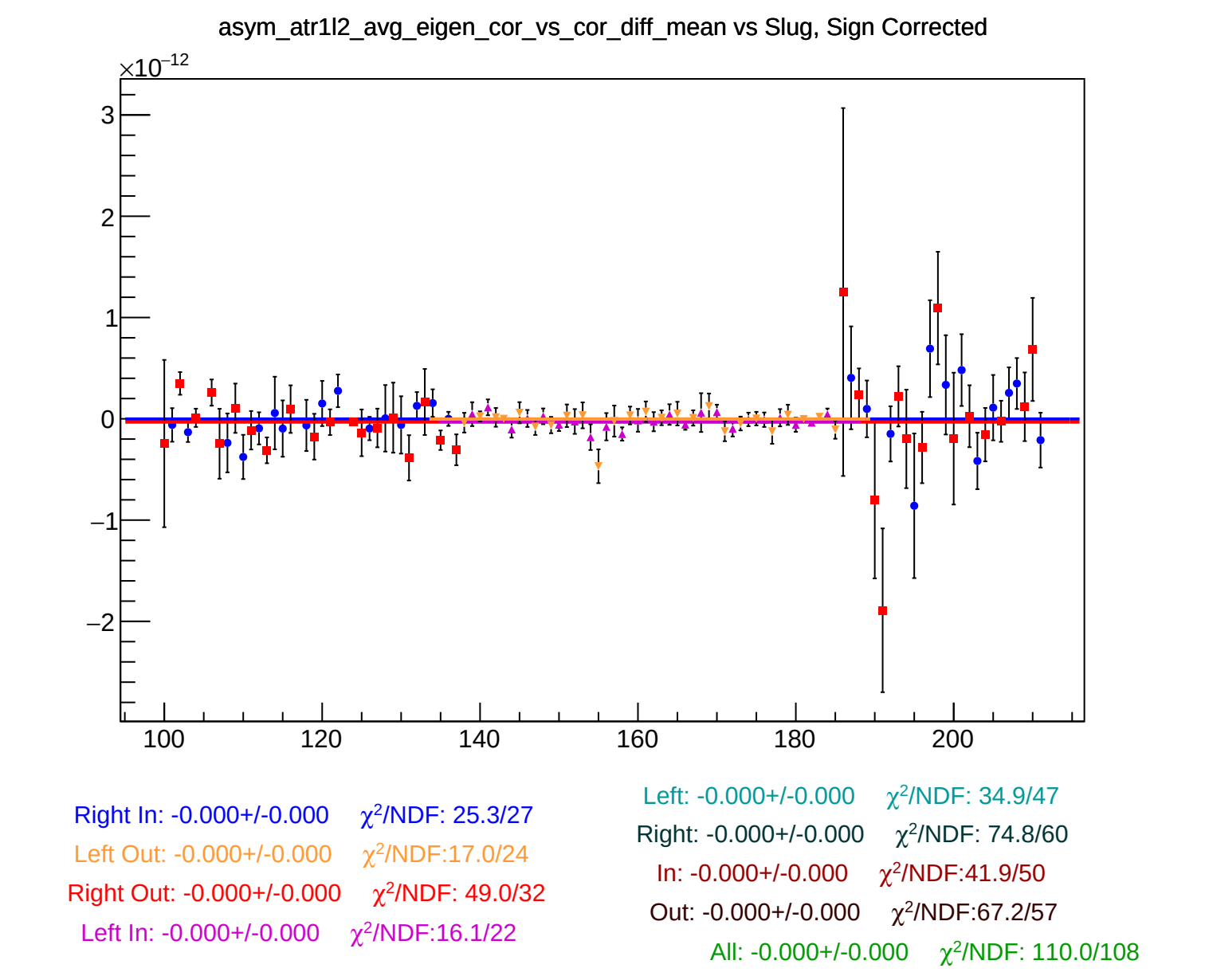
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

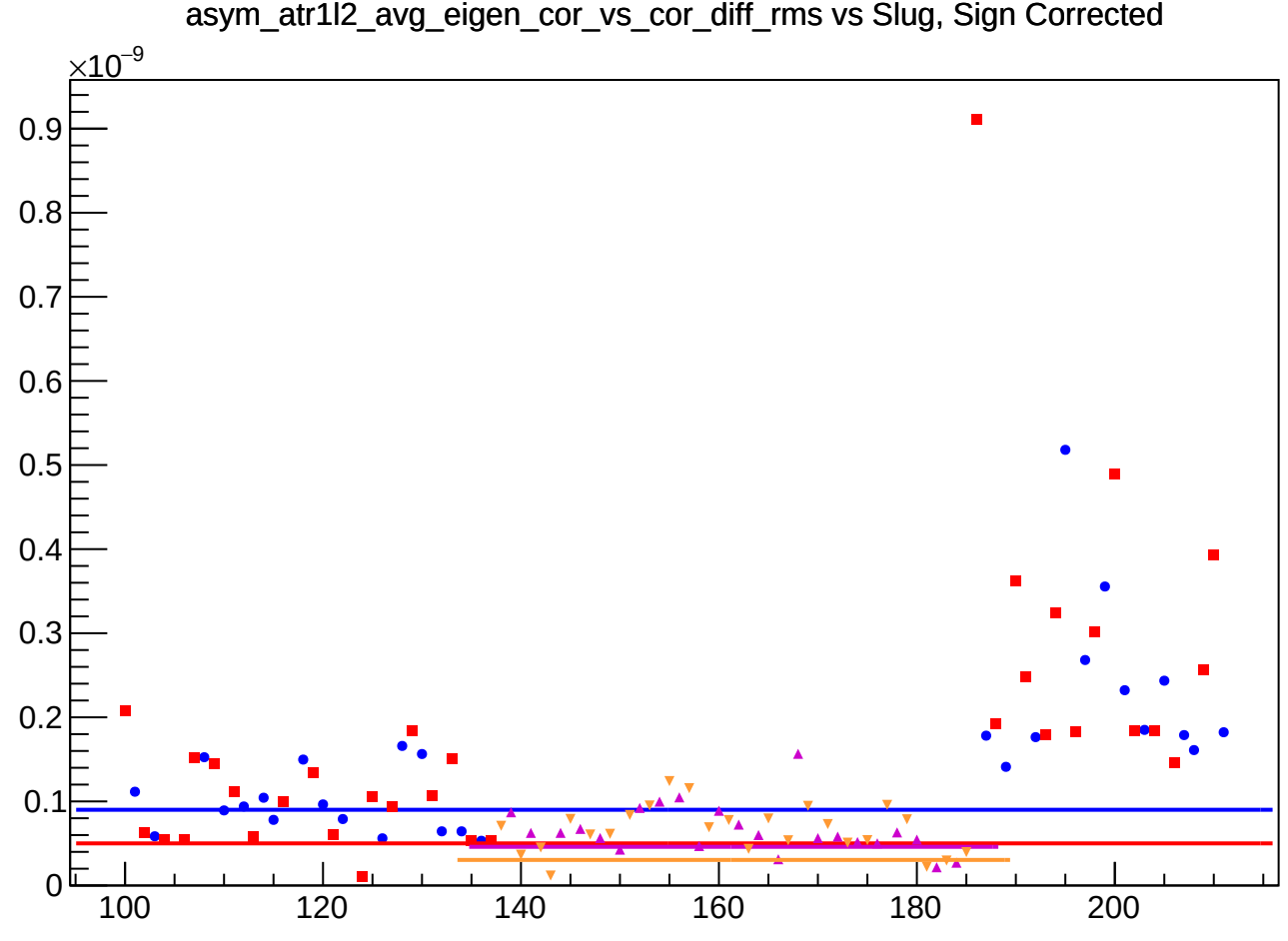
Right: 142.719+/-0.019 χ^2/NDF: 8055889.4/60

In: 182.644+/-0.025 χ^2/NDF:14364766.3/50

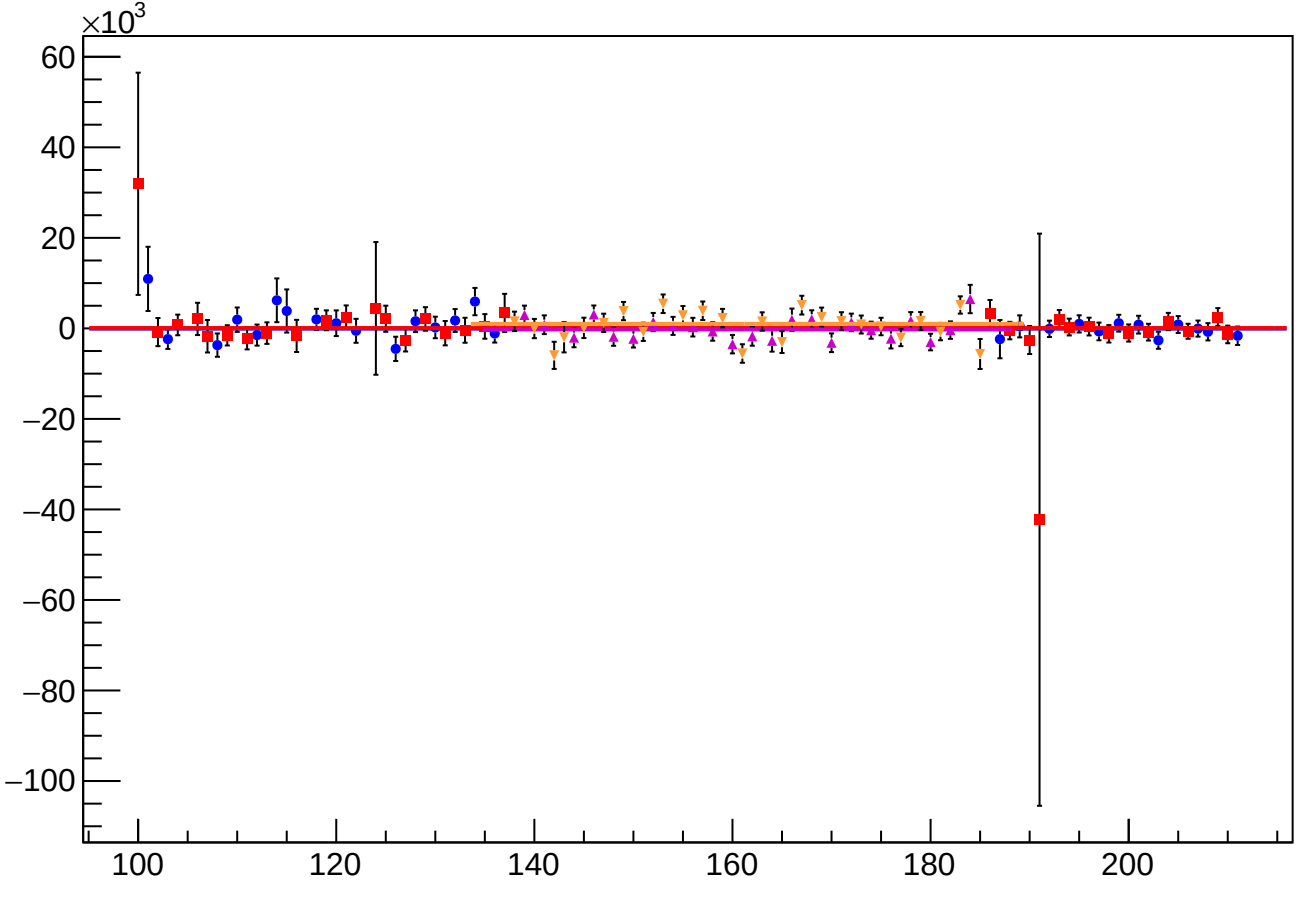
Out: 169.417+/-0.024 χ^2/NDF:19896334.4/57

All: 175.648+/-0.017 χ^2/NDF: 34404113.2/10


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: 25.3/27
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 49.0/32
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: 74.8/60
In: -0.000+/-0.000 χ²/NDF:41.9/50
Out: -0.000+/-0.000 χ²/NDF:67.2/57
All: -0.000+/-0.000 χ²/NDF: 110.0/108


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: 5118576.9/27
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 11793554.3/32
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: 18689190.9/60
In: 0.000+/-0.000 χ²/NDF:12782650.1/50
Out: 0.000+/-0.000 χ²/NDF:23387494.9/57
All: 0.000+/-0.000 χ²/NDF: 38788198.9/108

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -41.381+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.356+/-422.627 χ^2/NDF: 16.1/32

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

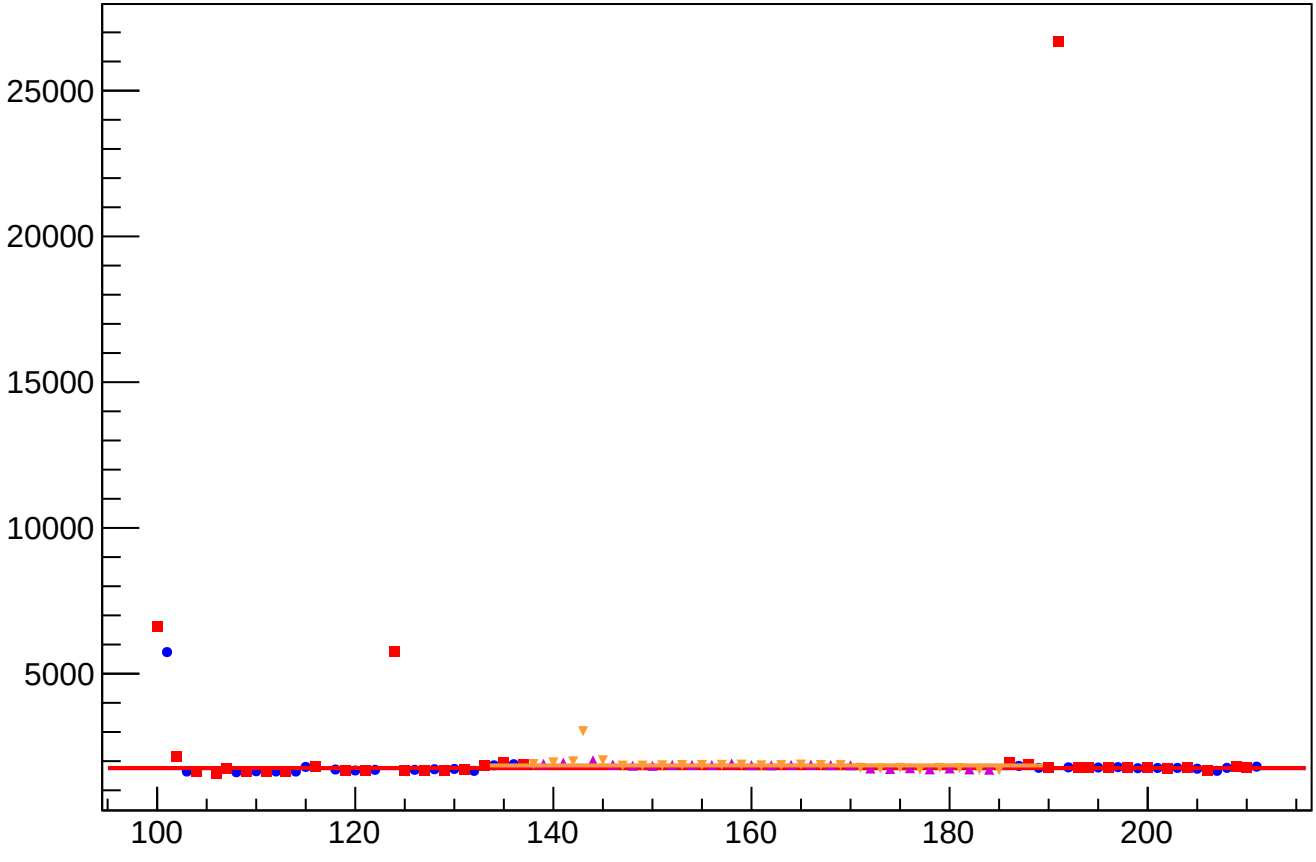
Right: 14.662+/-303.409 χ^2/NDF: 38.1/60

In: -136.687+/-305.994 χ^2/NDF:48.4/50

Out: 535.810+/-298.827 χ^2/NDF:65.9/57

All: 207.530+/-213.791 χ^2/NDF: 116.8/108

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.2/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.616+/-0.298 χ^2/NDF: 645839.4/32

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

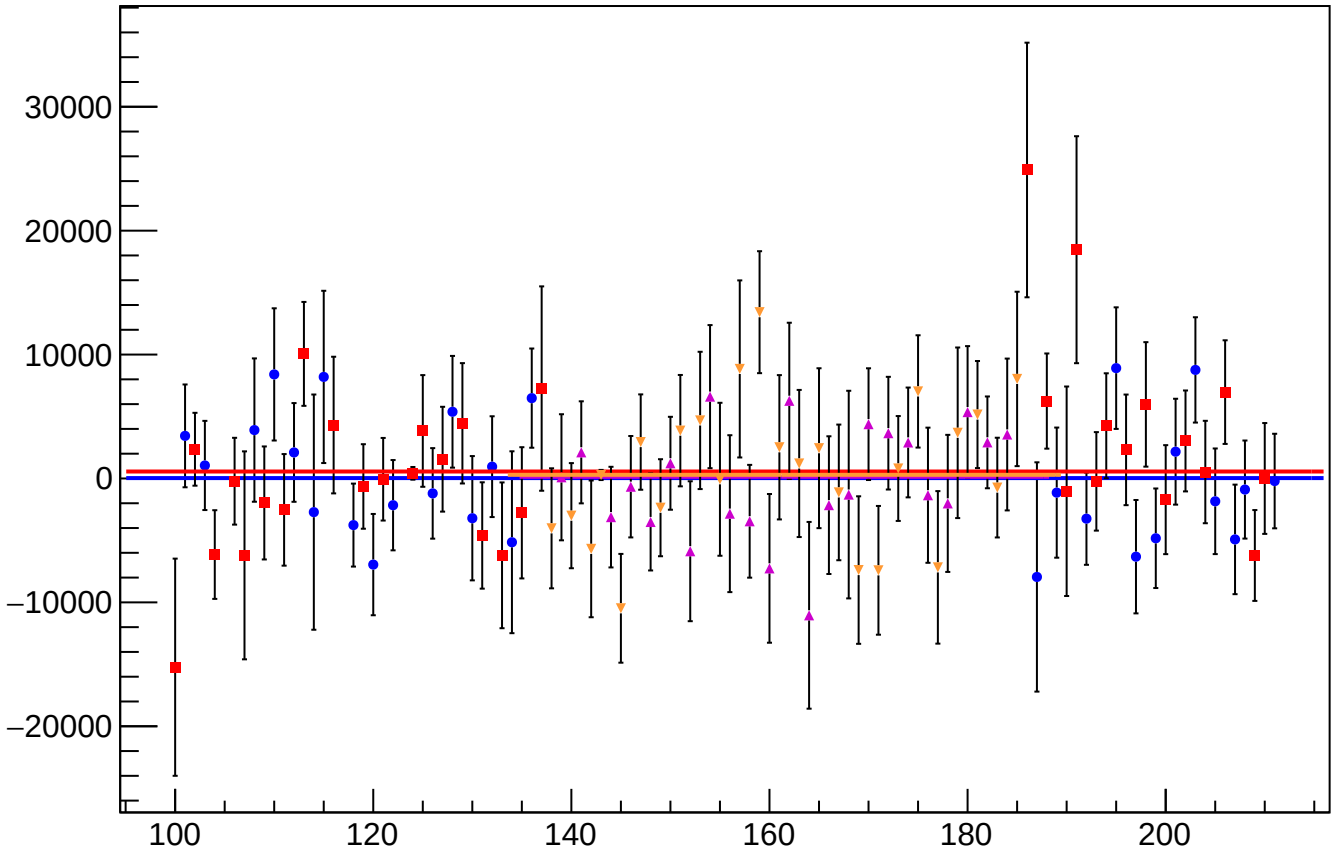
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1761.501+/-0.214 χ^2/NDF: 1325157.0/60

In: 1798.919+/-0.216 χ^2/NDF:782047.4/50

Out: 1808.445+/-0.211 χ^2/NDF:1010290.8/57

All: 1803.802+/-0.151 χ^2/NDF: 1793331.8/10



Right In: 30.492+/-831.930 χ^2/NDF: 29.2/27

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 561.982+/-429.045 χ^2/NDF: 39.7/32

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

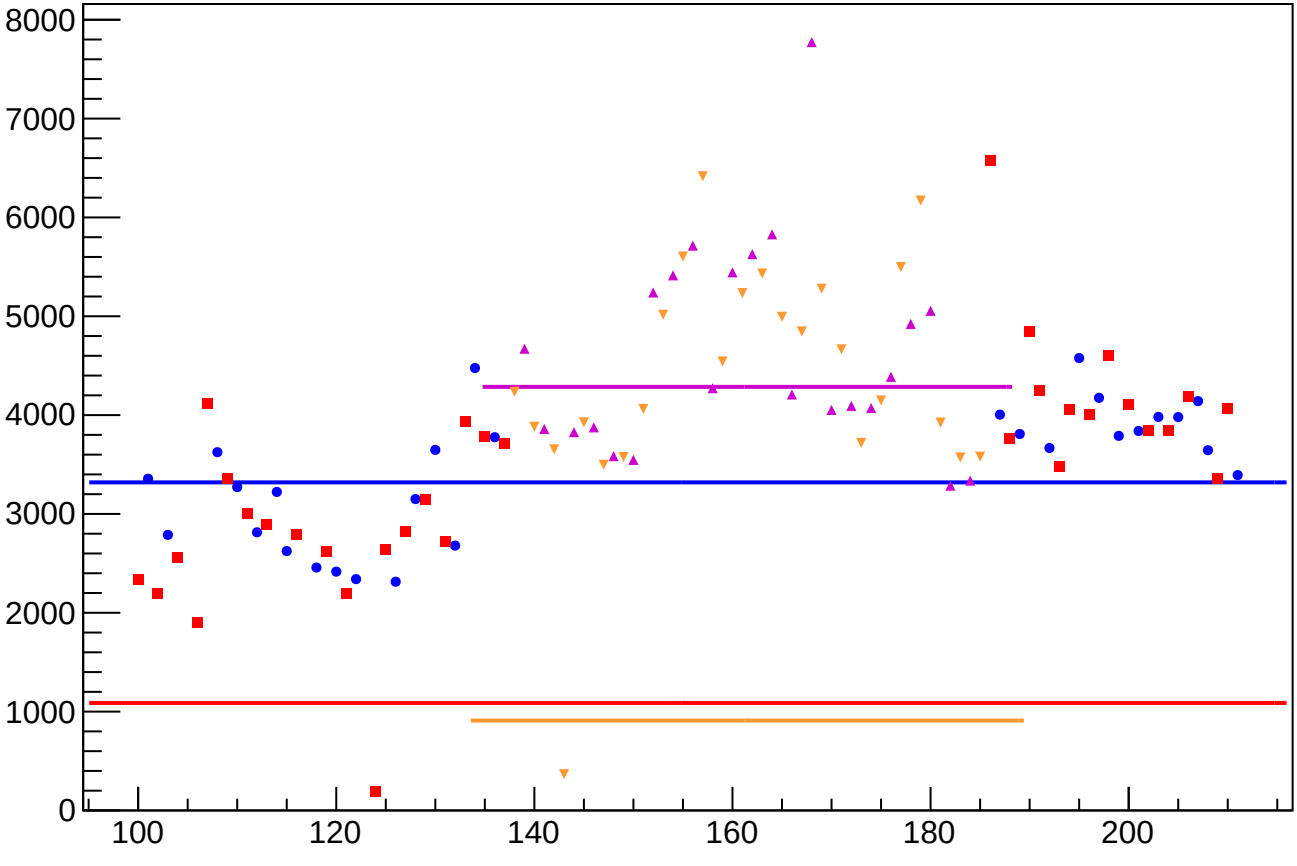
Right: 450.321+/-381.322 χ^2/NDF: 69.2/60

In: 73.431+/-645.429 χ^2/NDF:43.1/50

Out: 412.006+/-284.434 χ^2/NDF:69.9/57

All: 356.945+/-260.281 χ^2/NDF: 113.3/108

asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3319.401+/-0.588 χ^2/NDF: 1248597.9/27

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1087.763+/-0.303 χ^2/NDF: 22885660.0/32

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

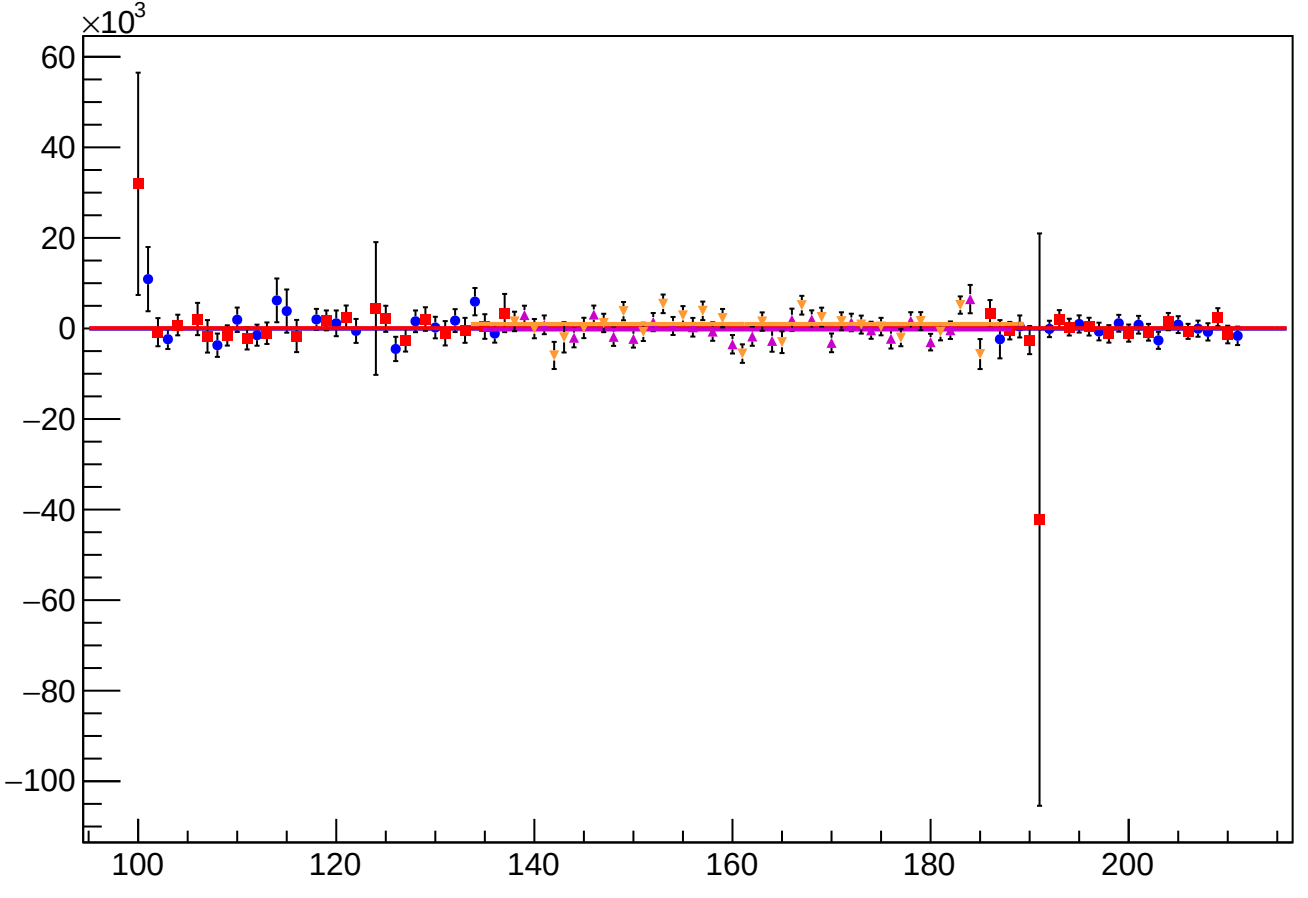
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1556.612+/-0.270 χ^2/NDF: 35502163.3/60

In: 3704.142+/-0.456 χ^2/NDF:3651024.4/50

Out: 988.202+/-0.201 χ^2/NDF:49851926.1/57

All: 1429.882+/-0.184 χ^2/NDF: 83157625.3/1



Right In: -41.526+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.364+/-422.627 χ^2/NDF: 16.1/32

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

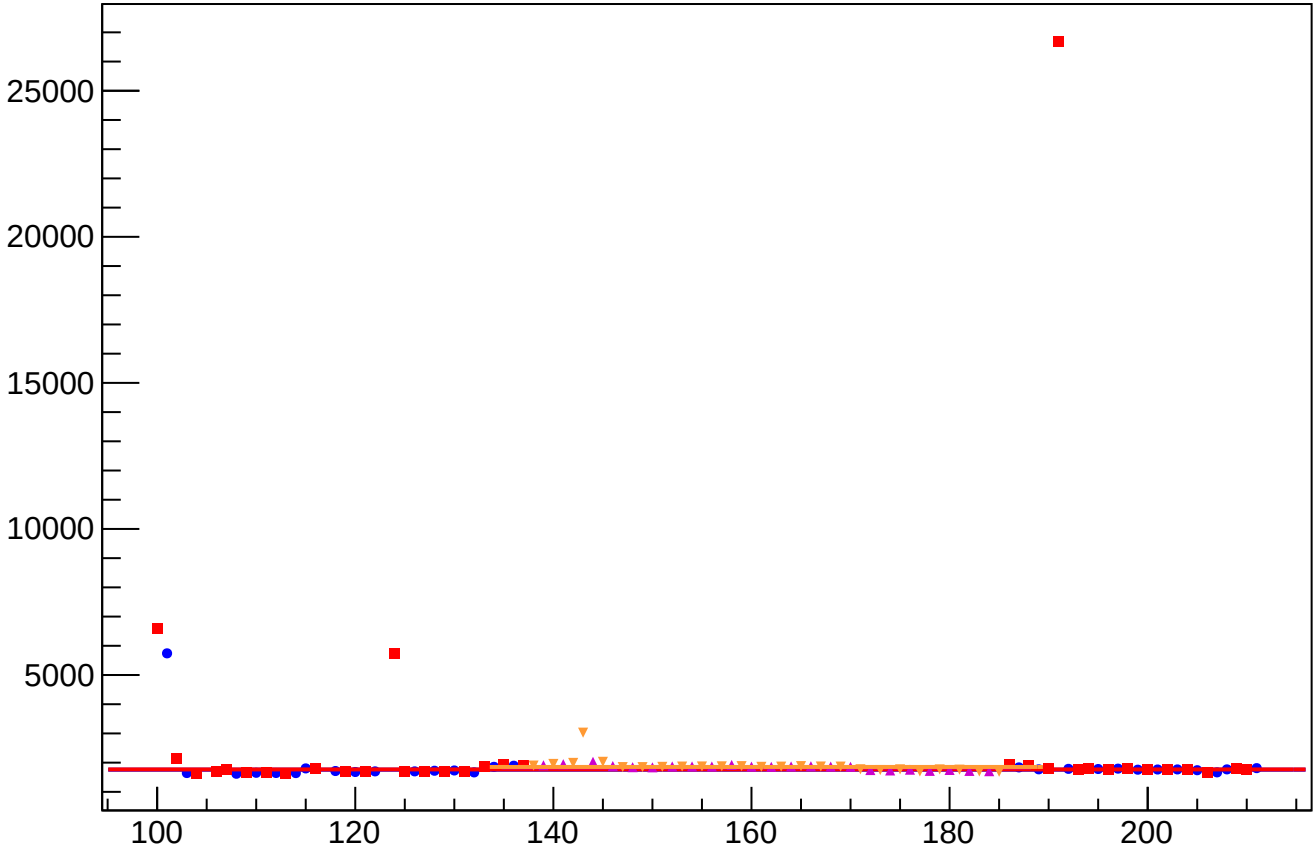
Right: 14.596+/-303.409 χ^2/NDF: 38.1/60

In: -136.715+/-305.994 χ^2/NDF:48.4/50

Out: 535.794+/-298.827 χ^2/NDF:65.9/57

All: 207.508+/-213.791 χ^2/NDF: 116.8/108

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.4/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.493+/-0.298 χ^2/NDF: 637777.7/32

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

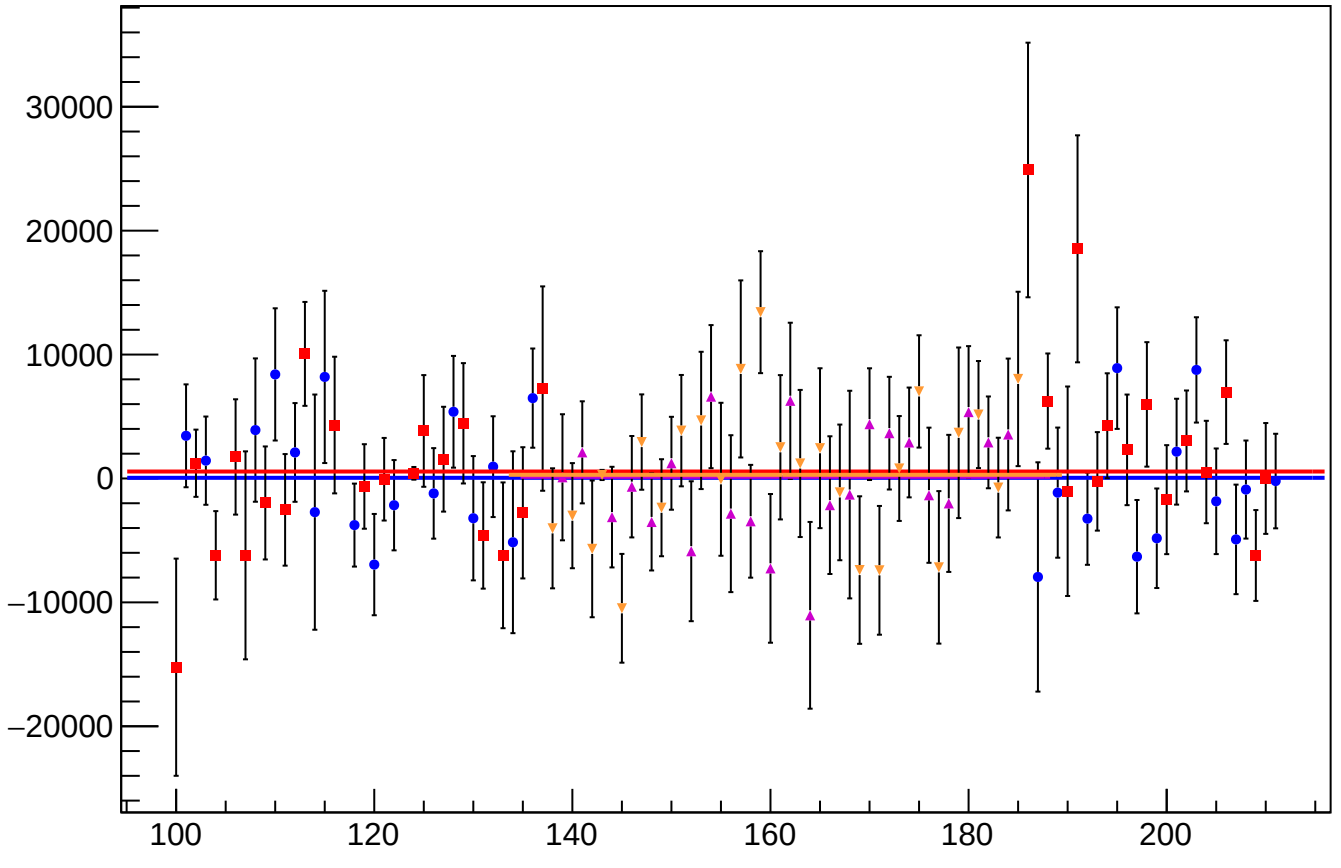
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1762.981+/-0.214 χ^2/NDF: 1317341.7/60

In: 1798.919+/-0.216 χ^2/NDF:782047.7/50

Out: 1809.952+/-0.211 χ^2/NDF:999373.5/57

All: 1804.570+/-0.151 χ^2/NDF: 1782753.1/10



Right In: 52.690+/-831.482 χ^2/NDF: 29.3/27

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 560.838+/-429.797 χ^2/NDF: 39.5/32

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

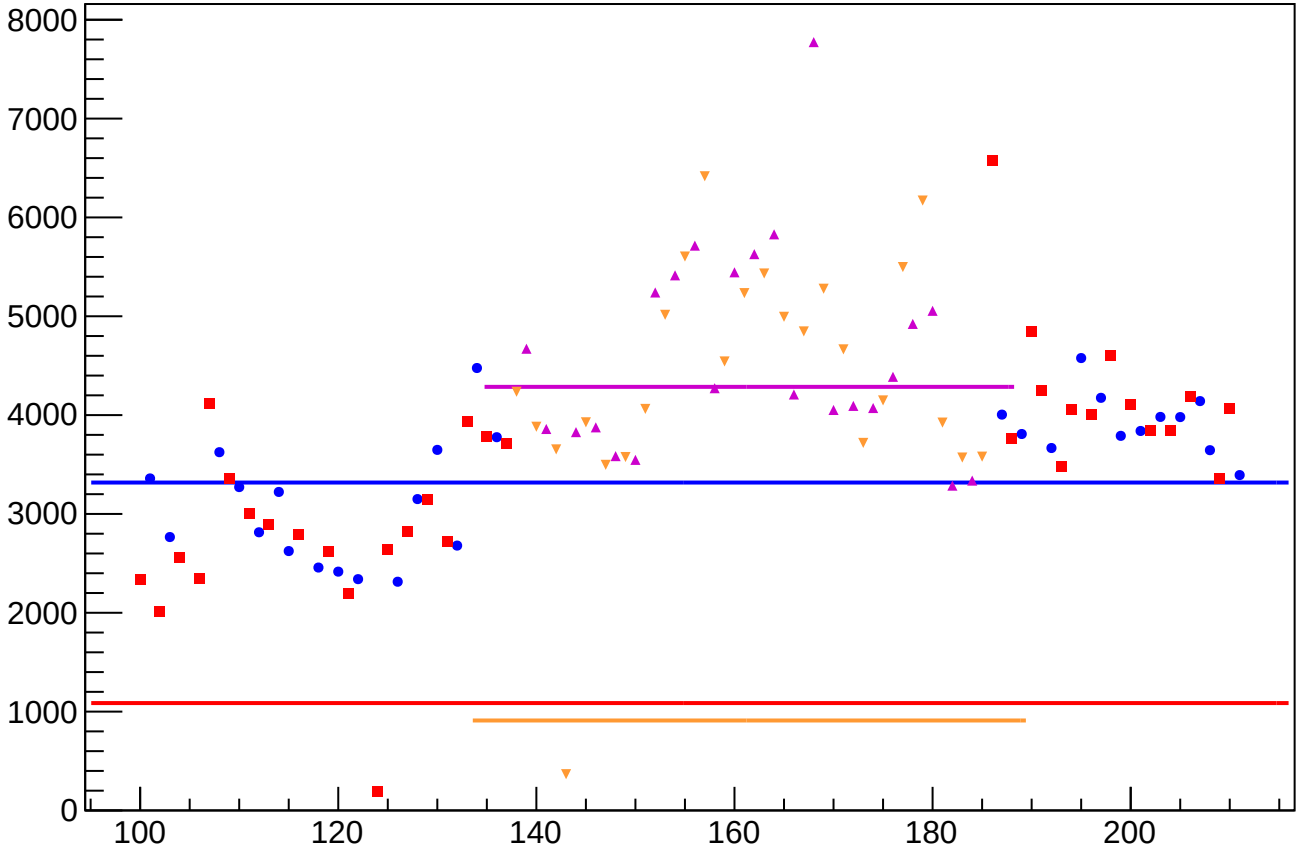
Right: 453.694+/-381.806 χ^2/NDF: 69.1/60

In: 86.738+/-645.219 χ^2/NDF:43.2/50

Out: 411.789+/-284.665 χ^2/NDF:69.7/57

All: 358.827+/-260.444 χ^2/NDF: 113.2/108

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3317.697+/-0.588 χ^2/NDF: 1253307.7/27

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1086.476+/-0.304 χ^2/NDF: 22859828.5/32

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

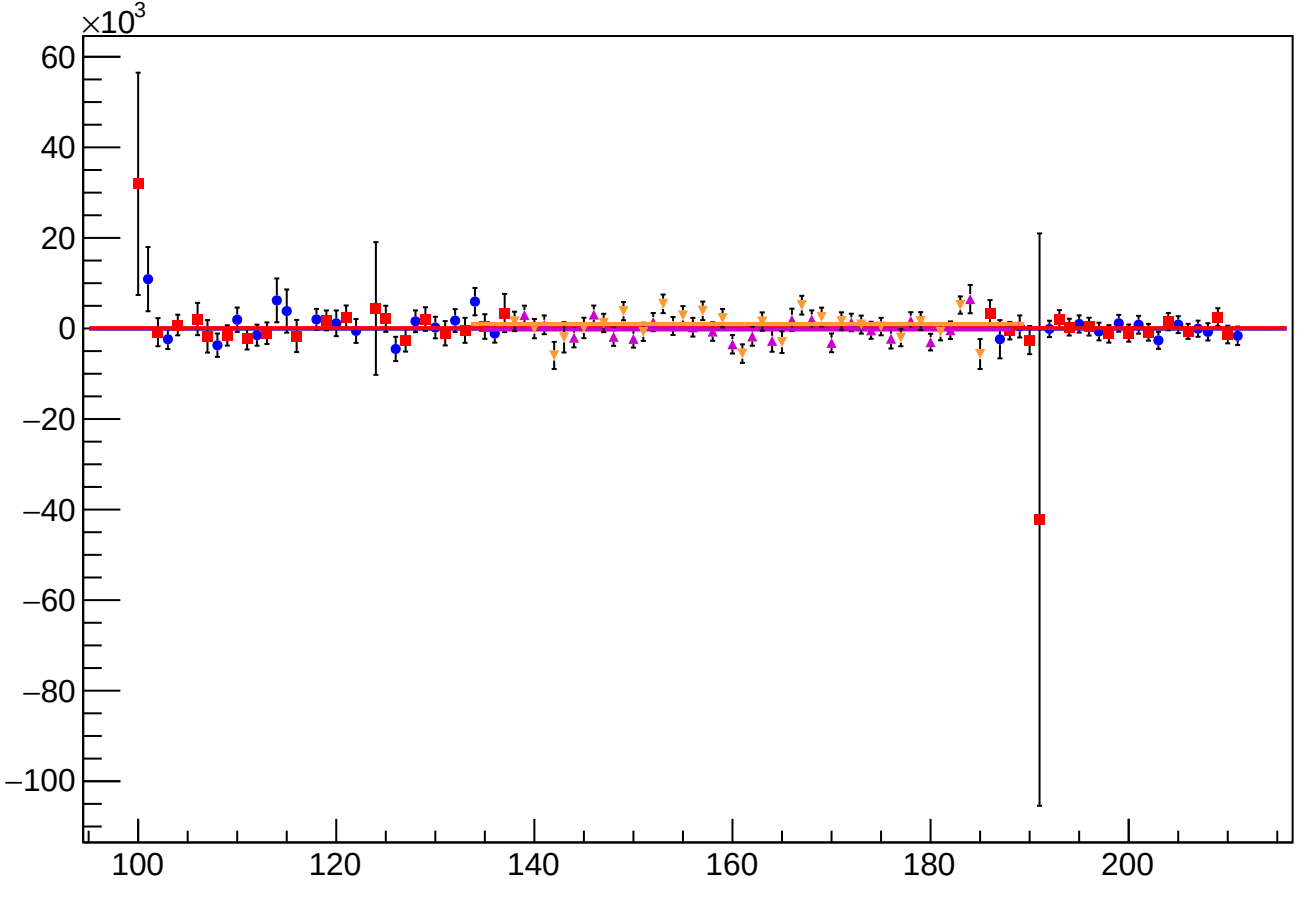
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1556.935+/-0.270 χ^2/NDF: 35478083.0/60

In: 3702.862+/-0.456 χ^2/NDF:3659984.1/50

Out: 987.558+/-0.201 χ^2/NDF:49821527.4/57

All: 1429.976+/-0.184 χ^2/NDF: 83130643.8/1



Right In: -41.526+/-435.849 χ^2/NDF: 21.9/27

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.364+/-422.627 χ^2/NDF: 16.1/32

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

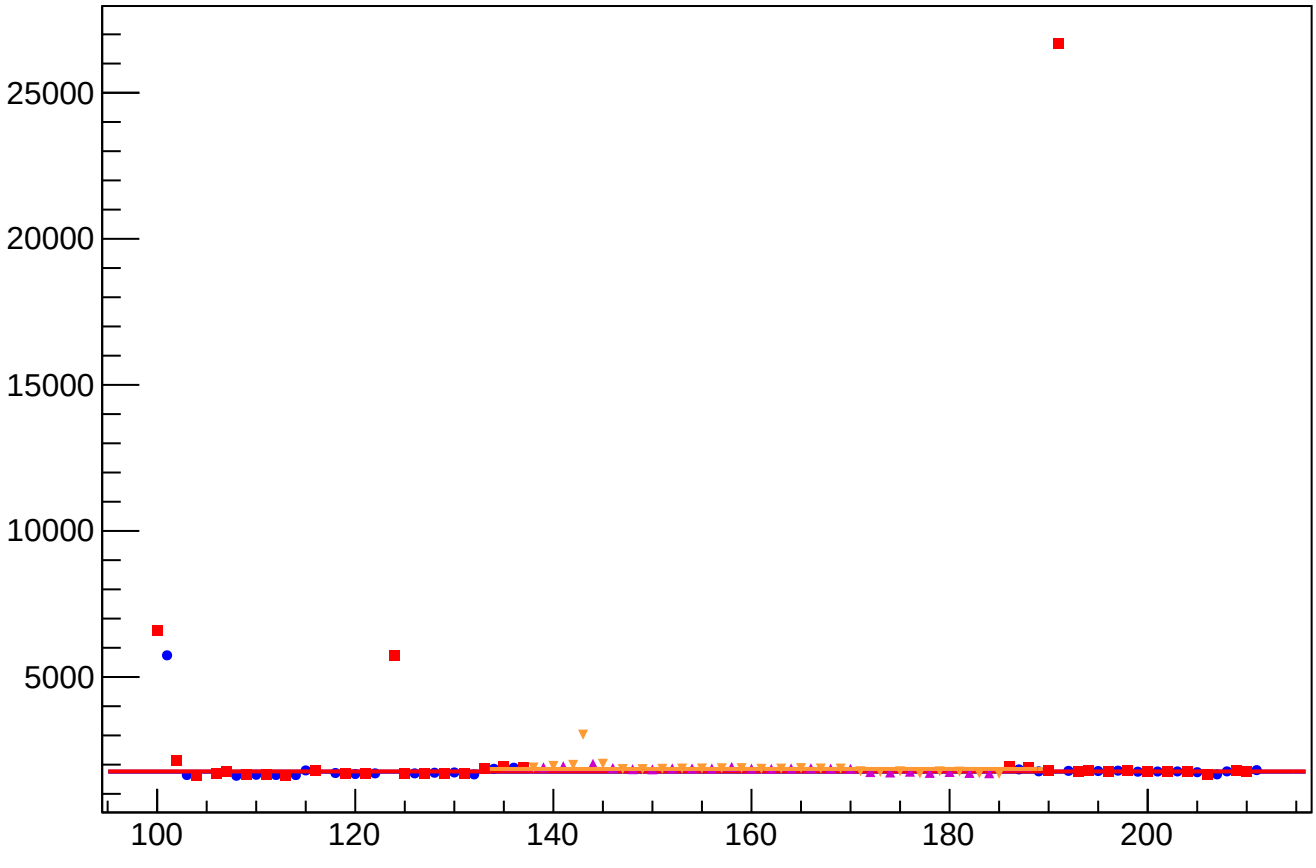
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 14.596+/-303.409 χ^2/NDF: 38.1/60

In: -136.715+/-305.994 χ^2/NDF:48.4/50

Out: 535.794+/-298.827 χ^2/NDF:65.9/57

All: 207.508+/-213.791 χ^2/NDF: 116.8/108



Right In: 1758.167+/-0.308 χ^2/NDF: 679091.4/27

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.493+/-0.298 χ^2/NDF: 637777.7/32

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

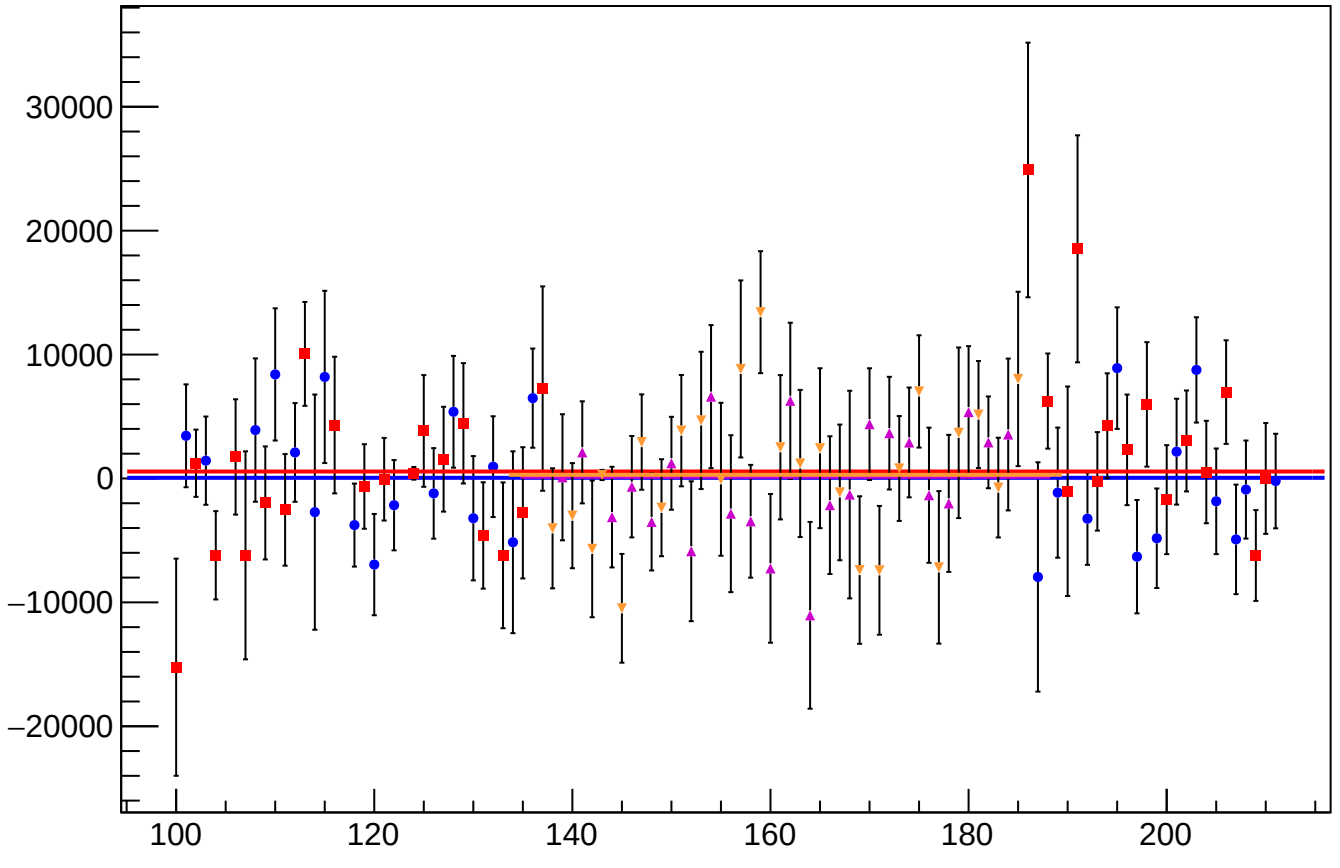
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1762.981+/-0.214 χ^2/NDF: 1317341.7/60

In: 1798.919+/-0.216 χ^2/NDF:782047.7/50

Out: 1809.952+/-0.211 χ^2/NDF:999373.5/57

All: 1804.570+/-0.151 χ^2/NDF: 1782753.1/10



Right In: 52.690+/-831.482 χ^2/NDF: 29.3/27

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 560.838+/-429.797 χ^2/NDF: 39.5/32

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

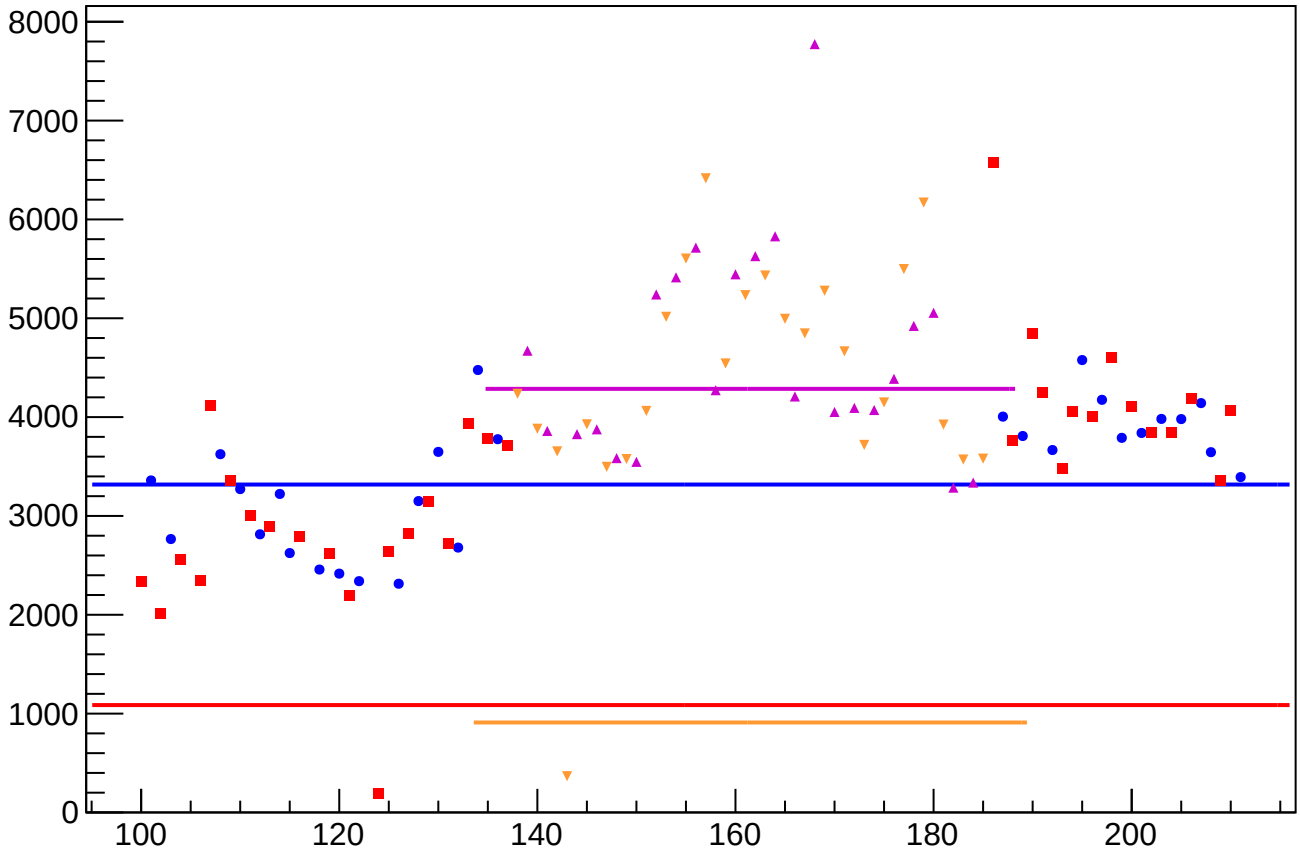
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 453.694+/-381.806 χ^2/NDF: 69.1/60

In: 86.738+/-645.219 χ^2/NDF:43.2/50

Out: 411.789+/-284.665 χ^2/NDF:69.7/57

All: 358.827+/-260.444 χ^2/NDF: 113.2/108



Right In: 3317.697+/-0.588 χ^2/NDF: 1253307.7/27

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1086.476+/-0.304 χ^2/NDF: 22859828.5/32

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

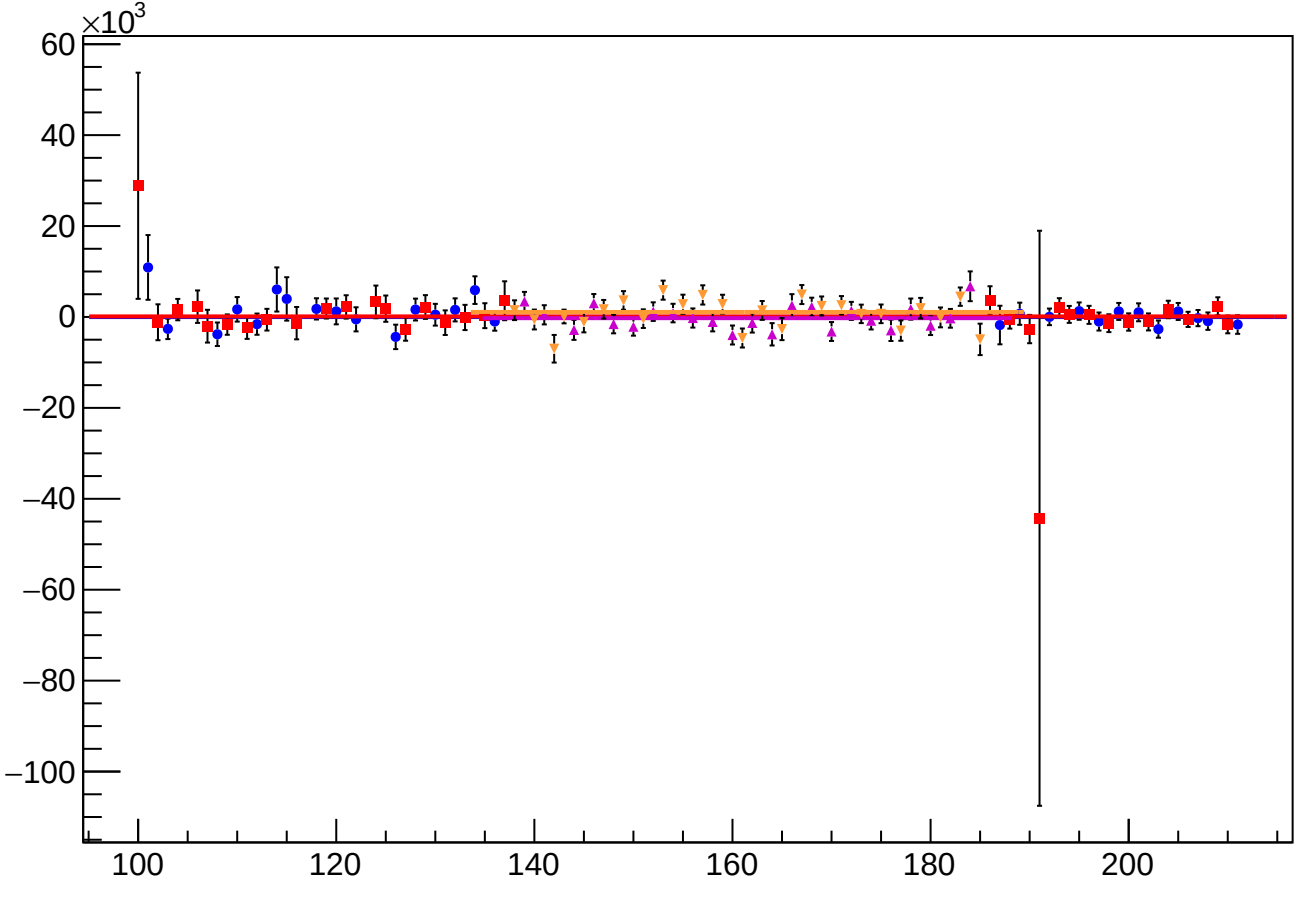
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1556.935+/-0.270 χ^2/NDF: 35478083.0/60

In: 3702.862+/-0.456 χ^2/NDF:3659984.1/50

Out: 987.558+/-0.201 χ^2/NDF:49821527.4/57

All: 1429.976+/-0.184 χ^2/NDF: 83130643.8/1



Right In: -18.715+/-438.421 χ^2/NDF: 22.3/27

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 121.002+/-423.826 χ^2/NDF: 17.9/32

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

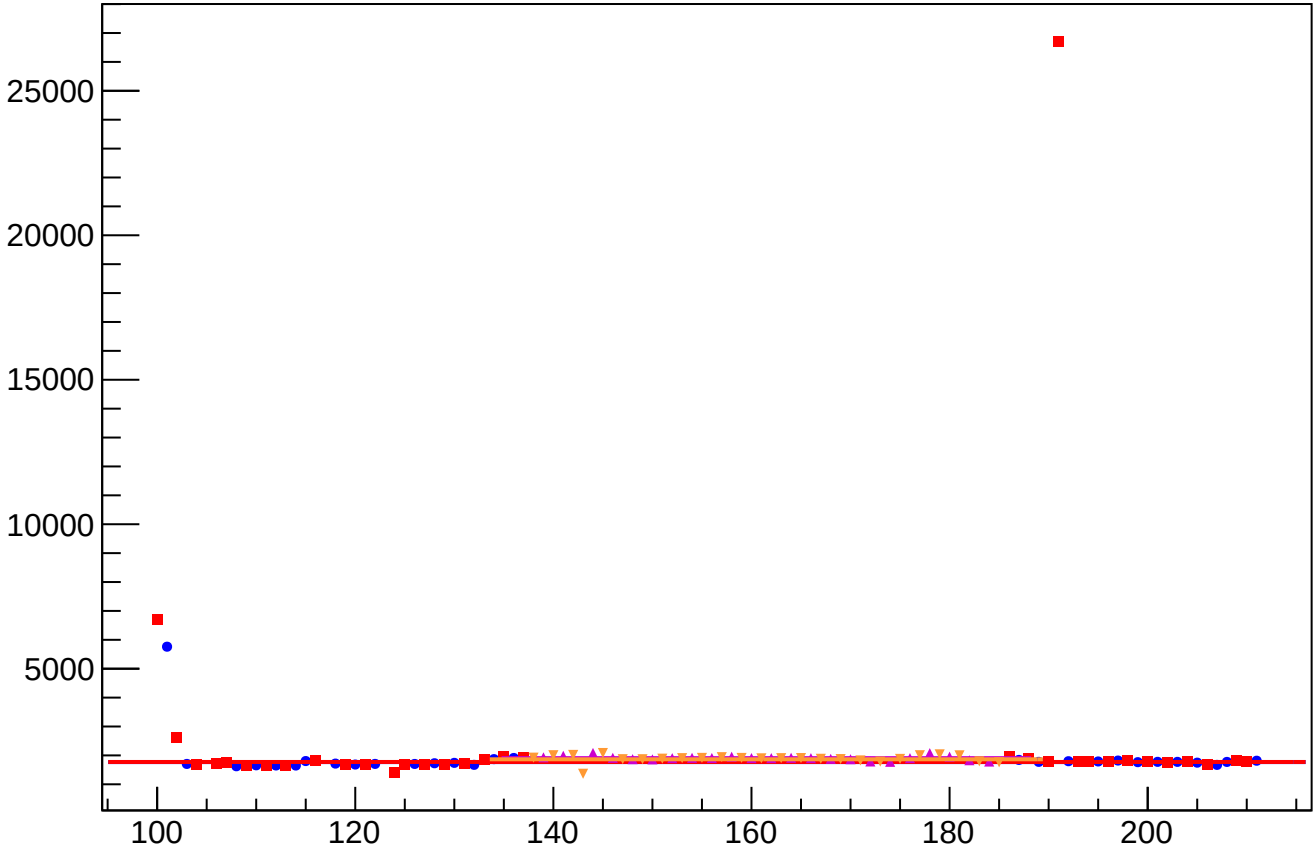
Right: 53.508+/-304.719 χ^2/NDF: 40.3/60

In: -139.733+/-312.432 χ^2/NDF:50.1/50

Out: 610.426+/-300.217 χ^2/NDF:65.4/57

All: 250.298+/-216.475 χ^2/NDF: 118.5/108

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1768.539+/-0.310 χ^2/NDF: 678074.4/27

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1772.507+/-0.299 χ^2/NDF: 569523.1/32

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

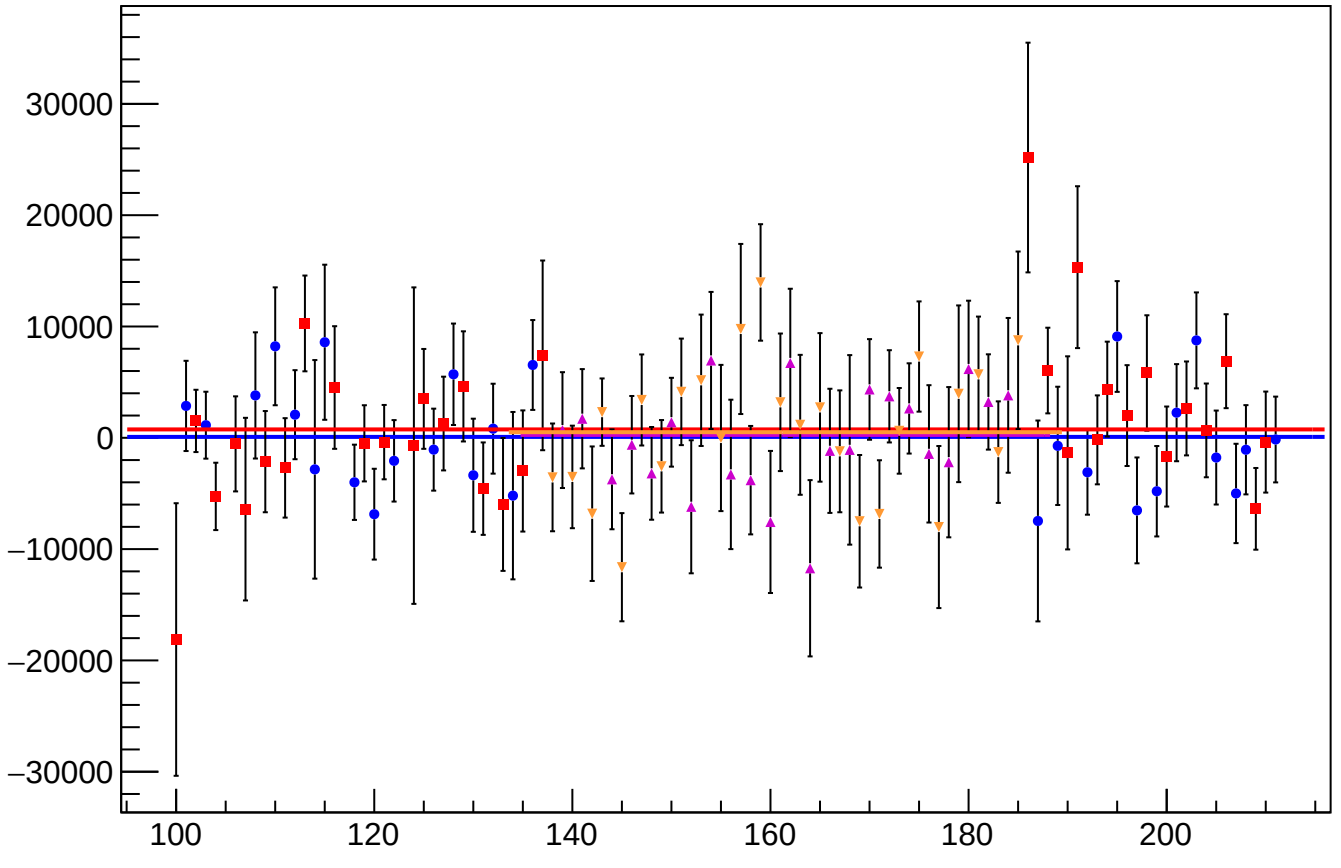
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1770.593+/-0.215 χ^2/NDF: 1247682.3/60

In: 1836.008+/-0.221 χ^2/NDF:827095.1/50

Out: 1818.456+/-0.212 χ^2/NDF:911586.9/57

All: 1826.877+/-0.153 χ^2/NDF: 1741965.9/10



Right In: 80.906+/-827.895 χ^2/NDF: 29.0/27

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 753.847+/-787.389 χ^2/NDF: 38.7/32

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

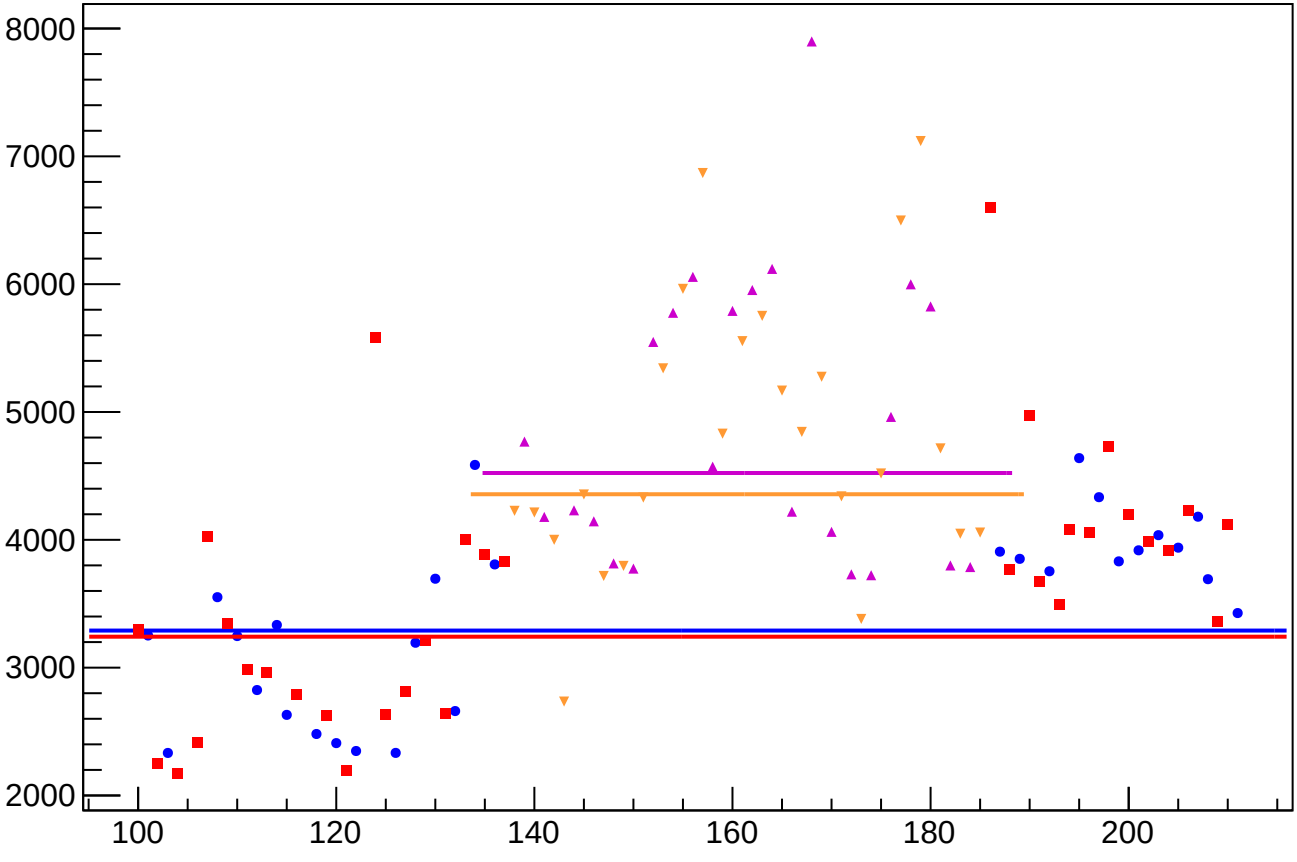
Right: 434.241+/-570.551 χ^2/NDF: 68.1/60

In: 147.474+/-657.369 χ^2/NDF:42.6/50

Out: 660.845+/-623.667 χ^2/NDF:68.8/57

All: 417.656+/-452.445 χ^2/NDF: 111.8/108

asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3290.177+/-0.585 χ^2/NDF: 1473260.8/27

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3242.224+/-0.557 χ^2/NDF: 2152750.1/32

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

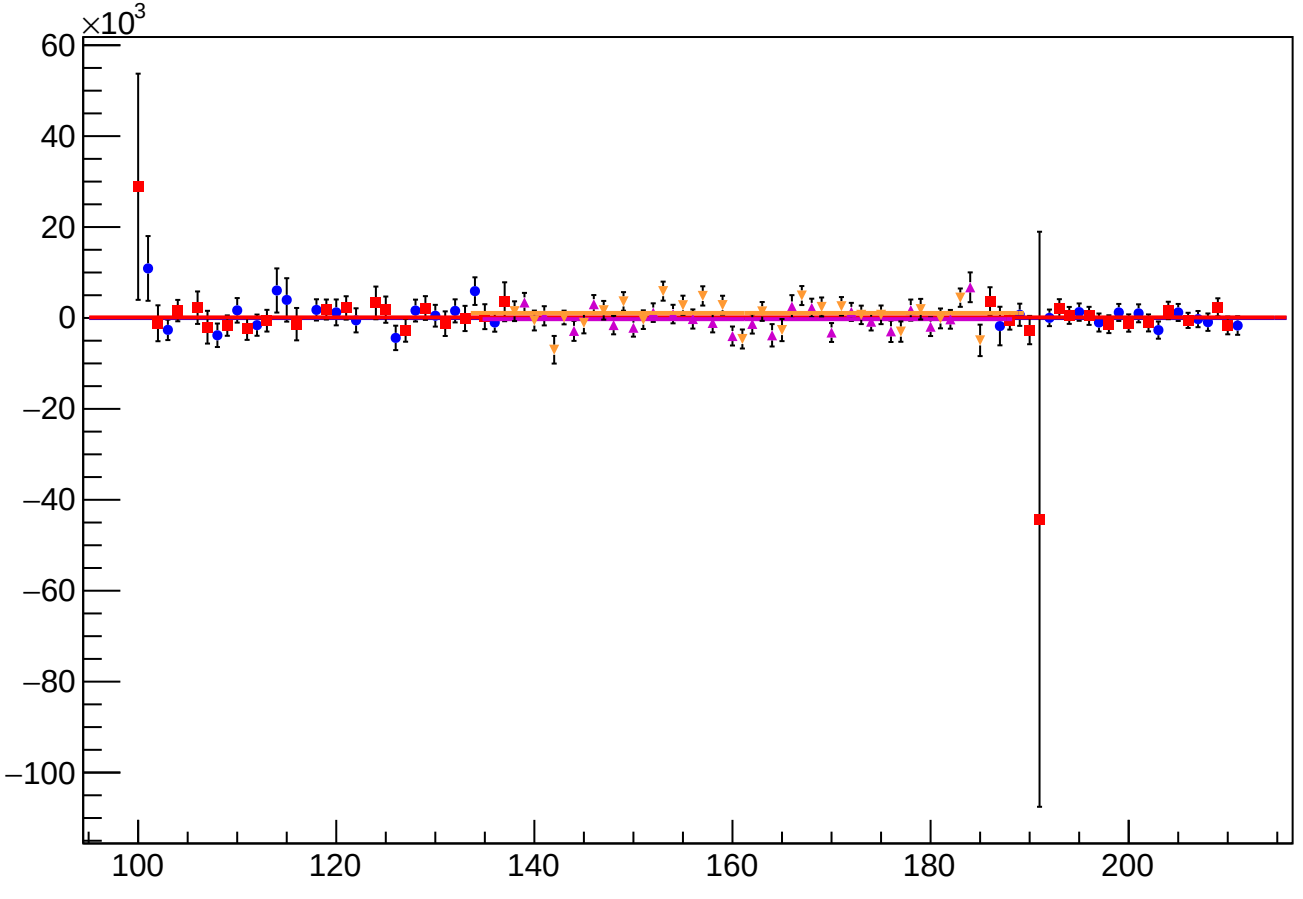
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3264.999+/-0.403 χ^2/NDF: 3629533.9/60

In: 3745.657+/-0.465 χ^2/NDF:4545500.8/50

Out: 3657.485+/-0.441 χ^2/NDF:5557939.0/57

All: 3699.253+/-0.320 χ^2/NDF: 10122376.1/1



Right In: -18.716+/-438.421 χ^2/NDF: 22.3/27

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 121.002+/-423.826 χ^2/NDF: 17.9/32

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

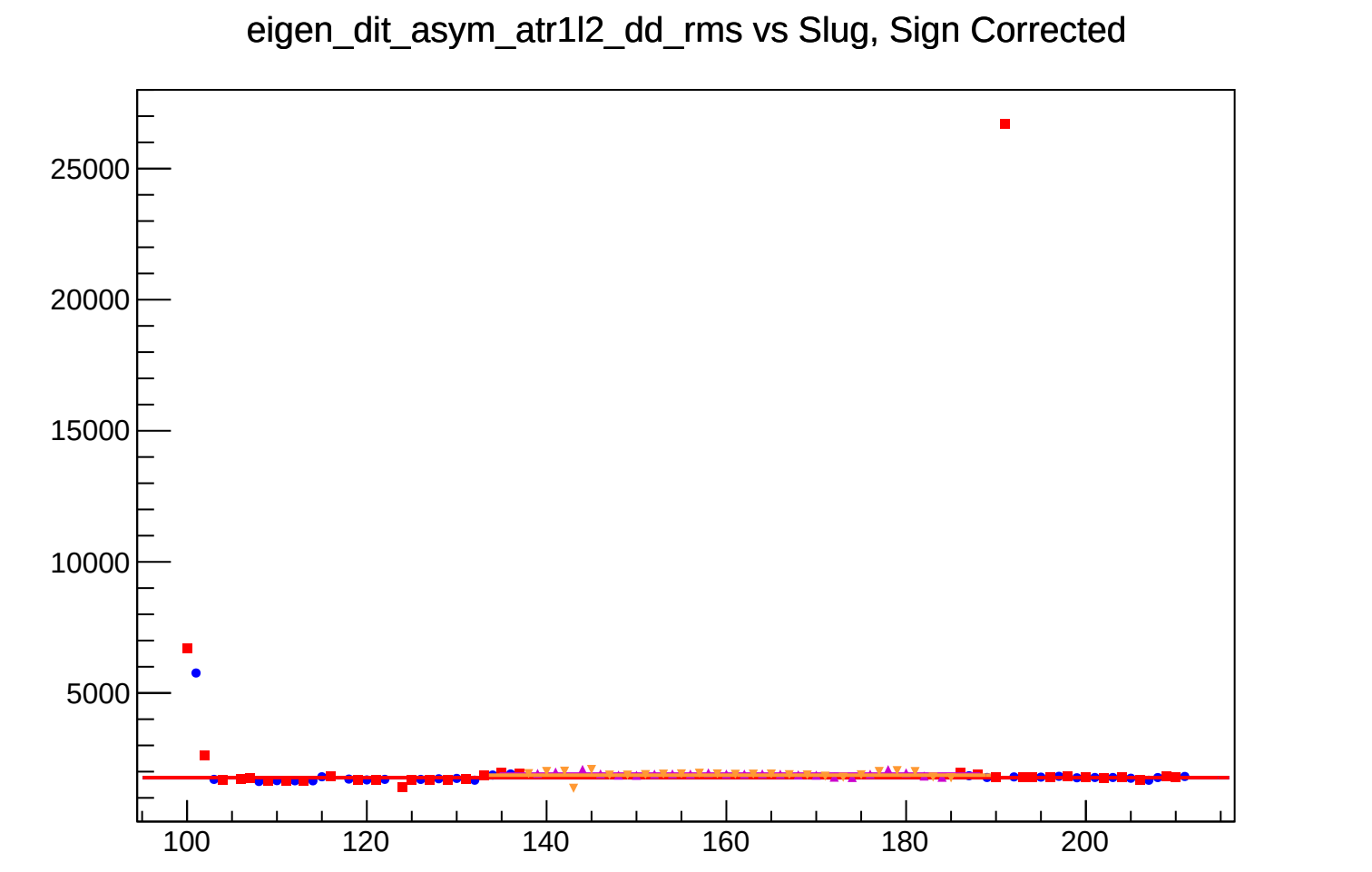
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 53.507+/-304.719 χ^2/NDF: 40.3/60

In: -139.734+/-312.433 χ^2/NDF:50.1/50

Out: 610.427+/-300.217 χ^2/NDF:65.4/57

All: 250.298+/-216.475 χ^2/NDF: 118.5/108



Right In: 1768.539+/-0.310 χ^2/NDF: 678074.4/27

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1772.508+/-0.299 χ^2/NDF: 569523.1/32

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

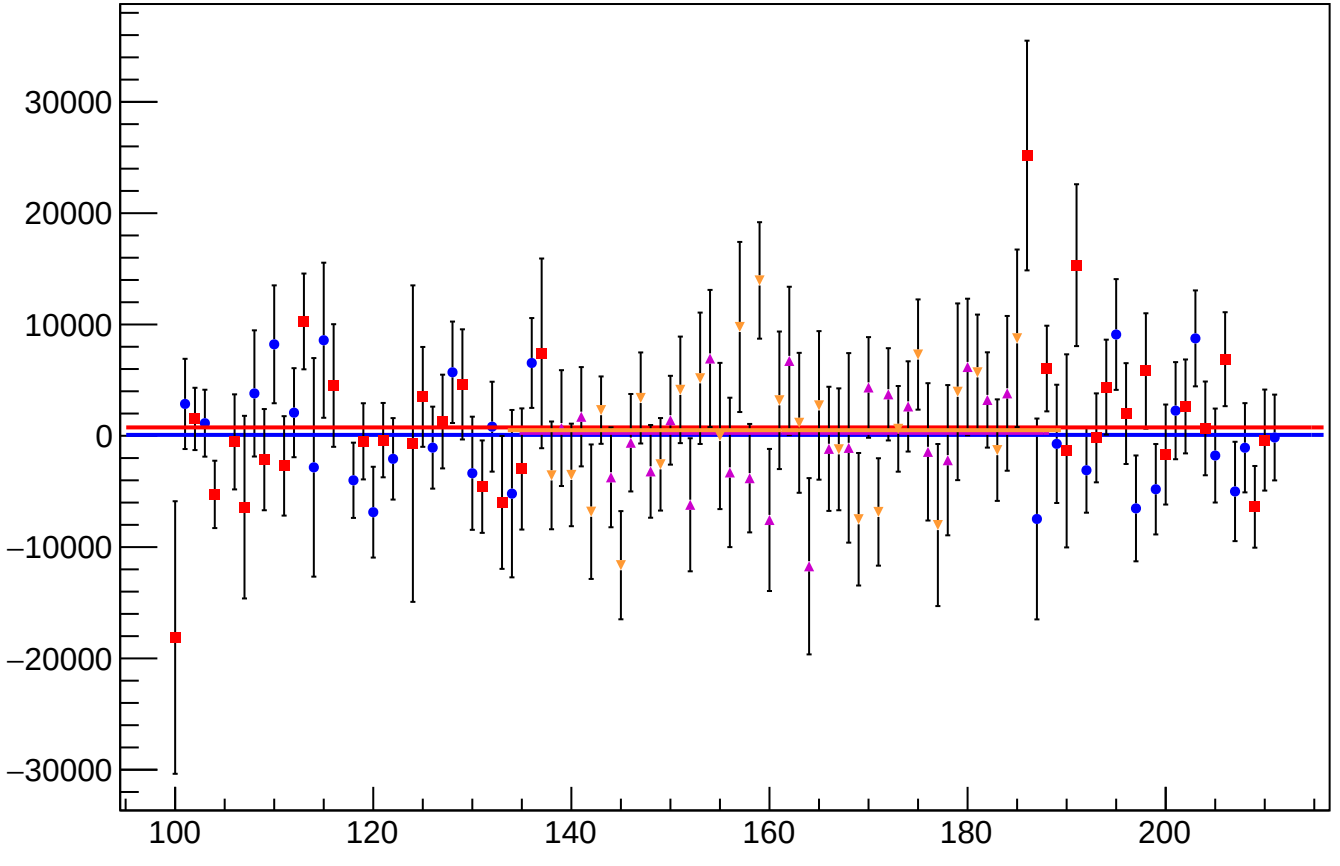
Right: 1770.593+/-0.215 χ^2/NDF: 1247682.3/60

In: 1836.009+/-0.221 χ^2/NDF:827098.7/50

Out: 1818.456+/-0.212 χ^2/NDF:911591.1/57

All: 1826.877+/-0.153 χ^2/NDF: 1741973.8/10

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 80.904+/-827.894 χ^2/NDF: 29.0/27

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 753.843+/-787.389 χ^2/NDF: 38.7/32

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

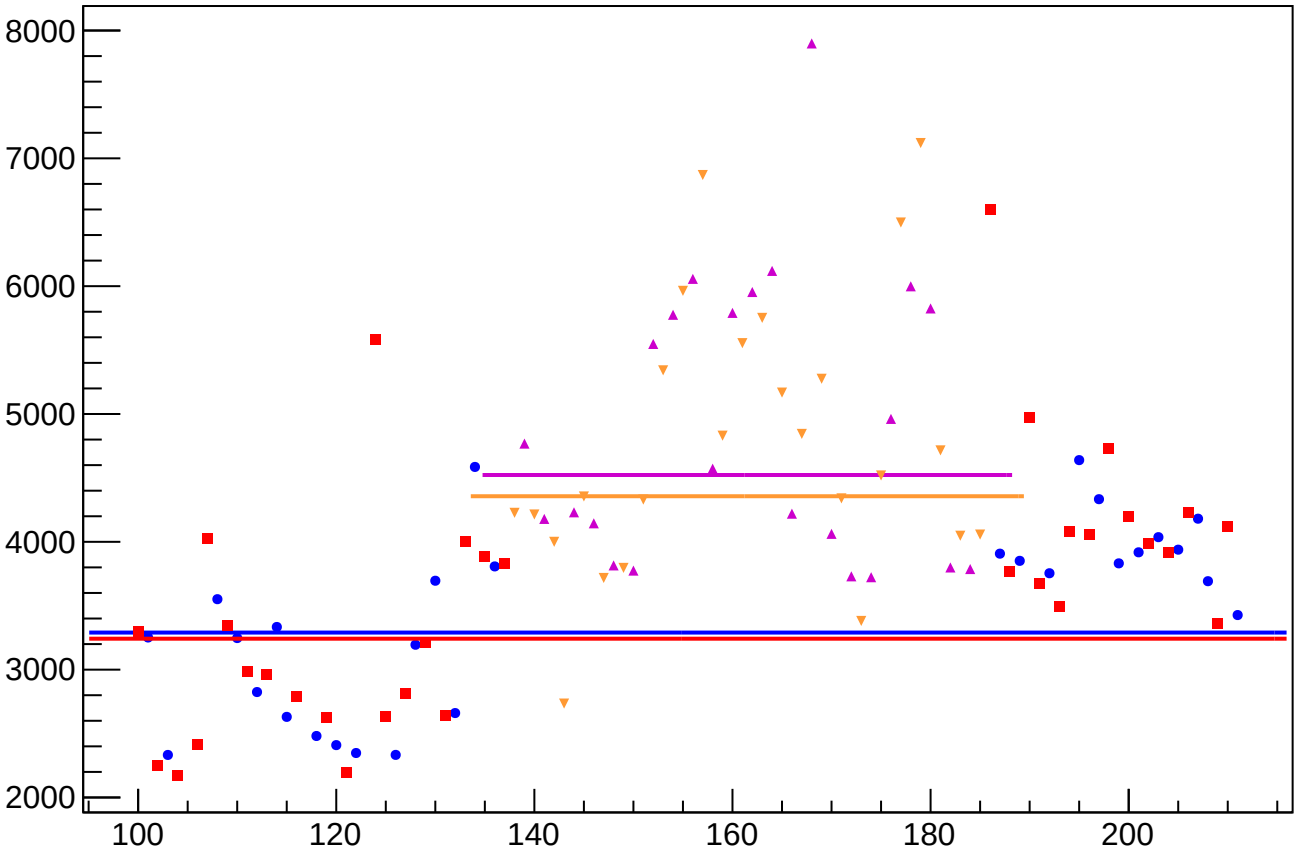
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 434.238+/-570.550 χ^2/NDF: 68.1/60

In: 147.472+/-657.369 χ^2/NDF:42.6/50

Out: 660.844+/-623.667 χ^2/NDF:68.8/57

All: 417.655+/-452.445 χ^2/NDF: 111.8/108



Right In: 3290.174+/-0.585 χ^2/NDF: 1473289.9/27

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3242.221+/-0.557 χ^2/NDF: 2152768.5/32

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

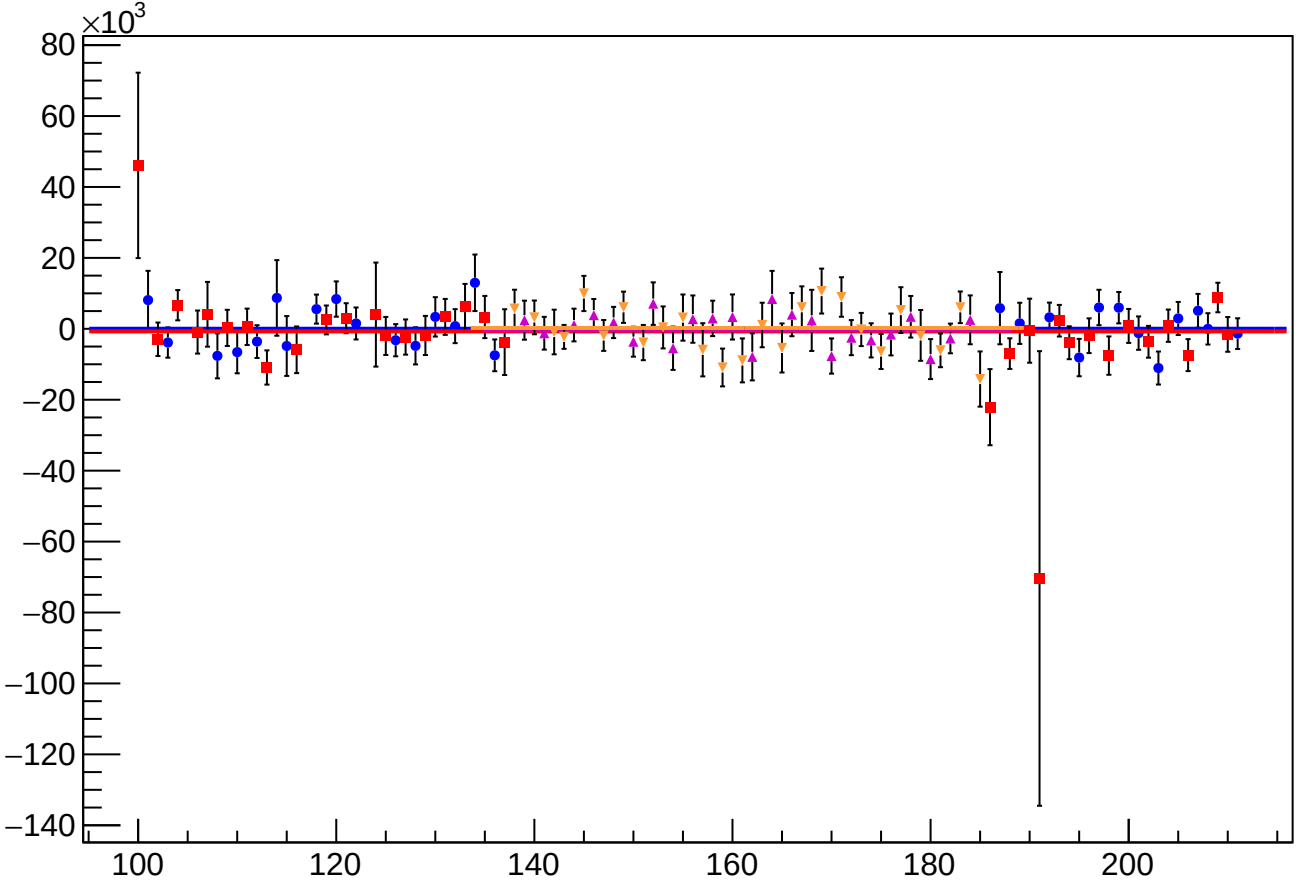
Right: 3264.996+/-0.403 χ^2/NDF: 3629581.5/60

In: 3745.657+/-0.465 χ^2/NDF:4545557.1/50

Out: 3657.485+/-0.441 χ^2/NDF:5557986.2/57

All: 3699.253+/-0.320 χ^2/NDF: 10122479.7/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 21.444+/-963.036 χ^2/NDF: 32.0/27

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -726.325+/-931.595 χ^2/NDF: 33.9/32

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

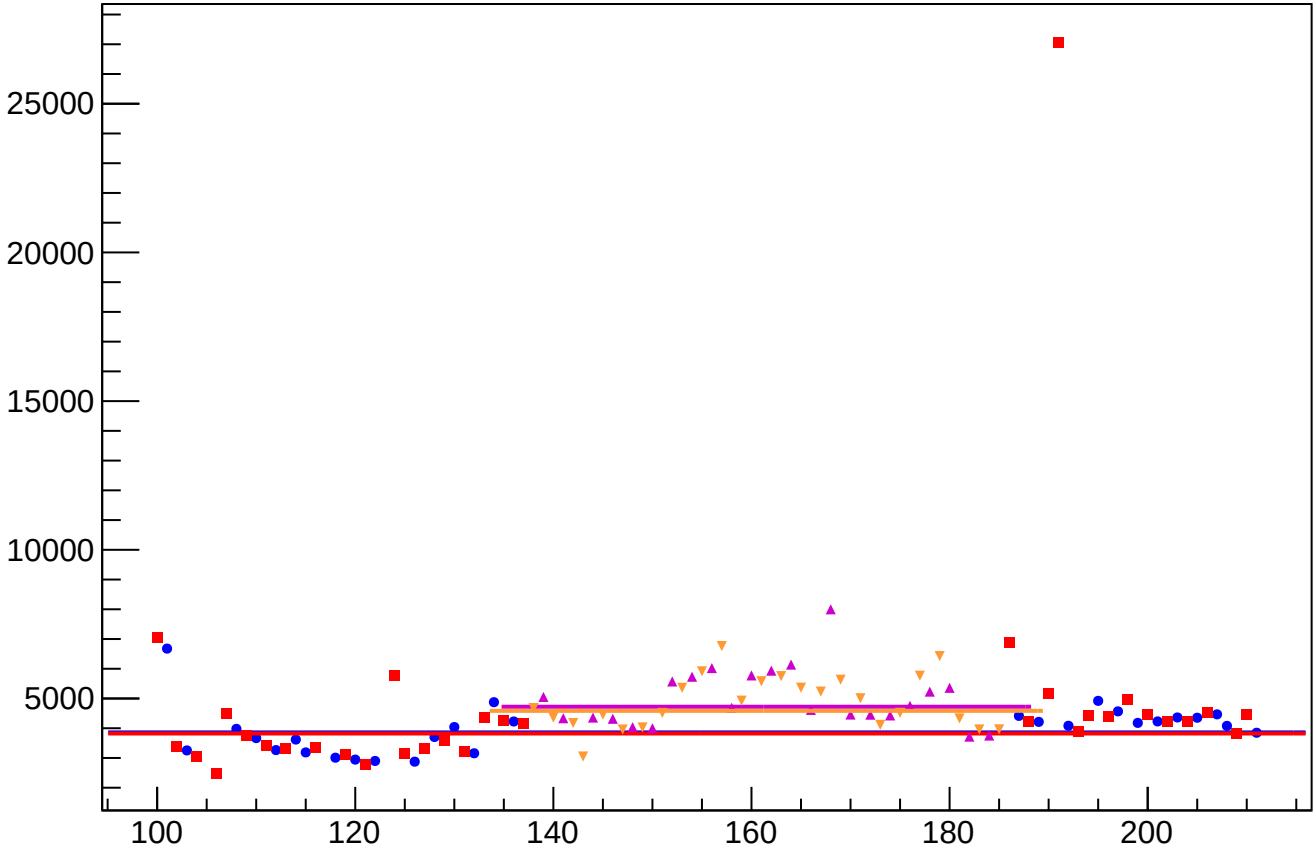
Right: -364.847+/-669.576 χ^2/NDF: 66.2/60

In: -156.558+/-730.579 χ^2/NDF:46.3/50

Out: -307.316+/-701.087 χ^2/NDF:66.6/57

All: -235.041+/-505.848 χ^2/NDF: 112.9/108

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3859.429+/-0.681 χ^2/NDF: 1000597.8/27

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3822.931+/-0.654 χ^2/NDF: 1449858.3/32

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

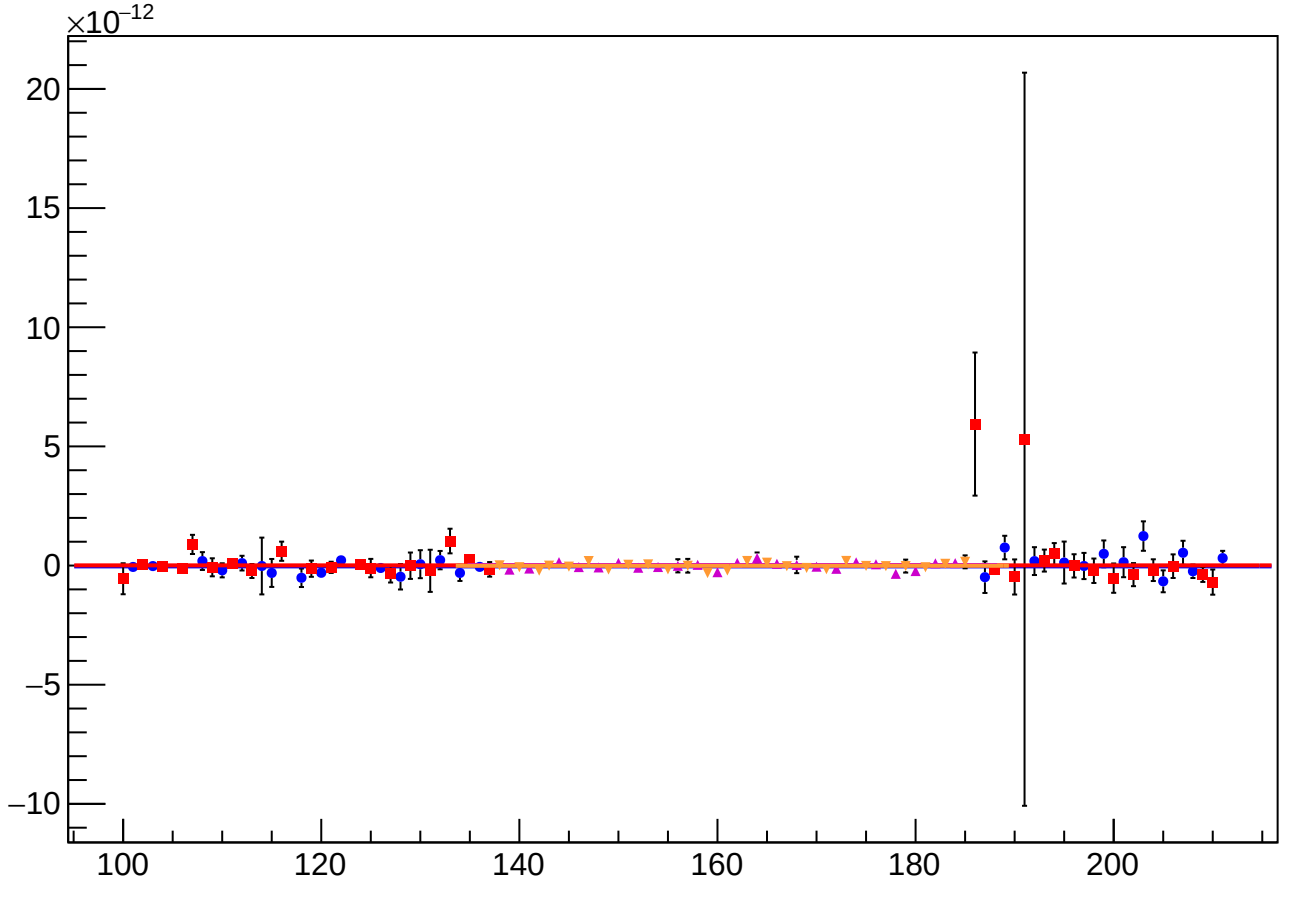
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3840.437+/-0.472 χ^2/NDF: 2451950.9/60

In: 4226.016+/-0.517 χ^2/NDF:2699908.2/50

Out: 4150.434+/-0.494 χ^2/NDF:3345213.6/57

All: 4186.507+/-0.357 χ^2/NDF: 6056311.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/32

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

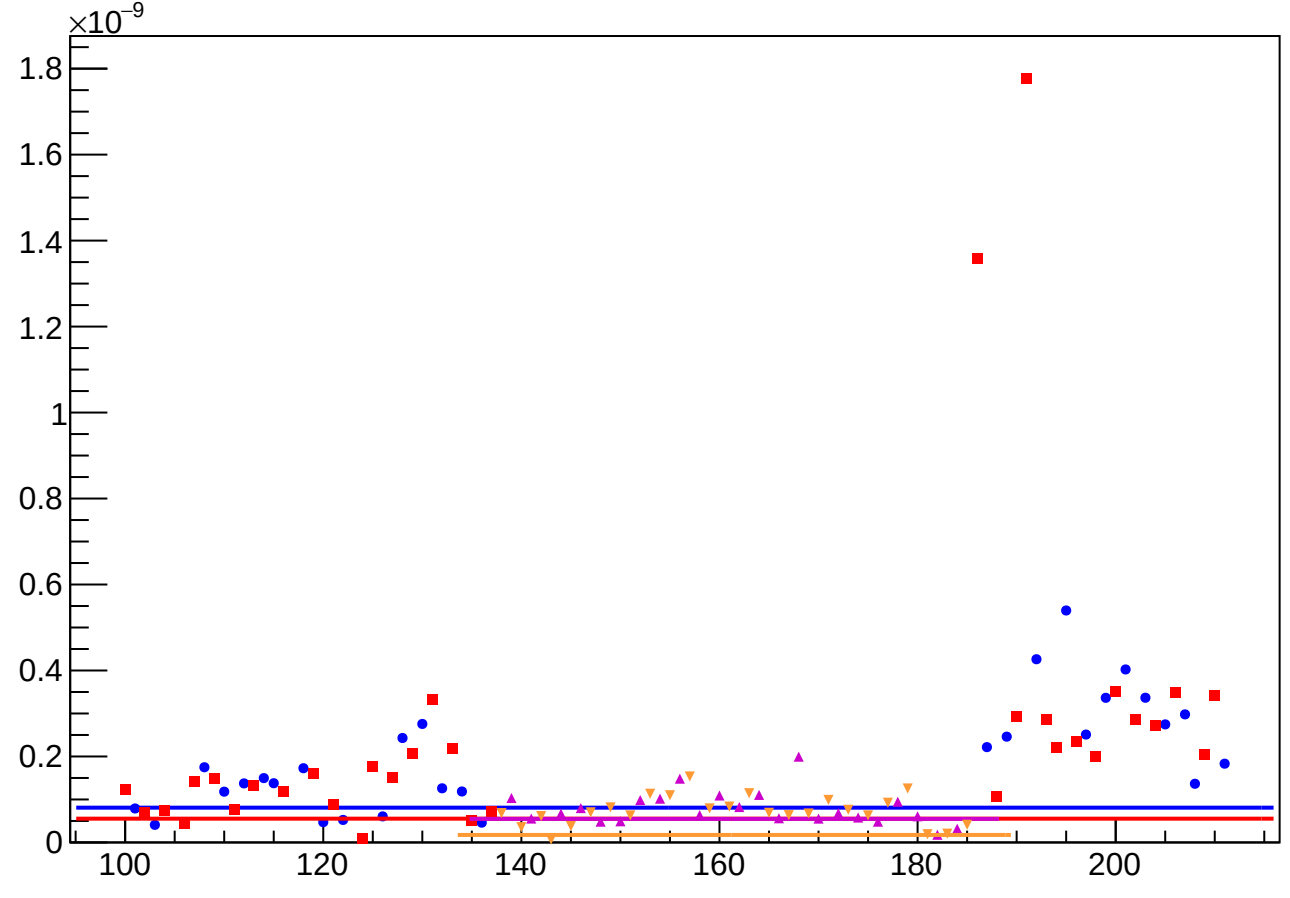
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 52.8/60

In: 0.000+/-0.000 χ^2/NDF:49.3/50

Out: -0.000+/-0.000 χ^2/NDF:53.1/57

All: -0.000+/-0.000 χ^2/NDF: 102.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 5805344.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8559926.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

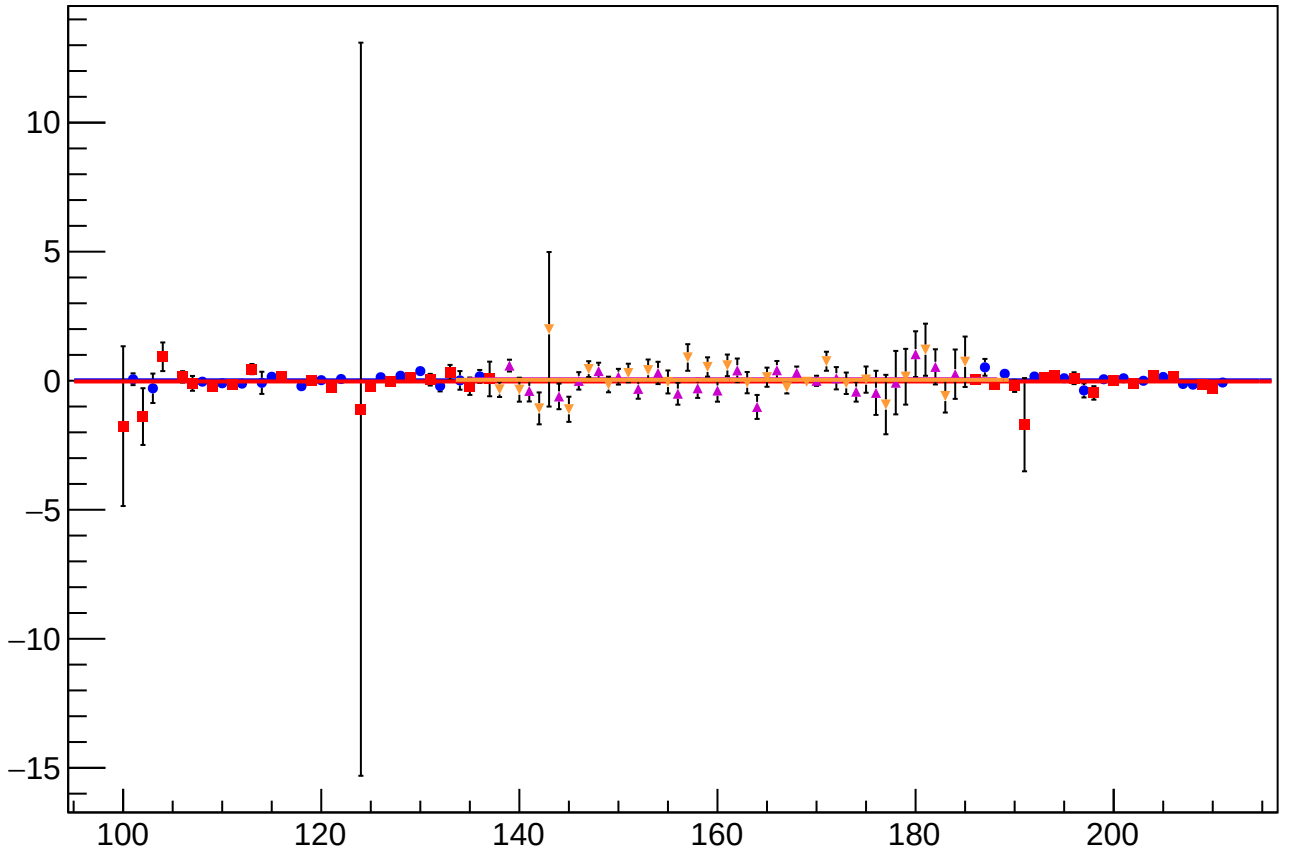
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14808870.5/60

In: 0.000+/-0.000 χ^2/NDF:9184947.9/50

Out: 0.000+/-0.000 χ^2/NDF:19642330.1/57

All: 0.000+/-0.000 χ^2/NDF: 34637746.3/108



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.030 χ^2/NDF: 40.8/32

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

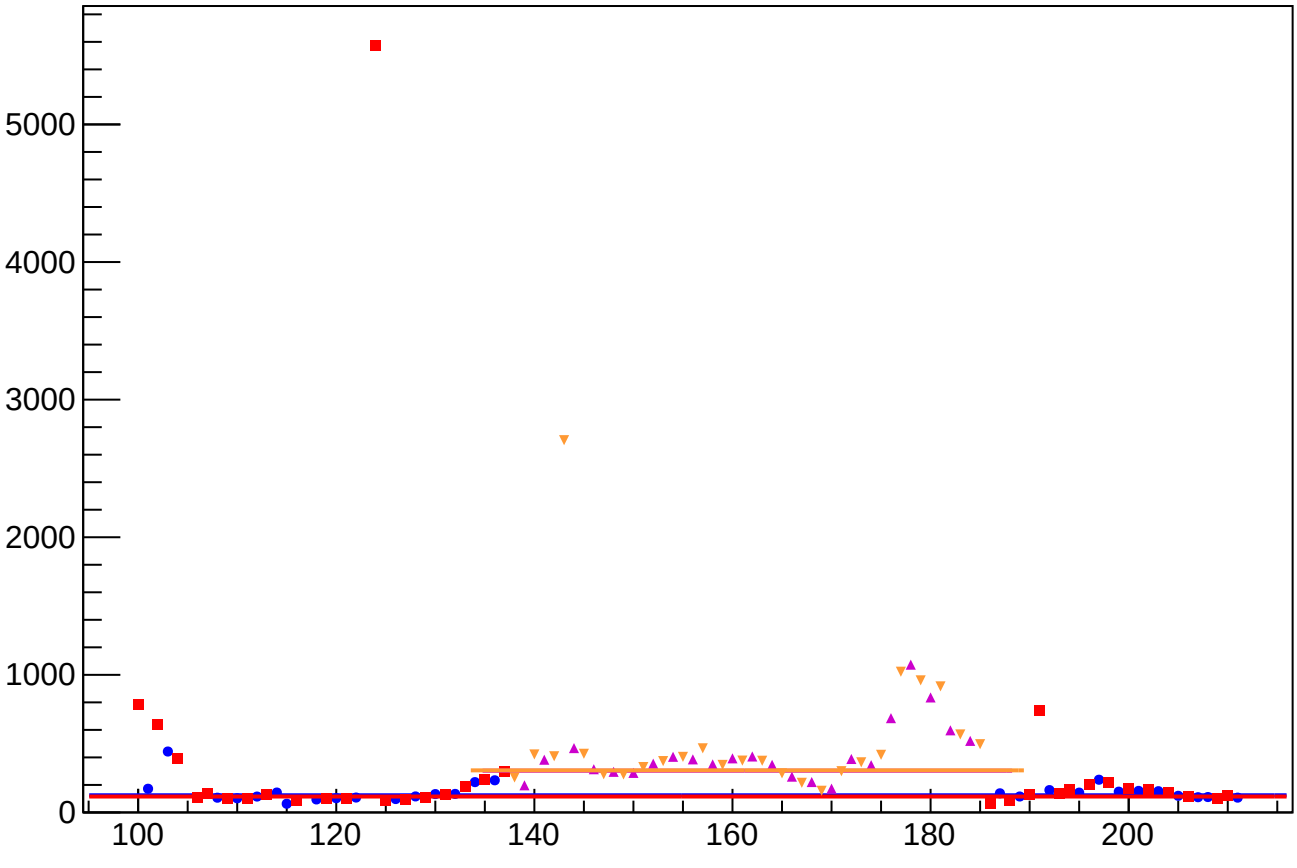
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.008+/-0.022 χ^2/NDF: 66.4/60

In: 0.023+/-0.030 χ^2/NDF:50.8/50

Out: -0.021+/-0.028 χ^2/NDF:71.8/57

All: -0.001+/-0.021 χ^2/NDF: 123.8/108



Right In: 124.943+/-0.023 χ^2/NDF: 2511300.3/27

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.737+/-0.022 χ^2/NDF: 4409547.9/32

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

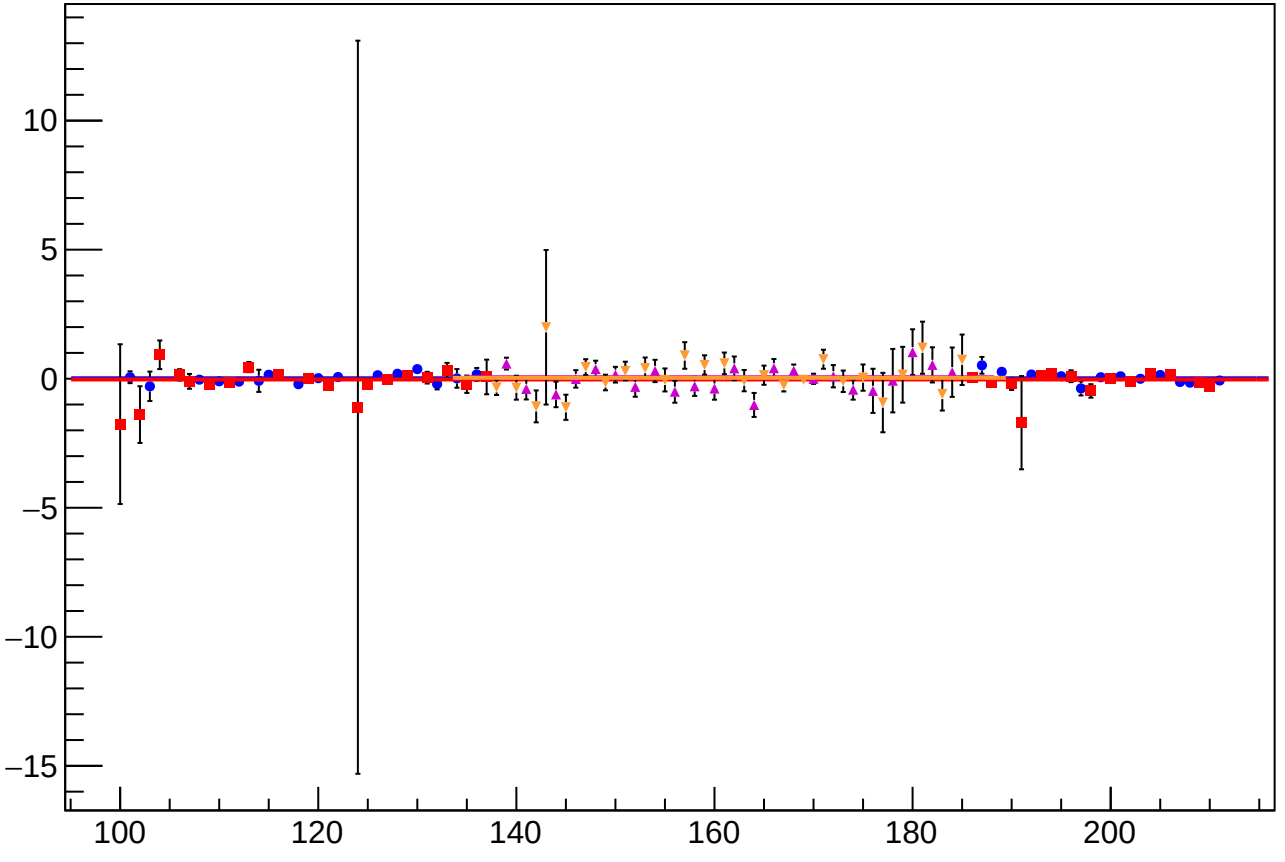
Right: 119.997+/-0.016 χ^2/NDF: 7005428.0/60

In: 152.172+/-0.021 χ^2/NDF:16343002.7/50

Out: 140.933+/-0.020 χ^2/NDF:21379532.8/57

All: 146.199+/-0.015 χ^2/NDF: 37869657.2/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.030 χ^2/NDF: 40.8/32

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

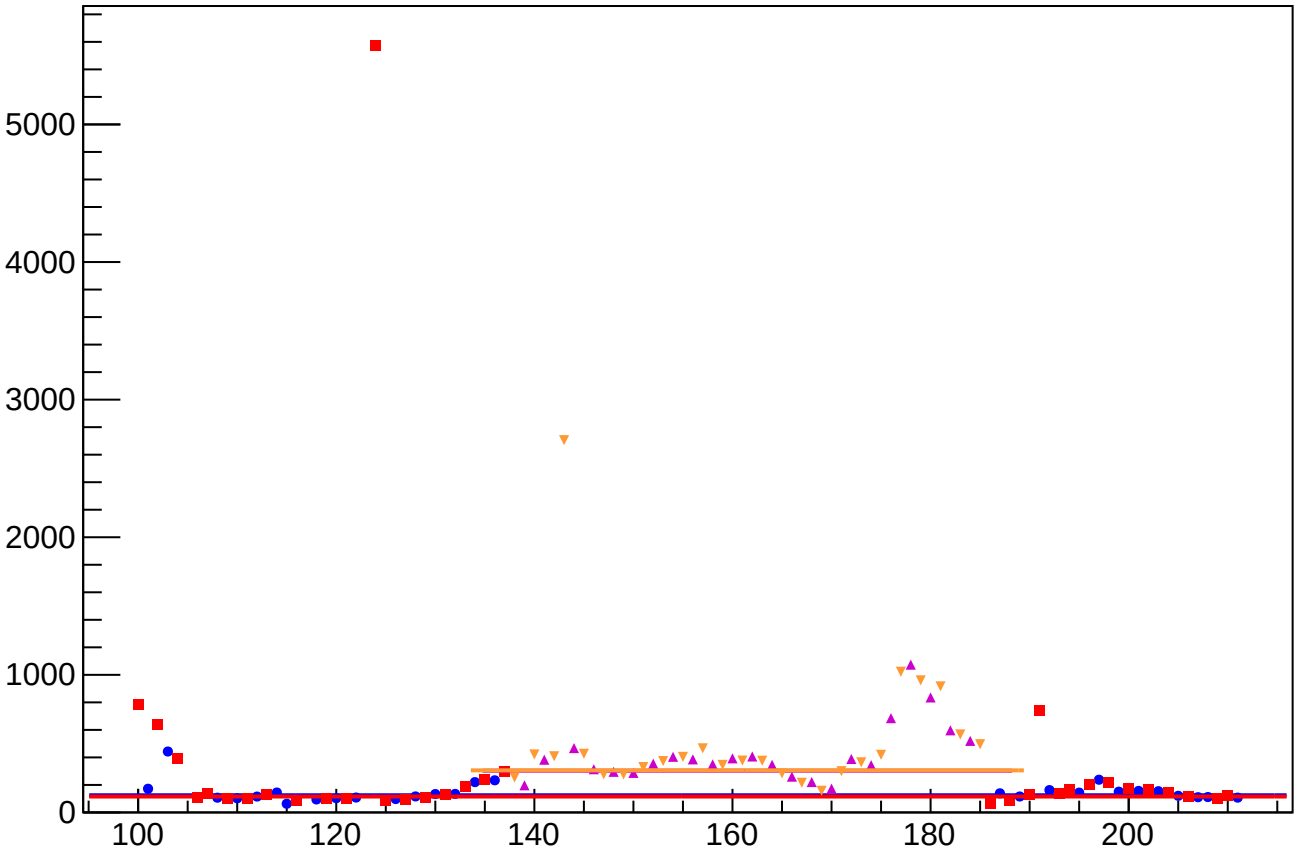
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.008+/-0.022 χ^2/NDF: 66.4/60

In: 0.023+/-0.030 χ^2/NDF:50.8/50

Out: -0.021+/-0.028 χ^2/NDF:71.8/57

All: -0.001+/-0.021 χ^2/NDF: 123.8/108



Right In: 124.943+/-0.023 χ^2/NDF: 2511300.3/27

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.737+/-0.022 χ^2/NDF: 4409547.9/32

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

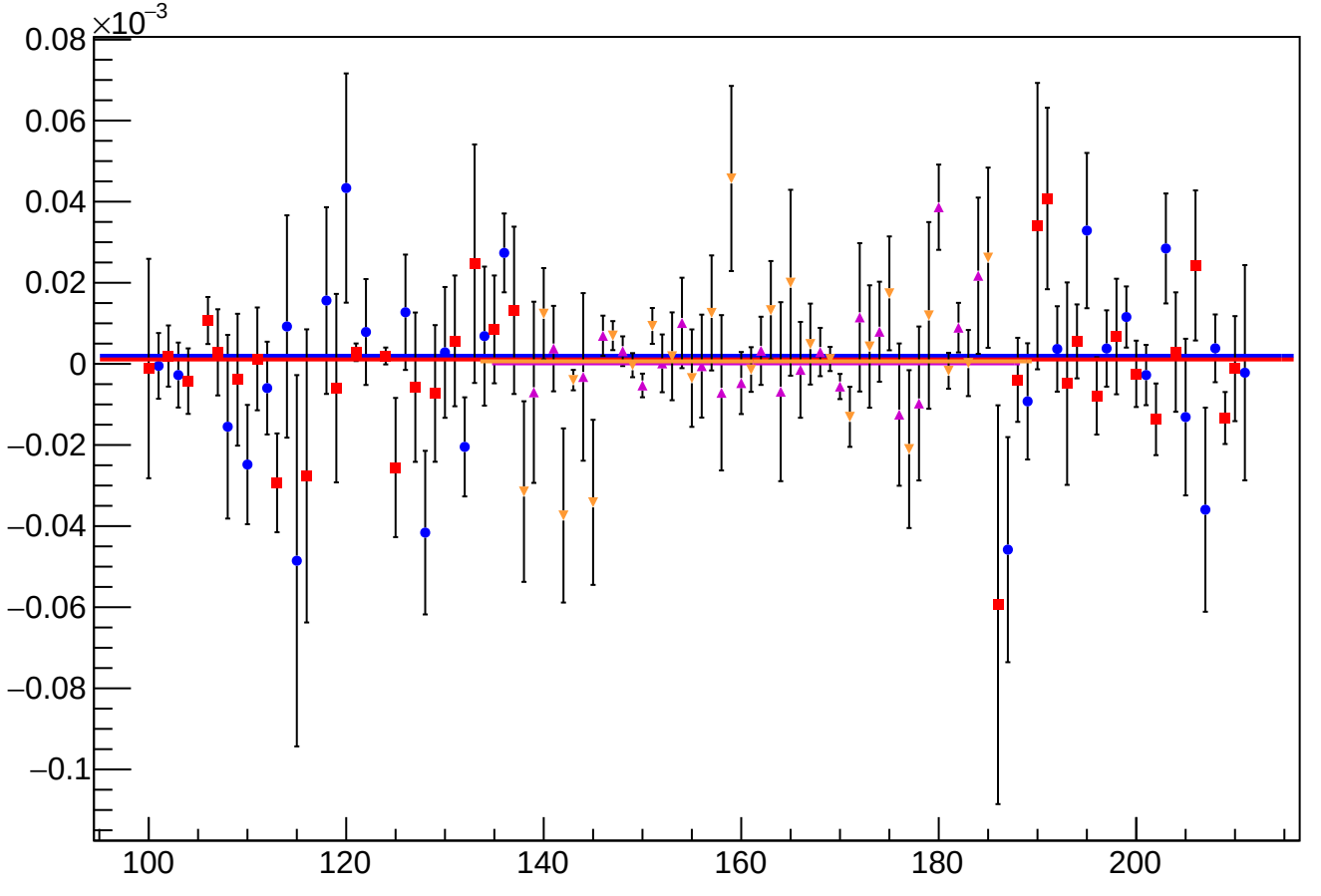
Right: 119.997+/-0.016 χ^2/NDF: 7005428.0/60

In: 152.172+/-0.021 χ^2/NDF:16343002.7/50

Out: 140.933+/-0.020 χ^2/NDF:21379532.8/57

All: 146.199+/-0.015 χ^2/NDF: 37869657.2/10

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/32

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

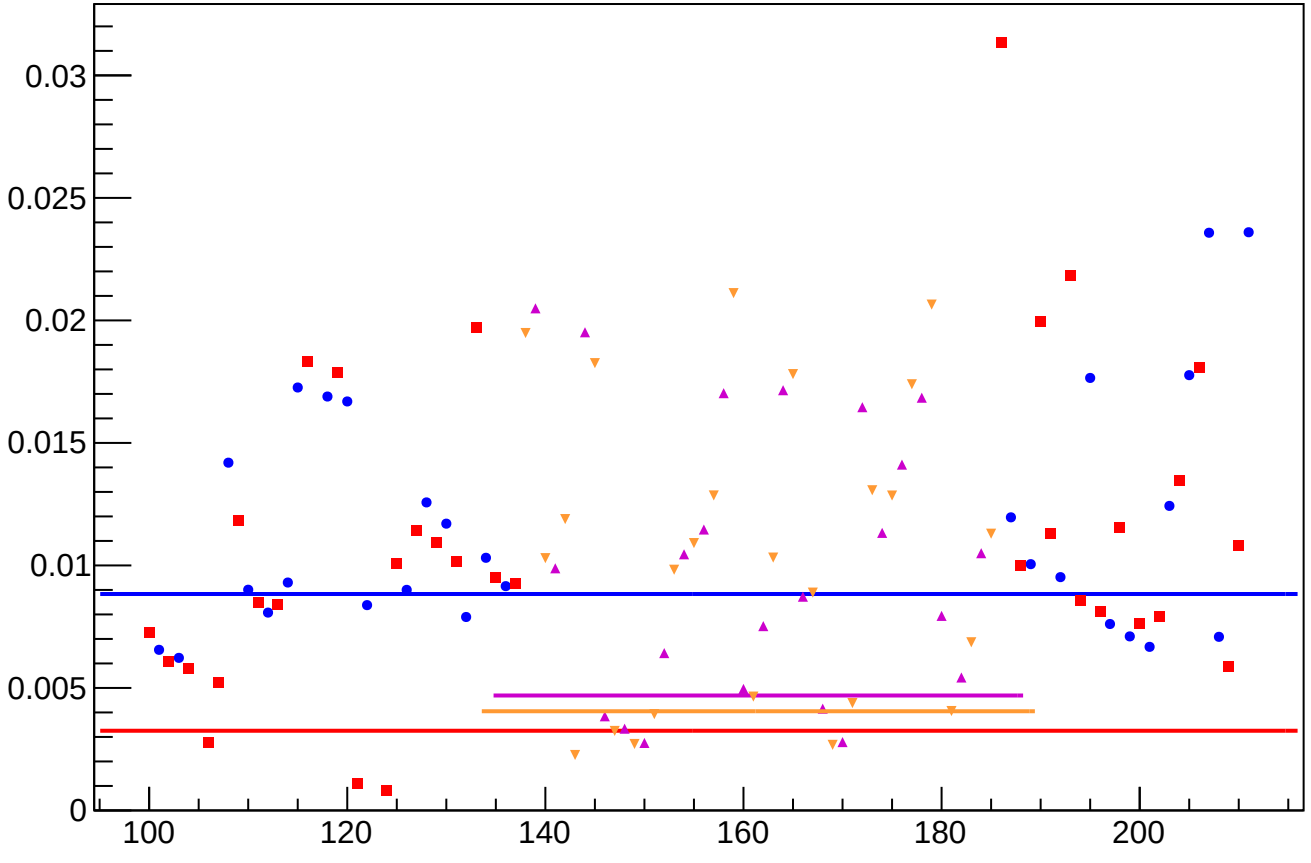
Right: 0.000+/-0.000 χ^2/NDF: 71.6/60

In: 0.000+/-0.000 χ^2/NDF:69.7/50

Out: 0.000+/-0.000 χ^2/NDF:66.8/57

All: 0.000+/-0.000 χ^2/NDF: 136.4/108

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3865380.2/27

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20027934.5/32

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

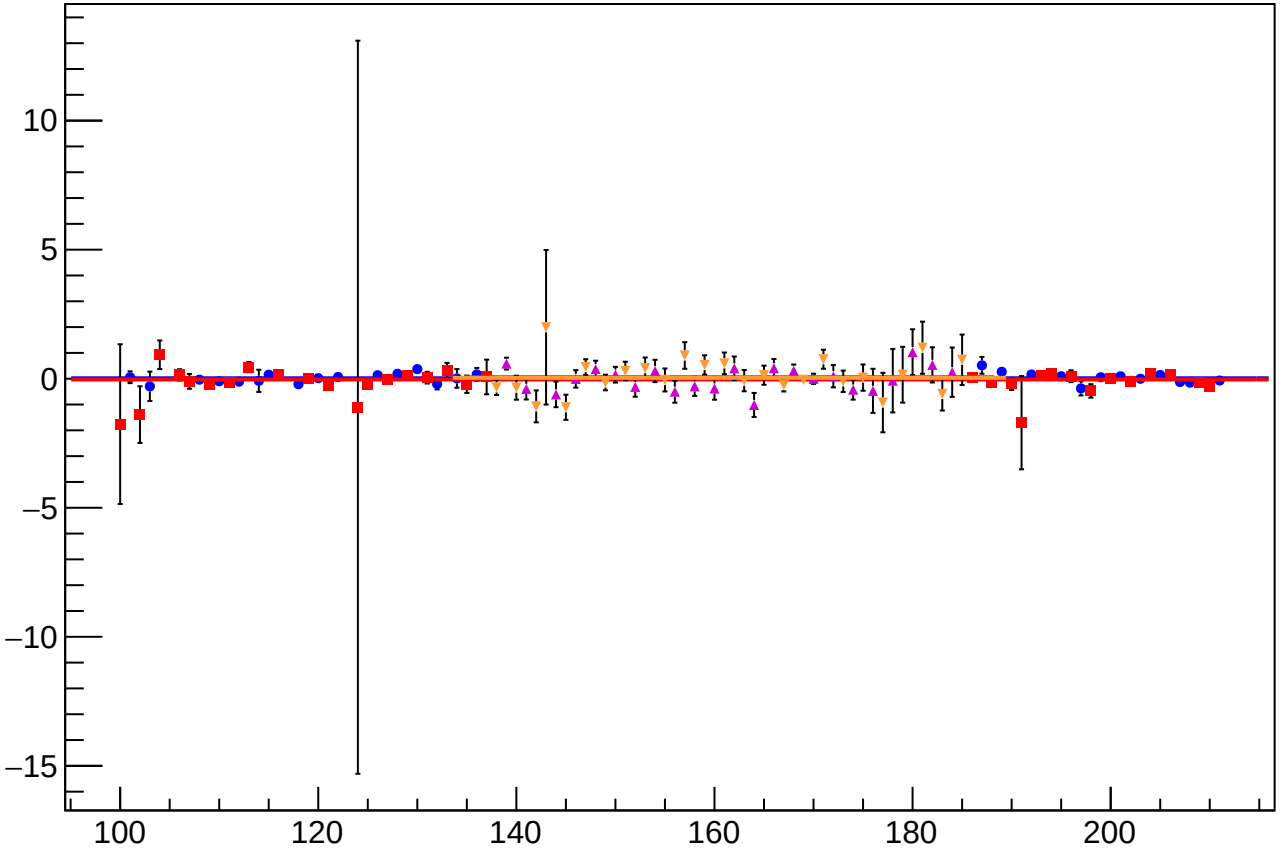
Right: 0.004+/-0.000 χ^2/NDF: 32652336.7/60

In: 0.006+/-0.000 χ^2/NDF:19256294.1/50

Out: 0.004+/-0.000 χ^2/NDF:34014111.4/57

All: 0.004+/-0.000 χ^2/NDF: 57321148.1/108

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.030 χ^2/NDF: 40.8/32

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

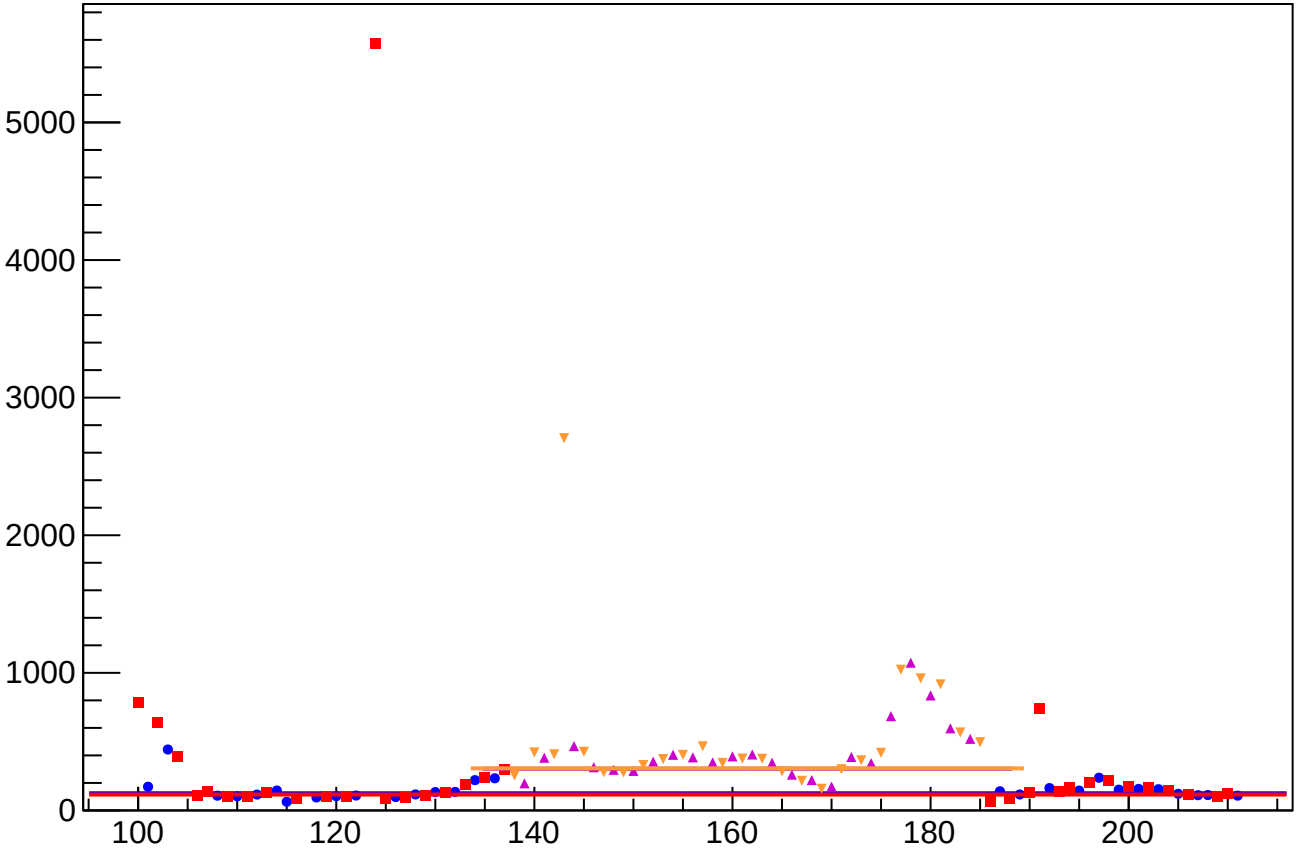
Right: -0.008+/-0.022 χ^2/NDF: 66.4/60

In: 0.023+/-0.030 χ^2/NDF:50.8/50

Out: -0.021+/-0.028 χ^2/NDF:71.8/57

All: -0.001+/-0.021 χ^2/NDF: 123.8/108

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 124.944+/-0.023 χ^2/NDF: 2511252.1/27

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 115.738+/-0.022 χ^2/NDF: 4409380.2/32

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

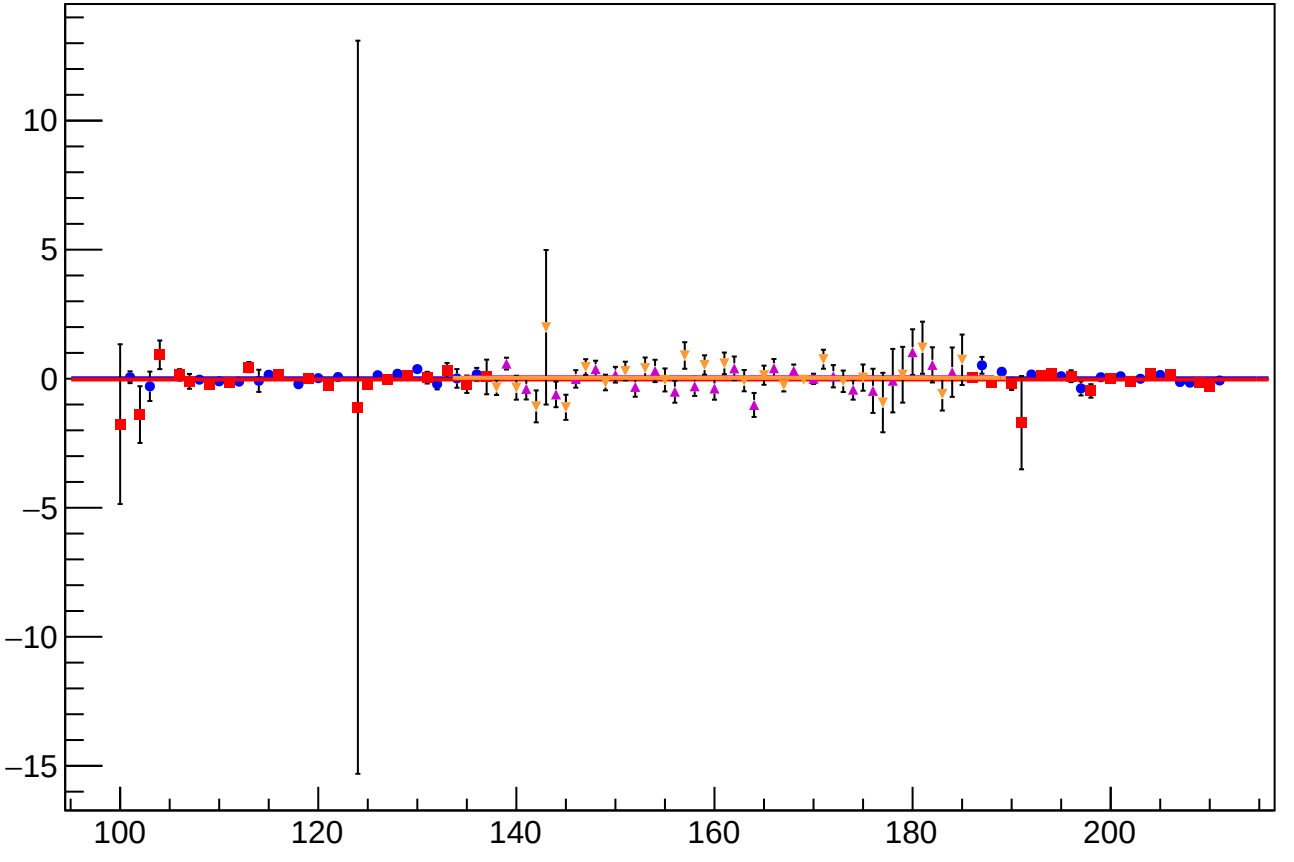
Right: 119.998+/-0.016 χ^2/NDF: 7005212.6/60

In: 152.173+/-0.021 χ^2/NDF:16342953.3/50

Out: 140.934+/-0.020 χ^2/NDF:21379380.6/57

All: 146.201+/-0.015 χ^2/NDF: 37869461.1/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.033 χ^2/NDF: 24.5/27

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.030 χ^2/NDF: 40.8/32

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

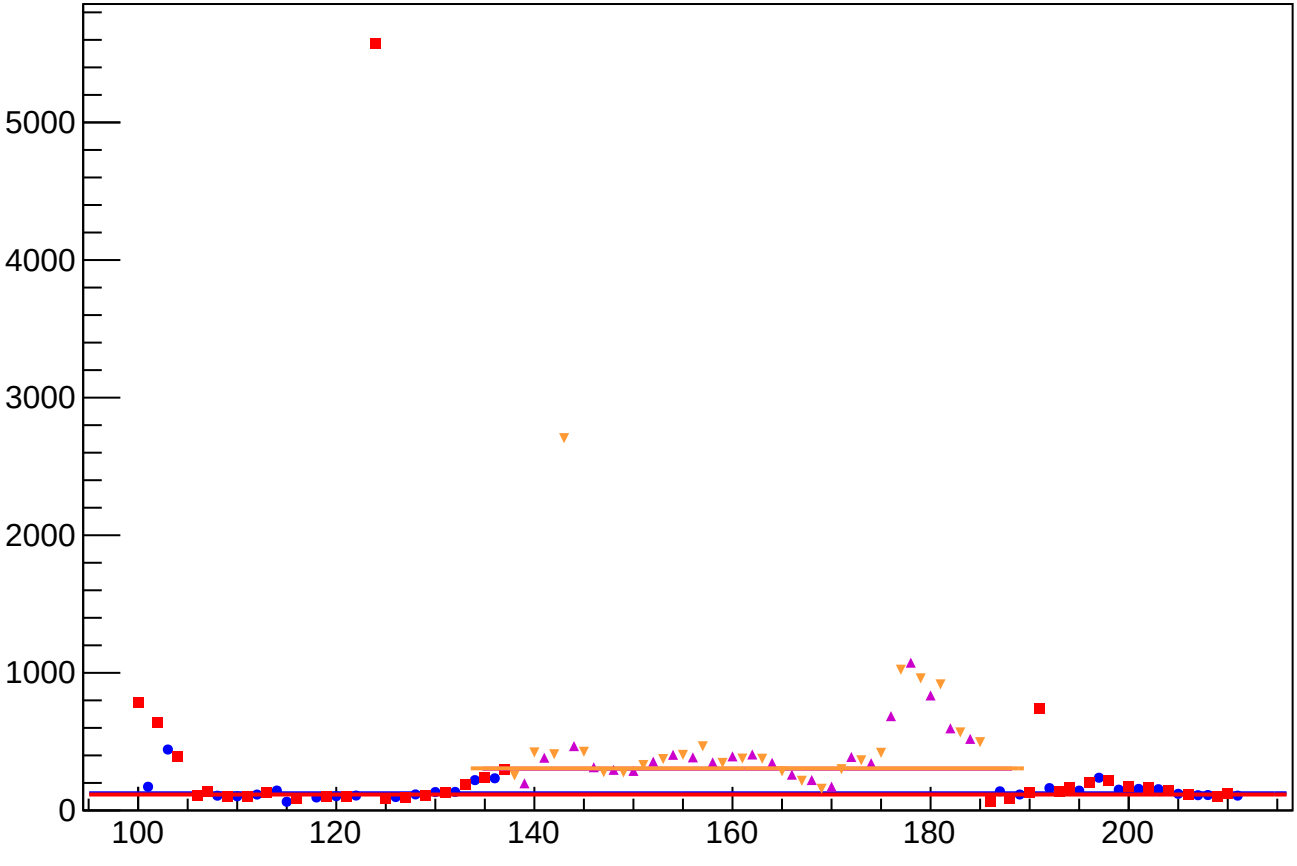
Right: -0.008+/-0.022 χ^2/NDF: 66.4/60

In: 0.023+/-0.030 χ^2/NDF:50.8/50

Out: -0.021+/-0.028 χ^2/NDF:71.8/57

All: -0.001+/-0.021 χ^2/NDF: 123.8/108

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 124.944+/-0.023 χ^2/NDF: 2511252.1/27

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 115.738+/-0.022 χ^2/NDF: 4409380.2/32

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

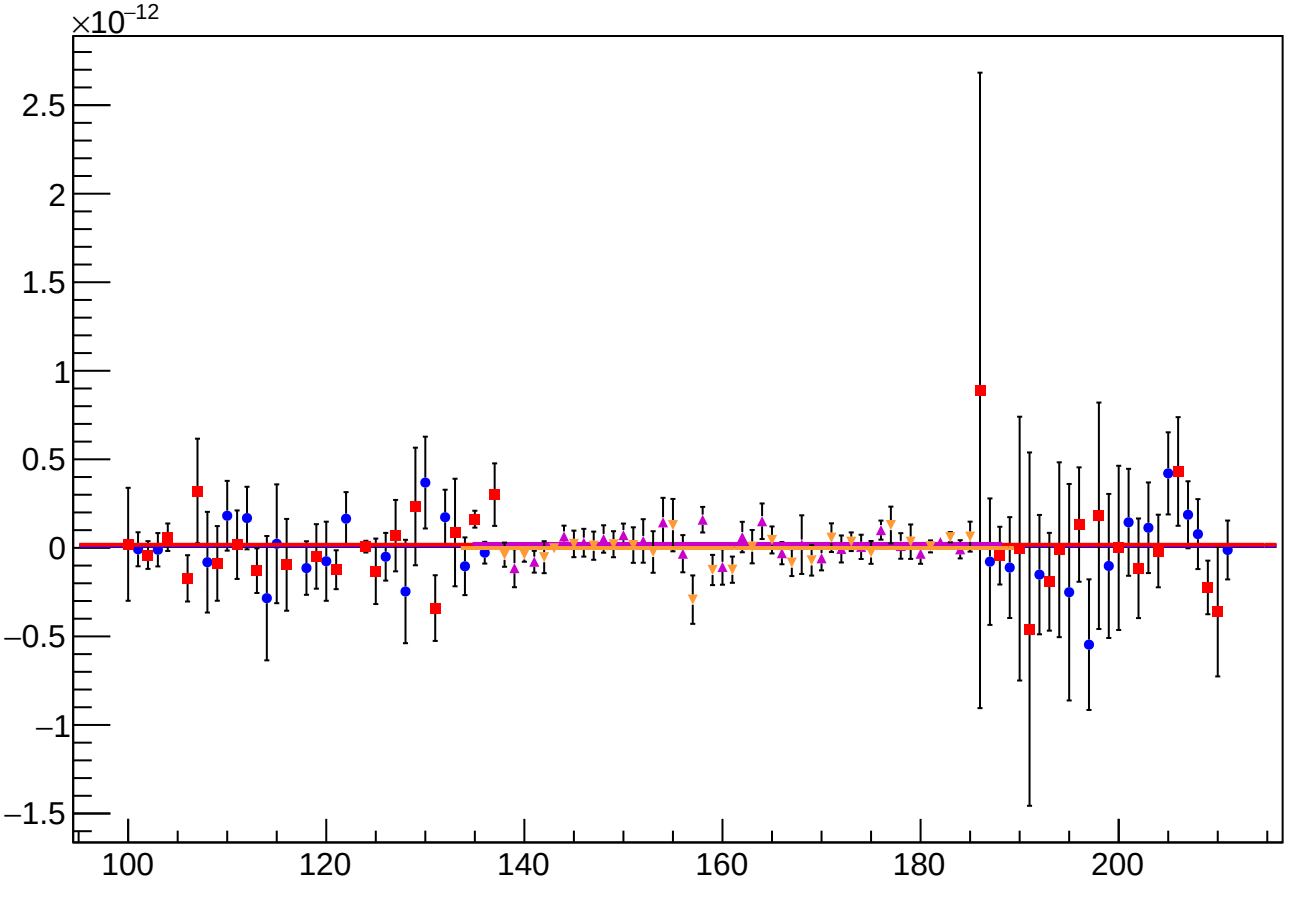
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 119.998+/-0.016 χ^2/NDF: 7005212.6/60

In: 152.173+/-0.021 χ^2/NDF:16342953.3/50

Out: 140.934+/-0.020 χ^2/NDF:21379380.6/57

All: 146.201+/-0.015 χ^2/NDF: 37869461.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/32

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

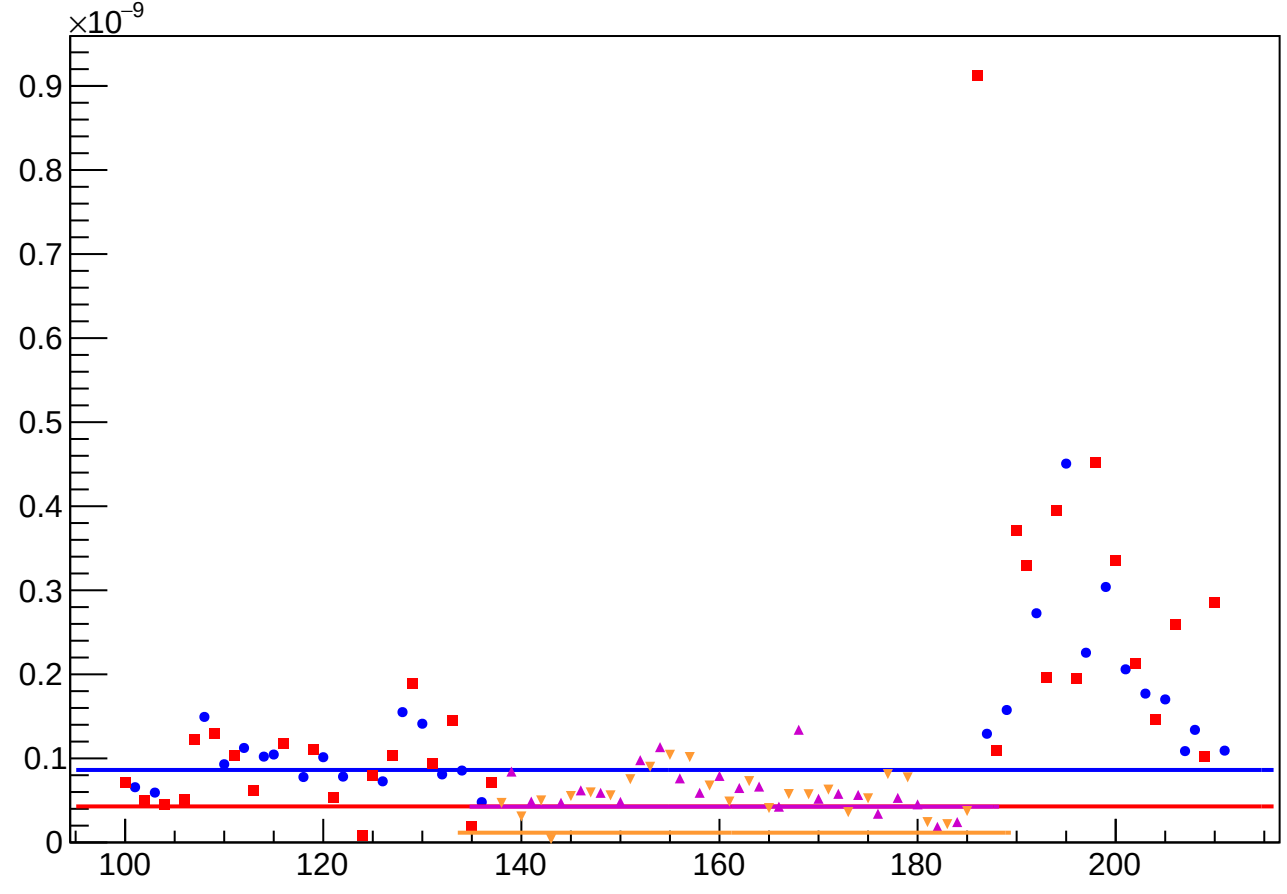
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.1/60

In: 0.000+/-0.000 χ^2/NDF:36.3/50

Out: 0.000+/-0.000 χ^2/NDF:54.1/57

All: 0.000+/-0.000 χ^2/NDF: 92.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 4779879.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13394322.9/32

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

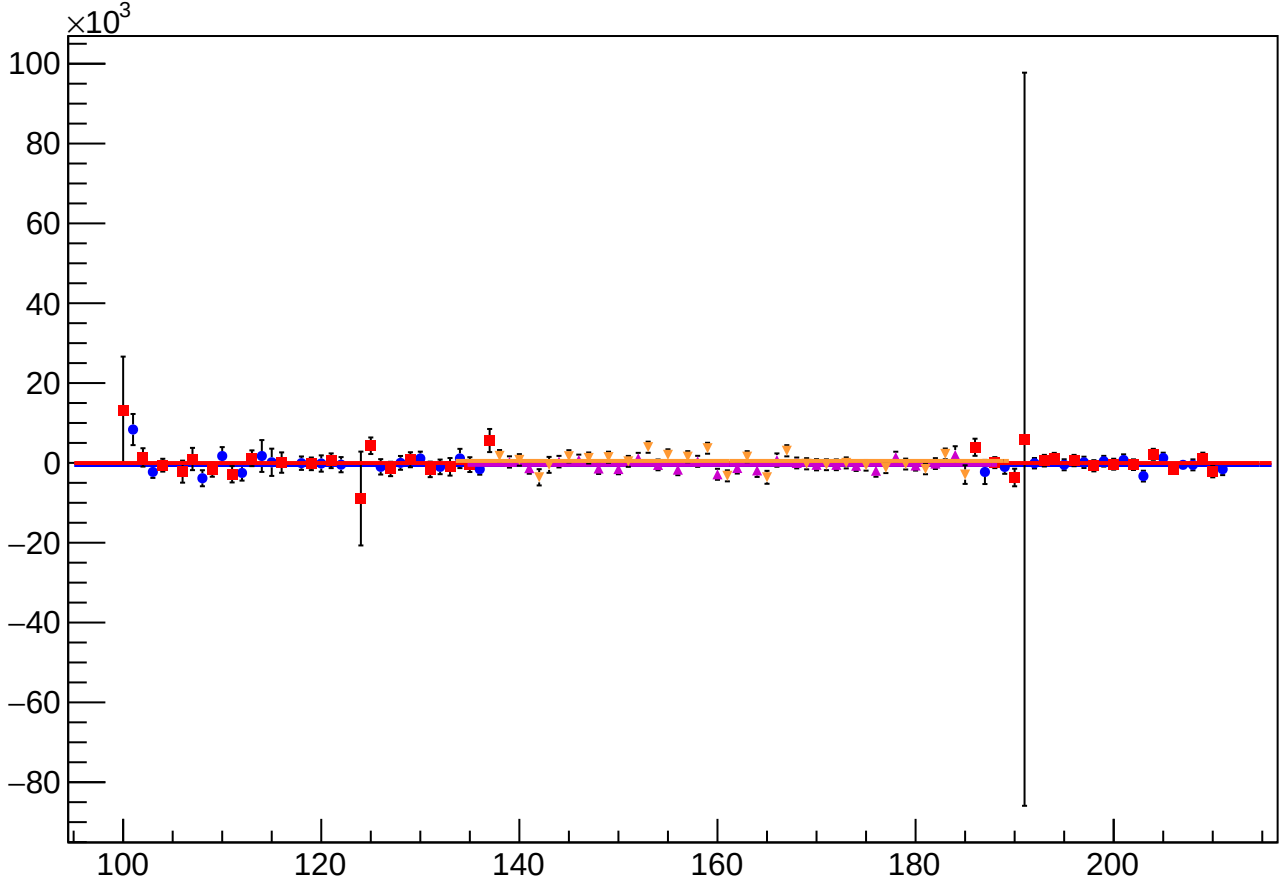
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 20841032.5/60

In: 0.000+/-0.000 χ^2/NDF:13511005.7/50

Out: 0.000+/-0.000 χ^2/NDF:35437722.5/57

All: 0.000+/-0.000 χ^2/NDF: 62688360.3/108



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -37.024+/-308.298 χ^2/NDF: 31.1/32

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

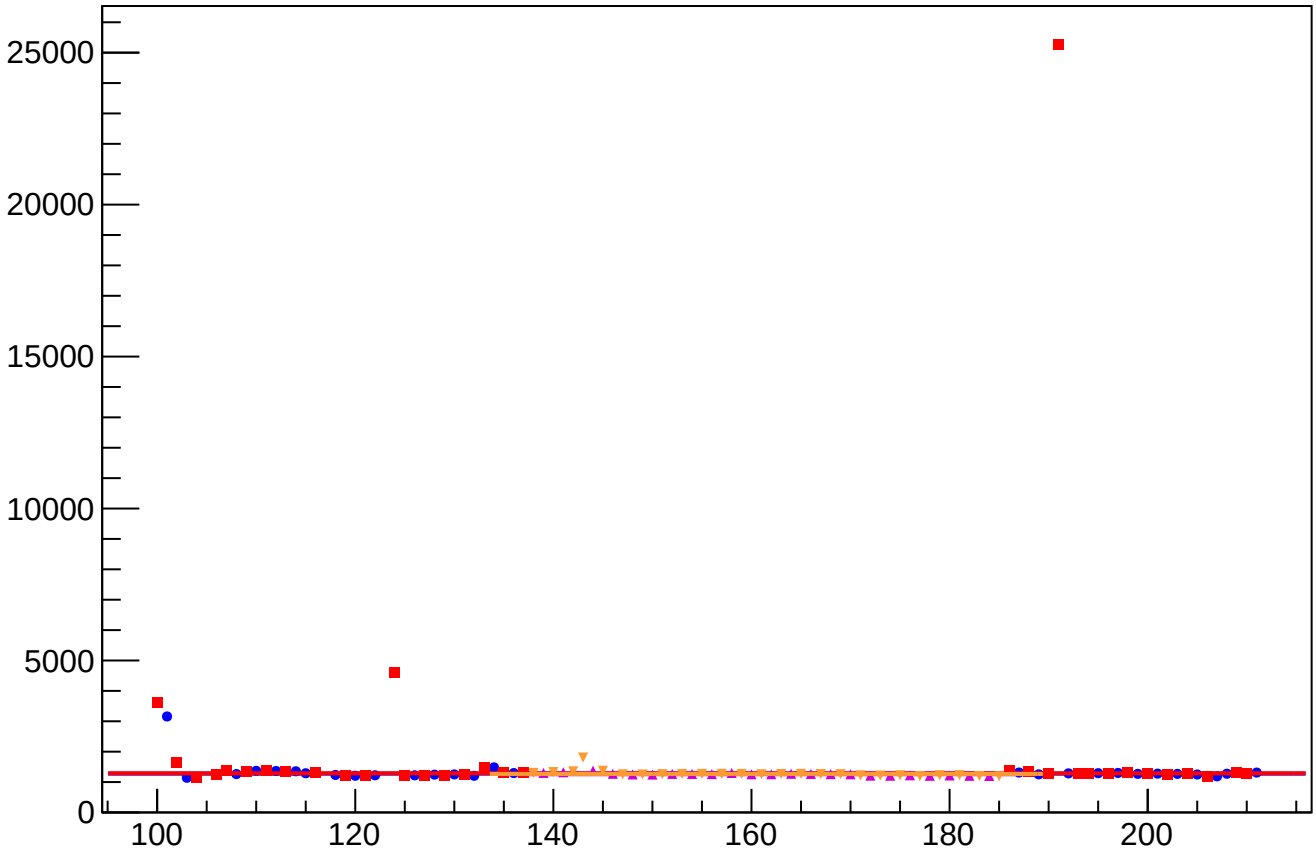
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -277.402+/-220.683 χ^2/NDF: 54.8/60

In: -506.831+/-215.166 χ^2/NDF:36.9/50

Out: 245.056+/-210.650 χ^2/NDF:79.6/57

All: -122.914+/-150.523 χ^2/NDF: 122.7/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

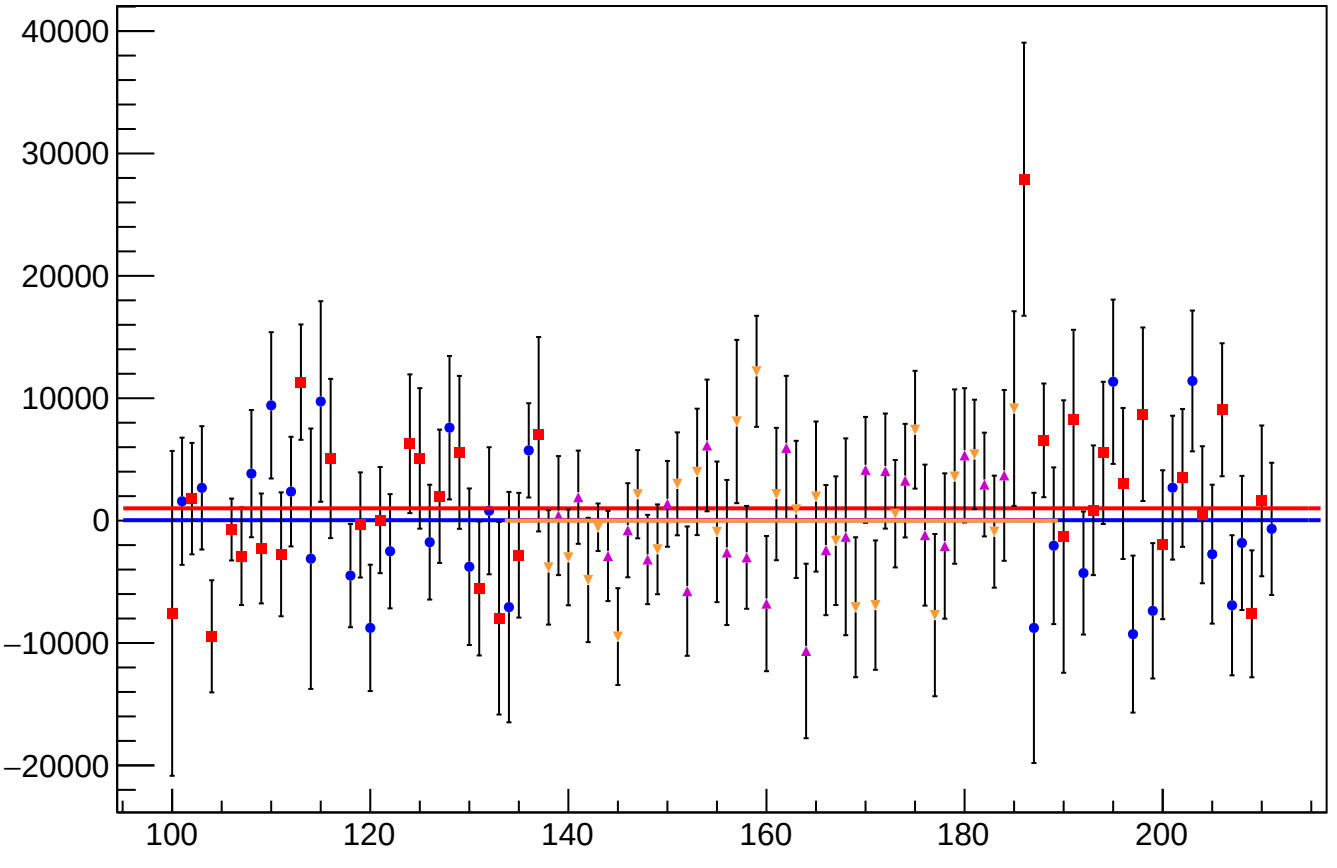
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.421+/-0.156 χ^2/NDF: 1013329.8/60

In: 1266.959+/-0.152 χ^2/NDF:570694.5/50

Out: 1277.132+/-0.149 χ^2/NDF:675520.9/57

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10



Right In: 35.422+/-1048.859 χ^2/NDF: 28.6/27

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1004.039+/-916.512 χ^2/NDF: 34.9/32

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

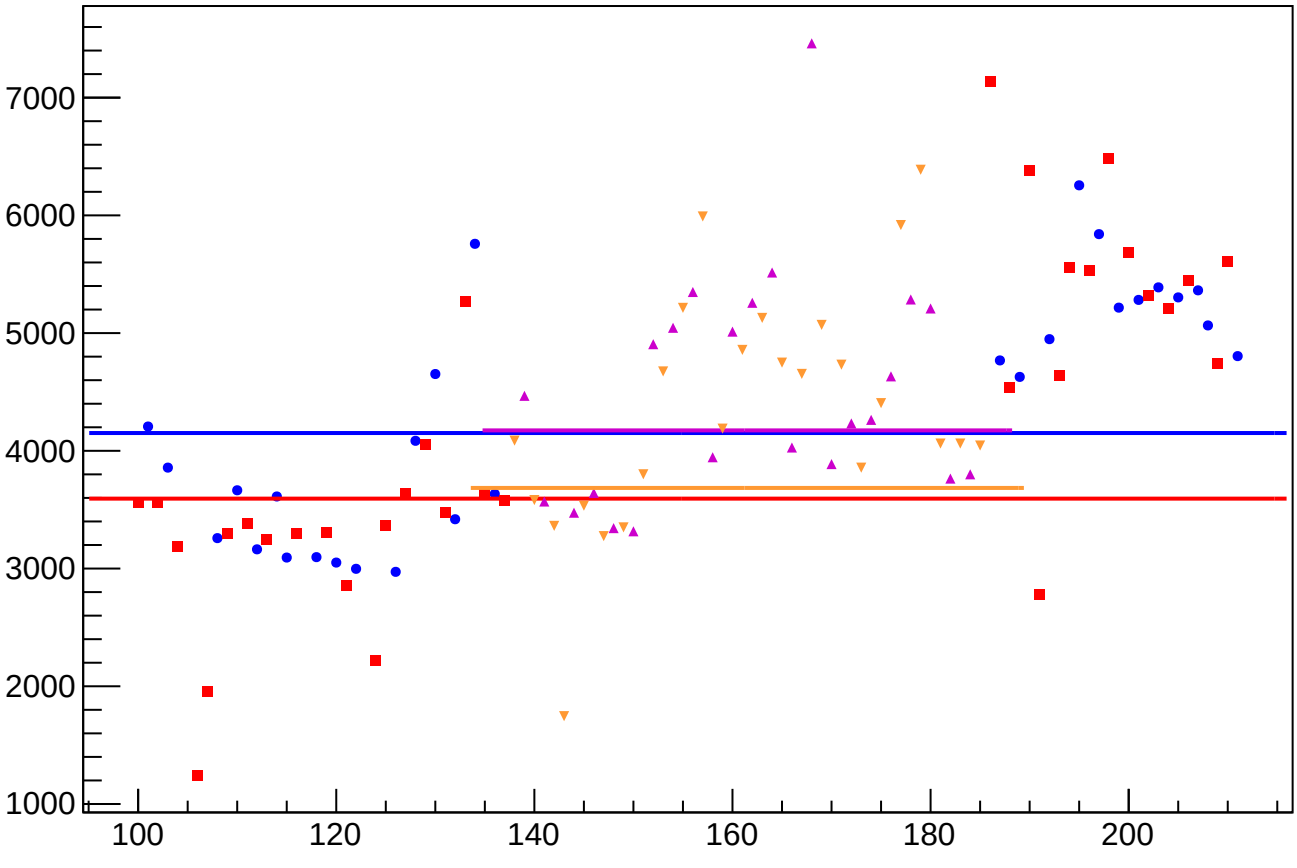
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 584.663+/-690.150 χ^2/NDF: 64.0/60

In: 33.407+/-721.994 χ^2/NDF:42.6/50

Out: 484.993+/-637.192 χ^2/NDF:64.6/57

All: 287.266+/-477.745 χ^2/NDF: 107.4/108



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

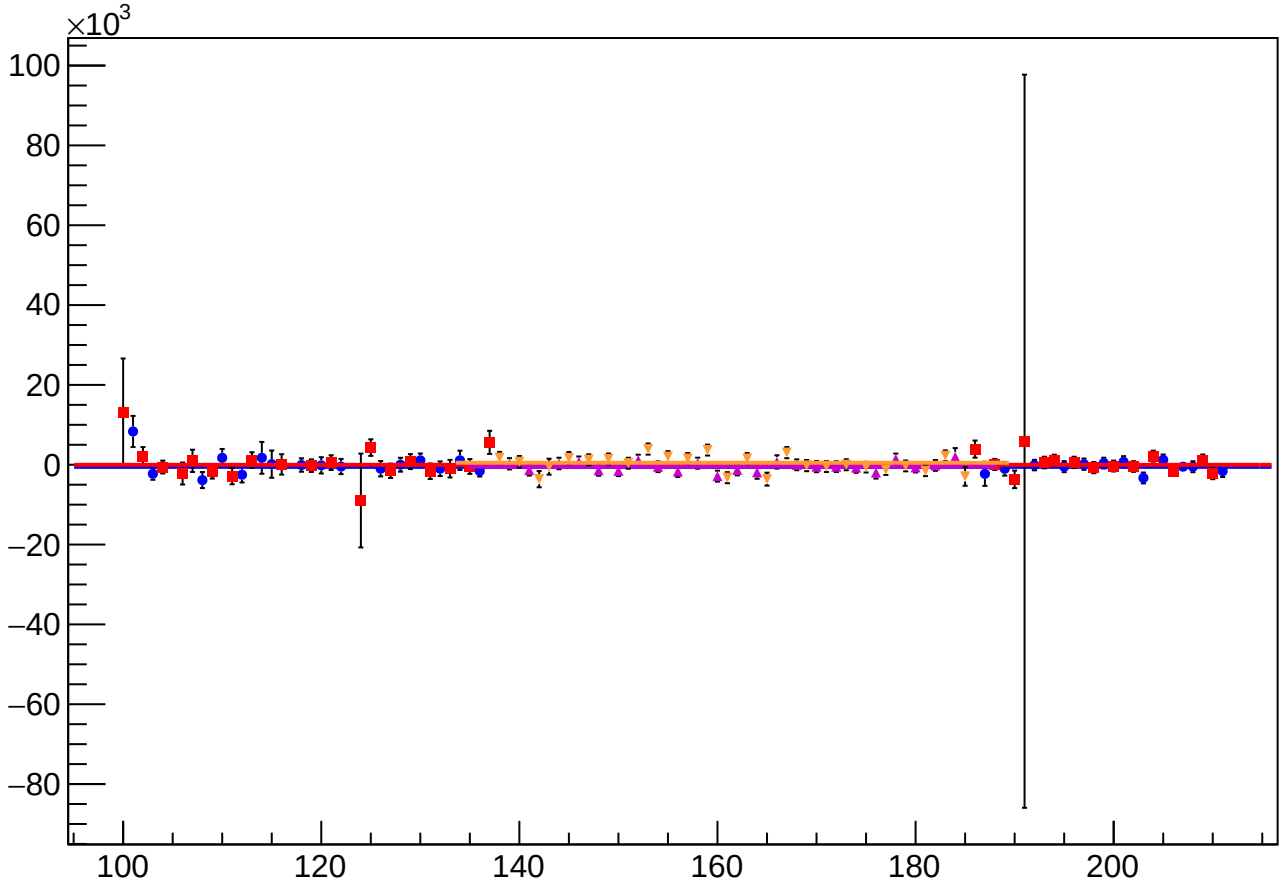
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3835.173+/-0.488 χ^2/NDF: 6853971.1/60

In: 4162.939+/-0.511 χ^2/NDF:3001970.1/50

Out: 3640.850+/-0.451 χ^2/NDF:8511145.8/57

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

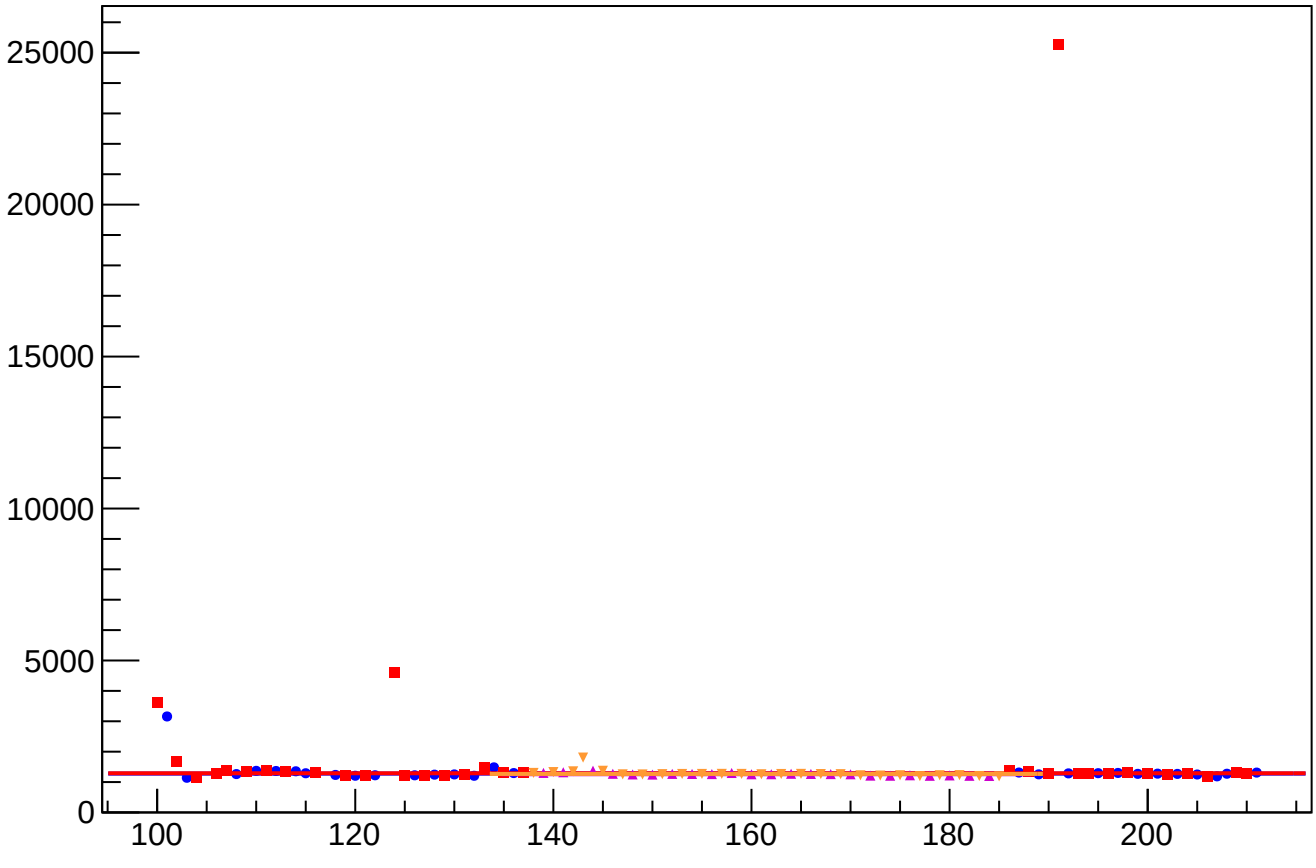
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

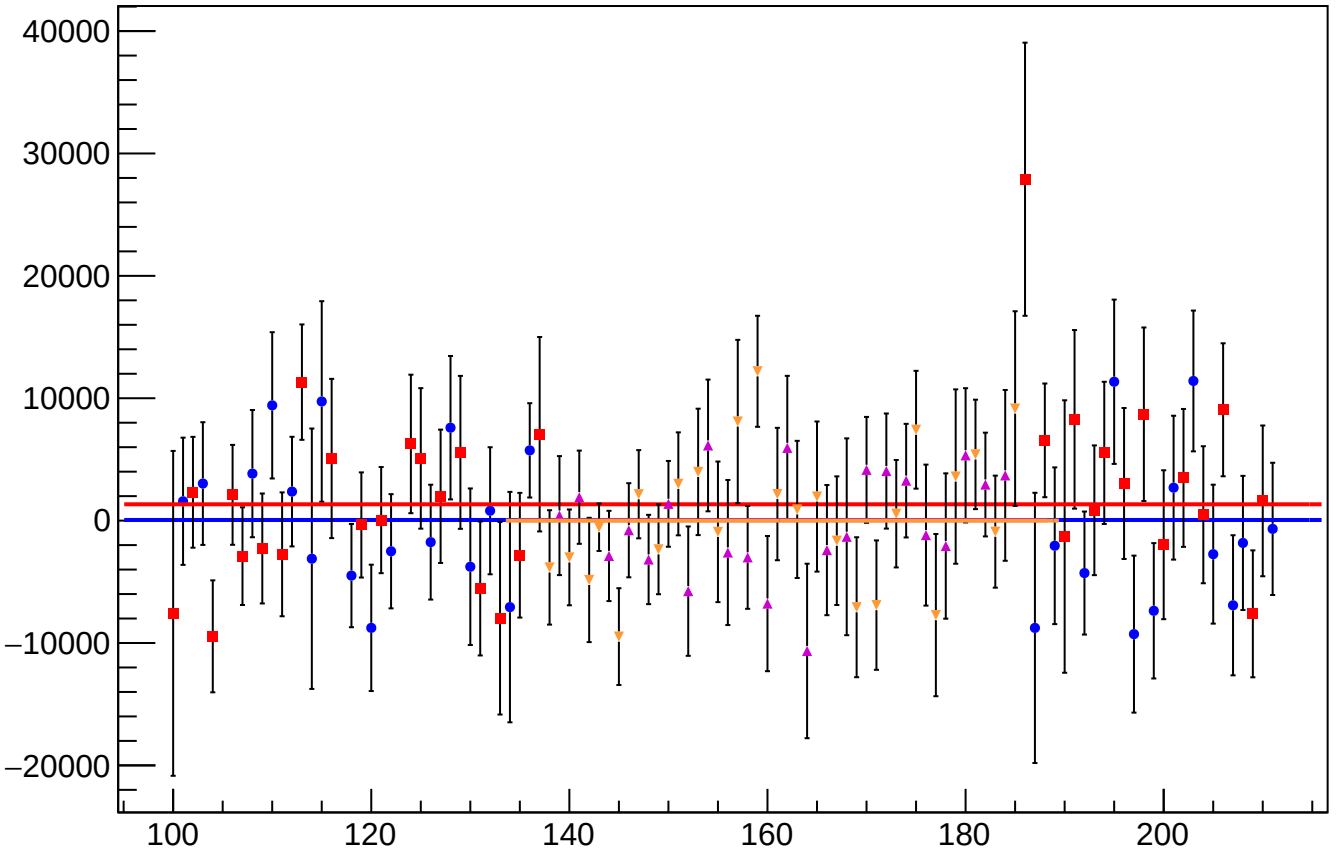
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

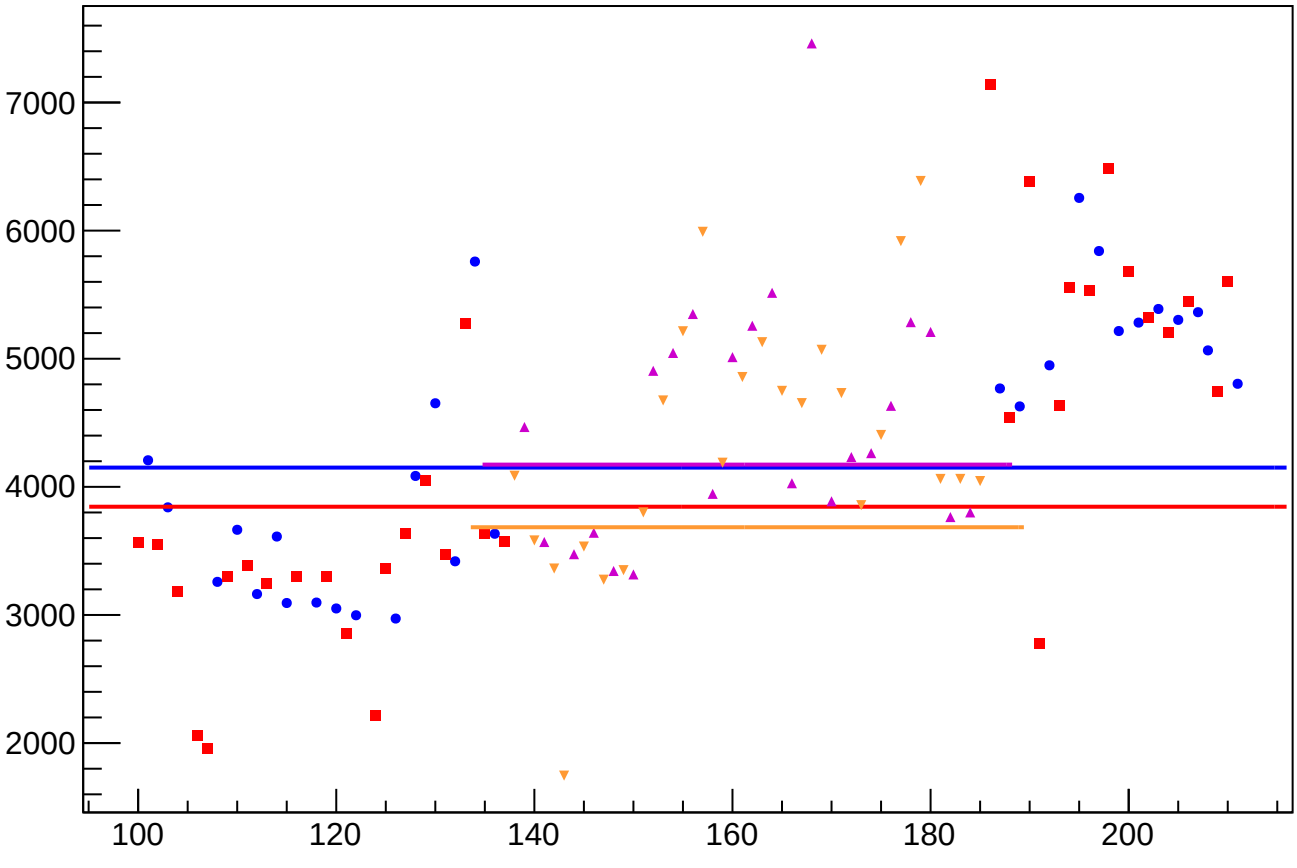
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 752.308+/-706.368 χ^2/NDF: 64.0/60

In: 41.209+/-721.920 χ^2/NDF:42.7/50

Out: 616.698+/-649.943 χ^2/NDF:64.6/57

All: 359.065+/-483.027 χ^2/NDF: 107.6/108



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

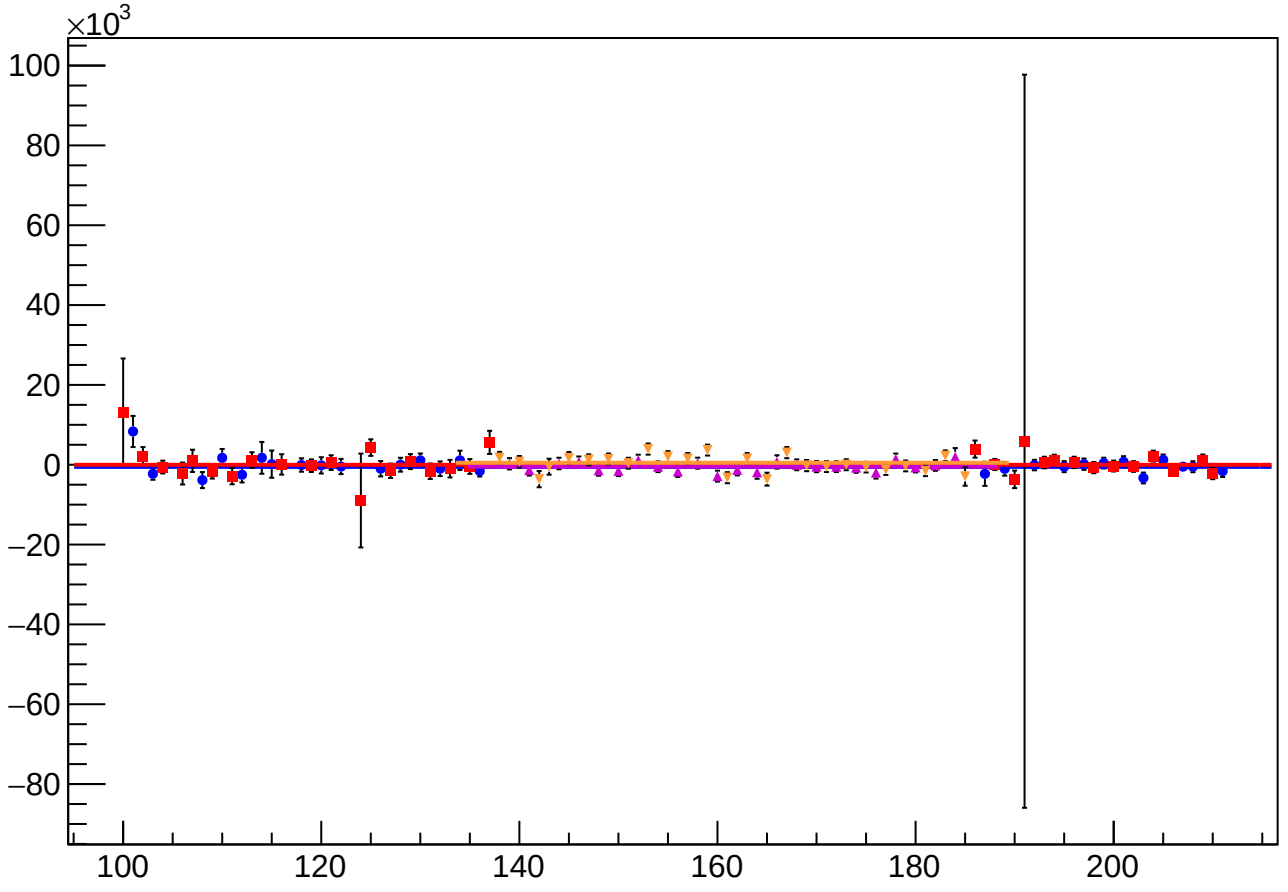
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3983.466+/-0.499 χ^2/NDF: 5042179.4/60

In: 4162.531+/-0.510 χ^2/NDF:3002926.3/50

Out: 3758.813+/-0.460 χ^2/NDF:6945928.1/57

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

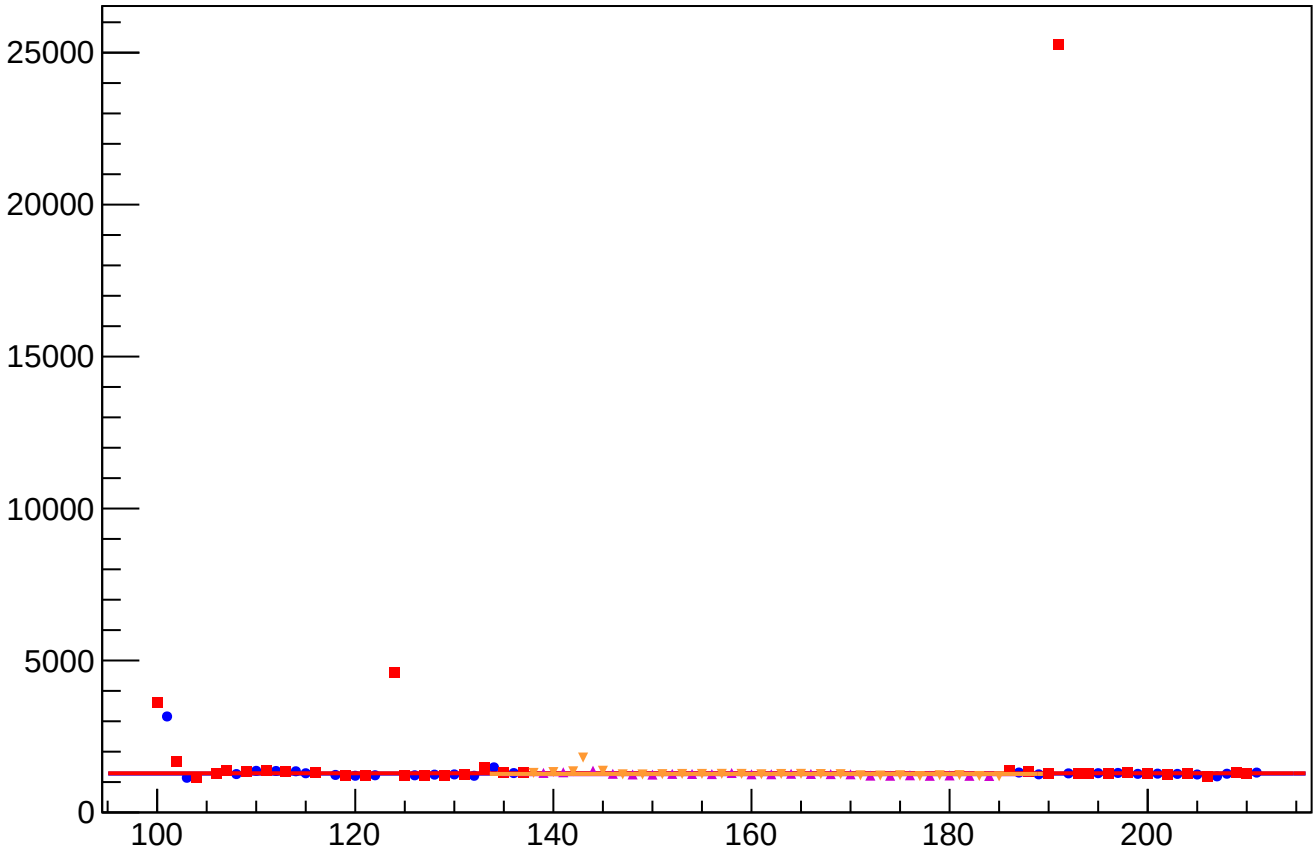
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

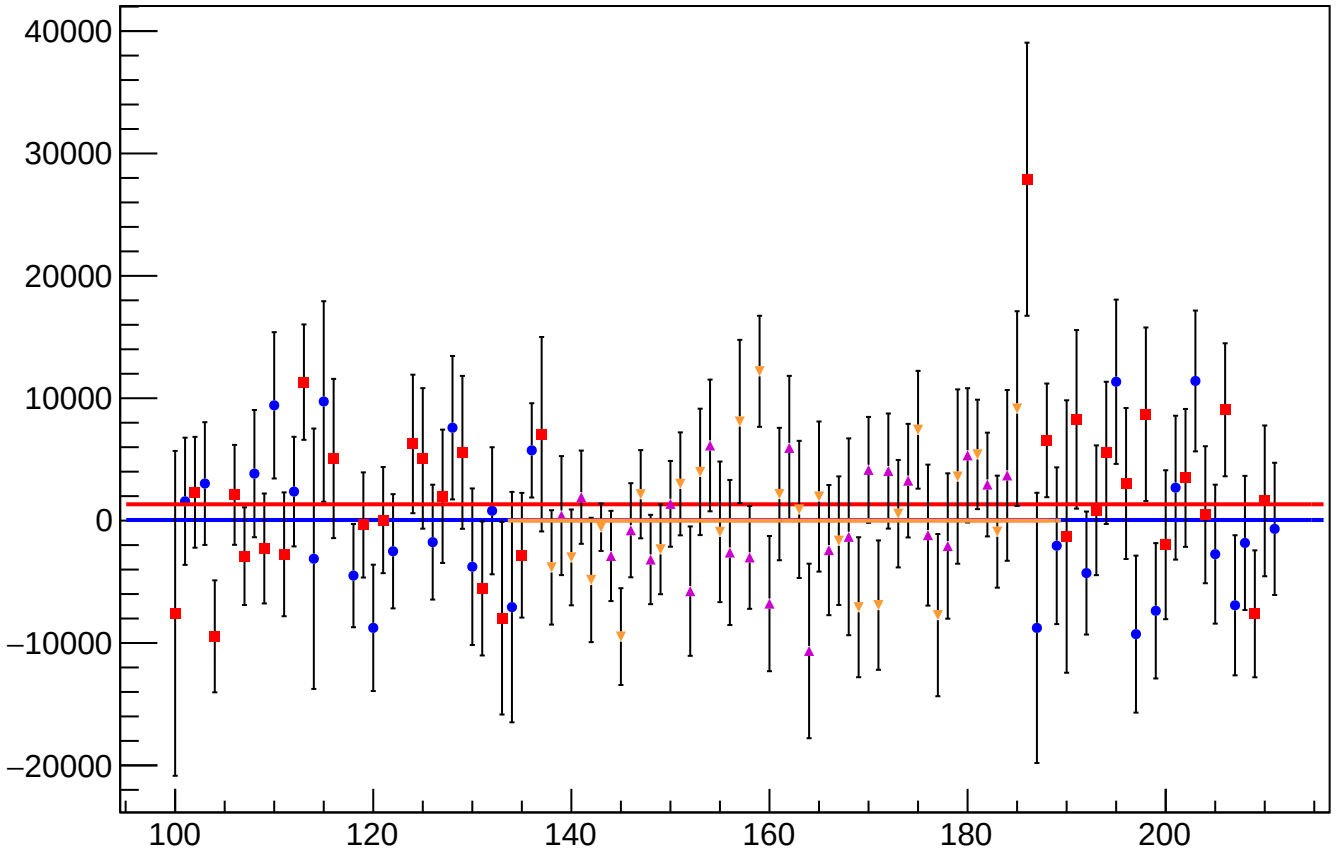
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

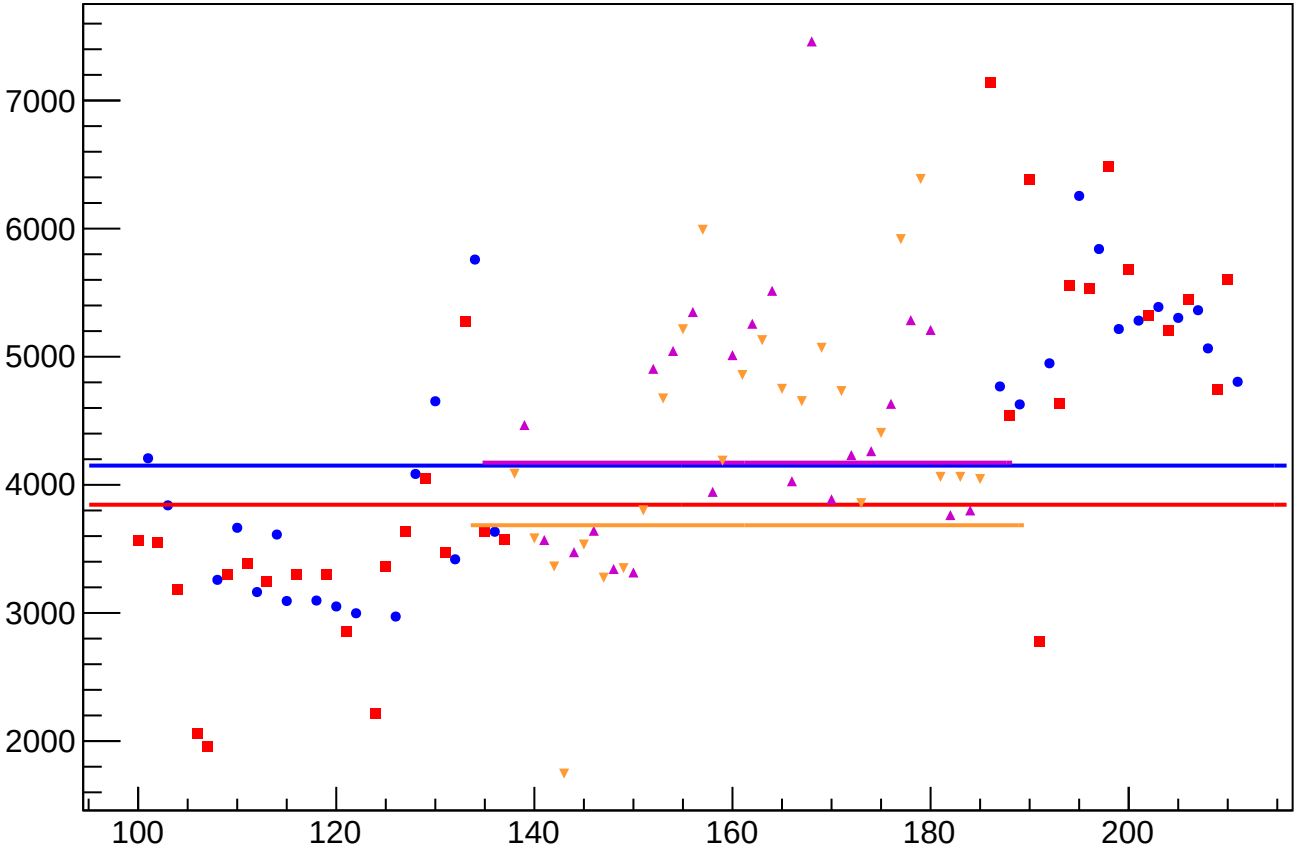
Right: 752.308+/-706.368 χ^2/NDF: 64.0/60

In: 41.209+/-721.920 χ^2/NDF:42.7/50

Out: 616.698+/-649.943 χ^2/NDF:64.6/57

All: 359.065+/-483.027 χ^2/NDF: 107.6/108

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

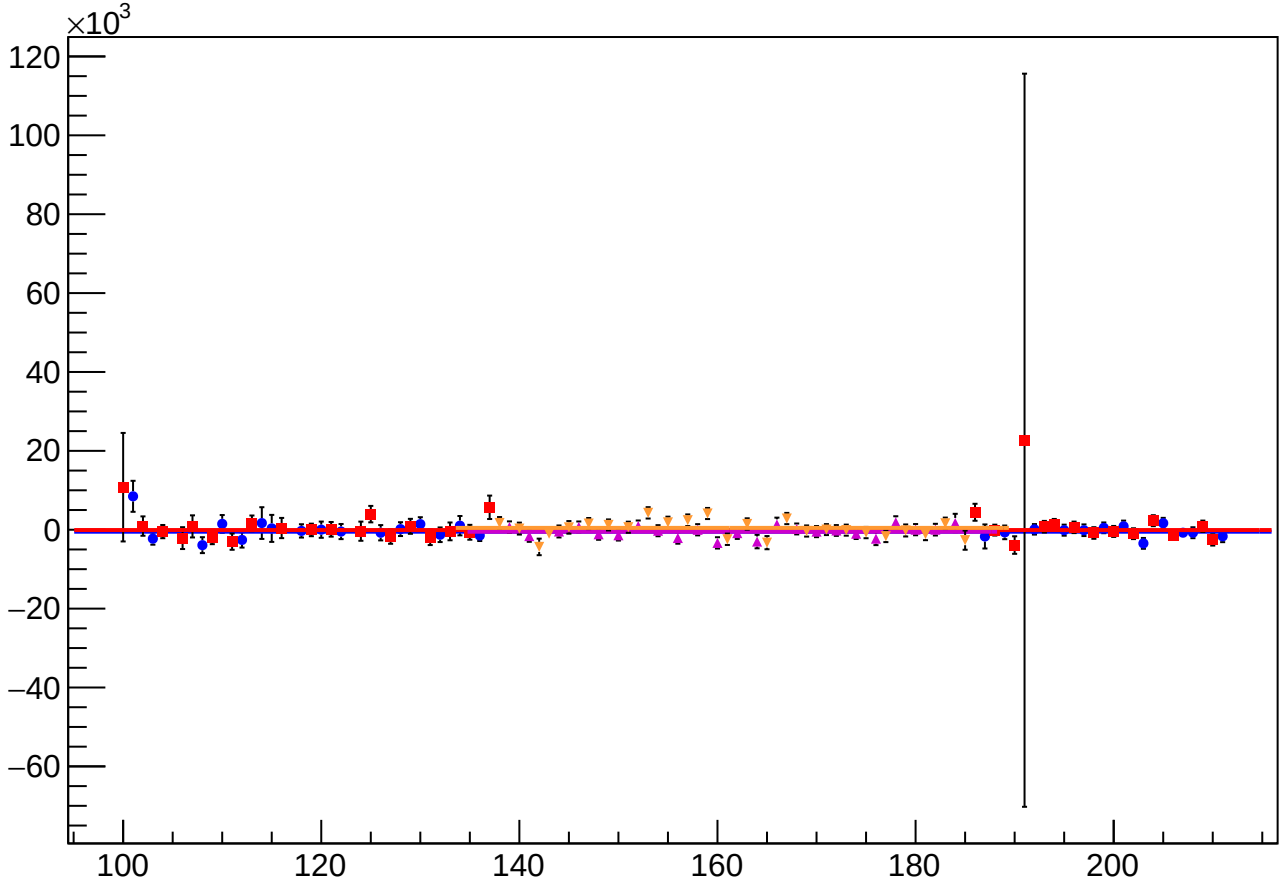
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3983.466+/-0.499 χ^2/NDF: 5042179.4/60

In: 4162.531+/-0.510 χ^2/NDF:3002926.3/50

Out: 3758.813+/-0.460 χ^2/NDF:6945928.1/57

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.986+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

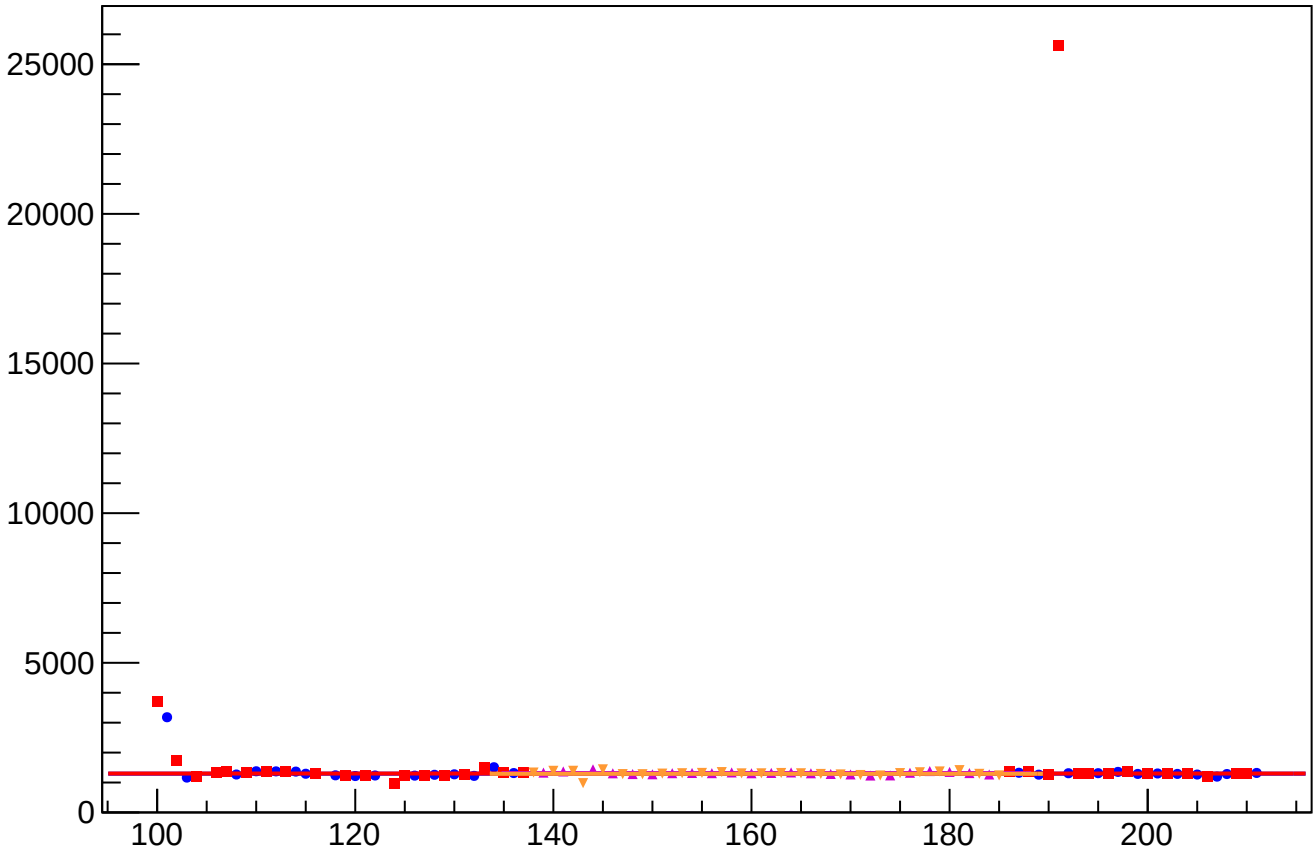
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.077+/-221.669 χ^2/NDF:41.3/50

Out: 209.327+/-213.648 χ^2/NDF:78.4/57

All: -131.827+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

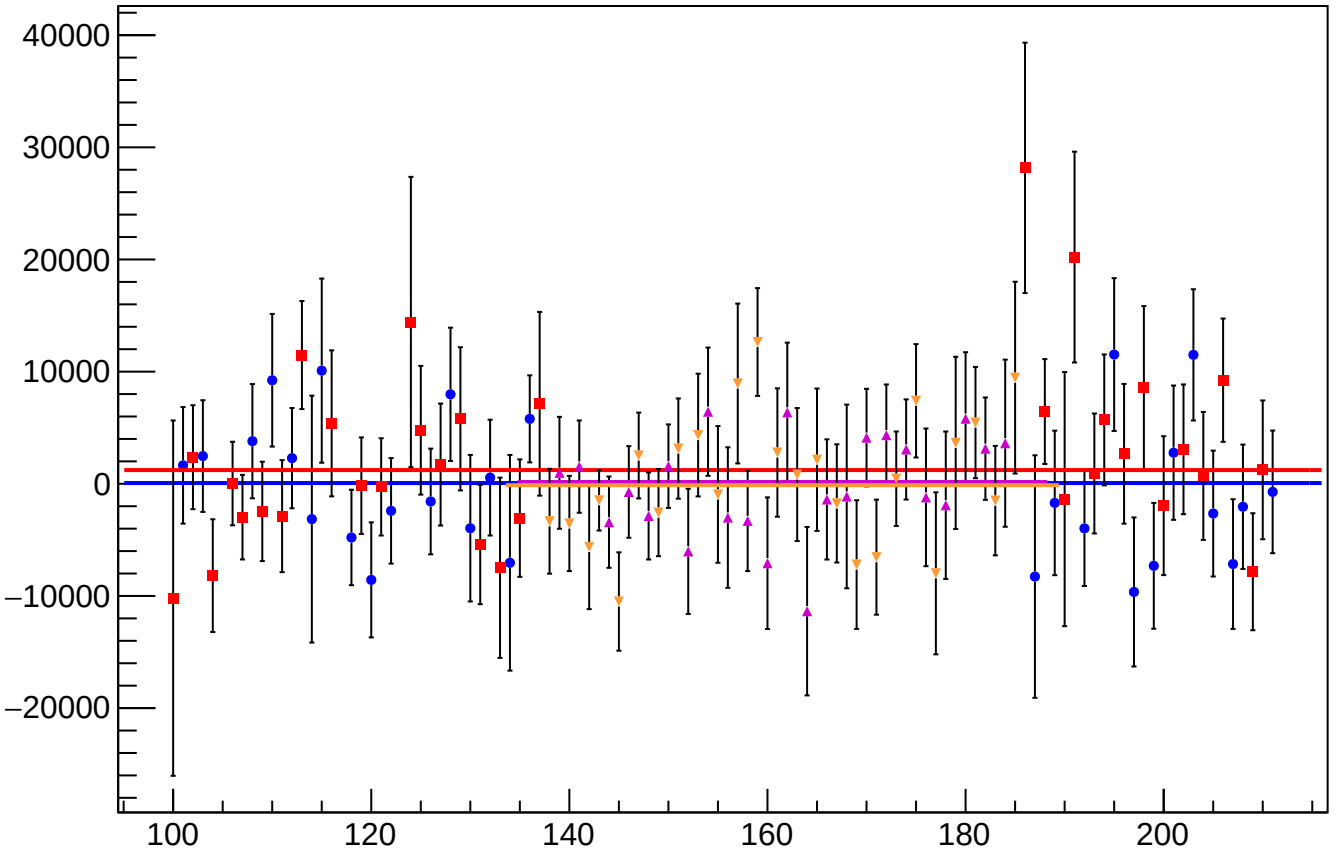
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.928+/-0.158 χ^2/NDF: 908106.4/60

In: 1304.976+/-0.157 χ^2/NDF:576199.9/50

Out: 1295.624+/-0.151 χ^2/NDF:609957.2/57

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

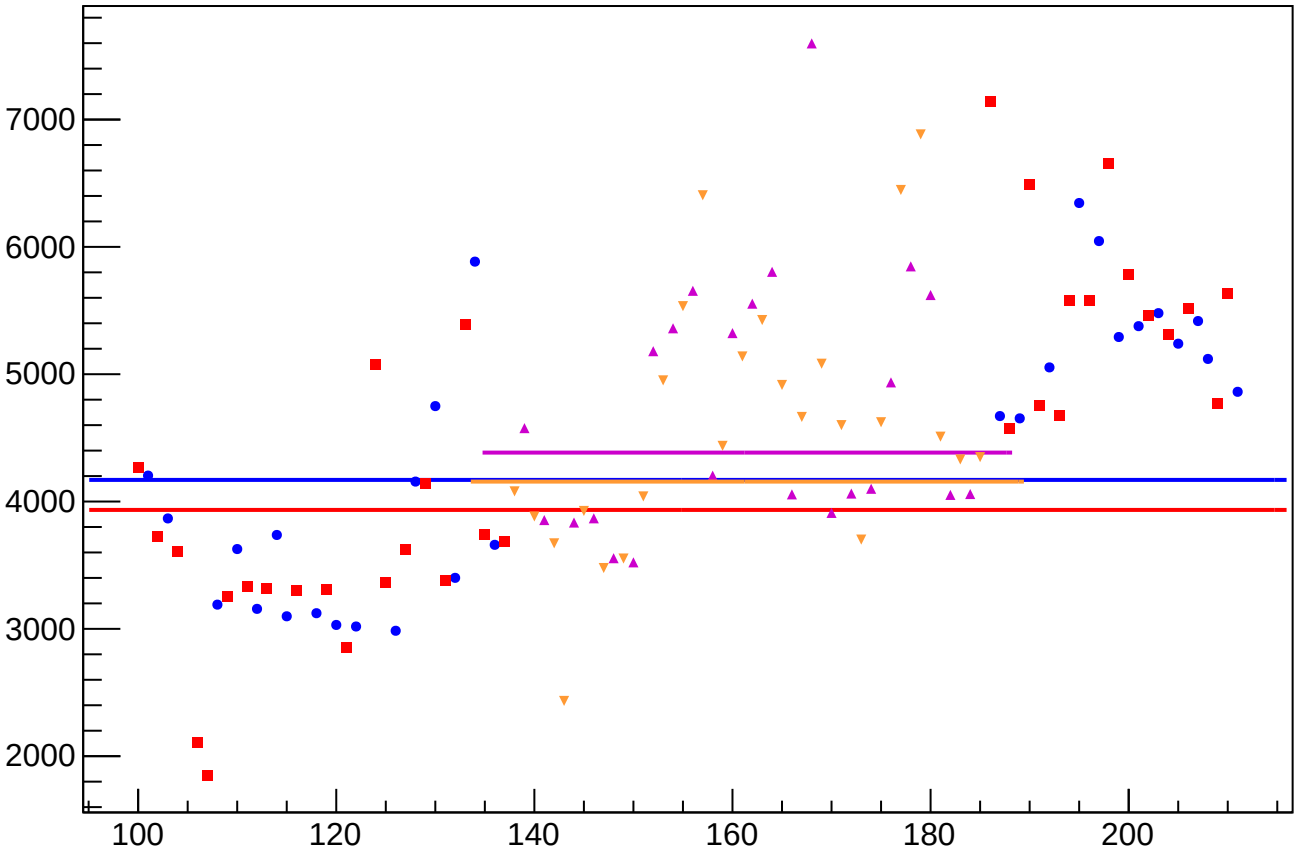
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 692.476+/-714.701 χ^2/NDF: 65.3/60

In: 113.996+/-742.534 χ^2/NDF:42.3/50

Out: 551.531+/-689.083 χ^2/NDF:65.7/57

All: 349.076+/-505.095 χ^2/NDF: 108.2/108



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

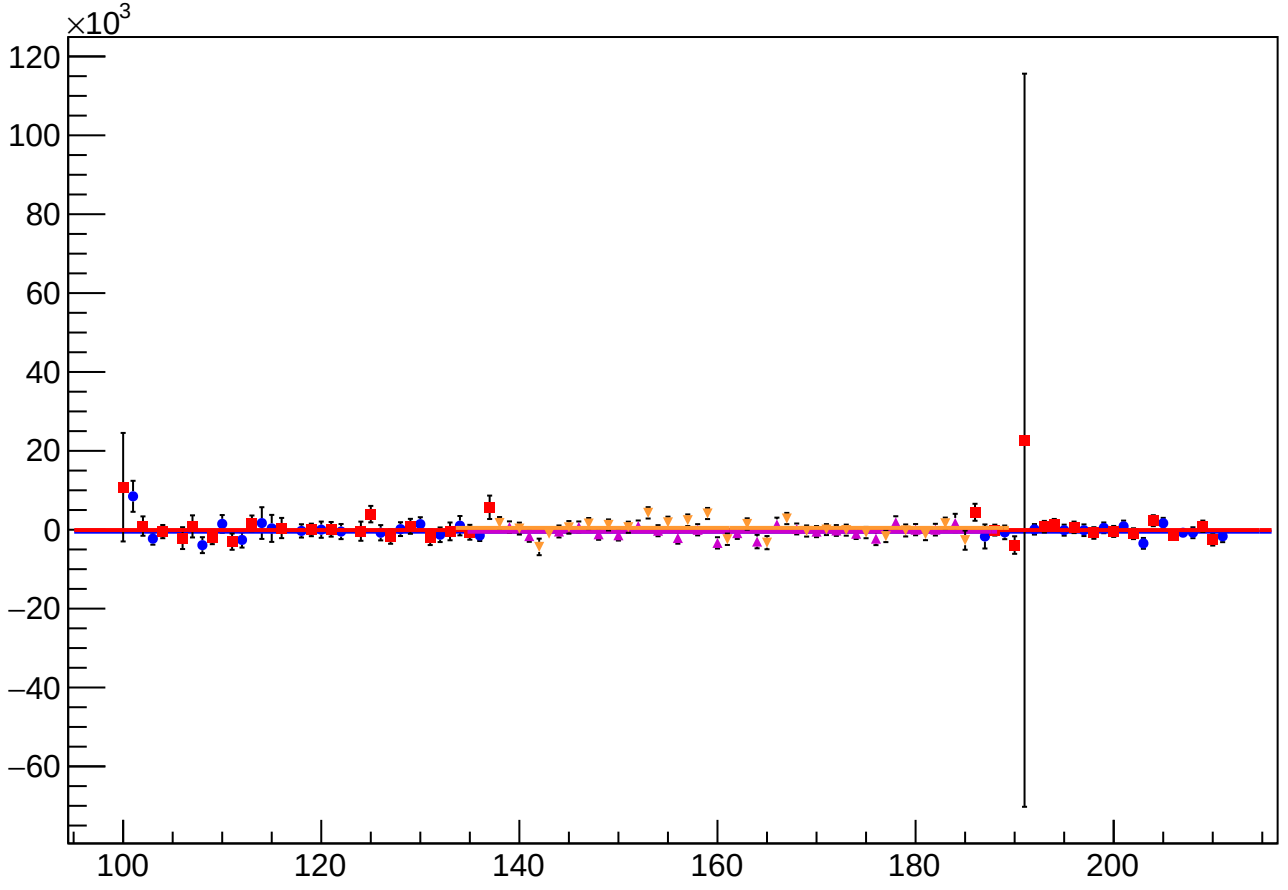
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4042.330+/-0.505 χ^2/NDF: 5143687.0/60

In: 4278.023+/-0.525 χ^2/NDF:3115710.7/50

Out: 4044.717+/-0.487 χ^2/NDF:5404016.8/57

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.987+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

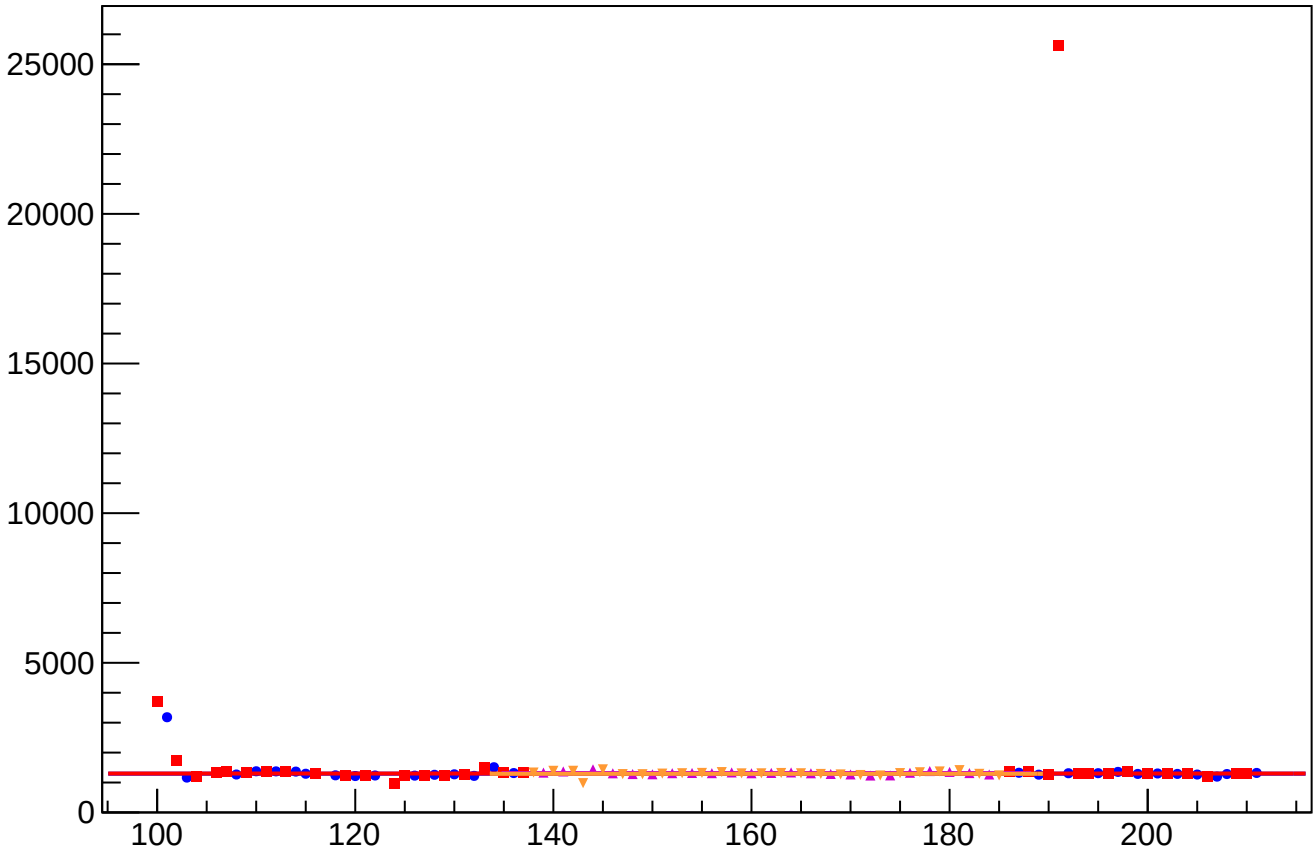
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.078+/-221.669 χ^2/NDF:41.3/50

Out: 209.329+/-213.648 χ^2/NDF:78.4/57

All: -131.826+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

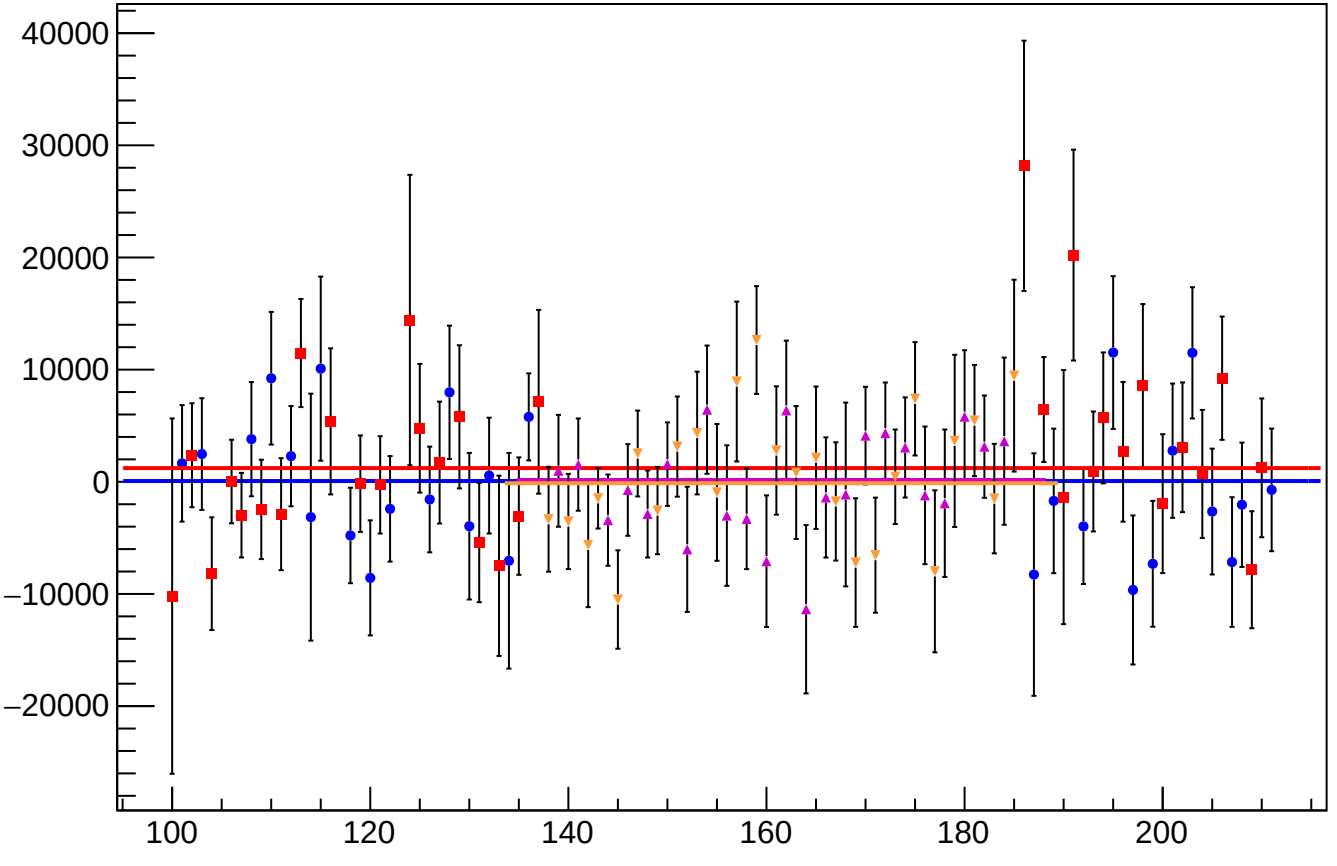
Right: 1297.928+/-0.158 χ^2/NDF: 908106.7/60

In: 1304.977+/-0.157 χ^2/NDF:576202.7/50

Out: 1295.624+/-0.151 χ^2/NDF:609959.5/57

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.728+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1222.822+/-971.812 χ^2/NDF: 36.2/32

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

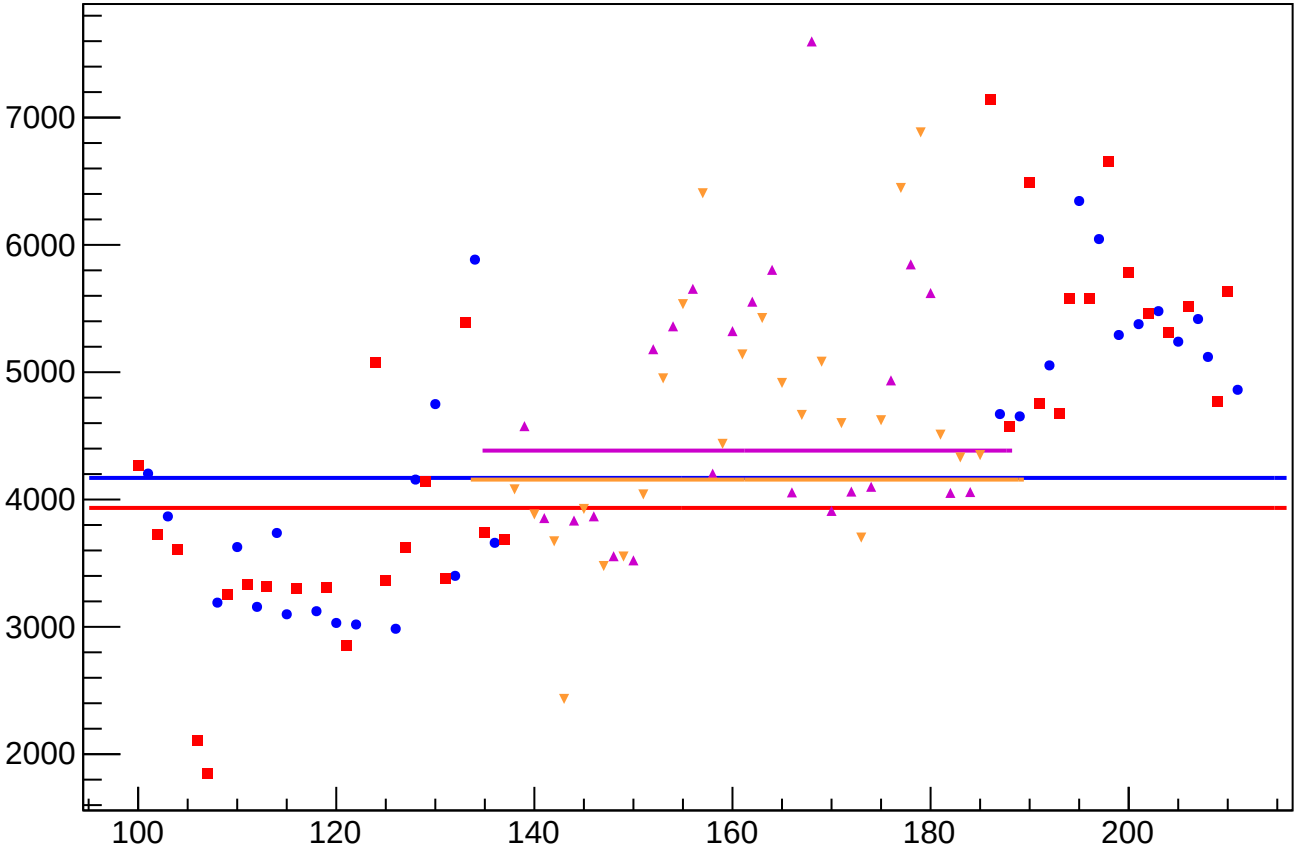
Right: 692.471+/-714.701 χ^2/NDF: 65.3/60

In: 113.995+/-742.534 χ^2/NDF:42.3/50

Out: 551.530+/-689.083 χ^2/NDF:65.7/57

All: 349.076+/-505.096 χ^2/NDF: 108.2/108

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4169.829+/-0.746 χ^2/NDF: 1818556.6/27

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3934.084+/-0.687 χ^2/NDF: 3271158.9/32

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

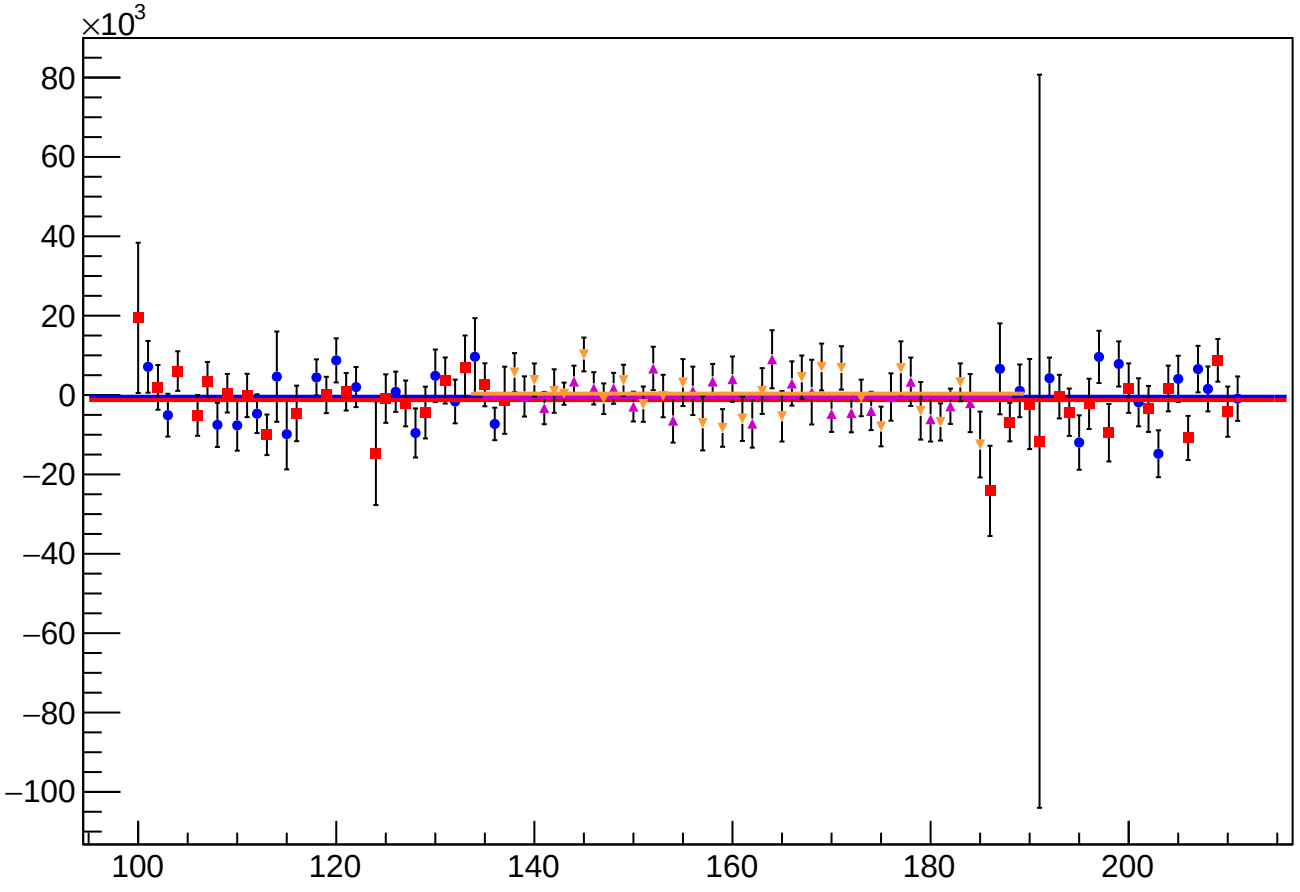
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4042.324+/-0.505 χ^2/NDF: 5143753.5/60

In: 4278.023+/-0.525 χ^2/NDF:3115753.0/50

Out: 4044.717+/-0.487 χ^2/NDF:5404058.2/57

All: 4152.672+/-0.357 χ^2/NDF: 8625896.0/10



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1265.657+/-1053.627 χ^2/NDF: 26.5/32

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

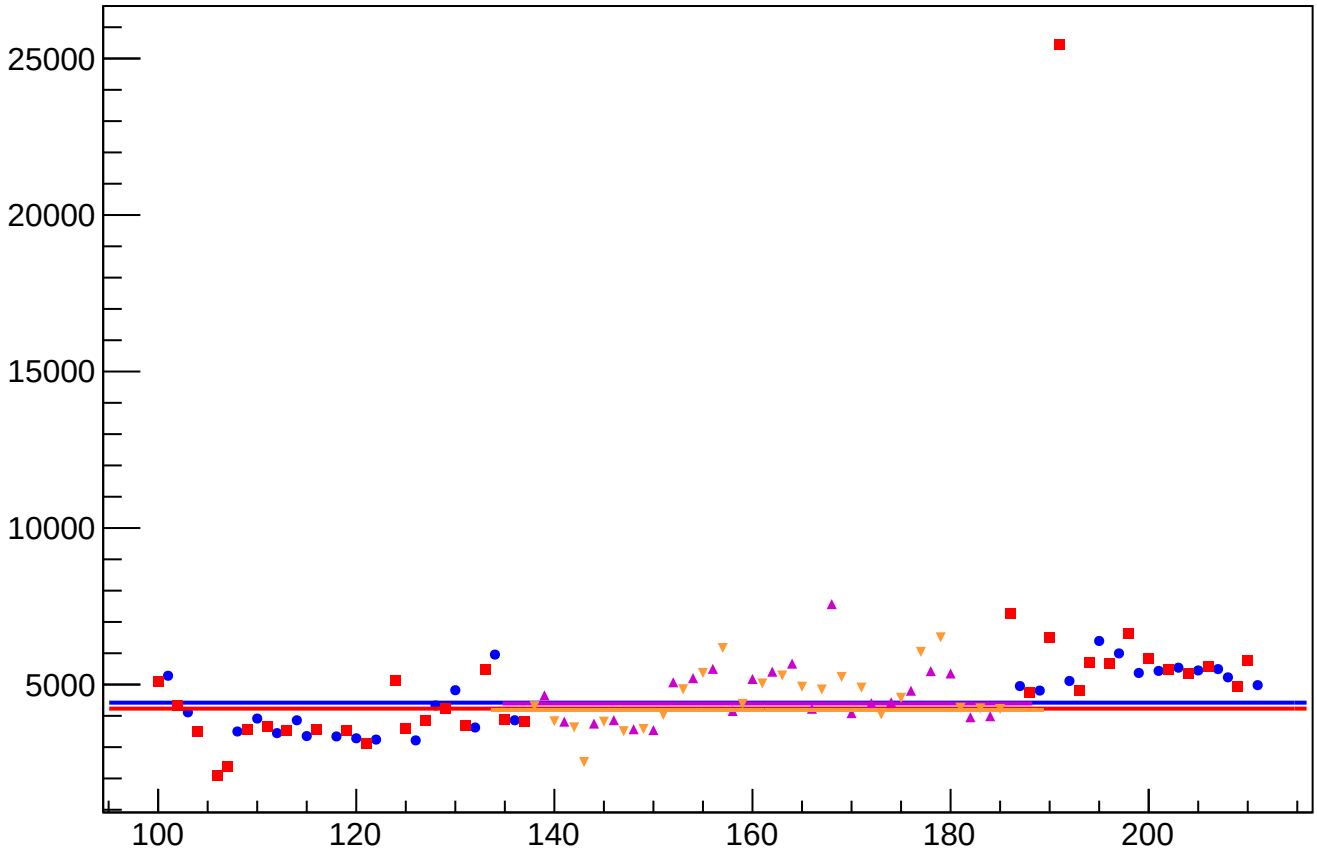
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -867.428+/-764.983 χ^2/NDF: 61.4/60

In: -462.824+/-761.548 χ^2/NDF:48.4/50

Out: -392.578+/-717.528 χ^2/NDF:55.5/57

All: -425.612+/-522.238 χ^2/NDF: 103.9/108



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

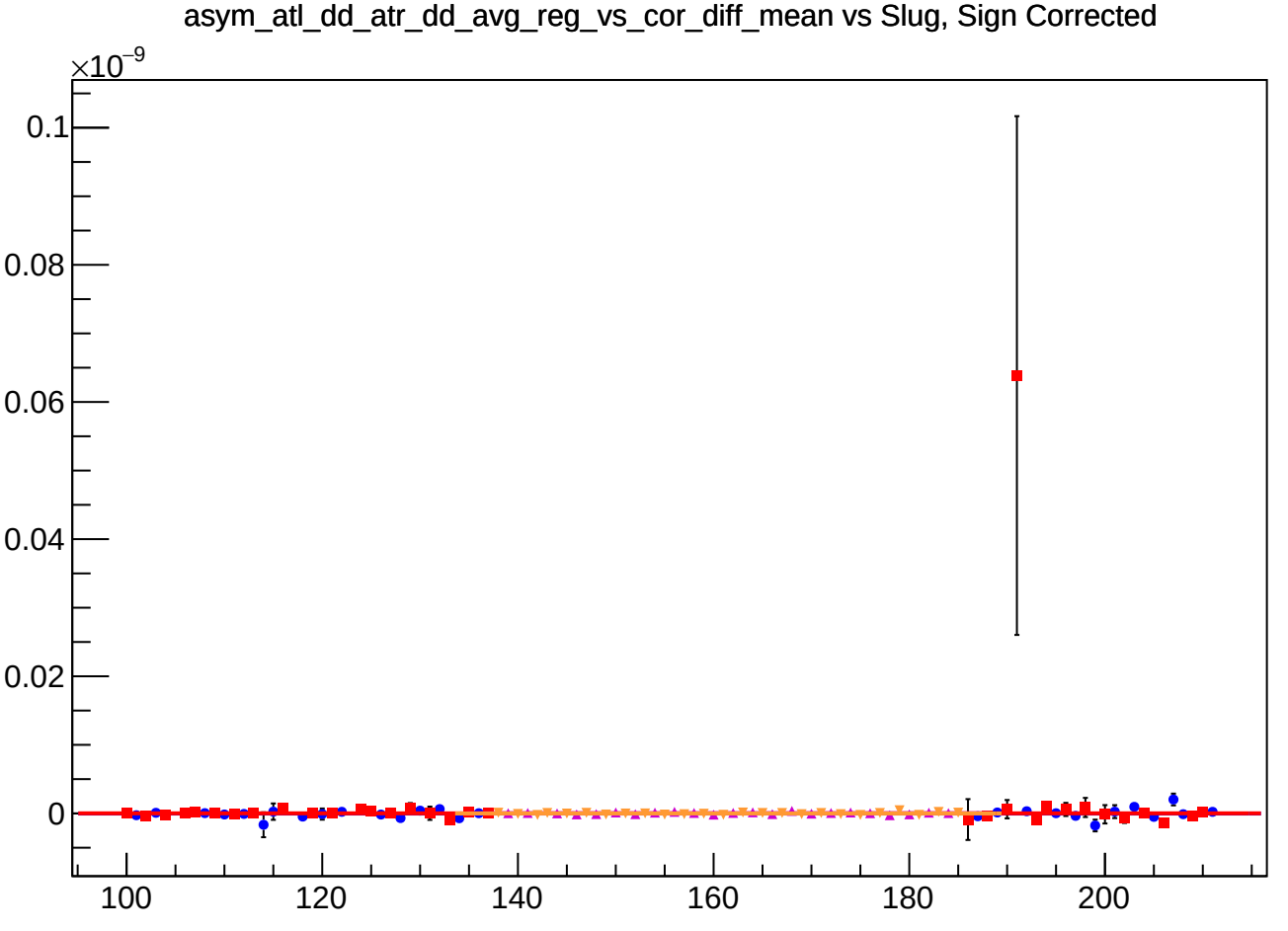
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4320.275+/-0.538 χ^2/NDF: 4118891.3/60

In: 4407.080+/-0.538 χ^2/NDF:2565807.9/50

Out: 4208.036+/-0.505 χ^2/NDF:4409087.1/57

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

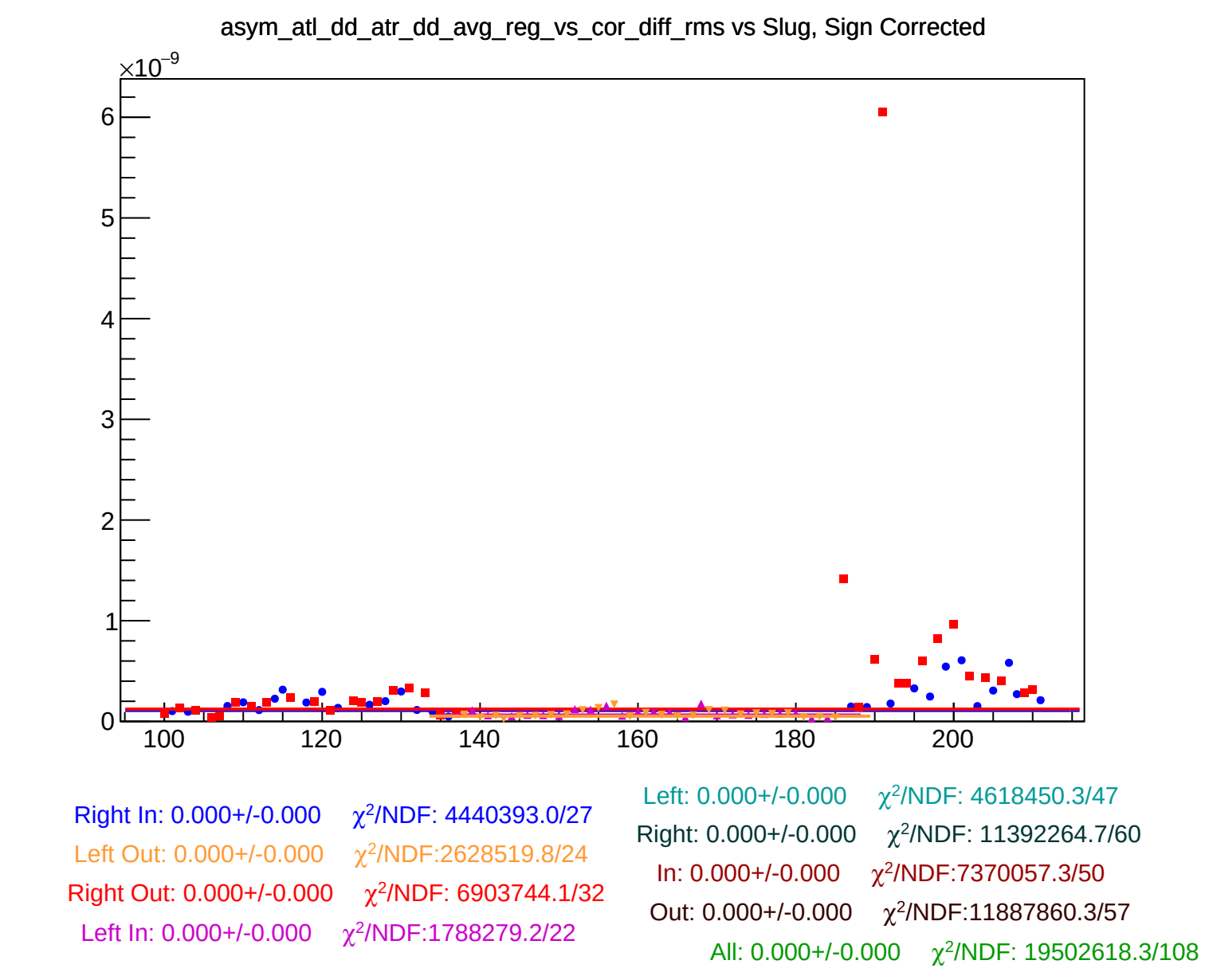
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 68.9/60

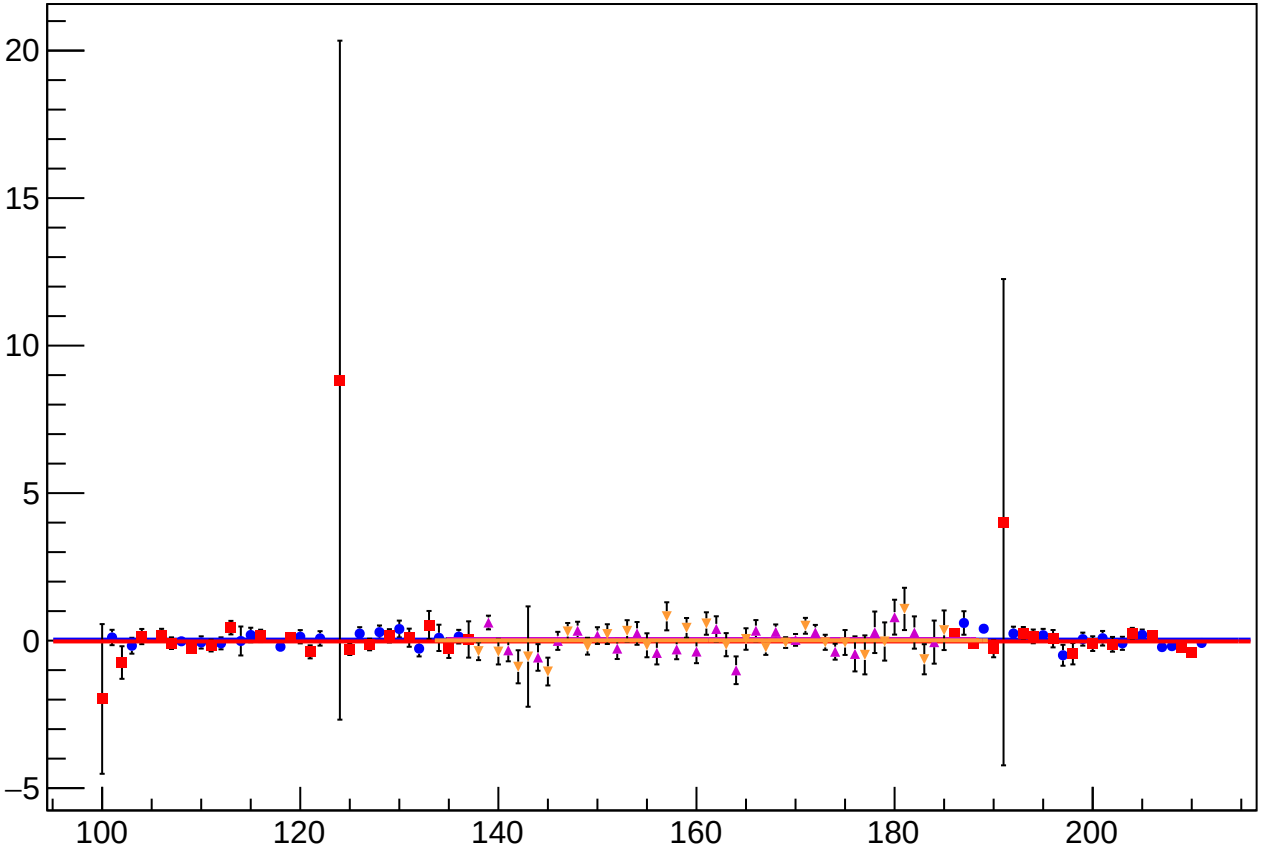
In: 0.000+/-0.000 χ^2/NDF:52.2/50

Out: -0.000+/-0.000 χ^2/NDF:64.5/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/108


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: 4440393.0/27
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6903744.1/32
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: 11392264.7/60
In: 0.000+/-0.000 χ²/NDF:7370057.3/50
Out: 0.000+/-0.000 χ²/NDF:11887860.3/57
All: 0.000+/-0.000 χ²/NDF: 19502618.3/108

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

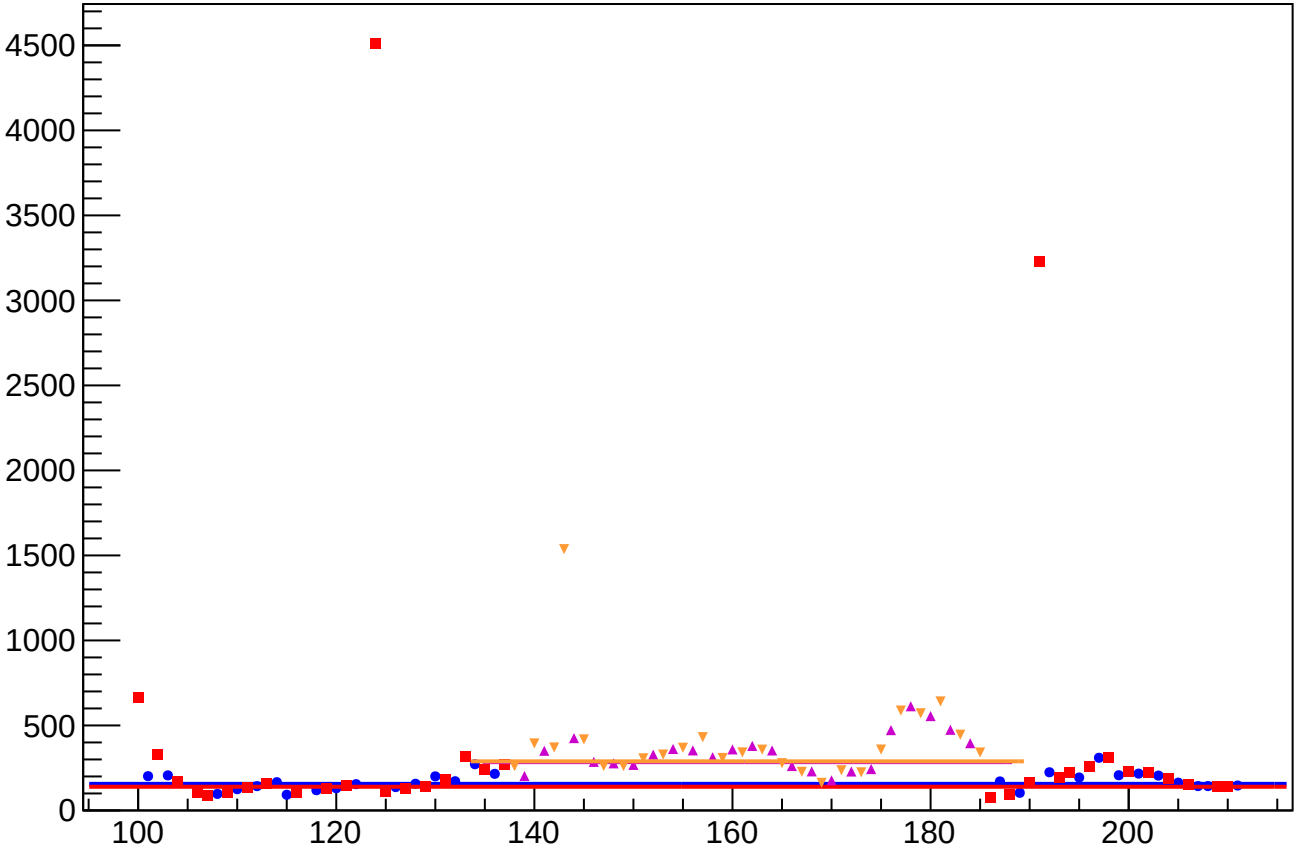
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

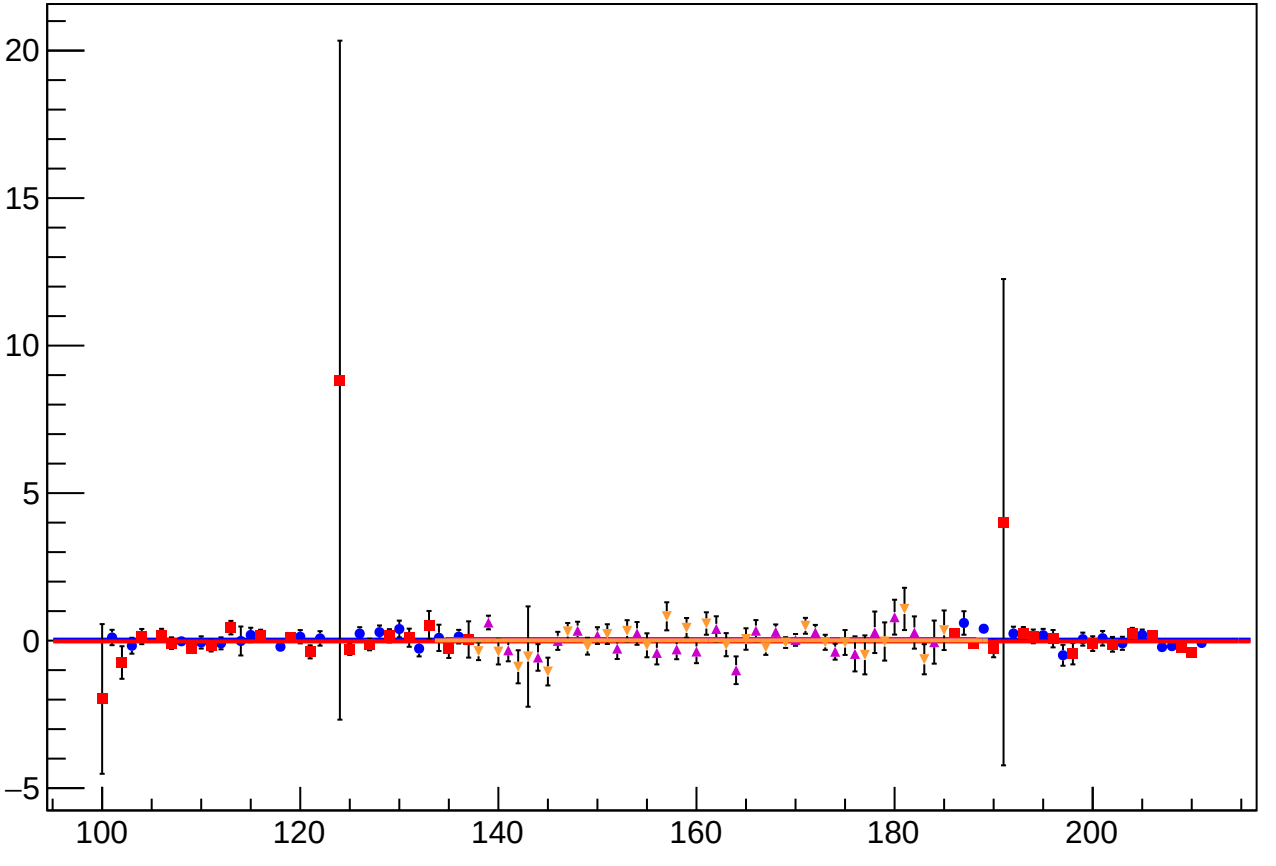
Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

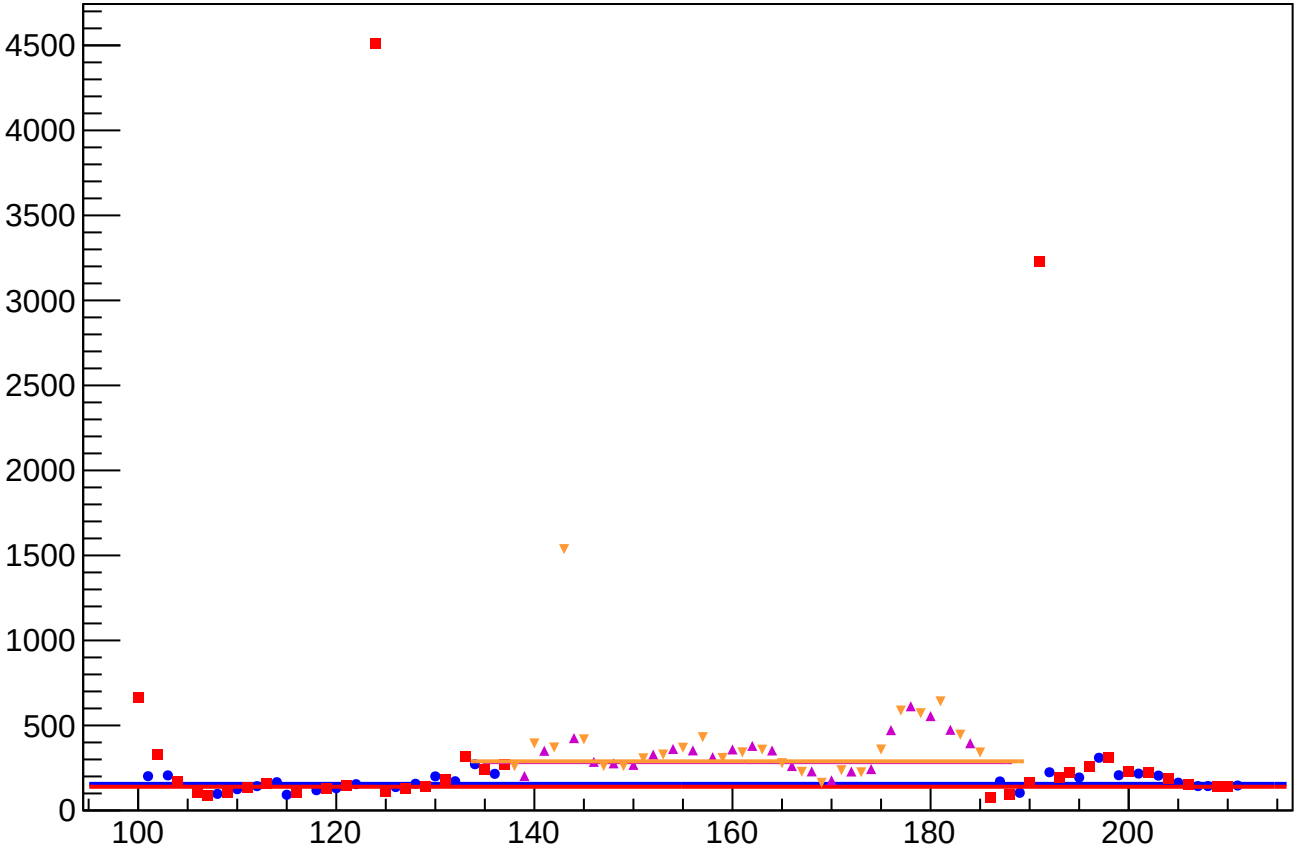
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

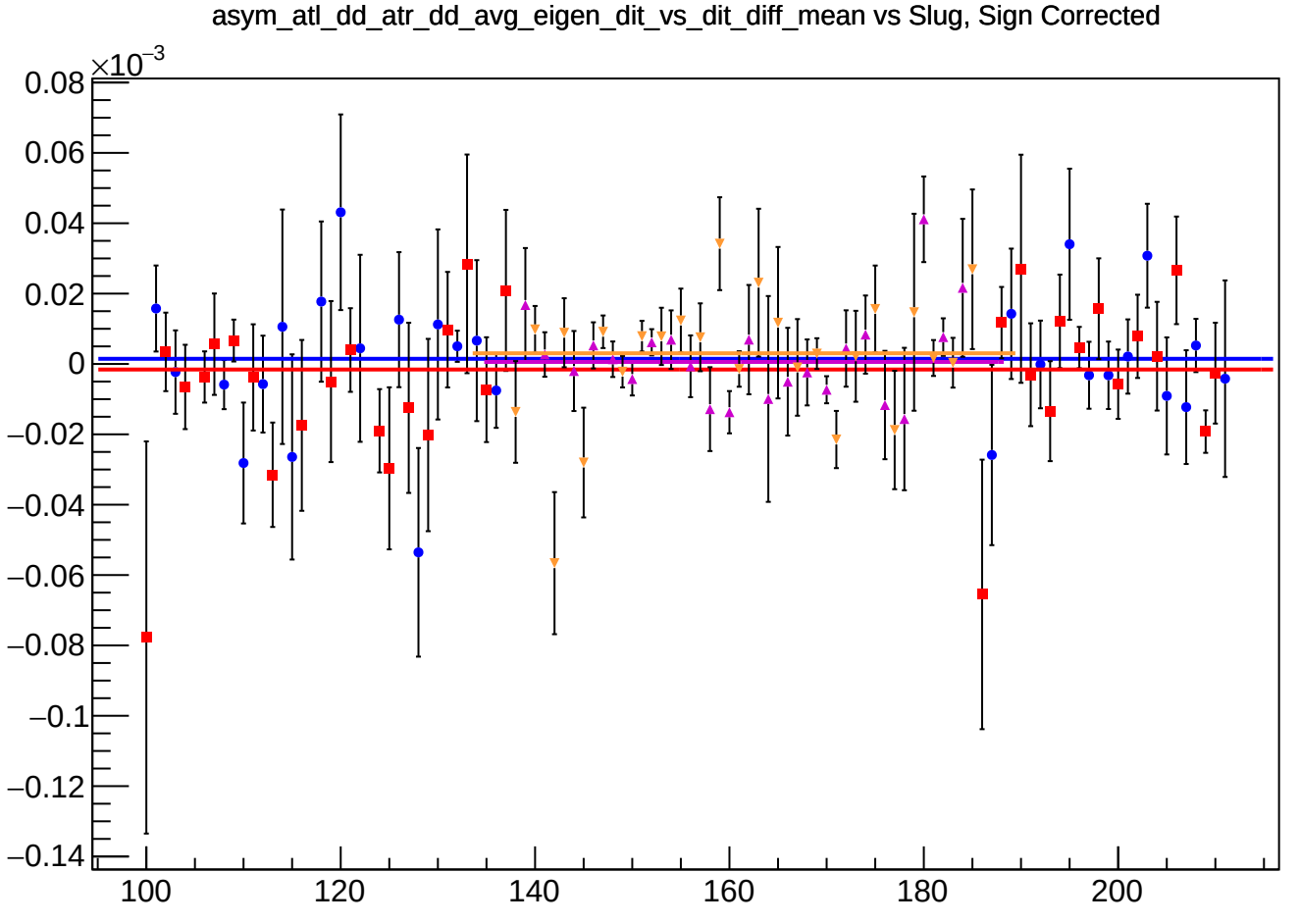
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

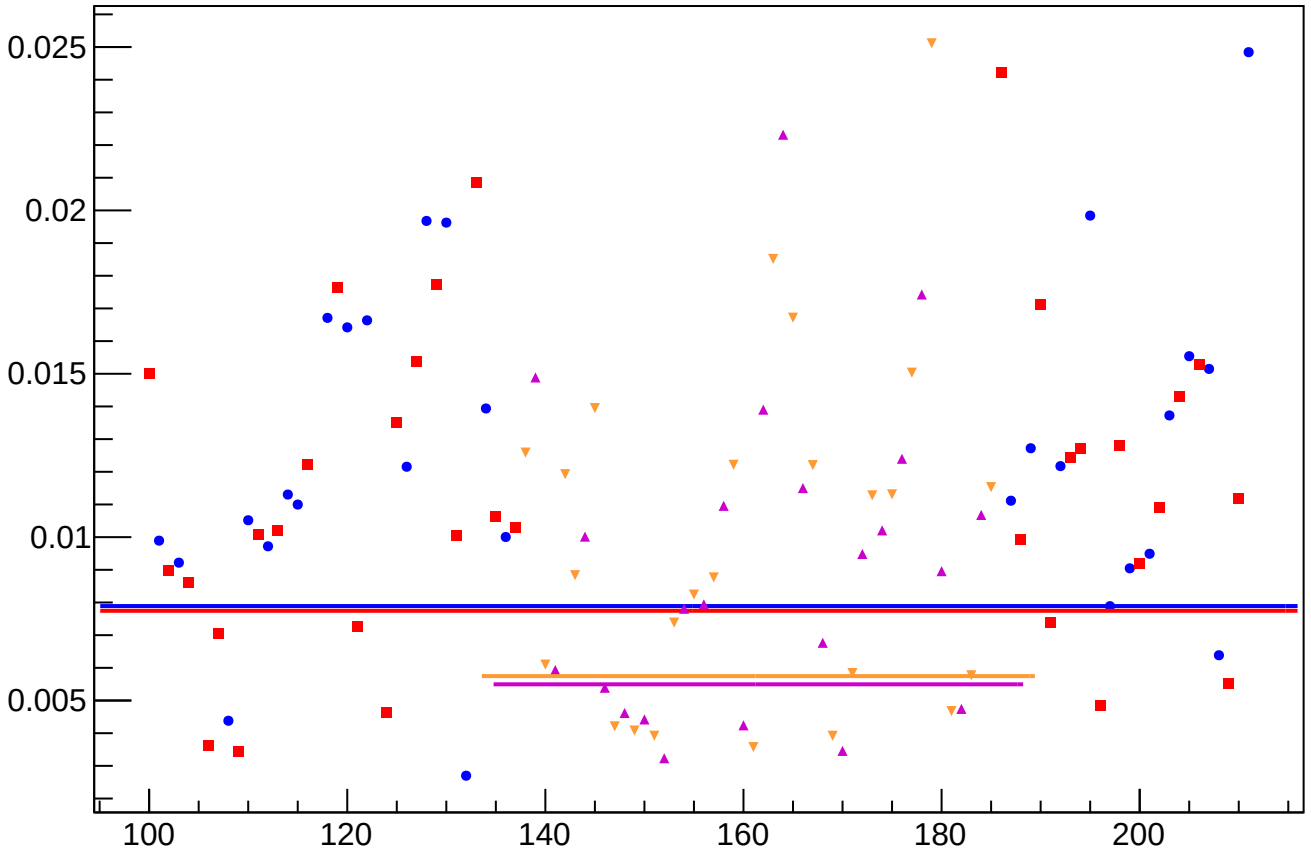
Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.7/27
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.5/32
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 64.2/60
In: 0.000+/-0.000 χ²/NDF:58.0/50
Out: 0.000+/-0.000 χ²/NDF:83.9/57
All: 0.000+/-0.000 χ²/NDF: 142.0/108



Right In: 0.008+/-0.000 χ^2/NDF: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

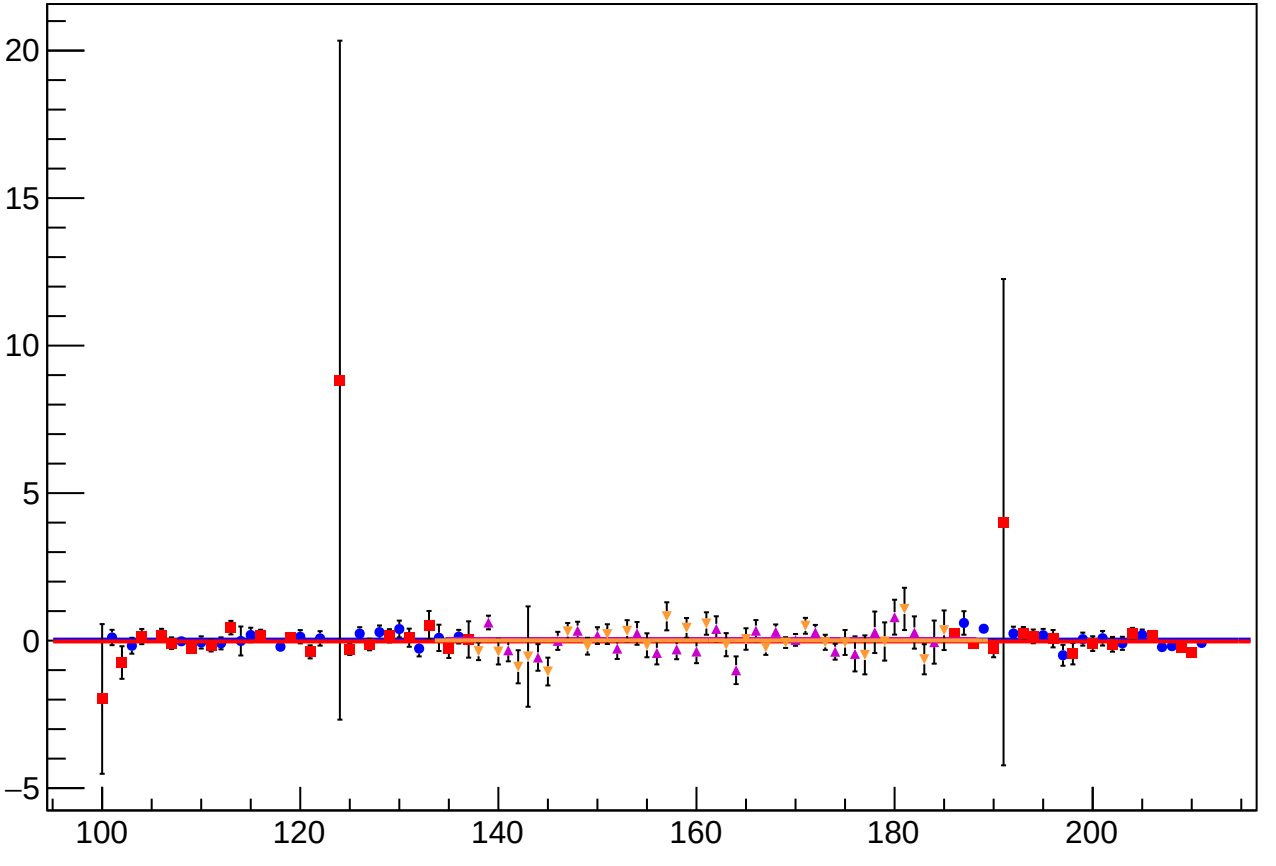
Right: 0.008+/-0.000 χ^2/NDF: 15059656.3/60

In: 0.006+/-0.000 χ^2/NDF:16691413.7/50

Out: 0.006+/-0.000 χ^2/NDF:16149895.0/57

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

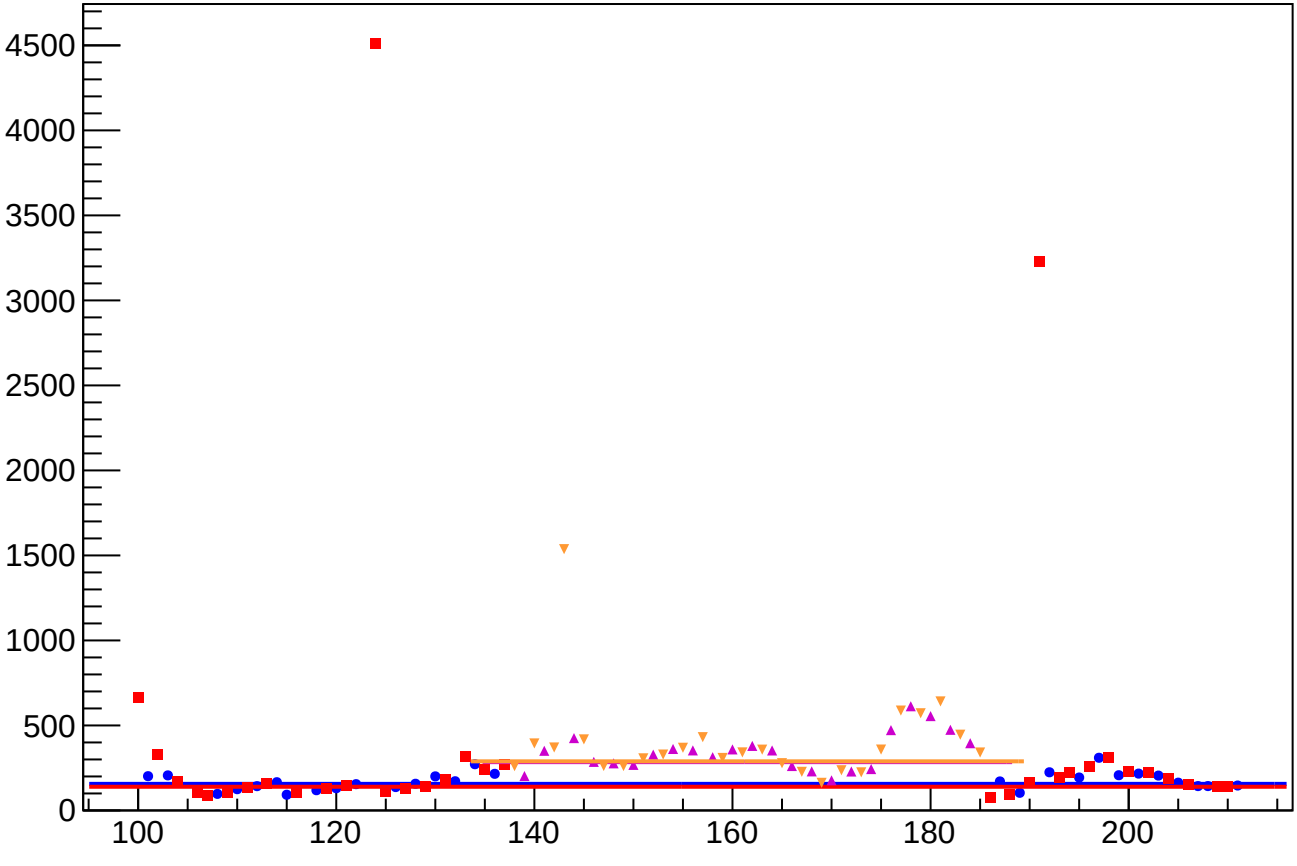
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

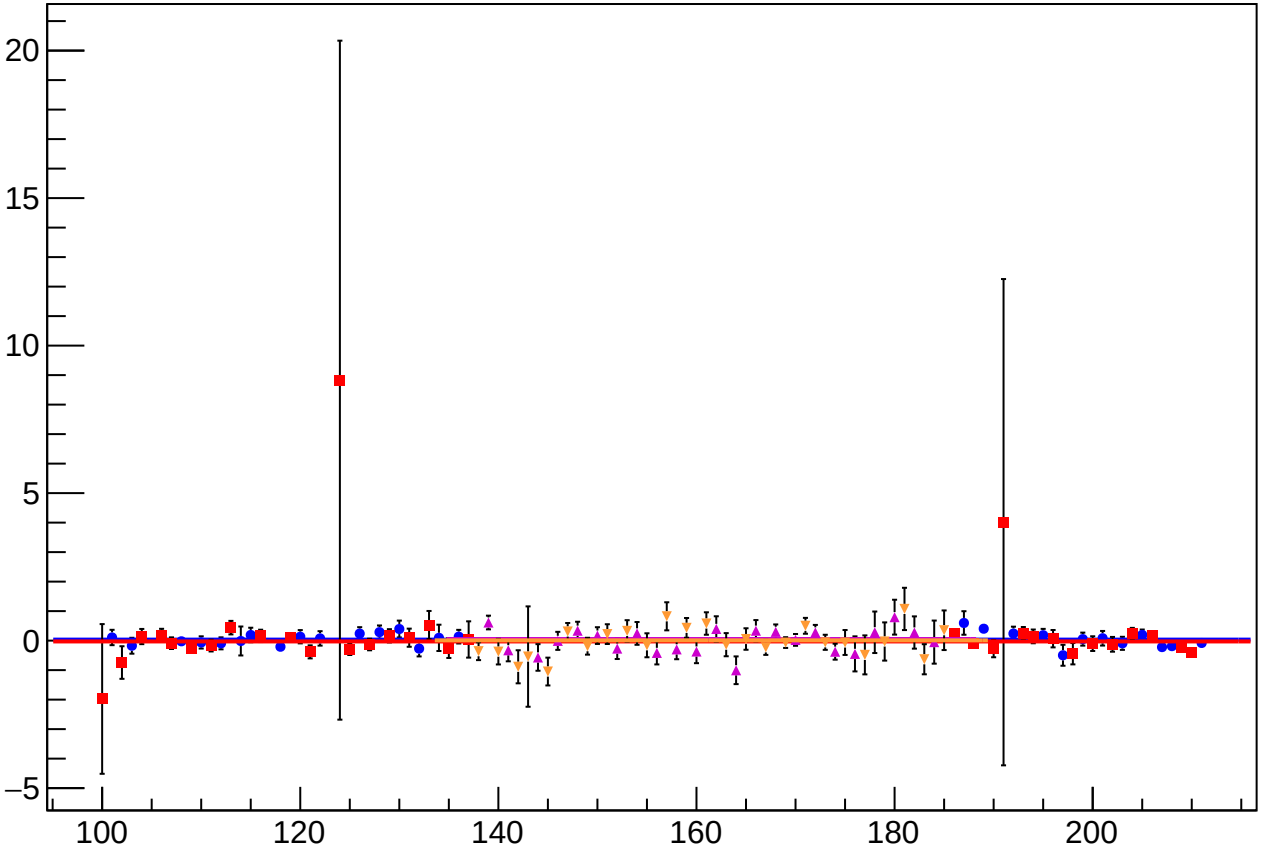
Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

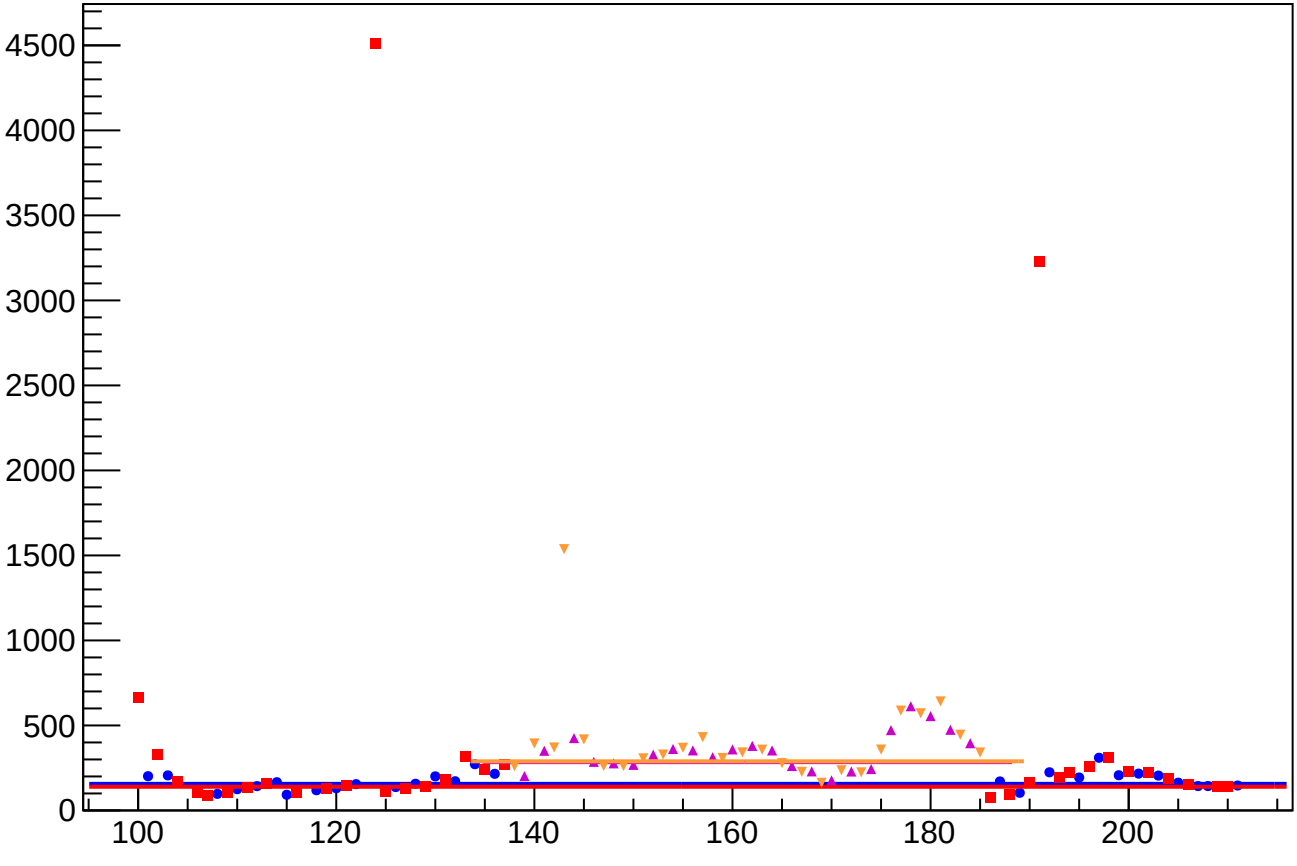
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

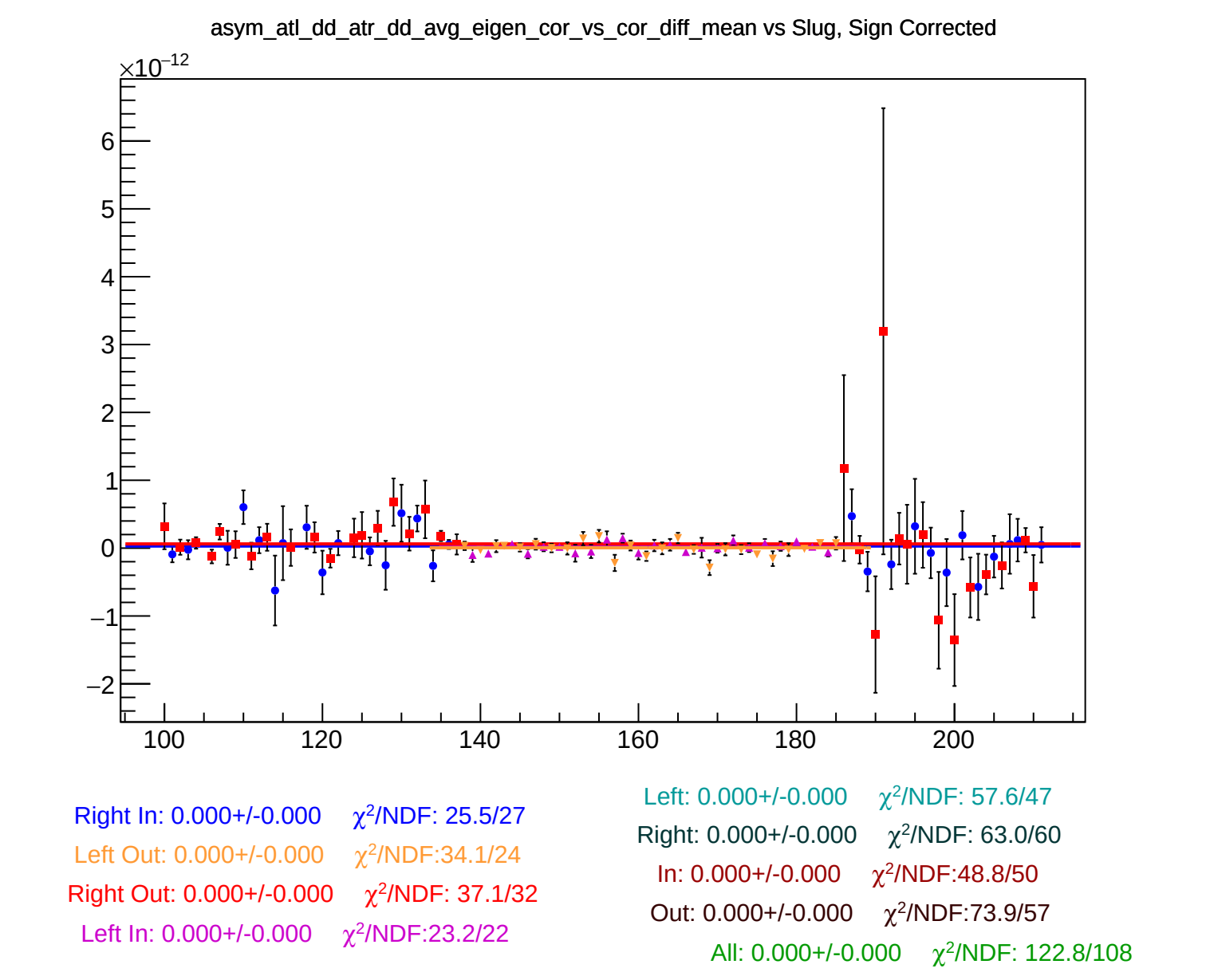
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

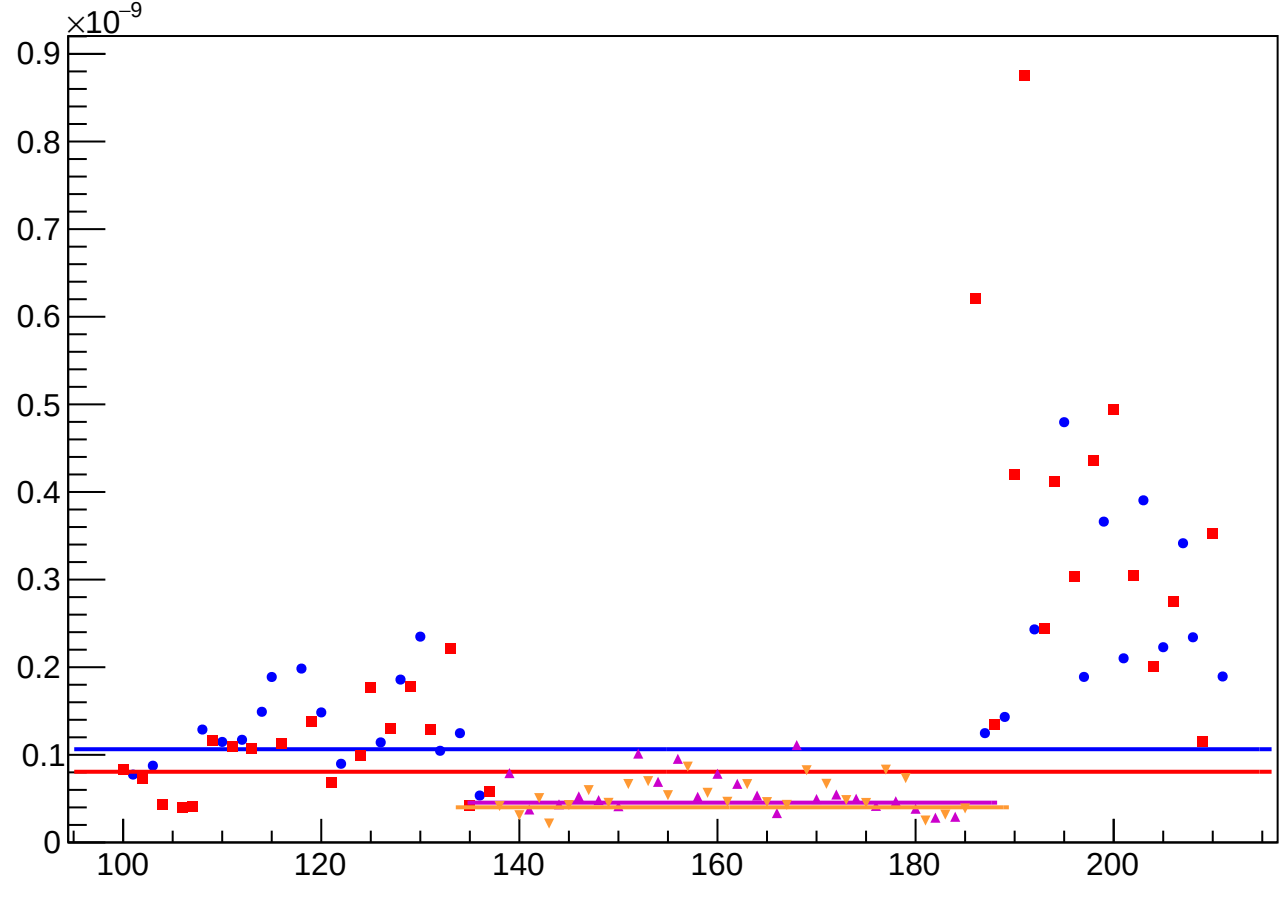
In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.5/27
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.1/32
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 63.0/60
In: 0.000+/-0.000 χ²/NDF:48.8/50
Out: 0.000+/-0.000 χ²/NDF:73.9/57
All: 0.000+/-0.000 χ²/NDF: 122.8/108

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: 5790765.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8402337.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

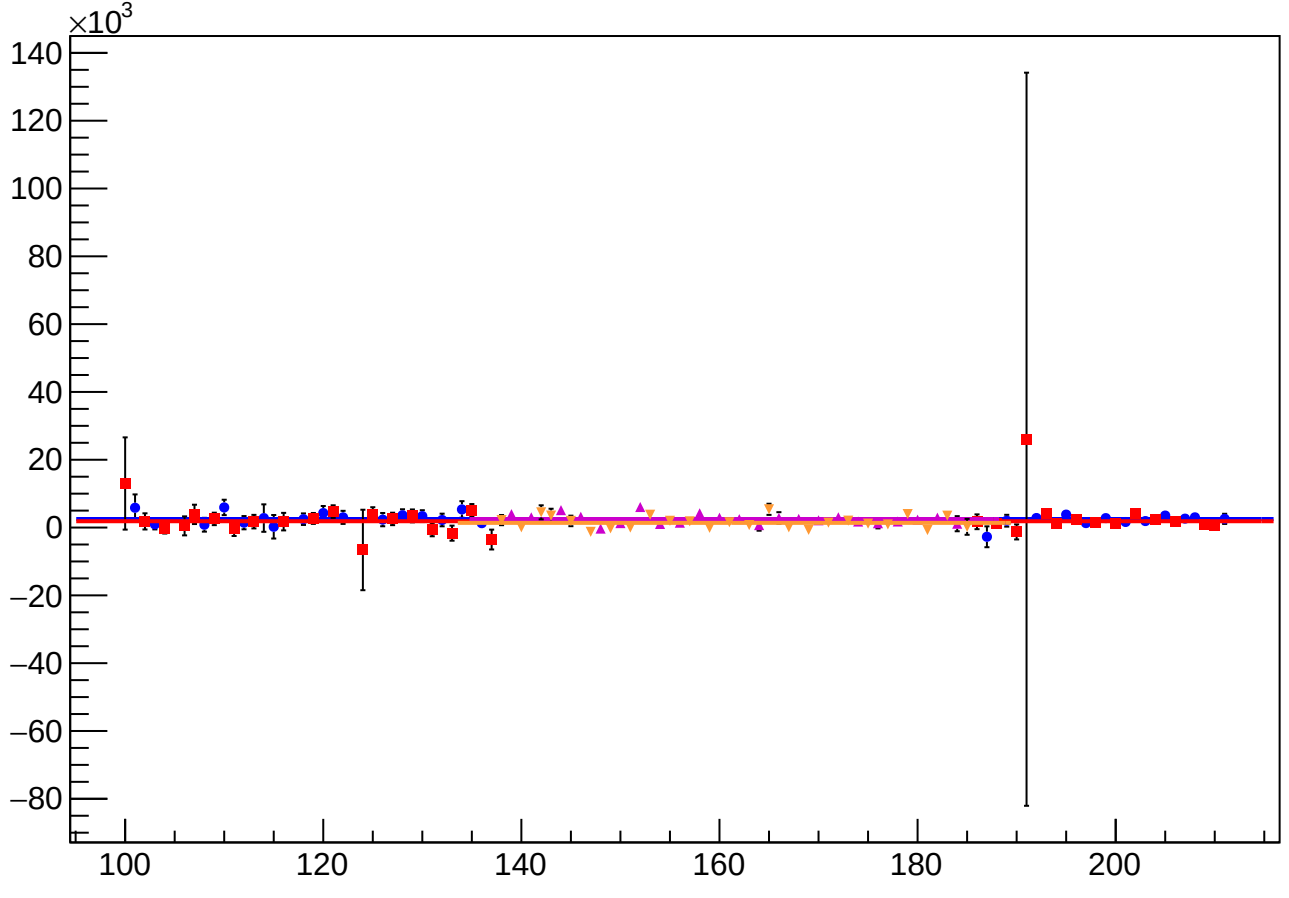
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14700848.1/60

In: 0.000+/-0.000 χ^2/NDF:12823055.8/50

Out: 0.000+/-0.000 χ^2/NDF:14772017.3/57

All: 0.000+/-0.000 χ^2/NDF: 27893985.3/108



Right In: 2522.392+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1864.212+/-312.948 χ^2/NDF: 29.5/32

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

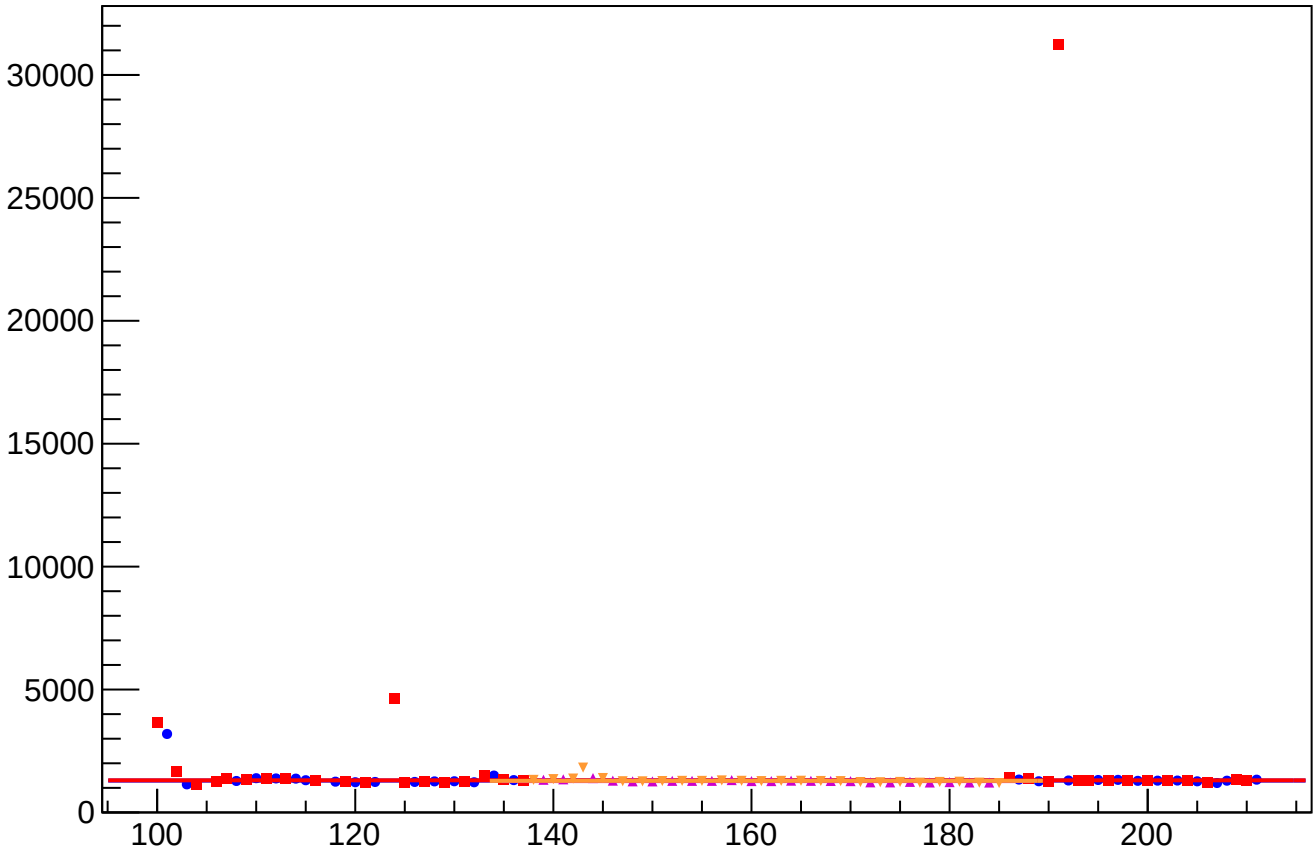
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2185.293+/-223.964 χ^2/NDF: 46.6/60

In: 2520.768+/-218.327 χ^2/NDF:37.4/50

Out: 1607.733+/-213.800 χ^2/NDF:63.7/57

All: 2054.687+/-152.755 χ^2/NDF: 110.0/108



Right In: 1296.379+/-0.227 χ^2/NDF: 533514.0/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.513+/-0.221 χ^2/NDF: 505904.4/32

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

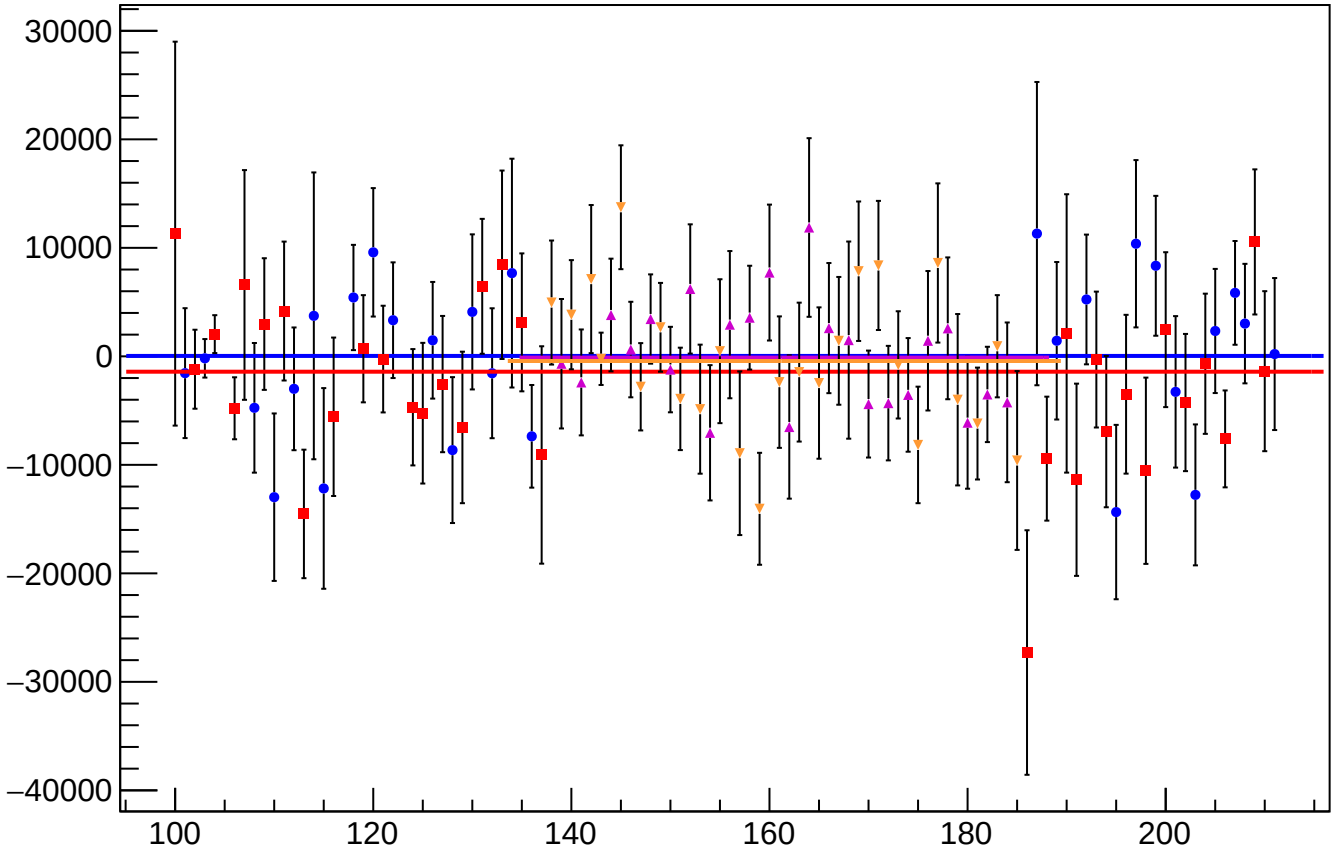
Right: 1302.088+/-0.158 χ^2/NDF: 1040654.6/60

In: 1285.416+/-0.154 χ^2/NDF:579271.7/50

Out: 1295.866+/-0.151 χ^2/NDF:702143.5/57

All: 1290.753+/-0.108 χ^2/NDF: 1283755.3/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 37.984+/-1008.551 χ^2/NDF: 29.2/27

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1415.868+/-915.597 χ^2/NDF: 34.5/32

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

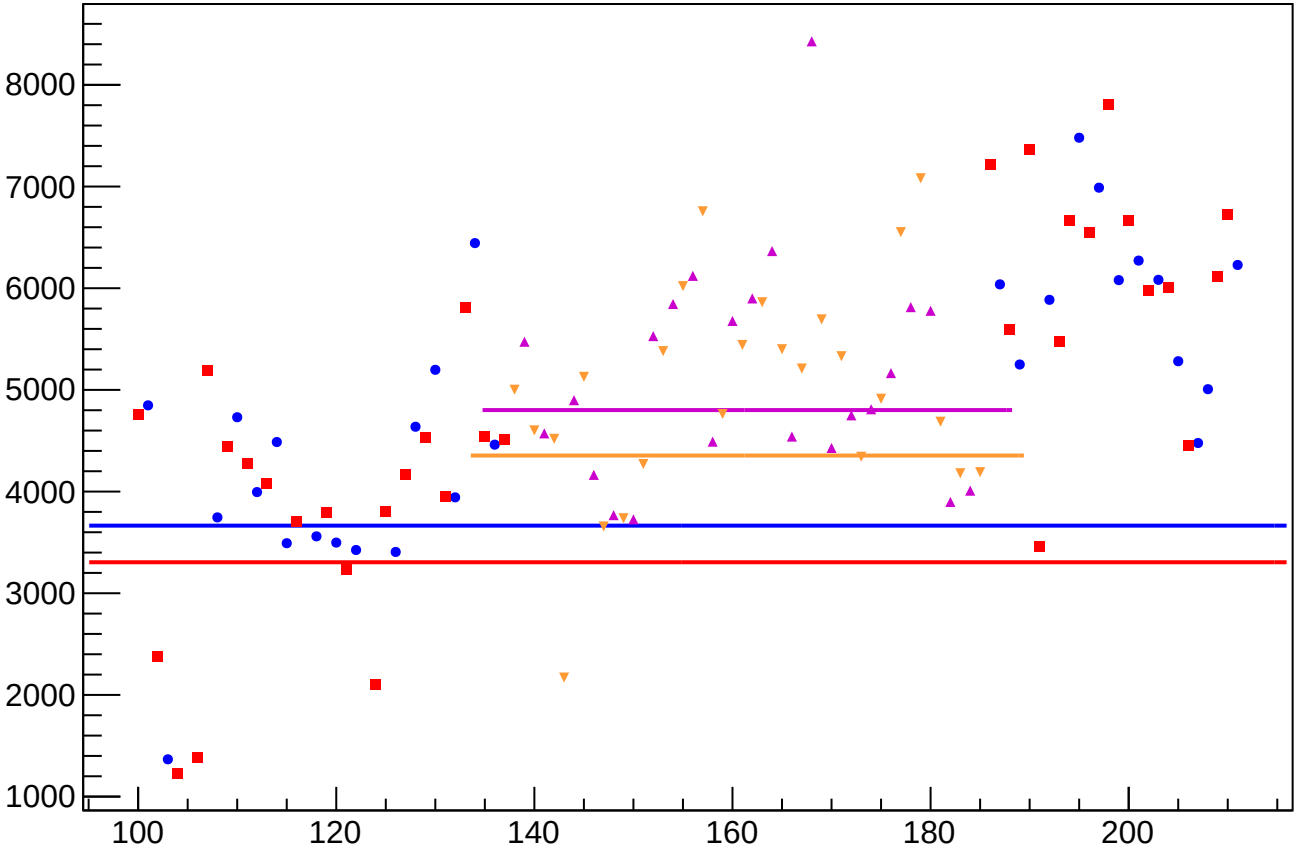
Right: -759.013+/-677.911 χ^2/NDF: 64.8/60

In: -30.768+/-756.733 χ^2/NDF:42.8/50

Out: -983.837+/-686.654 χ^2/NDF:64.9/57

All: -553.467+/-508.512 χ^2/NDF: 108.5/108

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3665.003+/-0.713 χ^2/NDF: 6521101.9/27

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3304.837+/-0.647 χ^2/NDF: 9098588.4/32

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

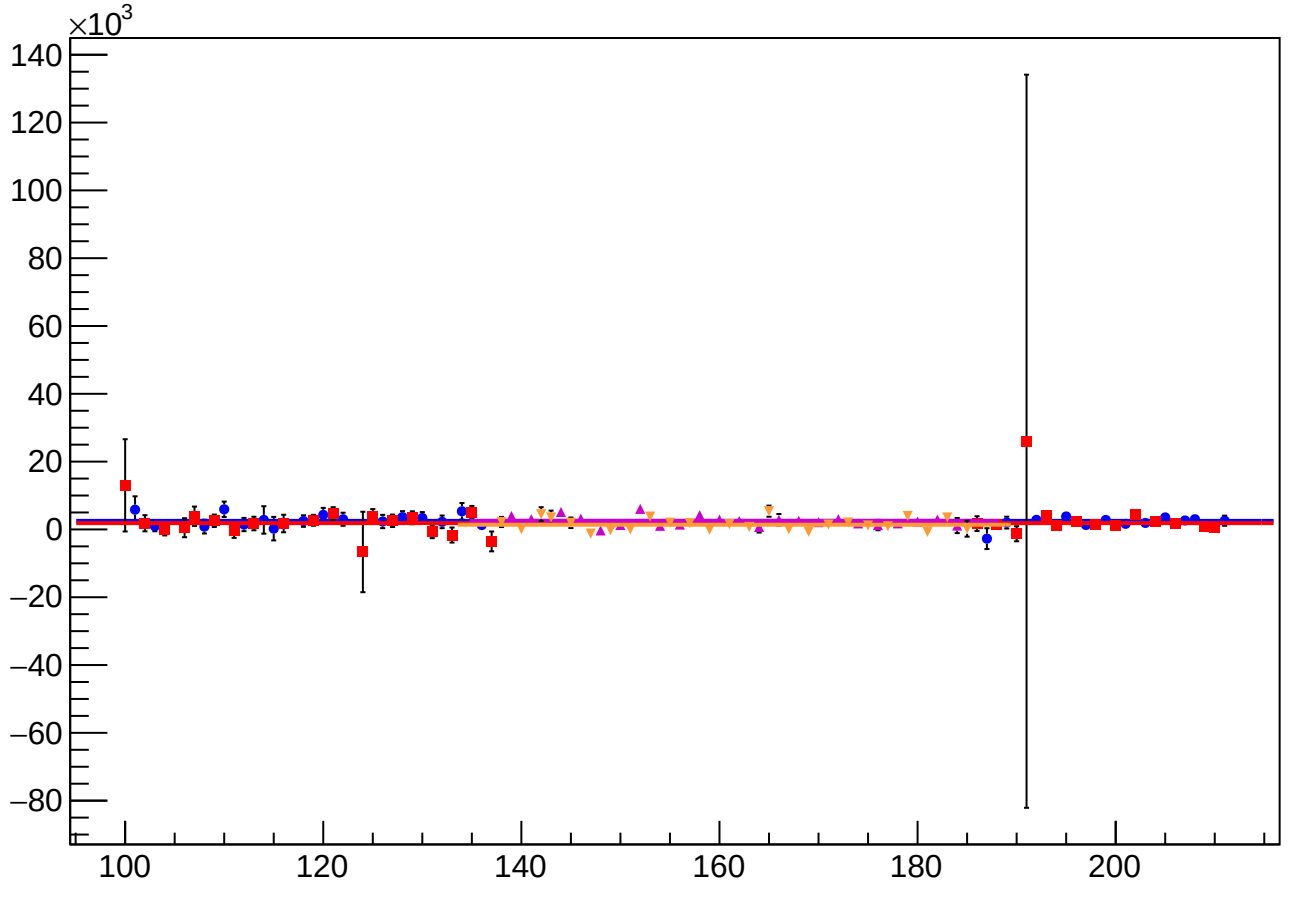
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3467.561+/-0.479 χ^2/NDF: 15759512.9/60

In: 4161.712+/-0.535 χ^2/NDF:8863008.4/50

Out: 3764.151+/-0.486 χ^2/NDF:13320275.3/57

All: 3943.674+/-0.360 χ^2/NDF: 22486030.1/1



Right In: 2522.311+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1864.130+/-312.948 χ^2/NDF: 29.5/32

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

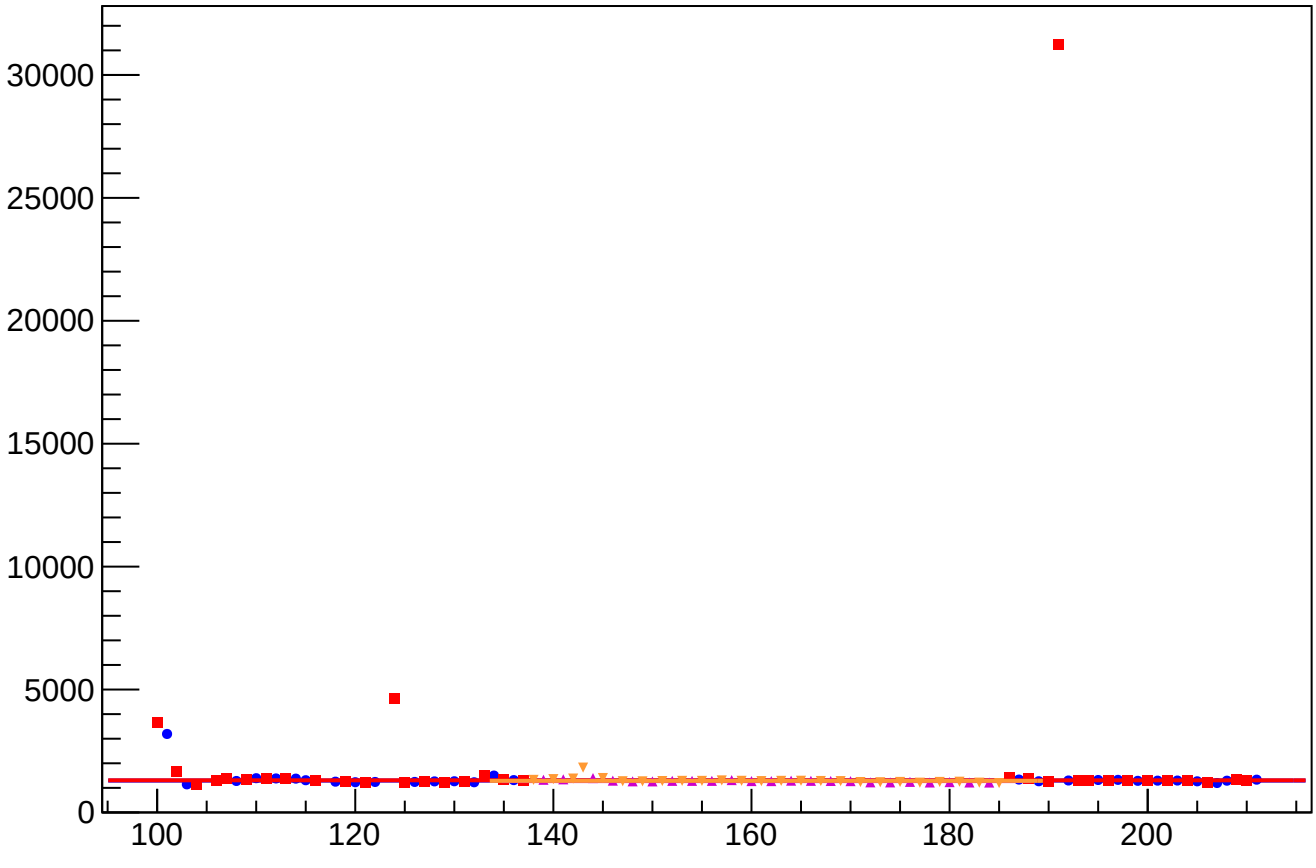
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2185.211+/-223.964 χ^2/NDF: 46.6/60

In: 2520.732+/-218.327 χ^2/NDF:37.4/50

Out: 1607.661+/-213.800 χ^2/NDF:63.7/57

All: 2054.632+/-152.755 χ^2/NDF: 110.0/108



Right In: 1296.379+/-0.227 χ^2/NDF: 533515.4/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.961+/-0.221 χ^2/NDF: 505573.8/32

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

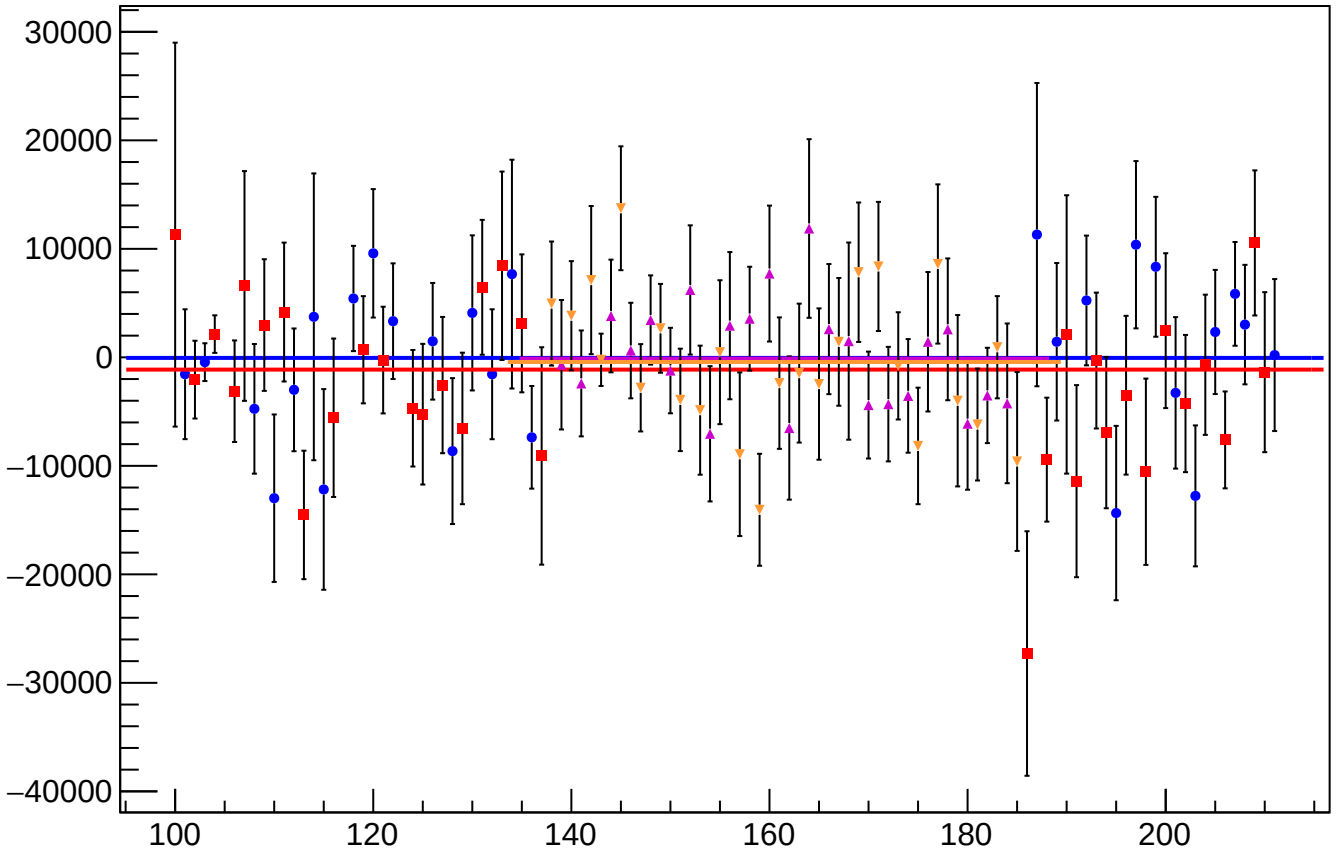
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1302.315+/-0.158 χ^2/NDF: 1040426.4/60

In: 1285.416+/-0.154 χ^2/NDF:579273.1/50

Out: 1296.071+/-0.151 χ^2/NDF:702026.6/57

All: 1290.857+/-0.108 χ^2/NDF: 1283732.4/10



Right In: -51.258+/-1002.224 χ^2/NDF: 29.2/27

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1130.144+/-943.094 χ^2/NDF: 33.5/32

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

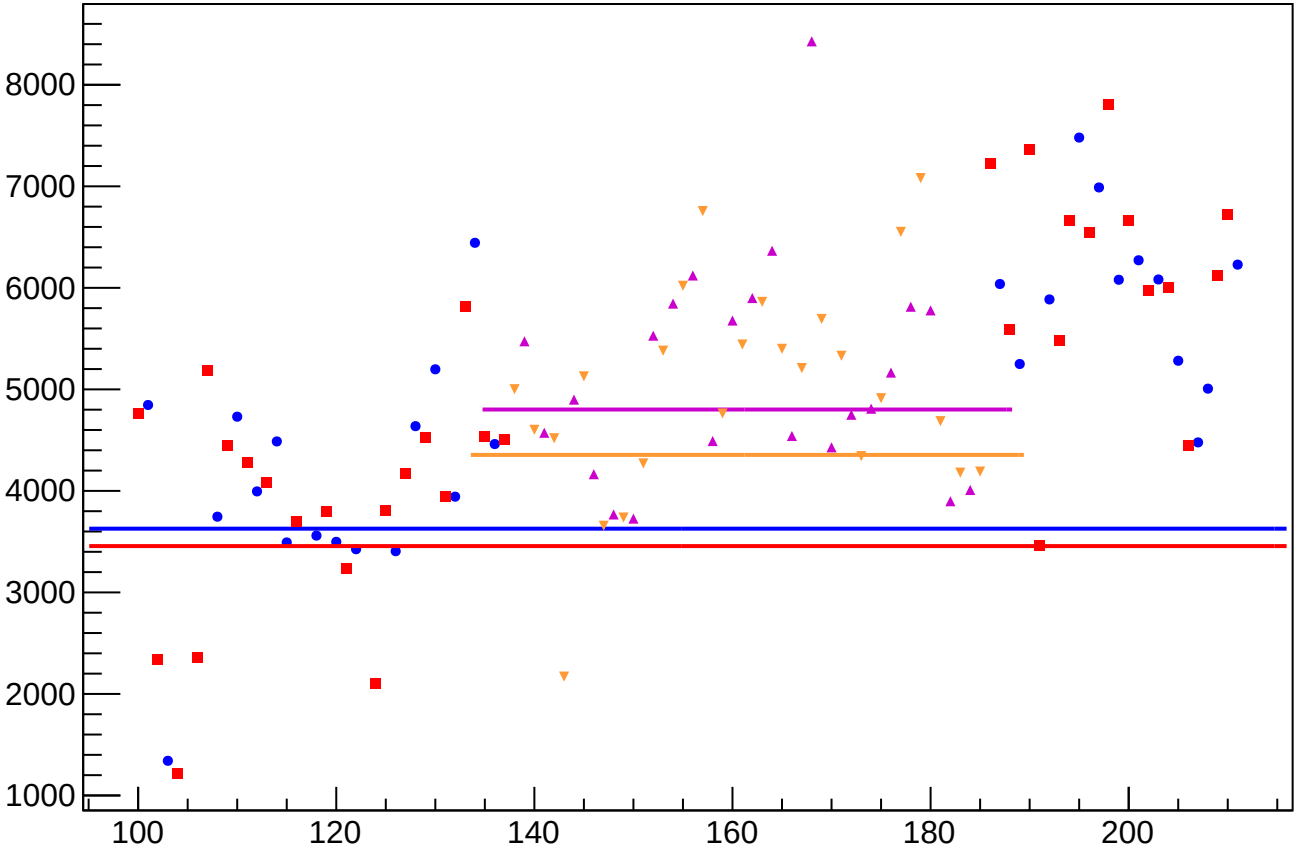
Right: -623.464+/-686.821 χ^2/NDF: 63.4/60

In: -80.786+/-754.049 χ^2/NDF:42.8/50

Out: -812.881+/-698.026 χ^2/NDF:63.6/57

All: -475.037+/-512.241 χ^2/NDF: 106.9/108

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3627.911+/-0.709 χ^2/NDF: 6726504.3/27

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3456.286+/-0.667 χ^2/NDF: 8326836.7/32

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

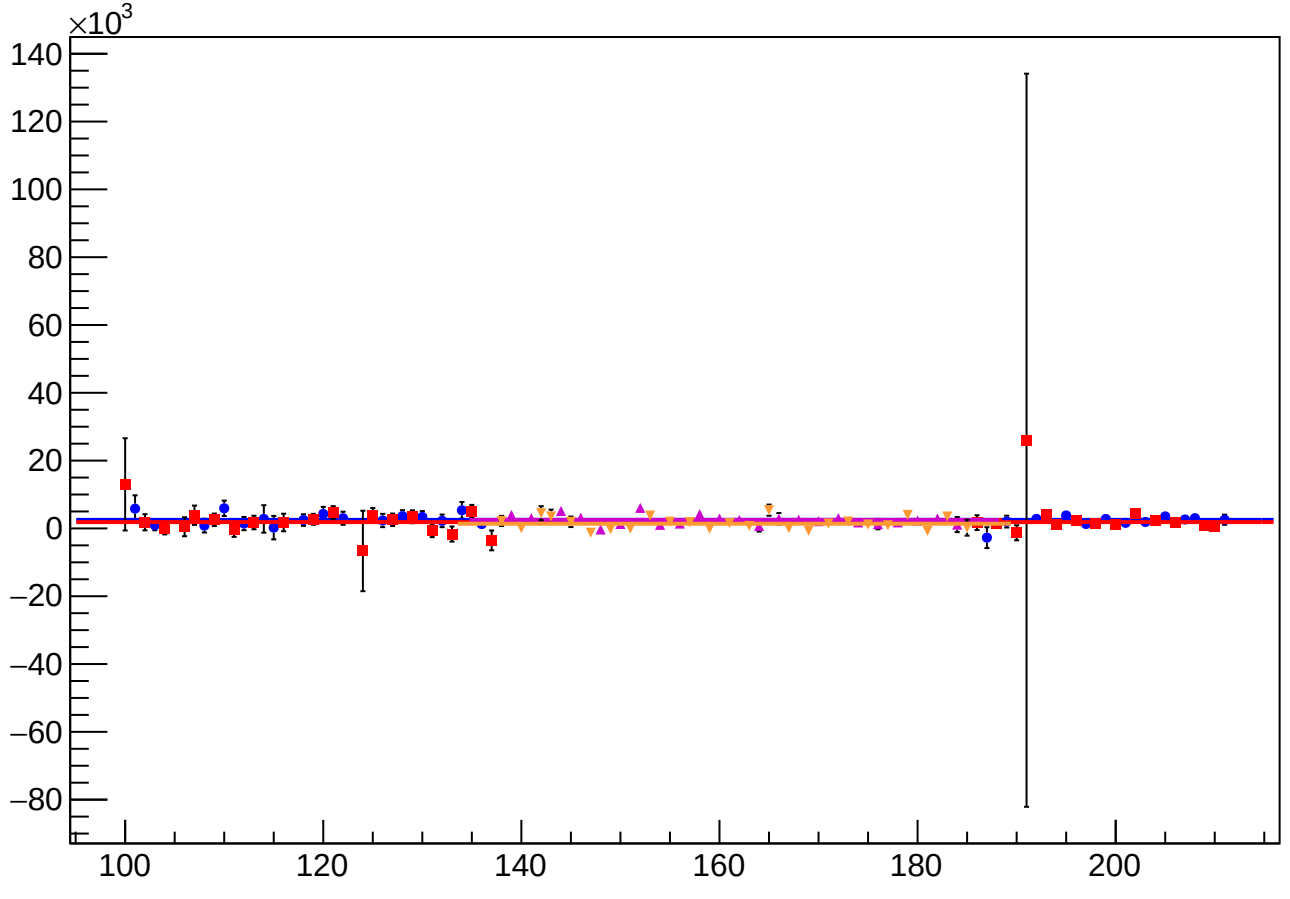
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3536.886+/-0.486 χ^2/NDF: 15084446.9/60

In: 4137.197+/-0.533 χ^2/NDF:9148556.4/50

Out: 3862.451+/-0.494 χ^2/NDF:12218733.0/57

All: 3989.240+/-0.362 χ^2/NDF: 21510277.2/



Right In: 2522.311+/-320.659 χ^2/NDF: 14.9/27

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1864.130+/-312.948 χ^2/NDF: 29.5/32

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

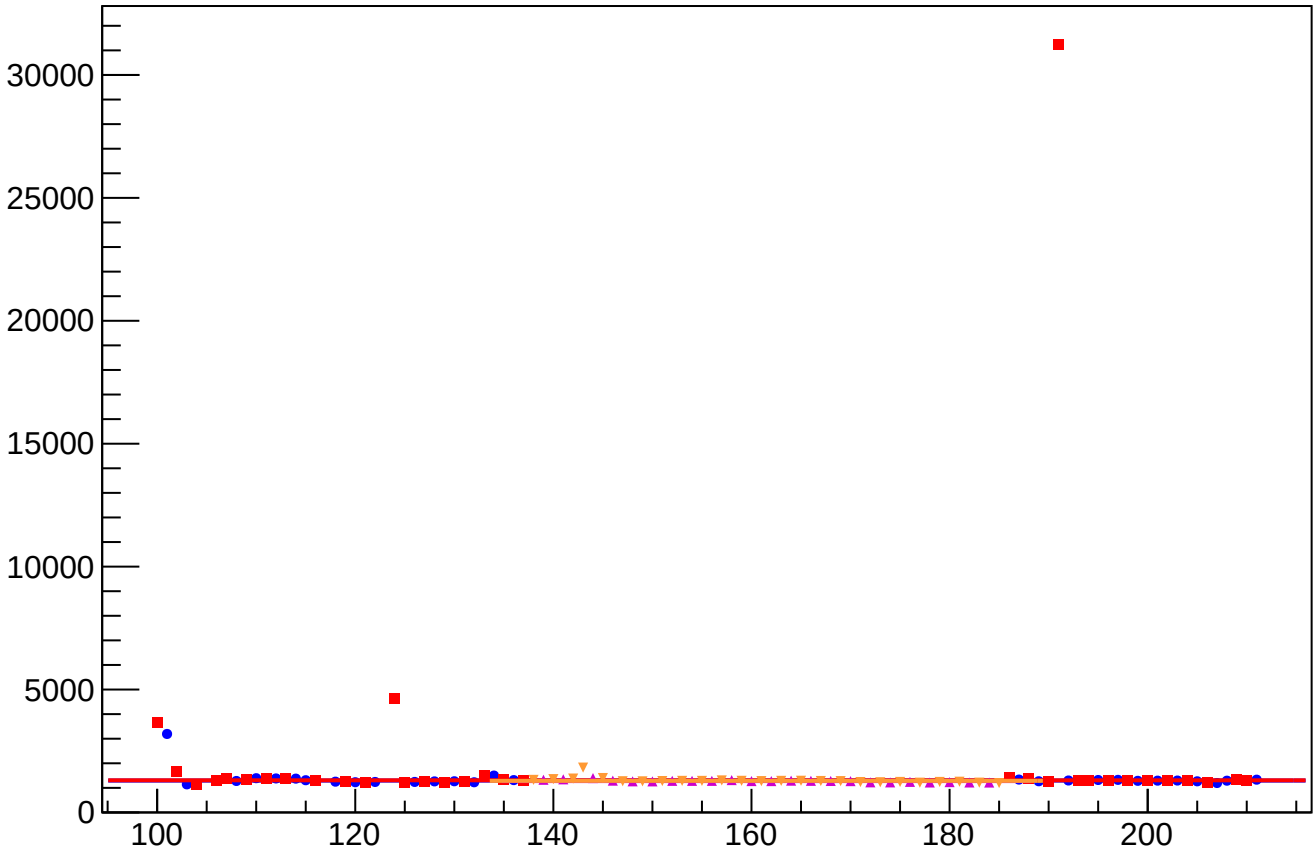
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2185.211+/-223.964 χ^2/NDF: 46.6/60

In: 2520.732+/-218.327 χ^2/NDF:37.4/50

Out: 1607.661+/-213.800 χ^2/NDF:63.7/57

All: 2054.632+/-152.755 χ^2/NDF: 110.0/108



Right In: 1296.379+/-0.227 χ^2/NDF: 533515.4/27

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.961+/-0.221 χ^2/NDF: 505573.8/32

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

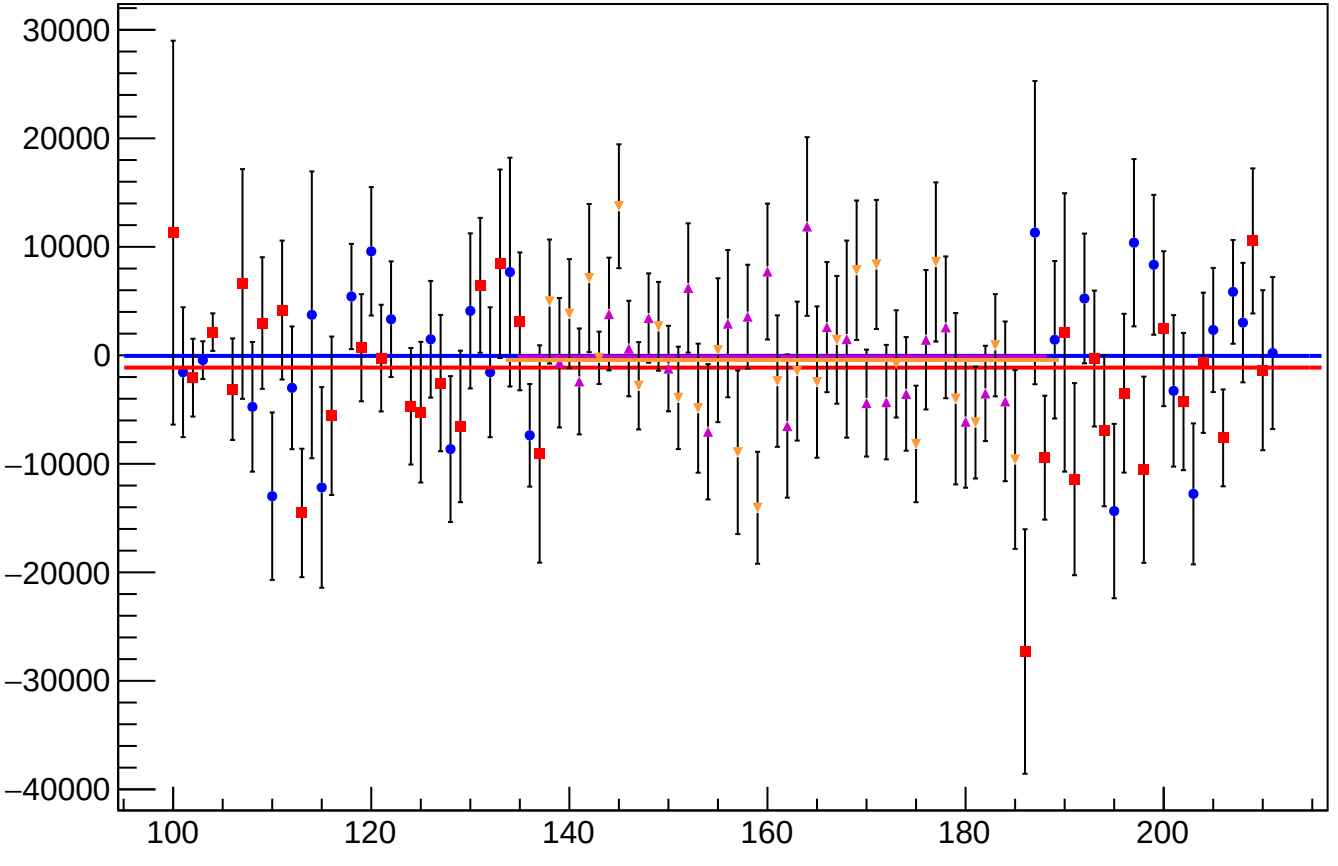
Right: 1302.315+/-0.158 χ^2/NDF: 1040426.4/60

In: 1285.416+/-0.154 χ^2/NDF:579273.1/50

Out: 1296.071+/-0.151 χ^2/NDF:702026.6/57

All: 1290.857+/-0.108 χ^2/NDF: 1283732.4/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -51.258+/-1002.224 χ^2/NDF: 29.2/27

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1130.144+/-943.094 χ^2/NDF: 33.5/32

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

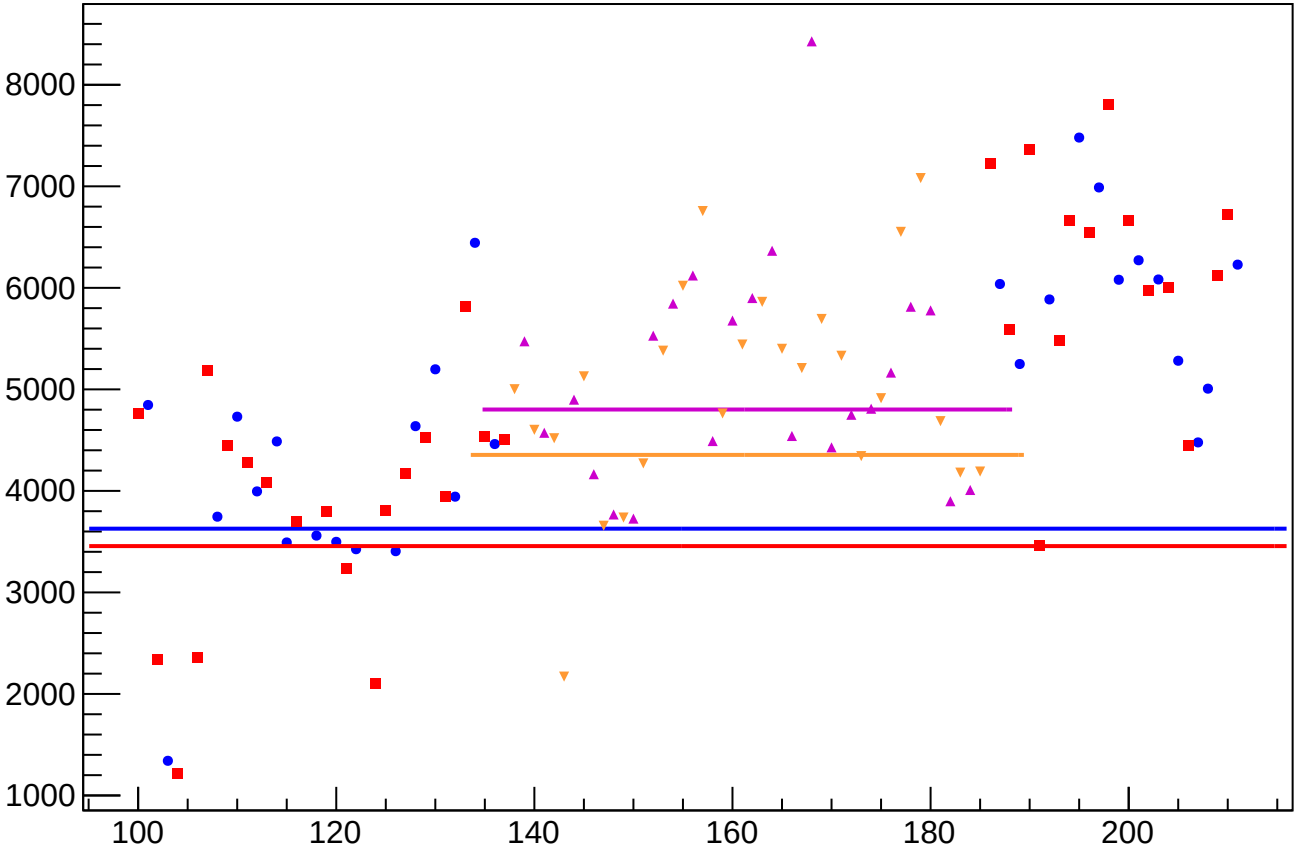
Right: -623.464+/-686.821 χ^2/NDF: 63.4/60

In: -80.786+/-754.049 χ^2/NDF:42.8/50

Out: -812.881+/-698.026 χ^2/NDF:63.6/57

All: -475.037+/-512.241 χ^2/NDF: 106.9/108

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3627.911+/-0.709 χ^2/NDF: 6726504.3/27

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3456.286+/-0.667 χ^2/NDF: 8326836.7/32

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

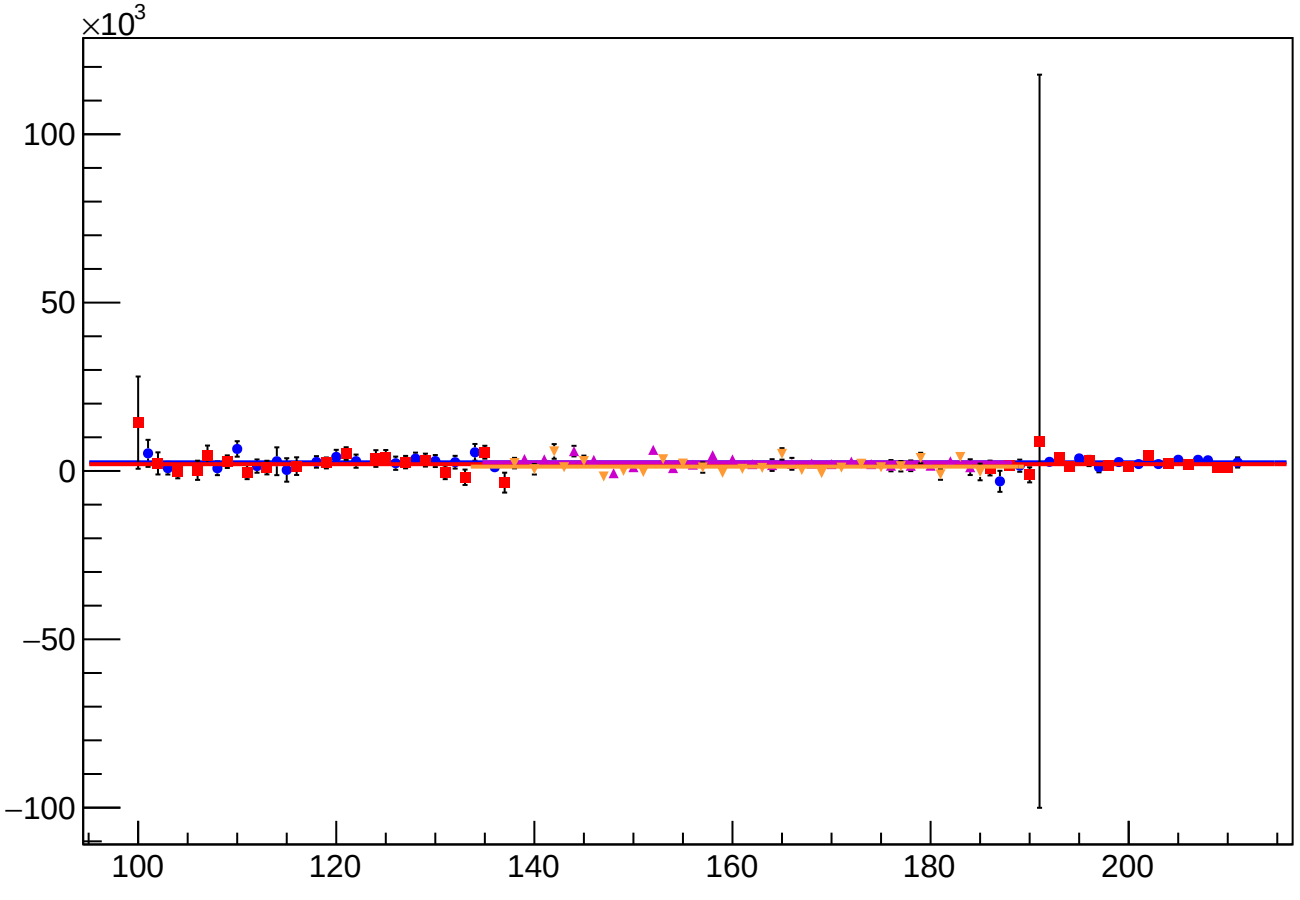
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3536.886+/-0.486 χ^2/NDF: 15084446.9/60

In: 4137.197+/-0.533 χ^2/NDF:9148556.4/50

Out: 3862.451+/-0.494 χ^2/NDF:12218733.0/57

All: 3989.240+/-0.362 χ^2/NDF: 21510277.2/



Right In: 2568.789+/-329.175 χ^2/NDF: 15.5/27

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2012.009+/-319.712 χ^2/NDF: 30.6/32

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

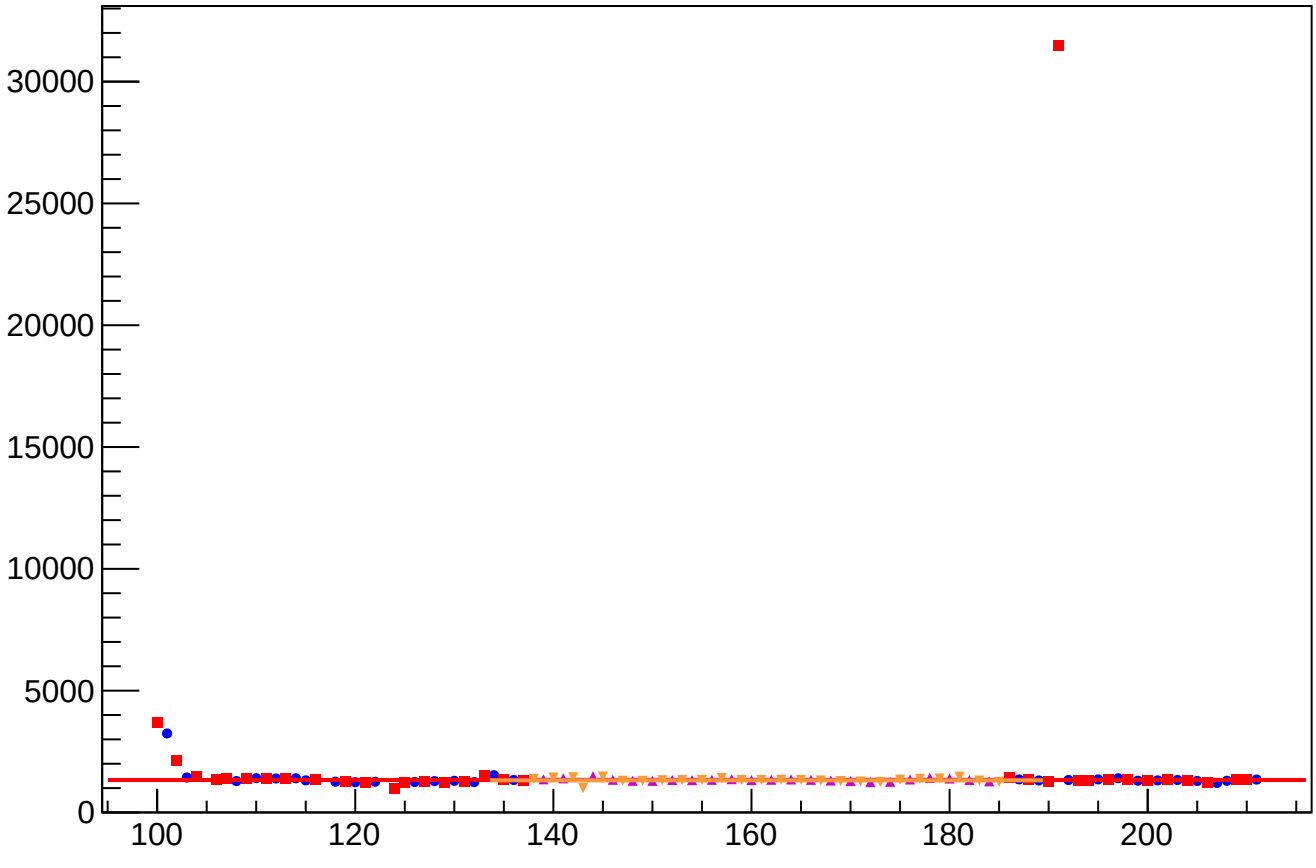
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2282.282+/-229.343 χ^2/NDF: 47.6/60

In: 2549.352+/-226.784 χ^2/NDF:40.6/50

Out: 1625.734+/-218.974 χ^2/NDF:66.8/57

All: 2071.366+/-157.527 χ^2/NDF: 115.9/108



Right In: 1330.602+/-0.233 χ^2/NDF: 522549.9/27

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1334.316+/-0.226 χ^2/NDF: 447761.6/32

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

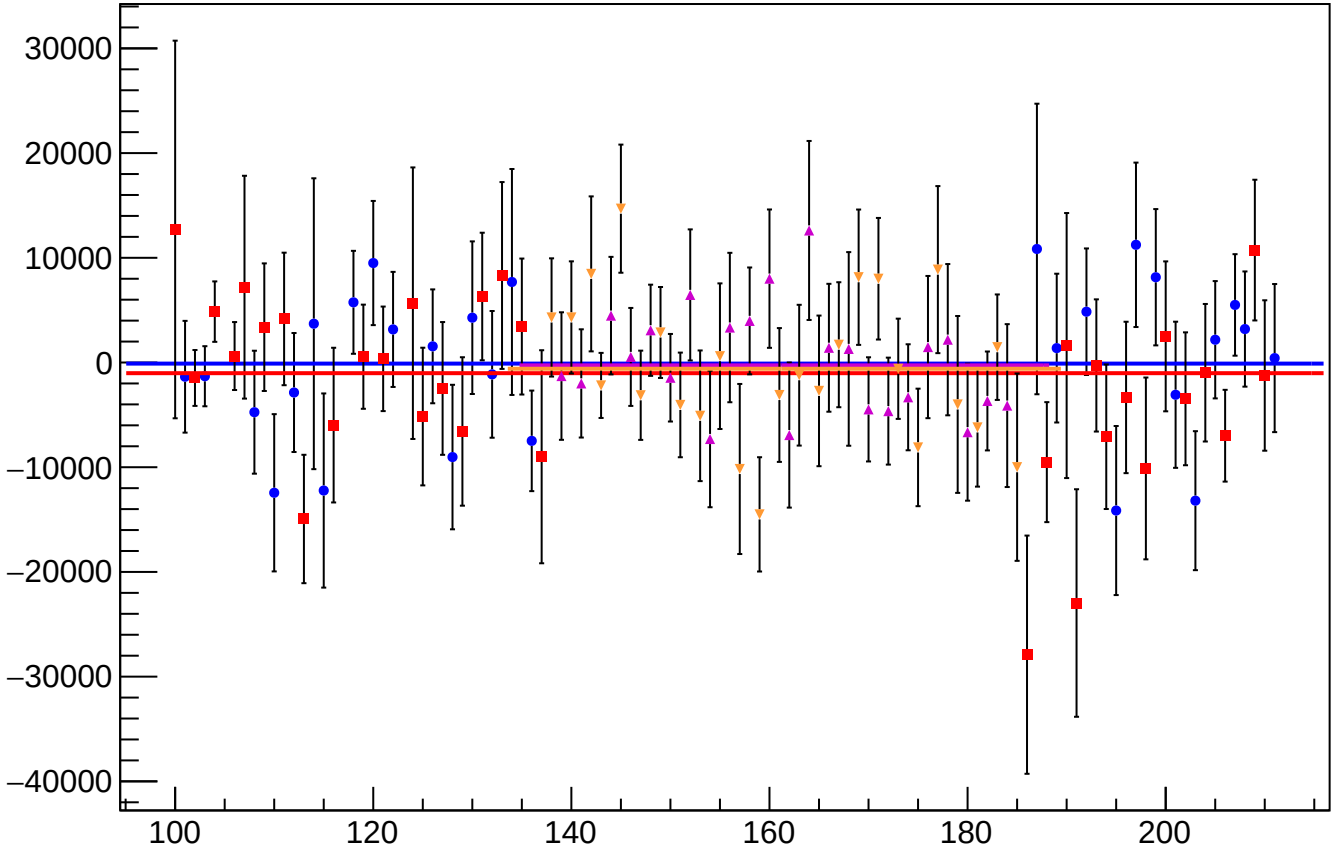
Right: 1332.514+/-0.162 χ^2/NDF: 970442.6/60

In: 1334.805+/-0.160 χ^2/NDF:577419.0/50

Out: 1325.748+/-0.155 χ^2/NDF:699016.6/57

All: 1330.118+/-0.111 χ^2/NDF: 1278086.5/10

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -103.839+/-1128.490 χ^2/NDF: 29.0/27

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -1018.115+/-1008.057 χ^2/NDF: 36.7/32

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

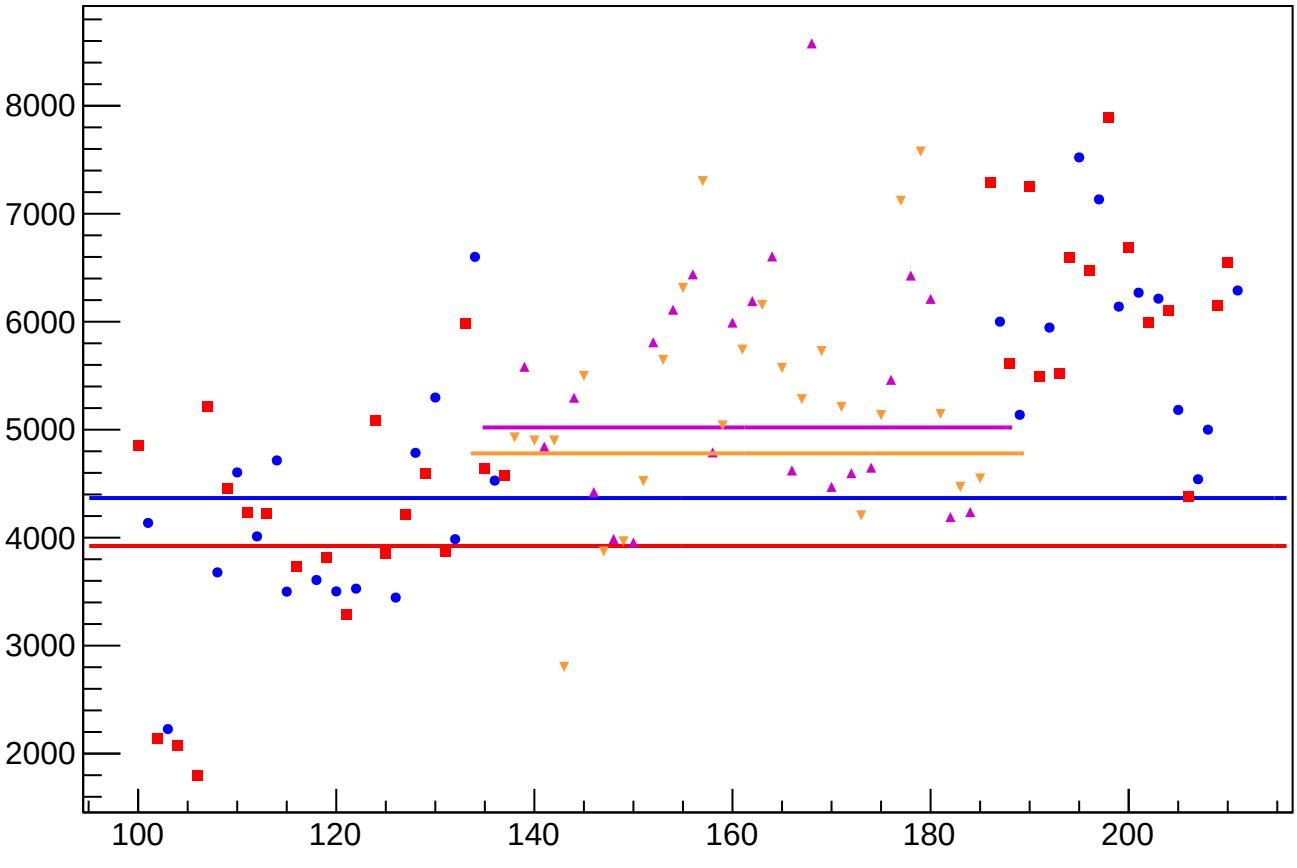
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -612.350+/-751.790 χ^2/NDF: 66.1/60

In: -183.414+/-821.052 χ^2/NDF:42.4/50

Out: -829.142+/-749.947 χ^2/NDF:66.4/57

All: -535.445+/-553.727 χ^2/NDF: 109.1/108



Right In: 4366.924+/-0.798 χ^2/NDF: 2914732.2/27

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3922.813+/-0.713 χ^2/NDF: 5709987.5/32

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

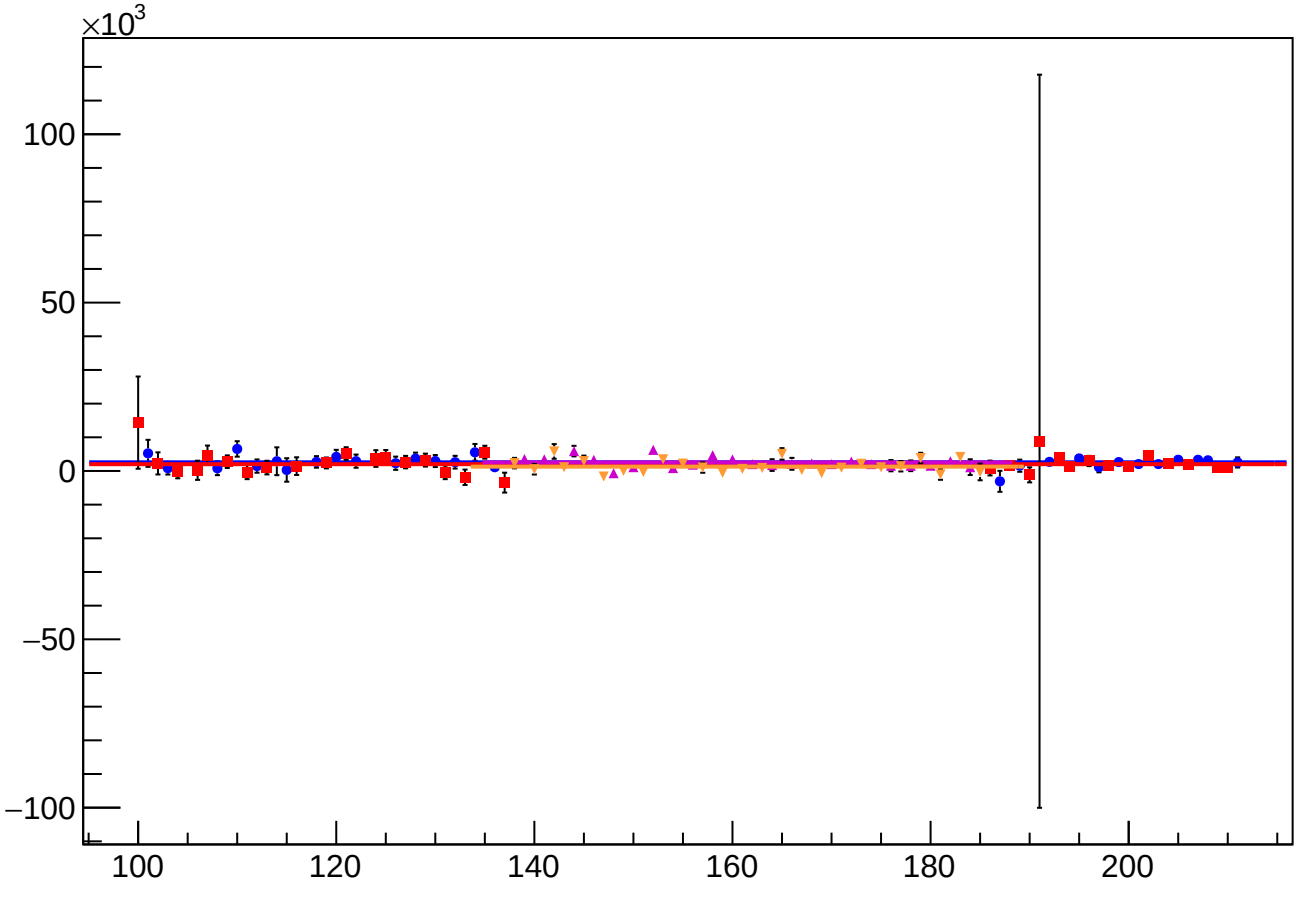
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4119.914+/-0.532 χ^2/NDF: 8797001.5/60

In: 4674.556+/-0.581 χ^2/NDF:4455616.0/50

Out: 4305.753+/-0.530 χ^2/NDF:8362579.4/57

All: 4473.496+/-0.392 χ^2/NDF: 13038187.9/



Right In: 2568.787+/-329.175 χ^2/NDF: 15.5/27

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2012.007+/-319.712 χ^2/NDF: 30.6/32

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

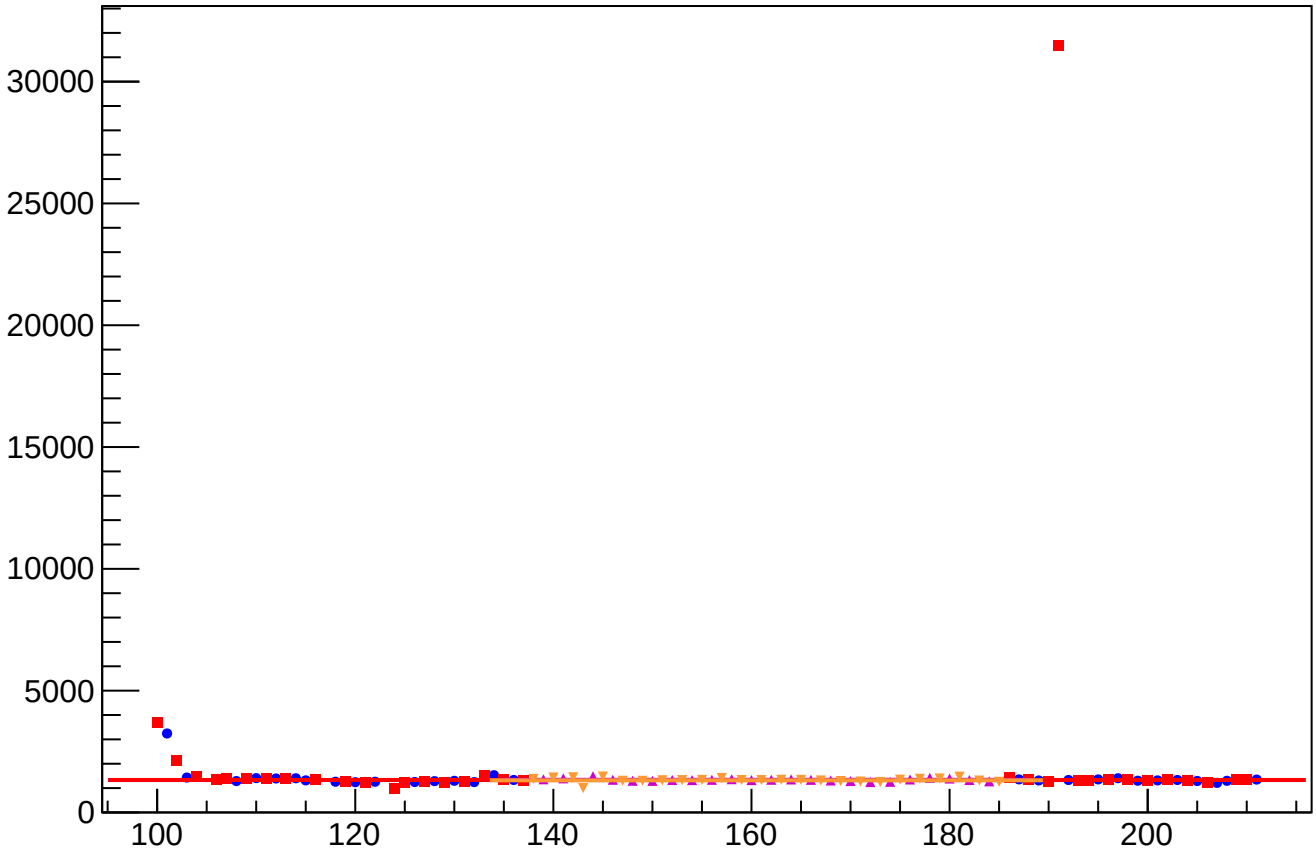
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2282.279+/-229.343 χ^2/NDF: 47.6/60

In: 2549.351+/-226.784 χ^2/NDF:40.6/50

Out: 1625.731+/-218.974 χ^2/NDF:66.8/57

All: 2071.364+/-157.527 χ^2/NDF: 115.9/108



Right In: 1330.602+/-0.233 χ^2/NDF: 522550.1/27

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1334.316+/-0.226 χ^2/NDF: 447760.6/32

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

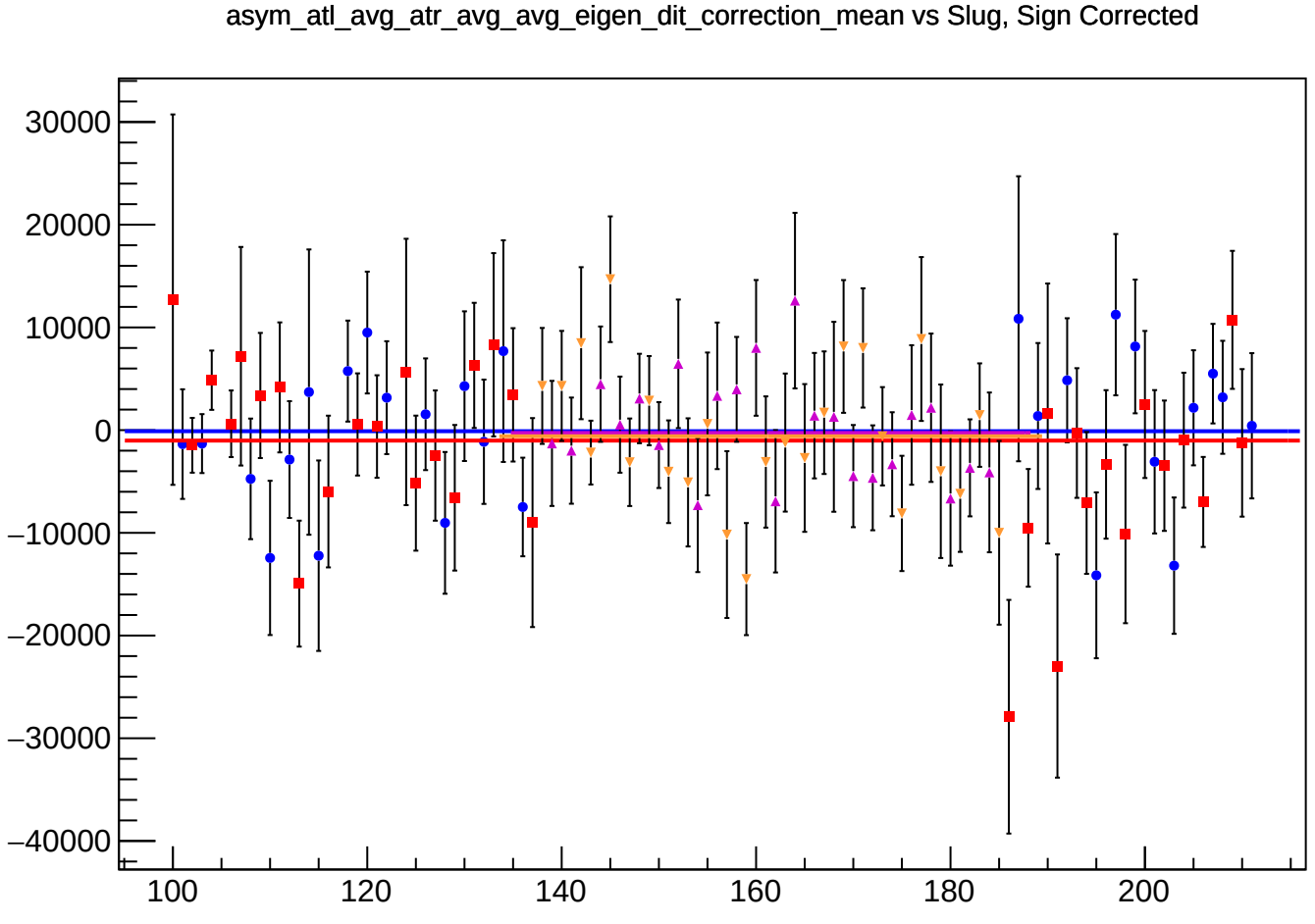
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1332.514+/-0.162 χ^2/NDF: 970441.7/60

In: 1334.806+/-0.160 χ^2/NDF:577421.9/50

Out: 1325.749+/-0.155 χ^2/NDF:699017.6/57

All: 1330.118+/-0.111 χ^2/NDF: 1278090.5/10



Right In: -103.837+/-1128.490 χ^2/NDF: 29.0/27

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -1018.109+/-1008.056 χ^2/NDF: 36.7/32

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

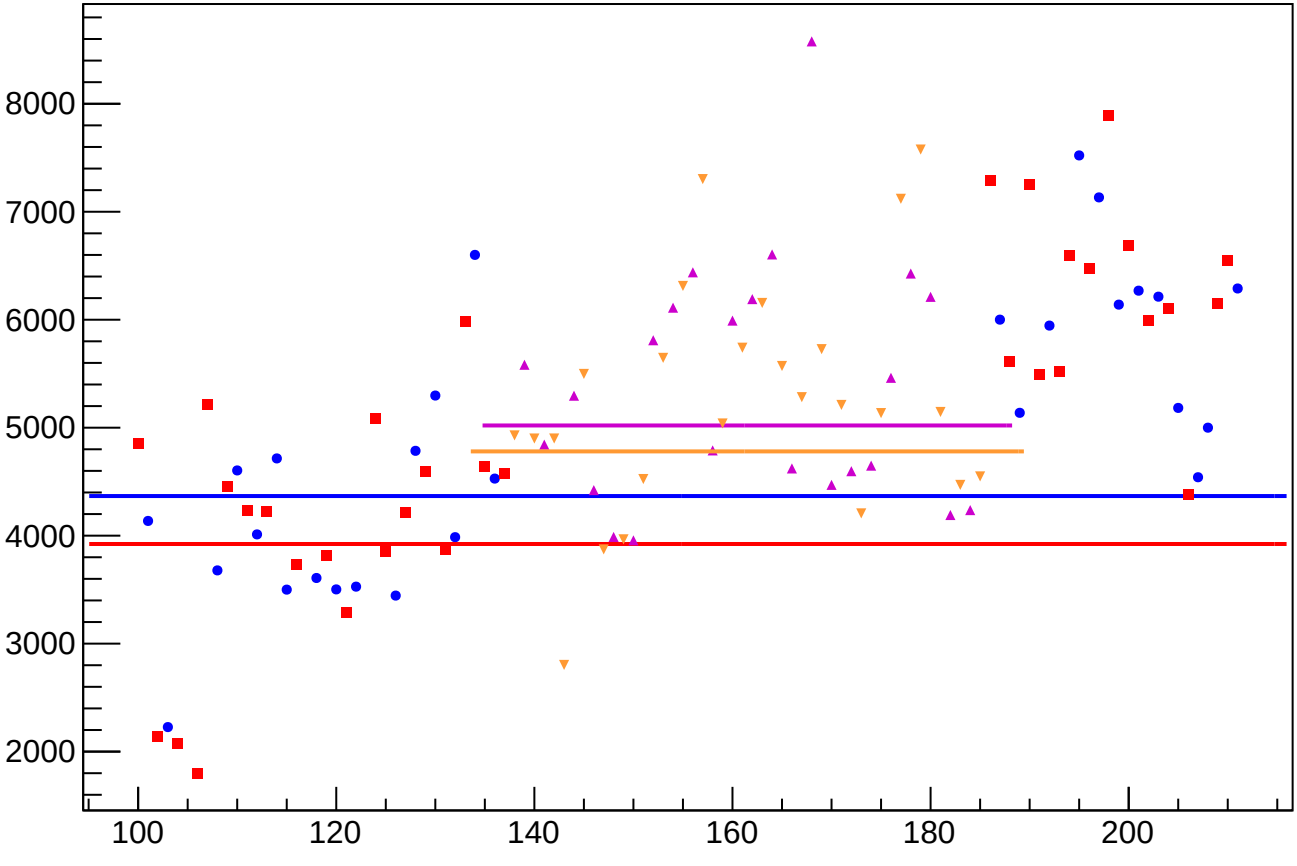
Right: -612.346+/-751.789 χ^2/NDF: 66.1/60

In: -183.414+/-821.052 χ^2/NDF:42.4/50

Out: -829.141+/-749.947 χ^2/NDF:66.4/57

All: -535.444+/-553.728 χ^2/NDF: 109.1/108

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4366.918+/-0.798 χ^2/NDF: 2914763.6/27

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3922.805+/-0.713 χ^2/NDF: 5710028.5/32

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

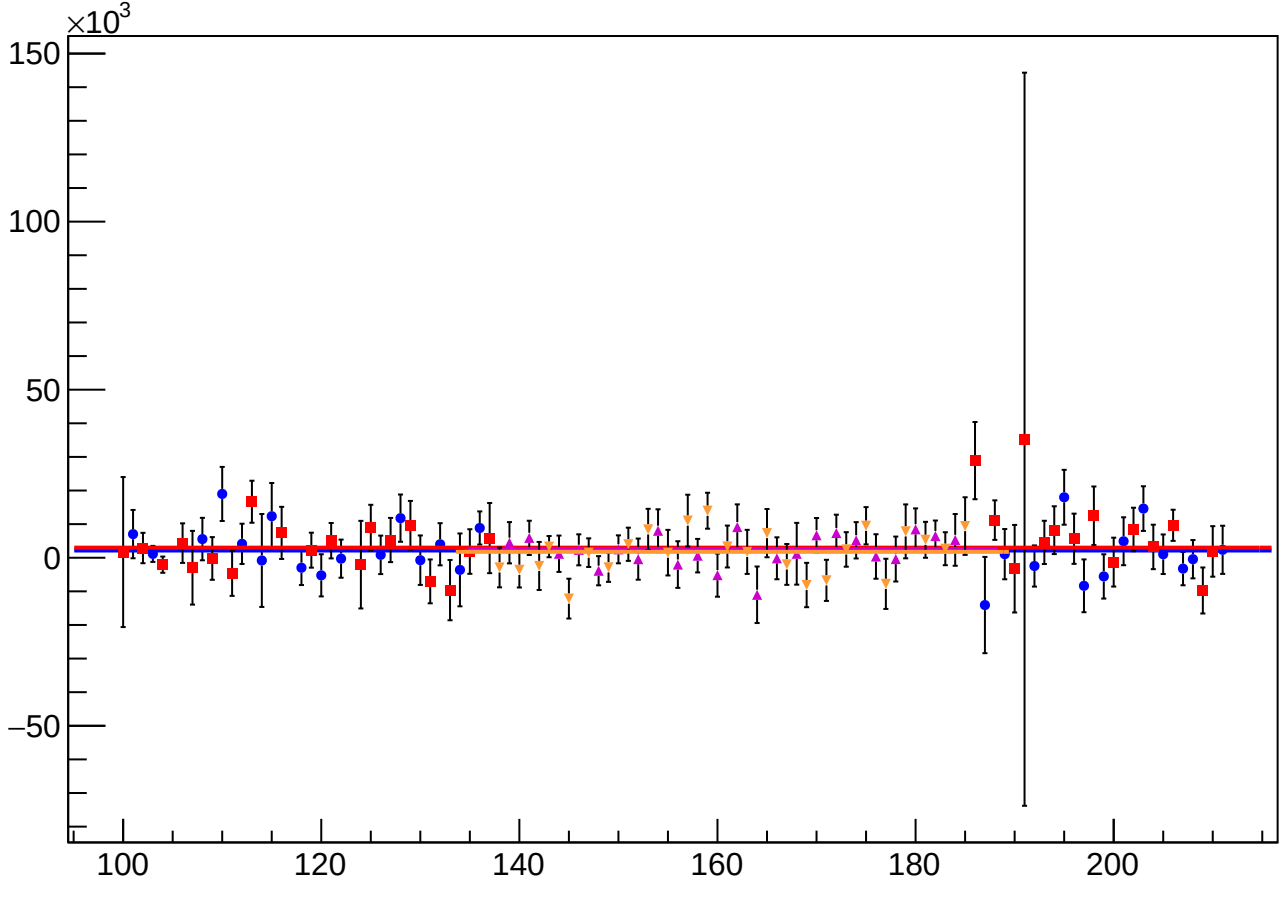
Right: 4119.907+/-0.532 χ^2/NDF: 8797076.0/60

In: 4674.555+/-0.581 χ^2/NDF:4455663.7/50

Out: 4305.750+/-0.530 χ^2/NDF:8362645.6/57

All: 4473.494+/-0.392 χ^2/NDF: 13038304.1/1

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2156.509+/-1129.408 χ^2/NDF: 27.3/27

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 3001.944+/-1098.800 χ^2/NDF: 33.7/32

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

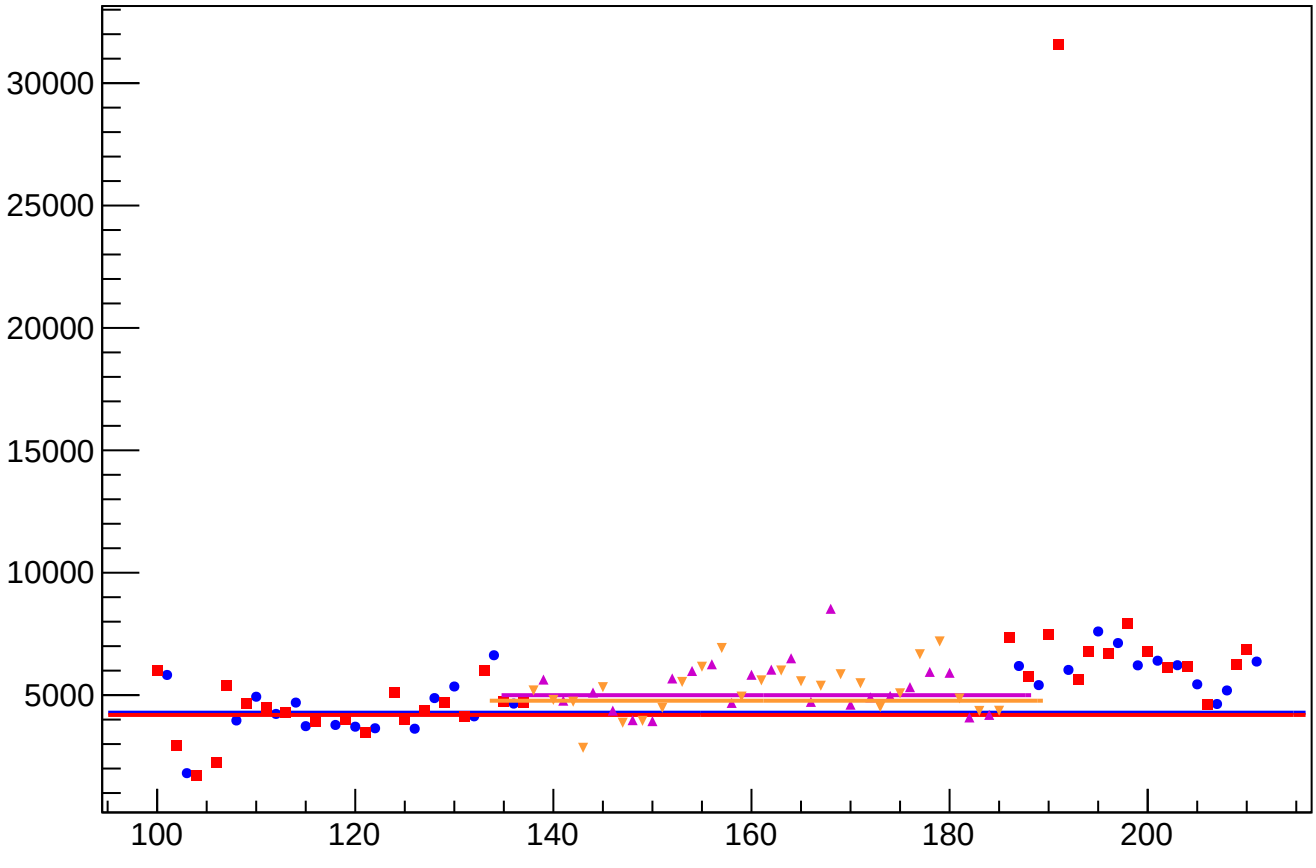
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2590.838+/-787.567 χ^2/NDF: 61.3/60

In: 2357.455+/-818.689 χ^2/NDF:40.6/50

Out: 2391.574+/-783.059 χ^2/NDF:62.0/57

All: 2375.273+/-565.883 χ^2/NDF: 102.6/108



Right In: 4282.274+/-0.799 χ^2/NDF: 4185621.5/27

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4190.376+/-0.770 χ^2/NDF: 5395753.2/32

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

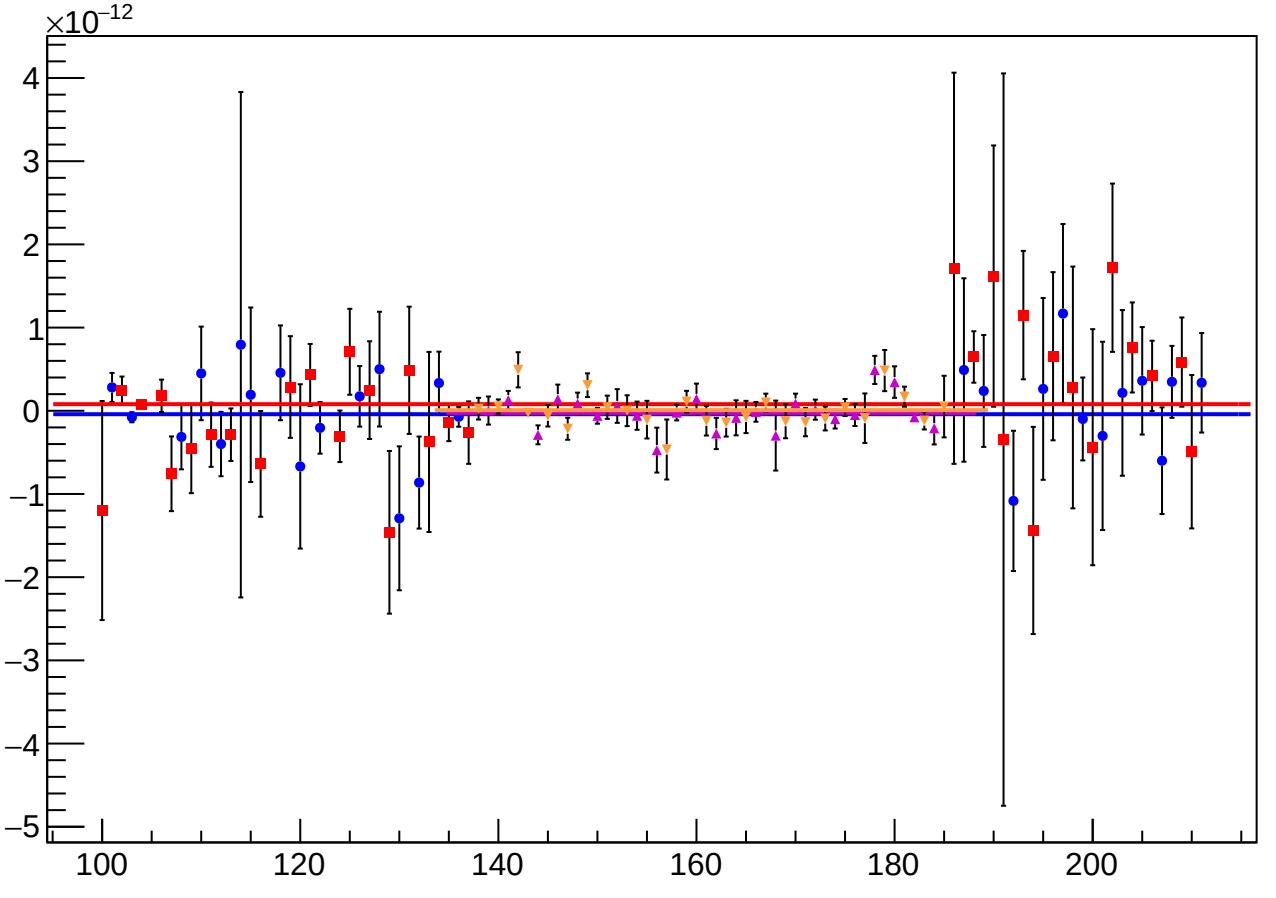
Right: 4234.635+/-0.554 χ^2/NDF: 9588239.2/60

In: 4621.309+/-0.579 χ^2/NDF:5661290.5/50

Out: 4473.498+/-0.551 χ^2/NDF:7460362.4/57

All: 4543.766+/-0.399 χ^2/NDF: 13155854.4/1

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/32

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

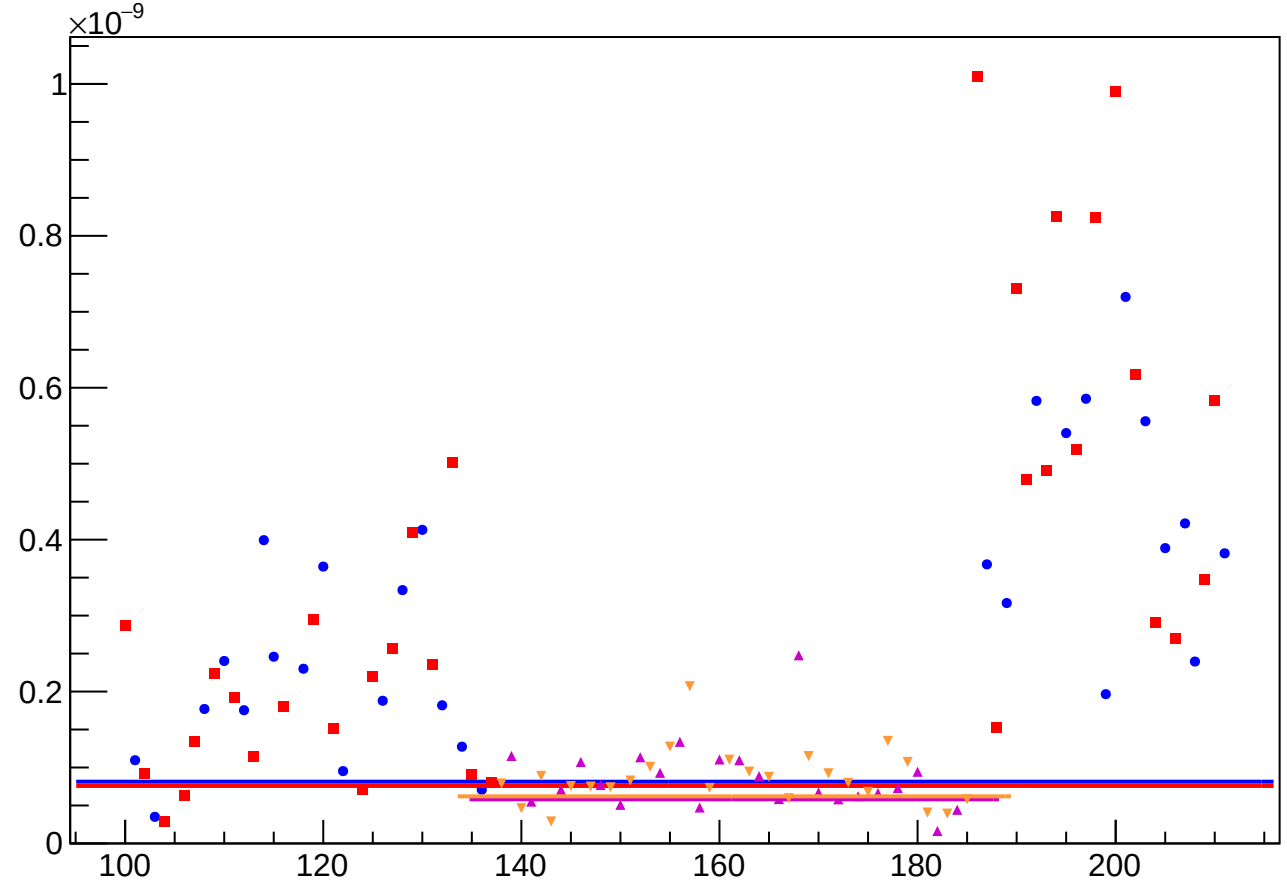
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 56.8/60

In: -0.000+/-0.000 χ^2/NDF:51.3/50

Out: 0.000+/-0.000 χ^2/NDF:62.8/57

All: -0.000+/-0.000 χ^2/NDF: 116.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 7688439.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9406402.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

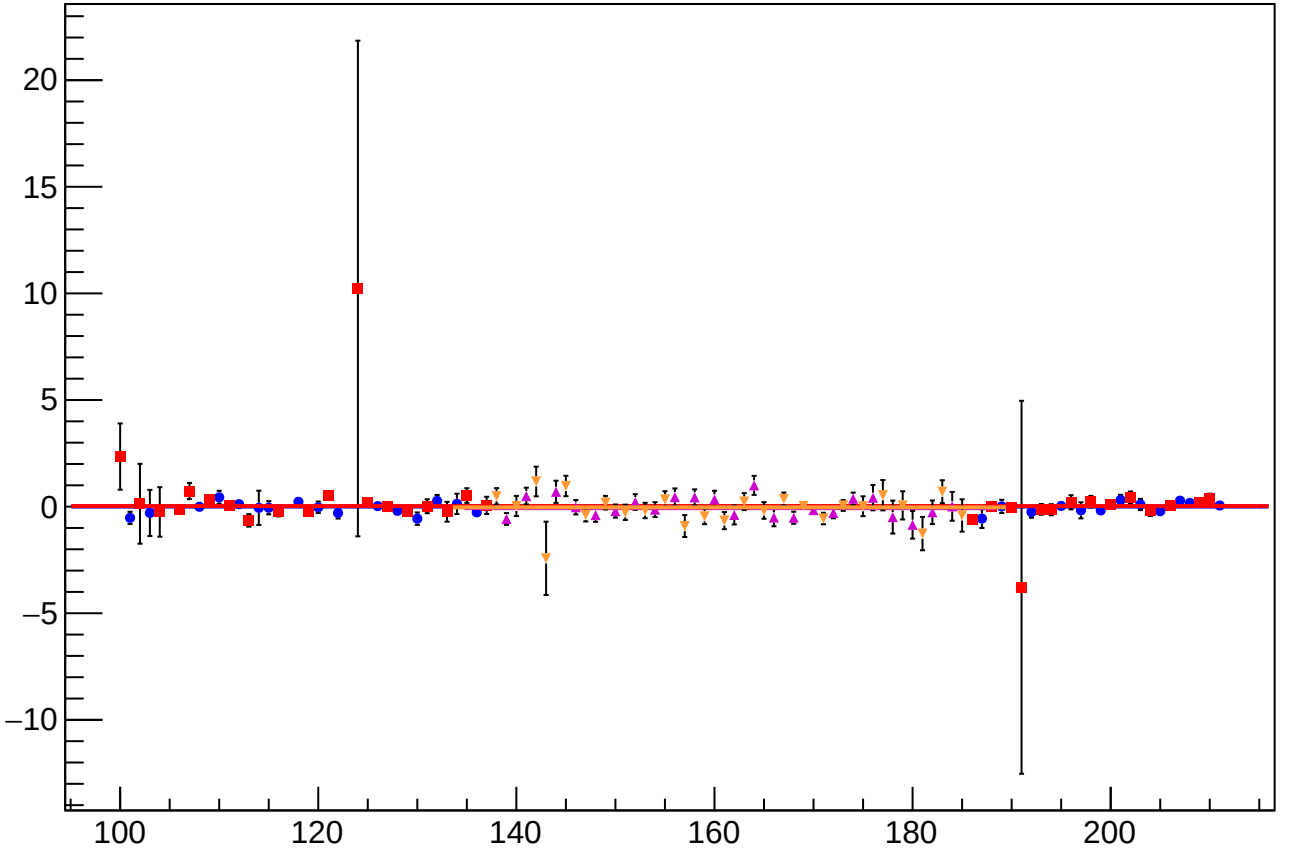
Right: 0.000+/-0.000 χ^2/NDF: 17109211.4/60

In: 0.000+/-0.000 χ^2/NDF:11024710.0/50

Out: 0.000+/-0.000 χ^2/NDF:11984171.9/57

All: 0.000+/-0.000 χ^2/NDF: 23014693.9/108

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

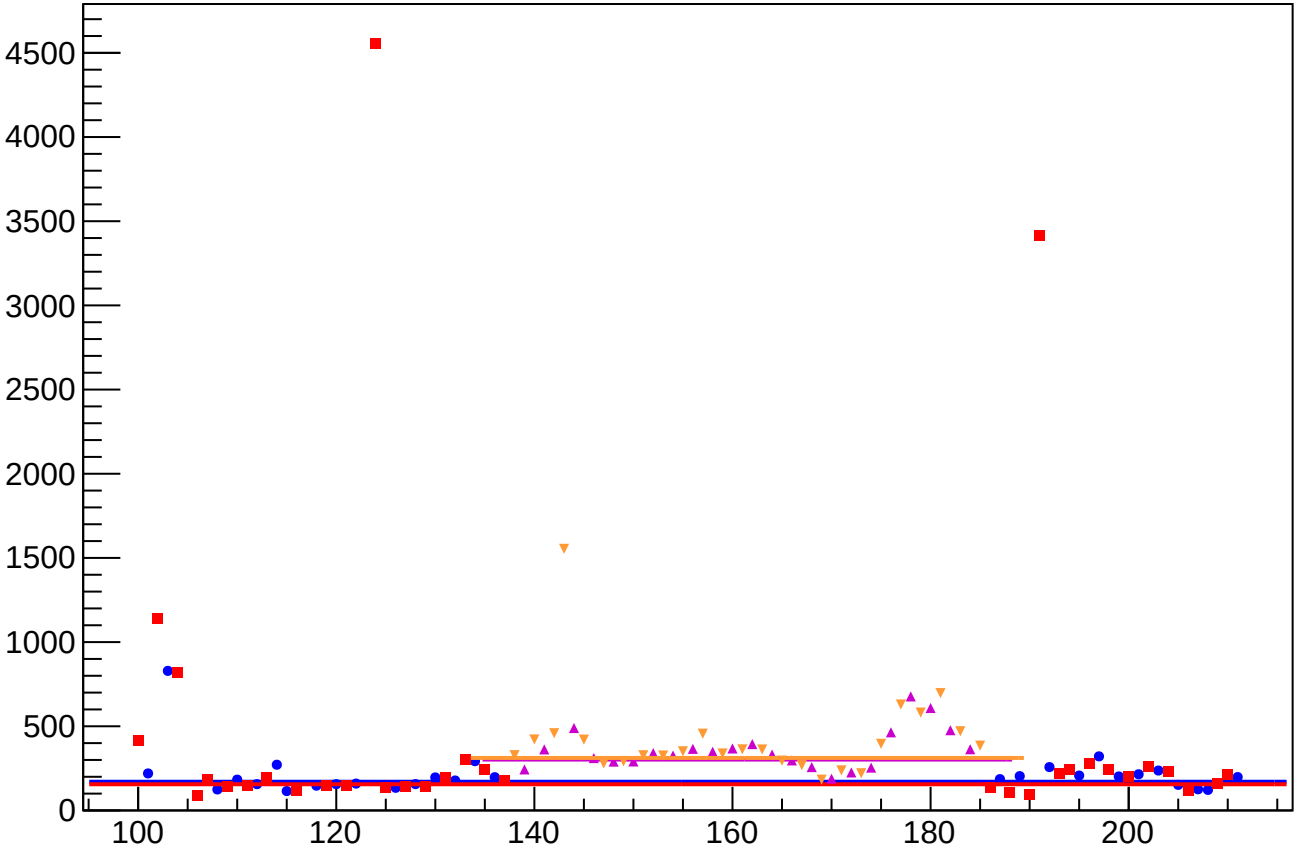
Right: 0.016+/-0.031 χ^2/NDF: 70.6/60

In: -0.015+/-0.039 χ^2/NDF:58.2/50

Out: 0.011+/-0.037 χ^2/NDF:75.9/57

All: -0.001+/-0.027 χ^2/NDF: 134.4/108

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 170.506+/-0.032 χ^2/NDF: 2634565.4/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 155.616+/-0.029 χ^2/NDF: 4879712.2/32

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

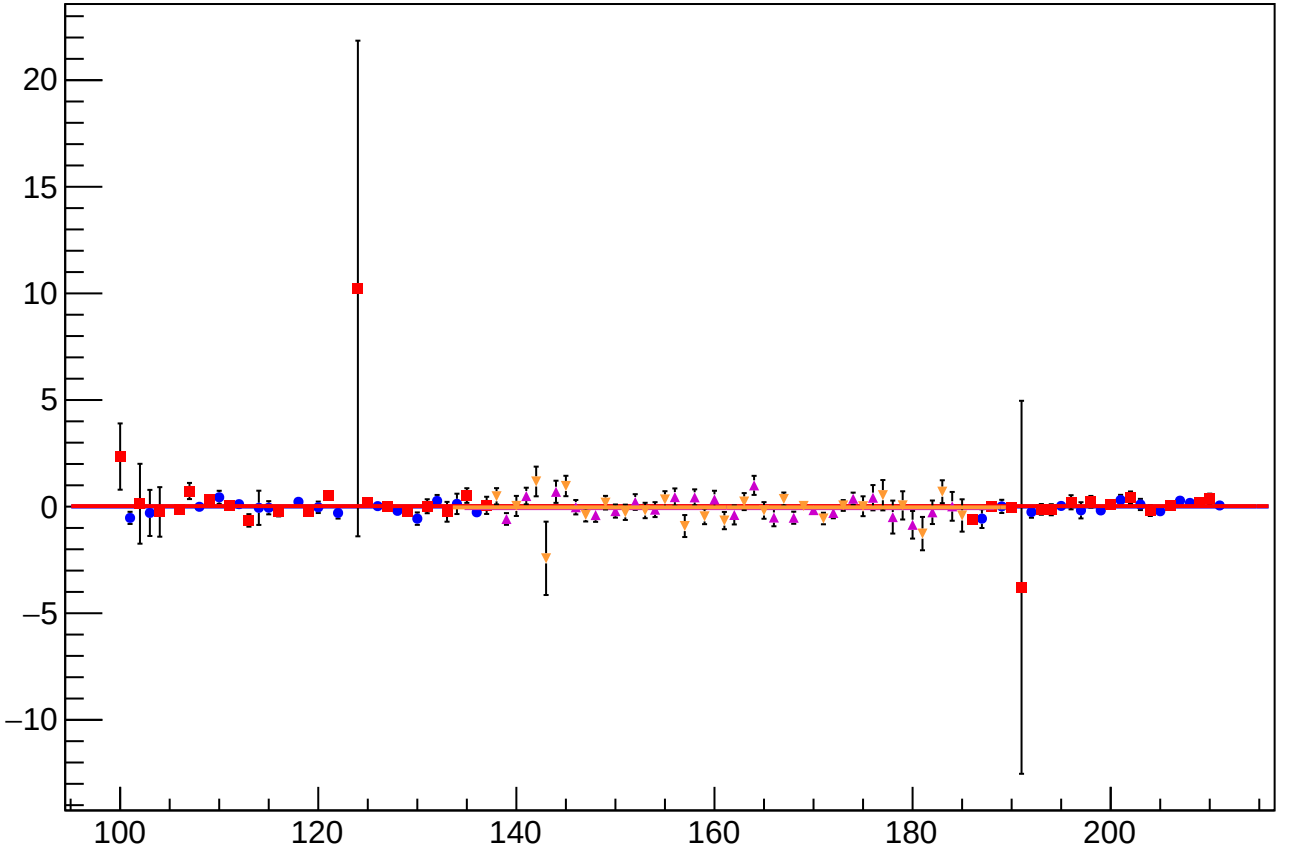
Right: 162.412+/-0.022 χ^2/NDF: 7631450.2/60

In: 205.889+/-0.027 χ^2/NDF:9979868.5/50

Out: 191.121+/-0.026 χ^2/NDF:15657152.6/57

All: 198.063+/-0.019 χ^2/NDF: 25790585.5/10

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

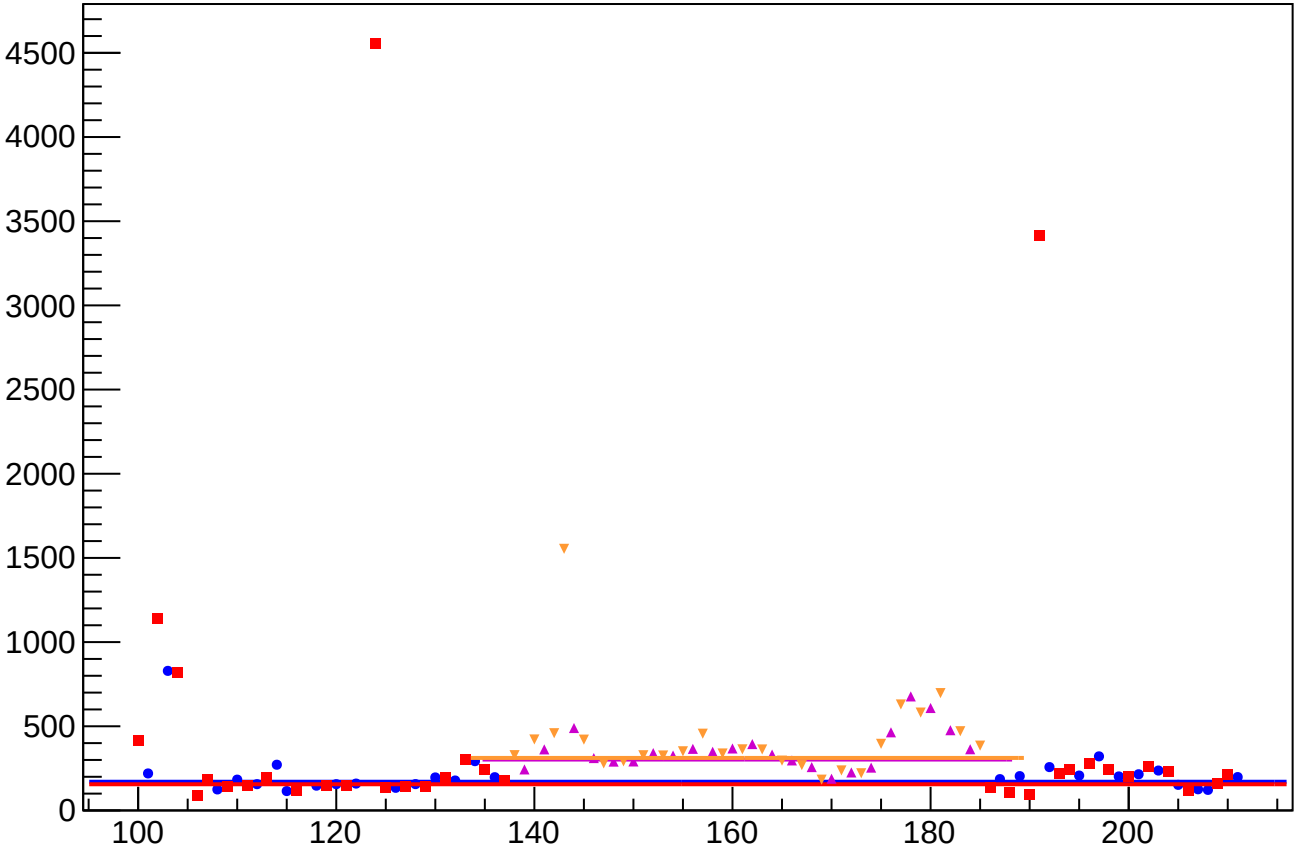
Right: 0.016+/-0.031 χ^2/NDF: 70.6/60

In: -0.015+/-0.039 χ^2/NDF:58.2/50

Out: 0.011+/-0.037 χ^2/NDF:75.9/57

All: -0.001+/-0.027 χ^2/NDF: 134.4/108

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 170.506+/-0.032 χ^2/NDF: 2634565.4/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 155.616+/-0.029 χ^2/NDF: 4879712.2/32

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

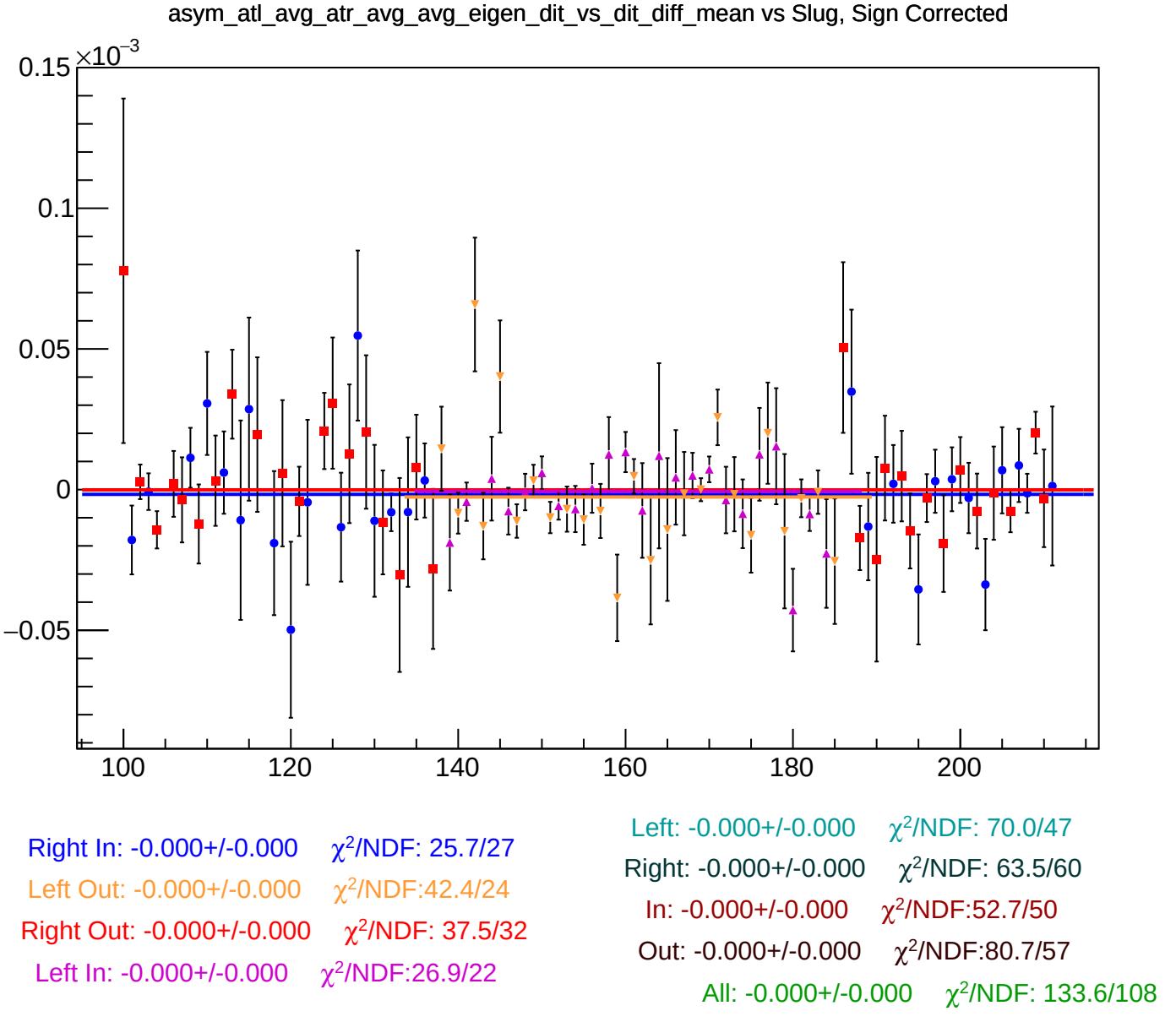
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 162.412+/-0.022 χ^2/NDF: 7631450.2/60

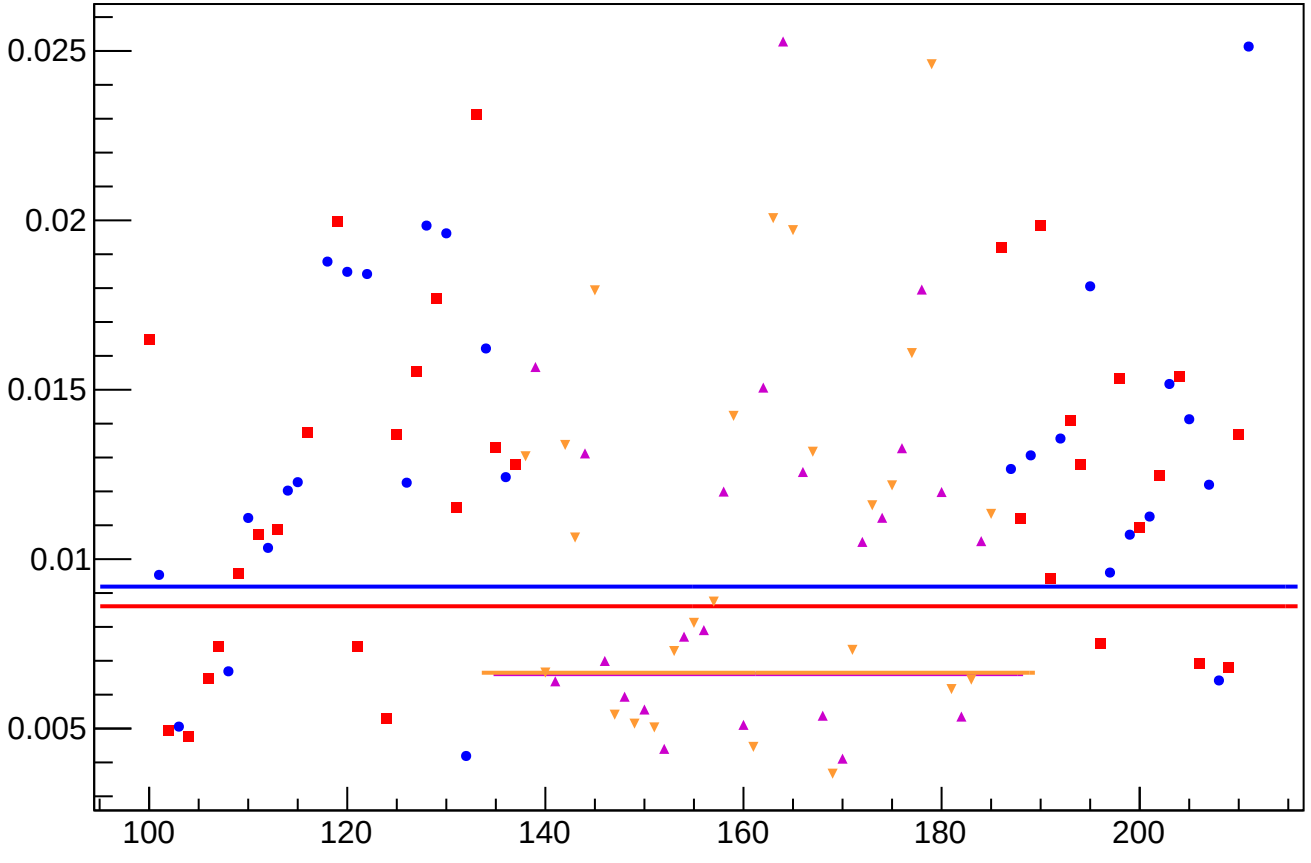
In: 205.889+/-0.027 χ^2/NDF:9979868.5/50

Out: 191.121+/-0.026 χ^2/NDF:15657152.6/57

All: 198.063+/-0.019 χ^2/NDF: 25790585.5/10


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.7/27
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.5/32
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 63.5/60
In: -0.000+/-0.000 χ²/NDF:52.7/50
Out: -0.000+/-0.000 χ²/NDF:80.7/57
All: -0.000+/-0.000 χ²/NDF: 133.6/108

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: 5954981.8/27

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5504598.4/32

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

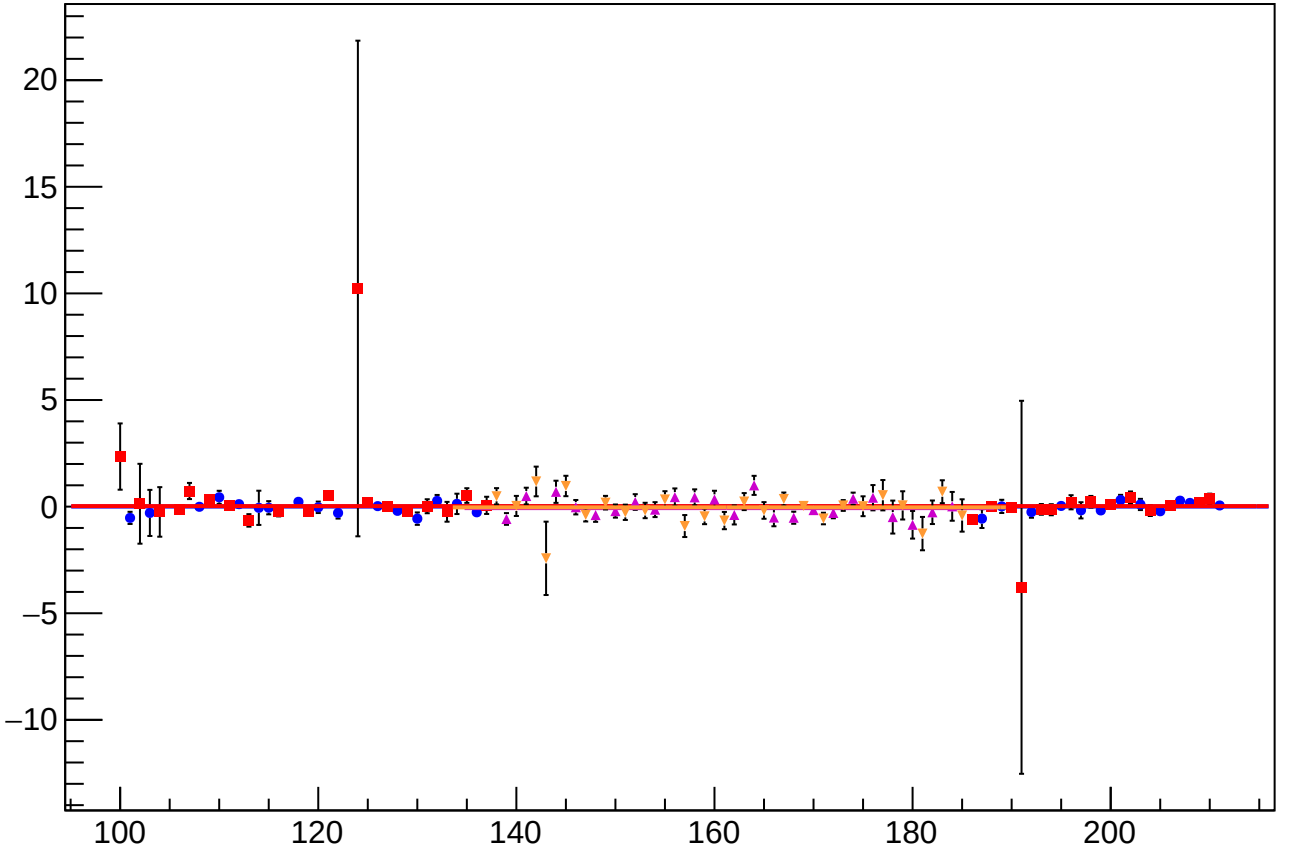
Right: 0.009+/-0.000 χ^2/NDF: 11518321.9/60

In: 0.007+/-0.000 χ^2/NDF:13208780.2/50

Out: 0.007+/-0.000 χ^2/NDF:13970048.6/57

All: 0.007+/-0.000 χ^2/NDF: 27181996.0/108

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

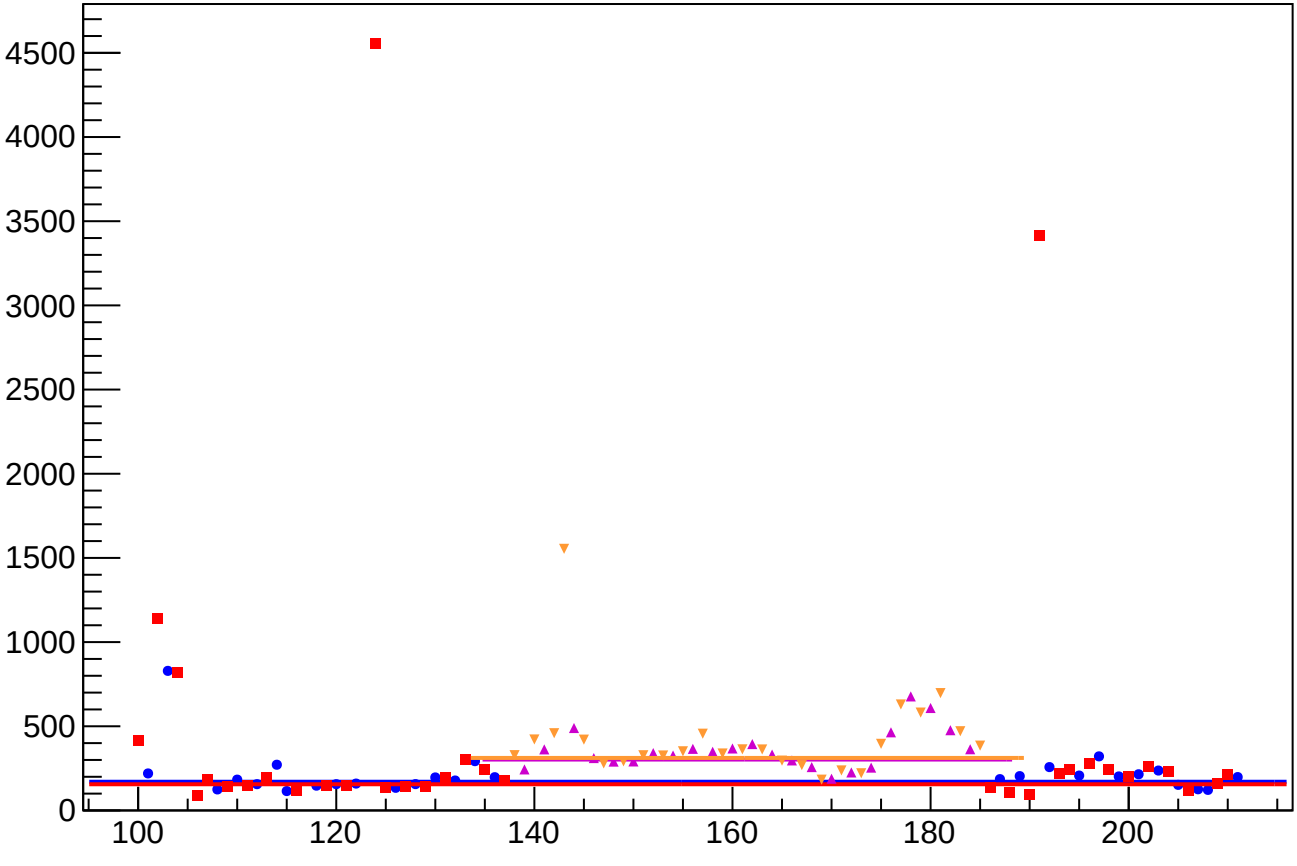
Right: 0.016+/-0.031 χ^2/NDF: 70.6/60

In: -0.015+/-0.039 χ^2/NDF:58.2/50

Out: 0.011+/-0.037 χ^2/NDF:75.9/57

All: -0.001+/-0.027 χ^2/NDF: 134.4/108

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 170.505+/-0.032 χ^2/NDF: 2634647.8/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 155.613+/-0.029 χ^2/NDF: 4879930.6/32

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

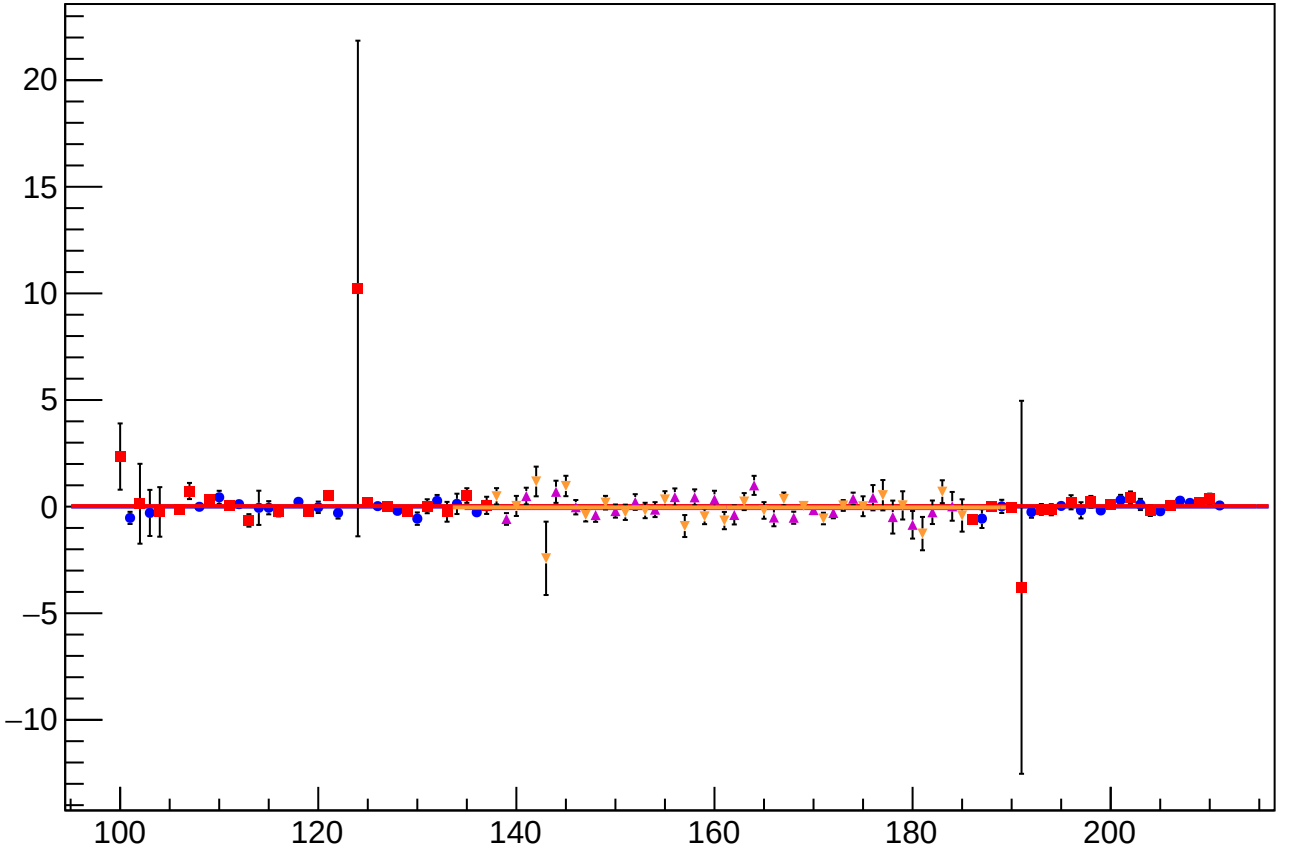
Right: 162.410+/-0.022 χ^2/NDF: 7631787.7/60

In: 205.888+/-0.027 χ^2/NDF:9980210.0/50

Out: 191.118+/-0.026 χ^2/NDF:15657856.2/57

All: 198.061+/-0.019 χ^2/NDF: 25791684.1/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.045 χ^2/NDF: 27.6/27

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.025+/-0.042 χ^2/NDF: 42.9/32

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

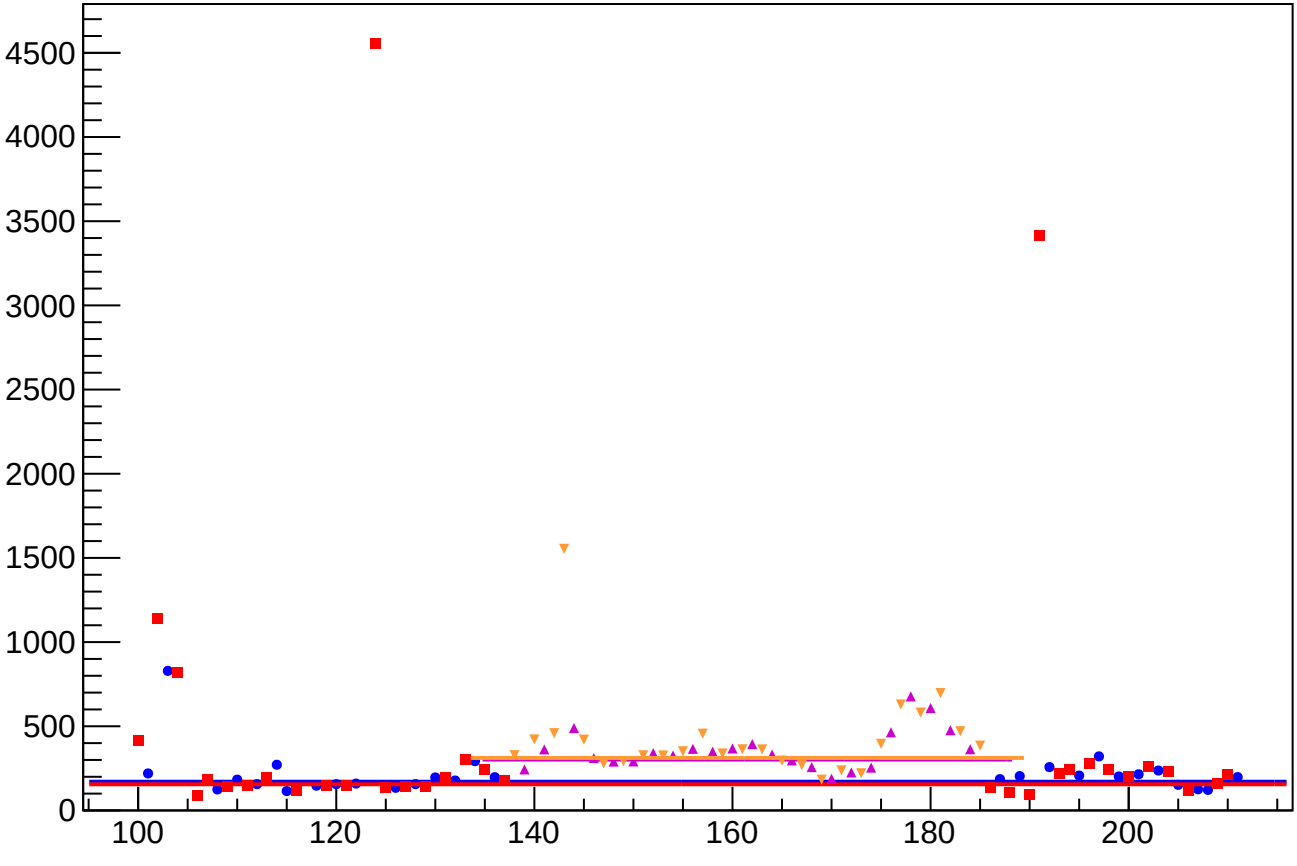
Right: 0.016+/-0.031 χ^2/NDF: 70.6/60

In: -0.015+/-0.039 χ^2/NDF:58.2/50

Out: 0.011+/-0.037 χ^2/NDF:75.9/57

All: -0.001+/-0.027 χ^2/NDF: 134.4/108

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 170.505+/-0.032 χ^2/NDF: 2634647.8/27

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 155.613+/-0.029 χ^2/NDF: 4879930.6/32

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

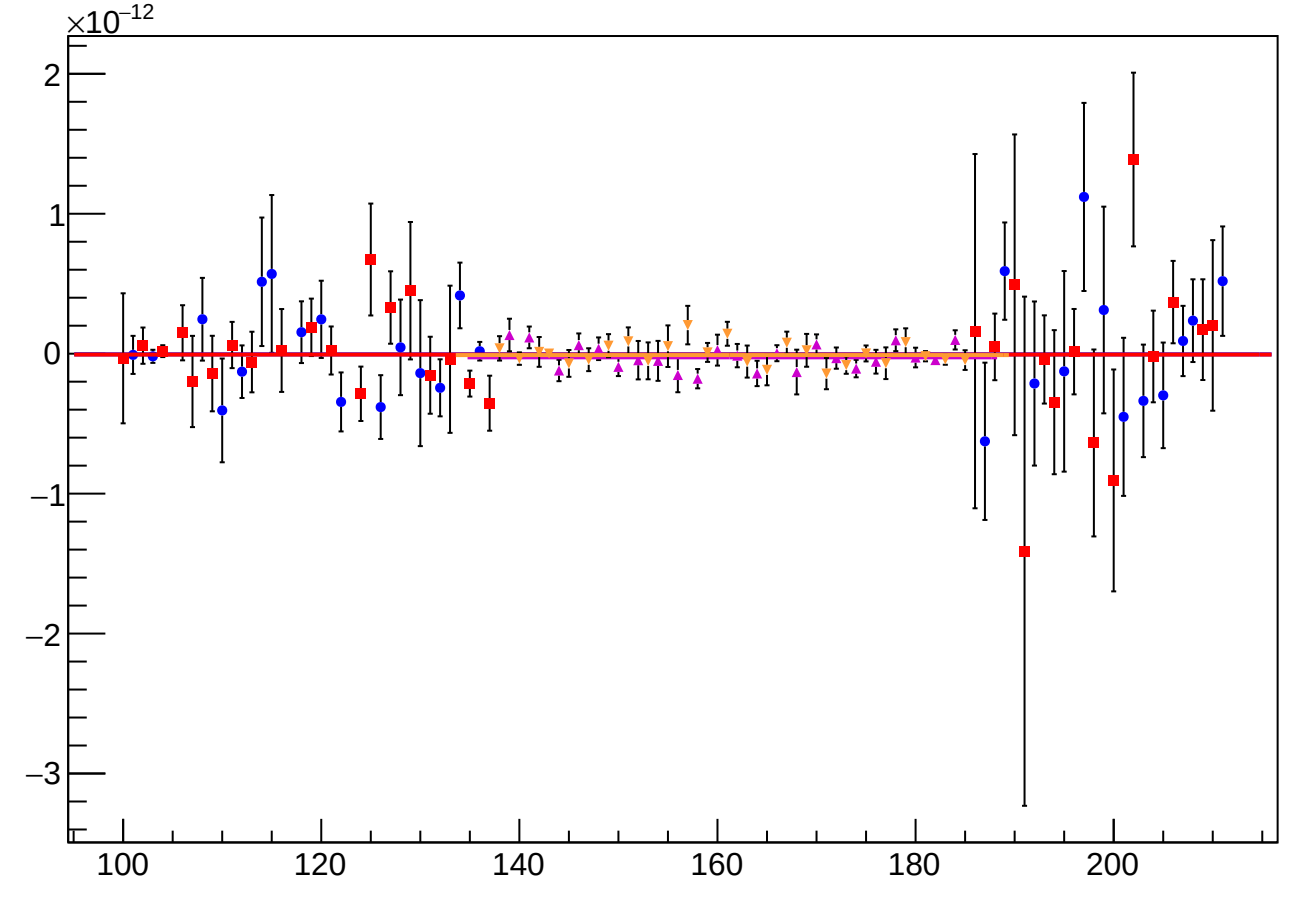
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 162.410+/-0.022 χ^2/NDF: 7631787.7/60

In: 205.888+/-0.027 χ^2/NDF:9980210.0/50

Out: 191.118+/-0.026 χ^2/NDF:15657856.2/57

All: 198.061+/-0.019 χ^2/NDF: 25791684.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/32

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

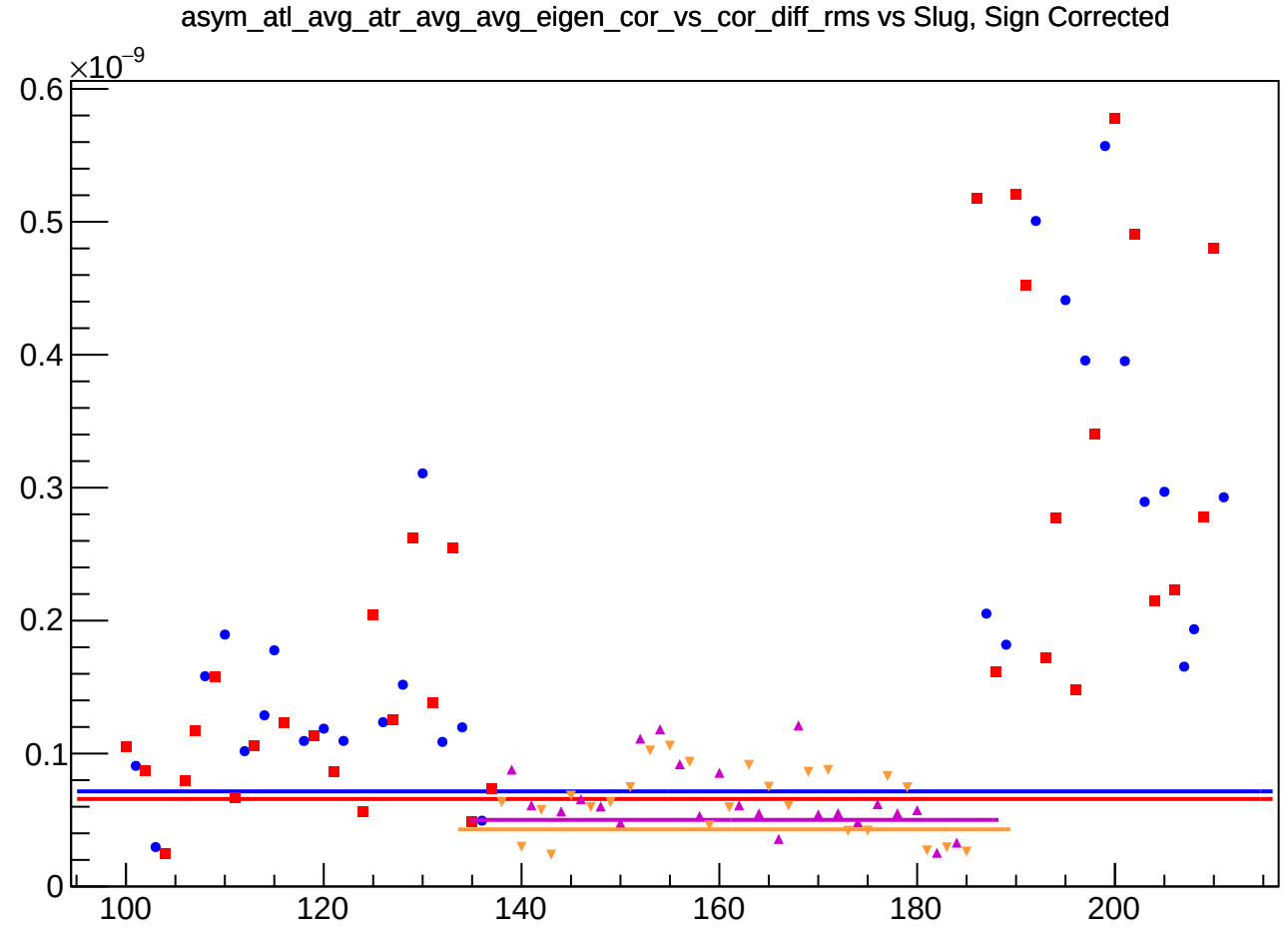
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

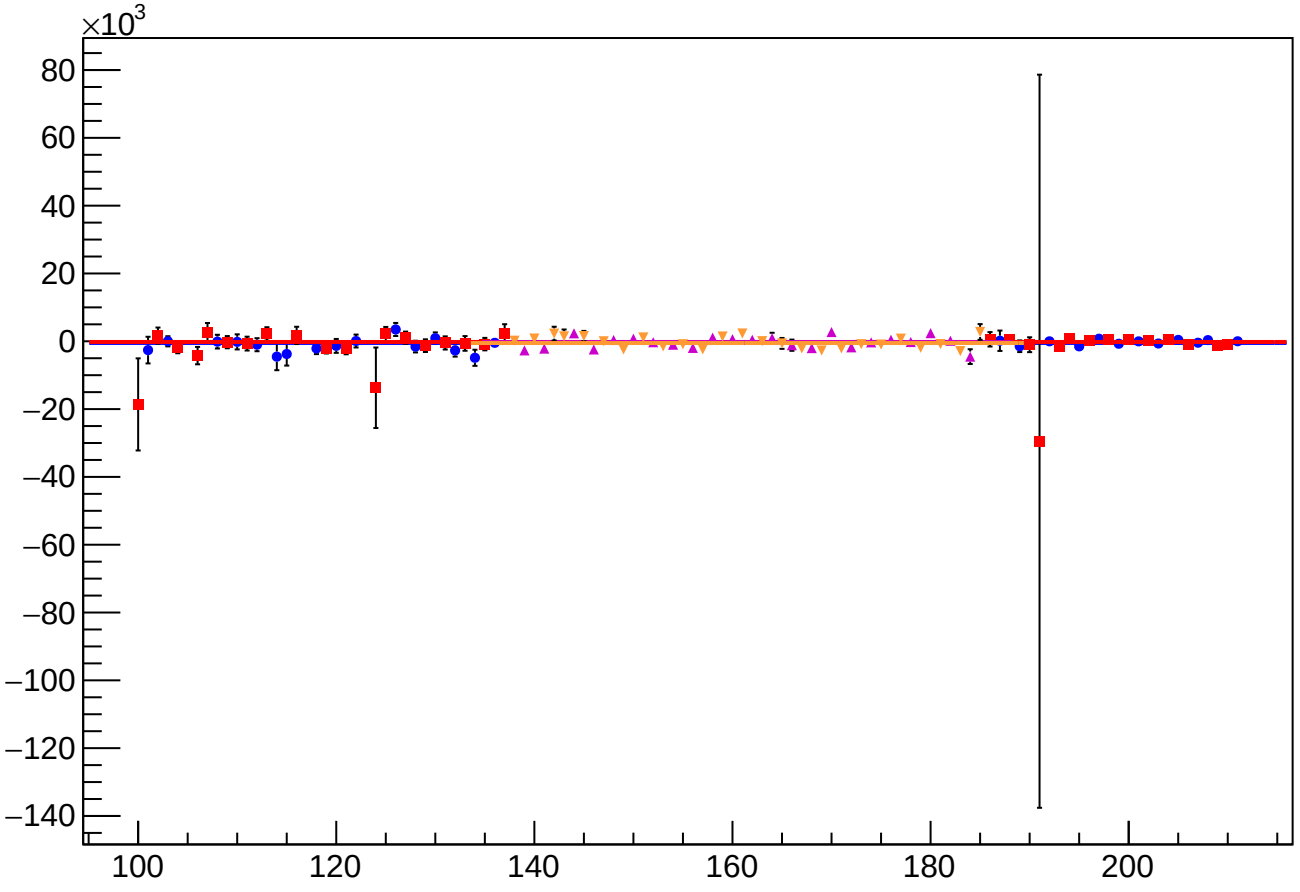
Right: -0.000+/-0.000 χ^2/NDF: 57.5/60

In: -0.000+/-0.000 χ^2/NDF:56.0/50

Out: -0.000+/-0.000 χ^2/NDF:45.7/57

All: -0.000+/-0.000 χ^2/NDF: 102.1/108


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9824425.7/27
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10115012.0/32
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
Left: 0.000+/-0.000 χ²/NDF: 8935509.5/47
Right: 0.000+/-0.000 χ²/NDF: 19973438.2/60
In: 0.000+/-0.000 χ²/NDF:14176980.6/50
Out: 0.000+/-0.000 χ²/NDF:16142380.2/57
All: 0.000+/-0.000 χ²/NDF: 30643938.9/108



Right In: -483.997+/-314.887 χ^2/NDF: 16.8/27

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -201.580+/-306.871 χ^2/NDF: 20.6/32

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

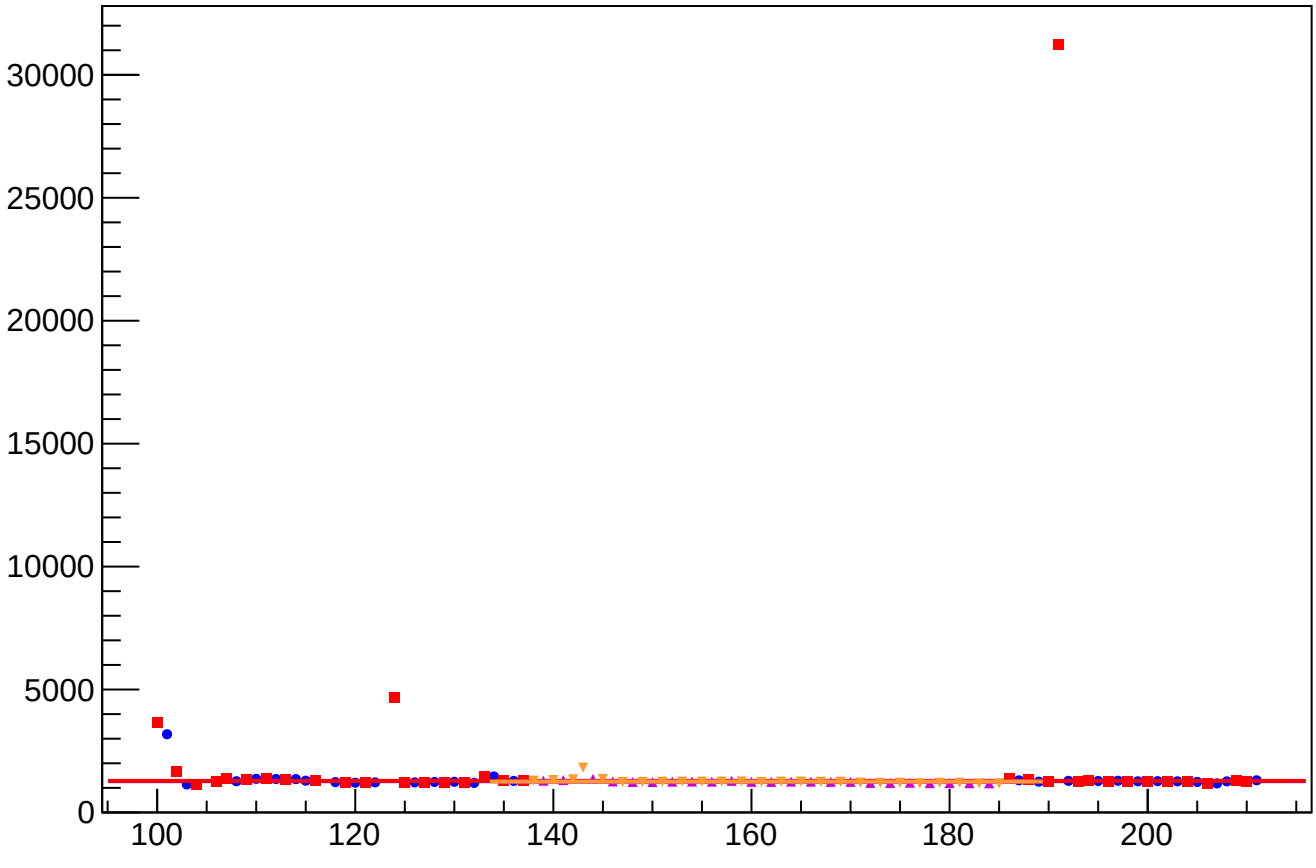
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -339.147+/-219.770 χ^2/NDF: 37.7/60

In: -353.911+/-213.780 χ^2/NDF:49.1/50

Out: -369.064+/-209.200 χ^2/NDF:52.1/57

All: -361.651+/-149.520 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533469.2/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.681+/-0.217 χ^2/NDF: 507647.8/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

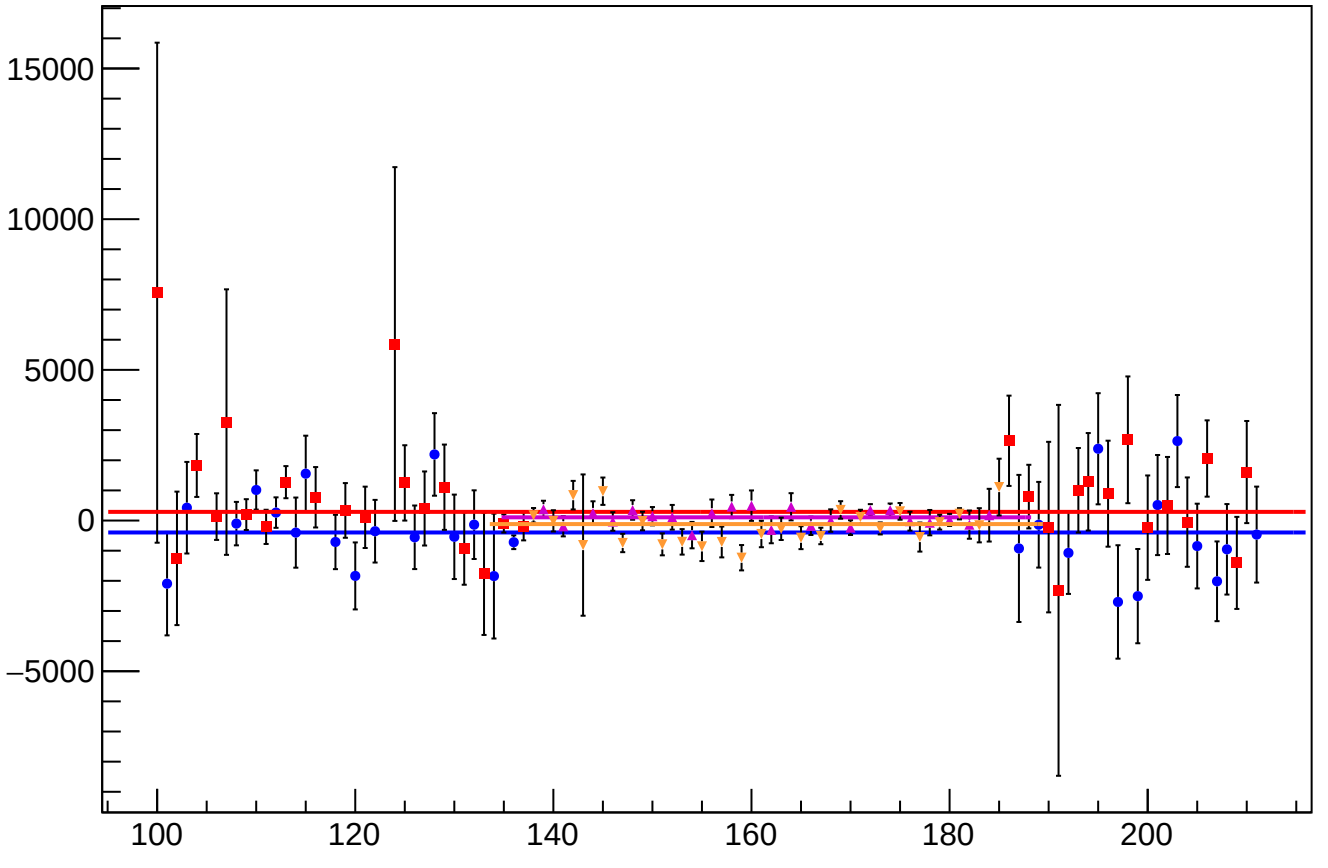
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.555+/-0.155 χ^2/NDF: 1042262.5/60

In: 1258.709+/-0.151 χ^2/NDF:581138.2/50

Out: 1268.604+/-0.148 χ^2/NDF:719790.9/57

All: 1263.764+/-0.106 χ^2/NDF: 1303118.1/10



Right In: -395.659+/-157.642 χ^2/NDF: 30.1/27

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 288.112+/-157.550 χ^2/NDF: 23.9/32

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

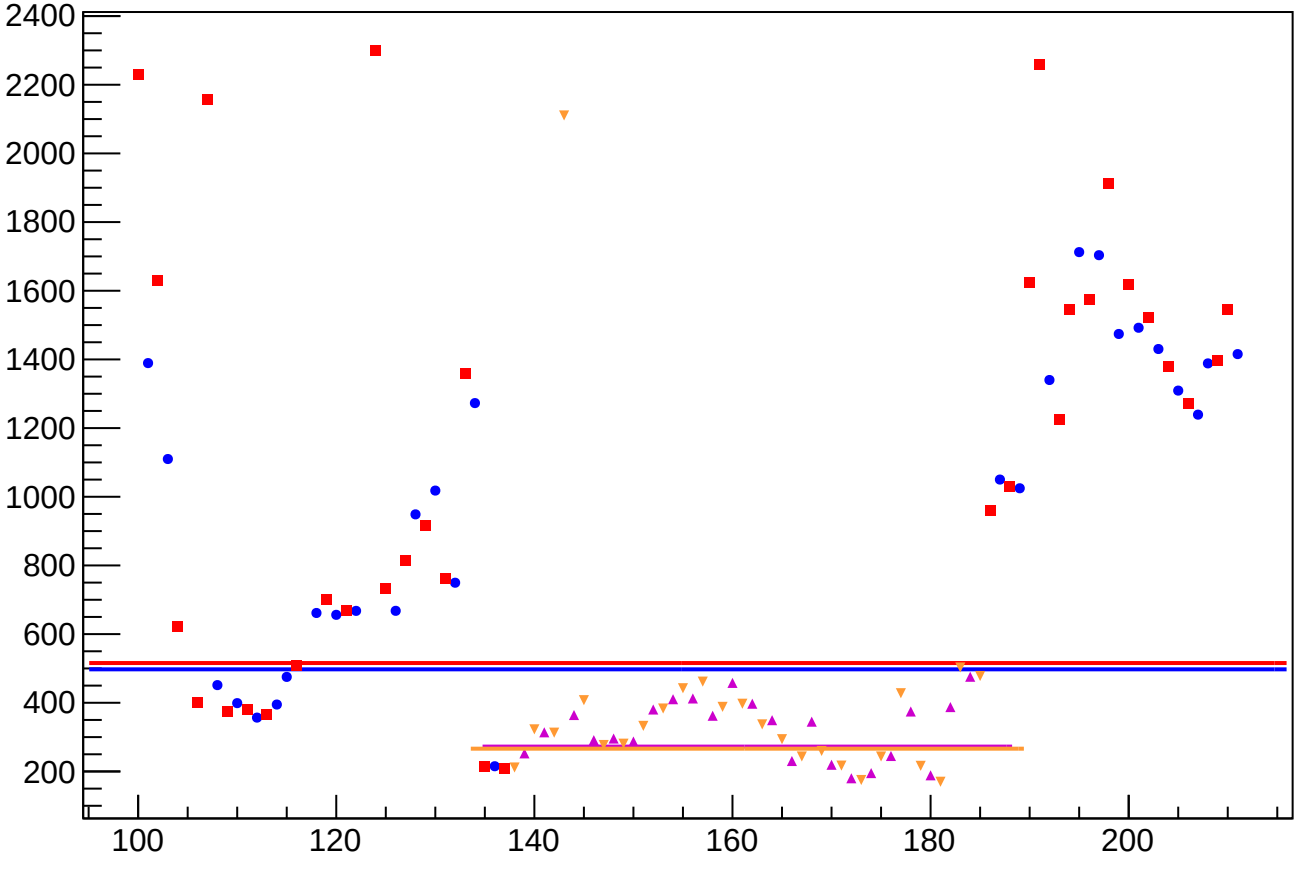
Right: -53.575+/-111.437 χ^2/NDF: 63.4/60

In: 30.381+/-61.663 χ^2/NDF:52.4/50

Out: -58.008+/-60.134 χ^2/NDF:78.0/57

All: -14.923+/-43.051 χ^2/NDF: 131.5/108

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 497.382+/-0.111 χ^2/NDF: 12960427.3/27

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 515.728+/-0.111 χ^2/NDF: 13710459.9/32

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

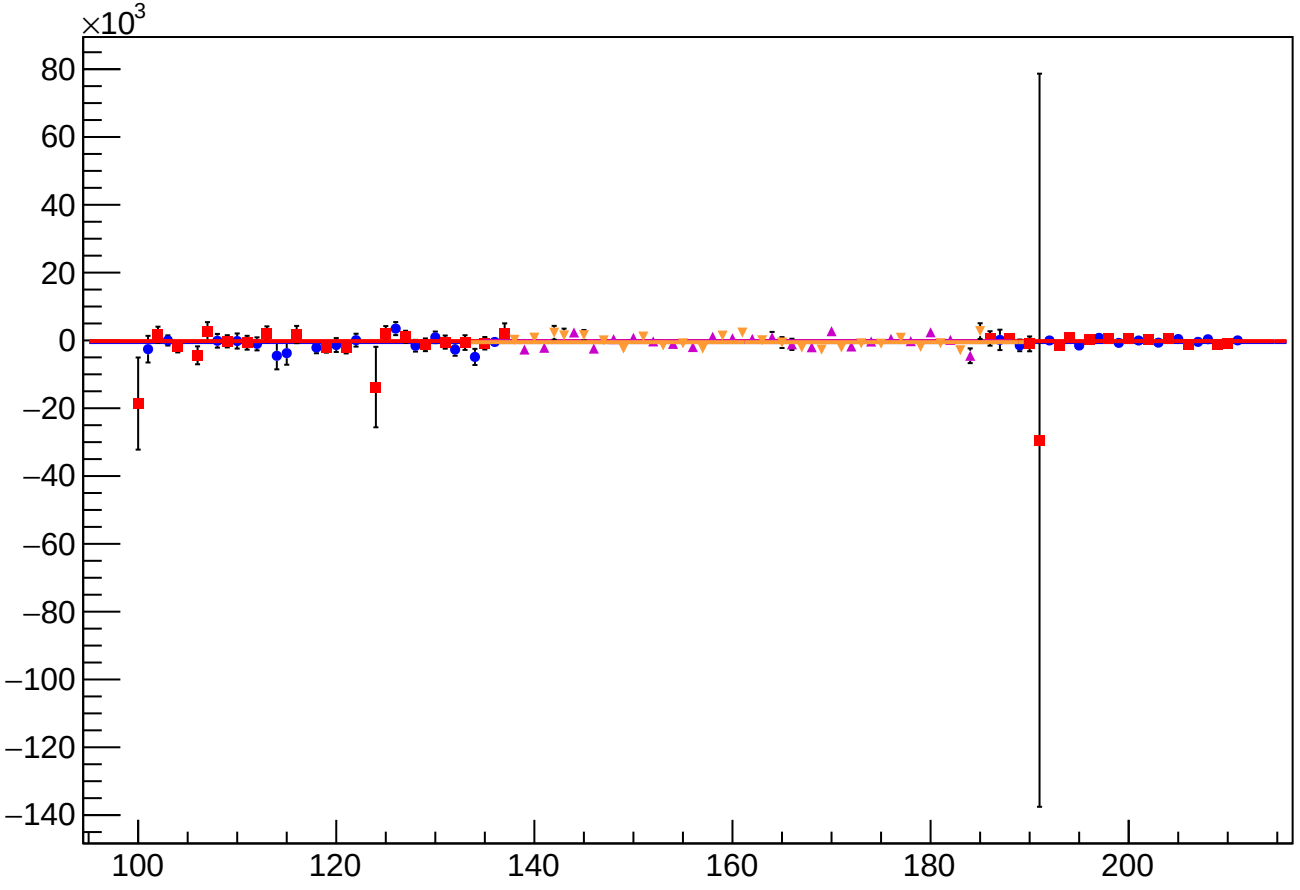
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 506.561+/-0.079 χ^2/NDF: 26684439.5/60

In: 306.796+/-0.044 χ^2/NDF:19299582.5/50

Out: 302.654+/-0.043 χ^2/NDF:22622442.7/57

All: 304.673+/-0.030 χ^2/NDF: 41926649.3/10



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -200.417+/-307.003 χ^2/NDF: 20.6/32

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

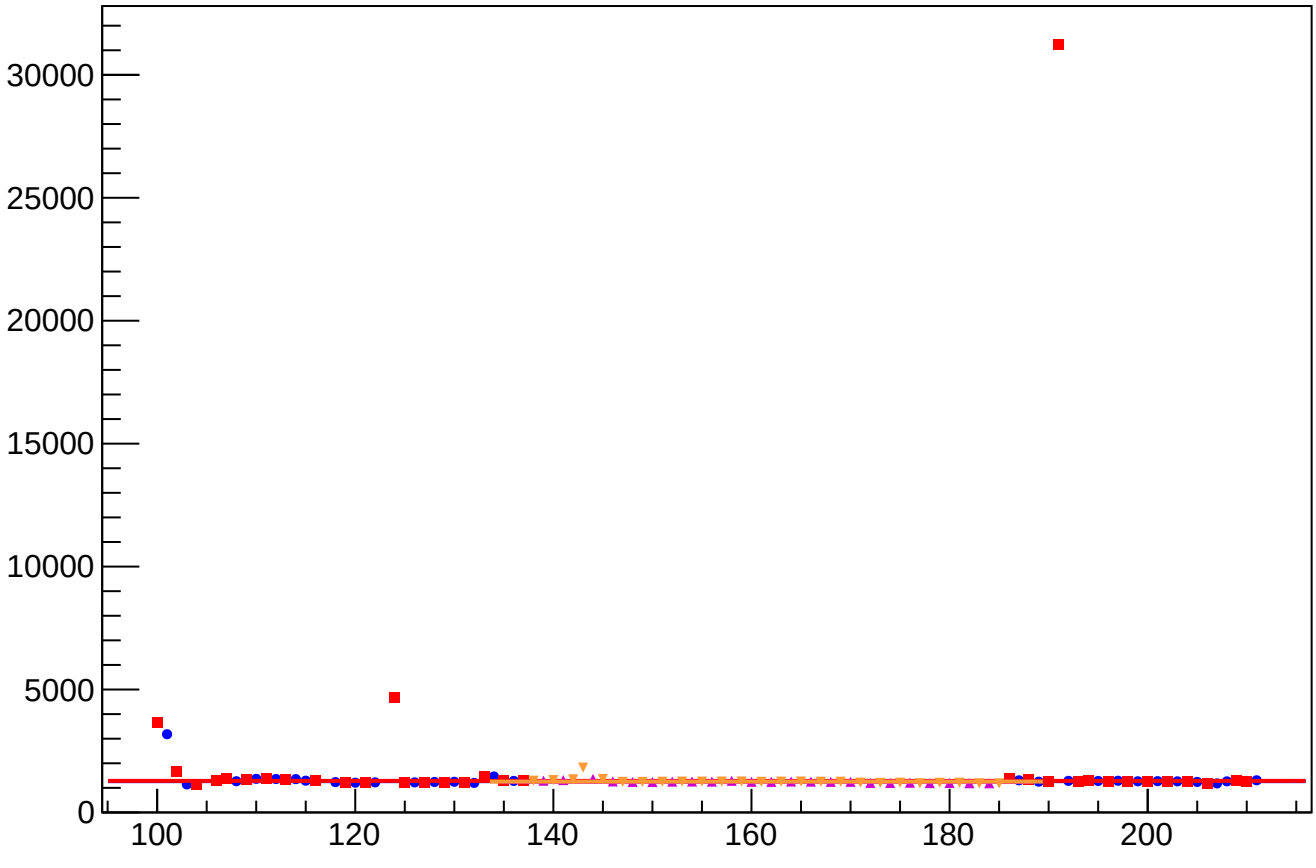
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -338.539+/-219.818 χ^2/NDF: 37.8/60

In: -353.829+/-213.780 χ^2/NDF:49.1/50

Out: -368.561+/-209.242 χ^2/NDF:52.1/57

All: -361.353+/-149.535 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

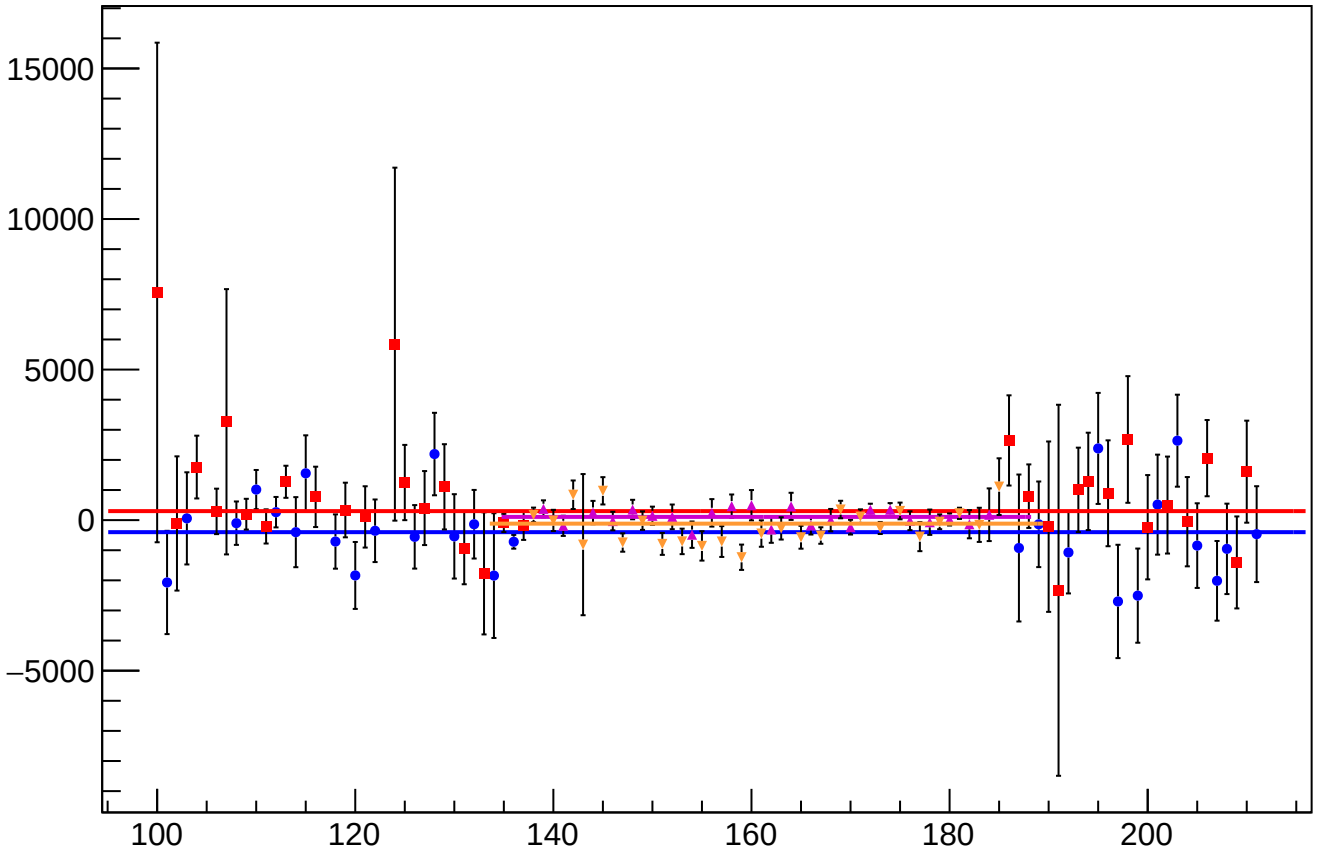
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.844+/-0.155 χ^2/NDF: 1042371.2/60

In: 1258.709+/-0.151 χ^2/NDF:581139.5/50

Out: 1268.862+/-0.148 χ^2/NDF:720134.7/57

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

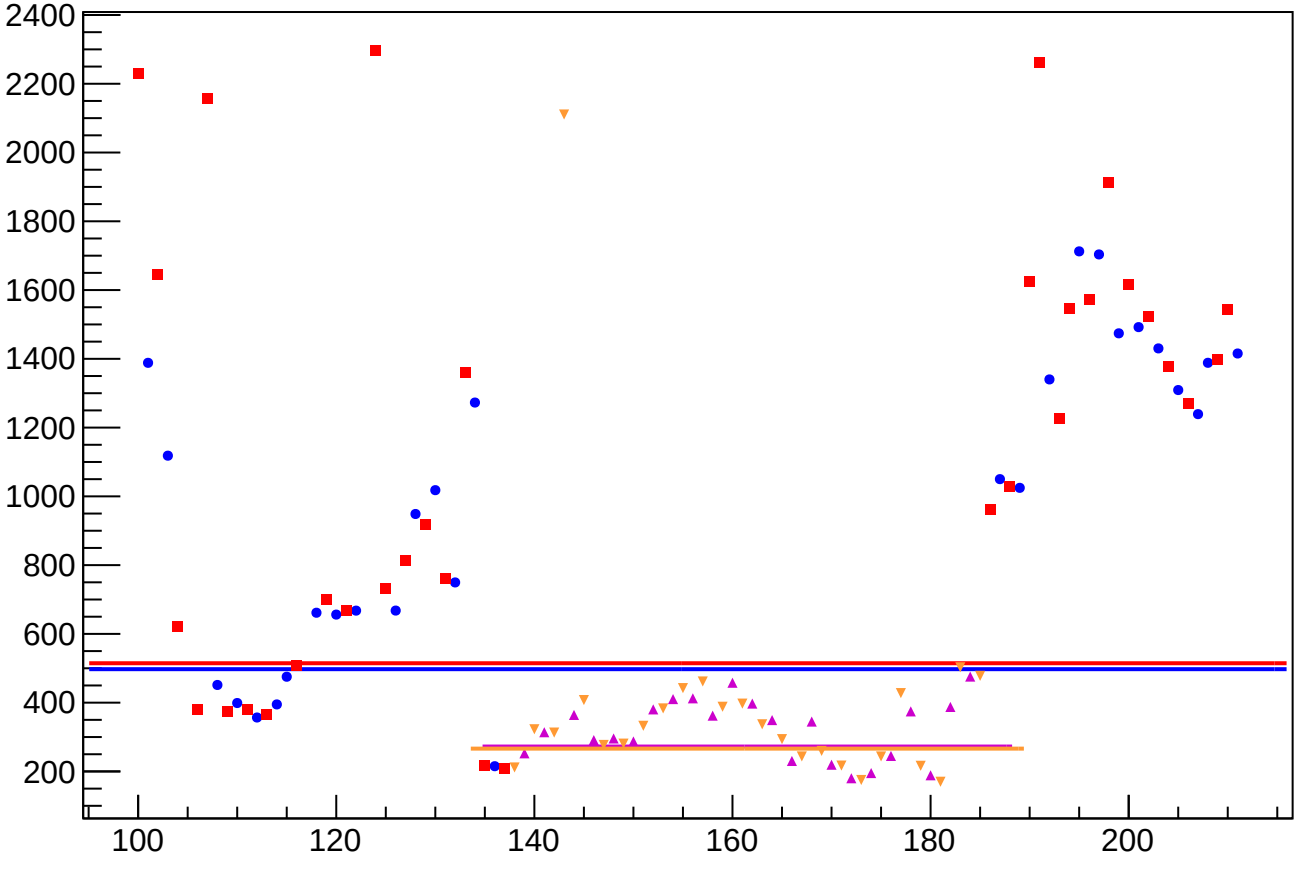
Right: -49.543+/-111.387 χ^2/NDF: 62.9/60

In: 29.891+/-61.665 χ^2/NDF:52.3/50

Out: -56.248+/-60.126 χ^2/NDF:77.7/57

All: -14.267+/-43.049 χ^2/NDF: 131.0/108

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 497.399+/-0.111 χ^2/NDF: 12963488.0/27

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 514.650+/-0.111 χ^2/NDF: 13736257.1/32

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

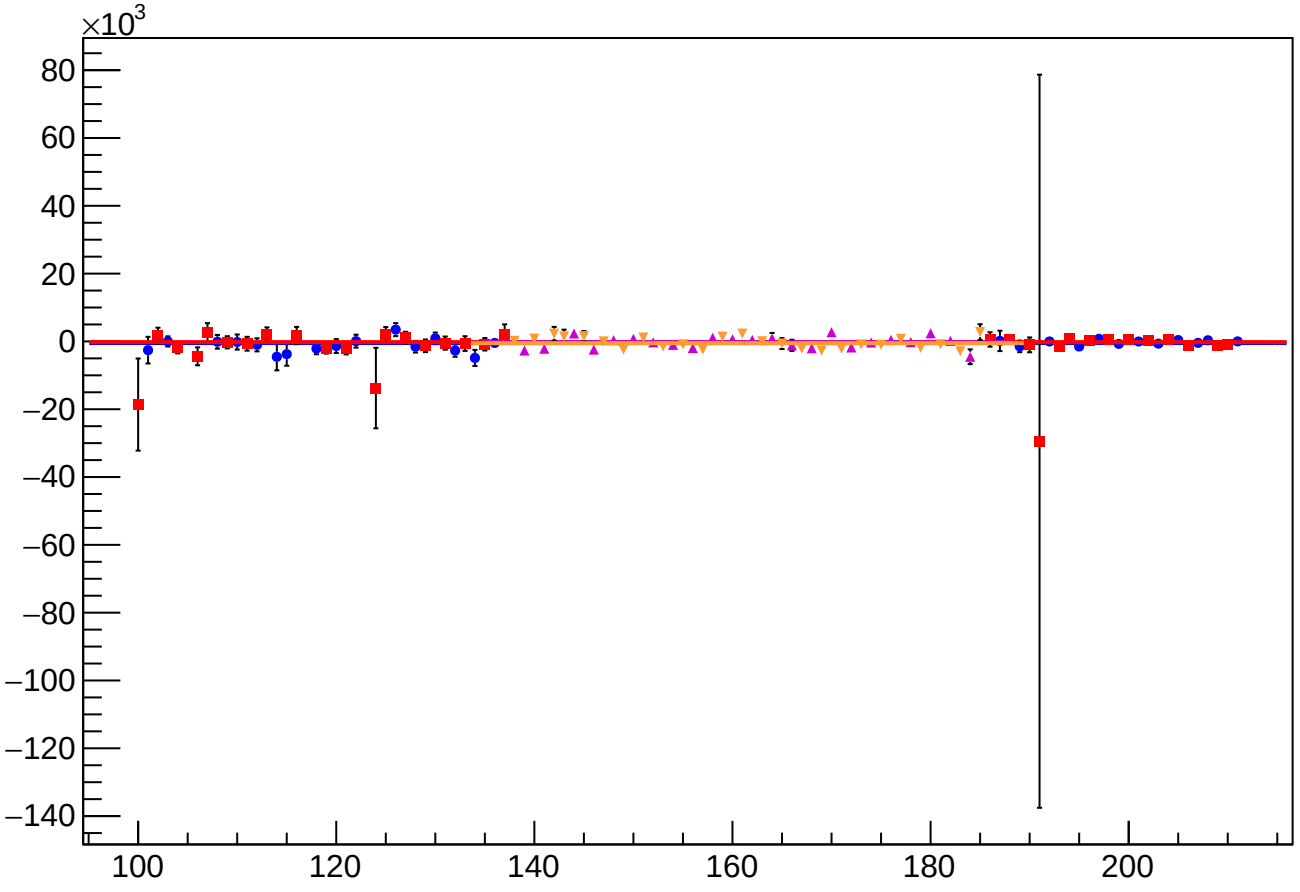
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 506.039+/-0.079 χ^2/NDF: 26711738.7/60

In: 306.802+/-0.044 χ^2/NDF:19302010.3/50

Out: 302.566+/-0.043 χ^2/NDF:22618440.1/57

All: 304.630+/-0.030 χ^2/NDF: 41925289.6/10



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -200.417+/-307.003 χ^2/NDF: 20.6/32

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

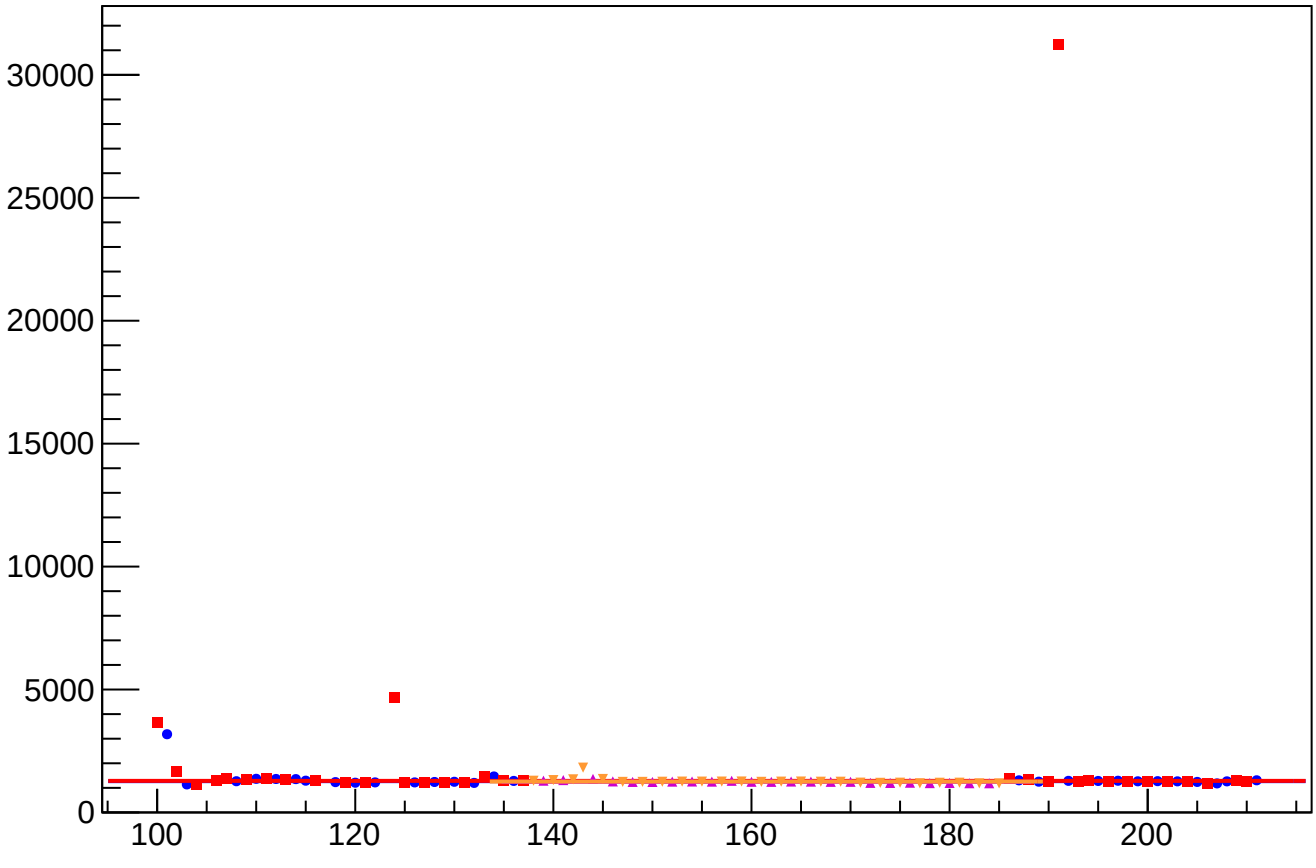
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -338.539+/-219.818 χ^2/NDF: 37.8/60

In: -353.829+/-213.780 χ^2/NDF:49.1/50

Out: -368.561+/-209.242 χ^2/NDF:52.1/57

All: -361.353+/-149.535 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

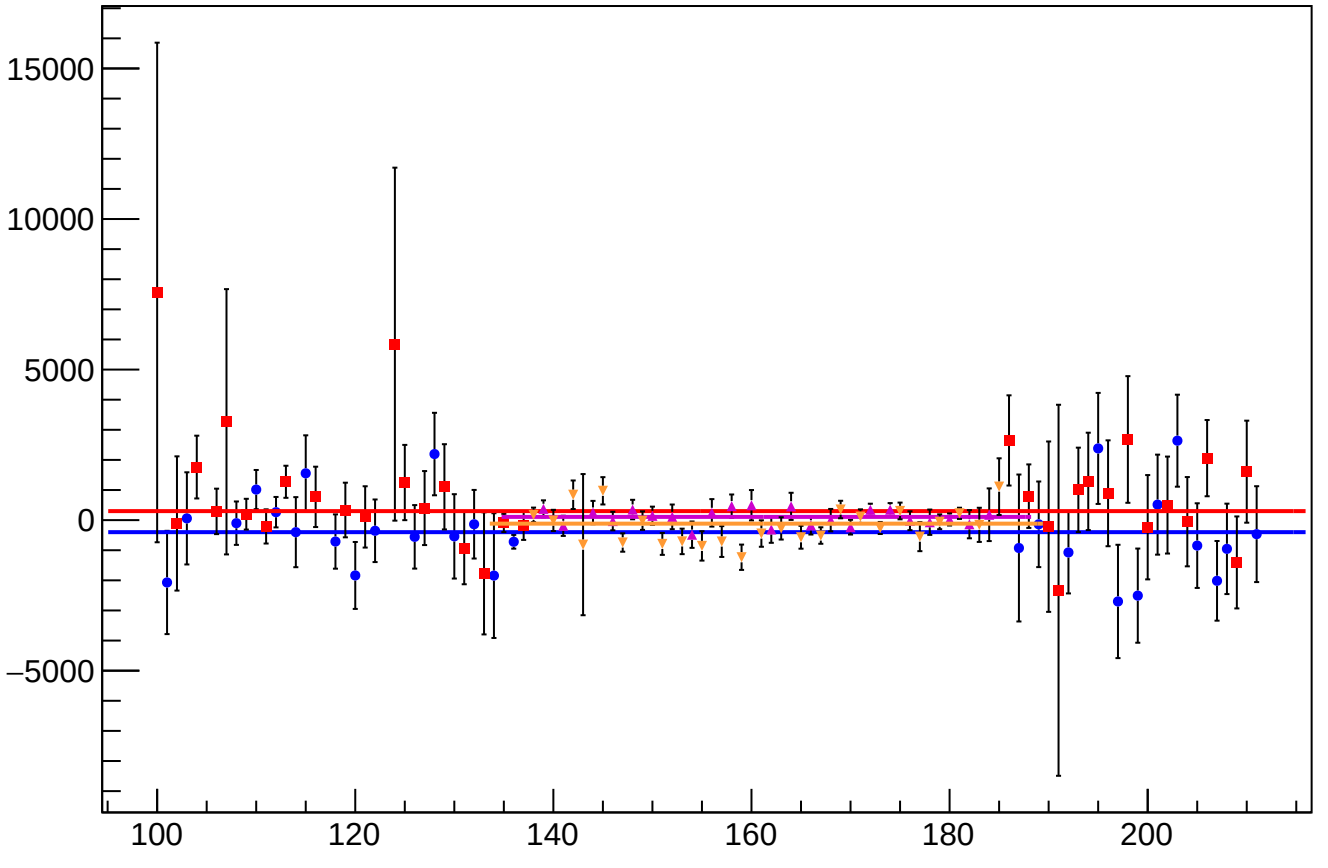
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.844+/-0.155 χ^2/NDF: 1042371.2/60

In: 1258.709+/-0.151 χ^2/NDF:581139.5/50

Out: 1268.862+/-0.148 χ^2/NDF:720134.7/57

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

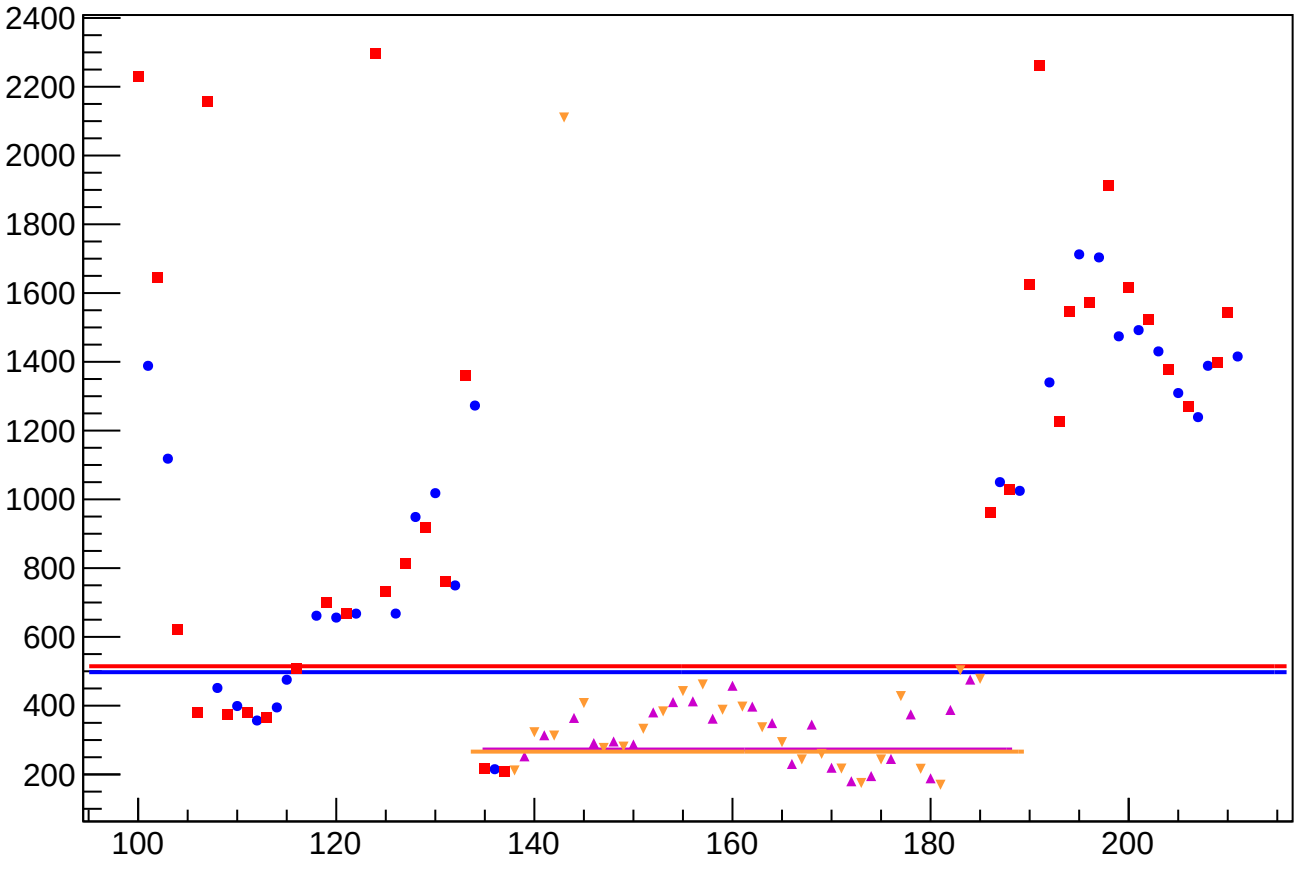
Right: -49.543+/-111.387 χ^2/NDF: 62.9/60

In: 29.891+/-61.665 χ^2/NDF:52.3/50

Out: -56.248+/-60.126 χ^2/NDF:77.7/57

All: -14.267+/-43.049 χ^2/NDF: 131.0/108

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 497.399+/-0.111 χ^2/NDF: 12963488.0/27

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 514.650+/-0.111 χ^2/NDF: 13736257.1/32

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

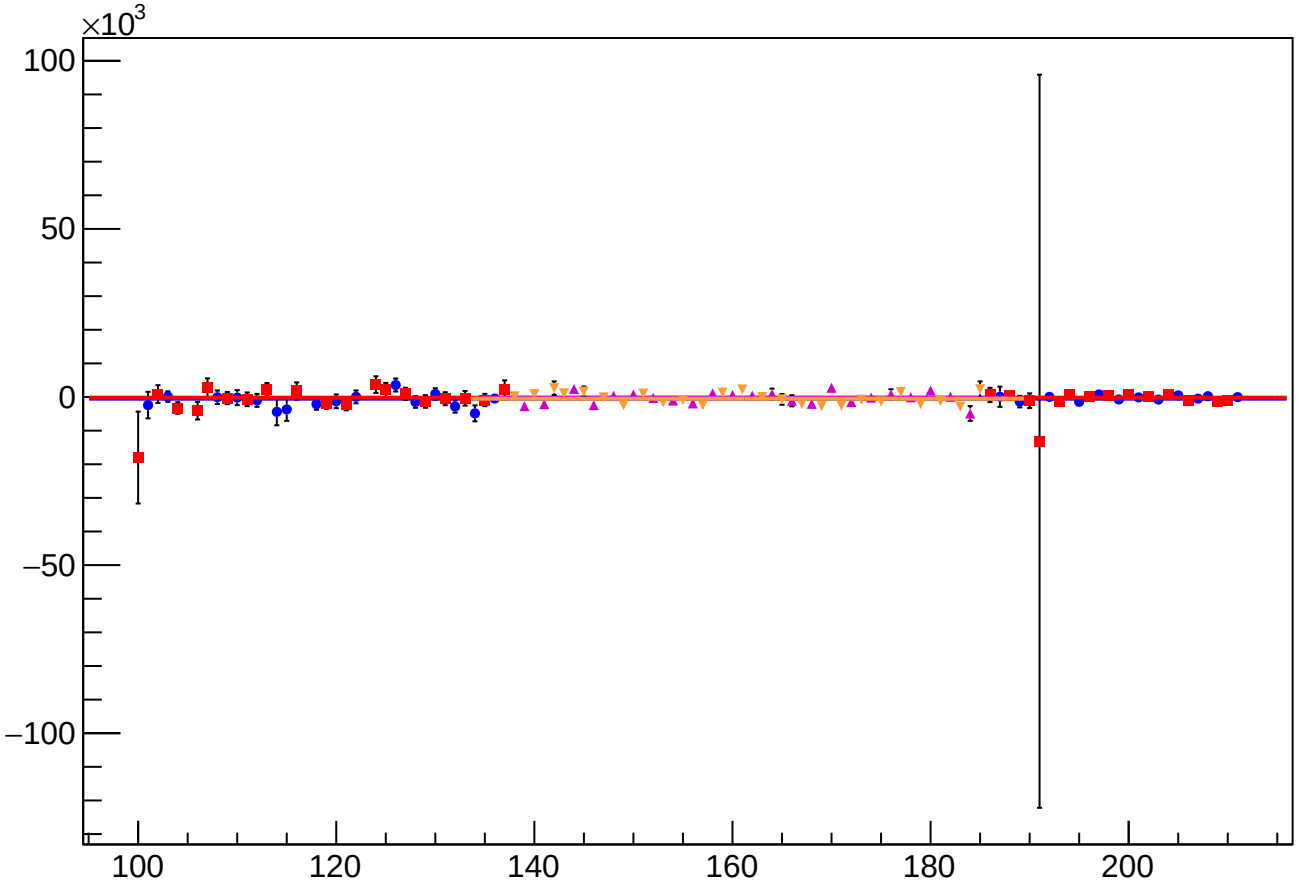
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 506.039+/-0.079 χ^2/NDF: 26711738.7/60

In: 306.802+/-0.044 χ^2/NDF:19302010.3/50

Out: 302.566+/-0.043 χ^2/NDF:22618440.1/57

All: 304.630+/-0.030 χ^2/NDF: 41925289.6/10



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -194.371+/-306.419 χ^2/NDF: 22.5/32

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

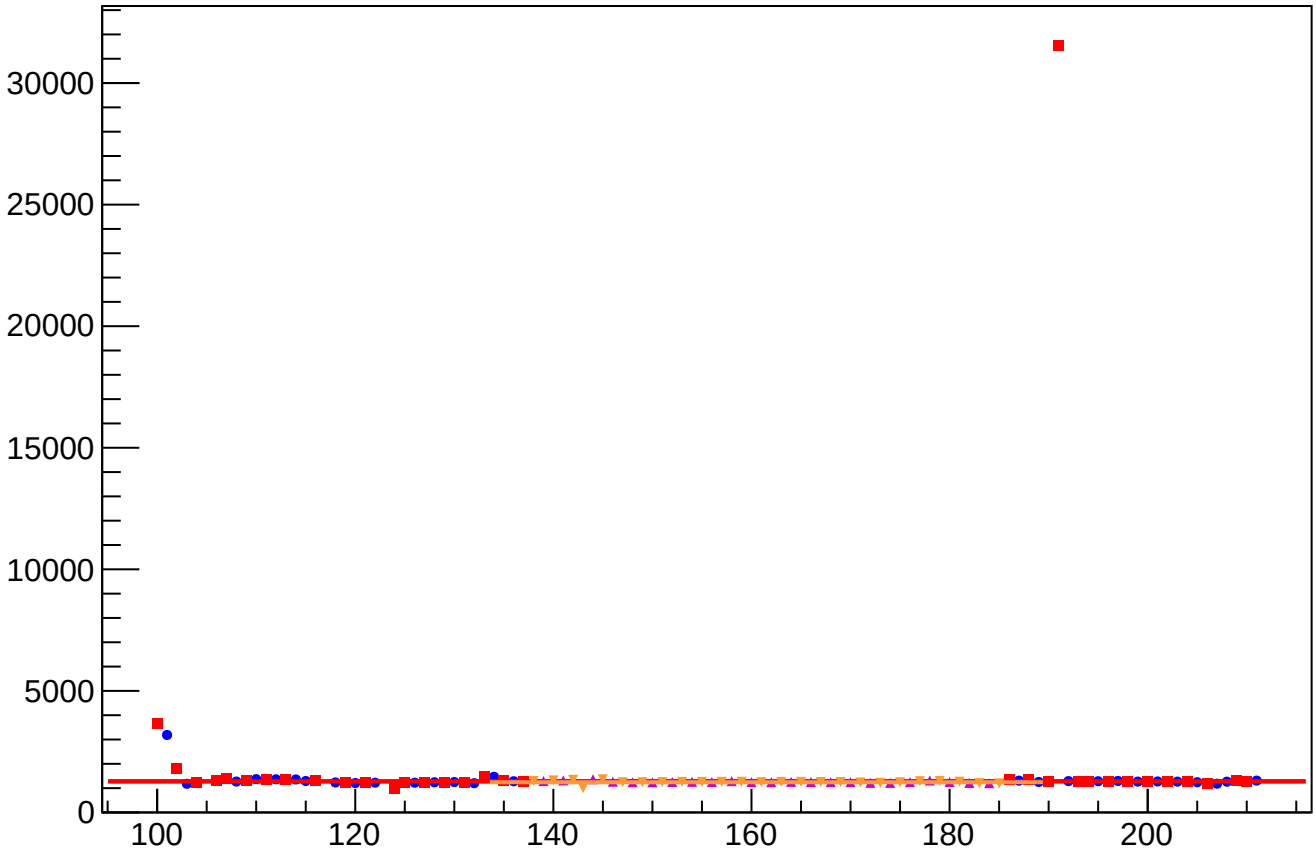
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -332.609+/-219.919 χ^2/NDF: 39.6/60

In: -352.382+/-215.323 χ^2/NDF:47.7/50

Out: -355.907+/-207.793 χ^2/NDF:57.2/57

All: -354.207+/-149.523 χ^2/NDF: 104.9/108



Right In: 1277.011+/-0.223 χ^2/NDF: 526070.9/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.5/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

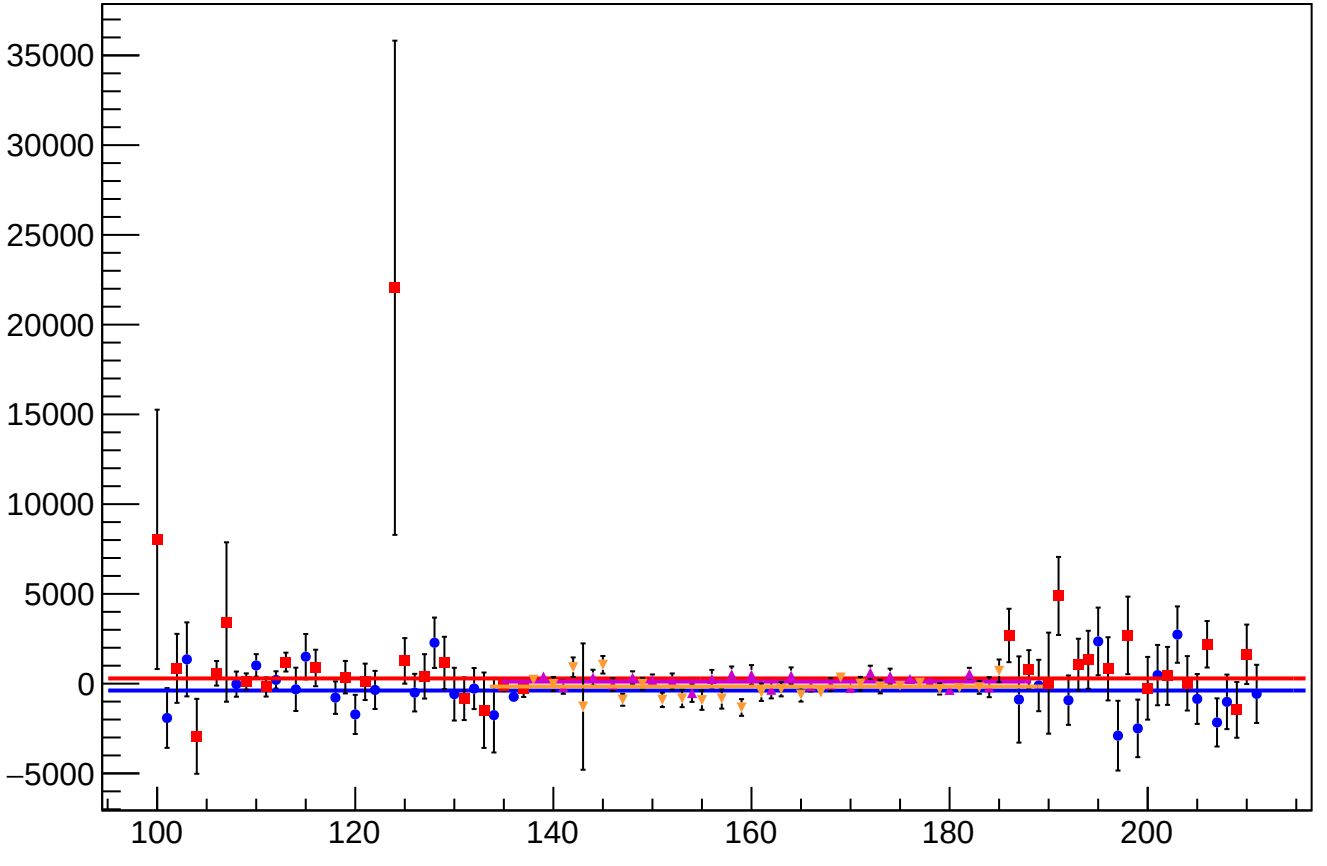
Right: 1279.517+/-0.156 χ^2/NDF: 914337.8/60

In: 1267.958+/-0.152 χ^2/NDF:557074.3/50

Out: 1260.629+/-0.147 χ^2/NDF:535848.3/57

All: 1264.163+/-0.106 χ^2/NDF: 1094122.5/10

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.989+/-159.340 χ^2/NDF: 30.5/27

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 290.097+/-157.449 χ^2/NDF: 30.0/32

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

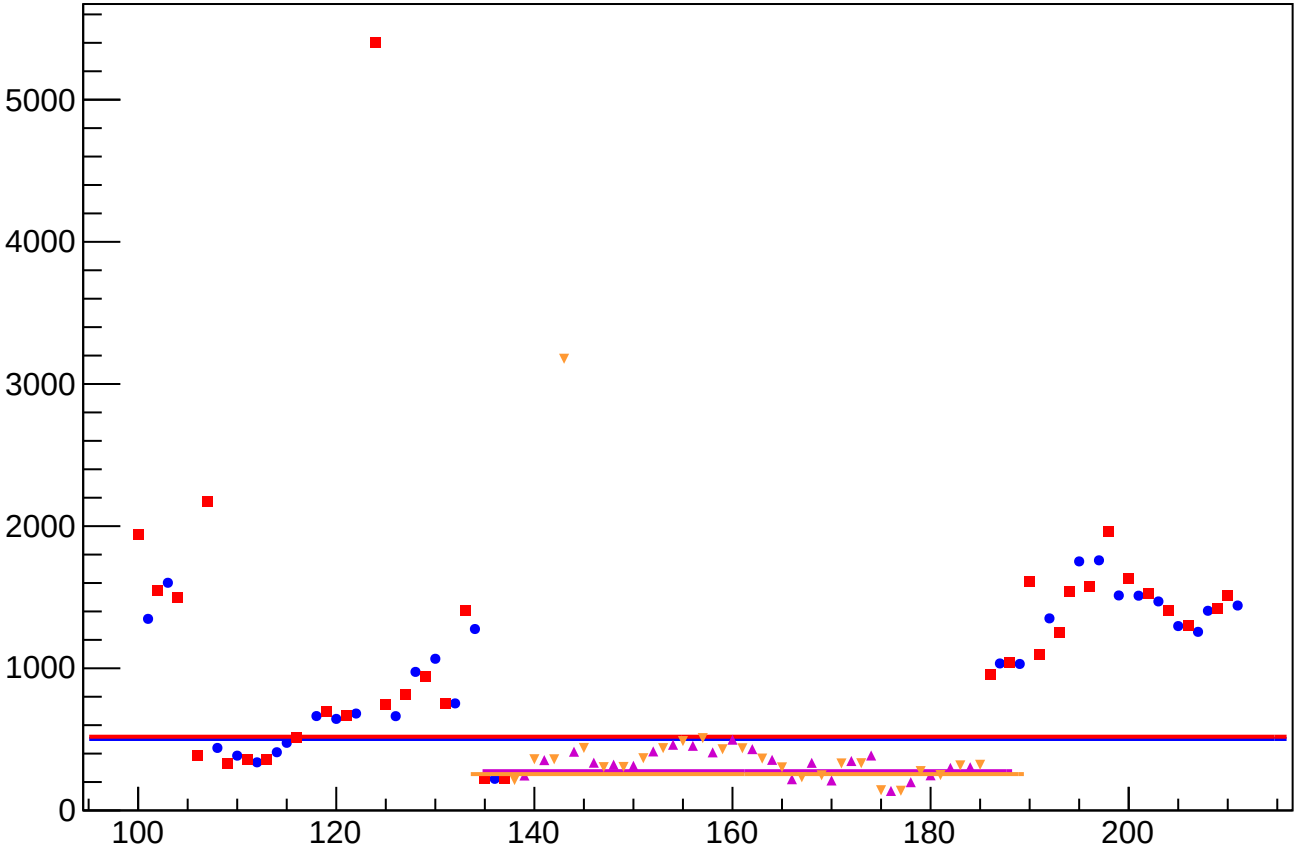
Right: -42.428+/-111.996 χ^2/NDF: 69.5/60

In: 35.592+/-63.195 χ^2/NDF:56.8/50

Out: -96.747+/-59.395 χ^2/NDF:80.8/57

All: -34.677+/-43.279 χ^2/NDF: 140.0/108

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 502.779+/-0.113 χ^2/NDF: 13117690.3/27

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 518.749+/-0.111 χ^2/NDF: 14250349.1/32

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

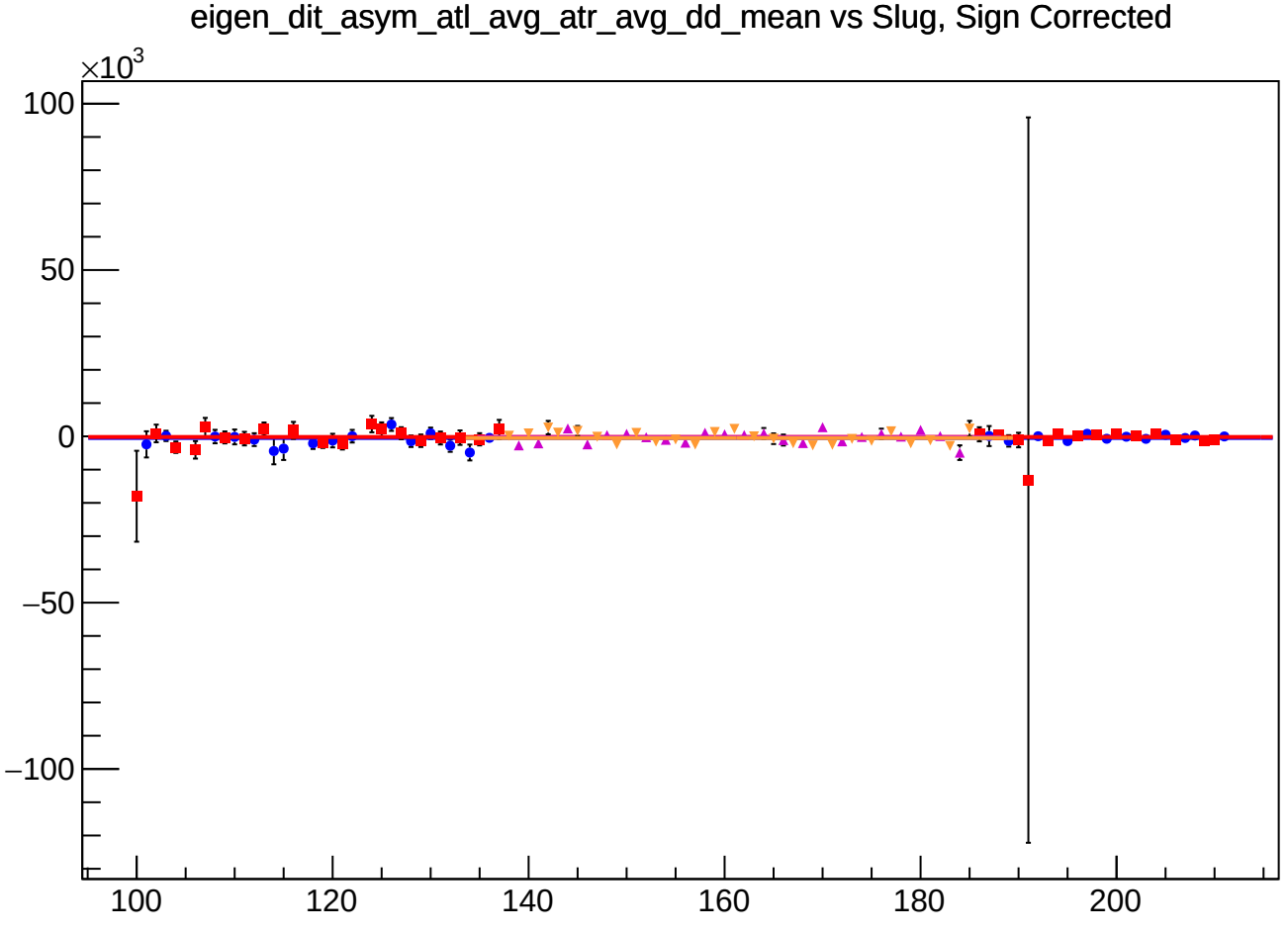
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 510.859+/-0.079 χ^2/NDF: 27378204.3/60

In: 311.923+/-0.045 χ^2/NDF:20550107.9/50

Out: 293.191+/-0.042 χ^2/NDF:25409846.1/57

All: 301.977+/-0.031 χ^2/NDF: 46053253.8/10



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -194.371+/-306.419 χ^2/NDF: 22.5/32

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

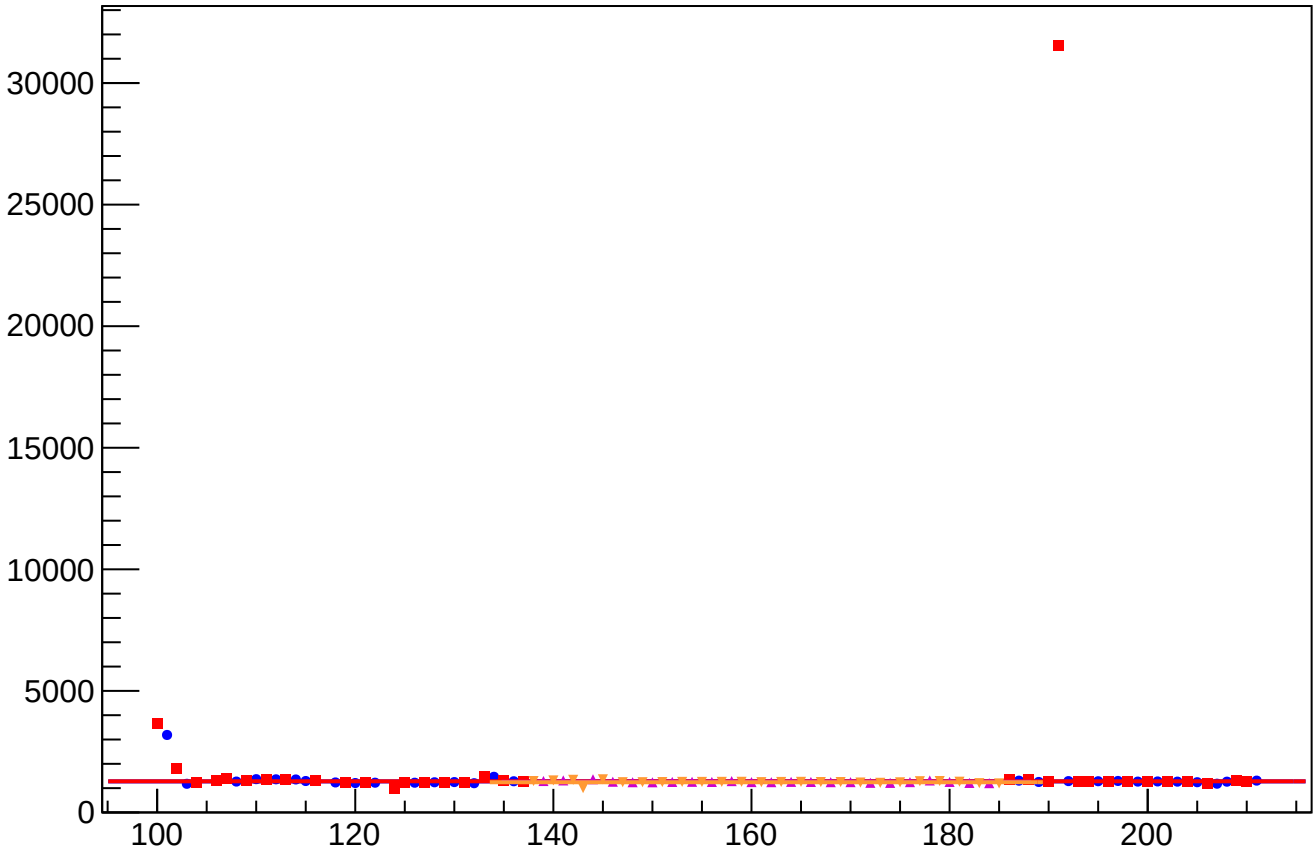
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -332.609+/-219.919 χ^2/NDF: 39.6/60

In: -352.382+/-215.323 χ^2/NDF:47.7/50

Out: -355.907+/-207.793 χ^2/NDF:57.2/57

All: -354.207+/-149.523 χ^2/NDF: 104.9/108



Right In: 1277.011+/-0.223 χ^2/NDF: 526071.0/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.8/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

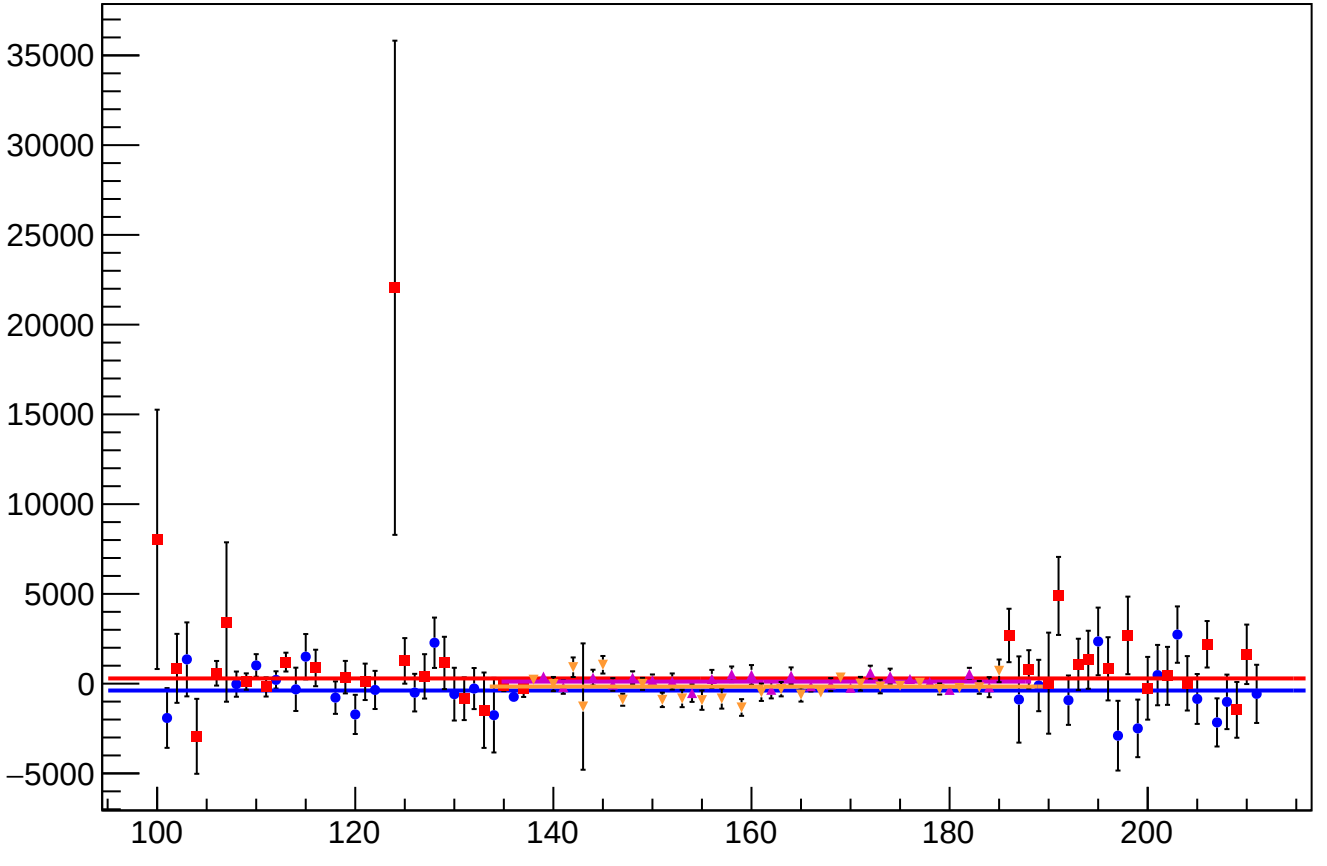
Right: 1279.517+/-0.156 χ^2/NDF: 914338.1/60

In: 1267.958+/-0.152 χ^2/NDF:557074.4/50

Out: 1260.629+/-0.147 χ^2/NDF:535847.7/57

All: 1264.163+/-0.106 χ^2/NDF: 1094121.9/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.990+/-159.343 χ^2/NDF: 30.5/27

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 290.105+/-157.451 χ^2/NDF: 30.0/32

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

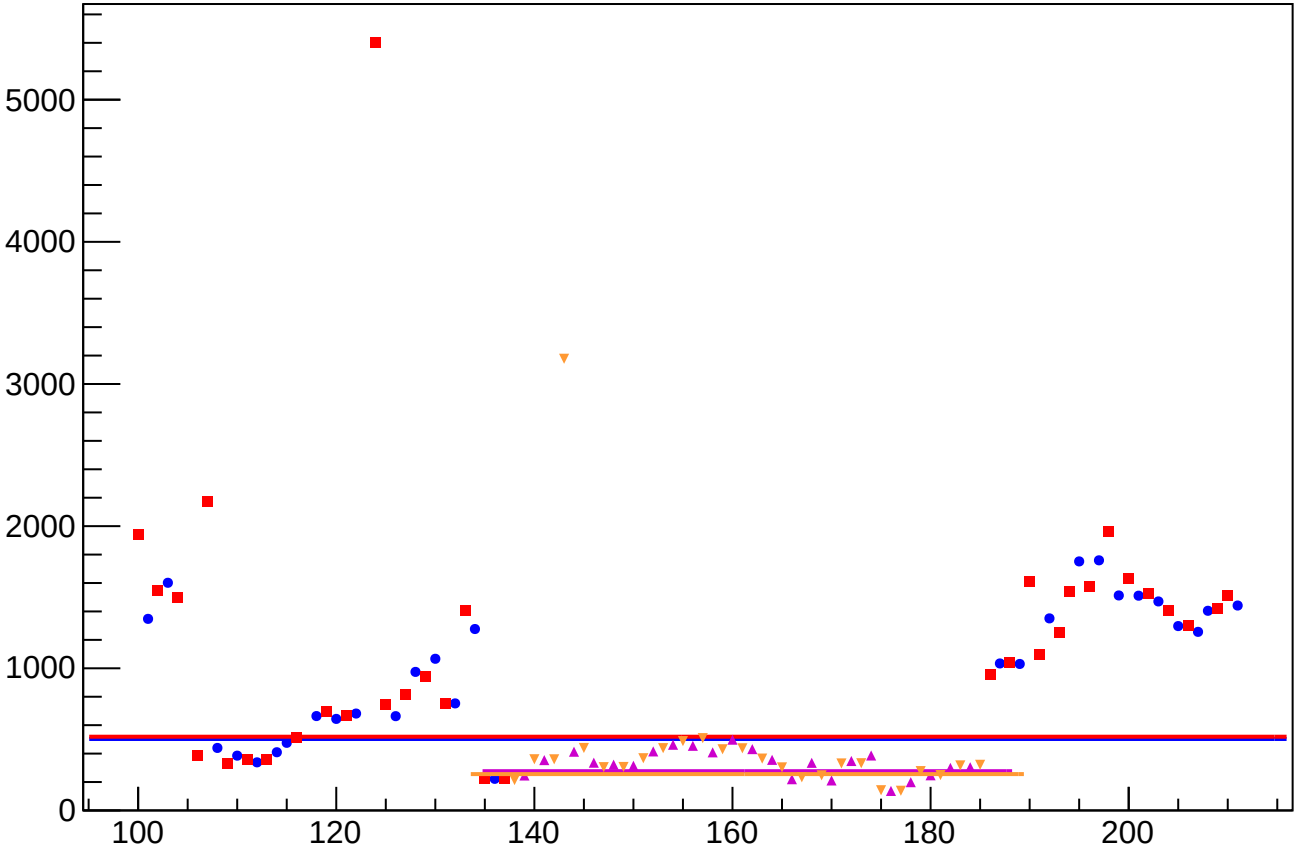
Right: -42.423+/-111.997 χ^2/NDF: 69.5/60

In: 35.592+/-63.195 χ^2/NDF:56.8/50

Out: -96.750+/-59.395 χ^2/NDF:80.8/57

All: -34.678+/-43.280 χ^2/NDF: 140.0/108

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 502.792+/-0.113 χ^2/NDF: 13117305.3/27

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF: 14250040.9/32

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

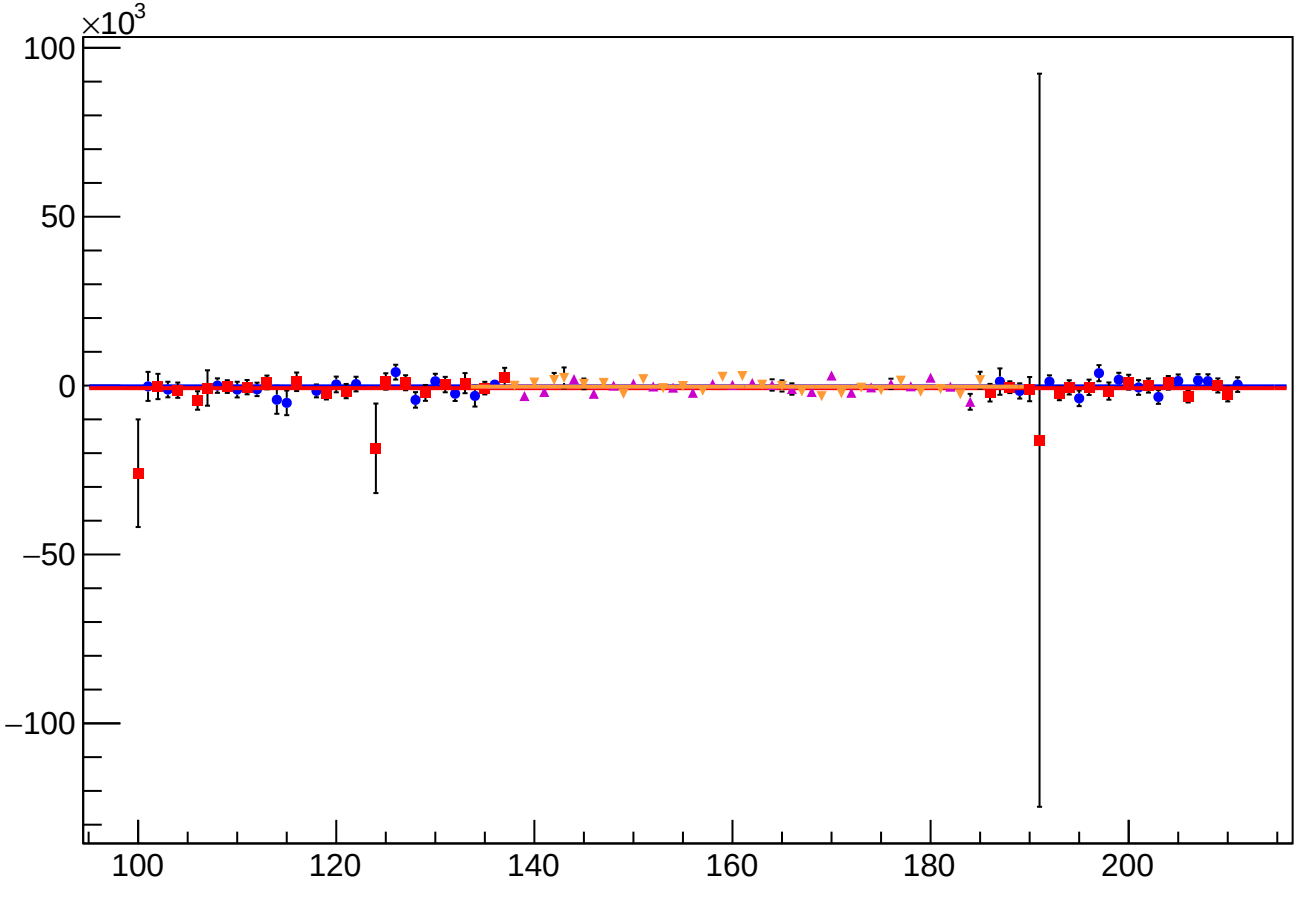
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 510.871+/-0.079 χ^2/NDF: 27377507.5/60

In: 311.924+/-0.045 χ^2/NDF:20549955.8/50

Out: 293.193+/-0.042 χ^2/NDF:25409647.8/57

All: 301.979+/-0.031 χ^2/NDF: 46052898.1/10



Right In: -222.335+/-417.031 χ^2/NDF: 24.6/27

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -762.763+/-410.638 χ^2/NDF: 16.7/32

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

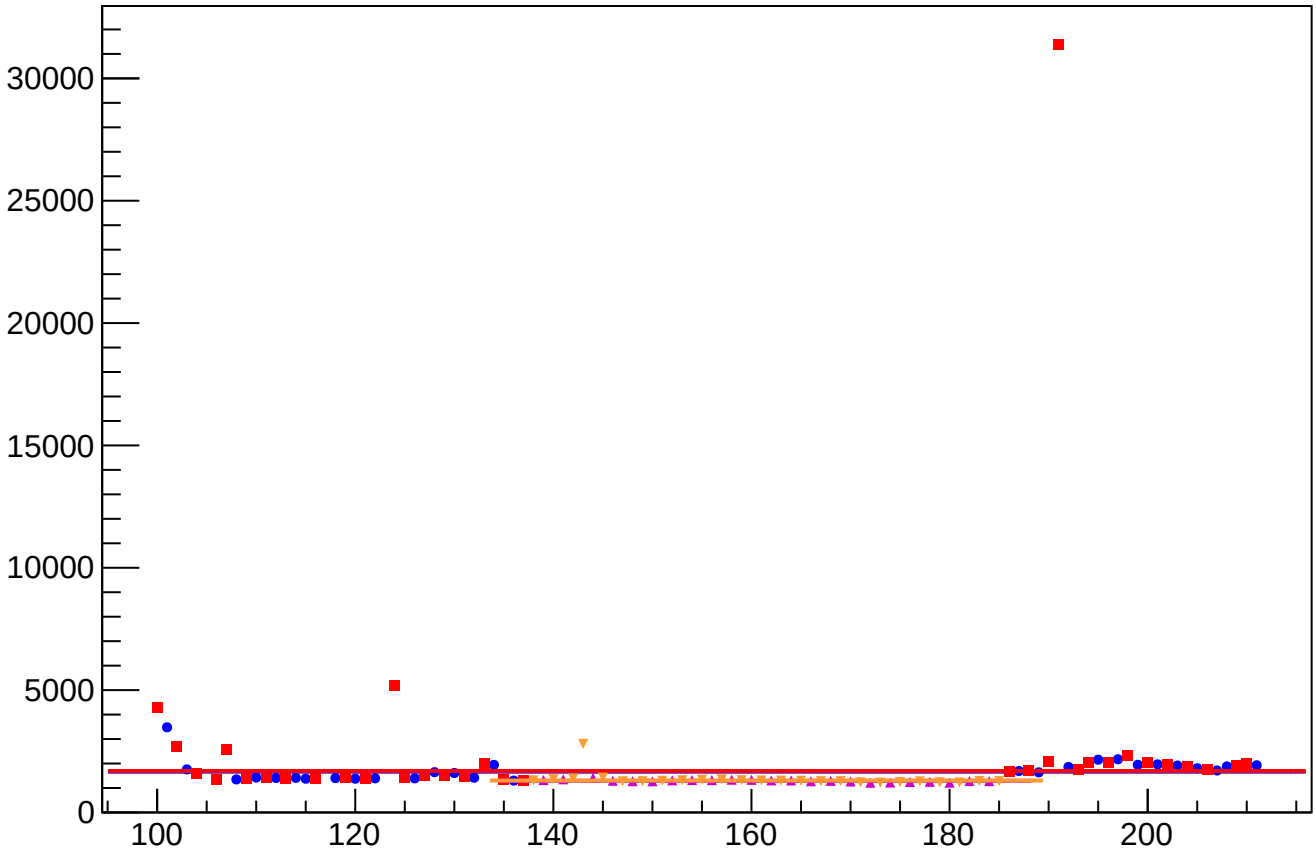
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -496.723+/-292.599 χ^2/NDF: 42.2/60

In: -310.291+/-244.547 χ^2/NDF:54.4/50

Out: -472.752+/-241.327 χ^2/NDF:49.0/57

All: -392.598+/-171.771 χ^2/NDF: 103.6/108



Right In: 1668.386+/-0.295 χ^2/NDF: 1159771.1/27

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1693.505+/-0.290 χ^2/NDF: 1441660.0/32

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

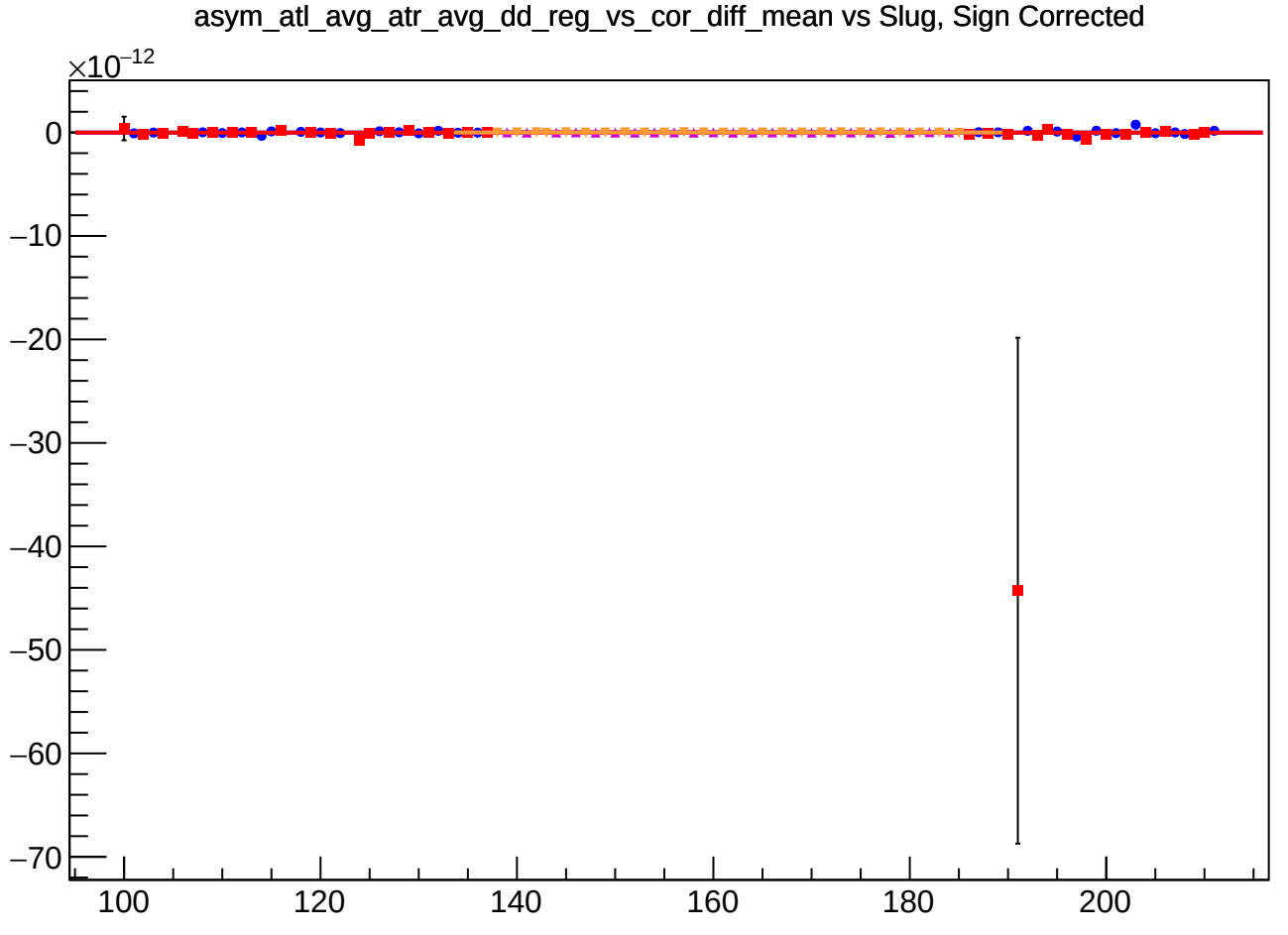
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1681.140+/-0.207 χ^2/NDF: 2605115.1/60

In: 1421.507+/-0.173 χ^2/NDF:2276357.4/50

Out: 1438.629+/-0.171 χ^2/NDF:3138282.5/57

All: 1430.181+/-0.121 χ^2/NDF: 5419606.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.4/32

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

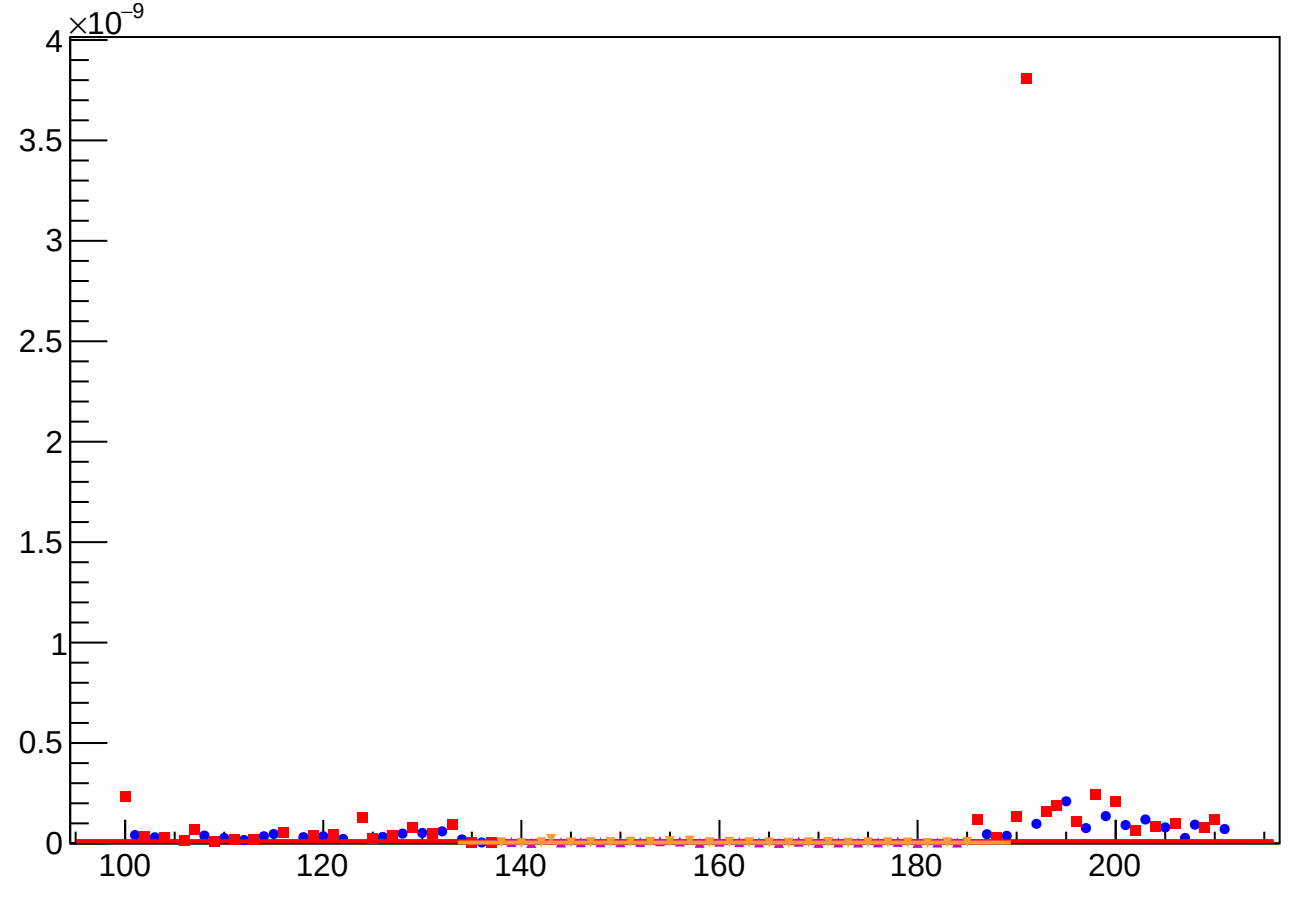
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 69.5/60

In: -0.000+/-0.000 χ^2/NDF:62.6/50

Out: -0.000+/-0.000 χ^2/NDF:65.7/57

All: -0.000+/-0.000 χ^2/NDF: 128.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 7955524.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10597782.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

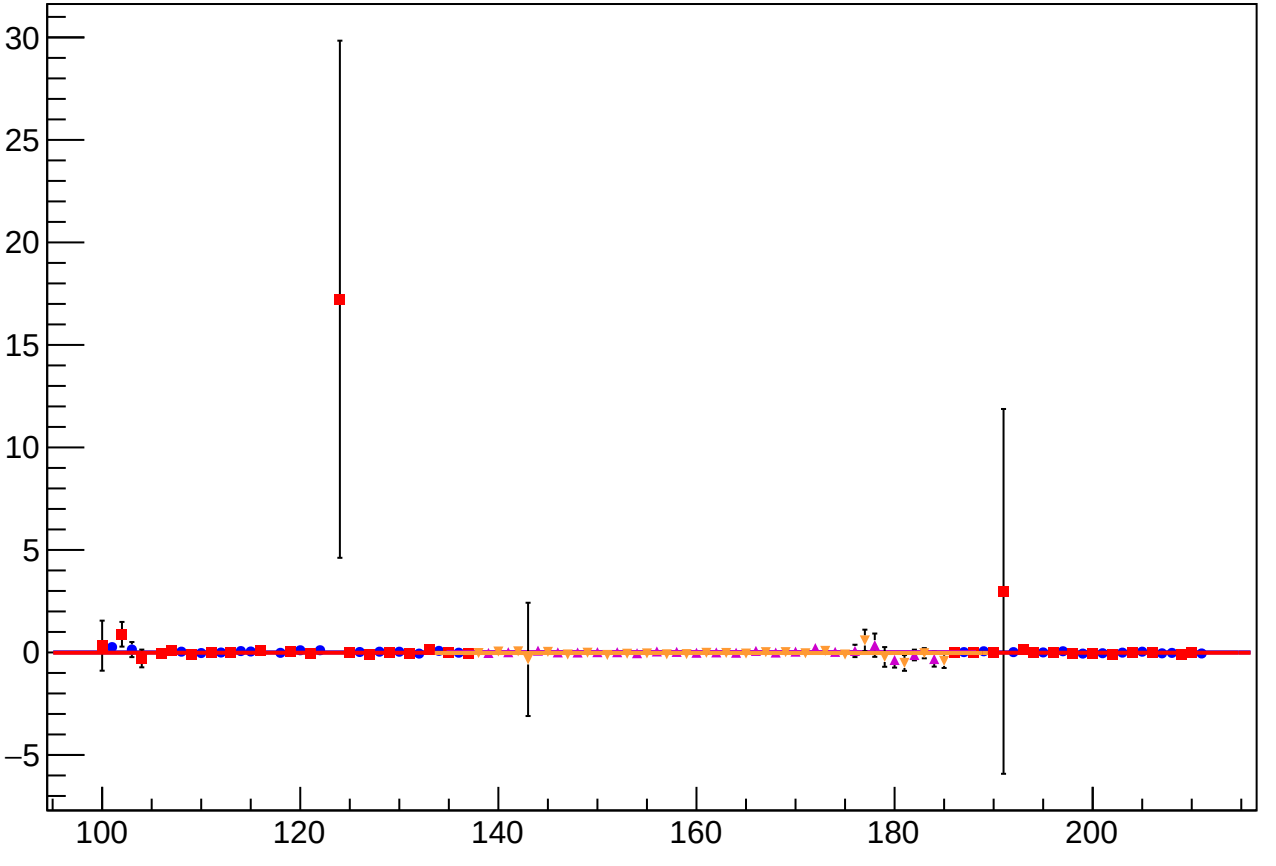
Right: 0.000+/-0.000 χ^2/NDF: 18562122.0/60

In: 0.000+/-0.000 χ^2/NDF:10828735.7/50

Out: 0.000+/-0.000 χ^2/NDF:14530356.4/57

All: 0.000+/-0.000 χ^2/NDF: 25387237.5/108

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

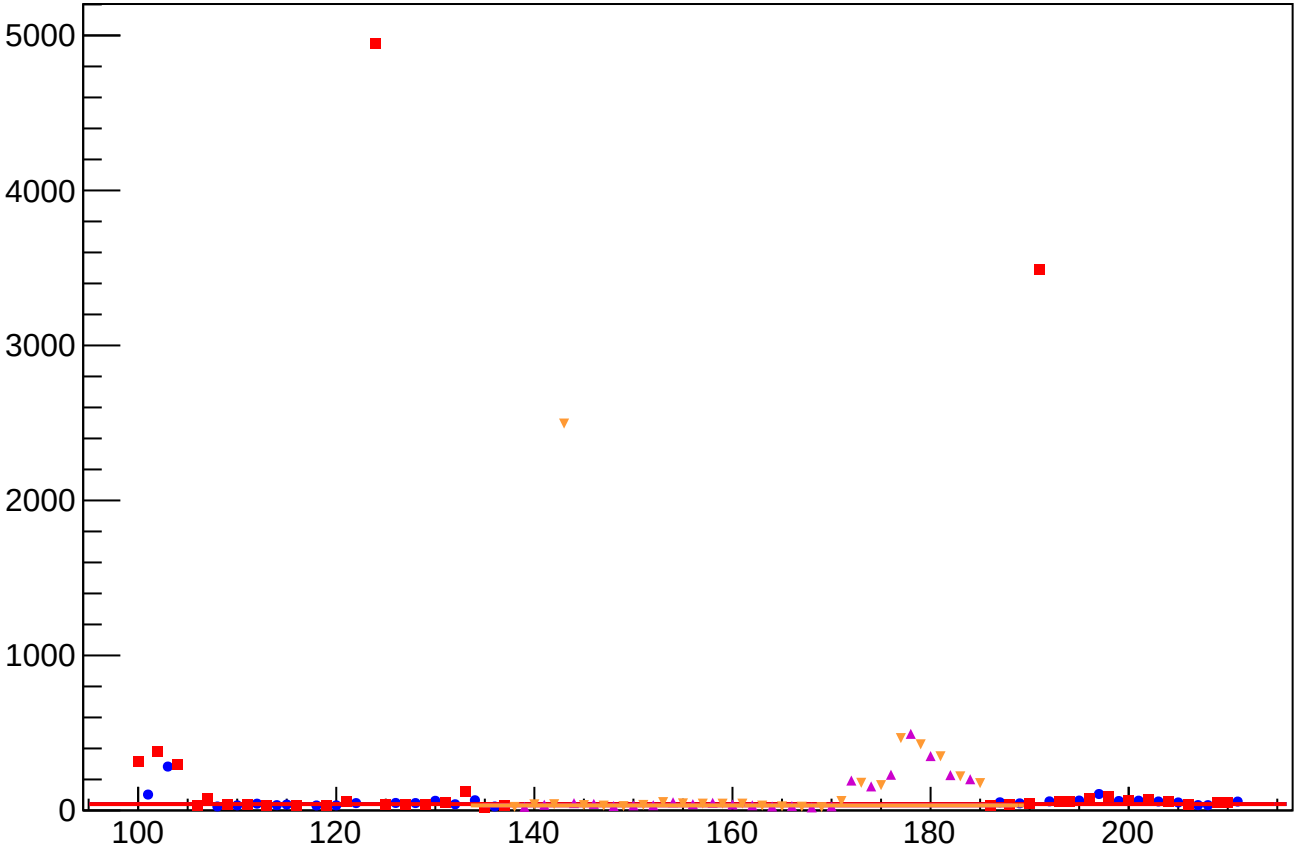
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

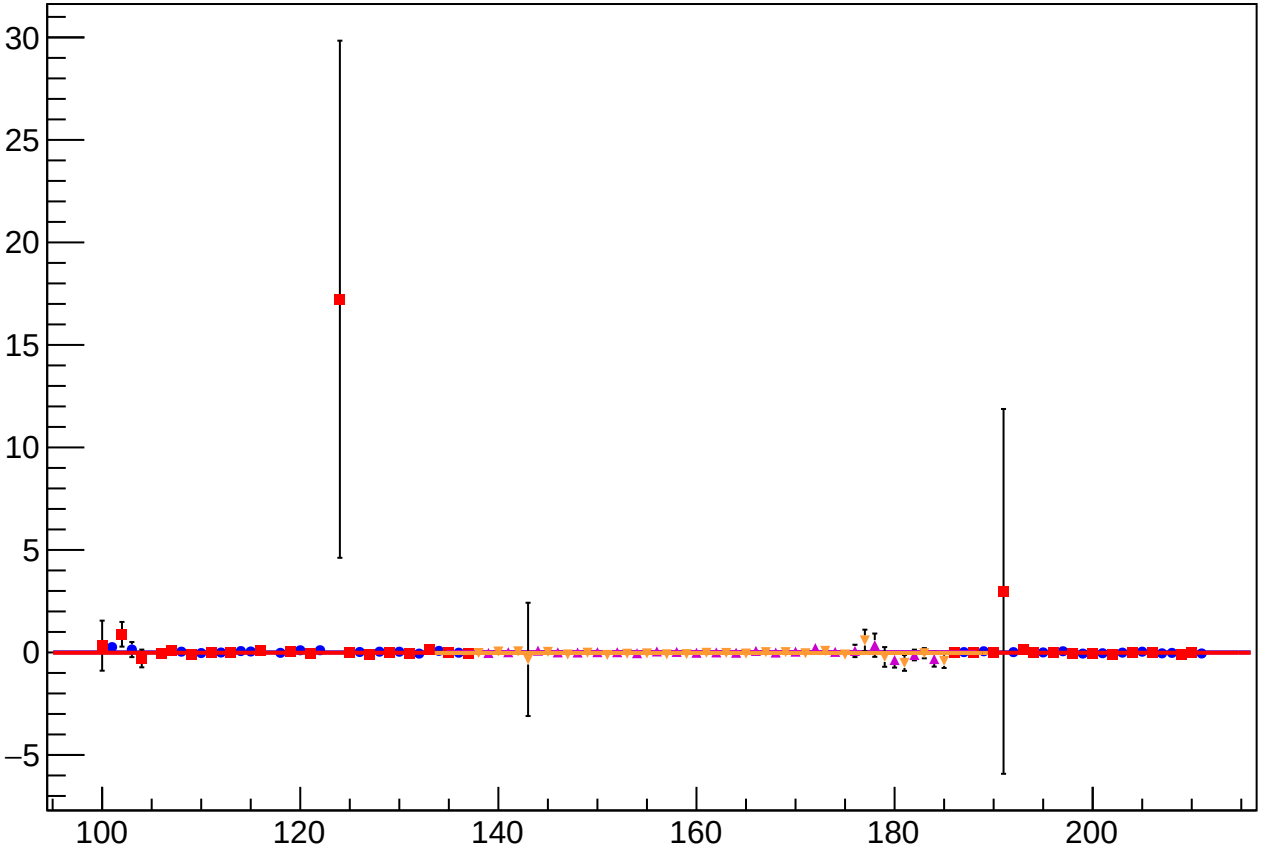
Right: 41.313+/-0.006 χ^2/NDF: 9765406.1/60

In: 36.242+/-0.005 χ^2/NDF:13897567.0/50

Out: 36.091+/-0.005 χ^2/NDF:17053095.0/57

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

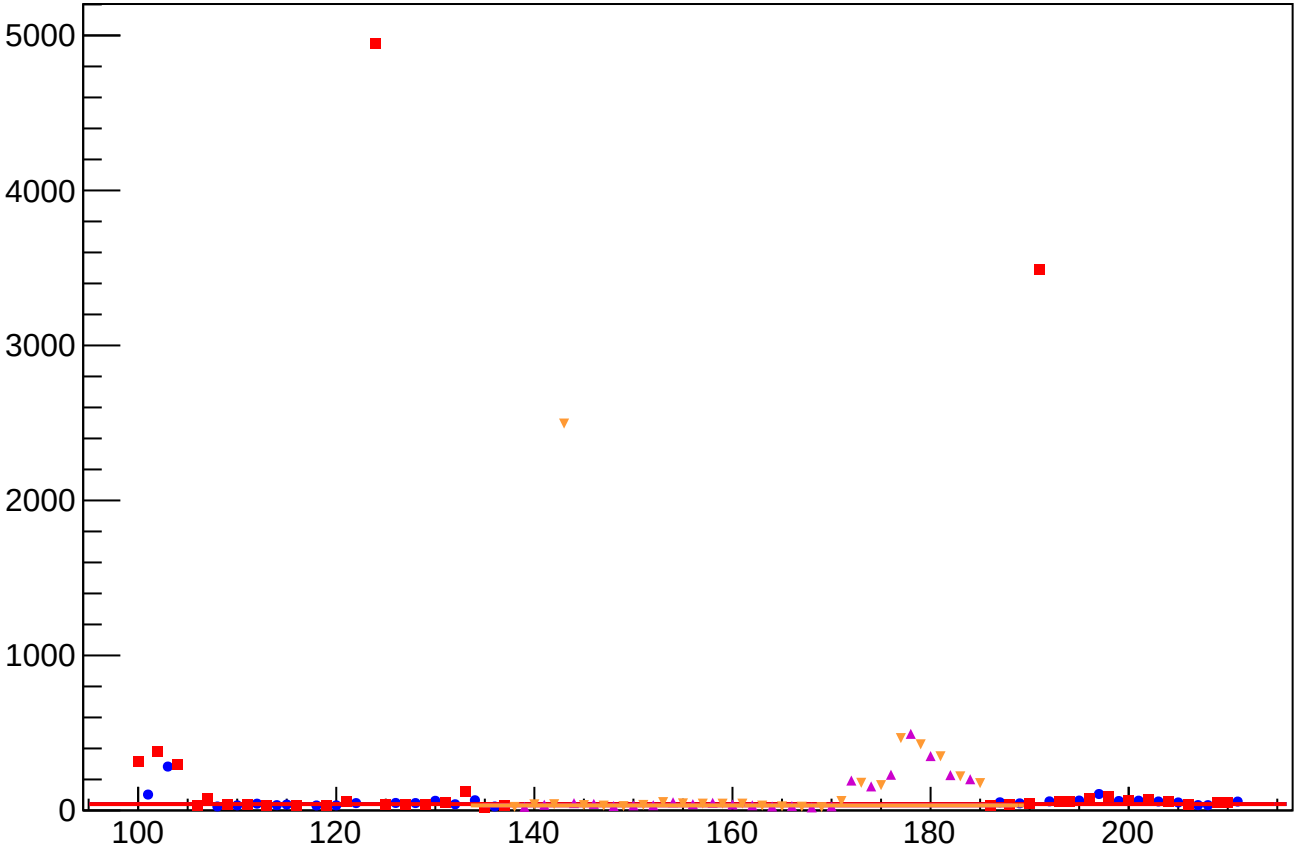
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

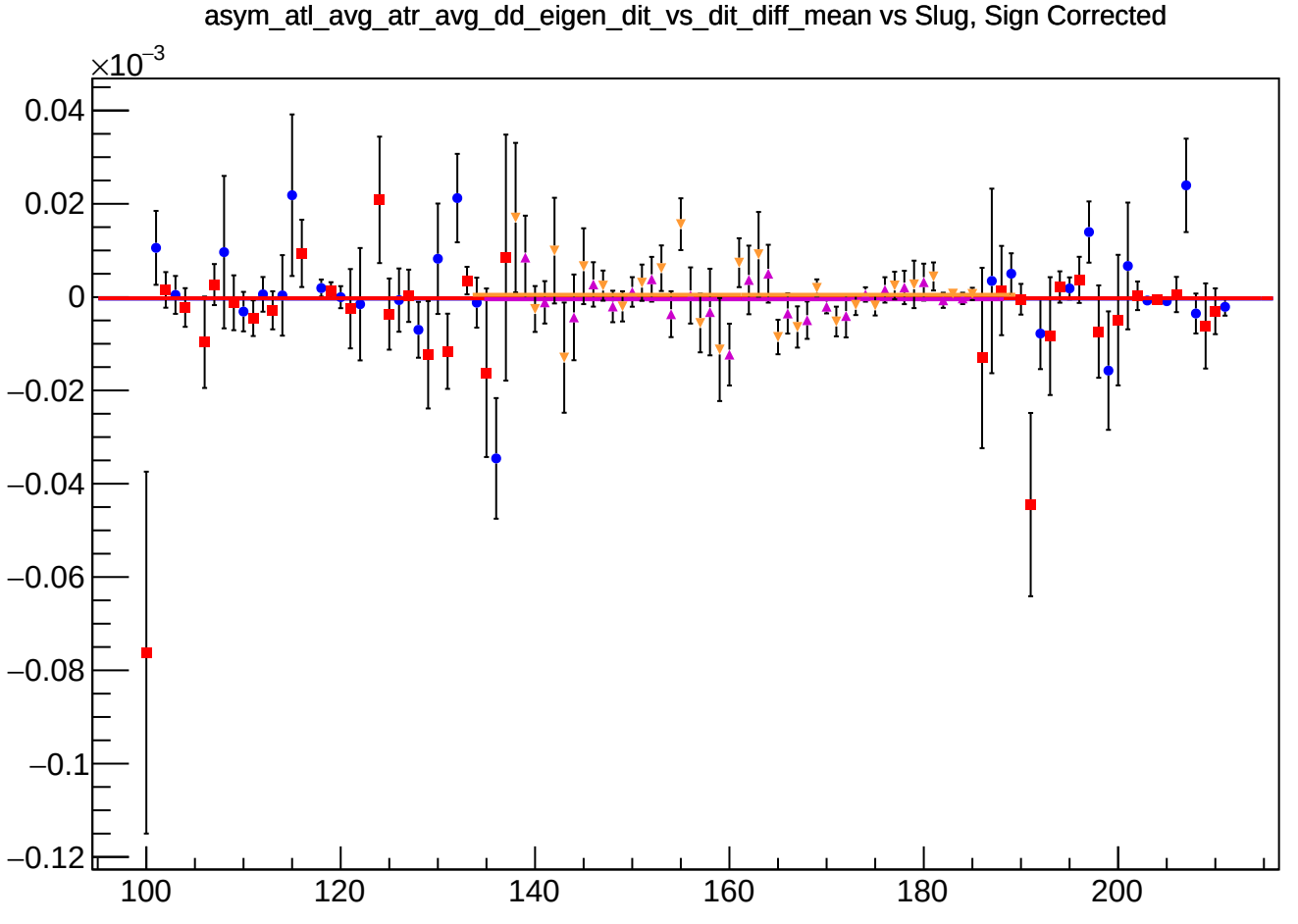
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.313+/-0.006 χ^2/NDF: 9765406.1/60

In: 36.242+/-0.005 χ^2/NDF:13897567.0/50

Out: 36.091+/-0.005 χ^2/NDF:17053095.0/57

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/32

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

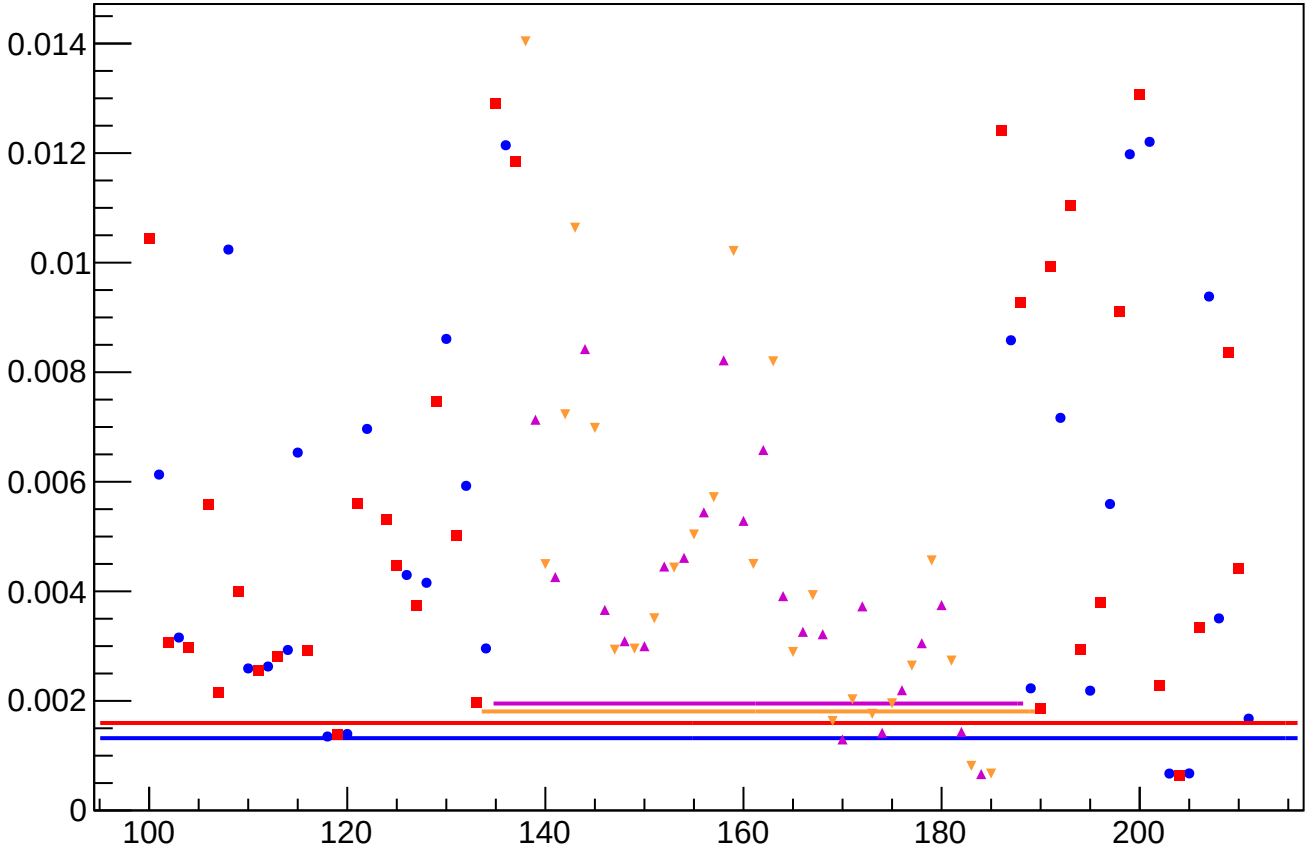
Right: -0.000+/-0.000 χ^2/NDF: 64.6/60

In: -0.000+/-0.000 χ^2/NDF:51.4/50

Out: 0.000+/-0.000 χ^2/NDF:63.5/57

All: -0.000+/-0.000 χ^2/NDF: 115.9/108

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: 15949446.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17195668.7/32

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

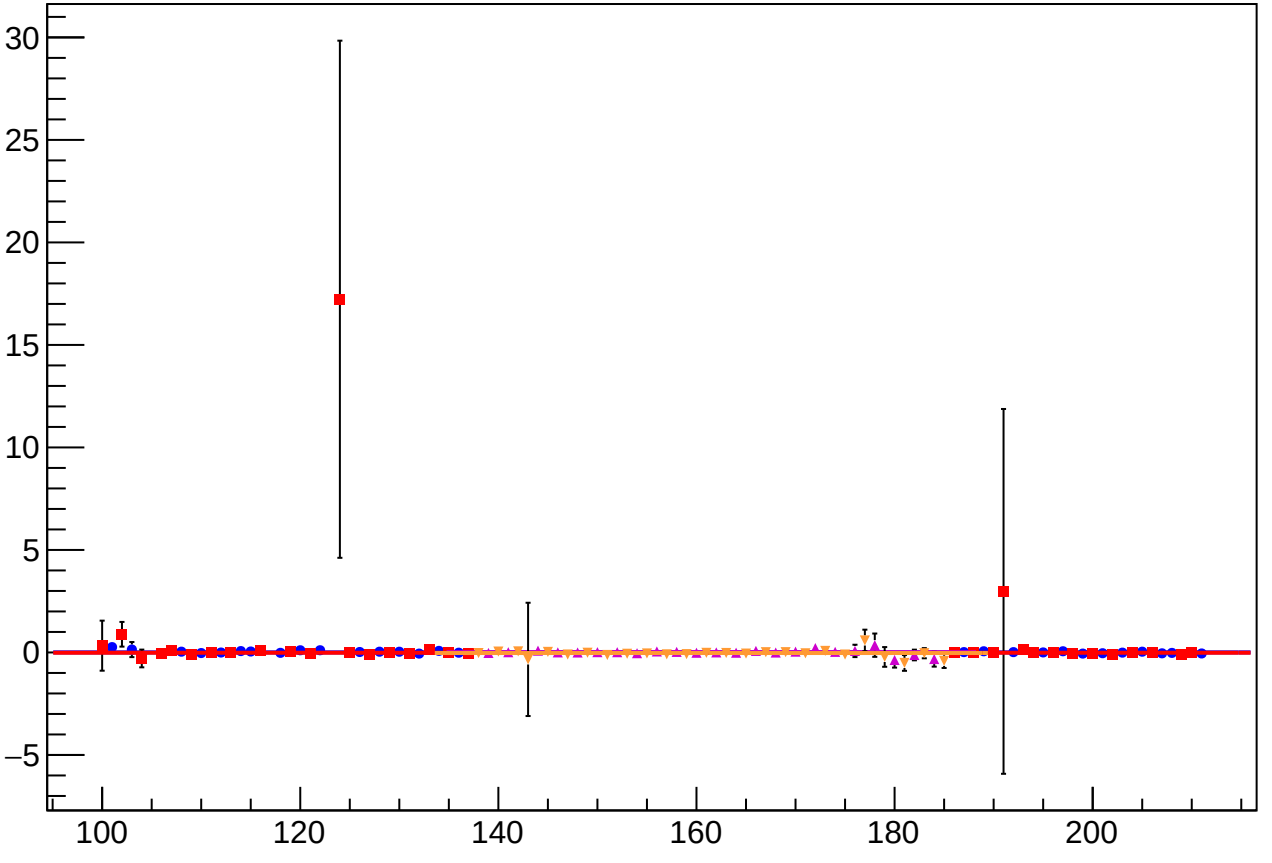
Right: 0.001+/-0.000 χ^2/NDF: 33421223.3/60

In: 0.002+/-0.000 χ^2/NDF:28780536.0/50

Out: 0.002+/-0.000 χ^2/NDF:32282571.7/57

All: 0.002+/-0.000 χ^2/NDF: 61165156.4/108

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

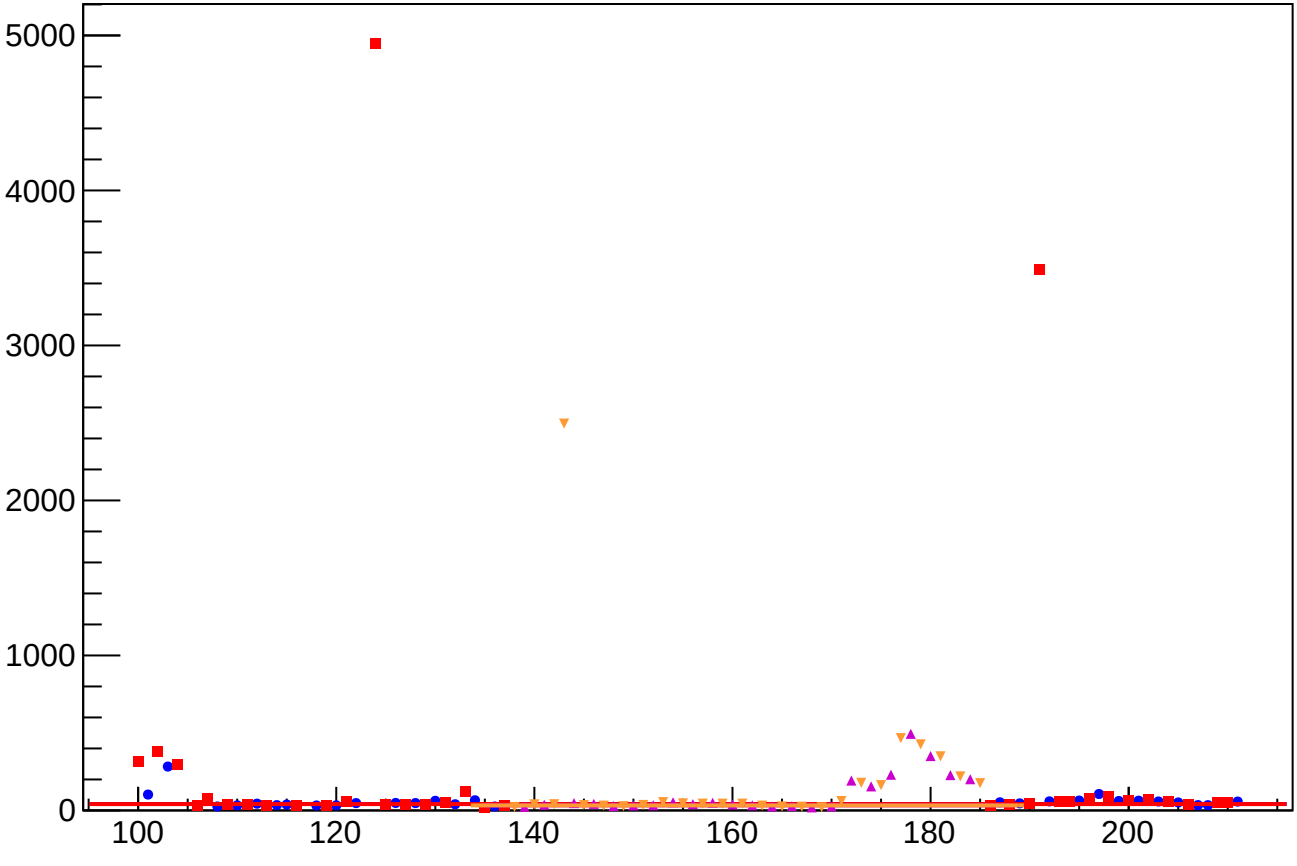
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

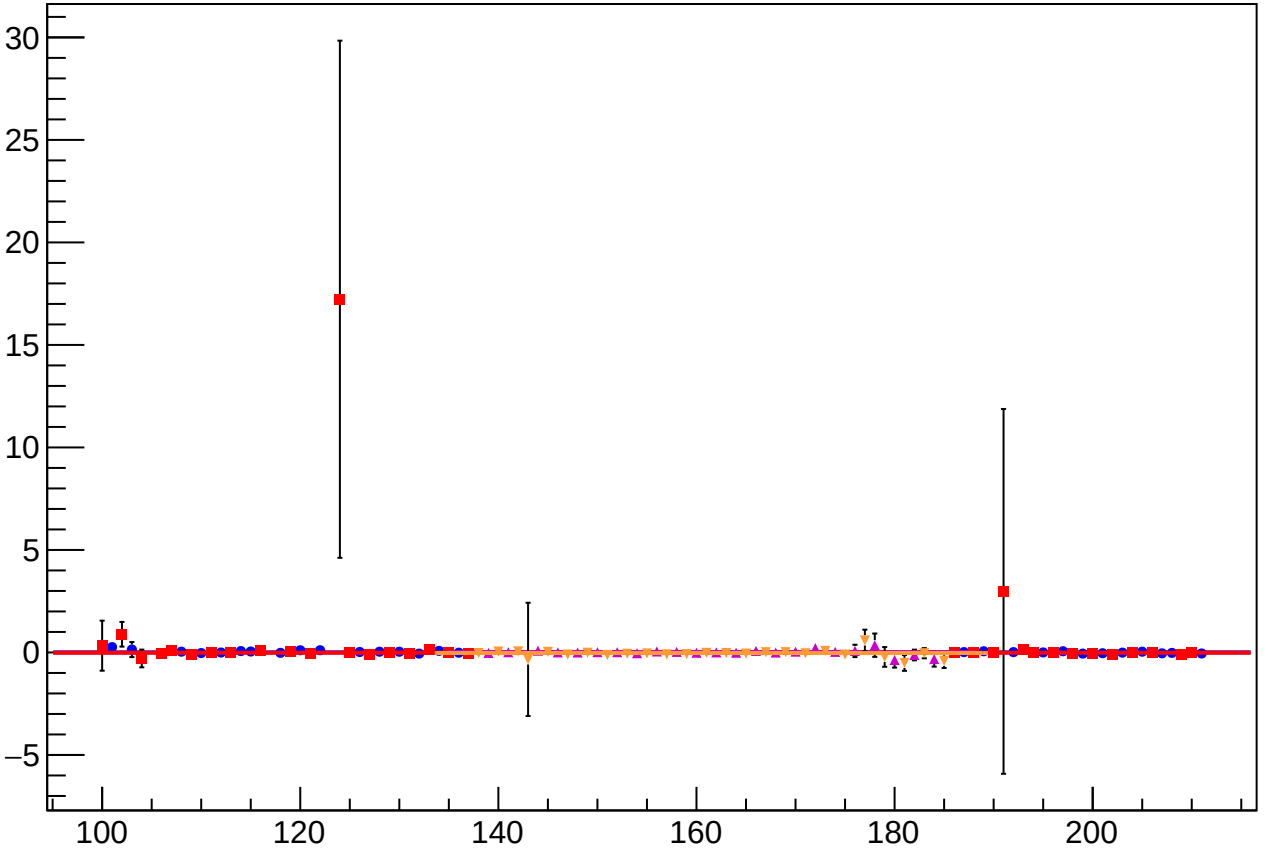
Right: 41.313+/-0.006 χ^2/NDF: 9764855.3/60

In: 36.241+/-0.005 χ^2/NDF:13898083.6/50

Out: 36.091+/-0.005 χ^2/NDF:17053189.1/57

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

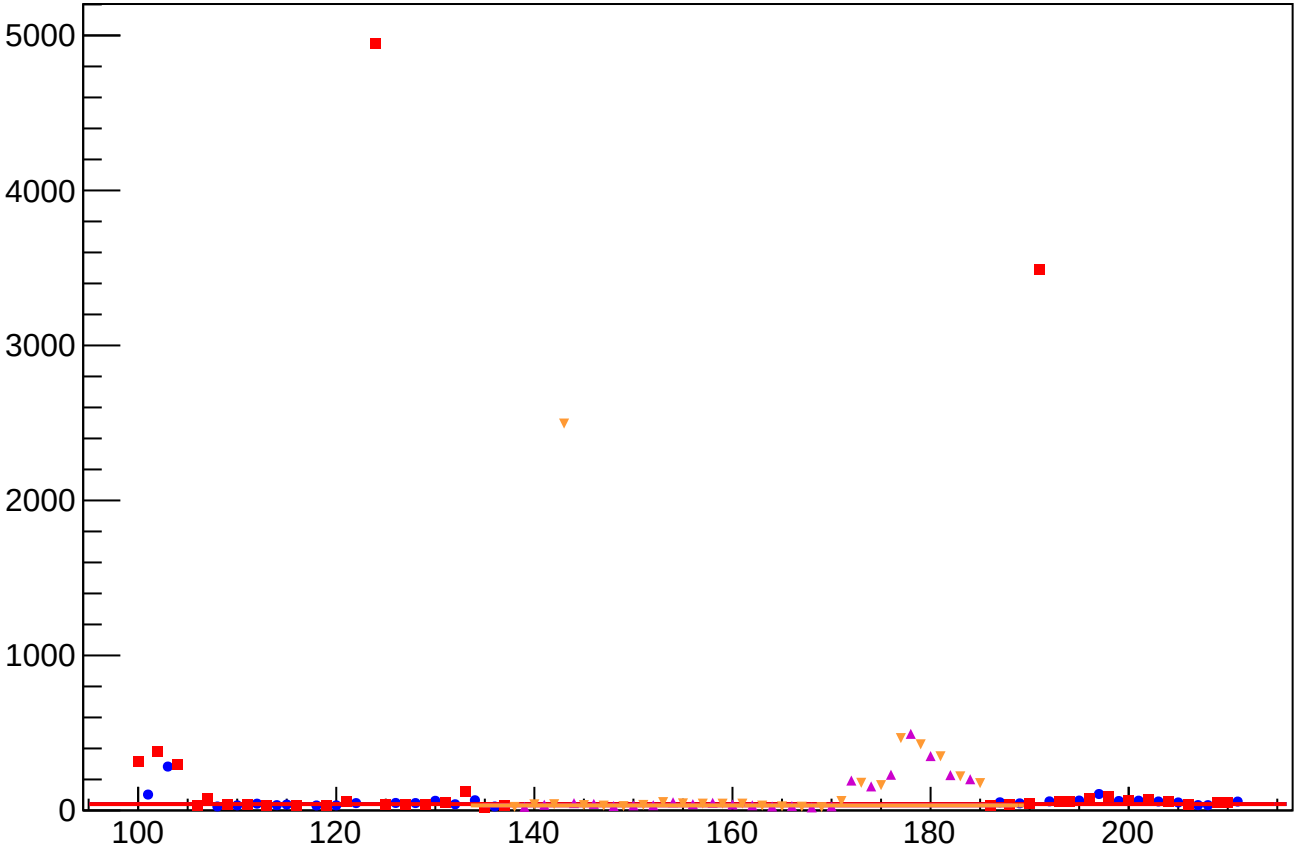
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

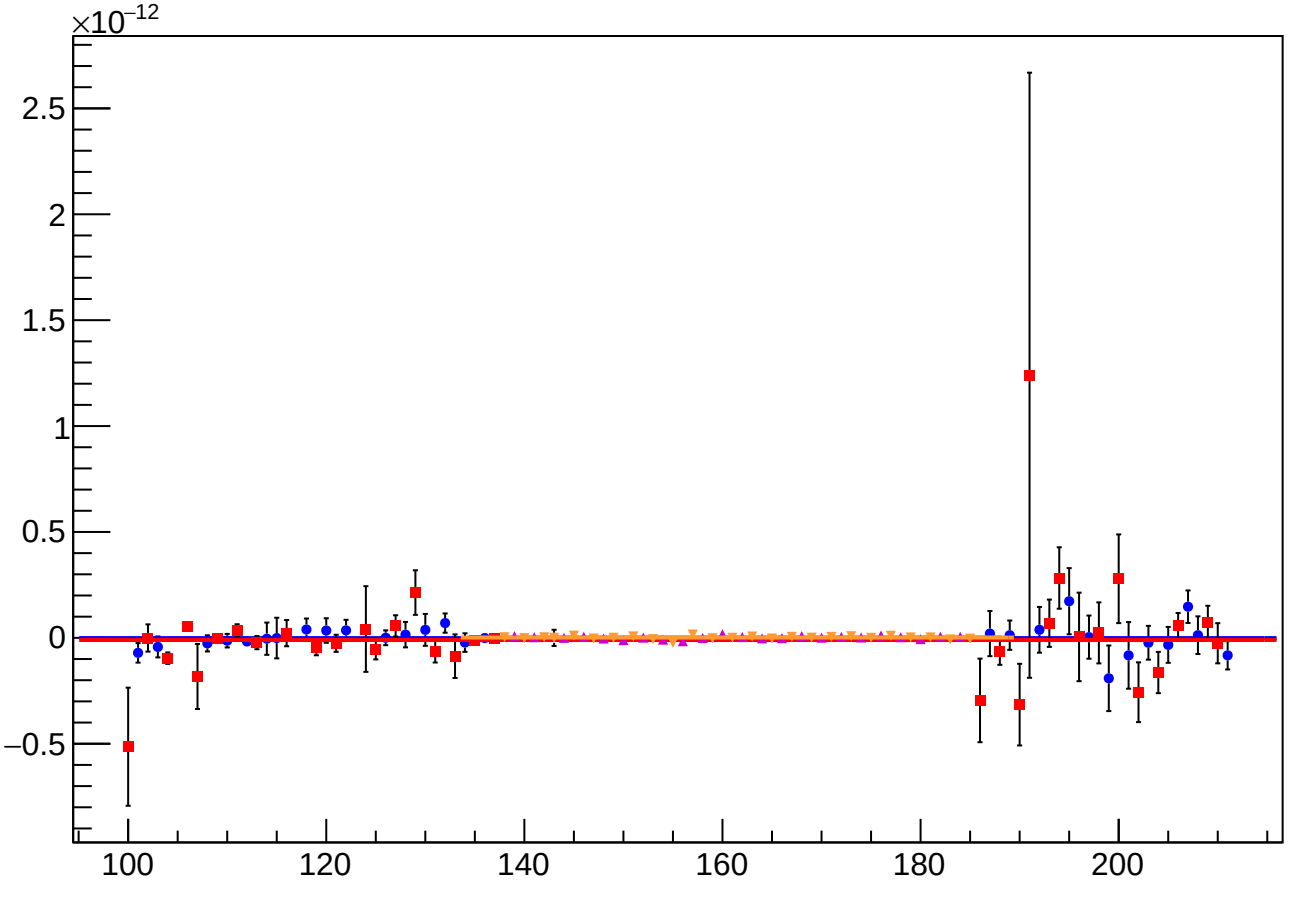
Right: 41.313+/-0.006 χ^2/NDF: 9764855.3/60

In: 36.241+/-0.005 χ^2/NDF:13898083.6/50

Out: 36.091+/-0.005 χ^2/NDF:17053189.1/57

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

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: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/32

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

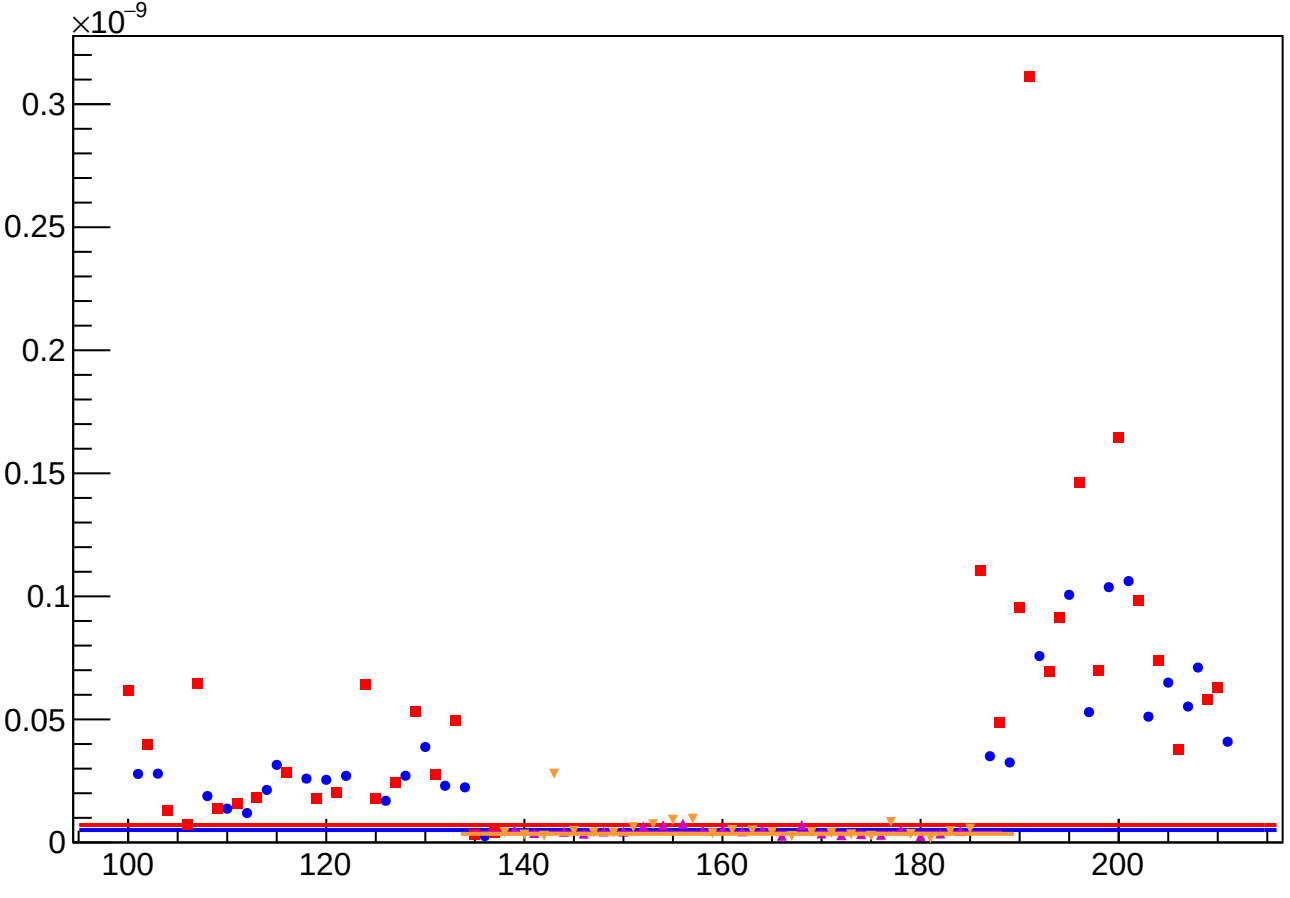
Right: -0.000+/-0.000 χ^2/NDF: 80.5/60

In: 0.000+/-0.000 χ^2/NDF:46.5/50

Out: 0.000+/-0.000 χ^2/NDF:86.0/57

All: 0.000+/-0.000 χ^2/NDF: 132.5/108

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: 13558924.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14430721.4/32

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

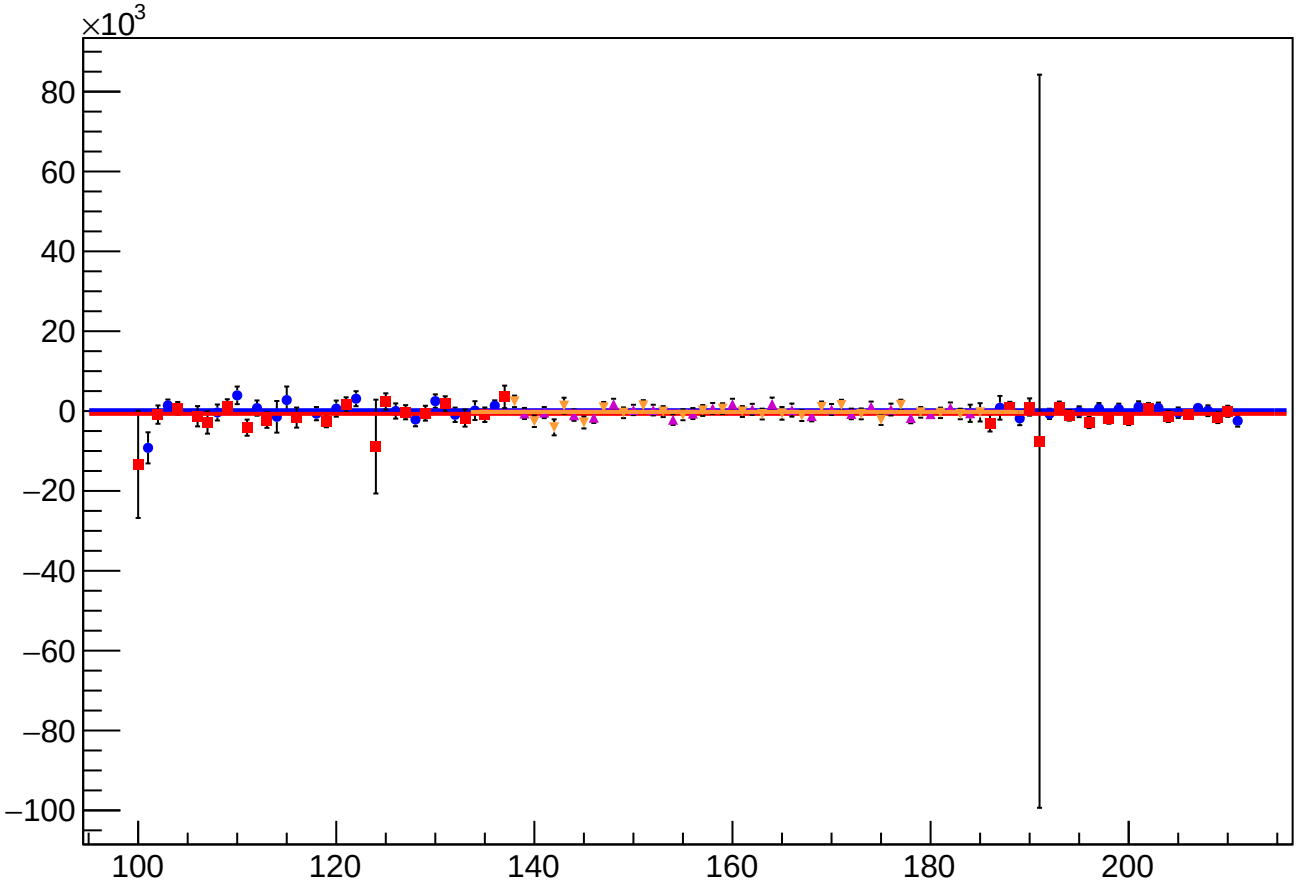
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 28280038.4/60

In: 0.000+/-0.000 χ^2/NDF:15810375.5/50

Out: 0.000+/-0.000 χ^2/NDF:20532130.7/57

All: 0.000+/-0.000 χ^2/NDF: 36465183.0/108



Right In: 216.543+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -694.102+/-303.603 χ^2/NDF: 28.0/32

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

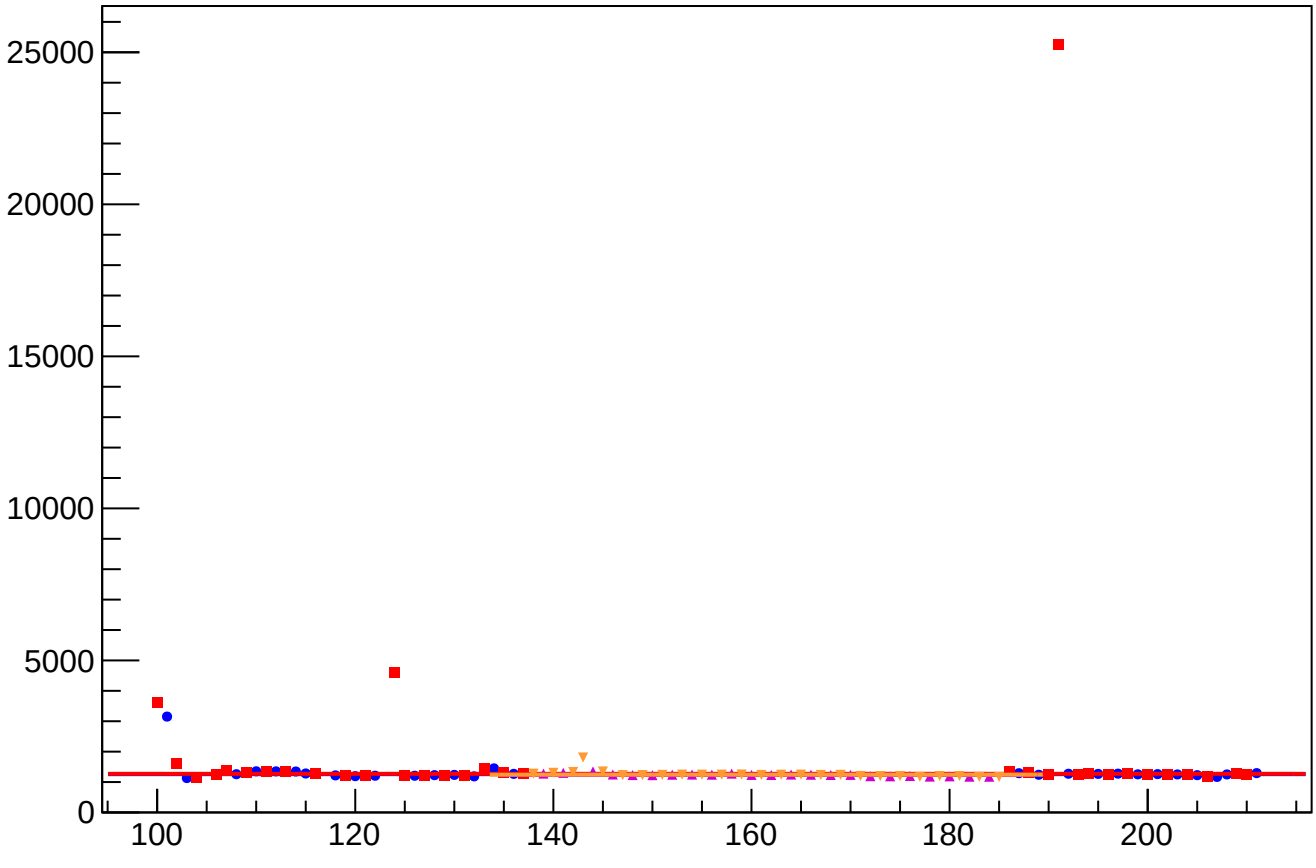
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -250.542+/-217.435 χ^2/NDF: 56.6/60

In: 50.070+/-211.569 χ^2/NDF:39.4/50

Out: -440.851+/-207.033 χ^2/NDF:53.2/57

All: -200.709+/-147.972 χ^2/NDF: 95.4/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535029.5/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.260+/-0.215 χ^2/NDF: 486678.6/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

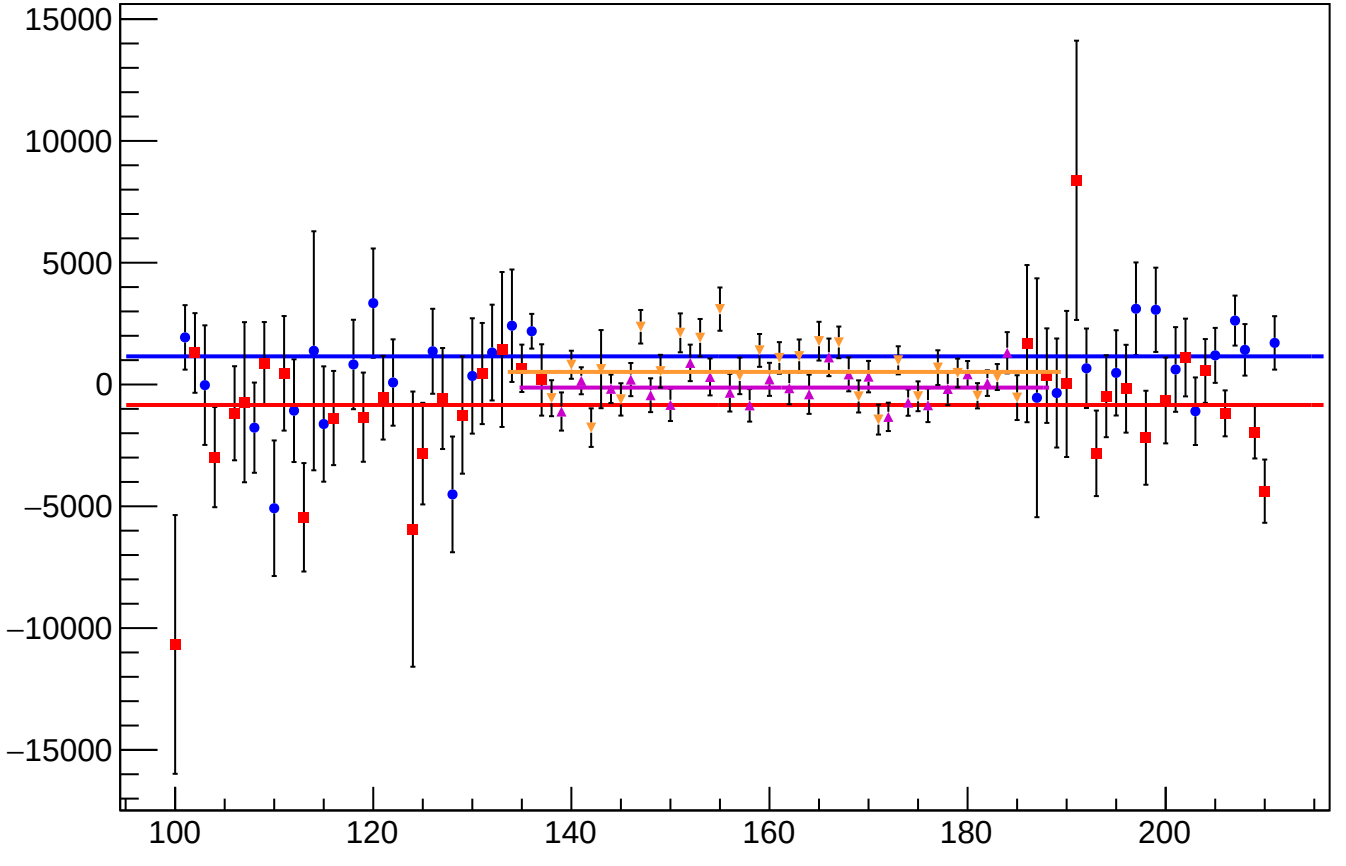
Right: 1265.082+/-0.154 χ^2/NDF: 1022902.4/60

In: 1245.686+/-0.150 χ^2/NDF:581746.5/50

Out: 1255.583+/-0.146 χ^2/NDF:698715.0/57

All: 1250.742+/-0.105 χ^2/NDF: 1282697.0/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1155.637+/-296.418 χ^2/NDF: 28.4/27

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -840.628+/-304.190 χ^2/NDF: 34.5/32

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

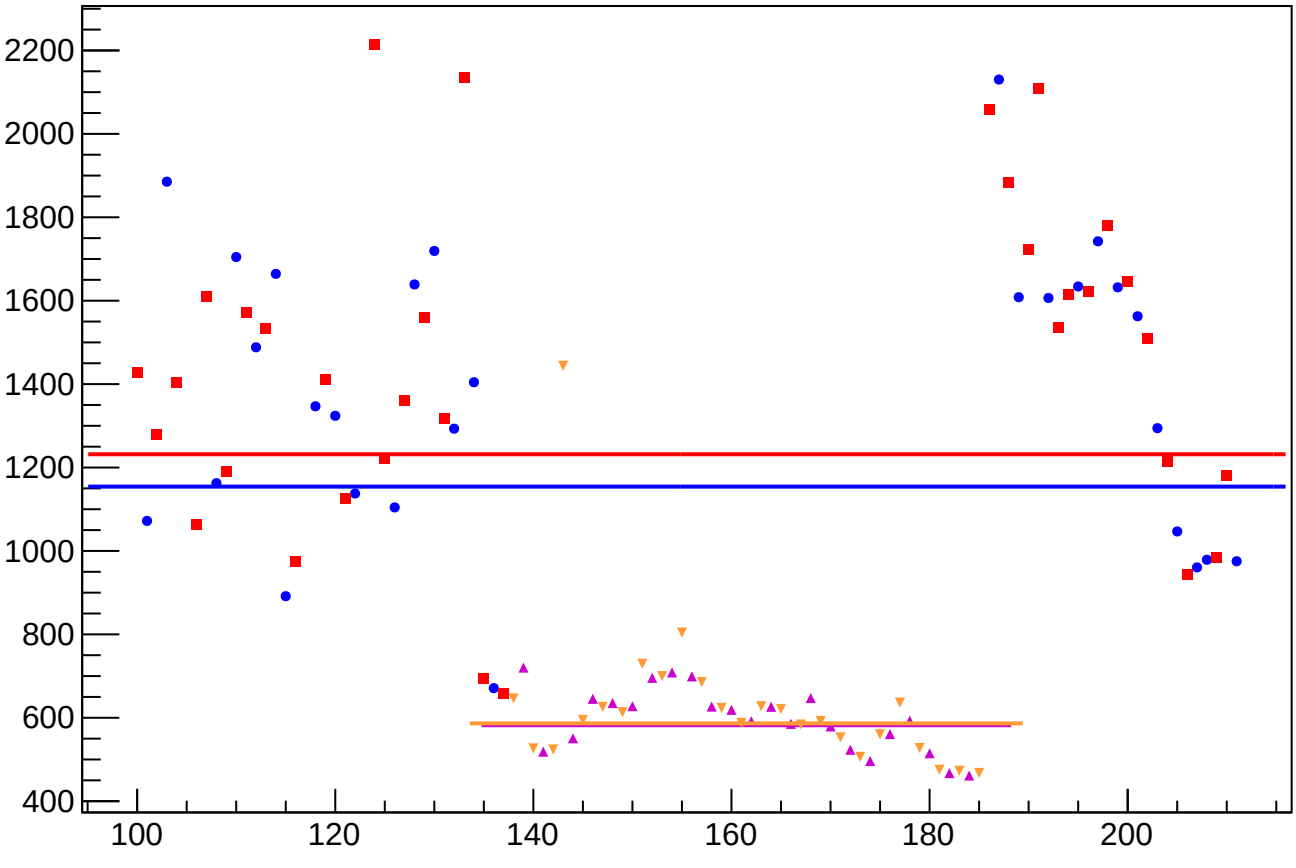
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 183.331+/-212.294 χ^2/NDF: 85.0/60

In: 99.842+/-124.559 χ^2/NDF:65.3/50

Out: 291.364+/-123.963 χ^2/NDF:118.2/57

All: 196.062+/-87.865 χ^2/NDF: 184.7/108



Right In: 1154.239+/-0.210 χ^2/NDF: 2682578.8/27

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1231.803+/-0.215 χ^2/NDF: 2734025.8/32

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

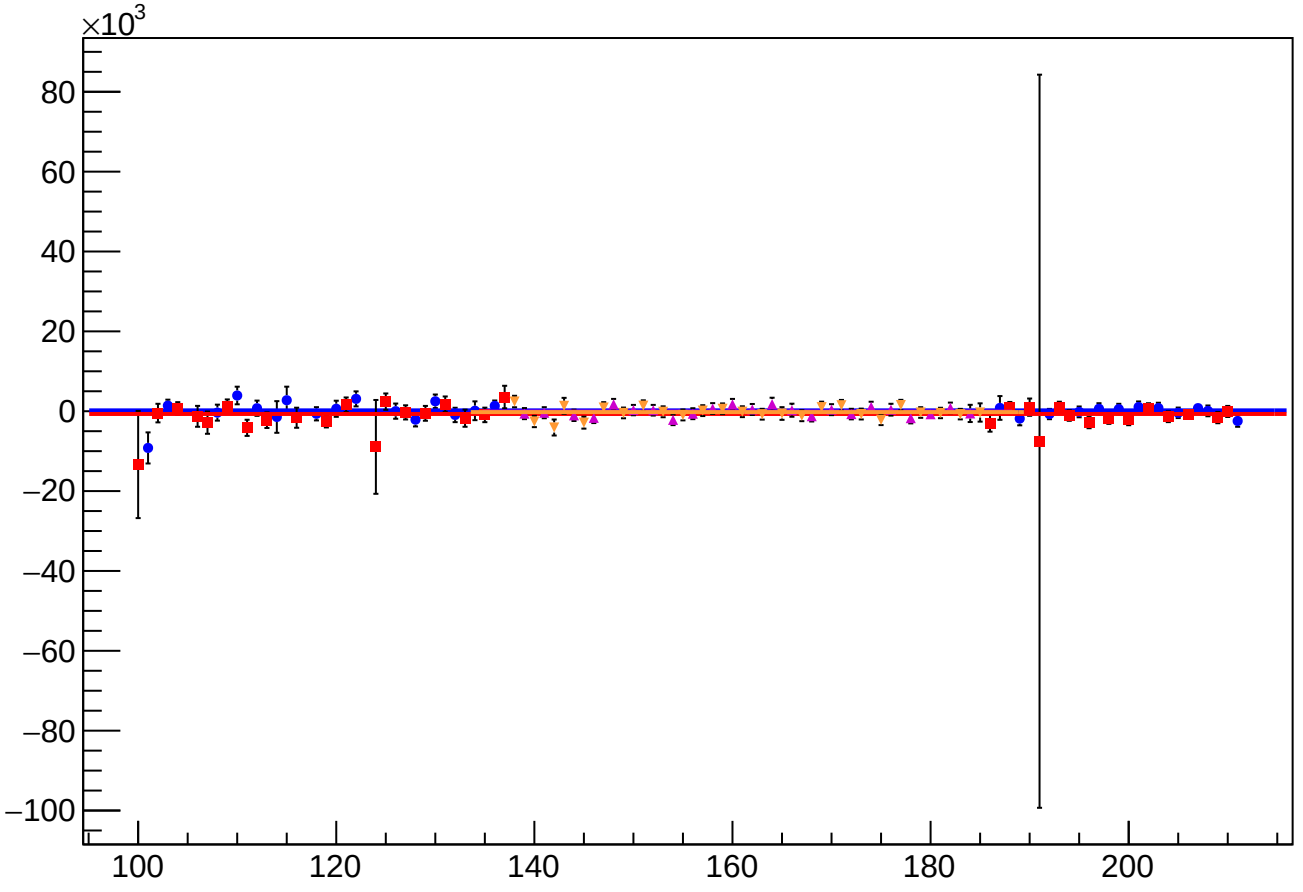
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1192.018+/-0.150 χ^2/NDF: 5483304.5/60

In: 683.202+/-0.088 χ^2/NDF:9375342.7/50

Out: 693.714+/-0.088 χ^2/NDF:11441413.0/57

All: 688.483+/-0.062 χ^2/NDF: 20823911.8/10



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -686.170+/-303.809 χ^2/NDF: 28.0/32

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

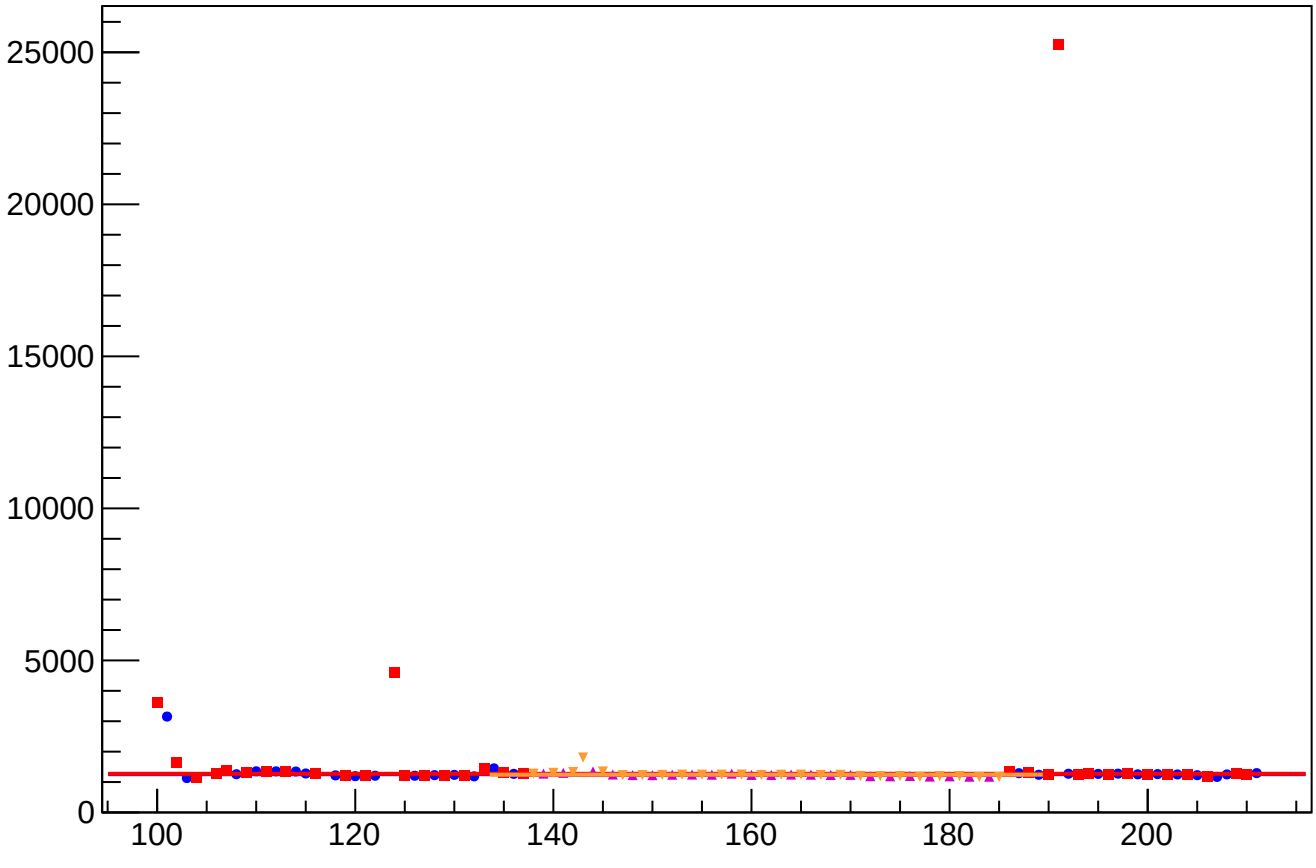
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -246.062+/-217.510 χ^2/NDF: 56.5/60

In: 50.132+/-211.569 χ^2/NDF:39.4/50

Out: -437.024+/-207.099 χ^2/NDF:53.1/57

All: -198.647+/-147.996 χ^2/NDF: 95.2/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

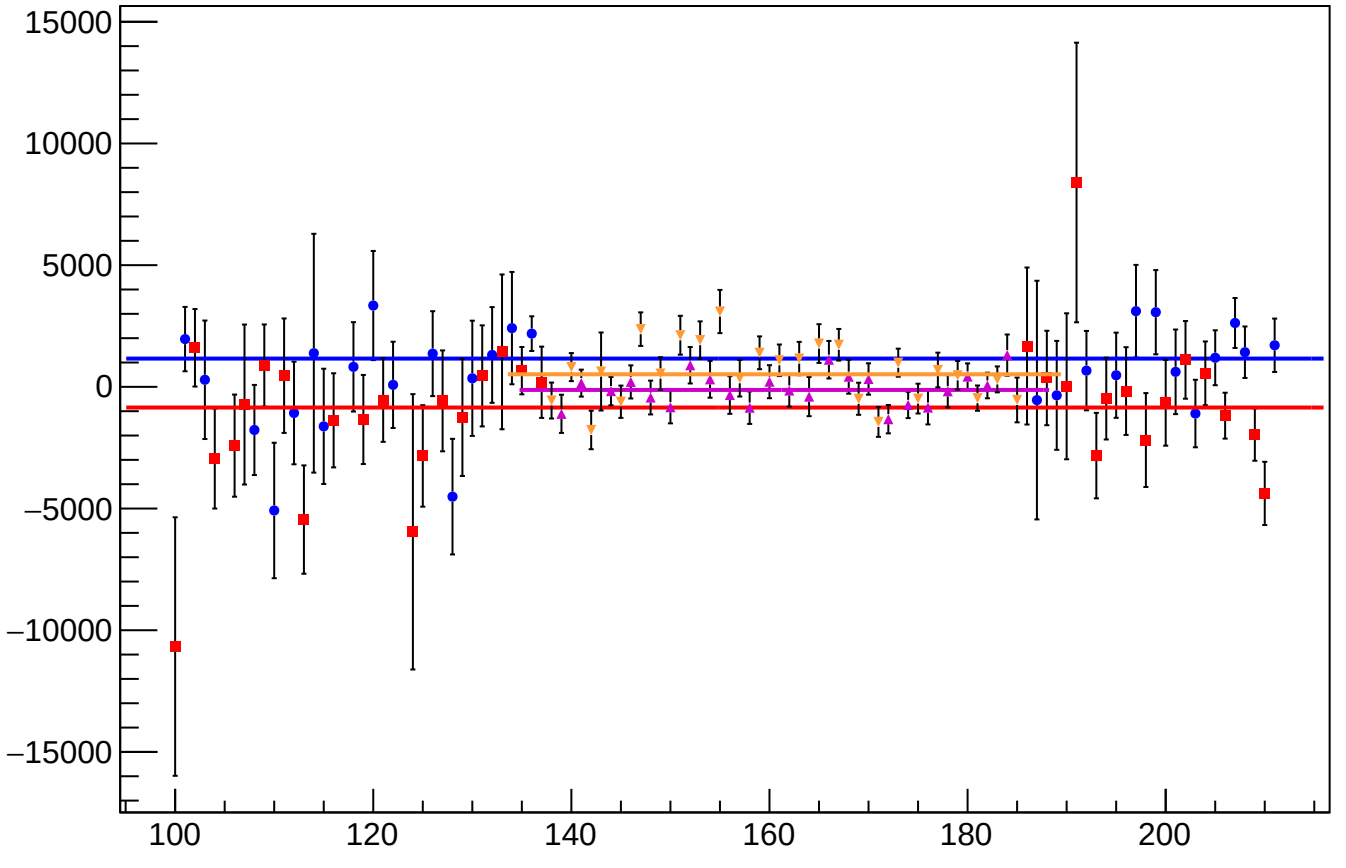
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.538+/-0.154 χ^2/NDF: 1030270.9/60

In: 1245.686+/-0.150 χ^2/NDF:581747.8/50

Out: 1255.990+/-0.146 χ^2/NDF:706446.3/57

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

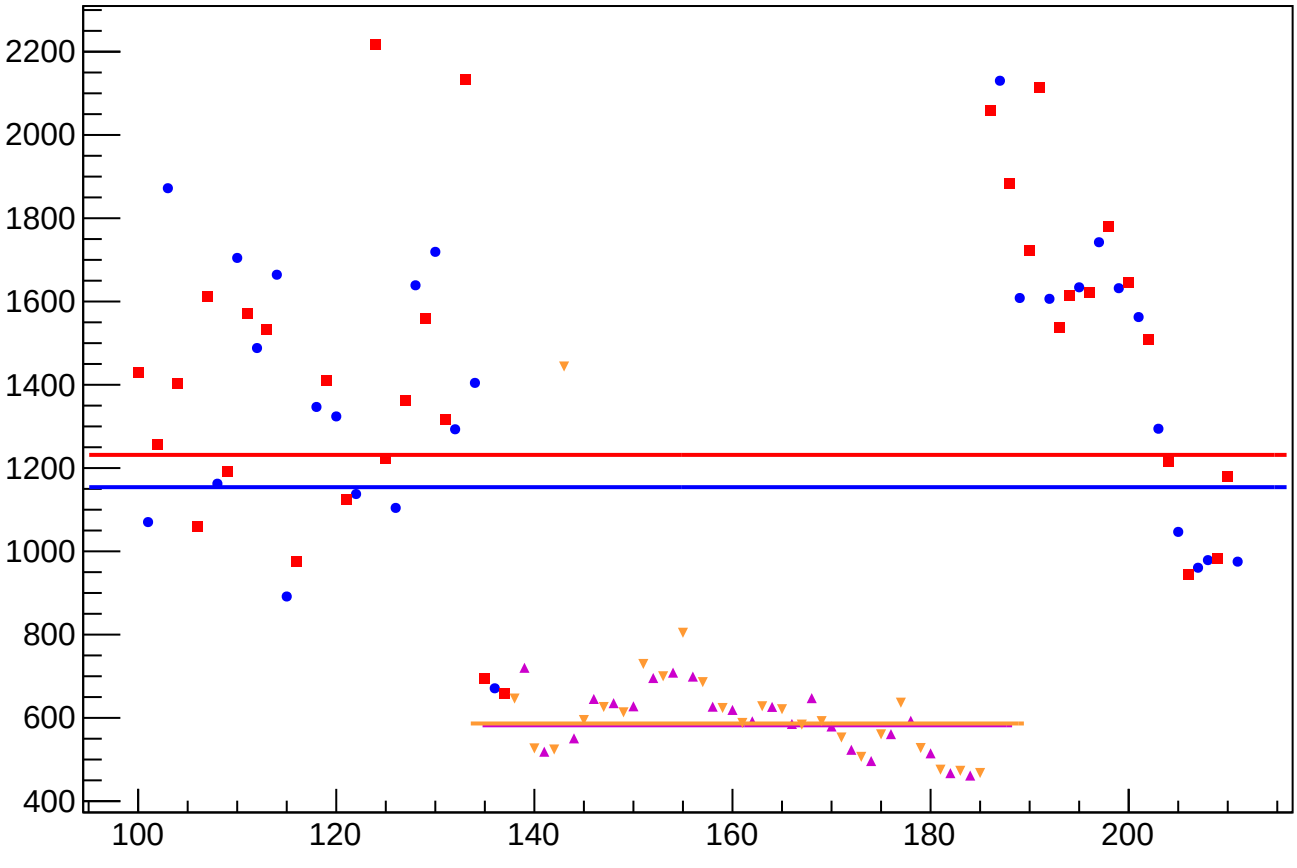
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 183.218+/-212.368 χ^2/NDF: 86.4/60

In: 100.987+/-124.554 χ^2/NDF:65.4/50

Out: 290.259+/-123.983 χ^2/NDF:119.5/57

All: 196.058+/-87.870 χ^2/NDF: 186.1/108



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

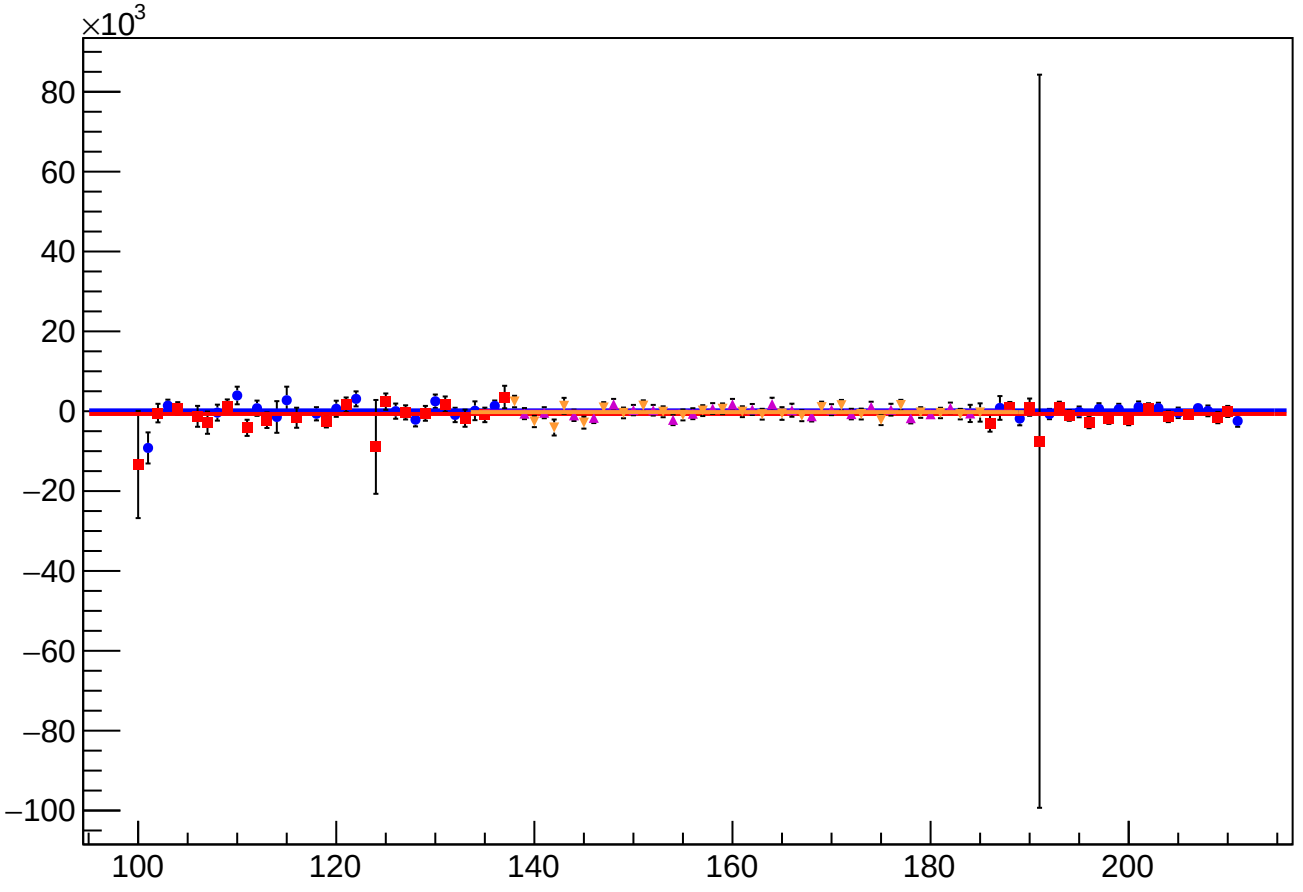
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1191.830+/-0.150 χ^2/NDF: 5477381.4/60

In: 683.212+/-0.088 χ^2/NDF:9371652.1/50

Out: 693.525+/-0.088 χ^2/NDF:11423051.9/57

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -686.170+/-303.809 χ^2/NDF: 28.0/32

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

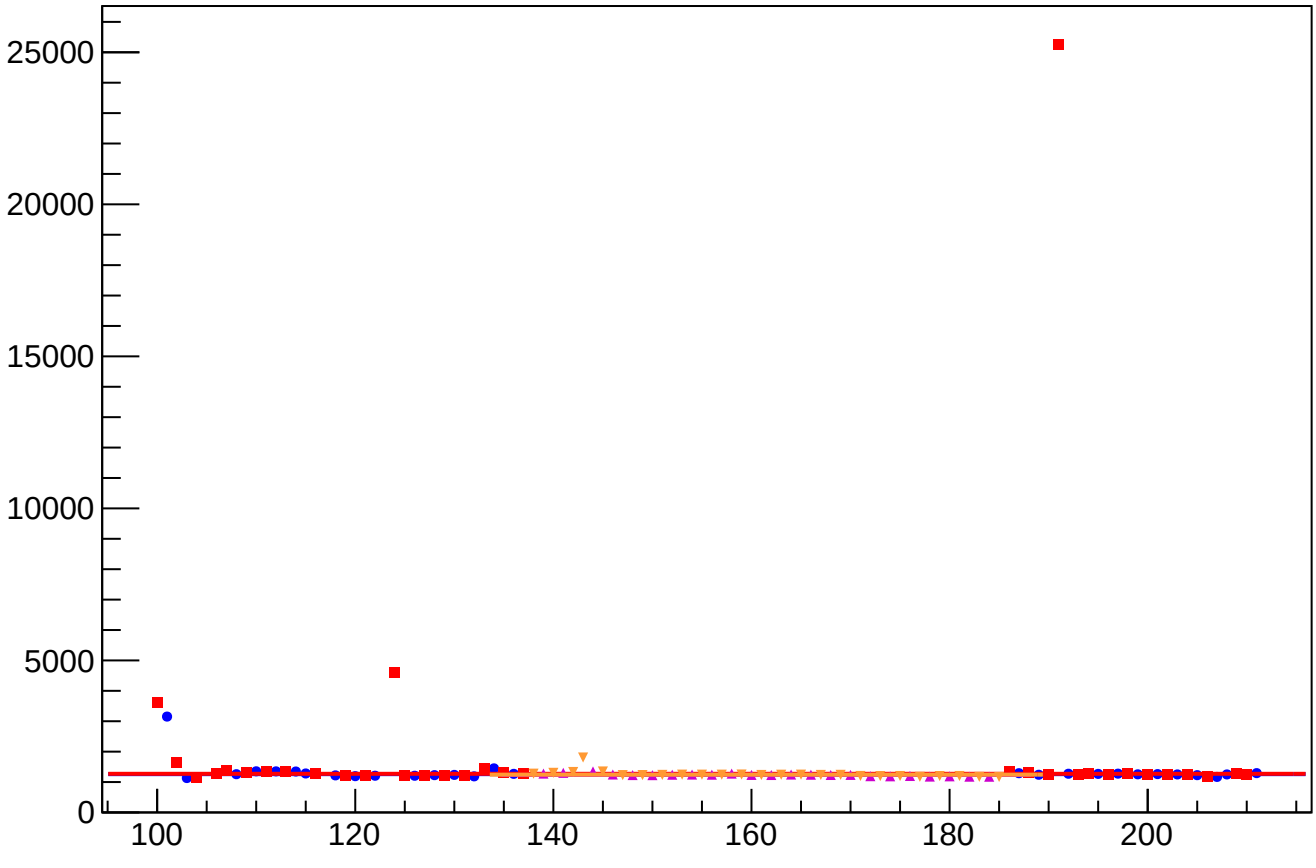
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -246.062+/-217.510 χ^2/NDF: 56.5/60

In: 50.132+/-211.569 χ^2/NDF:39.4/50

Out: -437.024+/-207.099 χ^2/NDF:53.1/57

All: -198.647+/-147.996 χ^2/NDF: 95.2/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

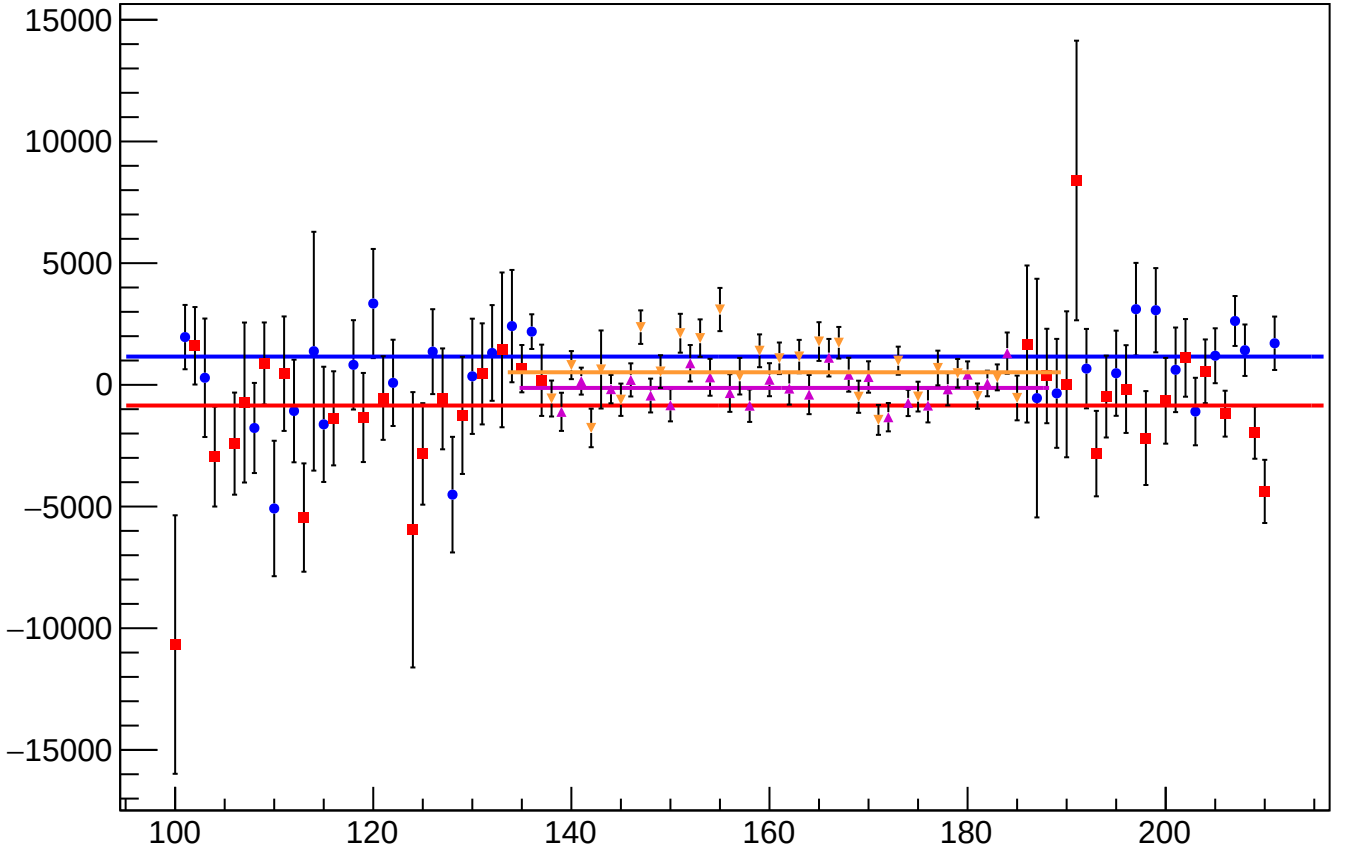
Right: 1265.538+/-0.154 χ^2/NDF: 1030270.9/60

In: 1245.686+/-0.150 χ^2/NDF:581747.8/50

Out: 1255.990+/-0.146 χ^2/NDF:706446.3/57

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

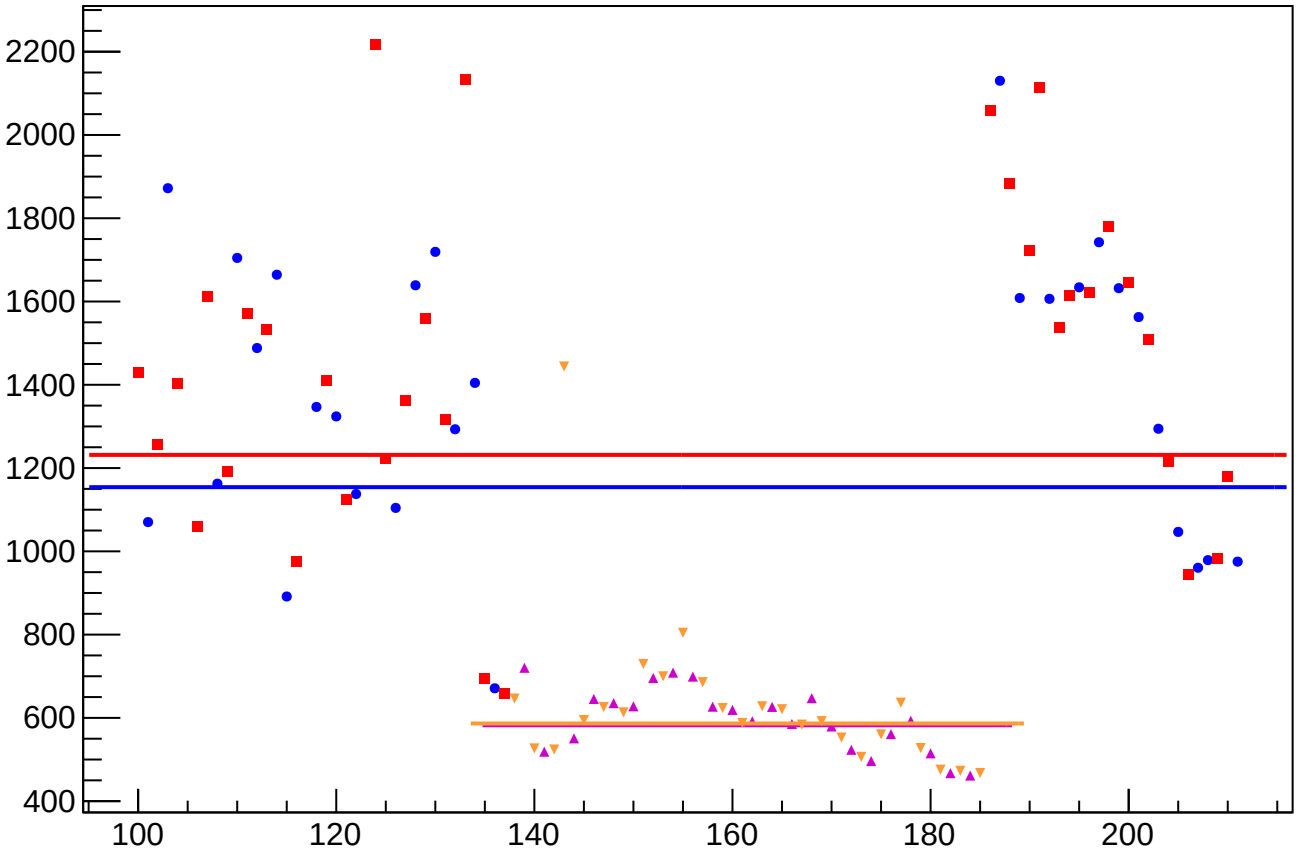
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 183.218+/-212.368 χ^2/NDF: 86.4/60

In: 100.987+/-124.554 χ^2/NDF:65.4/50

Out: 290.259+/-123.983 χ^2/NDF:119.5/57

All: 196.058+/-87.870 χ^2/NDF: 186.1/108



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

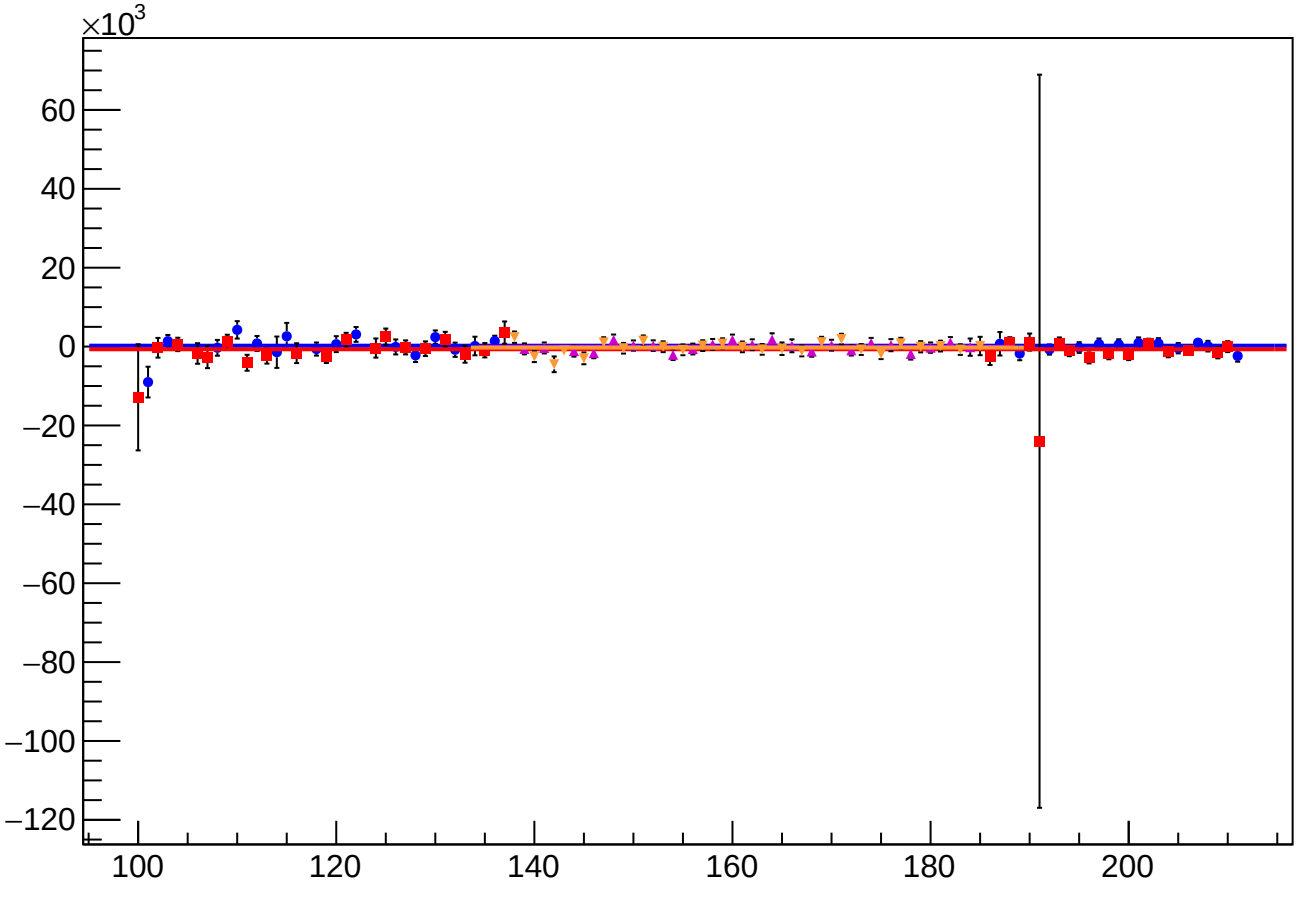
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1191.830+/-0.150 χ^2/NDF: 5477381.4/60

In: 683.212+/-0.088 χ^2/NDF:9371652.1/50

Out: 693.525+/-0.088 χ^2/NDF:11423051.9/57

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10



Right In: 222.479+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -682.822+/-303.062 χ^2/NDF: 27.5/32

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

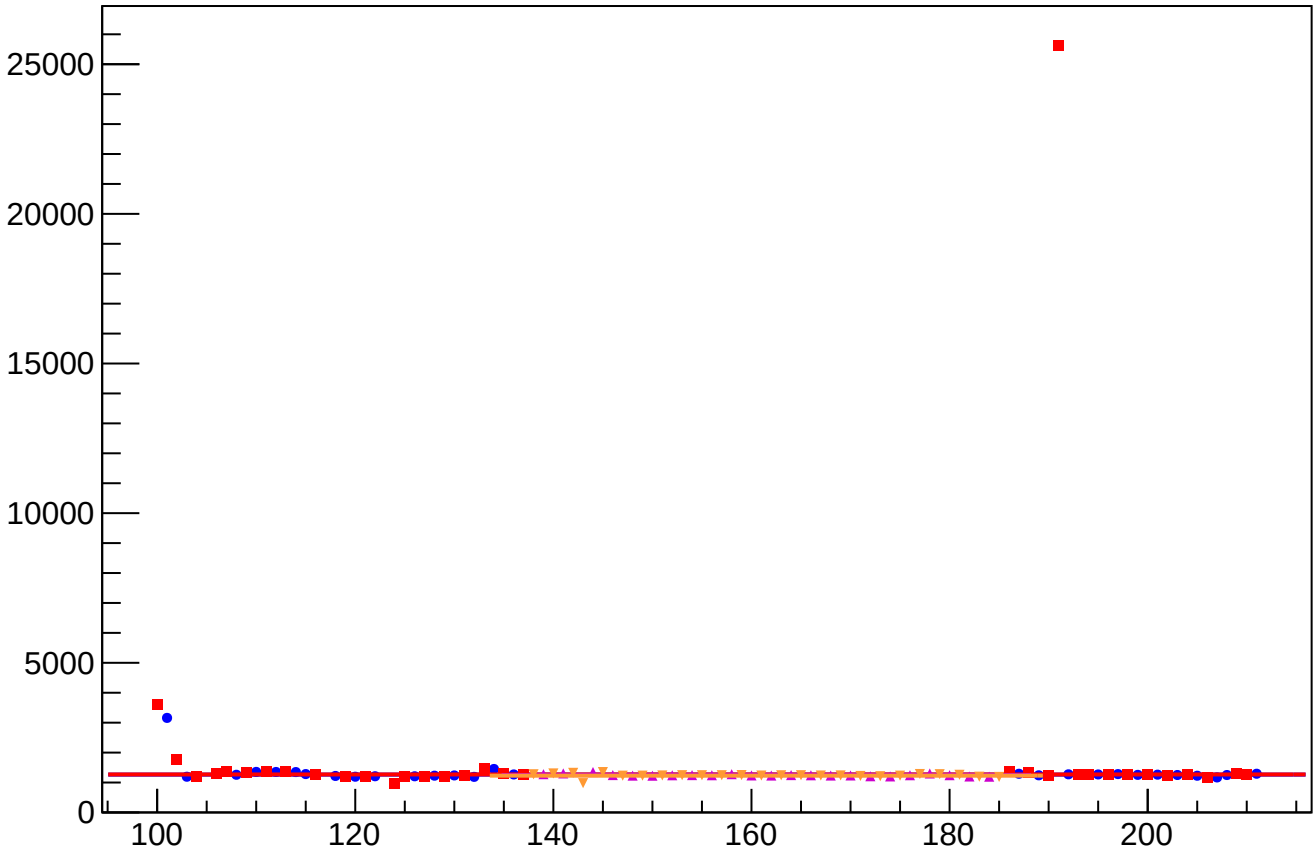
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -244.188+/-217.589 χ^2/NDF: 56.0/60

In: 63.406+/-213.173 χ^2/NDF:38.6/50

Out: -449.717+/-205.630 χ^2/NDF:52.6/57

All: -202.395+/-147.997 χ^2/NDF: 94.2/108



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.3/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.2/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

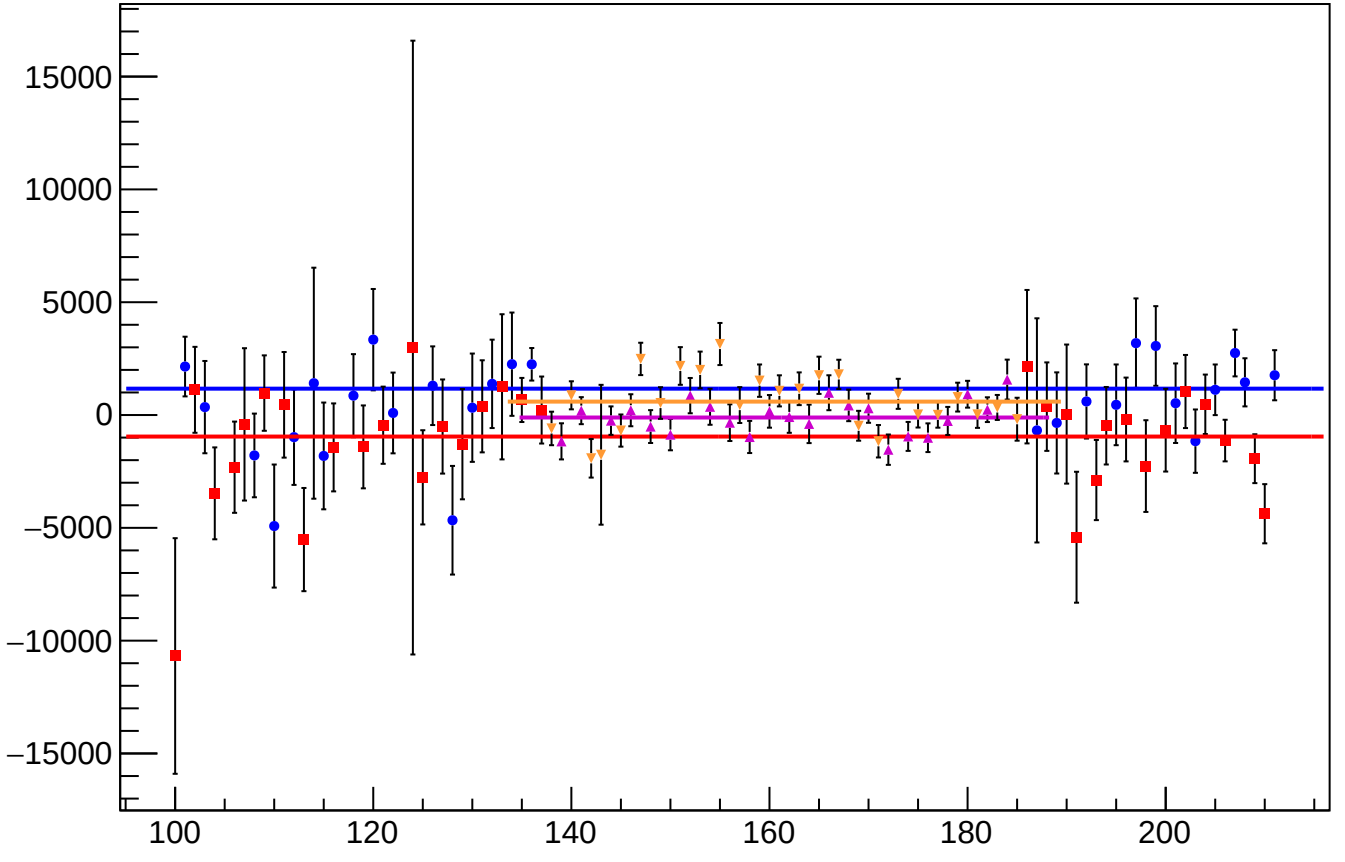
Right: 1266.929+/-0.154 χ^2/NDF: 910273.6/60

In: 1255.343+/-0.151 χ^2/NDF:555085.9/50

Out: 1248.245+/-0.145 χ^2/NDF:545179.3/57

All: 1251.666+/-0.105 χ^2/NDF: 1101413.8/10

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1168.618+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -954.200+/-306.970 χ^2/NDF: 33.7/32

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

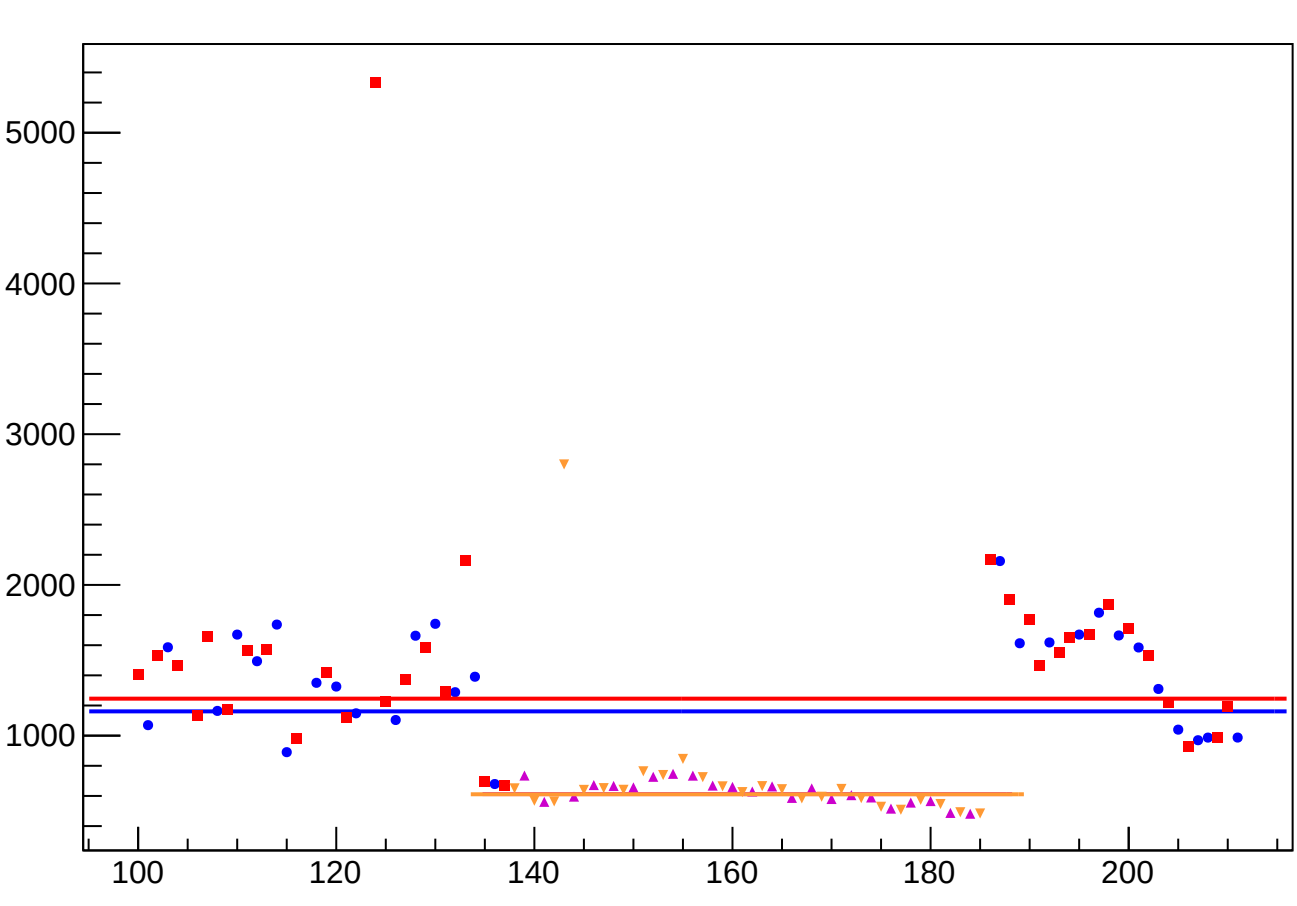
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 139.360+/-213.748 χ^2/NDF: 87.6/60

In: 132.726+/-129.810 χ^2/NDF:69.9/50

Out: 321.513+/-128.976 χ^2/NDF:112.0/57

All: 227.728+/-91.493 χ^2/NDF: 183.0/108



Right In: 1161.056+/-0.211 χ^2/NDF: 2618532.2/27

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1245.422+/-0.217 χ^2/NDF: 3027563.7/32

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

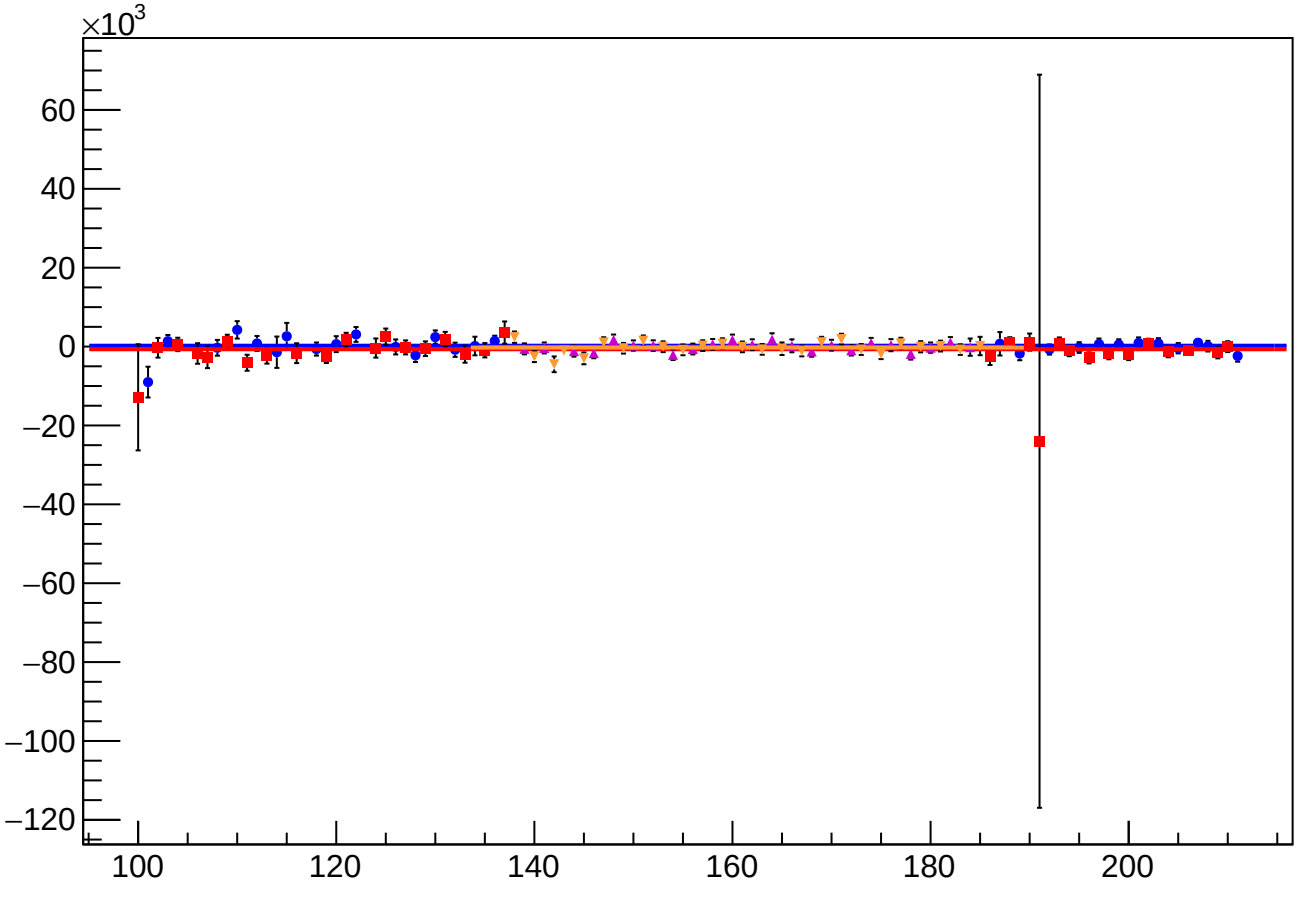
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1201.961+/-0.151 χ^2/NDF: 5723918.2/60

In: 716.640+/-0.092 χ^2/NDF:8625656.5/50

Out: 723.068+/-0.091 χ^2/NDF:11679577.5/57

All: 719.875+/-0.065 χ^2/NDF: 20307701.9/10



Right In: 222.478+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -682.821+/-303.062 χ^2/NDF: 27.5/32

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

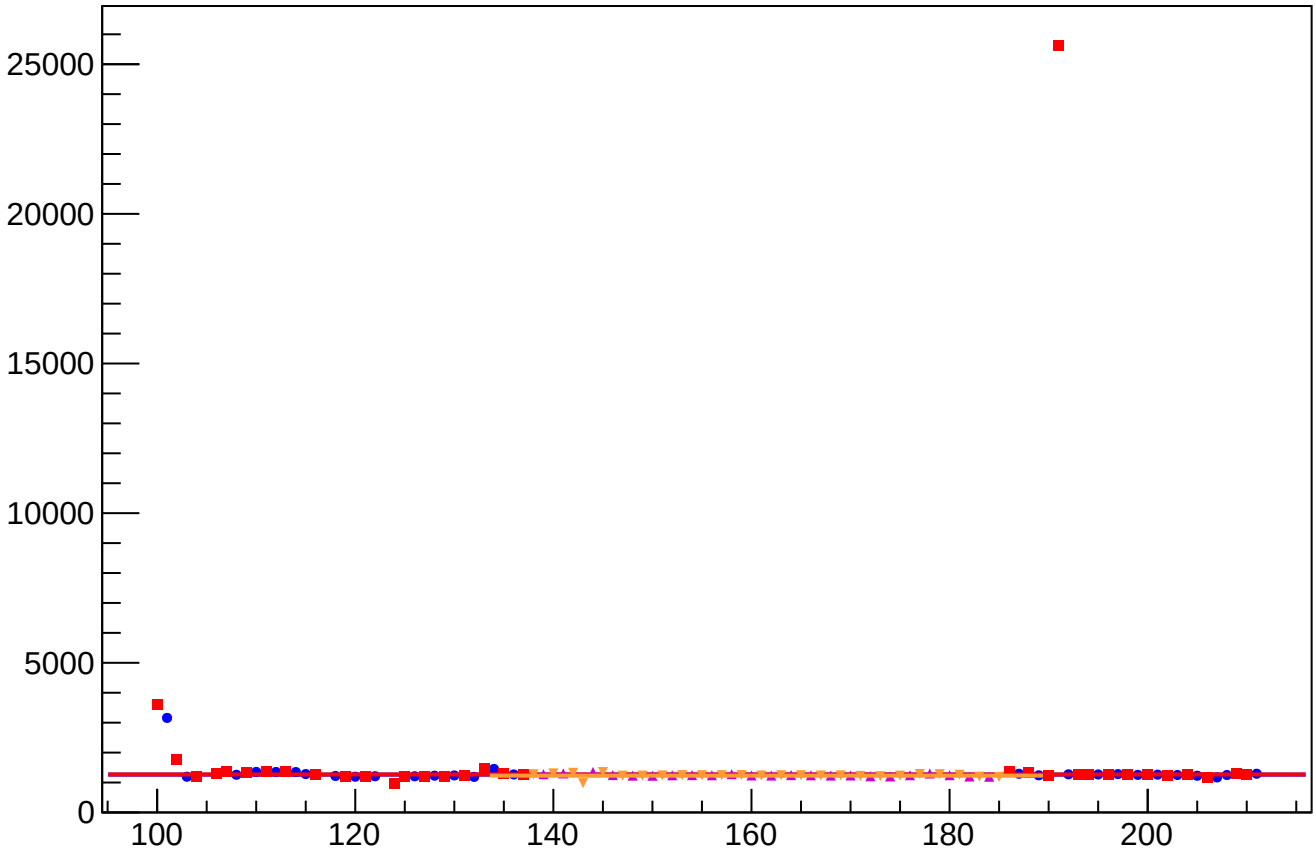
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -244.188+/-217.589 χ^2/NDF: 56.0/60

In: 63.406+/-213.173 χ^2/NDF:38.6/50

Out: -449.718+/-205.630 χ^2/NDF:52.6/57

All: -202.396+/-147.997 χ^2/NDF: 94.2/108



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.4/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.0/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

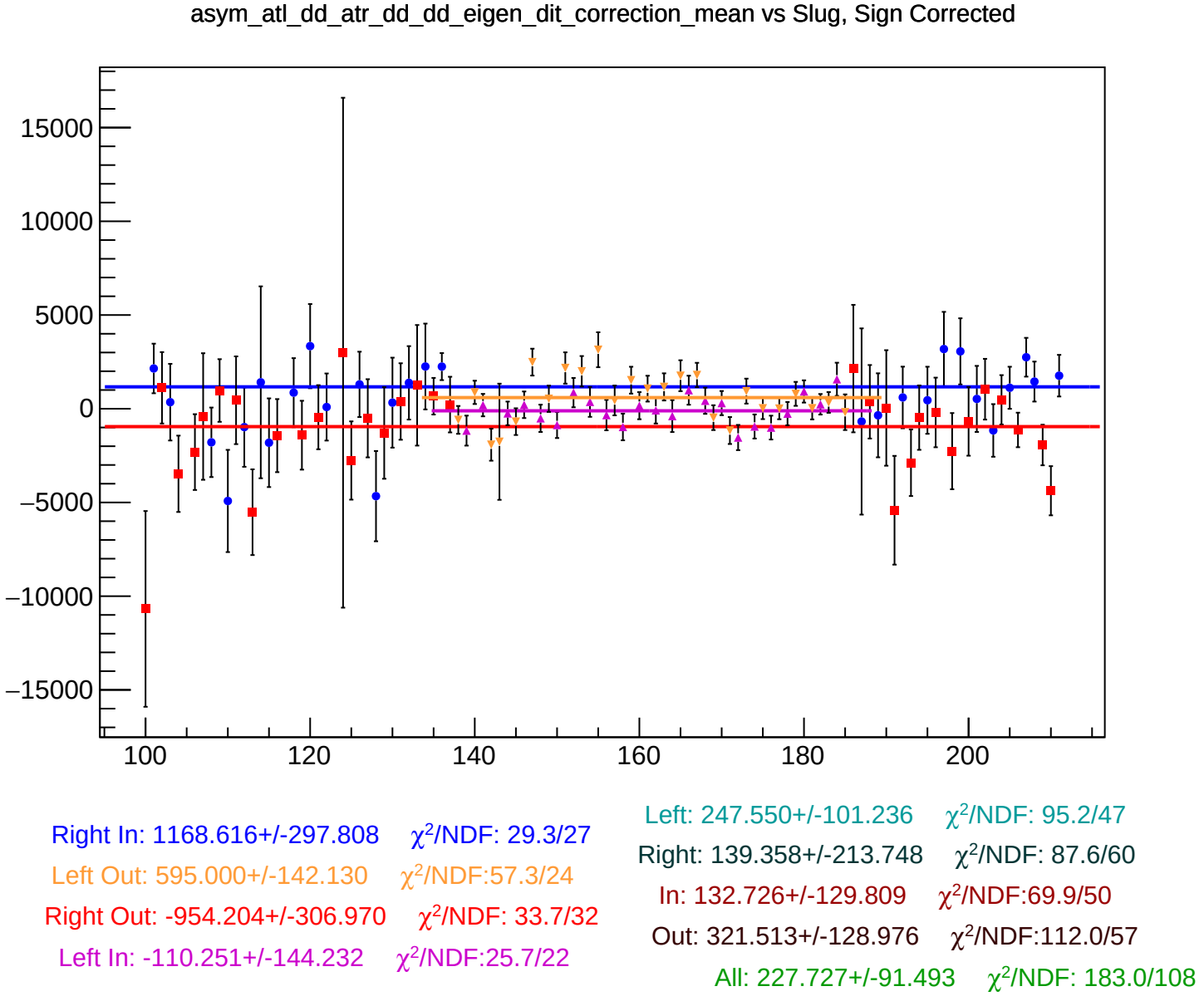
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.929+/-0.154 χ^2/NDF: 910273.5/60

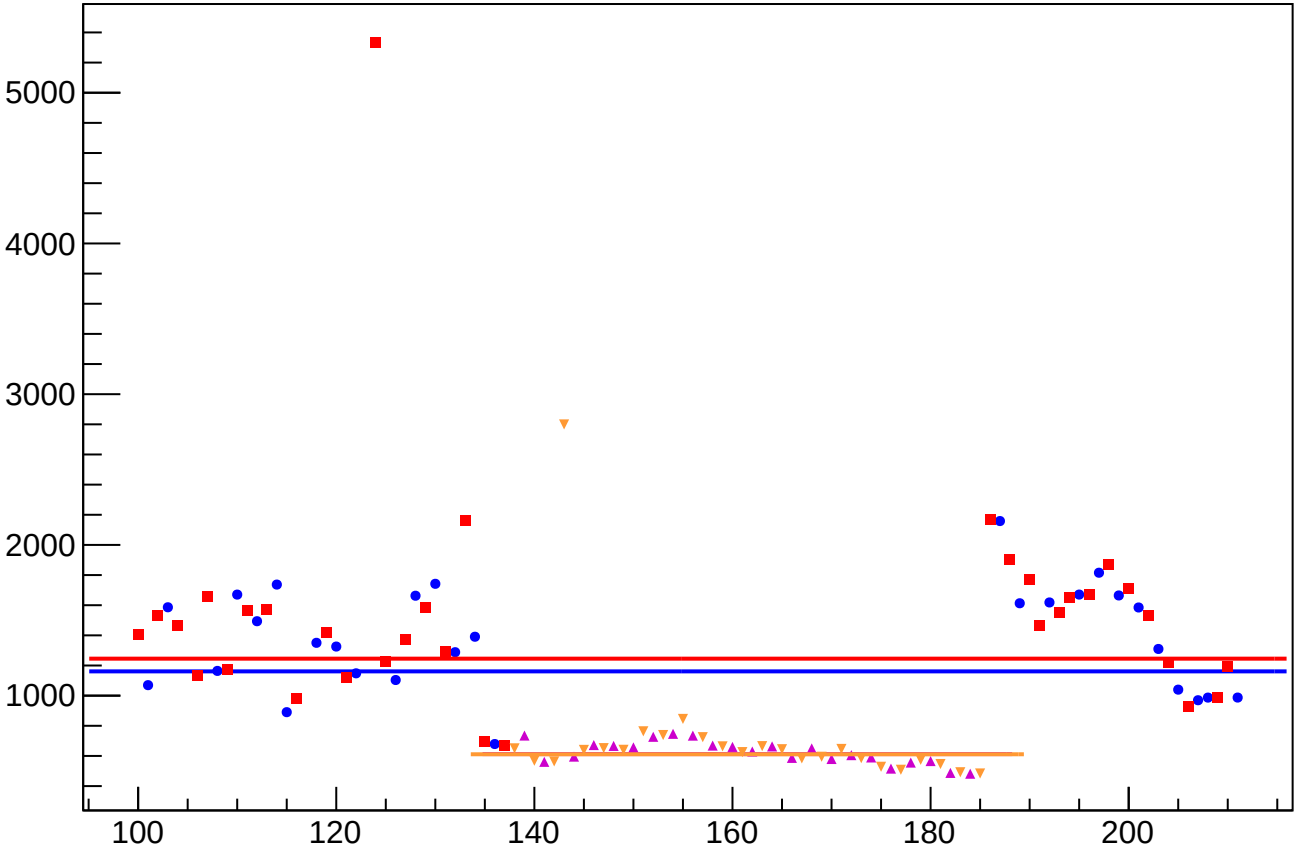
In: 1255.343+/-0.151 χ^2/NDF:555086.0/50

Out: 1248.245+/-0.145 χ^2/NDF:545178.2/57

All: 1251.666+/-0.105 χ^2/NDF: 1101412.8/10


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1168.616+/-297.808 χ²/NDF: 29.3/27
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -954.204+/-306.970 χ²/NDF: 33.7/32
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 139.358+/-213.748 χ²/NDF: 87.6/60
In: 132.726+/-129.809 χ²/NDF:69.9/50
Out: 321.513+/-128.976 χ²/NDF:112.0/57
All: 227.727+/-91.493 χ²/NDF: 183.0/108

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1161.057+/-0.211 χ^2/NDF: 2618475.3/27

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1245.425+/-0.217 χ^2/NDF: 3027508.0/32

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

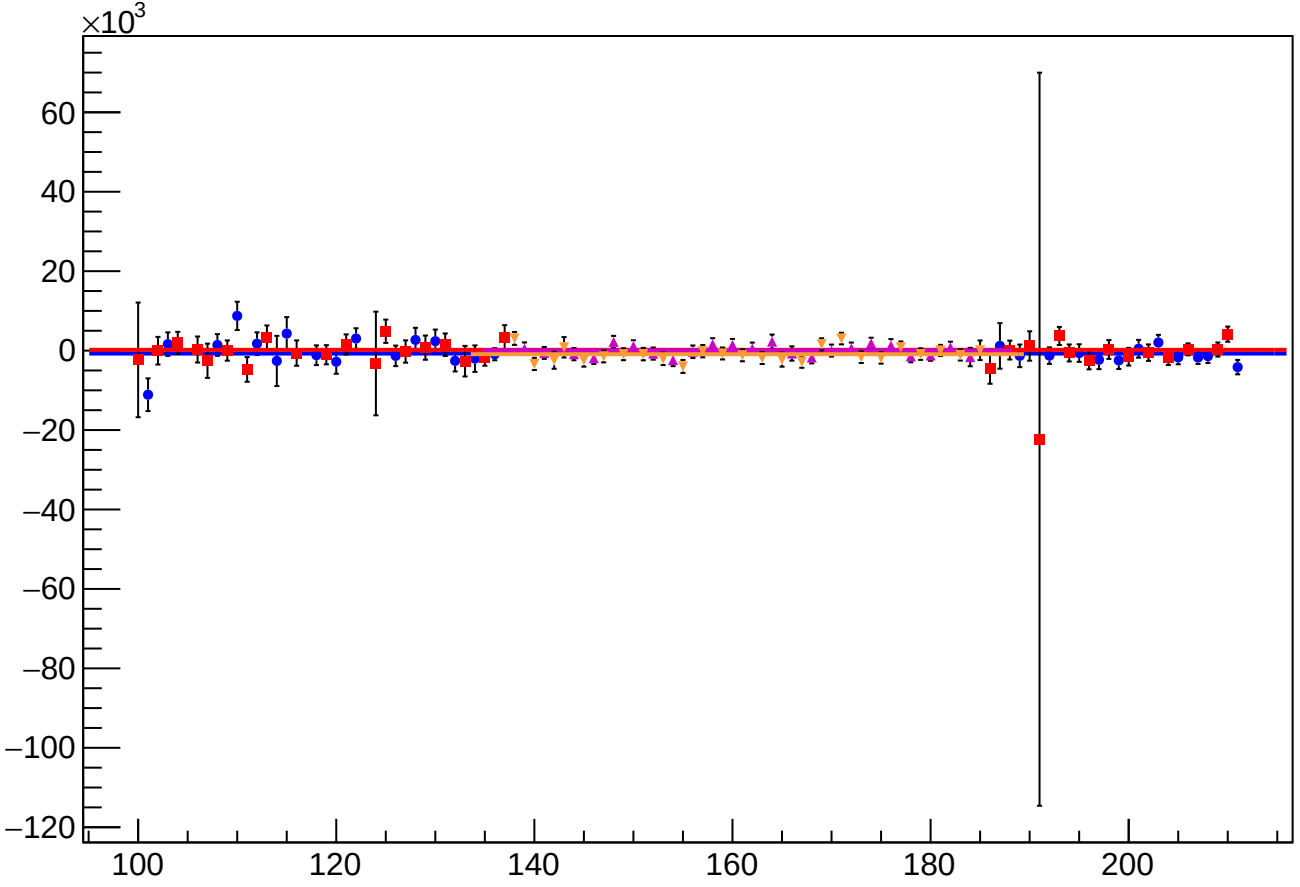
Right: 1201.963+/-0.151 χ^2/NDF: 5723807.7/60

In: 716.640+/-0.092 χ^2/NDF:8625646.8/50

Out: 723.068+/-0.091 χ^2/NDF:11679573.6/57

All: 719.875+/-0.065 χ^2/NDF: 20307688.5/10

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -741.565+/-454.286 χ^2/NDF: 30.7/27

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 198.111+/-452.190 χ^2/NDF: 21.8/32

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

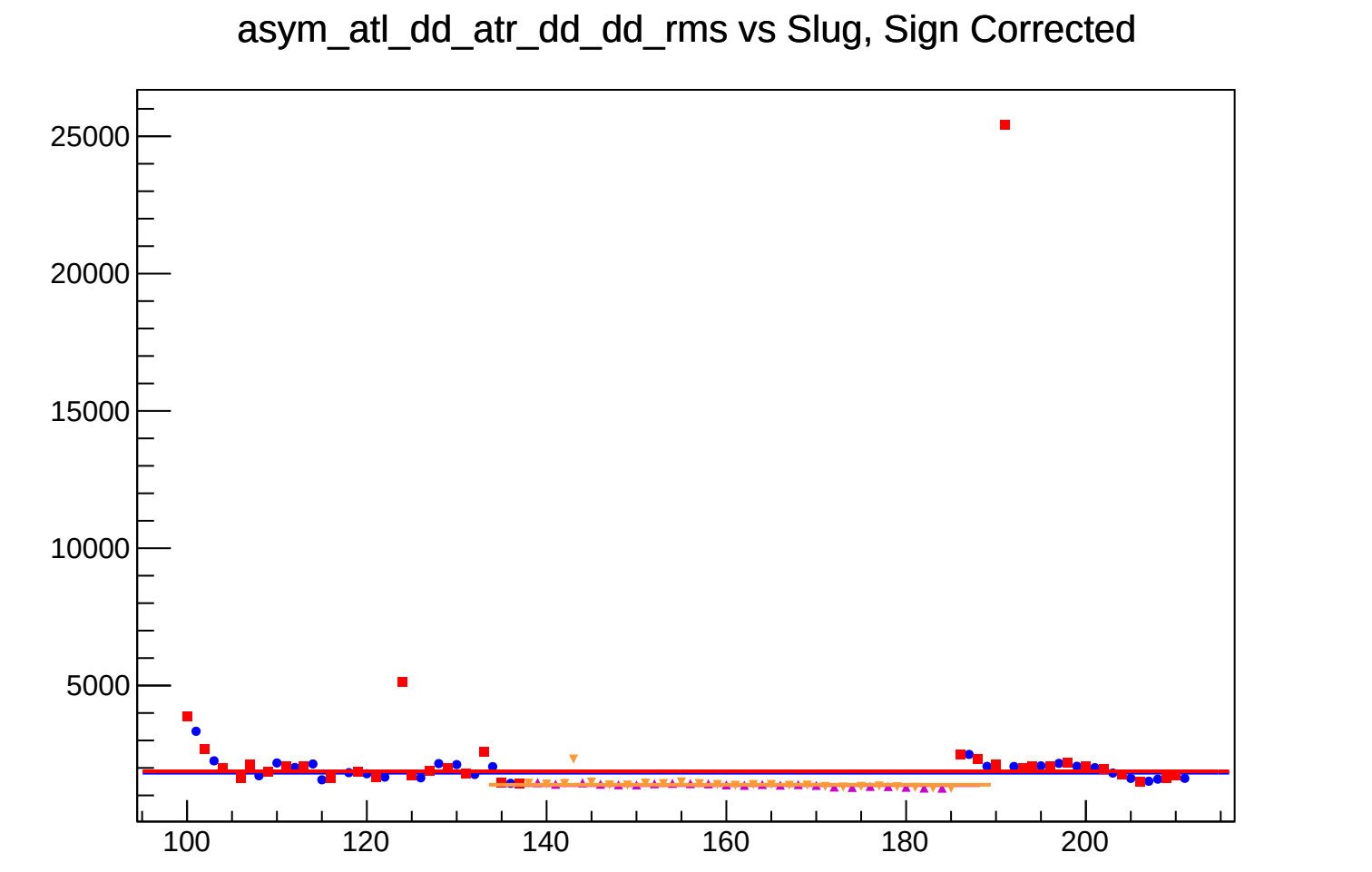
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -269.555+/-320.485 χ^2/NDF: 54.7/60

In: -214.743+/-262.119 χ^2/NDF:50.6/50

Out: -538.934+/-259.268 χ^2/NDF:55.6/57

All: -378.611+/-184.330 χ^2/NDF: 107.0/108



Right In: 1824.636+/-0.321 χ^2/NDF: 889974.7/27

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1878.055+/-0.320 χ^2/NDF: 1049827.5/32

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

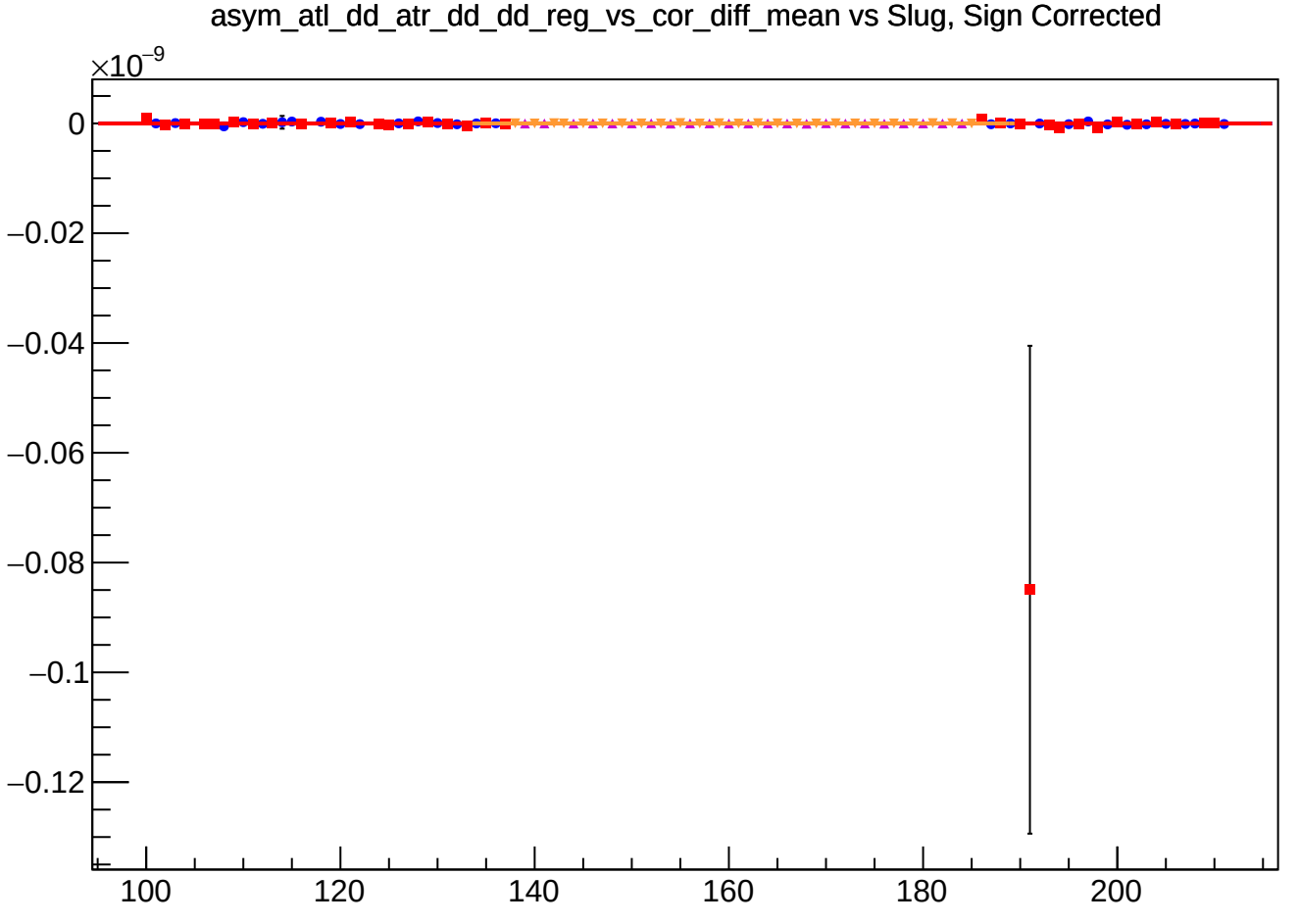
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1851.469+/-0.227 χ^2/NDF: 1953693.5/60

In: 1523.503+/-0.185 χ^2/NDF:2271824.5/50

Out: 1548.327+/-0.183 χ^2/NDF:2973843.1/57

All: 1536.051+/-0.130 χ^2/NDF: 5254735.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.4/32

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

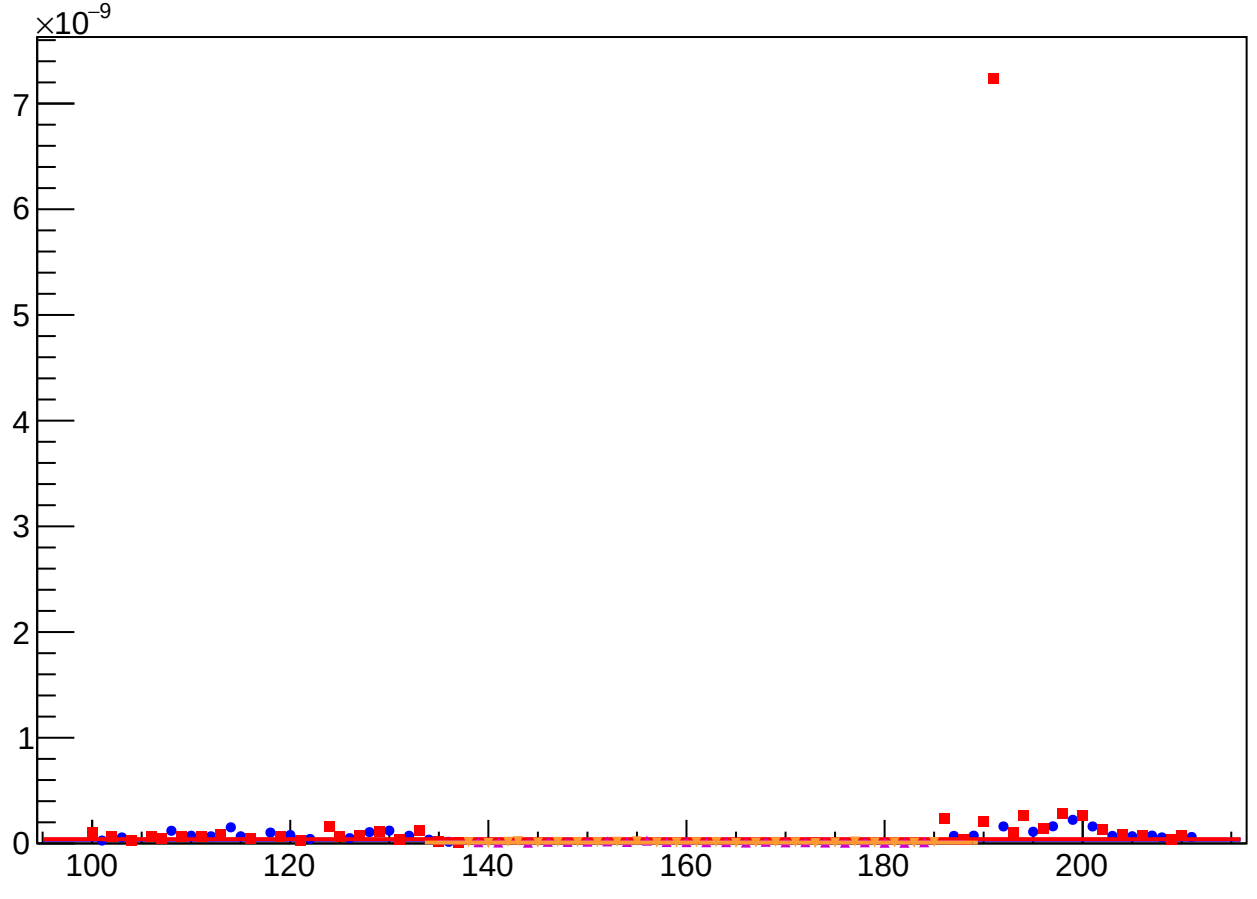
Right: -0.000+/-0.000 χ^2/NDF: 73.4/60

In: 0.000+/-0.000 χ^2/NDF:38.1/50

Out: 0.000+/-0.000 χ^2/NDF:73.9/57

All: 0.000+/-0.000 χ^2/NDF: 112.0/108

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6180920.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6612571.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

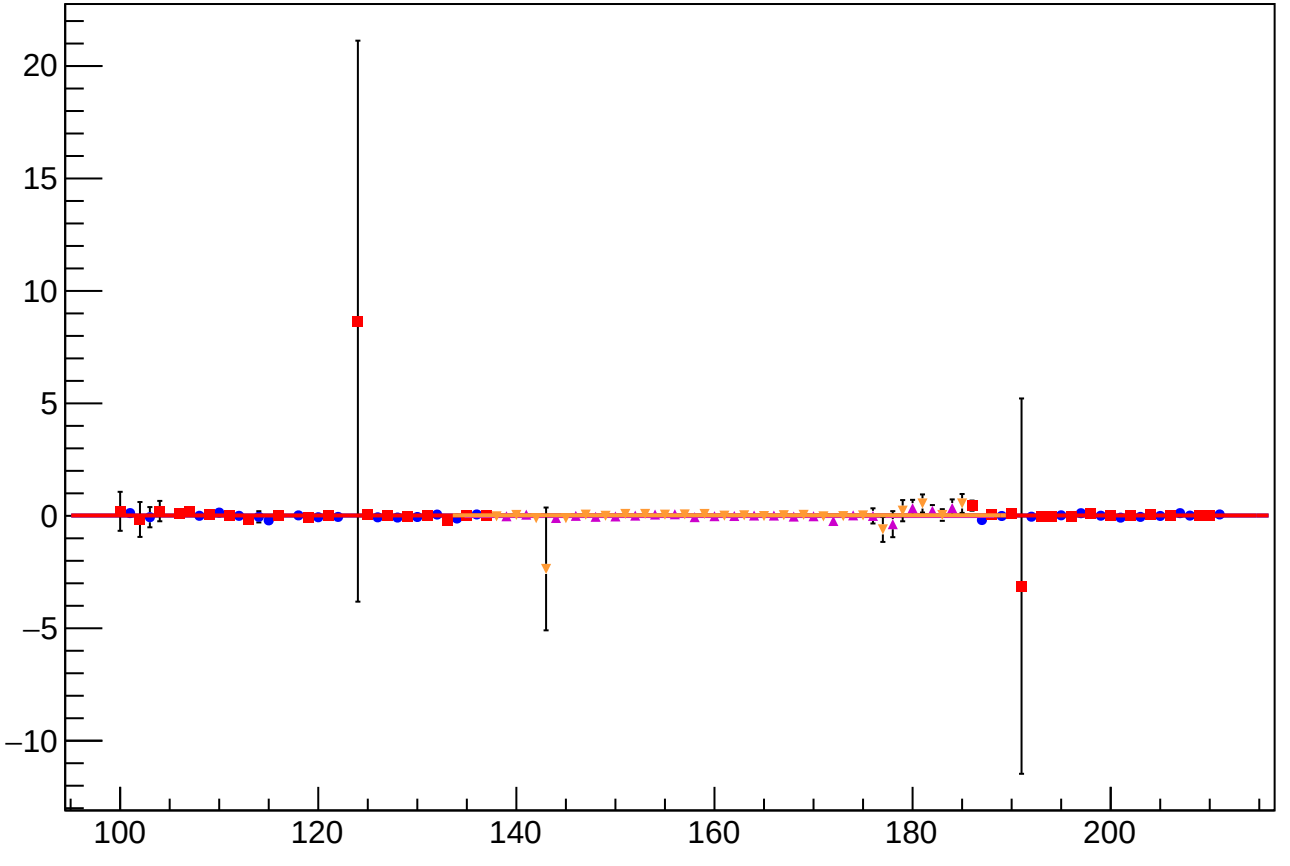
Right: 0.000+/-0.000 χ^2/NDF: 12868555.4/60

In: 0.000+/-0.000 χ^2/NDF:11292283.9/50

Out: 0.000+/-0.000 χ^2/NDF:13966822.1/57

All: 0.000+/-0.000 χ^2/NDF: 25569771.8/108

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

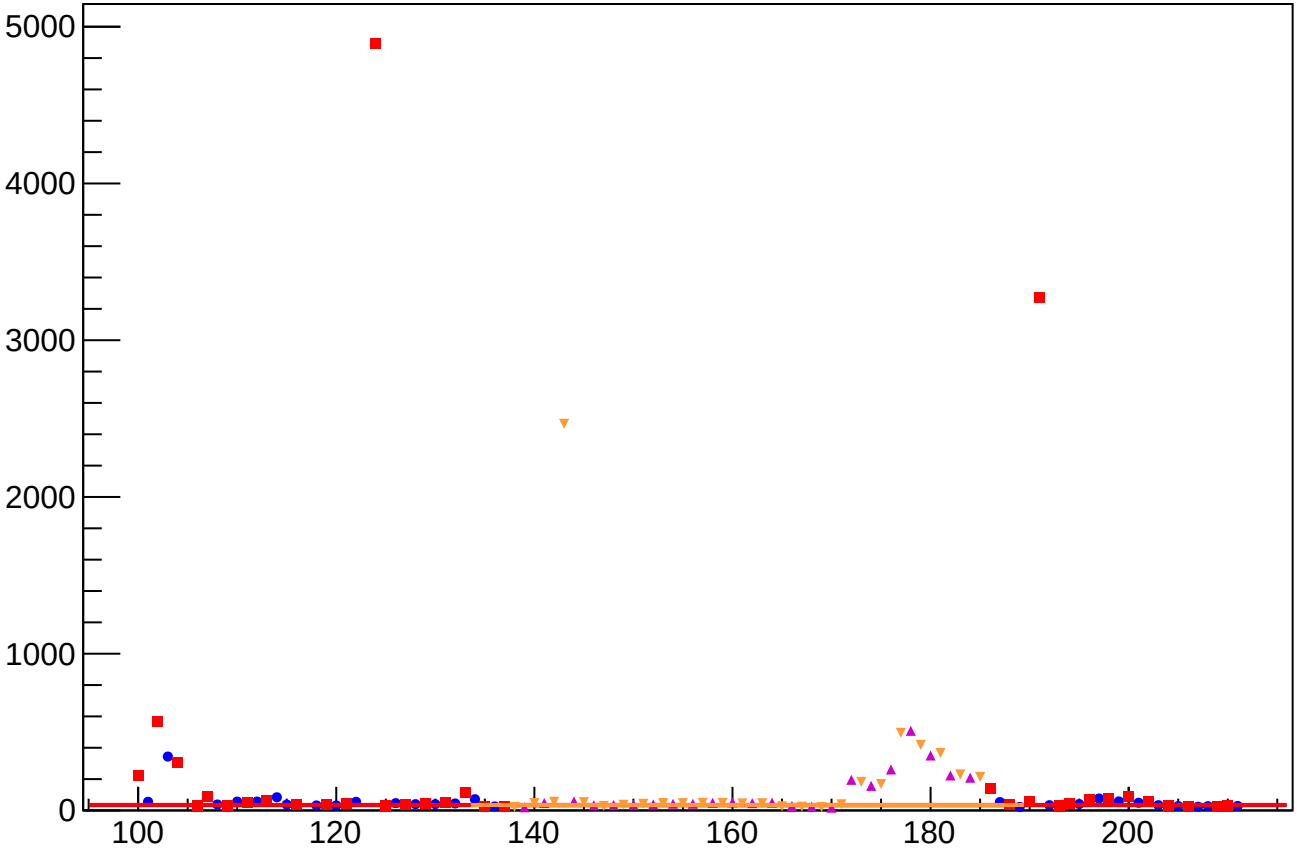
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

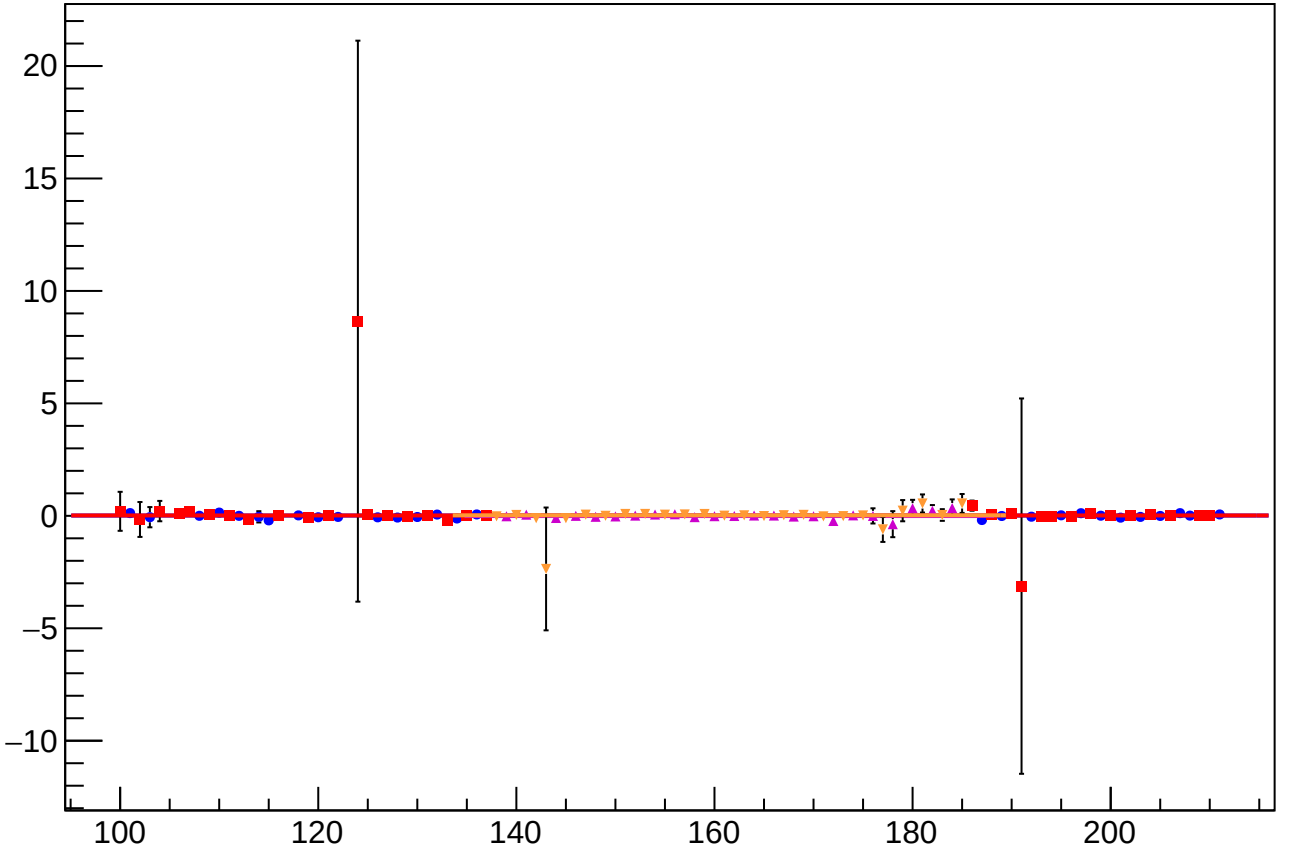
Right: 34.621+/-0.005 χ^2/NDF: 10025861.3/60

In: 33.712+/-0.005 χ^2/NDF:13678321.4/50

Out: 35.066+/-0.005 χ^2/NDF:17796591.2/57

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

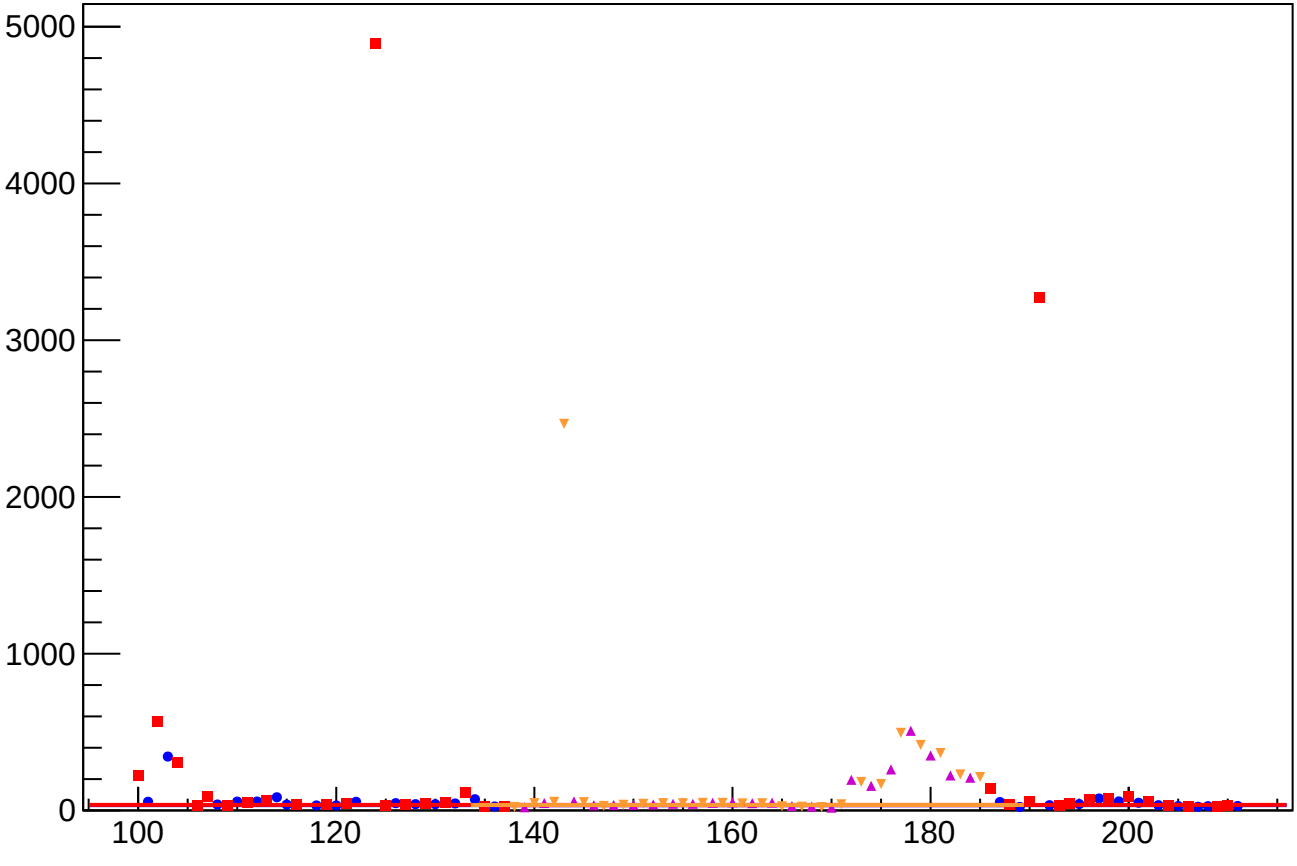
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

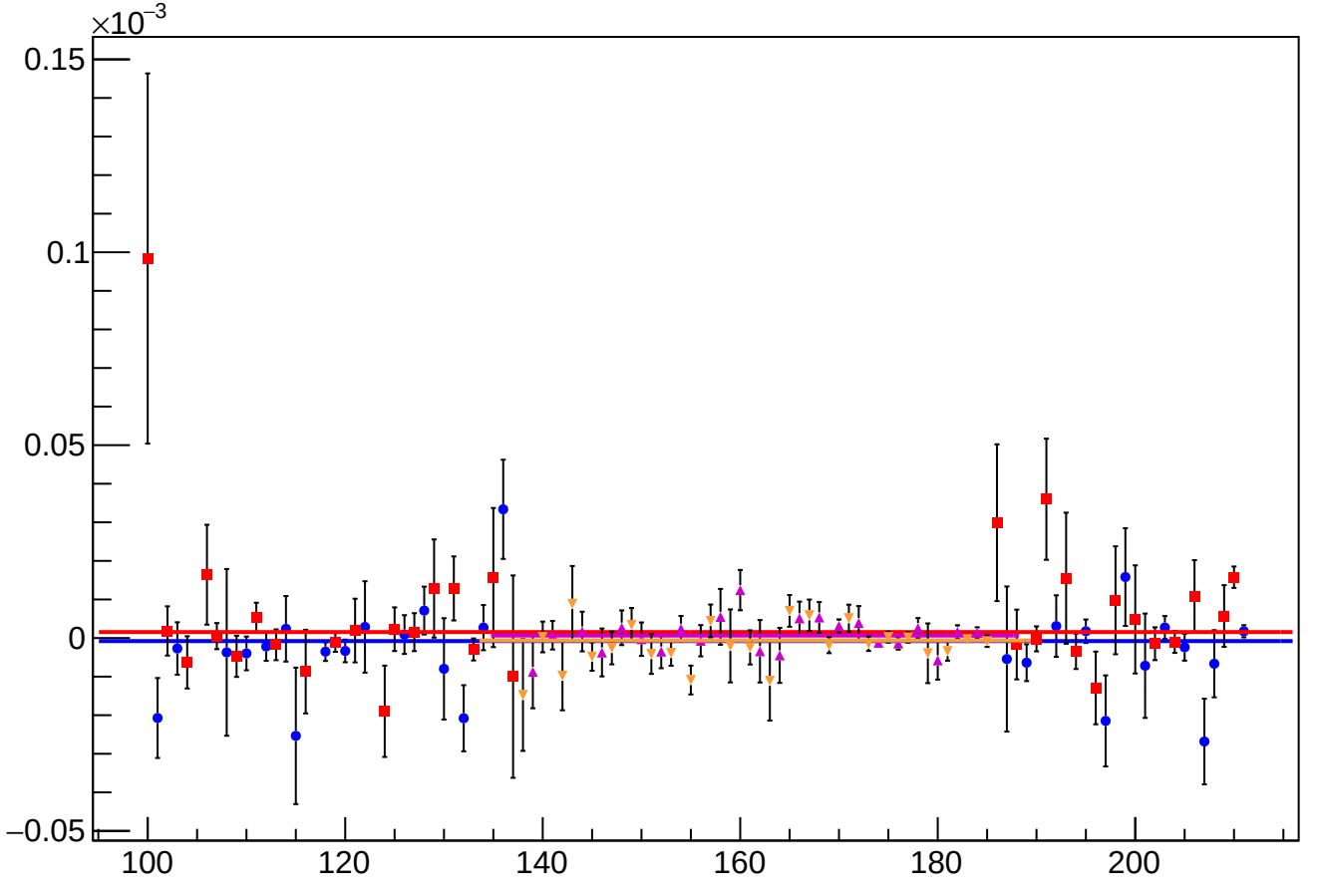
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 34.621+/-0.005 χ^2/NDF: 10025861.3/60

In: 33.712+/-0.005 χ^2/NDF:13678321.4/50

Out: 35.066+/-0.005 χ^2/NDF:17796591.2/57

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 61.6/32

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

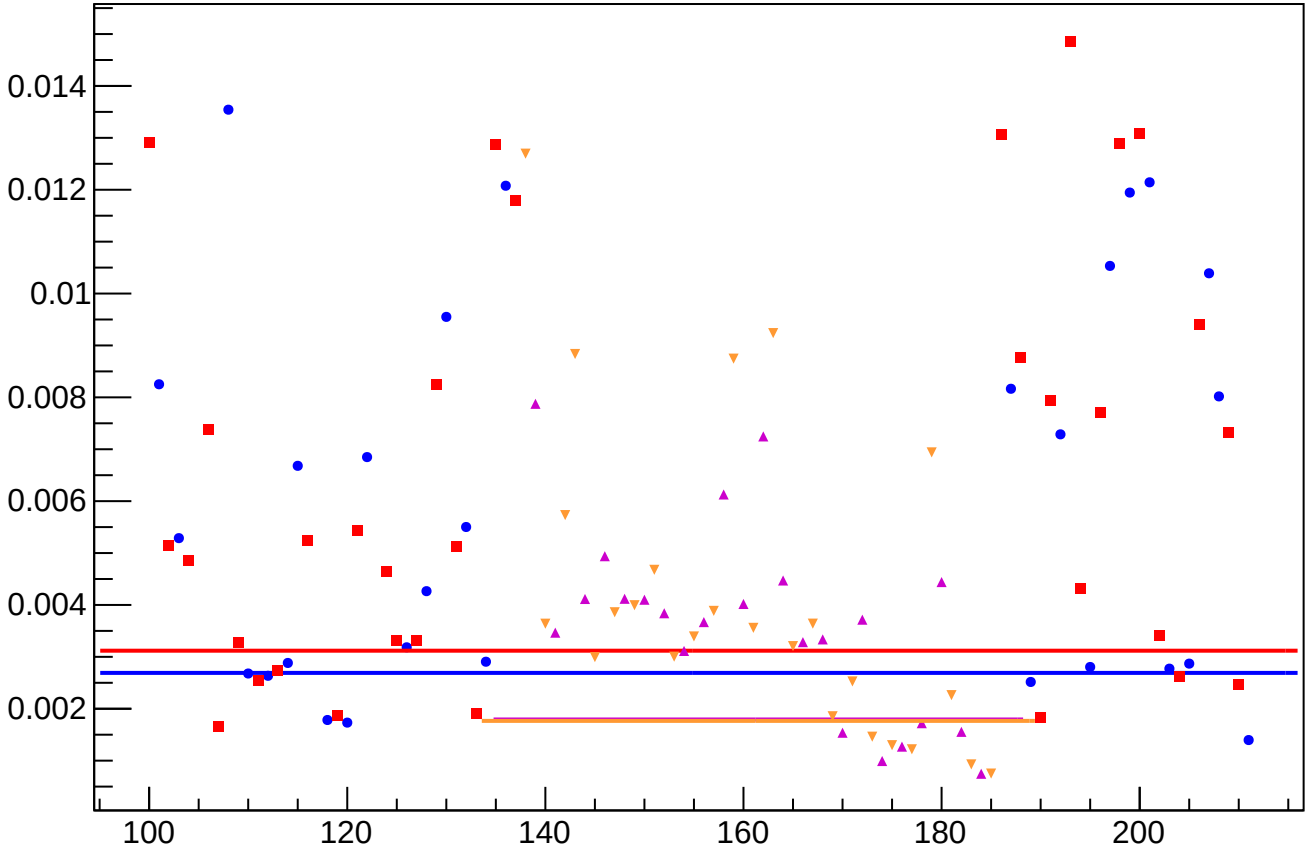
Right: 0.000+/-0.000 χ^2/NDF: 106.4/60

In: 0.000+/-0.000 χ^2/NDF:65.1/50

Out: -0.000+/-0.000 χ^2/NDF:94.5/57

All: 0.000+/-0.000 χ^2/NDF: 159.8/108

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: 11033732.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10419511.6/32

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

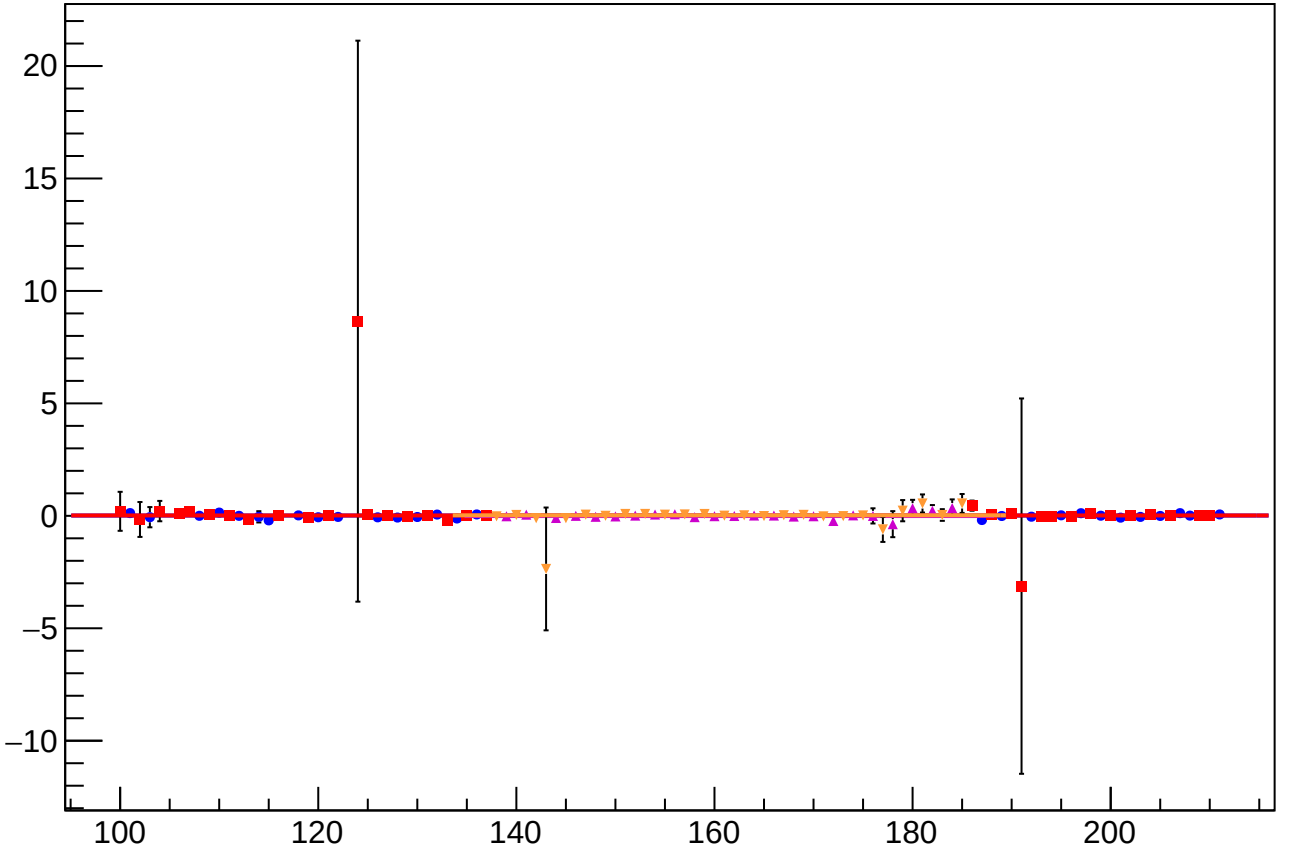
Right: 0.003+/-0.000 χ^2/NDF: 21694720.8/60

In: 0.002+/-0.000 χ^2/NDF:23391388.4/50

Out: 0.002+/-0.000 χ^2/NDF:26784305.5/57

All: 0.002+/-0.000 χ^2/NDF: 50185242.6/108

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

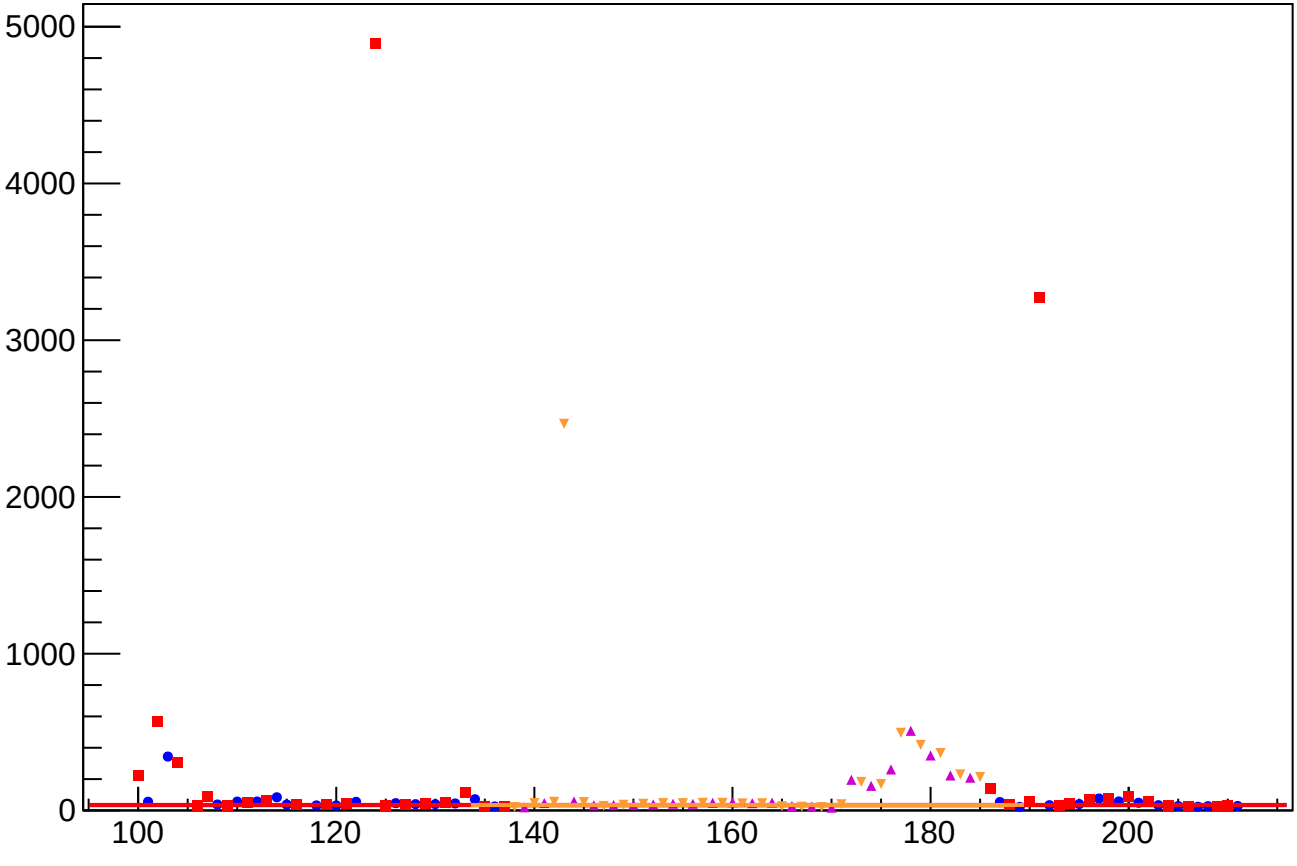
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

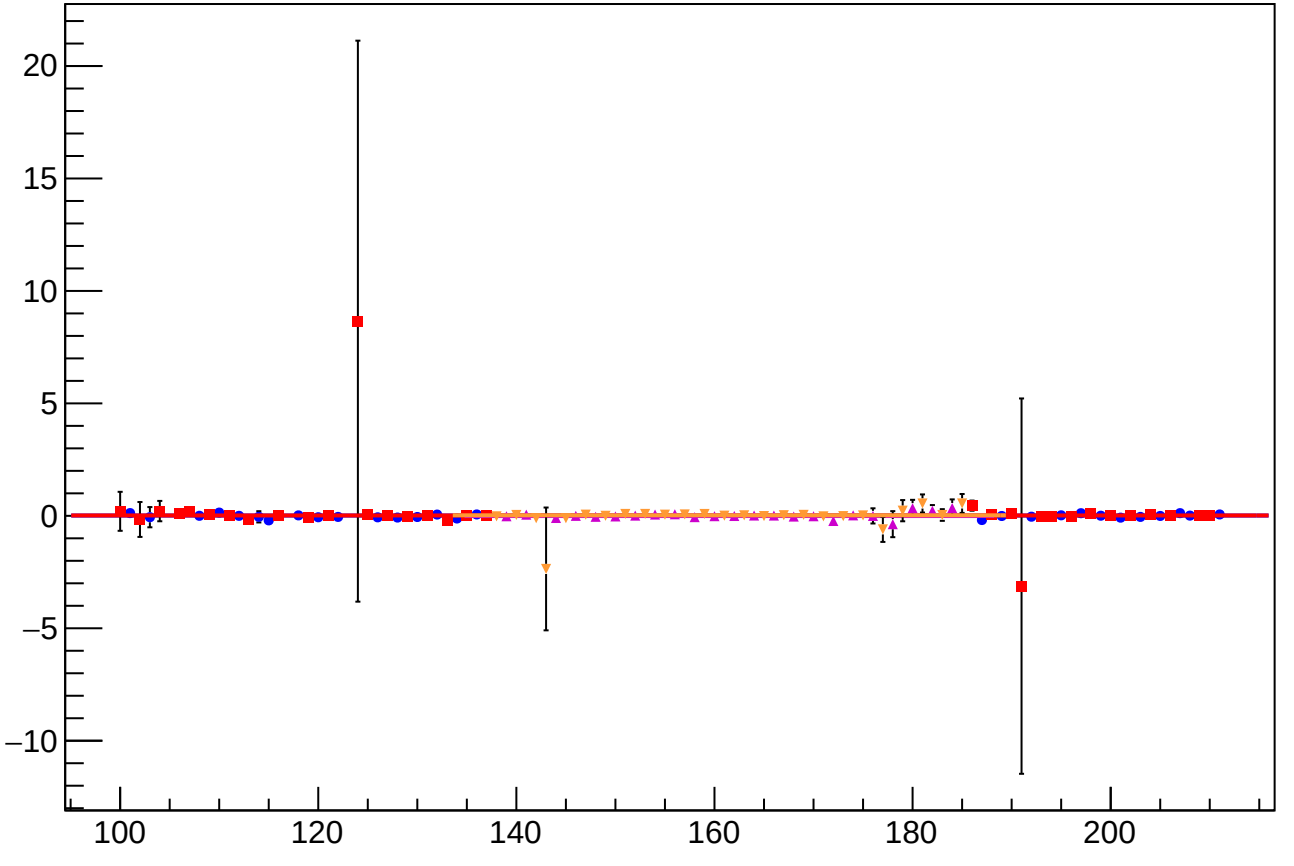
Right: 34.623+/-0.005 χ^2/NDF: 10024362.7/60

In: 33.714+/-0.005 χ^2/NDF:13675704.9/50

Out: 35.066+/-0.005 χ^2/NDF:17796680.6/57

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

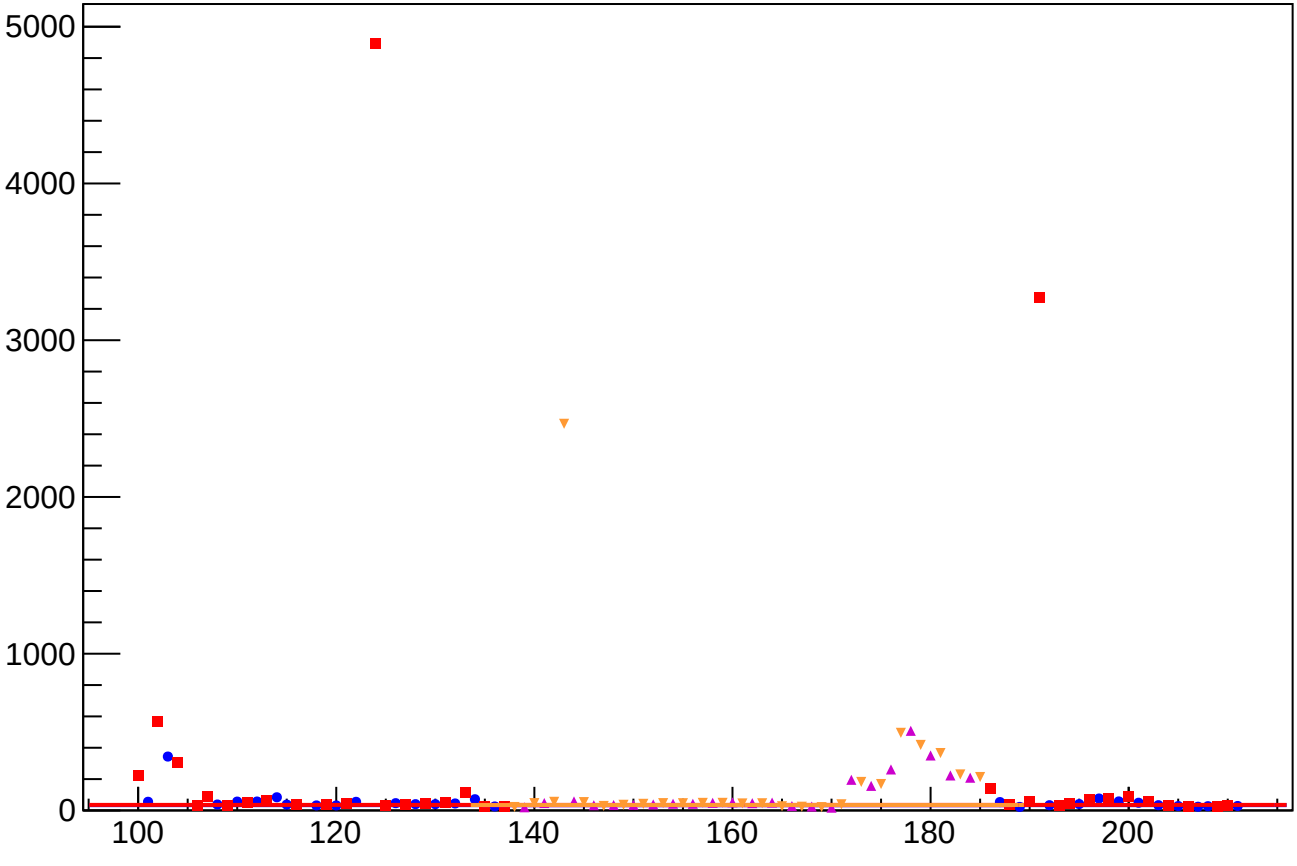
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

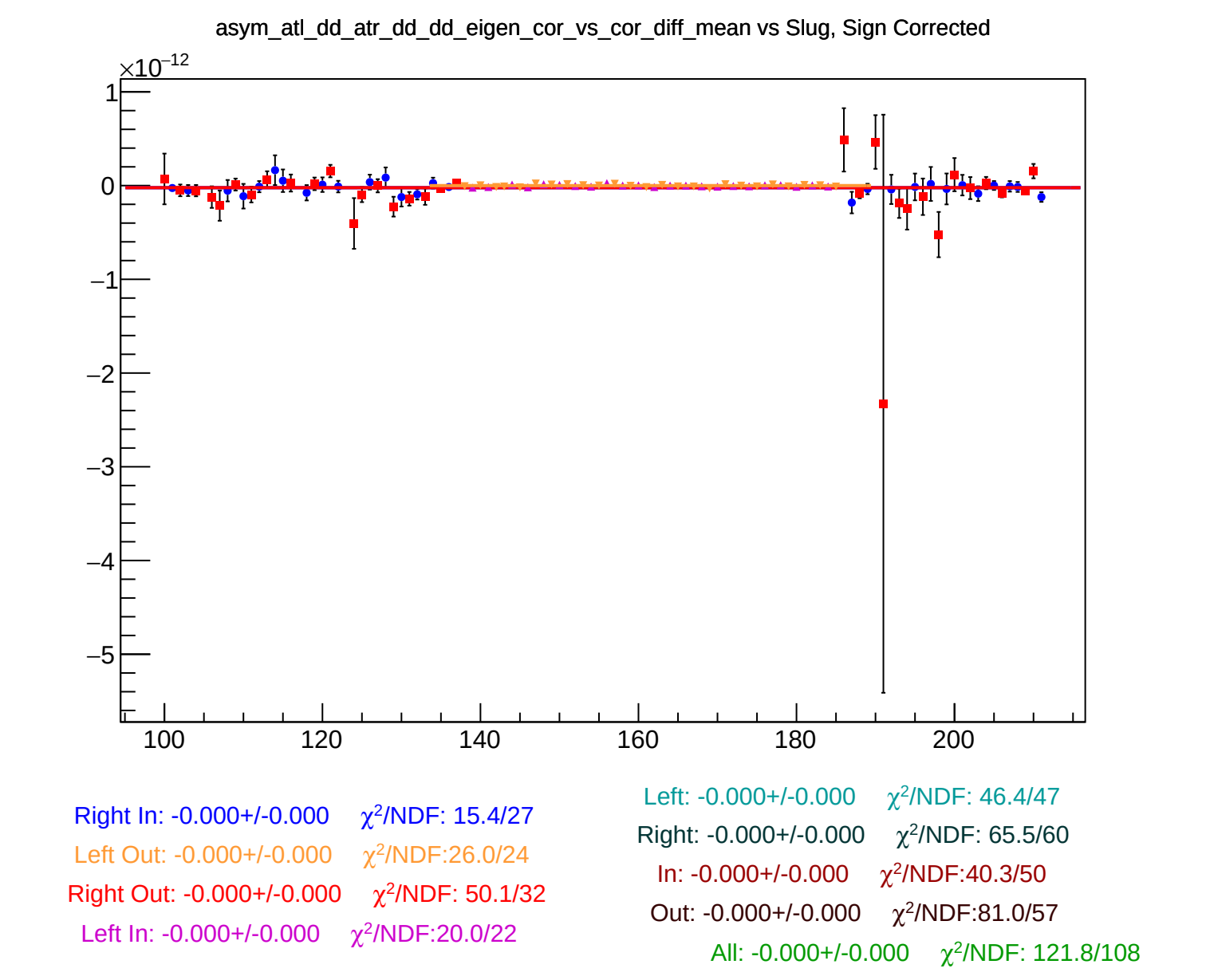
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 34.623+/-0.005 χ^2/NDF: 10024362.7/60

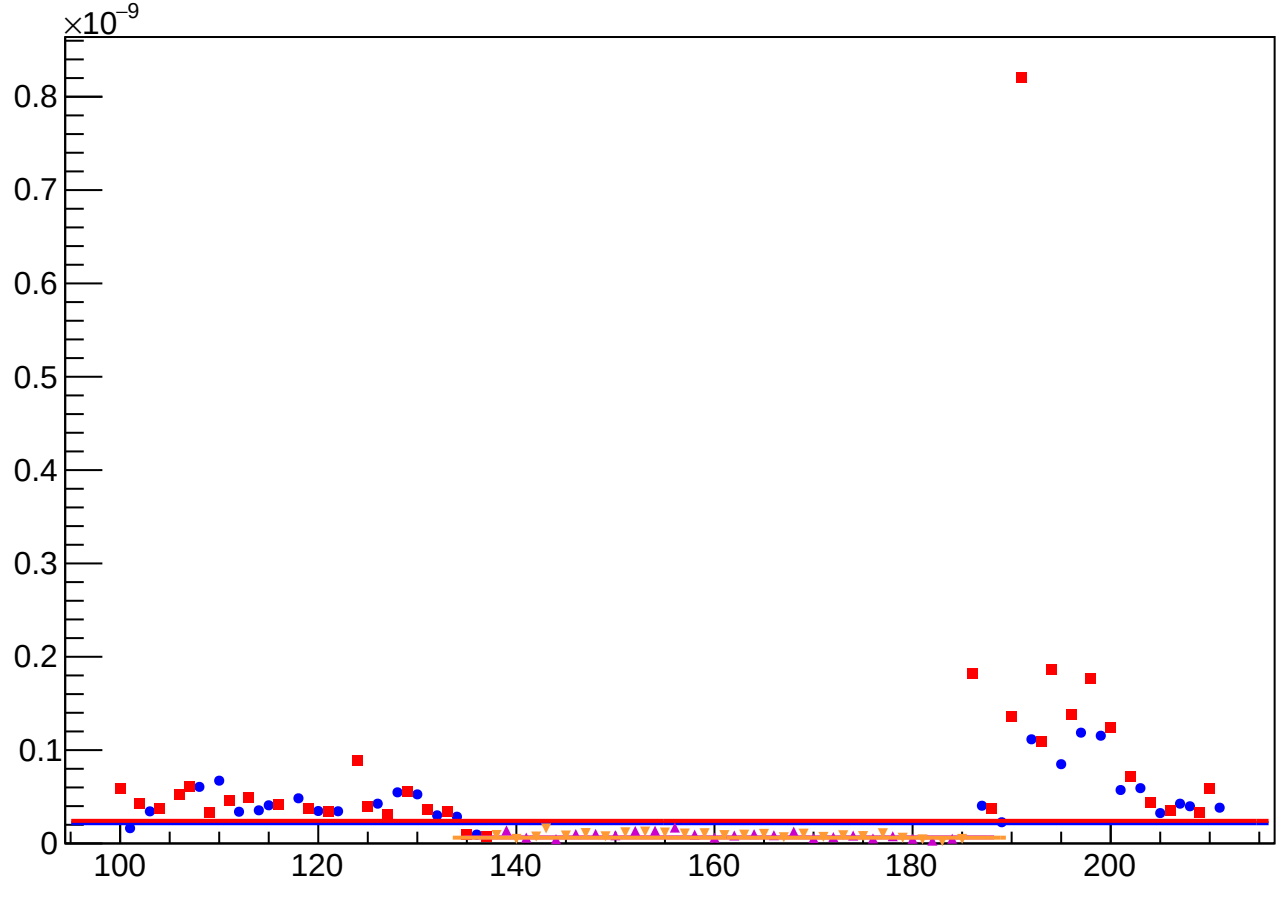
In: 33.714+/-0.005 χ^2/NDF:13675704.9/50

Out: 35.066+/-0.005 χ^2/NDF:17796680.6/57

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.4/27
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 50.1/32
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 65.5/60
In: -0.000+/-0.000 χ²/NDF:40.3/50
Out: -0.000+/-0.000 χ²/NDF:81.0/57
All: -0.000+/-0.000 χ²/NDF: 121.8/108

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: 7484915.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10116426.2/32

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

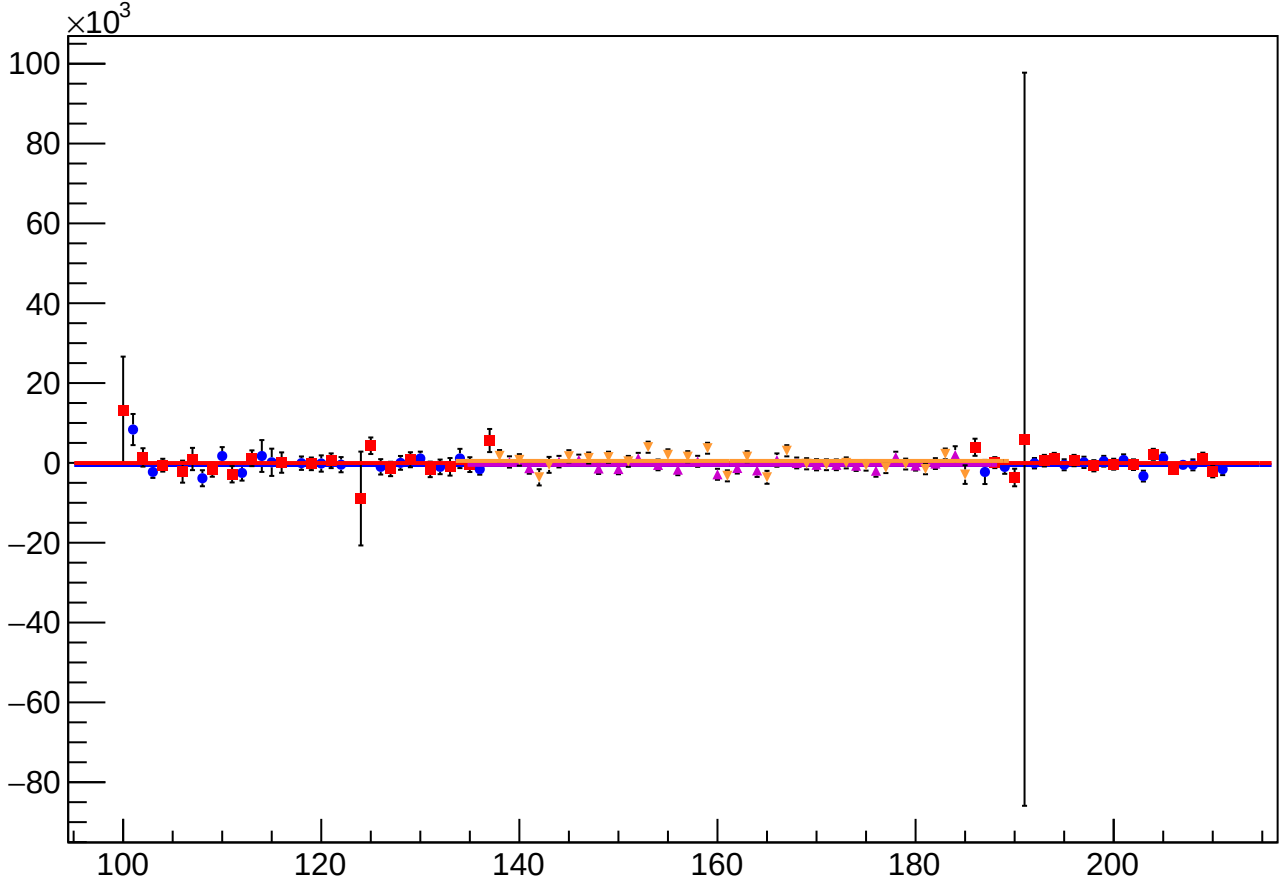
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 17675146.0/60

In: 0.000+/-0.000 χ^2/NDF:16939105.0/50

Out: 0.000+/-0.000 χ^2/NDF:21615693.9/57

All: 0.000+/-0.000 χ^2/NDF: 38587830.3/108



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -37.024+/-308.298 χ^2/NDF: 31.1/32

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

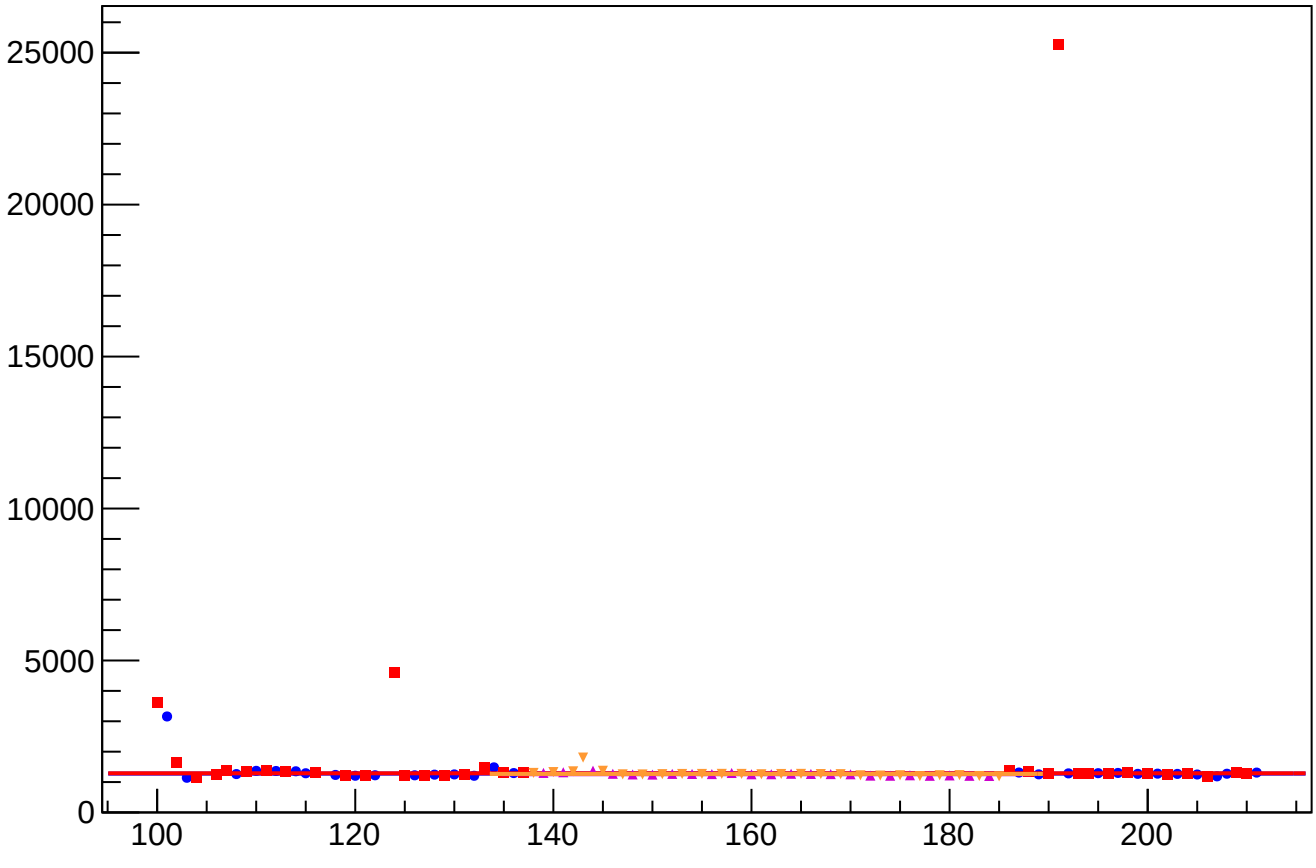
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -277.402+/-220.683 χ^2/NDF: 54.8/60

In: -506.831+/-215.166 χ^2/NDF:36.9/50

Out: 245.056+/-210.650 χ^2/NDF:79.6/57

All: -122.914+/-150.523 χ^2/NDF: 122.7/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

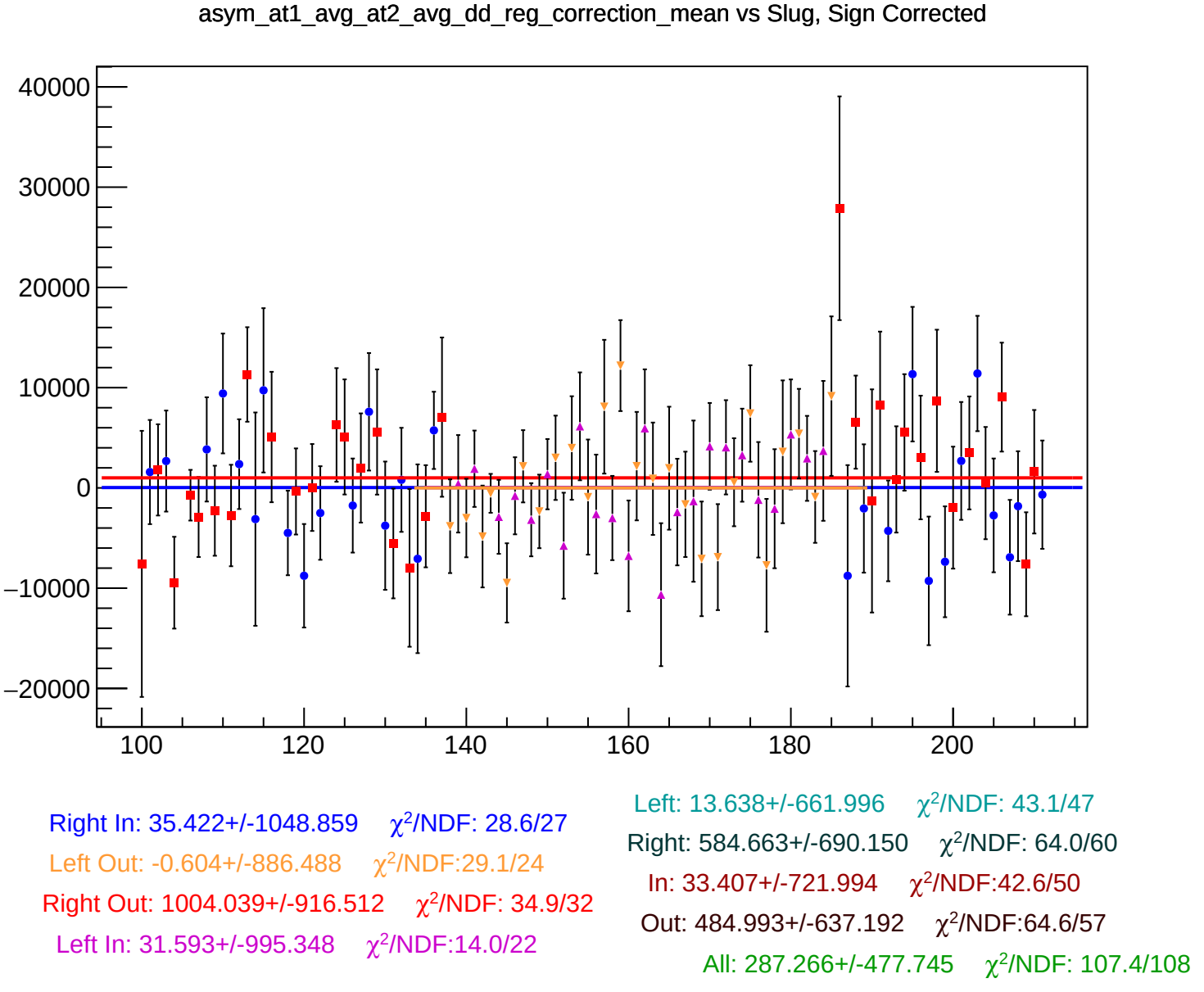
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.421+/-0.156 χ^2/NDF: 1013329.8/60

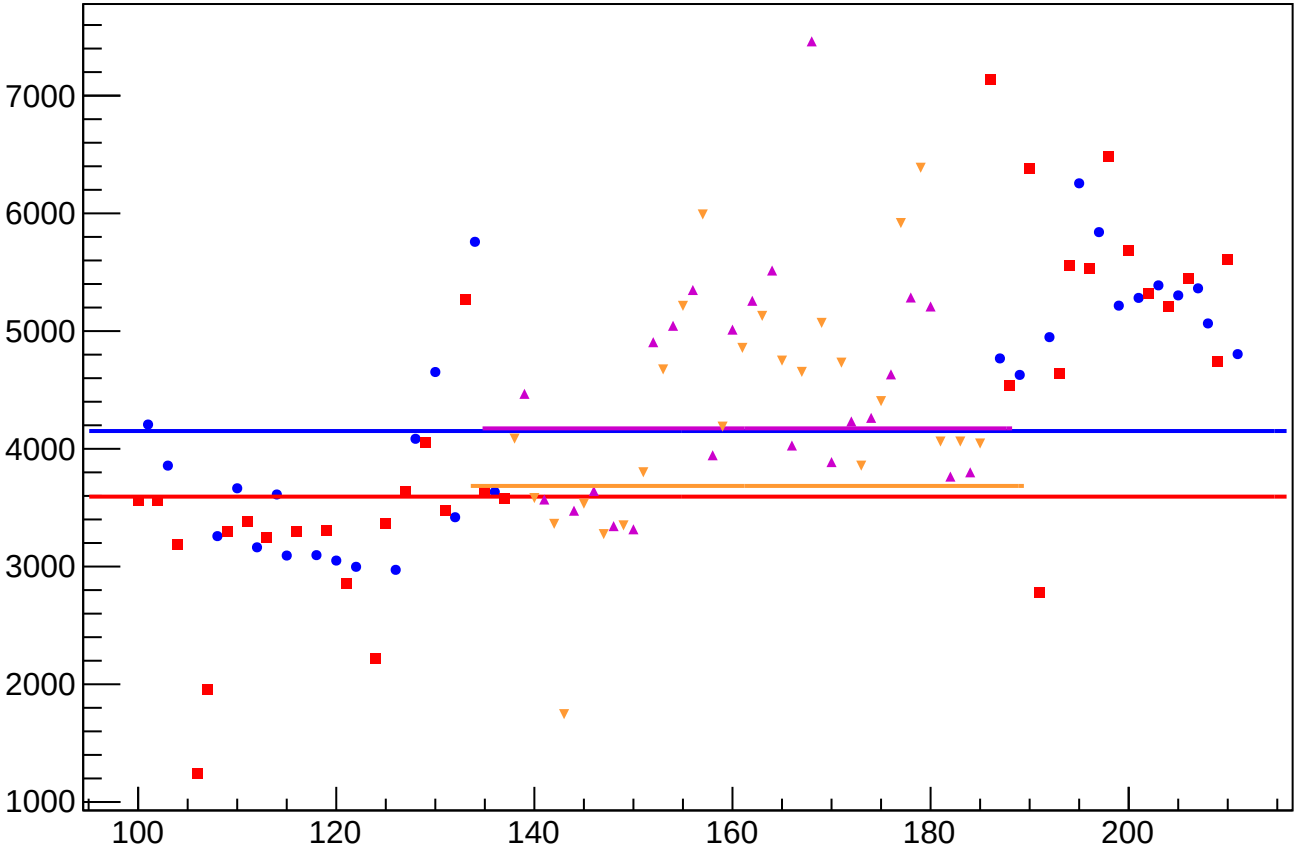
In: 1266.959+/-0.152 χ^2/NDF:570694.5/50

Out: 1277.132+/-0.149 χ^2/NDF:675520.9/57

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10


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: 35.422+/-1048.859 χ²/NDF: 28.6/27
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1004.039+/-916.512 χ²/NDF: 34.9/32
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 584.663+/-690.150 χ²/NDF: 64.0/60
In: 33.407+/-721.994 χ²/NDF:42.6/50
Out: 484.993+/-637.192 χ²/NDF:64.6/57
All: 287.266+/-477.745 χ²/NDF: 107.4/108

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

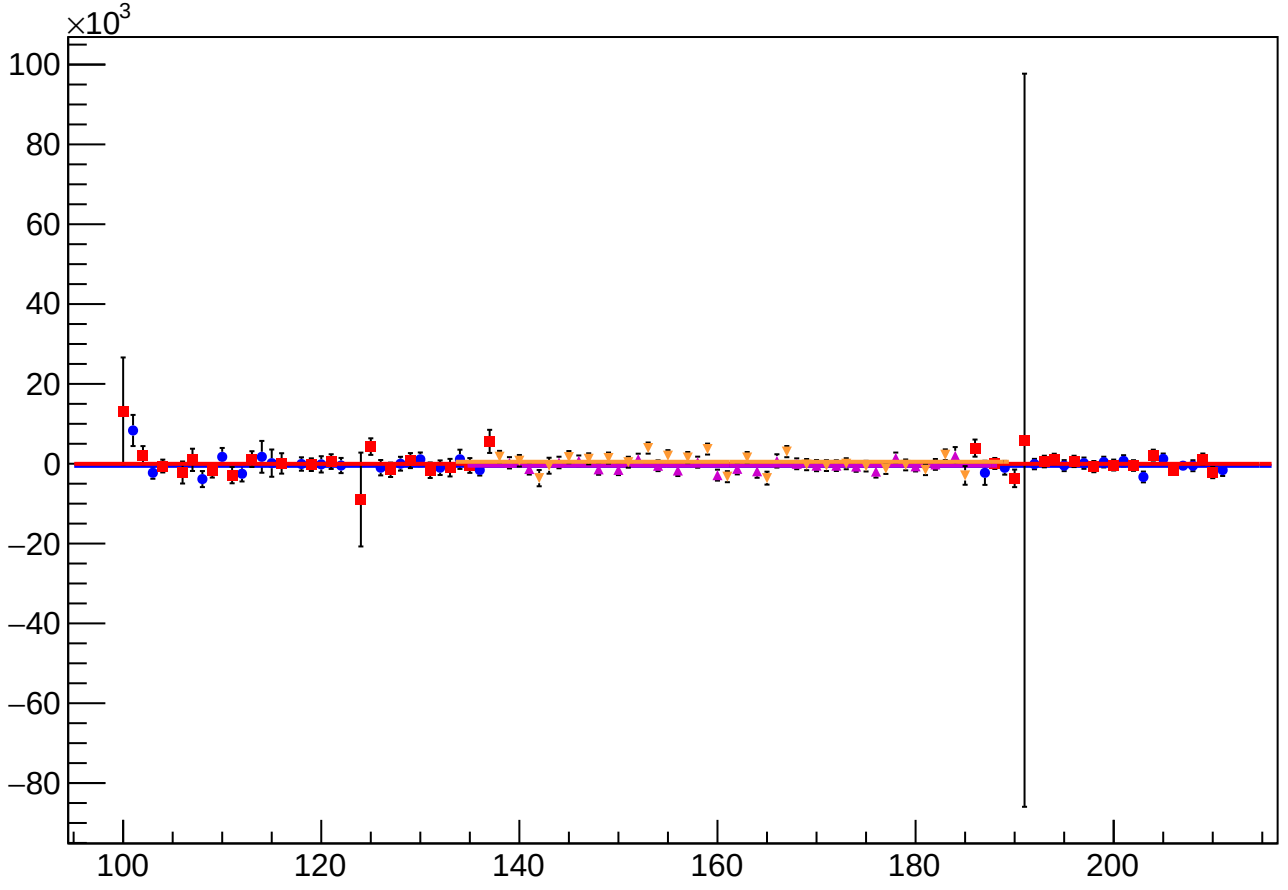
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3835.173+/-0.488 χ^2/NDF: 6853971.1/60

In: 4162.939+/-0.511 χ^2/NDF:3001970.1/50

Out: 3640.850+/-0.451 χ^2/NDF:8511145.8/57

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

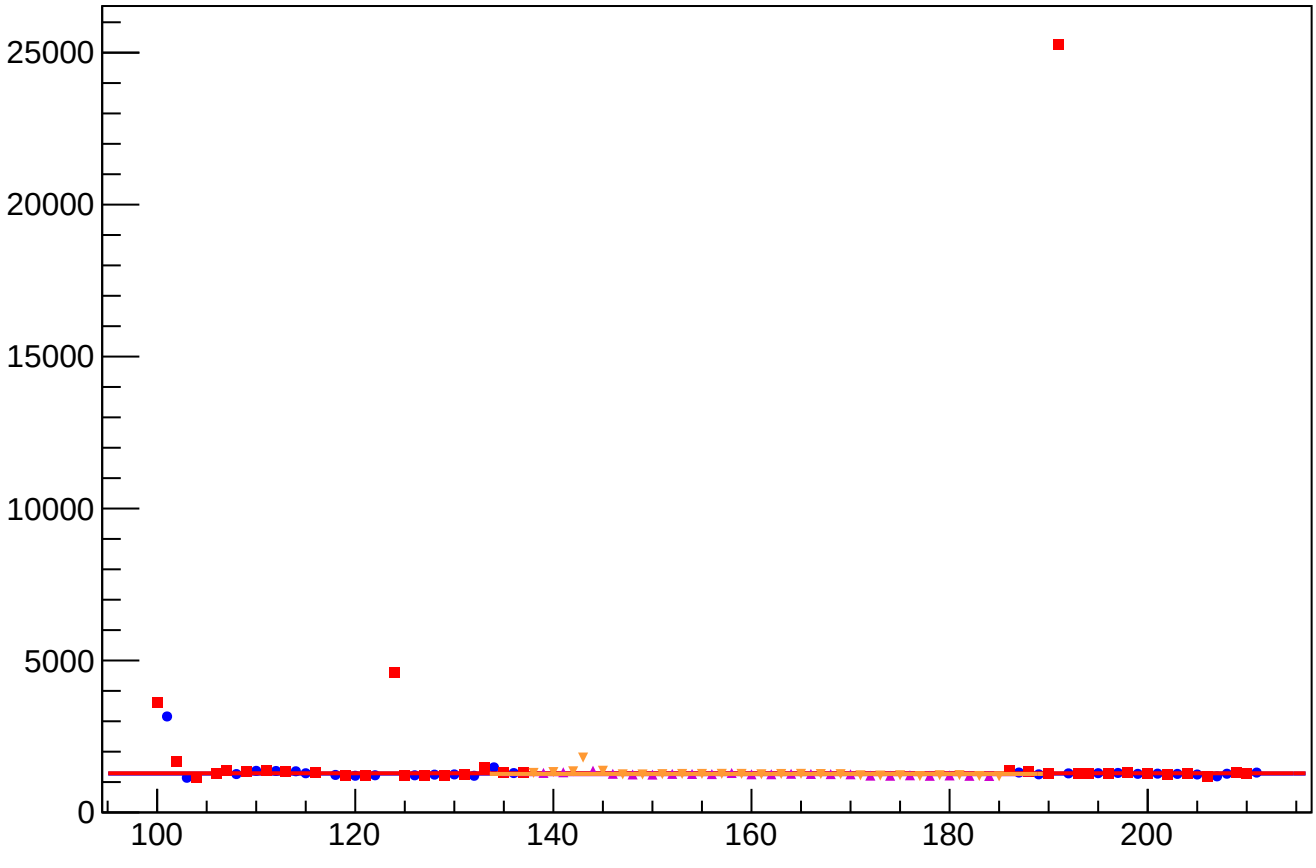
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

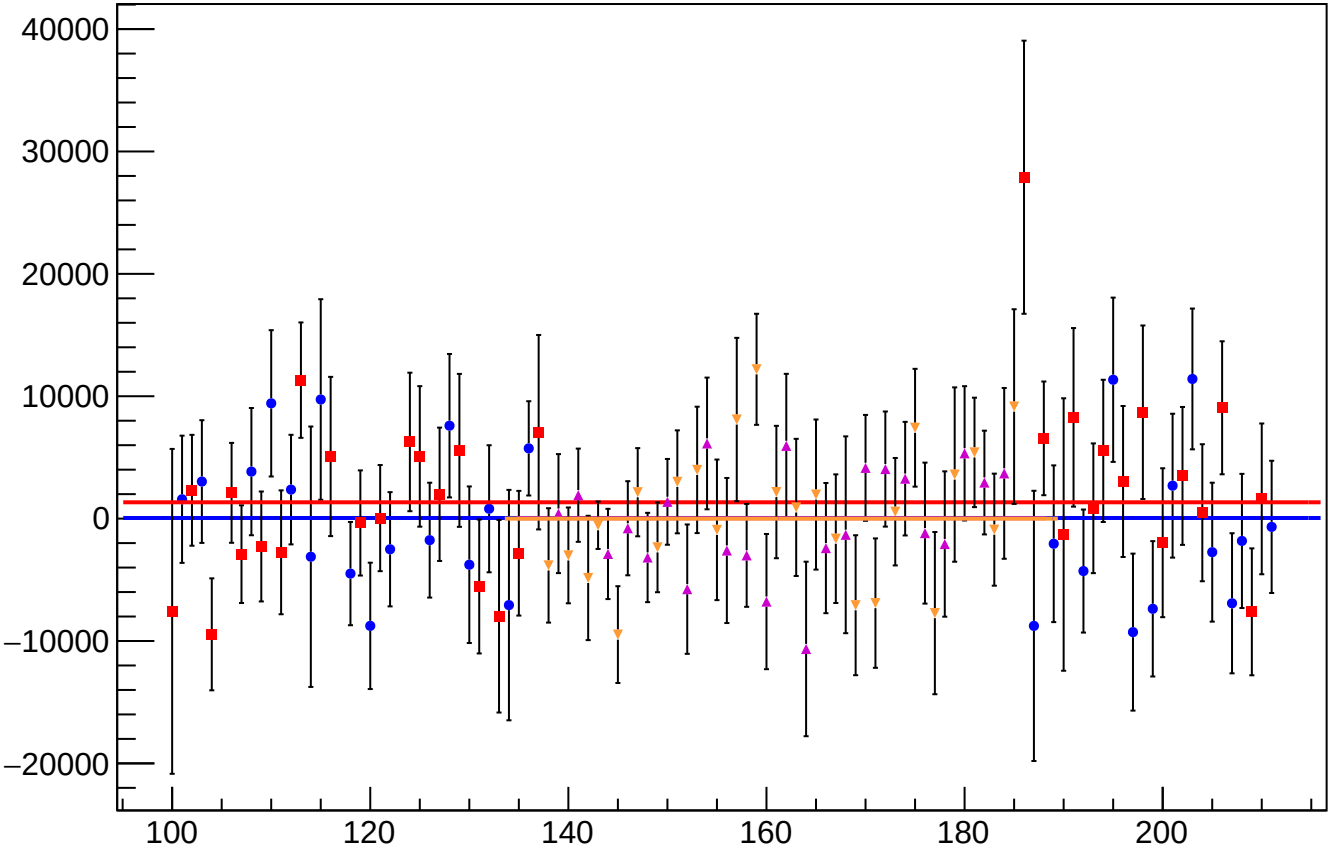
Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

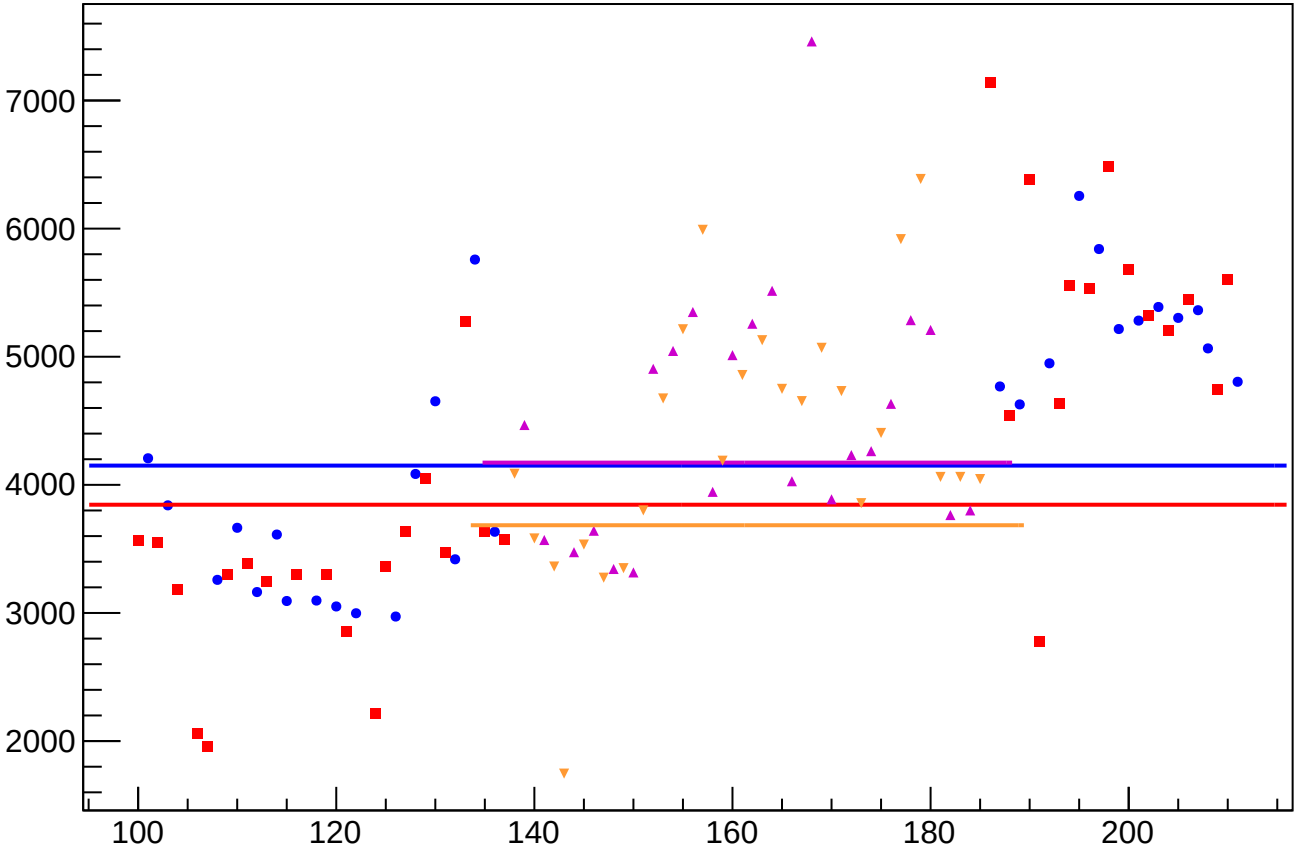
Right: 752.308+/-706.368 χ^2/NDF: 64.0/60

In: 41.209+/-721.920 χ^2/NDF:42.7/50

Out: 616.698+/-649.943 χ^2/NDF:64.6/57

All: 359.065+/-483.027 χ^2/NDF: 107.6/108

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

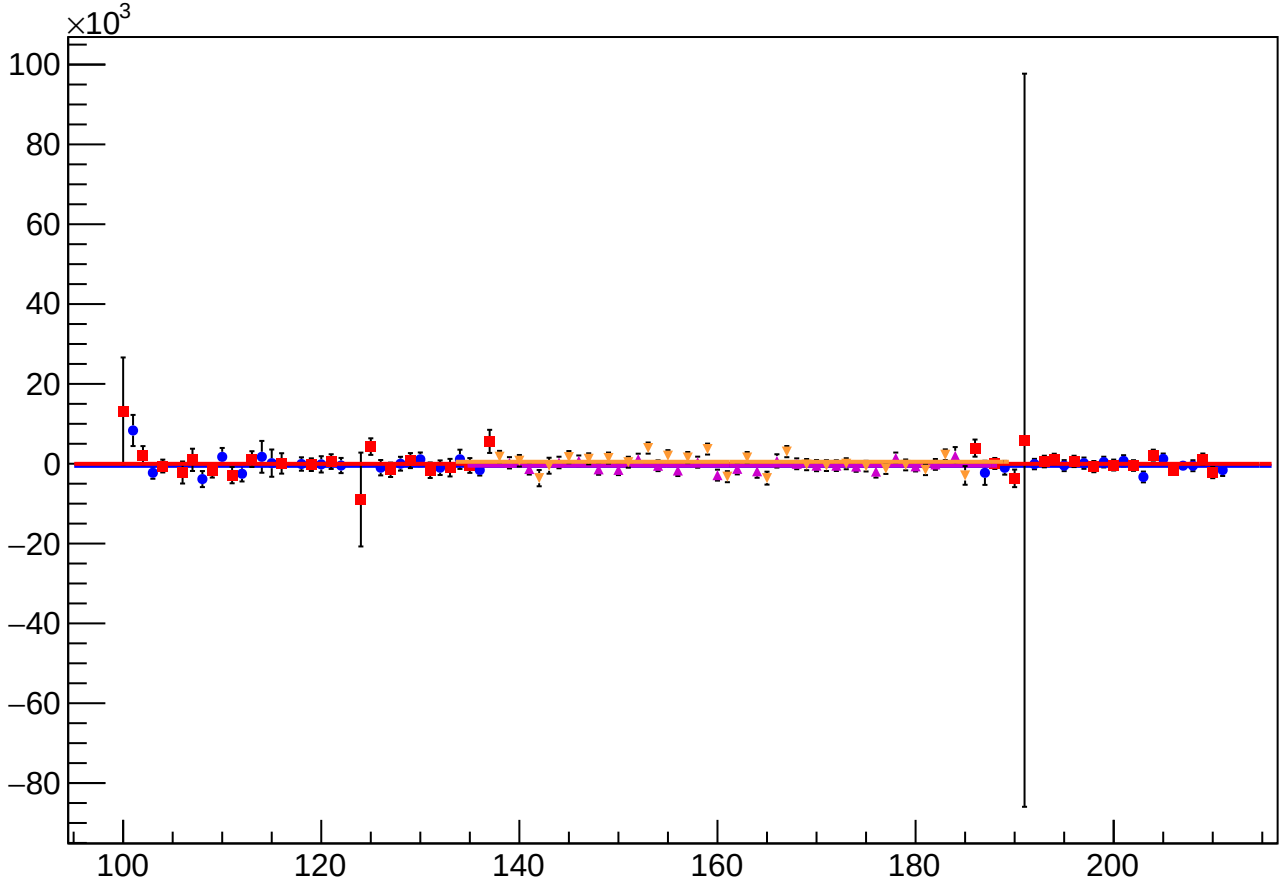
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3983.466+/-0.499 χ^2/NDF: 5042179.4/60

In: 4162.531+/-0.510 χ^2/NDF:3002926.3/50

Out: 3758.813+/-0.460 χ^2/NDF:6945928.1/57

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

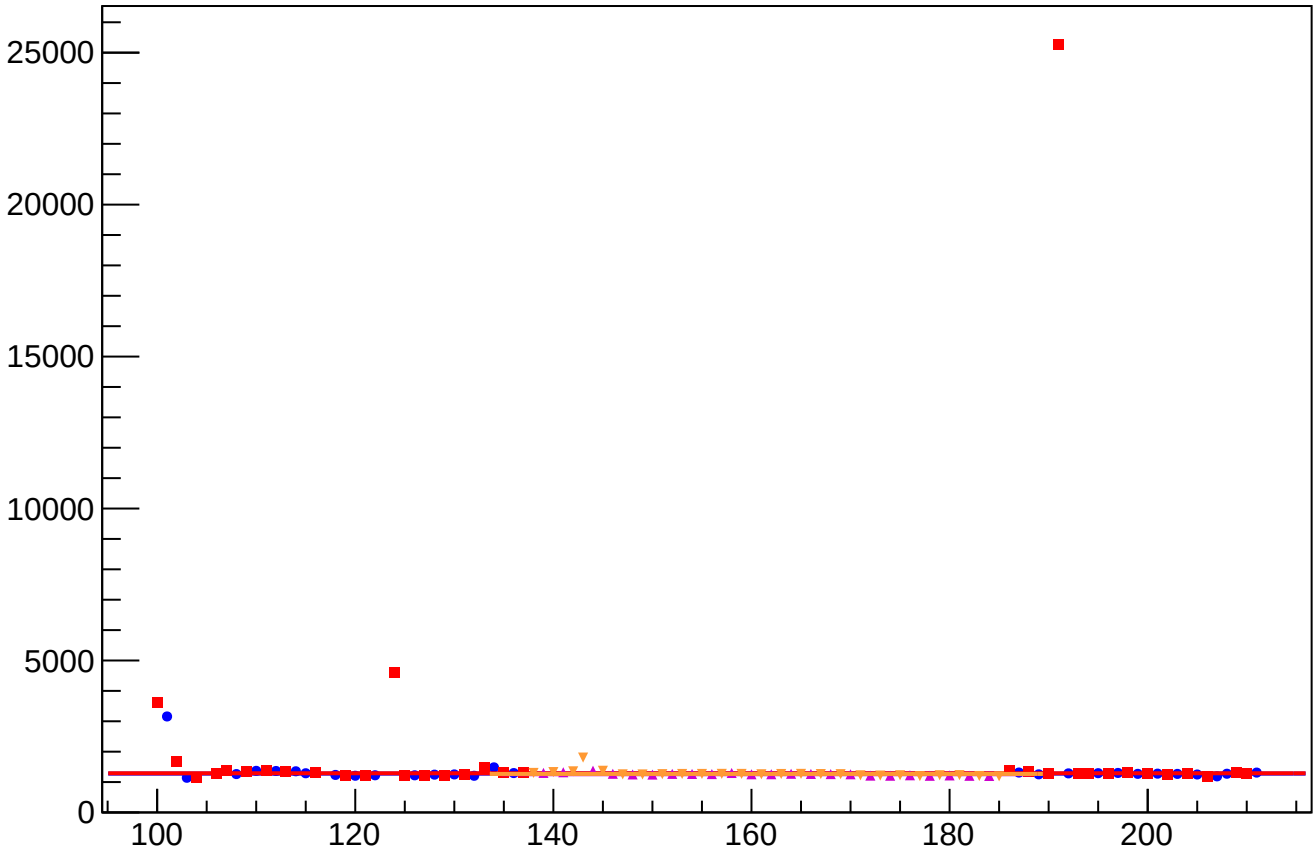
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

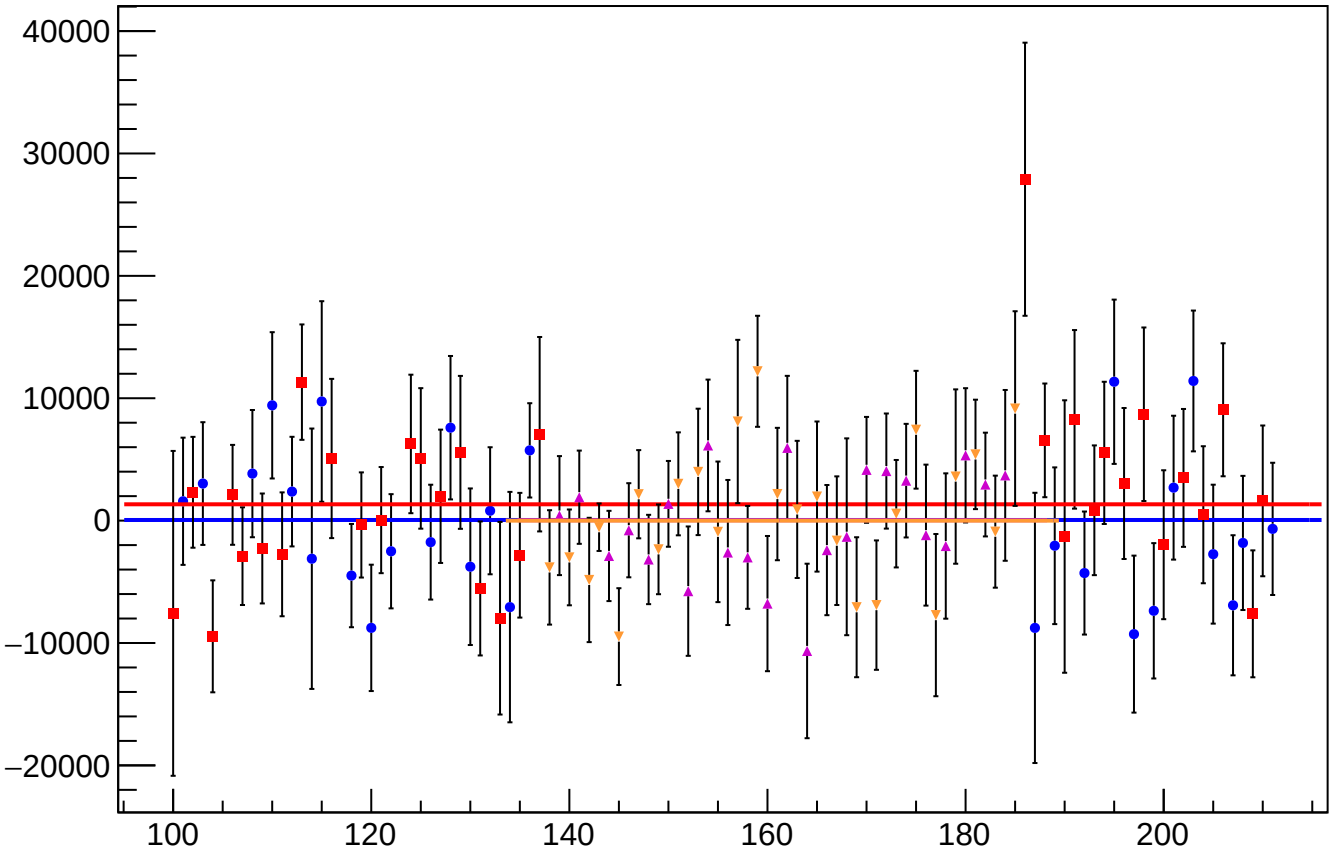
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

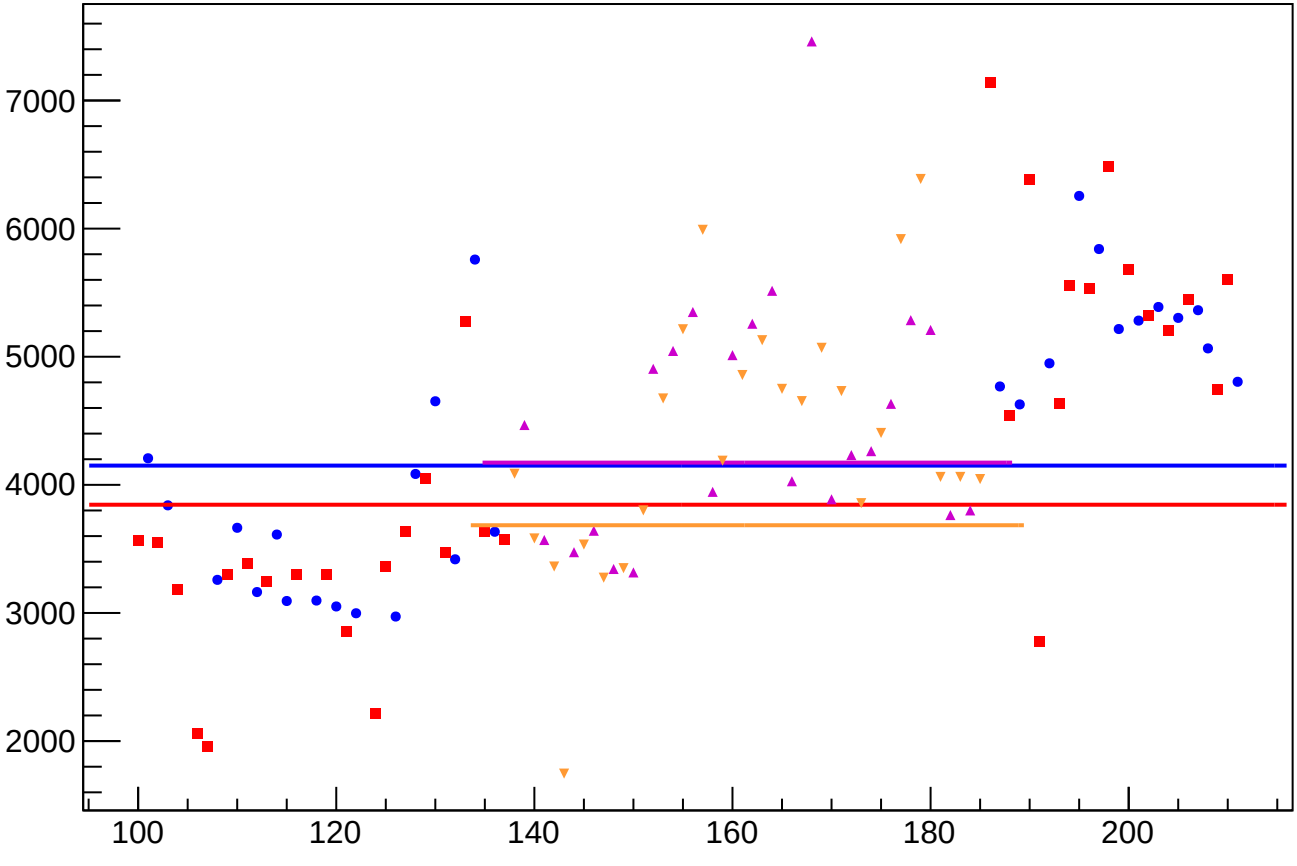
Right: 752.308+/-706.368 χ^2/NDF: 64.0/60

In: 41.209+/-721.920 χ^2/NDF:42.7/50

Out: 616.698+/-649.943 χ^2/NDF:64.6/57

All: 359.065+/-483.027 χ^2/NDF: 107.6/108

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

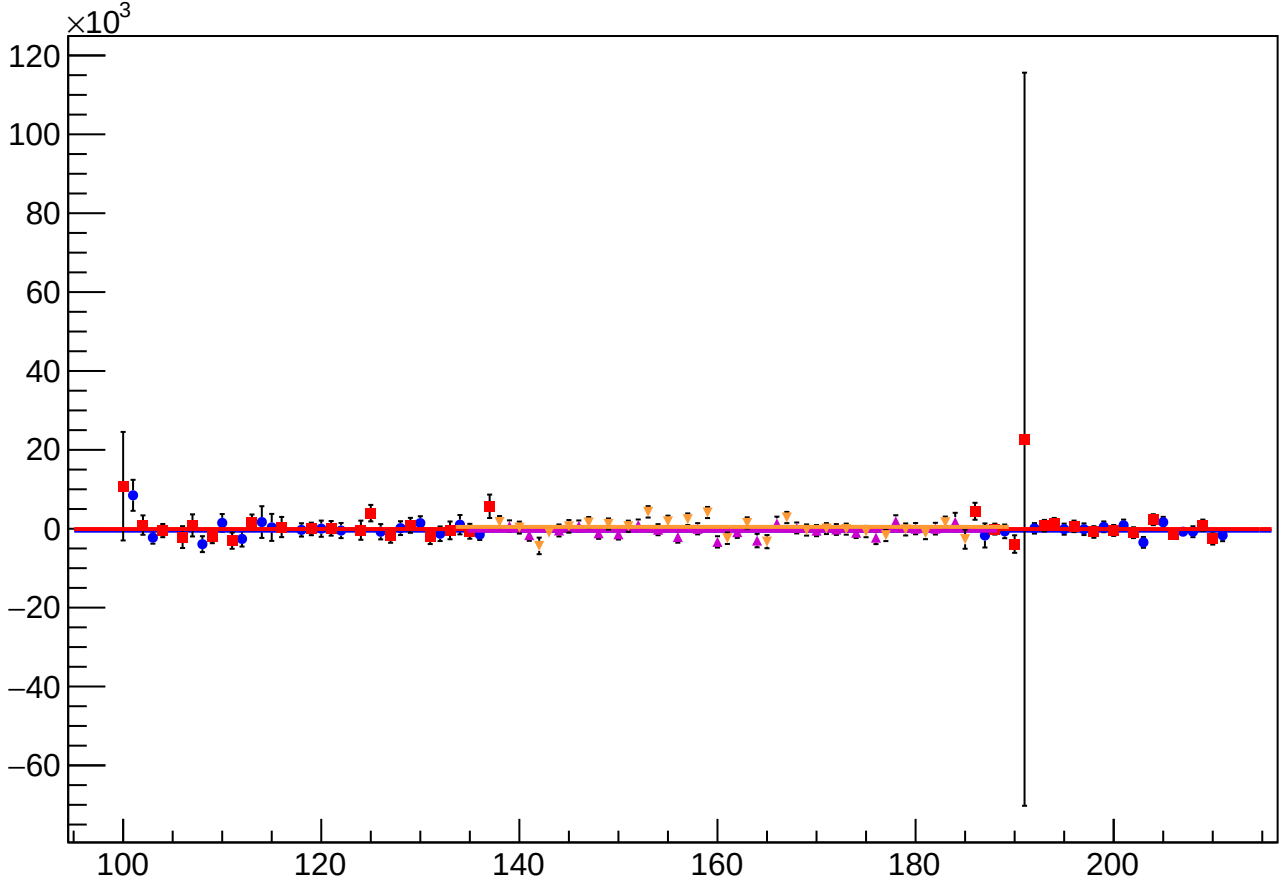
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3983.466+/-0.499 χ^2/NDF: 5042179.4/60

In: 4162.531+/-0.510 χ^2/NDF:3002926.3/50

Out: 3758.813+/-0.460 χ^2/NDF:6945928.1/57

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.986+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

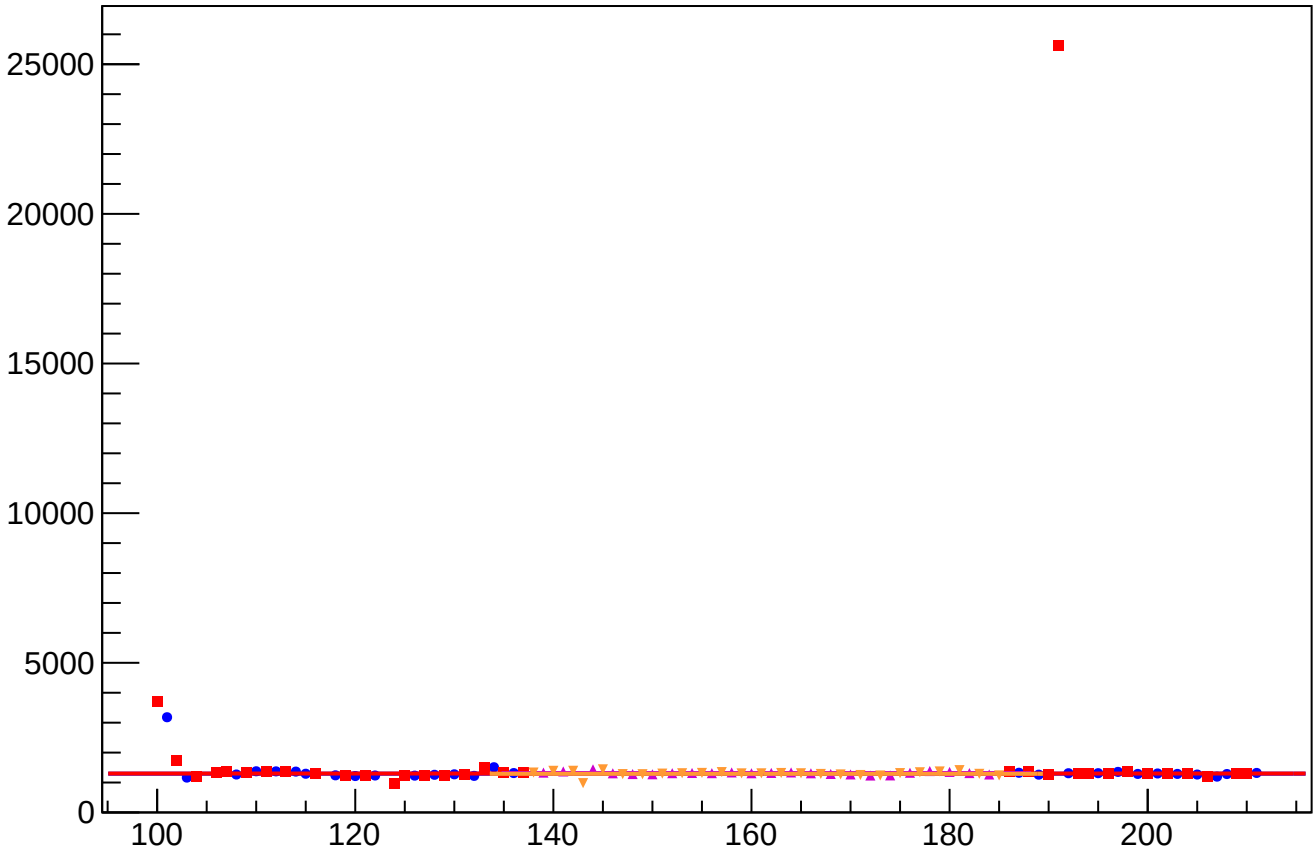
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.077+/-221.669 χ^2/NDF:41.3/50

Out: 209.327+/-213.648 χ^2/NDF:78.4/57

All: -131.827+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

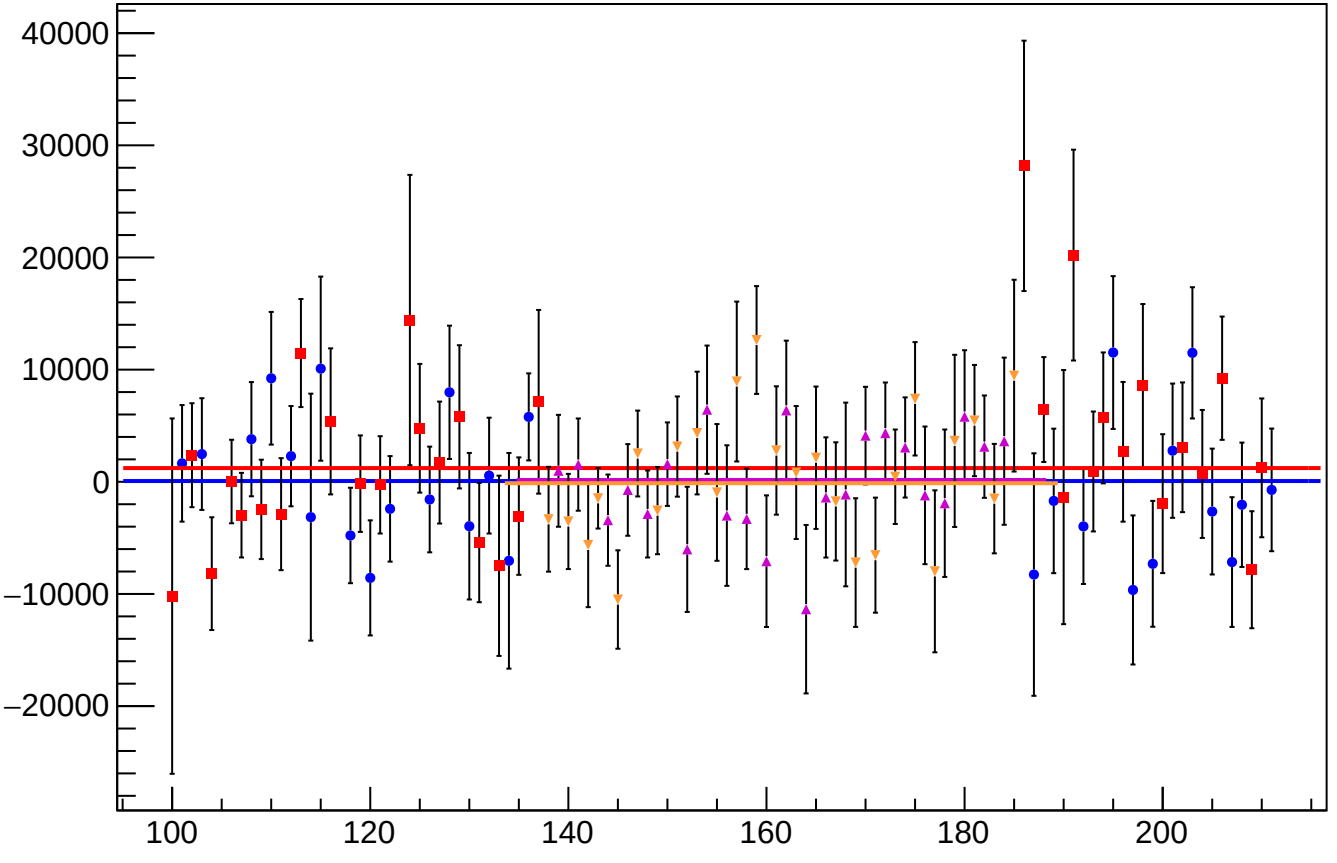
Right: 1297.928+/-0.158 χ^2/NDF: 908106.4/60

In: 1304.976+/-0.157 χ^2/NDF:576199.9/50

Out: 1295.624+/-0.151 χ^2/NDF:609957.2/57

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

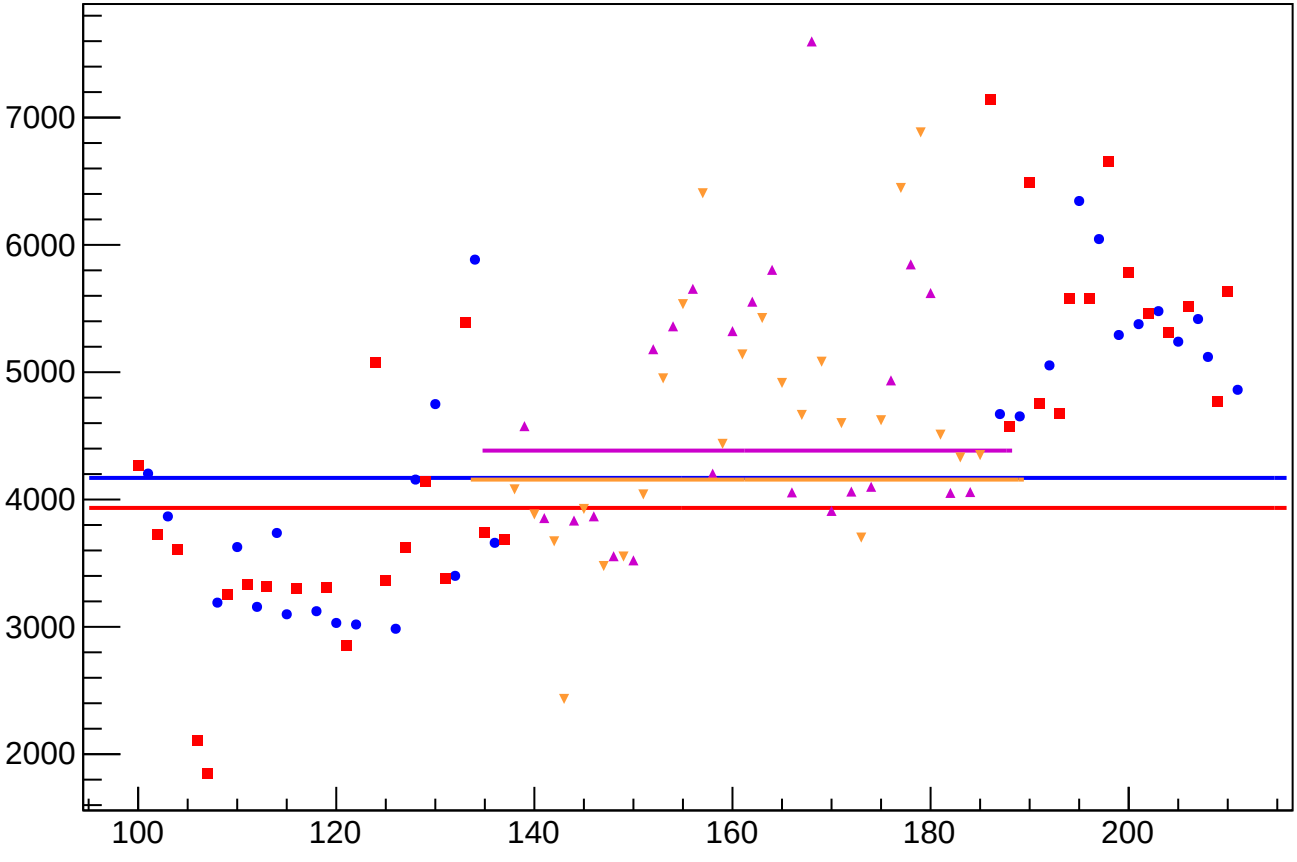
Right: 692.476+/-714.701 χ^2/NDF: 65.3/60

In: 113.996+/-742.534 χ^2/NDF:42.3/50

Out: 551.531+/-689.083 χ^2/NDF:65.7/57

All: 349.076+/-505.095 χ^2/NDF: 108.2/108

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

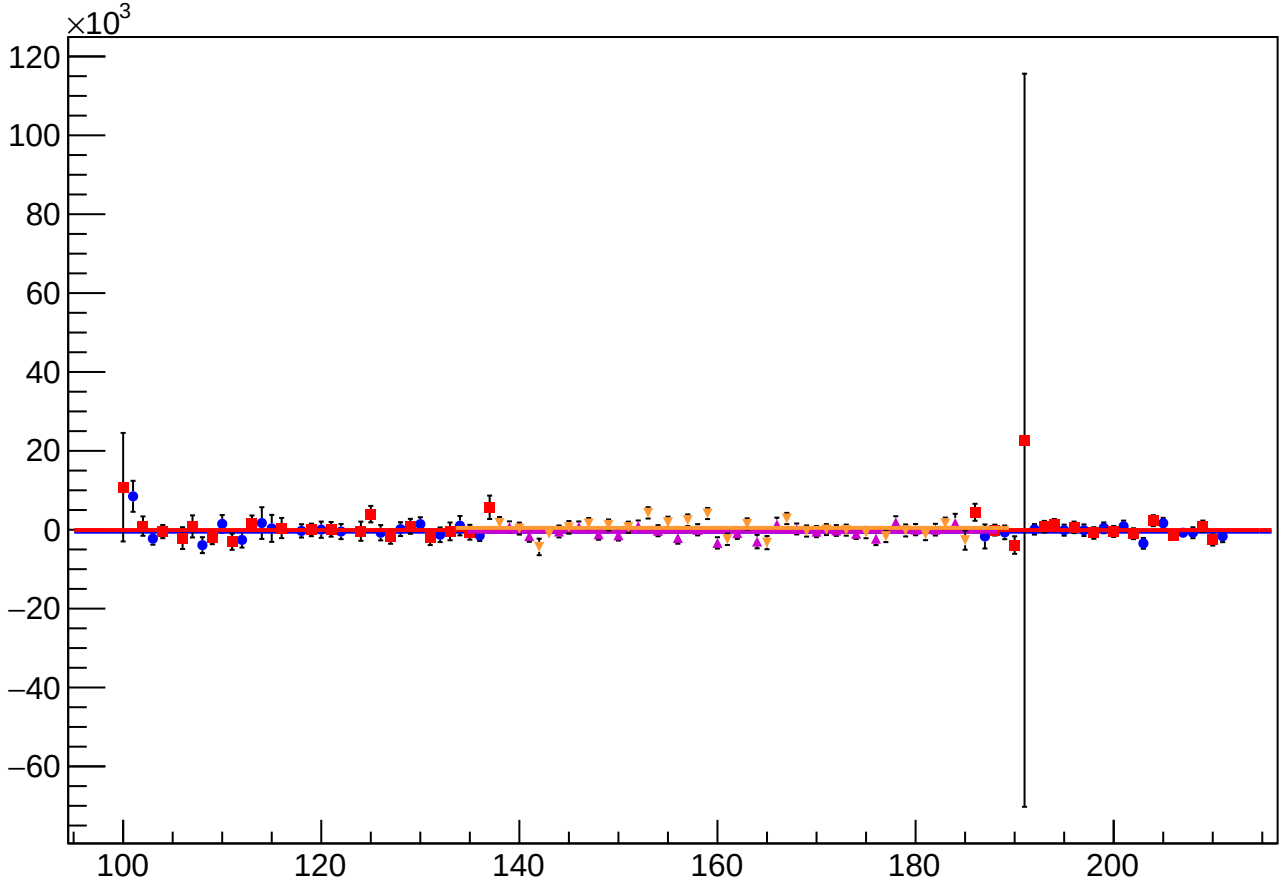
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4042.330+/-0.505 χ^2/NDF: 5143687.0/60

In: 4278.023+/-0.525 χ^2/NDF:3115710.7/50

Out: 4044.717+/-0.487 χ^2/NDF:5404016.8/57

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.987+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

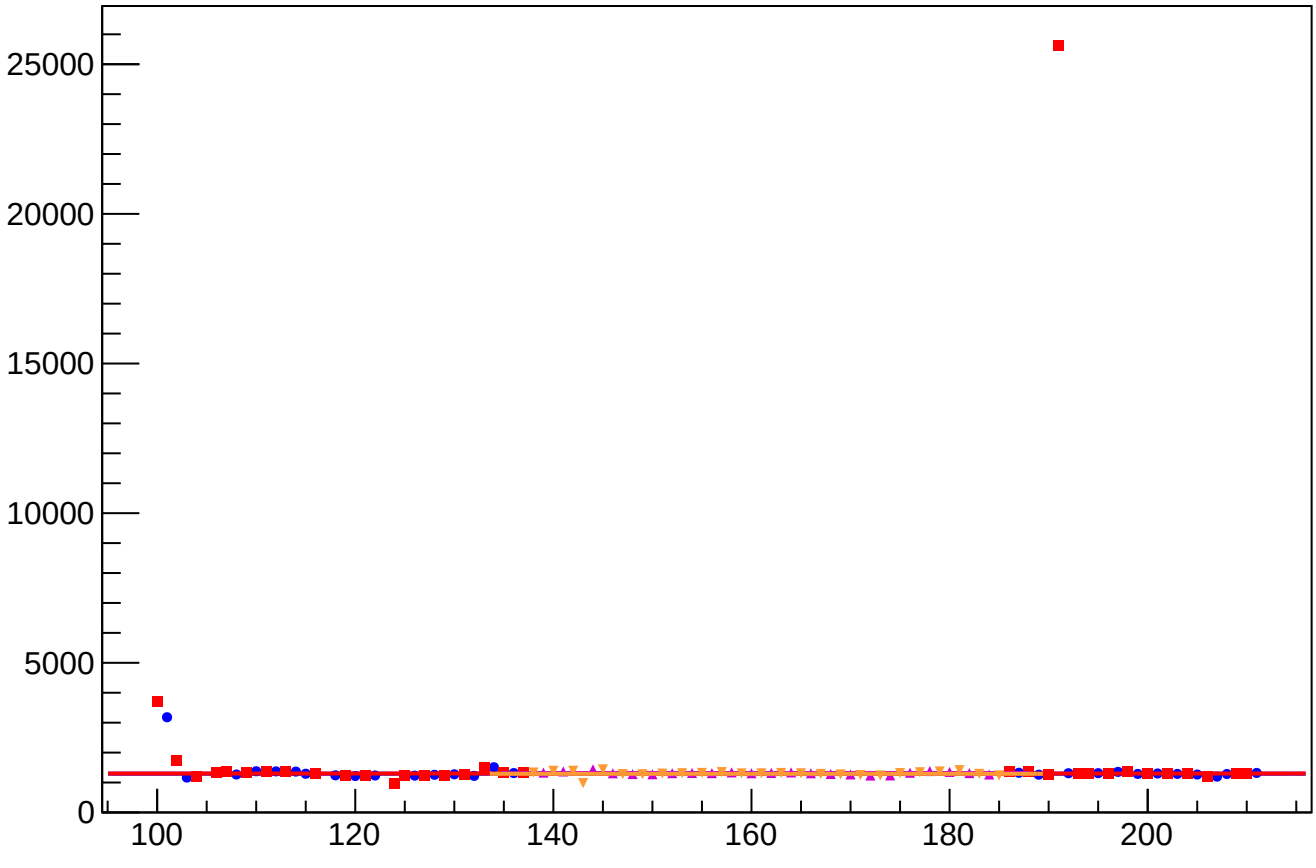
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.078+/-221.669 χ^2/NDF:41.3/50

Out: 209.329+/-213.648 χ^2/NDF:78.4/57

All: -131.826+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

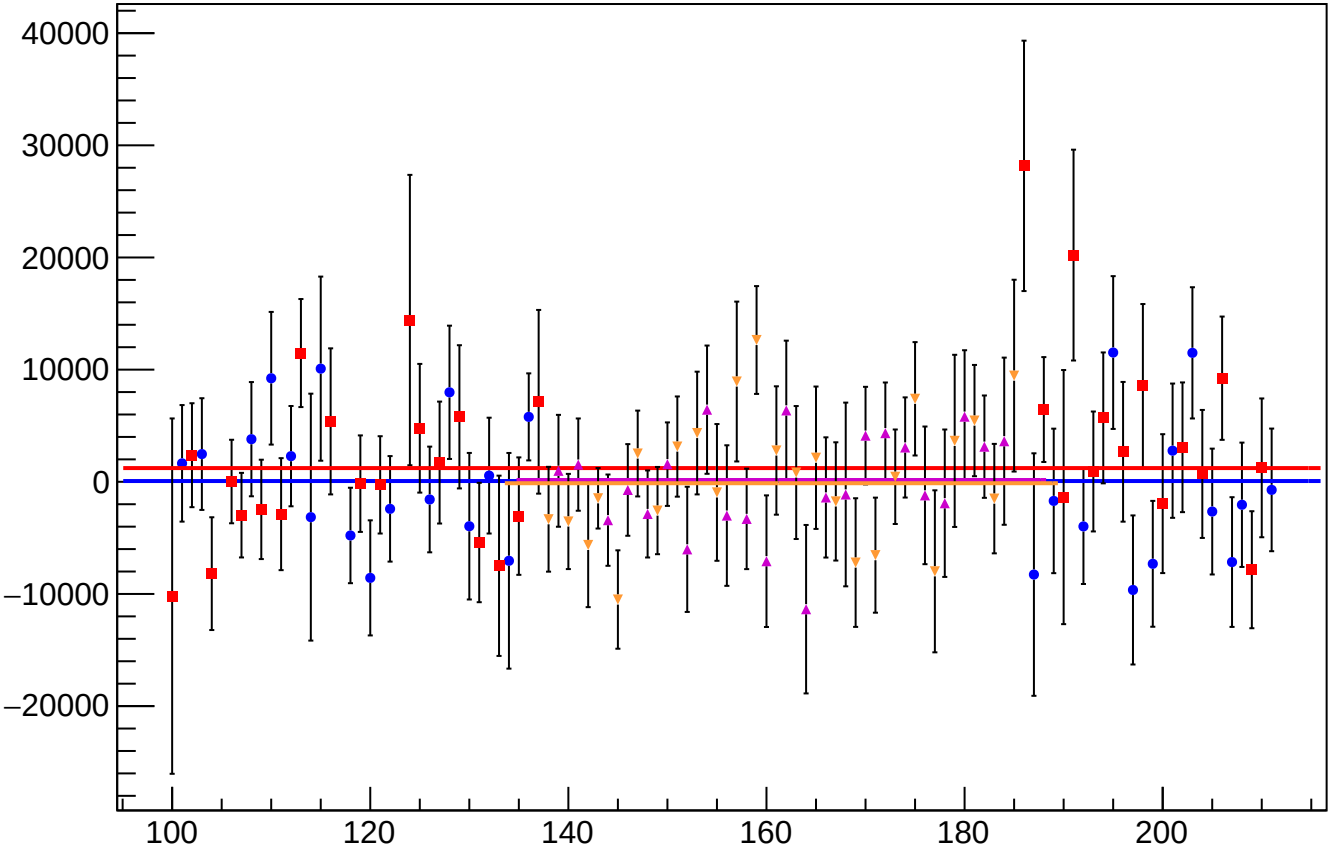
Right: 1297.928+/-0.158 χ^2/NDF: 908106.7/60

In: 1304.977+/-0.157 χ^2/NDF:576202.7/50

Out: 1295.624+/-0.151 χ^2/NDF:609959.5/57

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.728+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1222.822+/-971.812 χ^2/NDF: 36.2/32

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

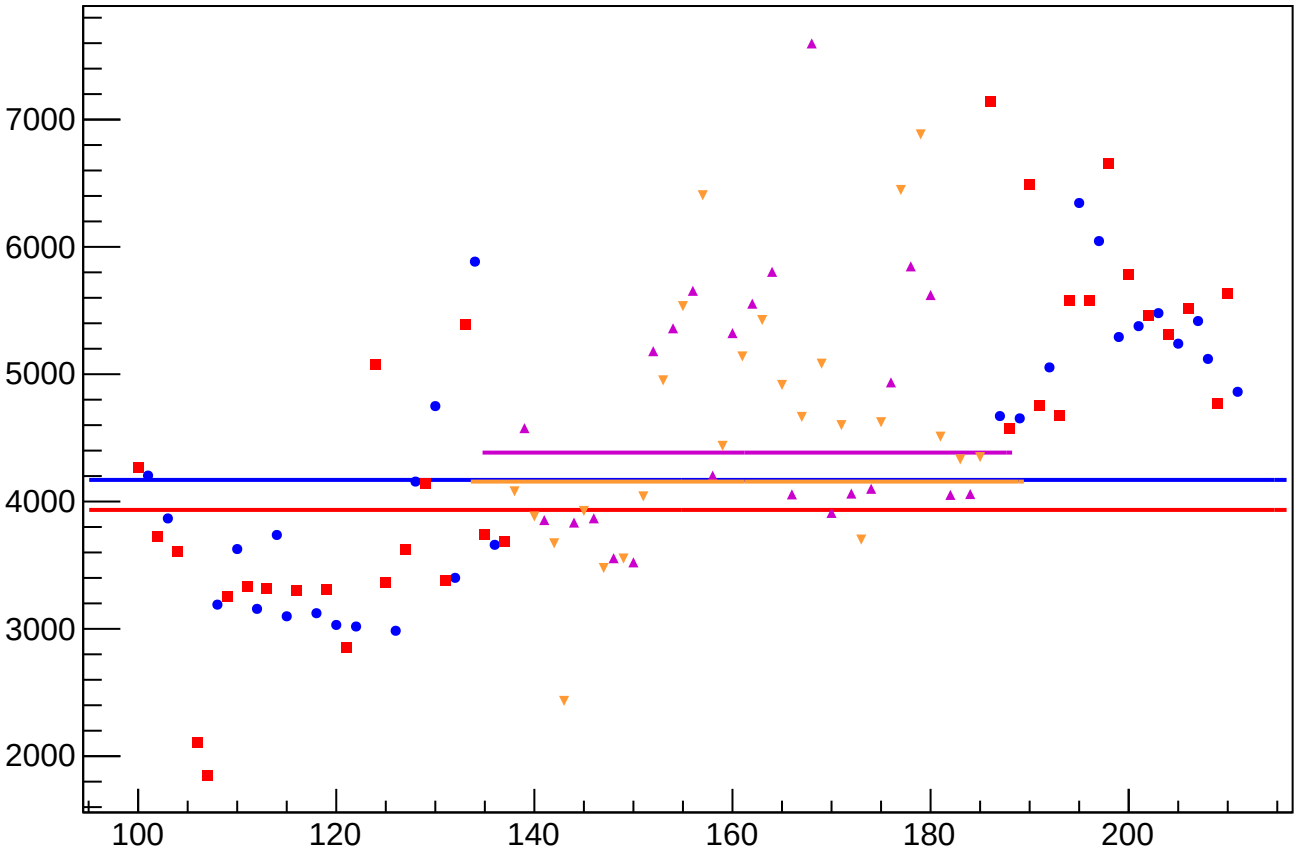
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

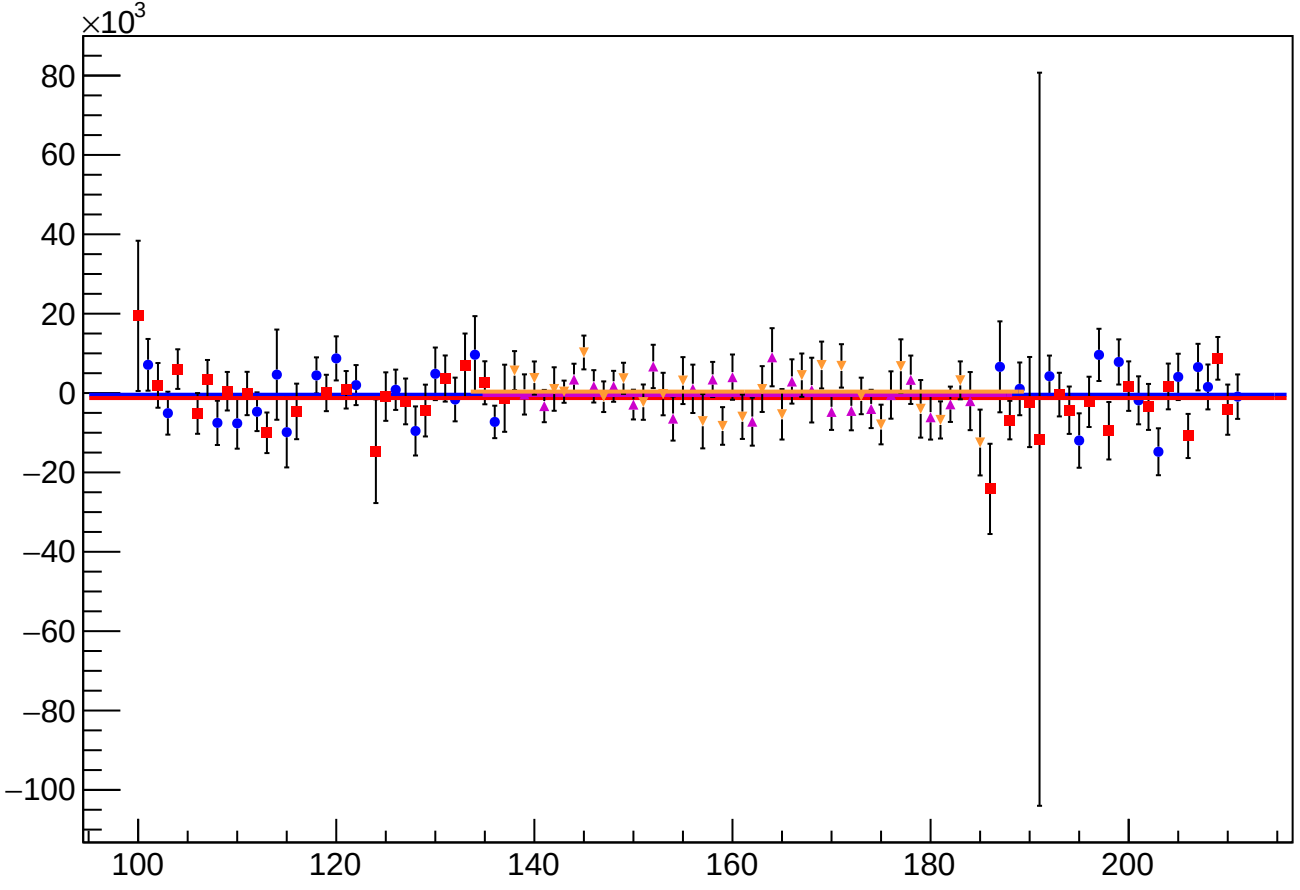
Right: 692.471+/-714.701 χ^2/NDF: 65.3/60

In: 113.995+/-742.534 χ^2/NDF:42.3/50

Out: 551.530+/-689.083 χ^2/NDF:65.7/57

All: 349.076+/-505.096 χ^2/NDF: 108.2/108


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: 4169.829+/-0.746 χ²/NDF: 1818556.6/27
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3934.084+/-0.687 χ²/NDF: 3271158.9/32
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 4042.324+/-0.505 χ²/NDF: 5143753.5/60
In: 4278.023+/-0.525 χ²/NDF:3115753.0/50
Out: 4044.717+/-0.487 χ²/NDF:5404058.2/57
All: 4152.672+/-0.357 χ²/NDF: 8625896.0/10



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1265.657+/-1053.627 χ^2/NDF: 26.5/32

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

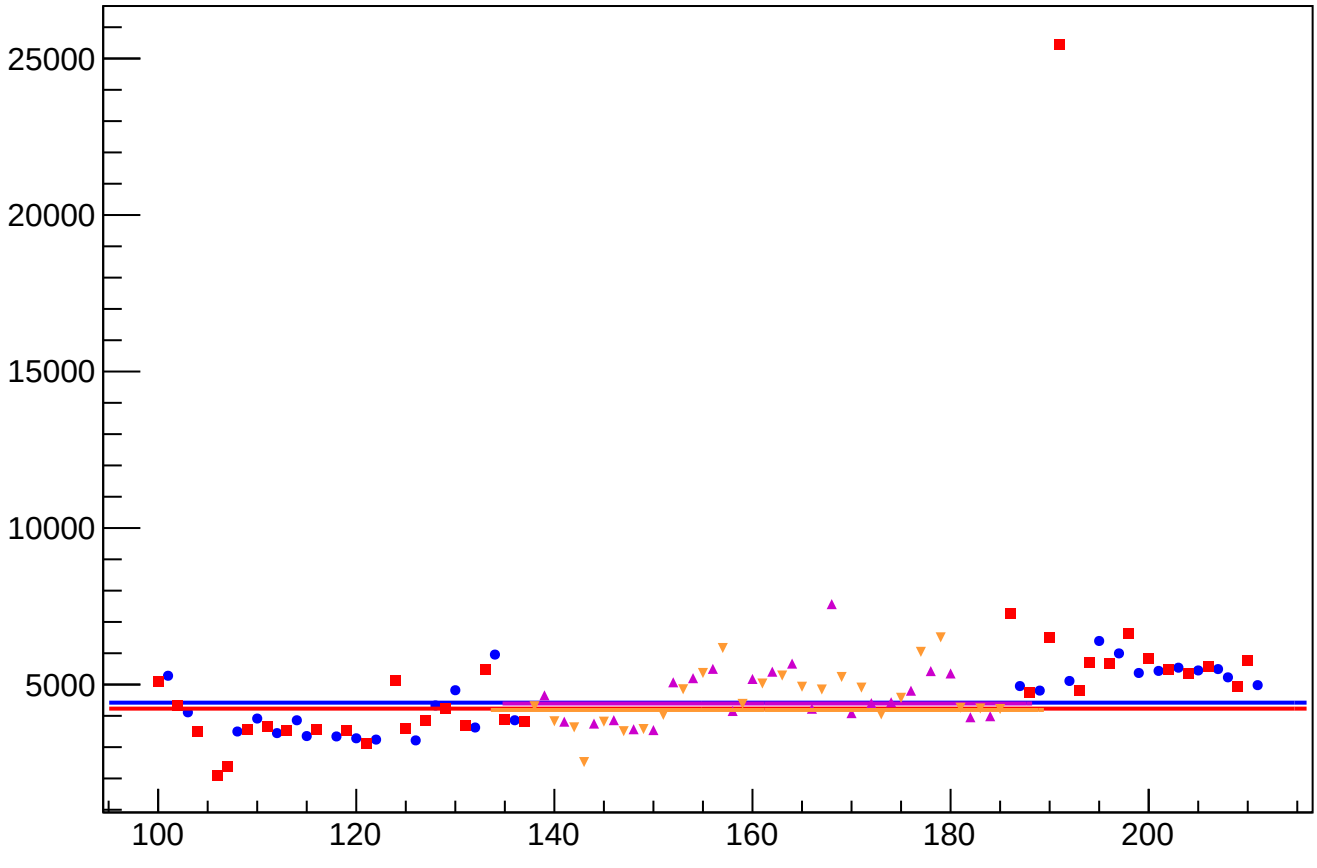
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -867.428+/-764.983 χ^2/NDF: 61.4/60

In: -462.824+/-761.548 χ^2/NDF:48.4/50

Out: -392.578+/-717.528 χ^2/NDF:55.5/57

All: -425.612+/-522.238 χ^2/NDF: 103.9/108



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

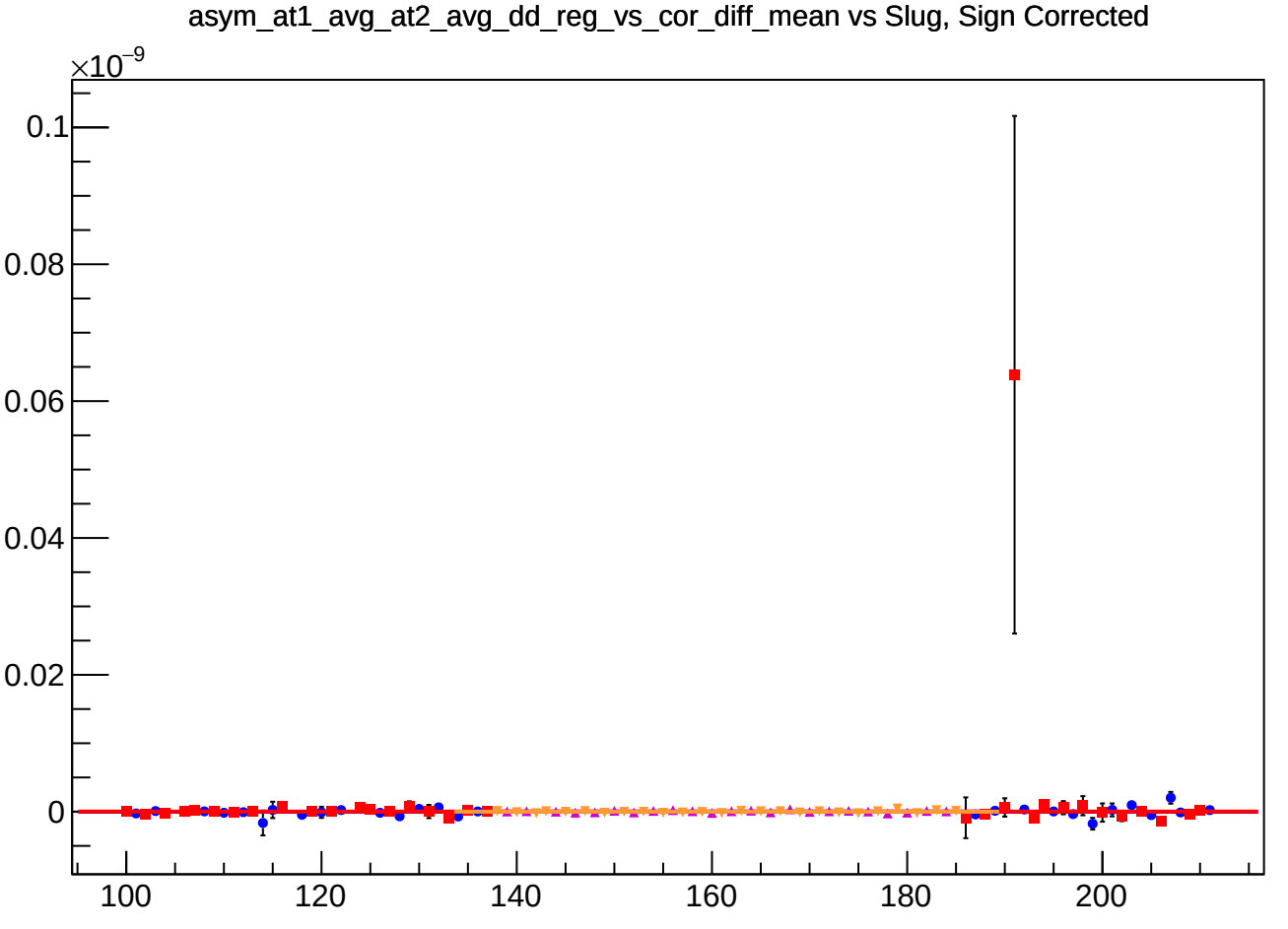
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4320.275+/-0.538 χ^2/NDF: 4118891.3/60

In: 4407.080+/-0.538 χ^2/NDF:2565807.9/50

Out: 4208.036+/-0.505 χ^2/NDF:4409087.1/57

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

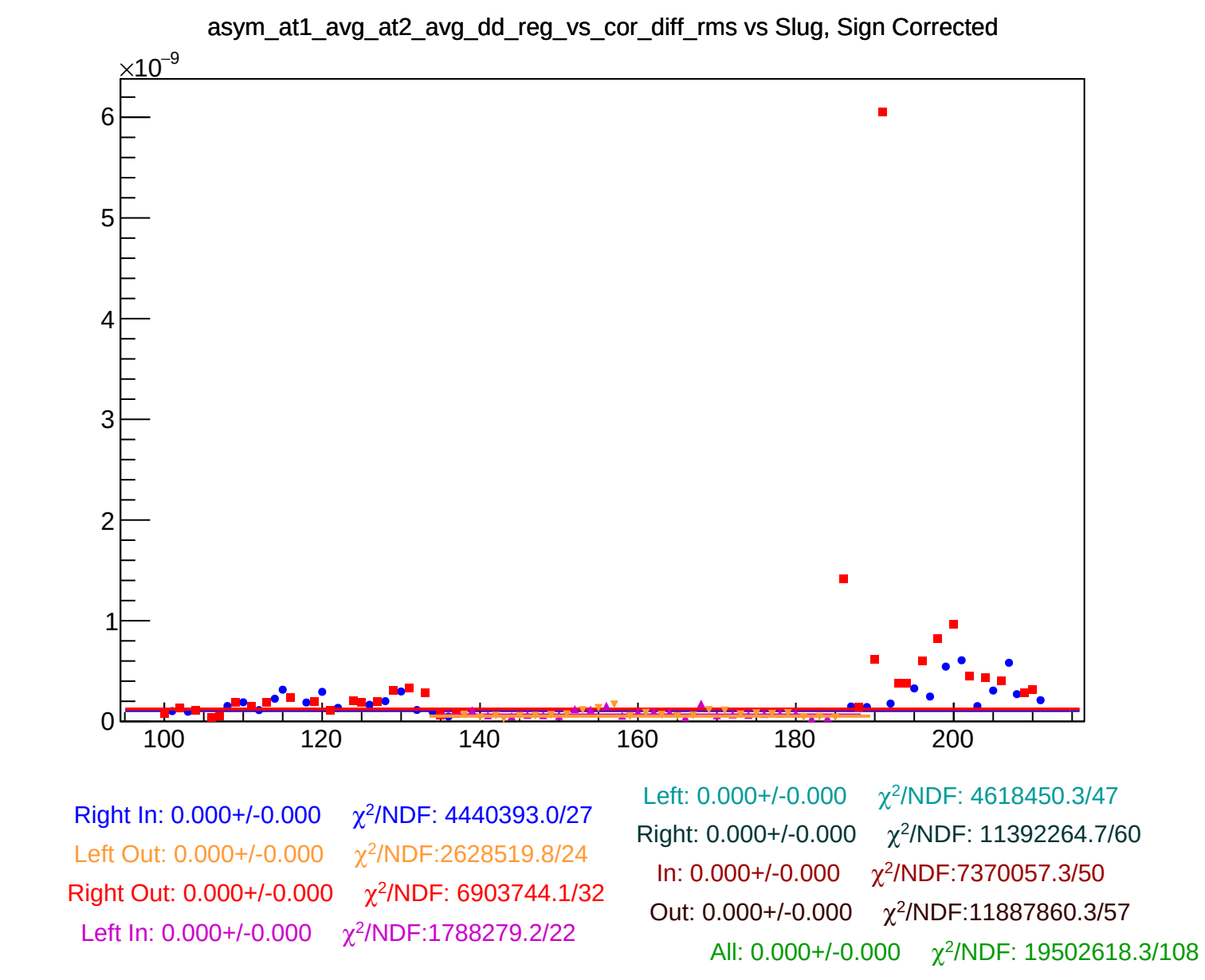
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 68.9/60

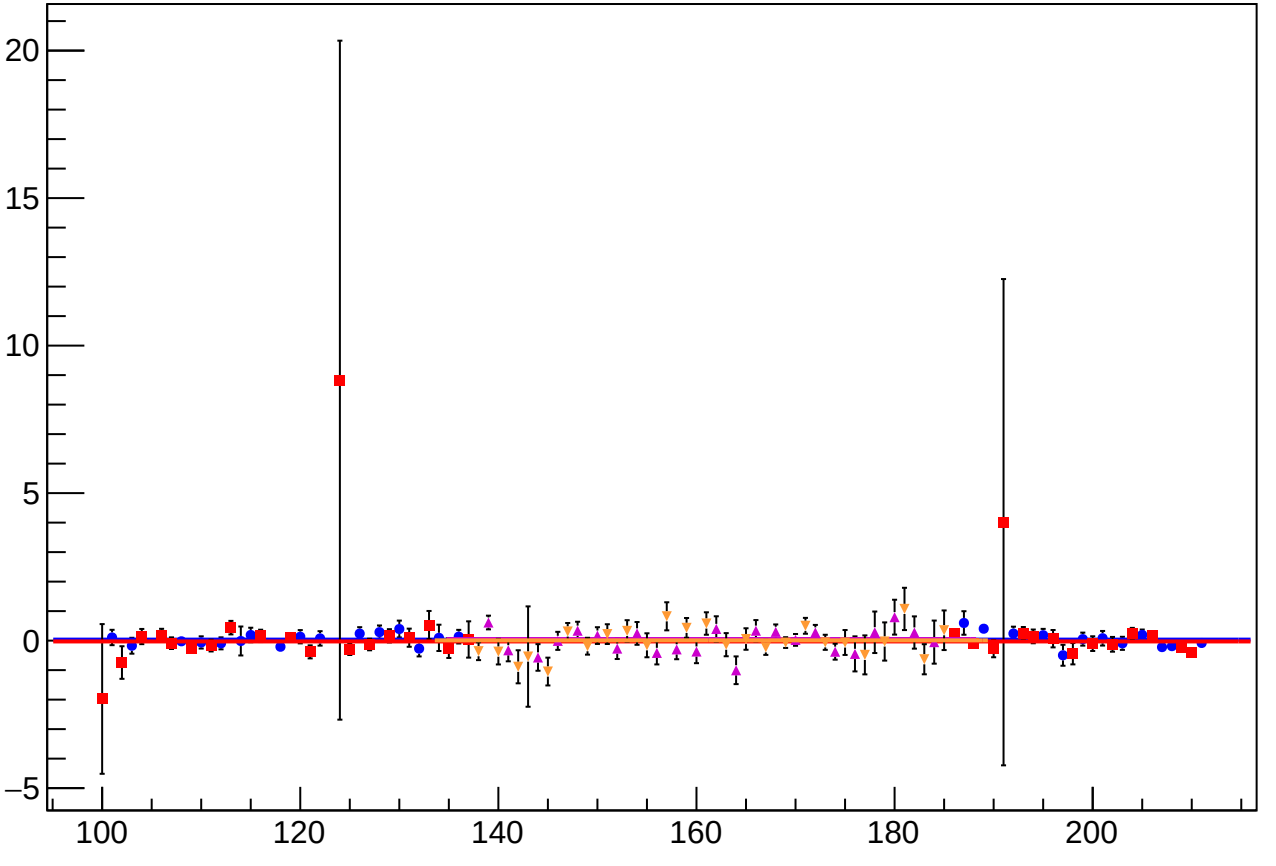
In: 0.000+/-0.000 χ^2/NDF:52.2/50

Out: -0.000+/-0.000 χ^2/NDF:64.5/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/108


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: 4440393.0/27
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6903744.1/32
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: 11392264.7/60
In: 0.000+/-0.000 χ²/NDF:7370057.3/50
Out: 0.000+/-0.000 χ²/NDF:11887860.3/57
All: 0.000+/-0.000 χ²/NDF: 19502618.3/108

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

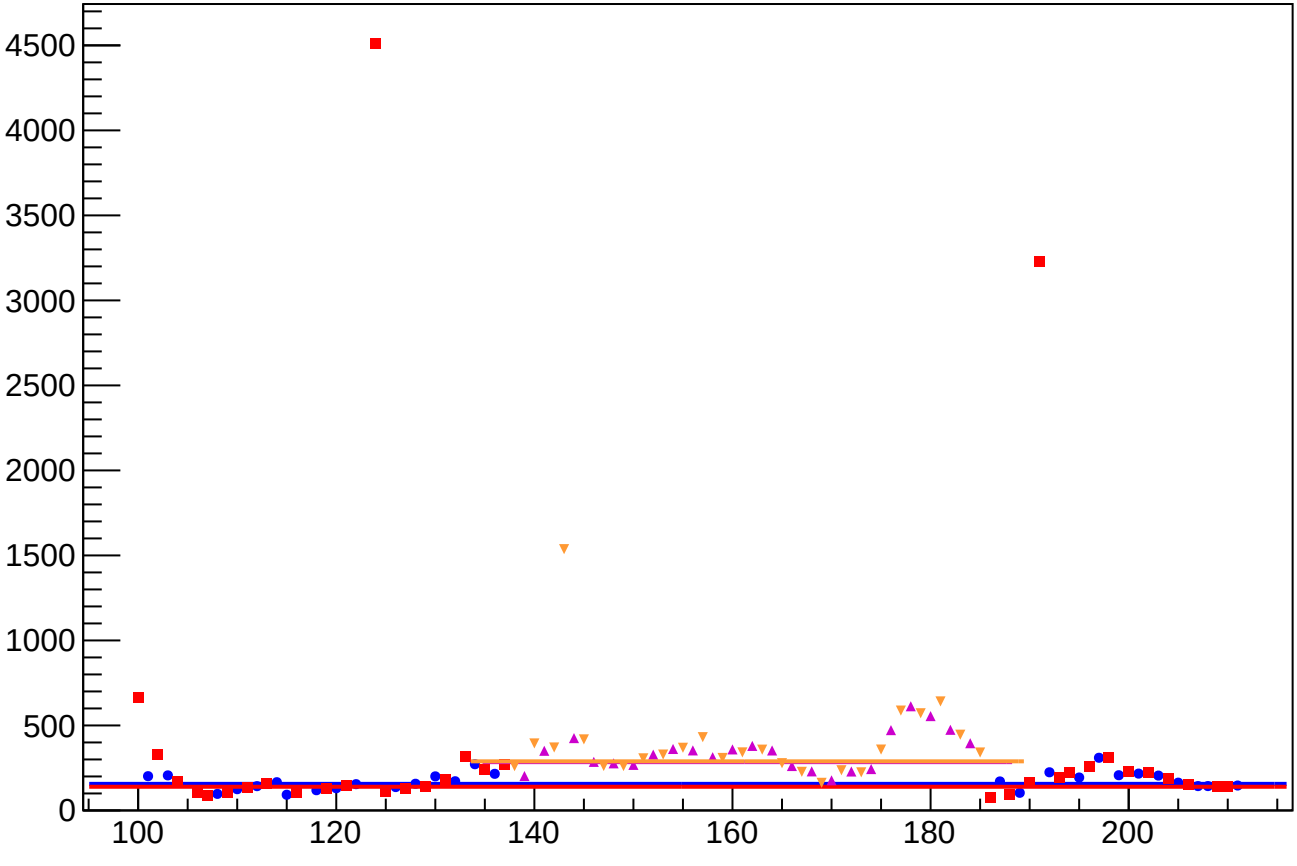
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

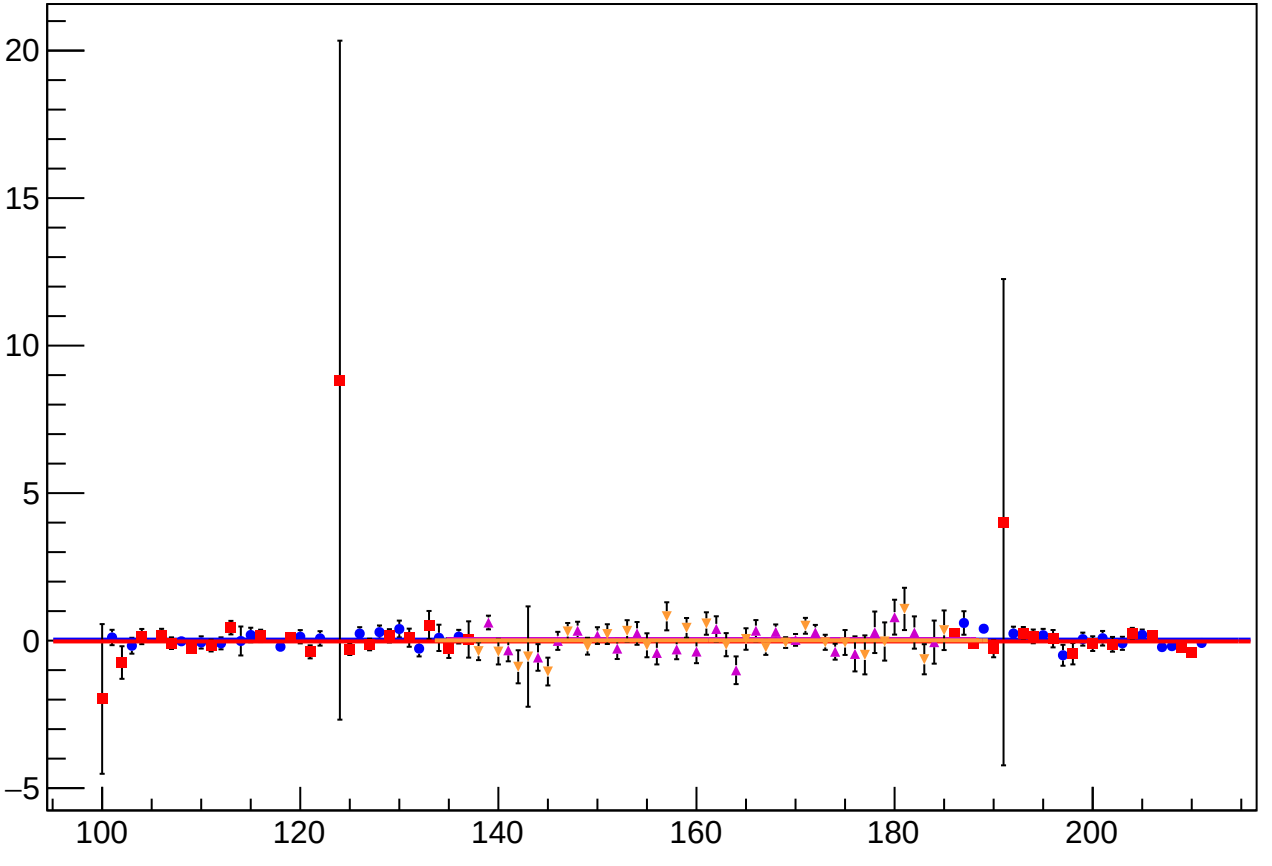
Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

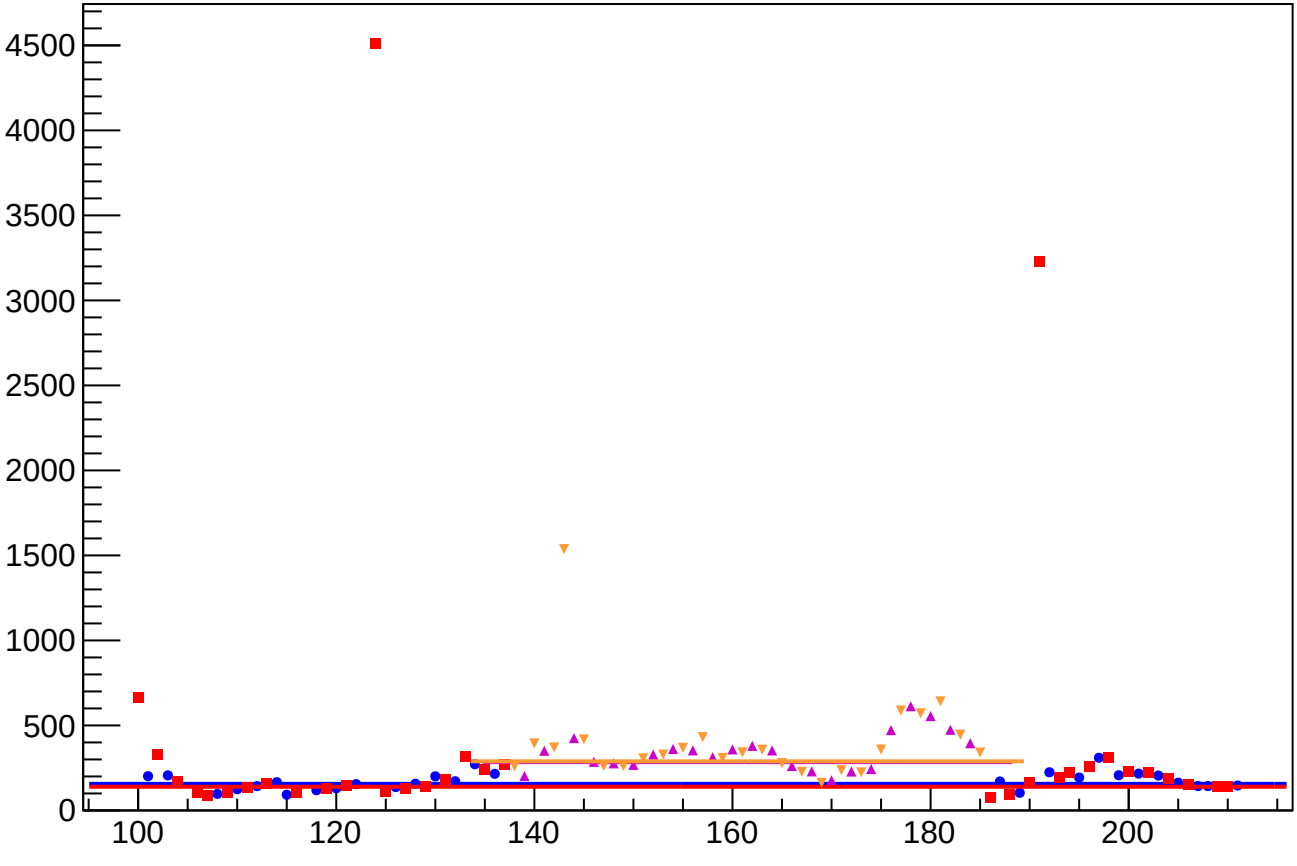
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

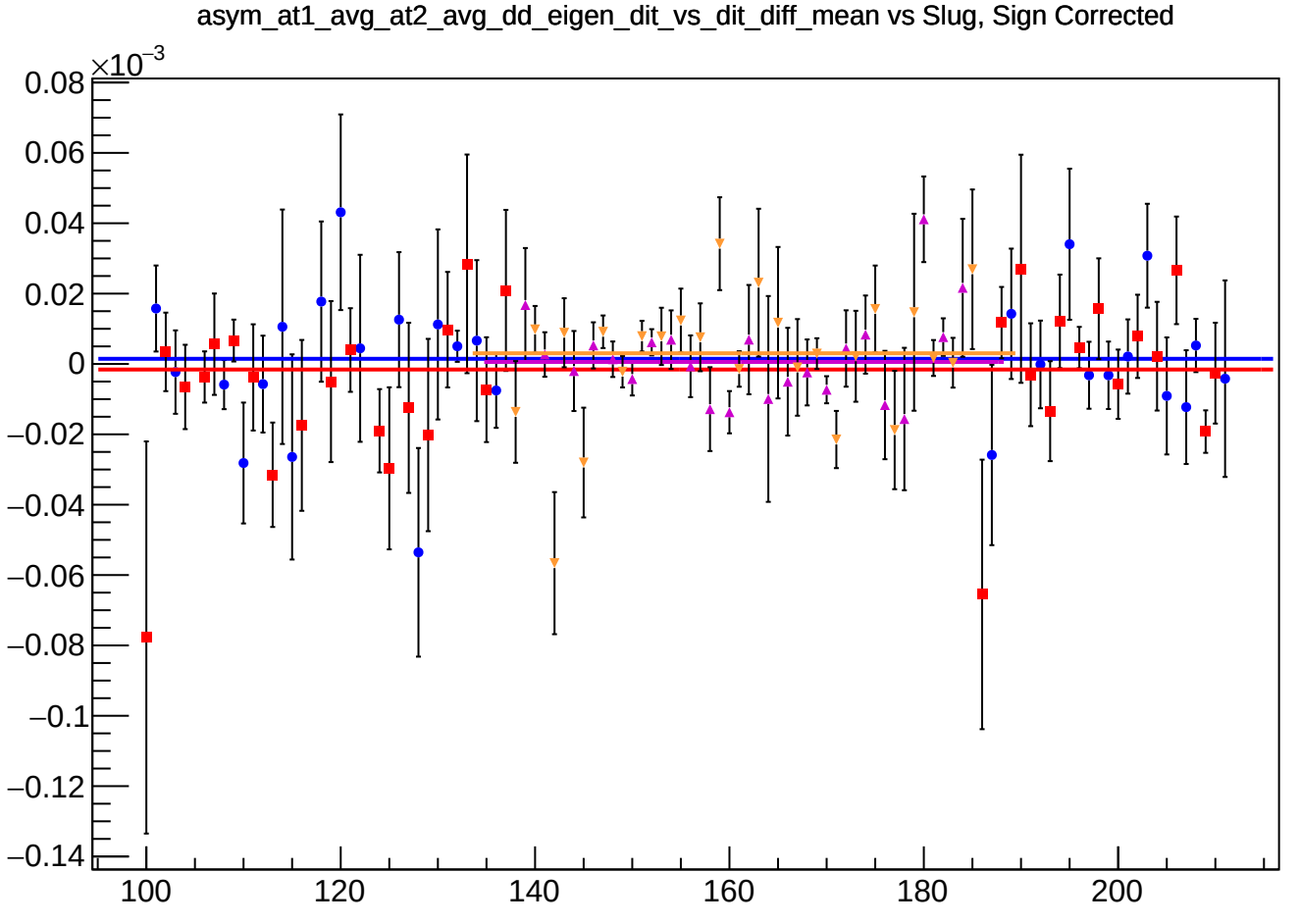
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

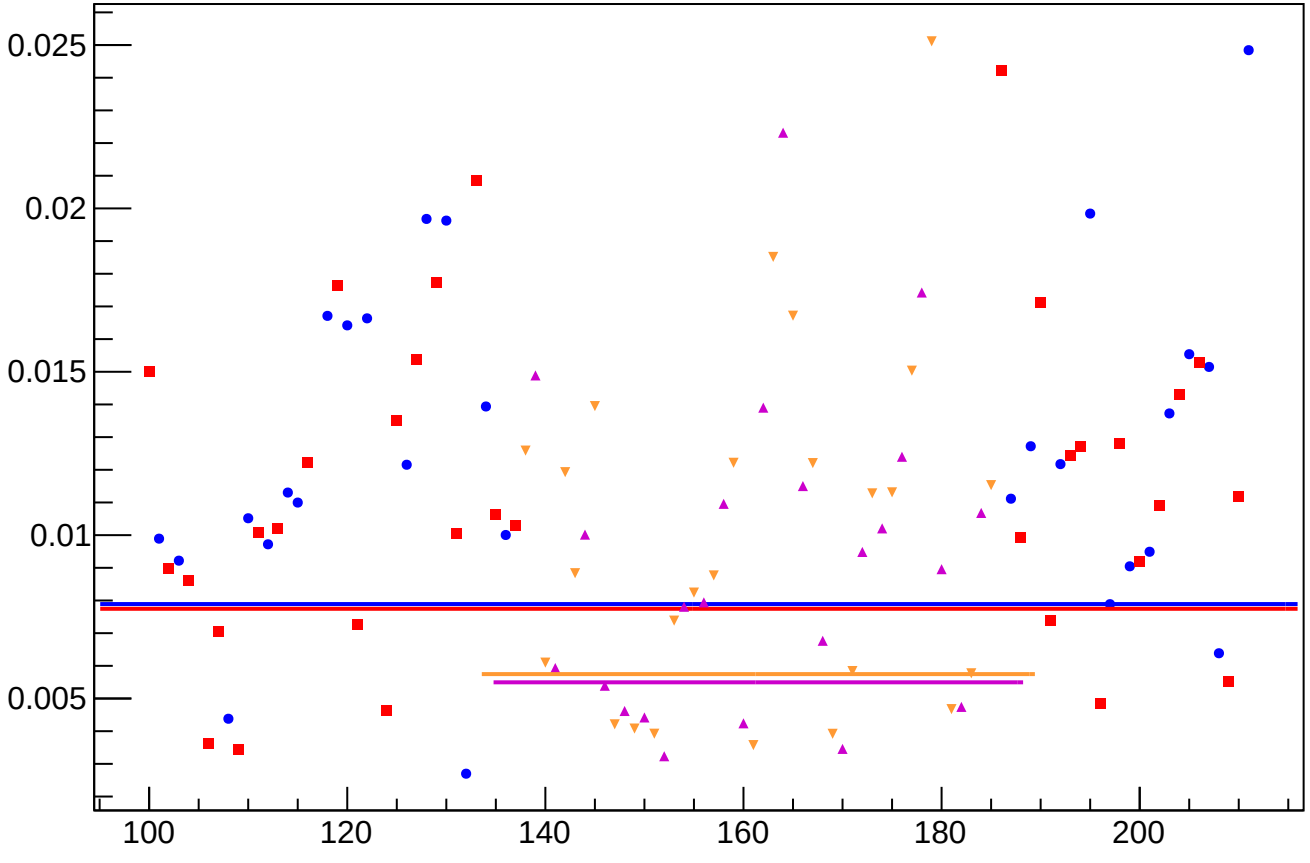
Right: -0.000+/-0.000 χ^2/NDF: 64.2/60

In: 0.000+/-0.000 χ^2/NDF:58.0/50

Out: 0.000+/-0.000 χ^2/NDF:83.9/57

All: 0.000+/-0.000 χ^2/NDF: 142.0/108

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: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

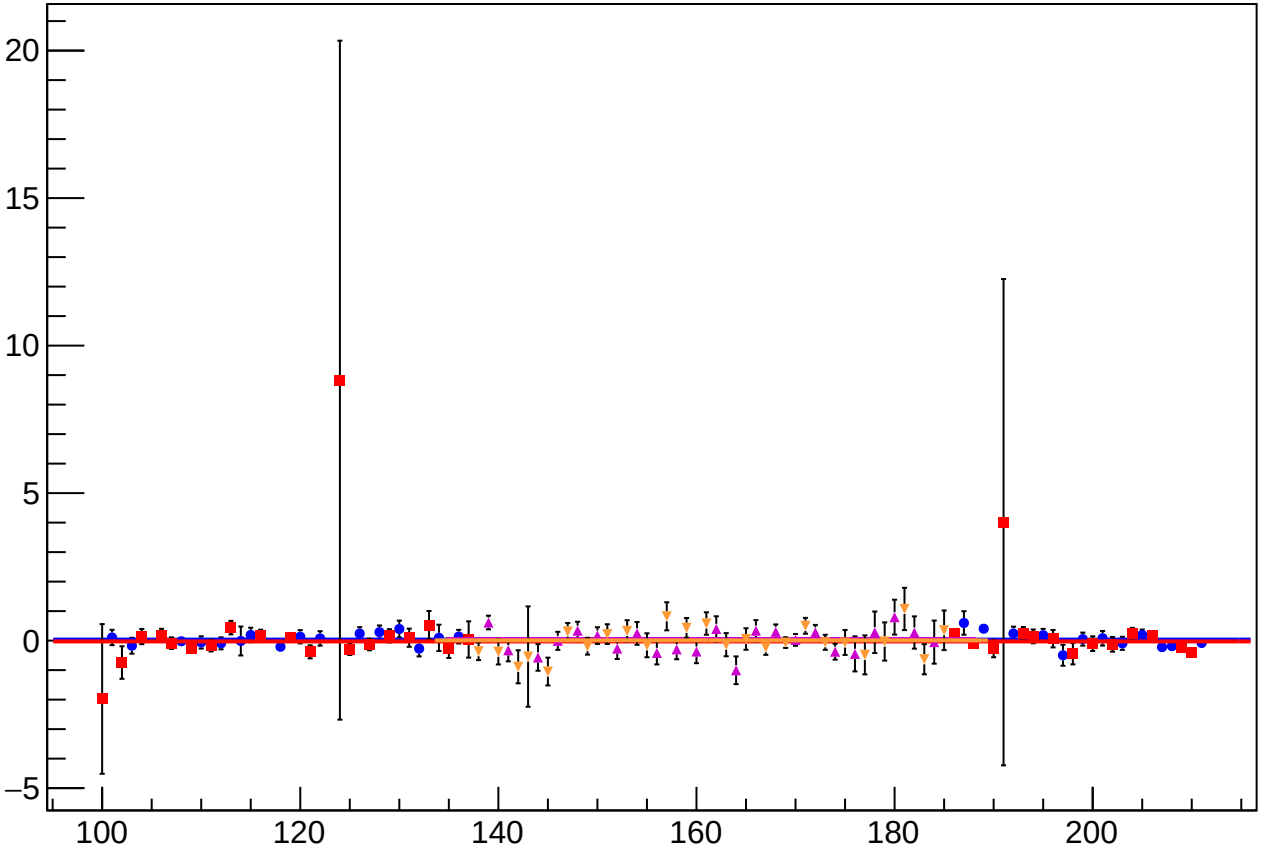
Right: 0.008+/-0.000 χ^2/NDF: 15059656.3/60

In: 0.006+/-0.000 χ^2/NDF:16691413.7/50

Out: 0.006+/-0.000 χ^2/NDF:16149895.0/57

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

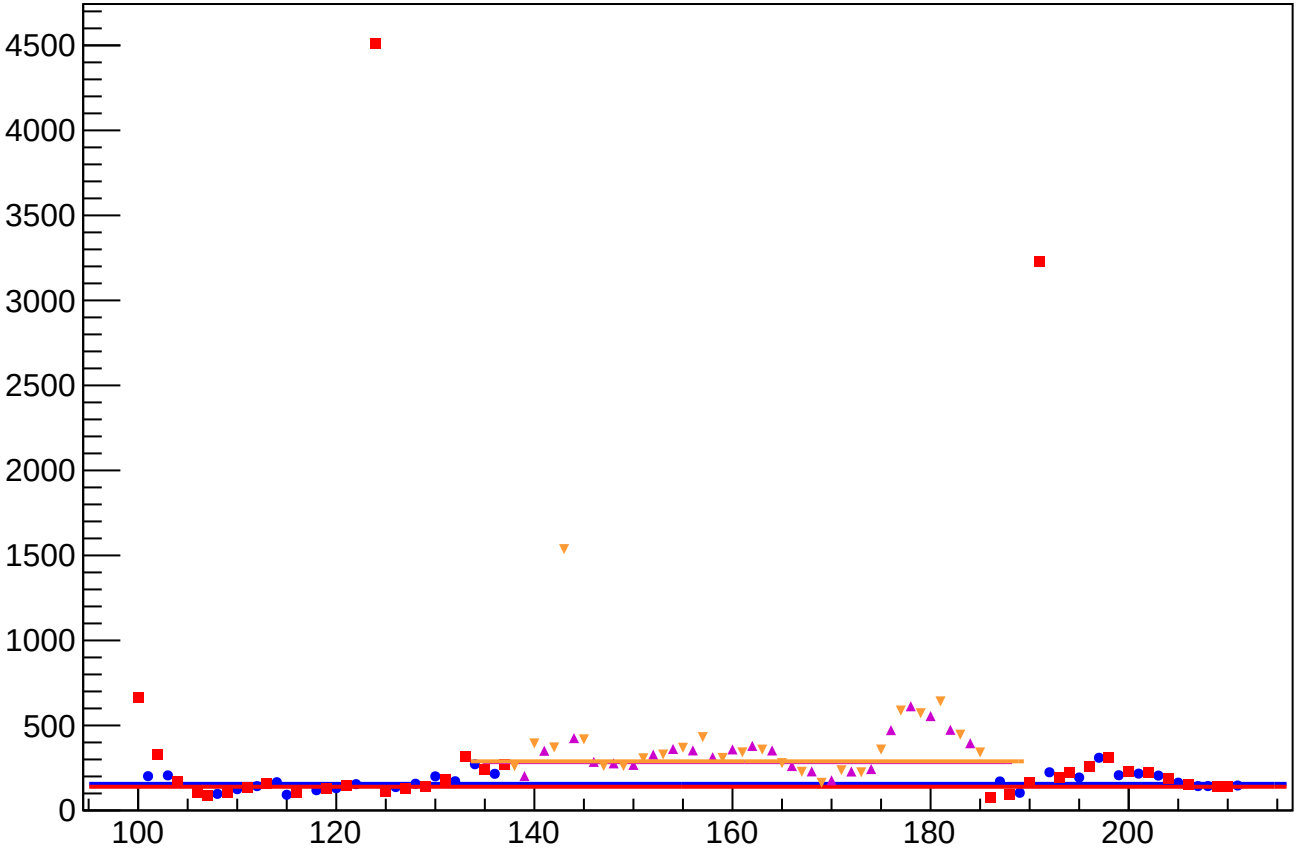
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

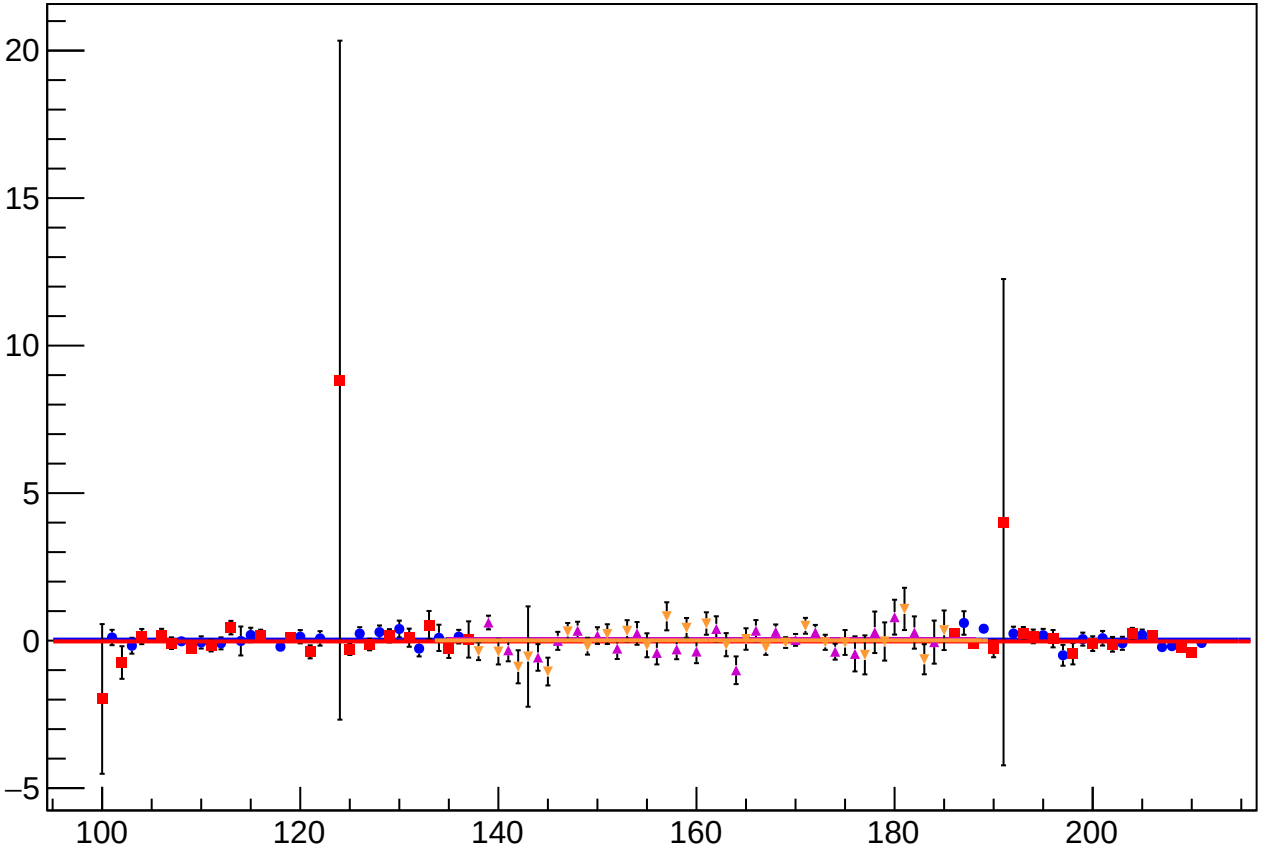
Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

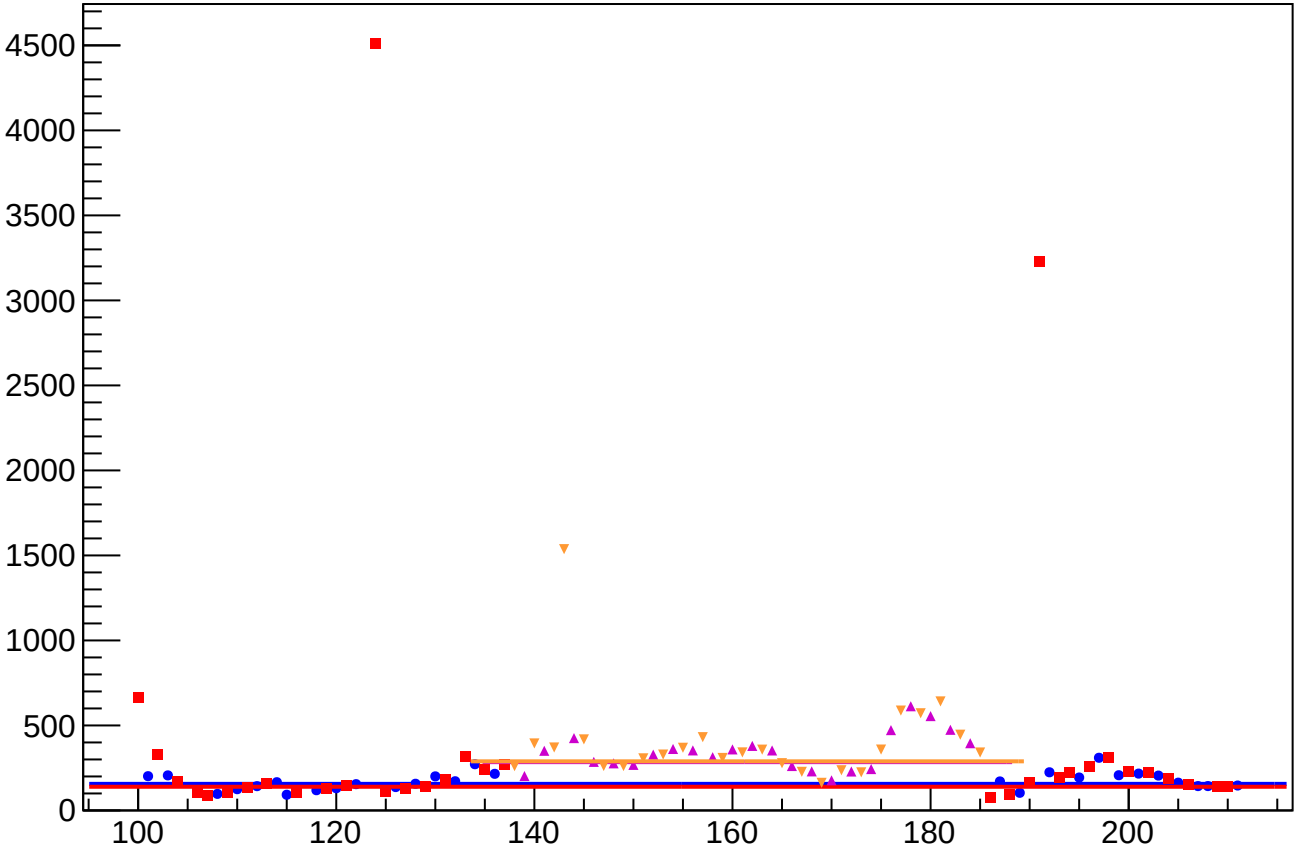
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

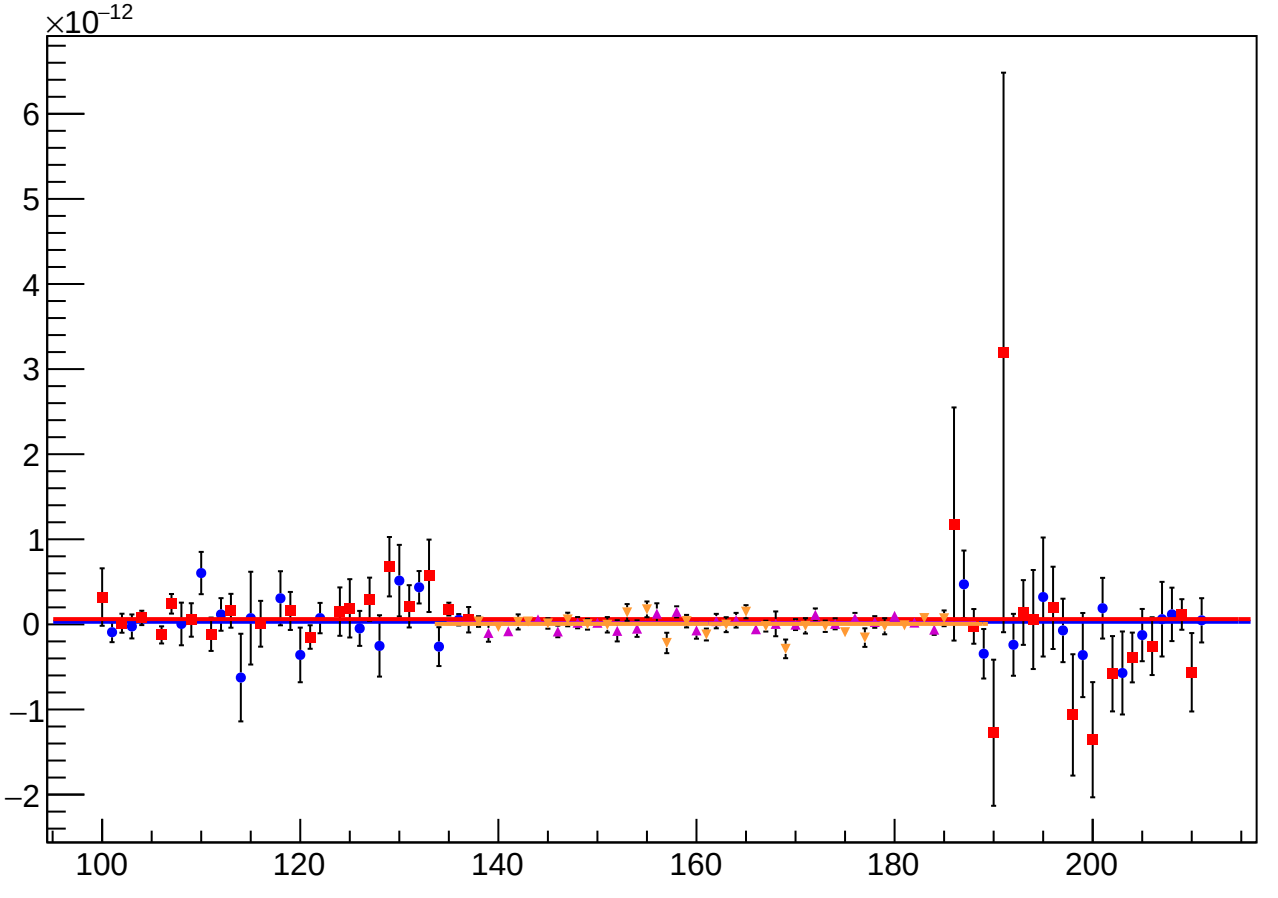
Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

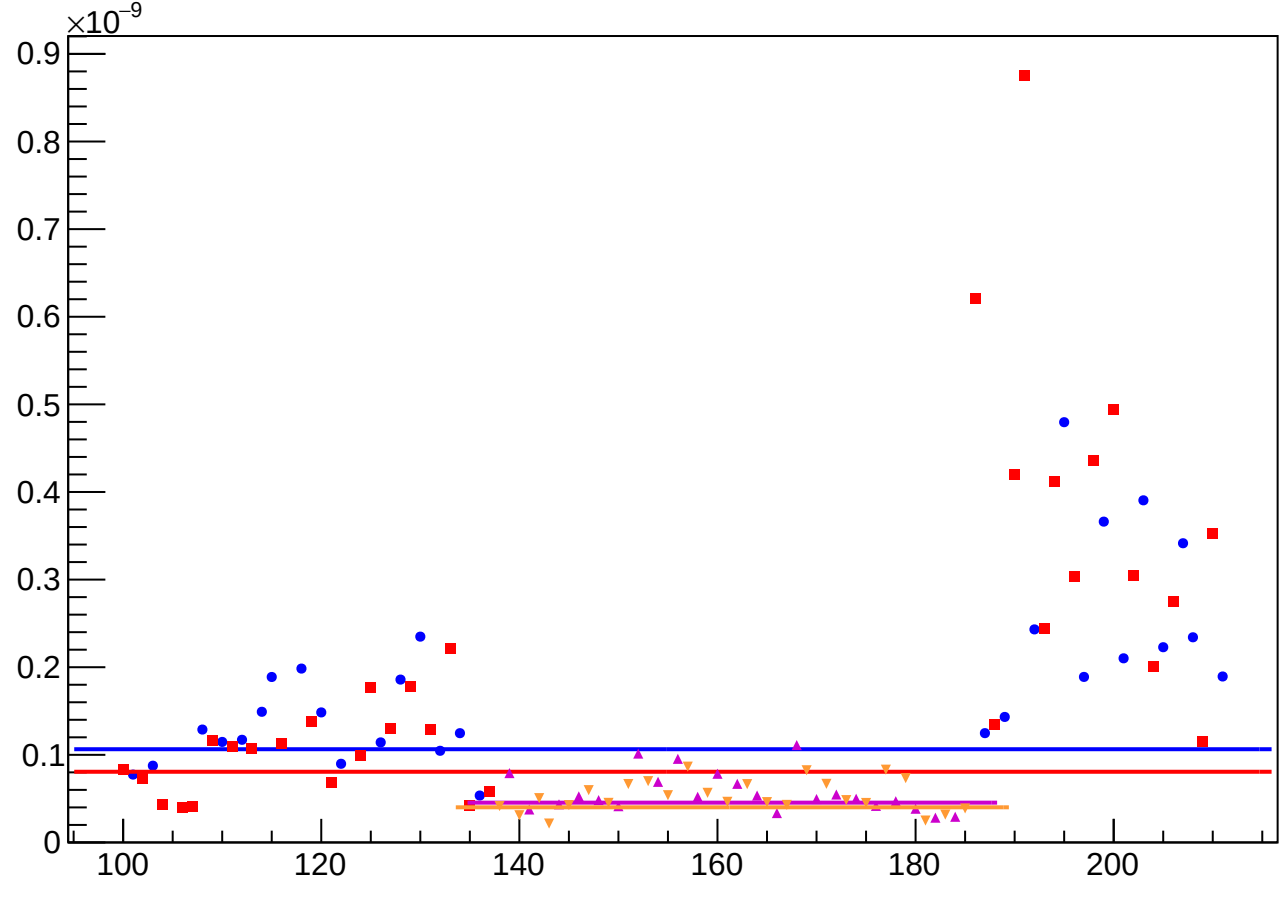
Right: 0.000+/-0.000 χ^2/NDF: 63.0/60

In: 0.000+/-0.000 χ^2/NDF:48.8/50

Out: 0.000+/-0.000 χ^2/NDF:73.9/57

All: 0.000+/-0.000 χ^2/NDF: 122.8/108

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: 5790765.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8402337.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

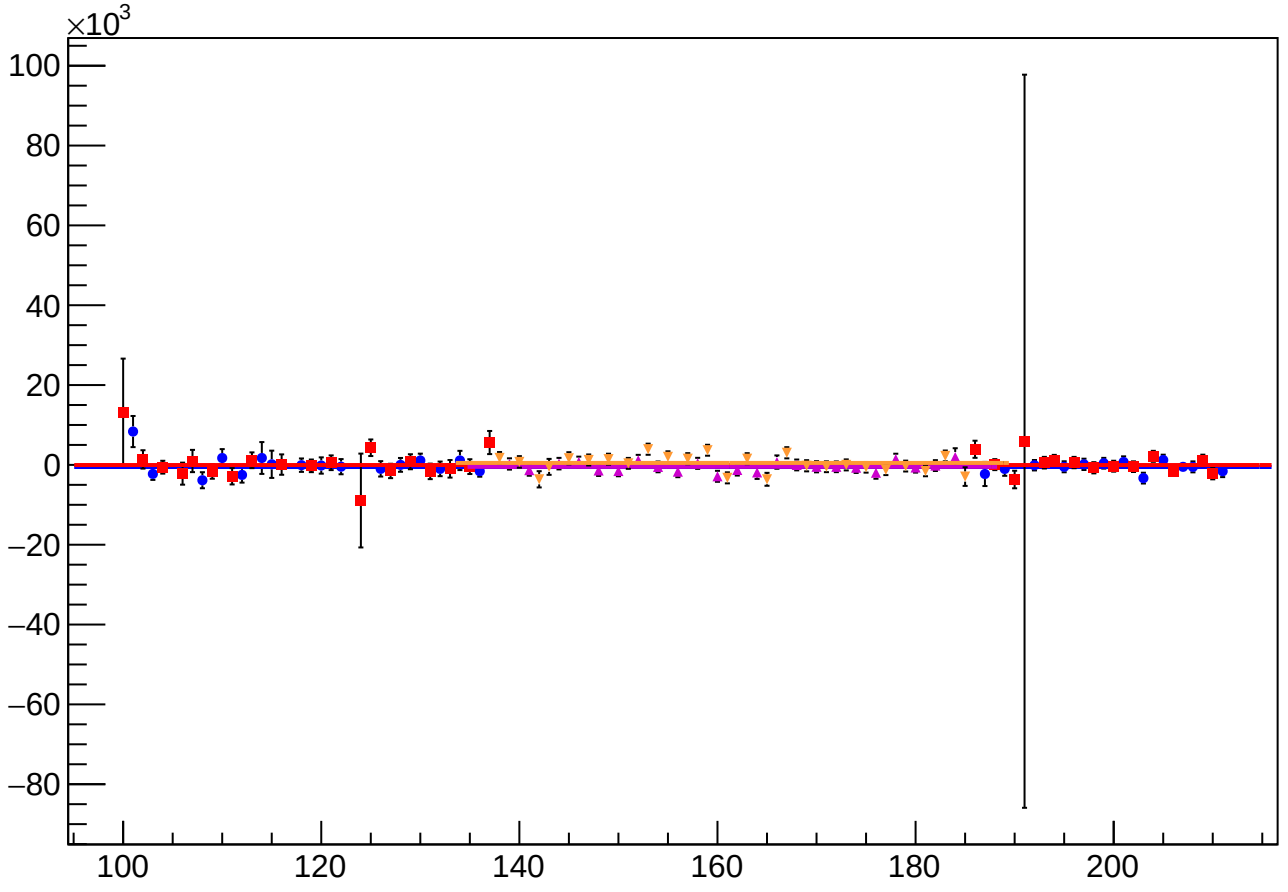
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14700848.1/60

In: 0.000+/-0.000 χ^2/NDF:12823055.8/50

Out: 0.000+/-0.000 χ^2/NDF:14772017.3/57

All: 0.000+/-0.000 χ^2/NDF: 27893985.3/108



Right In: -529.989+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -37.024+/-308.298 χ^2/NDF: 31.1/32

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

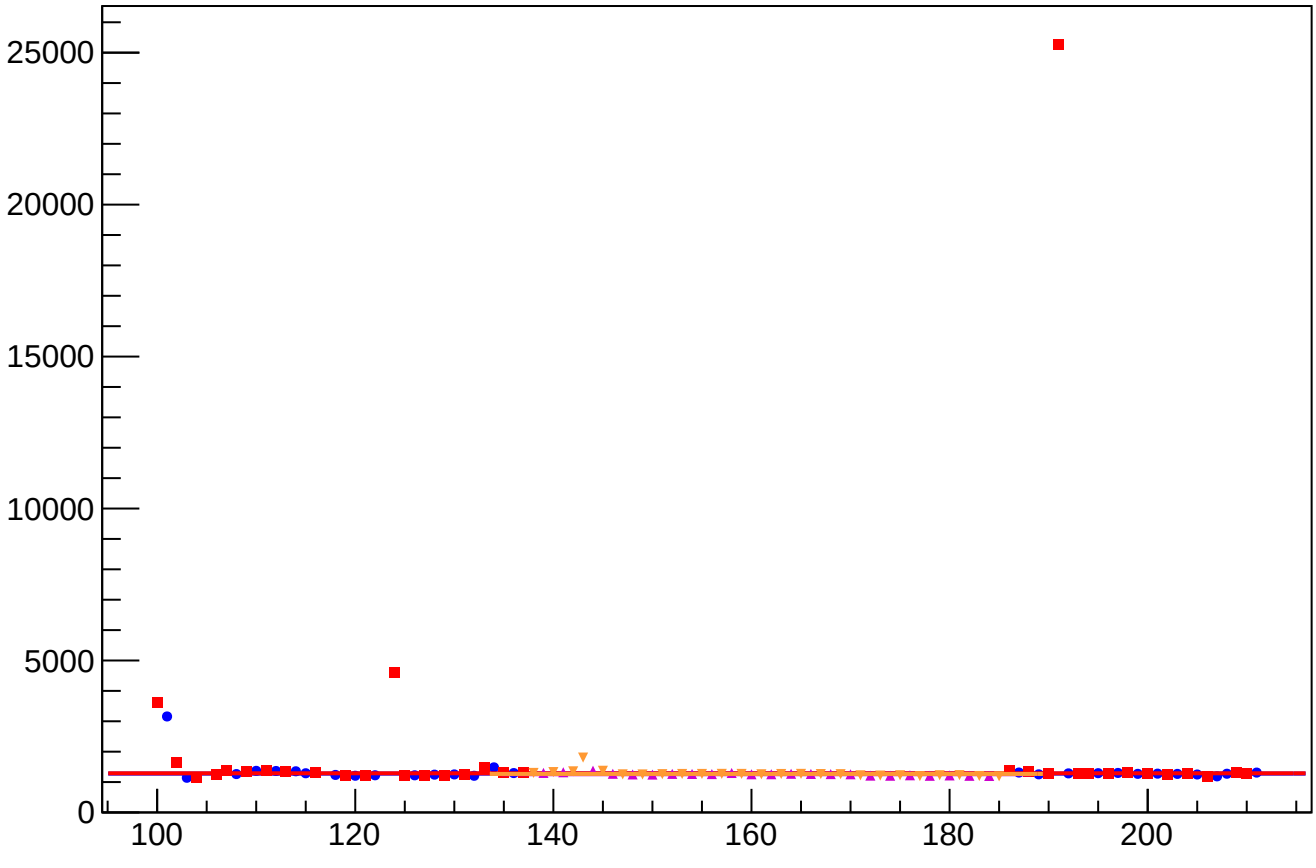
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -277.402+/-220.683 χ^2/NDF: 54.8/60

In: -506.831+/-215.166 χ^2/NDF:36.9/50

Out: 245.056+/-210.650 χ^2/NDF:79.6/57

All: -122.914+/-150.523 χ^2/NDF: 122.7/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529453.2/27

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.715+/-0.218 χ^2/NDF: 482663.4/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

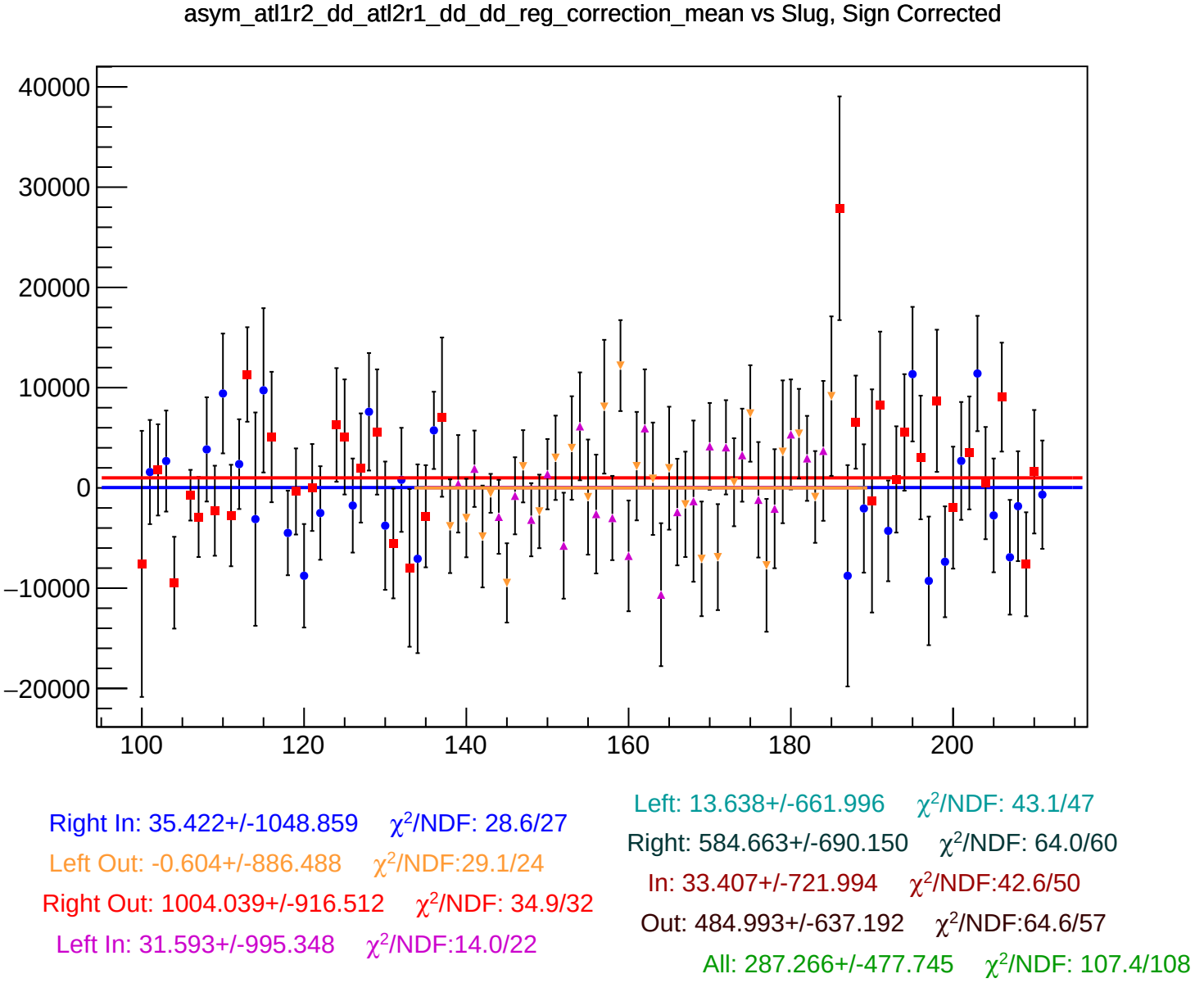
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

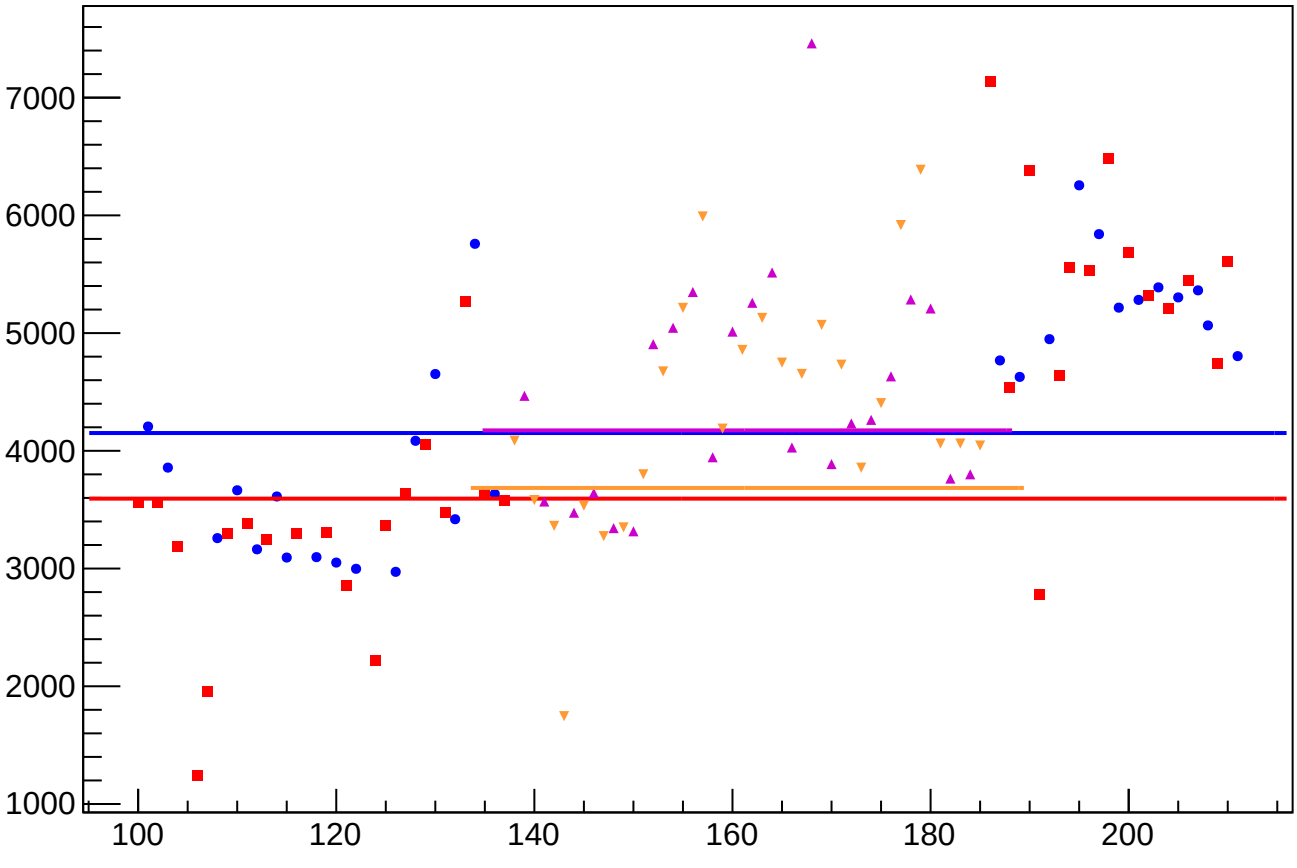
Right: 1283.421+/-0.156 χ^2/NDF: 1013329.8/60

In: 1266.959+/-0.152 χ^2/NDF:570694.5/50

Out: 1277.132+/-0.149 χ^2/NDF:675520.9/57

All: 1272.156+/-0.106 χ^2/NDF: 1248499.2/10


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 35.422+/-1048.859 χ²/NDF: 28.6/27
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1004.039+/-916.512 χ²/NDF: 34.9/32
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 584.663+/-690.150 χ²/NDF: 64.0/60
In: 33.407+/-721.994 χ²/NDF:42.6/50
Out: 484.993+/-637.192 χ²/NDF:64.6/57
All: 287.266+/-477.745 χ²/NDF: 107.4/108



Right In: 4151.149+/-0.742 χ^2/NDF: 1726521.5/27

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3593.907+/-0.648 χ^2/NDF: 4807343.5/32

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

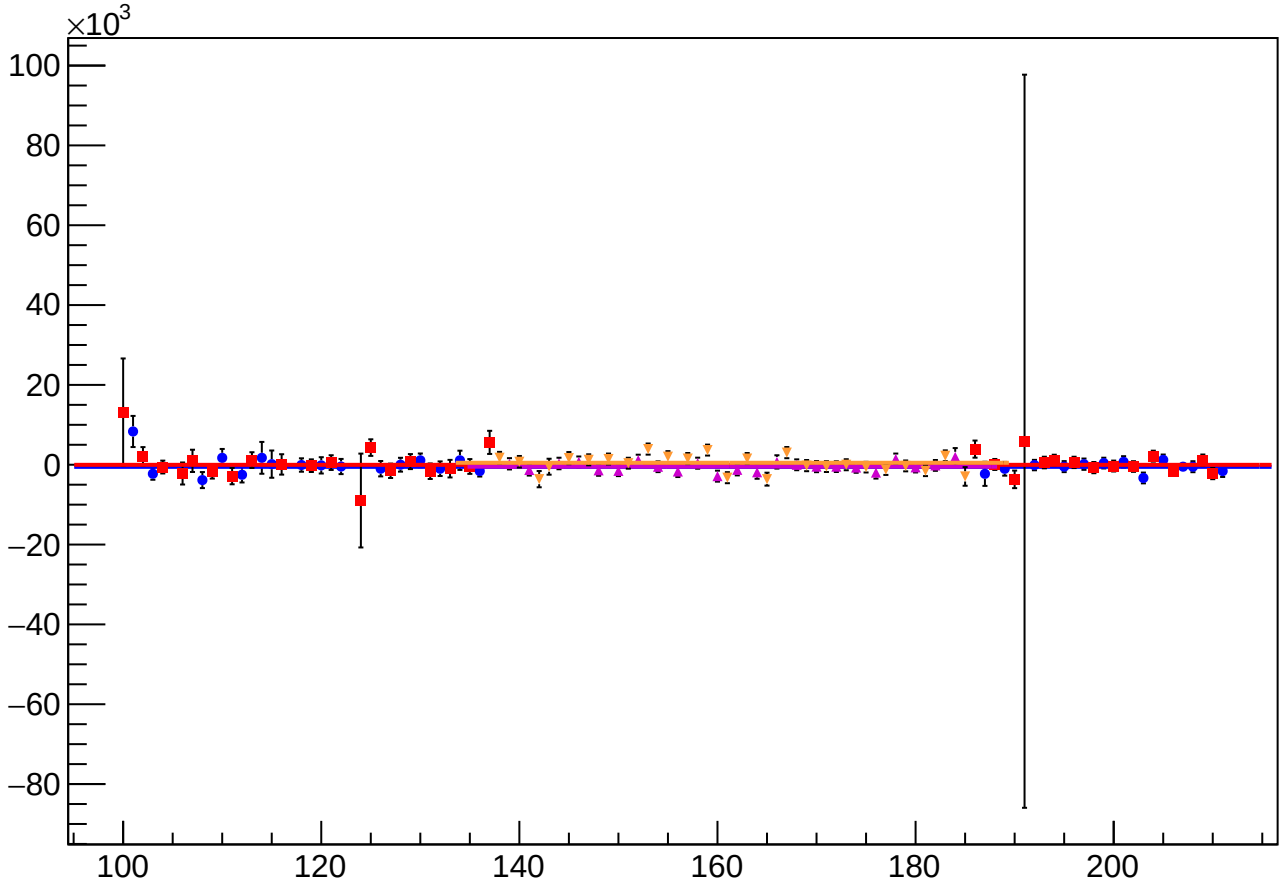
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3835.173+/-0.488 χ^2/NDF: 6853971.1/60

In: 4162.939+/-0.511 χ^2/NDF:3001970.1/50

Out: 3640.850+/-0.451 χ^2/NDF:8511145.8/57

All: 3869.447+/-0.338 χ^2/NDF: 12101015.9/1



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

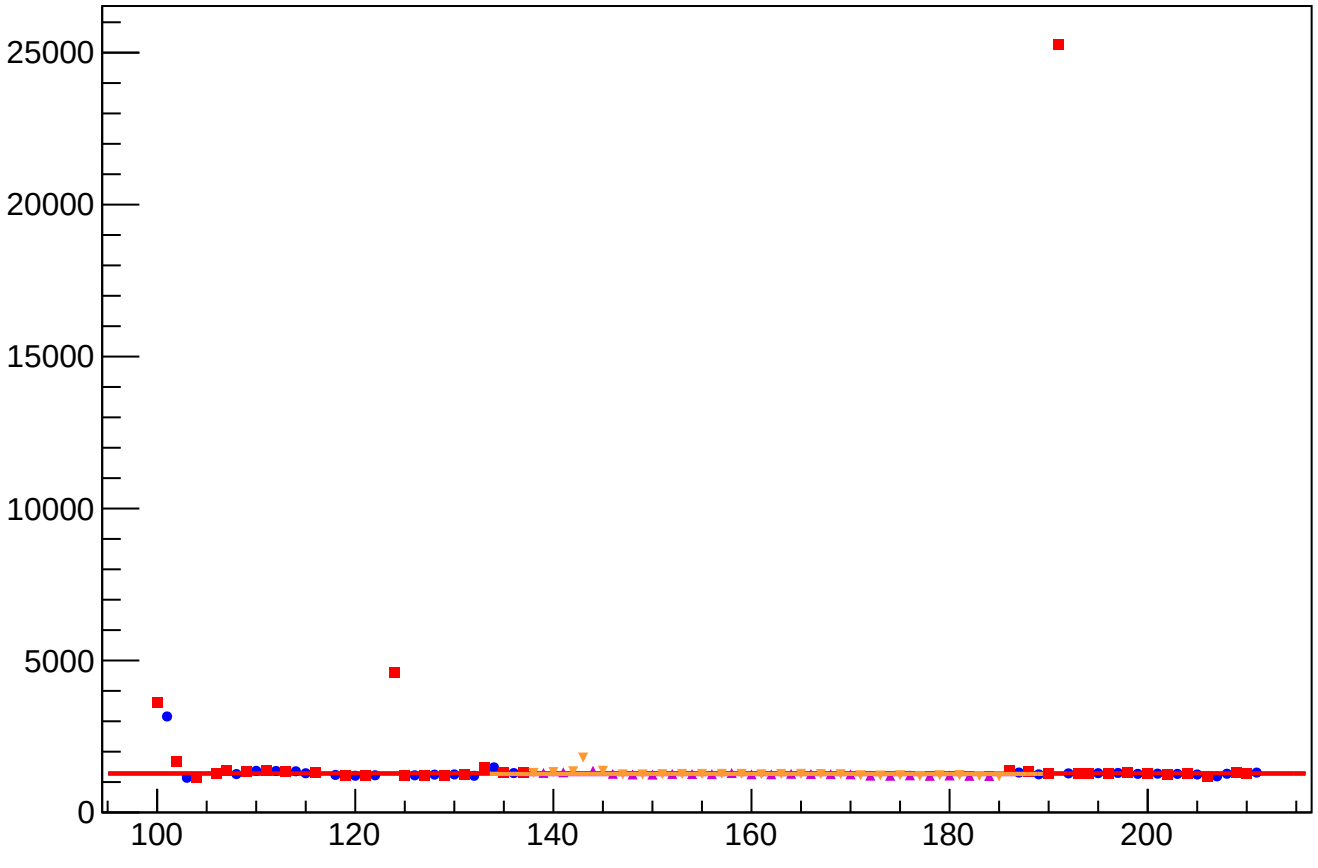
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

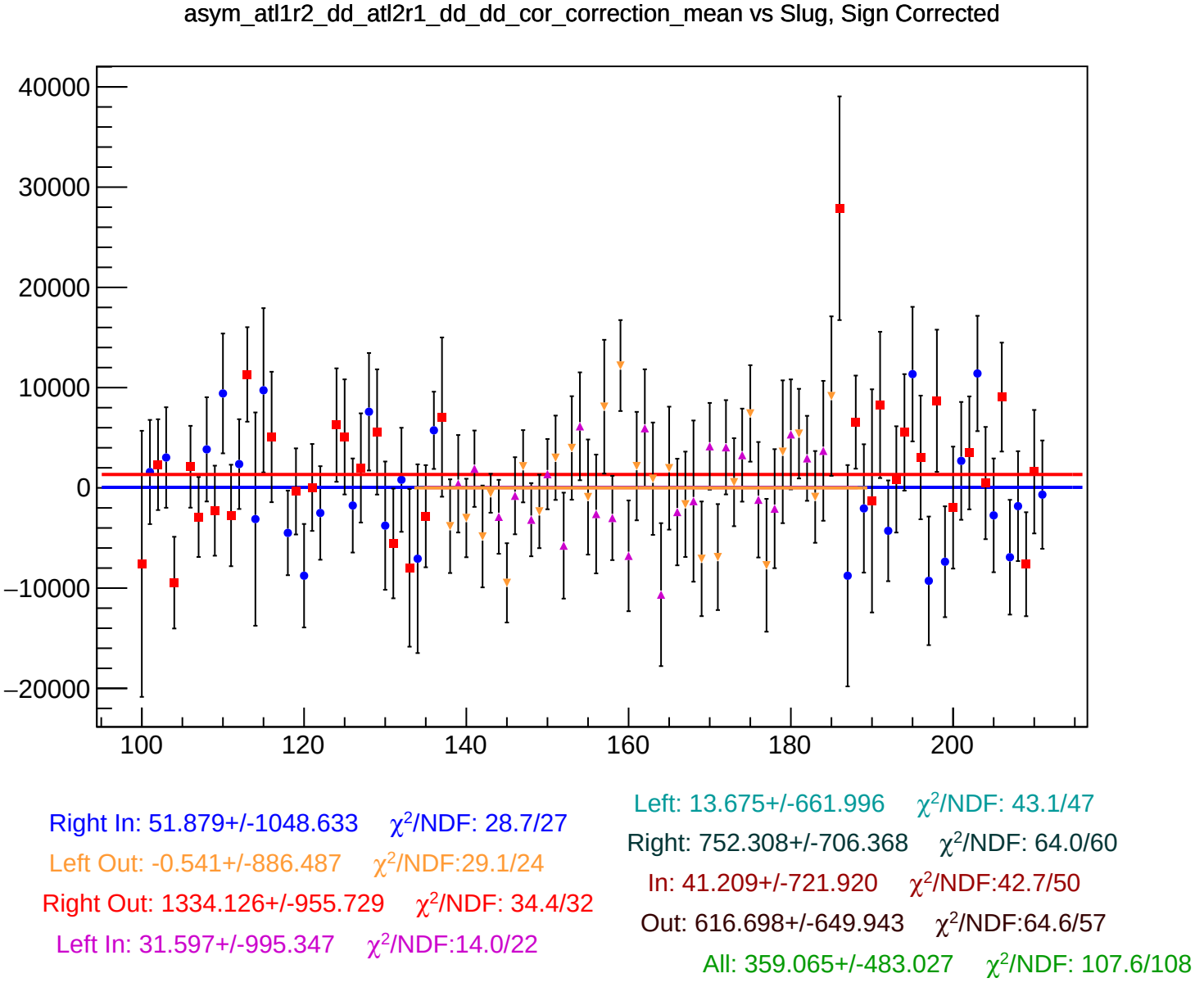
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

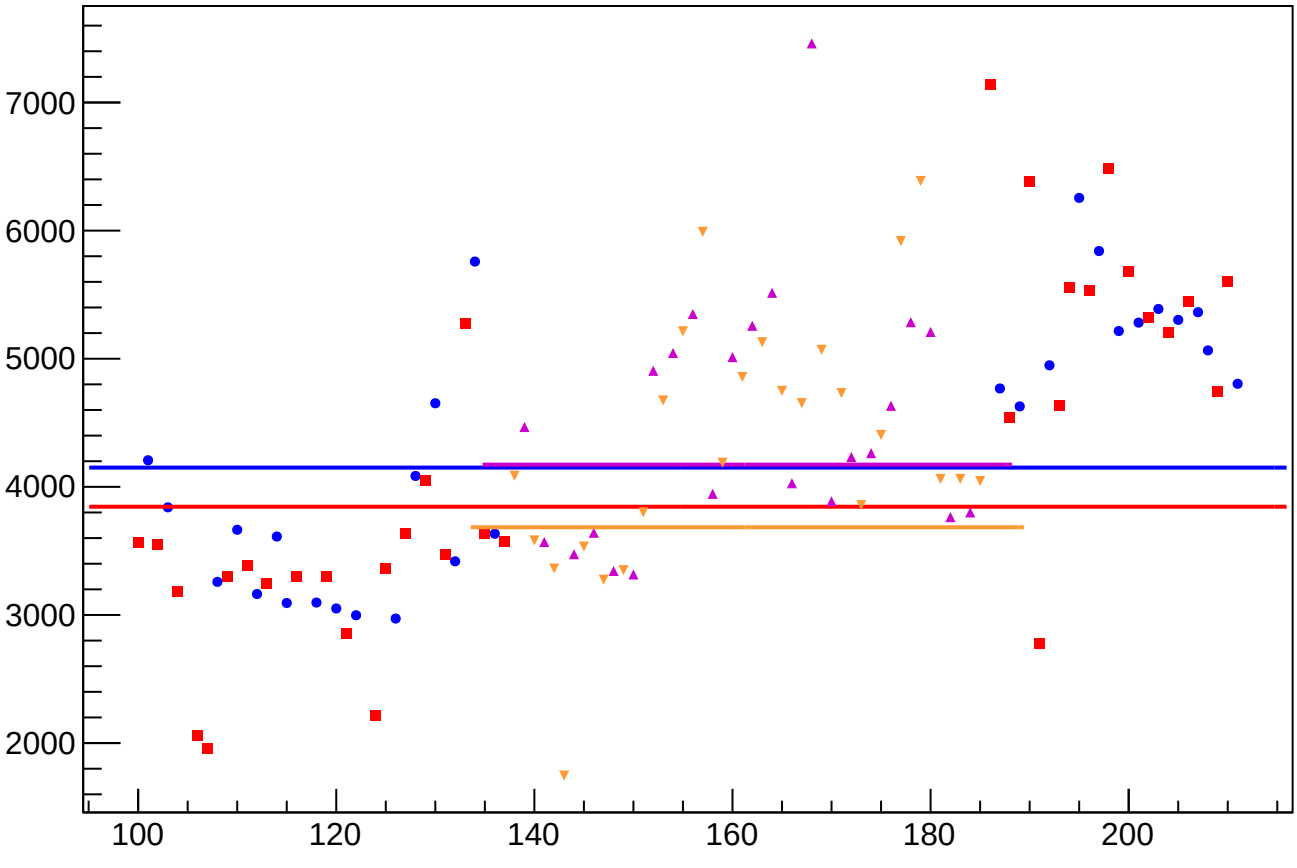
Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

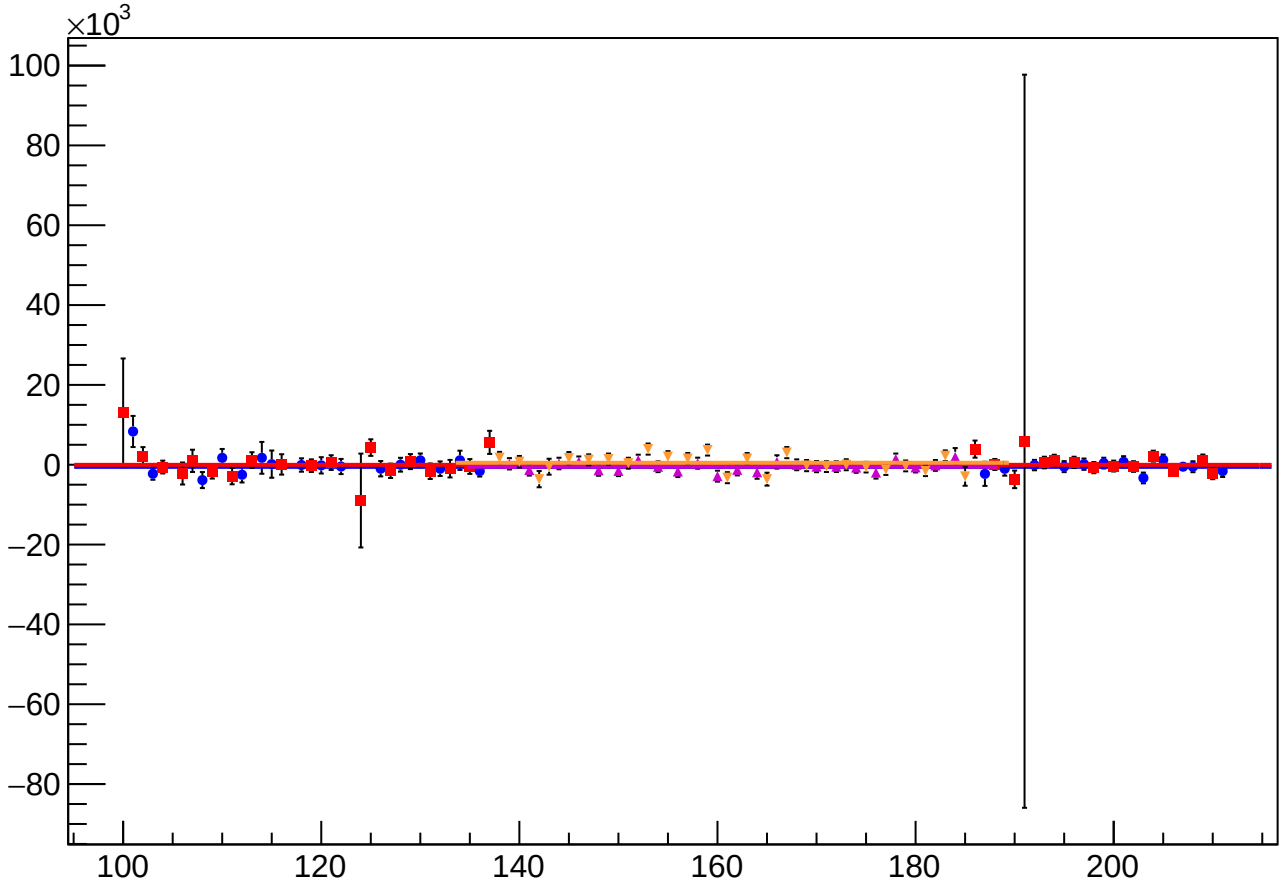
In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 51.879+/-1048.633 χ²/NDF: 28.7/27
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1334.126+/-955.729 χ²/NDF: 34.4/32
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 752.308+/-706.368 χ²/NDF: 64.0/60
In: 41.209+/-721.920 χ²/NDF:42.7/50
Out: 616.698+/-649.943 χ²/NDF:64.6/57
All: 359.065+/-483.027 χ²/NDF: 107.6/108


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: 4150.300+/-0.741 χ²/NDF: 1727441.7/27
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3844.885+/-0.676 χ²/NDF: 3222064.1/32
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3983.466+/-0.499 χ²/NDF: 5042179.4/60
In: 4162.531+/-0.510 χ²/NDF:3002926.3/50
Out: 3758.813+/-0.460 χ²/NDF:6945928.1/57
All: 3939.548+/-0.342 χ²/NDF: 10294316.0/



Right In: -530.114+/-316.031 χ^2/NDF: 22.4/27

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -25.432+/-308.380 χ^2/NDF: 31.6/32

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

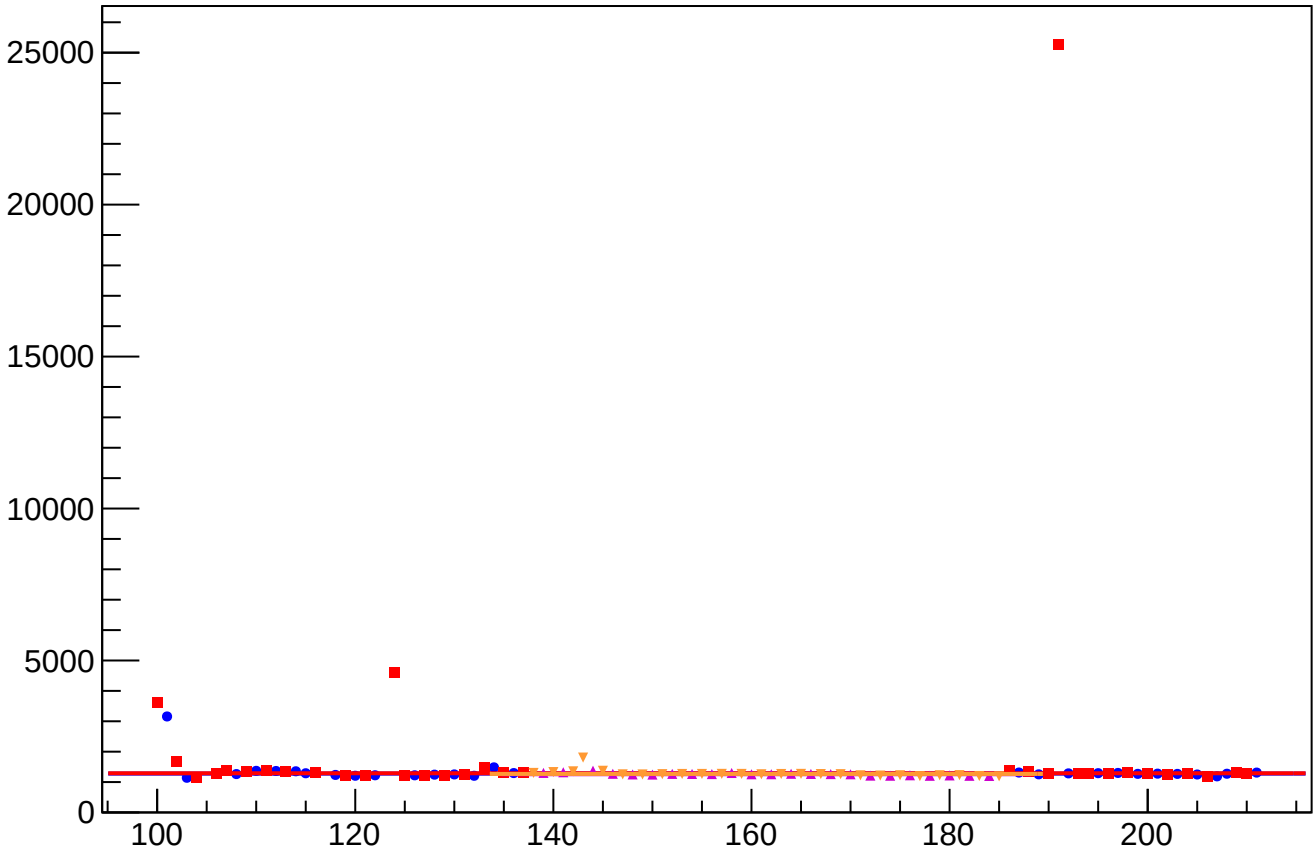
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -271.590+/-220.713 χ^2/NDF: 55.3/60

In: -506.835+/-215.166 χ^2/NDF:36.8/50

Out: 250.545+/-210.676 χ^2/NDF:80.0/57

All: -120.160+/-150.533 χ^2/NDF: 123.1/108



Right In: 1277.847+/-0.223 χ^2/NDF: 529454.6/27

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.515+/-0.218 χ^2/NDF: 489554.9/32

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

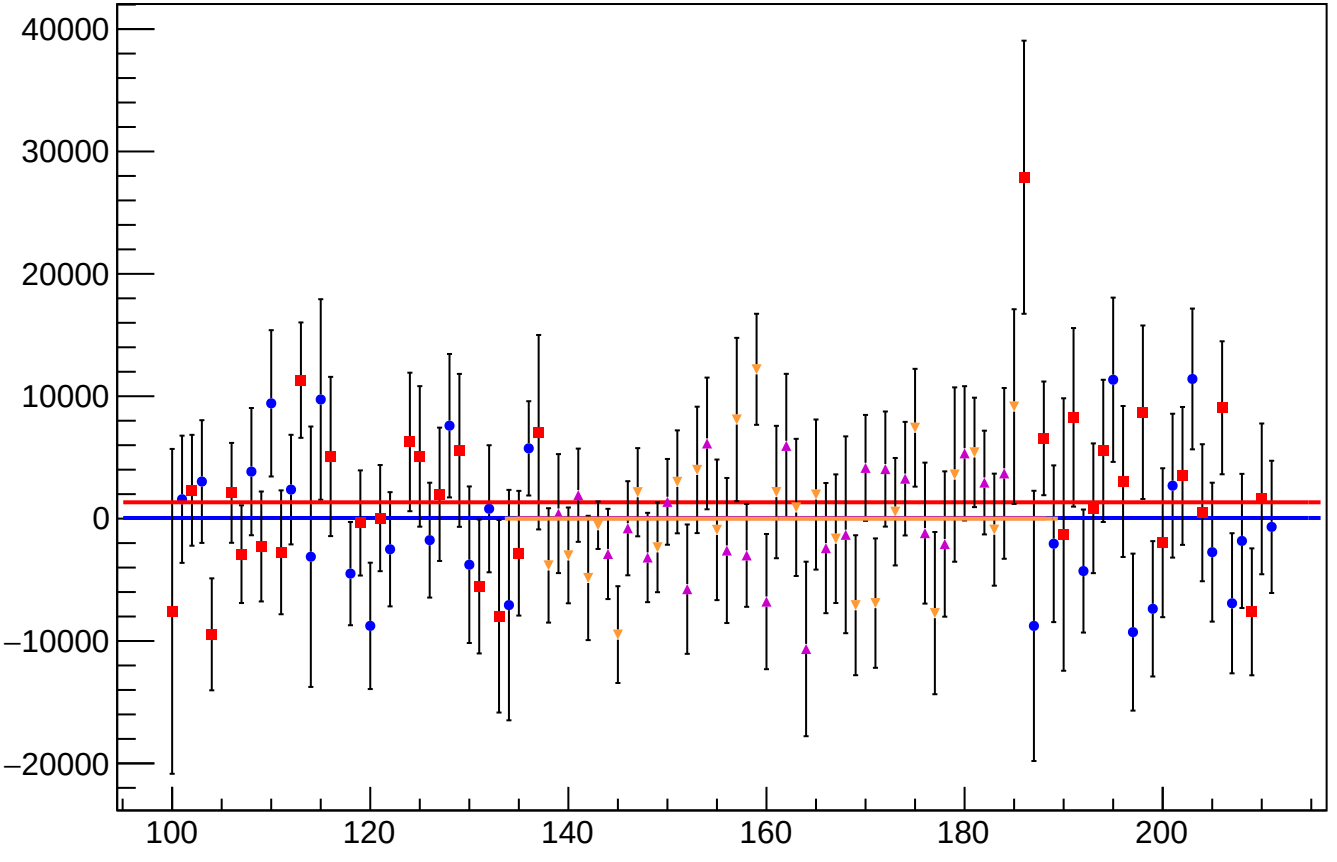
Right: 1283.828+/-0.156 χ^2/NDF: 1020407.1/60

In: 1266.959+/-0.152 χ^2/NDF:570695.9/50

Out: 1277.499+/-0.149 χ^2/NDF:682806.9/57

All: 1272.342+/-0.106 χ^2/NDF: 1255953.9/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 51.879+/-1048.633 χ^2/NDF: 28.7/27

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1334.126+/-955.729 χ^2/NDF: 34.4/32

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

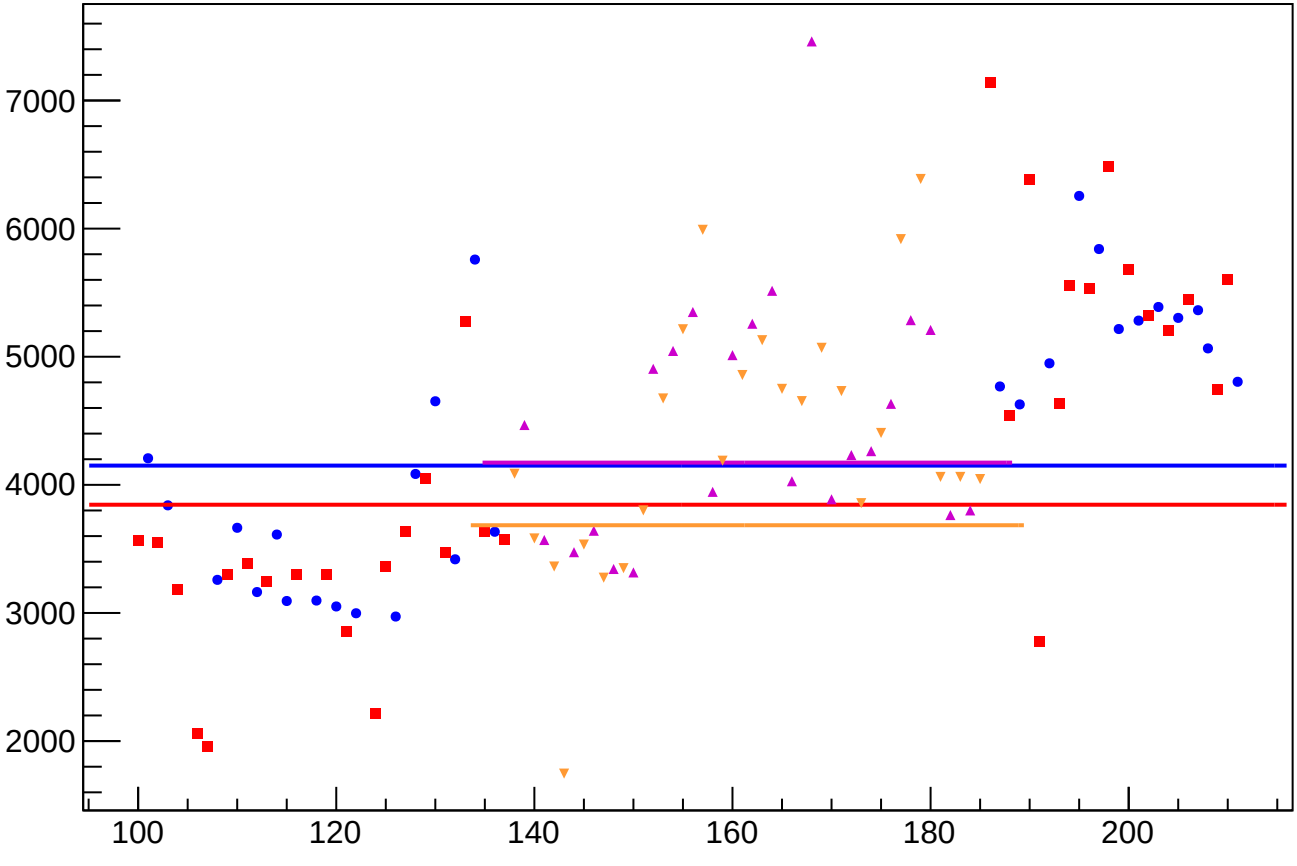
Right: 752.308+/-706.368 χ^2/NDF: 64.0/60

In: 41.209+/-721.920 χ^2/NDF:42.7/50

Out: 616.698+/-649.943 χ^2/NDF:64.6/57

All: 359.065+/-483.027 χ^2/NDF: 107.6/108

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4150.300+/-0.741 χ^2/NDF: 1727441.7/27

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3844.885+/-0.676 χ^2/NDF: 3222064.1/32

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

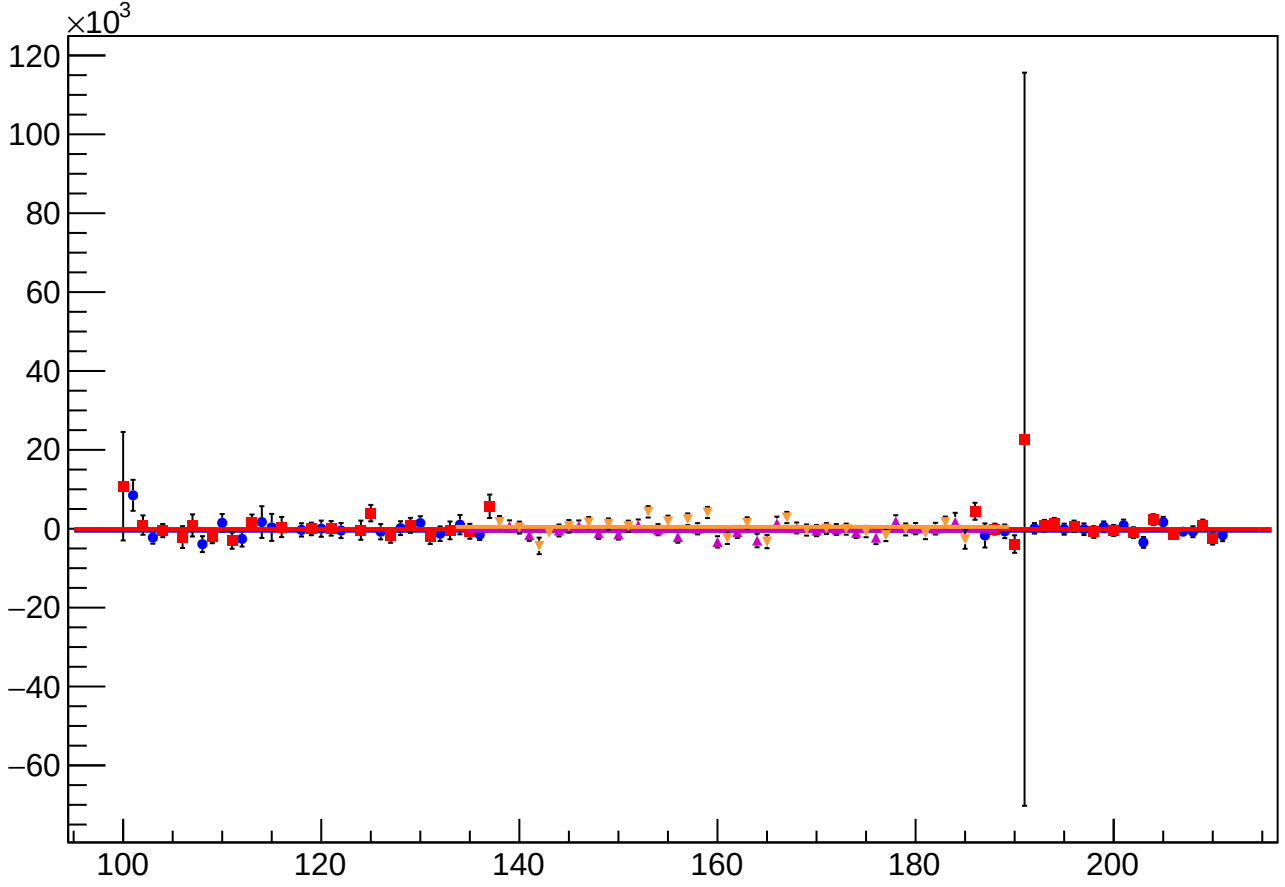
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3983.466+/-0.499 χ^2/NDF: 5042179.4/60

In: 4162.531+/-0.510 χ^2/NDF:3002926.3/50

Out: 3758.813+/-0.460 χ^2/NDF:6945928.1/57

All: 3939.548+/-0.342 χ^2/NDF: 10294316.0/1



Right In: -494.200+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.986+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

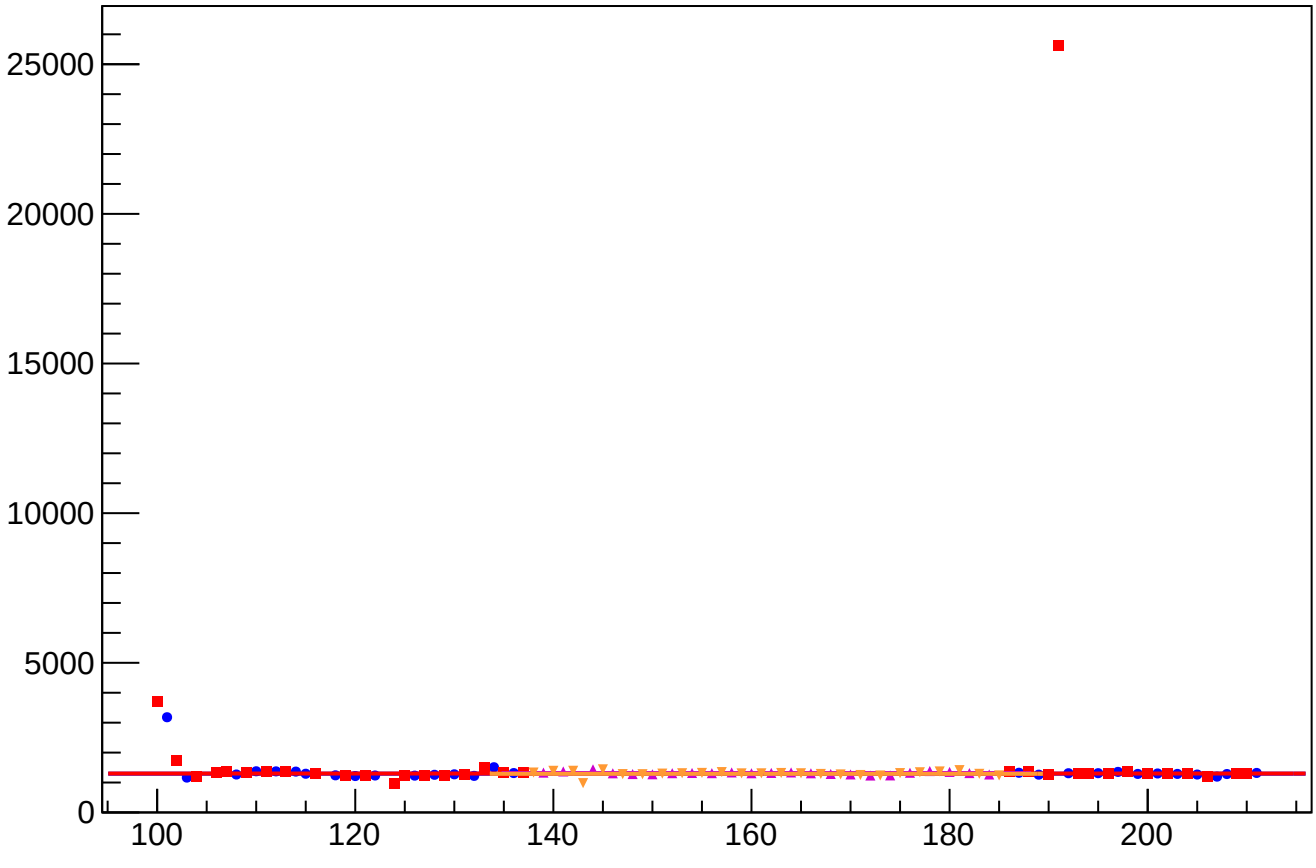
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.077+/-221.669 χ^2/NDF:41.3/50

Out: 209.327+/-213.648 χ^2/NDF:78.4/57

All: -131.827+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.3/27

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.1/32

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

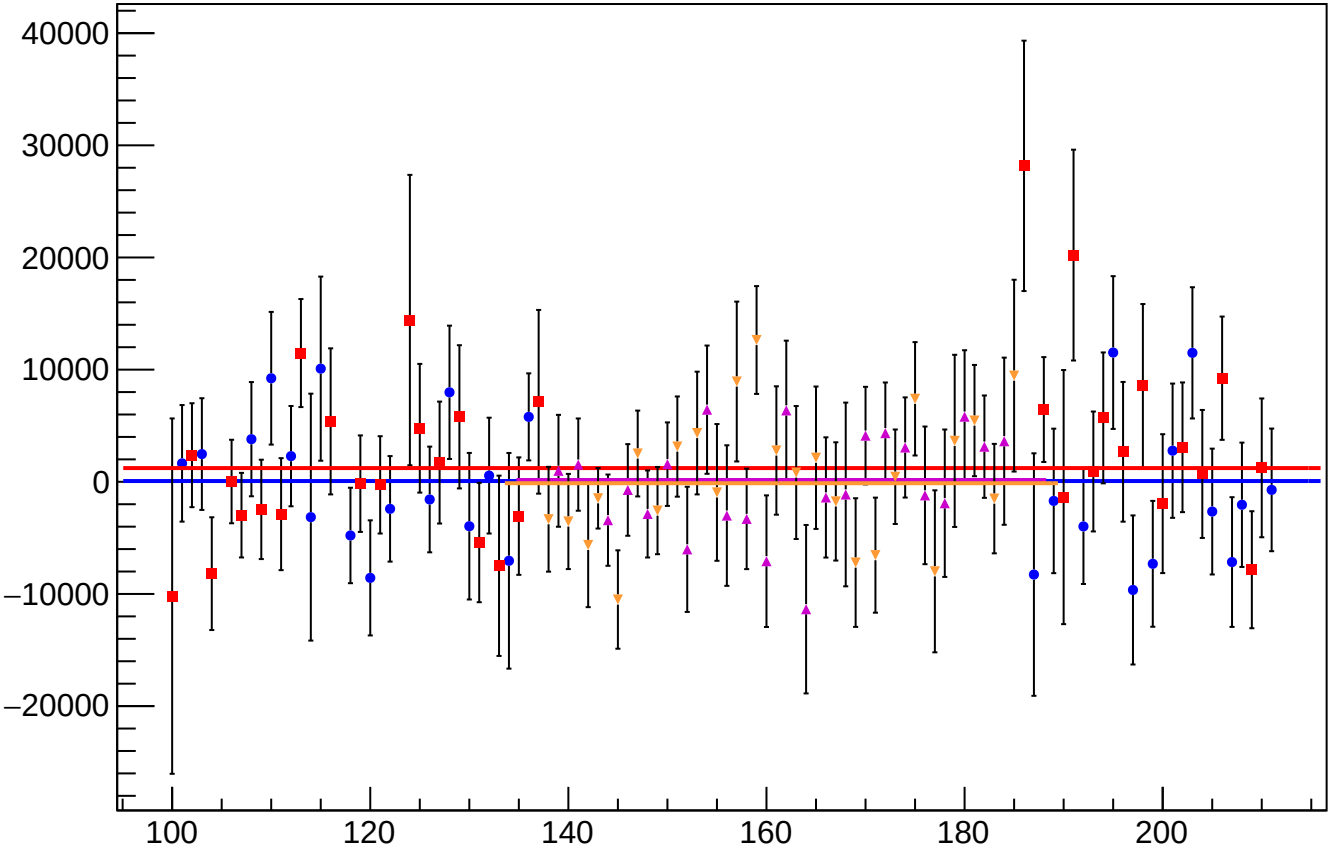
Right: 1297.928+/-0.158 χ^2/NDF: 908106.4/60

In: 1304.976+/-0.157 χ^2/NDF:576199.9/50

Out: 1295.624+/-0.151 χ^2/NDF:609957.2/57

All: 1300.127+/-0.109 χ^2/NDF: 1188003.1/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.732+/-1054.754 χ^2/NDF: 28.5/27

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1222.828+/-971.813 χ^2/NDF: 36.2/32

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

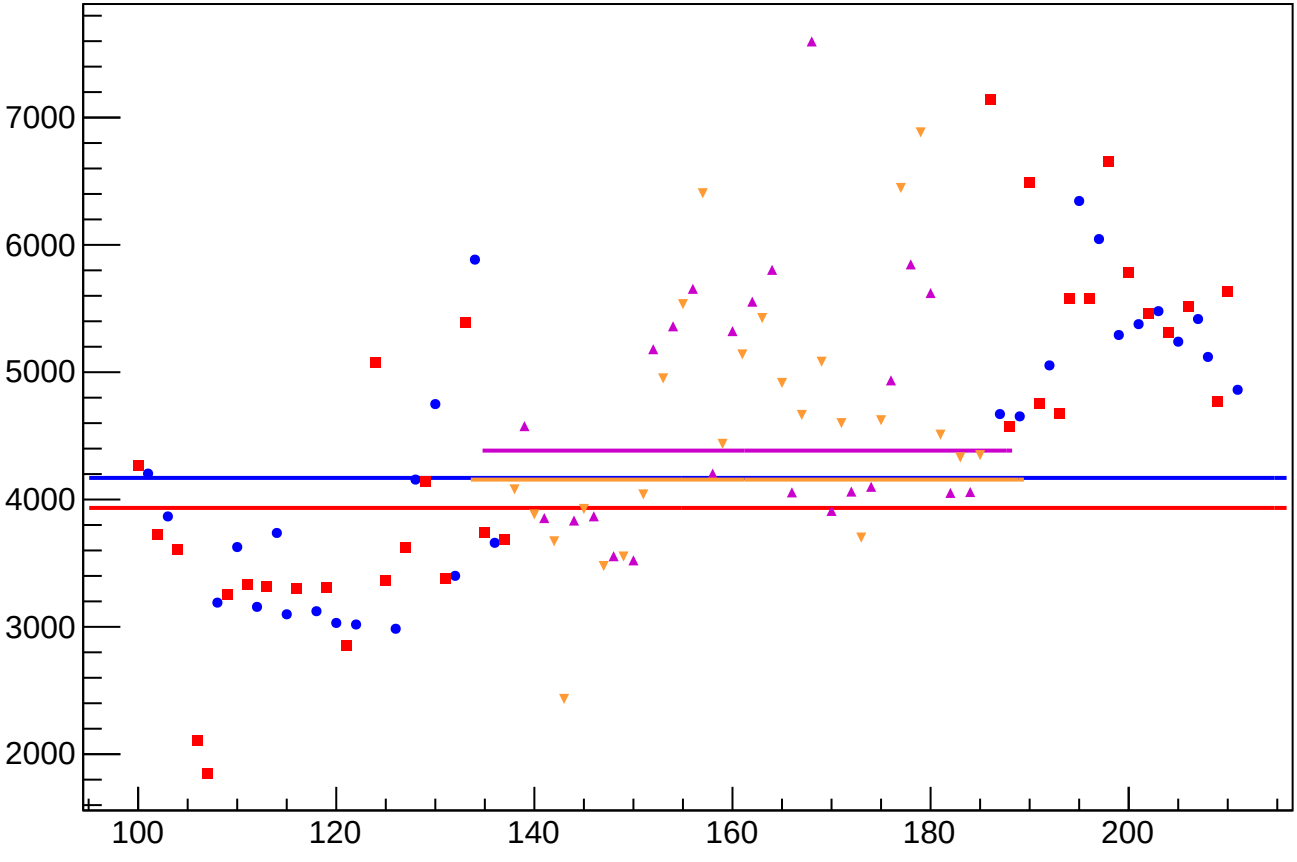
Right: 692.476+/-714.701 χ^2/NDF: 65.3/60

In: 113.996+/-742.534 χ^2/NDF:42.3/50

Out: 551.531+/-689.083 χ^2/NDF:65.7/57

All: 349.076+/-505.095 χ^2/NDF: 108.2/108

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4169.835+/-0.746 χ^2/NDF: 1818523.2/27

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3934.090+/-0.687 χ^2/NDF: 3271126.2/32

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

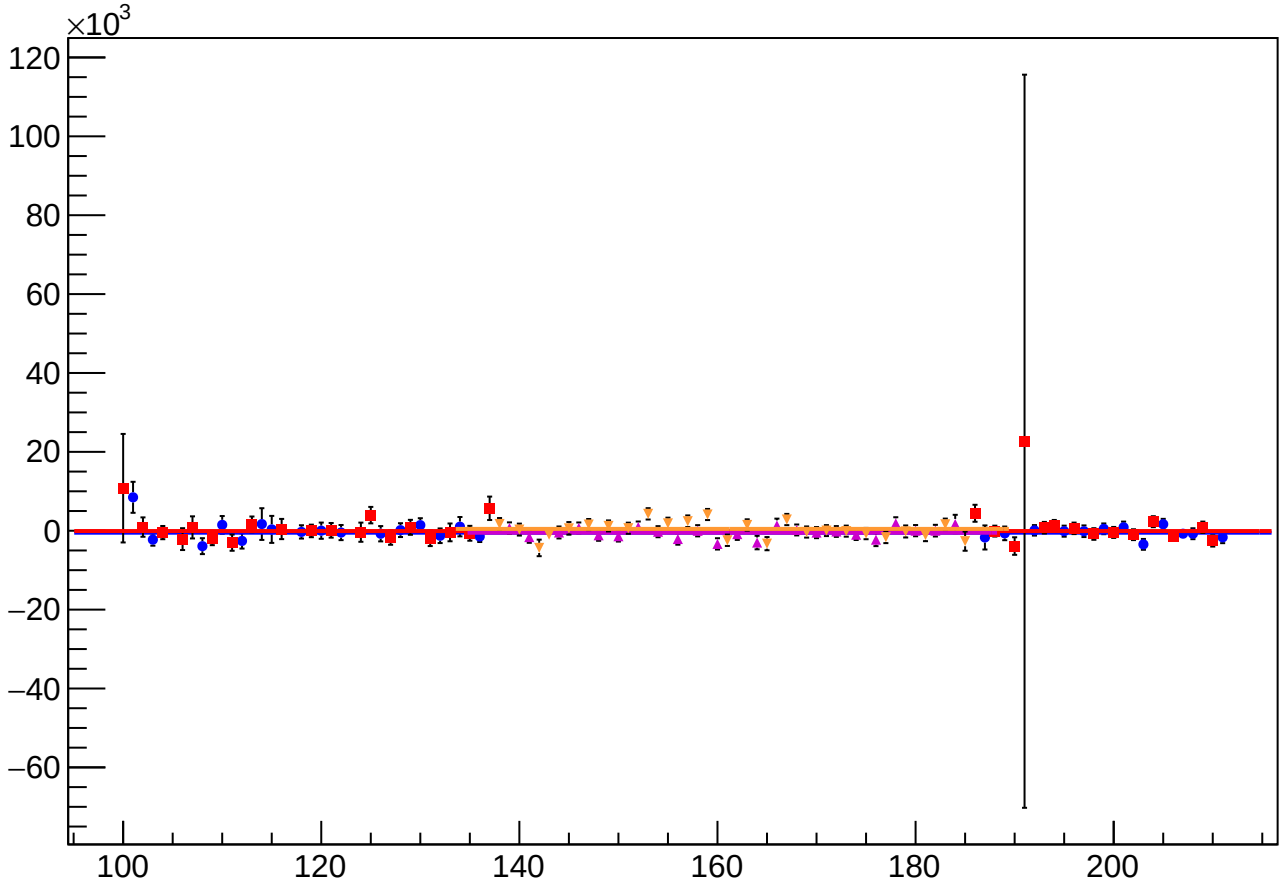
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4042.330+/-0.505 χ^2/NDF: 5143687.0/60

In: 4278.023+/-0.525 χ^2/NDF:3115710.7/50

Out: 4044.717+/-0.487 χ^2/NDF:5404016.8/57

All: 4152.671+/-0.357 χ^2/NDF: 8625811.9/10



Right In: -494.201+/-320.342 χ^2/NDF: 23.9/27

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -78.987+/-310.702 χ^2/NDF: 32.7/32

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

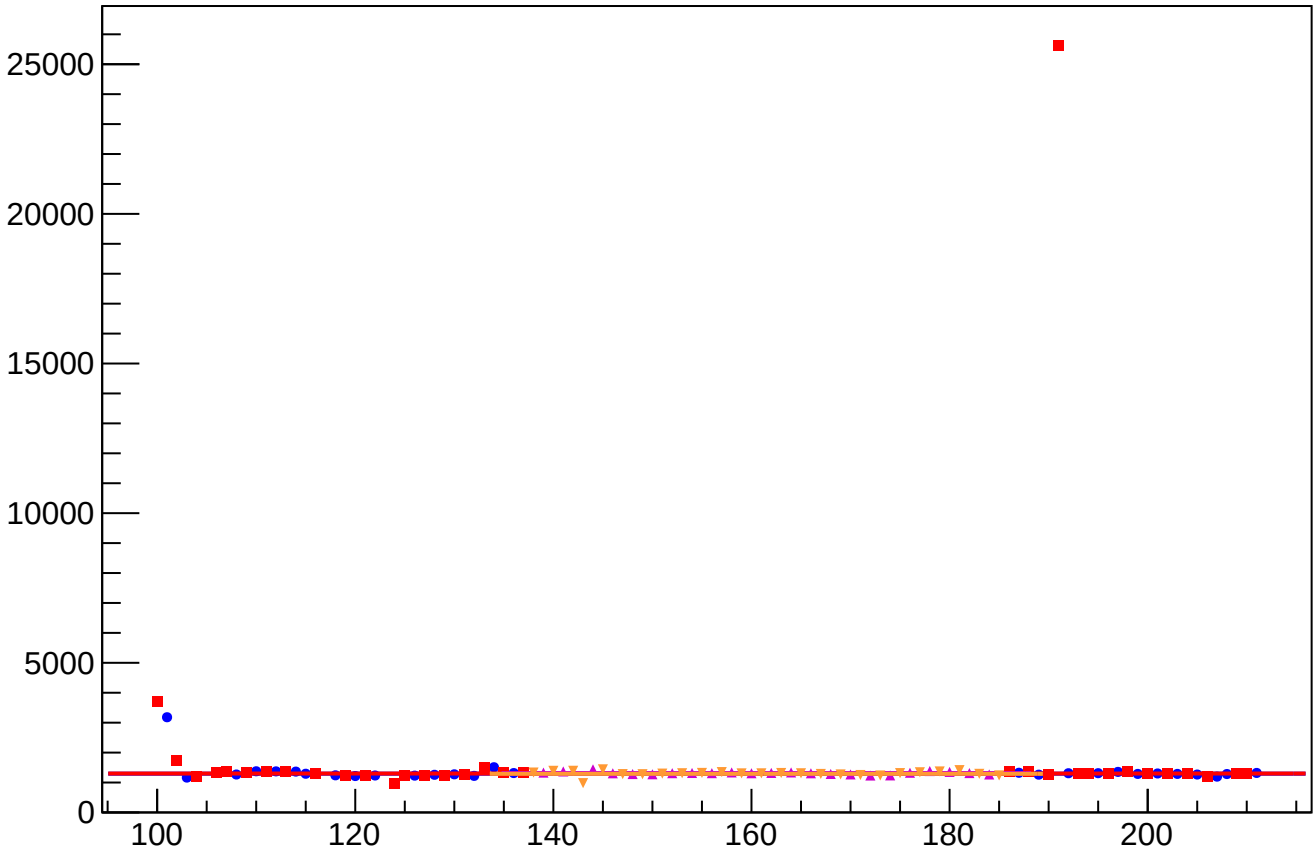
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -280.252+/-223.030 χ^2/NDF: 57.5/60

In: -499.078+/-221.669 χ^2/NDF:41.3/50

Out: 209.329+/-213.648 χ^2/NDF:78.4/57

All: -131.826+/-153.830 χ^2/NDF: 125.0/108



Right In: 1295.148+/-0.227 χ^2/NDF: 529543.4/27

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.541+/-0.220 χ^2/NDF: 378271.2/32

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

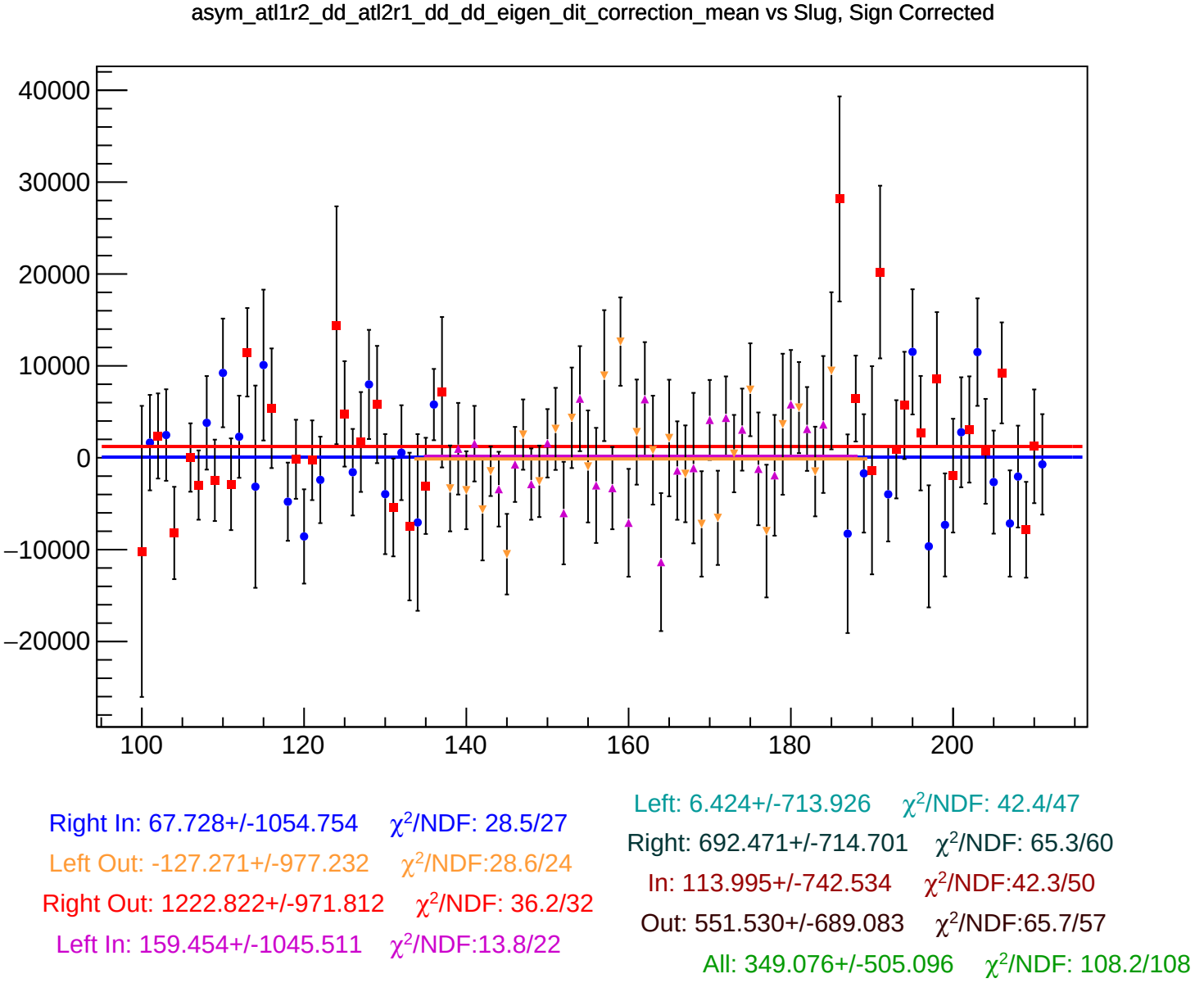
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.928+/-0.158 χ^2/NDF: 908106.7/60

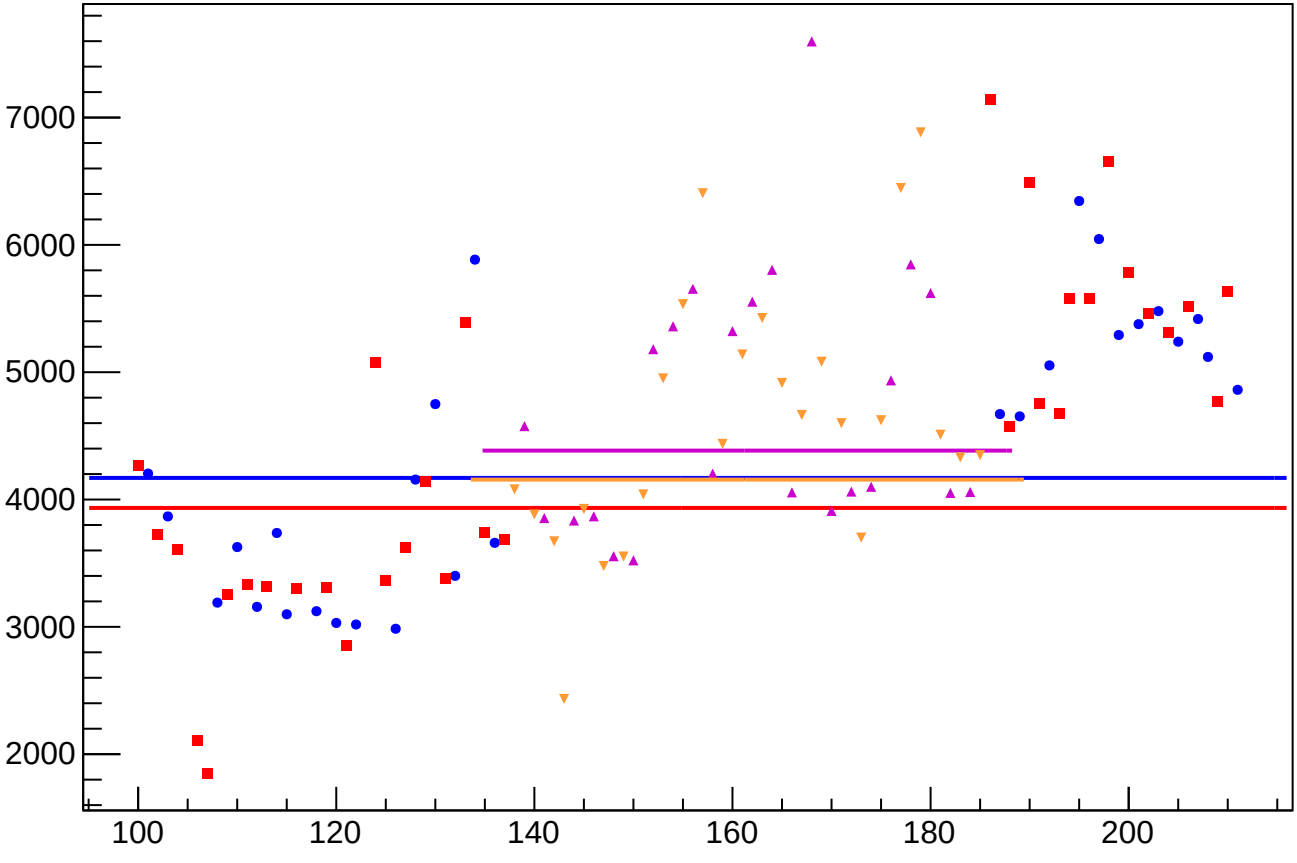
In: 1304.977+/-0.157 χ^2/NDF:576202.7/50

Out: 1295.624+/-0.151 χ^2/NDF:609959.5/57

All: 1300.128+/-0.109 χ^2/NDF: 1188008.2/10


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 67.728+/-1054.754 χ²/NDF: 28.5/27
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 1222.822+/-971.812 χ²/NDF: 36.2/32
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 692.471+/-714.701 χ²/NDF: 65.3/60
In: 113.995+/-742.534 χ²/NDF:42.3/50
Out: 551.530+/-689.083 χ²/NDF:65.7/57
All: 349.076+/-505.096 χ²/NDF: 108.2/108

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4169.829+/-0.746 χ^2/NDF: 1818556.6/27

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3934.084+/-0.687 χ^2/NDF: 3271158.9/32

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

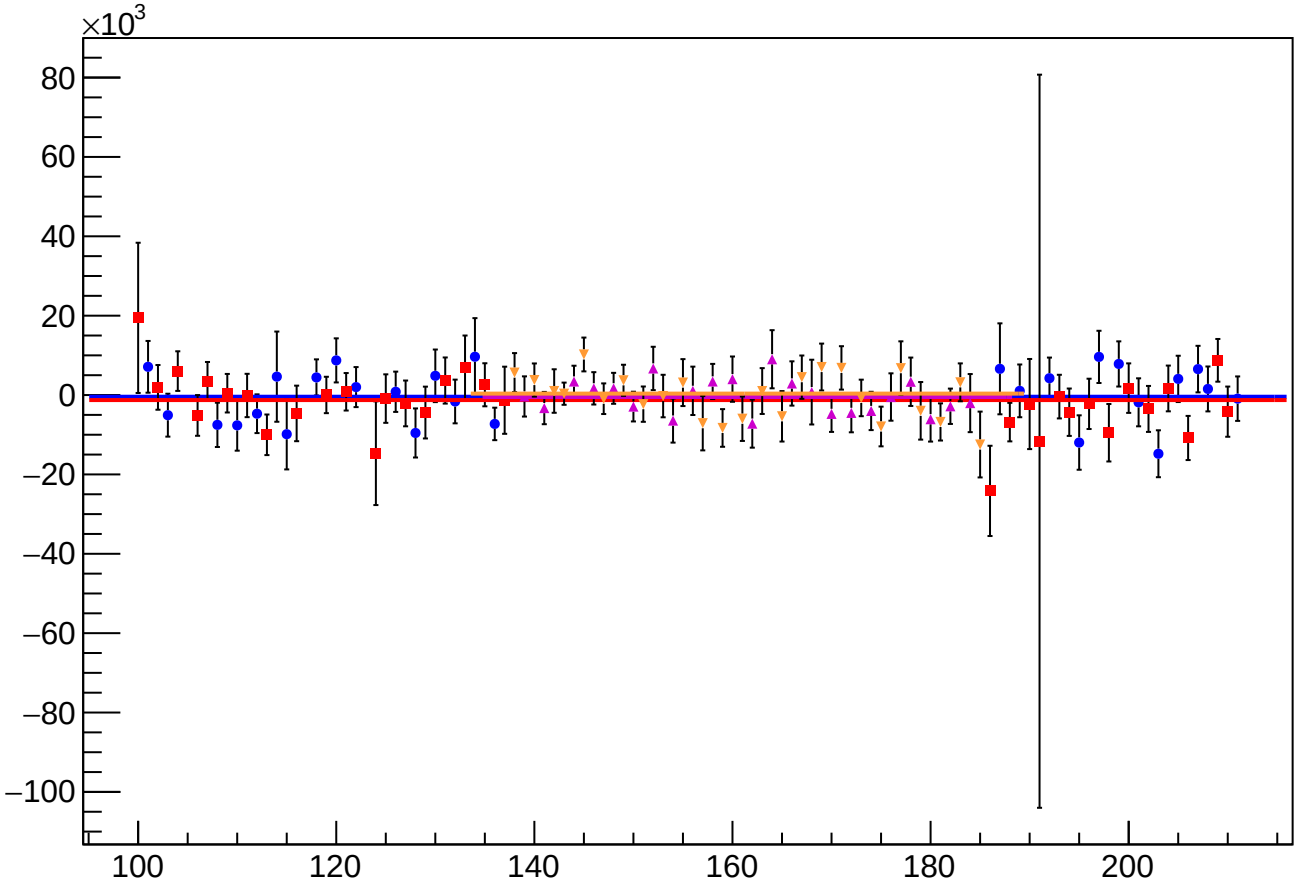
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4042.324+/-0.505 χ^2/NDF: 5143753.5/60

In: 4278.023+/-0.525 χ^2/NDF:3115753.0/50

Out: 4044.717+/-0.487 χ^2/NDF:5404058.2/57

All: 4152.672+/-0.357 χ^2/NDF: 8625896.0/10



Right In: -423.478+/-1112.469 χ^2/NDF: 34.6/27

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1265.657+/-1053.627 χ^2/NDF: 26.5/32

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

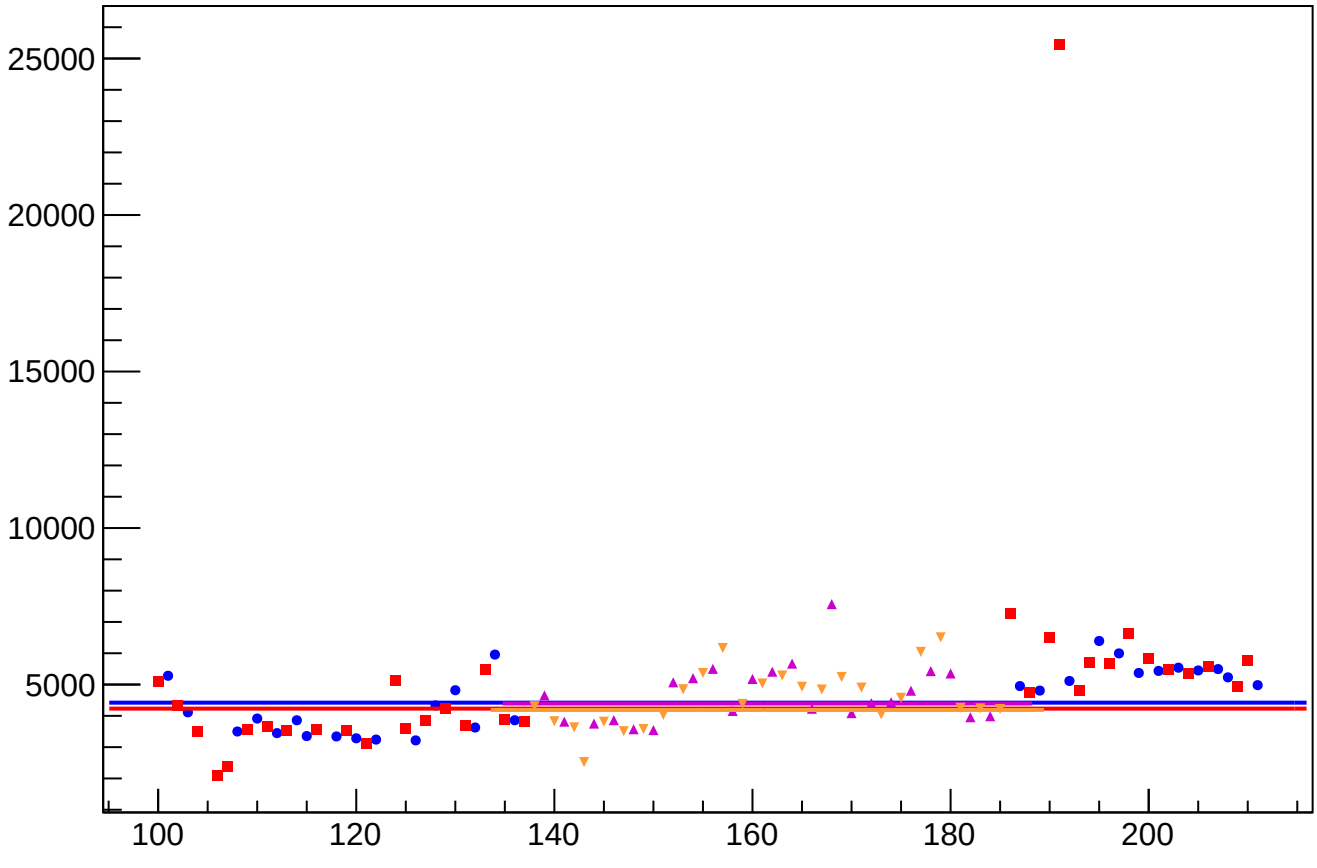
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -867.428+/-764.983 χ^2/NDF: 61.4/60

In: -462.824+/-761.548 χ^2/NDF:48.4/50

Out: -392.578+/-717.528 χ^2/NDF:55.5/57

All: -425.612+/-522.238 χ^2/NDF: 103.9/108



Right In: 4421.544+/-0.787 χ^2/NDF: 1476776.7/27

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4230.980+/-0.739 χ^2/NDF: 2610927.4/32

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

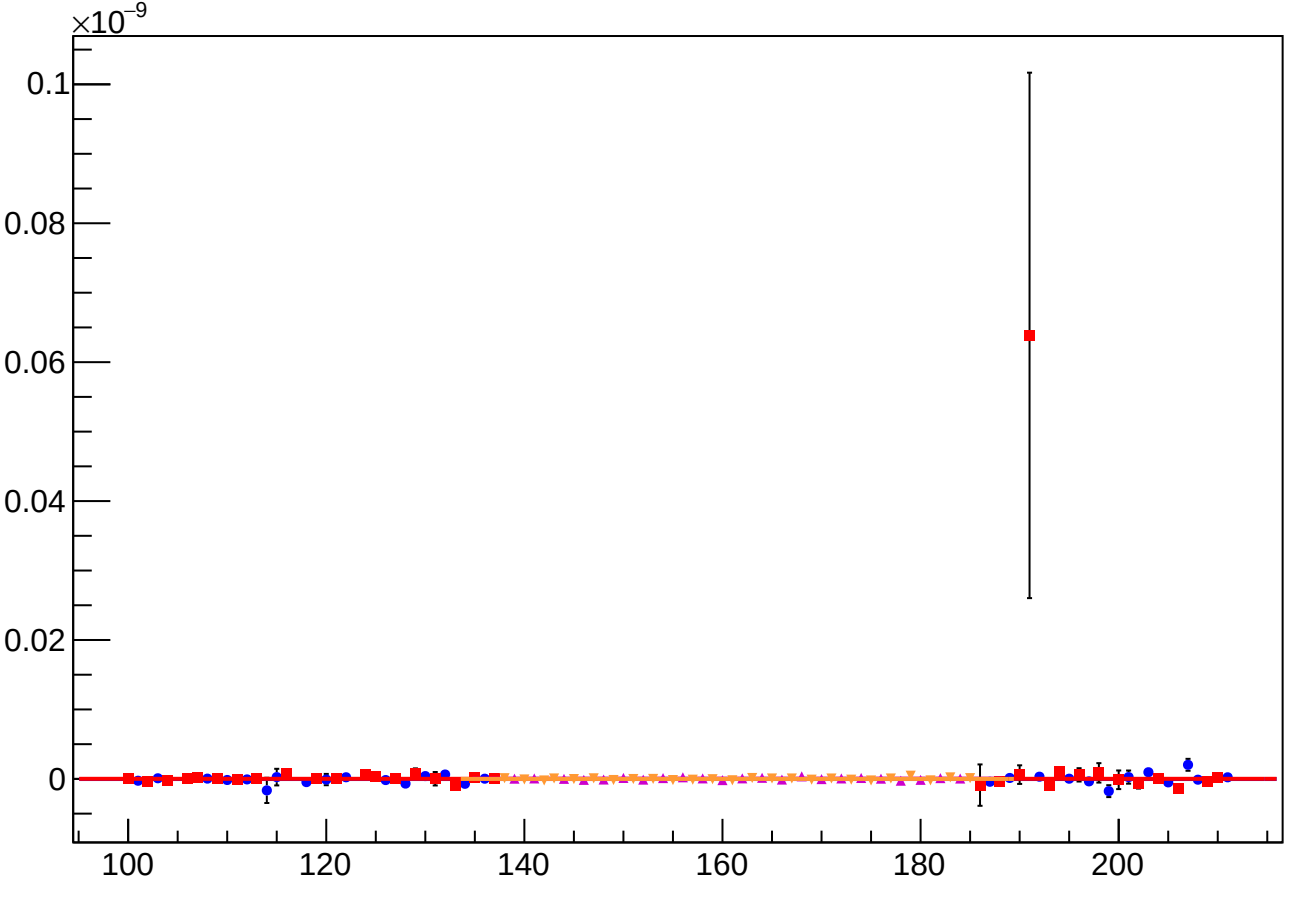
Right: 4320.275+/-0.538 χ^2/NDF: 4118891.3/60

In: 4407.080+/-0.538 χ^2/NDF:2565807.9/50

Out: 4208.036+/-0.505 χ^2/NDF:4409087.1/57

All: 4301.243+/-0.368 χ^2/NDF: 7047543.0/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

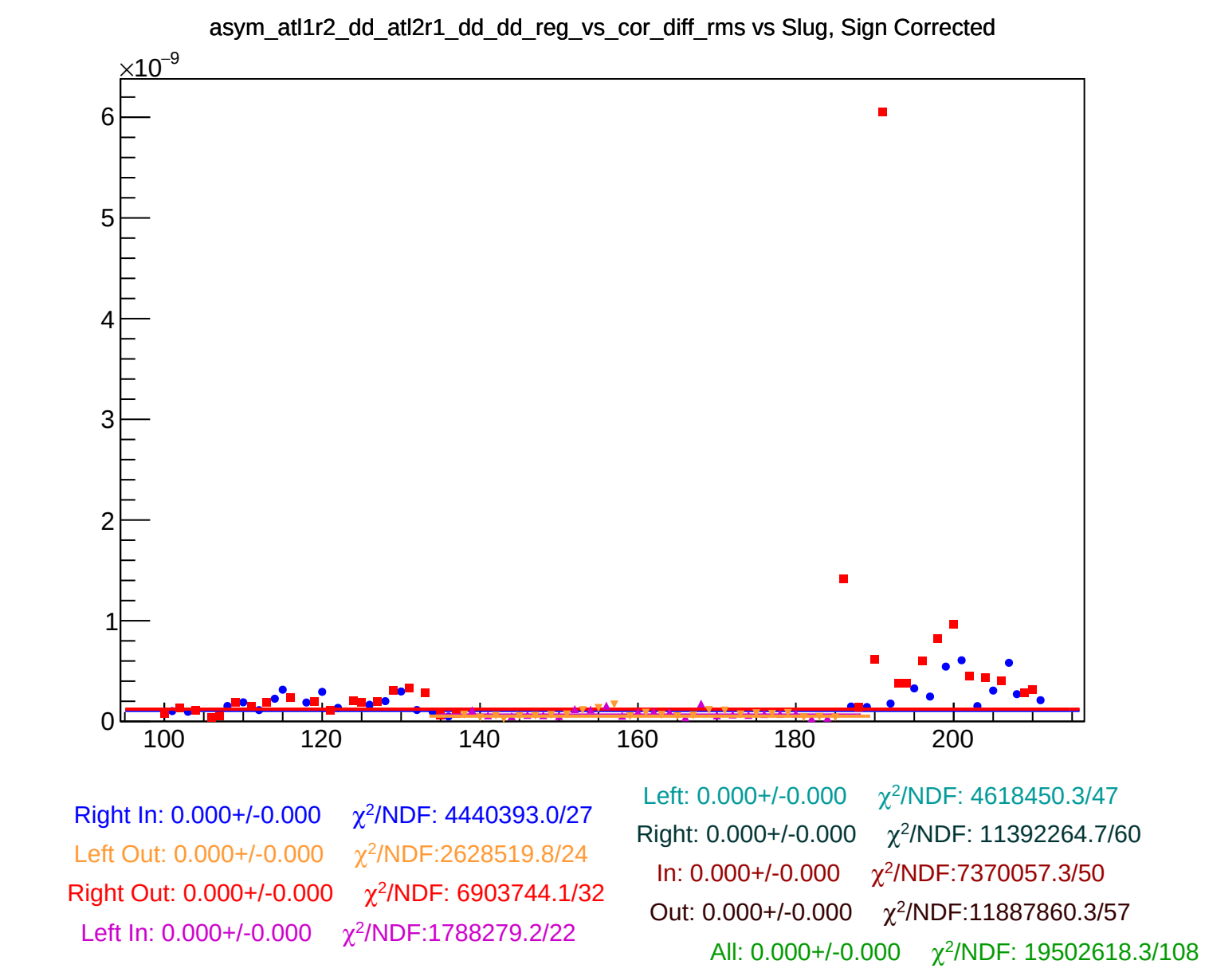
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 68.9/60

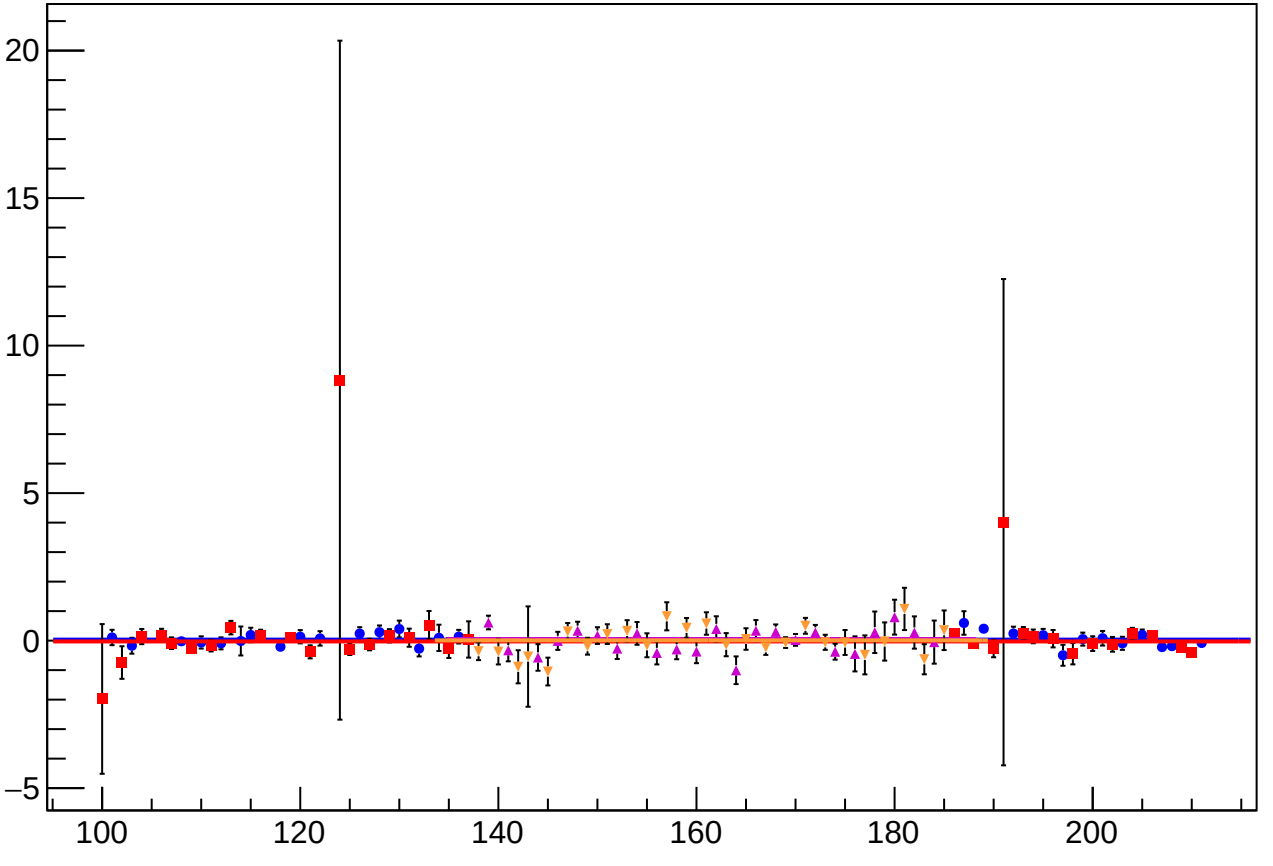
In: 0.000+/-0.000 χ^2/NDF:52.2/50

Out: -0.000+/-0.000 χ^2/NDF:64.5/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/108


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4440393.0/27
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6903744.1/32
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: 11392264.7/60
In: 0.000+/-0.000 χ²/NDF:7370057.3/50
Out: 0.000+/-0.000 χ²/NDF:11887860.3/57
All: 0.000+/-0.000 χ²/NDF: 19502618.3/108

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

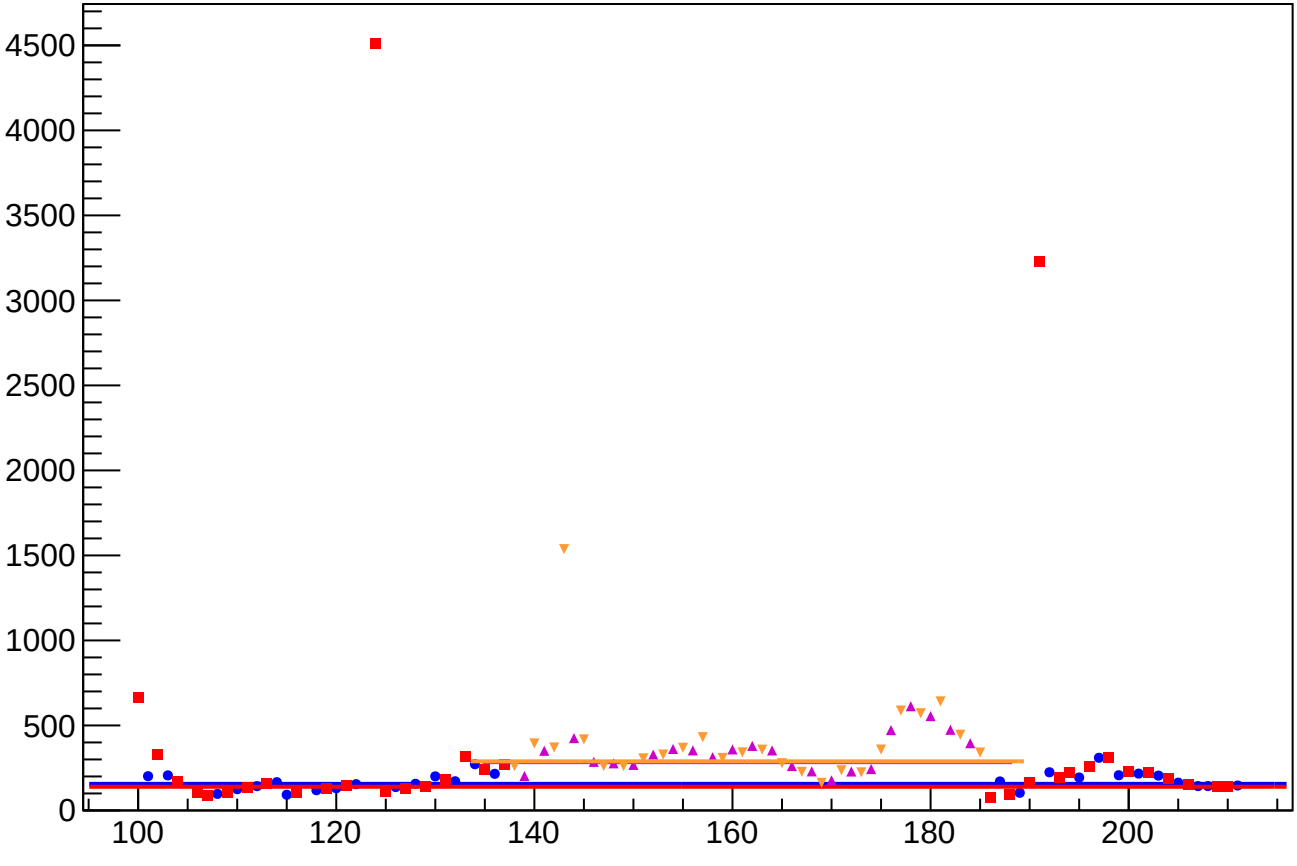
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

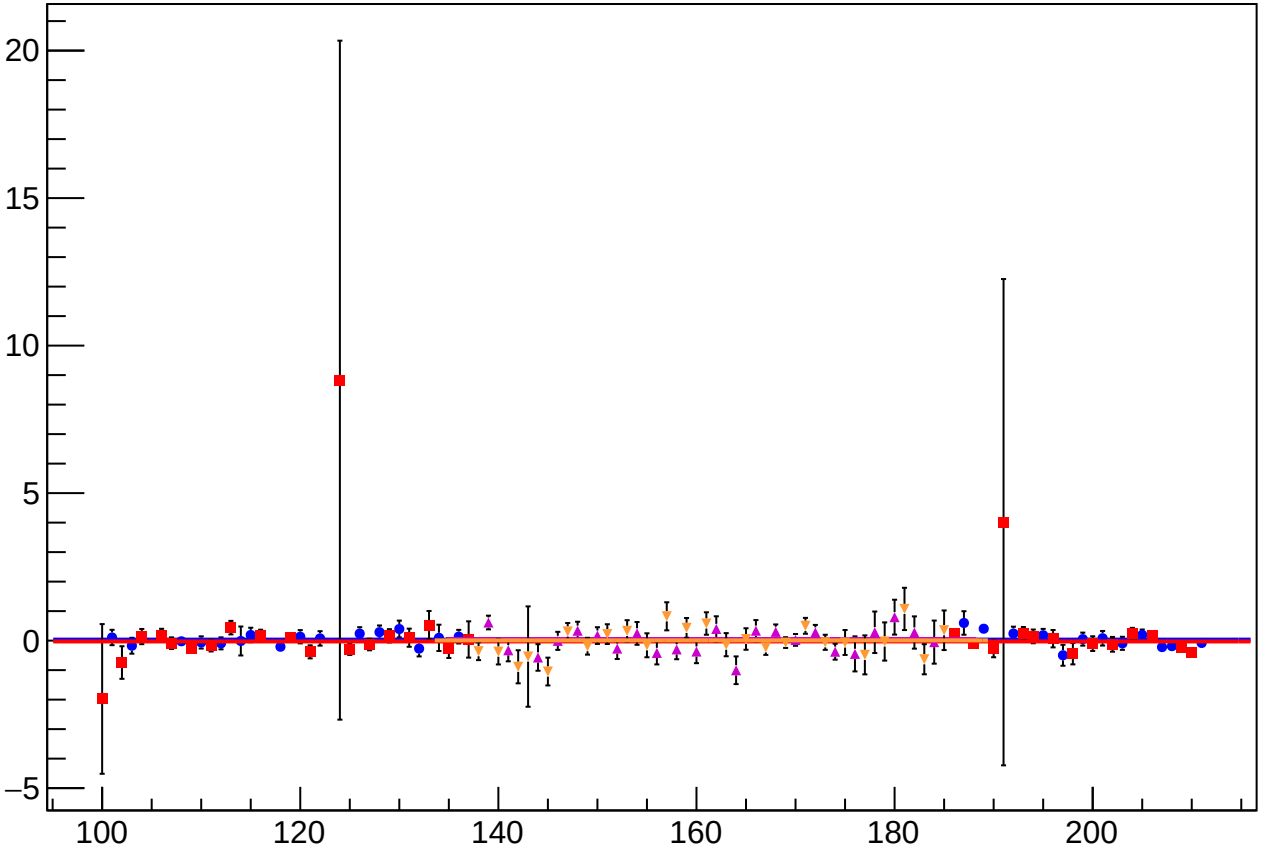
Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

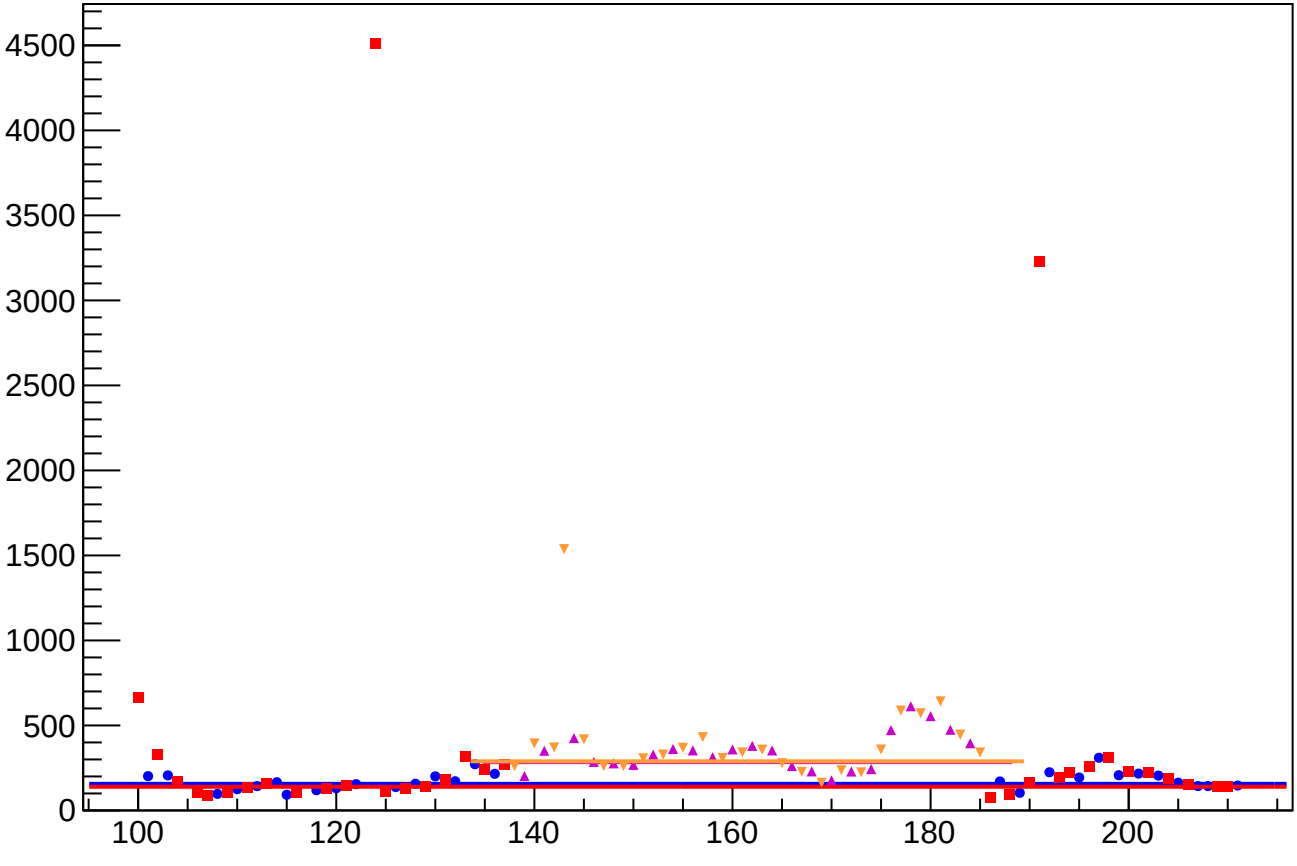
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.412+/-0.029 χ^2/NDF: 2259628.0/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.371+/-0.026 χ^2/NDF: 4675066.3/32

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

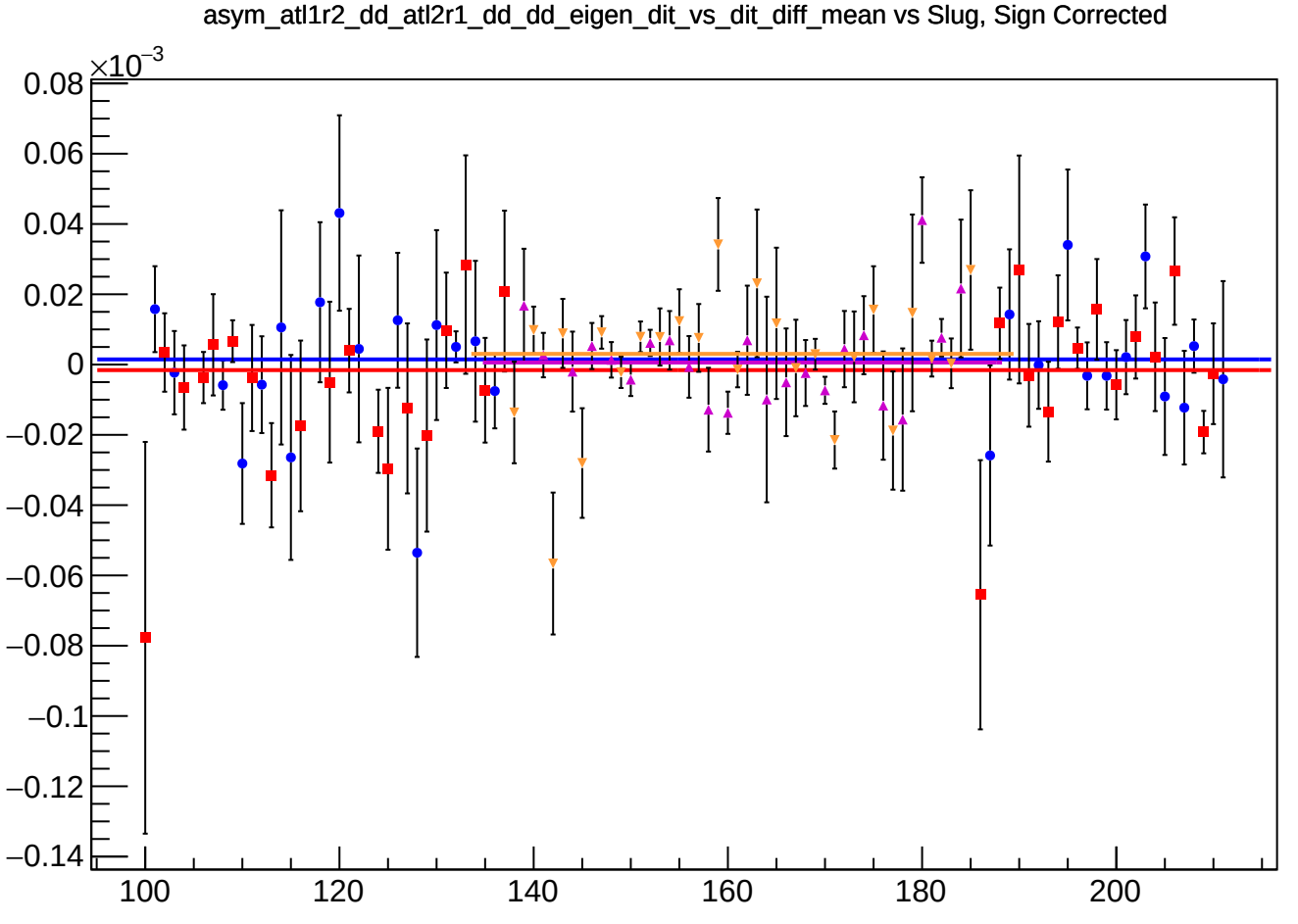
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

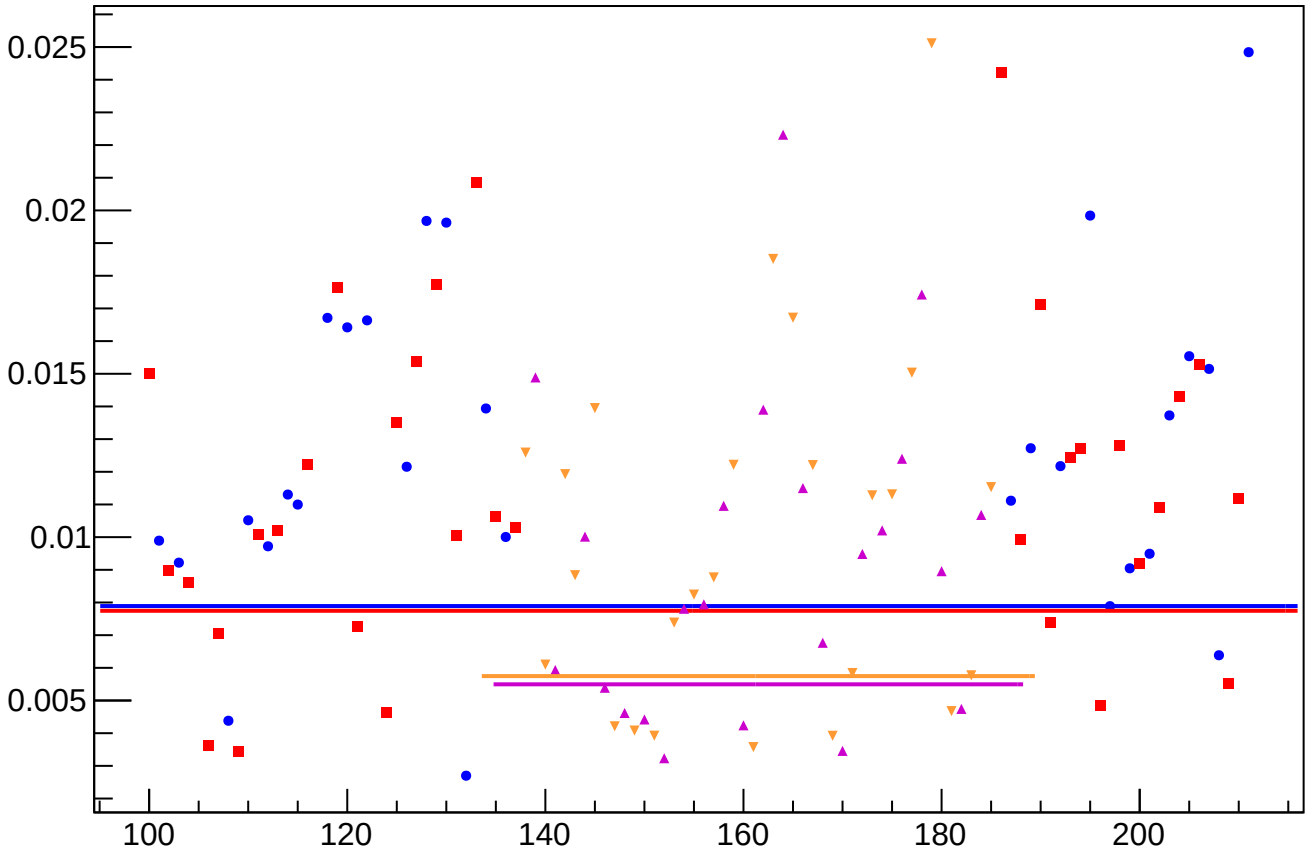
Right: 146.981+/-0.019 χ^2/NDF: 7129114.4/60

In: 188.366+/-0.025 χ^2/NDF:10275491.0/50

Out: 170.652+/-0.023 χ^2/NDF:16337000.3/57

All: 178.796+/-0.017 χ^2/NDF: 26885972.5/10


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.7/27
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.5/32
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 64.2/60
In: 0.000+/-0.000 χ²/NDF:58.0/50
Out: 0.000+/-0.000 χ²/NDF:83.9/57
All: 0.000+/-0.000 χ²/NDF: 142.0/108



Right In: 0.008+/-0.000 χ^2/NDF: 8228884.2/27

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6826417.1/32

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

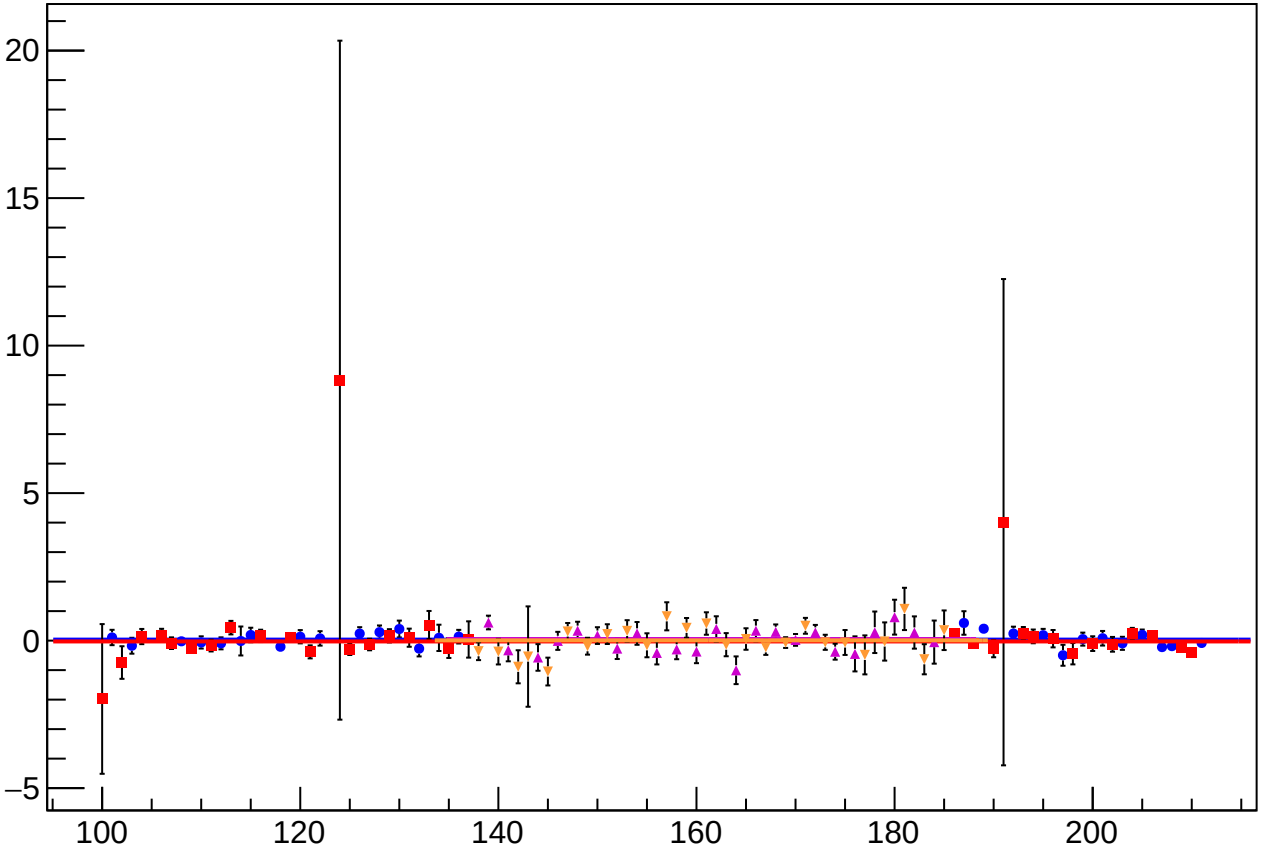
Right: 0.008+/-0.000 χ^2/NDF: 15059656.3/60

In: 0.006+/-0.000 χ^2/NDF:16691413.7/50

Out: 0.006+/-0.000 χ^2/NDF:16149895.0/57

All: 0.006+/-0.000 χ^2/NDF: 32870249.2/108

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

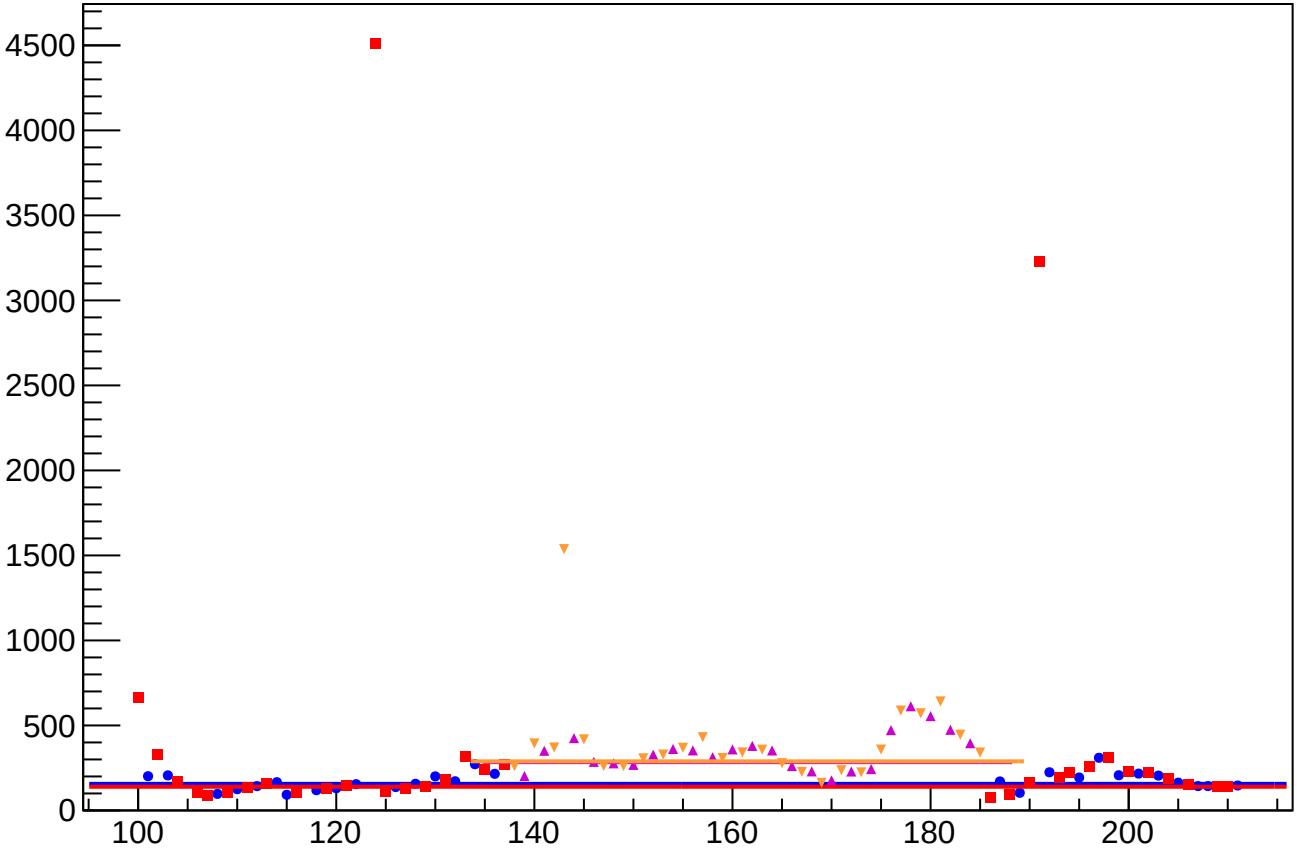
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

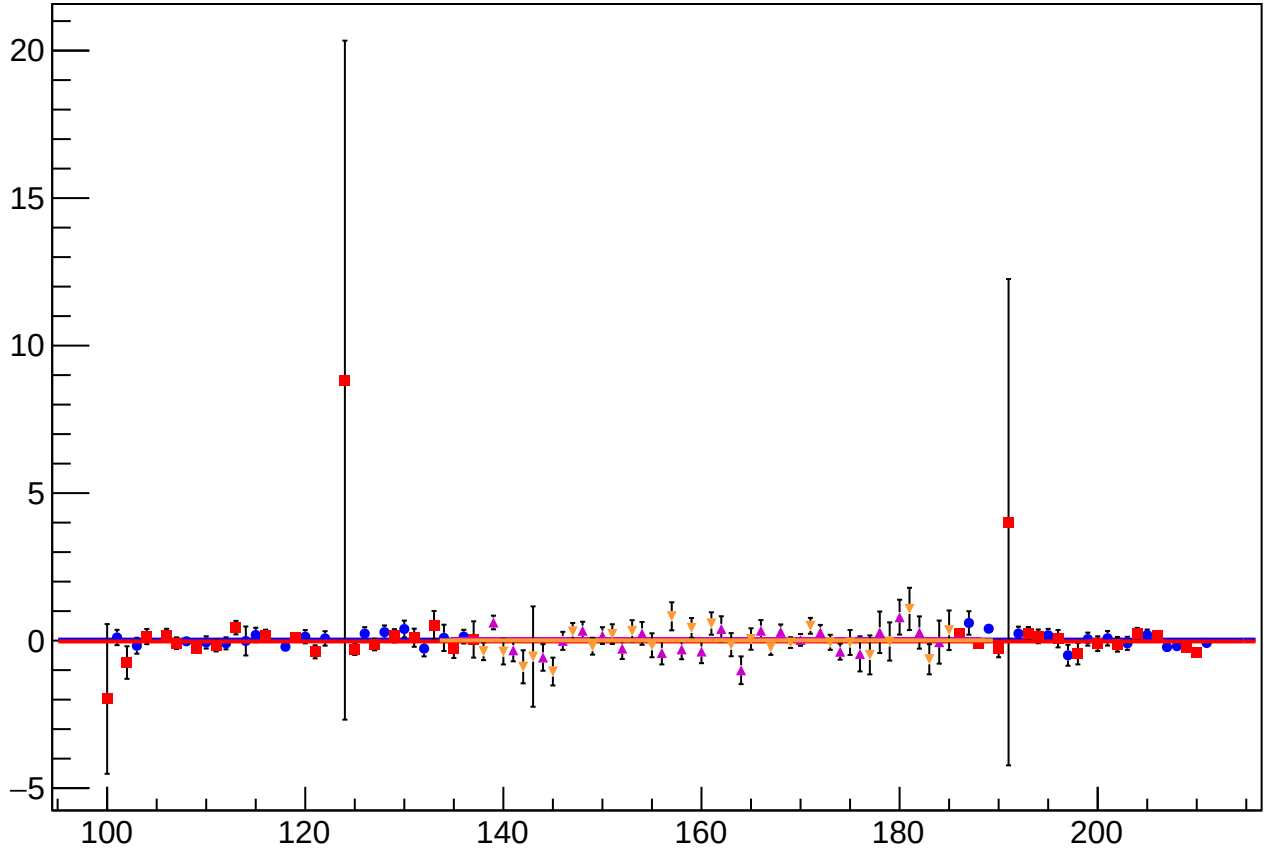
Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.041 χ^2/NDF: 27.2/27

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.028+/-0.037 χ^2/NDF: 39.8/32

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

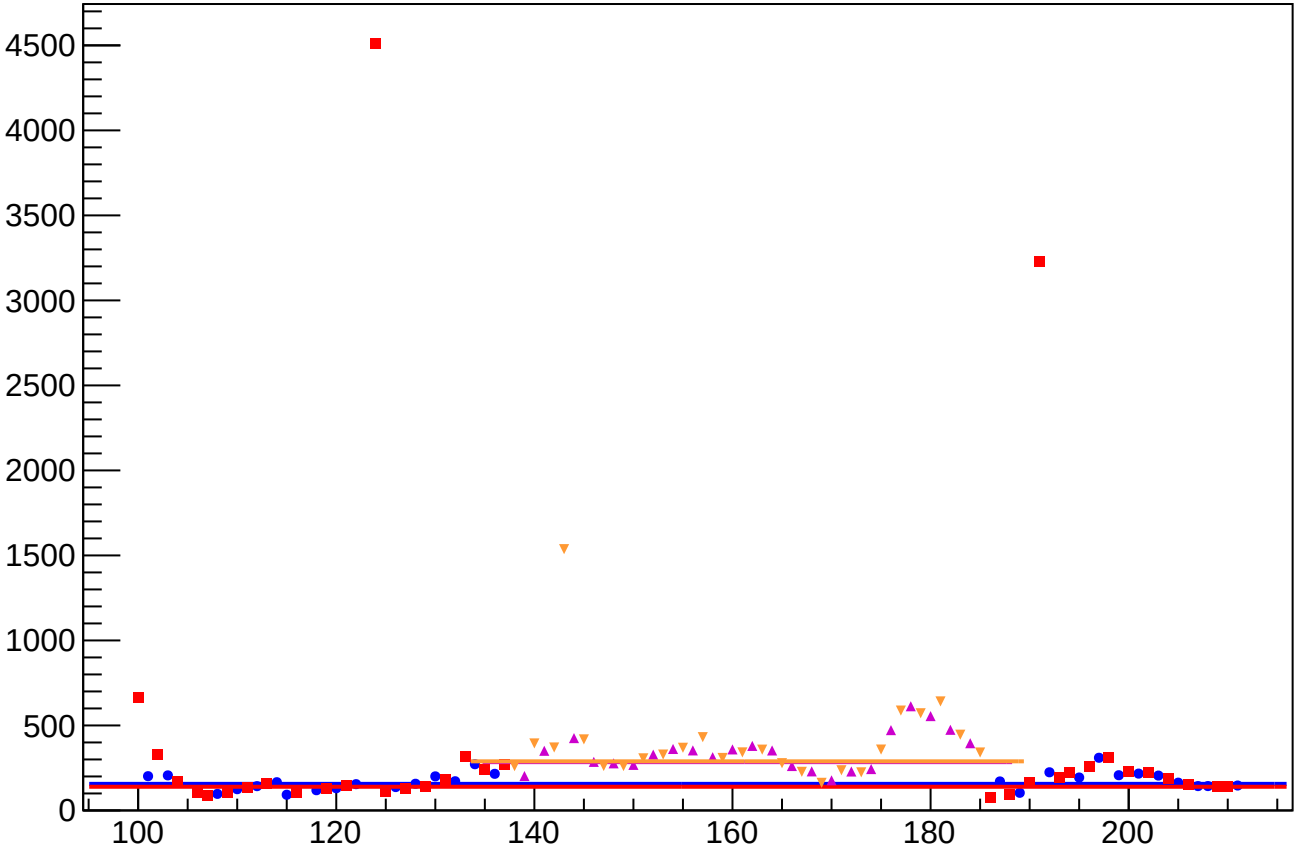
Right: -0.000+/-0.027 χ^2/NDF: 68.3/60

In: 0.039+/-0.035 χ^2/NDF:55.0/50

Out: -0.020+/-0.032 χ^2/NDF:68.9/57

All: 0.007+/-0.024 χ^2/NDF: 125.5/108

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.413+/-0.029 χ^2/NDF: 2259606.2/27

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.373+/-0.026 χ^2/NDF: 4674905.7/32

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

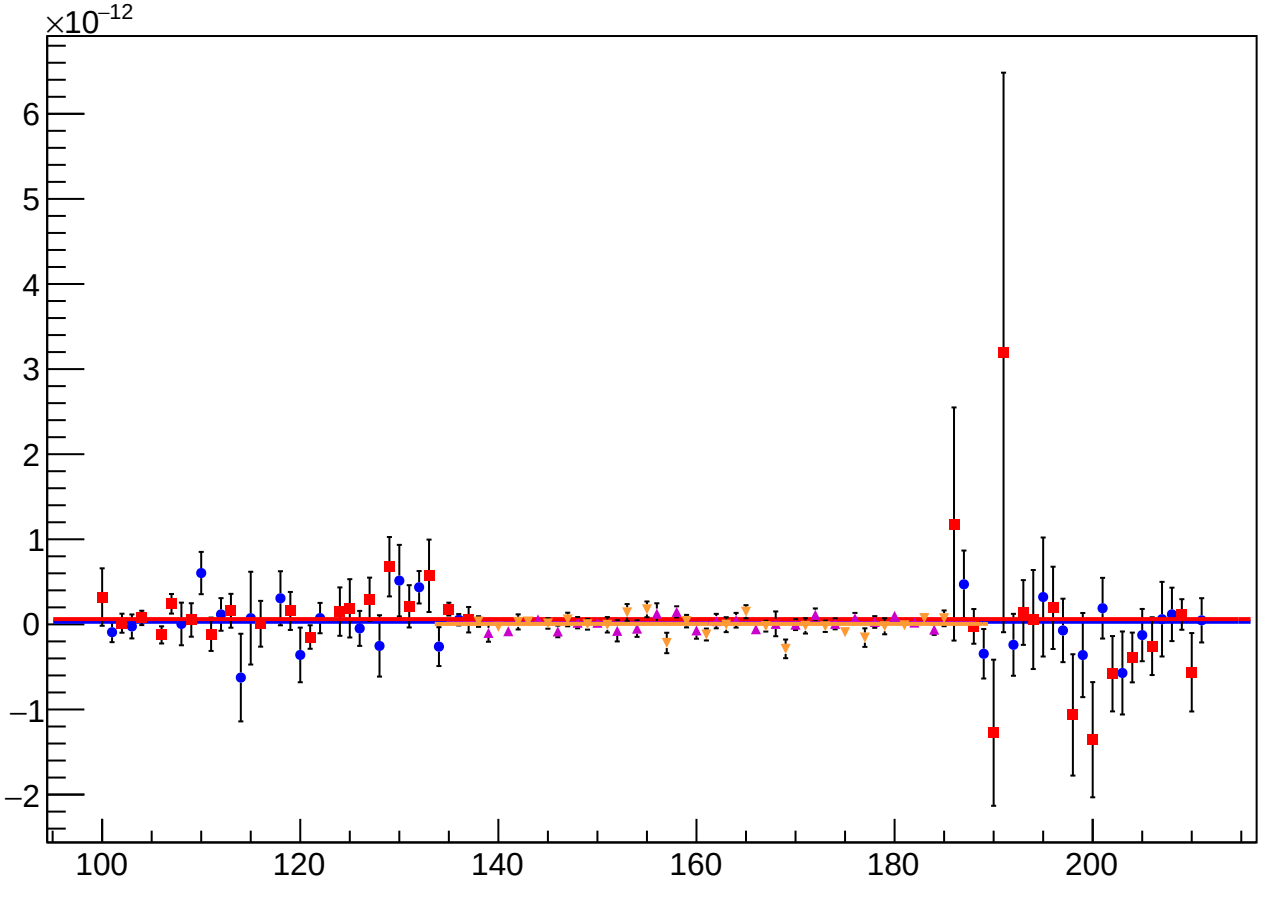
Right: 146.982+/-0.019 χ^2/NDF: 7128904.5/60

In: 188.367+/-0.025 χ^2/NDF:10275580.6/50

Out: 170.654+/-0.023 χ^2/NDF:16336819.6/57

All: 178.797+/-0.017 χ^2/NDF: 26885847.4/10

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: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

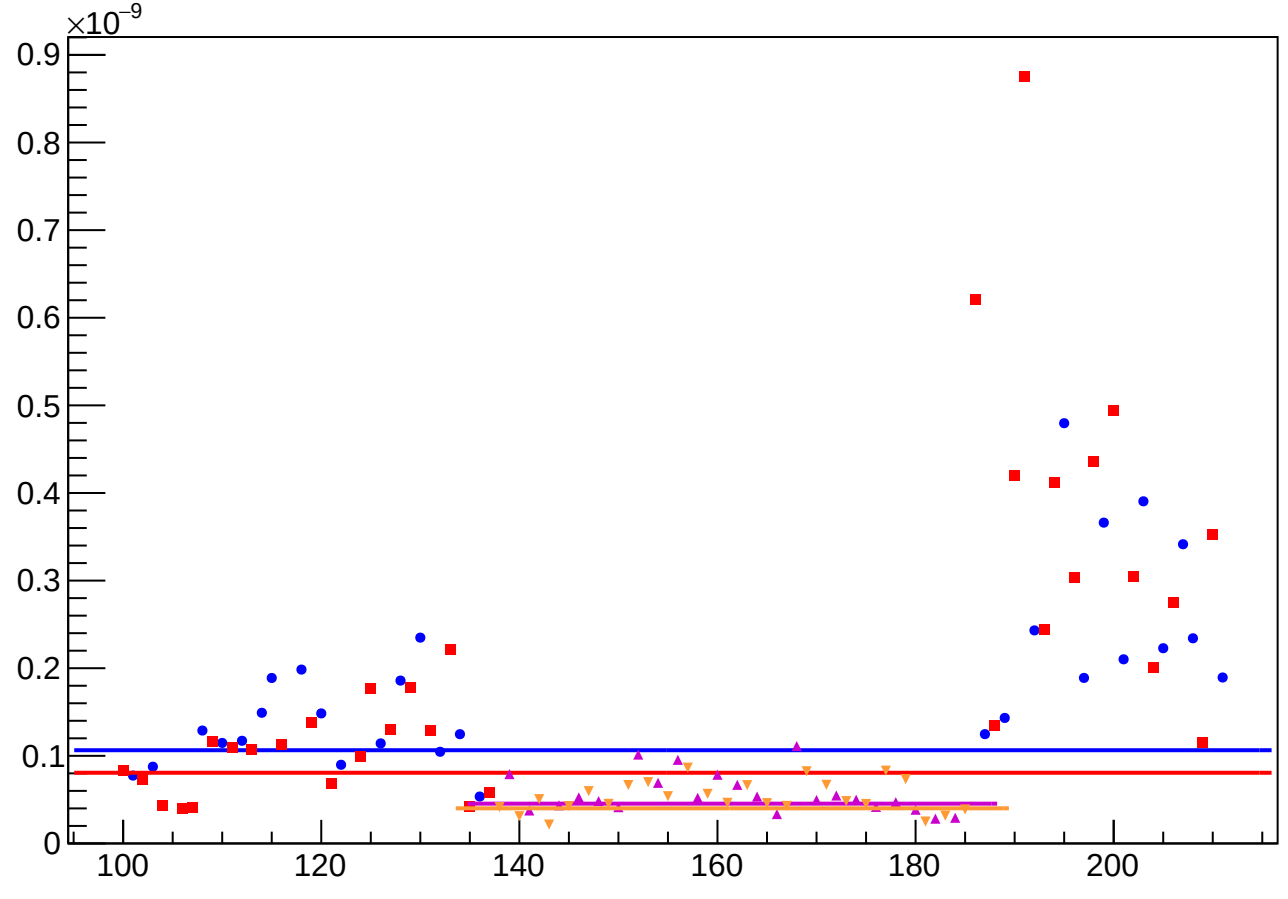
Right: 0.000+/-0.000 χ^2/NDF: 63.0/60

In: 0.000+/-0.000 χ^2/NDF:48.8/50

Out: 0.000+/-0.000 χ^2/NDF:73.9/57

All: 0.000+/-0.000 χ^2/NDF: 122.8/108

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: 5790765.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8402337.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

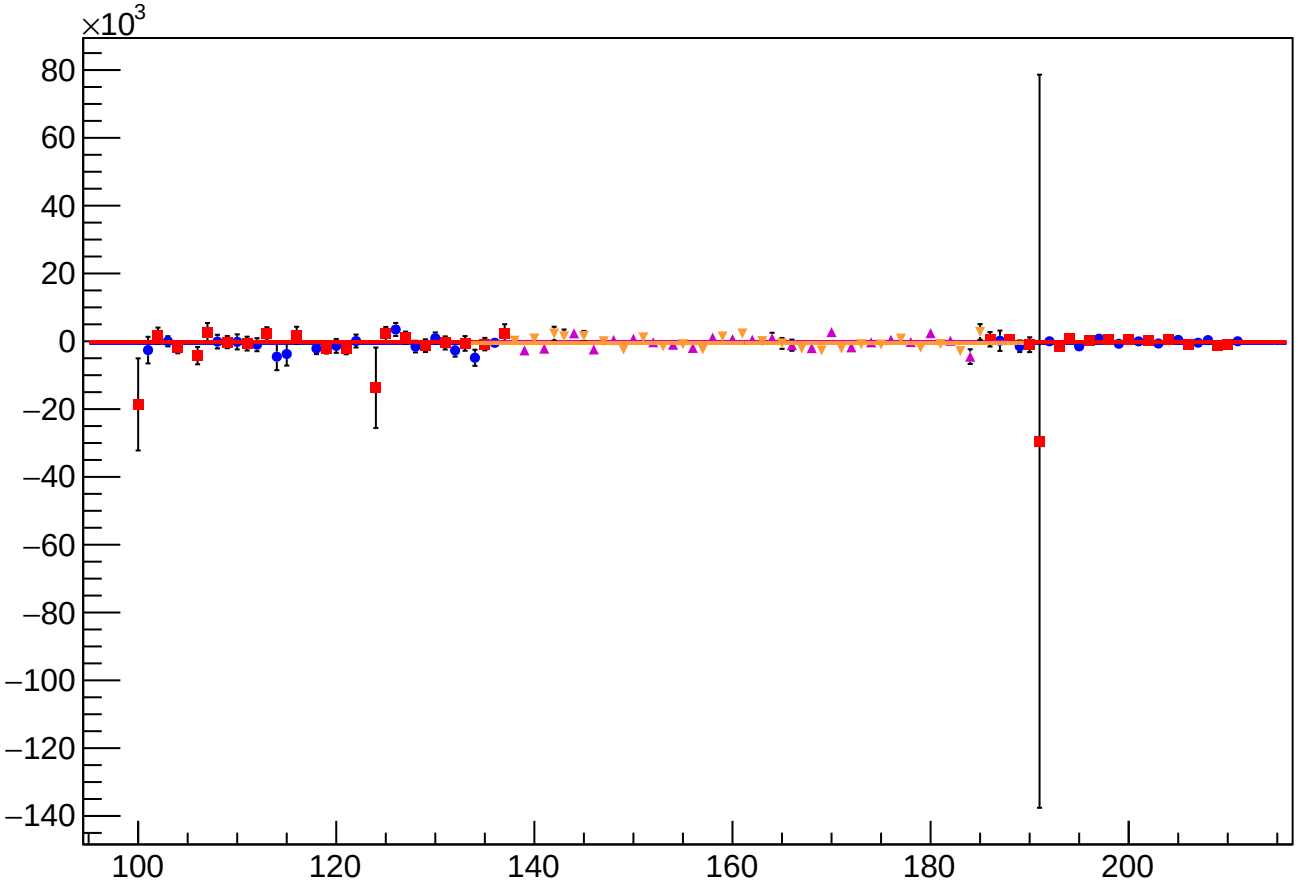
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14700848.1/60

In: 0.000+/-0.000 χ^2/NDF:12823055.8/50

Out: 0.000+/-0.000 χ^2/NDF:14772017.3/57

All: 0.000+/-0.000 χ^2/NDF: 27893985.3/108



Right In: -483.997+/-314.887 χ^2/NDF: 16.8/27

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -201.580+/-306.871 χ^2/NDF: 20.6/32

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

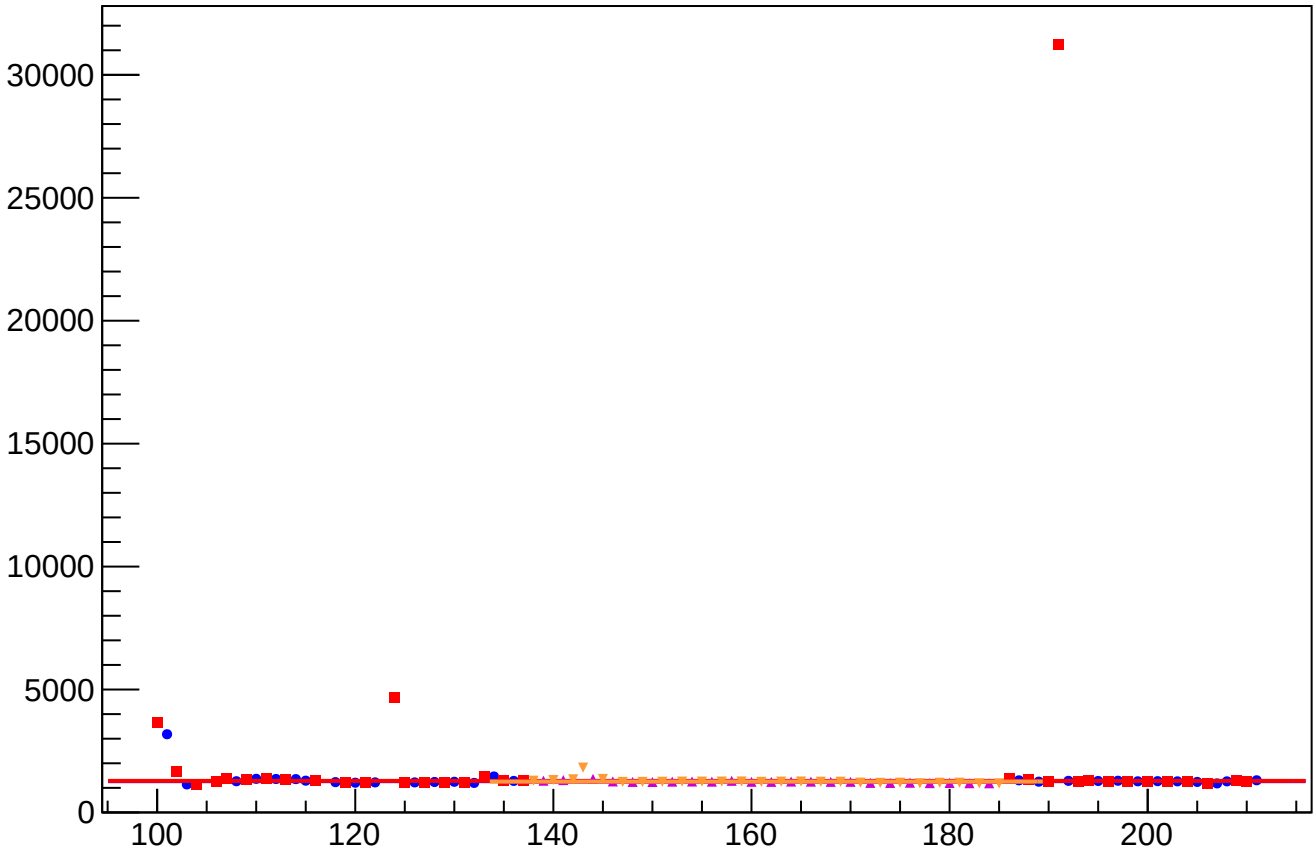
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -339.147+/-219.770 χ^2/NDF: 37.7/60

In: -353.911+/-213.780 χ^2/NDF:49.1/50

Out: -369.064+/-209.200 χ^2/NDF:52.1/57

All: -361.651+/-149.520 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533469.2/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.681+/-0.217 χ^2/NDF: 507647.8/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

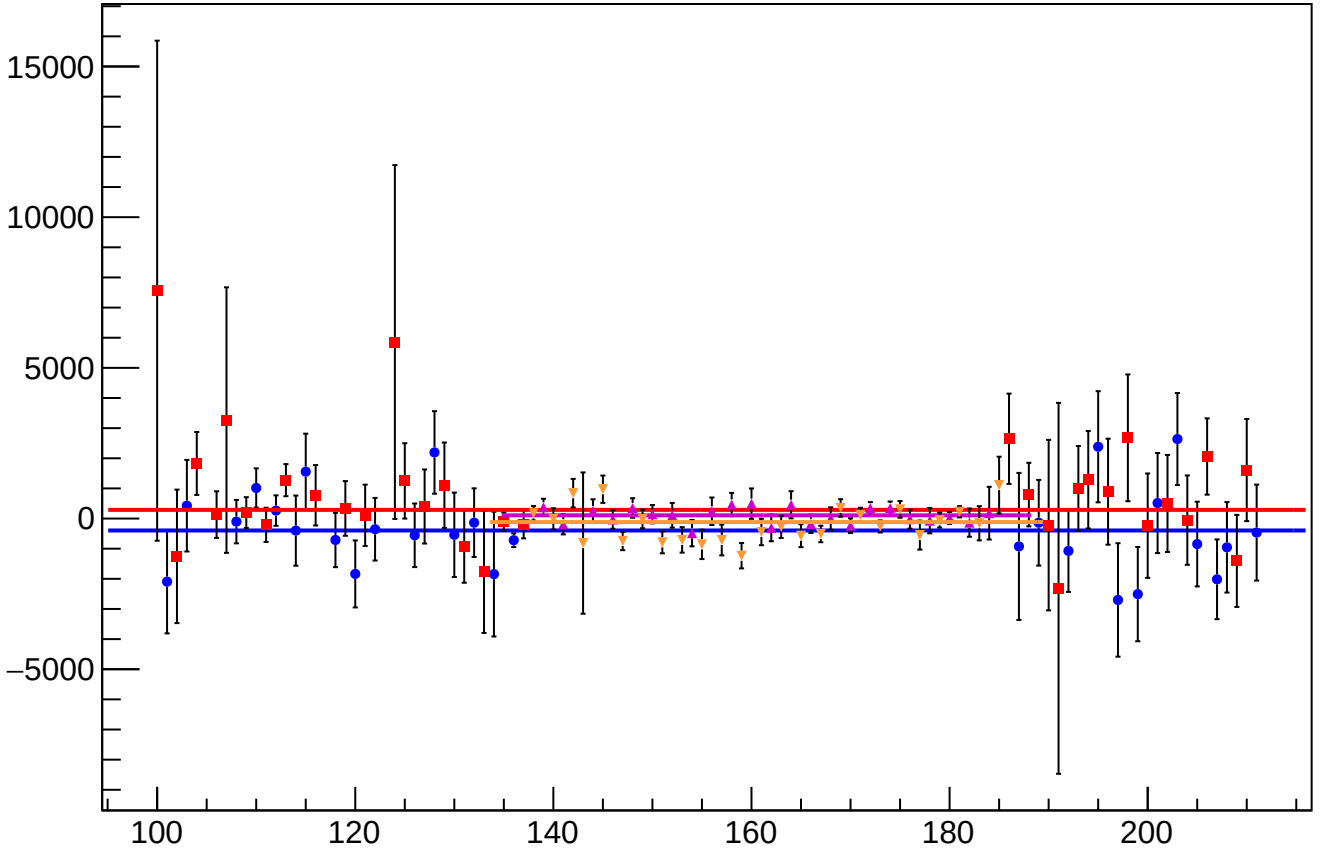
Right: 1278.555+/-0.155 χ^2/NDF: 1042262.5/60

In: 1258.709+/-0.151 χ^2/NDF:581138.2/50

Out: 1268.604+/-0.148 χ^2/NDF:719790.9/57

All: 1263.764+/-0.106 χ^2/NDF: 1303118.1/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -395.659+/-157.642 χ^2/NDF: 30.1/27

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 288.112+/-157.550 χ^2/NDF: 23.9/32

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

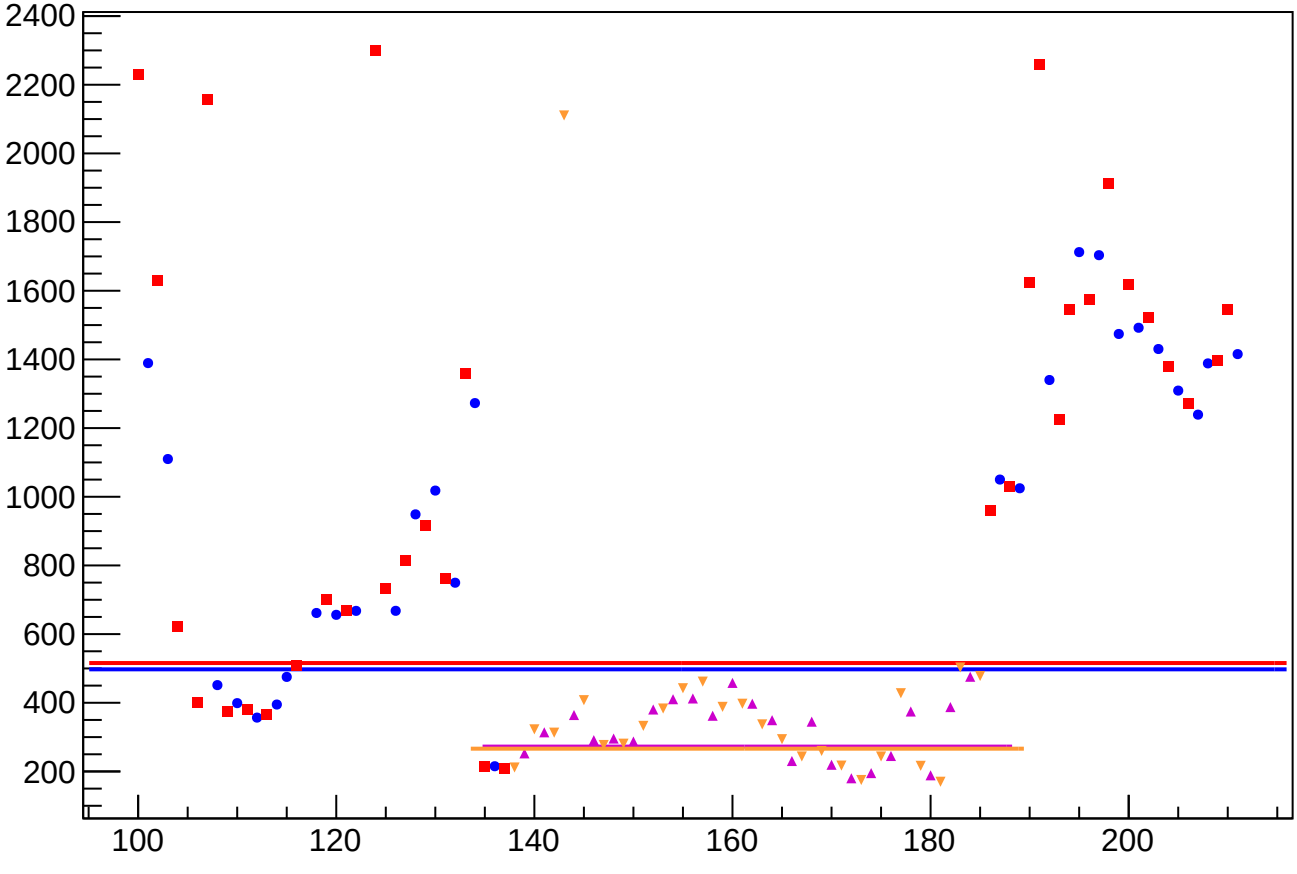
Right: -53.575+/-111.437 χ^2/NDF: 63.4/60

In: 30.381+/-61.663 χ^2/NDF:52.4/50

Out: -58.008+/-60.134 χ^2/NDF:78.0/57

All: -14.923+/-43.051 χ^2/NDF: 131.5/108

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 497.382+/-0.111 χ^2/NDF: 12960427.3/27

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 515.728+/-0.111 χ^2/NDF: 13710459.9/32

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

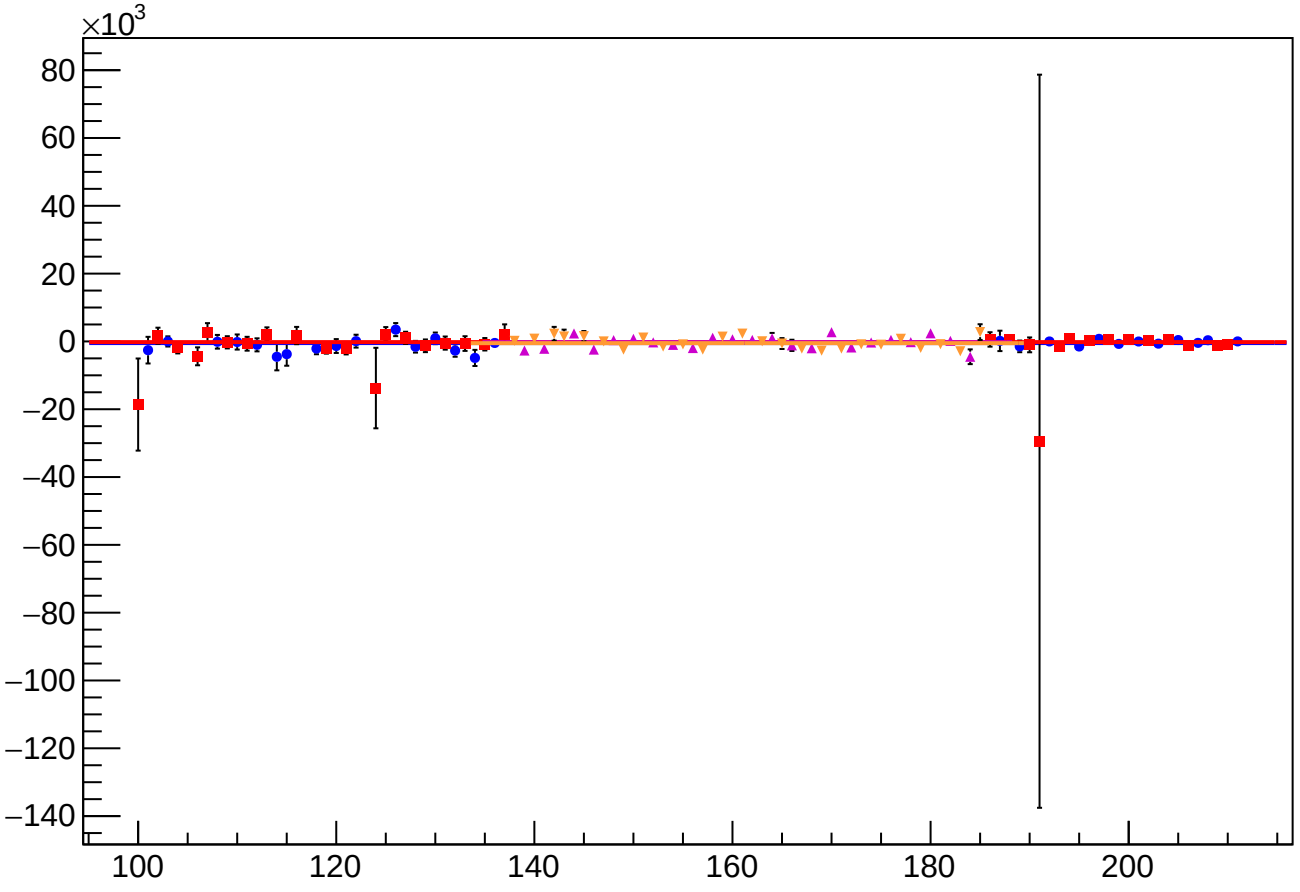
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 506.561+/-0.079 χ^2/NDF: 26684439.5/60

In: 306.796+/-0.044 χ^2/NDF:19299582.5/50

Out: 302.654+/-0.043 χ^2/NDF:22622442.7/57

All: 304.673+/-0.030 χ^2/NDF: 41926649.3/10



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -200.417+/-307.003 χ^2/NDF: 20.6/32

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

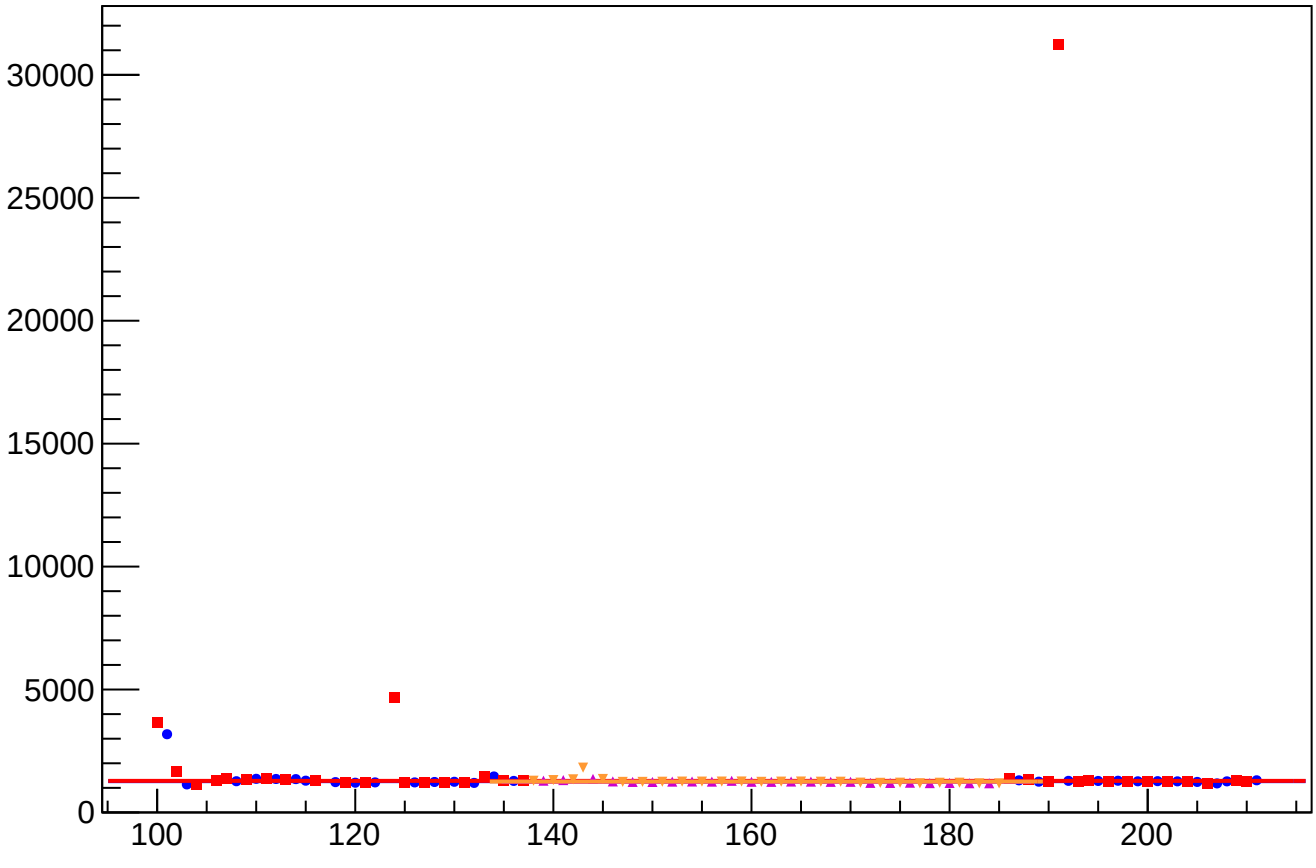
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -338.539+/-219.818 χ^2/NDF: 37.8/60

In: -353.829+/-213.780 χ^2/NDF:49.1/50

Out: -368.561+/-209.242 χ^2/NDF:52.1/57

All: -361.353+/-149.535 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

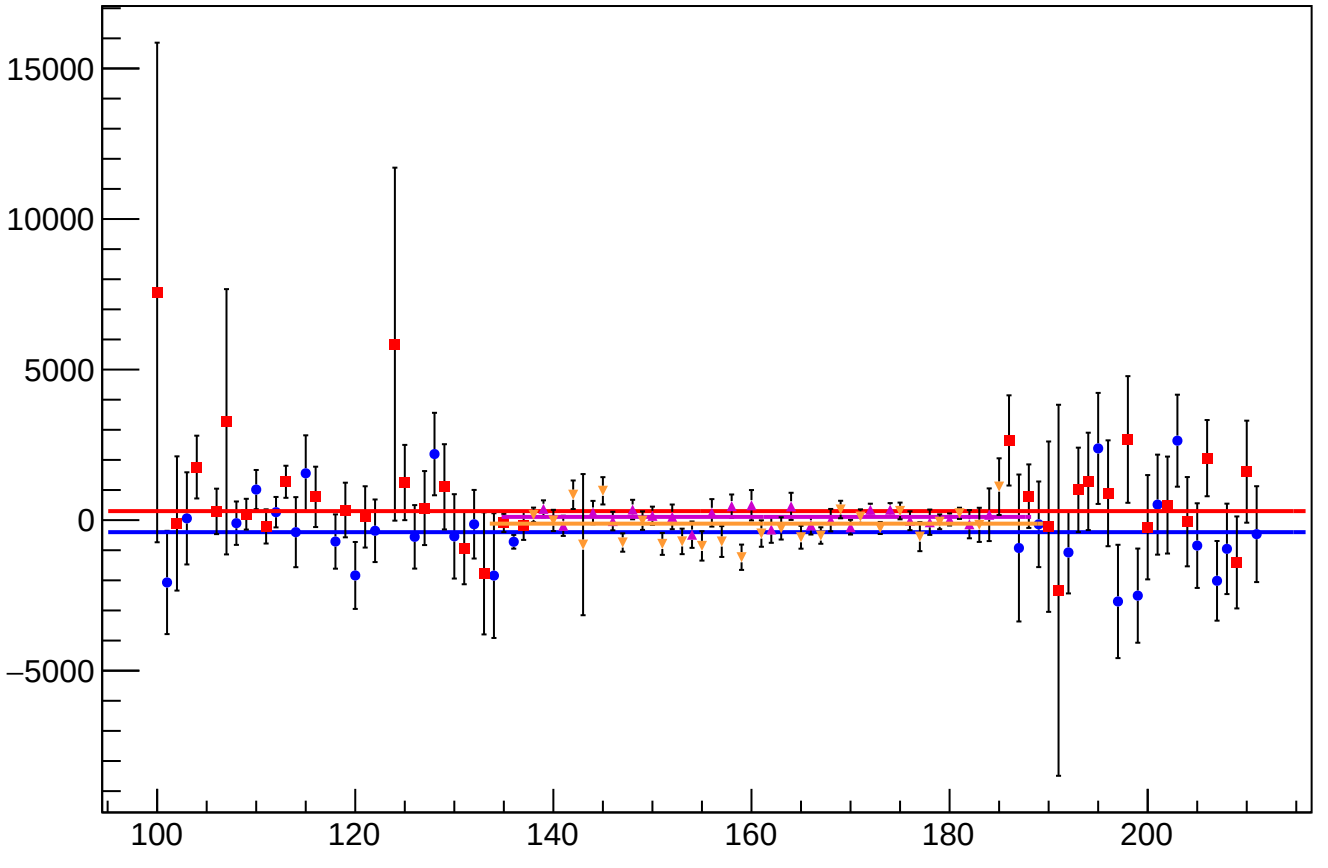
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.844+/-0.155 χ^2/NDF: 1042371.2/60

In: 1258.709+/-0.151 χ^2/NDF:581139.5/50

Out: 1268.862+/-0.148 χ^2/NDF:720134.7/57

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

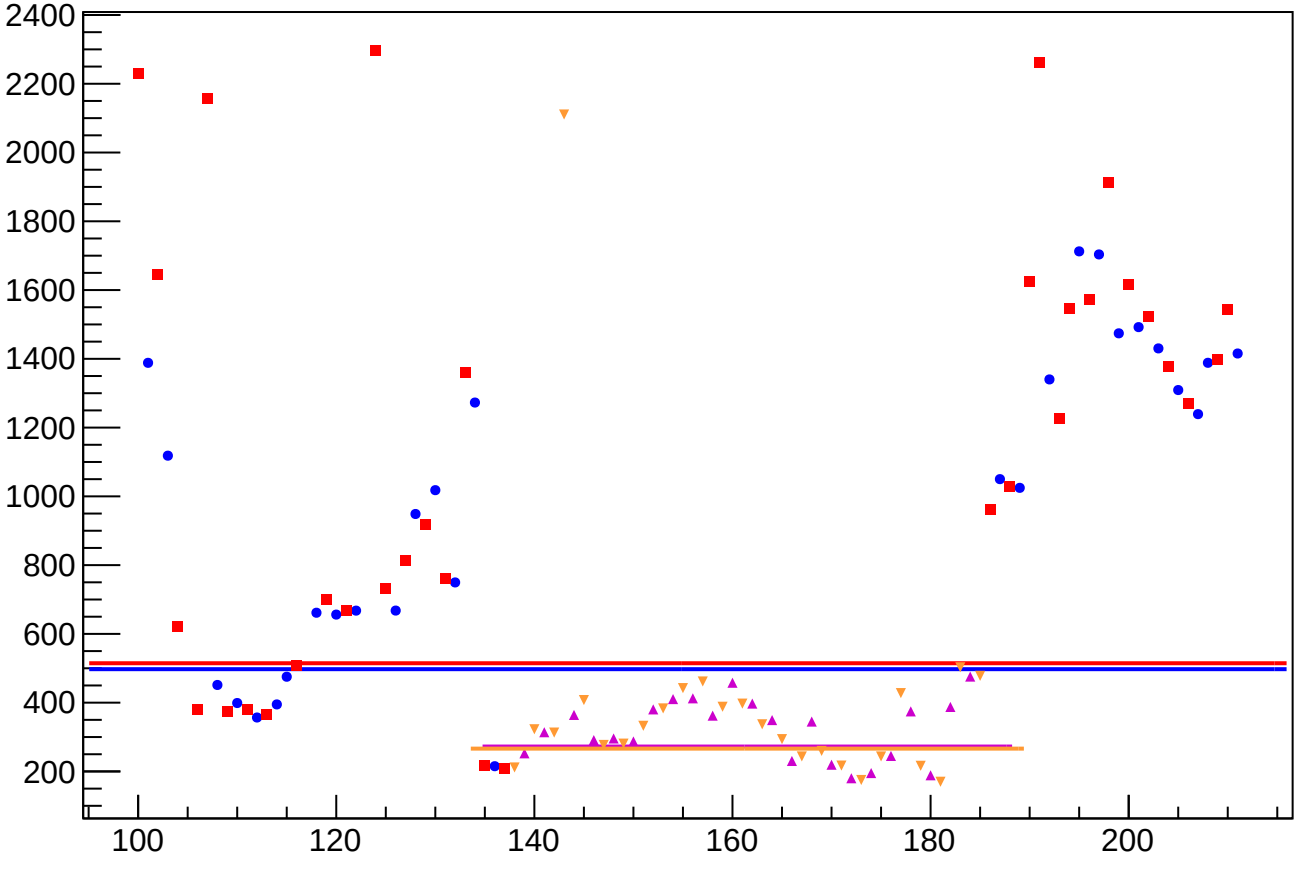
Right: -49.543+/-111.387 χ^2/NDF: 62.9/60

In: 29.891+/-61.665 χ^2/NDF:52.3/50

Out: -56.248+/-60.126 χ^2/NDF:77.7/57

All: -14.267+/-43.049 χ^2/NDF: 131.0/108

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 497.399+/-0.111 χ^2/NDF: 12963488.0/27

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 514.650+/-0.111 χ^2/NDF: 13736257.1/32

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

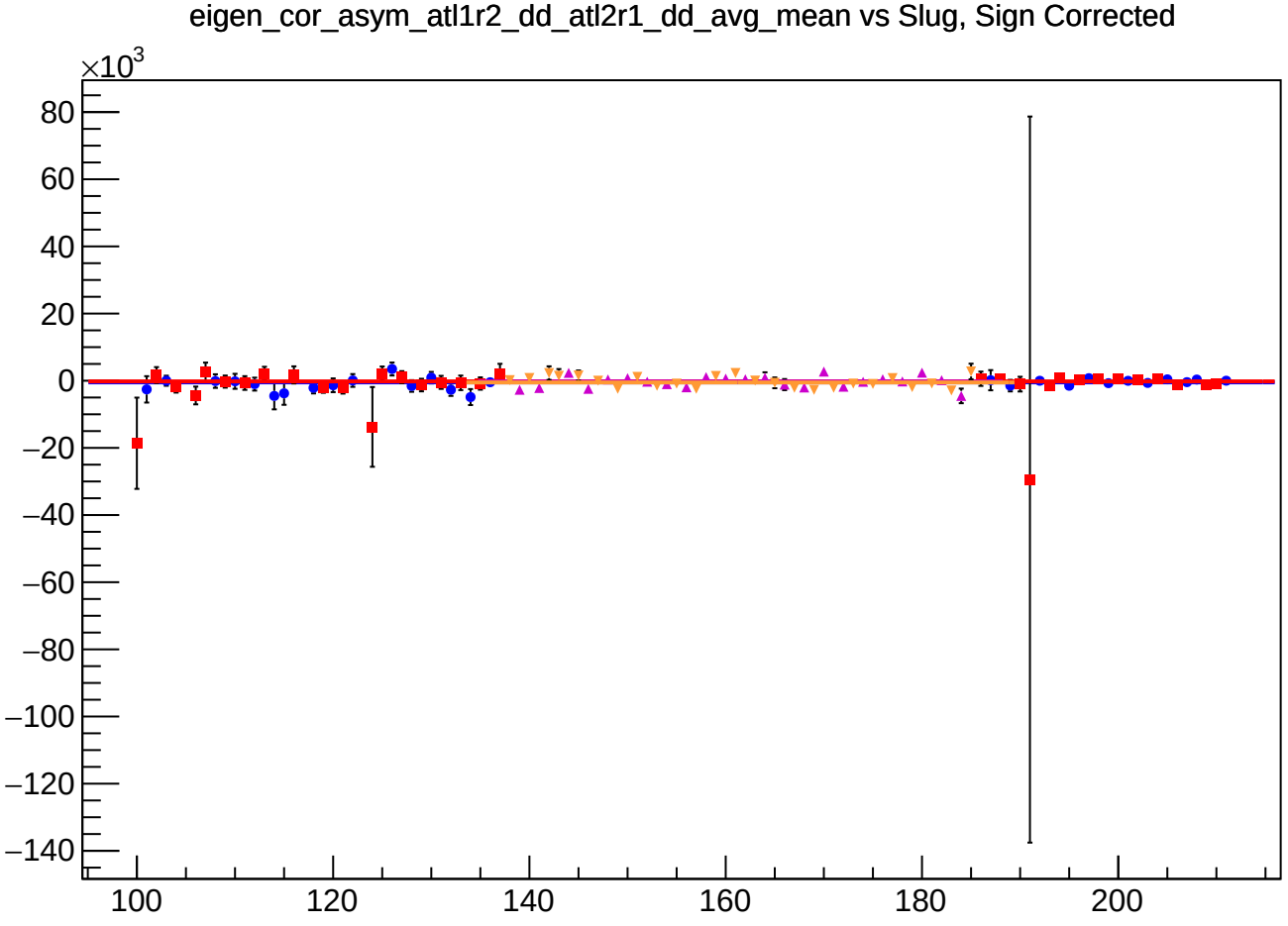
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 506.039+/-0.079 χ^2/NDF: 26711738.7/60

In: 306.802+/-0.044 χ^2/NDF:19302010.3/50

Out: 302.566+/-0.043 χ^2/NDF:22618440.1/57

All: 304.630+/-0.030 χ^2/NDF: 41925289.6/10



Right In: -483.847+/-314.888 χ^2/NDF: 16.7/27

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -200.417+/-307.003 χ^2/NDF: 20.6/32

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

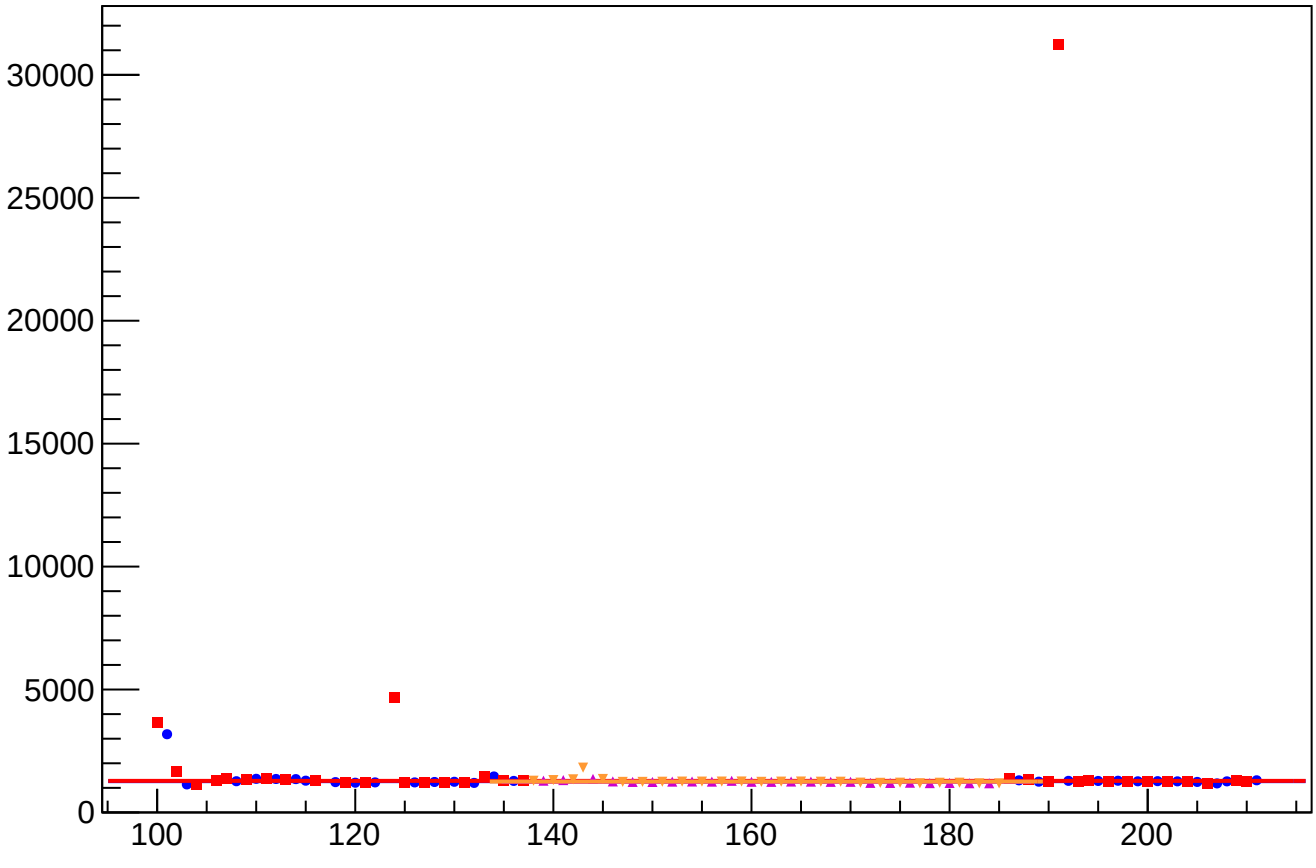
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -338.539+/-219.818 χ^2/NDF: 37.8/60

In: -353.829+/-213.780 χ^2/NDF:49.1/50

Out: -368.561+/-209.242 χ^2/NDF:52.1/57

All: -361.353+/-149.535 χ^2/NDF: 101.2/108



Right In: 1273.158+/-0.223 χ^2/NDF: 533470.6/27

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.249+/-0.217 χ^2/NDF: 507628.7/32

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

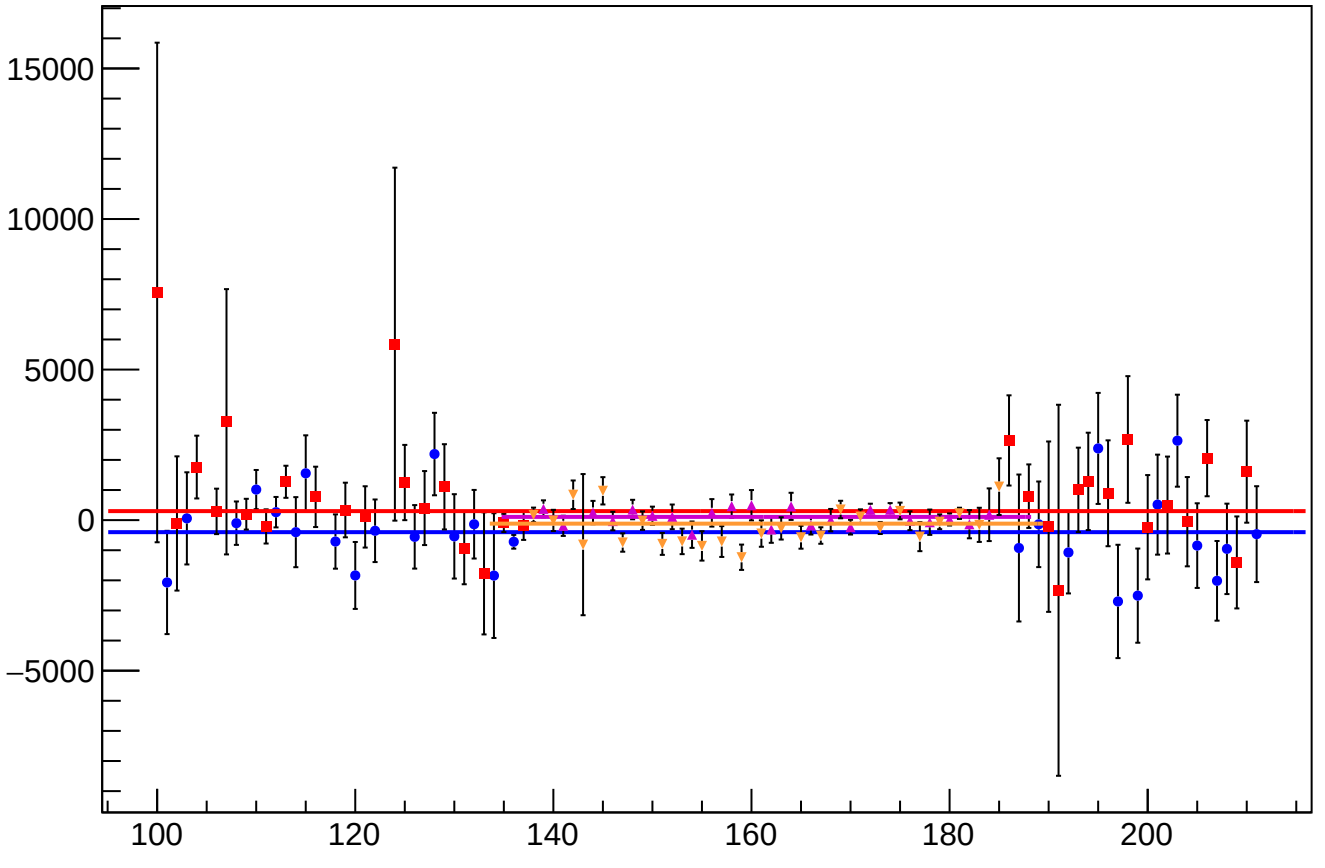
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.844+/-0.155 χ^2/NDF: 1042371.2/60

In: 1258.709+/-0.151 χ^2/NDF:581139.5/50

Out: 1268.862+/-0.148 χ^2/NDF:720134.7/57

All: 1263.894+/-0.106 χ^2/NDF: 1303578.3/10



Right In: -399.578+/-157.658 χ^2/NDF: 29.9/27

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 299.308+/-157.392 χ^2/NDF: 23.2/32

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

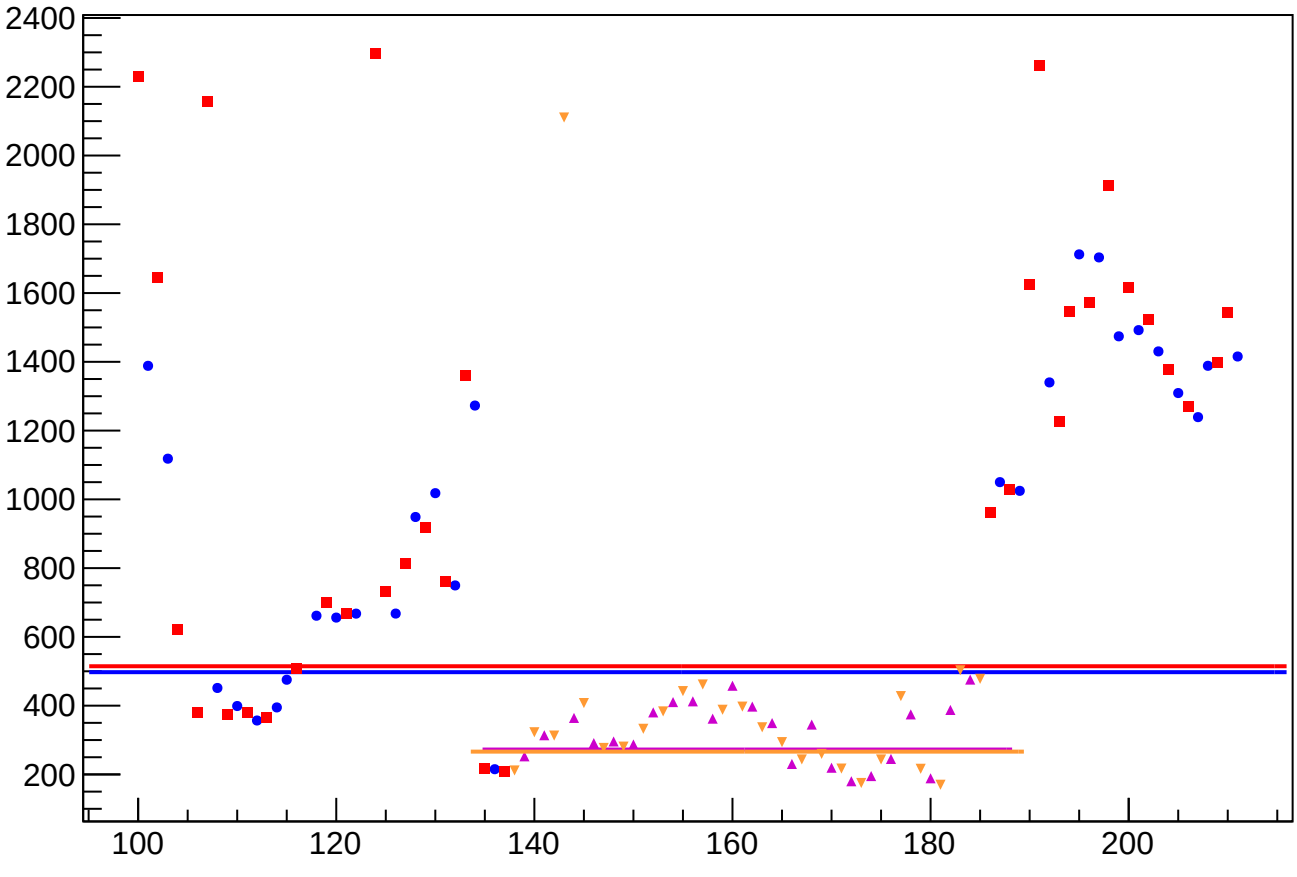
Right: -49.543+/-111.387 χ^2/NDF: 62.9/60

In: 29.891+/-61.665 χ^2/NDF:52.3/50

Out: -56.248+/-60.126 χ^2/NDF:77.7/57

All: -14.267+/-43.049 χ^2/NDF: 131.0/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 497.399+/-0.111 χ^2/NDF: 12963488.0/27

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 514.650+/-0.111 χ^2/NDF: 13736257.1/32

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

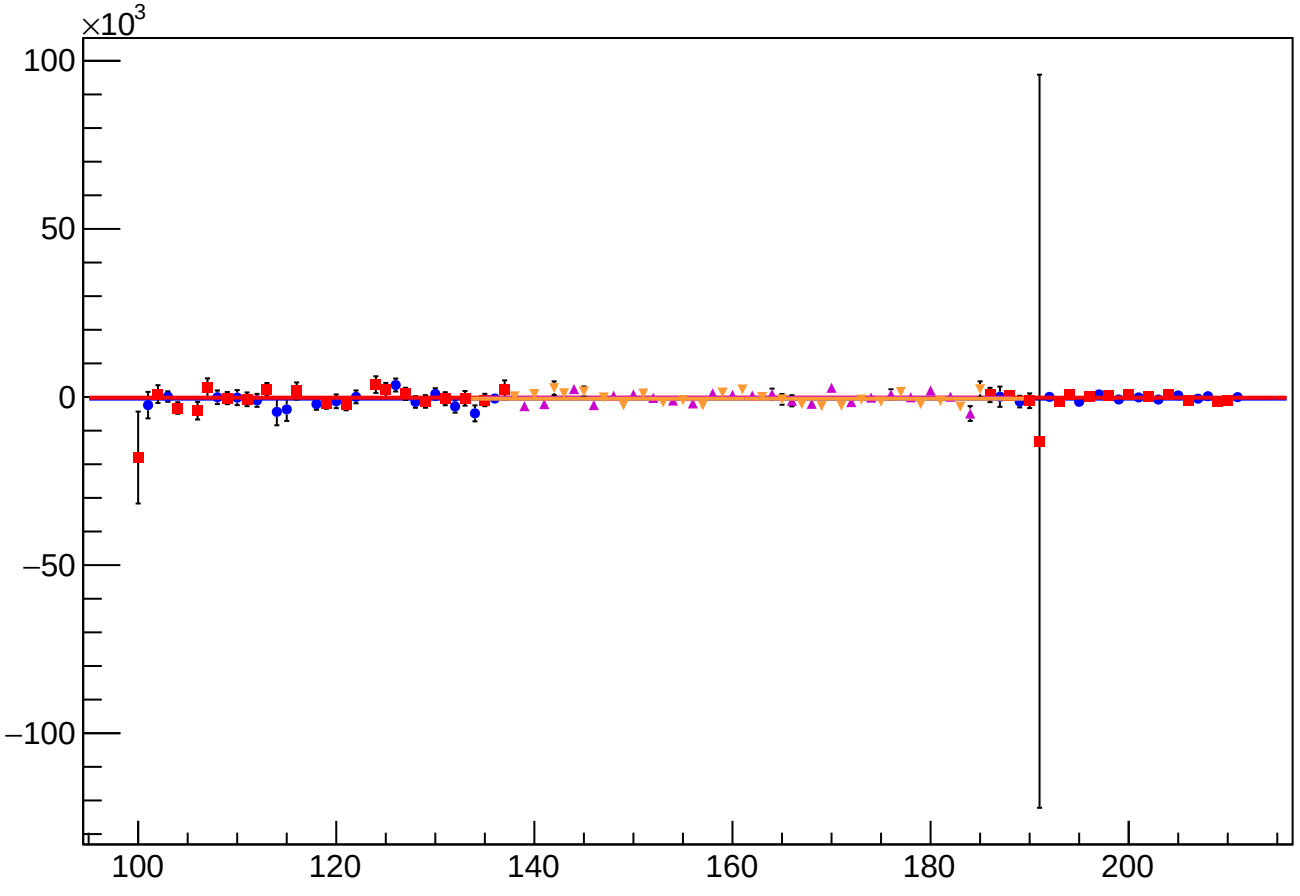
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 506.039+/-0.079 χ^2/NDF: 26711738.7/60

In: 306.802+/-0.044 χ^2/NDF:19302010.3/50

Out: 302.566+/-0.043 χ^2/NDF:22618440.1/57

All: 304.630+/-0.030 χ^2/NDF: 41925289.6/10



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -194.371+/-306.419 χ^2/NDF: 22.5/32

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

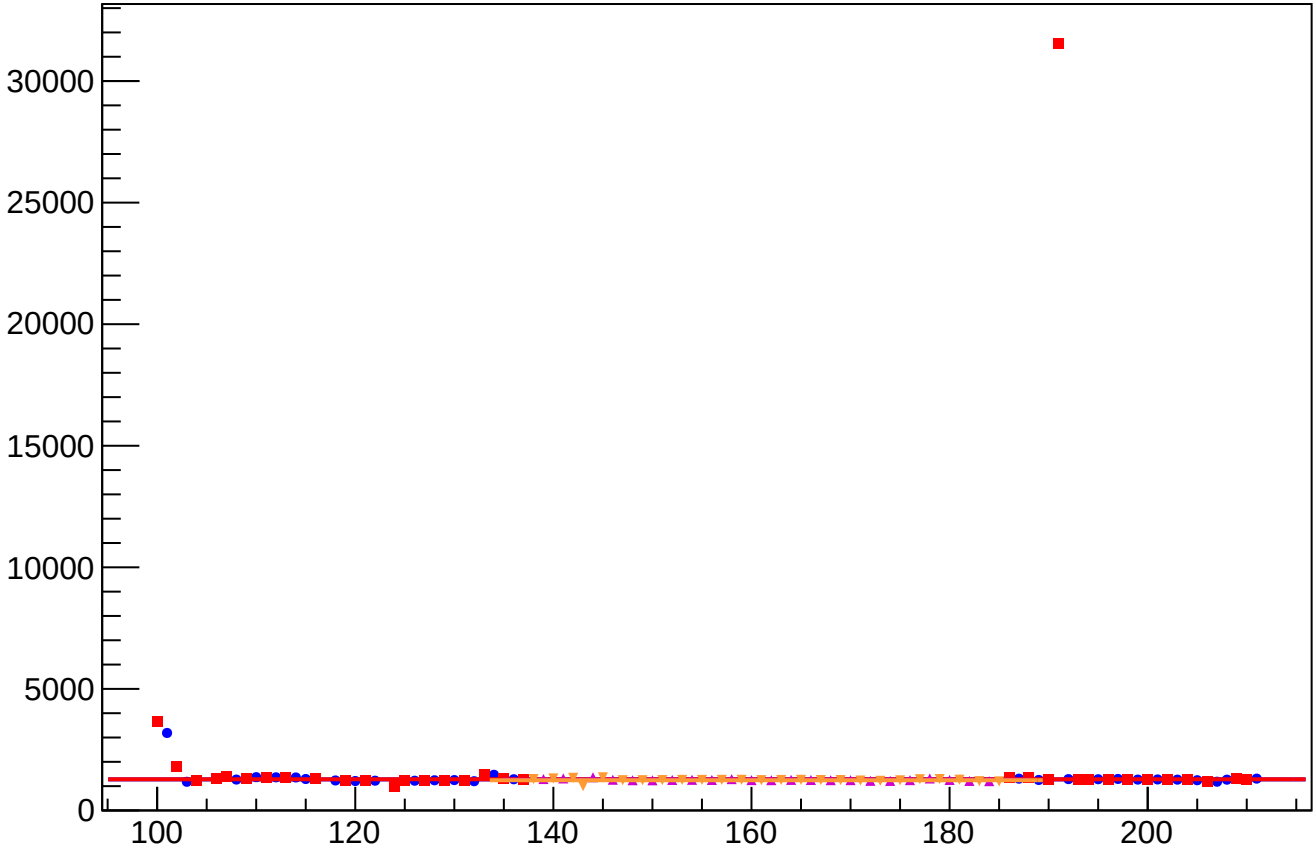
Right: -332.609+/-219.919 χ^2/NDF: 39.6/60

In: -352.382+/-215.323 χ^2/NDF:47.7/50

Out: -355.907+/-207.793 χ^2/NDF:57.2/57

All: -354.207+/-149.523 χ^2/NDF: 104.9/108

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1277.011+/-0.223 χ^2/NDF: 526070.9/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.5/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

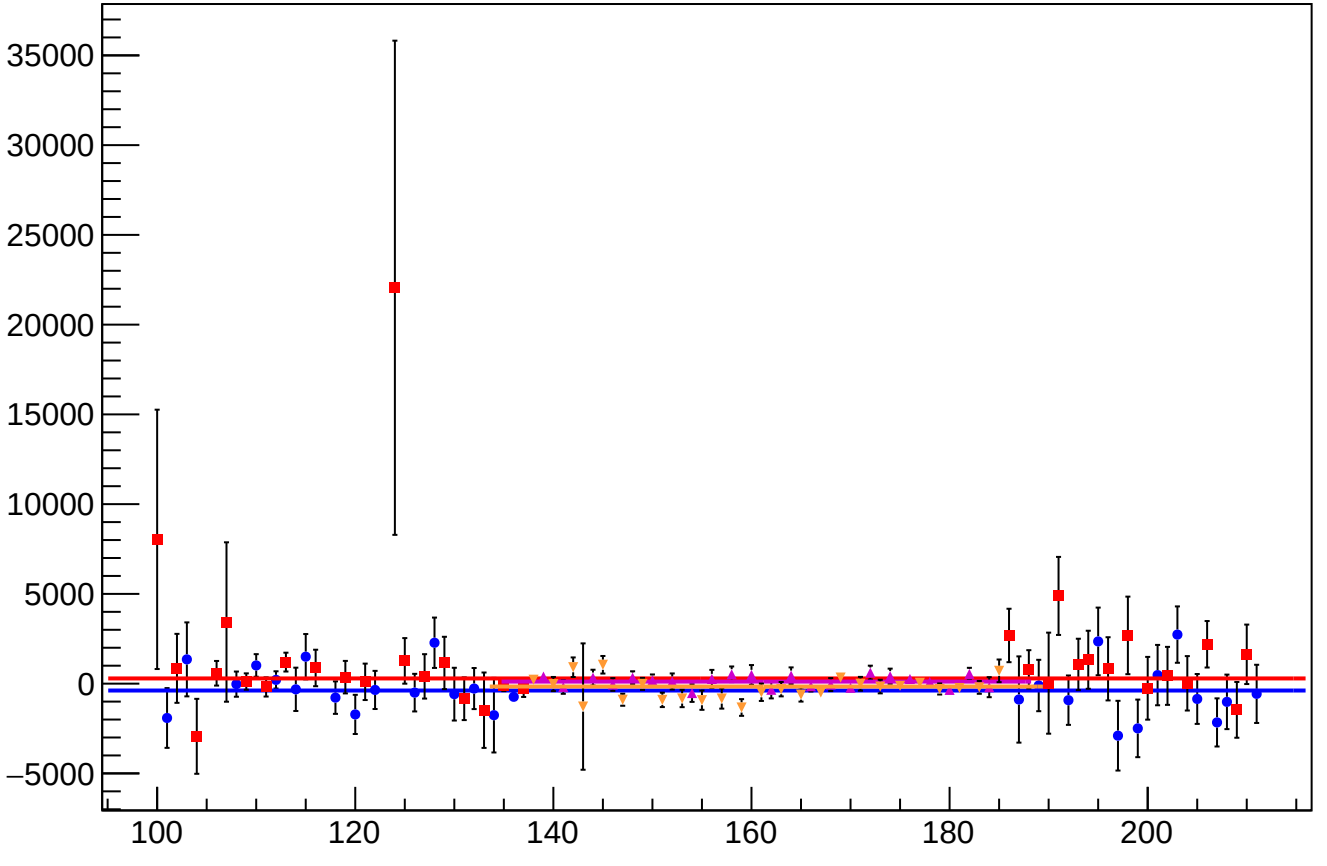
Right: 1279.517+/-0.156 χ^2/NDF: 914337.8/60

In: 1267.958+/-0.152 χ^2/NDF:557074.3/50

Out: 1260.629+/-0.147 χ^2/NDF:535848.3/57

All: 1264.163+/-0.106 χ^2/NDF: 1094122.5/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.989+/-159.340 χ^2/NDF: 30.5/27

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 290.097+/-157.449 χ^2/NDF: 30.0/32

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

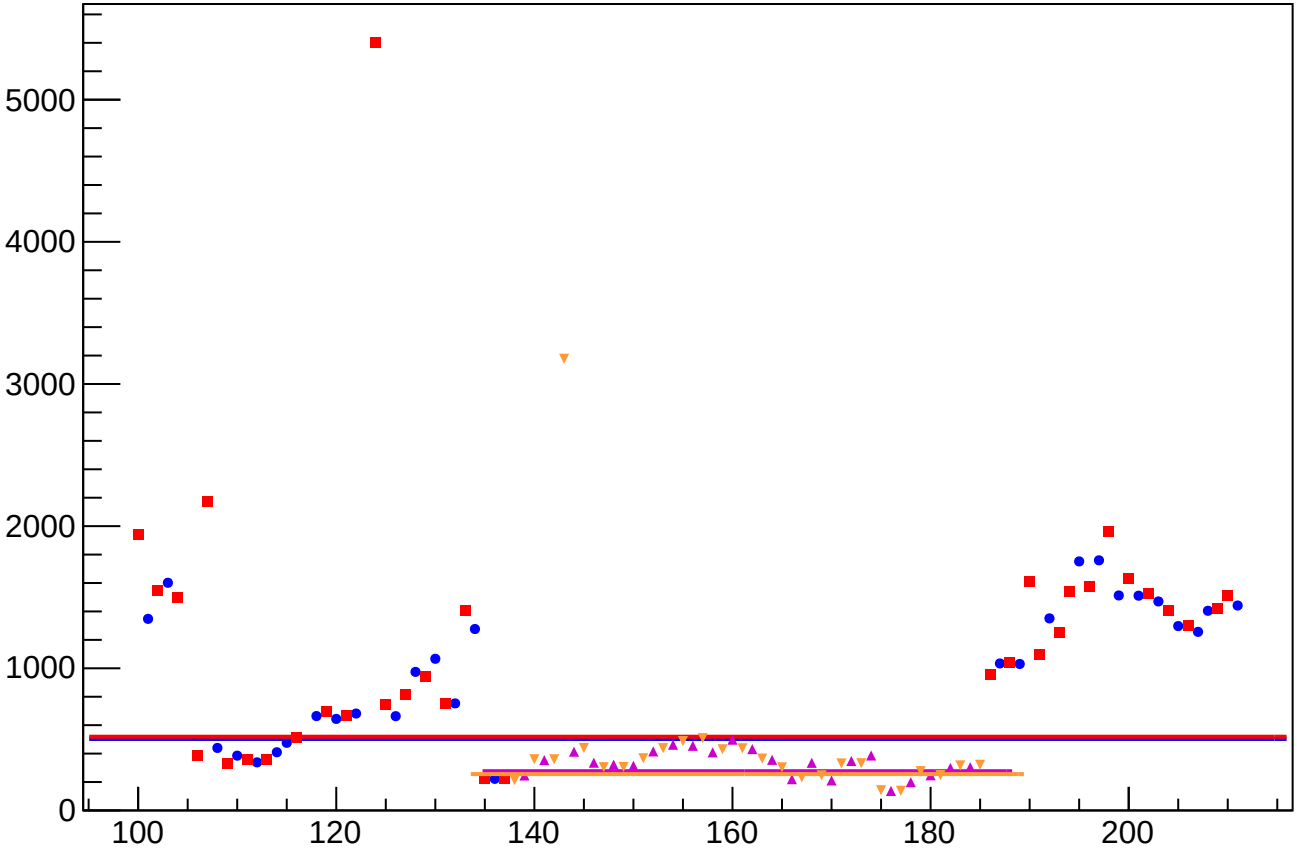
Right: -42.428+/-111.996 χ^2/NDF: 69.5/60

In: 35.592+/-63.195 χ^2/NDF:56.8/50

Out: -96.747+/-59.395 χ^2/NDF:80.8/57

All: -34.677+/-43.279 χ^2/NDF: 140.0/108

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 502.779+/-0.113 χ^2/NDF: 13117690.3/27

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 518.749+/-0.111 χ^2/NDF: 14250349.1/32

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

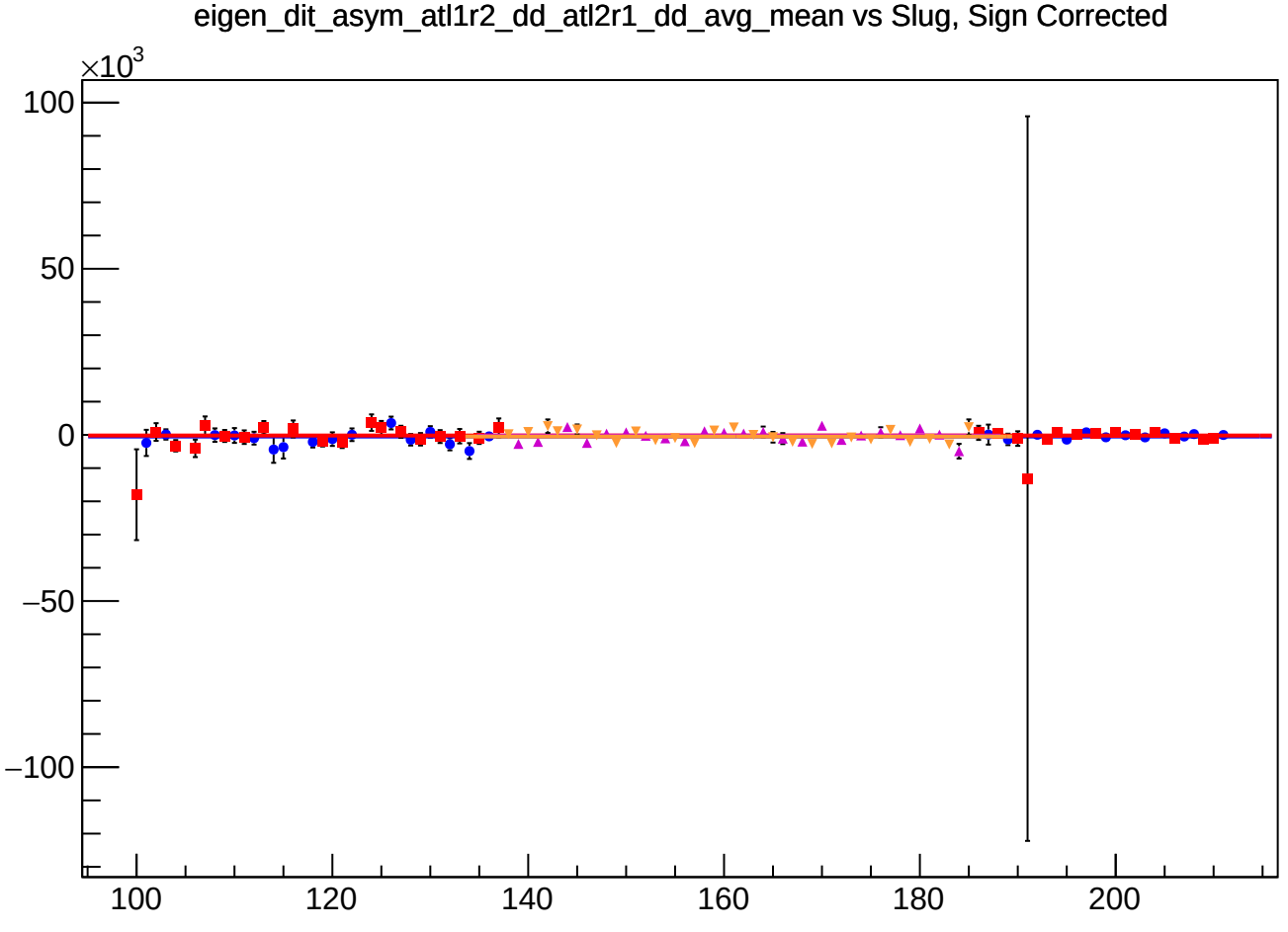
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 510.859+/-0.079 χ^2/NDF: 27378204.3/60

In: 311.923+/-0.045 χ^2/NDF:20550107.9/50

Out: 293.191+/-0.042 χ^2/NDF:25409846.1/57

All: 301.977+/-0.031 χ^2/NDF: 46053253.8/10



Right In: -479.458+/-315.819 χ^2/NDF: 16.7/27

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -194.371+/-306.419 χ^2/NDF: 22.5/32

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

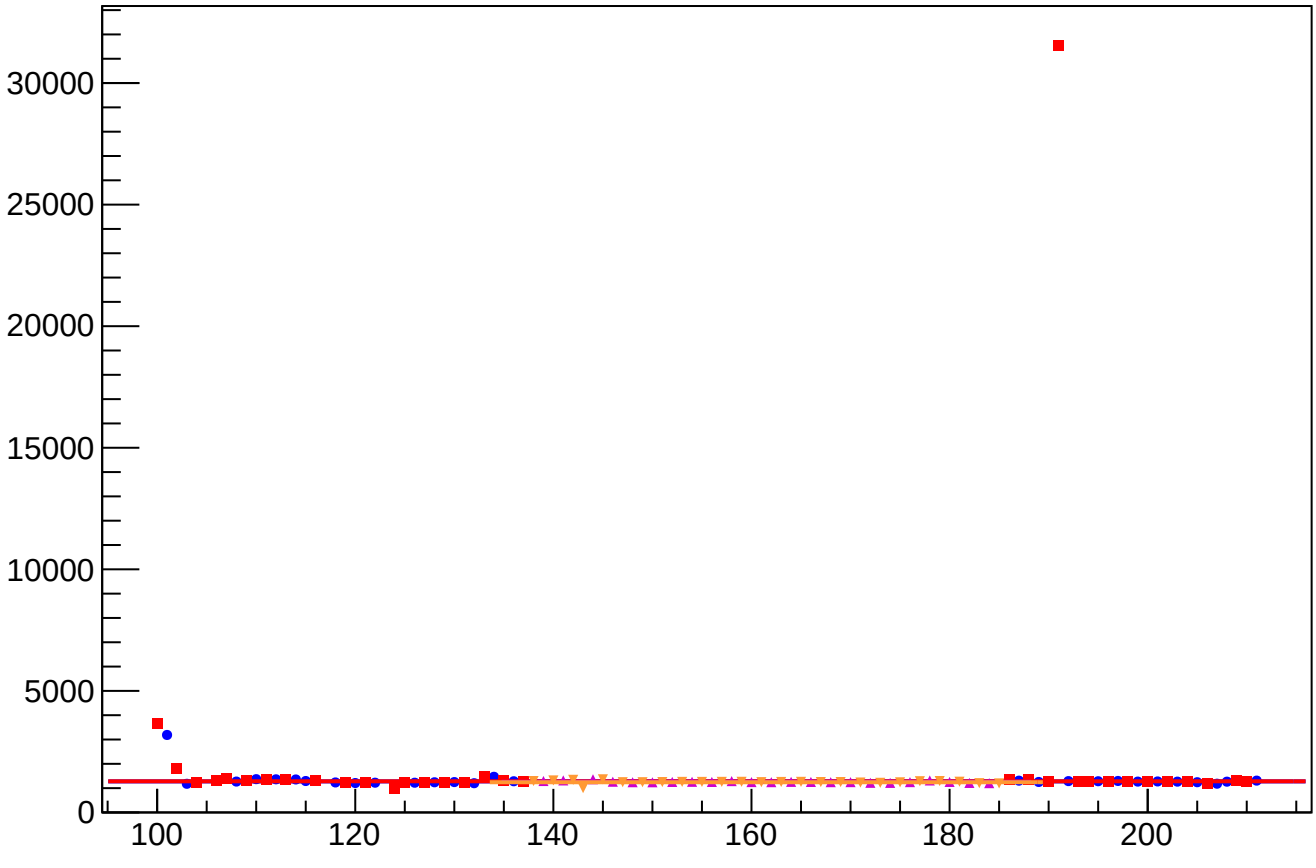
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -332.609+/-219.919 χ^2/NDF: 39.6/60

In: -352.382+/-215.323 χ^2/NDF:47.7/50

Out: -355.907+/-207.793 χ^2/NDF:57.2/57

All: -354.207+/-149.523 χ^2/NDF: 104.9/108



Right In: 1277.011+/-0.223 χ^2/NDF: 526071.0/27

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.875+/-0.217 χ^2/NDF: 388022.8/32

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

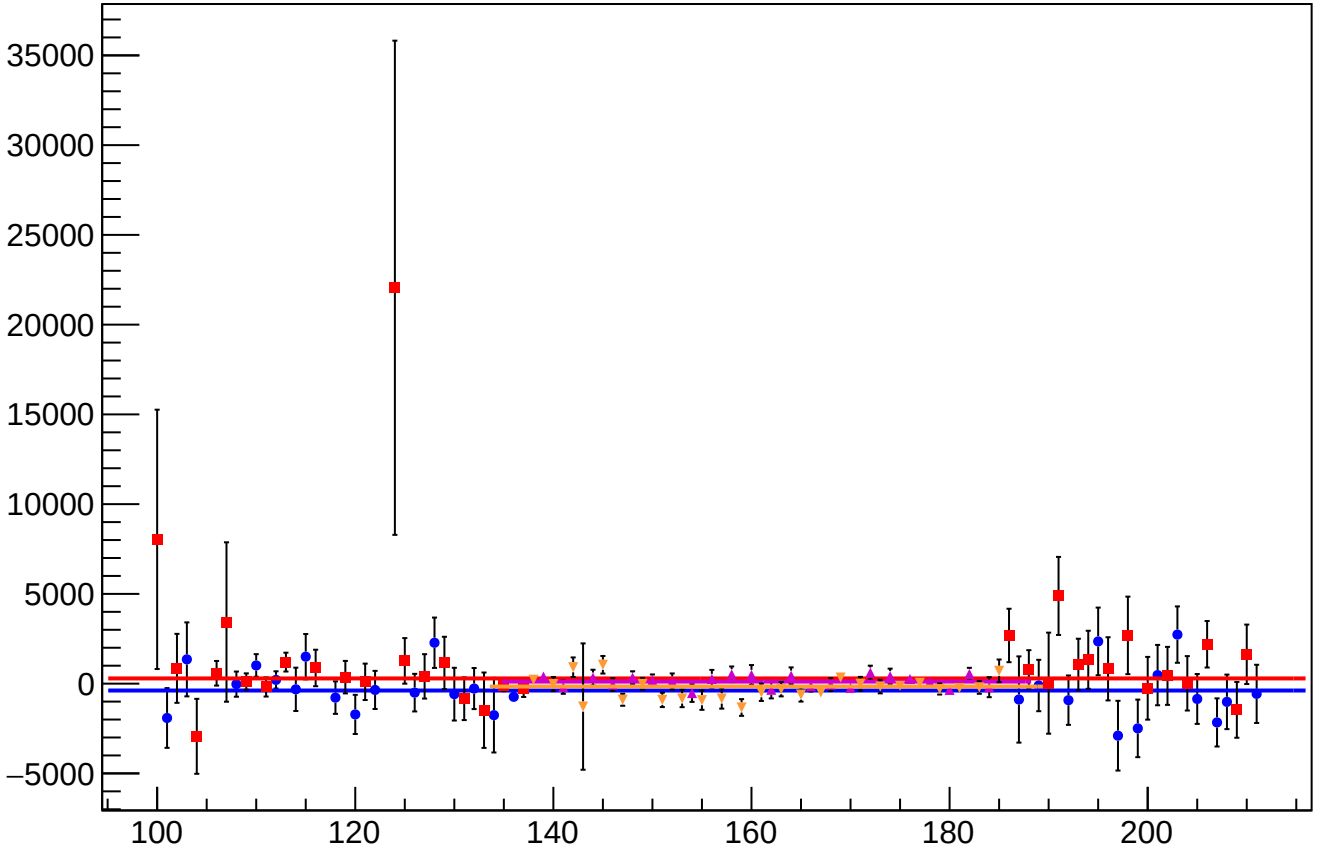
Right: 1279.517+/-0.156 χ^2/NDF: 914338.1/60

In: 1267.958+/-0.152 χ^2/NDF:557074.4/50

Out: 1260.629+/-0.147 χ^2/NDF:535847.7/57

All: 1264.163+/-0.106 χ^2/NDF: 1094121.9/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.990+/-159.343 χ^2/NDF: 30.5/27

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 290.105+/-157.451 χ^2/NDF: 30.0/32

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

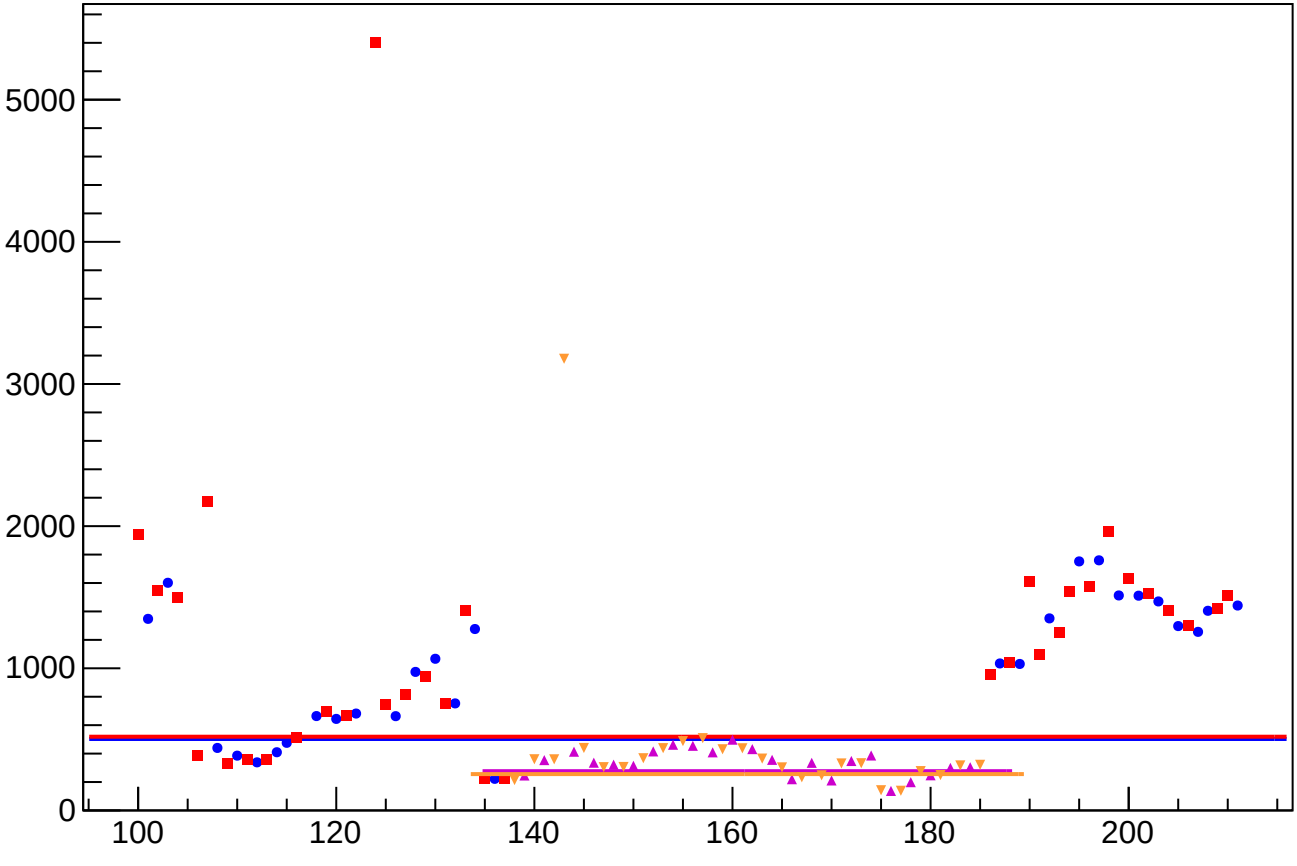
Right: -42.423+/-111.997 χ^2/NDF: 69.5/60

In: 35.592+/-63.195 χ^2/NDF:56.8/50

Out: -96.750+/-59.395 χ^2/NDF:80.8/57

All: -34.678+/-43.280 χ^2/NDF: 140.0/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 502.792+/-0.113 χ^2/NDF: 13117305.3/27

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 518.759+/-0.111 χ^2/NDF: 14250040.9/32

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

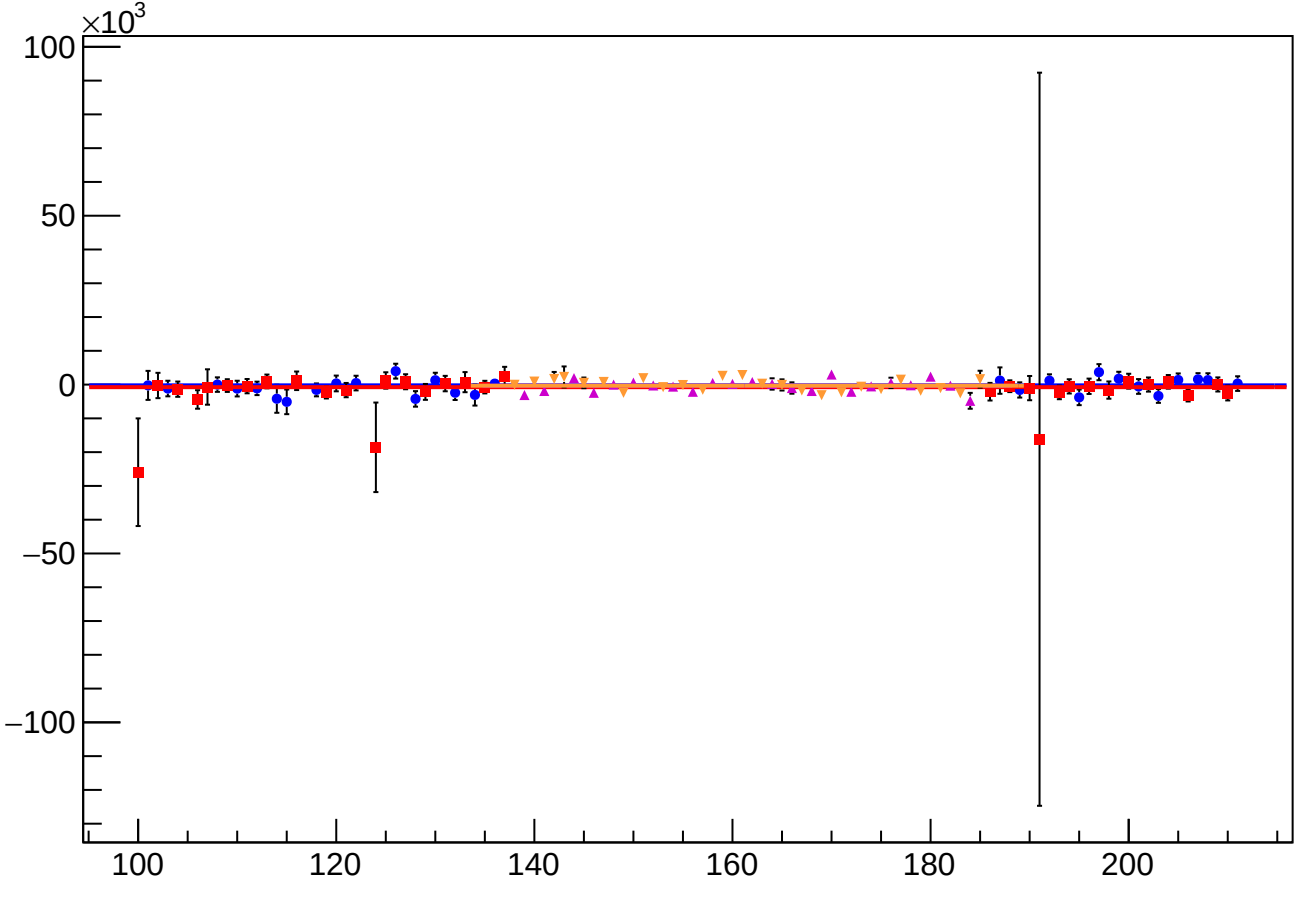
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 510.871+/-0.079 χ^2/NDF: 27377507.5/60

In: 311.924+/-0.045 χ^2/NDF:20549955.8/50

Out: 293.193+/-0.042 χ^2/NDF:25409647.8/57

All: 301.979+/-0.031 χ^2/NDF: 46052898.1/10



Right In: -222.335+/-417.031 χ^2/NDF: 24.6/27

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -762.763+/-410.638 χ^2/NDF: 16.7/32

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

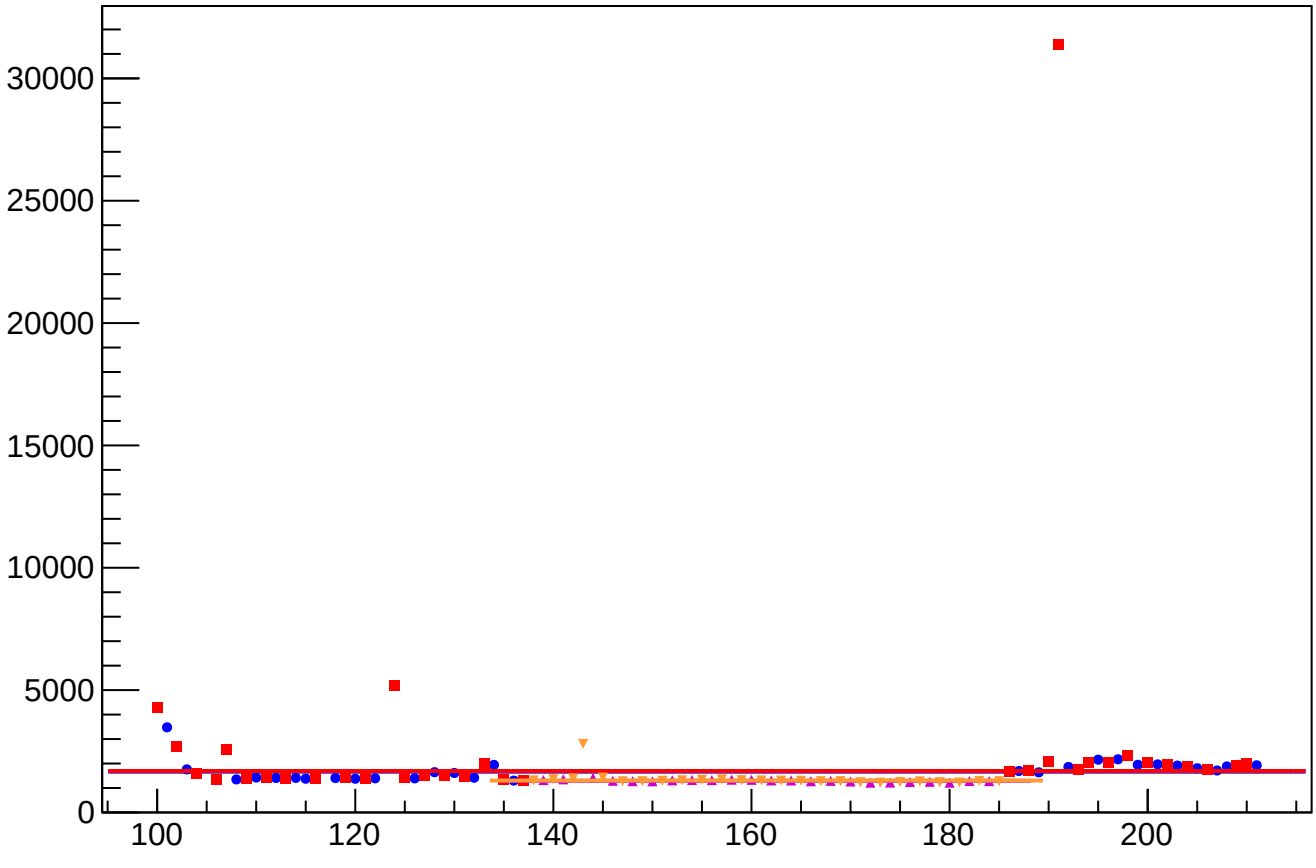
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -496.723+/-292.599 χ^2/NDF: 42.2/60

In: -310.291+/-244.547 χ^2/NDF:54.4/50

Out: -472.752+/-241.327 χ^2/NDF:49.0/57

All: -392.598+/-171.771 χ^2/NDF: 103.6/108



Right In: 1668.386+/-0.295 χ^2/NDF: 1159771.1/27

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1693.505+/-0.290 χ^2/NDF: 1441660.0/32

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

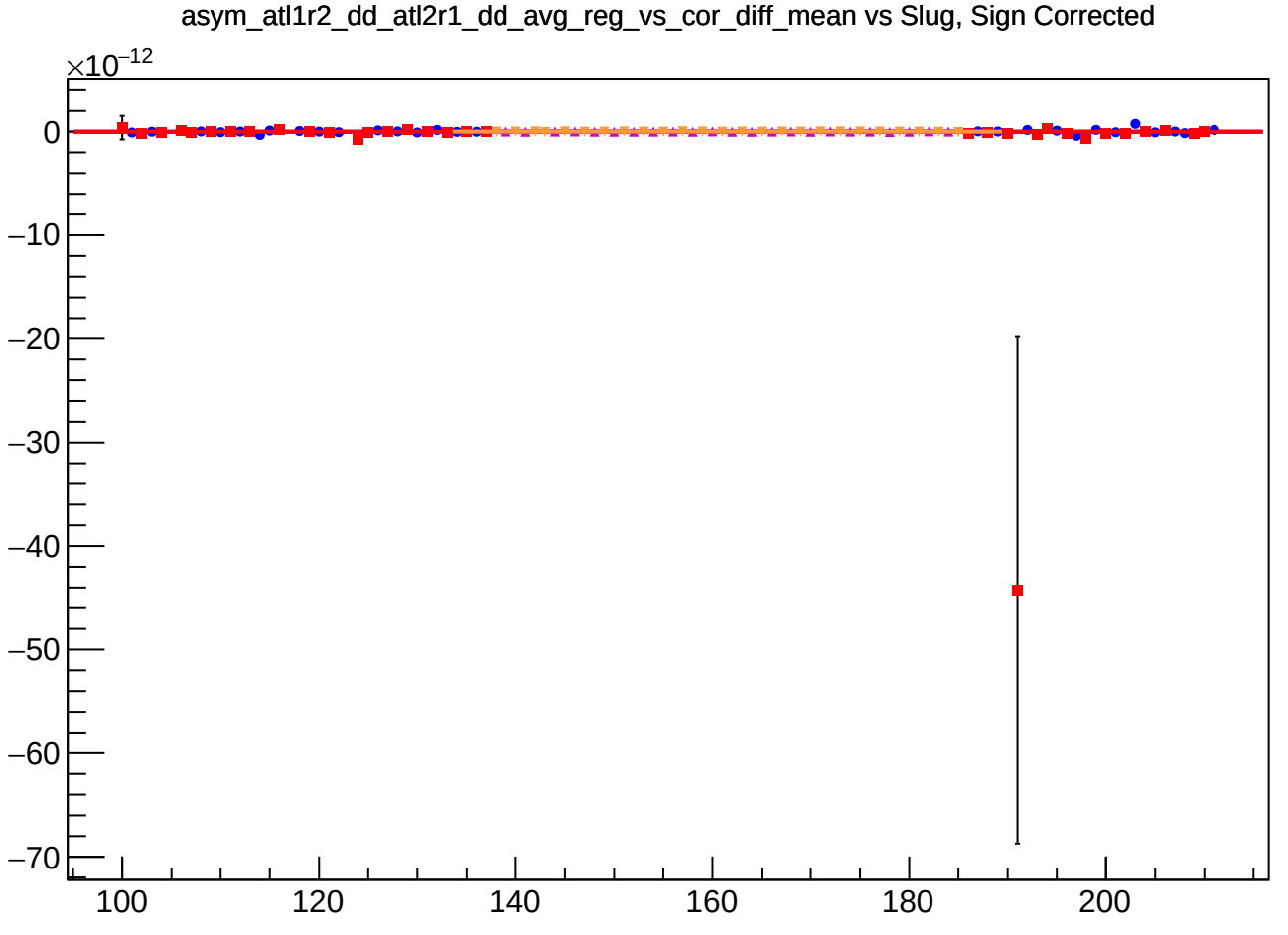
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1681.140+/-0.207 χ^2/NDF: 2605115.1/60

In: 1421.507+/-0.173 χ^2/NDF:2276357.4/50

Out: 1438.629+/-0.171 χ^2/NDF:3138282.5/57

All: 1430.181+/-0.121 χ^2/NDF: 5419606.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.4/32

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

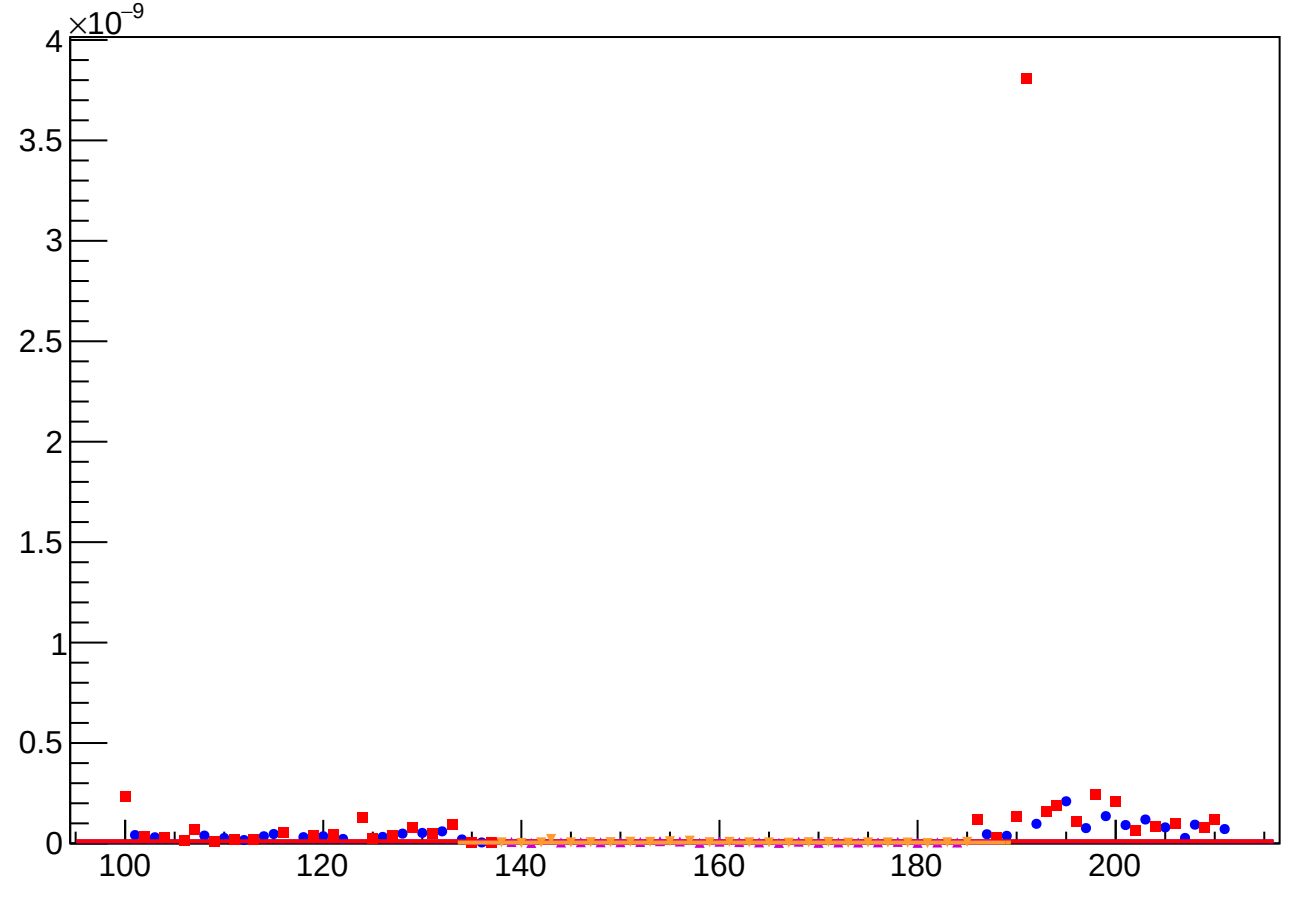
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 69.5/60

In: -0.000+/-0.000 χ^2/NDF:62.6/50

Out: -0.000+/-0.000 χ^2/NDF:65.7/57

All: -0.000+/-0.000 χ^2/NDF: 128.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 7955524.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10597782.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

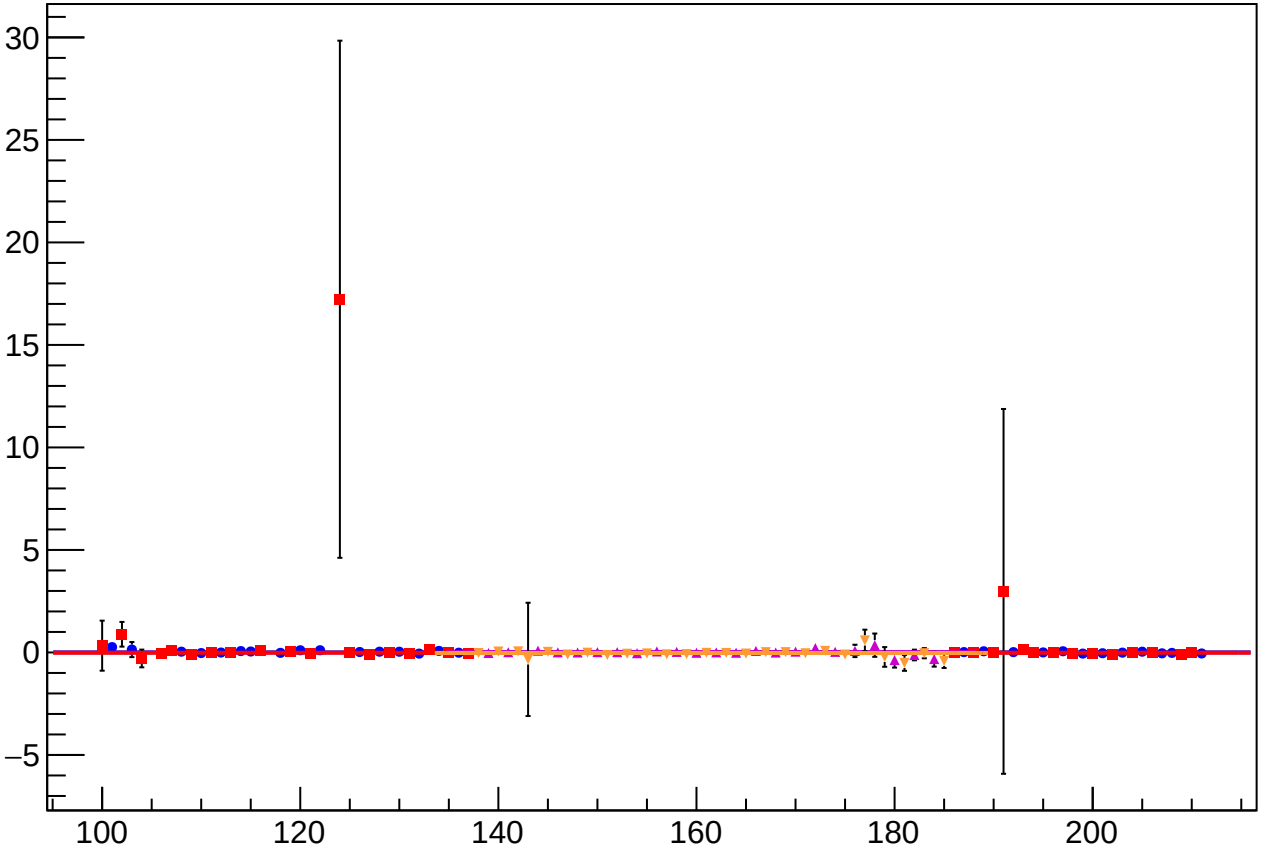
Right: 0.000+/-0.000 χ^2/NDF: 18562122.0/60

In: 0.000+/-0.000 χ^2/NDF:10828735.7/50

Out: 0.000+/-0.000 χ^2/NDF:14530356.4/57

All: 0.000+/-0.000 χ^2/NDF: 25387237.5/108

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

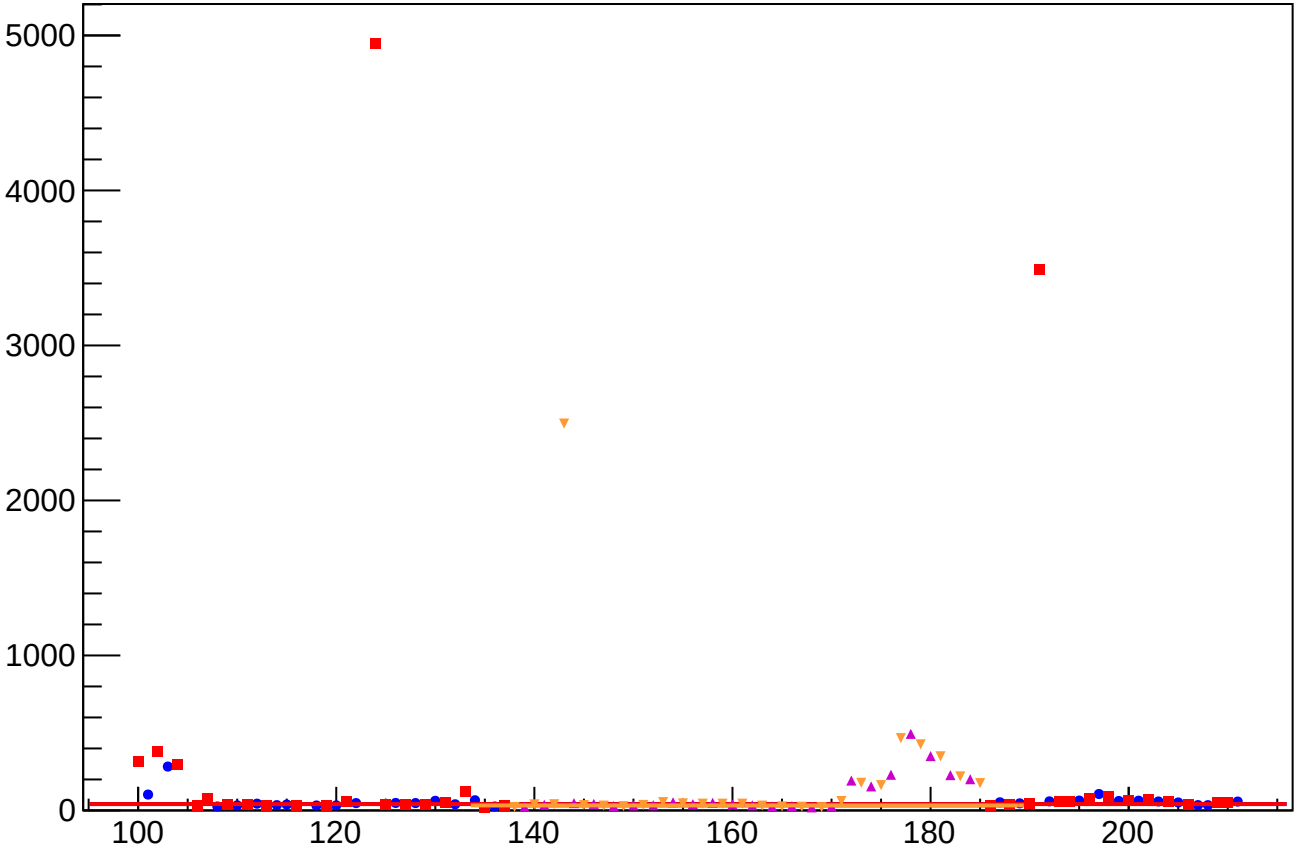
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

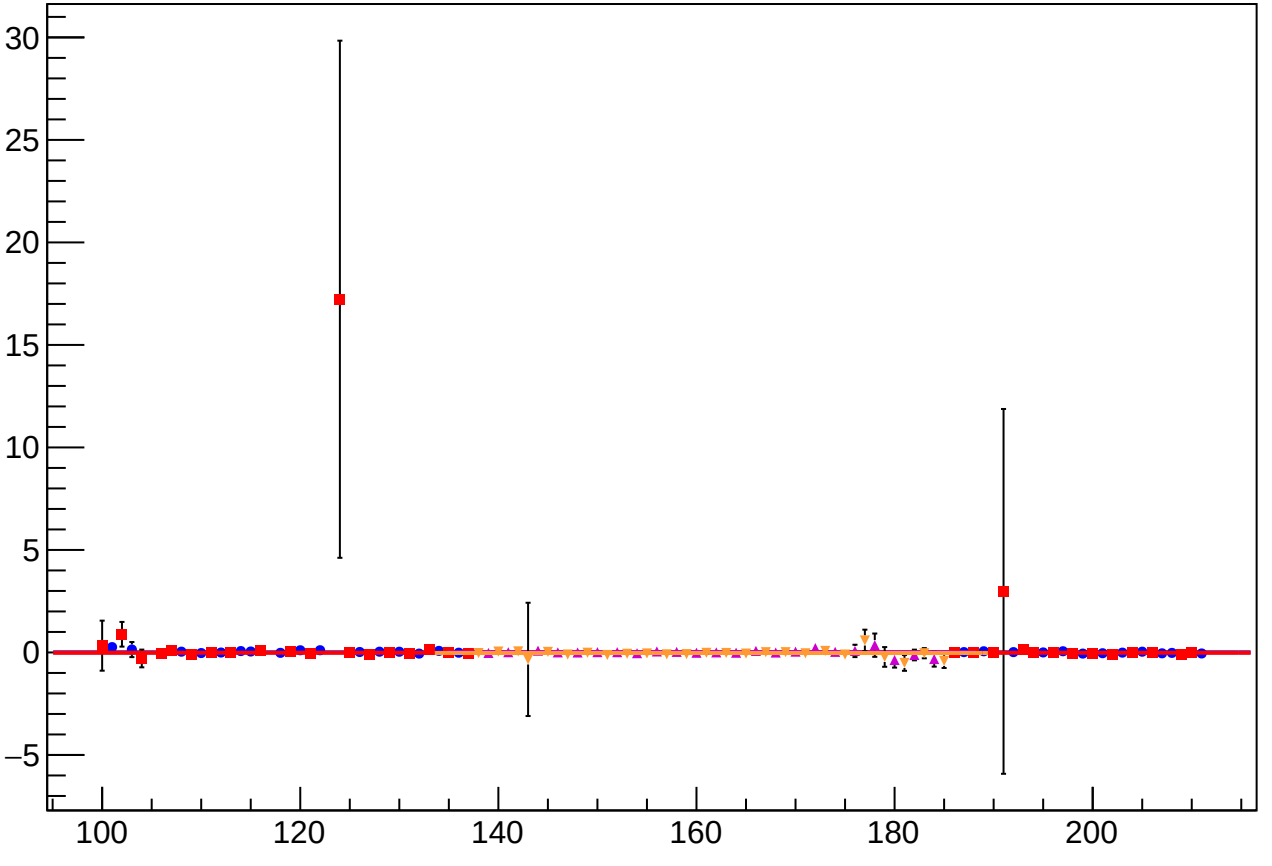
Right: 41.313+/-0.006 χ^2/NDF: 9765406.1/60

In: 36.242+/-0.005 χ^2/NDF:13897567.0/50

Out: 36.091+/-0.005 χ^2/NDF:17053095.0/57

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

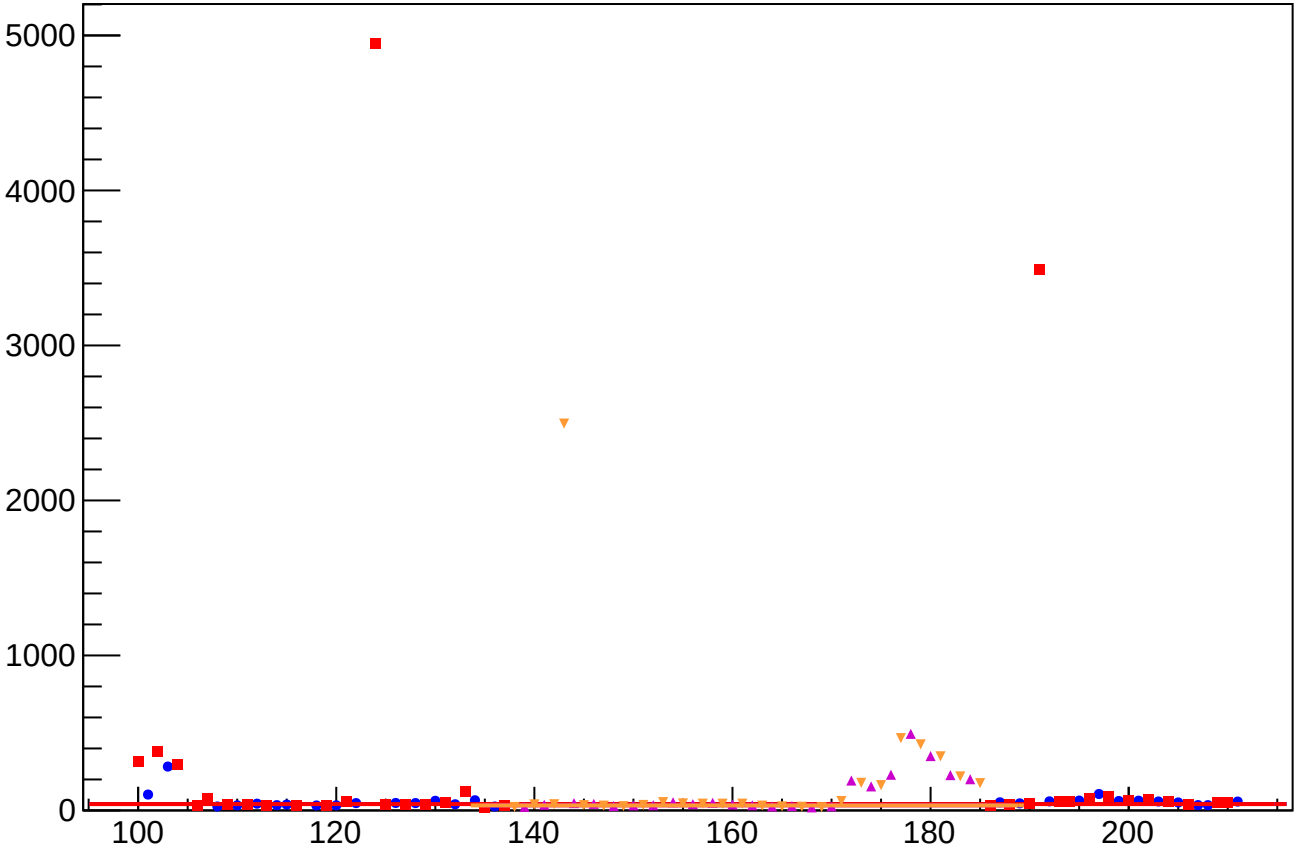
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250736.0/27

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5513174.4/32

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

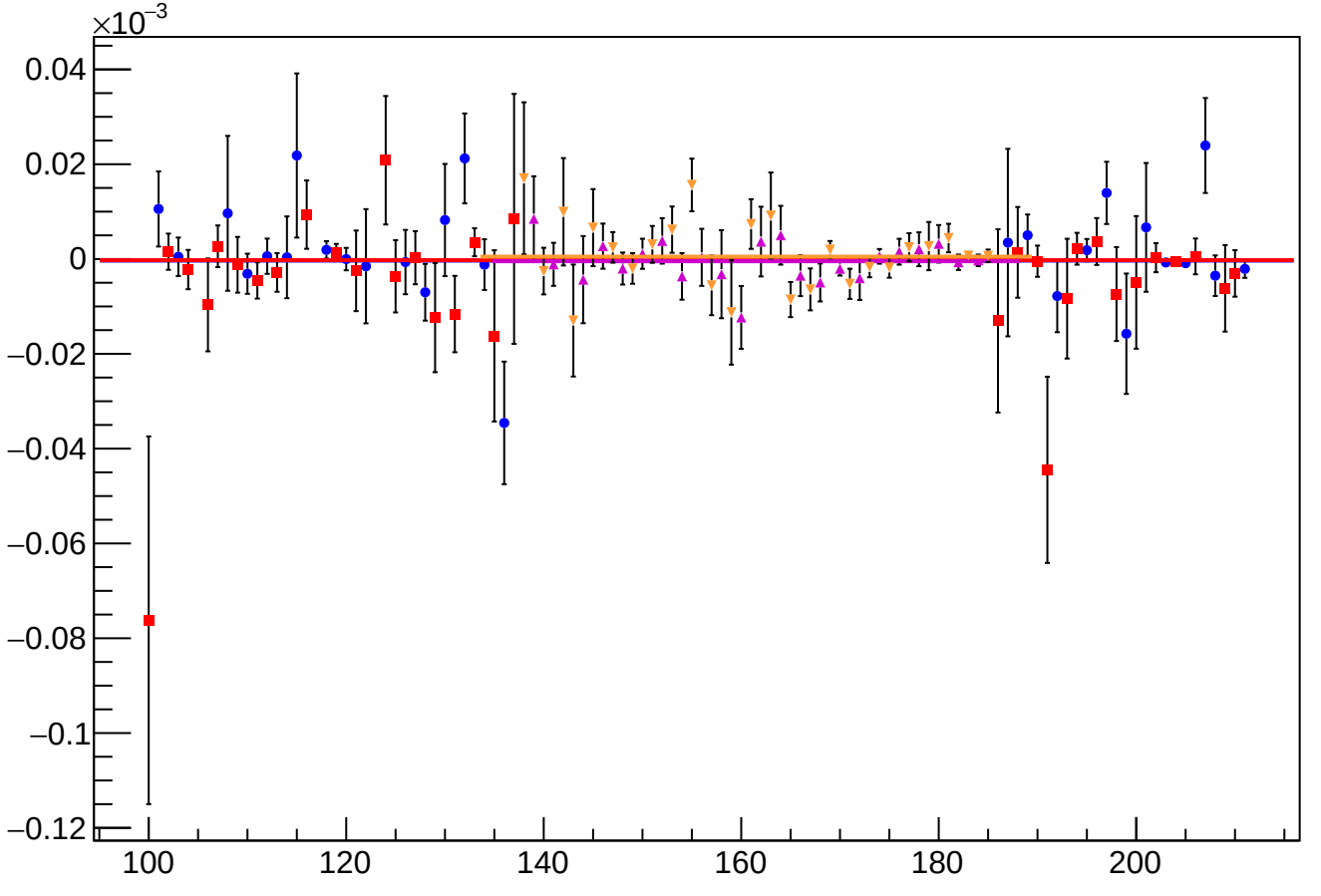
Right: 41.313+/-0.006 χ^2/NDF: 9765406.1/60

In: 36.242+/-0.005 χ^2/NDF:13897567.0/50

Out: 36.091+/-0.005 χ^2/NDF:17053095.0/57

All: 36.165+/-0.004 χ^2/NDF: 30951086.2/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/32

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

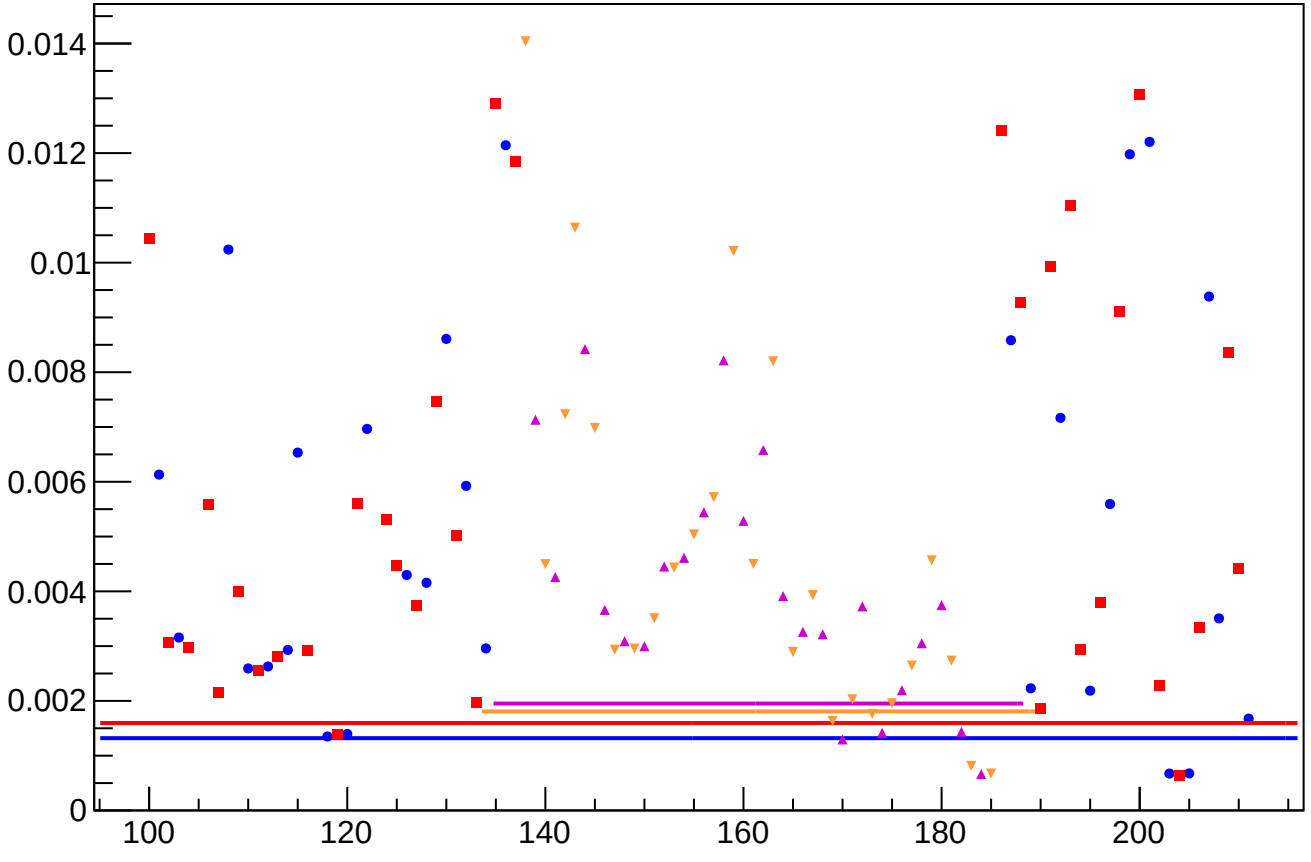
Right: -0.000+/-0.000 χ^2/NDF: 64.6/60

In: -0.000+/-0.000 χ^2/NDF:51.4/50

Out: 0.000+/-0.000 χ^2/NDF:63.5/57

All: -0.000+/-0.000 χ^2/NDF: 115.9/108

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: 15949446.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17195668.7/32

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

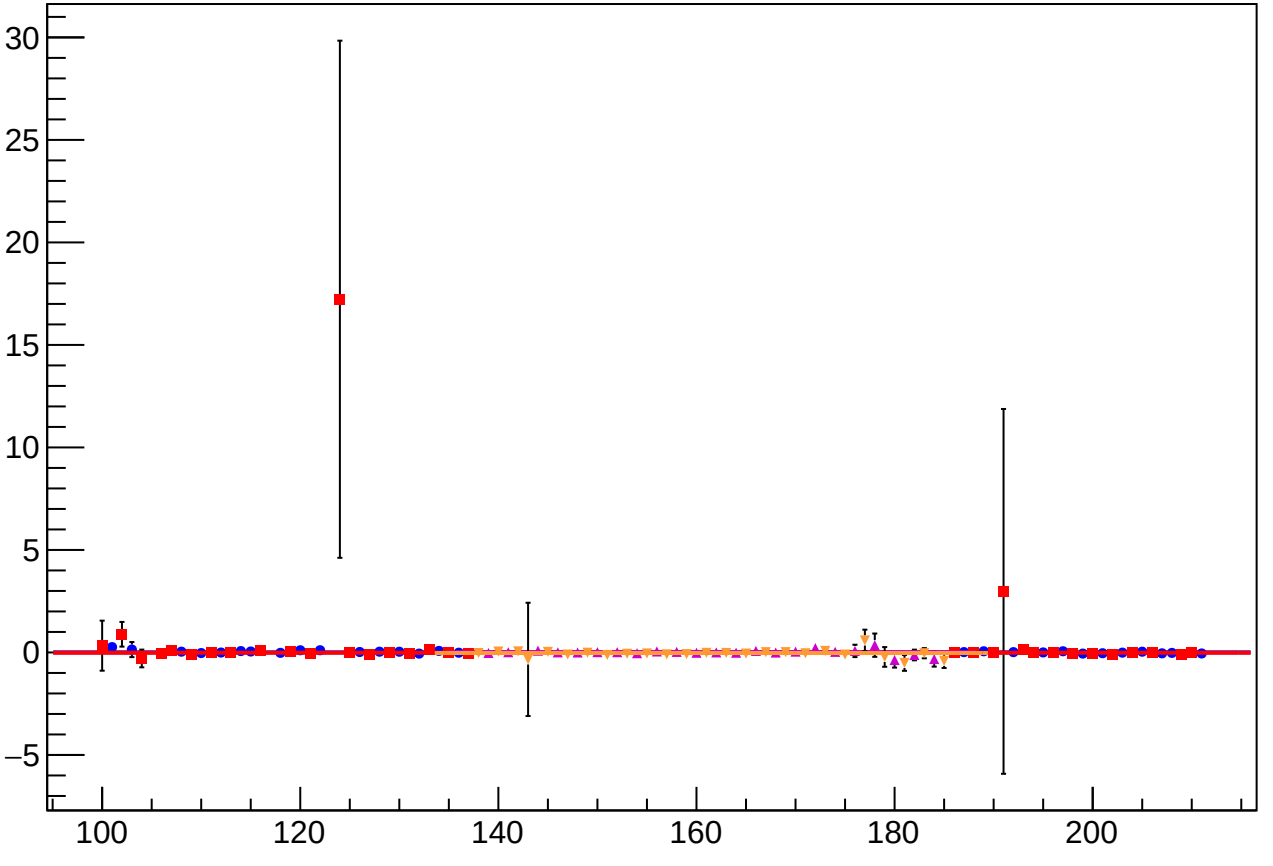
Right: 0.001+/-0.000 χ^2/NDF: 33421223.3/60

In: 0.002+/-0.000 χ^2/NDF:28780536.0/50

Out: 0.002+/-0.000 χ^2/NDF:32282571.7/57

All: 0.002+/-0.000 χ^2/NDF: 61165156.4/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

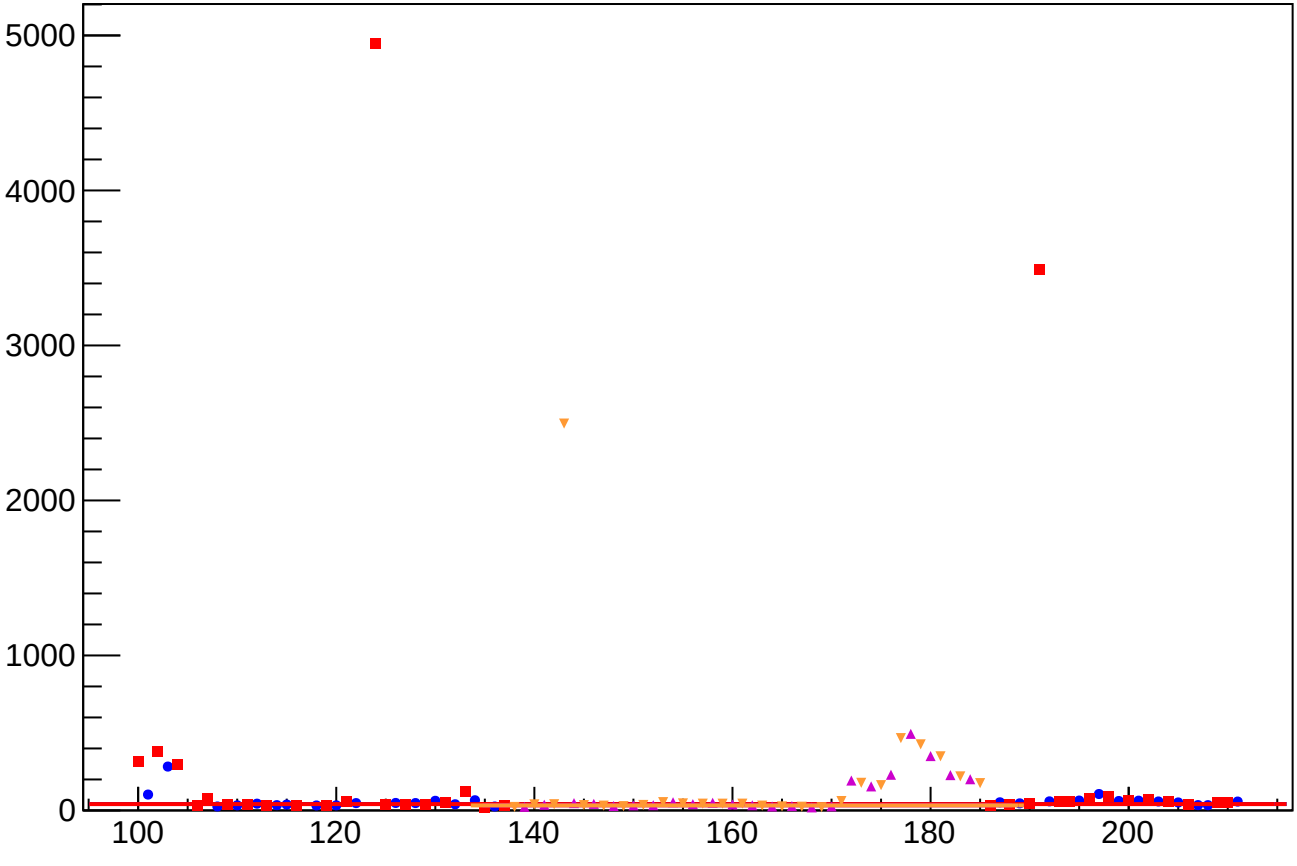
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

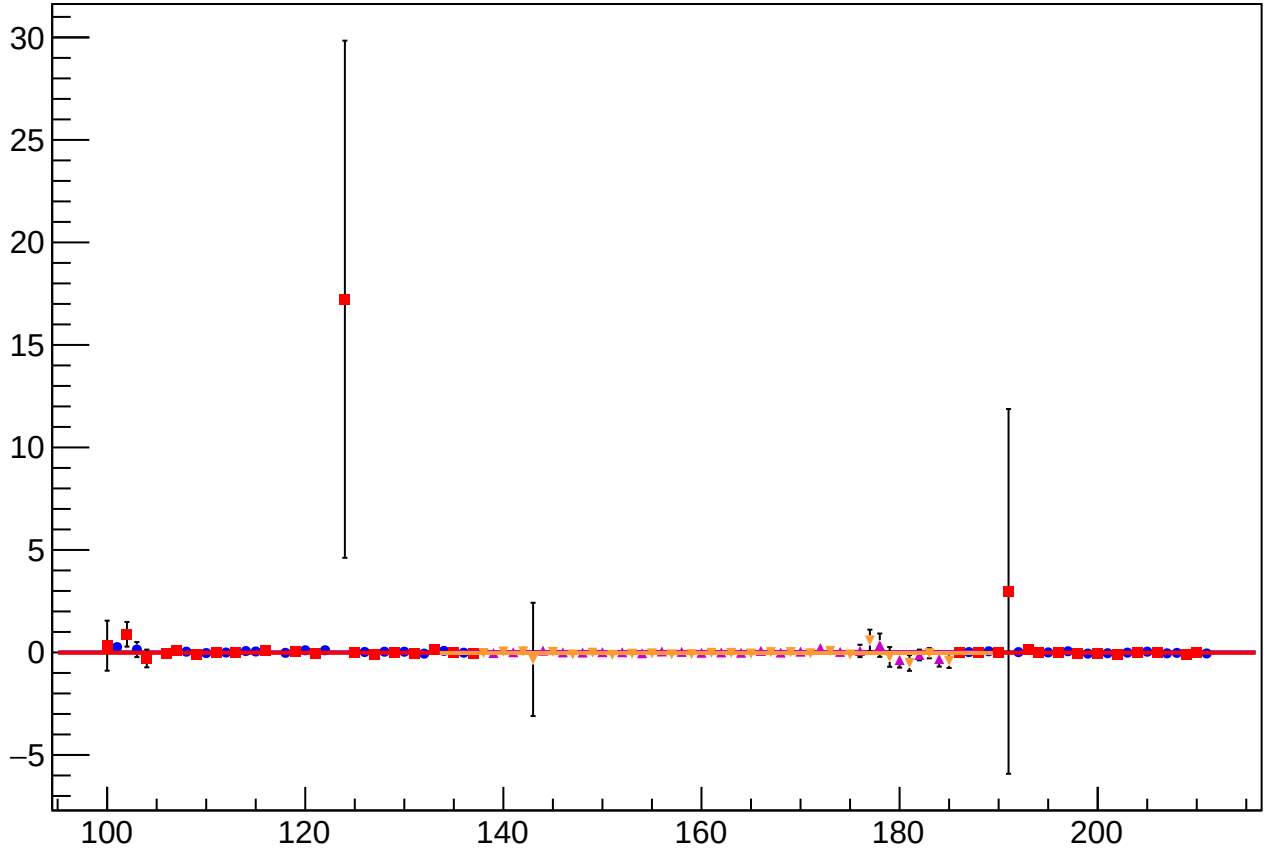
Right: 41.313+/-0.006 χ^2/NDF: 9764855.3/60

In: 36.241+/-0.005 χ^2/NDF:13898083.6/50

Out: 36.091+/-0.005 χ^2/NDF:17053189.1/57

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 16.9/27

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.011 χ^2/NDF: 26.8/32

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

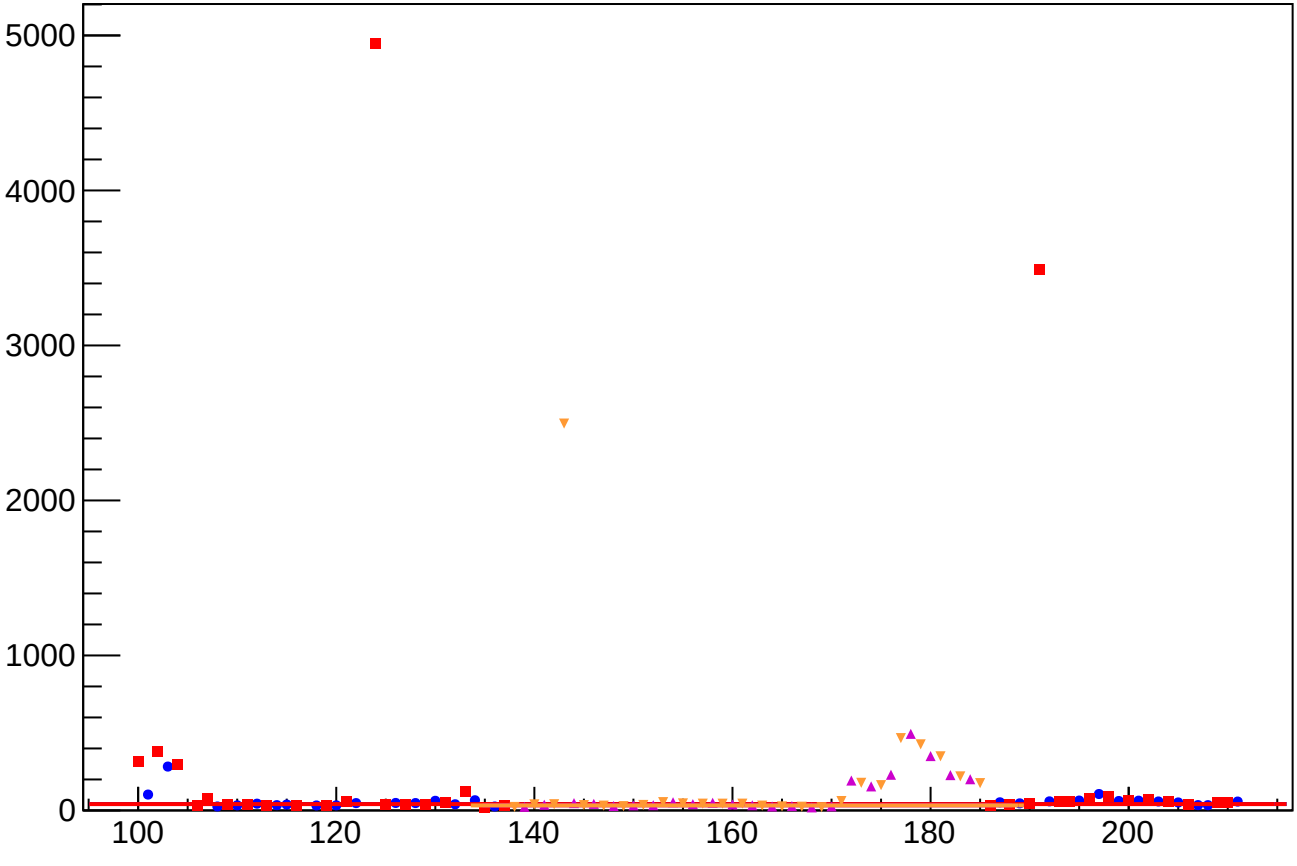
Right: -0.005+/-0.008 χ^2/NDF: 44.8/60

In: 0.008+/-0.007 χ^2/NDF:30.3/50

Out: -0.022+/-0.007 χ^2/NDF:55.8/57

All: -0.007+/-0.005 χ^2/NDF: 94.5/108

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.542+/-0.008 χ^2/NDF: 4250390.8/27

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.097+/-0.008 χ^2/NDF: 5512968.5/32

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

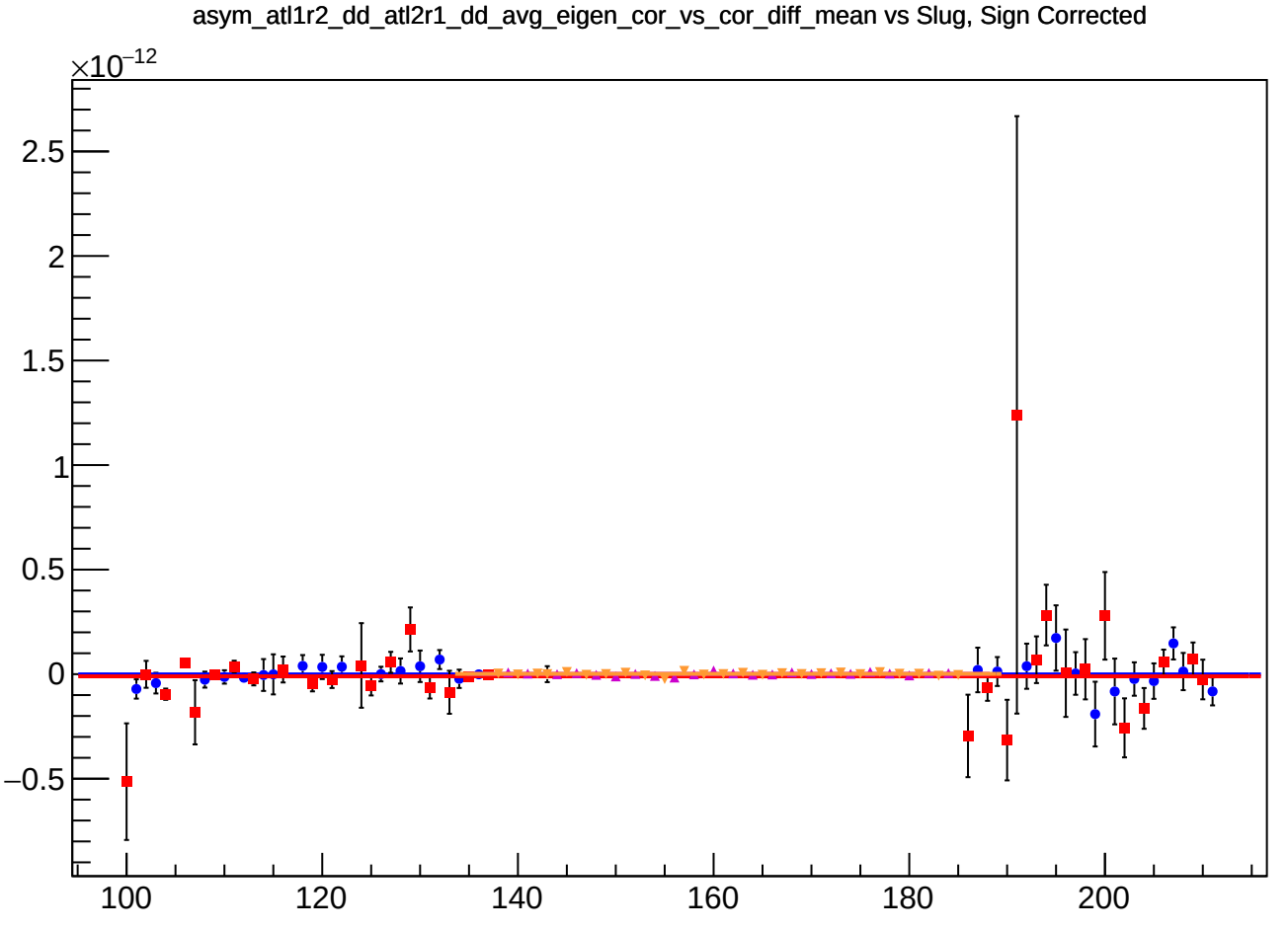
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.313+/-0.006 χ^2/NDF: 9764855.3/60

In: 36.241+/-0.005 χ^2/NDF:13898083.6/50

Out: 36.091+/-0.005 χ^2/NDF:17053189.1/57

All: 36.165+/-0.004 χ^2/NDF: 30951692.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/32

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

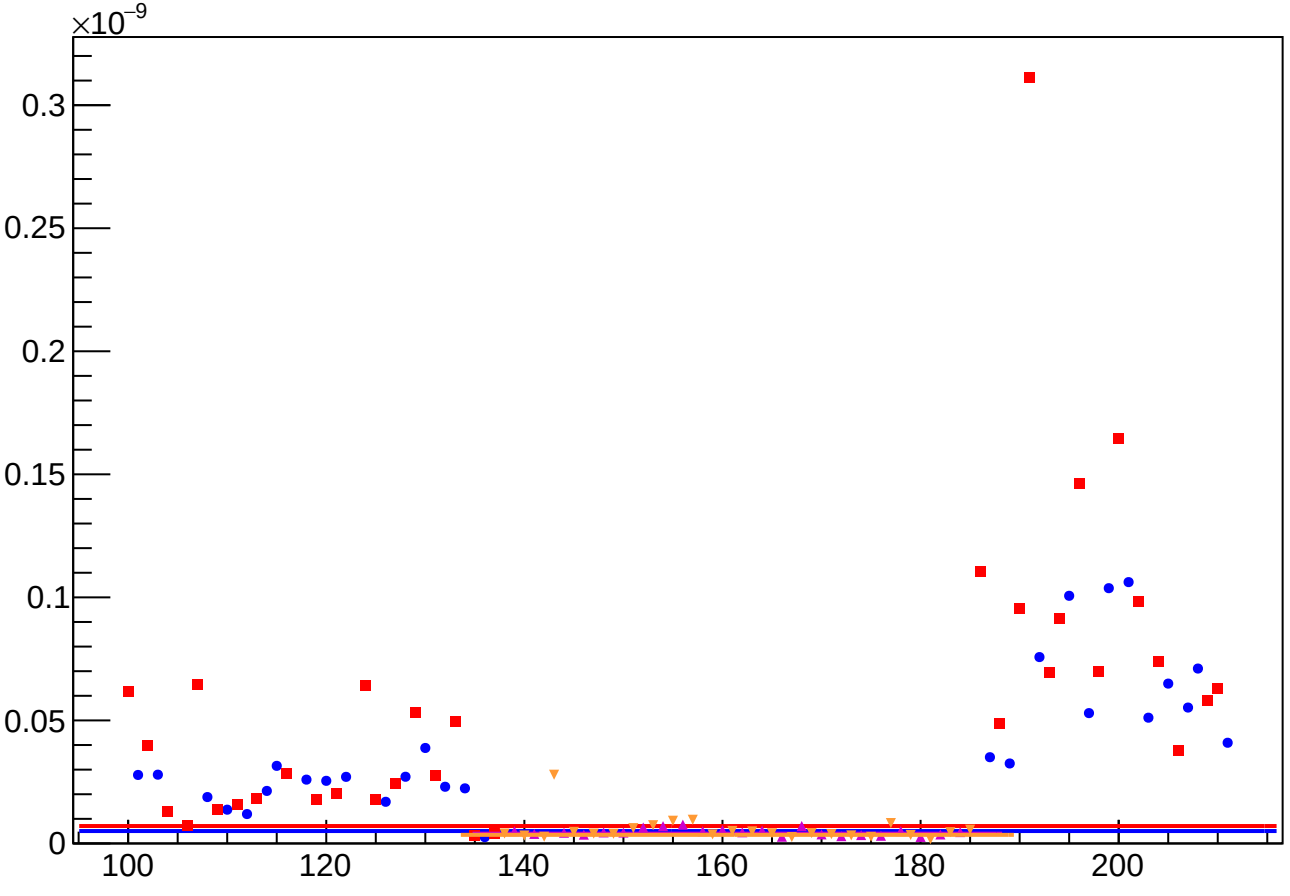
Right: -0.000+/-0.000 χ^2/NDF: 80.5/60

In: 0.000+/-0.000 χ^2/NDF:46.5/50

Out: 0.000+/-0.000 χ^2/NDF:86.0/57

All: 0.000+/-0.000 χ^2/NDF: 132.5/108

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: 13558924.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14430721.4/32

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

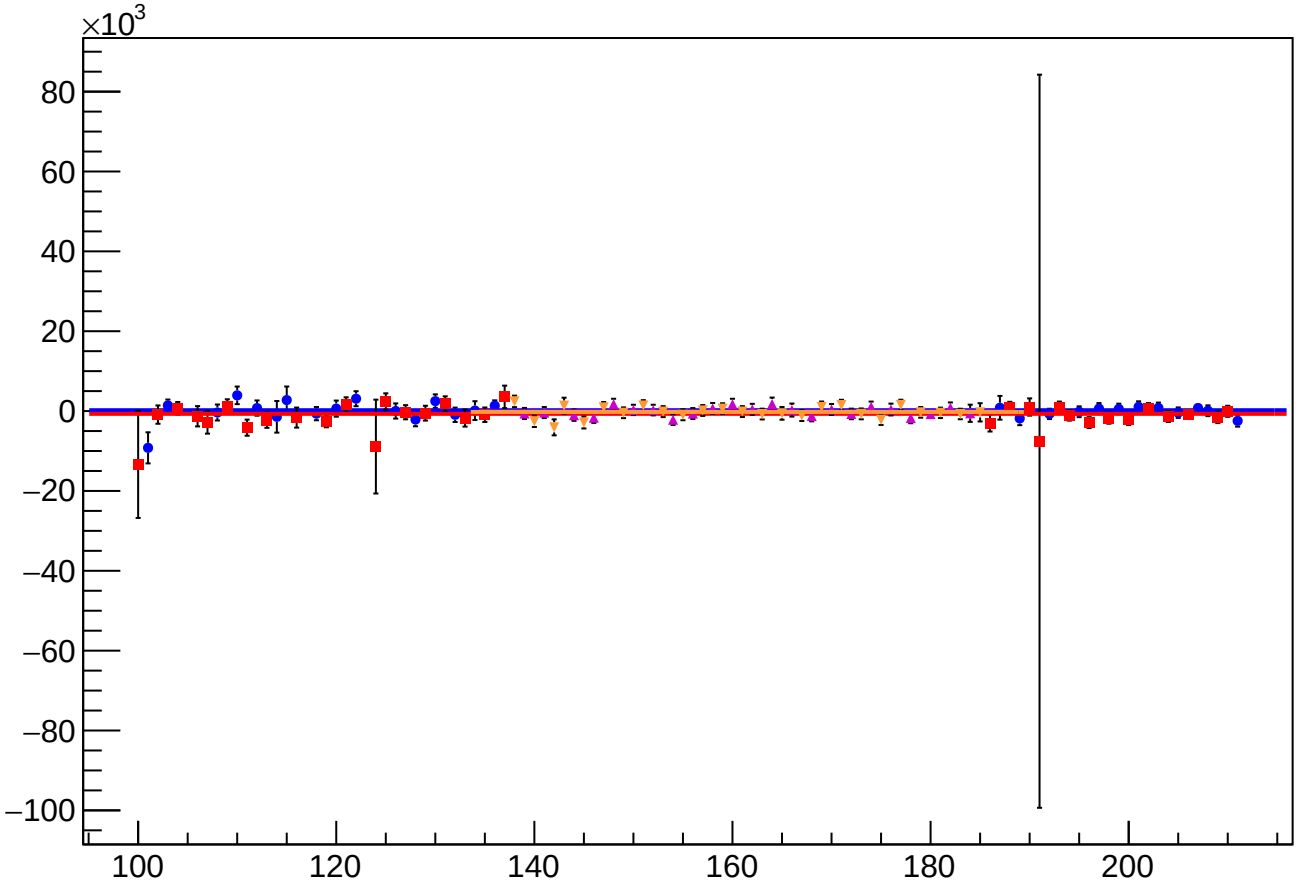
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 28280038.4/60

In: 0.000+/-0.000 χ^2/NDF:15810375.5/50

Out: 0.000+/-0.000 χ^2/NDF:20532130.7/57

All: 0.000+/-0.000 χ^2/NDF: 36465183.0/108



Right In: 216.543+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -694.102+/-303.603 χ^2/NDF: 28.0/32

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

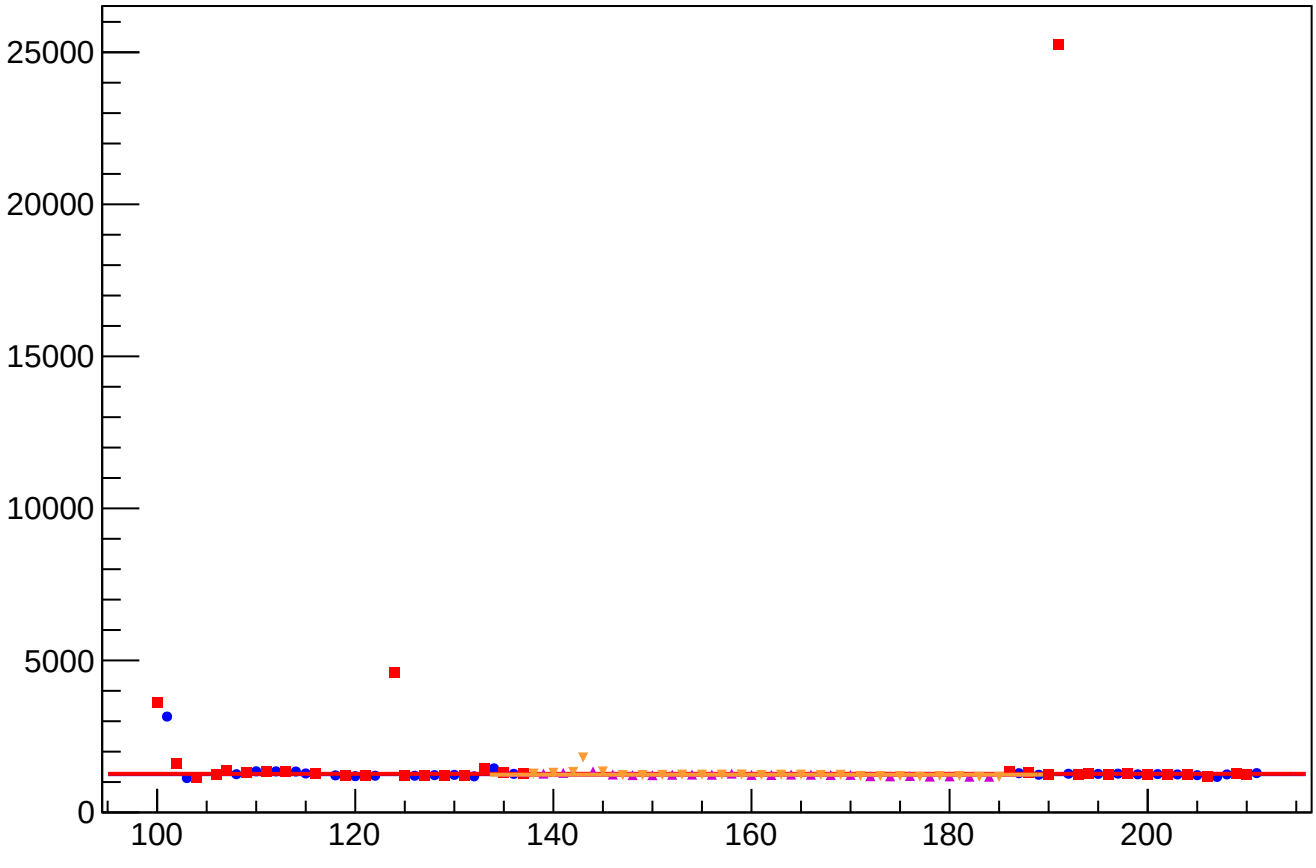
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -250.542+/-217.435 χ^2/NDF: 56.6/60

In: 50.070+/-211.569 χ^2/NDF:39.4/50

Out: -440.851+/-207.033 χ^2/NDF:53.2/57

All: -200.709+/-147.972 χ^2/NDF: 95.4/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535029.5/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.260+/-0.215 χ^2/NDF: 486678.6/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

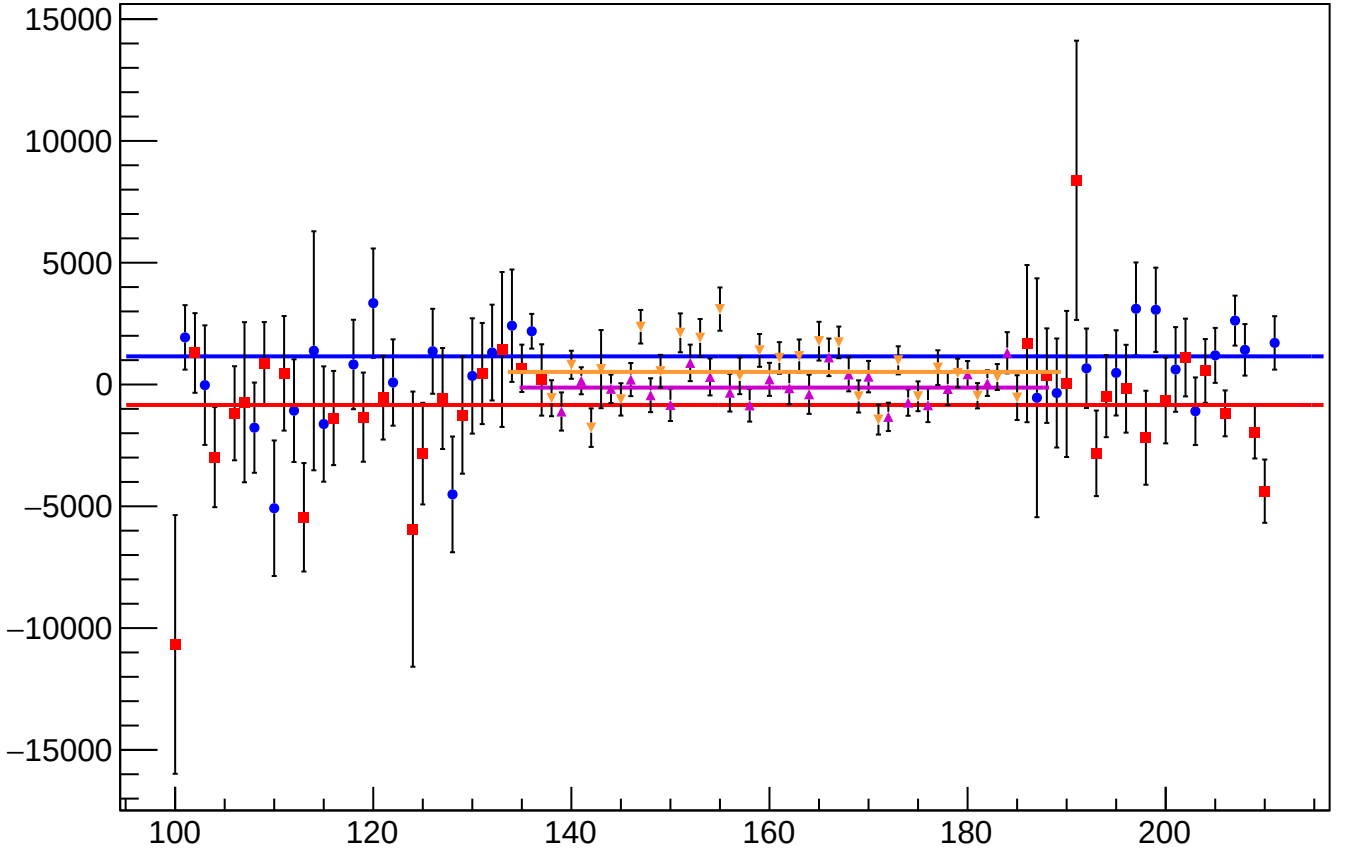
Right: 1265.082+/-0.154 χ^2/NDF: 1022902.4/60

In: 1245.686+/-0.150 χ^2/NDF:581746.5/50

Out: 1255.583+/-0.146 χ^2/NDF:698715.0/57

All: 1250.742+/-0.105 χ^2/NDF: 1282697.0/10

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 1155.637+/-296.418 χ^2/NDF: 28.4/27

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -840.628+/-304.190 χ^2/NDF: 34.5/32

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

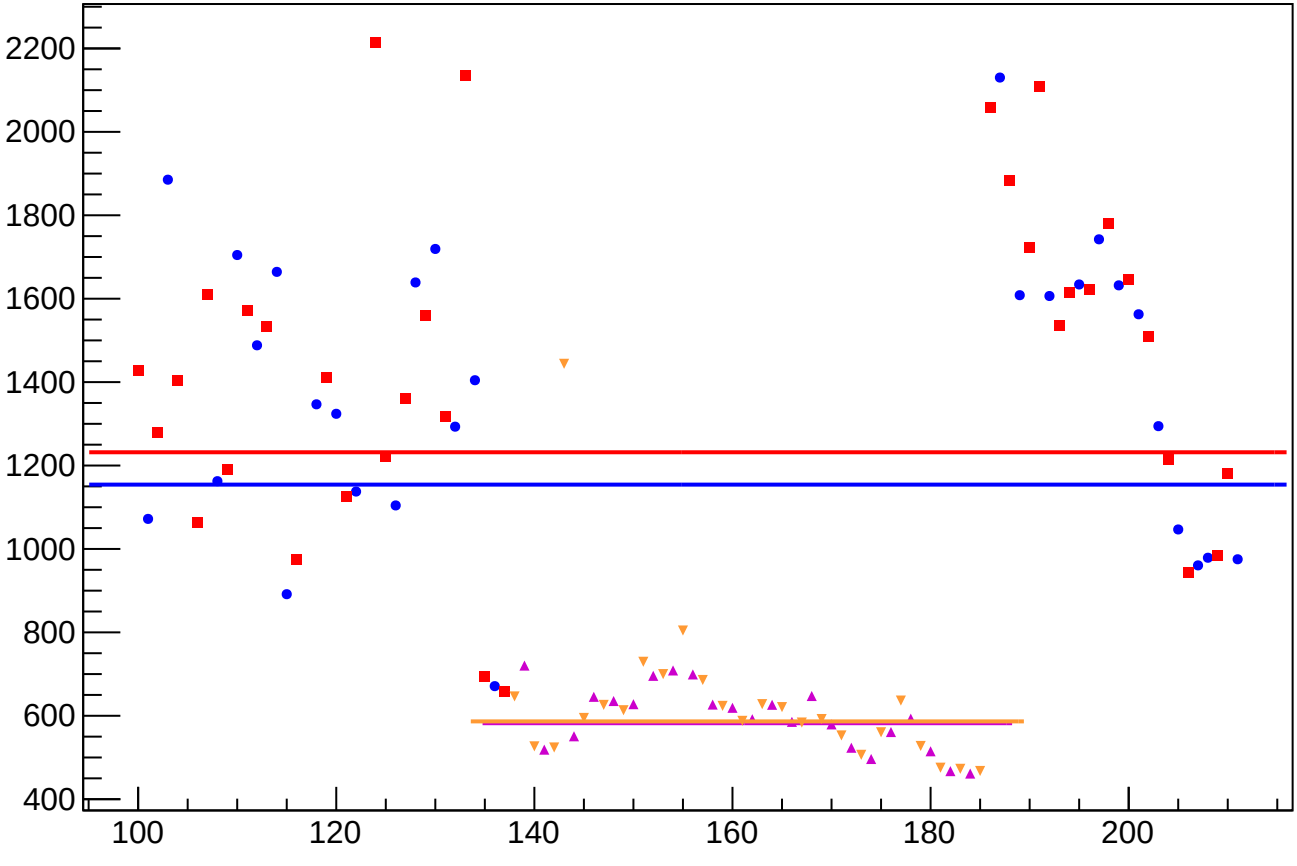
Right: 183.331+/-212.294 χ^2/NDF: 85.0/60

In: 99.842+/-124.559 χ^2/NDF:65.3/50

Out: 291.364+/-123.963 χ^2/NDF:118.2/57

All: 196.062+/-87.865 χ^2/NDF: 184.7/108

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1154.239+/-0.210 χ^2/NDF: 2682578.8/27

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1231.803+/-0.215 χ^2/NDF: 2734025.8/32

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

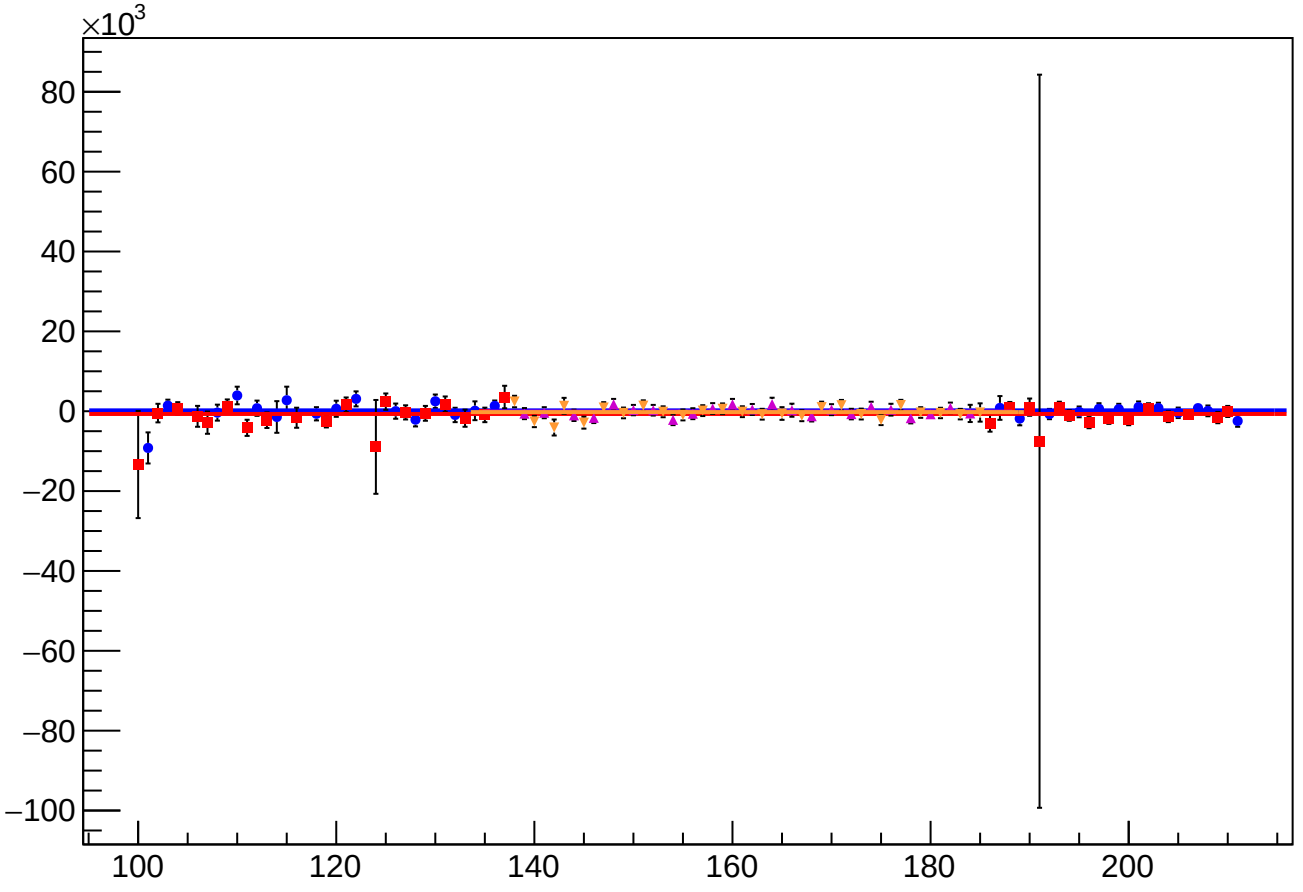
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1192.018+/-0.150 χ^2/NDF: 5483304.5/60

In: 683.202+/-0.088 χ^2/NDF:9375342.7/50

Out: 693.714+/-0.088 χ^2/NDF:11441413.0/57

All: 688.483+/-0.062 χ^2/NDF: 20823911.8/10



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -686.170+/-303.809 χ^2/NDF: 28.0/32

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

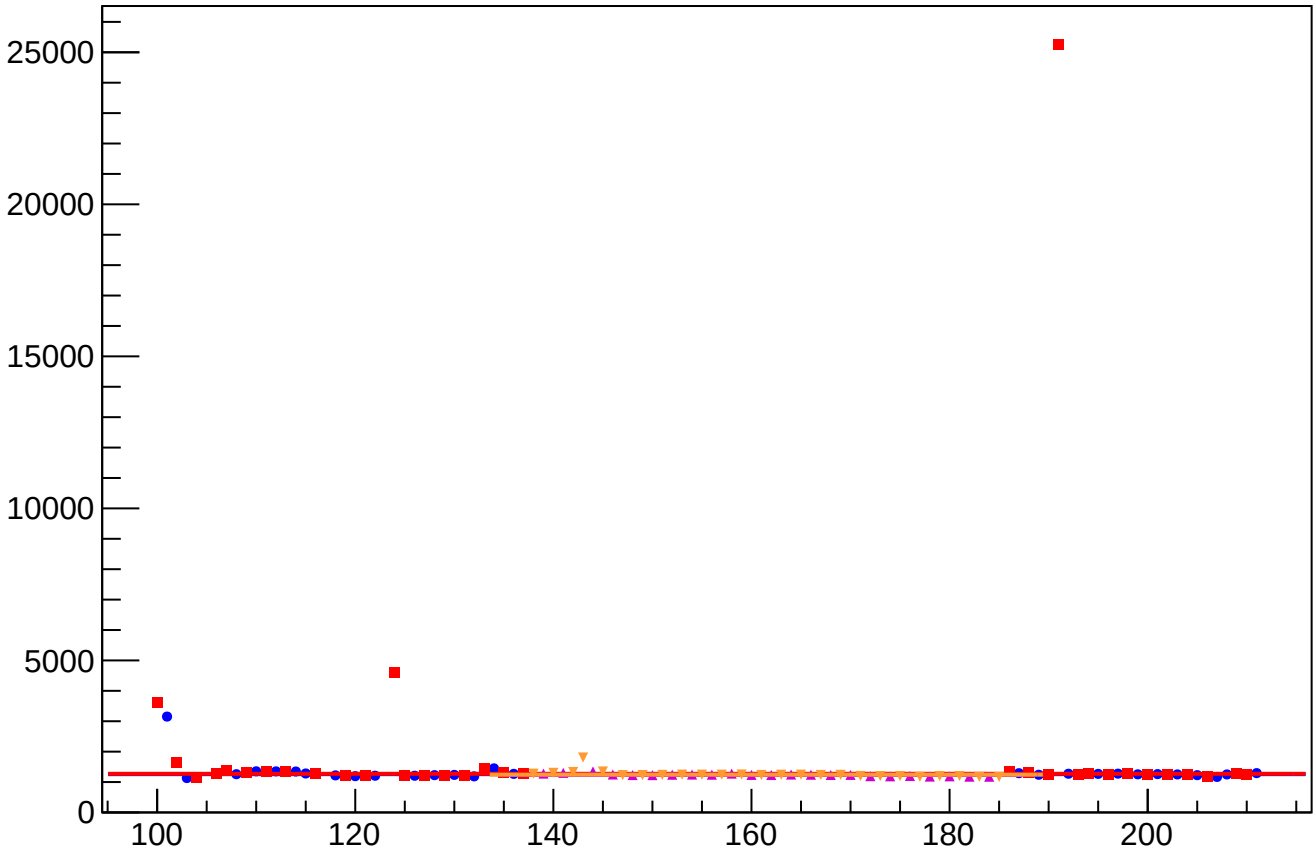
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -246.062+/-217.510 χ^2/NDF: 56.5/60

In: 50.132+/-211.569 χ^2/NDF:39.4/50

Out: -437.024+/-207.099 χ^2/NDF:53.1/57

All: -198.647+/-147.996 χ^2/NDF: 95.2/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

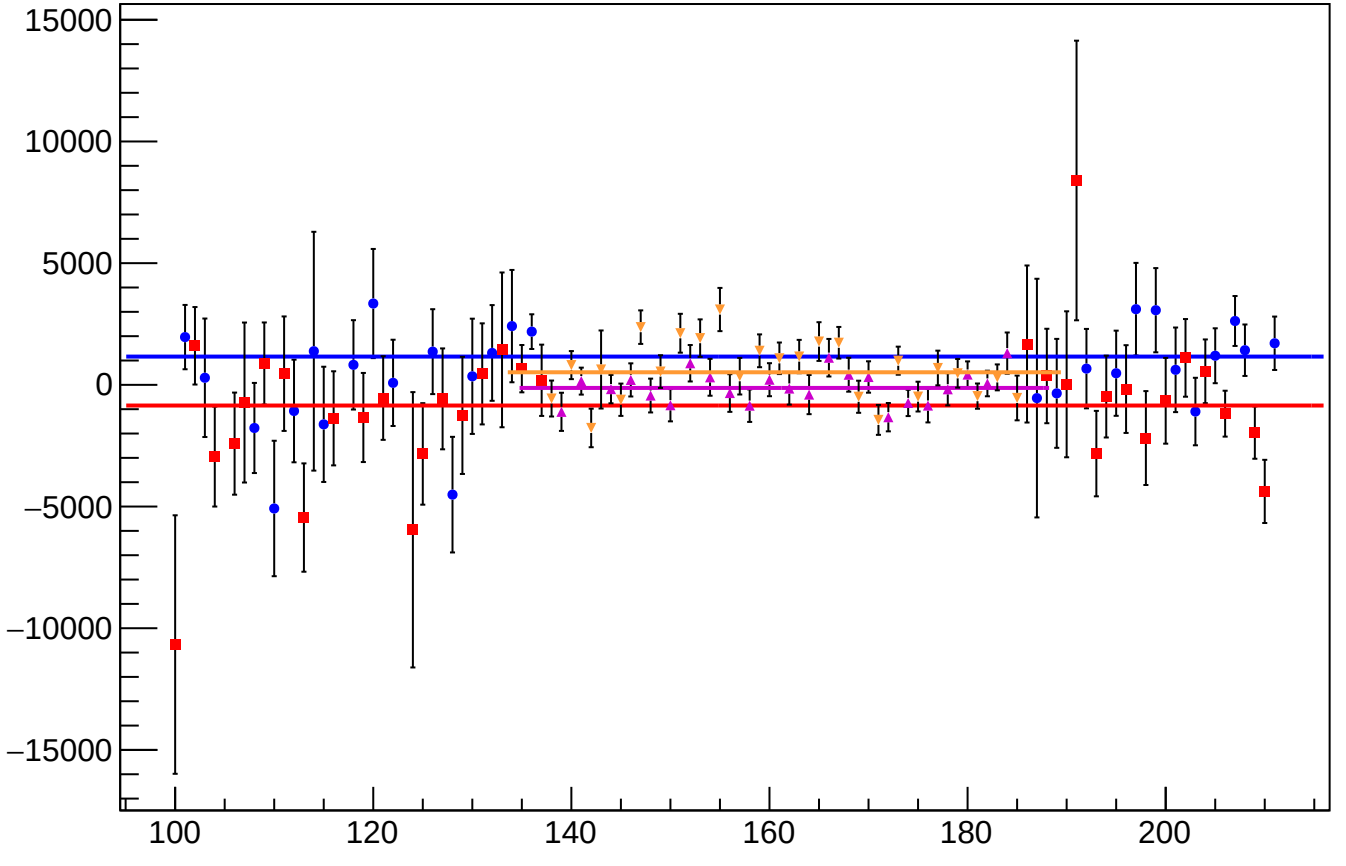
Right: 1265.538+/-0.154 χ^2/NDF: 1030270.9/60

In: 1245.686+/-0.150 χ^2/NDF:581747.8/50

Out: 1255.990+/-0.146 χ^2/NDF:706446.3/57

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

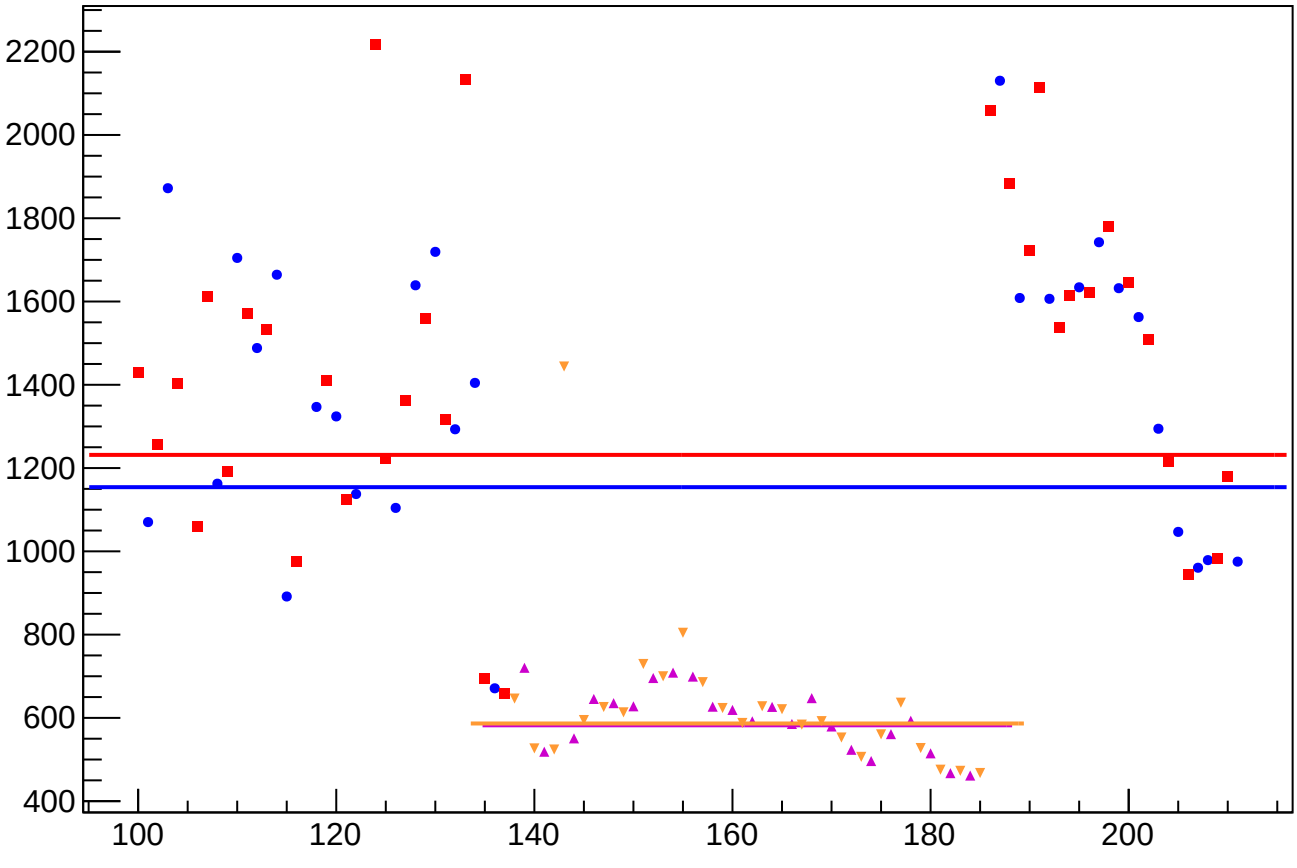
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 183.218+/-212.368 χ^2/NDF: 86.4/60

In: 100.987+/-124.554 χ^2/NDF:65.4/50

Out: 290.259+/-123.983 χ^2/NDF:119.5/57

All: 196.058+/-87.870 χ^2/NDF: 186.1/108



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

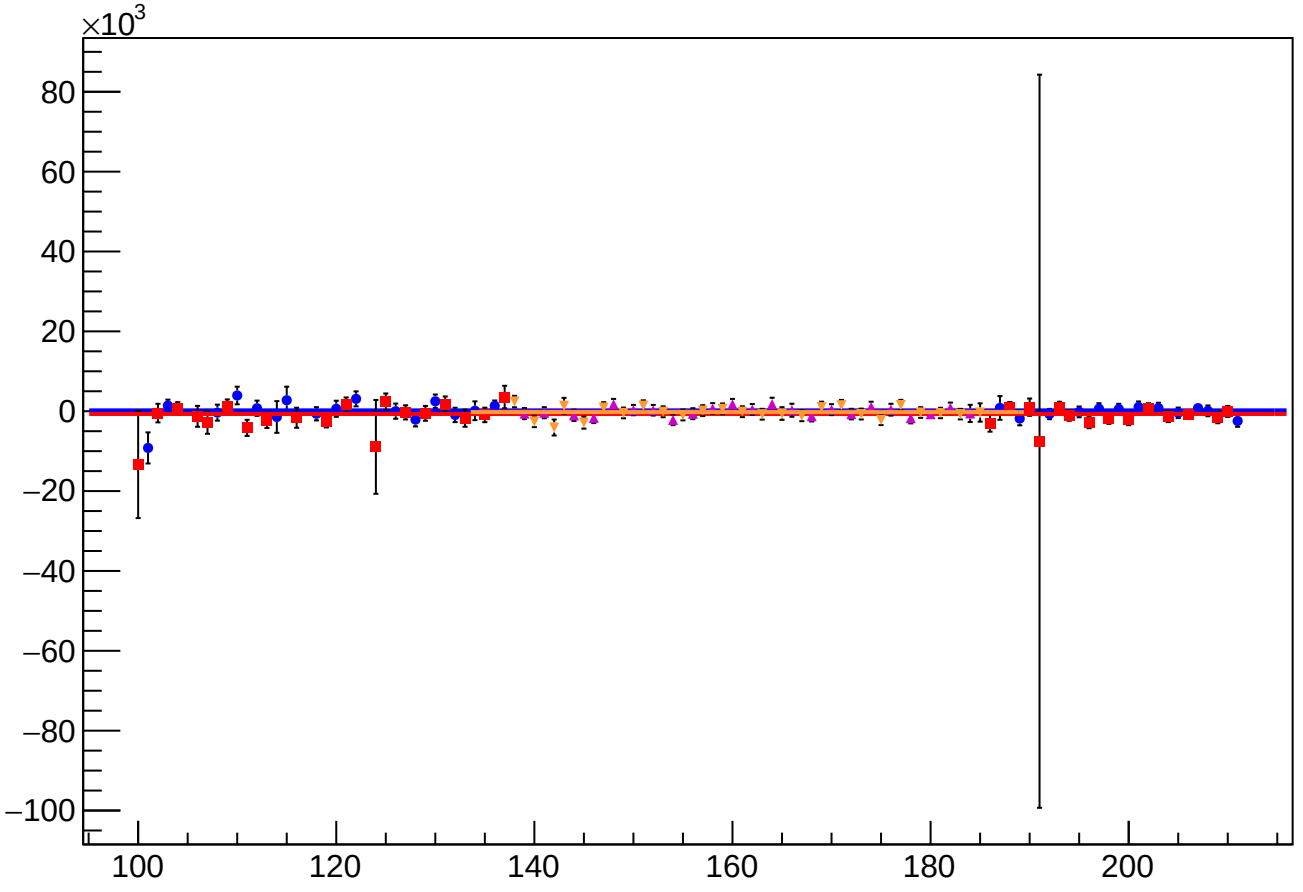
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1191.830+/-0.150 χ^2/NDF: 5477381.4/60

In: 683.212+/-0.088 χ^2/NDF:9371652.1/50

Out: 693.525+/-0.088 χ^2/NDF:11423051.9/57

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10



Right In: 216.759+/-311.550 χ^2/NDF: 24.2/27

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -686.170+/-303.809 χ^2/NDF: 28.0/32

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

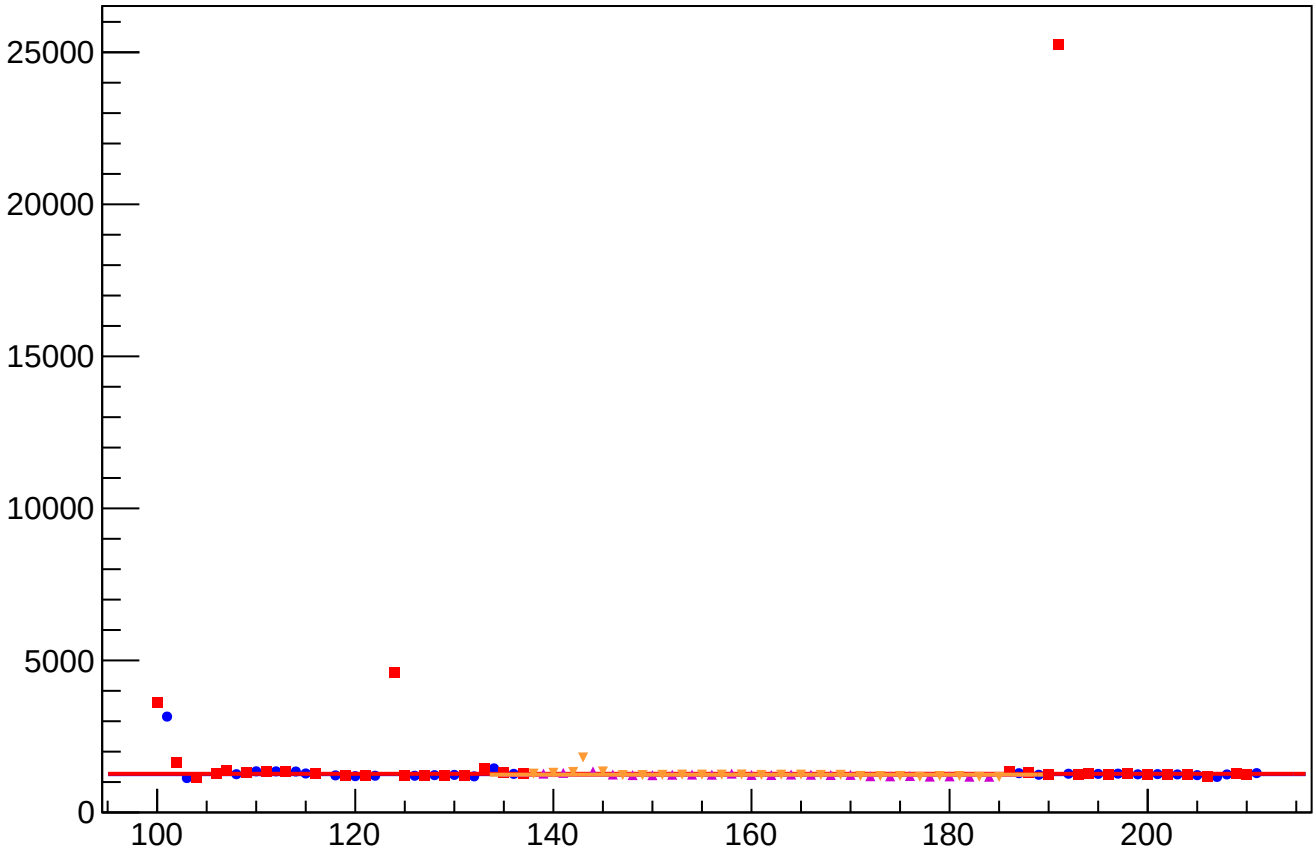
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -246.062+/-217.510 χ^2/NDF: 56.5/60

In: 50.132+/-211.569 χ^2/NDF:39.4/50

Out: -437.024+/-207.099 χ^2/NDF:53.1/57

All: -198.647+/-147.996 χ^2/NDF: 95.2/108



Right In: 1259.630+/-0.220 χ^2/NDF: 535030.9/27

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.156+/-0.215 χ^2/NDF: 493837.0/32

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

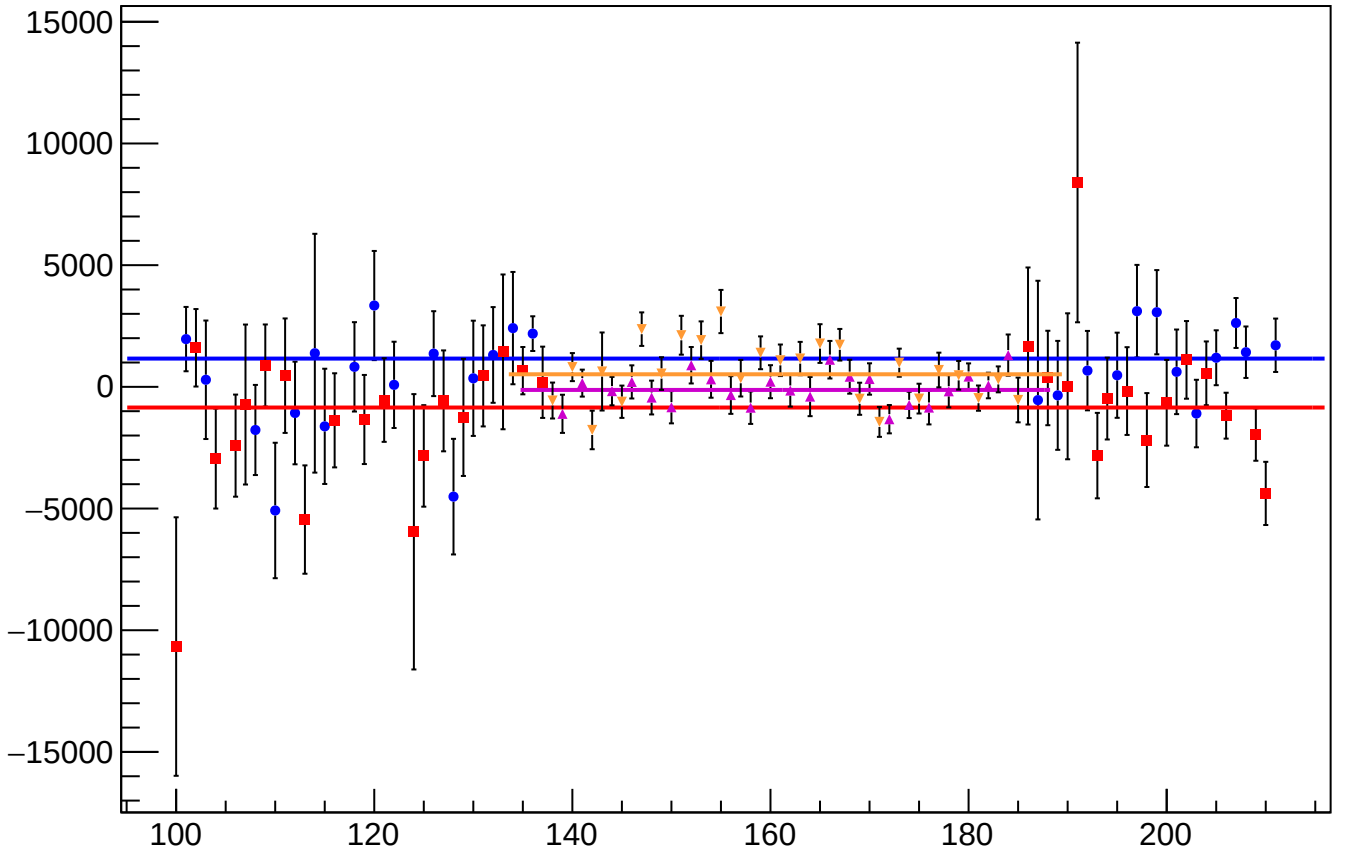
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.538+/-0.154 χ^2/NDF: 1030270.9/60

In: 1245.686+/-0.150 χ^2/NDF:581747.8/50

Out: 1255.990+/-0.146 χ^2/NDF:706446.3/57

All: 1250.948+/-0.105 χ^2/NDF: 1290616.5/10



Right In: 1161.604+/-296.358 χ^2/NDF: 28.3/27

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -849.482+/-304.473 χ^2/NDF: 35.7/32

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

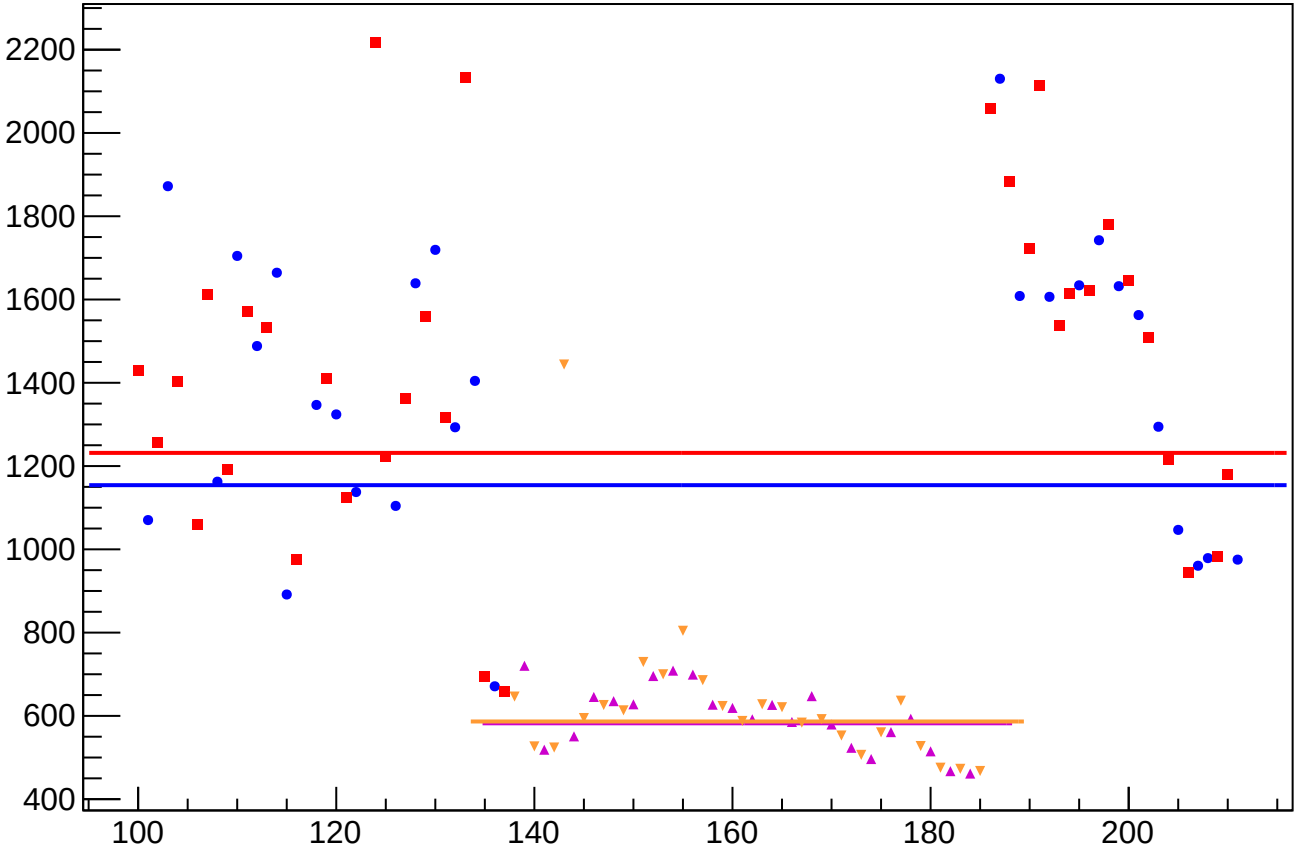
Right: 183.218+/-212.368 χ^2/NDF: 86.4/60

In: 100.987+/-124.554 χ^2/NDF:65.4/50

Out: 290.259+/-123.983 χ^2/NDF:119.5/57

All: 196.058+/-87.870 χ^2/NDF: 186.1/108

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1154.116+/-0.210 χ^2/NDF: 2679443.6/27

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1231.638+/-0.215 χ^2/NDF: 2731360.8/32

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

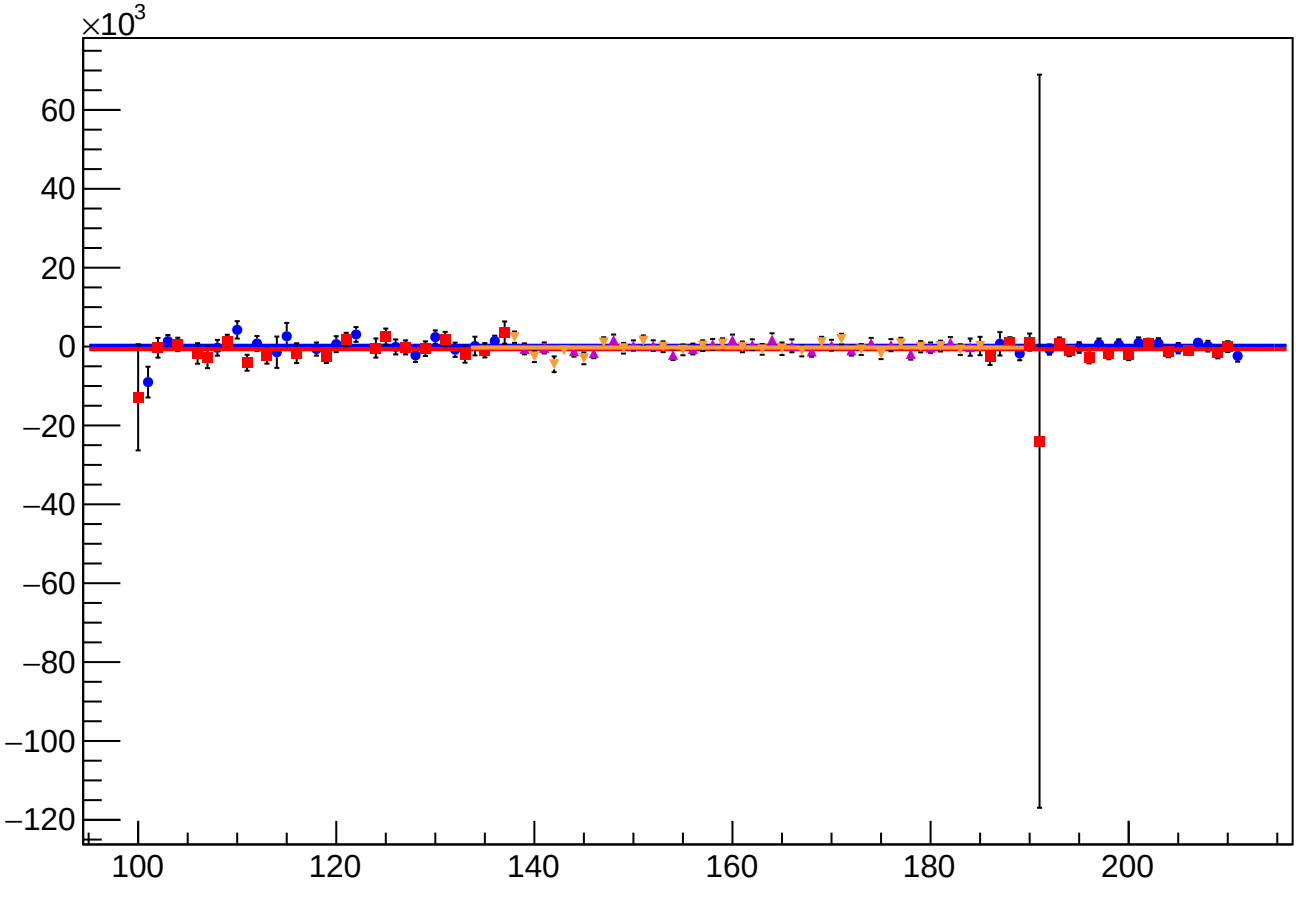
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1191.830+/-0.150 χ^2/NDF: 5477381.4/60

In: 683.212+/-0.088 χ^2/NDF:9371652.1/50

Out: 693.525+/-0.088 χ^2/NDF:11423051.9/57

All: 688.393+/-0.062 χ^2/NDF: 20801591.5/10



Right In: 222.479+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -682.822+/-303.062 χ^2/NDF: 27.5/32

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

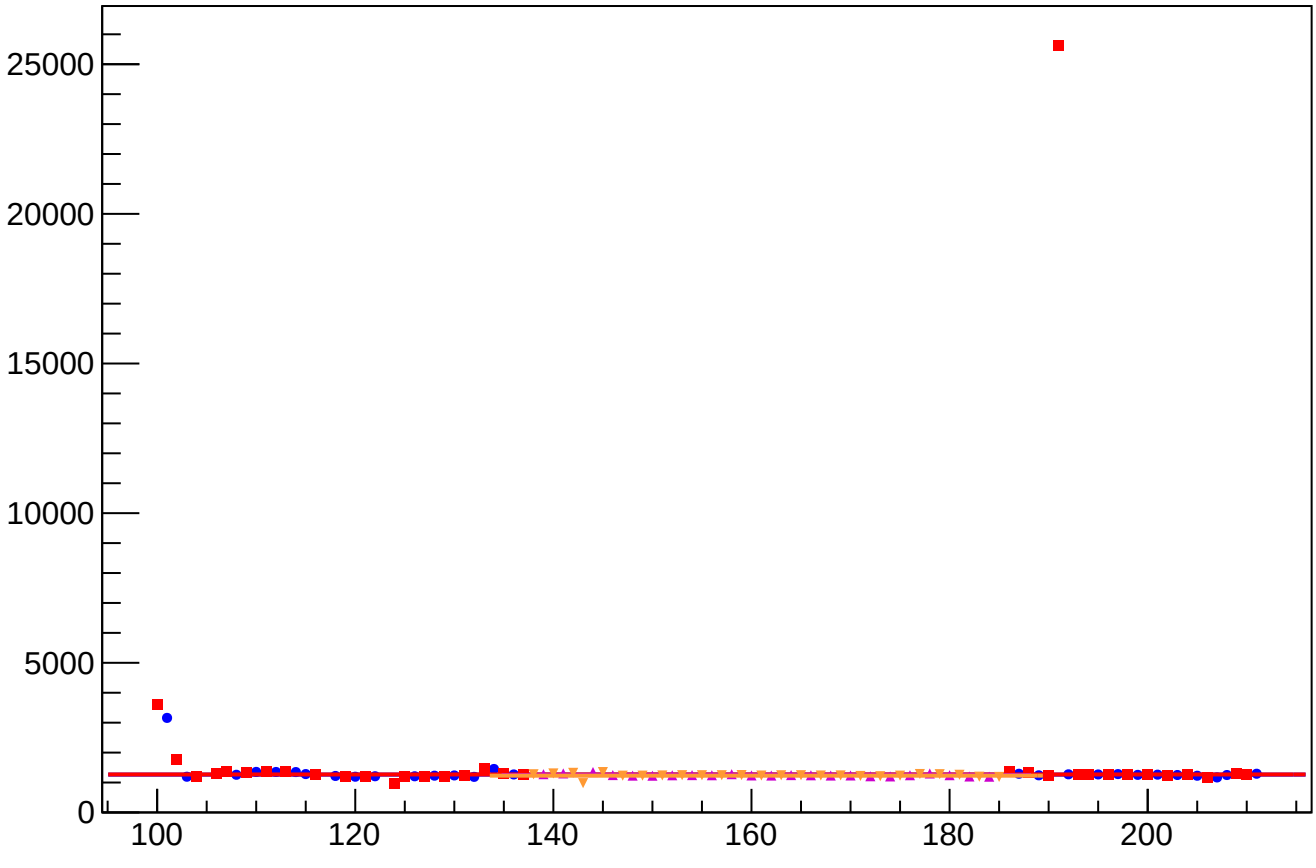
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -244.188+/-217.589 χ^2/NDF: 56.0/60

In: 63.406+/-213.173 χ^2/NDF:38.6/50

Out: -449.717+/-205.630 χ^2/NDF:52.6/57

All: -202.395+/-147.997 χ^2/NDF: 94.2/108



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.3/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.2/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

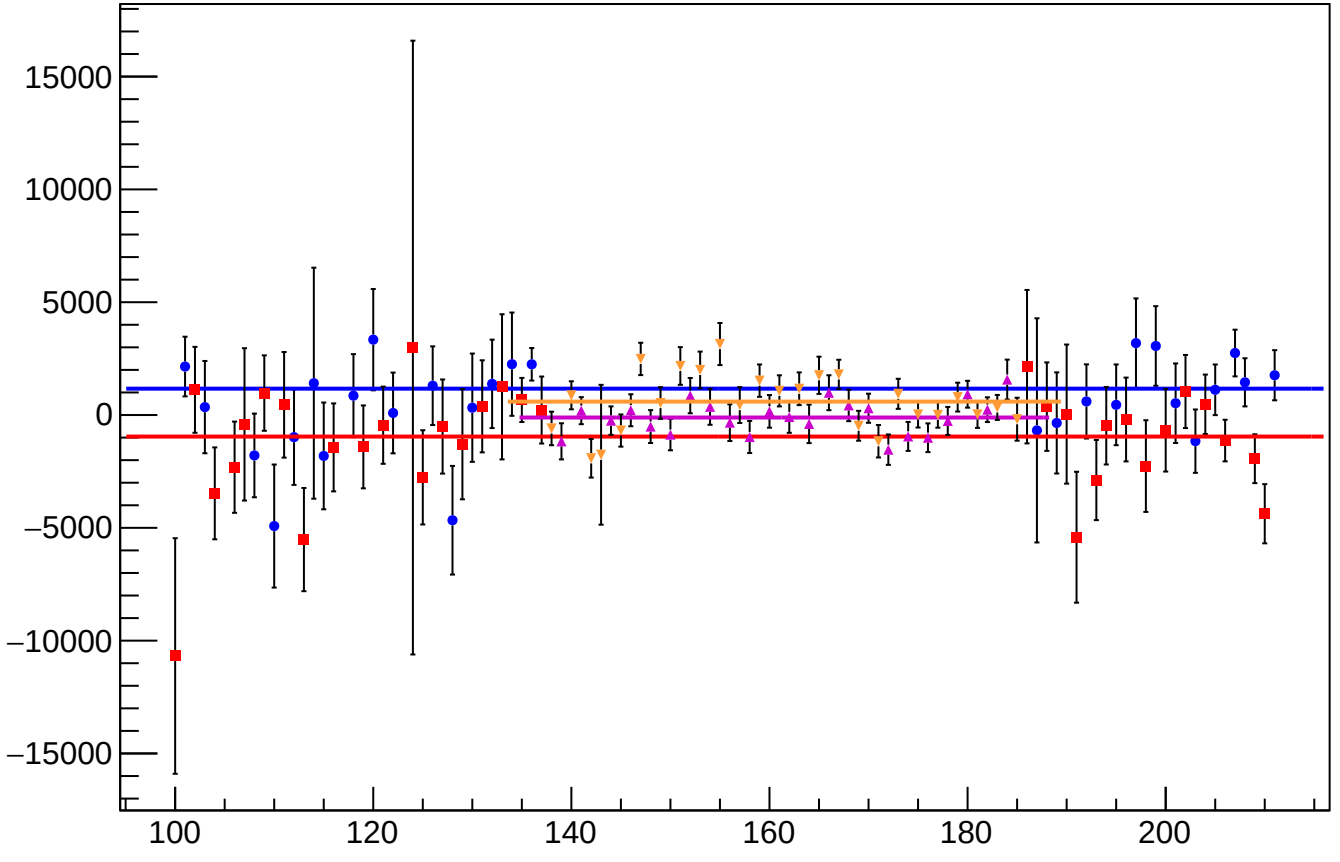
Right: 1266.929+/-0.154 χ^2/NDF: 910273.6/60

In: 1255.343+/-0.151 χ^2/NDF:555085.9/50

Out: 1248.245+/-0.145 χ^2/NDF:545179.3/57

All: 1251.666+/-0.105 χ^2/NDF: 1101413.8/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1168.618+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -954.200+/-306.970 χ^2/NDF: 33.7/32

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

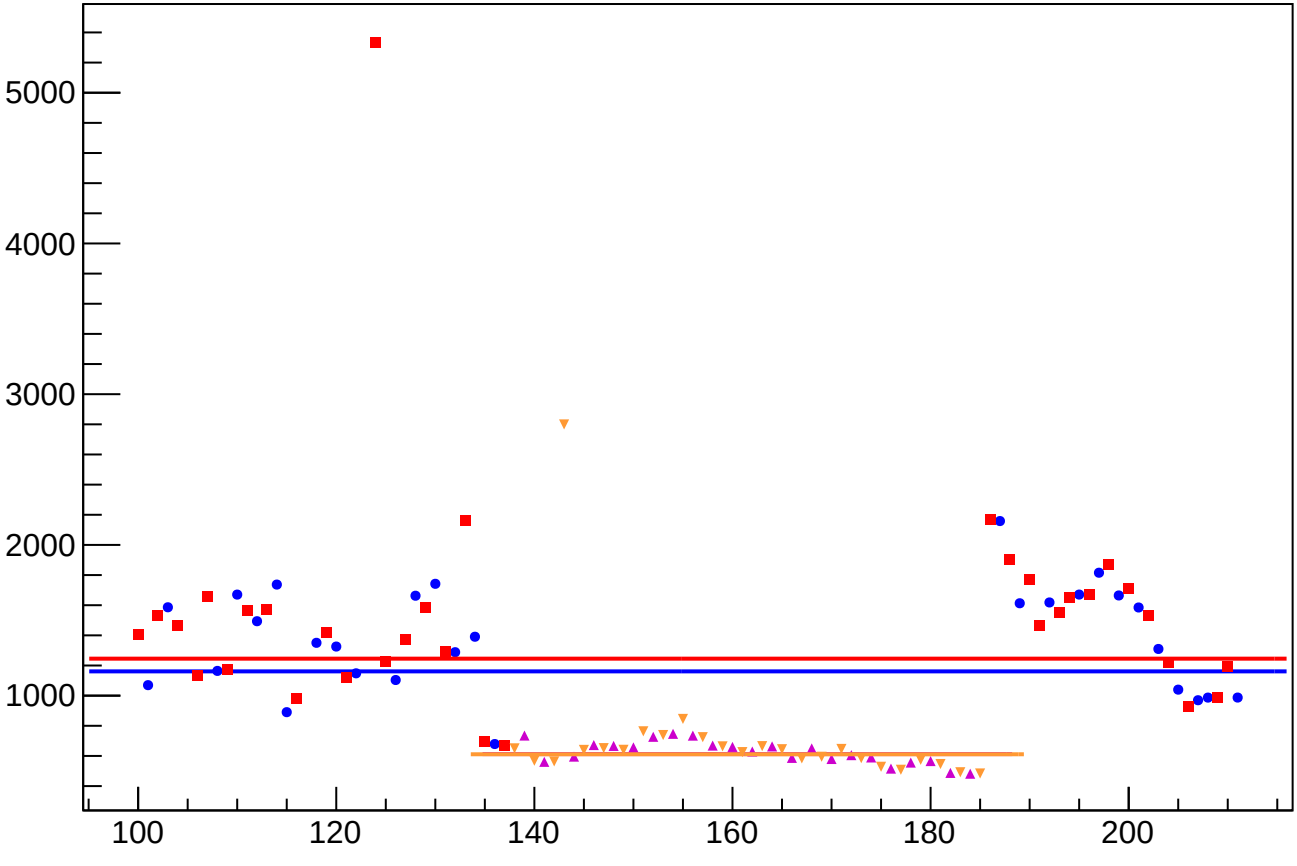
Right: 139.360+/-213.748 χ^2/NDF: 87.6/60

In: 132.726+/-129.810 χ^2/NDF:69.9/50

Out: 321.513+/-128.976 χ^2/NDF:112.0/57

All: 227.728+/-91.493 χ^2/NDF: 183.0/108

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1161.056+/-0.211 χ^2/NDF: 2618532.2/27

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1245.422+/-0.217 χ^2/NDF: 3027563.7/32

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

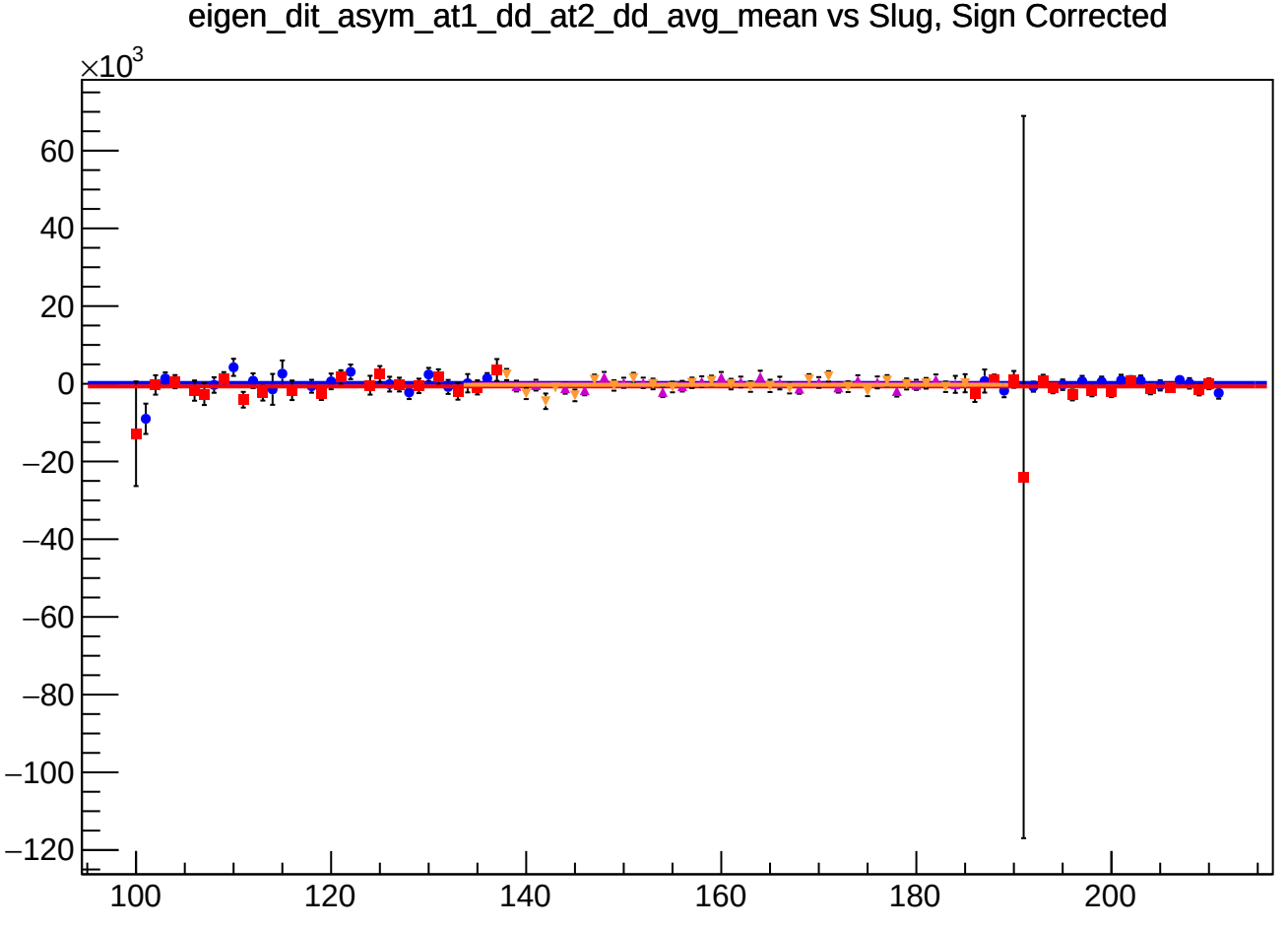
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1201.961+/-0.151 χ^2/NDF: 5723918.2/60

In: 716.640+/-0.092 χ^2/NDF:8625656.5/50

Out: 723.068+/-0.091 χ^2/NDF:11679577.5/57

All: 719.875+/-0.065 χ^2/NDF: 20307701.9/10



Right In: 222.478+/-312.596 χ^2/NDF: 24.1/27

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -682.821+/-303.062 χ^2/NDF: 27.5/32

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

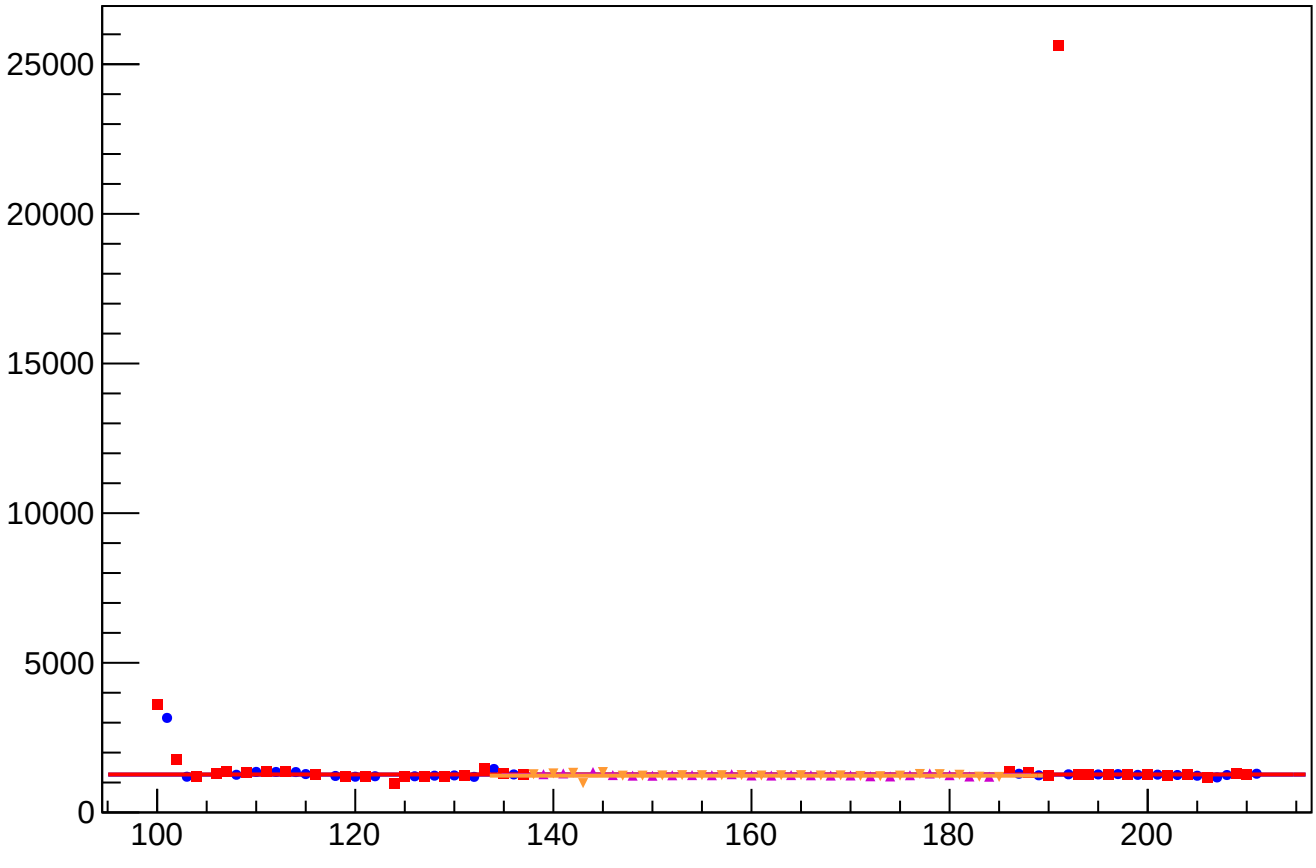
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -244.188+/-217.589 χ^2/NDF: 56.0/60

In: 63.406+/-213.173 χ^2/NDF:38.6/50

Out: -449.718+/-205.630 χ^2/NDF:52.6/57

All: -202.396+/-147.997 χ^2/NDF: 94.2/108



Right In: 1264.037+/-0.221 χ^2/NDF: 524853.4/27

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.647+/-0.214 χ^2/NDF: 385088.0/32

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

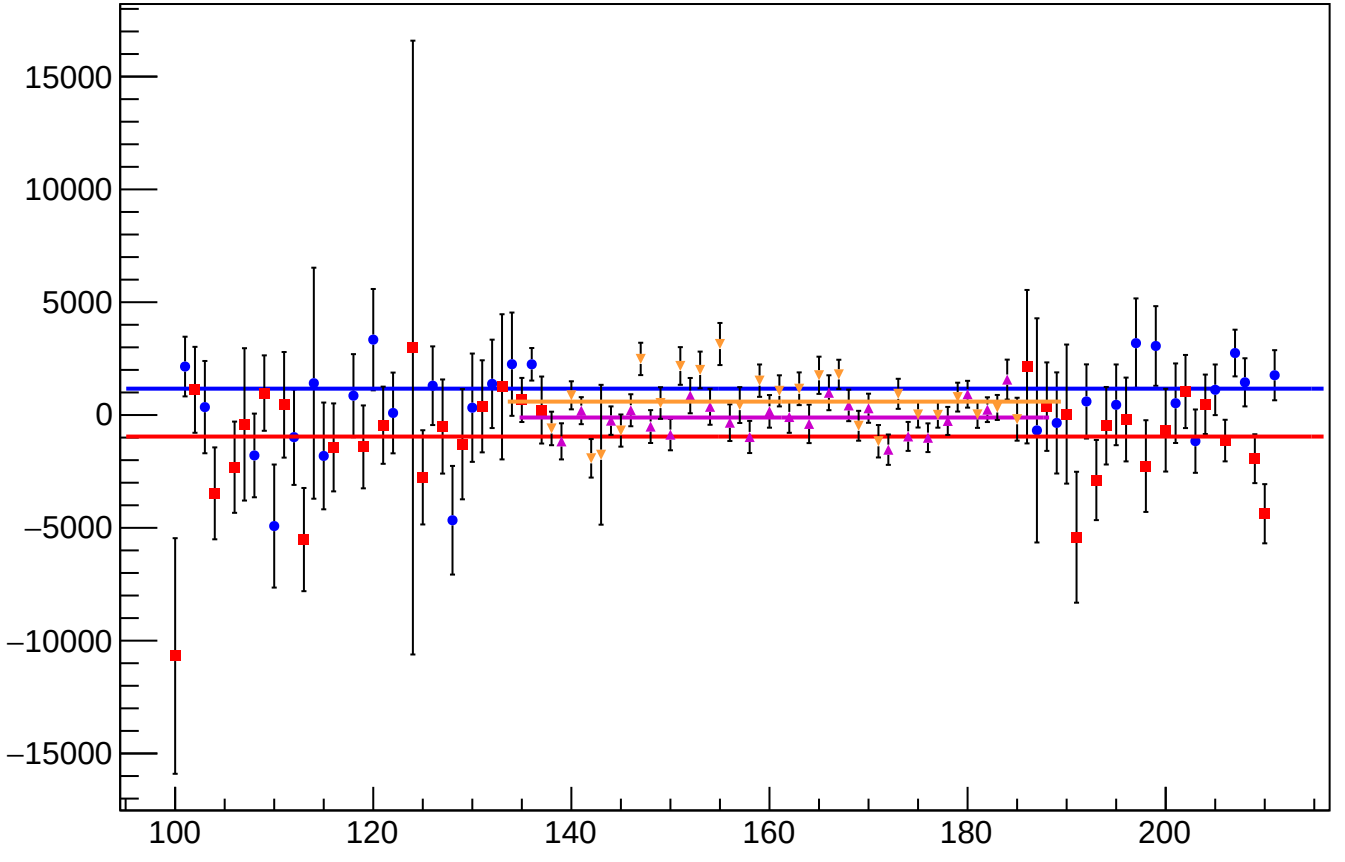
Right: 1266.929+/-0.154 χ^2/NDF: 910273.5/60

In: 1255.343+/-0.151 χ^2/NDF:555086.0/50

Out: 1248.245+/-0.145 χ^2/NDF:545178.2/57

All: 1251.666+/-0.105 χ^2/NDF: 1101412.8/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1168.616+/-297.808 χ^2/NDF: 29.3/27

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -954.204+/-306.970 χ^2/NDF: 33.7/32

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

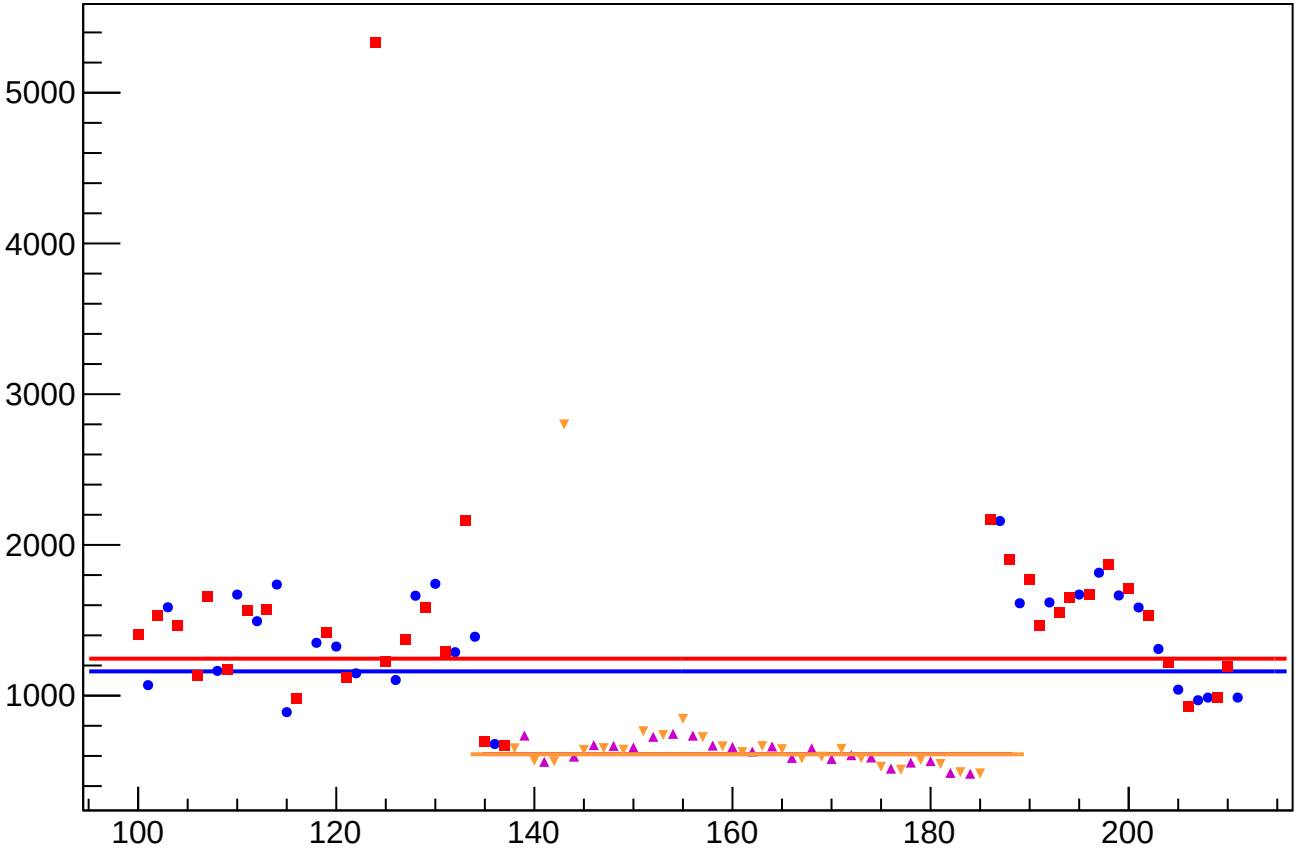
Right: 139.358+/-213.748 χ^2/NDF: 87.6/60

In: 132.726+/-129.809 χ^2/NDF:69.9/50

Out: 321.513+/-128.976 χ^2/NDF:112.0/57

All: 227.727+/-91.493 χ^2/NDF: 183.0/108

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1161.057+/-0.211 χ^2/NDF: 2618475.3/27

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1245.425+/-0.217 χ^2/NDF: 3027508.0/32

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

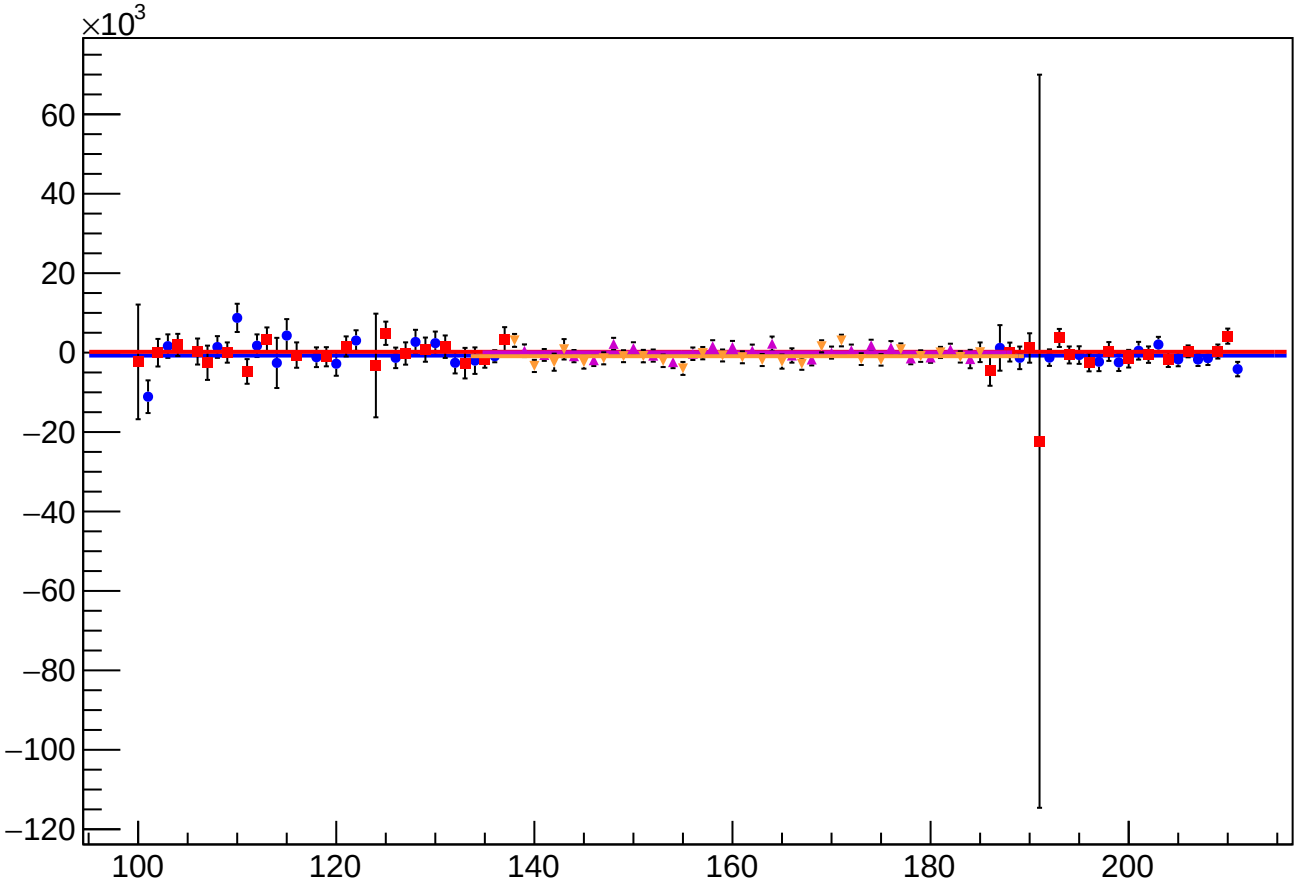
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1201.963+/-0.151 χ^2/NDF: 5723807.7/60

In: 716.640+/-0.092 χ^2/NDF:8625646.8/50

Out: 723.068+/-0.091 χ^2/NDF:11679573.6/57

All: 719.875+/-0.065 χ^2/NDF: 20307688.5/10



Right In: -741.565+/-454.286 χ^2/NDF: 30.7/27

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 198.111+/-452.190 χ^2/NDF: 21.8/32

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

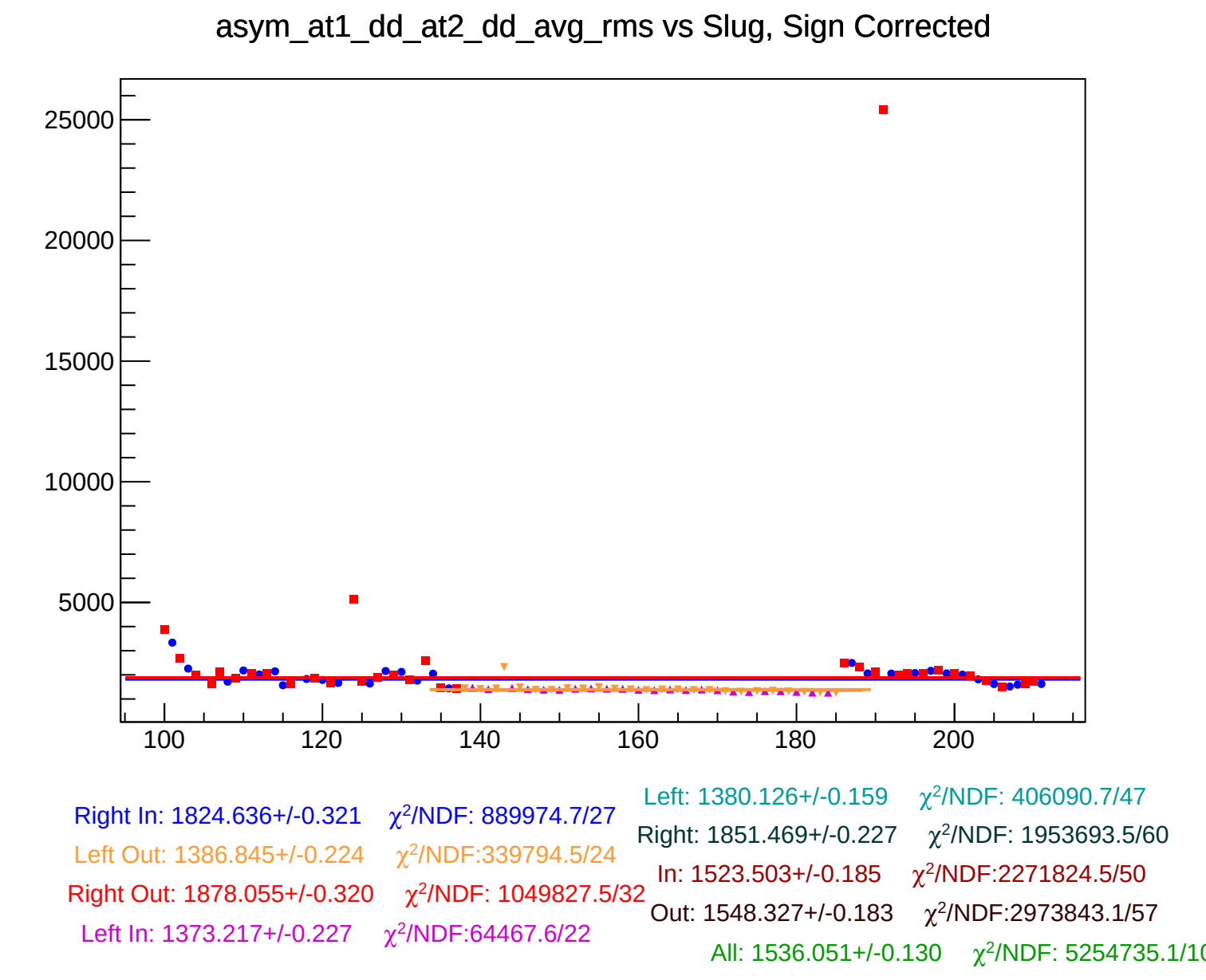
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

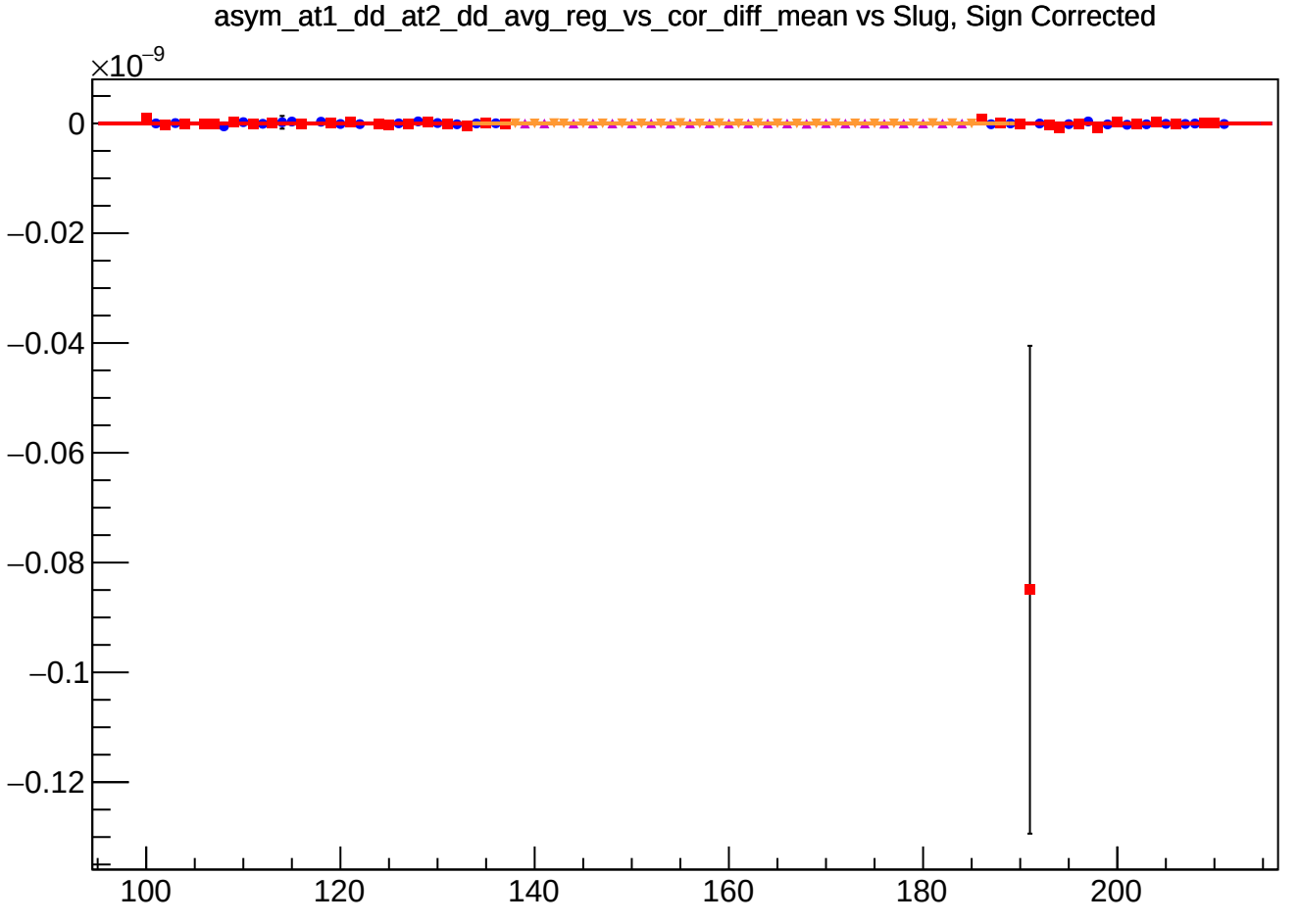
Right: -269.555+/-320.485 χ^2/NDF: 54.7/60

In: -214.743+/-262.119 χ^2/NDF:50.6/50

Out: -538.934+/-259.268 χ^2/NDF:55.6/57

All: -378.611+/-184.330 χ^2/NDF: 107.0/108


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1824.636+/-0.321 χ²/NDF: 889974.7/27
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1878.055+/-0.320 χ²/NDF: 1049827.5/32
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1851.469+/-0.227 χ²/NDF: 1953693.5/60
In: 1523.503+/-0.185 χ²/NDF:2271824.5/50
Out: 1548.327+/-0.183 χ²/NDF:2973843.1/57
All: 1536.051+/-0.130 χ²/NDF: 5254735.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.4/32

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

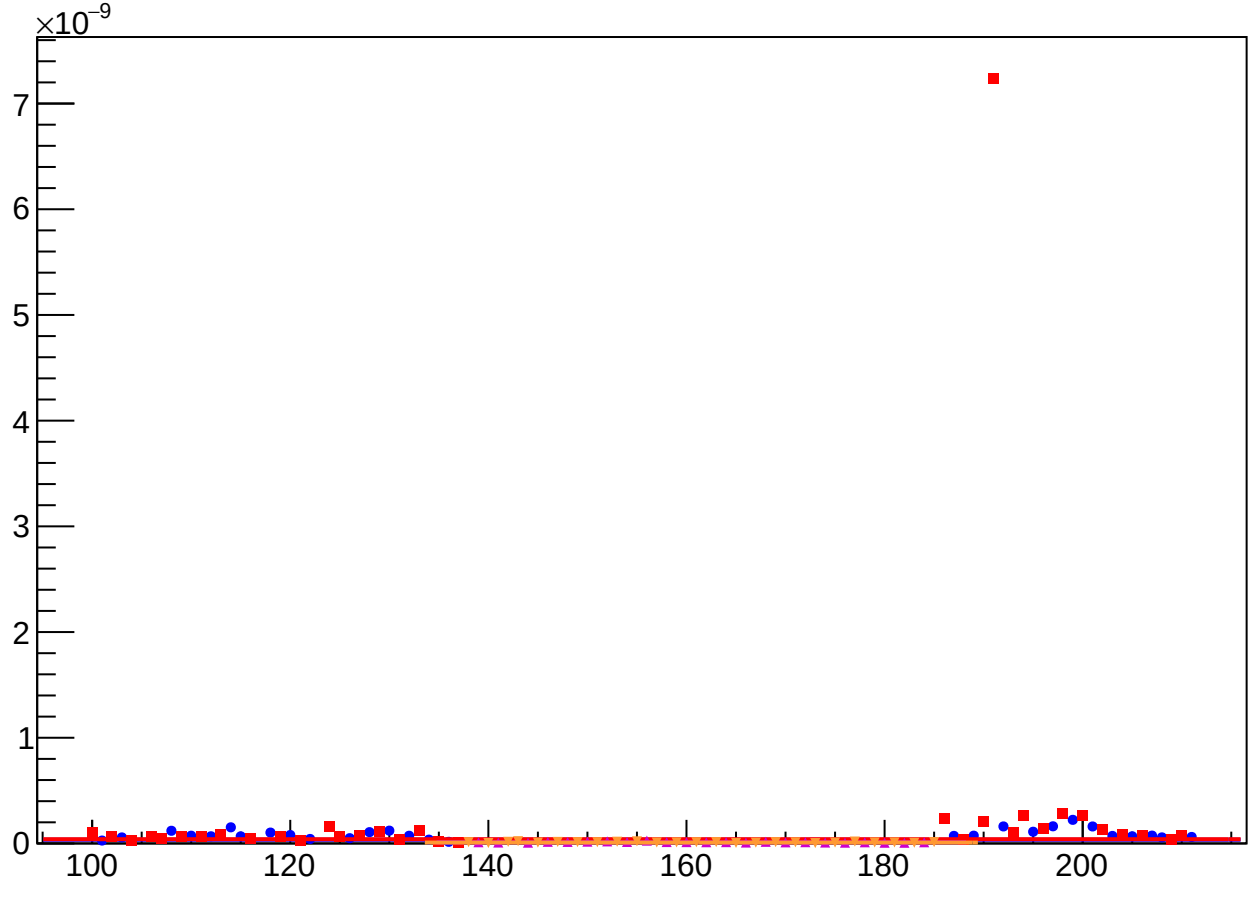
Right: -0.000+/-0.000 χ^2/NDF: 73.4/60

In: 0.000+/-0.000 χ^2/NDF:38.1/50

Out: 0.000+/-0.000 χ^2/NDF:73.9/57

All: 0.000+/-0.000 χ^2/NDF: 112.0/108

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6180920.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6612571.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

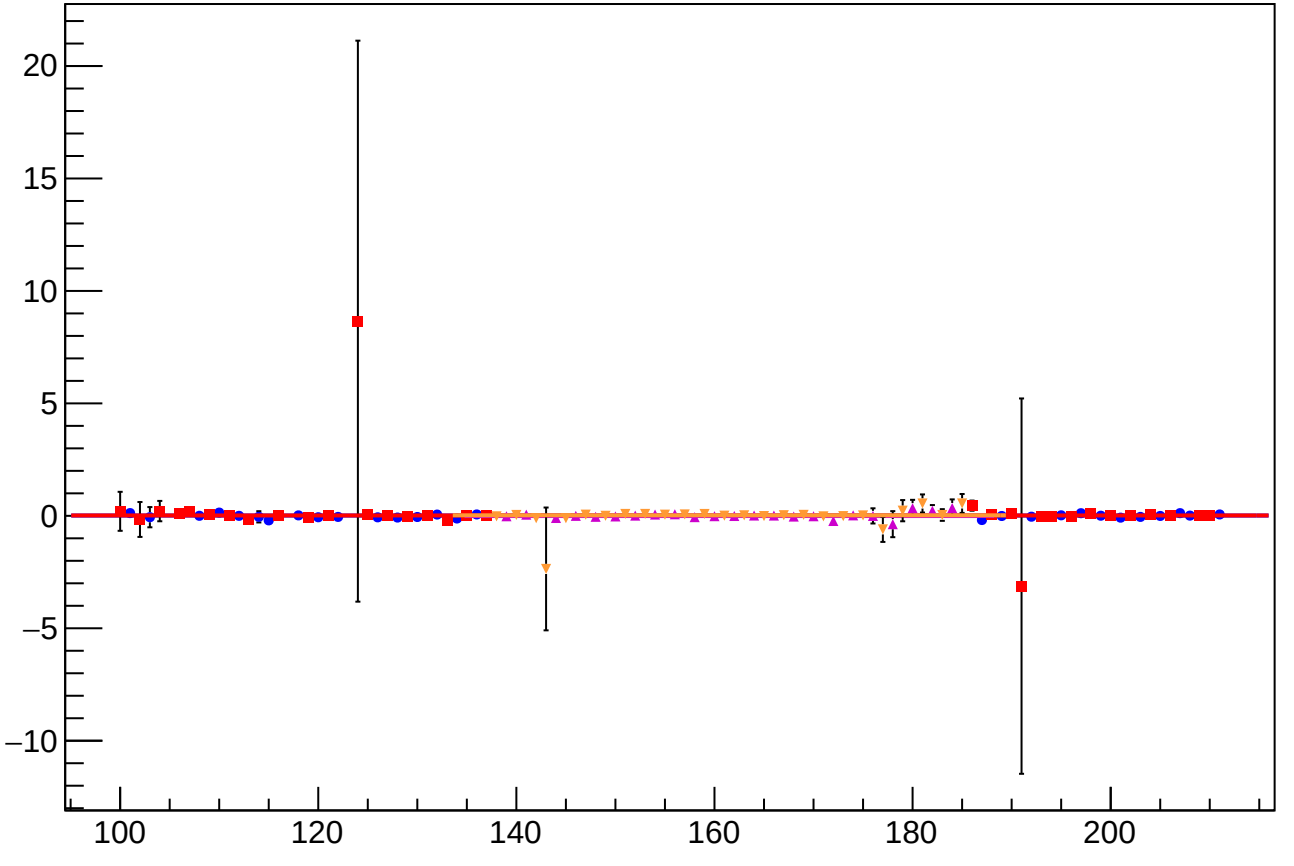
Right: 0.000+/-0.000 χ^2/NDF: 12868555.4/60

In: 0.000+/-0.000 χ^2/NDF:11292283.9/50

Out: 0.000+/-0.000 χ^2/NDF:13966822.1/57

All: 0.000+/-0.000 χ^2/NDF: 25569771.8/108

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

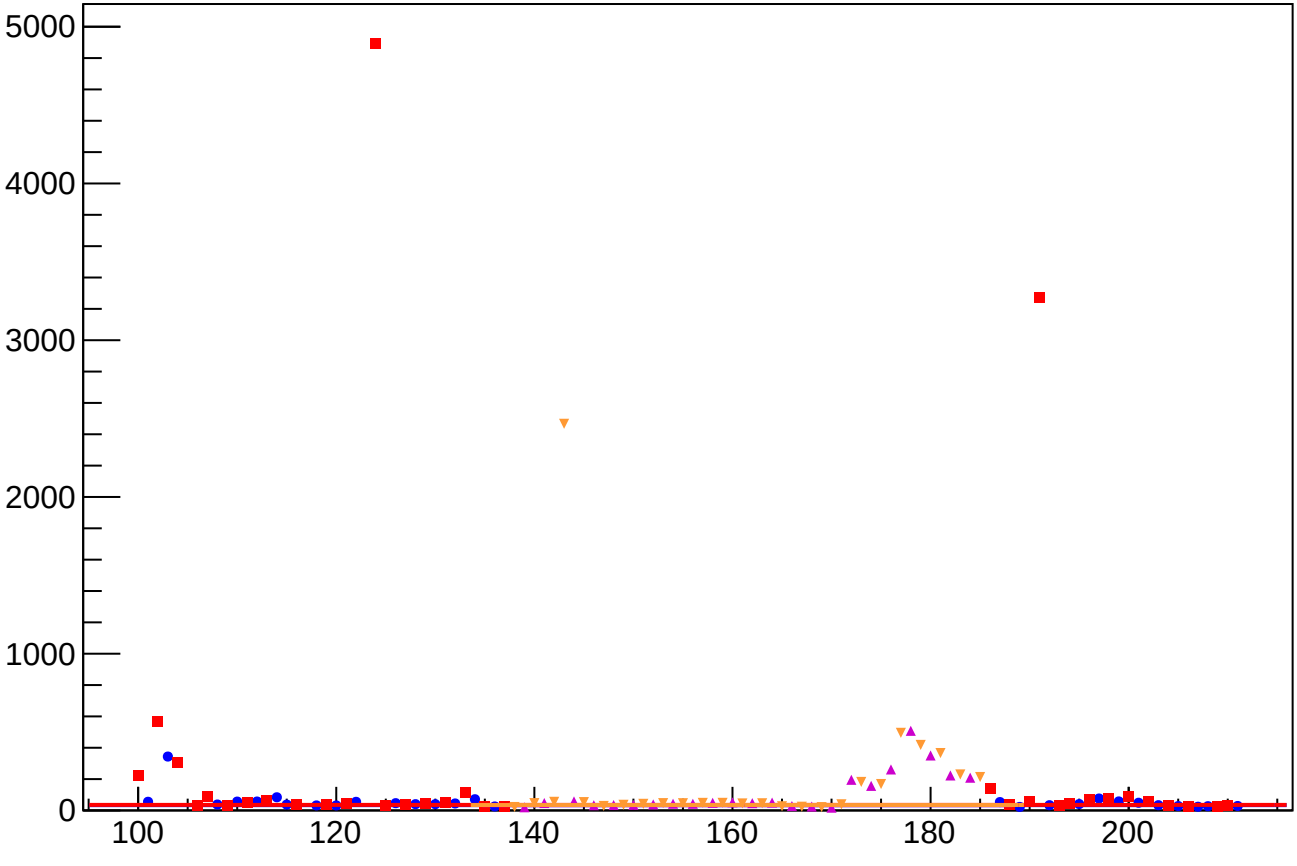
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

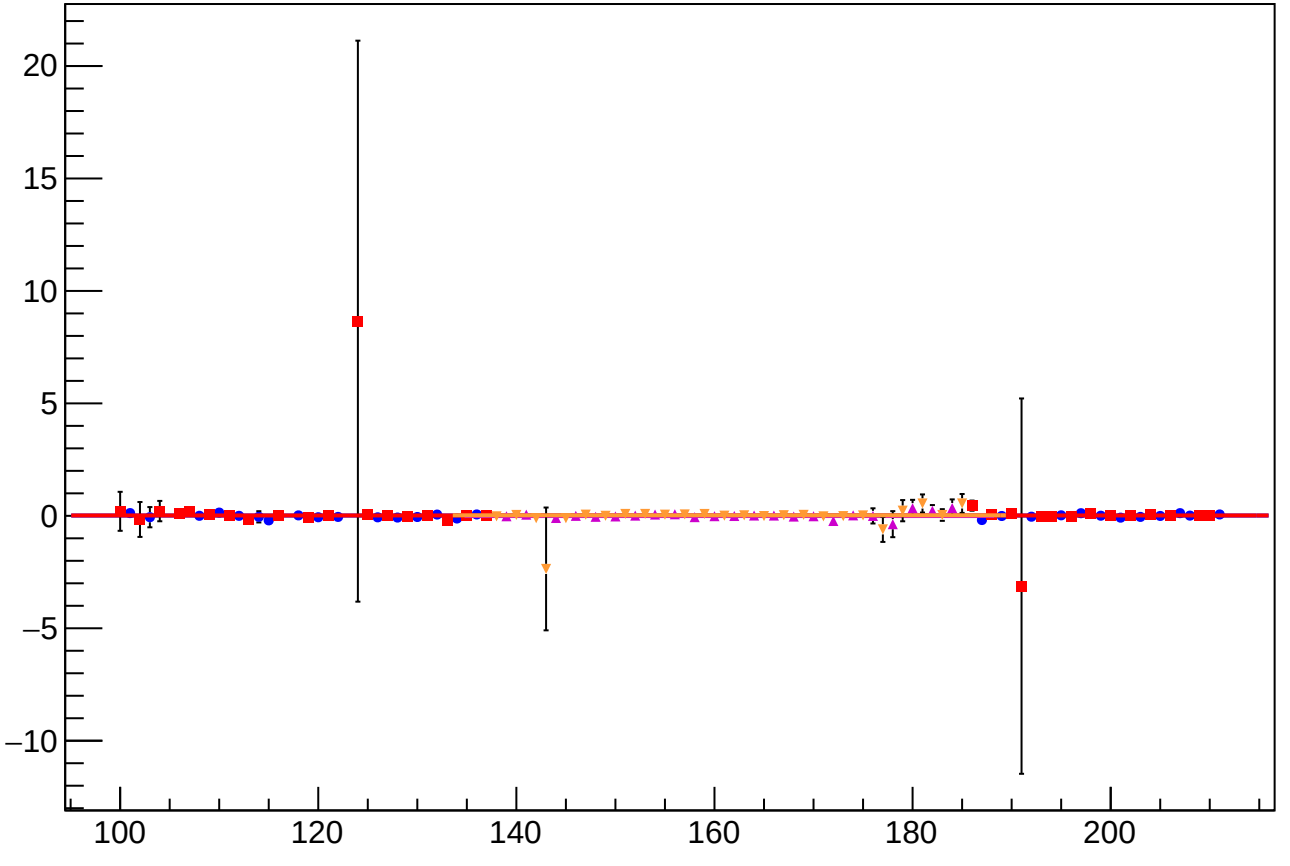
Right: 34.621+/-0.005 χ^2/NDF: 10025861.3/60

In: 33.712+/-0.005 χ^2/NDF:13678321.4/50

Out: 35.066+/-0.005 χ^2/NDF:17796591.2/57

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

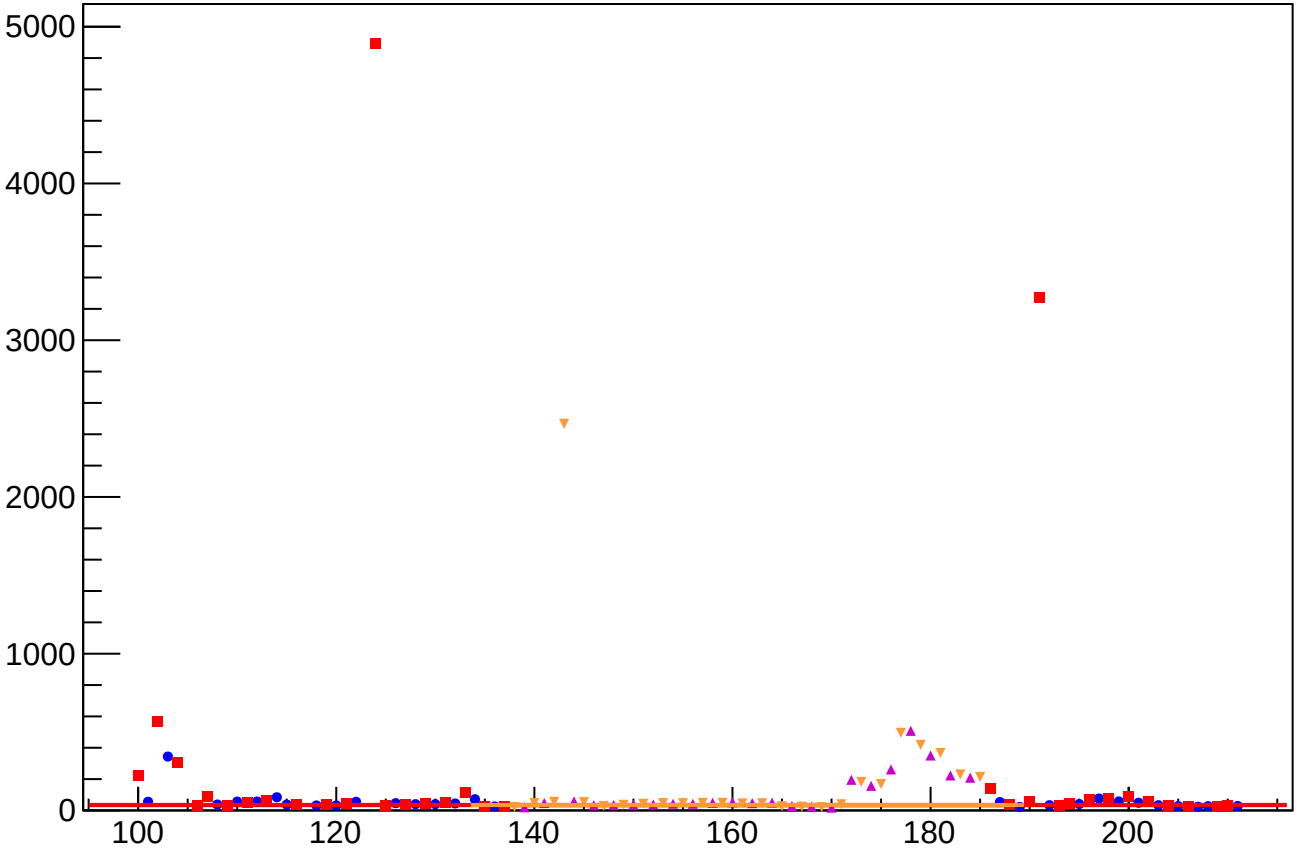
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.823+/-0.007 χ^2/NDF: 3610297.3/27

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386702.3/32

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

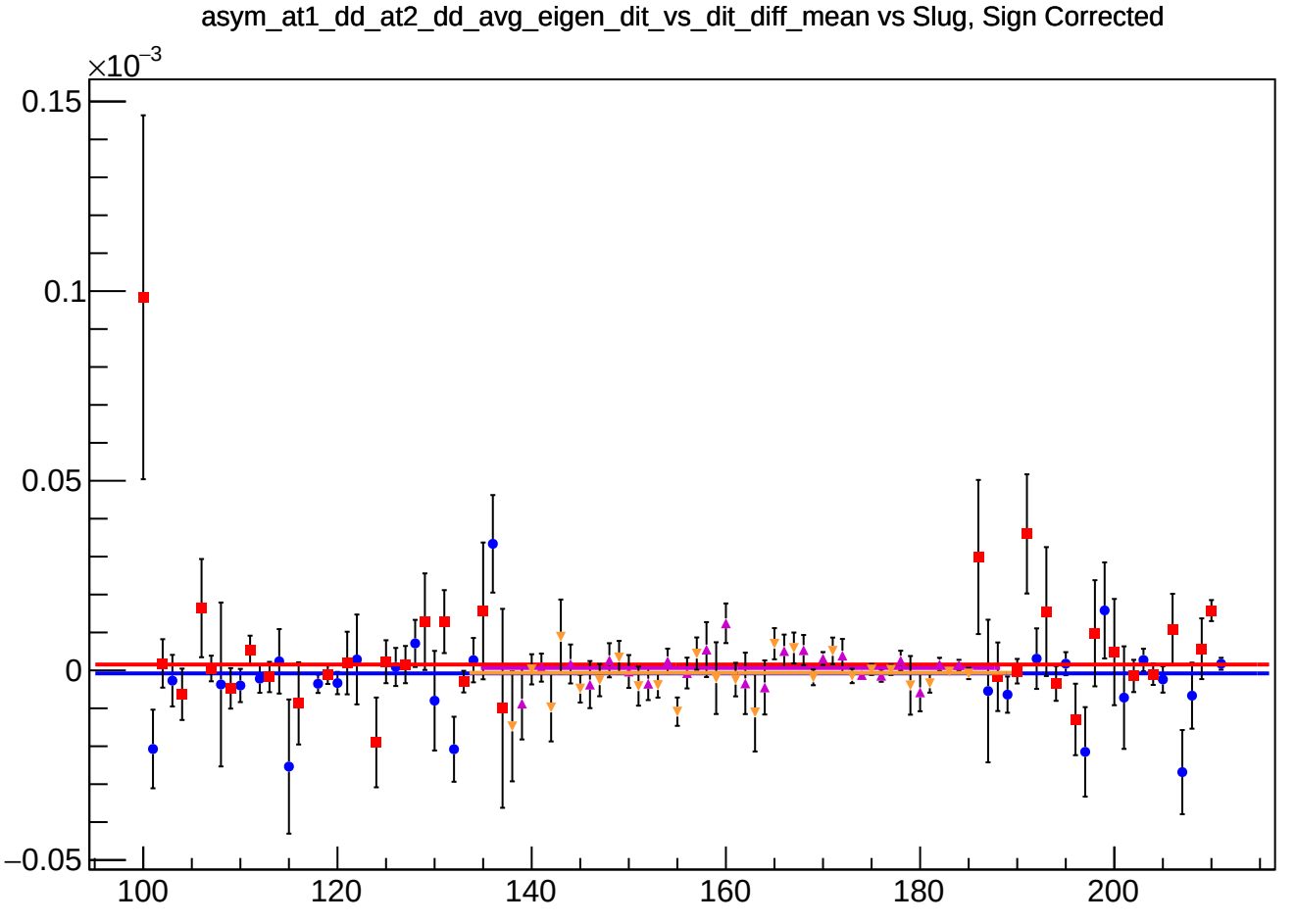
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 34.621+/-0.005 χ^2/NDF: 10025861.3/60

In: 33.712+/-0.005 χ^2/NDF:13678321.4/50

Out: 35.066+/-0.005 χ^2/NDF:17796591.2/57

All: 34.364+/-0.004 χ^2/NDF: 31511855.7/108



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 61.6/32

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

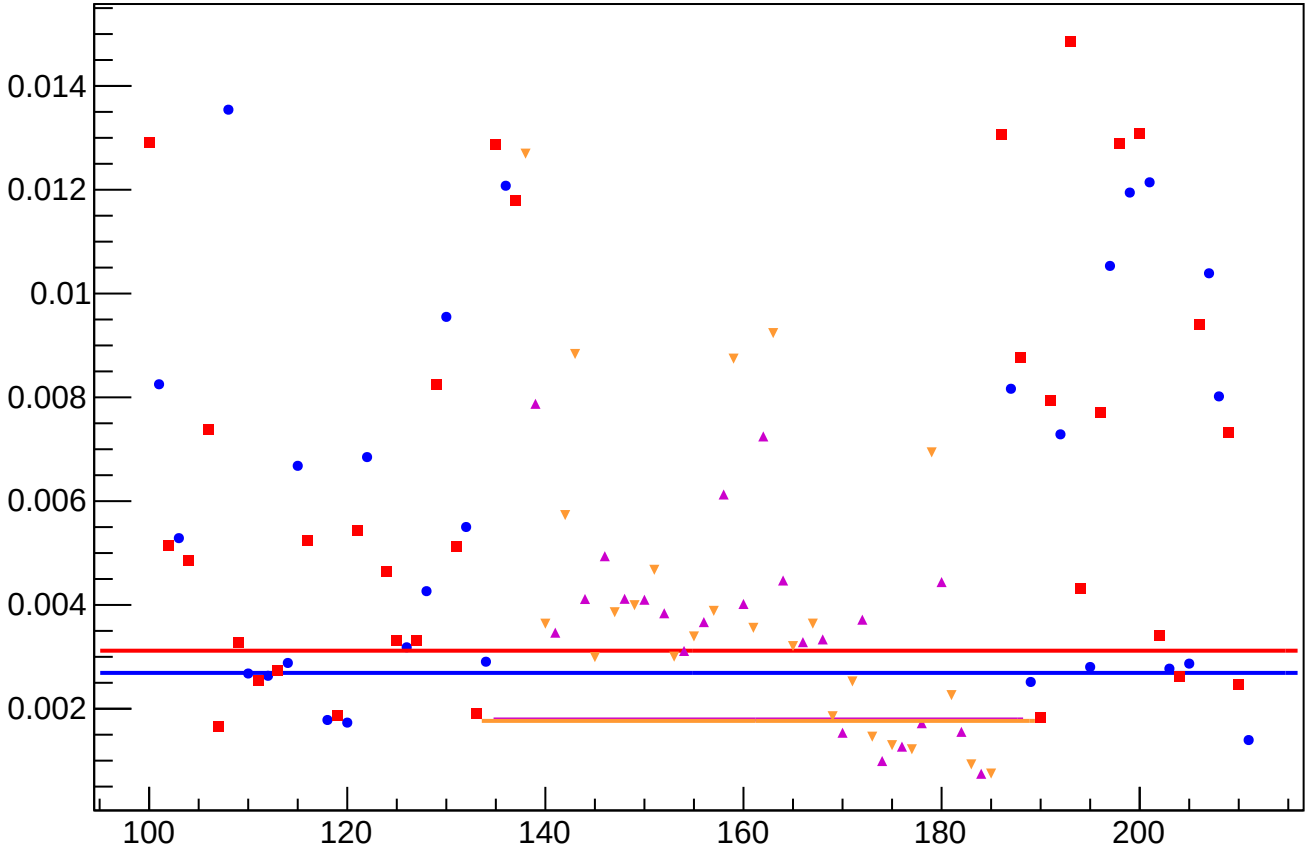
Right: 0.000+/-0.000 χ^2/NDF: 106.4/60

In: 0.000+/-0.000 χ^2/NDF:65.1/50

Out: -0.000+/-0.000 χ^2/NDF:94.5/57

All: 0.000+/-0.000 χ^2/NDF: 159.8/108

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: 11033732.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10419511.6/32

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

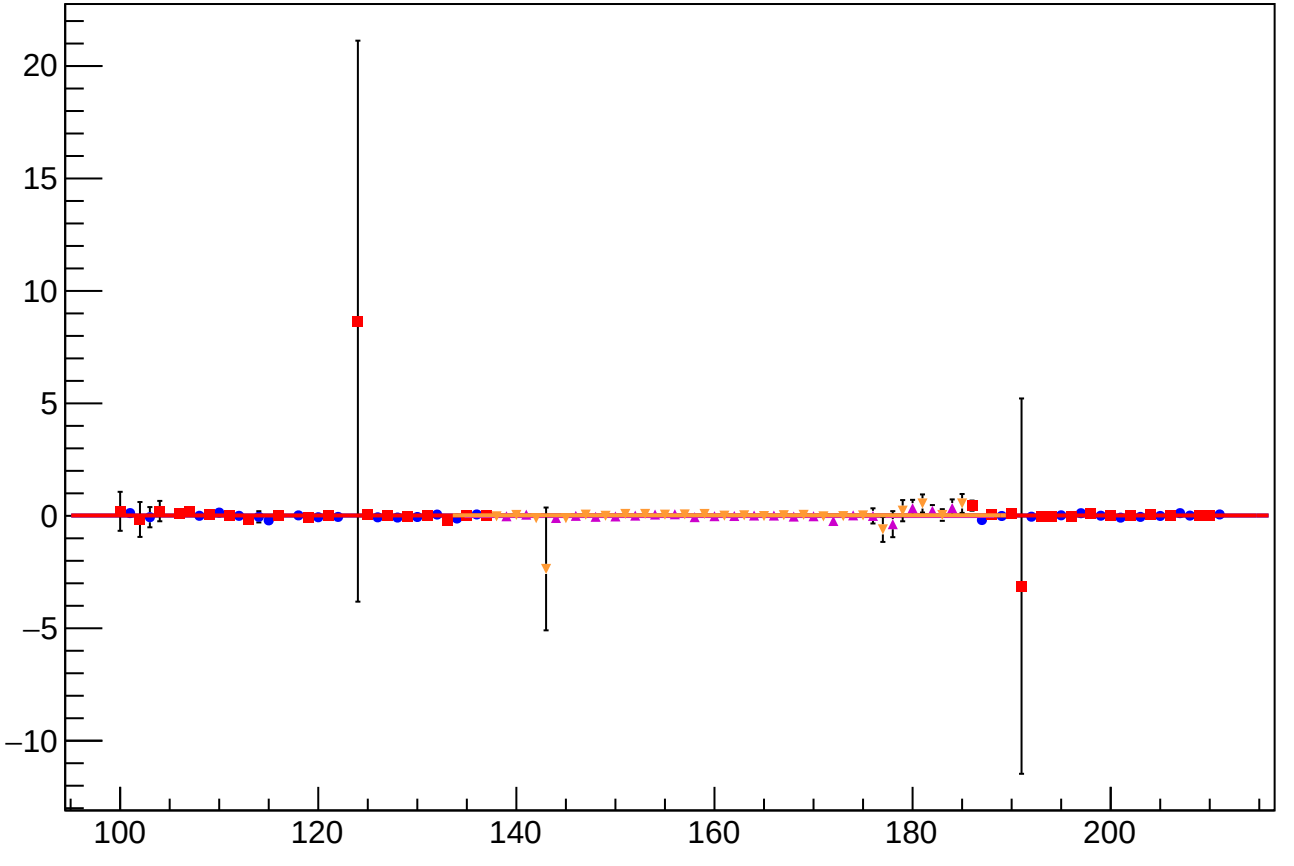
Right: 0.003+/-0.000 χ^2/NDF: 21694720.8/60

In: 0.002+/-0.000 χ^2/NDF:23391388.4/50

Out: 0.002+/-0.000 χ^2/NDF:26784305.5/57

All: 0.002+/-0.000 χ^2/NDF: 50185242.6/108

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

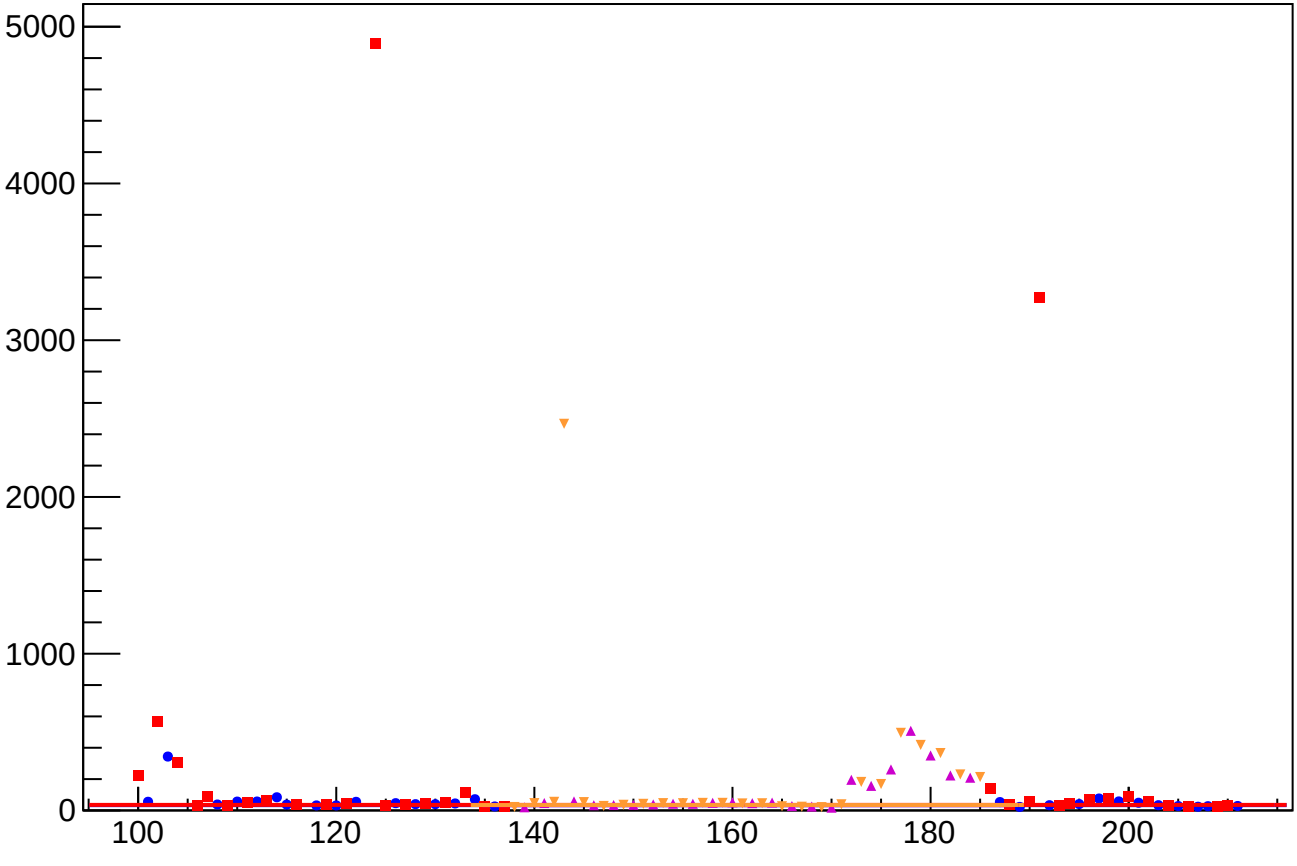
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

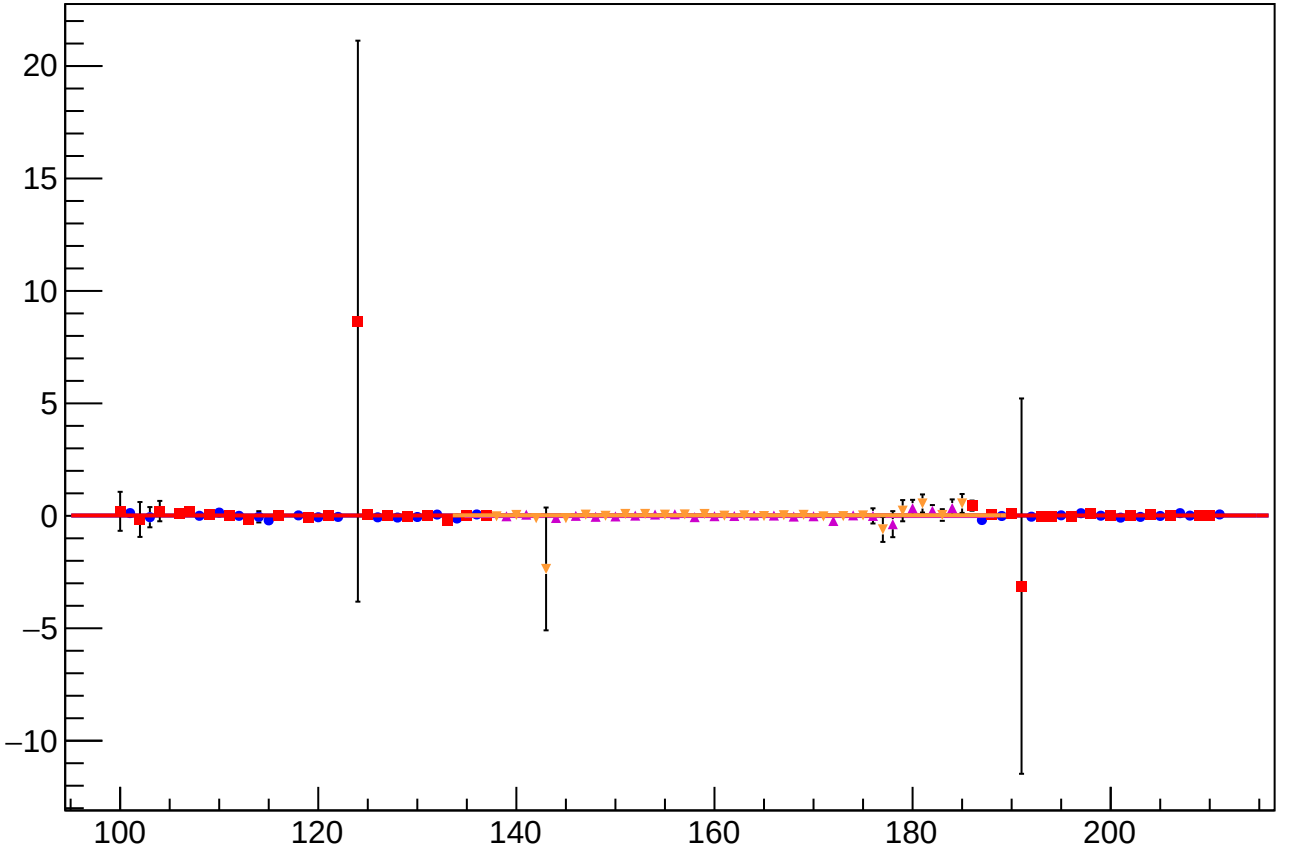
Right: 34.623+/-0.005 χ^2/NDF: 10024362.7/60

In: 33.714+/-0.005 χ^2/NDF:13675704.9/50

Out: 35.066+/-0.005 χ^2/NDF:17796680.6/57

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.010 χ^2/NDF: 44.1/27

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.010 χ^2/NDF: 22.6/32

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

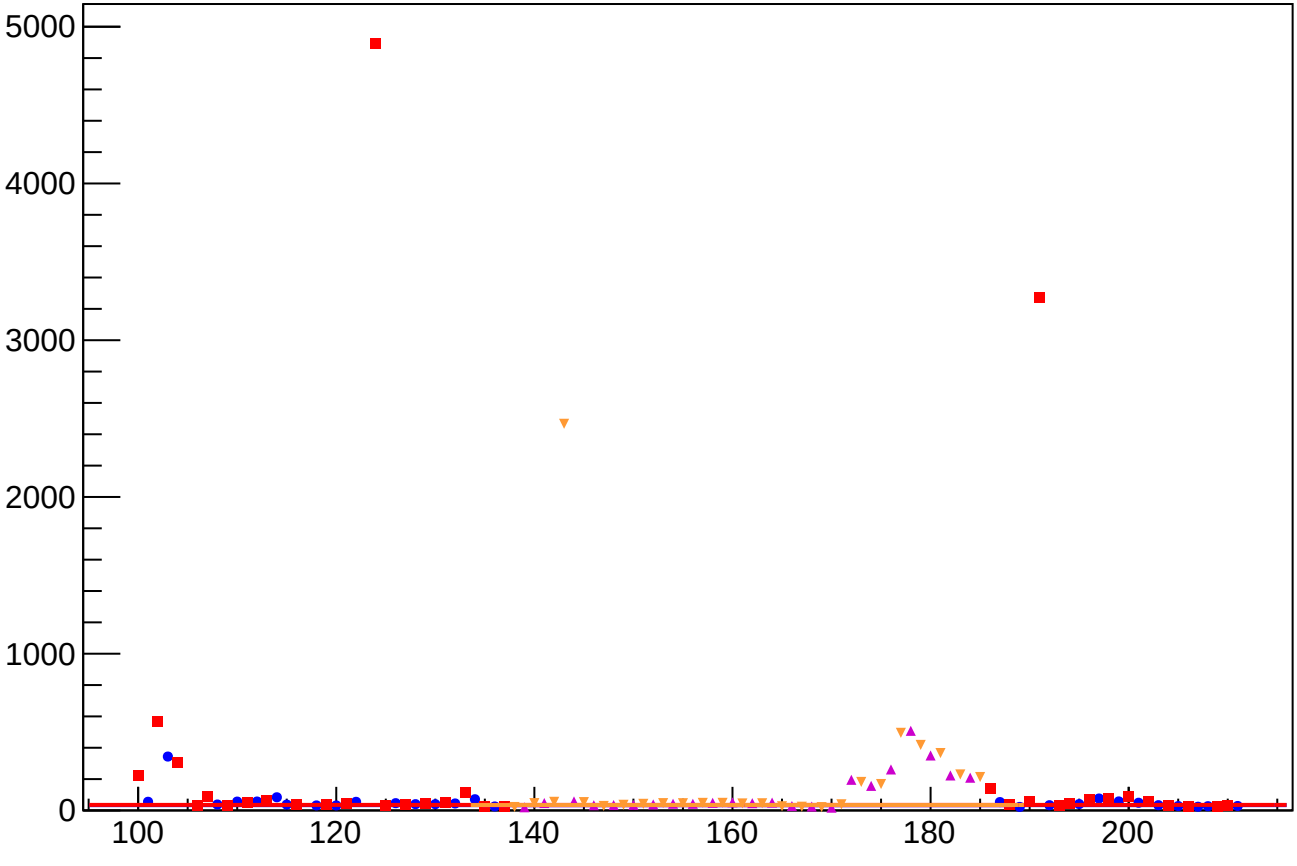
Right: 0.015+/-0.007 χ^2/NDF: 66.8/60

In: 0.002+/-0.007 χ^2/NDF:61.6/50

Out: 0.020+/-0.007 χ^2/NDF:45.7/57

All: 0.011+/-0.005 χ^2/NDF: 110.5/108

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.827+/-0.007 χ^2/NDF: 3608946.4/27

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.499+/-0.007 χ^2/NDF: 6386655.0/32

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

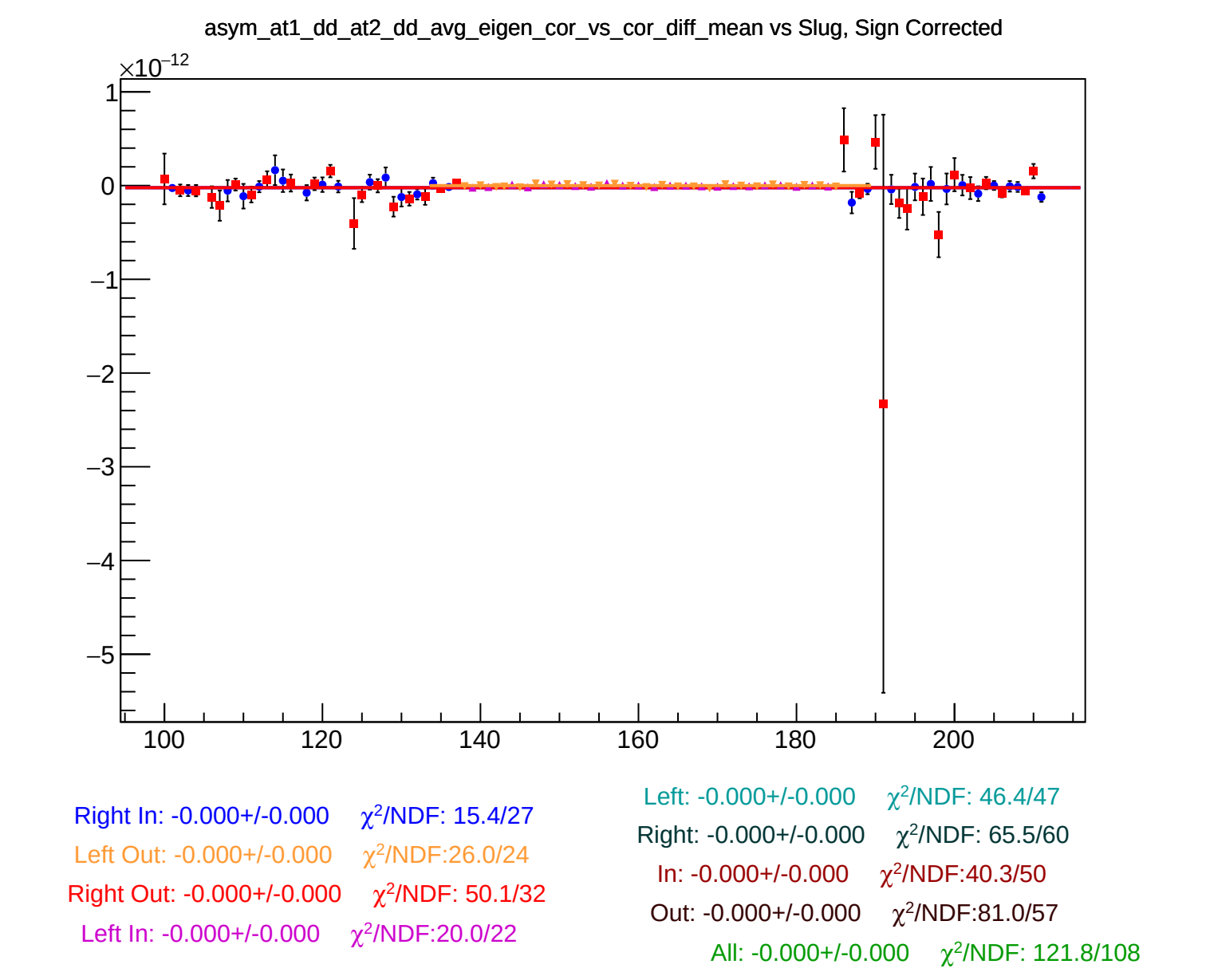
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

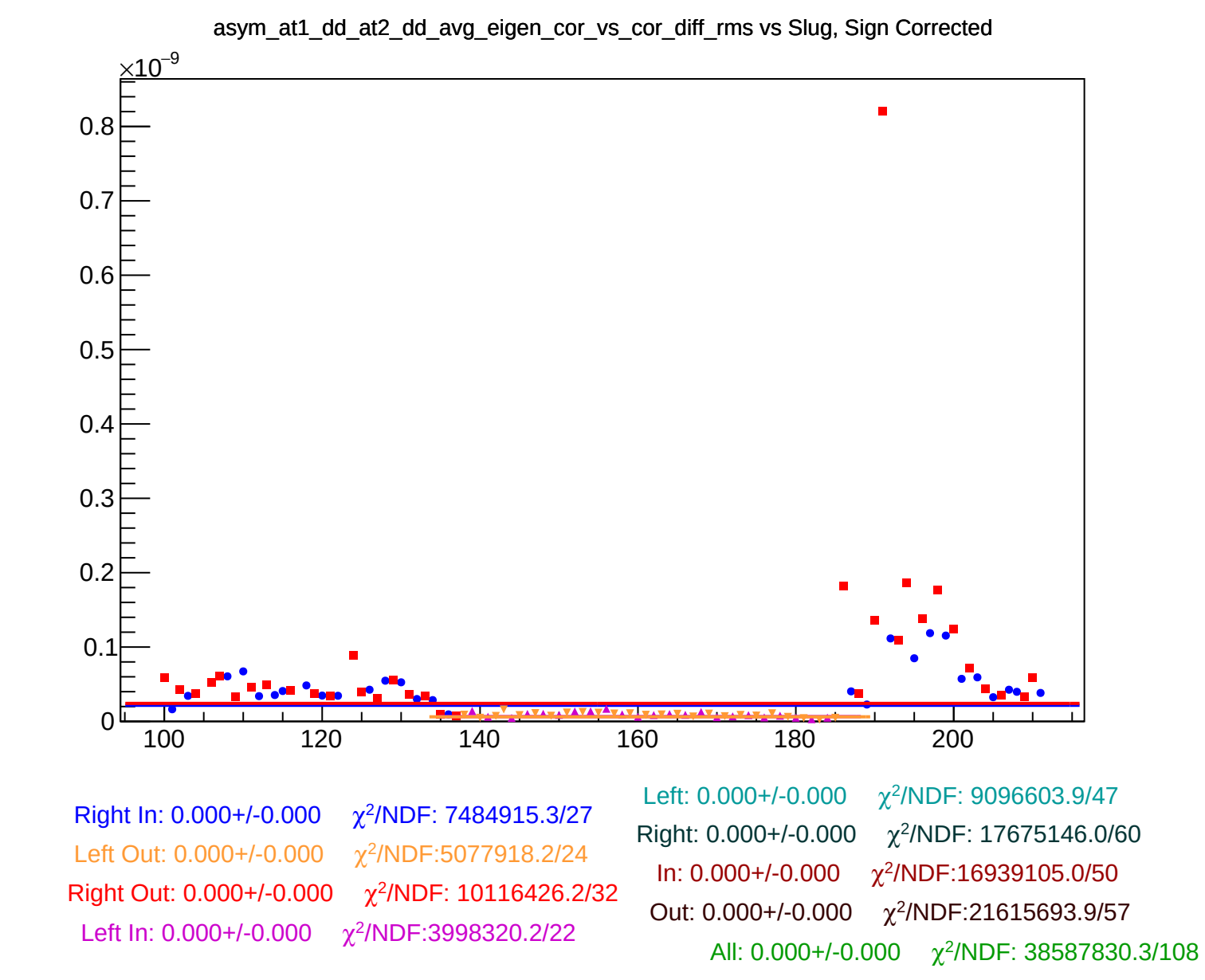
Right: 34.623+/-0.005 χ^2/NDF: 10024362.7/60

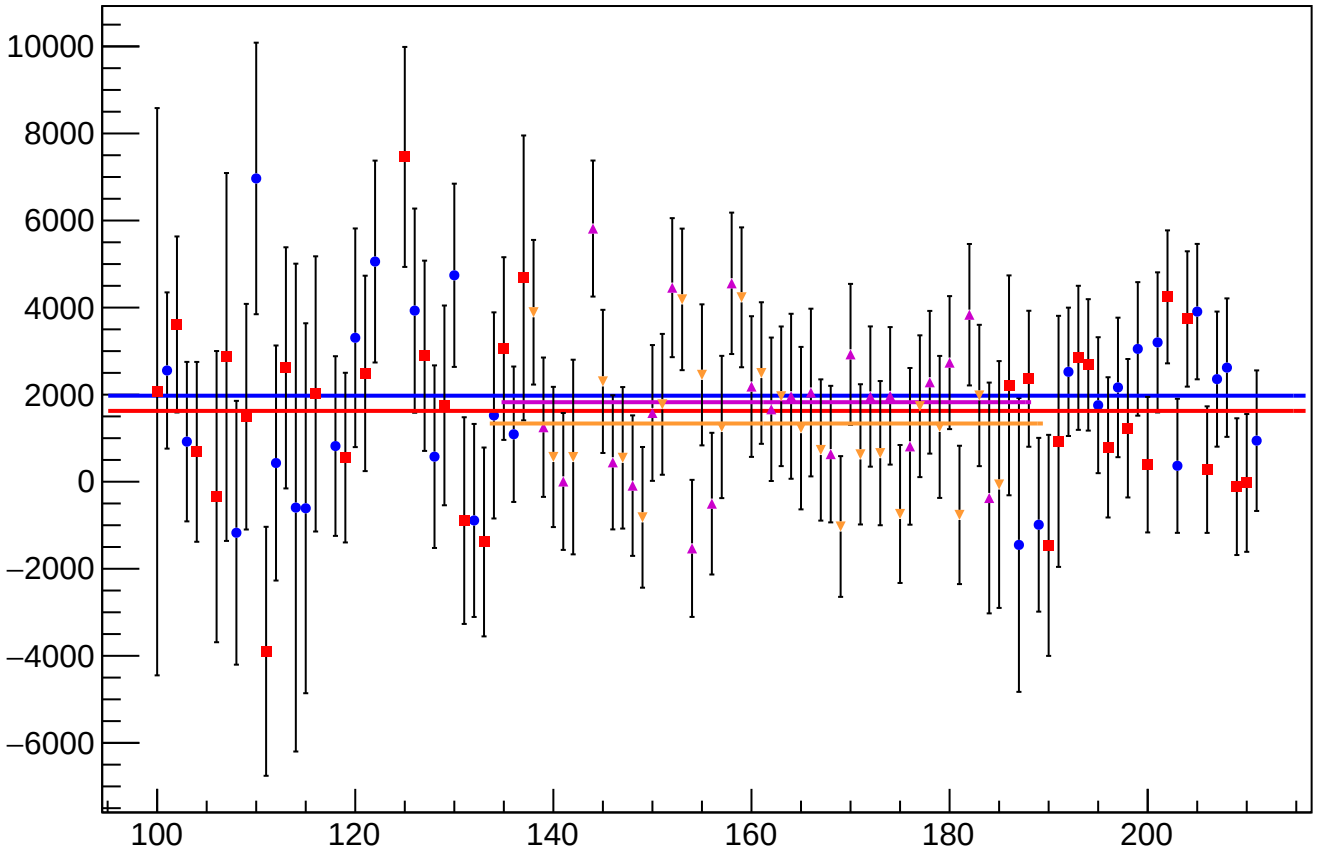
In: 33.714+/-0.005 χ^2/NDF:13675704.9/50

Out: 35.066+/-0.005 χ^2/NDF:17796680.6/57

All: 34.365+/-0.004 χ^2/NDF: 31509159.7/108


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.4/27
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 50.1/32
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 65.5/60
In: -0.000+/-0.000 χ²/NDF:40.3/50
Out: -0.000+/-0.000 χ²/NDF:81.0/57
All: -0.000+/-0.000 χ²/NDF: 121.8/108


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7484915.3/27
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 10116426.2/32
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 17675146.0/60
In: 0.000+/-0.000 χ²/NDF:16939105.0/50
Out: 0.000+/-0.000 χ²/NDF:21615693.9/57
All: 0.000+/-0.000 χ²/NDF: 38587830.3/108



Right In: 1975.933+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1626.653+/-357.224 χ^2/NDF: 27.8/31

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

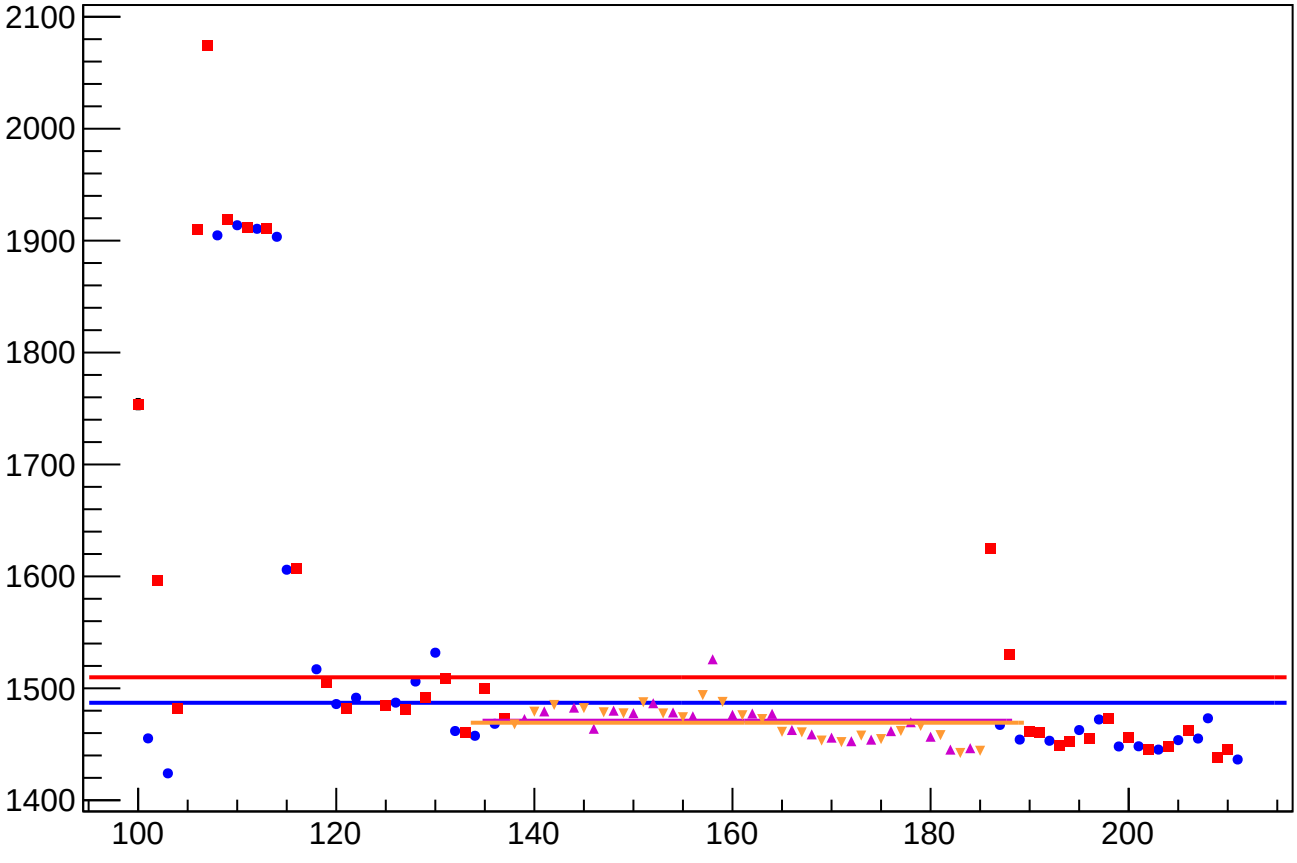
Right: 1797.368+/-255.418 χ^2/NDF: 48.2/59

In: 1896.664+/-250.251 χ^2/NDF:46.6/50

Out: 1475.109+/-246.664 χ^2/NDF:47.3/55

All: 1682.844+/-175.672 χ^2/NDF: 95.3/106

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.1/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1509.851+/-0.253 χ^2/NDF: 240281.6/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

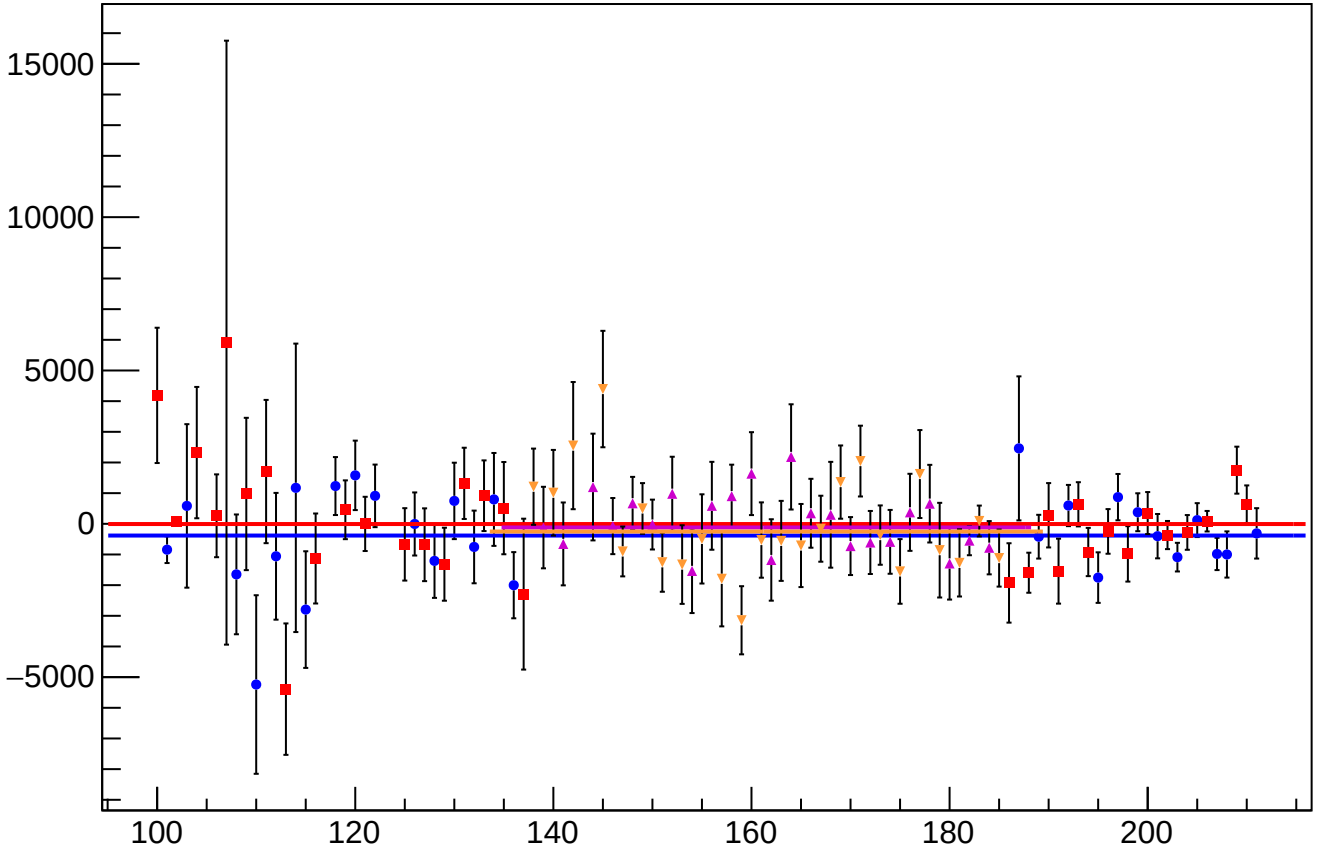
Right: 1498.719+/-0.181 χ^2/NDF: 397003.9/59

In: 1478.570+/-0.177 χ^2/NDF:159431.8/50

Out: 1488.617+/-0.174 χ^2/NDF:256943.5/55

All: 1483.666+/-0.124 χ^2/NDF: 418010.3/106

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.563+/-157.488 χ^2/NDF: 33.9/27

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -7.142+/-102.052 χ^2/NDF: 39.3/31

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

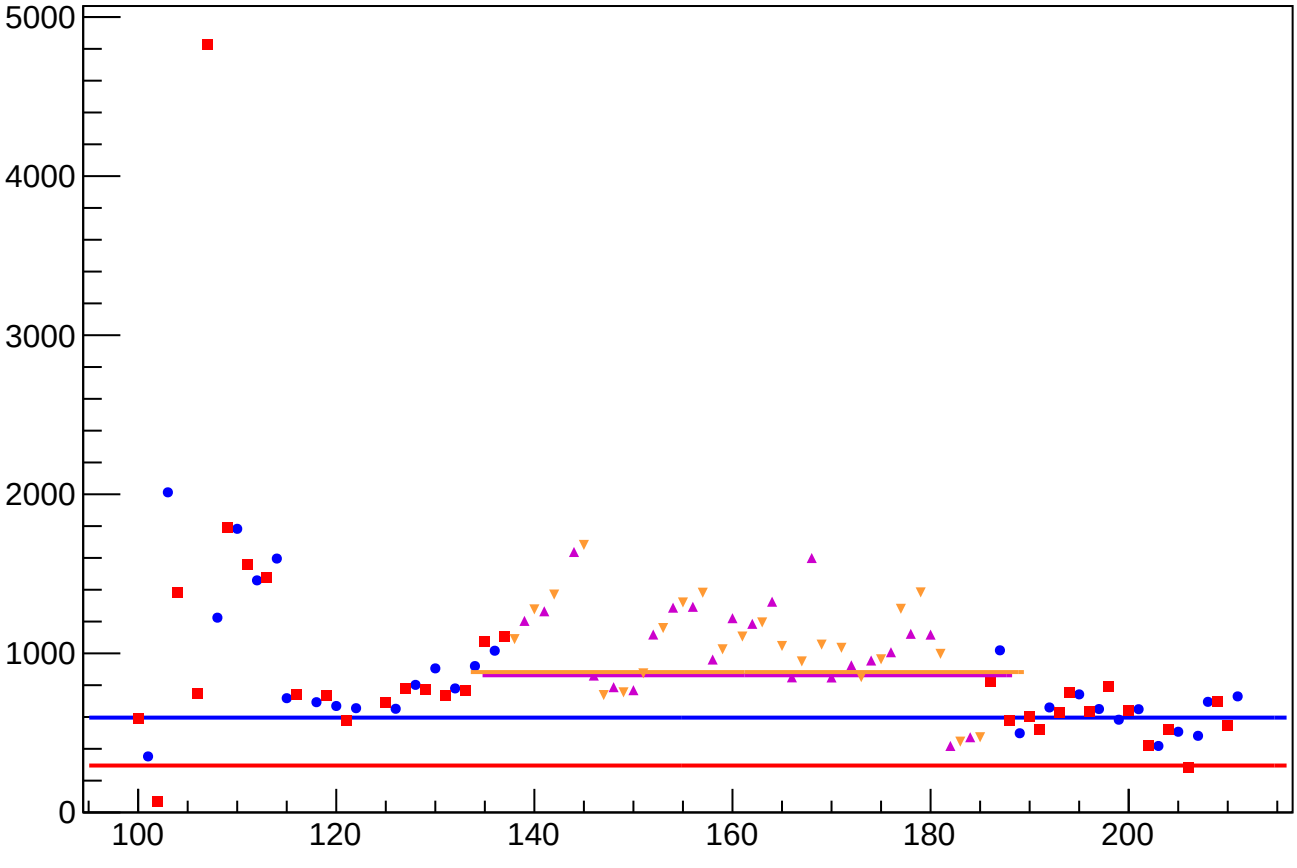
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -118.165+/-85.643 χ^2/NDF: 77.2/59

In: -291.348+/-127.250 χ^2/NDF:47.7/50

Out: -50.964+/-92.454 χ^2/NDF:73.0/55

All: -134.017+/-74.797 χ^2/NDF: 123.1/106



Right In: 596.167+/-0.111 χ^2/NDF: 3575496.1/27

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 294.951+/-0.072 χ^2/NDF: 16530126.5/31

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

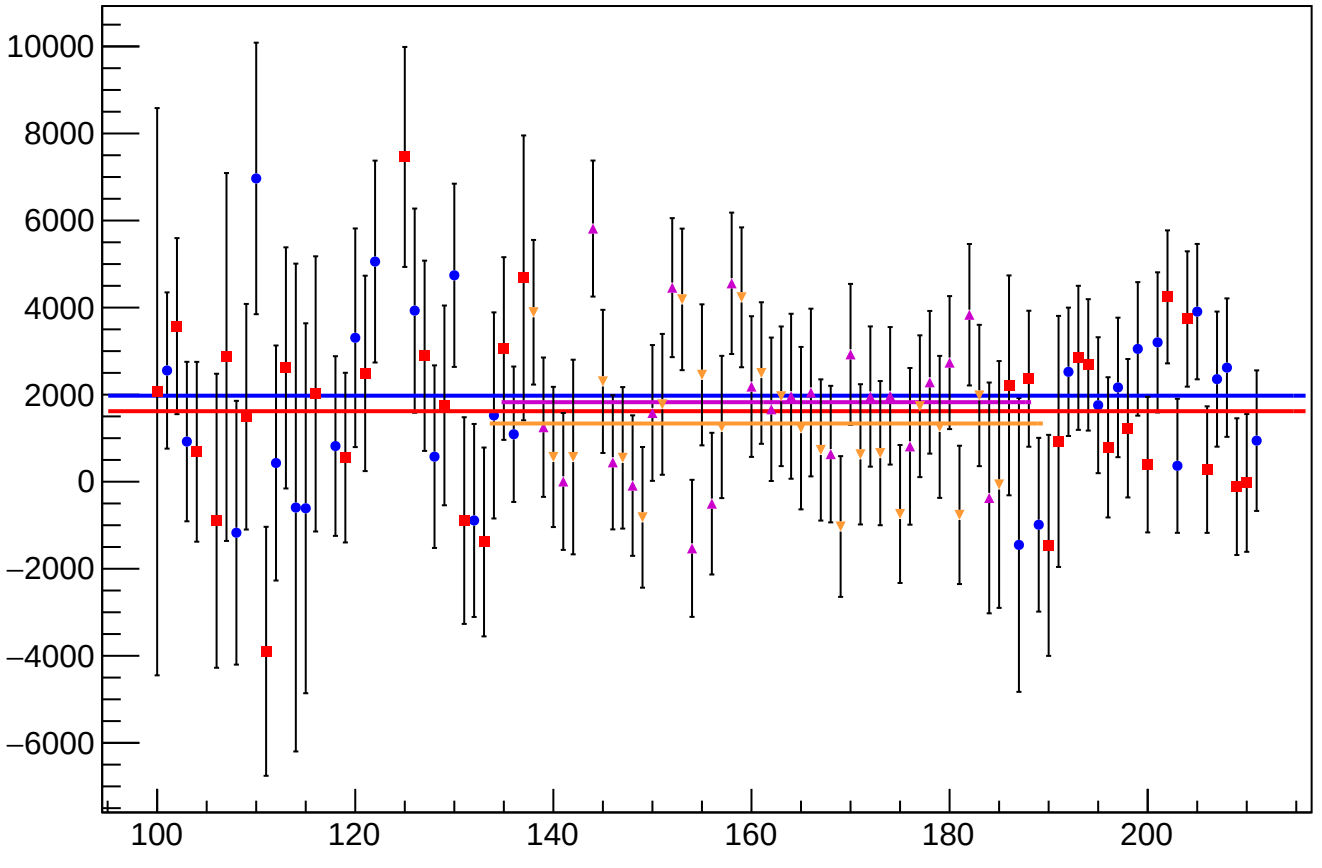
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 384.029+/-0.061 χ^2/NDF: 25258318.4/59

In: 688.552+/-0.090 χ^2/NDF:9927491.5/50

Out: 400.259+/-0.065 χ^2/NDF:32312054.6/55

All: 499.865+/-0.053 χ^2/NDF: 48958386.1/10



Right In: 1976.041+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1619.677+/-357.264 χ^2/NDF: 27.9/31

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

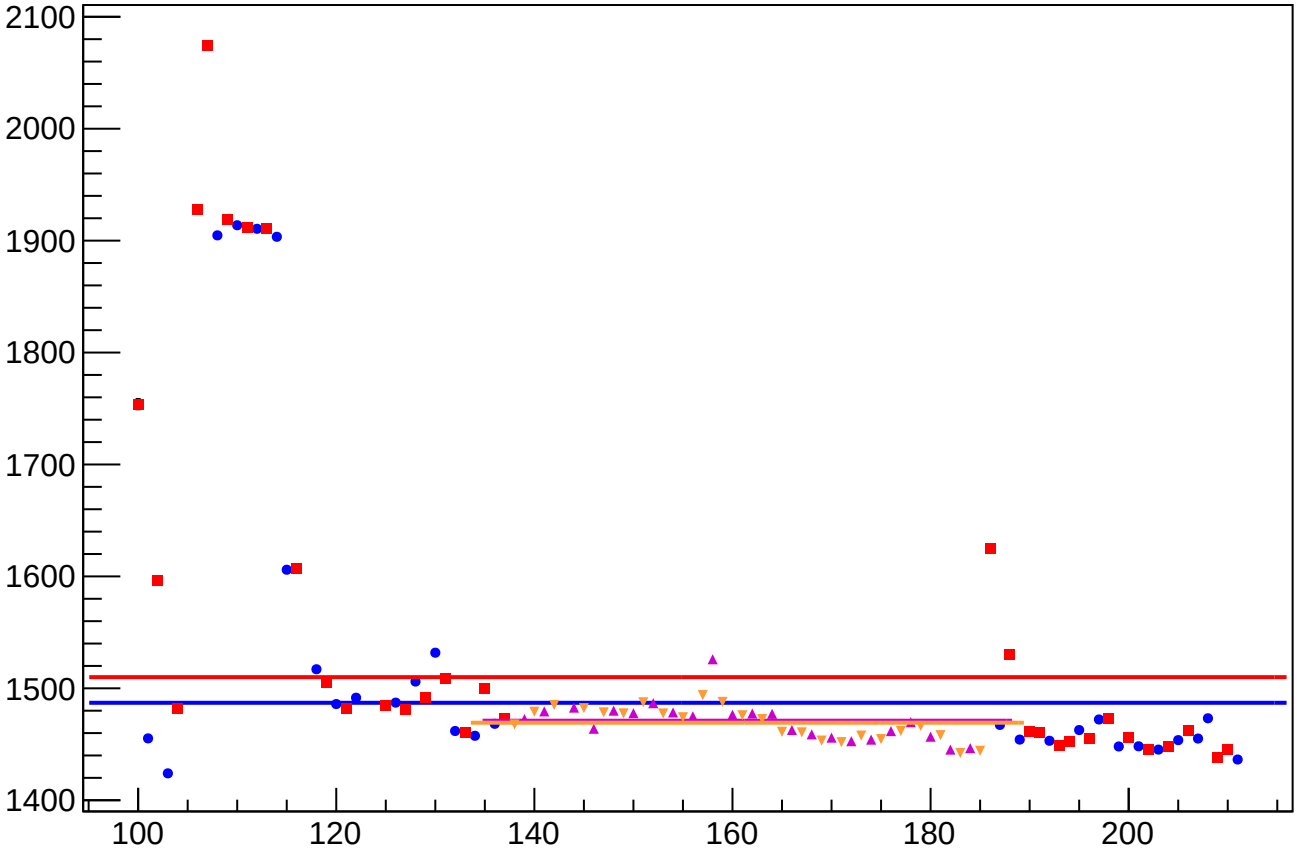
Right: 1793.875+/-255.433 χ^2/NDF: 48.4/59

In: 1896.739+/-250.251 χ^2/NDF:46.5/50

Out: 1471.773+/-246.677 χ^2/NDF:47.5/55

All: 1681.200+/-175.677 χ^2/NDF: 95.5/106

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.0/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1509.975+/-0.253 χ^2/NDF: 242383.2/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

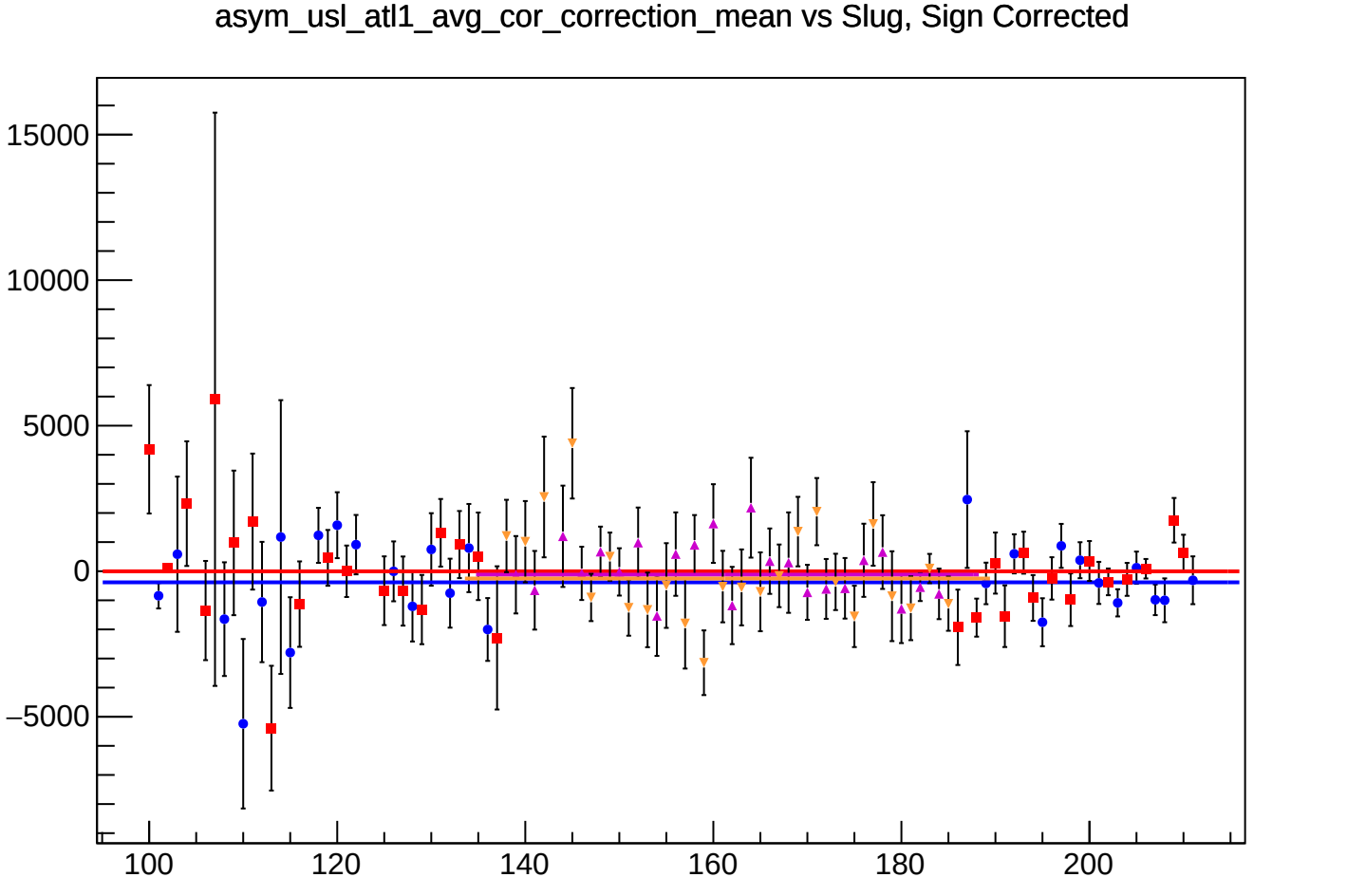
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

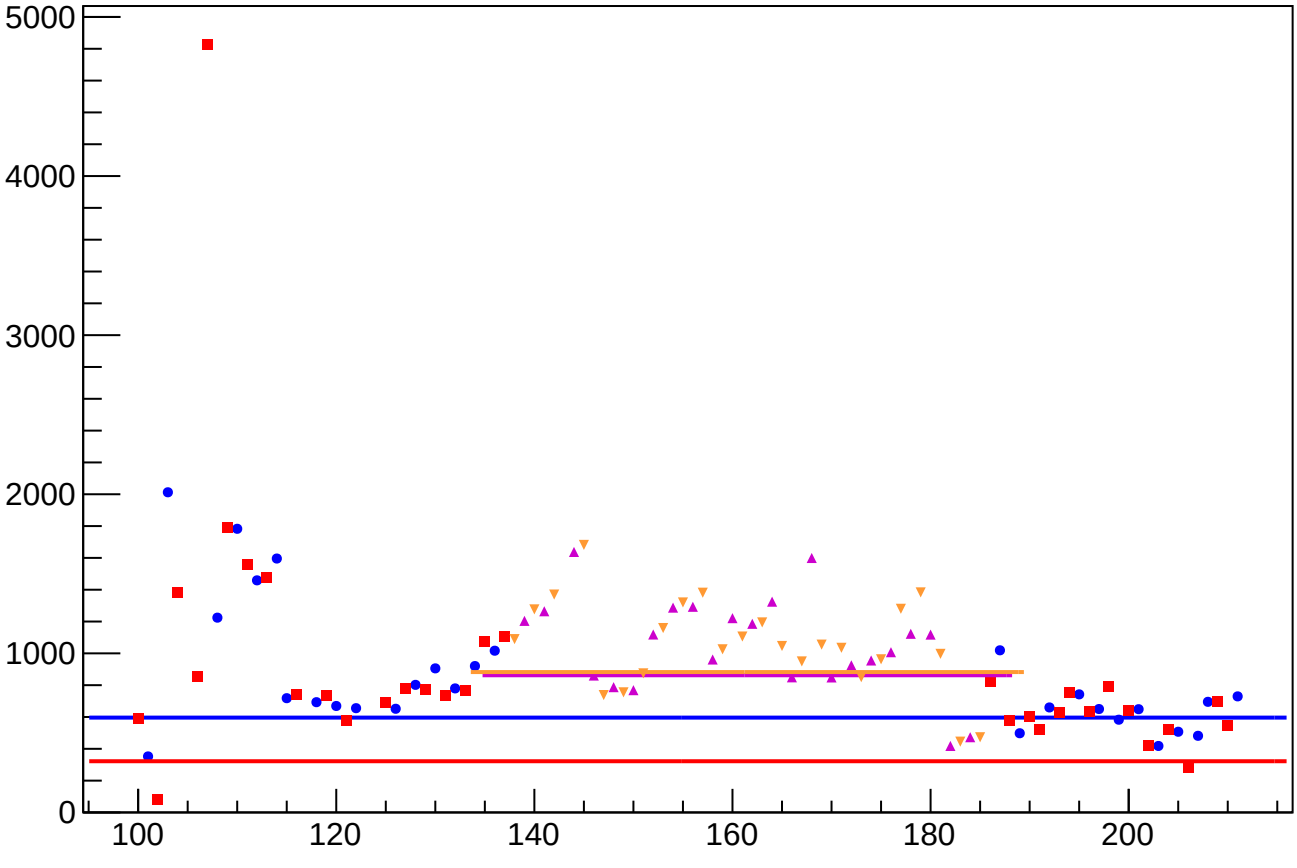
Right: 1498.781+/-0.181 χ^2/NDF: 399148.3/59

In: 1478.570+/-0.177 χ^2/NDF:159431.7/50

Out: 1488.674+/-0.174 χ^2/NDF:259125.9/55

All: 1483.695+/-0.124 χ^2/NDF: 420211.1/106


asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -382.501+/-157.486 χ²/NDF: 33.9/27
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: -3.925+/-107.150 χ²/NDF: 40.1/31
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -123.718+/-88.589 χ²/NDF: 78.0/59
In: -291.324+/-127.249 χ²/NDF:47.7/50
Out: -51.984+/-96.193 χ²/NDF:73.9/55
All: -139.019+/-76.735 χ²/NDF: 123.8/106



Right In: 596.157+/-0.111 χ^2/NDF: 3575769.2/27

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 321.953+/-0.076 χ^2/NDF: 15117222.3/31

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

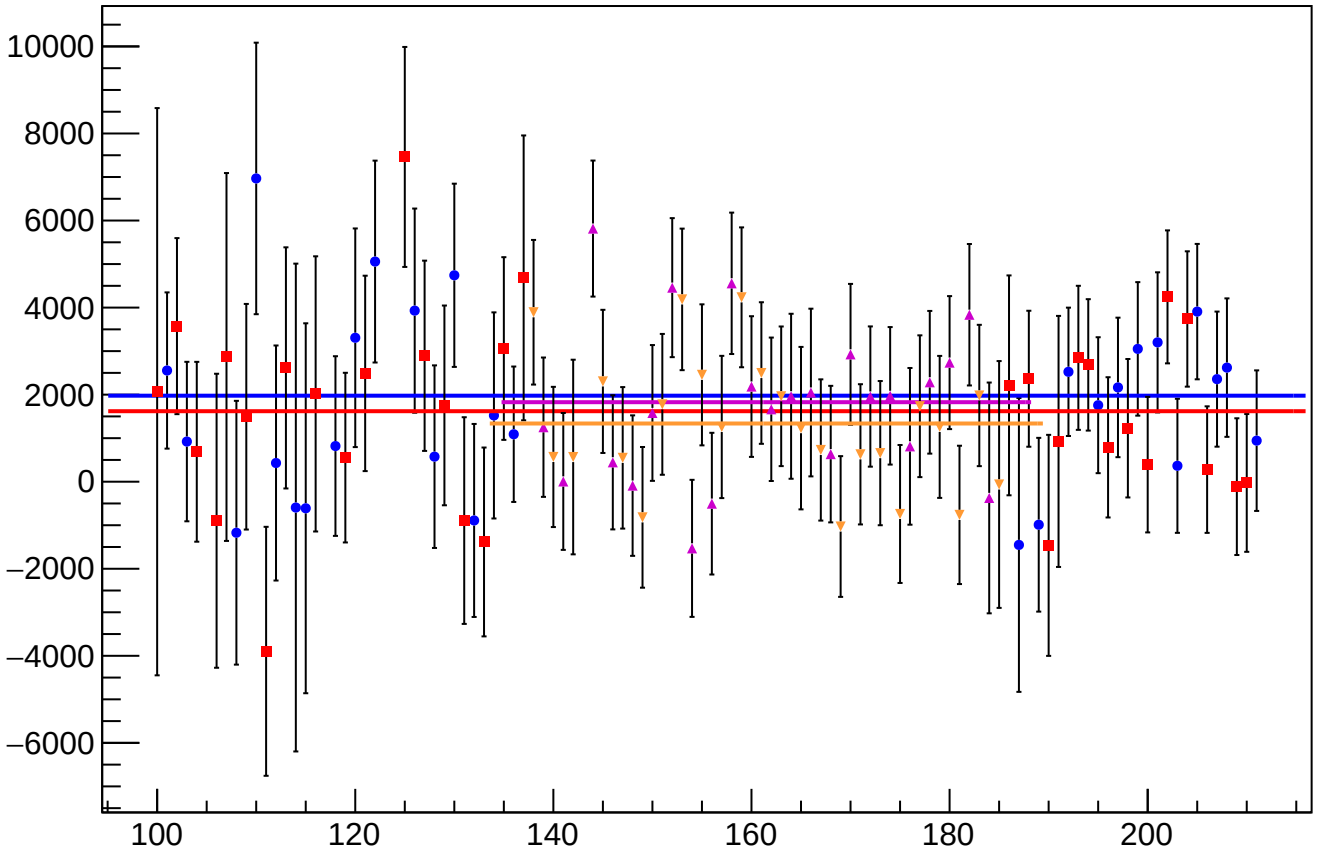
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 408.720+/-0.063 χ^2/NDF: 22837519.8/59

In: 688.545+/-0.090 χ^2/NDF:9927964.4/50

Out: 430.712+/-0.068 χ^2/NDF:29637260.7/55

All: 524.472+/-0.054 χ^2/NDF: 44790365.4/10



Right In: 1976.041+/-365.345 χ^2/NDF: 20.0/27

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1619.677+/-357.264 χ^2/NDF: 27.9/31

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

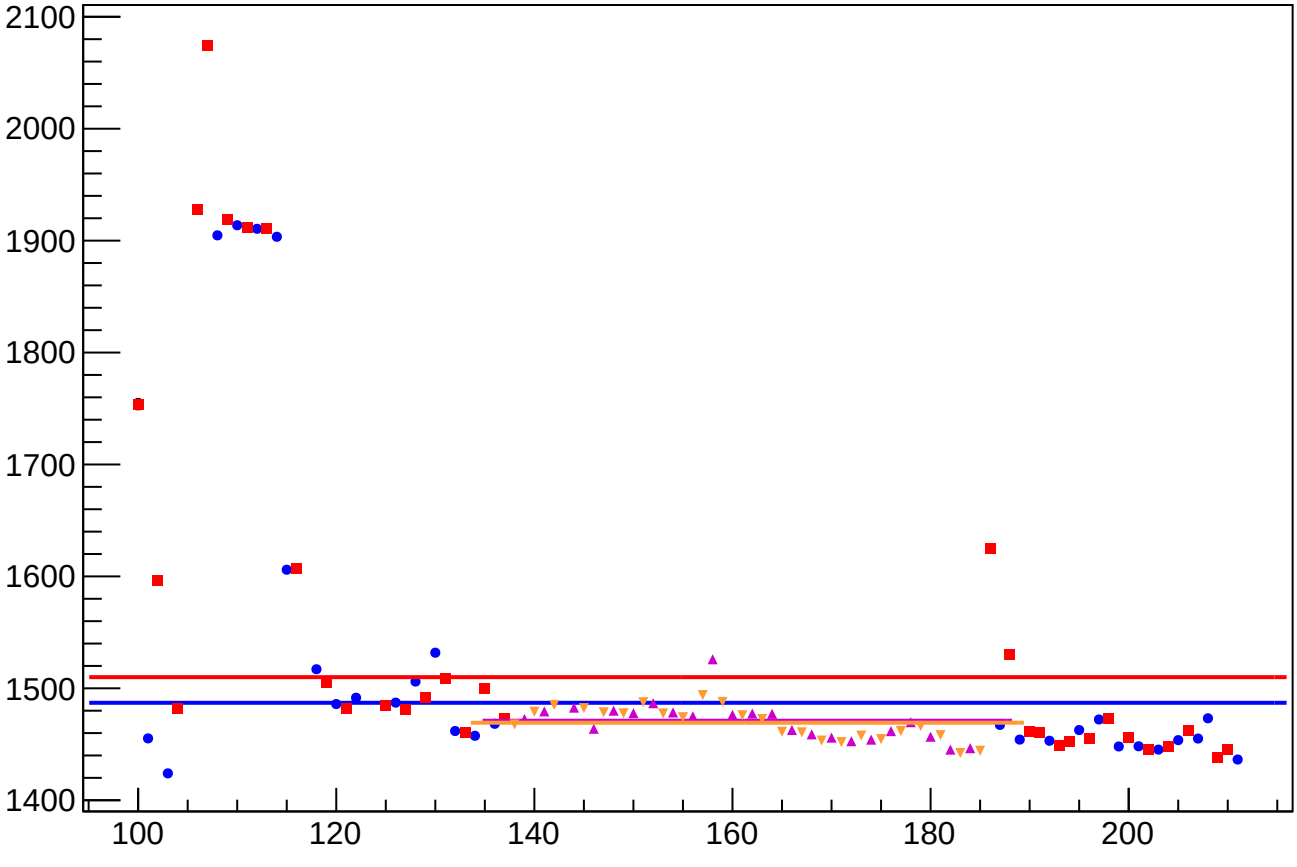
Right: 1793.875+/-255.433 χ^2/NDF: 48.4/59

In: 1896.739+/-250.251 χ^2/NDF:46.5/50

Out: 1471.773+/-246.677 χ^2/NDF:47.5/55

All: 1681.200+/-175.677 χ^2/NDF: 95.5/106

eigen_cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1487.074+/-0.258 χ^2/NDF: 152748.0/27

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1509.975+/-0.253 χ^2/NDF: 242383.2/31

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

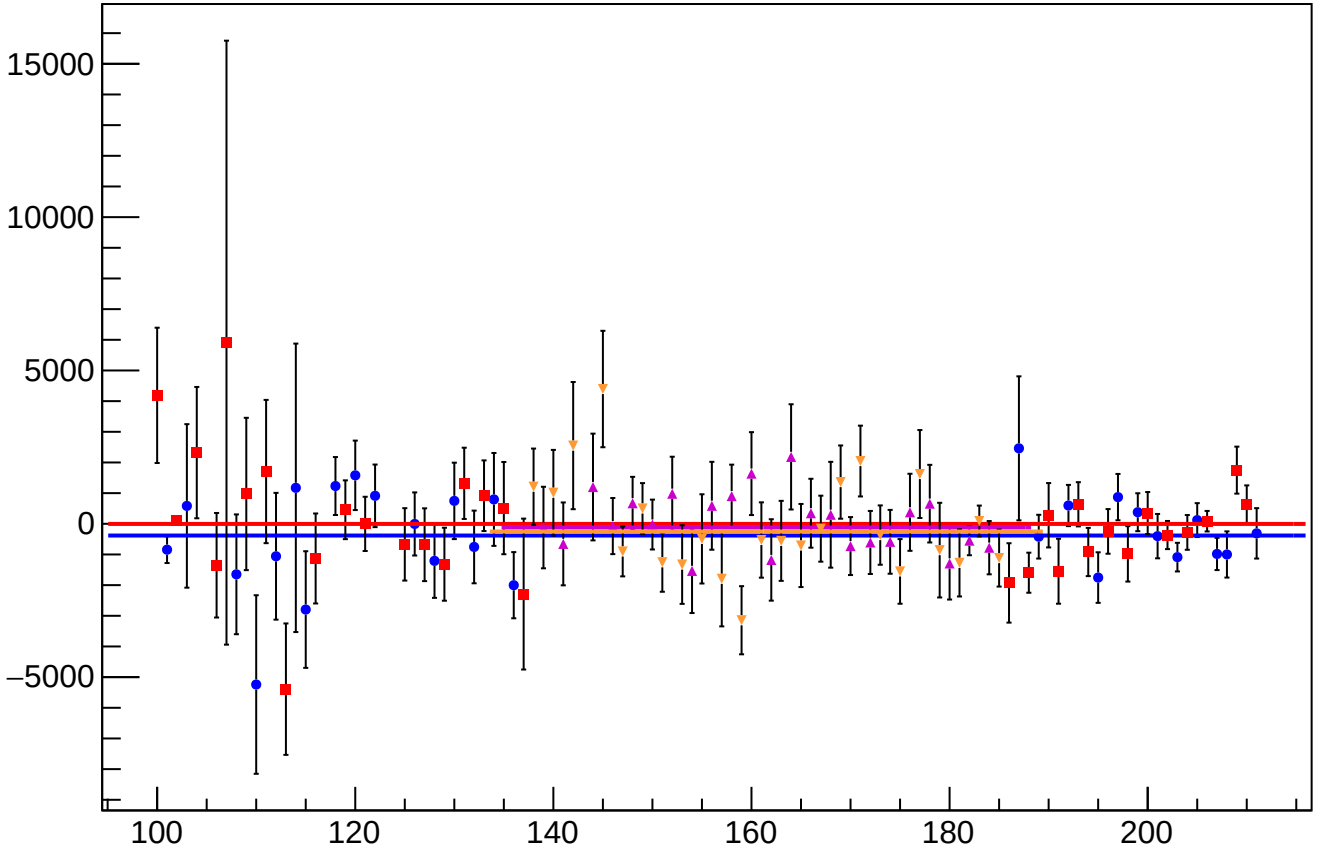
Right: 1498.781+/-0.181 χ^2/NDF: 399148.3/59

In: 1478.570+/-0.177 χ^2/NDF:159431.7/50

Out: 1488.674+/-0.174 χ^2/NDF:259125.9/55

All: 1483.695+/-0.124 χ^2/NDF: 420211.1/106

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.501+/-157.486 χ^2/NDF: 33.9/27

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -3.925+/-107.150 χ^2/NDF: 40.1/31

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

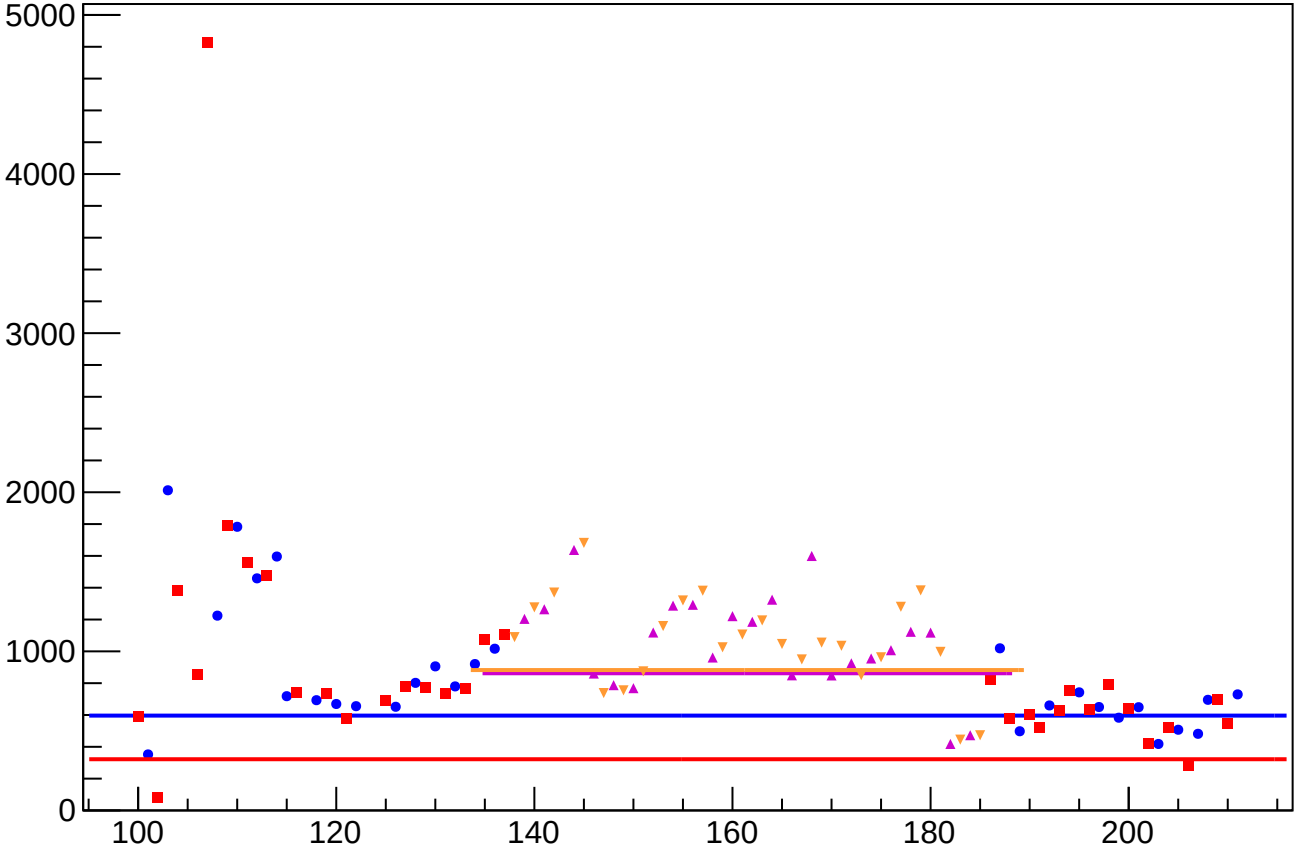
Right: -123.718+/-88.589 χ^2/NDF: 78.0/59

In: -291.324+/-127.249 χ^2/NDF:47.7/50

Out: -51.984+/-96.193 χ^2/NDF:73.9/55

All: -139.019+/-76.735 χ^2/NDF: 123.8/106

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 596.157+/-0.111 χ^2/NDF: 3575769.2/27

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 321.953+/-0.076 χ^2/NDF: 15117222.3/31

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

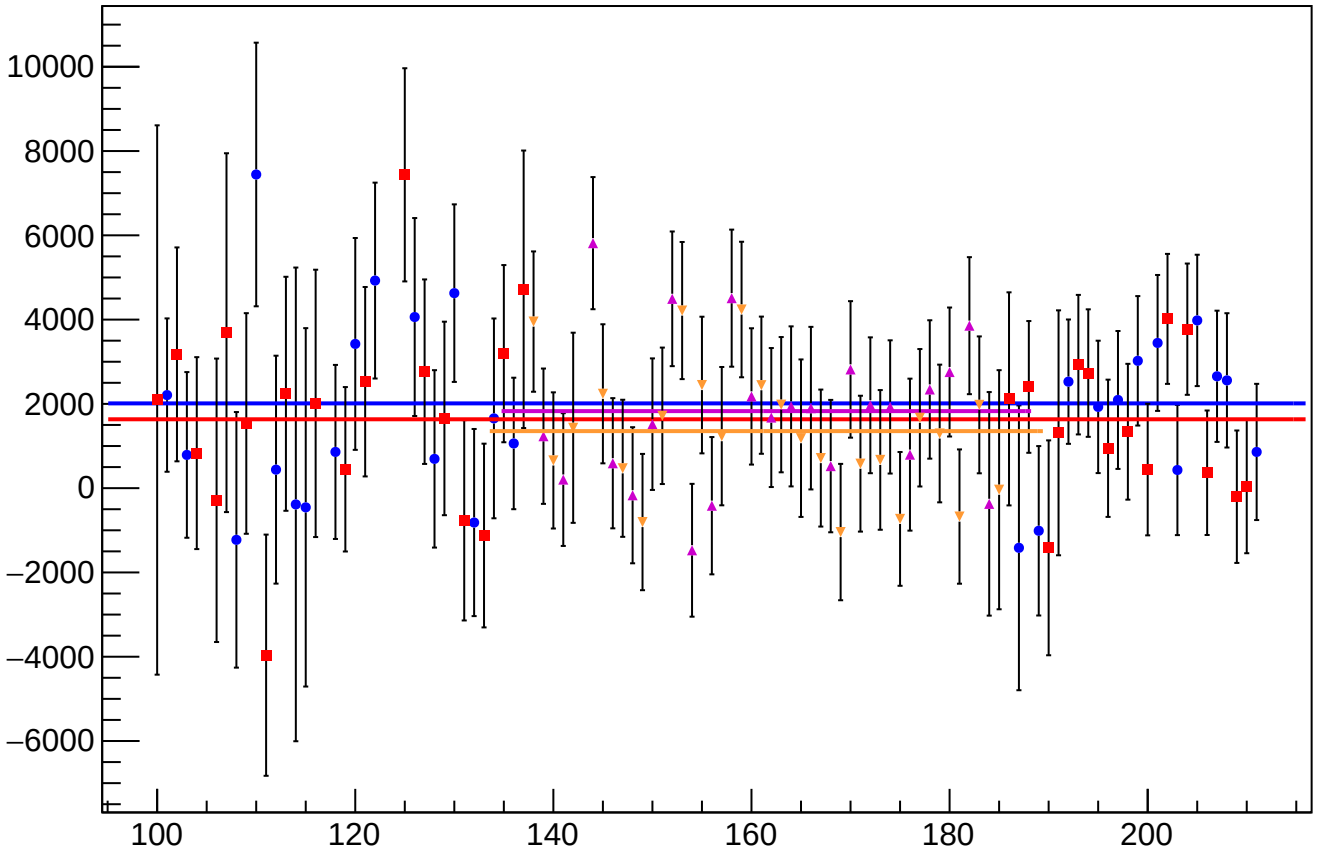
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 408.720+/-0.063 χ^2/NDF: 22837519.8/59

In: 688.545+/-0.090 χ^2/NDF:9927964.4/50

Out: 430.712+/-0.068 χ^2/NDF:29637260.7/55

All: 524.472+/-0.054 χ^2/NDF: 44790365.4/10



Right In: 2011.747+/-367.653 χ^2/NDF: 20.4/27

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1634.517+/-361.869 χ^2/NDF: 26.1/31

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

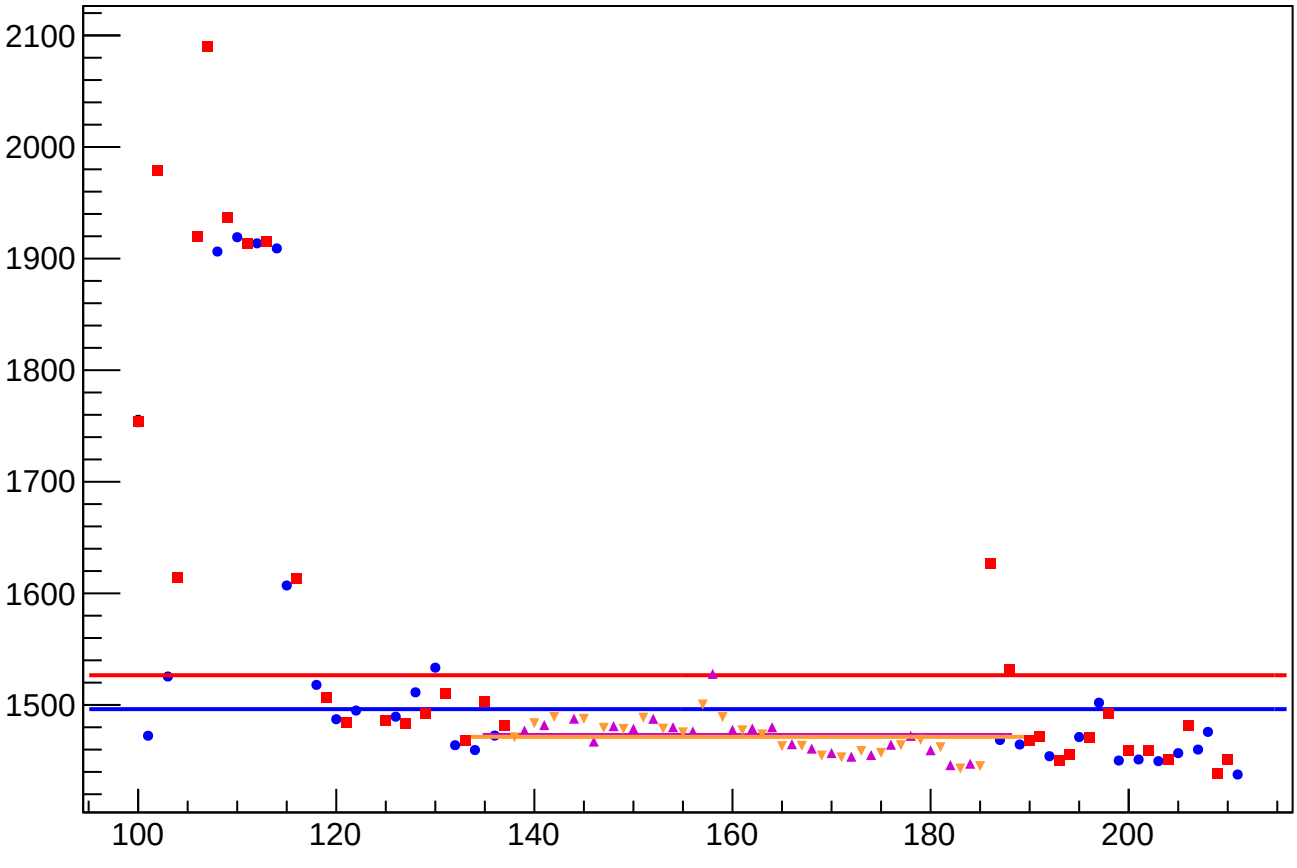
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1820.141+/-257.901 χ^2/NDF: 47.0/59

In: 1913.893+/-251.172 χ^2/NDF:46.4/50

Out: 1486.004+/-248.393 χ^2/NDF:45.3/55

All: 1697.568+/-176.615 χ^2/NDF: 93.2/106



Right In: 1496.251+/-0.260 χ^2/NDF: 149361.5/27

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1526.643+/-0.256 χ^2/NDF: 304380.0/31

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

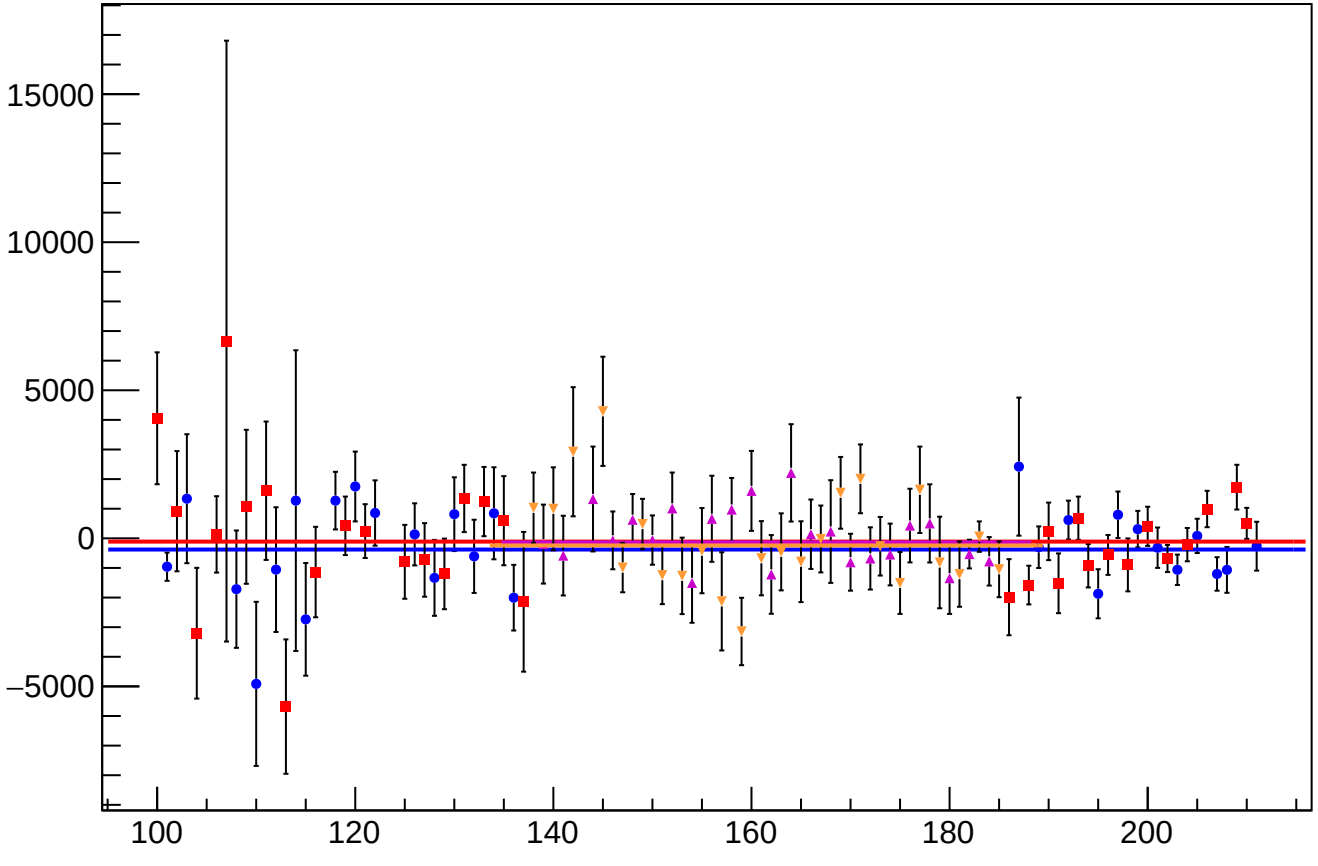
Right: 1511.688+/-0.182 χ^2/NDF: 460683.5/59

In: 1483.878+/-0.178 χ^2/NDF:158360.4/50

Out: 1497.448+/-0.176 χ^2/NDF:332433.1/55

All: 1490.738+/-0.125 χ^2/NDF: 493745.0/106

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -378.430+/-163.048 χ^2/NDF: 34.7/27

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -110.682+/-160.097 χ^2/NDF: 44.8/31

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

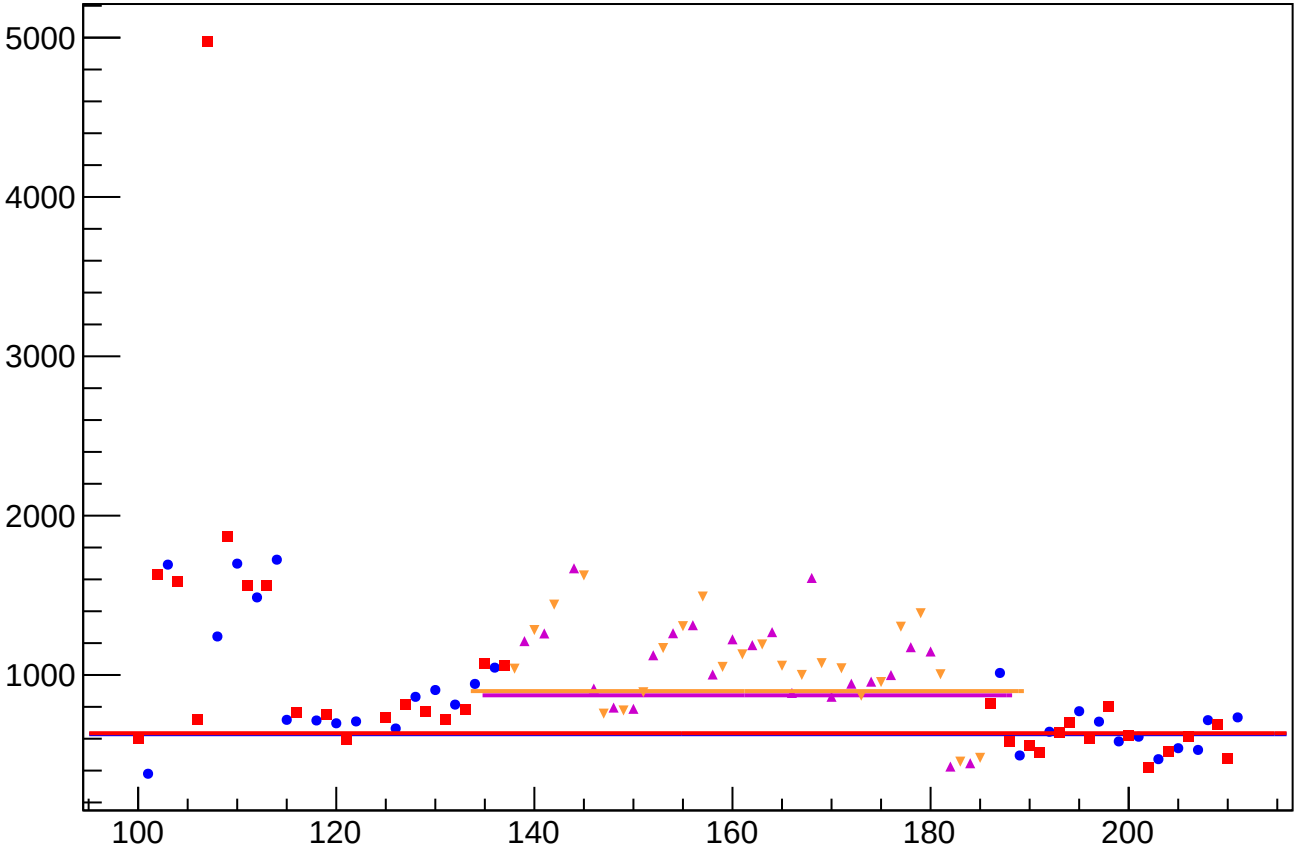
Right: -242.111+/-114.235 χ^2/NDF: 80.9/59

In: -292.574+/-130.671 χ^2/NDF:48.5/50

Out: -155.074+/-129.810 χ^2/NDF:77.5/55

All: -223.370+/-92.092 χ^2/NDF: 126.5/106

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 628.360+/-0.115 χ^2/NDF: 3124438.3/27

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 634.590+/-0.113 χ^2/NDF: 3665311.2/31

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

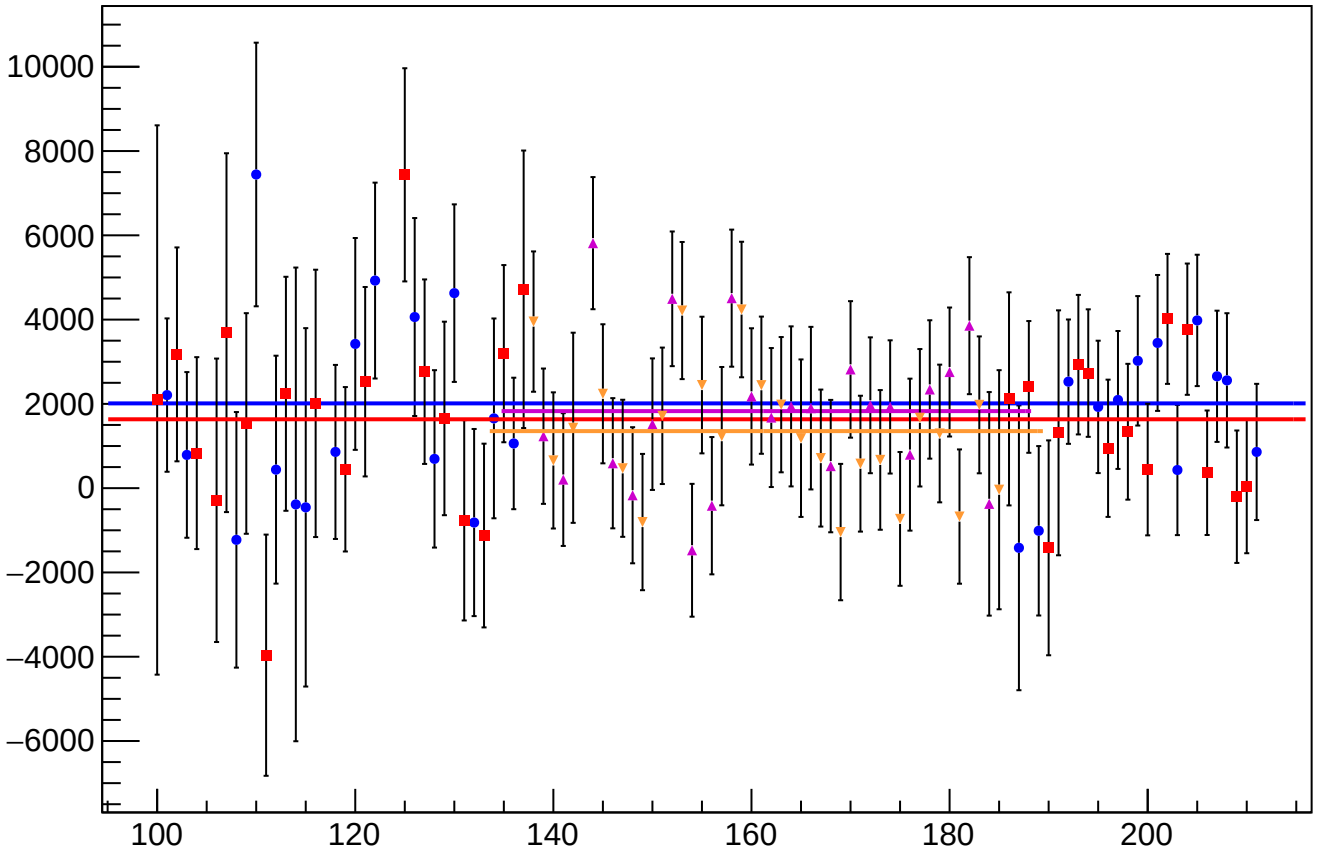
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 631.532+/-0.081 χ^2/NDF: 6791236.1/59

In: 715.683+/-0.092 χ^2/NDF:9163642.7/50

Out: 725.116+/-0.092 χ^2/NDF:9323515.3/55

All: 720.431+/-0.065 χ^2/NDF: 18492403.3/10



Right In: 2011.745+/-367.653 χ^2/NDF: 20.4/27

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1634.516+/-361.869 χ^2/NDF: 26.1/31

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

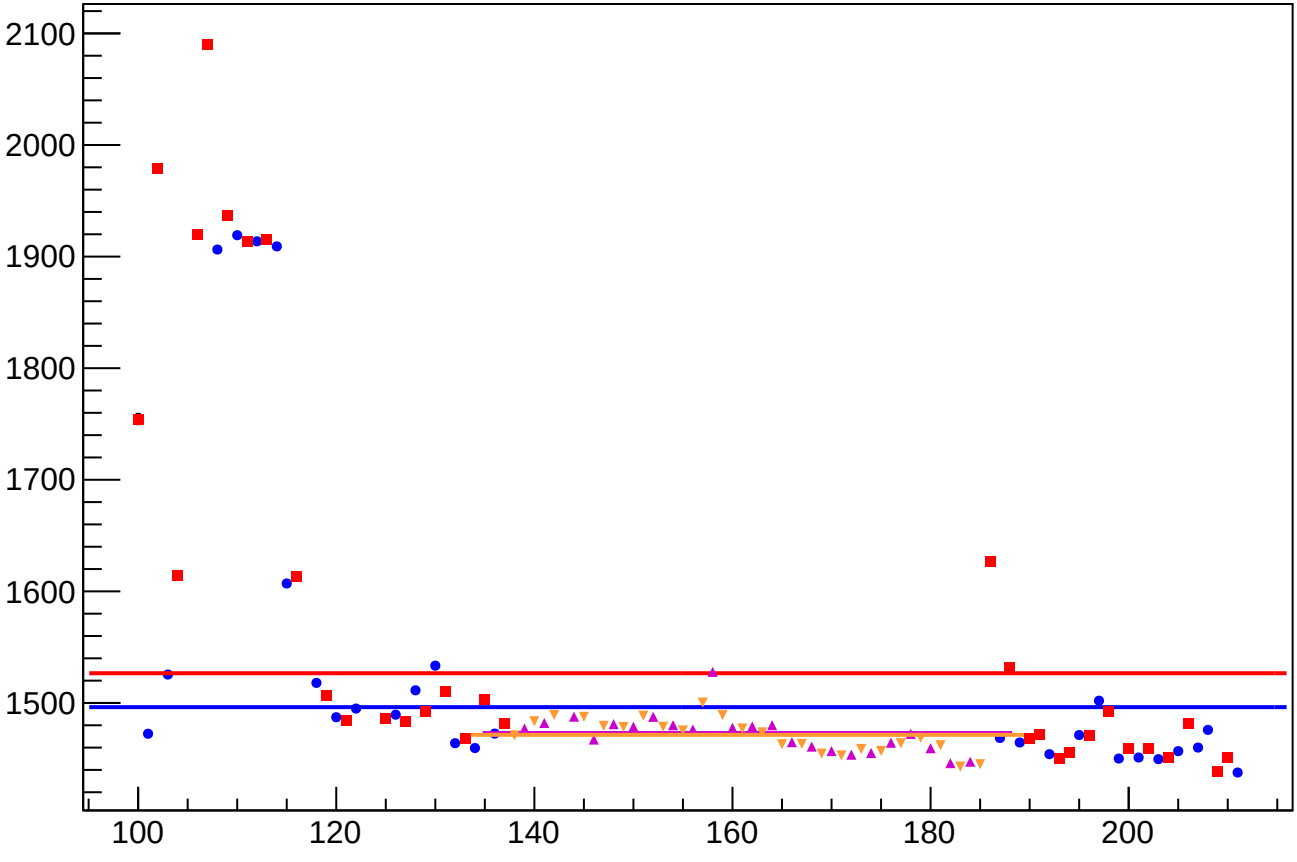
Right: 1820.140+/-257.901 χ^2/NDF: 47.0/59

In: 1913.893+/-251.172 χ^2/NDF:46.4/50

Out: 1486.003+/-248.393 χ^2/NDF:45.3/55

All: 1697.567+/-176.615 χ^2/NDF: 93.2/106

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1496.251+/-0.260 χ^2/NDF: 149361.4/27

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1526.643+/-0.256 χ^2/NDF: 304379.5/31

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

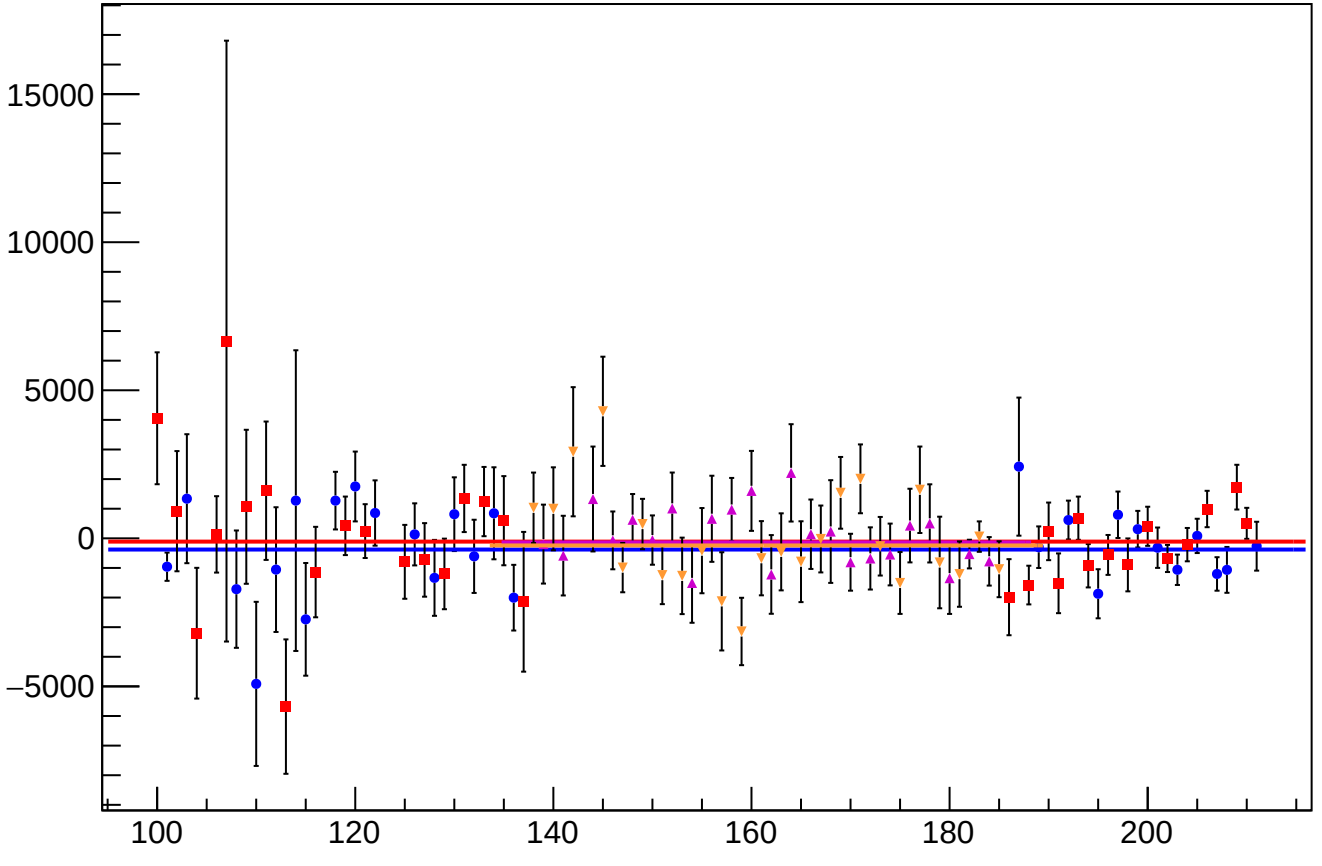
Right: 1511.688+/-0.182 χ^2/NDF: 460682.9/59

In: 1483.878+/-0.178 χ^2/NDF:158360.2/50

Out: 1497.448+/-0.176 χ^2/NDF:332432.6/55

All: 1490.738+/-0.125 χ^2/NDF: 493744.3/106

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -378.430+/-163.048 χ^2/NDF: 34.7/27

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -110.682+/-160.097 χ^2/NDF: 44.8/31

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

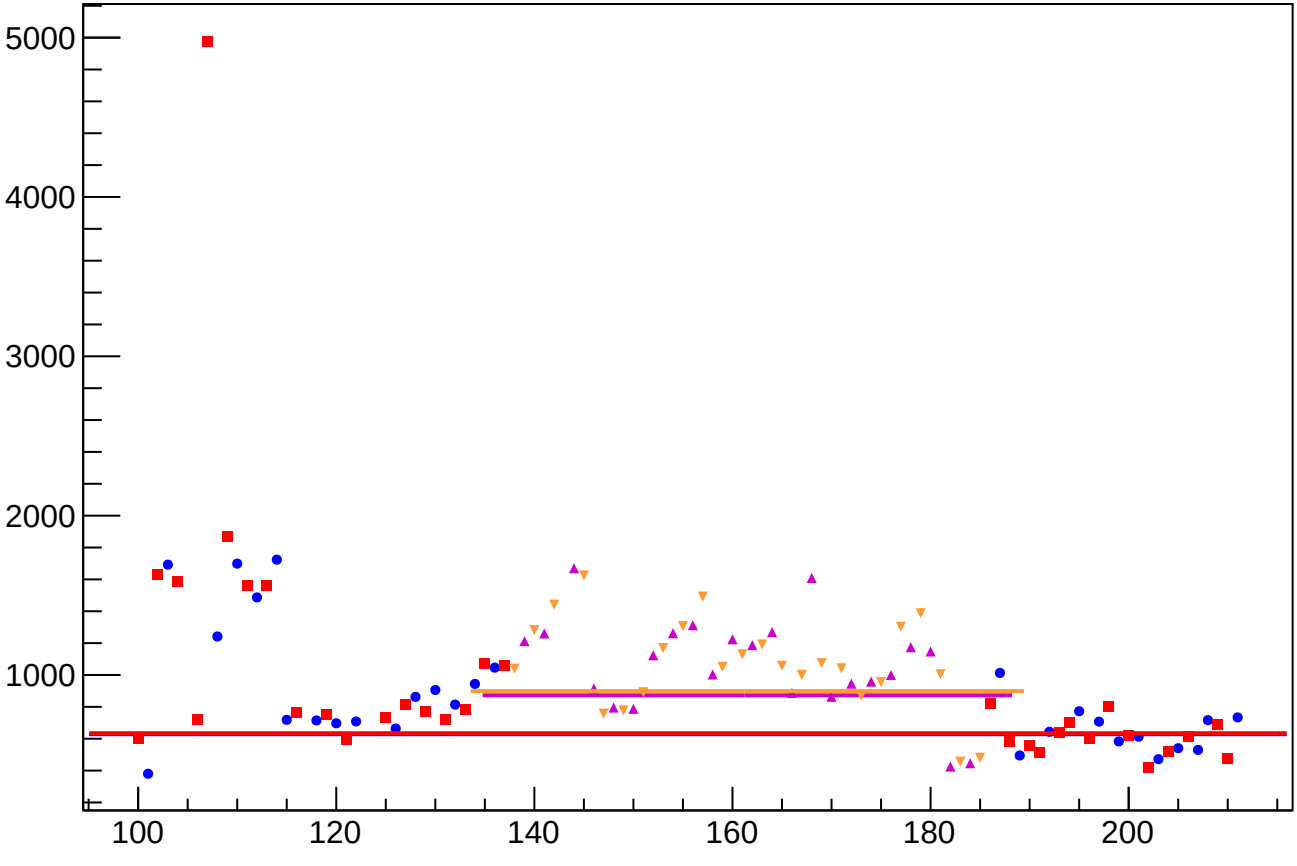
Right: -242.111+/-114.235 χ^2/NDF: 80.9/59

In: -292.574+/-130.671 χ^2/NDF:48.5/50

Out: -155.074+/-129.810 χ^2/NDF:77.5/55

All: -223.370+/-92.092 χ^2/NDF: 126.5/106

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 628.360+/-0.115 χ^2/NDF: 3124432.0/27

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 634.590+/-0.113 χ^2/NDF: 3665307.6/31

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

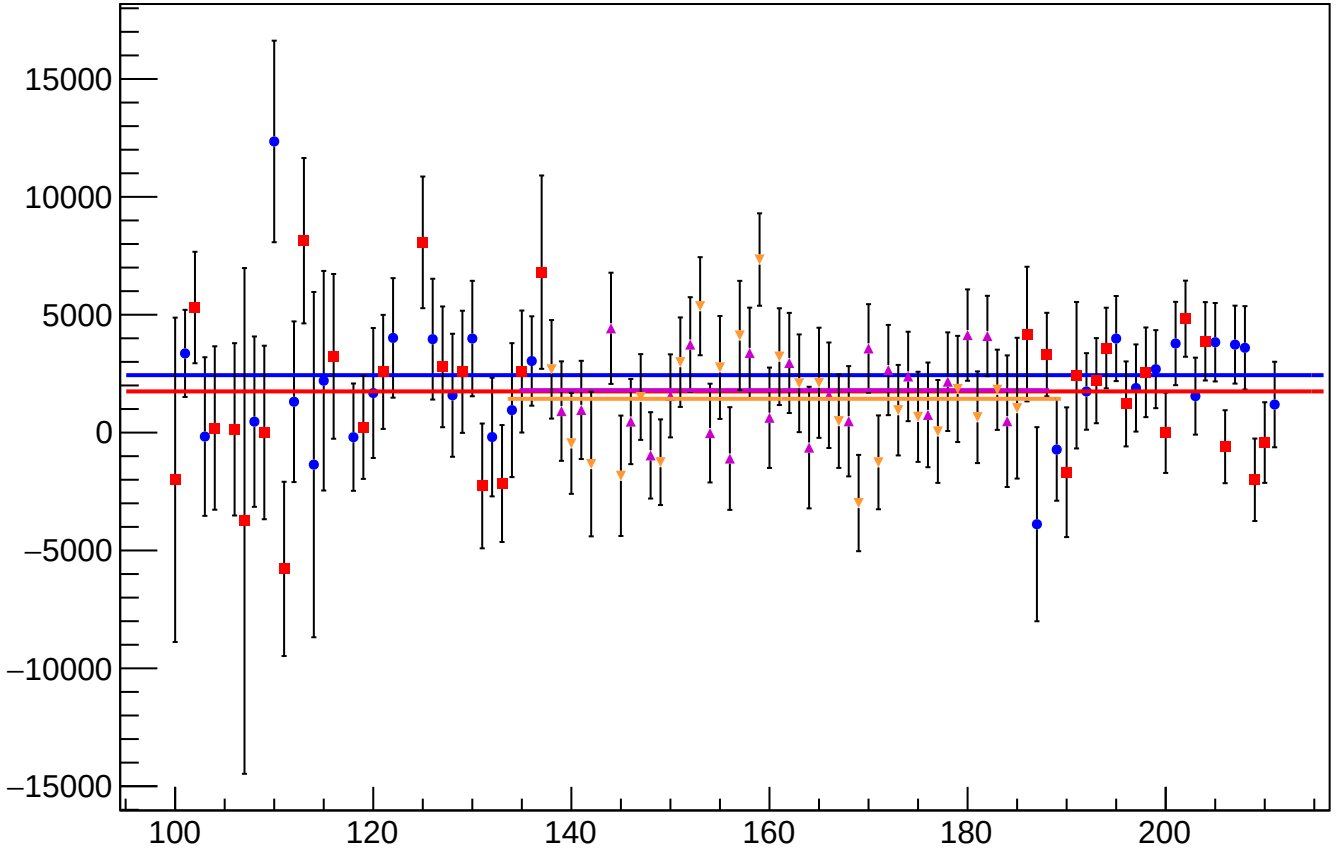
Right: 631.532+/-0.081 χ^2/NDF: 6791226.1/59

In: 715.684+/-0.092 χ^2/NDF:9163648.3/50

Out: 725.116+/-0.092 χ^2/NDF:9323524.7/55

All: 720.431+/-0.065 χ^2/NDF: 18492418.1/10

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2436.752+/-414.091 χ^2/NDF: 19.6/27

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 1747.411+/-405.271 χ^2/NDF: 42.9/31

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

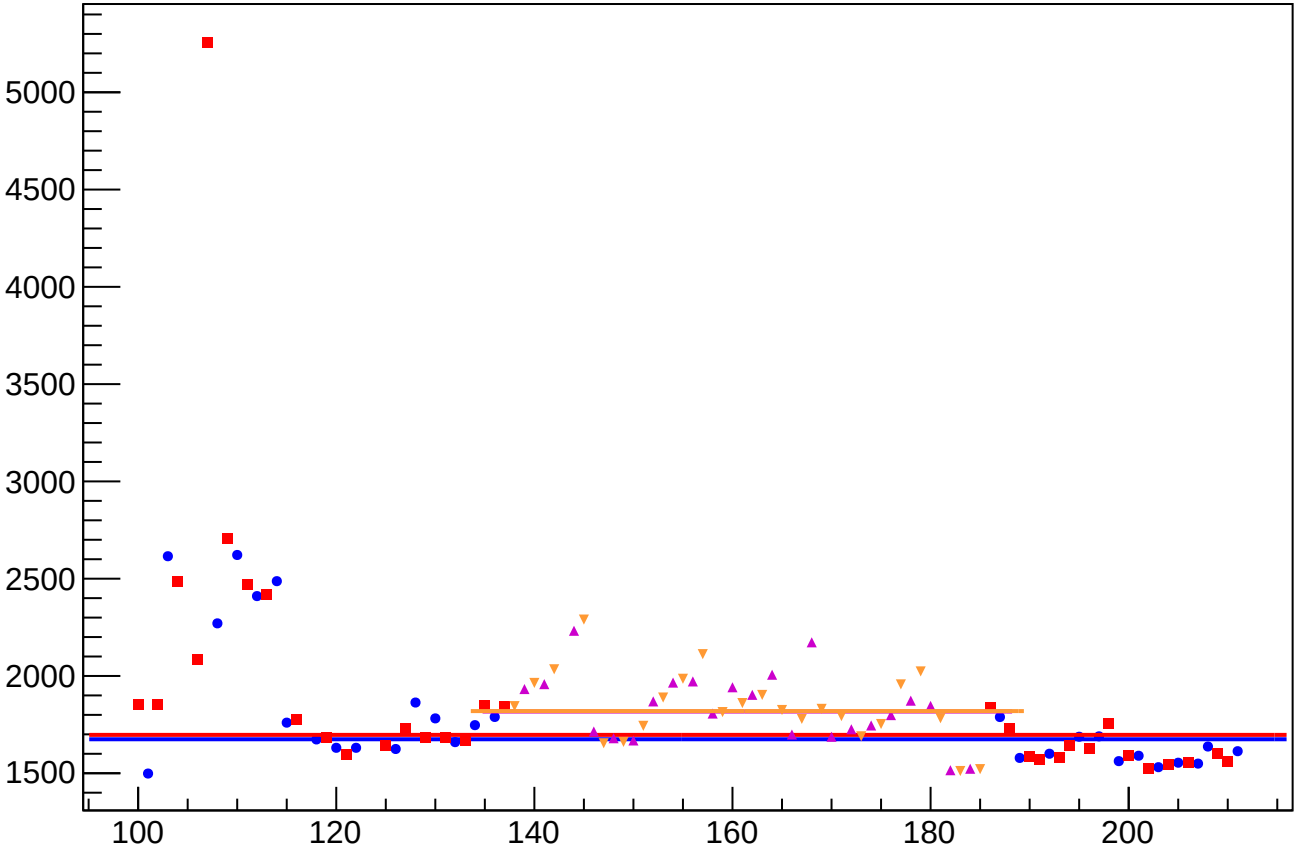
Right: 2084.661+/-289.638 χ^2/NDF: 64.0/59

In: 2128.509+/-297.091 χ^2/NDF:36.1/50

Out: 1597.624+/-293.121 χ^2/NDF:72.6/55

All: 1859.496+/-208.657 χ^2/NDF: 110.3/106

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1674.625+/-0.293 χ^2/NDF: 534822.4/27

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1697.183+/-0.287 χ^2/NDF: 803716.4/31

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

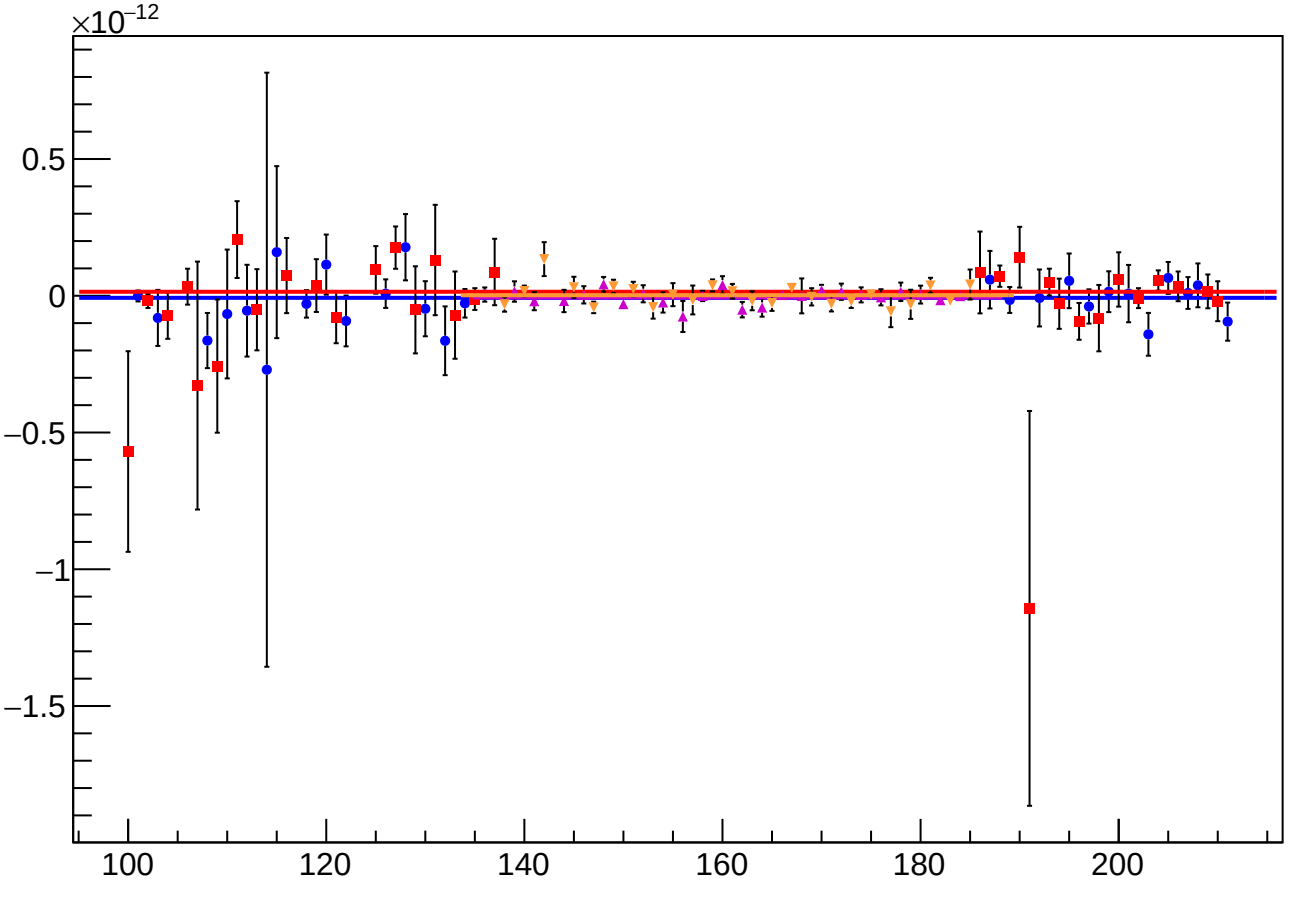
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1686.147+/-0.205 χ^2/NDF: 1341570.3/59

In: 1743.783+/-0.210 χ^2/NDF:956884.2/50

Out: 1755.474+/-0.207 χ^2/NDF:1185494.2/55

All: 1749.707+/-0.148 χ^2/NDF: 2143947.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/31

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

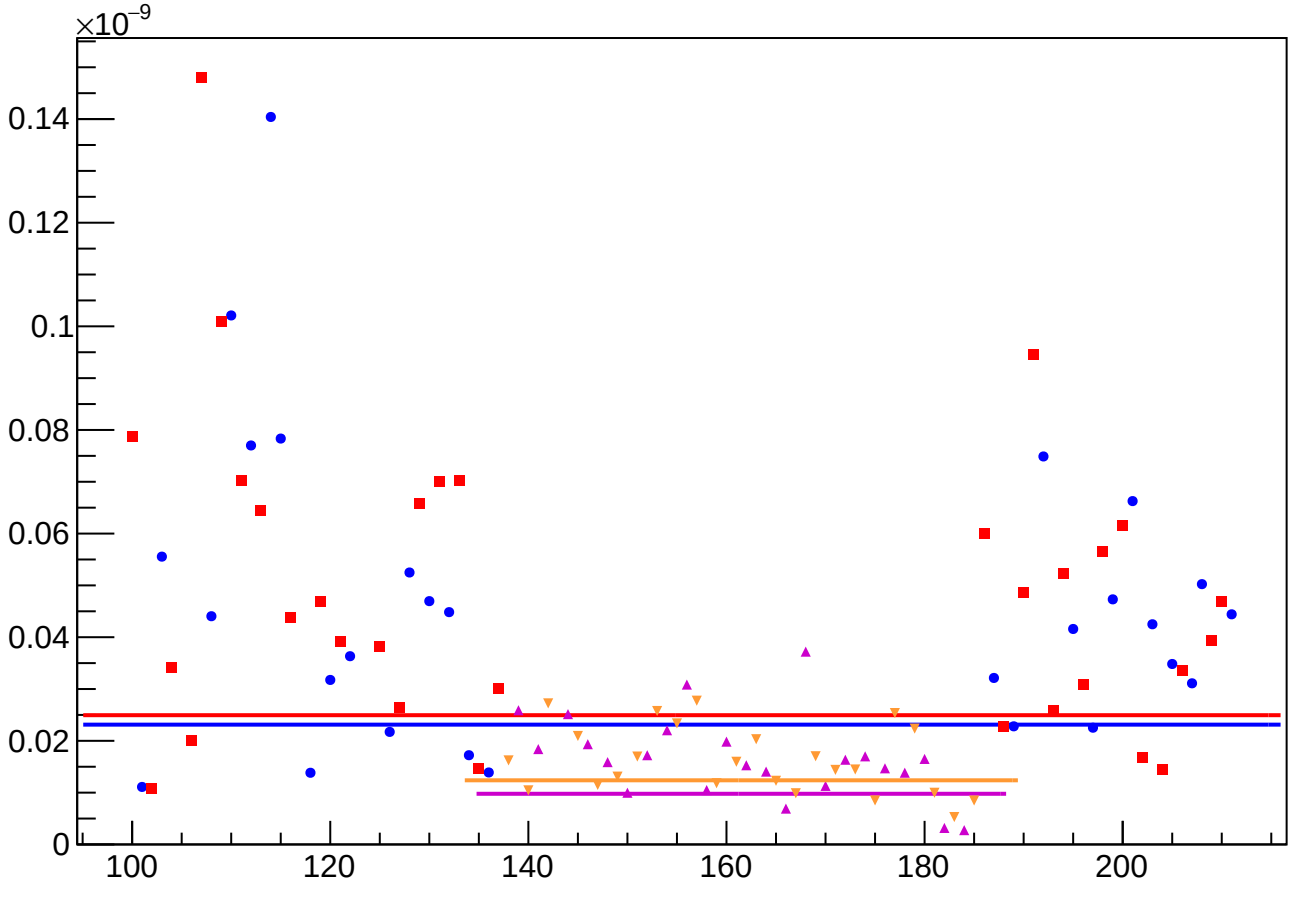
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 49.5/59

In: -0.000+/-0.000 χ^2/NDF:35.8/50

Out: 0.000+/-0.000 χ^2/NDF:60.0/55

All: -0.000+/-0.000 χ^2/NDF: 98.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 3997557.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3584835.4/31

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

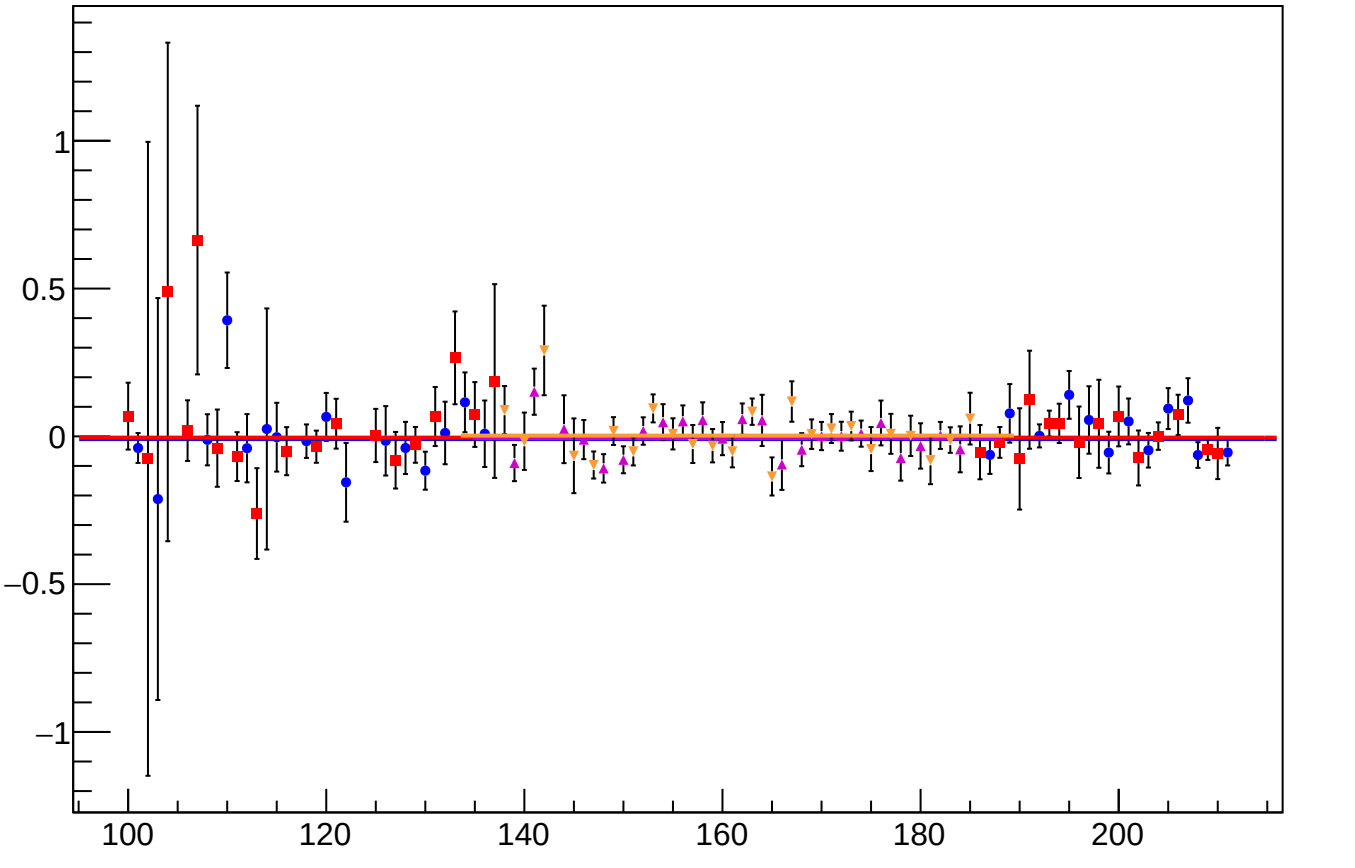
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7608235.9/59

In: 0.000+/-0.000 χ^2/NDF:10971378.7/50

Out: 0.000+/-0.000 χ^2/NDF:7416894.6/55

All: 0.000+/-0.000 χ^2/NDF: 18756071.0/106



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

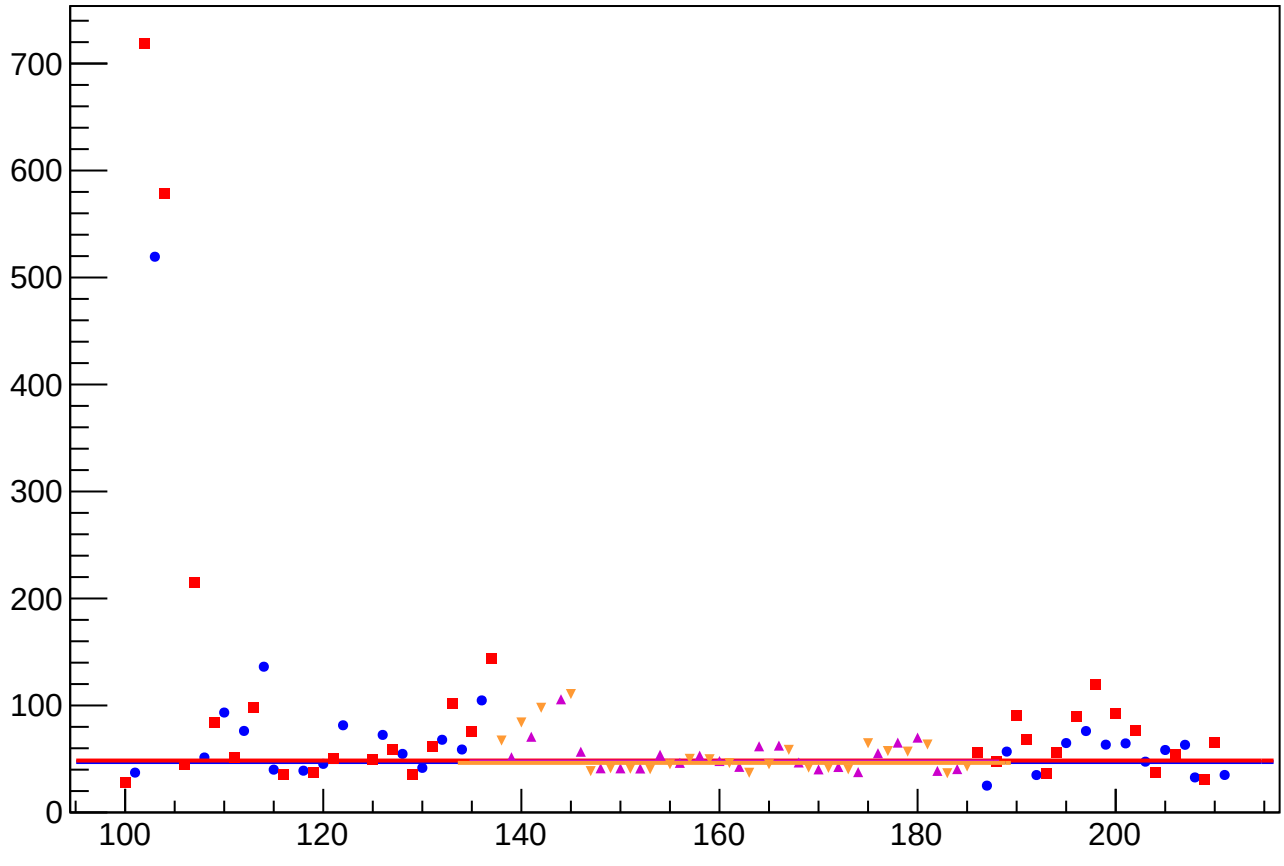
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.007+/-0.010 χ^2/NDF: 47.2/59

In: -0.007+/-0.009 χ^2/NDF:49.5/50

Out: -0.000+/-0.009 χ^2/NDF:49.4/55

All: -0.004+/-0.006 χ^2/NDF: 99.2/106



Right In: 47.123+/-0.010 χ^2/NDF: 3765379.2/27

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 48.525+/-0.010 χ^2/NDF: 5353549.6/31

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

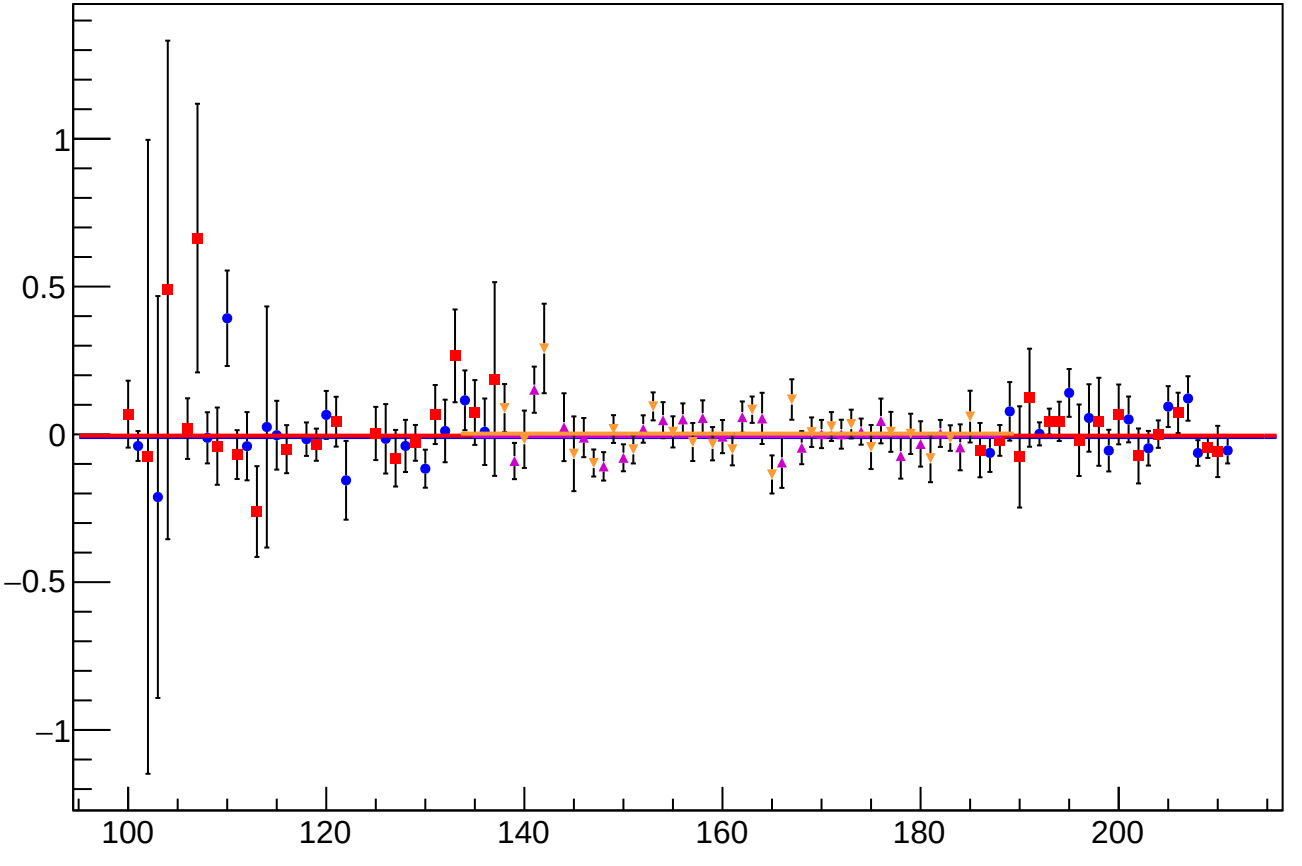
Right: 47.804+/-0.007 χ^2/NDF: 9129010.4/59

In: 47.377+/-0.006 χ^2/NDF:5342789.7/50

Out: 47.252+/-0.006 χ^2/NDF:7348883.9/55

All: 47.315+/-0.005 χ^2/NDF: 12691862.8/106

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

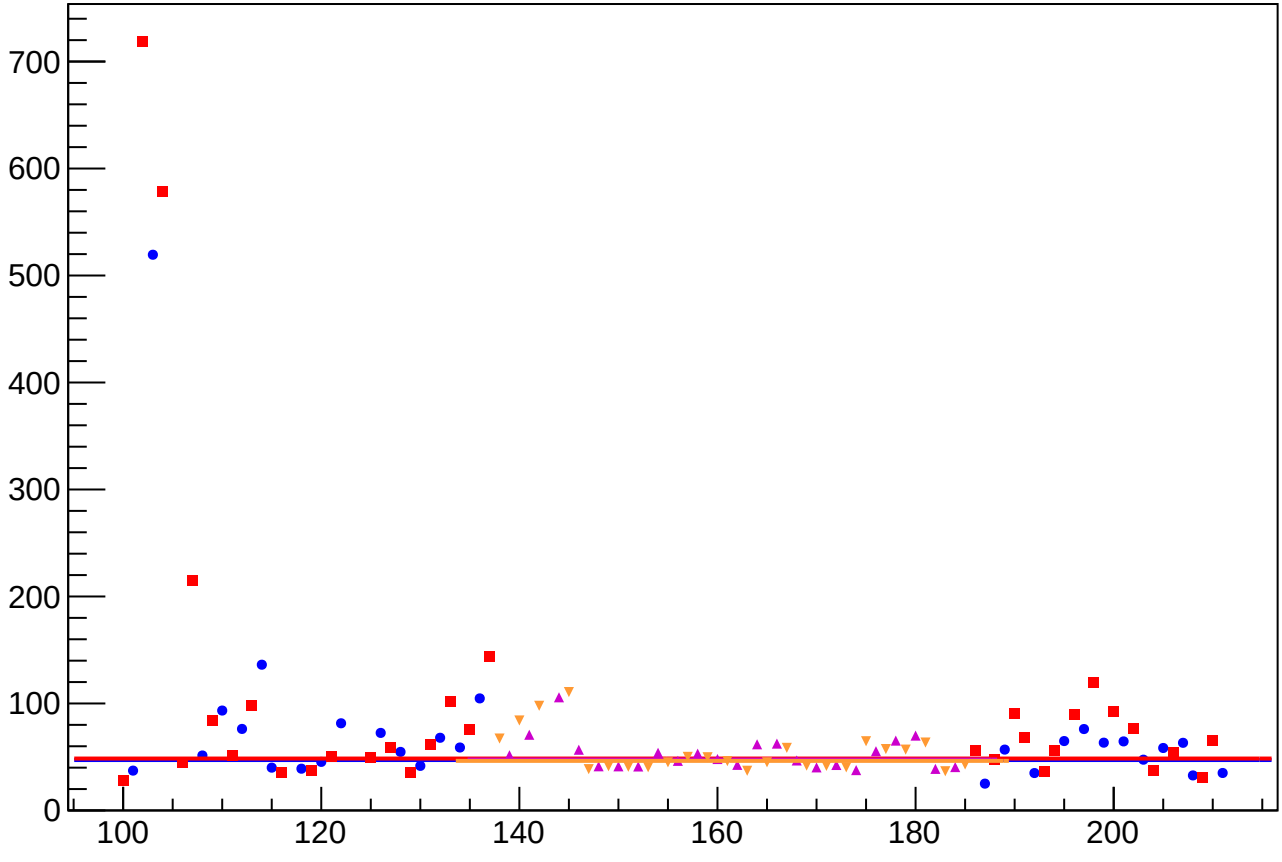
Right: -0.007+/-0.010 χ^2/NDF: 47.2/59

In: -0.007+/-0.009 χ^2/NDF:49.5/50

Out: -0.000+/-0.009 χ^2/NDF:49.4/55

All: -0.004+/-0.006 χ^2/NDF: 99.2/106

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.123+/-0.010 χ^2/NDF: 3765379.2/27

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 48.525+/-0.010 χ^2/NDF: 5353549.6/31

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

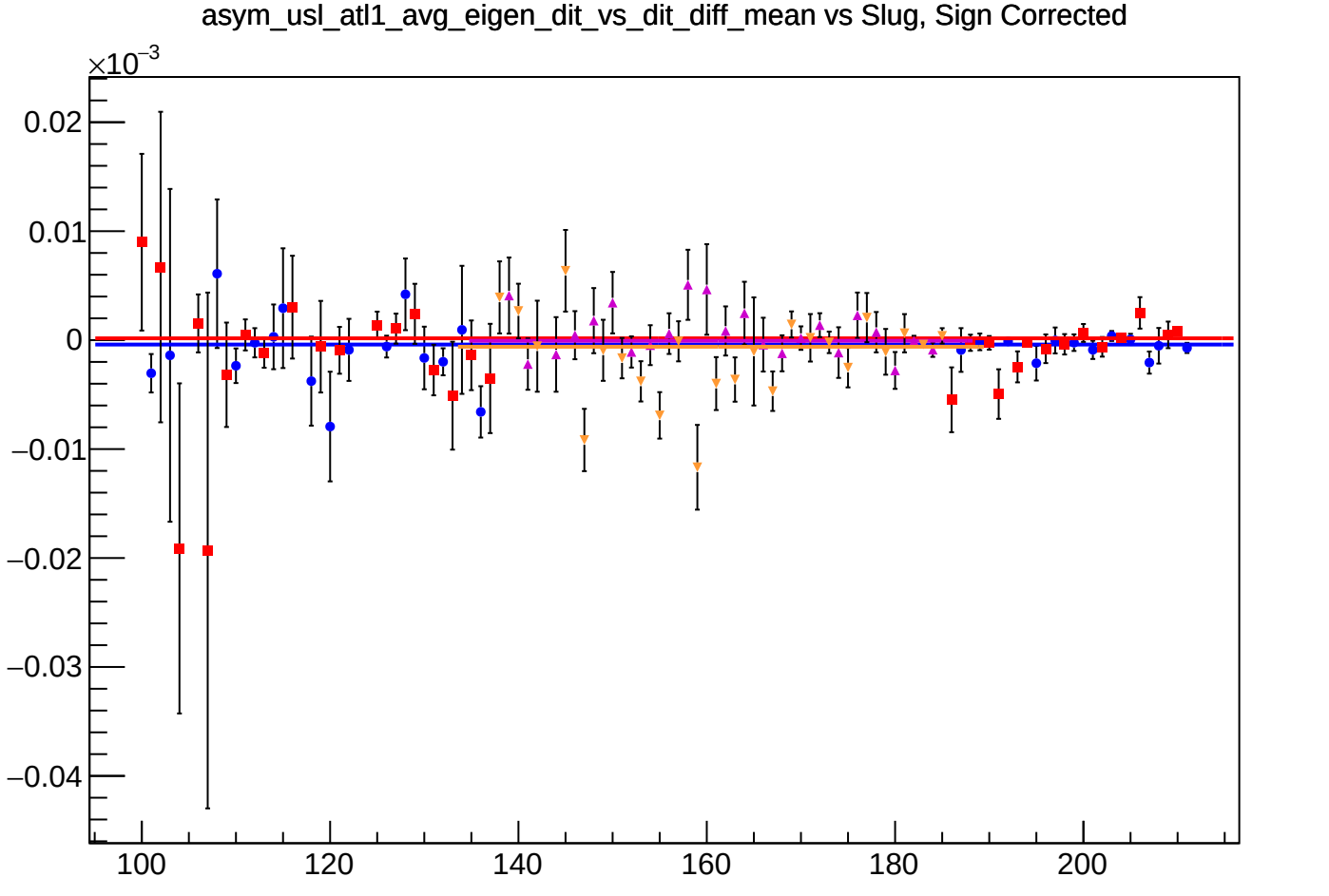
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.804+/-0.007 χ^2/NDF: 9129010.4/59

In: 47.377+/-0.006 χ^2/NDF:5342789.7/50

Out: 47.252+/-0.006 χ^2/NDF:7348883.9/55

All: 47.315+/-0.005 χ^2/NDF: 12691862.8/106



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/31

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

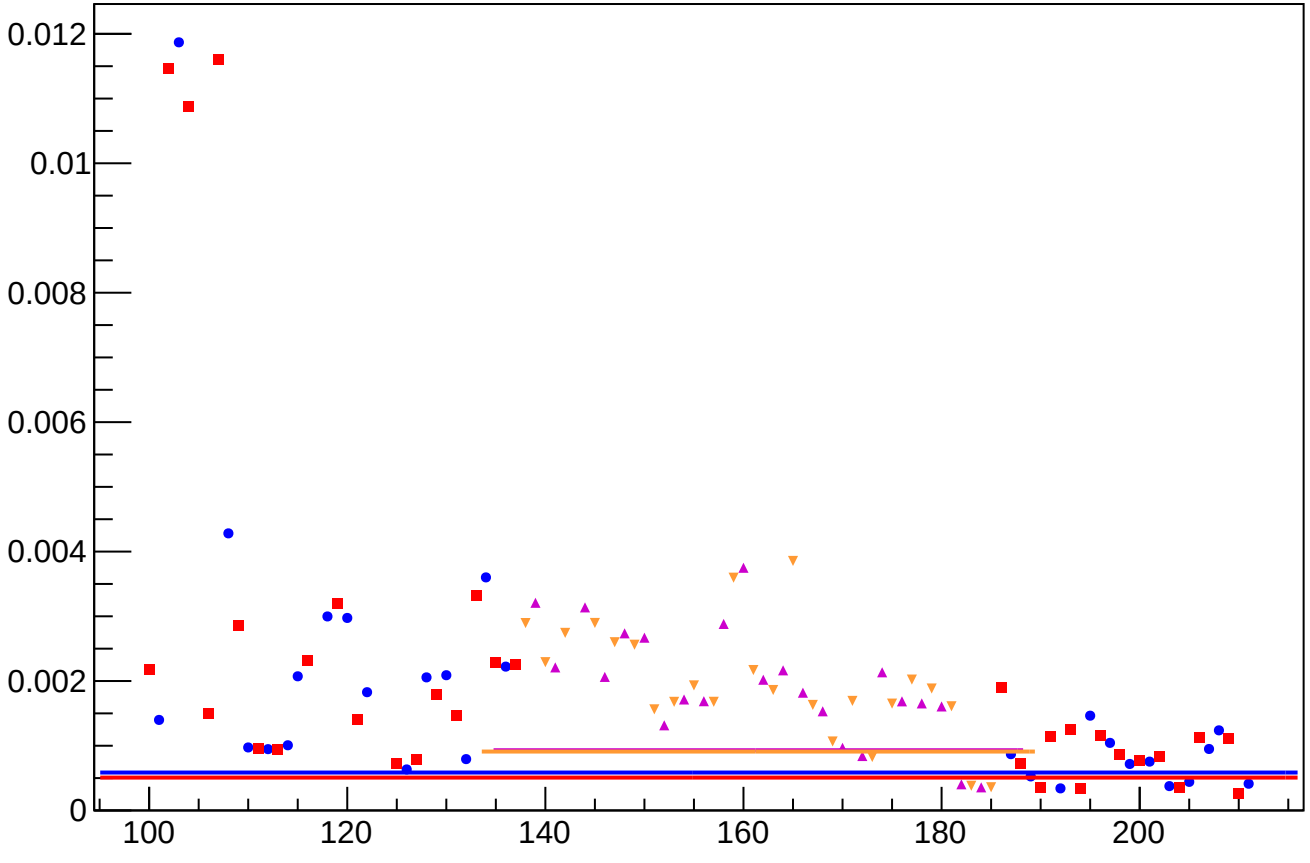
Right: -0.000+/-0.000 χ^2/NDF: 68.7/59

In: -0.000+/-0.000 χ^2/NDF:47.0/50

Out: -0.000+/-0.000 χ^2/NDF:94.9/55

All: -0.000+/-0.000 χ^2/NDF: 143.7/106

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9834347.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 13428096.5/31

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

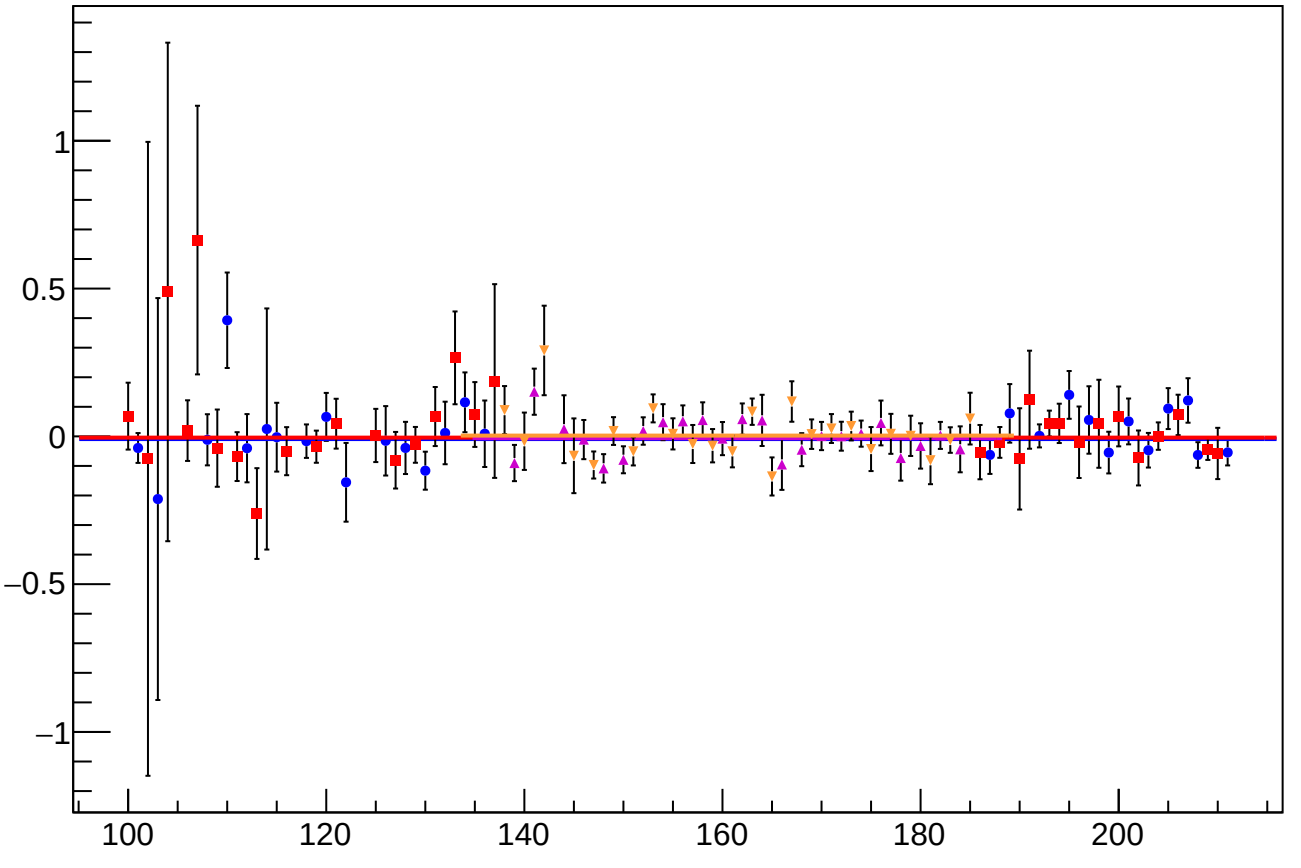
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 23470871.6/59

In: 0.001+/-0.000 χ^2/NDF:25643879.2/50

Out: 0.001+/-0.000 χ^2/NDF:30711373.7/55

All: 0.001+/-0.000 χ^2/NDF: 56644187.6/106



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

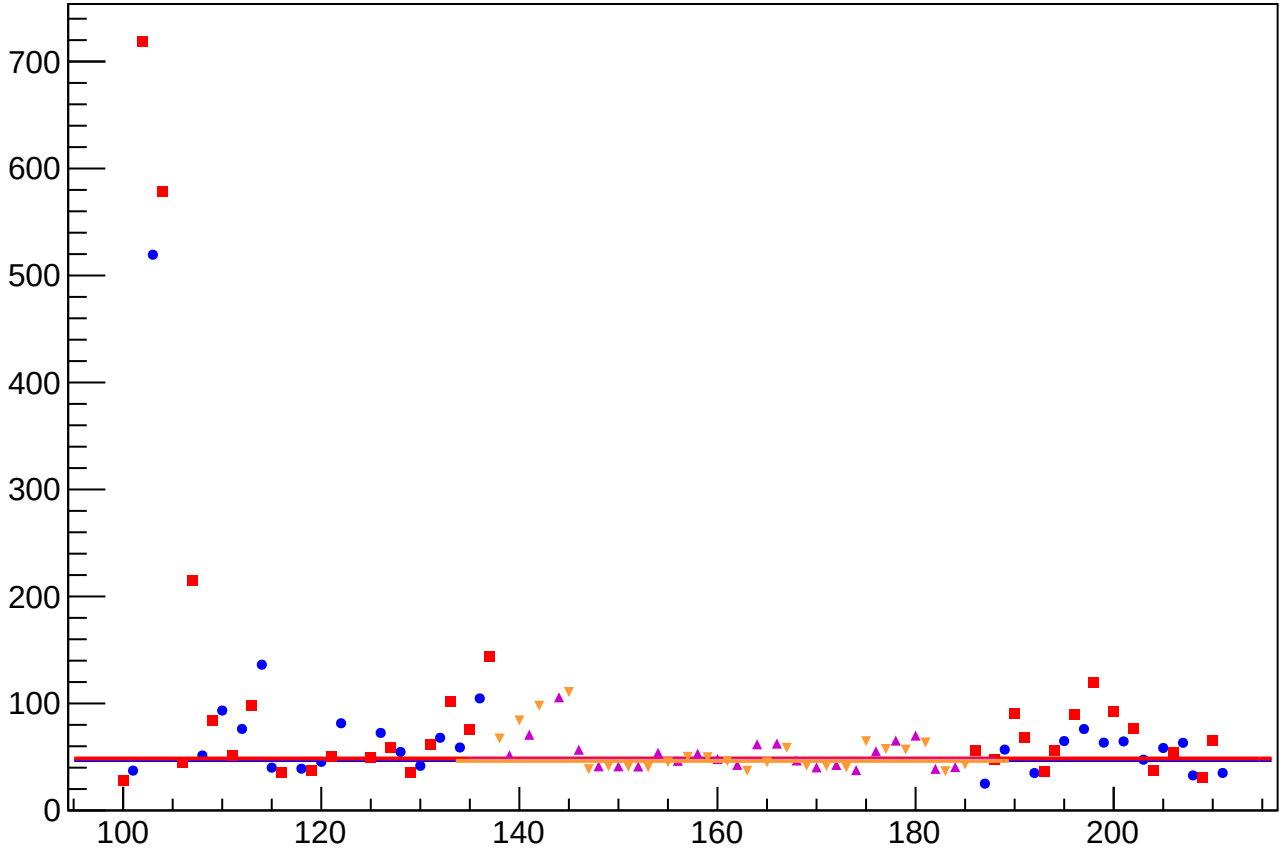
Right: -0.007+/-0.010 χ^2/NDF: 47.2/59

In: -0.007+/-0.009 χ^2/NDF:49.5/50

Out: -0.000+/-0.009 χ^2/NDF:49.4/55

All: -0.004+/-0.006 χ^2/NDF: 99.2/106

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.123+/-0.010 χ^2/NDF: 3765401.0/27

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 48.524+/-0.010 χ^2/NDF: 5353527.9/31

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

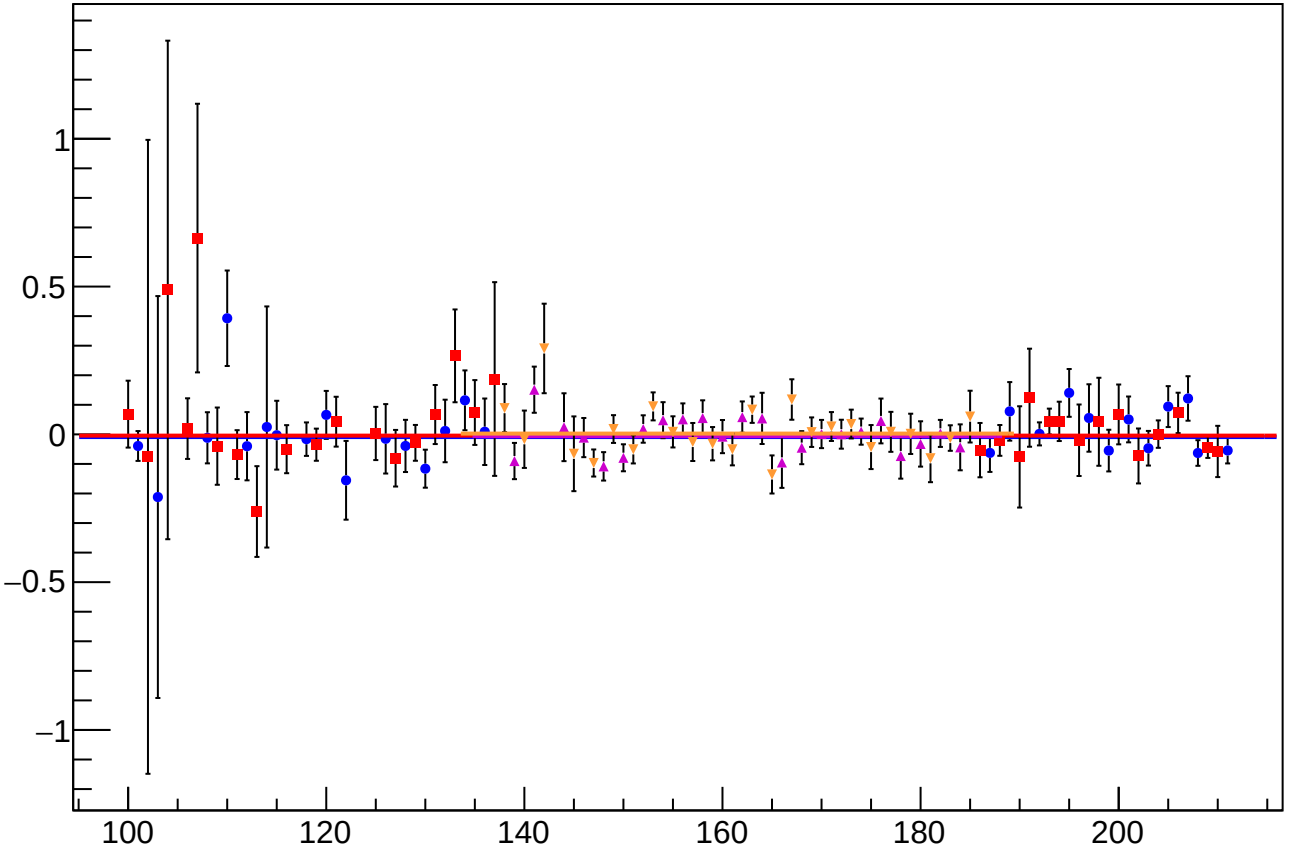
Right: 47.804+/-0.007 χ^2/NDF: 9129009.1/59

In: 47.377+/-0.006 χ^2/NDF:5342820.6/50

Out: 47.252+/-0.006 χ^2/NDF:7348841.8/55

All: 47.315+/-0.005 χ^2/NDF: 12691851.6/106

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.014 χ^2/NDF: 27.8/27

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.004+/-0.014 χ^2/NDF: 19.4/31

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

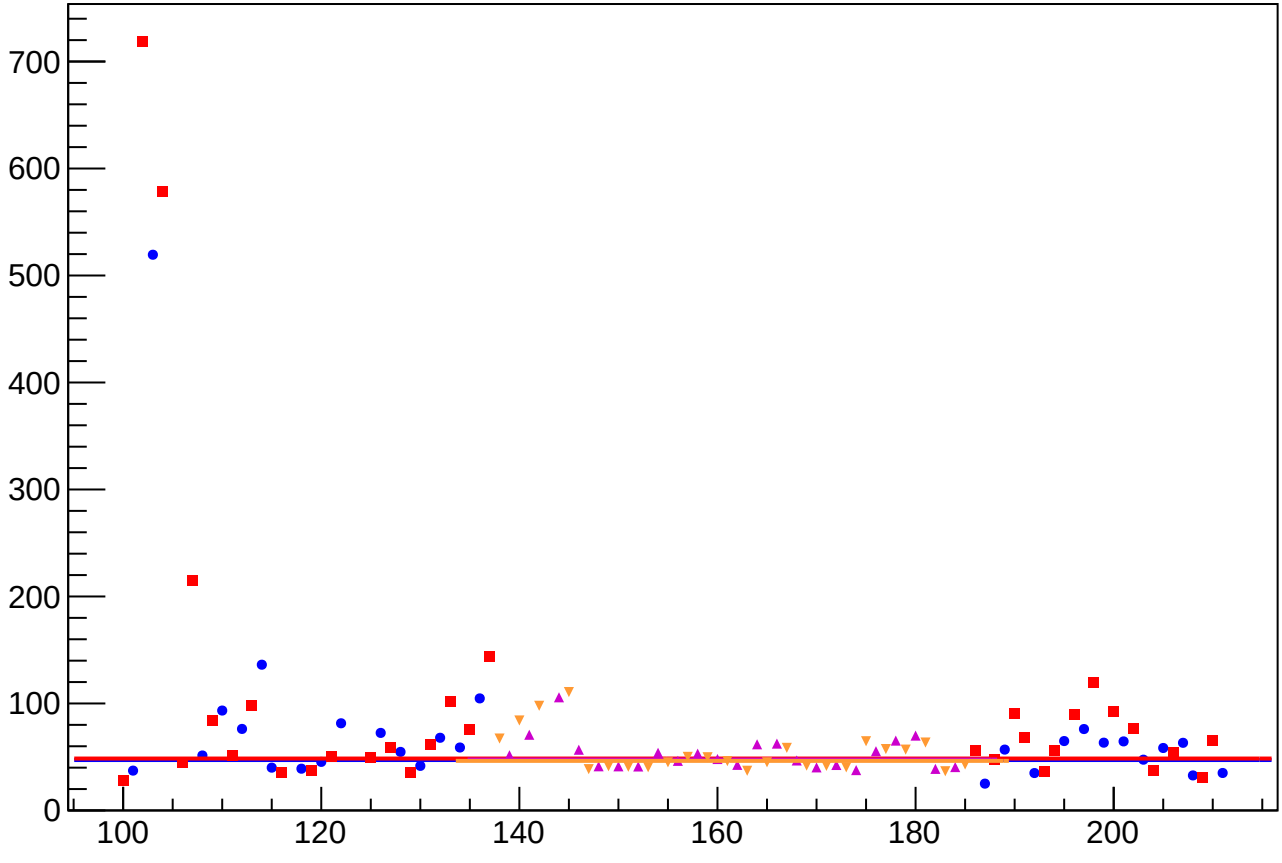
Right: -0.007+/-0.010 χ^2/NDF: 47.2/59

In: -0.007+/-0.009 χ^2/NDF:49.5/50

Out: -0.000+/-0.009 χ^2/NDF:49.4/55

All: -0.004+/-0.006 χ^2/NDF: 99.2/106

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.123+/-0.010 χ^2/NDF: 3765401.0/27

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 48.524+/-0.010 χ^2/NDF: 5353527.9/31

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

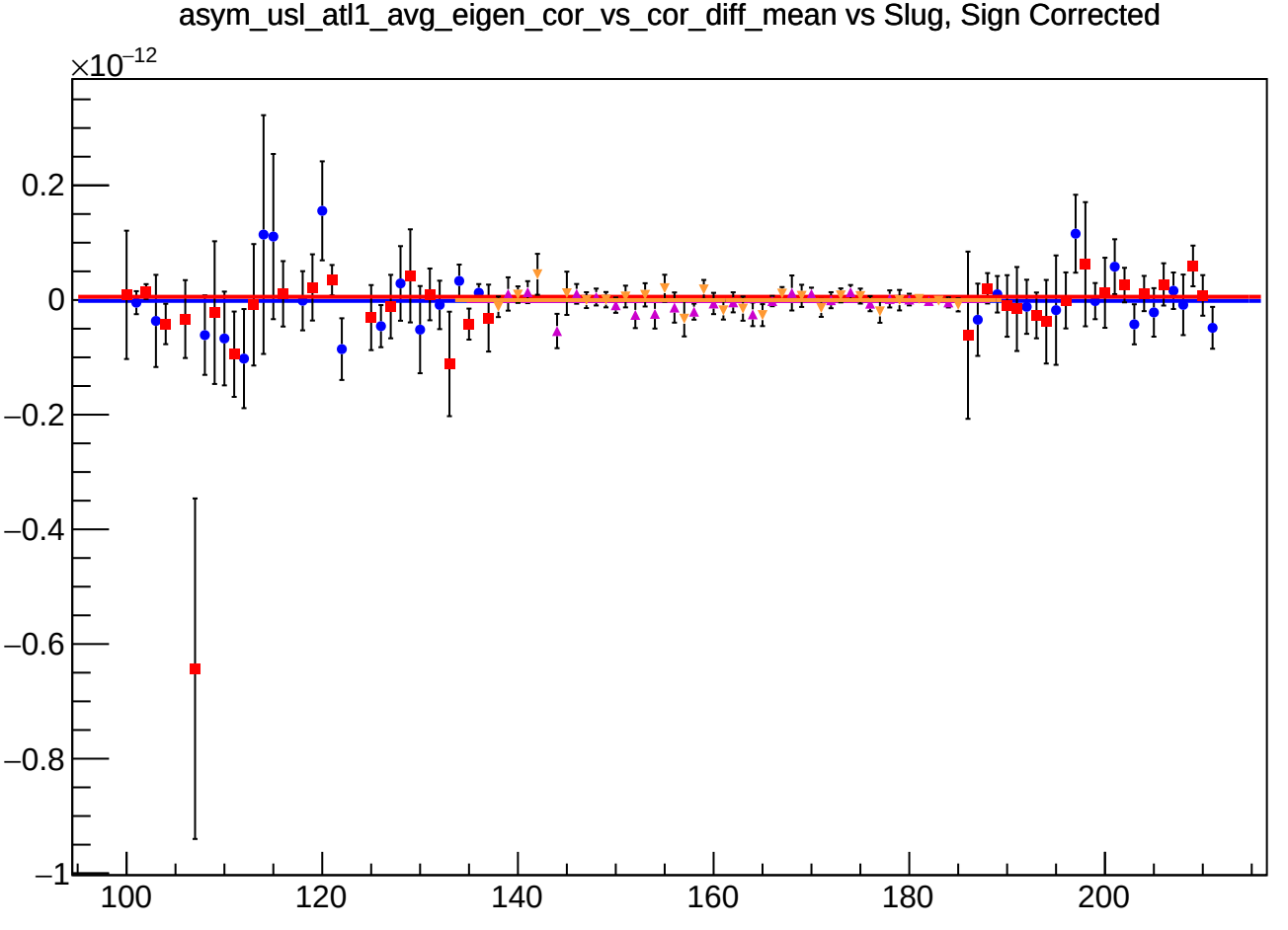
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.804+/-0.007 χ^2/NDF: 9129009.1/59

In: 47.377+/-0.006 χ^2/NDF:5342820.6/50

Out: 47.252+/-0.006 χ^2/NDF:7348841.8/55

All: 47.315+/-0.005 χ^2/NDF: 12691851.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/31

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

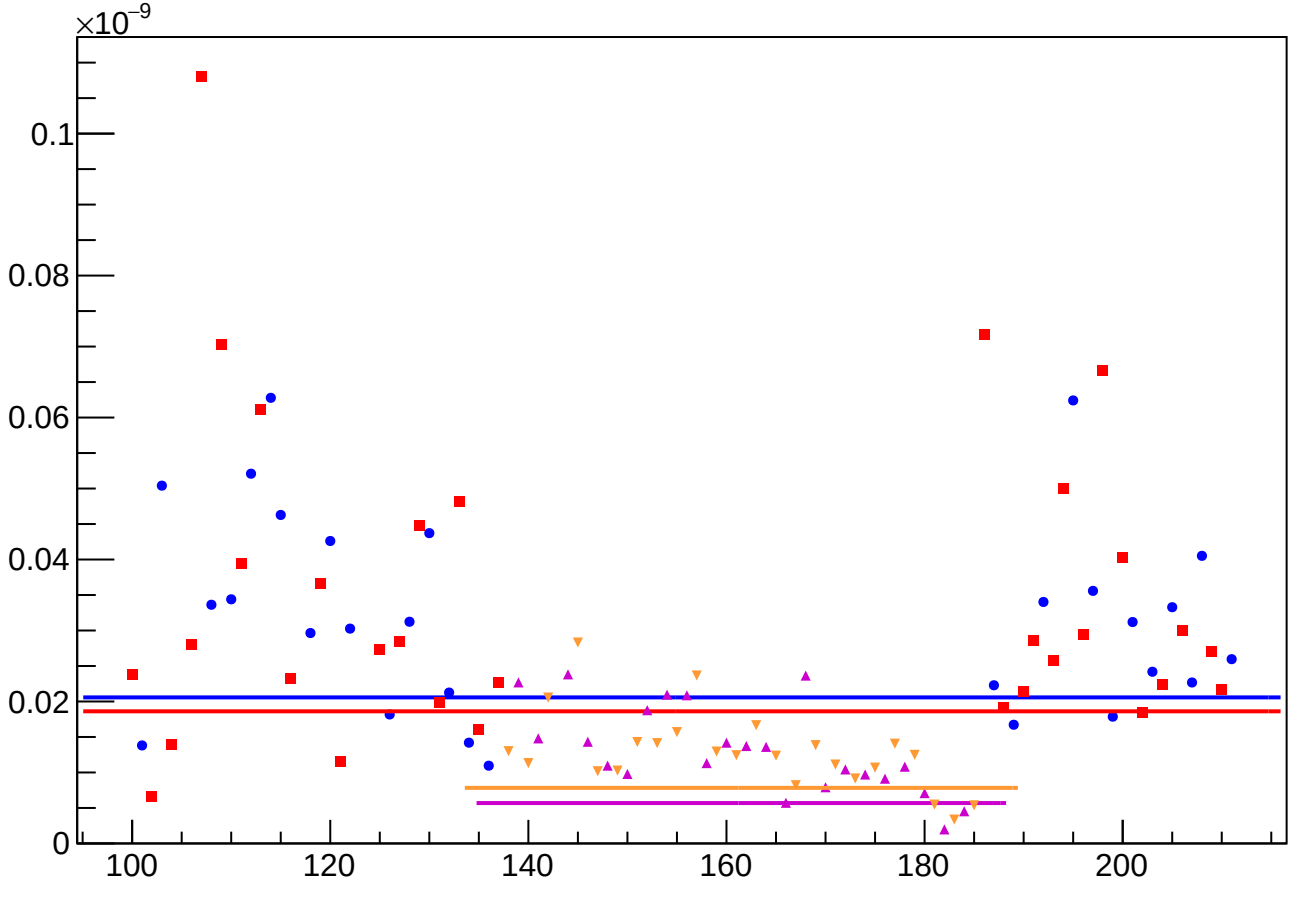
Right: 0.000+/-0.000 χ^2/NDF: 44.8/59

In: -0.000+/-0.000 χ^2/NDF:36.0/50

Out: 0.000+/-0.000 χ^2/NDF:36.1/55

All: -0.000+/-0.000 χ^2/NDF: 72.7/106

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3777122.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5528609.6/31

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

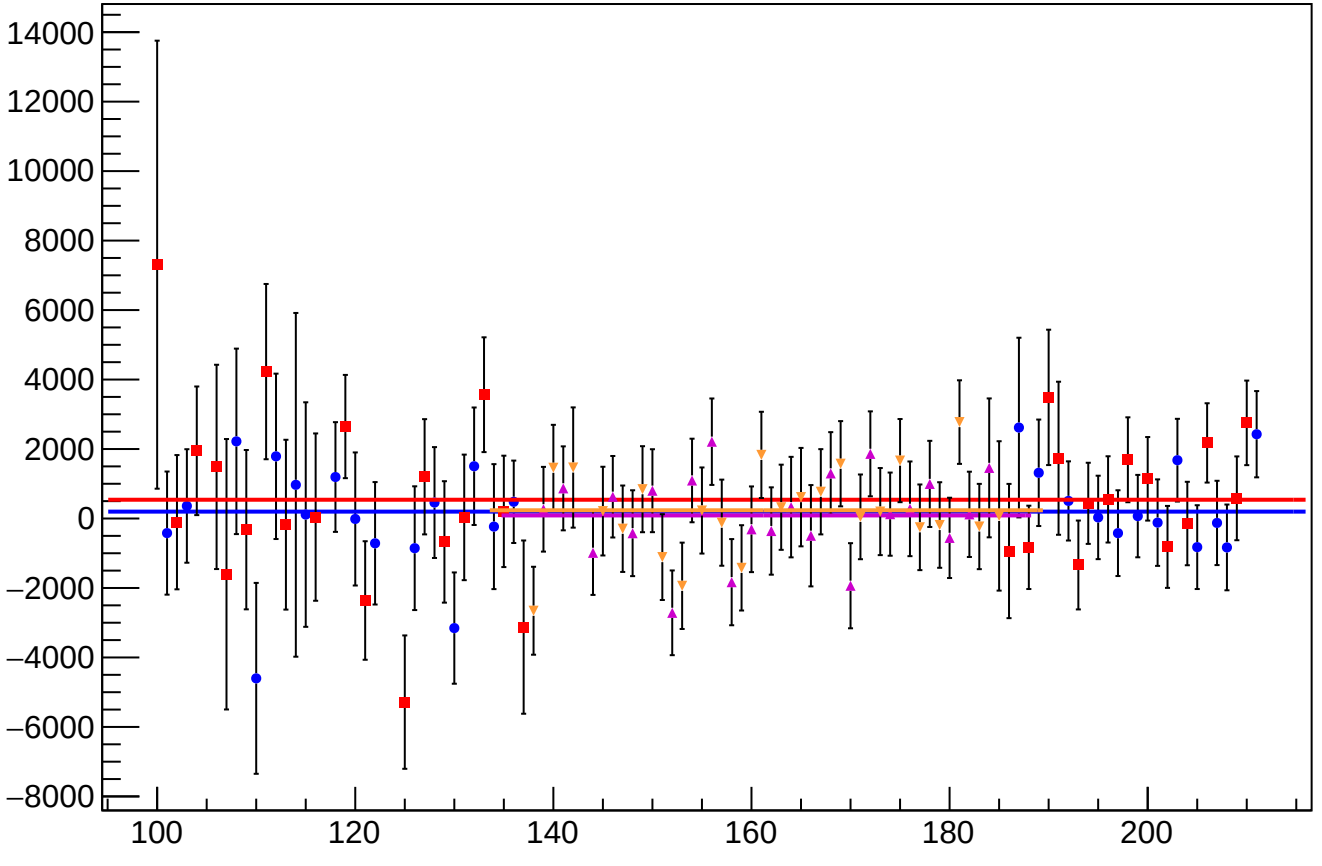
Right: 0.000+/-0.000 χ^2/NDF: 9380047.7/59

In: 0.000+/-0.000 χ^2/NDF:22451076.0/50

Out: 0.000+/-0.000 χ^2/NDF:16167170.6/55

All: 0.000+/-0.000 χ^2/NDF: 39666129.2/106

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 198.130+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 540.238+/-279.931 χ^2/NDF: 39.8/31

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

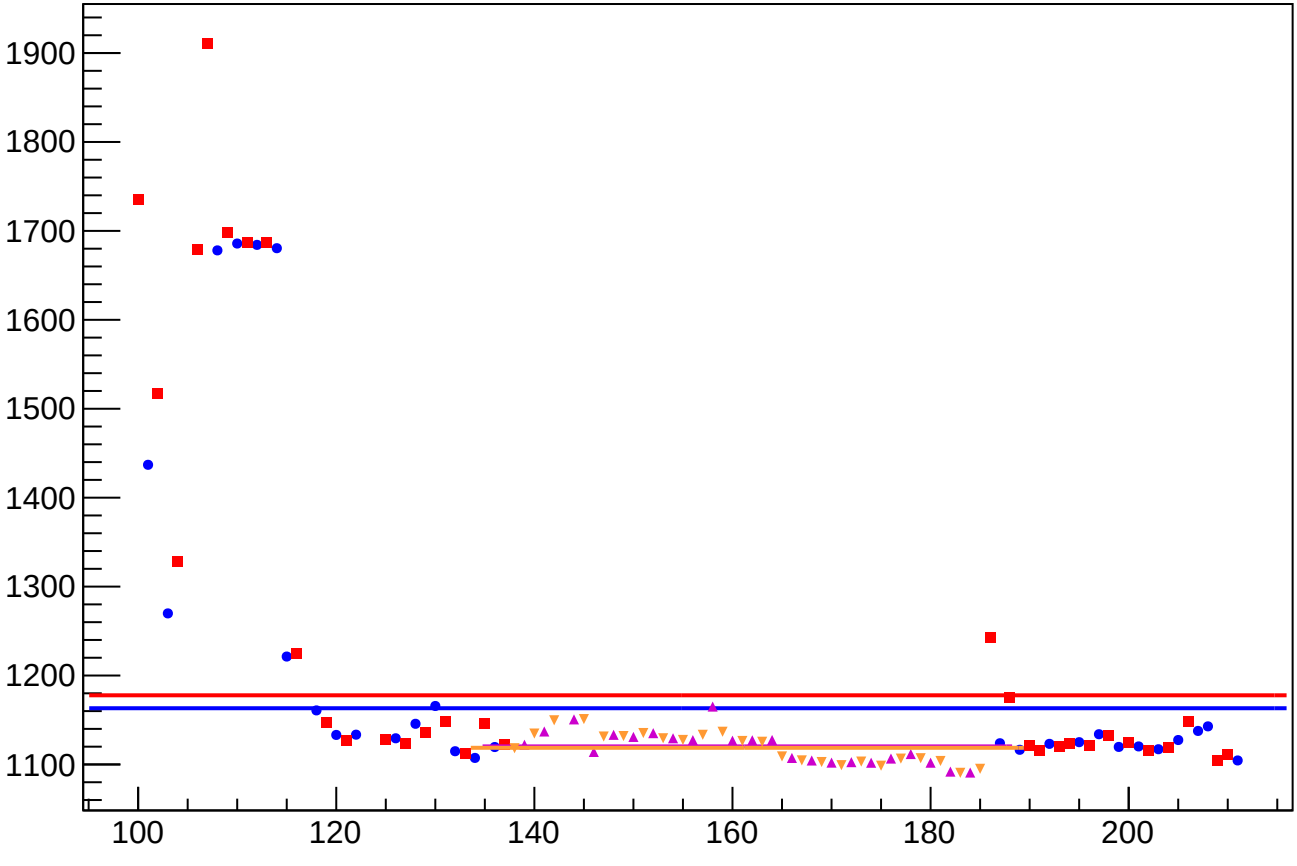
Right: 373.245+/-200.276 χ^2/NDF: 59.0/59

In: 138.250+/-193.232 χ^2/NDF:39.4/50

Out: 377.034+/-190.374 χ^2/NDF:63.1/55

All: 259.421+/-135.614 χ^2/NDF: 103.3/106

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1177.769+/-0.198 χ^2/NDF: 552937.8/31

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

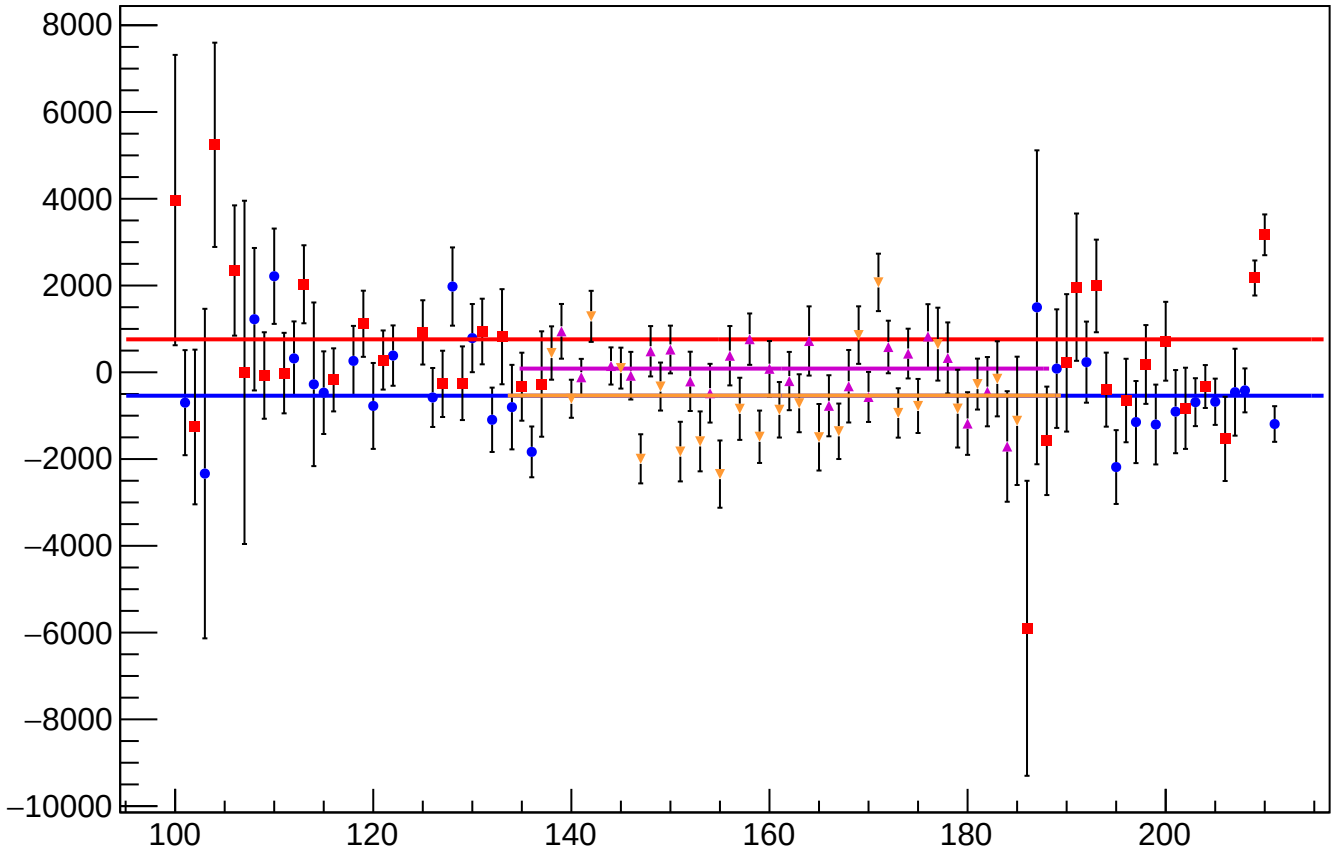
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1170.669+/-0.142 χ^2/NDF: 908896.0/59

In: 1139.809+/-0.137 χ^2/NDF:387260.0/50

Out: 1146.037+/-0.135 χ^2/NDF:608954.7/55

All: 1142.970+/-0.096 χ^2/NDF: 997269.1/106



Right In: -540.023+/-150.301 χ^2/NDF: 36.5/27

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 759.564+/-150.334 χ^2/NDF: 84.3/31

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

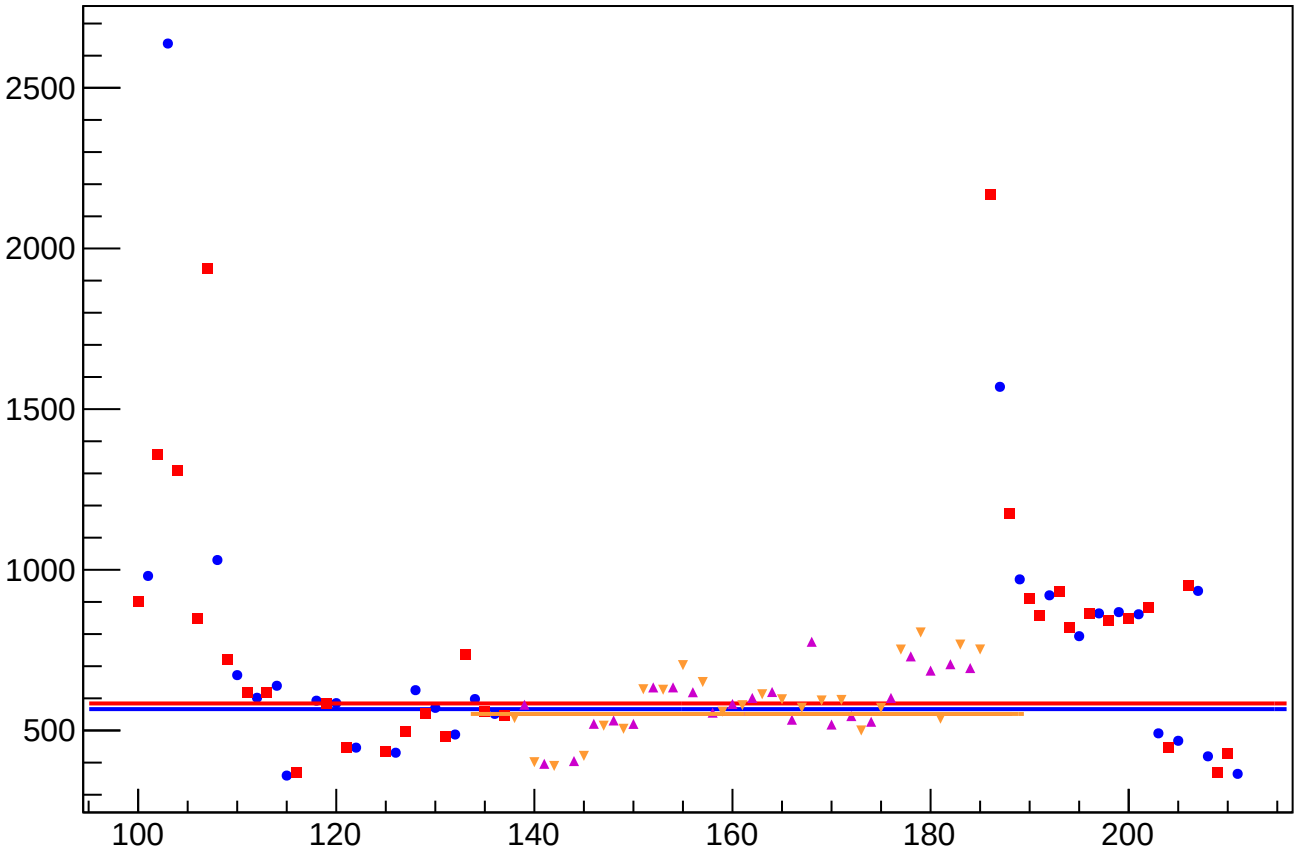
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 109.628+/-106.290 χ^2/NDF: 158.1/59

In: -184.603+/-98.740 χ^2/NDF:63.4/50

Out: 21.505+/-98.612 χ^2/NDF:188.1/55

All: -81.416+/-69.774 χ^2/NDF: 253.7/106



Right In: 566.449+/-0.106 χ^2/NDF: 3669385.7/27

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 584.061+/-0.106 χ^2/NDF: 4689362.4/31

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

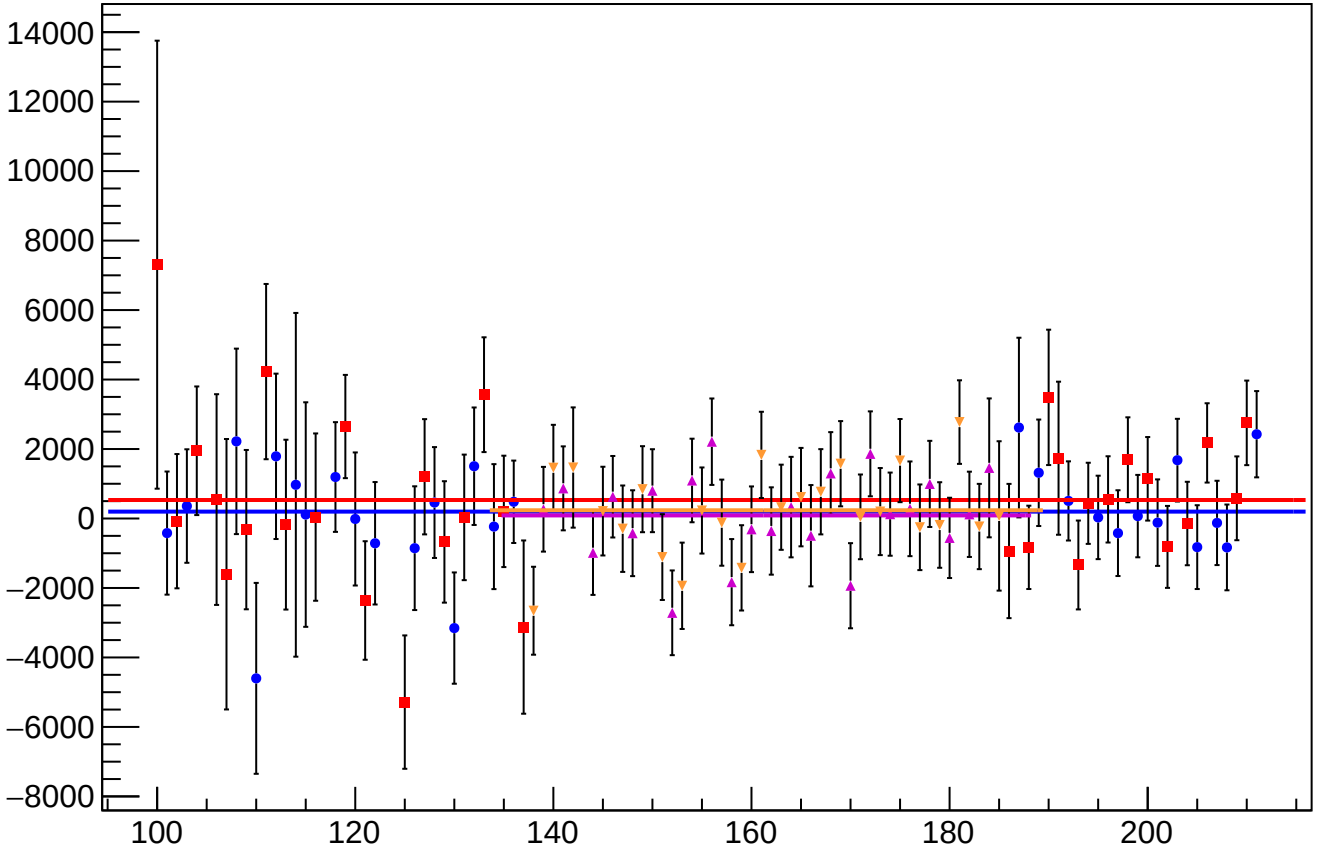
Right: 575.253+/-0.075 χ^2/NDF: 8372475.6/59

In: 557.859+/-0.070 χ^2/NDF:4742643.9/50

Out: 565.476+/-0.070 χ^2/NDF:5969629.6/55

All: 561.672+/-0.049 χ^2/NDF: 10718232.7/10

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 197.963+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 532.329+/-280.007 χ^2/NDF: 39.7/31

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

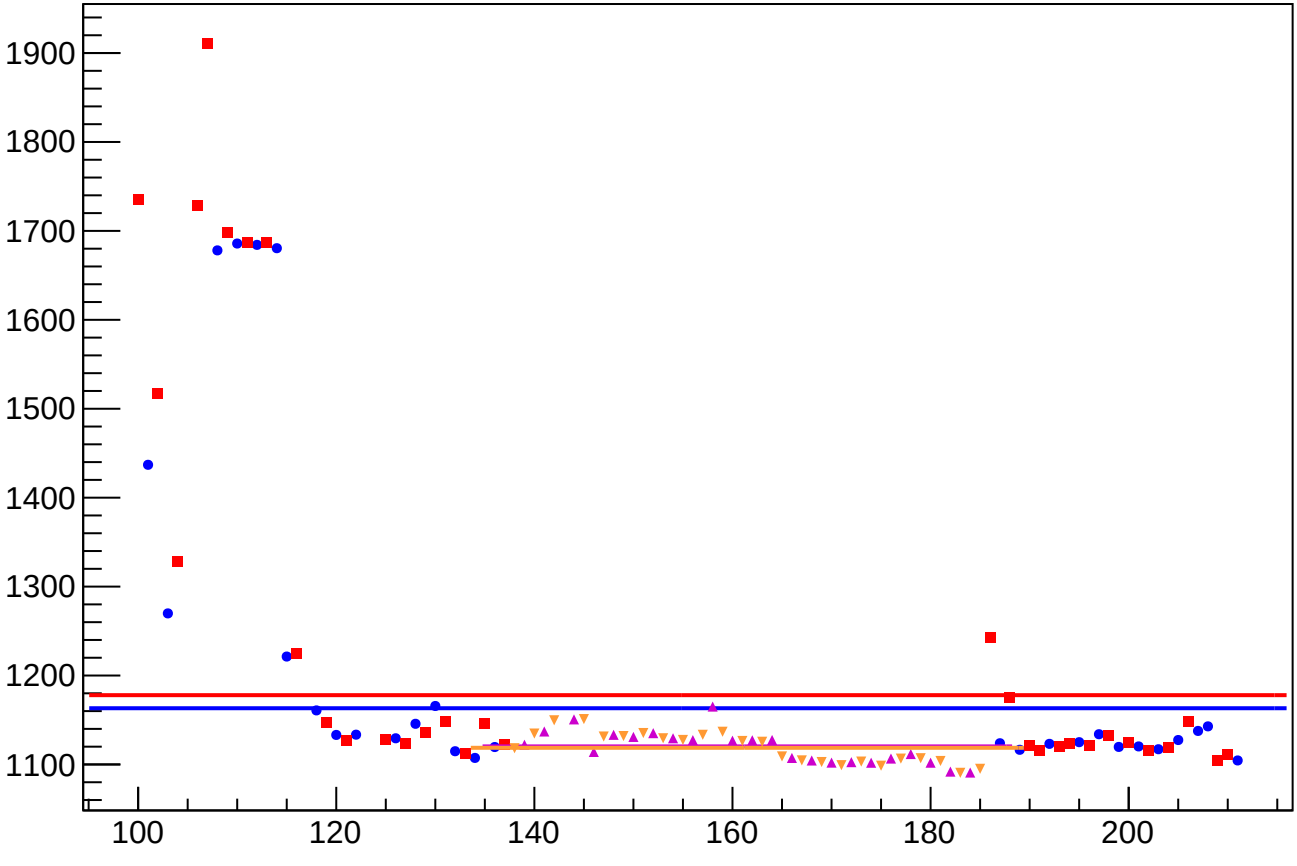
Right: 369.068+/-200.304 χ^2/NDF: 58.8/59

In: 138.169+/-193.232 χ^2/NDF:39.4/50

Out: 373.358+/-190.398 χ^2/NDF:63.0/55

All: 257.501+/-135.623 χ^2/NDF: 103.2/106

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1177.923+/-0.198 χ^2/NDF: 560885.7/31

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

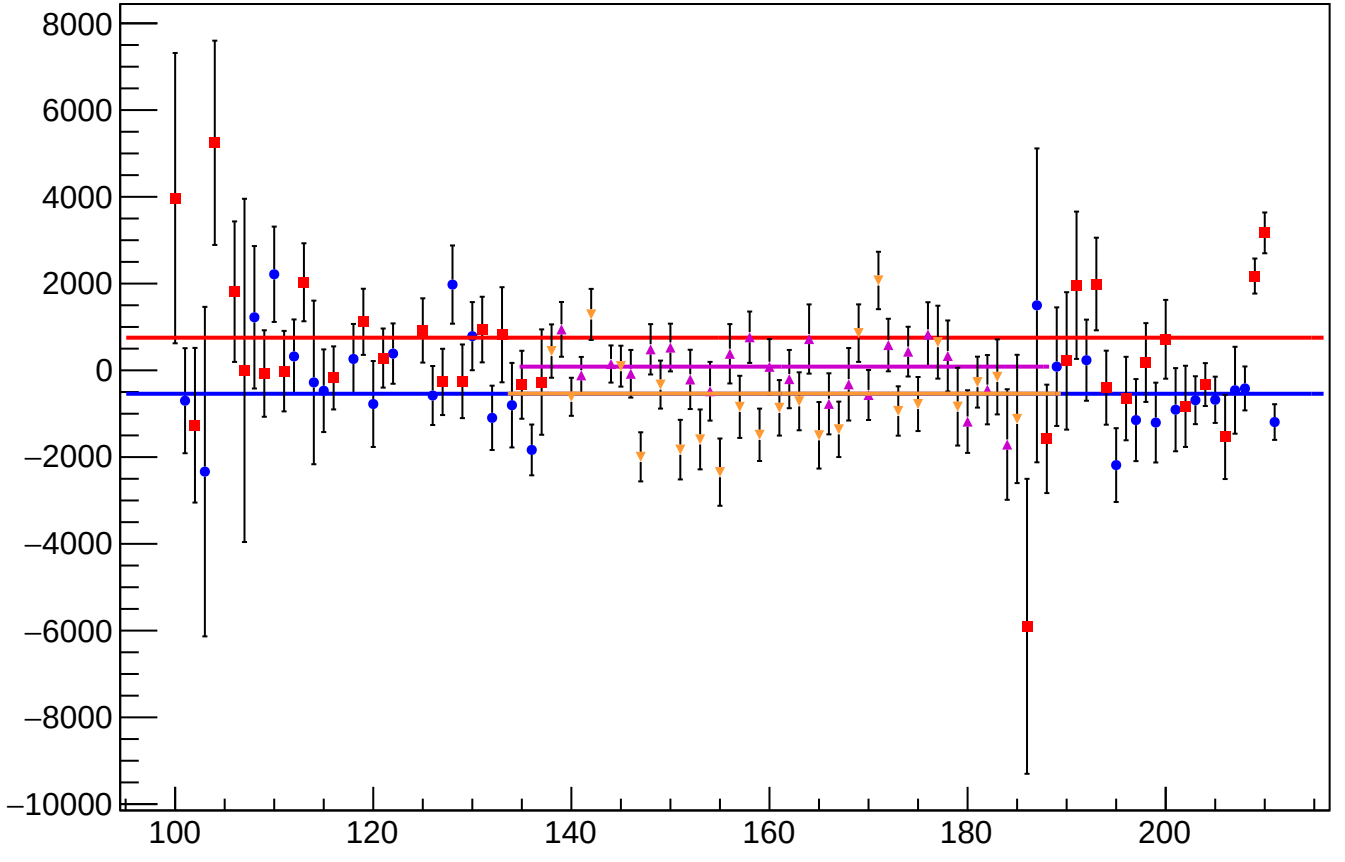
Right: 1170.746+/-0.142 χ^2/NDF: 916899.2/59

In: 1139.809+/-0.137 χ^2/NDF:387260.1/50

Out: 1146.100+/-0.135 χ^2/NDF:617137.5/55

All: 1143.001+/-0.096 χ^2/NDF: 1005473.3/10

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -540.005+/-150.300 χ^2/NDF: 36.5/27

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 752.738+/-150.438 χ^2/NDF: 83.6/31

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

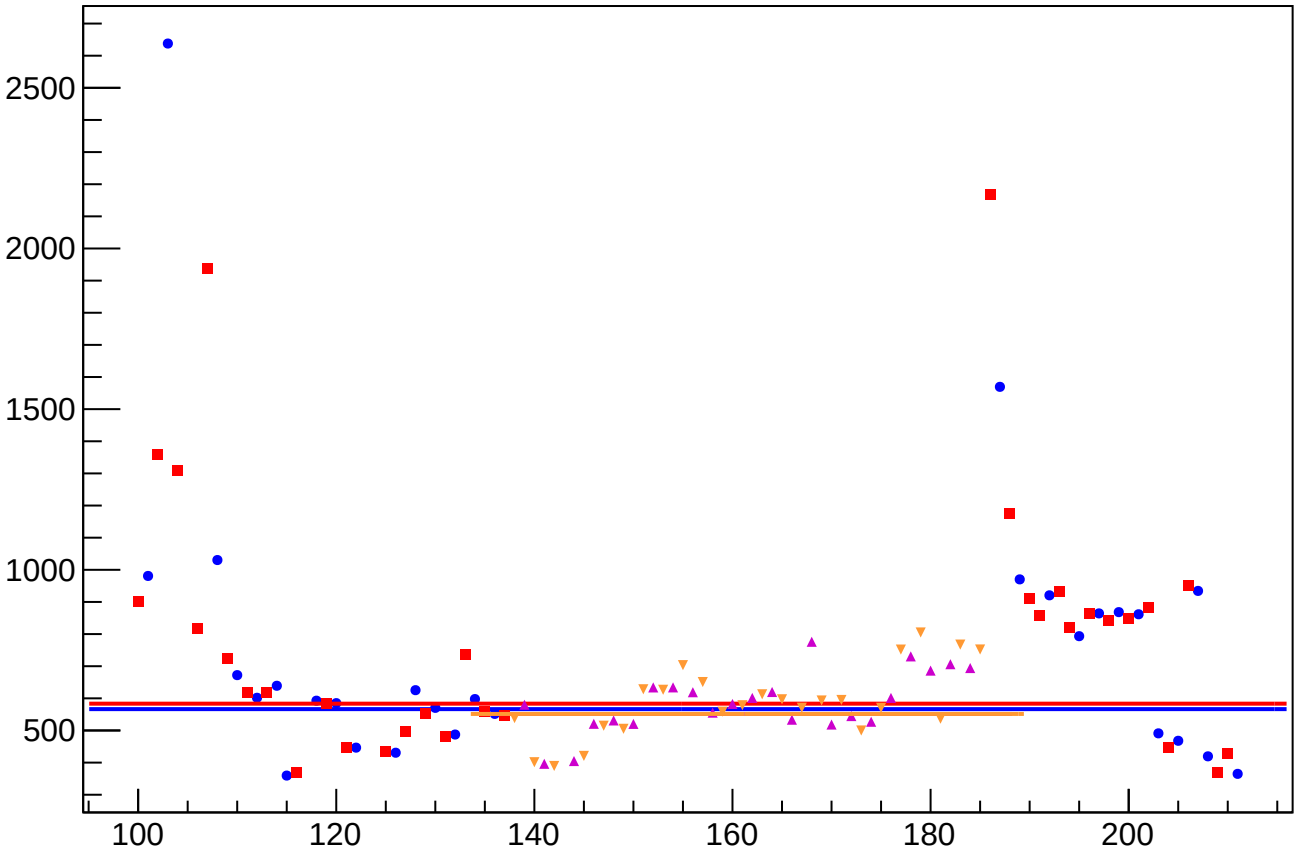
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 105.774+/-106.327 χ^2/NDF: 157.0/59

In: -184.602+/-98.740 χ^2/NDF:63.4/50

Out: 18.112+/-98.641 χ^2/NDF:187.0/55

All: -83.144+/-69.785 χ^2/NDF: 252.5/106



Right In: 566.446+/-0.106 χ^2/NDF: 3669381.3/27

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF: 4669352.7/31

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

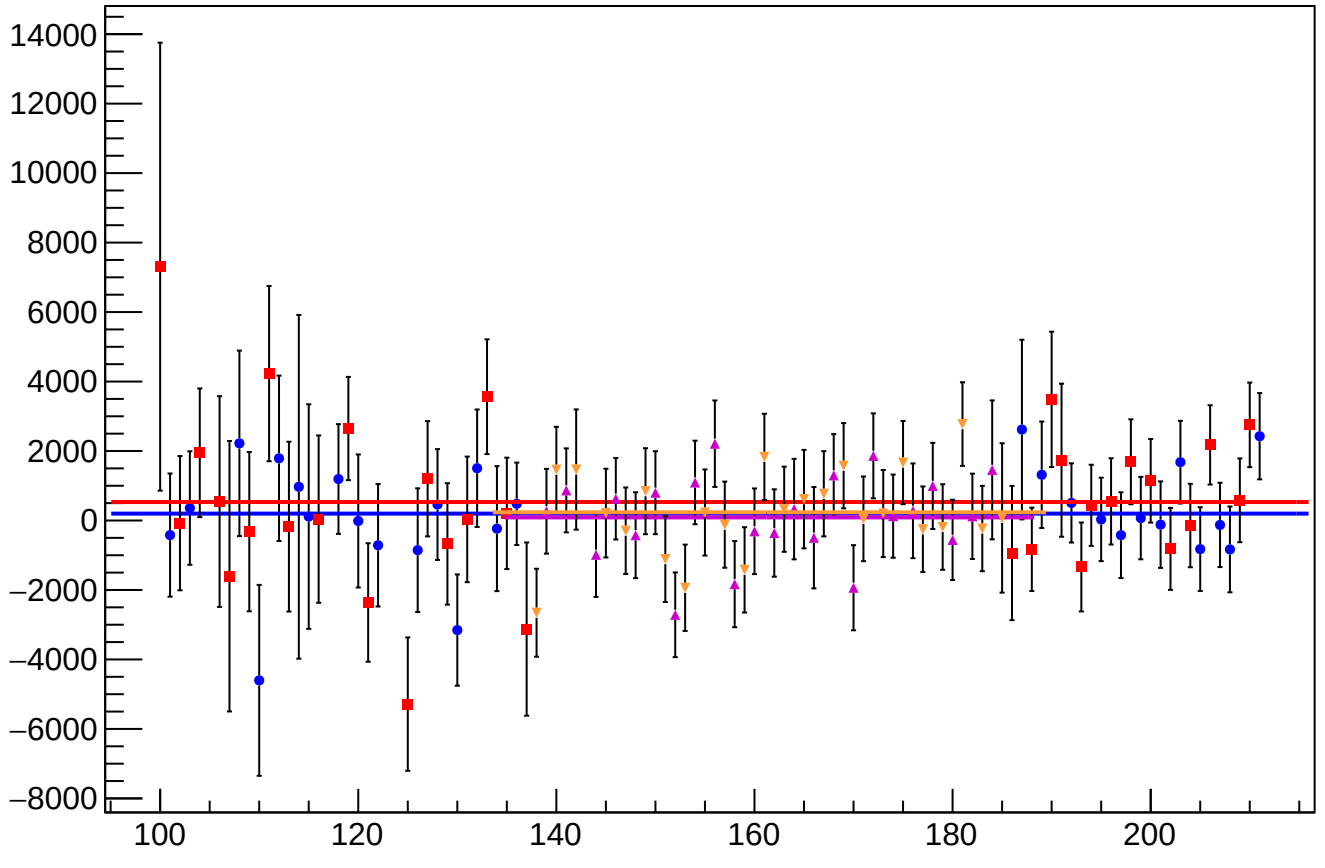
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 574.923+/-0.075 χ^2/NDF: 8351468.7/59

In: 557.857+/-0.070 χ^2/NDF:4742604.3/50

Out: 565.187+/-0.070 χ^2/NDF:5947494.2/55

All: 561.526+/-0.049 χ^2/NDF: 10695614.7/10



Right In: 197.963+/-286.656 χ^2/NDF: 18.5/27

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 532.329+/-280.007 χ^2/NDF: 39.7/31

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

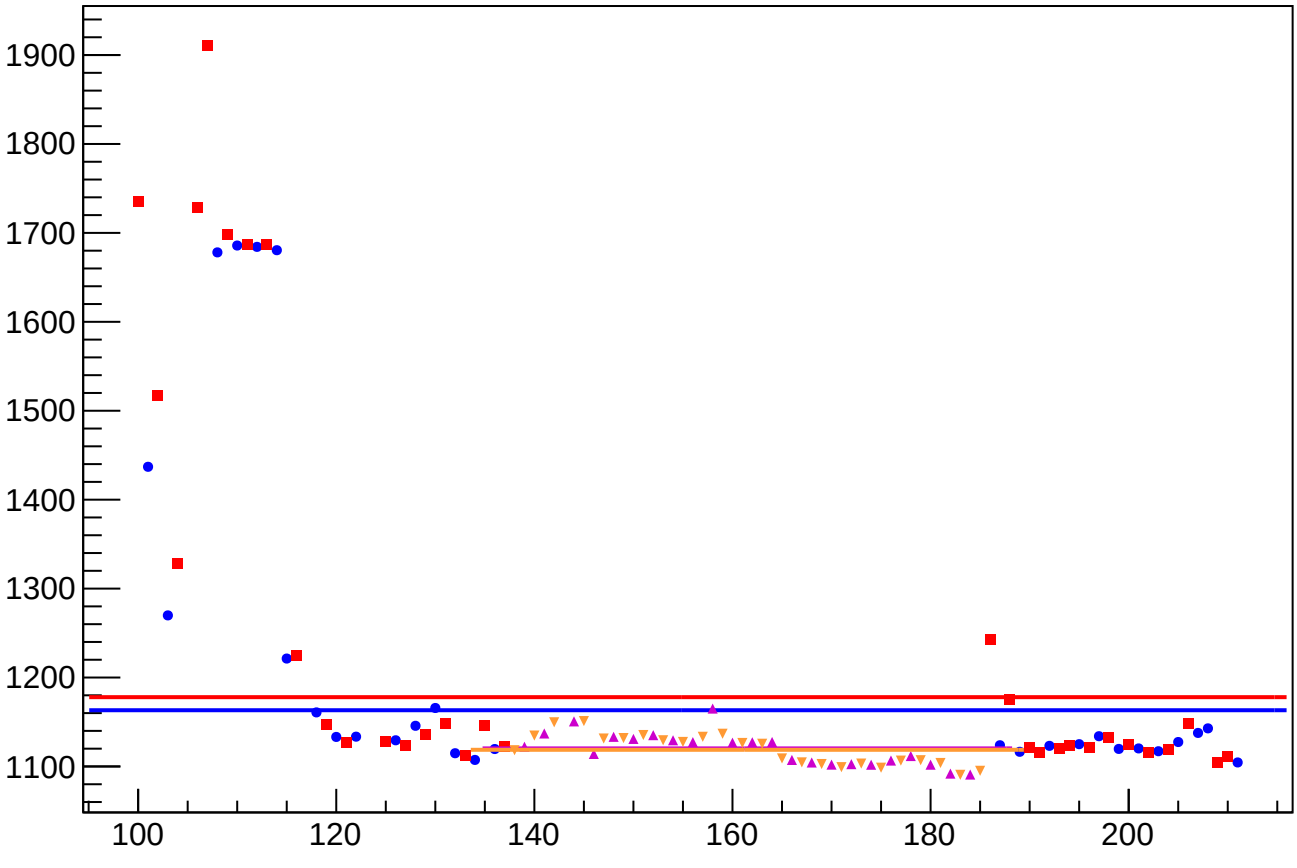
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 369.068+/-200.304 χ^2/NDF: 58.8/59

In: 138.169+/-193.232 χ^2/NDF:39.4/50

Out: 373.358+/-190.398 χ^2/NDF:63.0/55

All: 257.501+/-135.623 χ^2/NDF: 103.2/106



Right In: 1163.224+/-0.203 χ^2/NDF: 353322.6/27

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1177.923+/-0.198 χ^2/NDF: 560885.7/31

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

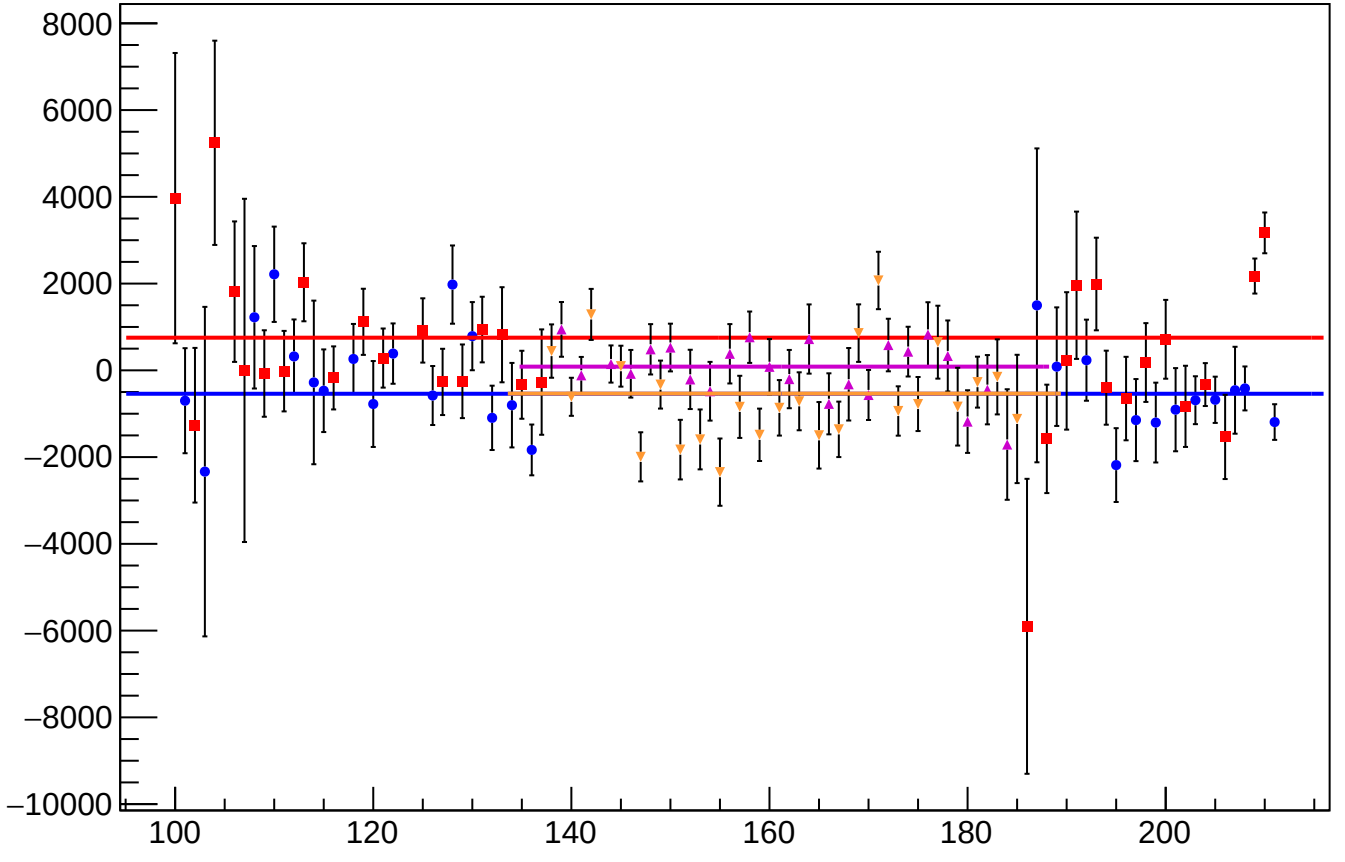
Right: 1170.746+/-0.142 χ^2/NDF: 916899.2/59

In: 1139.809+/-0.137 χ^2/NDF:387260.1/50

Out: 1146.100+/-0.135 χ^2/NDF:617137.5/55

All: 1143.001+/-0.096 χ^2/NDF: 1005473.3/10

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -540.005+/-150.300 χ^2/NDF: 36.5/27

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 752.738+/-150.438 χ^2/NDF: 83.6/31

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

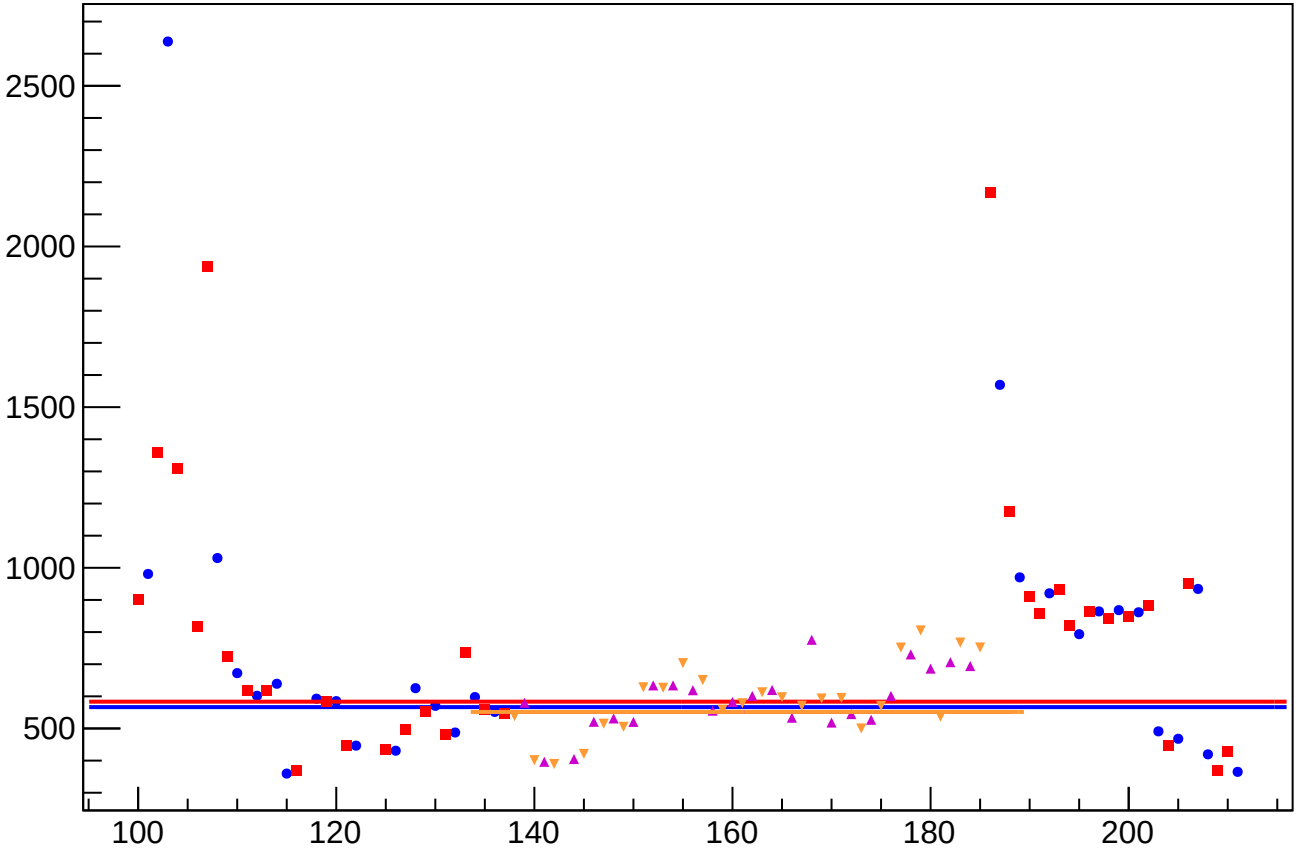
Right: 105.774+/-106.327 χ^2/NDF: 157.0/59

In: -184.602+/-98.740 χ^2/NDF:63.4/50

Out: 18.112+/-98.641 χ^2/NDF:187.0/55

All: -83.144+/-69.785 χ^2/NDF: 252.5/106

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 566.446+/-0.106 χ^2/NDF: 3669381.3/27

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 583.415+/-0.106 χ^2/NDF: 4669352.7/31

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

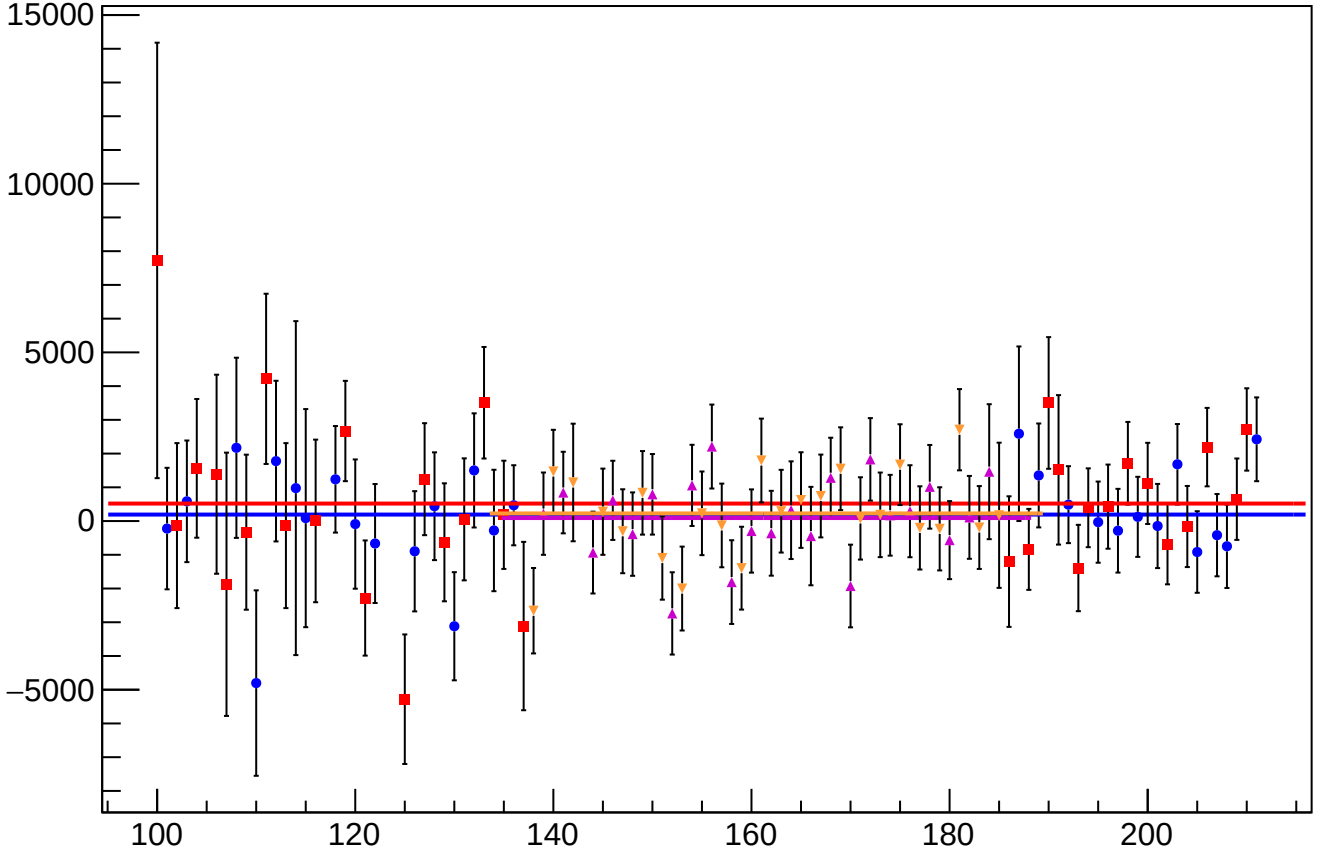
Right: 574.923+/-0.075 χ^2/NDF: 8351468.7/59

In: 557.857+/-0.070 χ^2/NDF:4742604.3/50

Out: 565.187+/-0.070 χ^2/NDF:5947494.2/55

All: 561.526+/-0.049 χ^2/NDF: 10695614.7/10

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 192.200+/-288.028 χ^2/NDF: 18.7/27

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 518.363+/-282.455 χ^2/NDF: 39.2/31

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

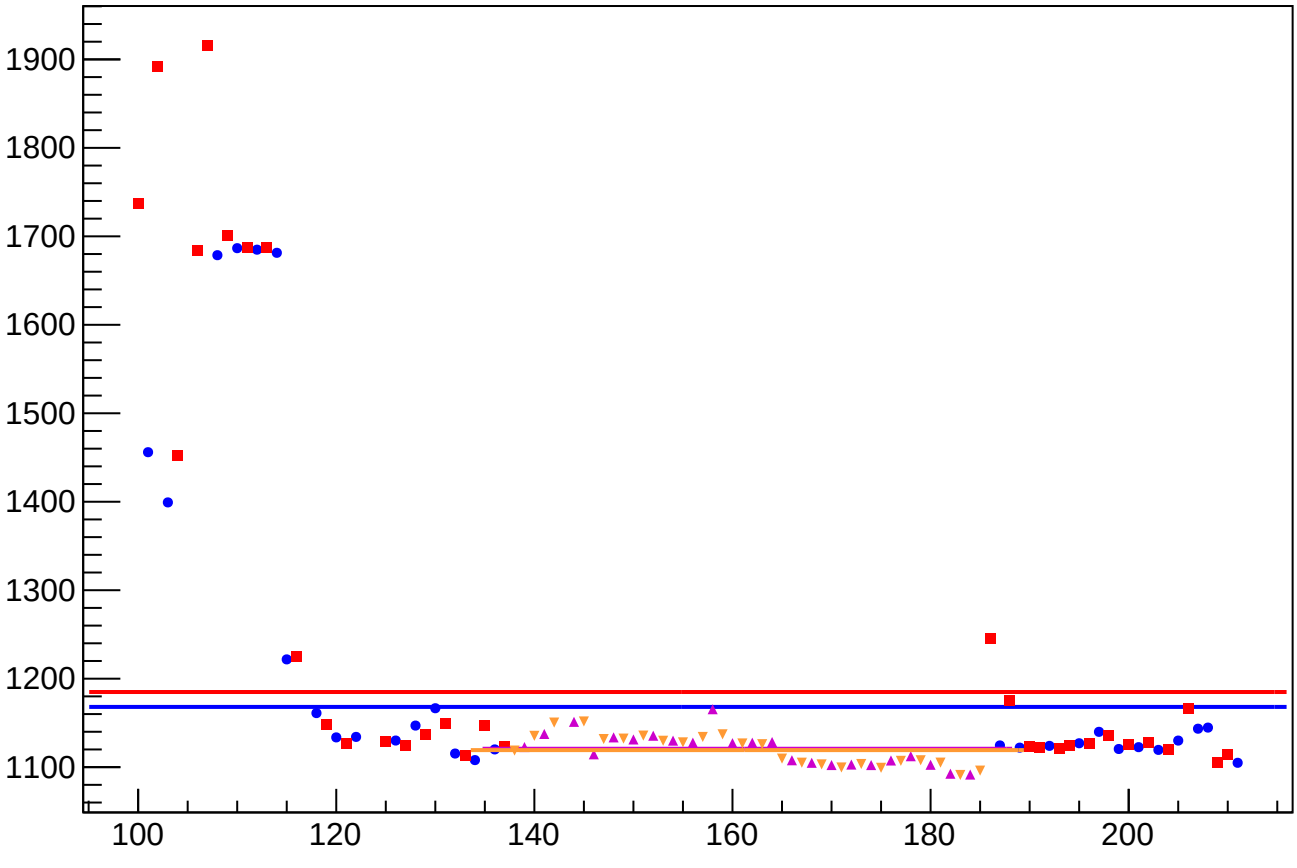
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 358.467+/-201.667 χ^2/NDF: 58.5/59

In: 135.715+/-193.697 χ^2/NDF:39.3/50

Out: 359.822+/-191.226 χ^2/NDF:61.9/55

All: 249.207+/-136.083 χ^2/NDF: 102.0/106



Right In: 1168.086+/-0.204 χ^2/NDF: 381271.8/27

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1184.935+/-0.200 χ^2/NDF: 679814.9/31

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

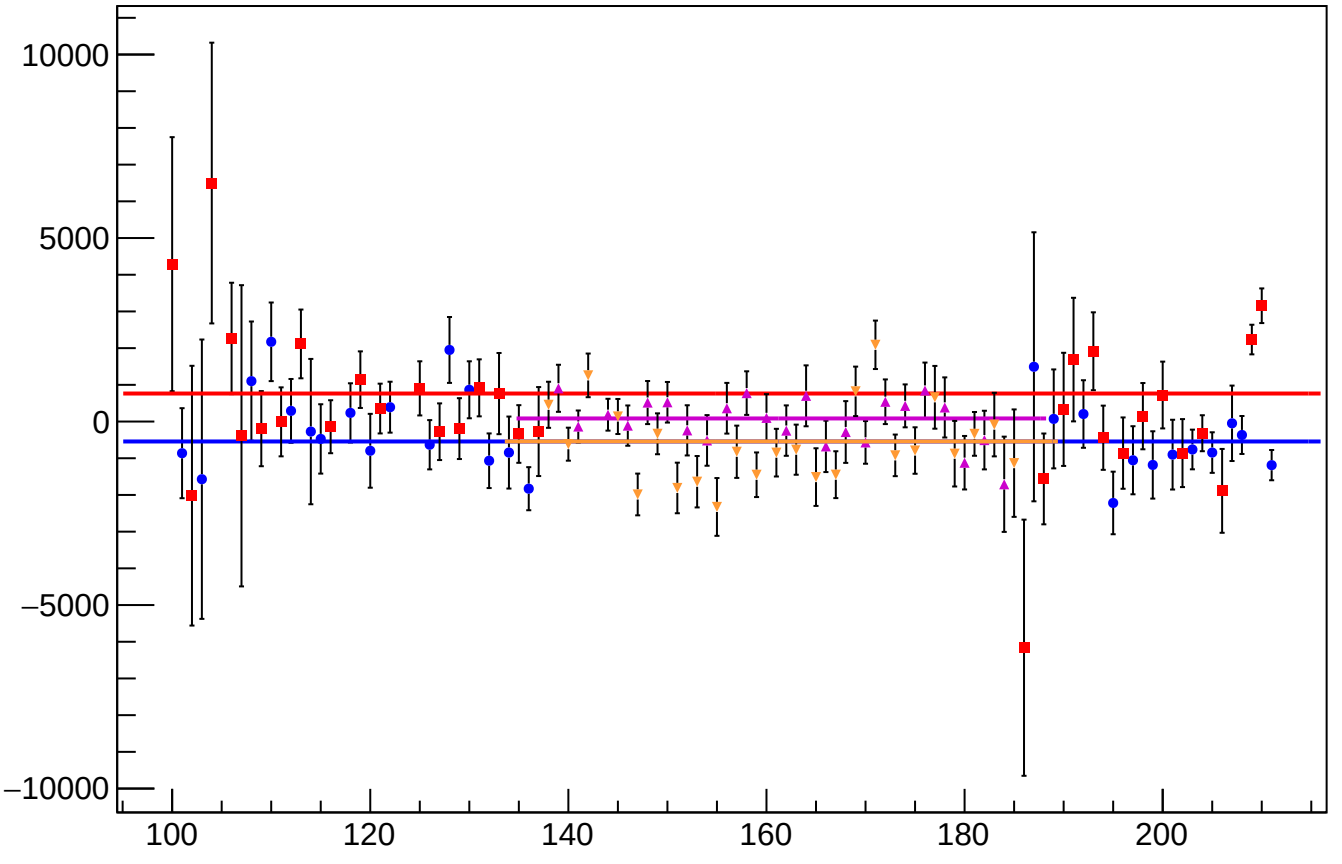
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1176.675+/-0.143 χ^2/NDF: 1064575.5/59

In: 1142.185+/-0.137 χ^2/NDF:420224.2/50

Out: 1149.361+/-0.135 χ^2/NDF:746528.0/55

All: 1145.819+/-0.096 χ^2/NDF: 1168142.2/10



Right In: -543.072+/-150.660 χ^2/NDF: 37.0/27

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 763.461+/-151.812 χ^2/NDF: 83.1/31

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

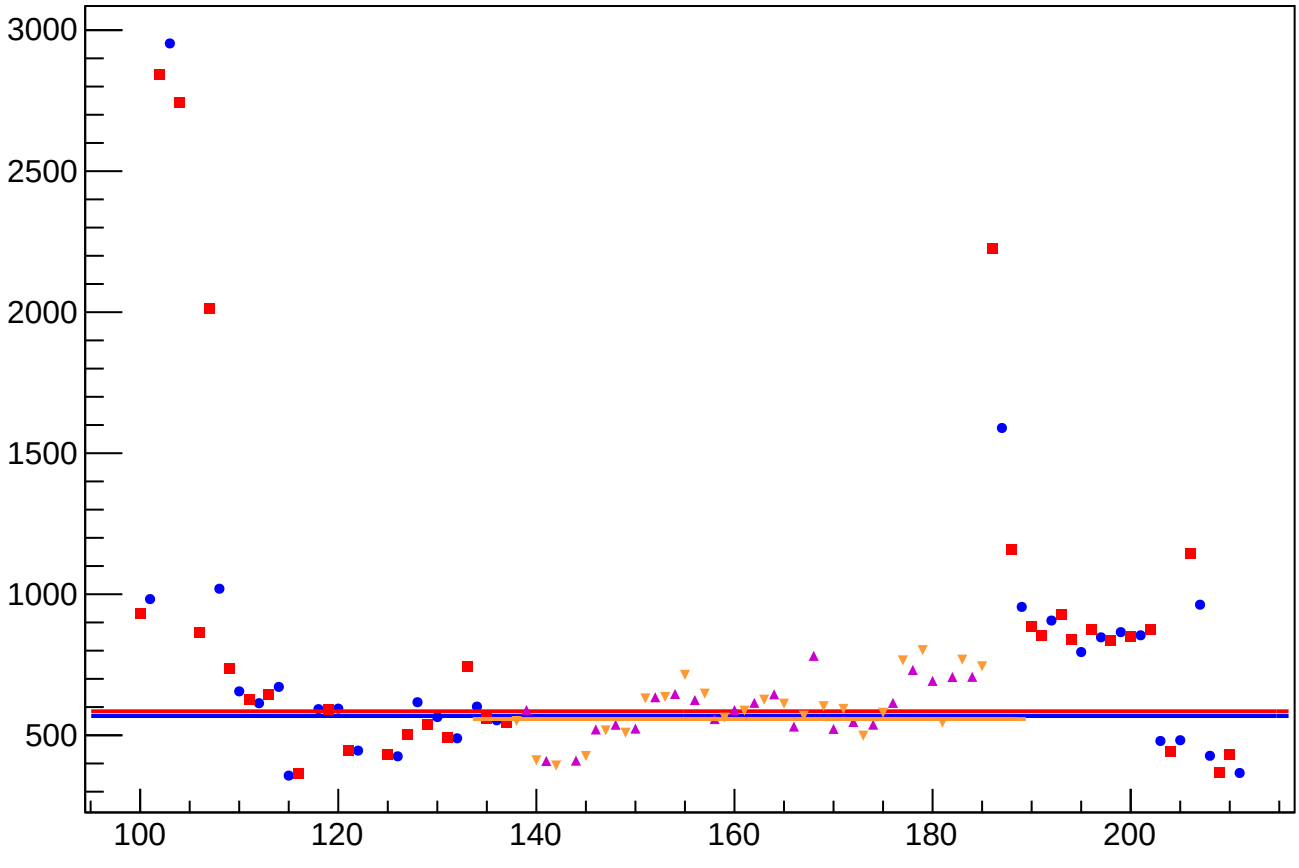
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 105.220+/-106.938 χ^2/NDF: 157.5/59

In: -189.527+/-99.516 χ^2/NDF:63.2/50

Out: 20.331+/-99.616 χ^2/NDF:186.1/55

All: -84.703+/-70.404 χ^2/NDF: 251.5/106



Right In: 568.276+/-0.107 χ^2/NDF: 3810770.9/27

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 584.956+/-0.107 χ^2/NDF: 5805873.1/31

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

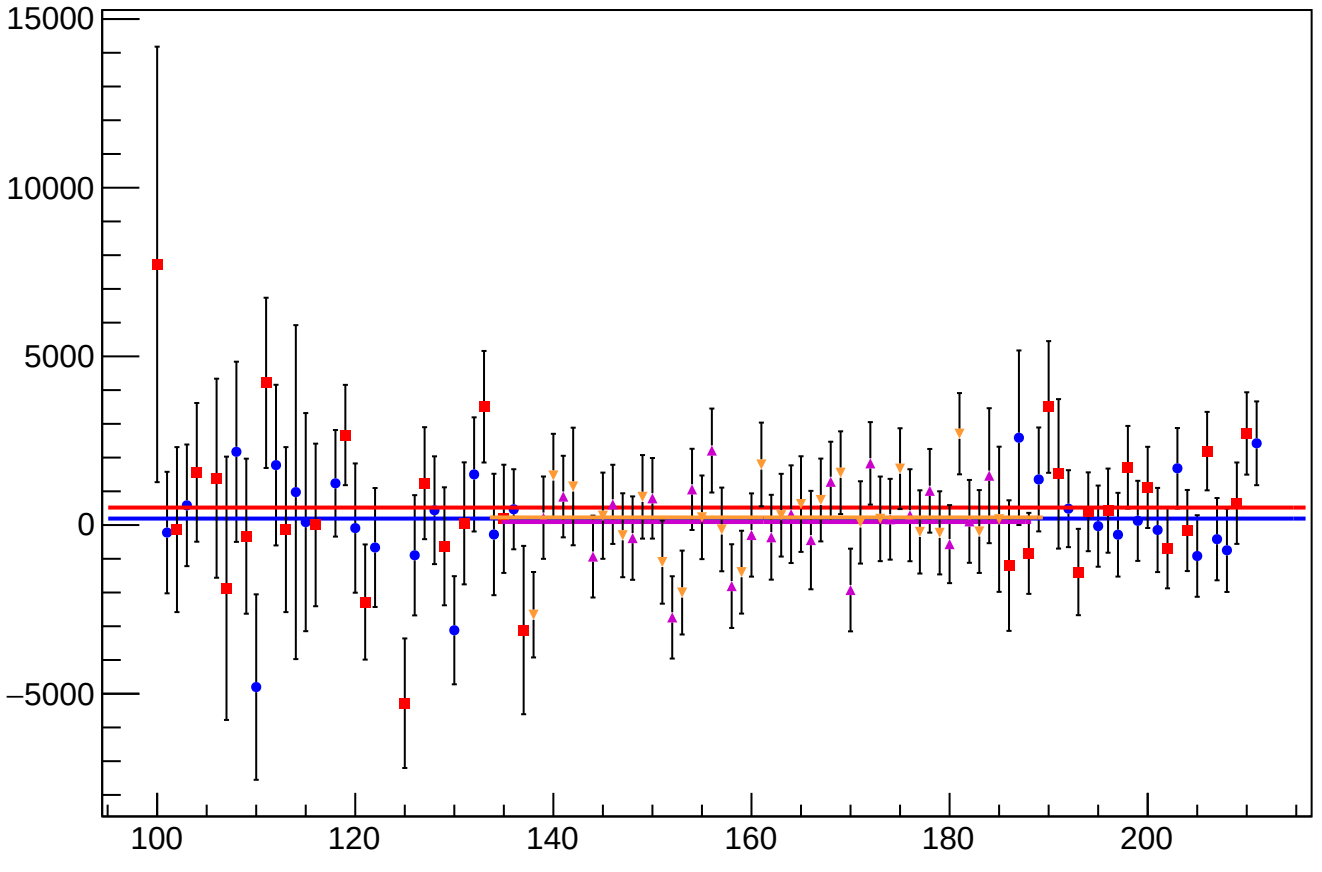
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 576.552+/-0.076 χ^2/NDF: 9628808.4/59

In: 562.705+/-0.070 χ^2/NDF:4843436.3/50

Out: 569.374+/-0.070 χ^2/NDF:7036145.4/55

All: 566.036+/-0.050 χ^2/NDF: 11884068.4/10



Right In: 192.202+/-288.028 χ^2/NDF: 18.7/27

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 518.362+/-282.455 χ^2/NDF: 39.2/31

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

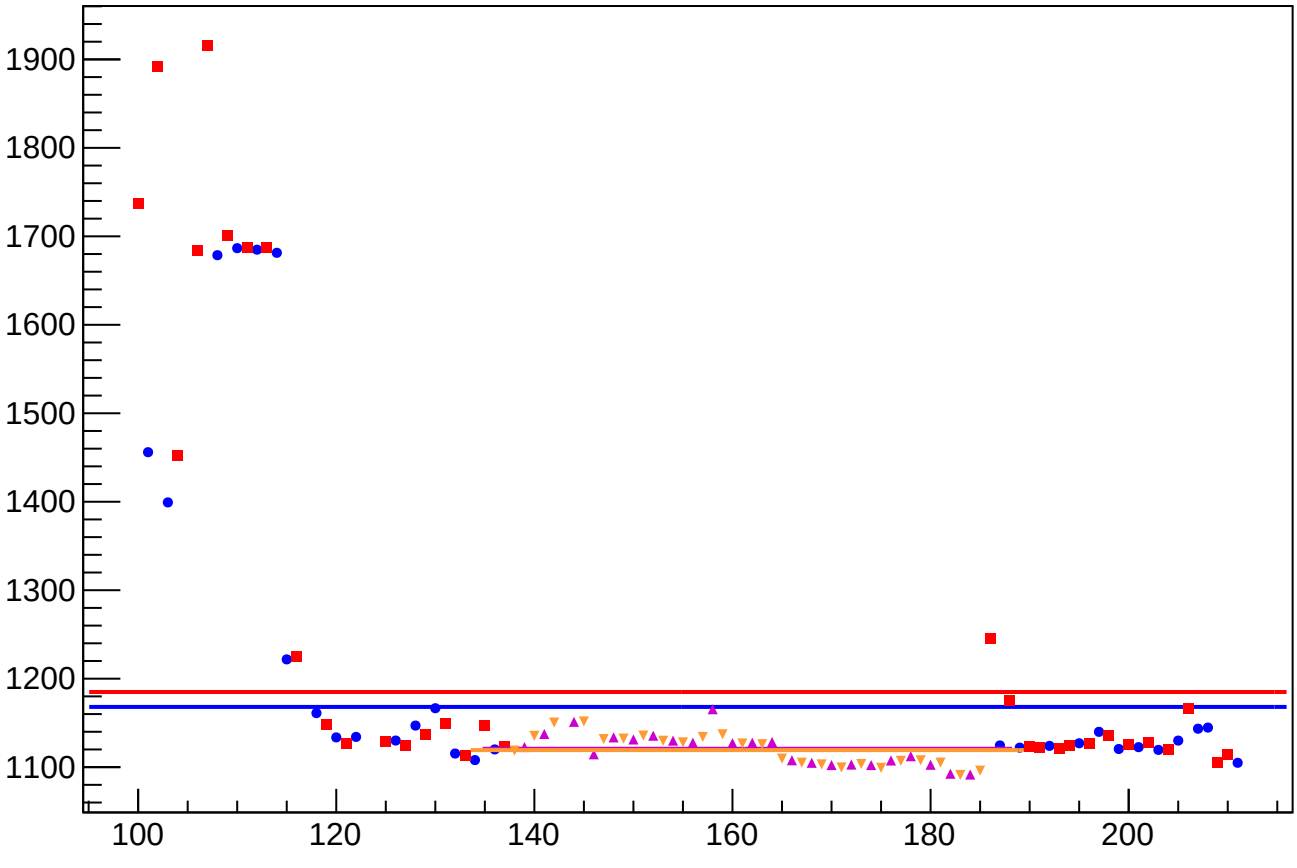
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 358.468+/-201.667 χ^2/NDF: 58.5/59

In: 135.716+/-193.697 χ^2/NDF:39.3/50

Out: 359.820+/-191.226 χ^2/NDF:61.9/55

All: 249.207+/-136.083 χ^2/NDF: 102.0/106



Right In: 1168.086+/-0.204 χ^2/NDF: 381271.3/27

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1184.935+/-0.200 χ^2/NDF: 679814.2/31

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

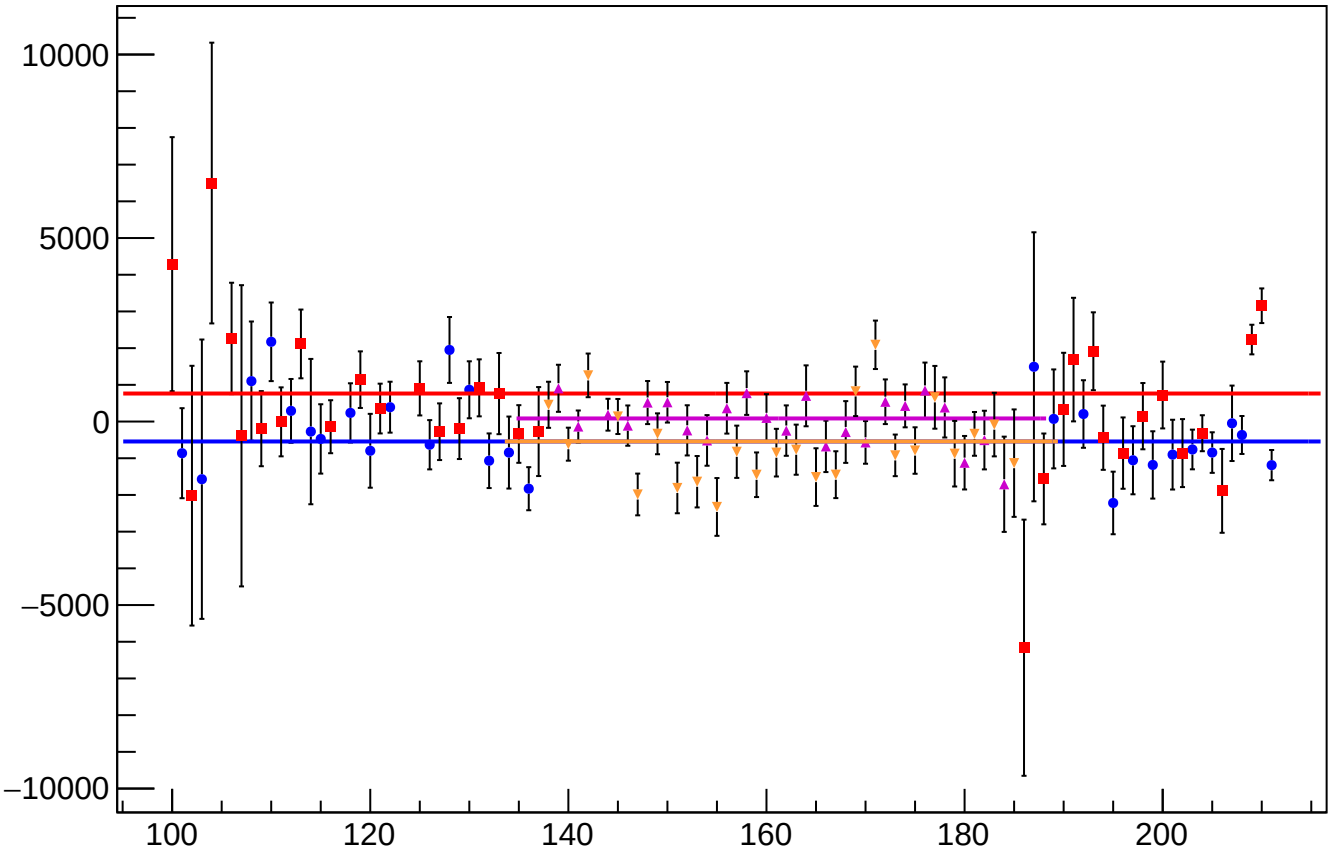
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1176.675+/-0.143 χ^2/NDF: 1064574.3/59

In: 1142.185+/-0.137 χ^2/NDF:420223.6/50

Out: 1149.361+/-0.135 χ^2/NDF:746527.2/55

All: 1145.819+/-0.096 χ^2/NDF: 1168140.9/10



Right In: -543.072+/-150.660 χ^2/NDF: 37.0/27

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 763.461+/-151.812 χ^2/NDF: 83.1/31

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

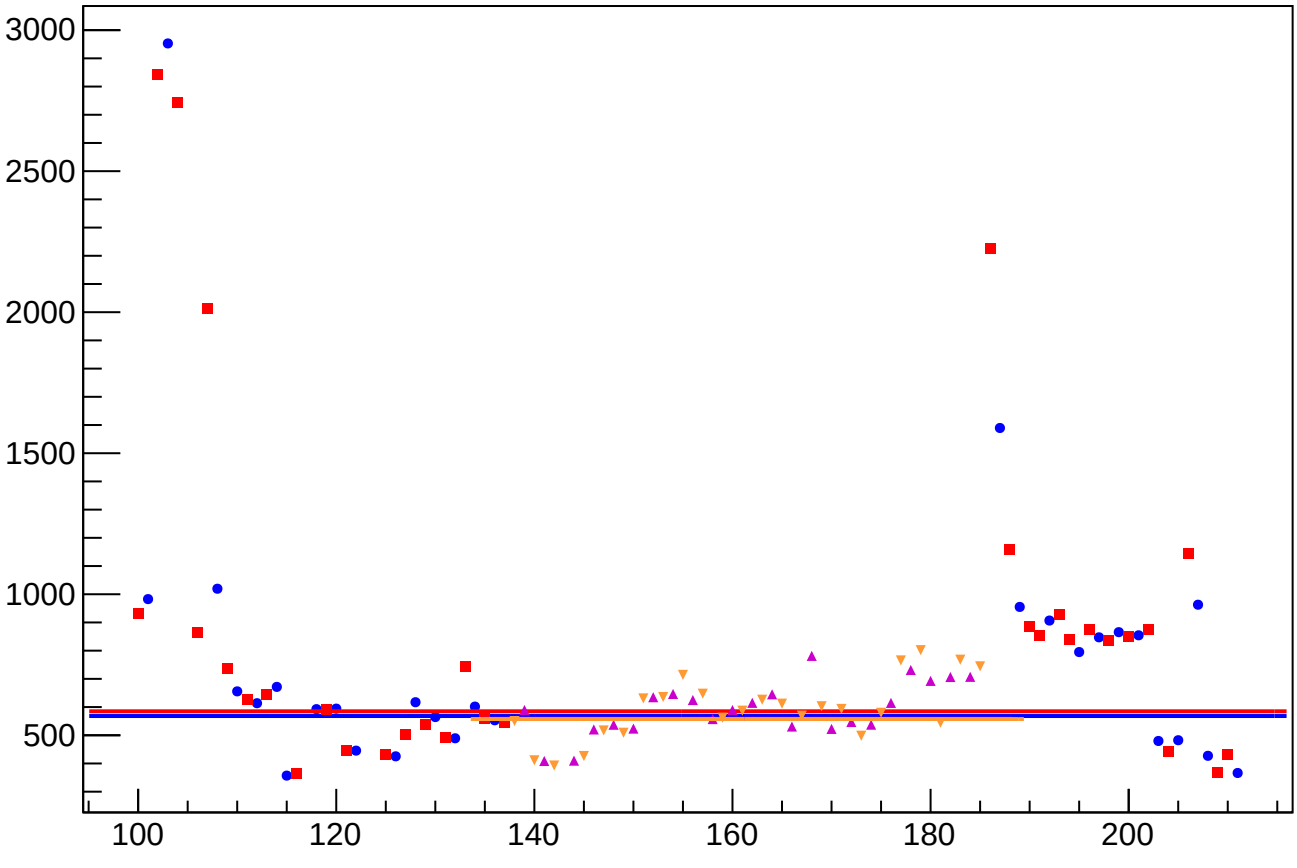
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 105.220+/-106.938 χ^2/NDF: 157.5/59

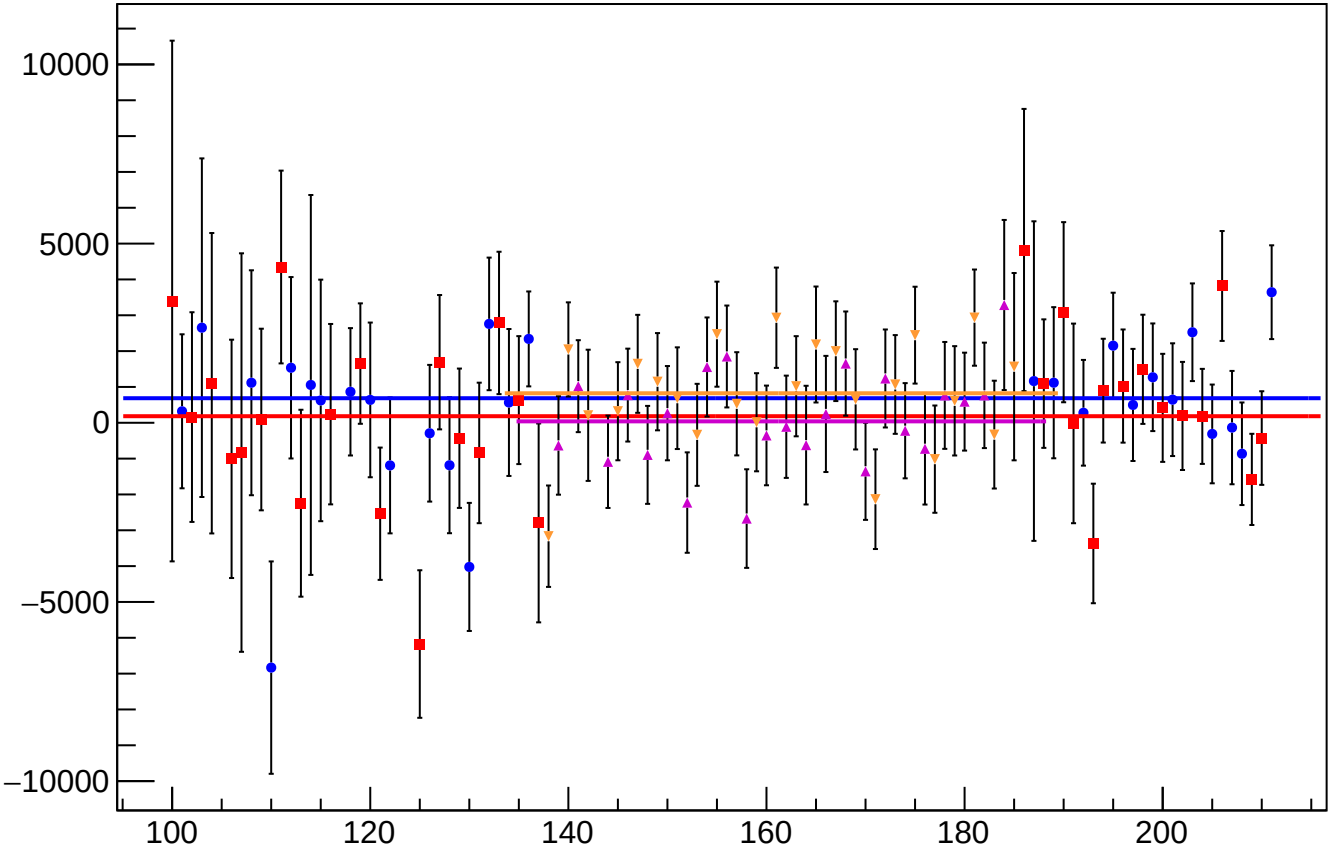
In: -189.527+/-99.516 χ^2/NDF:63.2/50

Out: 20.332+/-99.616 χ^2/NDF:186.1/55

All: -84.703+/-70.404 χ^2/NDF: 251.5/106


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: 568.275+/-0.107 χ²/NDF: 3810773.1/27
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 584.956+/-0.107 χ²/NDF: 5805880.5/31
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 576.552+/-0.076 χ²/NDF: 9628818.1/59
In: 562.704+/-0.070 χ²/NDF:4843453.3/50
Out: 569.374+/-0.070 χ²/NDF:7036175.0/55
All: 566.036+/-0.050 χ²/NDF: 11884114.9/10

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 685.467+/-342.645 χ^2/NDF: 28.9/27

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 183.436+/-338.788 χ^2/NDF: 36.7/31

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

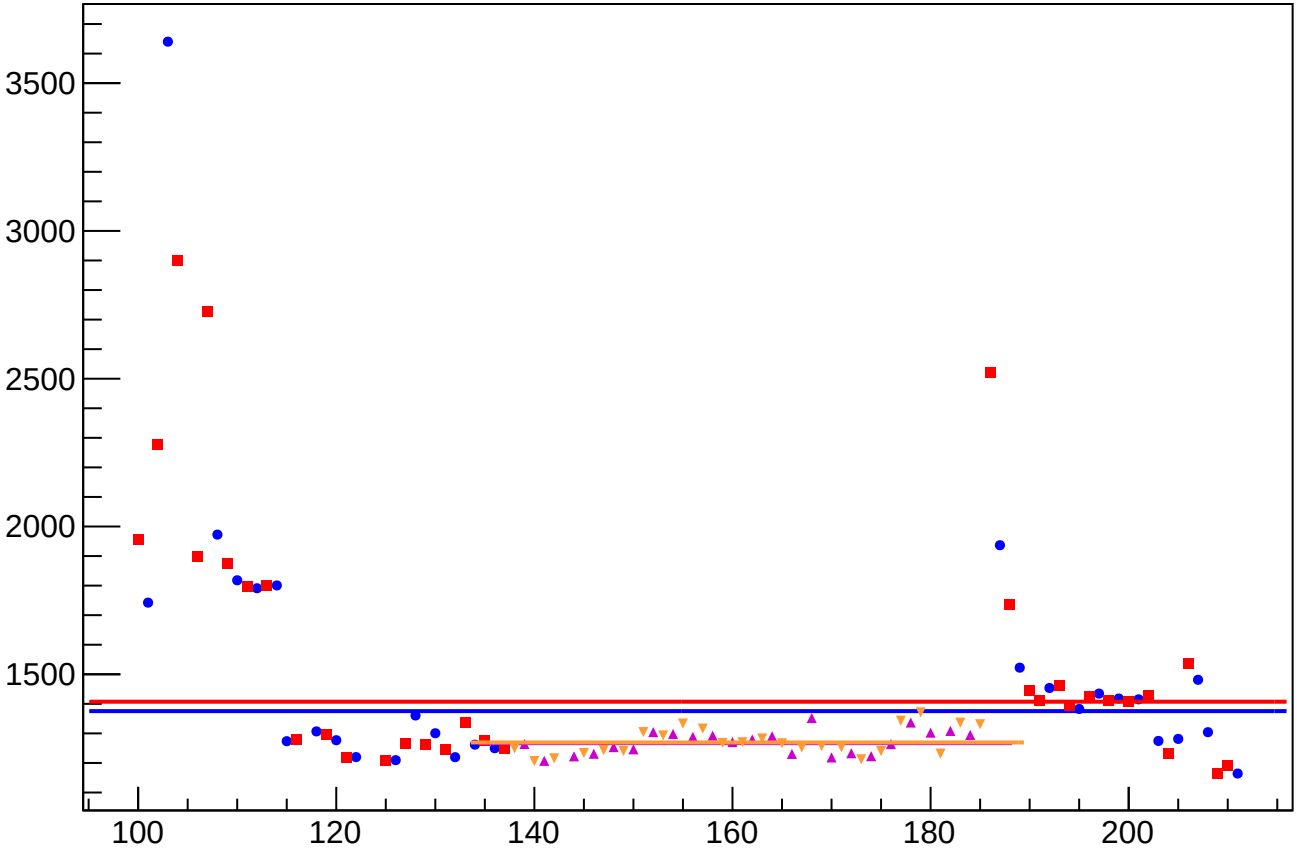
Right: 431.610+/-240.911 χ^2/NDF: 66.7/59

In: 315.672+/-223.996 χ^2/NDF:48.8/50

Out: 547.552+/-222.407 χ^2/NDF:64.9/55

All: 432.438+/-157.825 χ^2/NDF: 114.2/106

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1375.398+/-0.242 χ^2/NDF: 920375.6/27

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1407.219+/-0.240 χ^2/NDF: 1268564.1/31

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

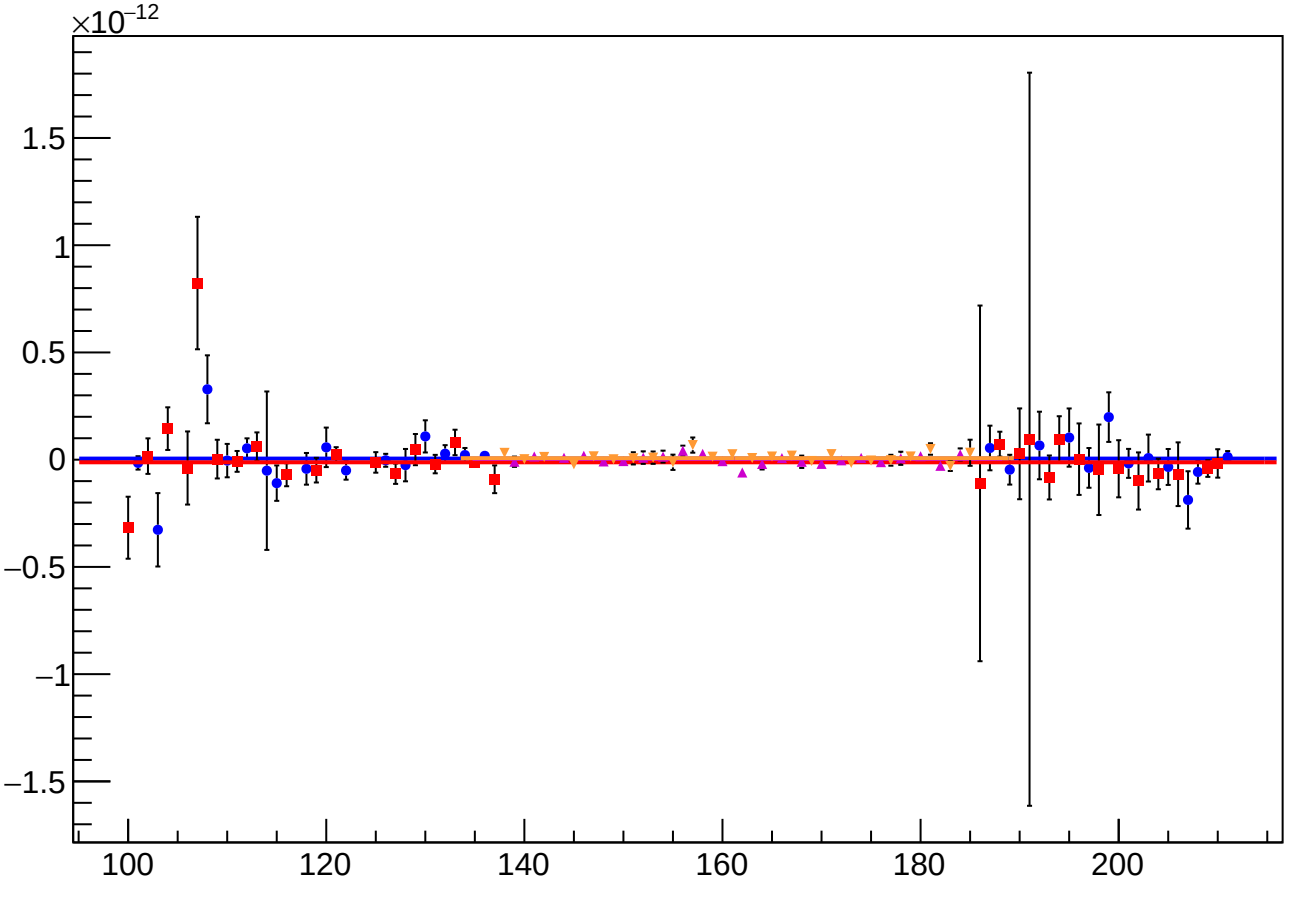
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1391.488+/-0.170 χ^2/NDF: 2197661.9/59

In: 1313.363+/-0.158 χ^2/NDF:1069404.4/50

Out: 1328.818+/-0.157 χ^2/NDF:1499828.0/55

All: 1321.145+/-0.112 χ^2/NDF: 2574027.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

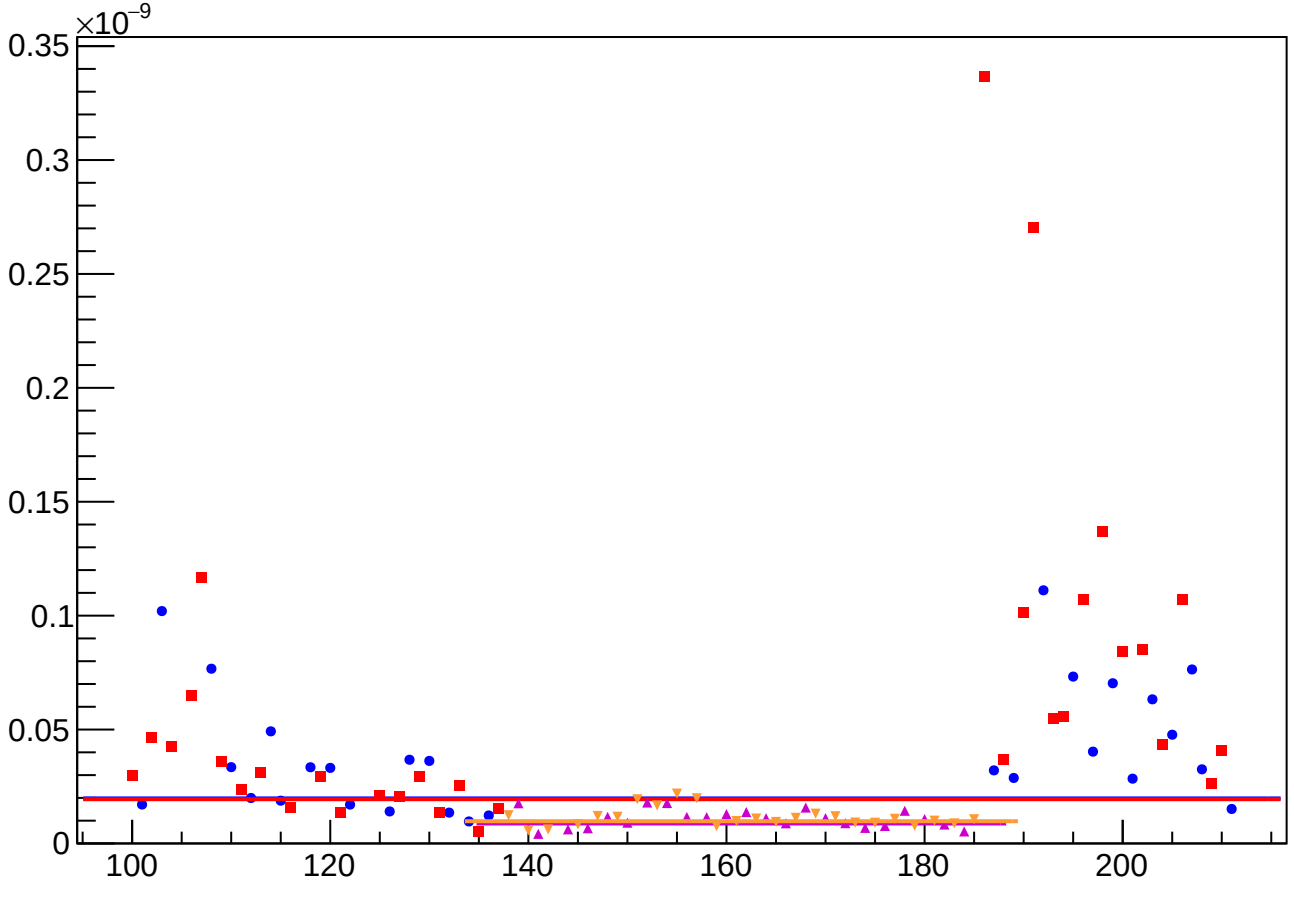
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 56.4/59

In: 0.000+/-0.000 χ^2/NDF:48.2/50

Out: 0.000+/-0.000 χ^2/NDF:52.7/55

All: 0.000+/-0.000 χ^2/NDF: 100.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 4361906.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7328353.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

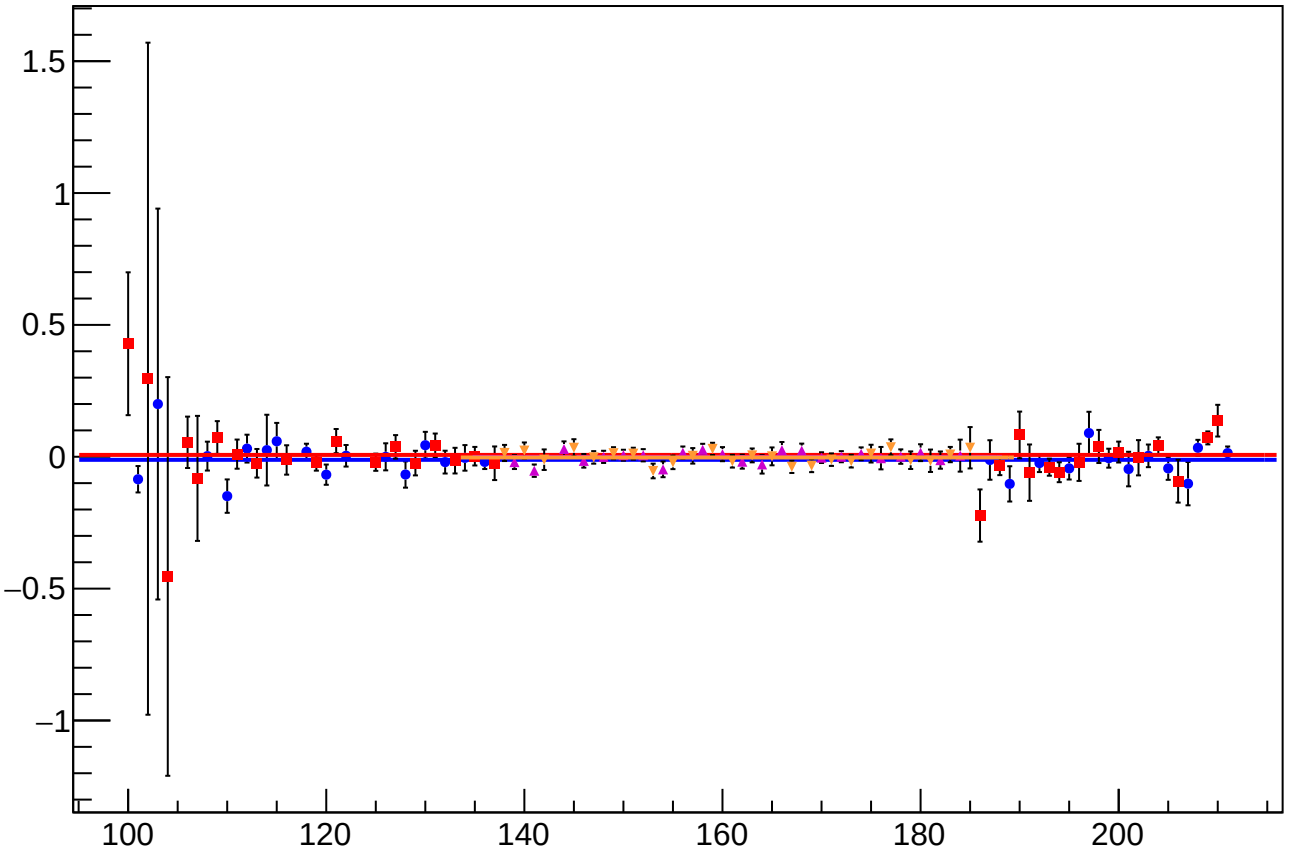
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 11691516.4/59

In: 0.000+/-0.000 χ^2/NDF:8645630.7/50

Out: 0.000+/-0.000 χ^2/NDF:10416179.0/55

All: 0.000+/-0.000 χ^2/NDF: 19130386.0/106



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 37.6/31

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

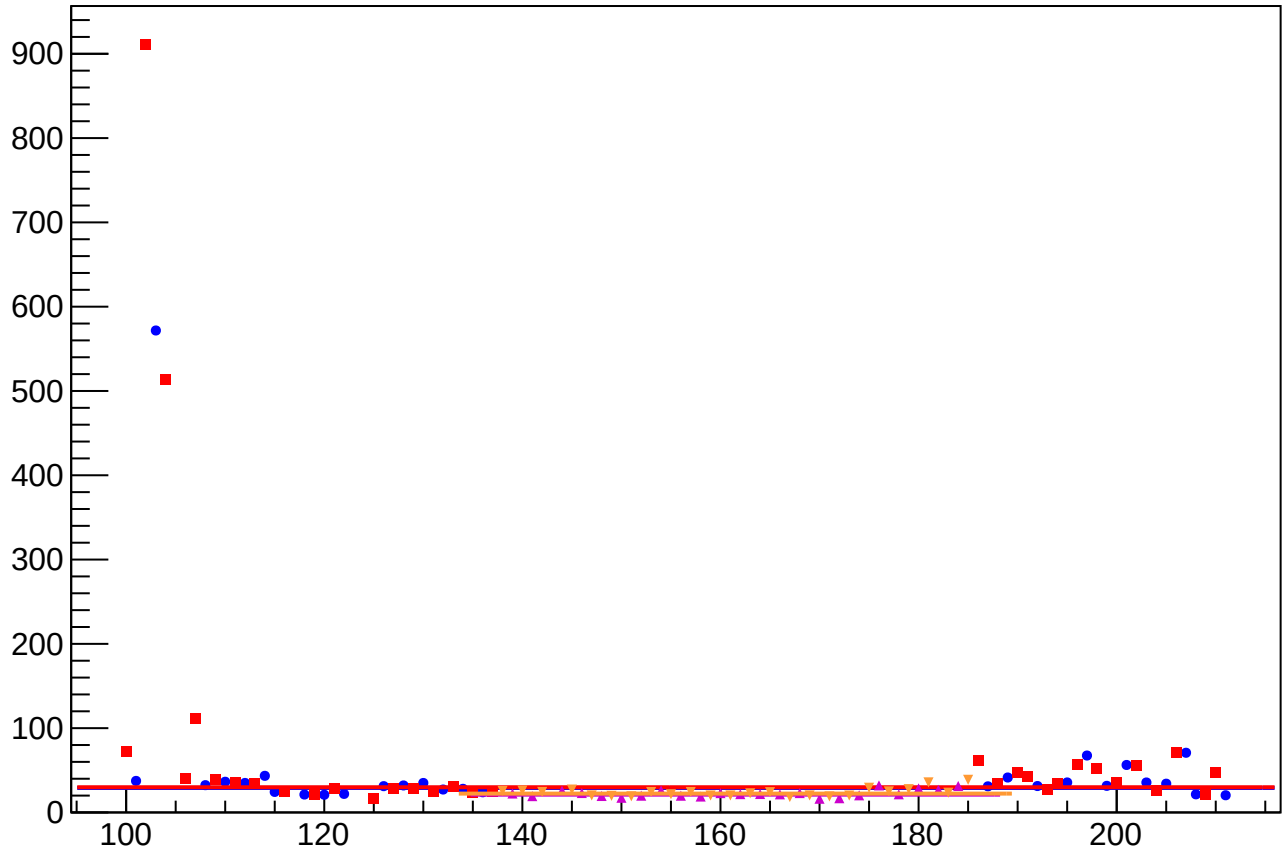
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.002+/-0.006 χ^2/NDF: 64.5/59

In: -0.004+/-0.005 χ^2/NDF:40.5/50

Out: 0.000+/-0.005 χ^2/NDF:54.8/55

All: -0.002+/-0.003 χ^2/NDF: 95.8/106



Right In: 29.067+/-0.006 χ^2/NDF: 3504403.2/27

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.890+/-0.006 χ^2/NDF: 5033168.1/31

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

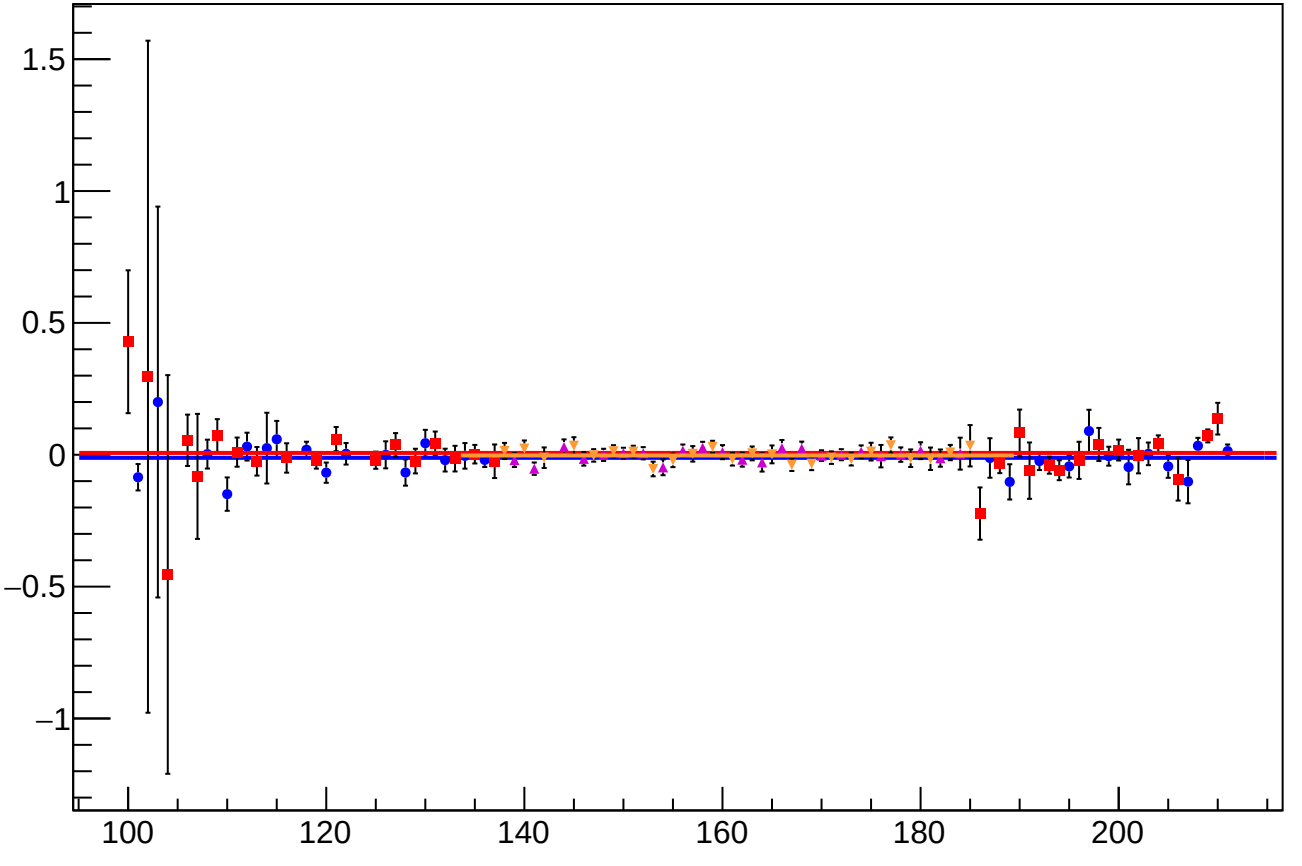
Right: 29.474+/-0.004 χ^2/NDF: 8547187.3/59

In: 23.493+/-0.003 χ^2/NDF:5600675.4/50

Out: 24.705+/-0.003 χ^2/NDF:6945506.2/55

All: 24.081+/-0.002 χ^2/NDF: 12614321.1/106

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 37.6/31

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

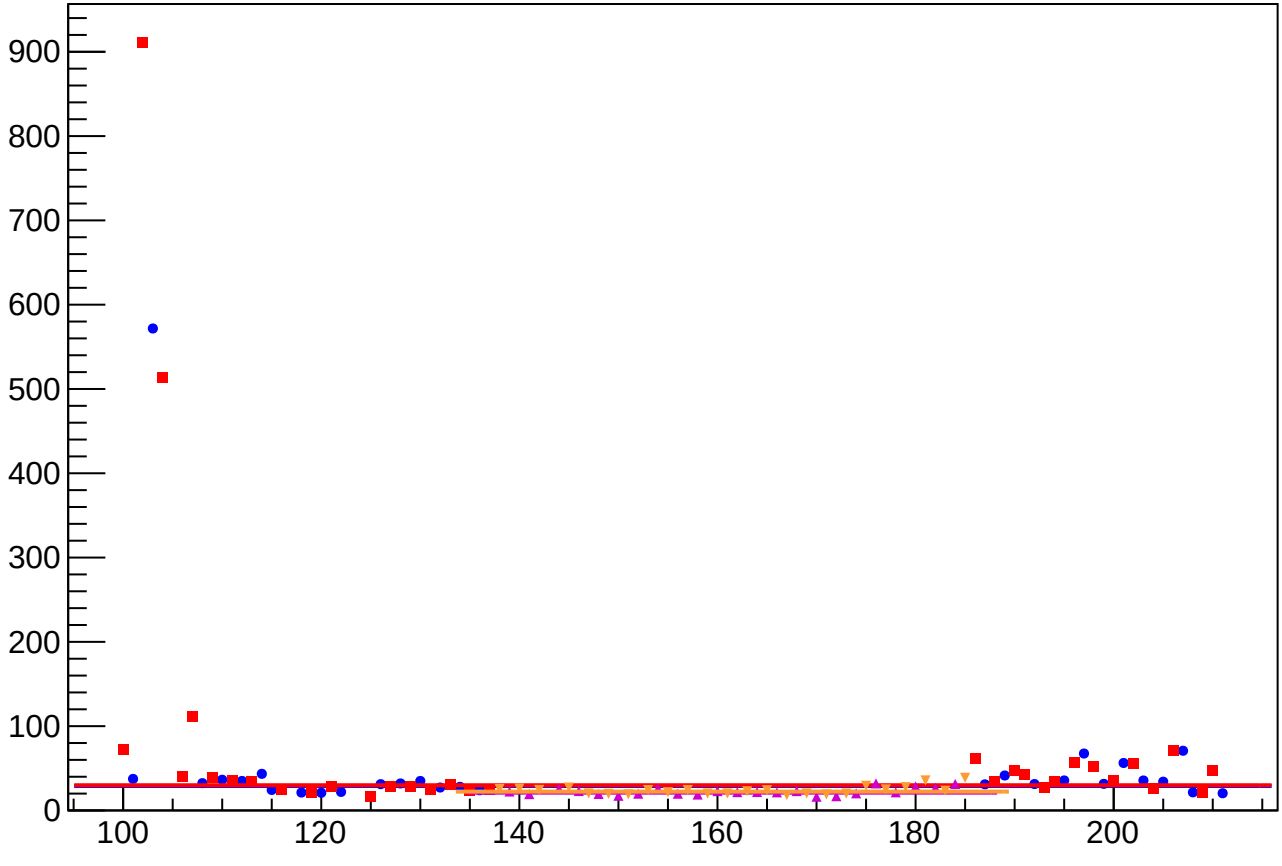
Right: -0.002+/-0.006 χ^2/NDF: 64.5/59

In: -0.004+/-0.005 χ^2/NDF:40.5/50

Out: 0.000+/-0.005 χ^2/NDF:54.8/55

All: -0.002+/-0.003 χ^2/NDF: 95.8/106

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.067+/-0.006 χ^2/NDF: 3504403.2/27

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.890+/-0.006 χ^2/NDF: 5033168.1/31

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

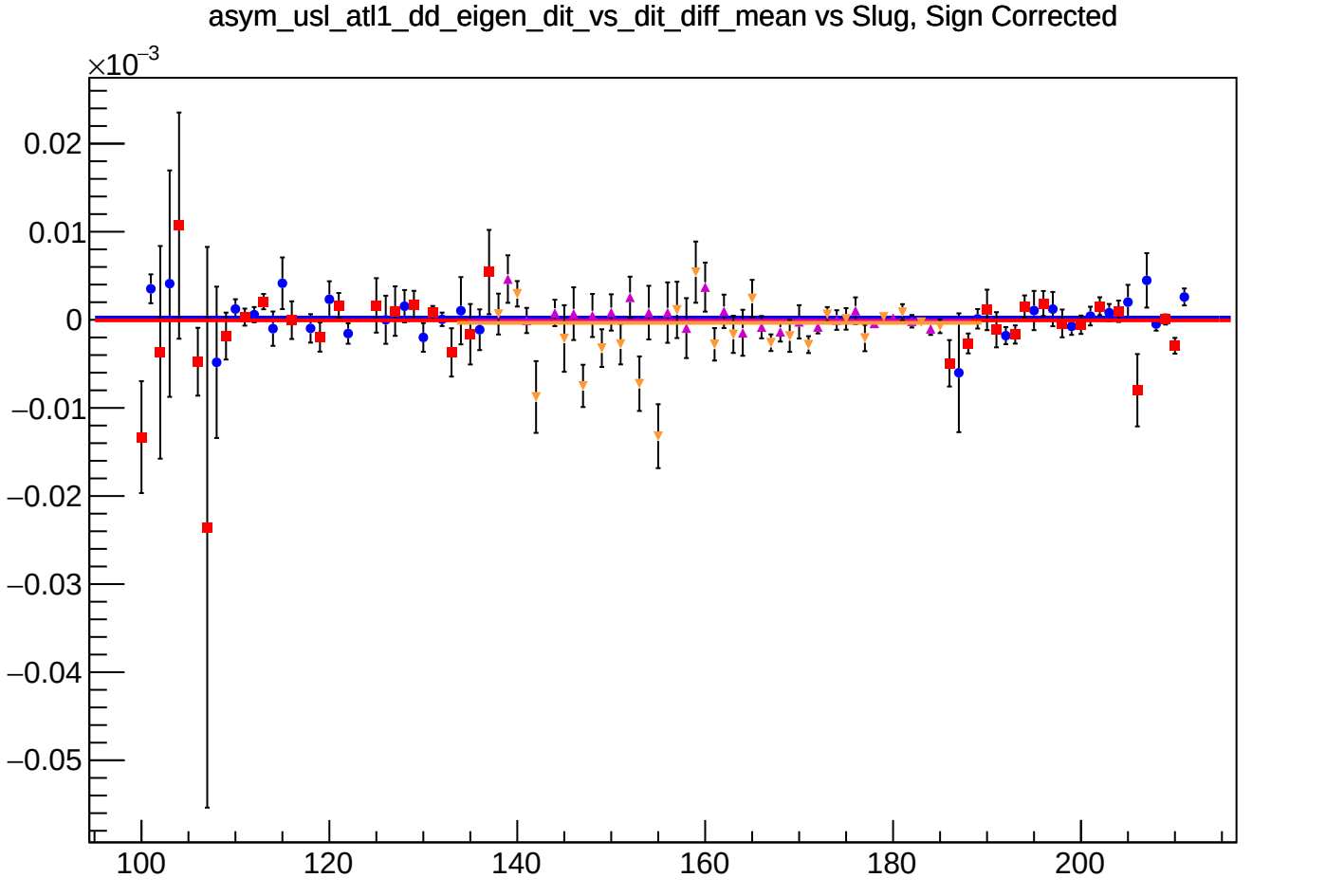
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.474+/-0.004 χ^2/NDF: 8547187.3/59

In: 23.493+/-0.003 χ^2/NDF:5600675.4/50

Out: 24.705+/-0.003 χ^2/NDF:6945506.2/55

All: 24.081+/-0.002 χ^2/NDF: 12614321.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 55.3/31

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

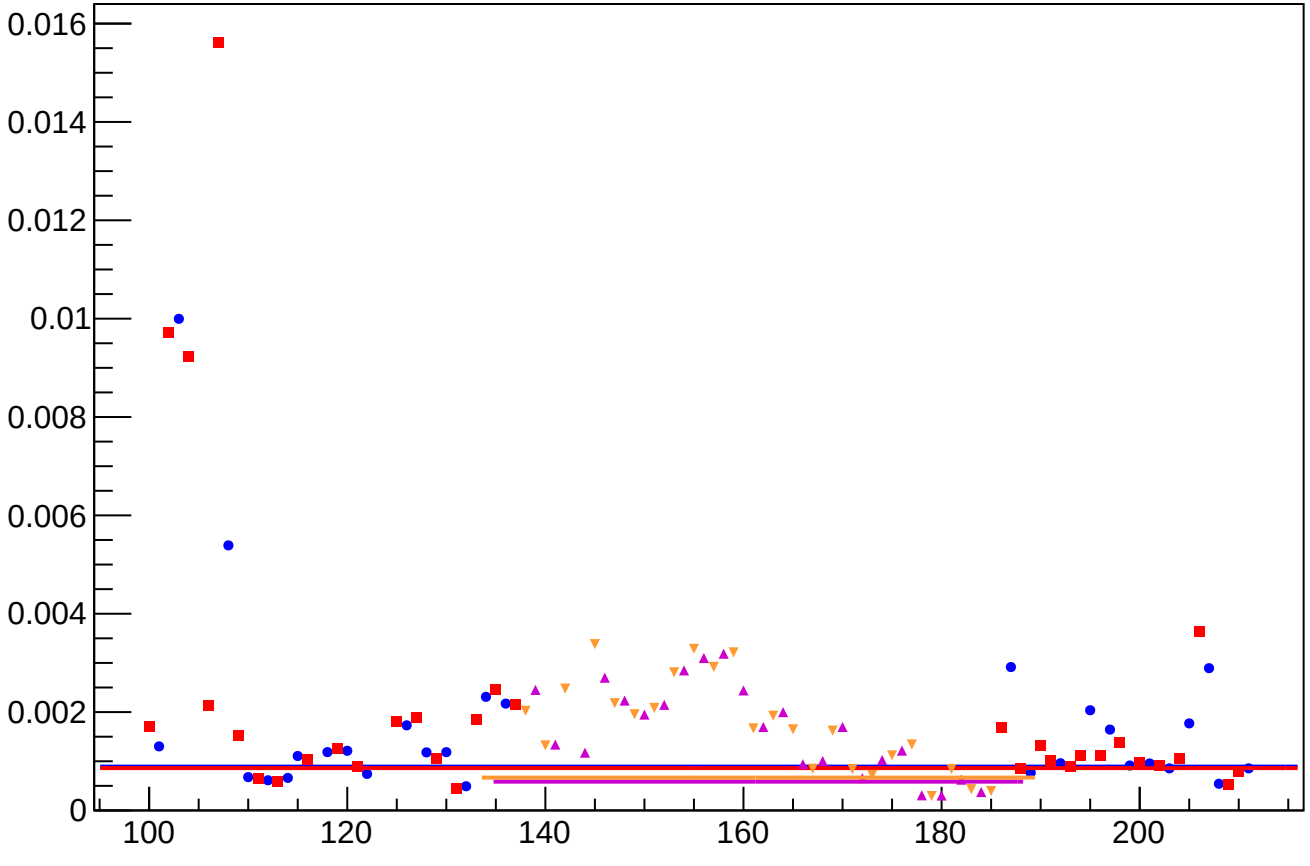
Right: 0.000+/-0.000 χ^2/NDF: 87.1/59

In: -0.000+/-0.000 χ^2/NDF:46.8/50

Out: -0.000+/-0.000 χ^2/NDF:124.2/55

All: -0.000+/-0.000 χ^2/NDF: 172.1/106

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6615252.2/27

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7391420.6/31

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

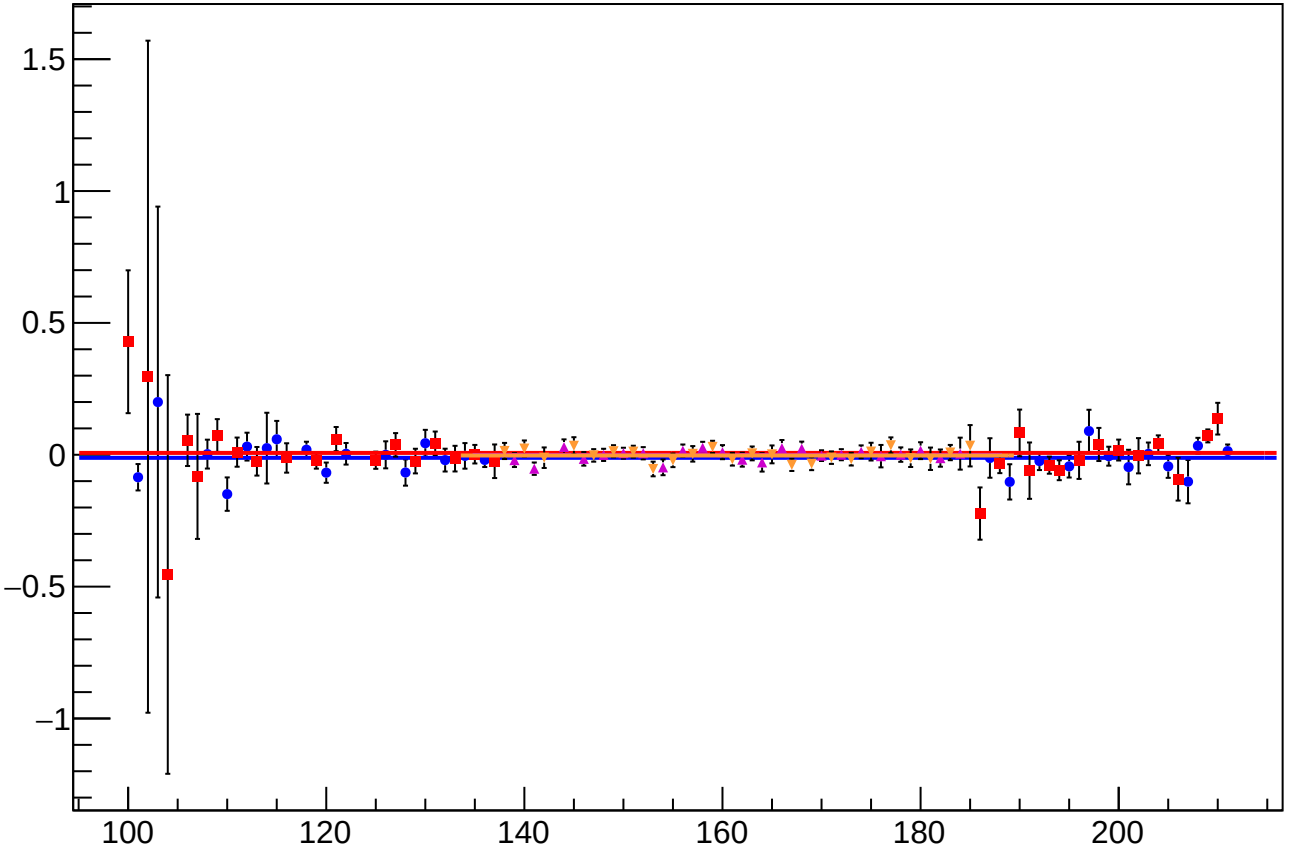
Right: 0.001+/-0.000 χ^2/NDF: 14021981.1/59

In: 0.001+/-0.000 χ^2/NDF:24159549.0/50

Out: 0.001+/-0.000 χ^2/NDF:23503159.9/55

All: 0.001+/-0.000 χ^2/NDF: 47789734.1/106

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 37.6/31

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

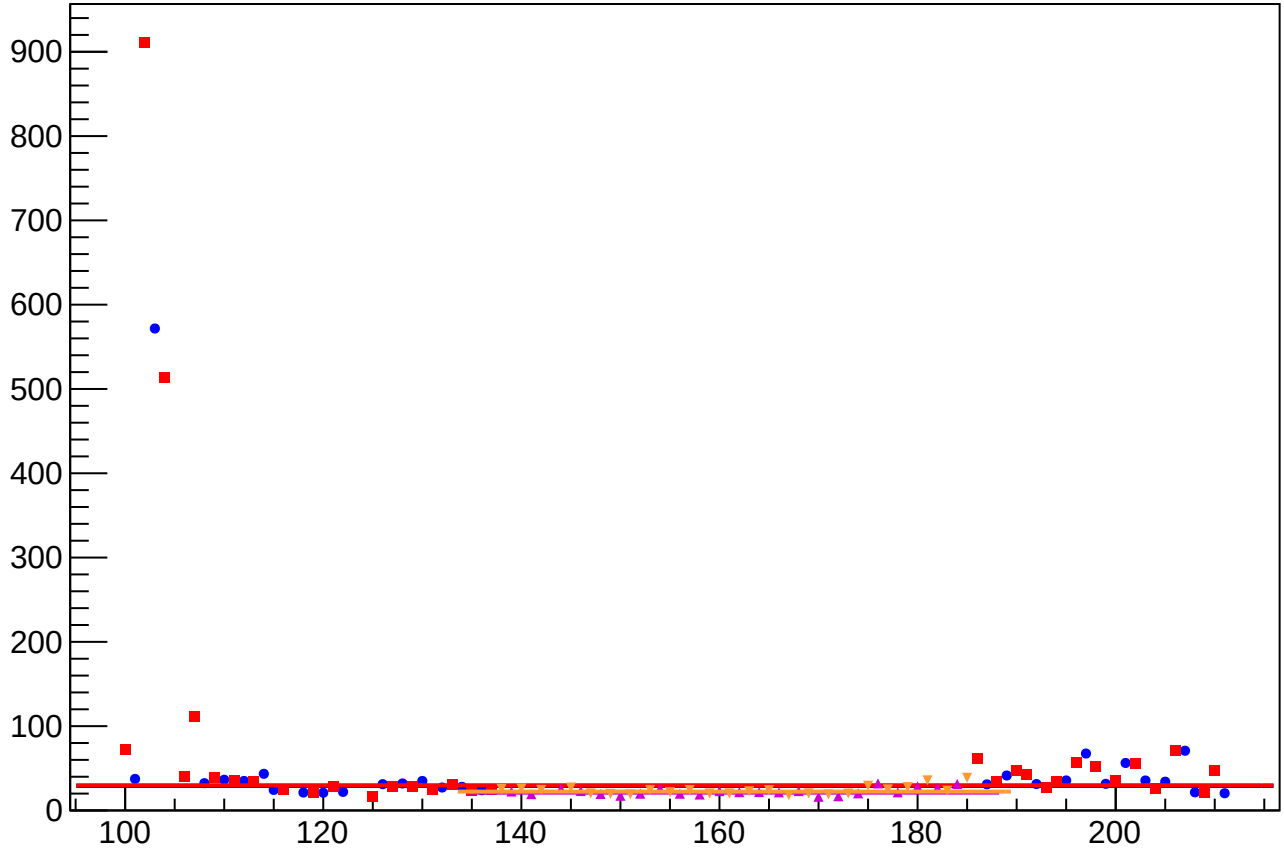
Right: -0.002+/-0.006 χ^2/NDF: 64.5/59

In: -0.004+/-0.005 χ^2/NDF:40.5/50

Out: 0.000+/-0.005 χ^2/NDF:54.8/55

All: -0.002+/-0.003 χ^2/NDF: 95.8/106

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.067+/-0.006 χ^2/NDF: 3504450.9/27

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.890+/-0.006 χ^2/NDF: 5033227.4/31

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

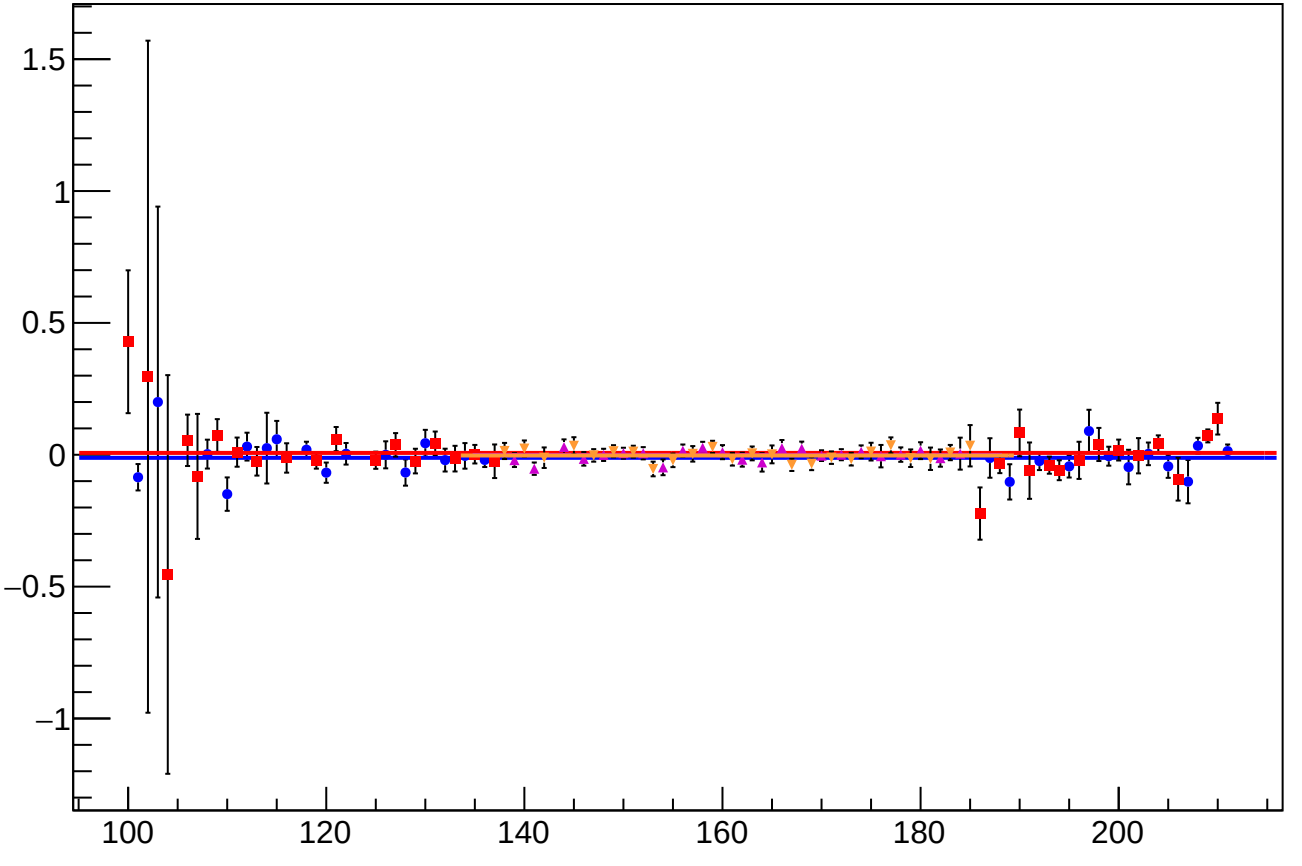
Right: 29.474+/-0.004 χ^2/NDF: 8547294.8/59

In: 23.493+/-0.003 χ^2/NDF:5600745.3/50

Out: 24.705+/-0.003 χ^2/NDF:6945559.3/55

All: 24.081+/-0.002 χ^2/NDF: 12614443.1/106

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.008 χ^2/NDF: 24.4/27

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 37.6/31

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

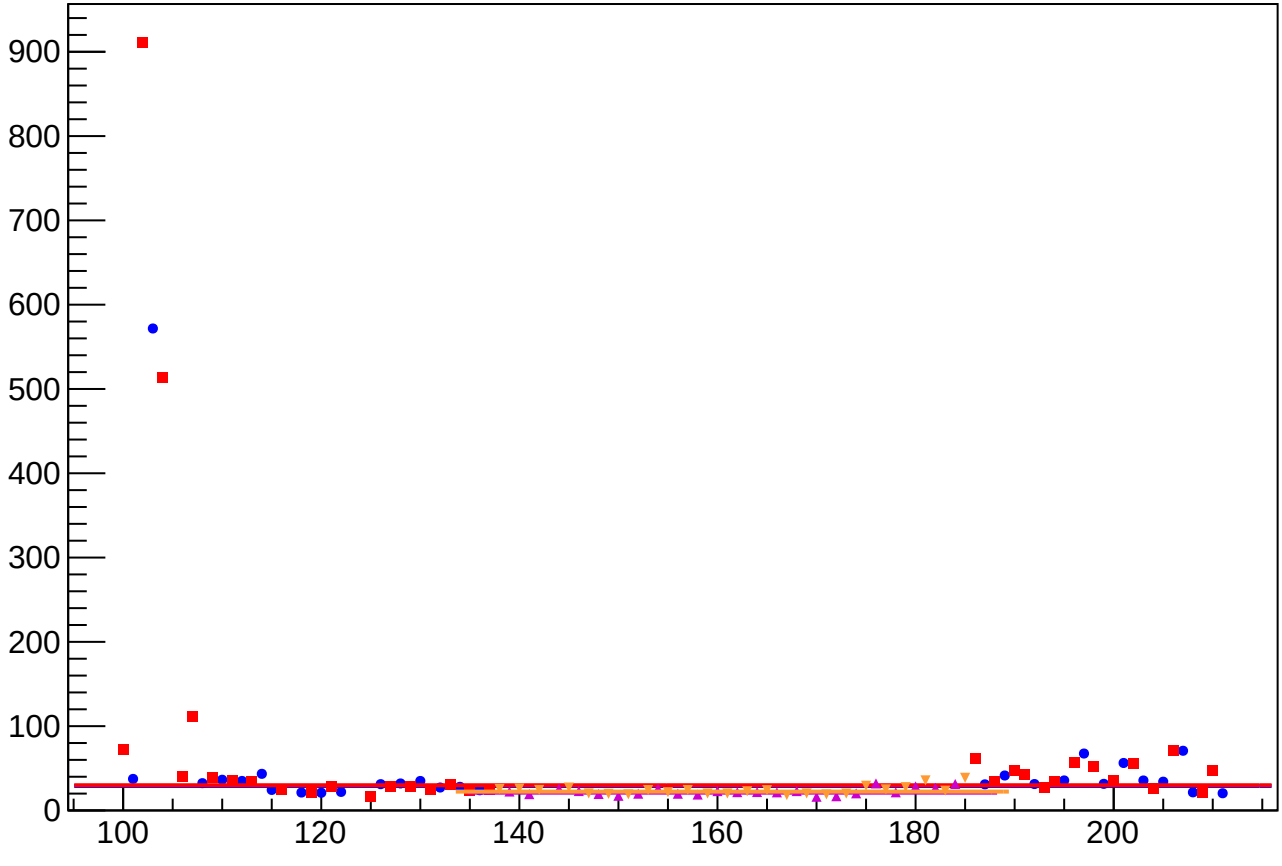
Right: -0.002+/-0.006 χ^2/NDF: 64.5/59

In: -0.004+/-0.005 χ^2/NDF:40.5/50

Out: 0.000+/-0.005 χ^2/NDF:54.8/55

All: -0.002+/-0.003 χ^2/NDF: 95.8/106

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.067+/-0.006 χ^2/NDF: 3504450.9/27

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.890+/-0.006 χ^2/NDF: 5033227.4/31

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

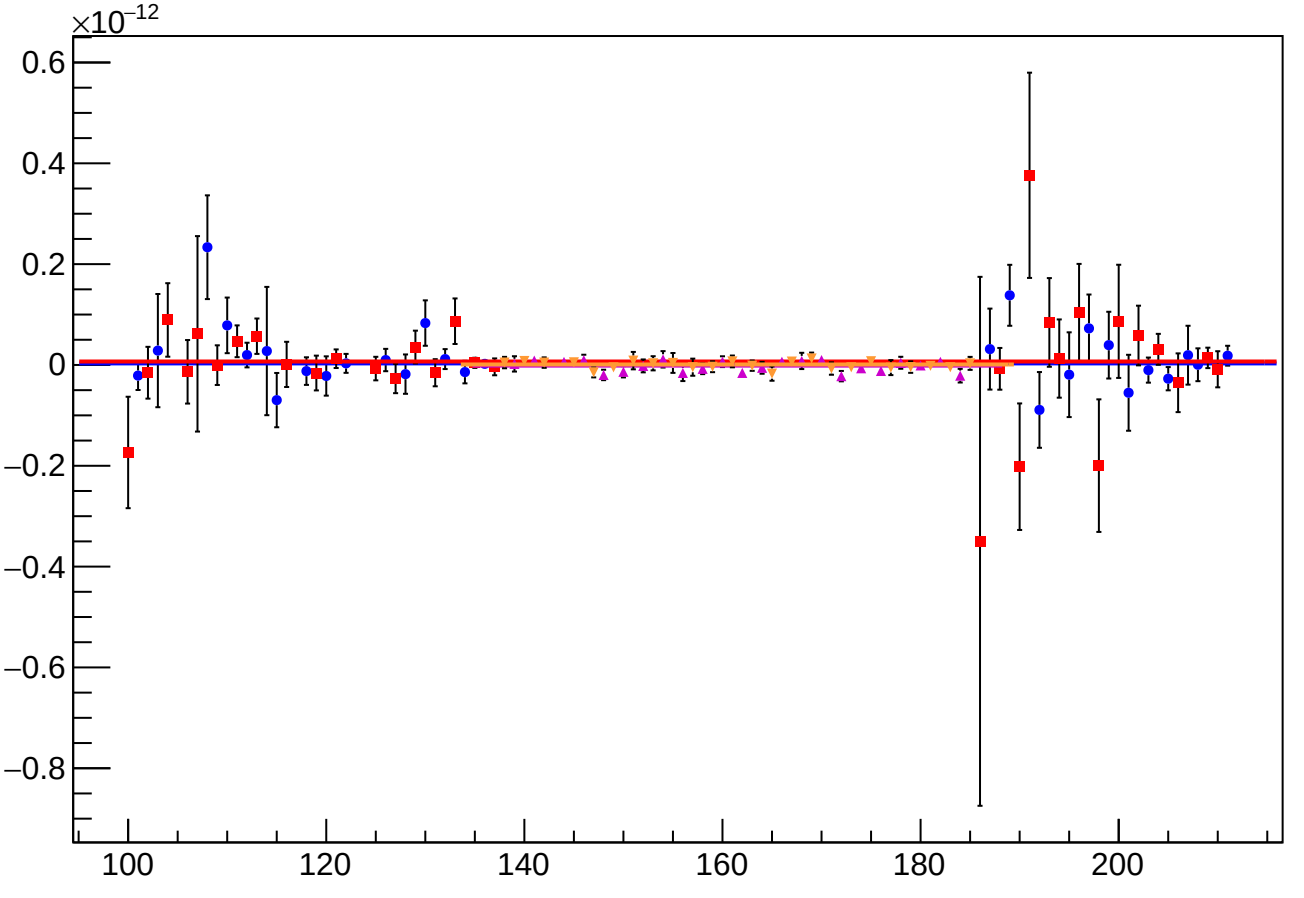
Right: 29.474+/-0.004 χ^2/NDF: 8547294.8/59

In: 23.493+/-0.003 χ^2/NDF:5600745.3/50

Out: 24.705+/-0.003 χ^2/NDF:6945559.3/55

All: 24.081+/-0.002 χ^2/NDF: 12614443.1/106

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/31

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

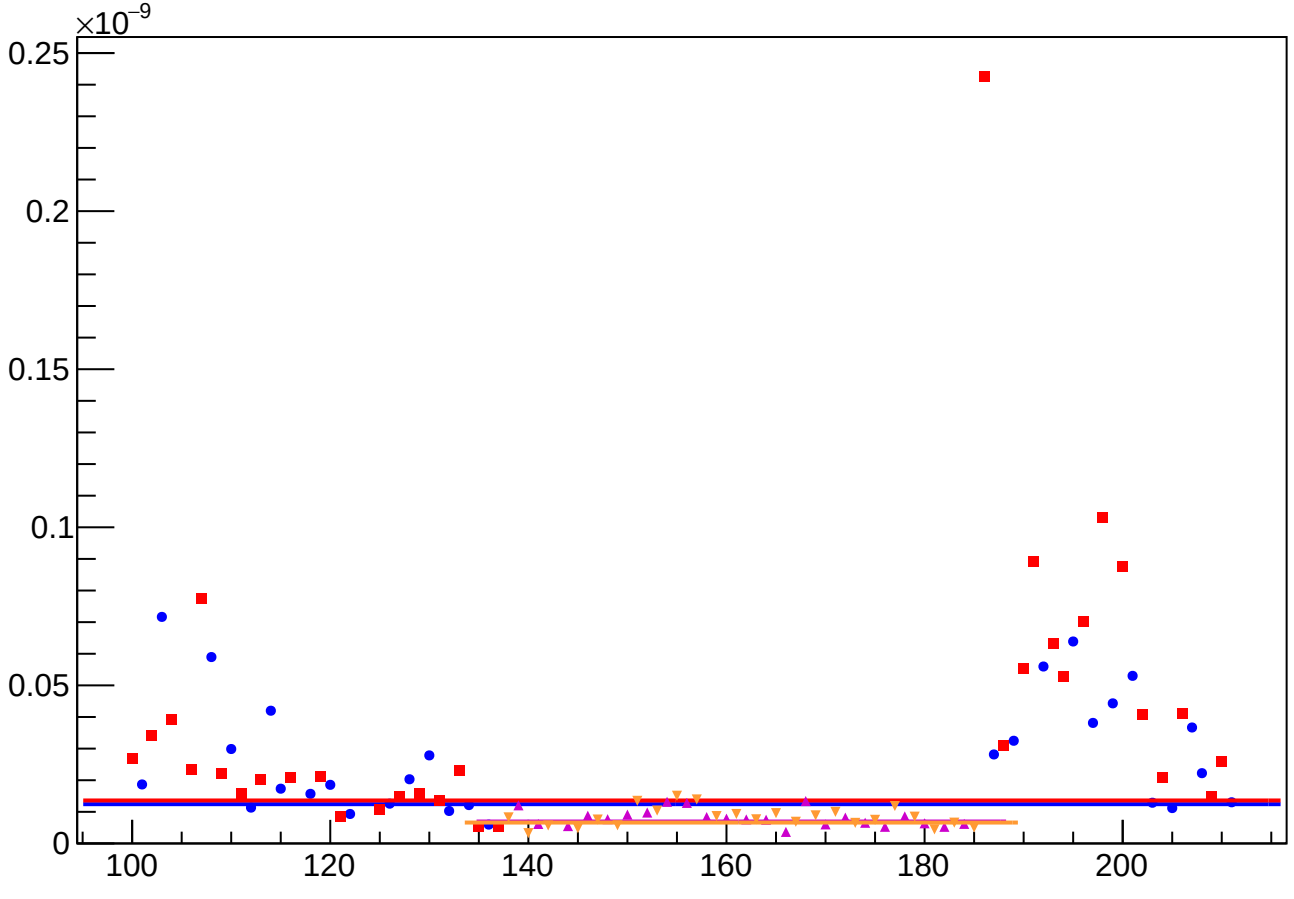
Right: 0.000+/-0.000 χ^2/NDF: 55.6/59

In: -0.000+/-0.000 χ^2/NDF:52.8/50

Out: 0.000+/-0.000 χ^2/NDF:41.5/55

All: 0.000+/-0.000 χ^2/NDF: 95.1/106

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6618156.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9353754.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

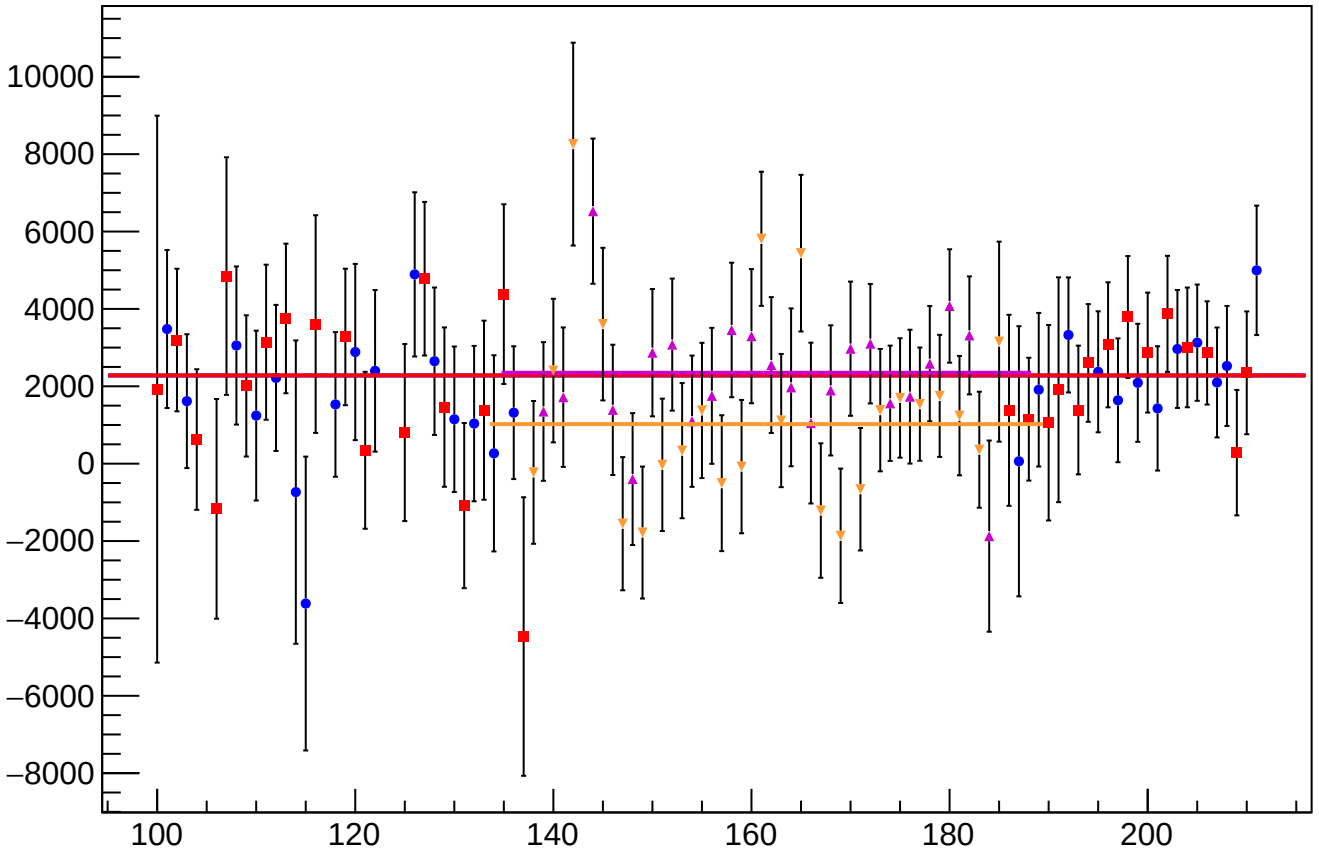
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 16021074.9/59

In: 0.000+/-0.000 χ^2/NDF:10953163.7/50

Out: 0.000+/-0.000 χ^2/NDF:15664829.3/55

All: 0.000+/-0.000 χ^2/NDF: 26641497.9/106



Right In: 2278.117+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2282.692+/-338.324 χ^2/NDF: 20.2/31

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

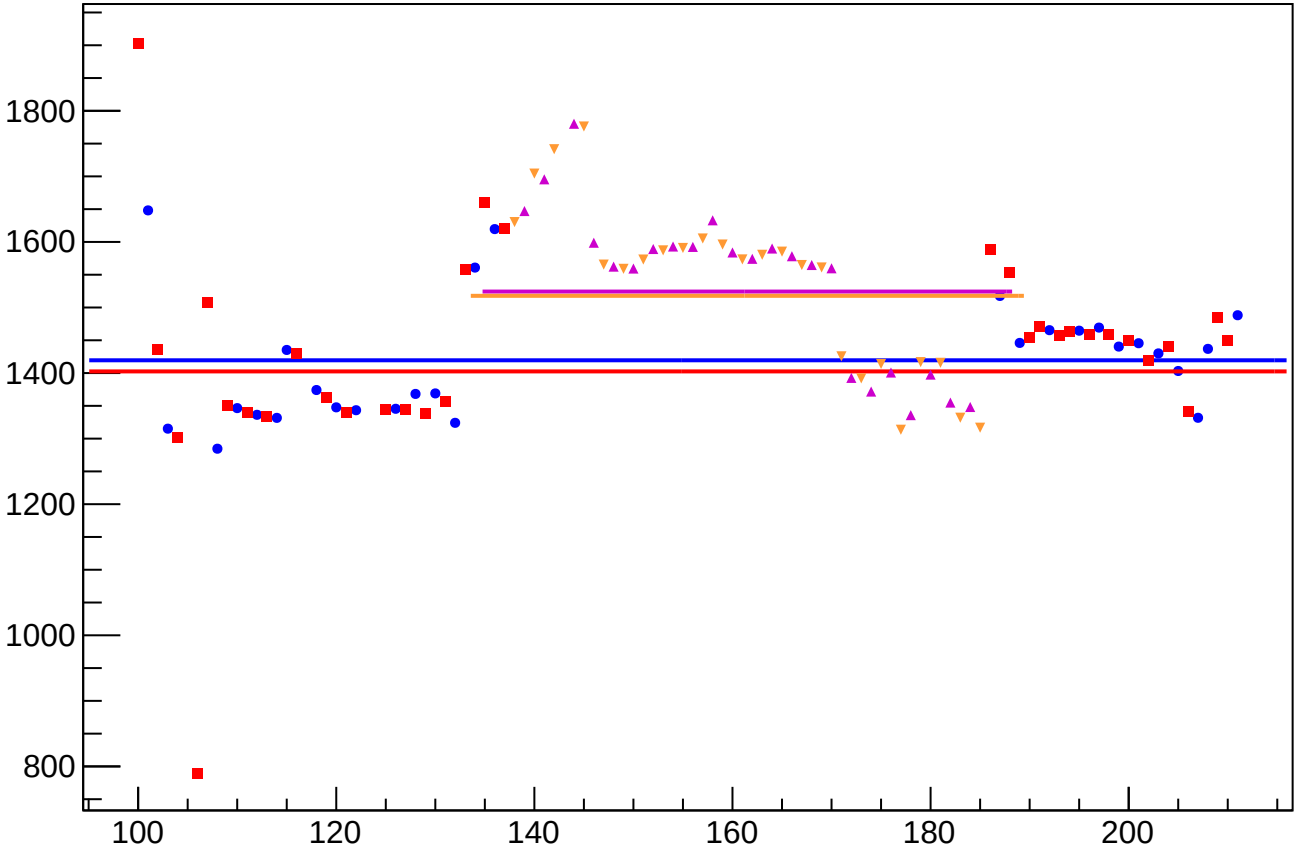
Right: 2280.475+/-242.889 χ^2/NDF: 32.1/59

In: 2312.832+/-249.553 χ^2/NDF:27.9/50

Out: 1680.202+/-244.407 χ^2/NDF:63.3/55

All: 1989.927+/-174.613 χ^2/NDF: 94.5/106

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1402.524+/-0.236 χ^2/NDF: 406627.6/31

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

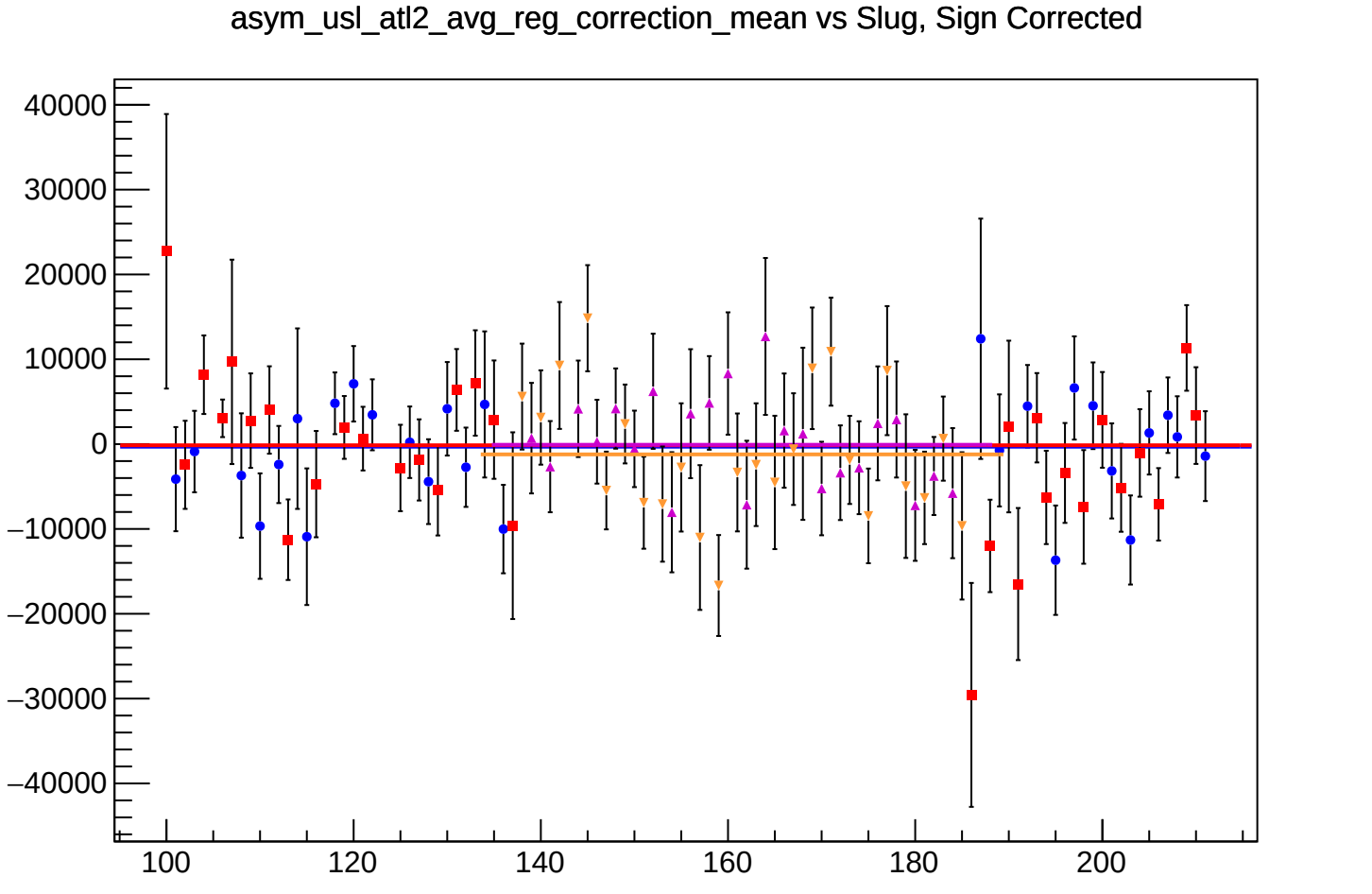
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1410.626+/-0.171 χ^2/NDF: 526296.1/59

In: 1470.688+/-0.176 χ^2/NDF:429706.9/50

Out: 1456.859+/-0.172 χ^2/NDF:753089.3/55

All: 1463.580+/-0.123 χ^2/NDF: 1185953.0/10



Right In: -303.836+/-1002.783 χ^2/NDF: 29.7/27

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -136.739+/-908.950 χ^2/NDF: 46.7/31

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

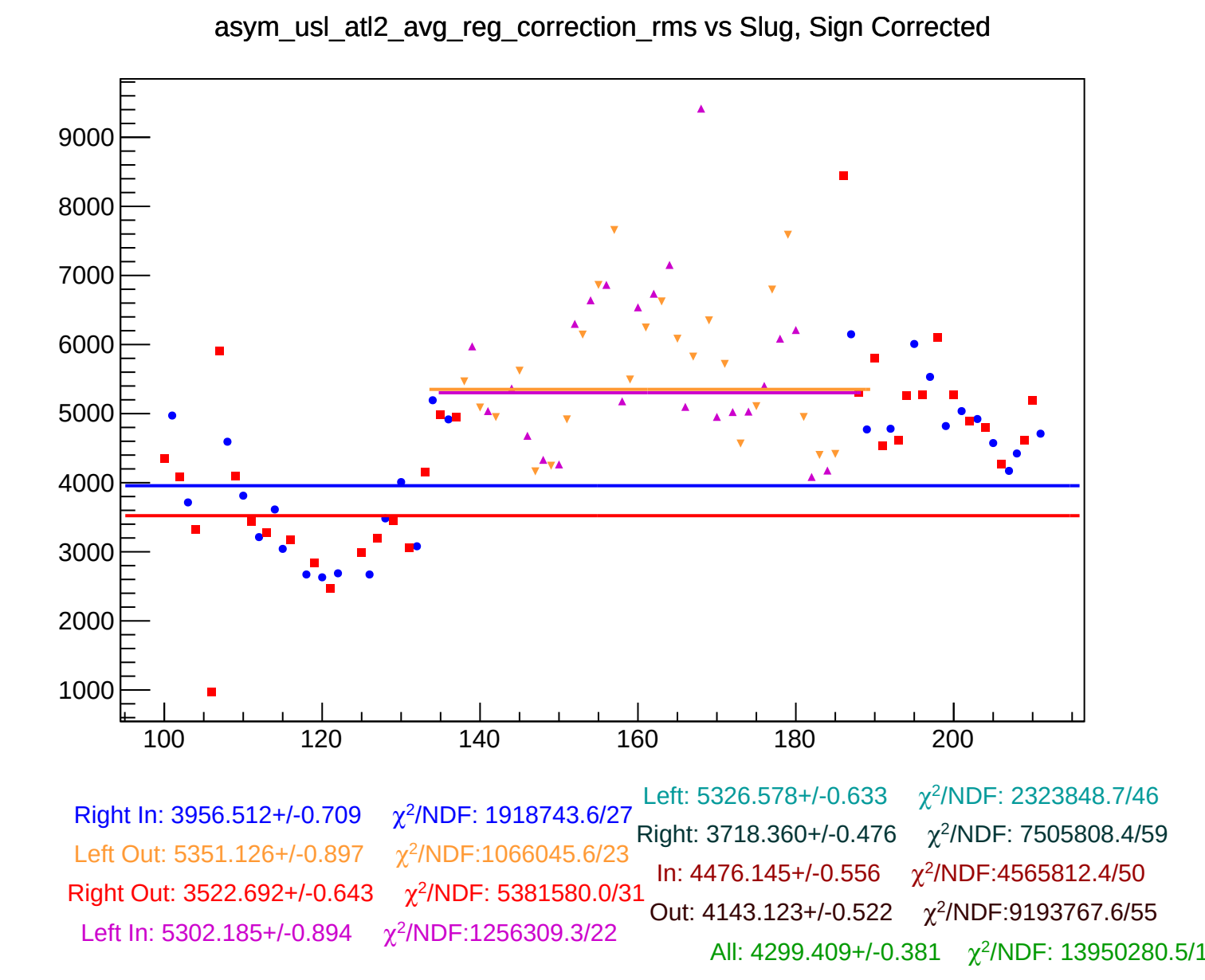
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

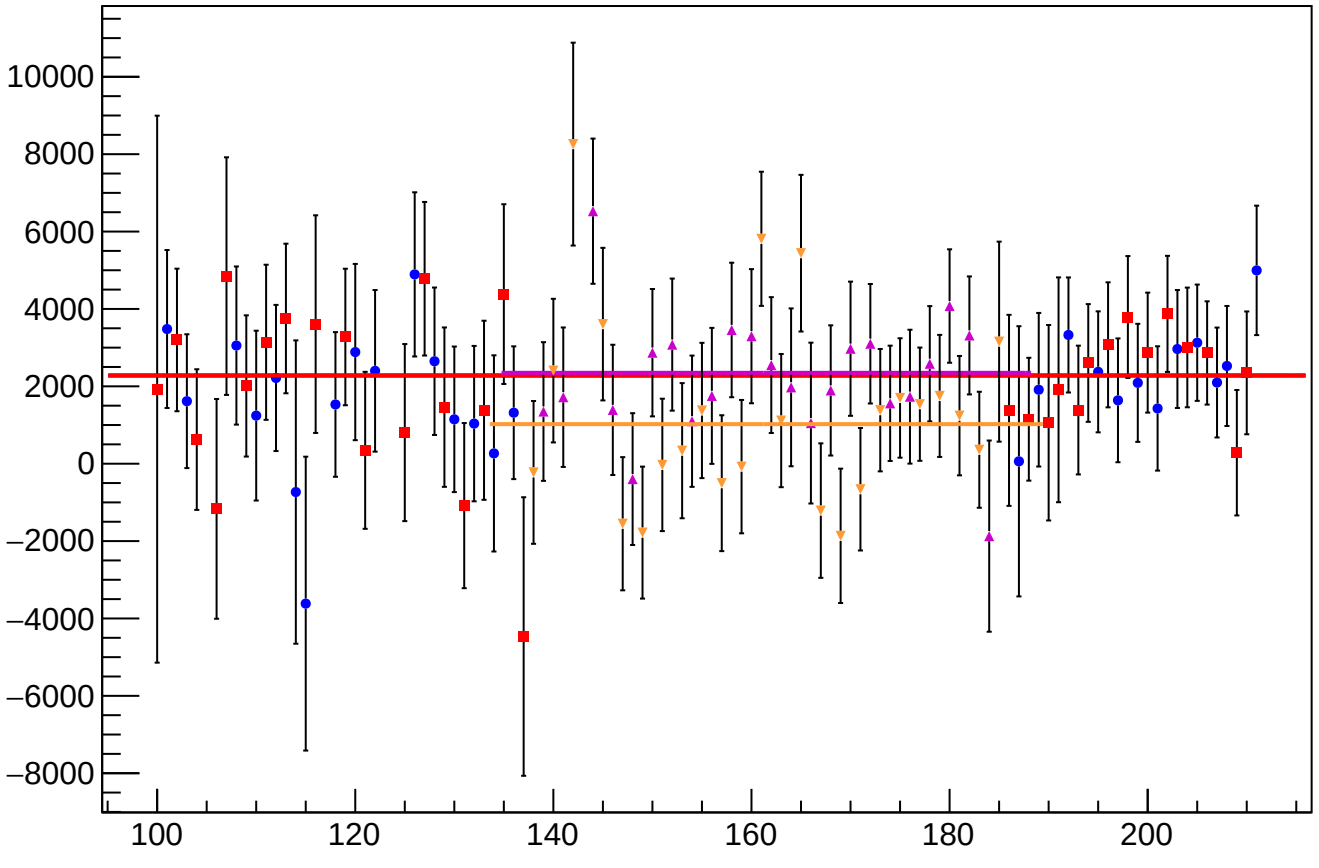
Right: -212.106+/-673.461 χ^2/NDF: 76.4/59

In: -217.703+/-785.666 χ^2/NDF:43.0/50

Out: -501.564+/-738.813 χ^2/NDF:80.4/55

All: -368.349+/-538.221 χ^2/NDF: 123.4/106


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: 3956.512+/-0.709 χ²/NDF: 1918743.6/27
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3522.692+/-0.643 χ²/NDF: 5381580.0/31
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3718.360+/-0.476 χ²/NDF: 7505808.4/59
In: 4476.145+/-0.556 χ²/NDF:4565812.4/50
Out: 4143.123+/-0.522 χ²/NDF:9193767.6/55
All: 4299.409+/-0.381 χ²/NDF: 13950280.5/1



Right In: 2278.090+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2282.763+/-338.325 χ^2/NDF: 20.2/31

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

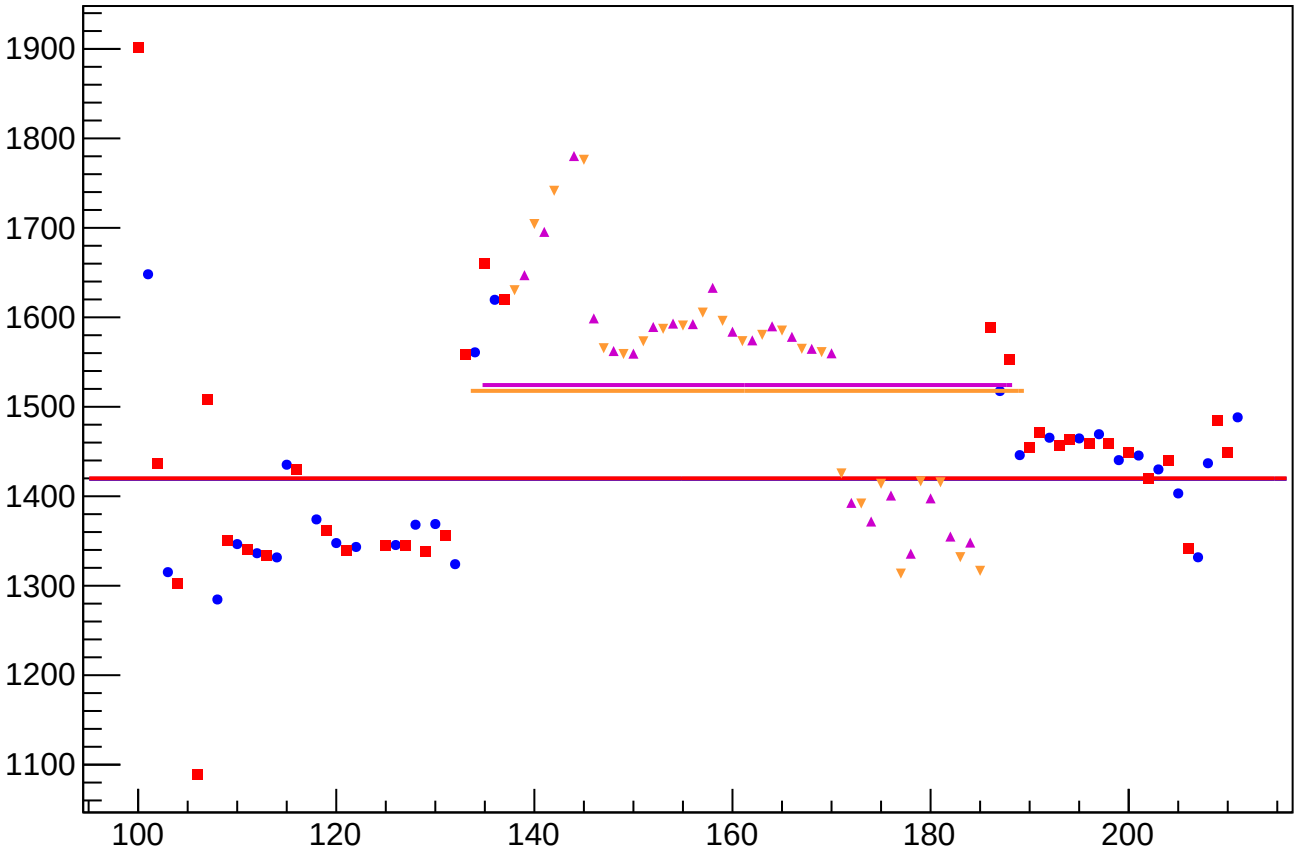
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2280.498+/-242.890 χ^2/NDF: 32.1/59

In: 2312.817+/-249.553 χ^2/NDF:27.9/50

Out: 1680.252+/-244.407 χ^2/NDF:63.3/55

All: 1989.946+/-174.613 χ^2/NDF: 94.5/106



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1420.016+/-0.238 χ^2/NDF: 169782.8/31

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

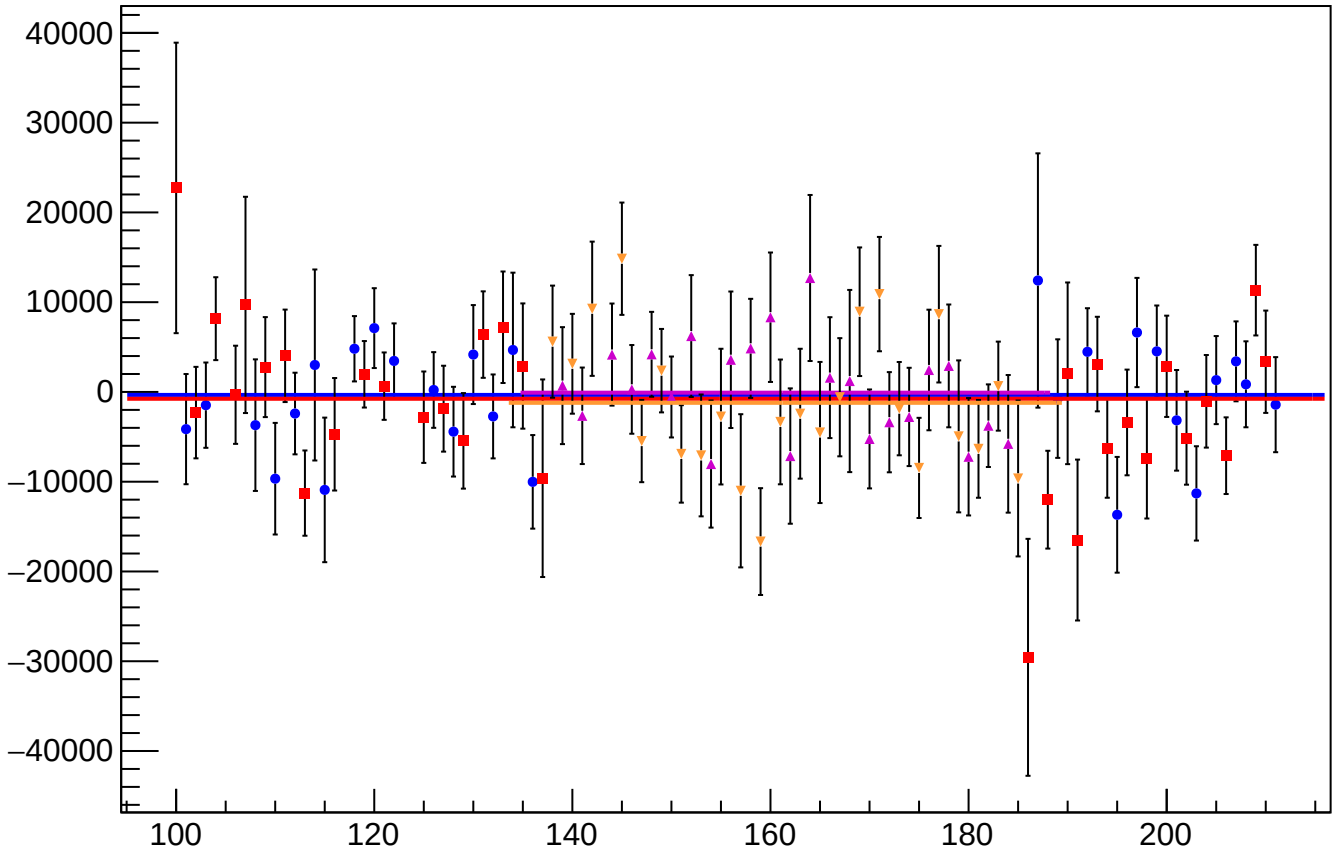
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1419.759+/-0.171 χ^2/NDF: 286986.0/59

In: 1470.688+/-0.176 χ^2/NDF:429707.0/50

Out: 1466.498+/-0.172 χ^2/NDF:484084.4/55

All: 1468.543+/-0.123 χ^2/NDF: 914080.0/106



Right In: -331.196+/-1002.326 χ^2/NDF: 29.8/27

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -760.900+/-979.831 χ^2/NDF: 44.2/31

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

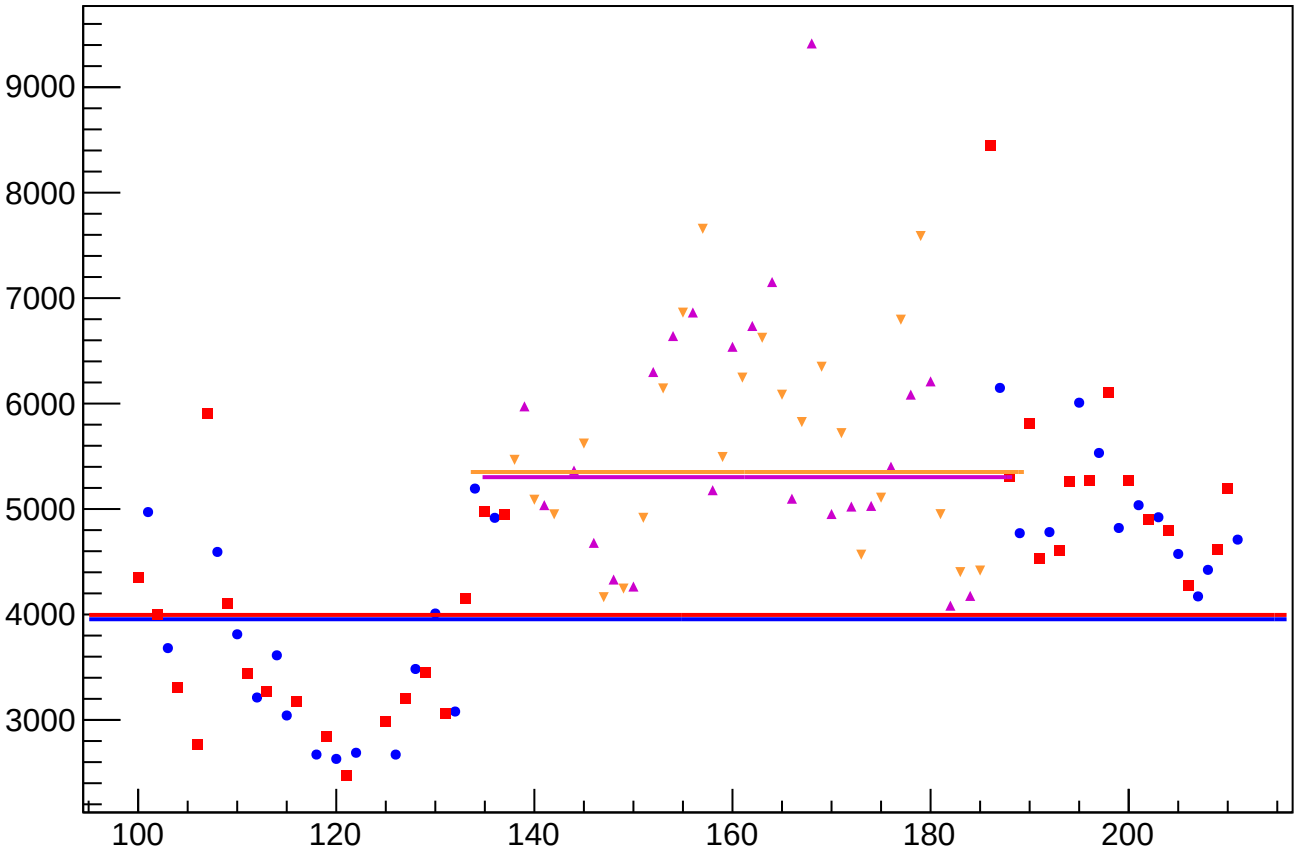
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -550.924+/-700.663 χ^2/NDF: 74.1/59

In: -234.516+/-785.445 χ^2/NDF:43.0/50

Out: -929.460+/-775.394 χ^2/NDF:77.5/55

All: -586.463+/-551.806 χ^2/NDF: 121.0/106



Right In: 3954.784+/-0.709 χ^2/NDF: 1920288.9/27

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3995.810+/-0.693 χ^2/NDF: 2287806.1/31

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

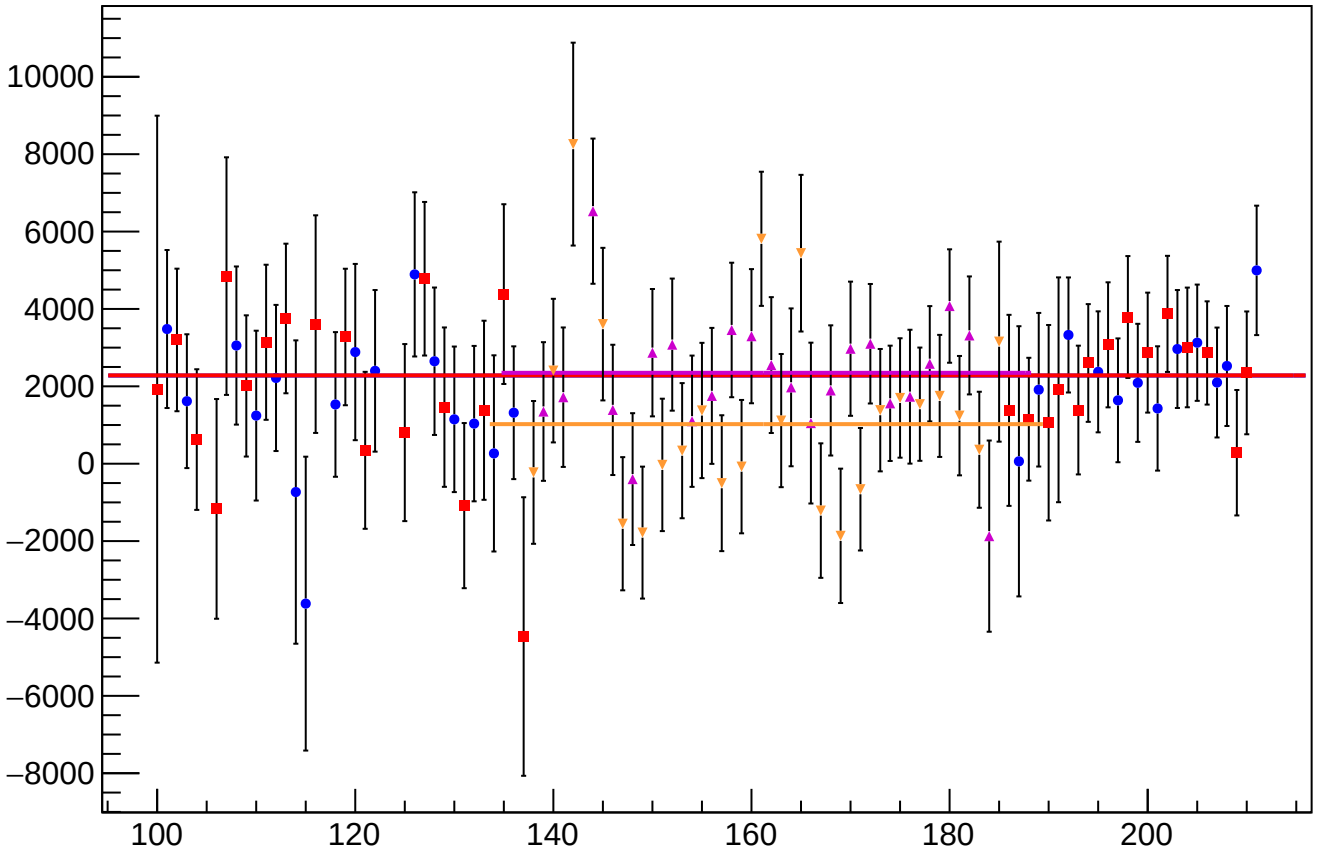
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3975.763+/-0.495 χ^2/NDF: 4209808.4/59

In: 4474.790+/-0.555 χ^2/NDF:4571423.3/50

Out: 4502.372+/-0.548 χ^2/NDF:4784062.4/55

All: 4488.759+/-0.390 χ^2/NDF: 9356734.7/10



Right In: 2278.090+/-348.915 χ^2/NDF: 11.9/27

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2282.763+/-338.325 χ^2/NDF: 20.2/31

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

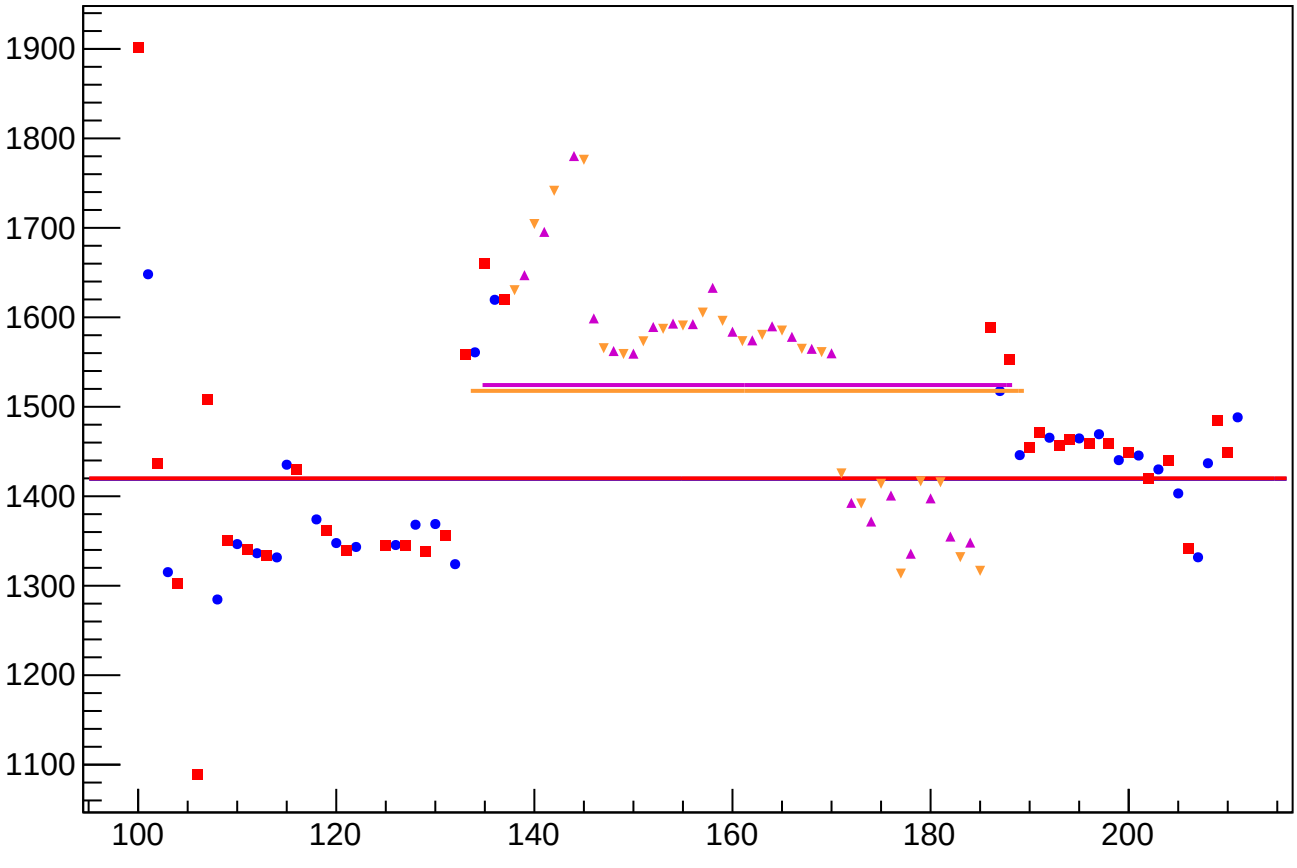
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2280.498+/-242.890 χ^2/NDF: 32.1/59

In: 2312.817+/-249.553 χ^2/NDF:27.9/50

Out: 1680.252+/-244.407 χ^2/NDF:63.3/55

All: 1989.946+/-174.613 χ^2/NDF: 94.5/106



Right In: 1419.483+/-0.247 χ^2/NDF: 117200.8/27

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1420.016+/-0.238 χ^2/NDF: 169782.8/31

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

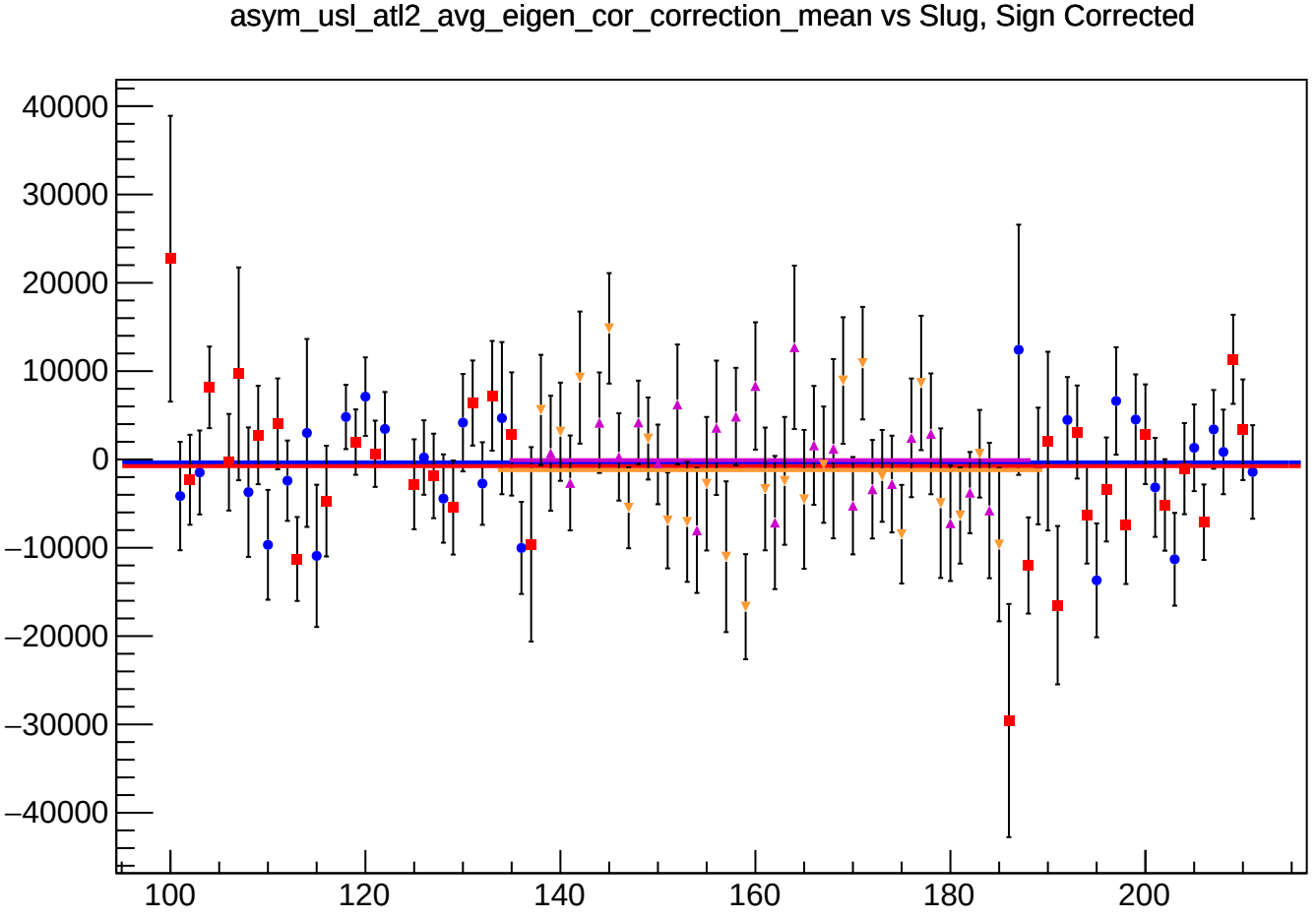
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1419.759+/-0.171 χ^2/NDF: 286986.0/59

In: 1470.688+/-0.176 χ^2/NDF:429707.0/50

Out: 1466.498+/-0.172 χ^2/NDF:484084.4/55

All: 1468.543+/-0.123 χ^2/NDF: 914080.0/106



Right In: -331.196+/-1002.326 χ^2/NDF: 29.8/27

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -760.900+/-979.831 χ^2/NDF: 44.2/31

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

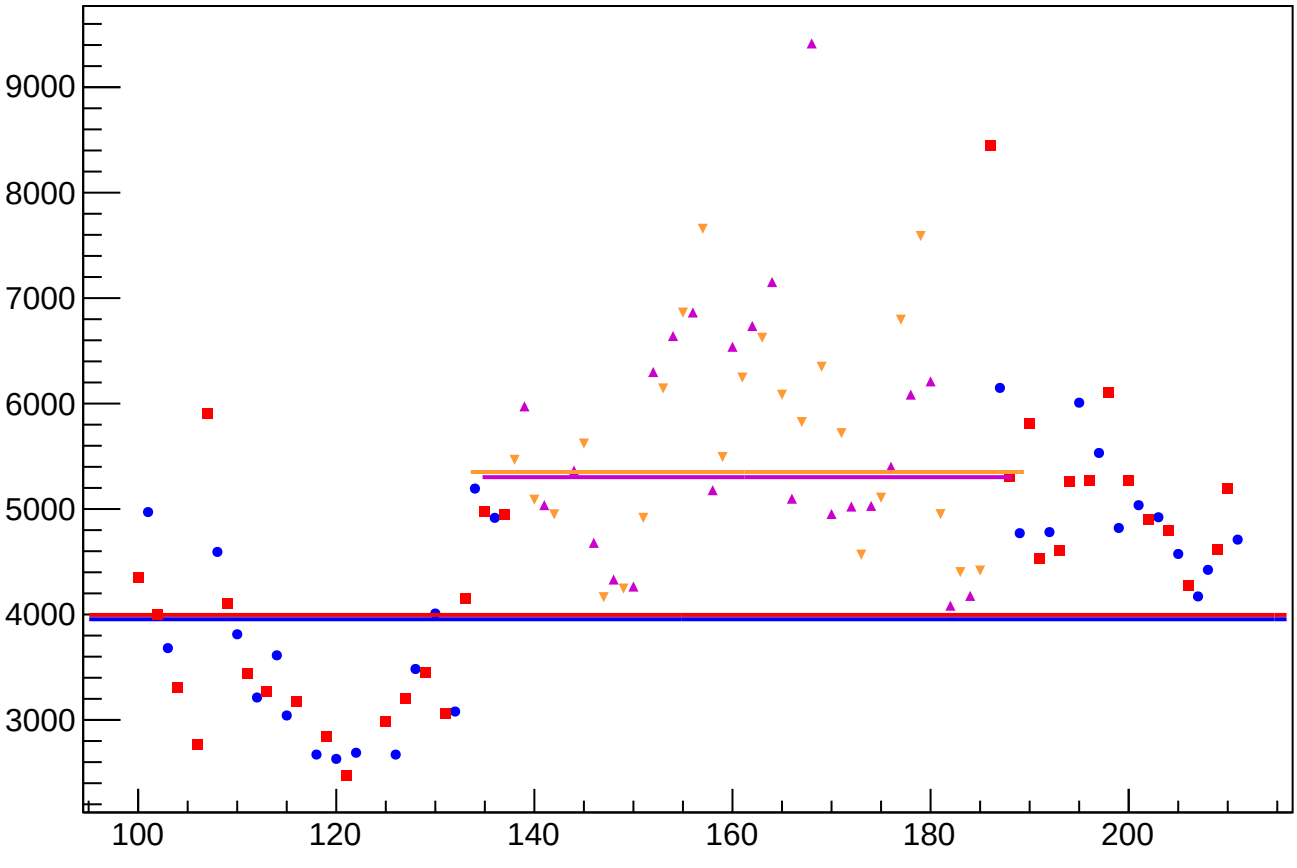
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -550.924+/-700.663 χ^2/NDF: 74.1/59

In: -234.516+/-785.445 χ^2/NDF:43.0/50

Out: -929.460+/-775.394 χ^2/NDF:77.5/55

All: -586.463+/-551.806 χ^2/NDF: 121.0/106



Right In: 3954.784+/-0.709 χ^2/NDF: 1920288.9/27

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3995.810+/-0.693 χ^2/NDF: 2287806.1/31

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

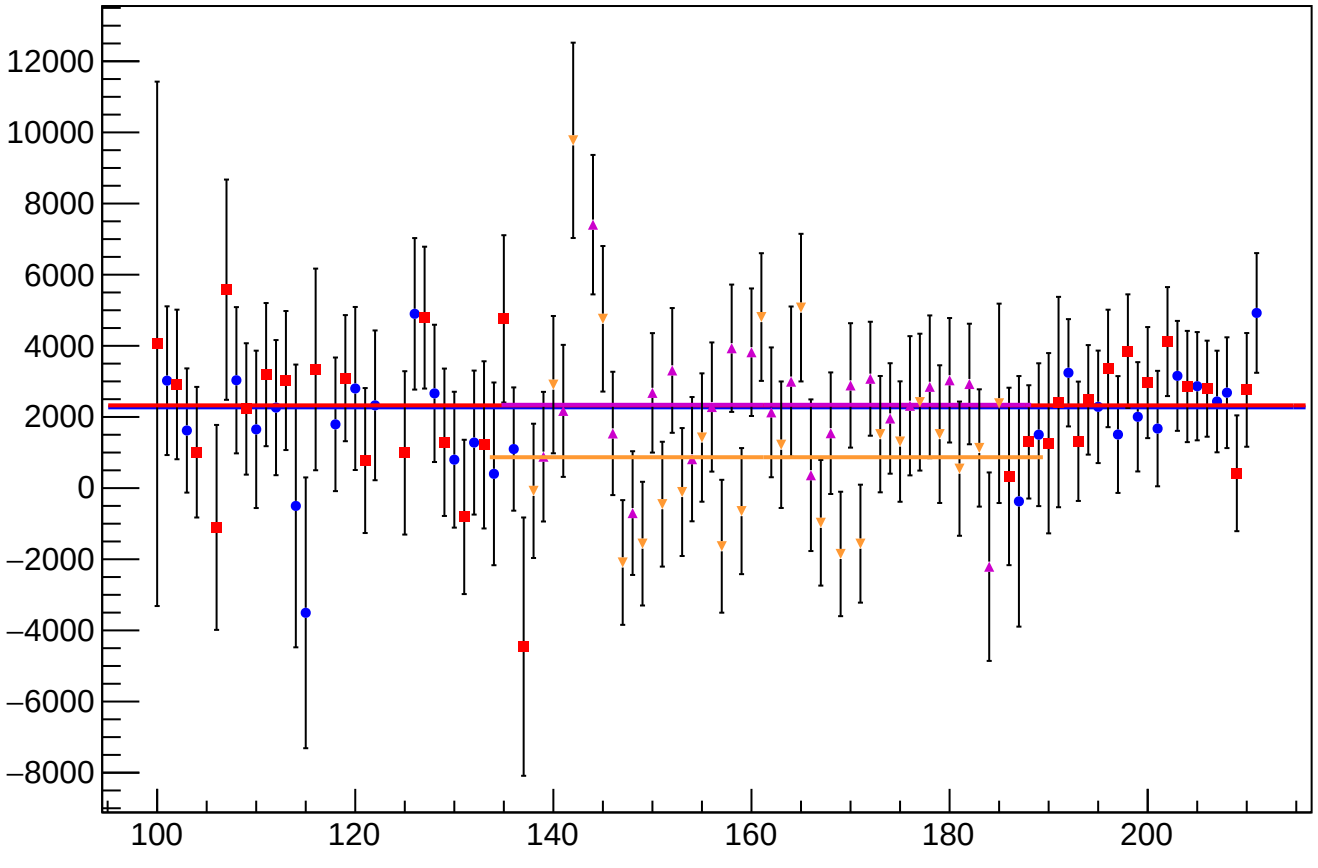
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3975.763+/-0.495 χ^2/NDF: 4209808.4/59

In: 4474.790+/-0.555 χ^2/NDF:4571423.3/50

Out: 4502.372+/-0.548 χ^2/NDF:4784062.4/55

All: 4488.759+/-0.390 χ^2/NDF: 9356734.7/10



Right In: 2270.794+/-352.512 χ^2/NDF: 11.3/27

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2326.286+/-342.995 χ^2/NDF: 19.5/31

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

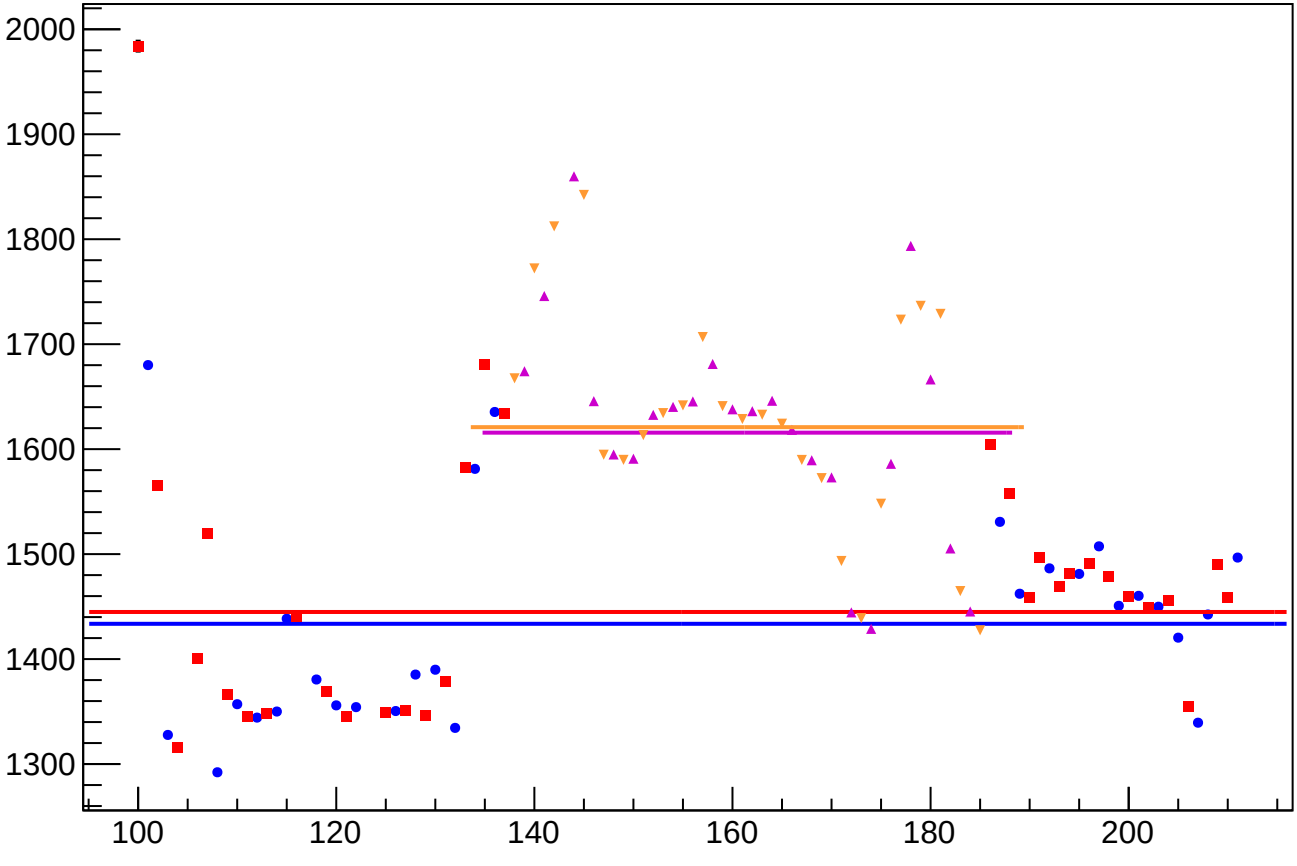
Right: 2299.299+/-245.830 χ^2/NDF: 30.9/59

In: 2304.046+/-257.840 χ^2/NDF:29.4/50

Out: 1666.396+/-253.761 χ^2/NDF:67.4/55

All: 1980.137+/-180.861 χ^2/NDF: 99.9/106

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1433.606+/-0.249 χ^2/NDF: 125929.2/27

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1444.874+/-0.242 χ^2/NDF: 131298.3/31

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

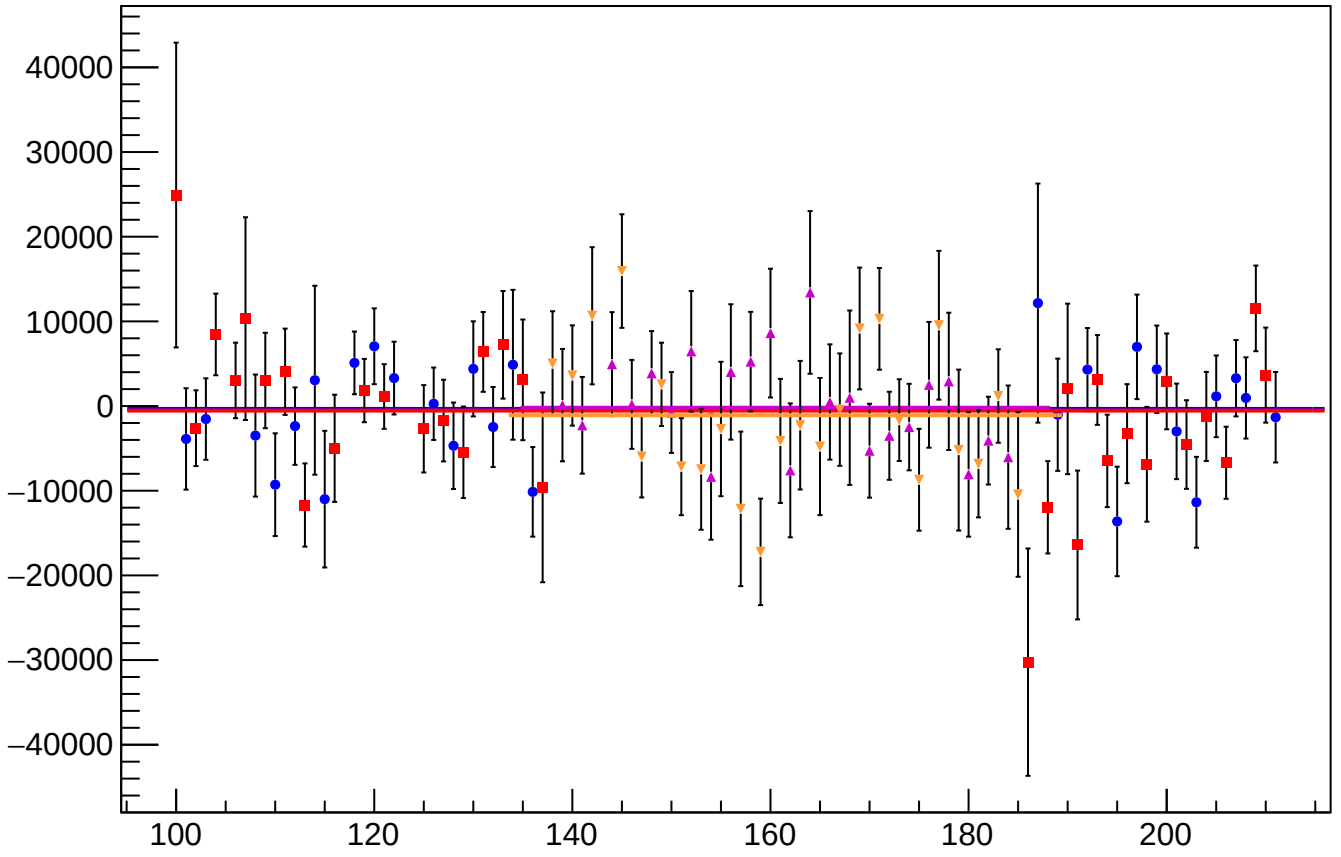
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1439.401+/-0.174 χ^2/NDF: 258278.2/59

In: 1518.283+/-0.182 χ^2/NDF:511238.2/50

Out: 1524.472+/-0.179 χ^2/NDF:512079.8/55

All: 1521.429+/-0.128 χ^2/NDF: 1023903.9/10



Right In: -339.118+/-1011.367 χ^2/NDF: 29.3/27

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -532.687+/-973.984 χ^2/NDF: 44.9/31

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

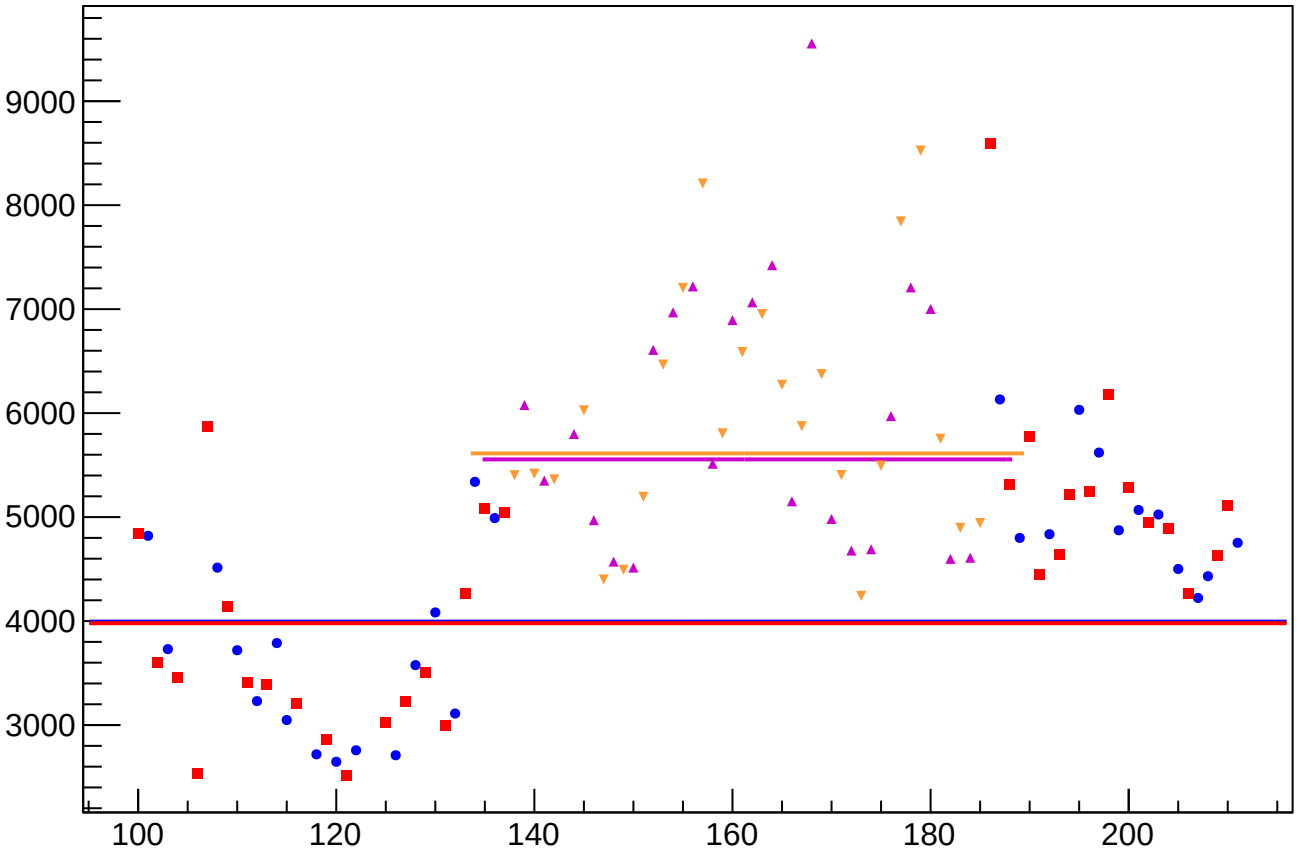
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -439.546+/-701.554 χ^2/NDF: 74.2/59

In: -288.572+/-804.196 χ^2/NDF:42.2/50

Out: -724.073+/-786.300 χ^2/NDF:78.0/55

All: -511.222+/-562.219 χ^2/NDF: 120.3/106



Right In: 3994.640+/-0.715 χ^2/NDF: 1867712.1/27

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3979.213+/-0.689 χ^2/NDF: 2370282.5/31

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

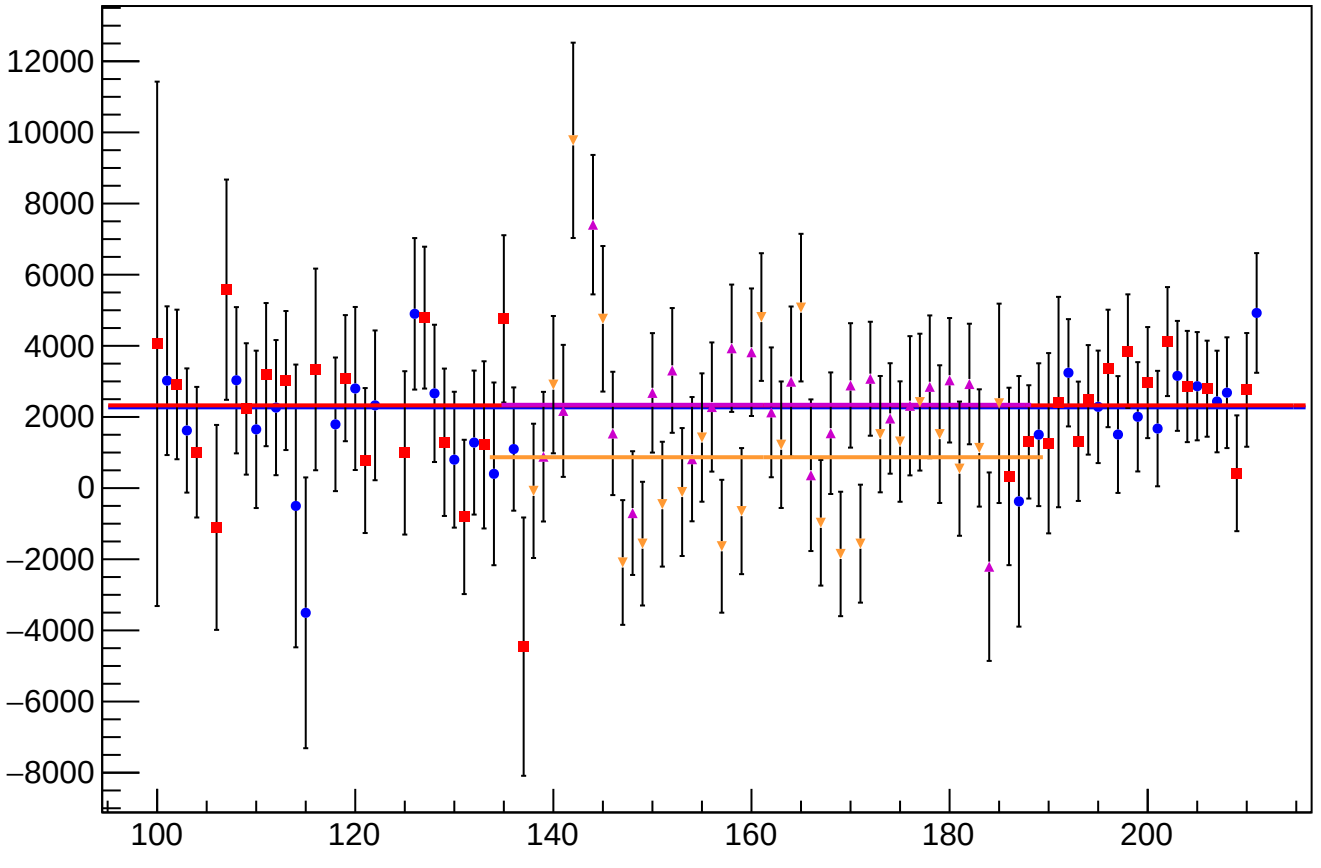
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3986.636+/-0.496 χ^2/NDF: 4238236.0/59

In: 4568.396+/-0.569 χ^2/NDF:4951110.1/50

Out: 4548.105+/-0.556 χ^2/NDF:5517603.7/55

All: 4558.022+/-0.398 χ^2/NDF: 10469364.8/1



Right In: 2270.795+/-352.512 χ^2/NDF: 11.3/27

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2326.283+/-342.995 χ^2/NDF: 19.5/31

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

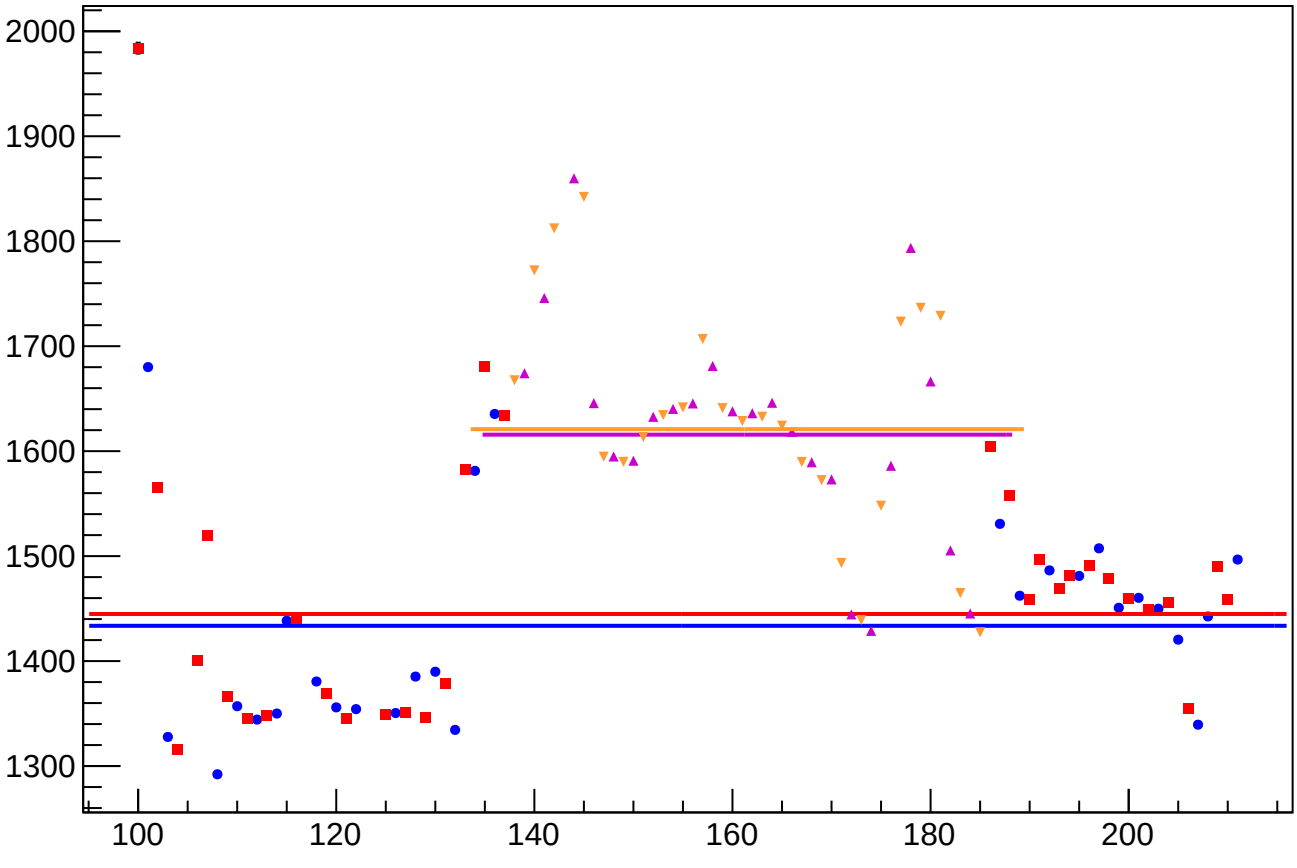
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2299.298+/-245.830 χ^2/NDF: 30.9/59

In: 2304.046+/-257.840 χ^2/NDF:29.4/50

Out: 1666.392+/-253.761 χ^2/NDF:67.4/55

All: 1980.135+/-180.861 χ^2/NDF: 99.9/106



Right In: 1433.606+/-0.249 χ^2/NDF: 125929.2/27

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1444.874+/-0.242 χ^2/NDF: 131298.5/31

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

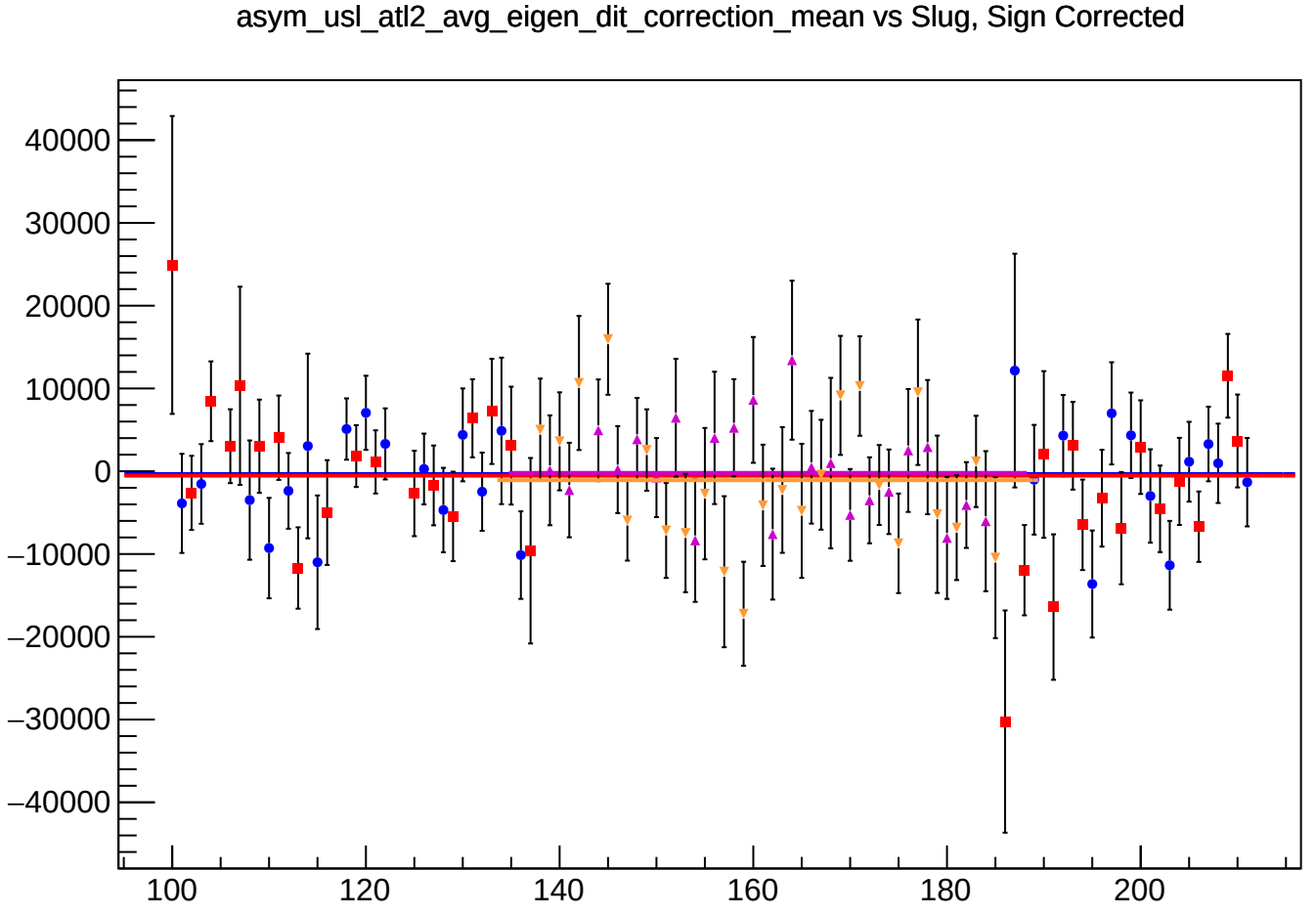
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1439.401+/-0.174 χ^2/NDF: 258278.4/59

In: 1518.283+/-0.182 χ^2/NDF:511245.8/50

Out: 1524.473+/-0.179 χ^2/NDF:512088.3/55

All: 1521.429+/-0.128 χ^2/NDF: 1023920.0/10



Right In: -339.113+/-1011.367 χ^2/NDF: 29.3/27

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -532.681+/-973.983 χ^2/NDF: 44.9/31

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

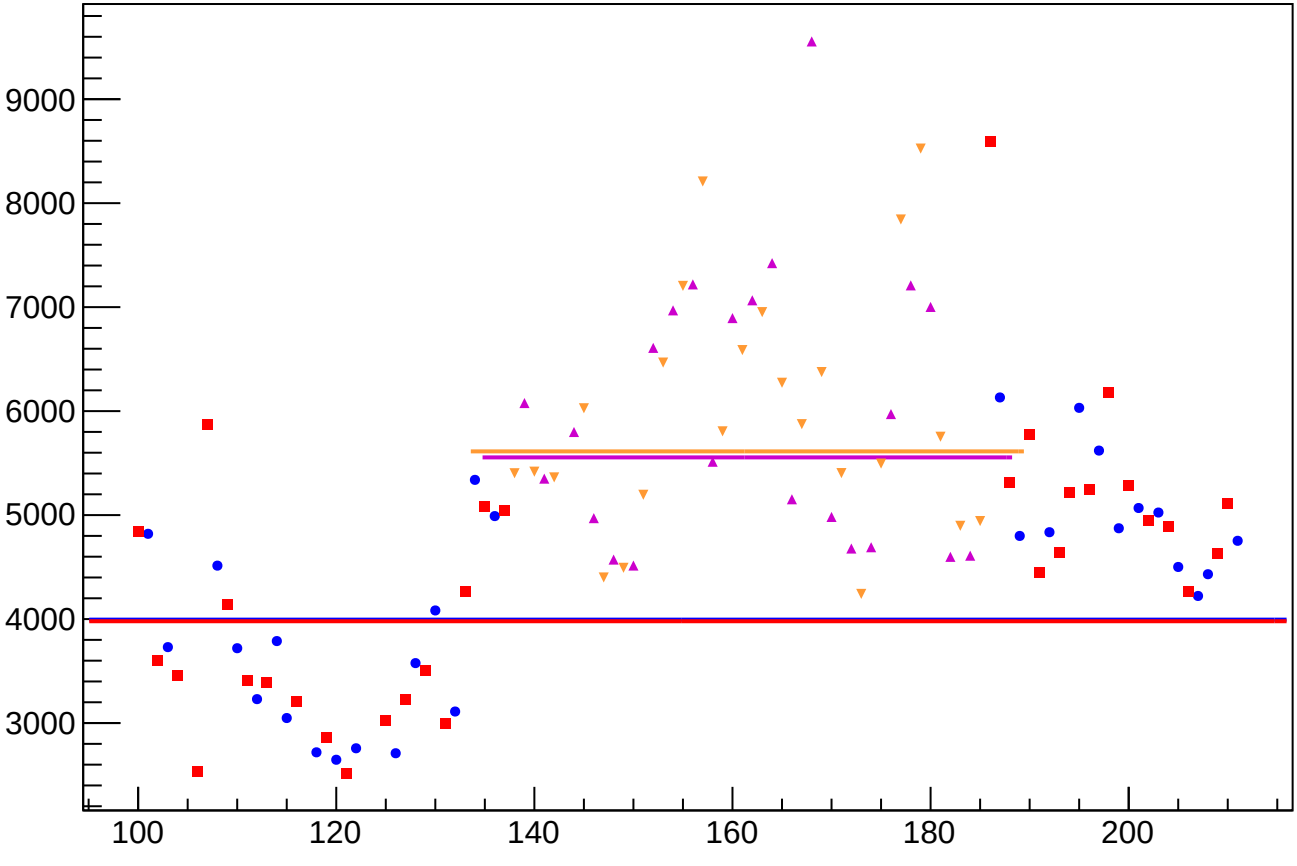
Right: -439.541+/-701.554 χ^2/NDF: 74.2/59

In: -288.569+/-804.196 χ^2/NDF:42.2/50

Out: -724.070+/-786.300 χ^2/NDF:78.0/55

All: -511.219+/-562.219 χ^2/NDF: 120.3/106

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3994.635+/-0.715 χ^2/NDF: 1867749.7/27

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3979.207+/-0.689 χ^2/NDF: 2370315.0/31

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

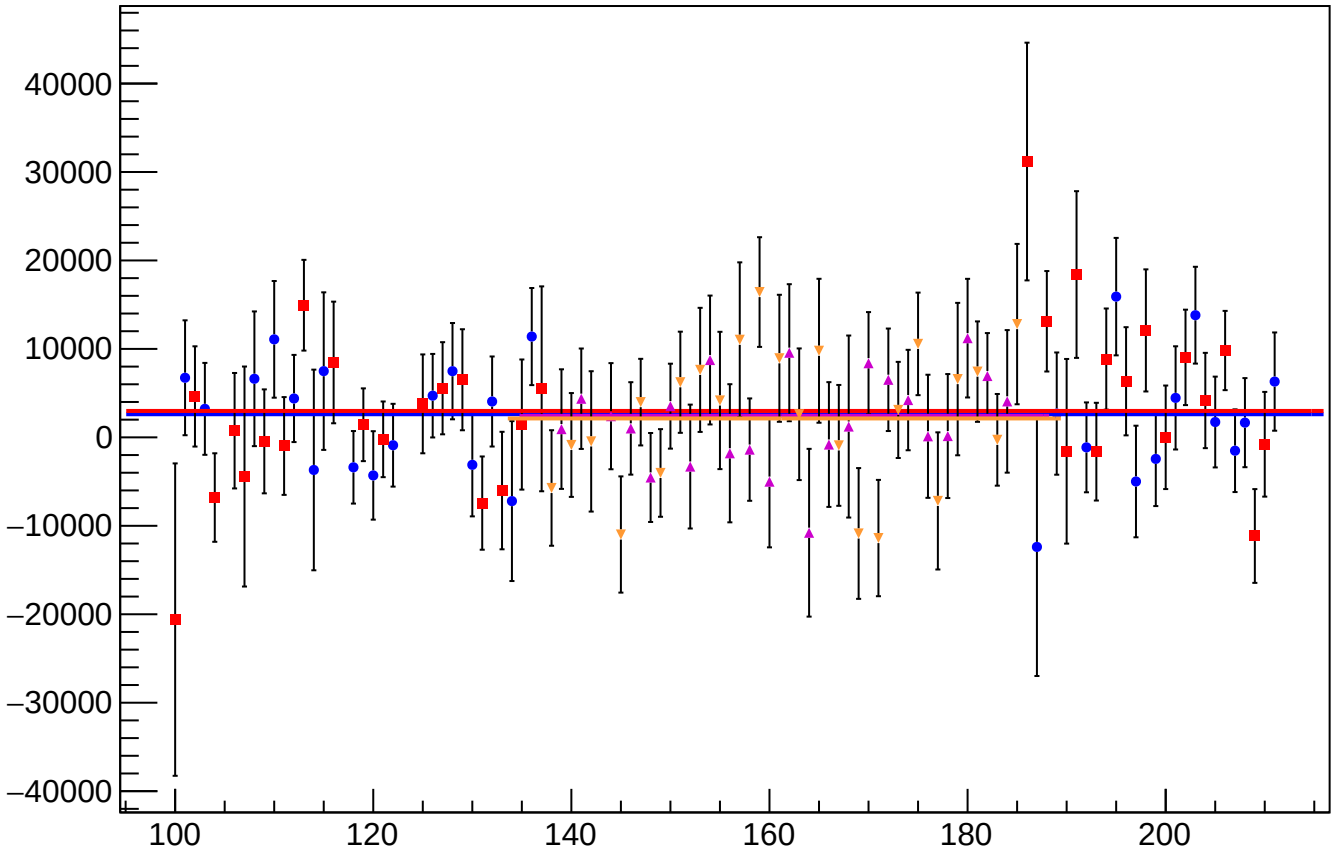
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3986.630+/-0.496 χ^2/NDF: 4238306.1/59

In: 4568.394+/-0.569 χ^2/NDF:4951177.6/50

Out: 4548.102+/-0.556 χ^2/NDF:5517670.7/55

All: 4558.020+/-0.398 χ^2/NDF: 10469499.3/1



Right In: 2613.947+/-1074.900 χ^2/NDF: 27.0/27

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2986.047+/-1052.351 χ^2/NDF: 45.9/31

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

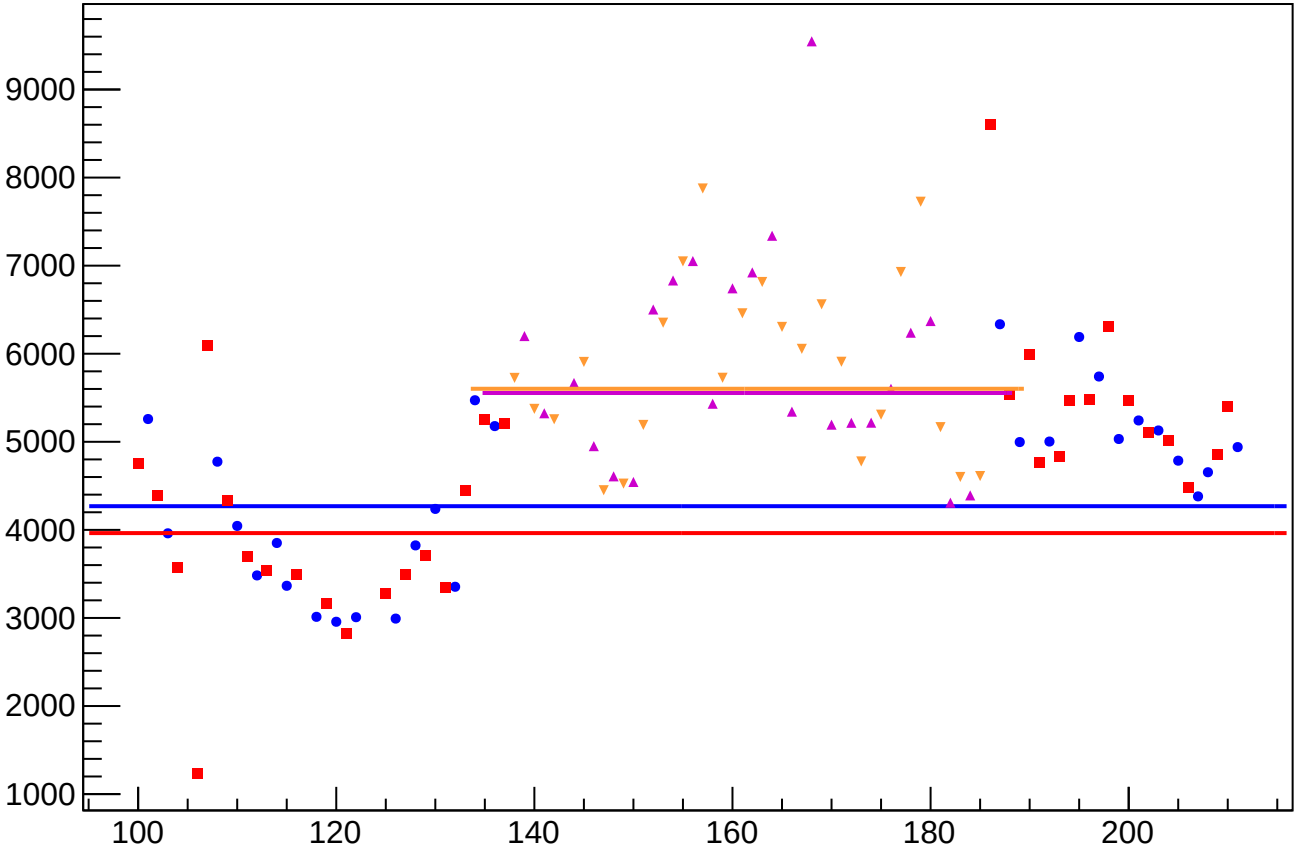
Right: 2803.941+/-751.970 χ^2/NDF: 73.0/59

In: 2539.903+/-833.774 χ^2/NDF:39.9/50

Out: 2657.888+/-823.916 χ^2/NDF:76.9/55

All: 2599.597+/-586.051 χ^2/NDF: 116.8/106

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4268.929+/-0.760 χ^2/NDF: 1512595.1/27

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3963.498+/-0.706 χ^2/NDF: 3882217.7/31

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

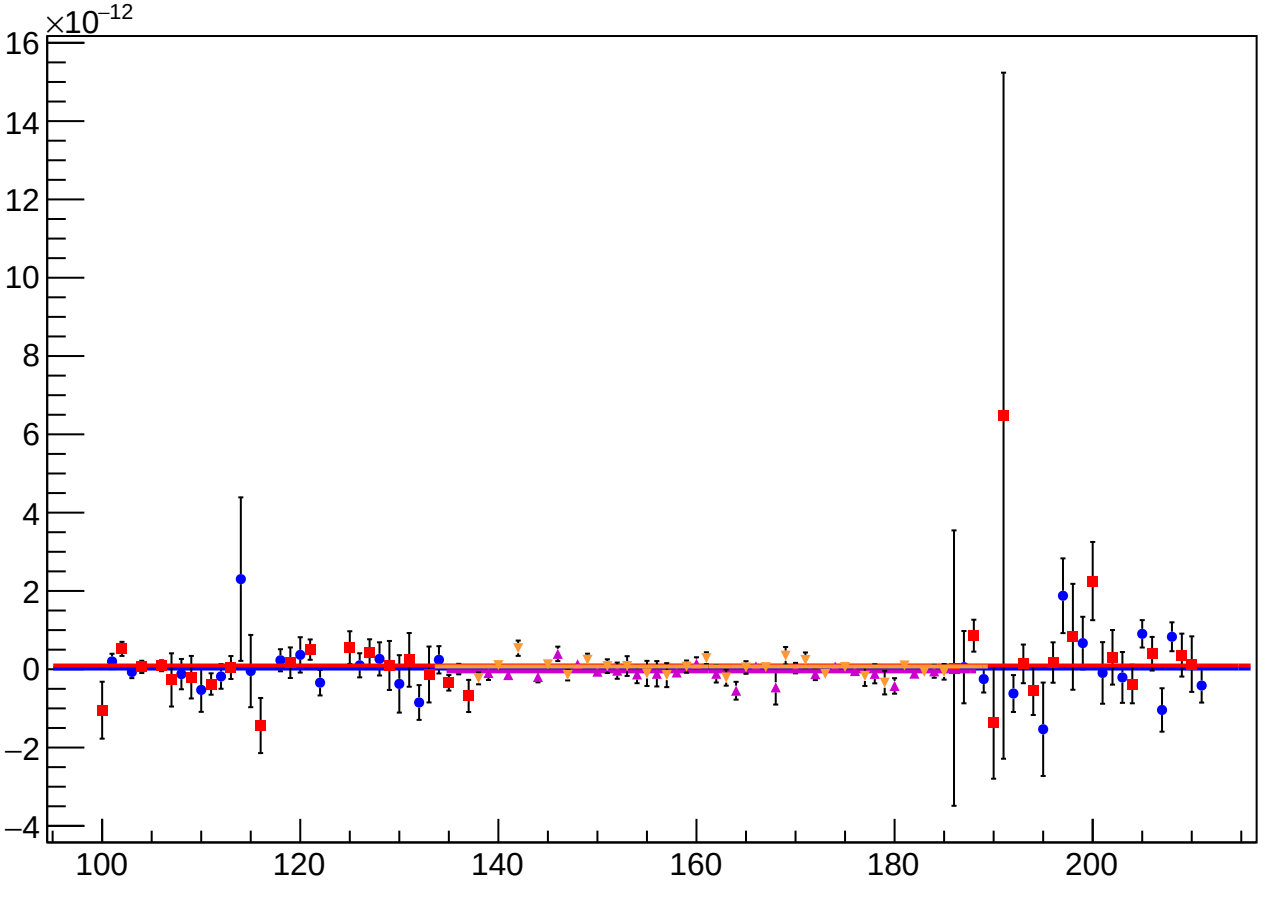
Right: 4104.943+/-0.517 χ^2/NDF: 5481512.5/59

In: 4780.827+/-0.590 χ^2/NDF:3763511.6/50

Out: 4557.250+/-0.564 χ^2/NDF:6775390.1/55

All: 4664.026+/-0.407 χ^2/NDF: 10614031.3/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.4/31

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

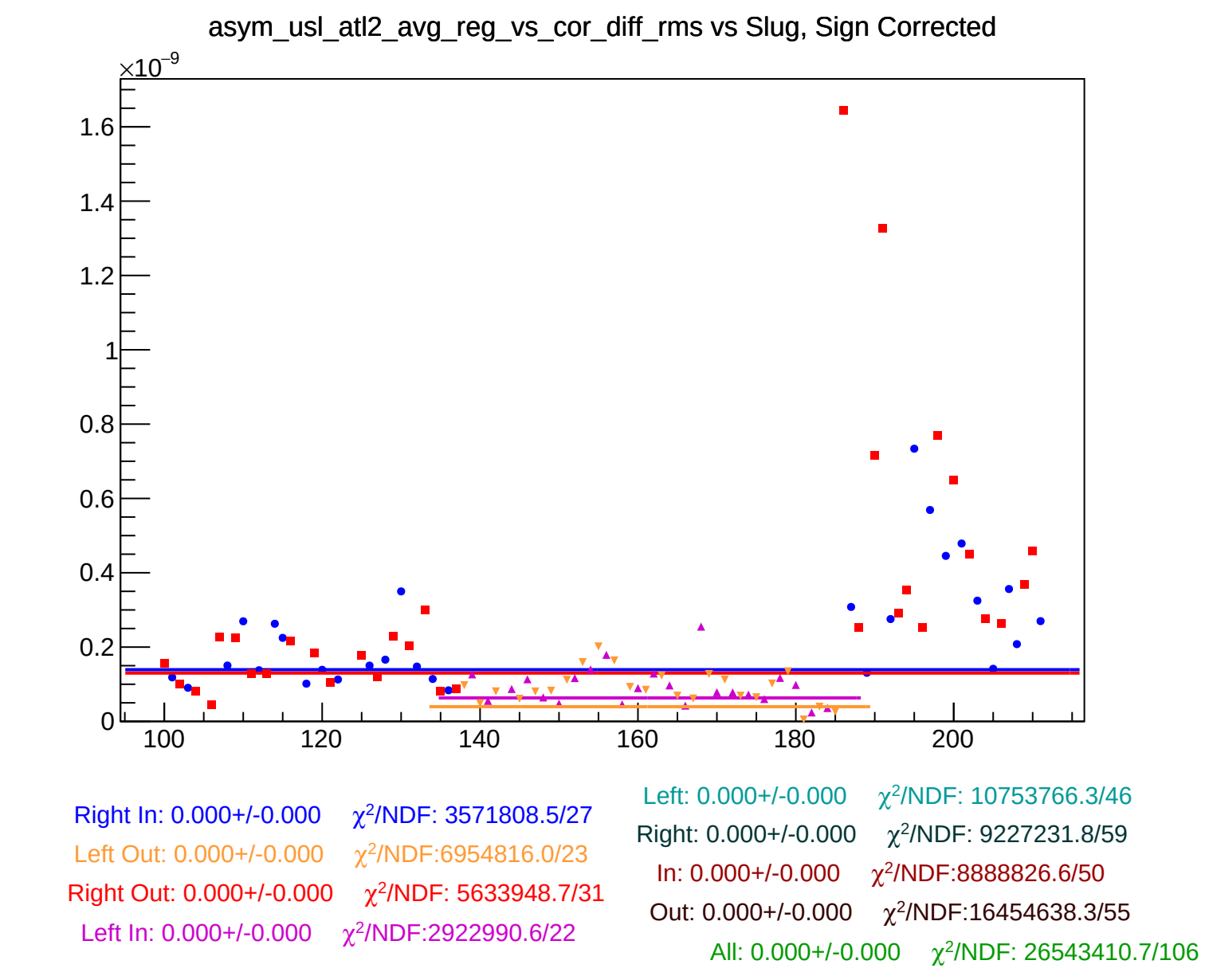
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 79.3/59

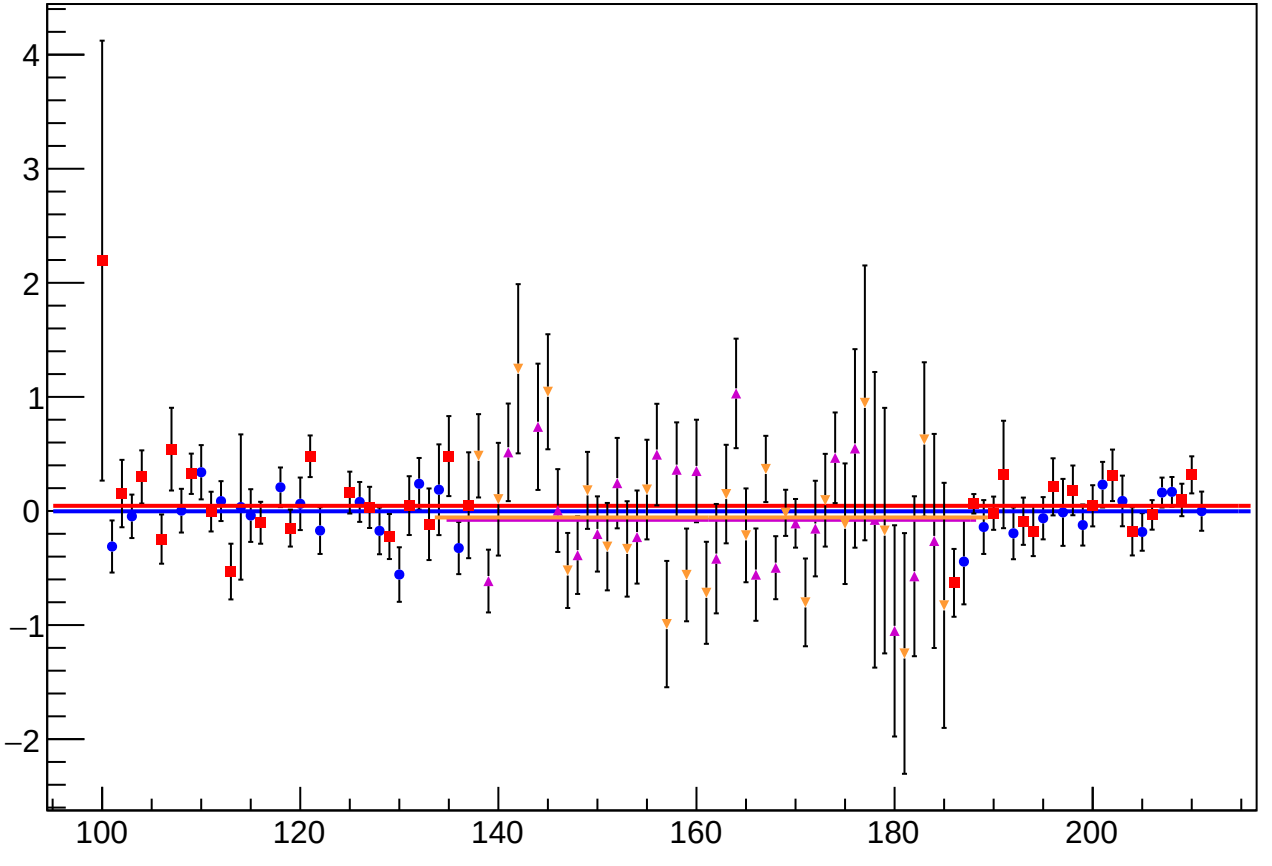
In: -0.000+/-0.000 χ^2/NDF:62.6/50

Out: 0.000+/-0.000 χ^2/NDF:70.9/55

All: 0.000+/-0.000 χ^2/NDF: 145.7/106


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3571808.5/27
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 5633948.7/31
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
Left: 0.000+/-0.000 χ²/NDF: 10753766.3/46
Right: 0.000+/-0.000 χ²/NDF: 9227231.8/59
In: 0.000+/-0.000 χ²/NDF:8888826.6/50
Out: 0.000+/-0.000 χ²/NDF:16454638.3/55
All: 0.000+/-0.000 χ²/NDF: 26543410.7/106

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

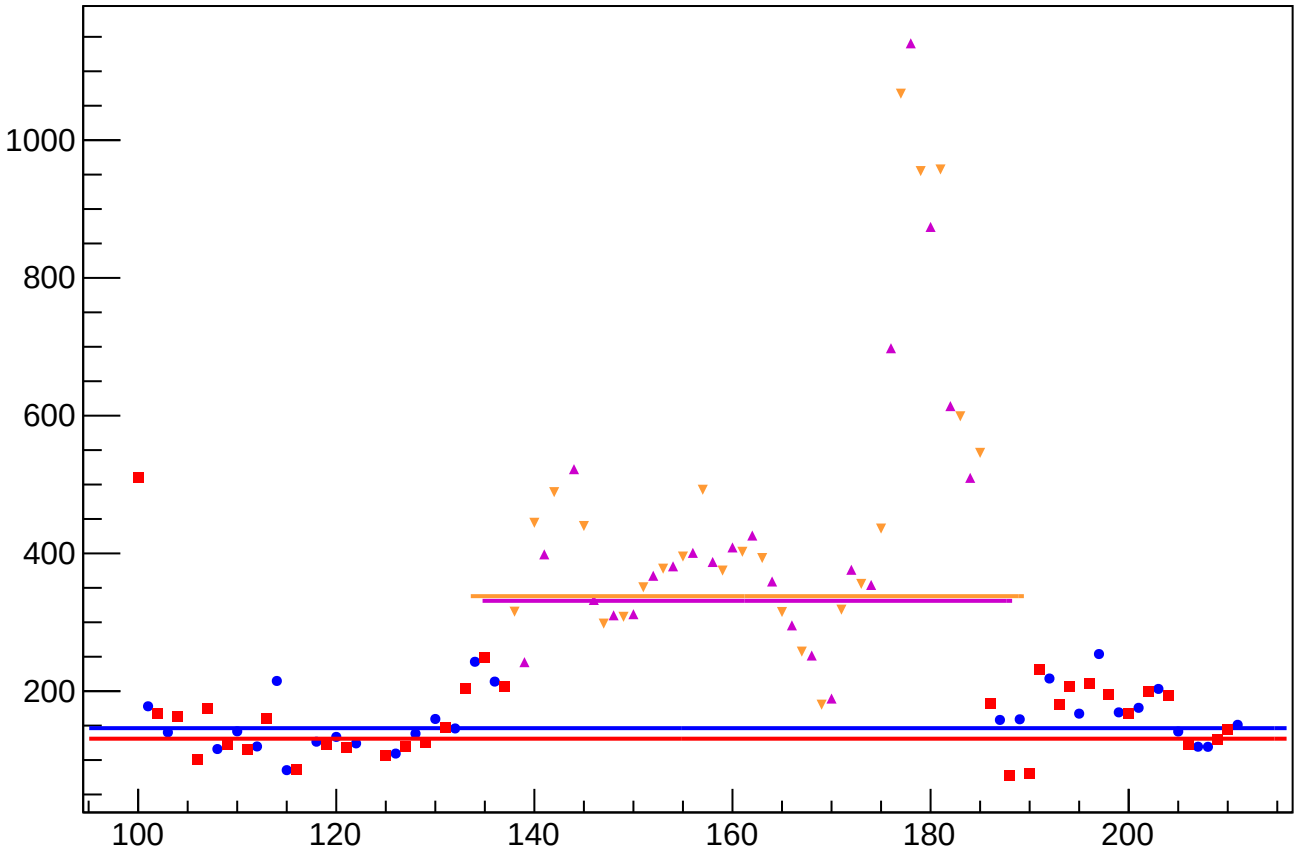
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.024+/-0.025 χ^2/NDF: 66.1/59

In: -0.016+/-0.035 χ^2/NDF:52.8/50

Out: 0.031+/-0.032 χ^2/NDF:71.7/55

All: 0.010+/-0.023 χ^2/NDF: 125.6/106



Right In: 146.289+/-0.027 χ^2/NDF: 1631134.3/27

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.994+/-0.024 χ^2/NDF: 3221232.2/31

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

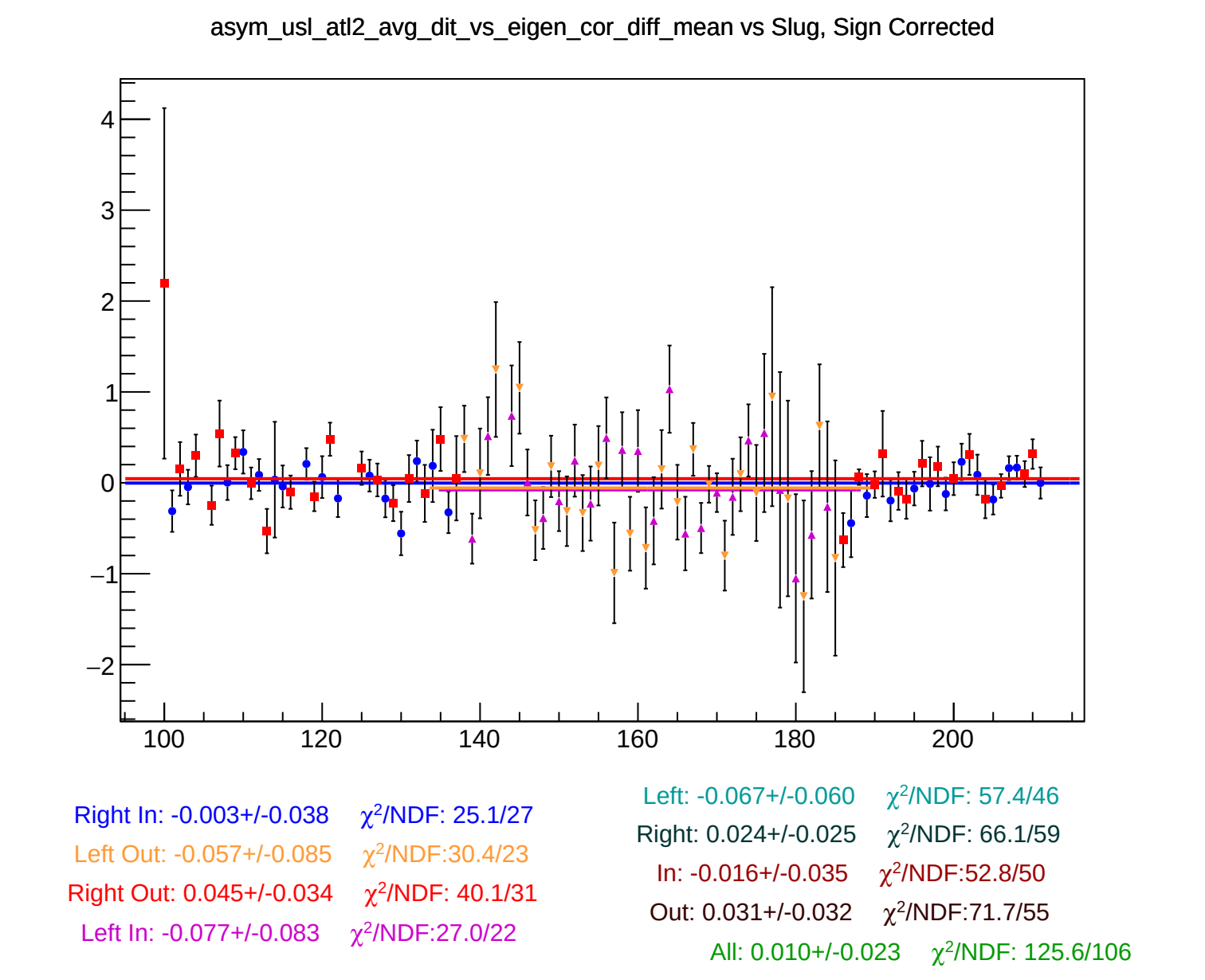
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

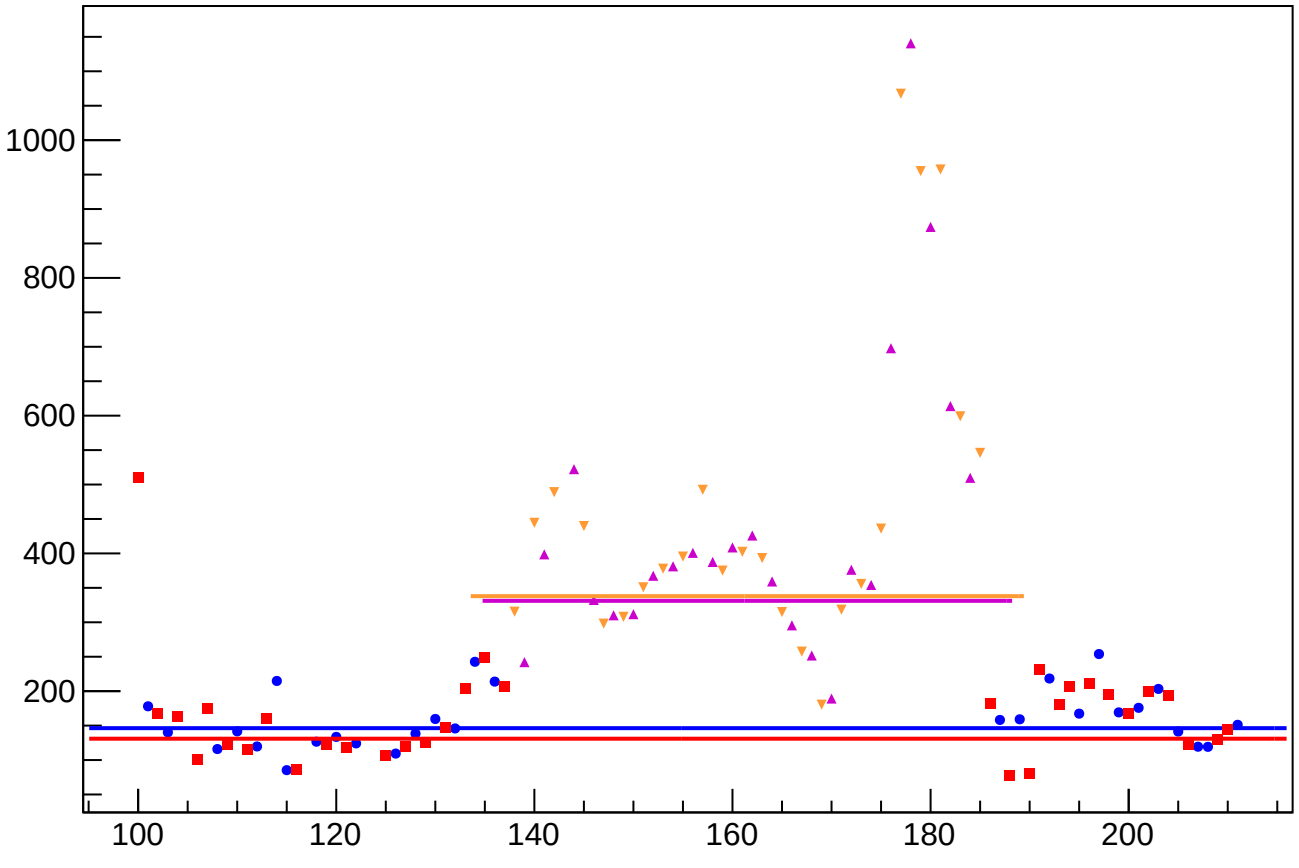
Right: 137.781+/-0.018 χ^2/NDF: 5031810.1/59

In: 178.176+/-0.024 χ^2/NDF:13867514.4/50

Out: 159.296+/-0.022 χ^2/NDF:17861984.3/55

All: 167.872+/-0.017 χ^2/NDF: 32053704.2/10


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.003+/-0.038 χ²/NDF: 25.1/27
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.045+/-0.034 χ²/NDF: 40.1/31
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.024+/-0.025 χ²/NDF: 66.1/59
In: -0.016+/-0.035 χ²/NDF:52.8/50
Out: 0.031+/-0.032 χ²/NDF:71.7/55
All: 0.010+/-0.023 χ²/NDF: 125.6/106



Right In: 146.289+/-0.027 χ^2/NDF: 1631134.3/27

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.994+/-0.024 χ^2/NDF: 3221232.2/31

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

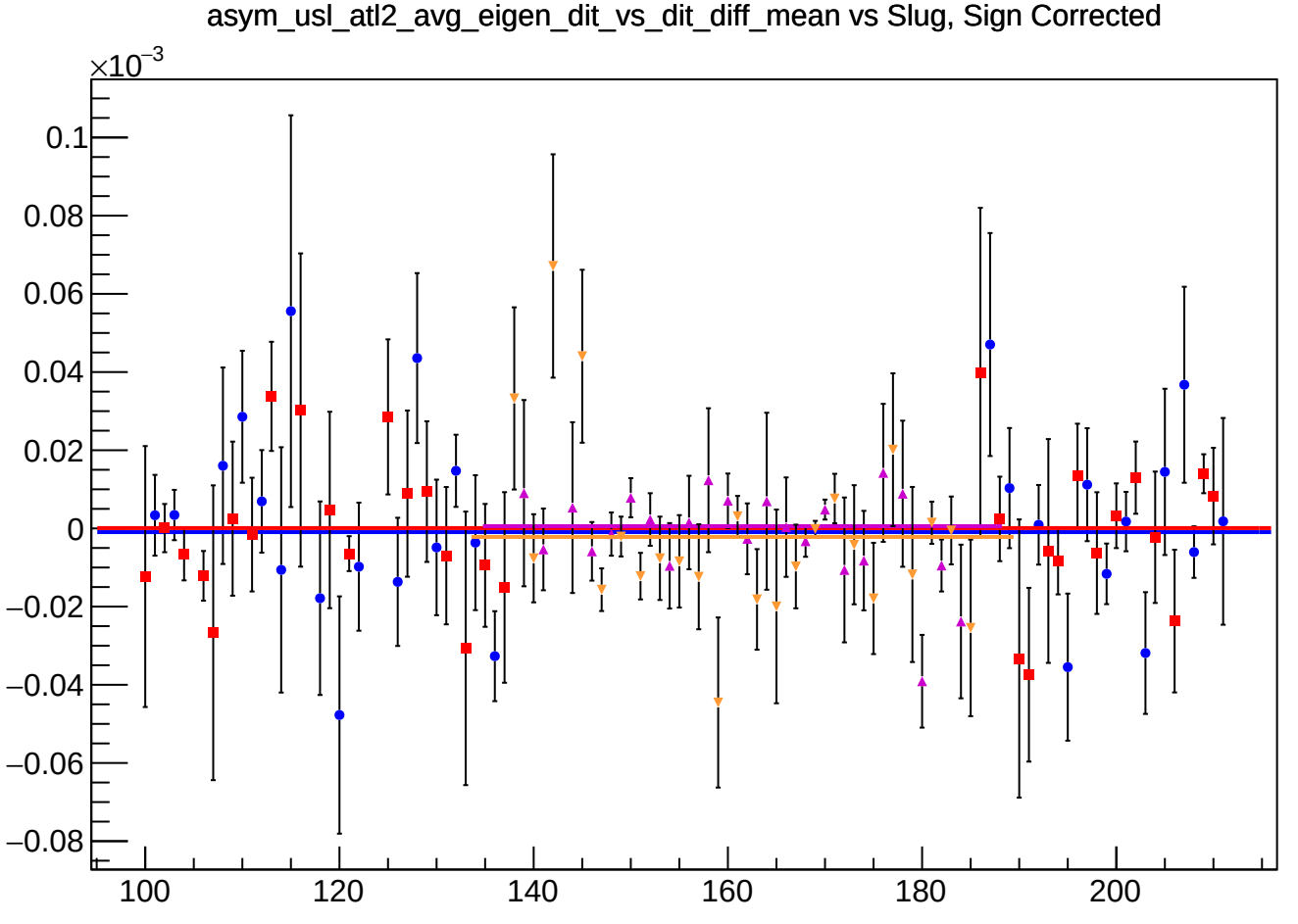
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.781+/-0.018 χ^2/NDF: 5031810.1/59

In: 178.176+/-0.024 χ^2/NDF:13867514.4/50

Out: 159.296+/-0.022 χ^2/NDF:17861984.3/55

All: 167.872+/-0.017 χ^2/NDF: 32053704.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.0/31

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

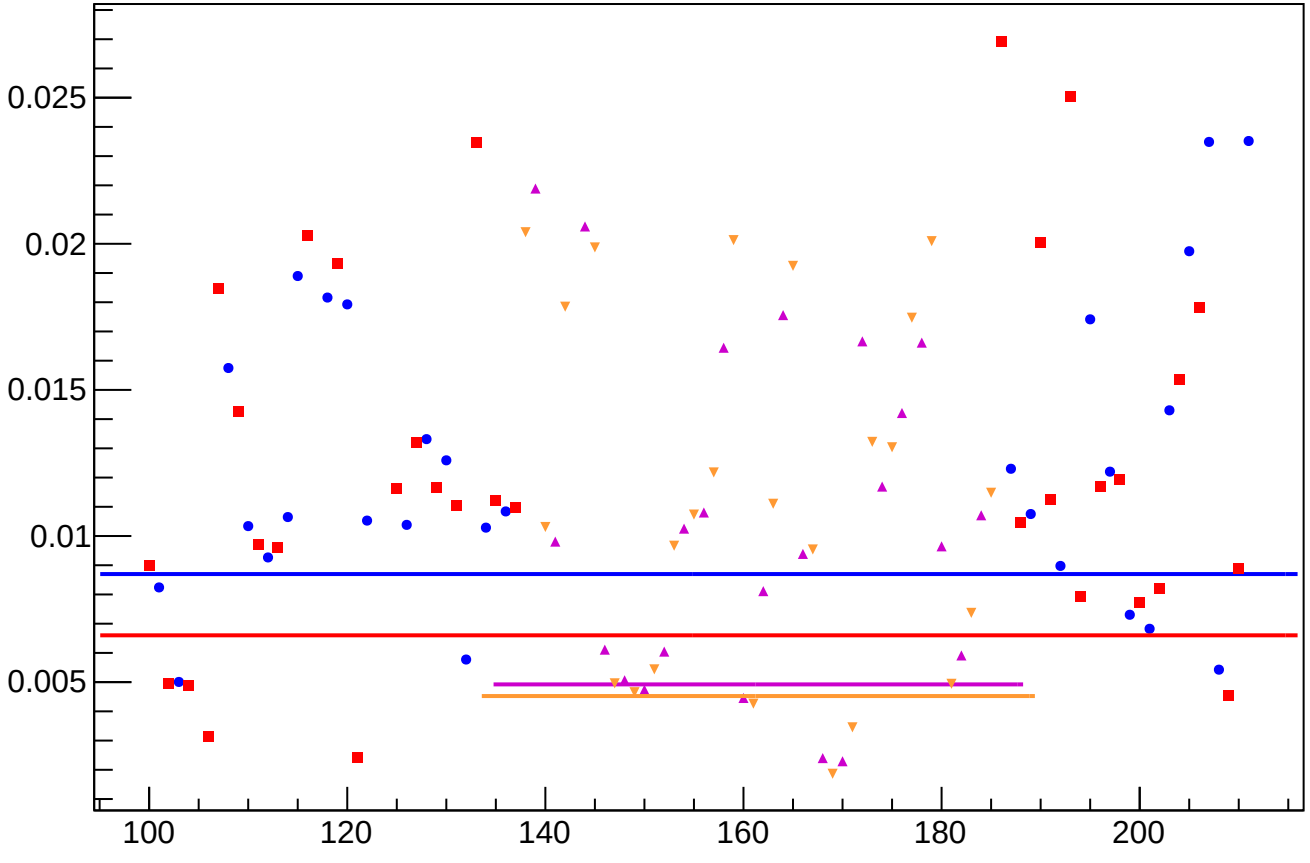
Right: -0.000+/-0.000 χ^2/NDF: 78.3/59

In: 0.000+/-0.000 χ^2/NDF:67.7/50

Out: -0.000+/-0.000 χ^2/NDF:75.8/55

All: -0.000+/-0.000 χ^2/NDF: 144.3/106

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 5351970.2/27

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 9666477.9/31

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

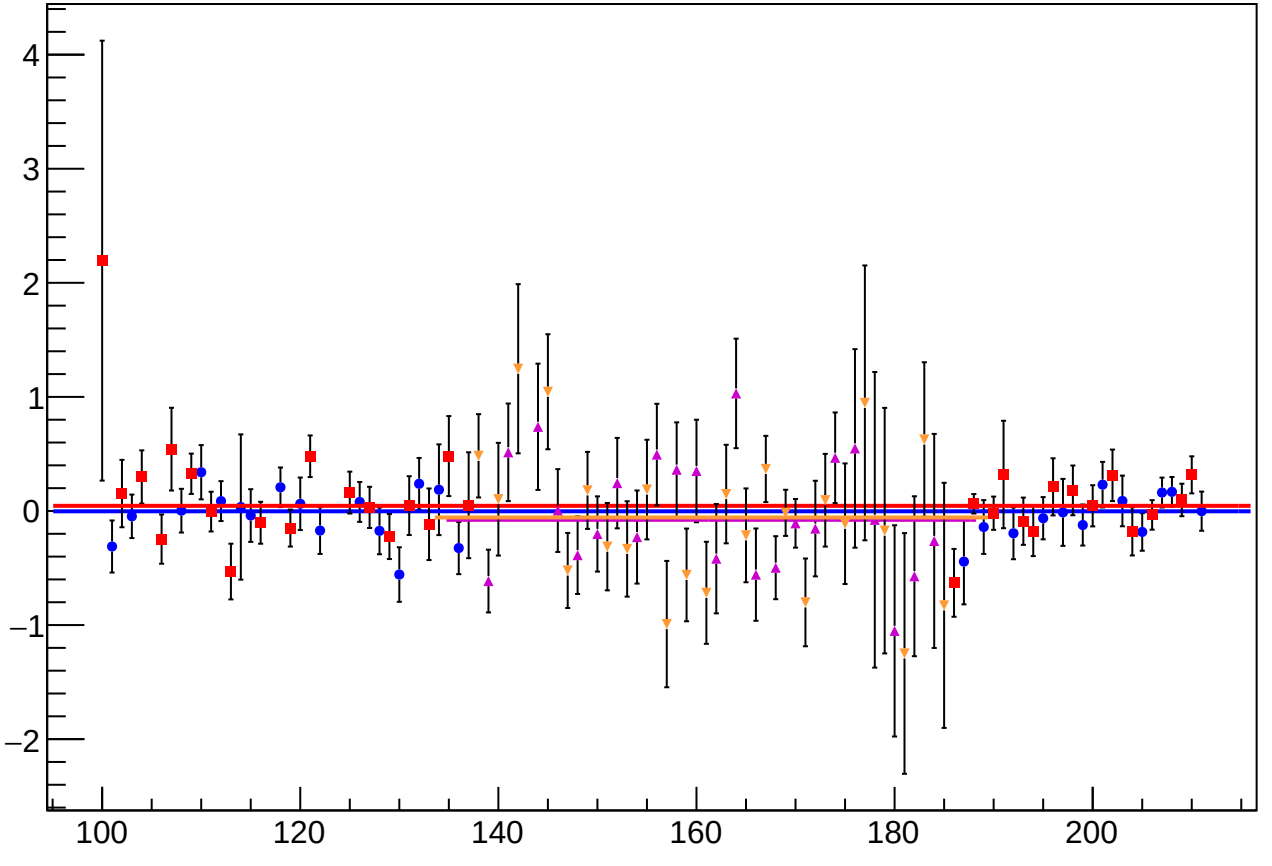
Right: 0.007+/-0.000 χ^2/NDF: 15949717.8/59

In: 0.006+/-0.000 χ^2/NDF:20540360.5/50

Out: 0.005+/-0.000 χ^2/NDF:25441940.9/55

All: 0.006+/-0.000 χ^2/NDF: 46346866.3/106

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

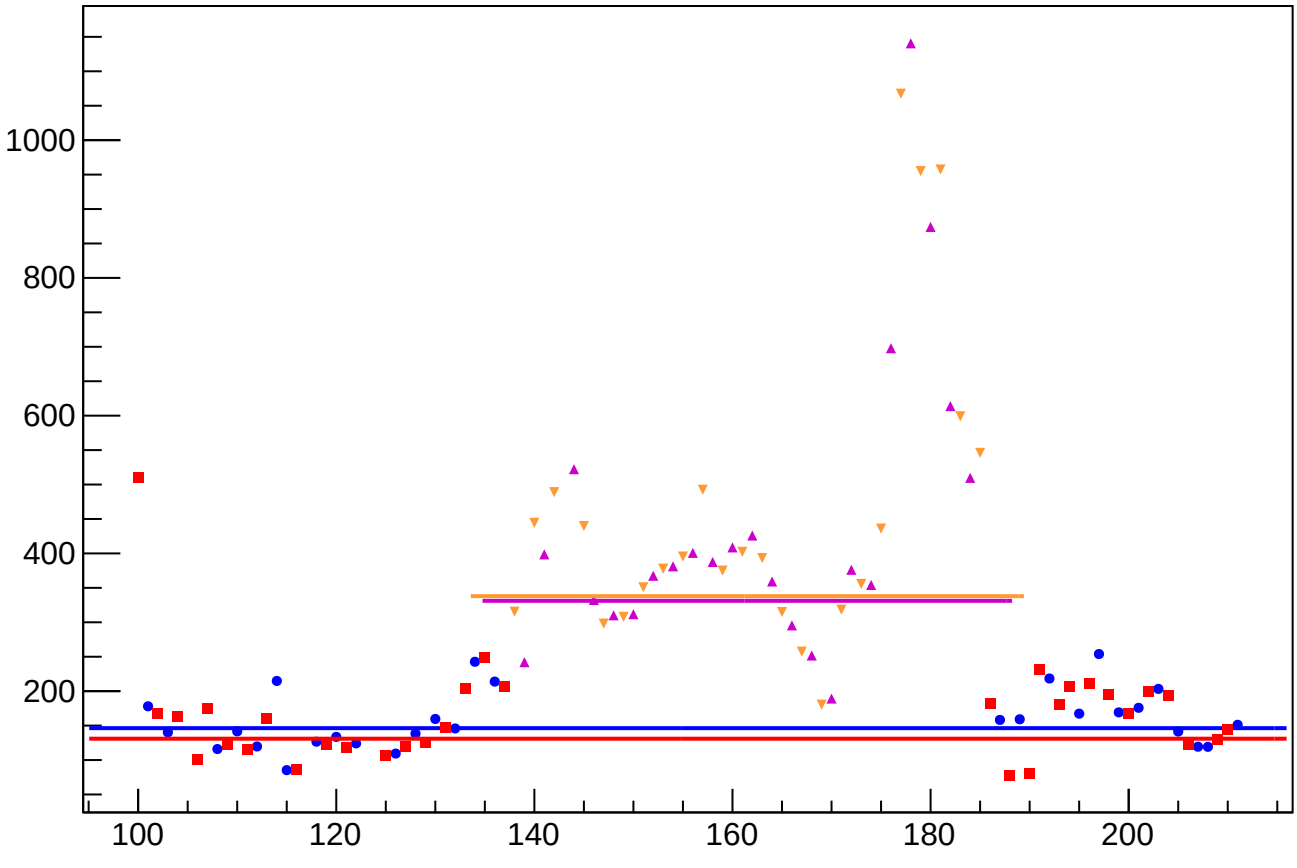
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.024+/-0.025 χ^2/NDF: 66.1/59

In: -0.016+/-0.035 χ^2/NDF:52.8/50

Out: 0.031+/-0.032 χ^2/NDF:71.7/55

All: 0.010+/-0.023 χ^2/NDF: 125.6/106



Right In: 146.290+/-0.027 χ^2/NDF: 1631116.4/27

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.992+/-0.024 χ^2/NDF: 3221395.4/31

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

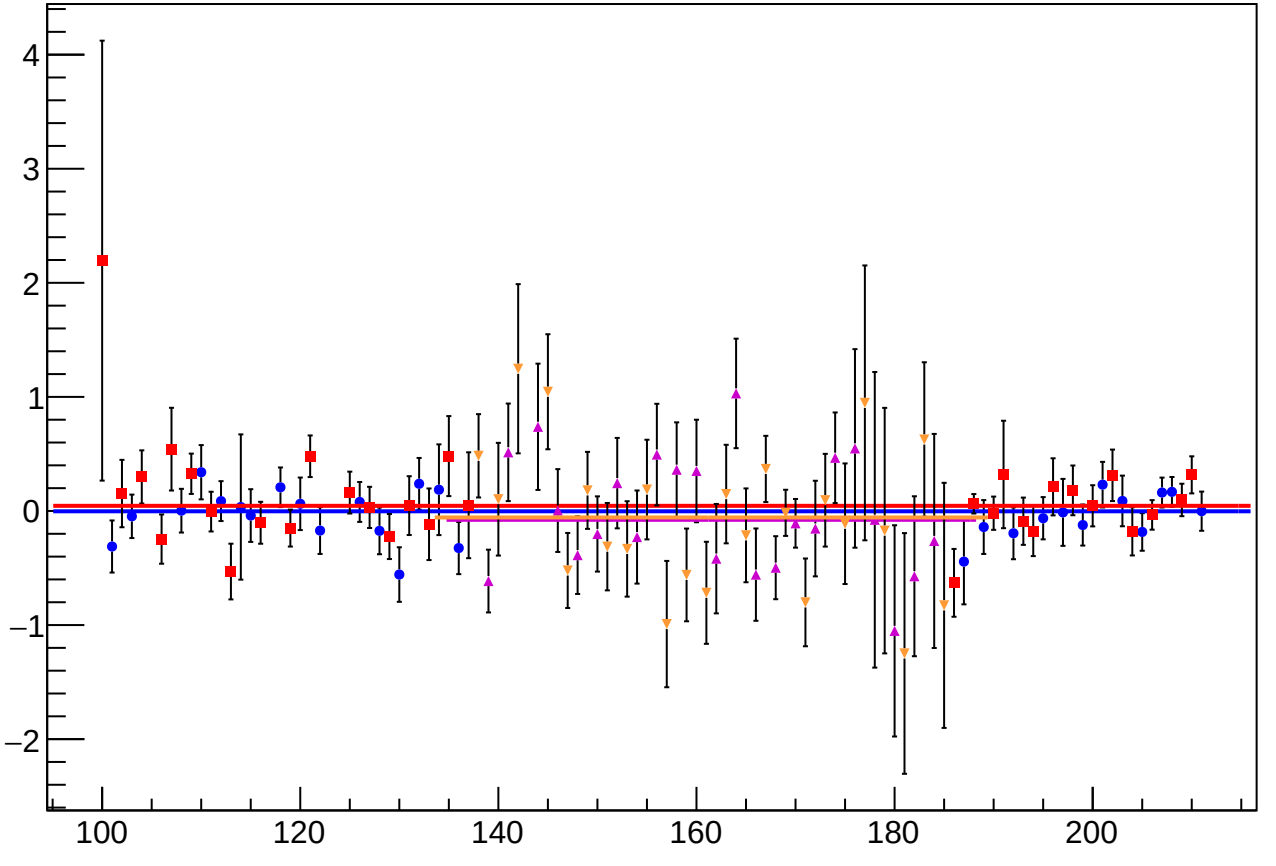
Right: 137.781+/-0.018 χ^2/NDF: 5032007.4/59

In: 178.177+/-0.024 χ^2/NDF:13867558.7/50

Out: 159.294+/-0.022 χ^2/NDF:17862459.1/55

All: 167.871+/-0.017 χ^2/NDF: 32054311.3/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.038 χ^2/NDF: 25.1/27

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.045+/-0.034 χ^2/NDF: 40.1/31

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

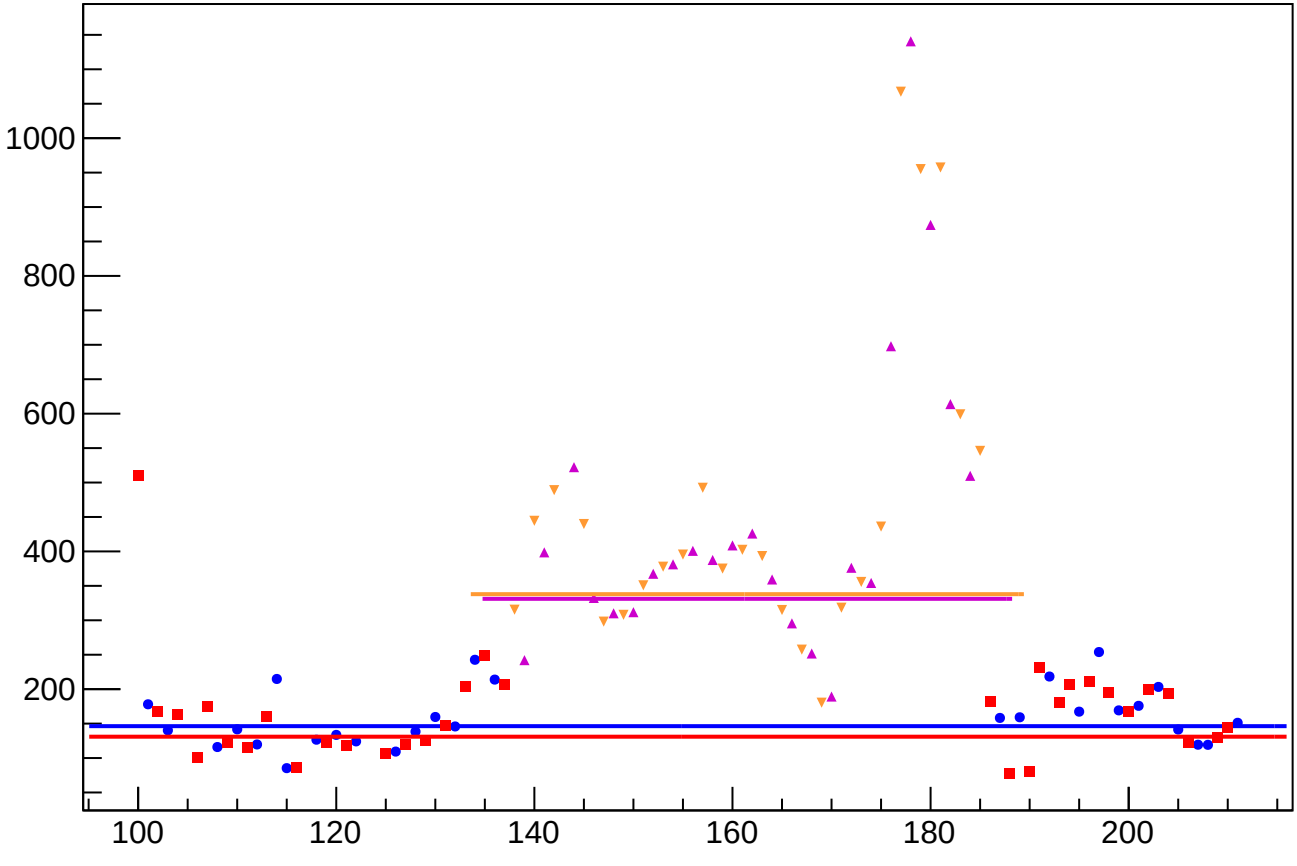
Right: 0.024+/-0.025 χ^2/NDF: 66.1/59

In: -0.016+/-0.035 χ^2/NDF:52.8/50

Out: 0.031+/-0.032 χ^2/NDF:71.7/55

All: 0.010+/-0.023 χ^2/NDF: 125.6/106

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.290+/-0.027 χ^2/NDF: 1631116.4/27

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.992+/-0.024 χ^2/NDF: 3221395.4/31

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

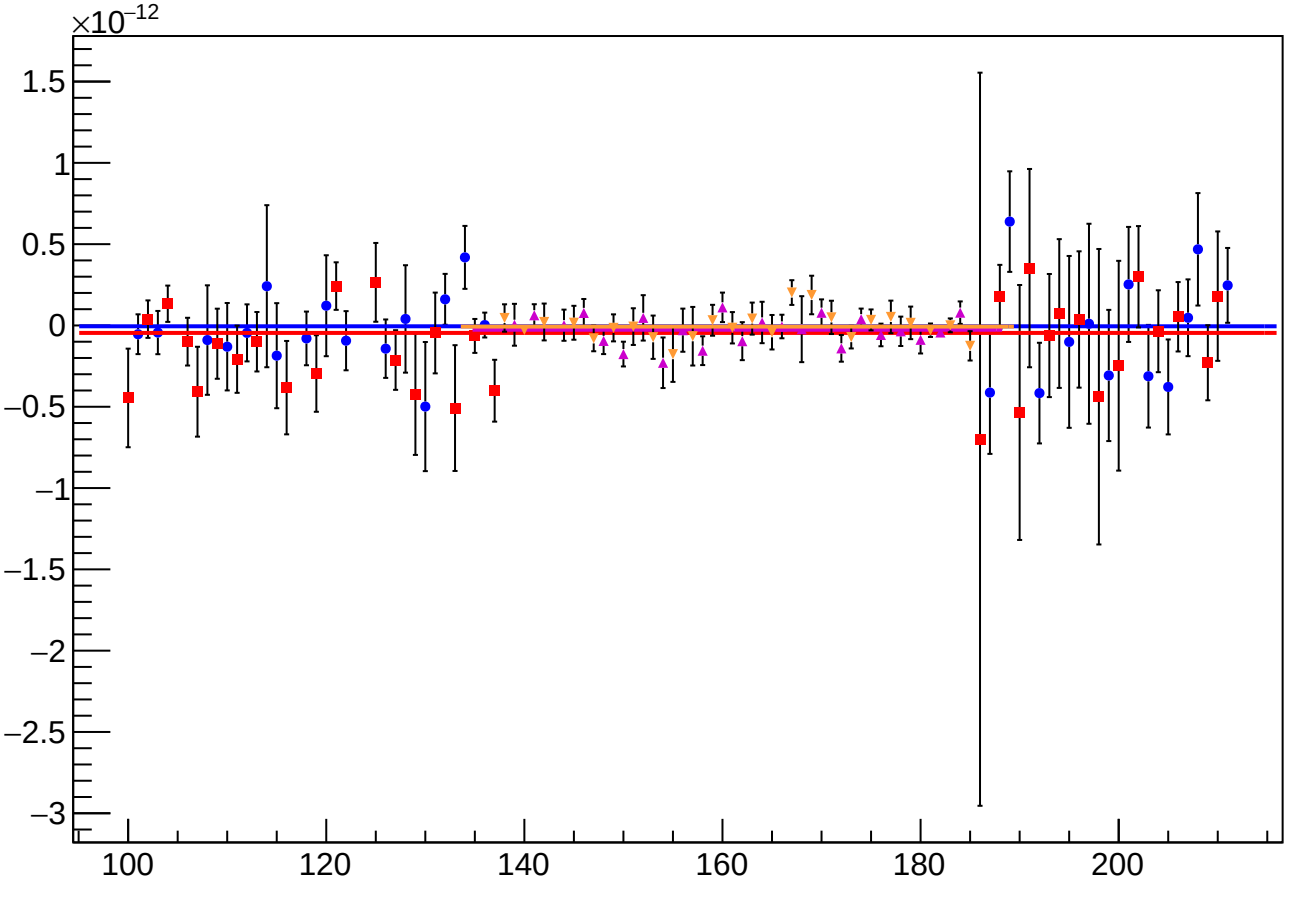
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 137.781+/-0.018 χ^2/NDF: 5032007.4/59

In: 178.177+/-0.024 χ^2/NDF:13867558.7/50

Out: 159.294+/-0.022 χ^2/NDF:17862459.1/55

All: 167.871+/-0.017 χ^2/NDF: 32054311.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/31

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

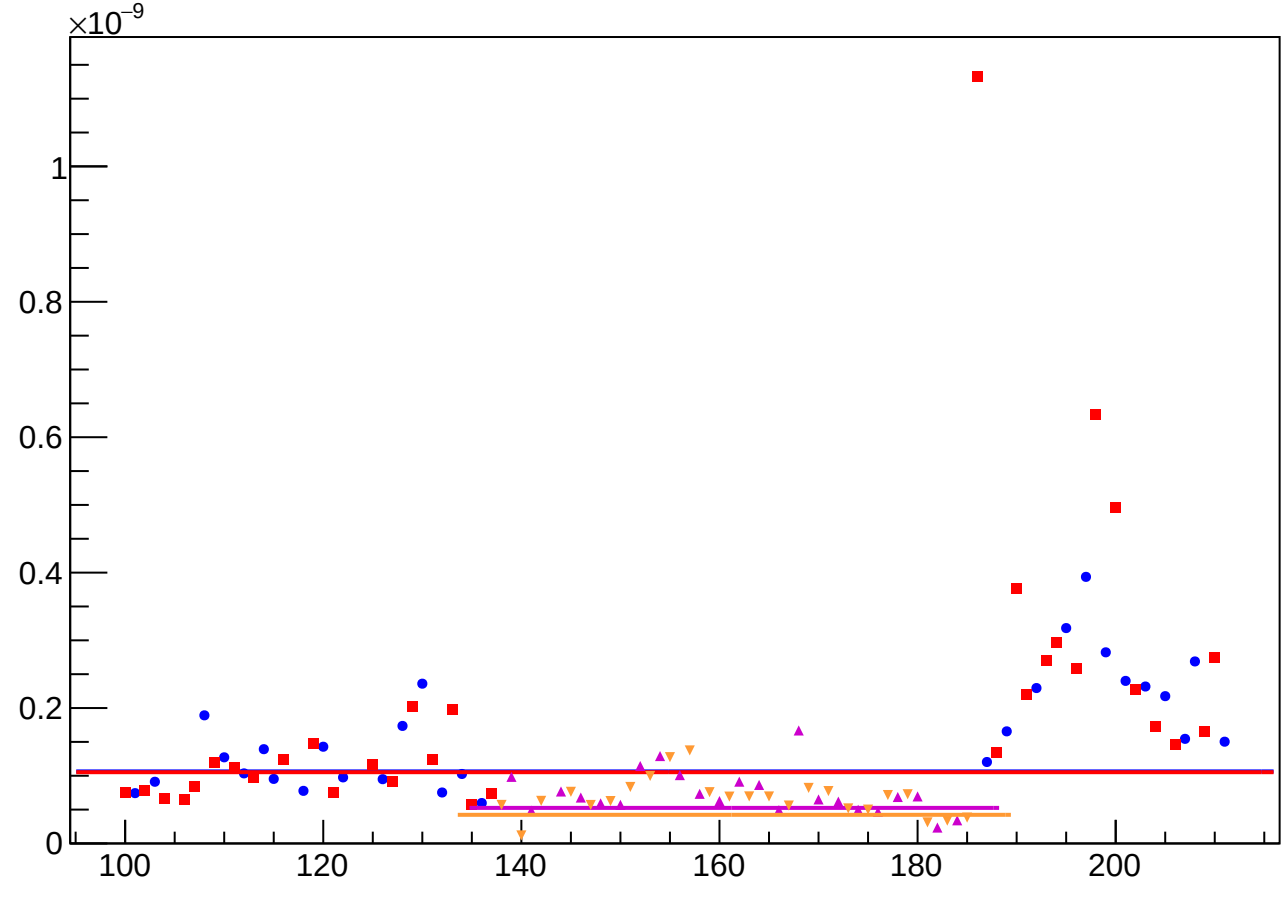
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 51.8/59

In: -0.000+/-0.000 χ^2/NDF:47.0/50

Out: -0.000+/-0.000 χ^2/NDF:46.4/55

All: -0.000+/-0.000 χ^2/NDF: 93.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 4548340.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5645413.4/31

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

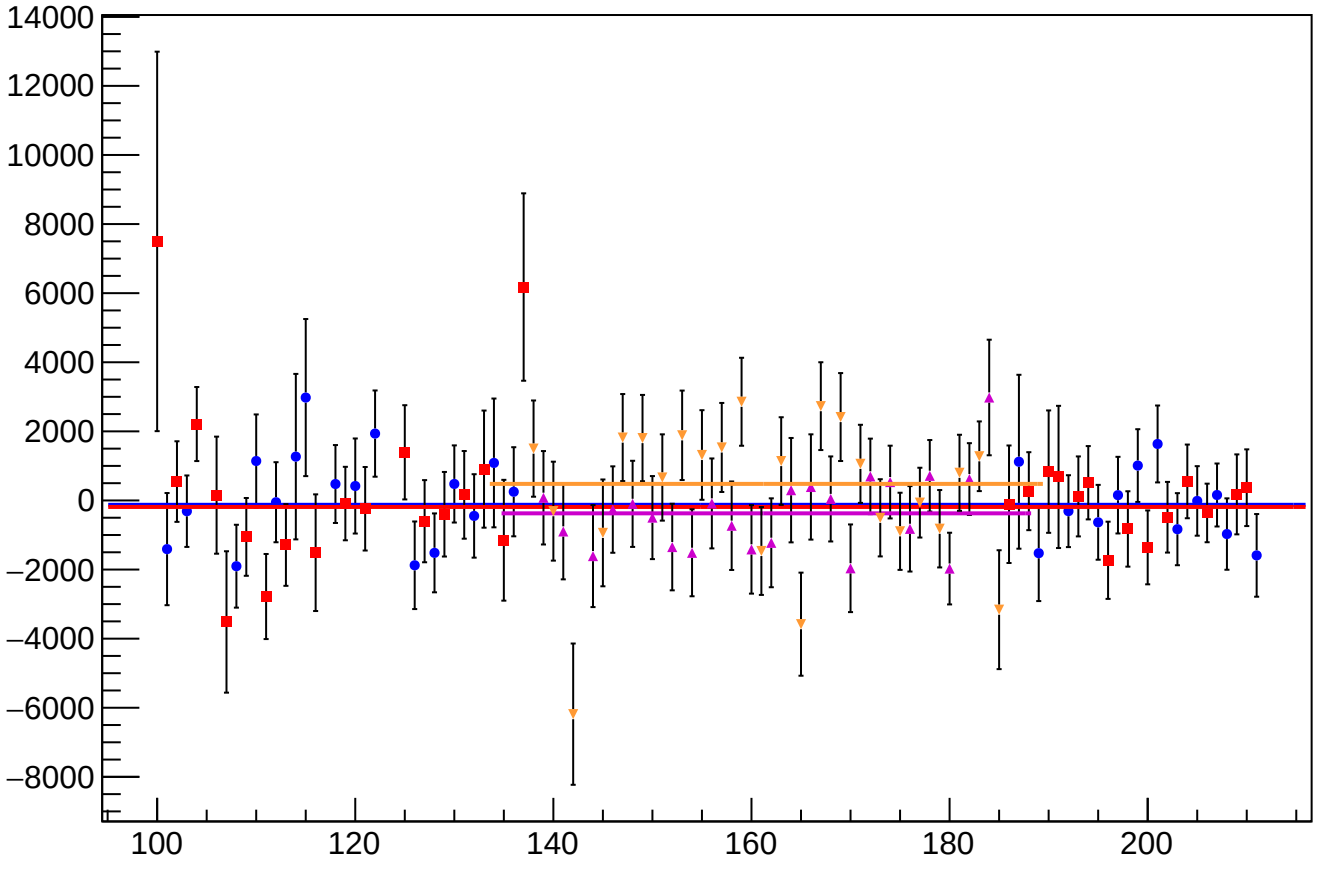
Right: 0.000+/-0.000 χ^2/NDF: 10194686.1/59

In: 0.000+/-0.000 χ^2/NDF:12759075.1/50

Out: 0.000+/-0.000 χ^2/NDF:17169688.3/55

All: 0.000+/-0.000 χ^2/NDF: 30460710.2/106

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -125.999+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -187.987+/-222.081 χ^2/NDF: 30.0/31

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

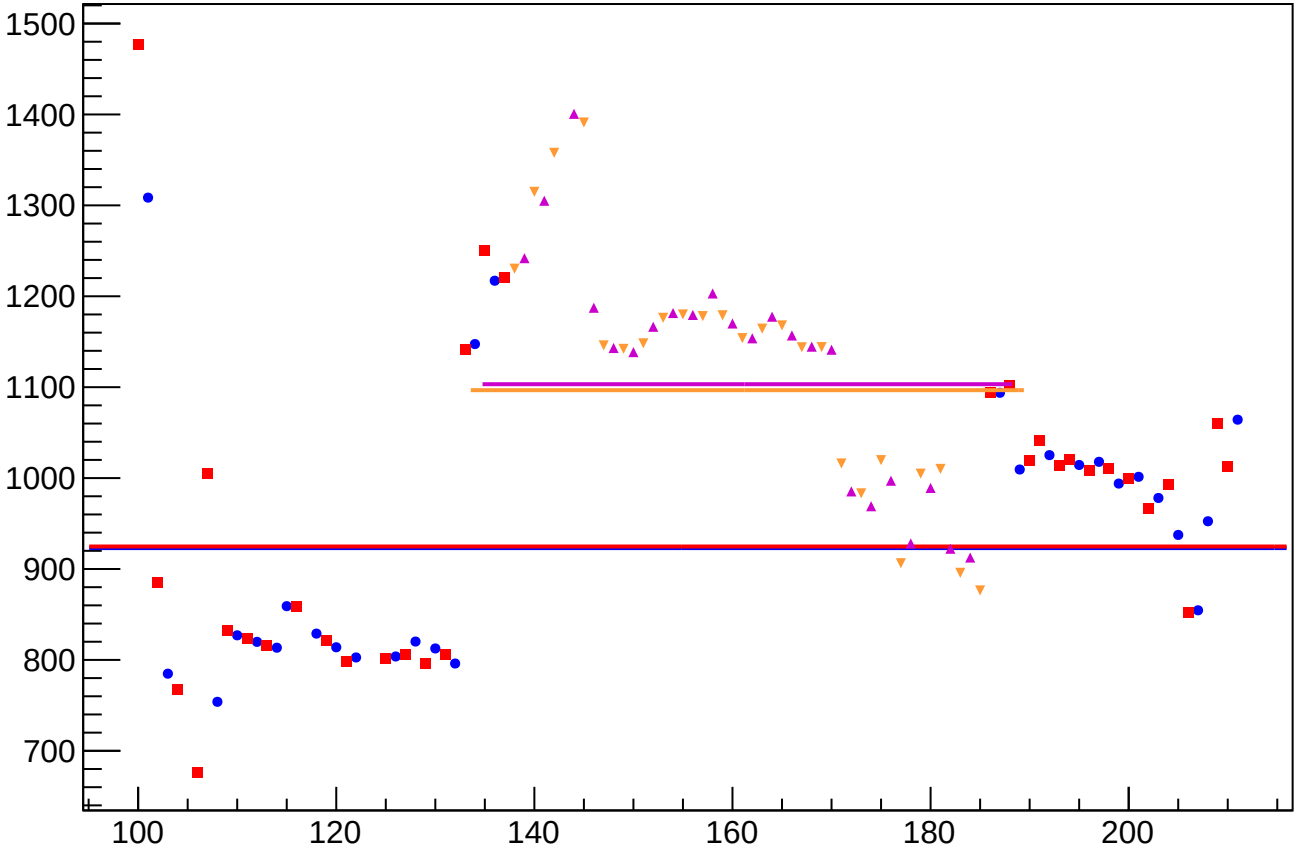
Right: -157.903+/-159.323 χ^2/NDF: 51.4/59

In: -234.032+/-171.522 χ^2/NDF:37.9/50

Out: 98.239+/-167.847 χ^2/NDF:79.0/55

All: -64.299+/-119.964 χ^2/NDF: 118.8/106

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 923.014+/-0.162 χ^2/NDF: 604689.3/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 924.750+/-0.156 χ^2/NDF: 640817.1/31

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

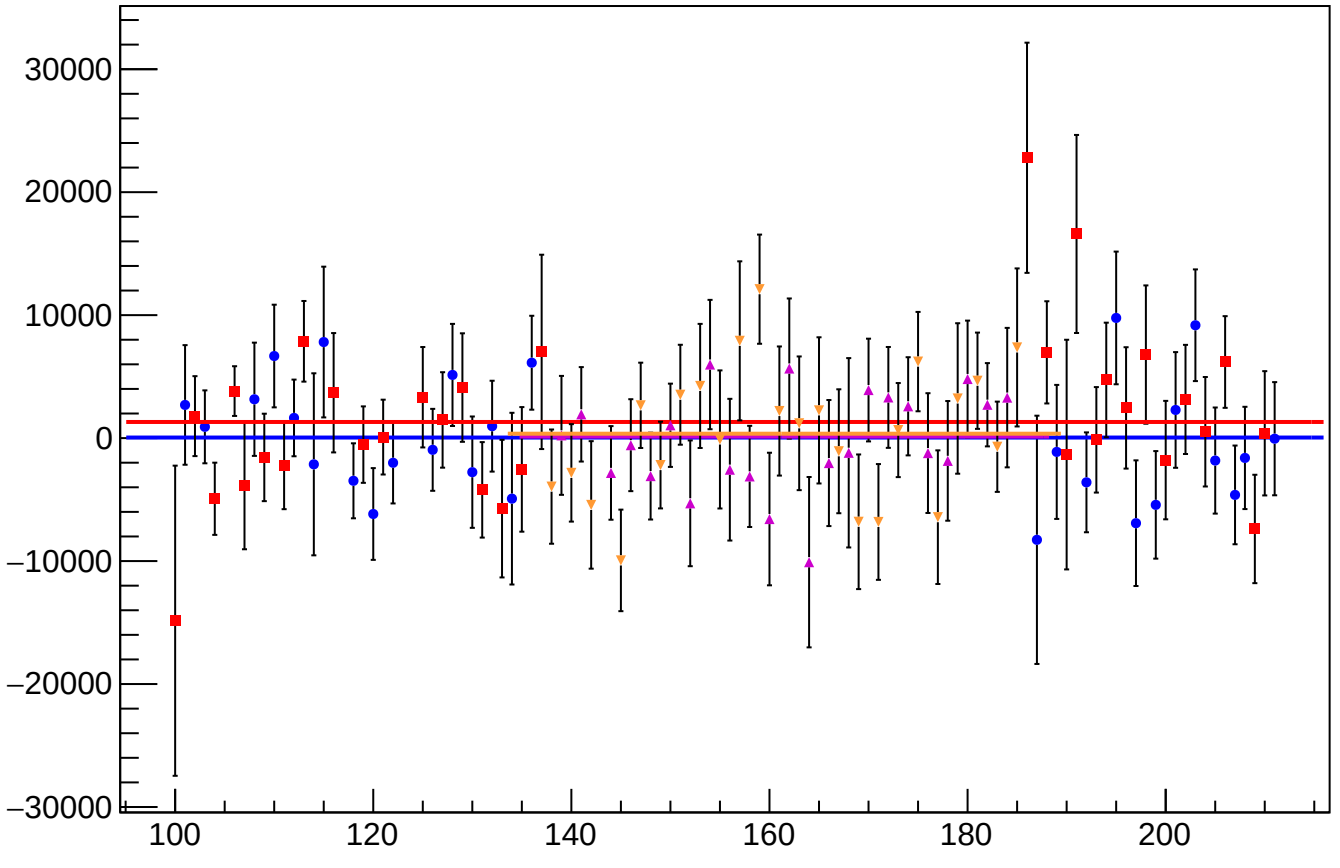
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 923.913+/-0.112 χ^2/NDF: 1245566.1/59

In: 1001.882+/-0.121 χ^2/NDF:1595884.1/50

Out: 997.981+/-0.118 χ^2/NDF:1638100.9/55

All: 999.883+/-0.085 χ^2/NDF: 3234515.2/106



Right In: 46.199+/-795.036 χ^2/NDF: 29.1/27

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1311.991+/-723.041 χ^2/NDF: 39.3/31

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

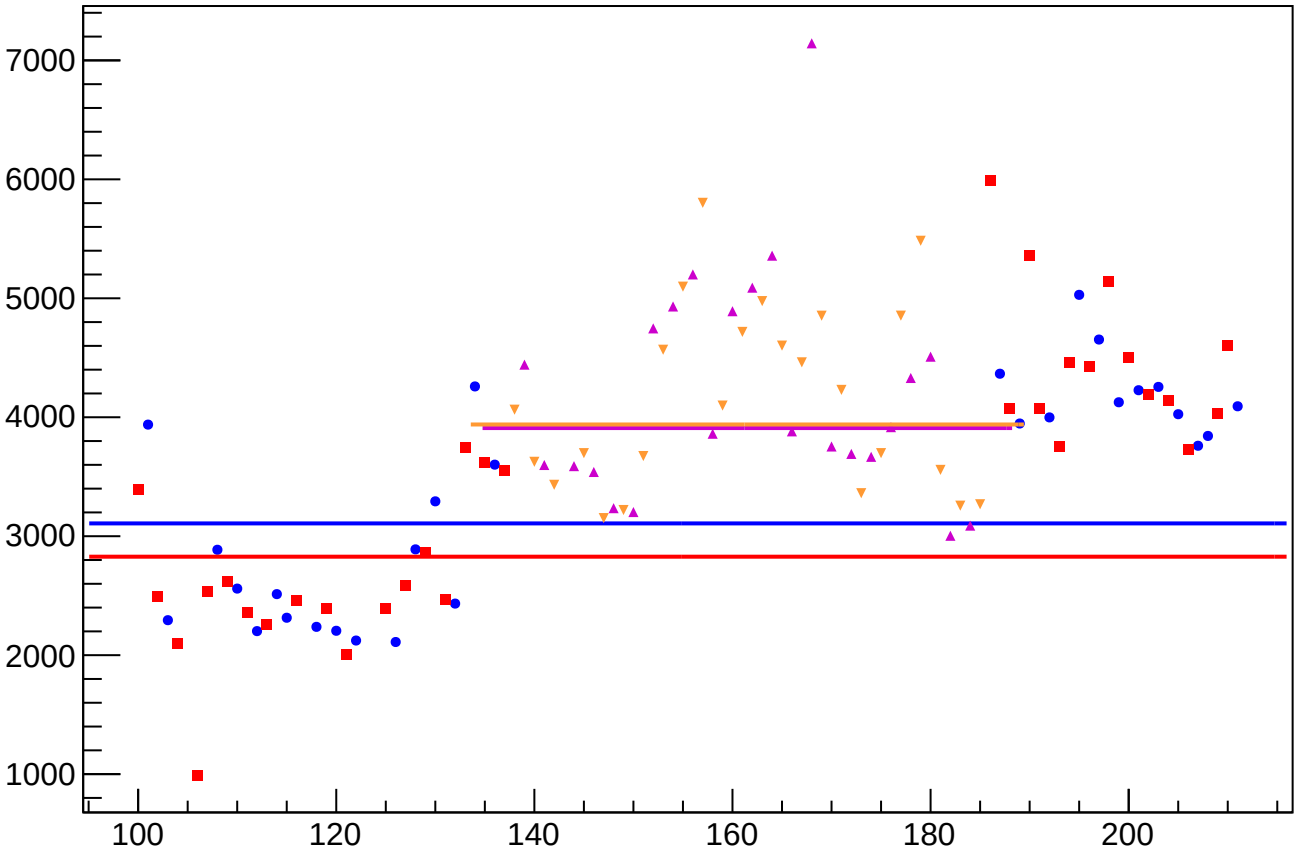
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 738.991+/-534.913 χ^2/NDF: 69.7/59

In: 80.076+/-605.036 χ^2/NDF:42.8/50

Out: 954.516+/-571.792 χ^2/NDF:70.2/55

All: 541.978+/-415.574 χ^2/NDF: 114.1/106



Right In: 3107.655+/-0.562 χ^2/NDF: 2521149.7/27

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2827.895+/-0.511 χ^2/NDF: 4884381.7/31

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

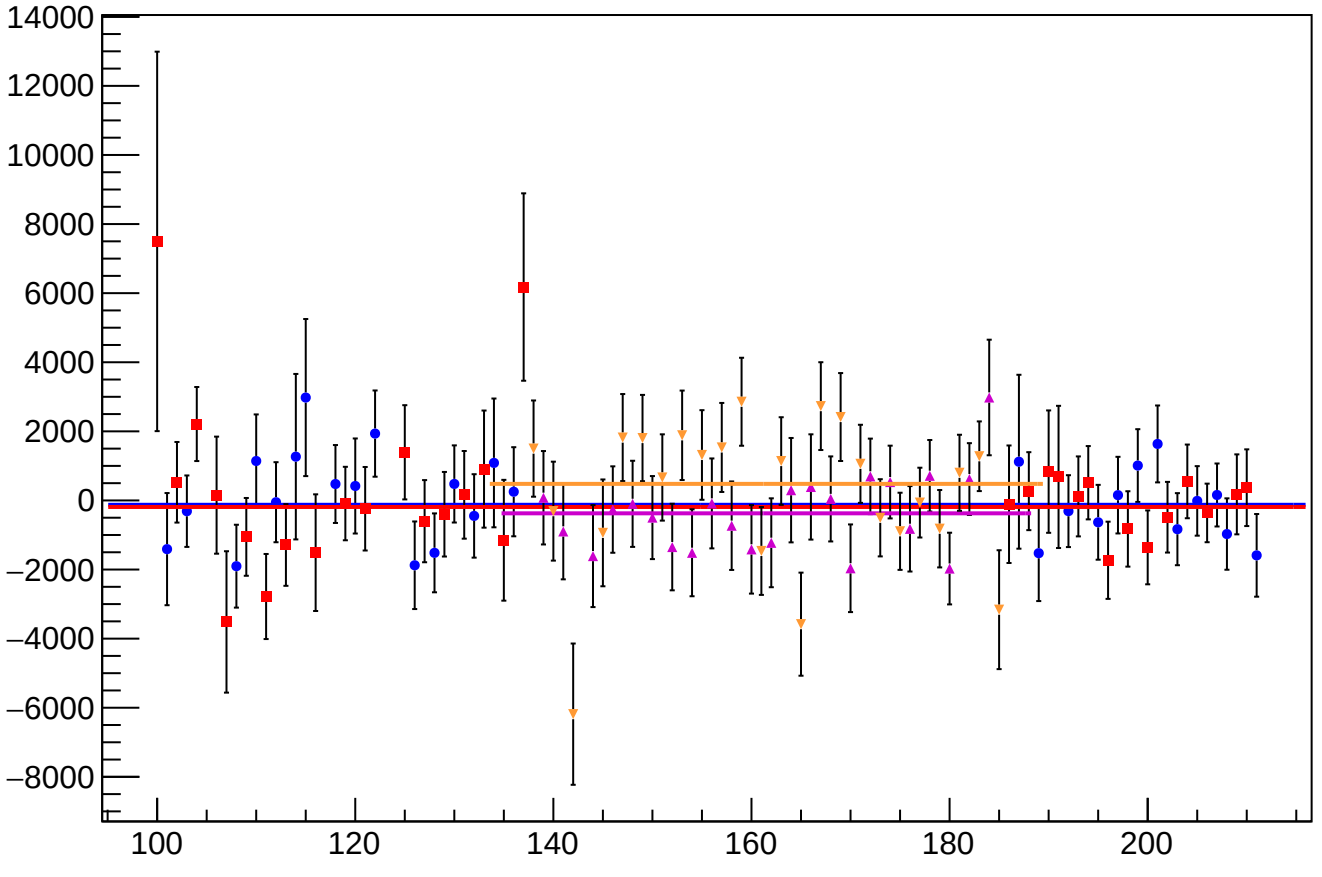
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2954.537+/-0.378 χ^2/NDF: 7541071.6/59

In: 3444.959+/-0.428 χ^2/NDF:4677325.9/50

Out: 3244.223+/-0.404 χ^2/NDF:7747147.7/55

All: 3338.925+/-0.294 χ^2/NDF: 12540762.0/1



Right In: -125.996+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -188.778+/-222.082 χ^2/NDF: 29.9/31

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

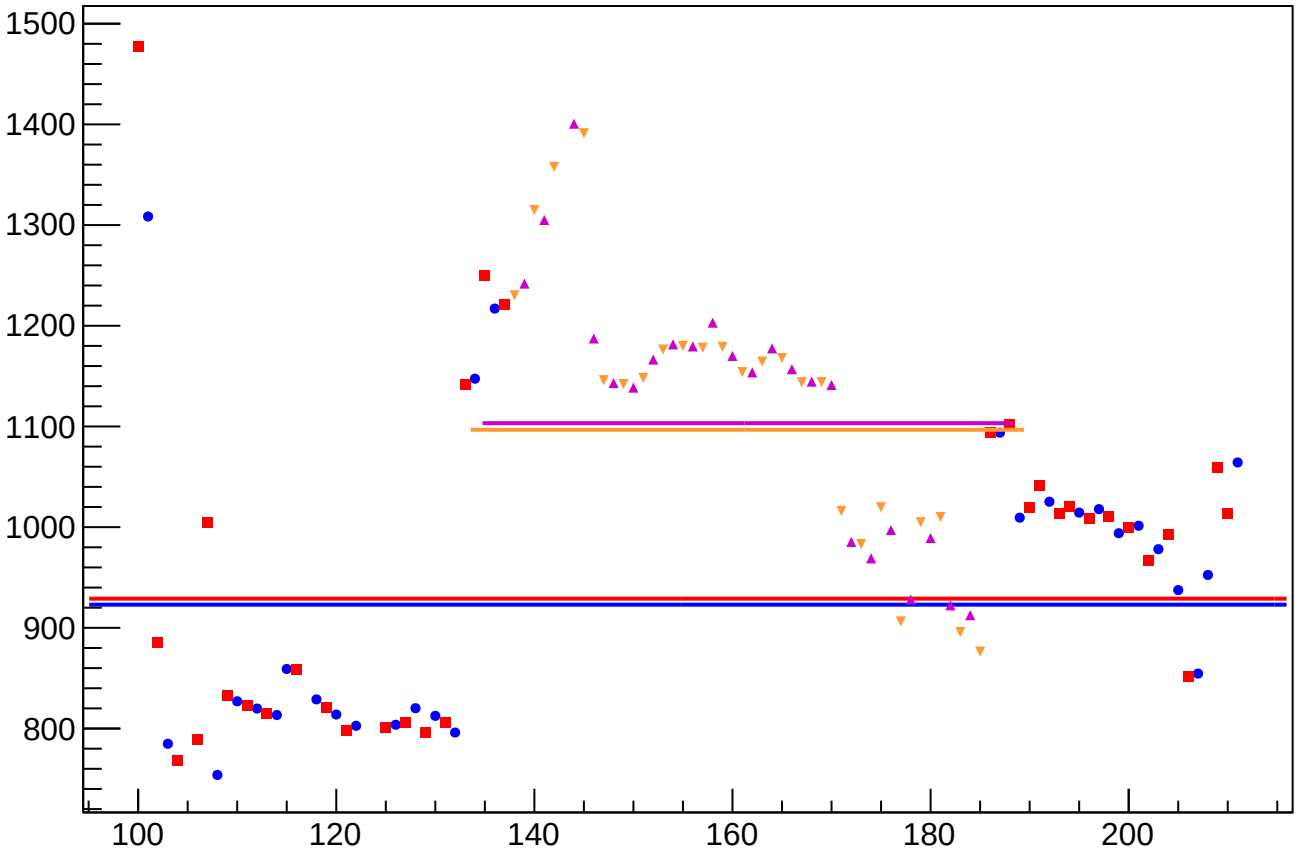
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -158.308+/-159.324 χ^2/NDF: 51.3/59

In: -234.019+/-171.522 χ^2/NDF:37.9/50

Out: 97.801+/-167.848 χ^2/NDF:79.0/55

All: -64.517+/-119.964 χ^2/NDF: 118.8/106



Right In: 923.014+/-0.162 χ^2/NDF: 604689.1/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 928.997+/-0.157 χ^2/NDF: 583211.9/31

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

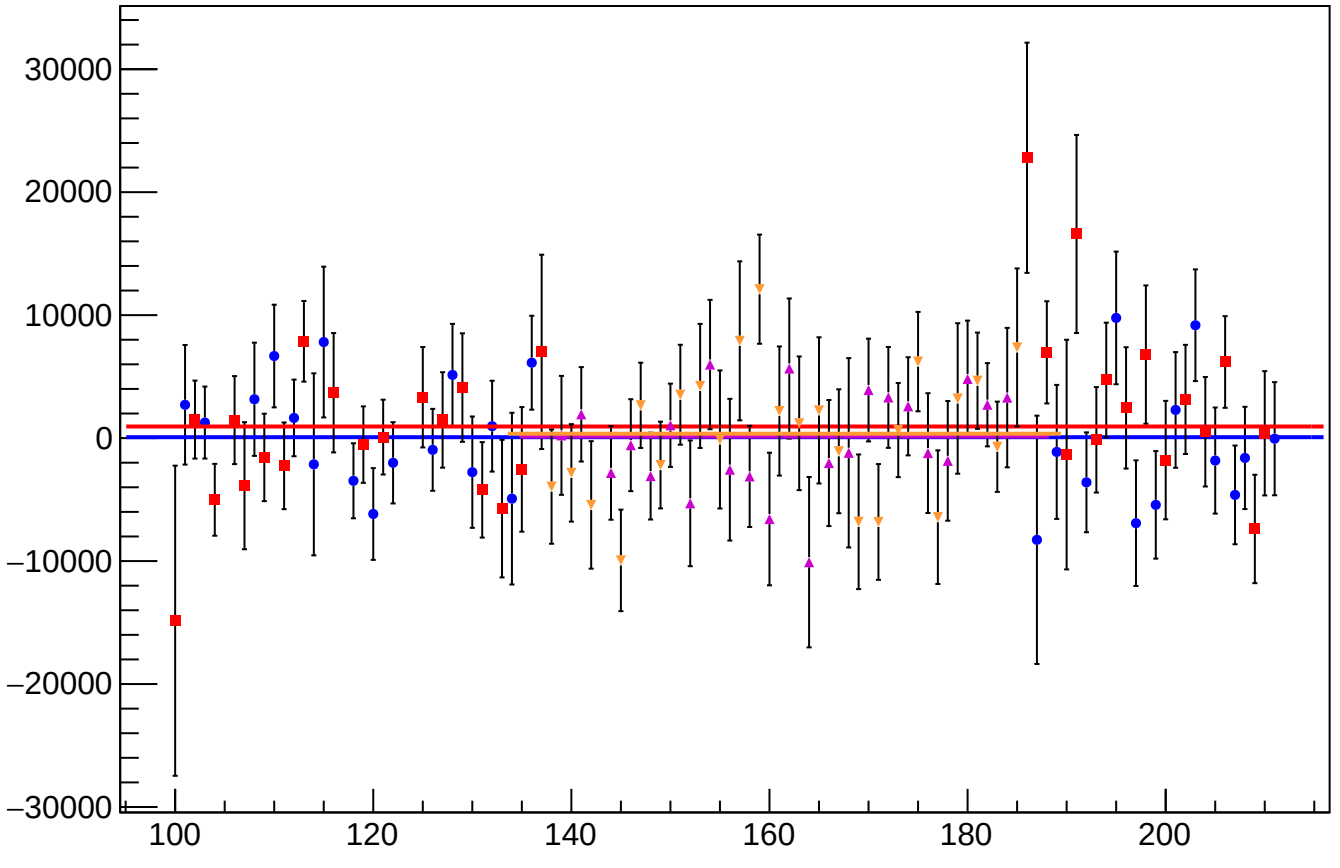
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 926.101+/-0.113 χ^2/NDF: 1188607.3/59

In: 1001.882+/-0.121 χ^2/NDF:1595884.1/50

Out: 1000.707+/-0.119 χ^2/NDF:1553820.1/55

All: 1001.281+/-0.085 χ^2/NDF: 3149752.3/10



Right In: 73.748+/-794.272 χ^2/NDF: 29.2/27

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 943.471+/-755.434 χ^2/NDF: 37.6/31

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

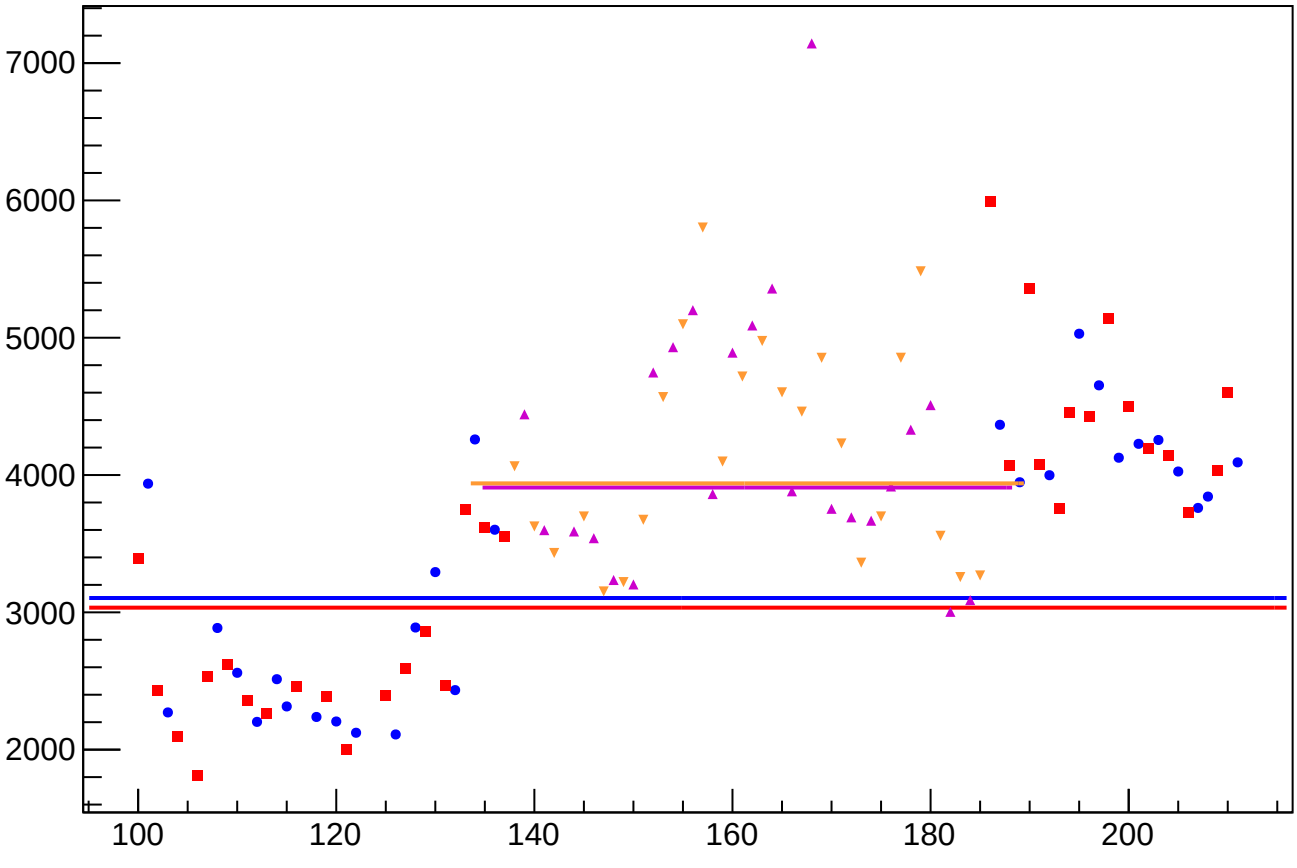
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 530.393+/-547.388 χ^2/NDF: 67.4/59

In: 95.981+/-604.699 χ^2/NDF:42.9/50

Out: 711.892+/-587.415 χ^2/NDF:68.1/55

All: 412.864+/-421.343 χ^2/NDF: 111.6/106



Right In: 3104.387+/-0.562 χ^2/NDF: 2533912.7/27

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3034.159+/-0.534 χ^2/NDF: 3252998.2/31

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

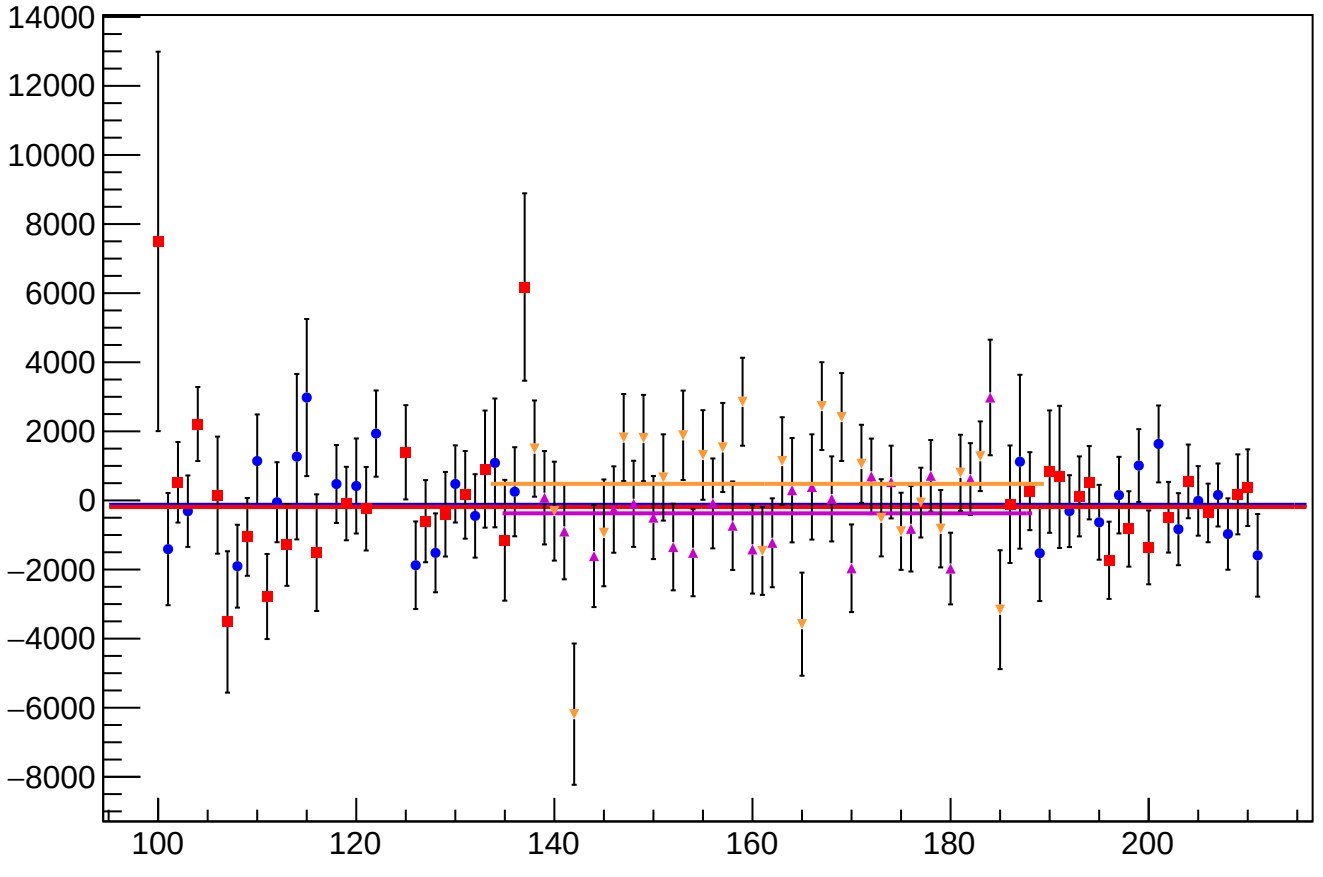
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3067.514+/-0.387 χ^2/NDF: 5795120.3/59

In: 3442.688+/-0.428 χ^2/NDF:4697772.2/50

Out: 3392.001+/-0.415 χ^2/NDF:5480739.4/55

All: 3416.610+/-0.298 χ^2/NDF: 10185741.3/1



Right In: -125.996+/-228.698 χ^2/NDF: 21.4/27

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -188.778+/-222.082 χ^2/NDF: 29.9/31

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

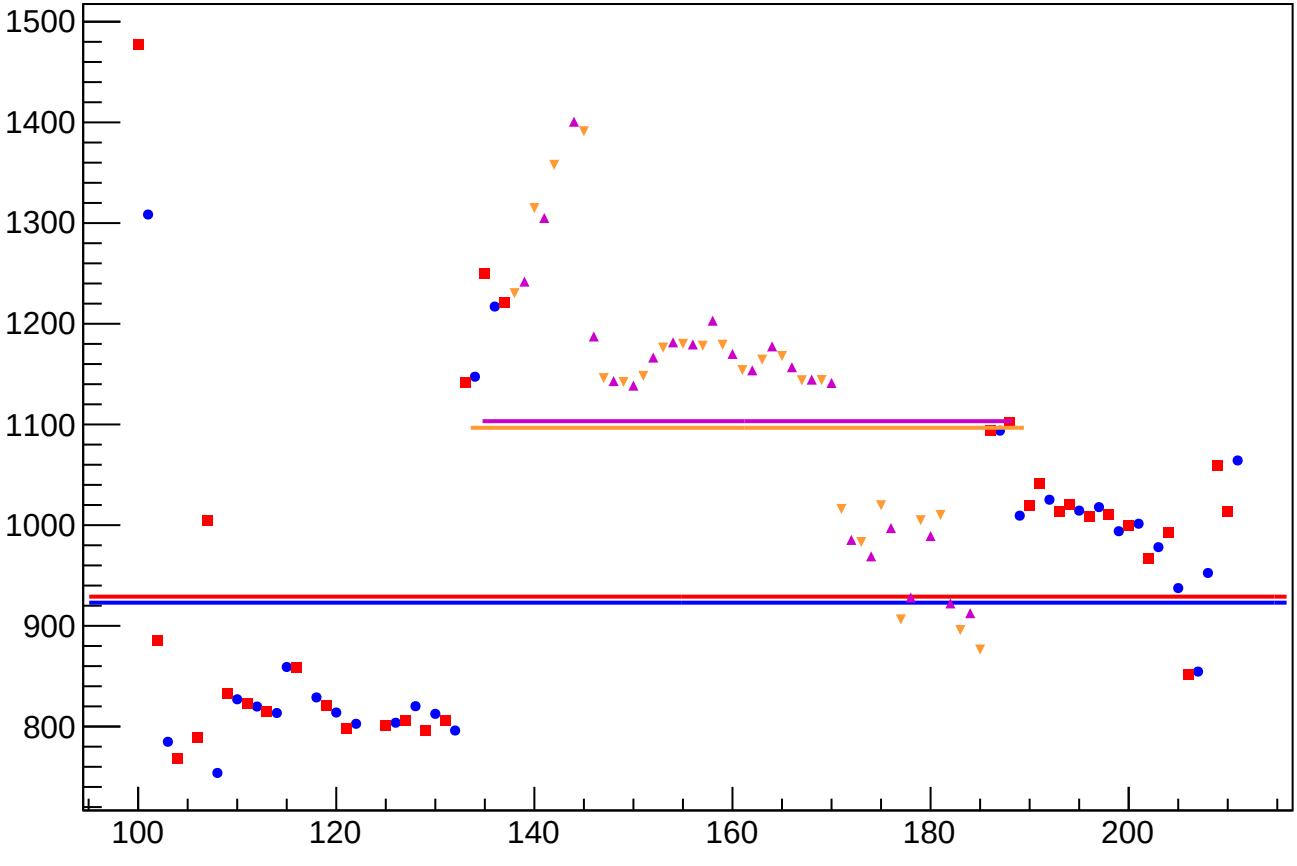
Right: -158.308+/-159.324 χ^2/NDF: 51.3/59

In: -234.019+/-171.522 χ^2/NDF:37.9/50

Out: 97.801+/-167.848 χ^2/NDF:79.0/55

All: -64.517+/-119.964 χ^2/NDF: 118.8/106

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 923.014+/-0.162 χ^2/NDF: 604689.1/27

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 928.997+/-0.157 χ^2/NDF: 583211.9/31

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

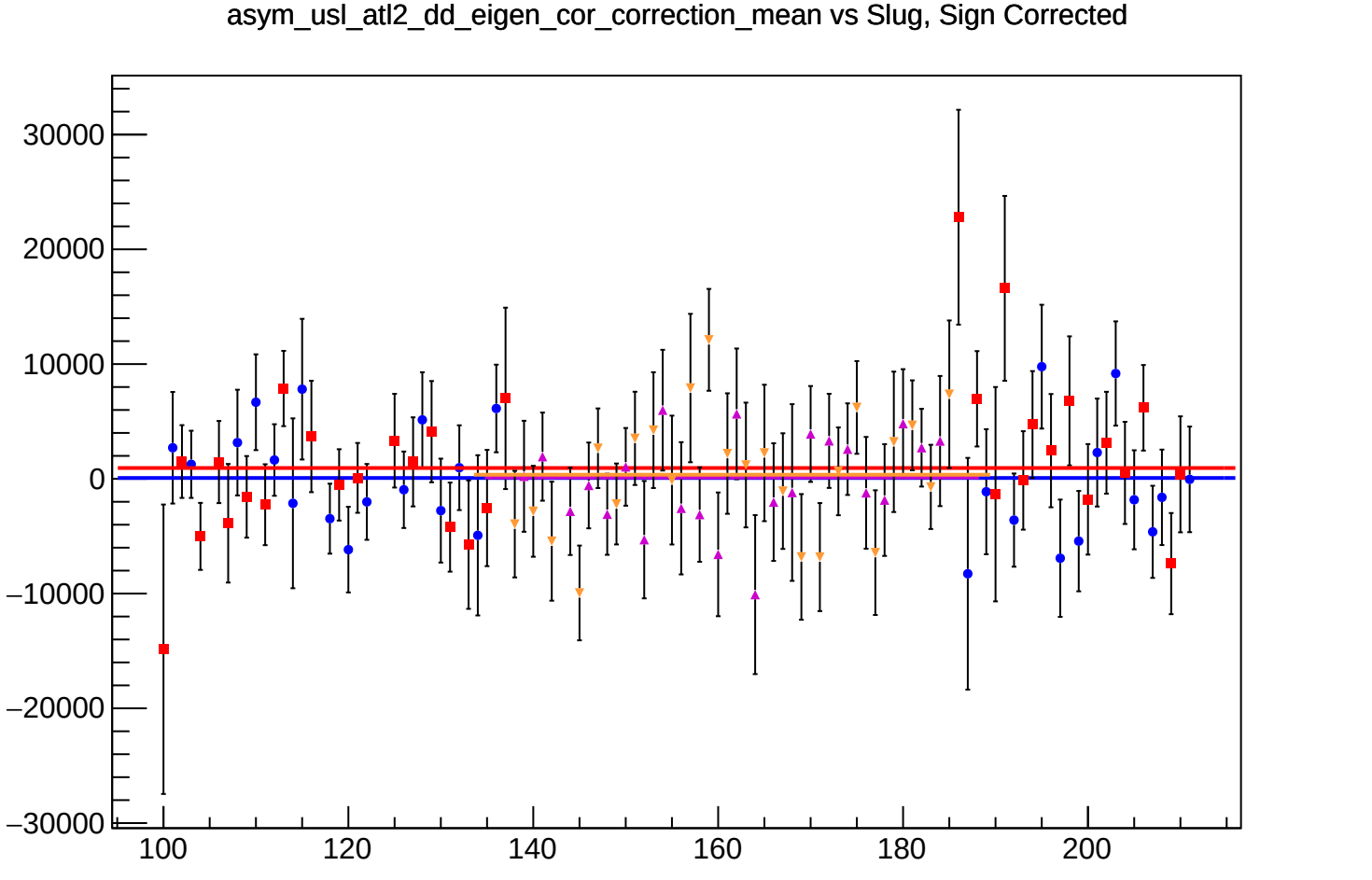
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 926.101+/-0.113 χ^2/NDF: 1188607.3/59

In: 1001.882+/-0.121 χ^2/NDF:1595884.1/50

Out: 1000.707+/-0.119 χ^2/NDF:1553820.1/55

All: 1001.281+/-0.085 χ^2/NDF: 3149752.3/10



Right In: 73.748+/-794.272 χ^2/NDF: 29.2/27

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 943.471+/-755.434 χ^2/NDF: 37.6/31

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

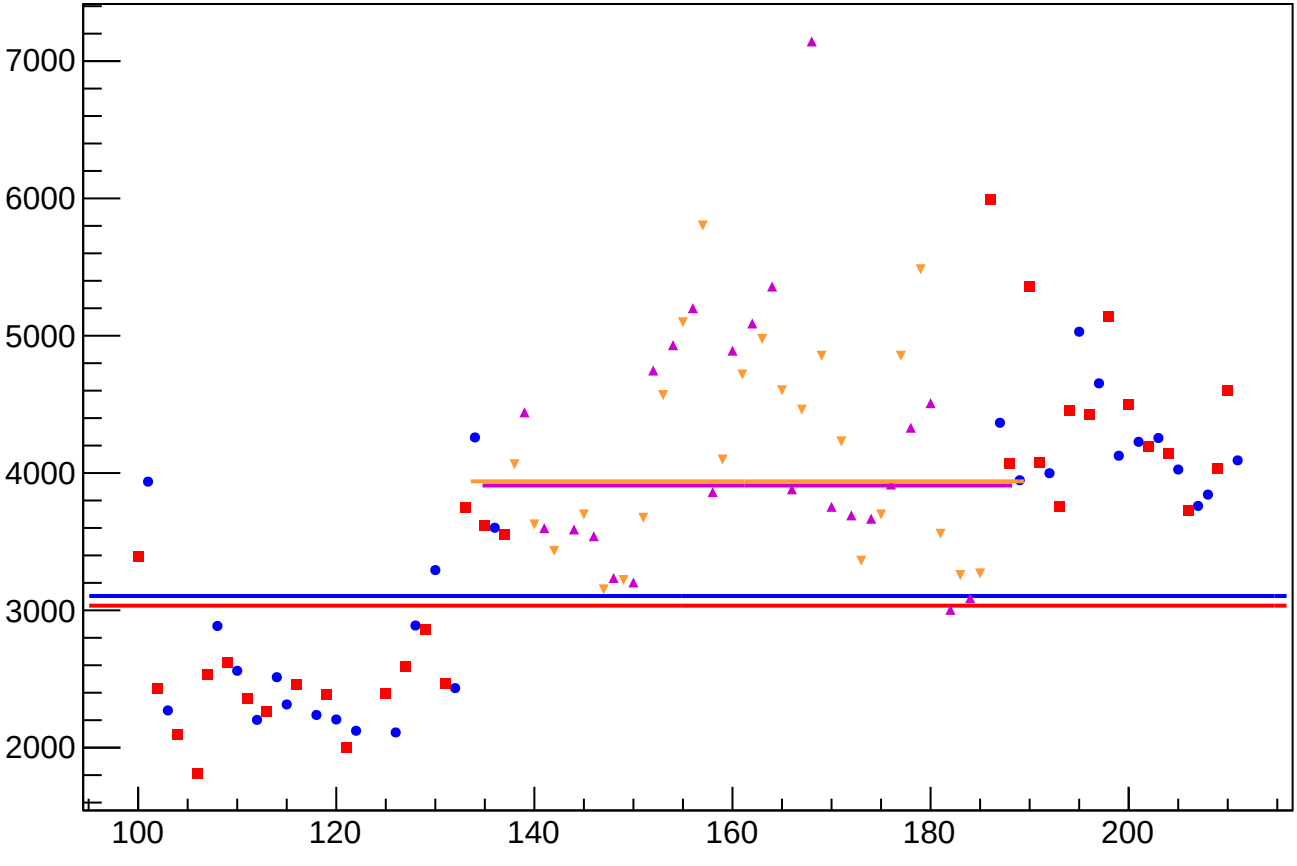
Right: 530.393+/-547.388 χ^2/NDF: 67.4/59

In: 95.981+/-604.699 χ^2/NDF:42.9/50

Out: 711.892+/-587.415 χ^2/NDF:68.1/55

All: 412.864+/-421.343 χ^2/NDF: 111.6/106

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3104.387+/-0.562 χ^2/NDF: 2533912.7/27

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3034.159+/-0.534 χ^2/NDF: 3252998.2/31

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

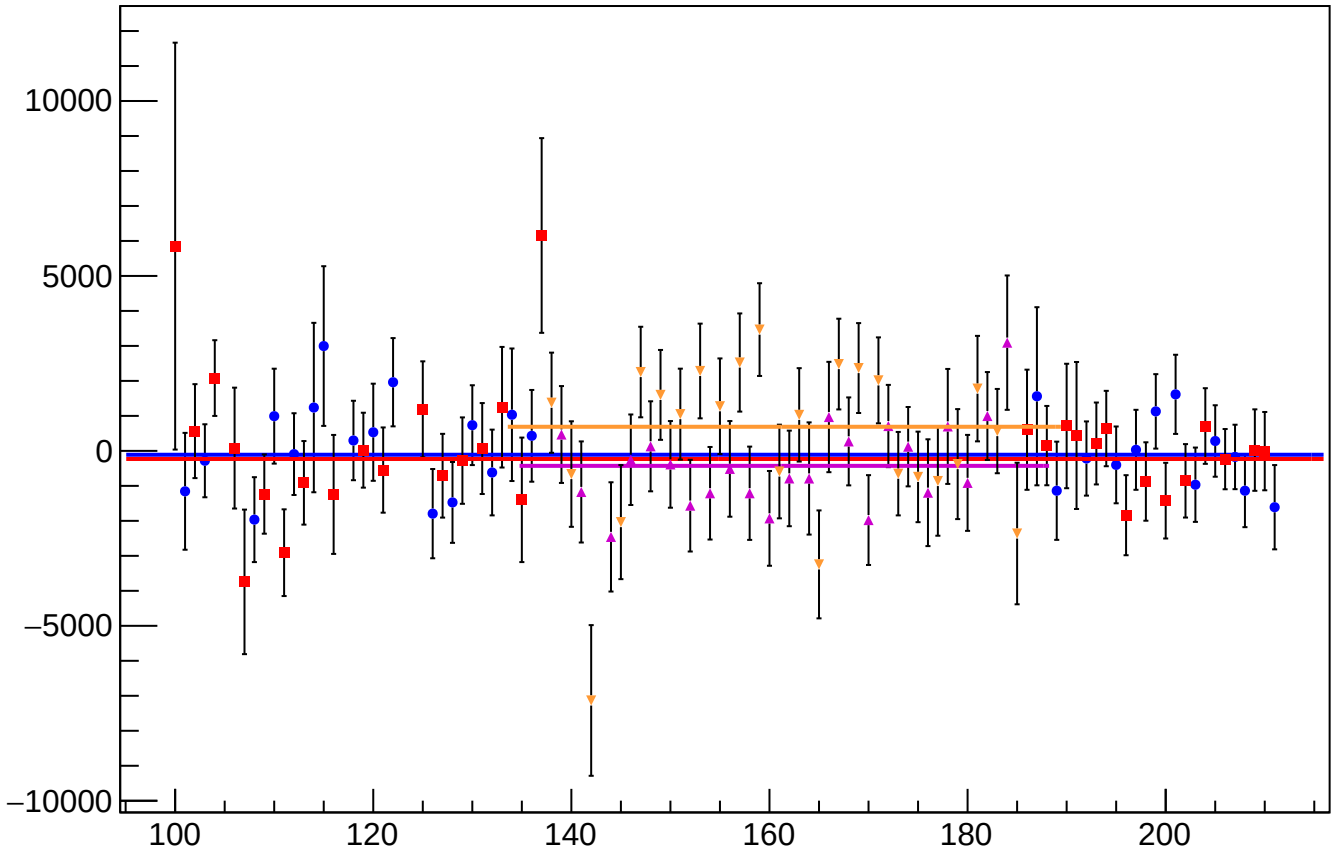
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3067.514+/-0.387 χ^2/NDF: 5795120.3/59

In: 3442.688+/-0.428 χ^2/NDF:4697772.2/50

Out: 3392.001+/-0.415 χ^2/NDF:5480739.4/55

All: 3416.610+/-0.298 χ^2/NDF: 10185741.3/1



Right In: -110.469+/-231.714 χ^2/NDF: 21.1/27

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -231.693+/-225.837 χ^2/NDF: 29.2/31

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

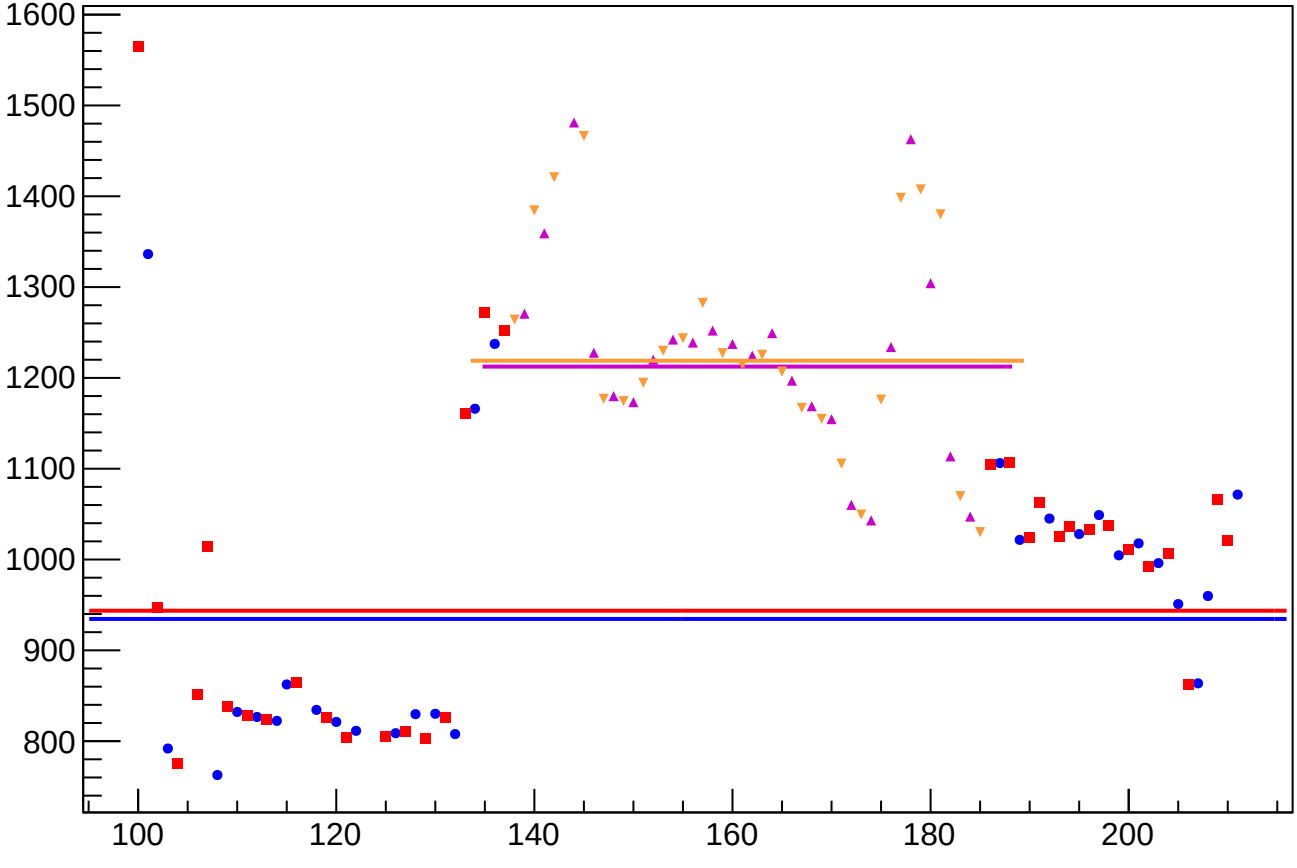
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -172.638+/-161.729 χ^2/NDF: 50.4/59

In: -237.185+/-179.634 χ^2/NDF:36.4/50

Out: 124.406+/-176.856 χ^2/NDF:81.3/55

All: -53.571+/-126.027 χ^2/NDF: 119.8/106



Right In: 934.571+/-0.164 χ^2/NDF: 625402.5/27

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 943.639+/-0.160 χ^2/NDF: 588957.0/31

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

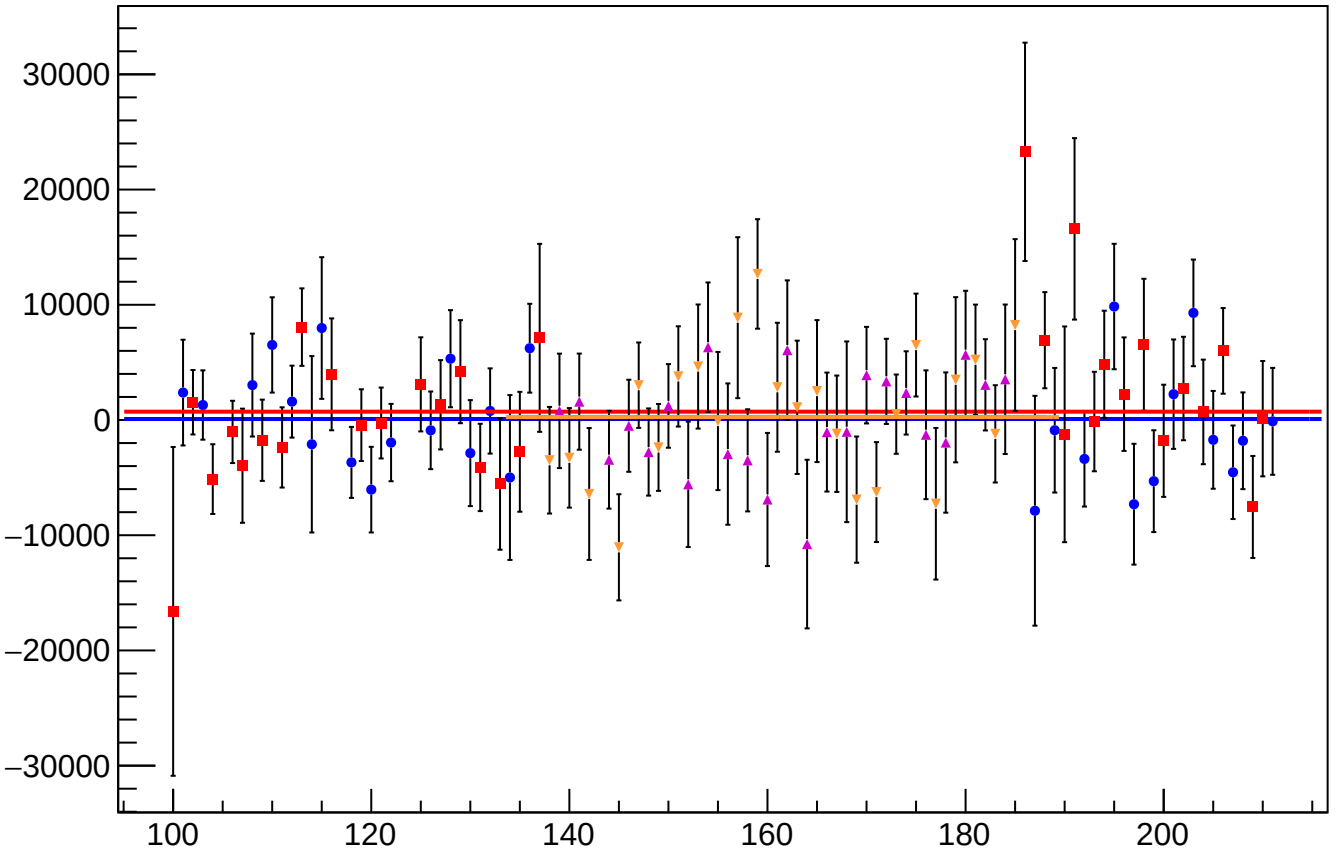
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 939.223+/-0.114 χ^2/NDF: 1215931.1/59

In: 1045.443+/-0.127 χ^2/NDF:2033352.2/50

Out: 1050.042+/-0.125 χ^2/NDF:2032548.7/55

All: 1047.779+/-0.089 χ^2/NDF: 4066566.7/10



Right In: 86.176+/-799.204 χ^2/NDF: 28.9/27

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 723.049+/-740.795 χ^2/NDF: 38.1/31

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

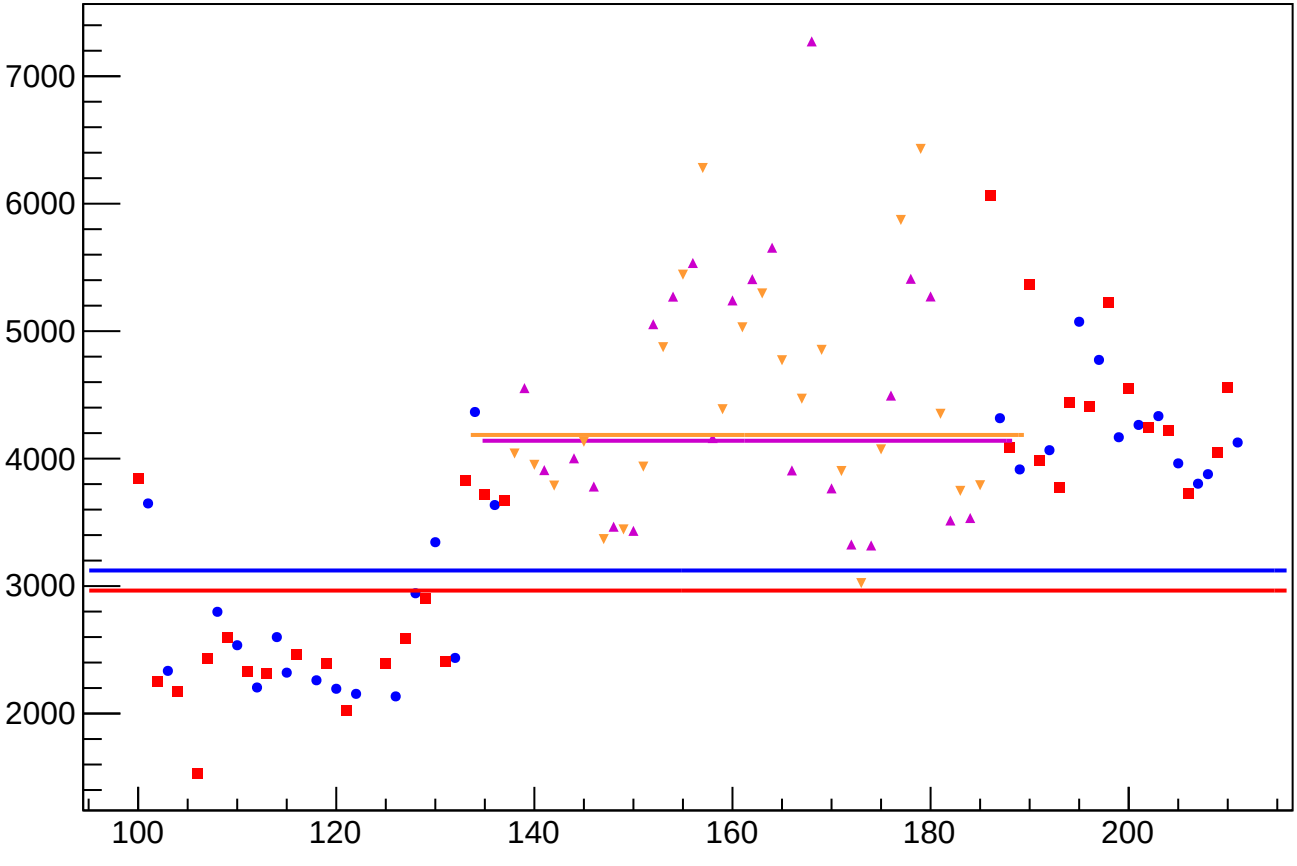
Right: 428.733+/-543.298 χ^2/NDF: 67.3/59

In: 157.213+/-621.880 χ^2/NDF:42.3/50

Out: 555.379+/-594.228 χ^2/NDF:68.0/55

All: 365.345+/-429.626 χ^2/NDF: 110.5/106

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3122.314+/-0.565 χ^2/NDF: 2512359.2/27

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2964.768+/-0.524 χ^2/NDF: 3721221.5/31

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

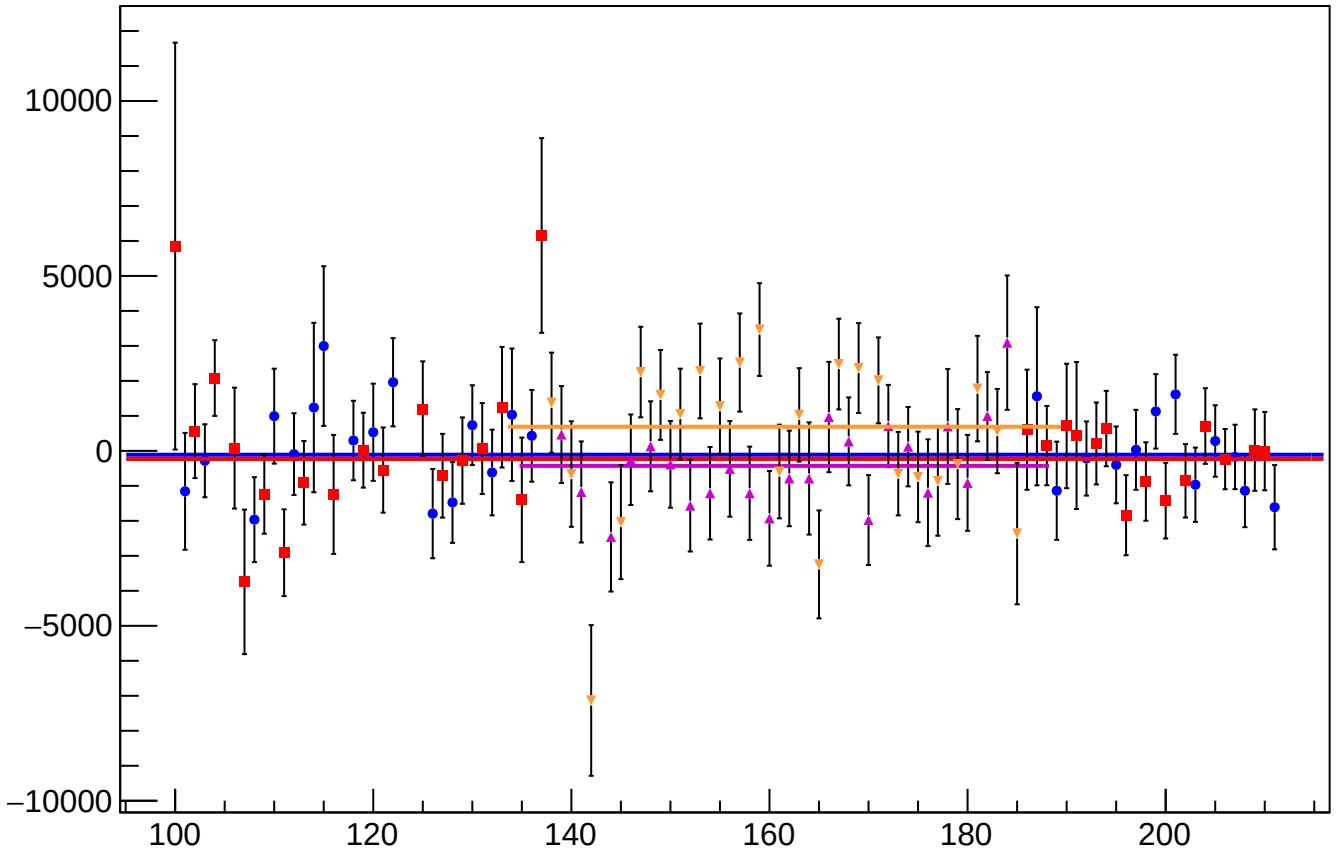
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3037.574+/-0.384 χ^2/NDF: 6275383.7/59

In: 3523.833+/-0.440 χ^2/NDF:5241832.9/50

Out: 3400.084+/-0.420 χ^2/NDF:6929403.3/55

All: 3459.146+/-0.304 χ^2/NDF: 12212633.7/



Right In: -110.471+/-231.714 χ^2/NDF: 21.1/27

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -231.693+/-225.837 χ^2/NDF: 29.2/31

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

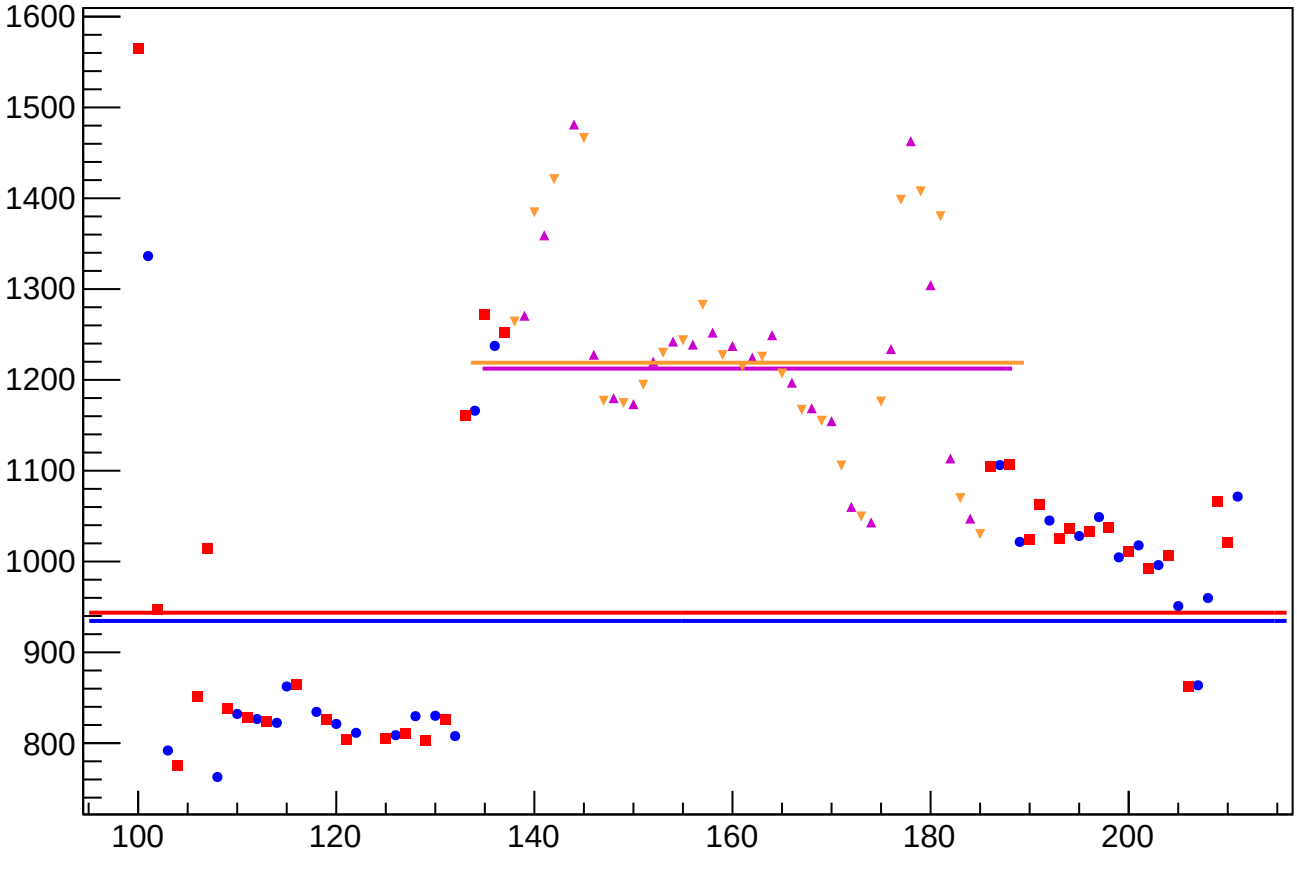
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -172.638+/-161.729 χ^2/NDF: 50.4/59

In: -237.184+/-179.634 χ^2/NDF:36.4/50

Out: 124.407+/-176.856 χ^2/NDF:81.3/55

All: -53.570+/-126.027 χ^2/NDF: 119.8/106



Right In: 934.571+/-0.164 χ^2/NDF: 625402.4/27

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 943.639+/-0.160 χ^2/NDF: 588957.4/31

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

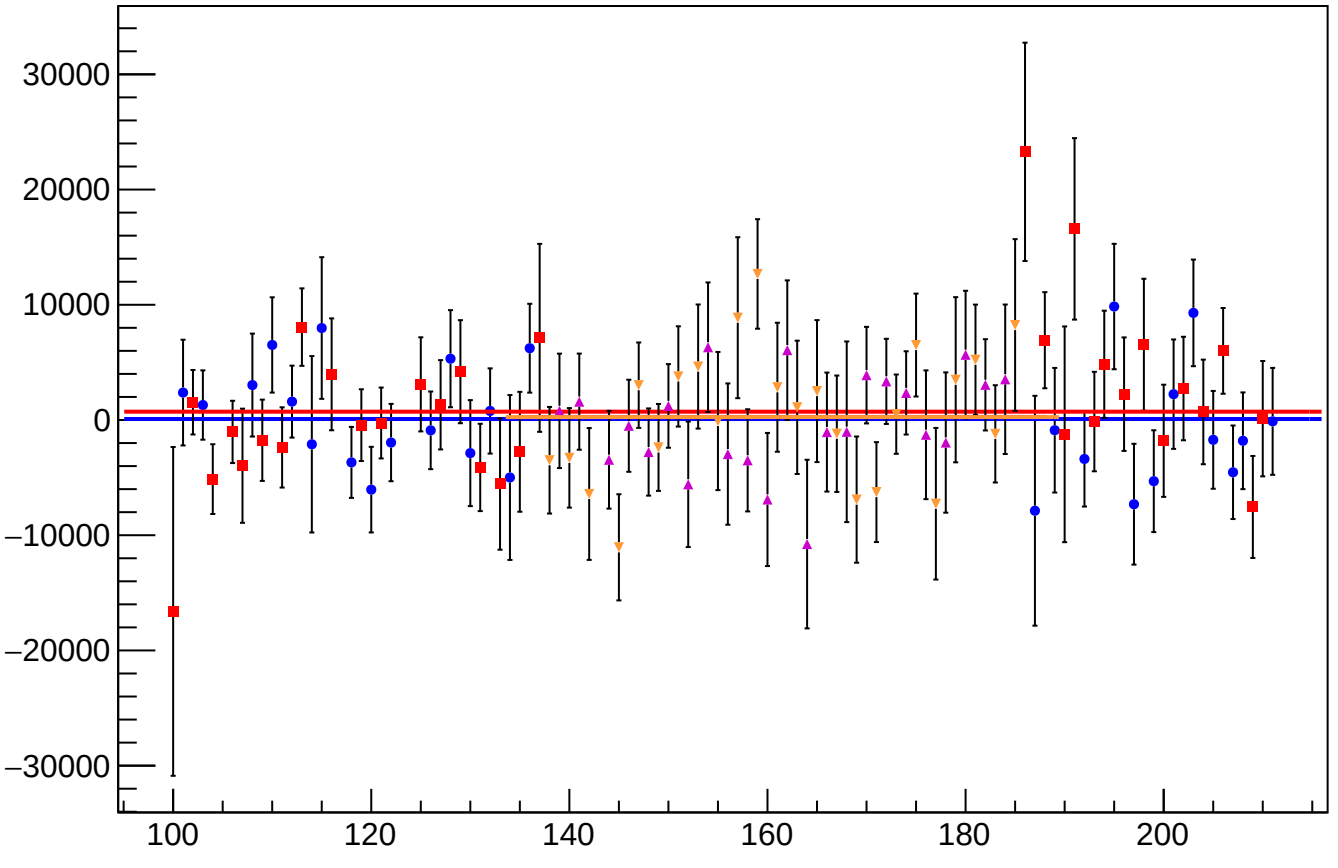
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 939.223+/-0.114 χ^2/NDF: 1215931.4/59

In: 1045.444+/-0.127 χ^2/NDF:2033368.3/50

Out: 1050.042+/-0.125 χ^2/NDF:2032567.0/55

All: 1047.779+/-0.089 χ^2/NDF: 4066601.0/10



Right In: 86.175+/-799.203 χ^2/NDF: 28.9/27

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 723.044+/-740.794 χ^2/NDF: 38.1/31

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

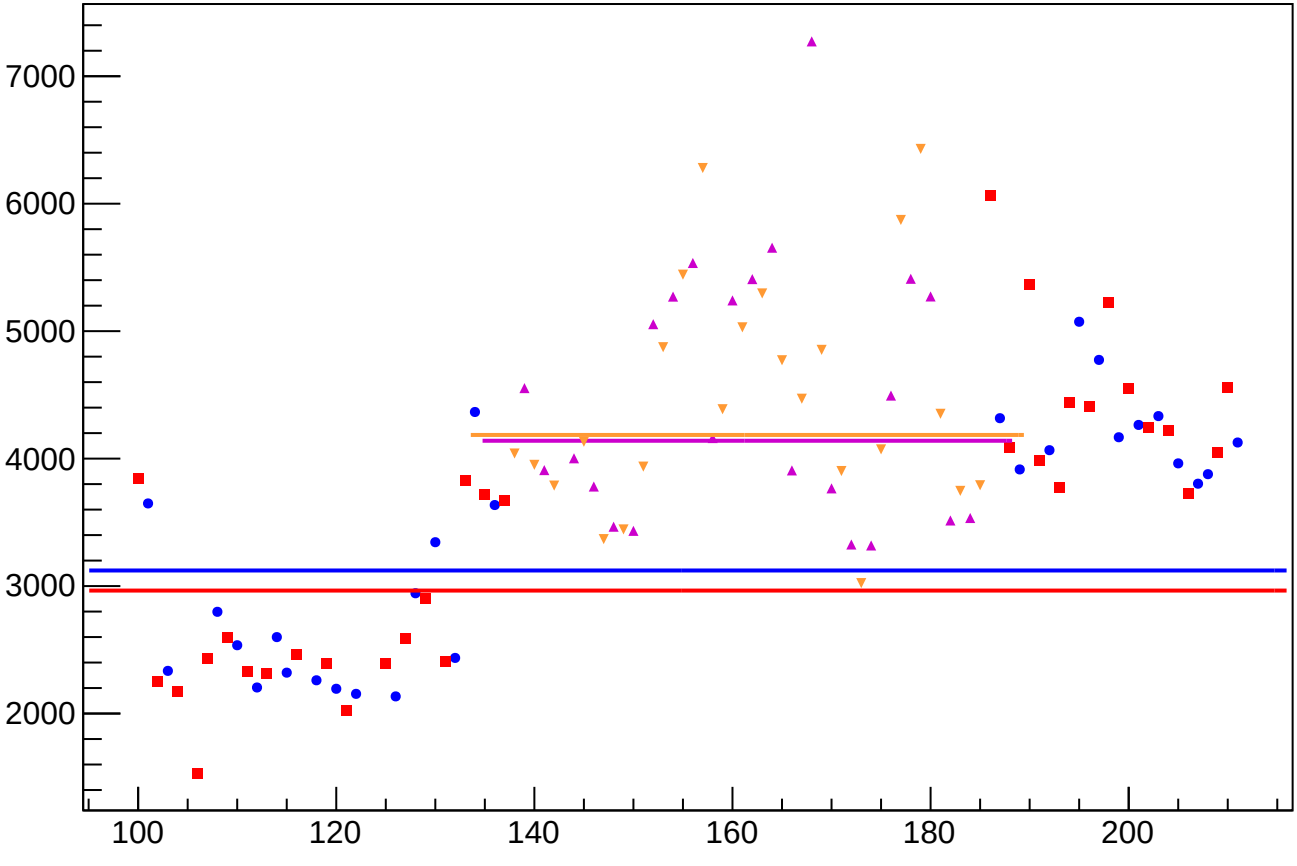
Right: 428.730+/-543.297 χ^2/NDF: 67.3/59

In: 157.213+/-621.880 χ^2/NDF:42.3/50

Out: 555.377+/-594.227 χ^2/NDF:68.0/55

All: 365.344+/-429.626 χ^2/NDF: 110.5/106

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3122.308+/-0.565 χ^2/NDF: 2512406.4/27

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2964.762+/-0.524 χ^2/NDF: 3721263.2/31

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

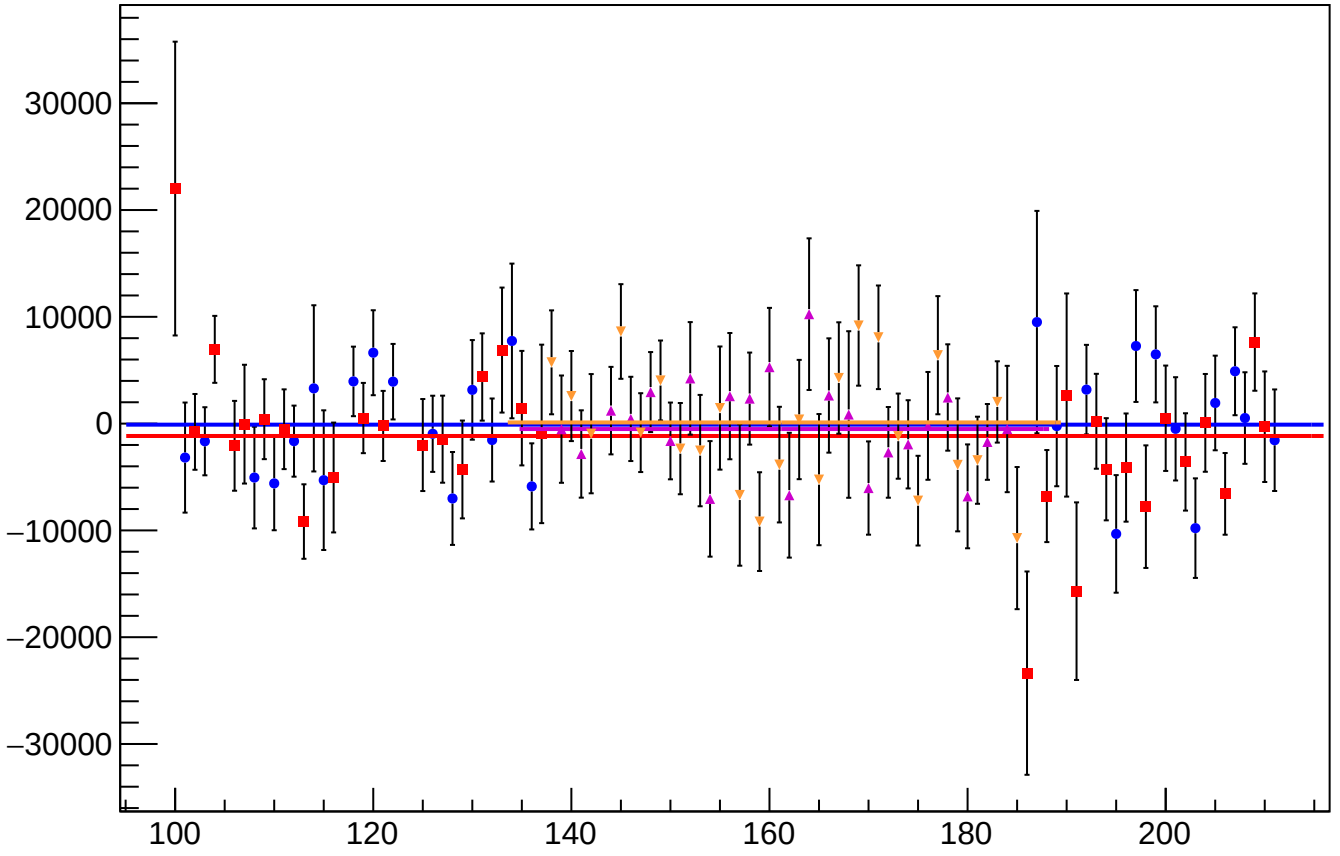
Right: 3037.568+/-0.384 χ^2/NDF: 6275472.7/59

In: 3523.831+/-0.440 χ^2/NDF:5241912.4/50

Out: 3400.082+/-0.420 χ^2/NDF:6929484.9/55

All: 3459.144+/-0.304 χ^2/NDF: 12212795.2/

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -98.074+/-833.949 χ^2/NDF: 31.6/27

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1158.546+/-798.496 χ^2/NDF: 39.3/31

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

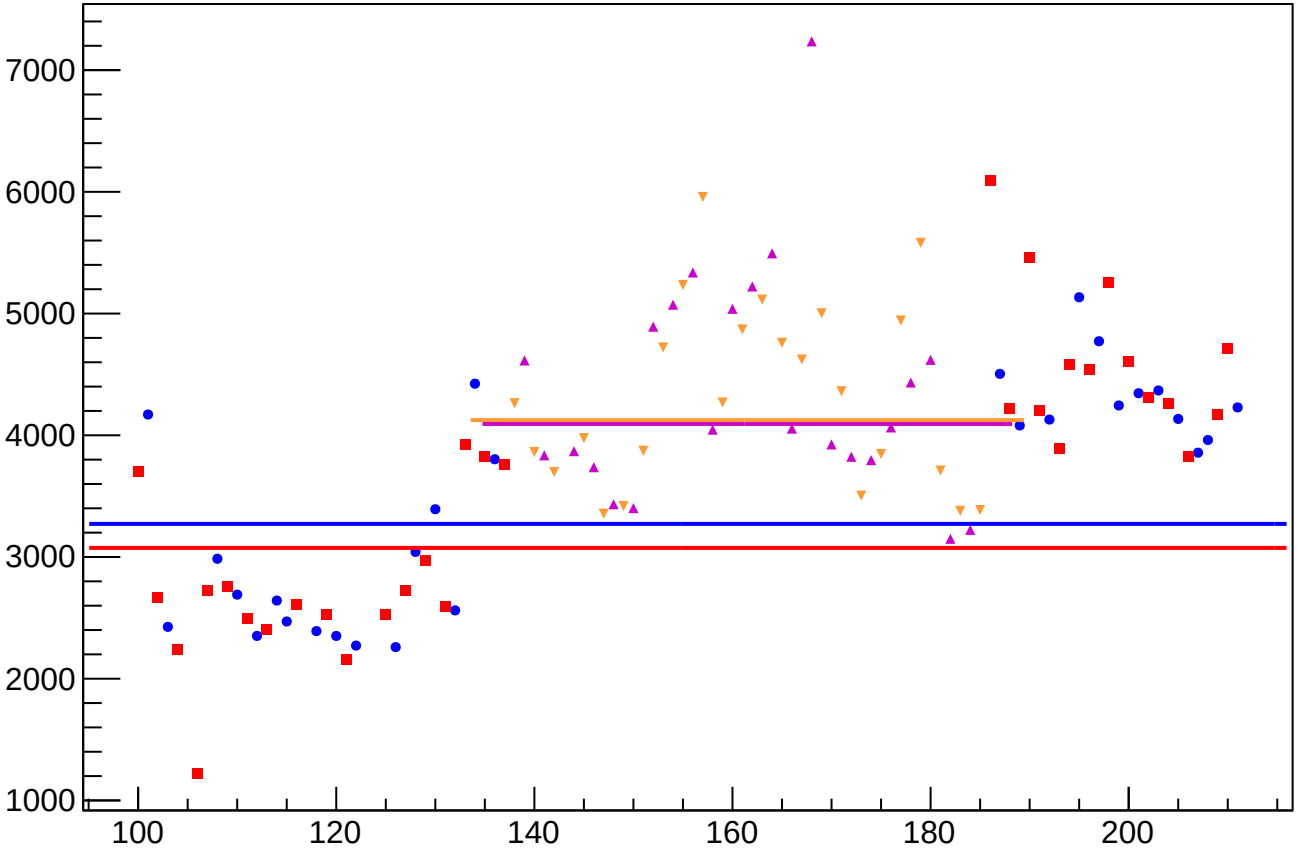
Right: -651.330+/-576.748 χ^2/NDF: 71.7/59

In: -271.870+/-633.521 χ^2/NDF:45.2/50

Out: -650.073+/-617.915 χ^2/NDF:68.3/55

All: -465.687+/-442.346 χ^2/NDF: 113.7/106

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3272.136+/-0.590 χ^2/NDF: 2270939.7/27

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3074.951+/-0.547 χ^2/NDF: 3886987.6/31

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

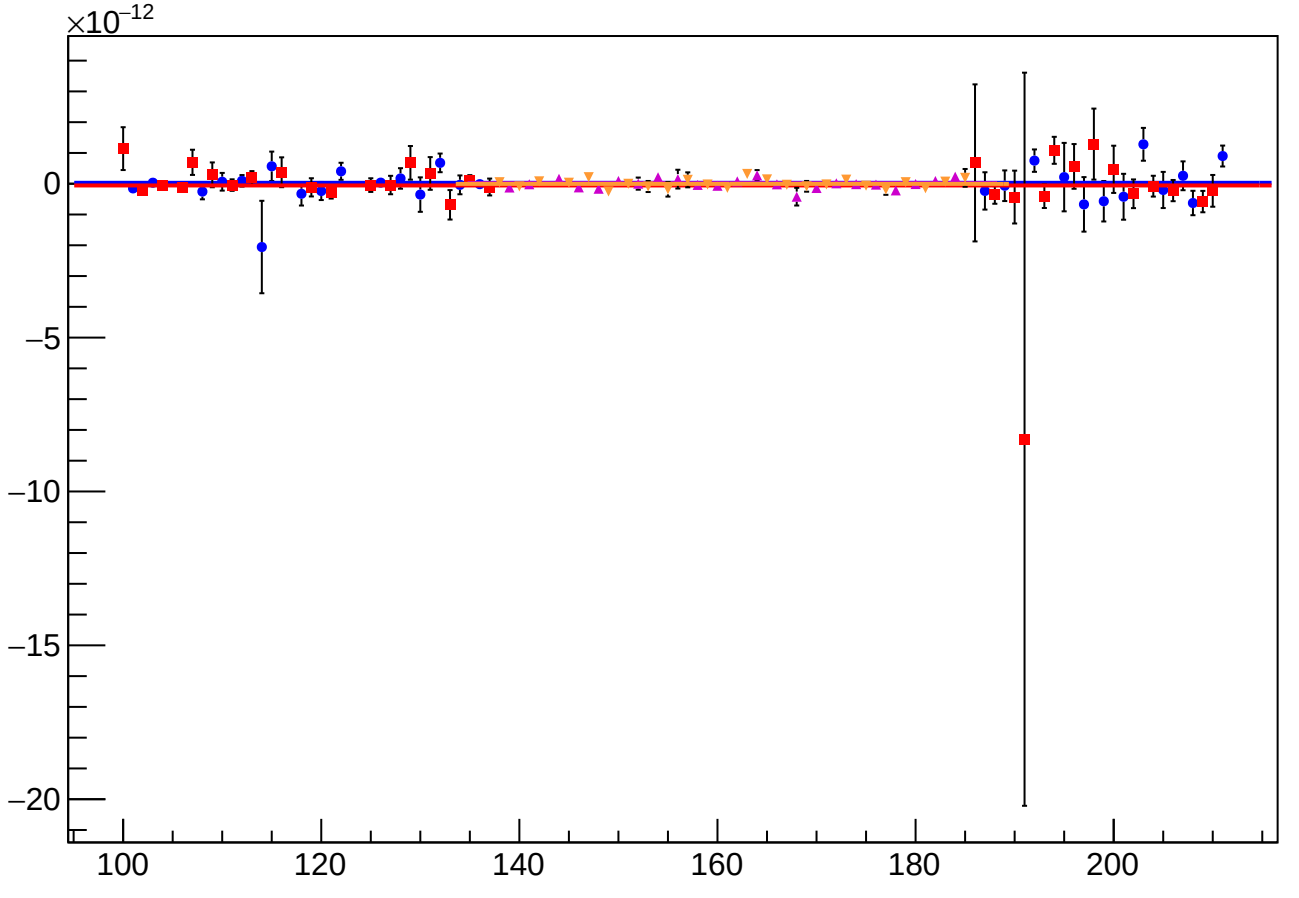
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3166.214+/-0.401 χ^2/NDF: 6217991.1/59

In: 3619.317+/-0.448 χ^2/NDF:4253412.3/50

Out: 3480.429+/-0.429 χ^2/NDF:6277307.2/55

All: 3546.836+/-0.310 χ^2/NDF: 10580884.2/



Right In: 0.000+/-0.000 χ^2/NDF: 36.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/31

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

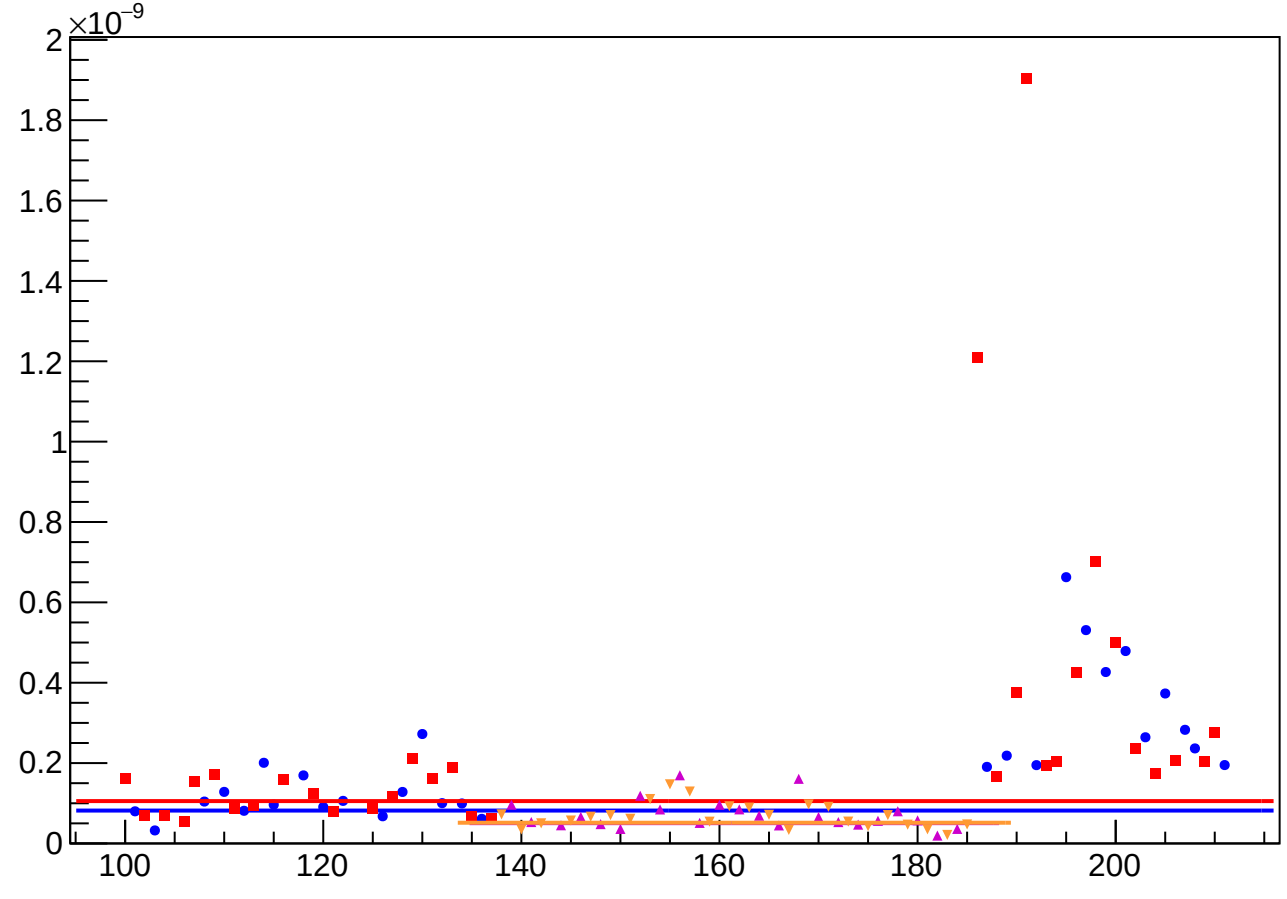
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 70.6/59

In: 0.000+/-0.000 χ^2/NDF:62.5/50

Out: -0.000+/-0.000 χ^2/NDF:57.2/55

All: 0.000+/-0.000 χ^2/NDF: 121.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 5714807.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4194793.9/31

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

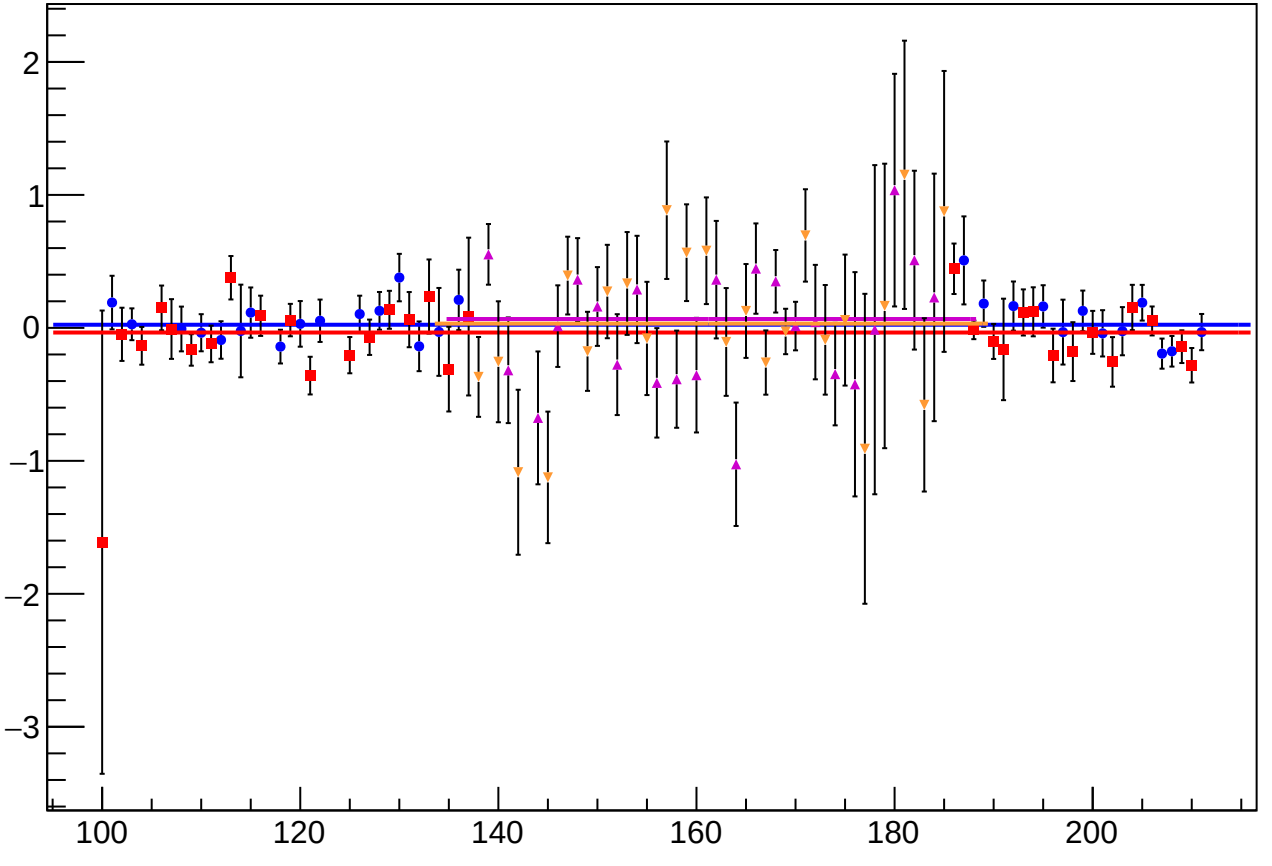
Right: 0.000+/-0.000 χ^2/NDF: 10175258.0/59

In: 0.000+/-0.000 χ^2/NDF:9014537.8/50

Out: 0.000+/-0.000 χ^2/NDF:8462148.3/55

All: 0.000+/-0.000 χ^2/NDF: 17508613.5/106

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

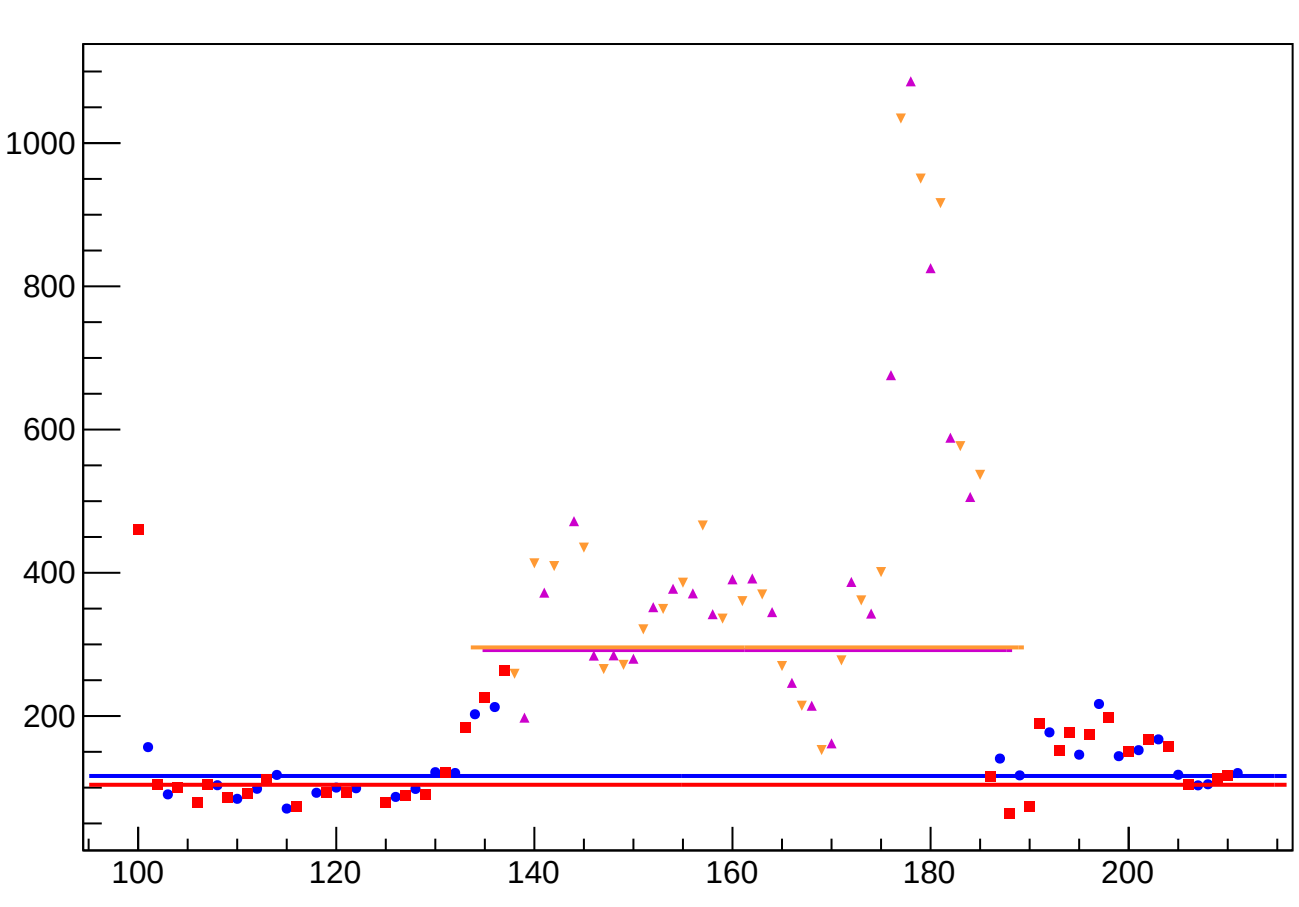
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.009+/-0.020 χ^2/NDF: 64.5/59

In: 0.030+/-0.028 χ^2/NDF:49.2/50

Out: -0.027+/-0.025 χ^2/NDF:69.5/55

All: -0.002+/-0.019 χ^2/NDF: 121.0/106



Right In: 116.278+/-0.021 χ^2/NDF: 2162701.1/27

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 103.985+/-0.019 χ^2/NDF: 3601064.7/31

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

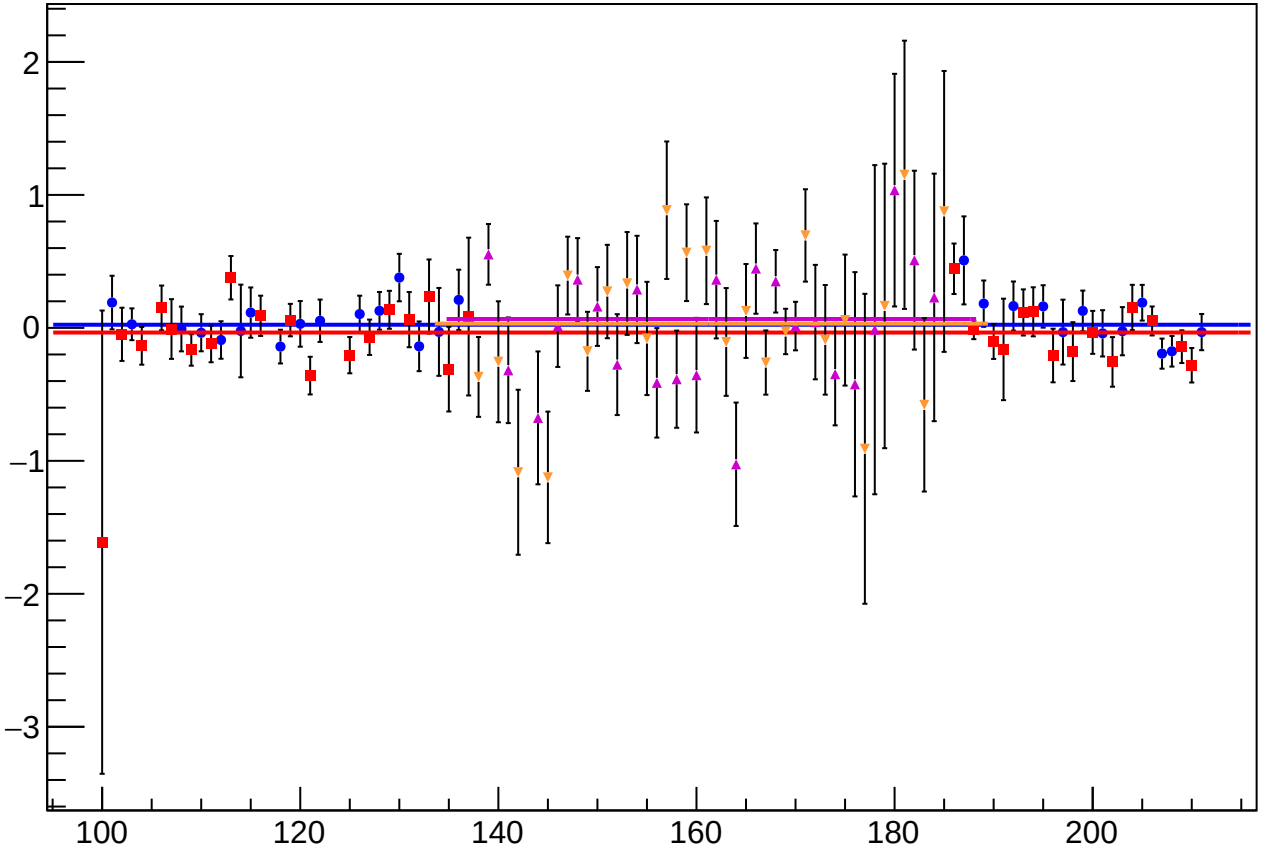
Right: 109.415+/-0.014 χ^2/NDF: 5947845.4/59

In: 141.076+/-0.020 χ^2/NDF:16730347.0/50

Out: 125.379+/-0.018 χ^2/NDF:20419425.0/55

All: 132.443+/-0.013 χ^2/NDF: 37493968.6/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

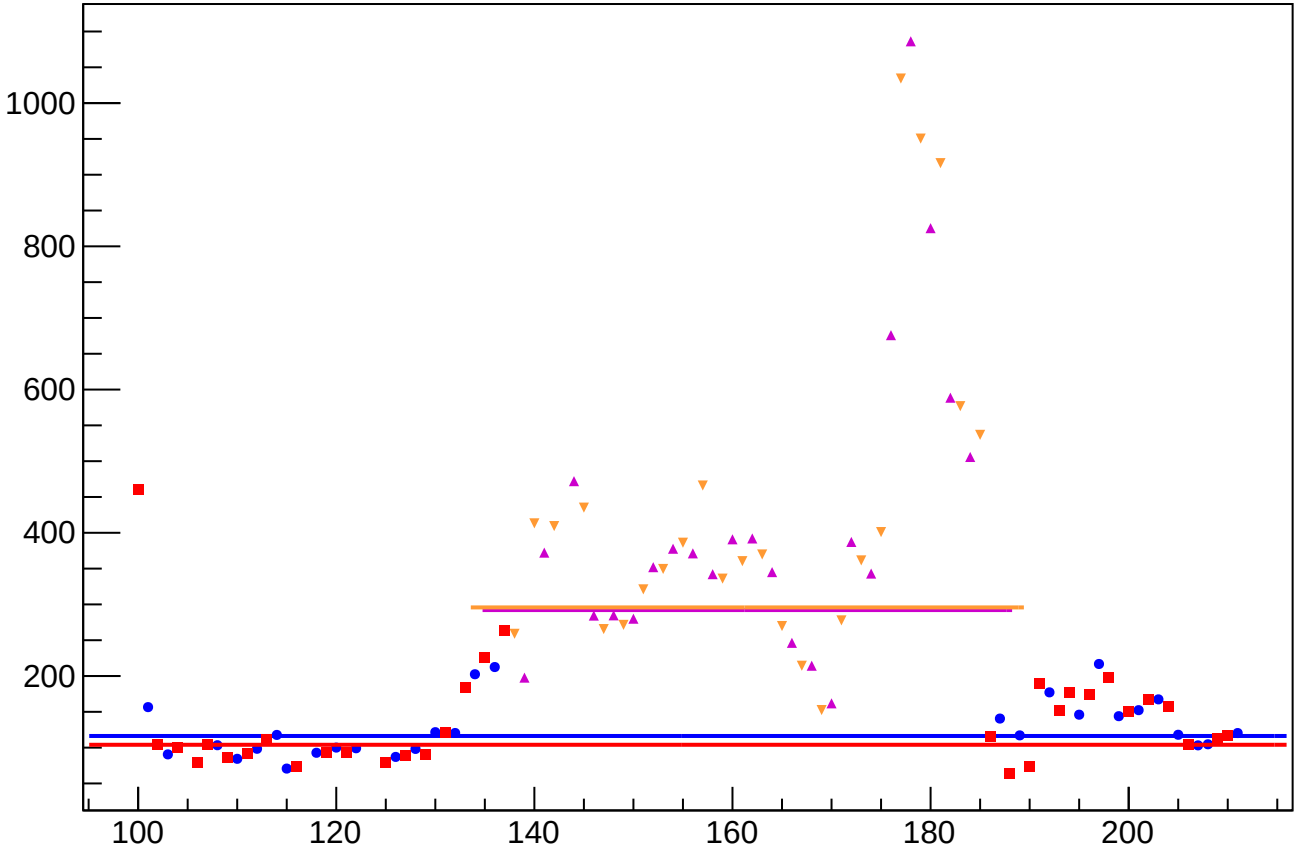
Right: -0.009+/-0.020 χ^2/NDF: 64.5/59

In: 0.030+/-0.028 χ^2/NDF:49.2/50

Out: -0.027+/-0.025 χ^2/NDF:69.5/55

All: -0.002+/-0.019 χ^2/NDF: 121.0/106

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.278+/-0.021 χ^2/NDF: 2162701.1/27

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 103.985+/-0.019 χ^2/NDF: 3601064.7/31

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

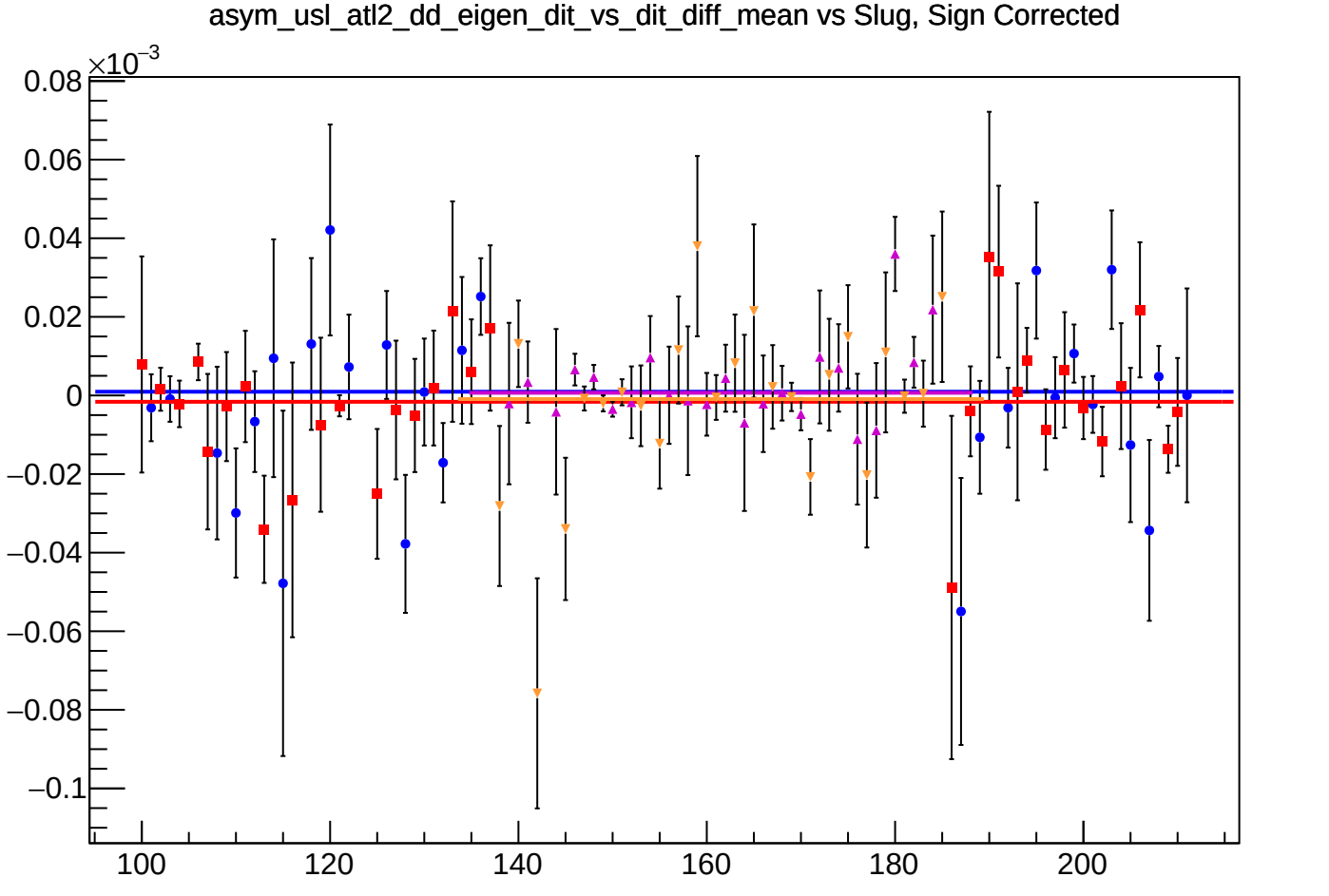
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.415+/-0.014 χ^2/NDF: 5947845.4/59

In: 141.076+/-0.020 χ^2/NDF:16730347.0/50

Out: 125.379+/-0.018 χ^2/NDF:20419425.0/55

All: 132.443+/-0.013 χ^2/NDF: 37493968.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/31

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

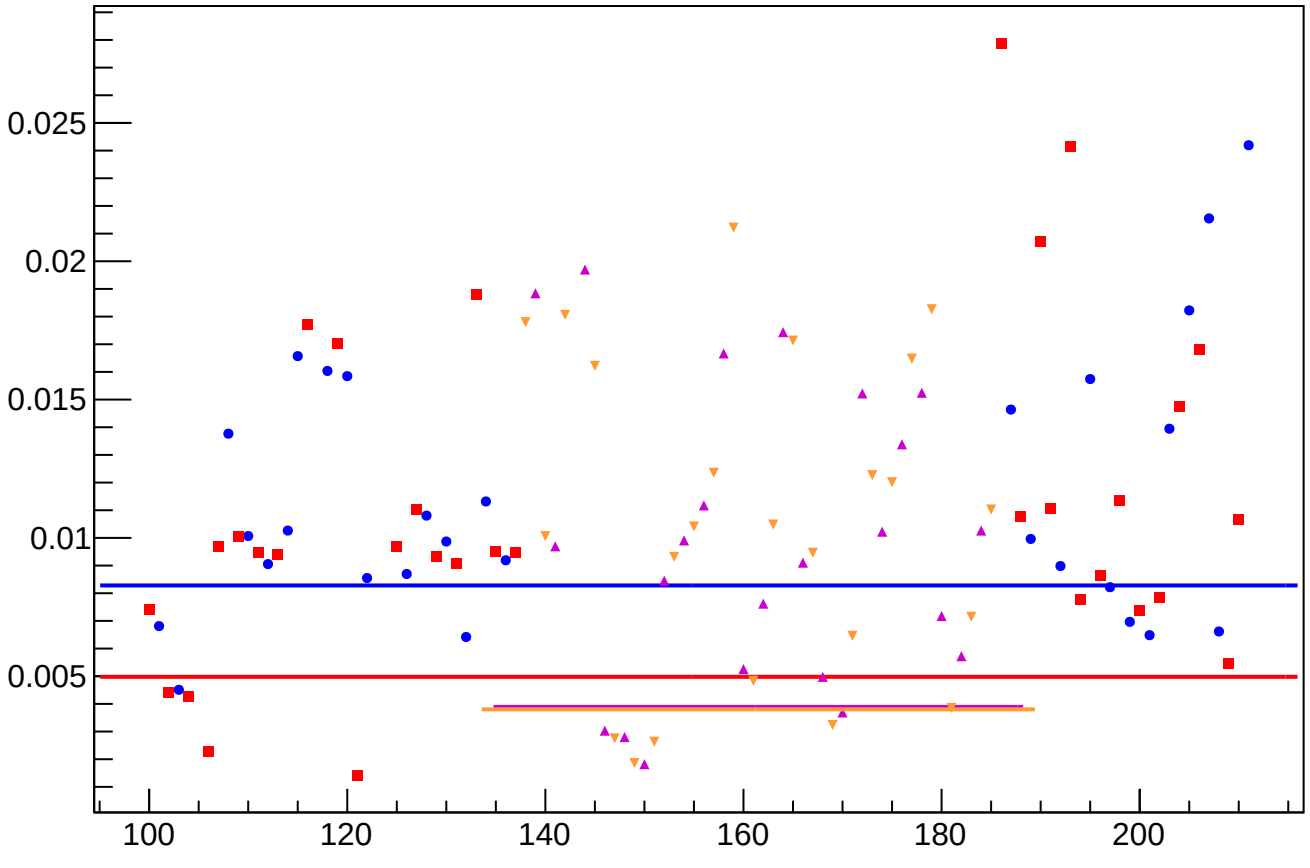
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 71.4/59

In: 0.000+/-0.000 χ^2/NDF:70.0/50

Out: -0.000+/-0.000 χ^2/NDF:59.6/55

All: -0.000+/-0.000 χ^2/NDF: 131.3/106



Right In: 0.008+/-0.000 χ^2/NDF: 4665035.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 13349240.0/31

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

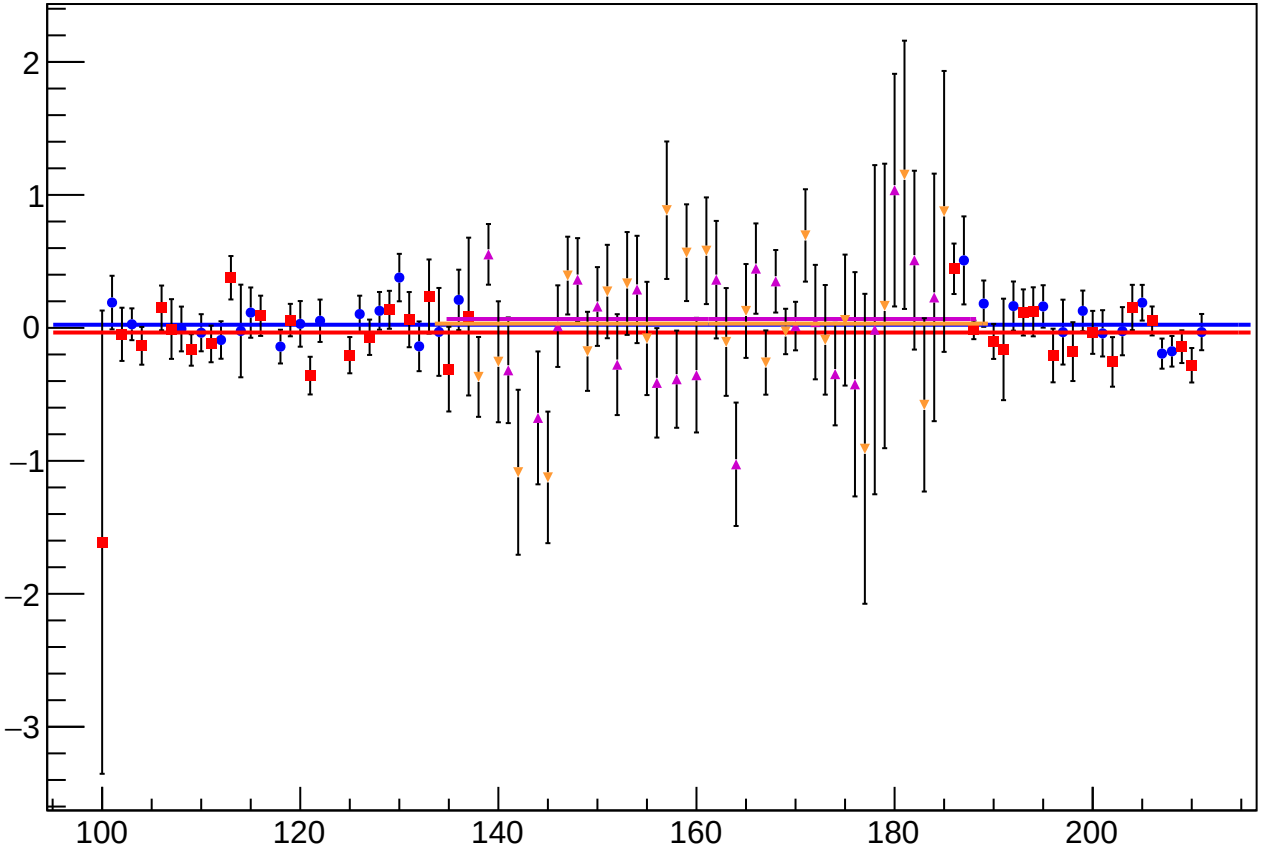
Right: 0.006+/-0.000 χ^2/NDF: 20893192.5/59

In: 0.005+/-0.000 χ^2/NDF:23997028.7/50

Out: 0.004+/-0.000 χ^2/NDF:28685905.6/55

All: 0.005+/-0.000 χ^2/NDF: 53112744.1/106

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

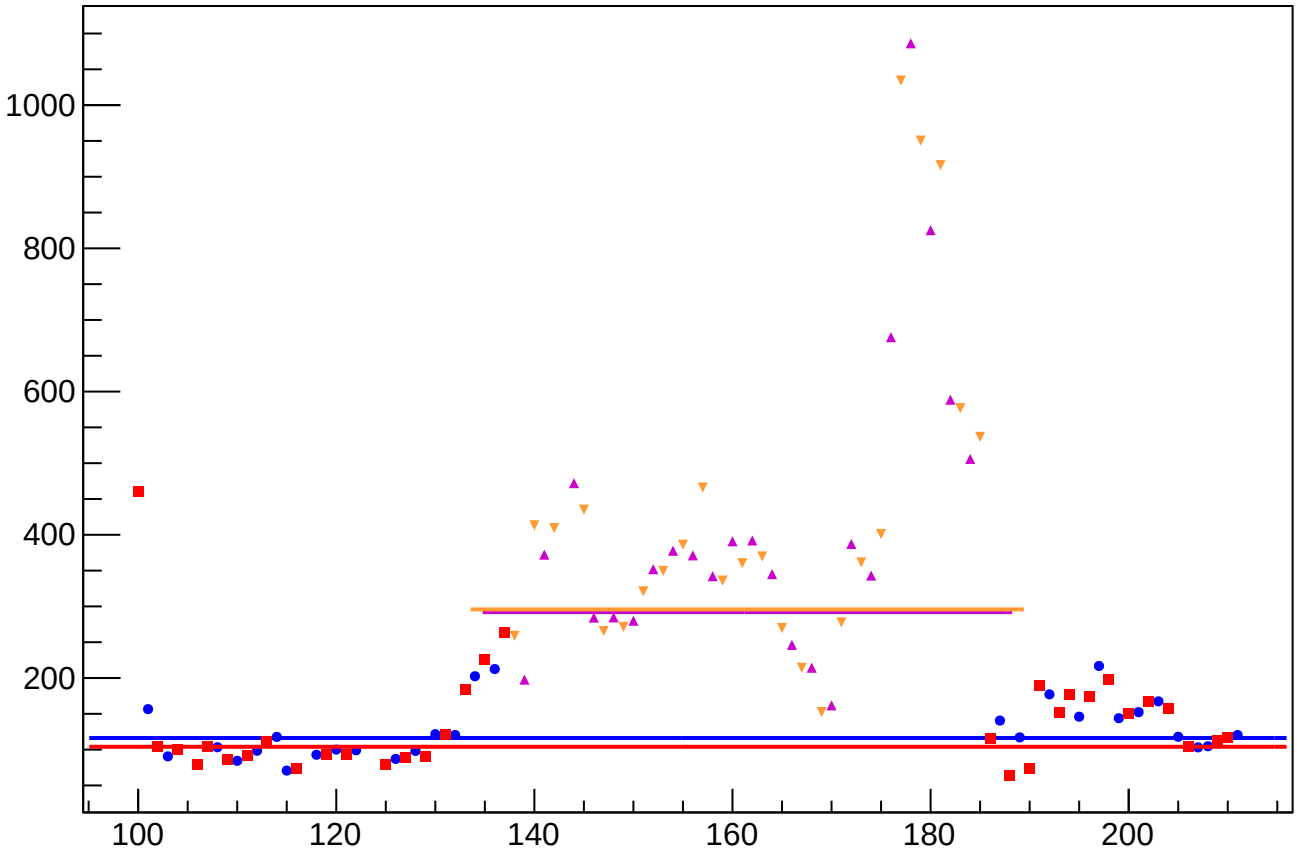
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.009+/-0.020 χ^2/NDF: 64.5/59

In: 0.030+/-0.028 χ^2/NDF:49.2/50

Out: -0.027+/-0.025 χ^2/NDF:69.5/55

All: -0.002+/-0.019 χ^2/NDF: 121.0/106



Right In: 116.279+/-0.021 χ^2/NDF: 2162661.3/27

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.984+/-0.019 χ^2/NDF: 3601234.8/31

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

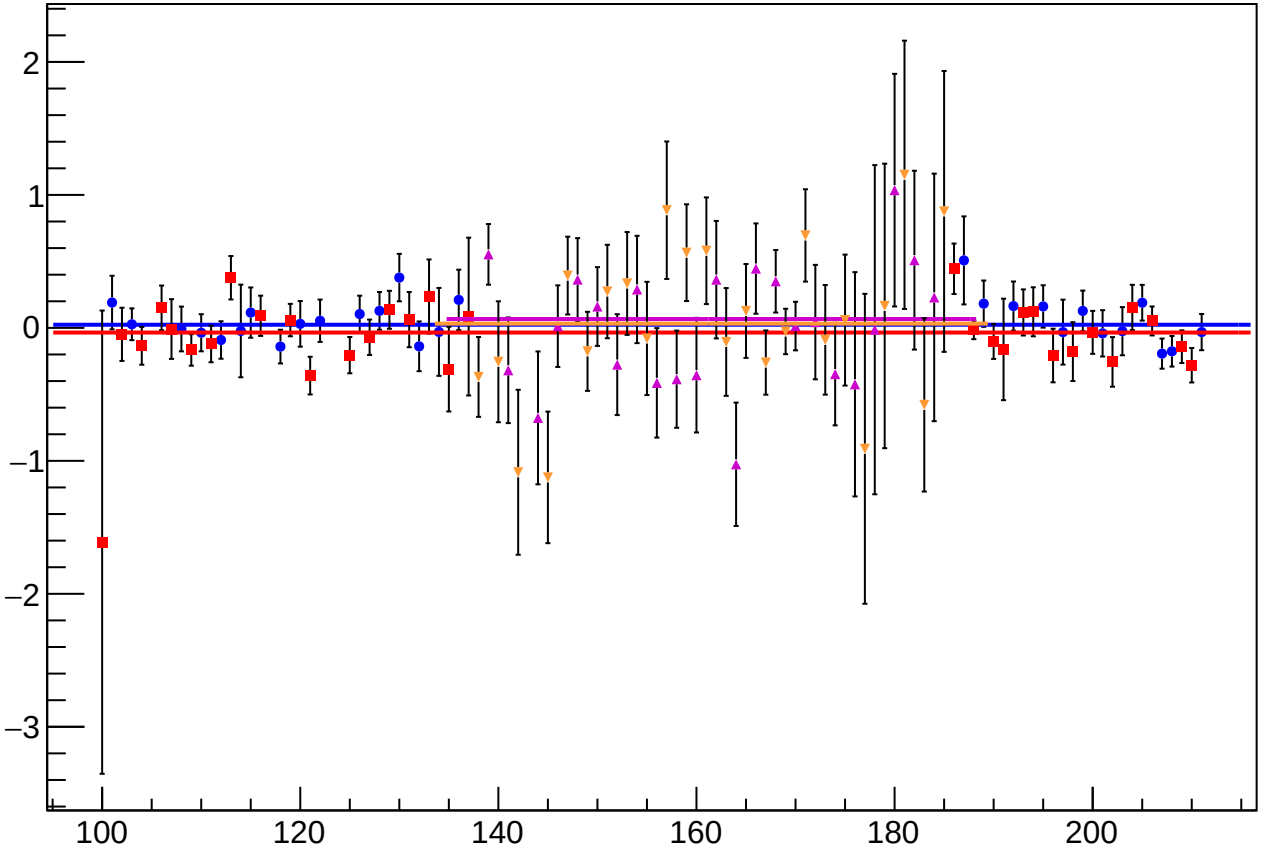
Right: 109.414+/-0.014 χ^2/NDF: 5948039.4/59

In: 141.077+/-0.020 χ^2/NDF:16730354.2/50

Out: 125.377+/-0.018 χ^2/NDF:20419918.8/55

All: 132.442+/-0.013 χ^2/NDF: 37494581.5/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.030 χ^2/NDF: 23.2/27

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.035+/-0.027 χ^2/NDF: 39.1/31

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

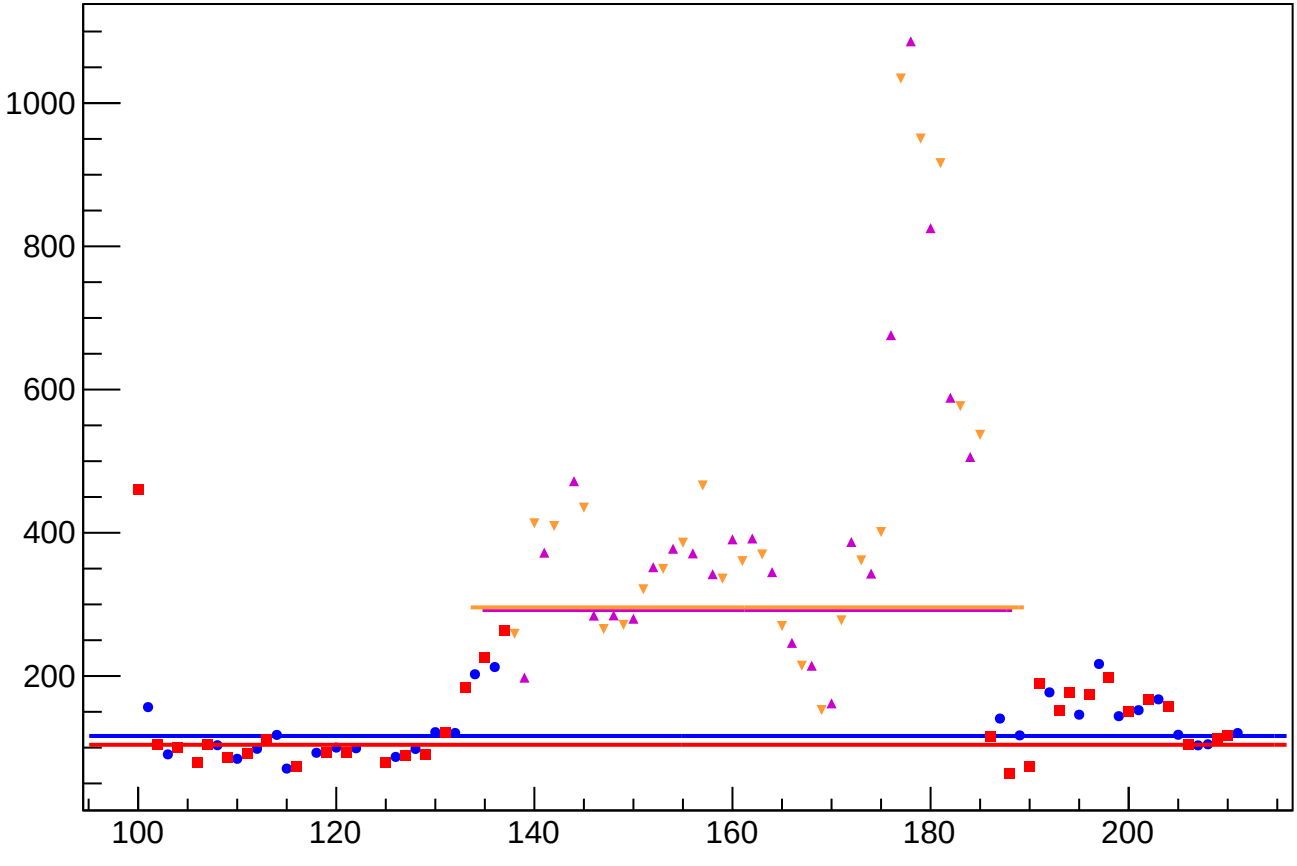
Right: -0.009+/-0.020 χ^2/NDF: 64.5/59

In: 0.030+/-0.028 χ^2/NDF:49.2/50

Out: -0.027+/-0.025 χ^2/NDF:69.5/55

All: -0.002+/-0.019 χ^2/NDF: 121.0/106

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.279+/-0.021 χ^2/NDF: 2162661.3/27

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.984+/-0.019 χ^2/NDF: 3601234.8/31

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

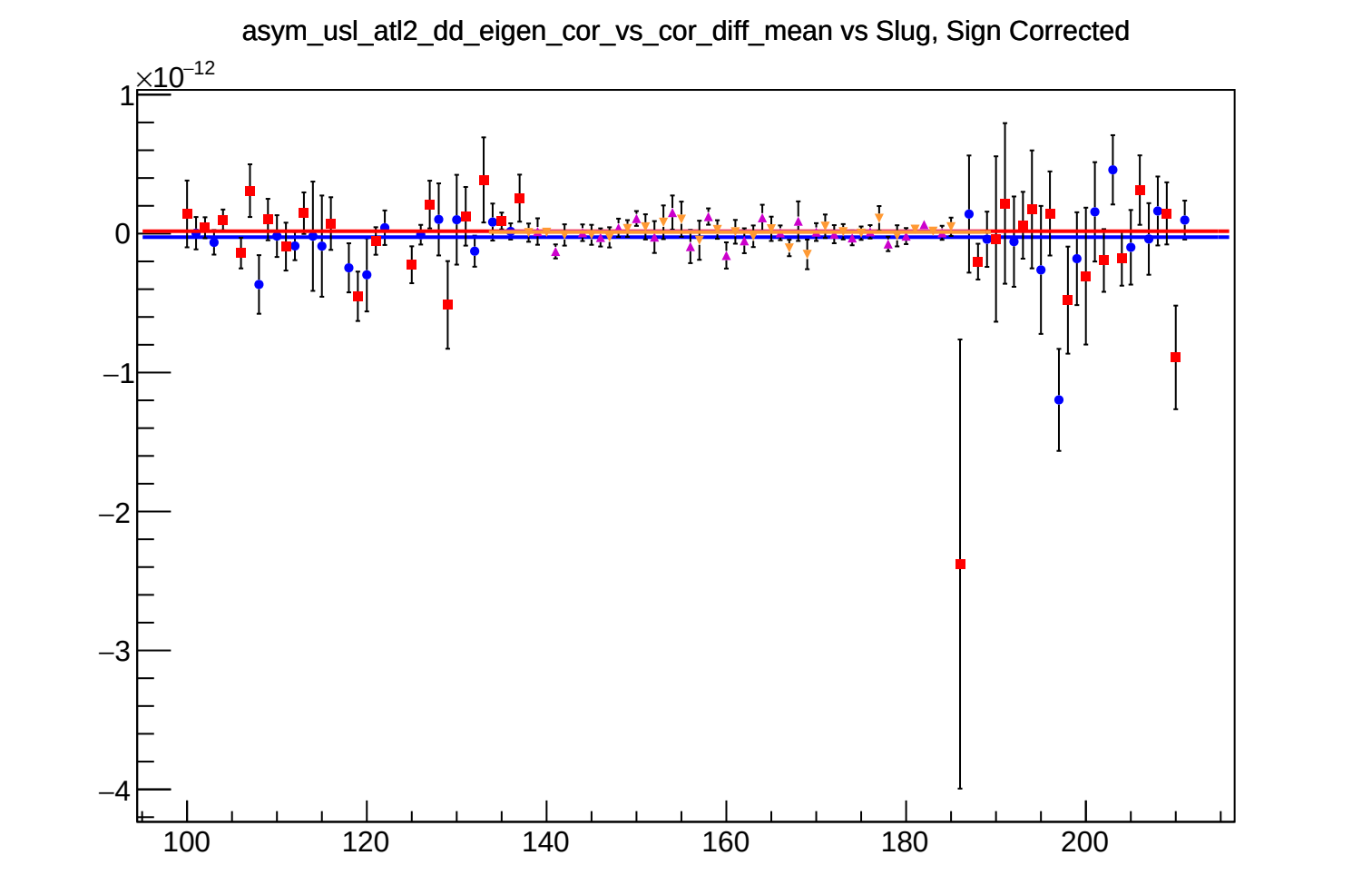
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.414+/-0.014 χ^2/NDF: 5948039.4/59

In: 141.077+/-0.020 χ^2/NDF:16730354.2/50

Out: 125.377+/-0.018 χ^2/NDF:20419918.8/55

All: 132.442+/-0.013 χ^2/NDF: 37494581.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.7/31

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

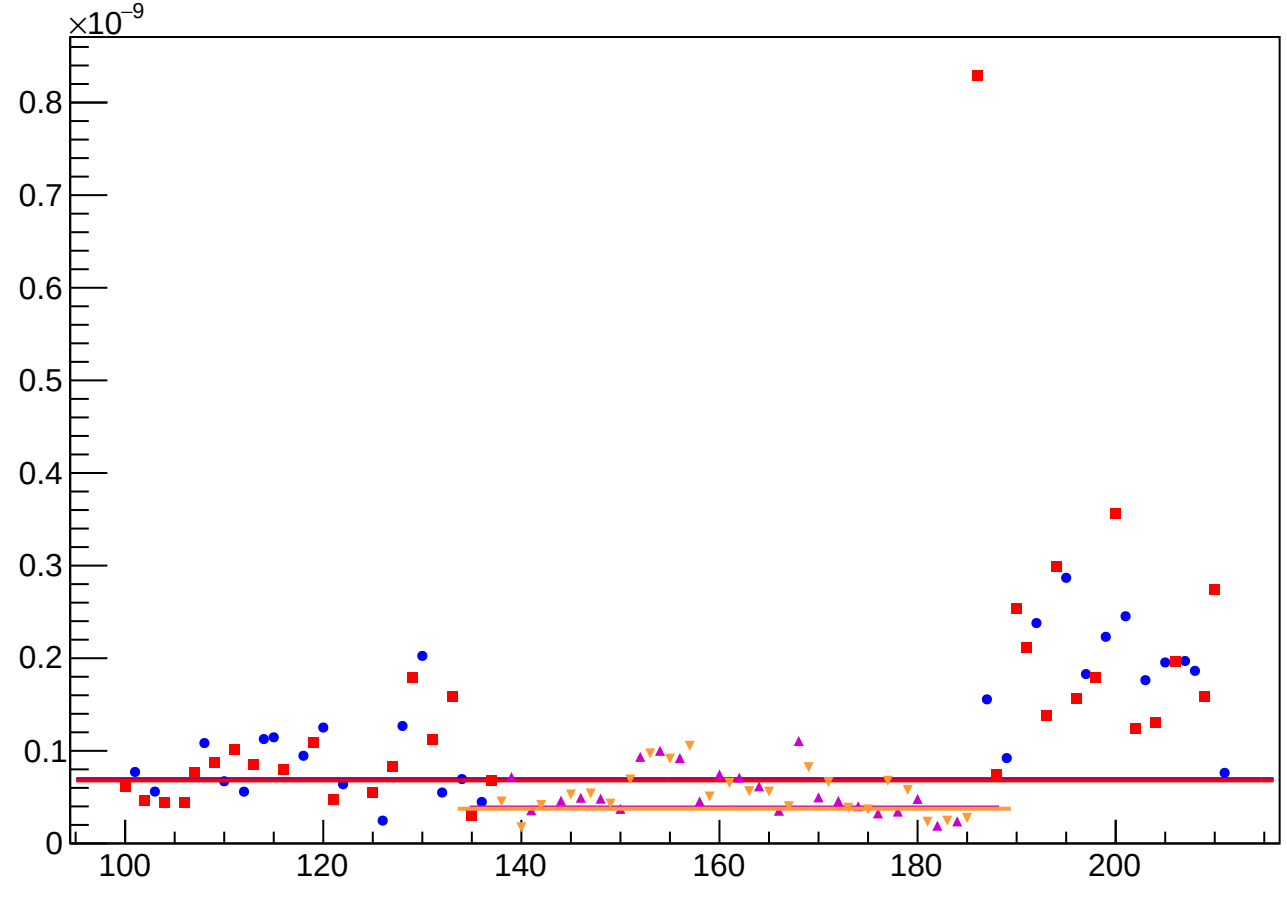
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 70.9/59

In: 0.000+/-0.000 χ^2/NDF:57.6/50

Out: 0.000+/-0.000 χ^2/NDF:55.3/55

All: 0.000+/-0.000 χ^2/NDF: 113.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 5914825.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6483527.3/31

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

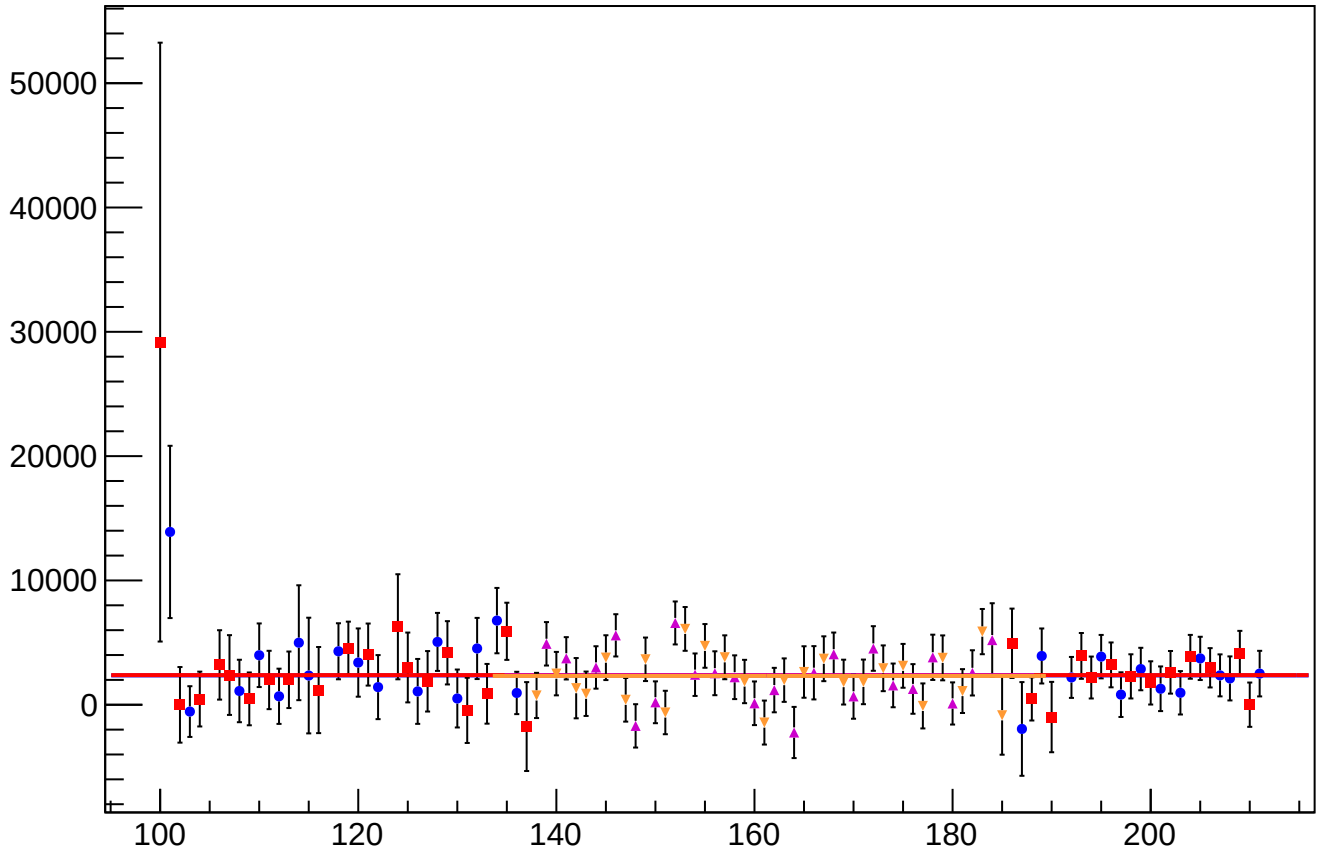
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 12400605.0/59

In: 0.000+/-0.000 χ^2/NDF:12562200.7/50

Out: 0.000+/-0.000 χ^2/NDF:13661091.7/55

All: 0.000+/-0.000 χ^2/NDF: 26234899.6/106



Right In: 2360.722+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2384.990+/-390.084 χ^2/NDF: 20.0/31

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

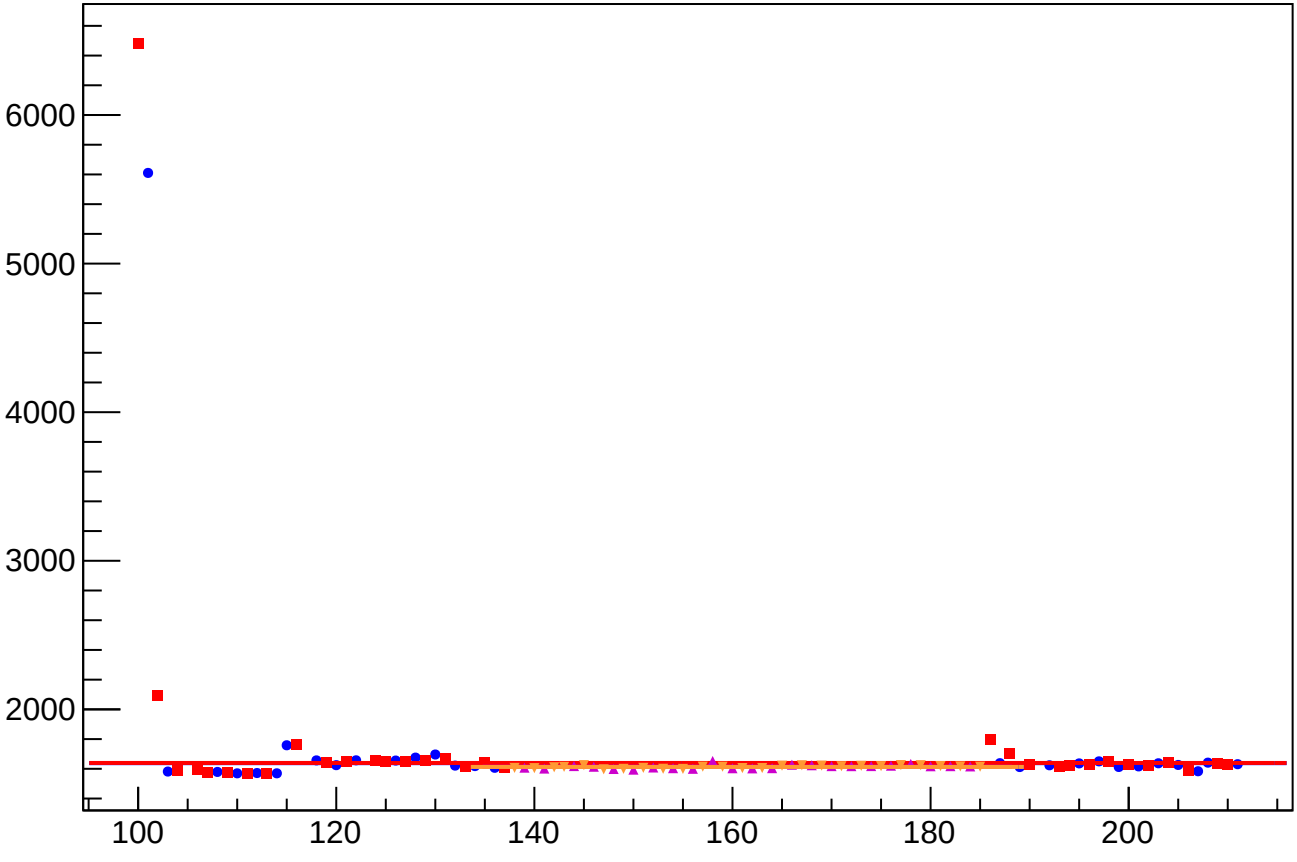
Right: 2373.331+/-281.179 χ^2/NDF: 38.9/59

In: 2366.040+/-276.079 χ^2/NDF:52.6/50

Out: 2351.021+/-267.026 χ^2/NDF:47.5/56

All: 2358.280+/-191.937 χ^2/NDF: 100.2/107

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1637.997+/-0.287 χ^2/NDF: 671450.1/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.410+/-0.276 χ^2/NDF: 148761.4/31

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

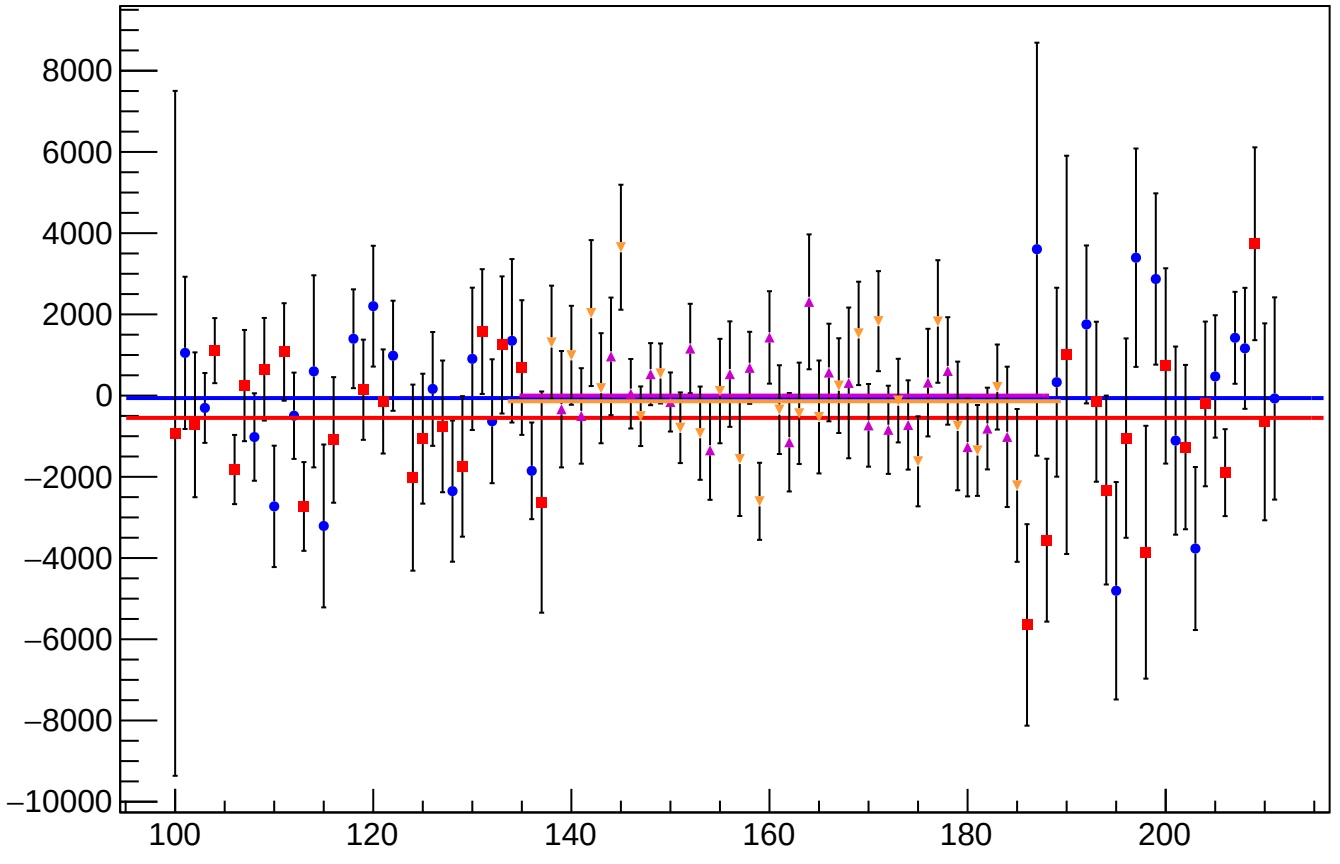
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.731+/-0.199 χ^2/NDF: 820224.1/59

In: 1625.003+/-0.195 χ^2/NDF:677626.7/50

Out: 1625.167+/-0.189 χ^2/NDF:154951.7/56

All: 1625.088+/-0.136 χ^2/NDF: 832578.8/107



Right In: -60.902+/-291.908 χ^2/NDF: 30.7/27

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -549.031+/-274.689 χ^2/NDF: 33.0/31

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

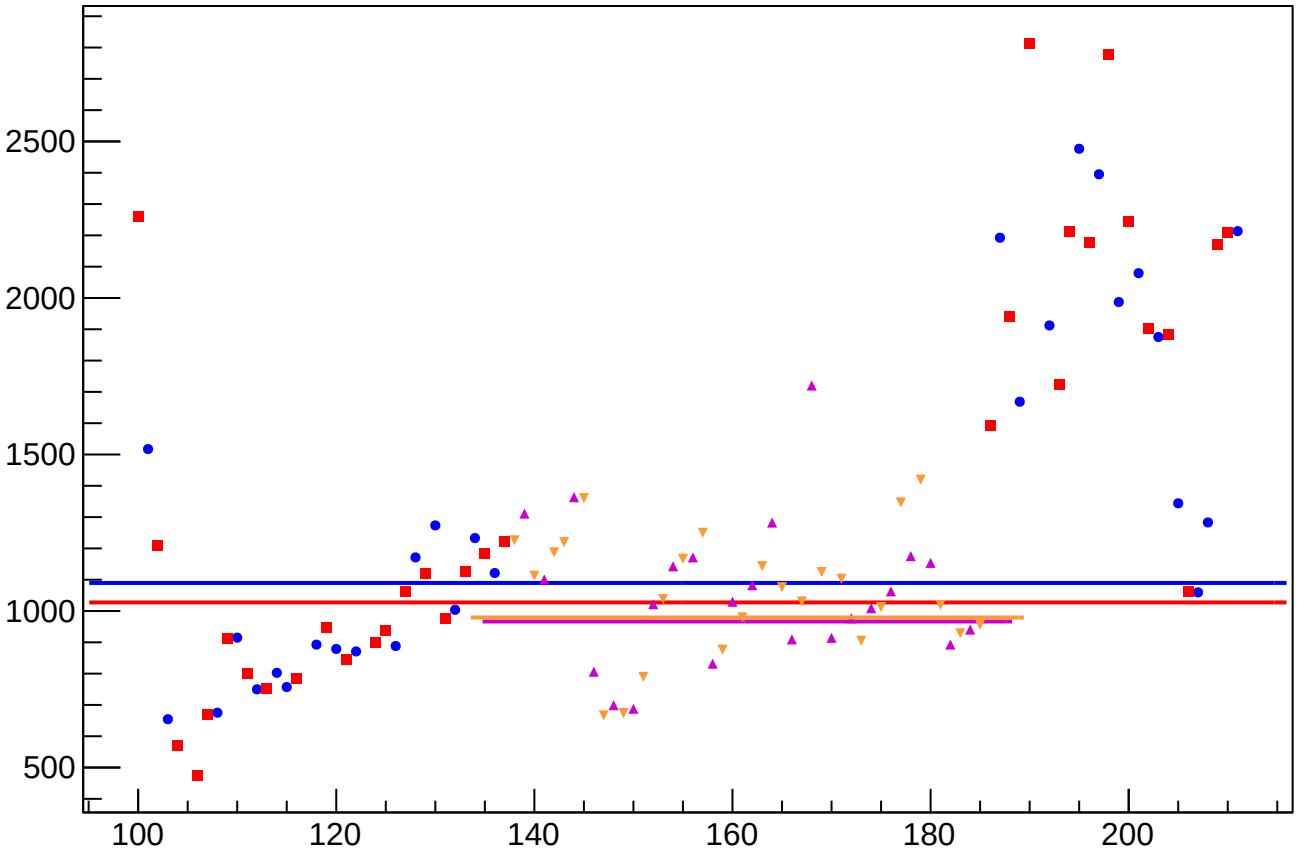
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

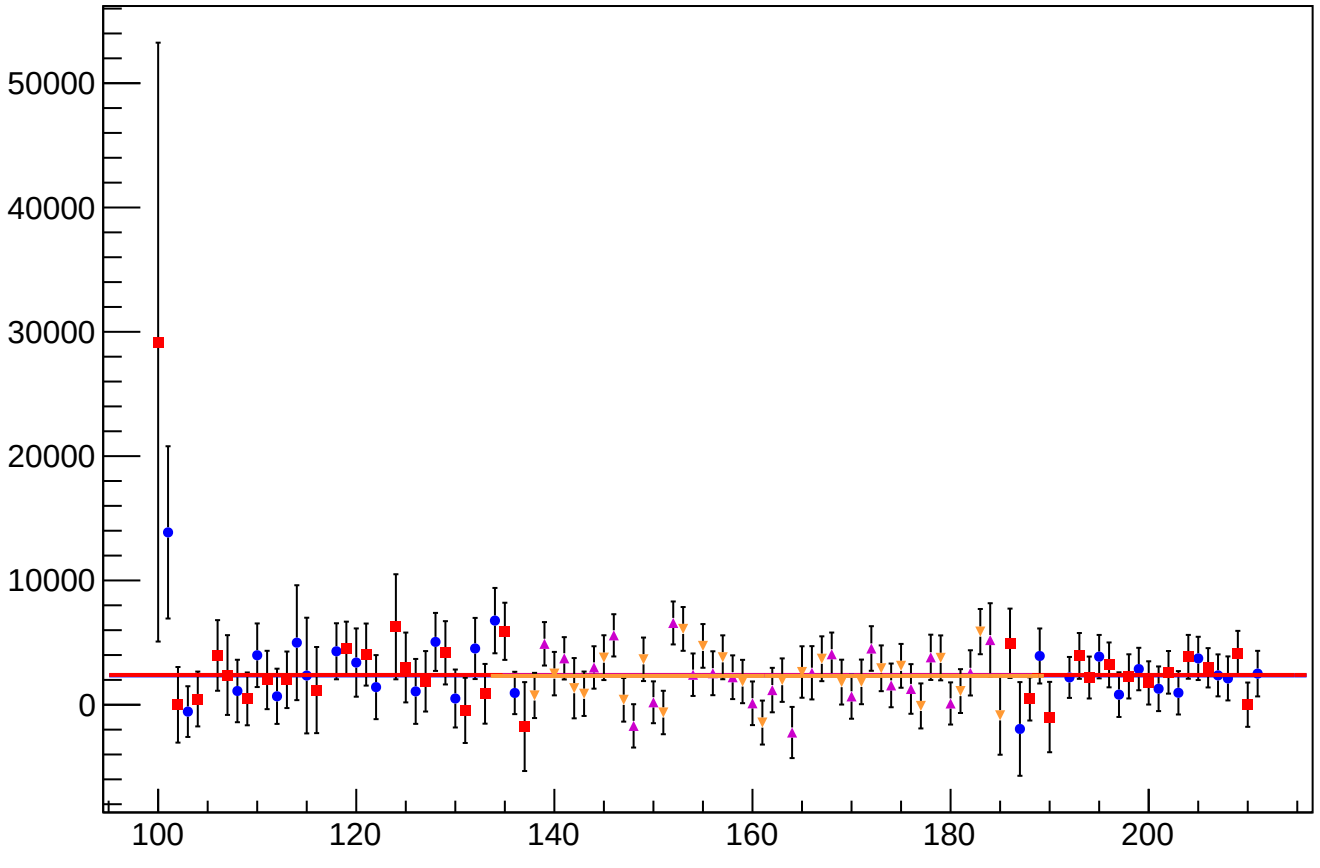
Right: -319.787+/-200.045 χ^2/NDF: 65.1/59

In: -23.621+/-181.577 χ^2/NDF:43.6/50

Out: -307.248+/-175.951 χ^2/NDF:64.4/56

All: -169.897+/-126.358 χ^2/NDF: 109.3/107


asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1089.697+/-0.206 χ²/NDF: 4576014.4/27
Left Out: 979.294+/-0.162 χ²/NDF:1630623.2/24
Right Out: 1027.405+/-0.194 χ²/NDF: 6870320.5/31
Left In: 966.526+/-0.164 χ²/NDF:1602596.2/22
Left: 972.987+/-0.115 χ²/NDF: 3236287.4/47
Right: 1056.660+/-0.141 χ²/NDF: 11494637.9/59
In: 1014.184+/-0.128 χ²/NDF:6396916.3/50
Out: 999.034+/-0.124 χ²/NDF:8537123.0/56
All: 1006.371+/-0.089 χ²/NDF: 14941220.2/



Right In: 2360.481+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2398.966+/-390.216 χ^2/NDF: 20.2/31

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

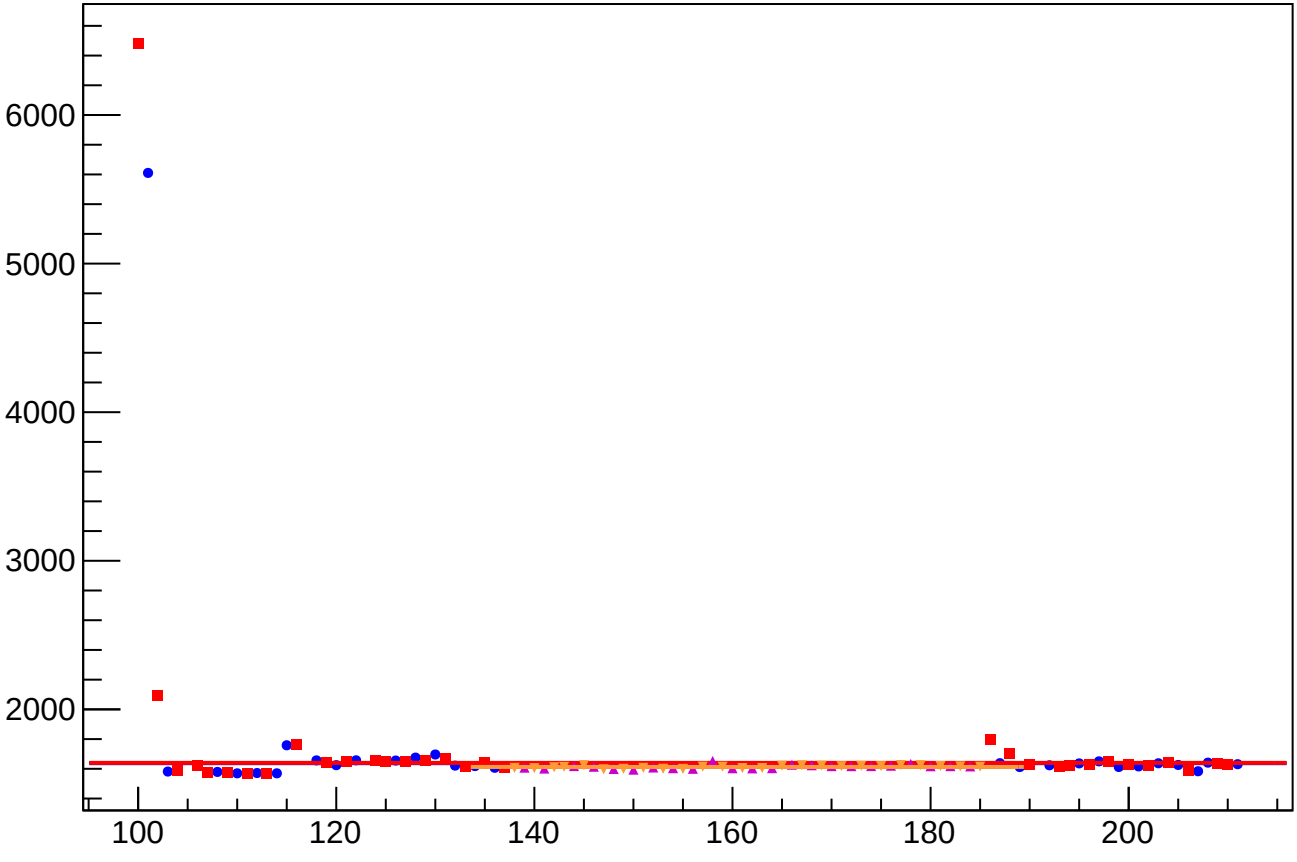
Right: 2380.470+/-281.228 χ^2/NDF: 39.1/59

In: 2365.967+/-276.079 χ^2/NDF:52.6/50

Out: 2357.534+/-267.068 χ^2/NDF:47.8/56

All: 2361.610+/-191.952 χ^2/NDF: 100.4/107

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1637.997+/-0.287 χ^2/NDF: 671449.6/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.941+/-0.276 χ^2/NDF: 148308.3/31

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

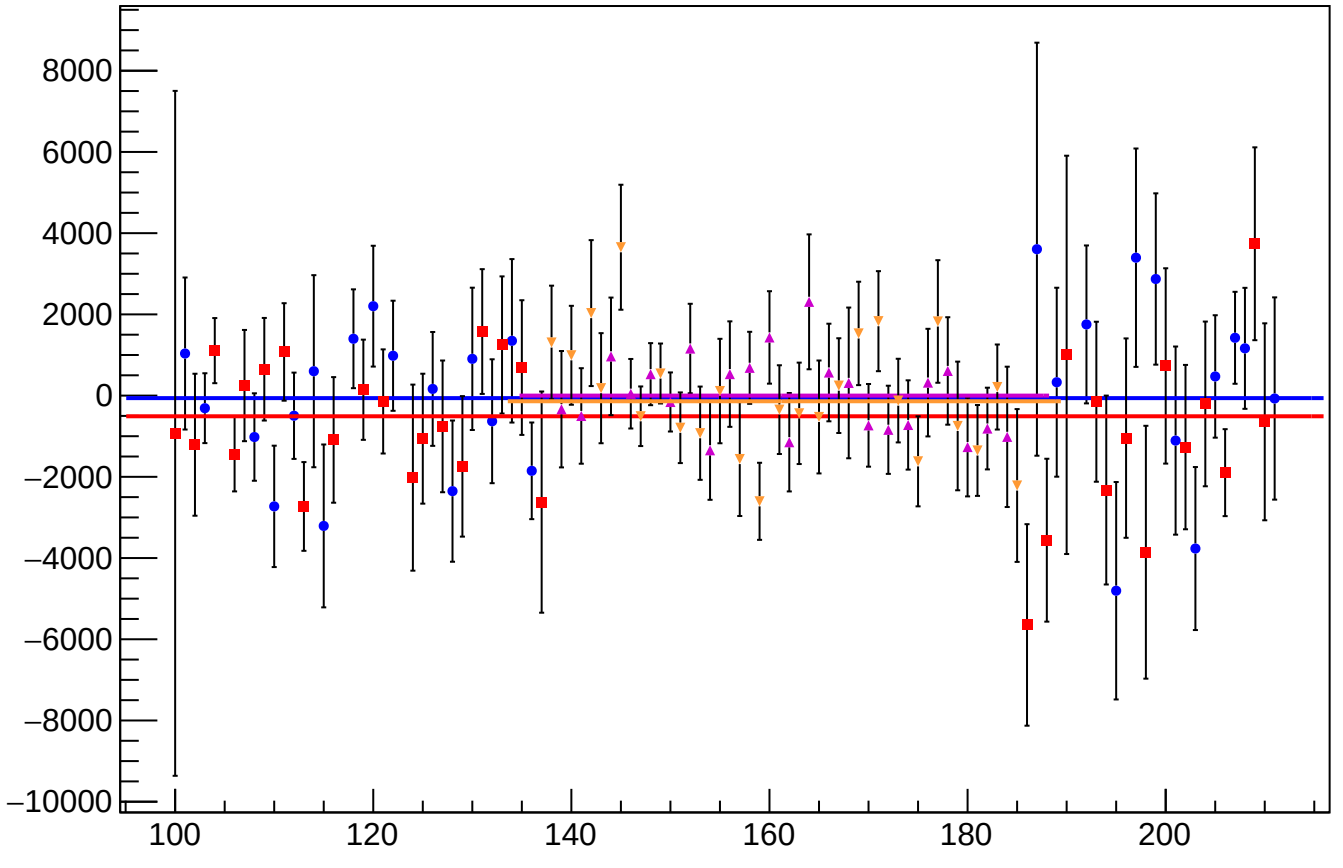
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.007+/-0.199 χ^2/NDF: 819781.7/59

In: 1625.003+/-0.195 χ^2/NDF:677626.3/50

Out: 1625.411+/-0.189 χ^2/NDF:154697.5/56

All: 1625.214+/-0.136 χ^2/NDF: 832326.0/107



Right In: -61.902+/-291.880 χ^2/NDF: 30.7/27

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -509.042+/-276.558 χ^2/NDF: 31.8/31

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

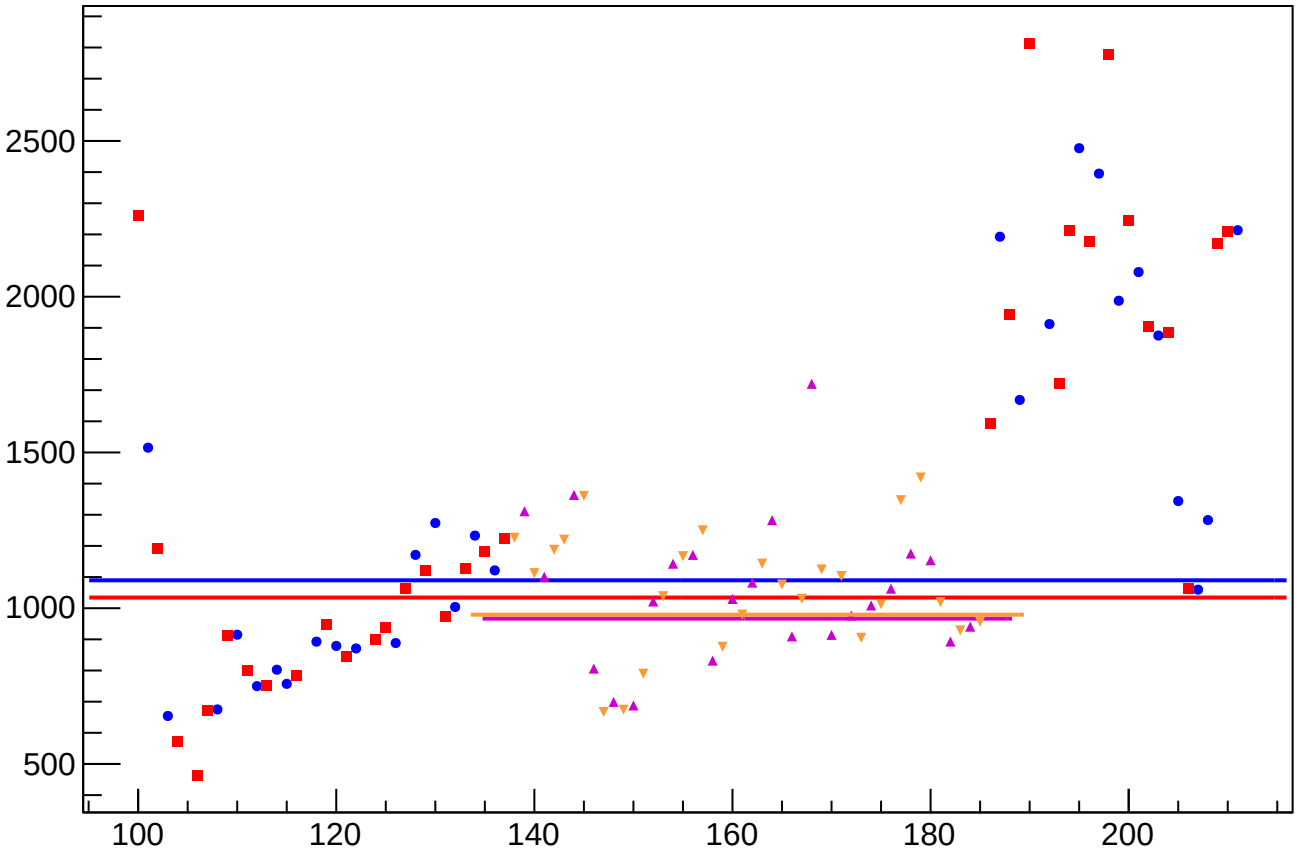
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -297.517+/-200.754 χ^2/NDF: 63.7/59

In: -23.996+/-181.571 χ^2/NDF:43.6/50

Out: -289.658+/-176.438 χ^2/NDF:63.0/56

All: -160.635+/-126.537 χ^2/NDF: 107.7/107



Right In: 1089.586+/-0.206 χ^2/NDF: 4576649.6/27

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1034.223+/-0.196 χ^2/NDF: 6777861.1/31

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

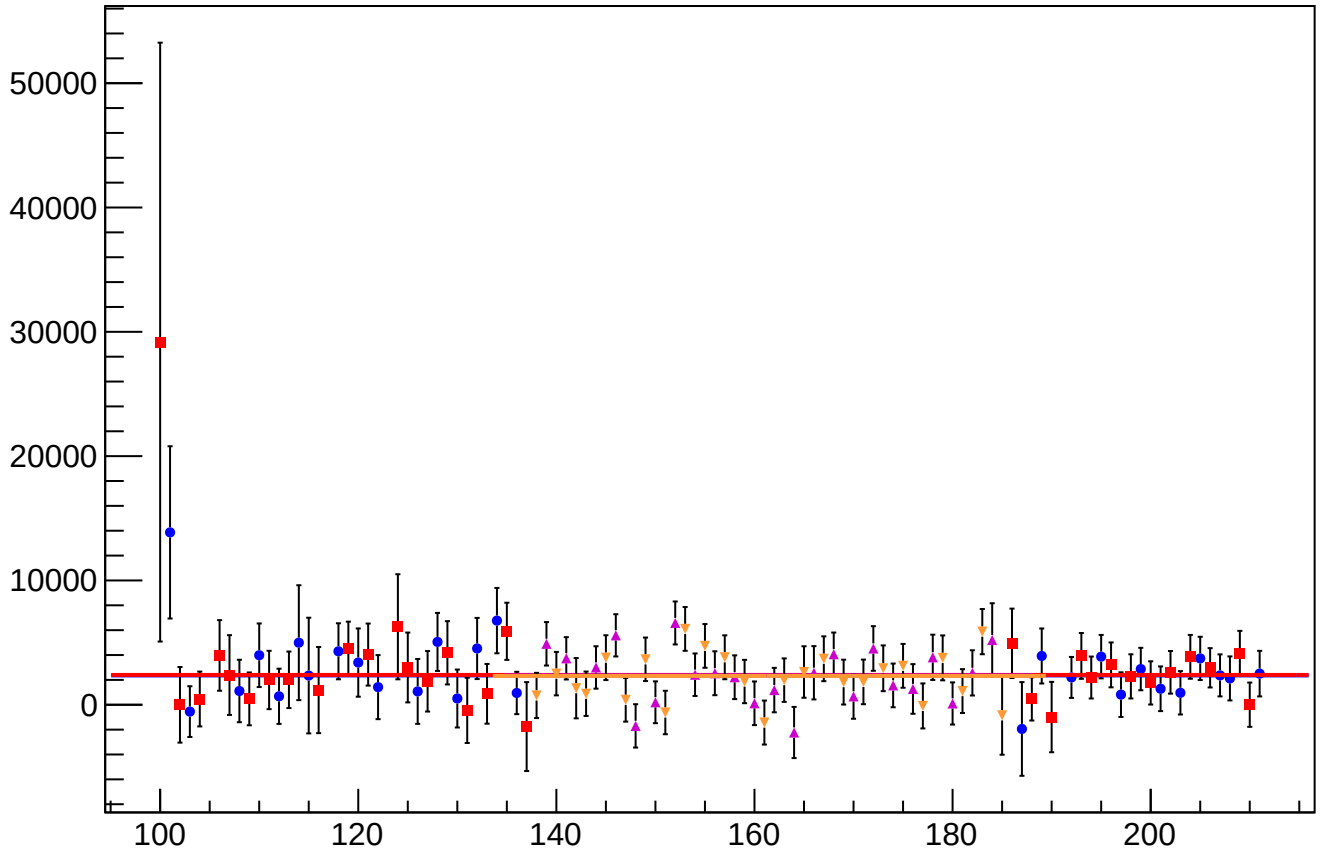
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1060.413+/-0.142 χ^2/NDF: 11392427.1/59

In: 1014.151+/-0.128 χ^2/NDF:6397131.4/50

Out: 1001.648+/-0.125 χ^2/NDF:8455386.4/56

All: 1007.720+/-0.089 χ^2/NDF: 14857395.6/1



Right In: 2360.481+/-405.667 χ^2/NDF: 18.9/27

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2398.966+/-390.216 χ^2/NDF: 20.2/31

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

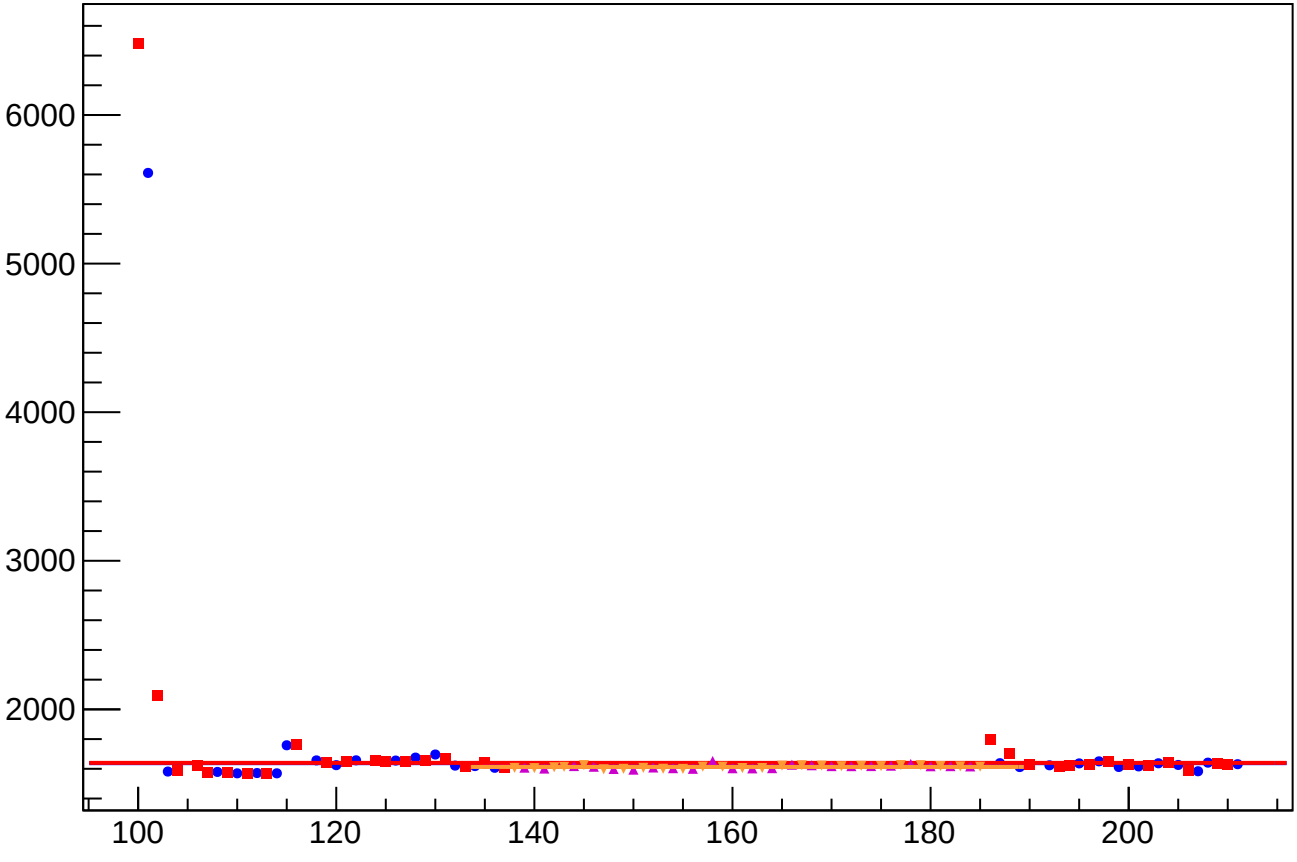
Right: 2380.470+/-281.228 χ^2/NDF: 39.1/59

In: 2365.967+/-276.079 χ^2/NDF:52.6/50

Out: 2357.534+/-267.068 χ^2/NDF:47.8/56

All: 2361.610+/-191.952 χ^2/NDF: 100.4/107

eigen_cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1637.997+/-0.287 χ^2/NDF: 671449.6/27

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.941+/-0.276 χ^2/NDF: 148308.3/31

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

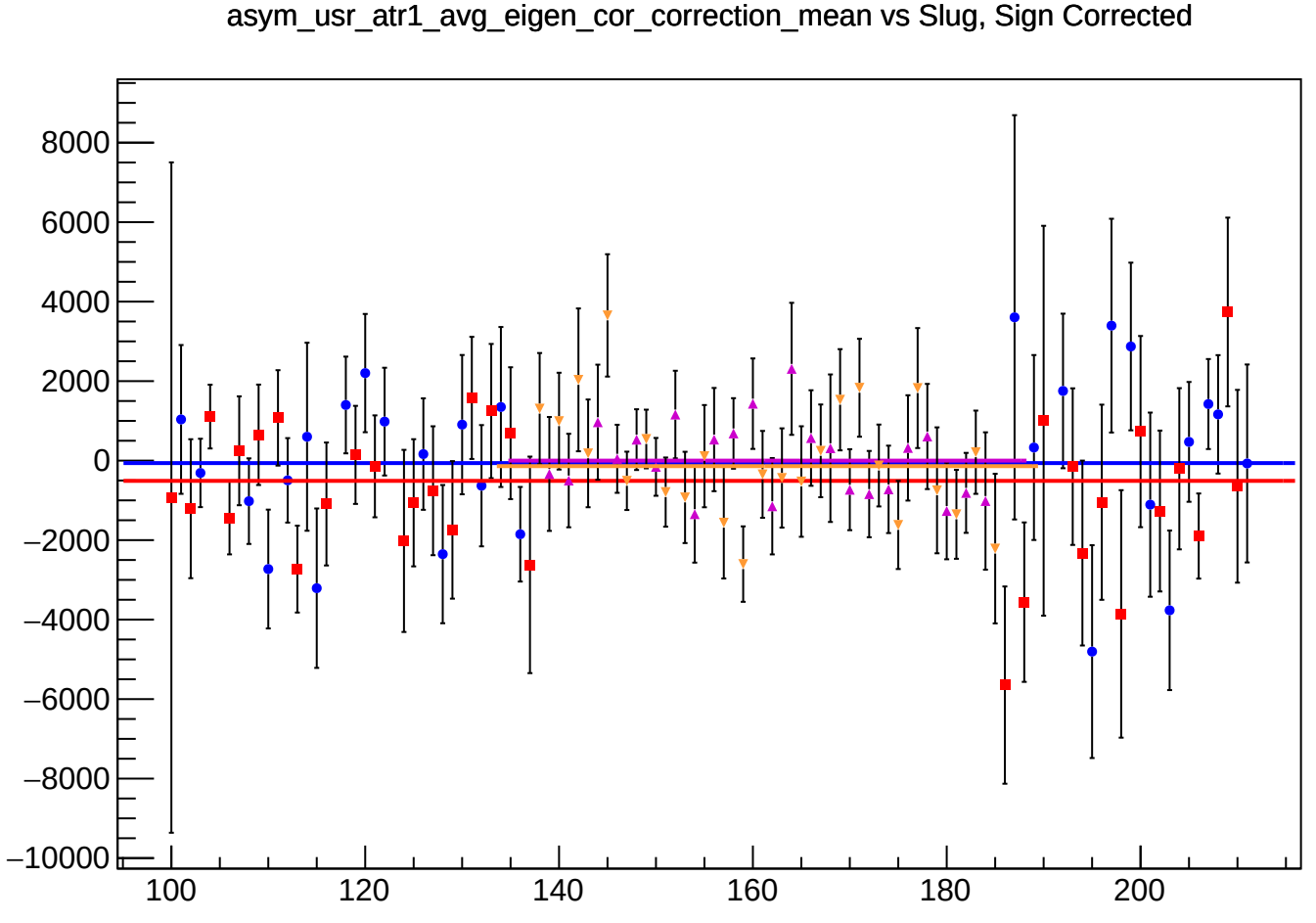
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.007+/-0.199 χ^2/NDF: 819781.7/59

In: 1625.003+/-0.195 χ^2/NDF:677626.3/50

Out: 1625.411+/-0.189 χ^2/NDF:154697.5/56

All: 1625.214+/-0.136 χ^2/NDF: 832326.0/107



Right In: -61.902+/-291.880 χ^2/NDF: 30.7/27

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -509.042+/-276.558 χ^2/NDF: 31.8/31

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

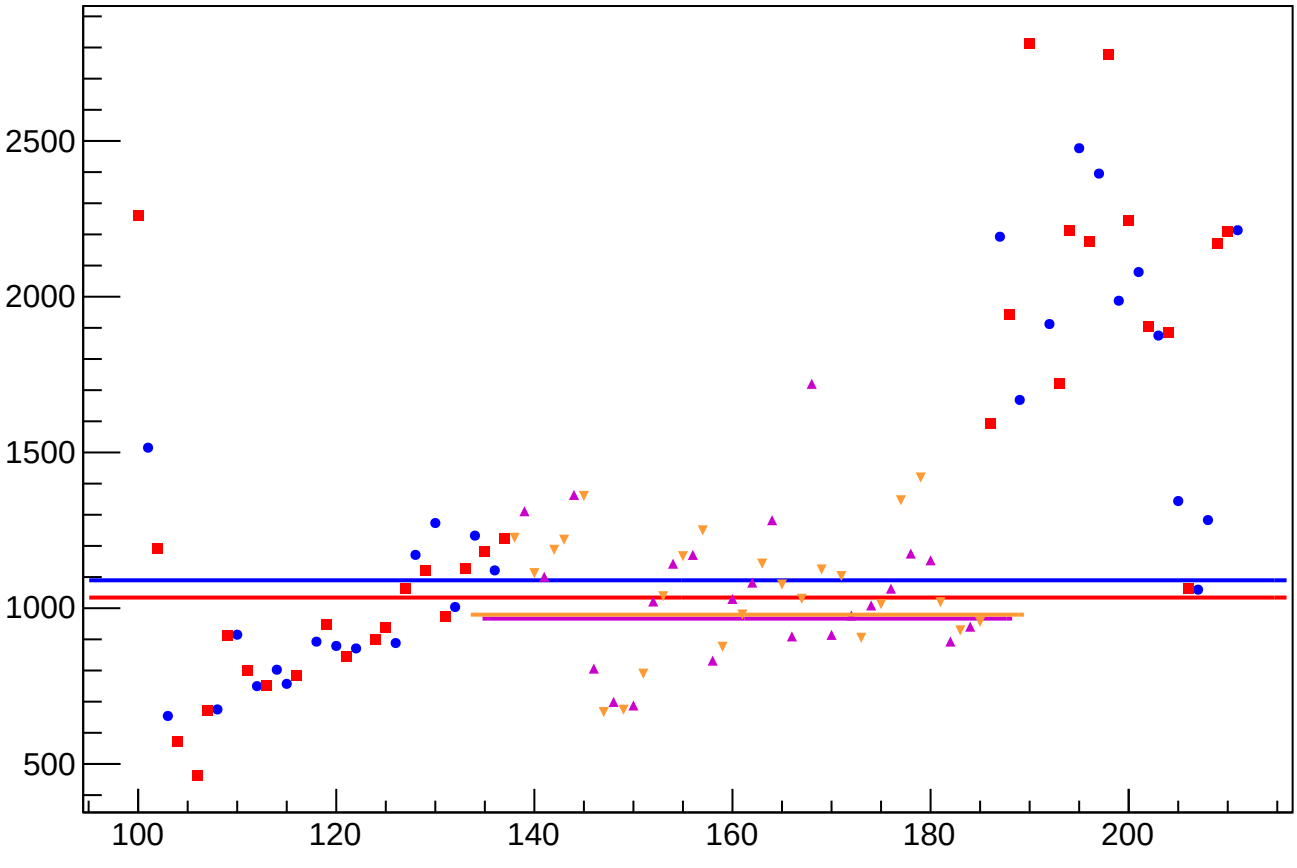
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -297.517+/-200.754 χ^2/NDF: 63.7/59

In: -23.996+/-181.571 χ^2/NDF:43.6/50

Out: -289.658+/-176.438 χ^2/NDF:63.0/56

All: -160.635+/-126.537 χ^2/NDF: 107.7/107



Right In: 1089.586+/-0.206 χ^2/NDF: 4576649.6/27

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1034.223+/-0.196 χ^2/NDF: 6777861.1/31

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

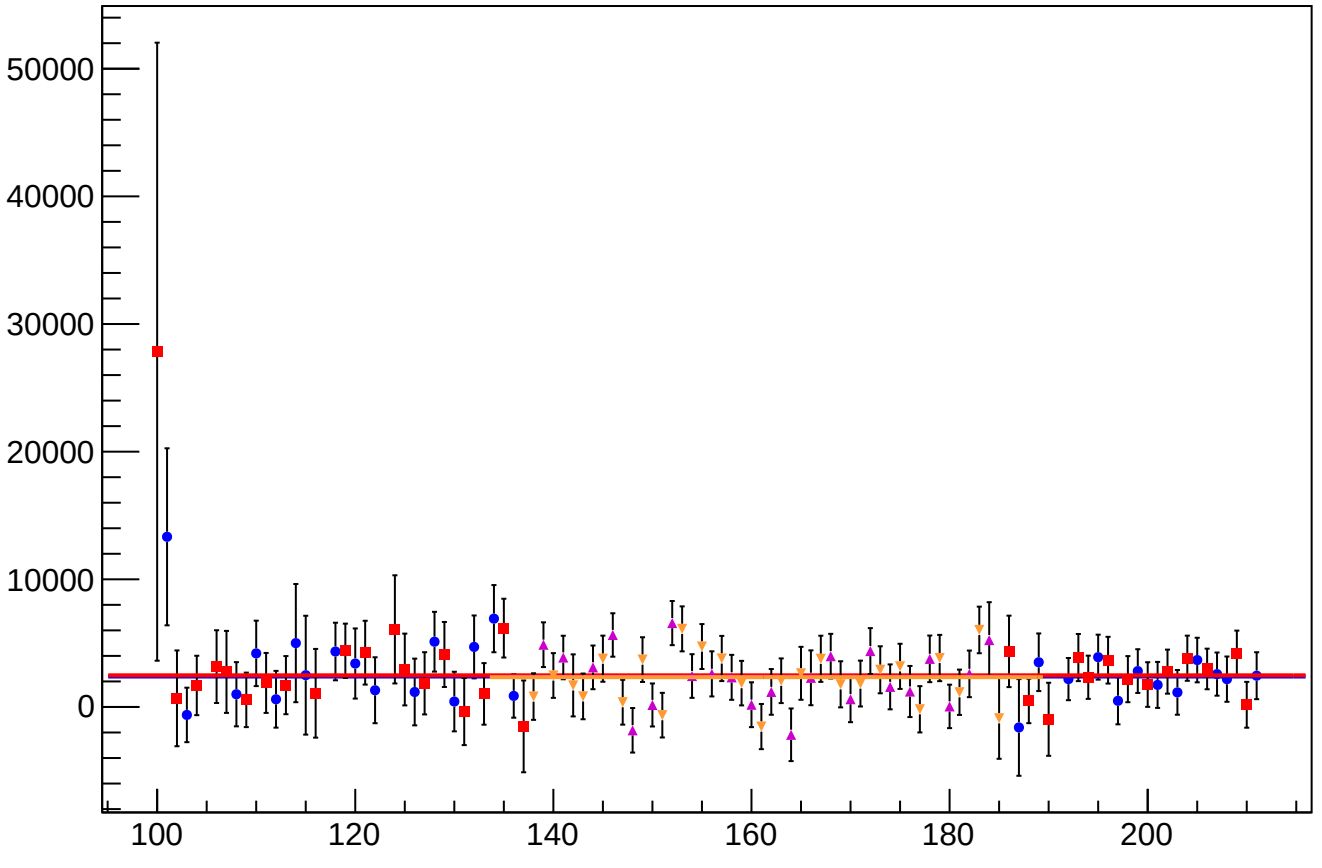
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1060.413+/-0.142 χ^2/NDF: 11392427.1/59

In: 1014.151+/-0.128 χ^2/NDF:6397131.4/50

Out: 1001.648+/-0.125 χ^2/NDF:8455386.4/56

All: 1007.720+/-0.089 χ^2/NDF: 14857395.6/1



Right In: 2385.170+/-408.094 χ^2/NDF: 18.7/27

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2479.647+/-393.707 χ^2/NDF: 18.3/31

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

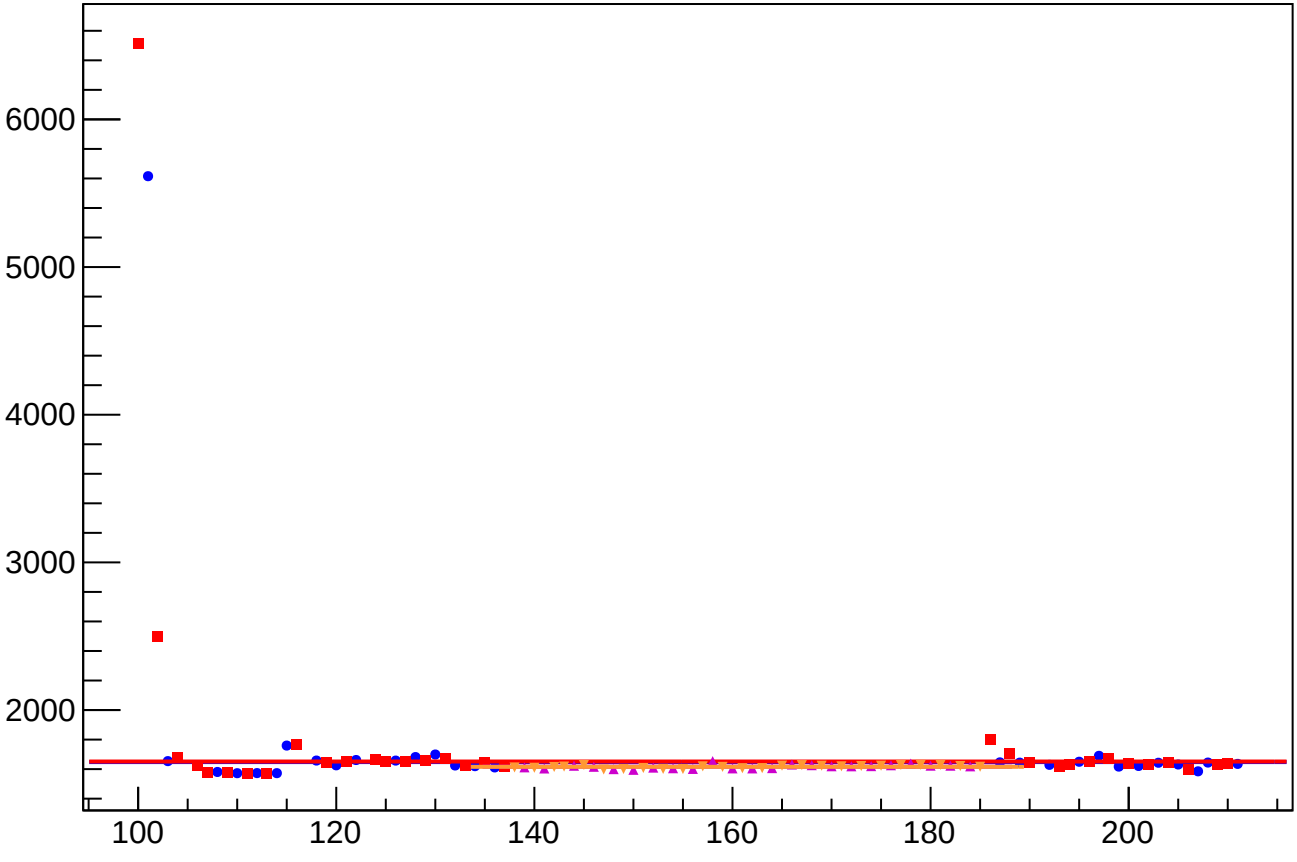
Right: 2434.103+/-283.342 χ^2/NDF: 37.0/59

In: 2371.759+/-277.078 χ^2/NDF:52.7/50

Out: 2402.164+/-268.450 χ^2/NDF:46.6/56

All: 2387.442+/-192.801 χ^2/NDF: 99.3/107

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1647.689+/-0.289 χ^2/NDF: 670065.8/27

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1651.479+/-0.278 χ^2/NDF: 205560.0/31

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

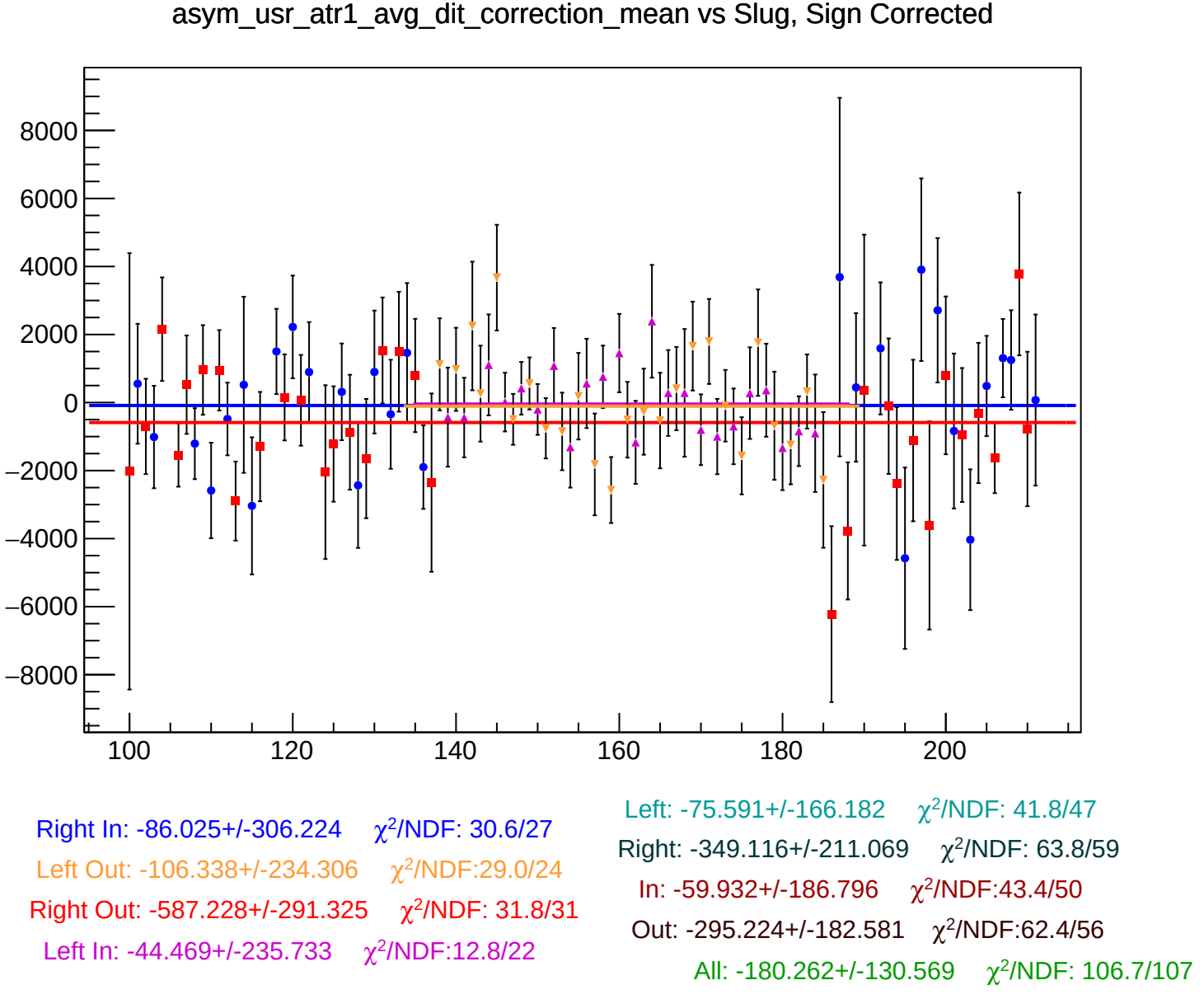
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

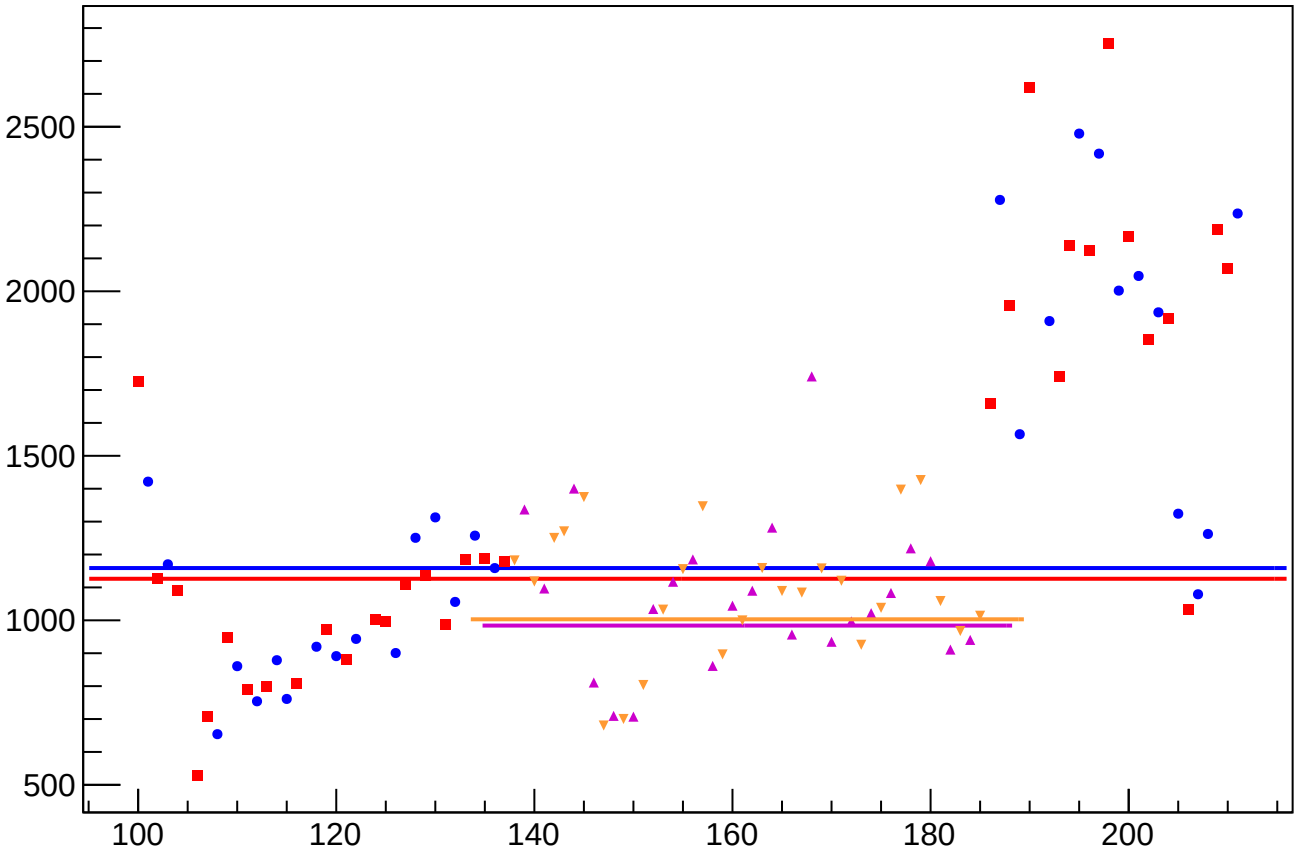
Right: 1649.652+/-0.200 χ^2/NDF: 875715.2/59

In: 1630.802+/-0.196 χ^2/NDF:678976.5/50

Out: 1632.299+/-0.190 χ^2/NDF:215878.6/56

All: 1631.574+/-0.136 χ^2/NDF: 894885.1/107


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -86.025+/-306.224 χ²/NDF: 30.6/27
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: -587.228+/-291.325 χ²/NDF: 31.8/31
Left In: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -75.591+/-166.182 χ²/NDF: 41.8/47
Right: -349.116+/-211.069 χ²/NDF: 63.8/59
In: -59.932+/-186.796 χ²/NDF:43.4/50
Out: -295.224+/-182.581 χ²/NDF:62.4/56
All: -180.262+/-130.569 χ²/NDF: 106.7/107



Right In: 1158.875+/-0.217 χ^2/NDF: 3971661.7/27

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1126.309+/-0.206 χ^2/NDF: 5463206.6/31

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

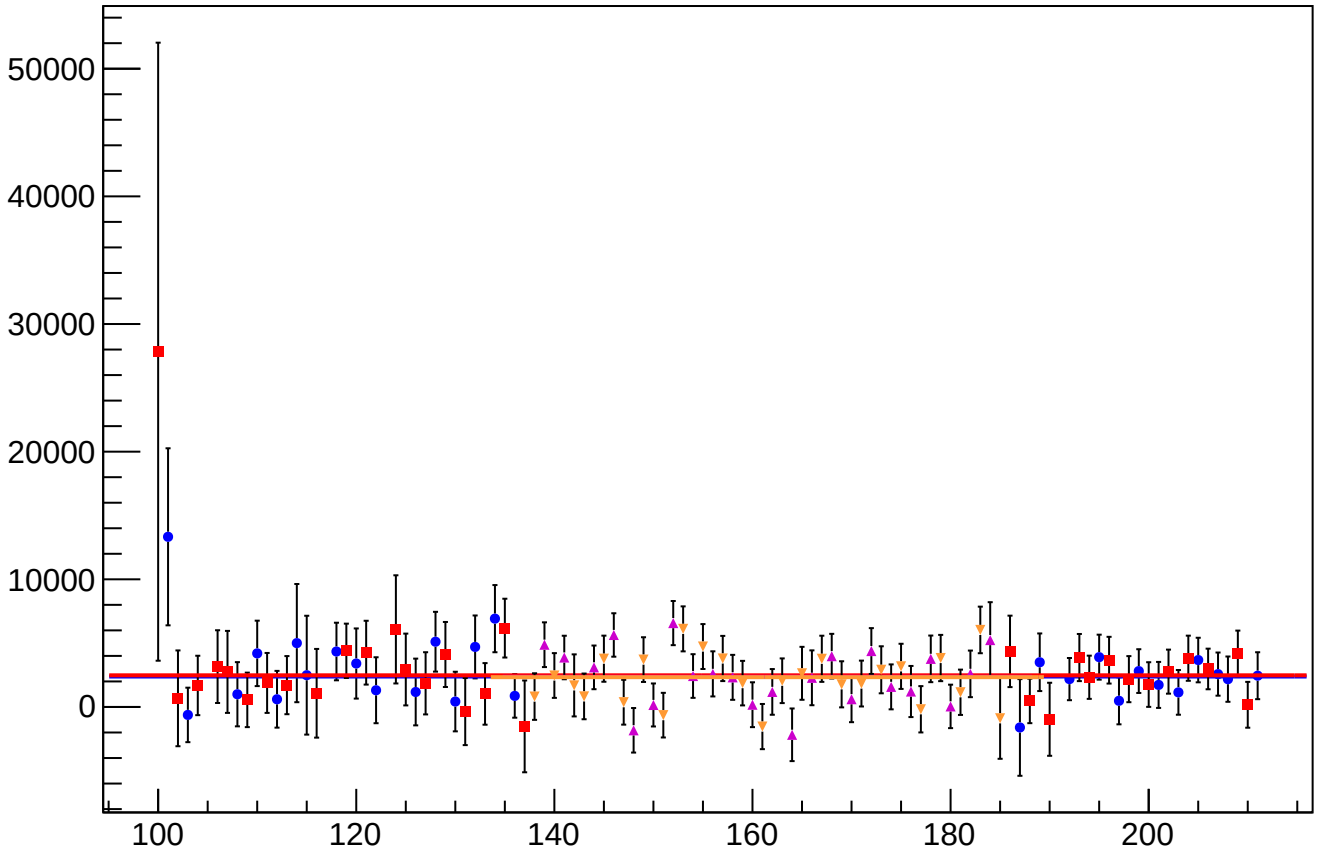
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1141.780+/-0.149 χ^2/NDF: 9446741.3/59

In: 1049.104+/-0.132 χ^2/NDF:5940515.6/50

Out: 1051.495+/-0.129 χ^2/NDF:7278840.5/56

All: 1050.327+/-0.092 χ^2/NDF: 13219523.7/1



Right In: 2385.170+/-408.094 χ^2/NDF: 18.7/27

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2479.645+/-393.707 χ^2/NDF: 18.3/31

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

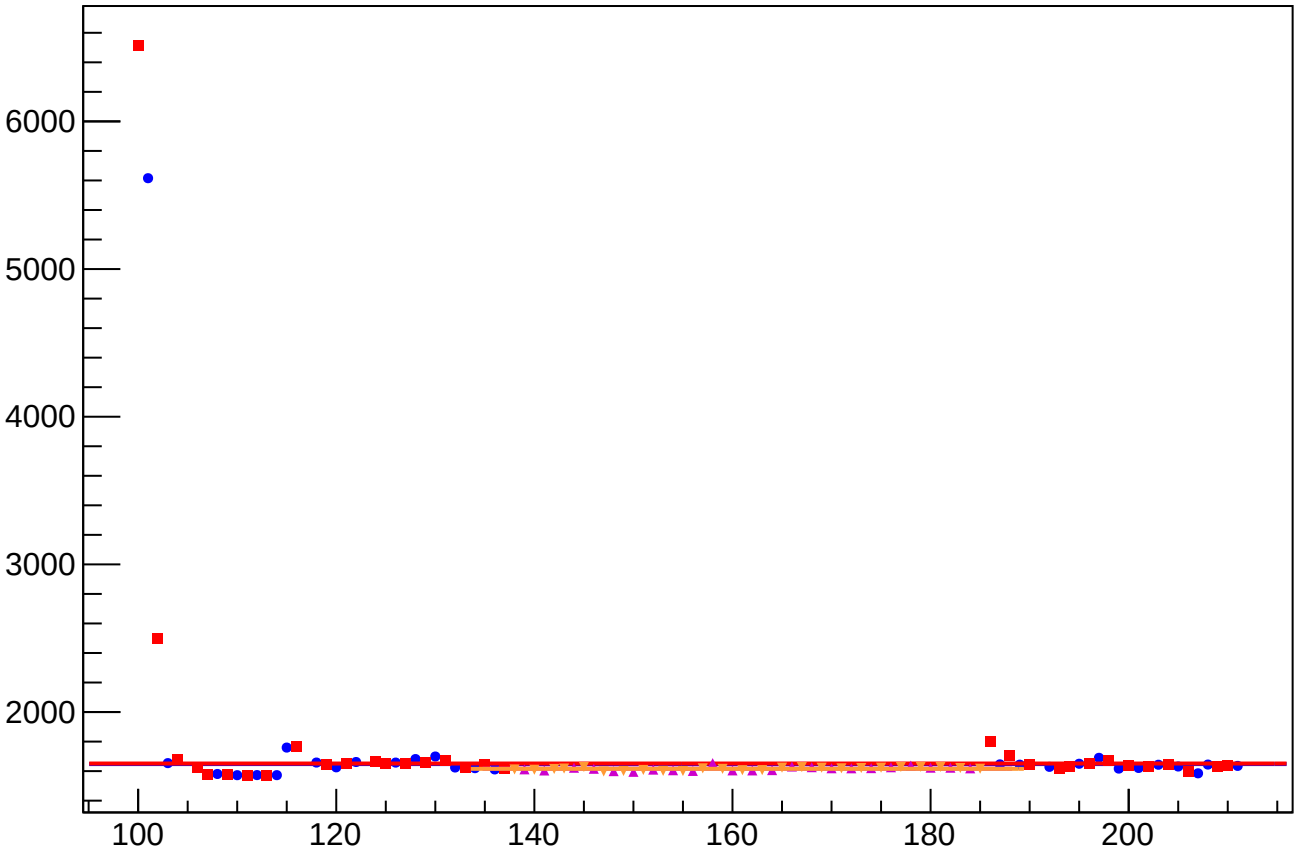
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2434.102+/-283.342 χ^2/NDF: 37.0/59

In: 2371.759+/-277.078 χ^2/NDF:52.7/50

Out: 2402.163+/-268.450 χ^2/NDF:46.6/56

All: 2387.442+/-192.801 χ^2/NDF: 99.3/107



Right In: 1647.689+/-0.289 χ^2/NDF: 670065.8/27

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1651.479+/-0.278 χ^2/NDF: 205559.9/31

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

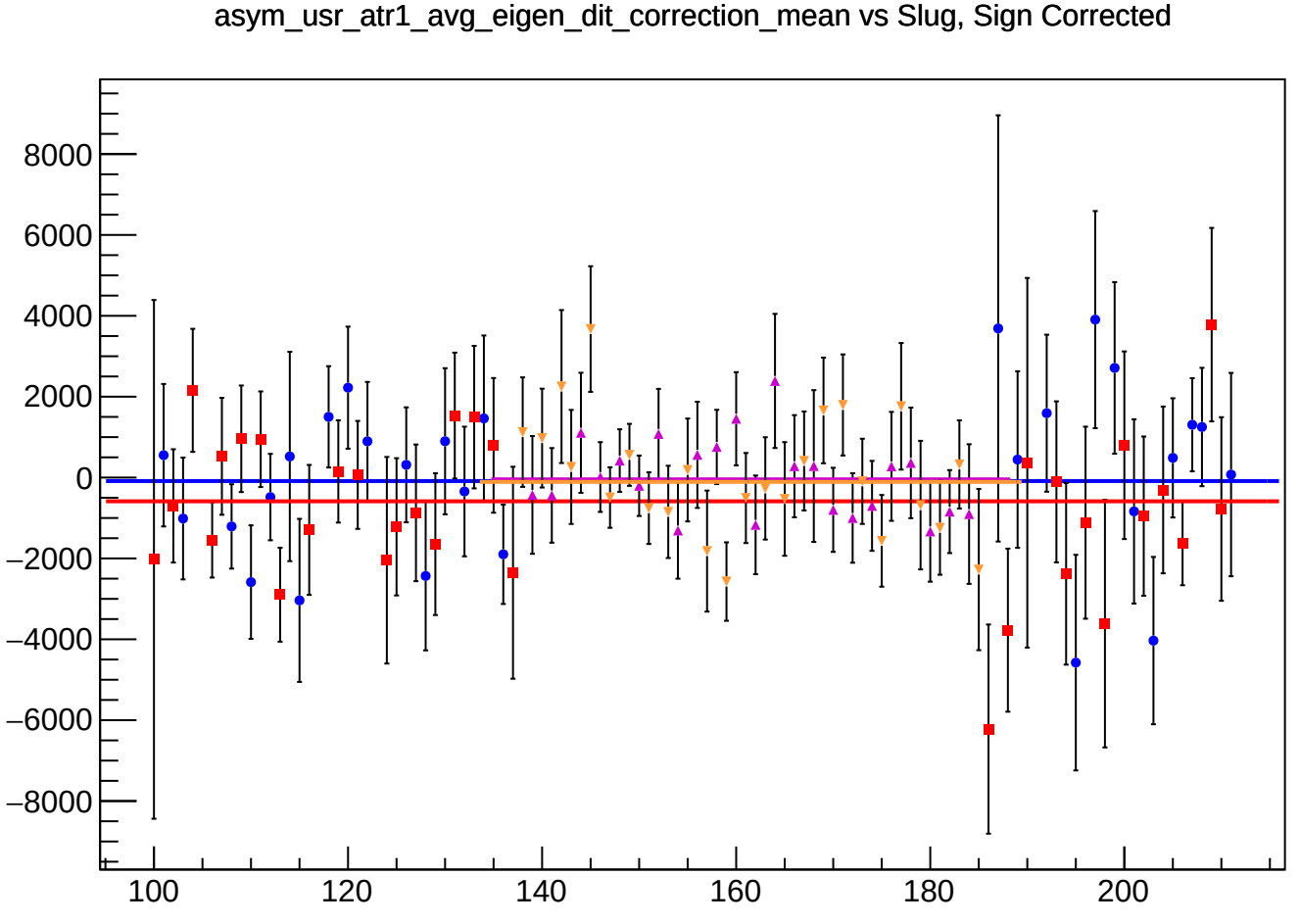
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1649.652+/-0.200 χ^2/NDF: 875715.1/59

In: 1630.802+/-0.196 χ^2/NDF:678976.5/50

Out: 1632.299+/-0.190 χ^2/NDF:215878.4/56

All: 1631.574+/-0.136 χ^2/NDF: 894884.9/107



Right In: -86.026+/-306.223 χ^2/NDF: 30.6/27

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -587.226+/-291.325 χ^2/NDF: 31.8/31

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

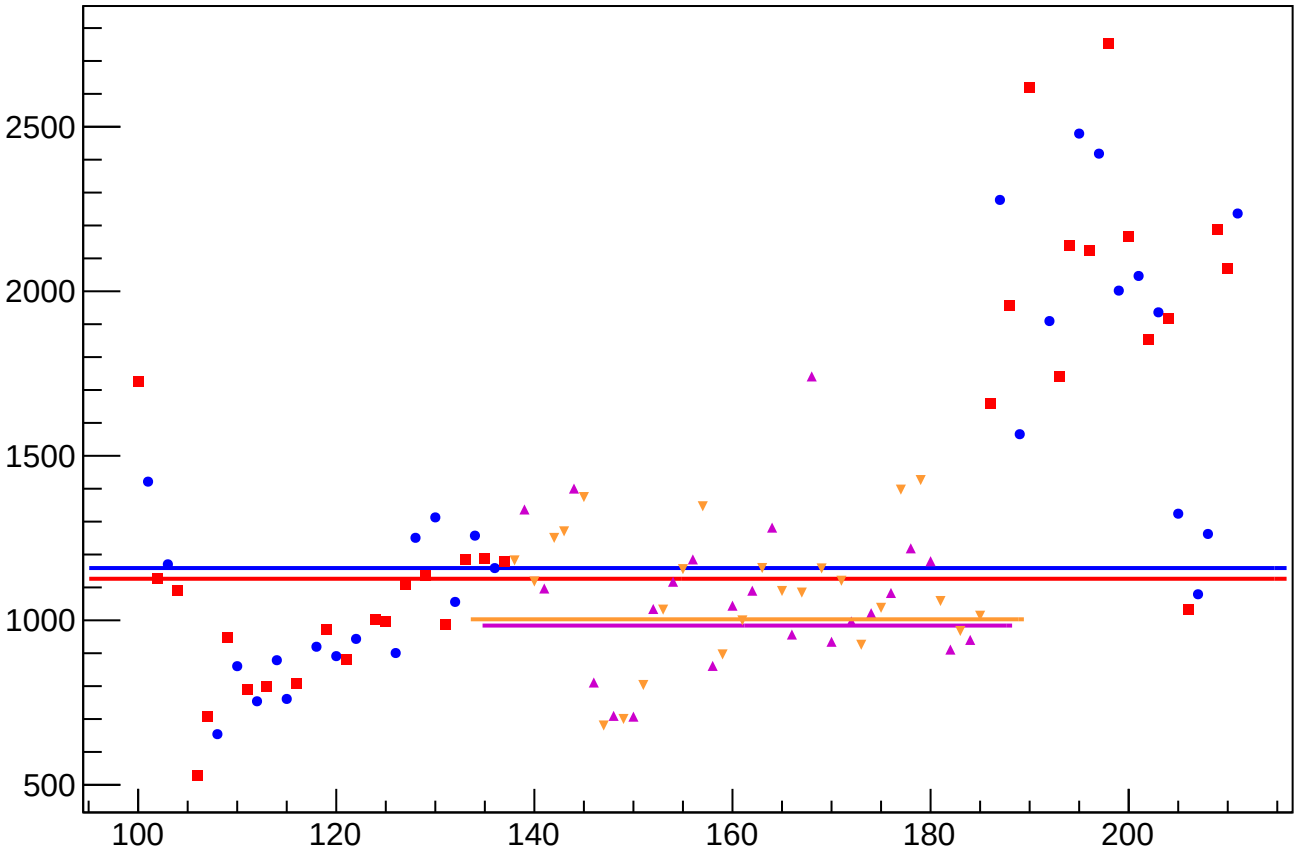
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -349.115+/-211.068 χ^2/NDF: 63.8/59

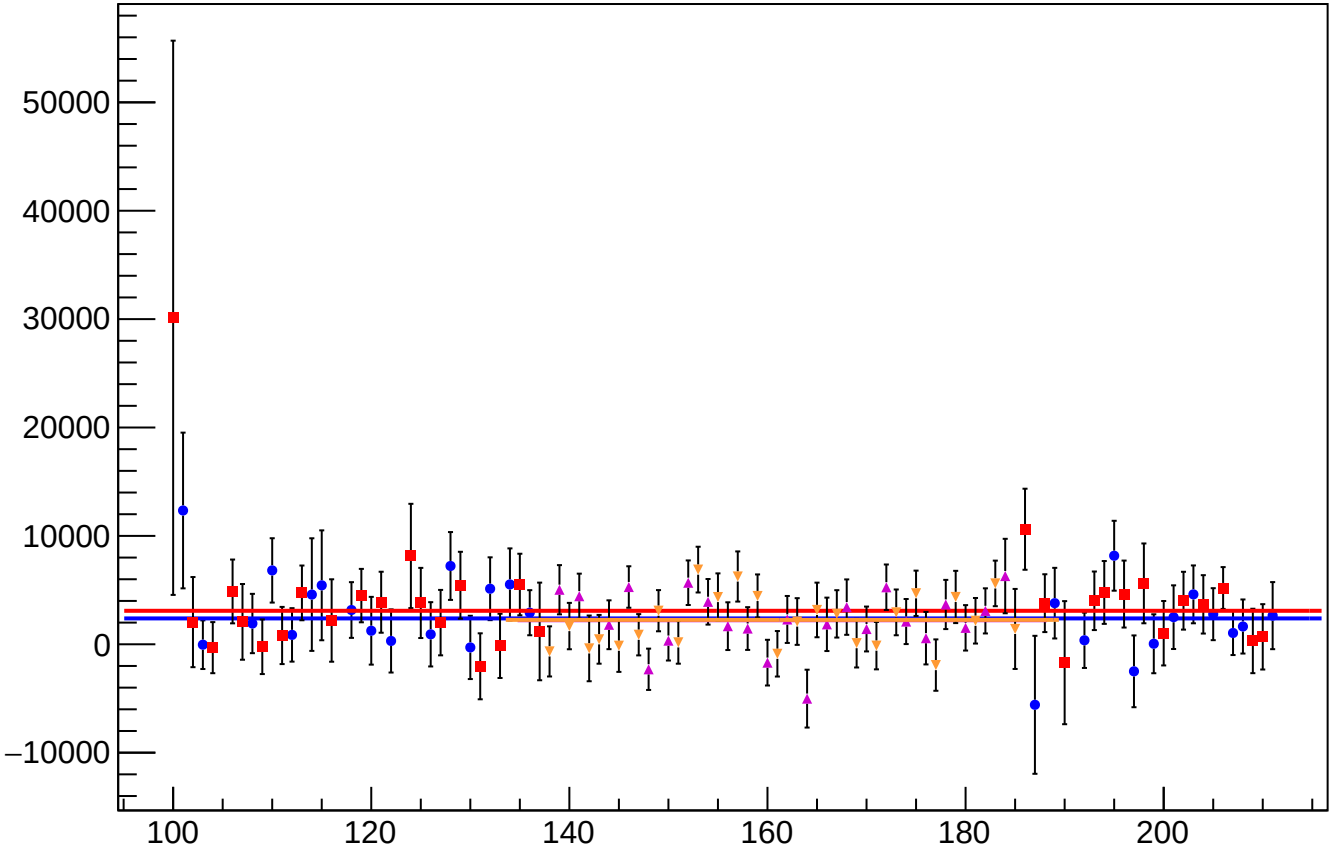
In: -59.932+/-186.796 χ^2/NDF:43.4/50

Out: -295.225+/-182.581 χ^2/NDF:62.4/56

All: -180.263+/-130.569 χ^2/NDF: 106.7/107


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: 1158.872+/-0.217 χ²/NDF: 3971707.8/27
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1126.307+/-0.206 χ²/NDF: 5463240.7/31
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1141.778+/-0.149 χ²/NDF: 9446821.1/59
In: 1049.104+/-0.132 χ²/NDF:5940540.2/50
Out: 1051.496+/-0.129 χ²/NDF:7278860.2/56
All: 1050.327+/-0.092 χ²/NDF: 13219568.1/

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2386.037+/-543.781 χ^2/NDF: 22.1/27

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3089.143+/-529.642 χ^2/NDF: 23.2/31

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

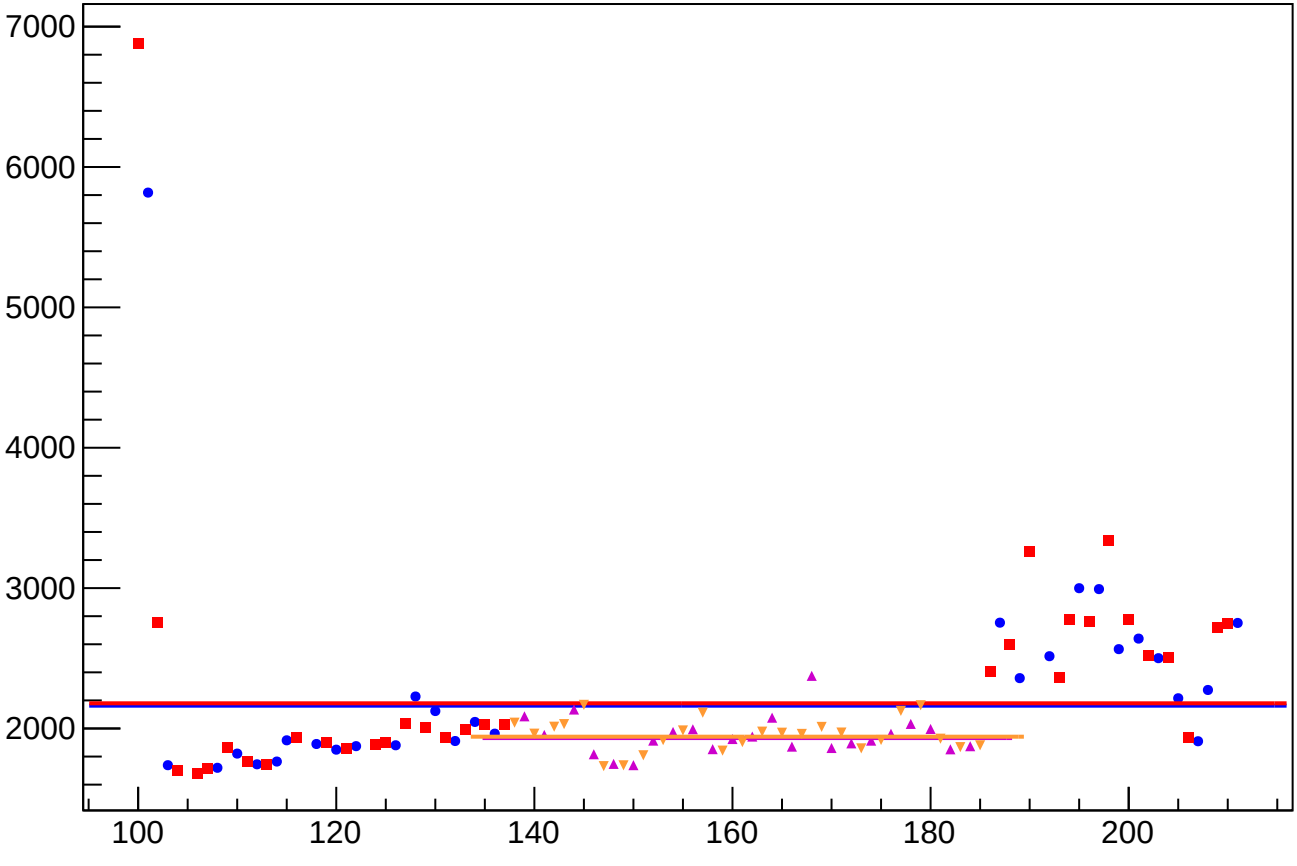
Right: 2746.850+/-379.414 χ^2/NDF: 46.2/59

In: 2287.540+/-347.728 χ^2/NDF:53.7/50

Out: 2596.090+/-339.451 χ^2/NDF:53.0/56

All: 2445.531+/-242.901 χ^2/NDF: 107.1/107

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2162.601+/-0.385 χ^2/NDF: 1419748.3/27

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2179.440+/-0.375 χ^2/NDF: 1352613.7/31

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

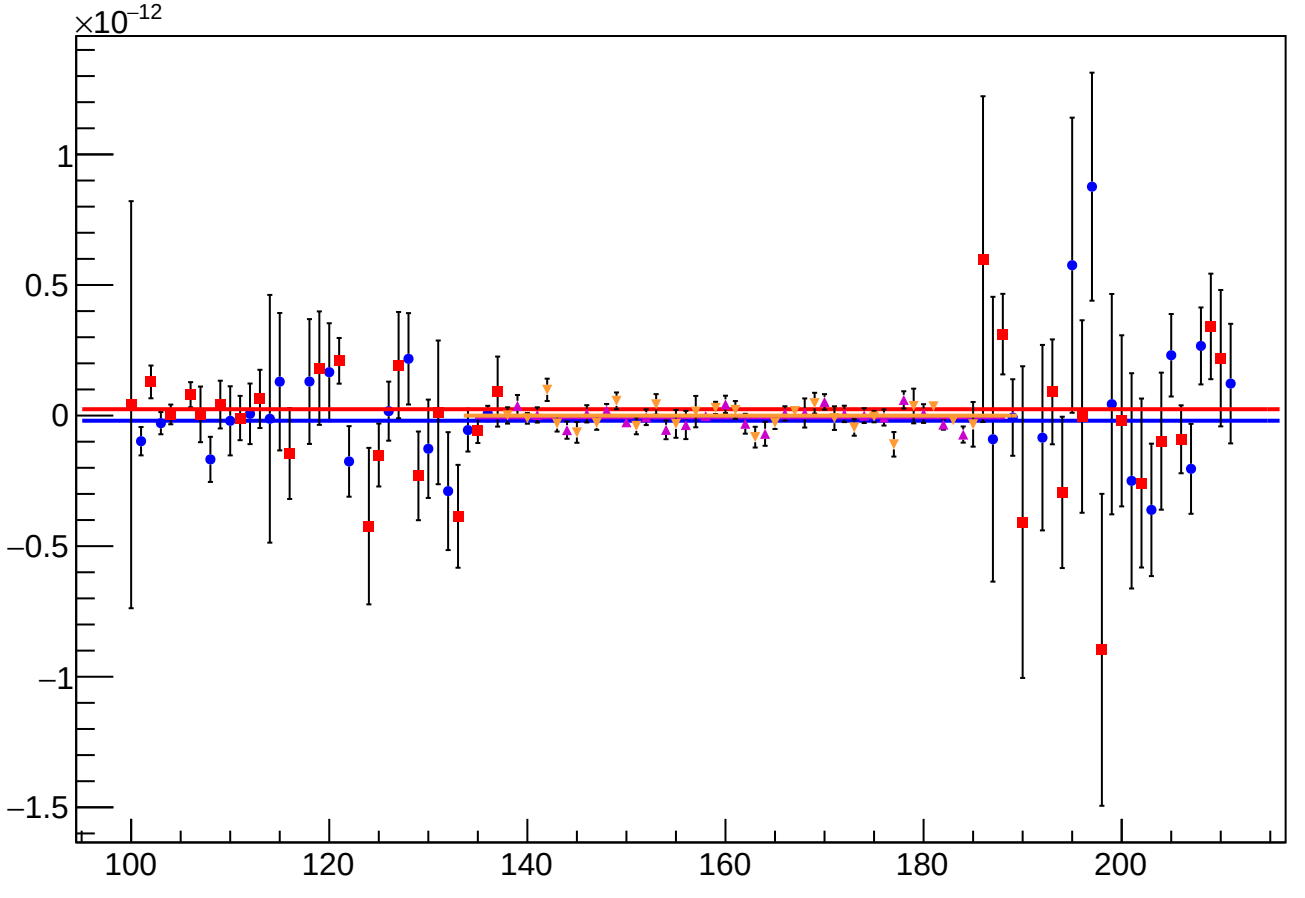
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2171.243+/-0.268 χ^2/NDF: 2773346.2/59

In: 2026.185+/-0.246 χ^2/NDF:1792568.4/50

Out: 2039.286+/-0.240 χ^2/NDF:1729304.0/56

All: 2032.893+/-0.172 χ^2/NDF: 3523326.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/31

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

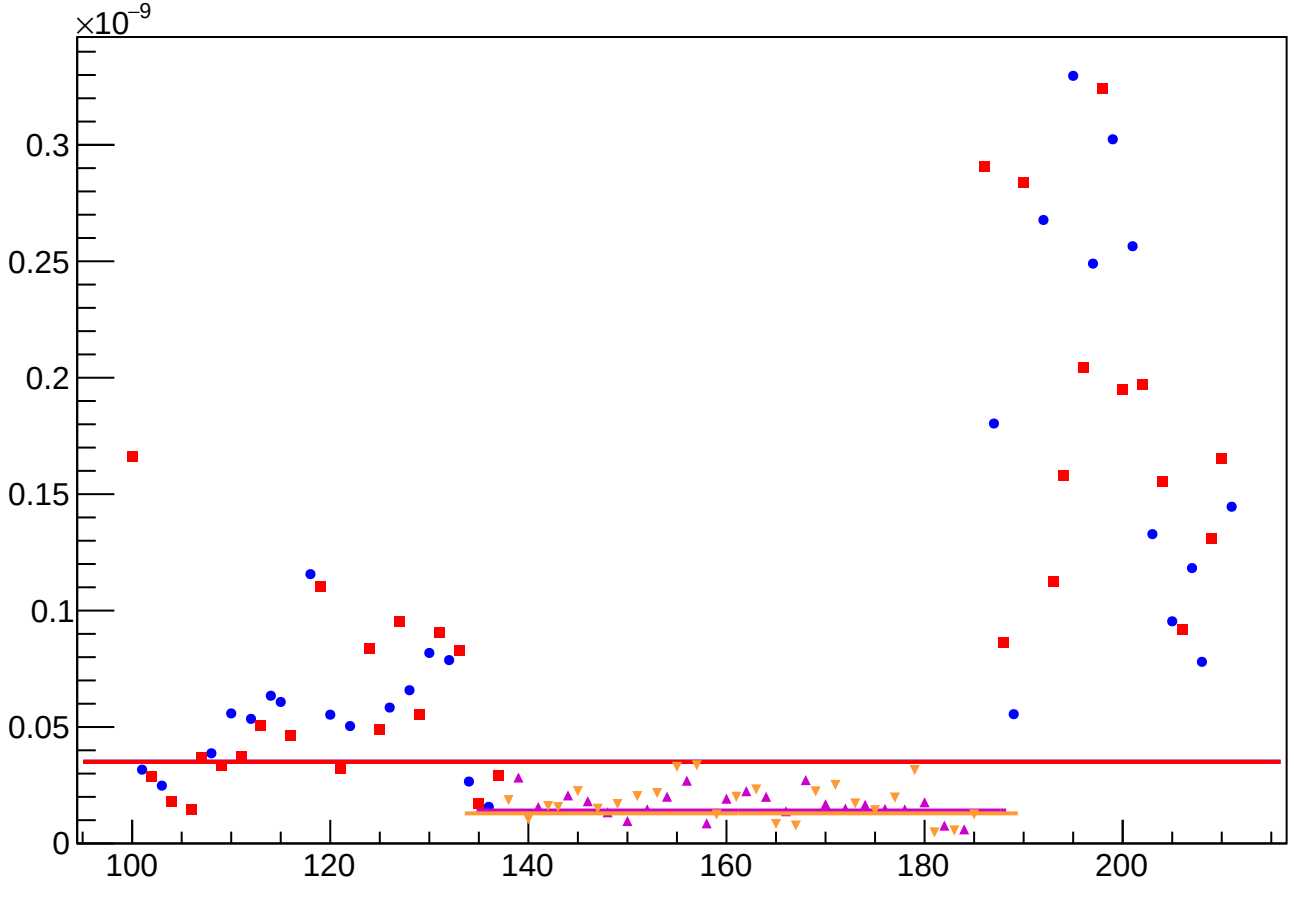
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 69.9/59

In: -0.000+/-0.000 χ^2/NDF:56.2/50

Out: 0.000+/-0.000 χ^2/NDF:80.7/56

All: -0.000+/-0.000 χ^2/NDF: 138.4/107



Right In: 0.000+/-0.000 χ^2/NDF: 6874194.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7081143.0/31

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

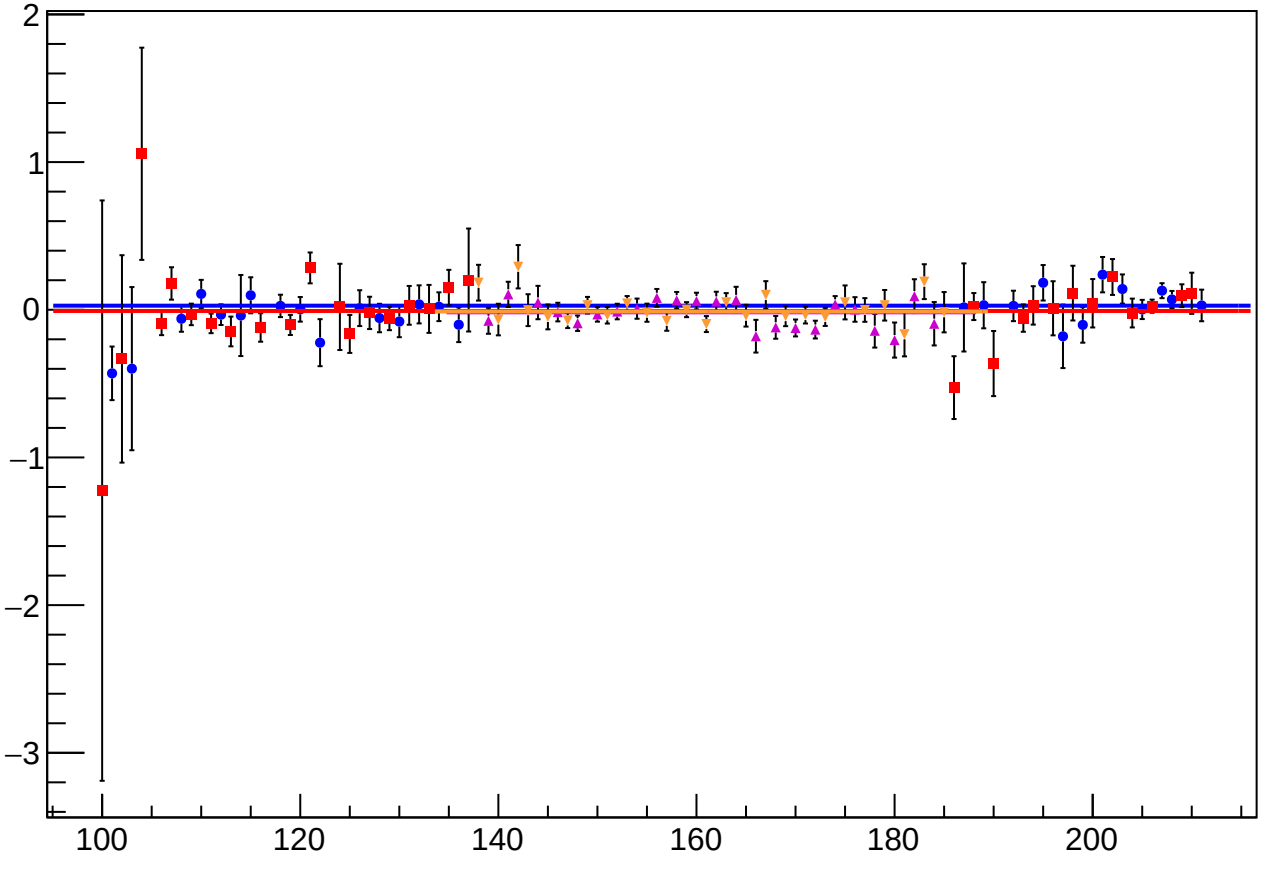
Right: 0.000+/-0.000 χ^2/NDF: 13955382.9/59

In: 0.000+/-0.000 χ^2/NDF:10746601.5/50

Out: 0.000+/-0.000 χ^2/NDF:12489981.3/56

All: 0.000+/-0.000 χ^2/NDF: 23299981.6/107

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.008+/-0.018 χ^2/NDF: 41.7/31

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

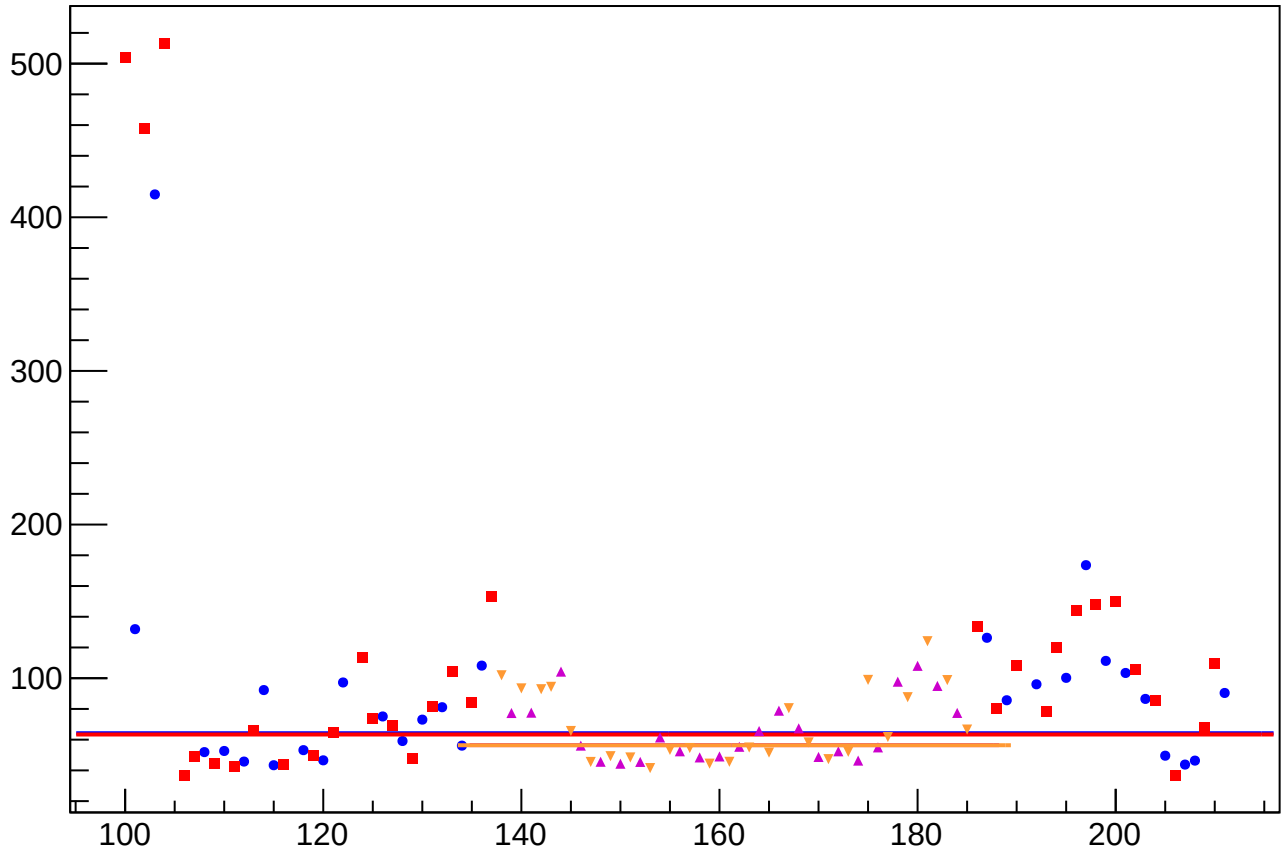
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.010+/-0.013 χ^2/NDF: 71.8/59

In: -0.000+/-0.011 χ^2/NDF:62.5/50

Out: -0.010+/-0.011 χ^2/NDF:63.5/56

All: -0.005+/-0.008 χ^2/NDF: 126.4/107



Right In: 64.185+/-0.013 χ^2/NDF: 4323480.6/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 63.365+/-0.013 χ^2/NDF: 6242655.5/31

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

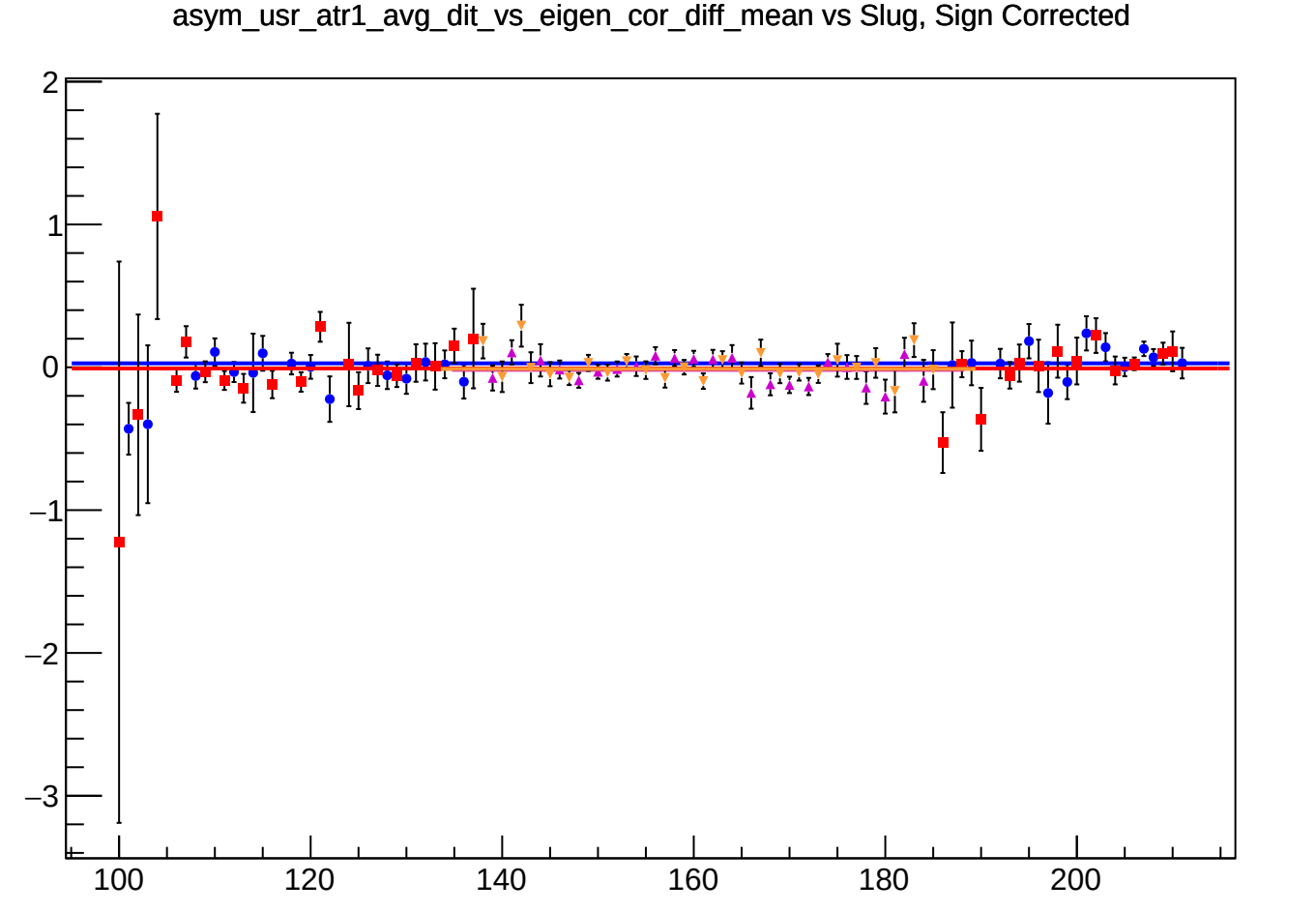
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.769+/-0.009 χ^2/NDF: 10568120.7/59

In: 59.392+/-0.008 χ^2/NDF:6678718.6/50

Out: 59.031+/-0.008 χ^2/NDF:9221241.3/56

All: 59.209+/-0.006 χ^2/NDF: 15900972.8/107



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.008+/-0.018 χ^2/NDF: 41.7/31

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

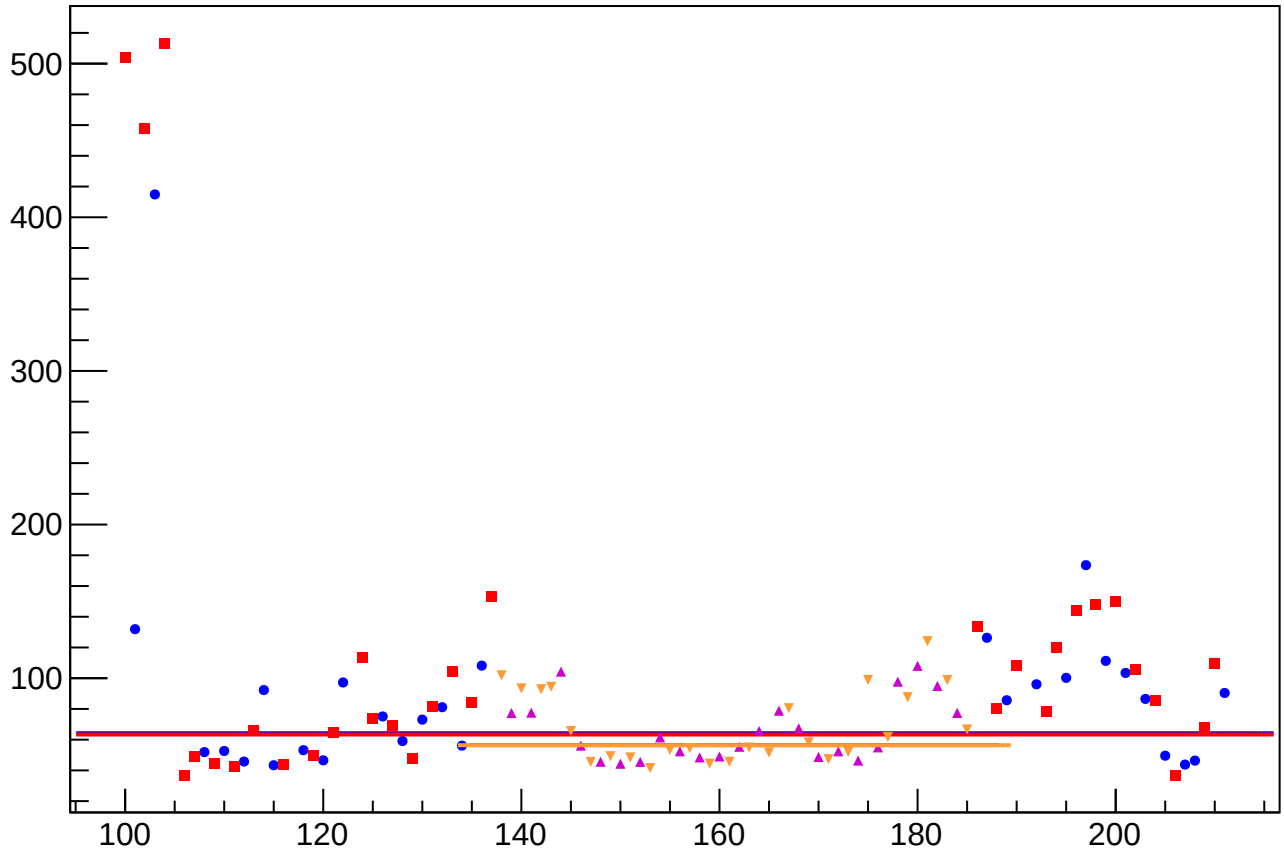
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.010+/-0.013 χ^2/NDF: 71.8/59

In: -0.000+/-0.011 χ^2/NDF:62.5/50

Out: -0.010+/-0.011 χ^2/NDF:63.5/56

All: -0.005+/-0.008 χ^2/NDF: 126.4/107



Right In: 64.185+/-0.013 χ^2/NDF: 4323480.6/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 63.365+/-0.013 χ^2/NDF: 6242655.5/31

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

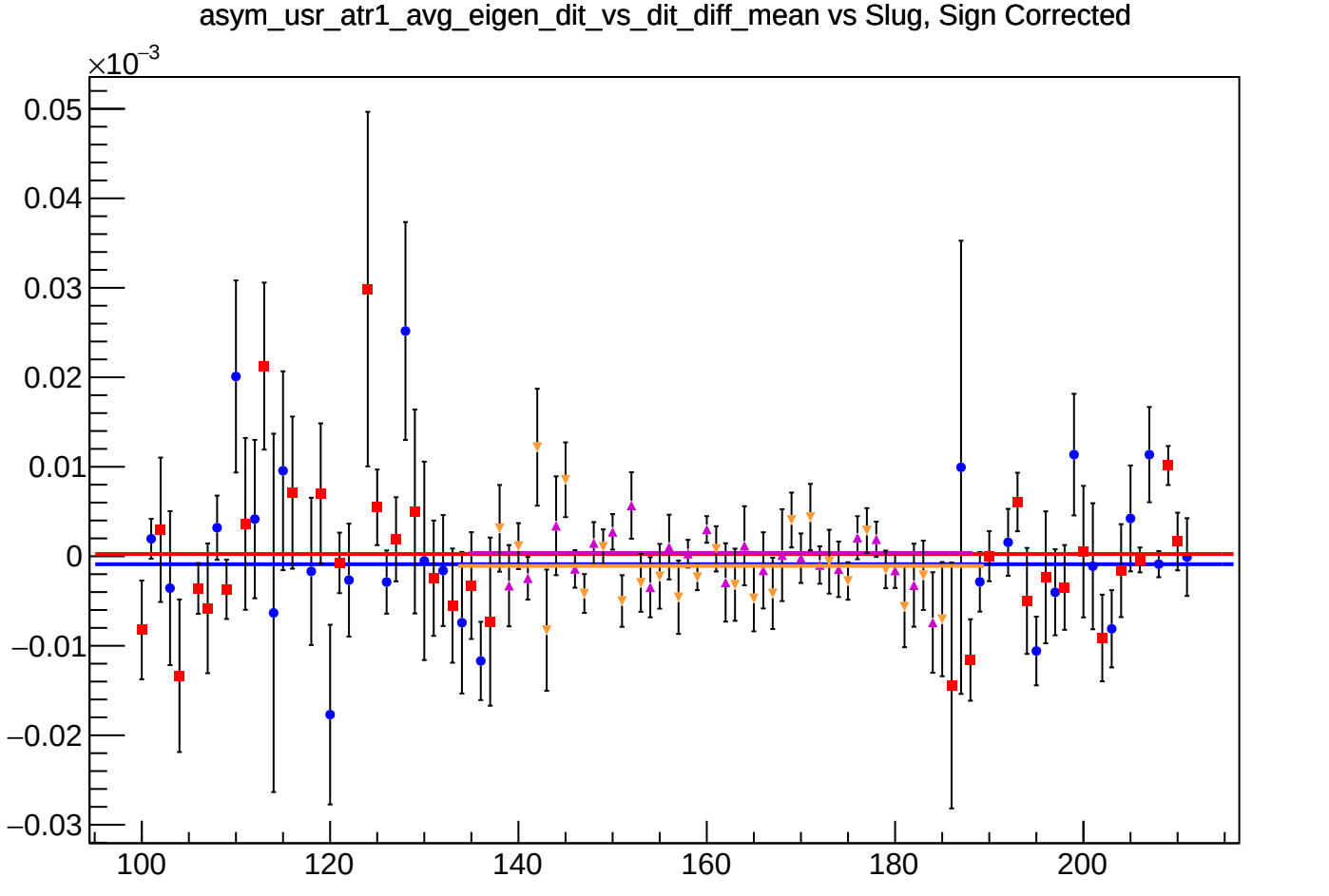
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.769+/-0.009 χ^2/NDF: 10568120.7/59

In: 59.392+/-0.008 χ^2/NDF:6678718.6/50

Out: 59.031+/-0.008 χ^2/NDF:9221241.3/56

All: 59.209+/-0.006 χ^2/NDF: 15900972.8/107



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/31

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

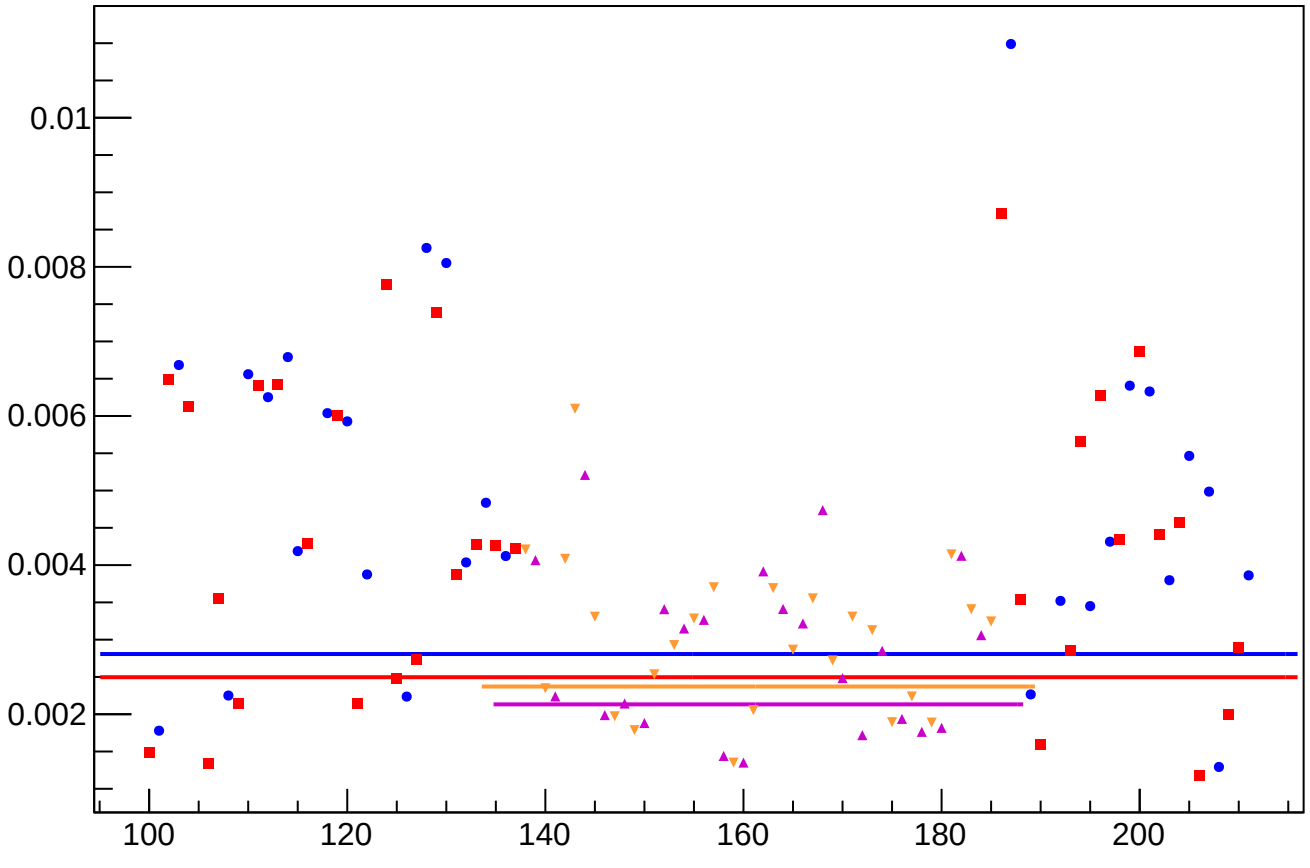
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 102.9/59

In: -0.000+/-0.000 χ^2/NDF:61.8/50

Out: -0.000+/-0.000 χ^2/NDF:92.8/56

All: -0.000+/-0.000 χ^2/NDF: 155.3/107



Right In: 0.003+/-0.000 χ^2/NDF: 8138970.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8959398.2/31

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

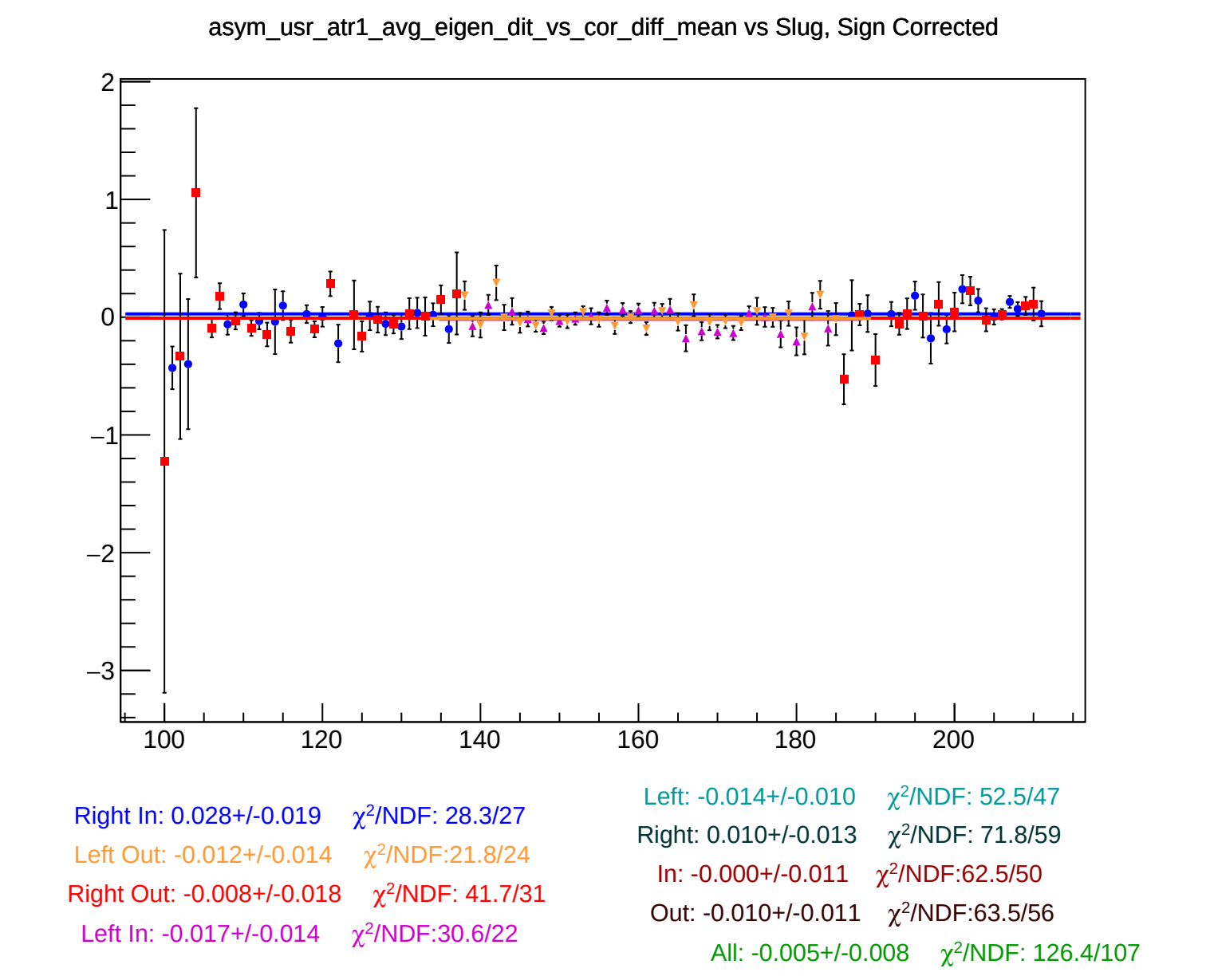
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

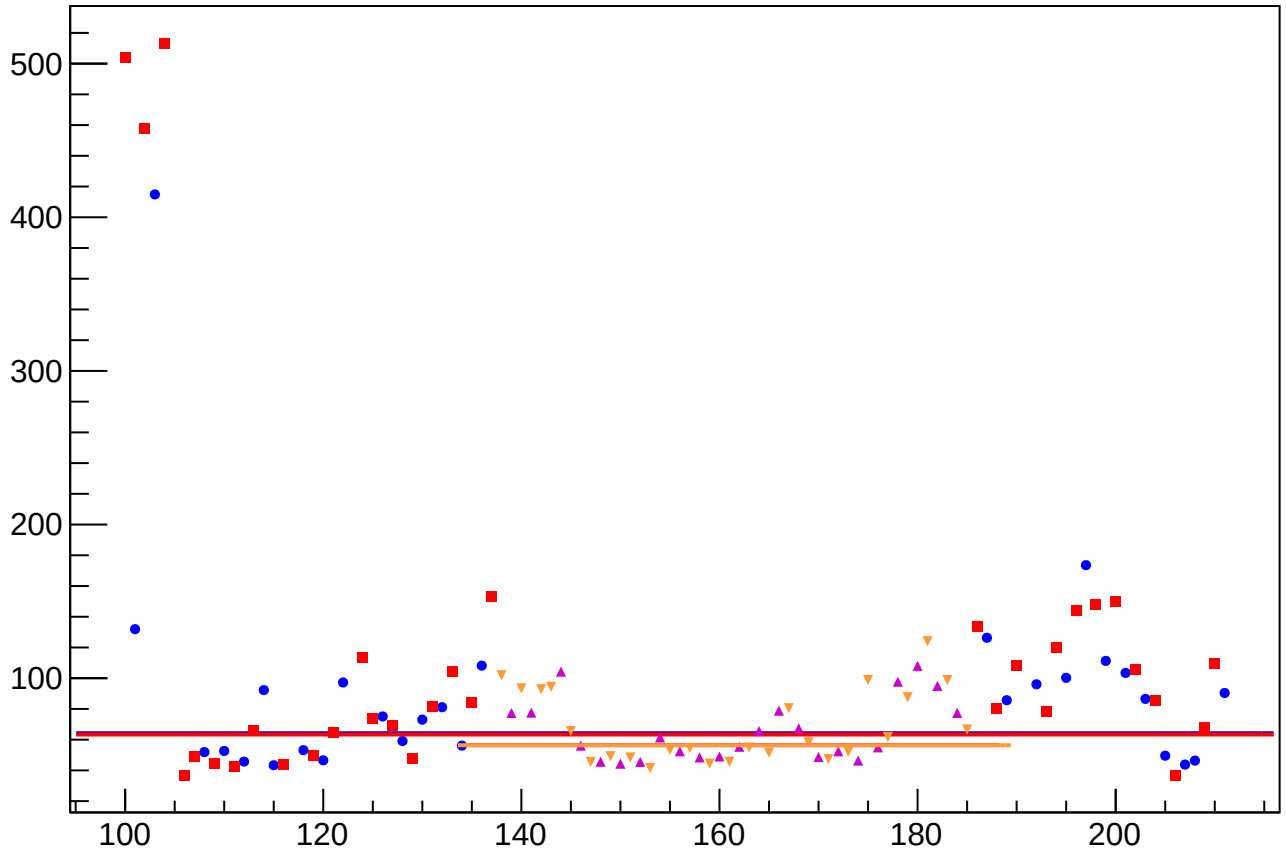
Right: 0.003+/-0.000 χ^2/NDF: 17262526.2/59

In: 0.002+/-0.000 χ^2/NDF:13621747.2/50

Out: 0.002+/-0.000 χ^2/NDF:13156991.4/56

All: 0.002+/-0.000 χ^2/NDF: 26812449.9/107


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: 28.3/27
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.008+/-0.018 χ²/NDF: 41.7/31
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.010+/-0.013 χ²/NDF: 71.8/59
In: -0.000+/-0.011 χ²/NDF:62.5/50
Out: -0.010+/-0.011 χ²/NDF:63.5/56
All: -0.005+/-0.008 χ²/NDF: 126.4/107



Right In: 64.185+/-0.013 χ^2/NDF: 4323445.4/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 63.364+/-0.013 χ^2/NDF: 6242698.7/31

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

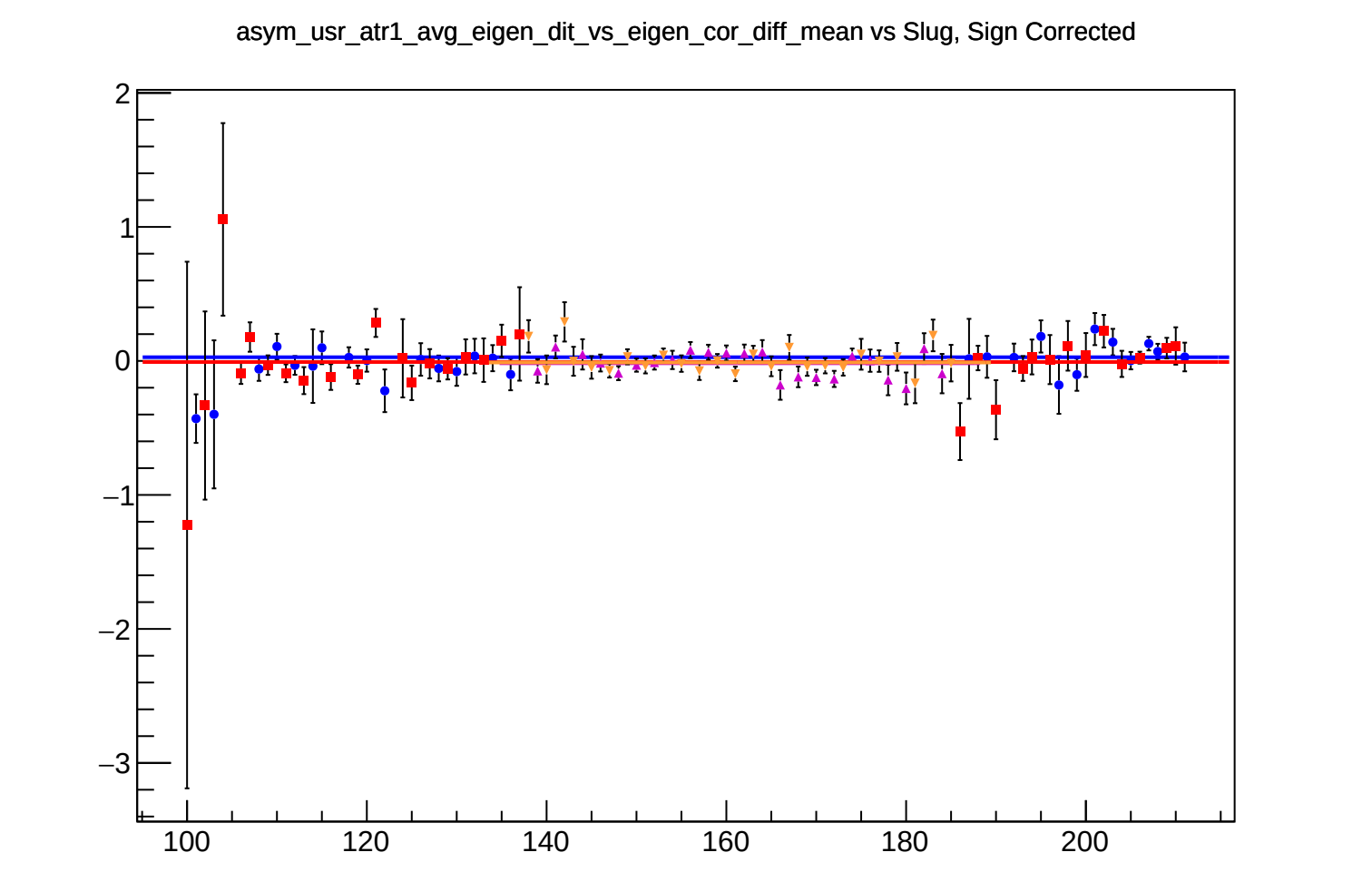
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 63.769+/-0.009 χ^2/NDF: 10568130.0/59

In: 59.392+/-0.008 χ^2/NDF:6678644.2/50

Out: 59.031+/-0.008 χ^2/NDF:9221321.0/56

All: 59.209+/-0.006 χ^2/NDF: 15900978.3/107



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/27

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.008+/-0.018 χ^2/NDF: 41.7/31

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

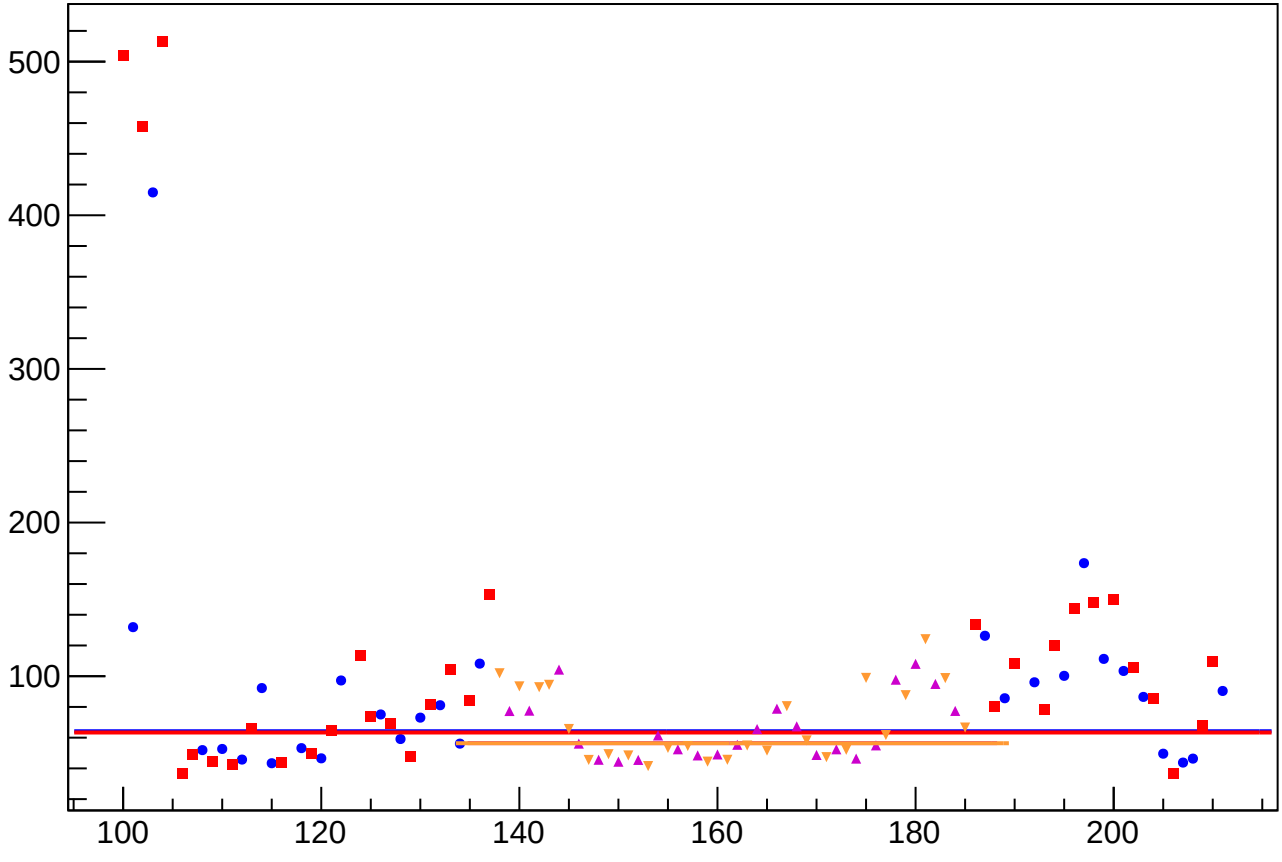
Right: 0.010+/-0.013 χ^2/NDF: 71.8/59

In: -0.000+/-0.011 χ^2/NDF:62.5/50

Out: -0.010+/-0.011 χ^2/NDF:63.5/56

All: -0.005+/-0.008 χ^2/NDF: 126.4/107

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.185+/-0.013 χ^2/NDF: 4323445.4/27

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 63.364+/-0.013 χ^2/NDF: 6242698.7/31

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

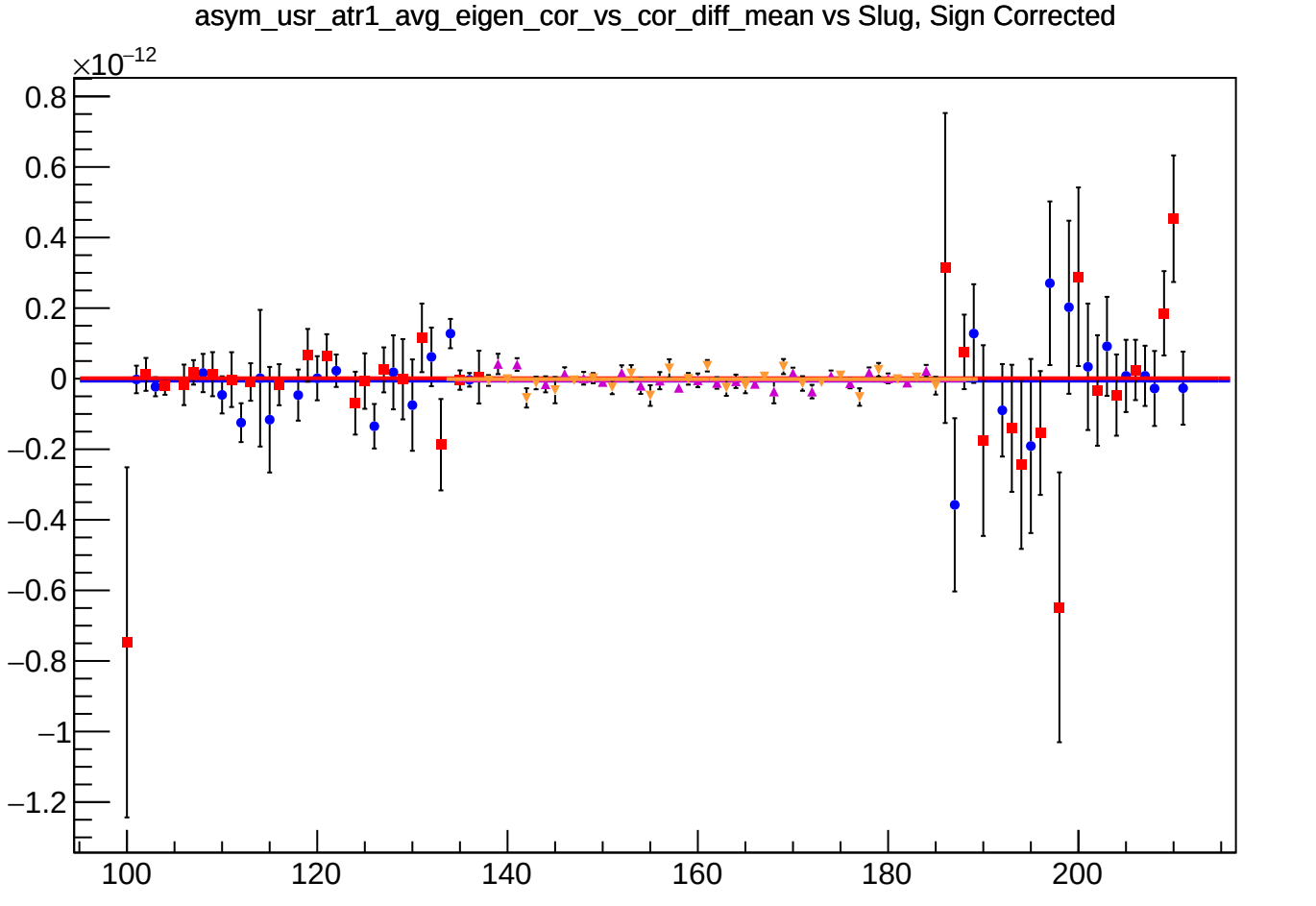
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

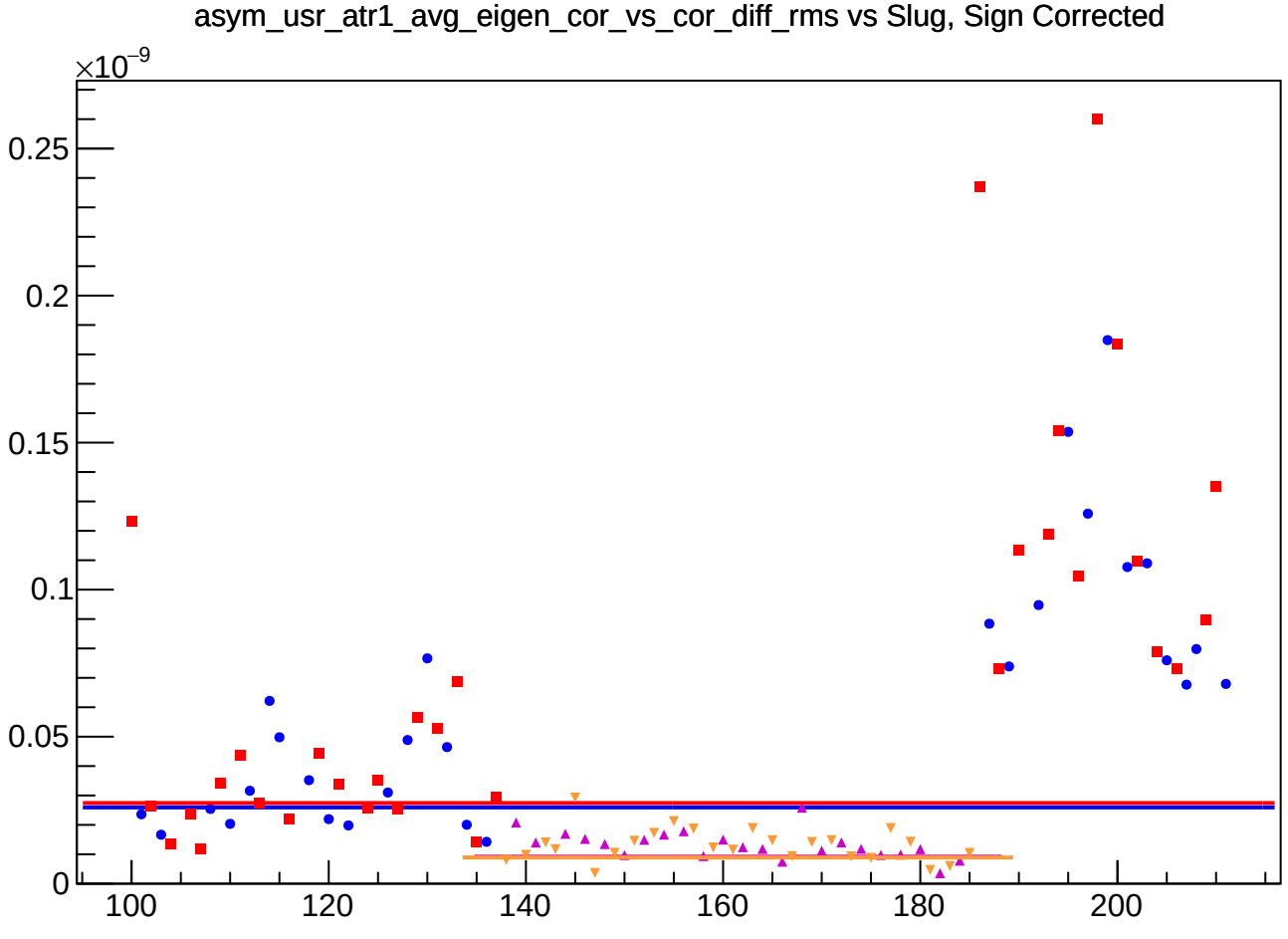
Right: 63.769+/-0.009 χ^2/NDF: 10568130.0/59

In: 59.392+/-0.008 χ^2/NDF:6678644.2/50

Out: 59.031+/-0.008 χ^2/NDF:9221321.0/56

All: 59.209+/-0.006 χ^2/NDF: 15900978.3/107


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: 29.3/27
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.8/31
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: 56.3/59
In: -0.000+/-0.000 χ²/NDF:57.7/50
Out: -0.000+/-0.000 χ²/NDF:56.5/56
All: -0.000+/-0.000 χ²/NDF: 115.1/107



Right In: 0.000+/-0.000 χ^2/NDF: 7371857.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9124025.9/31

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

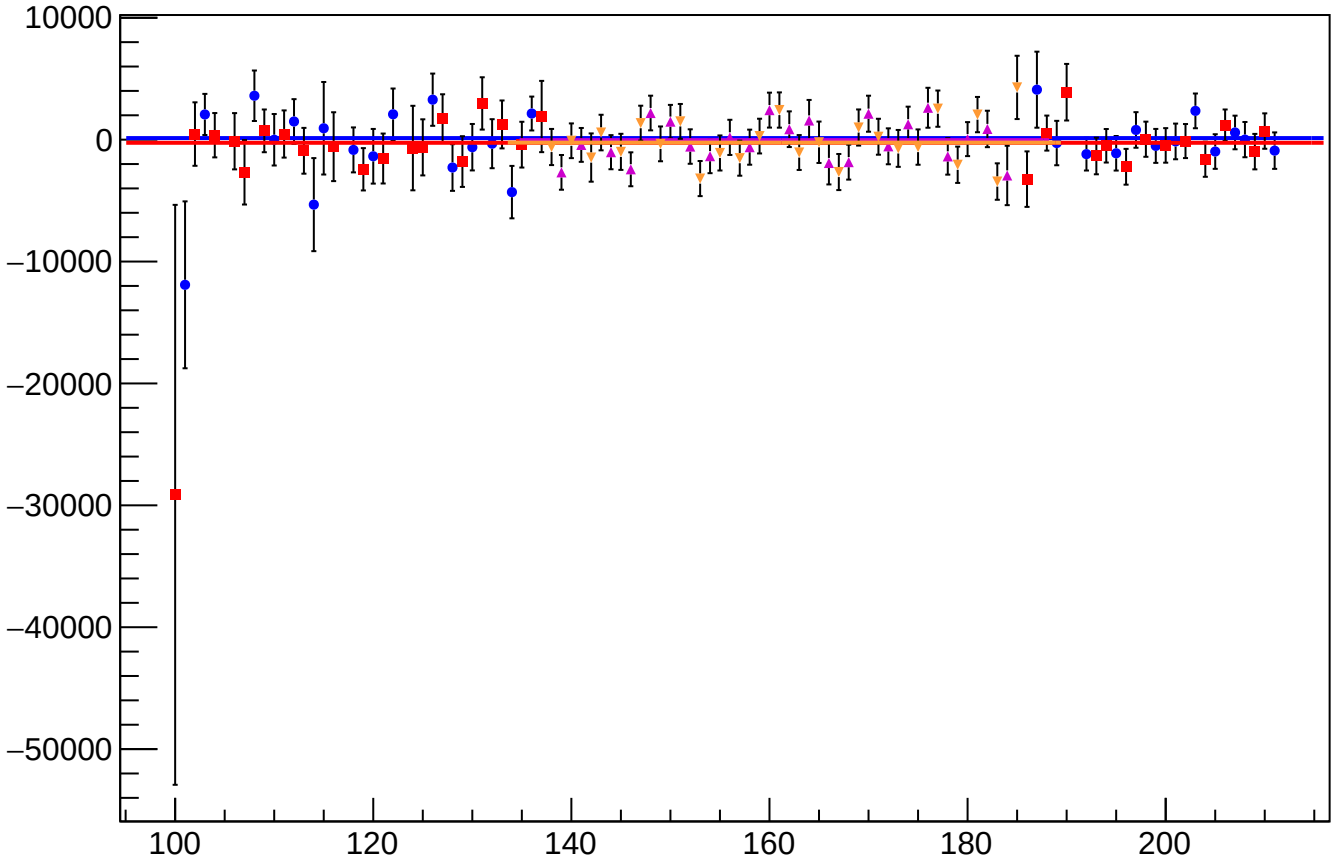
Right: 0.000+/-0.000 χ^2/NDF: 16513845.9/59

In: 0.000+/-0.000 χ^2/NDF:16895454.0/50

Out: 0.000+/-0.000 χ^2/NDF:19089774.8/56

All: 0.000+/-0.000 χ^2/NDF: 35999114.7/107

reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 130.009+/-331.942 χ^2/NDF: 29.3/27

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -255.802+/-319.429 χ^2/NDF: 20.5/31

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

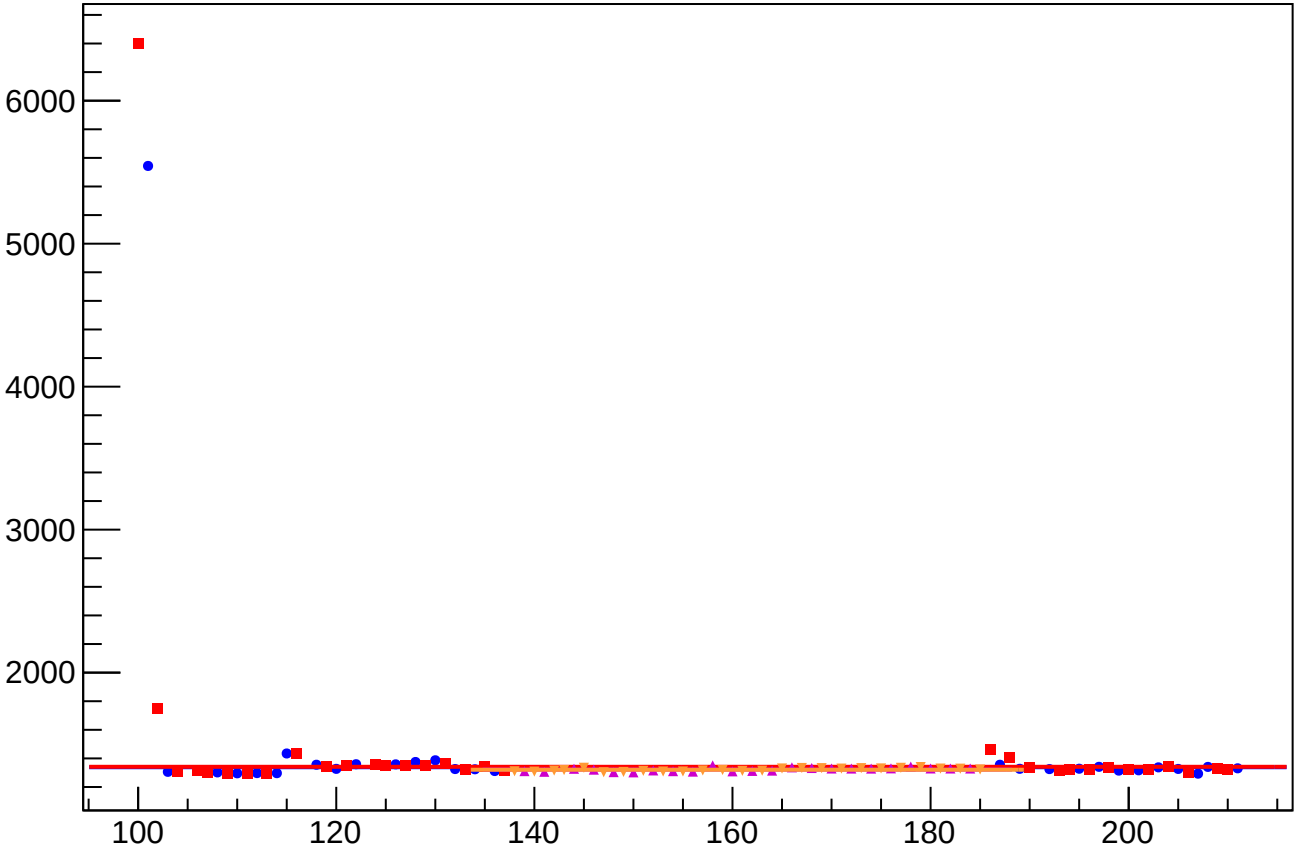
Right: -70.306+/-230.167 χ^2/NDF: 50.4/59

In: 39.294+/-226.024 χ^2/NDF:56.5/50

Out: -247.870+/-218.681 χ^2/NDF:52.2/56

All: -109.028+/-157.163 χ^2/NDF: 109.6/107

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1338.340+/-0.235 χ^2/NDF: 766473.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1341.339+/-0.226 χ^2/NDF: 161938.5/31

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

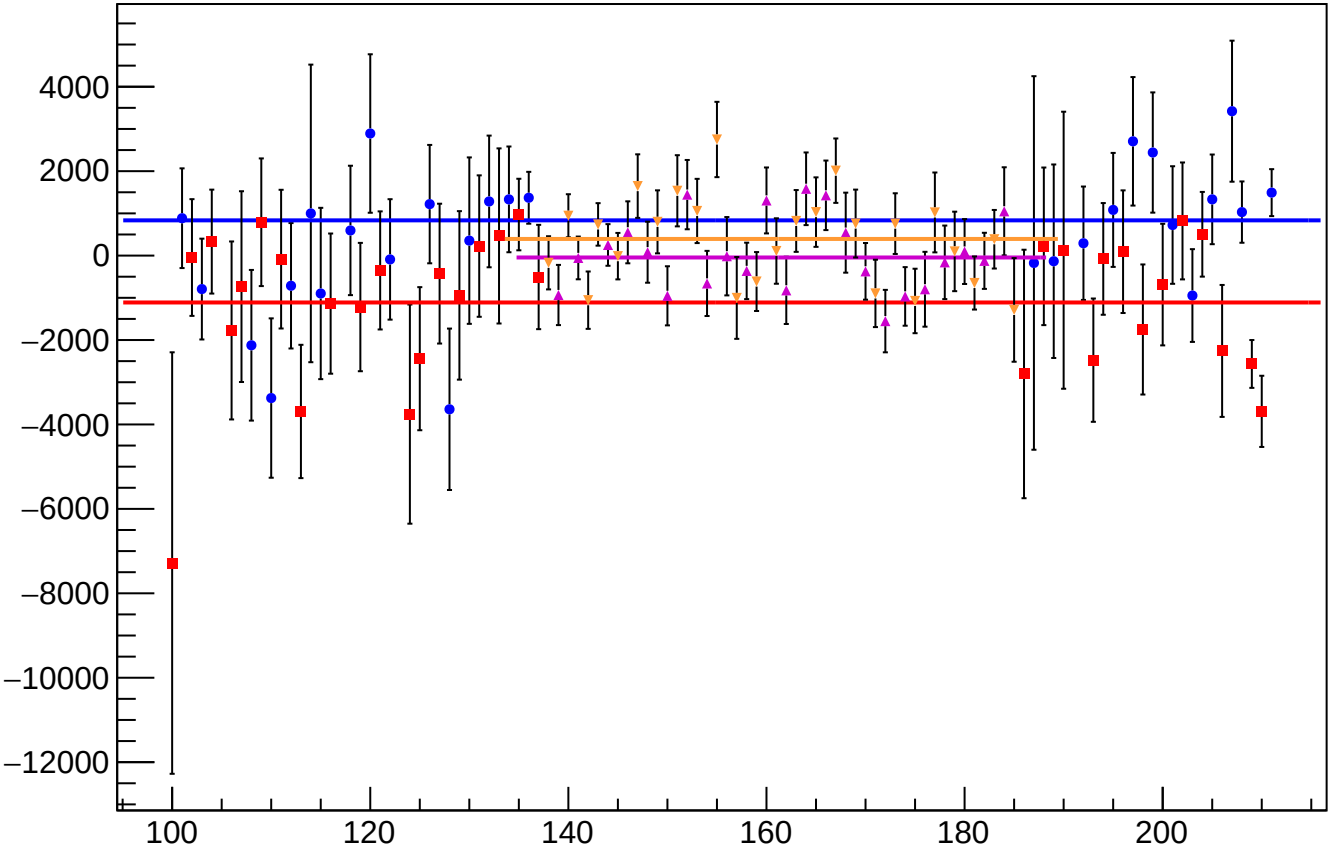
Right: 1339.897+/-0.163 χ^2/NDF: 928496.8/59

In: 1329.459+/-0.160 χ^2/NDF:772695.7/50

Out: 1330.394+/-0.155 χ^2/NDF:168959.6/56

All: 1329.942+/-0.111 χ^2/NDF: 941673.0/107

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 834.765+/-231.136 χ^2/NDF: 29.6/27

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -1110.560+/-240.652 χ^2/NDF: 42.3/31

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

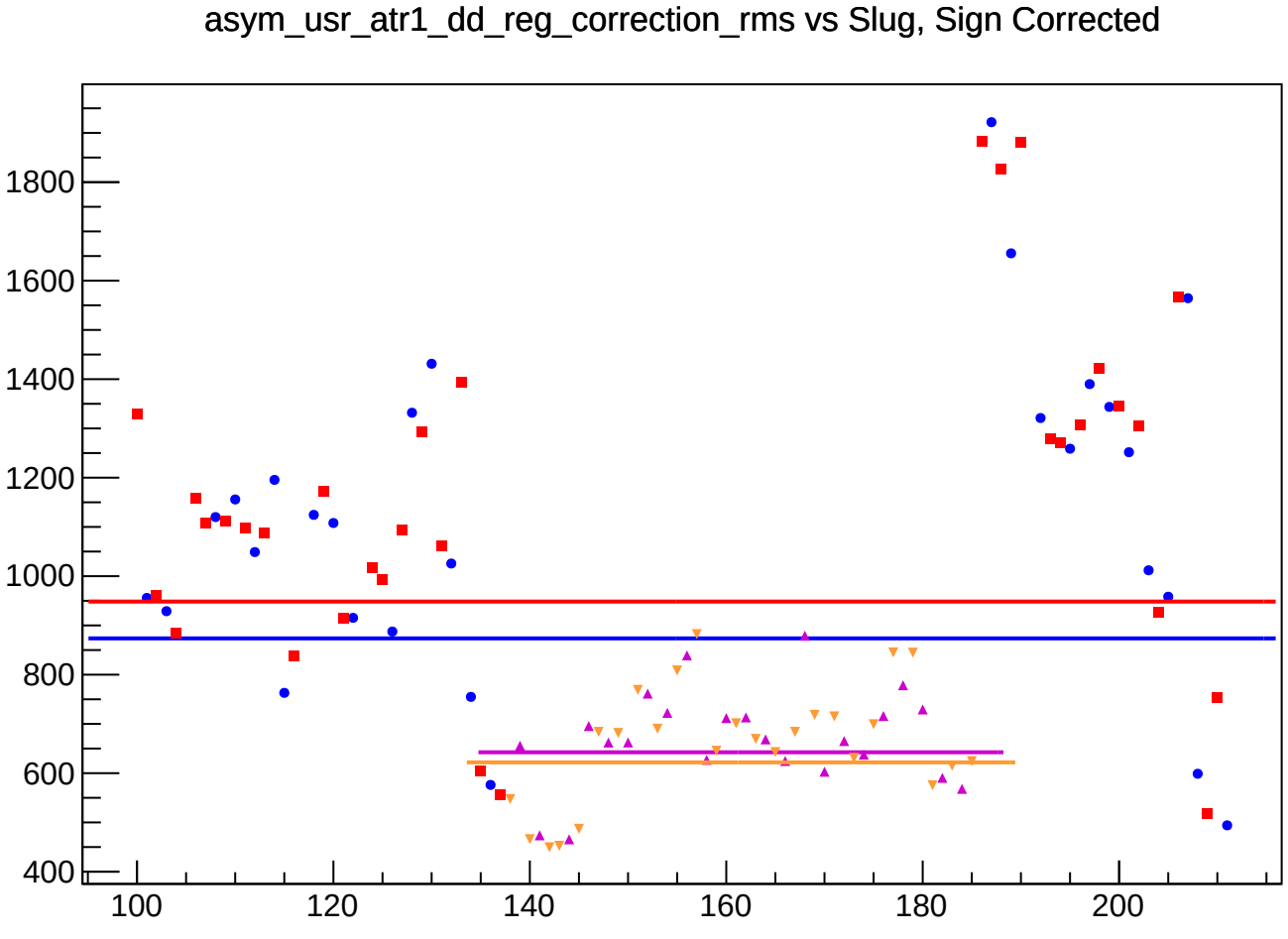
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -98.676+/-166.700 χ^2/NDF: 105.9/59

In: 221.571+/-127.193 χ^2/NDF:67.3/50

Out: -4.554+/-123.922 χ^2/NDF:112.9/56

All: 105.563+/-88.760 χ^2/NDF: 181.8/107



Right In: 873.677+/-0.163 χ^2/NDF: 3944830.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 948.440+/-0.170 χ^2/NDF: 4063440.1/31

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

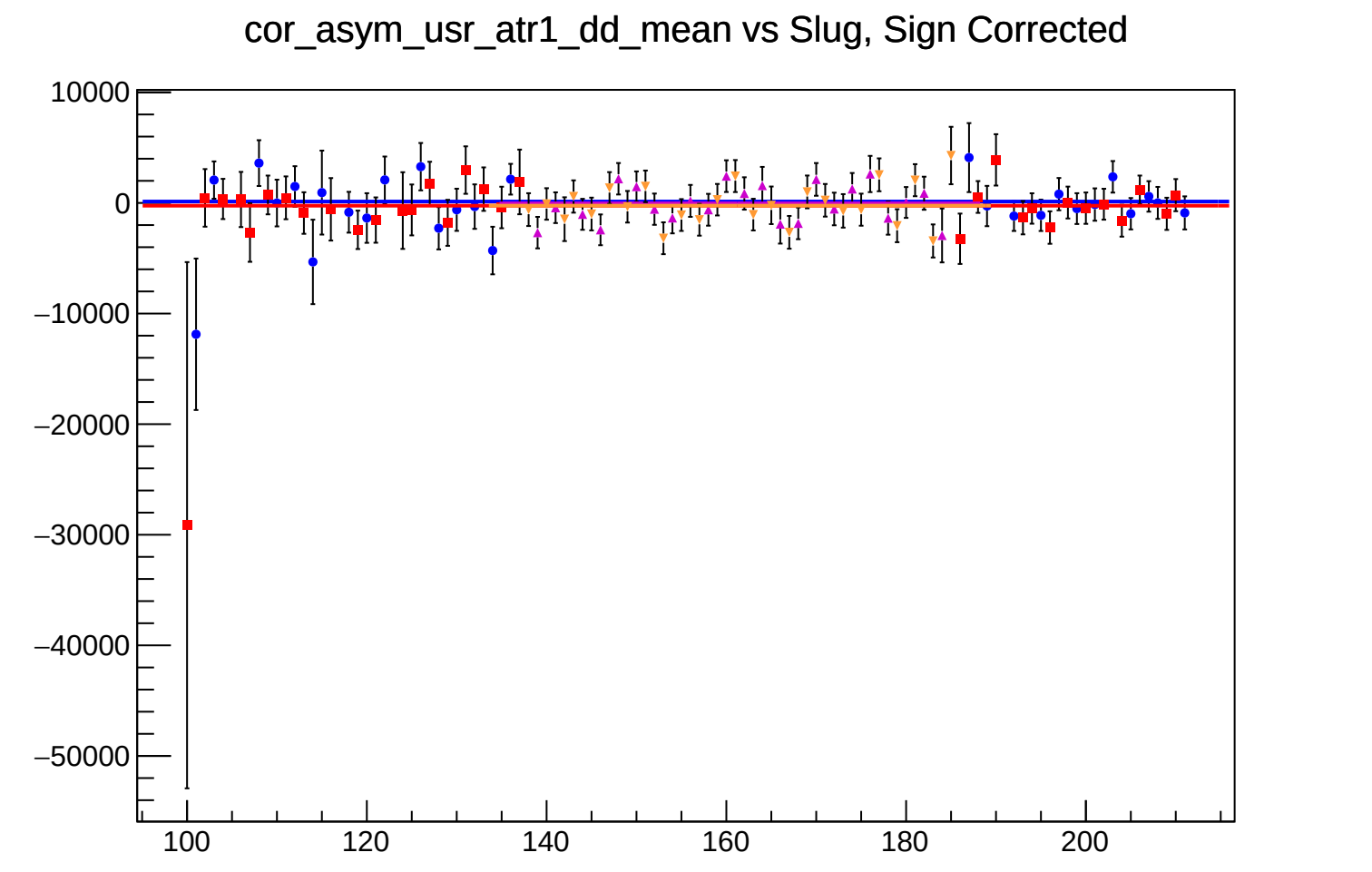
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 909.551+/-0.118 χ^2/NDF: 8108676.1/59

In: 712.486+/-0.090 χ^2/NDF:6266369.4/50

Out: 708.524+/-0.088 χ^2/NDF:8151988.7/56

All: 710.453+/-0.063 χ^2/NDF: 14419353.5/10



Right In: 130.117+/-331.942 χ^2/NDF: 29.2/27

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -249.004+/-319.871 χ^2/NDF: 20.5/31

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

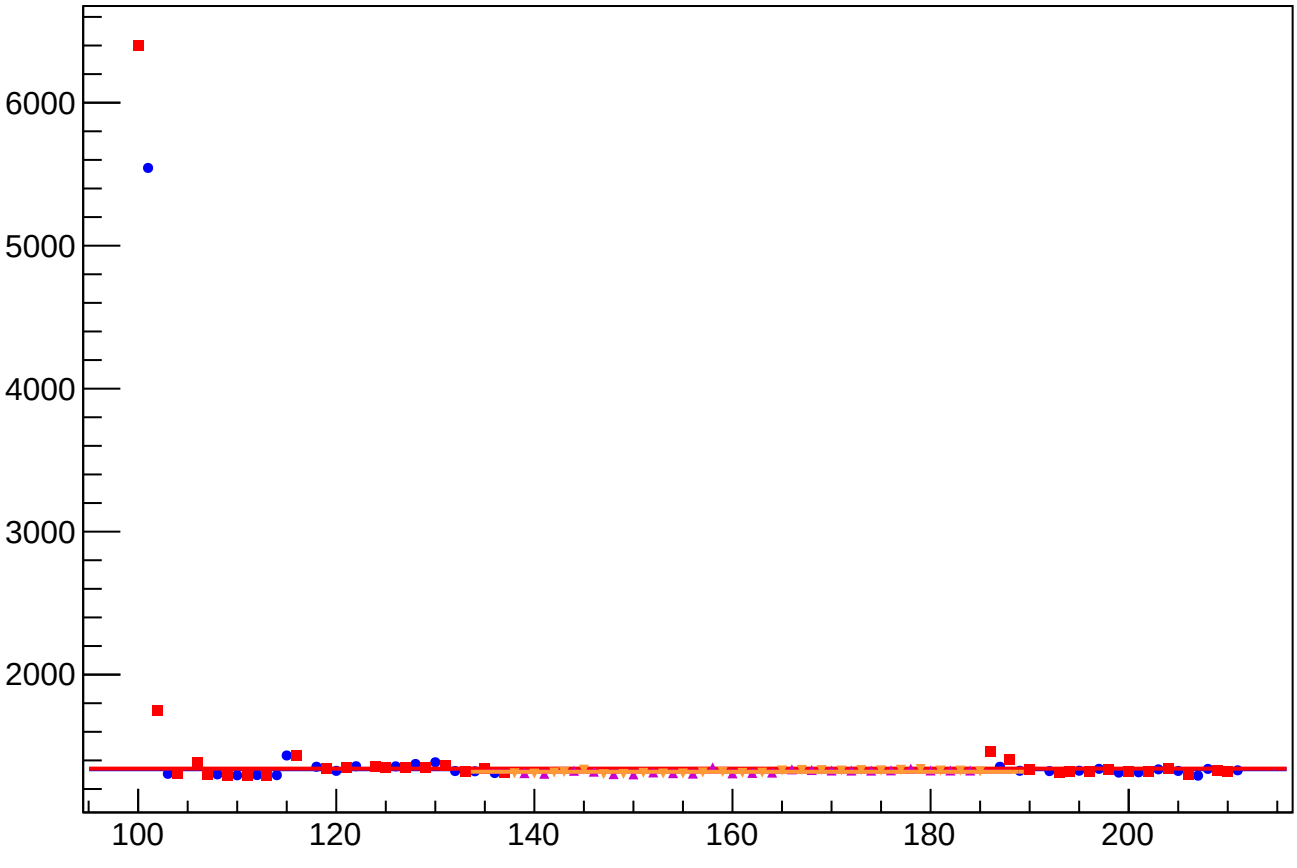
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -66.462+/-230.332 χ^2/NDF: 50.4/59

In: 39.306+/-226.024 χ^2/NDF:56.5/50

Out: -244.679+/-218.823 χ^2/NDF:52.3/56

All: -107.282+/-157.215 χ^2/NDF: 109.6/107



Right In: 1338.340+/-0.235 χ^2/NDF: 766472.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.576+/-0.226 χ^2/NDF: 162418.5/31

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

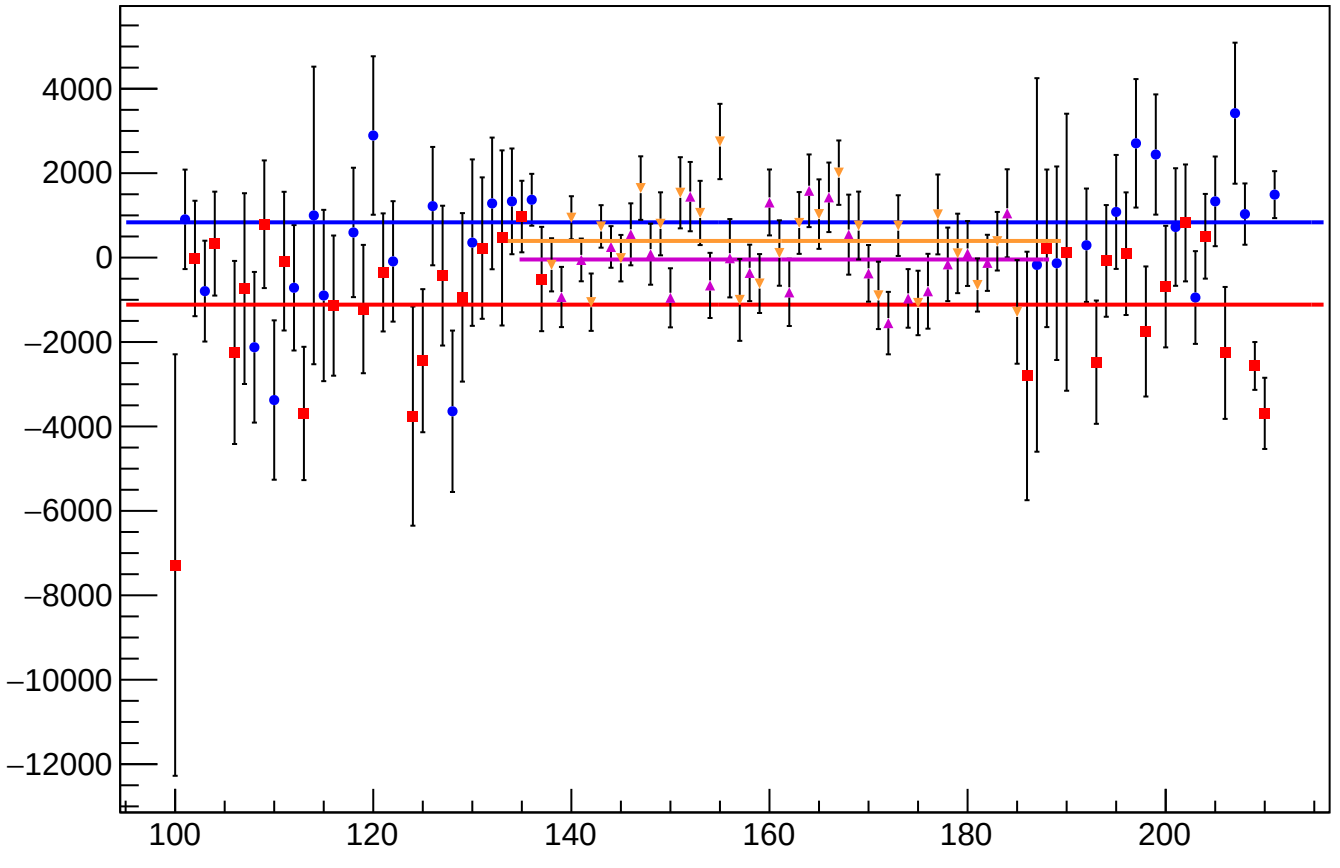
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.536+/-0.163 χ^2/NDF: 929060.1/59

In: 1329.459+/-0.160 χ^2/NDF:772694.8/50

Out: 1330.959+/-0.155 χ^2/NDF:169979.3/56

All: 1330.233+/-0.111 χ^2/NDF: 942719.5/107



Right In: 835.566+/-231.117 χ^2/NDF: 29.6/27

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1114.498+/-240.653 χ^2/NDF: 42.6/31

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

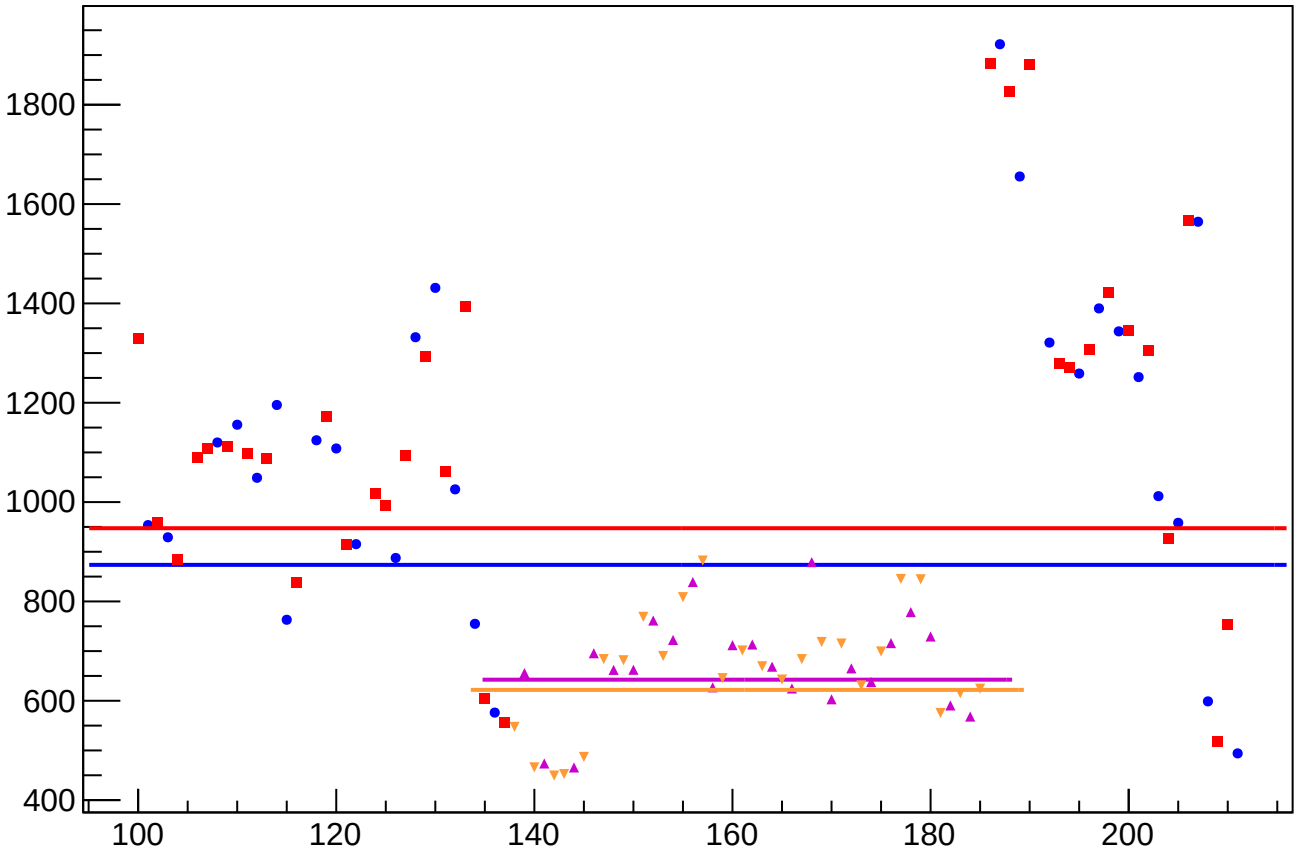
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -100.064+/-166.694 χ^2/NDF: 106.3/59

In: 221.849+/-127.189 χ^2/NDF:67.3/50

Out: -5.615+/-123.922 χ^2/NDF:113.3/56

All: 105.158+/-88.759 χ^2/NDF: 182.2/107



Right In: 873.612+/-0.163 χ^2/NDF: 3944520.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 947.416+/-0.170 χ^2/NDF: 4052327.3/31

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

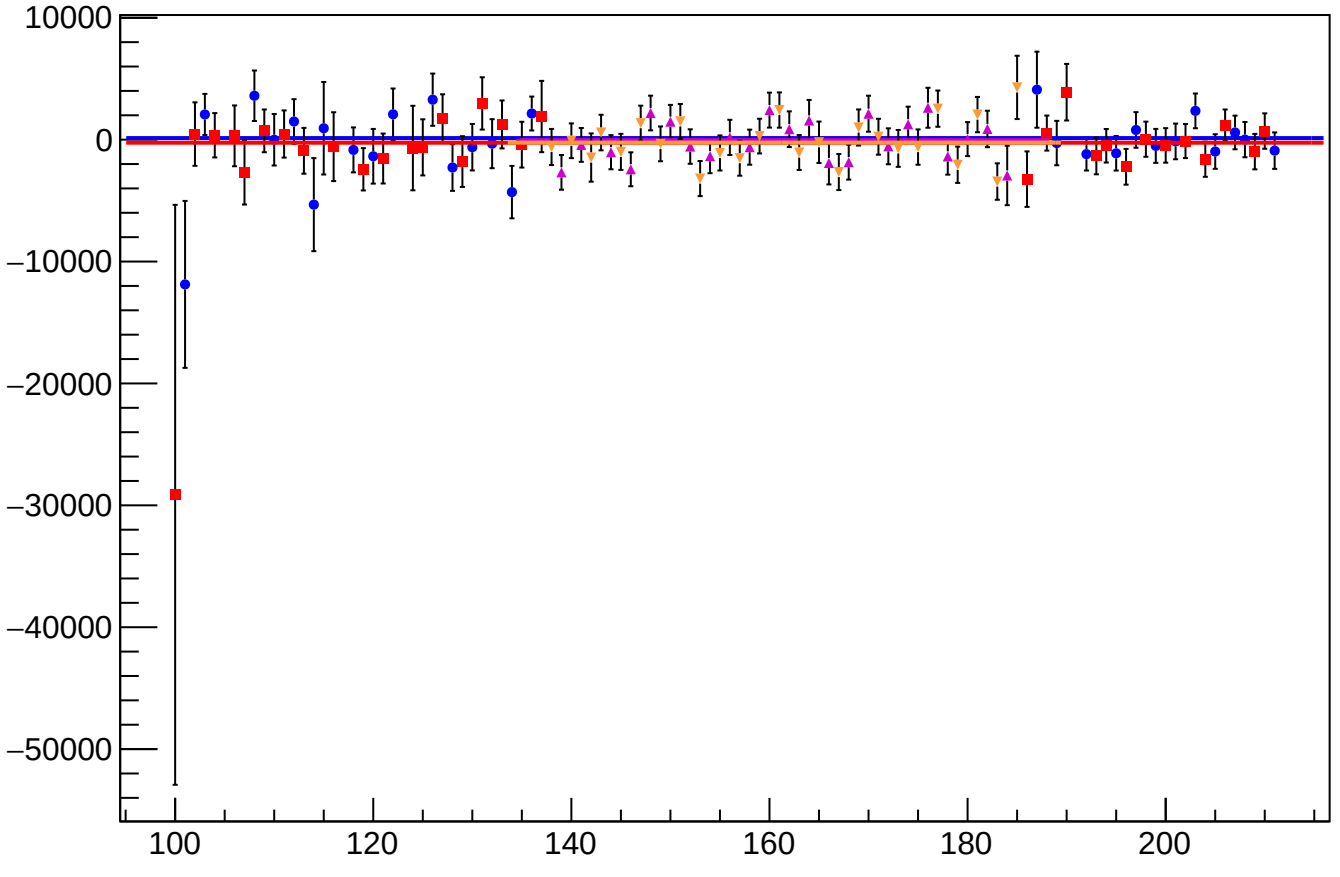
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 909.023+/-0.118 χ^2/NDF: 8094702.7/59

In: 712.470+/-0.090 χ^2/NDF:6265539.1/50

Out: 708.252+/-0.088 χ^2/NDF:8123819.2/56

All: 710.306+/-0.063 χ^2/NDF: 14390486.8/10



Right In: 130.117+/-331.942 χ^2/NDF: 29.2/27

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -249.004+/-319.871 χ^2/NDF: 20.5/31

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

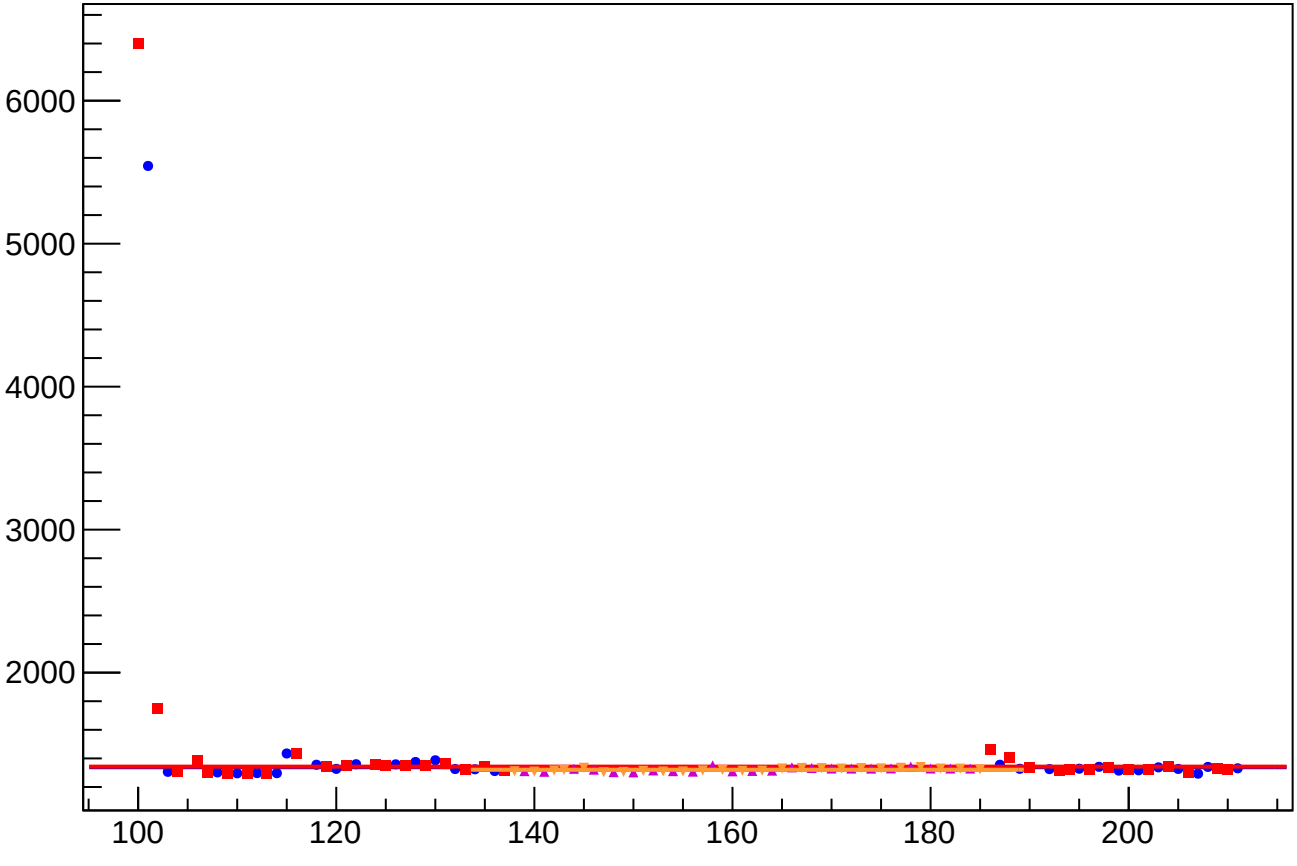
Right: -66.462+/-230.332 χ^2/NDF: 50.4/59

In: 39.306+/-226.024 χ^2/NDF:56.5/50

Out: -244.679+/-218.823 χ^2/NDF:52.3/56

All: -107.282+/-157.215 χ^2/NDF: 109.6/107

eigen_cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1338.340+/-0.235 χ^2/NDF: 766472.6/27

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.576+/-0.226 χ^2/NDF: 162418.5/31

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

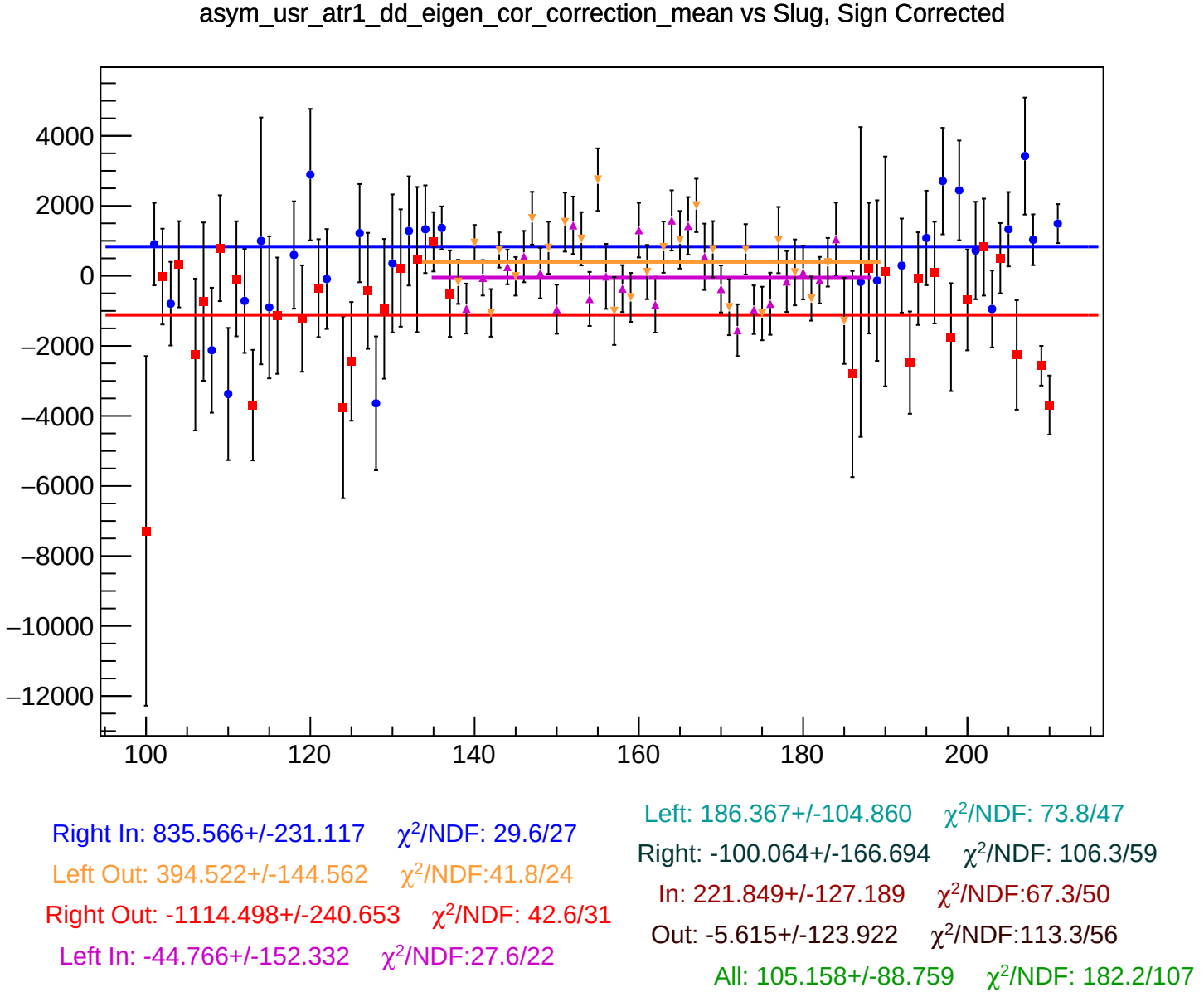
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.536+/-0.163 χ^2/NDF: 929060.1/59

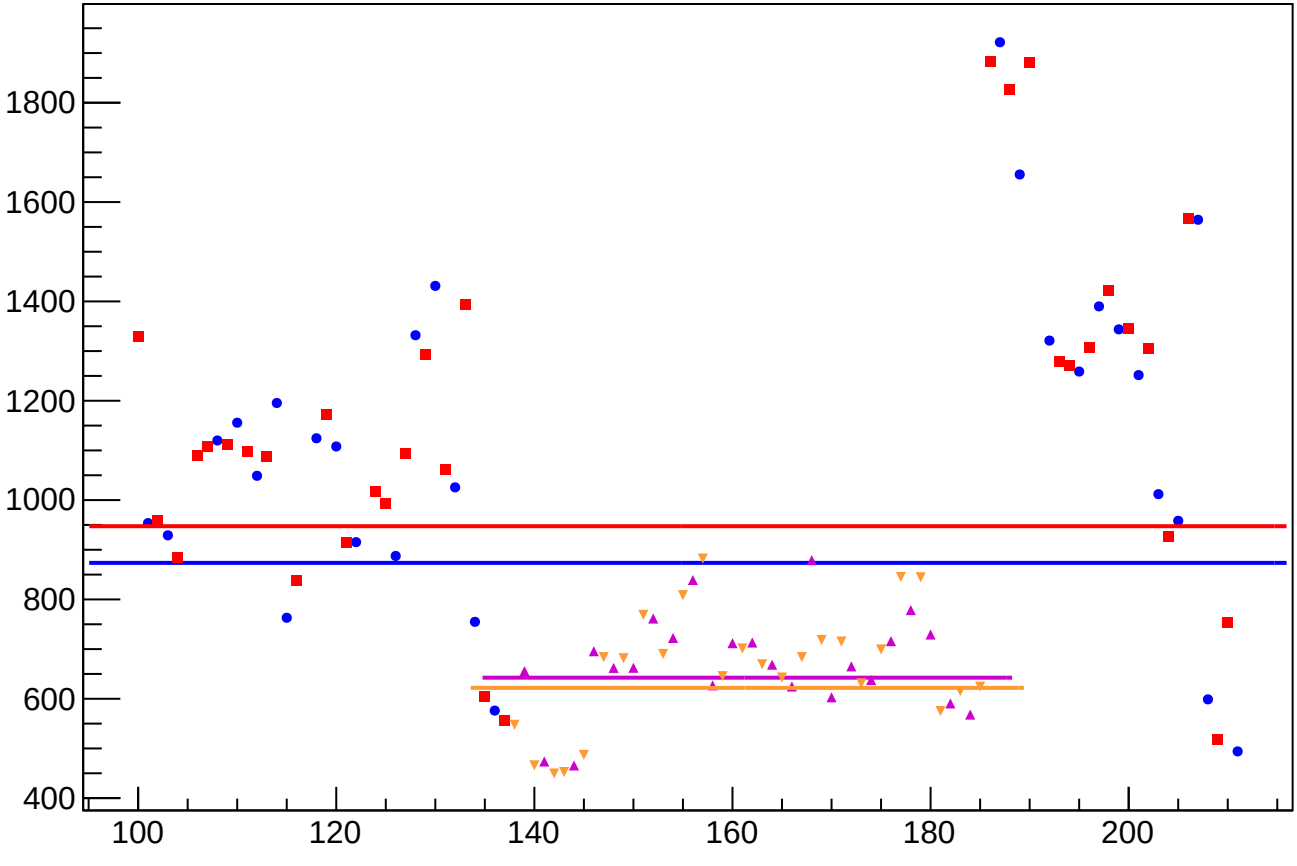
In: 1329.459+/-0.160 χ^2/NDF:772694.8/50

Out: 1330.959+/-0.155 χ^2/NDF:169979.3/56

All: 1330.233+/-0.111 χ^2/NDF: 942719.5/107


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 835.566+/-231.117 χ²/NDF: 29.6/27
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1114.498+/-240.653 χ²/NDF: 42.6/31
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: -100.064+/-166.694 χ²/NDF: 106.3/59
In: 221.849+/-127.189 χ²/NDF:67.3/50
Out: -5.615+/-123.922 χ²/NDF:113.3/56
All: 105.158+/-88.759 χ²/NDF: 182.2/107

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.612+/-0.163 χ^2/NDF: 3944520.4/27

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 947.416+/-0.170 χ^2/NDF: 4052327.3/31

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

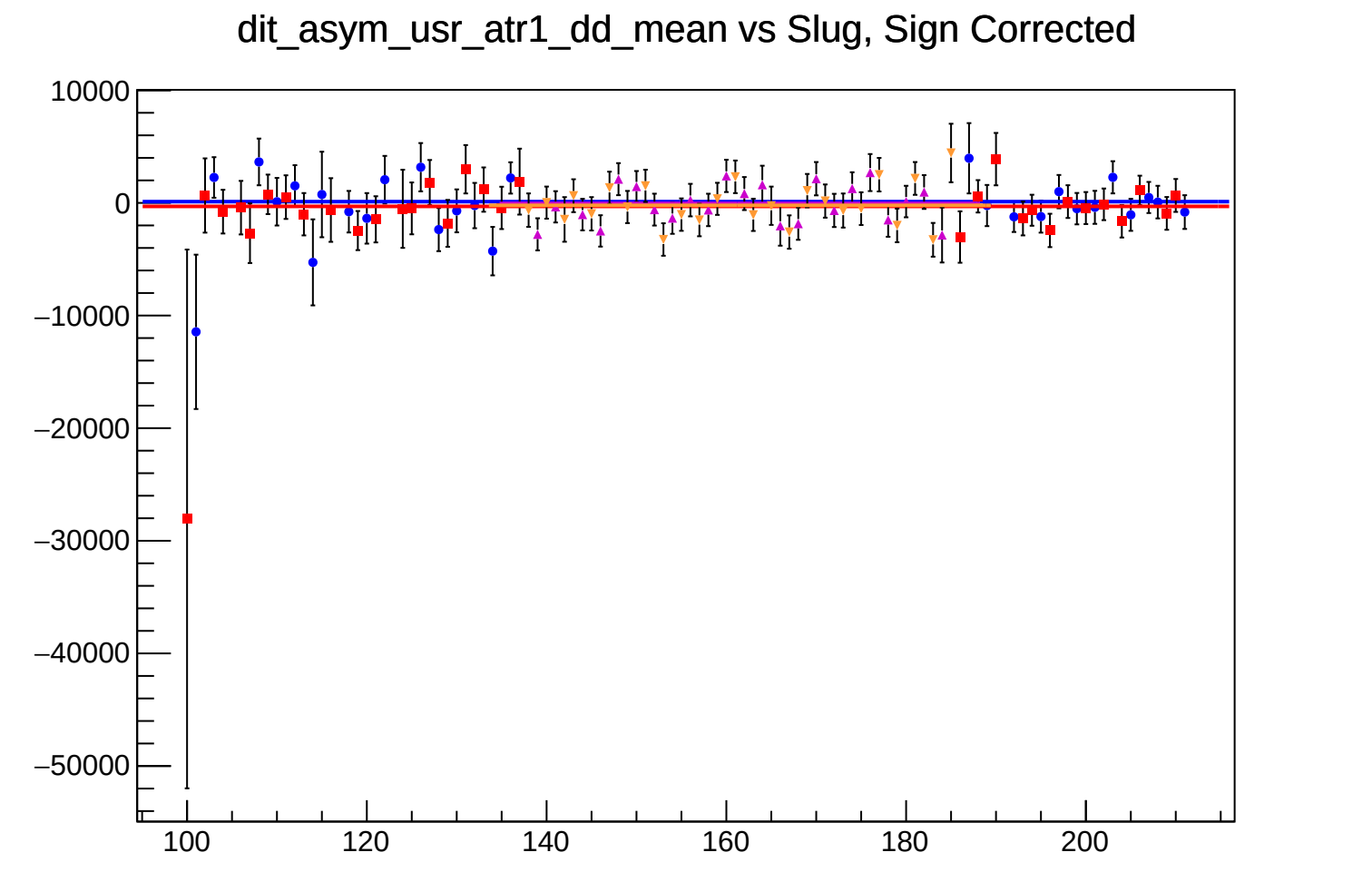
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 909.023+/-0.118 χ^2/NDF: 8094702.7/59

In: 712.470+/-0.090 χ^2/NDF:6265539.1/50

Out: 708.252+/-0.088 χ^2/NDF:8123819.2/56

All: 710.306+/-0.063 χ^2/NDF: 14390486.8/10



Right In: 112.836+/-333.415 χ^2/NDF: 29.2/27

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -309.045+/-321.963 χ^2/NDF: 20.5/31

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

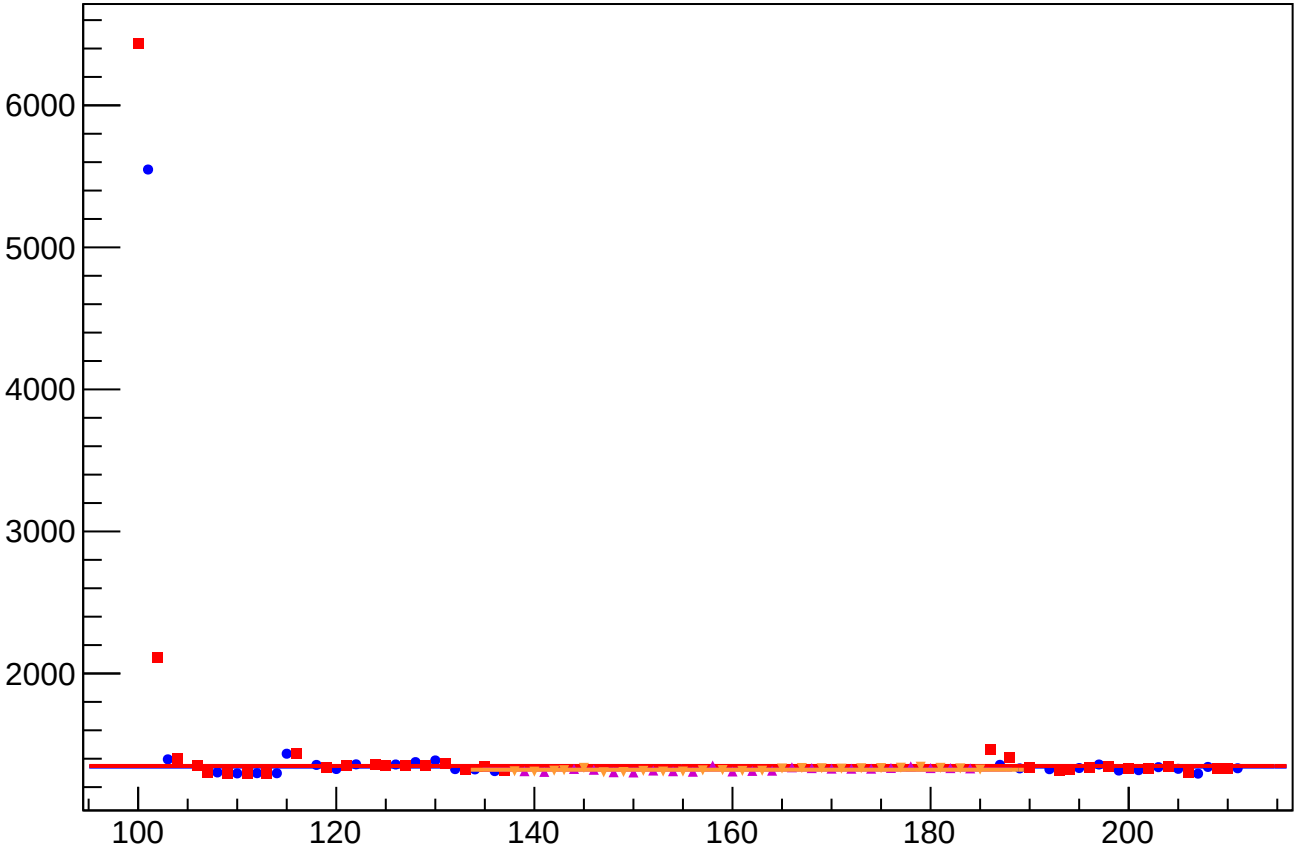
Right: -105.474+/-231.605 χ^2/NDF: 50.5/59

In: 25.103+/-226.631 χ^2/NDF:57.2/50

Out: -258.783+/-219.634 χ^2/NDF:51.8/56

All: -121.289+/-157.720 χ^2/NDF: 109.8/107

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1344.235+/-0.236 χ^2/NDF: 767264.3/27

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.983+/-0.228 χ^2/NDF: 220370.9/31

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

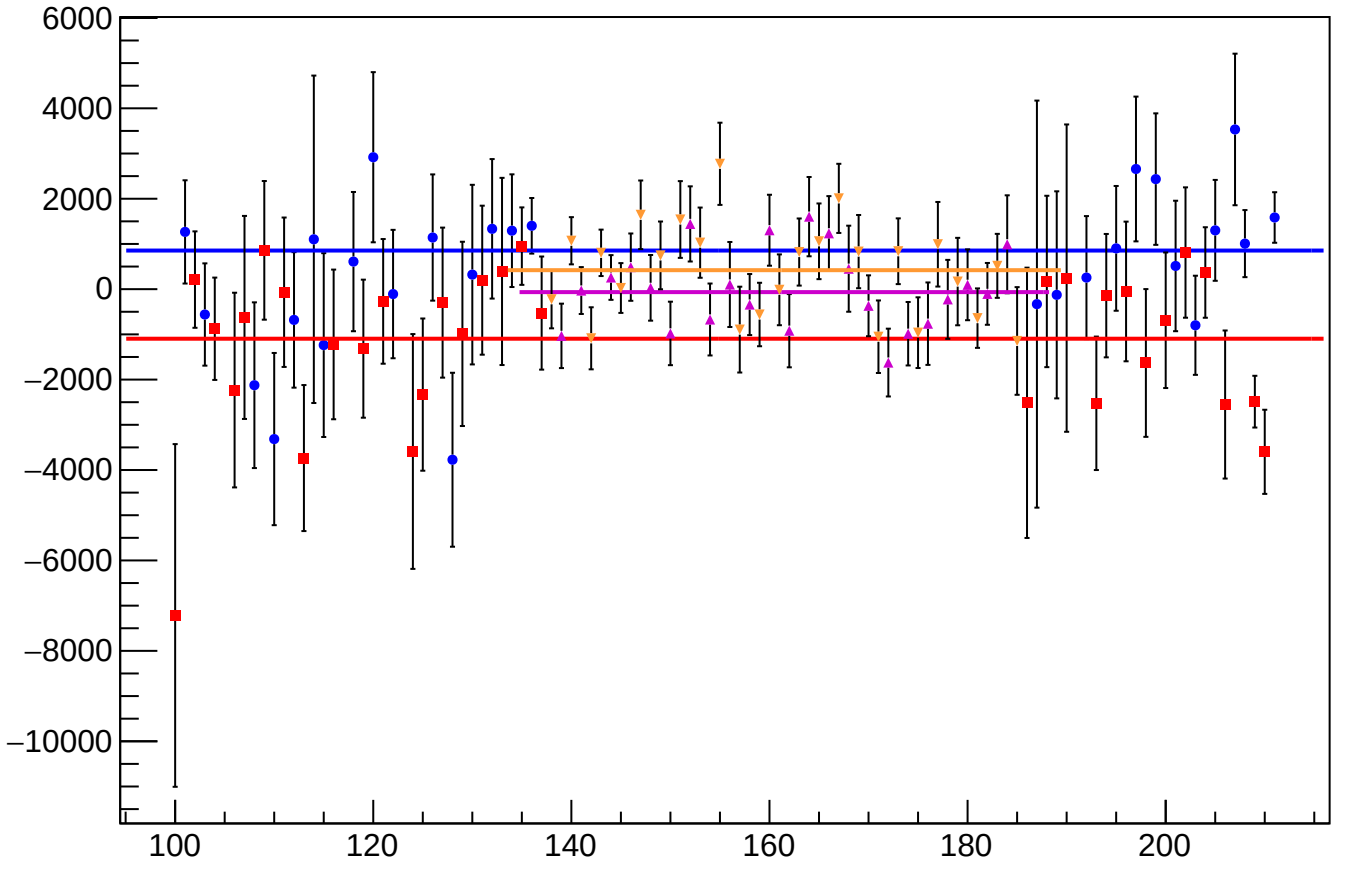
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1346.692+/-0.164 χ^2/NDF: 987845.1/59

In: 1332.992+/-0.160 χ^2/NDF:775347.2/50

Out: 1334.754+/-0.155 χ^2/NDF:230609.2/56

All: 1333.901+/-0.112 χ^2/NDF: 1006018.7/10



Right In: 854.113+/-232.562 χ^2/NDF: 29.5/27

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1096.056+/-241.677 χ^2/NDF: 39.0/31

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

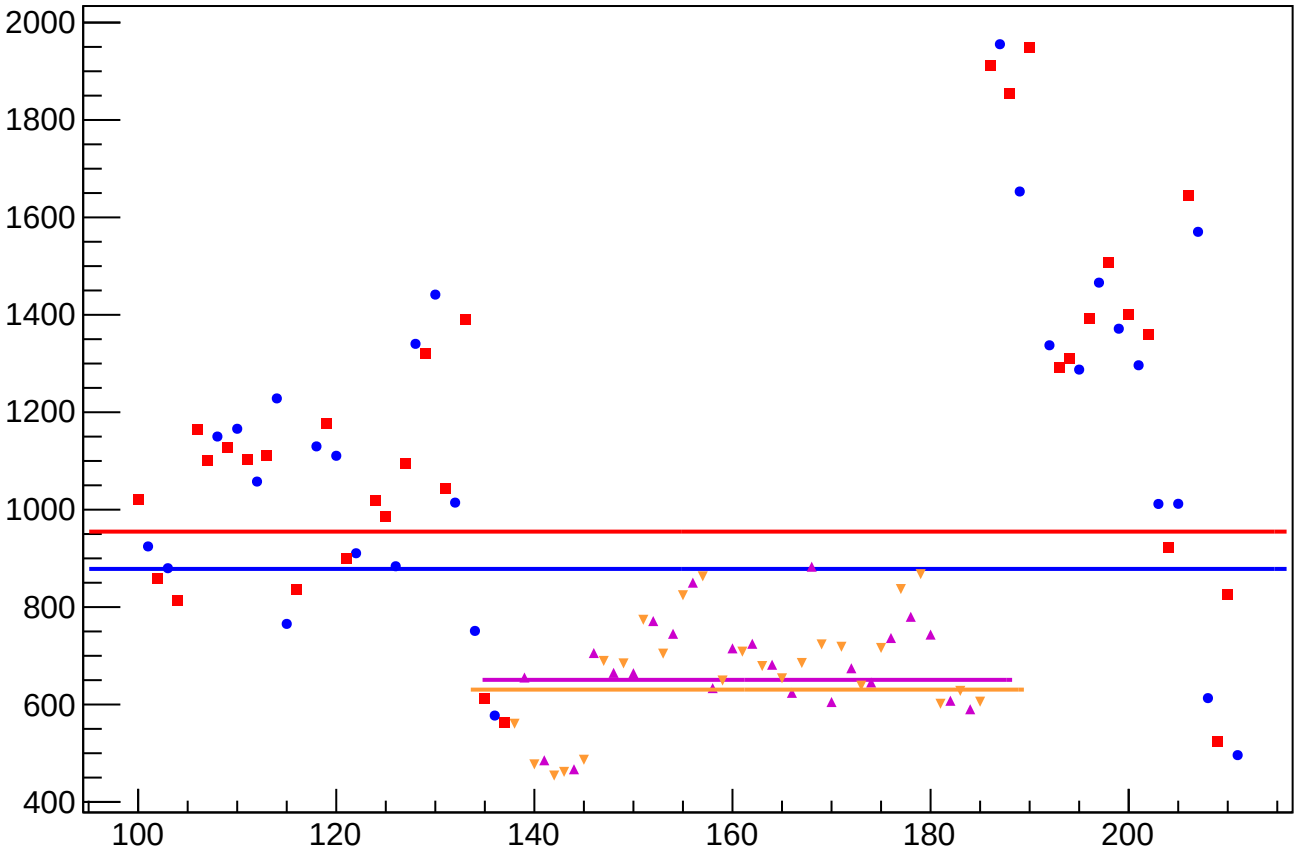
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -83.505+/-167.576 χ^2/NDF: 102.4/59

In: 215.458+/-128.530 χ^2/NDF:67.4/50

Out: 12.799+/-125.240 χ^2/NDF:109.3/56

All: 111.501+/-89.699 χ^2/NDF: 178.0/107



Right In: 878.370+/-0.164 χ^2/NDF: 4028208.6/27

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 954.950+/-0.171 χ^2/NDF: 4207533.9/31

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

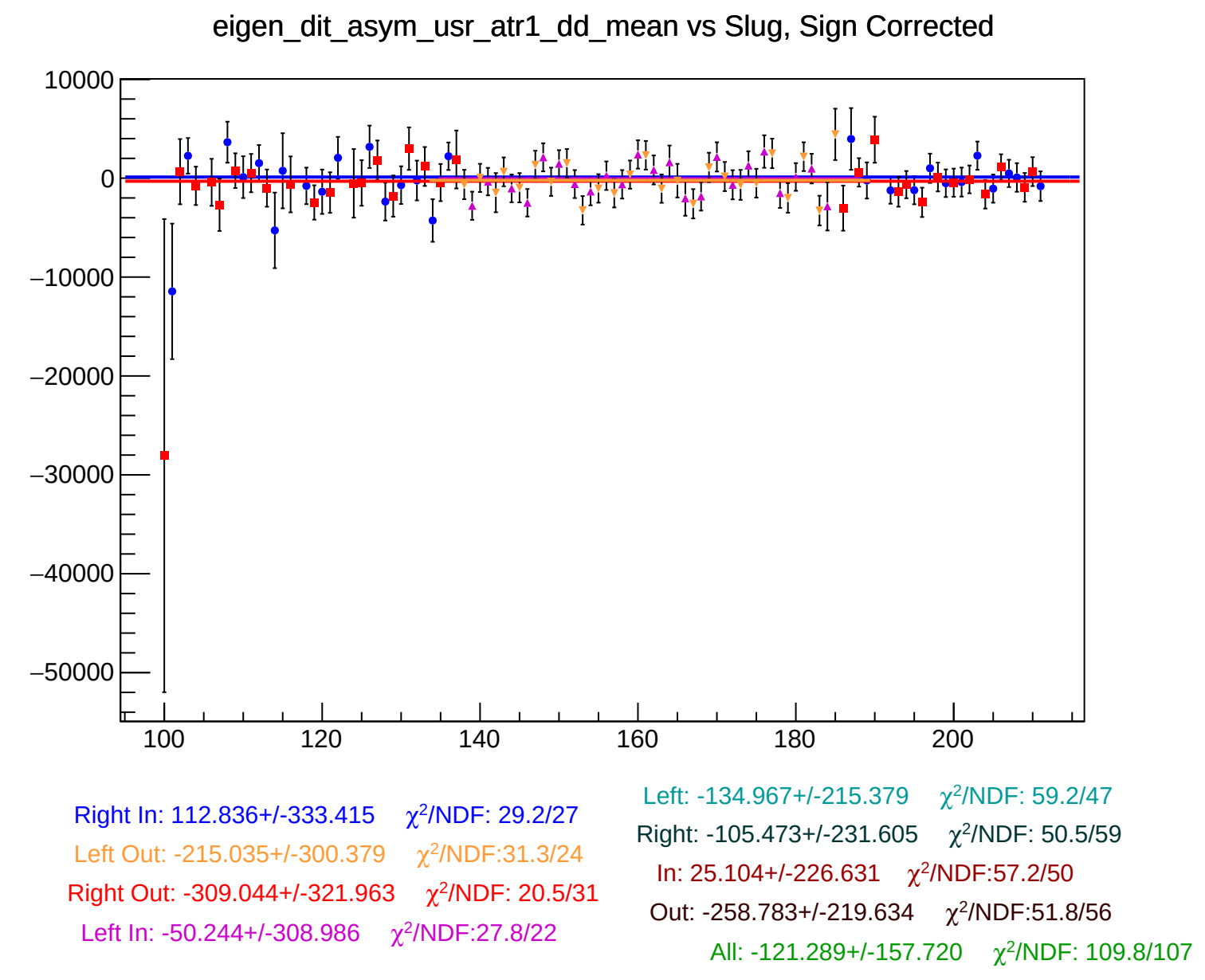
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

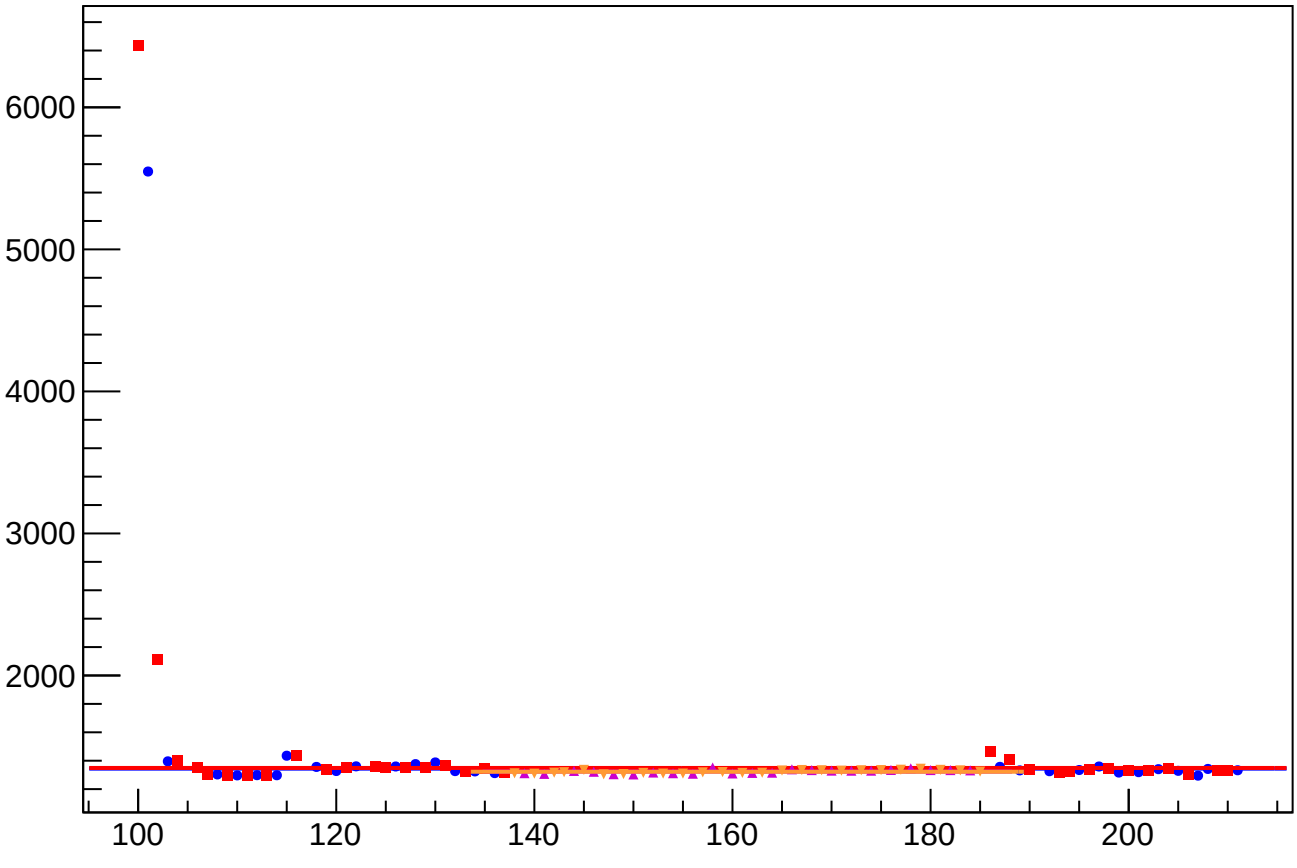
Right: 915.189+/-0.118 χ^2/NDF: 8340006.5/59

In: 720.197+/-0.091 χ^2/NDF:6282308.7/50

Out: 717.696+/-0.089 χ^2/NDF:8171238.1/56

All: 718.914+/-0.063 χ^2/NDF: 14453935.2/10


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 112.836+/-333.415 χ²/NDF: 29.2/27
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -309.044+/-321.963 χ²/NDF: 20.5/31
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: -105.473+/-231.605 χ²/NDF: 50.5/59
In: 25.104+/-226.631 χ²/NDF:57.2/50
Out: -258.783+/-219.634 χ²/NDF:51.8/56
All: -121.289+/-157.720 χ²/NDF: 109.8/107



Right In: 1344.235+/-0.236 χ^2/NDF: 767264.2/27

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.983+/-0.228 χ^2/NDF: 220370.8/31

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

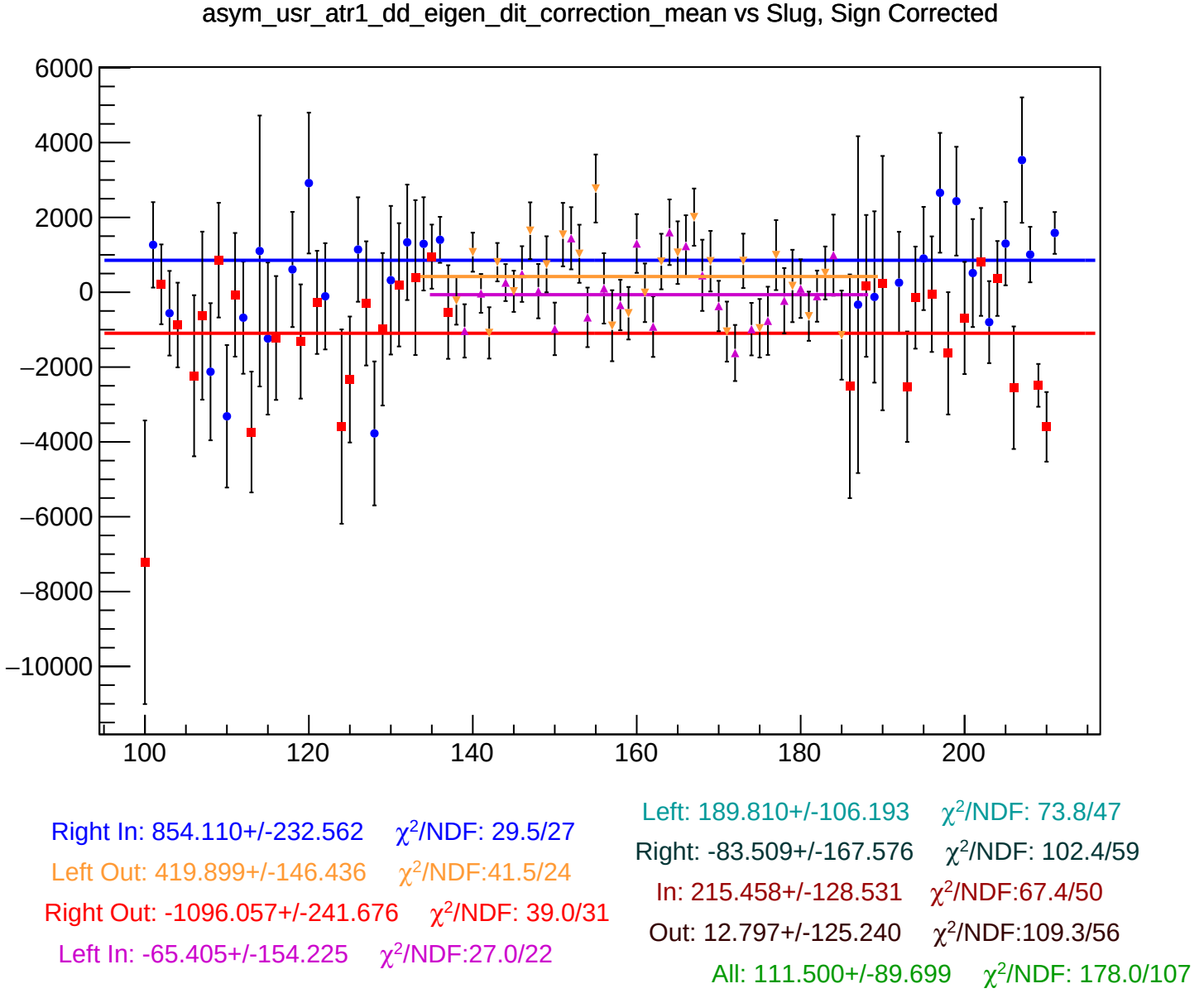
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1346.692+/-0.164 χ^2/NDF: 987845.0/59

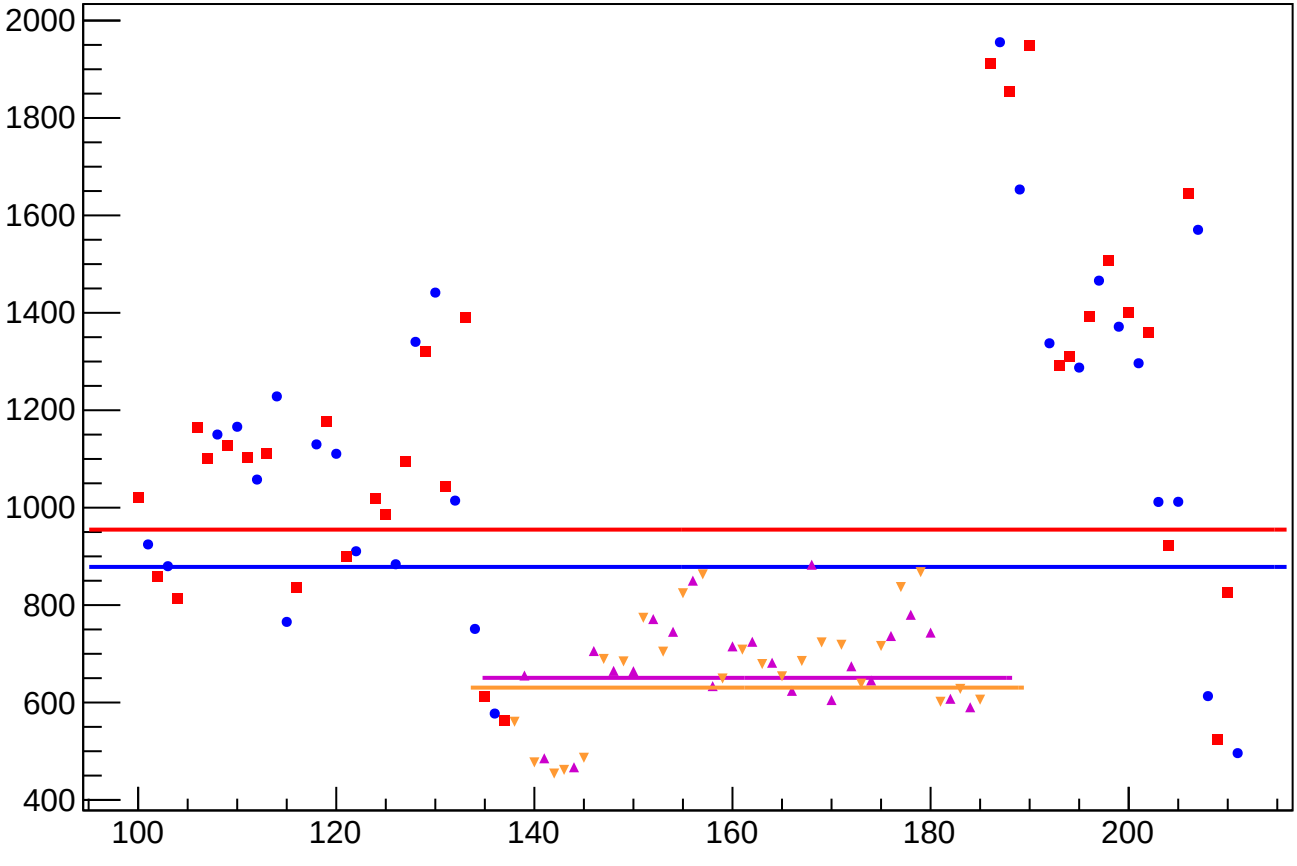
In: 1332.992+/-0.160 χ^2/NDF:775347.2/50

Out: 1334.754+/-0.155 χ^2/NDF:230609.1/56

All: 1333.901+/-0.112 χ^2/NDF: 1006018.5/10


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: 854.110+/-232.562 χ²/NDF: 29.5/27
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -1096.057+/-241.676 χ²/NDF: 39.0/31
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: -83.509+/-167.576 χ²/NDF: 102.4/59
In: 215.458+/-128.531 χ²/NDF:67.4/50
Out: 12.797+/-125.240 χ²/NDF:109.3/56
All: 111.500+/-89.699 χ²/NDF: 178.0/107

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 878.370+/-0.164 χ^2/NDF: 4028203.2/27

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 954.948+/-0.171 χ^2/NDF: 4207561.9/31

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

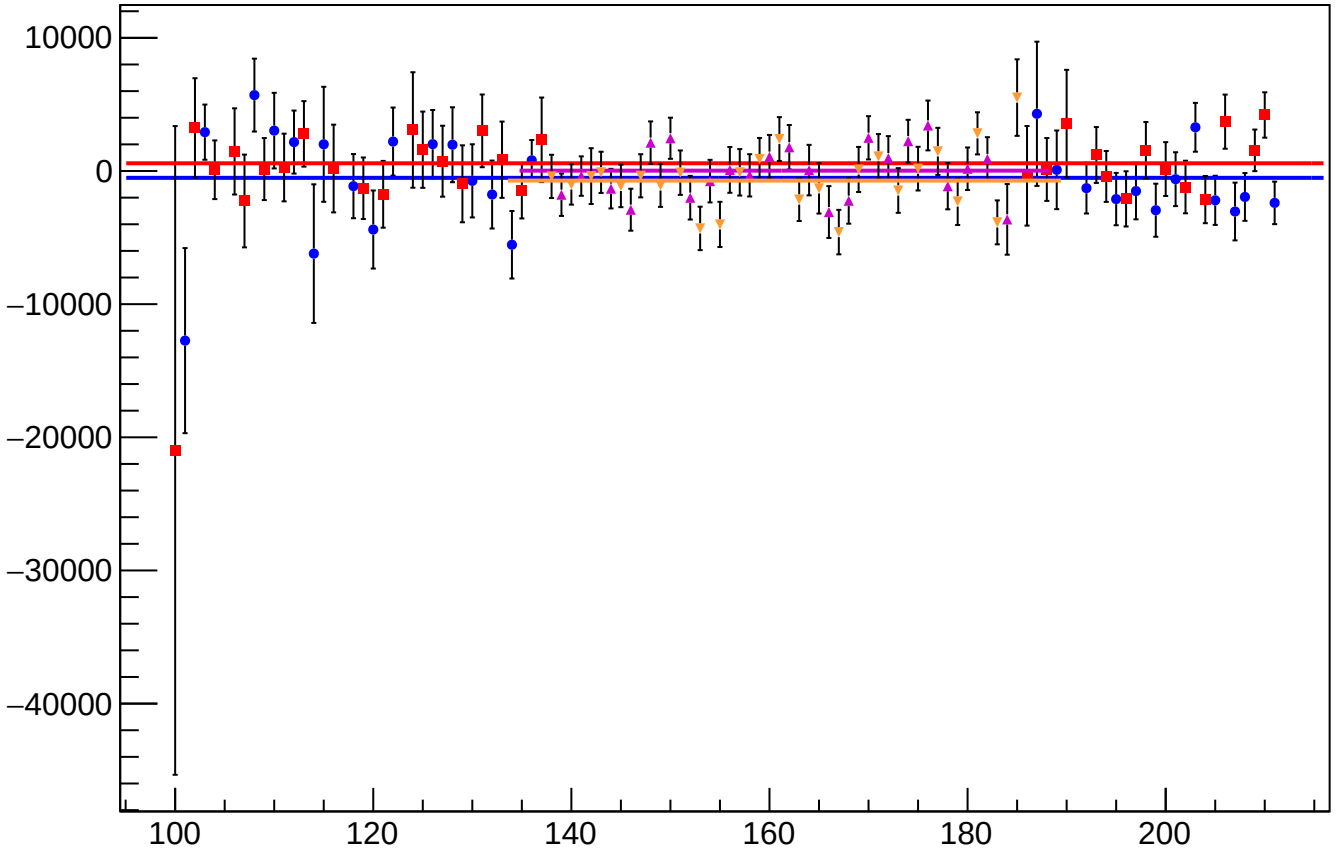
Right: 915.187+/-0.118 χ^2/NDF: 8340024.6/59

In: 720.198+/-0.091 χ^2/NDF:6282293.5/50

Out: 717.696+/-0.089 χ^2/NDF:8171244.9/56

All: 718.915+/-0.063 χ^2/NDF: 14453927.0/10

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -512.565+/-435.188 χ^2/NDF: 36.9/27

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 580.286+/-425.989 χ^2/NDF: 20.7/31

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

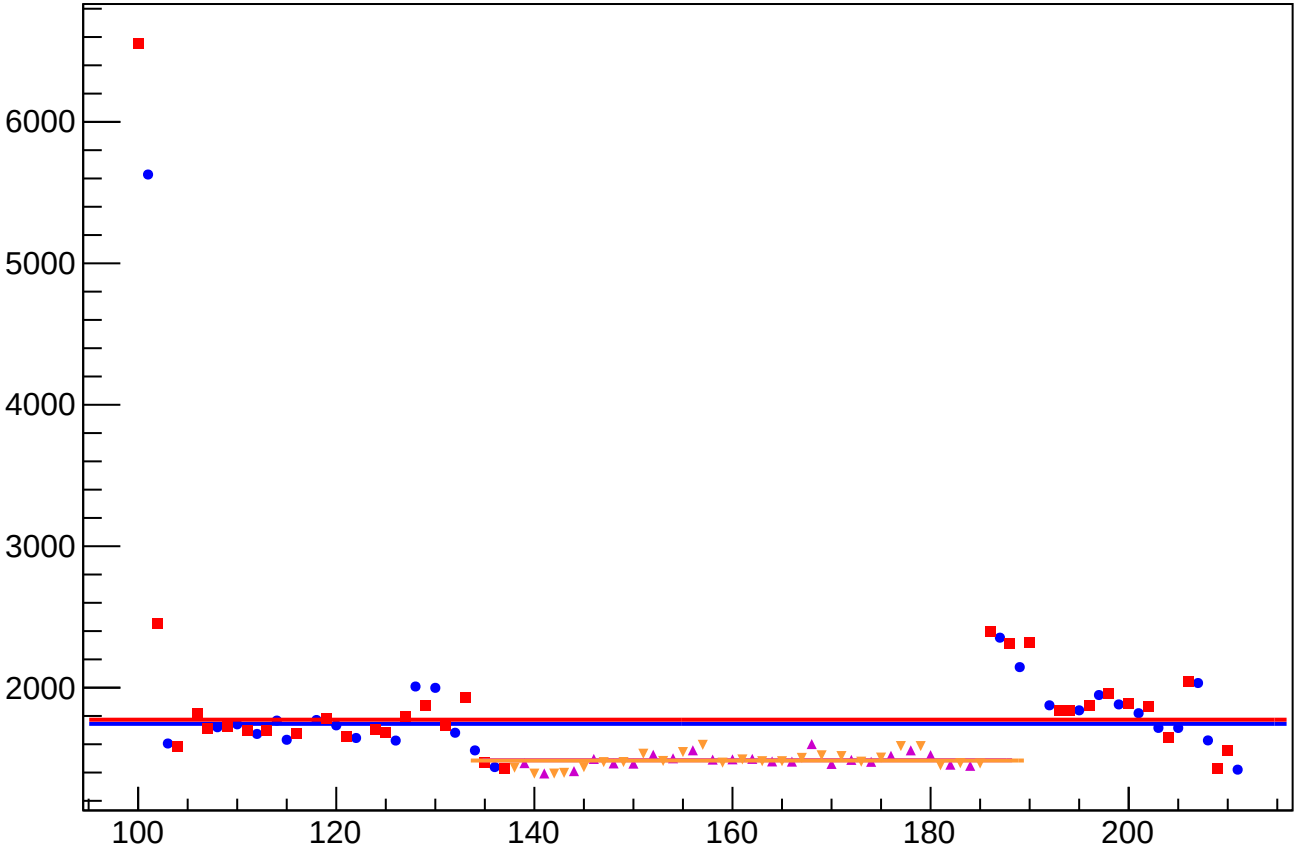
Right: 45.534+/-304.420 χ^2/NDF: 60.8/59

In: -182.705+/-271.509 χ^2/NDF:65.8/50

Out: -217.372+/-264.575 χ^2/NDF:64.2/56

All: -200.487+/-189.487 χ^2/NDF: 130.0/107

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1744.272+/-0.308 χ^2/NDF: 1005930.7/27

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1773.636+/-0.301 χ^2/NDF: 654931.0/31

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

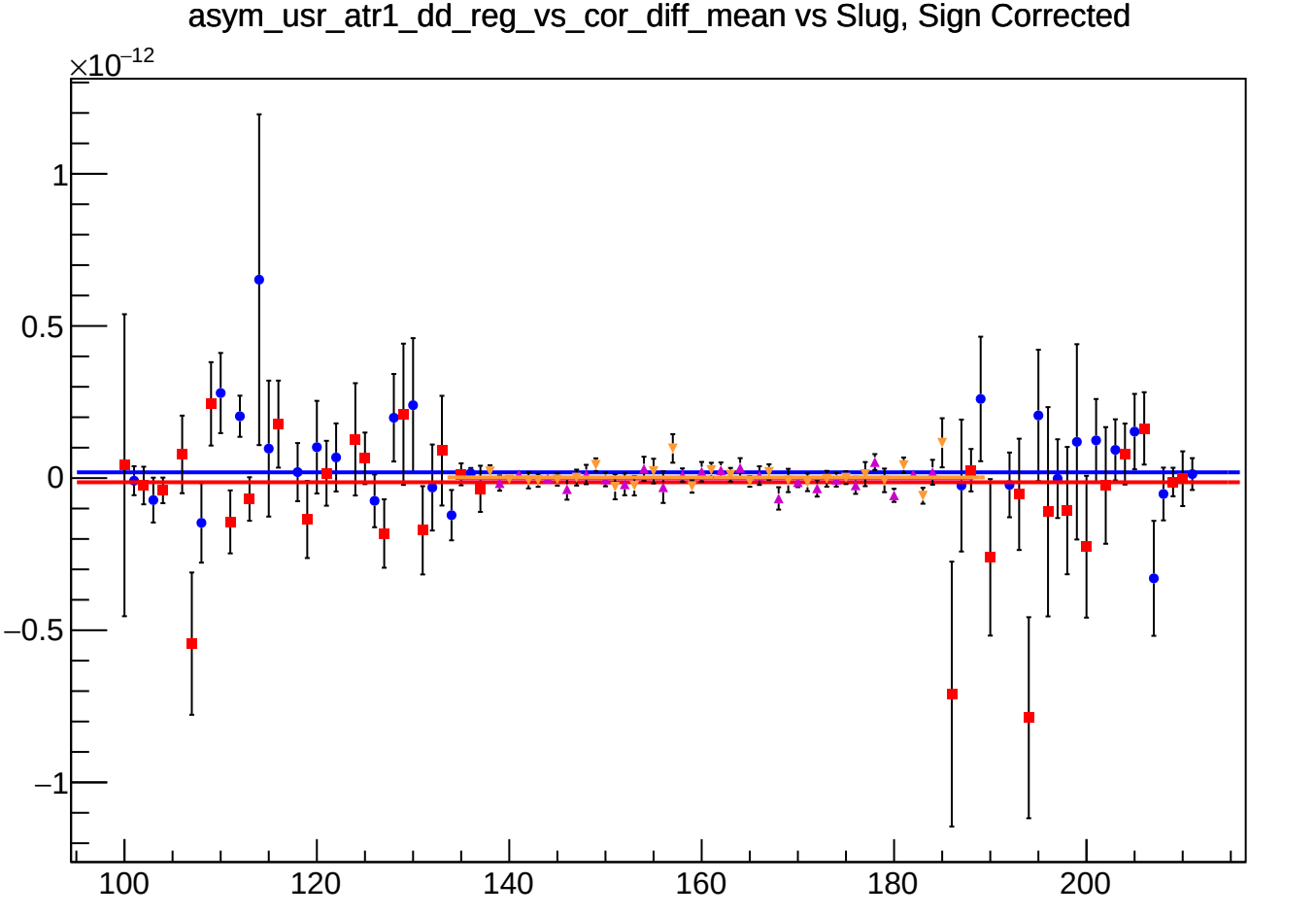
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1759.268+/-0.215 χ^2/NDF: 1665511.6/59

In: 1587.209+/-0.192 χ^2/NDF:1467282.2/50

Out: 1596.315+/-0.187 χ^2/NDF:1269996.8/56

All: 1591.880+/-0.134 χ^2/NDF: 2738433.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/31

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

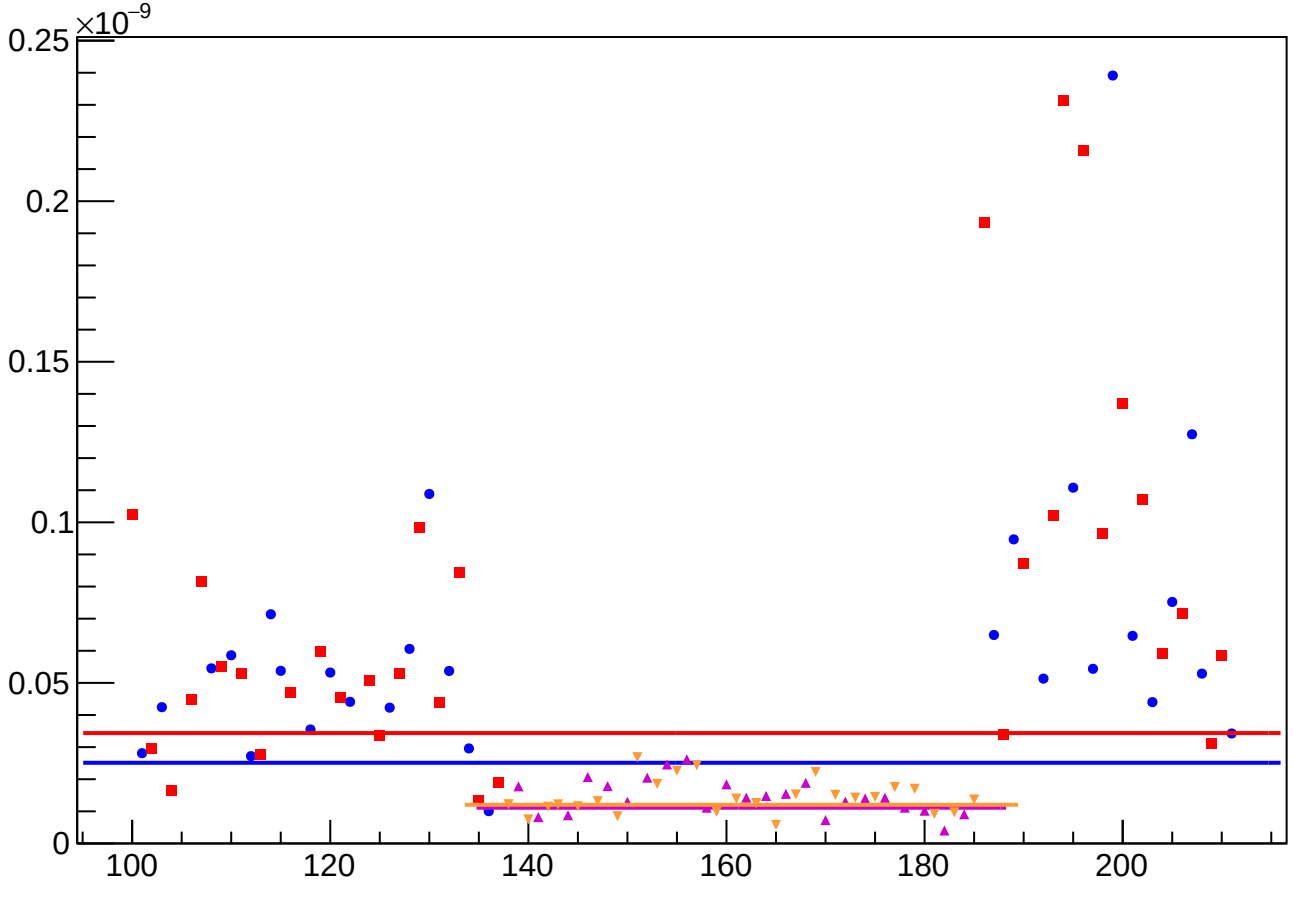
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.8/59

In: 0.000+/-0.000 χ^2/NDF:59.2/50

Out: 0.000+/-0.000 χ^2/NDF:61.2/56

All: 0.000+/-0.000 χ^2/NDF: 120.5/107



Right In: 0.000+/-0.000 χ^2/NDF: 5735809.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5127985.9/31

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

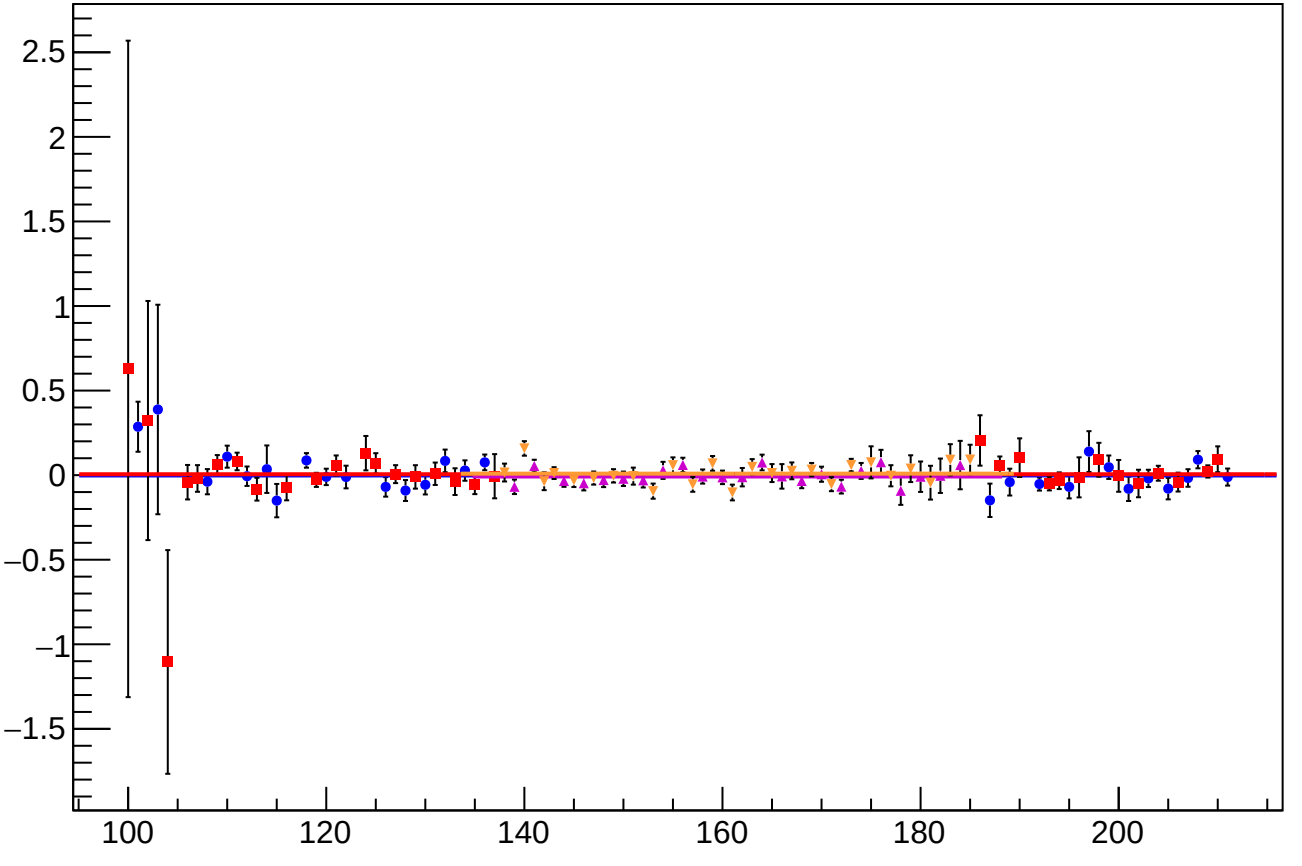
Right: 0.000+/-0.000 χ^2/NDF: 11258584.0/59

In: 0.000+/-0.000 χ^2/NDF:9949790.0/50

Out: 0.000+/-0.000 χ^2/NDF:10136519.5/56

All: 0.000+/-0.000 χ^2/NDF: 20148886.3/107

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.005+/-0.011 χ^2/NDF: 24.5/31

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

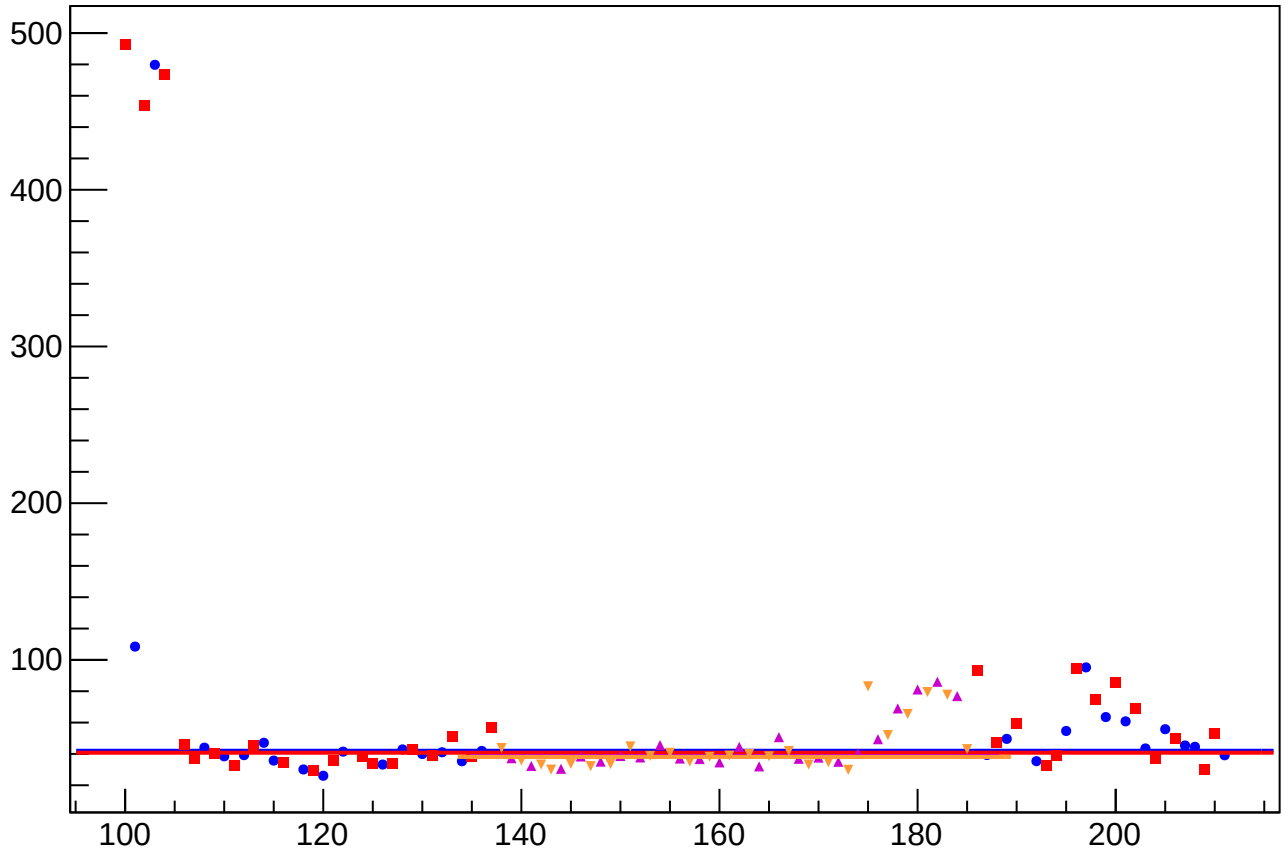
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.008 χ^2/NDF: 61.0/59

In: -0.005+/-0.008 χ^2/NDF:55.4/50

Out: 0.007+/-0.007 χ^2/NDF:63.1/56

All: 0.001+/-0.005 χ^2/NDF: 120.0/107



Right In: 42.011+/-0.008 χ^2/NDF: 2850120.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.760+/-0.008 χ^2/NDF: 4082296.1/31

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

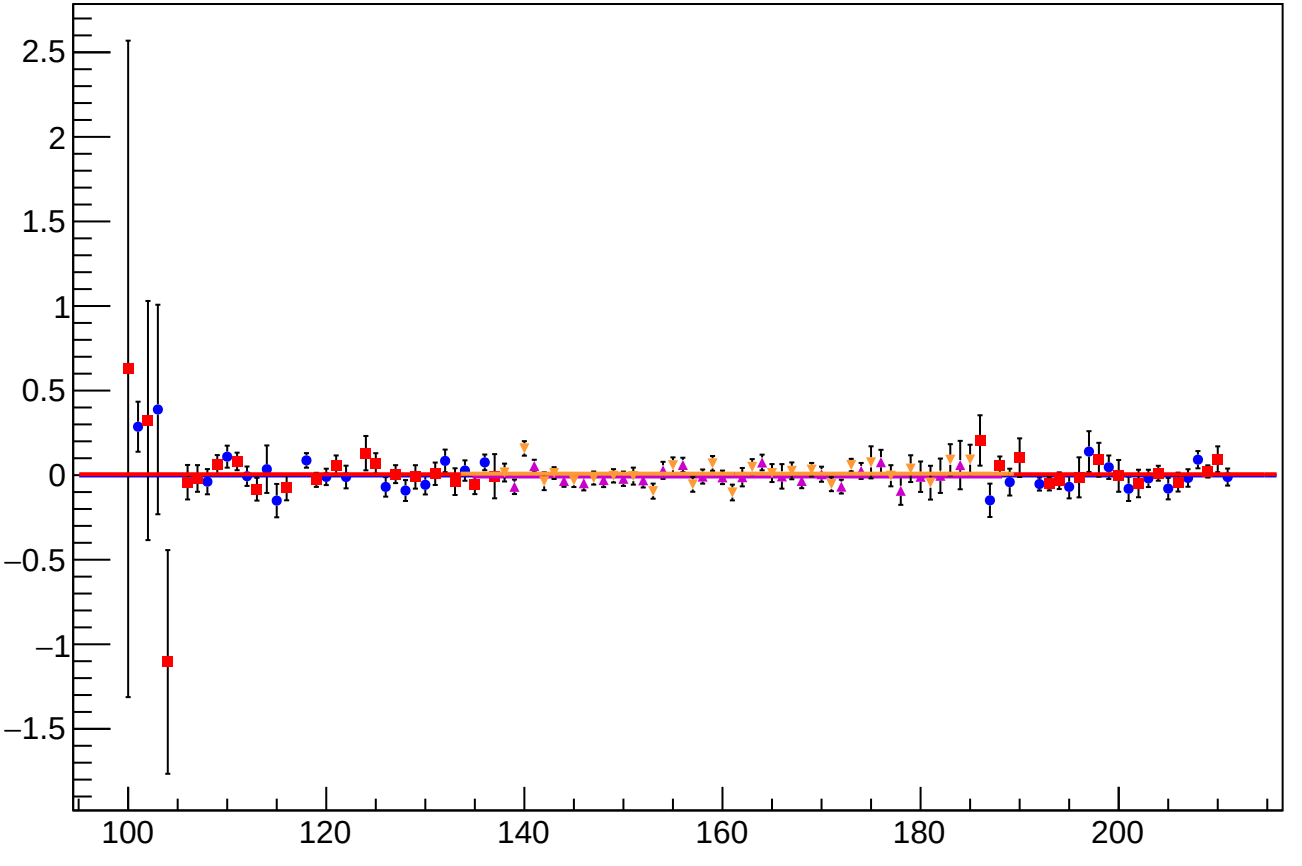
Right: 41.373+/-0.006 χ^2/NDF: 6944122.0/59

In: 40.046+/-0.005 χ^2/NDF:4675189.4/50

Out: 39.174+/-0.005 χ^2/NDF:6114492.5/56

All: 39.597+/-0.004 χ^2/NDF: 10803374.1/107

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.005+/-0.011 χ^2/NDF: 24.5/31

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

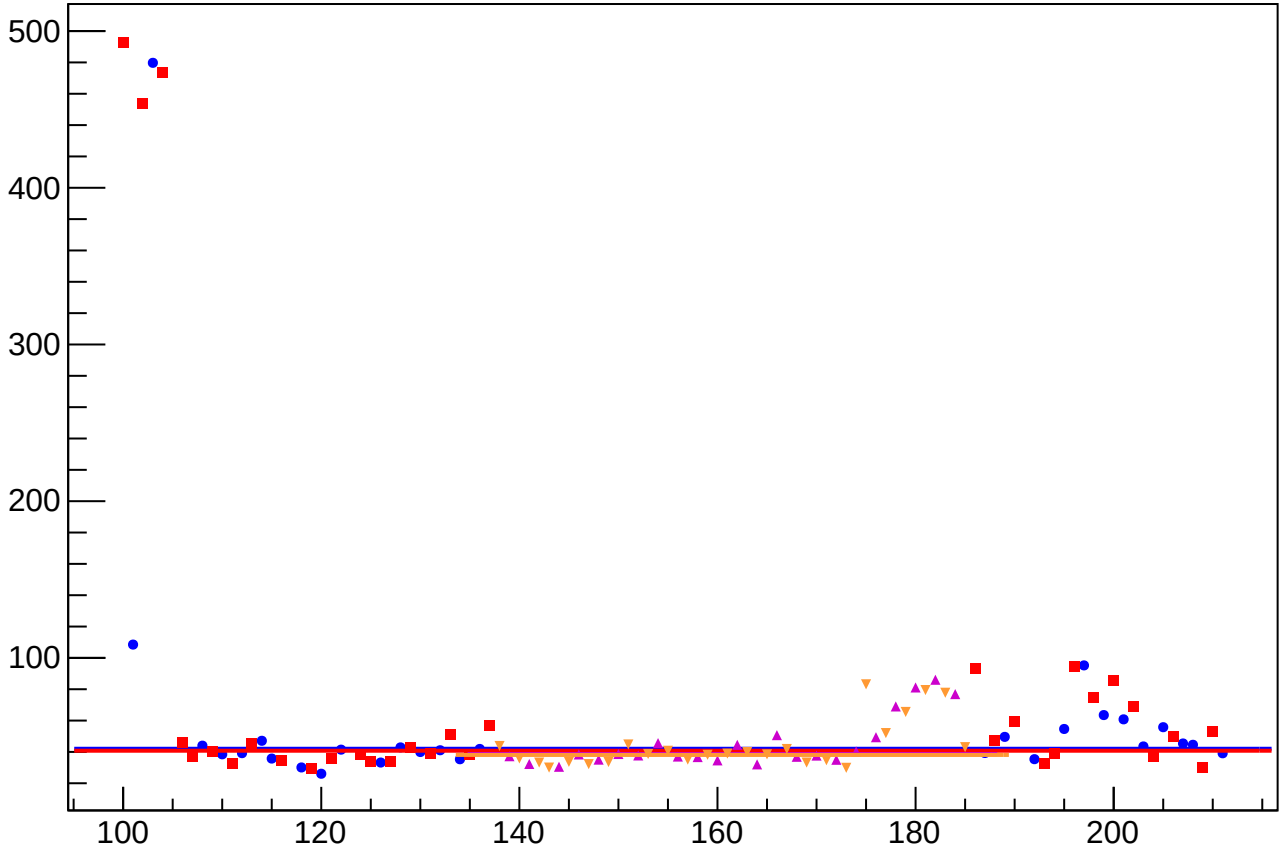
Right: 0.002+/-0.008 χ^2/NDF: 61.0/59

In: -0.005+/-0.008 χ^2/NDF:55.4/50

Out: 0.007+/-0.007 χ^2/NDF:63.1/56

All: 0.001+/-0.005 χ^2/NDF: 120.0/107

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.011+/-0.008 χ^2/NDF: 2850120.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.760+/-0.008 χ^2/NDF: 4082296.1/31

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

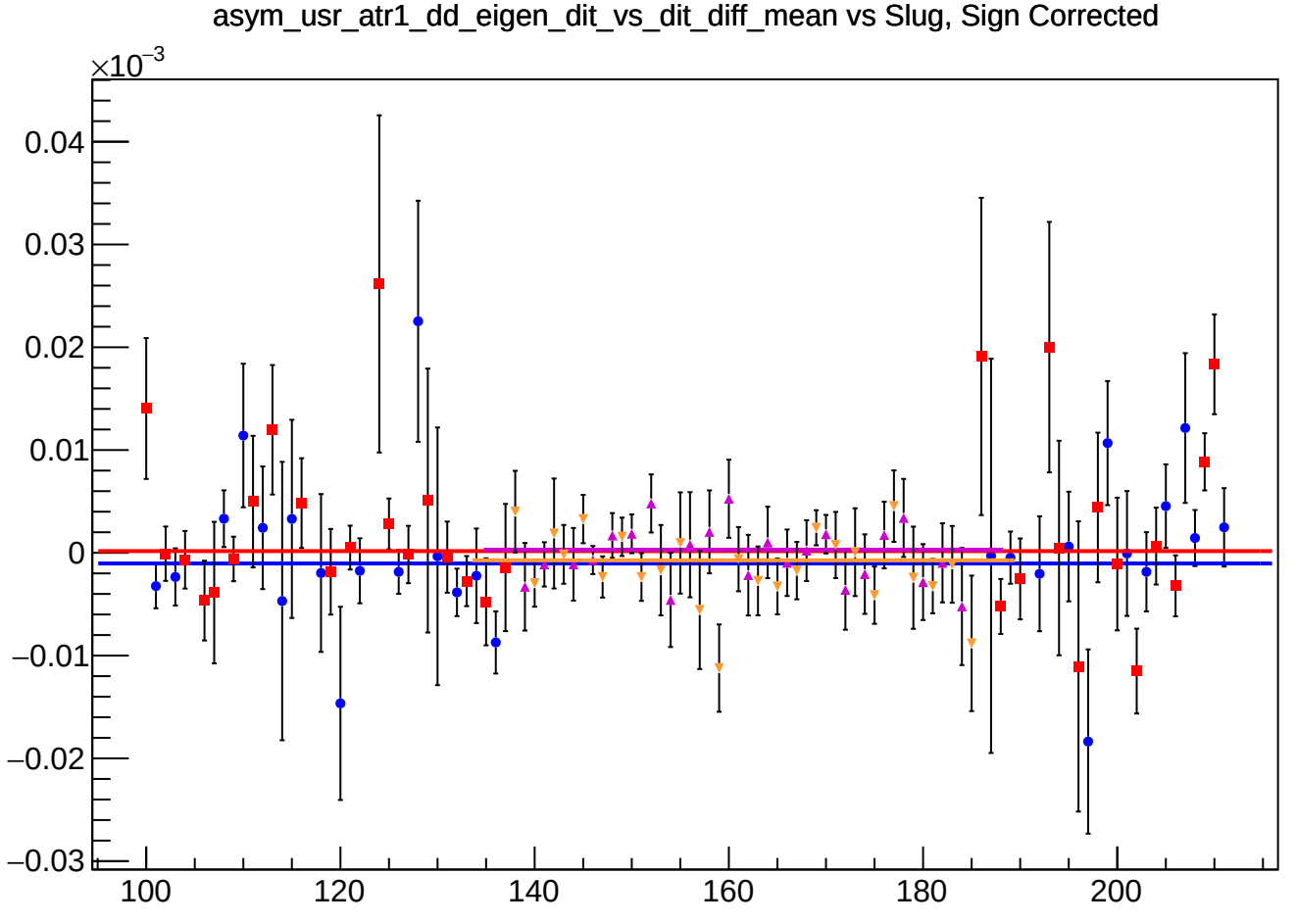
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.373+/-0.006 χ^2/NDF: 6944122.0/59

In: 40.046+/-0.005 χ^2/NDF:4675189.4/50

Out: 39.174+/-0.005 χ^2/NDF:6114492.5/56

All: 39.597+/-0.004 χ^2/NDF: 10803374.1/107



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 61.2/31

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

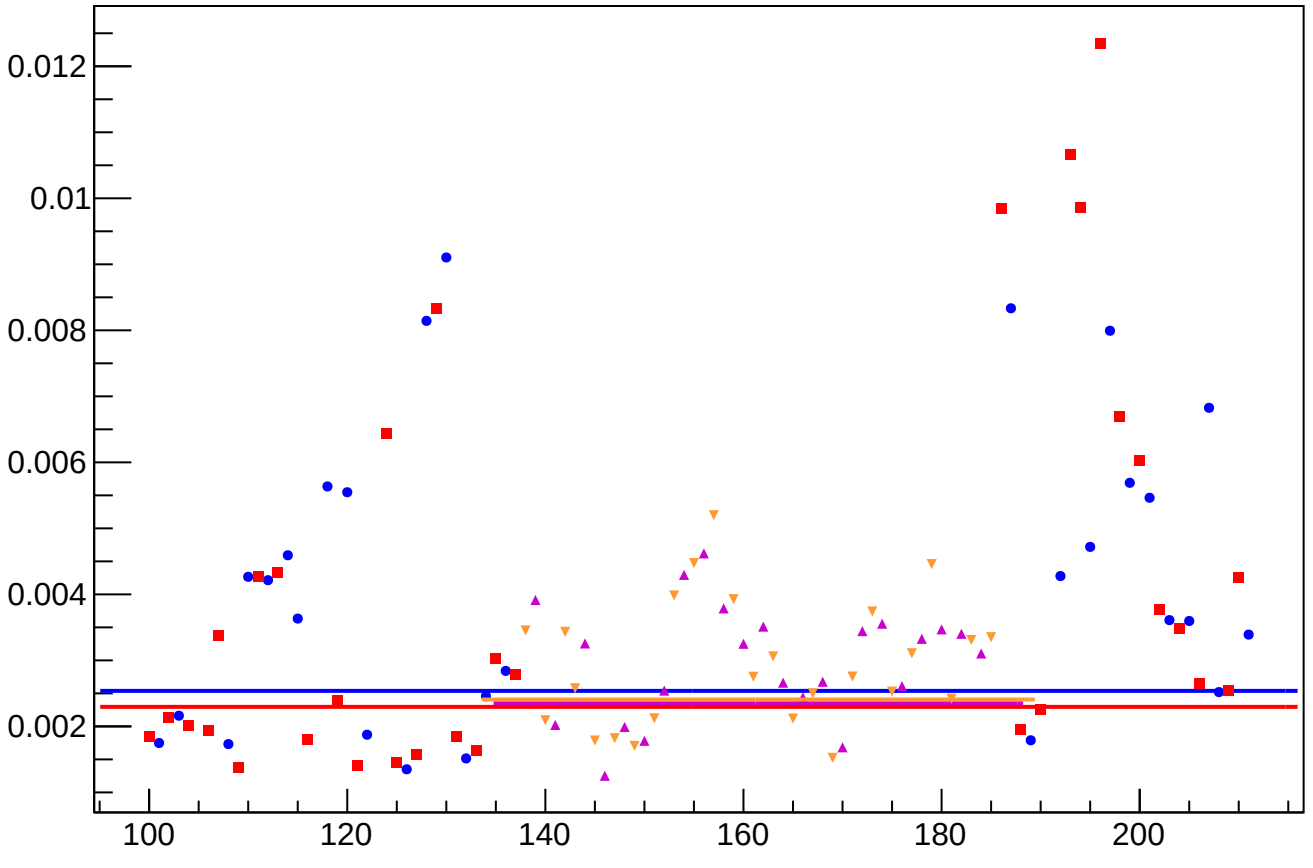
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 99.1/59

In: -0.000+/-0.000 χ^2/NDF:52.3/50

Out: -0.000+/-0.000 χ^2/NDF:88.7/56

All: -0.000+/-0.000 χ^2/NDF: 141.1/107



Right In: 0.003+/-0.000 χ^2/NDF: 7202365.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8172756.0/31

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

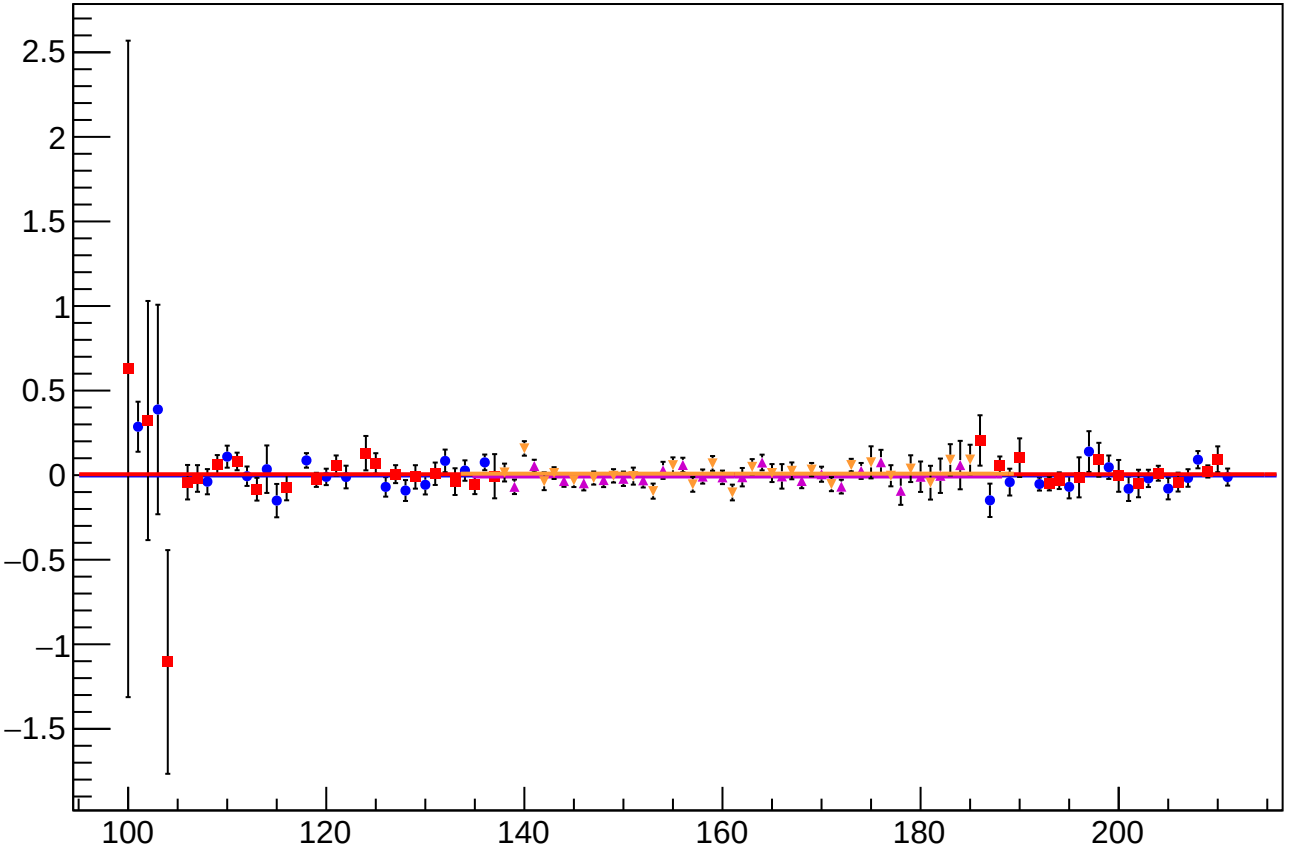
Right: 0.002+/-0.000 χ^2/NDF: 15496537.4/59

In: 0.002+/-0.000 χ^2/NDF:11720246.5/50

Out: 0.002+/-0.000 χ^2/NDF:11887570.5/56

All: 0.002+/-0.000 χ^2/NDF: 23630174.7/107

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.005+/-0.011 χ^2/NDF: 24.5/31

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

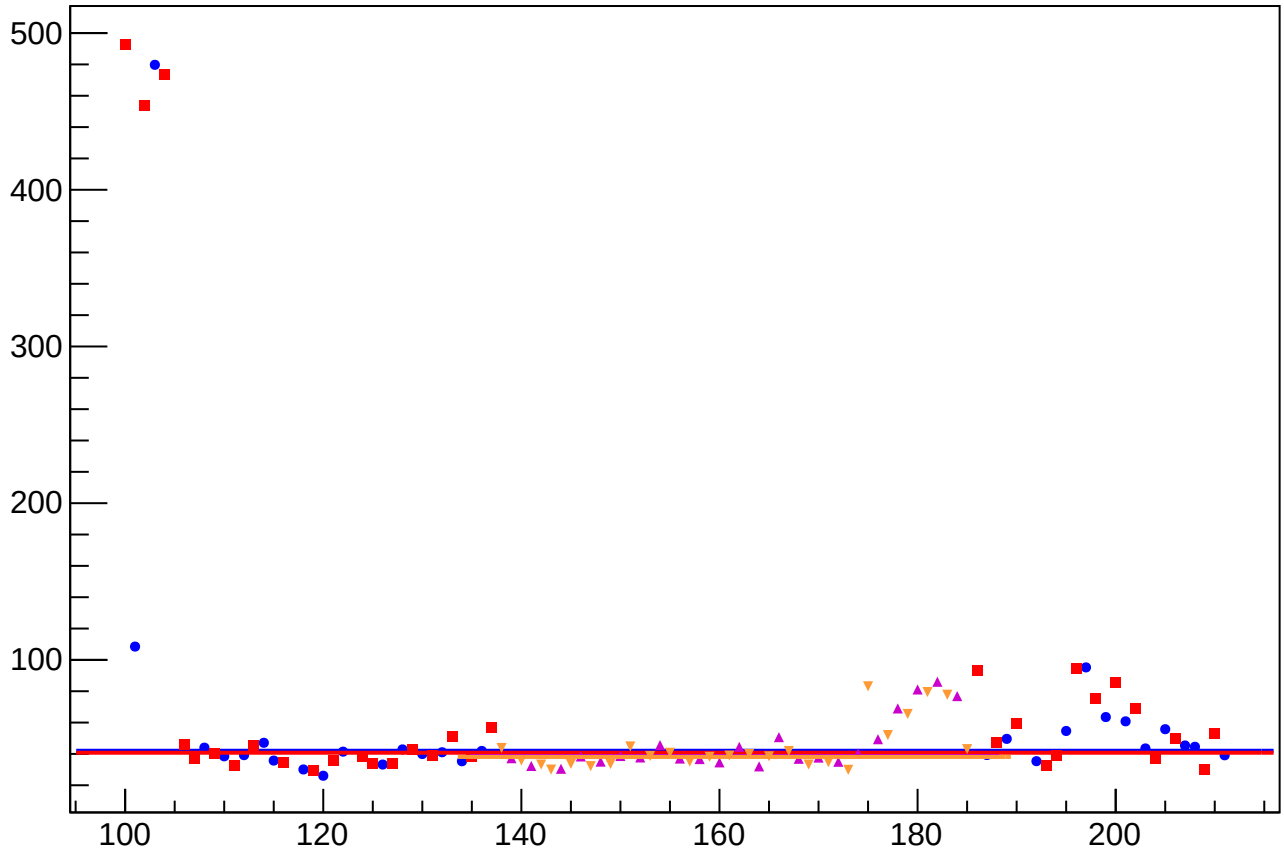
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.008 χ^2/NDF: 61.0/59

In: -0.005+/-0.008 χ^2/NDF:55.4/50

Out: 0.007+/-0.007 χ^2/NDF:63.1/56

All: 0.001+/-0.005 χ^2/NDF: 120.0/107



Right In: 42.011+/-0.008 χ^2/NDF: 2850313.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.757+/-0.008 χ^2/NDF: 4082797.9/31

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

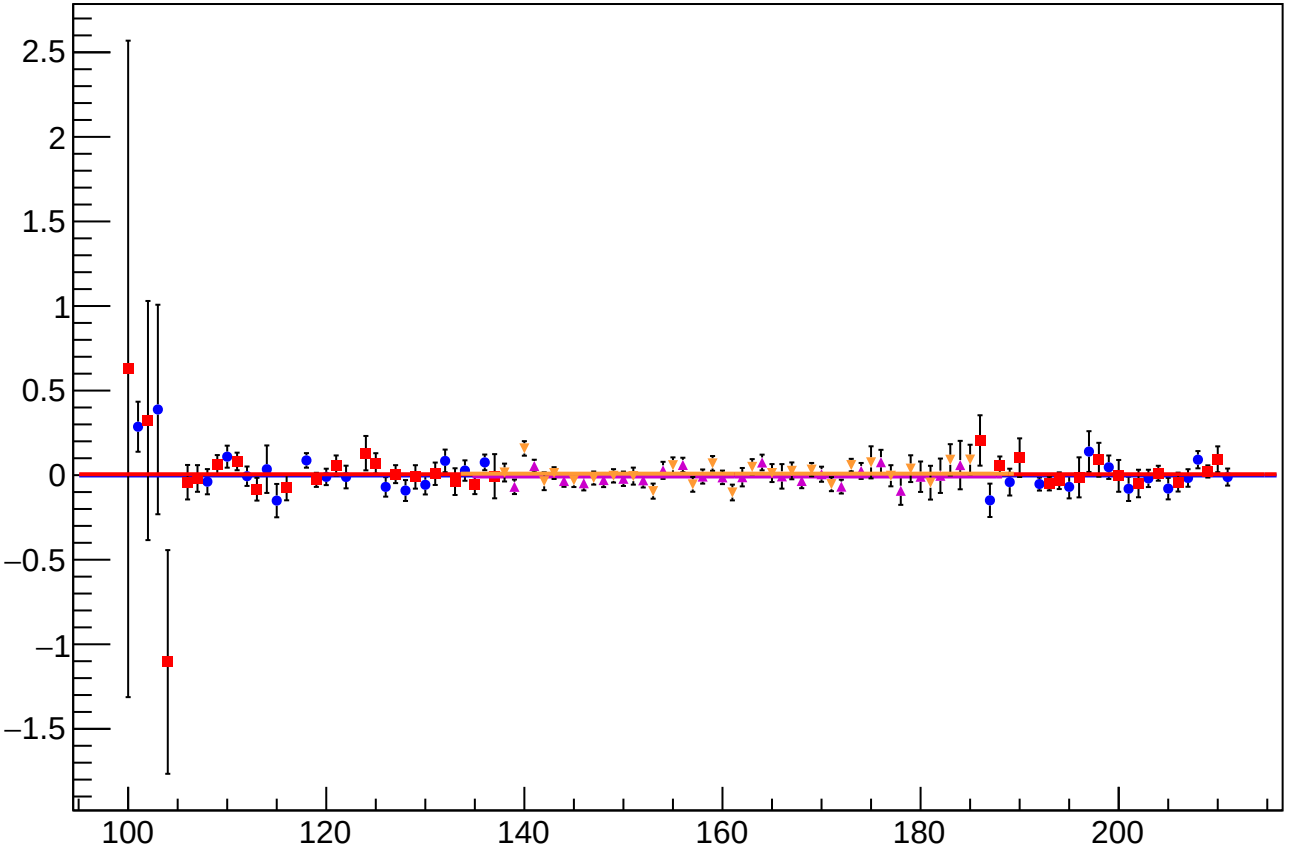
Right: 41.371+/-0.006 χ^2/NDF: 6944860.8/59

In: 40.046+/-0.005 χ^2/NDF:4675404.0/50

Out: 39.173+/-0.005 χ^2/NDF:6114861.2/56

All: 39.597+/-0.004 χ^2/NDF: 10803982.8/107

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.012 χ^2/NDF: 36.3/27

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.005+/-0.011 χ^2/NDF: 24.5/31

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

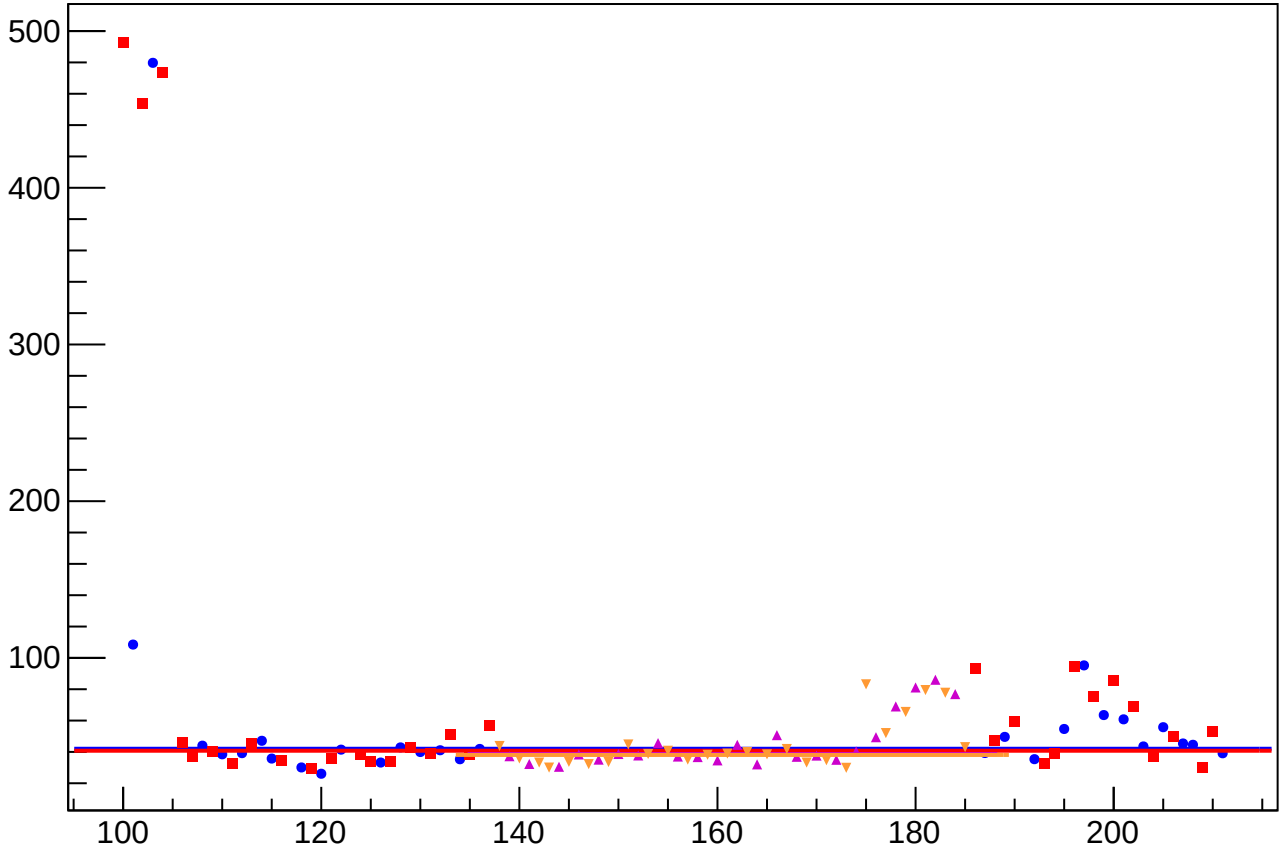
Right: 0.002+/-0.008 χ^2/NDF: 61.0/59

In: -0.005+/-0.008 χ^2/NDF:55.4/50

Out: 0.007+/-0.007 χ^2/NDF:63.1/56

All: 0.001+/-0.005 χ^2/NDF: 120.0/107

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.011+/-0.008 χ^2/NDF: 2850313.7/27

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.757+/-0.008 χ^2/NDF: 4082797.9/31

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

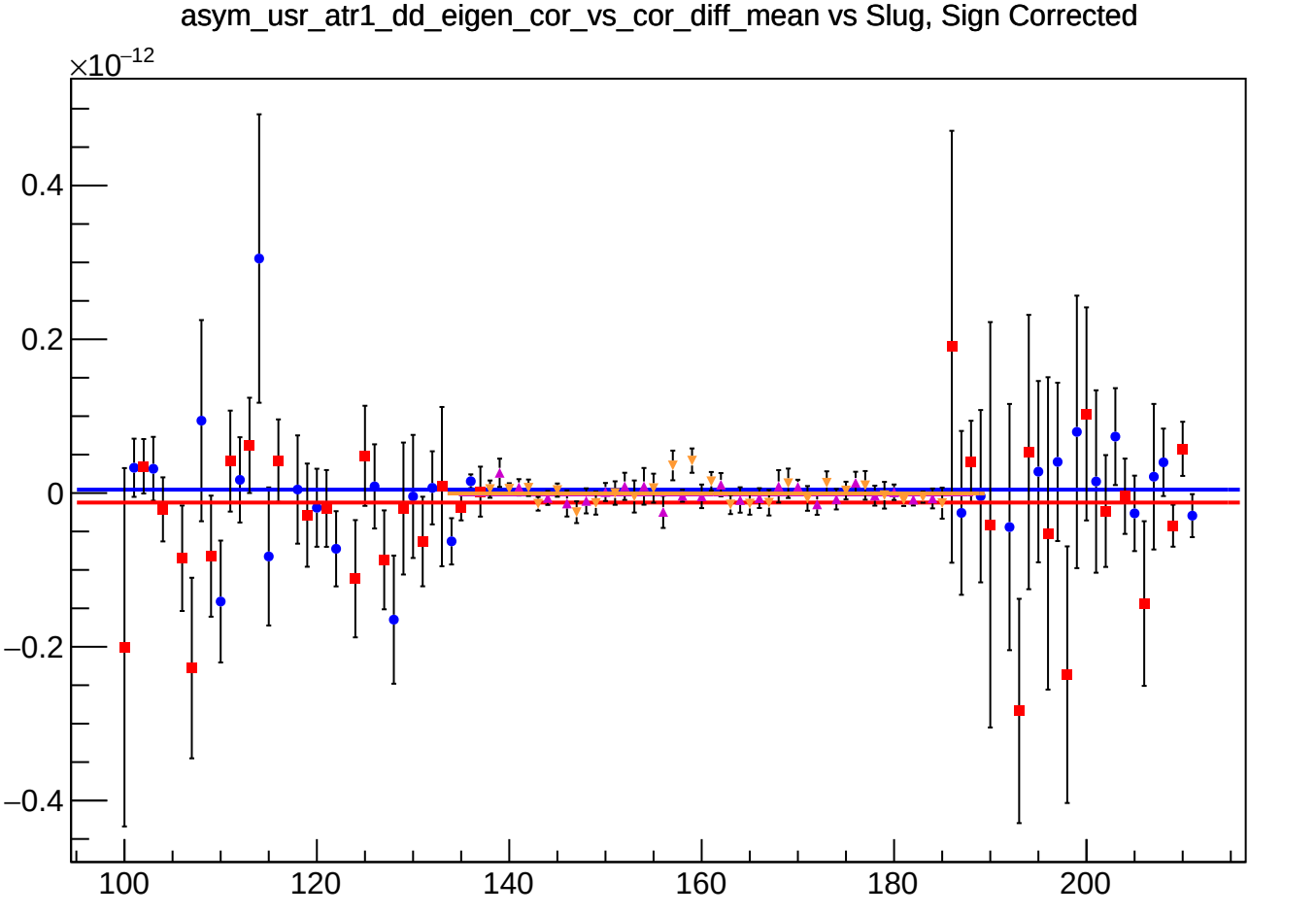
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

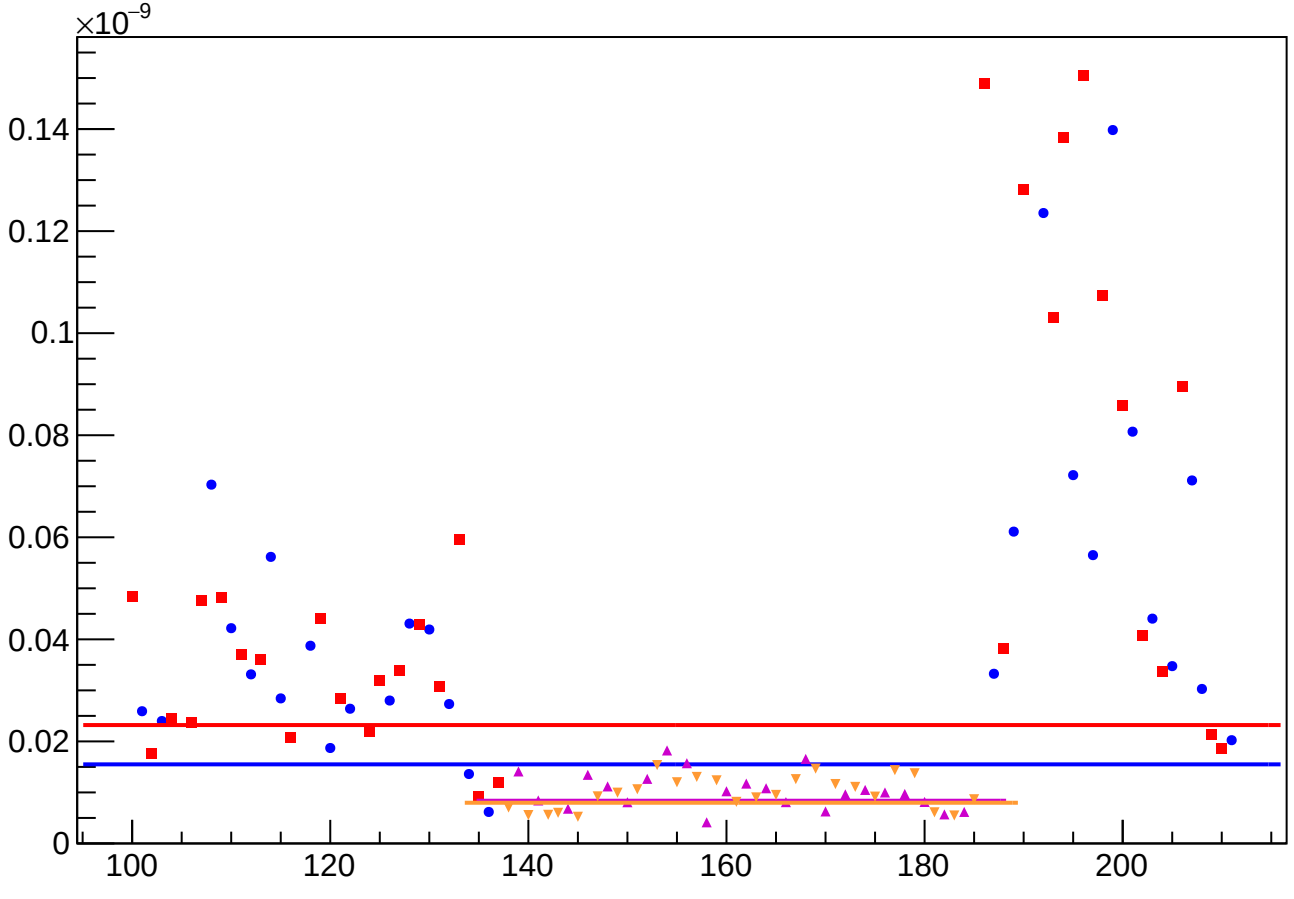
Right: 41.371+/-0.006 χ^2/NDF: 6944860.8/59

In: 40.046+/-0.005 χ^2/NDF:4675404.0/50

Out: 39.173+/-0.005 χ^2/NDF:6114861.2/56

All: 39.597+/-0.004 χ^2/NDF: 10803982.8/107


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: 25.9/27
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.4/31
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: 58.5/59
In: -0.000+/-0.000 χ²/NDF:38.2/50
Out: -0.000+/-0.000 χ²/NDF:58.9/56
All: -0.000+/-0.000 χ²/NDF: 97.1/107



Right In: 0.000+/-0.000 χ^2/NDF: 9652883.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7880047.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

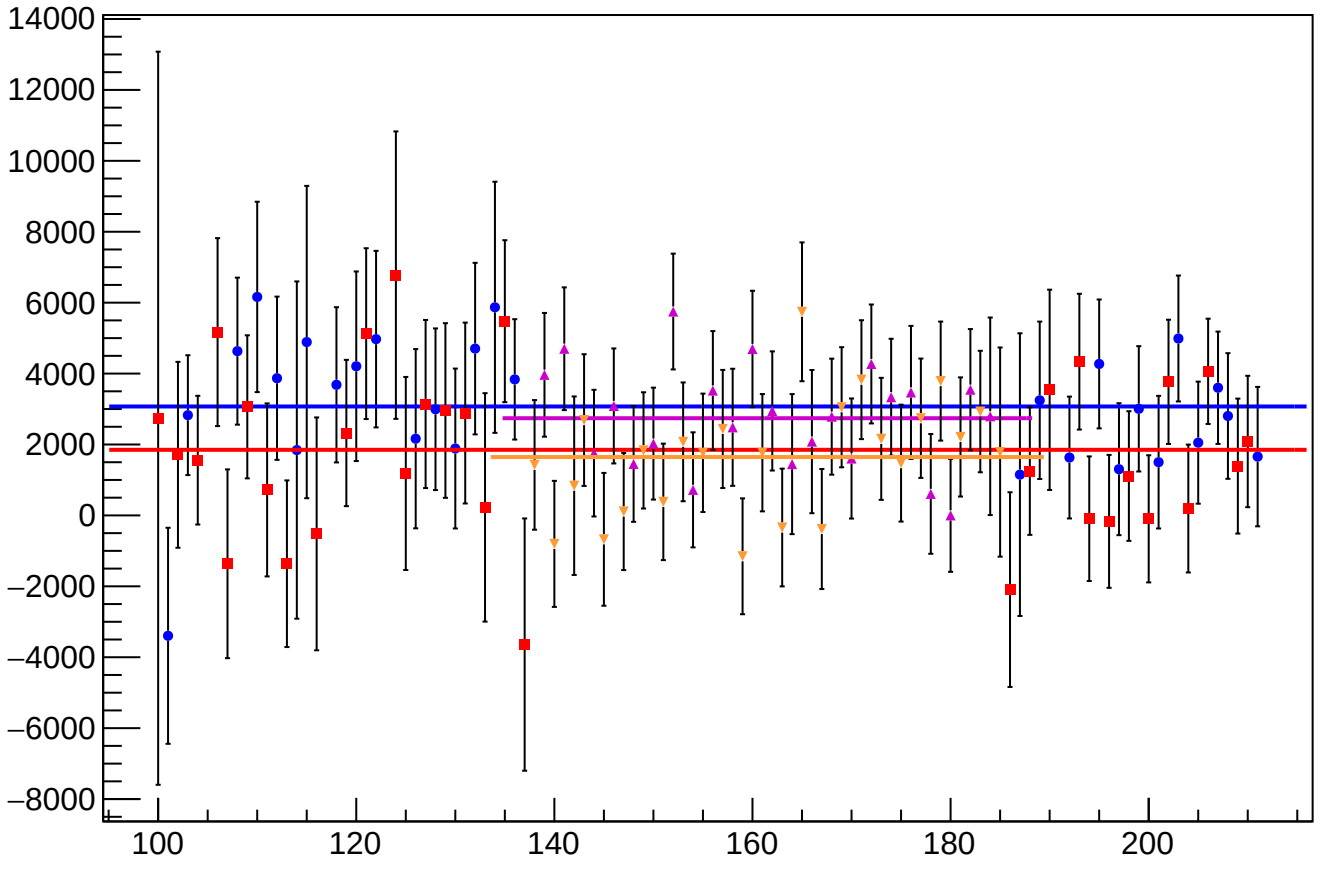
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18449615.2/59

In: 0.000+/-0.000 χ^2/NDF:14275177.0/50

Out: 0.000+/-0.000 χ^2/NDF:16063917.1/56

All: 0.000+/-0.000 χ^2/NDF: 30348482.3/107



Right In: 3072.145+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1850.033+/-388.981 χ^2/NDF: 27.6/31

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

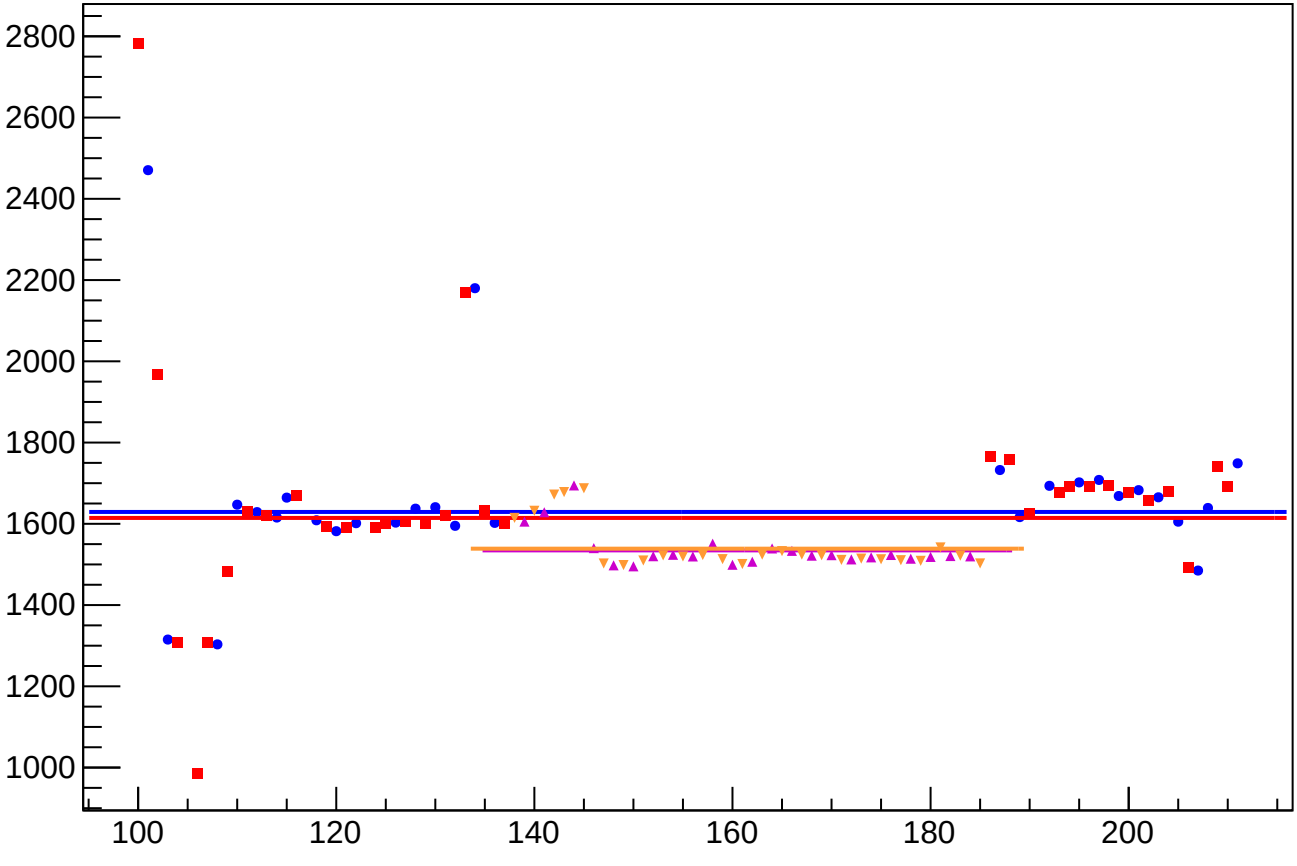
Right: 2441.573+/-279.409 χ^2/NDF: 46.8/59

In: 2887.791+/-267.428 χ^2/NDF:31.3/50

Out: 1737.436+/-260.081 χ^2/NDF:48.8/56

All: 2296.596+/-186.448 χ^2/NDF: 89.6/107

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1629.199+/-0.284 χ^2/NDF: 360769.1/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.481+/-0.273 χ^2/NDF: 469296.3/31

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

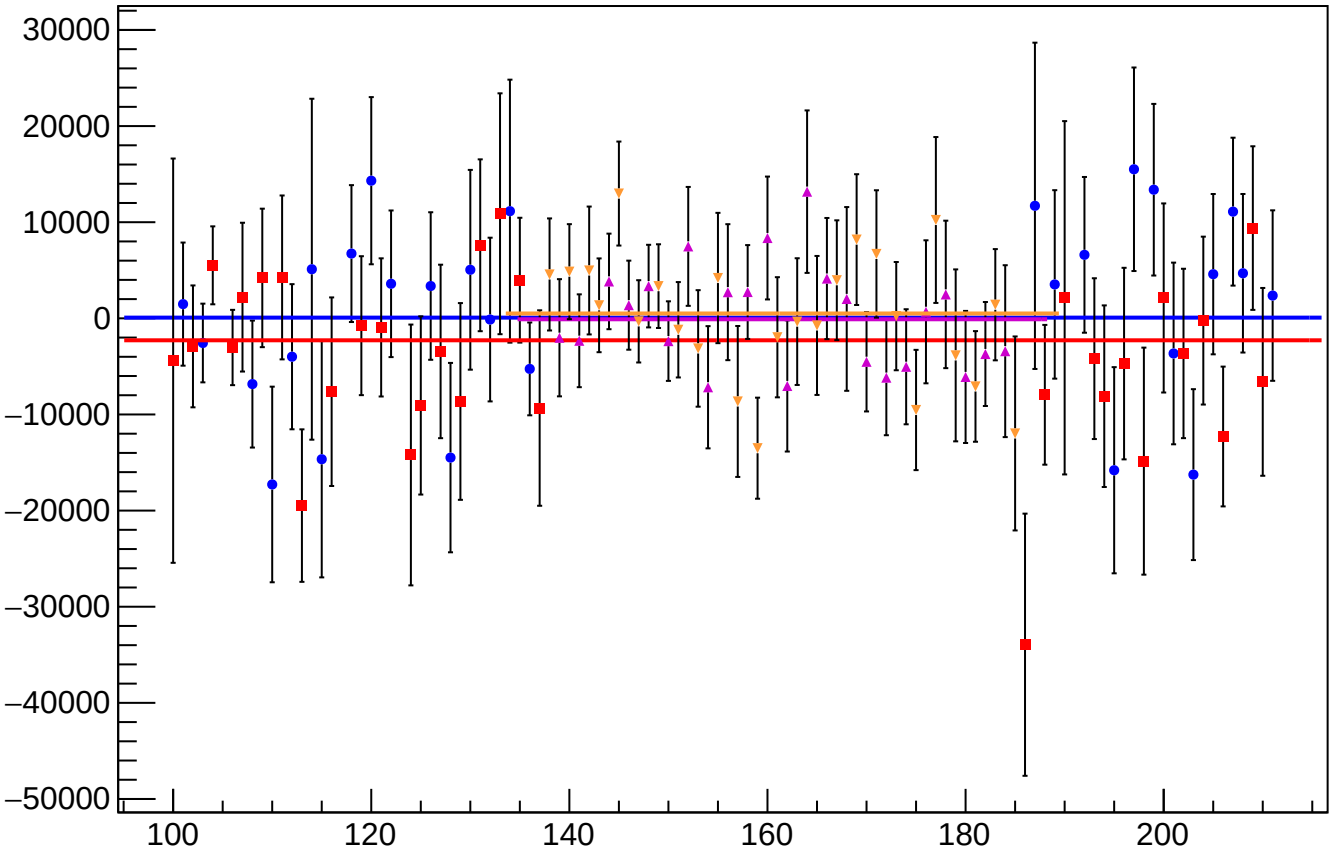
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1621.550+/-0.197 χ^2/NDF: 831461.2/59

In: 1576.554+/-0.189 χ^2/NDF:453633.9/50

Out: 1572.918+/-0.183 χ^2/NDF:558549.5/56

All: 1574.679+/-0.132 χ^2/NDF: 1012374.0/10



Right In: 74.162+/-1516.954 χ^2/NDF: 28.6/27

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2284.398+/-1402.451 χ^2/NDF: 27.9/31

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

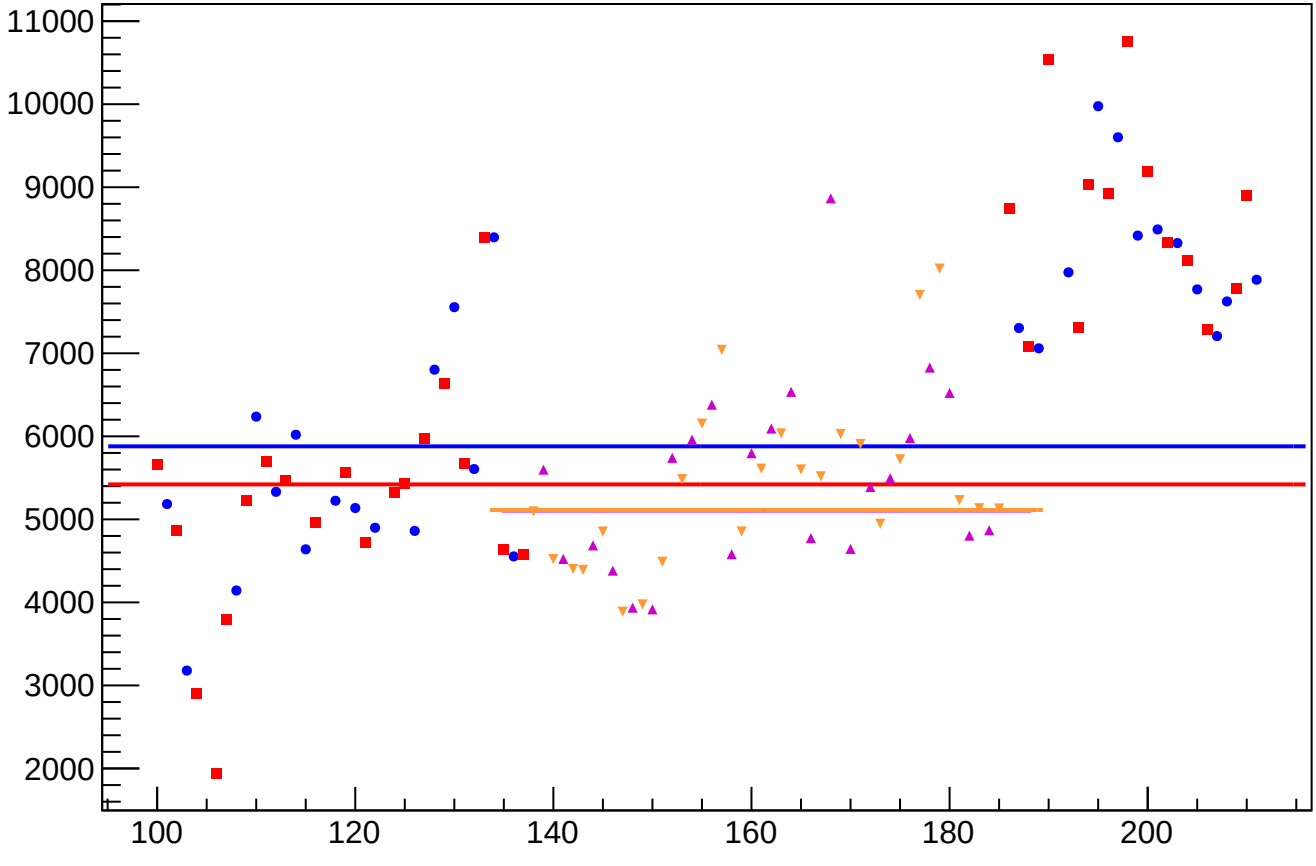
Right: -1197.481+/-1029.786 χ^2/NDF: 57.8/59

In: -30.489+/-949.545 χ^2/NDF:43.5/50

Out: -660.226+/-906.176 χ^2/NDF:57.1/56

All: -360.067+/-655.559 χ^2/NDF: 100.7/107

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5879.406+/-1.073 χ^2/NDF: 2992425.1/27

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5420.945+/-0.992 χ^2/NDF: 5346320.7/31

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

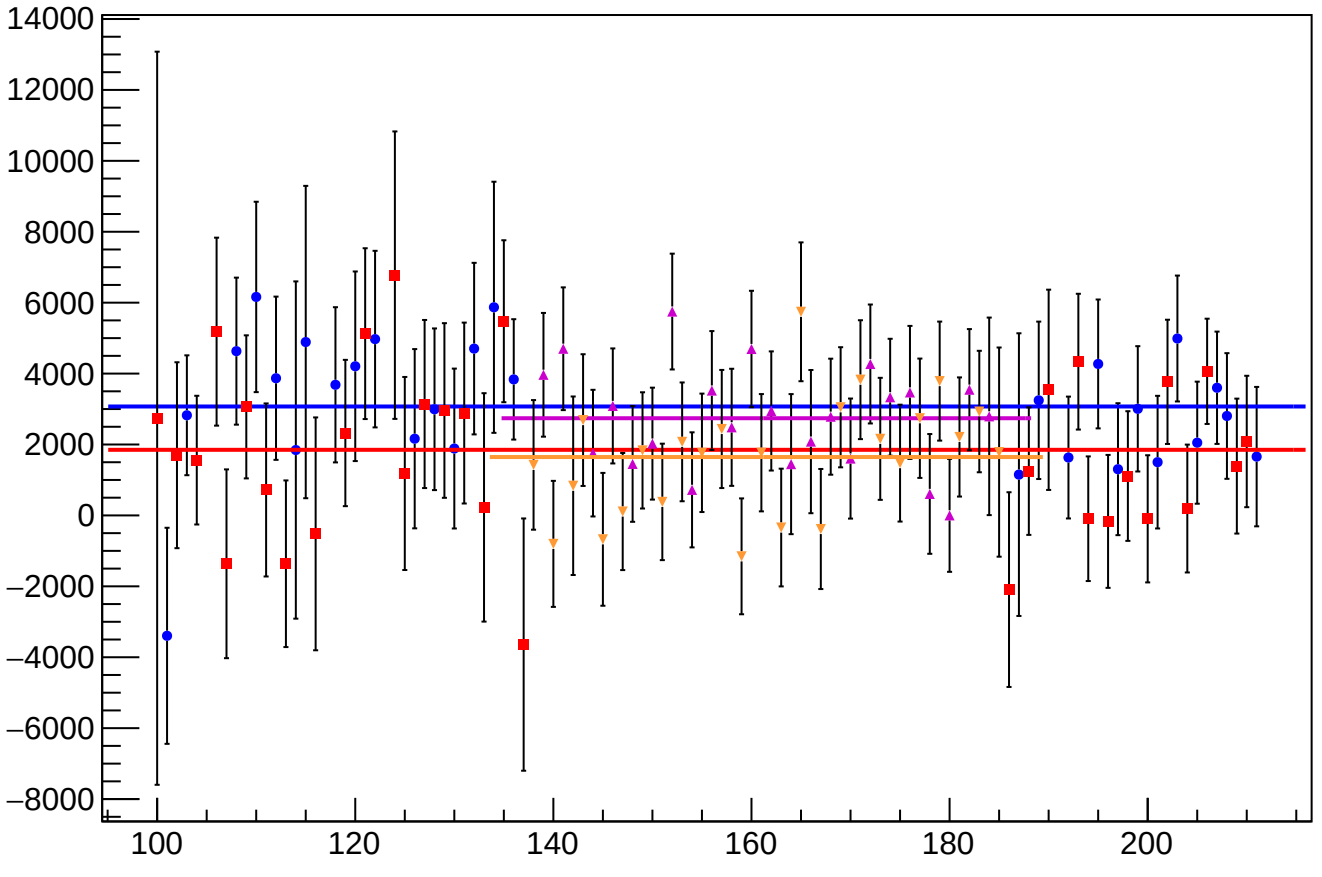
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5632.222+/-0.728 χ^2/NDF: 8437239.5/59

In: 5409.270+/-0.671 χ^2/NDF:4559910.9/50

Out: 5241.538+/-0.641 χ^2/NDF:6561517.7/56

All: 5321.486+/-0.464 χ^2/NDF: 11154089.7/1



Right In: 3072.031+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1850.048+/-388.982 χ^2/NDF: 27.6/31

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

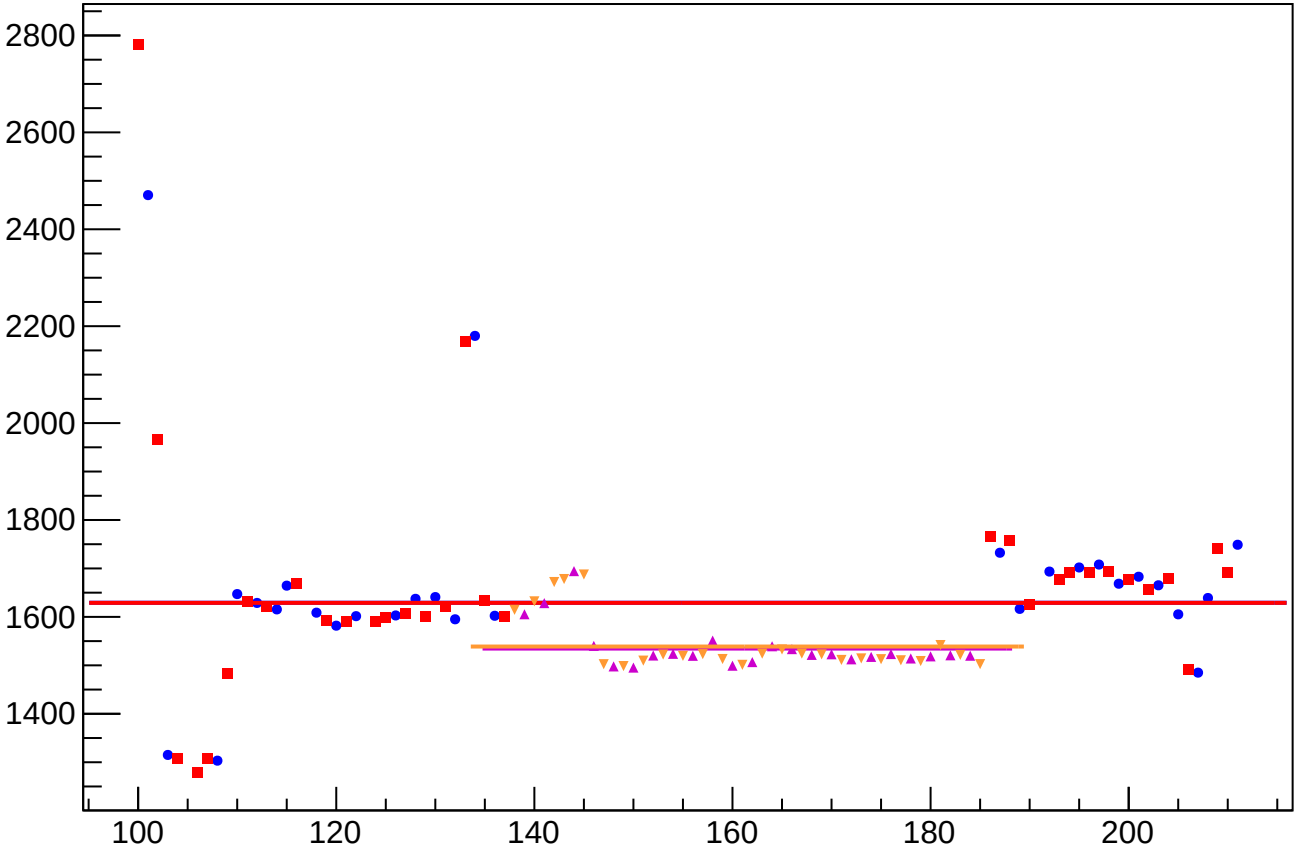
Right: 2441.527+/-279.409 χ^2/NDF: 46.8/59

In: 2887.685+/-267.428 χ^2/NDF:31.3/50

Out: 1737.383+/-260.082 χ^2/NDF:48.8/56

All: 2296.518+/-186.448 χ^2/NDF: 89.6/107

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1629.199+/-0.284 χ^2/NDF: 360768.2/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.966+/-0.275 χ^2/NDF: 313329.7/31

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

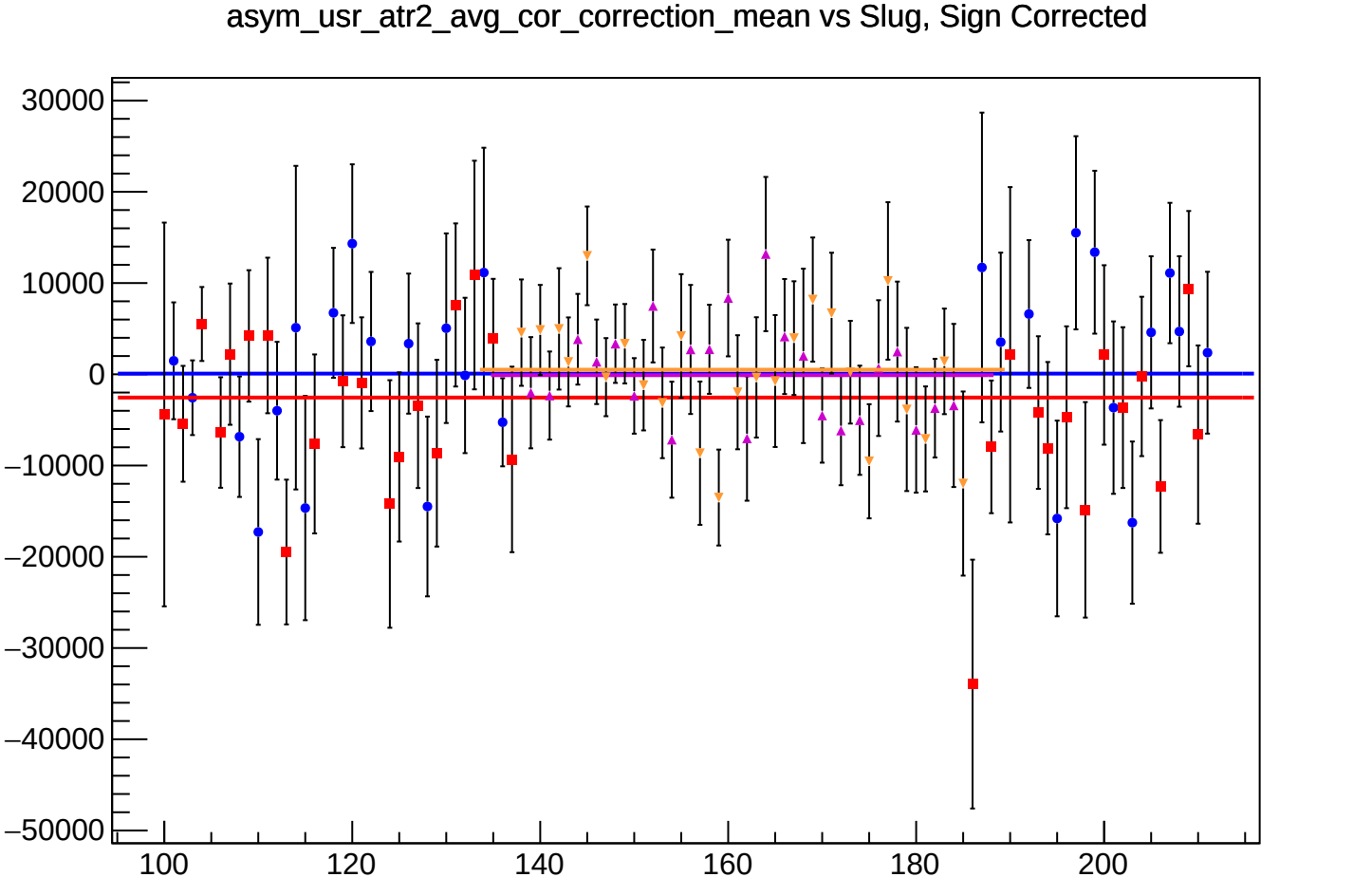
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

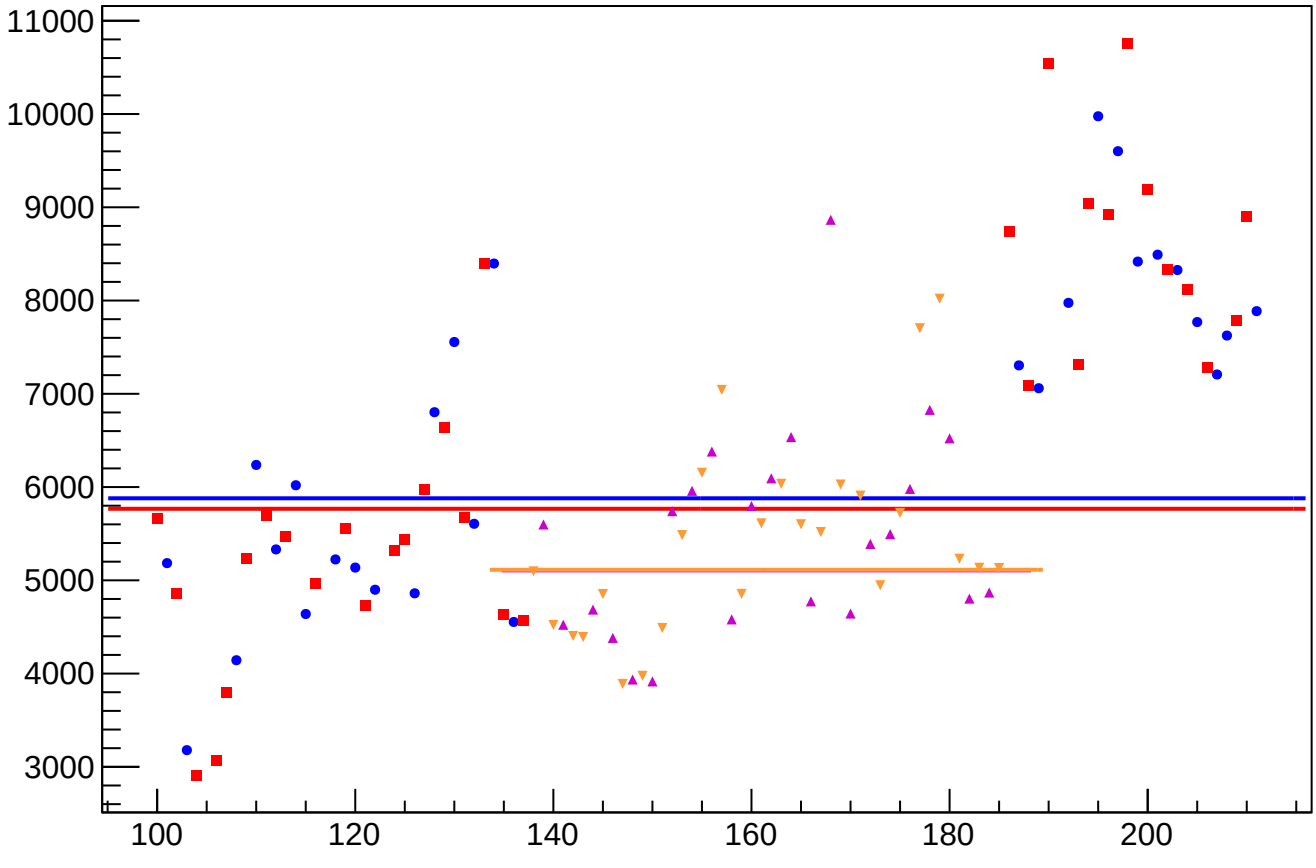
Right: 1629.078+/-0.197 χ^2/NDF: 674098.2/59

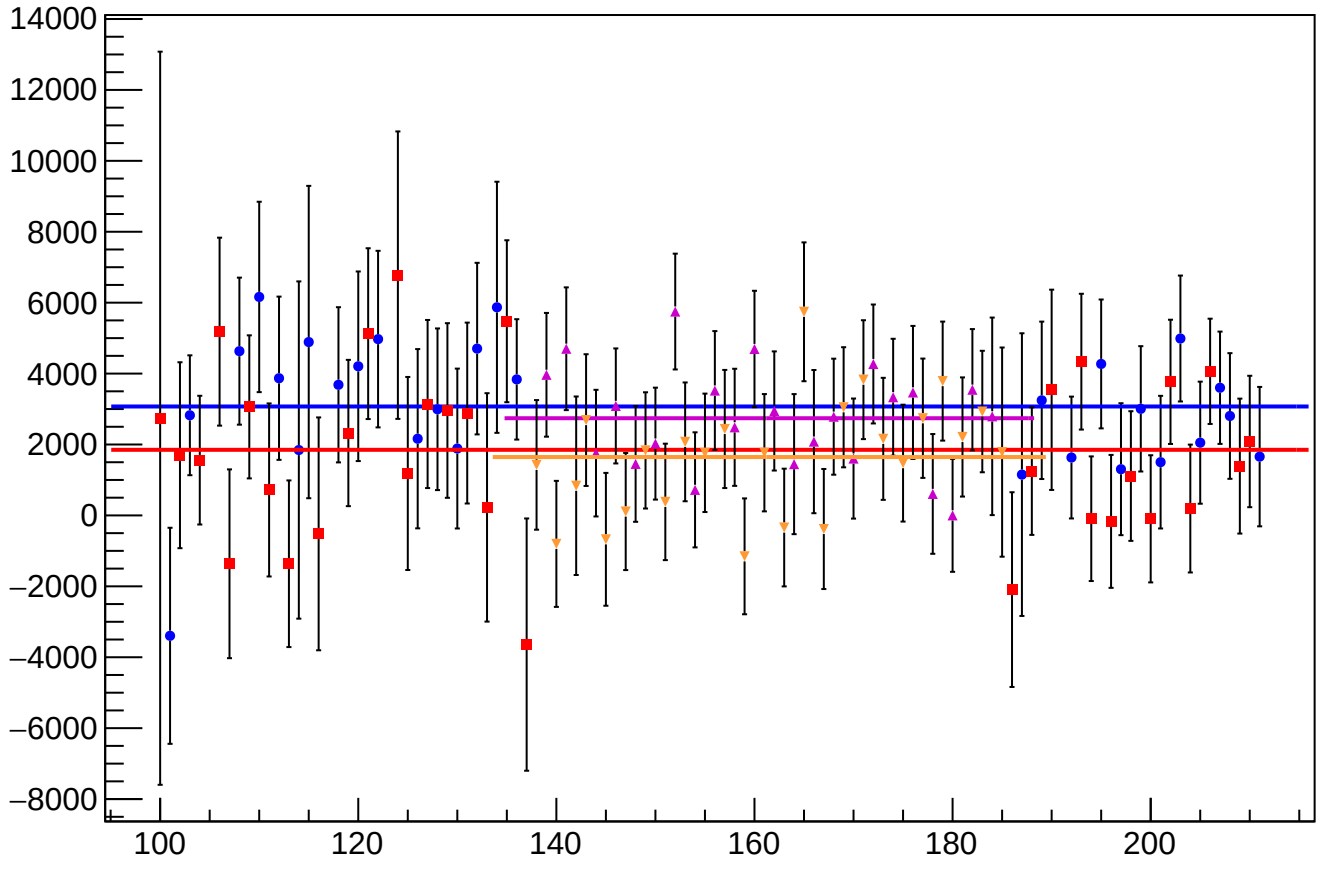
In: 1576.554+/-0.189 χ^2/NDF:453633.1/50

Out: 1579.192+/-0.184 χ^2/NDF:419907.4/56

All: 1577.911+/-0.132 χ^2/NDF: 873640.6/107


asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 74.105+/-1516.975 χ²/NDF: 28.6/27
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2550.059+/-1458.011 χ²/NDF: 28.6/31
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1289.966+/-1051.197 χ²/NDF: 58.7/59
In: -30.525+/-949.550 χ²/NDF:43.5/50
Out: -713.821+/-920.657 χ²/NDF:58.0/56
All: -382.727+/-660.981 χ²/NDF: 101.7/107


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5879.527+/-1.073 χ²/NDF: 2992032.8/27
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 5767.147+/-1.031 χ²/NDF: 3954746.5/31
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 5821.111+/-0.743 χ²/NDF: 6952484.8/59
In: 5409.311+/-0.671 χ²/NDF:4559614.4/50
Out: 5373.793+/-0.651 χ²/NDF:5355874.5/56
All: 5391.004+/-0.467 χ²/NDF: 9916931.4/10



Right In: 3072.031+/-401.610 χ^2/NDF: 14.5/27

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1850.048+/-388.982 χ^2/NDF: 27.6/31

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

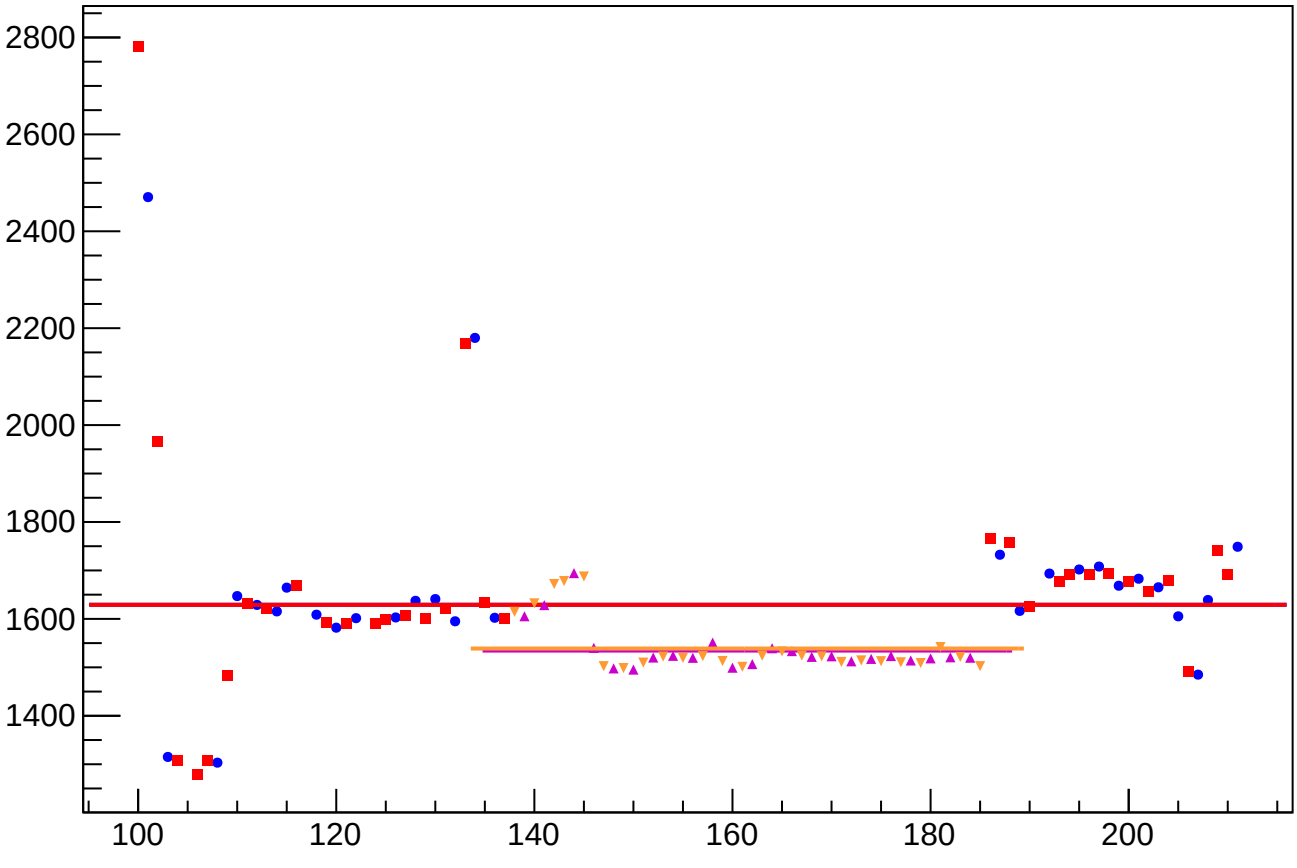
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2441.527+/-279.409 χ^2/NDF: 46.8/59

In: 2887.685+/-267.428 χ^2/NDF:31.3/50

Out: 1737.383+/-260.082 χ^2/NDF:48.8/56

All: 2296.518+/-186.448 χ^2/NDF: 89.6/107



Right In: 1629.199+/-0.284 χ^2/NDF: 360768.2/27

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.966+/-0.275 χ^2/NDF: 313329.7/31

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

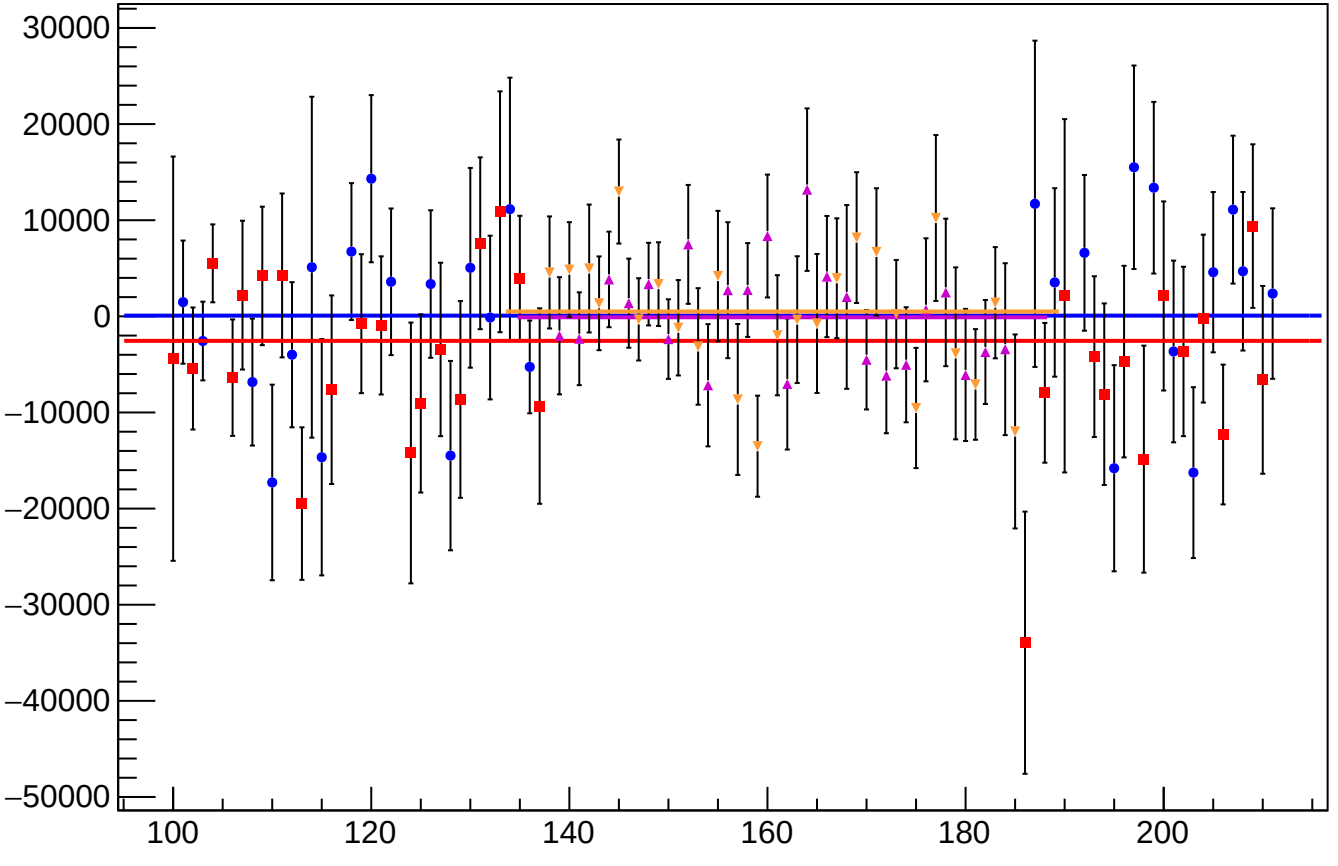
Right: 1629.078+/-0.197 χ^2/NDF: 674098.2/59

In: 1576.554+/-0.189 χ^2/NDF:453633.1/50

Out: 1579.192+/-0.184 χ^2/NDF:419907.4/56

All: 1577.911+/-0.132 χ^2/NDF: 873640.6/107

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 74.105+/-1516.975 χ^2/NDF: 28.6/27

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2550.059+/-1458.011 χ^2/NDF: 28.6/31

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

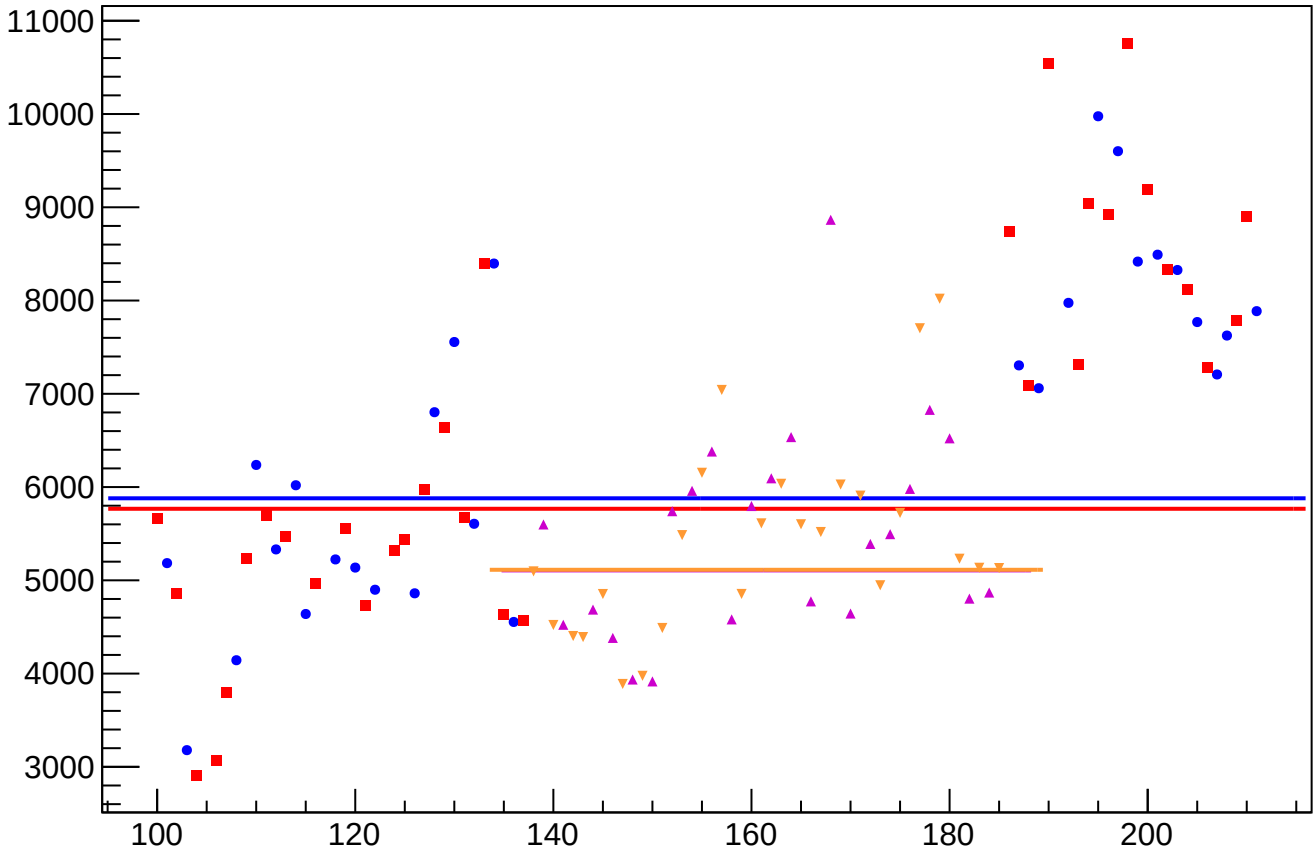
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1289.966+/-1051.197 χ^2/NDF: 58.7/59

In: -30.525+/-949.550 χ^2/NDF:43.5/50

Out: -713.821+/-920.657 χ^2/NDF:58.0/56

All: -382.727+/-660.981 χ^2/NDF: 101.7/107



Right In: 5879.527+/-1.073 χ^2/NDF: 2992032.8/27

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5767.147+/-1.031 χ^2/NDF: 3954746.5/31

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

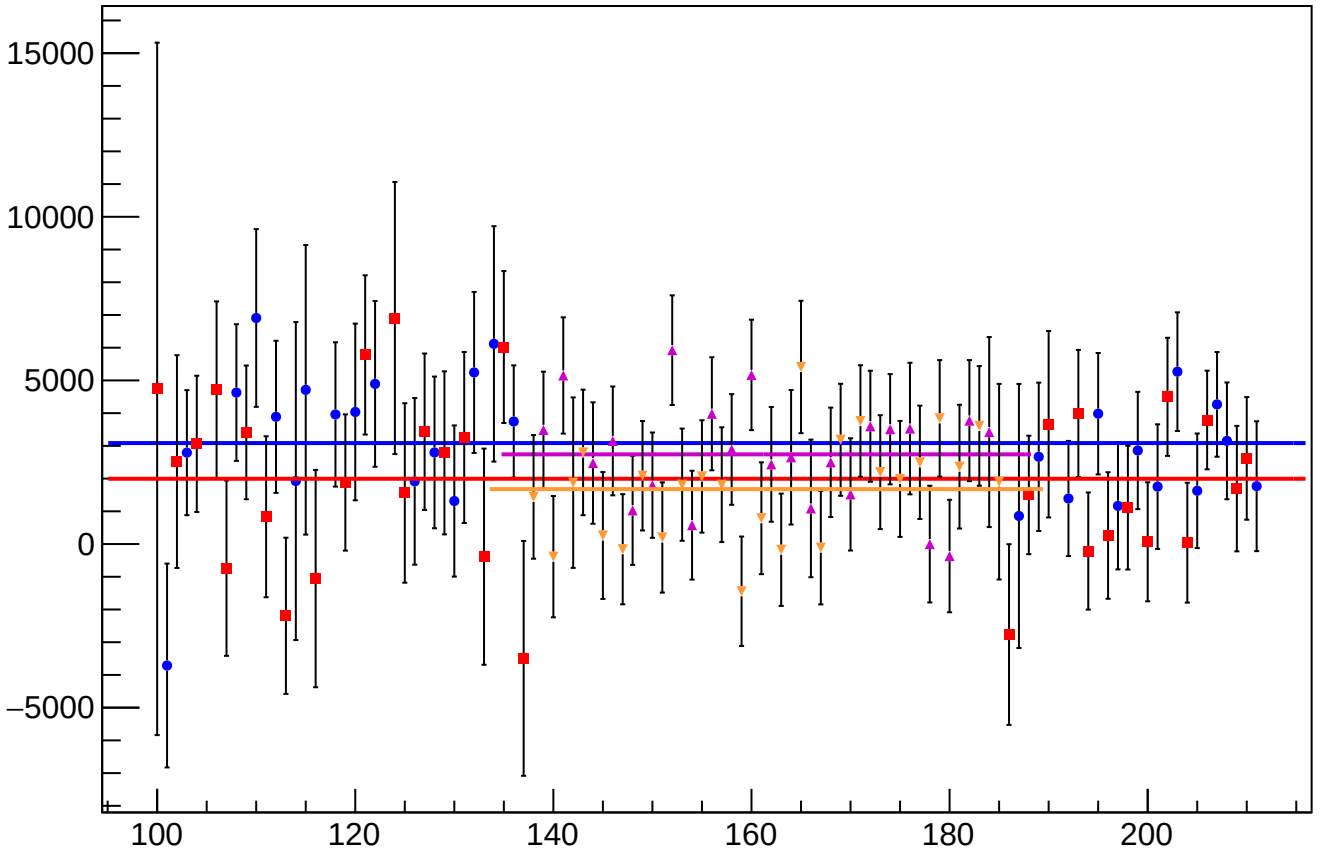
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5821.111+/-0.743 χ^2/NDF: 6952484.8/59

In: 5409.311+/-0.671 χ^2/NDF:4559614.4/50

Out: 5373.793+/-0.651 χ^2/NDF:5355874.5/56

All: 5391.004+/-0.467 χ^2/NDF: 9916931.4/10



Right In: 3085.468+/-410.282 χ^2/NDF: 17.0/27

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1994.796+/-398.478 χ^2/NDF: 30.2/31

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

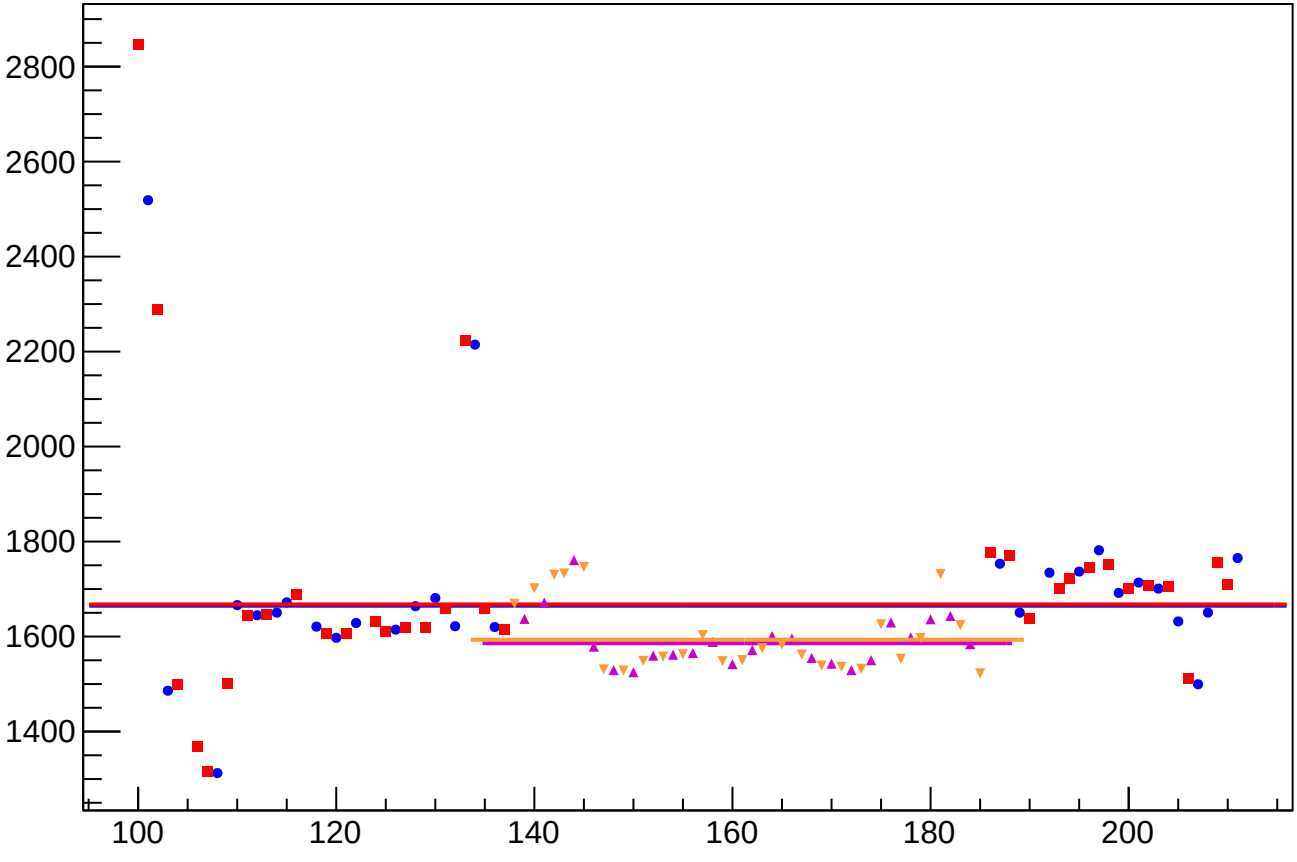
Right: 2524.217+/-285.848 χ^2/NDF: 50.8/59

In: 2895.593+/-275.017 χ^2/NDF:36.5/50

Out: 1822.043+/-268.101 χ^2/NDF:49.5/56

All: 2345.150+/-191.975 χ^2/NDF: 93.8/107

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1665.053+/-0.290 χ^2/NDF: 321379.7/27

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.622+/-0.282 χ^2/NDF: 295132.7/31

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

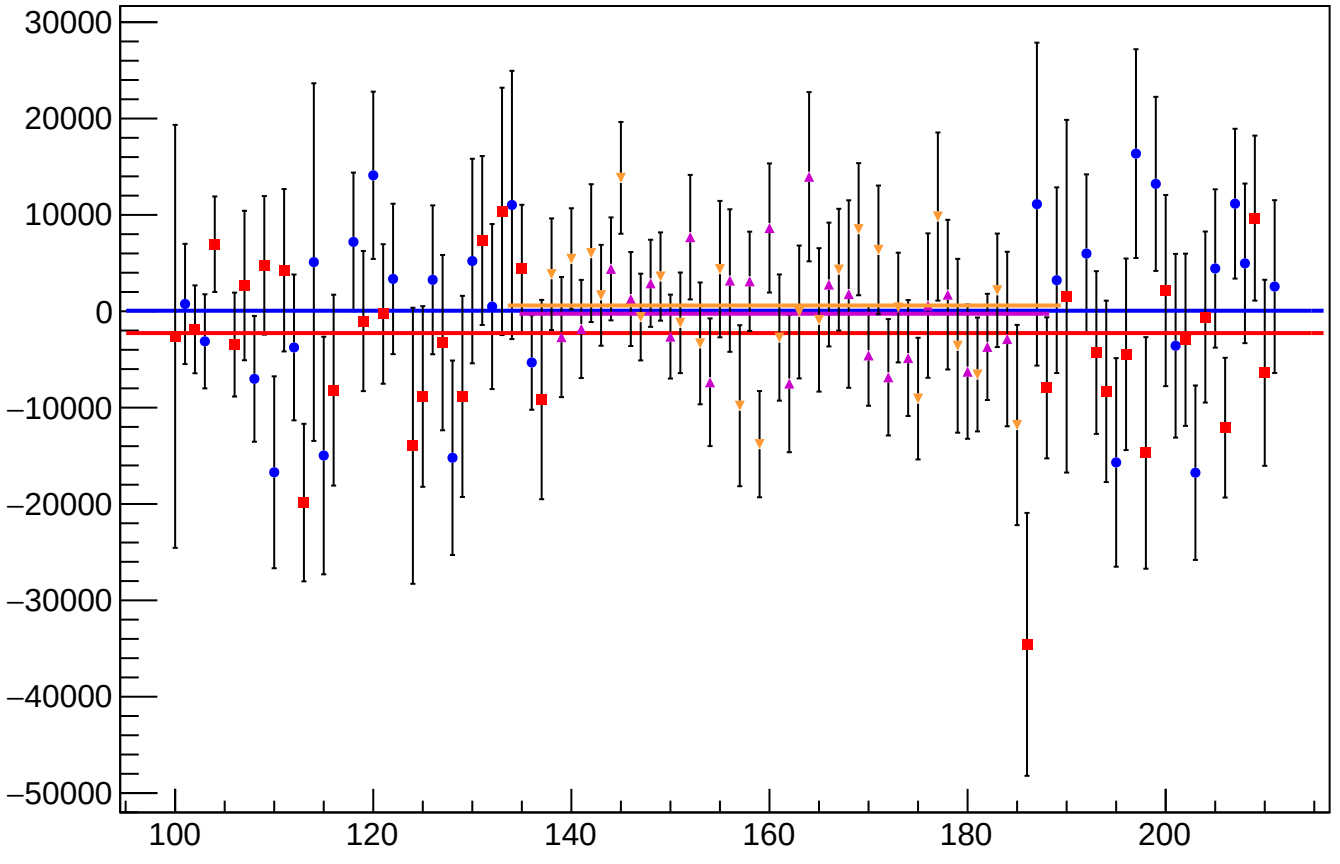
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1666.375+/-0.202 χ^2/NDF: 616552.8/59

In: 1621.475+/-0.194 χ^2/NDF:404268.2/50

Out: 1627.006+/-0.190 χ^2/NDF:405015.2/56

All: 1624.311+/-0.136 χ^2/NDF: 809698.2/107



Right In: 56.010+/-1555.897 χ^2/NDF: 28.5/27

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2264.130+/-1450.612 χ^2/NDF: 27.8/31

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

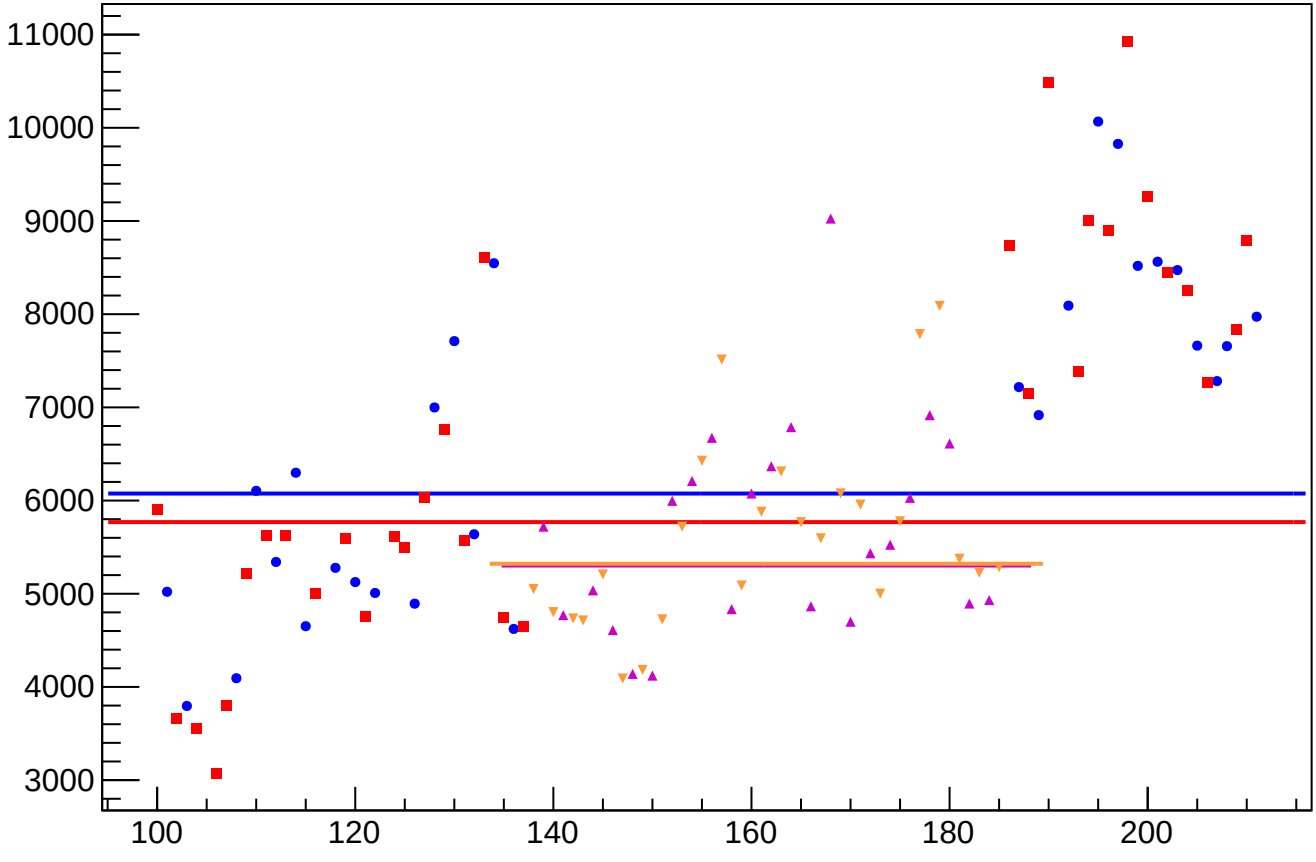
Right: -1185.210+/-1061.007 χ^2/NDF: 57.5/59

In: -132.057+/-980.408 χ^2/NDF:43.2/50

Out: -600.908+/-939.725 χ^2/NDF:56.1/56

All: -376.412+/-678.412 χ^2/NDF: 99.4/107

asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 6075.235+/-1.100 χ^2/NDF: 2529169.0/27

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5768.796+/-1.026 χ^2/NDF: 3868641.6/31

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

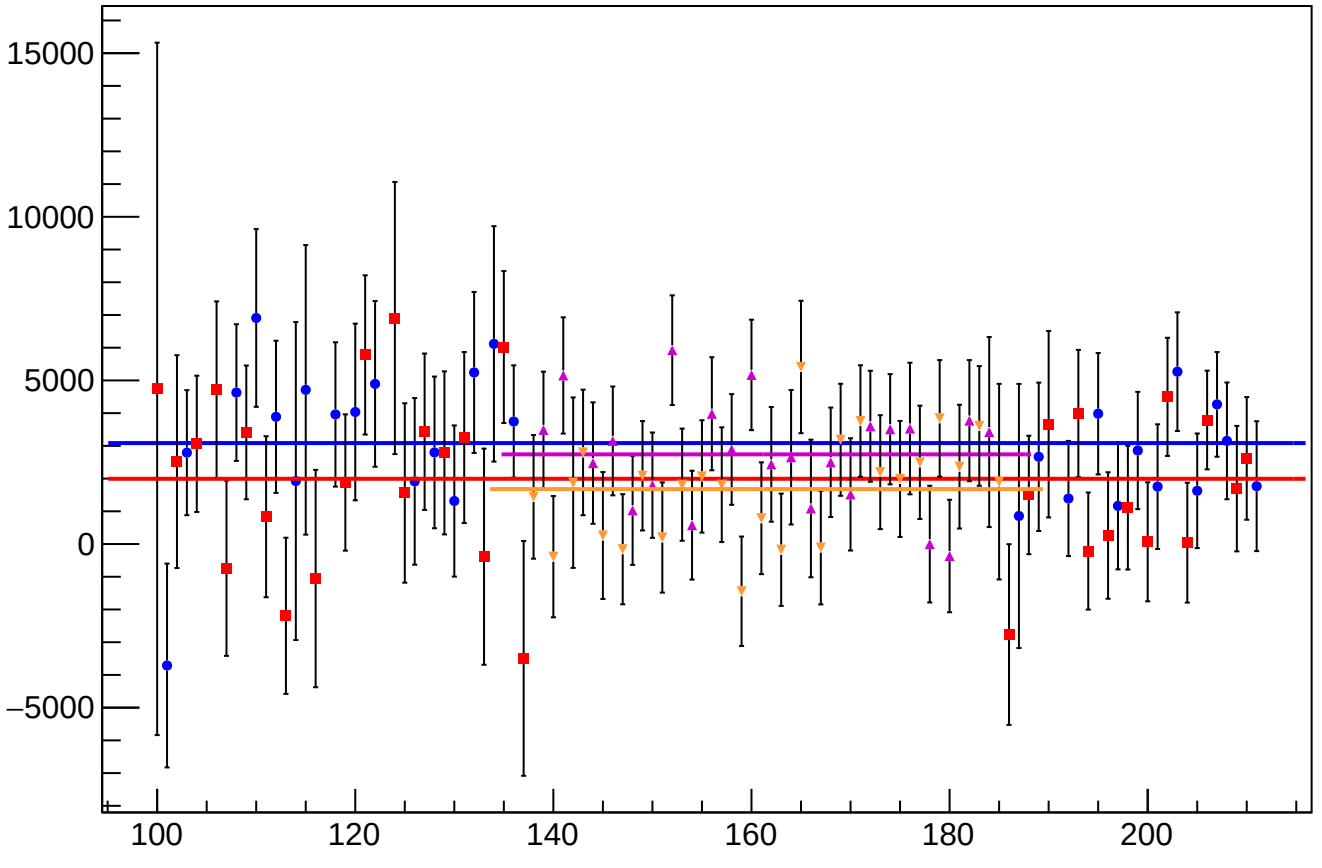
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5911.297+/-0.750 χ^2/NDF: 6439314.6/59

In: 5609.530+/-0.693 χ^2/NDF:3978721.0/50

Out: 5509.477+/-0.664 χ^2/NDF:5015782.8/56

All: 5557.385+/-0.480 χ^2/NDF: 9005359.5/10



Right In: 3085.467+/-410.282 χ^2/NDF: 17.0/27

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1994.796+/-398.478 χ^2/NDF: 30.2/31

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

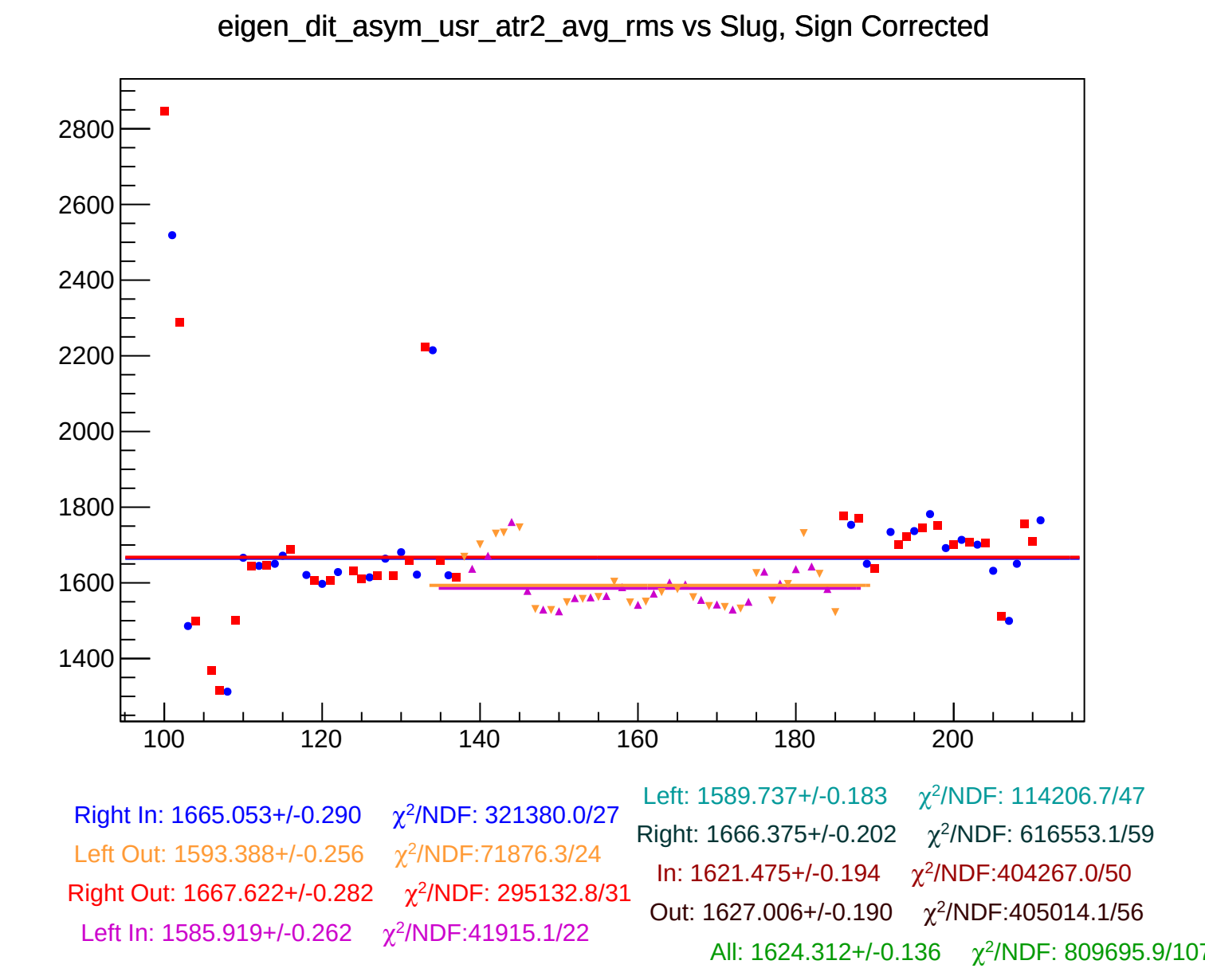
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2524.216+/-285.848 χ^2/NDF: 50.8/59

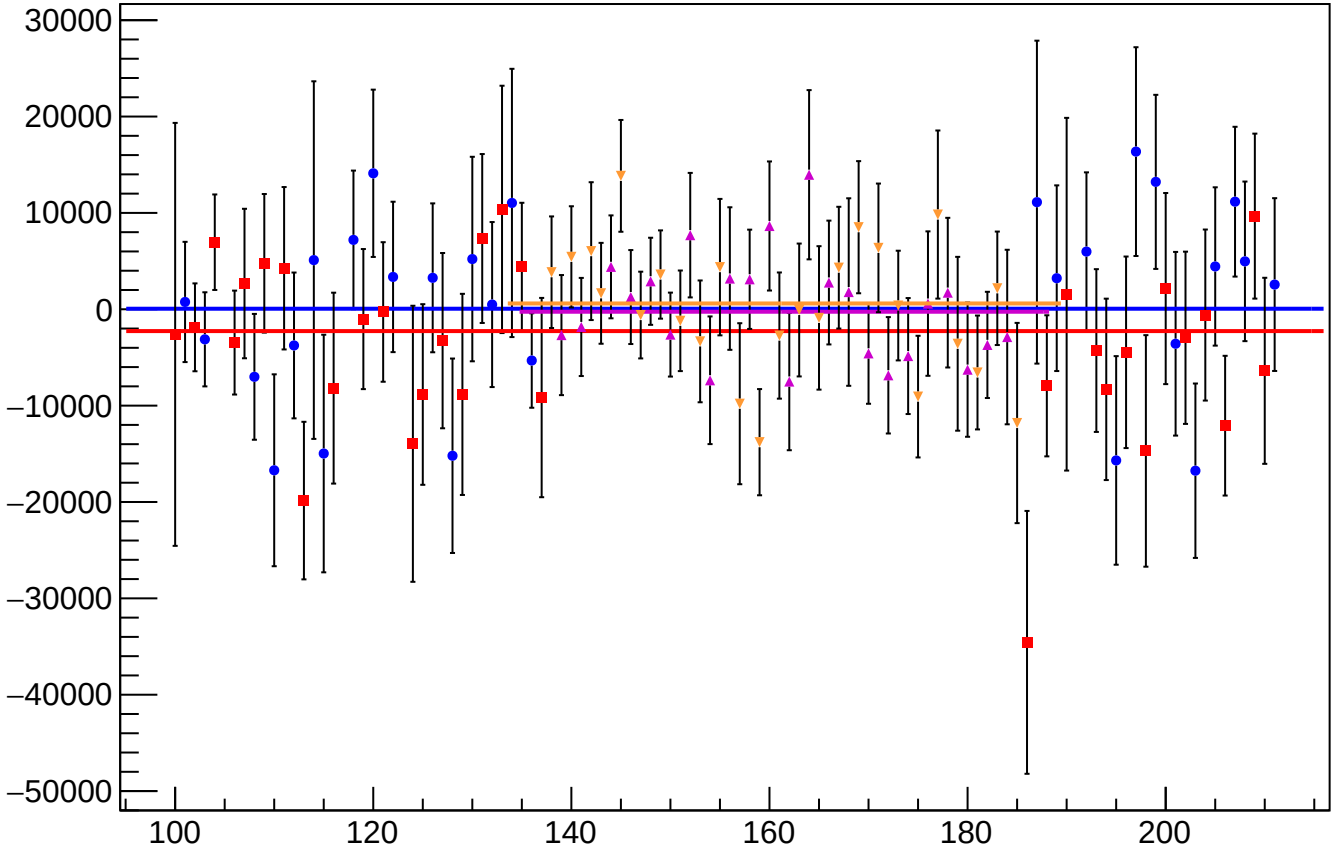
In: 2895.592+/-275.017 χ^2/NDF:36.5/50

Out: 1822.040+/-268.101 χ^2/NDF:49.5/56

All: 2345.148+/-191.975 χ^2/NDF: 93.8/107


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
Right In: 1665.053+/-0.290 χ²/NDF: 321380.0/27
Left Out: 1593.388+/-0.256 χ²/NDF:71876.3/24
Right Out: 1667.622+/-0.282 χ²/NDF: 295132.8/31
Left In: 1585.919+/-0.262 χ²/NDF:41915.1/22
Left: 1589.737+/-0.183 χ²/NDF: 114206.7/47
Right: 1666.375+/-0.202 χ²/NDF: 616553.1/59
In: 1621.475+/-0.194 χ²/NDF:404267.0/50
Out: 1627.006+/-0.190 χ²/NDF:405014.1/56
All: 1624.312+/-0.136 χ²/NDF: 809695.9/107

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 56.015+/-1555.896 χ^2/NDF: 28.5/27

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2264.127+/-1450.611 χ^2/NDF: 27.8/31

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

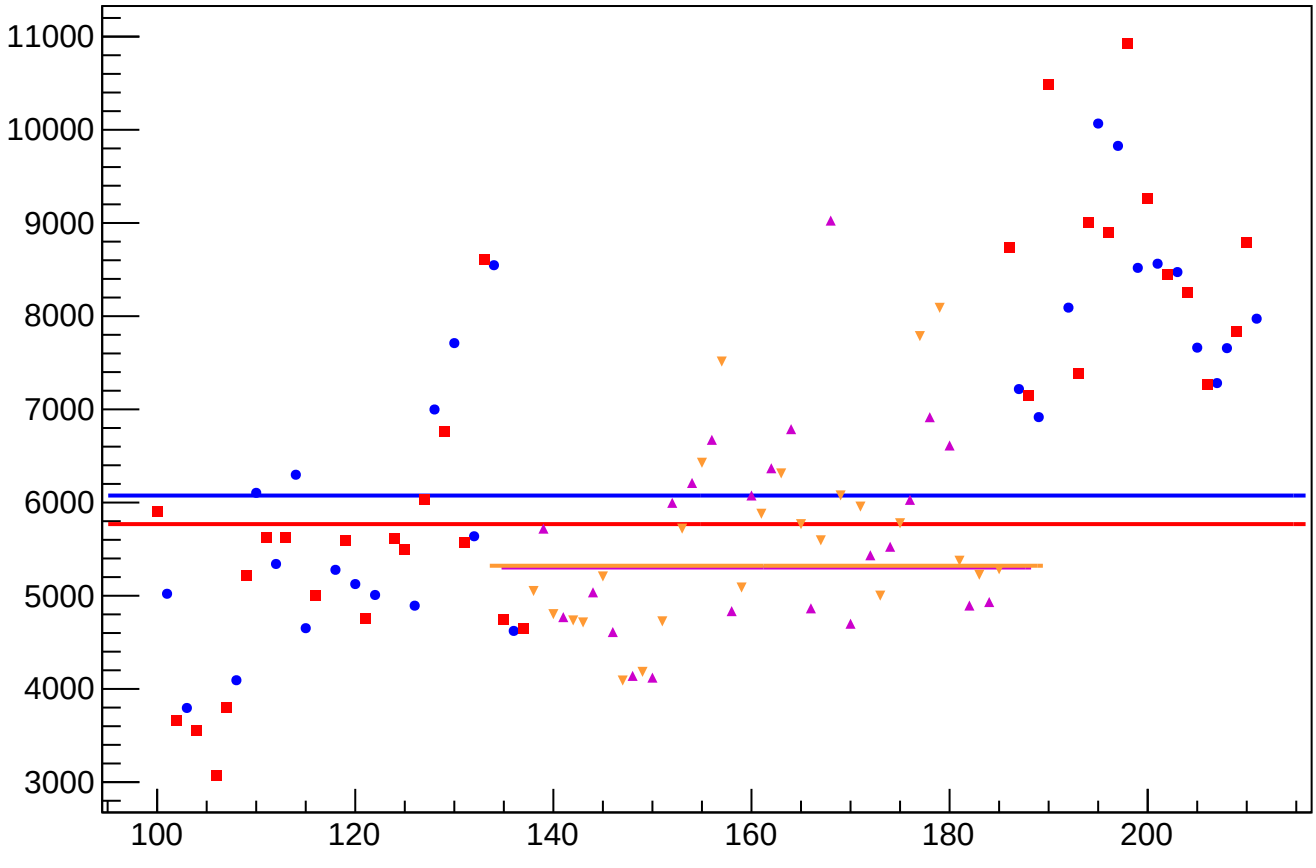
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1185.205+/-1061.007 χ^2/NDF: 57.5/59

In: -132.056+/-980.408 χ^2/NDF:43.2/50

Out: -600.912+/-939.725 χ^2/NDF:56.1/56

All: -376.414+/-678.413 χ^2/NDF: 99.4/107



Right In: 6075.231+/-1.100 χ^2/NDF: 2529184.0/27

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5768.790+/-1.026 χ^2/NDF: 3868658.1/31

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

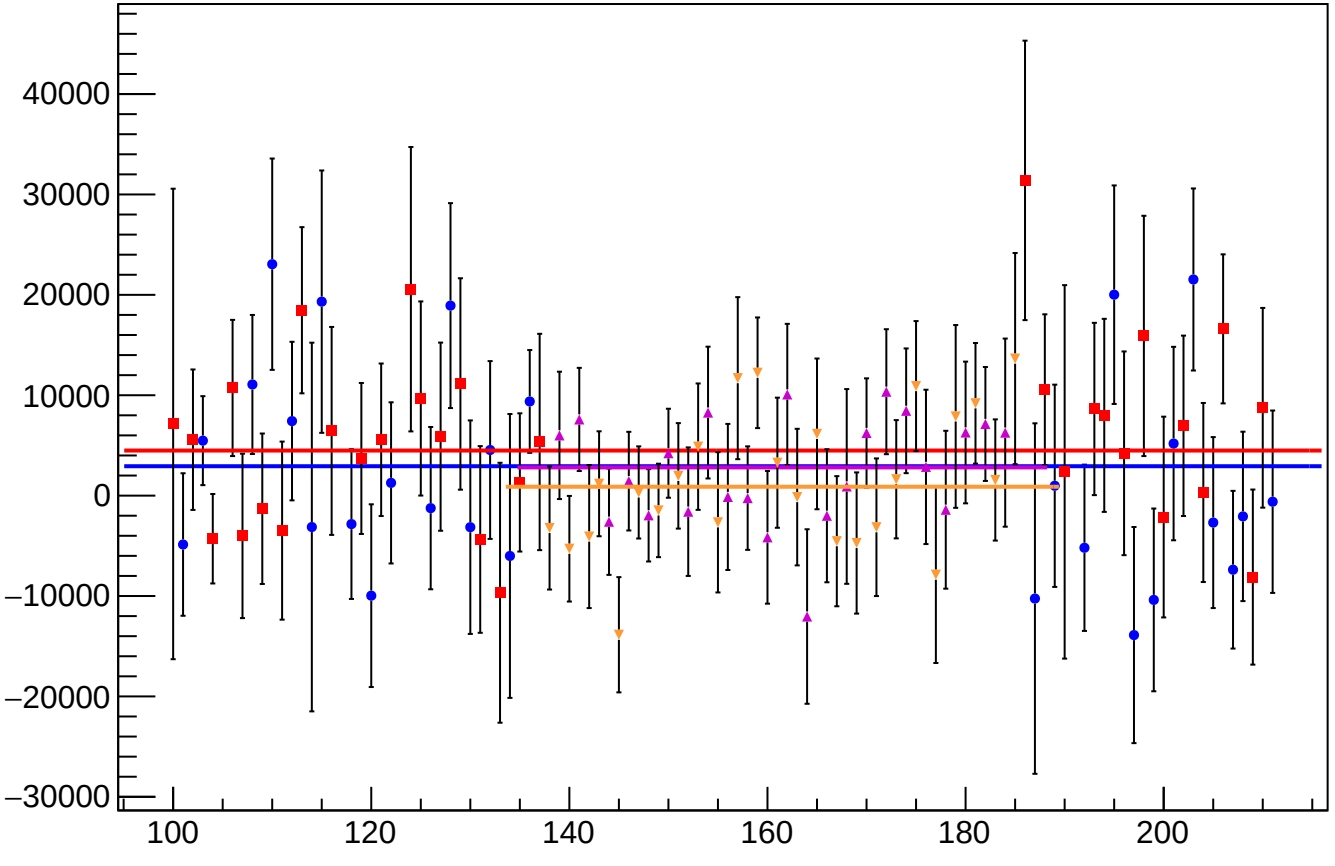
Right: 5911.292+/-0.750 χ^2/NDF: 6439346.5/59

In: 5609.534+/-0.693 χ^2/NDF:3978729.7/50

Out: 5509.481+/-0.664 χ^2/NDF:5015794.1/56

All: 5557.389+/-0.480 χ^2/NDF: 9005379.6/10

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 2928.957+/-1587.765 χ^2/NDF: 31.8/27

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4491.379+/-1533.314 χ^2/NDF: 25.8/31

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

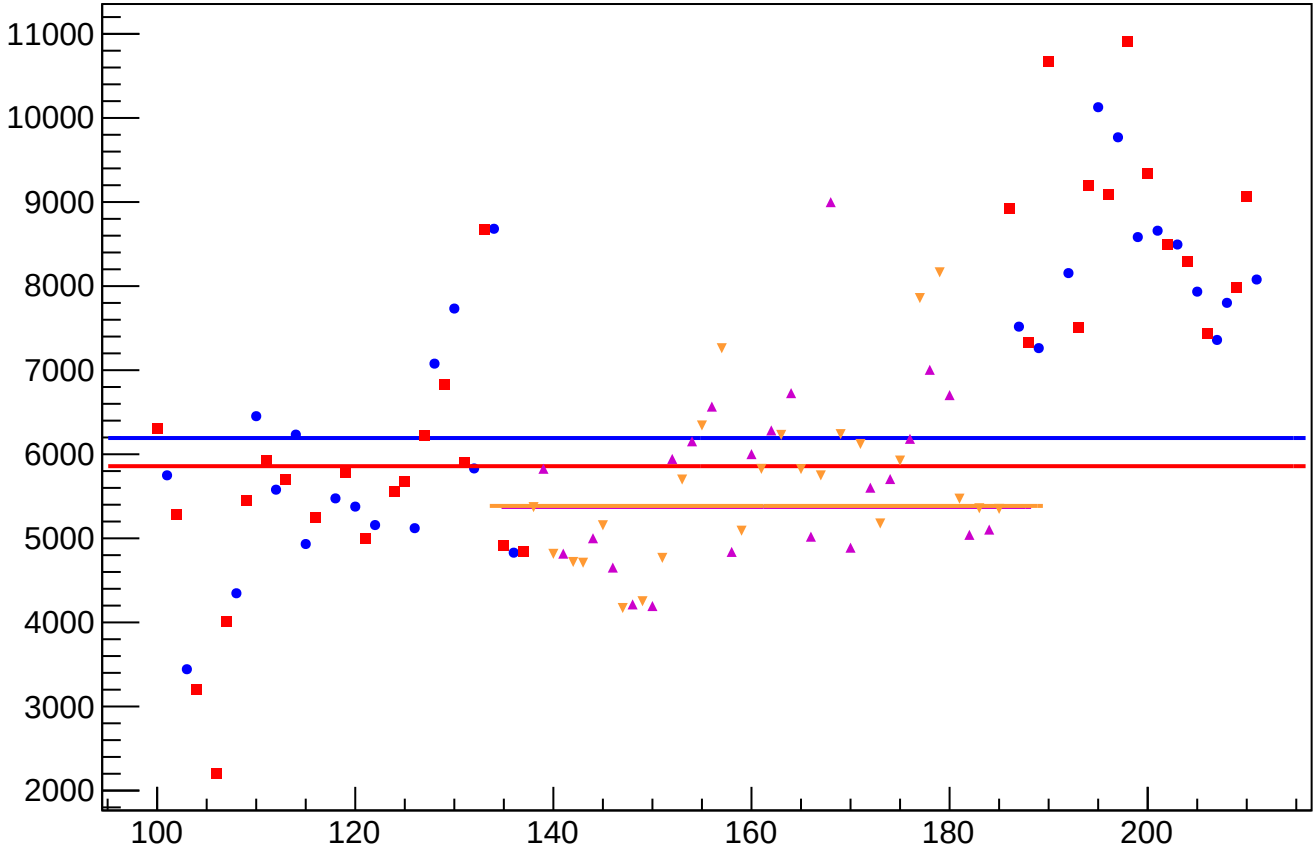
Right: 3737.418+/-1102.964 χ^2/NDF: 58.2/59

In: 2857.160+/-995.197 χ^2/NDF:46.5/50

Out: 2320.302+/-967.215 χ^2/NDF:54.8/56

All: 2581.078+/-693.606 χ^2/NDF: 101.5/107

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6193.115+/-1.123 χ^2/NDF: 2631806.0/27

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5858.330+/-1.056 χ^2/NDF: 4395604.6/31

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

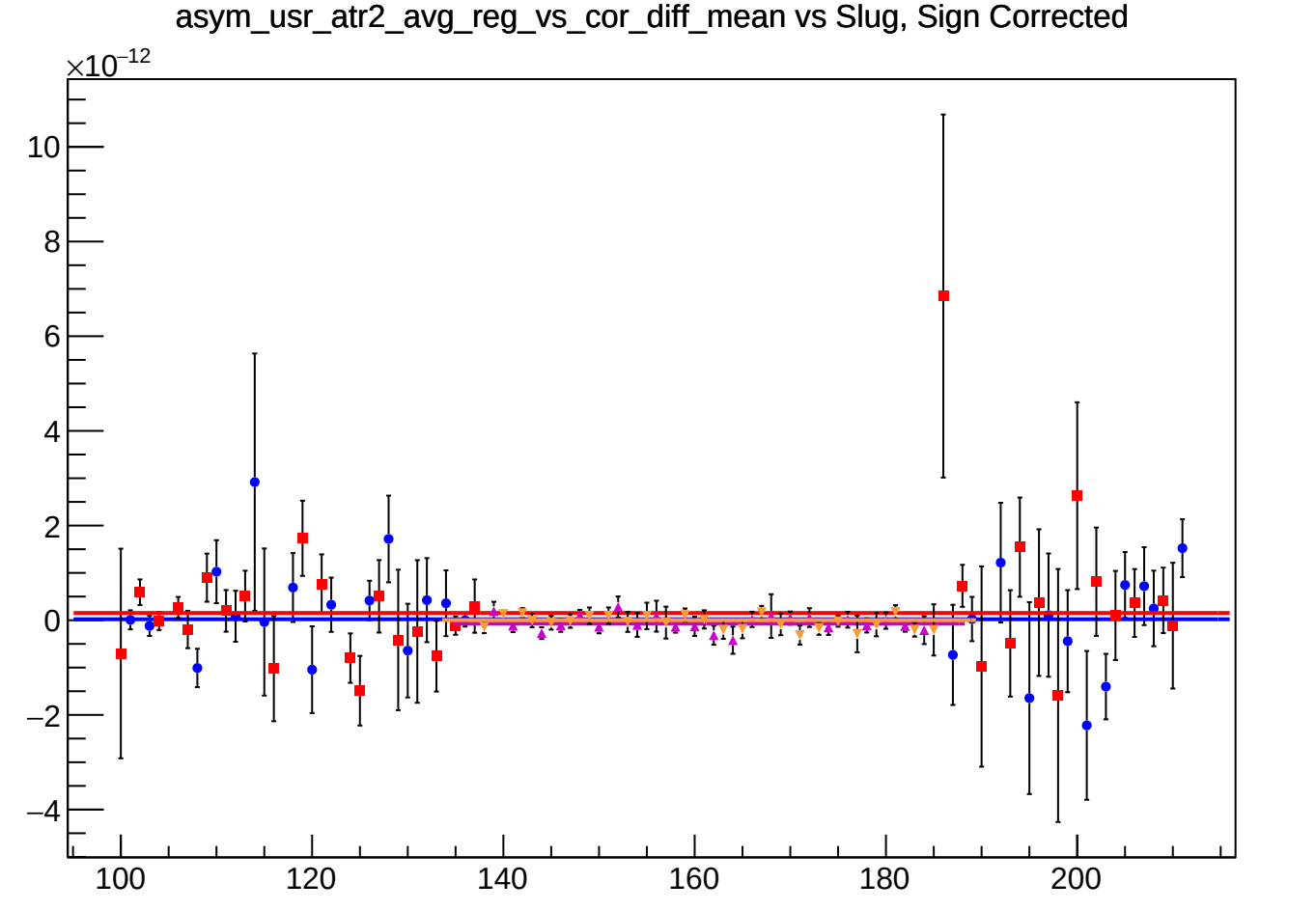
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

Right: 6015.501+/-0.769 χ^2/NDF: 7074584.1/59

In: 5695.115+/-0.704 χ^2/NDF:4027691.7/50

Out: 5579.710+/-0.677 χ^2/NDF:5500764.1/56

All: 5635.156+/-0.488 χ^2/NDF: 9542428.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/31

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

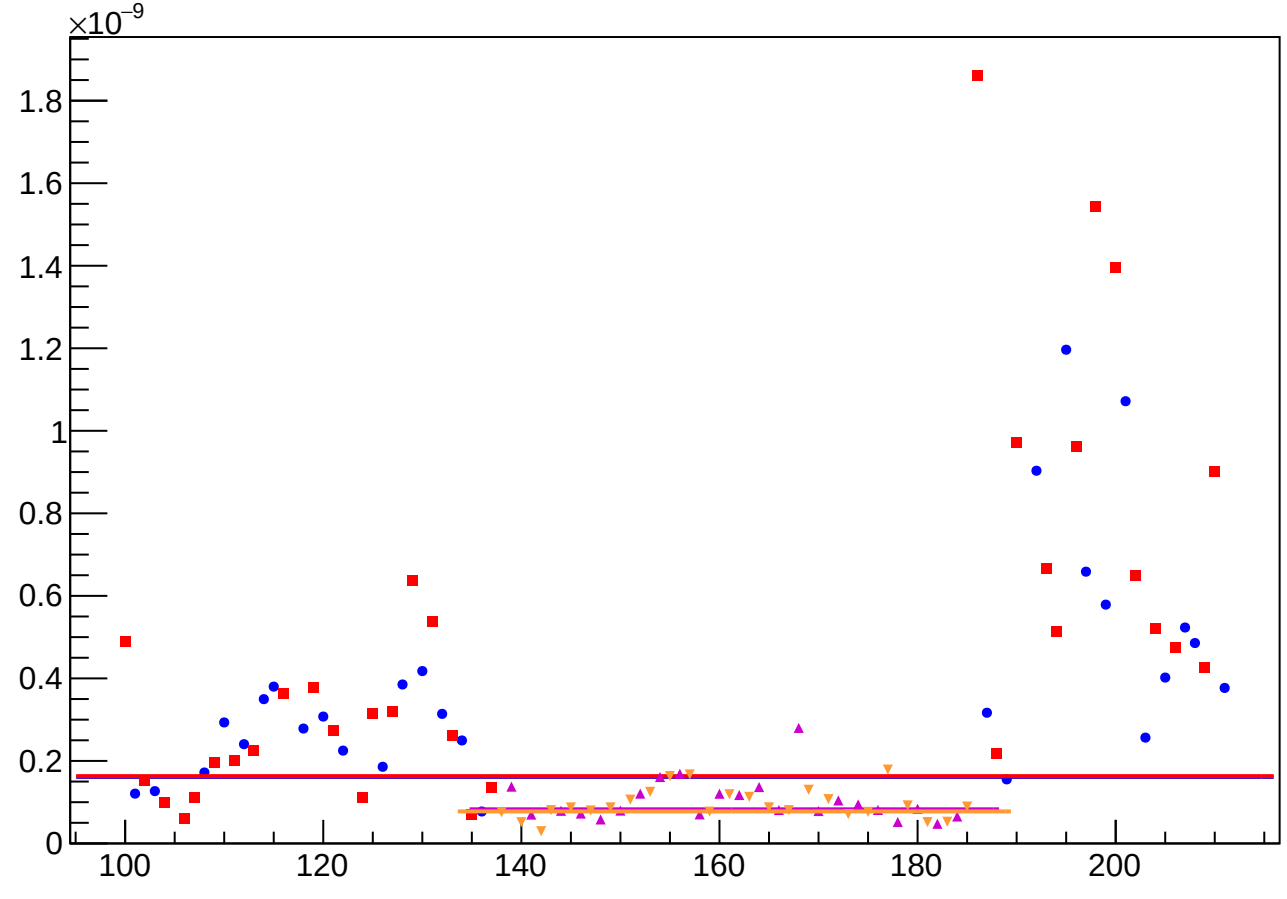
Left: -0.000+/-0.000 χ^2/NDF: 36.7/47

Right: 0.000+/-0.000 χ^2/NDF: 70.9/59

In: -0.000+/-0.000 χ^2/NDF:51.5/50

Out: 0.000+/-0.000 χ^2/NDF:56.2/56

All: -0.000+/-0.000 χ^2/NDF: 111.0/107



Right In: 0.000+/-0.000 χ^2/NDF: 5347426.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7178048.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

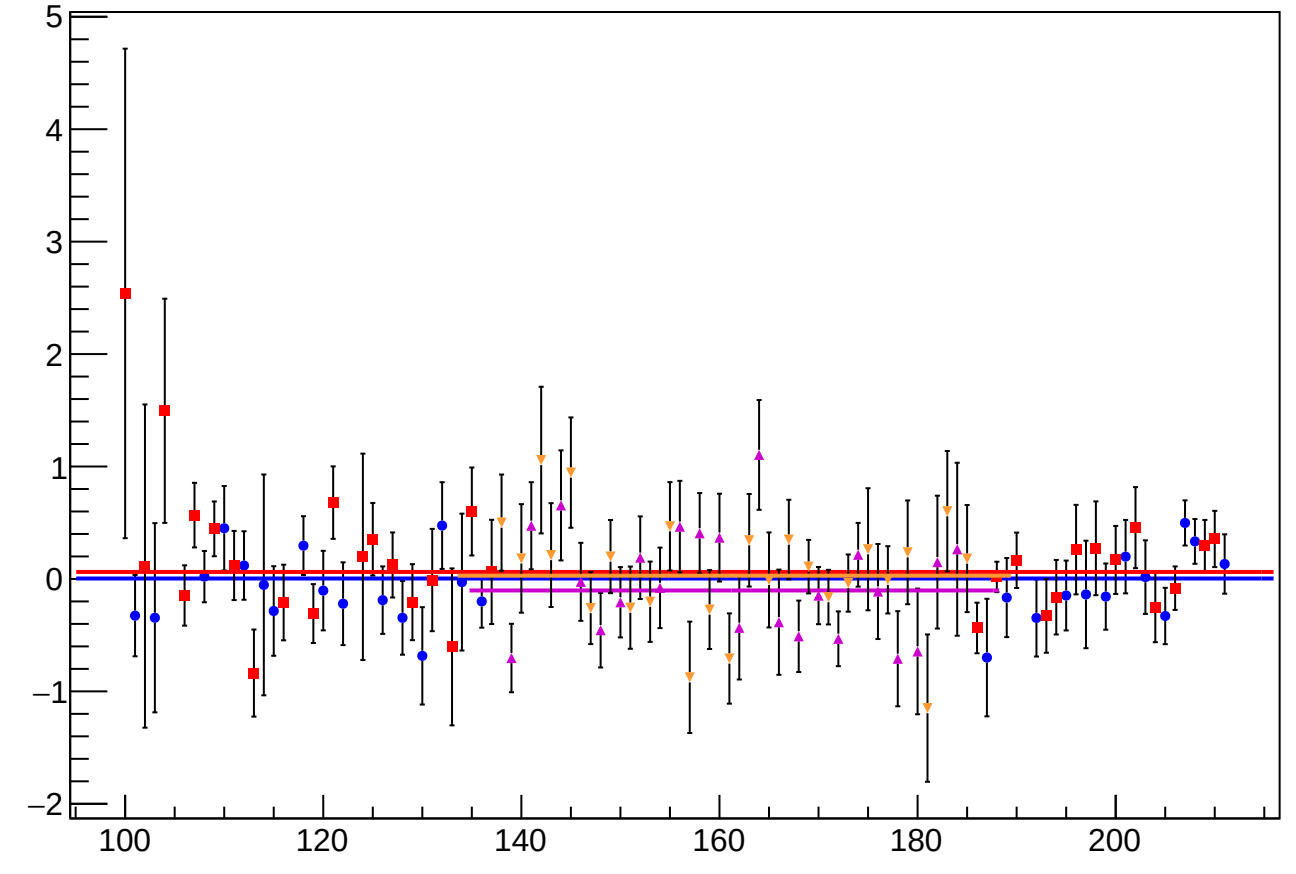
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12525911.8/59

In: 0.000+/-0.000 χ^2/NDF:8492627.5/50

Out: 0.000+/-0.000 χ^2/NDF:10601465.4/56

All: 0.000+/-0.000 χ^2/NDF: 19138404.8/107



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

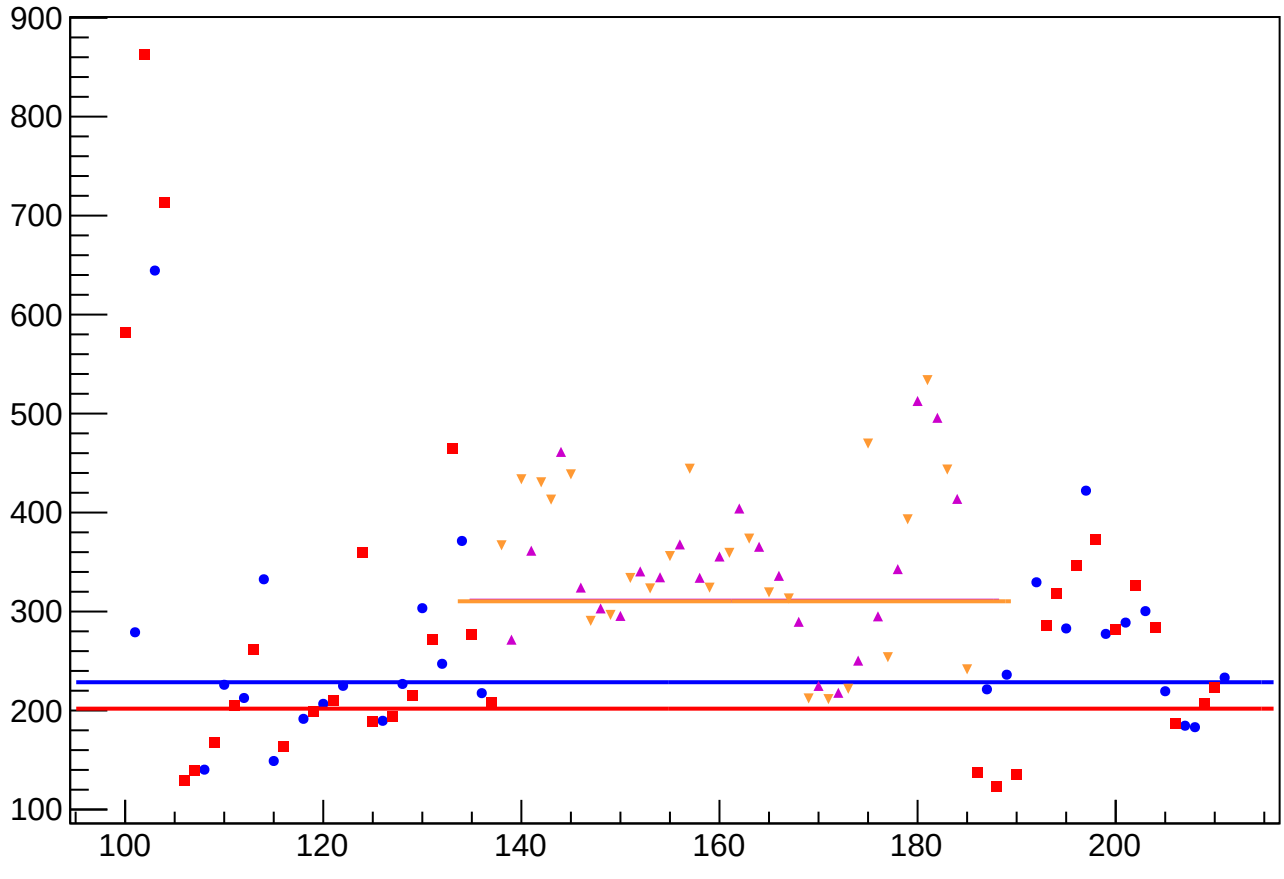
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.036+/-0.040 χ^2/NDF: 65.1/59

In: -0.036+/-0.047 χ^2/NDF:59.5/50

Out: 0.051+/-0.043 χ^2/NDF:64.0/56

All: 0.011+/-0.032 χ^2/NDF: 125.4/107



Right In: 228.586+/-0.042 χ^2/NDF: 2181186.9/27

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.885+/-0.037 χ^2/NDF: 4355110.4/31

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

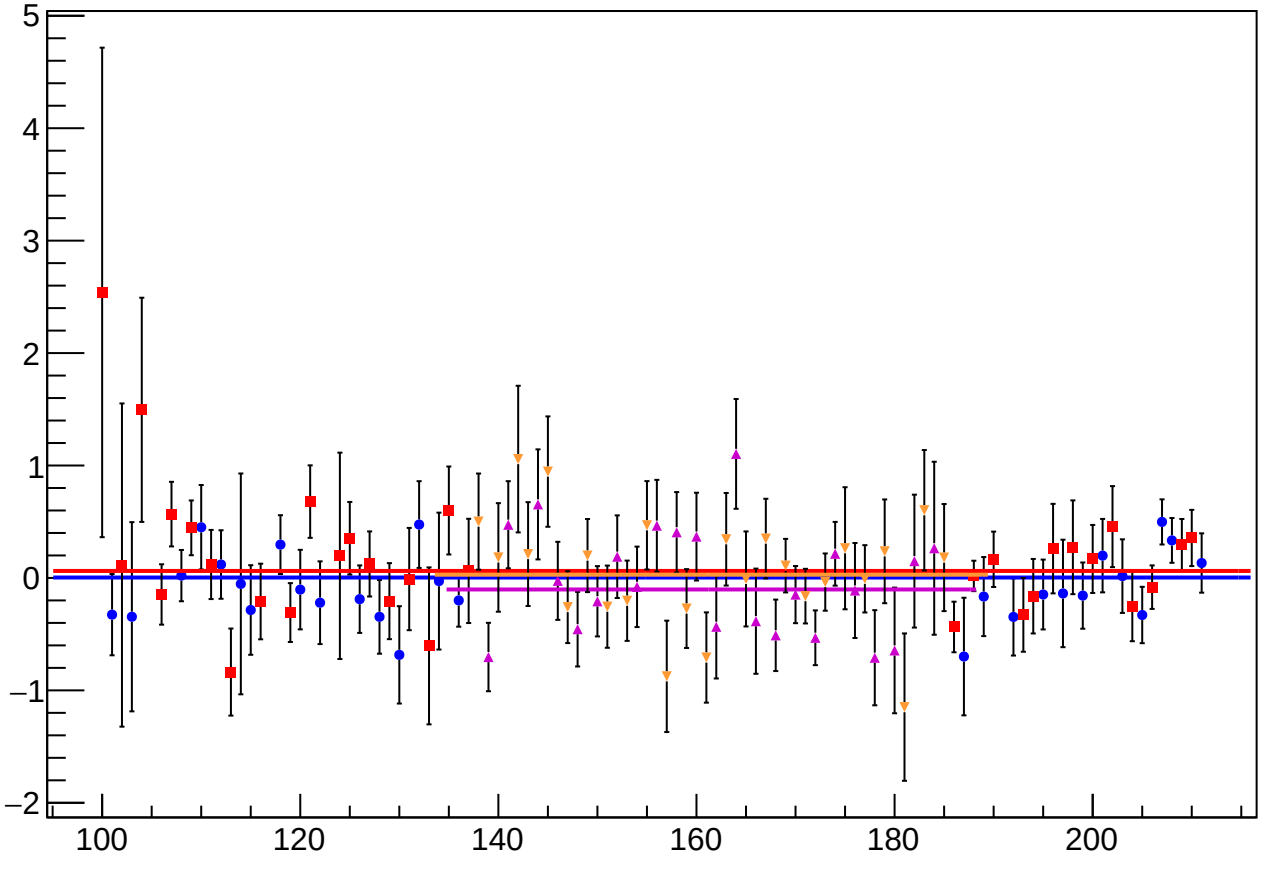
Right: 213.680+/-0.028 χ^2/NDF: 6761076.3/59

In: 259.764+/-0.033 χ^2/NDF:5232127.8/50

Out: 238.169+/-0.031 χ^2/NDF:9527318.3/56

All: 248.075+/-0.022 χ^2/NDF: 14988852.9/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

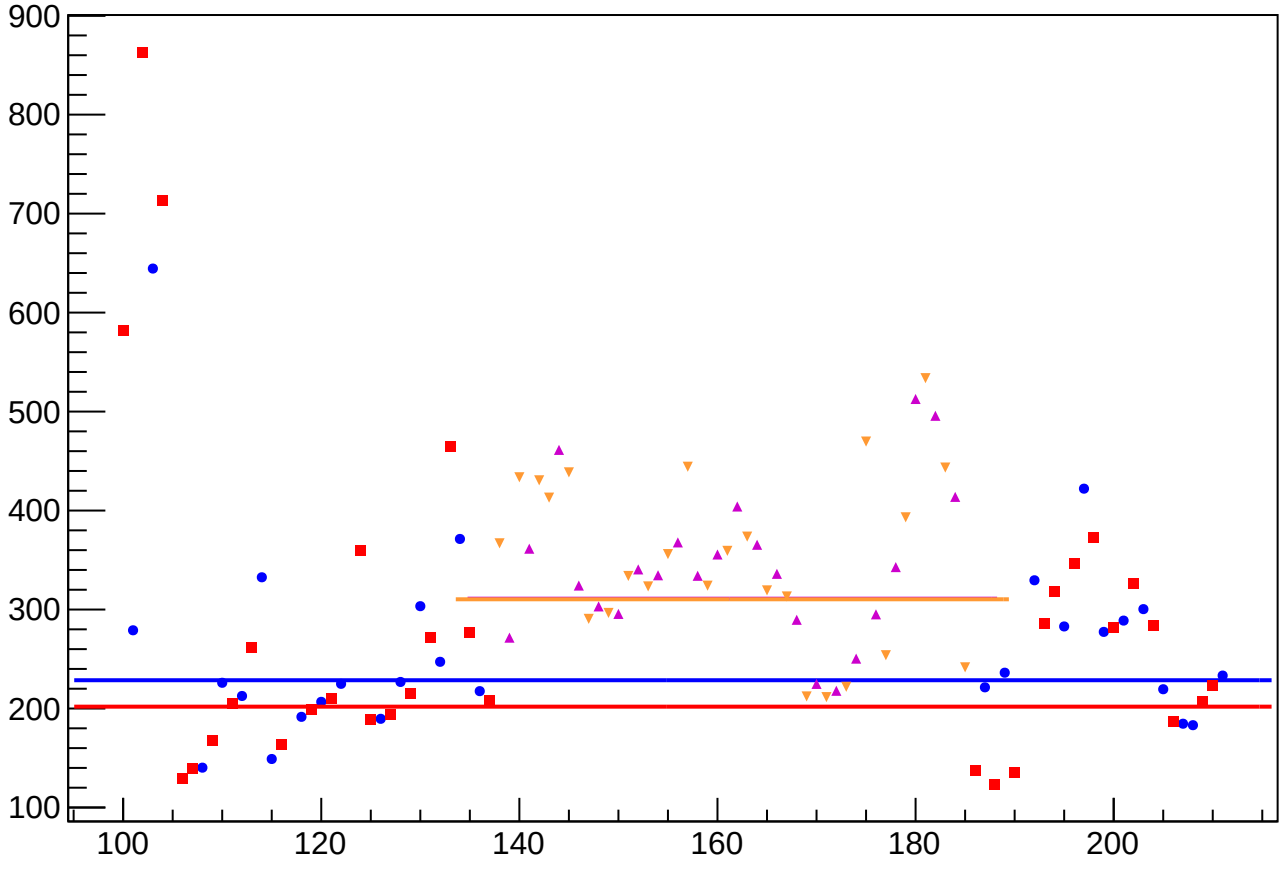
Right: 0.036+/-0.040 χ^2/NDF: 65.1/59

In: -0.036+/-0.047 χ^2/NDF:59.5/50

Out: 0.051+/-0.043 χ^2/NDF:64.0/56

All: 0.011+/-0.032 χ^2/NDF: 125.4/107

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 228.586+/-0.042 χ^2/NDF: 2181186.9/27

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.885+/-0.037 χ^2/NDF: 4355110.4/31

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

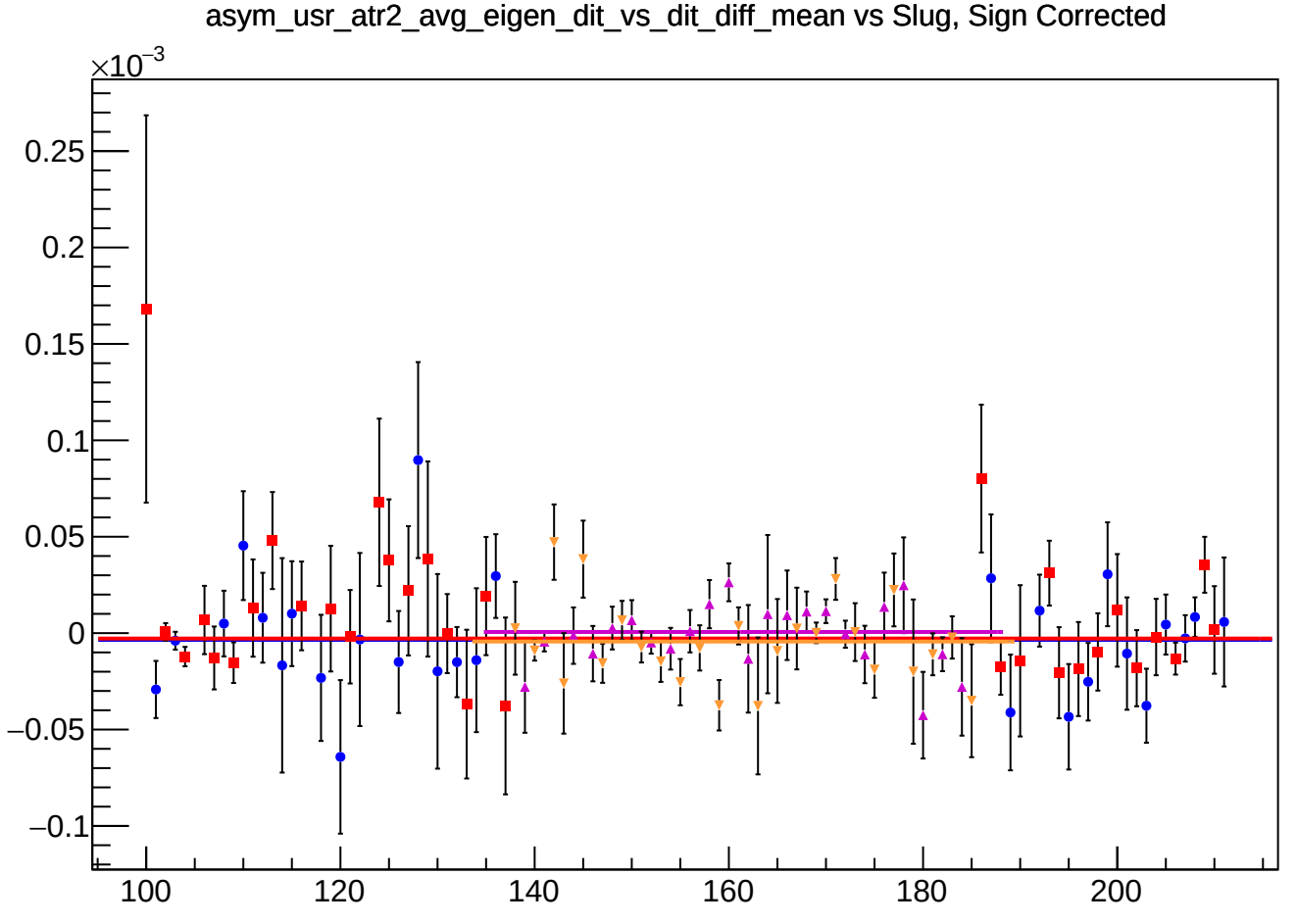
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 213.680+/-0.028 χ^2/NDF: 6761076.3/59

In: 259.764+/-0.033 χ^2/NDF:5232127.8/50

Out: 238.169+/-0.031 χ^2/NDF:9527318.3/56

All: 248.075+/-0.022 χ^2/NDF: 14988852.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/31

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

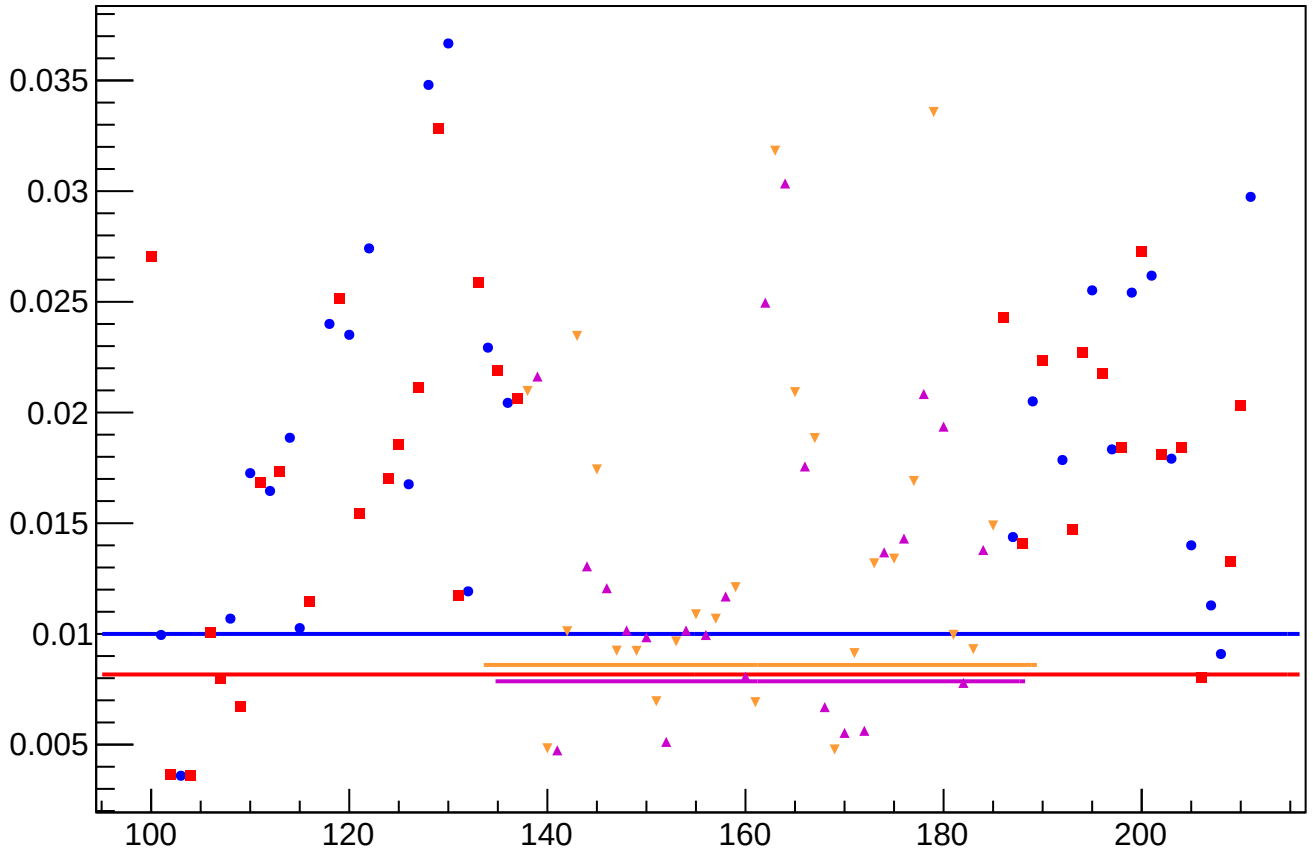
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.0/59

In: -0.000+/-0.000 χ^2/NDF:56.7/50

Out: -0.000+/-0.000 χ^2/NDF:84.5/56

All: -0.000+/-0.000 χ^2/NDF: 142.6/107



Right In: 0.010+/-0.000 χ^2/NDF: 11066581.3/27

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12967571.1/31

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

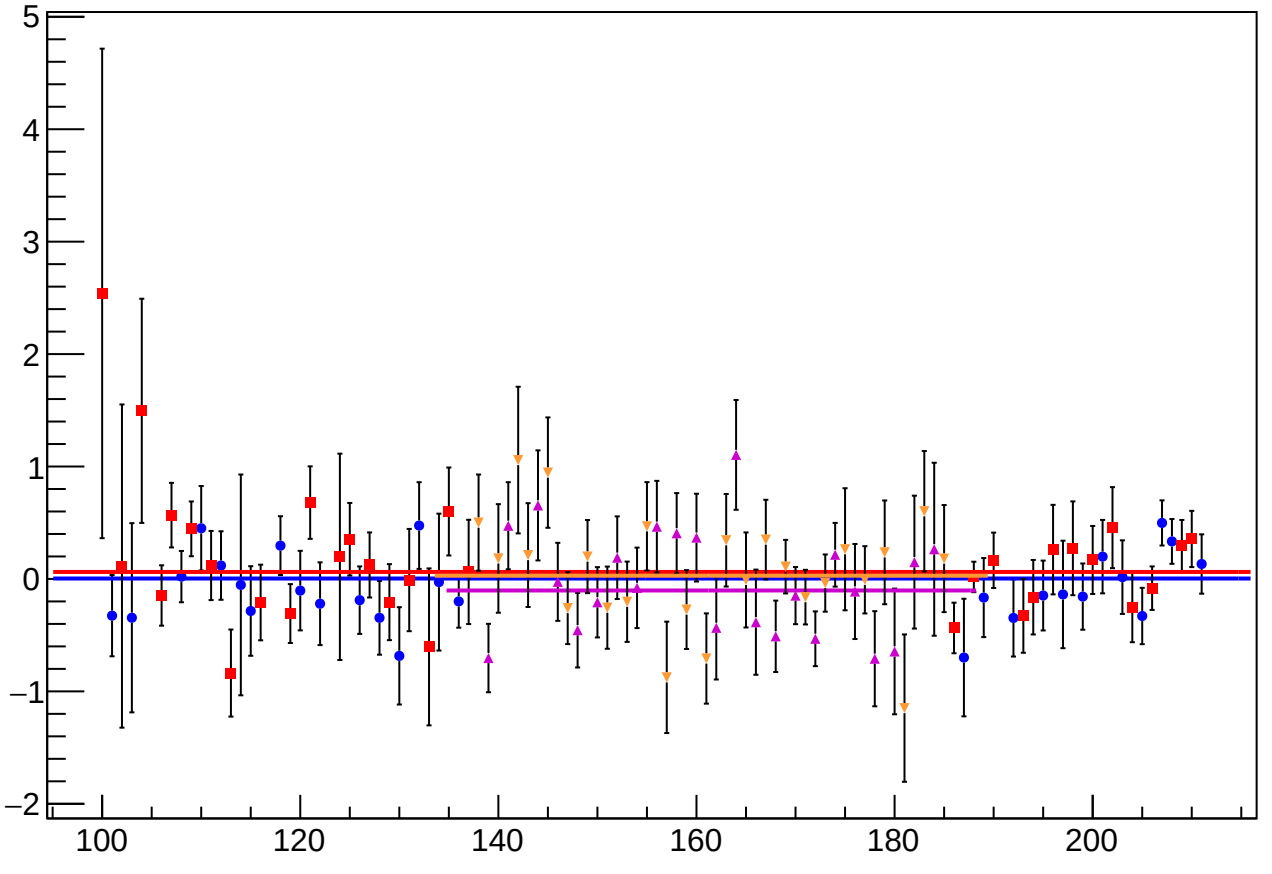
Right: 0.009+/-0.000 χ^2/NDF: 24461900.4/59

In: 0.009+/-0.000 χ^2/NDF:18494477.7/50

Out: 0.008+/-0.000 χ^2/NDF:20654308.6/56

All: 0.008+/-0.000 χ^2/NDF: 39156760.7/107

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

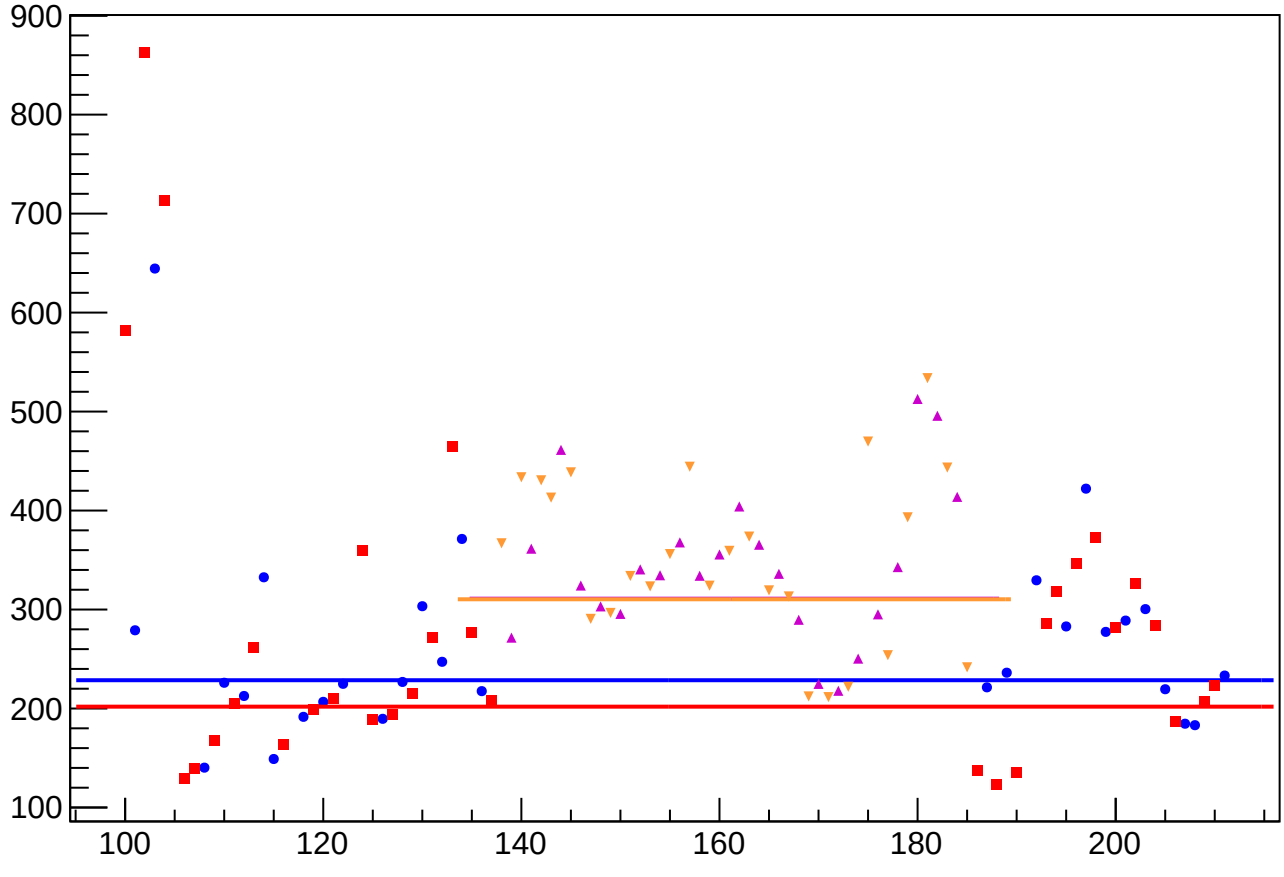
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.036+/-0.040 χ^2/NDF: 65.1/59

In: -0.036+/-0.047 χ^2/NDF:59.5/50

Out: 0.051+/-0.043 χ^2/NDF:64.0/56

All: 0.011+/-0.032 χ^2/NDF: 125.4/107



Right In: 228.586+/-0.042 χ^2/NDF: 2181181.1/27

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.882+/-0.037 χ^2/NDF: 4355266.9/31

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

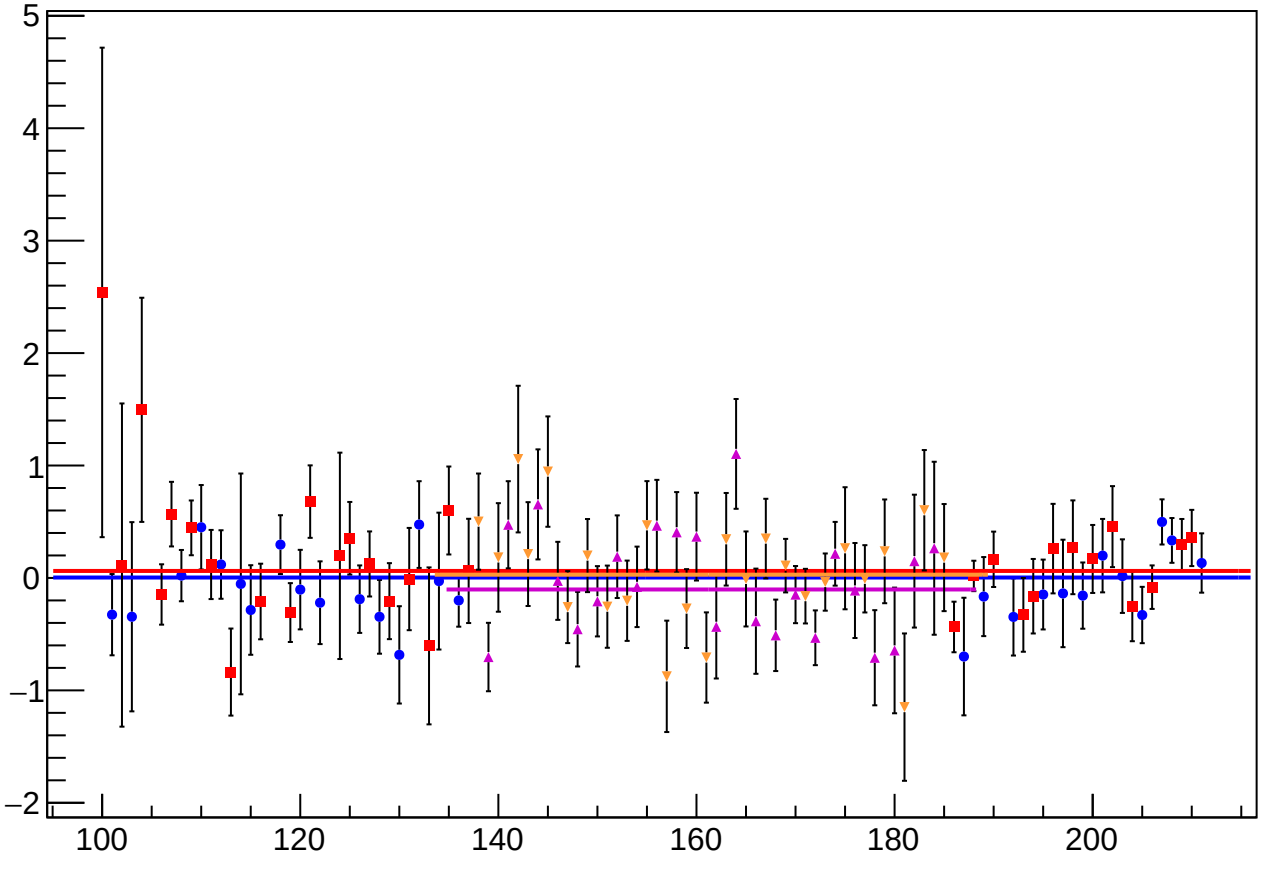
Right: 213.679+/-0.028 χ^2/NDF: 6761270.7/59

In: 259.765+/-0.033 χ^2/NDF:5232252.1/50

Out: 238.168+/-0.031 χ^2/NDF:9527809.2/56

All: 248.074+/-0.022 χ^2/NDF: 14989518.4/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.060 χ^2/NDF: 26.0/27

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 38.6/31

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

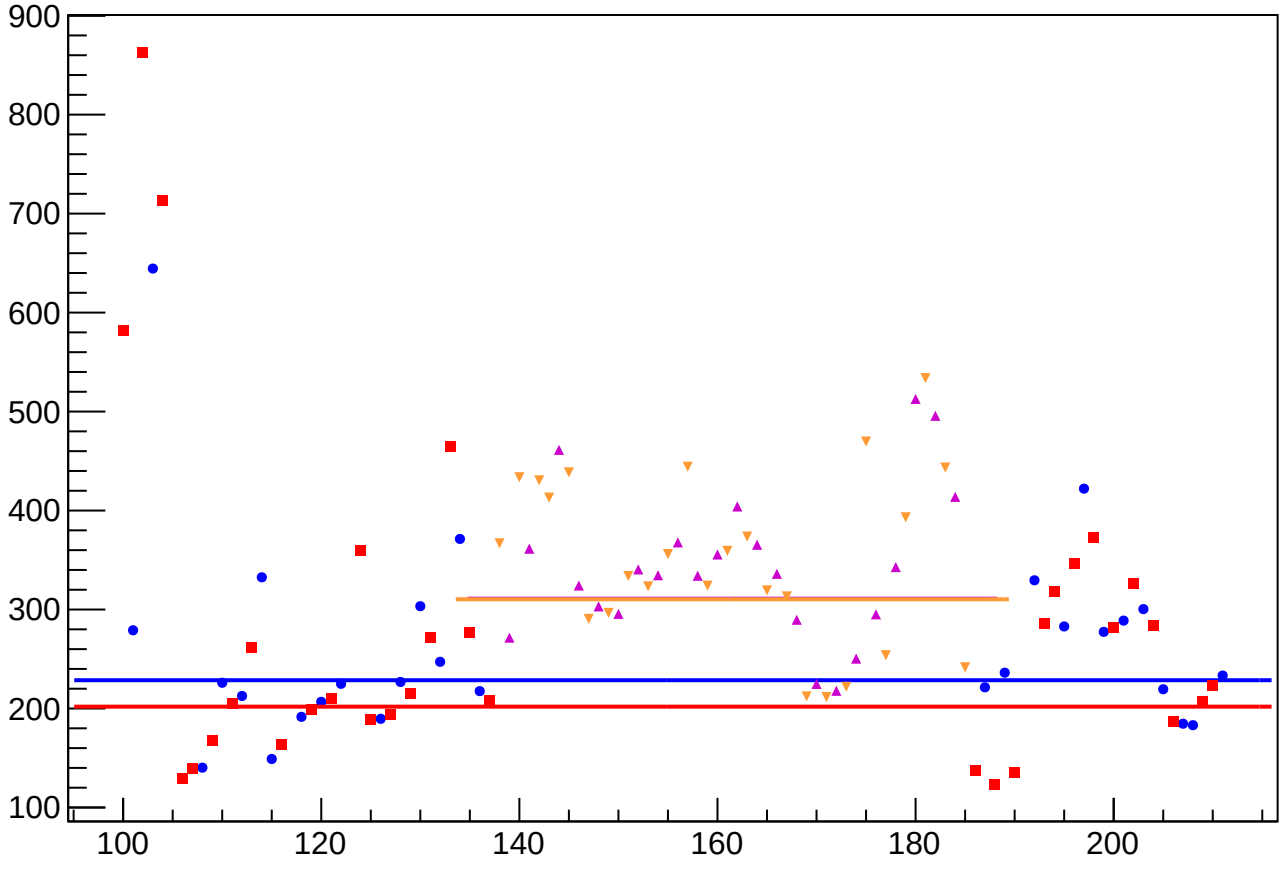
Right: 0.036+/-0.040 χ^2/NDF: 65.1/59

In: -0.036+/-0.047 χ^2/NDF:59.5/50

Out: 0.051+/-0.043 χ^2/NDF:64.0/56

All: 0.011+/-0.032 χ^2/NDF: 125.4/107

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 228.586+/-0.042 χ^2/NDF: 2181181.1/27

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.882+/-0.037 χ^2/NDF: 4355266.9/31

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

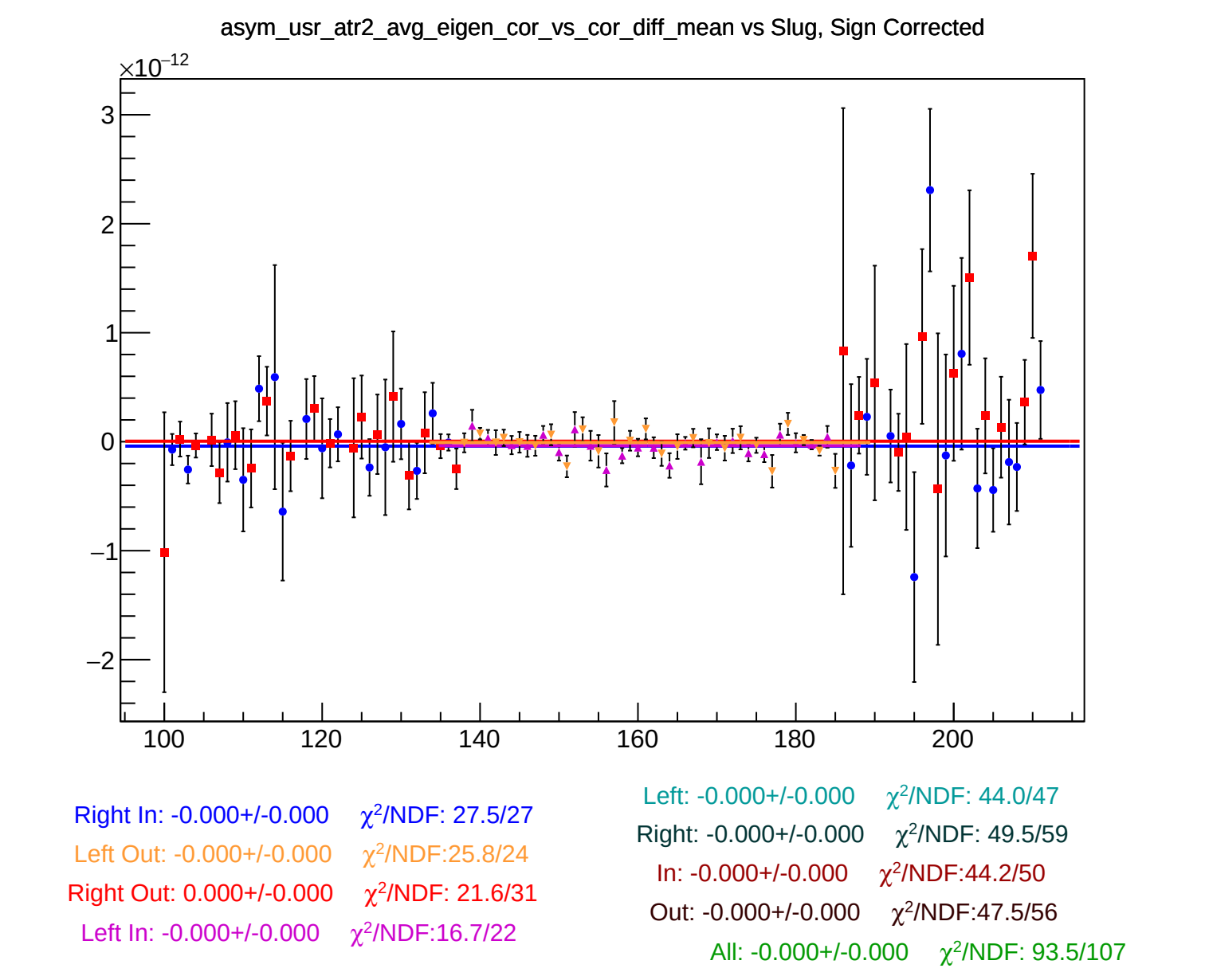
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

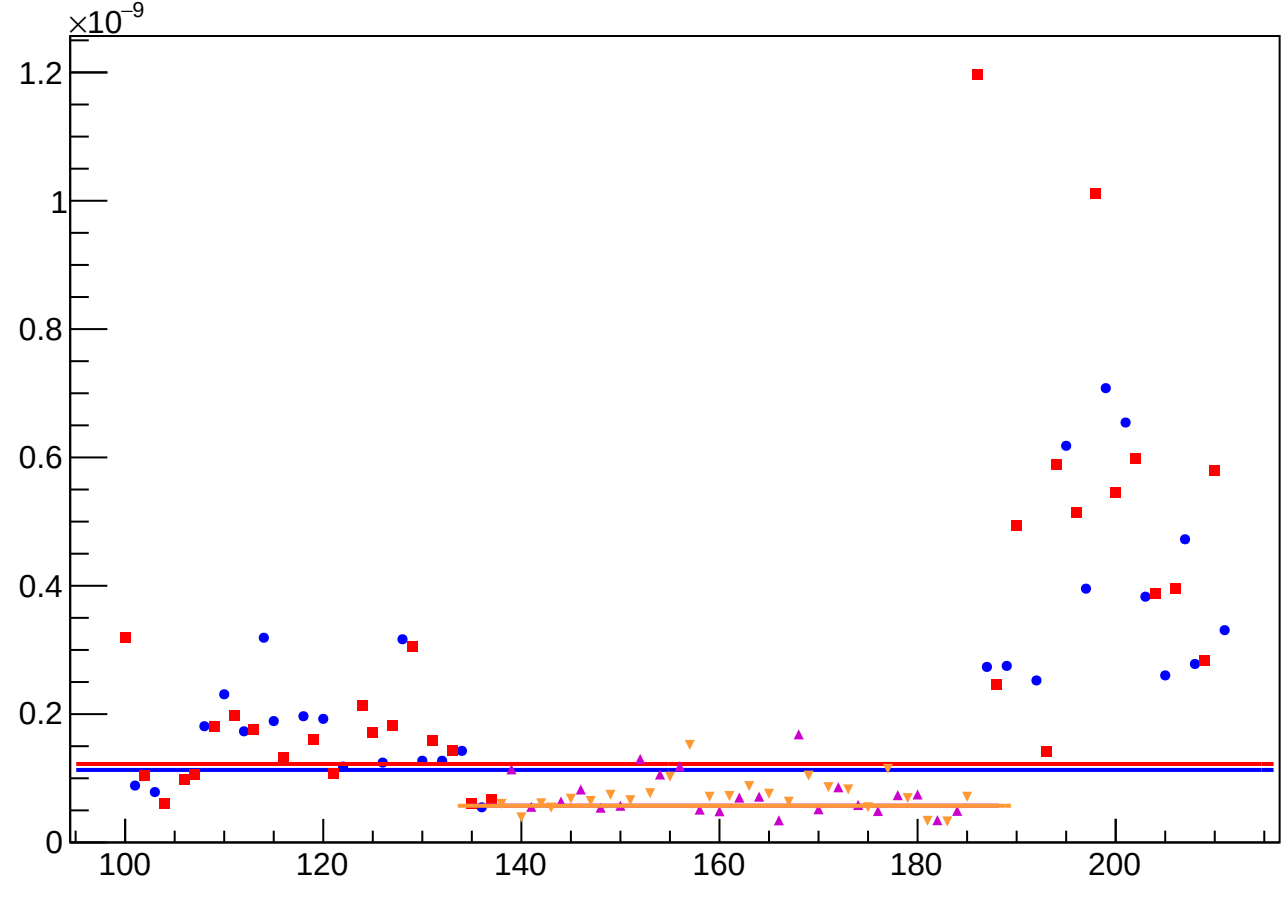
Right: 213.679+/-0.028 χ^2/NDF: 6761270.7/59

In: 259.765+/-0.033 χ^2/NDF:5232252.1/50

Out: 238.168+/-0.031 χ^2/NDF:9527809.2/56

All: 248.074+/-0.022 χ^2/NDF: 14989518.4/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/27
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/31
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: 49.5/59
In: -0.000+/-0.000 χ²/NDF:44.2/50
Out: -0.000+/-0.000 χ²/NDF:47.5/56
All: -0.000+/-0.000 χ²/NDF: 93.5/107



Right In: 0.000+/-0.000 χ^2/NDF: 7516535.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8484633.8/31

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

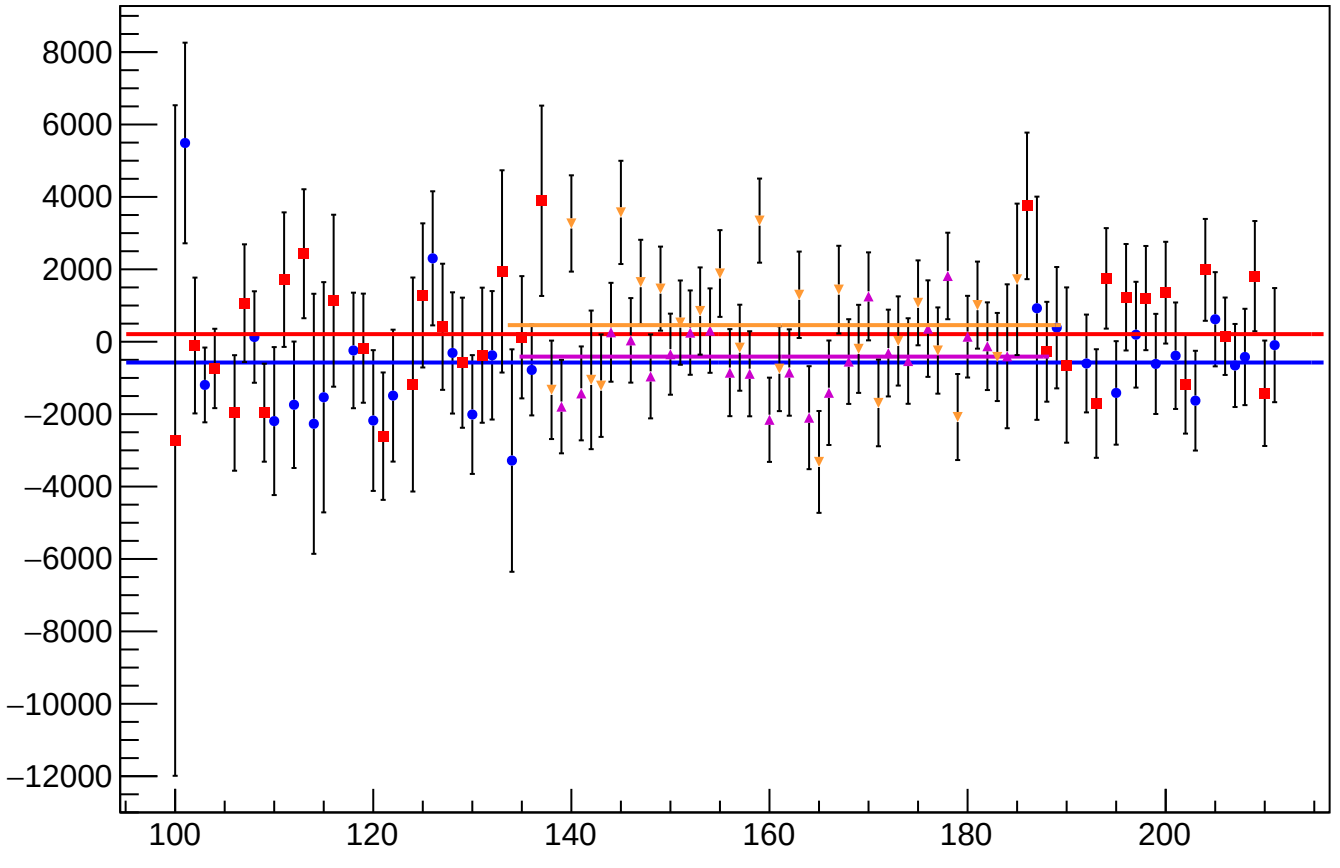
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16037934.8/59

In: 0.000+/-0.000 χ^2/NDF:13222293.8/50

Out: 0.000+/-0.000 χ^2/NDF:14922356.4/56

All: 0.000+/-0.000 χ^2/NDF: 28144751.7/107



Right In: -573.945+/-297.848 χ^2/NDF: 14.6/27

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 210.158+/-287.100 χ^2/NDF: 26.6/31

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

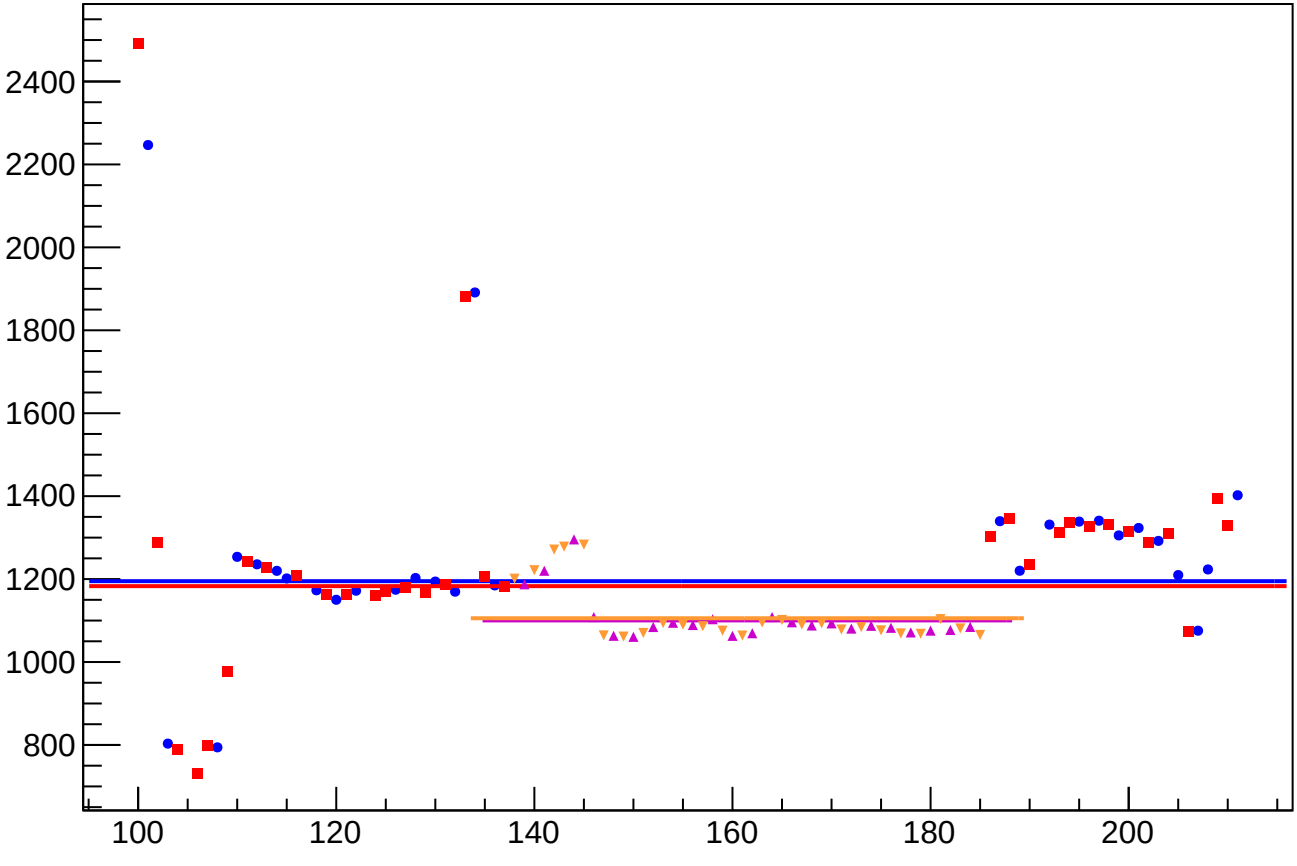
Right: -167.491+/-206.706 χ^2/NDF: 44.7/59

In: -480.754+/-194.666 χ^2/NDF:28.4/50

Out: 350.814+/-189.195 χ^2/NDF:69.1/56

All: -53.122+/-135.674 χ^2/NDF: 106.9/107

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1194.963+/-0.211 χ^2/NDF: 1045906.9/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.980+/-0.202 χ^2/NDF: 1032536.6/31

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

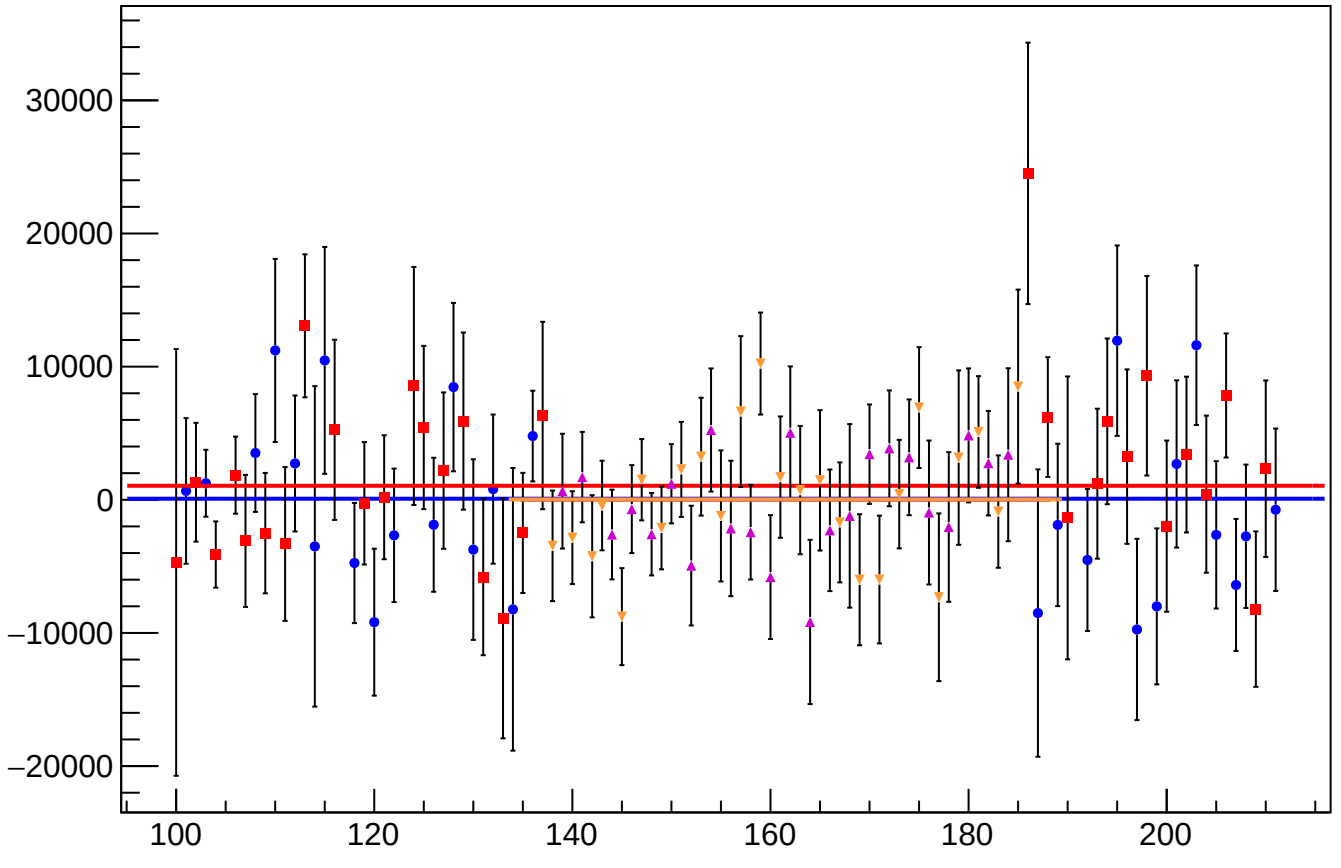
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1188.727+/-0.146 χ^2/NDF: 2080128.1/59

In: 1140.765+/-0.138 χ^2/NDF:1241751.5/50

Out: 1139.329+/-0.134 χ^2/NDF:1237166.2/56

All: 1140.025+/-0.096 χ^2/NDF: 2478973.7/10



Right In: 80.154+/-1006.639 χ^2/NDF: 28.7/27

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1053.377+/-931.128 χ^2/NDF: 31.5/31

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

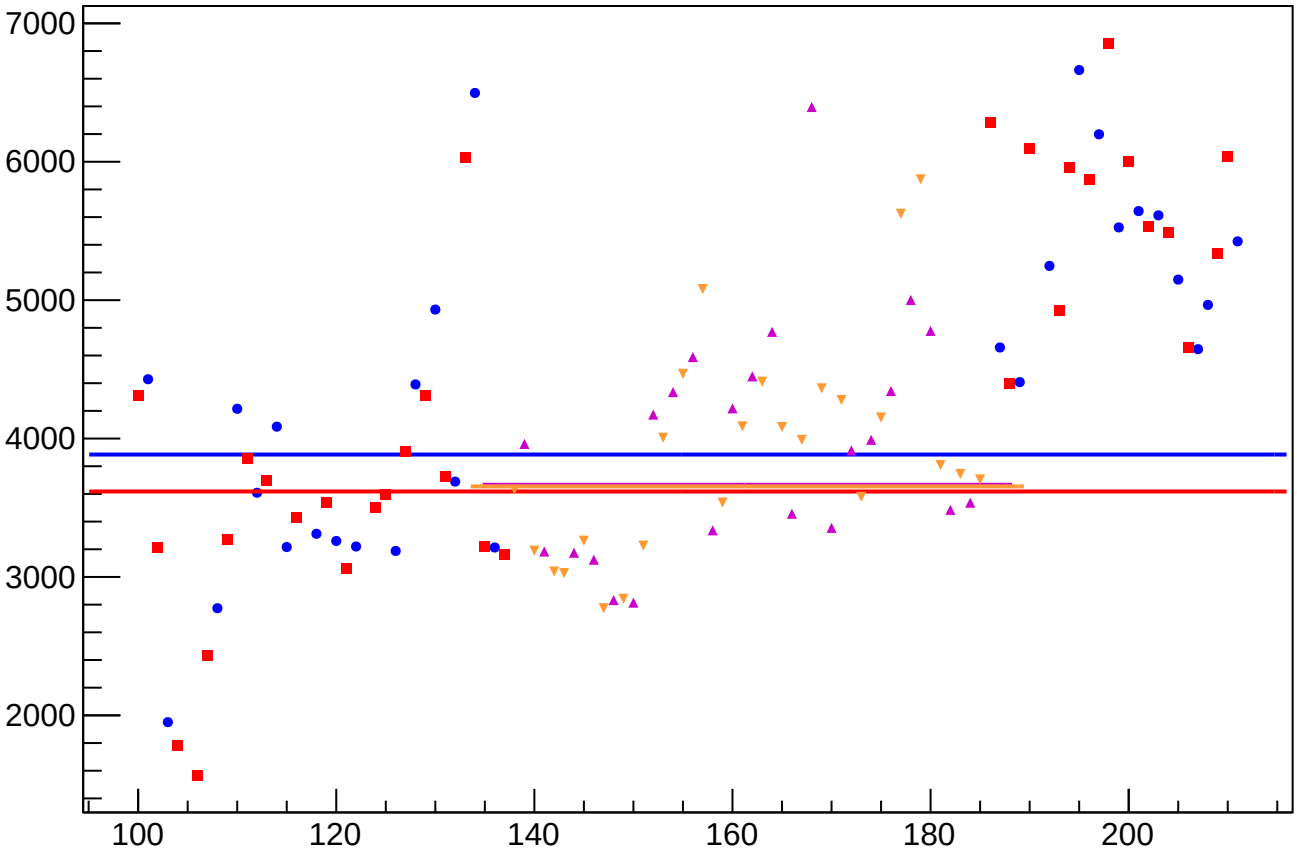
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 604.632+/-683.545 χ^2/NDF: 60.7/59

In: 38.105+/-660.500 χ^2/NDF:42.7/50

Out: 491.797+/-627.929 χ^2/NDF:60.7/56

All: 276.413+/-455.092 χ^2/NDF: 103.6/107



Right In: 3884.573+/-0.712 χ^2/NDF: 3275466.9/27

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3617.532+/-0.658 χ^2/NDF: 5016678.6/31

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

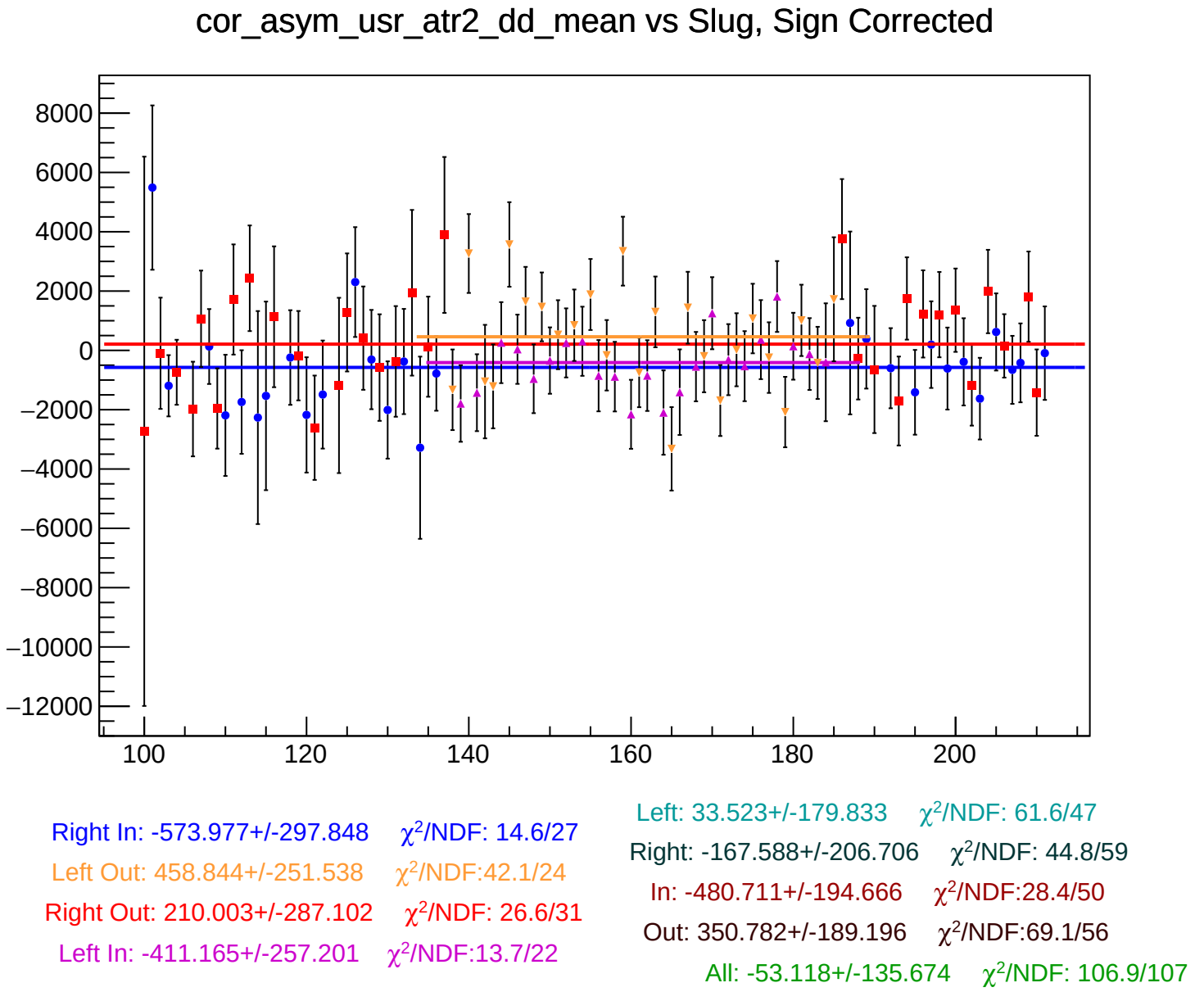
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

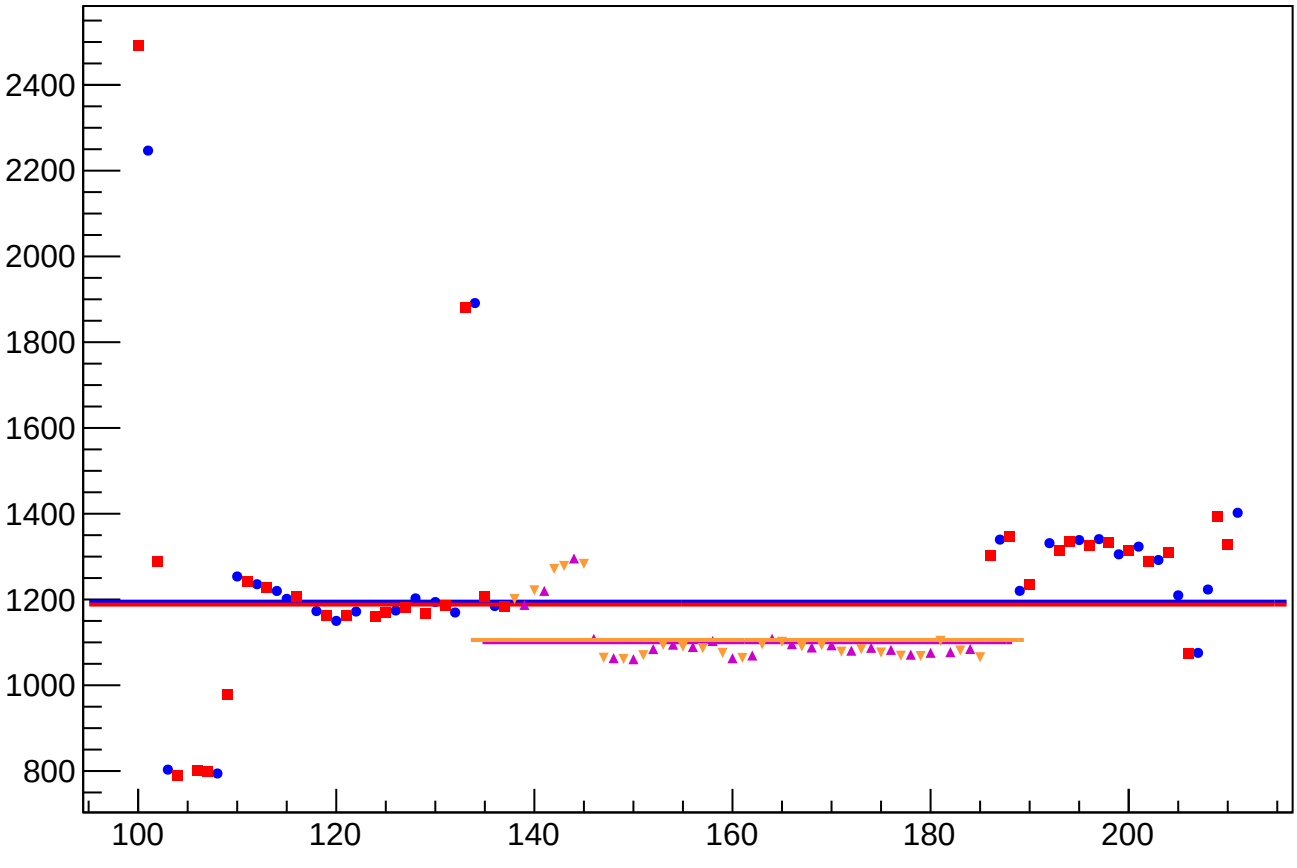
Right: 3740.662+/-0.483 χ^2/NDF: 8367995.2/59

In: 3760.168+/-0.467 χ^2/NDF:4672815.4/50

Out: 3637.523+/-0.444 χ^2/NDF:6330131.1/56

All: 3695.747+/-0.322 χ^2/NDF: 11039167.7/1


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: -573.977+/-297.848 χ²/NDF: 14.6/27
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 210.003+/-287.102 χ²/NDF: 26.6/31
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -167.588+/-206.706 χ²/NDF: 44.8/59
In: -480.711+/-194.666 χ²/NDF:28.4/50
Out: 350.782+/-189.196 χ²/NDF:69.1/56
All: -53.118+/-135.674 χ²/NDF: 106.9/107



Right In: 1194.963+/-0.211 χ^2/NDF: 1045902.4/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1188.187+/-0.203 χ^2/NDF: 952659.7/31

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

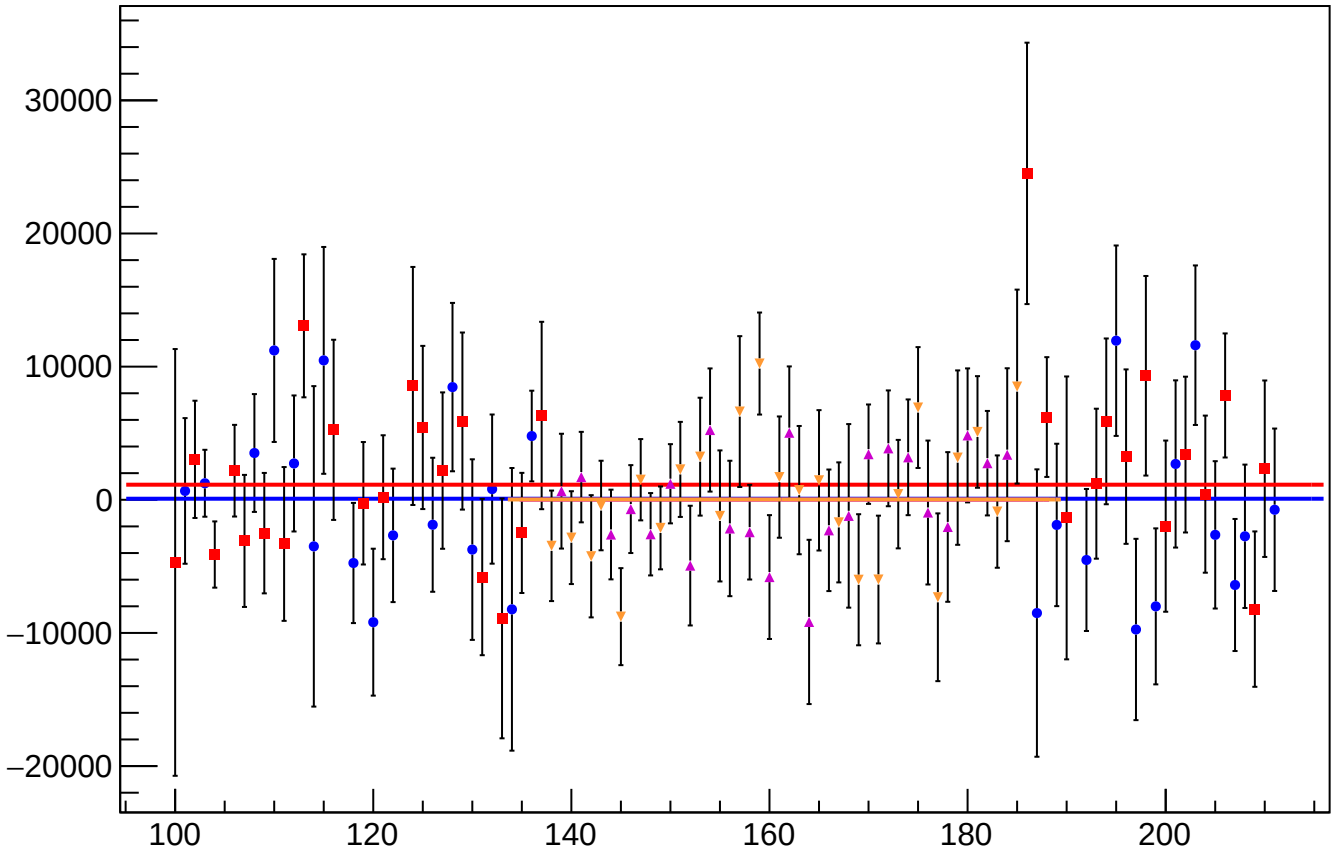
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1191.447+/-0.146 χ^2/NDF: 1999099.2/59

In: 1140.765+/-0.138 χ^2/NDF:1241747.7/50

Out: 1141.474+/-0.134 χ^2/NDF:1168451.3/56

All: 1141.129+/-0.096 χ^2/NDF: 2410212.6/10



Right In: 79.727+/-1006.665 χ^2/NDF: 28.7/27

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1133.353+/-945.008 χ^2/NDF: 31.8/31

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

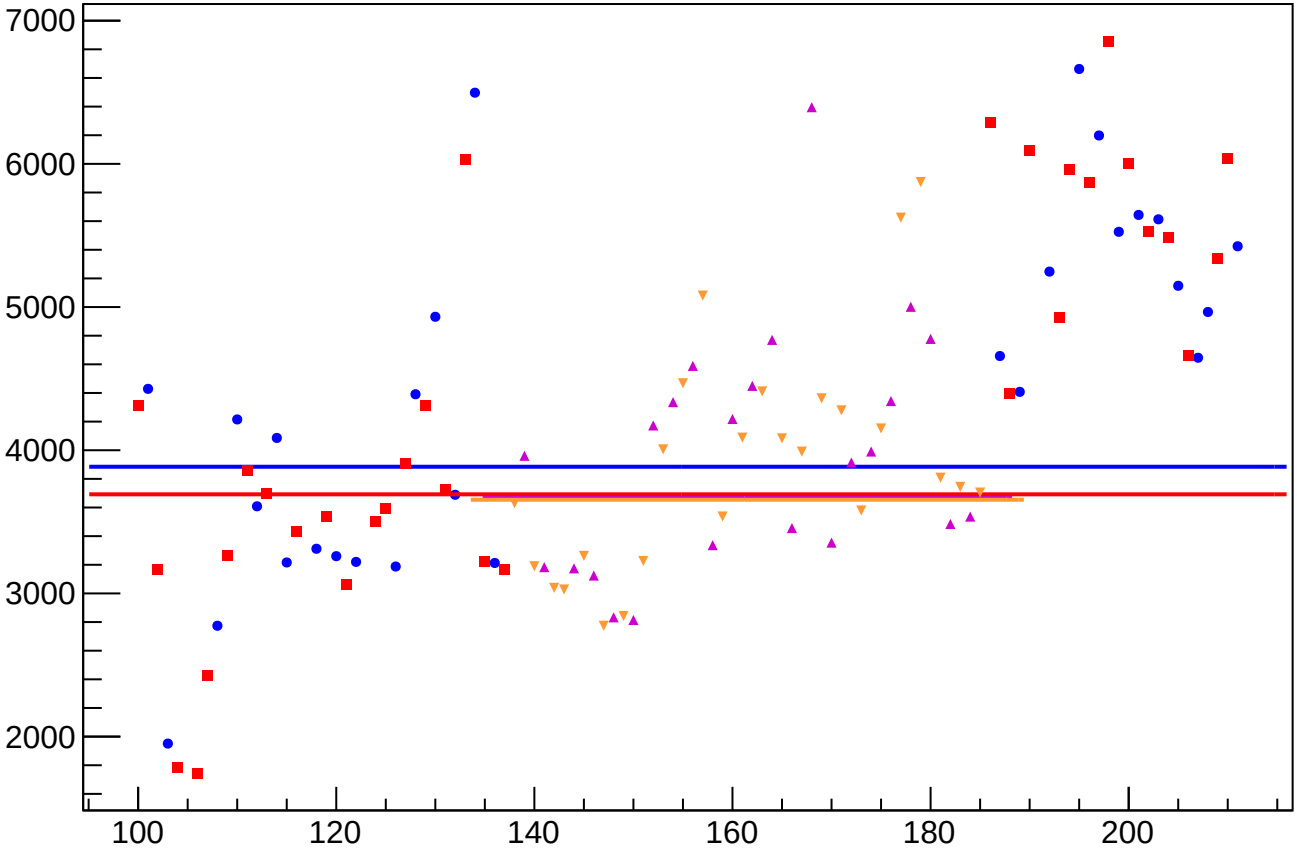
Right: 639.793+/-688.988 χ^2/NDF: 61.0/59

In: 37.950+/-660.507 χ^2/NDF:42.7/50

Out: 520.033+/-632.134 χ^2/NDF:61.0/56

All: 289.568+/-456.687 χ^2/NDF: 104.0/107

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3884.733+/-0.712 χ^2/NDF: 3274627.2/27

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3692.145+/-0.668 χ^2/NDF: 4596981.6/31

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

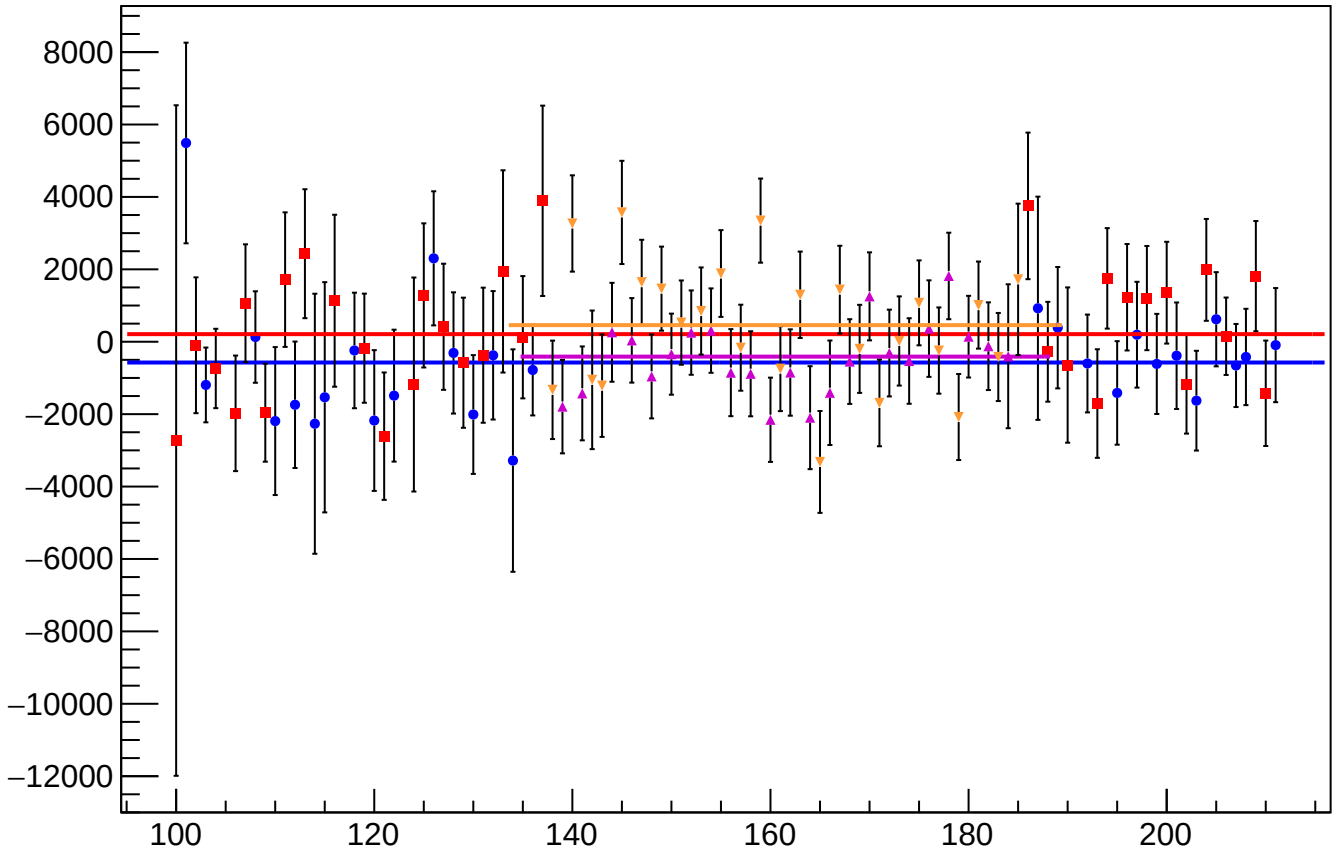
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3782.361+/-0.487 χ^2/NDF: 7910519.8/59

In: 3760.232+/-0.467 χ^2/NDF:4672056.9/50

Out: 3671.176+/-0.447 χ^2/NDF:5910533.1/56

All: 3713.750+/-0.323 χ^2/NDF: 10601566.8/1



Right In: -573.977+/-297.848 χ^2/NDF: 14.6/27

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 210.003+/-287.102 χ^2/NDF: 26.6/31

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

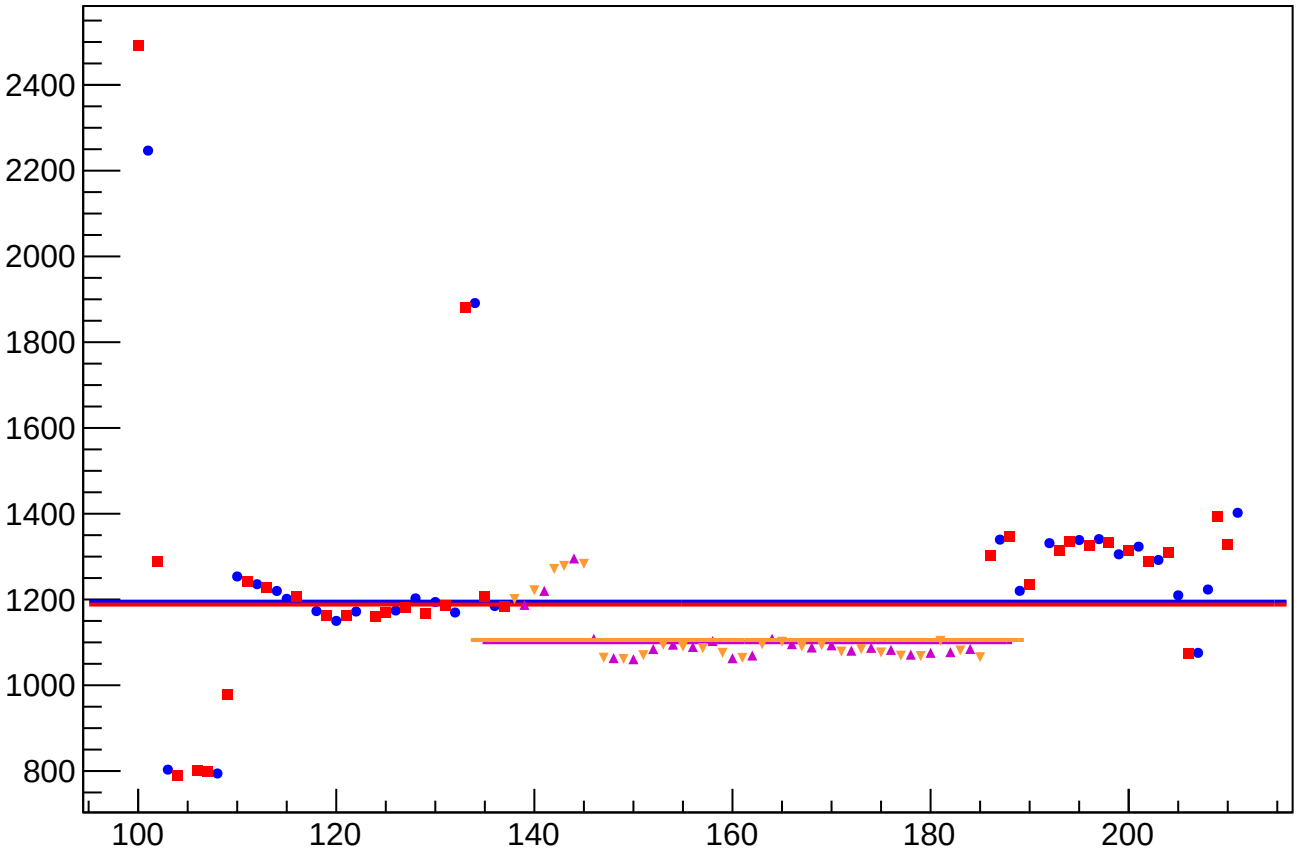
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -167.588+/-206.706 χ^2/NDF: 44.8/59

In: -480.711+/-194.666 χ^2/NDF:28.4/50

Out: 350.782+/-189.196 χ^2/NDF:69.1/56

All: -53.118+/-135.674 χ^2/NDF: 106.9/107



Right In: 1194.963+/-0.211 χ^2/NDF: 1045902.4/27

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1188.187+/-0.203 χ^2/NDF: 952659.7/31

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

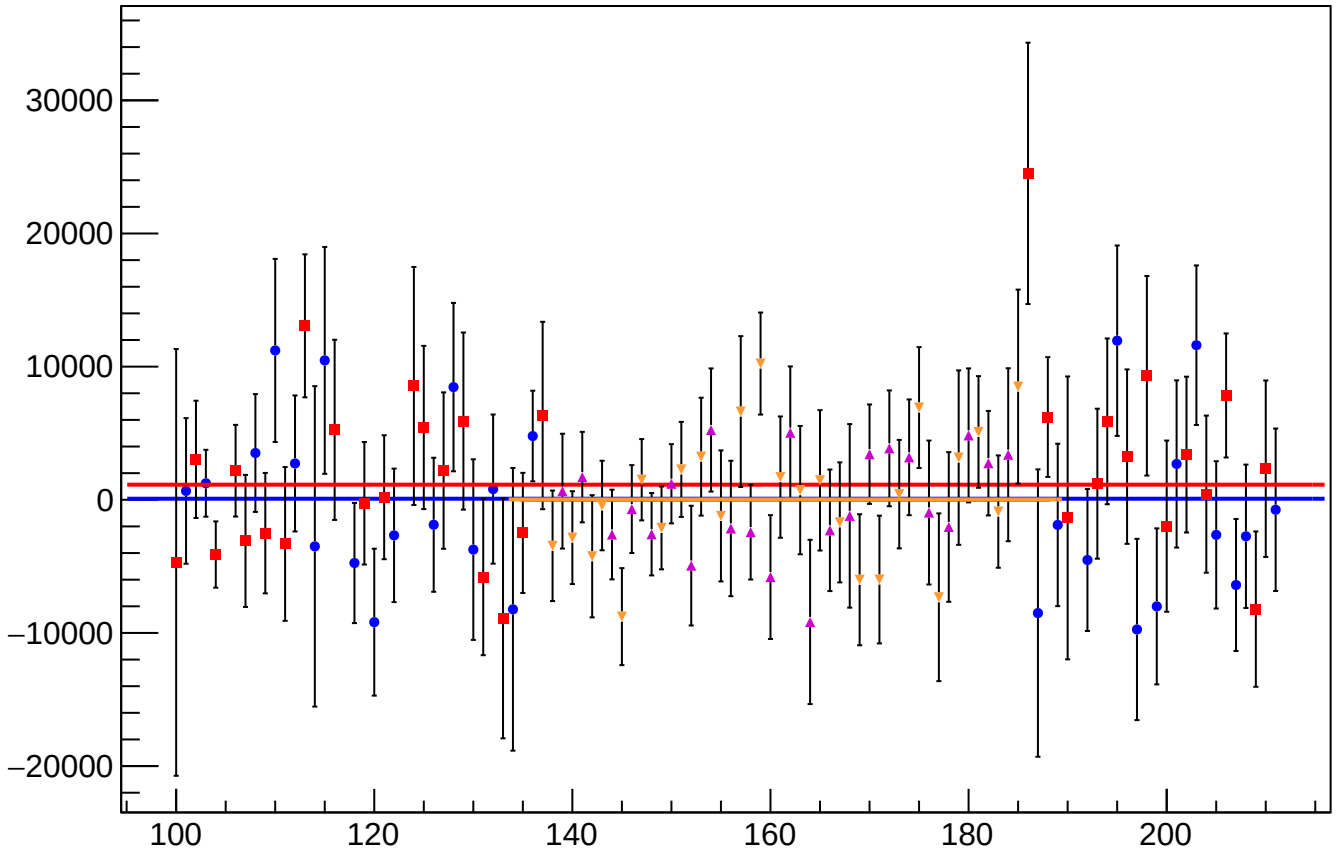
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1191.447+/-0.146 χ^2/NDF: 1999099.2/59

In: 1140.765+/-0.138 χ^2/NDF:1241747.7/50

Out: 1141.474+/-0.134 χ^2/NDF:1168451.3/56

All: 1141.129+/-0.096 χ^2/NDF: 2410212.6/10



Right In: 79.727+/-1006.665 χ^2/NDF: 28.7/27

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1133.353+/-945.008 χ^2/NDF: 31.8/31

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

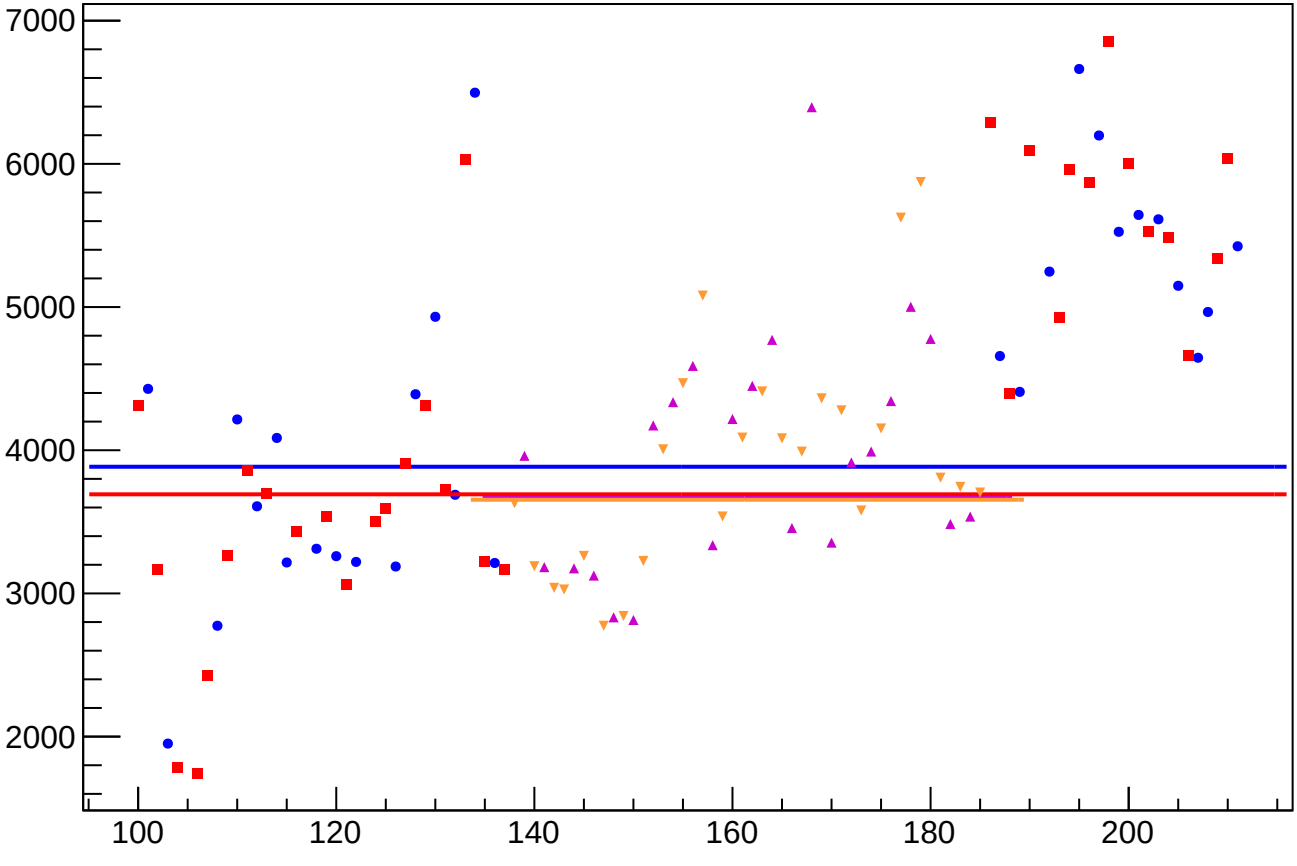
Right: 639.793+/-688.988 χ^2/NDF: 61.0/59

In: 37.950+/-660.507 χ^2/NDF:42.7/50

Out: 520.033+/-632.134 χ^2/NDF:61.0/56

All: 289.568+/-456.687 χ^2/NDF: 104.0/107

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3884.733+/-0.712 χ^2/NDF: 3274627.2/27

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3692.145+/-0.668 χ^2/NDF: 4596981.6/31

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

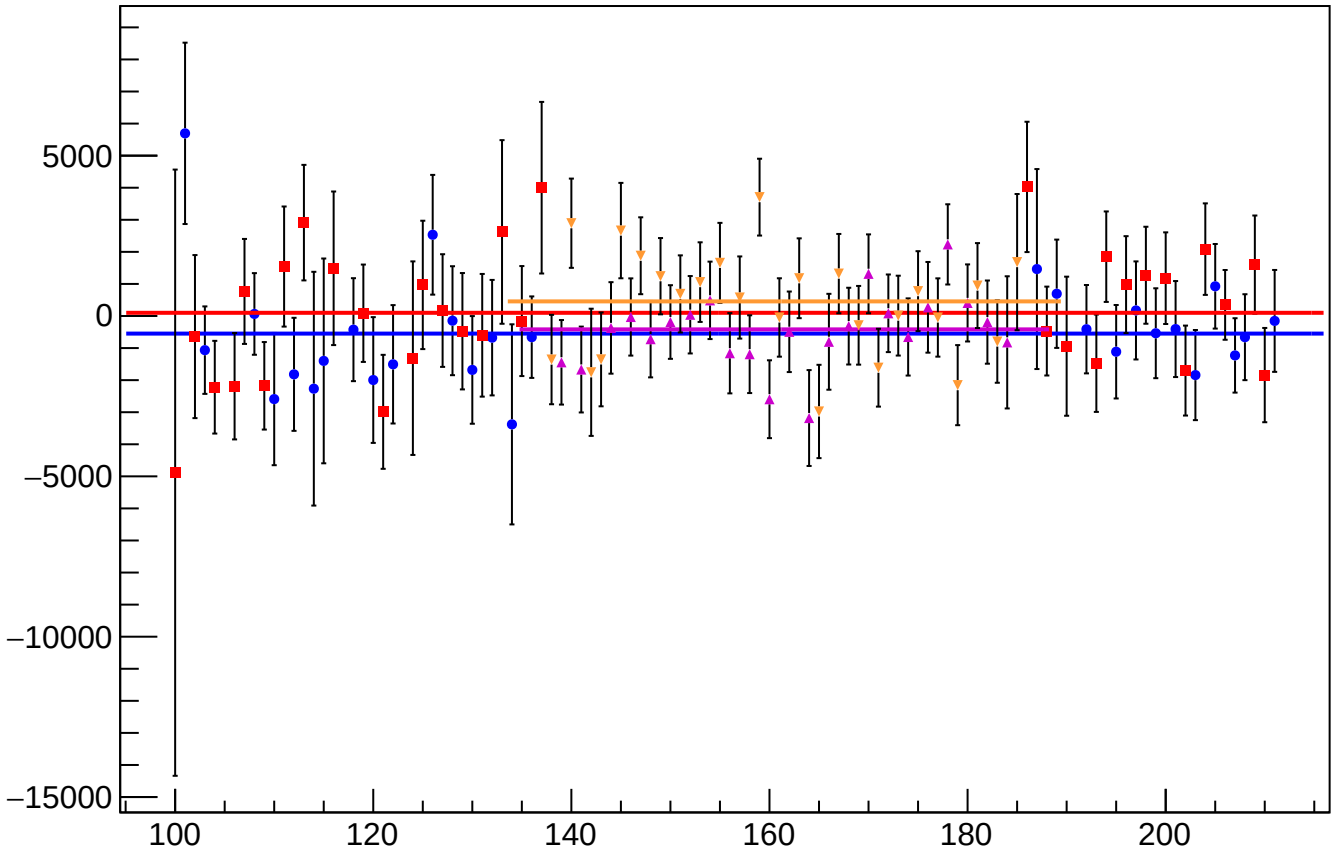
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3782.361+/-0.487 χ^2/NDF: 7910519.8/59

In: 3760.232+/-0.467 χ^2/NDF:4672056.9/50

Out: 3671.176+/-0.447 χ^2/NDF:5910533.1/56

All: 3713.750+/-0.323 χ^2/NDF: 10601566.8/1



Right In: -548.531+/-307.384 χ^2/NDF: 15.8/27

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 99.599+/-297.346 χ^2/NDF: 32.3/31

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

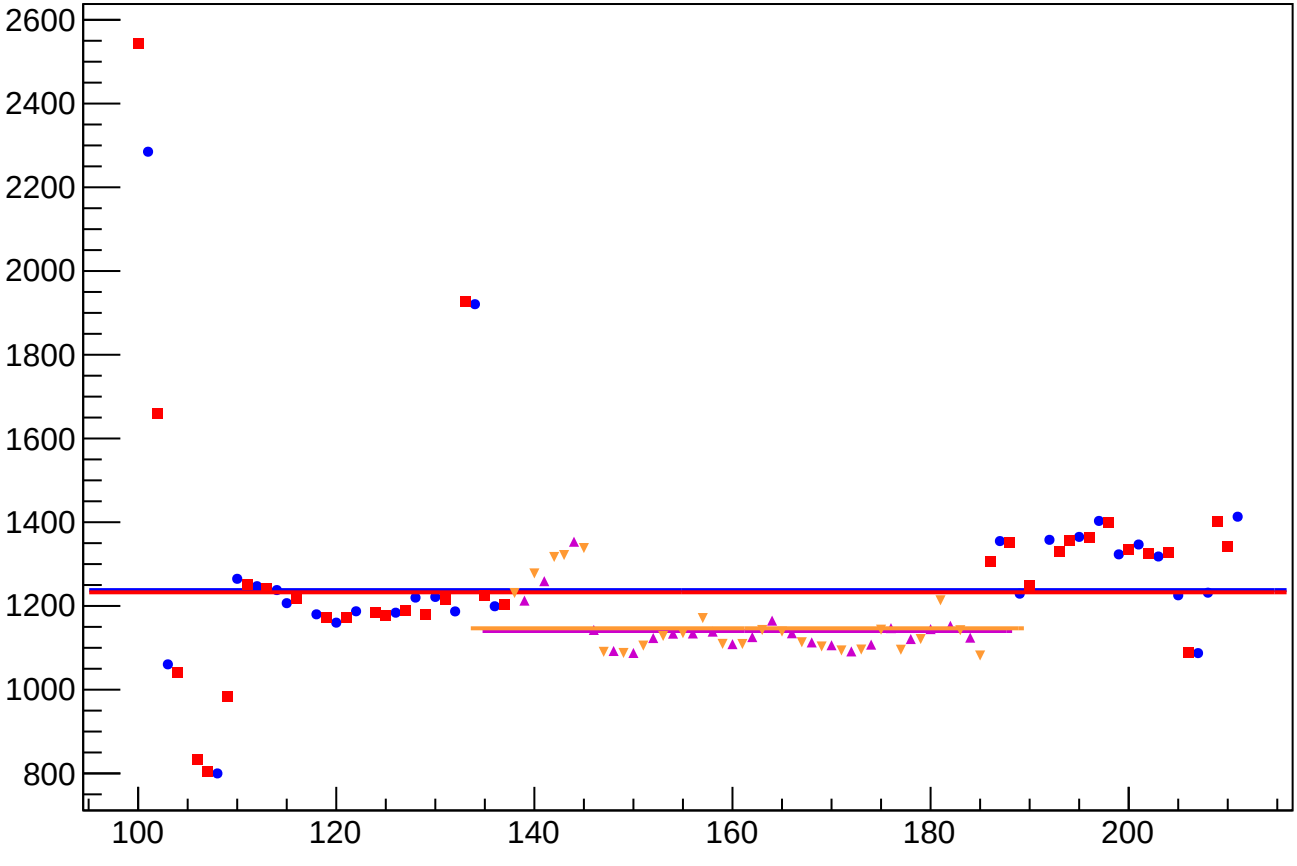
Right: -213.711+/-213.716 χ^2/NDF: 50.4/59

In: -473.578+/-201.394 χ^2/NDF:33.2/50

Out: 300.735+/-196.156 χ^2/NDF:69.3/56

All: -76.220+/-140.519 χ^2/NDF: 110.1/107

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1237.822+/-0.217 χ^2/NDF: 793499.3/27

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.584+/-0.210 χ^2/NDF: 759234.4/31

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

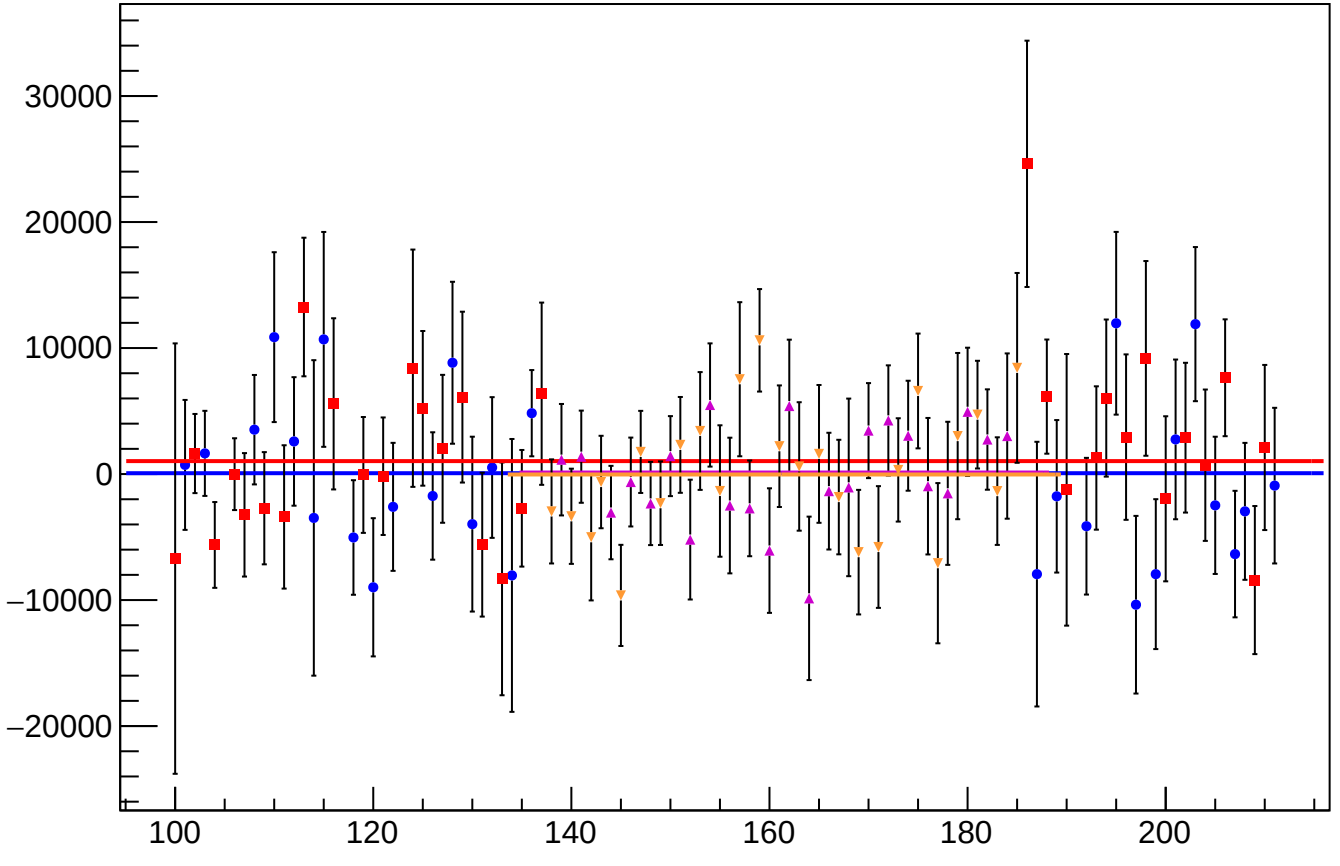
Right: 1235.115+/-0.151 χ^2/NDF: 1553033.9/59

In: 1182.088+/-0.142 χ^2/NDF:993443.8/50

Out: 1184.036+/-0.139 χ^2/NDF:994701.2/56

All: 1183.088+/-0.099 χ^2/NDF: 1988241.0/10

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 67.757+/-1046.900 χ^2/NDF: 28.5/27

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 1027.477+/-942.966 χ^2/NDF: 31.0/31

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

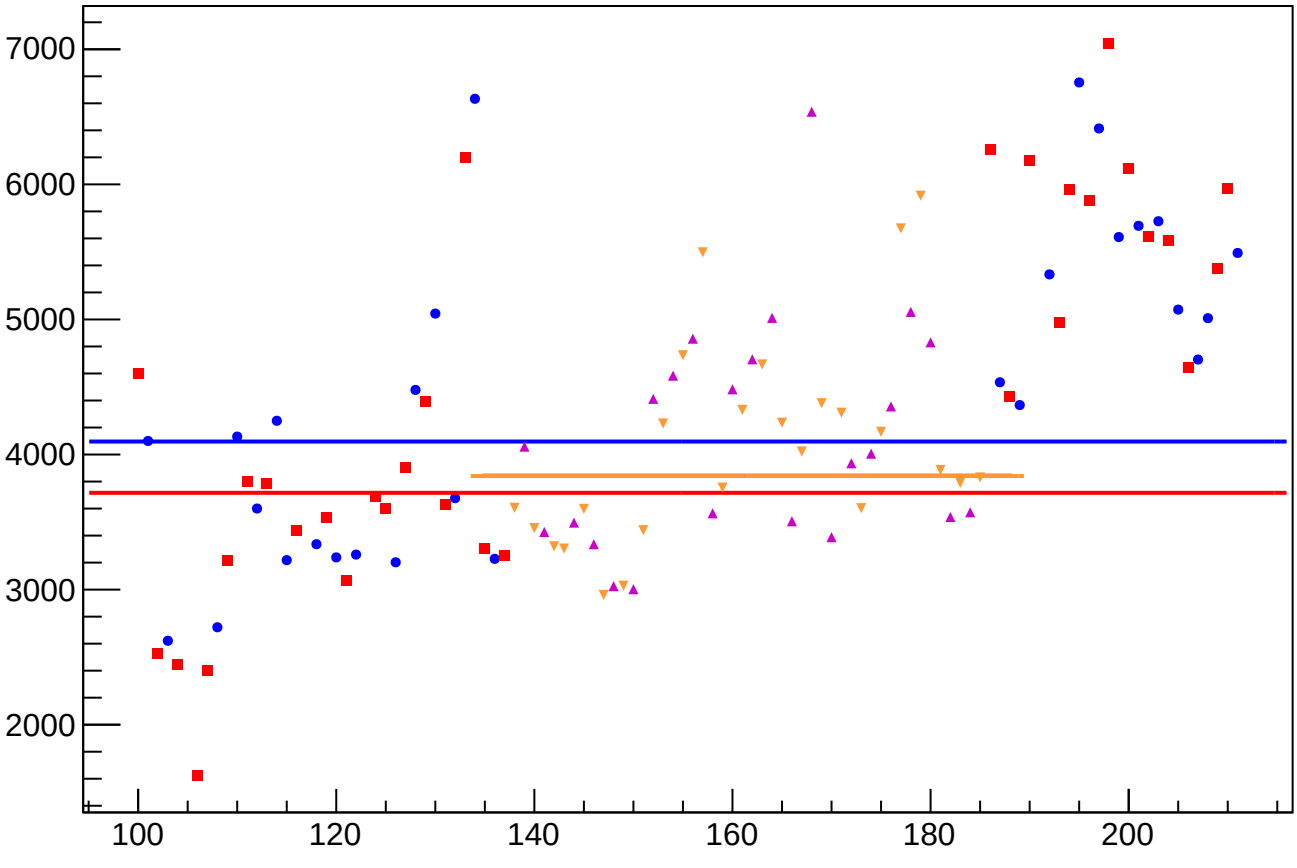
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

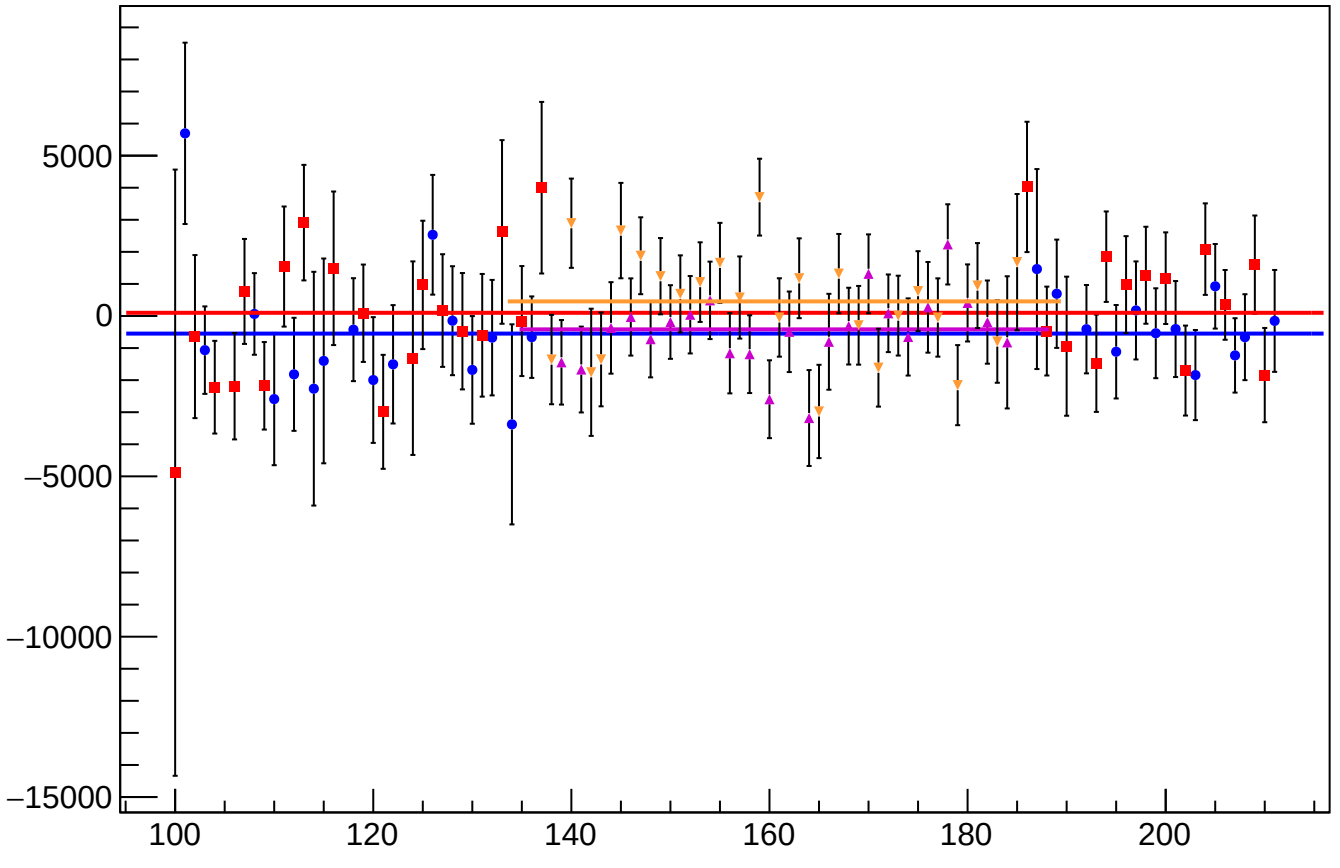
Right: 597.608+/-700.649 χ^2/NDF: 59.9/59

In: 97.951+/-689.251 χ^2/NDF:42.3/50

Out: 467.144+/-647.767 χ^2/NDF:59.4/56

All: 293.991+/-472.025 χ^2/NDF: 101.8/107


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4096.306+/-0.740 χ²/NDF: 2386072.9/27
Left Out: 3840.830+/-0.630 χ²/NDF:1118666.6/24
Right Out: 3716.724+/-0.667 χ²/NDF: 4438352.7/31
Left In: 3843.328+/-0.648 χ²/NDF:1196057.8/22
Left: 3842.046+/-0.452 χ²/NDF: 2314732.0/47
Right: 3886.743+/-0.495 χ²/NDF: 6969583.7/59
In: 3952.983+/-0.487 χ²/NDF:3648294.5/50
Out: 3782.265+/-0.458 χ²/NDF:5575314.9/56
All: 3862.332+/-0.334 χ²/NDF: 9288760.9/10



Right In: -548.530+/-307.384 χ^2/NDF: 15.8/27

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 99.597+/-297.346 χ^2/NDF: 32.3/31

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

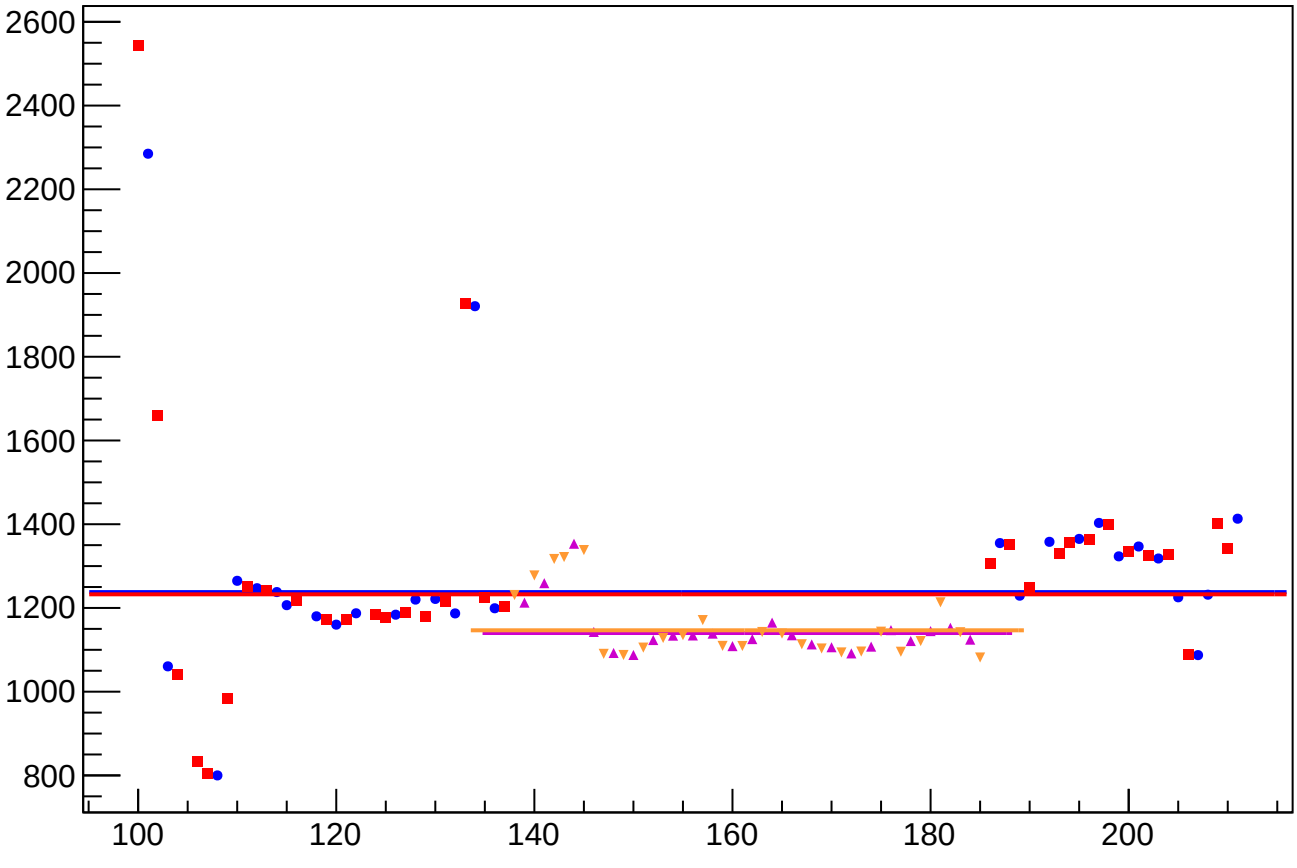
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -213.711+/-213.716 χ^2/NDF: 50.4/59

In: -473.577+/-201.394 χ^2/NDF:33.2/50

Out: 300.737+/-196.156 χ^2/NDF:69.3/56

All: -76.219+/-140.519 χ^2/NDF: 110.1/107



Right In: 1237.822+/-0.217 χ^2/NDF: 793500.4/27

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.584+/-0.210 χ^2/NDF: 759234.0/31

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

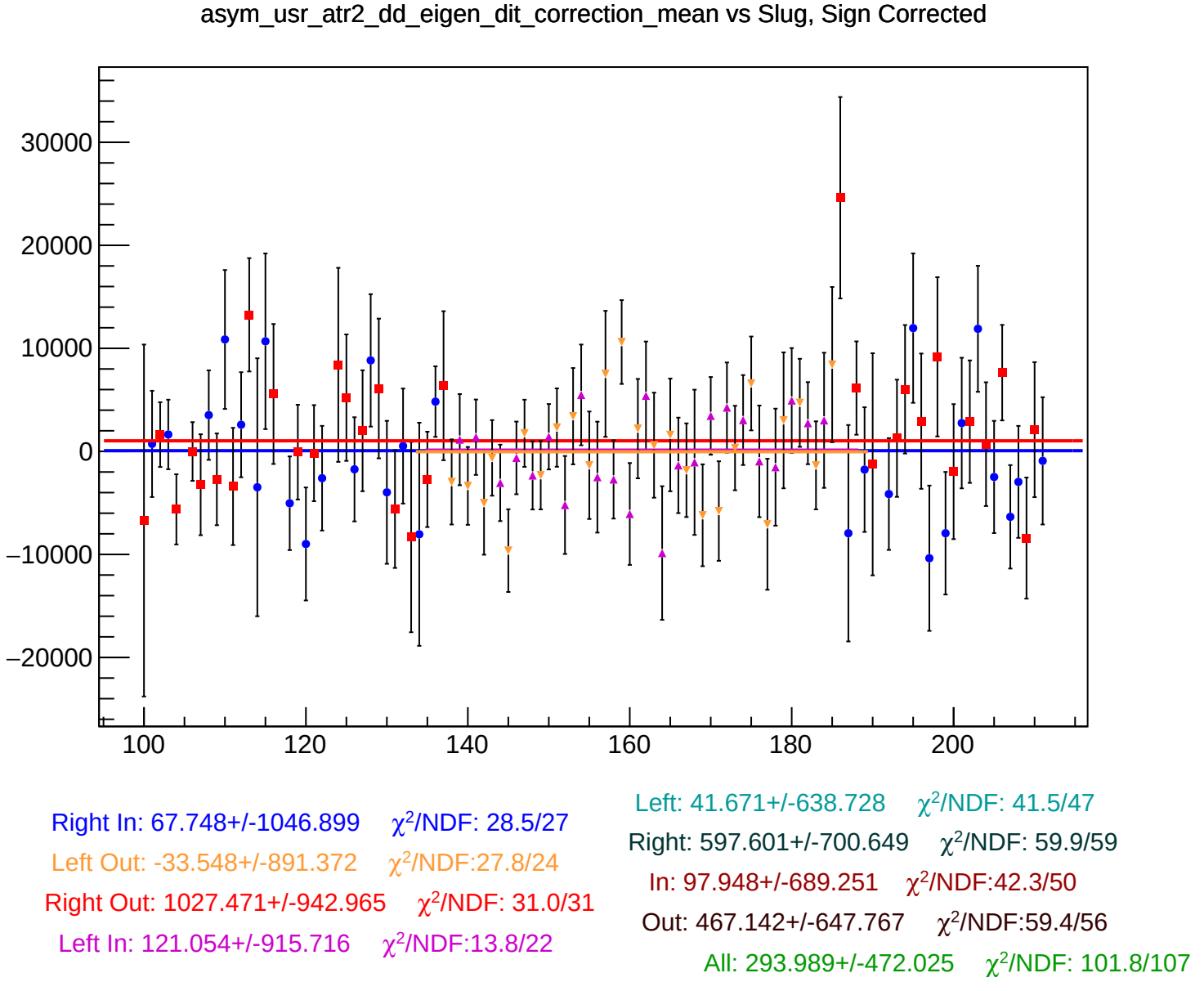
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

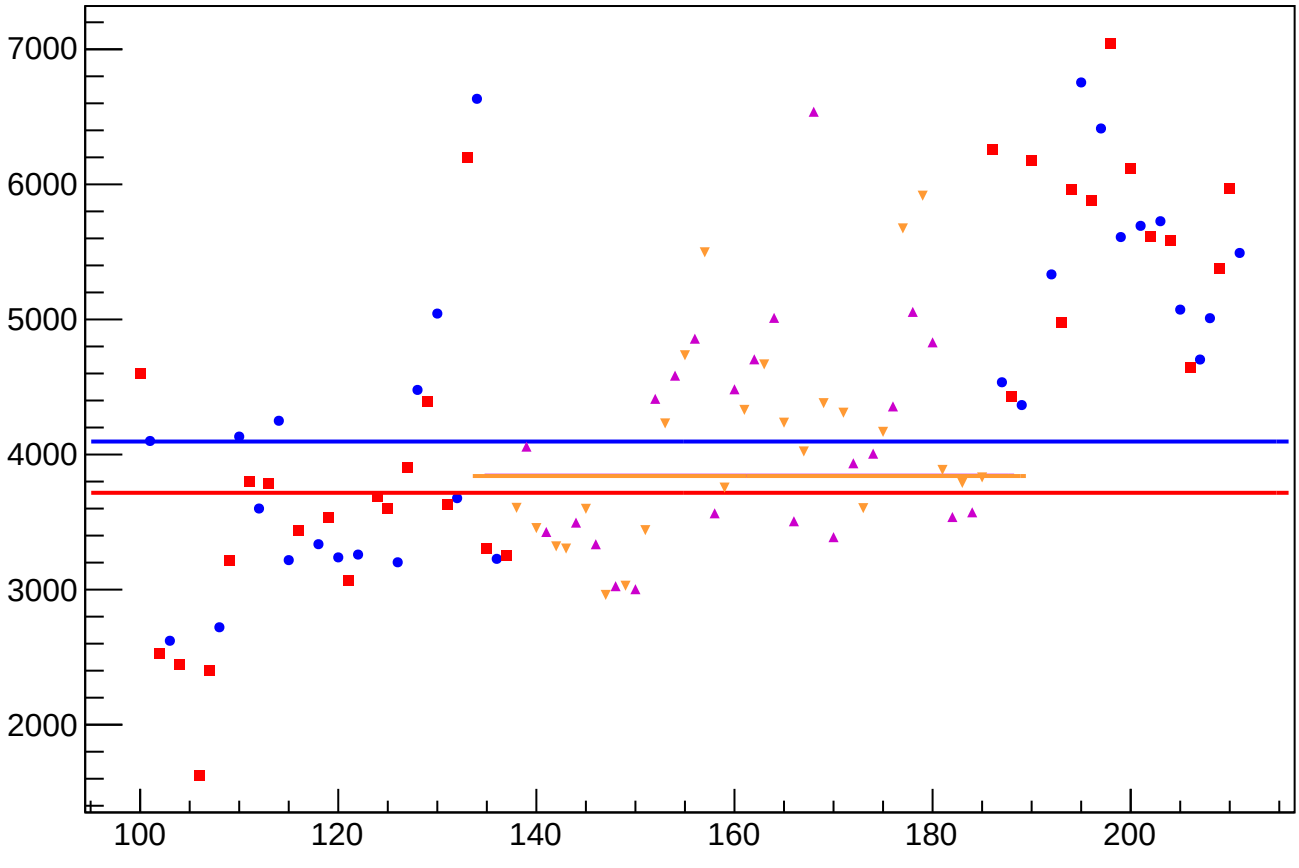
Right: 1235.115+/-0.151 χ^2/NDF: 1553034.4/59

In: 1182.088+/-0.142 χ^2/NDF:993442.7/50

Out: 1184.036+/-0.139 χ^2/NDF:994699.7/56

All: 1183.088+/-0.099 χ^2/NDF: 1988238.4/10


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 67.748+/-1046.899 χ²/NDF: 28.5/27
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 1027.471+/-942.965 χ²/NDF: 31.0/31
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 597.601+/-700.649 χ²/NDF: 59.9/59
In: 97.948+/-689.251 χ²/NDF:42.3/50
Out: 467.142+/-647.767 χ²/NDF:59.4/56
All: 293.989+/-472.025 χ²/NDF: 101.8/107



Right In: 4096.305+/-0.740 χ^2/NDF: 2386086.6/27

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3716.720+/-0.667 χ^2/NDF: 4438379.1/31

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

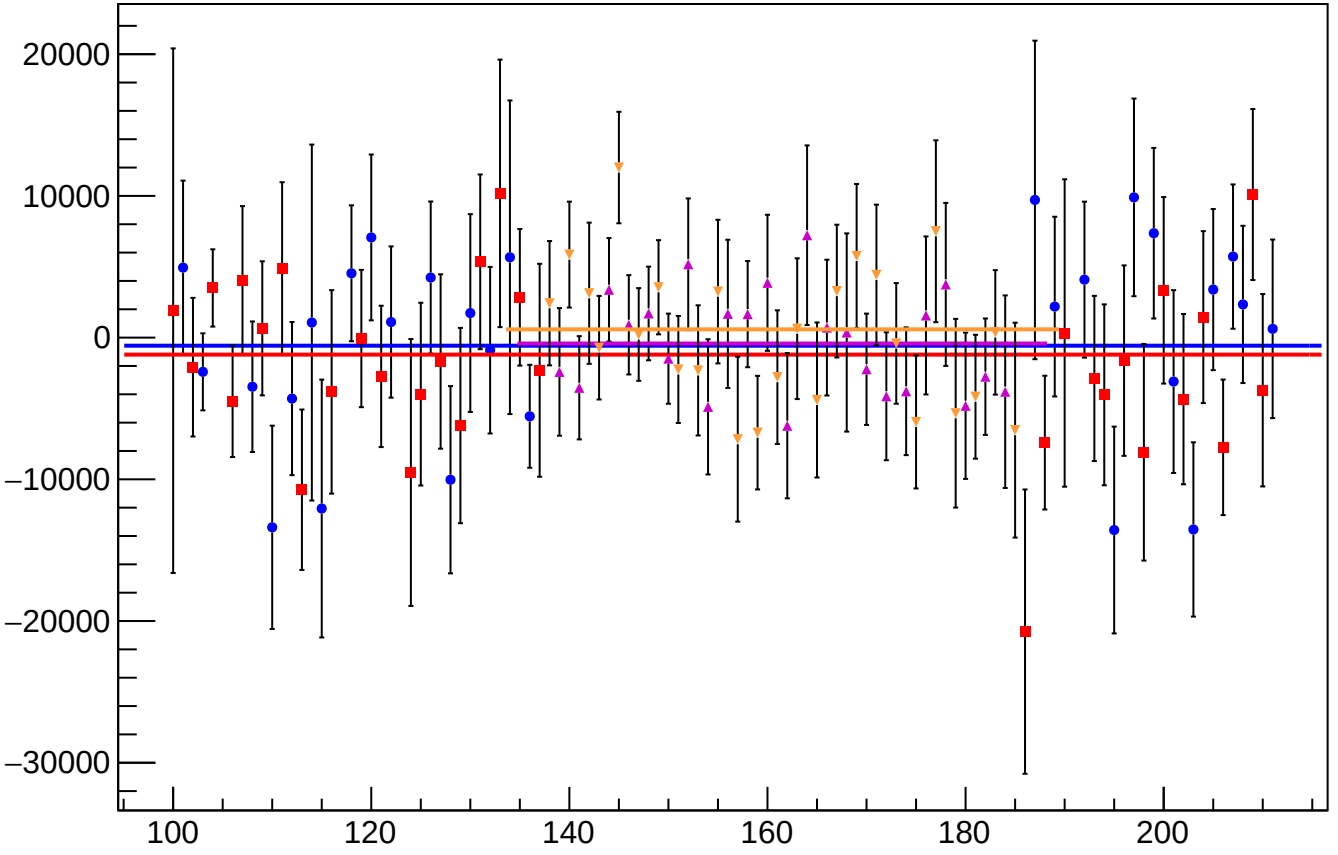
Right: 3886.740+/-0.495 χ^2/NDF: 6969625.9/59

In: 3952.985+/-0.487 χ^2/NDF:3648308.4/50

Out: 3782.266+/-0.458 χ^2/NDF:5575345.7/56

All: 3862.334+/-0.334 χ^2/NDF: 9288806.9/10

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -570.198+/-1059.677 χ^2/NDF: 30.9/27

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1200.367+/-1002.742 χ^2/NDF: 27.0/31

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

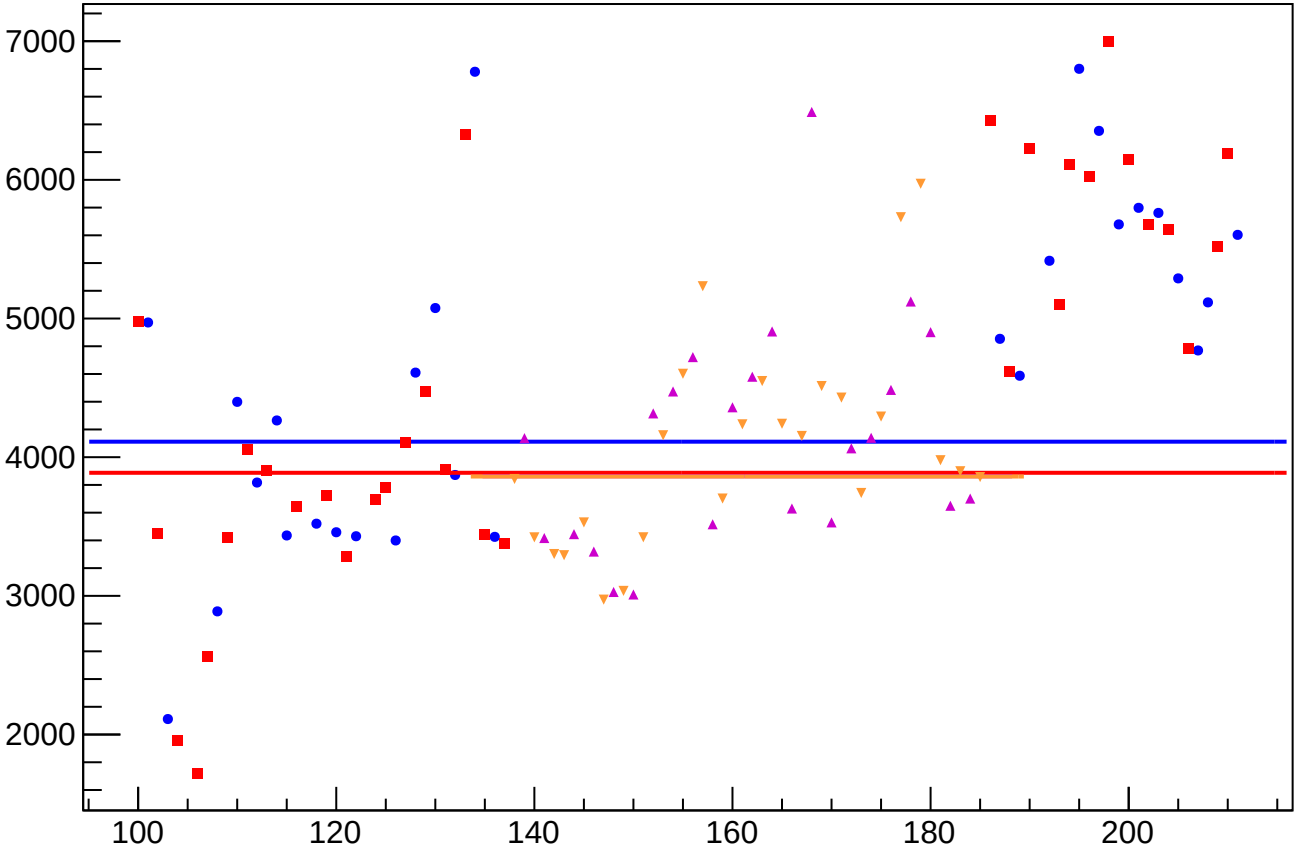
Right: -902.665+/-728.342 χ^2/NDF: 58.0/59

In: -482.650+/-694.282 χ^2/NDF:43.4/50

Out: -207.507+/-667.674 χ^2/NDF:56.2/56

All: -339.705+/-481.248 χ^2/NDF: 99.6/107

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4111.840+/-0.749 χ^2/NDF: 2971236.5/27

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3887.517+/-0.701 χ^2/NDF: 4371623.1/31

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

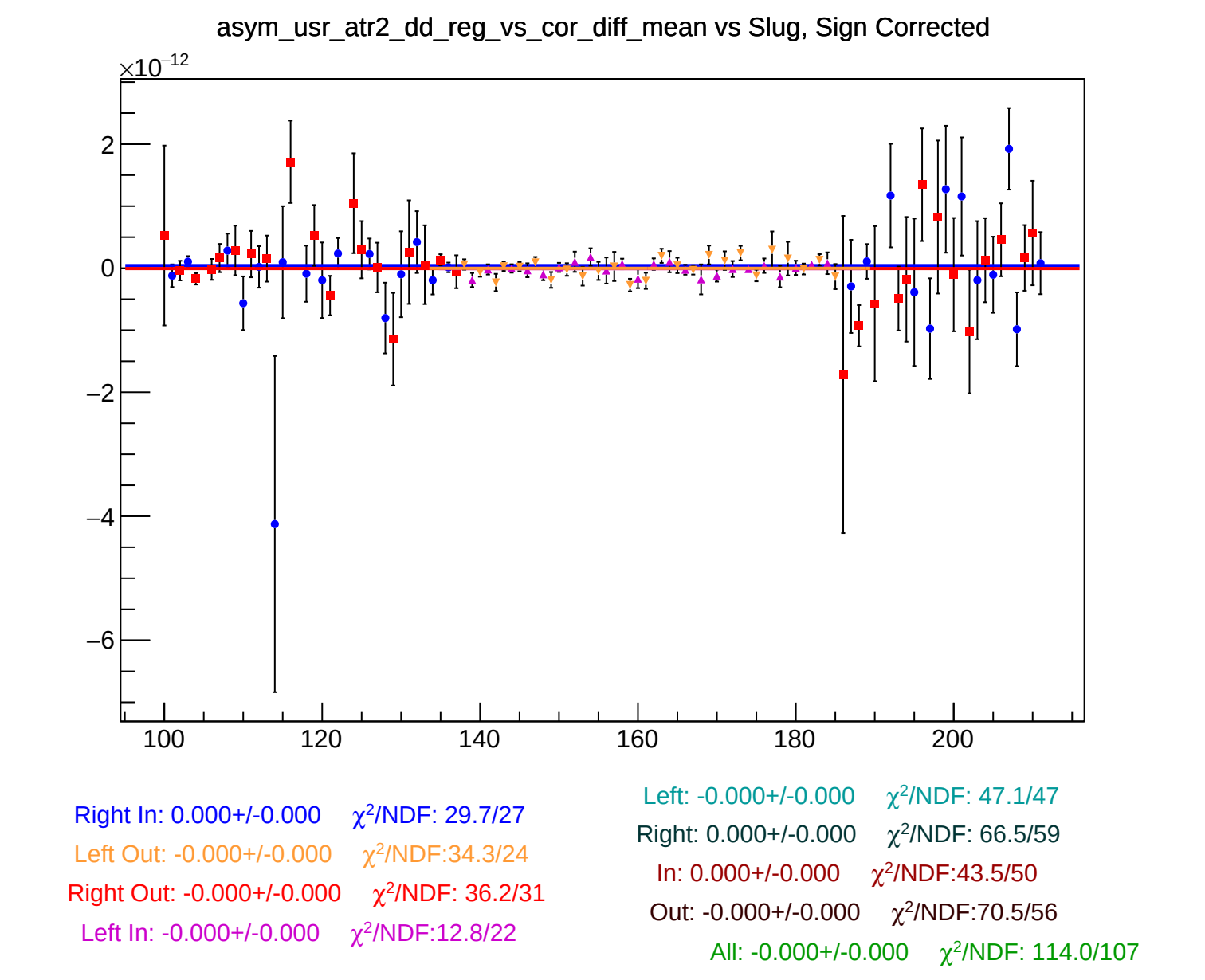
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

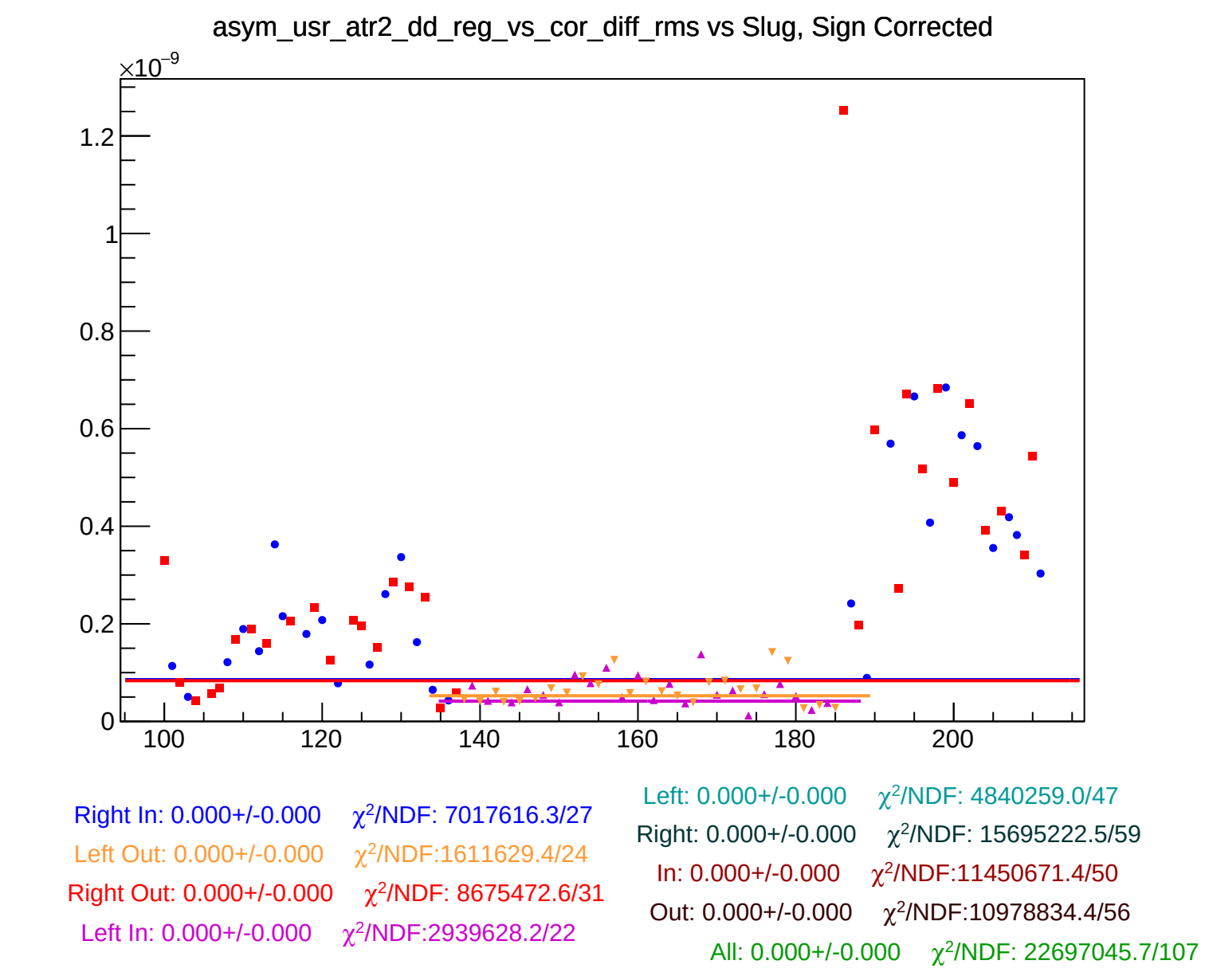
Right: 3992.218+/-0.512 χ^2/NDF: 7390653.2/59

In: 3969.441+/-0.491 χ^2/NDF:4176695.8/50

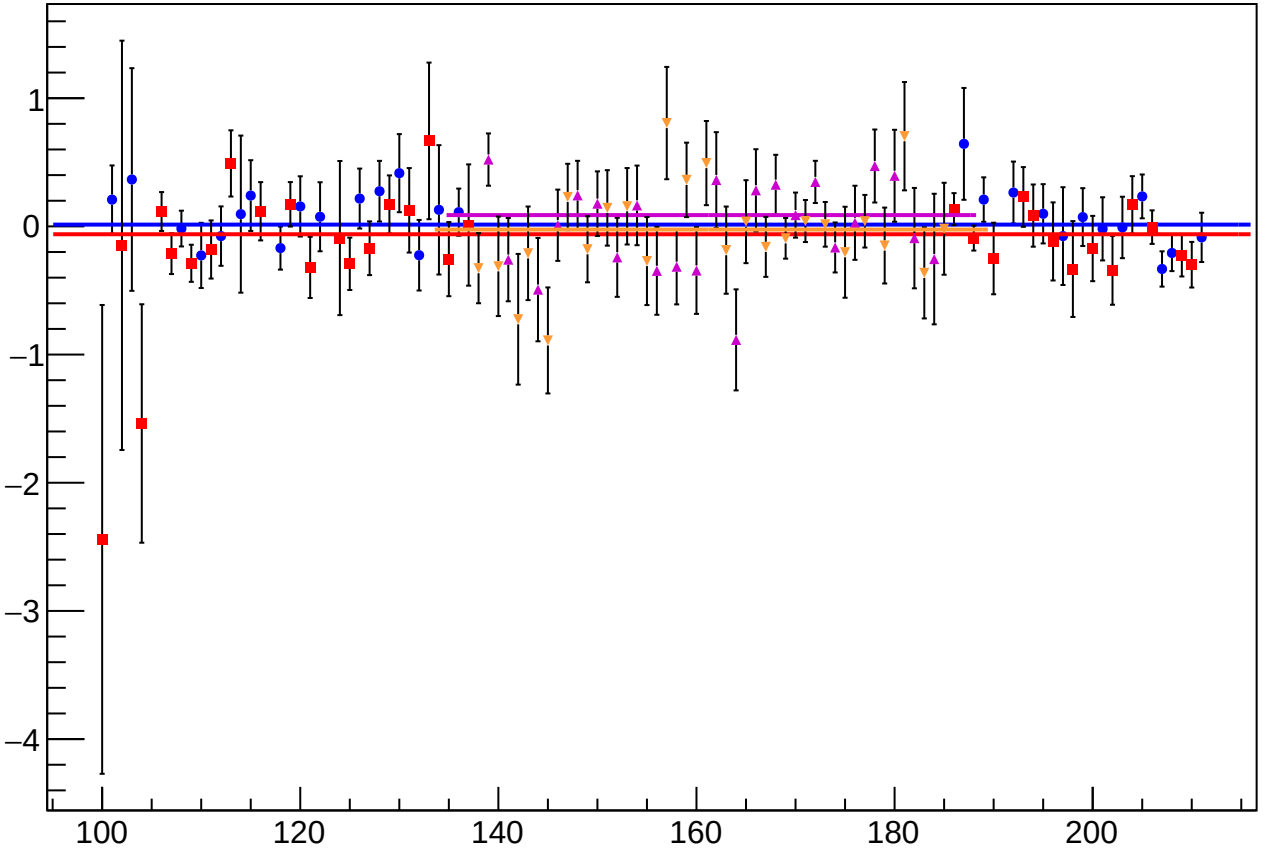
Out: 3872.650+/-0.470 χ^2/NDF:5469732.0/56

All: 3918.910+/-0.339 χ^2/NDF: 9666720.9/10


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: 29.7/27
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.2/31
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: 66.5/59
In: 0.000+/-0.000 χ²/NDF:43.5/50
Out: -0.000+/-0.000 χ²/NDF:70.5/56
All: -0.000+/-0.000 χ²/NDF: 114.0/107


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7017616.3/27
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 8675472.6/31
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 15695222.5/59
In: 0.000+/-0.000 χ²/NDF:11450671.4/50
Out: 0.000+/-0.000 χ²/NDF:10978834.4/56
All: 0.000+/-0.000 χ²/NDF: 22697045.7/107

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.061+/-0.037 χ^2/NDF: 33.0/31

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

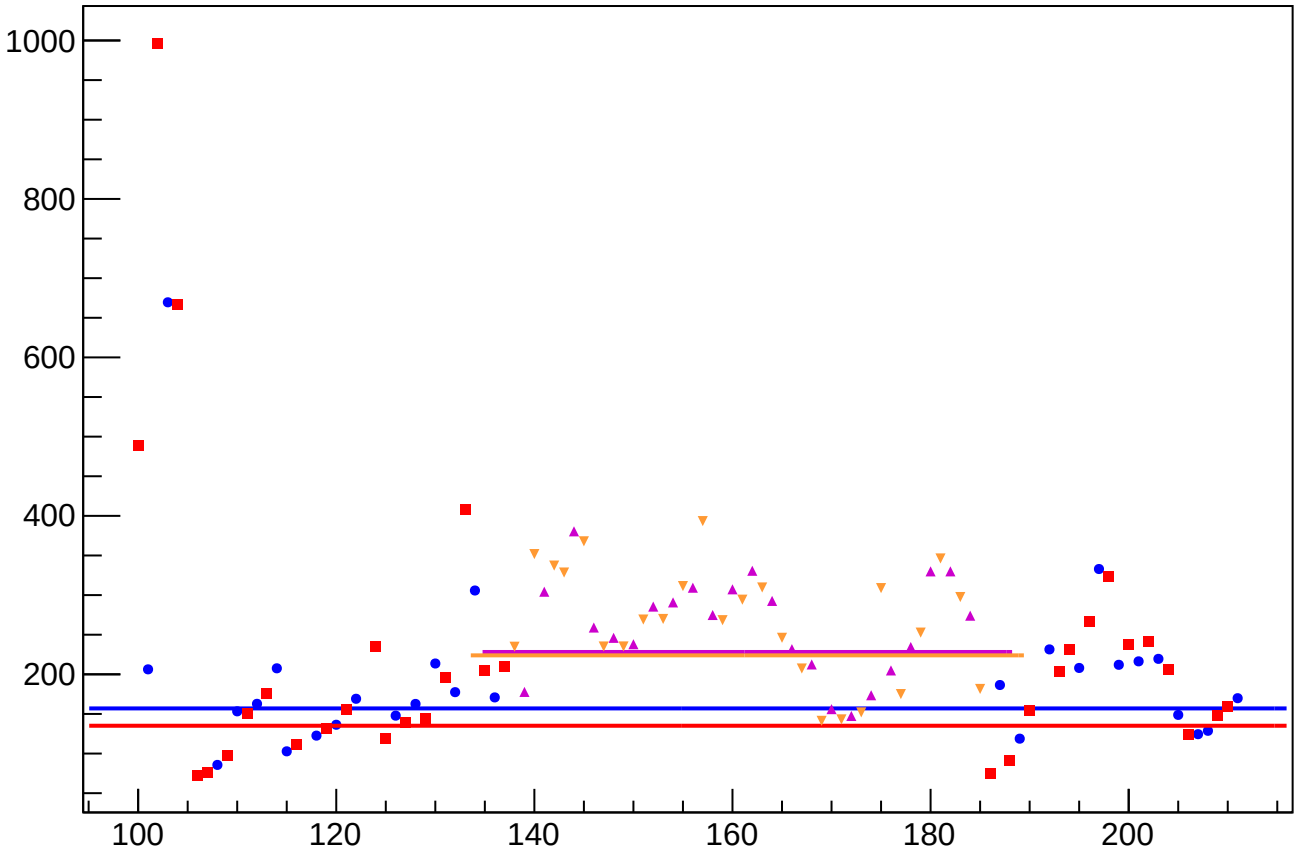
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.029+/-0.027 χ^2/NDF: 59.1/59

In: 0.040+/-0.034 χ^2/NDF:55.4/50

Out: -0.050+/-0.030 χ^2/NDF:57.4/56

All: -0.010+/-0.023 χ^2/NDF: 116.8/107



Right In: 156.972+/-0.029 χ^2/NDF: 3147673.5/27

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 135.105+/-0.026 χ^2/NDF: 6033951.3/31

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

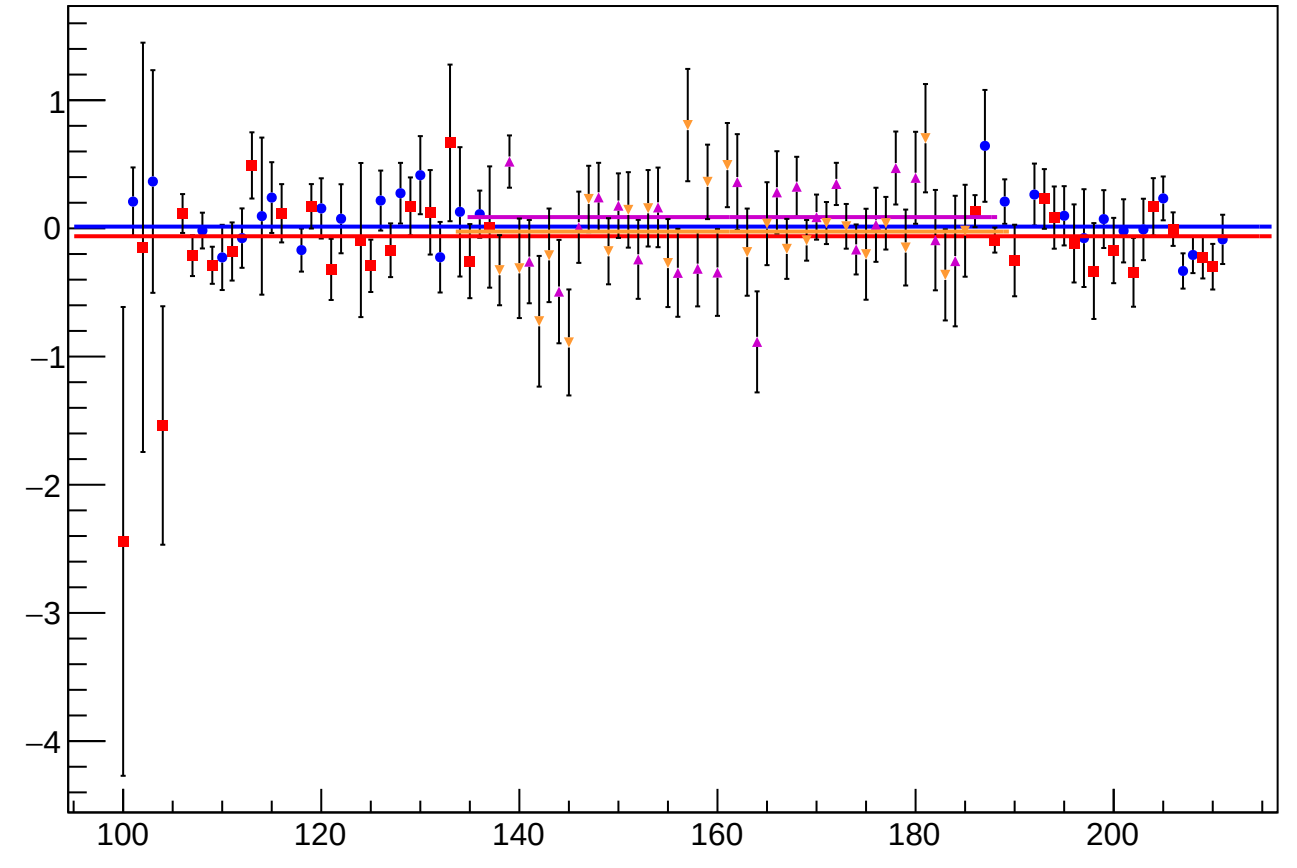
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 144.632+/-0.019 χ^2/NDF: 9492553.7/59

In: 181.969+/-0.024 χ^2/NDF:7688123.8/50

Out: 162.655+/-0.021 χ^2/NDF:13125384.0/56

All: 171.360+/-0.016 χ^2/NDF: 21177290.4/10



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.061+/-0.037 χ^2/NDF: 33.0/31

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

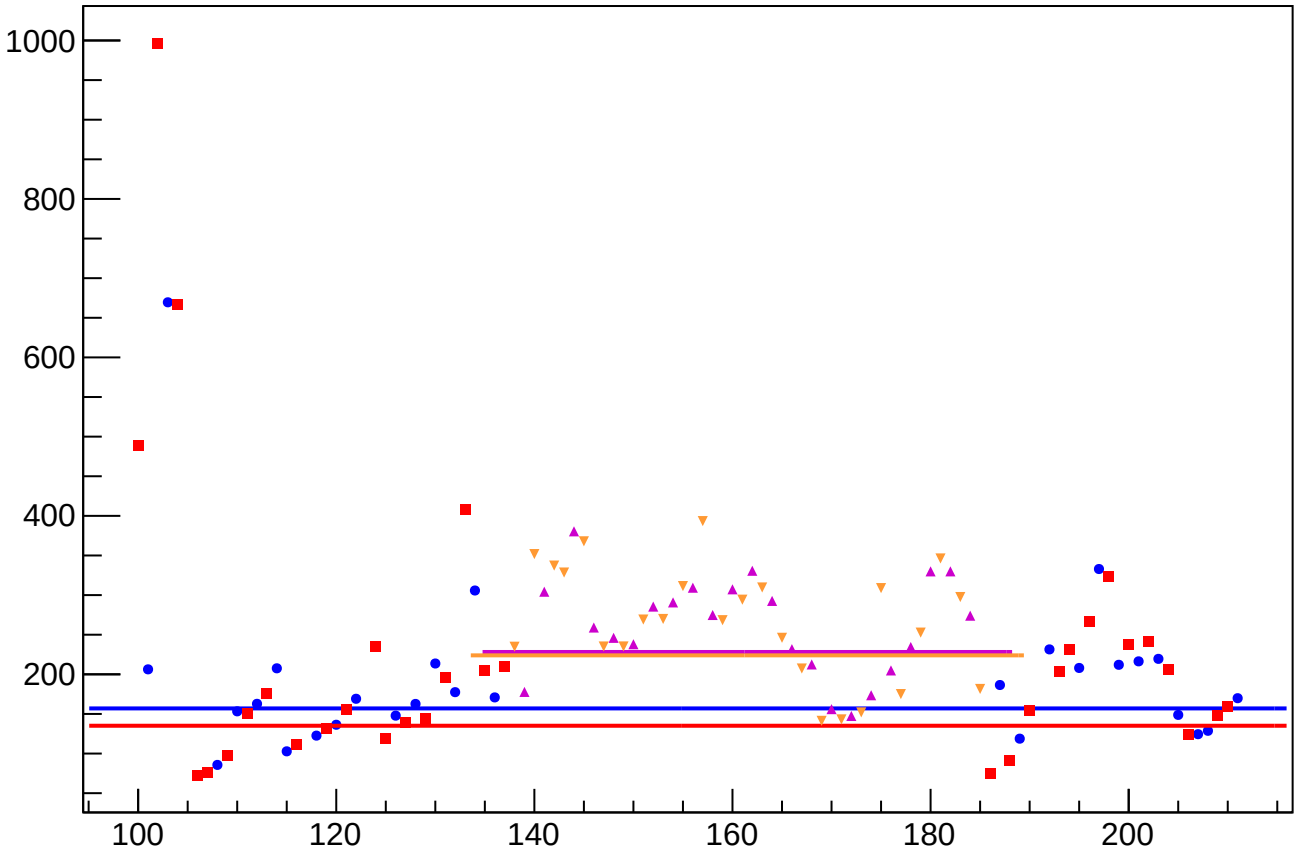
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.029+/-0.027 χ^2/NDF: 59.1/59

In: 0.040+/-0.034 χ^2/NDF:55.4/50

Out: -0.050+/-0.030 χ^2/NDF:57.4/56

All: -0.010+/-0.023 χ^2/NDF: 116.8/107



Right In: 156.972+/-0.029 χ^2/NDF: 3147673.5/27

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 135.105+/-0.026 χ^2/NDF: 6033951.3/31

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

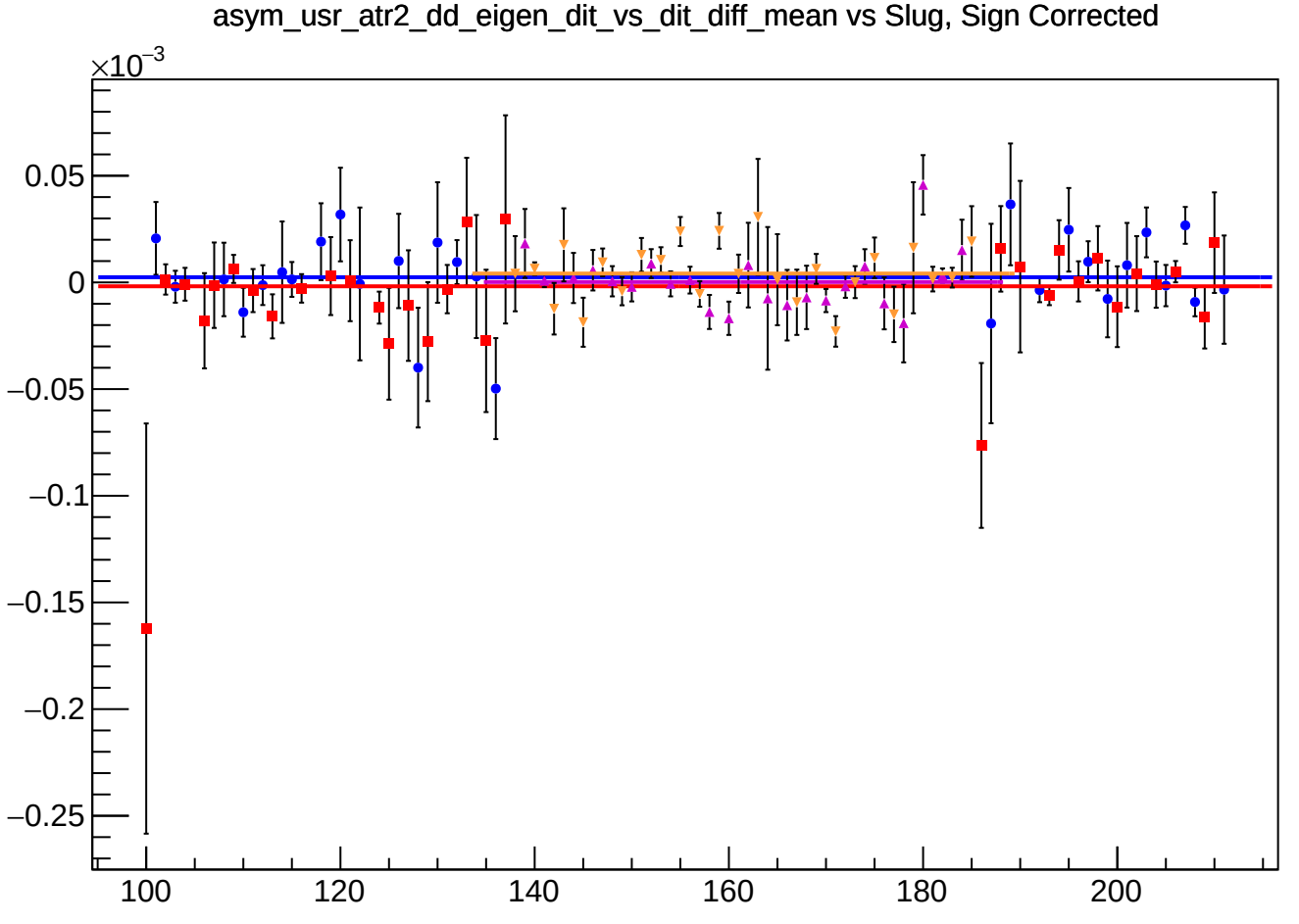
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 144.632+/-0.019 χ^2/NDF: 9492553.7/59

In: 181.969+/-0.024 χ^2/NDF:7688123.8/50

Out: 162.655+/-0.021 χ^2/NDF:13125384.0/56

All: 171.360+/-0.016 χ^2/NDF: 21177290.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/31

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

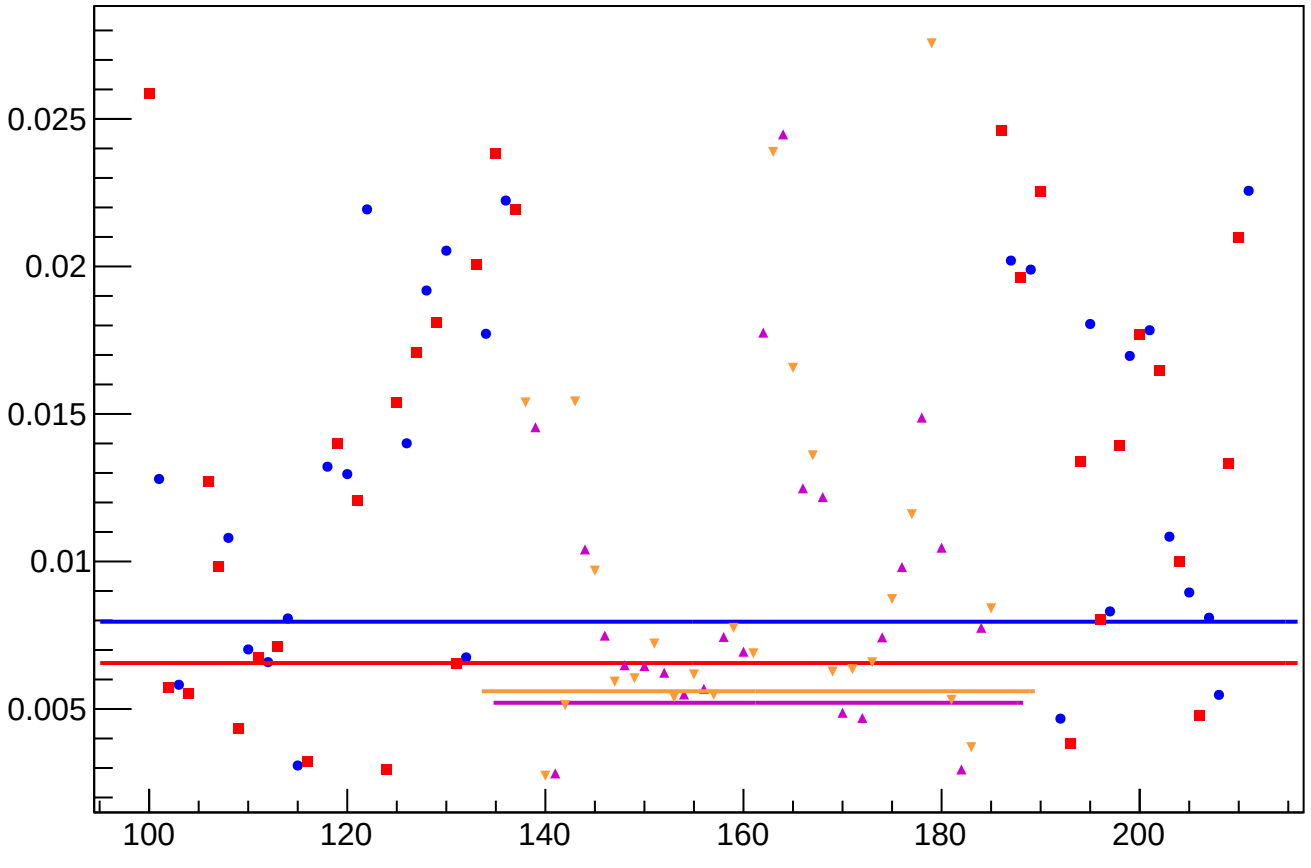
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.8/59

In: 0.000+/-0.000 χ^2/NDF:64.6/50

Out: 0.000+/-0.000 χ^2/NDF:79.9/56

All: 0.000+/-0.000 χ^2/NDF: 145.0/107



Right In: 0.008+/-0.000 χ^2/NDF: 7349349.7/27

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10434757.0/31

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

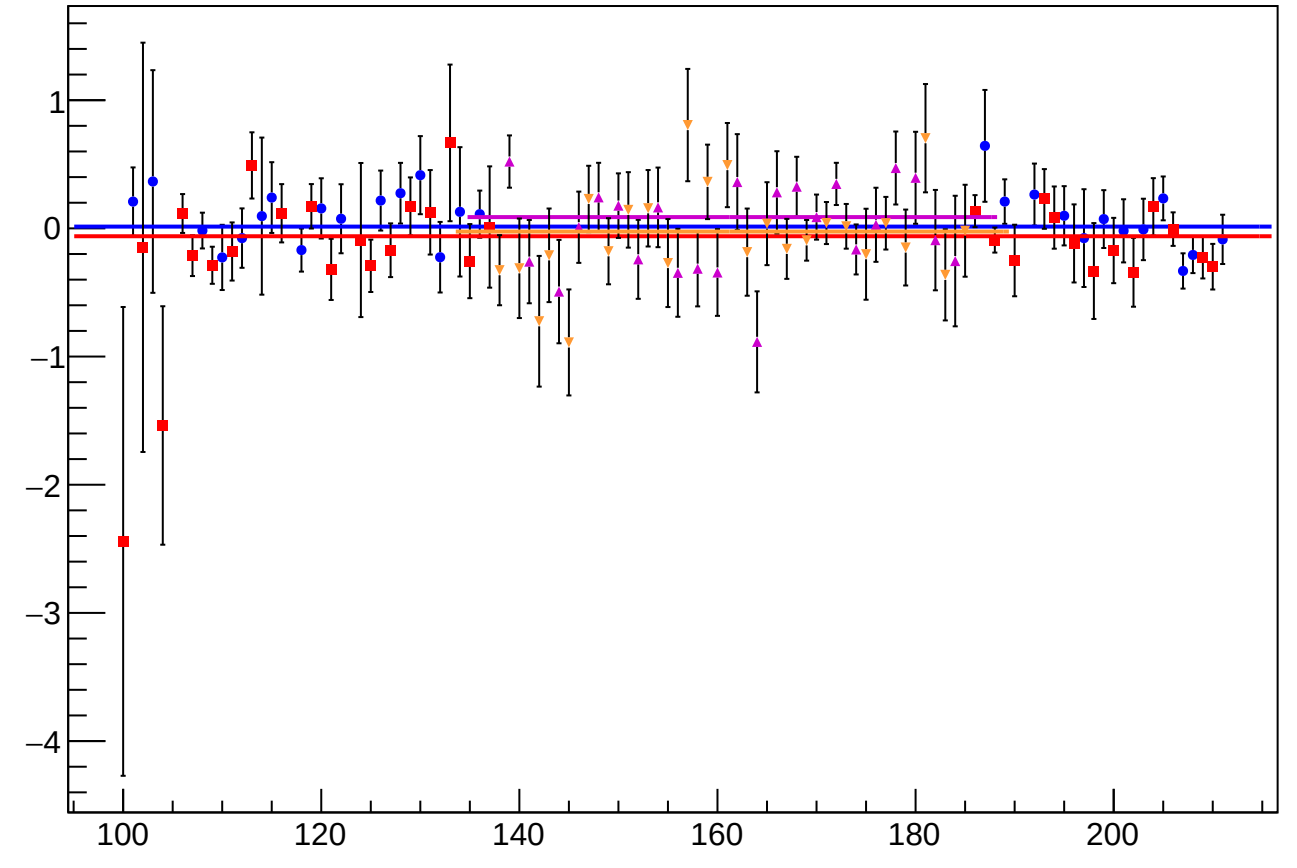
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 18230469.7/59

In: 0.006+/-0.000 χ^2/NDF:16878287.3/50

Out: 0.006+/-0.000 χ^2/NDF:18524233.1/56

All: 0.006+/-0.000 χ^2/NDF: 35402832.1/107



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.061+/-0.037 χ^2/NDF: 33.0/31

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

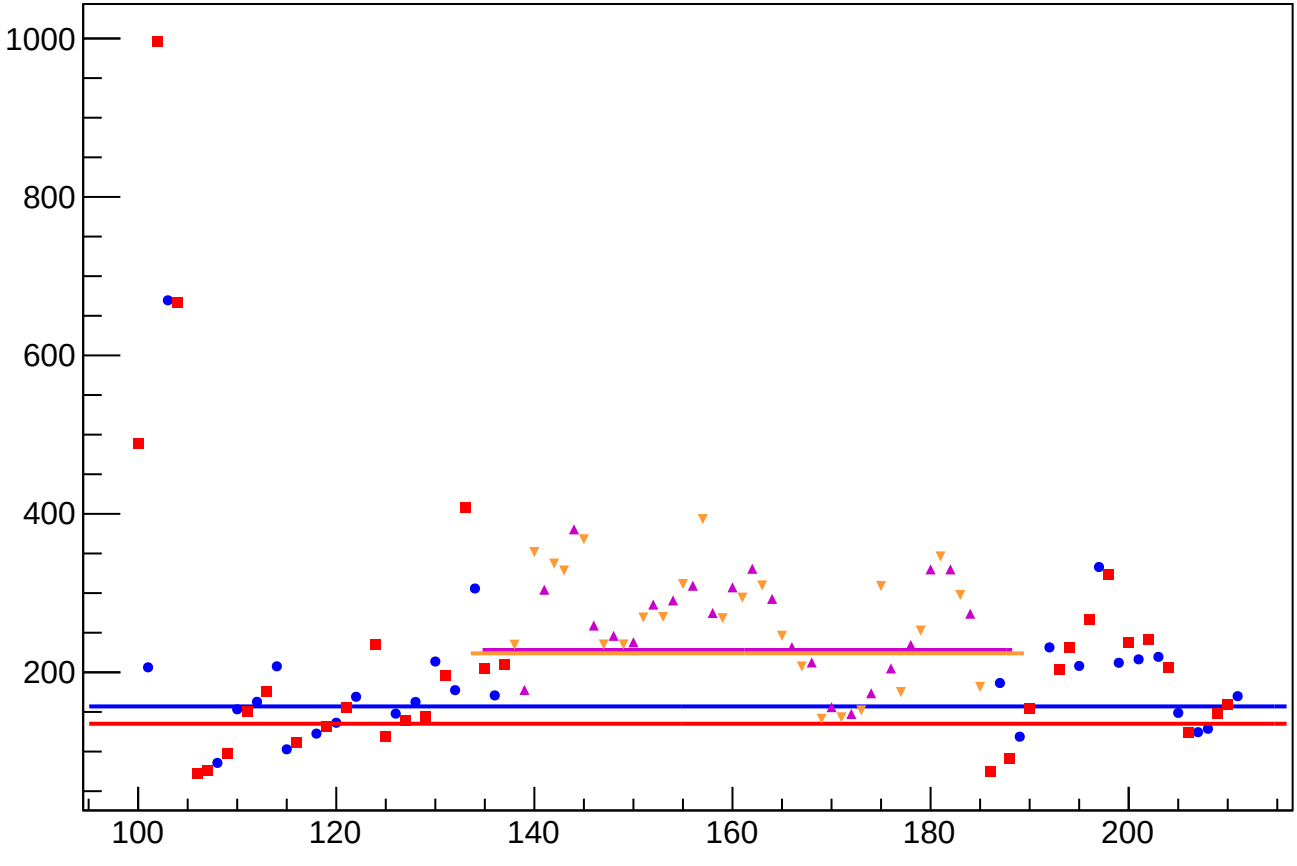
Right: -0.029+/-0.027 χ^2/NDF: 59.1/59

In: 0.040+/-0.034 χ^2/NDF:55.4/50

Out: -0.050+/-0.030 χ^2/NDF:57.4/56

All: -0.010+/-0.023 χ^2/NDF: 116.8/107

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.970+/-0.029 χ^2/NDF: 3147842.8/27

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 135.109+/-0.026 χ^2/NDF: 6033427.9/31

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

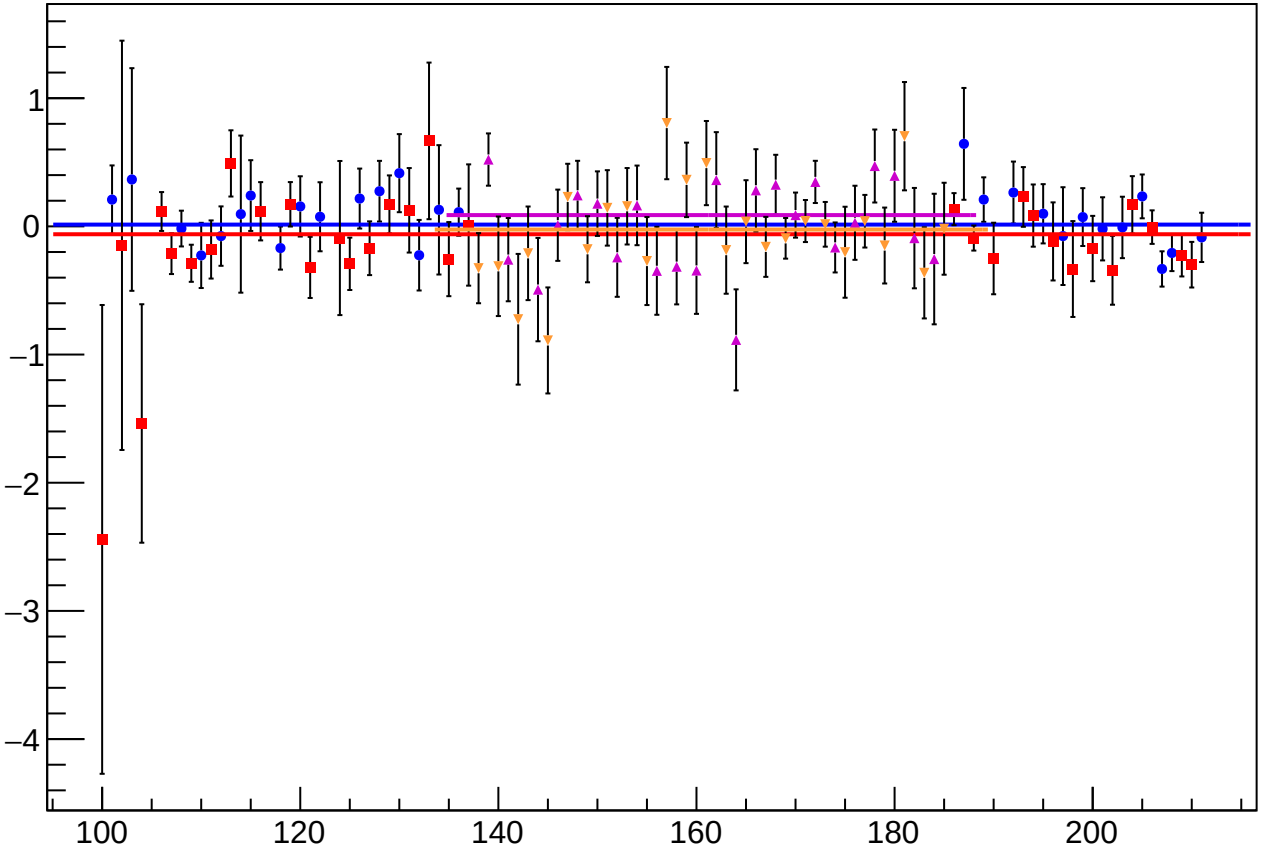
Right: 144.634+/-0.019 χ^2/NDF: 9492029.9/59

In: 181.968+/-0.024 χ^2/NDF:7688533.3/50

Out: 162.658+/-0.021 χ^2/NDF:13124667.4/56

All: 171.362+/-0.016 χ^2/NDF: 21176799.0/10

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.042 χ^2/NDF: 24.3/27

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.061+/-0.037 χ^2/NDF: 33.0/31

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

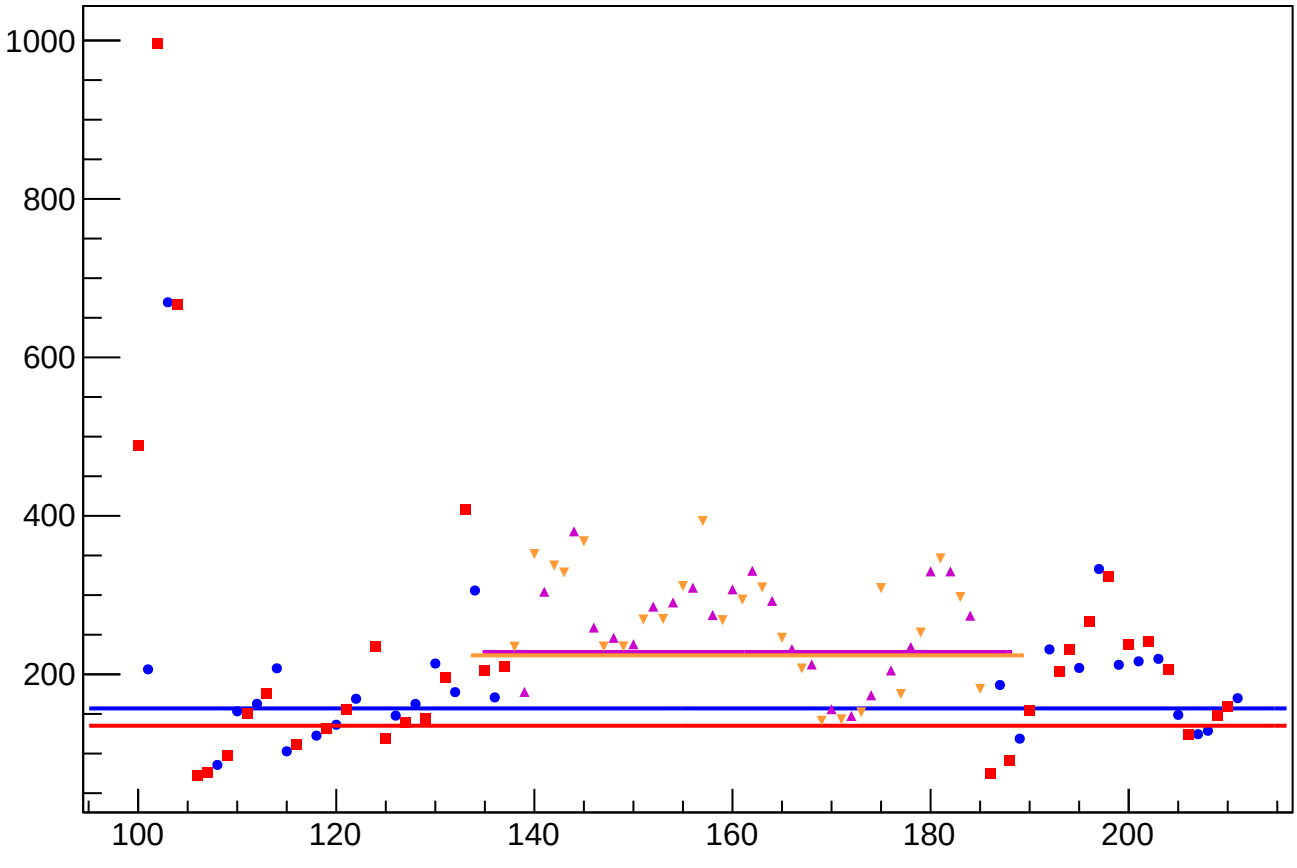
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.029+/-0.027 χ^2/NDF: 59.1/59

In: 0.040+/-0.034 χ^2/NDF:55.4/50

Out: -0.050+/-0.030 χ^2/NDF:57.4/56

All: -0.010+/-0.023 χ^2/NDF: 116.8/107



Right In: 156.970+/-0.029 χ^2/NDF: 3147842.8/27

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 135.109+/-0.026 χ^2/NDF: 6033427.9/31

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

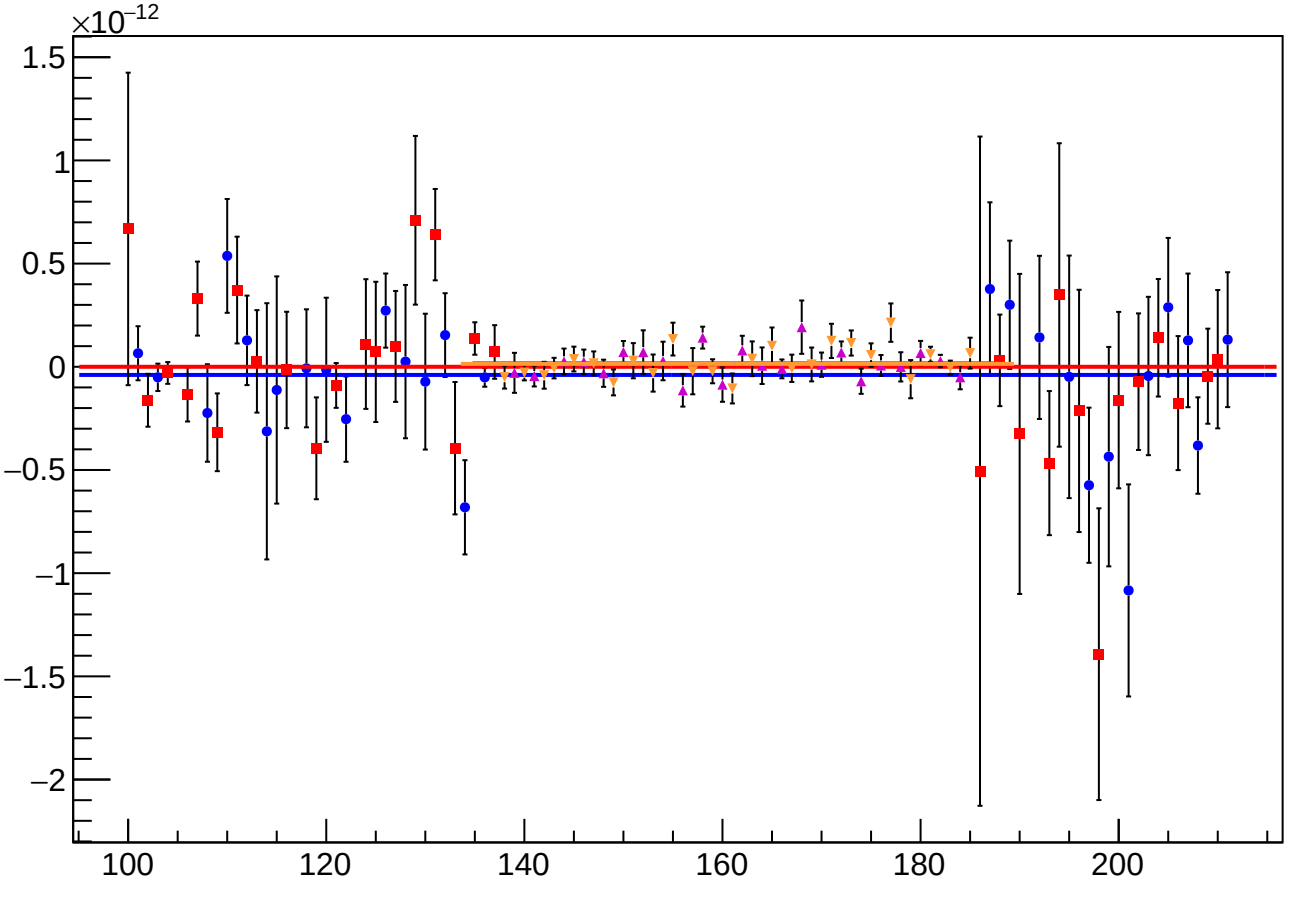
Right: 144.634+/-0.019 χ^2/NDF: 9492029.9/59

In: 181.968+/-0.024 χ^2/NDF:7688533.3/50

Out: 162.658+/-0.021 χ^2/NDF:13124667.4/56

All: 171.362+/-0.016 χ^2/NDF: 21176799.0/10

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.9/31

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

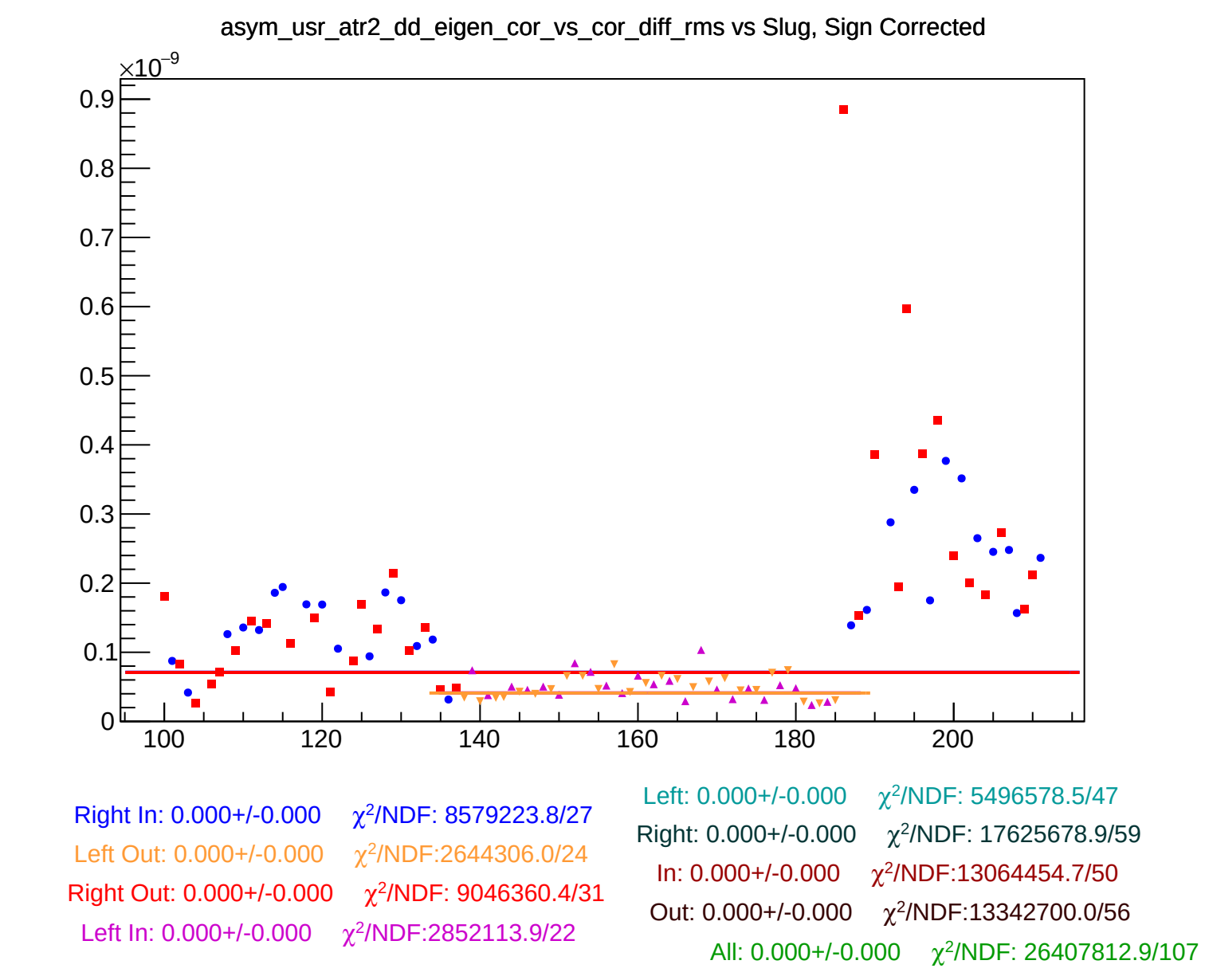
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

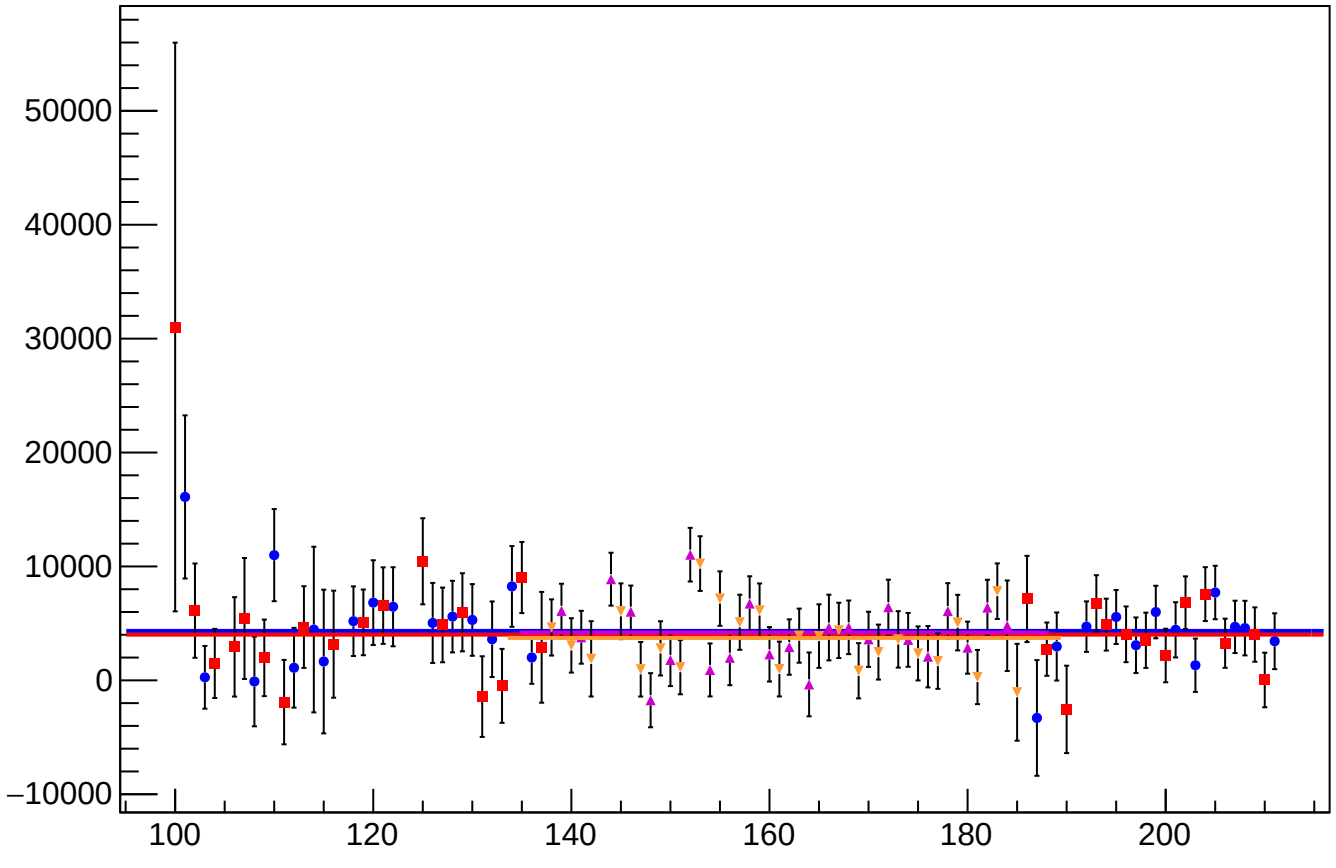
Right: -0.000+/-0.000 χ^2/NDF: 72.0/59

In: 0.000+/-0.000 χ^2/NDF:56.8/50

Out: 0.000+/-0.000 χ^2/NDF:64.5/56

All: 0.000+/-0.000 χ^2/NDF: 121.3/107


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8579223.8/27
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9046360.4/31
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 17625678.9/59
In: 0.000+/-0.000 χ²/NDF:13064454.7/50
Out: 0.000+/-0.000 χ²/NDF:13342700.0/56
All: 0.000+/-0.000 χ²/NDF: 26407812.9/107



Right In: 4340.483+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4011.829+/-539.045 χ^2/NDF: 28.7/30

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

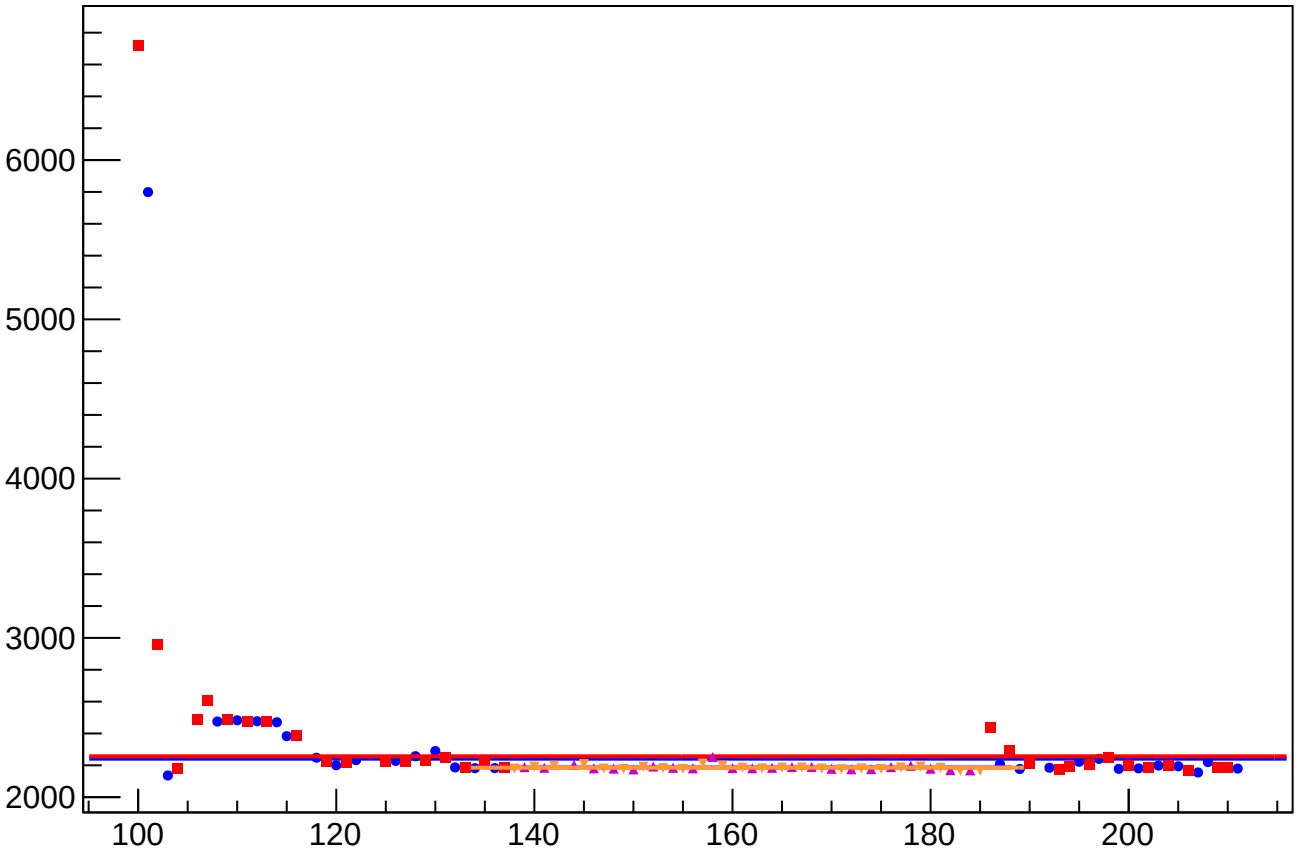
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4171.639+/-386.365 χ^2/NDF: 49.7/58

In: 4262.318+/-375.469 χ^2/NDF:52.9/50

Out: 3858.876+/-369.372 χ^2/NDF:54.3/54

All: 4057.295+/-263.315 χ^2/NDF: 107.8/105



Right In: 2241.805+/-0.392 χ^2/NDF: 536892.7/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2256.541+/-0.381 χ^2/NDF: 186340.7/30

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

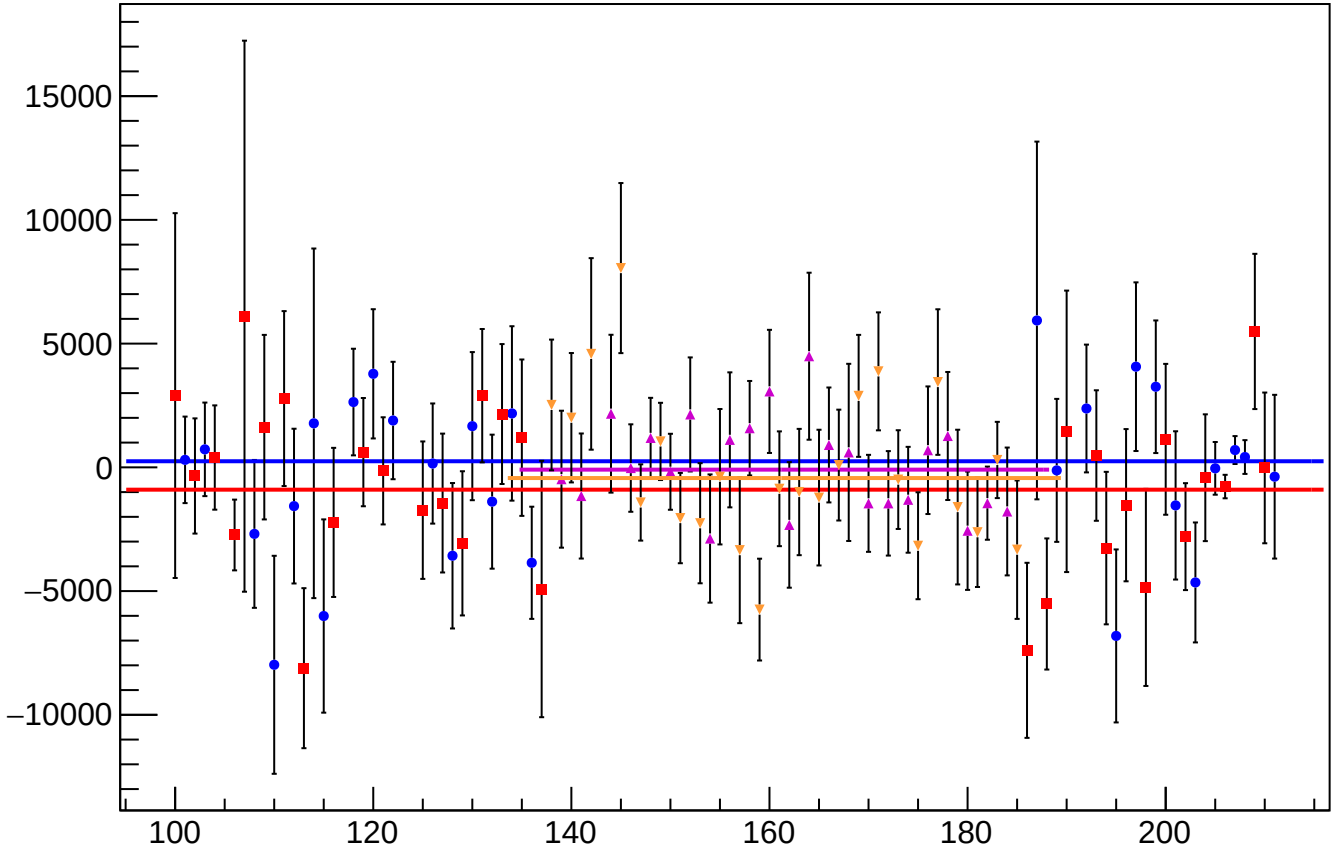
Right: 2249.375+/-0.273 χ^2/NDF: 723960.2/58

In: 2212.029+/-0.265 χ^2/NDF:549636.9/50

Out: 2218.662+/-0.261 χ^2/NDF:205773.2/54

All: 2215.400+/-0.186 χ^2/NDF: 755727.3/105

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 246.354+/-325.252 χ^2/NDF: 30.0/27

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -902.072+/-347.517 χ^2/NDF: 29.0/30

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

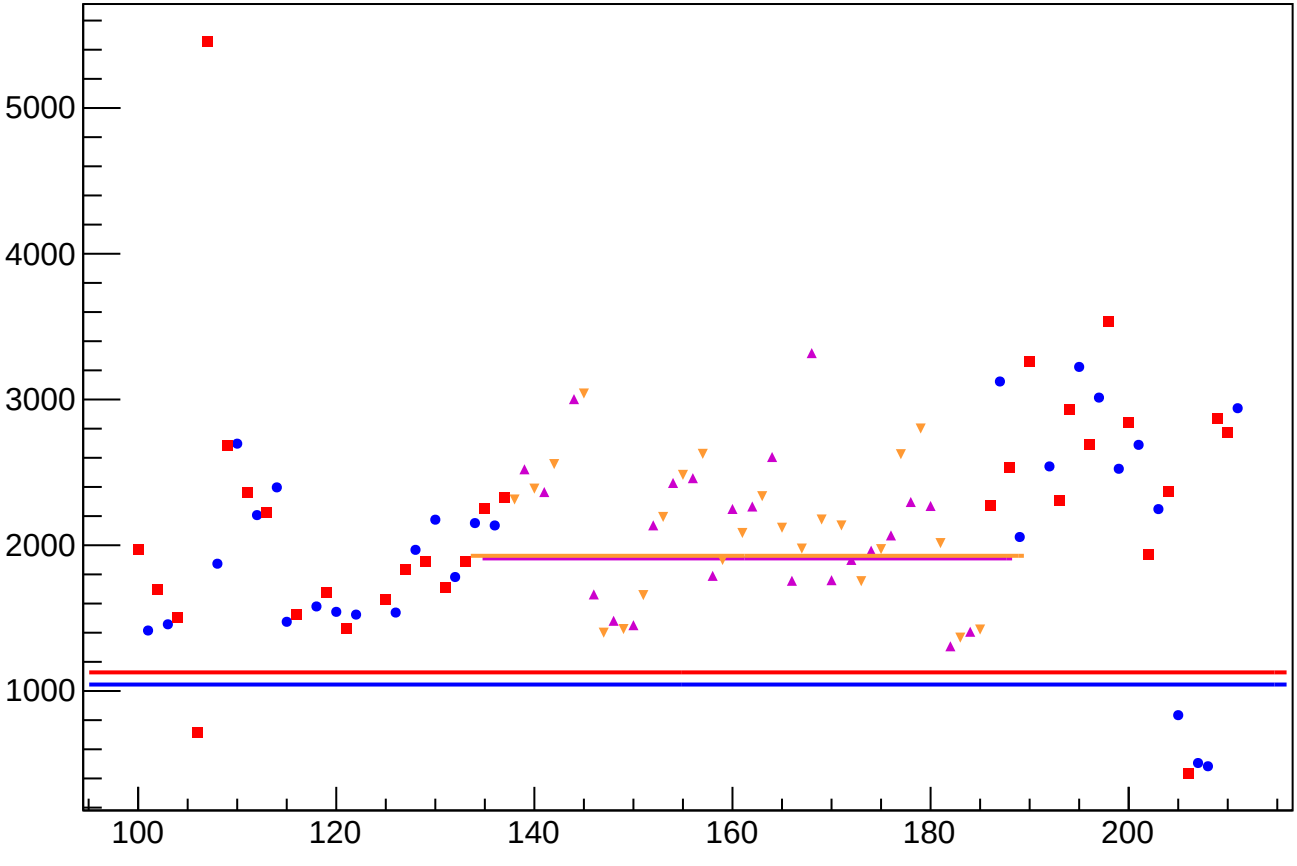
Right: -289.896+/-237.469 χ^2/NDF: 64.8/58

In: 133.579+/-265.701 χ^2/NDF:43.2/50

Out: -732.494+/-277.803 χ^2/NDF:60.9/54

All: -280.182+/-192.015 χ^2/NDF: 109.2/105

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1044.349+/-0.230 χ^2/NDF: 10794511.7/27

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1127.714+/-0.246 χ^2/NDF: 12905712.1/30

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

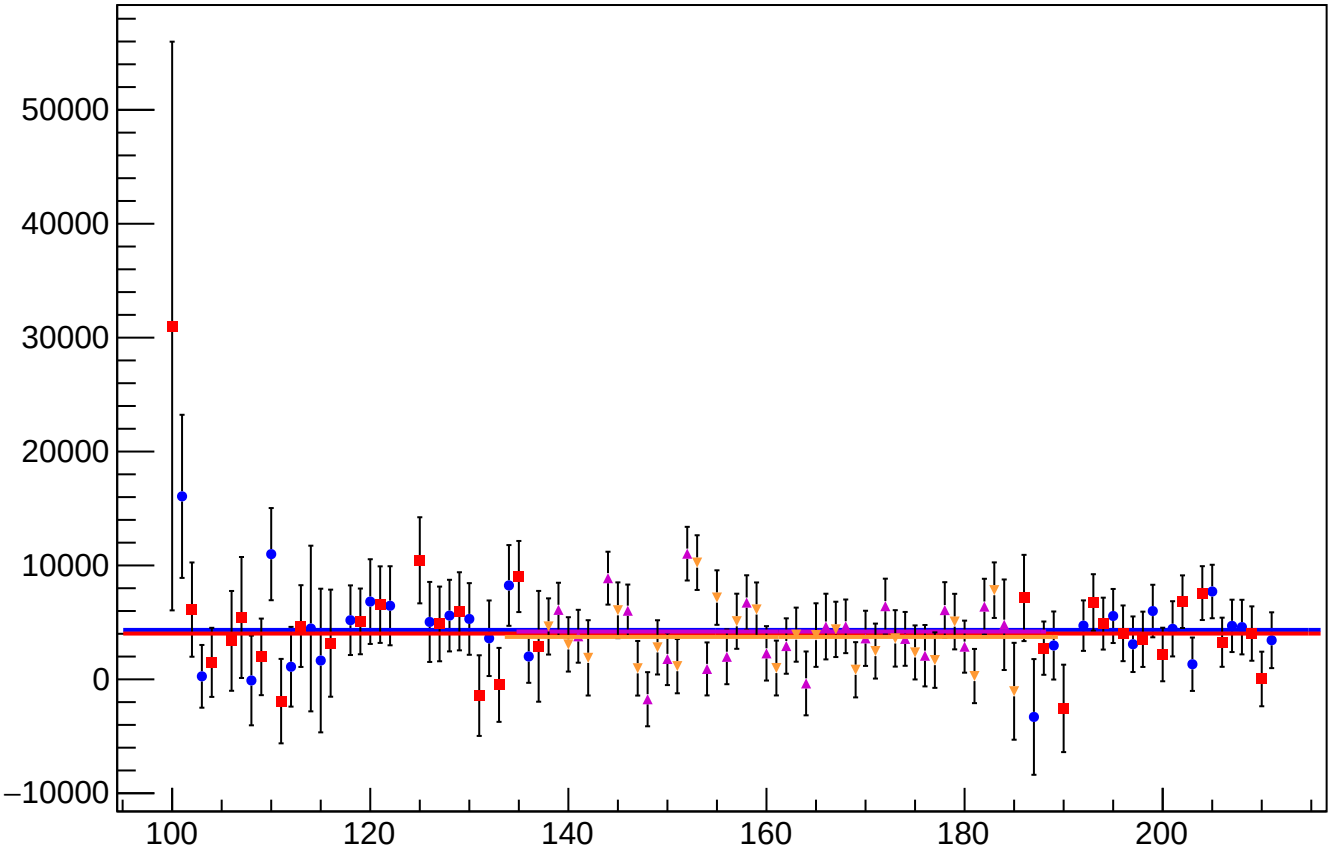
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1083.276+/-0.168 χ^2/NDF: 23761573.3/58

In: 1332.192+/-0.188 χ^2/NDF:17445381.7/50

Out: 1416.469+/-0.196 χ^2/NDF:18529436.3/54

All: 1372.455+/-0.136 χ^2/NDF: 36070947.6/



Right In: 4340.268+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4018.794+/-539.080 χ^2/NDF: 28.7/30

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

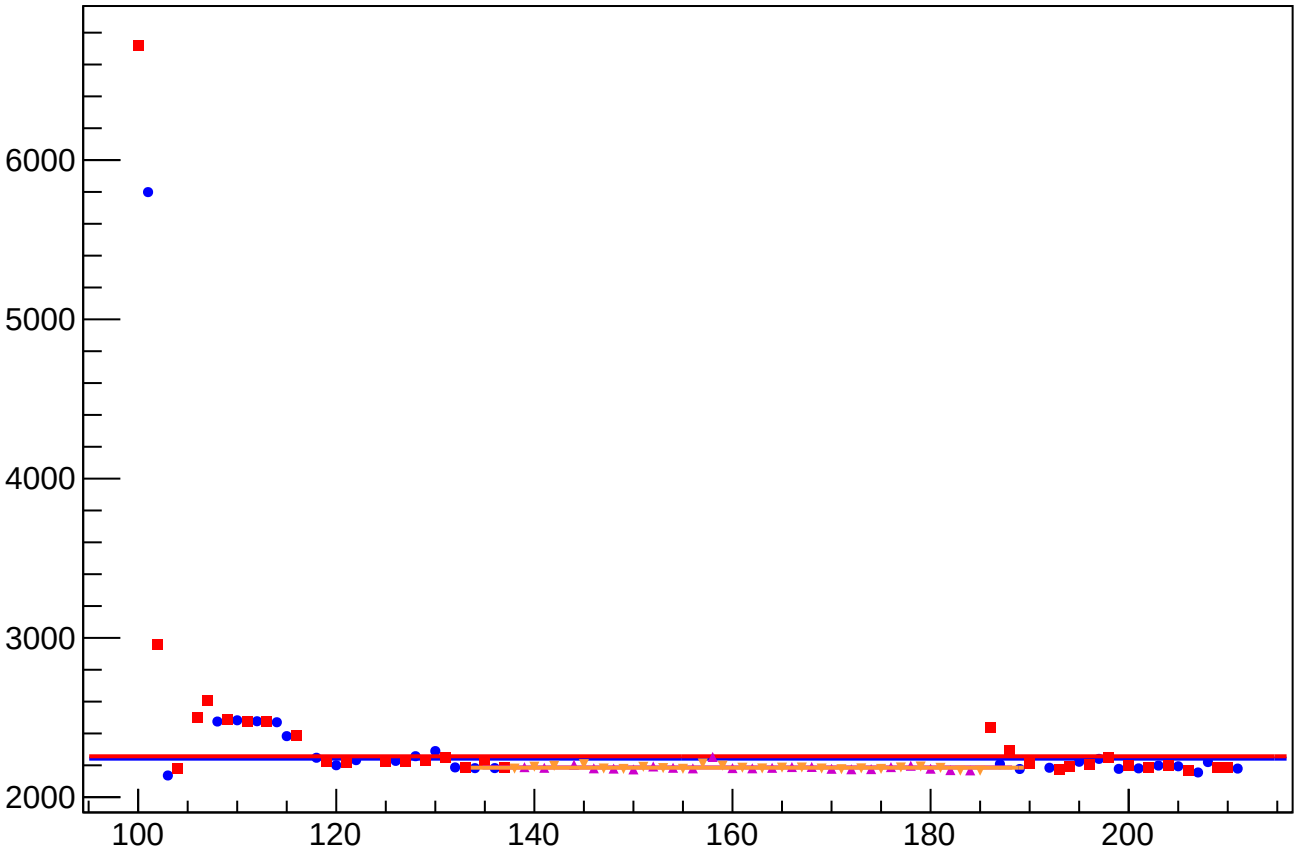
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4175.124+/-386.378 χ^2/NDF: 49.6/58

In: 4262.283+/-375.469 χ^2/NDF:52.9/50

Out: 3862.109+/-369.384 χ^2/NDF:54.3/54

All: 4058.927+/-263.319 χ^2/NDF: 107.8/105



Right In: 2241.805+/-0.392 χ^2/NDF: 536893.1/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2256.672+/-0.381 χ^2/NDF: 186825.4/30

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

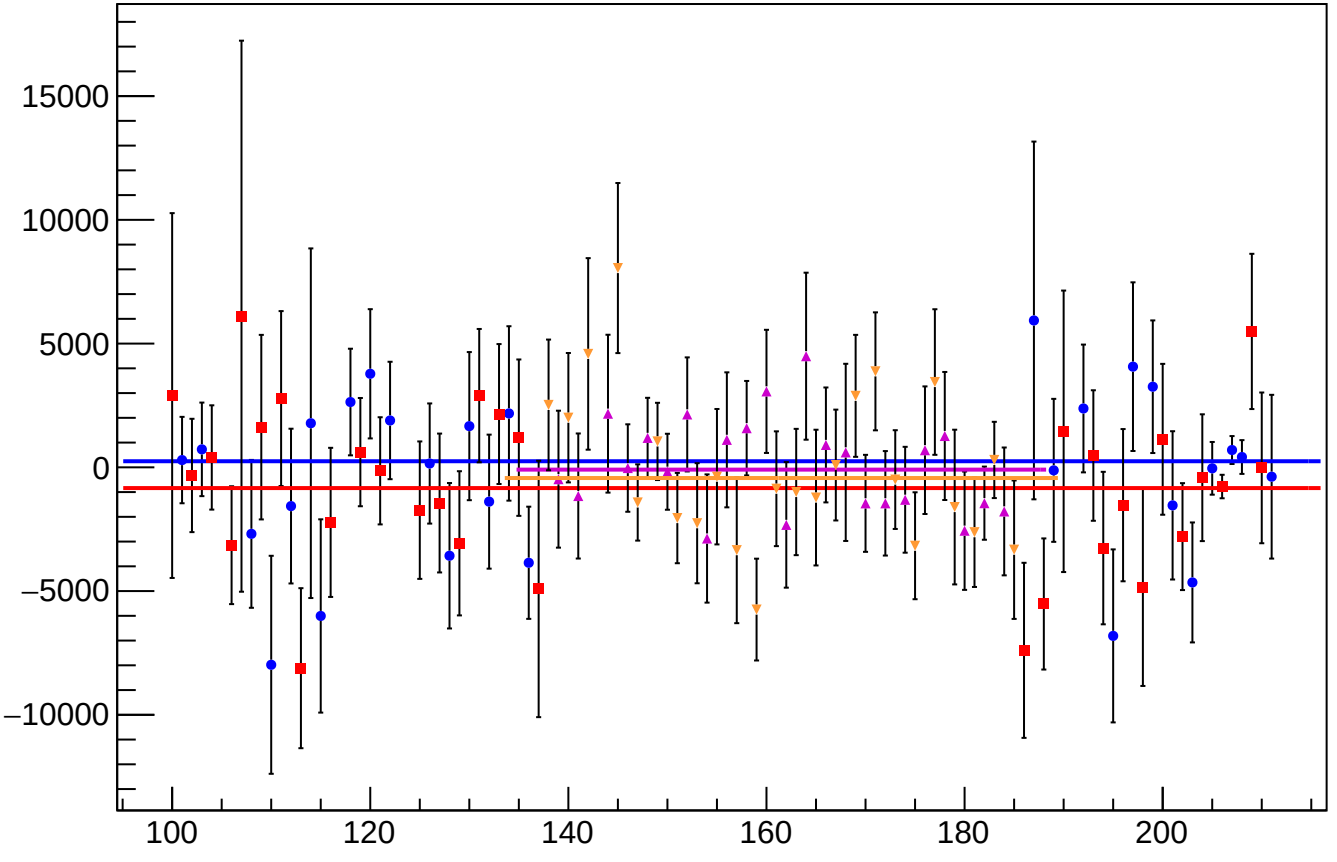
Right: 2249.442+/-0.273 χ^2/NDF: 724458.3/58

In: 2212.029+/-0.265 χ^2/NDF:549637.3/50

Out: 2218.722+/-0.261 χ^2/NDF:206325.3/54

All: 2215.430+/-0.186 χ^2/NDF: 756285.5/105

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 246.179+/-325.231 χ^2/NDF: 30.0/27

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -838.233+/-354.137 χ^2/NDF: 28.2/30

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

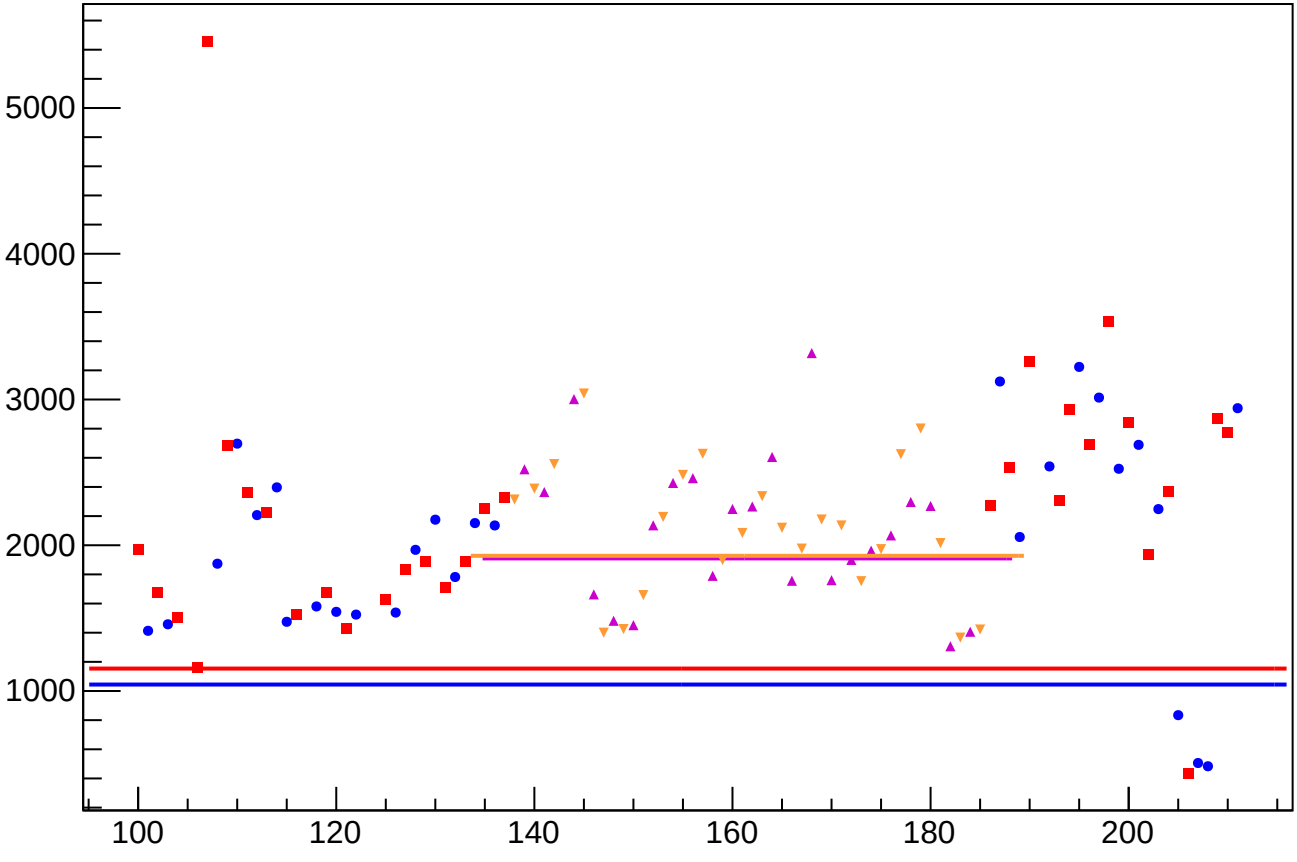
Right: -249.971+/-239.541 χ^2/NDF: 63.3/58

In: 133.488+/-265.689 χ^2/NDF:43.2/50

Out: -688.159+/-281.150 χ^2/NDF:60.0/54

All: -254.124+/-193.105 χ^2/NDF: 107.6/105

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1044.291+/-0.230 χ^2/NDF: 10794297.1/27

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1153.903+/-0.250 χ^2/NDF: 12724667.9/30

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

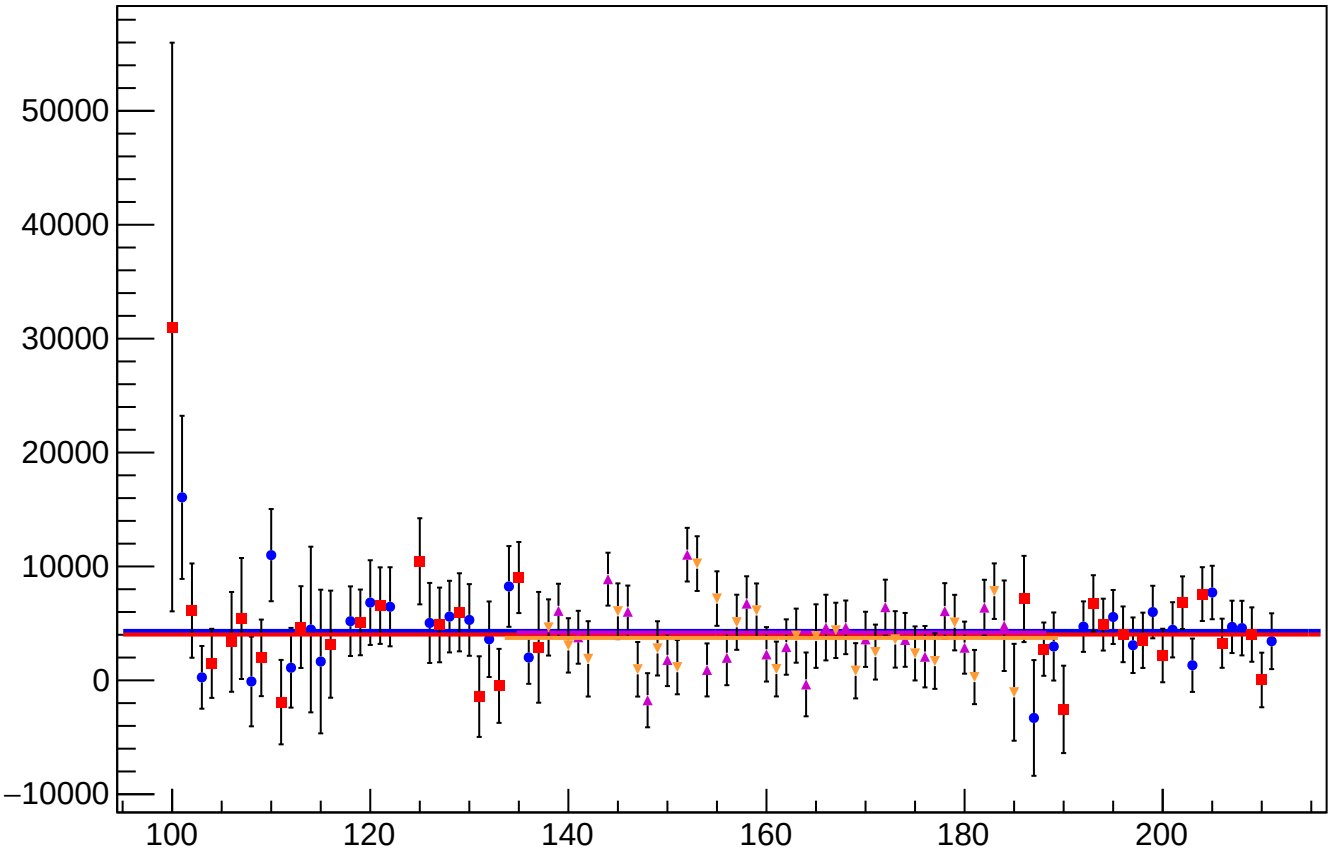
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1094.442+/-0.169 χ^2/NDF: 23622905.8/58

In: 1332.128+/-0.188 χ^2/NDF:17446075.1/50

Out: 1439.976+/-0.199 χ^2/NDF:18053017.2/54

All: 1383.006+/-0.137 χ^2/NDF: 35654550.9/1



Right In: 4340.268+/-554.070 χ^2/NDF: 20.8/27

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4018.794+/-539.080 χ^2/NDF: 28.7/30

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

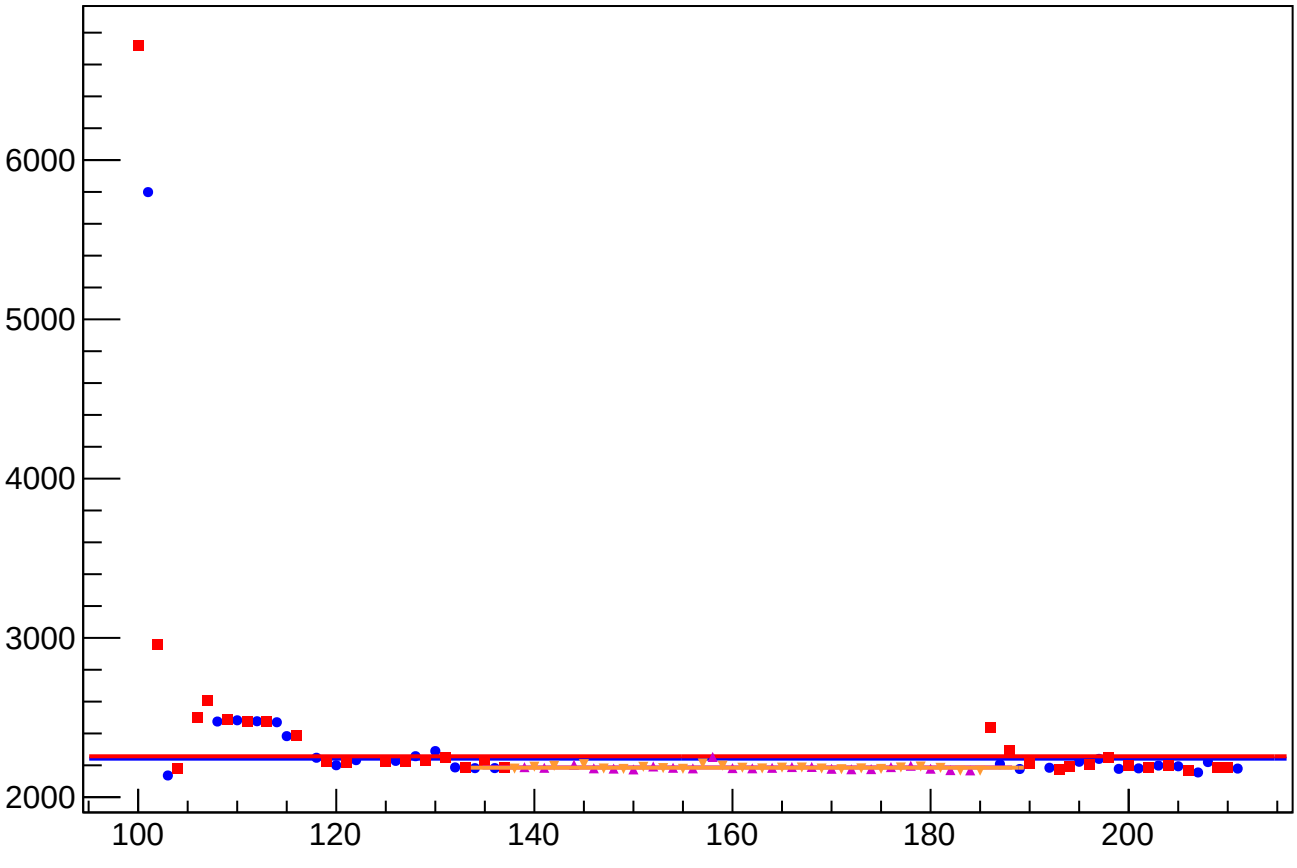
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4175.124+/-386.378 χ^2/NDF: 49.6/58

In: 4262.283+/-375.469 χ^2/NDF:52.9/50

Out: 3862.109+/-369.384 χ^2/NDF:54.3/54

All: 4058.927+/-263.319 χ^2/NDF: 107.8/105



Right In: 2241.805+/-0.392 χ^2/NDF: 536893.1/27

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2256.672+/-0.381 χ^2/NDF: 186825.4/30

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

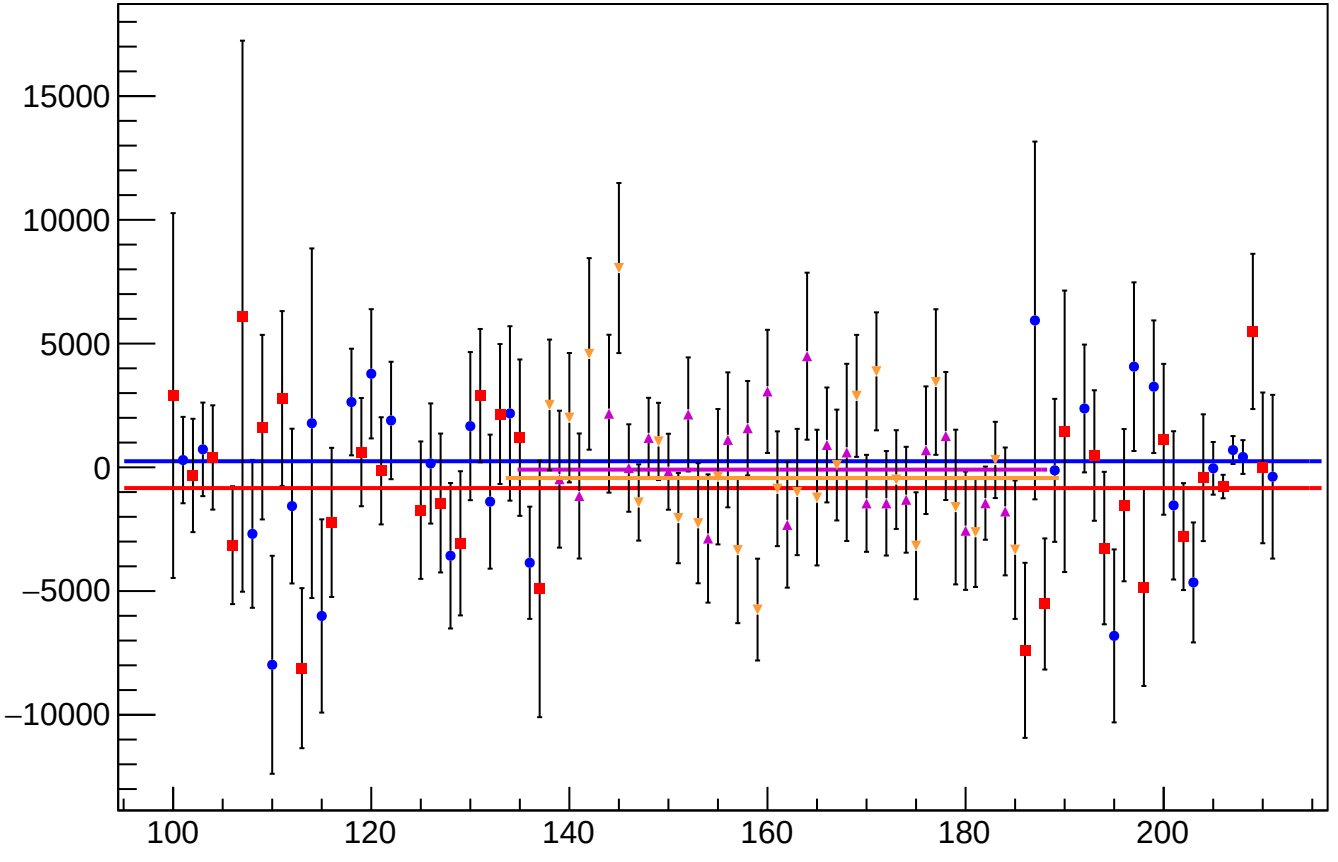
Right: 2249.442+/-0.273 χ^2/NDF: 724458.3/58

In: 2212.029+/-0.265 χ^2/NDF:549637.3/50

Out: 2218.722+/-0.261 χ^2/NDF:206325.3/54

All: 2215.430+/-0.186 χ^2/NDF: 756285.5/105

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 246.179+/-325.231 χ^2/NDF: 30.0/27

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -838.233+/-354.137 χ^2/NDF: 28.2/30

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

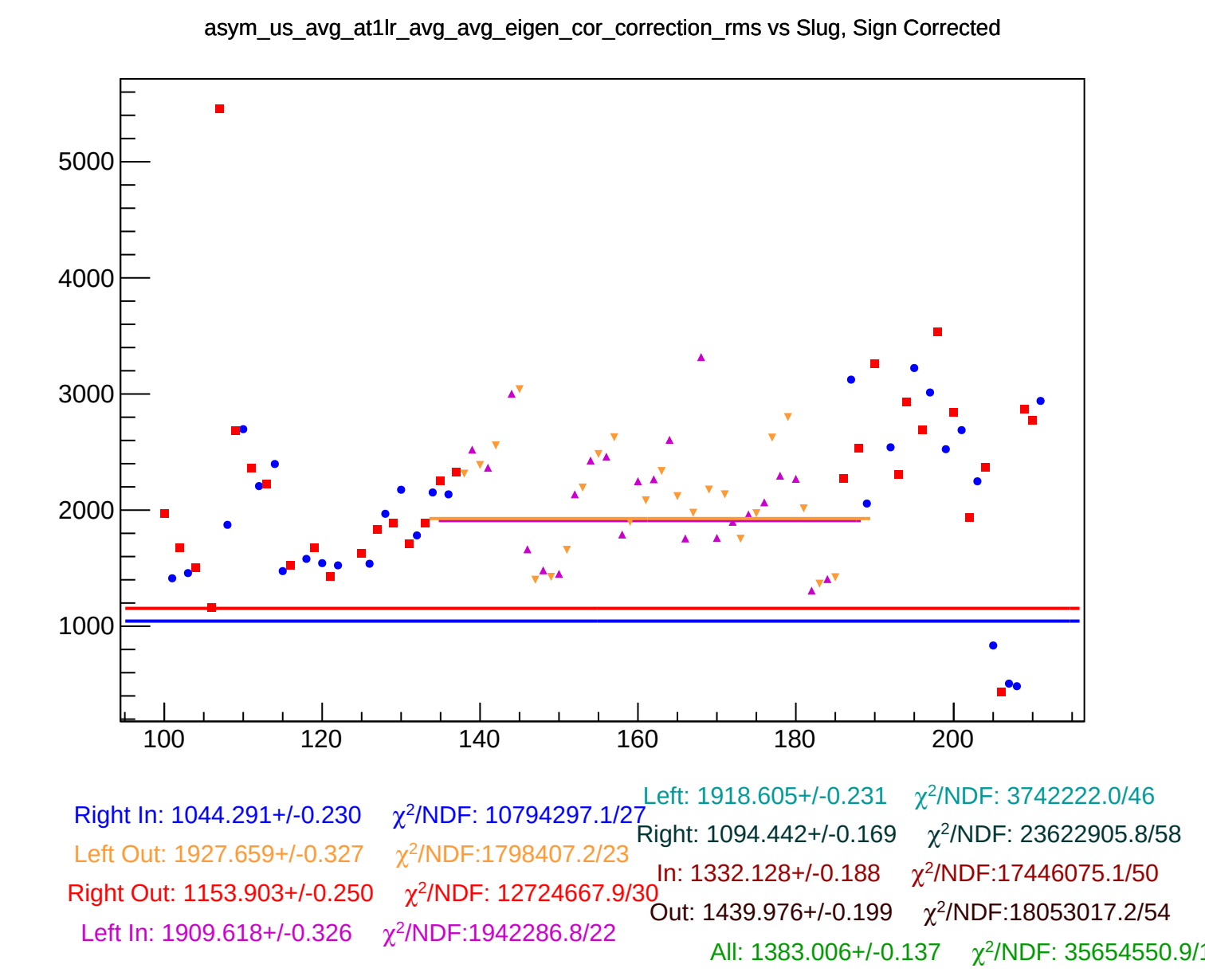
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

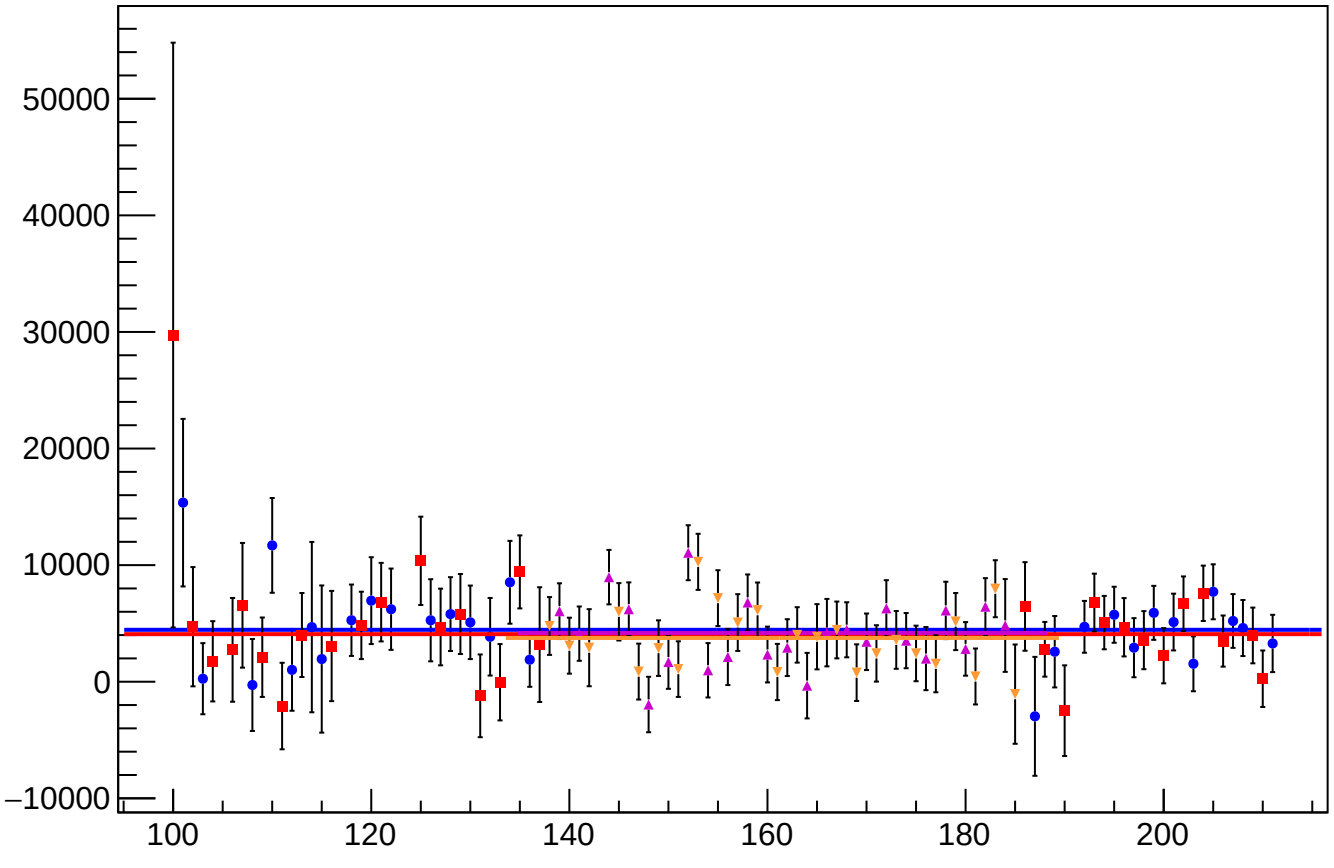
Right: -249.971+/-239.541 χ^2/NDF: 63.3/58

In: 133.488+/-265.689 χ^2/NDF:43.2/50

Out: -688.159+/-281.150 χ^2/NDF:60.0/54

All: -254.124+/-193.105 χ^2/NDF: 107.6/105


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1044.291+/-0.230 χ²/NDF: 10794297.1/27
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1153.903+/-0.250 χ²/NDF: 12724667.9/30
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1094.442+/-0.169 χ²/NDF: 23622905.8/58
In: 1332.128+/-0.188 χ²/NDF:17446075.1/50
Out: 1439.976+/-0.199 χ²/NDF:18053017.2/54
All: 1383.006+/-0.137 χ²/NDF: 35654550.9/1



Right In: 4453.163+/-559.707 χ^2/NDF: 21.0/27

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4080.609+/-546.873 χ^2/NDF: 27.1/30

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

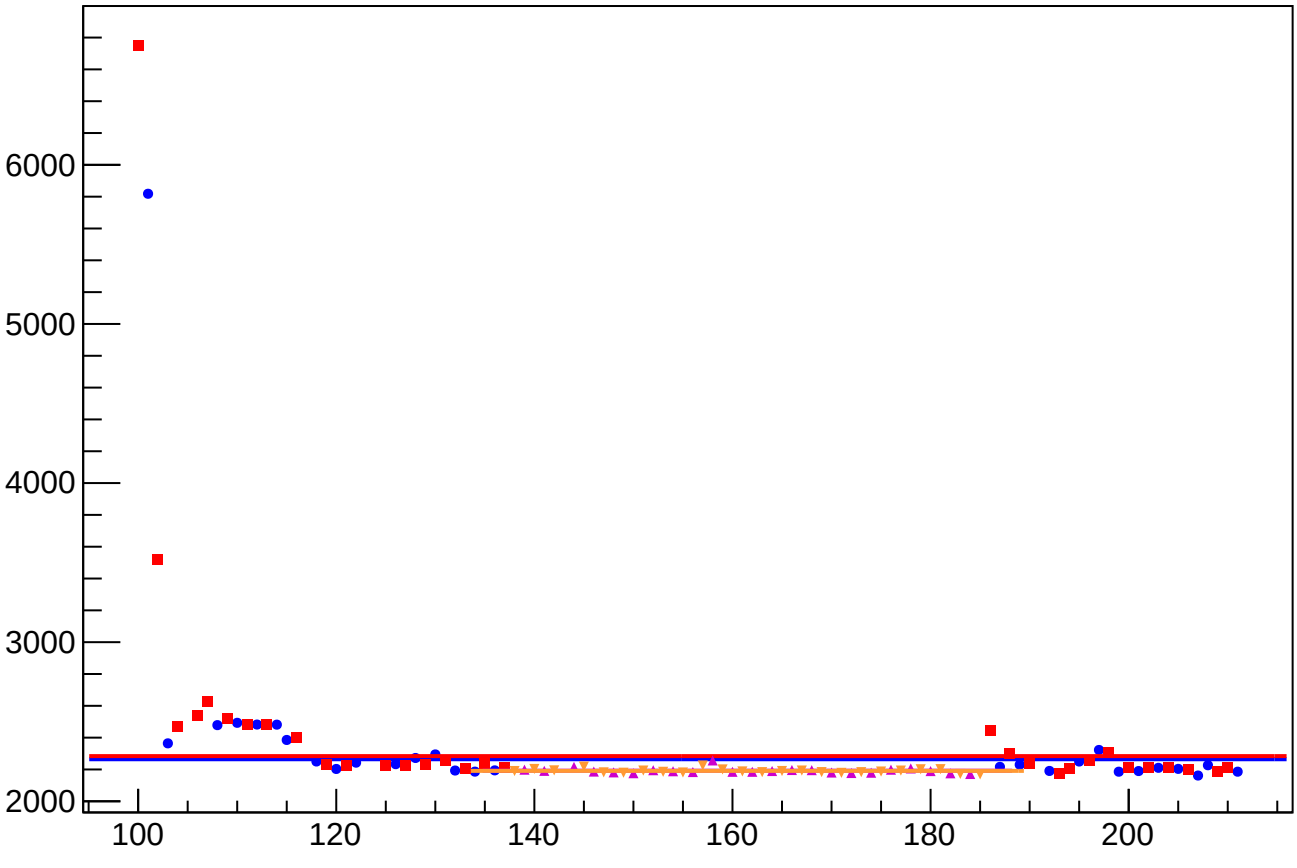
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4262.566+/-391.156 χ^2/NDF: 48.3/58

In: 4306.704+/-377.726 χ^2/NDF:53.7/50

Out: 3905.501+/-372.418 χ^2/NDF:53.0/54

All: 4103.264+/-265.196 χ^2/NDF: 107.3/105



Right In: 2264.217+/-0.396 χ^2/NDF: 535352.2/27

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2283.891+/-0.387 χ^2/NDF: 252576.5/30

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

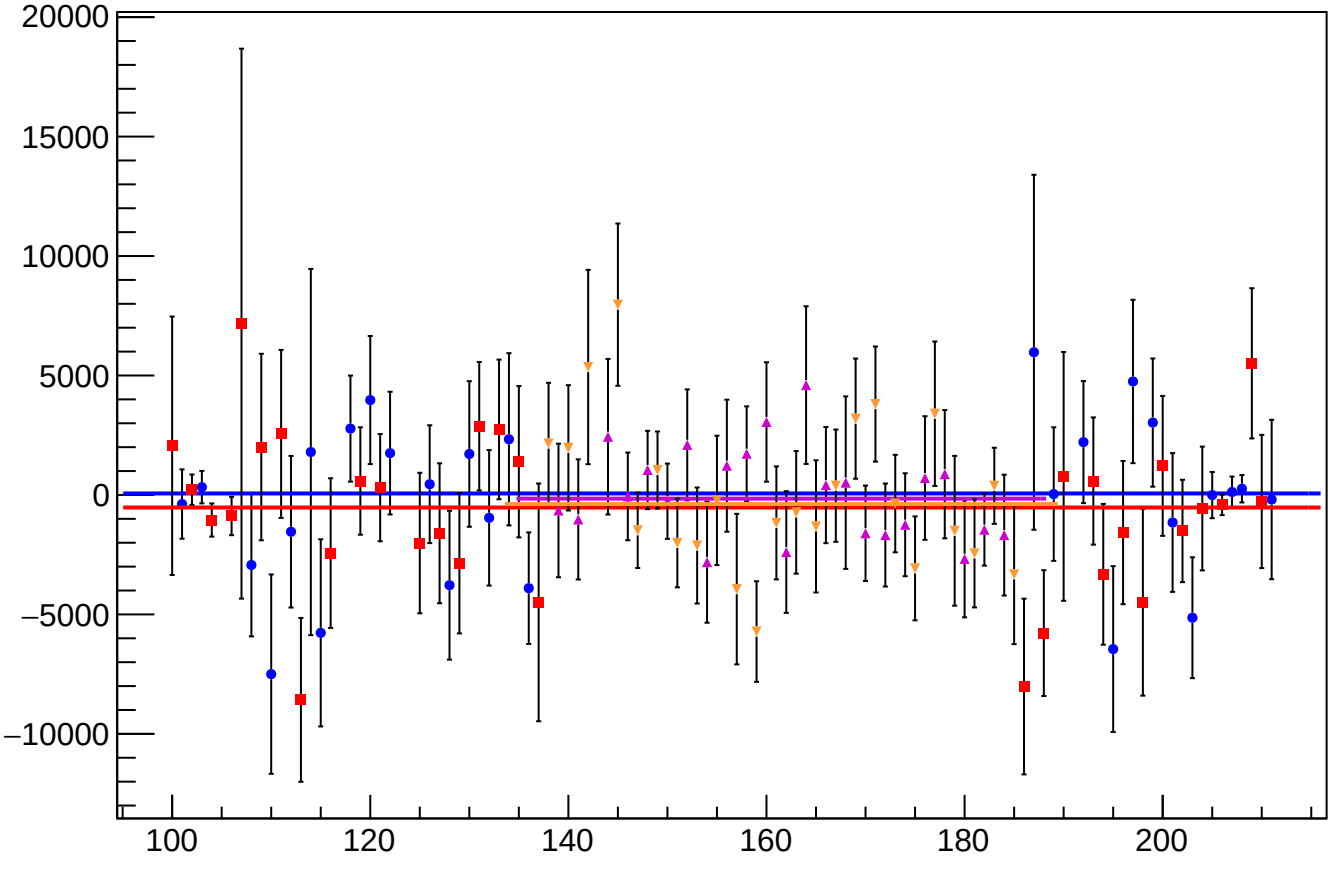
Right: 2274.282+/-0.277 χ^2/NDF: 789193.1/58

In: 2225.000+/-0.267 χ^2/NDF:555664.4/50

Out: 2234.158+/-0.263 χ^2/NDF:284651.5/54

All: 2229.643+/-0.188 χ^2/NDF: 840912.0/105

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 62.593+/-292.065 χ^2/NDF: 28.9/27

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -525.537+/-262.792 χ^2/NDF: 29.9/30

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

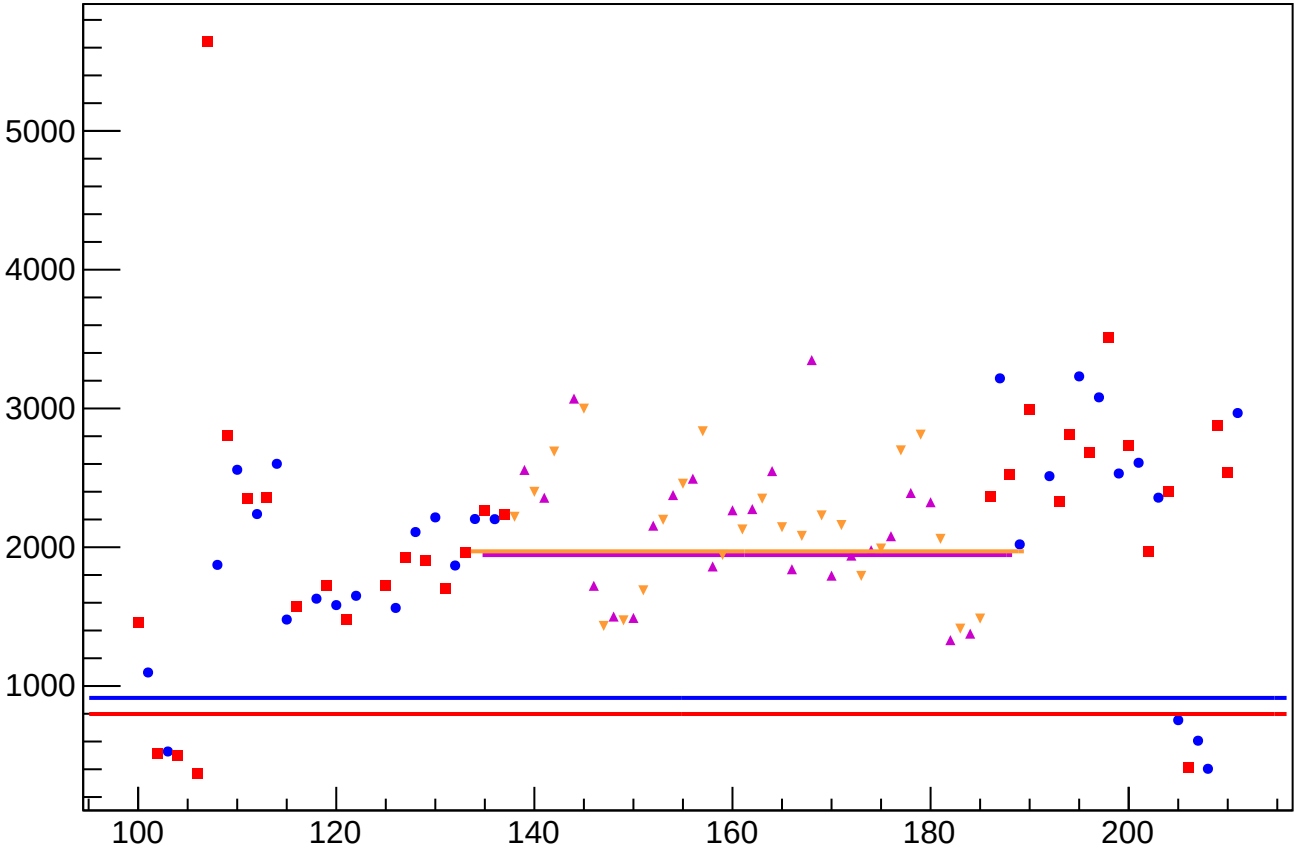
Right: -262.414+/-195.354 χ^2/NDF: 61.0/58

In: 1.739+/-247.774 χ^2/NDF:41.8/50

Out: -491.156+/-229.544 χ^2/NDF:60.7/54

All: -263.506+/-168.388 χ^2/NDF: 104.7/105

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 914.313+/-0.207 χ^2/NDF: 11962970.9/27

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 798.299+/-0.186 χ^2/NDF: 16075342.6/30

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

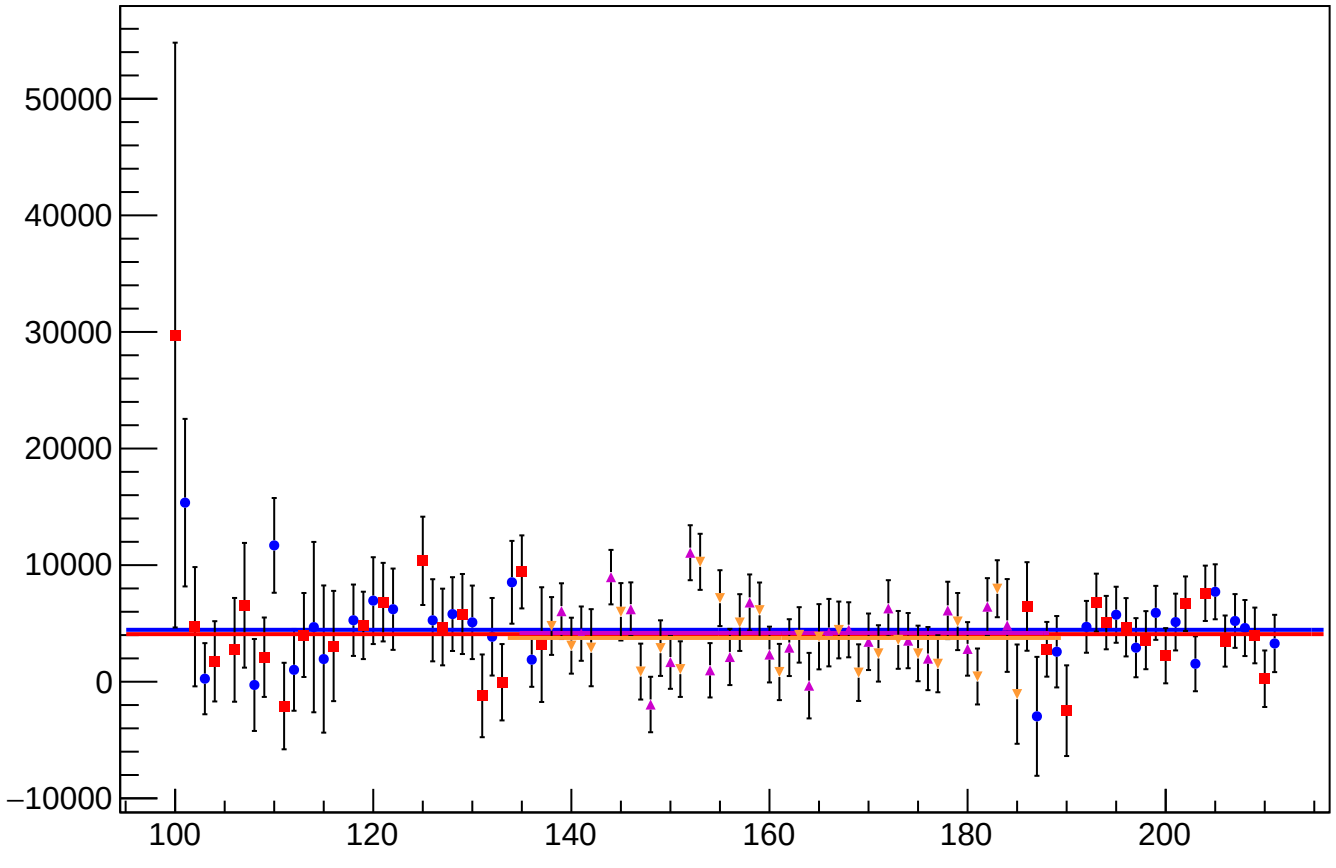
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 850.202+/-0.138 χ^2/NDF: 28212698.5/58

In: 1202.828+/-0.175 χ^2/NDF:20808780.7/50

Out: 1076.183+/-0.162 χ^2/NDF:27206709.2/54

All: 1134.676+/-0.119 χ^2/NDF: 48296672.4/



Right In: 4453.161+/-559.707 χ^2/NDF: 21.0/27

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4080.605+/-546.873 χ^2/NDF: 27.1/30

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

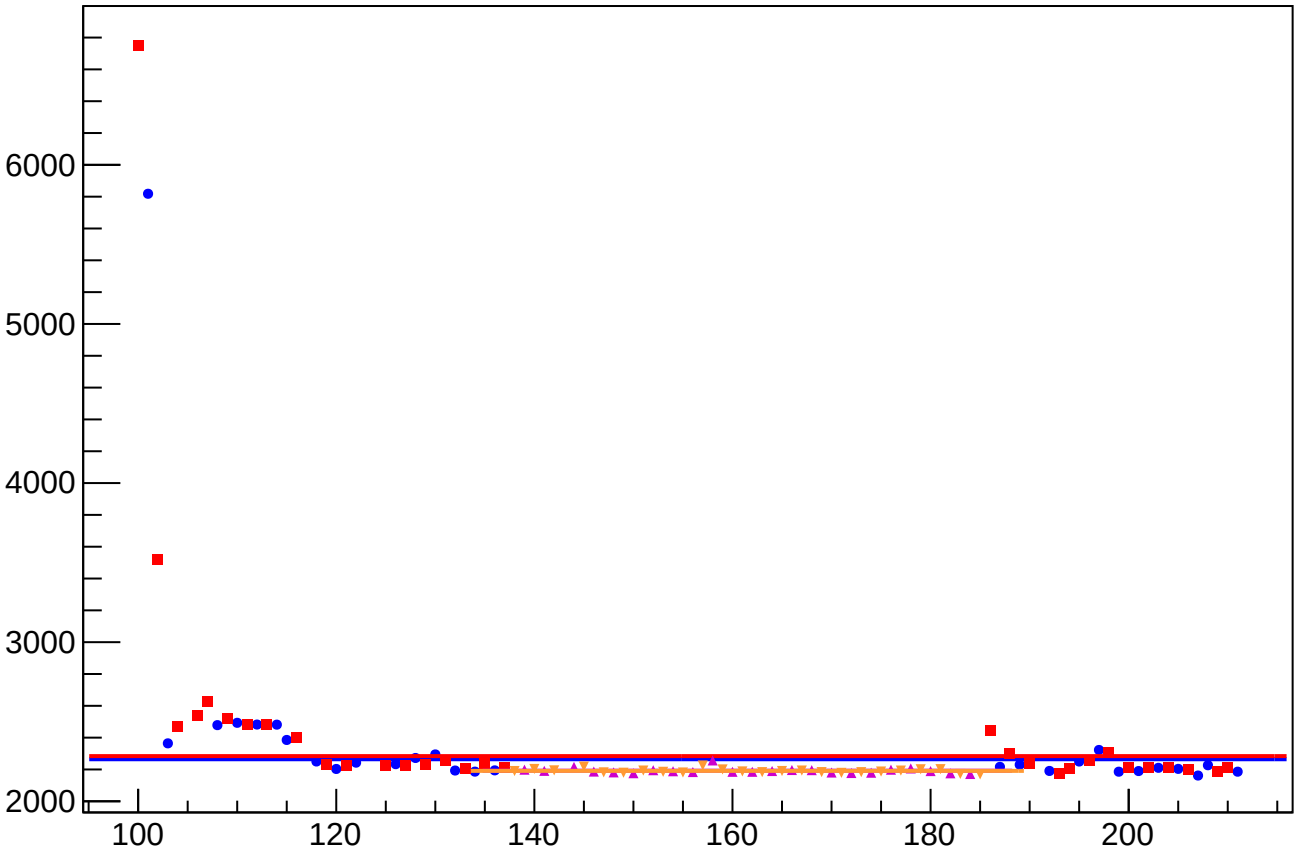
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4262.563+/-391.156 χ^2/NDF: 48.3/58

In: 4306.704+/-377.726 χ^2/NDF:53.7/50

Out: 3905.499+/-372.418 χ^2/NDF:53.0/54

All: 4103.263+/-265.196 χ^2/NDF: 107.3/105



Right In: 2264.216+/-0.396 χ^2/NDF: 535352.0/27

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2283.891+/-0.387 χ^2/NDF: 252575.3/30

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

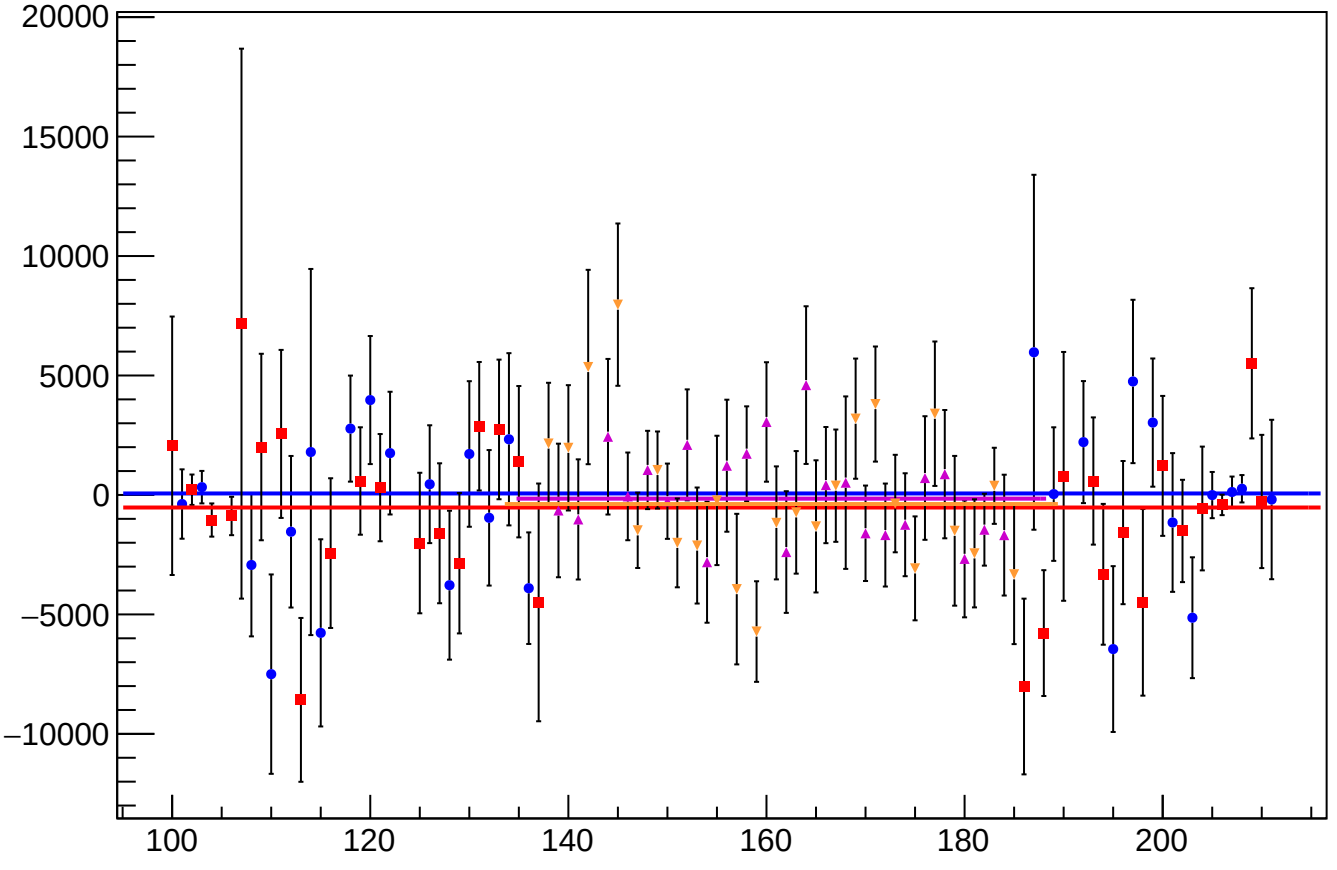
Right: 2274.282+/-0.277 χ^2/NDF: 789191.7/58

In: 2225.000+/-0.267 χ^2/NDF:555664.1/50

Out: 2234.157+/-0.263 χ^2/NDF:284650.1/54

All: 2229.643+/-0.188 χ^2/NDF: 840910.3/105

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 62.589+/-292.065 χ^2/NDF: 28.9/27

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -525.534+/-262.793 χ^2/NDF: 29.9/30

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

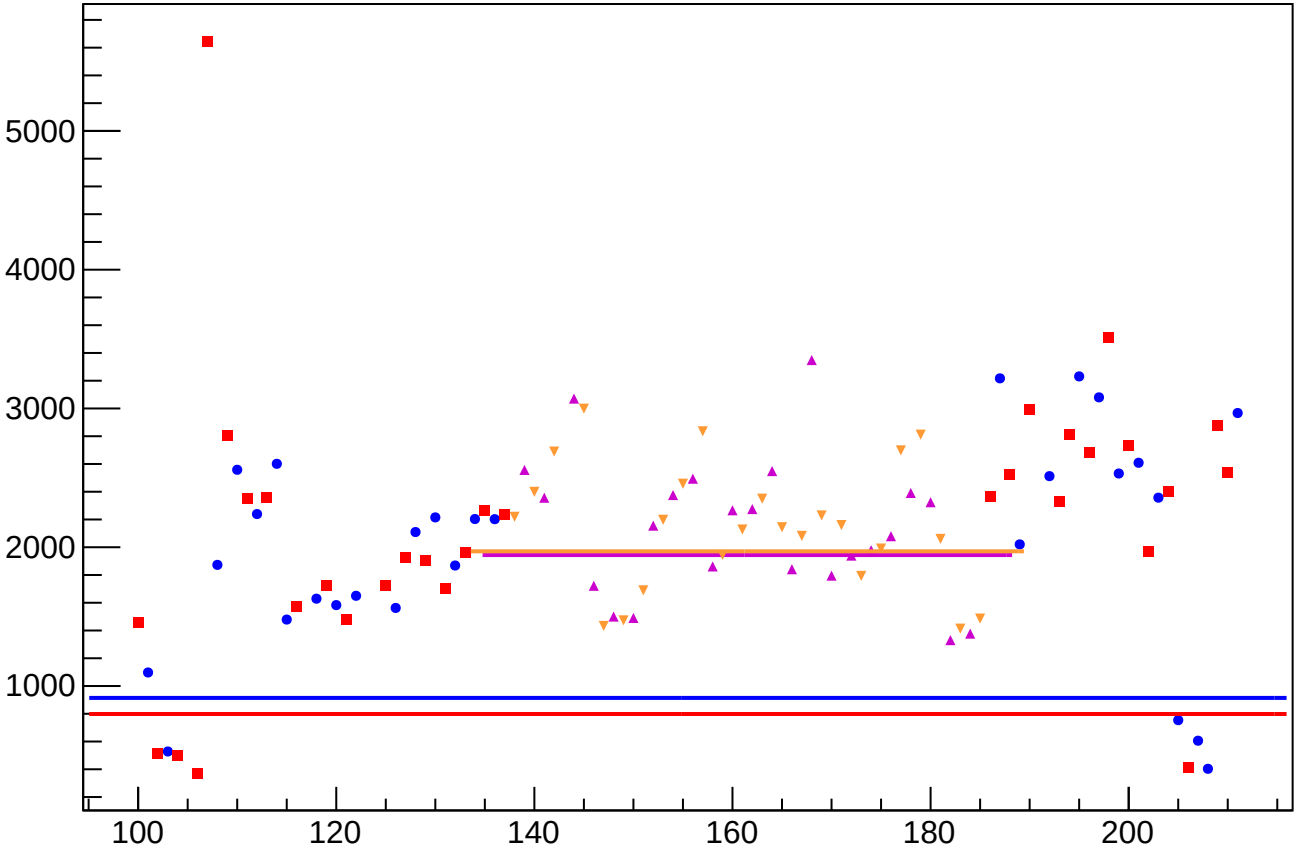
Right: -262.413+/-195.354 χ^2/NDF: 61.0/58

In: 1.736+/-247.774 χ^2/NDF:41.8/50

Out: -491.155+/-229.545 χ^2/NDF:60.7/54

All: -263.506+/-168.389 χ^2/NDF: 104.7/105

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 914.313+/-0.207 χ^2/NDF: 11962988.4/27

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 798.304+/-0.186 χ^2/NDF: 16075271.4/30

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

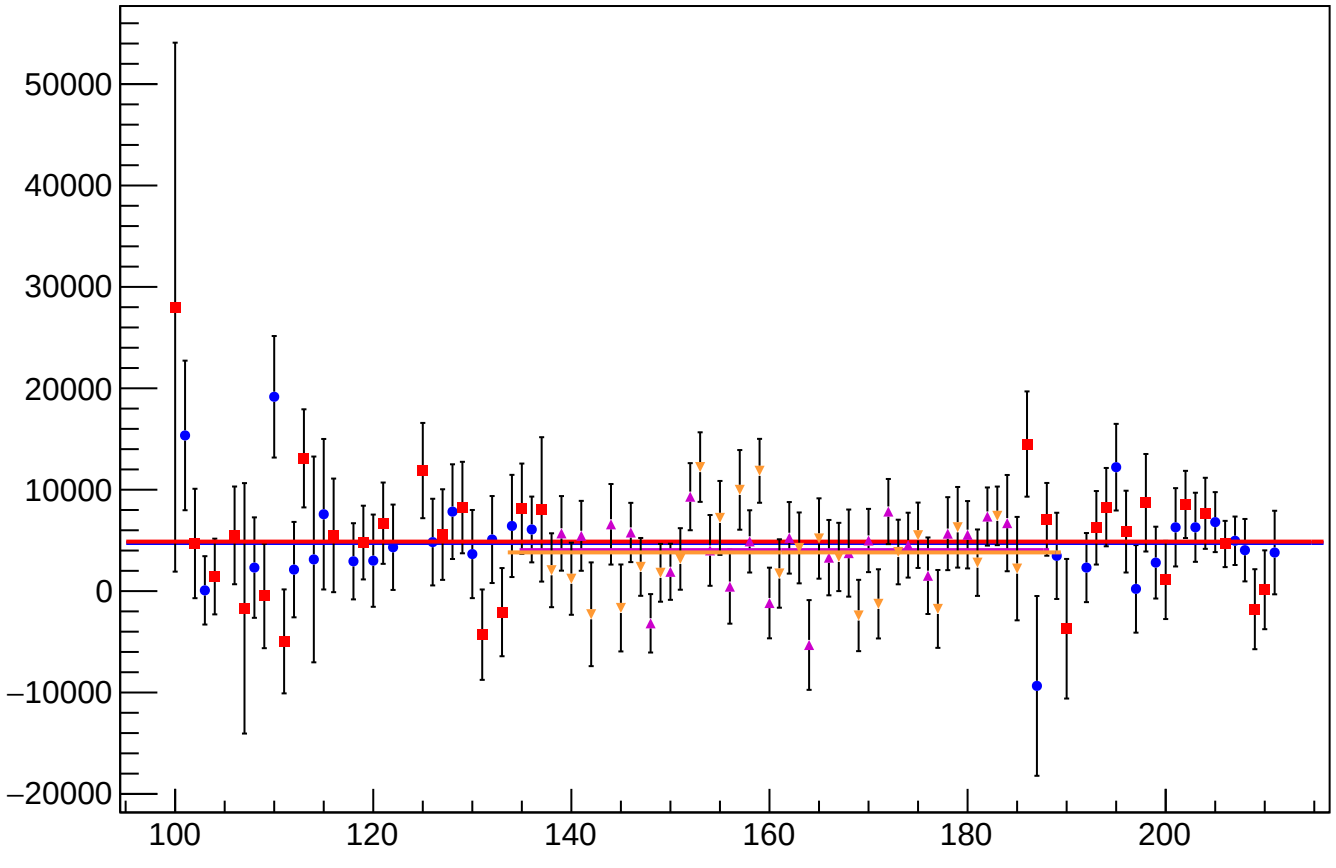
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 850.205+/-0.138 χ^2/NDF: 28212629.5/58

In: 1202.828+/-0.175 χ^2/NDF:20808827.0/50

Out: 1076.188+/-0.162 χ^2/NDF:27206574.1/54

All: 1134.679+/-0.119 χ^2/NDF: 48296559.5/1



Right In: 4746.801+/-763.475 χ^2/NDF: 20.2/27

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 4882.233+/-764.784 χ^2/NDF: 34.3/30

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

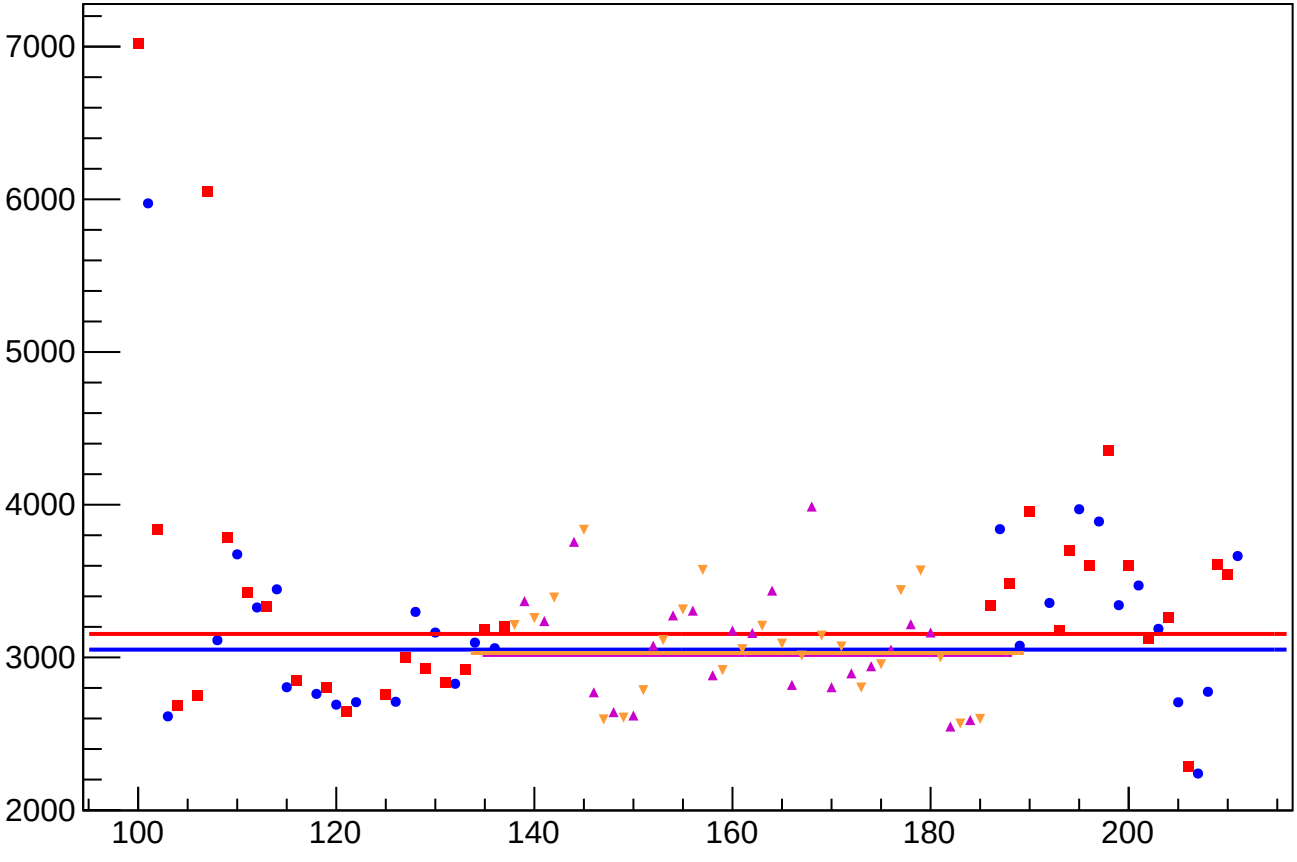
Right: 4814.401+/-540.321 χ^2/NDF: 54.5/58

In: 4368.871+/-519.756 χ^2/NDF:43.2/50

Out: 4309.290+/-519.671 χ^2/NDF:66.2/54

All: 4339.076+/-367.493 χ^2/NDF: 109.4/105

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3051.103+/-0.540 χ^2/NDF: 1003809.2/27

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3153.651+/-0.541 χ^2/NDF: 965214.2/30

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

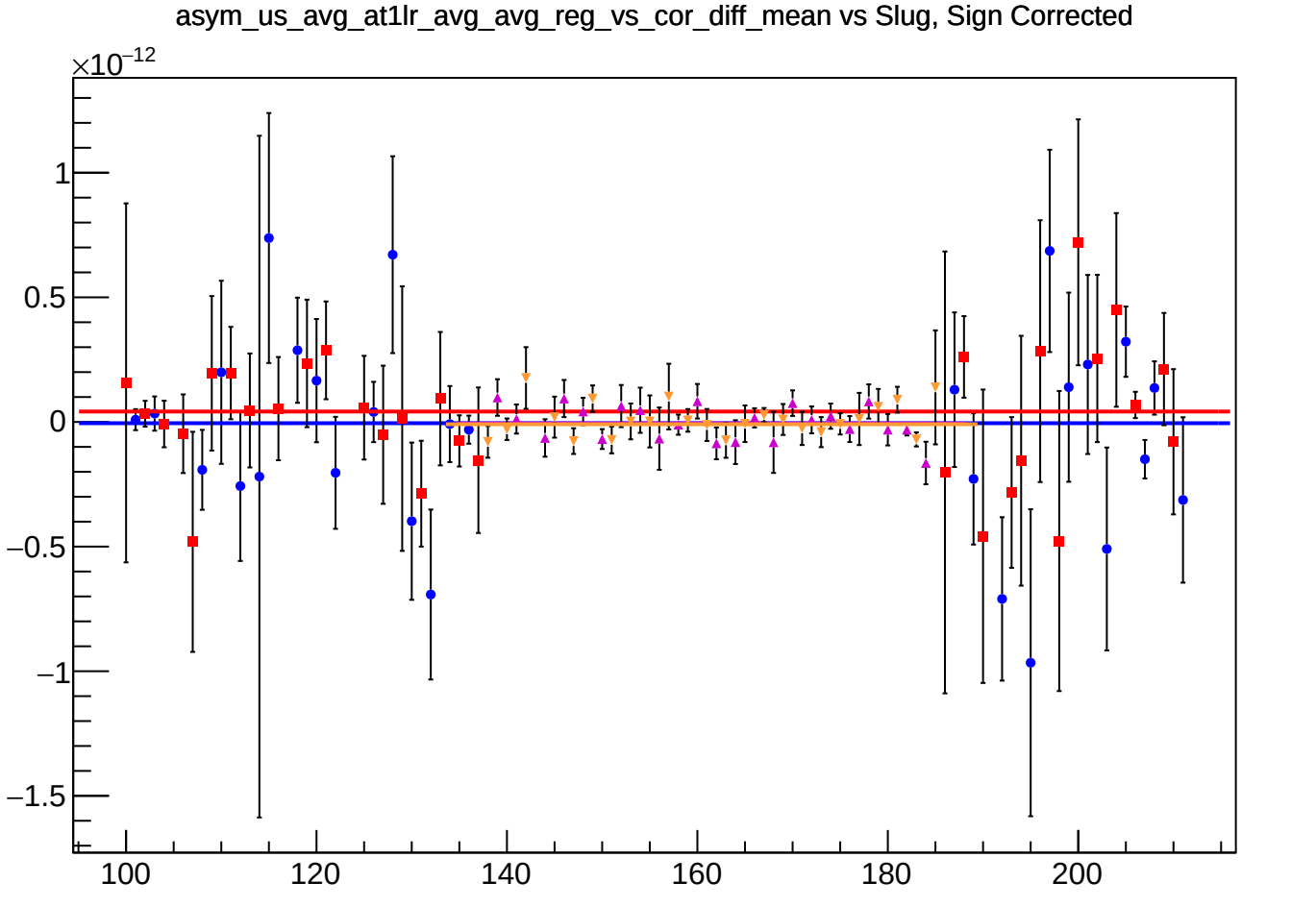
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3102.289+/-0.382 χ^2/NDF: 1987033.9/58

In: 3032.404+/-0.368 χ^2/NDF:1445943.1/50

Out: 3086.545+/-0.367 χ^2/NDF:1390932.4/54

All: 3059.479+/-0.260 χ^2/NDF: 2847728.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

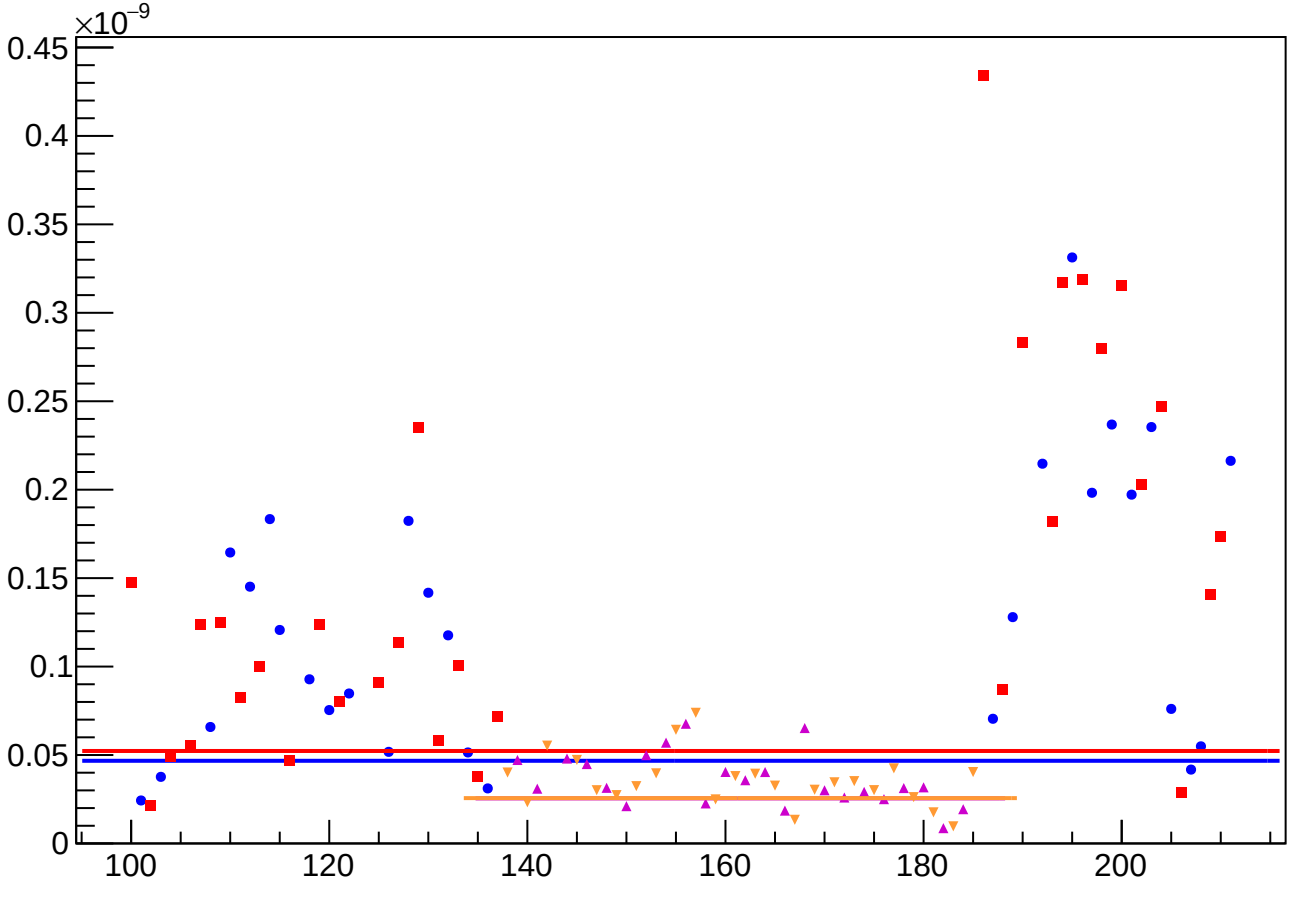
Right: 0.000+/-0.000 χ^2/NDF: 62.0/58

In: -0.000+/-0.000 χ^2/NDF:64.9/50

Out: -0.000+/-0.000 χ^2/NDF:45.9/54

All: -0.000+/-0.000 χ^2/NDF: 110.8/105

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5301255.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6788805.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

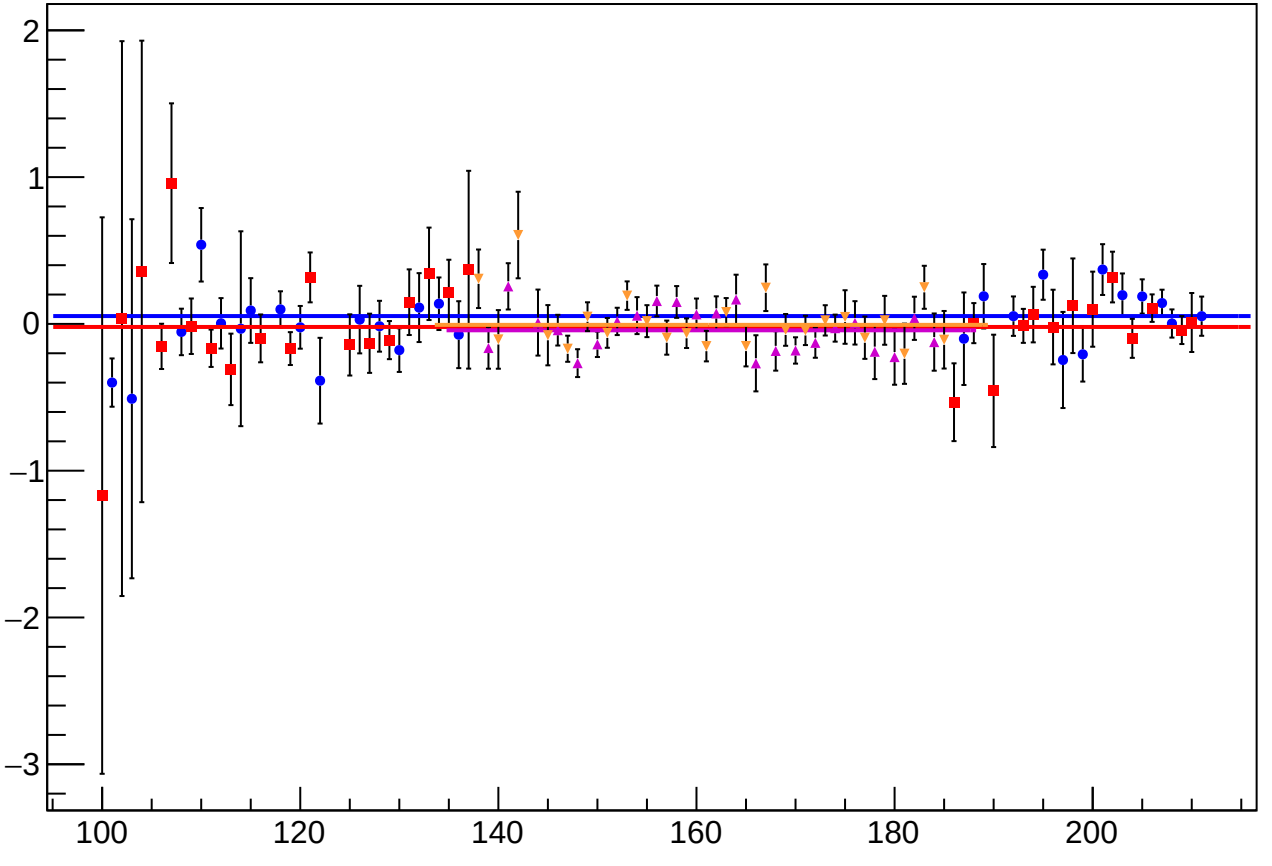
Right: 0.000+/-0.000 χ^2/NDF: 12135963.8/58

In: 0.000+/-0.000 χ^2/NDF:9393751.6/50

Out: 0.000+/-0.000 χ^2/NDF:10832698.4/54

All: 0.000+/-0.000 χ^2/NDF: 20226637.7/105

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

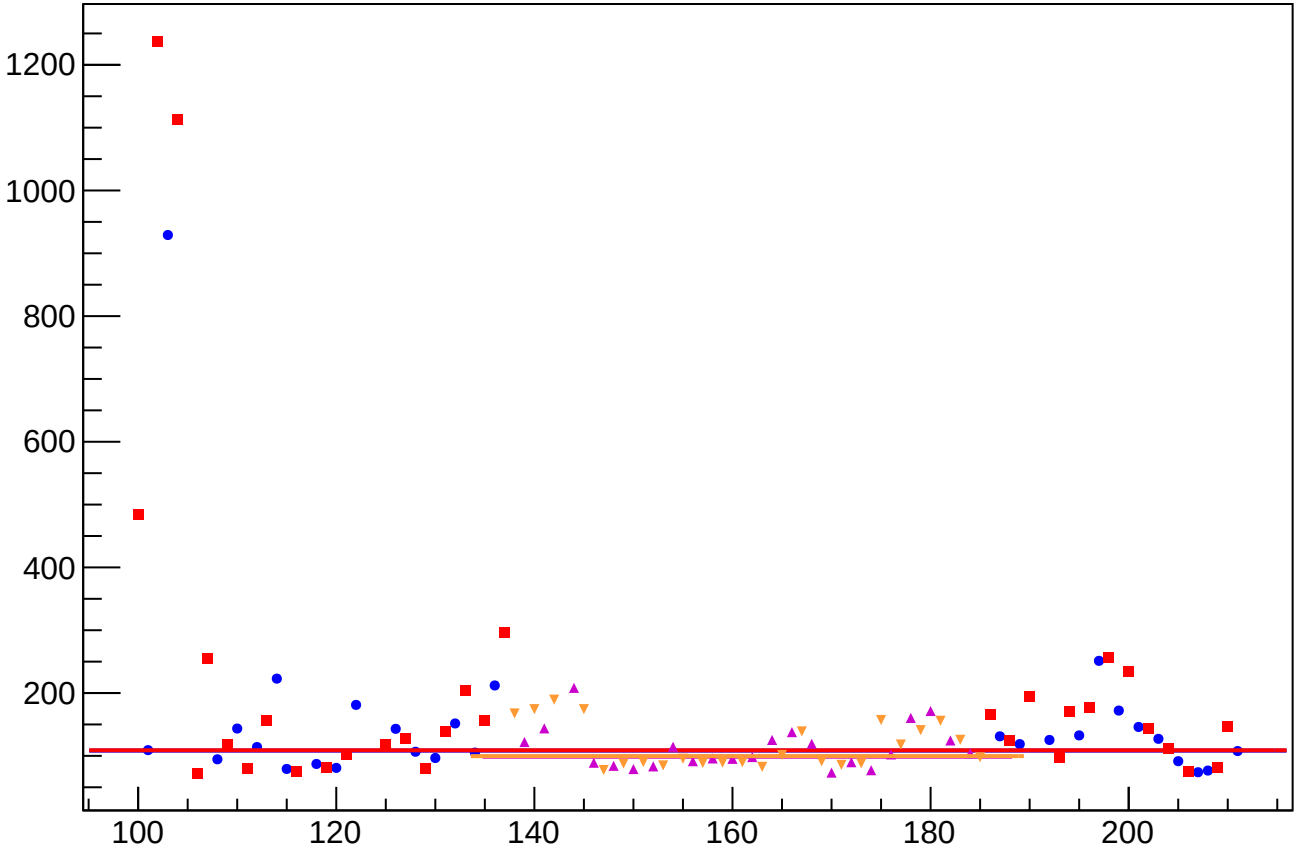
Right: 0.017+/-0.022 χ^2/NDF: 63.2/58

In: -0.005+/-0.019 χ^2/NDF:67.2/50

Out: -0.012+/-0.020 χ^2/NDF:57.2/54

All: -0.009+/-0.014 χ^2/NDF: 124.4/105

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.339+/-0.022 χ^2/NDF: 3225307.7/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 108.896+/-0.022 χ^2/NDF: 4925079.5/30

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

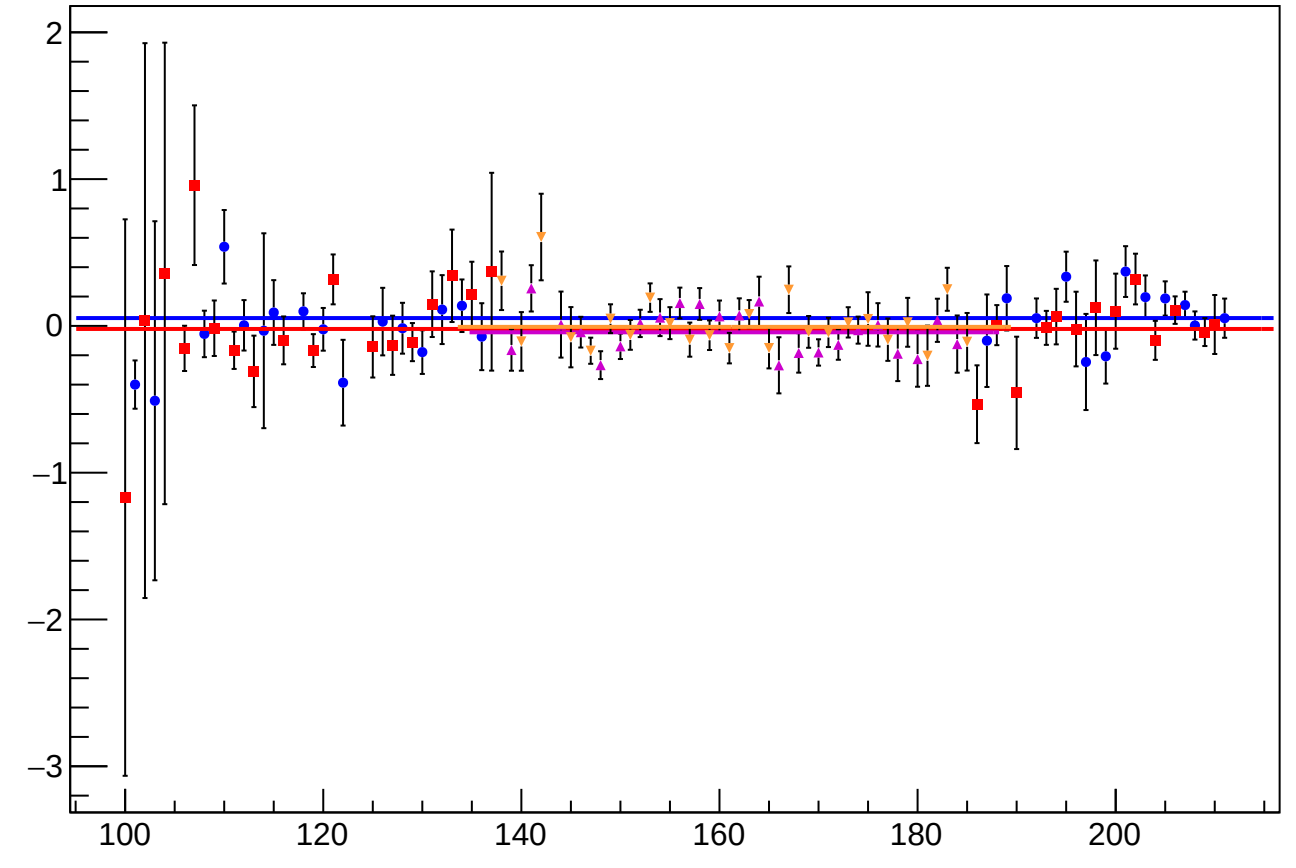
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 108.615+/-0.016 χ^2/NDF: 8150706.7/58

In: 102.485+/-0.014 χ^2/NDF:5346168.7/50

Out: 103.273+/-0.014 χ^2/NDF:7102981.3/54

All: 102.875+/-0.010 χ^2/NDF: 12450767.2/10



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

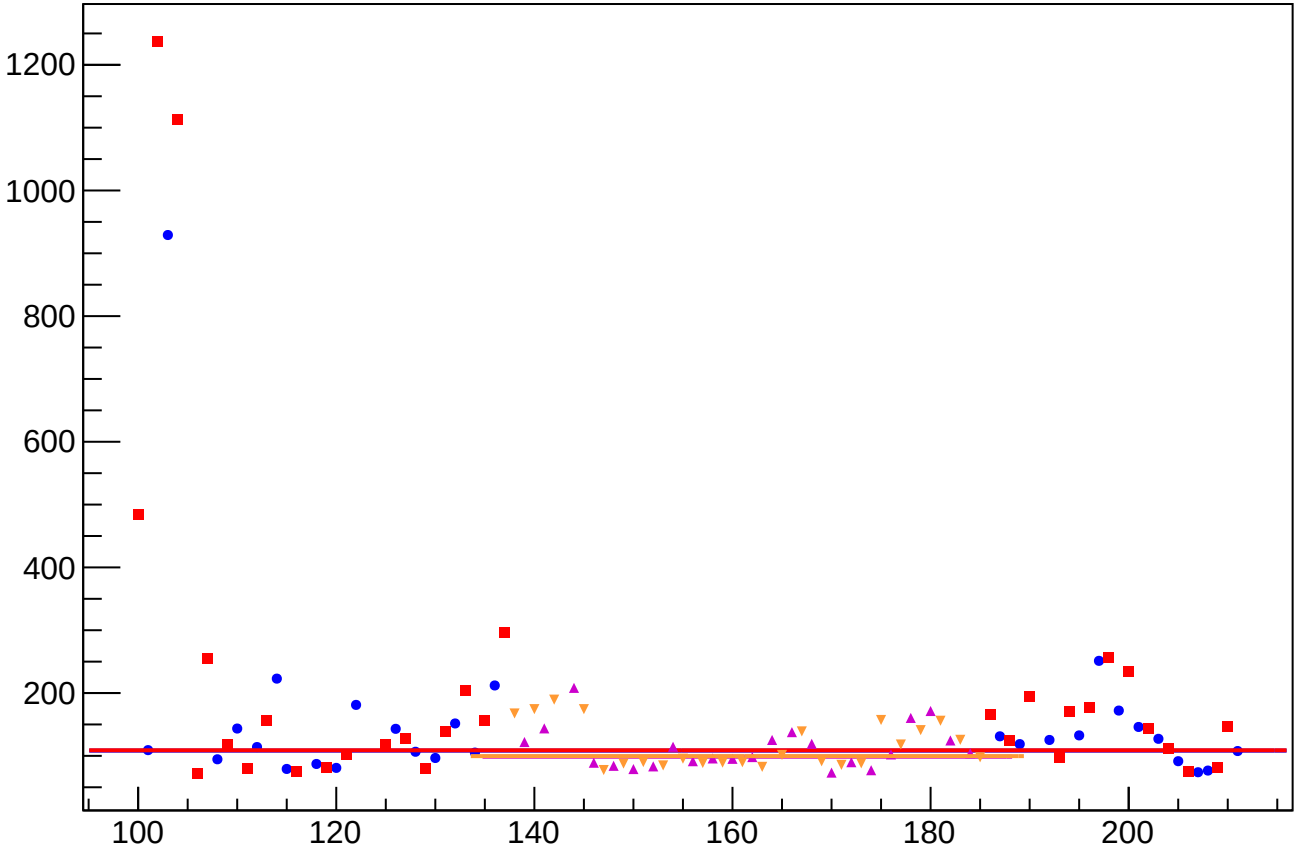
Right: 0.017+/-0.022 χ^2/NDF: 63.2/58

In: -0.005+/-0.019 χ^2/NDF:67.2/50

Out: -0.012+/-0.020 χ^2/NDF:57.2/54

All: -0.009+/-0.014 χ^2/NDF: 124.4/105

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.339+/-0.022 χ^2/NDF: 3225307.7/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 108.896+/-0.022 χ^2/NDF: 4925079.5/30

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

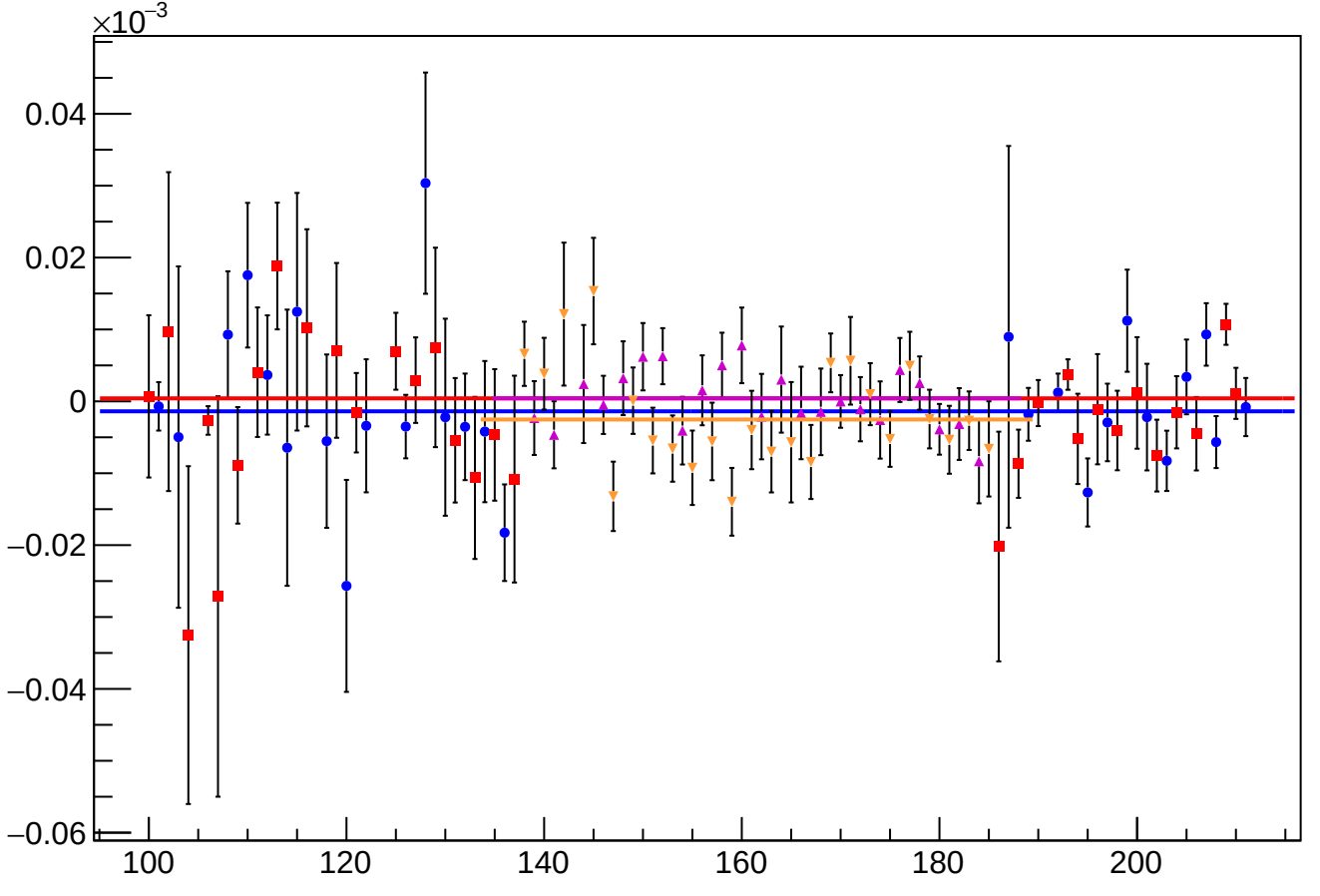
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 108.615+/-0.016 χ^2/NDF: 8150706.7/58

In: 102.485+/-0.014 χ^2/NDF:5346168.7/50

Out: 103.273+/-0.014 χ^2/NDF:7102981.3/54

All: 102.875+/-0.010 χ^2/NDF: 12450767.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/30

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

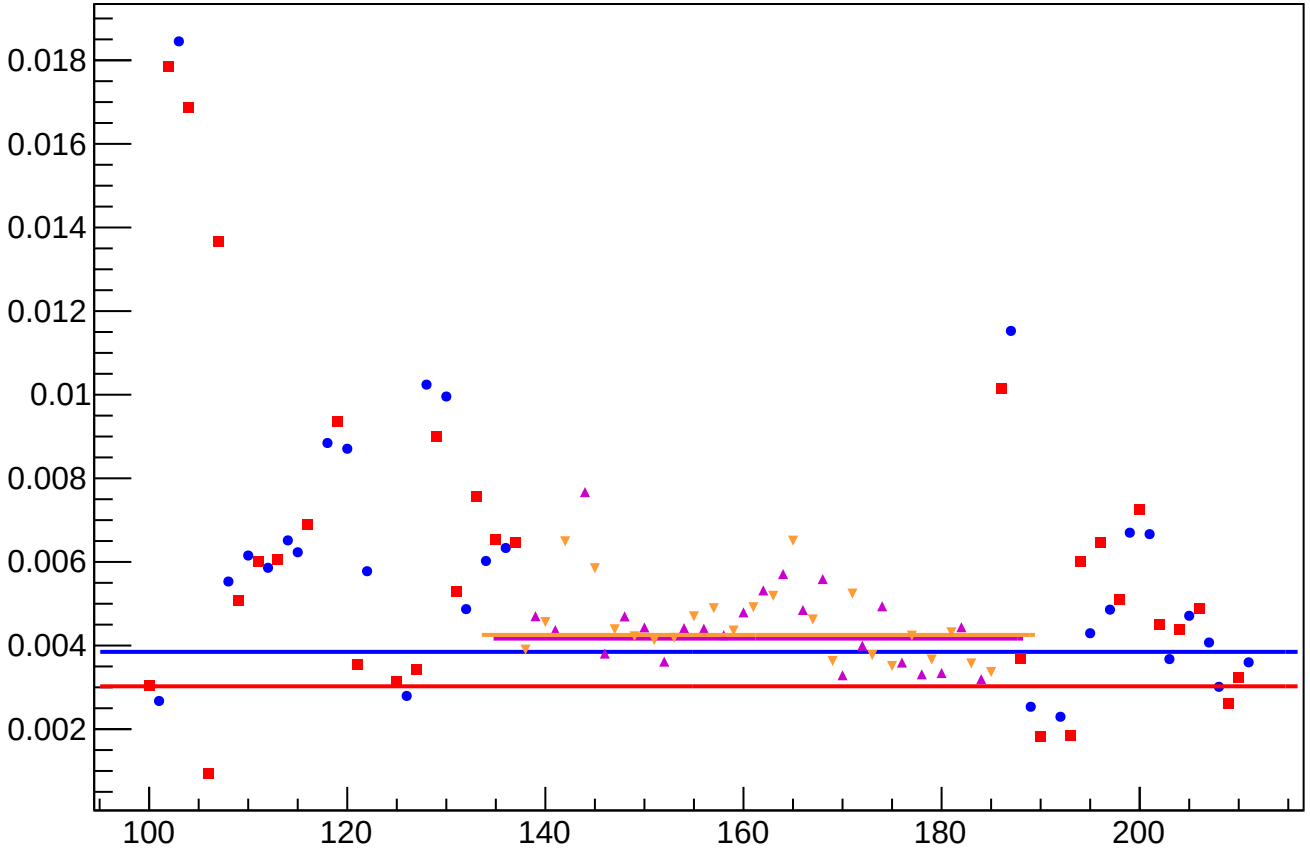
Right: -0.000+/-0.000 χ^2/NDF: 85.5/58

In: -0.000+/-0.000 χ^2/NDF:58.6/50

Out: -0.000+/-0.000 χ^2/NDF:87.5/54

All: -0.000+/-0.000 χ^2/NDF: 146.3/105

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: 5281277.8/27

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10342760.7/30

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

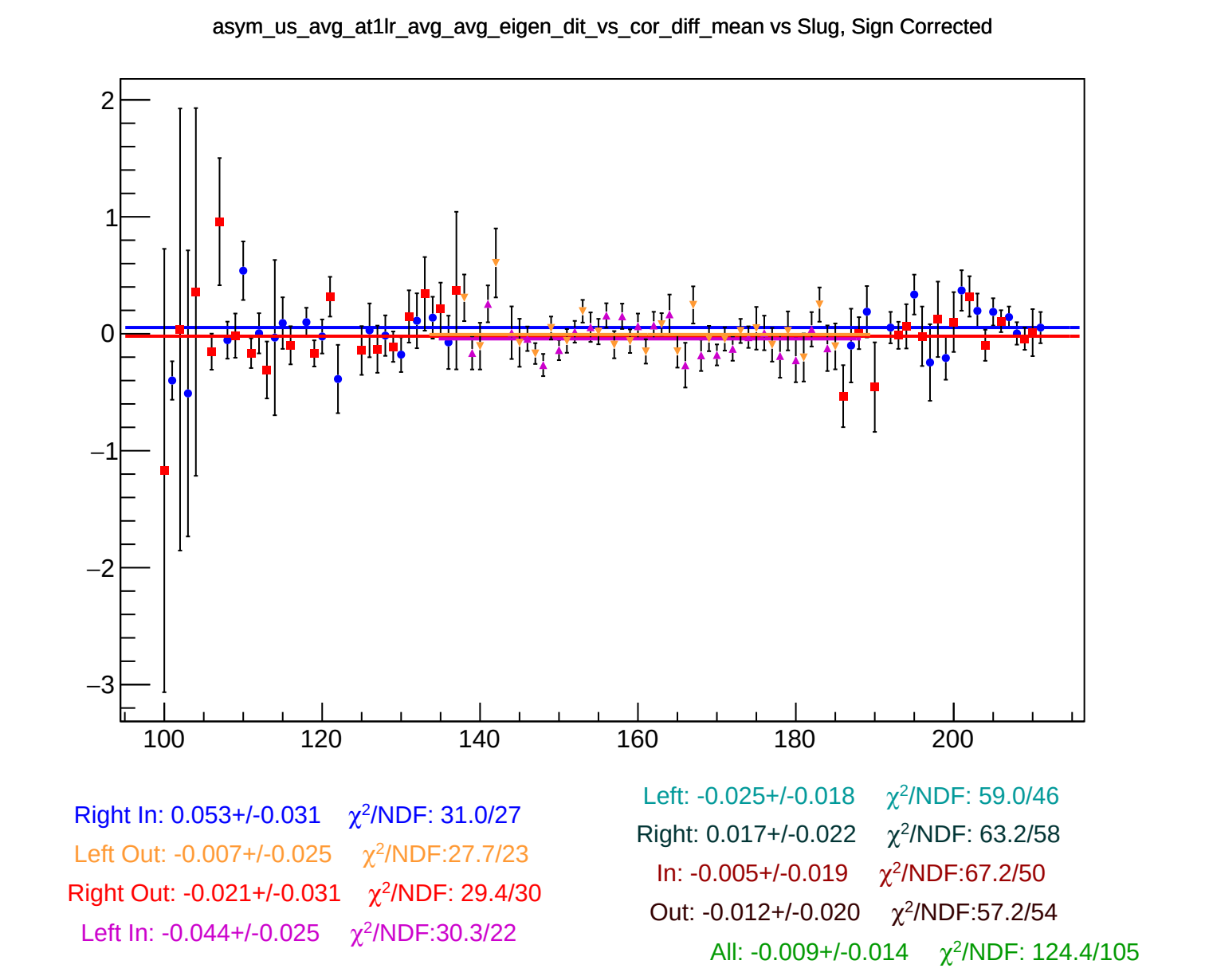
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 16326566.7/58

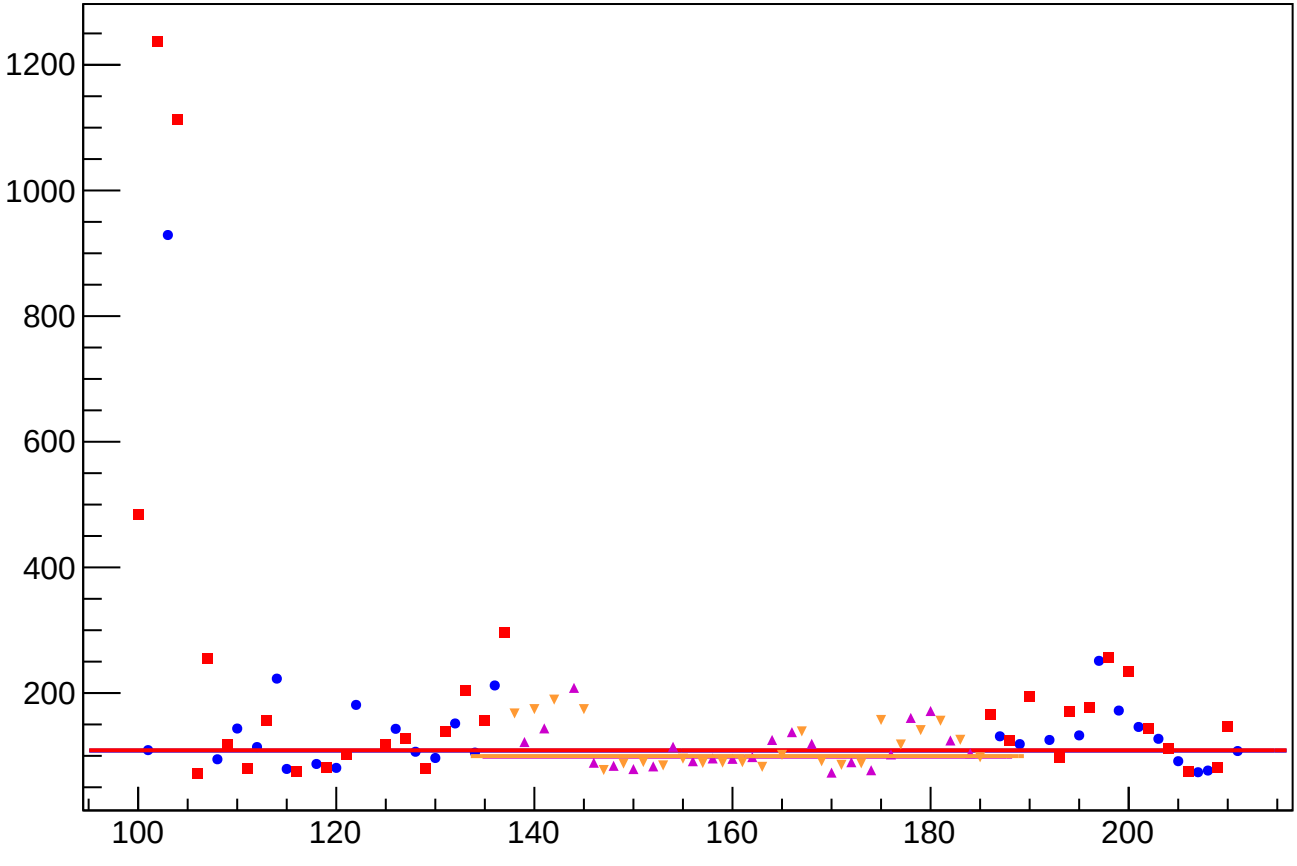
In: 0.004+/-0.000 χ^2/NDF:6653630.9/50

Out: 0.004+/-0.000 χ^2/NDF:12828294.2/54

All: 0.004+/-0.000 χ^2/NDF: 19896328.5/105


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.053+/-0.031 χ²/NDF: 31.0/27
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.021+/-0.031 χ²/NDF: 29.4/30
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: 0.017+/-0.022 χ²/NDF: 63.2/58
In: -0.005+/-0.019 χ²/NDF:67.2/50
Out: -0.012+/-0.020 χ²/NDF:57.2/54
All: -0.009+/-0.014 χ²/NDF: 124.4/105

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.339+/-0.022 χ^2/NDF: 3225239.3/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 108.895+/-0.022 χ^2/NDF: 4925051.8/30

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

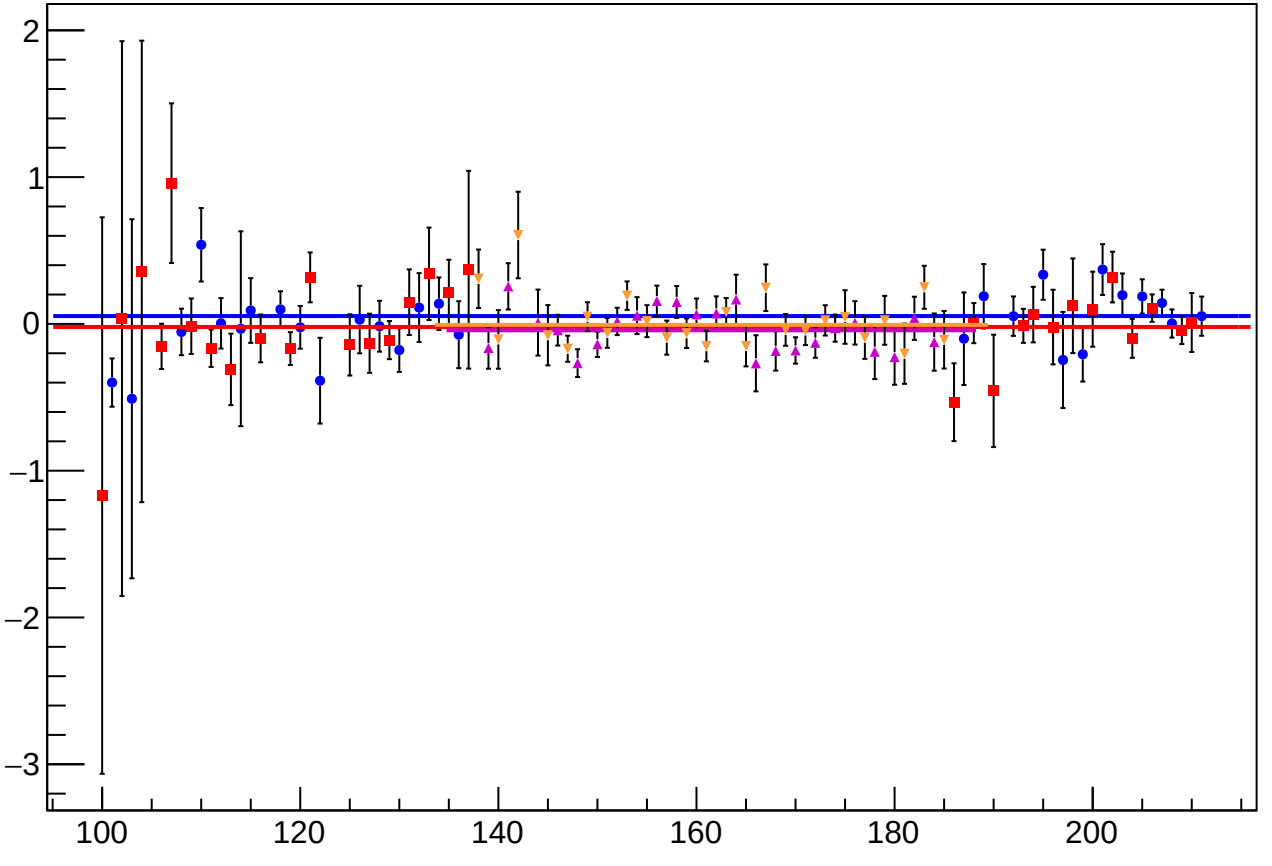
Right: 108.615+/-0.016 χ^2/NDF: 8150610.2/58

In: 102.485+/-0.014 χ^2/NDF:5346057.2/50

Out: 103.273+/-0.014 χ^2/NDF:7102896.4/54

All: 102.875+/-0.010 χ^2/NDF: 12450571.3/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.031 χ^2/NDF: 31.0/27

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.031 χ^2/NDF: 29.4/30

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

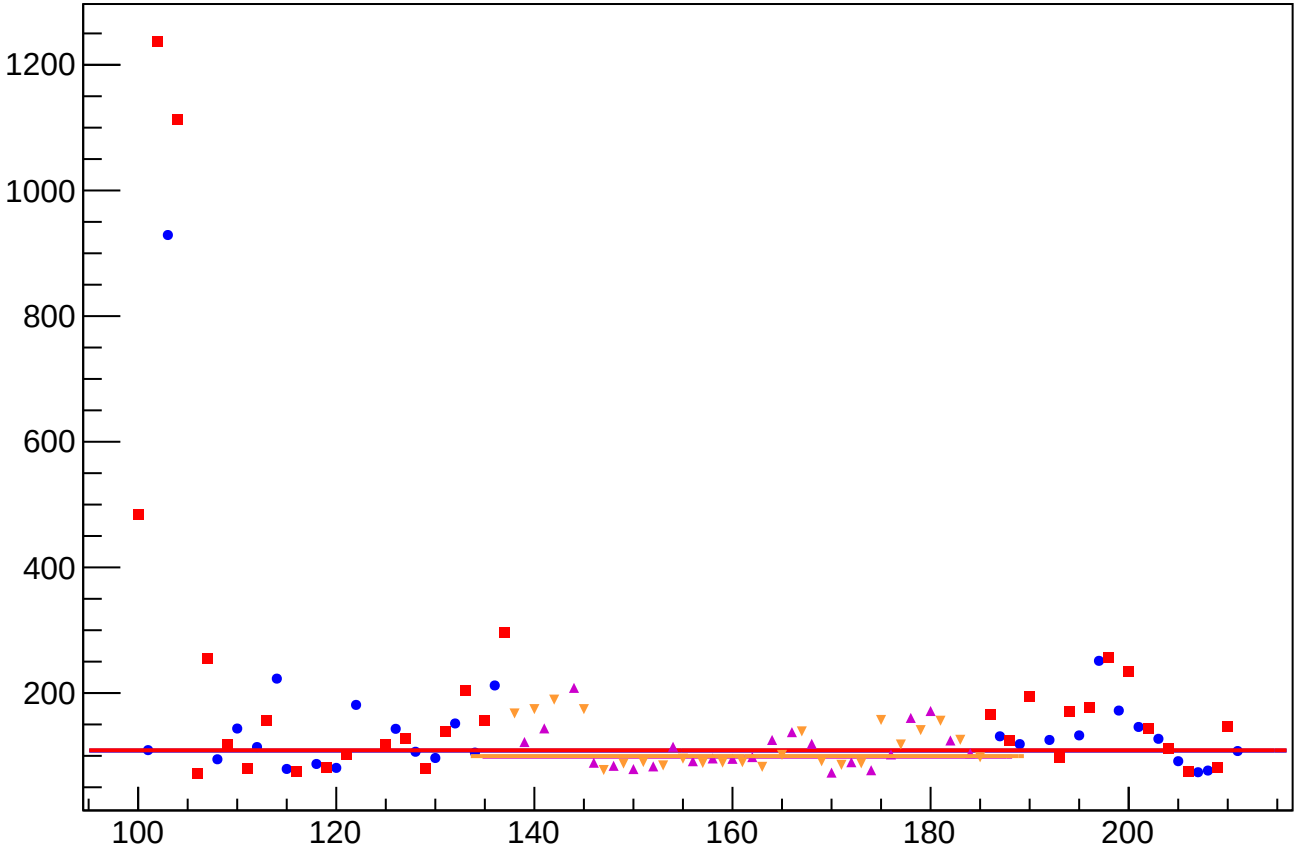
Right: 0.017+/-0.022 χ^2/NDF: 63.2/58

In: -0.005+/-0.019 χ^2/NDF:67.2/50

Out: -0.012+/-0.020 χ^2/NDF:57.2/54

All: -0.009+/-0.014 χ^2/NDF: 124.4/105

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.339+/-0.022 χ^2/NDF: 3225239.3/27

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 108.895+/-0.022 χ^2/NDF: 4925051.8/30

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

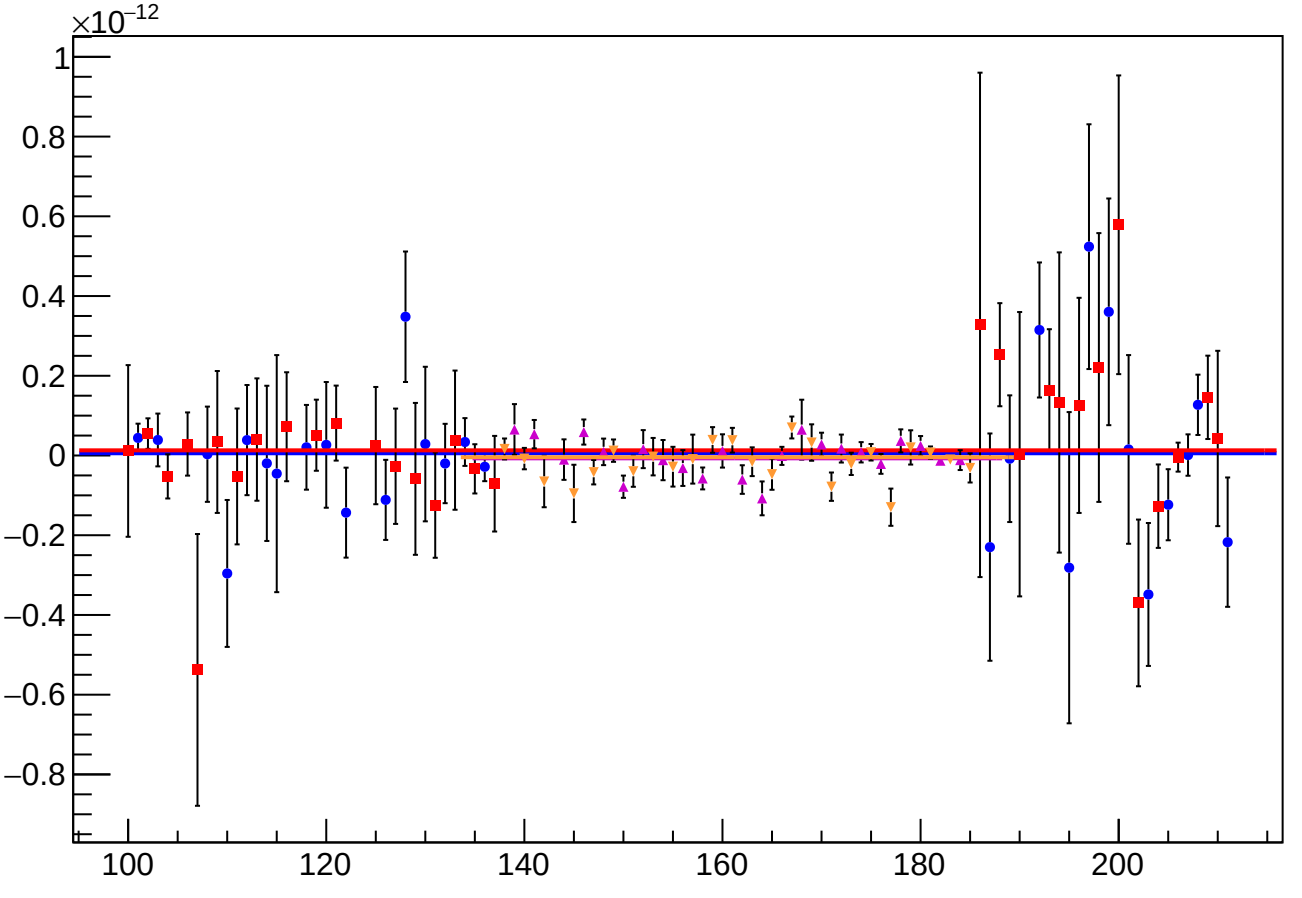
Right: 108.615+/-0.016 χ^2/NDF: 8150610.2/58

In: 102.485+/-0.014 χ^2/NDF:5346057.2/50

Out: 103.273+/-0.014 χ^2/NDF:7102896.4/54

All: 102.875+/-0.010 χ^2/NDF: 12450571.3/10

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/30

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

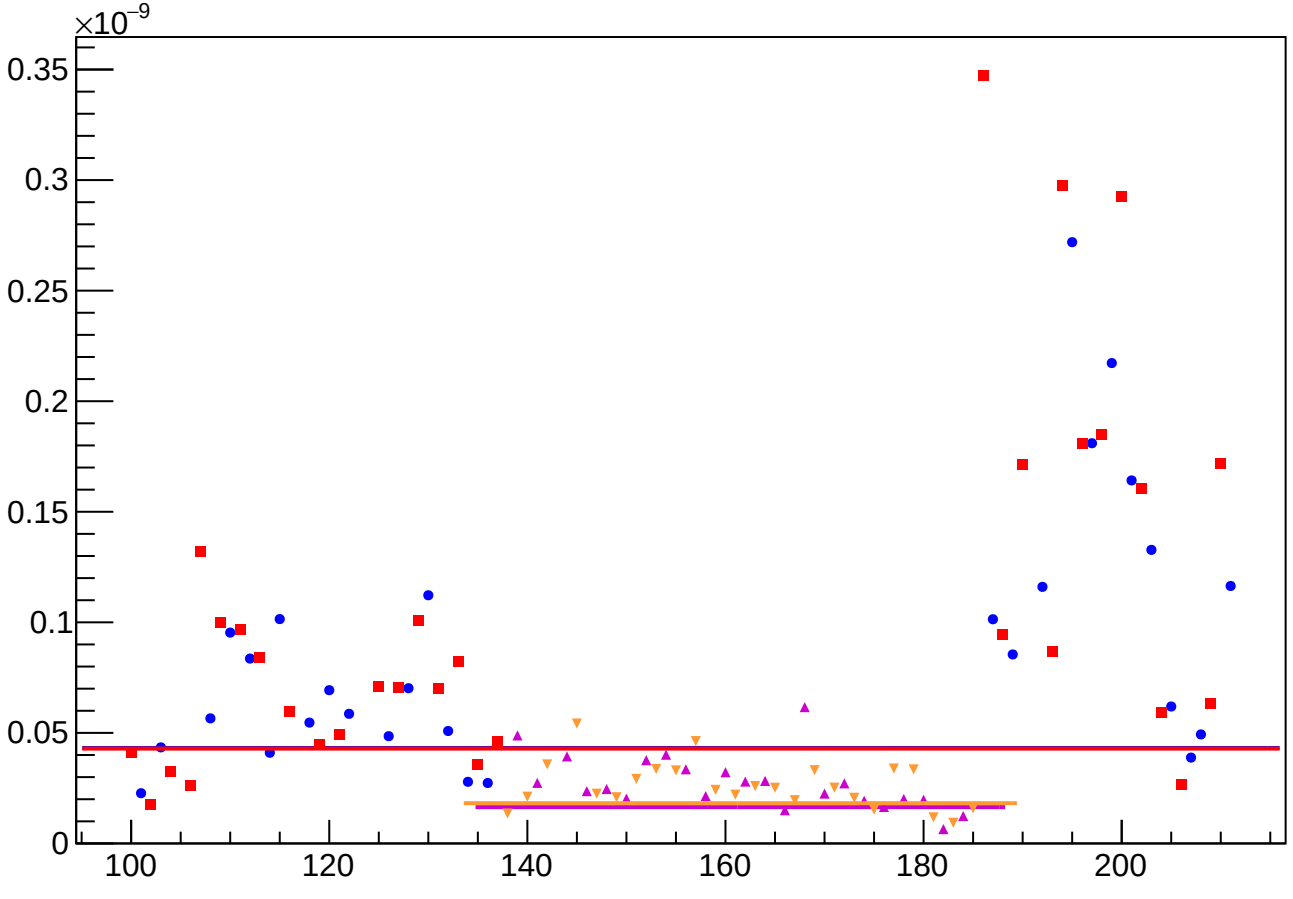
Right: 0.000+/-0.000 χ^2/NDF: 55.8/58

In: -0.000+/-0.000 χ^2/NDF:68.1/50

Out: -0.000+/-0.000 χ^2/NDF:57.1/54

All: -0.000+/-0.000 χ^2/NDF: 125.4/105

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: 6026236.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8021265.2/30

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

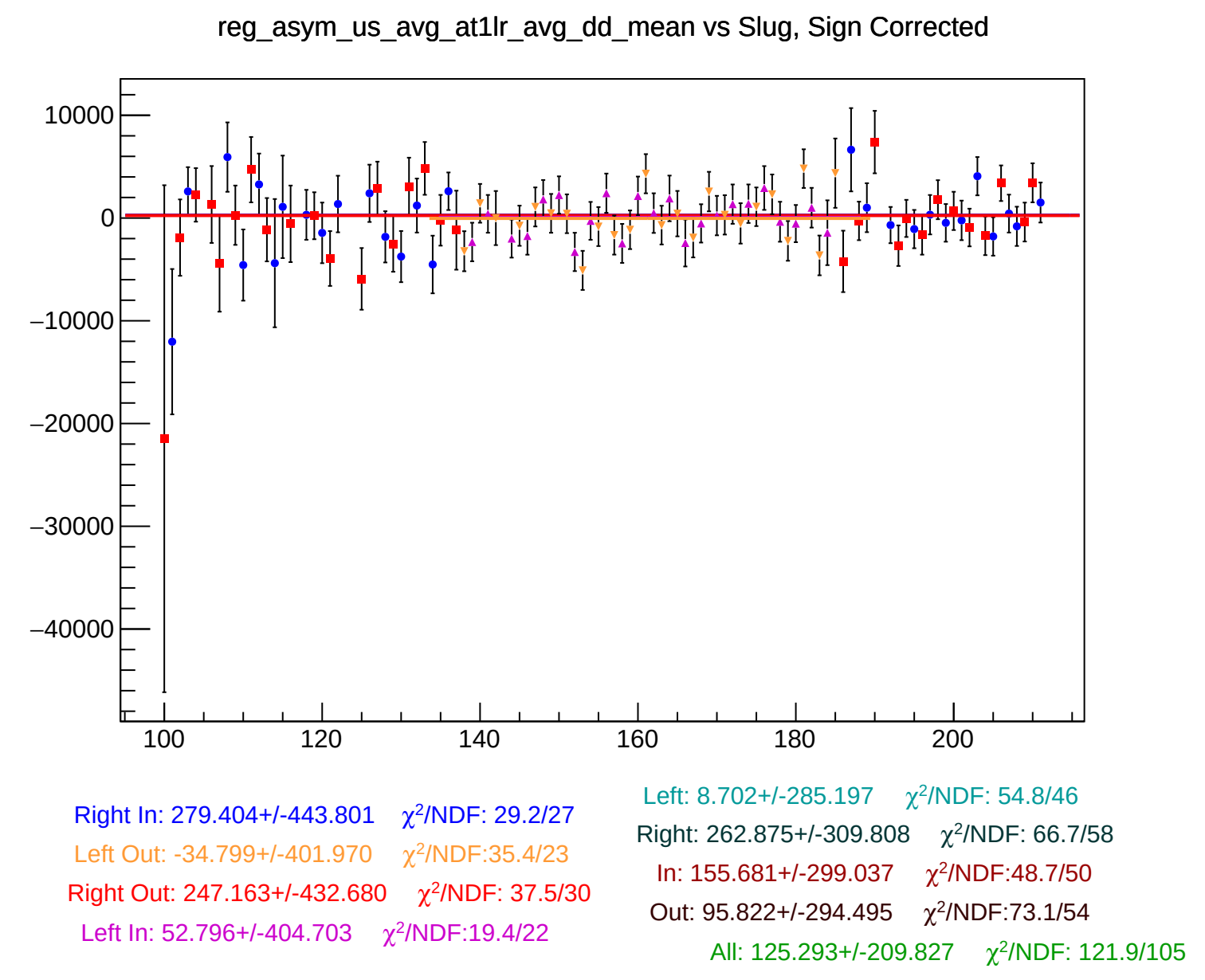
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

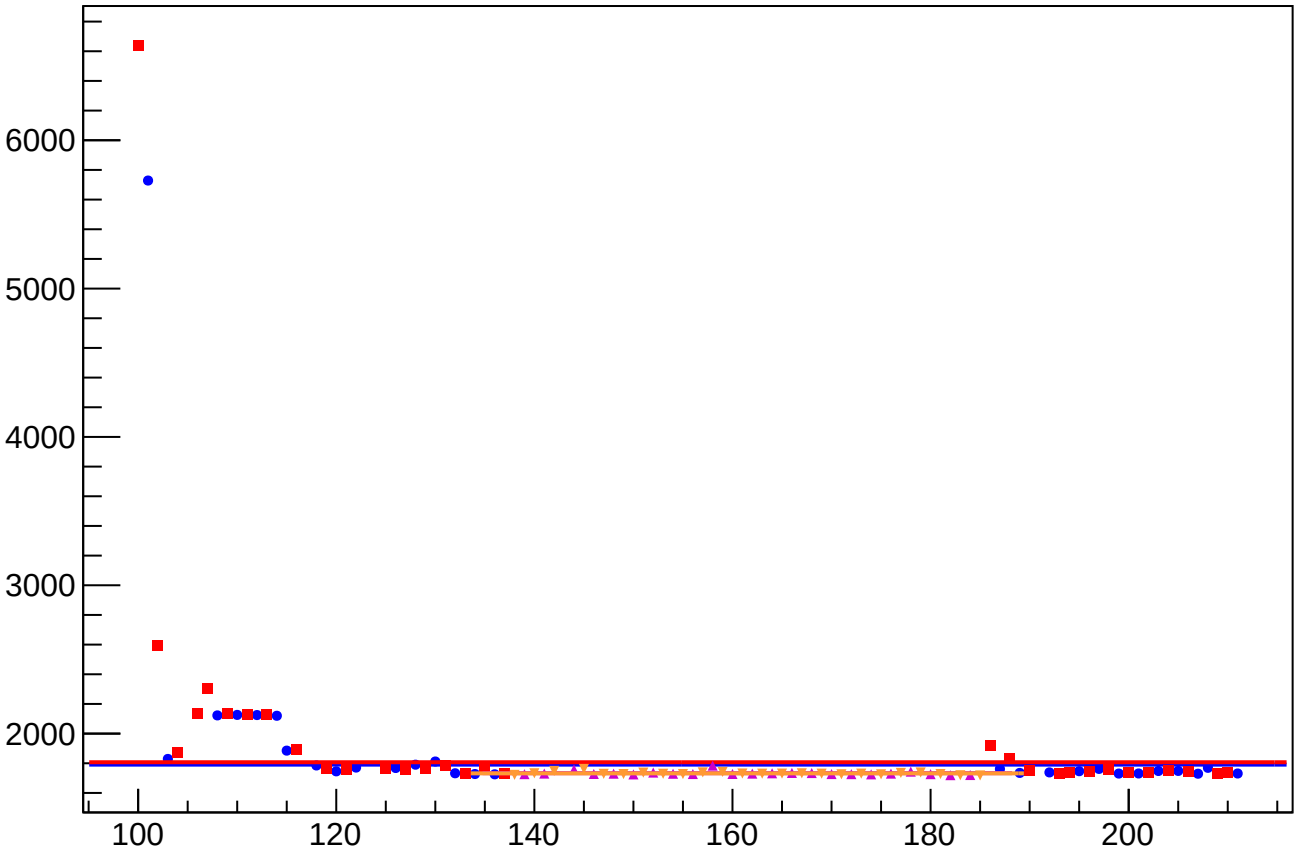
Right: 0.000+/-0.000 χ^2/NDF: 14047663.3/58

In: 0.000+/-0.000 χ^2/NDF:17670697.4/50

Out: 0.000+/-0.000 χ^2/NDF:15931912.0/54

All: 0.000+/-0.000 χ^2/NDF: 33701360.1/105


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 279.404+/-443.801 χ²/NDF: 29.2/27
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 247.163+/-432.680 χ²/NDF: 37.5/30
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 262.875+/-309.808 χ²/NDF: 66.7/58
In: 155.681+/-299.037 χ²/NDF:48.7/50
Out: 95.822+/-294.495 χ²/NDF:73.1/54
All: 125.293+/-209.827 χ²/NDF: 121.9/105



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.3/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1806.914+/-0.306 χ^2/NDF: 311019.8/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

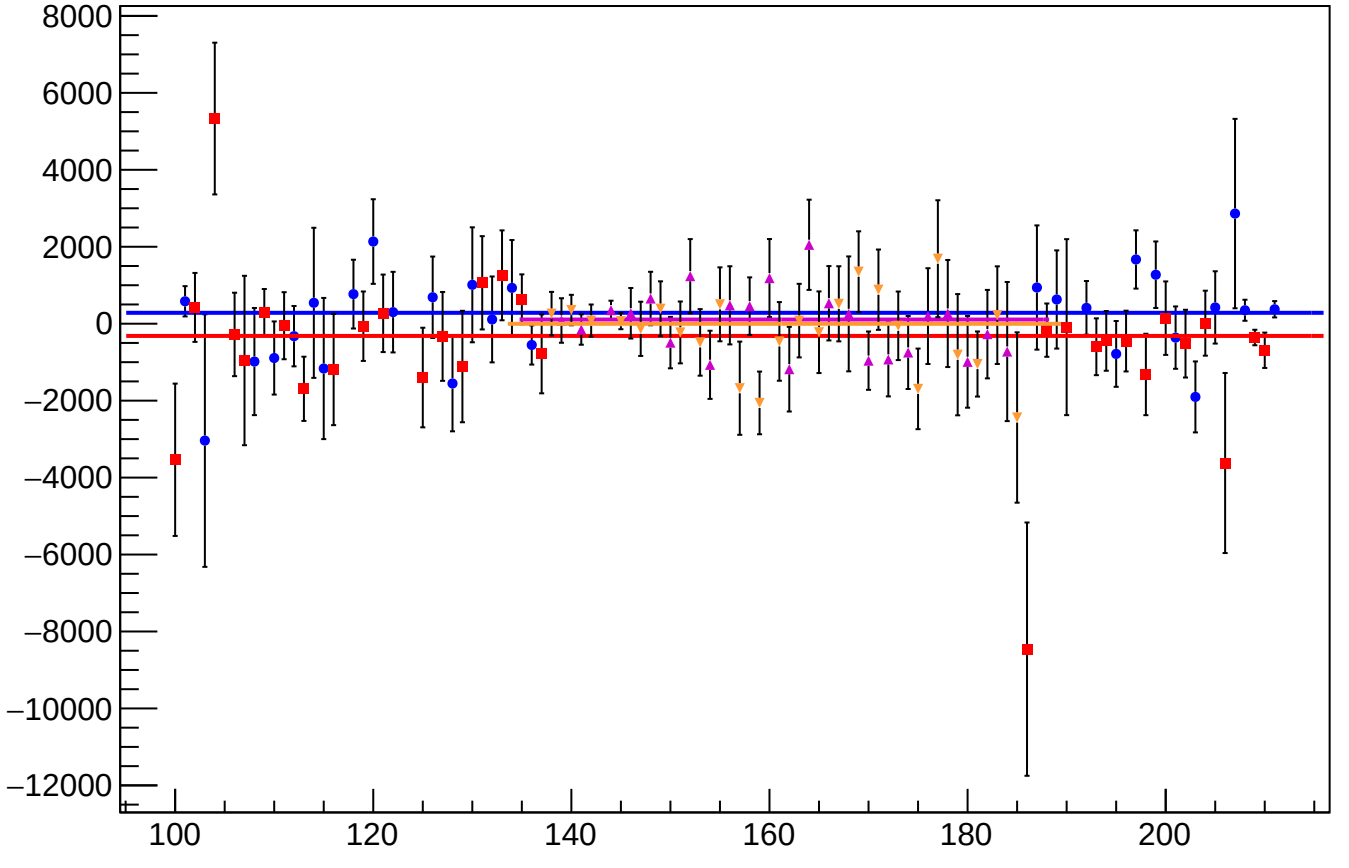
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1799.122+/-0.219 χ^2/NDF: 1022061.3/58

In: 1759.471+/-0.211 χ^2/NDF:730340.2/50

Out: 1766.697+/-0.208 χ^2/NDF:344150.2/54

All: 1763.139+/-0.148 χ^2/NDF: 1075083.2/10



Right In: 283.364+/-121.530 χ^2/NDF: 28.0/27

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -317.505+/-129.859 χ^2/NDF: 33.2/30

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

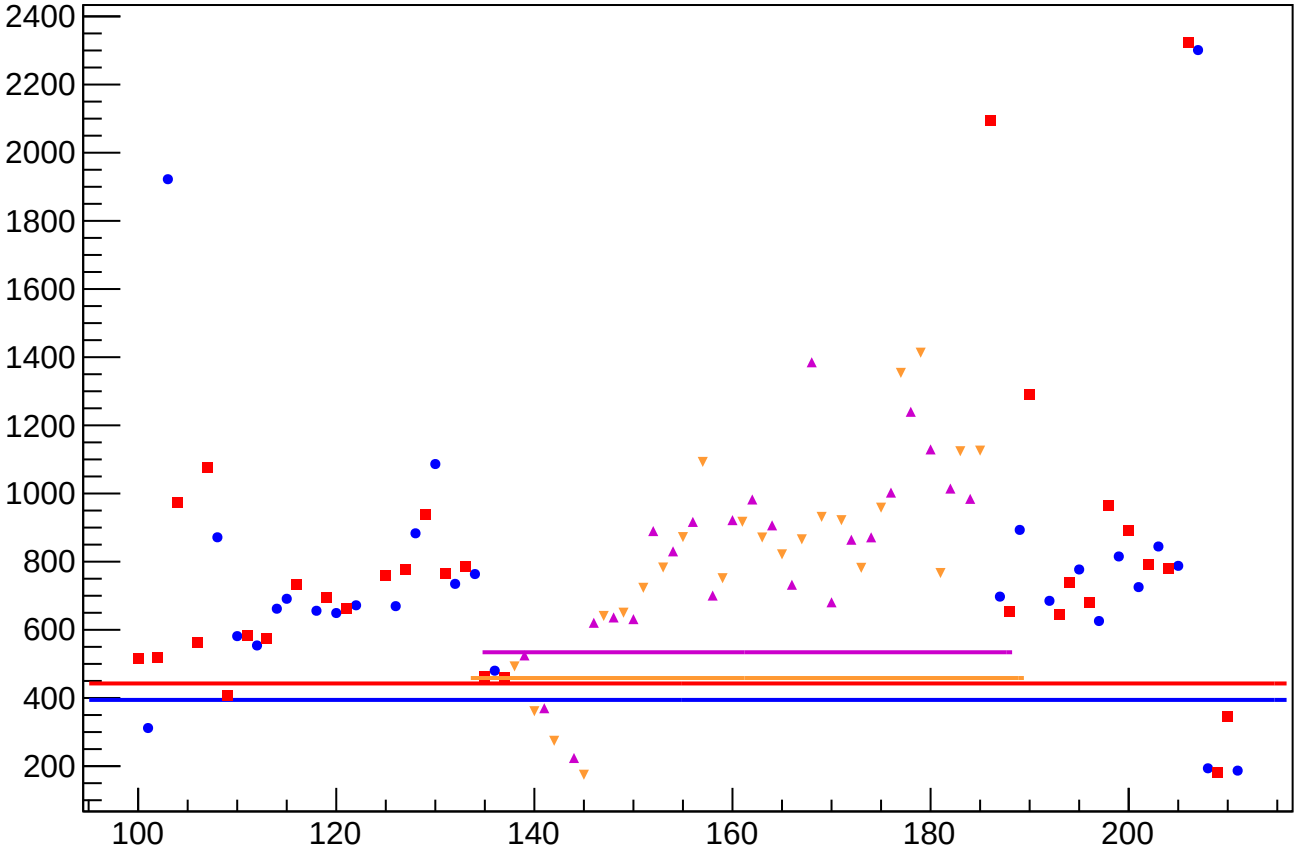
Right: 2.816+/-88.733 χ^2/NDF: 72.6/58

In: 210.171+/-92.690 χ^2/NDF:45.9/50

Out: -160.189+/-91.892 χ^2/NDF:56.4/54

All: 23.390+/-65.258 χ^2/NDF: 110.3/105

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 394.341+/-0.086 χ^2/NDF: 9852084.5/27

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 442.598+/-0.092 χ^2/NDF: 9488529.3/30

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

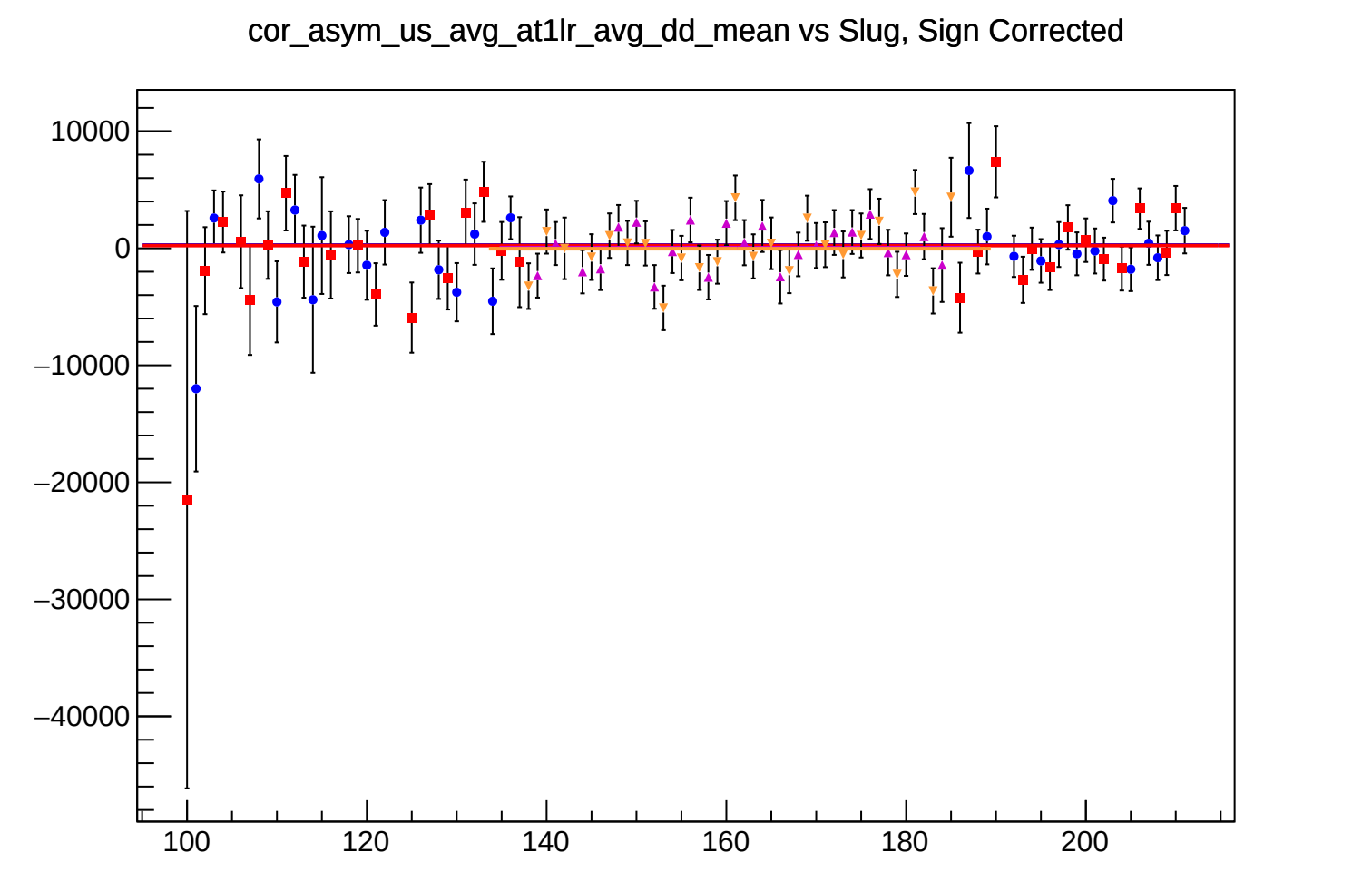
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 416.872+/-0.063 χ^2/NDF: 19487848.8/58

In: 452.827+/-0.066 χ^2/NDF:19402728.3/50

Out: 450.577+/-0.065 χ^2/NDF:20930386.0/54

All: 451.692+/-0.046 χ^2/NDF: 40333709.0/10



Right In: 279.384+/-443.801 χ^2/NDF: 29.1/27

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 236.482+/-432.995 χ^2/NDF: 37.5/30

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

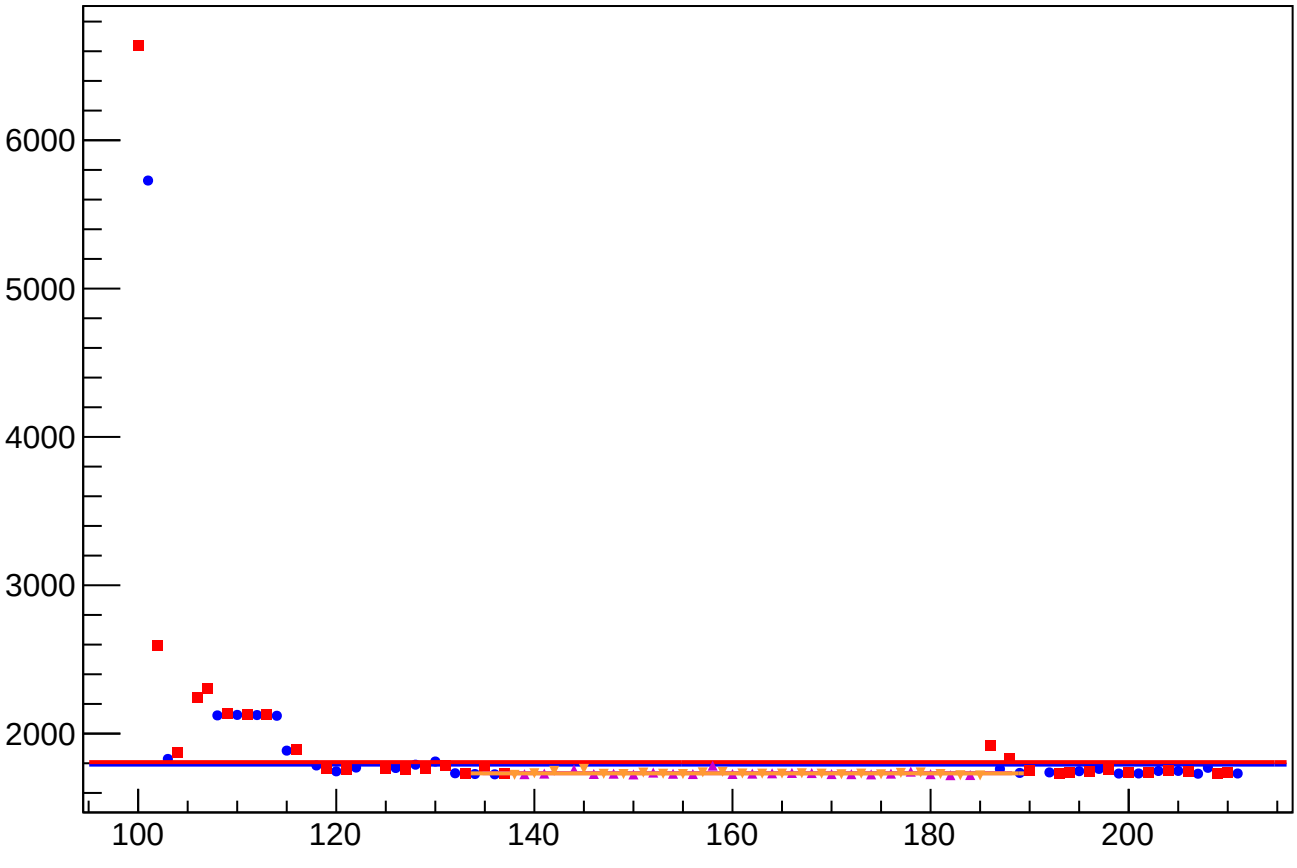
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 257.405+/-309.924 χ^2/NDF: 66.6/58

In: 155.626+/-299.037 χ^2/NDF:48.7/50

Out: 90.806+/-294.594 χ^2/NDF:73.1/54

All: 122.731+/-209.863 χ^2/NDF: 121.8/105



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.2/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1807.687+/-0.306 χ^2/NDF: 319544.0/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

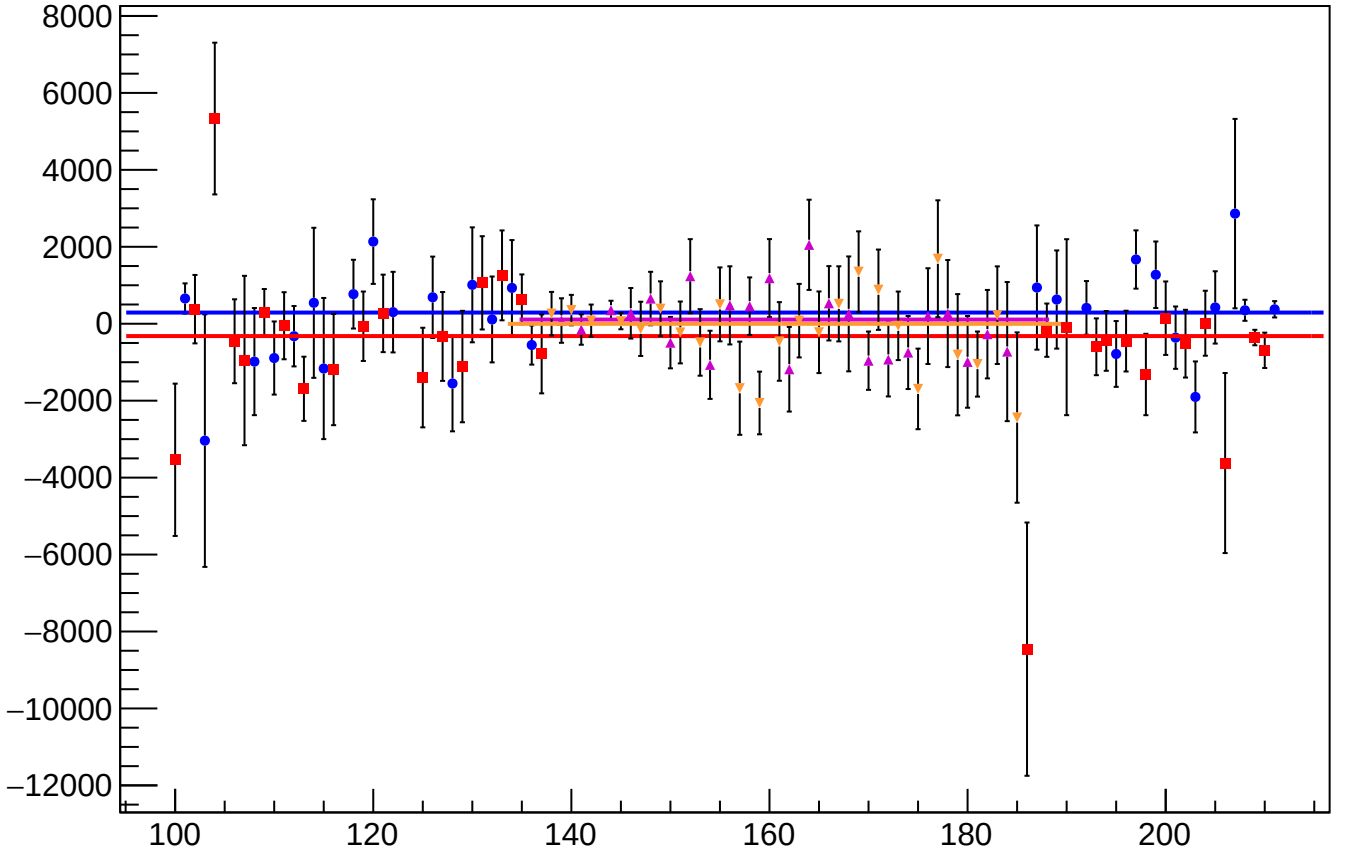
Right: 1799.512+/-0.219 χ^2/NDF: 1030716.1/58

In: 1759.471+/-0.211 χ^2/NDF:730340.0/50

Out: 1767.027+/-0.208 χ^2/NDF:353316.4/54

All: 1763.305+/-0.148 χ^2/NDF: 1084304.5/10

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 290.477+/-121.511 χ^2/NDF: 28.3/27

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -320.832+/-129.846 χ^2/NDF: 33.1/30

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

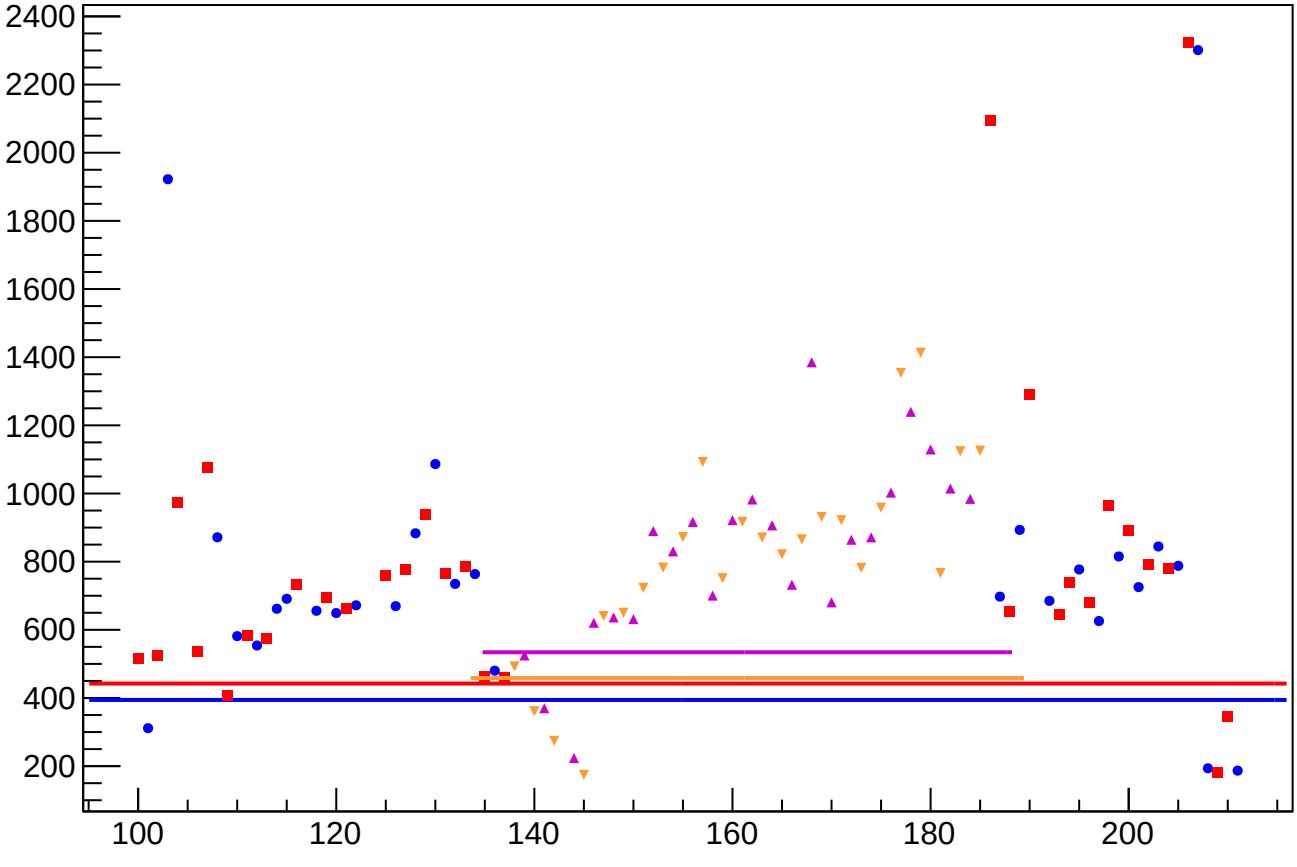
Right: 5.069+/-88.722 χ^2/NDF: 73.2/58

In: 214.311+/-92.682 χ^2/NDF:46.3/50

Out: -161.935+/-91.888 χ^2/NDF:56.4/54

All: 24.569+/-65.254 χ^2/NDF: 111.0/105

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 394.248+/-0.086 χ^2/NDF: 9854433.2/27

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 442.340+/-0.092 χ^2/NDF: 9482331.5/30

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

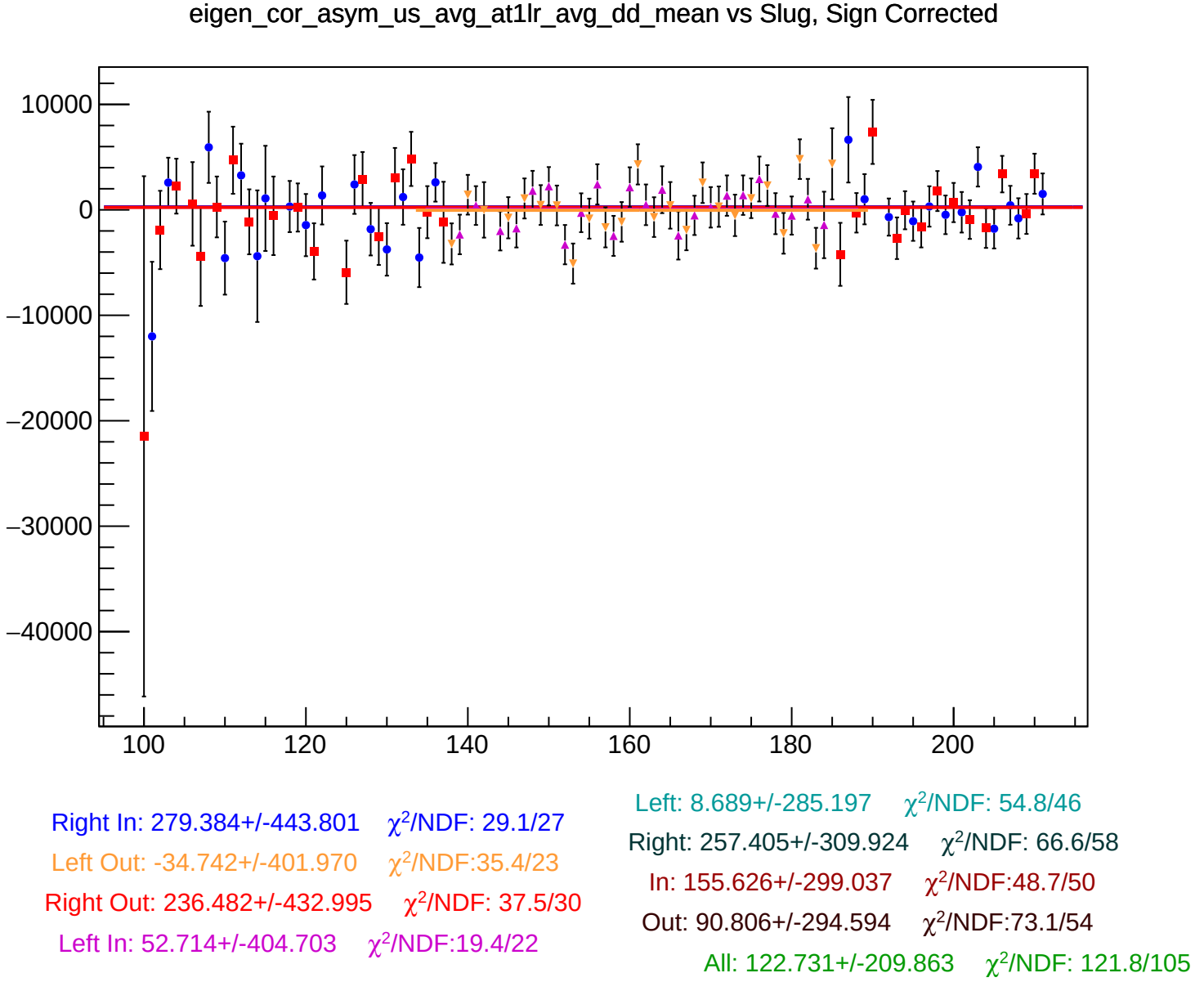
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

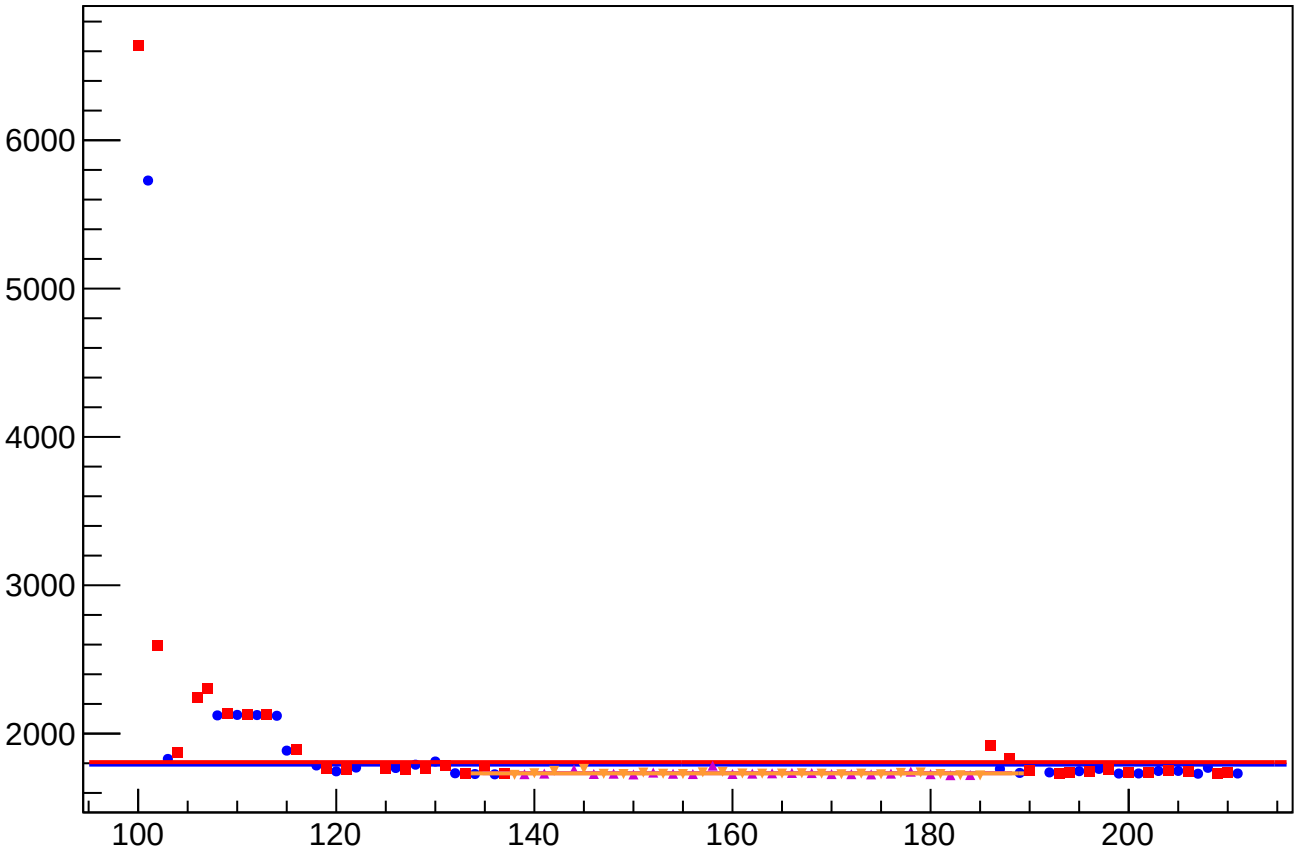
Right: 416.701+/-0.063 χ^2/NDF: 19483030.8/58

In: 452.766+/-0.066 χ^2/NDF:19406337.3/50

Out: 450.451+/-0.065 χ^2/NDF:20924287.1/54

All: 451.599+/-0.046 χ^2/NDF: 40331253.3/10


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 279.384+/-443.801 χ²/NDF: 29.1/27
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 236.482+/-432.995 χ²/NDF: 37.5/30
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 257.405+/-309.924 χ²/NDF: 66.6/58
In: 155.626+/-299.037 χ²/NDF:48.7/50
Out: 90.806+/-294.594 χ²/NDF:73.1/54
All: 122.731+/-209.863 χ²/NDF: 121.8/105



Right In: 1790.924+/-0.314 χ^2/NDF: 709710.2/27

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1807.687+/-0.306 χ^2/NDF: 319544.0/30

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

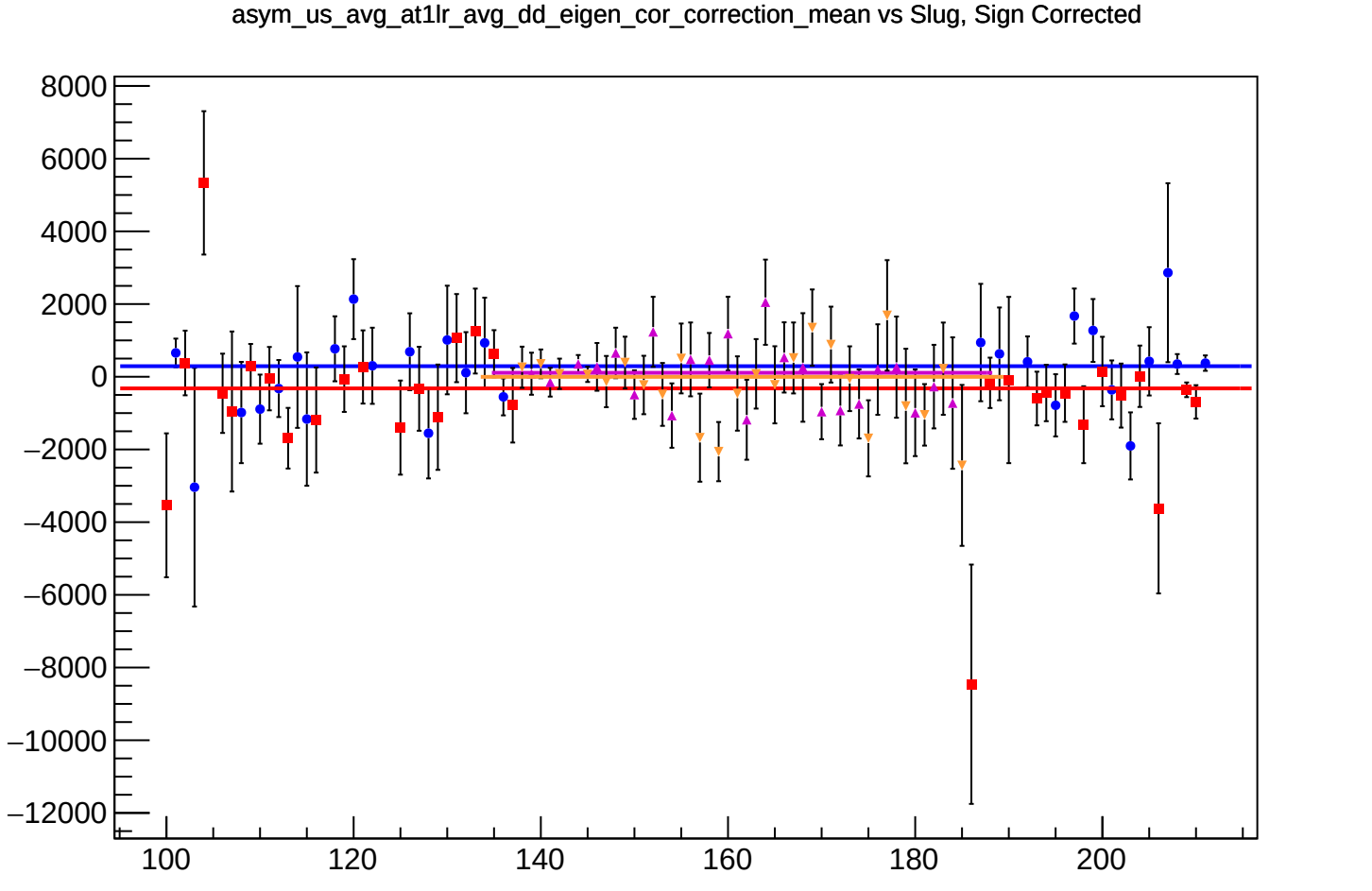
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1799.512+/-0.219 χ^2/NDF: 1030716.1/58

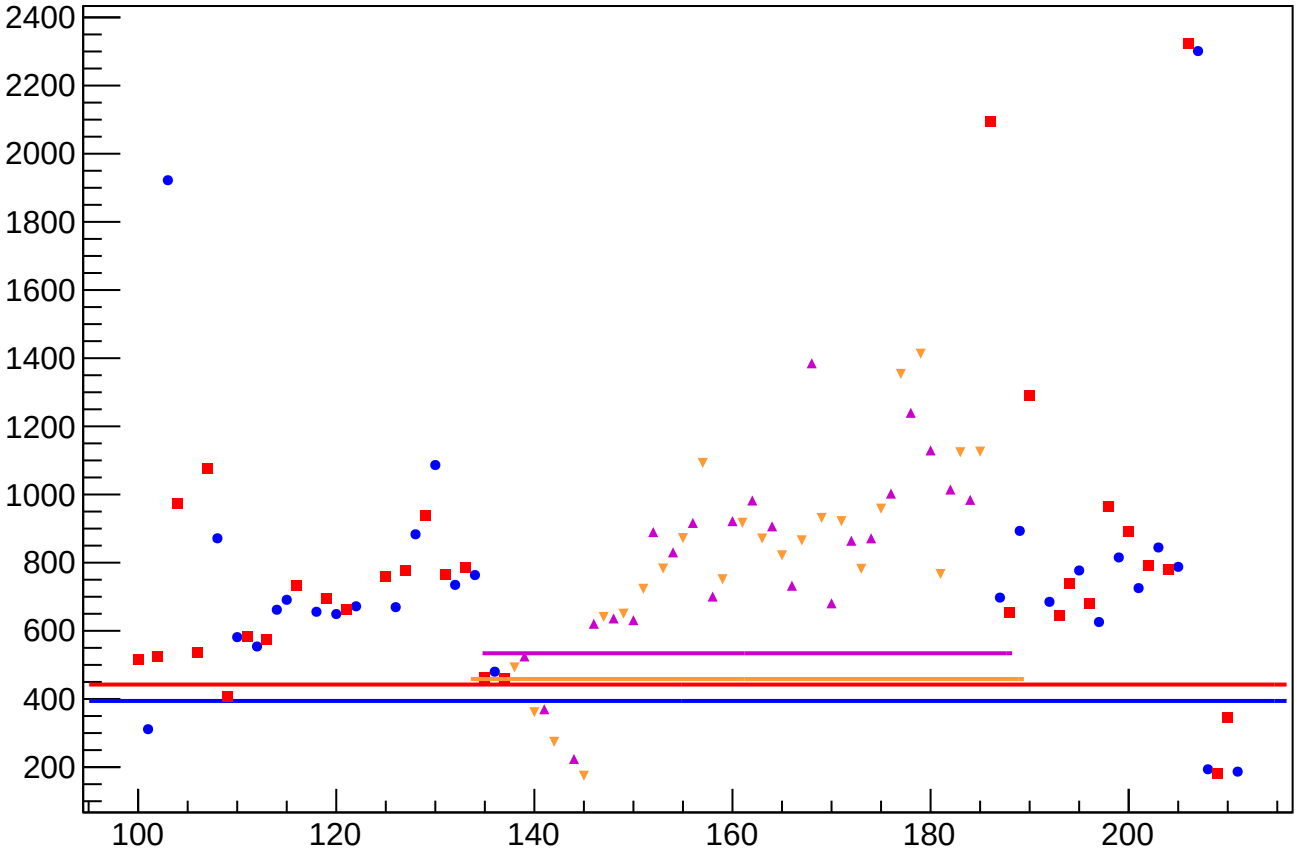
In: 1759.471+/-0.211 χ^2/NDF:730340.0/50

Out: 1767.027+/-0.208 χ^2/NDF:353316.4/54

All: 1763.305+/-0.148 χ^2/NDF: 1084304.5/10


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: 290.477+/-121.511 χ²/NDF: 28.3/27
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -320.832+/-129.846 χ²/NDF: 33.1/30
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 5.069+/-88.722 χ²/NDF: 73.2/58
In: 214.311+/-92.682 χ²/NDF:46.3/50
Out: -161.935+/-91.888 χ²/NDF:56.4/54
All: 24.569+/-65.254 χ²/NDF: 111.0/105

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 394.248+/-0.086 χ^2/NDF: 9854433.2/27

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 442.340+/-0.092 χ^2/NDF: 9482331.5/30

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

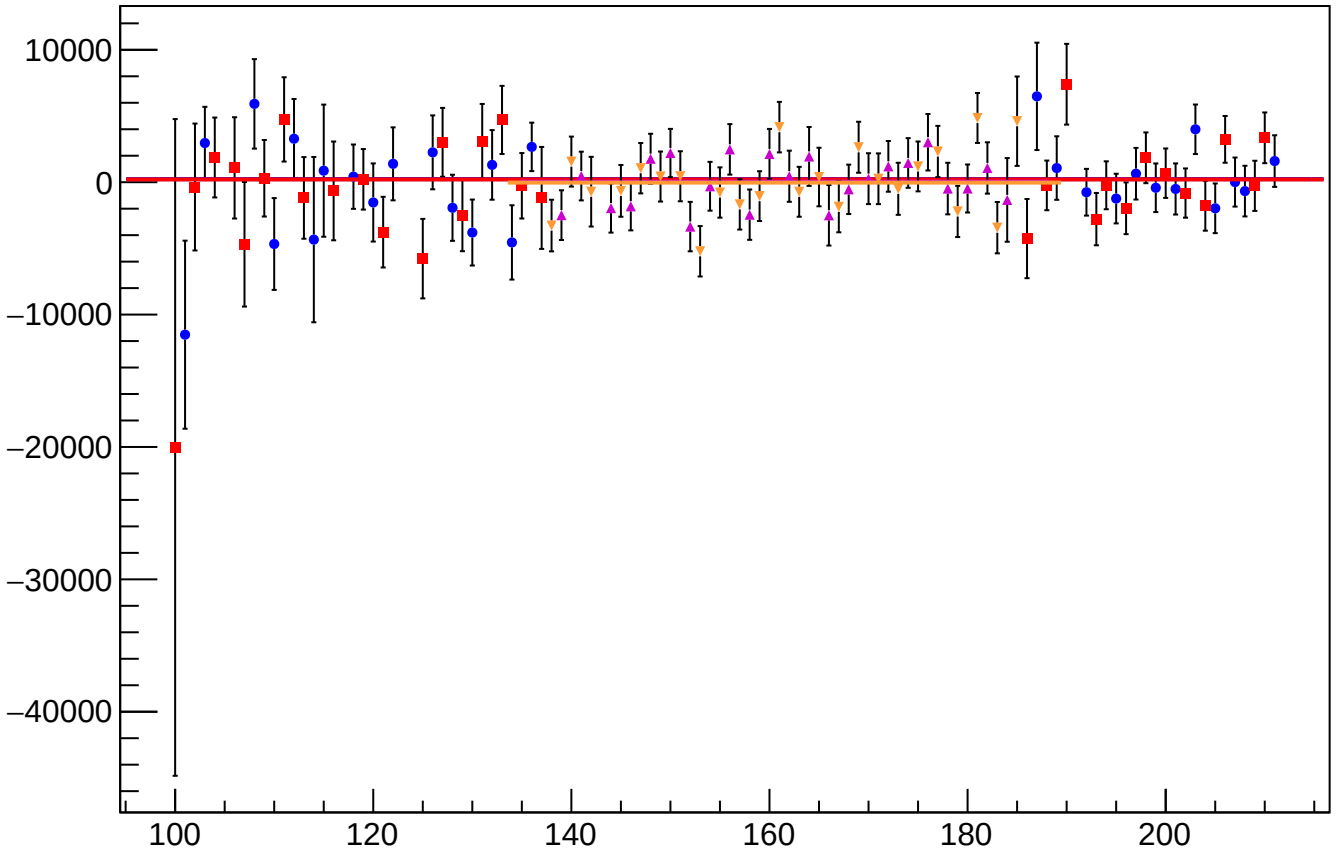
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 416.701+/-0.063 χ^2/NDF: 19483030.8/58

In: 452.766+/-0.066 χ^2/NDF:19406337.3/50

Out: 450.451+/-0.065 χ^2/NDF:20924287.1/54

All: 451.599+/-0.046 χ^2/NDF: 40331253.3/10



Right In: 230.488+/-447.146 χ^2/NDF: 29.3/27

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 209.137+/-437.413 χ^2/NDF: 36.4/30

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

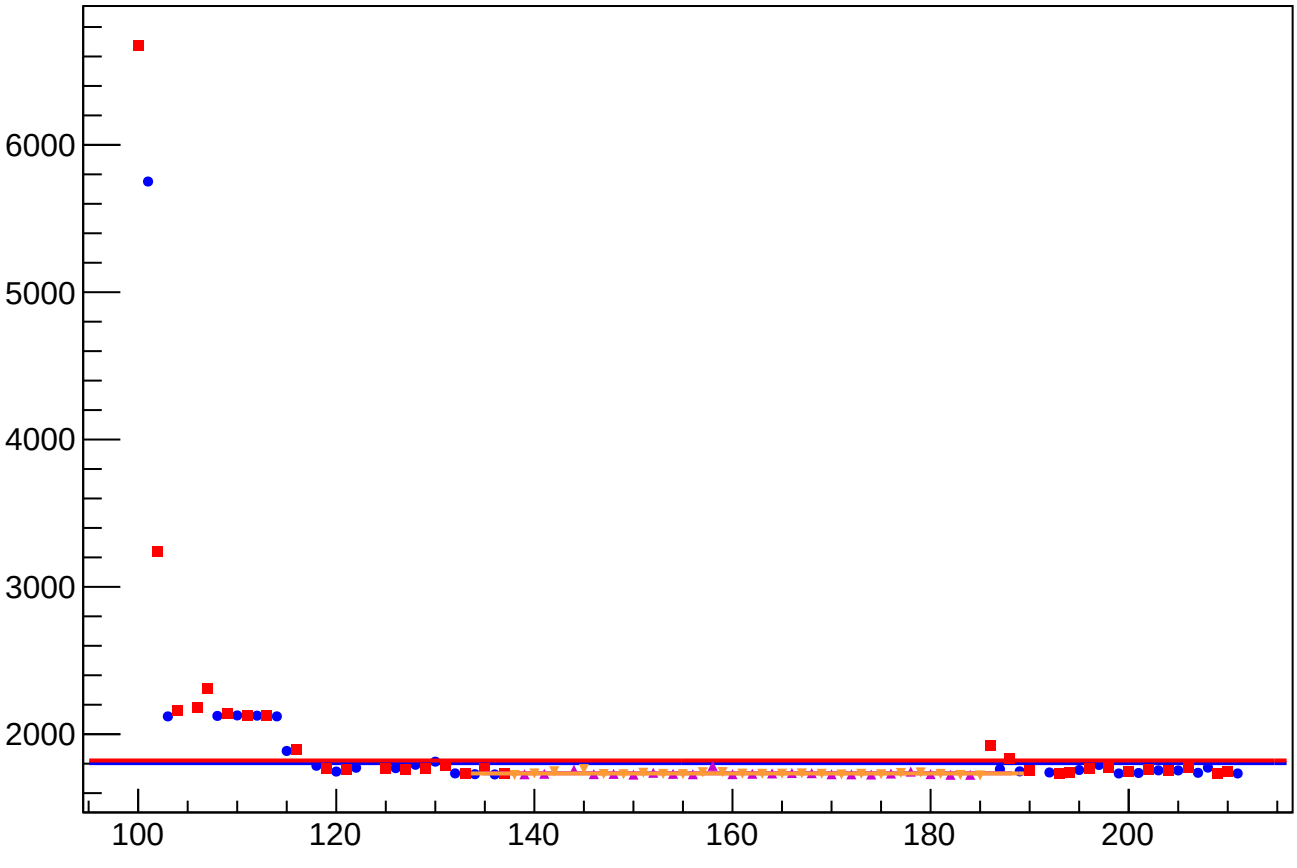
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 219.577+/-312.682 χ^2/NDF: 65.7/58

In: 127.211+/-300.196 χ^2/NDF:49.3/50

Out: 79.923+/-296.112 χ^2/NDF:72.0/54

All: 103.243+/-210.812 χ^2/NDF: 121.3/105



Right In: 1803.659+/-0.316 χ^2/NDF: 735466.9/27

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1821.557+/-0.309 χ^2/NDF: 420024.1/30

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

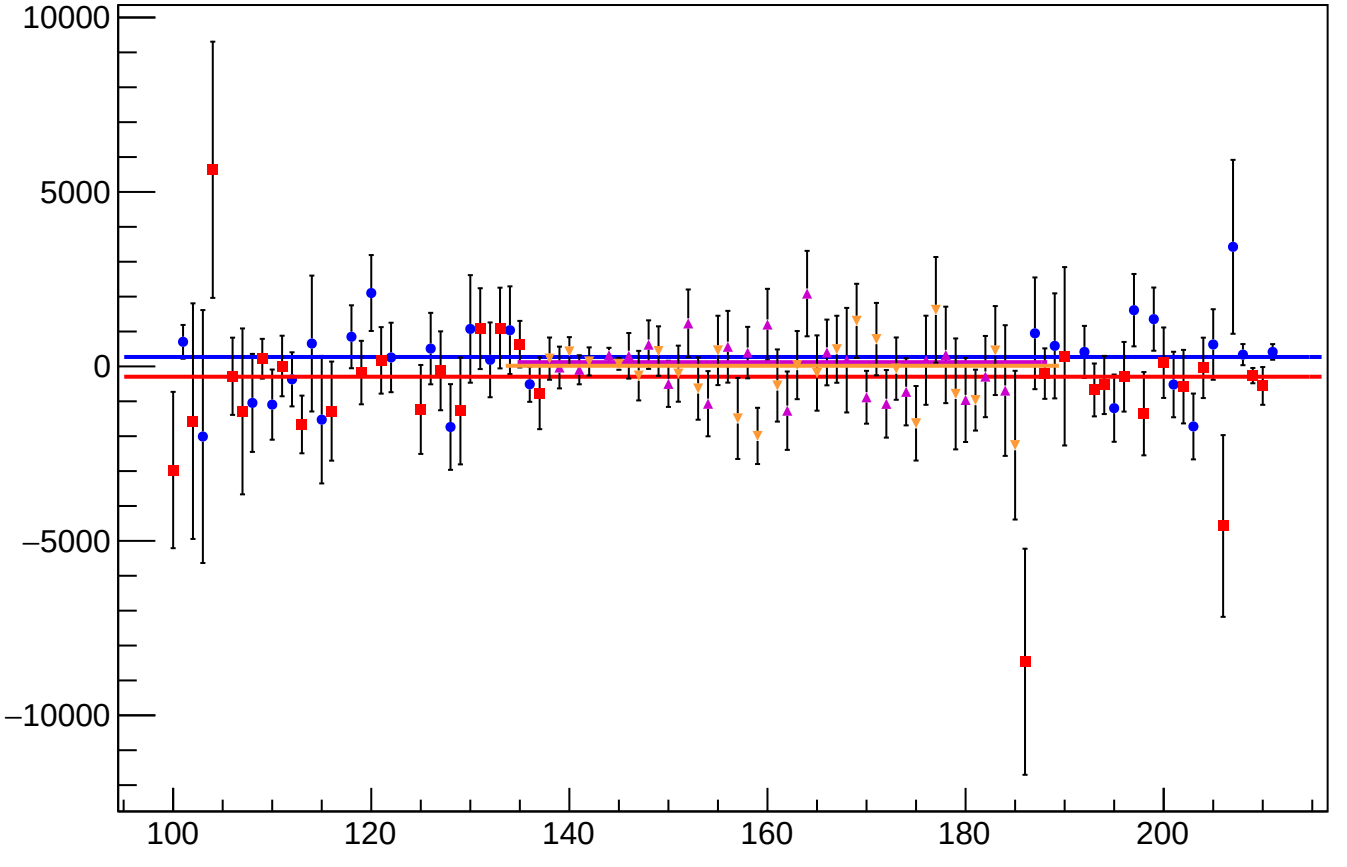
Right: 1812.805+/-0.221 χ^2/NDF: 1157128.4/58

In: 1765.842+/-0.212 χ^2/NDF:763687.1/50

Out: 1773.843+/-0.209 χ^2/NDF:464855.6/54

All: 1769.897+/-0.149 χ^2/NDF: 1229262.8/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 270.045+/-130.445 χ^2/NDF: 27.7/27

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -295.821+/-139.815 χ^2/NDF: 25.6/30

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

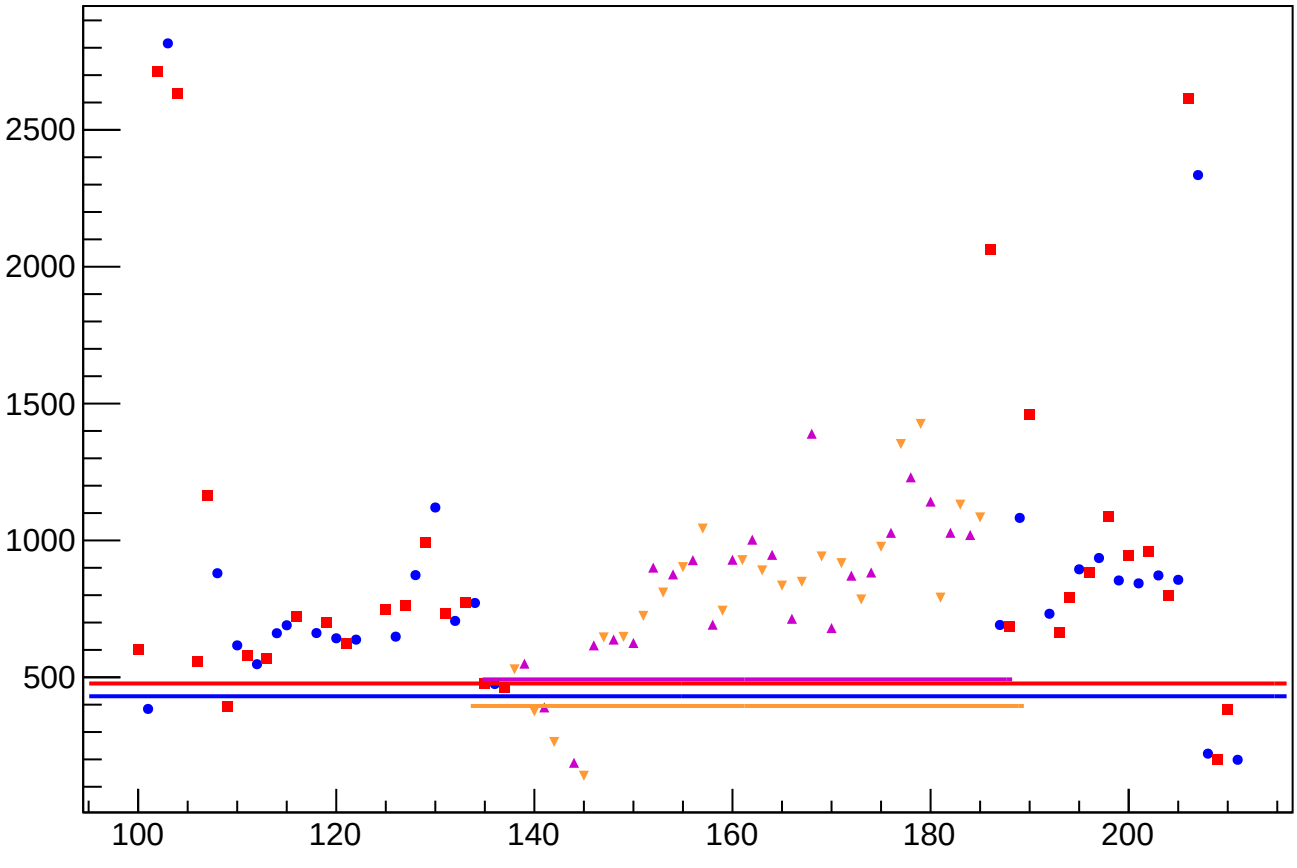
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 6.707+/-95.379 χ^2/NDF: 62.0/58

In: 199.590+/-94.520 χ^2/NDF:44.8/50

Out: -114.246+/-90.767 χ^2/NDF:47.9/54

All: 36.318+/-65.469 χ^2/NDF: 98.5/105



Right In: 430.683+/-0.092 χ^2/NDF: 10196857.3/27

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 477.339+/-0.099 χ^2/NDF: 10666538.1/30

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

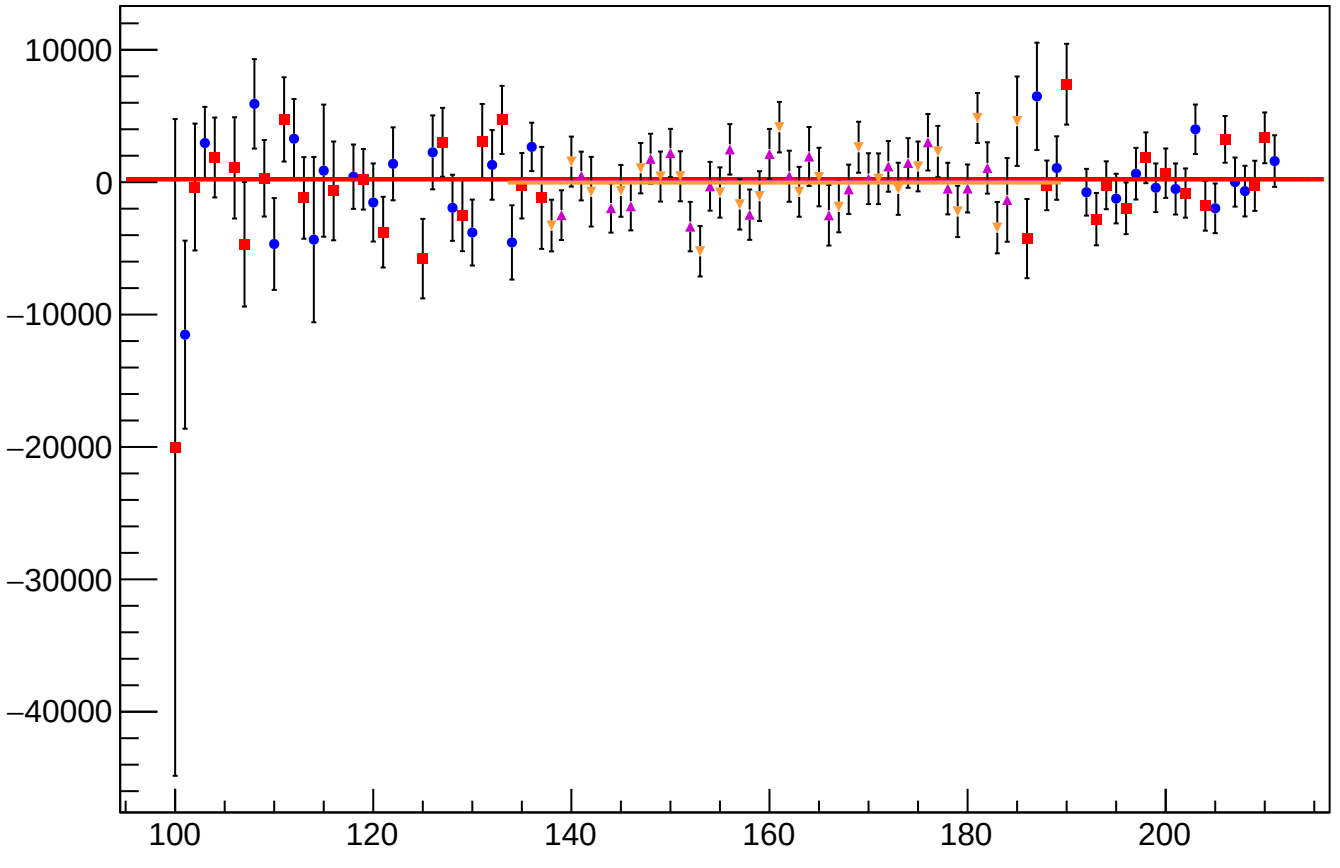
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 452.396+/-0.067 χ^2/NDF: 20982461.9/58

In: 459.946+/-0.067 χ^2/NDF:20828264.8/50

Out: 429.811+/-0.064 χ^2/NDF:25400430.2/54

All: 444.269+/-0.046 χ^2/NDF: 46334457.2/10



Right In: 230.489+/-447.146 χ^2/NDF: 29.3/27

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 209.137+/-437.413 χ^2/NDF: 36.4/30

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

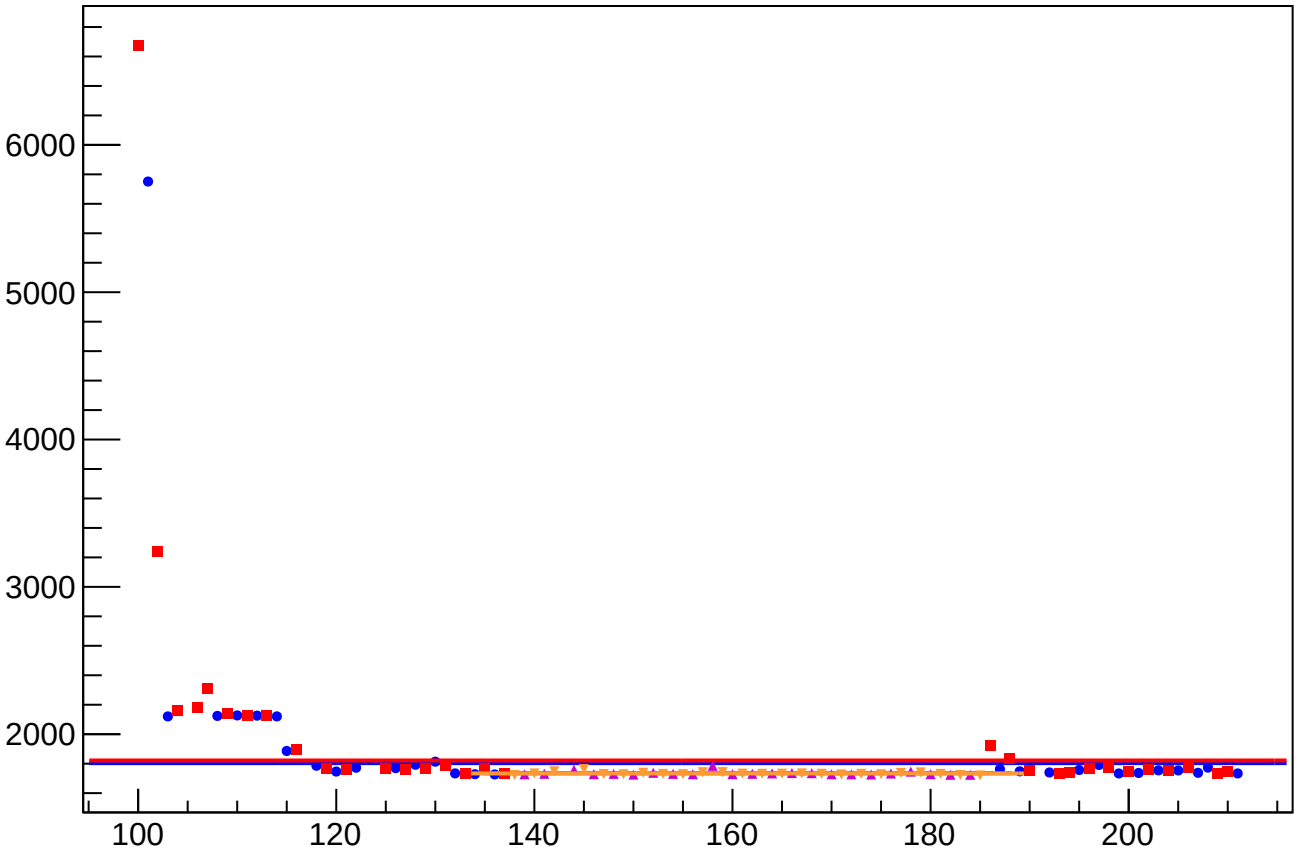
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 219.578+/-312.682 χ^2/NDF: 65.7/58

In: 127.212+/-300.196 χ^2/NDF:49.3/50

Out: 79.921+/-296.112 χ^2/NDF:72.0/54

All: 103.243+/-210.812 χ^2/NDF: 121.3/105



Right In: 1803.659+/-0.316 χ^2/NDF: 735466.5/27

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1821.557+/-0.309 χ^2/NDF: 420023.2/30

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

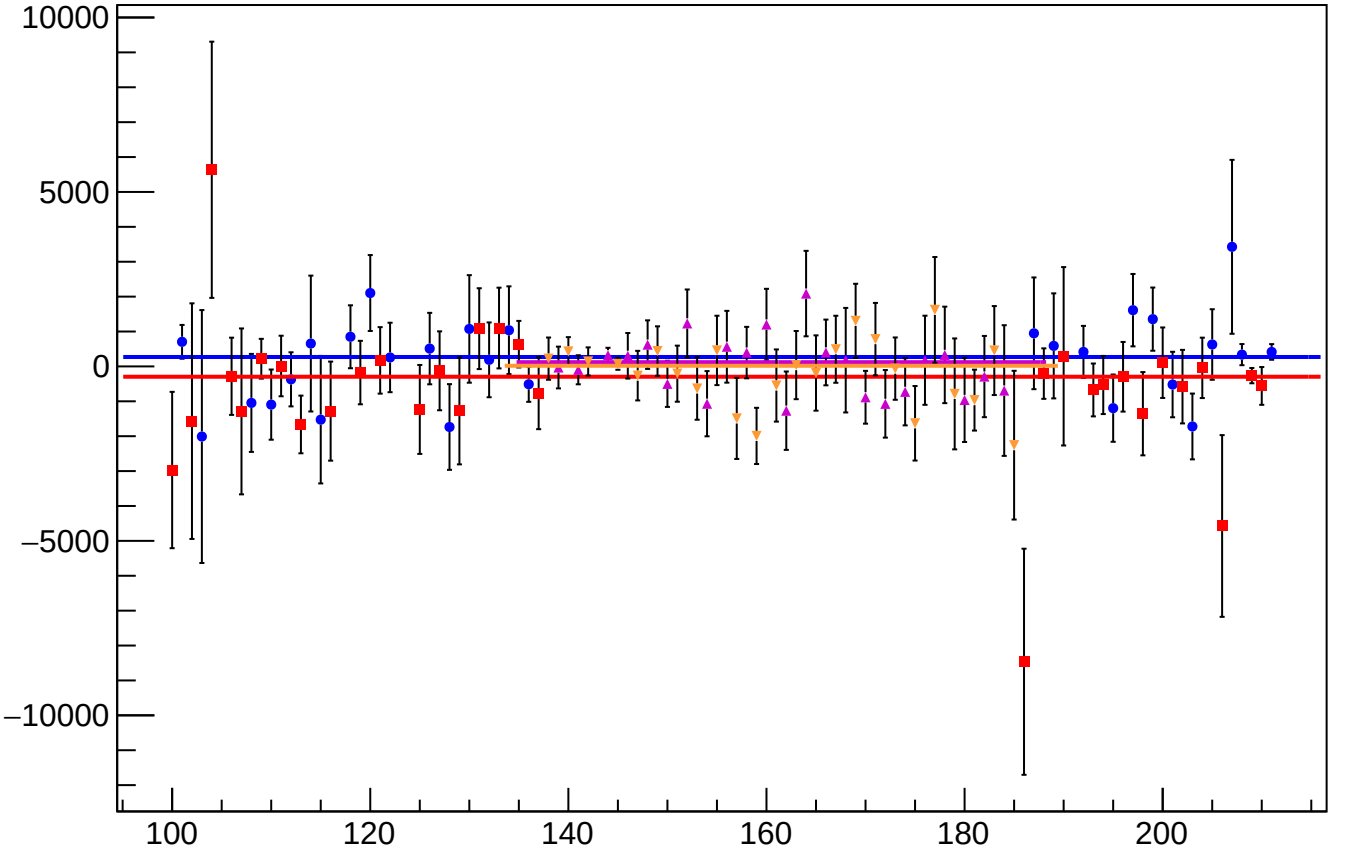
Right: 1812.805+/-0.221 χ^2/NDF: 1157127.1/58

In: 1765.842+/-0.212 χ^2/NDF:763686.7/50

Out: 1773.843+/-0.209 χ^2/NDF:464854.7/54

All: 1769.897+/-0.149 χ^2/NDF: 1229261.5/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 270.044+/-130.445 χ^2/NDF: 27.7/27

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -295.815+/-139.814 χ^2/NDF: 25.6/30

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

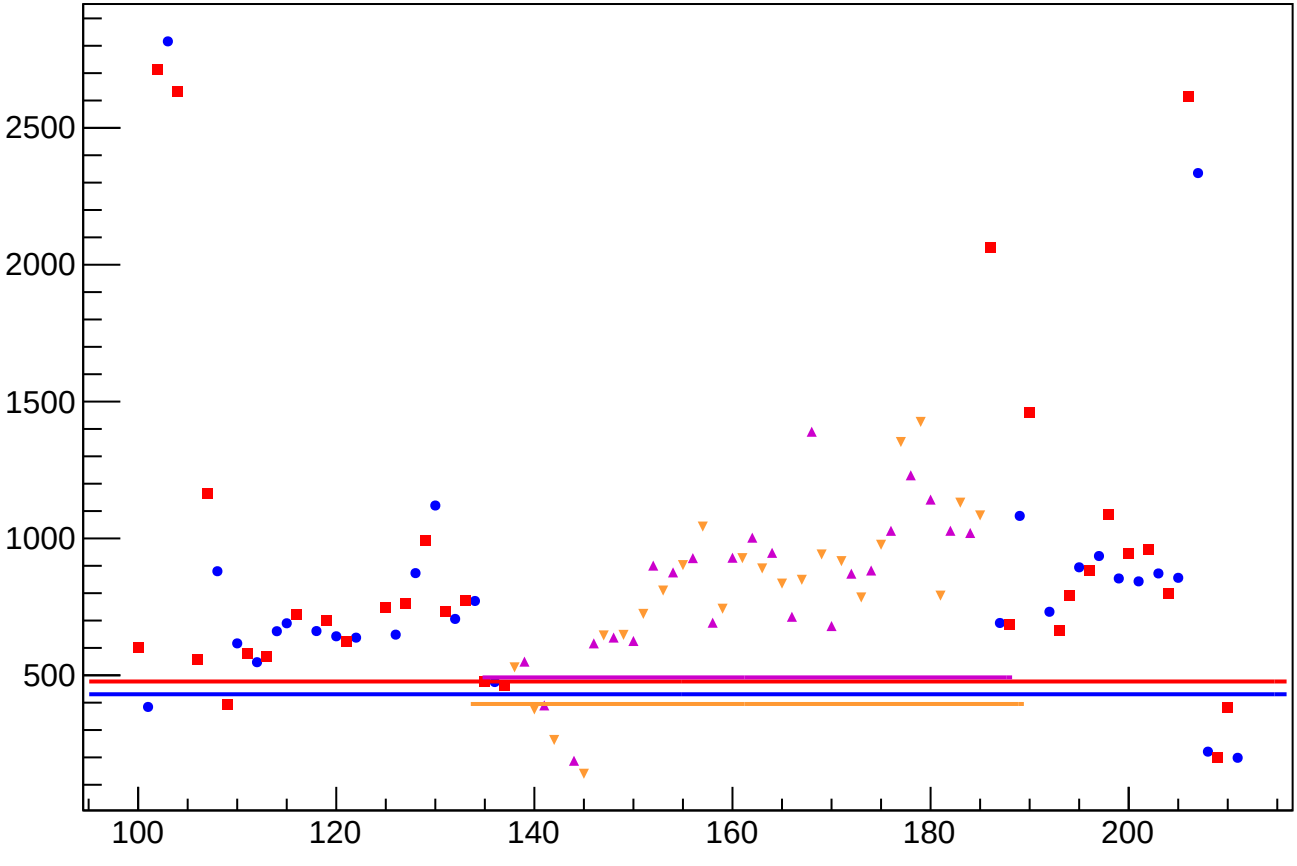
Right: 6.707+/-95.379 χ^2/NDF: 62.0/58

In: 199.589+/-94.520 χ^2/NDF:44.8/50

Out: -114.245+/-90.767 χ^2/NDF:47.9/54

All: 36.318+/-65.469 χ^2/NDF: 98.5/105

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 430.684+/-0.092 χ^2/NDF: 10196791.2/27

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 477.335+/-0.099 χ^2/NDF: 10666644.9/30

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

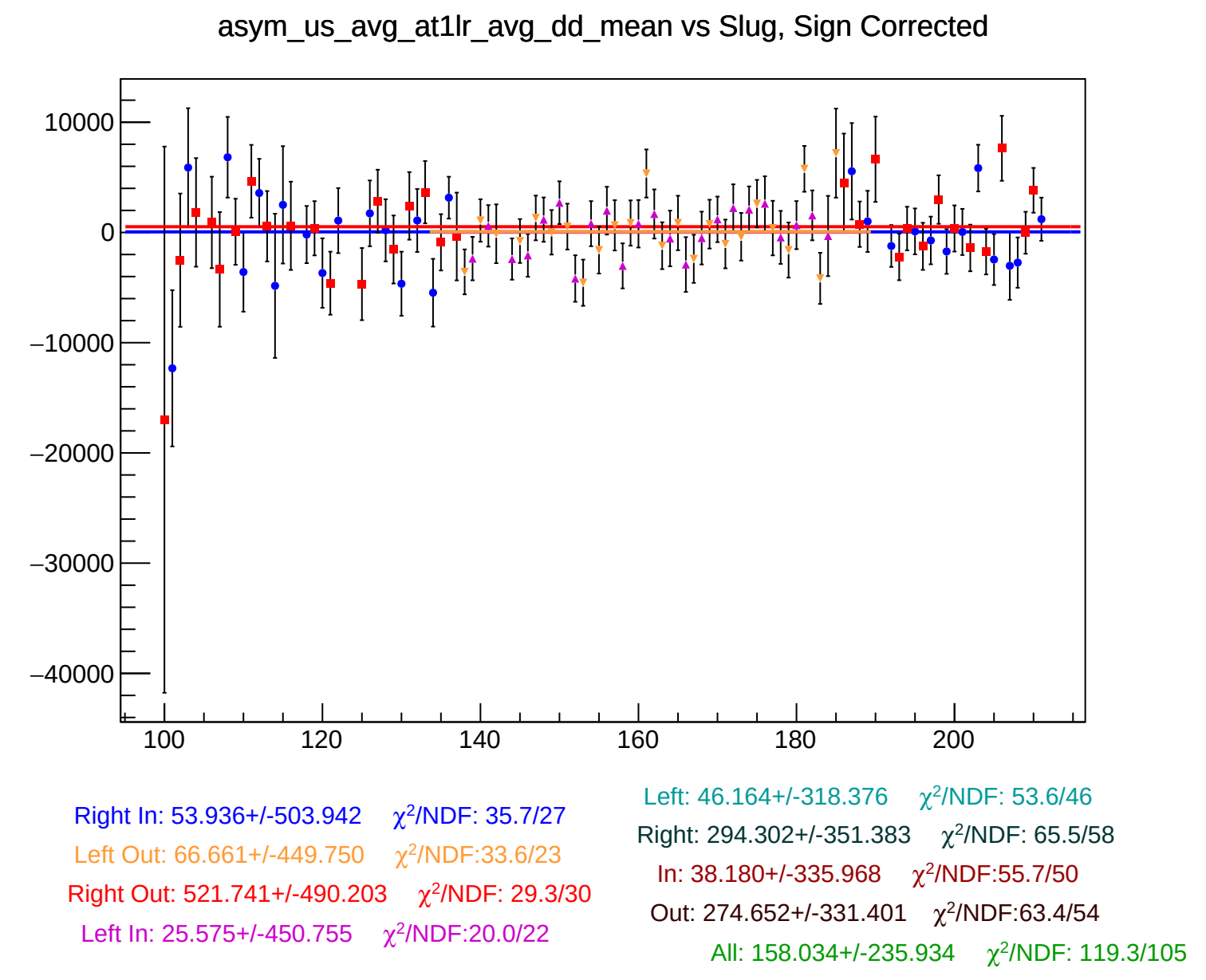
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

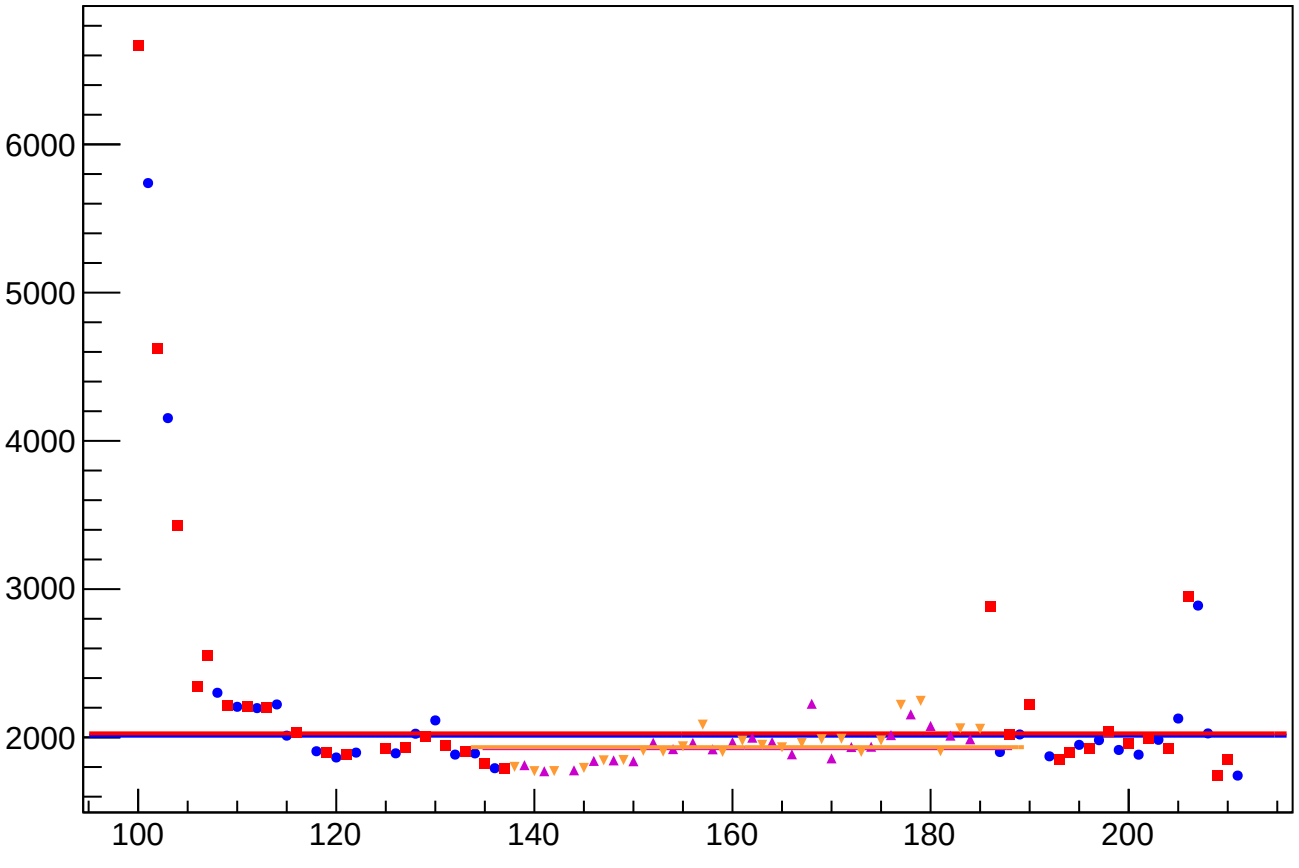
Right: 452.394+/-0.067 χ^2/NDF: 20982474.2/58

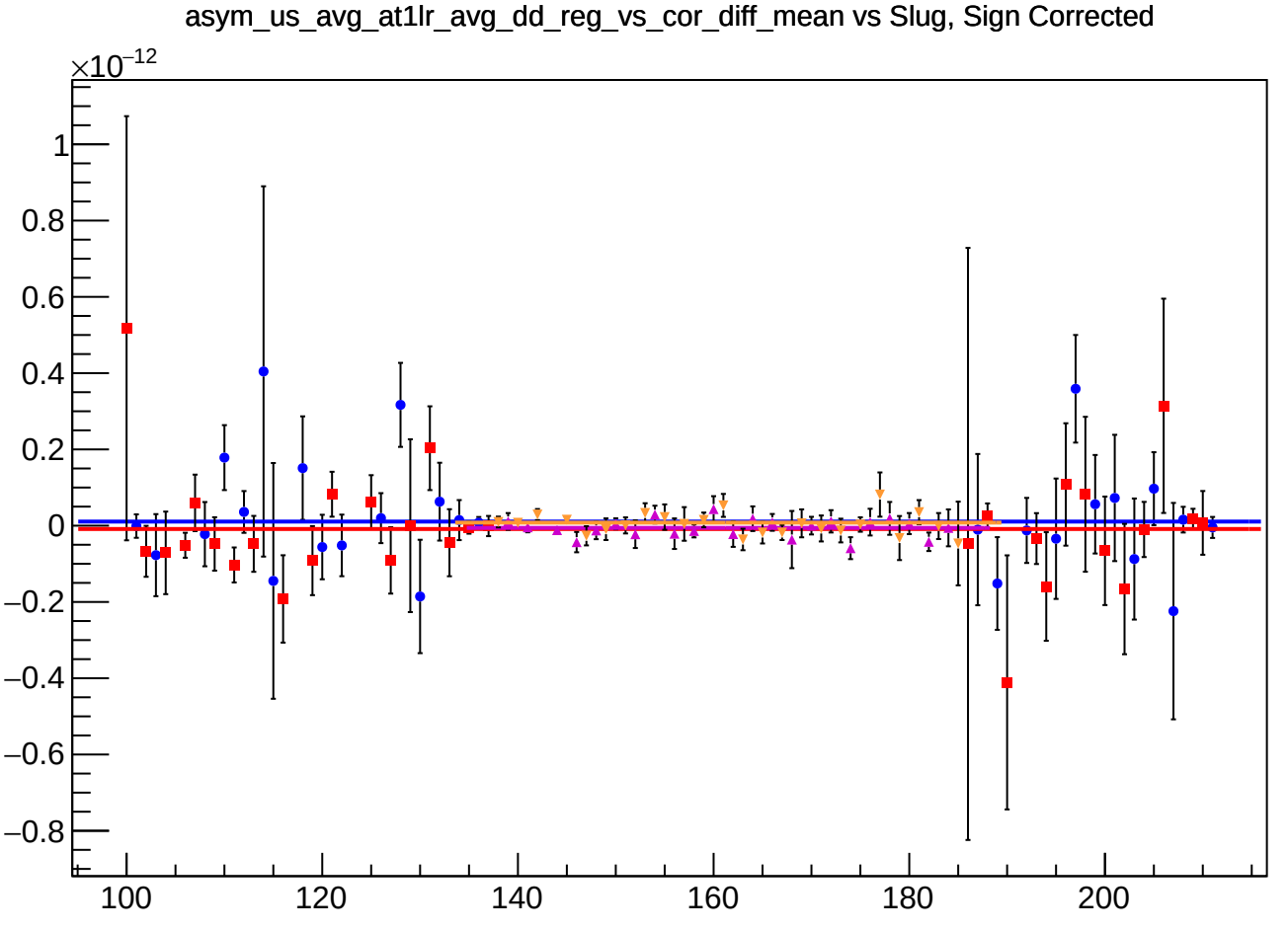
In: 459.947+/-0.067 χ^2/NDF:20828219.6/50

Out: 429.810+/-0.064 χ^2/NDF:25400539.5/54

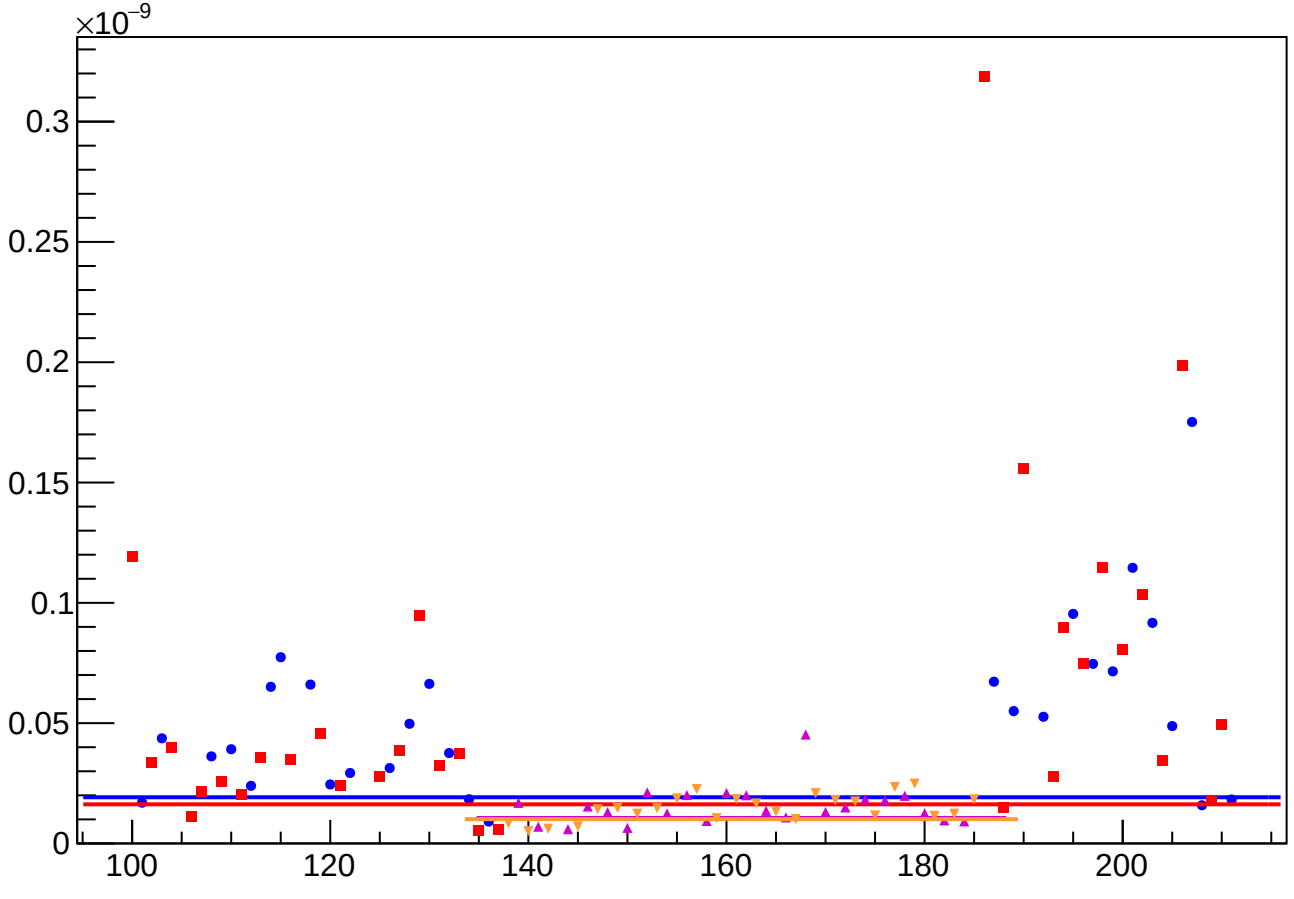
All: 444.268+/-0.046 χ^2/NDF: 46334538.8/10


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 53.936+/-503.942 χ²/NDF: 35.7/27
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 521.741+/-490.203 χ²/NDF: 29.3/30
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 294.302+/-351.383 χ²/NDF: 65.5/58
In: 38.180+/-335.968 χ²/NDF:55.7/50
Out: 274.652+/-331.401 χ²/NDF:63.4/54
All: 158.034+/-235.934 χ²/NDF: 119.3/105


asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2011.481+/-0.356 χ²/NDF: 1178523.5/27
Left Out: 1933.804+/-0.318 χ²/NDF:128531.8/23
Right Out: 2026.902+/-0.347 χ²/NDF: 1061190.7/30
Left In: 1927.125+/-0.319 χ²/NDF:116436.1/22
Left: 1930.472+/-0.225 χ²/NDF: 245187.9/46
Right: 2019.405+/-0.248 χ²/NDF: 2240676.5/58
In: 1964.618+/-0.238 χ²/NDF:1326092.2/50
Out: 1976.354+/-0.234 χ²/NDF:1228889.6/54
All: 1970.566+/-0.167 χ²/NDF: 2556218.7/10


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: 28.6/27
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 29.2/30
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: 59.8/58
In: -0.000+/-0.000 χ²/NDF:47.6/50
Out: 0.000+/-0.000 χ²/NDF:49.2/54
All: 0.000+/-0.000 χ²/NDF: 98.7/105

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5697887.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6901692.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

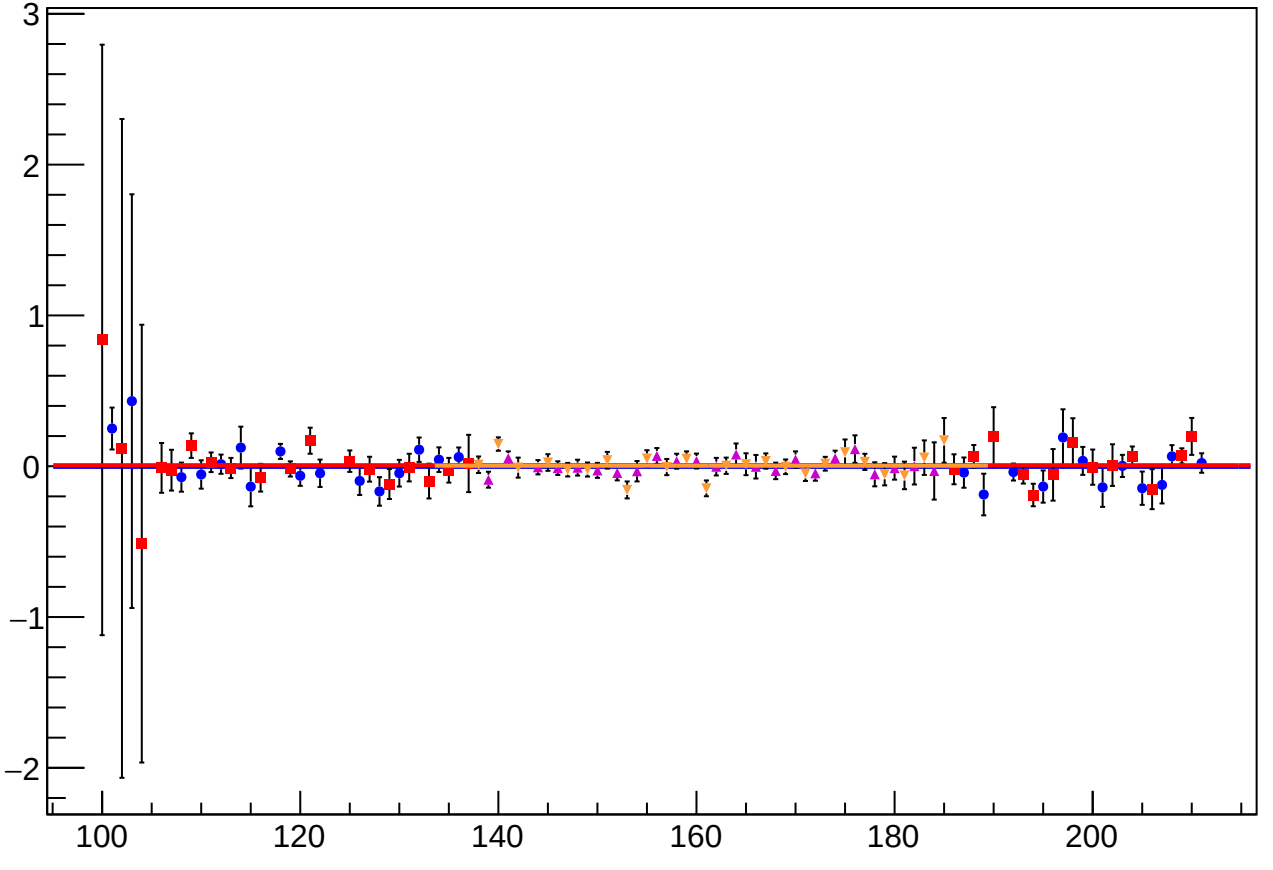
Right: 0.000+/-0.000 χ^2/NDF: 12694495.7/58

In: 0.000+/-0.000 χ^2/NDF:9529511.4/50

Out: 0.000+/-0.000 χ^2/NDF:9918397.2/54

All: 0.000+/-0.000 χ^2/NDF: 19492078.8/105

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

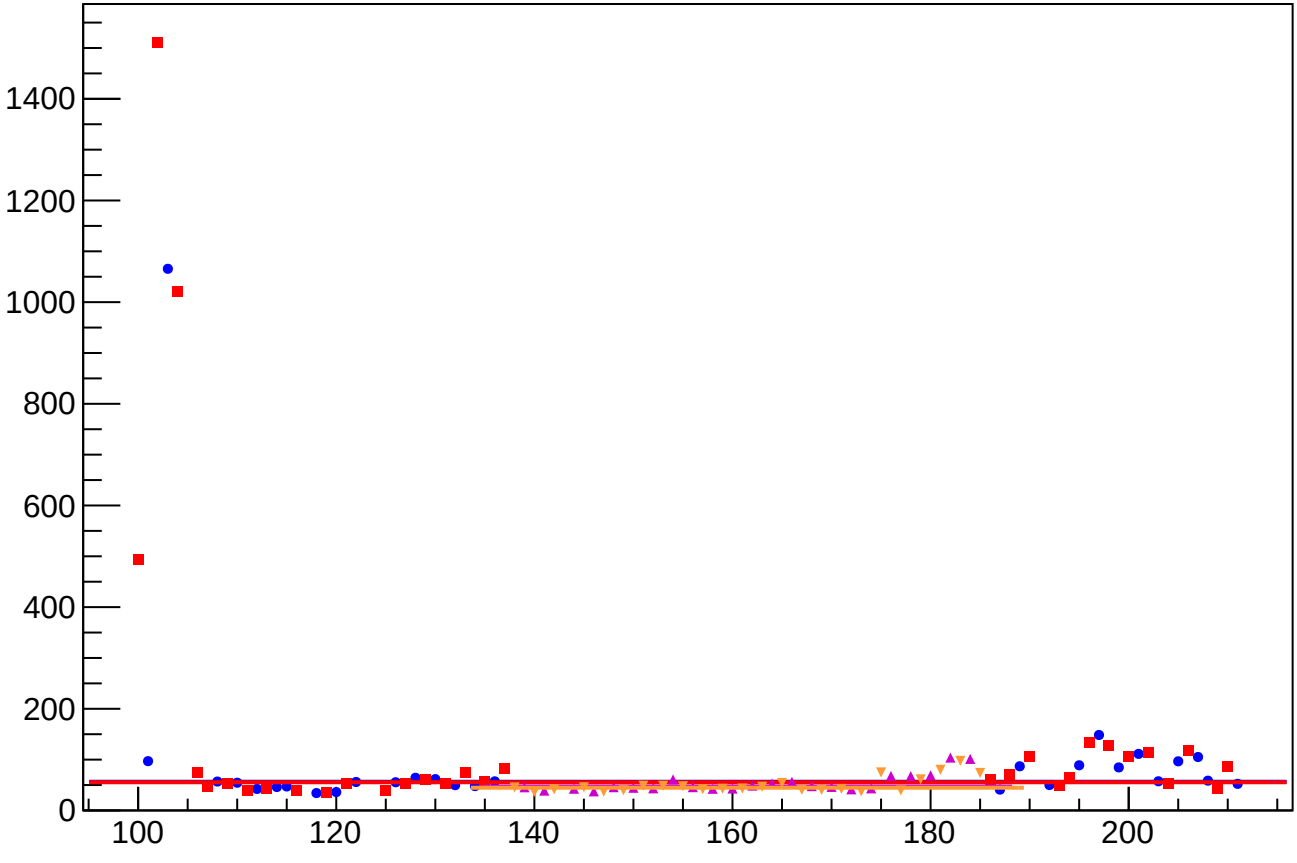
Right: 0.001+/-0.011 χ^2/NDF: 56.5/58

In: 0.000+/-0.010 χ^2/NDF:43.3/50

Out: 0.005+/-0.009 χ^2/NDF:62.6/54

All: 0.003+/-0.007 χ^2/NDF: 106.0/105

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.442+/-0.011 χ^2/NDF: 3983248.4/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.498+/-0.011 χ^2/NDF: 5207764.2/30

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

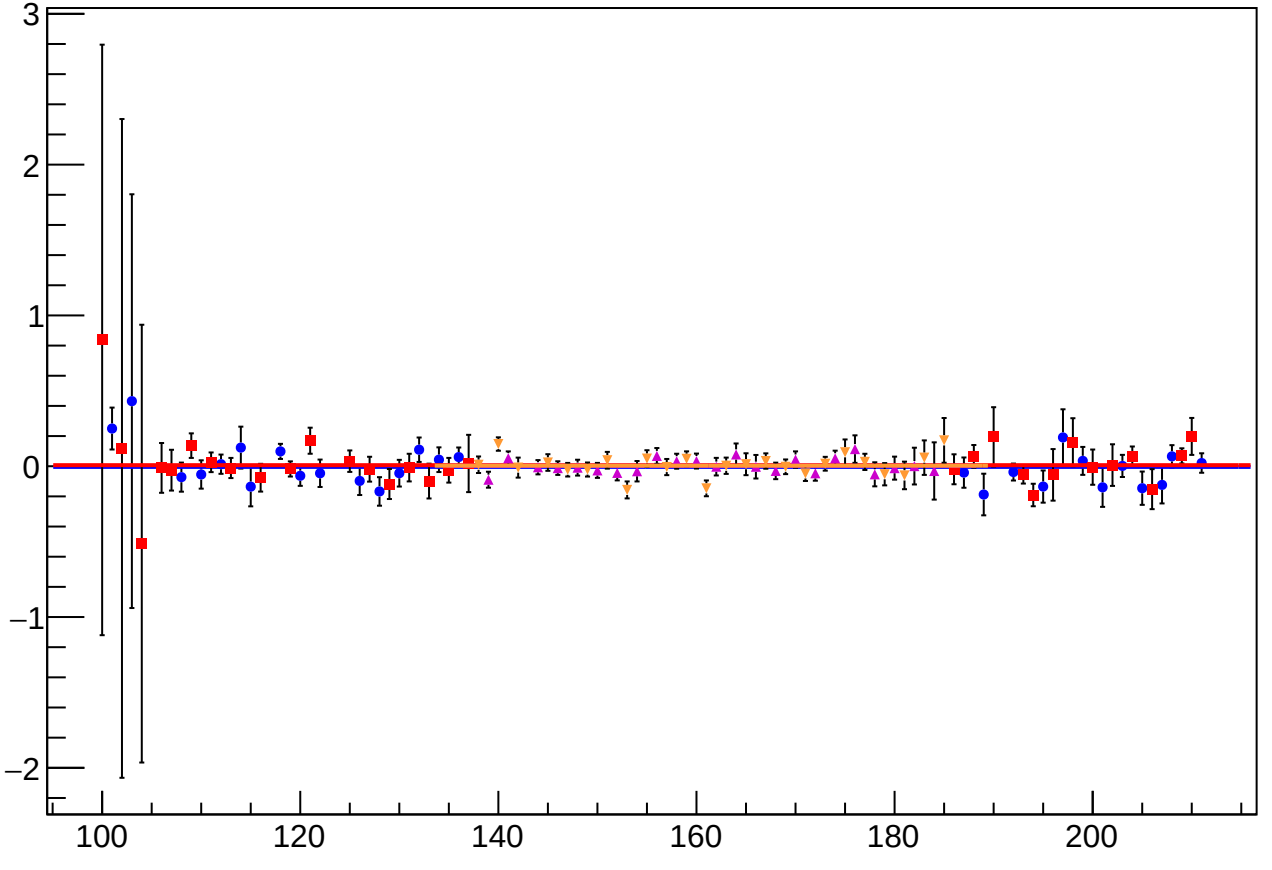
Right: 55.964+/-0.008 χ^2/NDF: 9194436.8/58

In: 50.335+/-0.007 χ^2/NDF:5802194.4/50

Out: 48.394+/-0.007 χ^2/NDF:7284600.2/54

All: 49.337+/-0.005 χ^2/NDF: 13128683.2/105

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

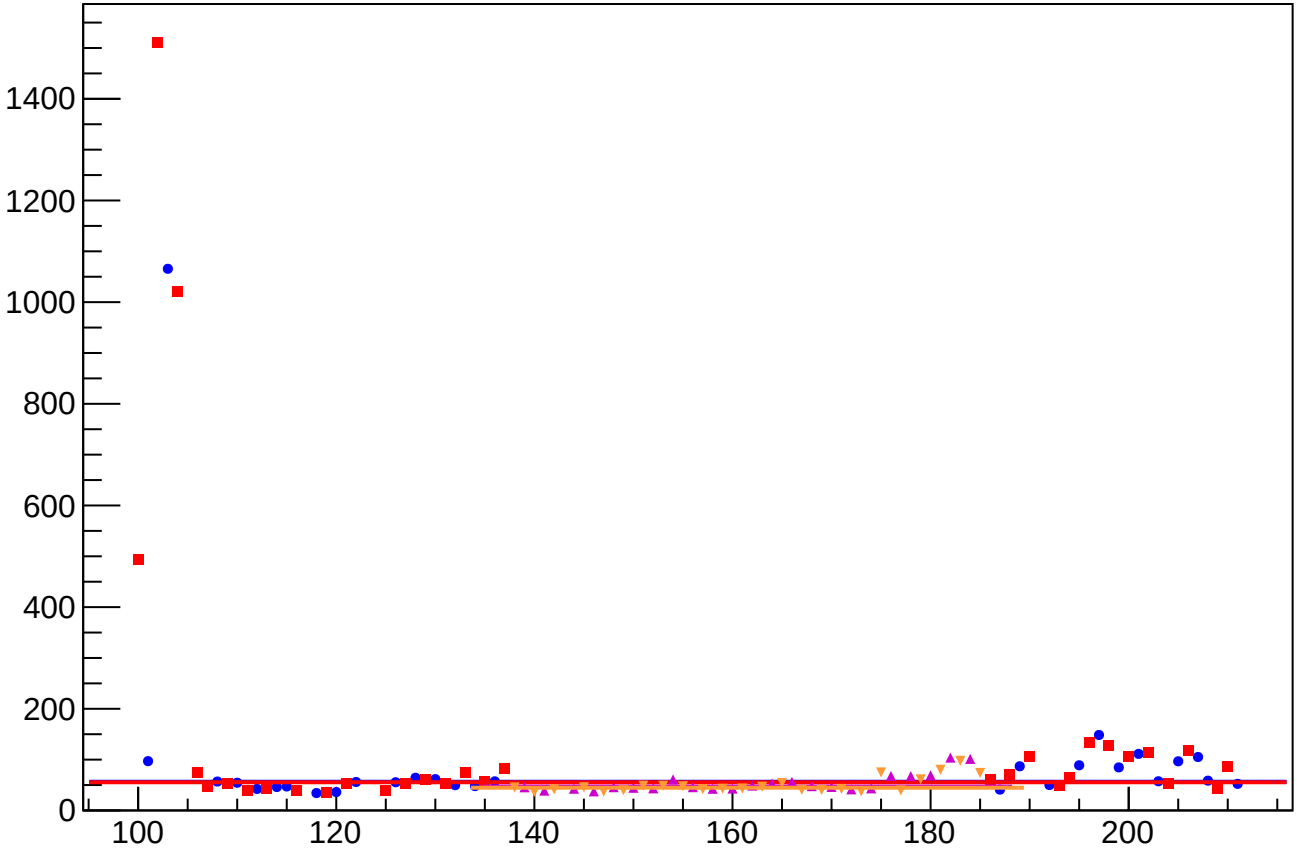
Right: 0.001+/-0.011 χ^2/NDF: 56.5/58

In: 0.000+/-0.010 χ^2/NDF:43.3/50

Out: 0.005+/-0.009 χ^2/NDF:62.6/54

All: 0.003+/-0.007 χ^2/NDF: 106.0/105

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.442+/-0.011 χ^2/NDF: 3983248.4/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.498+/-0.011 χ^2/NDF: 5207764.2/30

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

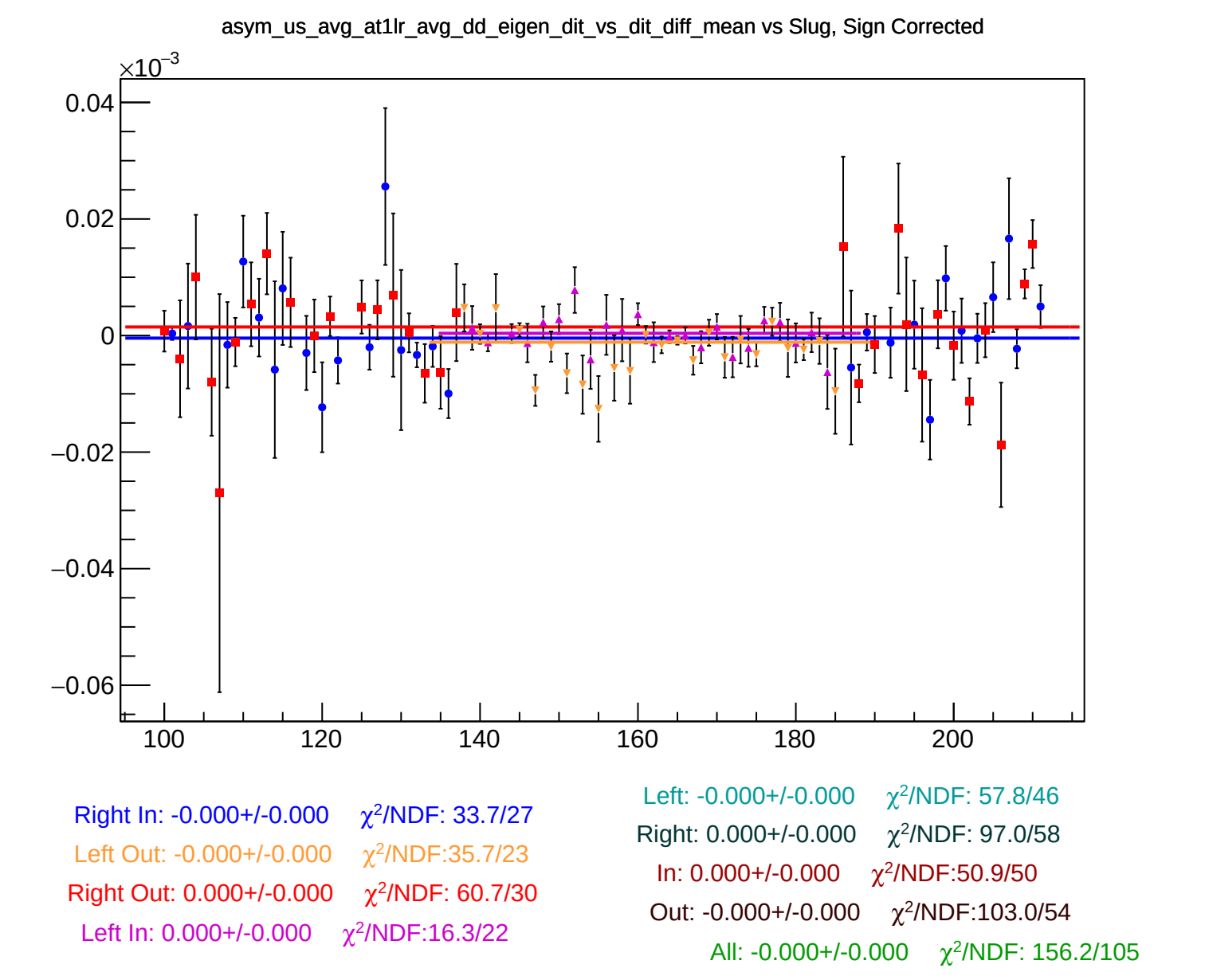
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.964+/-0.008 χ^2/NDF: 9194436.8/58

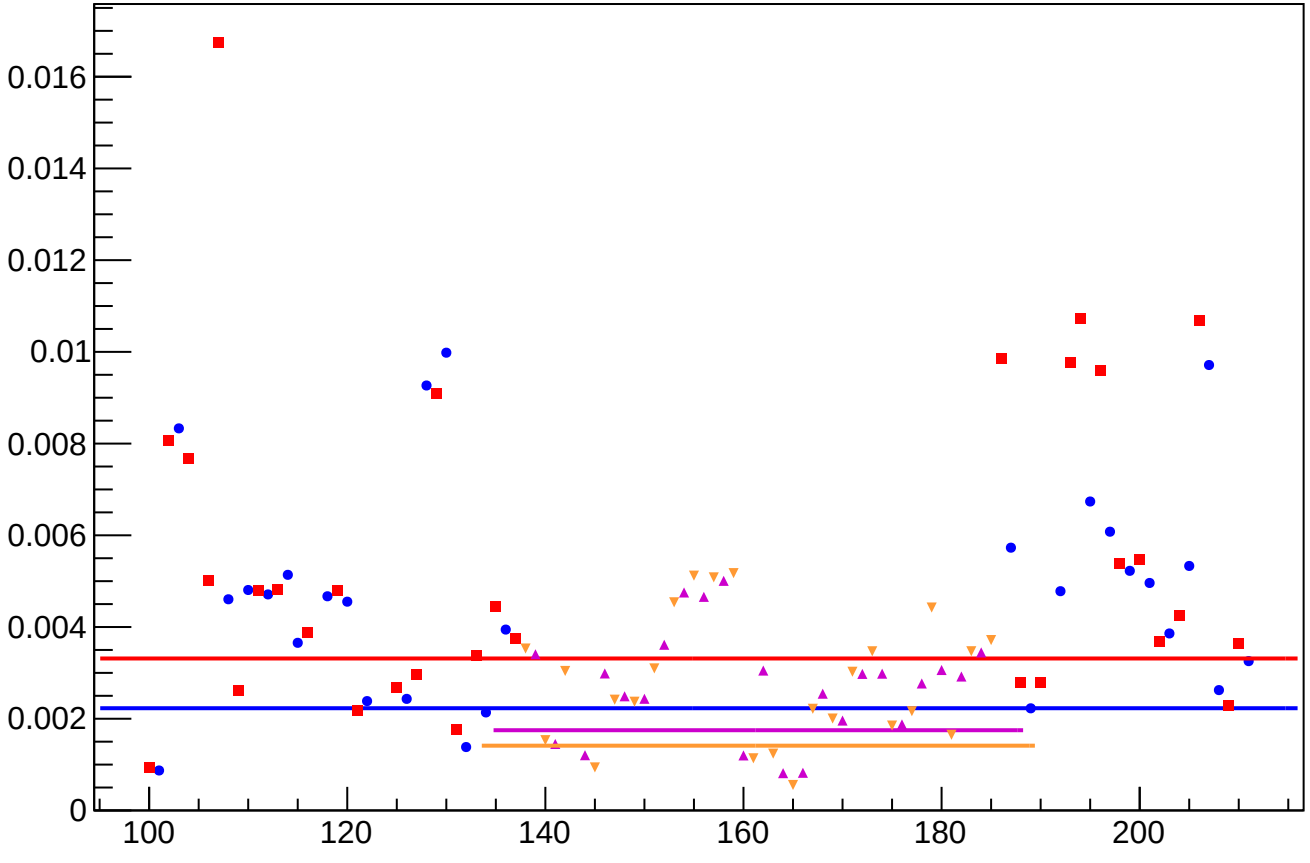
In: 50.335+/-0.007 χ^2/NDF:5802194.4/50

Out: 48.394+/-0.007 χ^2/NDF:7284600.2/54

All: 49.337+/-0.005 χ^2/NDF: 13128683.2/105


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.7/27
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 60.7/30
Left In: 0.000+/-0.000 χ²/NDF:16.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.8/46
Right: 0.000+/-0.000 χ²/NDF: 97.0/58
In: 0.000+/-0.000 χ²/NDF:50.9/50
Out: -0.000+/-0.000 χ²/NDF:103.0/54
All: -0.000+/-0.000 χ²/NDF: 156.2/105

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: 11821848.7/27

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8006374.6/30

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

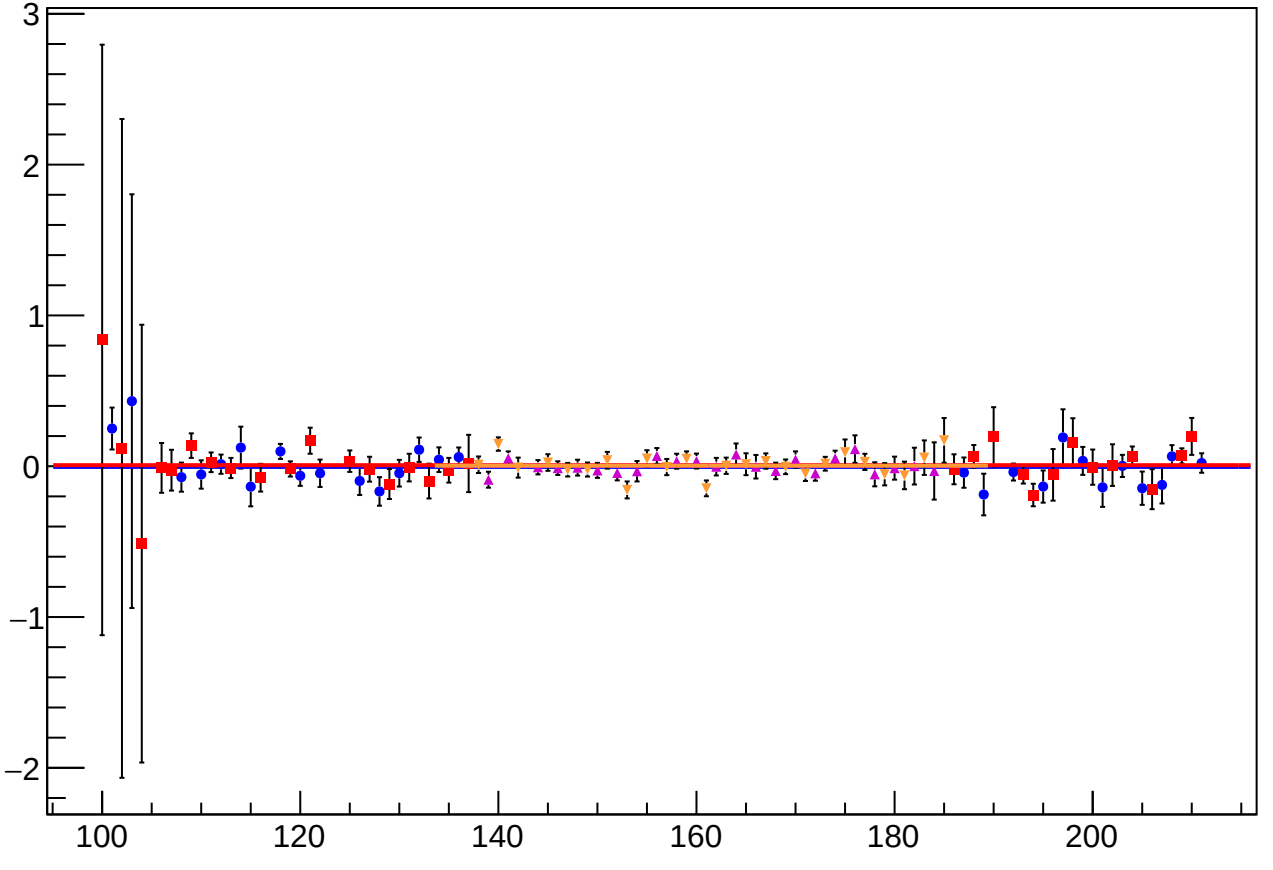
Right: 0.003+/-0.000 χ^2/NDF: 21541191.2/58

In: 0.002+/-0.000 χ^2/NDF:20671381.0/50

Out: 0.002+/-0.000 χ^2/NDF:26622327.8/54

All: 0.002+/-0.000 χ^2/NDF: 47505389.7/105

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

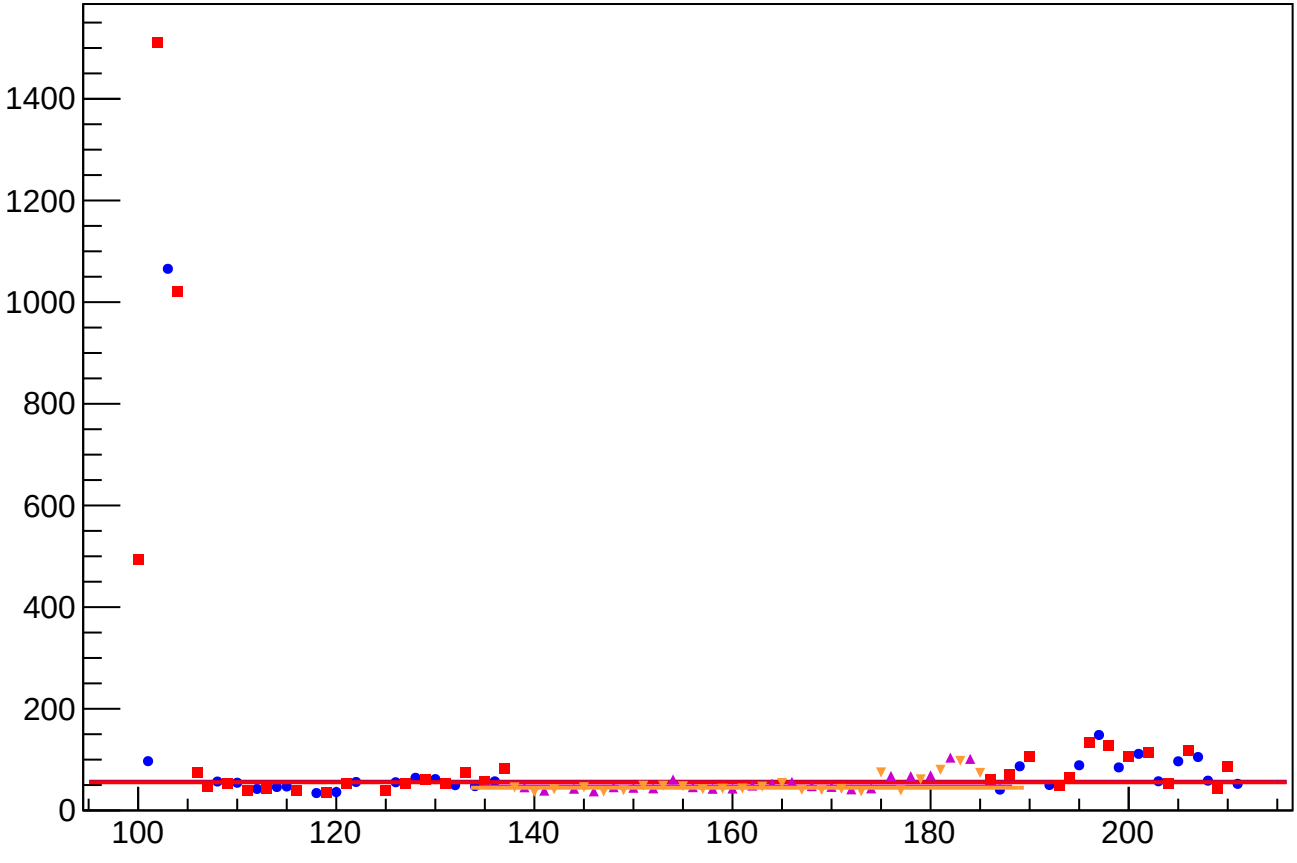
Right: 0.001+/-0.011 χ^2/NDF: 56.5/58

In: 0.000+/-0.010 χ^2/NDF:43.3/50

Out: 0.005+/-0.009 χ^2/NDF:62.6/54

All: 0.003+/-0.007 χ^2/NDF: 106.0/105

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.442+/-0.011 χ^2/NDF: 3983302.6/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.497+/-0.011 χ^2/NDF: 5207945.5/30

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

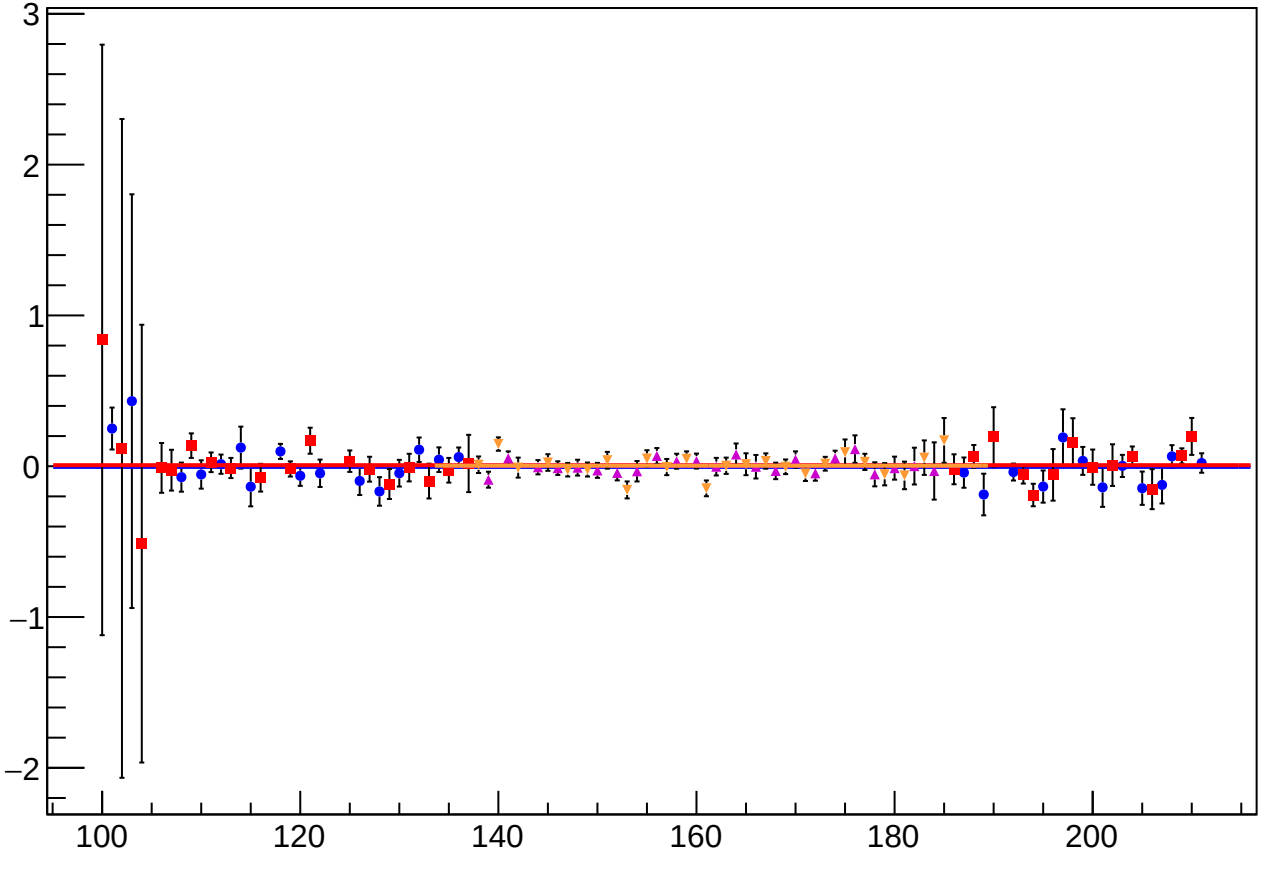
Right: 55.963+/-0.008 χ^2/NDF: 9194676.1/58

In: 50.335+/-0.007 χ^2/NDF:5802303.6/50

Out: 48.394+/-0.007 χ^2/NDF:7284666.0/54

All: 49.337+/-0.005 χ^2/NDF: 13128851.4/105

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 28.7/27

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.016 χ^2/NDF: 27.5/30

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

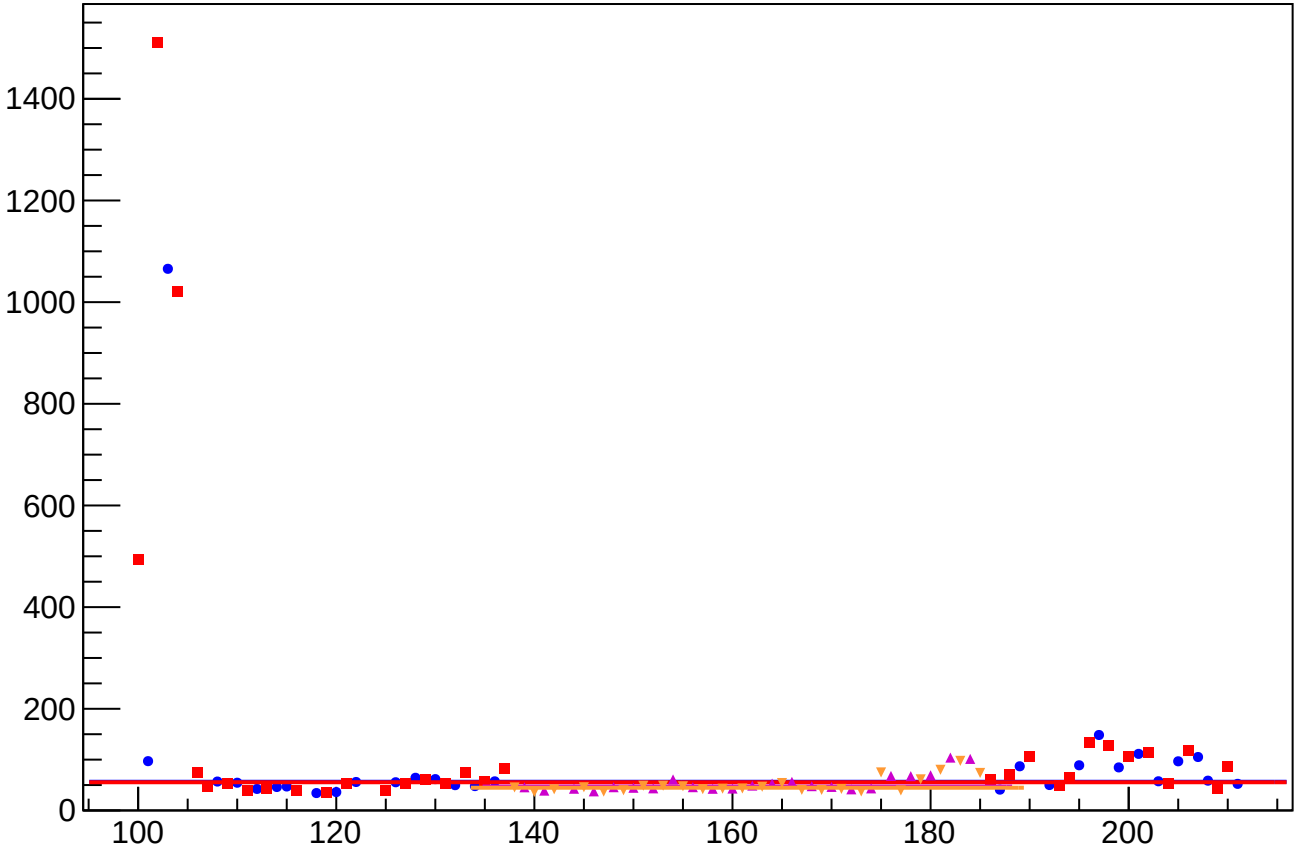
Right: 0.001+/-0.011 χ^2/NDF: 56.5/58

In: 0.000+/-0.010 χ^2/NDF:43.3/50

Out: 0.005+/-0.009 χ^2/NDF:62.6/54

All: 0.003+/-0.007 χ^2/NDF: 106.0/105

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.442+/-0.011 χ^2/NDF: 3983302.6/27

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.497+/-0.011 χ^2/NDF: 5207945.5/30

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

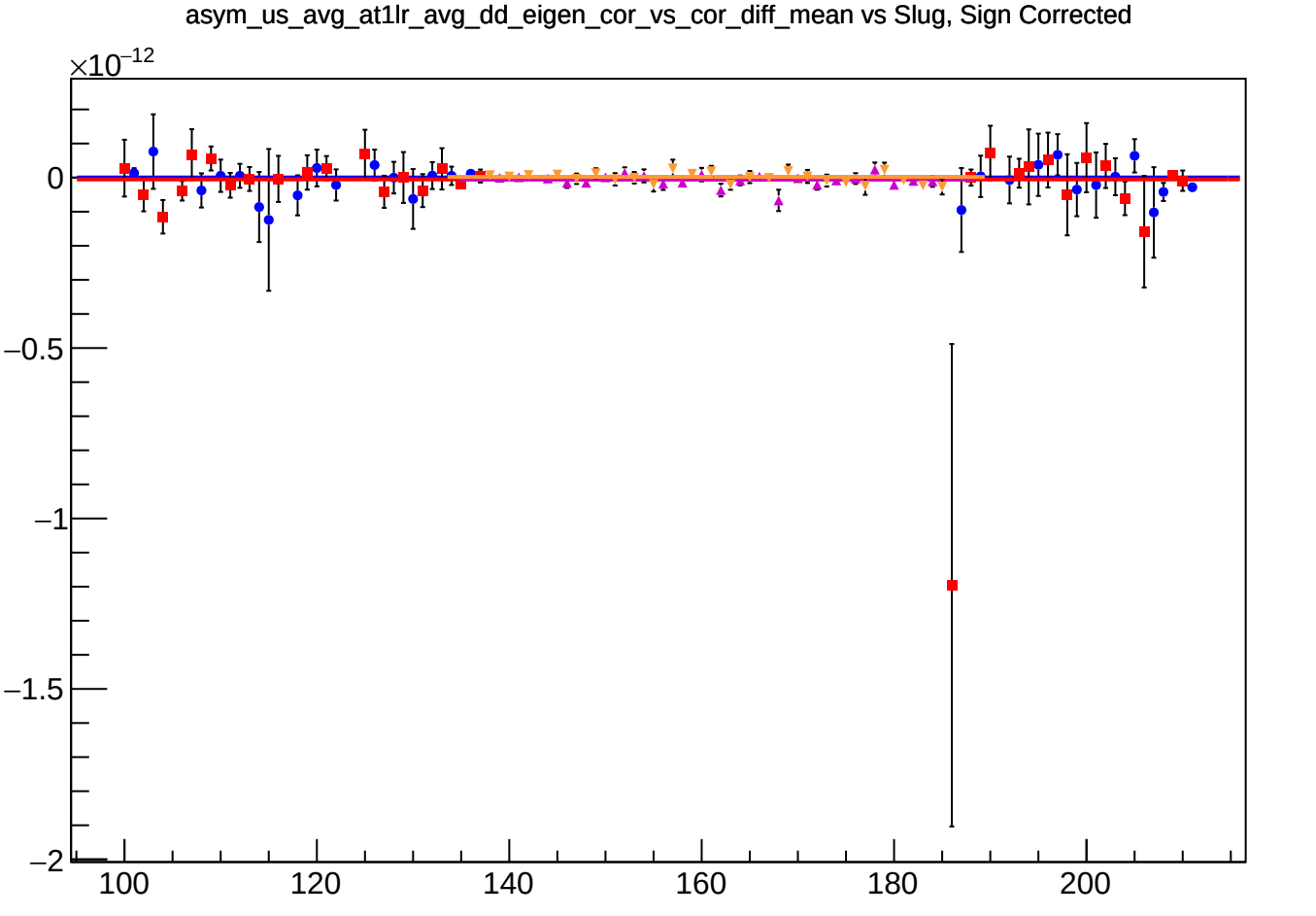
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.963+/-0.008 χ^2/NDF: 9194676.1/58

In: 50.335+/-0.007 χ^2/NDF:5802303.6/50

Out: 48.394+/-0.007 χ^2/NDF:7284666.0/54

All: 49.337+/-0.005 χ^2/NDF: 13128851.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/30

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

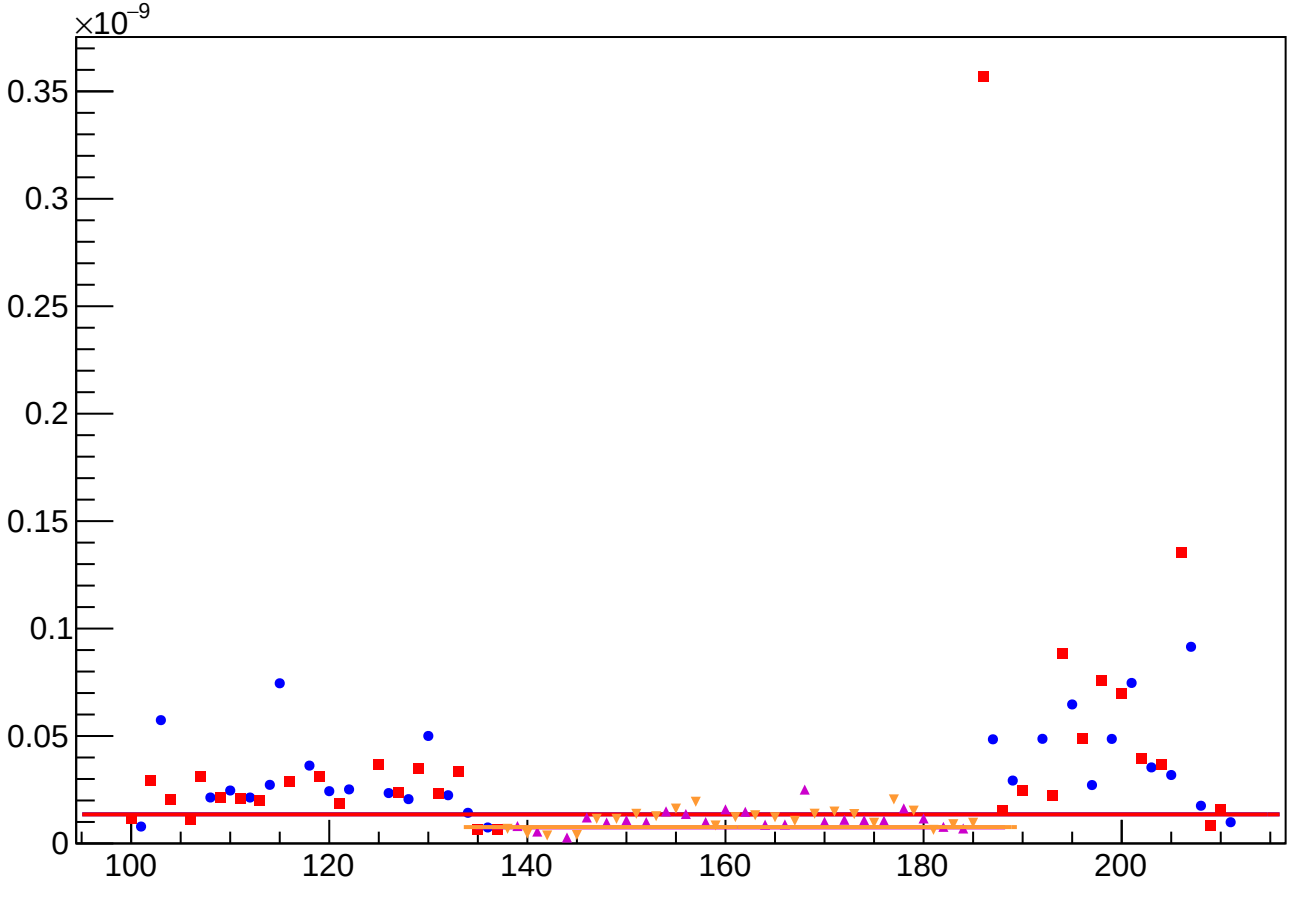
Right: -0.000+/-0.000 χ^2/NDF: 44.2/58

In: -0.000+/-0.000 χ^2/NDF:36.8/50

Out: 0.000+/-0.000 χ^2/NDF:47.5/54

All: -0.000+/-0.000 χ^2/NDF: 87.0/105

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7309459.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8298362.1/30

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

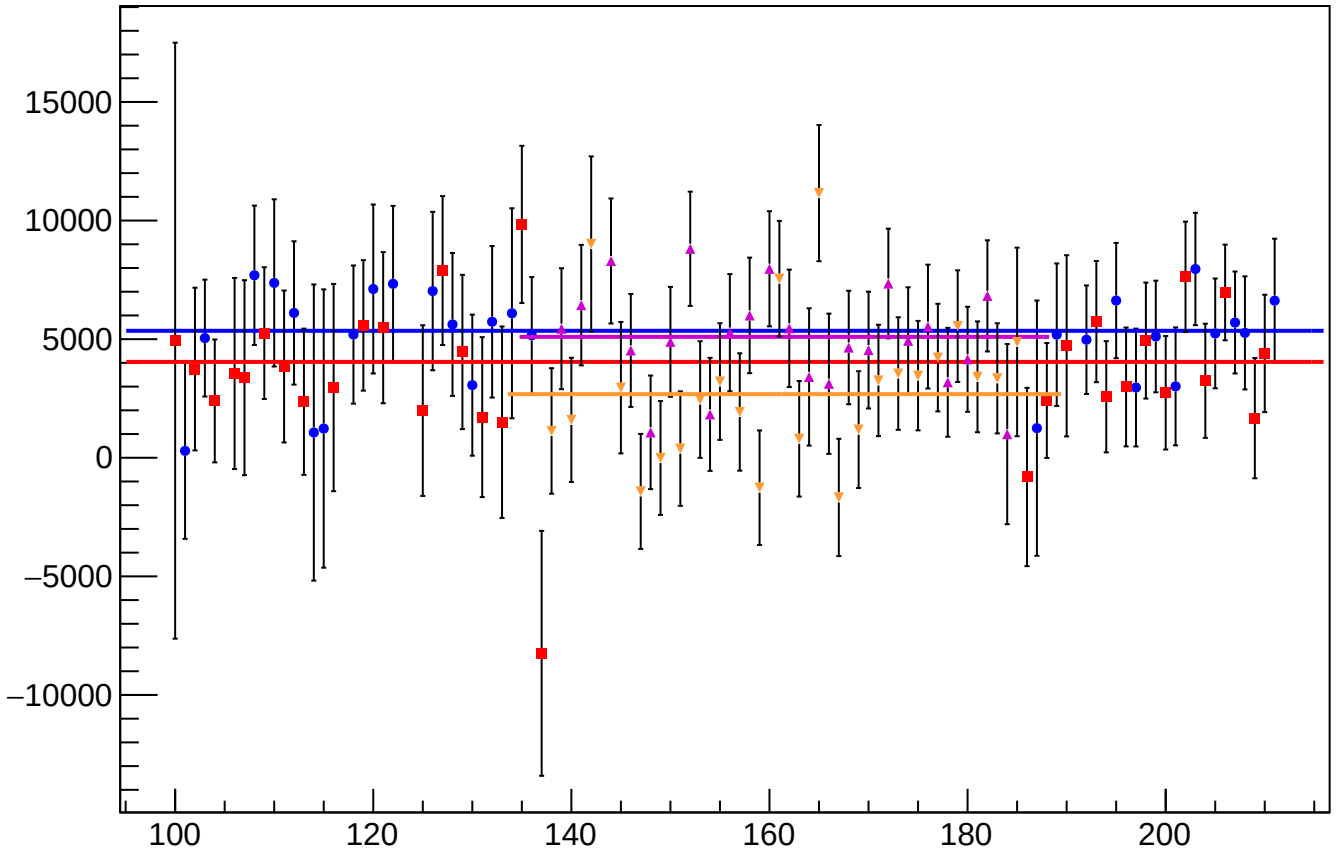
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 15607896.0/58

In: 0.000+/-0.000 χ^2/NDF:15254540.5/50

Out: 0.000+/-0.000 χ^2/NDF:15707009.4/54

All: 0.000+/-0.000 χ^2/NDF: 30965652.6/105



Right In: 5352.795+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 4041.477+/-527.349 χ^2/NDF: 22.1/30

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

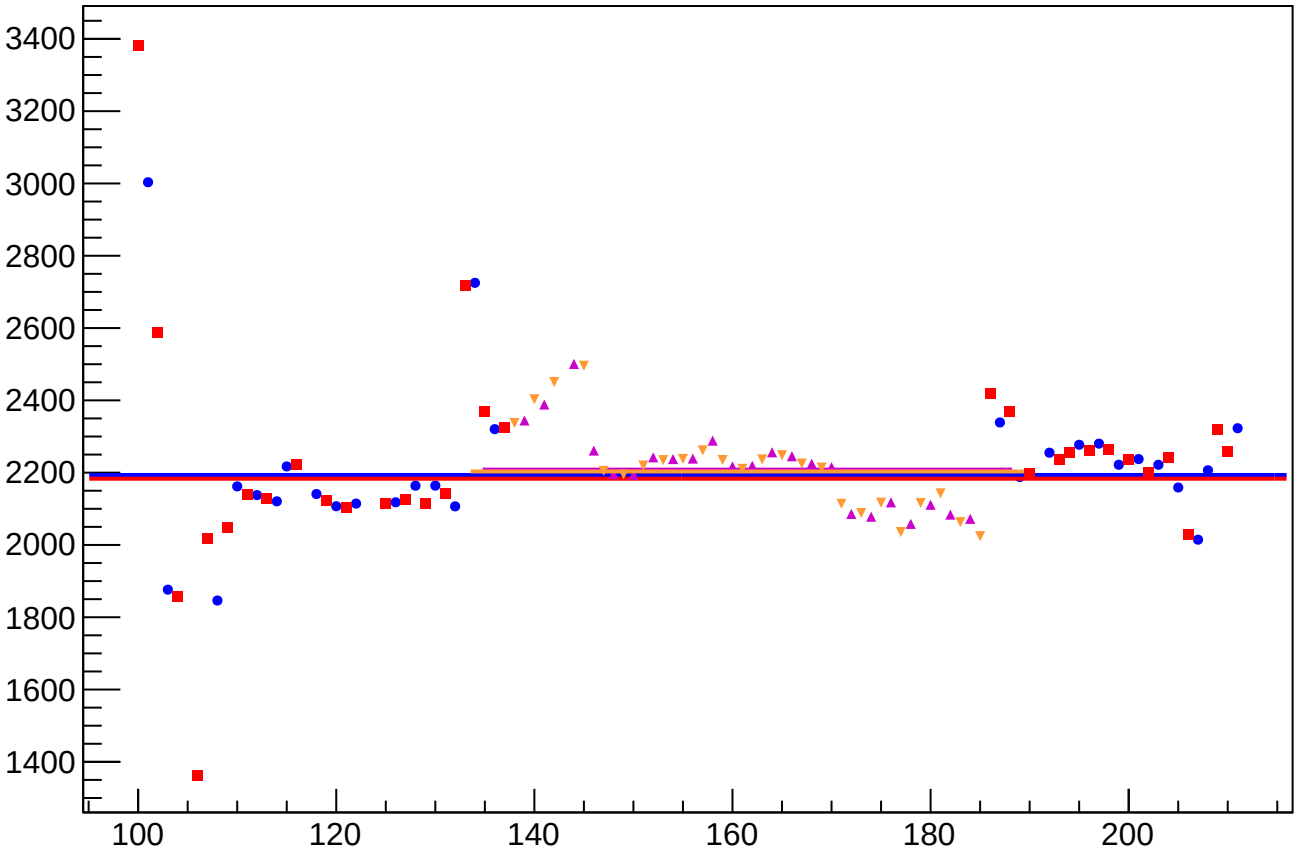
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4681.532+/-377.303 χ^2/NDF: 34.6/58

In: 5218.832+/-373.168 χ^2/NDF:24.6/50

Out: 3342.142+/-367.352 χ^2/NDF:56.3/54

All: 4265.750+/-261.789 χ^2/NDF: 93.7/105



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.0/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2183.269+/-0.370 χ^2/NDF: 332573.7/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

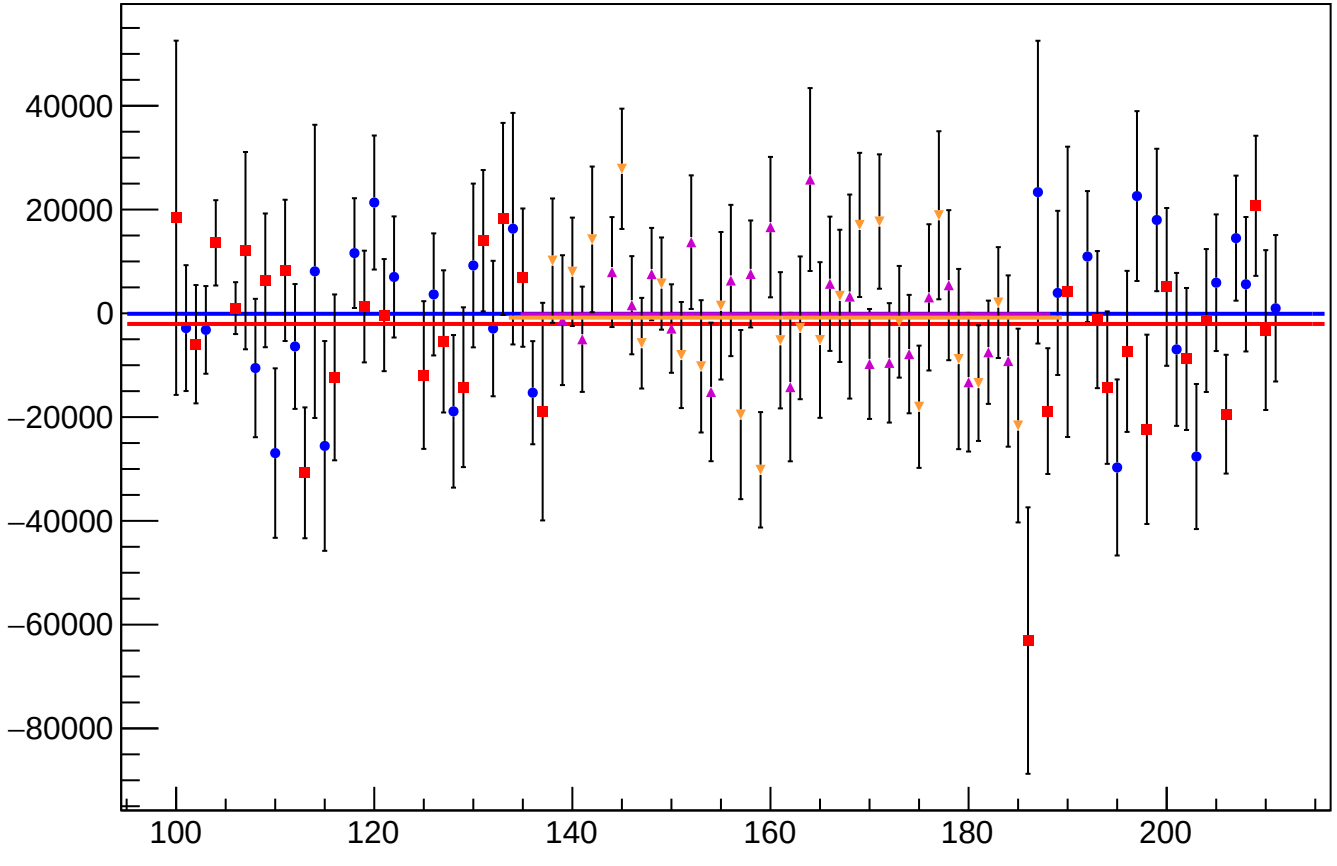
Right: 2188.257+/-0.266 χ^2/NDF: 558682.9/58

In: 2201.304+/-0.264 χ^2/NDF:307516.2/50

Out: 2193.510+/-0.259 χ^2/NDF:422277.3/54

All: 2197.332+/-0.185 χ^2/NDF: 730238.1/105

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -87.851+/-2546.291 χ^2/NDF: 28.9/27

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2047.721+/-2264.646 χ^2/NDF: 31.9/30

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

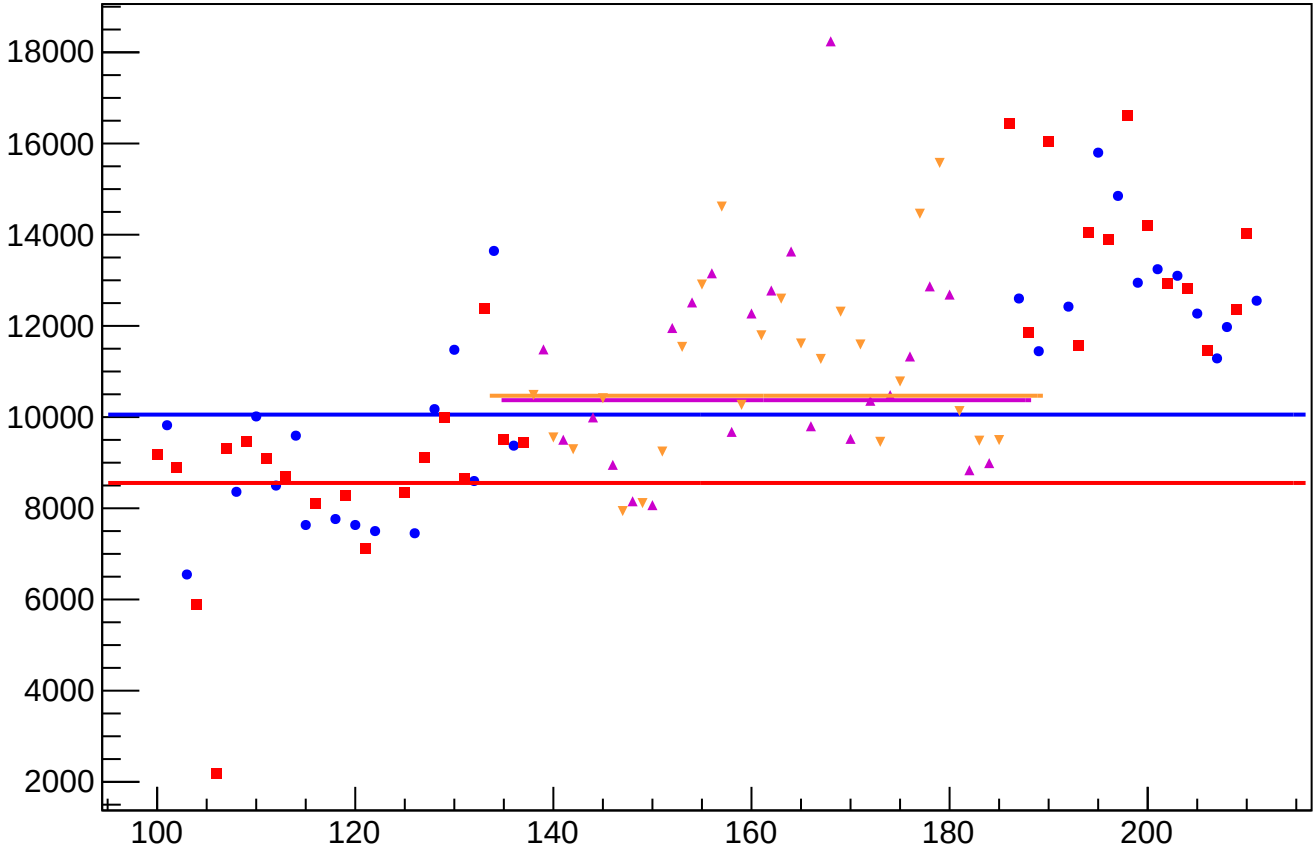
Right: -1182.130+/-1692.196 χ^2/NDF: 61.1/58

In: -136.553+/-1773.364 χ^2/NDF:42.7/50

Out: -1495.959+/-1672.758 χ^2/NDF:61.5/54

All: -855.908+/-1216.831 χ^2/NDF: 104.5/105

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 10054.556+/-1.800 χ^2/NDF: 1863735.5/27

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8555.388+/-1.601 χ^2/NDF: 6341297.0/30

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

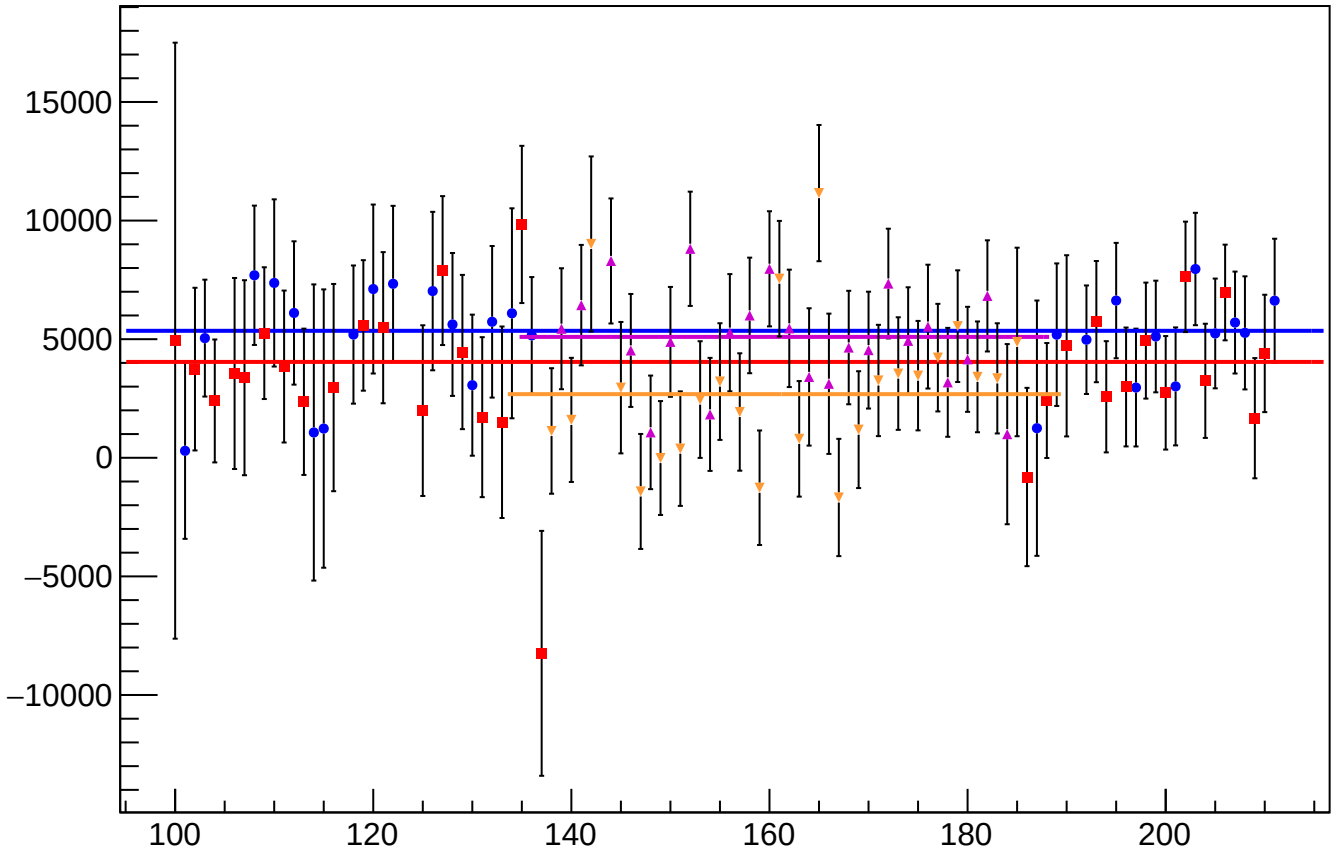
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9217.506+/-1.197 χ^2/NDF: 8592125.6/58

In: 10217.457+/-1.254 χ^2/NDF:3083389.7/50

Out: 9424.807+/-1.183 χ^2/NDF:8035247.5/54

All: 9798.011+/-0.860 χ^2/NDF: 11330079.6/1



Right In: 5352.840+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4041.379+/-527.349 χ^2/NDF: 22.0/30

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

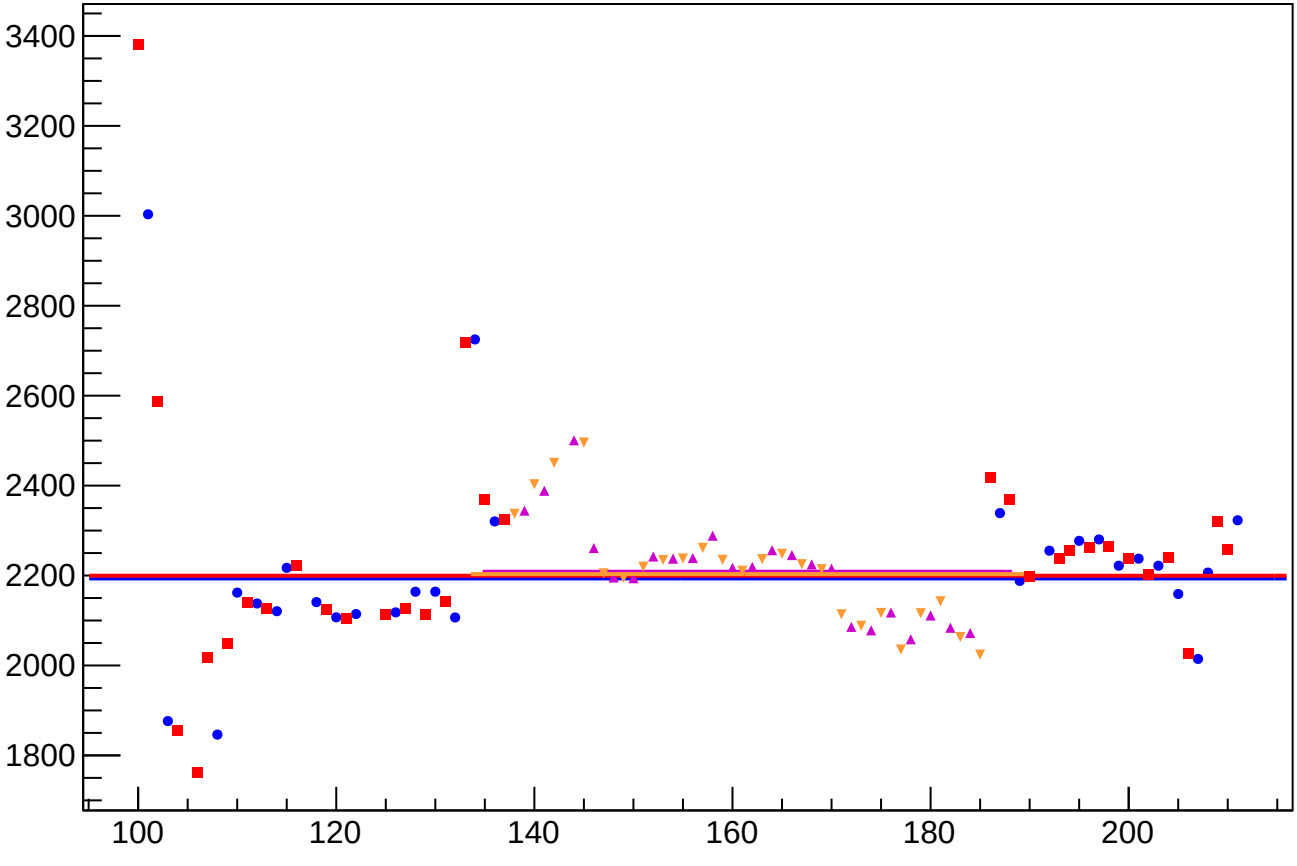
Right: 4681.504+/-377.303 χ^2/NDF: 34.6/58

In: 5218.806+/-373.168 χ^2/NDF:24.6/50

Out: 3342.053+/-367.352 χ^2/NDF:56.3/54

All: 4265.692+/-261.789 χ^2/NDF: 93.7/105

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.4/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.571+/-0.372 χ^2/NDF: 208307.0/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

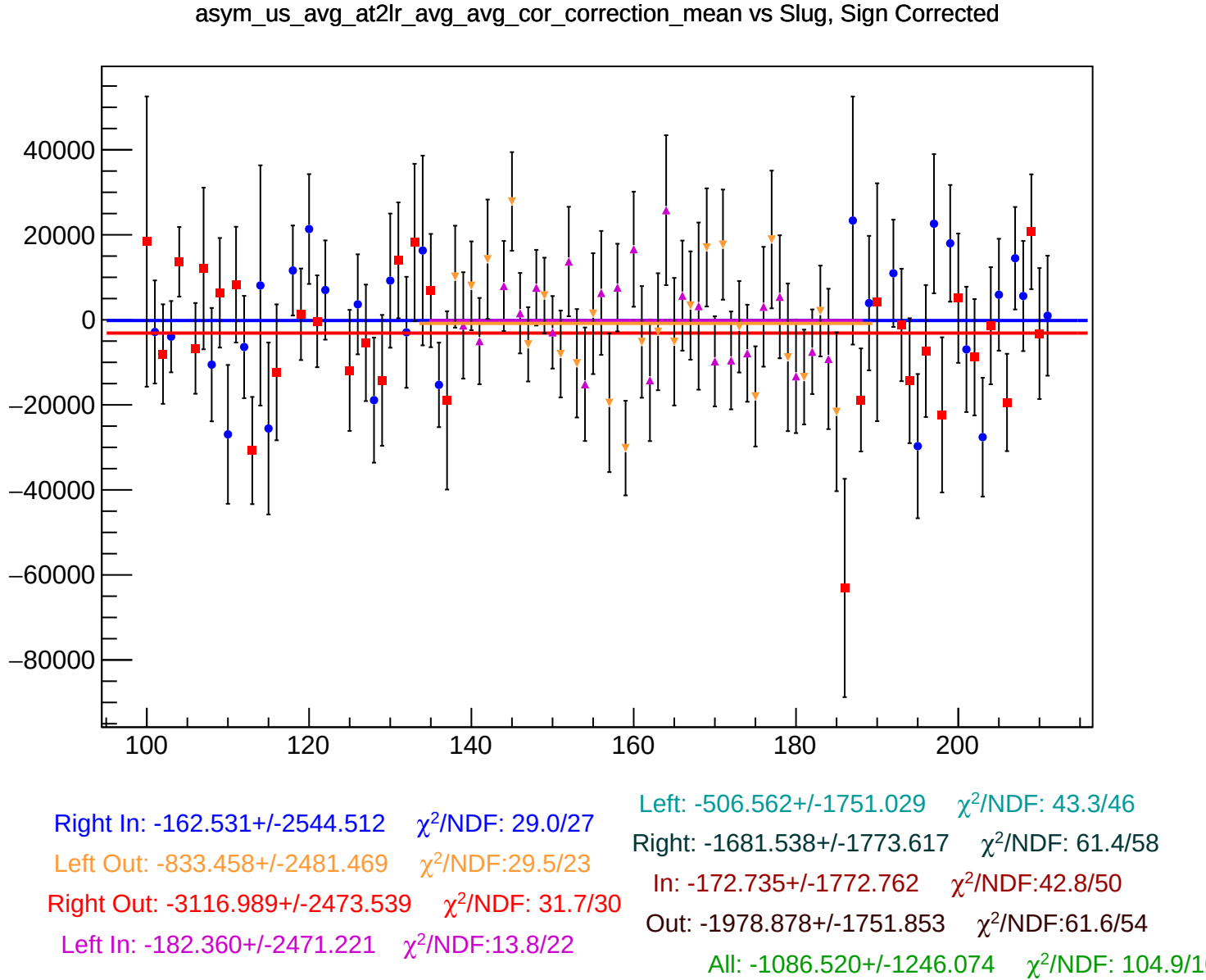
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2196.644+/-0.267 χ^2/NDF: 434169.5/58

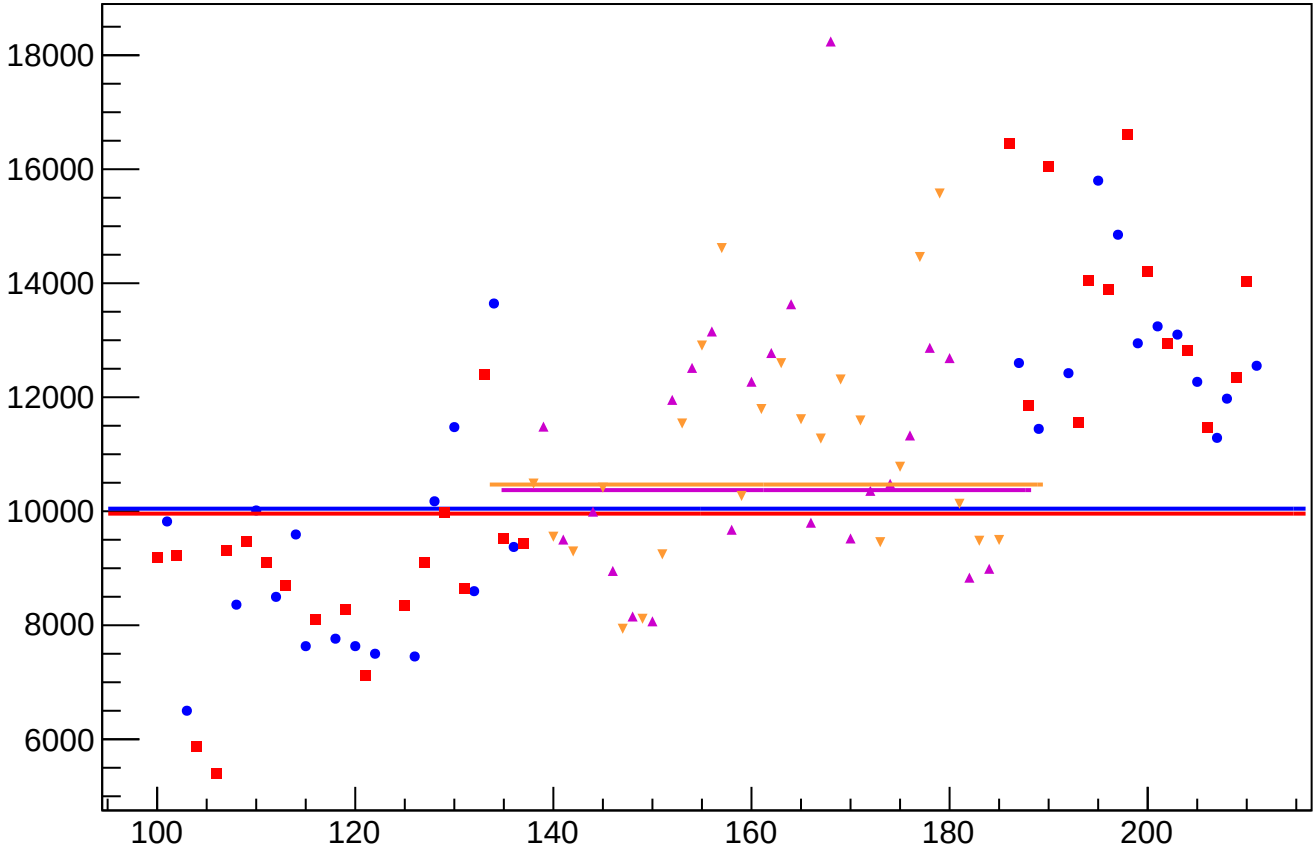
In: 2201.304+/-0.264 χ^2/NDF:307516.6/50

Out: 2201.485+/-0.259 χ^2/NDF:296566.8/54

All: 2201.396+/-0.185 χ^2/NDF: 604083.6/105


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -162.531+/-2544.512 χ²/NDF: 29.0/27
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3116.989+/-2473.539 χ²/NDF: 31.7/30
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1681.538+/-1773.617 χ²/NDF: 61.4/58
In: -172.735+/-1772.762 χ²/NDF:42.8/50
Out: -1978.878+/-1751.853 χ²/NDF:61.6/54
All: -1086.520+/-1246.074 χ²/NDF: 104.9/10

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 10045.283+/-1.799 χ^2/NDF: 1878502.6/27

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9958.338+/-1.749 χ^2/NDF: 2629429.4/30

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

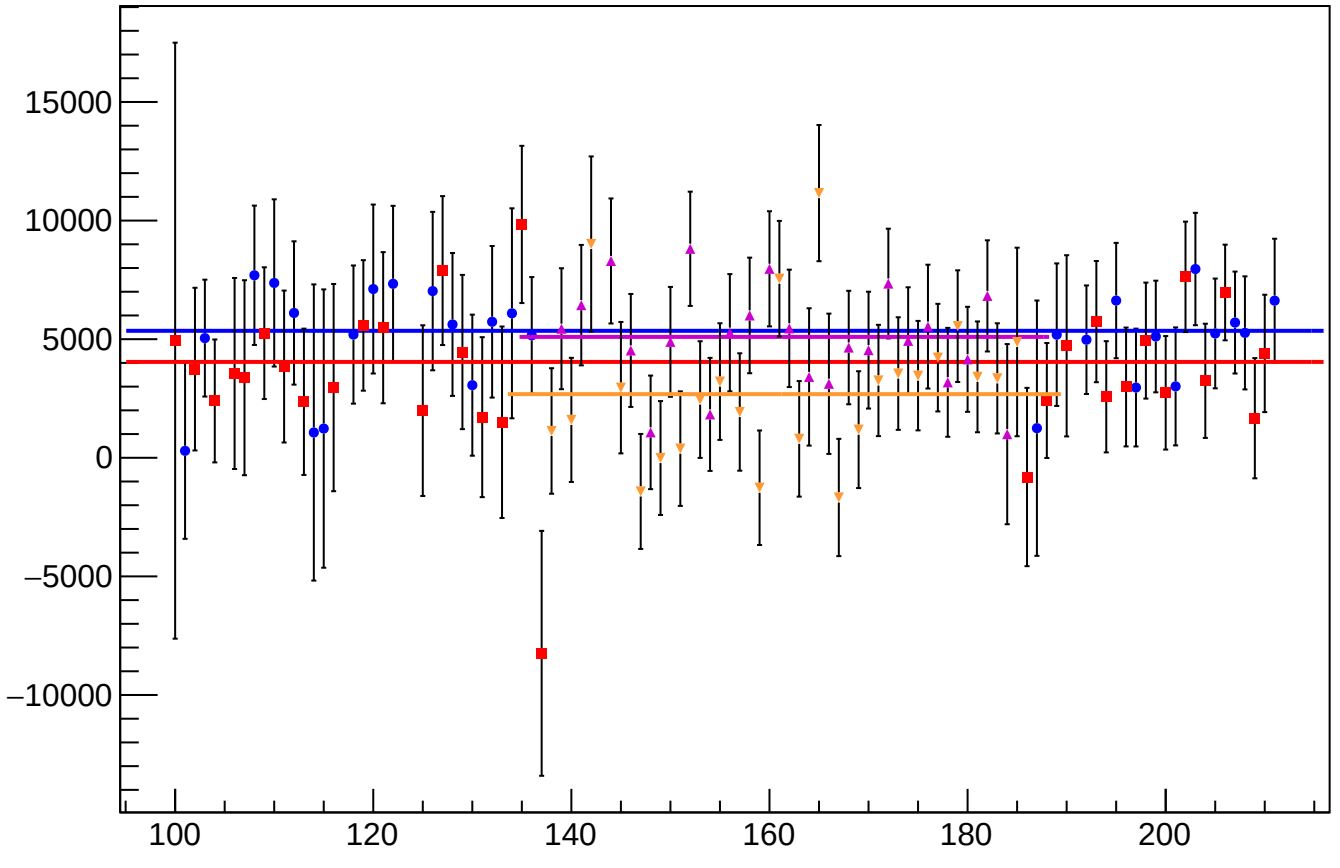
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10000.581+/-1.254 χ^2/NDF: 4509132.6/58

In: 10212.841+/-1.254 χ^2/NDF:3099119.4/50

Out: 10212.690+/-1.239 χ^2/NDF:3717119.2/54

All: 10212.765+/-0.881 χ^2/NDF: 6816238.6/1



Right In: 5352.840+/-540.052 χ^2/NDF: 9.6/27

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4041.379+/-527.349 χ^2/NDF: 22.0/30

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

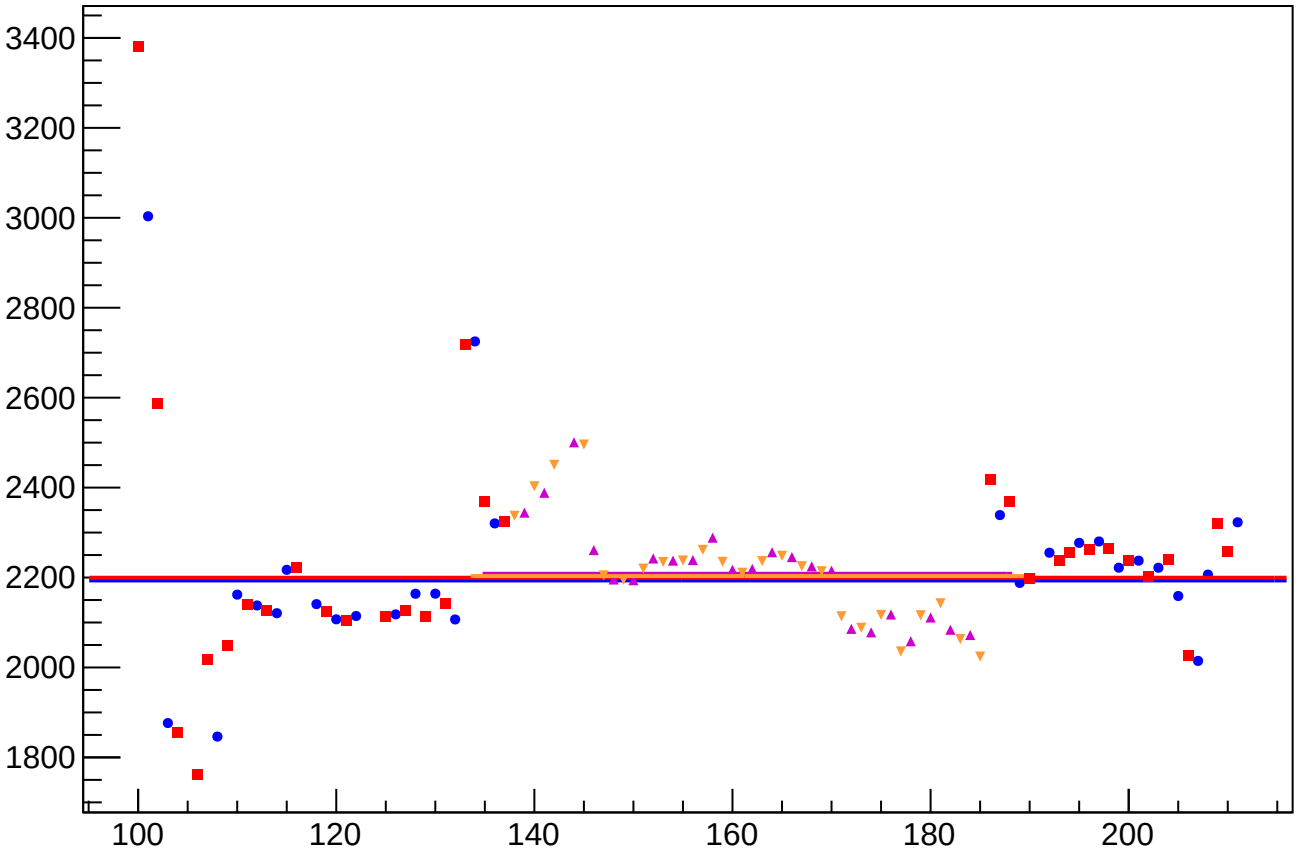
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4681.504+/-377.303 χ^2/NDF: 34.6/58

In: 5218.806+/-373.168 χ^2/NDF:24.6/50

Out: 3342.053+/-367.352 χ^2/NDF:56.3/54

All: 4265.692+/-261.789 χ^2/NDF: 93.7/105



Right In: 2193.560+/-0.382 χ^2/NDF: 225735.4/27

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.571+/-0.372 χ^2/NDF: 208307.0/30

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

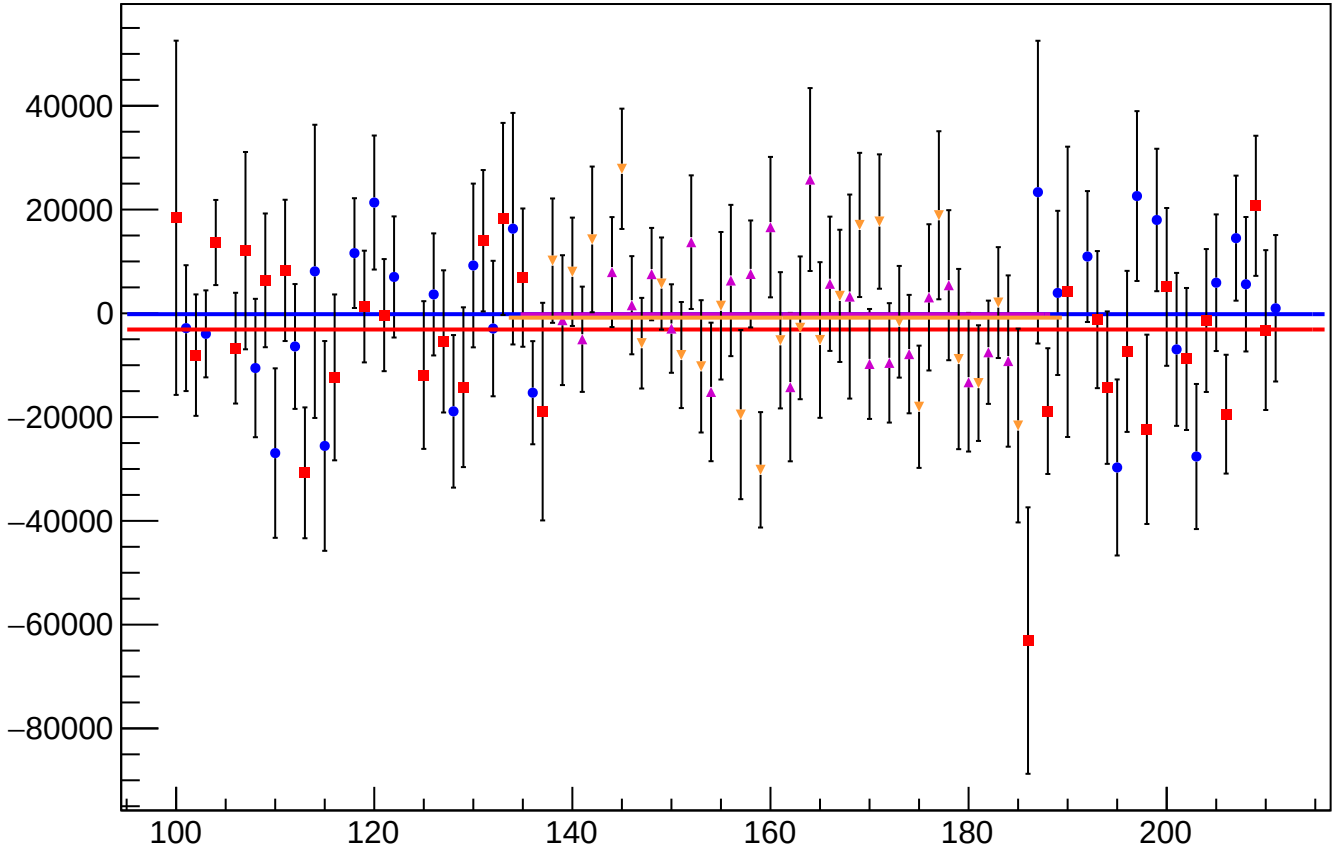
Right: 2196.644+/-0.267 χ^2/NDF: 434169.5/58

In: 2201.304+/-0.264 χ^2/NDF:307516.6/50

Out: 2201.485+/-0.259 χ^2/NDF:296566.8/54

All: 2201.396+/-0.185 χ^2/NDF: 604083.6/105

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -162.531+/-2544.512 χ^2/NDF: 29.0/27

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3116.989+/-2473.539 χ^2/NDF: 31.7/30

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

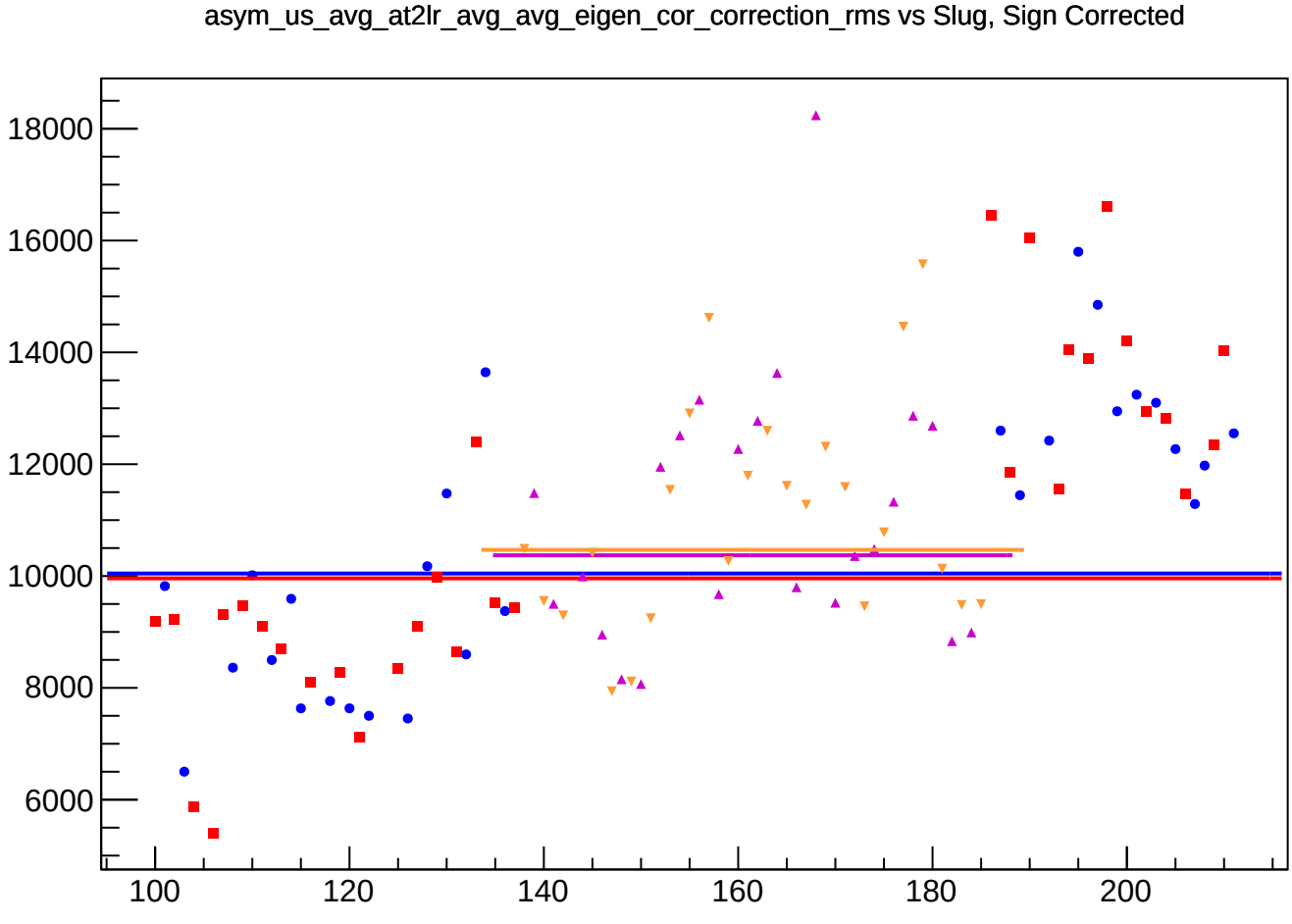
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

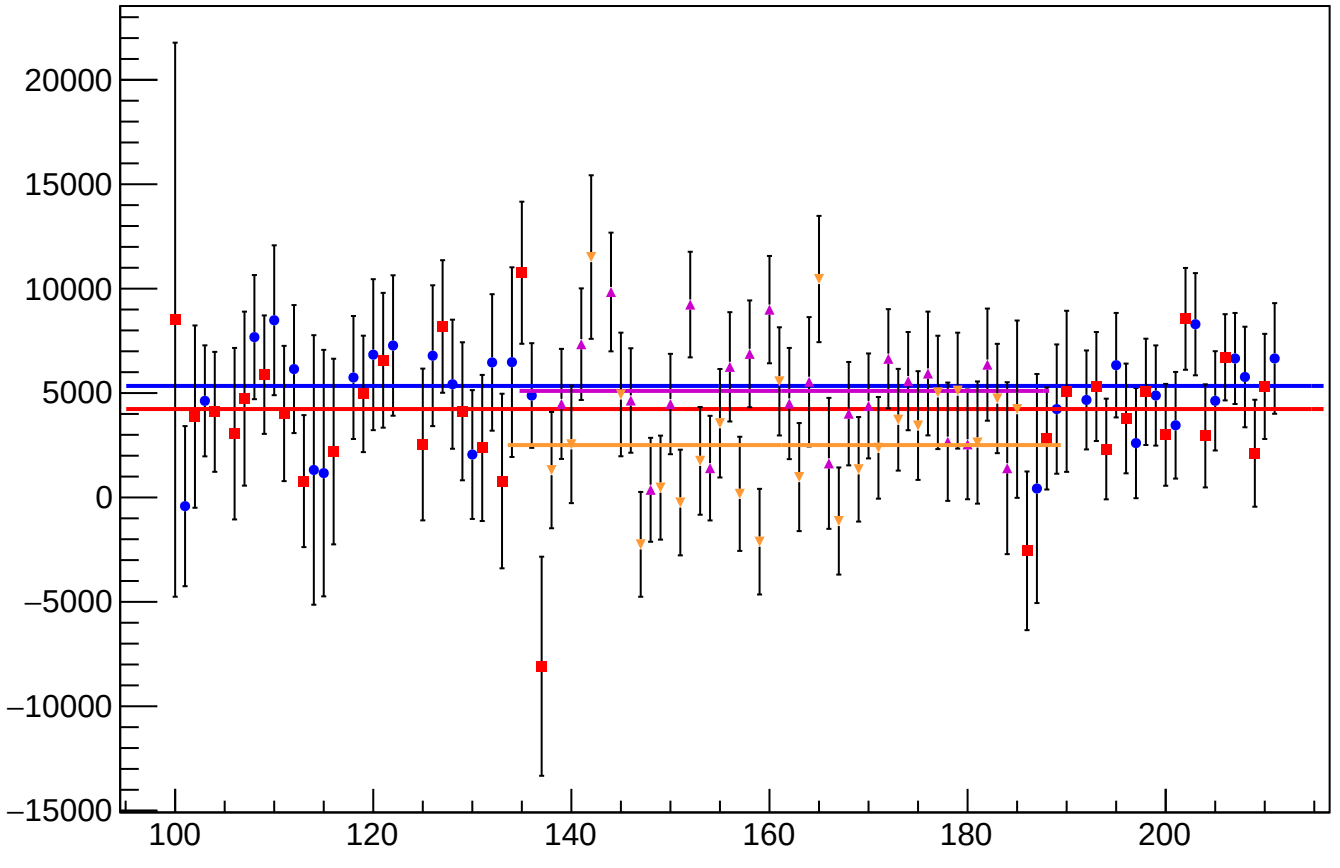
Right: -1681.538+/-1773.617 χ^2/NDF: 61.4/58

In: -172.735+/-1772.762 χ^2/NDF:42.8/50

Out: -1978.878+/-1751.853 χ^2/NDF:61.6/54

All: -1086.520+/-1246.074 χ^2/NDF: 104.9/10


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 10045.283+/-1.799 χ²/NDF: 1878502.6/27
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9958.338+/-1.749 χ²/NDF: 2629429.4/30
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 10000.581+/-1.254 χ²/NDF: 4509132.6/58
In: 10212.841+/-1.254 χ²/NDF:3099119.4/50
Out: 10212.690+/-1.239 χ²/NDF:3717119.2/54
All: 10212.765+/-0.881 χ²/NDF: 6816238.6/1



Right In: 5341.428+/-554.372 χ^2/NDF: 11.7/27

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4234.829+/-543.409 χ^2/NDF: 25.0/30

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

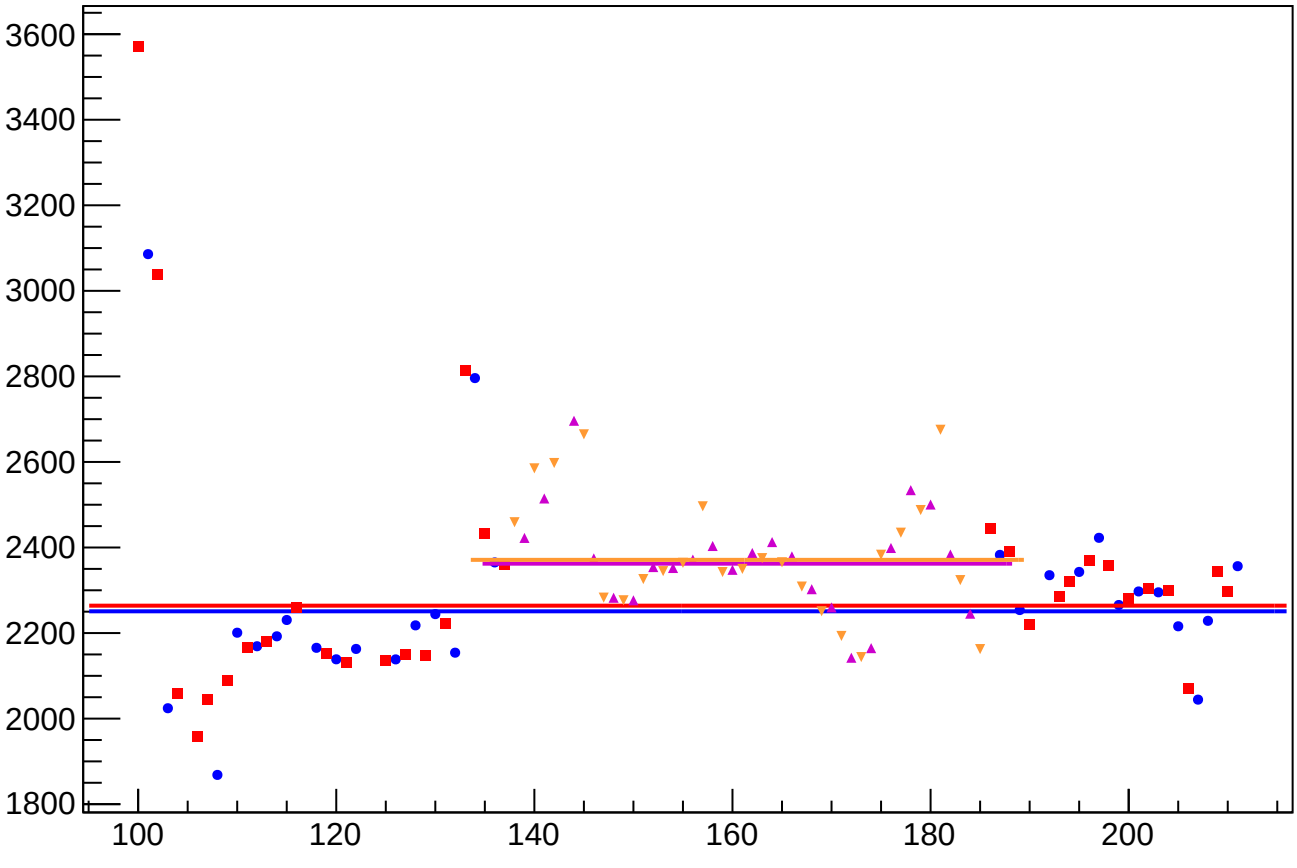
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4777.078+/-388.066 χ^2/NDF: 38.7/58

In: 5221.825+/-391.366 χ^2/NDF:31.7/50

Out: 3384.813+/-387.112 χ^2/NDF:59.7/54

All: 4293.280+/-275.221 χ^2/NDF: 102.6/105



Right In: 2250.846+/-0.392 χ^2/NDF: 224647.2/27

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2264.037+/-0.384 χ^2/NDF: 213464.7/30

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

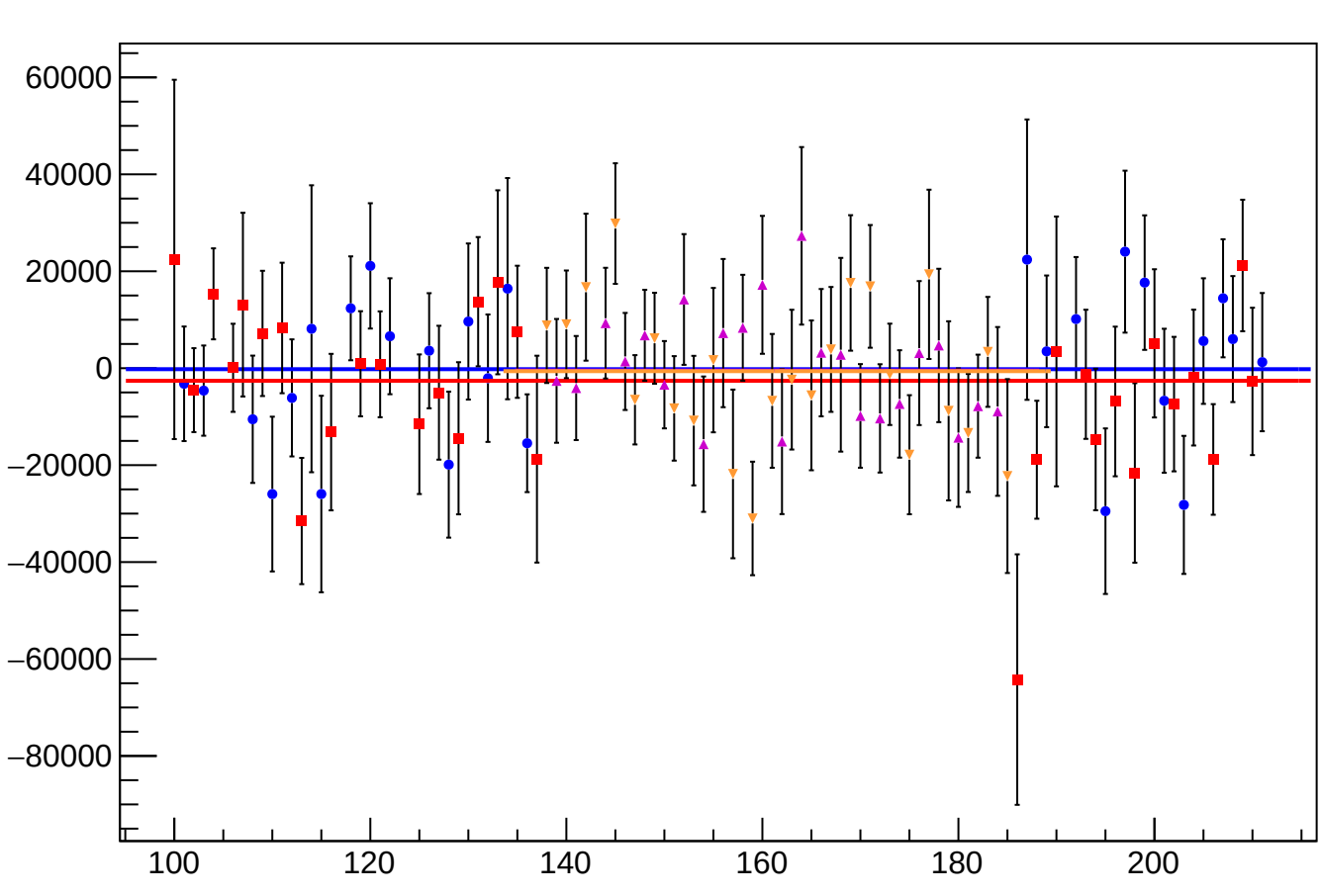
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

Right: 2257.575+/-0.274 χ^2/NDF: 438689.5/58

In: 2306.712+/-0.277 χ^2/NDF:357034.2/50

Out: 2316.772+/-0.274 χ^2/NDF:368033.8/54

All: 2311.797+/-0.195 χ^2/NDF: 725736.0/105



Right In: -202.693+/-2581.941 χ^2/NDF: 28.9/27

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2600.397+/-2443.197 χ^2/NDF: 31.3/30

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

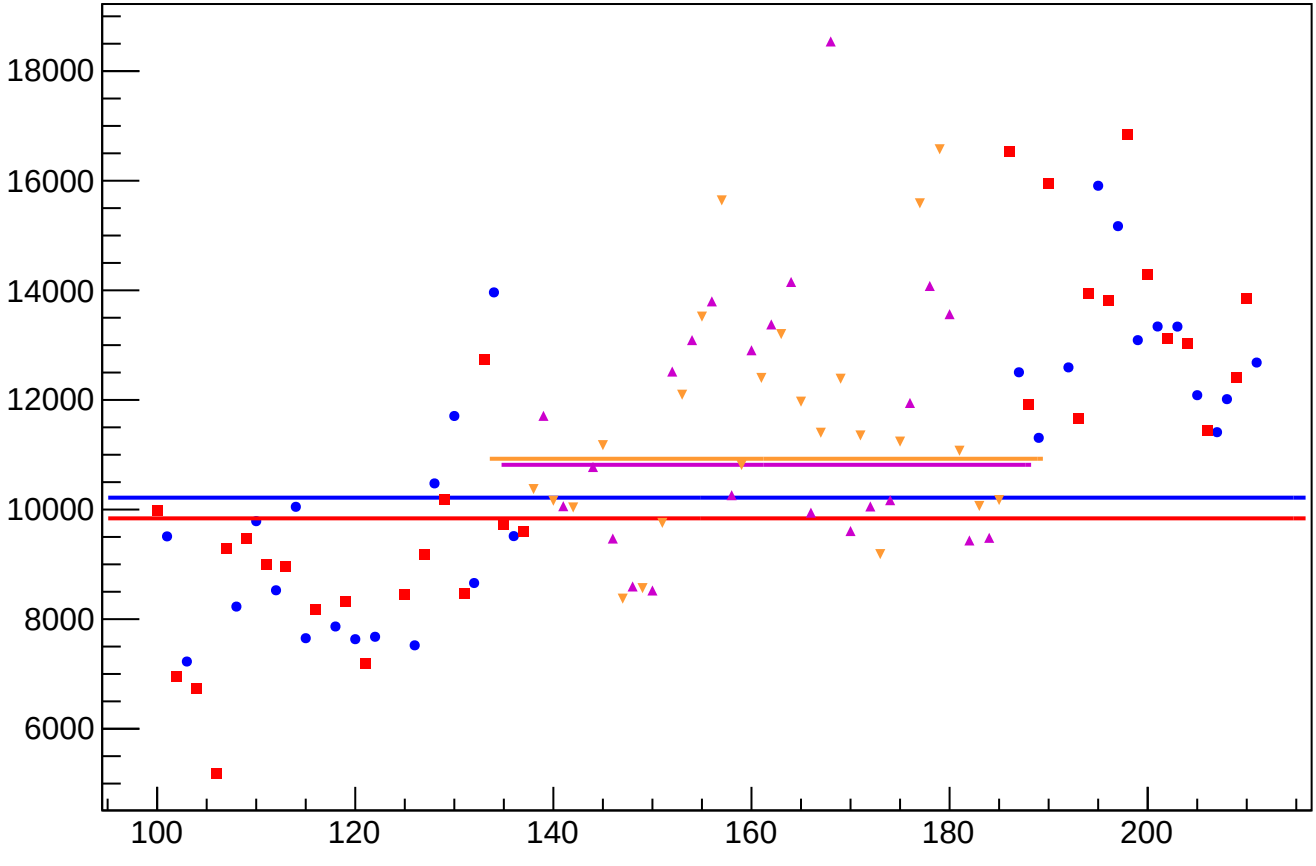
Right: -1467.695+/-1774.624 χ^2/NDF: 60.6/58

In: -346.632+/-1824.034 χ^2/NDF:42.4/50

Out: -1662.363+/-1777.208 χ^2/NDF:60.5/54

All: -1021.603+/-1272.909 χ^2/NDF: 103.2/10

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 10216.997+/-1.826 χ^2/NDF: 1728854.6/27

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9839.306+/-1.728 χ^2/NDF: 2793447.4/30

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

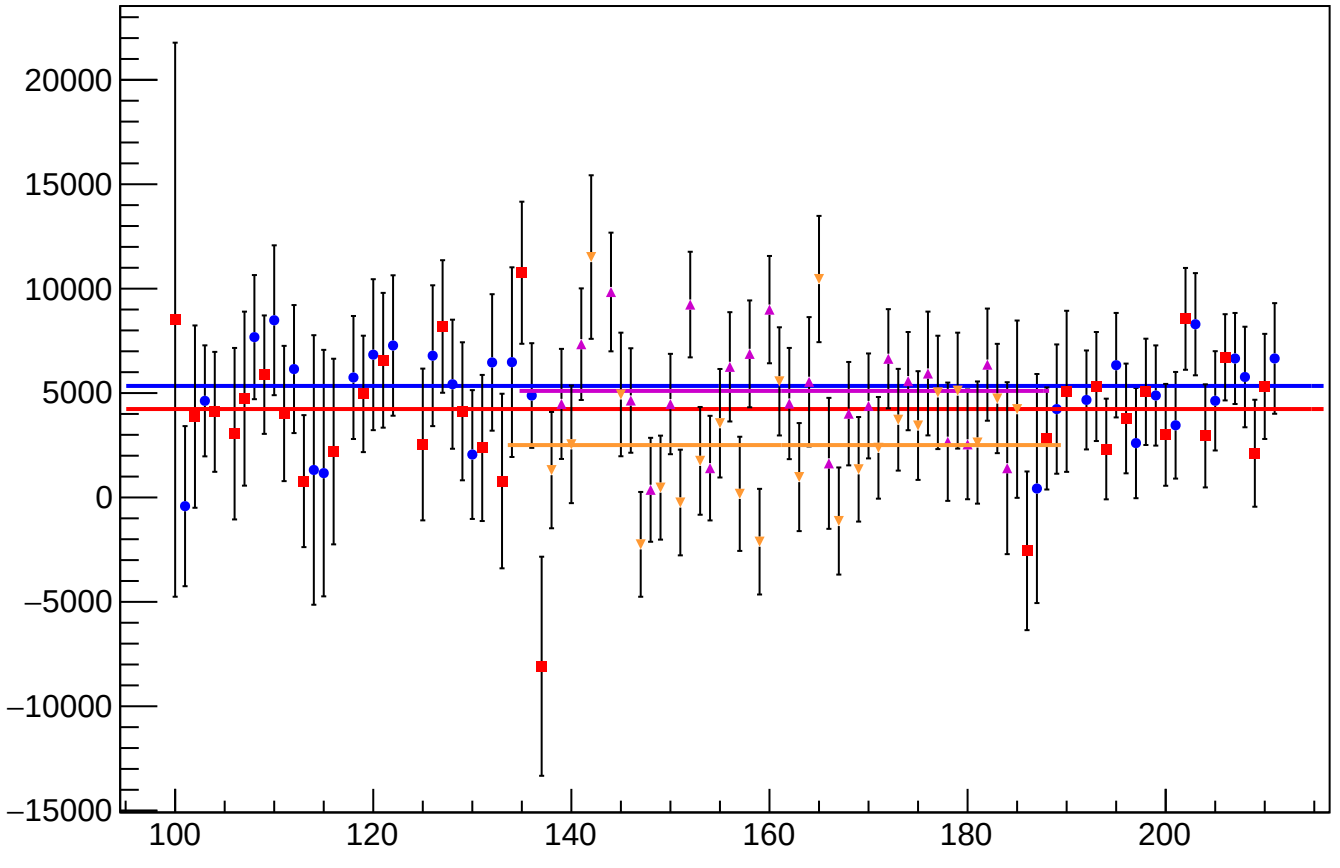
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 10017.732+/-1.255 χ^2/NDF: 4544881.0/58

In: 10517.208+/-1.290 χ^2/NDF:2979654.5/50

Out: 10351.407+/-1.257 χ^2/NDF:4037381.5/54

All: 10432.152+/-0.900 χ^2/NDF: 7025513.3/1



Right In: 5341.425+/-554.372 χ^2/NDF: 11.7/27

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4234.825+/-543.409 χ^2/NDF: 25.0/30

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

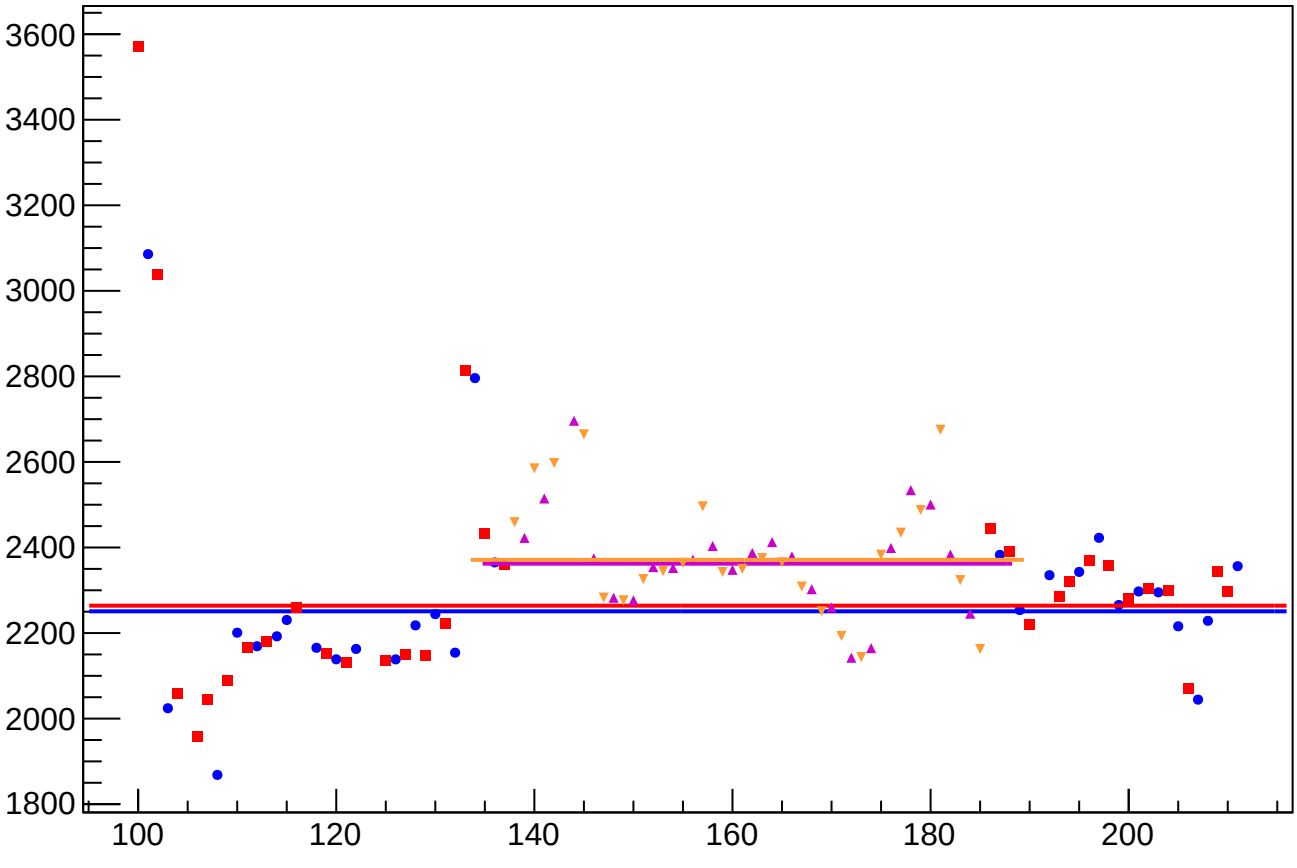
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4777.074+/-388.066 χ^2/NDF: 38.7/58

In: 5221.825+/-391.366 χ^2/NDF:31.7/50

Out: 3384.806+/-387.112 χ^2/NDF:59.7/54

All: 4293.277+/-275.221 χ^2/NDF: 102.6/105



Right In: 2250.846+/-0.392 χ^2/NDF: 224647.5/27

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2264.037+/-0.384 χ^2/NDF: 213465.2/30

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

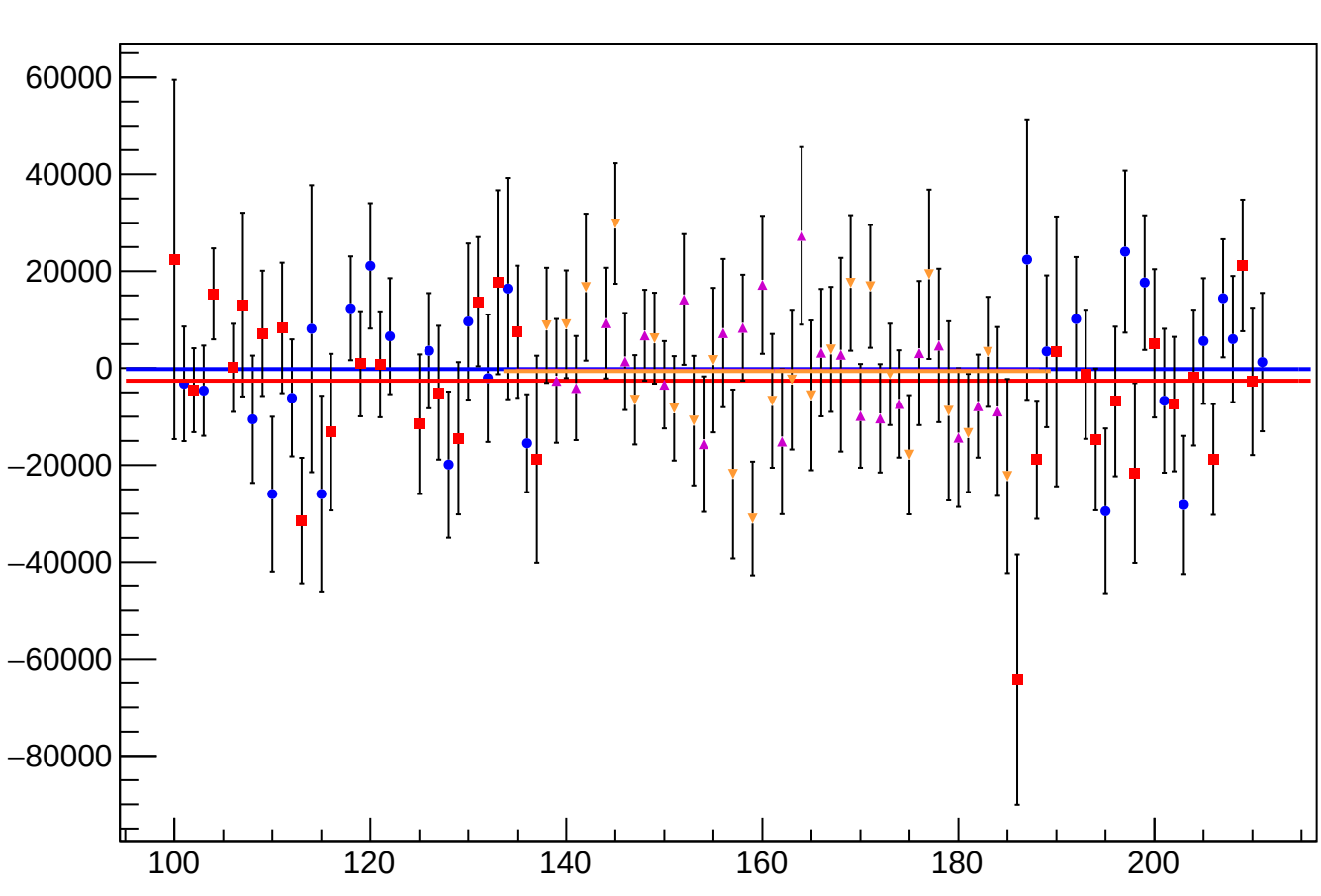
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2257.575+/-0.274 χ^2/NDF: 438690.3/58

In: 2306.714+/-0.277 χ^2/NDF:357041.6/50

Out: 2316.773+/-0.274 χ^2/NDF:368041.0/54

All: 2311.799+/-0.195 χ^2/NDF: 725750.6/105



Right In: -202.686+/-2581.940 χ^2/NDF: 28.9/27

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2600.384+/-2443.195 χ^2/NDF: 31.3/30

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

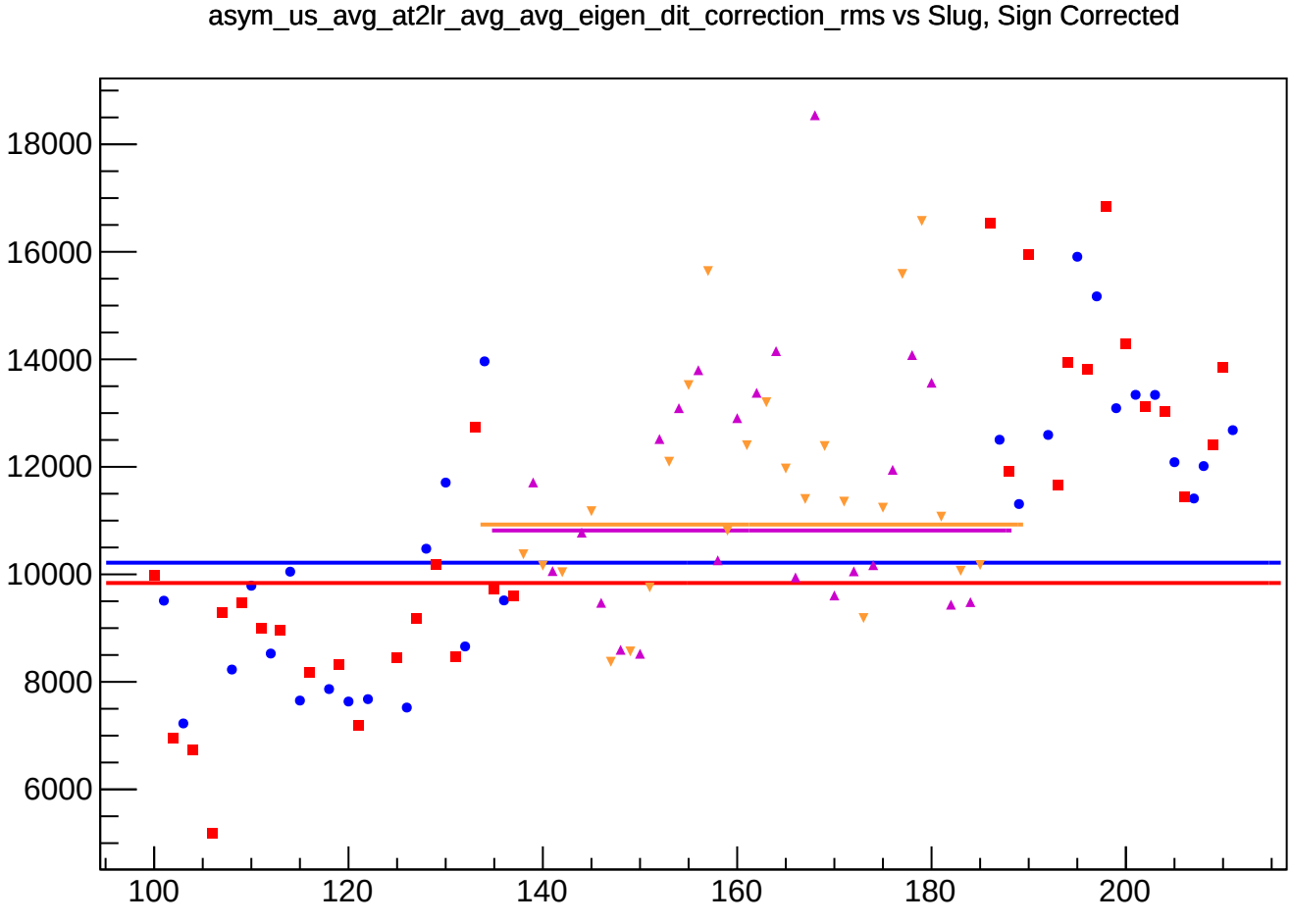
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

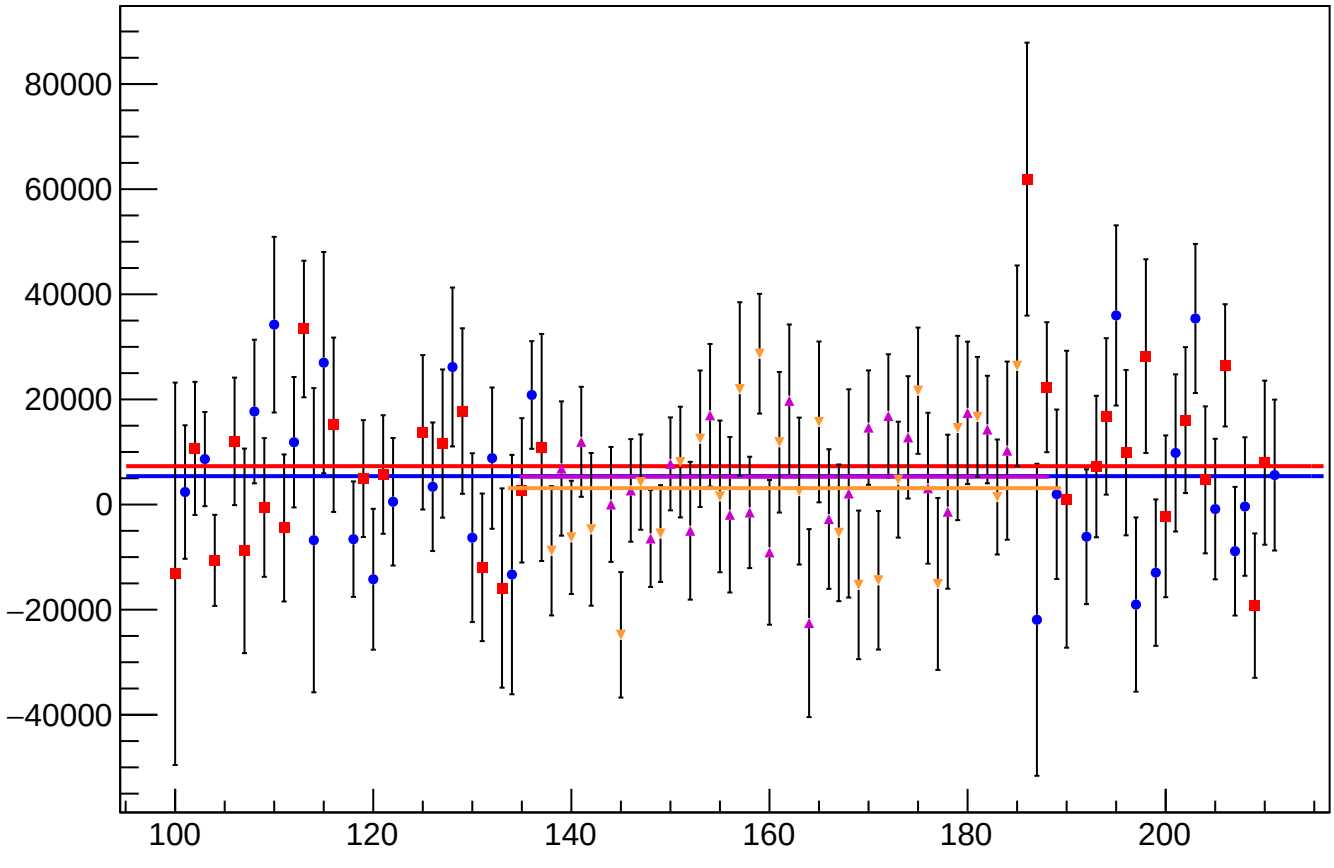
Right: -1467.686+/-1774.623 χ^2/NDF: 60.6/58

In: -346.630+/-1824.035 χ^2/NDF:42.4/50

Out: -1662.363+/-1777.209 χ^2/NDF:60.5/54

All: -1021.602+/-1272.909 χ^2/NDF: 103.2/10


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 10216.985+/-1.826 χ²/NDF: 1728883.4/27
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 9839.293+/-1.728 χ²/NDF: 2793472.7/30
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 10017.719+/-1.255 χ²/NDF: 4544935.3/58
In: 10517.210+/-1.290 χ²/NDF:2979691.9/50
Out: 10351.407+/-1.257 χ²/NDF:4037419.7/54
All: 10432.153+/-0.900 χ²/NDF: 7025589.1/1



Right In: 5400.923+/-2619.666 χ^2/NDF: 29.6/27

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7300.194+/-2558.922 χ^2/NDF: 30.1/30

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

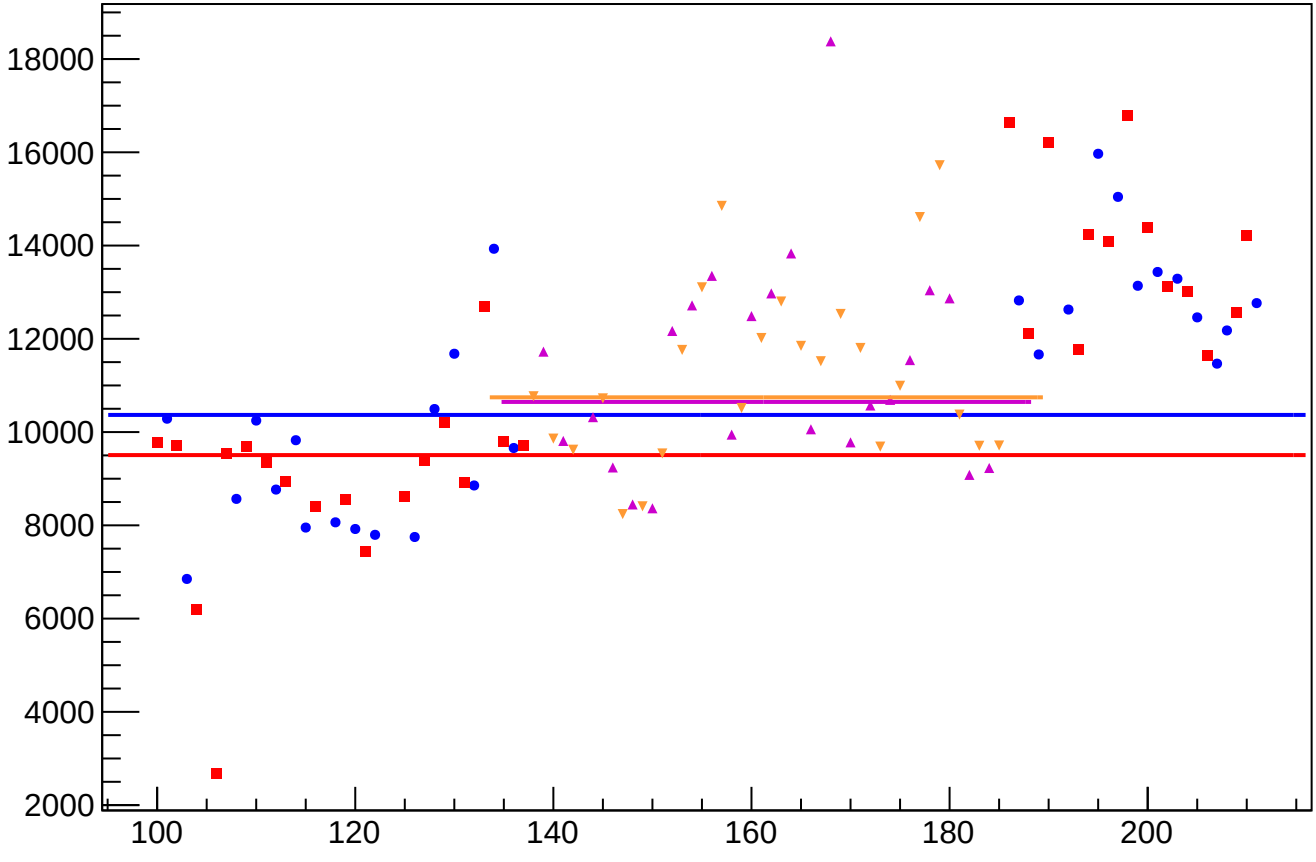
Right: 6372.834+/-1830.529 χ^2/NDF: 59.9/58

In: 5343.967+/-1820.968 χ^2/NDF:42.9/50

Out: 5196.511+/-1803.724 χ^2/NDF:58.9/54

All: 5269.538+/-1281.478 χ^2/NDF: 101.8/105

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 10367.845+/-1.852 χ^2/NDF: 1705166.2/27

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9506.523+/-1.725 χ^2/NDF: 4424510.4/30

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

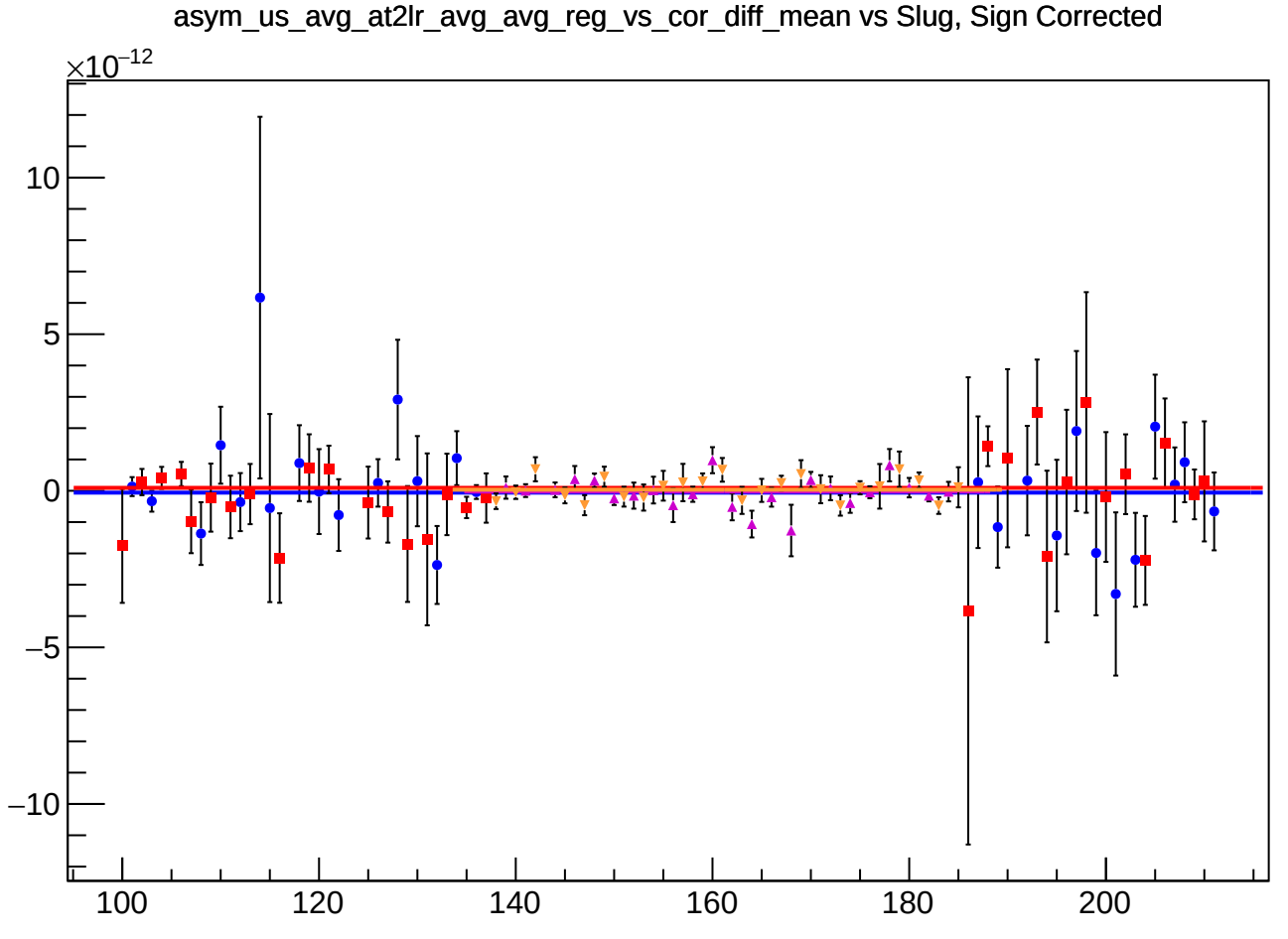
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 9906.607+/-1.262 χ^2/NDF: 6245457.1/58

In: 10511.845+/-1.288 χ^2/NDF:2830923.5/50

Out: 10100.318+/-1.245 χ^2/NDF:5636277.6/54

All: 10299.138+/-0.895 χ^2/NDF: 8519998.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/30

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

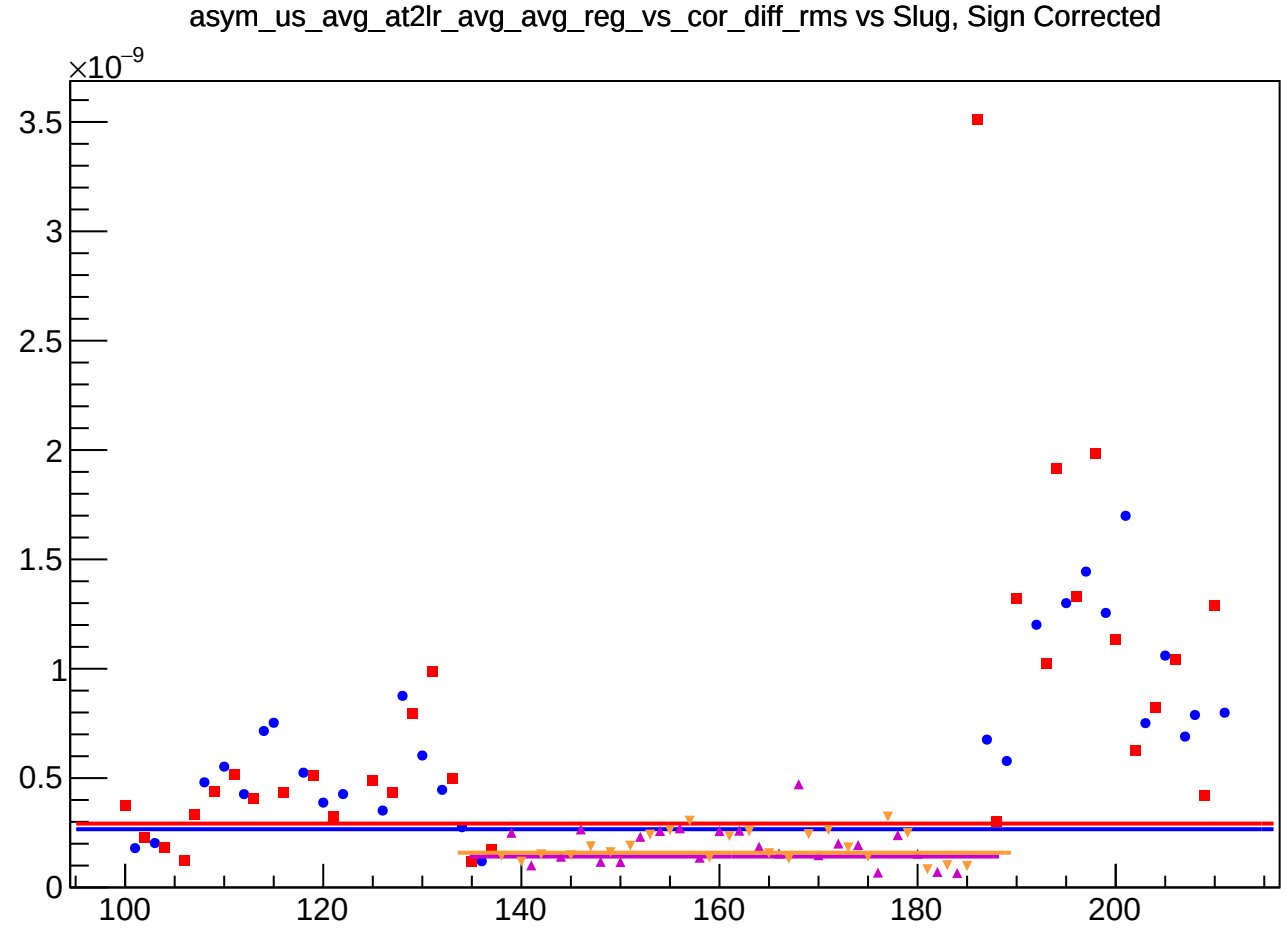
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 49.6/58

In: -0.000+/-0.000 χ^2/NDF:51.0/50

Out: 0.000+/-0.000 χ^2/NDF:52.4/54

All: 0.000+/-0.000 χ^2/NDF: 104.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 6243182.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6351454.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

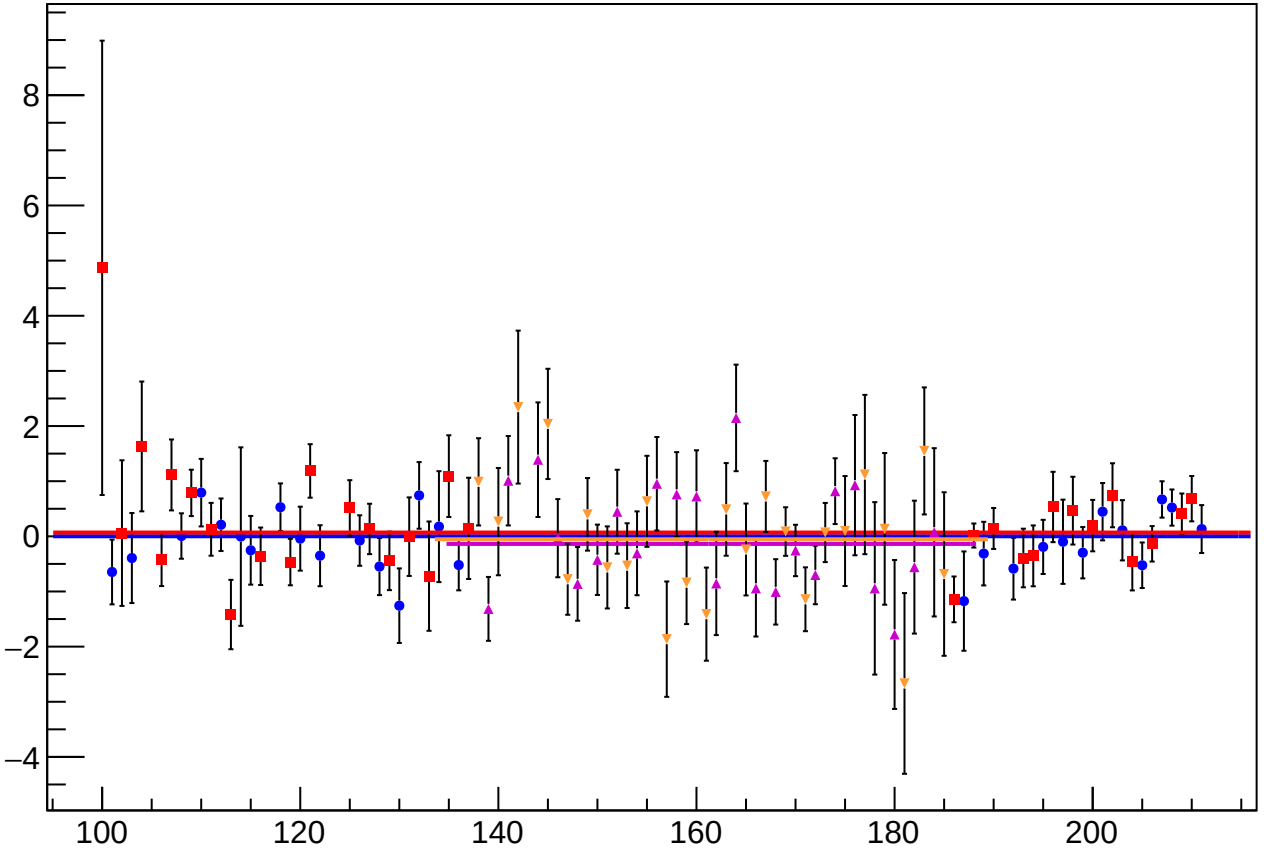
Right: 0.000+/-0.000 χ^2/NDF: 12628502.1/58

In: 0.000+/-0.000 χ^2/NDF:10055768.7/50

Out: 0.000+/-0.000 χ^2/NDF:9057488.8/54

All: 0.000+/-0.000 χ^2/NDF: 19226429.0/105

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

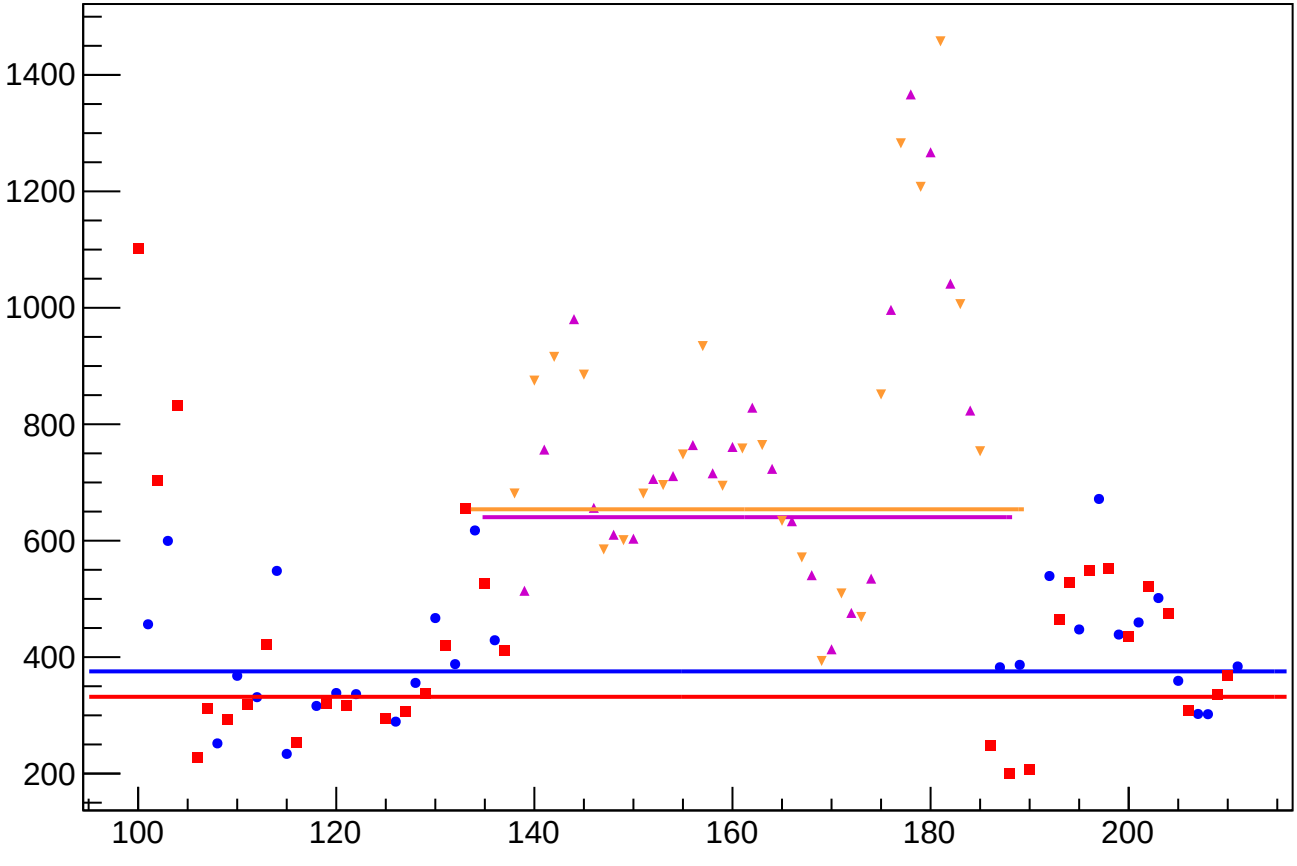
Right: 0.039+/-0.065 χ^2/NDF: 70.0/58

In: -0.037+/-0.083 χ^2/NDF:56.1/50

Out: 0.042+/-0.076 χ^2/NDF:74.7/54

All: 0.006+/-0.056 χ^2/NDF: 131.3/105

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.517+/-0.069 χ^2/NDF: 1736772.2/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.853+/-0.061 χ^2/NDF: 3606907.4/30

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

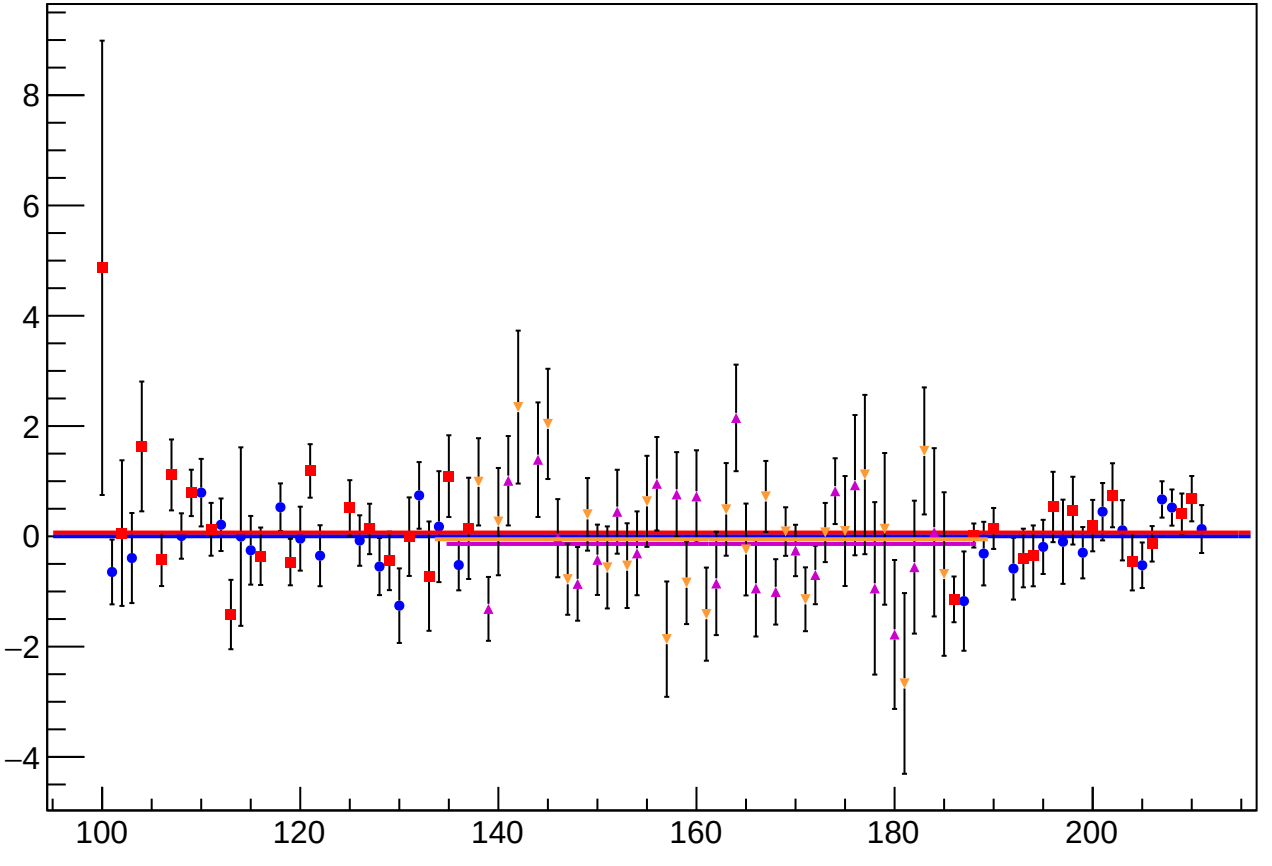
Right: 351.204+/-0.046 χ^2/NDF: 5568090.0/58

In: 448.406+/-0.059 χ^2/NDF:8465753.7/50

Out: 404.130+/-0.054 χ^2/NDF:12913949.0/54

All: 424.494+/-0.040 χ^2/NDF: 21688452.2/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

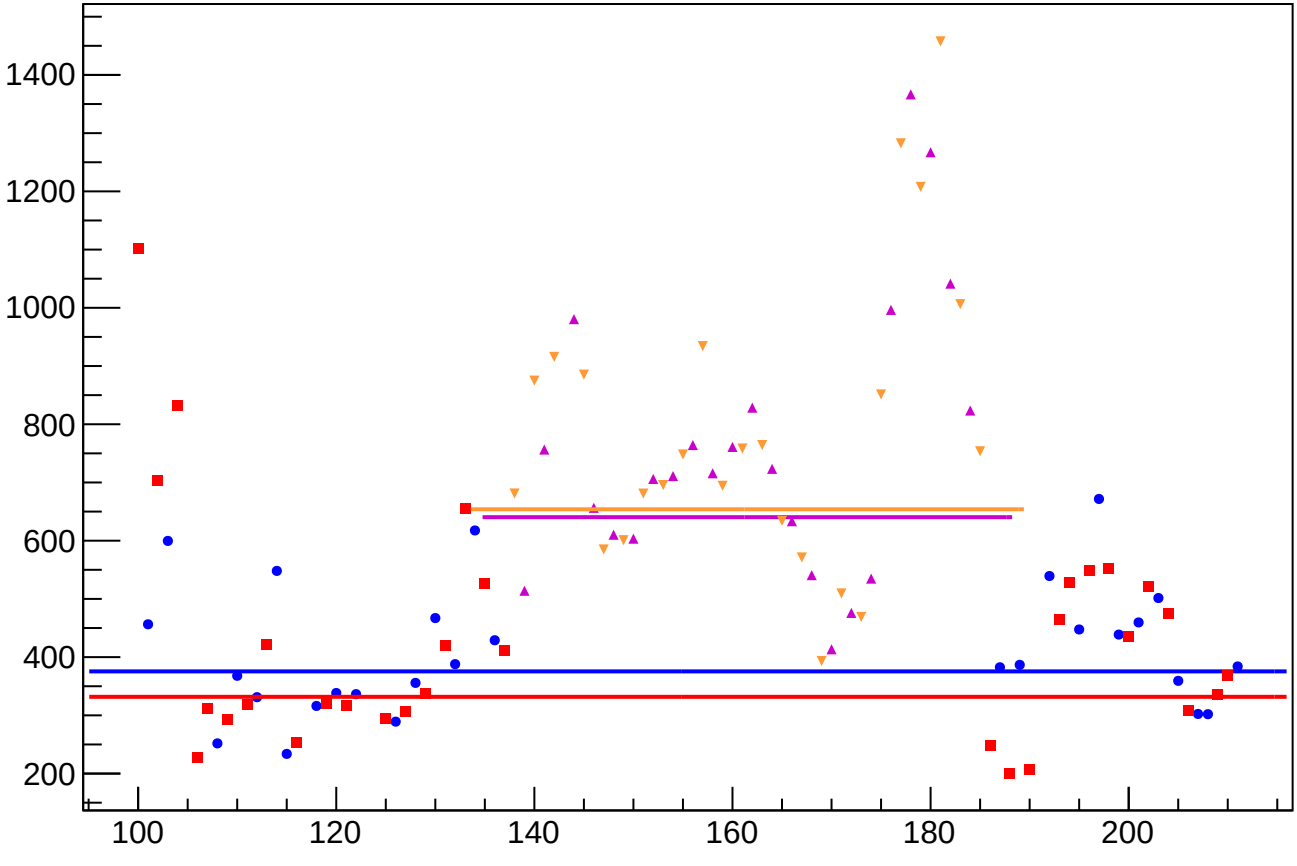
Right: 0.039+/-0.065 χ^2/NDF: 70.0/58

In: -0.037+/-0.083 χ^2/NDF:56.1/50

Out: 0.042+/-0.076 χ^2/NDF:74.7/54

All: 0.006+/-0.056 χ^2/NDF: 131.3/105

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.517+/-0.069 χ^2/NDF: 1736772.2/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.853+/-0.061 χ^2/NDF: 3606907.4/30

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

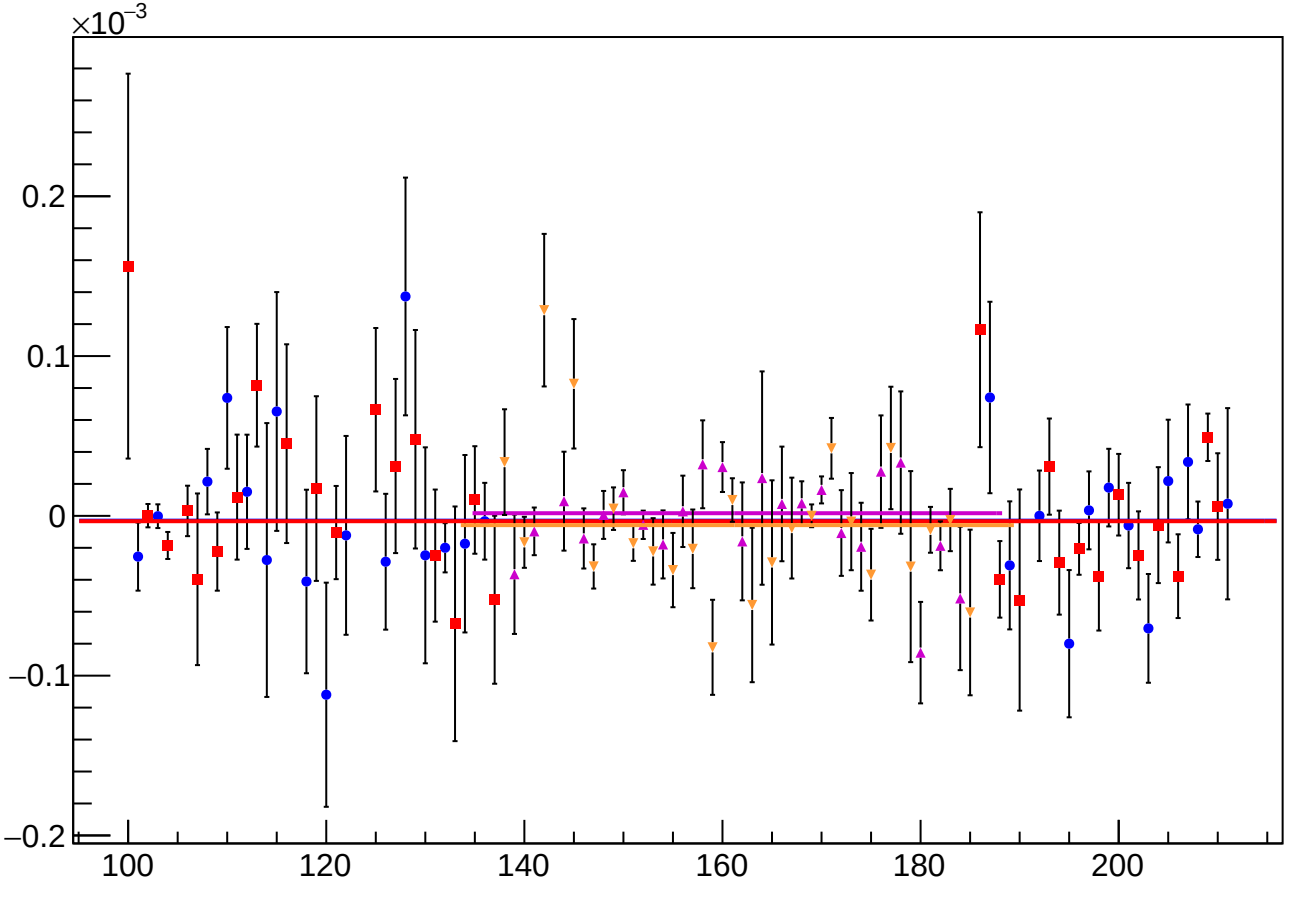
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 351.204+/-0.046 χ^2/NDF: 5568090.0/58

In: 448.406+/-0.059 χ^2/NDF:8465753.7/50

Out: 404.130+/-0.054 χ^2/NDF:12913949.0/54

All: 424.494+/-0.040 χ^2/NDF: 21688452.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/30

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

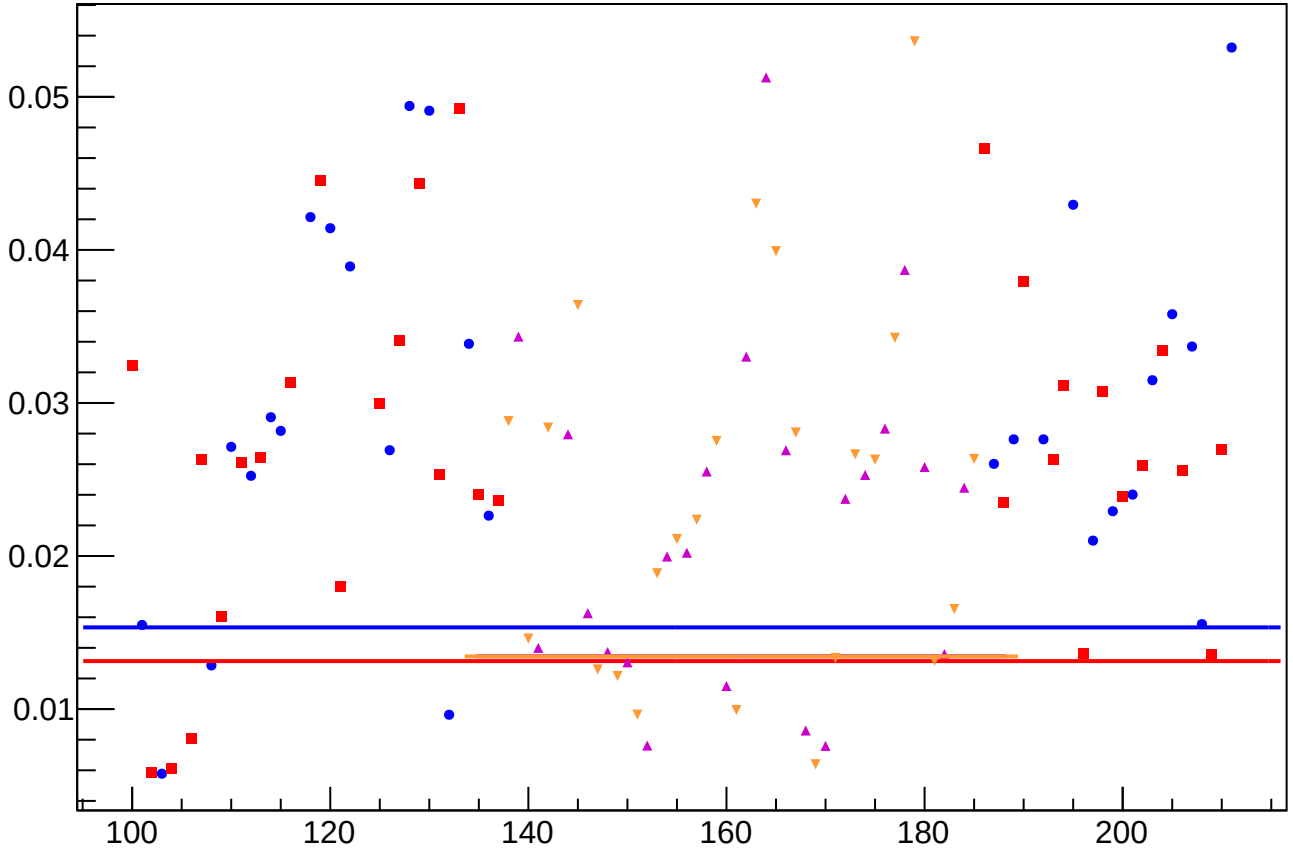
Right: -0.000+/-0.000 χ^2/NDF: 68.4/58

In: -0.000+/-0.000 χ^2/NDF:52.5/50

Out: -0.000+/-0.000 χ^2/NDF:84.9/54

All: -0.000+/-0.000 χ^2/NDF: 138.7/105

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: 10697985.0/27

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 11708419.3/30

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

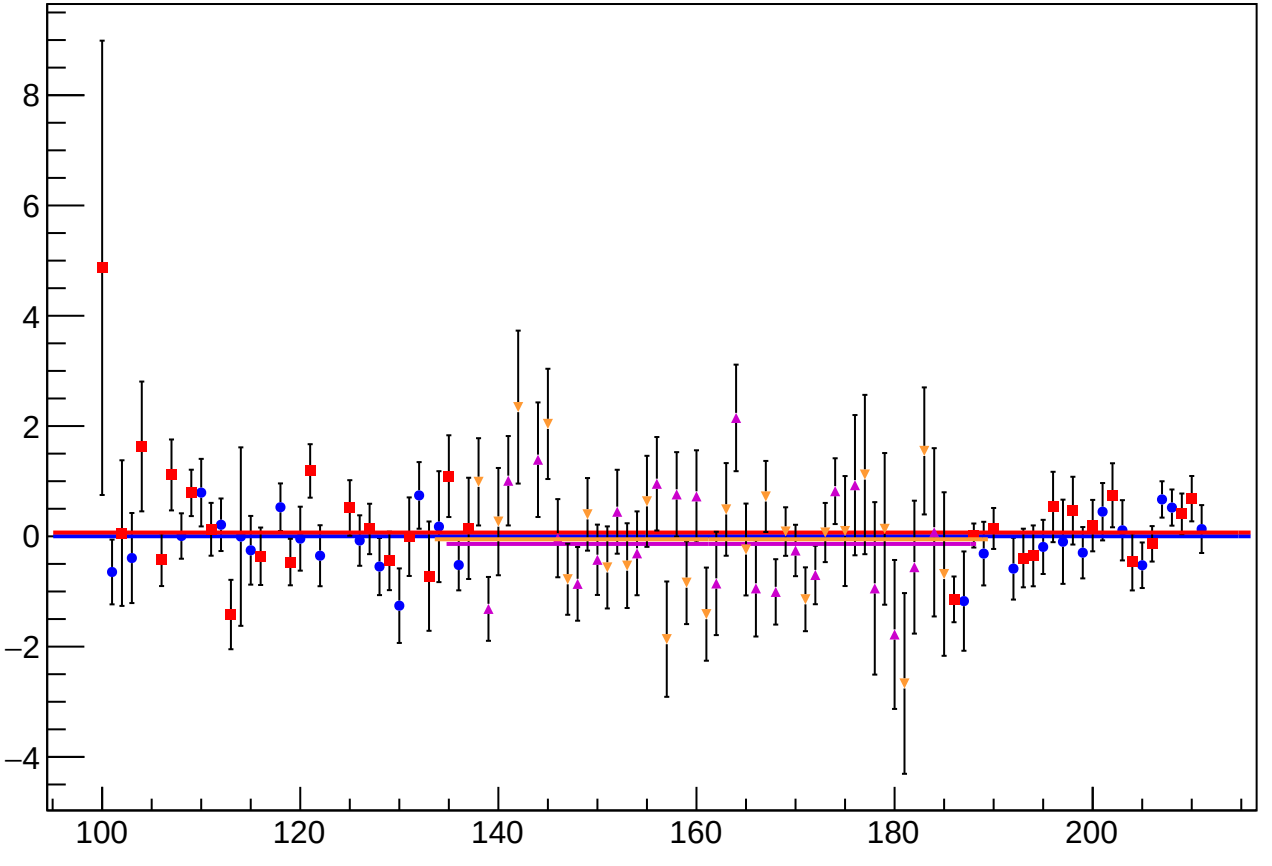
Right: 0.014+/-0.000 χ^2/NDF: 22665221.2/58

In: 0.014+/-0.000 χ^2/NDF:18443992.3/50

Out: 0.013+/-0.000 χ^2/NDF:20571032.6/54

All: 0.014+/-0.000 χ^2/NDF: 39114822.4/105

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

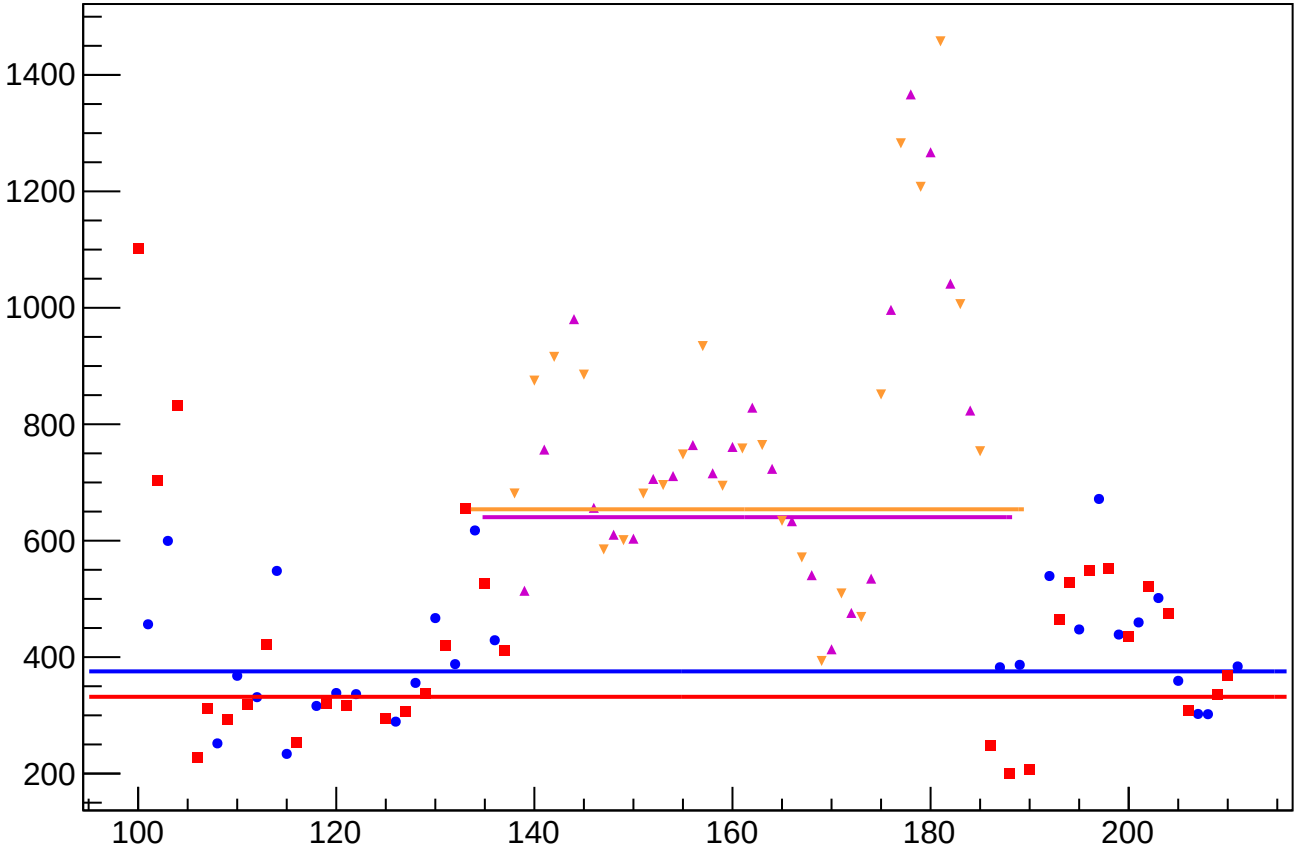
Right: 0.039+/-0.065 χ^2/NDF: 70.0/58

In: -0.037+/-0.083 χ^2/NDF:56.1/50

Out: 0.042+/-0.076 χ^2/NDF:74.7/54

All: 0.006+/-0.056 χ^2/NDF: 131.3/105

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.518+/-0.069 χ^2/NDF: 1736751.1/27

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.848+/-0.061 χ^2/NDF: 3607118.8/30

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

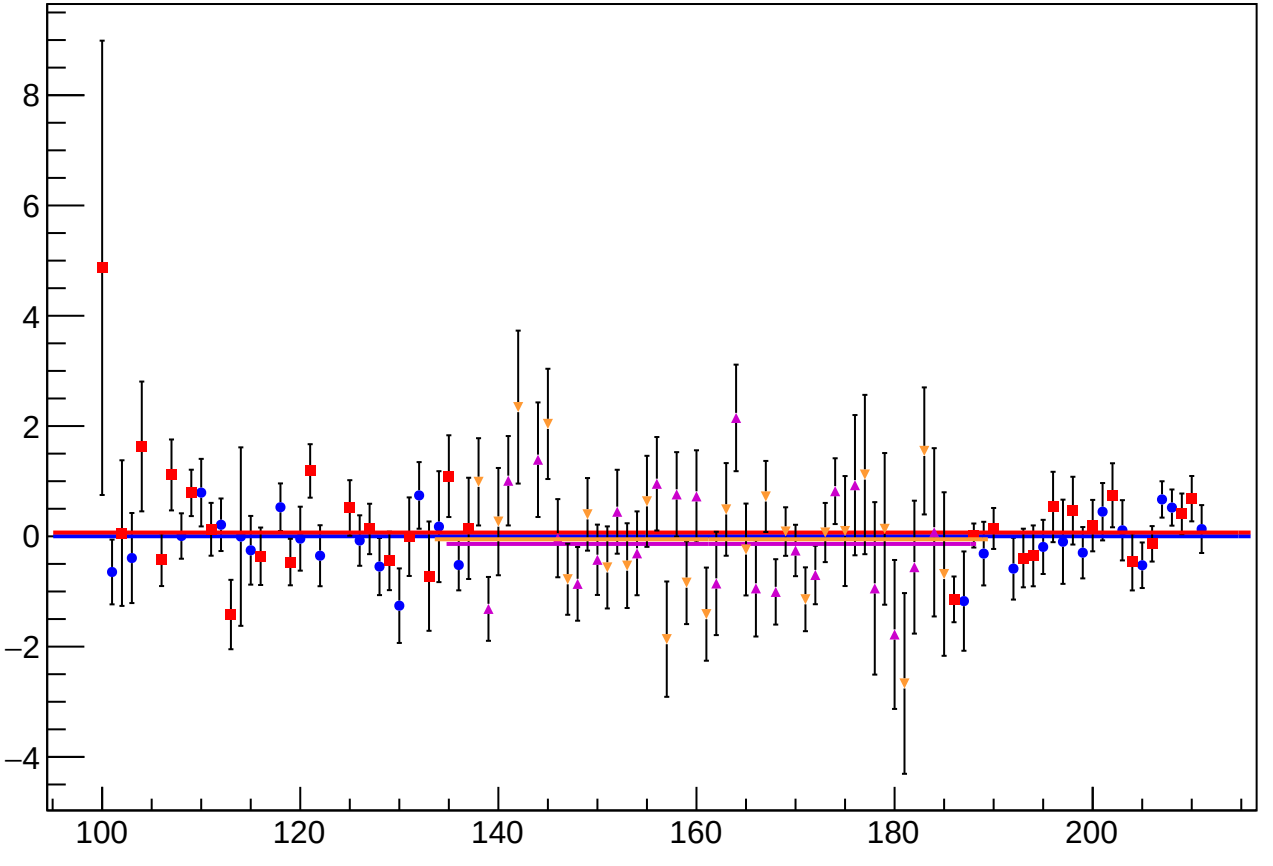
Right: 351.201+/-0.046 χ^2/NDF: 5568347.5/58

In: 448.407+/-0.059 χ^2/NDF:8465895.9/50

Out: 404.124+/-0.054 χ^2/NDF:12914597.8/54

All: 424.491+/-0.040 χ^2/NDF: 21689339.8/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.097 χ^2/NDF: 25.6/27

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.069+/-0.087 χ^2/NDF: 44.1/30

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

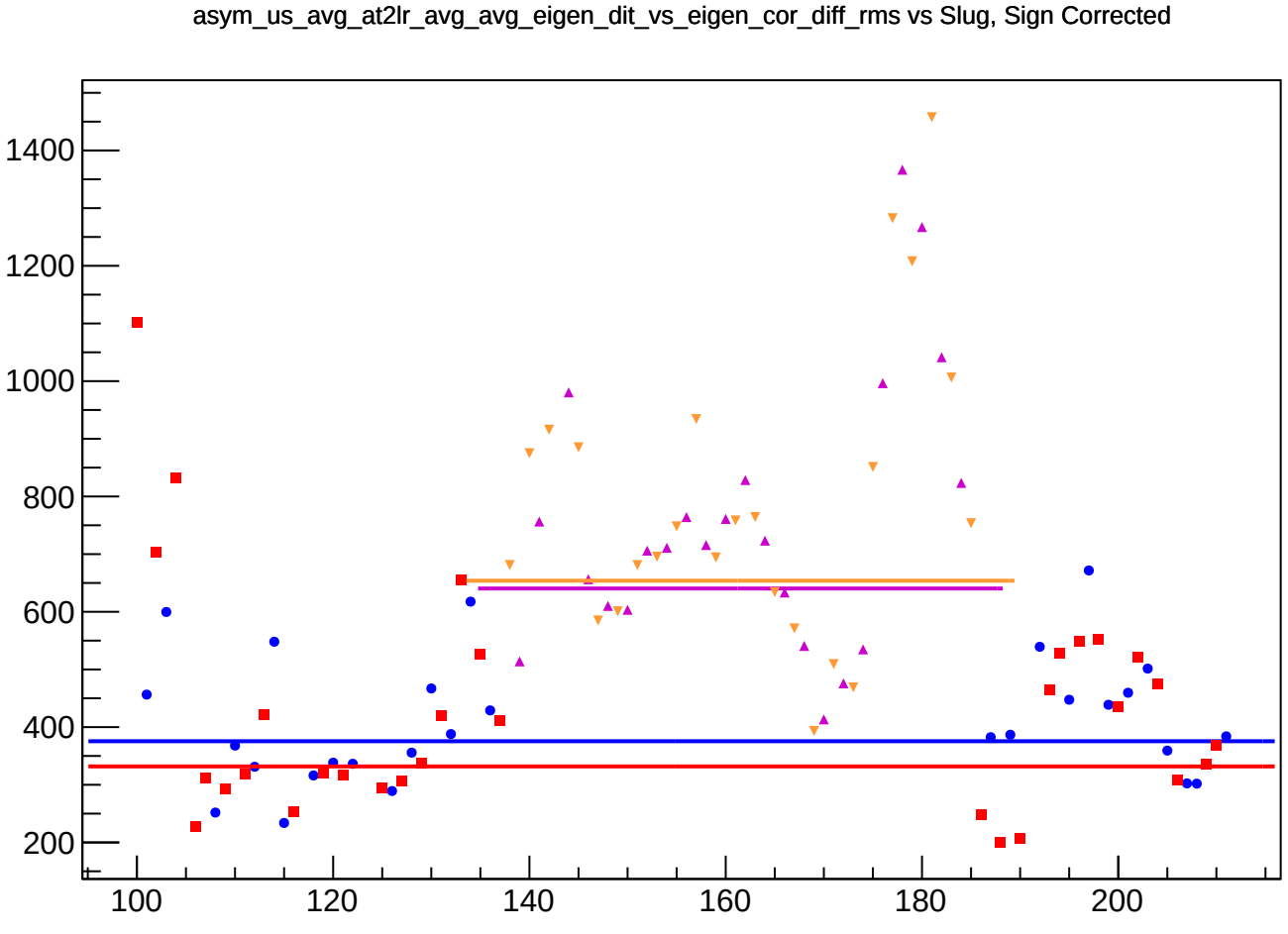
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.039+/-0.065 χ^2/NDF: 70.0/58

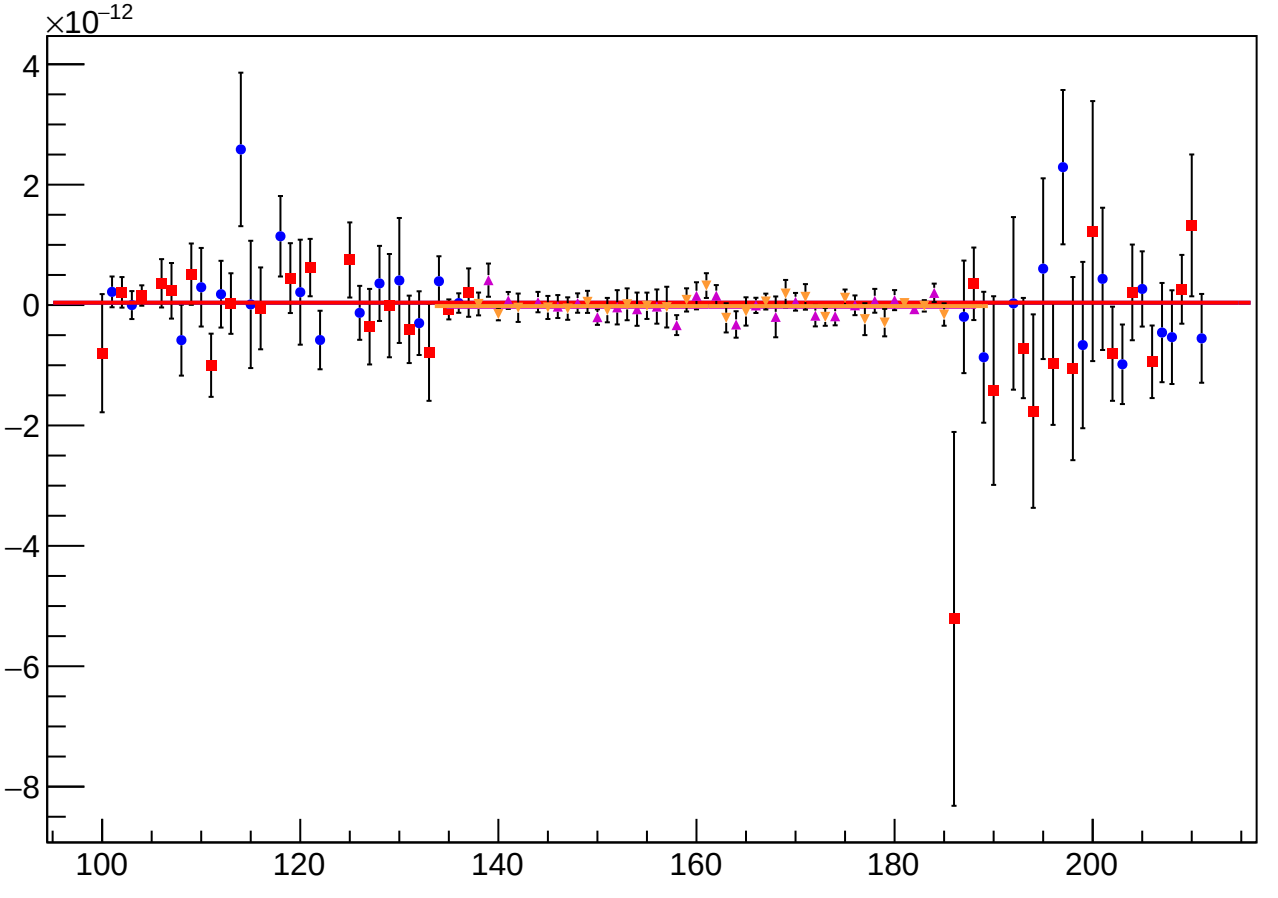
In: -0.037+/-0.083 χ^2/NDF:56.1/50

Out: 0.042+/-0.076 χ^2/NDF:74.7/54

All: 0.006+/-0.056 χ^2/NDF: 131.3/105


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 375.518+/-0.069 χ²/NDF: 1736751.1/27
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 331.848+/-0.061 χ²/NDF: 3607118.8/30
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 351.201+/-0.046 χ²/NDF: 5568347.5/58
In: 448.407+/-0.059 χ²/NDF:8465895.9/50
Out: 404.124+/-0.054 χ²/NDF:12914597.8/54
All: 424.491+/-0.040 χ²/NDF: 21689339.8/10

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/30

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

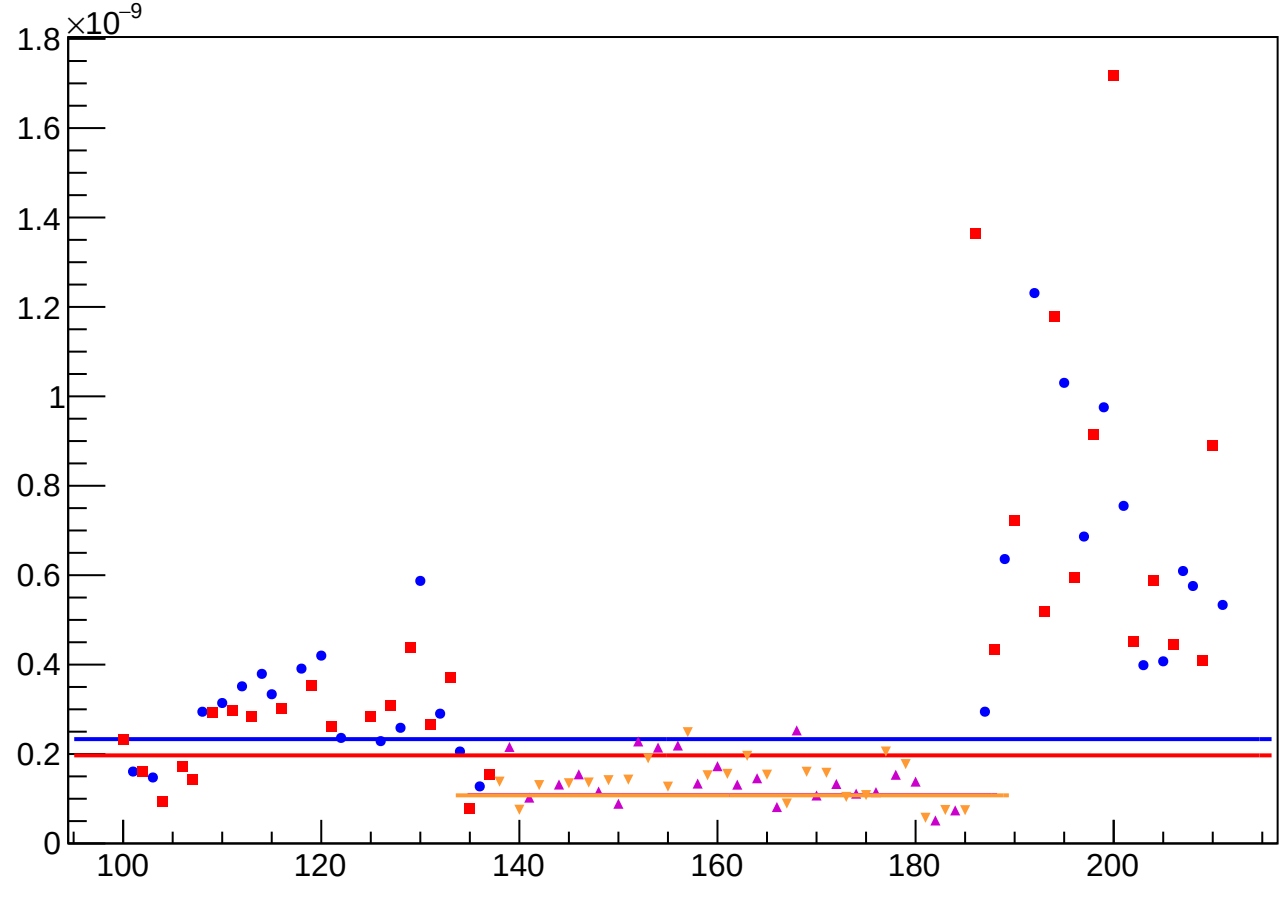
Right: 0.000+/-0.000 χ^2/NDF: 46.7/58

In: -0.000+/-0.000 χ^2/NDF:38.7/50

Out: -0.000+/-0.000 χ^2/NDF:39.9/54

All: -0.000+/-0.000 χ^2/NDF: 78.7/105

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: 6392417.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8278514.1/30

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

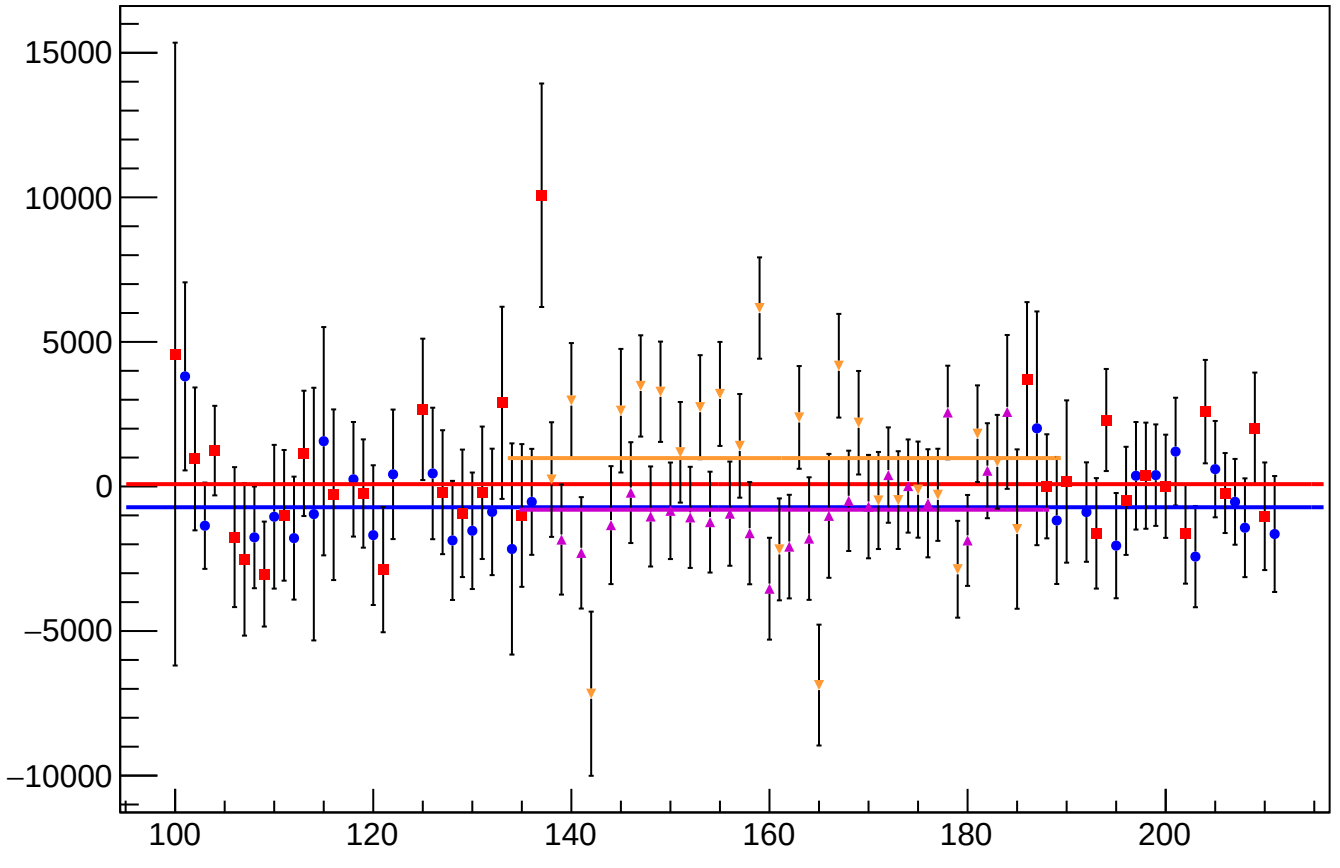
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 14850599.3/58

In: 0.000+/-0.000 χ^2/NDF:13623247.1/50

Out: 0.000+/-0.000 χ^2/NDF:13829615.8/54

All: 0.000+/-0.000 χ^2/NDF: 27461037.9/105



Right In: -718.437+/-383.777 χ^2/NDF: 9.5/27

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 80.426+/-374.644 χ^2/NDF: 25.3/30

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

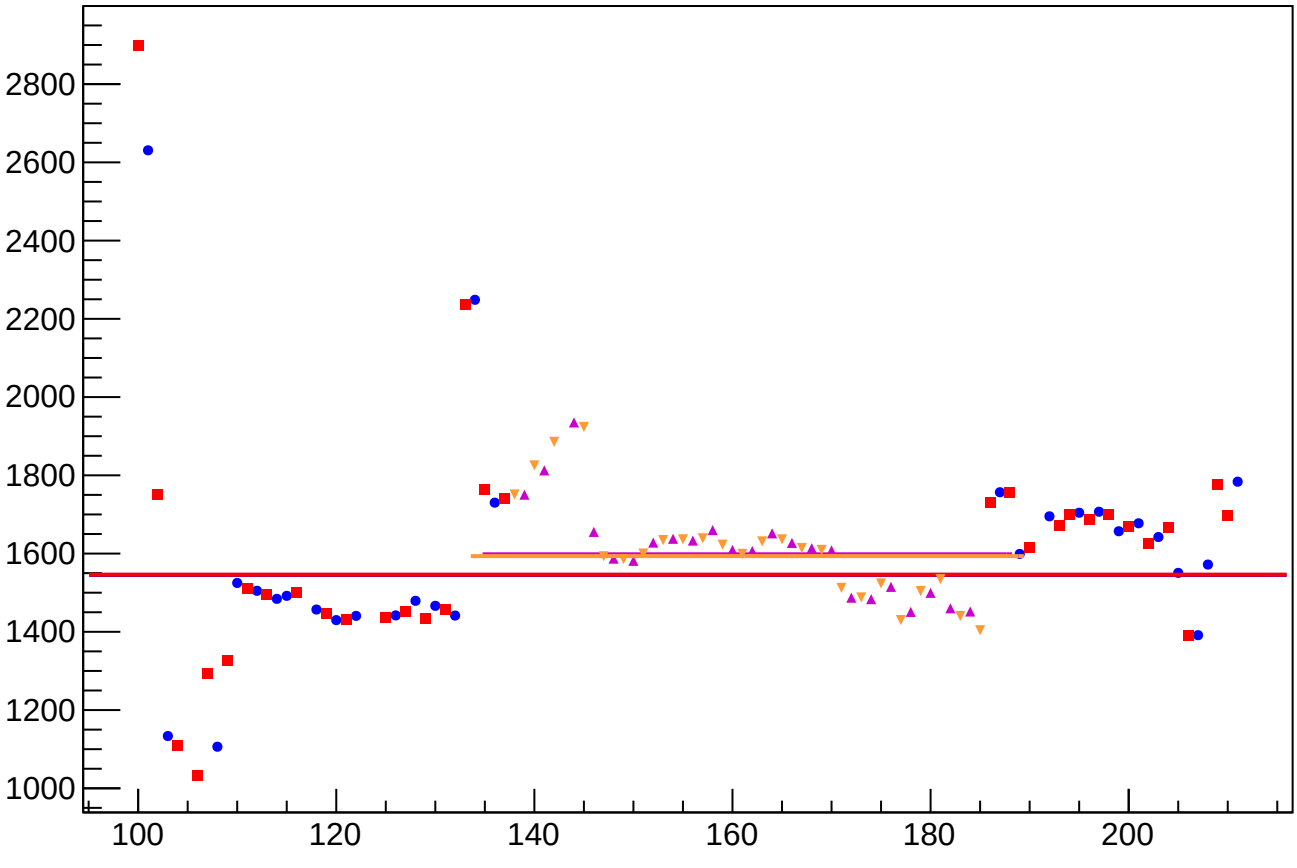
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -309.387+/-268.084 χ^2/NDF: 37.0/58

In: -762.268+/-267.872 χ^2/NDF:21.9/50

Out: 535.621+/-263.559 χ^2/NDF:83.8/54

All: -102.791+/-187.871 χ^2/NDF: 117.7/105



Right In: 1545.440+/-0.271 χ^2/NDF: 749116.9/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1546.038+/-0.264 χ^2/NDF: 681184.3/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

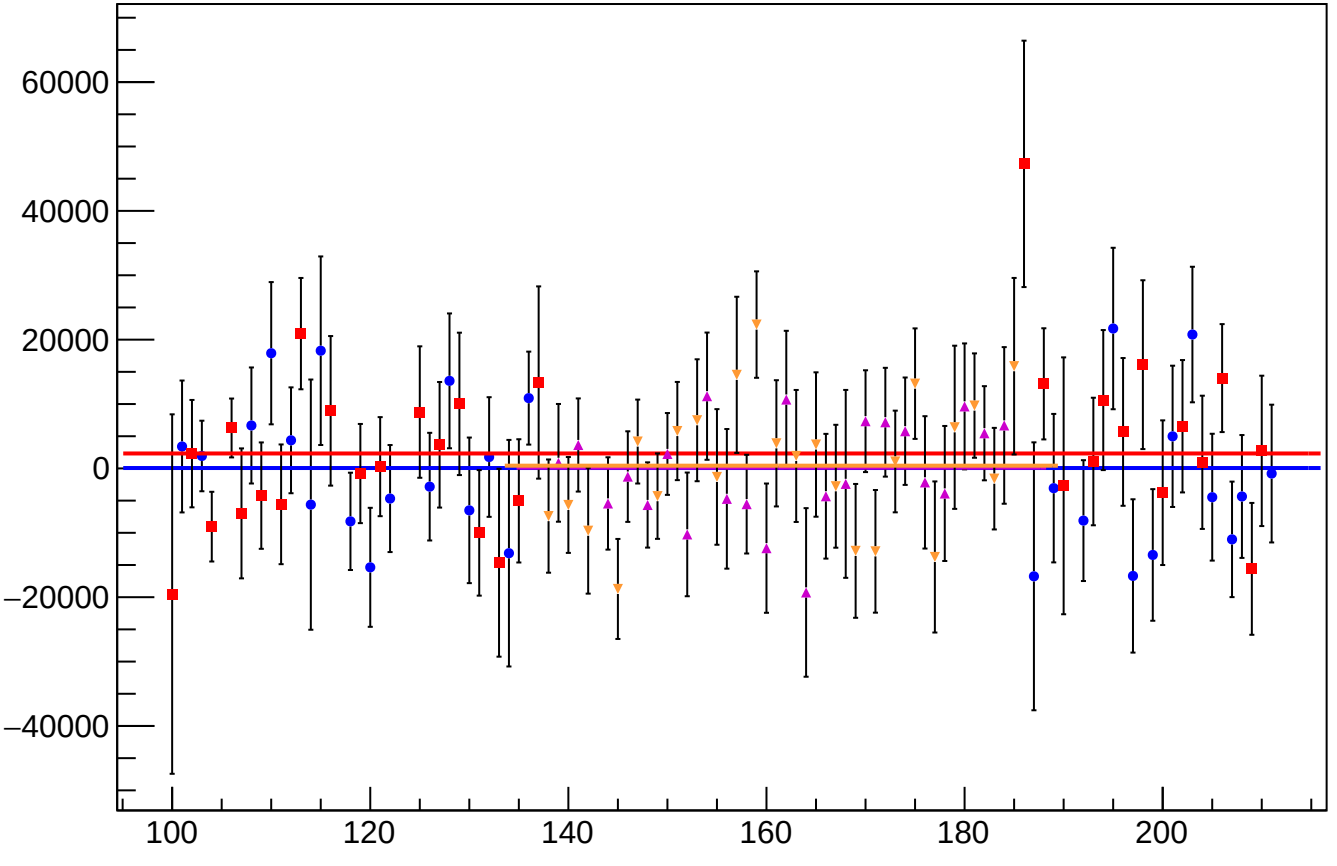
Right: 1545.748+/-0.189 χ^2/NDF: 1430303.7/58

In: 1572.454+/-0.189 χ^2/NDF:937598.5/50

Out: 1569.920+/-0.186 χ^2/NDF:885055.3/54

All: 1571.164+/-0.133 χ^2/NDF: 1822744.9/10

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 61.715+/-1830.748 χ^2/NDF: 28.8/27

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2322.461+/-1676.741 χ^2/NDF: 32.6/30

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

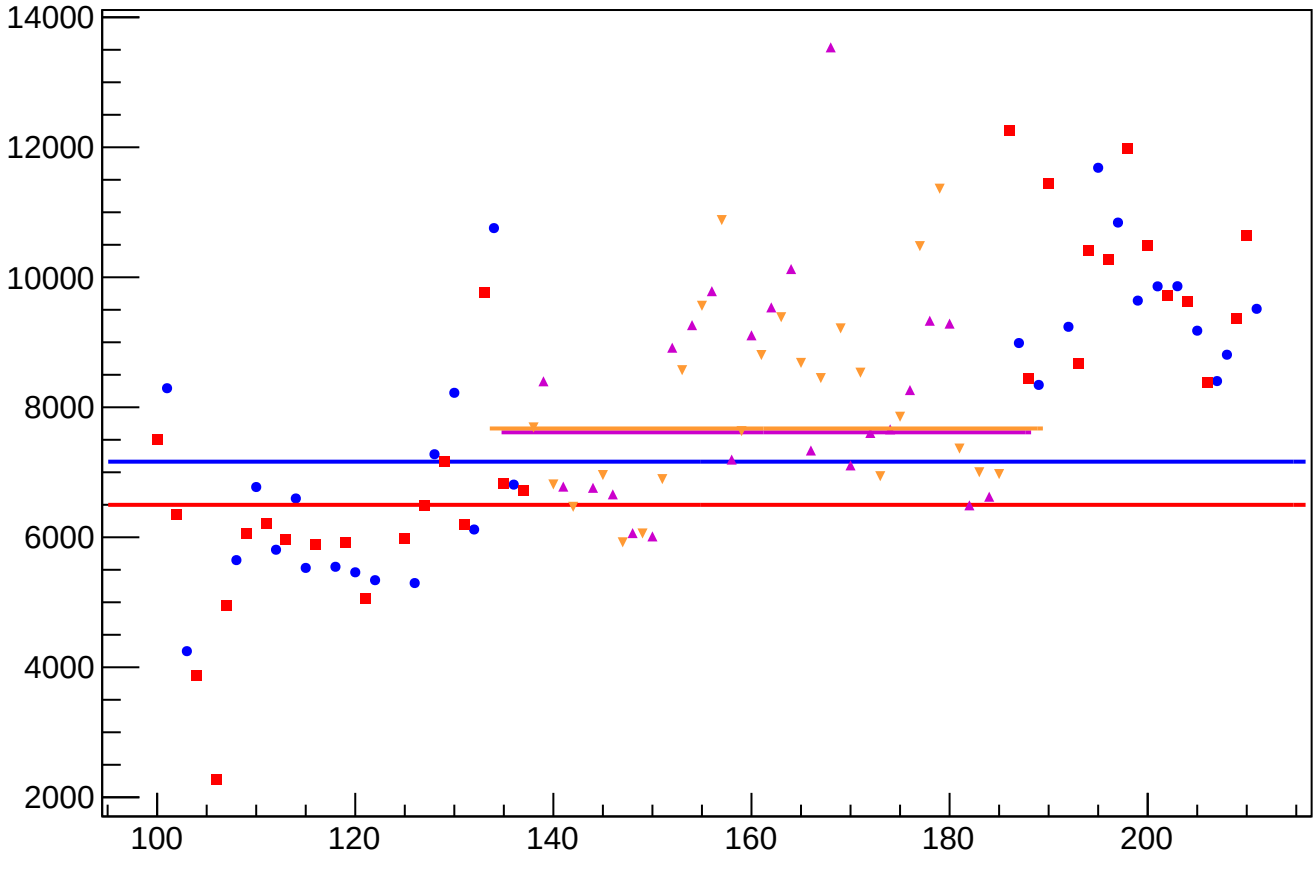
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 1291.162+/-1236.503 χ^2/NDF: 62.2/58

In: 94.324+/-1288.870 χ^2/NDF:42.7/50

Out: 1452.056+/-1233.137 χ^2/NDF:62.6/54

All: 803.179+/-891.011 χ^2/NDF: 105.8/105



Right In: 7163.361+/-1.295 χ^2/NDF: 2450276.3/27

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6499.083+/-1.186 χ^2/NDF: 4917007.9/30

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

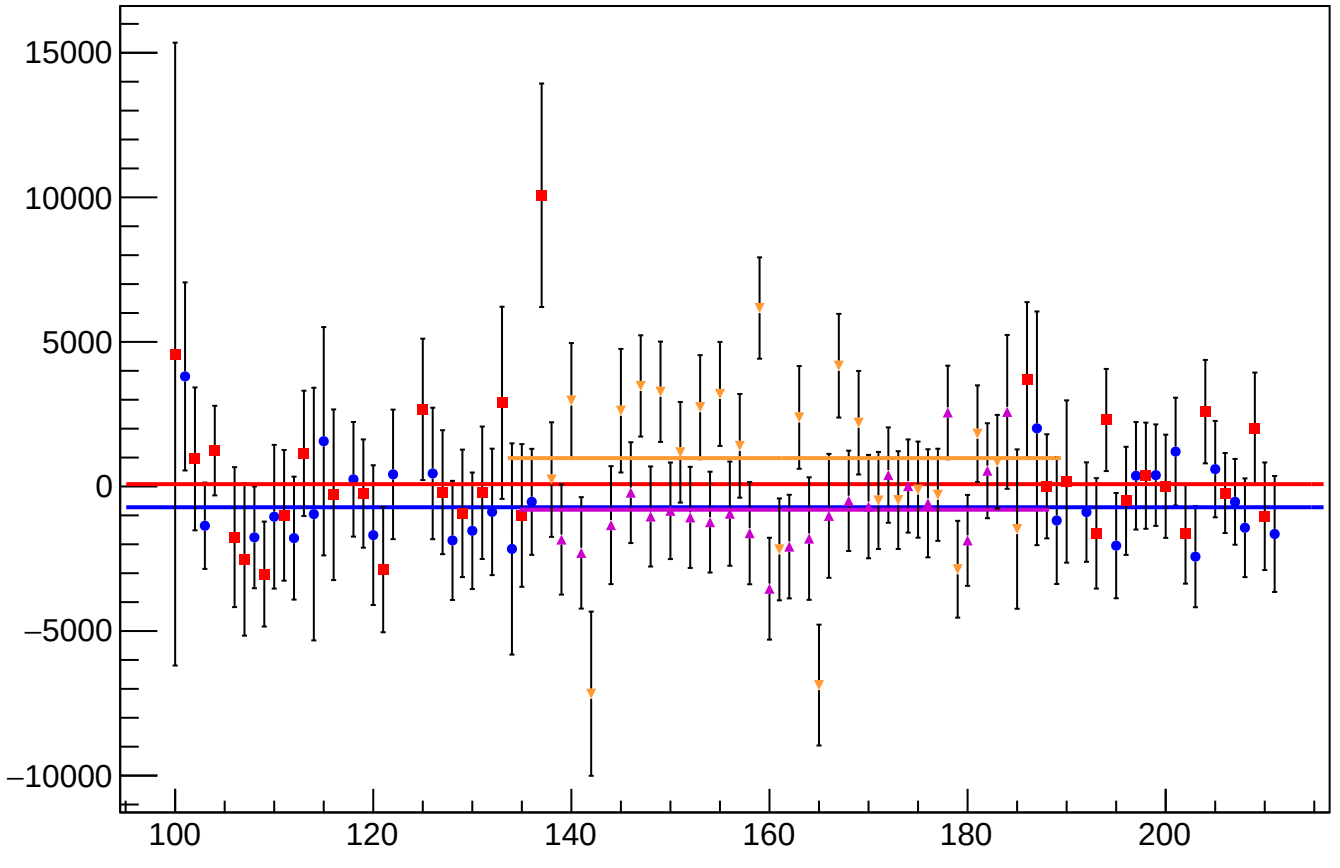
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6802.111+/-0.874 χ^2/NDF: 7510479.9/58

In: 7391.139+/-0.911 χ^2/NDF:3736180.0/50

Out: 7038.553+/-0.872 χ^2/NDF:6444636.8/54

All: 7207.058+/-0.630 χ^2/NDF: 10258958.9/1



Right In: -718.487+/-383.777 χ^2/NDF: 9.5/27

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 80.460+/-374.644 χ^2/NDF: 25.3/30

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

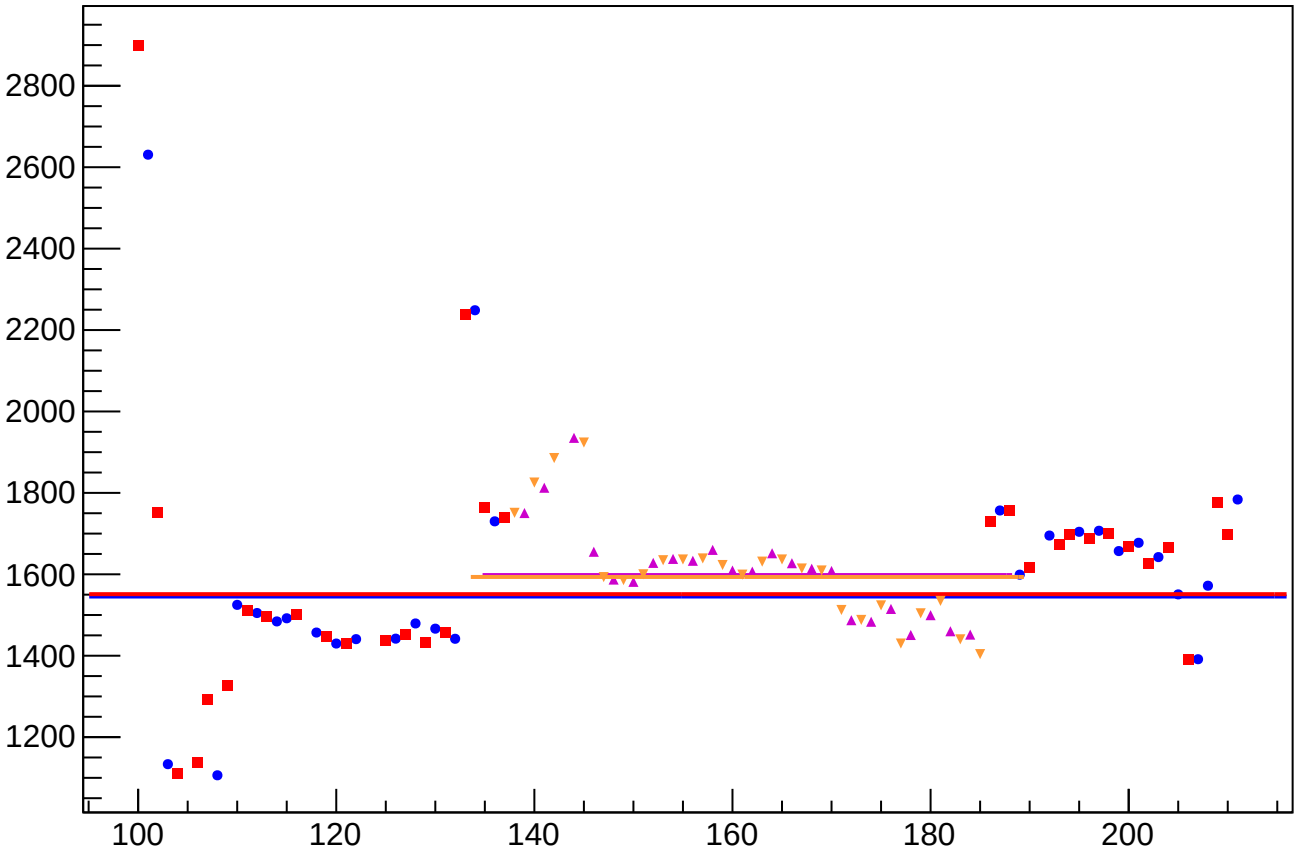
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -309.394+/-268.084 χ^2/NDF: 37.0/58

In: -762.228+/-267.872 χ^2/NDF:21.9/50

Out: 535.681+/-263.559 χ^2/NDF:83.8/54

All: -102.742+/-187.871 χ^2/NDF: 117.7/105



Right In: 1545.440+/-0.271 χ^2/NDF: 749117.3/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1551.209+/-0.265 χ^2/NDF: 627201.1/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

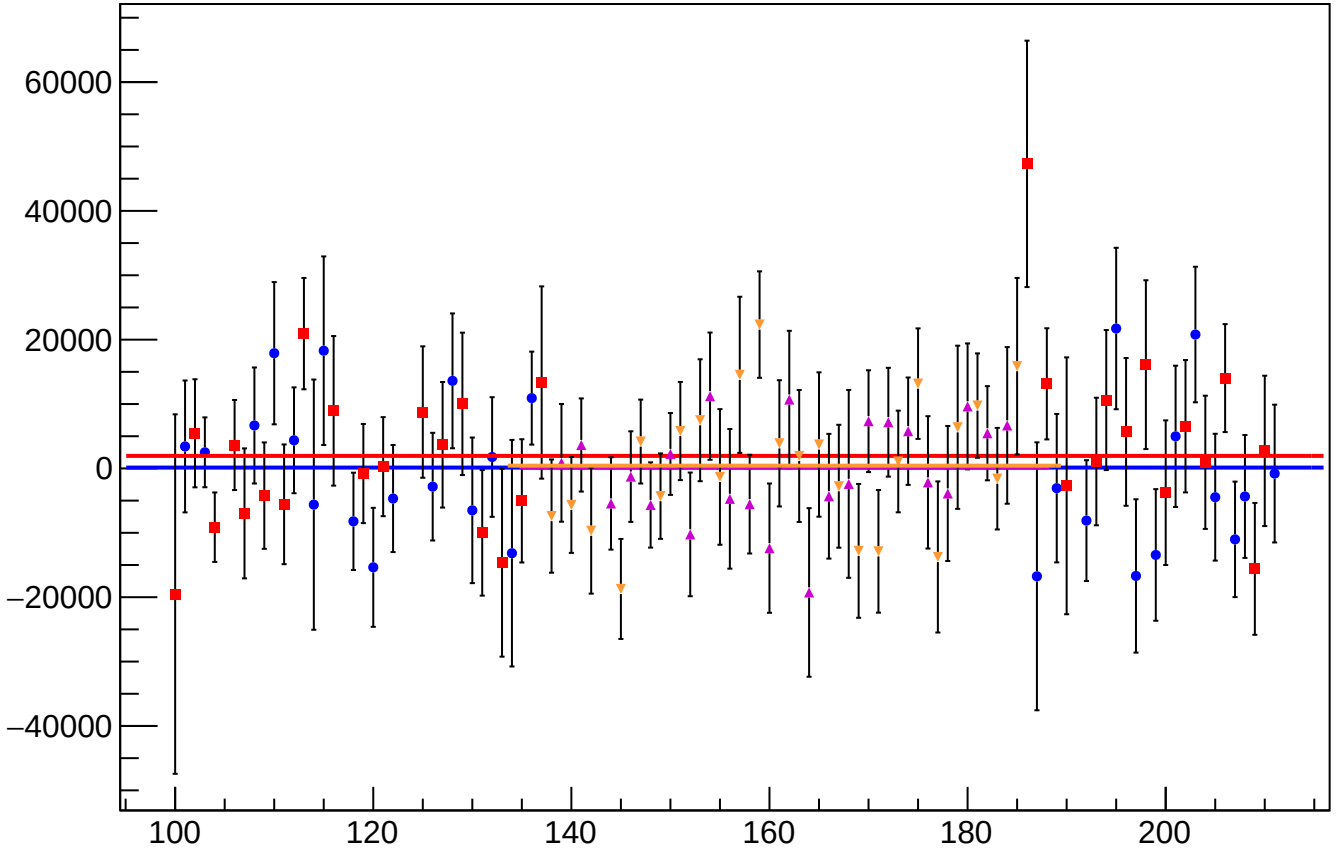
Right: 1548.397+/-0.189 χ^2/NDF: 1376550.0/58

In: 1572.454+/-0.189 χ^2/NDF:937598.9/50

Out: 1572.538+/-0.186 χ^2/NDF:827690.3/54

All: 1572.497+/-0.133 χ^2/NDF: 1765289.3/10

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 130.806+/-1828.765 χ^2/NDF: 28.9/27

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1946.617+/-1745.174 χ^2/NDF: 32.1/30

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

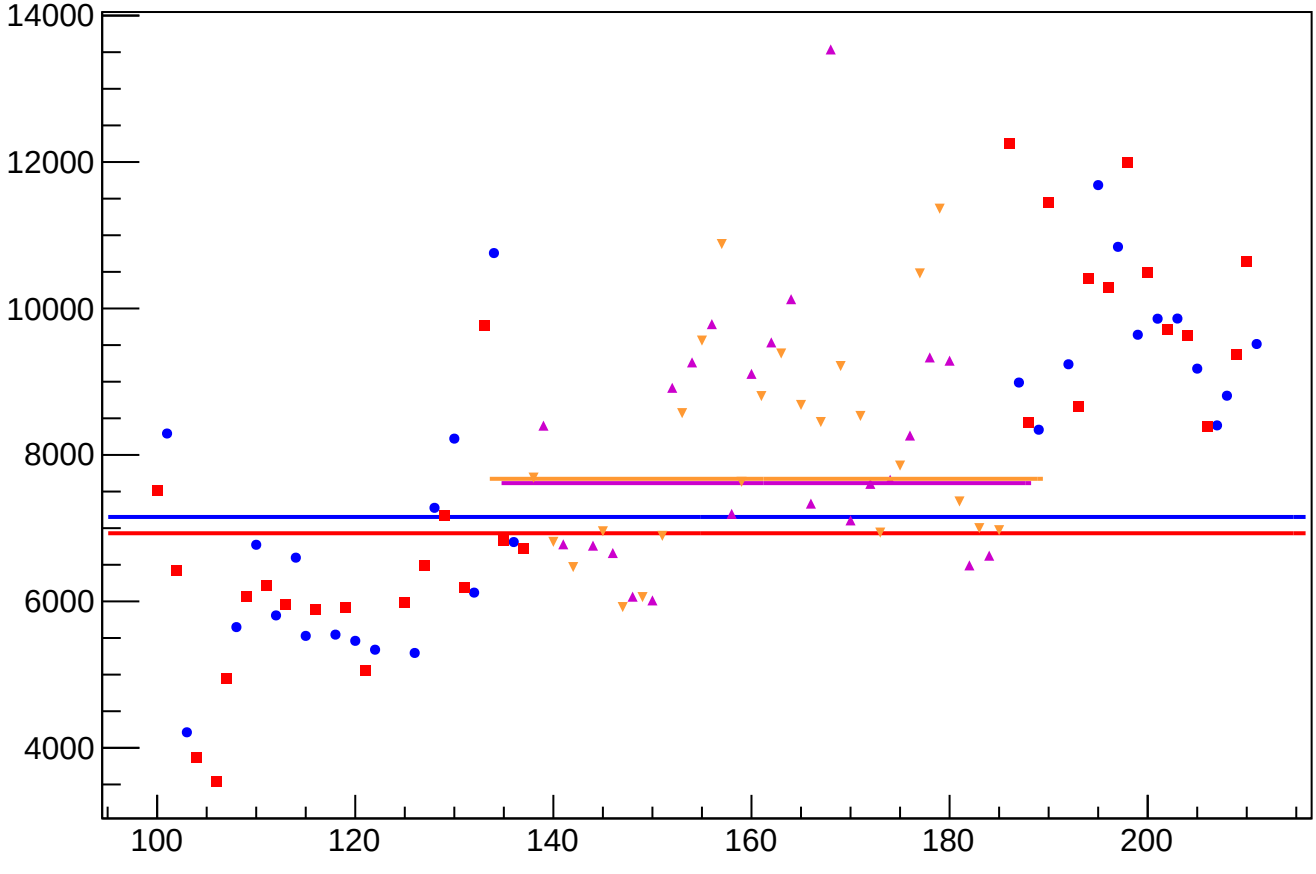
Right: 1081.158+/-1262.542 χ^2/NDF: 61.5/58

In: 128.574+/-1288.176 χ^2/NDF:42.8/50

Out: 1218.495+/-1259.607 χ^2/NDF:61.8/54

All: 685.755+/-900.607 χ^2/NDF: 104.9/105

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7152.980+/-1.293 χ^2/NDF: 2475409.5/27

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6930.437+/-1.234 χ^2/NDF: 3449902.8/30

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

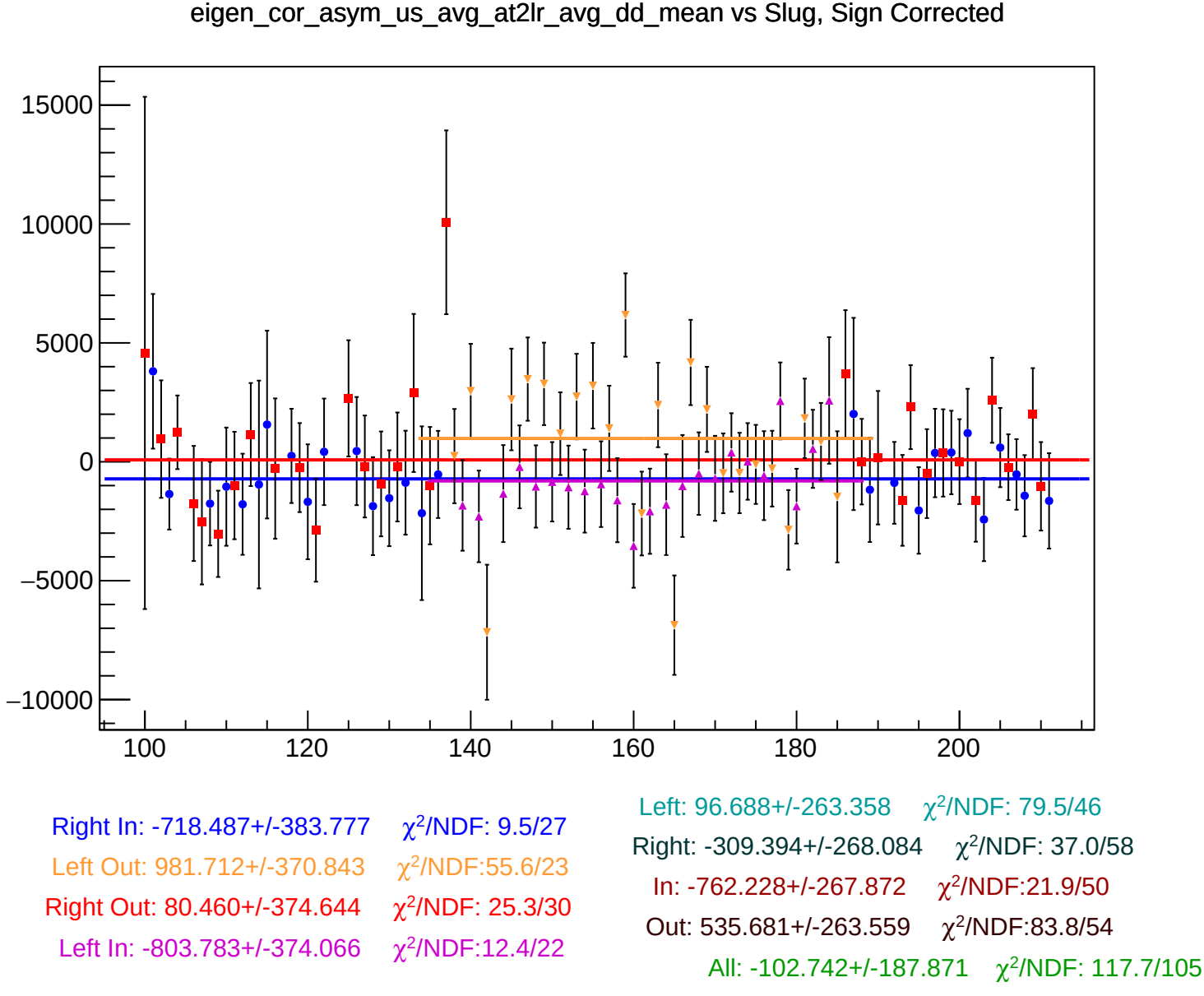
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

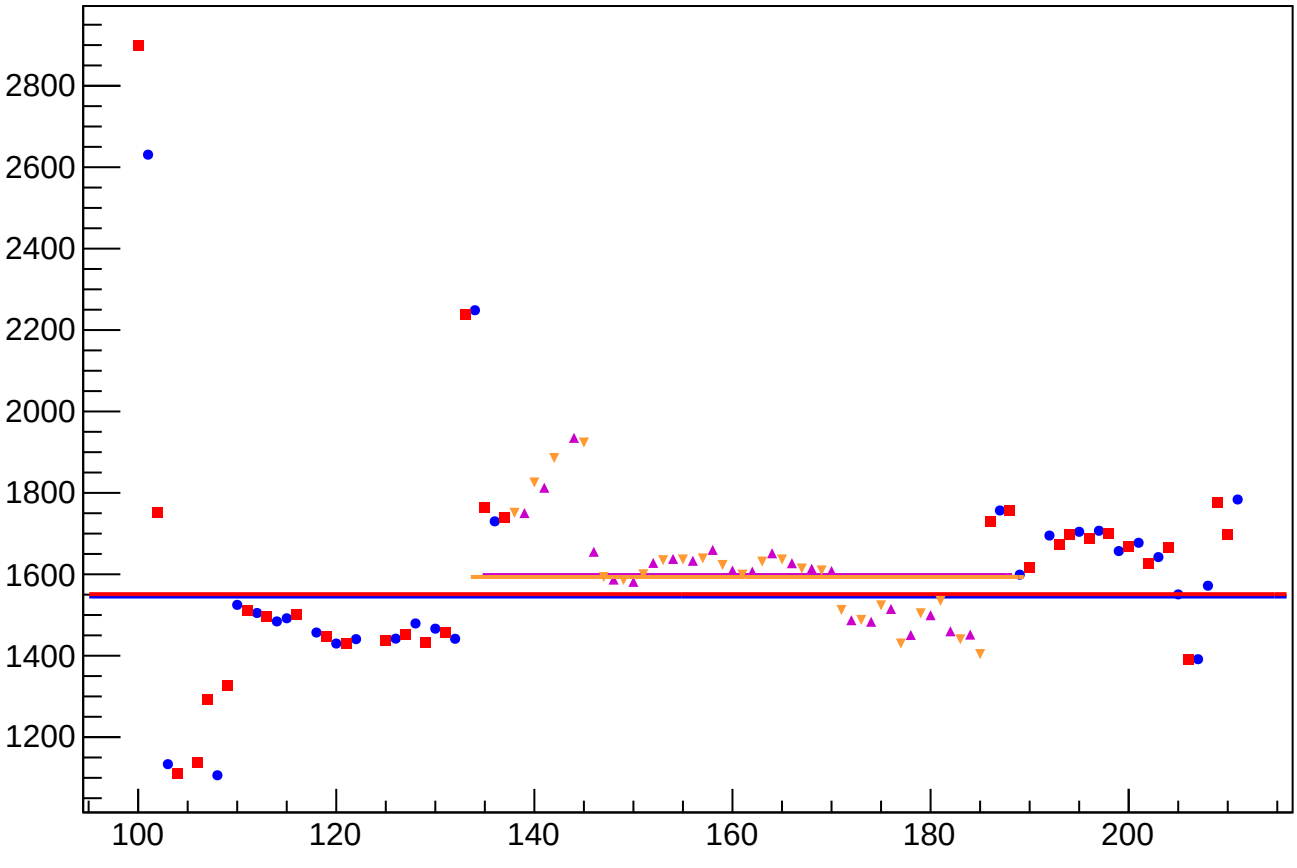
Right: 7036.506+/-0.893 χ^2/NDF: 5940813.3/58

In: 7385.739+/-0.911 χ^2/NDF:3764240.6/50

Out: 7286.674+/-0.891 χ^2/NDF:4700574.2/54

All: 7335.096+/-0.637 χ^2/NDF: 8470861.5/10


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -718.487+/-383.777 χ²/NDF: 9.5/27
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 80.460+/-374.644 χ²/NDF: 25.3/30
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -309.394+/-268.084 χ²/NDF: 37.0/58
In: -762.228+/-267.872 χ²/NDF:21.9/50
Out: 535.681+/-263.559 χ²/NDF:83.8/54
All: -102.742+/-187.871 χ²/NDF: 117.7/105



Right In: 1545.440+/-0.271 χ^2/NDF: 749117.3/27

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1551.209+/-0.265 χ^2/NDF: 627201.1/30

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

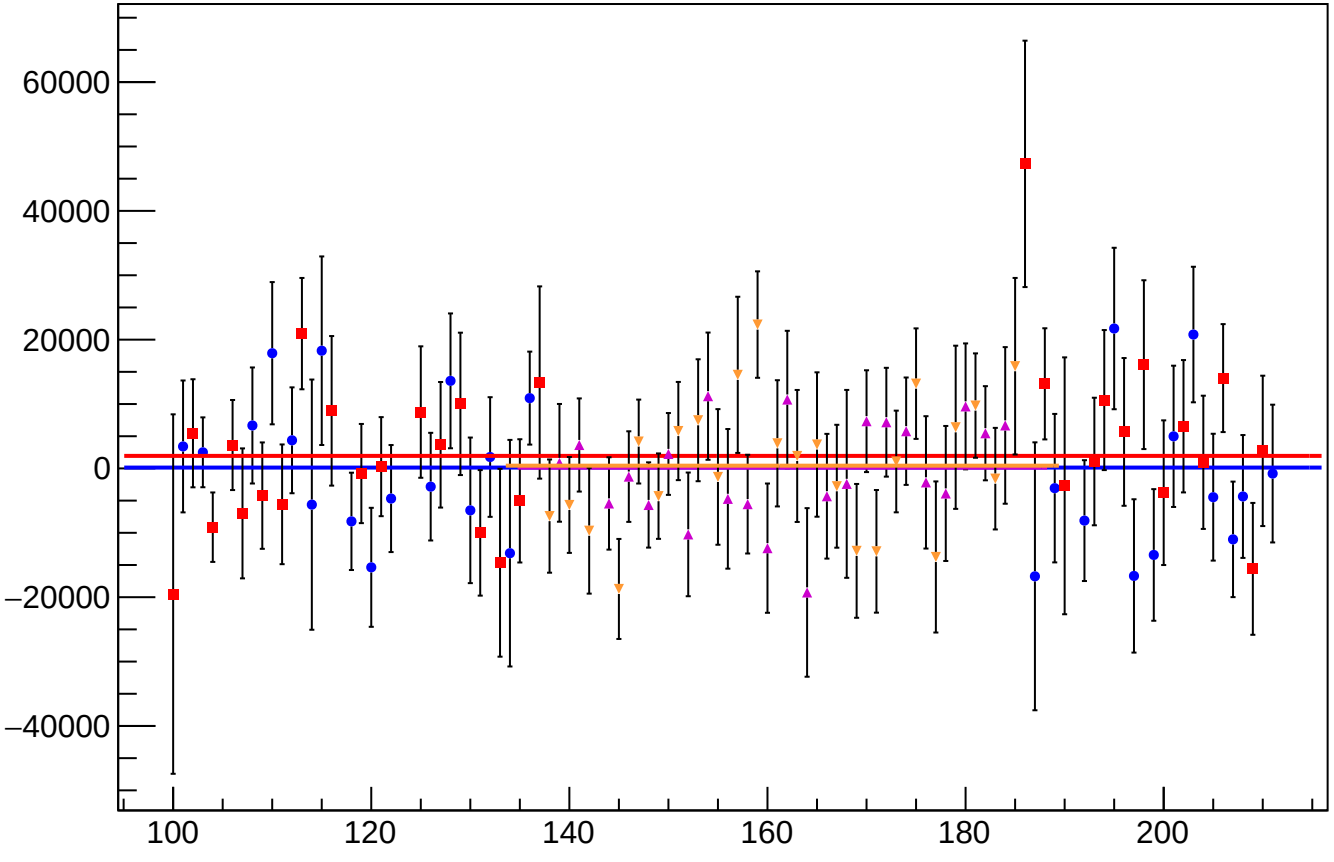
Right: 1548.397+/-0.189 χ^2/NDF: 1376550.0/58

In: 1572.454+/-0.189 χ^2/NDF:937598.9/50

Out: 1572.538+/-0.186 χ^2/NDF:827690.3/54

All: 1572.497+/-0.133 χ^2/NDF: 1765289.3/10

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 130.806+/-1828.765 χ^2/NDF: 28.9/27

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1946.617+/-1745.174 χ^2/NDF: 32.1/30

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

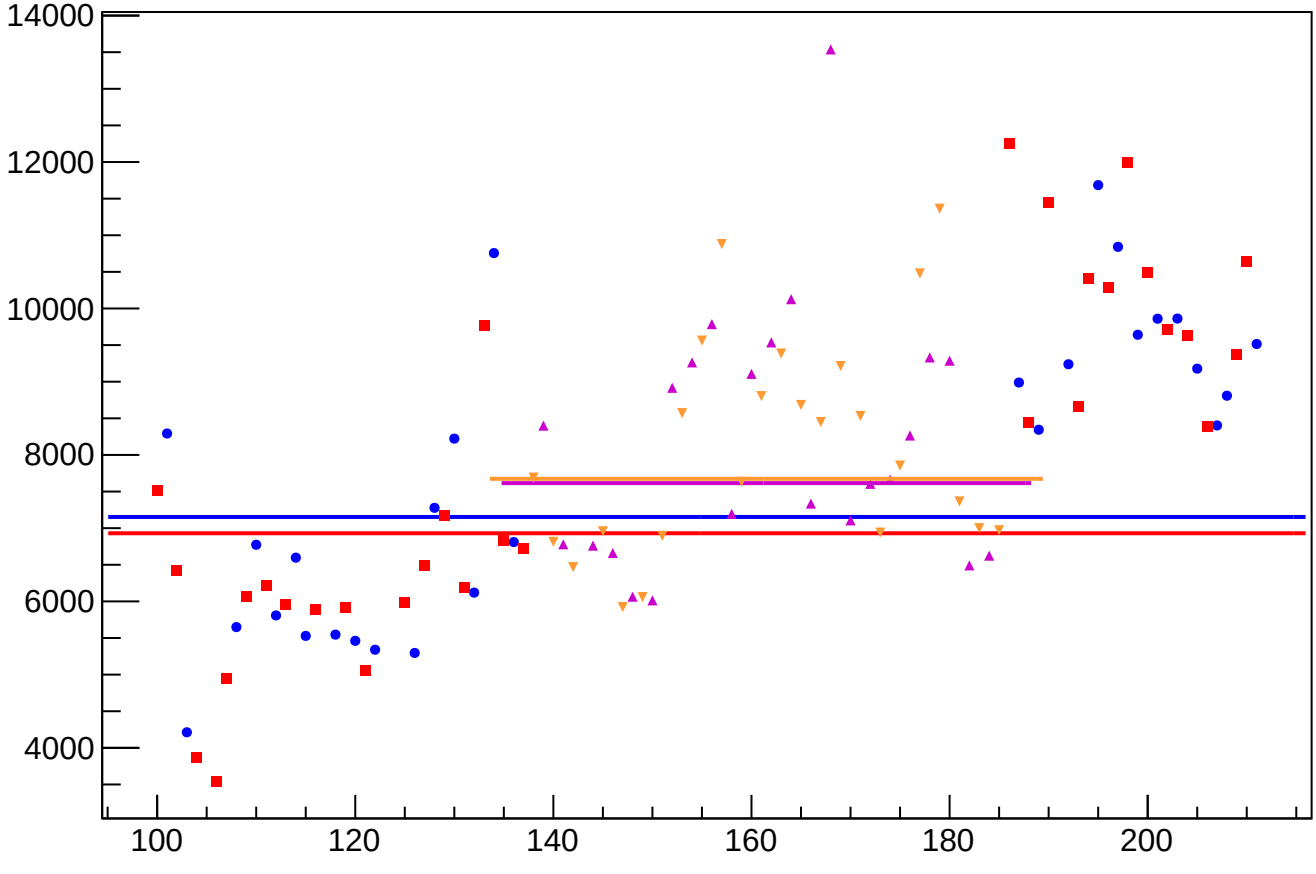
Right: 1081.158+/-1262.542 χ^2/NDF: 61.5/58

In: 128.574+/-1288.176 χ^2/NDF:42.8/50

Out: 1218.495+/-1259.607 χ^2/NDF:61.8/54

All: 685.755+/-900.607 χ^2/NDF: 104.9/105

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 7152.980+/-1.293 χ^2/NDF: 2475409.5/27

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6930.437+/-1.234 χ^2/NDF: 3449902.8/30

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

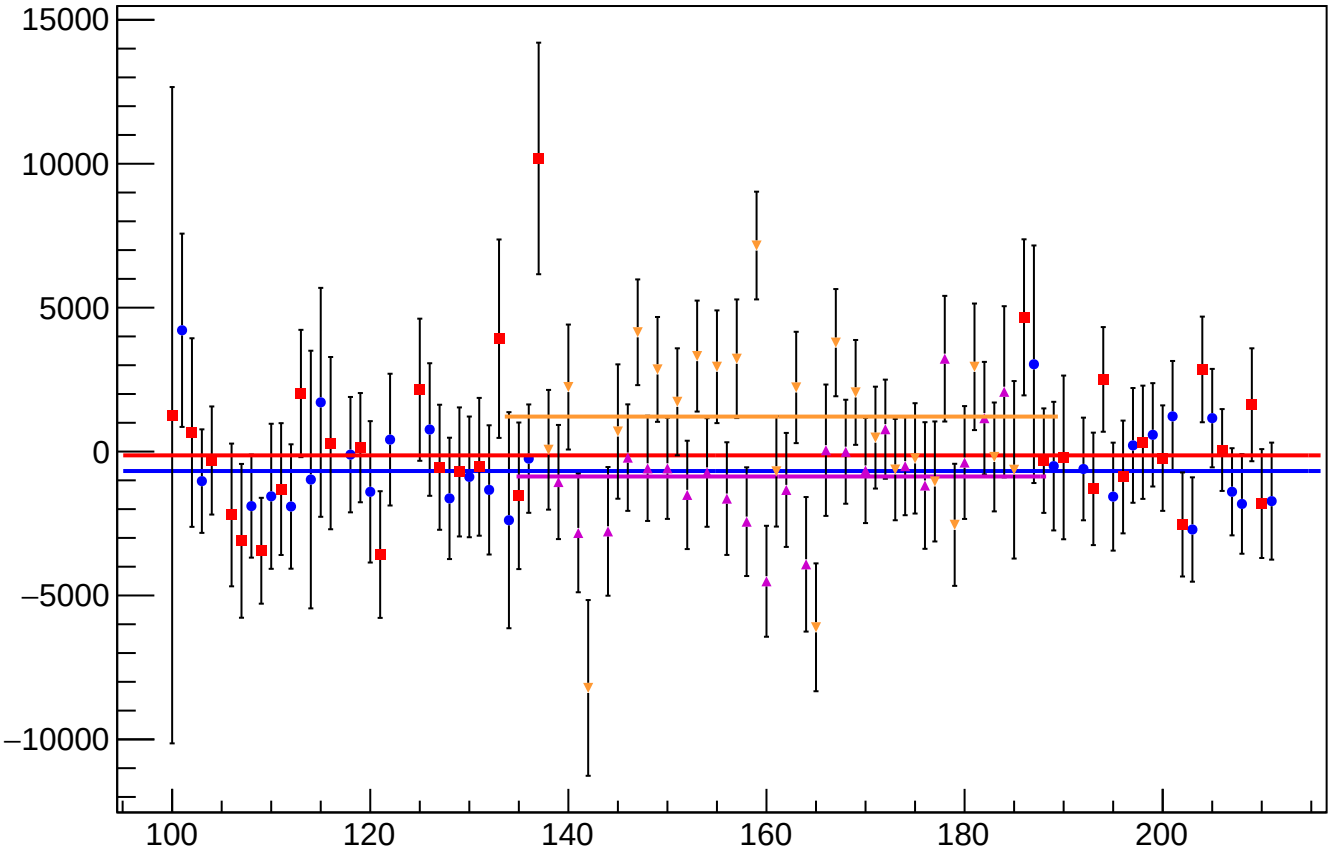
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7036.506+/-0.893 χ^2/NDF: 5940813.3/58

In: 7385.739+/-0.911 χ^2/NDF:3764240.6/50

Out: 7286.674+/-0.891 χ^2/NDF:4700574.2/54

All: 7335.096+/-0.637 χ^2/NDF: 8470861.5/10



Right In: -675.966+/-397.129 χ^2/NDF: 10.8/27

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -131.931+/-389.120 χ^2/NDF: 30.0/30

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

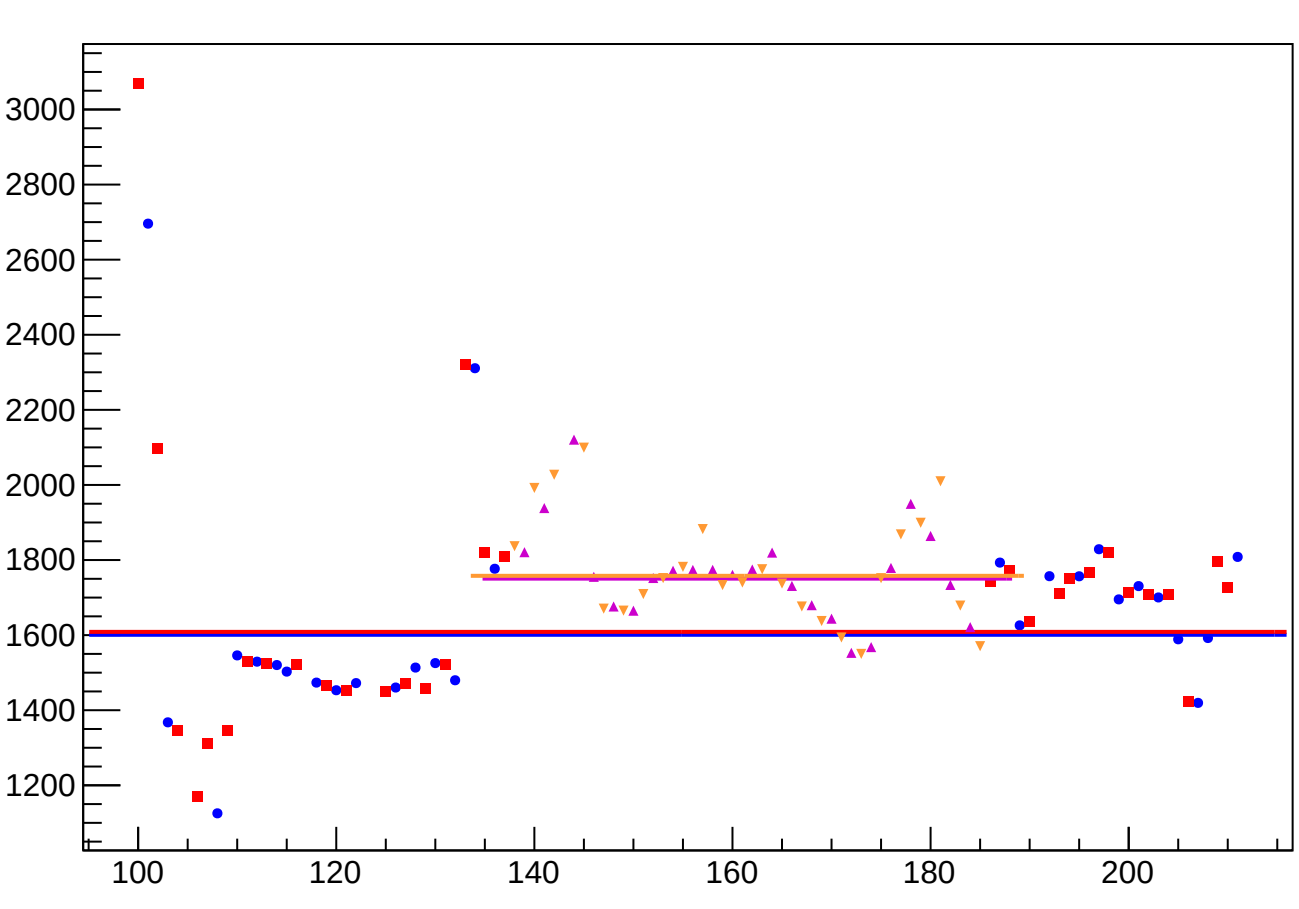
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -398.407+/-277.938 χ^2/NDF: 41.8/58

In: -767.955+/-285.267 χ^2/NDF:26.1/50

Out: 507.213+/-282.107 χ^2/NDF:84.2/54

All: -123.267+/-200.588 χ^2/NDF: 120.3/105



Right In: 1600.925+/-0.281 χ^2/NDF: 652471.6/27

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1608.680+/-0.275 χ^2/NDF: 559304.0/30

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

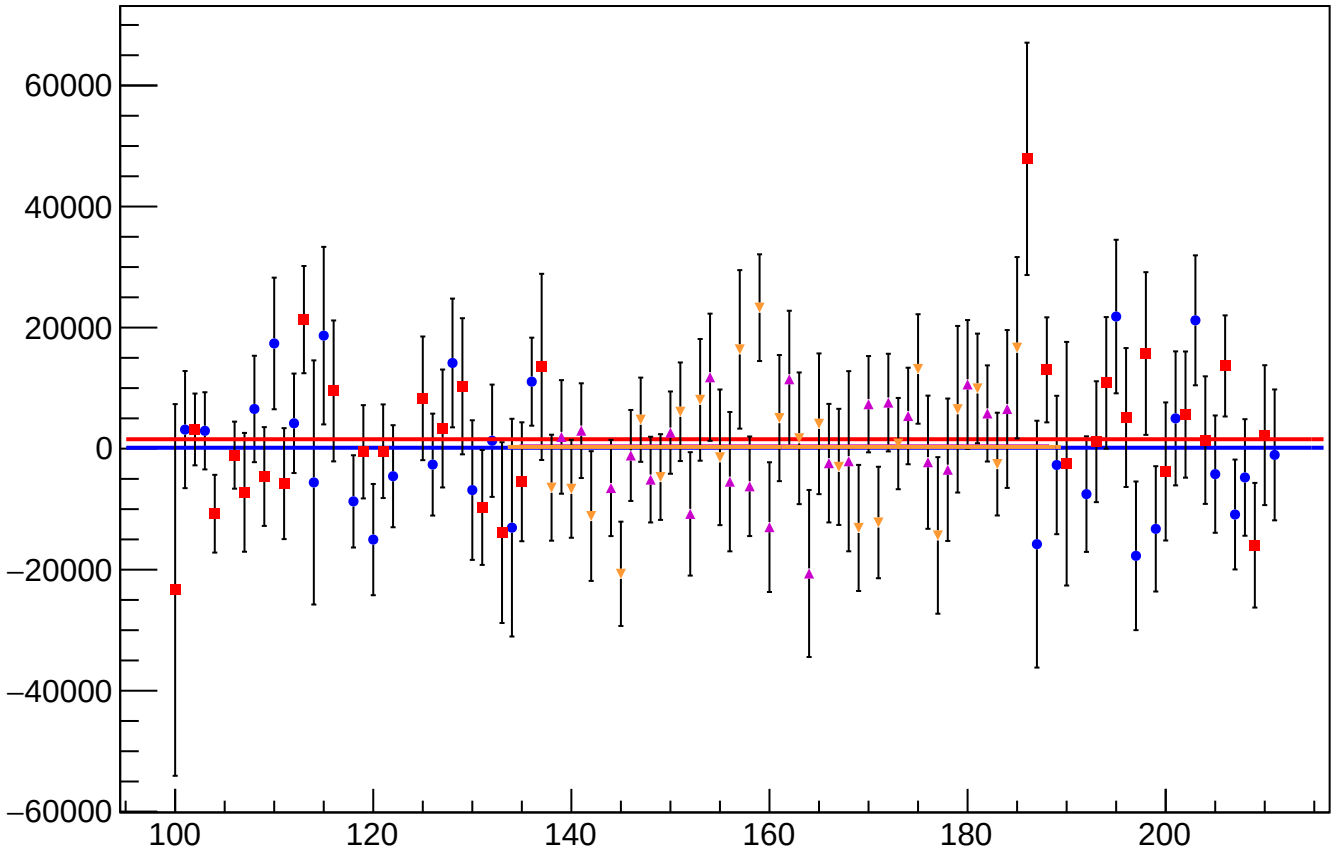
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1604.882+/-0.197 χ^2/NDF: 1212164.7/58

In: 1673.310+/-0.202 χ^2/NDF:961641.4/50

Out: 1679.490+/-0.199 χ^2/NDF:912254.7/54

All: 1676.434+/-0.142 χ^2/NDF: 1874370.7/10



Right In: 145.488+/-1863.614 χ^2/NDF: 28.7/27

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1554.445+/-1708.300 χ^2/NDF: 31.8/30

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

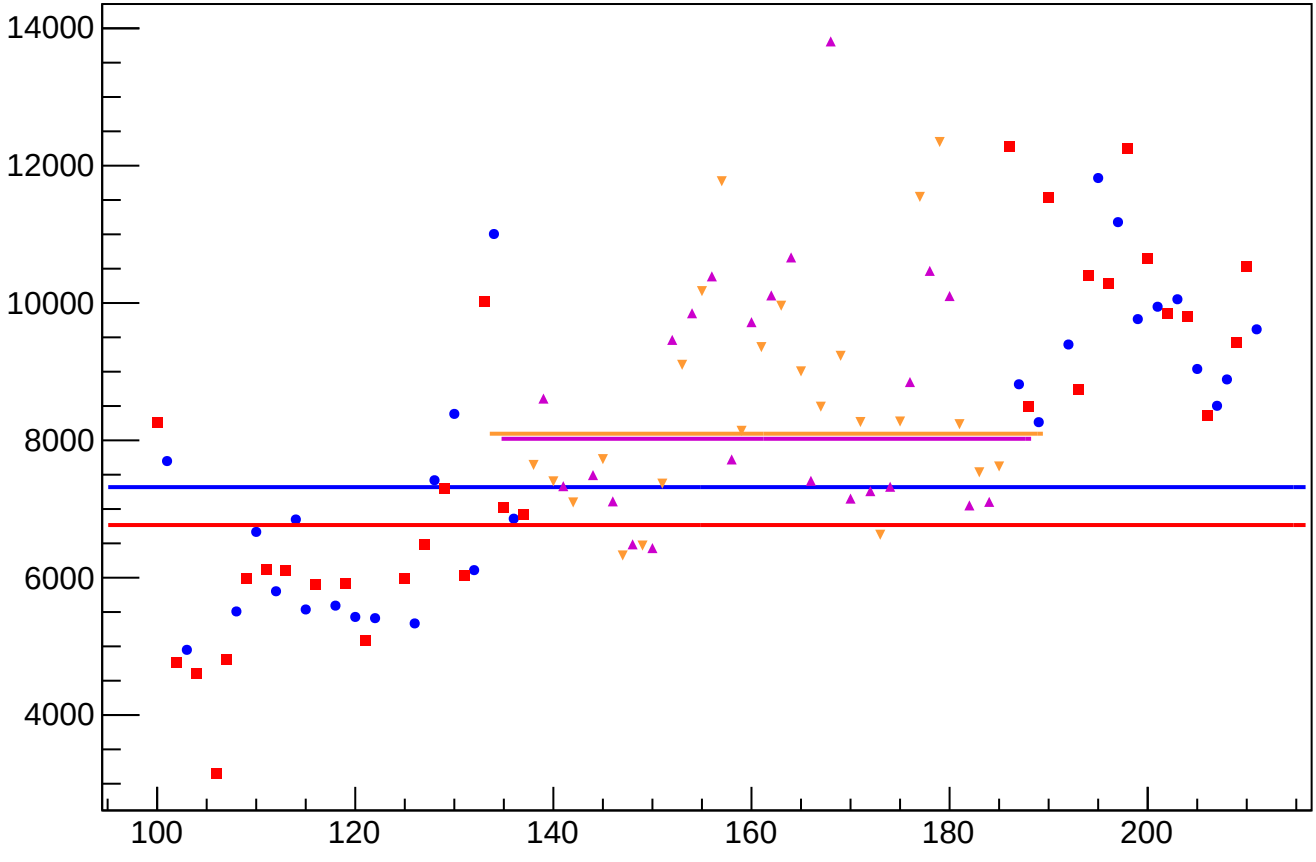
Right: 911.115+/-1259.285 χ^2/NDF: 60.8/58

In: 261.011+/-1334.683 χ^2/NDF:42.3/50

Out: 993.550+/-1276.300 χ^2/NDF:60.7/54

All: 643.653+/-922.430 χ^2/NDF: 103.1/105

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7318.949+/-1.318 χ^2/NDF: 2176729.3/27

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6766.833+/-1.208 χ^2/NDF: 3855505.5/30

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

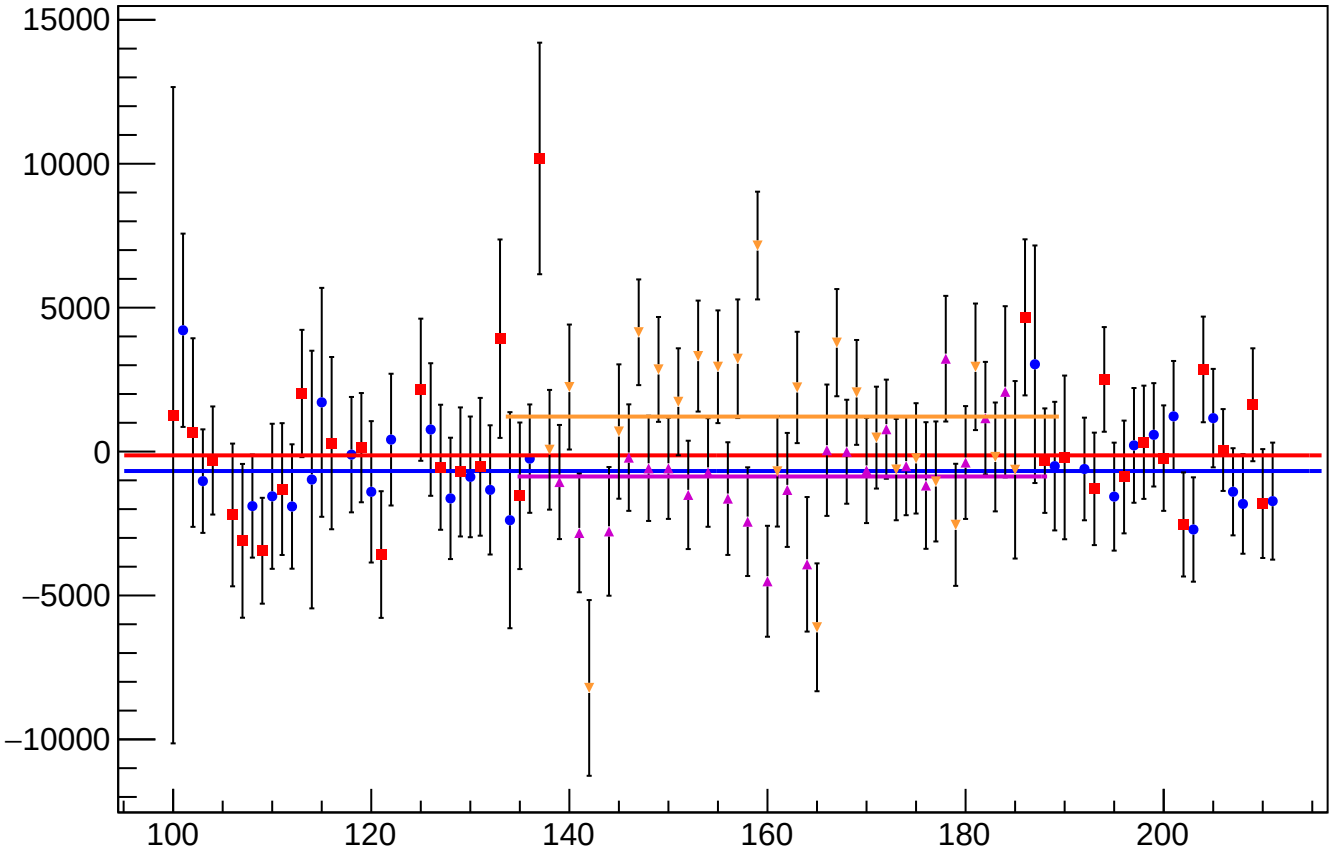
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7018.929+/-0.890 χ^2/NDF: 6127623.8/58

In: 7661.749+/-0.944 χ^2/NDF:3541207.9/50

Out: 7354.444+/-0.902 χ^2/NDF:5478894.7/54

All: 7501.228+/-0.652 χ^2/NDF: 9075485.4/10



Right In: -675.965+/-397.129 χ^2/NDF: 10.8/27

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -131.932+/-389.120 χ^2/NDF: 30.0/30

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

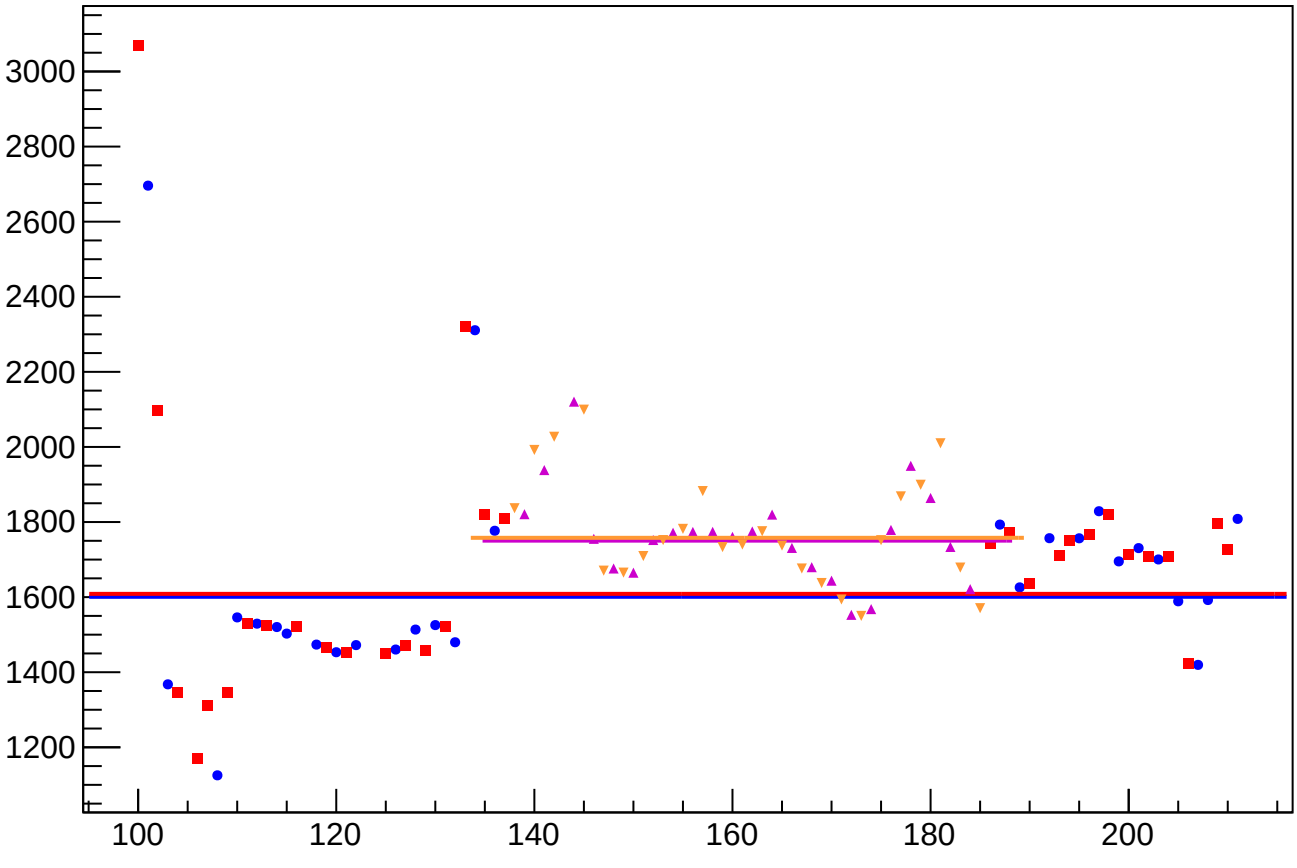
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -398.407+/-277.938 χ^2/NDF: 41.8/58

In: -767.954+/-285.268 χ^2/NDF:26.1/50

Out: 507.215+/-282.107 χ^2/NDF:84.2/54

All: -123.266+/-200.588 χ^2/NDF: 120.3/105



Right In: 1600.925+/-0.281 χ^2/NDF: 652471.9/27

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1608.680+/-0.275 χ^2/NDF: 559305.1/30

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

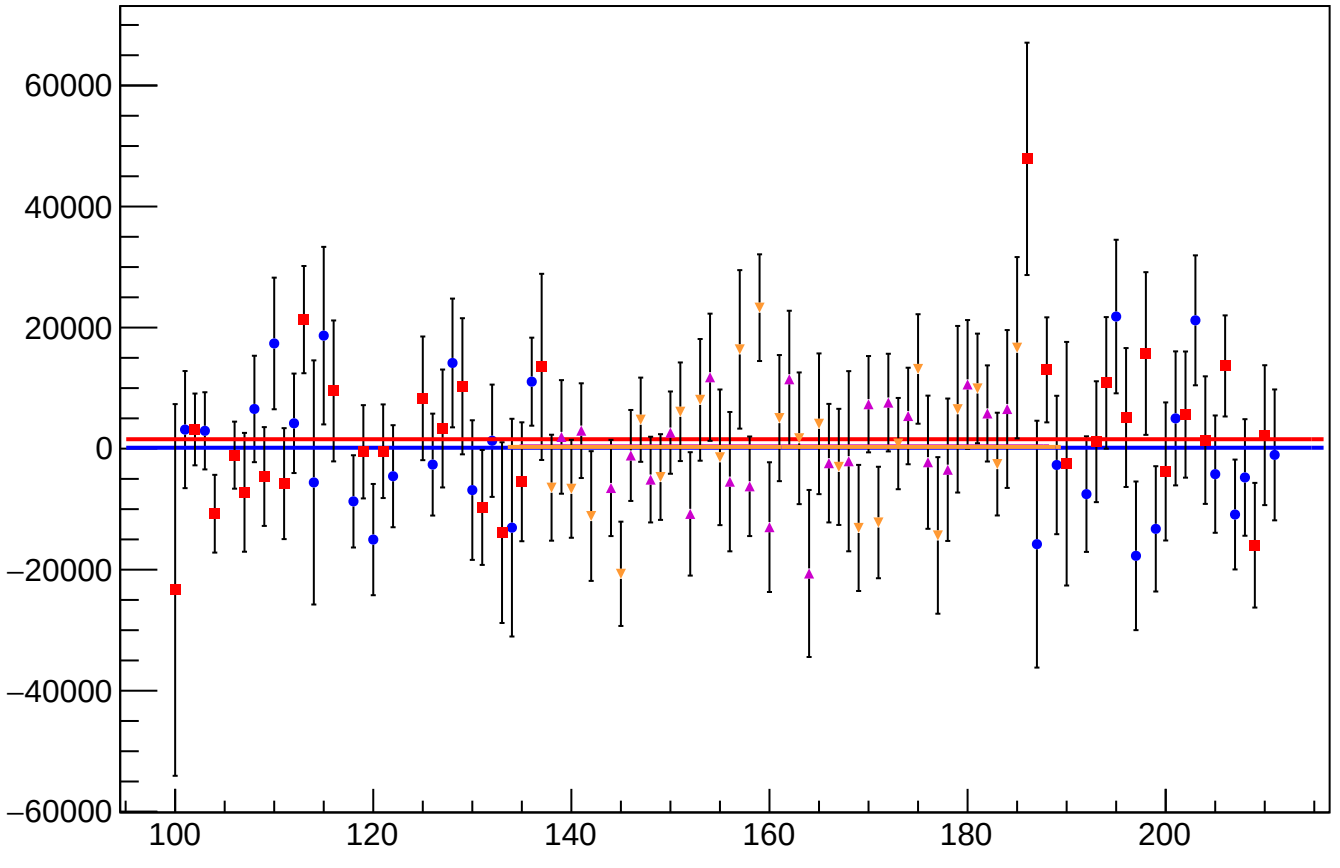
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1604.882+/-0.197 χ^2/NDF: 1212166.1/58

In: 1673.311+/-0.202 χ^2/NDF:961654.3/50

Out: 1679.491+/-0.199 χ^2/NDF:912268.7/54

All: 1676.436+/-0.142 χ^2/NDF: 1874397.5/10



Right In: 145.481+/-1863.613 χ^2/NDF: 28.7/27

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1554.435+/-1708.299 χ^2/NDF: 31.8/30

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

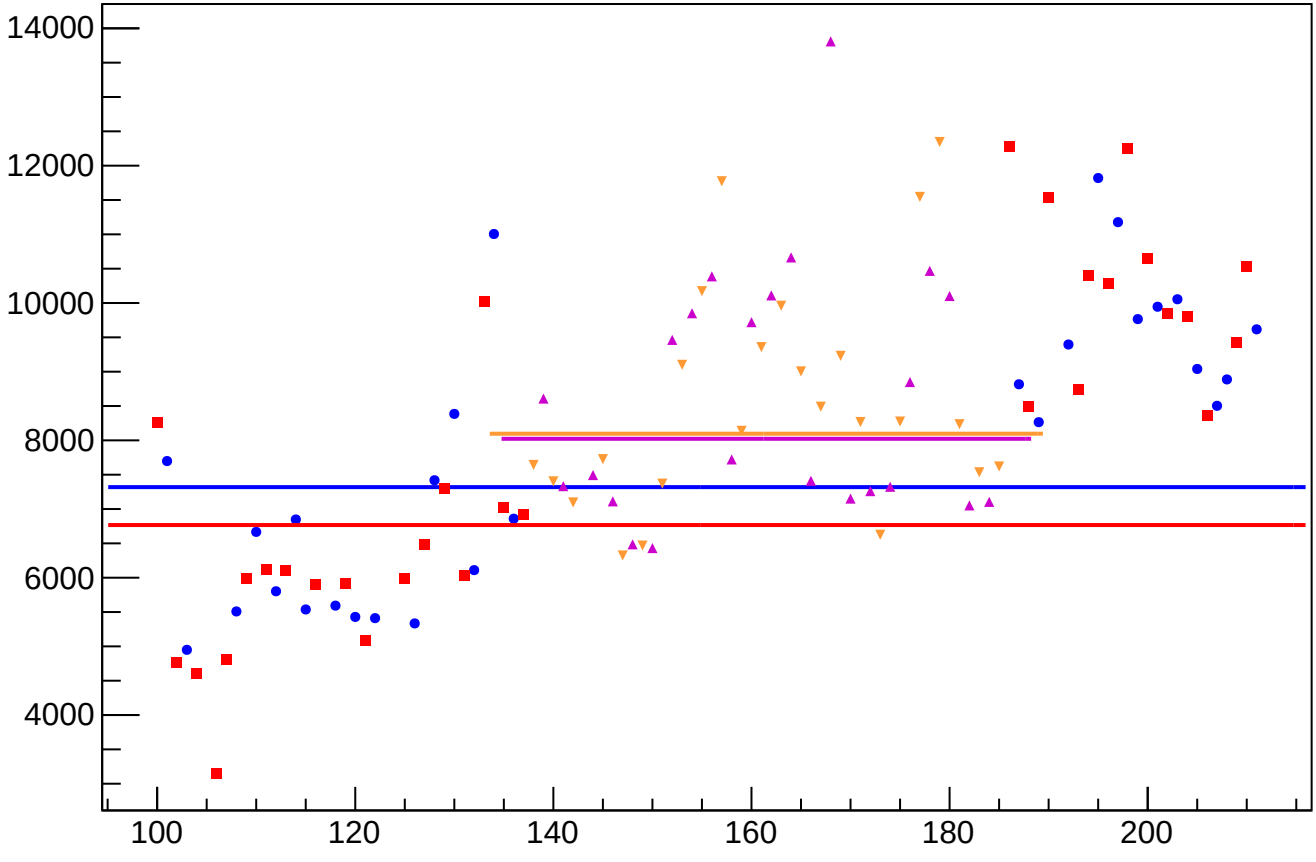
Right: 911.107+/-1259.284 χ^2/NDF: 60.8/58

In: 261.009+/-1334.684 χ^2/NDF:42.3/50

Out: 993.547+/-1276.300 χ^2/NDF:60.7/54

All: 643.650+/-922.430 χ^2/NDF: 103.1/105

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7318.940+/-1.318 χ^2/NDF: 2176759.9/27

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6766.823+/-1.208 χ^2/NDF: 3855535.8/30

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

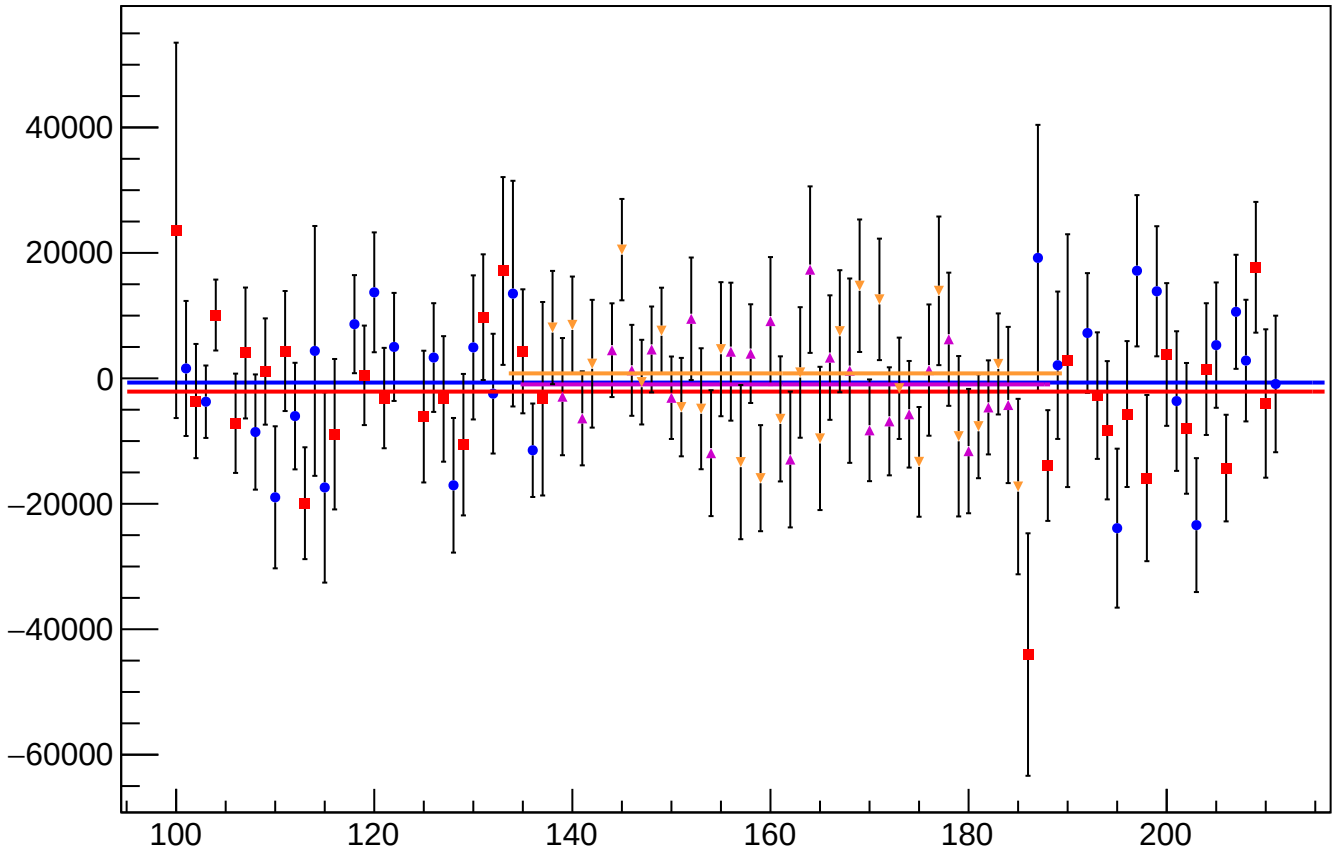
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7018.920+/-0.890 χ^2/NDF: 6127685.2/58

In: 7661.750+/-0.944 χ^2/NDF:3541250.6/50

Out: 7354.442+/-0.902 χ^2/NDF:5478944.6/54

All: 7501.228+/-0.652 χ^2/NDF: 9075578.8/10



Right In: -671.606+/-1882.029 χ^2/NDF: 30.8/27

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2114.465+/-1806.003 χ^2/NDF: 29.8/30

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

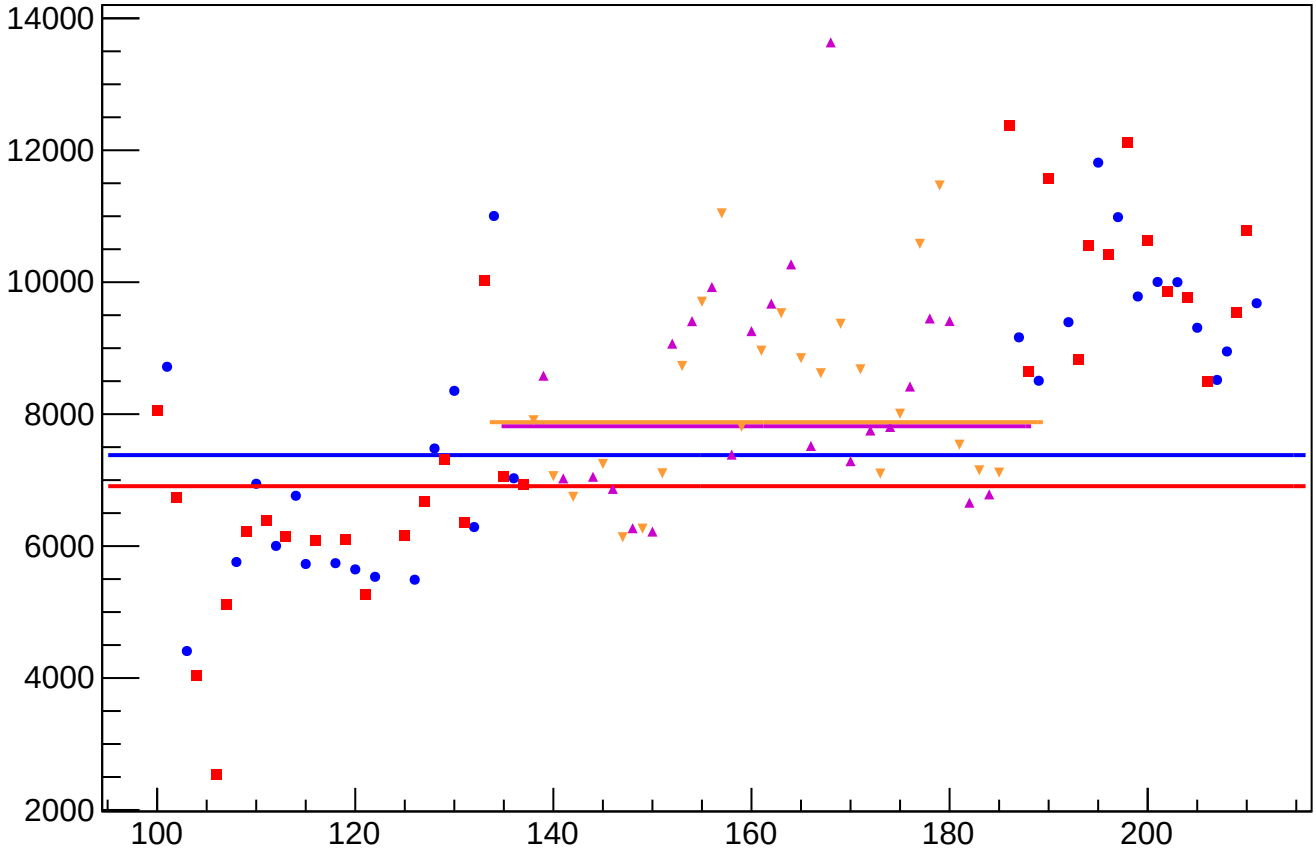
Right: -1422.766+/-1303.085 χ^2/NDF: 60.9/58

In: -819.513+/-1322.911 χ^2/NDF:43.6/50

Out: -708.373+/-1297.430 χ^2/NDF:58.3/54

All: -762.863+/-926.299 χ^2/NDF: 101.8/105

asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 7378.955+/-1.331 χ^2/NDF: 2302661.3/27

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6908.134+/-1.246 χ^2/NDF: 4088800.7/30

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

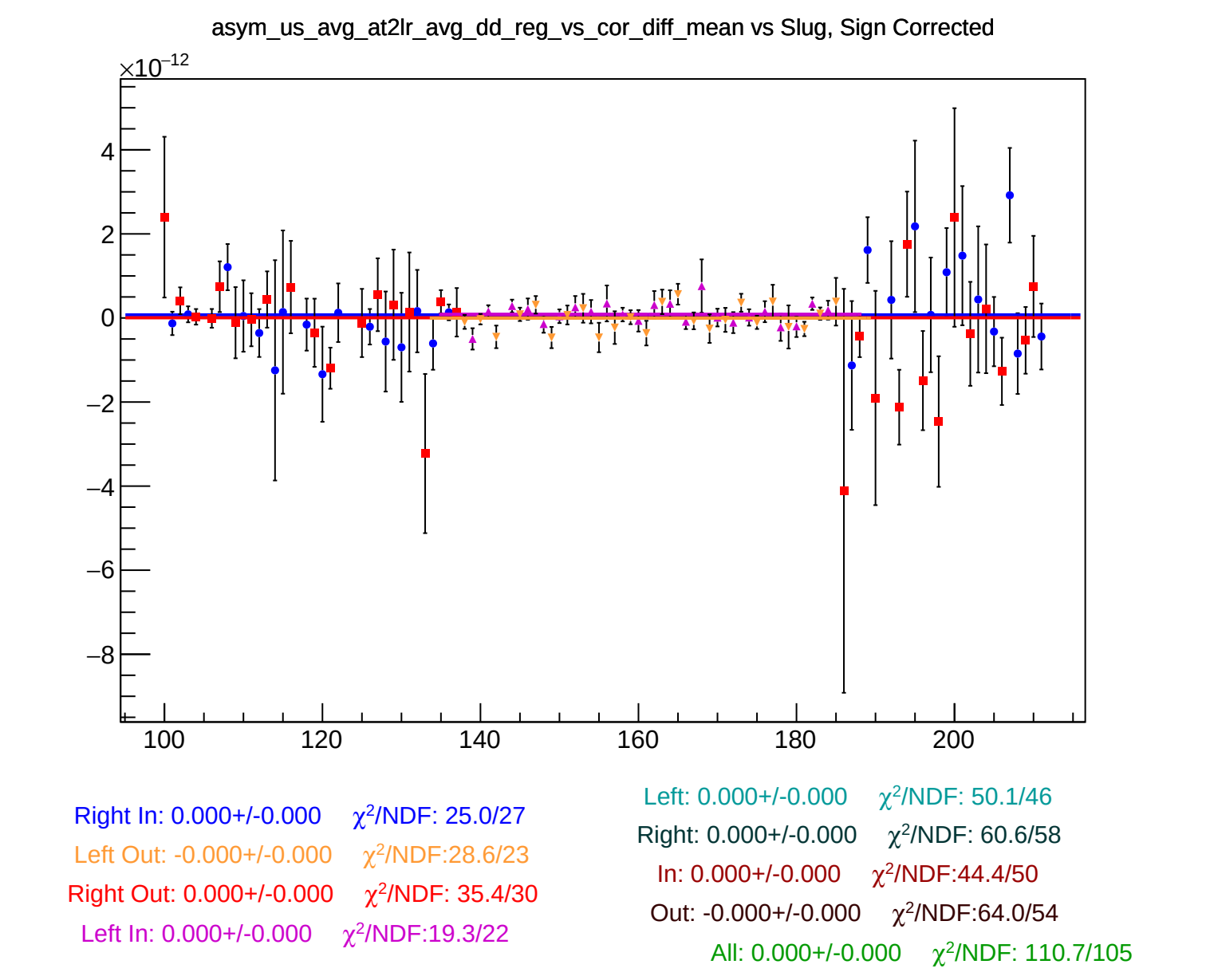
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 7128.138+/-0.910 χ^2/NDF: 6458141.9/58

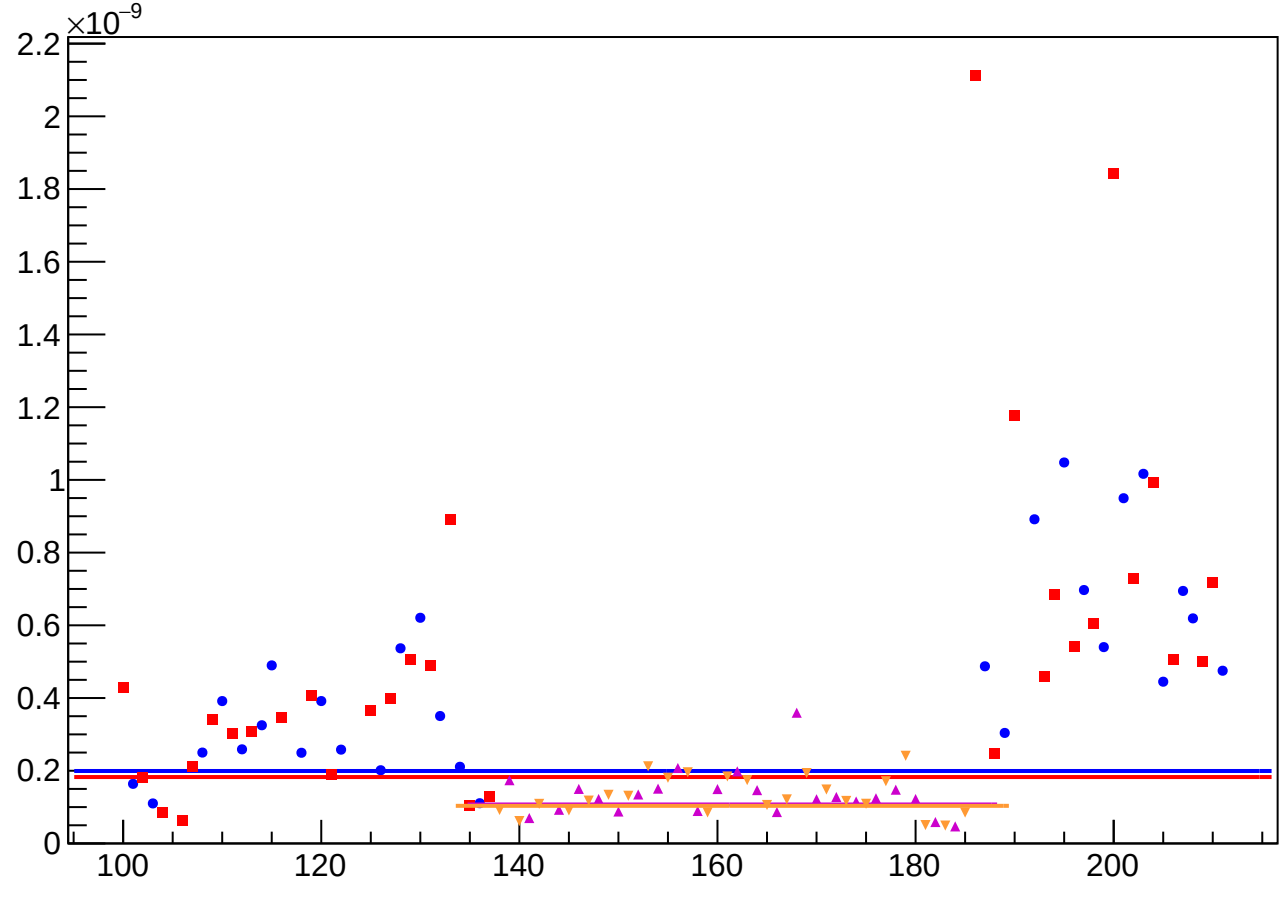
In: 7600.285+/-0.935 χ^2/NDF:3489704.7/50

Out: 7365.918+/-0.906 χ^2/NDF:5364813.7/54

All: 7479.336+/-0.651 χ^2/NDF: 8886912.6/10


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.0/27
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.4/30
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 60.6/58
In: 0.000+/-0.000 χ²/NDF:44.4/50
Out: -0.000+/-0.000 χ²/NDF:64.0/54
All: 0.000+/-0.000 χ²/NDF: 110.7/105

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5079397.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6803442.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

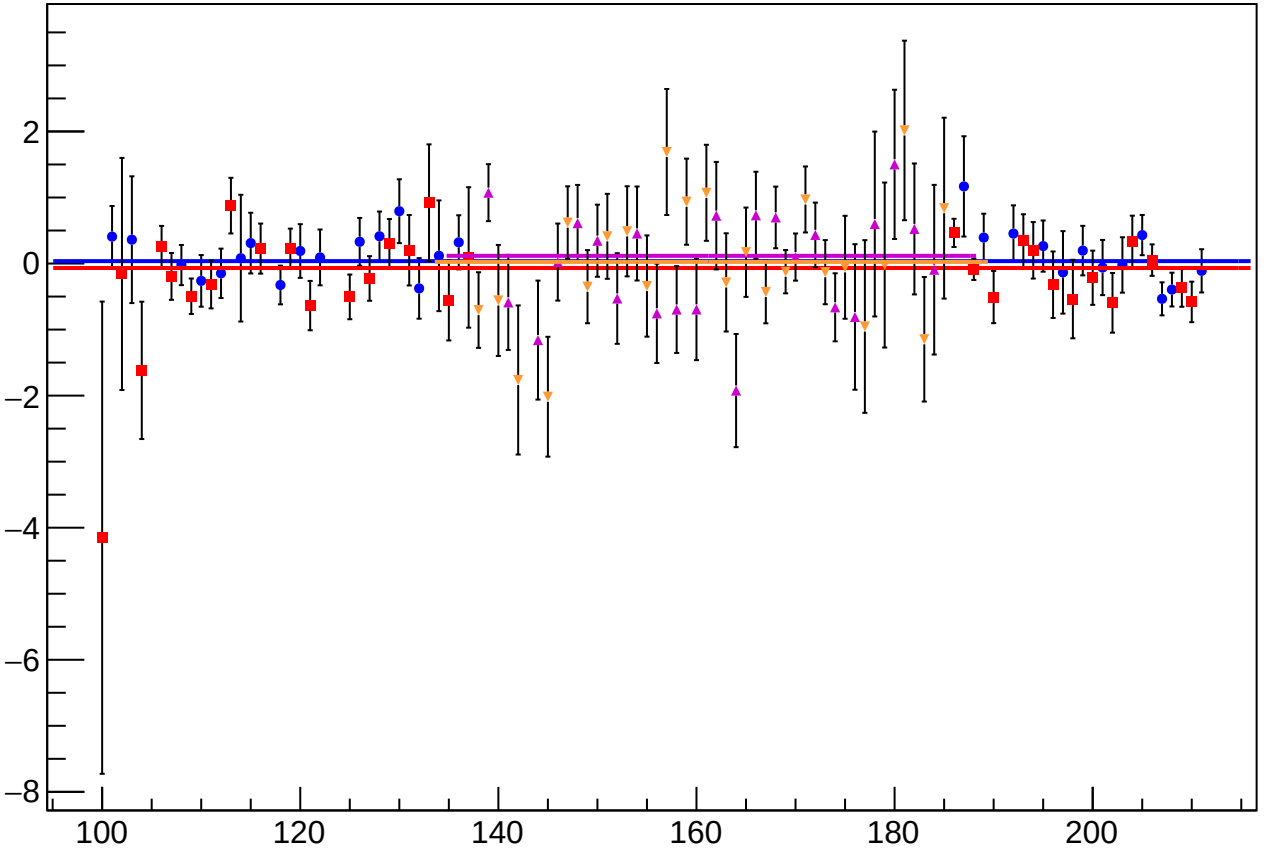
Right: 0.000+/-0.000 χ^2/NDF: 11911974.5/58

In: 0.000+/-0.000 χ^2/NDF:8119935.4/50

Out: 0.000+/-0.000 χ^2/NDF:9822305.5/54

All: 0.000+/-0.000 χ^2/NDF: 17963764.7/105

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.068+/-0.063 χ^2/NDF: 38.3/30

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

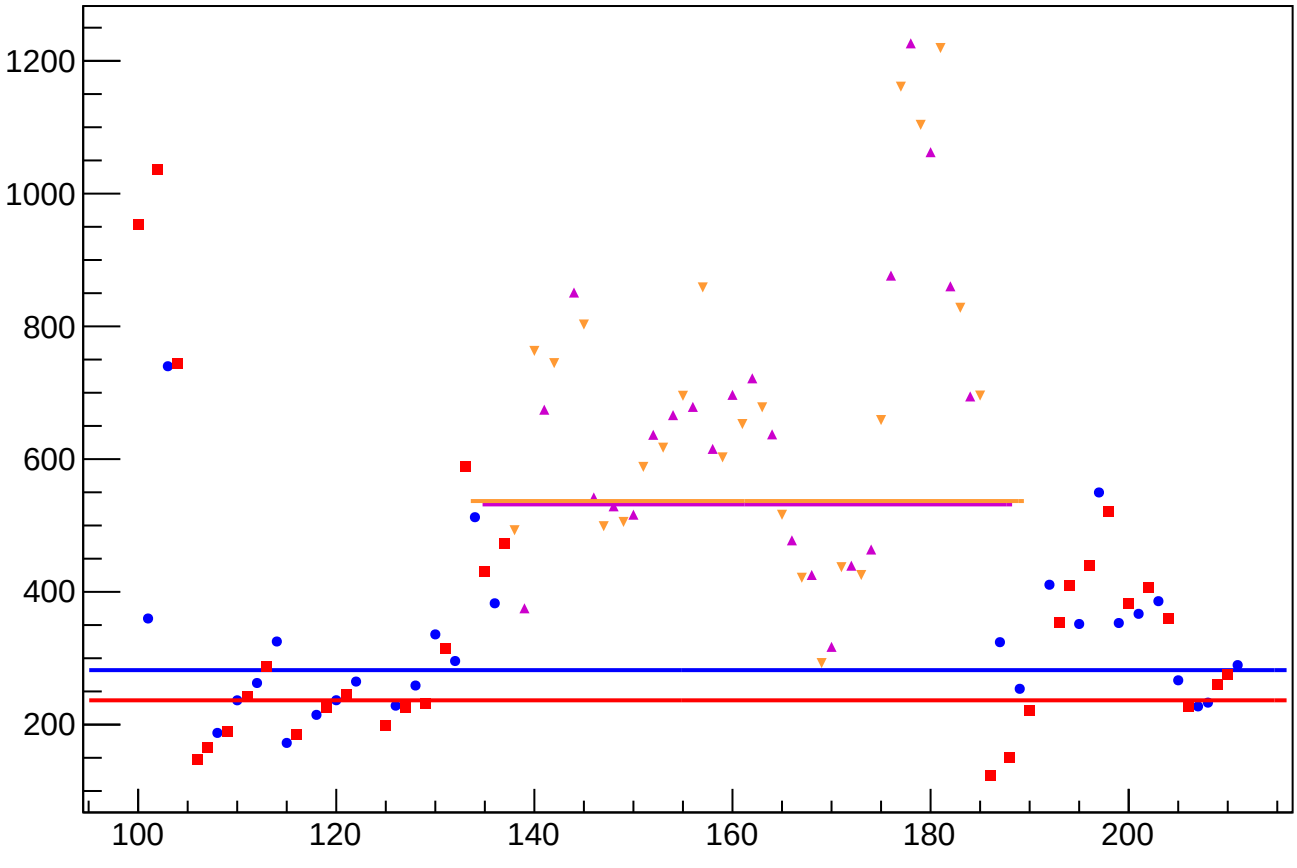
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.023+/-0.048 χ^2/NDF: 63.3/58

In: 0.055+/-0.064 χ^2/NDF:51.9/50

Out: -0.051+/-0.057 χ^2/NDF:67.8/54

All: -0.004+/-0.043 χ^2/NDF: 121.2/105



Right In: 282.086+/-0.052 χ^2/NDF: 2422159.4/27

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 236.601+/-0.045 χ^2/NDF: 5237728.8/30

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

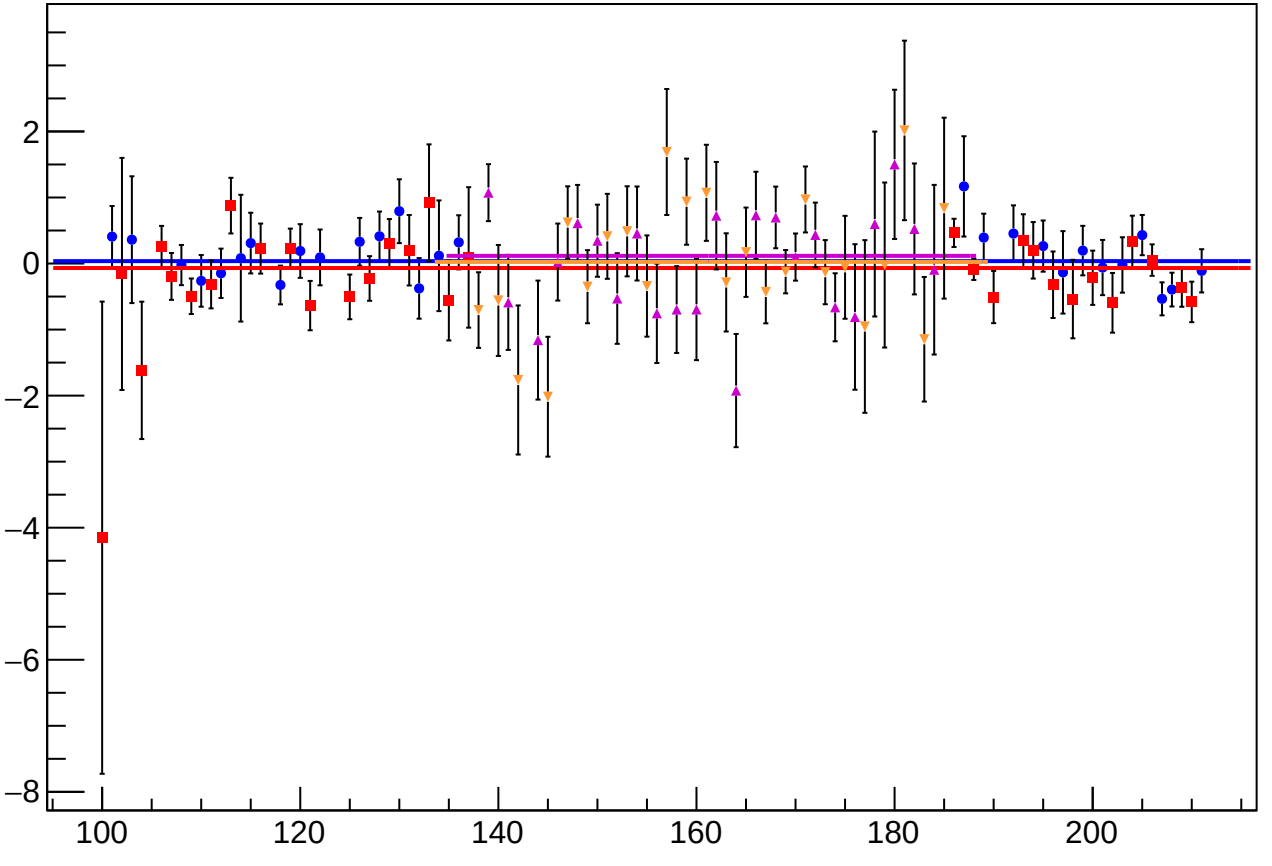
Right: 255.981+/-0.034 χ^2/NDF: 8098112.9/58

In: 341.004+/-0.045 χ^2/NDF:11232506.3/50

Out: 291.575+/-0.041 χ^2/NDF:17405518.2/54

All: 313.448+/-0.030 χ^2/NDF: 29295962.9/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.068+/-0.063 χ^2/NDF: 38.3/30

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

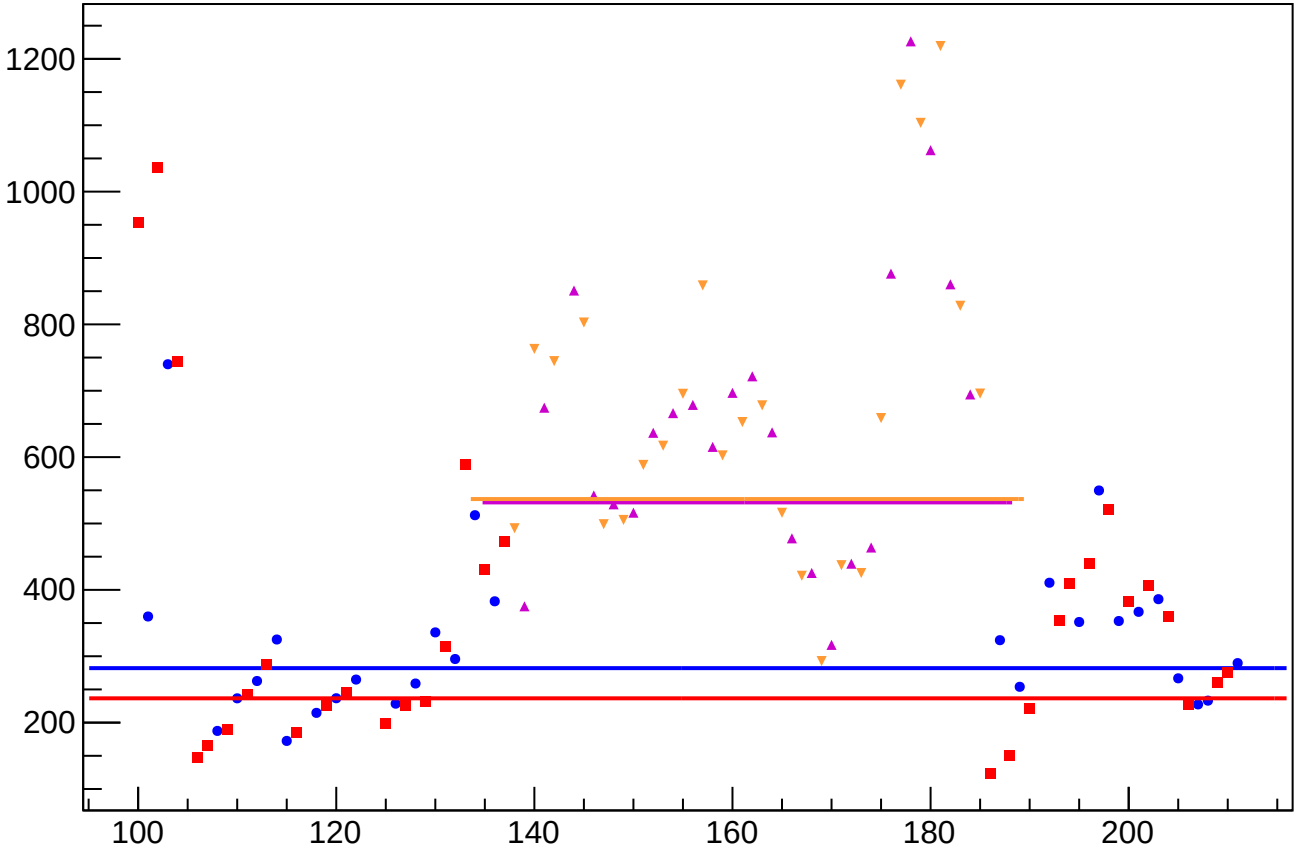
Right: -0.023+/-0.048 χ^2/NDF: 63.3/58

In: 0.055+/-0.064 χ^2/NDF:51.9/50

Out: -0.051+/-0.057 χ^2/NDF:67.8/54

All: -0.004+/-0.043 χ^2/NDF: 121.2/105

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 282.086+/-0.052 χ^2/NDF: 2422159.4/27

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 236.601+/-0.045 χ^2/NDF: 5237728.8/30

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

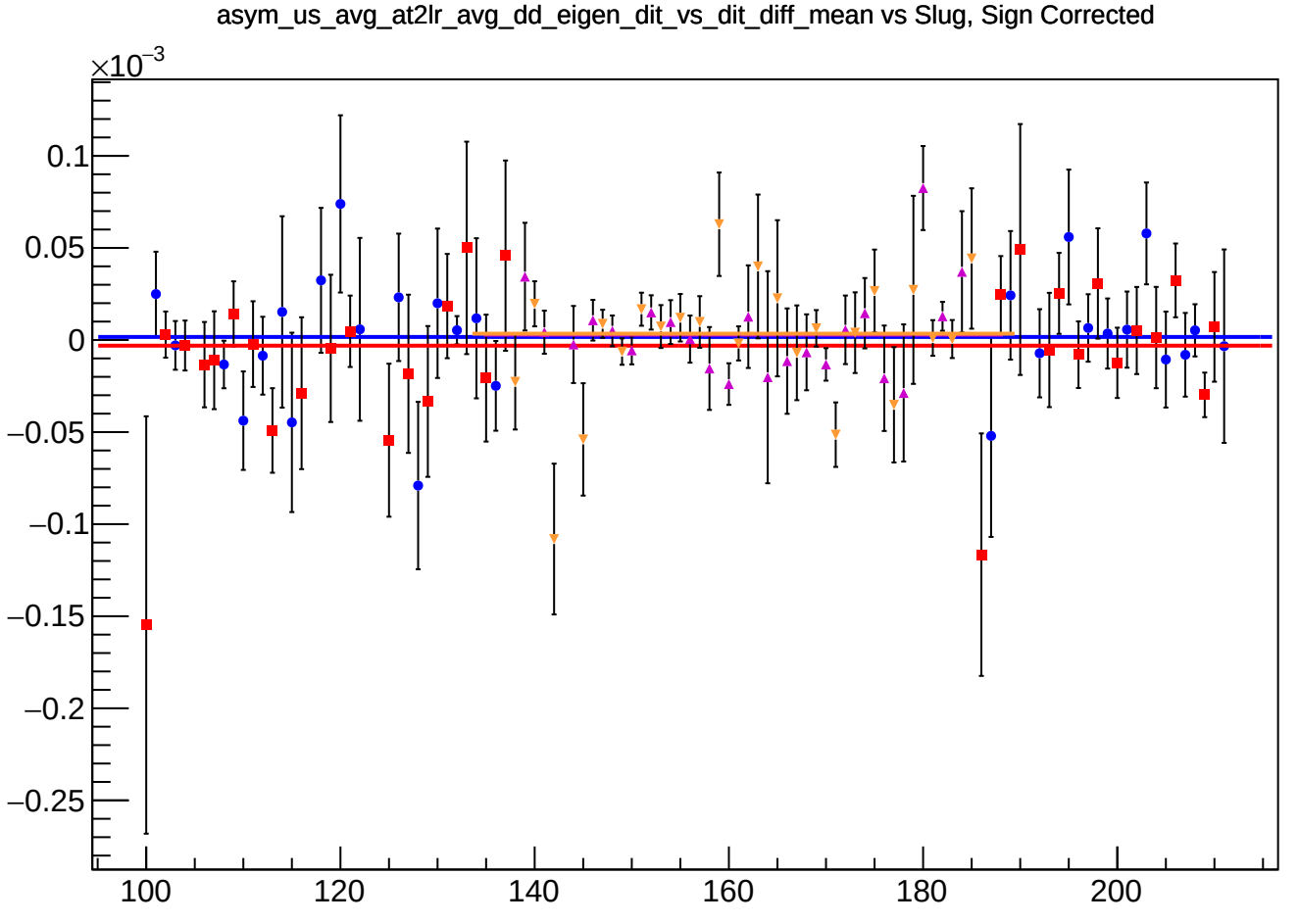
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 255.981+/-0.034 χ^2/NDF: 8098112.9/58

In: 341.004+/-0.045 χ^2/NDF:11232506.3/50

Out: 291.575+/-0.041 χ^2/NDF:17405518.2/54

All: 313.448+/-0.030 χ^2/NDF: 29295962.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

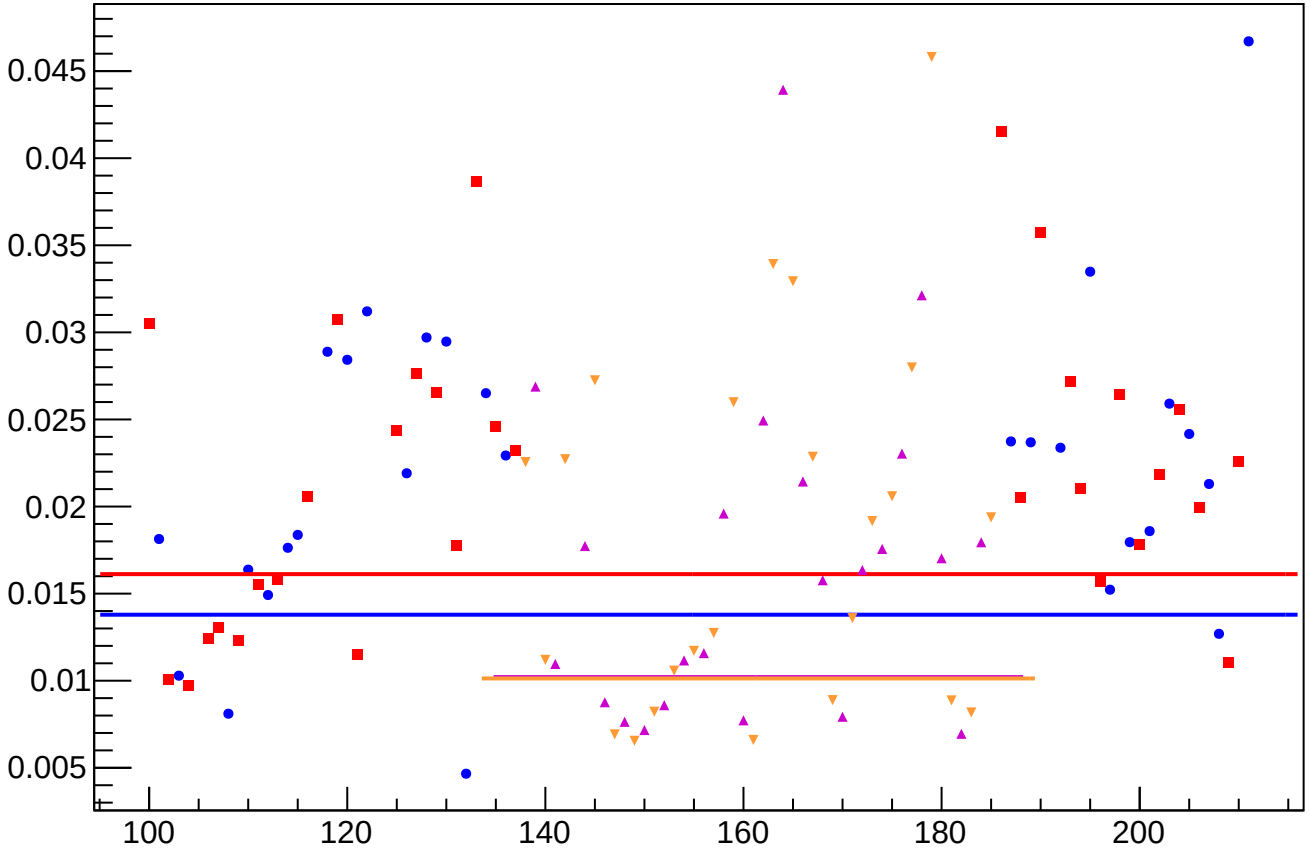
Right: -0.000+/-0.000 χ^2/NDF: 53.2/58

In: 0.000+/-0.000 χ^2/NDF:55.4/50

Out: 0.000+/-0.000 χ^2/NDF:70.2/54

All: 0.000+/-0.000 χ^2/NDF: 125.6/105

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: 8372244.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 4363393.9/30

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

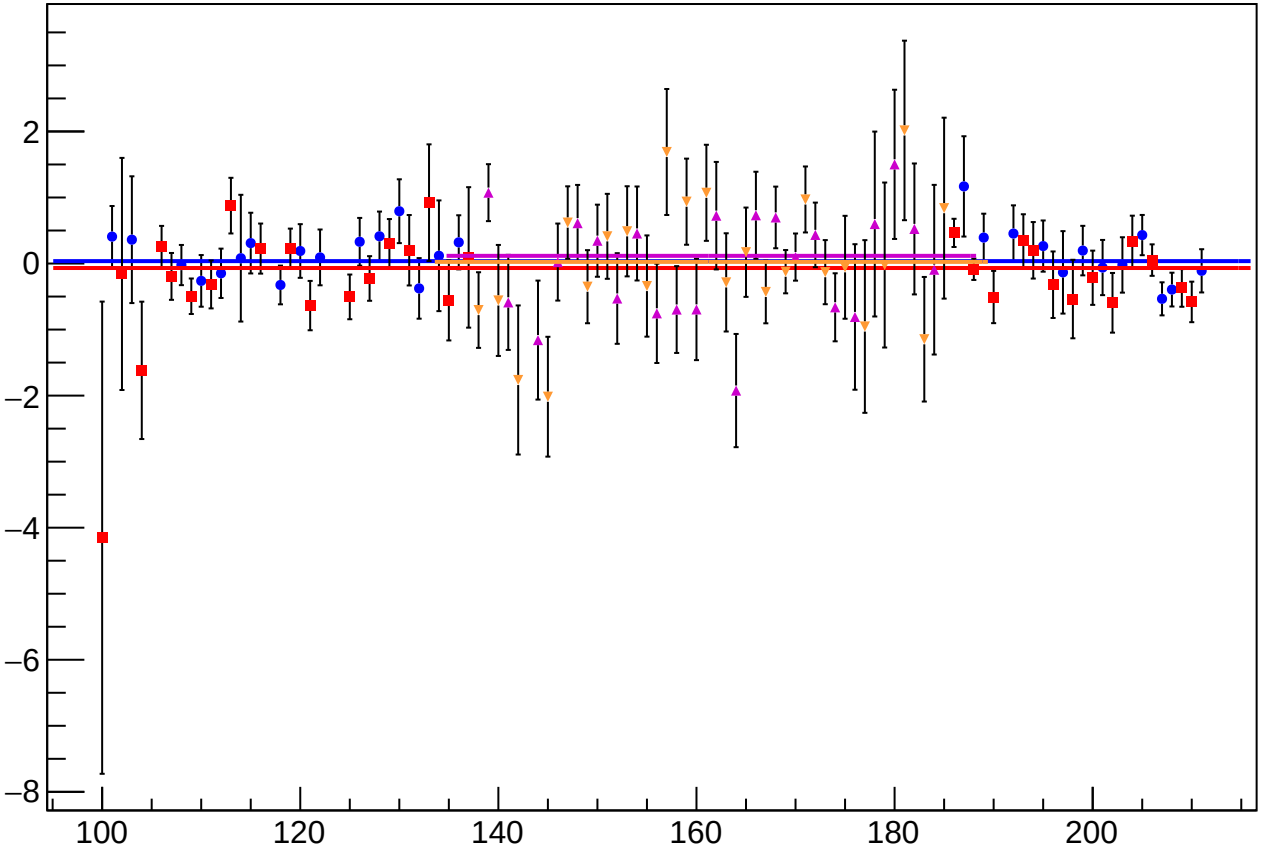
Right: 0.015+/-0.000 χ^2/NDF: 13058128.9/58

In: 0.011+/-0.000 χ^2/NDF:15530088.6/50

Out: 0.012+/-0.000 χ^2/NDF:15027976.1/54

All: 0.012+/-0.000 χ^2/NDF: 30616513.2/105

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.068+/-0.063 χ^2/NDF: 38.3/30

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

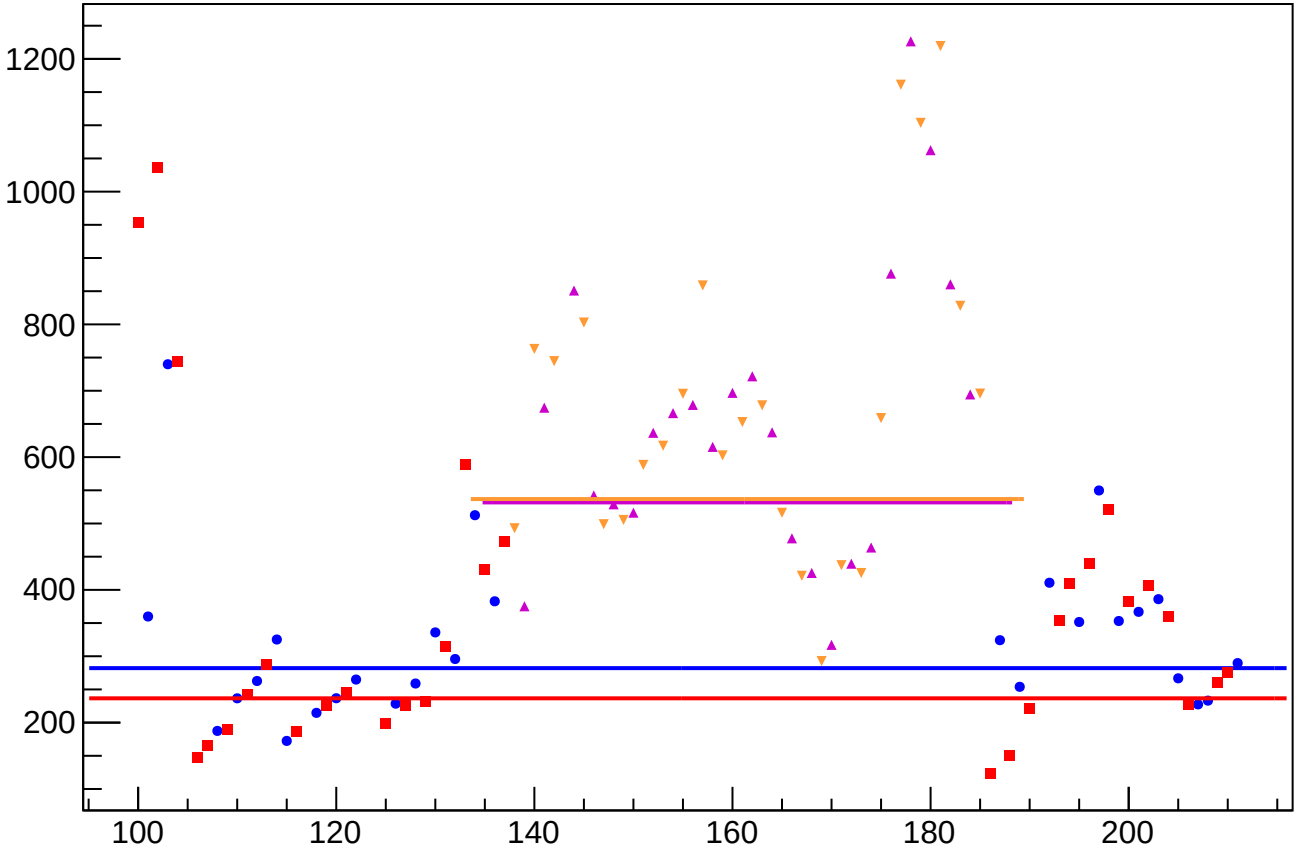
Right: -0.023+/-0.048 χ^2/NDF: 63.3/58

In: 0.055+/-0.064 χ^2/NDF:51.9/50

Out: -0.051+/-0.057 χ^2/NDF:67.8/54

All: -0.004+/-0.043 χ^2/NDF: 121.2/105

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 282.086+/-0.052 χ^2/NDF: 2422155.1/27

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 236.598+/-0.045 χ^2/NDF: 5237868.6/30

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

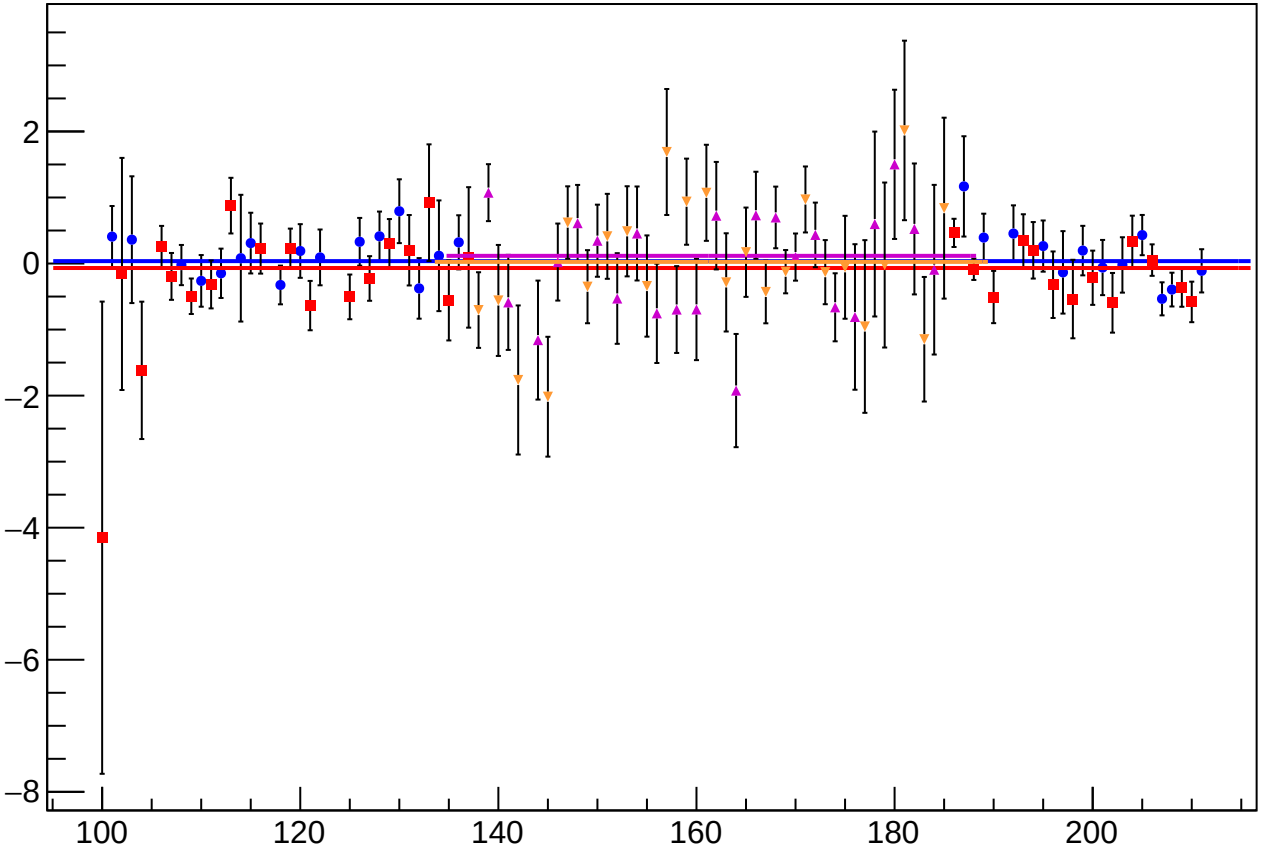
Right: 255.979+/-0.034 χ^2/NDF: 8098293.7/58

In: 341.003+/-0.045 χ^2/NDF:11232684.5/50

Out: 291.572+/-0.041 χ^2/NDF:17405981.4/54

All: 313.446+/-0.030 χ^2/NDF: 29296680.6/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.074 χ^2/NDF: 23.8/27

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.068+/-0.063 χ^2/NDF: 38.3/30

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

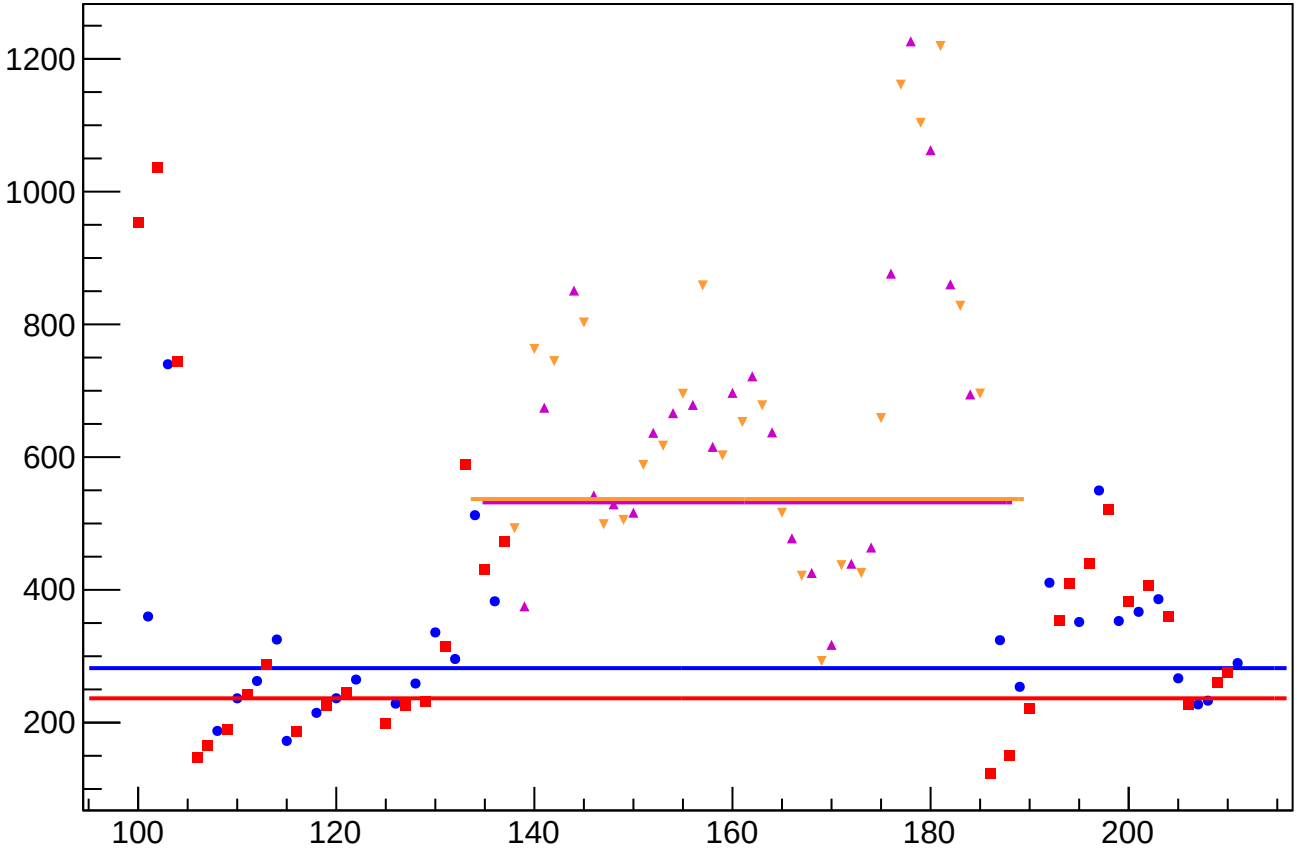
Right: -0.023+/-0.048 χ^2/NDF: 63.3/58

In: 0.055+/-0.064 χ^2/NDF:51.9/50

Out: -0.051+/-0.057 χ^2/NDF:67.8/54

All: -0.004+/-0.043 χ^2/NDF: 121.2/105

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 282.086+/-0.052 χ^2/NDF: 2422155.1/27

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 236.598+/-0.045 χ^2/NDF: 5237868.6/30

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

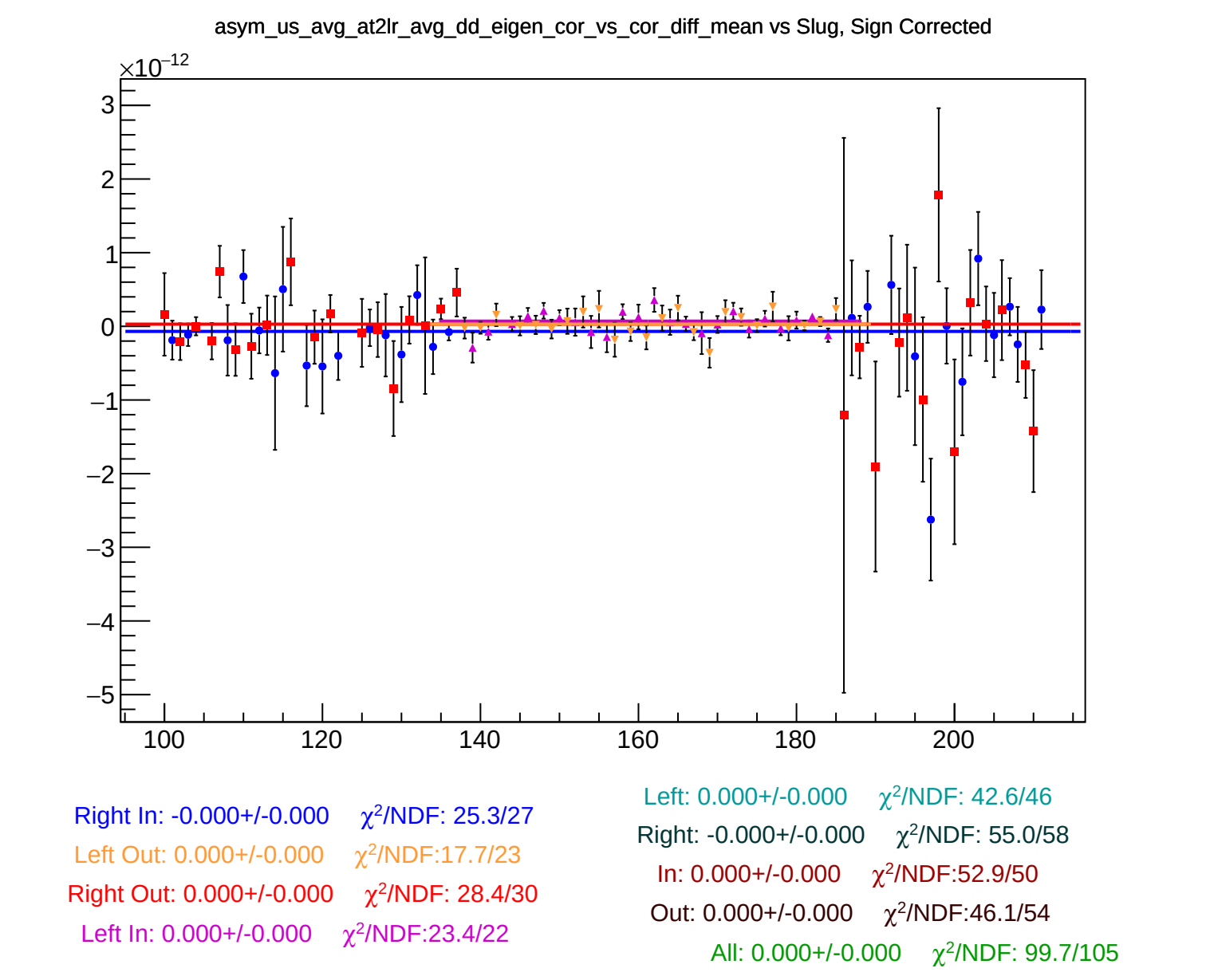
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 255.979+/-0.034 χ^2/NDF: 8098293.7/58

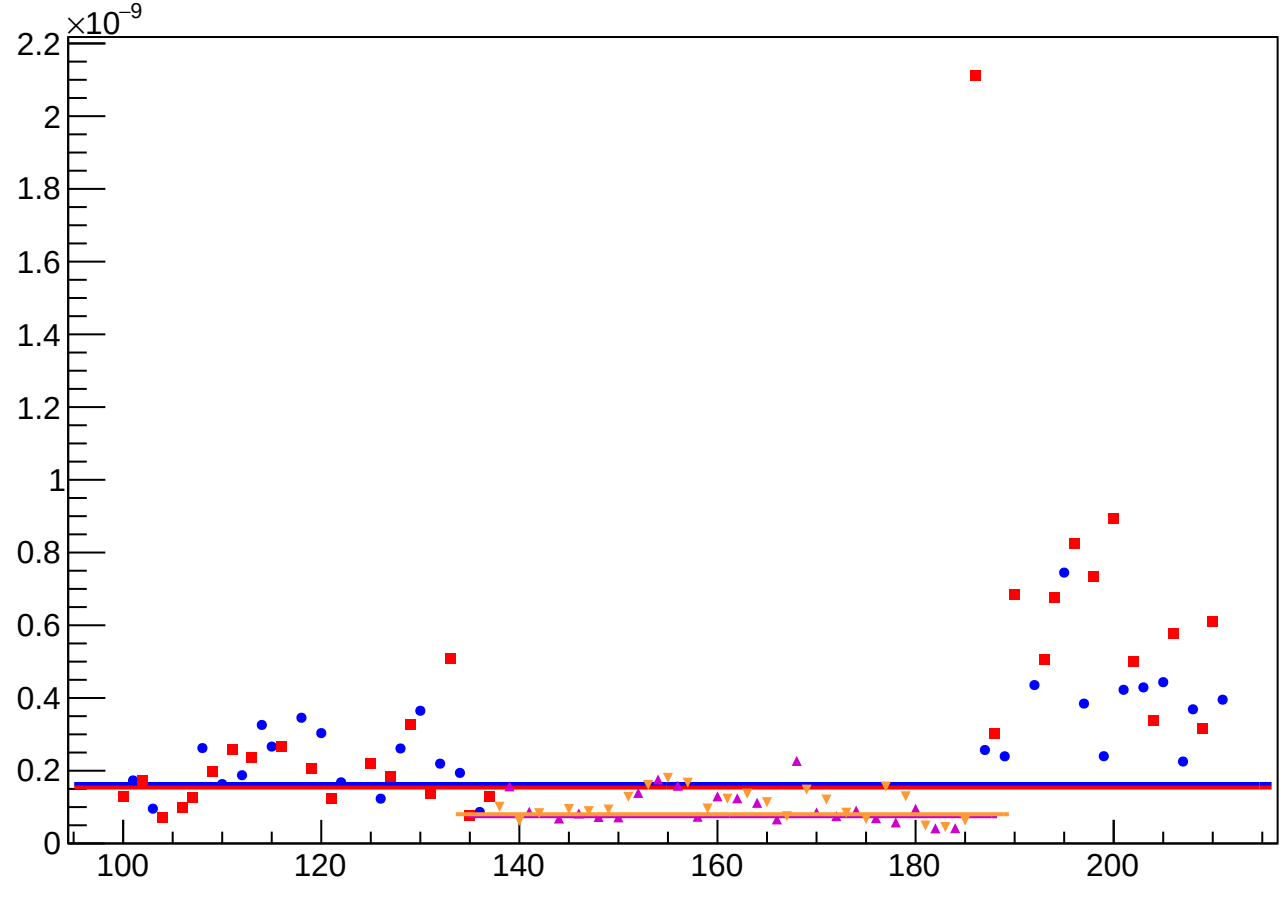
In: 341.003+/-0.045 χ^2/NDF:11232684.5/50

Out: 291.572+/-0.041 χ^2/NDF:17405981.4/54

All: 313.446+/-0.030 χ^2/NDF: 29296680.6/10


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.3/27
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.4/30
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 55.0/58
In: 0.000+/-0.000 χ²/NDF:52.9/50
Out: 0.000+/-0.000 χ²/NDF:46.1/54
All: 0.000+/-0.000 χ²/NDF: 99.7/105

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5067531.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8852963.2/30

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

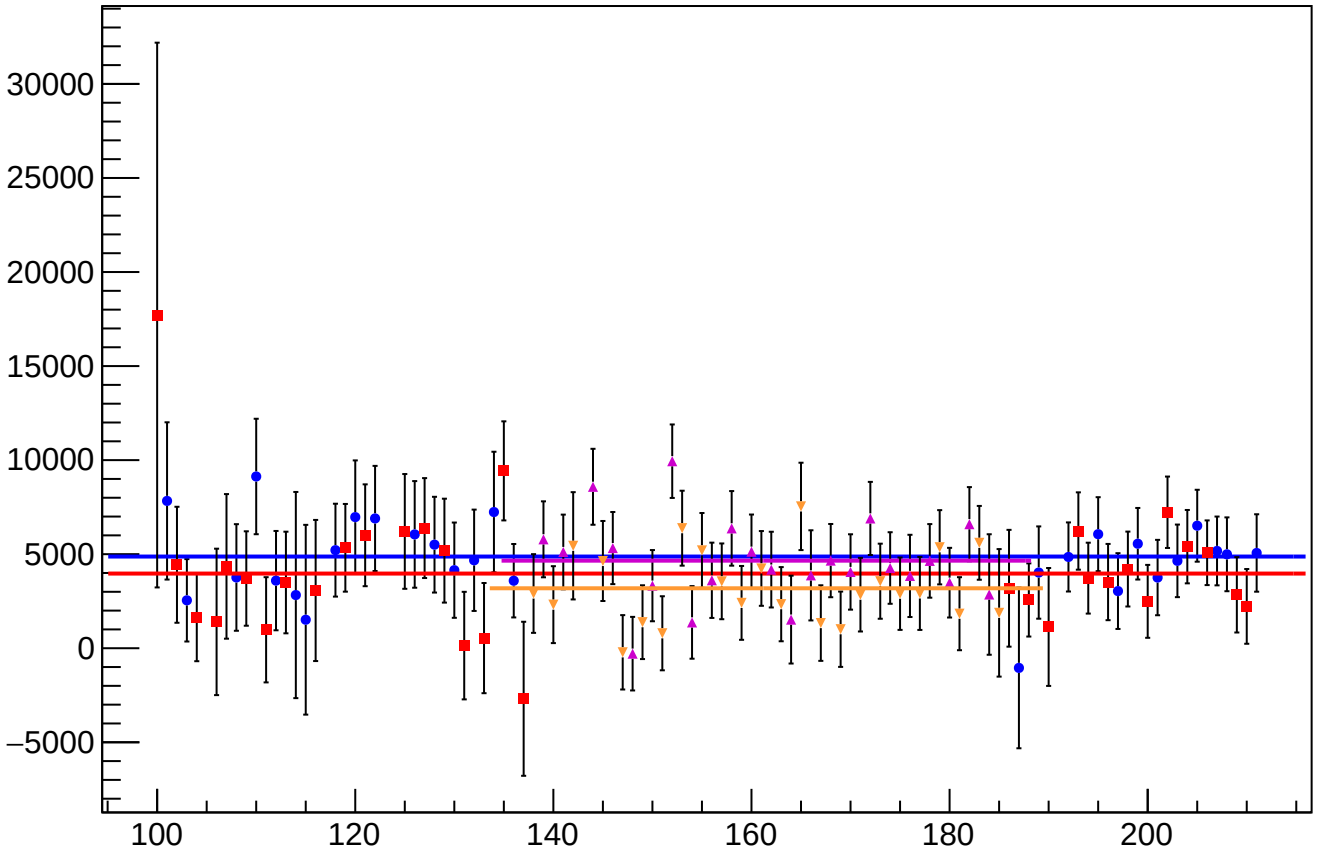
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 13945140.0/58

In: 0.000+/-0.000 χ^2/NDF:12139670.5/50

Out: 0.000+/-0.000 χ^2/NDF:15052335.0/54

All: 0.000+/-0.000 χ^2/NDF: 27246111.5/105



Right In: 4874.066+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3969.120+/-438.664 χ^2/NDF: 24.5/30

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

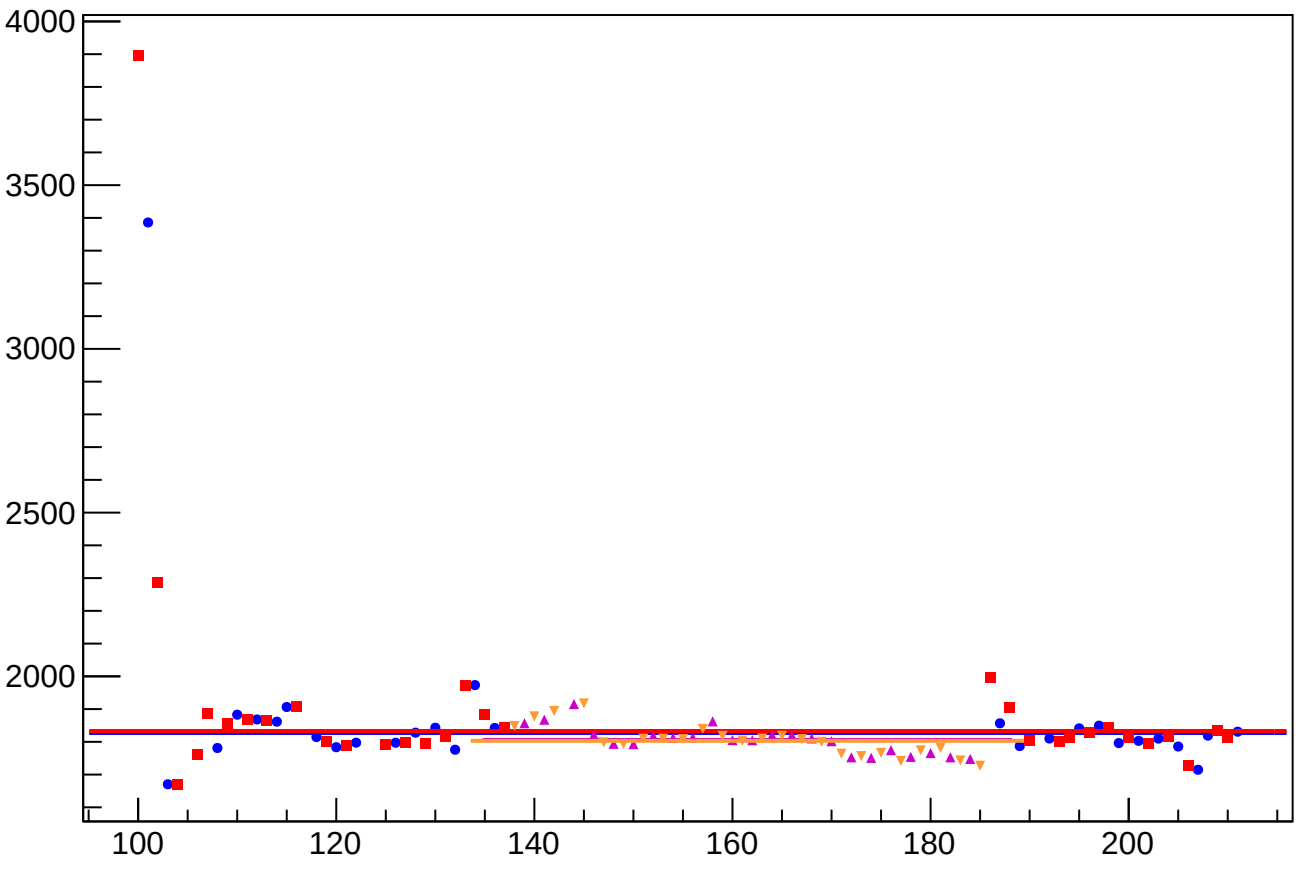
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4409.761+/-314.212 χ^2/NDF: 37.8/58

In: 4757.466+/-307.795 χ^2/NDF:39.2/50

Out: 3559.847+/-302.847 χ^2/NDF:46.0/54

All: 4148.953+/-215.873 χ^2/NDF: 92.8/105



Right In: 1827.120+/-0.318 χ^2/NDF: 307280.0/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1833.140+/-0.310 χ^2/NDF: 121597.1/30

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

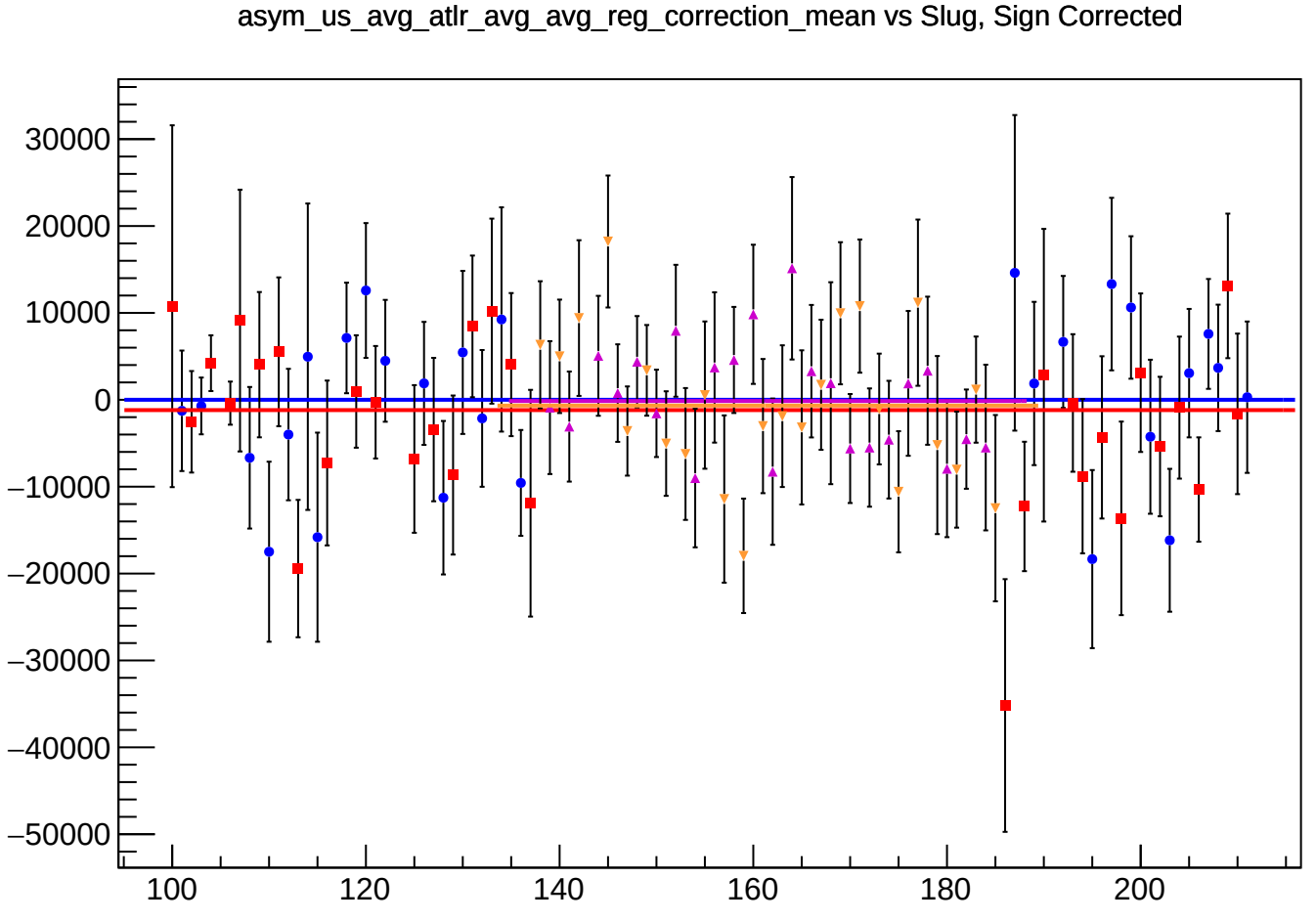
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.212+/-0.222 χ^2/NDF: 429060.8/58

In: 1815.633+/-0.218 χ^2/NDF:329037.8/50

Out: 1817.444+/-0.214 χ^2/NDF:147148.4/54

All: 1816.554+/-0.153 χ^2/NDF: 476221.5/105



Right In: 1.841+/-1427.923 χ^2/NDF: 29.2/27

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1186.842+/-1236.459 χ^2/NDF: 31.1/30

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

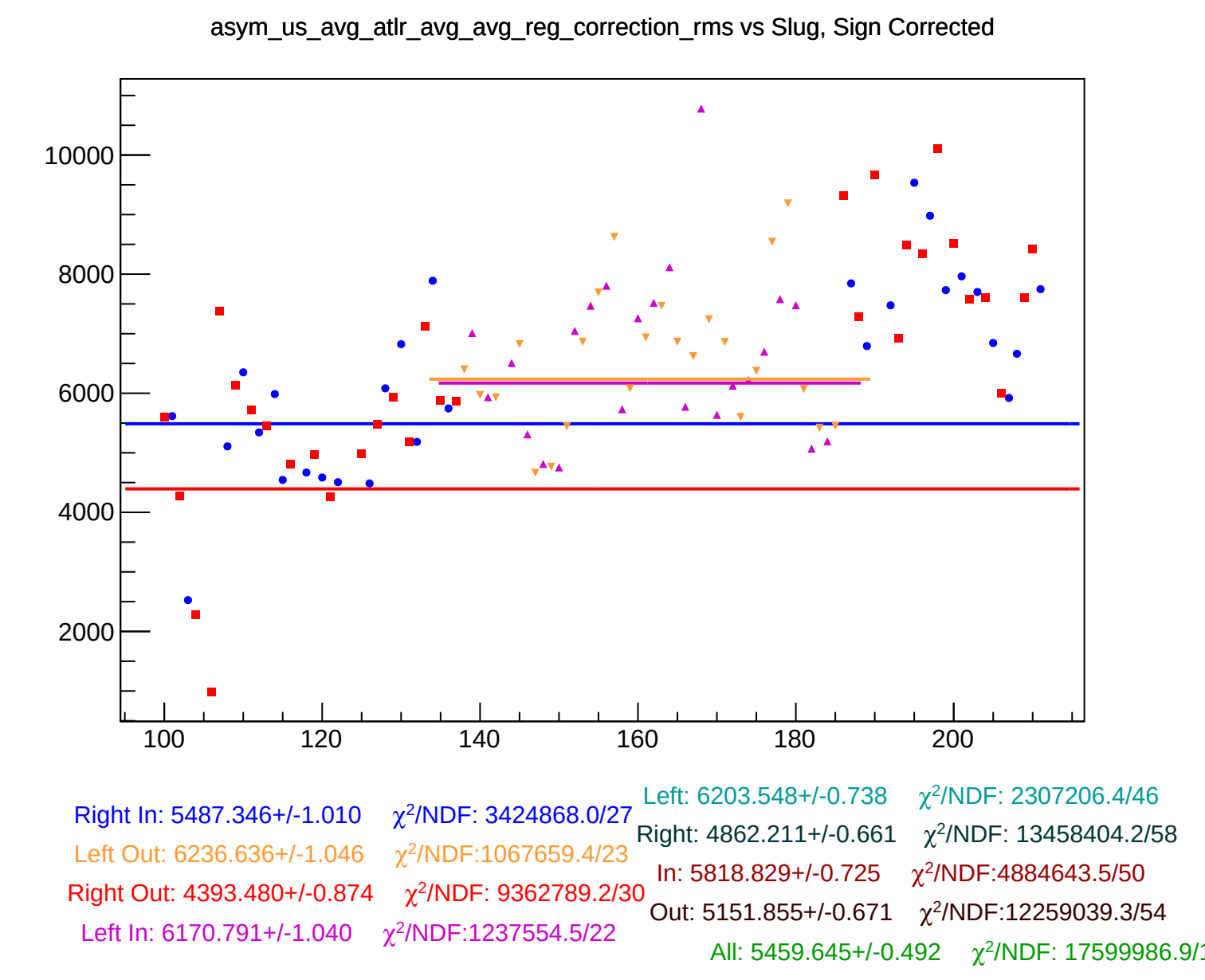
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

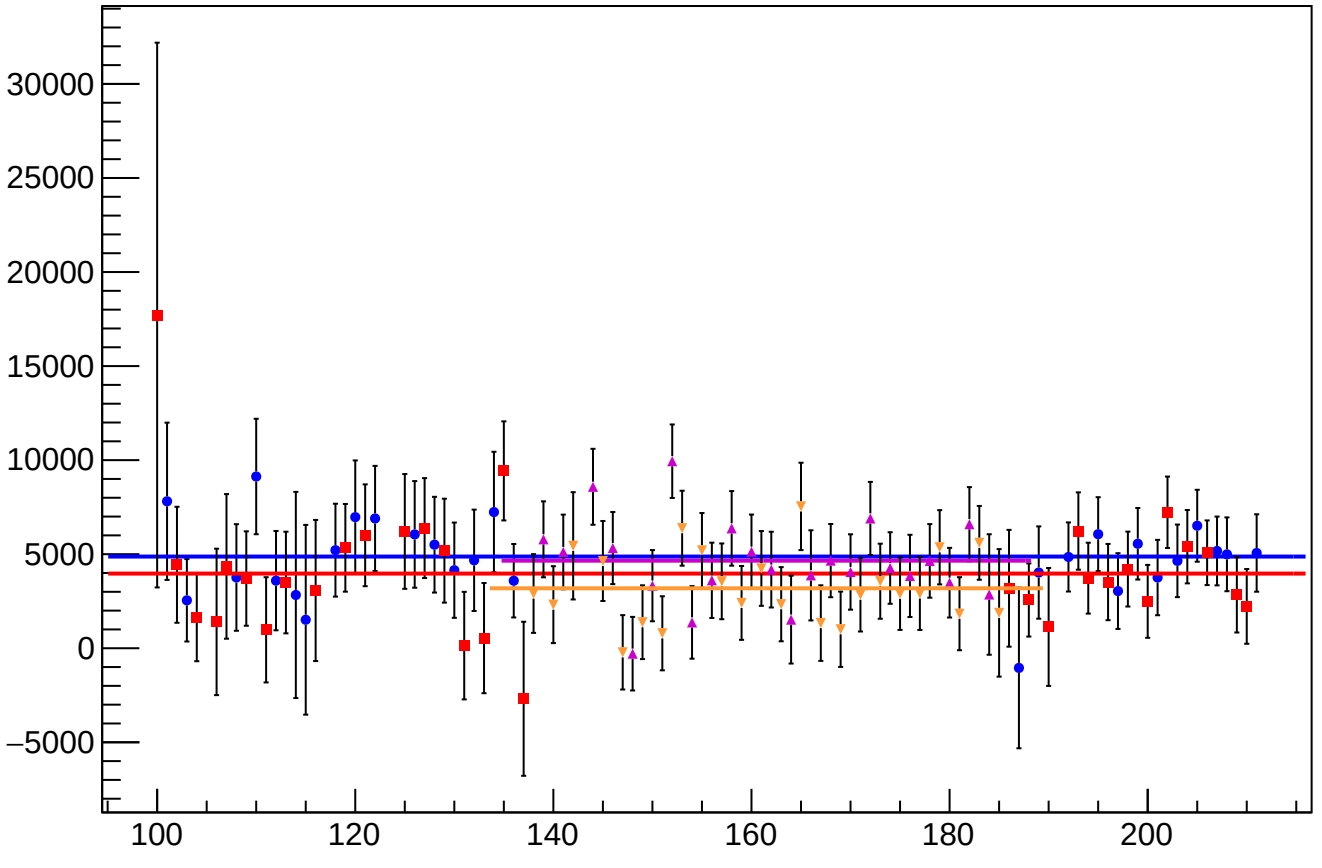
Right: -677.481+/-934.727 χ^2/NDF: 60.6/58

In: -68.620+/-1024.710 χ^2/NDF:42.7/50

Out: -973.051+/-948.571 χ^2/NDF:60.9/54

All: -555.681+/-696.104 χ^2/NDF: 104.1/105


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5487.346+/-1.010 χ²/NDF: 3424868.0/27
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4393.480+/-0.874 χ²/NDF: 9362789.2/30
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4862.211+/-0.661 χ²/NDF: 13458404.2/58
In: 5818.829+/-0.725 χ²/NDF:4884643.5/50
Out: 5151.855+/-0.671 χ²/NDF:12259039.3/54
All: 5459.645+/-0.492 χ²/NDF: 17599986.9/1



Right In: 4873.884+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3969.038+/-438.664 χ^2/NDF: 24.5/30

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

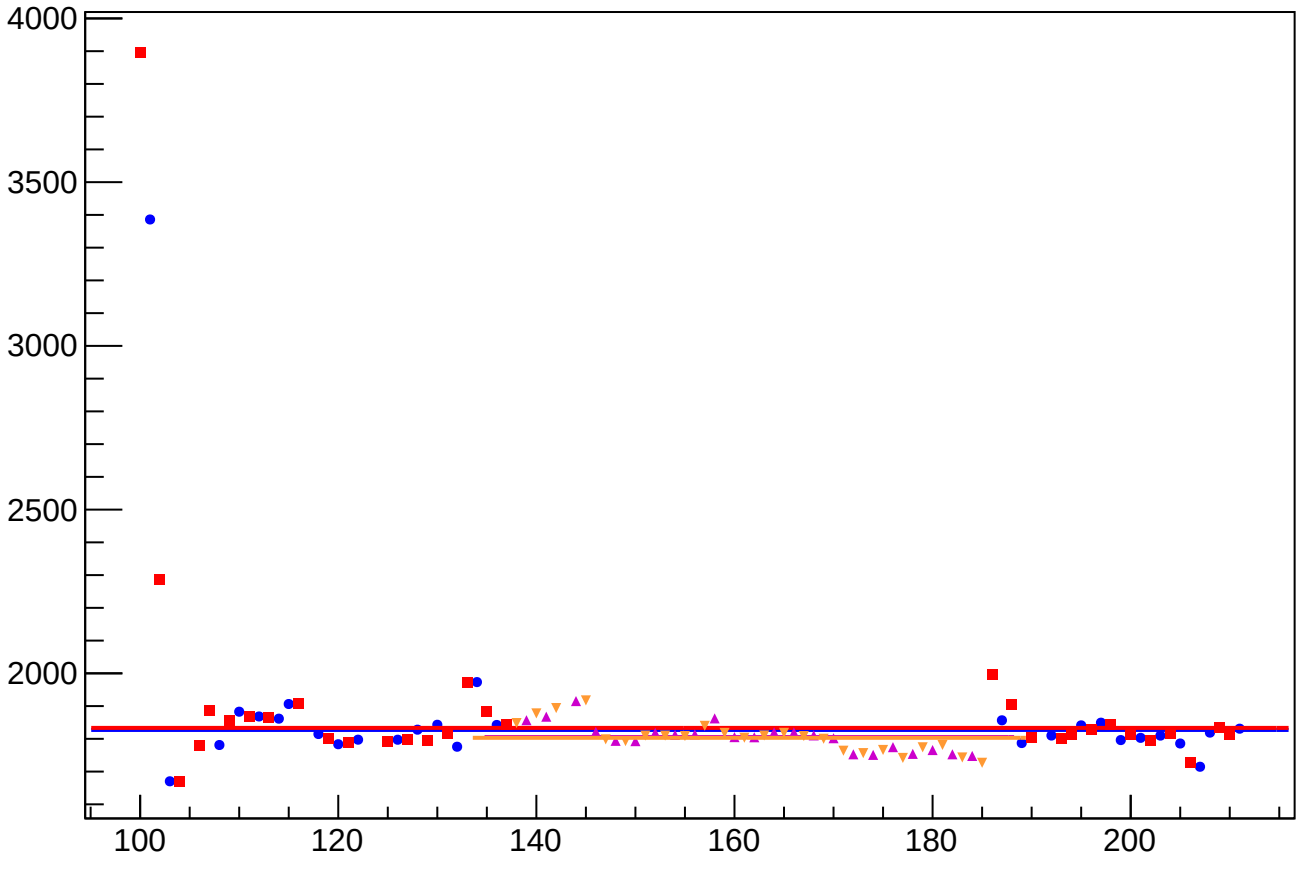
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4409.630+/-314.212 χ^2/NDF: 37.8/58

In: 4757.391+/-307.795 χ^2/NDF:39.1/50

Out: 3559.772+/-302.847 χ^2/NDF:46.0/54

All: 4148.879+/-215.873 χ^2/NDF: 92.8/105



Right In: 1827.120+/-0.318 χ^2/NDF: 307281.9/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1833.417+/-0.310 χ^2/NDF: 121246.3/30

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

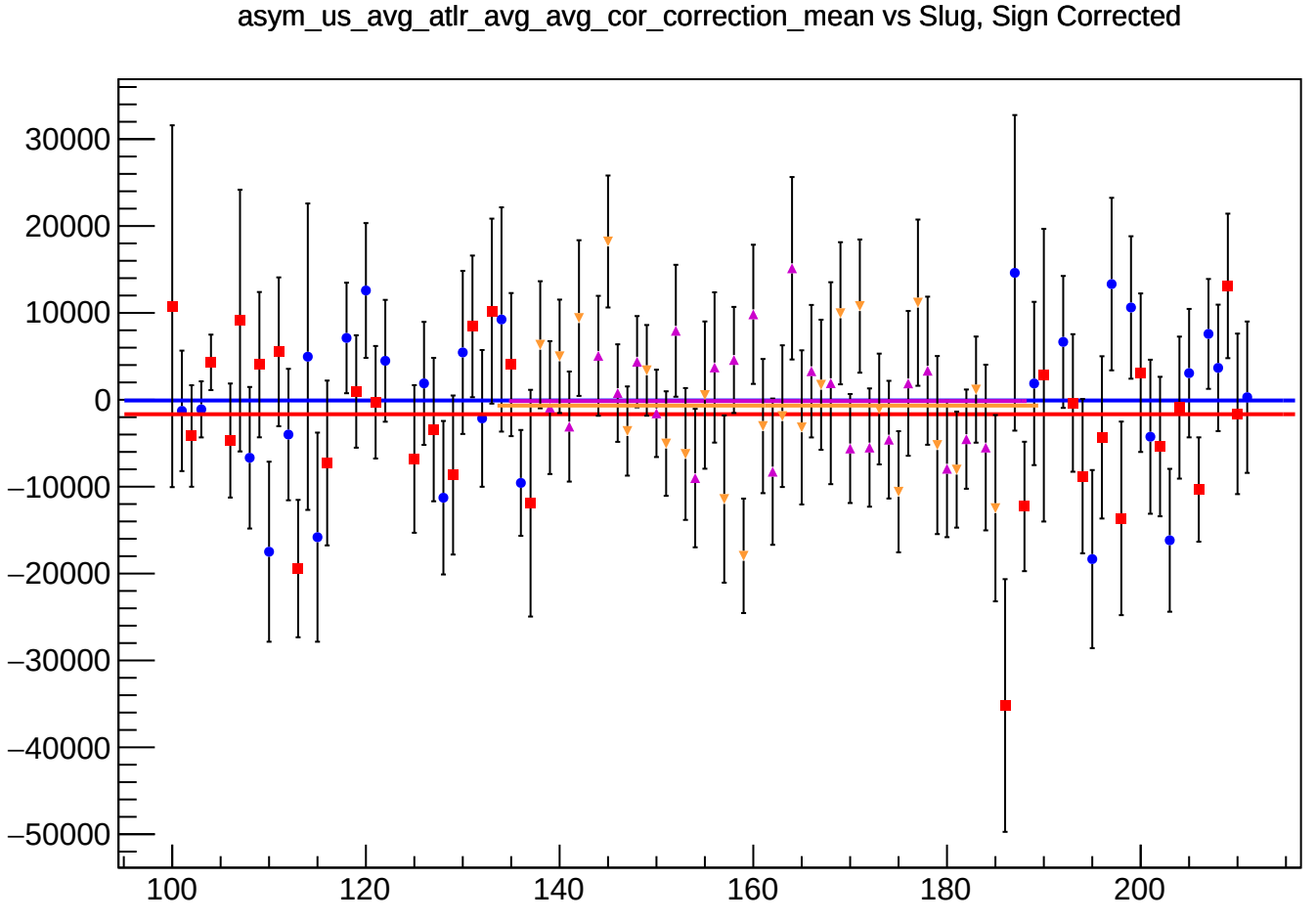
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.354+/-0.222 χ^2/NDF: 428729.1/58

In: 1815.633+/-0.218 χ^2/NDF:329039.7/50

Out: 1817.574+/-0.214 χ^2/NDF:146887.8/54

All: 1816.620+/-0.153 χ^2/NDF: 475967.9/105



Right In: -78.573+/-1424.574 χ^2/NDF: 29.2/27

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1661.407+/-1392.287 χ^2/NDF: 31.5/30

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

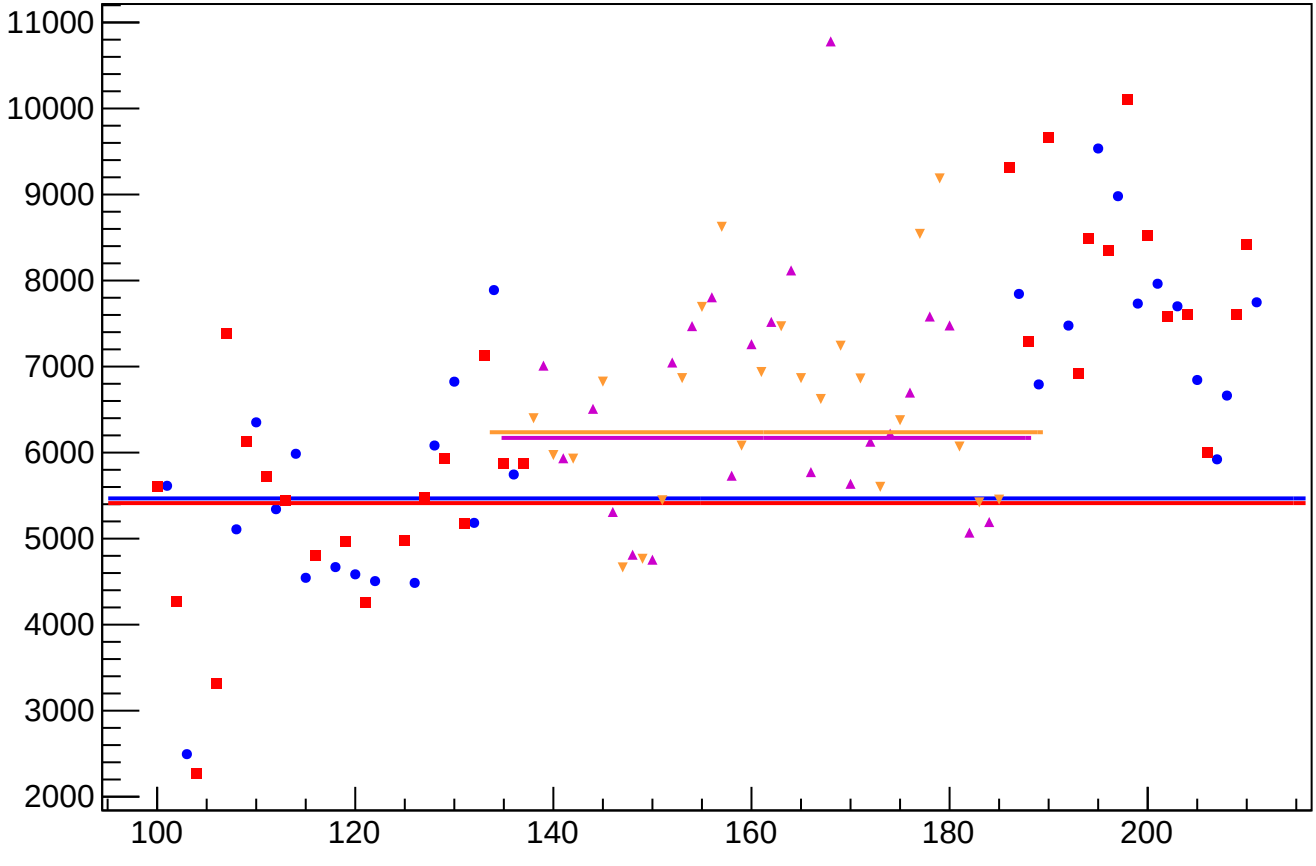
Right: -888.130+/-995.714 χ^2/NDF: 61.3/58

In: -109.924+/-1023.470 χ^2/NDF:42.8/50

Out: -1194.255+/-1013.700 χ^2/NDF:61.5/54

All: -657.290+/-720.224 χ^2/NDF: 104.9/105

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5467.460+/-1.007 χ^2/NDF: 3500034.5/27

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5412.887+/-0.984 χ^2/NDF: 4580553.8/30

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

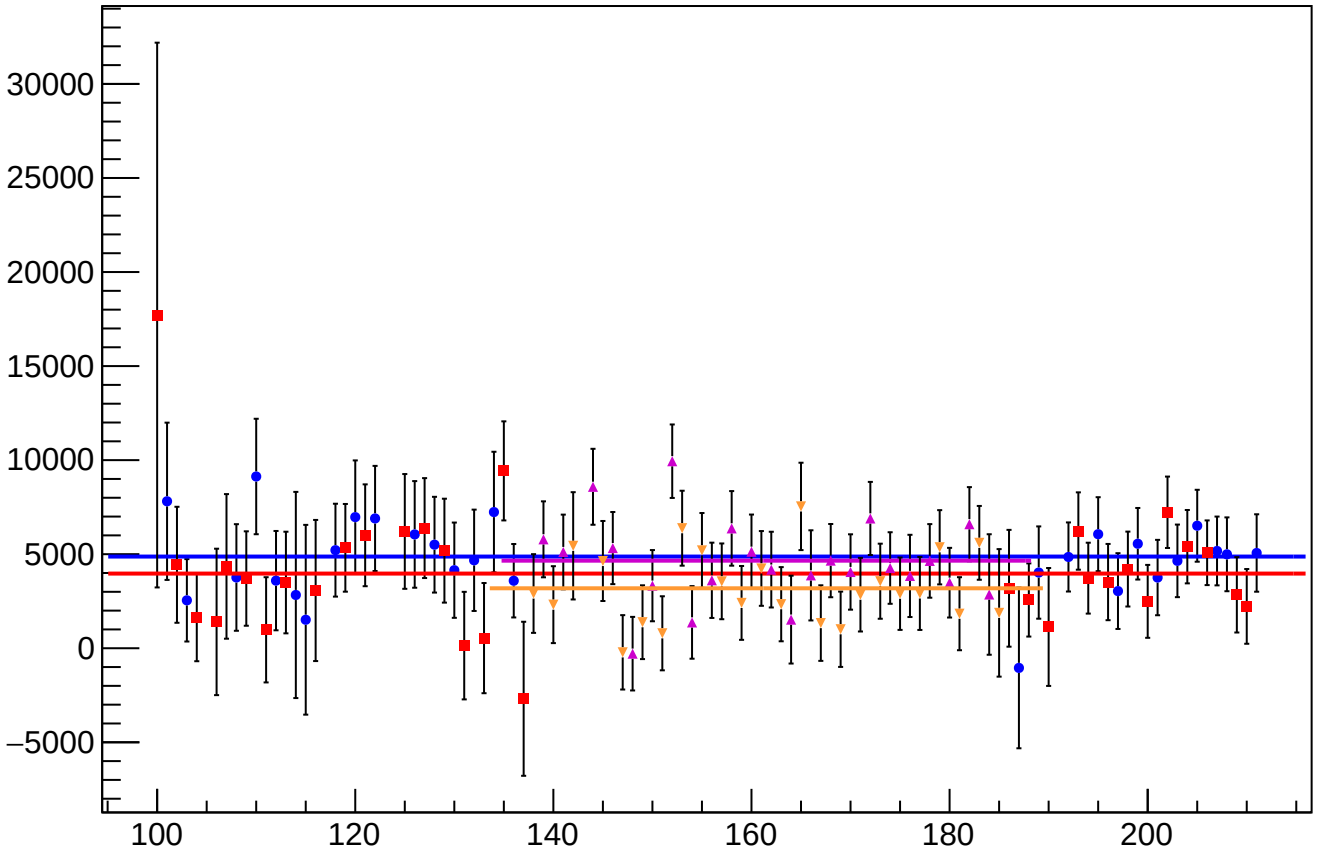
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5439.548+/-0.704 χ^2/NDF: 8082089.5/58

In: 5807.762+/-0.724 χ^2/NDF:4973474.7/50

Out: 5799.963+/-0.717 χ^2/NDF:5977193.6/54

All: 5803.825+/-0.509 χ^2/NDF: 10950726.9/1



Right In: 4873.884+/-450.289 χ^2/NDF: 11.3/27

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3969.038+/-438.664 χ^2/NDF: 24.5/30

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

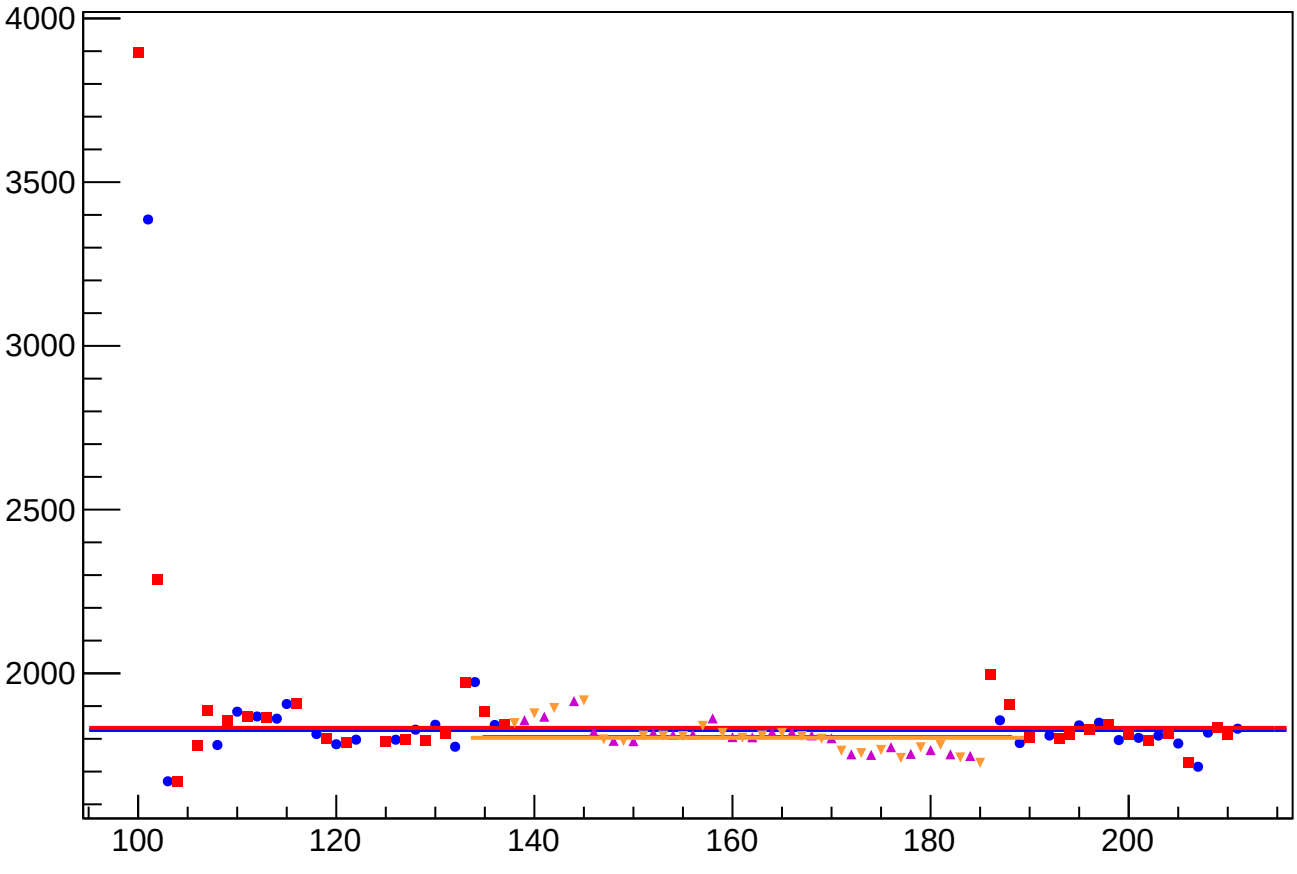
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4409.630+/-314.212 χ^2/NDF: 37.8/58

In: 4757.391+/-307.795 χ^2/NDF:39.1/50

Out: 3559.772+/-302.847 χ^2/NDF:46.0/54

All: 4148.879+/-215.873 χ^2/NDF: 92.8/105



Right In: 1827.120+/-0.318 χ^2/NDF: 307281.9/27

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1833.417+/-0.310 χ^2/NDF: 121246.3/30

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

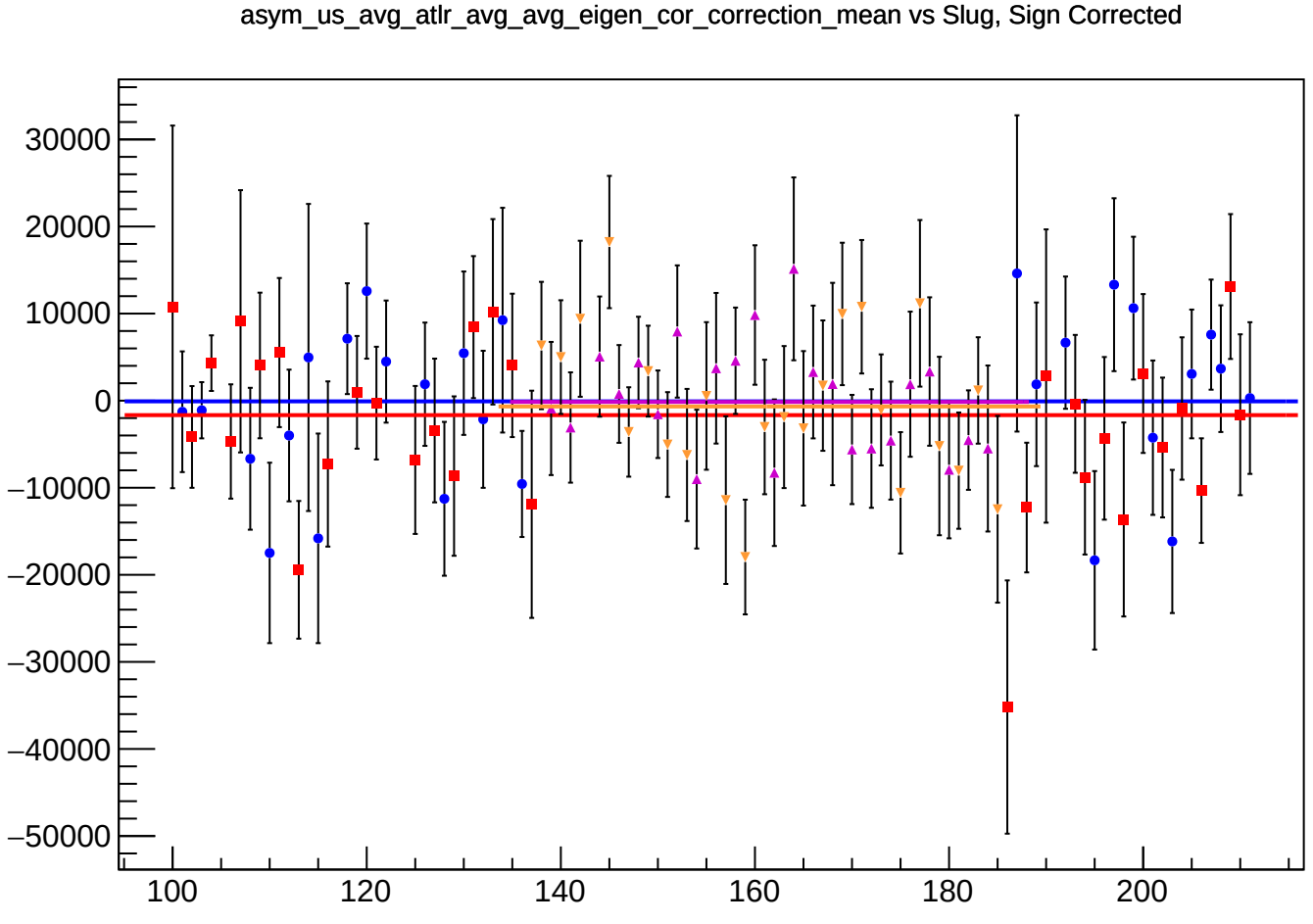
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.354+/-0.222 χ^2/NDF: 428729.1/58

In: 1815.633+/-0.218 χ^2/NDF:329039.7/50

Out: 1817.574+/-0.214 χ^2/NDF:146887.8/54

All: 1816.620+/-0.153 χ^2/NDF: 475967.9/105



Right In: -78.573+/-1424.574 χ^2/NDF: 29.2/27

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1661.407+/-1392.287 χ^2/NDF: 31.5/30

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

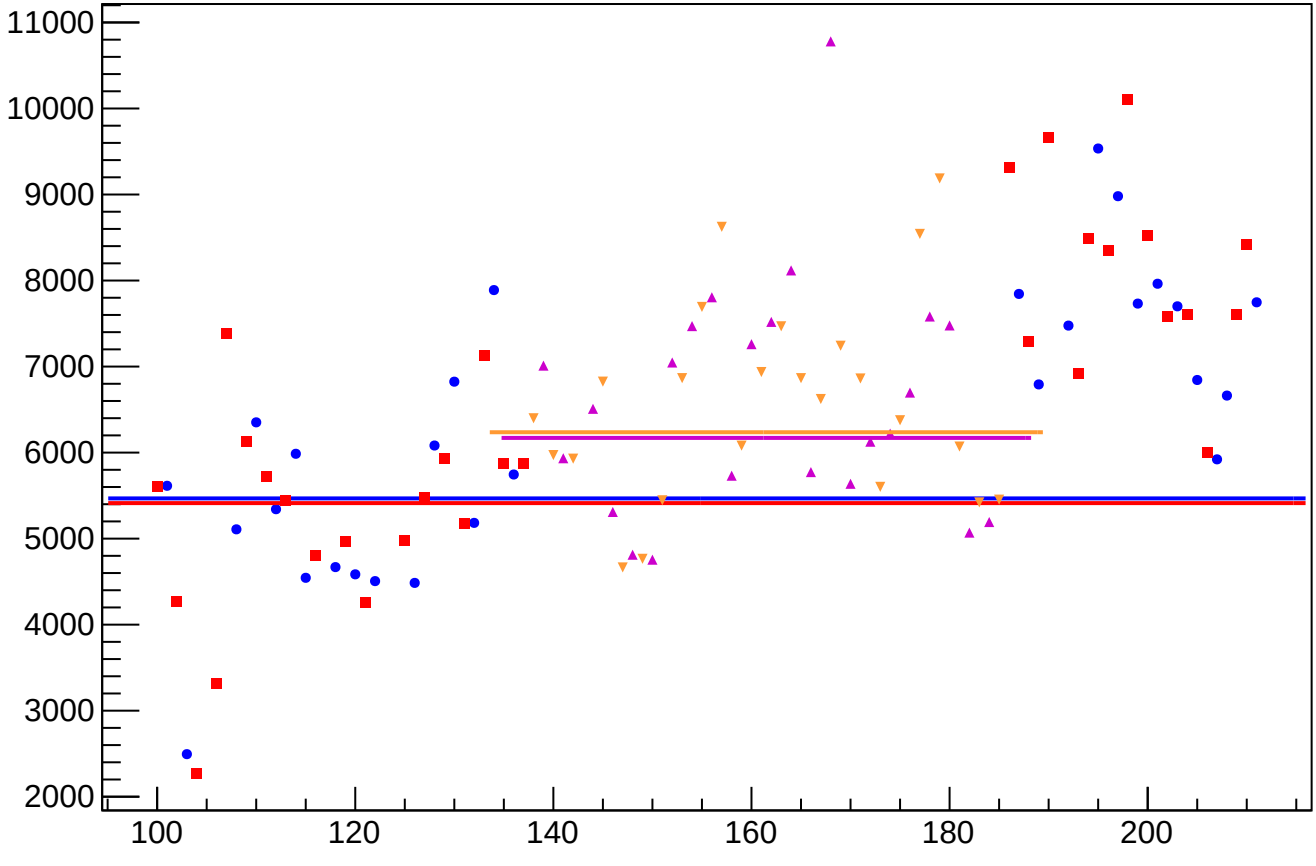
Right: -888.130+/-995.714 χ^2/NDF: 61.3/58

In: -109.924+/-1023.470 χ^2/NDF:42.8/50

Out: -1194.255+/-1013.700 χ^2/NDF:61.5/54

All: -657.290+/-720.224 χ^2/NDF: 104.9/105

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5467.460+/-1.007 χ^2/NDF: 3500034.5/27

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5412.887+/-0.984 χ^2/NDF: 4580553.8/30

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

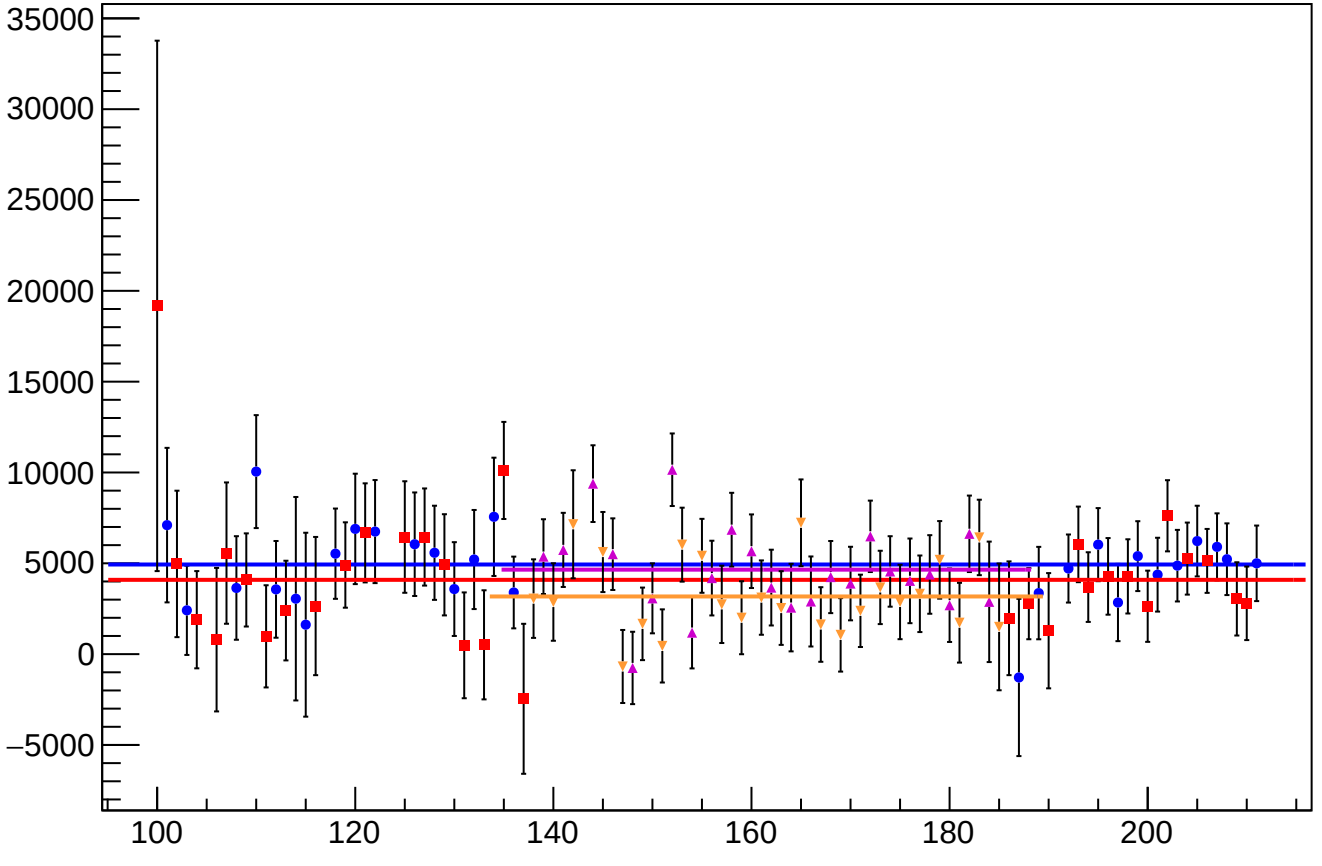
Right: 5439.548+/-0.704 χ^2/NDF: 8082089.5/58

In: 5807.762+/-0.724 χ^2/NDF:4973474.7/50

Out: 5799.963+/-0.717 χ^2/NDF:5977193.6/54

All: 5803.825+/-0.509 χ^2/NDF: 10950726.9/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4934.371+/-459.408 χ^2/NDF: 12.3/27

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4089.999+/-449.368 χ^2/NDF: 25.2/30

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

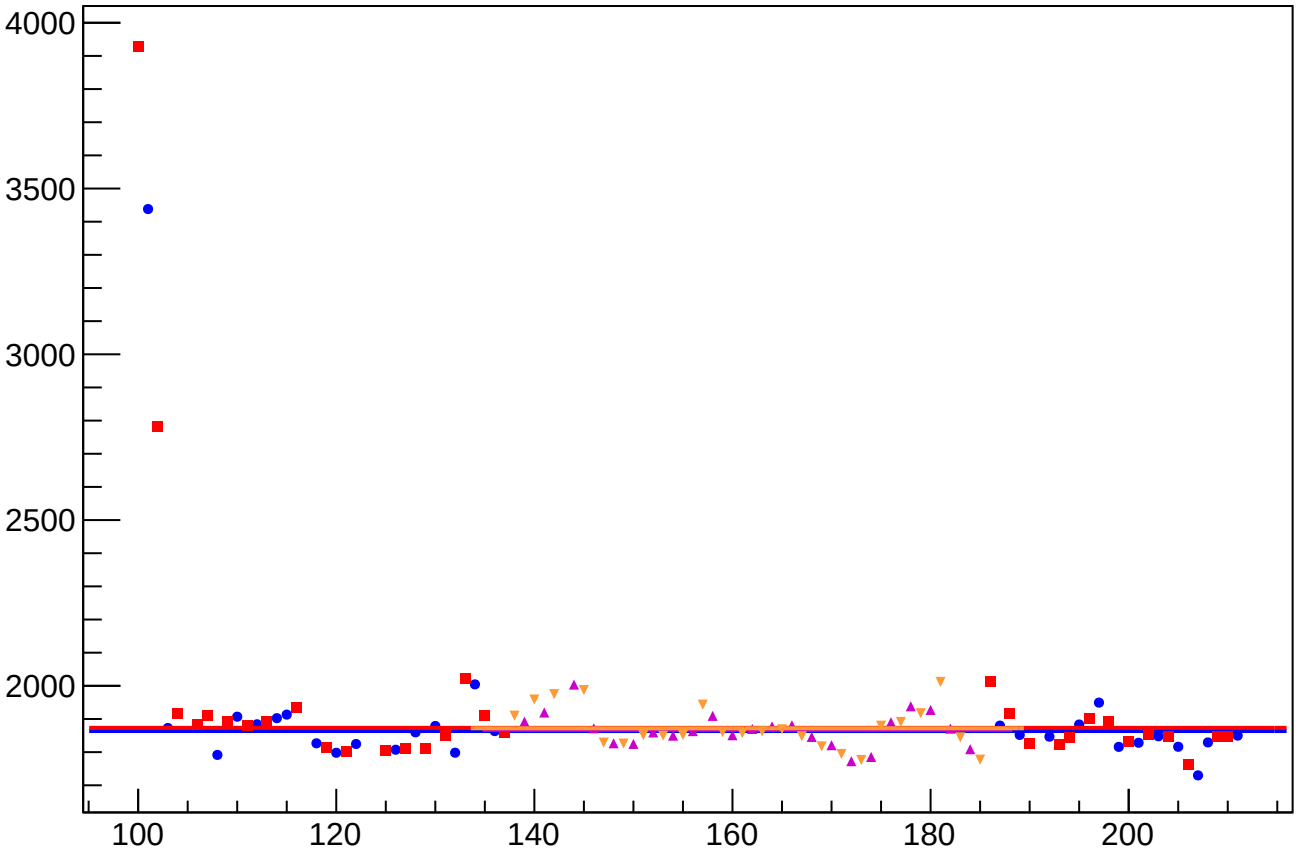
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4502.857+/-321.242 χ^2/NDF: 39.2/58

In: 4785.063+/-316.326 χ^2/NDF:43.0/50

Out: 3617.211+/-312.479 χ^2/NDF:48.9/54

All: 4193.993+/-222.303 χ^2/NDF: 98.8/105



Right In: 1863.693+/-0.325 χ^2/NDF: 301689.6/27

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1873.279+/-0.318 χ^2/NDF: 171241.9/30

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

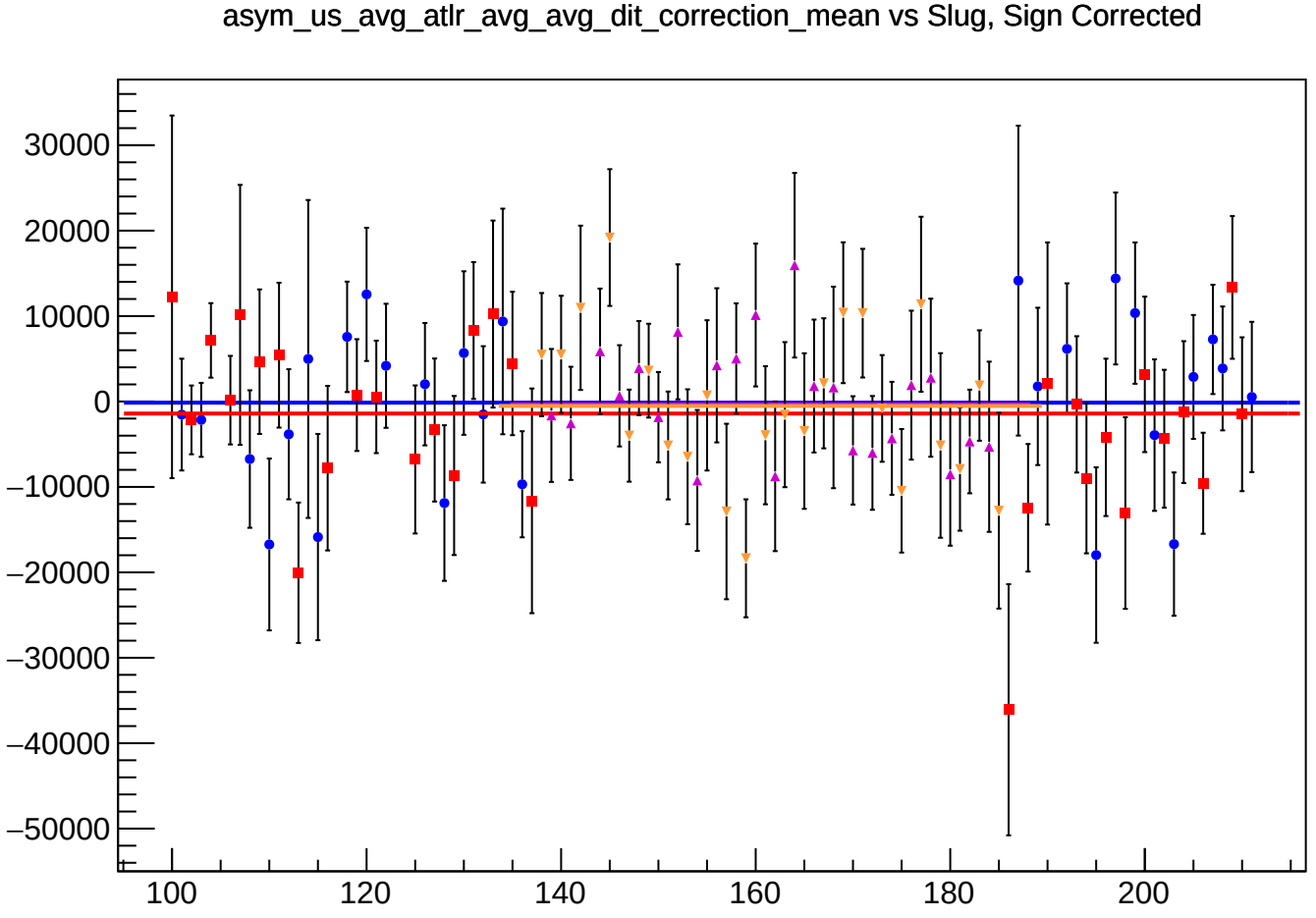
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1868.594+/-0.227 χ^2/NDF: 473376.7/58

In: 1865.474+/-0.224 χ^2/NDF:328993.4/50

Out: 1872.608+/-0.221 χ^2/NDF:208405.3/54

All: 1869.085+/-0.157 χ^2/NDF: 537913.8/105



Right In: -134.734+/-1496.877 χ^2/NDF: 29.1/27

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1410.669+/-1396.480 χ^2/NDF: 31.8/30

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

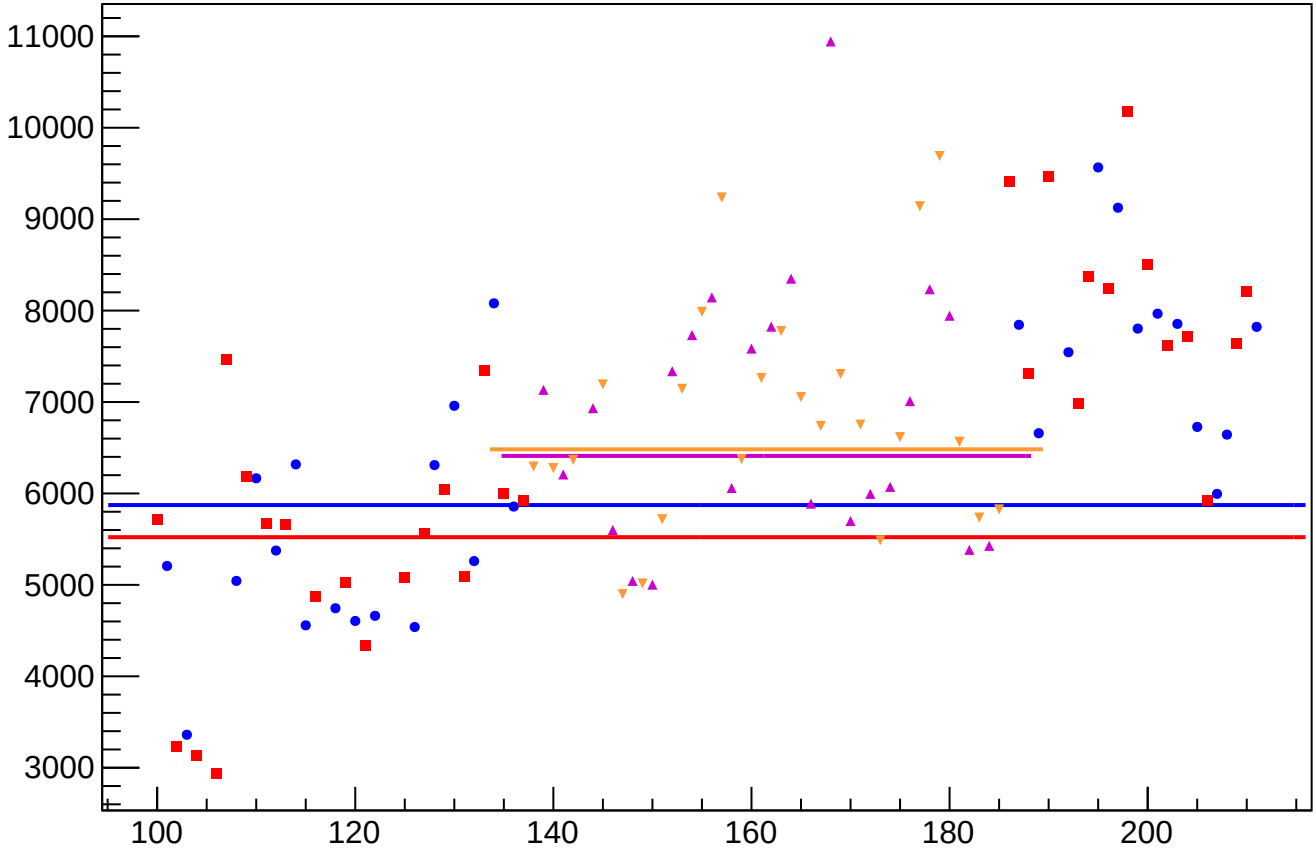
Right: -816.922+/-1021.110 χ^2/NDF: 61.3/58

In: -227.726+/-1069.284 χ^2/NDF:42.5/50

Out: -1007.958+/-1033.511 χ^2/NDF:61.2/54

All: -631.112+/-743.128 χ^2/NDF: 103.9/105

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5873.090+/-1.058 χ^2/NDF: 2169130.9/27

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5521.838+/-0.987 χ^2/NDF: 3930952.3/30

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

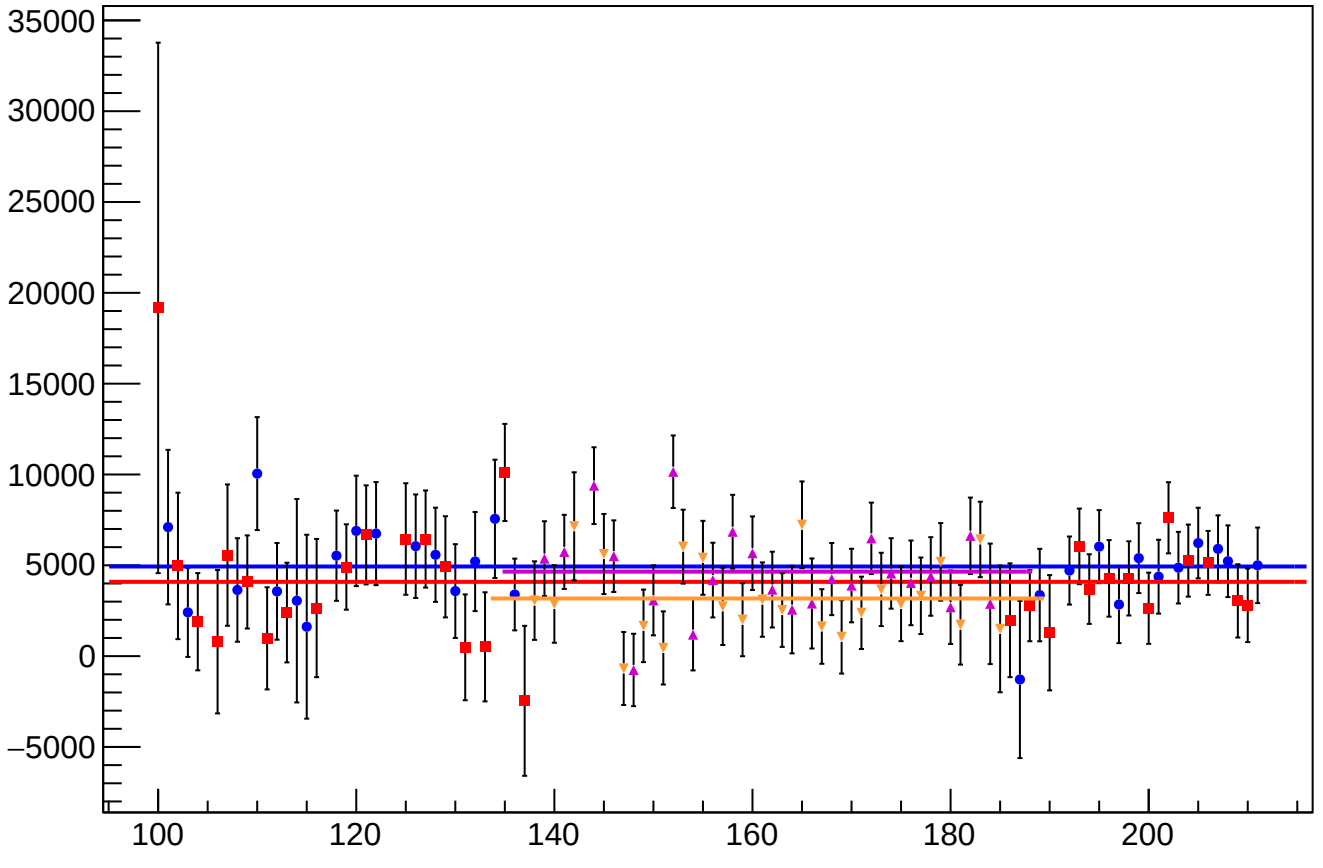
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5685.291+/-0.722 χ^2/NDF: 6158963.5/58

In: 6136.227+/-0.756 χ^2/NDF:3515167.0/50

Out: 5956.428+/-0.731 χ^2/NDF:5433803.3/54

All: 6043.270+/-0.525 χ^2/NDF: 8978206.3/10



Right In: 4934.368+/-459.408 χ^2/NDF: 12.3/27

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4089.994+/-449.367 χ^2/NDF: 25.2/30

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

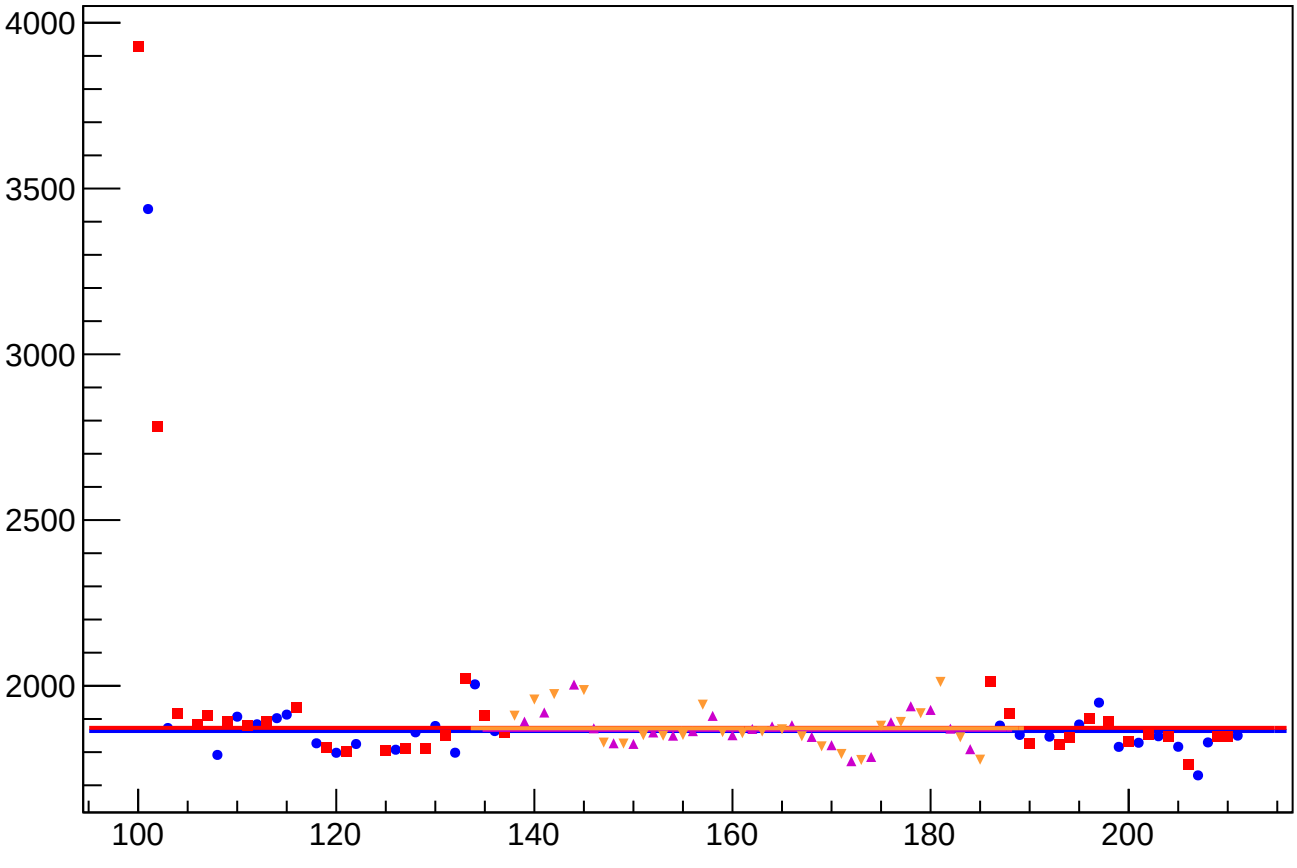
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4502.853+/-321.242 χ^2/NDF: 39.2/58

In: 4785.062+/-316.326 χ^2/NDF:43.0/50

Out: 3617.206+/-312.479 χ^2/NDF:48.9/54

All: 4193.990+/-222.304 χ^2/NDF: 98.8/105



Right In: 1863.693+/-0.325 χ^2/NDF: 301689.7/27

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1873.279+/-0.318 χ^2/NDF: 171241.0/30

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

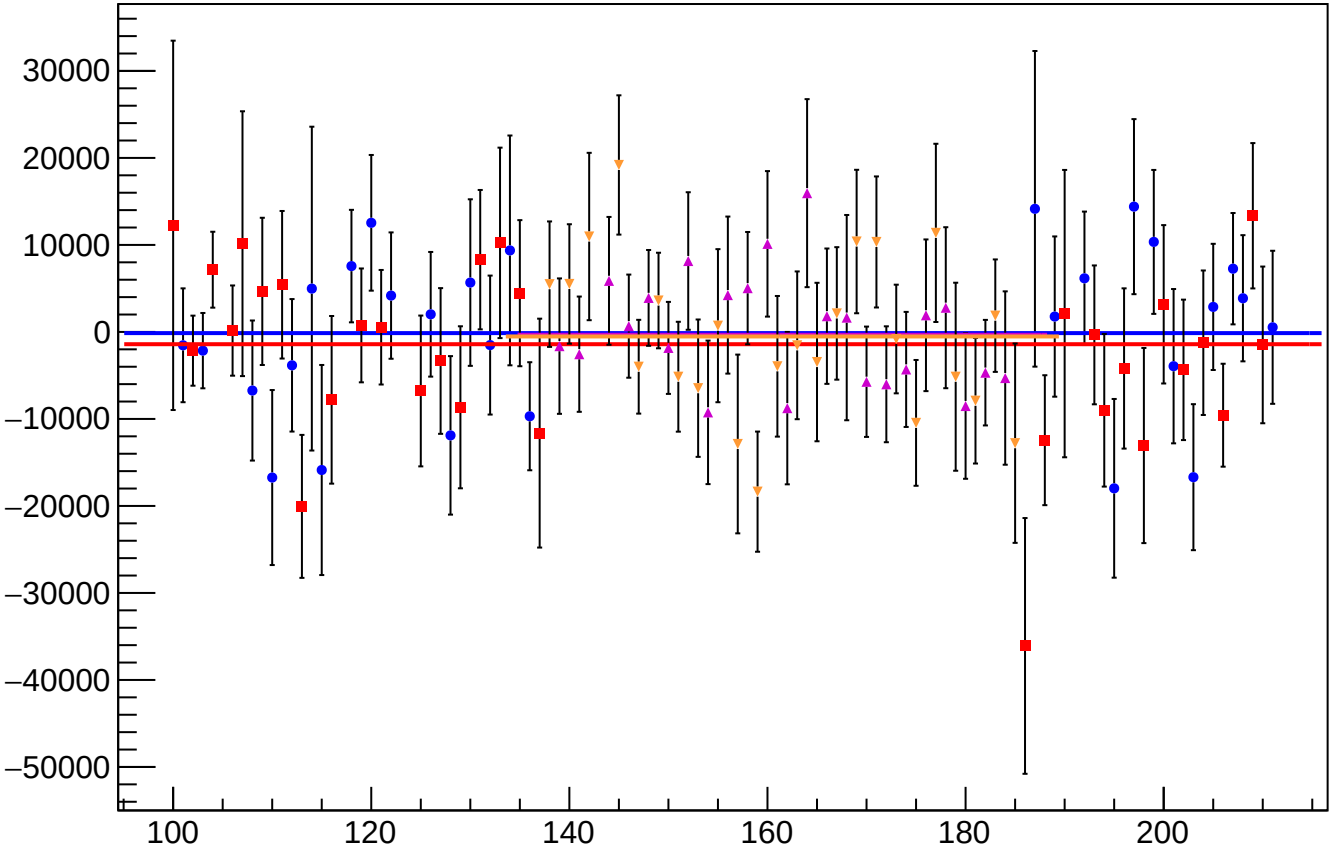
Right: 1868.594+/-0.227 χ^2/NDF: 473375.8/58

In: 1865.474+/-0.224 χ^2/NDF:328994.7/50

Out: 1872.609+/-0.221 χ^2/NDF:208405.5/54

All: 1869.086+/-0.157 χ^2/NDF: 537915.2/105

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -134.733+/-1496.876 χ^2/NDF: 29.1/27

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1410.661+/-1396.479 χ^2/NDF: 31.8/30

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

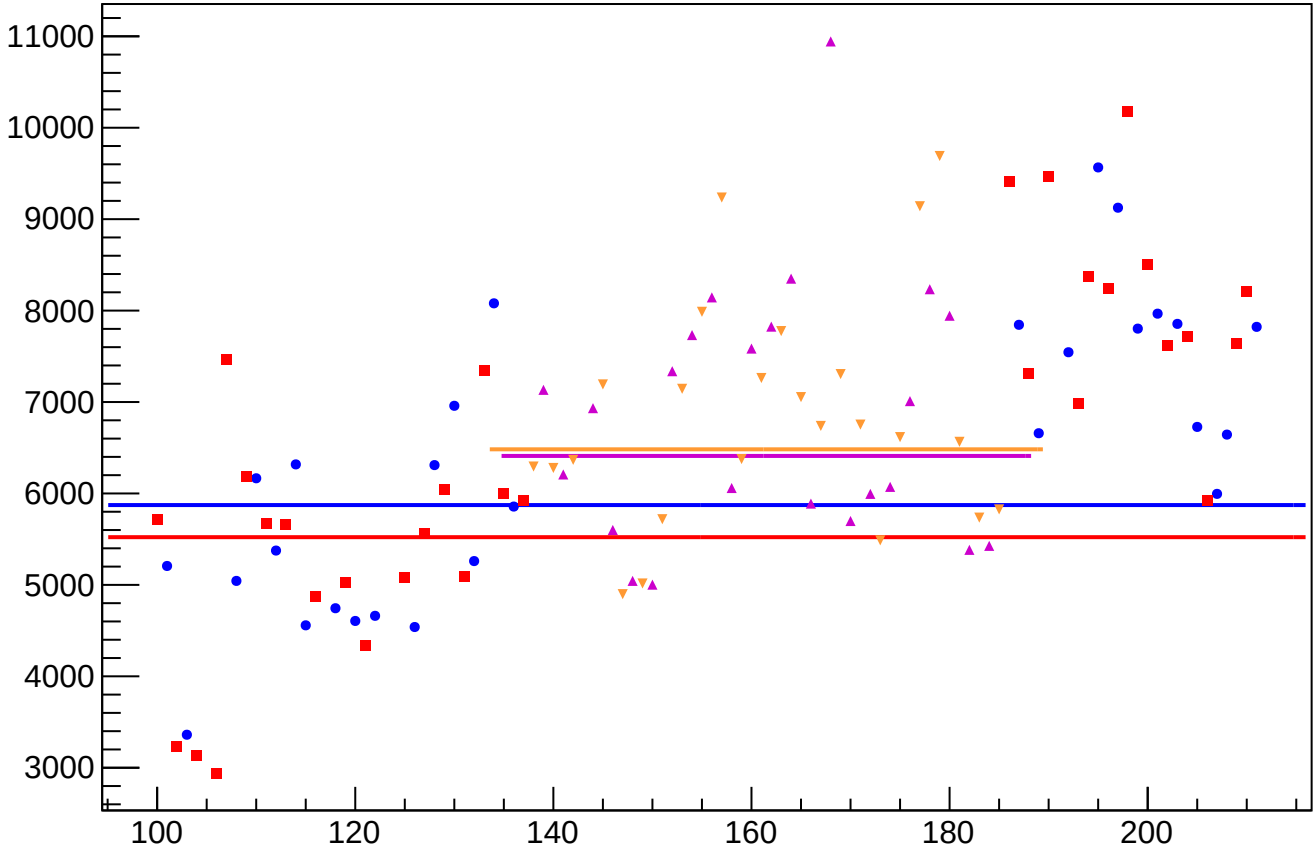
Right: -816.918+/-1021.109 χ^2/NDF: 61.3/58

In: -227.726+/-1069.285 χ^2/NDF:42.5/50

Out: -1007.958+/-1033.511 χ^2/NDF:61.2/54

All: -631.112+/-743.128 χ^2/NDF: 103.9/105

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5873.083+/-1.058 χ^2/NDF: 2169160.2/27

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5521.829+/-0.987 χ^2/NDF: 3930983.4/30

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

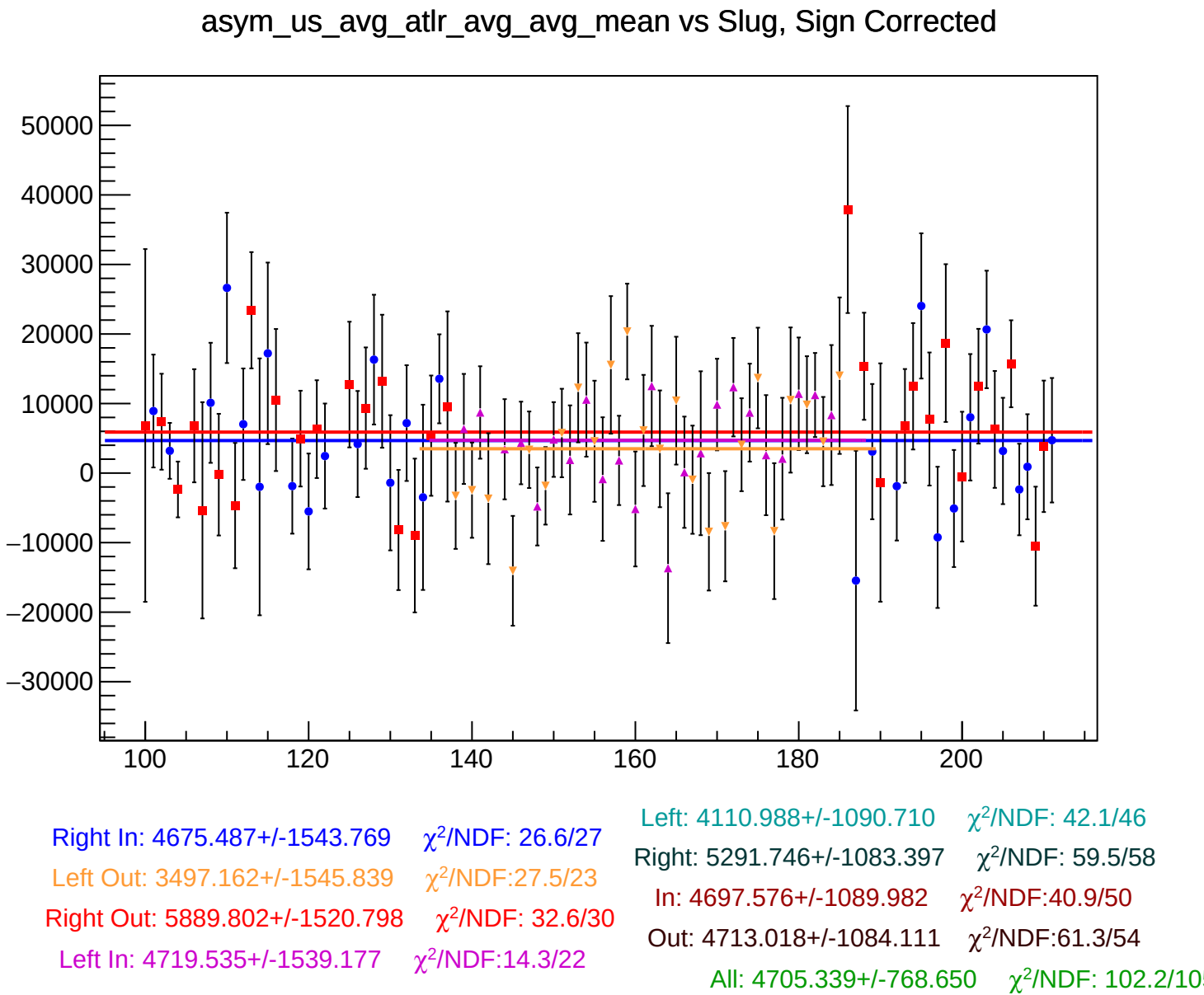
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

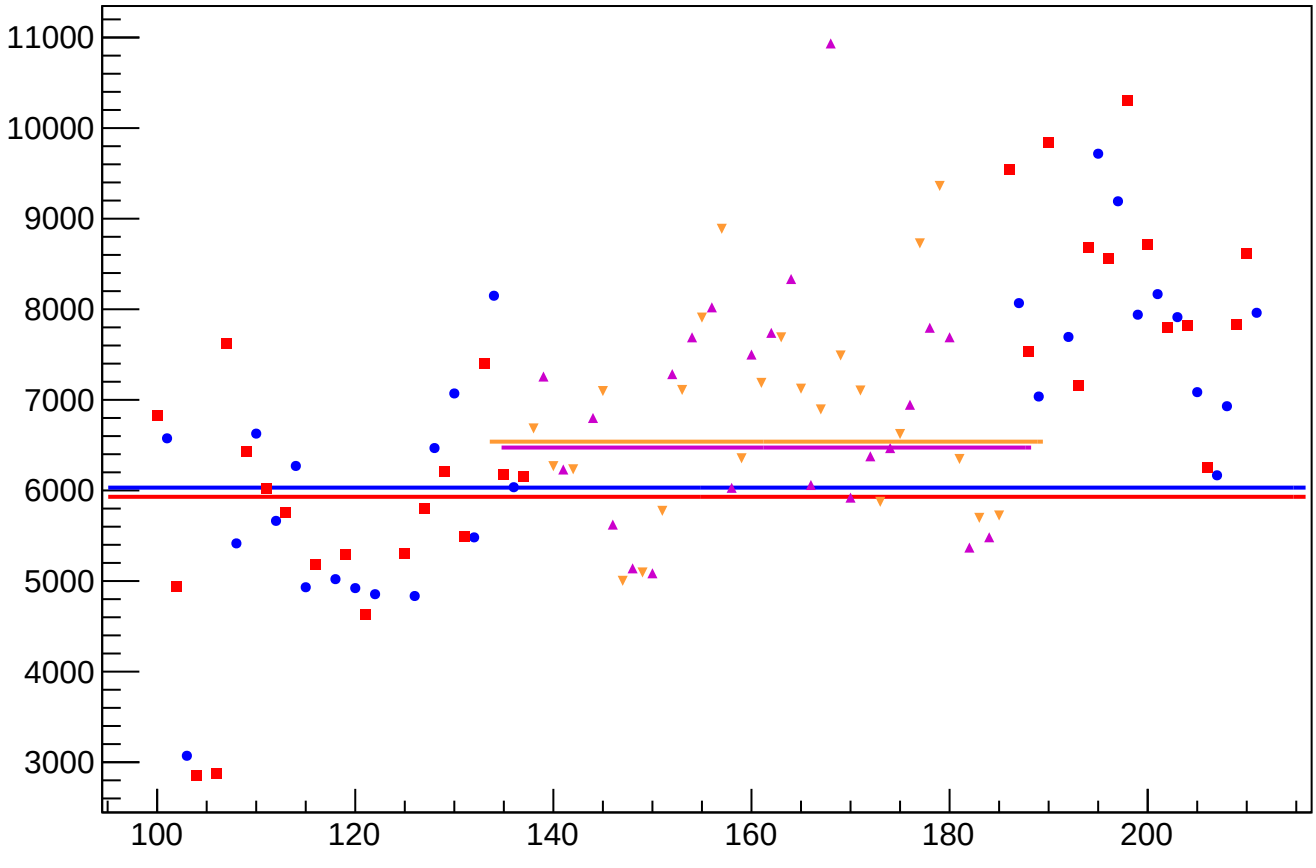
Right: 5685.282+/-0.722 χ^2/NDF: 6159024.7/58

In: 6136.228+/-0.756 χ^2/NDF:3515207.5/50

Out: 5956.426+/-0.731 χ^2/NDF:5433854.4/54

All: 6043.269+/-0.525 χ^2/NDF: 8978298.7/10


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 4675.487+/-1543.769 χ²/NDF: 26.6/27
Left Out: 3497.162+/-1545.839 χ²/NDF:27.5/23
Right Out: 5889.802+/-1520.798 χ²/NDF: 32.6/30
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 5291.746+/-1083.397 χ²/NDF: 59.5/58
In: 4697.576+/-1089.982 χ²/NDF:40.9/50
Out: 4713.018+/-1084.111 χ²/NDF:61.3/54
All: 4705.339+/-768.650 χ²/NDF: 102.2/105



Right In: 6031.294+/-1.092 χ^2/NDF: 2444028.1/27

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5929.753+/-1.062 χ^2/NDF: 3526744.3/30

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

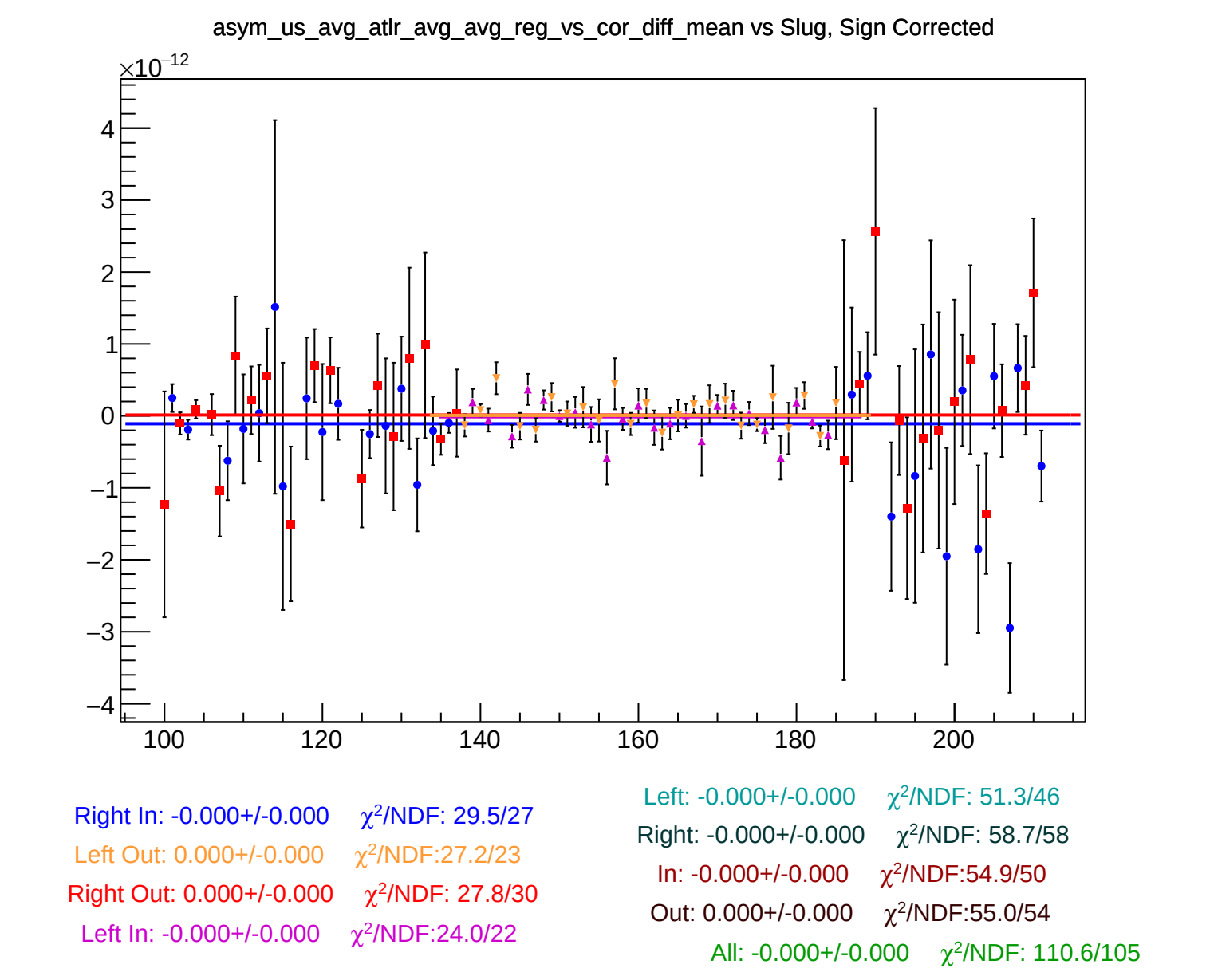
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5979.111+/-0.761 χ^2/NDF: 5975219.1/58

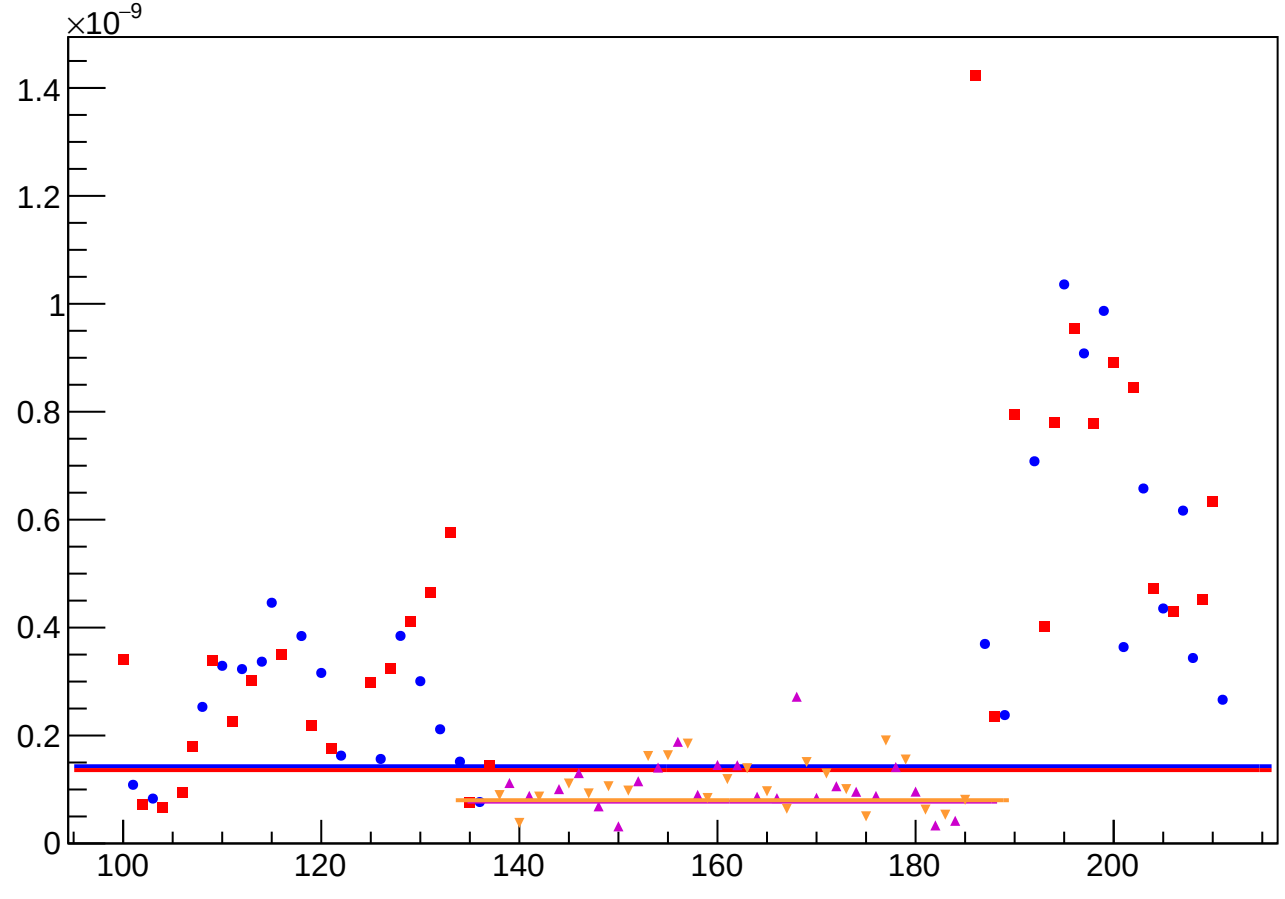
In: 6253.044+/-0.771 χ^2/NDF:3598074.6/50

Out: 6225.346+/-0.762 χ^2/NDF:4607065.3/54

All: 6239.029+/-0.542 χ^2/NDF: 8205793.4/10


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.5/27
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/30
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 58.7/58
In: -0.000+/-0.000 χ²/NDF:54.9/50
Out: 0.000+/-0.000 χ²/NDF:55.0/54
All: -0.000+/-0.000 χ²/NDF: 110.6/105

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5903500.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7562678.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

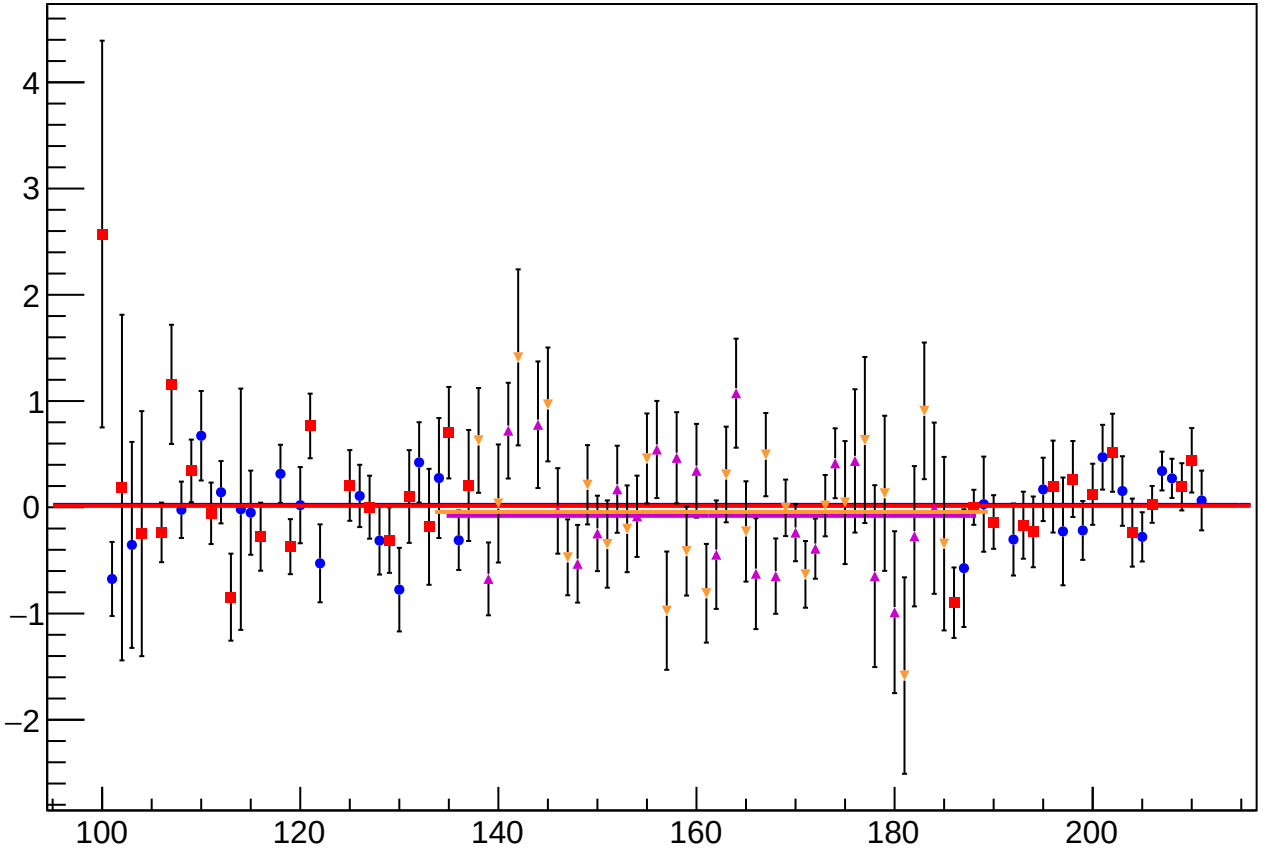
Right: 0.000+/-0.000 χ^2/NDF: 13475429.4/58

In: 0.000+/-0.000 χ^2/NDF:9835846.6/50

Out: 0.000+/-0.000 χ^2/NDF:10652956.6/54

All: 0.000+/-0.000 χ^2/NDF: 20490272.5/105

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

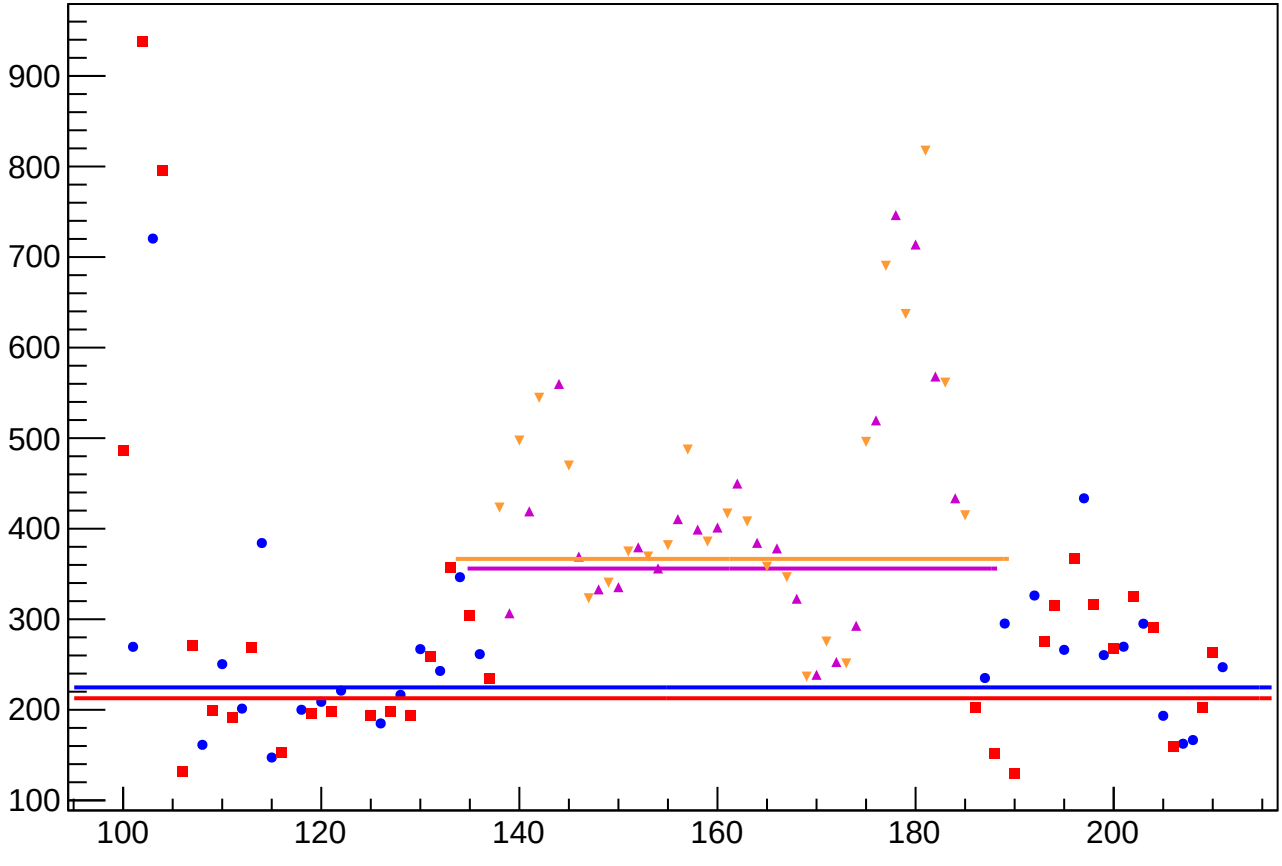
Right: 0.018+/-0.041 χ^2/NDF: 71.3/58

In: -0.010+/-0.049 χ^2/NDF:61.7/50

Out: -0.002+/-0.048 χ^2/NDF:72.1/54

All: -0.006+/-0.034 χ^2/NDF: 133.8/105

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 224.748+/-0.042 χ^2/NDF: 2275690.4/27

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 212.768+/-0.040 χ^2/NDF: 3363014.3/30

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

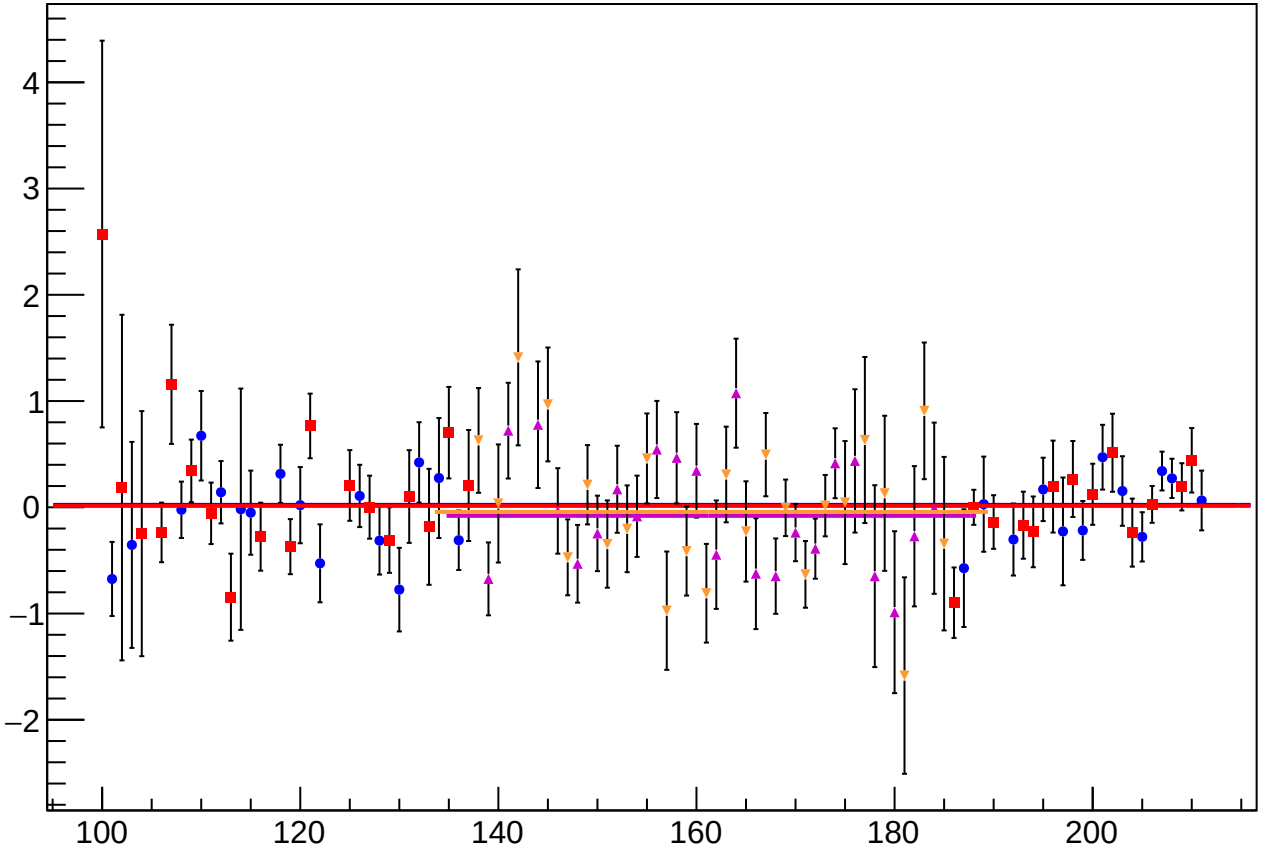
Right: 218.407+/-0.029 χ^2/NDF: 5681702.2/58

In: 266.021+/-0.035 χ^2/NDF:7762156.3/50

Out: 255.477+/-0.034 χ^2/NDF:10386999.5/54

All: 260.579+/-0.024 χ^2/NDF: 18196540.3/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

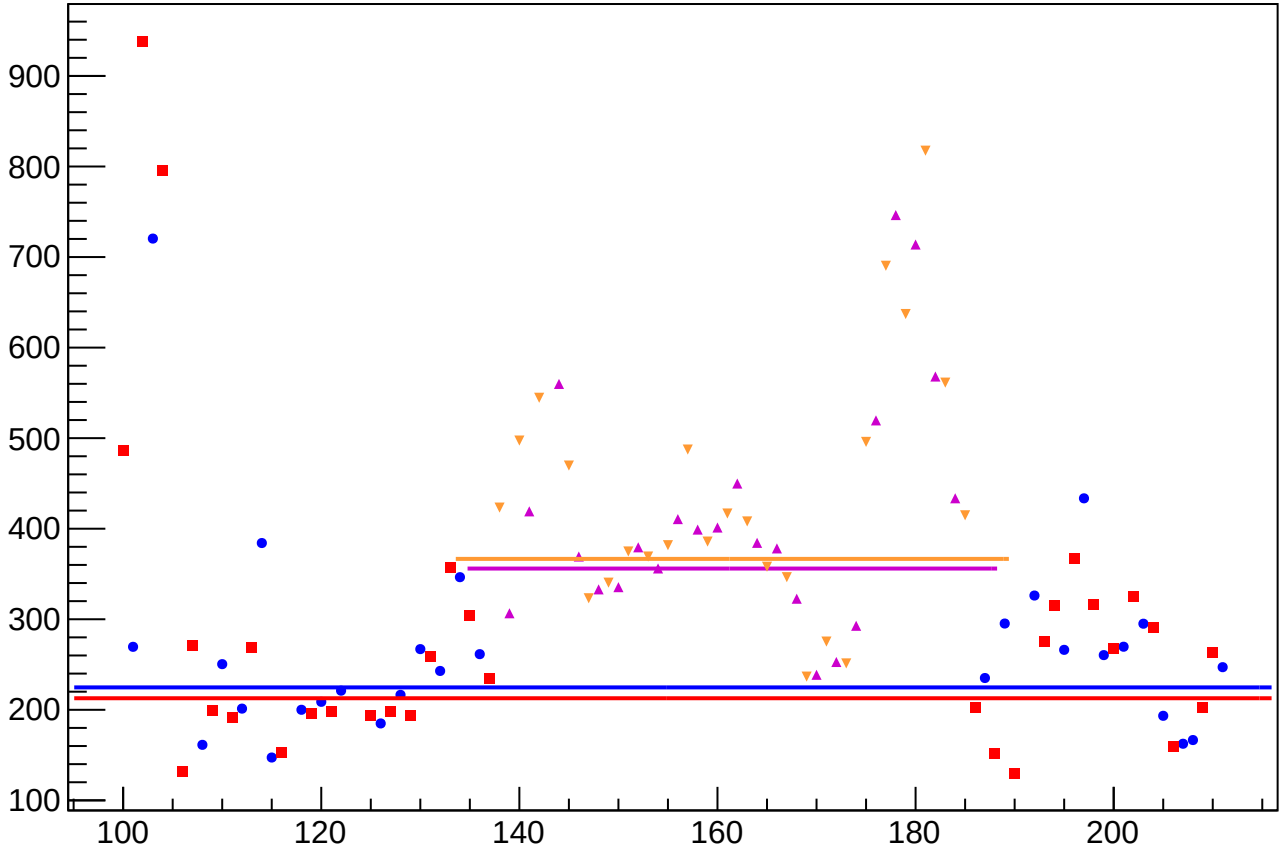
Right: 0.018+/-0.041 χ^2/NDF: 71.3/58

In: -0.010+/-0.049 χ^2/NDF:61.7/50

Out: -0.002+/-0.048 χ^2/NDF:72.1/54

All: -0.006+/-0.034 χ^2/NDF: 133.8/105

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 224.748+/-0.042 χ^2/NDF: 2275690.4/27

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 212.768+/-0.040 χ^2/NDF: 3363014.3/30

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

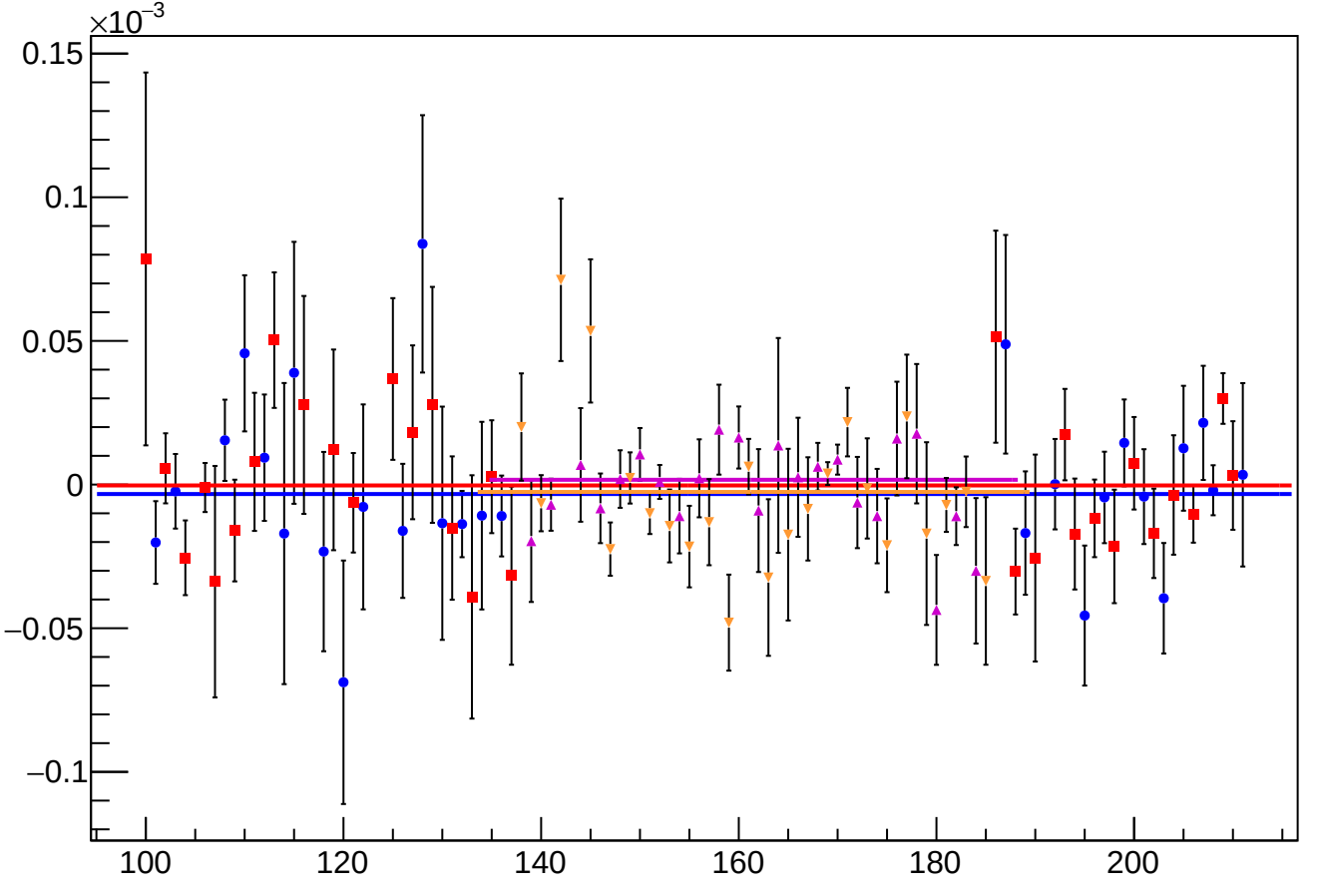
Right: 218.407+/-0.029 χ^2/NDF: 5681702.2/58

In: 266.021+/-0.035 χ^2/NDF:7762156.3/50

Out: 255.477+/-0.034 χ^2/NDF:10386999.5/54

All: 260.579+/-0.024 χ^2/NDF: 18196540.3/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/27

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.9/30

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

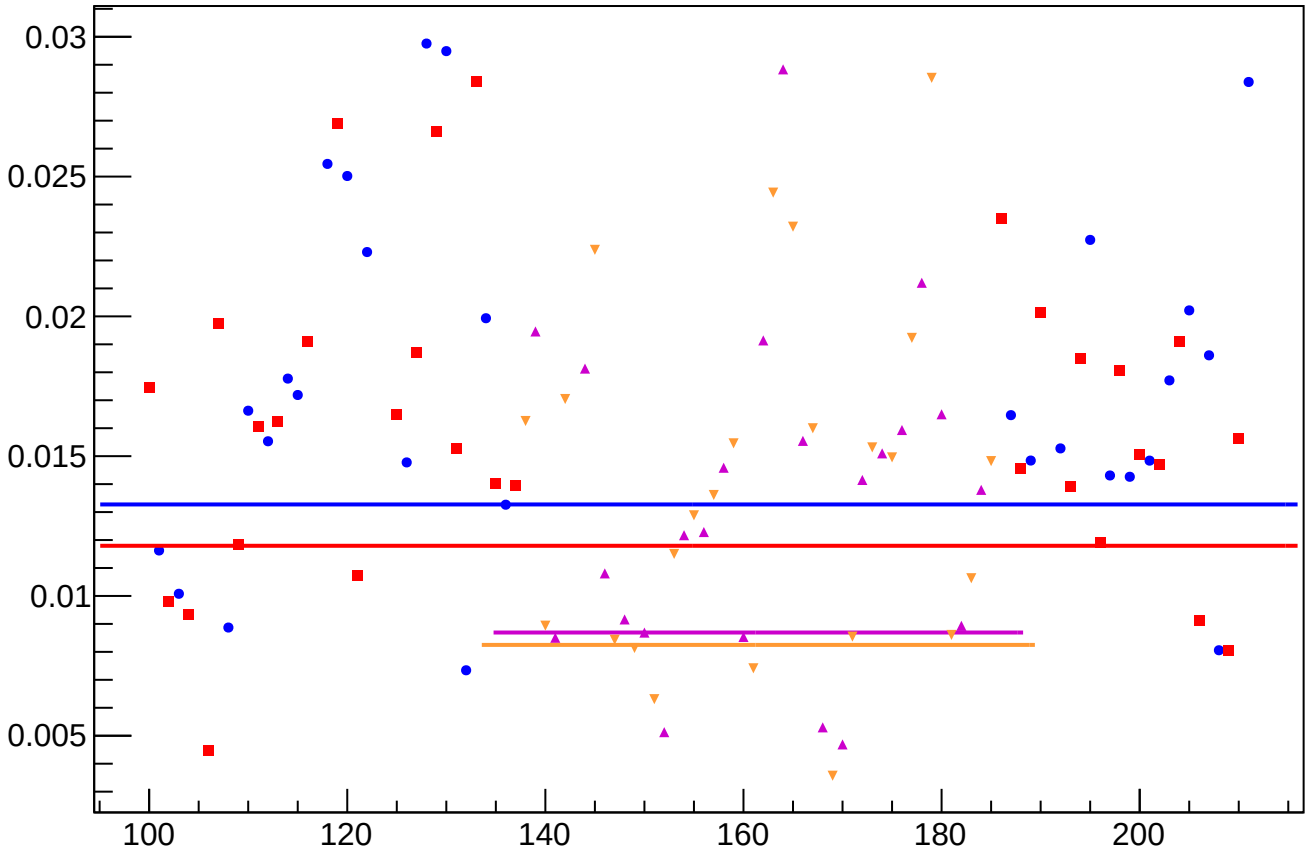
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 70.4/58

In: 0.000+/-0.000 χ^2/NDF:50.2/50

Out: -0.000+/-0.000 χ^2/NDF:85.7/54

All: -0.000+/-0.000 χ^2/NDF: 136.5/105



Right In: 0.013+/-0.000 χ^2/NDF: 4177009.4/27

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4921518.0/30

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

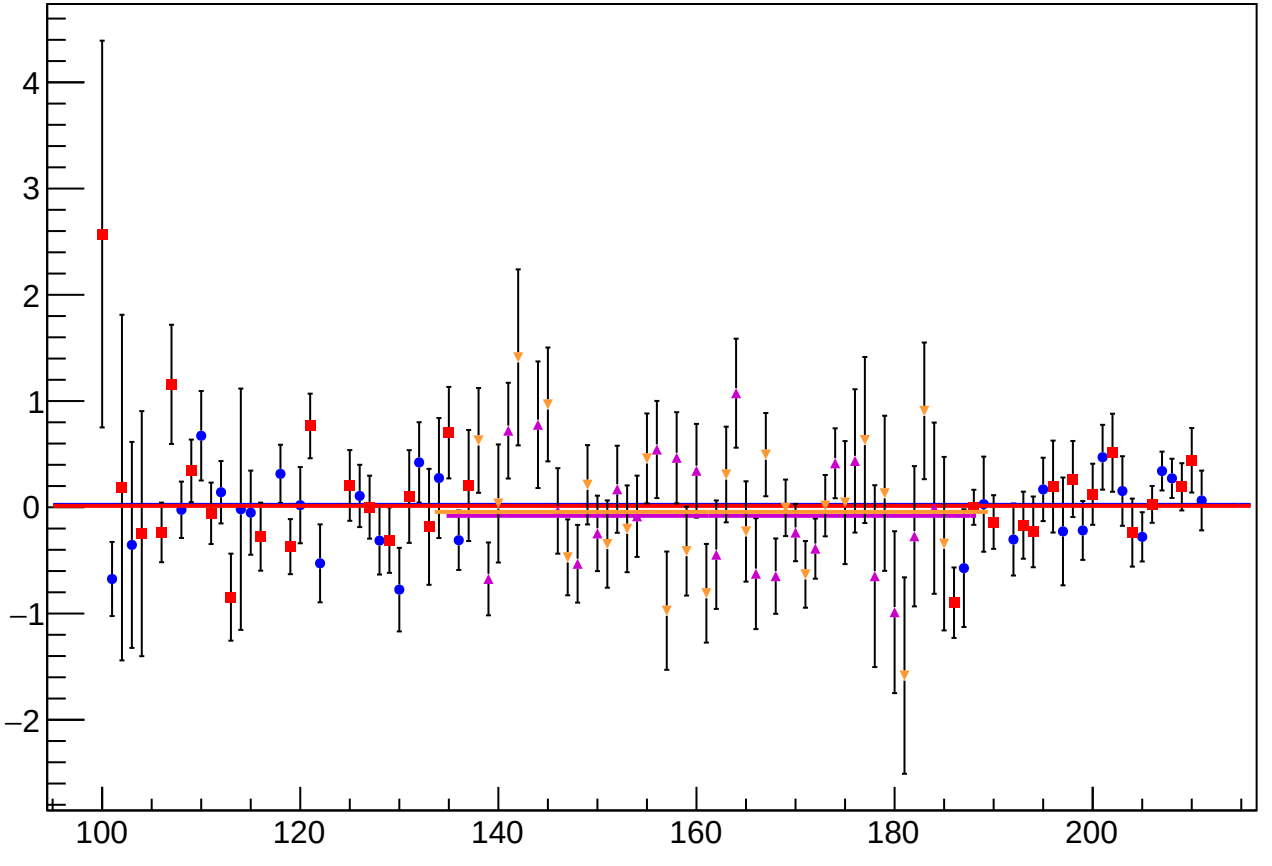
Right: 0.012+/-0.000 χ^2/NDF: 9297612.3/58

In: 0.010+/-0.000 χ^2/NDF:13395367.6/50

Out: 0.009+/-0.000 χ^2/NDF:15509093.7/54

All: 0.010+/-0.000 χ^2/NDF: 29011935.7/105

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

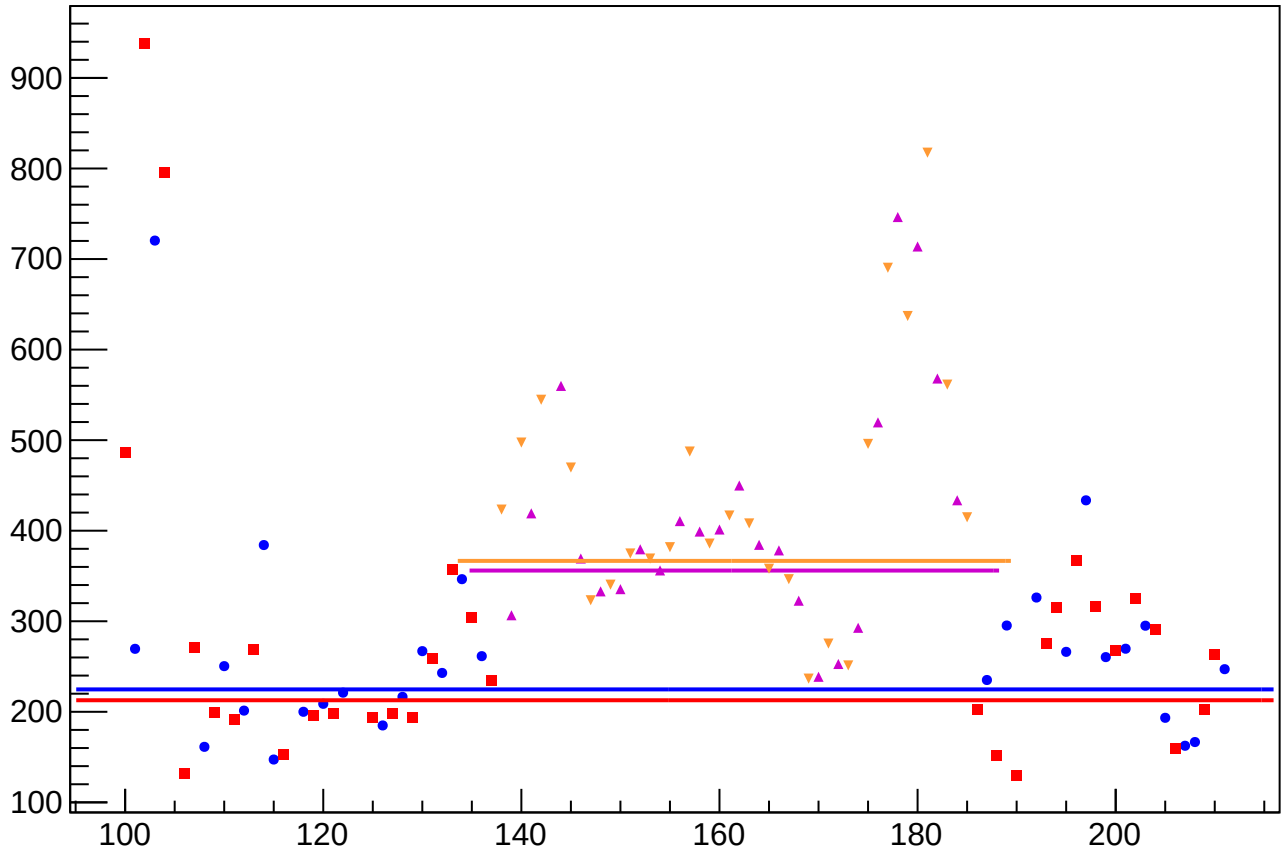
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.018+/-0.041 χ^2/NDF: 71.3/58

In: -0.010+/-0.049 χ^2/NDF:61.7/50

Out: -0.002+/-0.048 χ^2/NDF:72.1/54

All: -0.006+/-0.034 χ^2/NDF: 133.8/105



Right In: 224.747+/-0.042 χ^2/NDF: 2275740.4/27

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 212.765+/-0.040 χ^2/NDF: 3363086.1/30

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

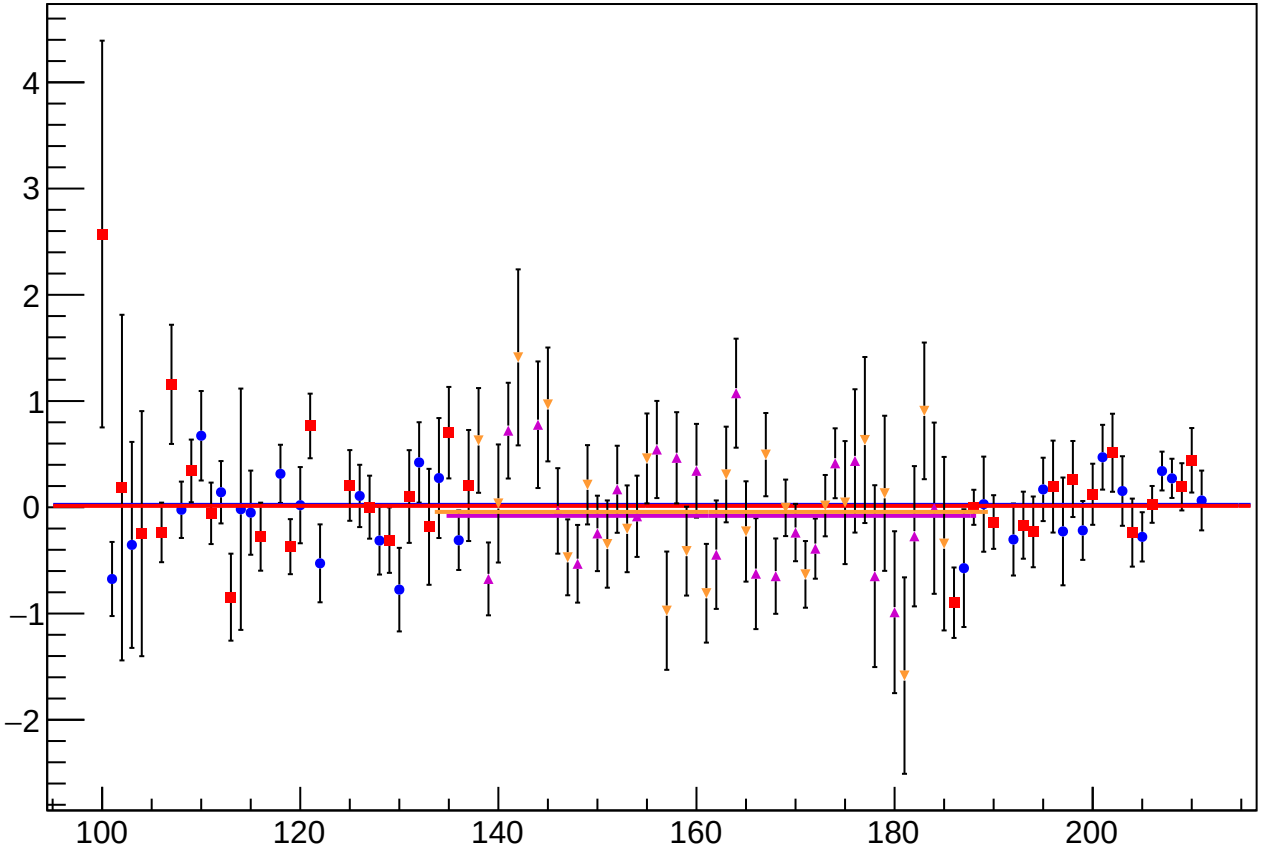
Right: 218.405+/-0.029 χ^2/NDF: 5681836.4/58

In: 266.020+/-0.035 χ^2/NDF:7762476.1/50

Out: 255.474+/-0.034 χ^2/NDF:10387466.2/54

All: 260.577+/-0.024 χ^2/NDF: 18197344.3/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.059 χ^2/NDF: 30.4/27

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.013+/-0.056 χ^2/NDF: 40.9/30

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

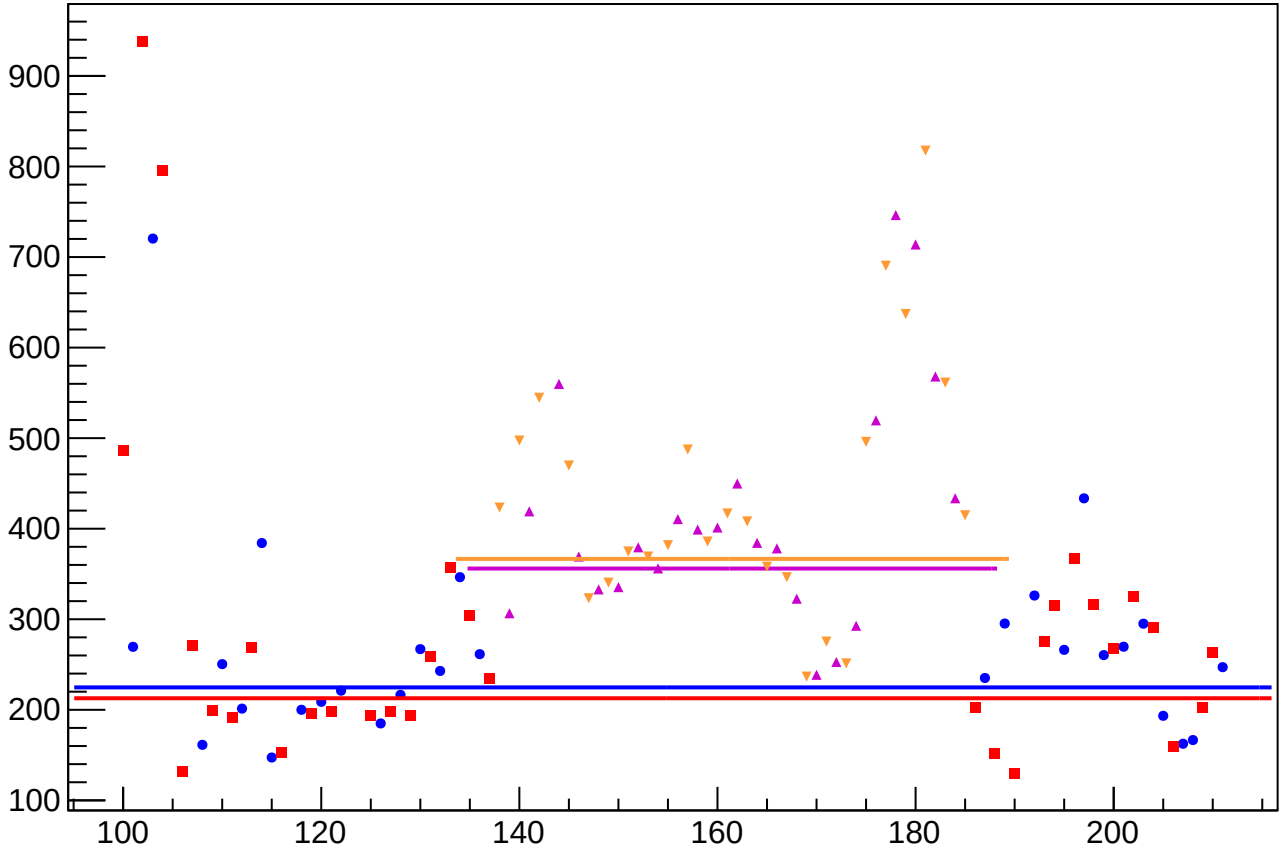
Right: 0.018+/-0.041 χ^2/NDF: 71.3/58

In: -0.010+/-0.049 χ^2/NDF:61.7/50

Out: -0.002+/-0.048 χ^2/NDF:72.1/54

All: -0.006+/-0.034 χ^2/NDF: 133.8/105

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 224.747+/-0.042 χ^2/NDF: 2275740.4/27

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 212.765+/-0.040 χ^2/NDF: 3363086.1/30

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

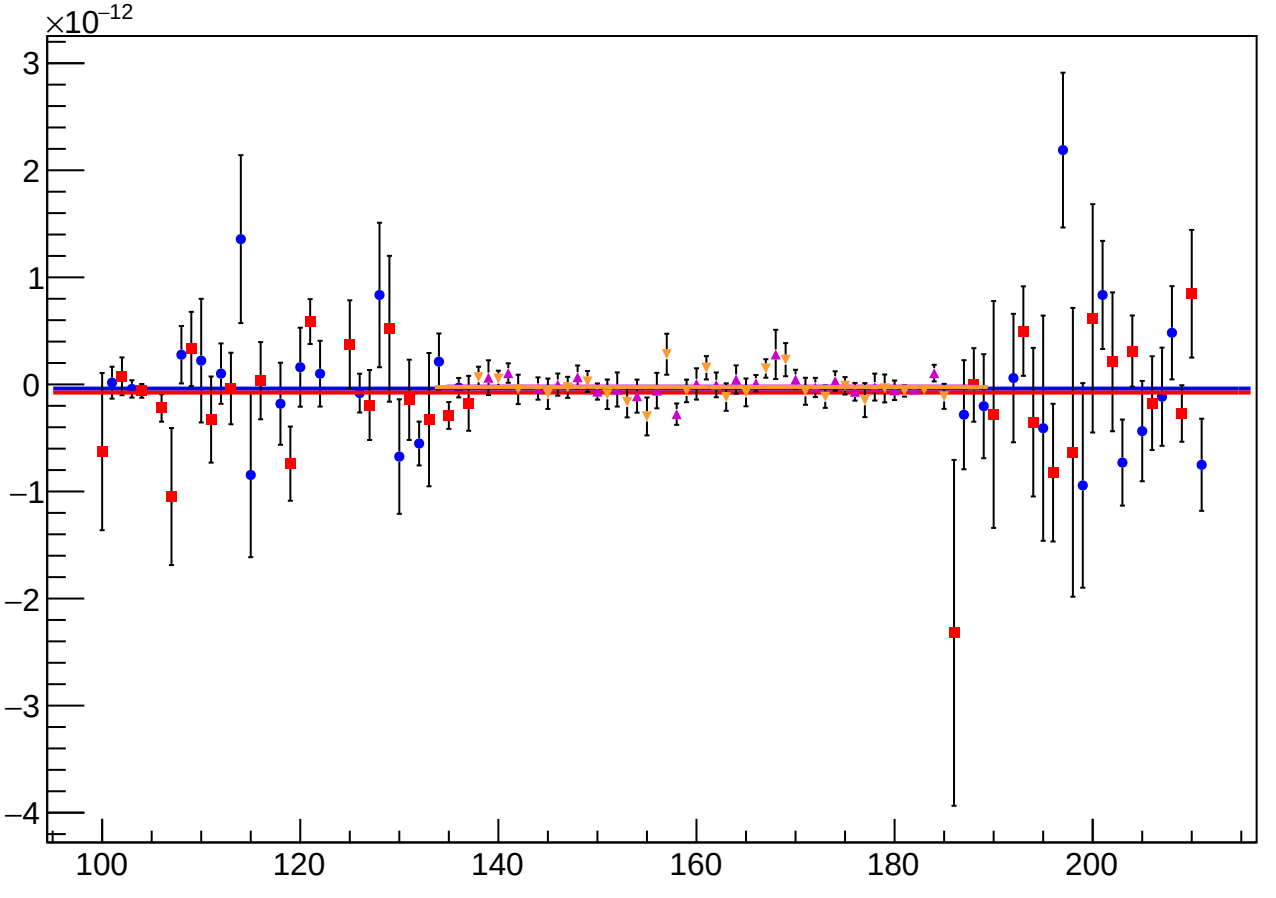
Right: 218.405+/-0.029 χ^2/NDF: 5681836.4/58

In: 266.020+/-0.035 χ^2/NDF:7762476.1/50

Out: 255.474+/-0.034 χ^2/NDF:10387466.2/54

All: 260.577+/-0.024 χ^2/NDF: 18197344.3/10

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/30

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

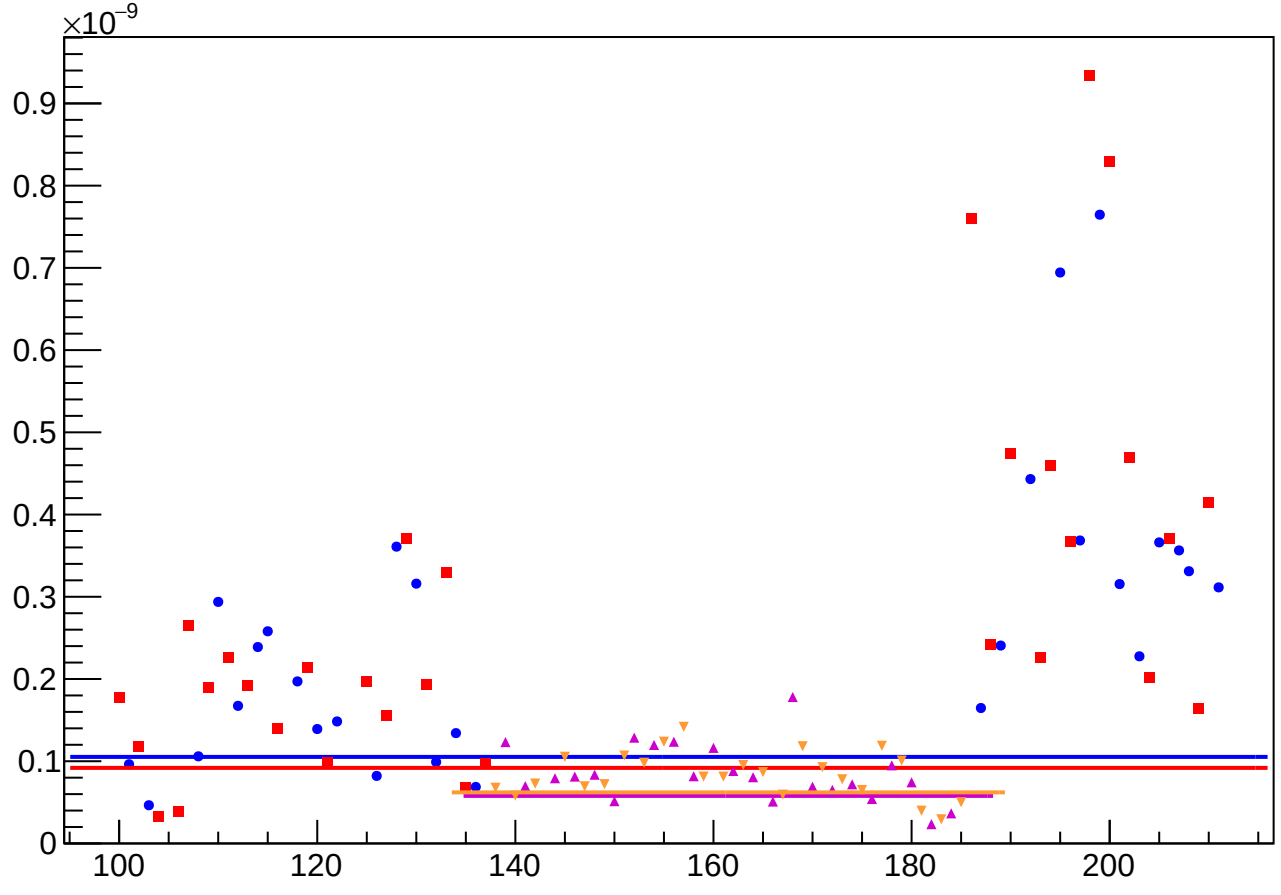
Right: -0.000+/-0.000 χ^2/NDF: 75.8/58

In: -0.000+/-0.000 χ^2/NDF:56.3/50

Out: -0.000+/-0.000 χ^2/NDF:59.5/54

All: -0.000+/-0.000 χ^2/NDF: 116.1/105

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8070270.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10465084.3/30

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

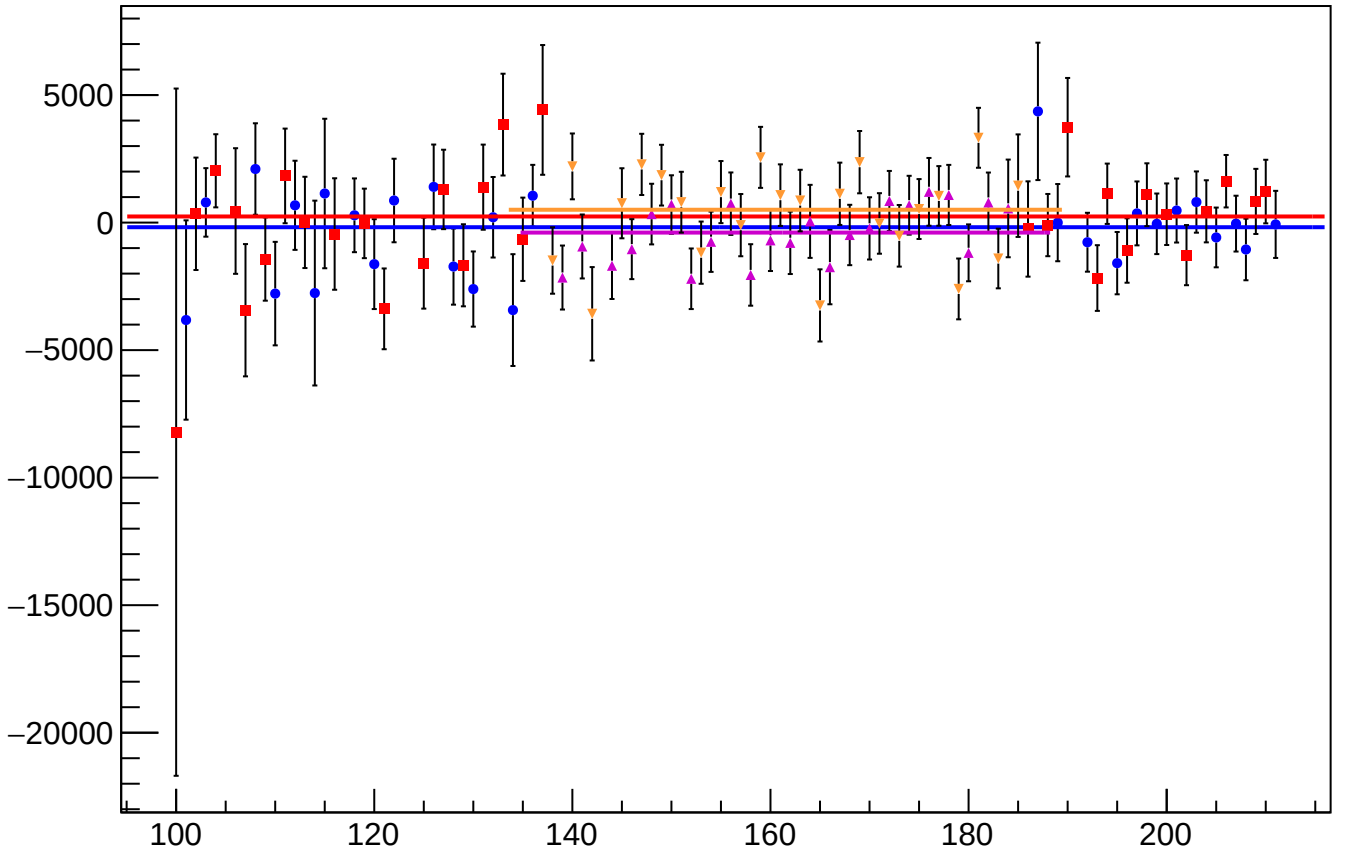
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18629496.0/58

In: 0.000+/-0.000 χ^2/NDF:15490170.4/50

Out: 0.000+/-0.000 χ^2/NDF:15394461.4/54

All: 0.000+/-0.000 χ^2/NDF: 30907213.7/105



Right In: -181.168+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 239.845+/-272.137 χ^2/NDF: 34.2/30

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

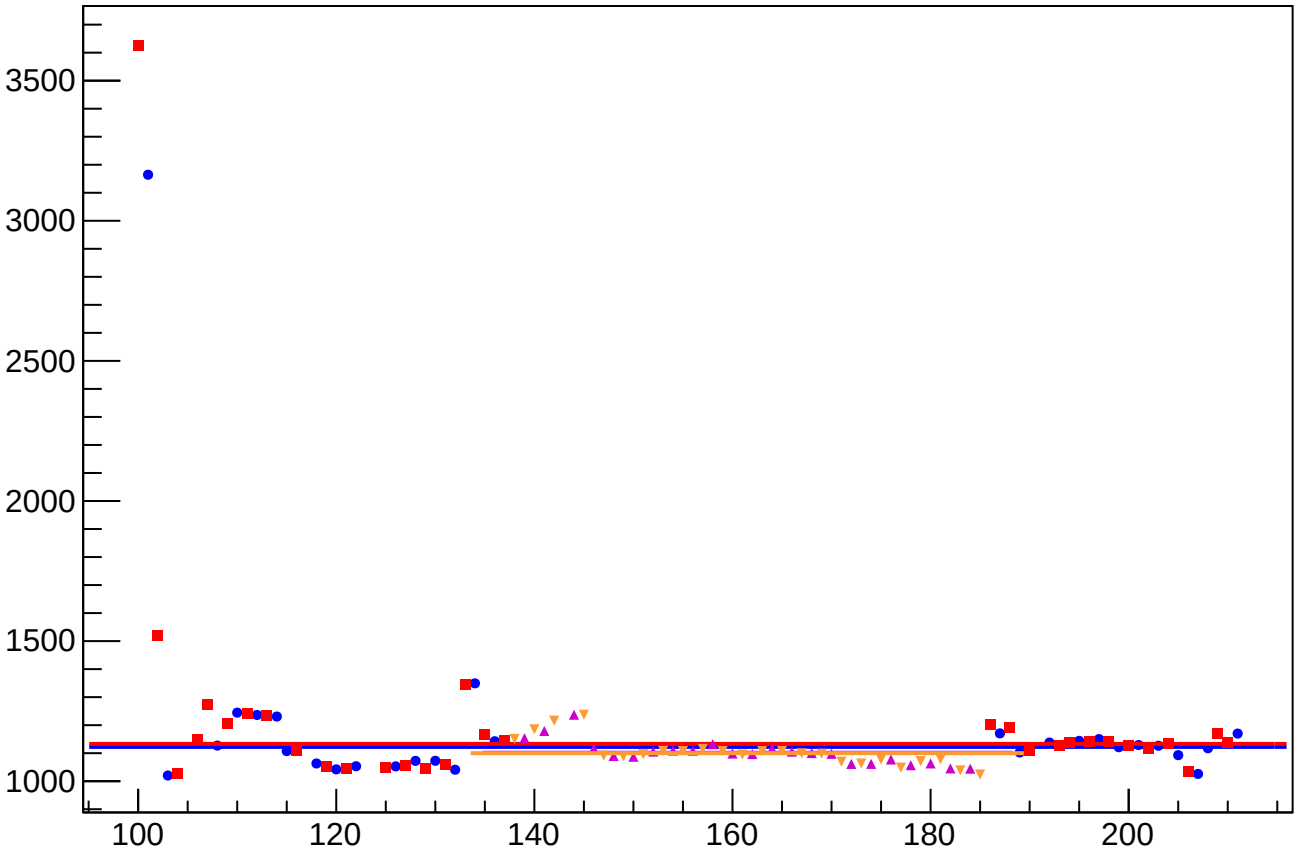
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 33.925+/-194.515 χ^2/NDF: 56.4/58

In: -294.579+/-188.909 χ^2/NDF:39.2/50

Out: 380.018+/-186.282 χ^2/NDF:79.3/54

All: 47.443+/-132.640 χ^2/NDF: 124.9/105



Right In: 1122.479+/-0.197 χ^2/NDF: 644177.3/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.157+/-0.192 χ^2/NDF: 248991.9/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

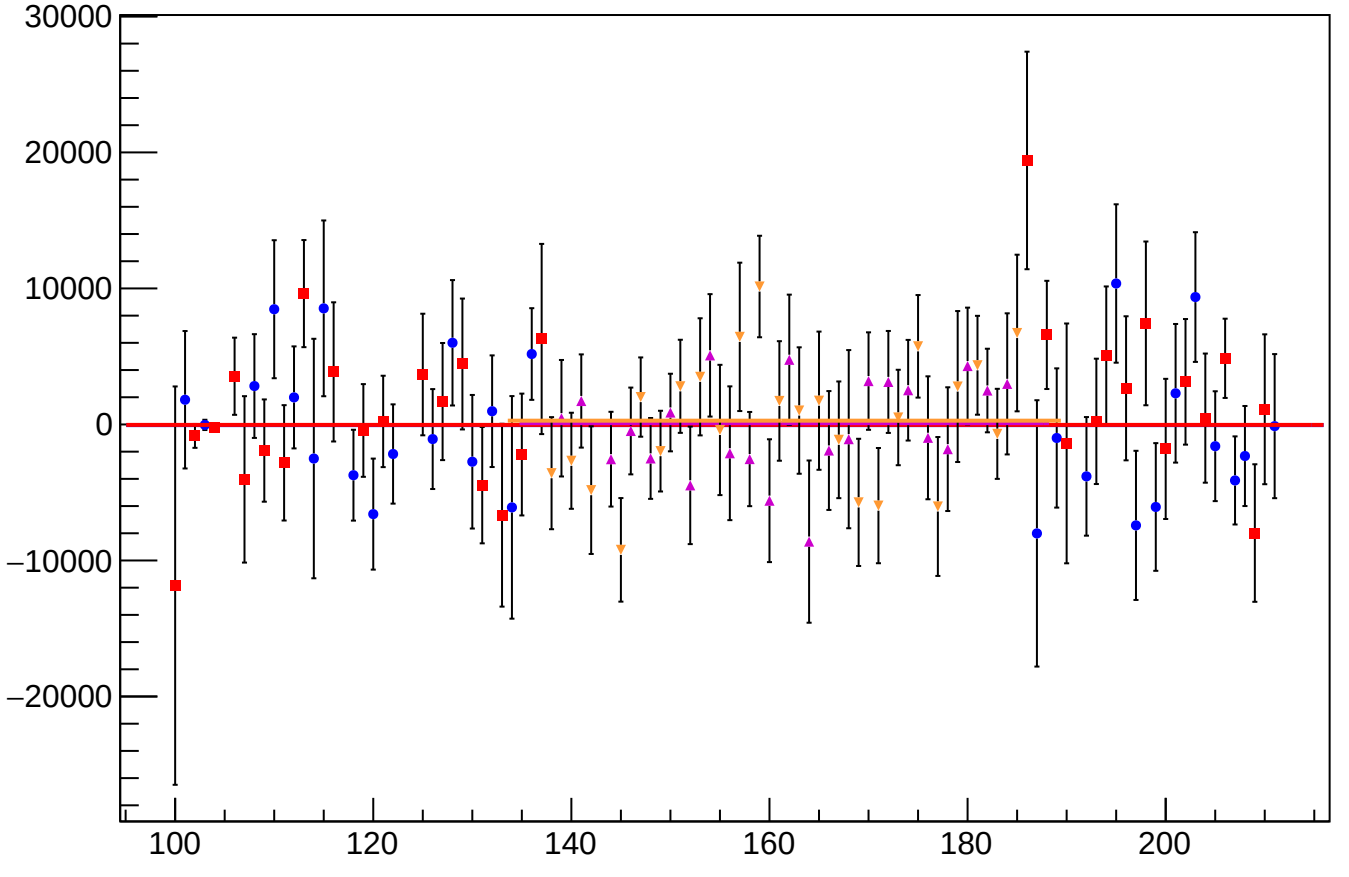
Right: 1127.938+/-0.137 χ^2/NDF: 894676.4/58

In: 1111.194+/-0.134 χ^2/NDF:702435.3/50

Out: 1115.582+/-0.132 χ^2/NDF:323456.1/54

All: 1113.419+/-0.094 χ^2/NDF: 1026438.7/10

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -48.414+/-345.530 χ^2/NDF: 29.2/27

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -32.506+/-313.542 χ^2/NDF: 33.4/30

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

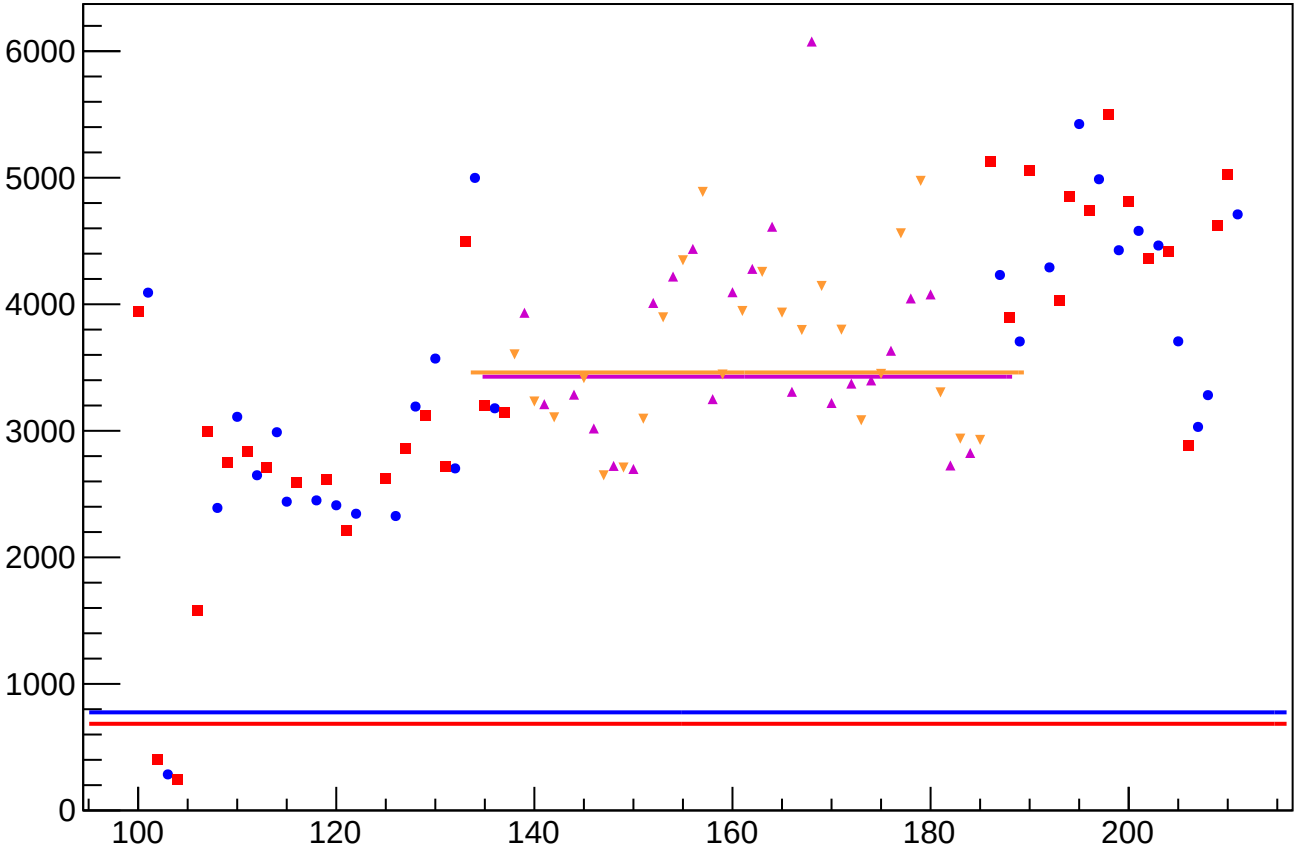
Right: -39.689+/-232.195 χ^2/NDF: 62.6/58

In: -26.704+/-318.253 χ^2/NDF:42.9/50

Out: 6.996+/-292.886 χ^2/NDF:63.4/54

All: -8.458+/-215.512 χ^2/NDF: 106.3/105

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 775.246+/-0.244 χ^2/NDF: 22758918.0/27

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 684.793+/-0.222 χ^2/NDF: 24651072.0/30

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

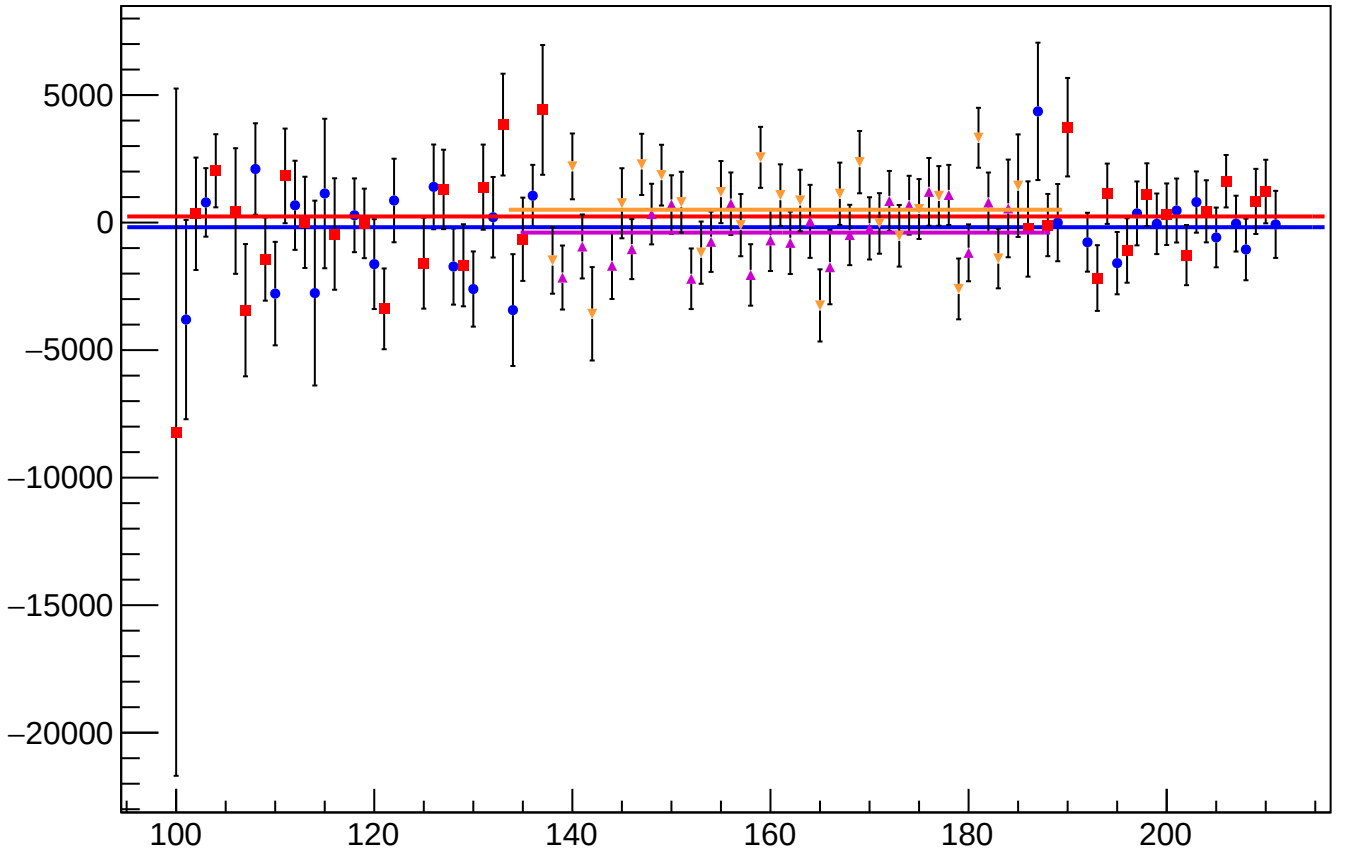
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 725.640+/-0.164 χ^2/NDF: 47485156.7/58

In: 1177.534+/-0.225 χ^2/NDF:41877970.9/50

Out: 1038.570+/-0.207 χ^2/NDF:45692800.1/54

All: 1102.294+/-0.152 χ^2/NDF: 87777231.1/1



Right In: -181.127+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 239.863+/-272.137 χ^2/NDF: 34.2/30

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

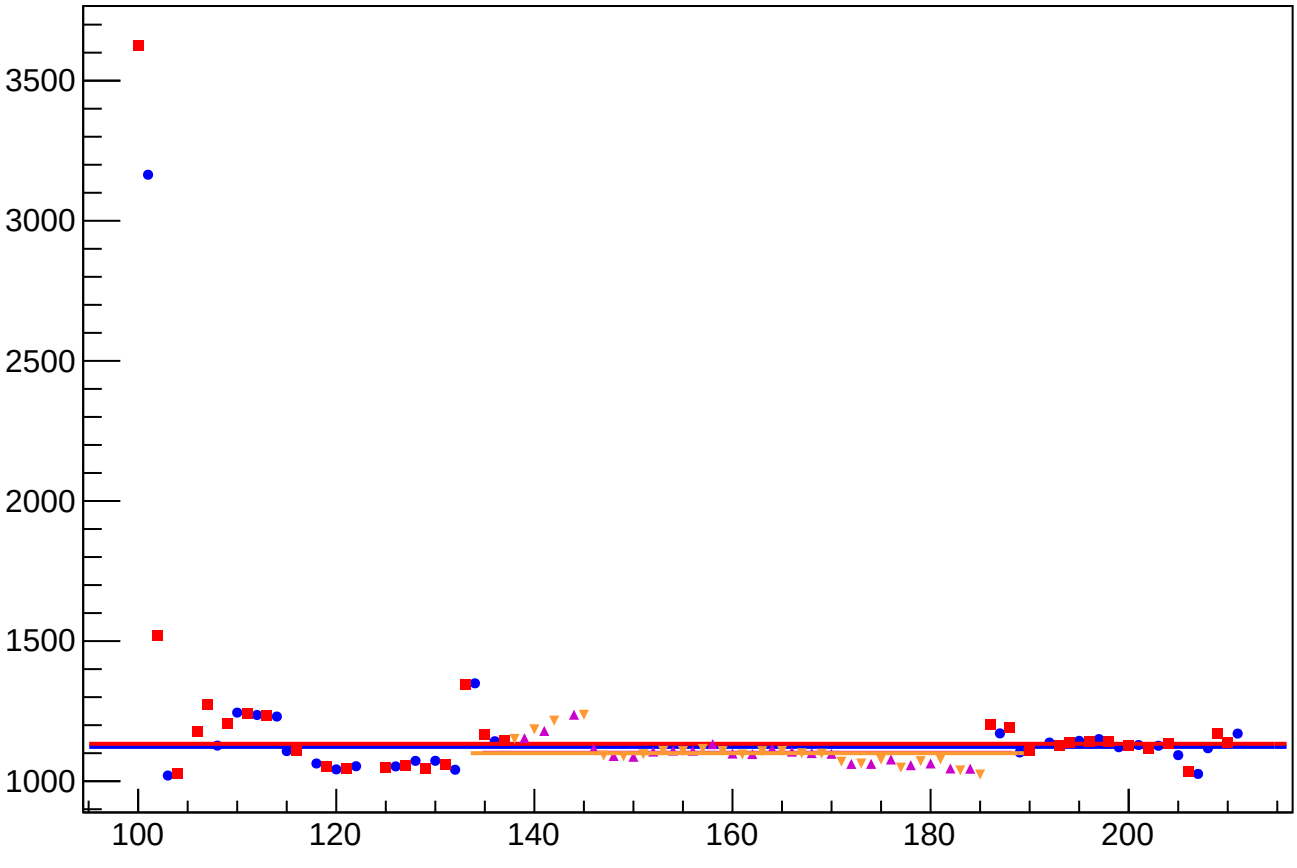
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 33.954+/-194.515 χ^2/NDF: 56.4/58

In: -294.553+/-188.909 χ^2/NDF:39.2/50

Out: 380.065+/-186.282 χ^2/NDF:79.3/54

All: 47.480+/-132.640 χ^2/NDF: 124.9/105



Right In: 1122.479+/-0.197 χ^2/NDF: 644178.4/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.536+/-0.192 χ^2/NDF: 249616.2/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

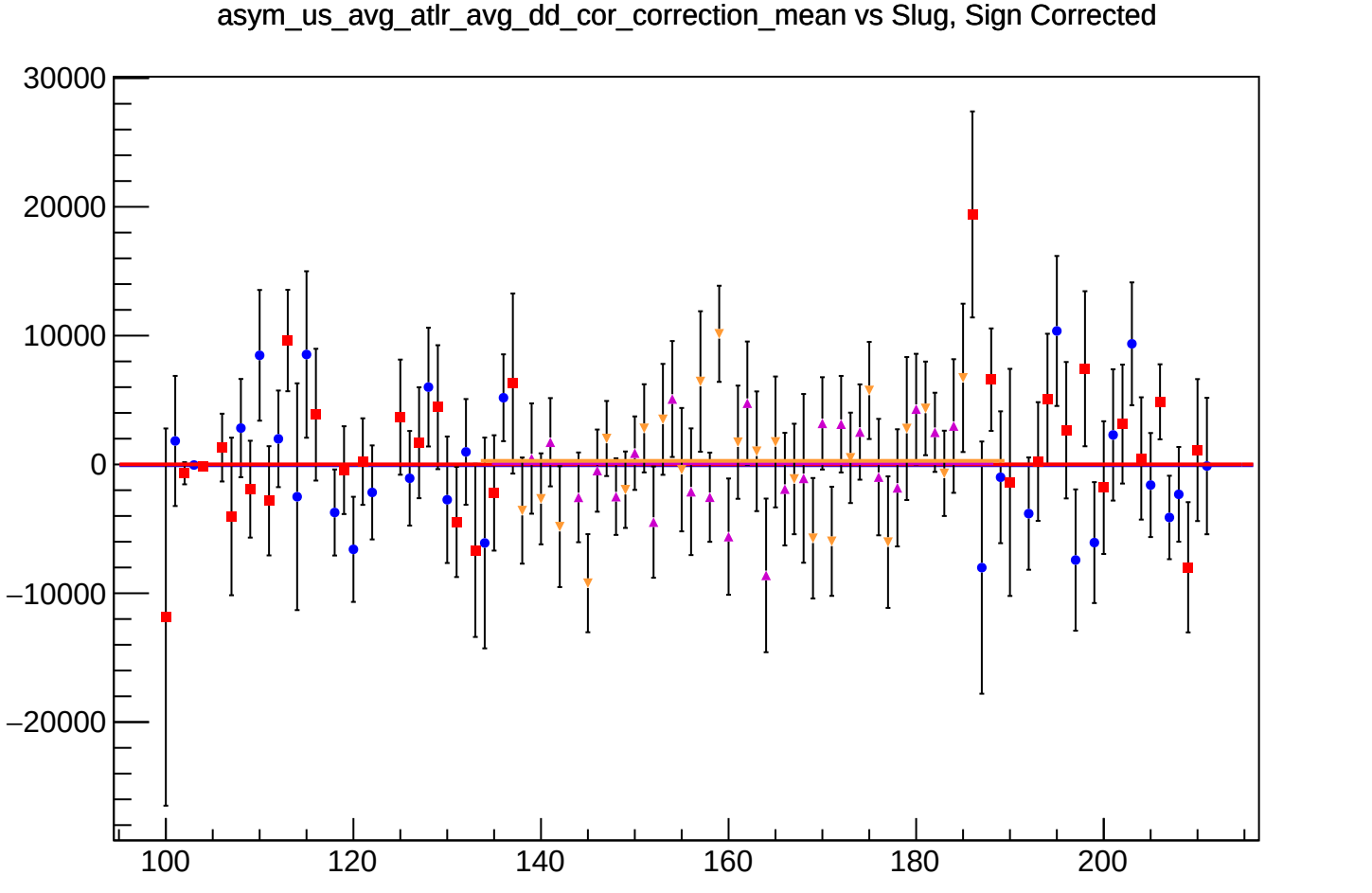
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1128.129+/-0.138 χ^2/NDF: 895409.9/58

In: 1111.194+/-0.134 χ^2/NDF:702436.3/50

Out: 1115.751+/-0.132 χ^2/NDF:324434.0/54

All: 1113.505+/-0.094 χ^2/NDF: 1027460.5/10



Right In: -58.177+/-333.651 χ^2/NDF: 29.2/27

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: 5.380+/-308.780 χ^2/NDF: 31.6/30

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

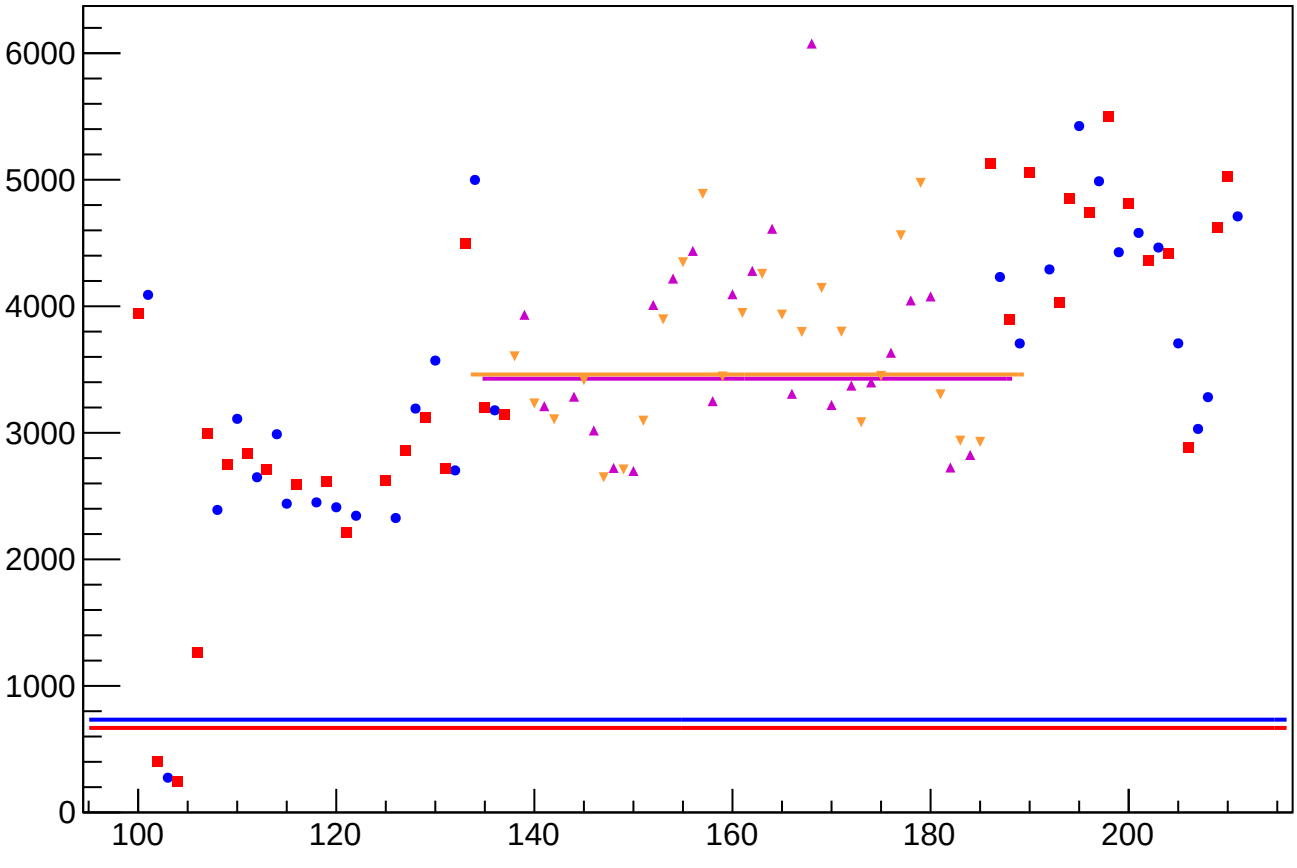
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -23.942+/-226.623 χ^2/NDF: 60.8/58

In: -36.329+/-308.898 χ^2/NDF:42.9/50

Out: 39.142+/-288.993 χ^2/NDF:61.6/54

All: 3.916+/-211.035 χ^2/NDF: 104.5/105



Right In: 733.345+/-0.236 χ^2/NDF: 23175238.8/27

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 668.001+/-0.218 χ^2/NDF: 24688967.8/30

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

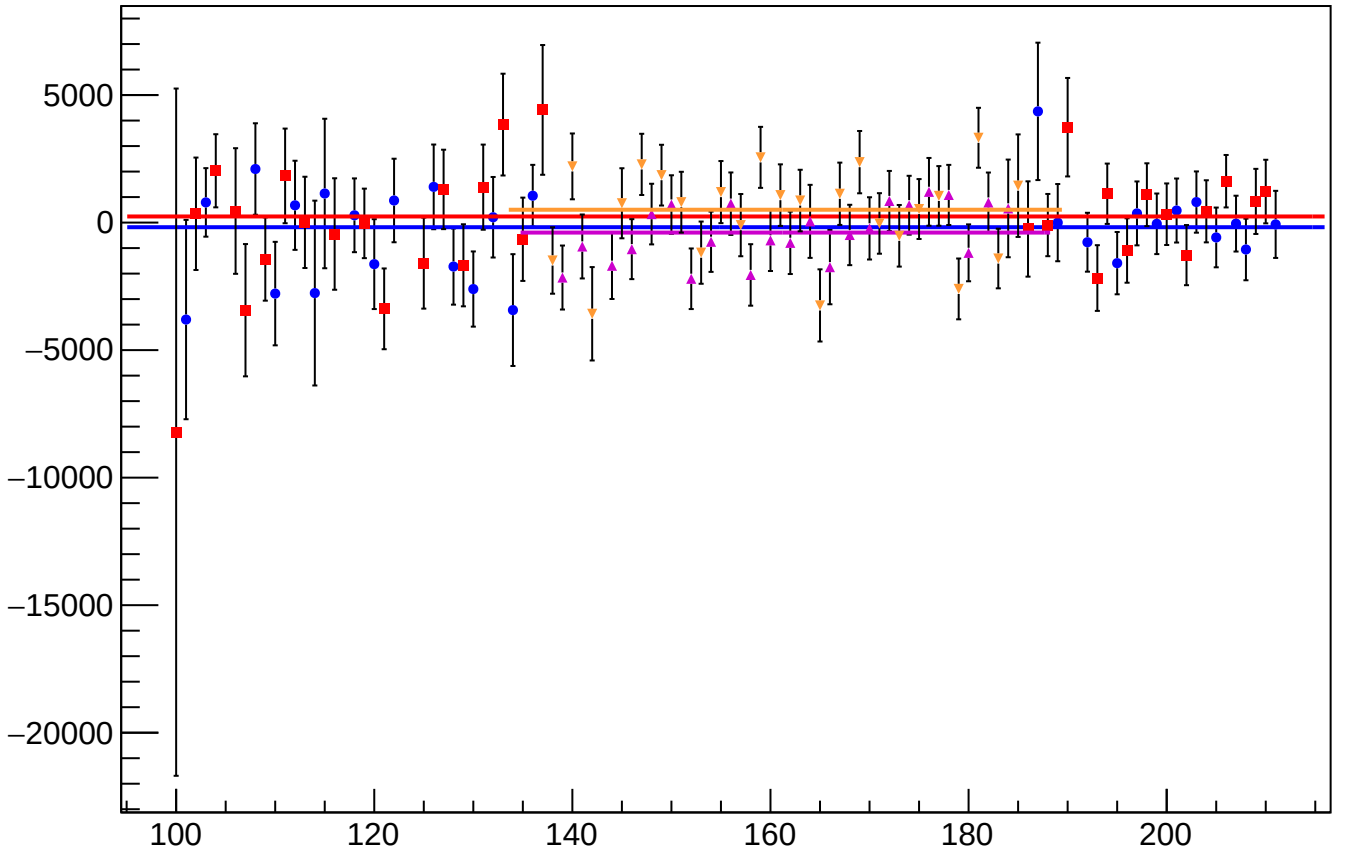
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 698.147+/-0.160 χ^2/NDF: 47905528.0/58

In: 1118.318+/-0.218 χ^2/NDF:43054481.6/50

Out: 1014.519+/-0.204 χ^2/NDF:46051147.7/54

All: 1062.967+/-0.149 χ^2/NDF: 89226055.5/1



Right In: -181.127+/-278.133 χ^2/NDF: 21.0/27

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 239.863+/-272.137 χ^2/NDF: 34.2/30

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

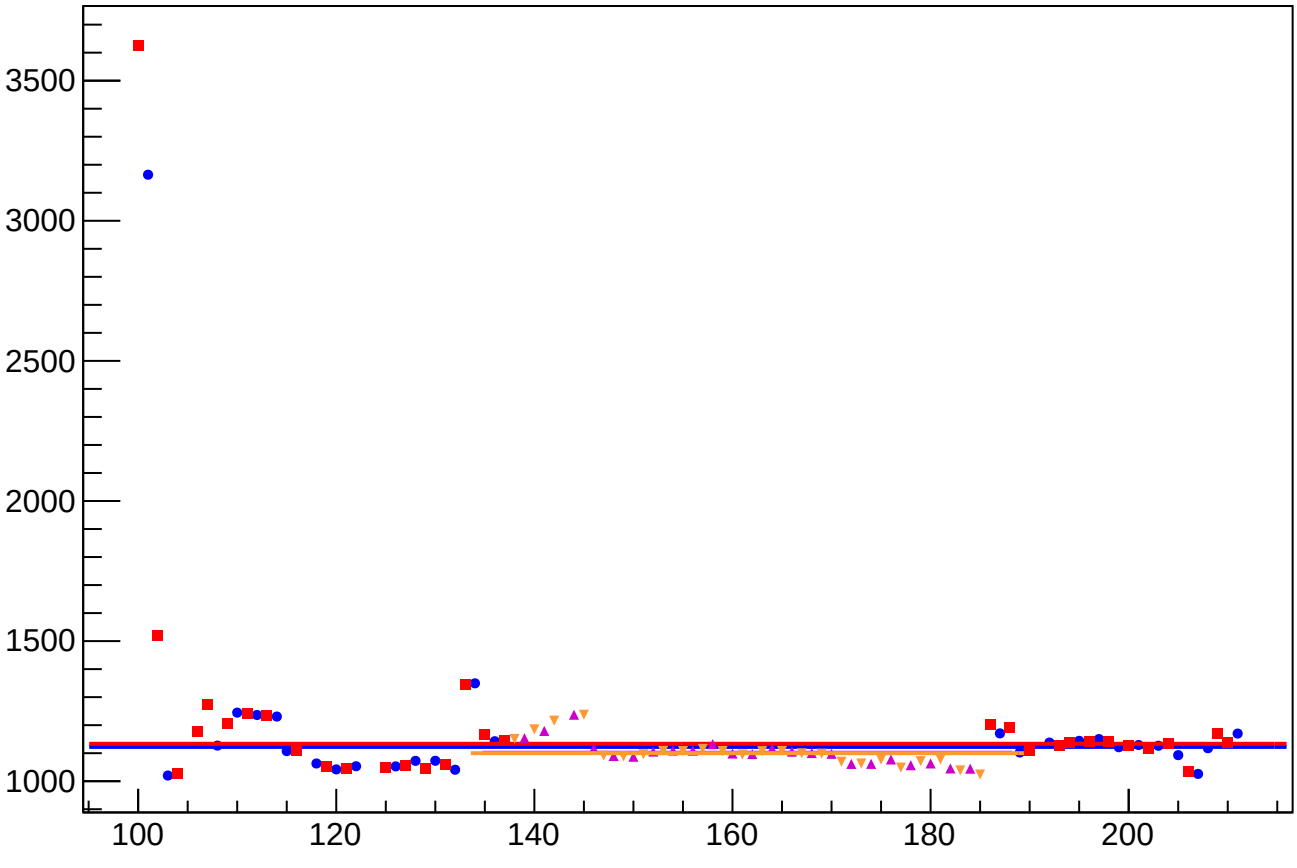
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 33.954+/-194.515 χ^2/NDF: 56.4/58

In: -294.553+/-188.909 χ^2/NDF:39.2/50

Out: 380.065+/-186.282 χ^2/NDF:79.3/54

All: 47.480+/-132.640 χ^2/NDF: 124.9/105



Right In: 1122.479+/-0.197 χ^2/NDF: 644178.4/27

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.536+/-0.192 χ^2/NDF: 249616.2/30

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

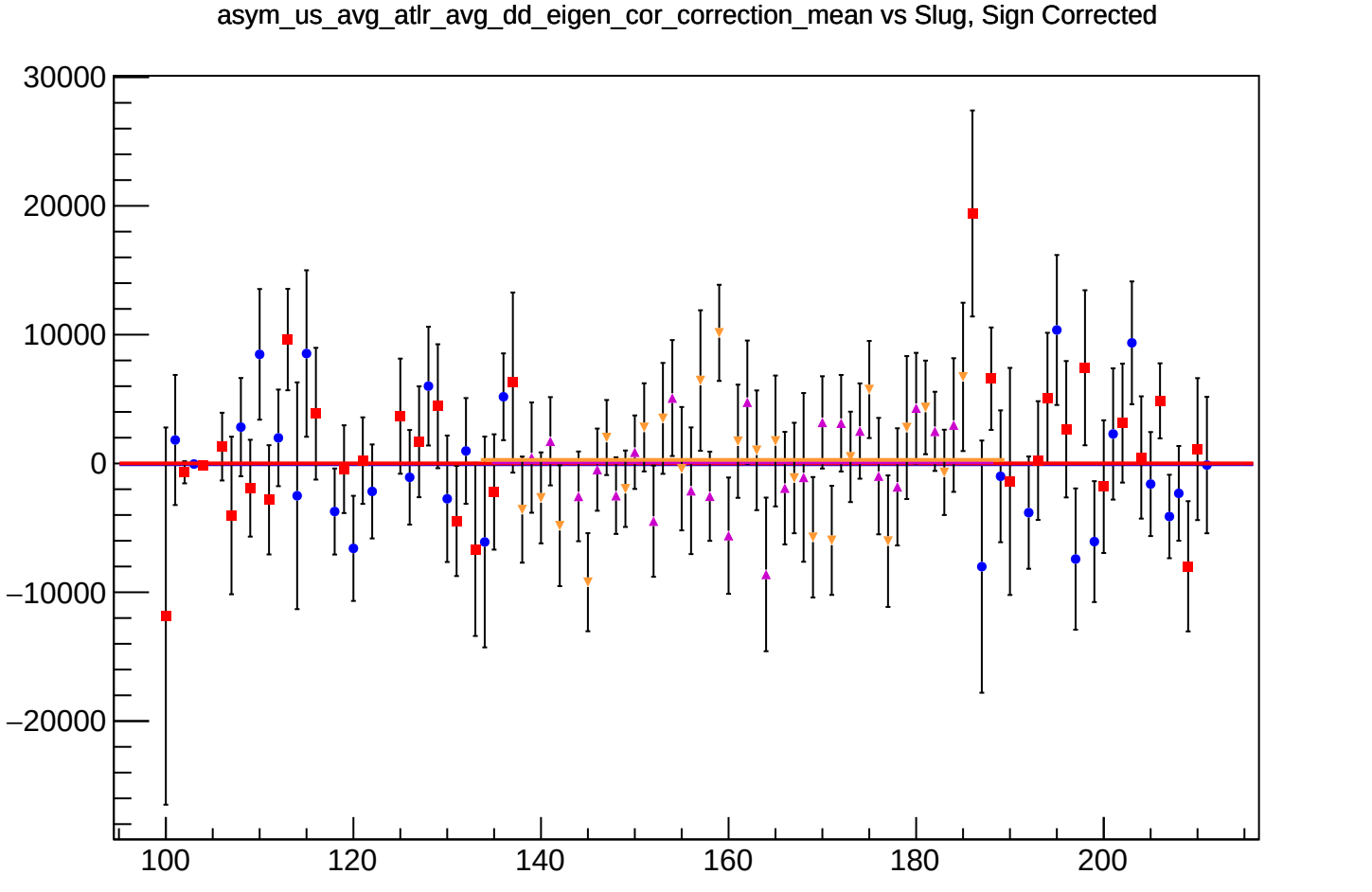
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1128.129+/-0.138 χ^2/NDF: 895409.9/58

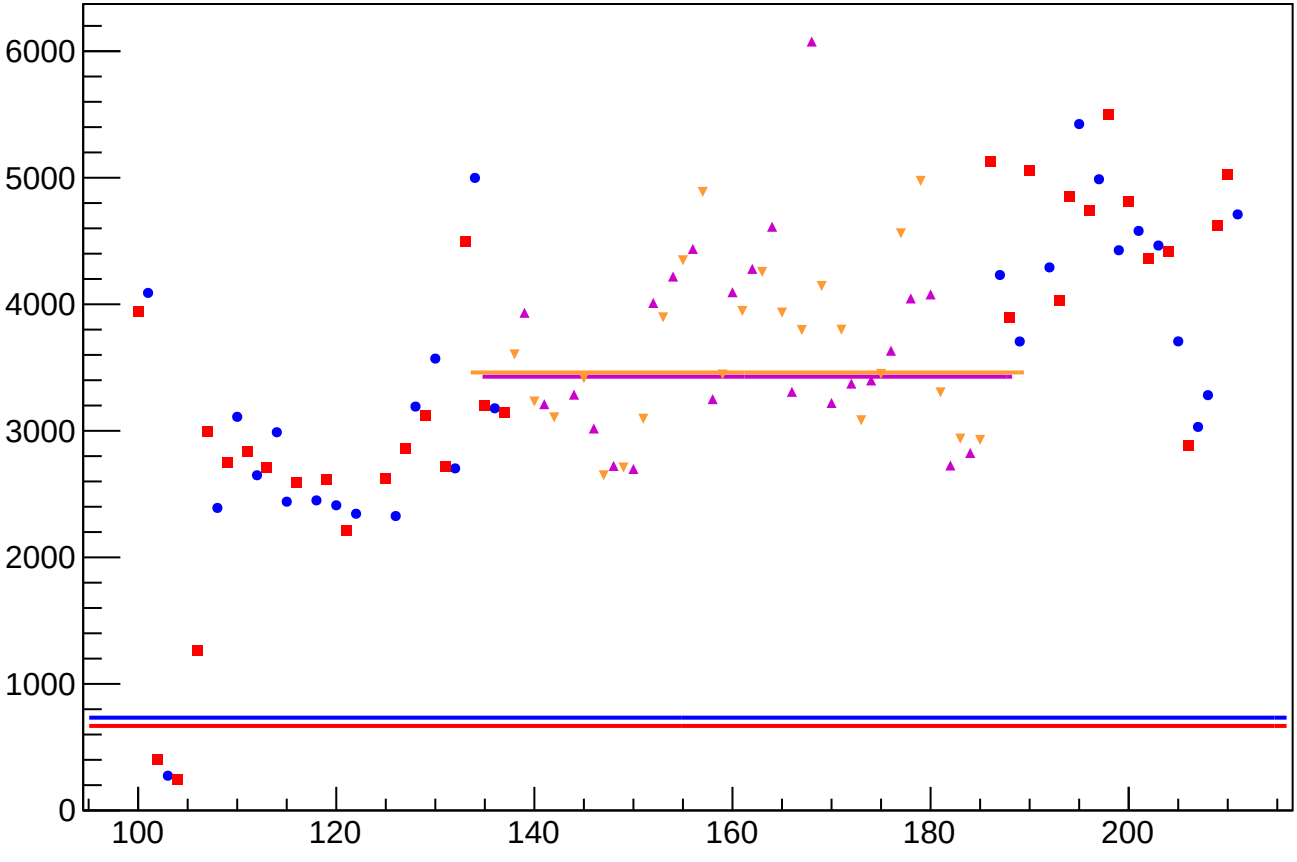
In: 1111.194+/-0.134 χ^2/NDF:702436.3/50

Out: 1115.751+/-0.132 χ^2/NDF:324434.0/54

All: 1113.505+/-0.094 χ^2/NDF: 1027460.5/10


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: -58.177+/-333.651 χ²/NDF: 29.2/27
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 5.380+/-308.780 χ²/NDF: 31.6/30
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -23.942+/-226.623 χ²/NDF: 60.8/58
In: -36.329+/-308.898 χ²/NDF:42.9/50
Out: 39.142+/-288.993 χ²/NDF:61.6/54
All: 3.916+/-211.035 χ²/NDF: 104.5/105

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 733.345+/-0.236 χ^2/NDF: 23175238.8/27

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 668.001+/-0.218 χ^2/NDF: 24688967.8/30

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

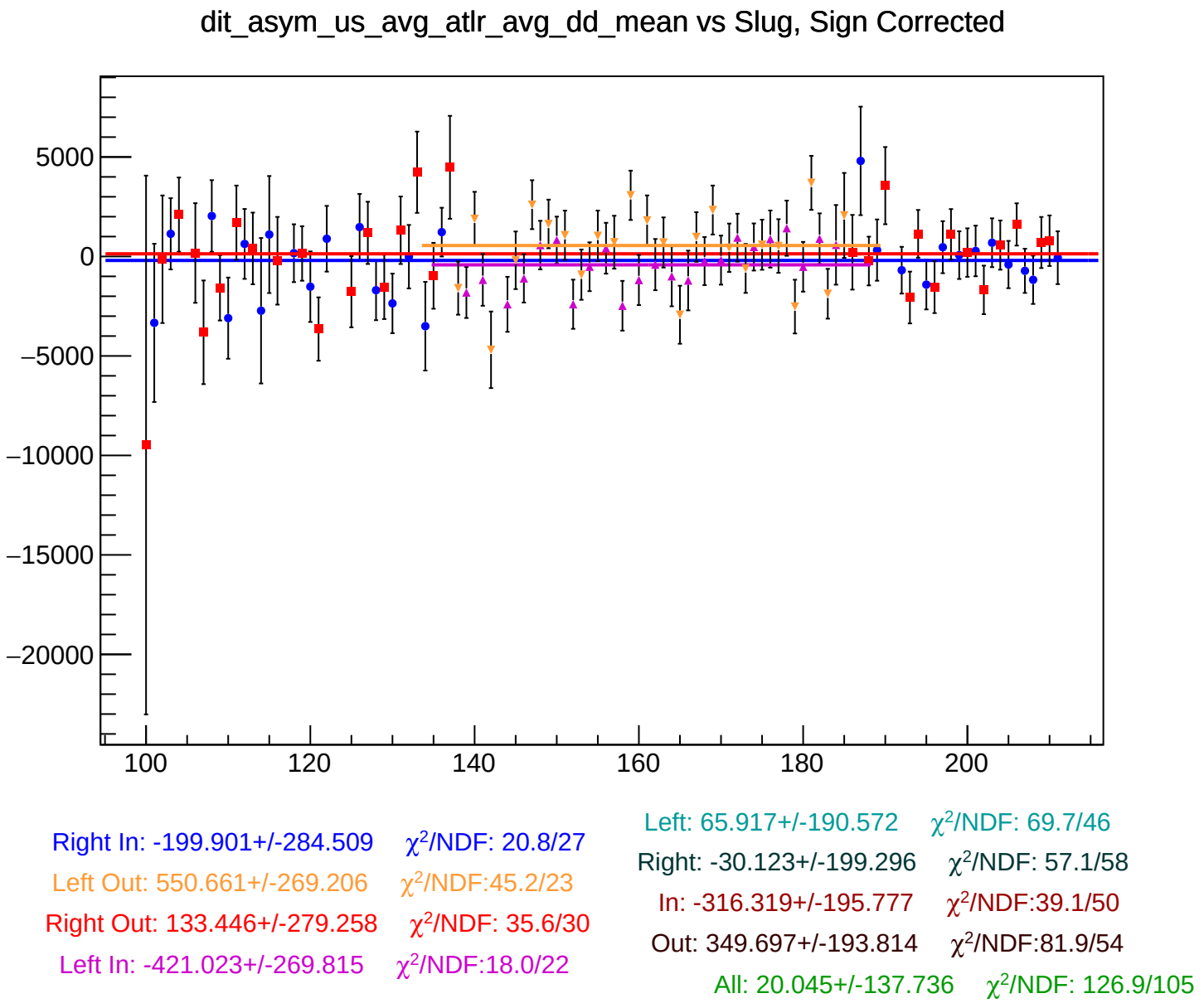
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

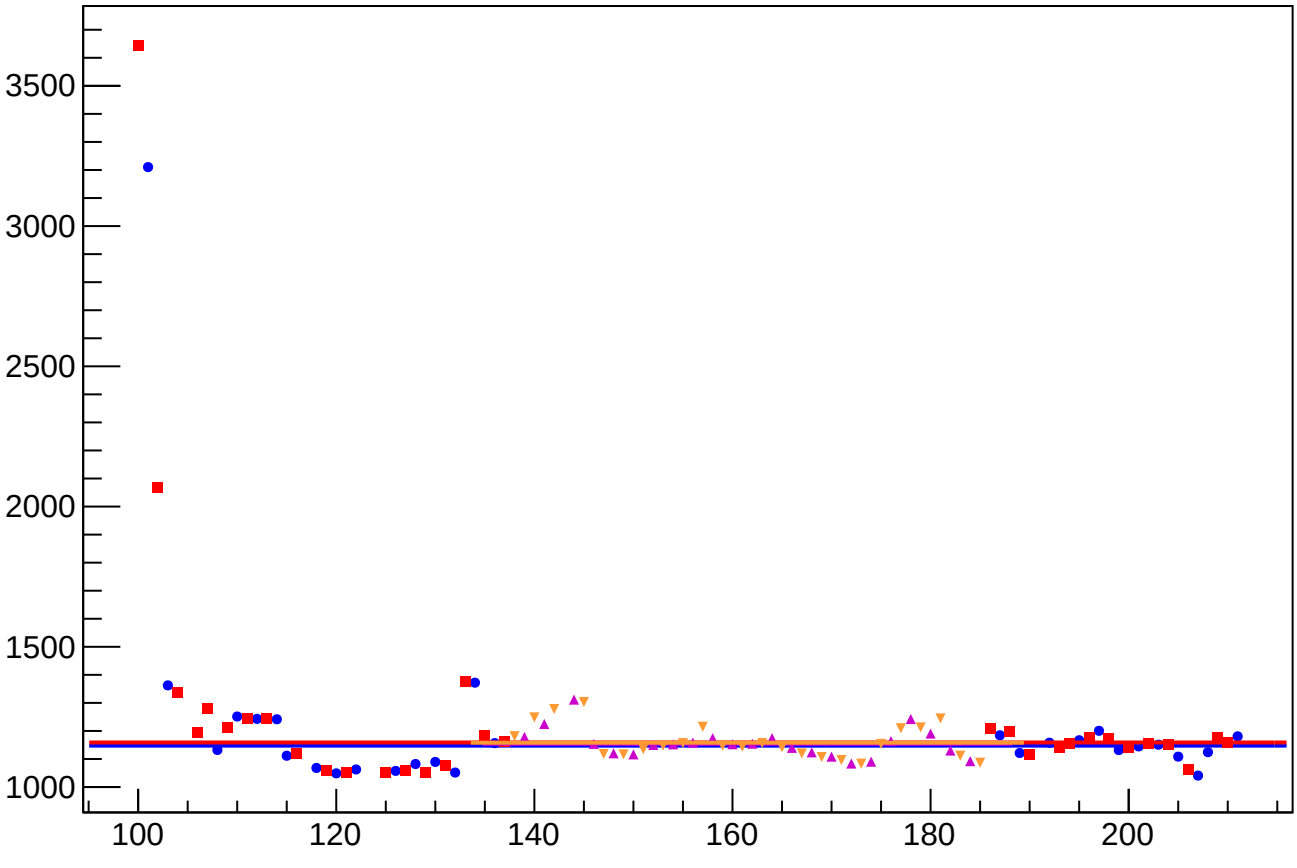
Right: 698.147+/-0.160 χ^2/NDF: 47905528.0/58

In: 1118.318+/-0.218 χ^2/NDF:43054481.6/50

Out: 1014.519+/-0.204 χ^2/NDF:46051147.7/54

All: 1062.967+/-0.149 χ^2/NDF: 89226055.5/1


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: -199.901+/-284.509 χ²/NDF: 20.8/27
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 133.446+/-279.258 χ²/NDF: 35.6/30
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -30.123+/-199.296 χ²/NDF: 57.1/58
In: -316.319+/-195.777 χ²/NDF:39.1/50
Out: 349.697+/-193.814 χ²/NDF:81.9/54
All: 20.045+/-137.736 χ²/NDF: 126.9/105



Right In: 1147.667+/-0.201 χ^2/NDF: 665597.3/27

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1158.886+/-0.197 χ^2/NDF: 356028.9/30

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

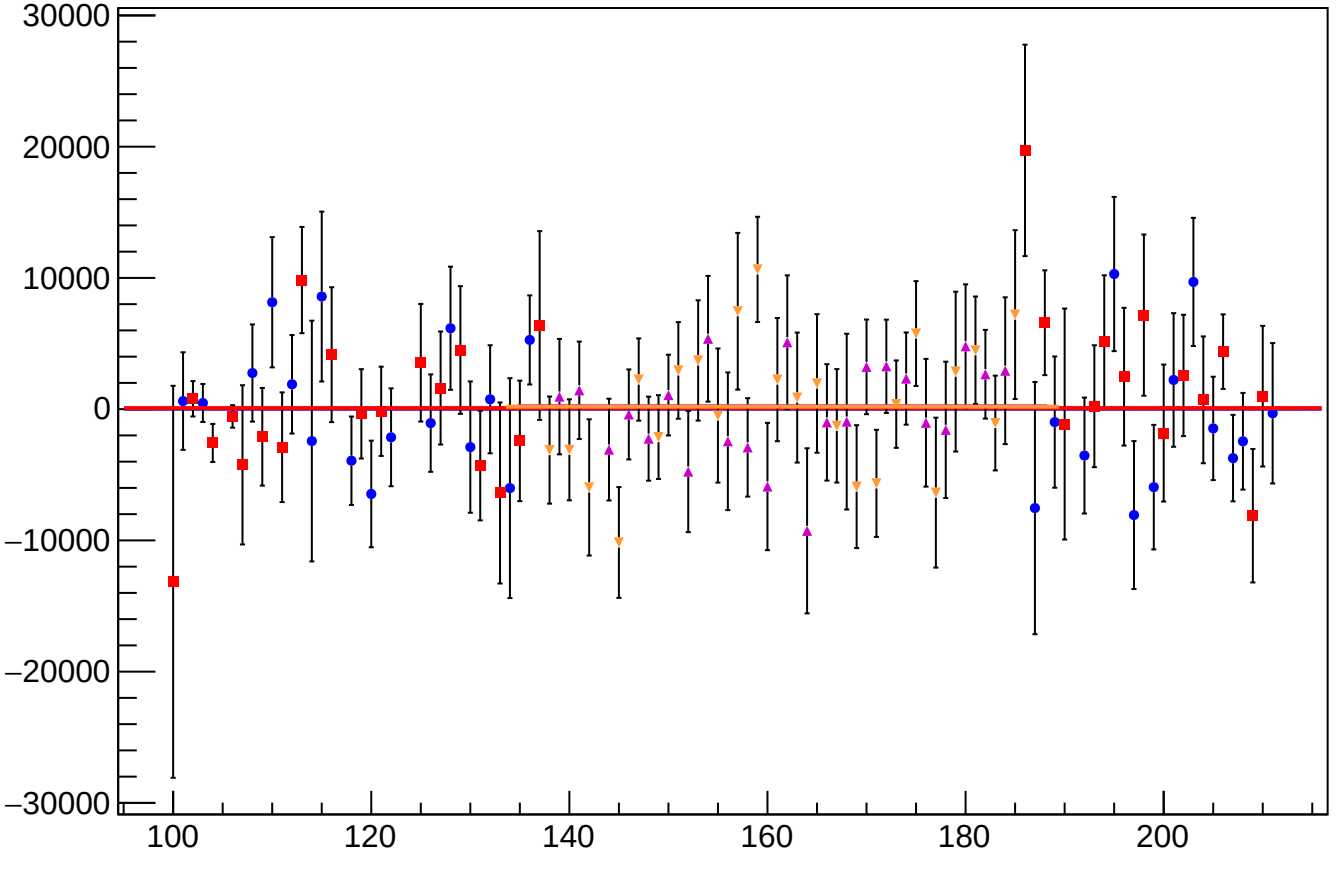
Right: 1153.382+/-0.141 χ^2/NDF: 1023210.2/58

In: 1151.123+/-0.138 χ^2/NDF:732634.6/50

Out: 1158.518+/-0.137 χ^2/NDF:440147.3/54

All: 1154.858+/-0.097 χ^2/NDF: 1174223.4/10

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 34.463+/-732.947 χ^2/NDF: 28.8/27

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 79.425+/-520.837 χ^2/NDF: 33.9/30

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

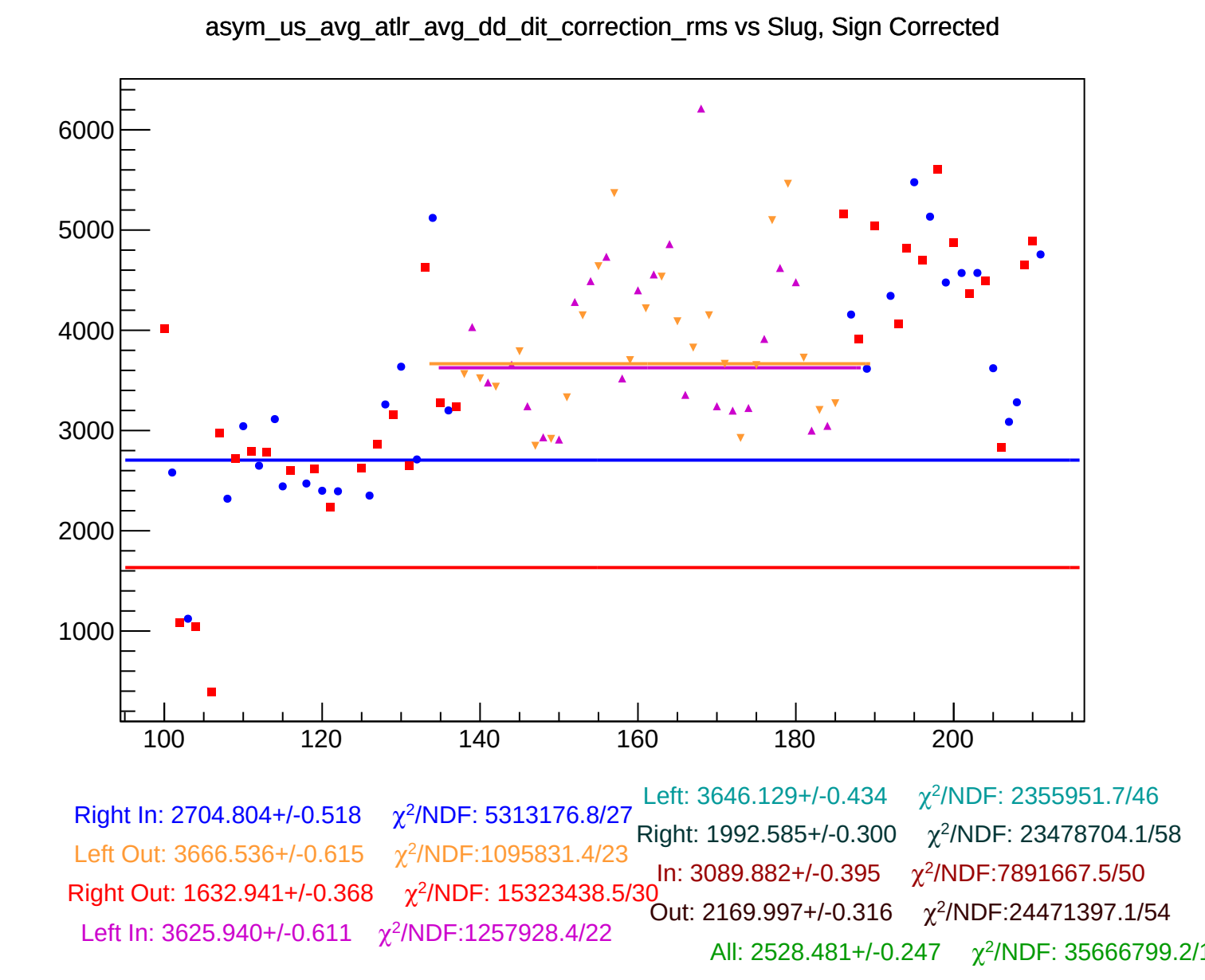
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

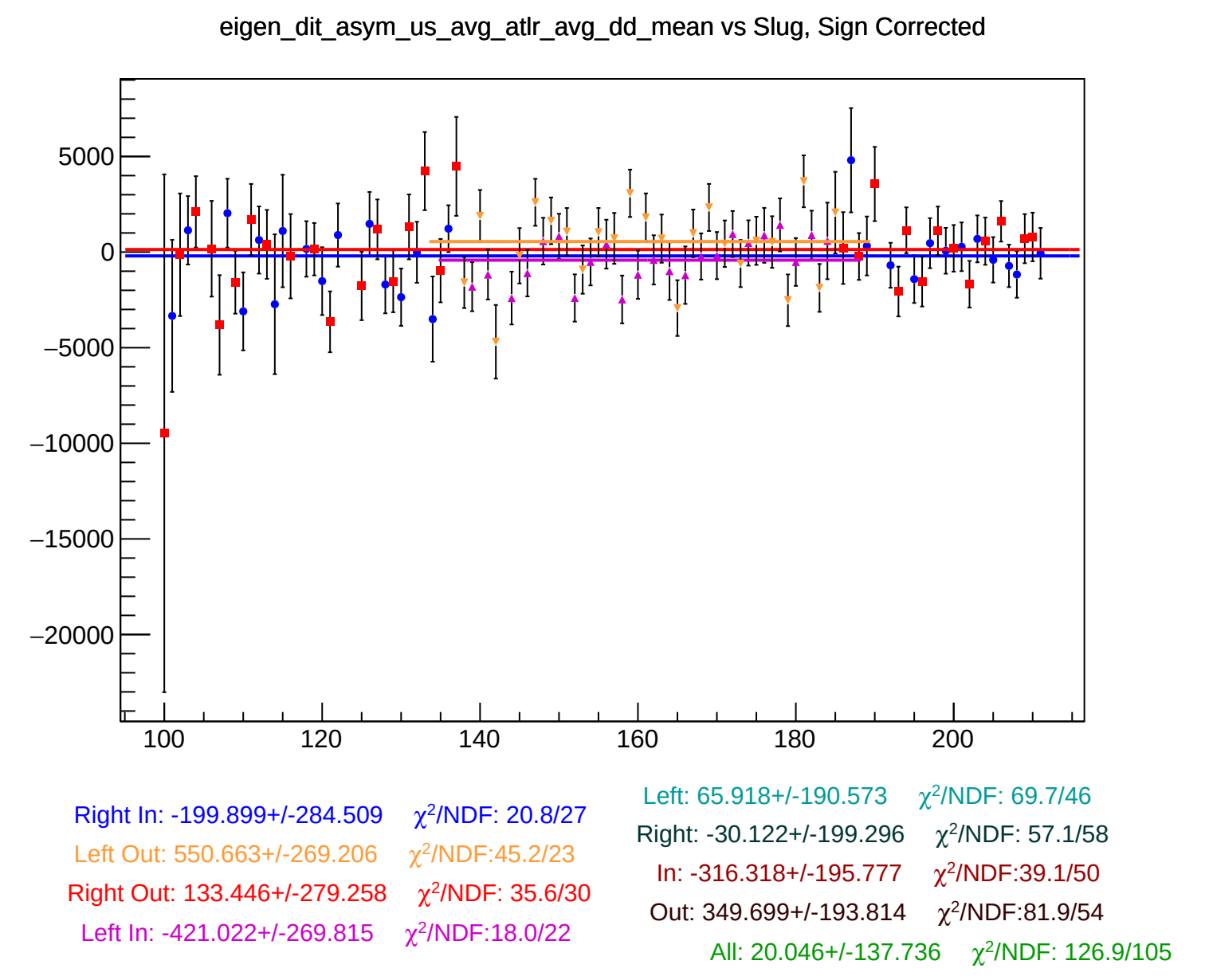
Right: 64.339+/-424.560 χ^2/NDF: 62.7/58

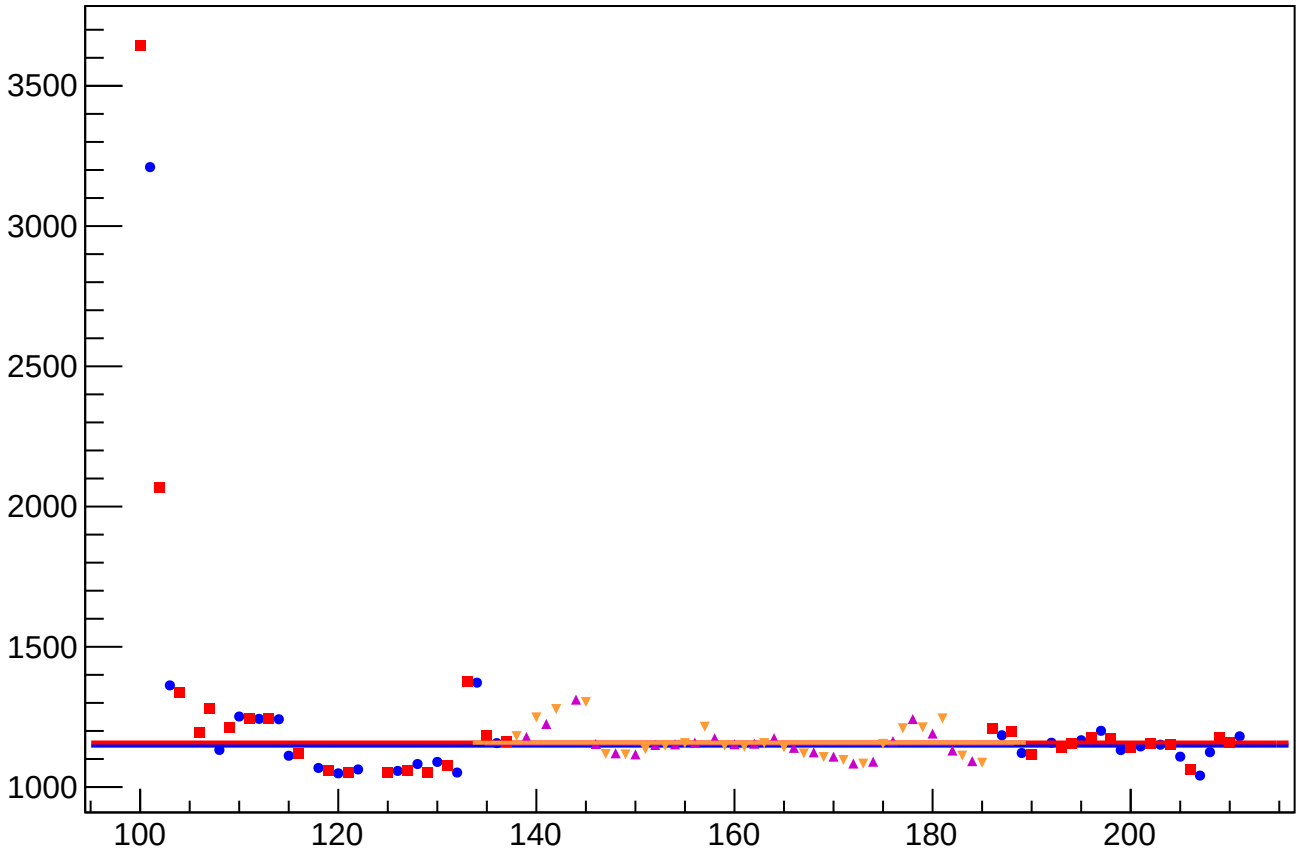
In: 112.595+/-559.134 χ^2/NDF:42.2/50

Out: 108.557+/-446.800 χ^2/NDF:63.2/54

All: 110.131+/-349.047 χ^2/NDF: 105.4/105


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: 2704.804+/-0.518 χ²/NDF: 5313176.8/27
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1632.941+/-0.368 χ²/NDF: 15323438.5/30
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1992.585+/-0.300 χ²/NDF: 23478704.1/58
In: 3089.882+/-0.395 χ²/NDF:7891667.5/50
Out: 2169.997+/-0.316 χ²/NDF:24471397.1/54
All: 2528.481+/-0.247 χ²/NDF: 35666799.2/1


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: -199.899+/-284.509 χ²/NDF: 20.8/27
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 133.446+/-279.258 χ²/NDF: 35.6/30
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -30.122+/-199.296 χ²/NDF: 57.1/58
In: -316.318+/-195.777 χ²/NDF:39.1/50
Out: 349.699+/-193.814 χ²/NDF:81.9/54
All: 20.046+/-137.736 χ²/NDF: 126.9/105



Right In: 1147.667+/-0.201 χ^2/NDF: 665597.7/27

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1158.886+/-0.197 χ^2/NDF: 356028.7/30

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

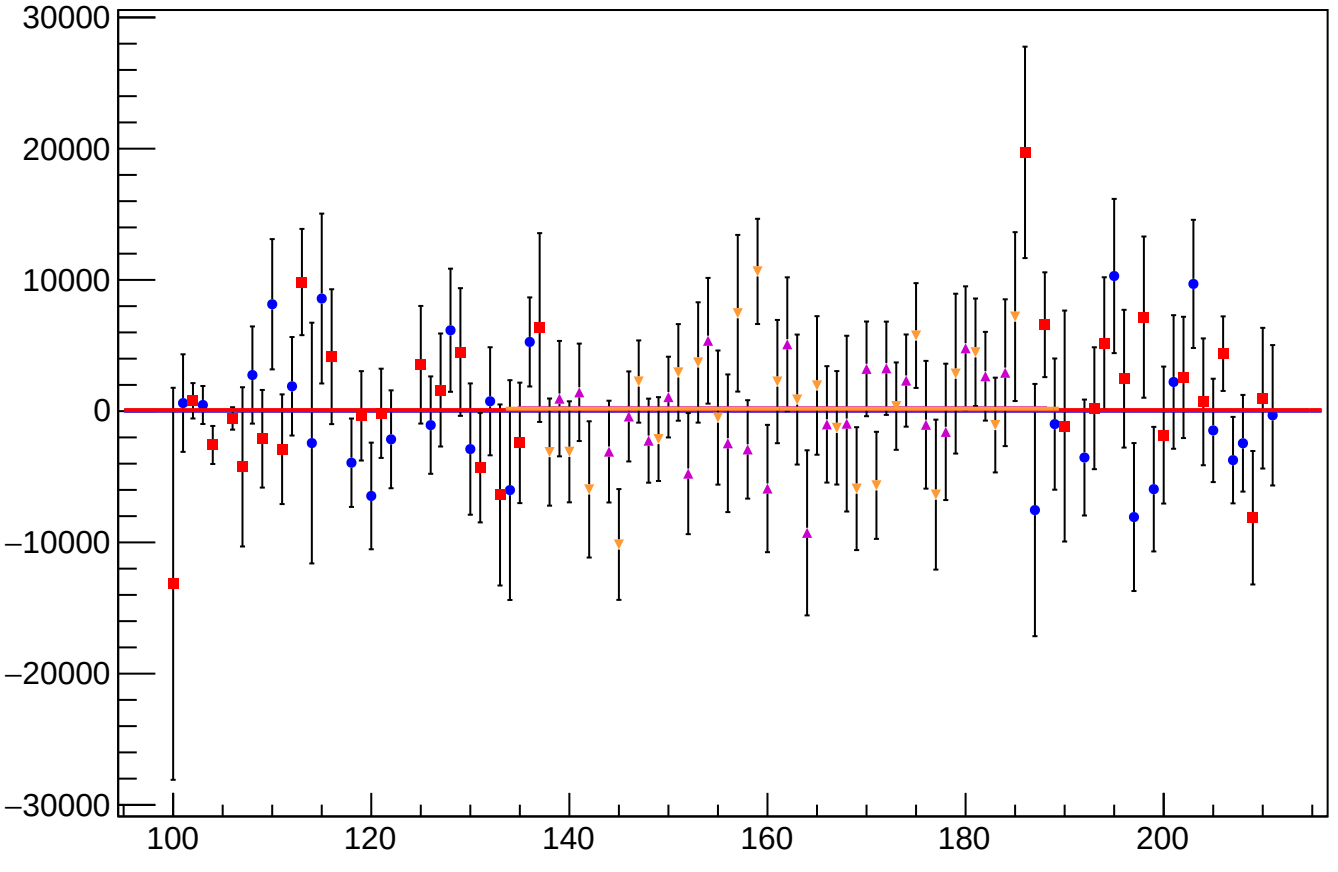
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1153.382+/-0.141 χ^2/NDF: 1023210.4/58

In: 1151.123+/-0.138 χ^2/NDF:732637.7/50

Out: 1158.519+/-0.137 χ^2/NDF:440149.6/54

All: 1154.859+/-0.097 χ^2/NDF: 1174228.7/10



Right In: 34.461+/-732.946 χ^2/NDF: 28.8/27

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: 79.414+/-520.832 χ^2/NDF: 33.9/30

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

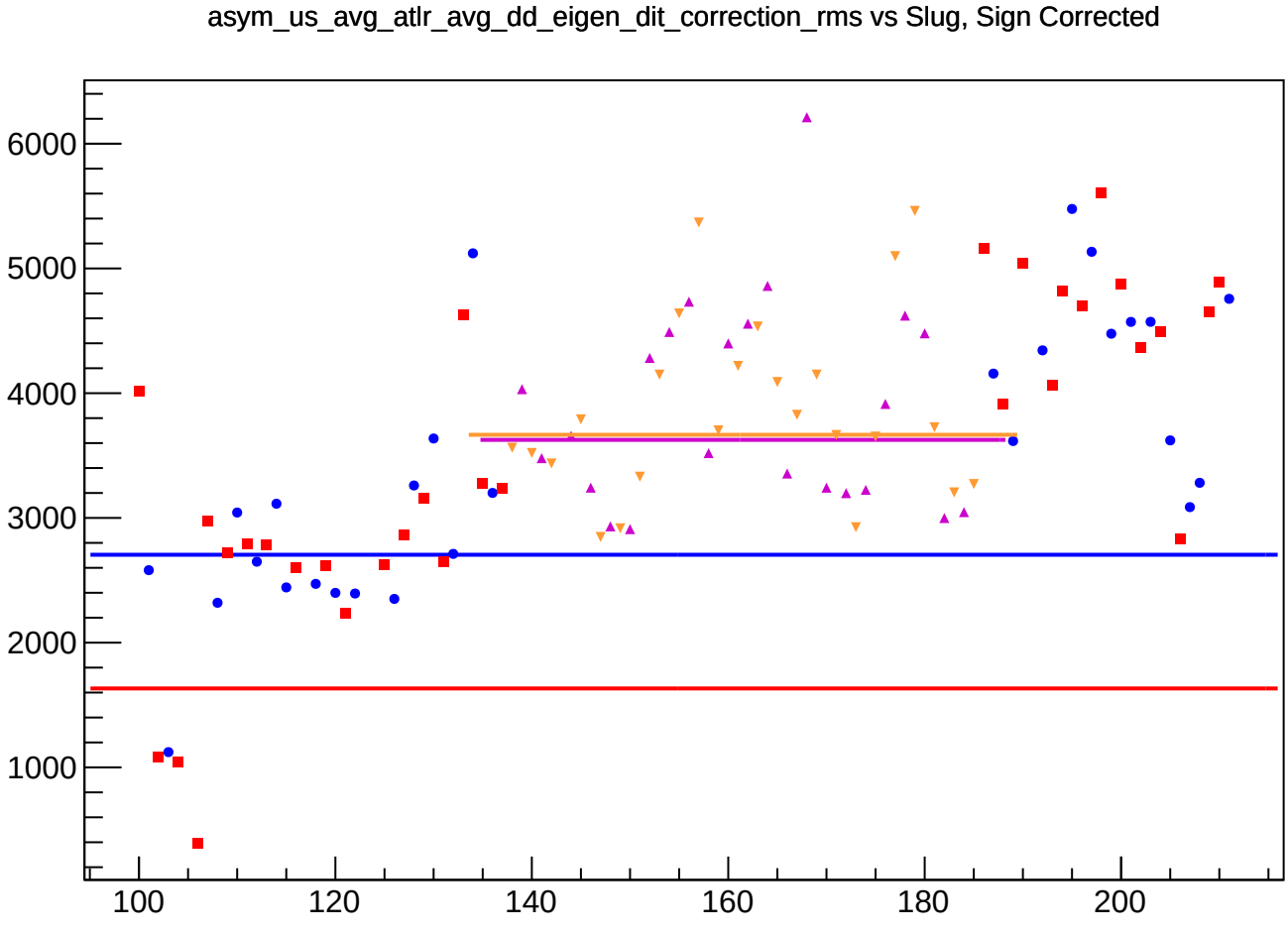
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 64.331+/-424.557 χ^2/NDF: 62.7/58

In: 112.595+/-559.134 χ^2/NDF:42.2/50

Out: 108.548+/-446.797 χ^2/NDF:63.2/54

All: 110.125+/-349.045 χ^2/NDF: 105.4/105



Right In: 2704.801+/-0.518 χ^2/NDF: 5313200.4/27

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1632.912+/-0.368 χ^2/NDF: 15323745.5/30

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

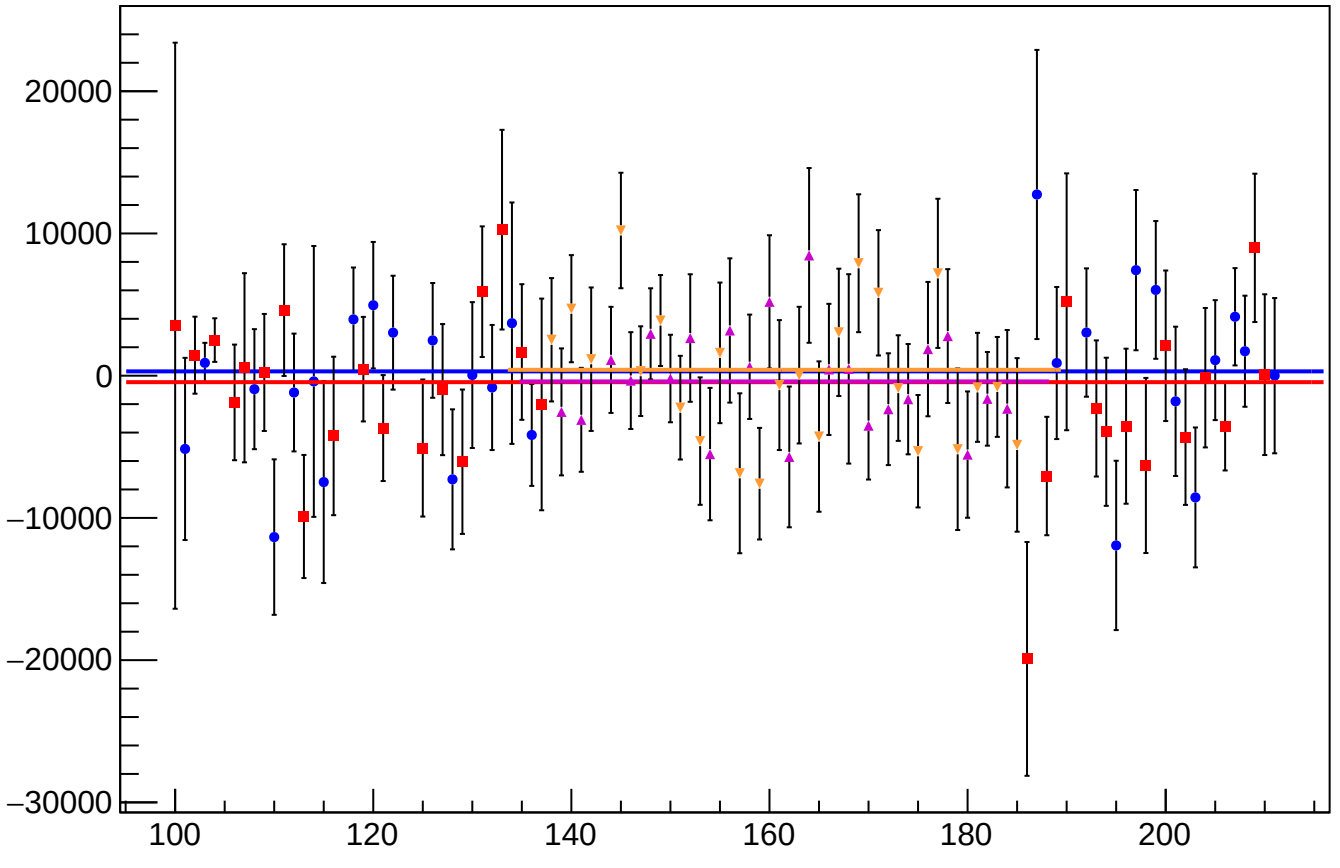
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1992.560+/-0.300 χ^2/NDF: 23479196.5/58

In: 3089.882+/-0.395 χ^2/NDF:7891715.9/50

Out: 2169.968+/-0.316 χ^2/NDF:24472005.0/54

All: 2528.459+/-0.247 χ^2/NDF: 35667678.8/1



Right In: 303.375+/-768.263 χ^2/NDF: 27.8/27

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -454.859+/-753.311 χ^2/NDF: 33.8/30

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

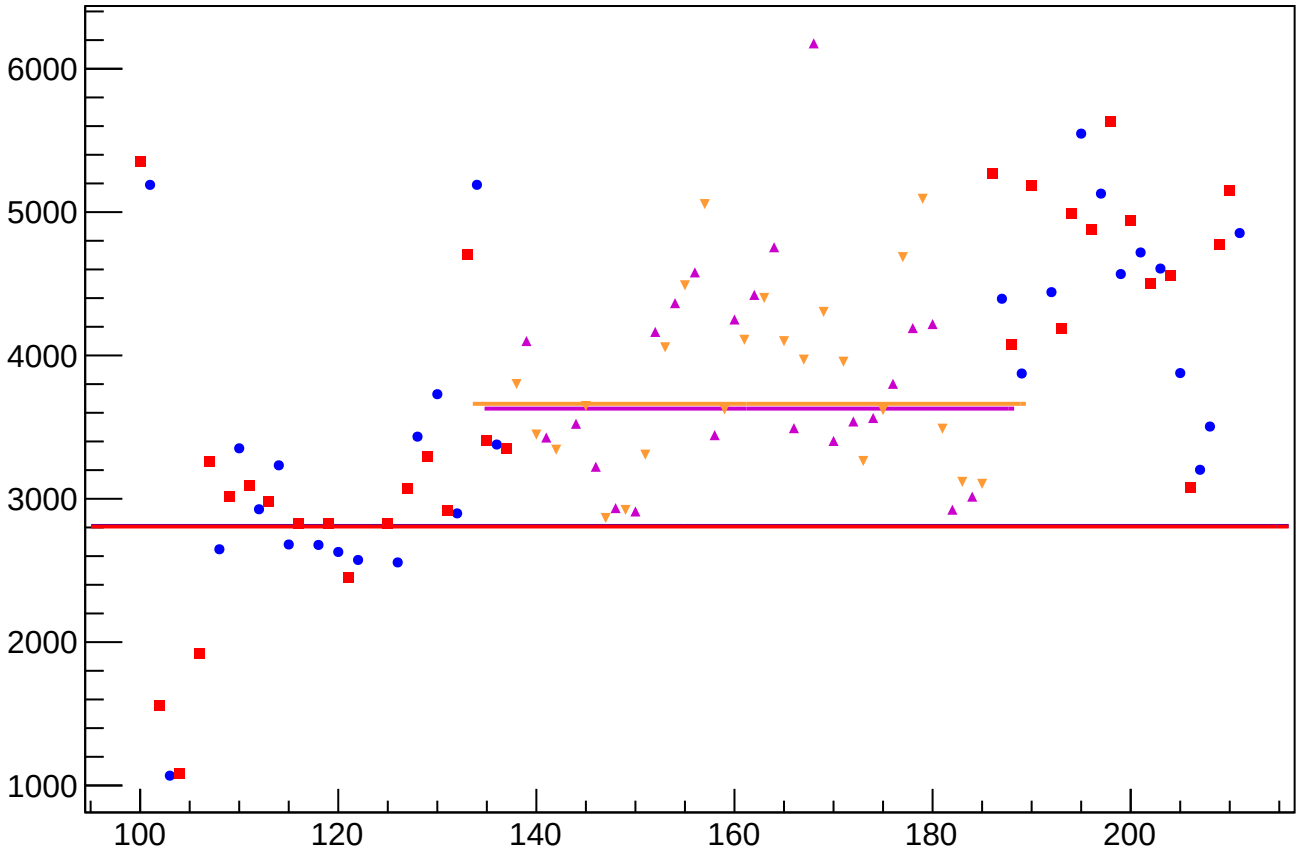
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -83.192+/-537.880 χ^2/NDF: 62.1/58

In: -9.394+/-573.661 χ^2/NDF:40.5/50

Out: -80.491+/-568.177 χ^2/NDF:61.6/54

All: -45.284+/-403.687 χ^2/NDF: 102.1/105



Right In: 2810.434+/-0.543 χ^2/NDF: 6132273.1/27

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2806.717+/-0.532 χ^2/NDF: 6562378.0/30

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

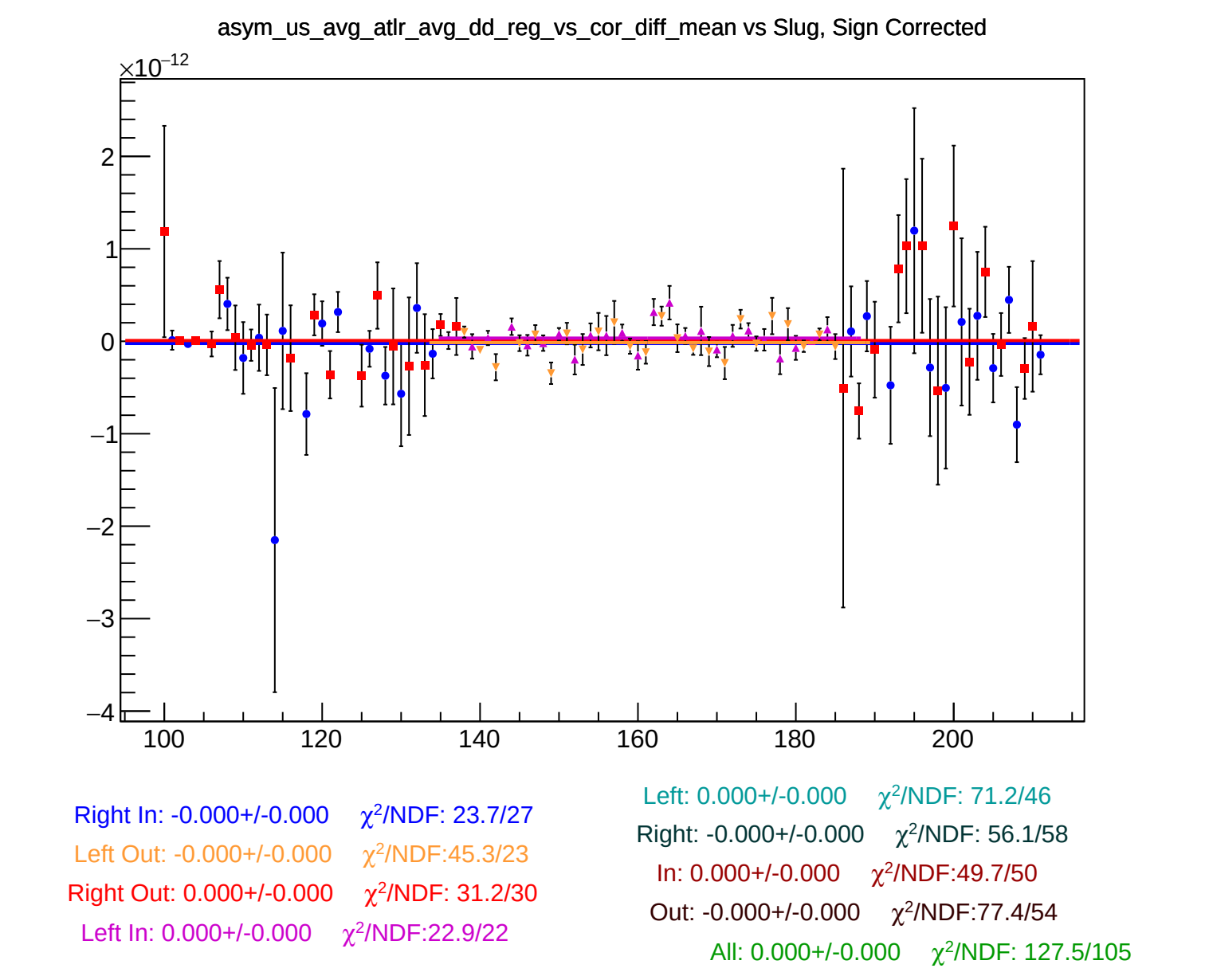
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2808.536+/-0.380 χ^2/NDF: 12694675.1/58

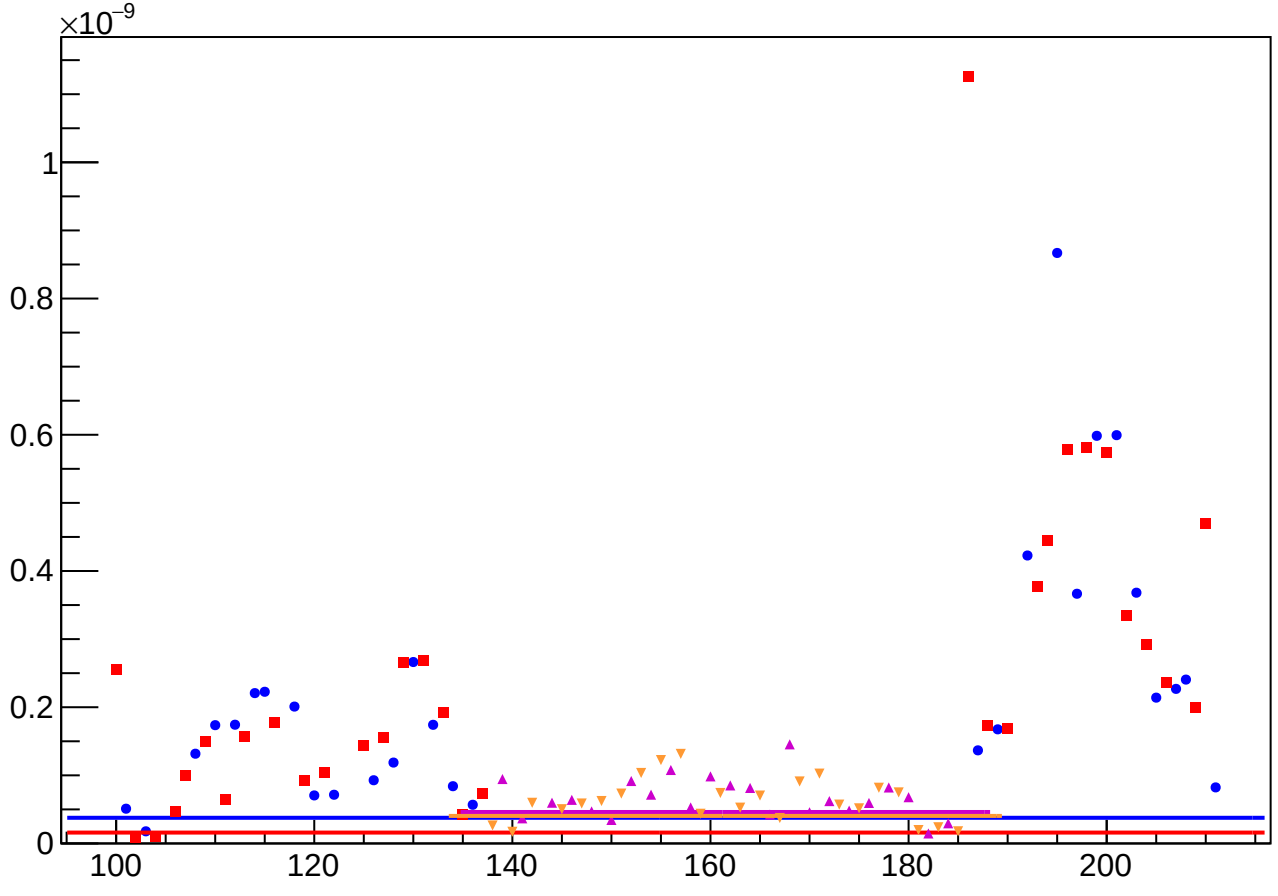
In: 3172.681+/-0.406 χ^2/NDF:8192230.1/50

Out: 3175.025+/-0.401 χ^2/NDF:8570671.5/54

All: 3173.866+/-0.285 χ^2/NDF: 16762918.5/1


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.7/27
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.2/30
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: -0.000+/-0.000 χ²/NDF: 56.1/58
In: 0.000+/-0.000 χ²/NDF:49.7/50
Out: -0.000+/-0.000 χ²/NDF:77.4/54
All: 0.000+/-0.000 χ²/NDF: 127.5/105

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9026044.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12068490.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

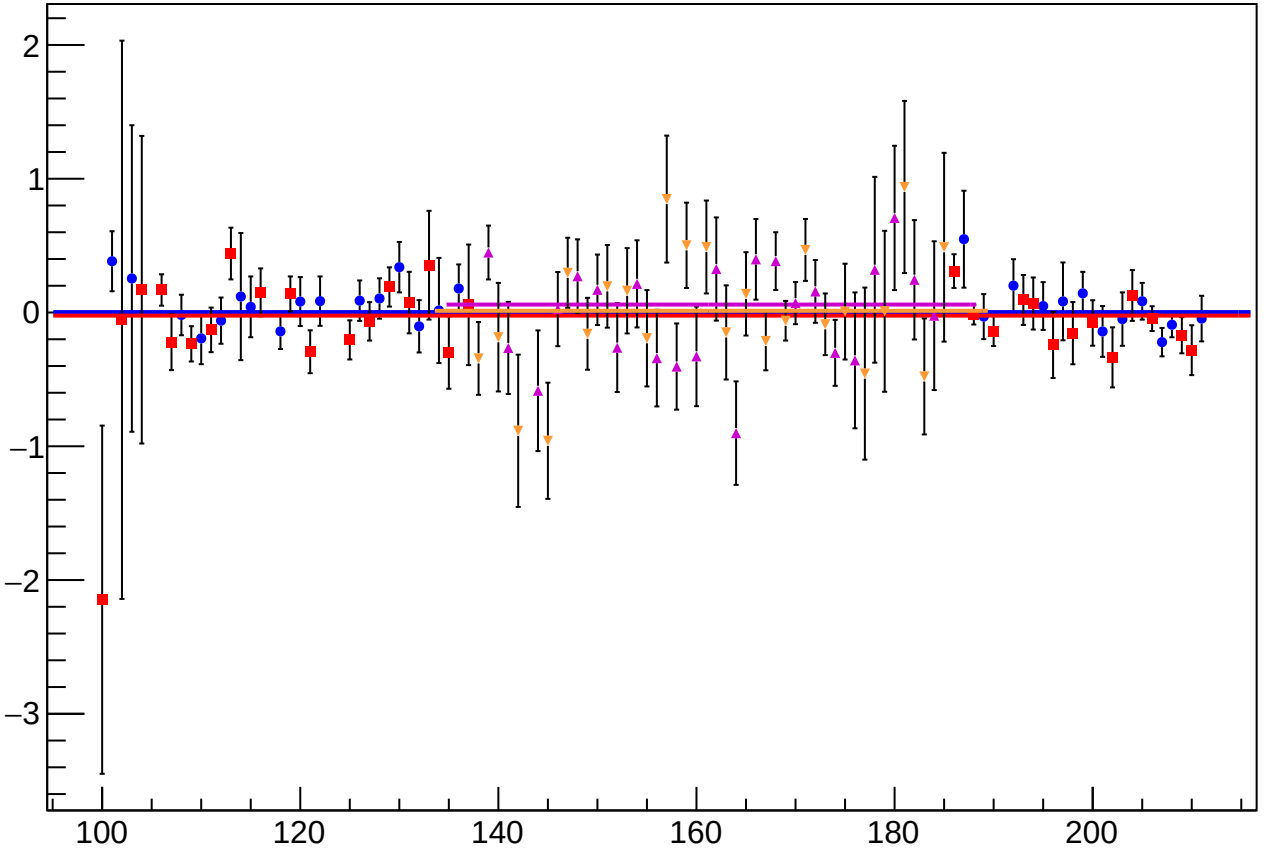
Right: 0.000+/-0.000 χ^2/NDF: 22213500.8/58

In: 0.000+/-0.000 χ^2/NDF:12120981.5/50

Out: 0.000+/-0.000 χ^2/NDF:17615387.0/54

All: 0.000+/-0.000 χ^2/NDF: 31325204.9/105

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

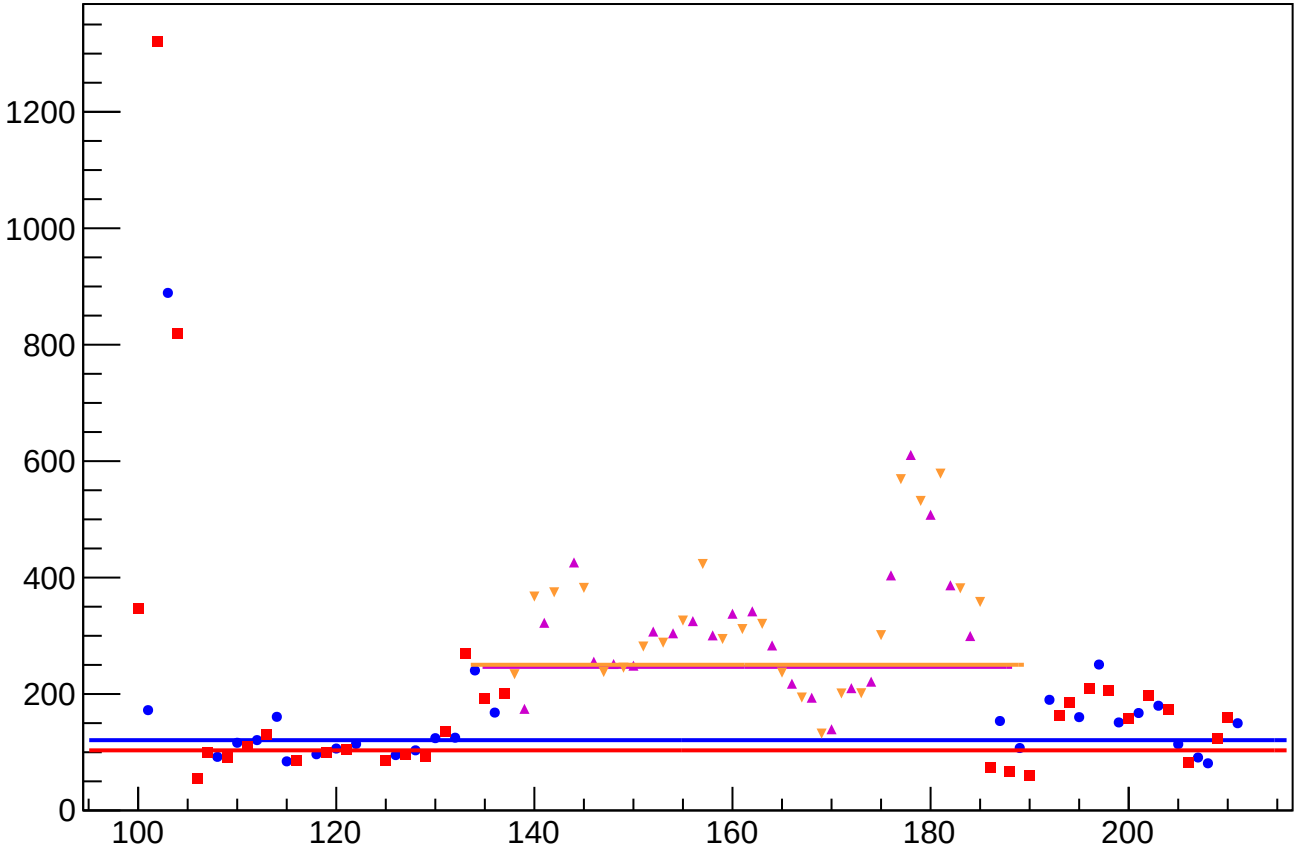
Right: -0.012+/-0.021 χ^2/NDF: 63.9/58

In: 0.015+/-0.029 χ^2/NDF:50.3/50

Out: -0.017+/-0.026 χ^2/NDF:71.4/54

All: -0.003+/-0.019 χ^2/NDF: 122.4/105

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.733+/-0.023 χ^2/NDF: 3355707.7/27

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.238+/-0.020 χ^2/NDF: 6049638.4/30

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

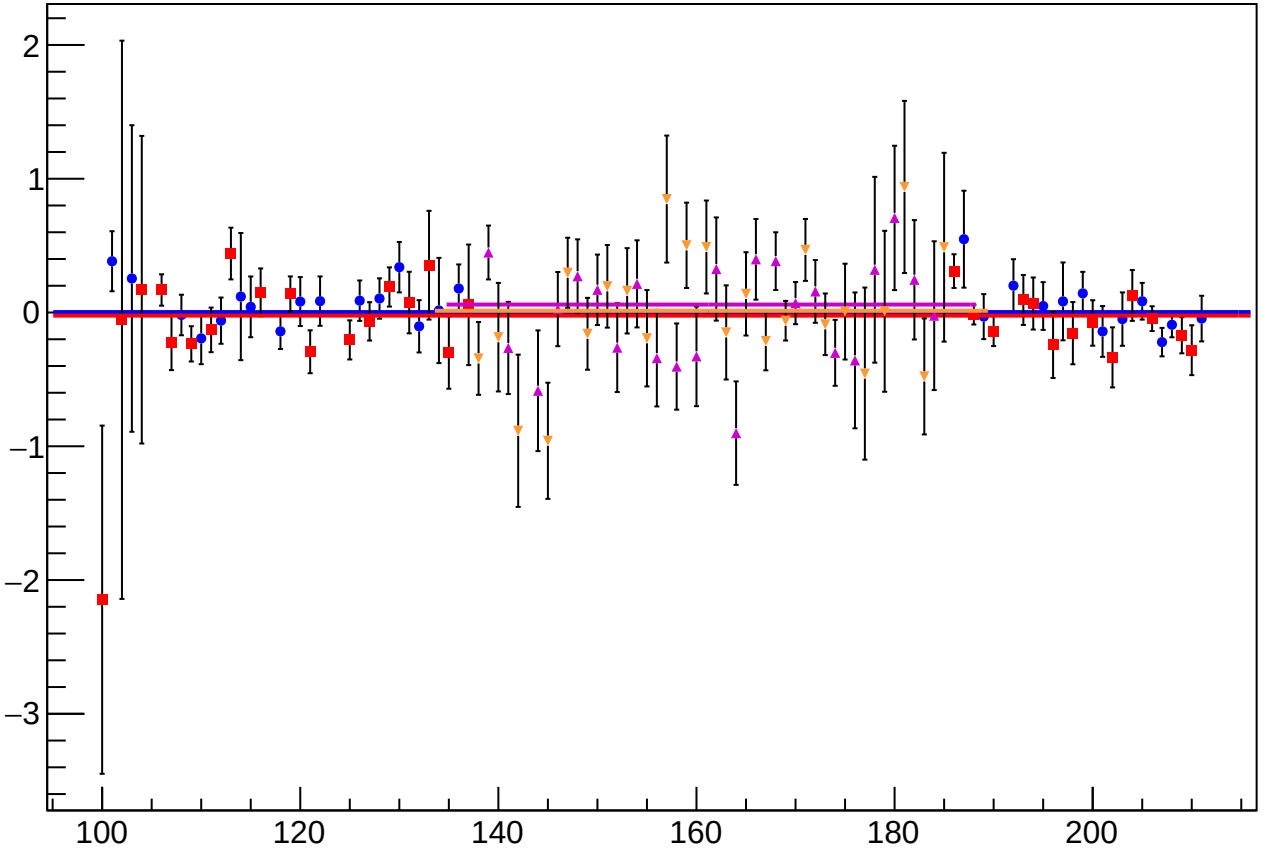
Right: 110.801+/-0.015 χ^2/NDF: 9731185.8/58

In: 148.073+/-0.020 χ^2/NDF:13582379.0/50

Out: 128.204+/-0.018 χ^2/NDF:19441254.5/54

All: 137.080+/-0.014 χ^2/NDF: 33546758.5/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

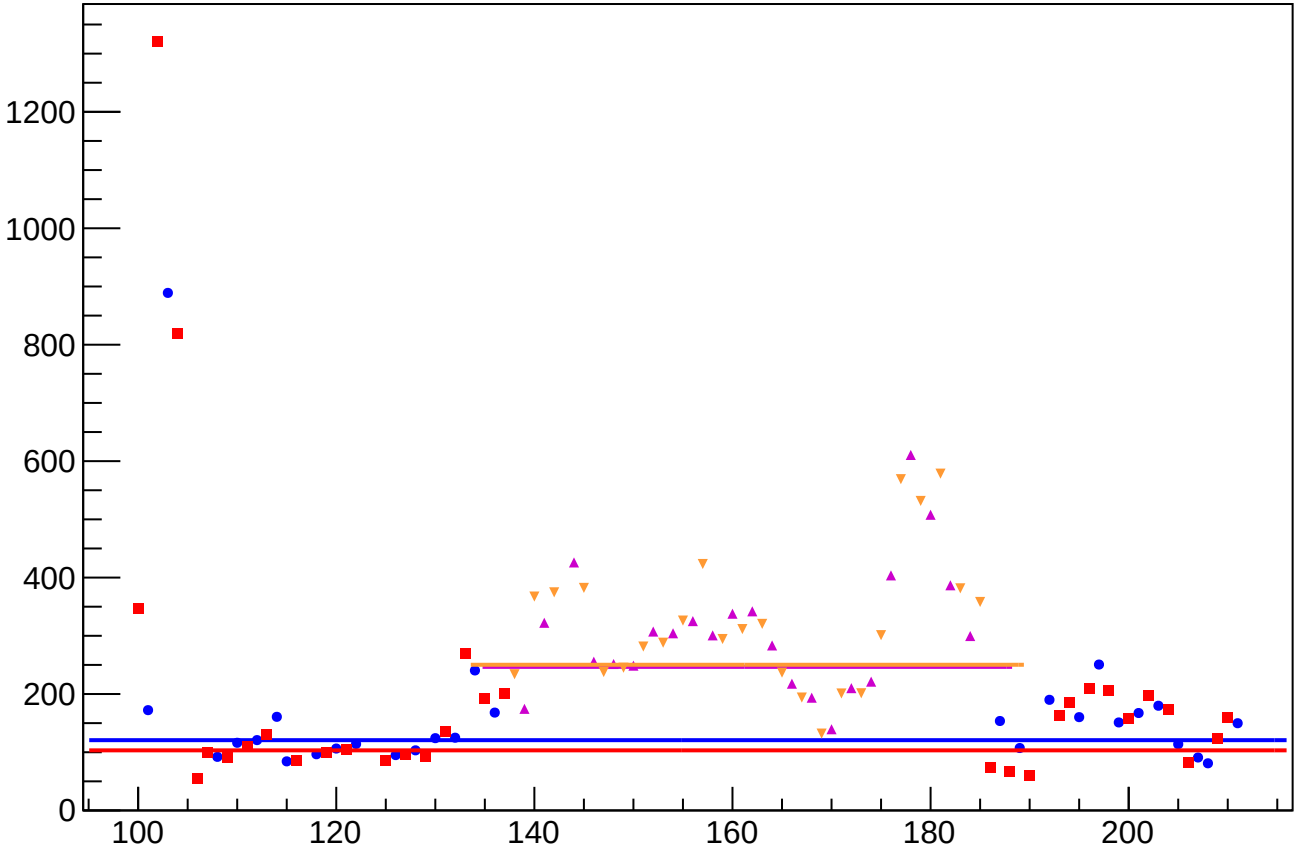
Right: -0.012+/-0.021 χ^2/NDF: 63.9/58

In: 0.015+/-0.029 χ^2/NDF:50.3/50

Out: -0.017+/-0.026 χ^2/NDF:71.4/54

All: -0.003+/-0.019 χ^2/NDF: 122.4/105

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.733+/-0.023 χ^2/NDF: 3355707.7/27

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.238+/-0.020 χ^2/NDF: 6049638.4/30

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

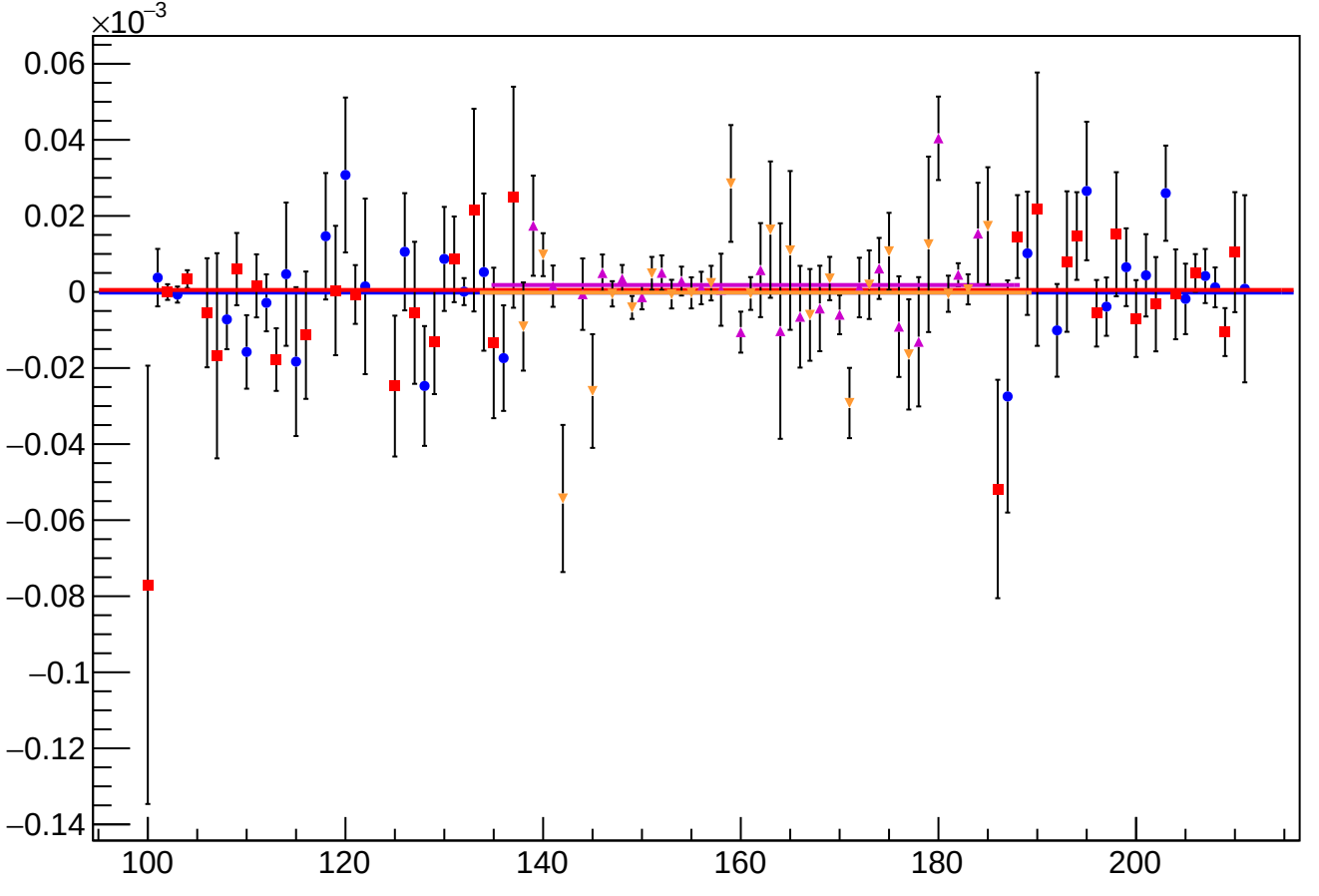
Right: 110.801+/-0.015 χ^2/NDF: 9731185.8/58

In: 148.073+/-0.020 χ^2/NDF:13582379.0/50

Out: 128.204+/-0.018 χ^2/NDF:19441254.5/54

All: 137.080+/-0.014 χ^2/NDF: 33546758.5/10

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: 22.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

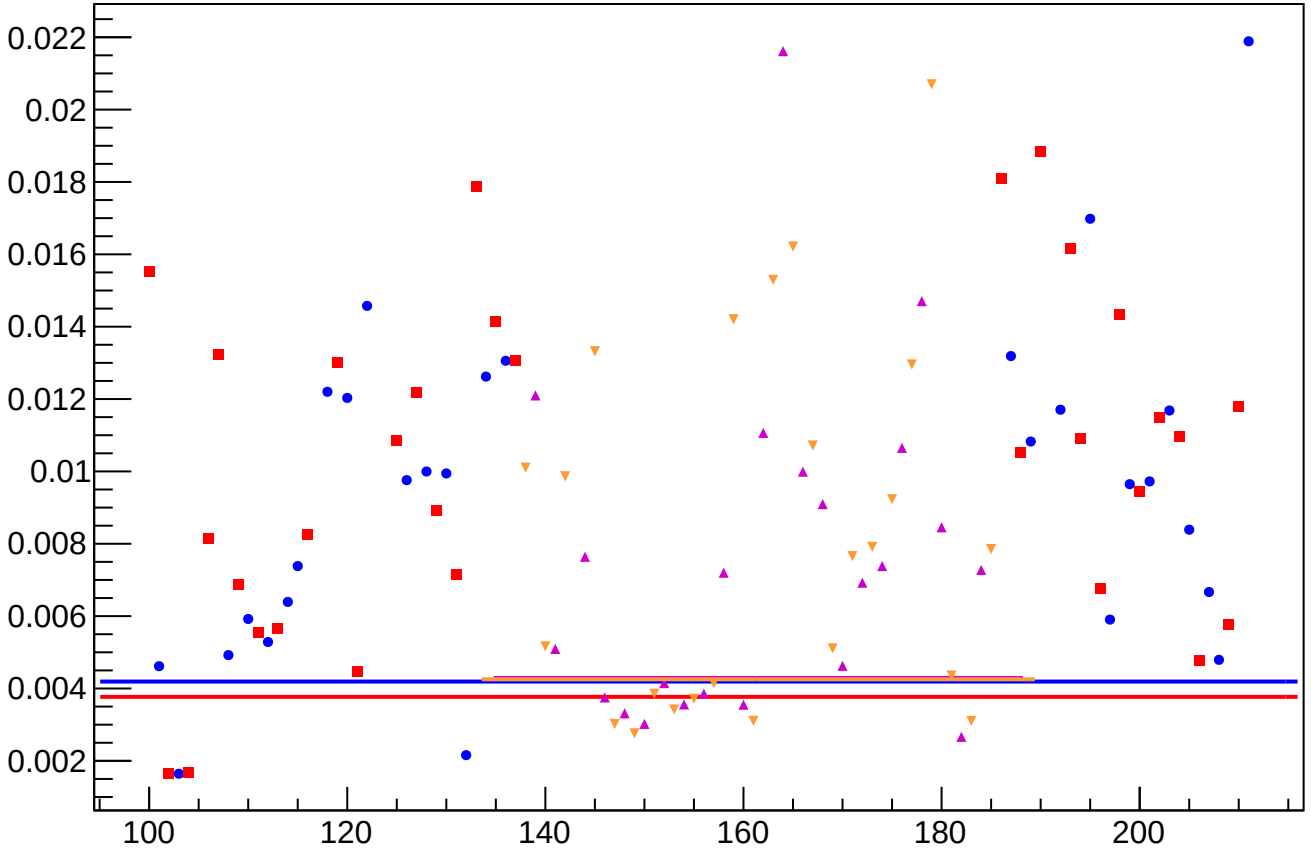
Right: 0.000+/-0.000 χ^2/NDF: 51.0/58

In: 0.000+/-0.000 χ^2/NDF:51.9/50

Out: 0.000+/-0.000 χ^2/NDF:65.6/54

All: 0.000+/-0.000 χ^2/NDF: 118.0/105

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: 12849730.3/27

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15141180.6/30

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

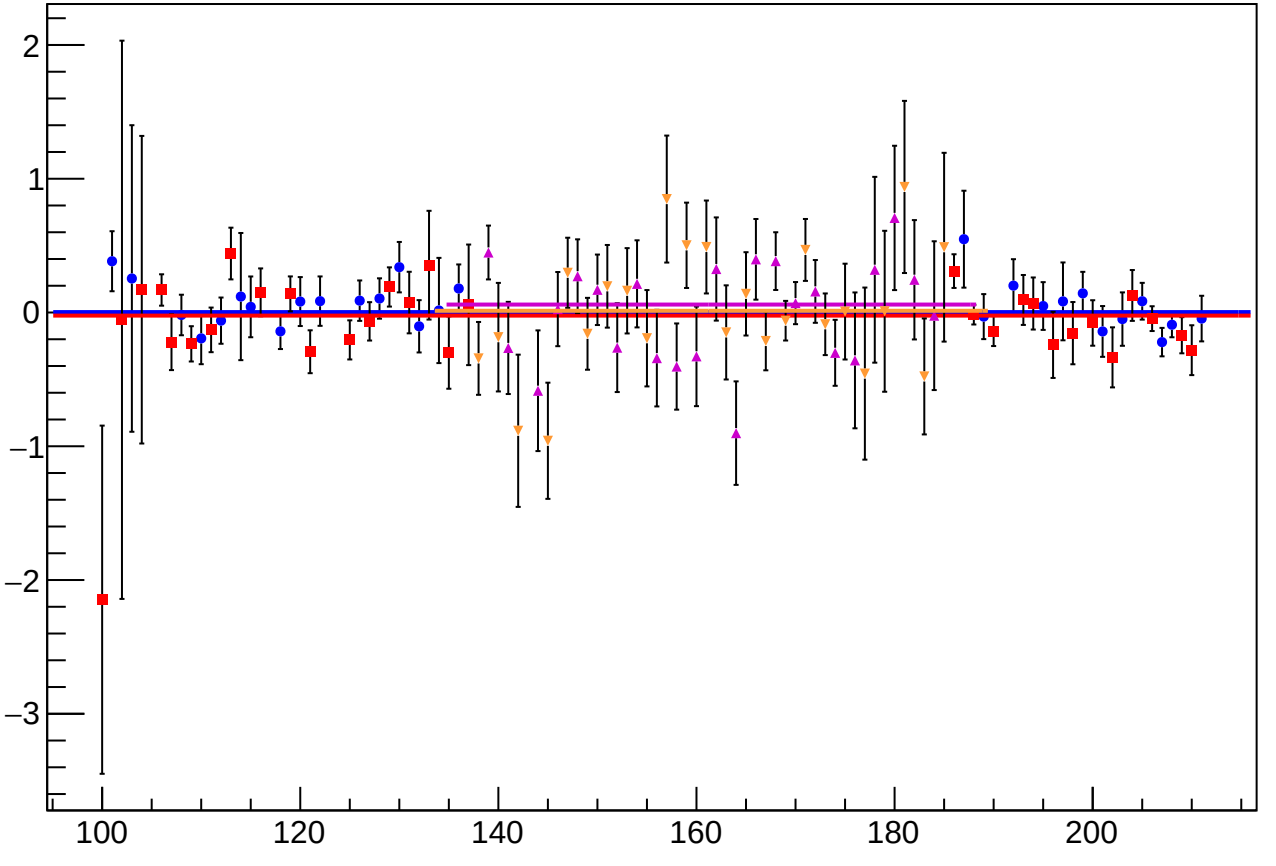
Right: 0.004+/-0.000 χ^2/NDF: 28094333.8/58

In: 0.004+/-0.000 χ^2/NDF:19454114.2/50

Out: 0.004+/-0.000 χ^2/NDF:23795086.5/54

All: 0.004+/-0.000 χ^2/NDF: 43312610.3/105

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

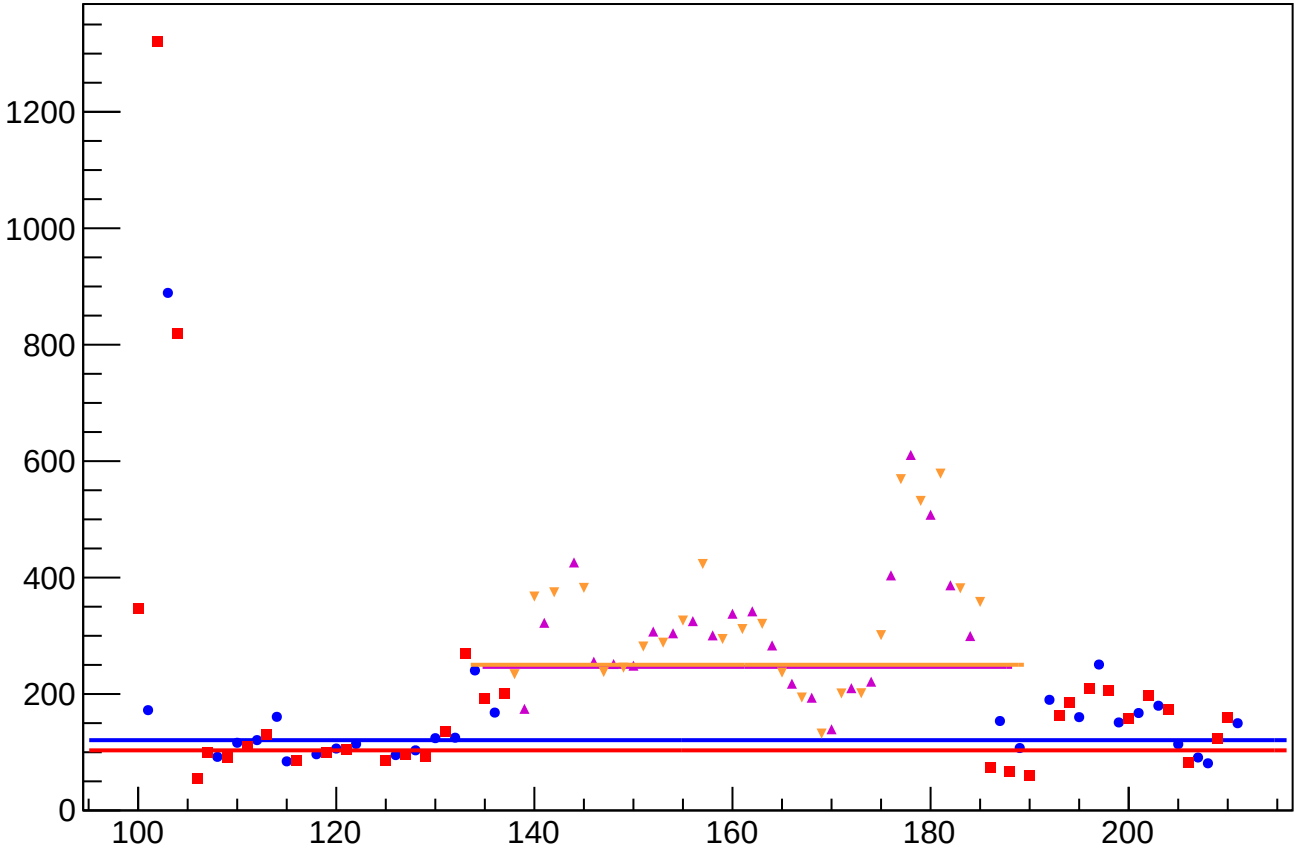
Right: -0.012+/-0.021 χ^2/NDF: 63.9/58

In: 0.015+/-0.029 χ^2/NDF:50.3/50

Out: -0.017+/-0.026 χ^2/NDF:71.4/54

All: -0.003+/-0.019 χ^2/NDF: 122.4/105

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.732+/-0.023 χ^2/NDF: 3355809.2/27

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.234+/-0.020 χ^2/NDF: 6050206.0/30

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

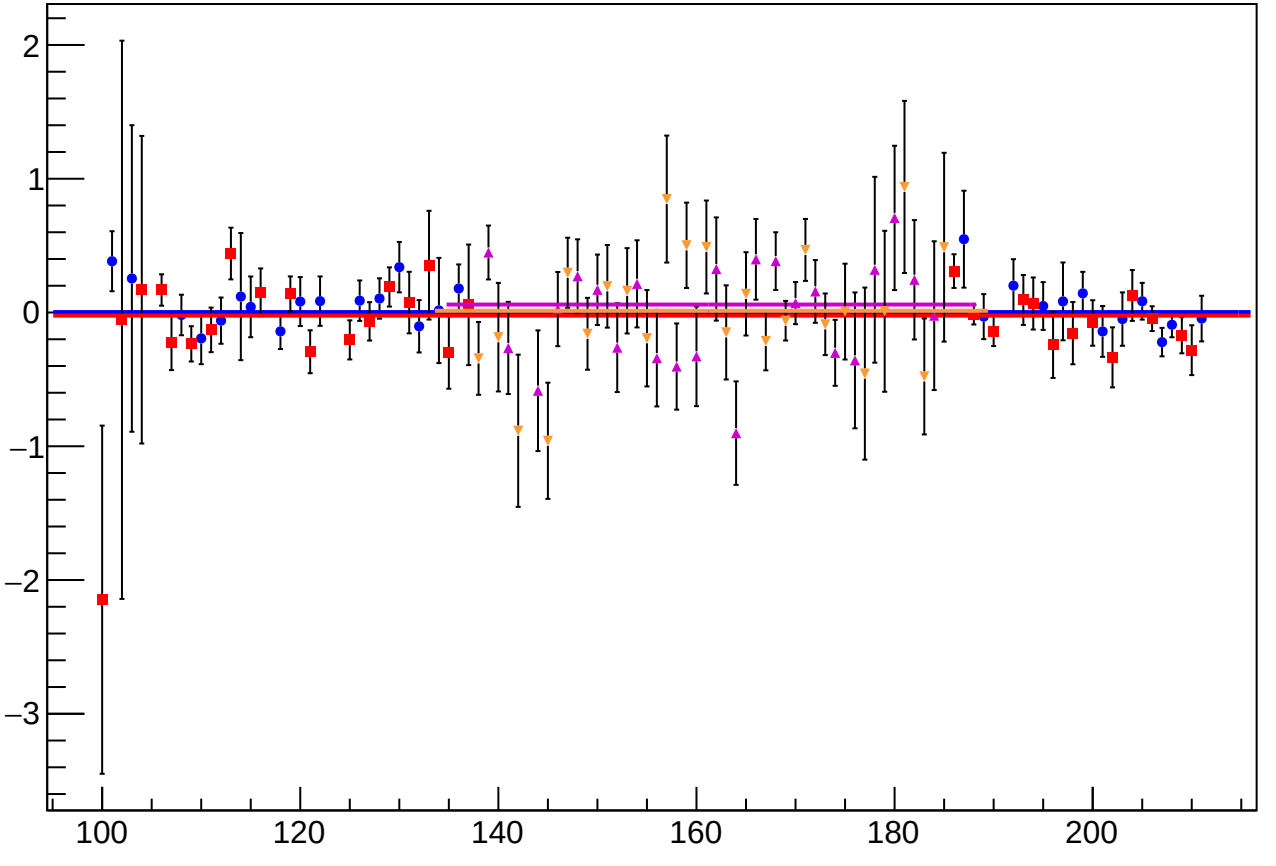
Right: 110.798+/-0.015 χ^2/NDF: 9731979.6/58

In: 148.072+/-0.020 χ^2/NDF:13582756.2/50

Out: 128.199+/-0.018 χ^2/NDF:19442561.0/54

All: 137.077+/-0.014 χ^2/NDF: 33548645.6/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.033 χ^2/NDF: 21.7/27

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/30

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

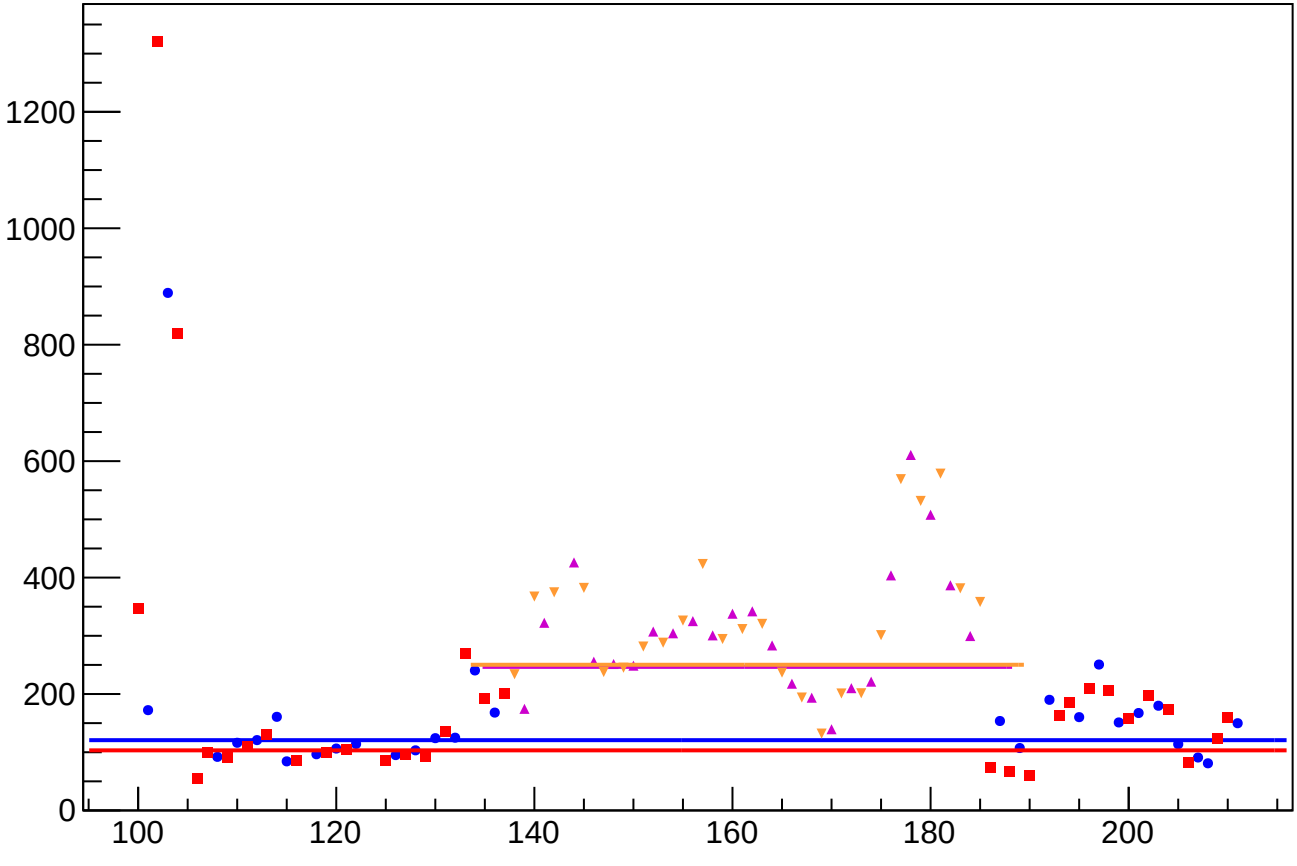
Right: -0.012+/-0.021 χ^2/NDF: 63.9/58

In: 0.015+/-0.029 χ^2/NDF:50.3/50

Out: -0.017+/-0.026 χ^2/NDF:71.4/54

All: -0.003+/-0.019 χ^2/NDF: 122.4/105

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 120.732+/-0.023 χ^2/NDF: 3355809.2/27

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.234+/-0.020 χ^2/NDF: 6050206.0/30

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

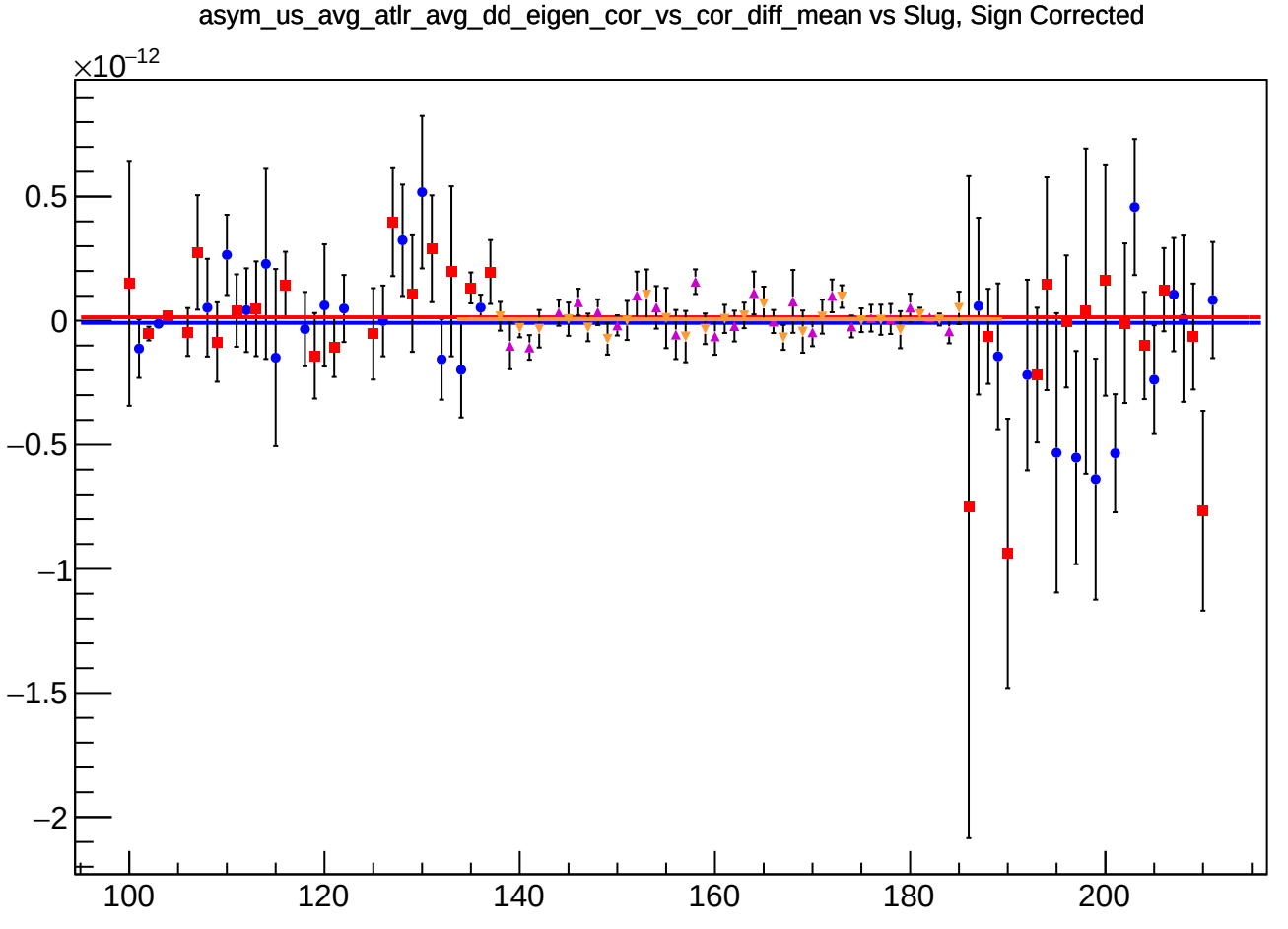
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.798+/-0.015 χ^2/NDF: 9731979.6/58

In: 148.072+/-0.020 χ^2/NDF:13582756.2/50

Out: 128.199+/-0.018 χ^2/NDF:19442561.0/54

All: 137.077+/-0.014 χ^2/NDF: 33548645.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/30

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

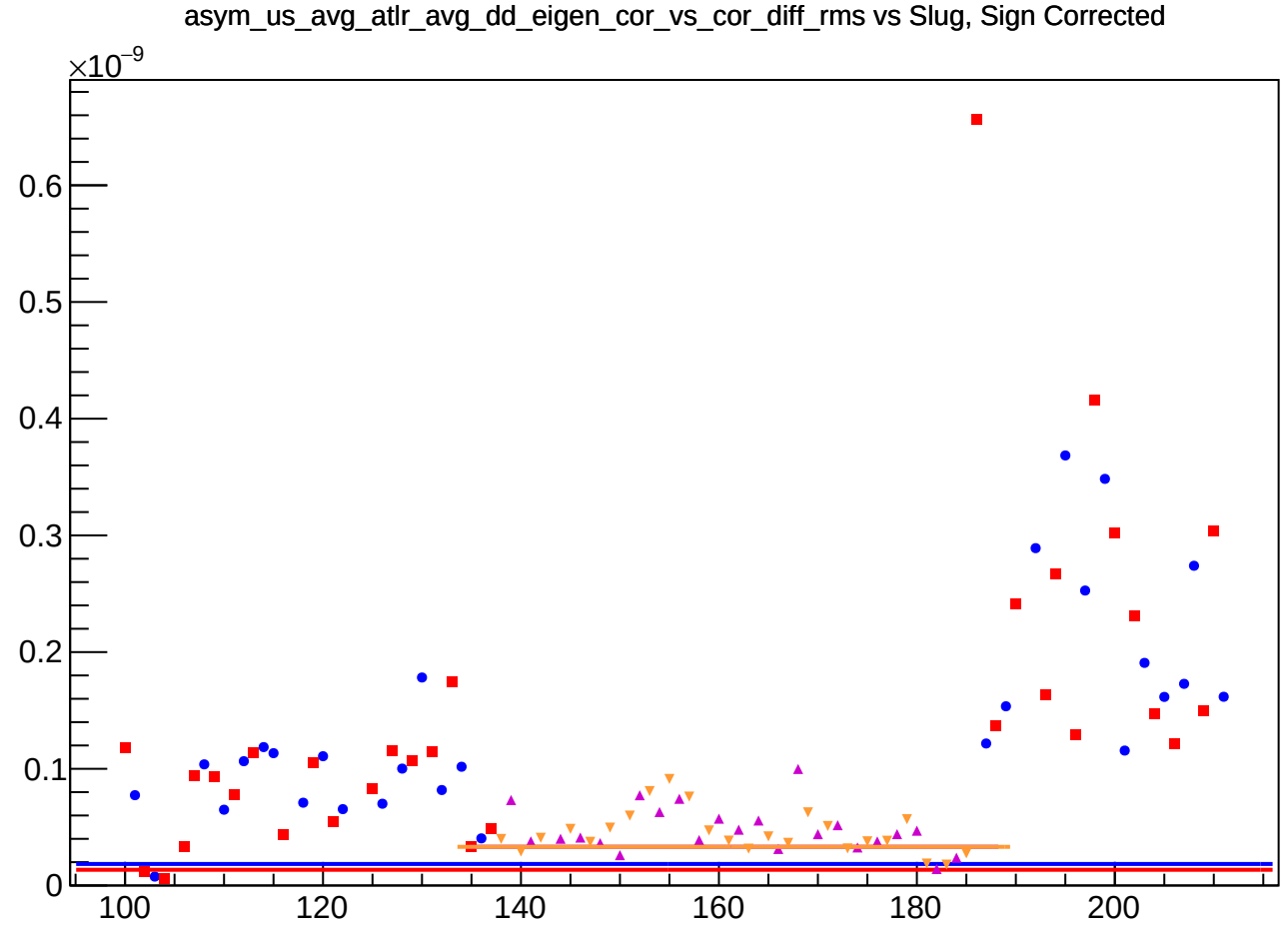
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 60.1/58

In: 0.000+/-0.000 χ^2/NDF:56.3/50

Out: 0.000+/-0.000 χ^2/NDF:45.2/54

All: 0.000+/-0.000 χ^2/NDF: 102.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 14743666.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15221108.8/30

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

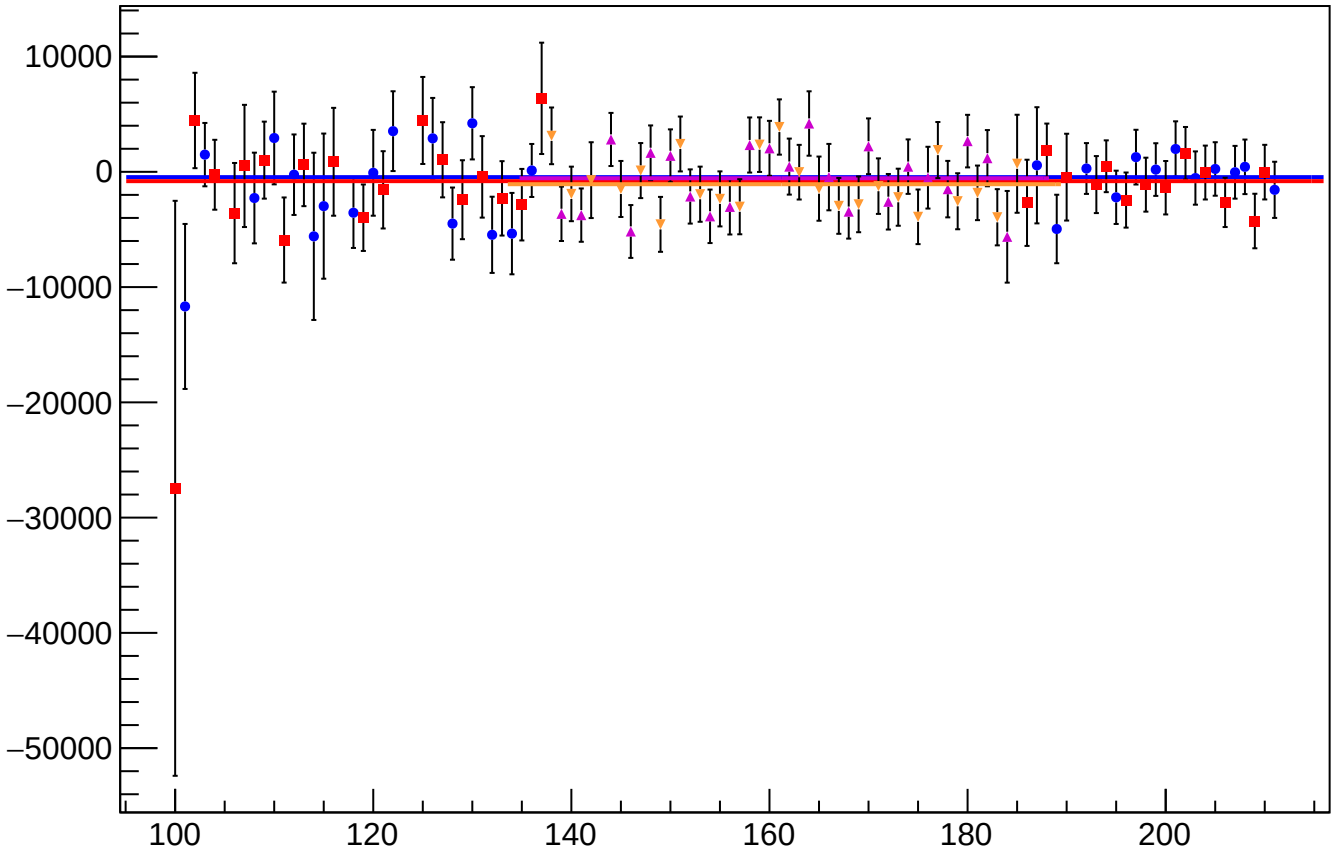
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 30164073.0/58

In: 0.000+/-0.000 χ^2/NDF:21423973.9/50

Out: 0.000+/-0.000 χ^2/NDF:23012490.8/54

All: 0.000+/-0.000 χ^2/NDF: 44767410.1/105



Right In: -460.080+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -809.002+/-534.009 χ^2/NDF: 19.0/30

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

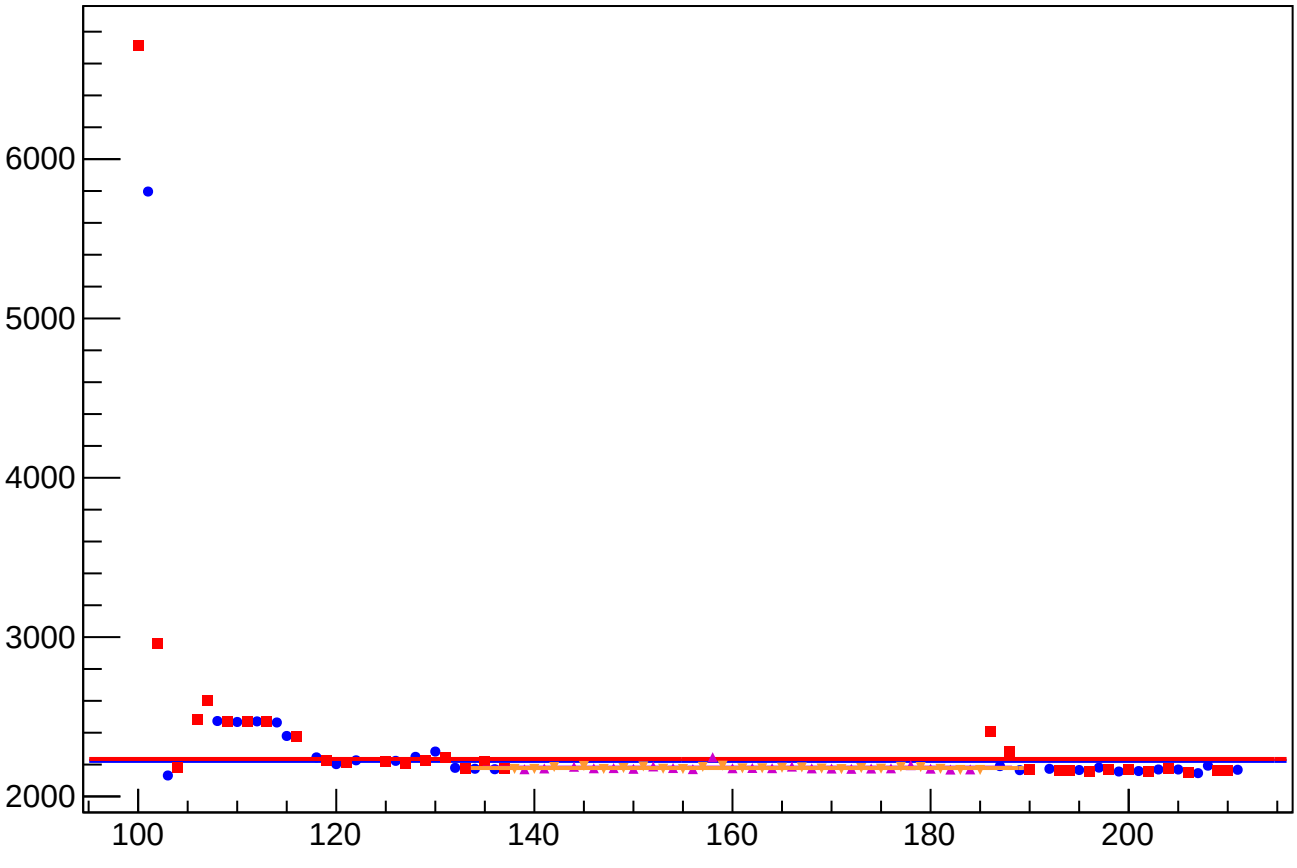
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -639.525+/-382.957 χ^2/NDF: 40.4/58

In: -512.250+/-373.494 χ^2/NDF:49.9/50

Out: -948.155+/-367.121 χ^2/NDF:40.7/54

All: -733.953+/-261.818 χ^2/NDF: 91.3/105



Right In: 2223.104+/-0.389 χ^2/NDF: 545118.8/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2235.215+/-0.378 χ^2/NDF: 197008.1/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

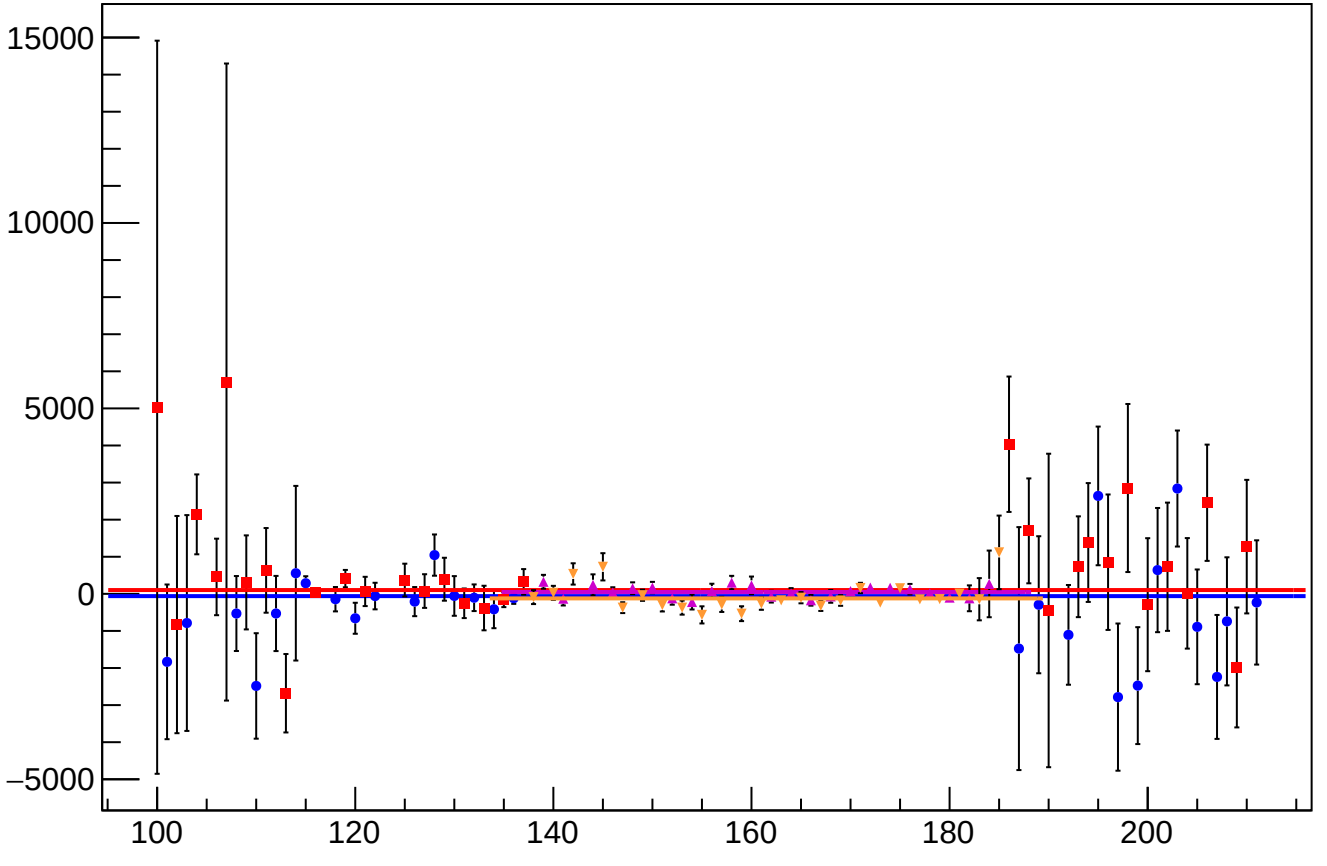
Right: 2229.332+/-0.271 χ^2/NDF: 742626.6/58

In: 2200.409+/-0.264 χ^2/NDF:553326.8/50

Out: 2205.170+/-0.260 χ^2/NDF:209401.9/54

All: 2202.830+/-0.185 χ^2/NDF: 762894.0/105

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -61.541+/-89.406 χ^2/NDF: 27.3/27

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 102.132+/-81.160 χ^2/NDF: 30.7/30

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

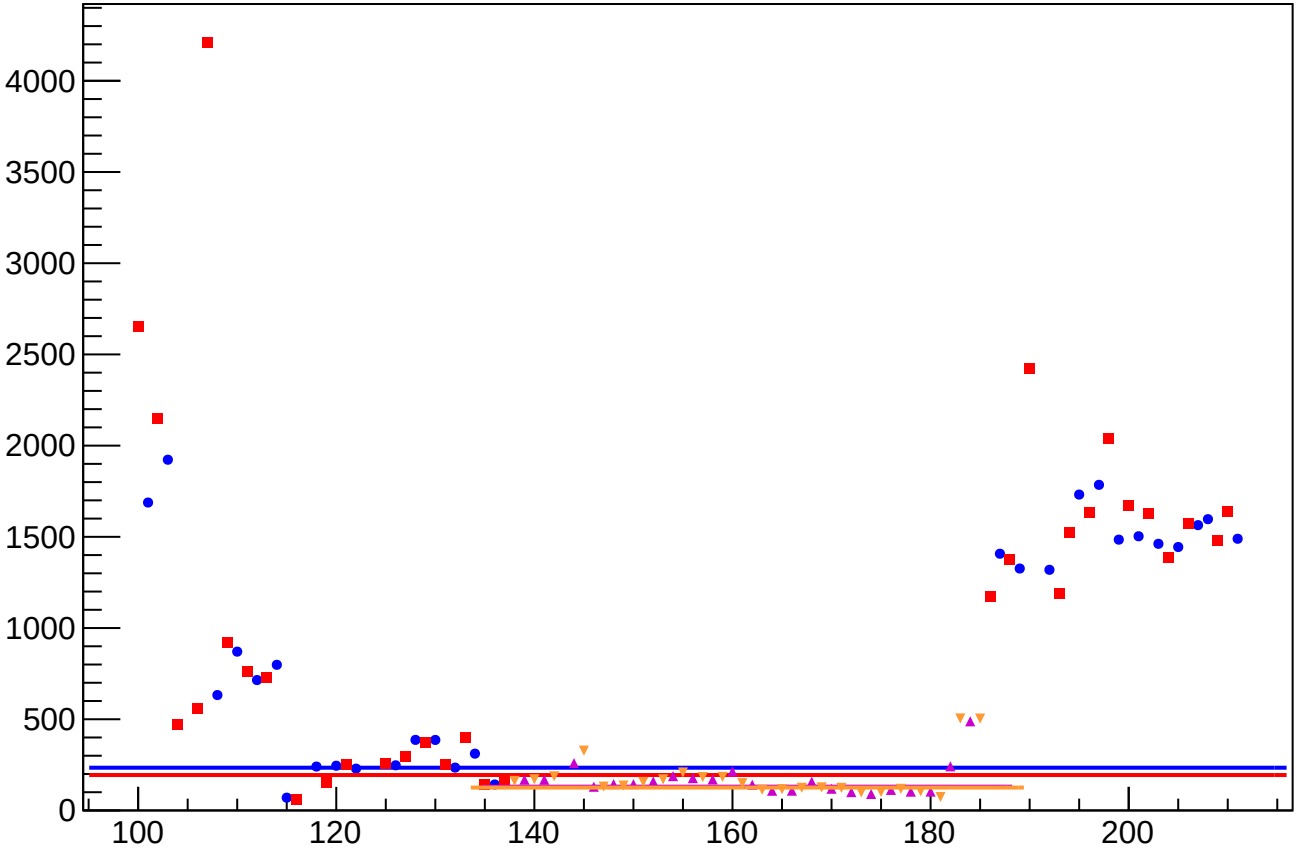
Right: 28.190+/-60.093 χ^2/NDF: 59.8/58

In: 37.229+/-30.582 χ^2/NDF:46.9/50

Out: -93.682+/-29.291 χ^2/NDF:81.2/54

All: -31.047+/-21.154 χ^2/NDF: 137.7/105

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 234.319+/-0.063 χ^2/NDF: 18768509.2/27

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 194.253+/-0.057 χ^2/NDF: 22272813.3/30

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

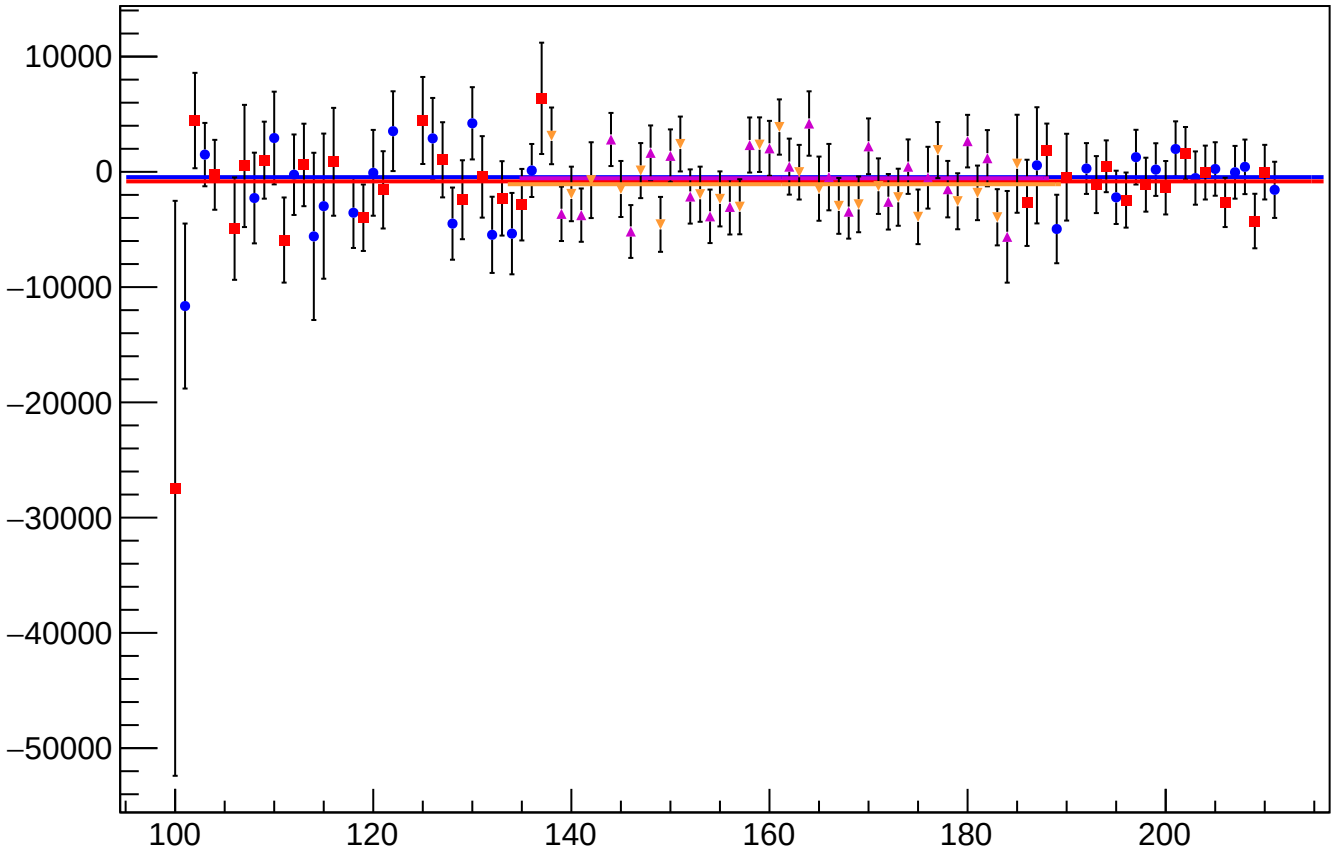
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 212.353+/-0.042 χ^2/NDF: 41261516.8/58

In: 142.591+/-0.022 χ^2/NDF:23832370.2/50

Out: 134.461+/-0.021 χ^2/NDF:27463634.2/54

All: 138.351+/-0.015 χ^2/NDF: 51369719.2/10



Right In: -459.619+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -826.824+/-534.176 χ^2/NDF: 19.5/30

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

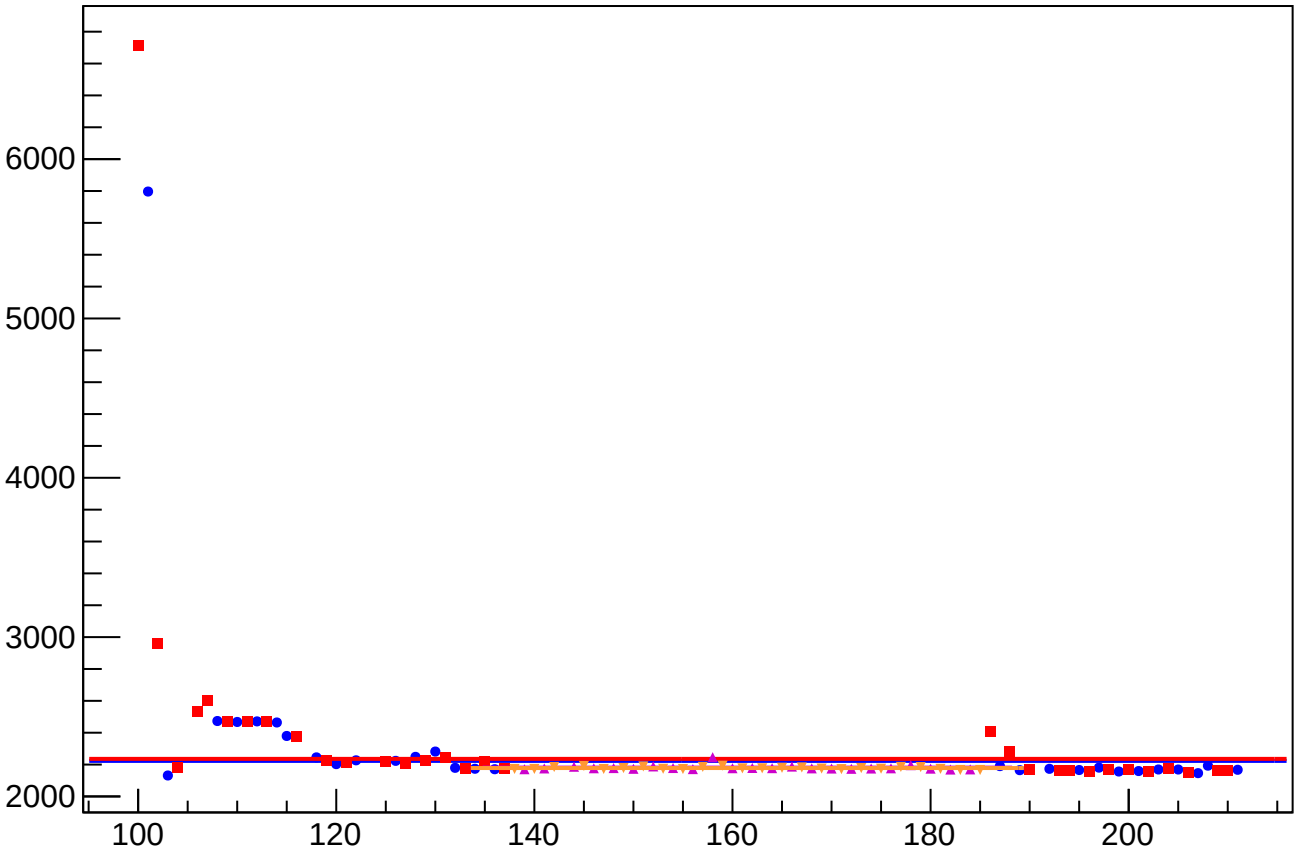
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -648.409+/-383.019 χ^2/NDF: 40.9/58

In: -512.052+/-373.494 χ^2/NDF:49.8/50

Out: -956.580+/-367.175 χ^2/NDF:41.2/54

All: -738.108+/-261.837 χ^2/NDF: 91.7/105



Right In: 2223.104+/-0.389 χ^2/NDF: 545119.1/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2235.792+/-0.378 χ^2/NDF: 199548.8/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

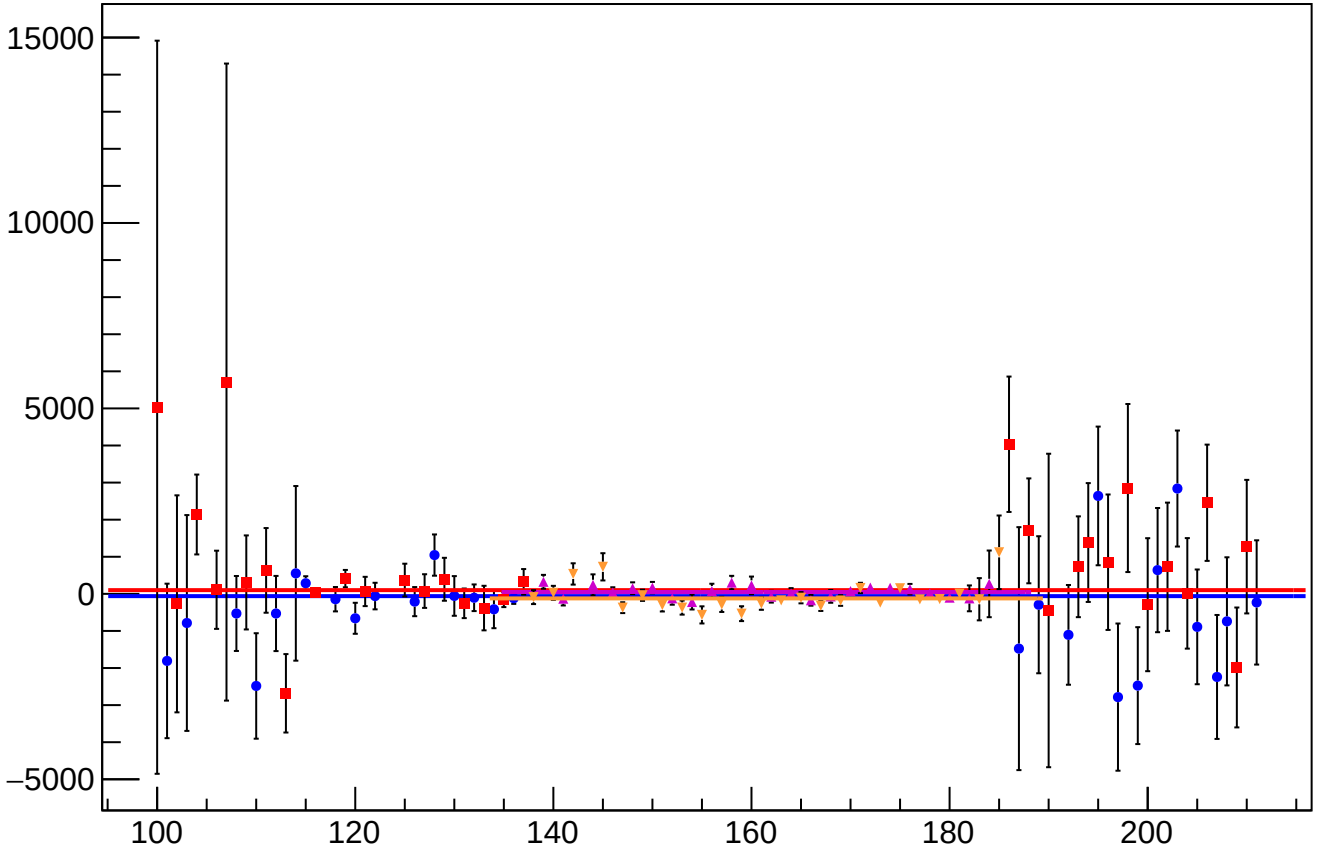
Right: 2229.627+/-0.271 χ^2/NDF: 745216.2/58

In: 2200.409+/-0.264 χ^2/NDF:553327.1/50

Out: 2205.434+/-0.260 χ^2/NDF:212183.1/54

All: 2202.964+/-0.185 χ^2/NDF: 765694.3/105

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.574+/-89.412 χ^2/NDF: 27.3/27

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 100.151+/-81.101 χ^2/NDF: 30.5/30

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

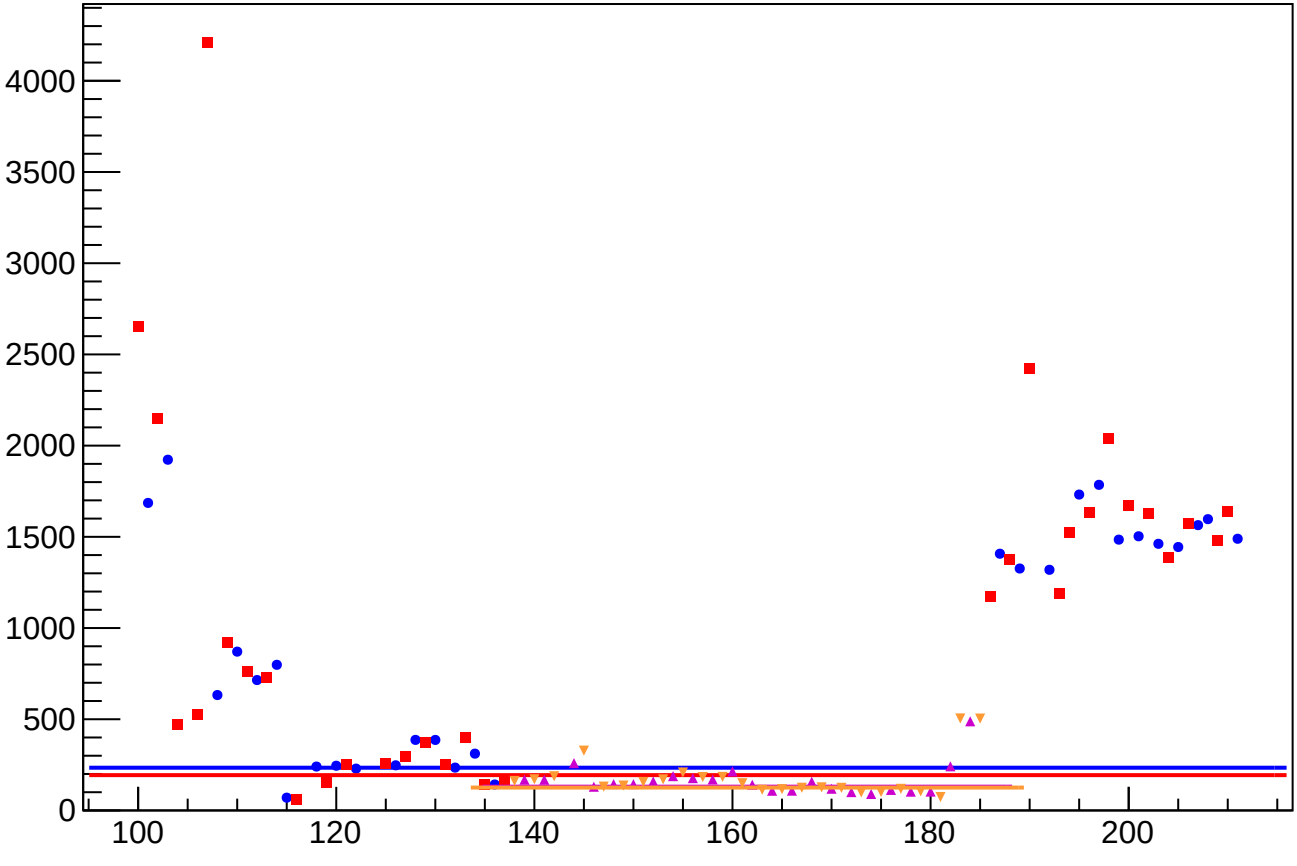
Right: 27.152+/-60.071 χ^2/NDF: 59.6/58

In: 37.130+/-30.585 χ^2/NDF:46.9/50

Out: -93.835+/-29.288 χ^2/NDF:80.9/54

All: -31.187+/-21.153 χ^2/NDF: 137.3/105

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 234.347+/-0.063 χ^2/NDF: 18766849.3/27

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 193.656+/-0.057 χ^2/NDF: 22240795.8/30

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

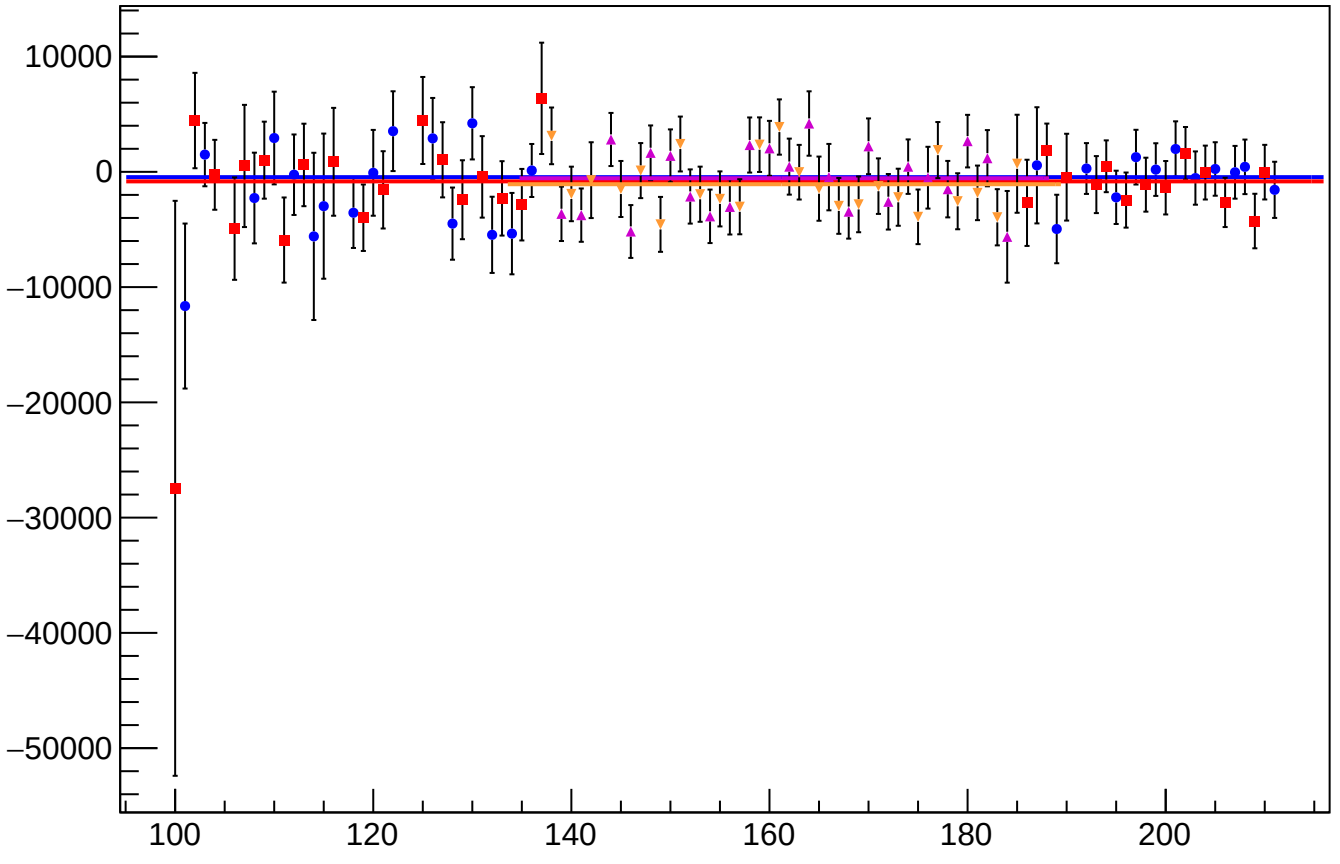
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 212.023+/-0.042 χ^2/NDF: 41234899.1/58

In: 142.608+/-0.022 χ^2/NDF:23830712.8/50

Out: 134.391+/-0.021 χ^2/NDF:27412562.8/54

All: 138.321+/-0.015 χ^2/NDF: 51318574.6/10



Right In: -459.619+/-549.489 χ^2/NDF: 21.1/27

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -826.824+/-534.176 χ^2/NDF: 19.5/30

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

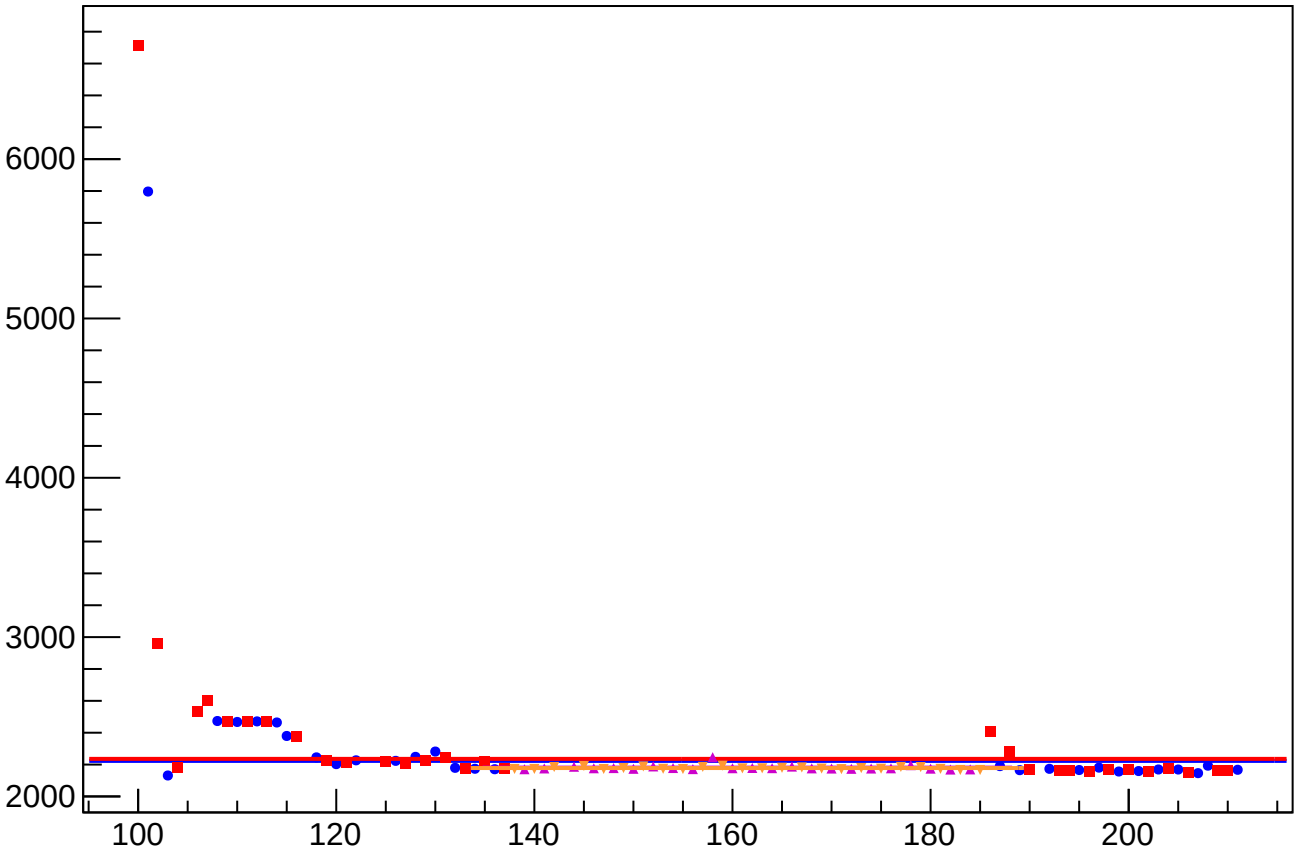
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -648.409+/-383.019 χ^2/NDF: 40.9/58

In: -512.052+/-373.494 χ^2/NDF:49.8/50

Out: -956.580+/-367.175 χ^2/NDF:41.2/54

All: -738.108+/-261.837 χ^2/NDF: 91.7/105



Right In: 2223.104+/-0.389 χ^2/NDF: 545119.1/27

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2235.792+/-0.378 χ^2/NDF: 199548.8/30

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

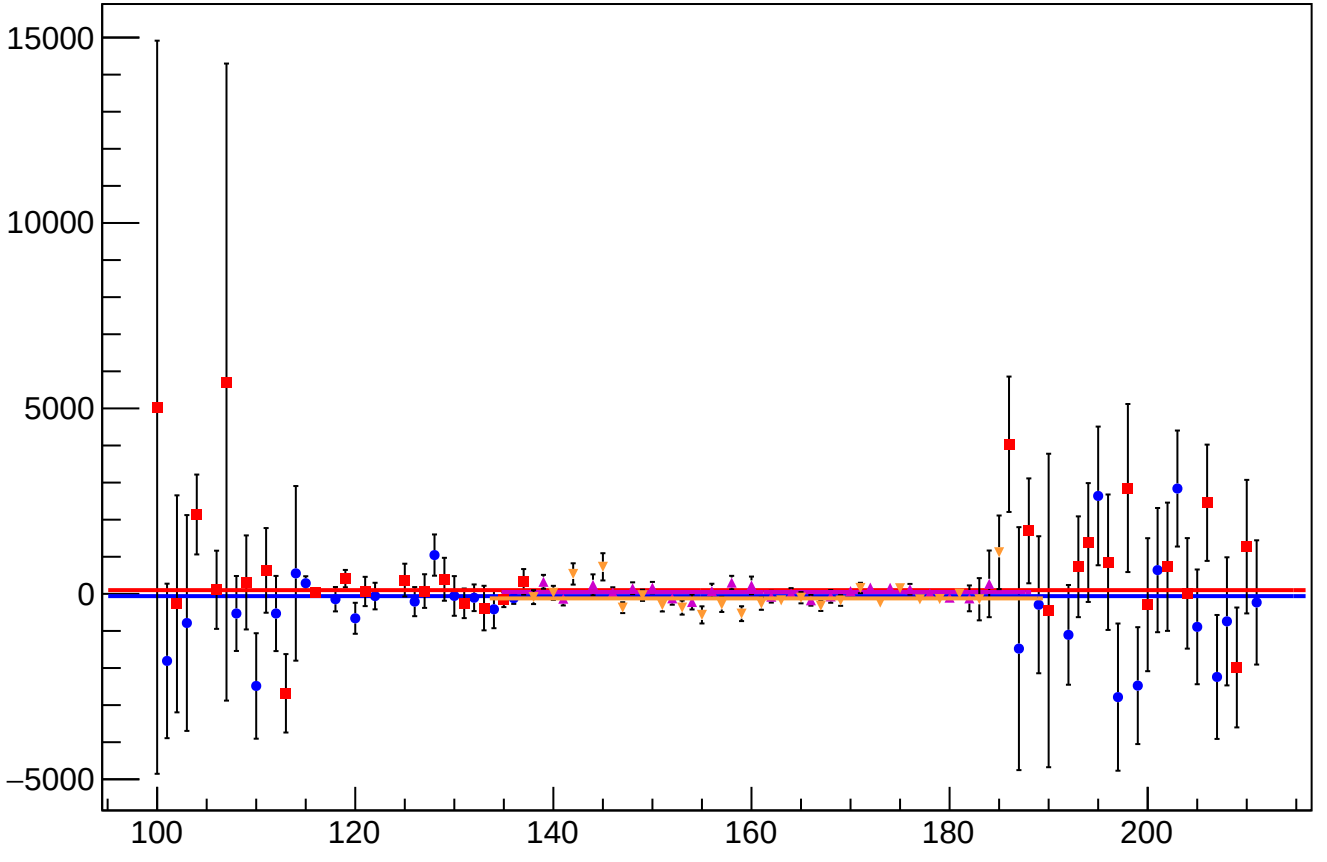
Right: 2229.627+/-0.271 χ^2/NDF: 745216.2/58

In: 2200.409+/-0.264 χ^2/NDF:553327.1/50

Out: 2205.434+/-0.260 χ^2/NDF:212183.1/54

All: 2202.964+/-0.185 χ^2/NDF: 765694.3/105

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.574+/-89.412 χ^2/NDF: 27.3/27

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 100.151+/-81.101 χ^2/NDF: 30.5/30

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

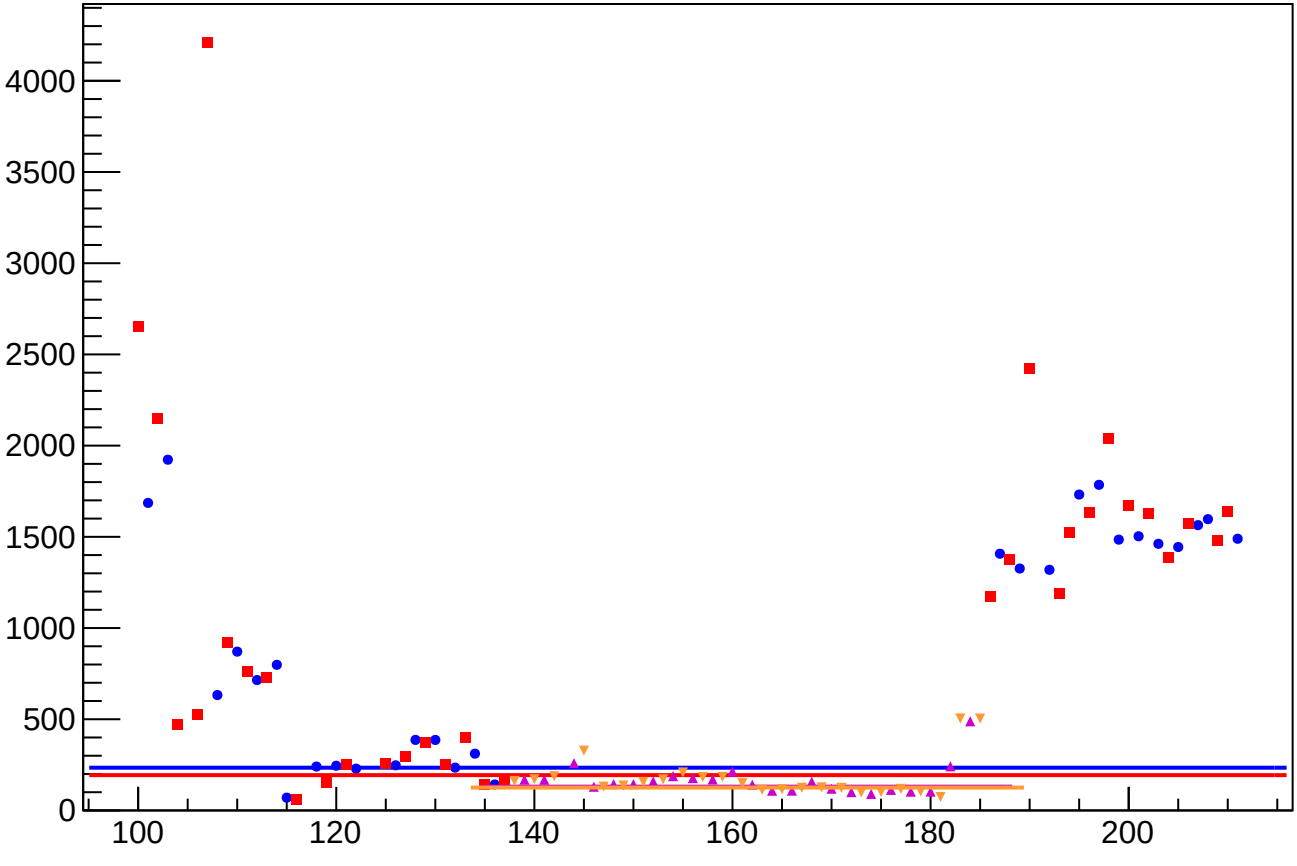
Right: 27.152+/-60.071 χ^2/NDF: 59.6/58

In: 37.130+/-30.585 χ^2/NDF:46.9/50

Out: -93.835+/-29.288 χ^2/NDF:80.9/54

All: -31.187+/-21.153 χ^2/NDF: 137.3/105

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 234.347+/-0.063 χ^2/NDF: 18766849.3/27

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 193.656+/-0.057 χ^2/NDF: 22240795.8/30

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

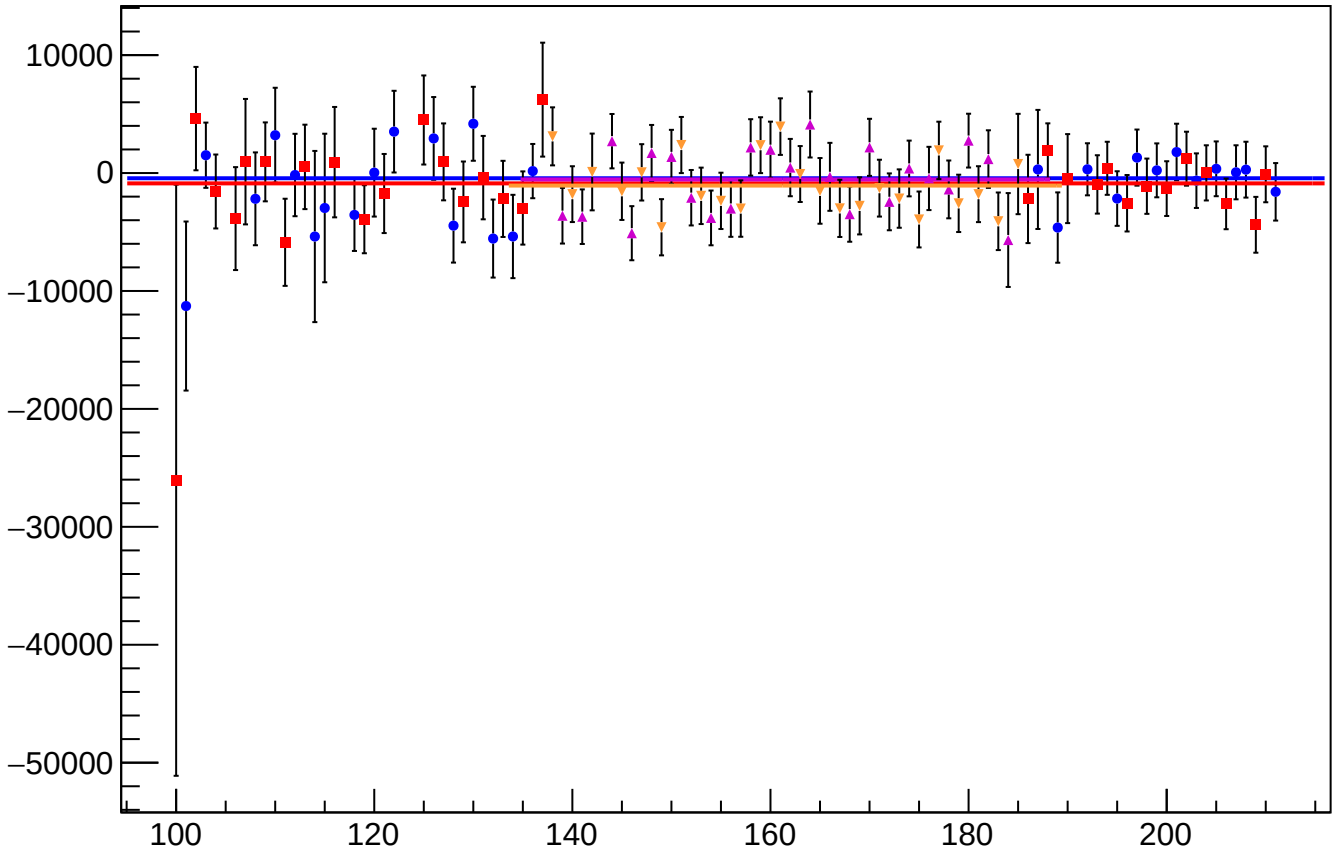
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 212.023+/-0.042 χ^2/NDF: 41234899.1/58

In: 142.608+/-0.022 χ^2/NDF:23830712.8/50

Out: 134.391+/-0.021 χ^2/NDF:27412562.8/54

All: 138.321+/-0.015 χ^2/NDF: 51318574.6/10



Right In: -442.317+/-550.109 χ^2/NDF: 20.6/27

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -876.647+/-535.633 χ^2/NDF: 18.5/30

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

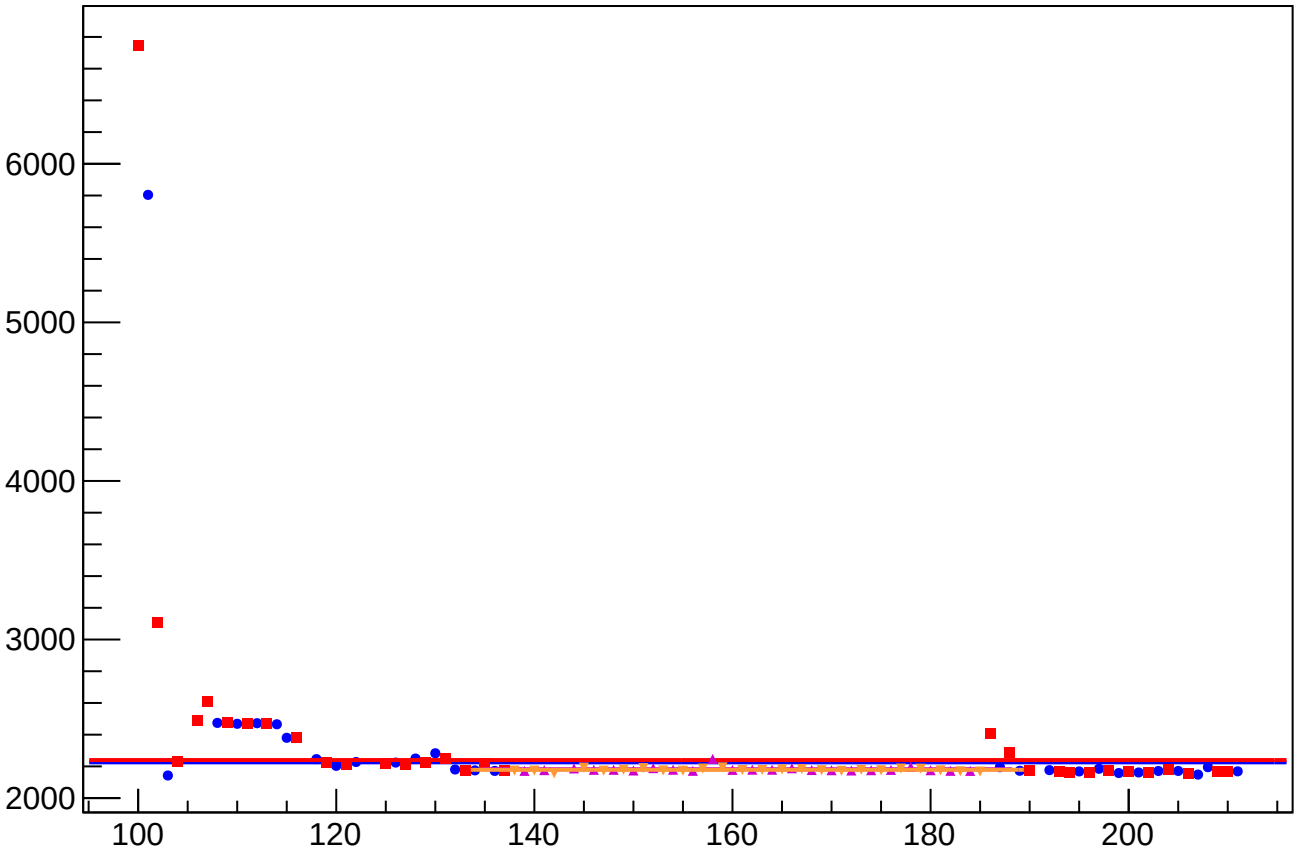
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -665.272+/-383.765 χ^2/NDF: 39.4/58

In: -497.197+/-373.777 χ^2/NDF:48.5/50

Out: -974.857+/-367.682 χ^2/NDF:40.5/54

All: -739.953+/-262.119 χ^2/NDF: 89.8/105



Right In: 2225.517+/-0.389 χ^2/NDF: 544446.1/27

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2239.932+/-0.379 χ^2/NDF: 215180.6/30

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

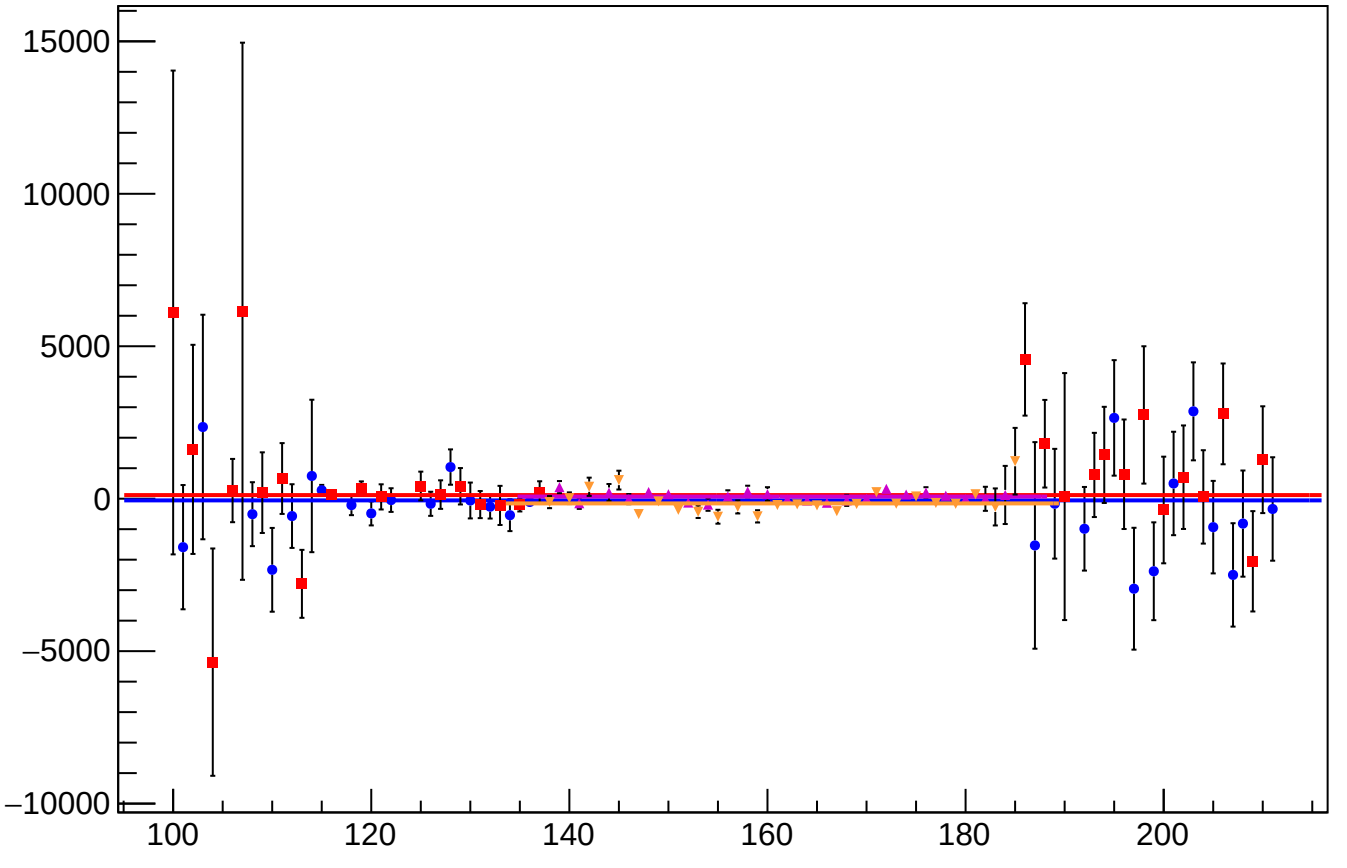
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2232.916+/-0.271 χ^2/NDF: 760331.7/58

In: 2202.027+/-0.264 χ^2/NDF:553058.1/50

Out: 2207.449+/-0.260 χ^2/NDF:229546.6/54

All: 2204.782+/-0.185 χ^2/NDF: 782818.7/105



Right In: -55.390+/-90.855 χ^2/NDF: 27.0/27

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 118.236+/-84.707 χ^2/NDF: 29.7/30

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

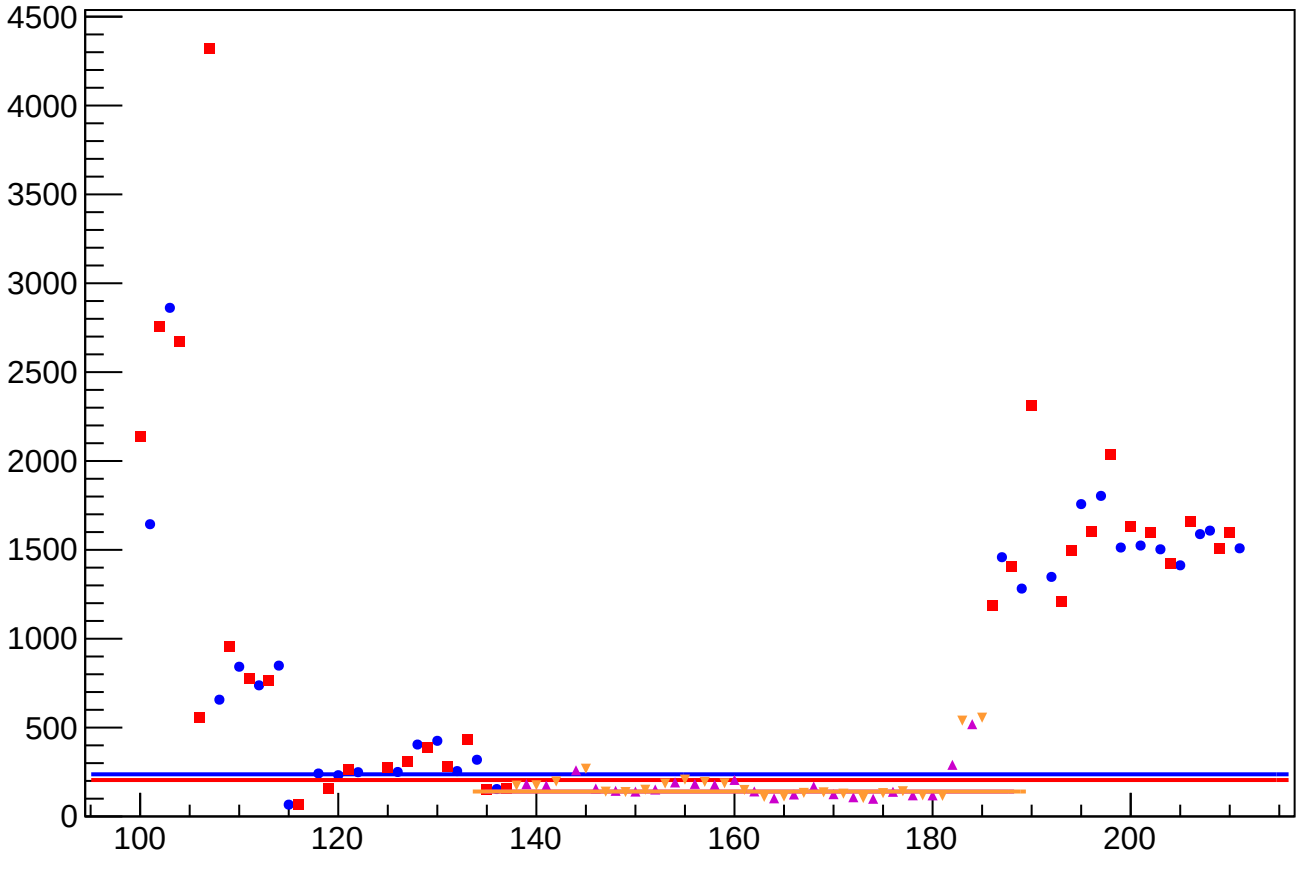
Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

Right: 37.496+/-61.957 χ^2/NDF: 58.7/58

In: 54.558+/-32.011 χ^2/NDF:47.6/50

Out: -116.734+/-31.602 χ^2/NDF:85.9/54

All: -32.190+/-22.489 χ^2/NDF: 148.1/105



Right In: 237.183+/-0.064 χ^2/NDF: 19327148.0/27

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 204.921+/-0.060 χ^2/NDF: 23013776.0/30

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

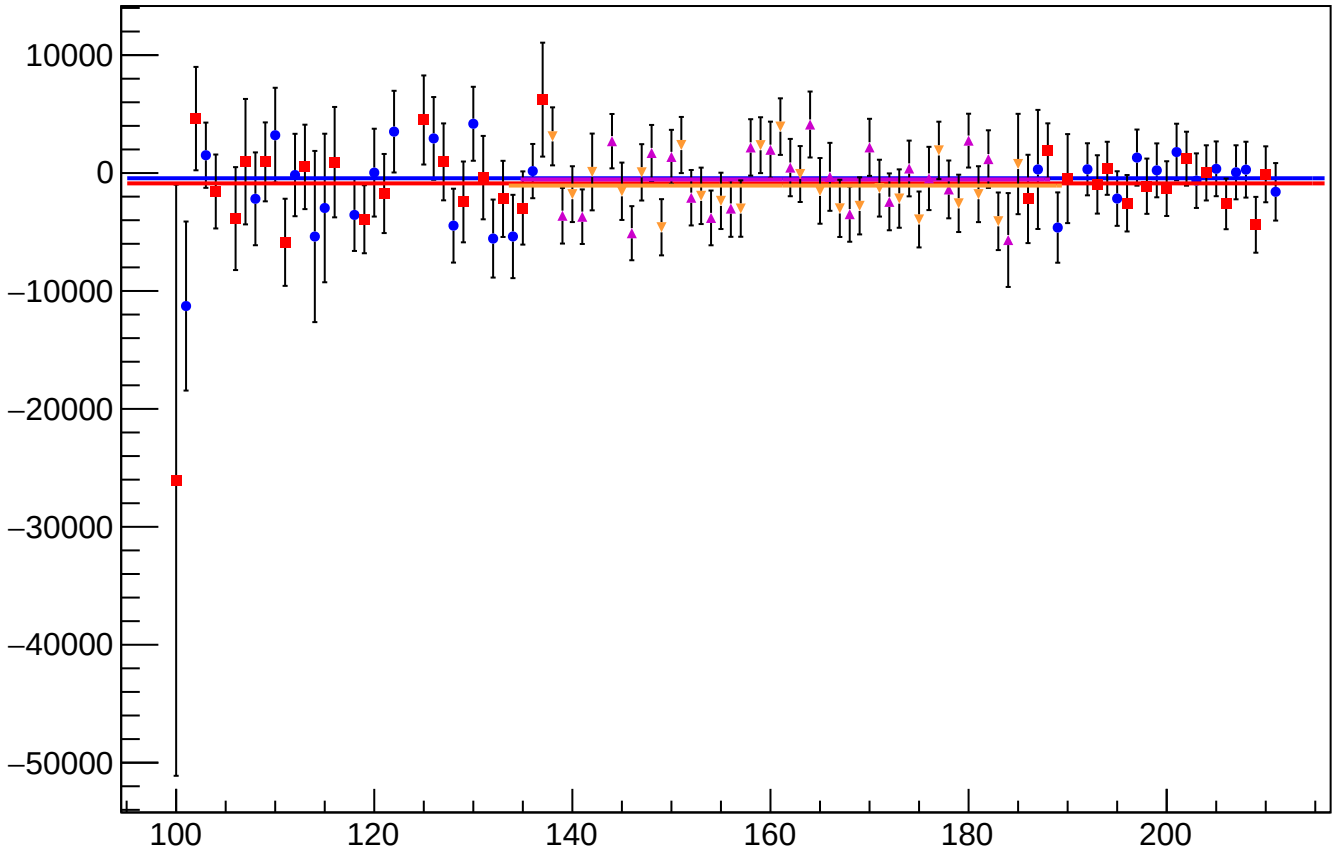
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 219.923+/-0.044 χ^2/NDF: 42475839.7/58

In: 152.045+/-0.023 χ^2/NDF:23744726.9/50

Out: 149.310+/-0.022 χ^2/NDF:26775432.5/54

All: 150.660+/-0.016 χ^2/NDF: 50527554.5/10



Right In: -442.319+/-550.109 χ^2/NDF: 20.6/27

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -876.646+/-535.633 χ^2/NDF: 18.5/30

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

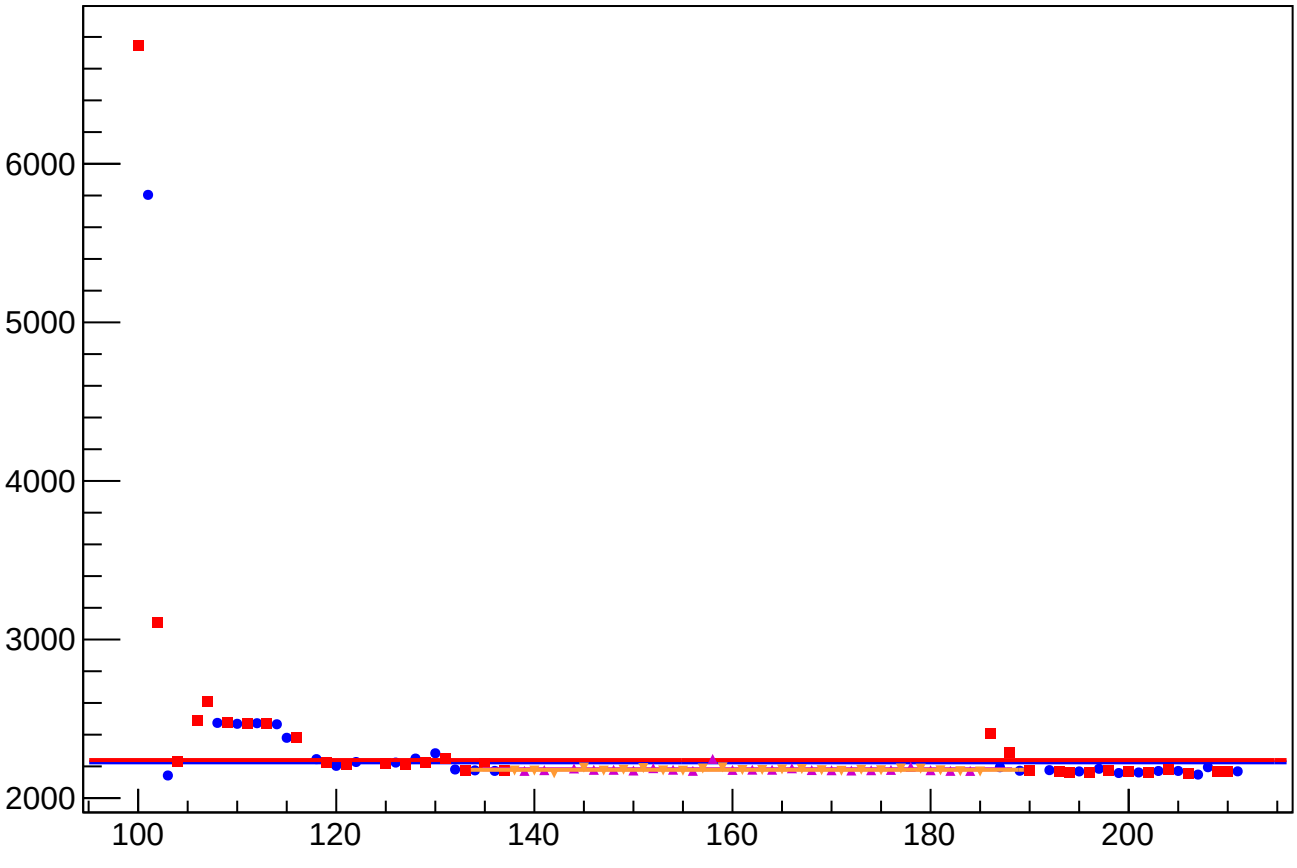
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -665.272+/-383.765 χ^2/NDF: 39.4/58

In: -497.197+/-373.777 χ^2/NDF:48.5/50

Out: -974.857+/-367.682 χ^2/NDF:40.5/54

All: -739.953+/-262.119 χ^2/NDF: 89.8/105



Right In: 2225.517+/-0.389 χ^2/NDF: 544446.1/27

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2239.932+/-0.379 χ^2/NDF: 215180.5/30

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

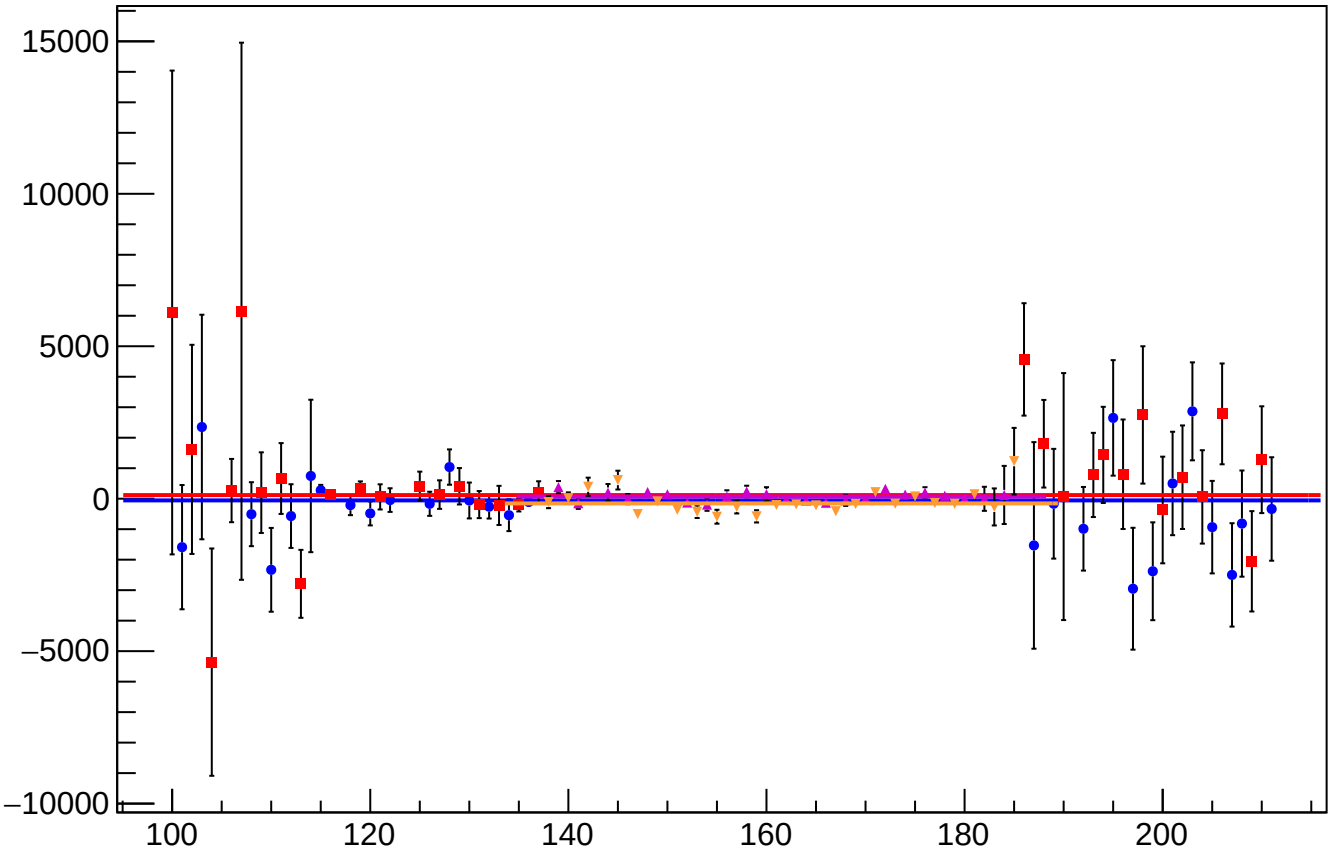
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2232.916+/-0.271 χ^2/NDF: 760331.6/58

In: 2202.027+/-0.264 χ^2/NDF:553058.2/50

Out: 2207.449+/-0.260 χ^2/NDF:229546.5/54

All: 2204.782+/-0.185 χ^2/NDF: 782818.6/105



Right In: -55.387+/-90.854 χ^2/NDF: 27.0/27

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 118.236+/-84.706 χ^2/NDF: 29.7/30

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

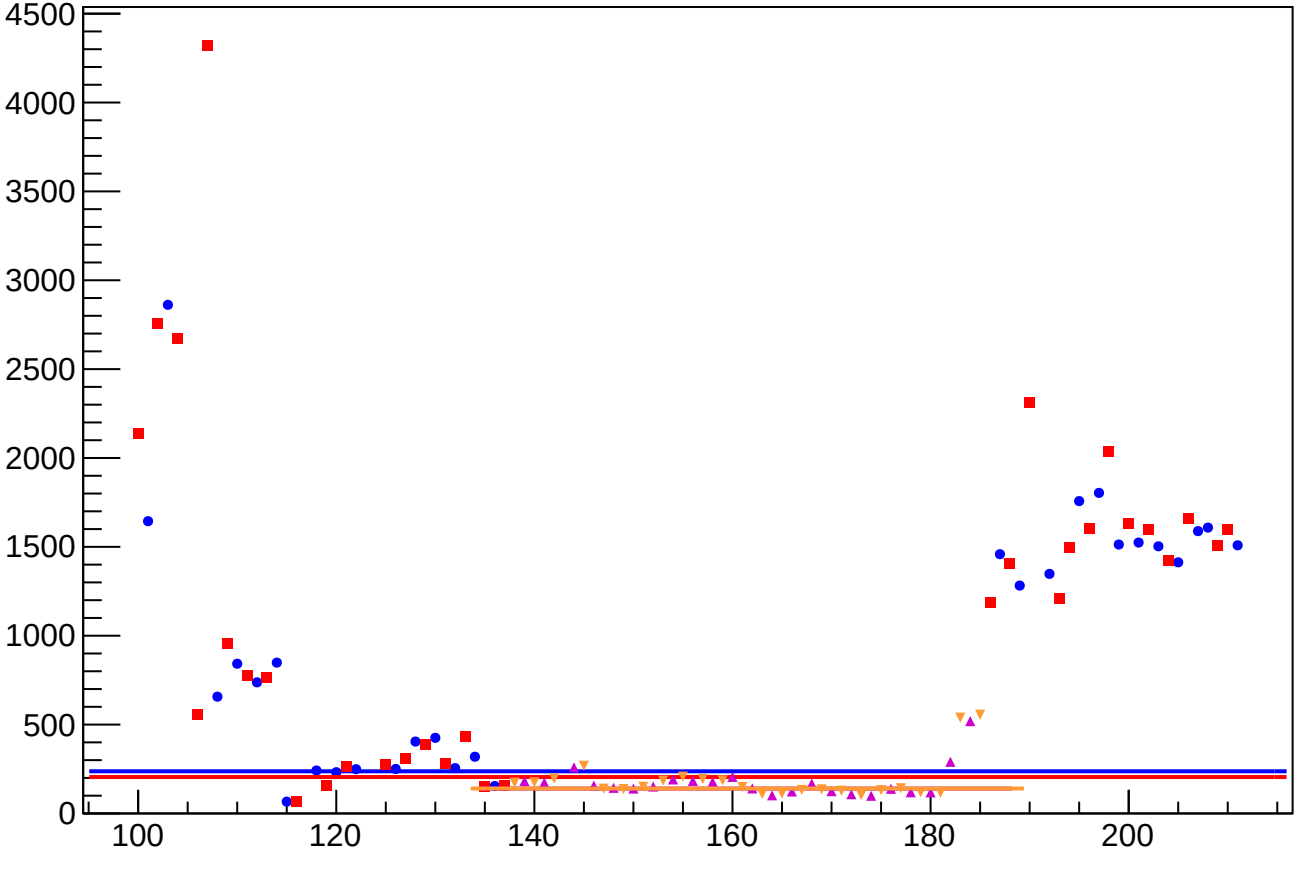
Right: 37.497+/-61.956 χ^2/NDF: 58.7/58

In: 54.558+/-32.011 χ^2/NDF:47.6/50

Out: -116.734+/-31.602 χ^2/NDF:85.9/54

All: -32.191+/-22.489 χ^2/NDF: 148.1/105

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 237.180+/-0.064 χ^2/NDF: 19327249.1/27

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 204.918+/-0.060 χ^2/NDF: 23013902.4/30

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

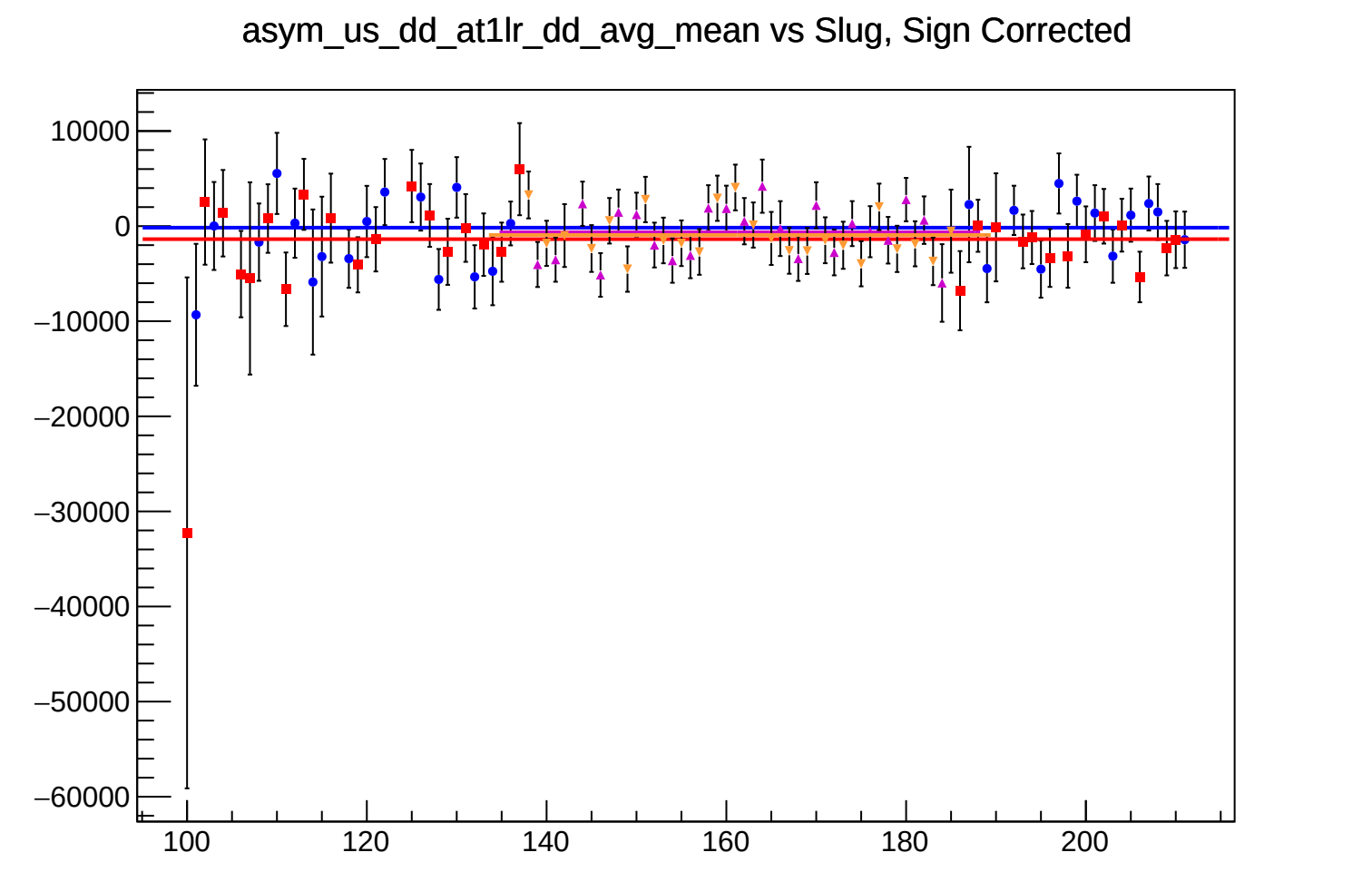
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 219.920+/-0.044 χ^2/NDF: 42476069.5/58

In: 152.045+/-0.023 χ^2/NDF:23744779.1/50

Out: 149.310+/-0.022 χ^2/NDF:26775464.7/54

All: 150.660+/-0.016 χ^2/NDF: 50527638.4/10



Right In: -161.368+/-630.817 χ^2/NDF: 26.5/27

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1370.351+/-623.154 χ^2/NDF: 19.3/30

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

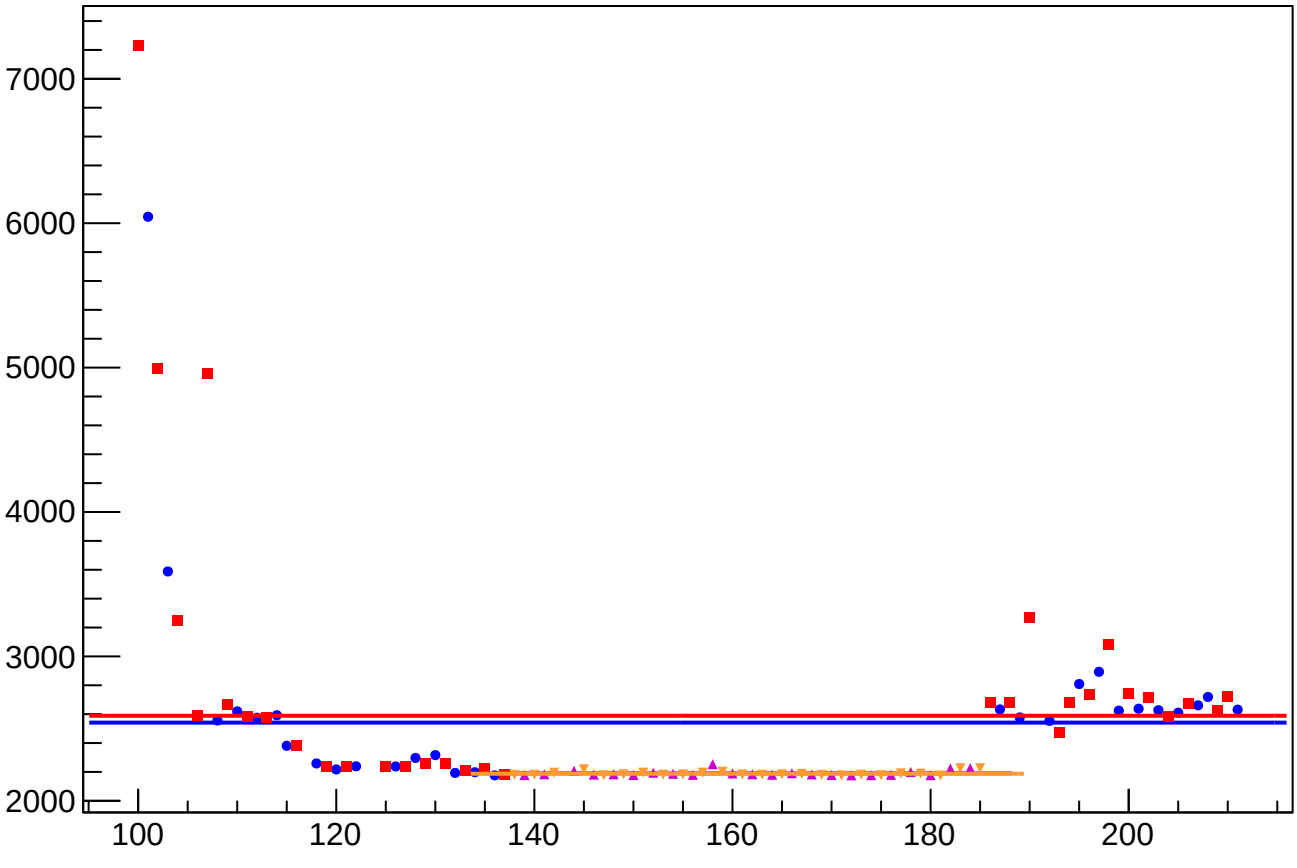
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -773.247+/-443.321 χ^2/NDF: 47.7/58

In: -451.869+/-397.242 χ^2/NDF:53.8/50

Out: -1106.892+/-393.612 χ^2/NDF:42.0/54

All: -782.387+/-279.600 χ^2/NDF: 97.2/105



Right In: 2541.532+/-0.446 χ^2/NDF: 780538.3/27

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2589.078+/-0.441 χ^2/NDF: 778923.2/30

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

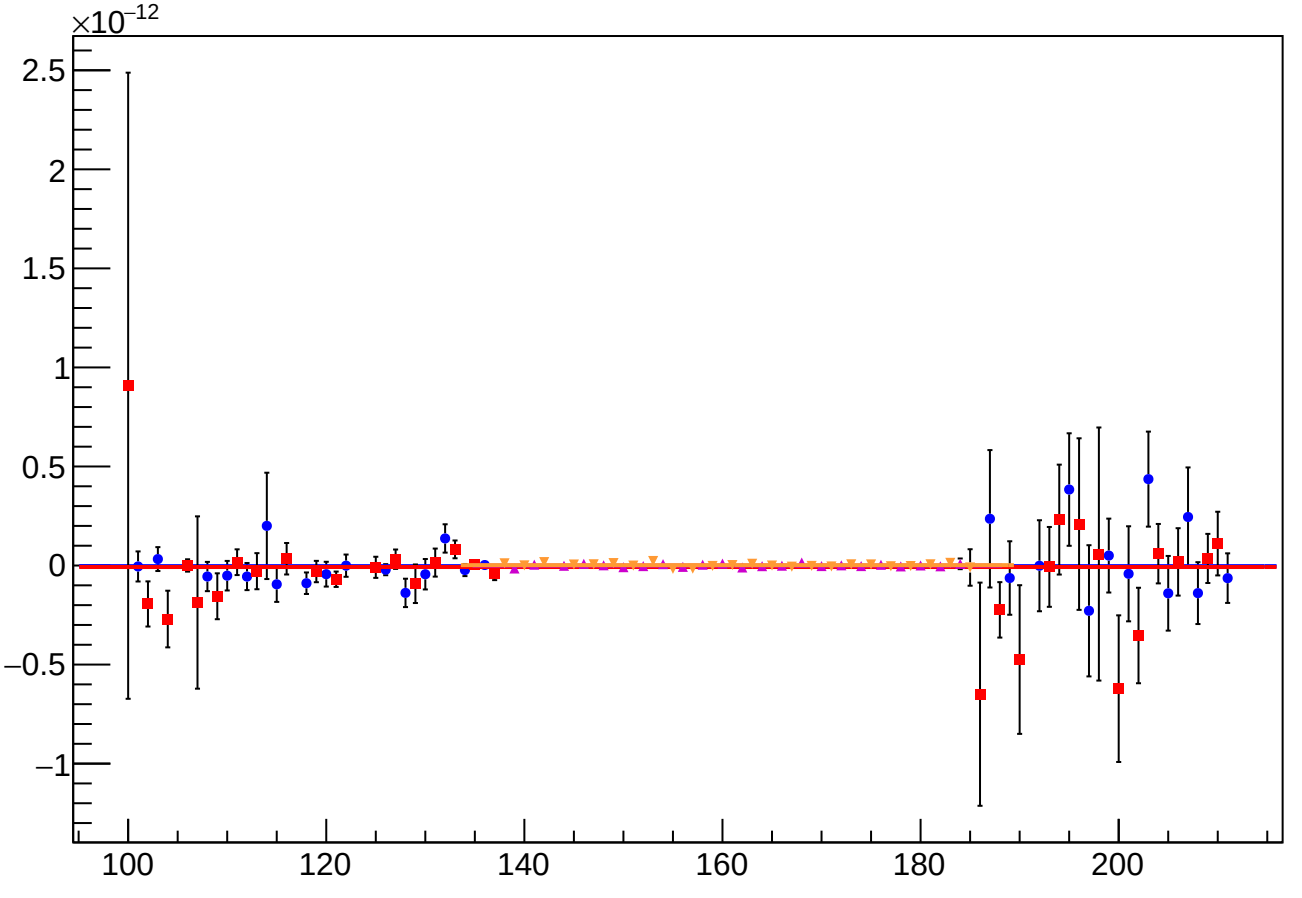
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2565.596+/-0.313 χ^2/NDF: 1565212.0/58

In: 2329.501+/-0.281 χ^2/NDF:1157524.7/50

Out: 2347.792+/-0.278 χ^2/NDF:1279165.9/54

All: 2338.730+/-0.198 χ^2/NDF: 2438830.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/30

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

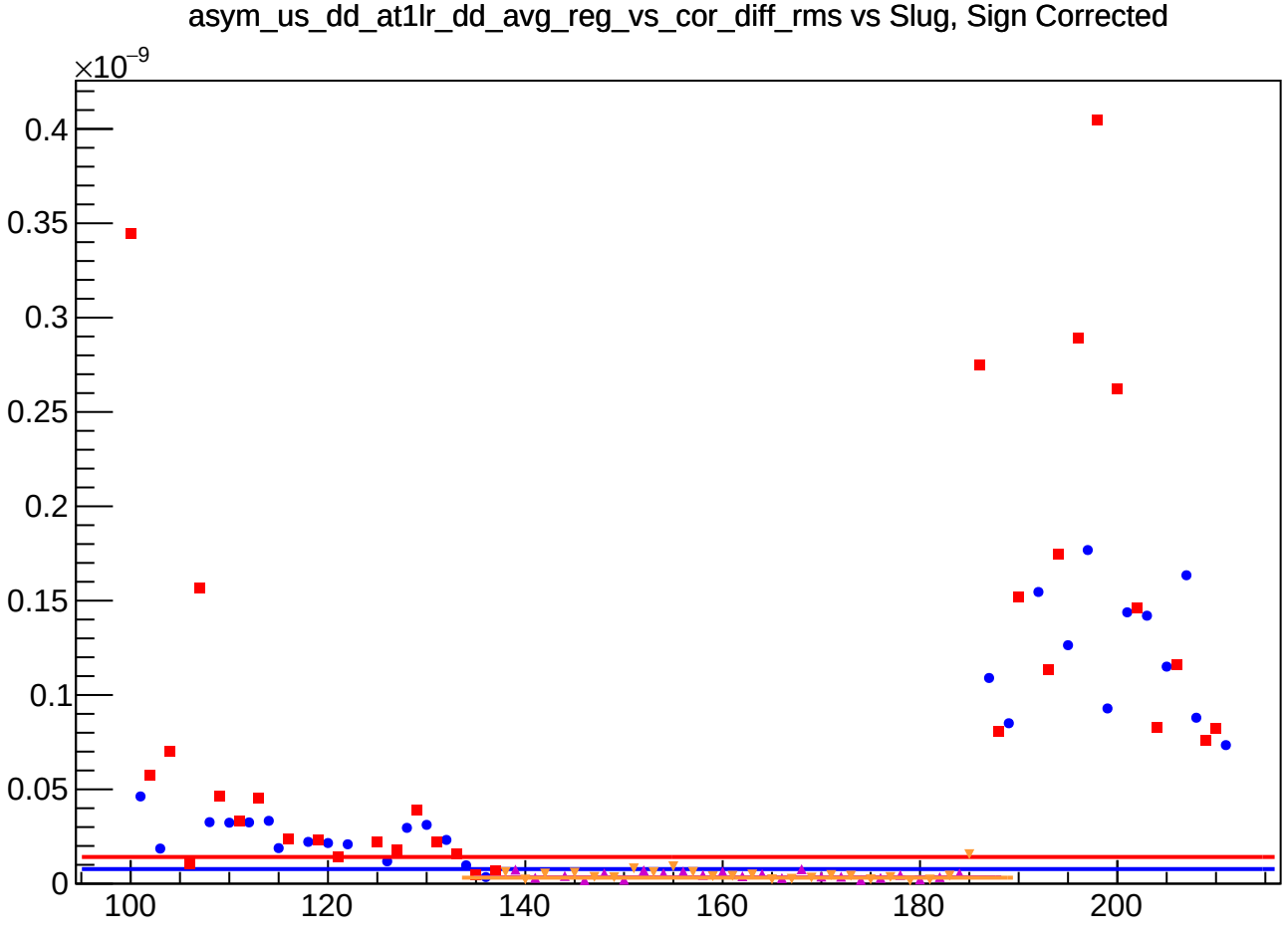
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 55.4/58

In: -0.000+/-0.000 χ^2/NDF:38.0/50

Out: 0.000+/-0.000 χ^2/NDF:51.2/54

All: 0.000+/-0.000 χ^2/NDF: 90.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 9316595.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10210781.2/30

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

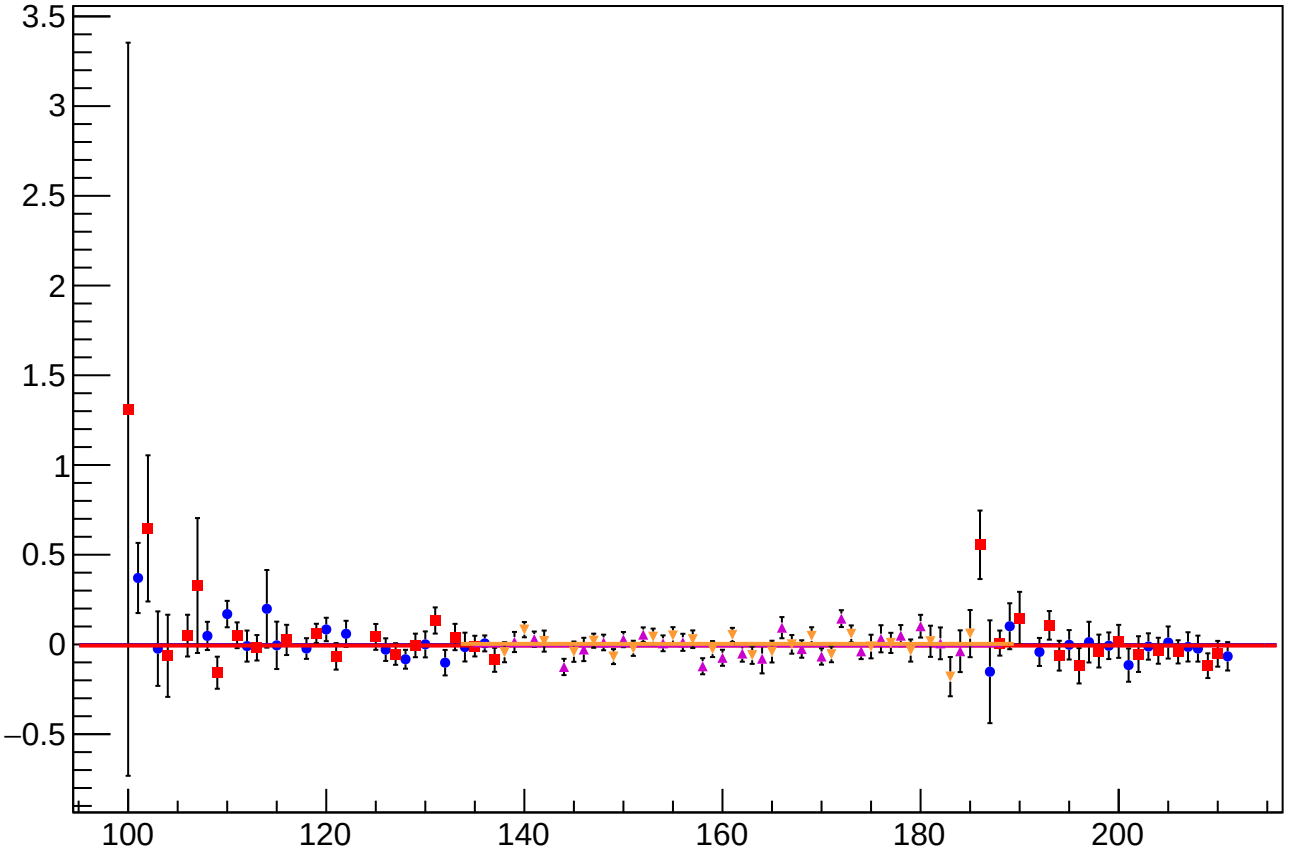
Right: 0.000+/-0.000 χ^2/NDF: 20150035.2/58

In: 0.000+/-0.000 χ^2/NDF:11928478.0/50

Out: 0.000+/-0.000 χ^2/NDF:14817676.3/54

All: 0.000+/-0.000 χ^2/NDF: 26769062.9/105

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.006+/-0.015 χ^2/NDF: 34.0/30

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

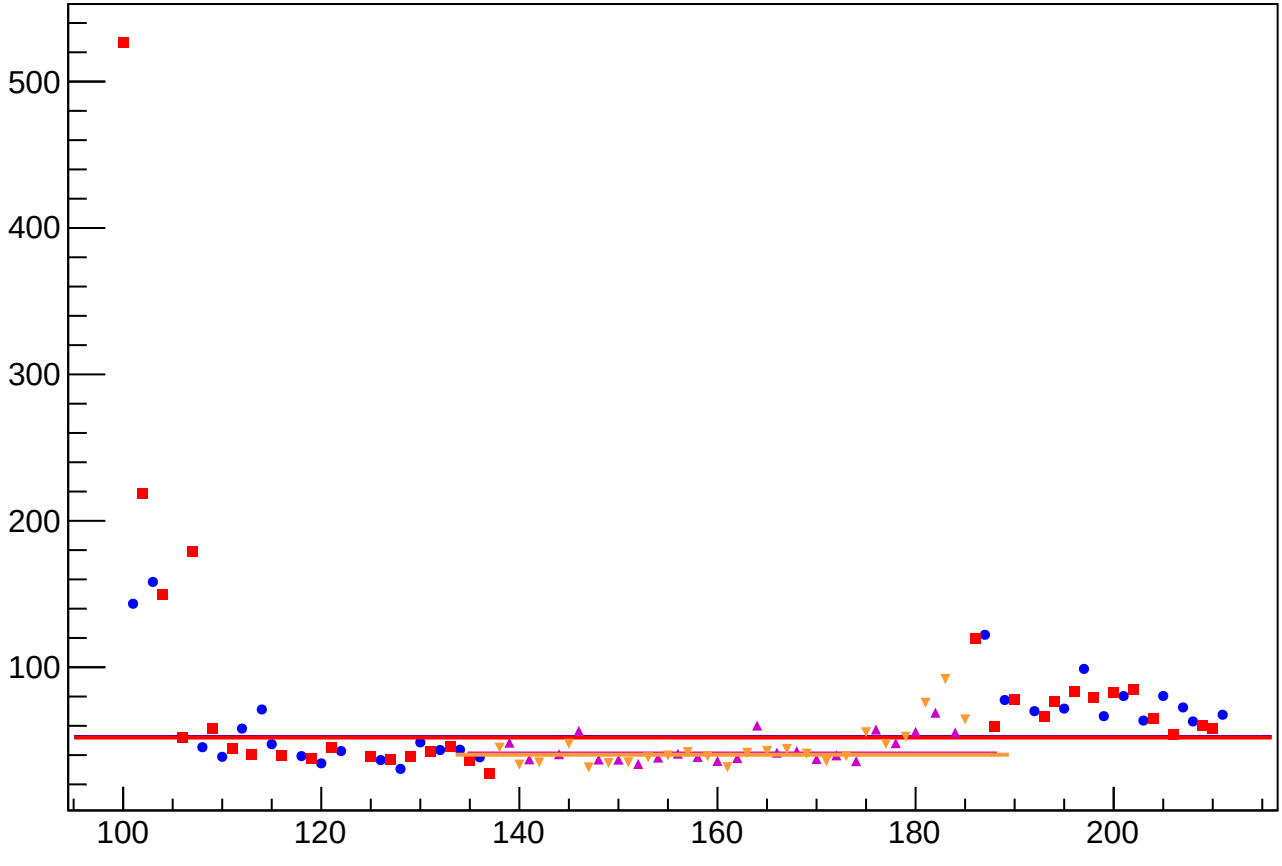
Right: -0.005+/-0.010 χ^2/NDF: 54.9/58

In: -0.005+/-0.009 χ^2/NDF:62.3/50

Out: 0.000+/-0.008 χ^2/NDF:56.2/54

All: -0.002+/-0.006 χ^2/NDF: 118.7/105

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.381+/-0.010 χ^2/NDF: 3562110.8/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.999+/-0.010 χ^2/NDF: 3573033.9/30

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

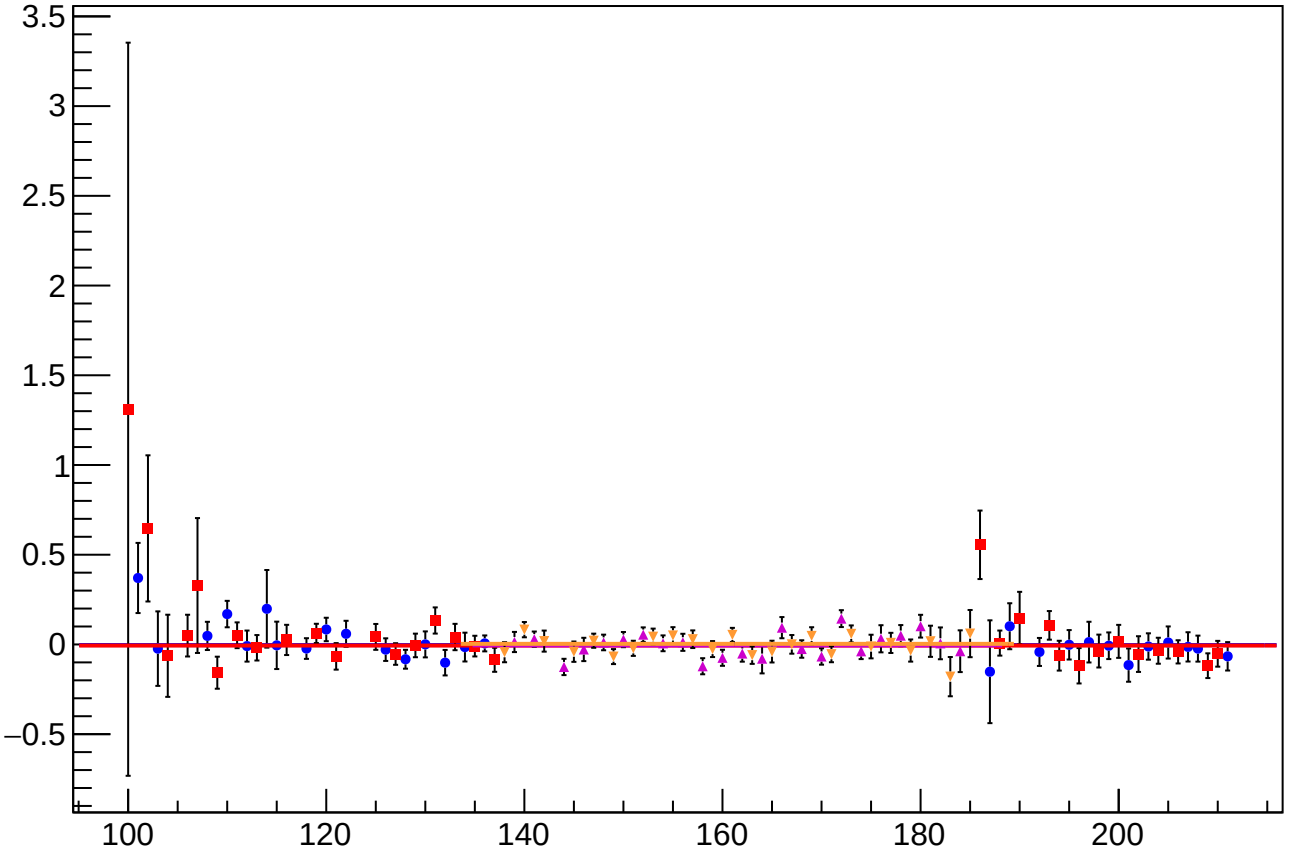
Right: 52.186+/-0.007 χ^2/NDF: 7135825.8/58

In: 44.898+/-0.006 χ^2/NDF:5261923.7/50

Out: 44.241+/-0.006 χ^2/NDF:5926307.6/54

All: 44.563+/-0.004 χ^2/NDF: 11194186.9/105

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.006+/-0.015 χ^2/NDF: 34.0/30

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

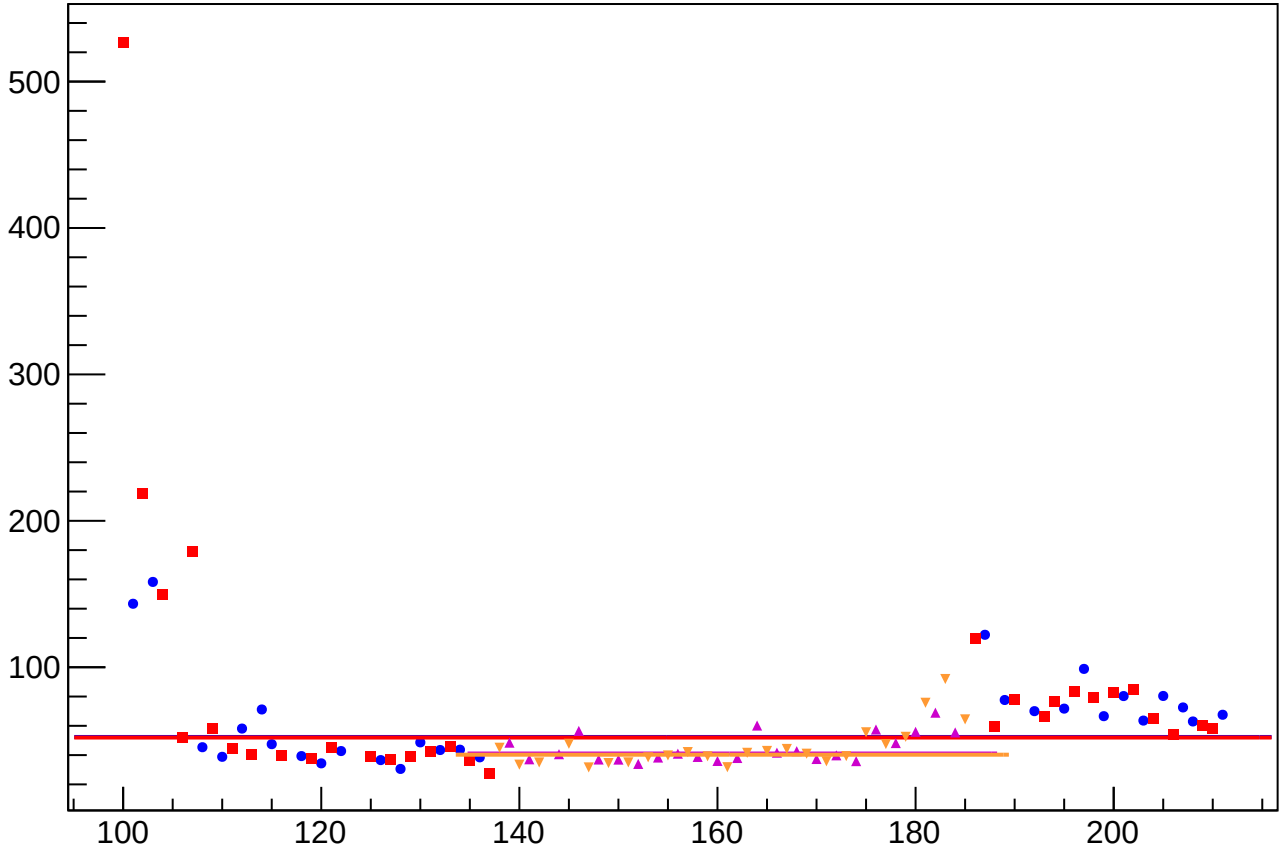
Right: -0.005+/-0.010 χ^2/NDF: 54.9/58

In: -0.005+/-0.009 χ^2/NDF:62.3/50

Out: 0.000+/-0.008 χ^2/NDF:56.2/54

All: -0.002+/-0.006 χ^2/NDF: 118.7/105

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.381+/-0.010 χ^2/NDF: 3562110.8/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.999+/-0.010 χ^2/NDF: 3573033.9/30

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

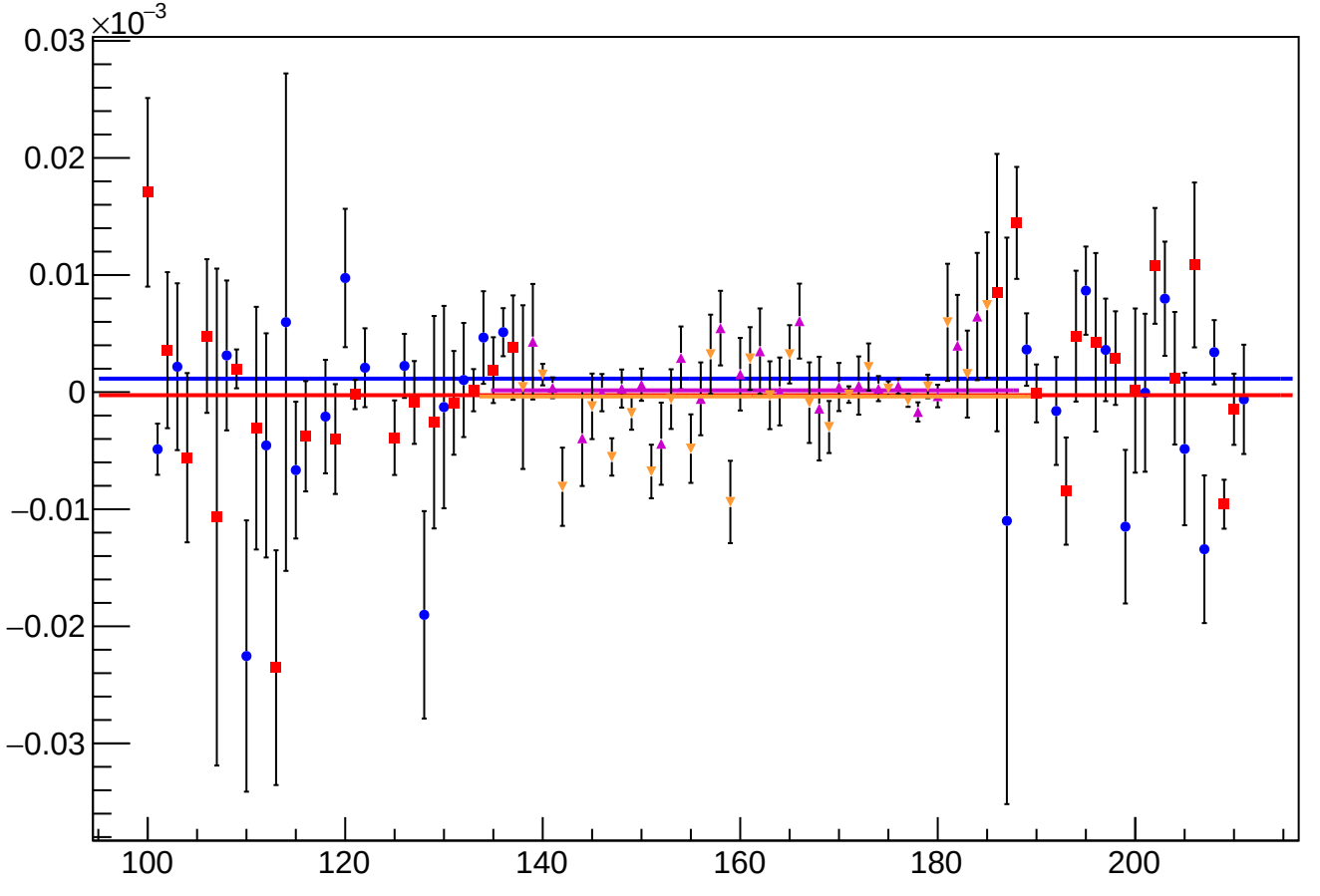
Right: 52.186+/-0.007 χ^2/NDF: 7135825.8/58

In: 44.898+/-0.006 χ^2/NDF:5261923.7/50

Out: 44.241+/-0.006 χ^2/NDF:5926307.6/54

All: 44.563+/-0.004 χ^2/NDF: 11194186.9/105

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: 44.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/30

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

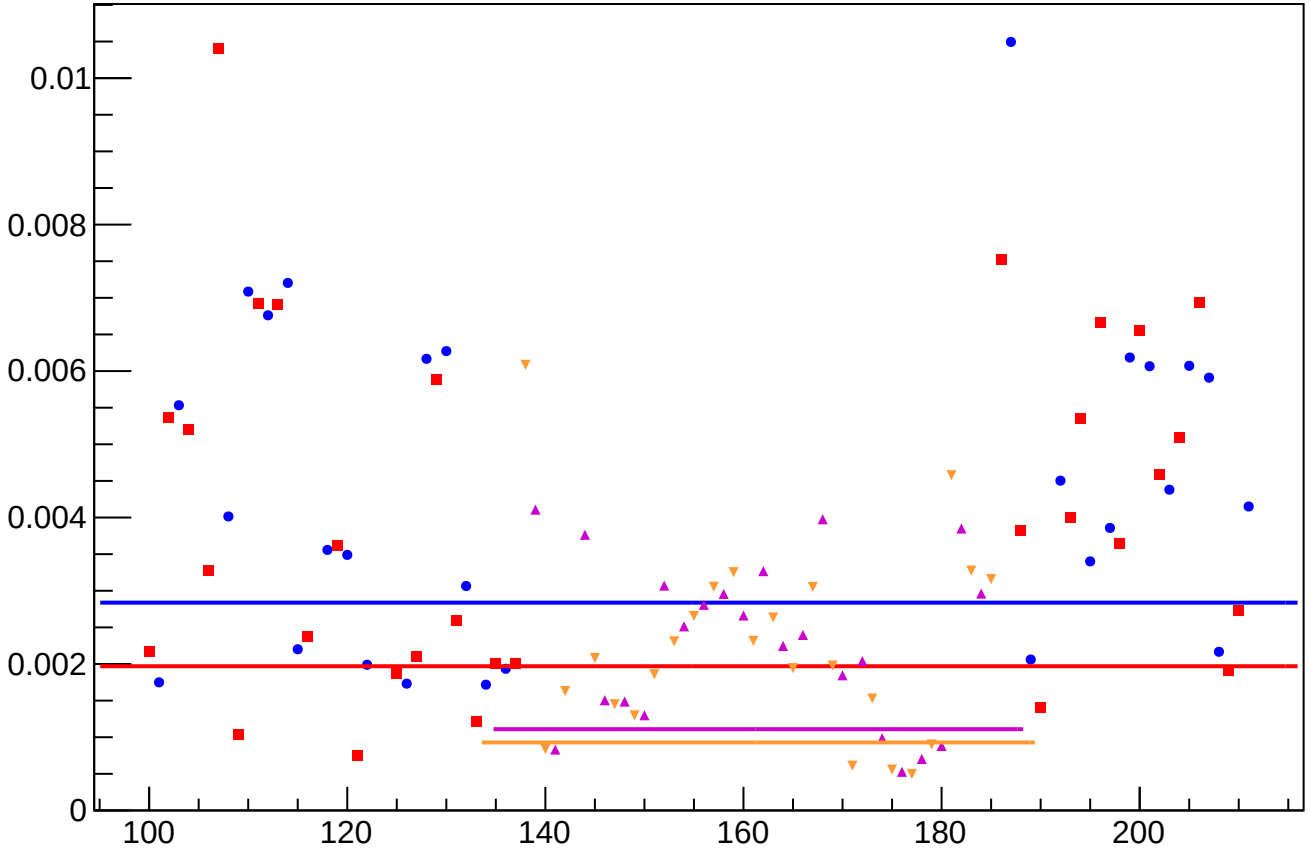
Right: 0.000+/-0.000 χ^2/NDF: 107.2/58

In: 0.000+/-0.000 χ^2/NDF:66.2/50

Out: -0.000+/-0.000 χ^2/NDF:111.5/54

All: -0.000+/-0.000 χ^2/NDF: 180.3/105

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: 6402159.9/27

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12047250.2/30

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

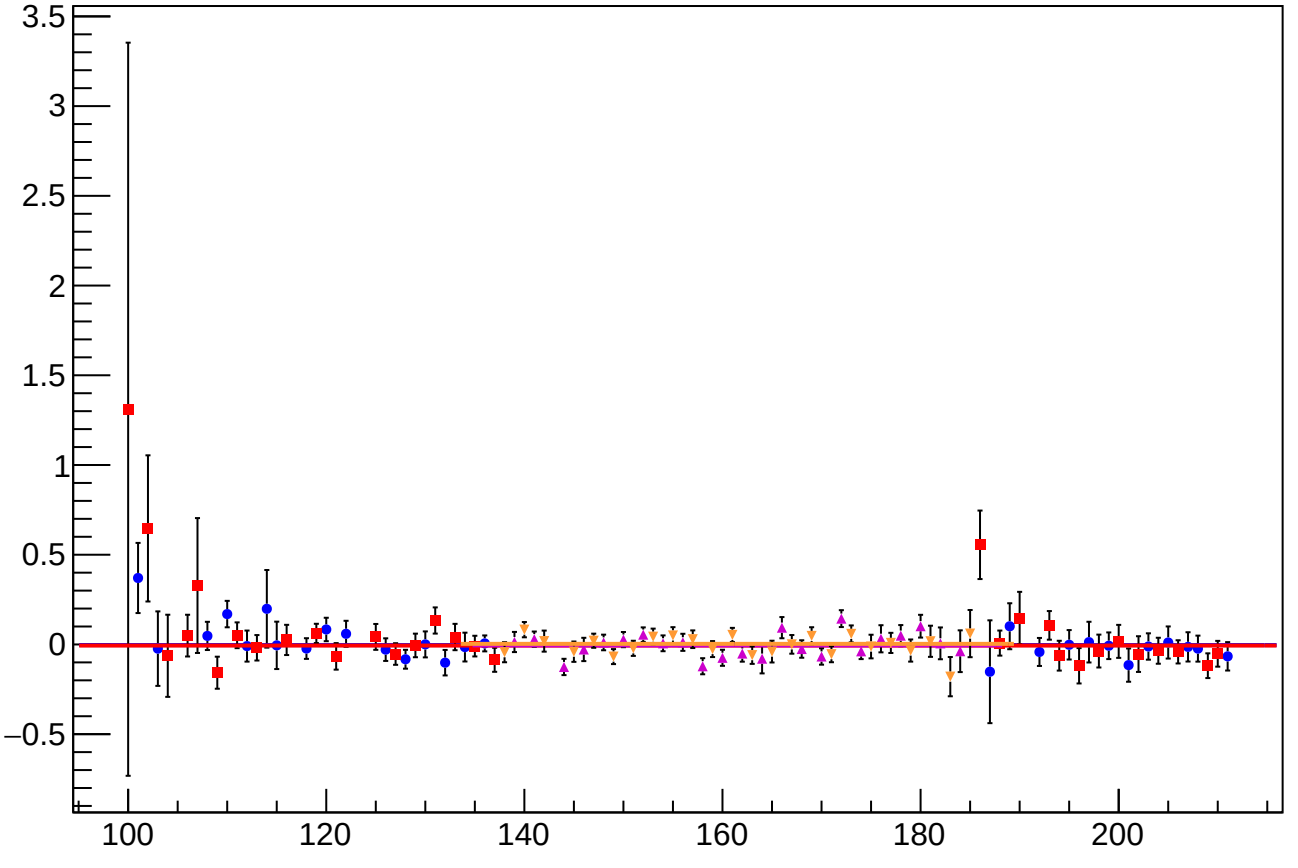
Right: 0.002+/-0.000 χ^2/NDF: 19947452.5/58

In: 0.001+/-0.000 χ^2/NDF:25351549.9/50

Out: 0.001+/-0.000 χ^2/NDF:29519398.4/54

All: 0.001+/-0.000 χ^2/NDF: 55597157.5/105

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.006+/-0.015 χ^2/NDF: 34.0/30

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

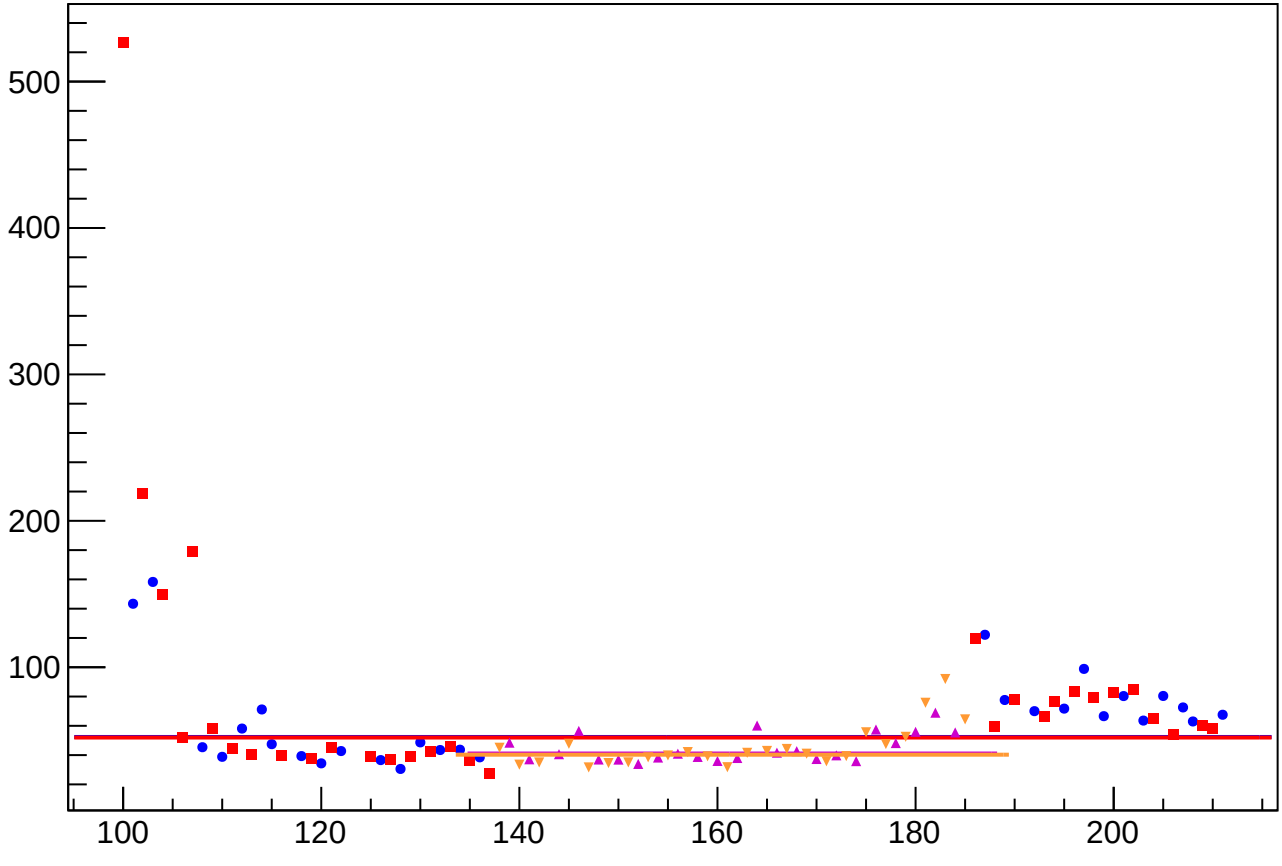
Right: -0.005+/-0.010 χ^2/NDF: 54.9/58

In: -0.005+/-0.009 χ^2/NDF:62.3/50

Out: 0.000+/-0.008 χ^2/NDF:56.2/54

All: -0.002+/-0.006 χ^2/NDF: 118.7/105

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.379+/-0.010 χ^2/NDF: 3562736.1/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 52.000+/-0.010 χ^2/NDF: 3572998.0/30

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

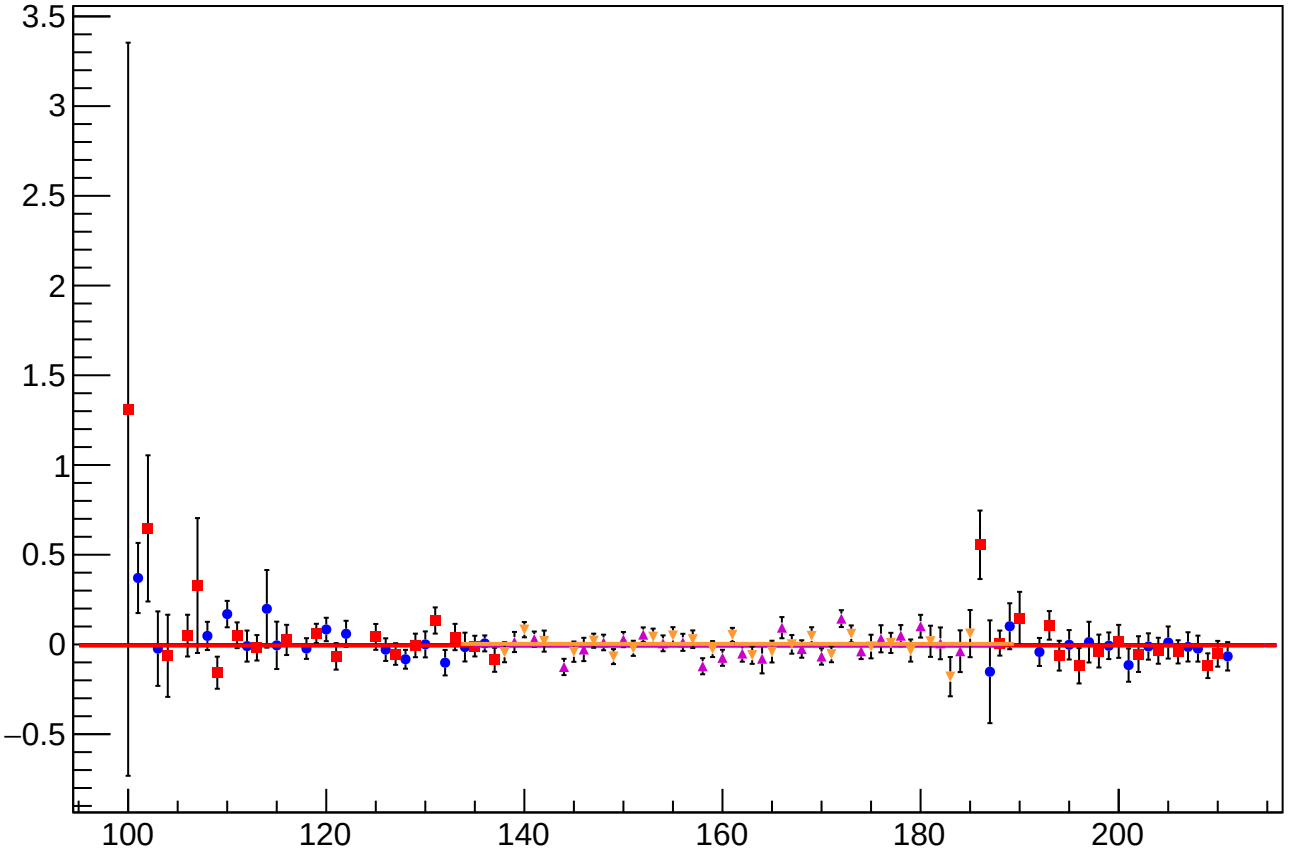
Right: 52.186+/-0.007 χ^2/NDF: 7136406.2/58

In: 44.898+/-0.006 χ^2/NDF:5262336.9/50

Out: 44.241+/-0.006 χ^2/NDF:5926312.3/54

All: 44.563+/-0.004 χ^2/NDF: 11194590.8/105

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.015 χ^2/NDF: 20.9/27

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.006+/-0.015 χ^2/NDF: 34.0/30

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

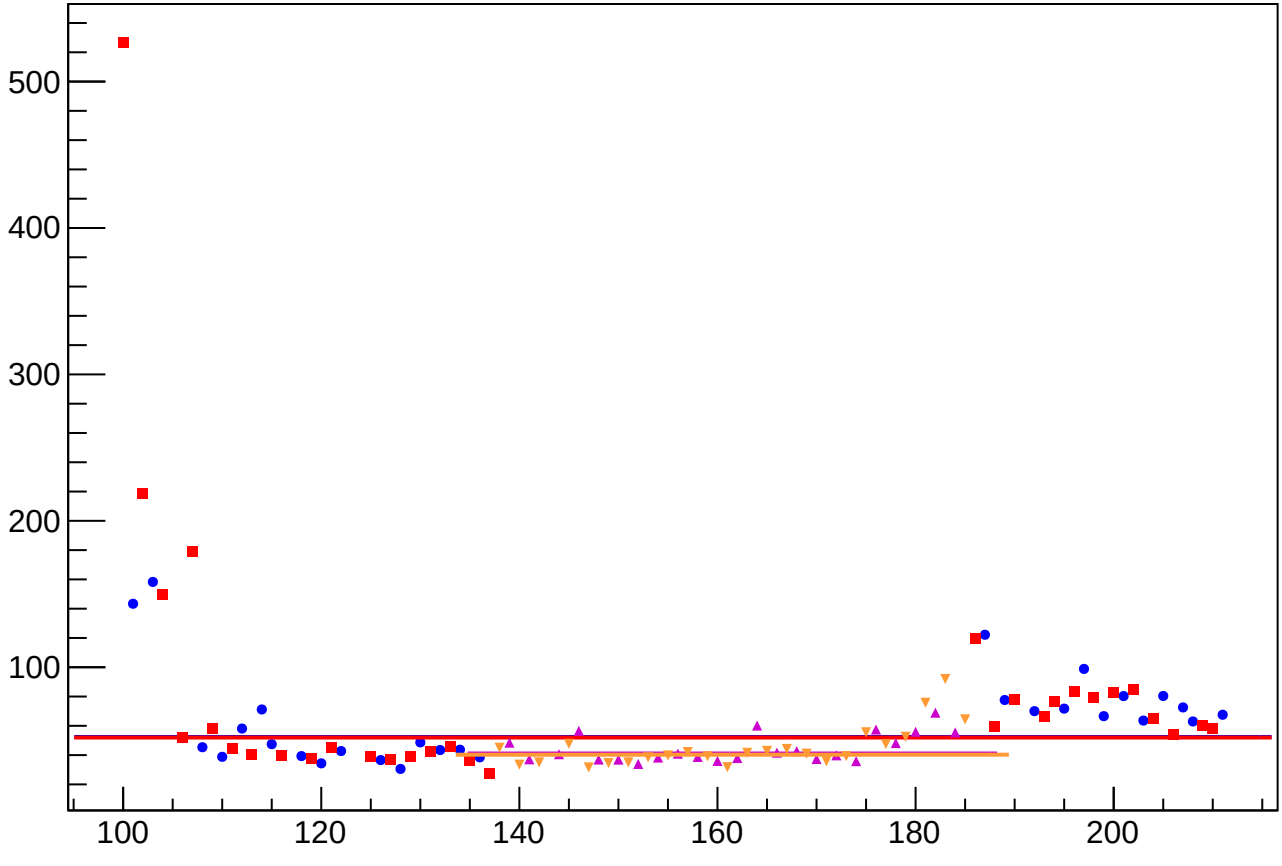
Right: -0.005+/-0.010 χ^2/NDF: 54.9/58

In: -0.005+/-0.009 χ^2/NDF:62.3/50

Out: 0.000+/-0.008 χ^2/NDF:56.2/54

All: -0.002+/-0.006 χ^2/NDF: 118.7/105

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.379+/-0.010 χ^2/NDF: 3562736.1/27

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 52.000+/-0.010 χ^2/NDF: 3572998.0/30

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

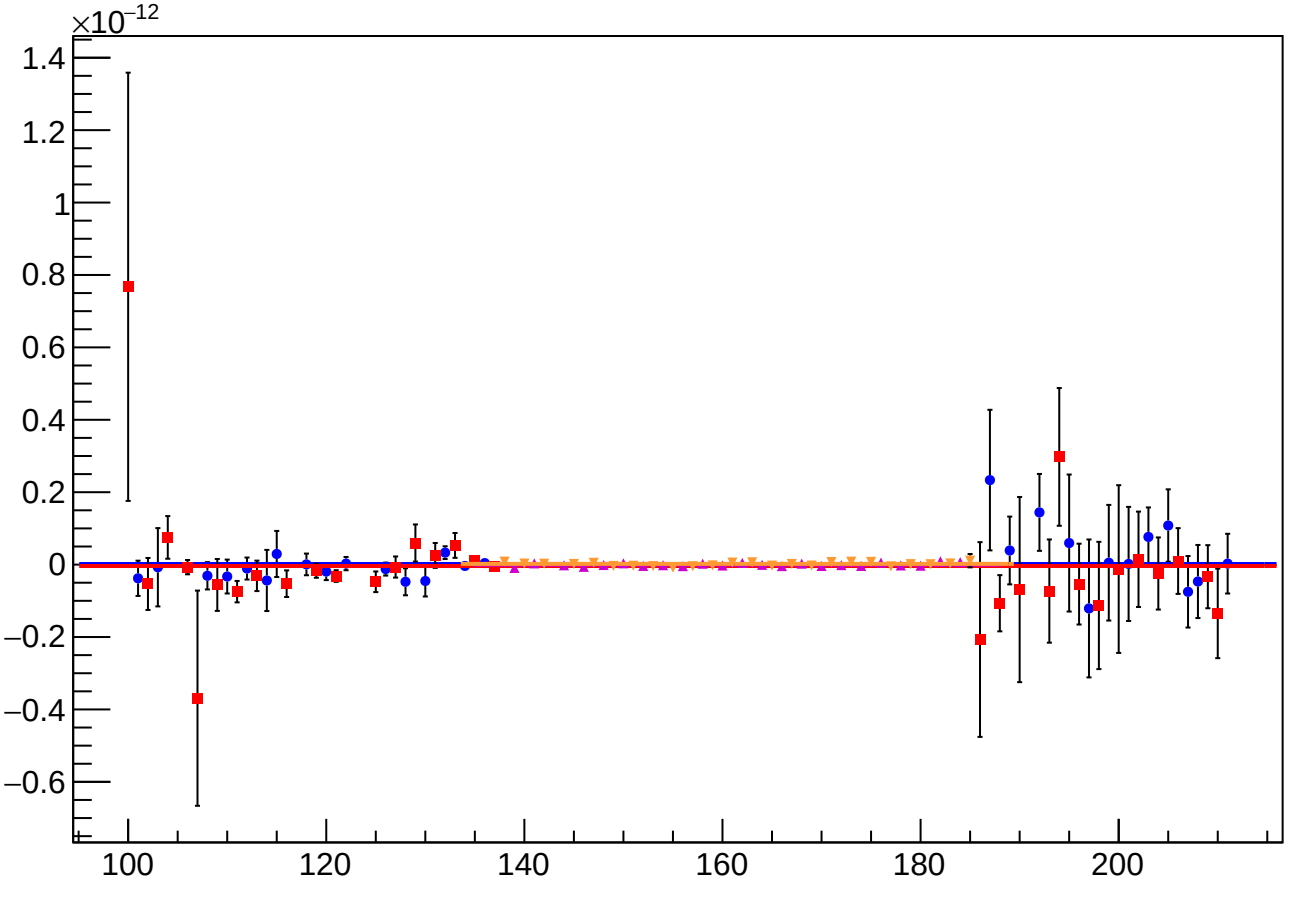
Right: 52.186+/-0.007 χ^2/NDF: 7136406.2/58

In: 44.898+/-0.006 χ^2/NDF:5262336.9/50

Out: 44.241+/-0.006 χ^2/NDF:5926312.3/54

All: 44.563+/-0.004 χ^2/NDF: 11194590.8/105

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: 17.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/30

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

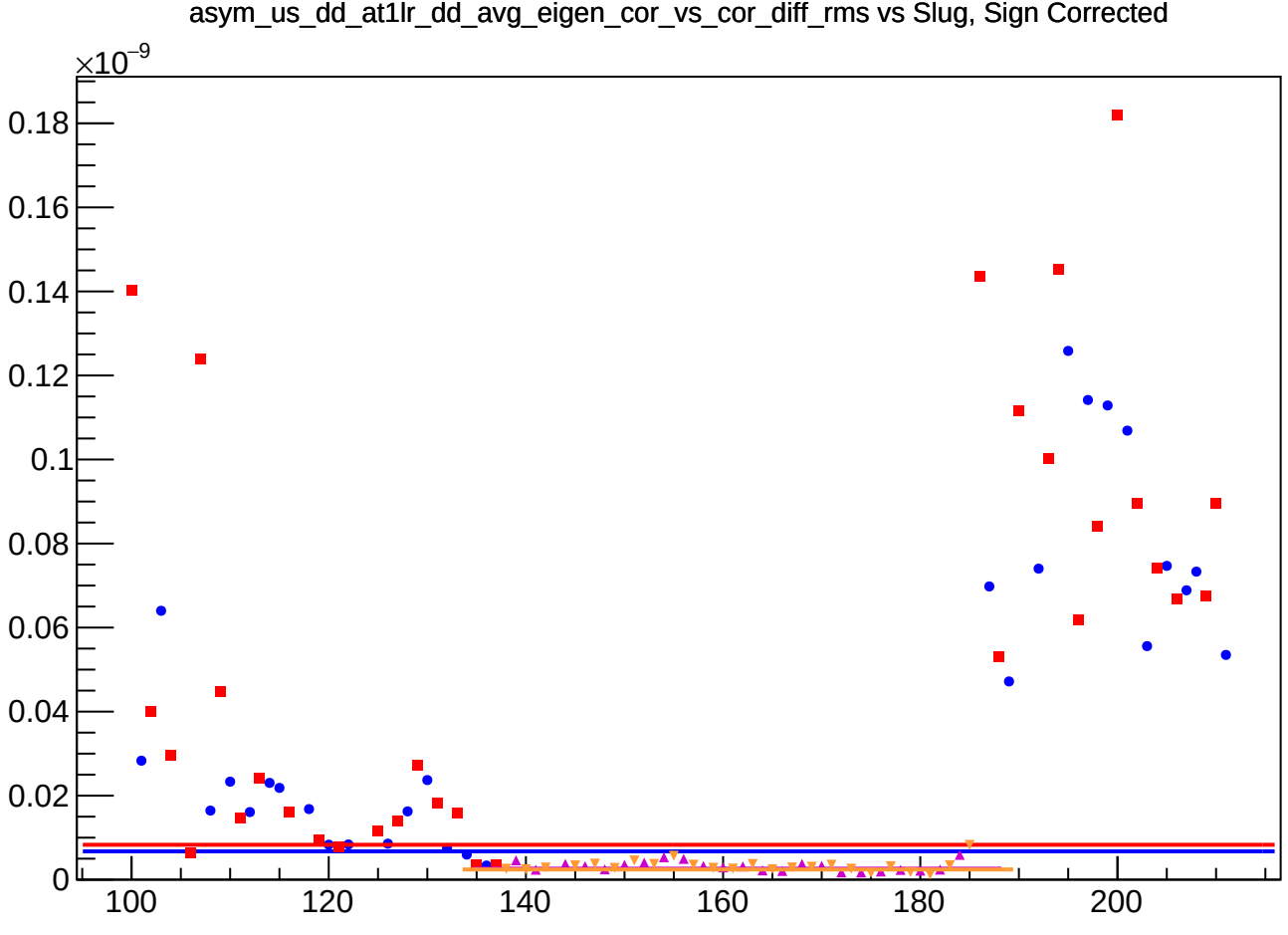
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

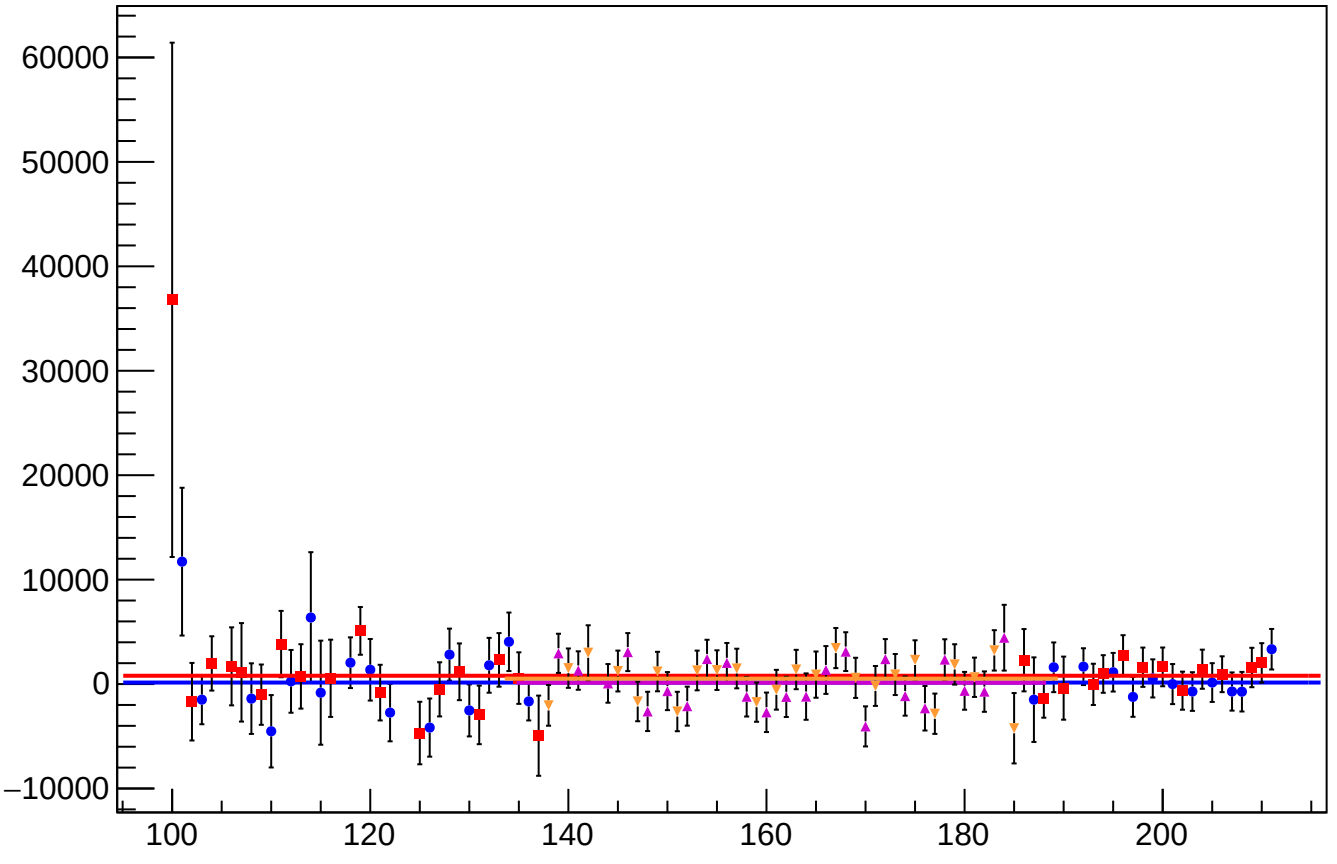
Right: -0.000+/-0.000 χ^2/NDF: 54.0/58

In: -0.000+/-0.000 χ^2/NDF:40.6/50

Out: 0.000+/-0.000 χ^2/NDF:62.6/54

All: 0.000+/-0.000 χ^2/NDF: 106.4/105


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11860720.4/27
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 13541080.5/30
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 25532232.0/58
In: 0.000+/-0.000 χ²/NDF:15960583.2/50
Out: 0.000+/-0.000 χ²/NDF:19378577.0/54
All: 0.000+/-0.000 χ²/NDF: 35404979.7/105



Right In: 145.652+/-442.321 χ^2/NDF: 21.6/27

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 796.881+/-431.064 χ^2/NDF: 20.8/30

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

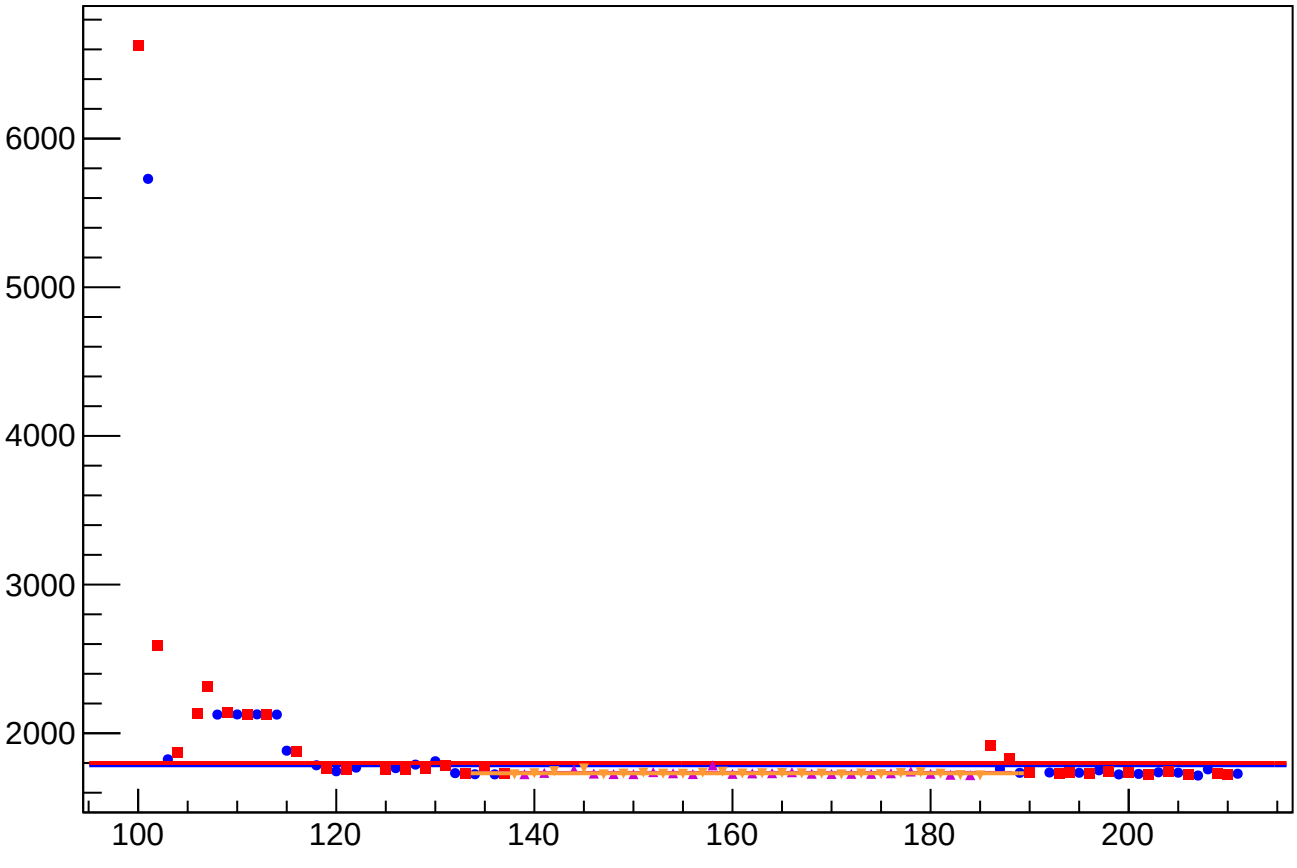
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 479.659+/-308.711 χ^2/NDF: 43.5/58

In: 134.970+/-298.554 χ^2/NDF:51.0/50

Out: 648.654+/-293.880 χ^2/NDF:41.8/54

All: 395.864+/-209.437 χ^2/NDF: 94.3/105



Right In: 1784.805+/-0.313 χ^2/NDF: 715929.8/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1799.964+/-0.305 χ^2/NDF: 317803.5/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

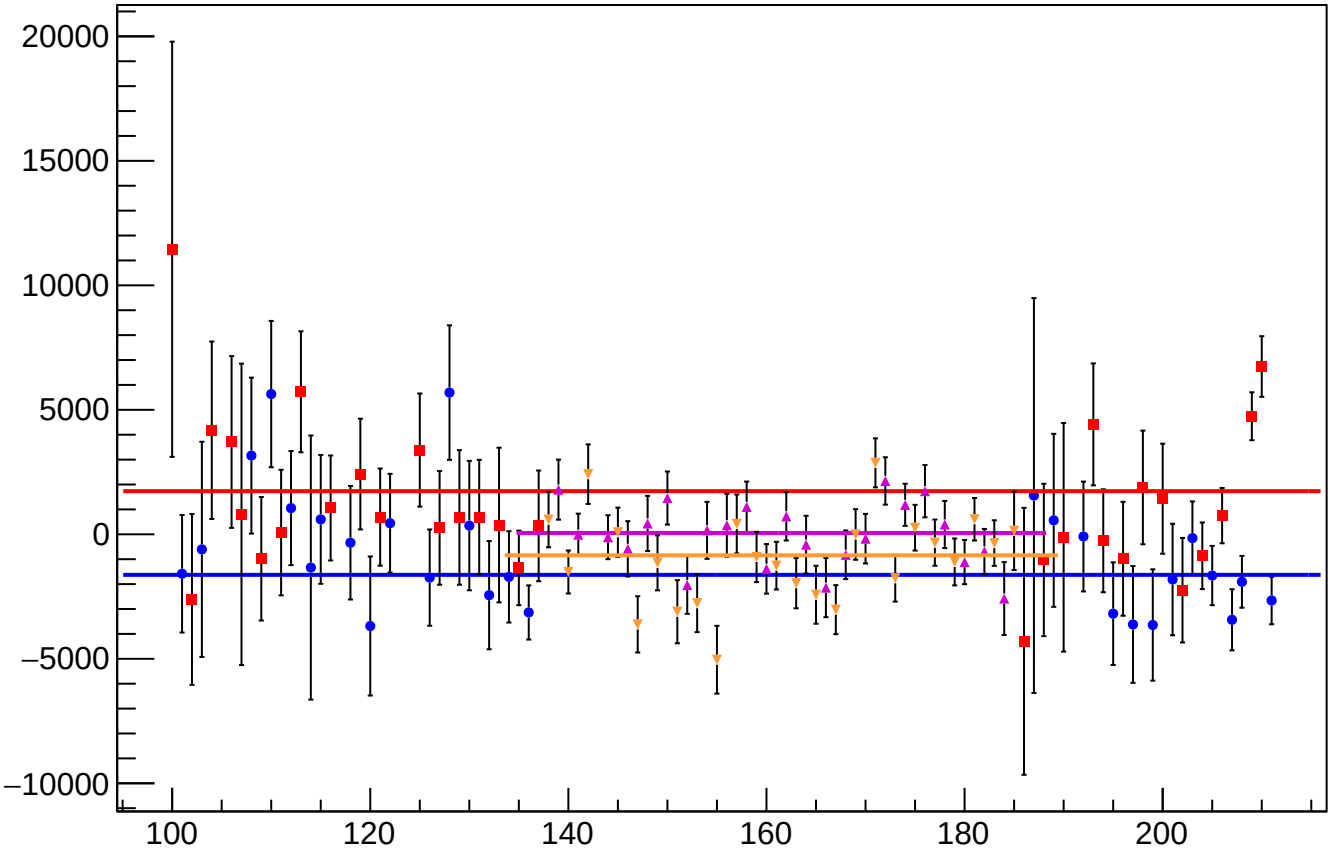
Right: 1792.579+/-0.218 χ^2/NDF: 1034938.2/58

In: 1756.605+/-0.211 χ^2/NDF:733098.6/50

Out: 1762.972+/-0.208 χ^2/NDF:346292.6/54

All: 1759.839+/-0.148 χ^2/NDF: 1079853.1/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1628.027+/-347.565 χ^2/NDF: 30.1/27

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 1733.198+/-366.136 χ^2/NDF: 55.4/30

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

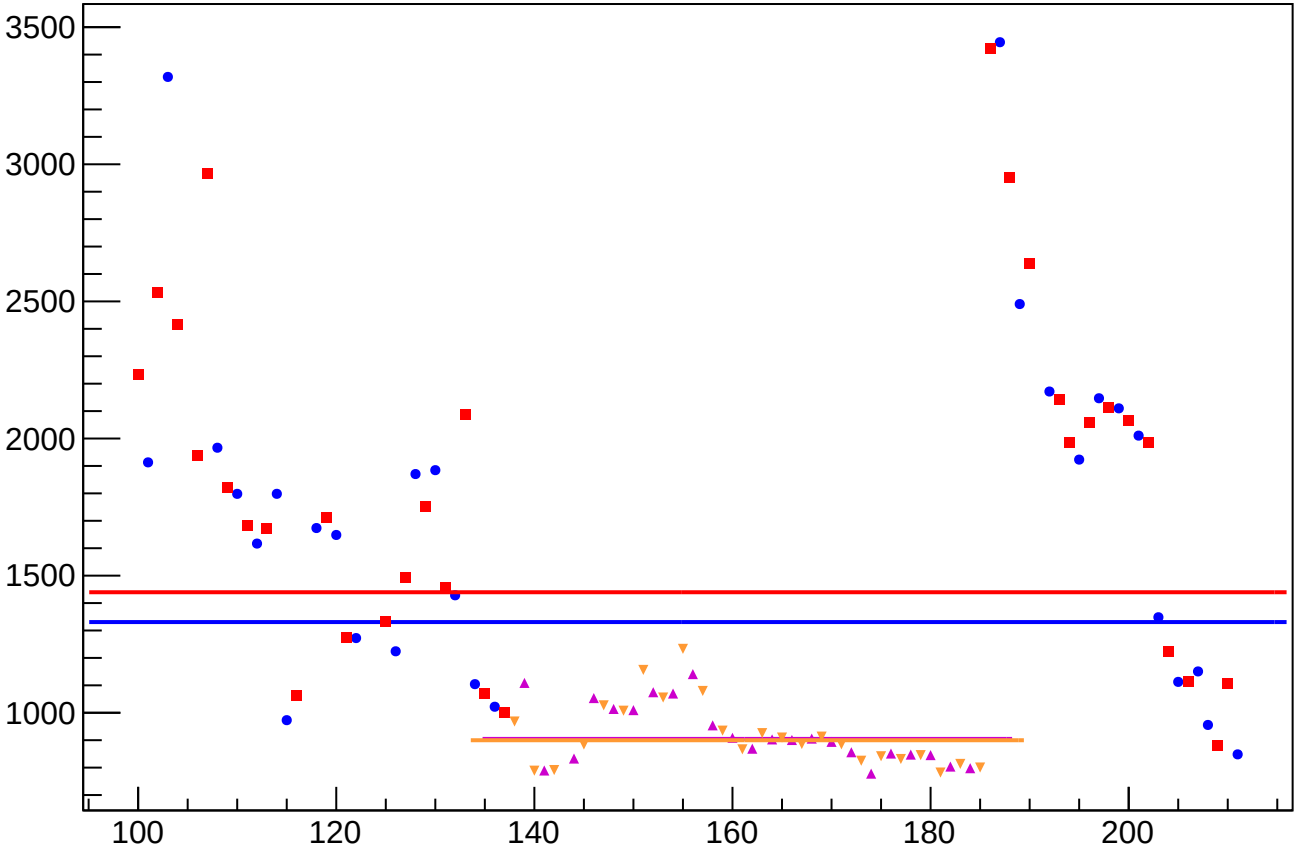
Right: -34.820+/-252.075 χ^2/NDF: 129.8/58

In: -405.202+/-181.589 χ^2/NDF:77.8/50

Out: -200.980+/-182.719 χ^2/NDF:155.2/54

All: -303.725+/-128.800 χ^2/NDF: 233.6/105

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1330.726+/-0.246 χ^2/NDF: 3579857.2/27

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1439.473+/-0.259 χ^2/NDF: 3915461.0/30

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

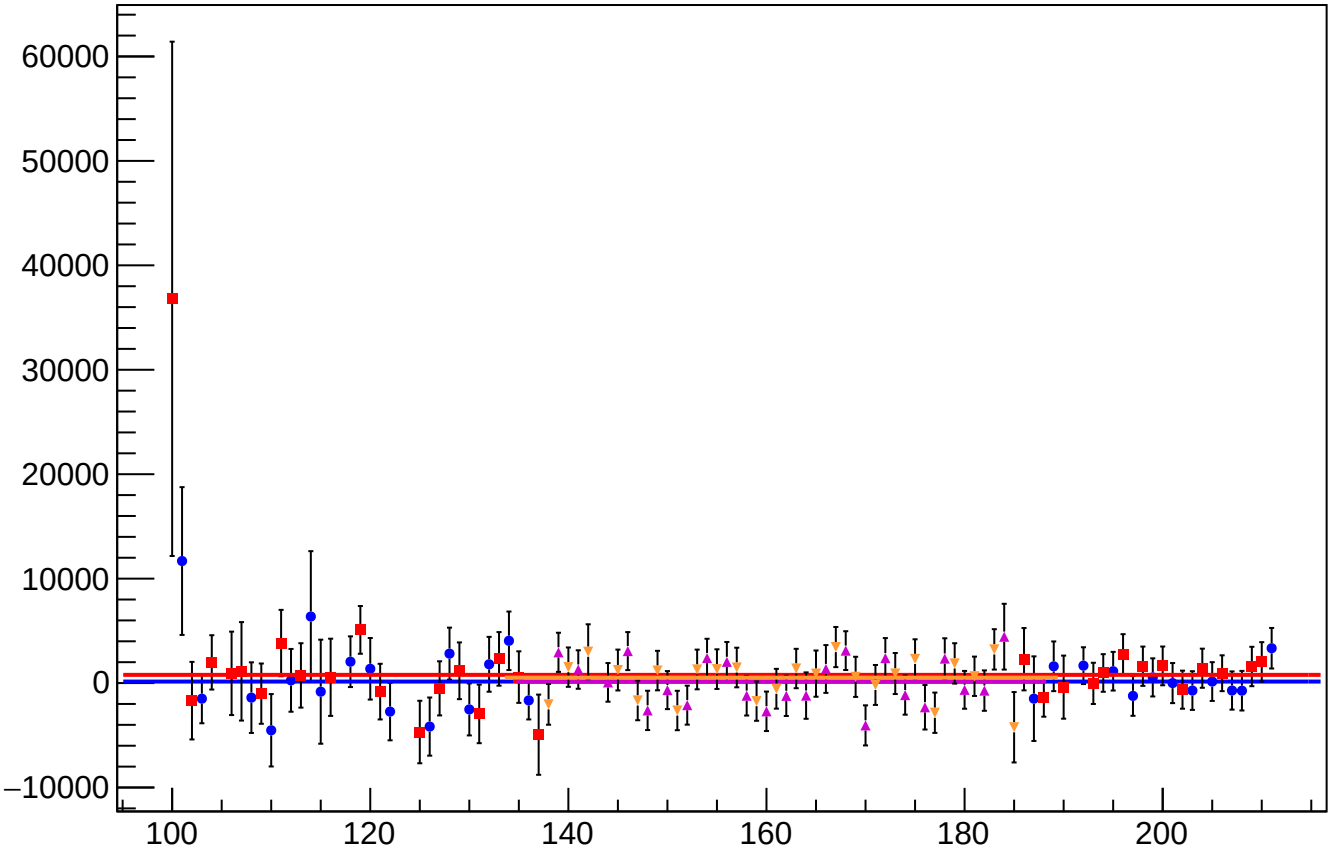
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1382.271+/-0.178 χ^2/NDF: 7588122.9/58

In: 1020.958+/-0.128 χ^2/NDF:6217232.0/50

Out: 1034.213+/-0.129 χ^2/NDF:7673656.2/54

All: 1027.544+/-0.091 χ^2/NDF: 13896183.5/1



Right In: 145.295+/-442.321 χ^2/NDF: 21.6/27

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 786.620+/-431.424 χ^2/NDF: 20.7/30

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

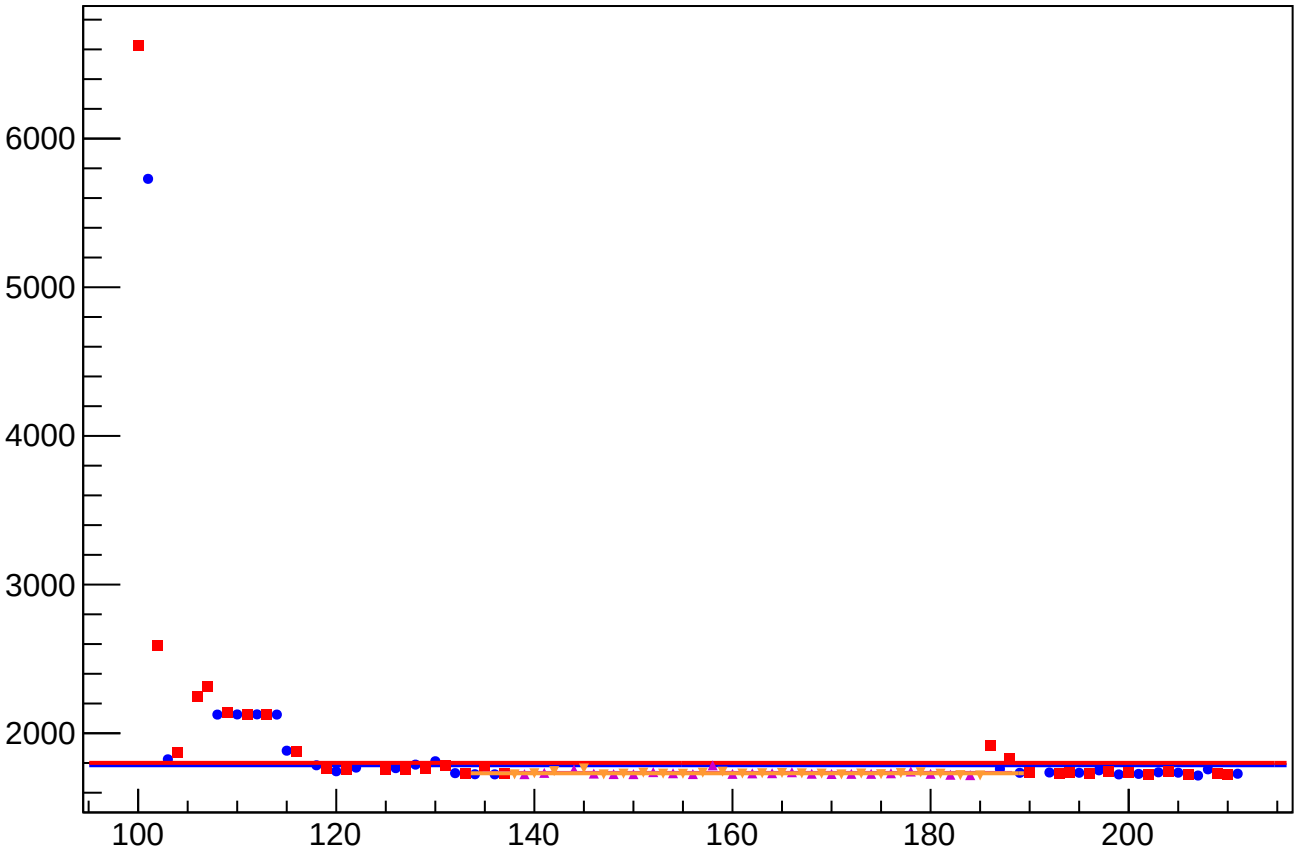
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 473.955+/-308.843 χ^2/NDF: 43.4/58

In: 134.841+/-298.554 χ^2/NDF:51.0/50

Out: 643.788+/-293.994 χ^2/NDF:41.7/54

All: 393.231+/-209.479 χ^2/NDF: 94.2/105



Right In: 1784.804+/-0.313 χ^2/NDF: 715929.7/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1800.769+/-0.305 χ^2/NDF: 327246.2/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

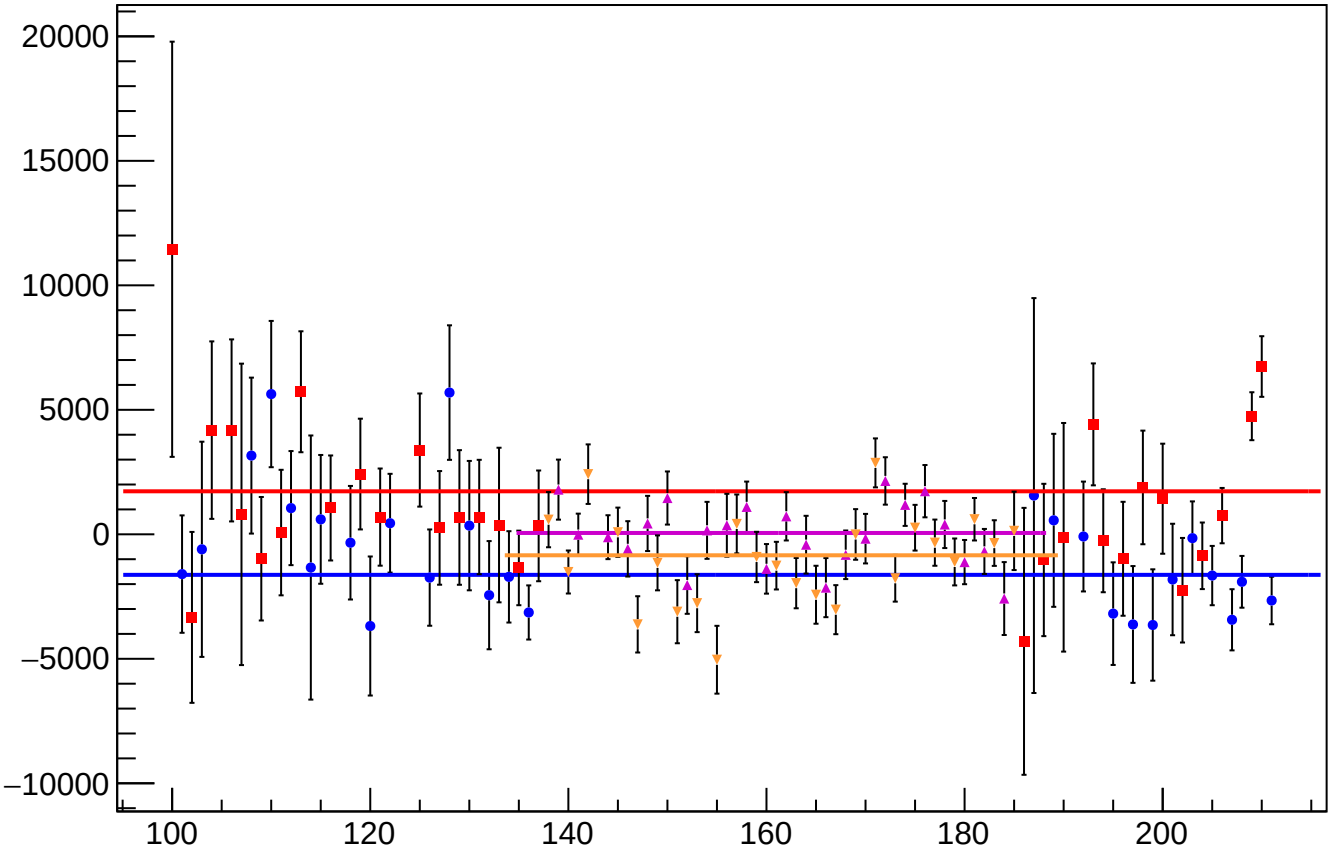
Right: 1792.986+/-0.218 χ^2/NDF: 1044511.1/58

In: 1756.605+/-0.211 χ^2/NDF:733098.4/50

Out: 1763.317+/-0.208 χ^2/NDF:356355.5/54

All: 1760.013+/-0.148 χ^2/NDF: 1089967.0/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1628.314+/-347.554 χ^2/NDF: 30.1/27

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1727.296+/-366.362 χ^2/NDF: 56.1/30

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

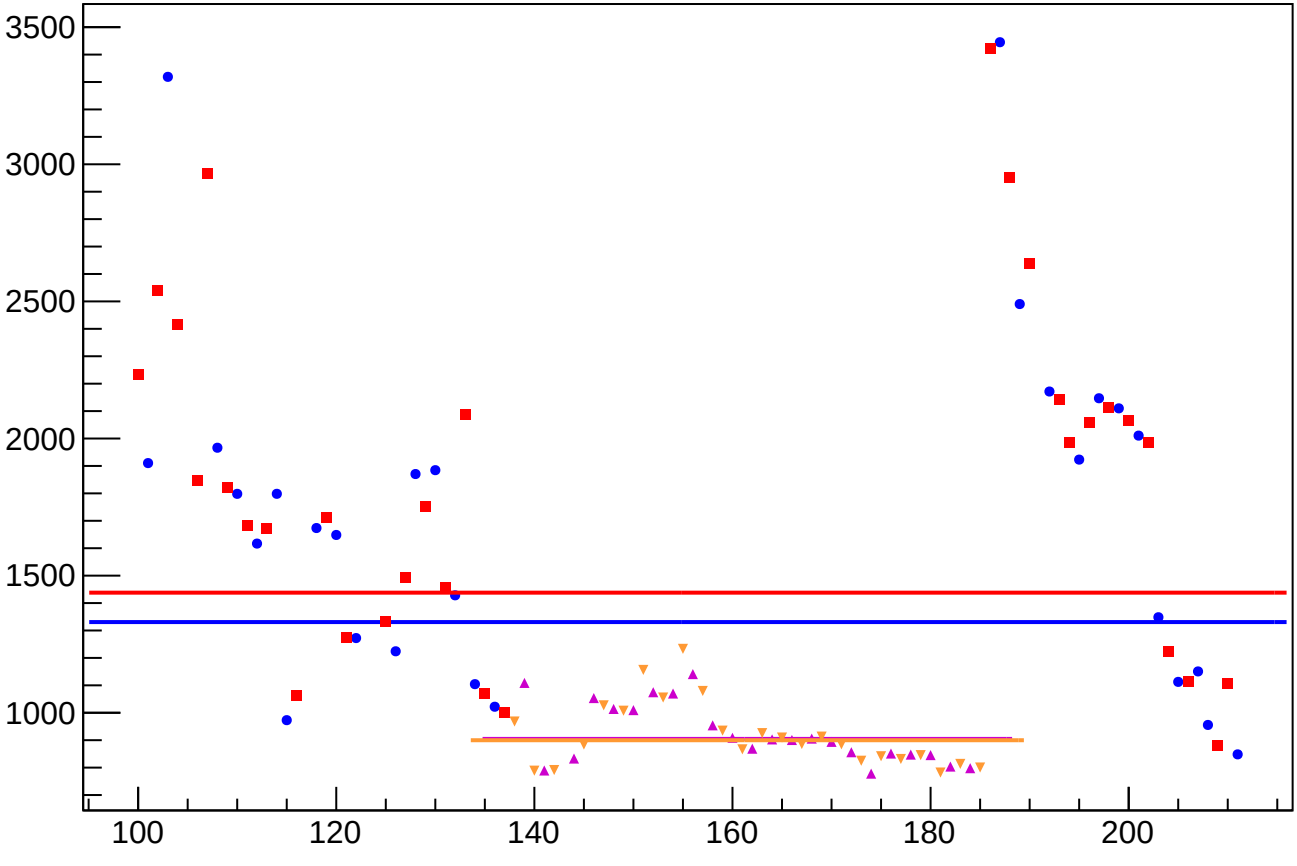
Right: -38.851+/-252.144 χ^2/NDF: 130.3/58

In: -405.283+/-181.586 χ^2/NDF:77.8/50

Out: -203.066+/-182.748 χ^2/NDF:155.7/54

All: -304.819+/-128.810 χ^2/NDF: 234.1/105

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1330.698+/-0.246 χ^2/NDF: 3579190.2/27

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1437.959+/-0.259 χ^2/NDF: 3900232.6/30

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

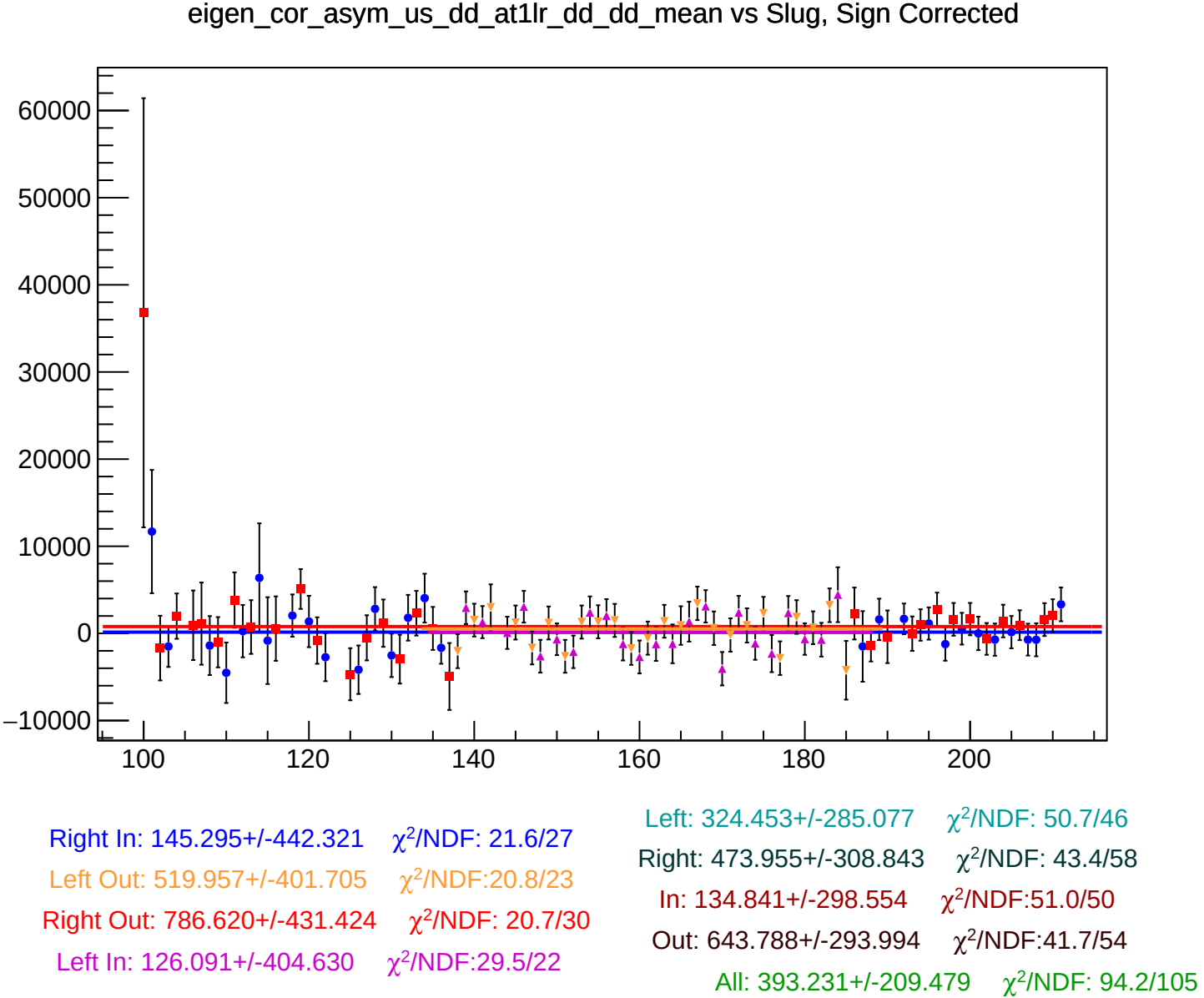
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

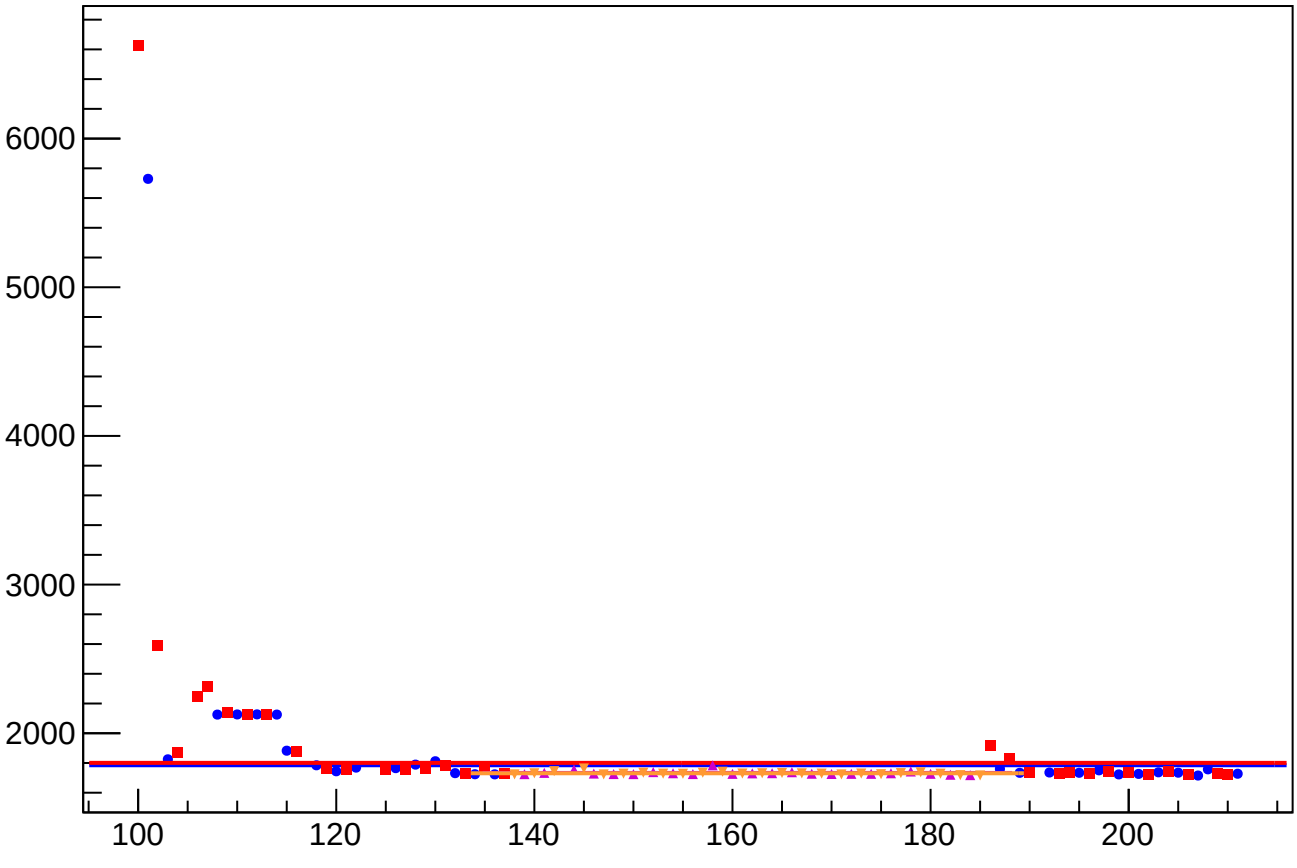
Right: 1381.504+/-0.178 χ^2/NDF: 7569652.8/58

In: 1020.953+/-0.128 χ^2/NDF:6216421.9/50

Out: 1033.715+/-0.129 χ^2/NDF:7637057.9/54

All: 1027.293+/-0.091 χ^2/NDF: 13858387.9/1


eigen_cor_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: 145.295+/-442.321 χ²/NDF: 21.6/27
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 786.620+/-431.424 χ²/NDF: 20.7/30
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 473.955+/-308.843 χ²/NDF: 43.4/58
In: 134.841+/-298.554 χ²/NDF:51.0/50
Out: 643.788+/-293.994 χ²/NDF:41.7/54
All: 393.231+/-209.479 χ²/NDF: 94.2/105



Right In: 1784.804+/-0.313 χ^2/NDF: 715929.7/27

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1800.769+/-0.305 χ^2/NDF: 327246.2/30

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

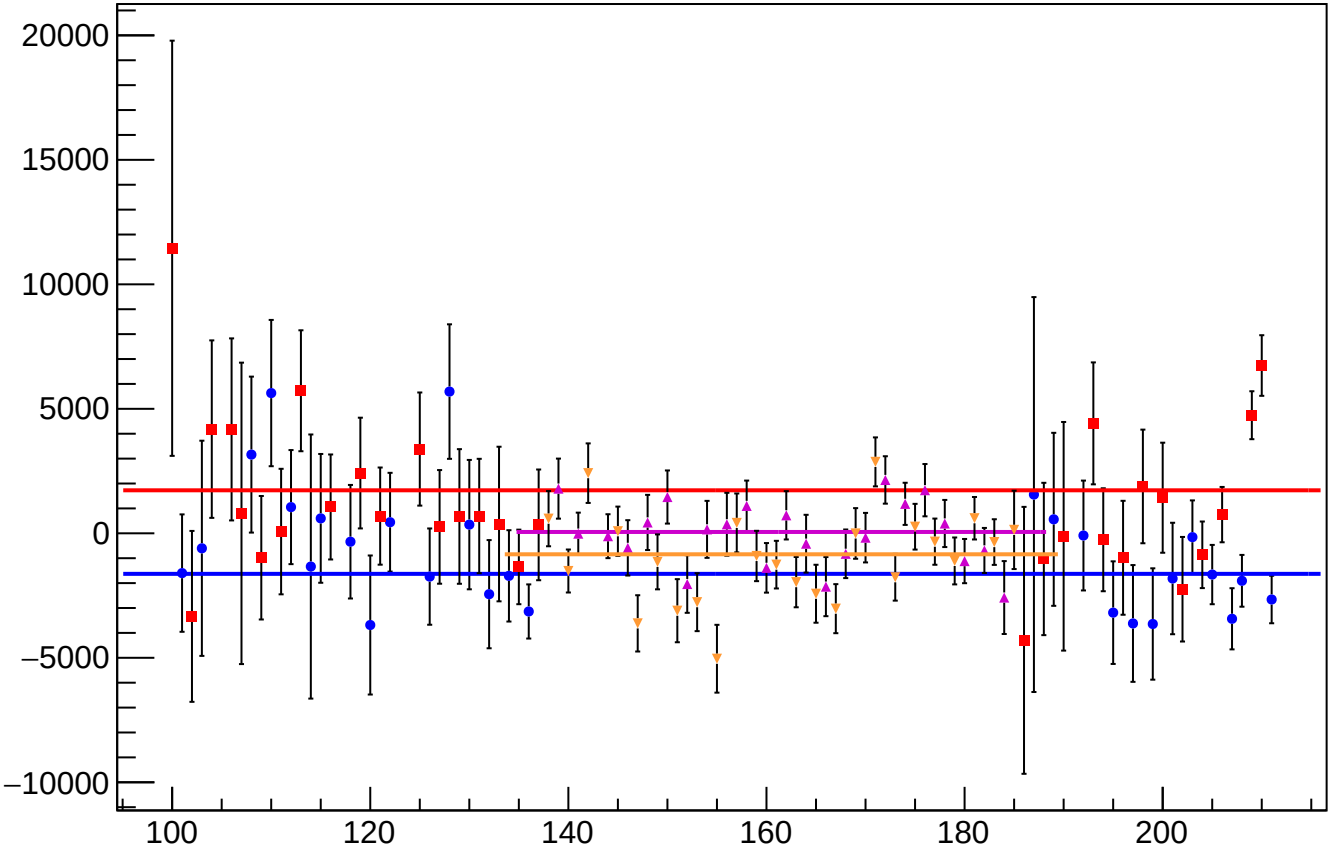
Right: 1792.986+/-0.218 χ^2/NDF: 1044511.1/58

In: 1756.605+/-0.211 χ^2/NDF:733098.4/50

Out: 1763.317+/-0.208 χ^2/NDF:356355.5/54

All: 1760.013+/-0.148 χ^2/NDF: 1089967.0/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1628.314+/-347.554 χ^2/NDF: 30.1/27

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1727.296+/-366.362 χ^2/NDF: 56.1/30

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

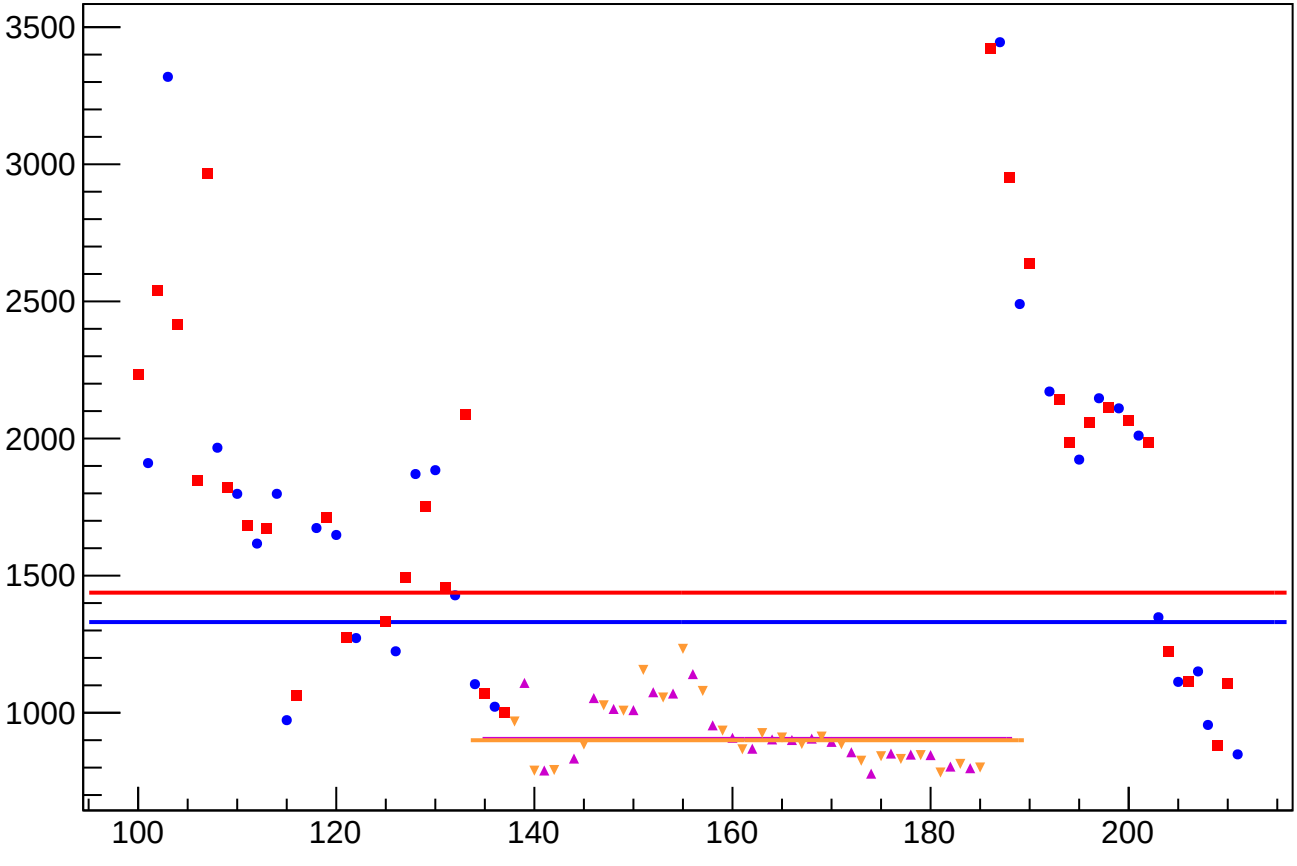
Right: -38.851+/-252.144 χ^2/NDF: 130.3/58

In: -405.283+/-181.586 χ^2/NDF:77.8/50

Out: -203.066+/-182.748 χ^2/NDF:155.7/54

All: -304.819+/-128.810 χ^2/NDF: 234.1/105

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1330.698+/-0.246 χ^2/NDF: 3579190.2/27

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1437.959+/-0.259 χ^2/NDF: 3900232.6/30

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

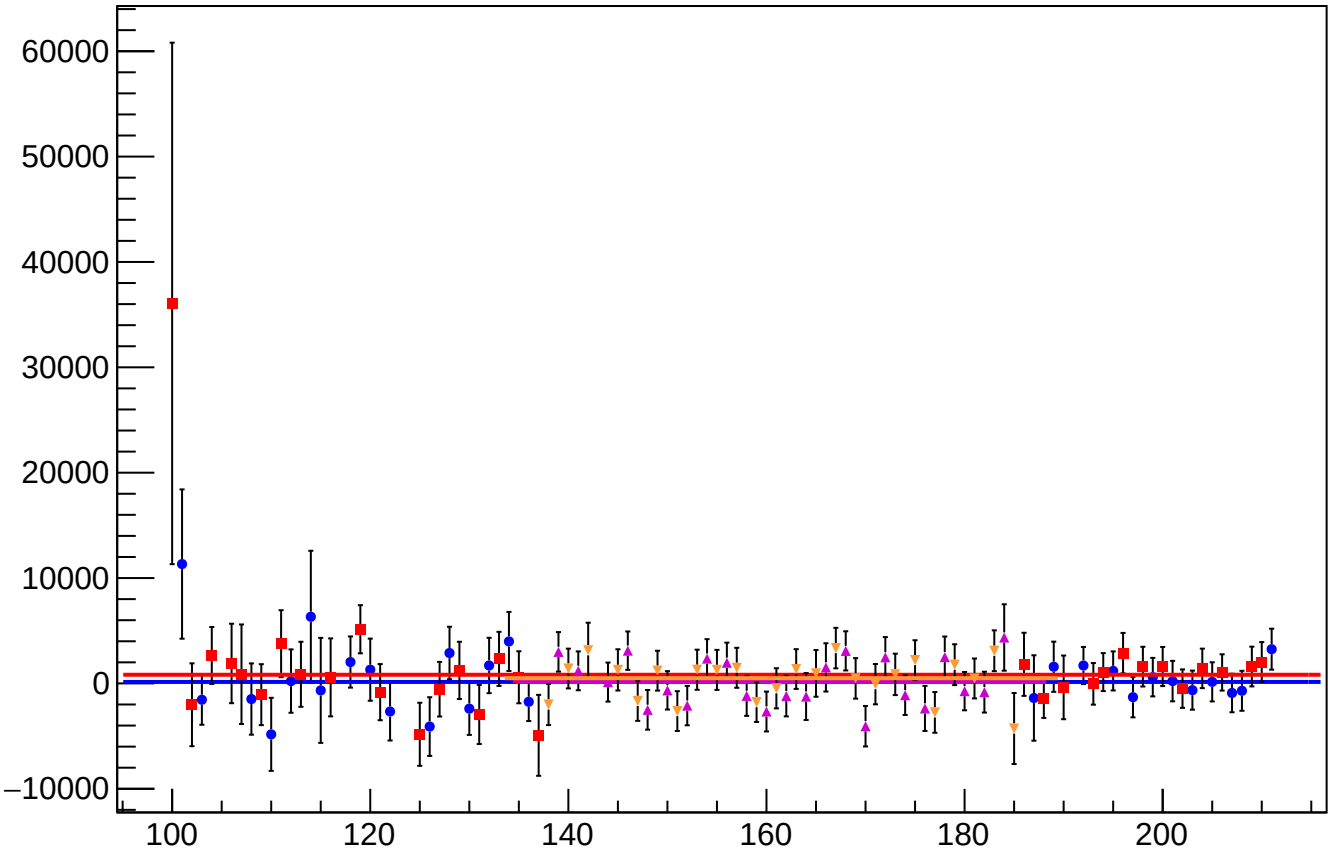
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1381.504+/-0.178 χ^2/NDF: 7569652.8/58

In: 1020.953+/-0.128 χ^2/NDF:6216421.9/50

Out: 1033.715+/-0.129 χ^2/NDF:7637057.9/54

All: 1027.293+/-0.091 χ^2/NDF: 13858387.9/1



Right In: 141.017+/-442.795 χ^2/NDF: 21.5/27

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 821.791+/-432.327 χ^2/NDF: 21.2/30

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

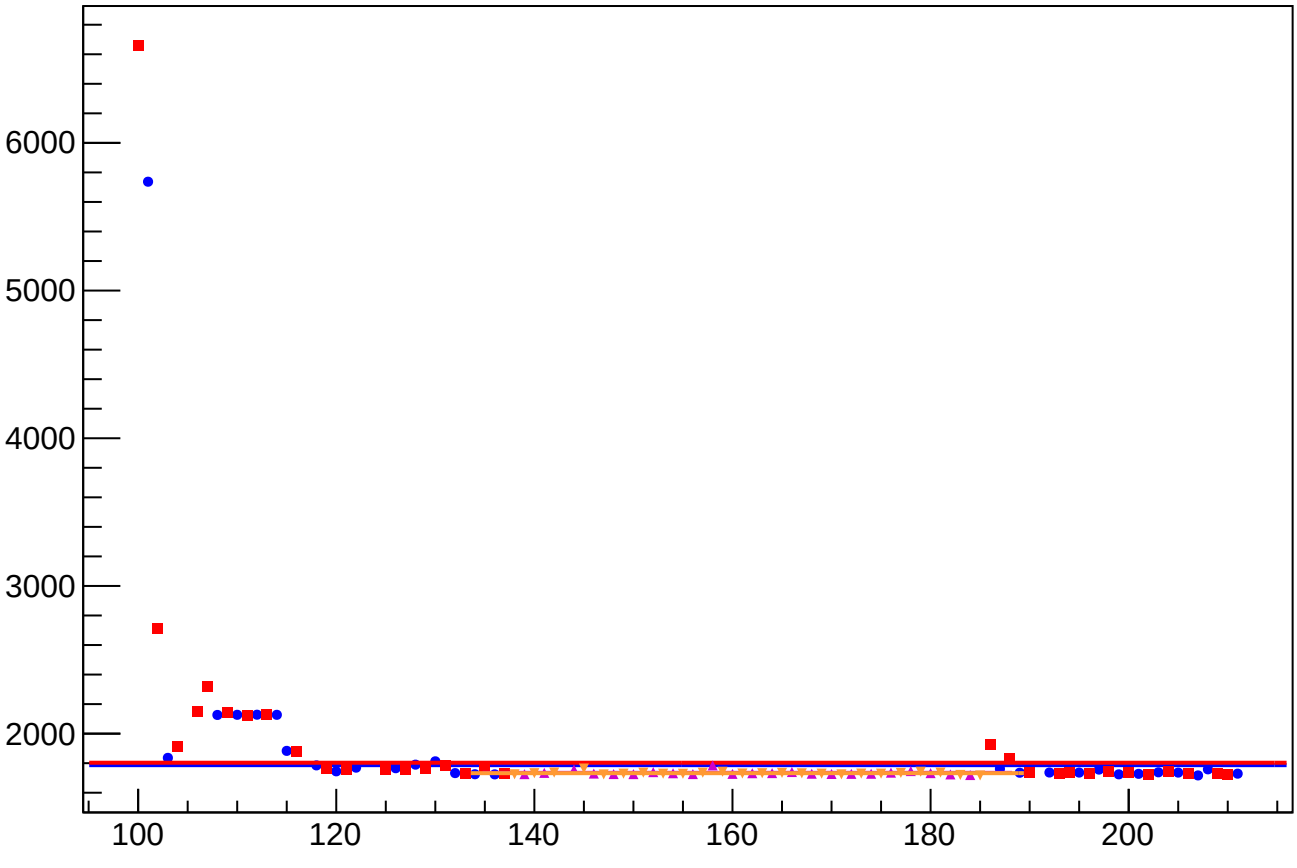
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 489.547+/-309.336 χ^2/NDF: 43.9/58

In: 138.918+/-298.846 χ^2/NDF:51.0/50

Out: 646.506+/-294.422 χ^2/NDF:41.6/54

All: 396.497+/-209.734 χ^2/NDF: 94.0/105



Right In: 1786.591+/-0.313 χ^2/NDF: 716305.7/27

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1803.088+/-0.306 χ^2/NDF: 337938.0/30

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

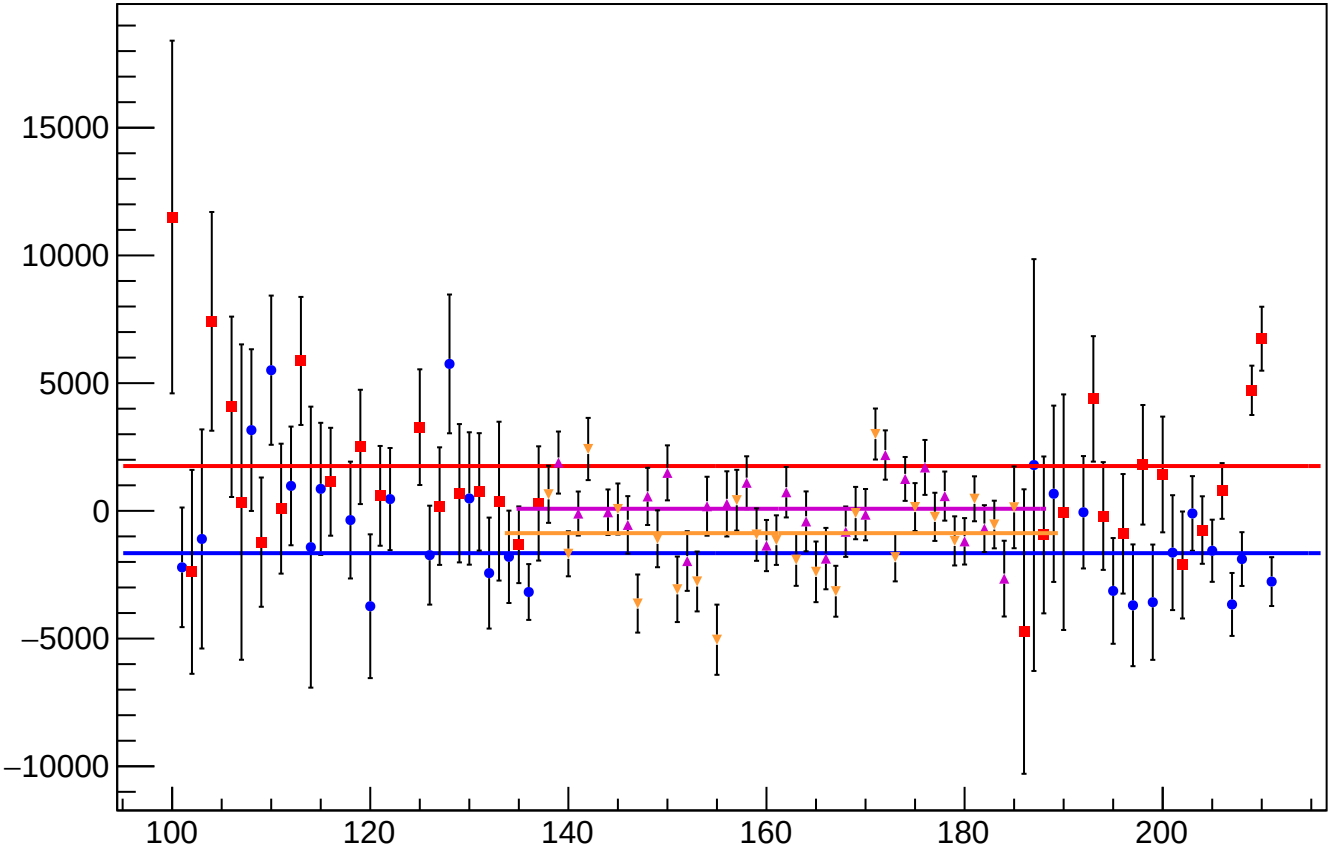
Right: 1795.037+/-0.219 χ^2/NDF: 1055665.0/58

In: 1758.264+/-0.211 χ^2/NDF:733553.0/50

Out: 1765.178+/-0.208 χ^2/NDF:367528.3/54

All: 1761.773+/-0.148 χ^2/NDF: 1101624.5/10

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1655.934+/-349.147 χ^2/NDF: 31.1/27

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 1754.686+/-369.024 χ^2/NDF: 55.2/30

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

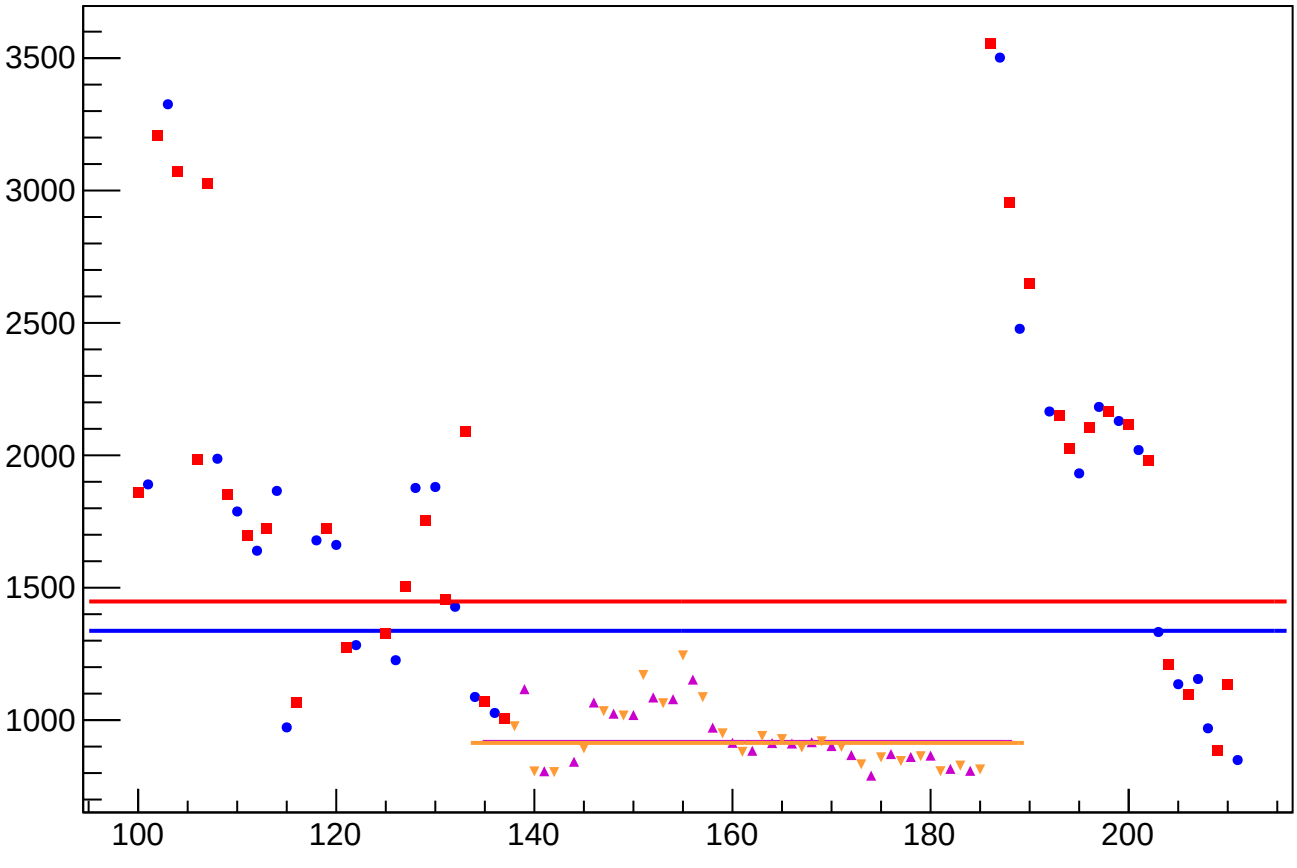
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -44.947+/-253.620 χ^2/NDF: 131.4/58

In: -399.115+/-183.637 χ^2/NDF:79.0/50

Out: -211.547+/-185.129 χ^2/NDF:155.1/54

All: -306.090+/-130.375 χ^2/NDF: 234.6/105



Right In: 1337.188+/-0.247 χ^2/NDF: 3572013.8/27

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1447.977+/-0.261 χ^2/NDF: 4335504.8/30

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

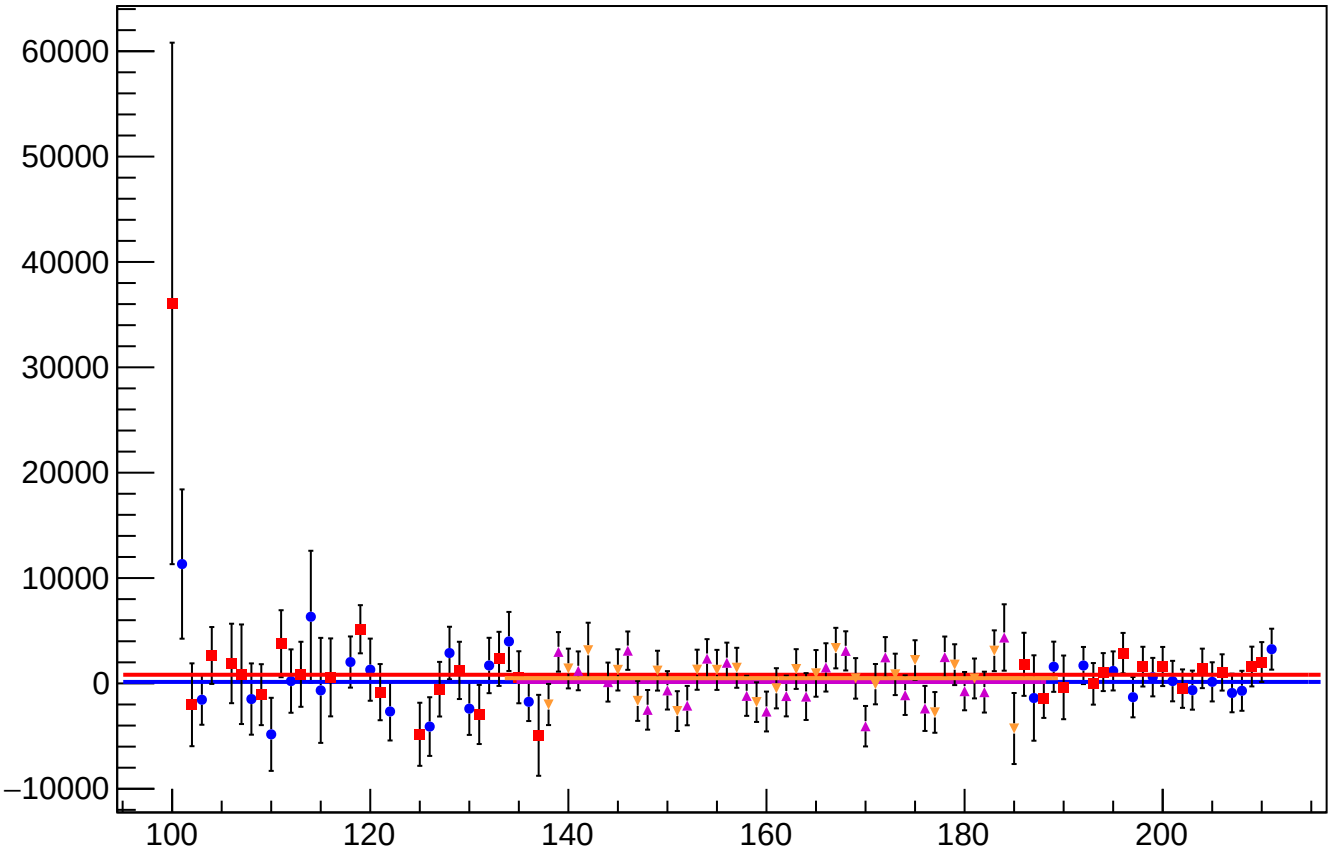
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1389.518+/-0.179 χ^2/NDF: 8002637.0/58

In: 1033.725+/-0.130 χ^2/NDF:6091162.4/50

Out: 1048.313+/-0.131 χ^2/NDF:7933238.5/54

All: 1040.960+/-0.092 χ^2/NDF: 14030660.4/1



Right In: 141.018+/-442.795 χ^2/NDF: 21.5/27

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 821.790+/-432.327 χ^2/NDF: 21.2/30

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

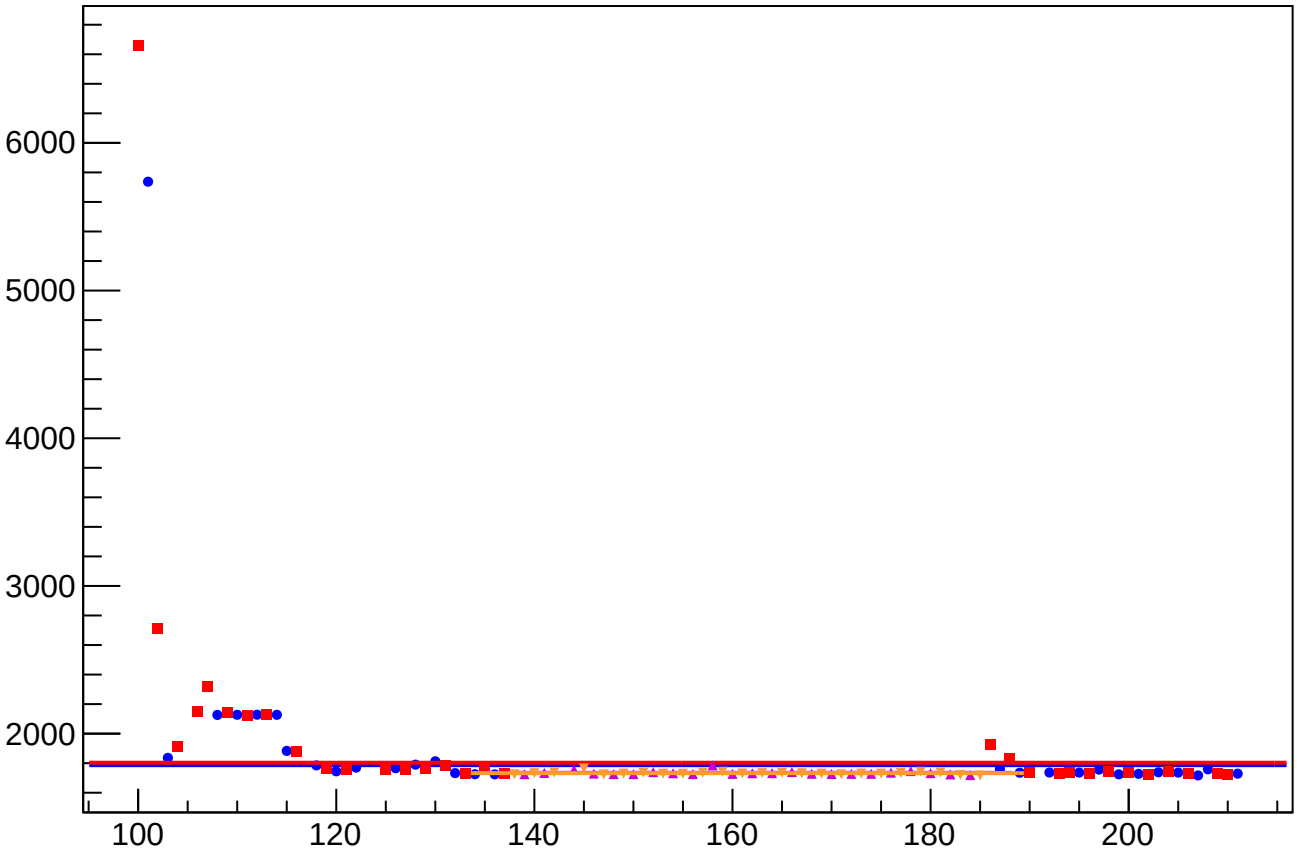
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 489.547+/-309.336 χ^2/NDF: 43.9/58

In: 138.919+/-298.846 χ^2/NDF:51.0/50

Out: 646.505+/-294.422 χ^2/NDF:41.6/54

All: 396.497+/-209.734 χ^2/NDF: 94.0/105



Right In: 1786.591+/-0.313 χ^2/NDF: 716305.7/27

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1803.088+/-0.306 χ^2/NDF: 337937.7/30

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

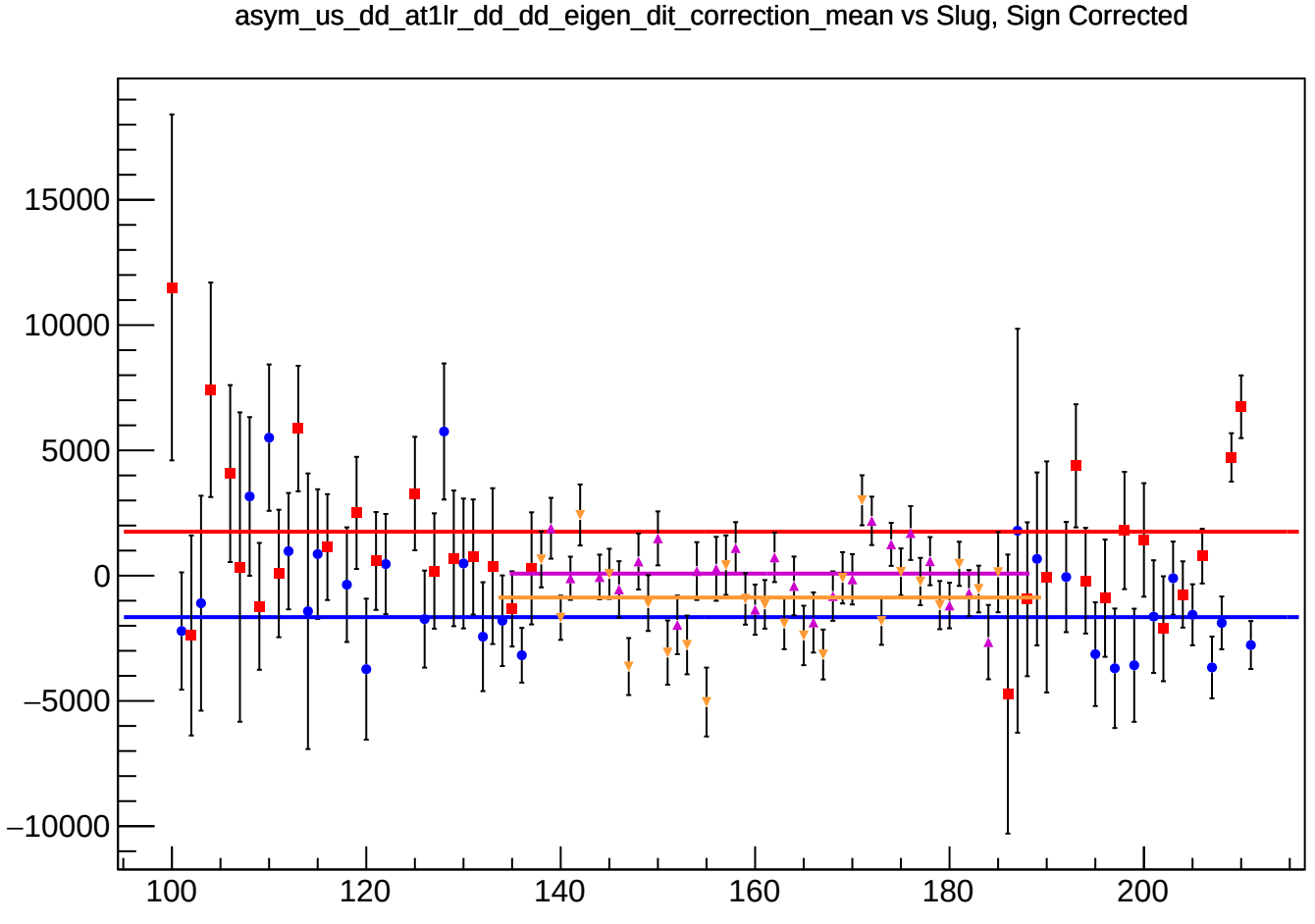
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1795.037+/-0.219 χ^2/NDF: 1055664.7/58

In: 1758.264+/-0.211 χ^2/NDF:733553.0/50

Out: 1765.178+/-0.208 χ^2/NDF:367528.0/54

All: 1761.773+/-0.148 χ^2/NDF: 1101624.2/10



Right In: -1655.929+/-349.147 χ^2/NDF: 31.1/27

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 1754.688+/-369.023 χ^2/NDF: 55.2/30

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

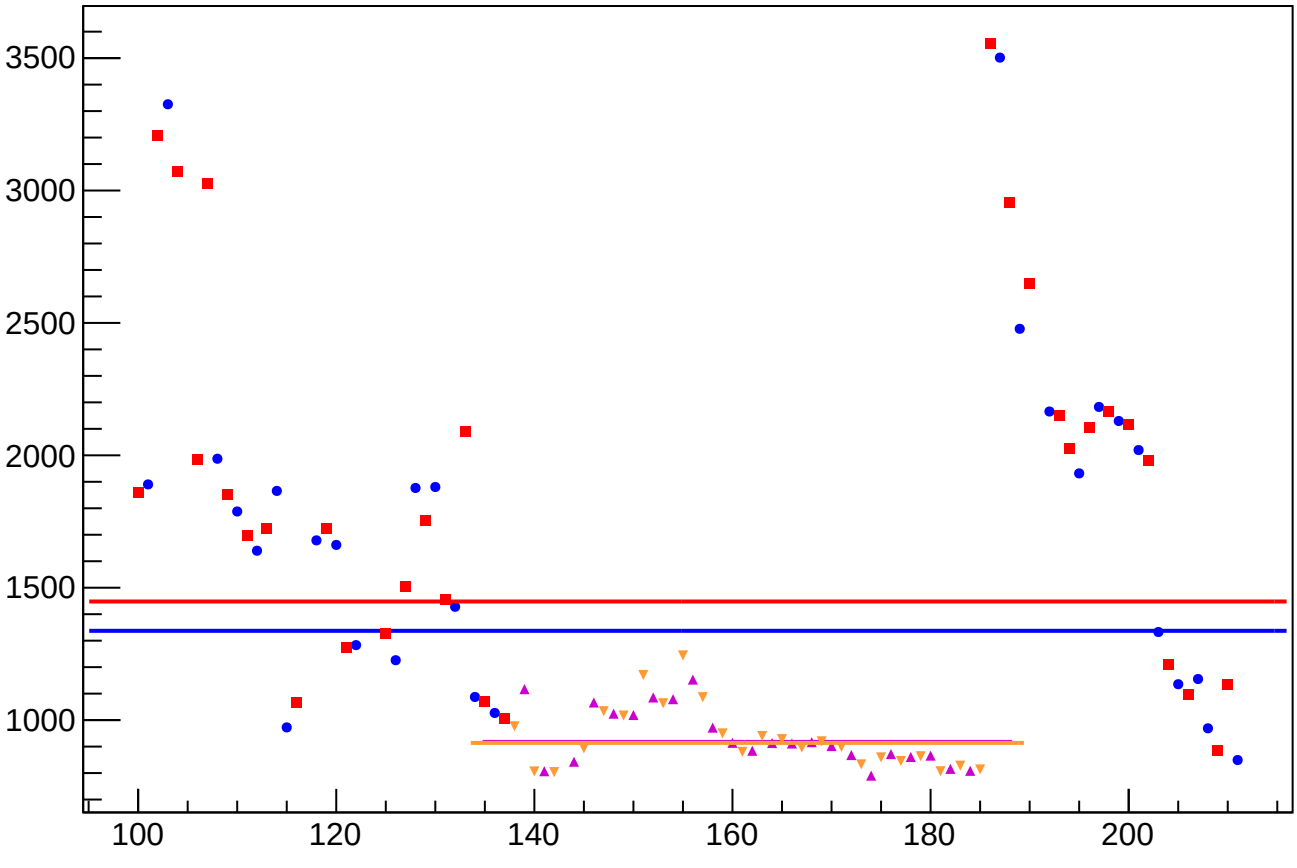
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -44.942+/-253.620 χ^2/NDF: 131.4/58

In: -399.116+/-183.636 χ^2/NDF:79.0/50

Out: -211.544+/-185.129 χ^2/NDF:155.1/54

All: -306.089+/-130.375 χ^2/NDF: 234.6/105



Right In: 1337.187+/-0.247 χ^2/NDF: 3572007.9/27

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1447.974+/-0.261 χ^2/NDF: 4335522.1/30

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

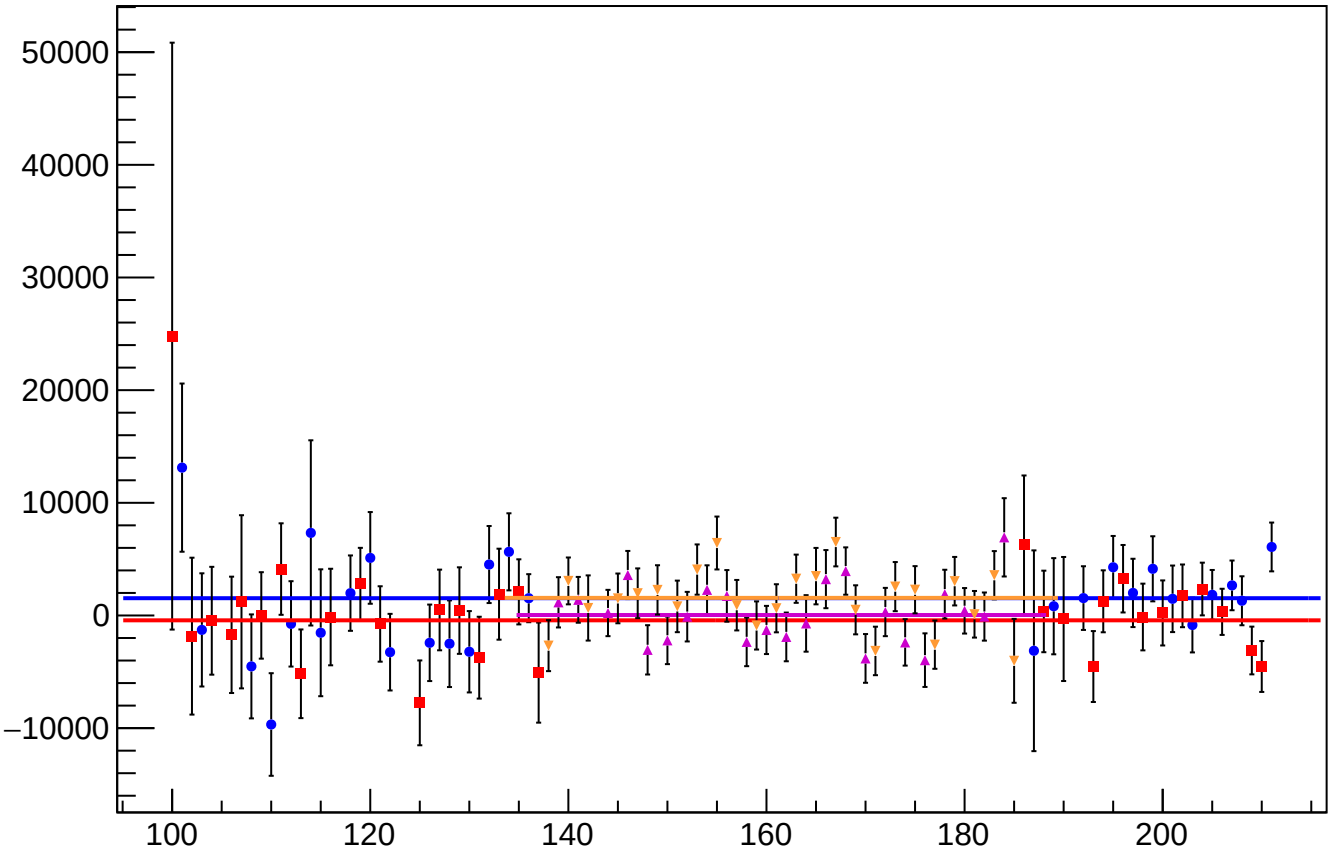
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1389.517+/-0.179 χ^2/NDF: 8002645.3/58

In: 1033.724+/-0.130 χ^2/NDF:6091165.7/50

Out: 1048.312+/-0.131 χ^2/NDF:7933243.8/54

All: 1040.959+/-0.092 χ^2/NDF: 14030669.0/1



Right In: 1533.509+/-597.888 χ^2/NDF: 28.6/27

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -430.738+/-601.693 χ^2/NDF: 23.7/30

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

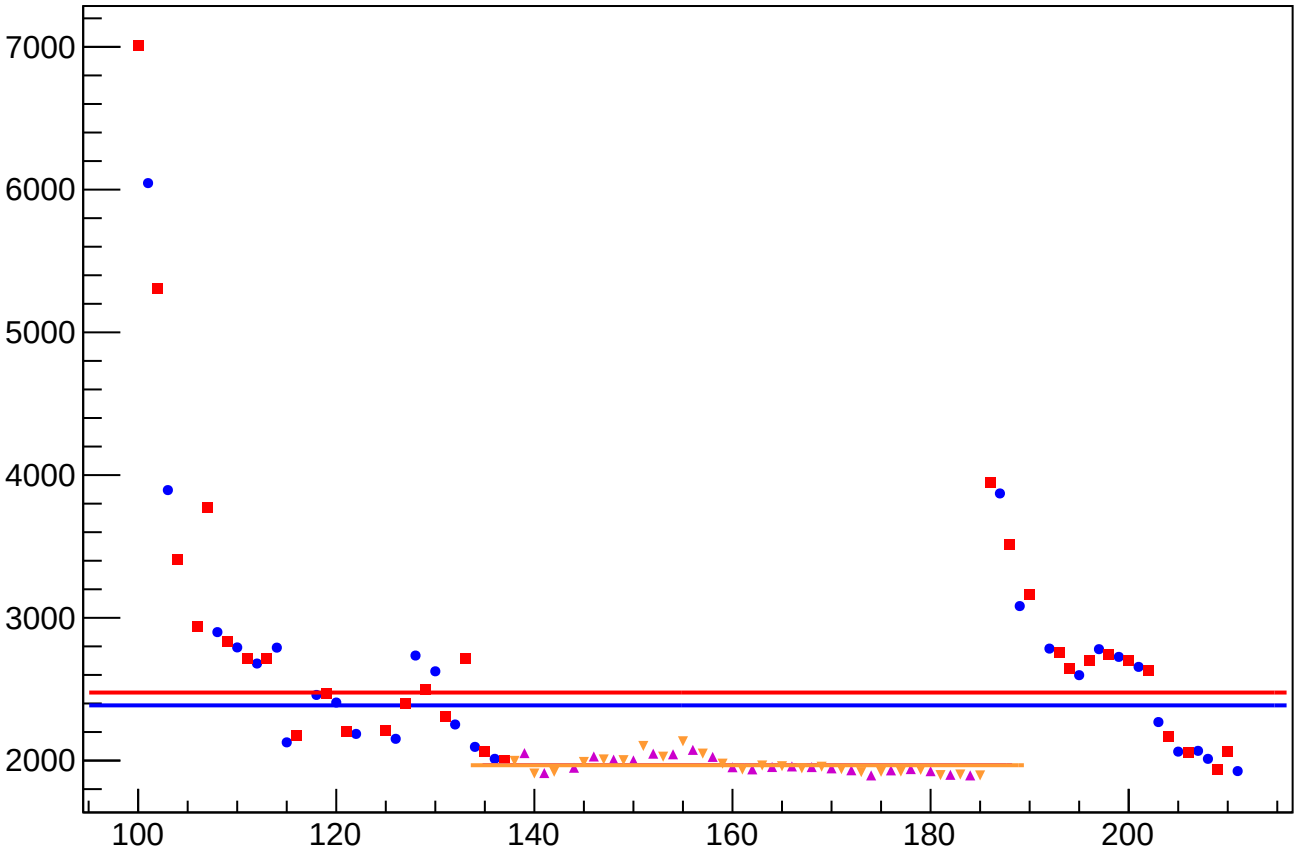
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: 557.616+/-424.110 χ^2/NDF: 57.7/58

In: 595.171+/-364.551 χ^2/NDF:60.4/50

Out: 832.817+/-363.870 χ^2/NDF:61.9/54

All: 714.216+/-257.535 χ^2/NDF: 122.5/105



Right In: 2386.688+/-0.423 χ^2/NDF: 1321699.6/27

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2476.592+/-0.425 χ^2/NDF: 1372931.3/30

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

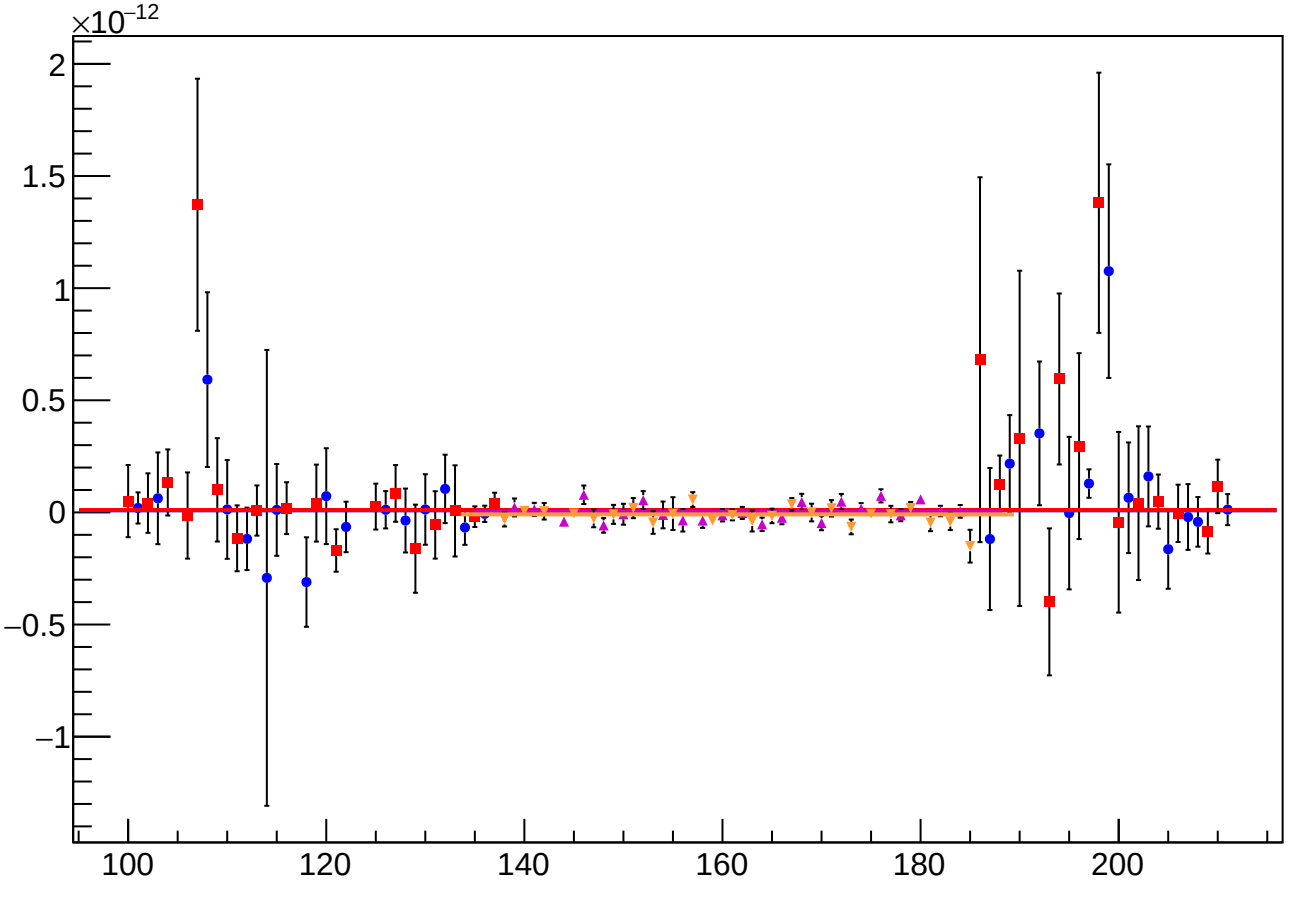
Right: 2431.355+/-0.300 χ^2/NDF: 2717098.6/58

In: 2124.298+/-0.258 χ^2/NDF:1961371.1/50

Out: 2153.630+/-0.257 χ^2/NDF:2315601.4/54

All: 2138.991+/-0.182 χ^2/NDF: 4283458.4/10

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/30

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

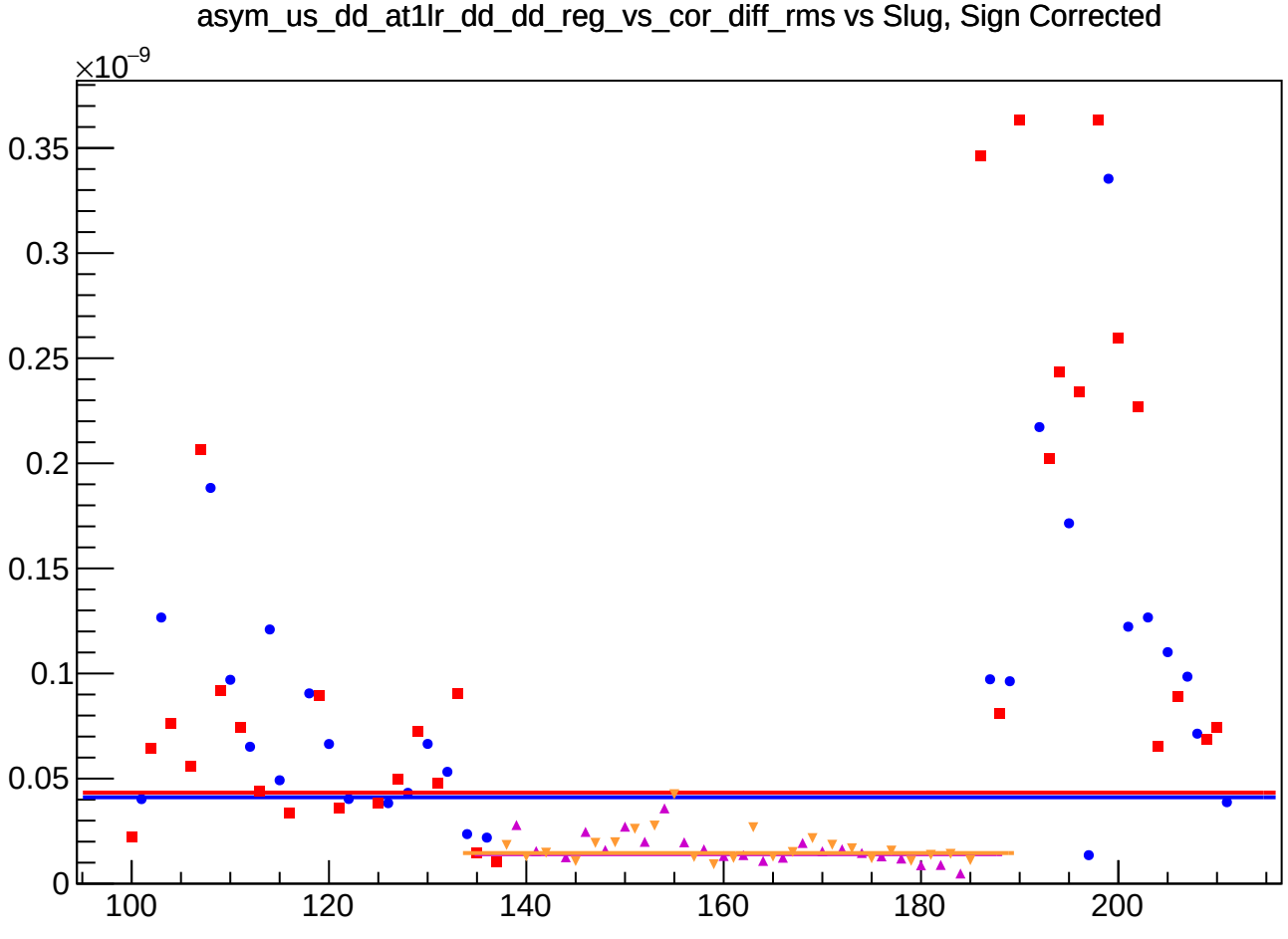
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 47.3/58

In: 0.000+/-0.000 χ^2/NDF:59.6/50

Out: -0.000+/-0.000 χ^2/NDF:48.2/54

All: -0.000+/-0.000 χ^2/NDF: 109.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 5224842.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7152709.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

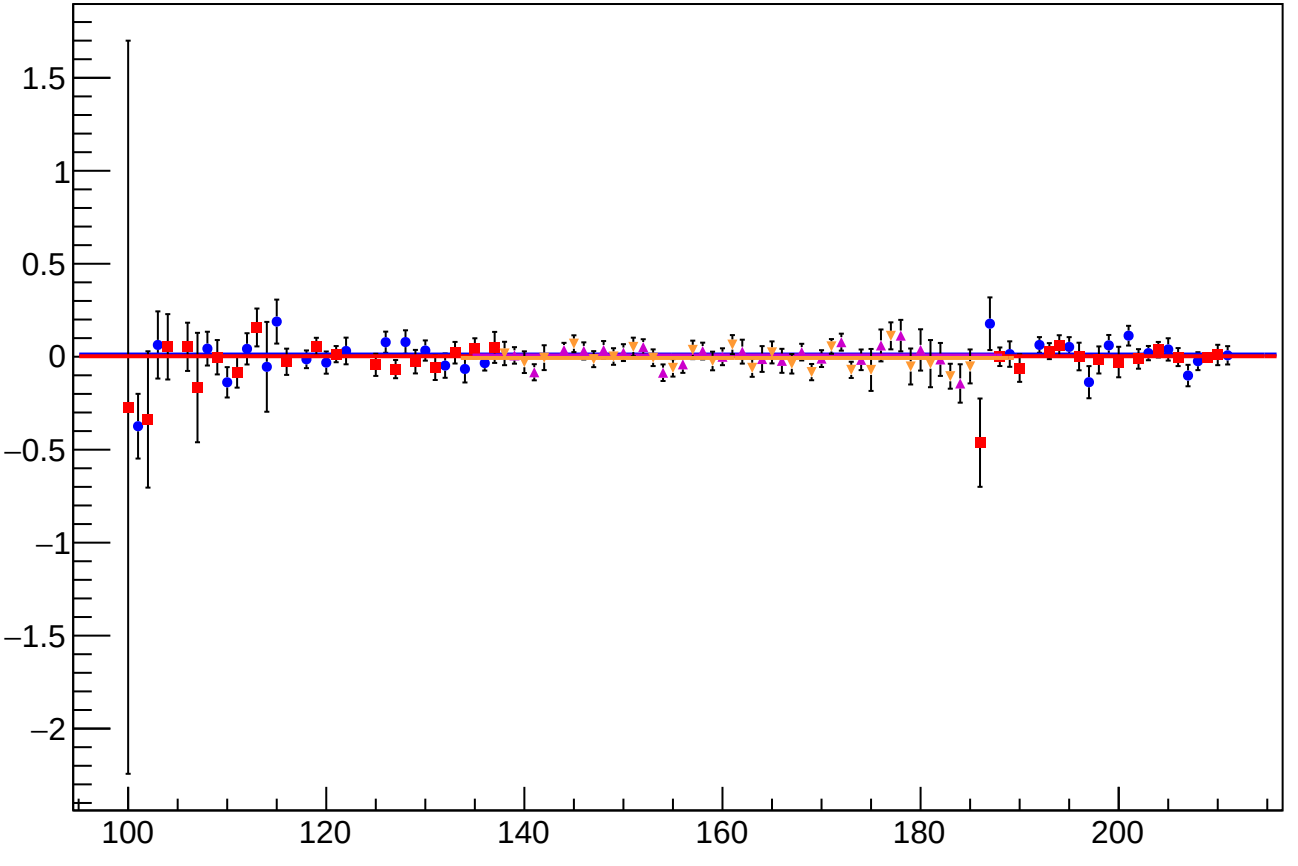
Right: 0.000+/-0.000 χ^2/NDF: 12388610.5/58

In: 0.000+/-0.000 χ^2/NDF:9832301.7/50

Out: 0.000+/-0.000 χ^2/NDF:11508947.6/54

All: 0.000+/-0.000 χ^2/NDF: 21348405.5/105

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

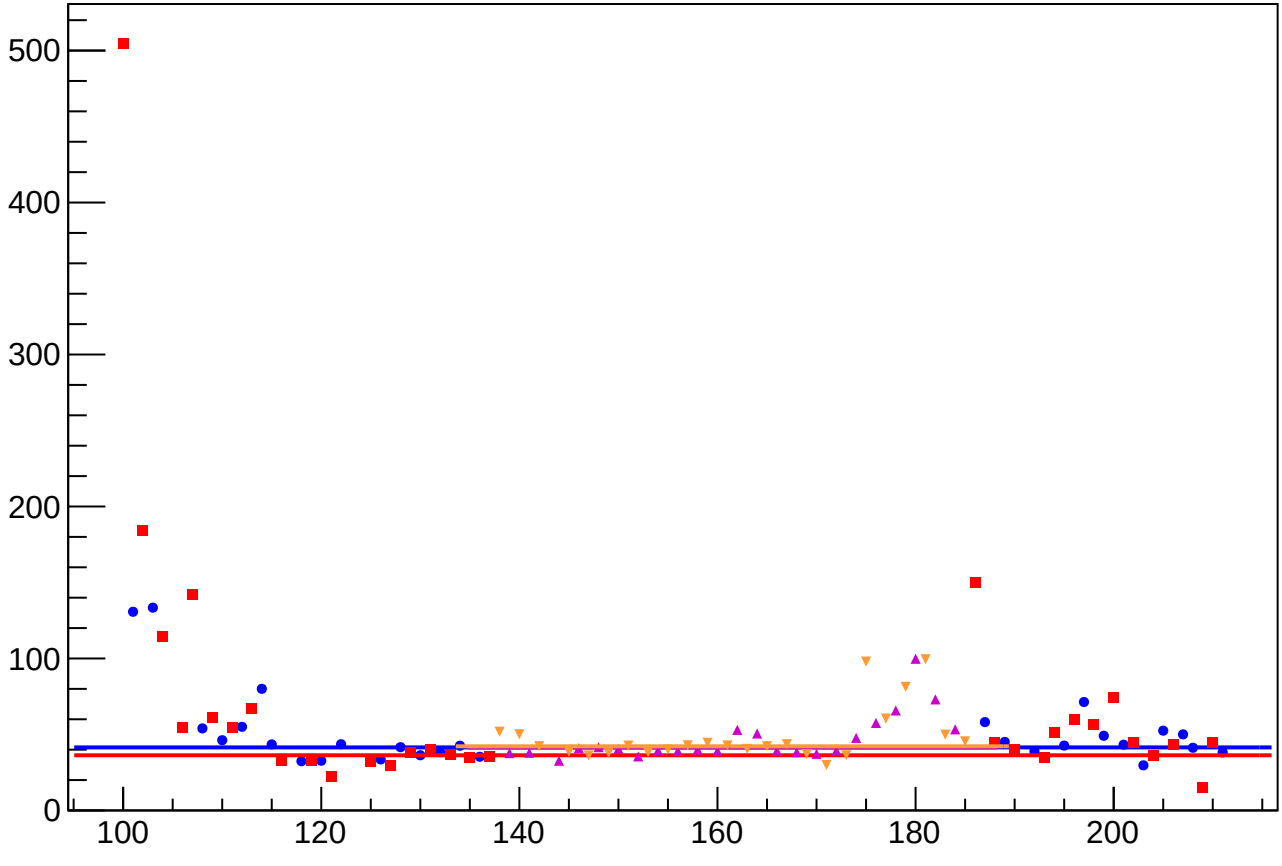
Right: 0.007+/-0.008 χ^2/NDF: 51.5/58

In: 0.009+/-0.008 χ^2/NDF:53.4/50

Out: -0.002+/-0.008 χ^2/NDF:42.2/54

All: 0.003+/-0.005 χ^2/NDF: 96.6/105

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.485+/-0.008 χ^2/NDF: 2047918.4/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.305+/-0.008 χ^2/NDF: 4874029.6/30

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

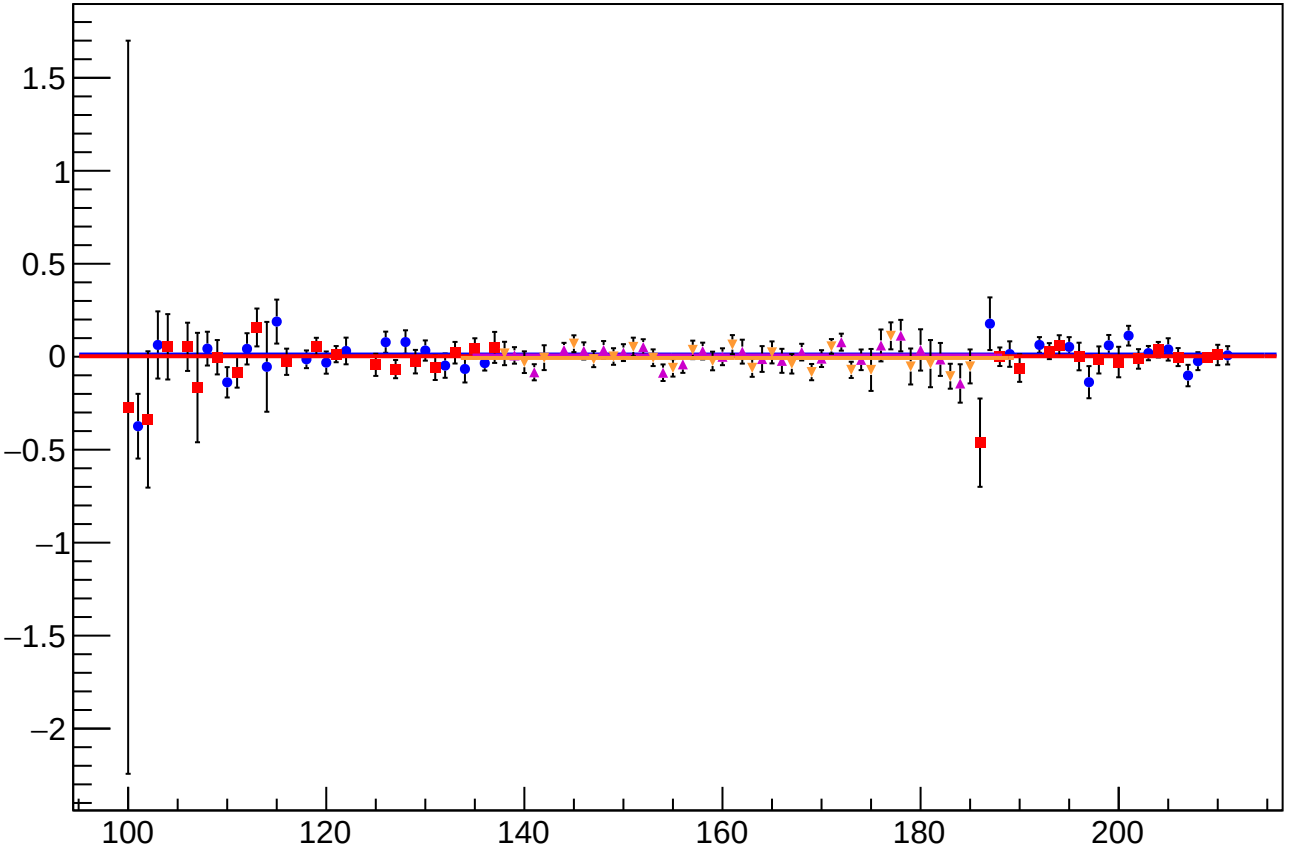
Right: 38.682+/-0.006 χ^2/NDF: 7140239.7/58

In: 41.451+/-0.006 χ^2/NDF:3460128.5/50

Out: 39.175+/-0.005 χ^2/NDF:6993702.7/54

All: 40.276+/-0.004 χ^2/NDF: 10540298.7/105

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: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

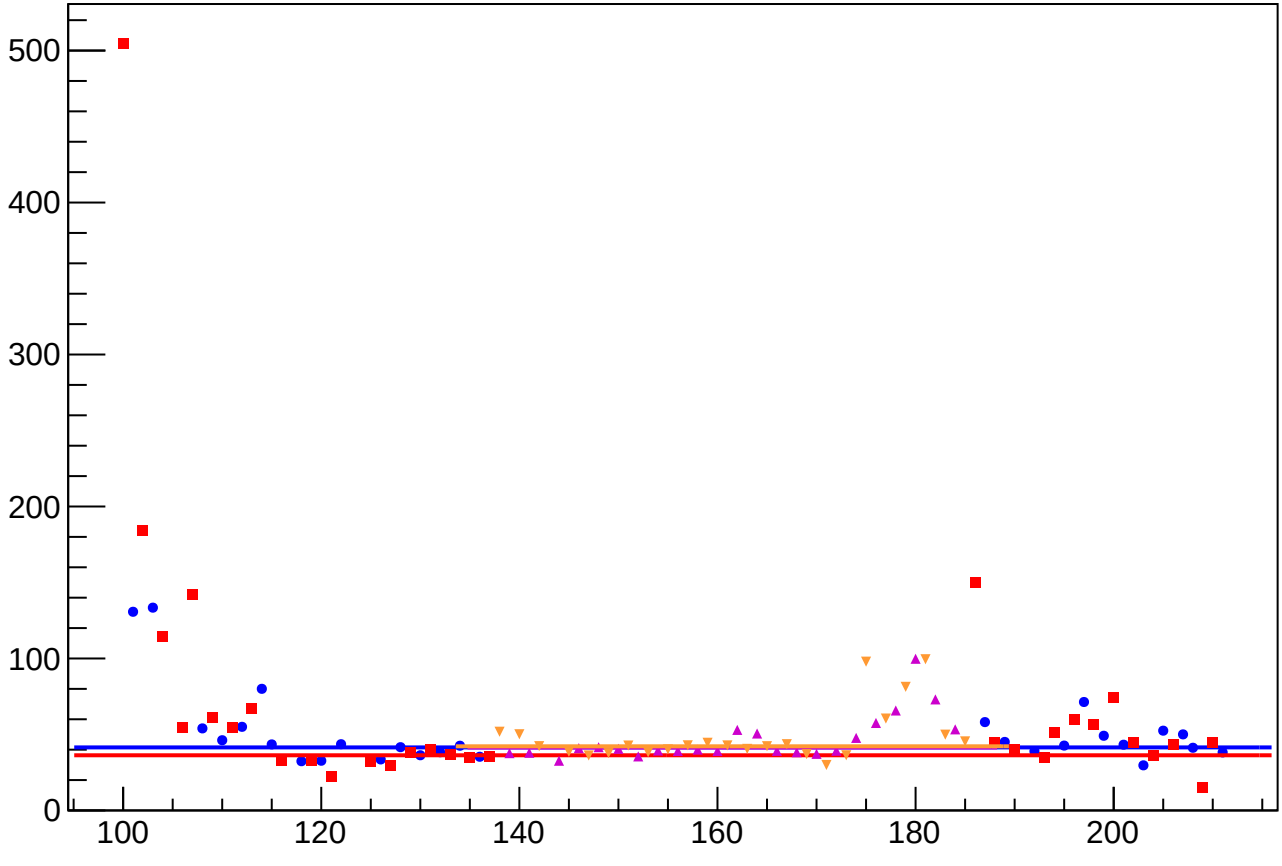
Right: 0.007+/-0.008 χ^2/NDF: 51.5/58

In: 0.009+/-0.008 χ^2/NDF:53.4/50

Out: -0.002+/-0.008 χ^2/NDF:42.2/54

All: 0.003+/-0.005 χ^2/NDF: 96.6/105

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.485+/-0.008 χ^2/NDF: 2047918.4/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.305+/-0.008 χ^2/NDF: 4874029.6/30

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

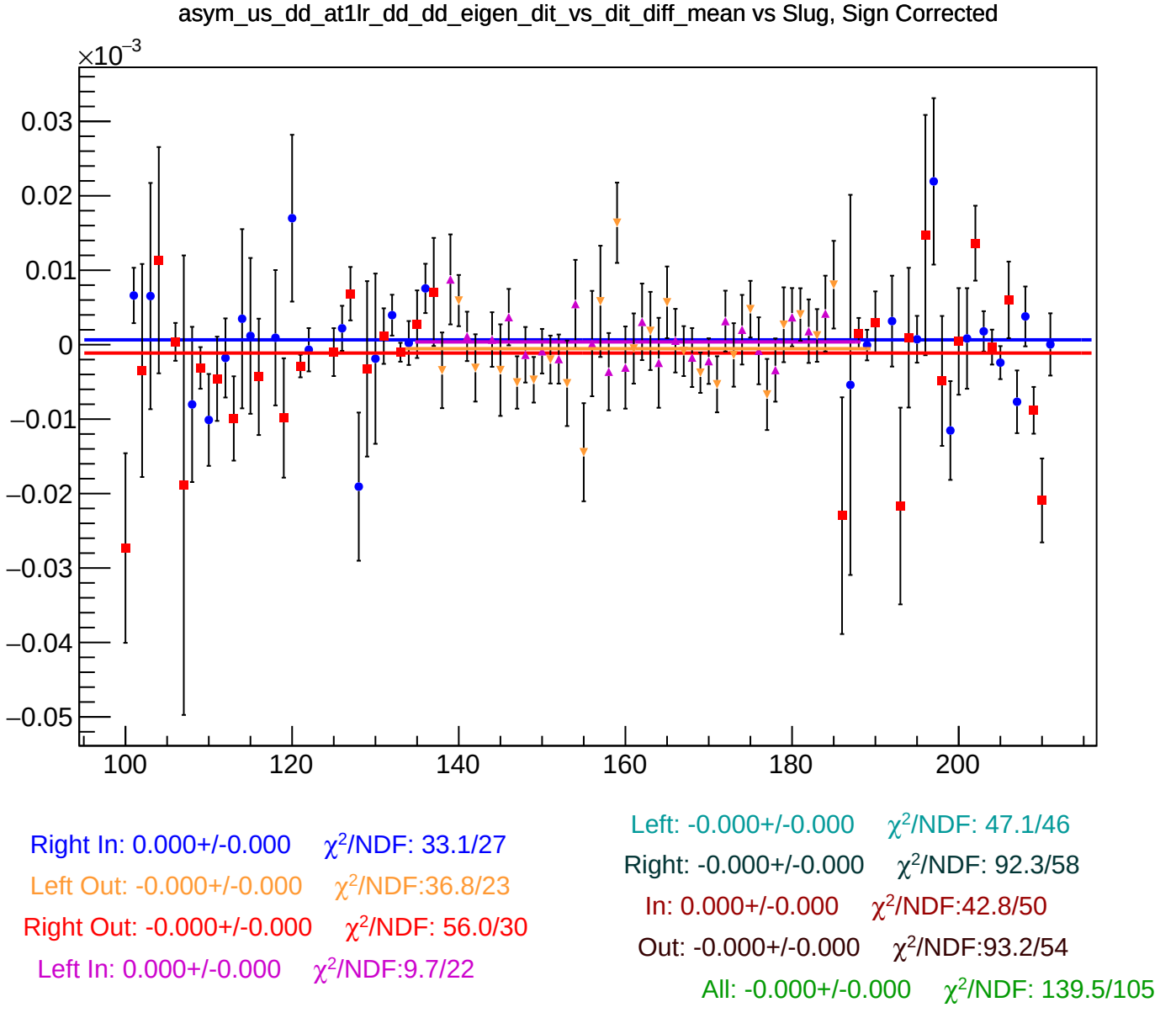
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.682+/-0.006 χ^2/NDF: 7140239.7/58

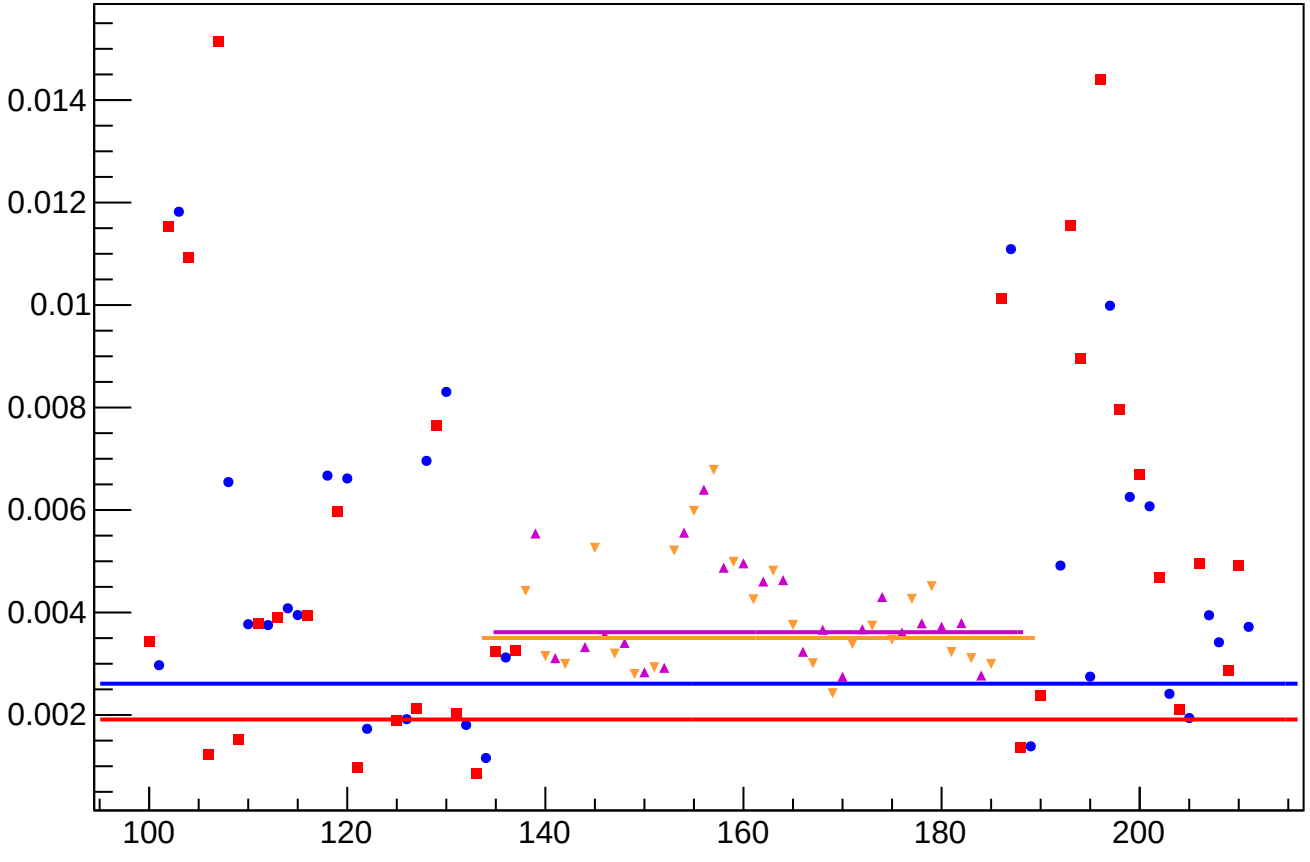
In: 41.451+/-0.006 χ^2/NDF:3460128.5/50

Out: 39.175+/-0.005 χ^2/NDF:6993702.7/54

All: 40.276+/-0.004 χ^2/NDF: 10540298.7/105


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: 33.1/27
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 56.0/30
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: 92.3/58
In: 0.000+/-0.000 χ²/NDF:42.8/50
Out: -0.000+/-0.000 χ²/NDF:93.2/54
All: -0.000+/-0.000 χ²/NDF: 139.5/105

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: 7618720.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 14213070.7/30

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

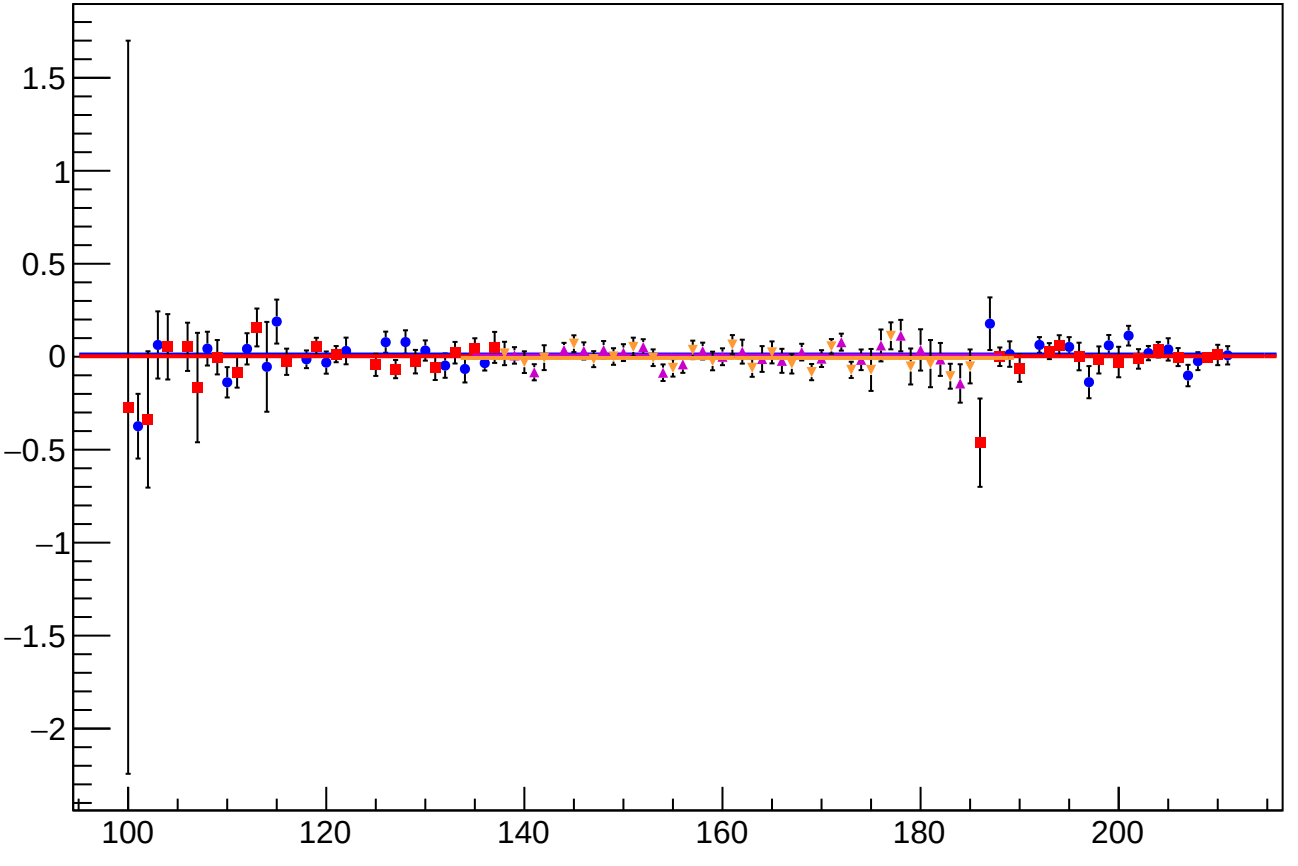
Right: 0.002+/-0.000 χ^2/NDF: 22821100.0/58

In: 0.003+/-0.000 χ^2/NDF:10784596.5/50

Out: 0.002+/-0.000 χ^2/NDF:20957372.7/54

All: 0.003+/-0.000 χ^2/NDF: 32830408.4/105

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

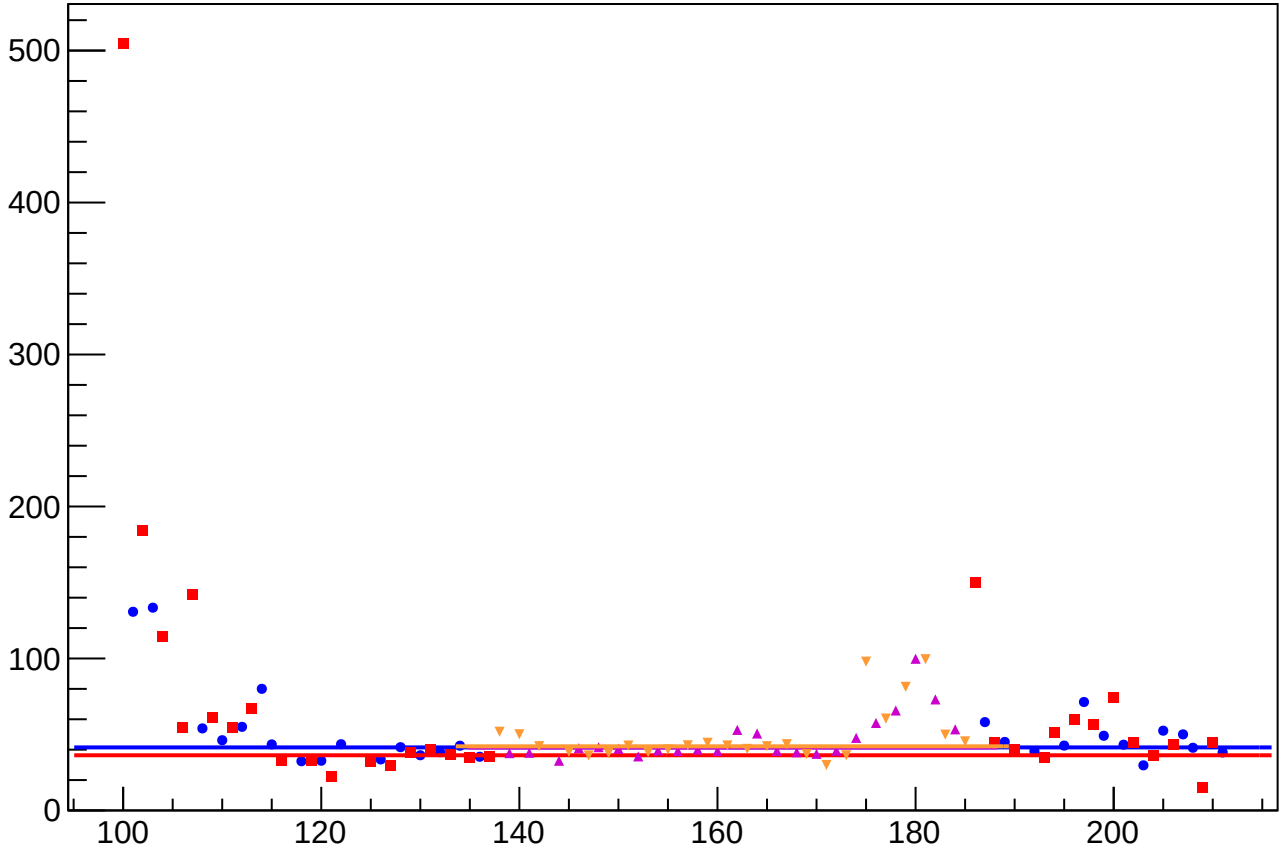
Right: 0.007+/-0.008 χ^2/NDF: 51.5/58

In: 0.009+/-0.008 χ^2/NDF:53.4/50

Out: -0.002+/-0.008 χ^2/NDF:42.2/54

All: 0.003+/-0.005 χ^2/NDF: 96.7/105

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.485+/-0.008 χ^2/NDF: 2047834.9/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.309+/-0.008 χ^2/NDF: 4871543.1/30

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

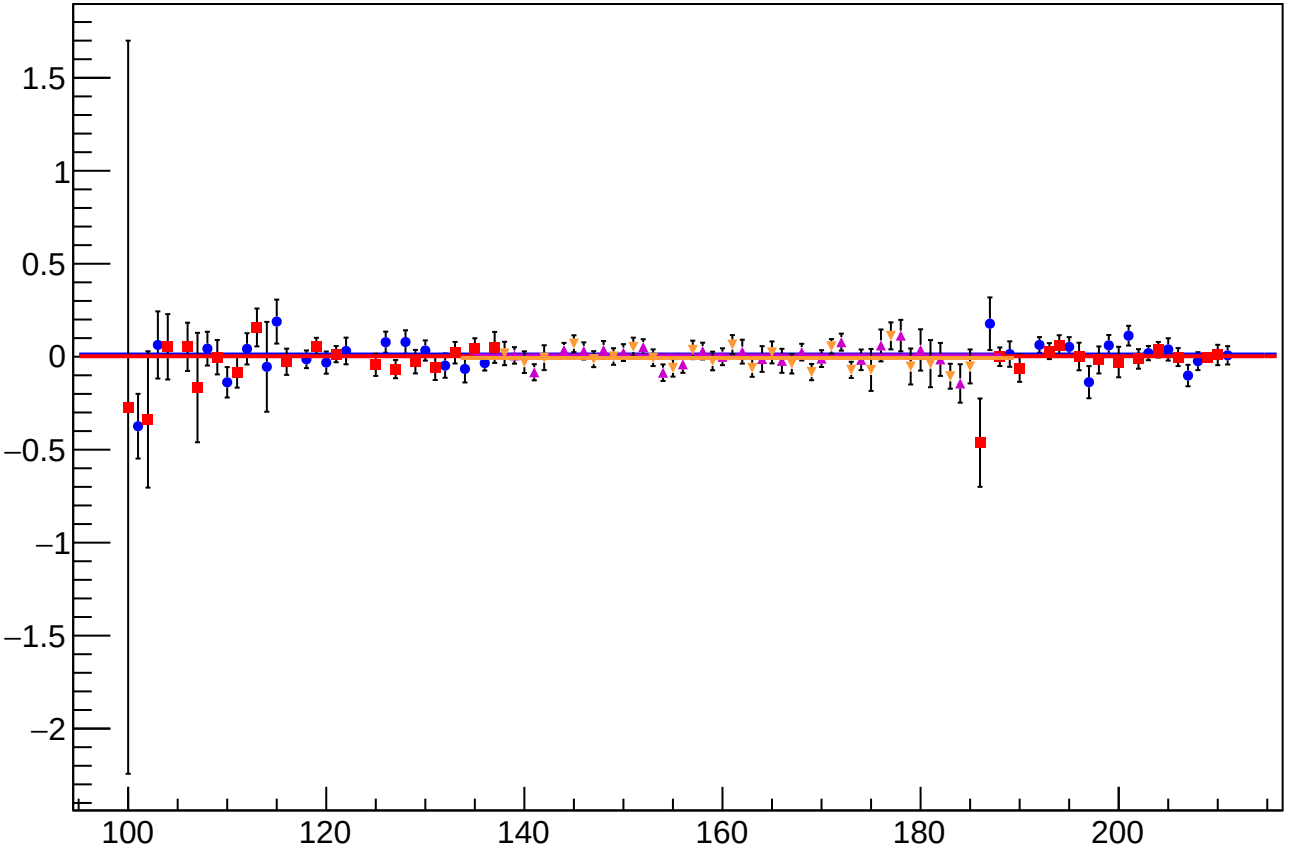
Right: 38.685+/-0.006 χ^2/NDF: 7137302.6/58

In: 41.450+/-0.006 χ^2/NDF:3459979.2/50

Out: 39.177+/-0.005 χ^2/NDF:6990726.7/54

All: 40.278+/-0.004 χ^2/NDF: 10536997.4/105

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: 33.3/27

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.011 χ^2/NDF: 17.9/30

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

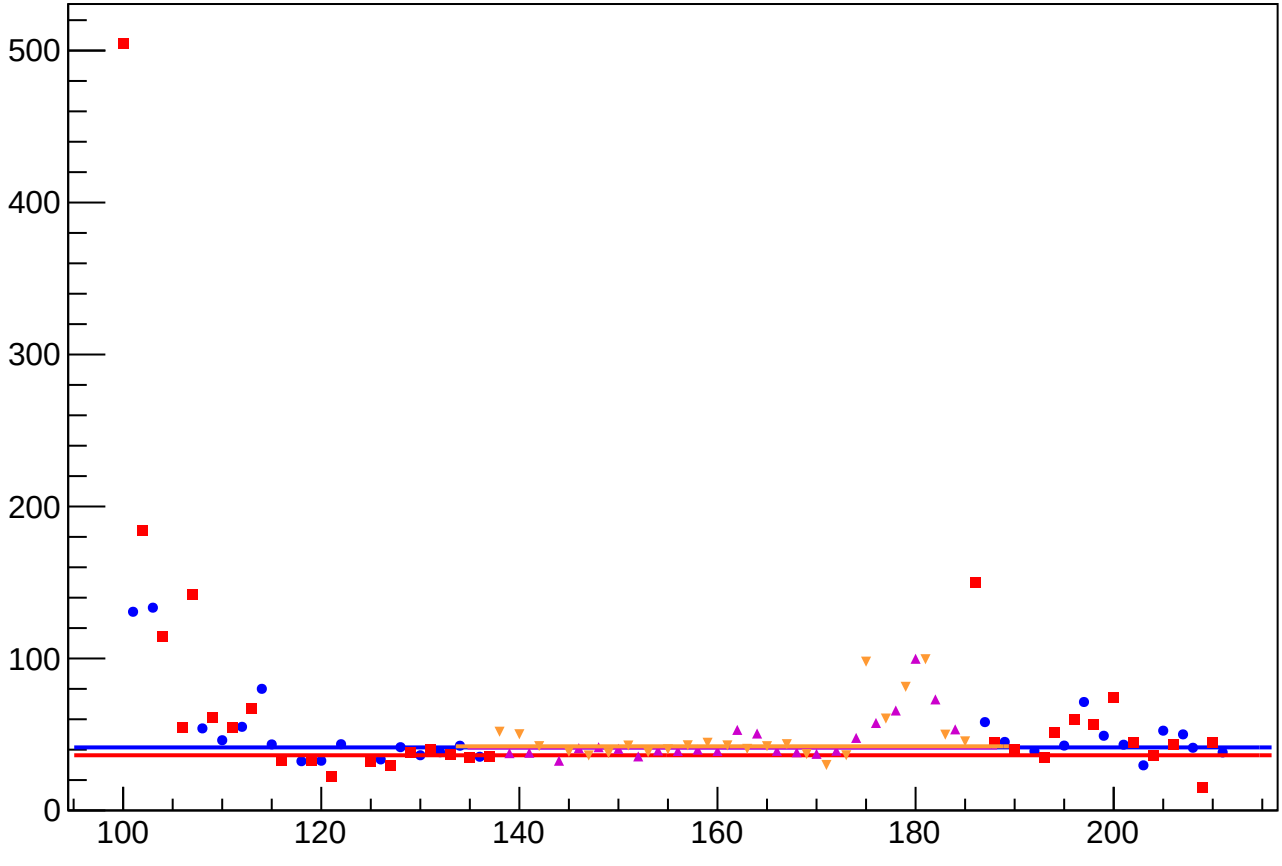
Right: 0.007+/-0.008 χ^2/NDF: 51.5/58

In: 0.009+/-0.008 χ^2/NDF:53.4/50

Out: -0.002+/-0.008 χ^2/NDF:42.2/54

All: 0.003+/-0.005 χ^2/NDF: 96.7/105

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.485+/-0.008 χ^2/NDF: 2047834.9/27

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.309+/-0.008 χ^2/NDF: 4871543.1/30

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

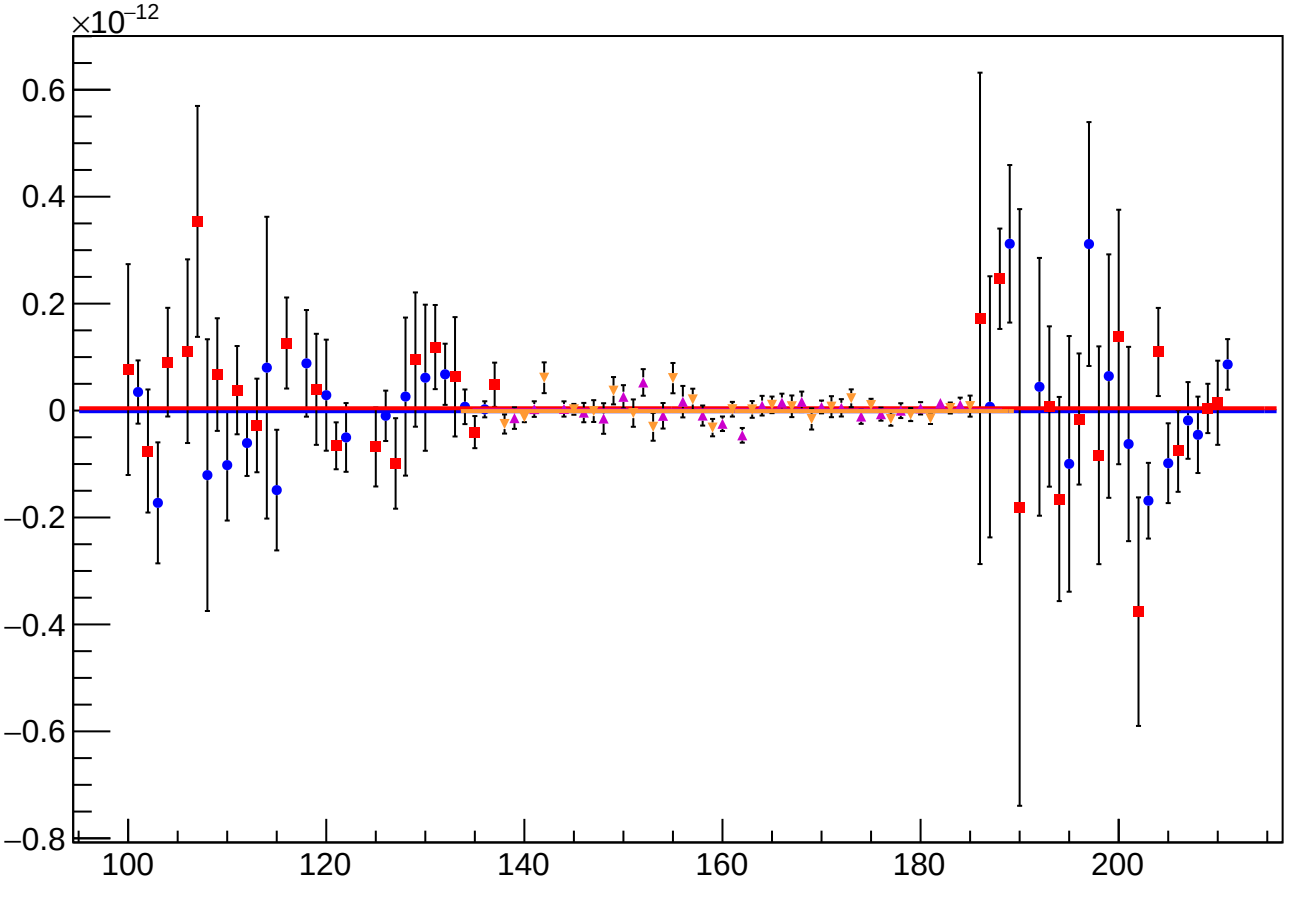
Right: 38.685+/-0.006 χ^2/NDF: 7137302.6/58

In: 41.450+/-0.006 χ^2/NDF:3459979.2/50

Out: 39.177+/-0.005 χ^2/NDF:6990726.7/54

All: 40.278+/-0.004 χ^2/NDF: 10536997.4/105

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/30

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

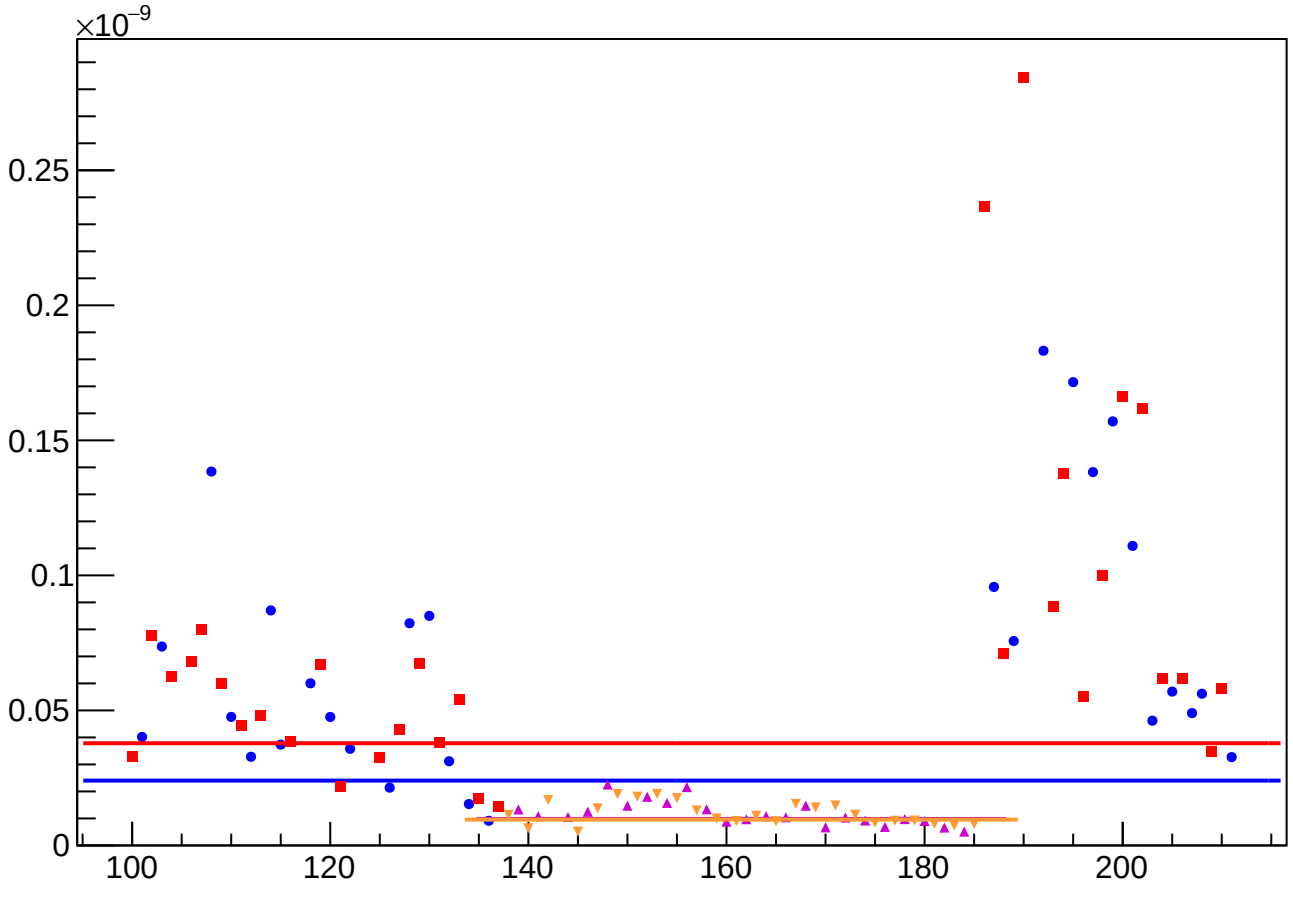
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 60.5/58

In: 0.000+/-0.000 χ^2/NDF:56.2/50

Out: -0.000+/-0.000 χ^2/NDF:62.2/54

All: -0.000+/-0.000 χ^2/NDF: 118.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 9483773.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6577377.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

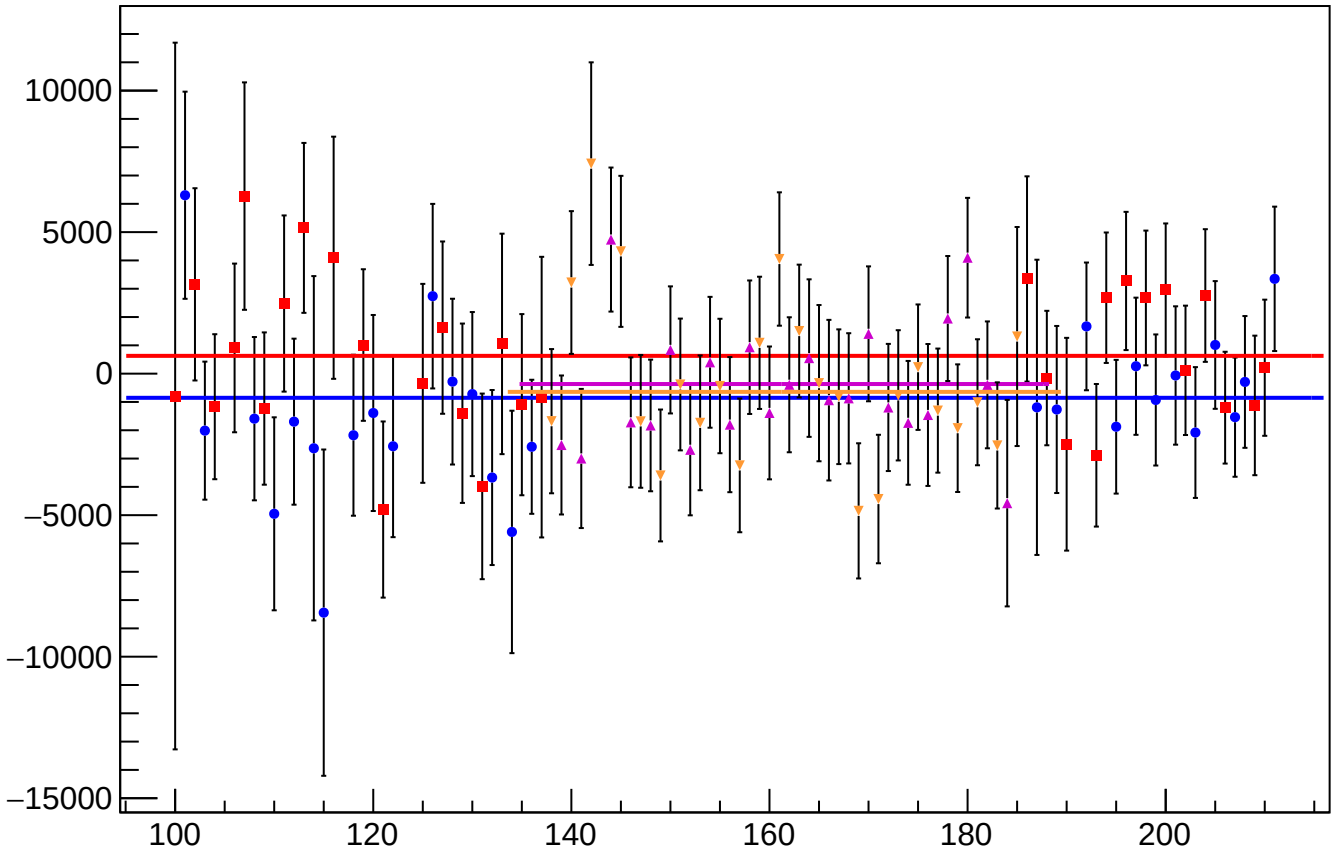
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 17280373.6/58

In: 0.000+/-0.000 χ^2/NDF:15013257.8/50

Out: 0.000+/-0.000 χ^2/NDF:16605976.9/54

All: 0.000+/-0.000 χ^2/NDF: 31621632.8/105



Right In: -853.434+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 628.671+/-511.733 χ^2/NDF: 22.1/30

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

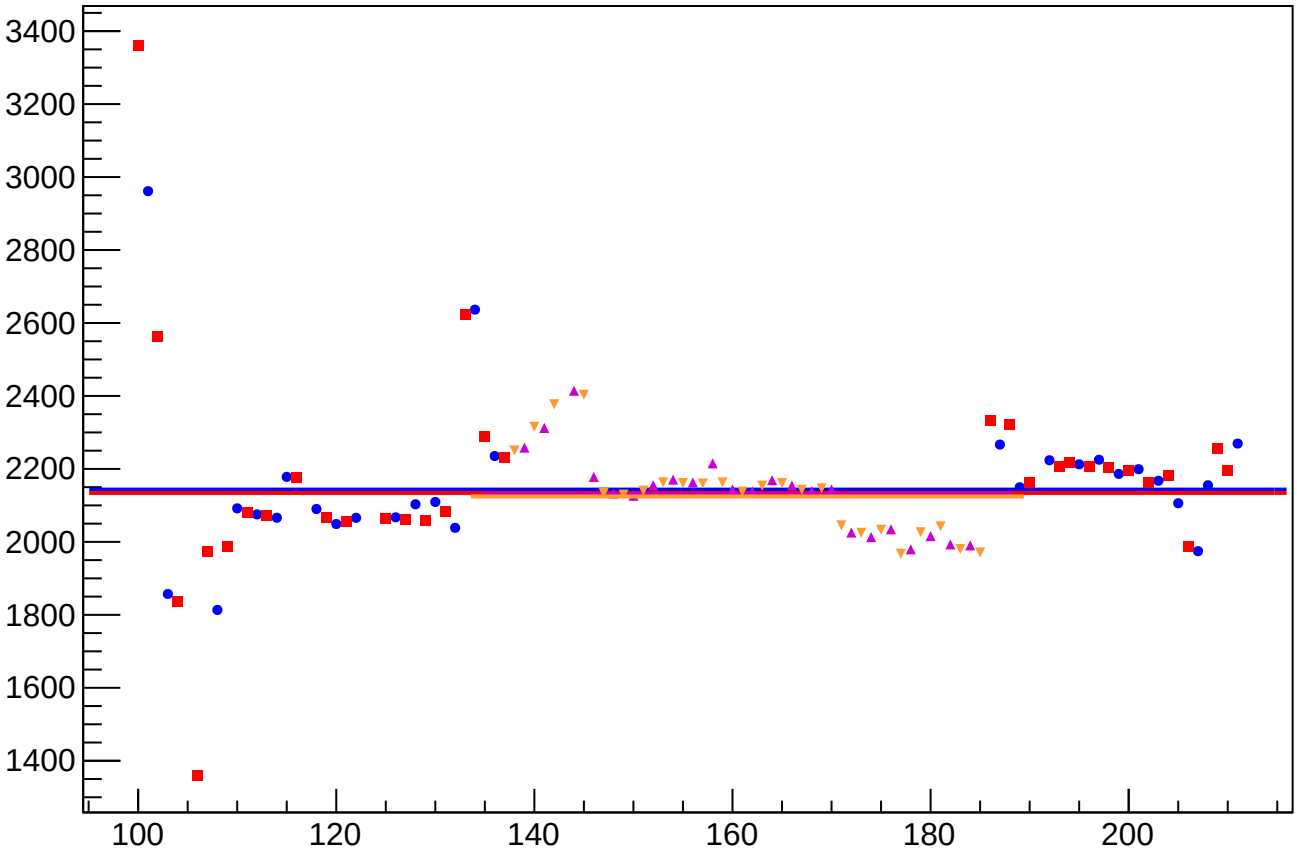
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -89.753+/-367.333 χ^2/NDF: 43.6/58

In: -596.009+/-362.113 χ^2/NDF:35.2/50

Out: -30.409+/-355.296 χ^2/NDF:52.4/54

All: -307.835+/-253.608 χ^2/NDF: 88.9/105



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.3/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2134.066+/-0.362 χ^2/NDF: 312993.7/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

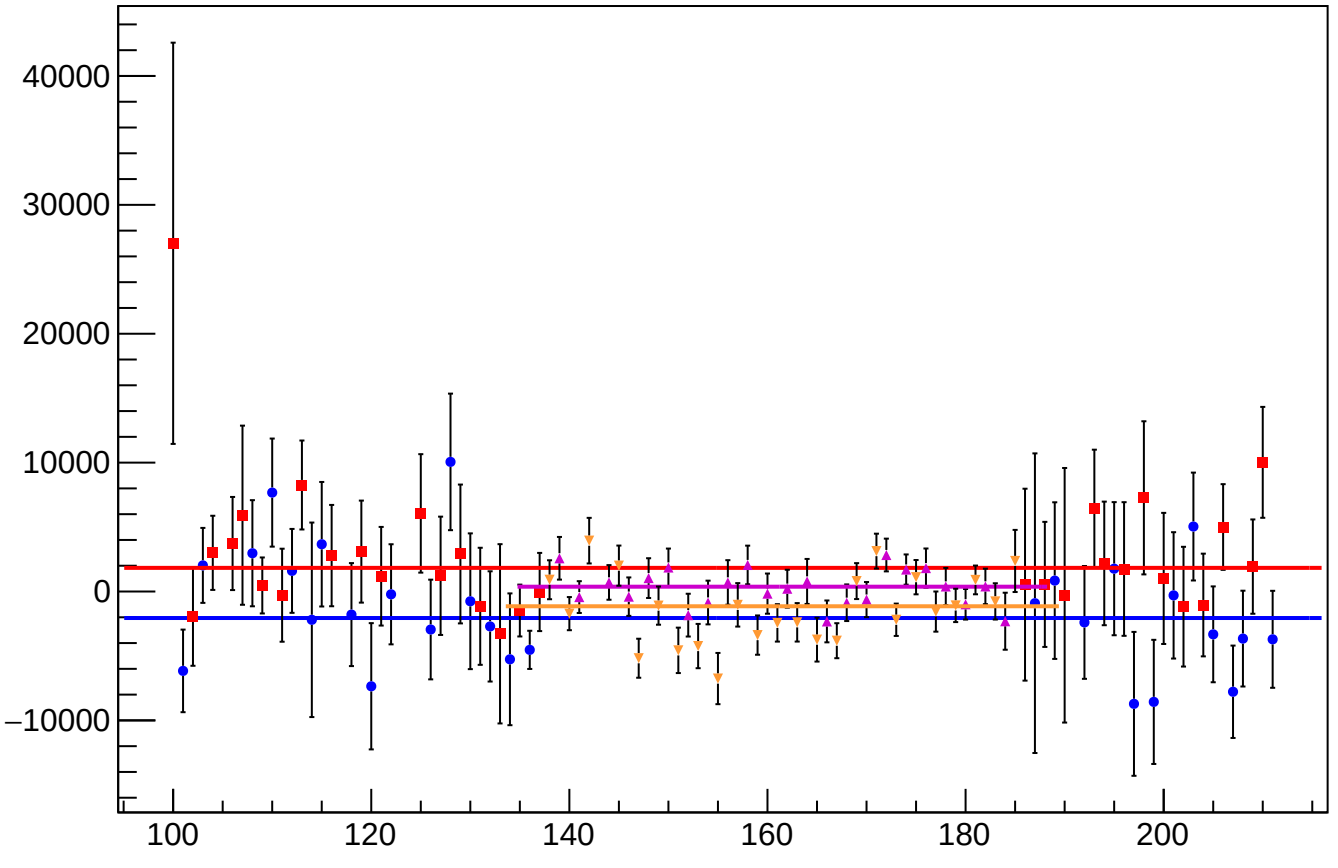
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2138.548+/-0.260 χ^2/NDF: 533793.5/58

In: 2136.216+/-0.256 χ^2/NDF:306521.7/50

Out: 2129.079+/-0.251 χ^2/NDF:402544.5/54

All: 2132.580+/-0.179 χ^2/NDF: 709462.1/105



Right In: -2056.452+/-718.729 χ^2/NDF: 33.2/27

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1834.291+/-705.245 χ^2/NDF: 21.3/30

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

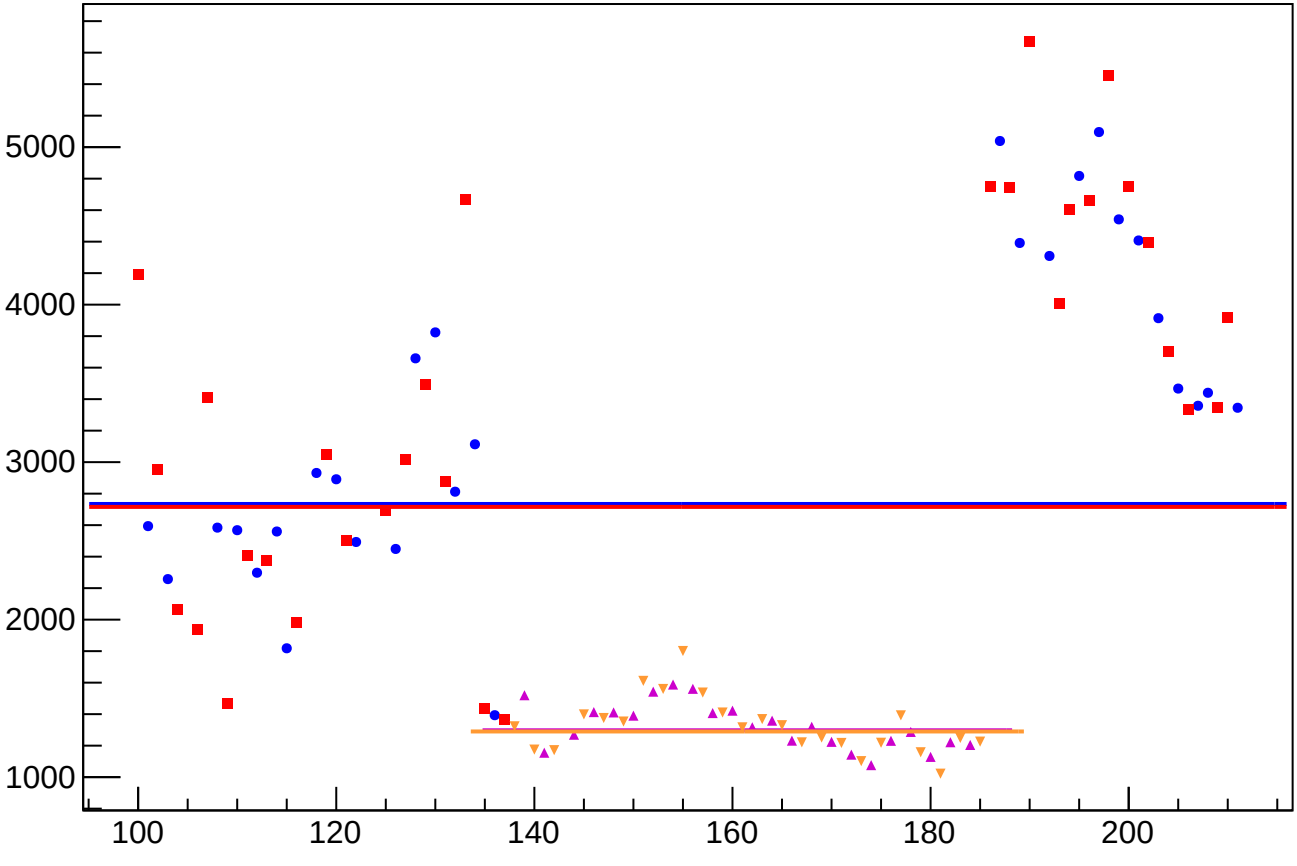
Right: -74.242+/-503.383 χ^2/NDF: 69.4/58

In: 1.740+/-281.060 χ^2/NDF:63.2/50

Out: -681.920+/-277.996 χ^2/NDF:103.9/54

All: -343.837+/-197.647 χ^2/NDF: 170.0/105

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2734.404+/-0.508 χ^2/NDF: 4102721.3/27

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2715.871+/-0.499 χ^2/NDF: 5280280.4/30

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

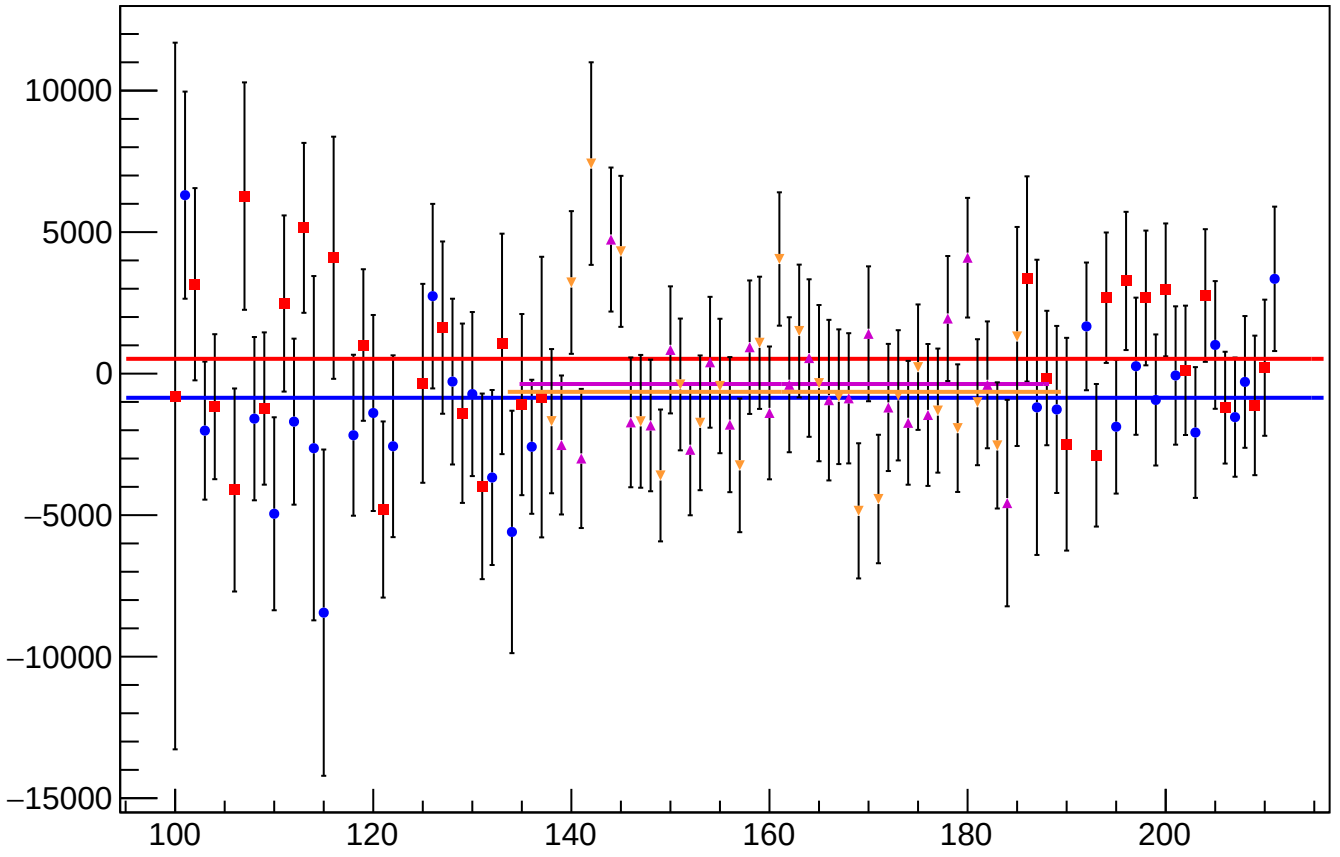
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2724.962+/-0.356 χ^2/NDF: 9383679.2/58

In: 1517.195+/-0.199 χ^2/NDF:11308555.4/50

Out: 1511.578+/-0.197 χ^2/NDF:12753073.7/54

All: 1514.356+/-0.140 χ^2/NDF: 24062032.9/1



Right In: -853.488+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 523.140+/-514.087 χ^2/NDF: 23.8/30

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

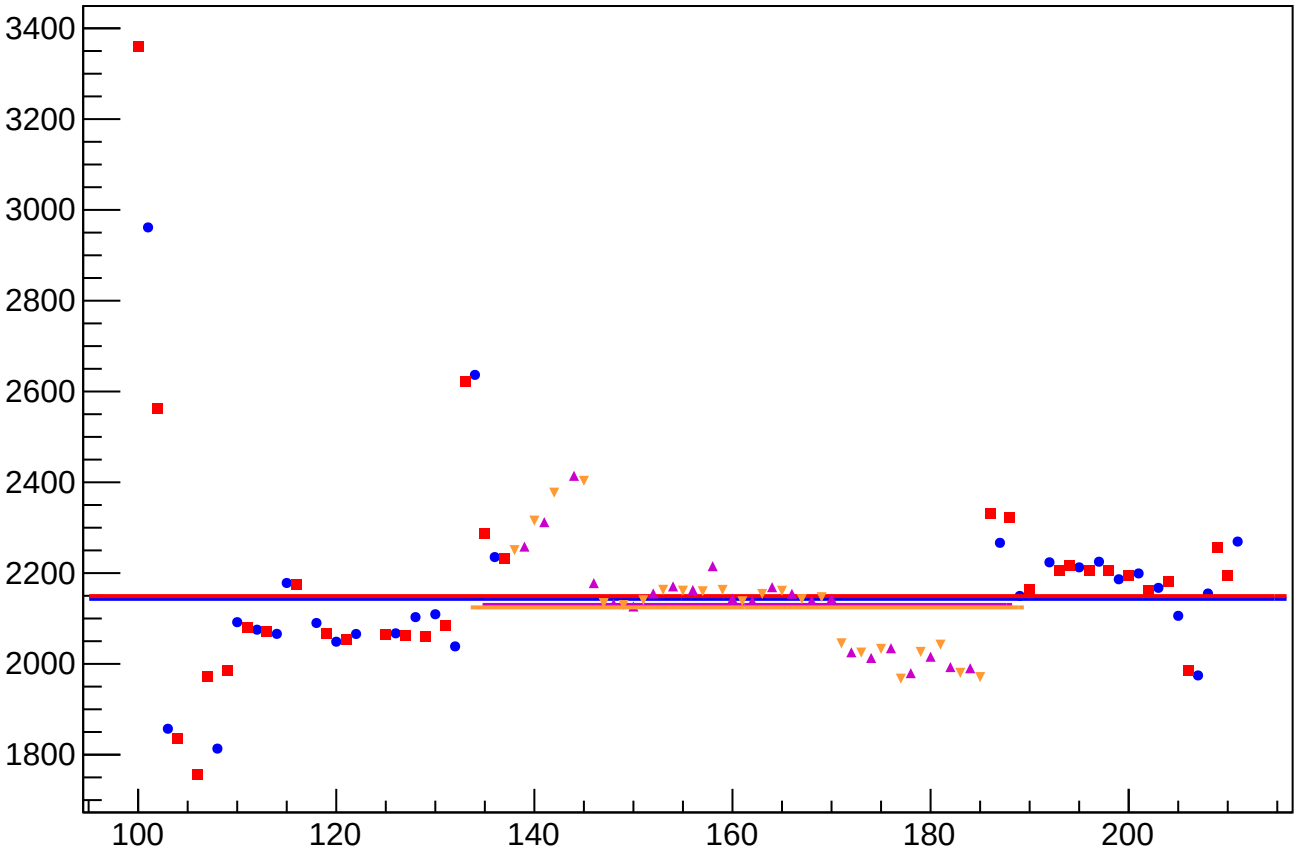
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -147.314+/-368.201 χ^2/NDF: 44.7/58

In: -595.977+/-362.113 χ^2/NDF:35.2/50

Out: -83.883+/-356.081 χ^2/NDF:53.6/54

All: -335.629+/-253.893 χ^2/NDF: 89.8/105



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.6/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.315+/-0.364 χ^2/NDF: 198796.6/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

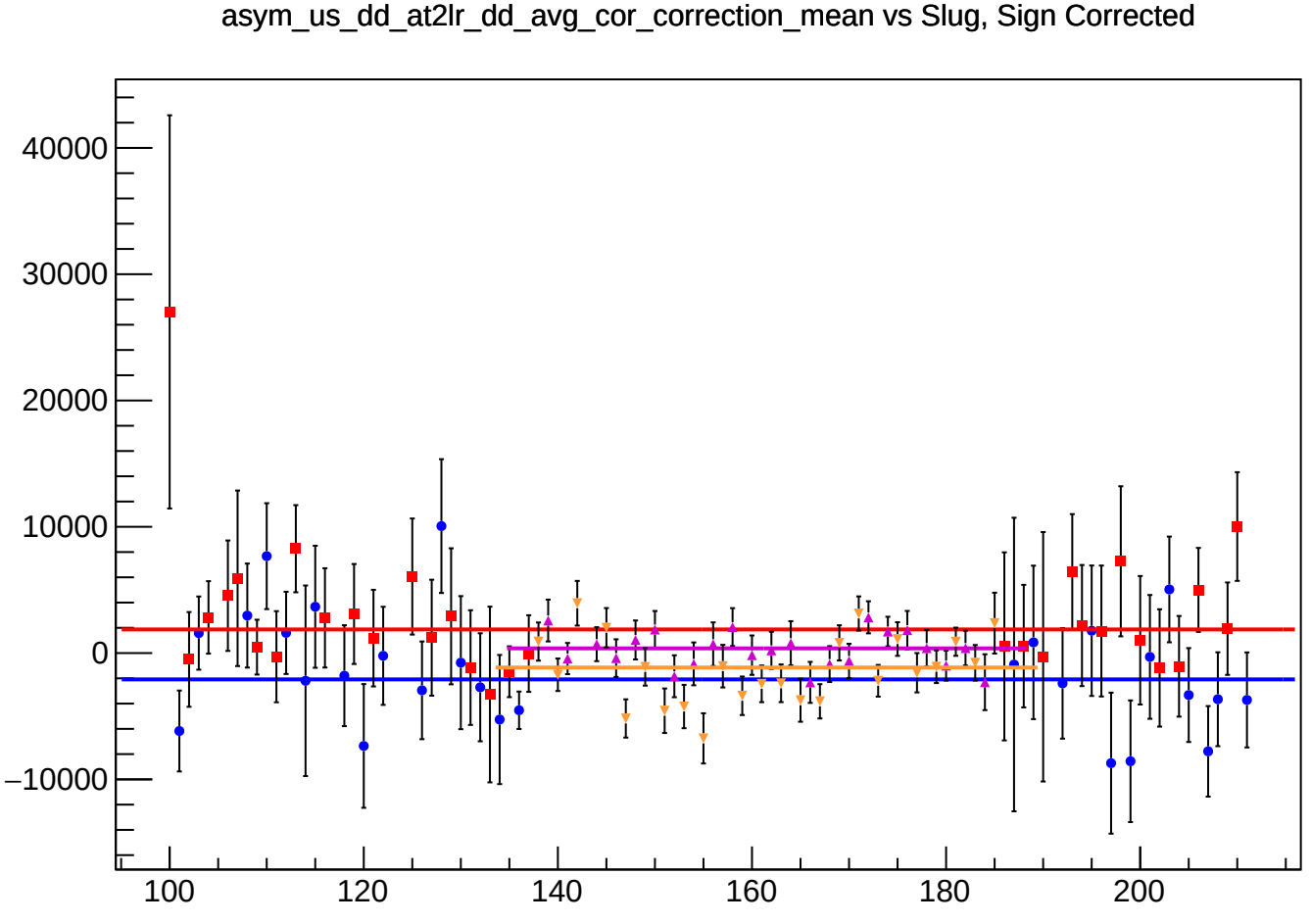
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2146.391+/-0.260 χ^2/NDF: 419413.0/58

In: 2136.216+/-0.256 χ^2/NDF:306522.0/50

Out: 2136.372+/-0.252 χ^2/NDF:290417.1/54

All: 2136.296+/-0.180 χ^2/NDF: 596939.3/105



Right In: -2082.740+/-718.560 χ^2/NDF: 32.8/27

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1871.874+/-709.161 χ^2/NDF: 20.7/30

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

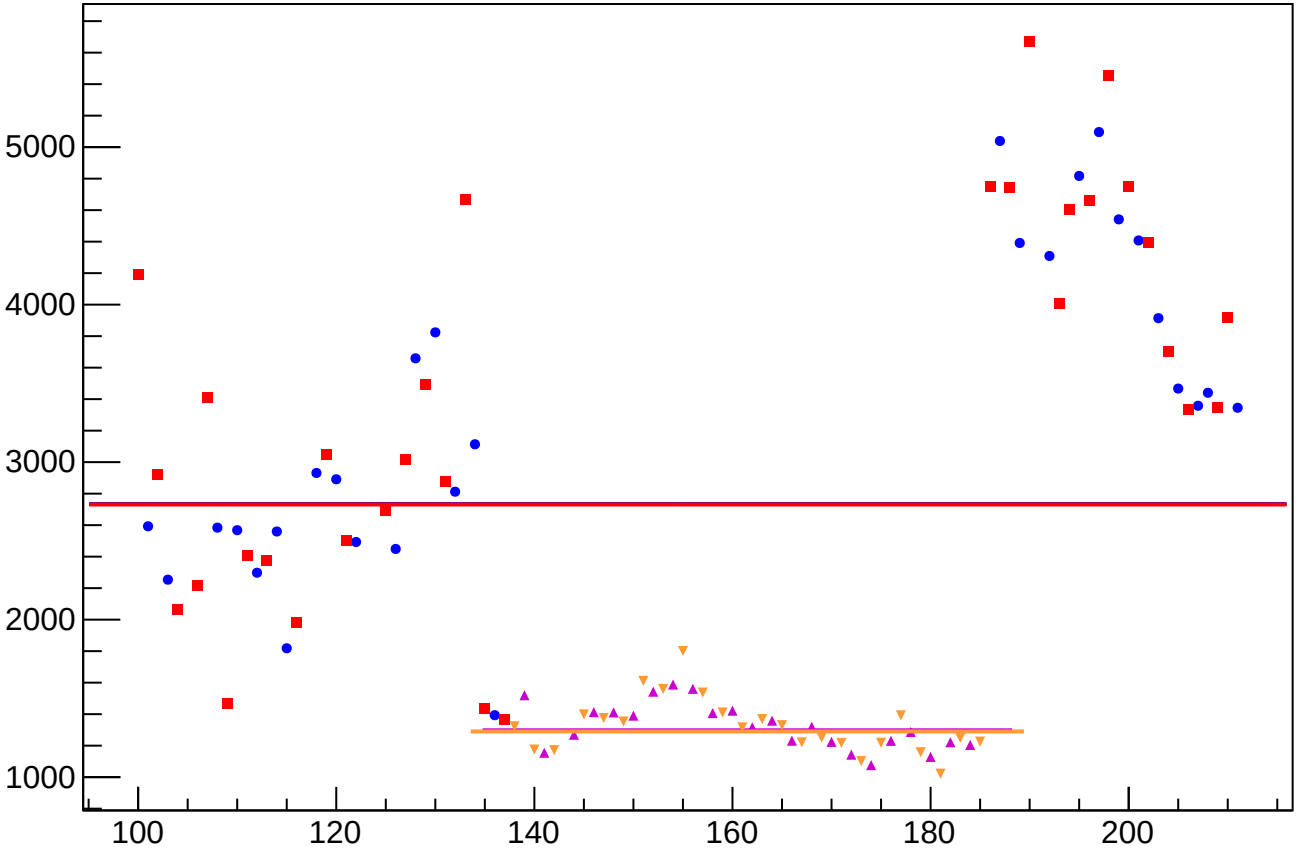
Right: -79.401+/-504.743 χ^2/NDF: 68.9/58

In: -2.529+/-281.051 χ^2/NDF:63.0/50

Out: -680.411+/-278.236 χ^2/NDF:103.5/54

All: -344.881+/-197.730 χ^2/NDF: 169.5/105

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2733.923+/-0.508 χ^2/NDF: 4103935.6/27

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2731.424+/-0.501 χ^2/NDF: 5212620.2/30

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

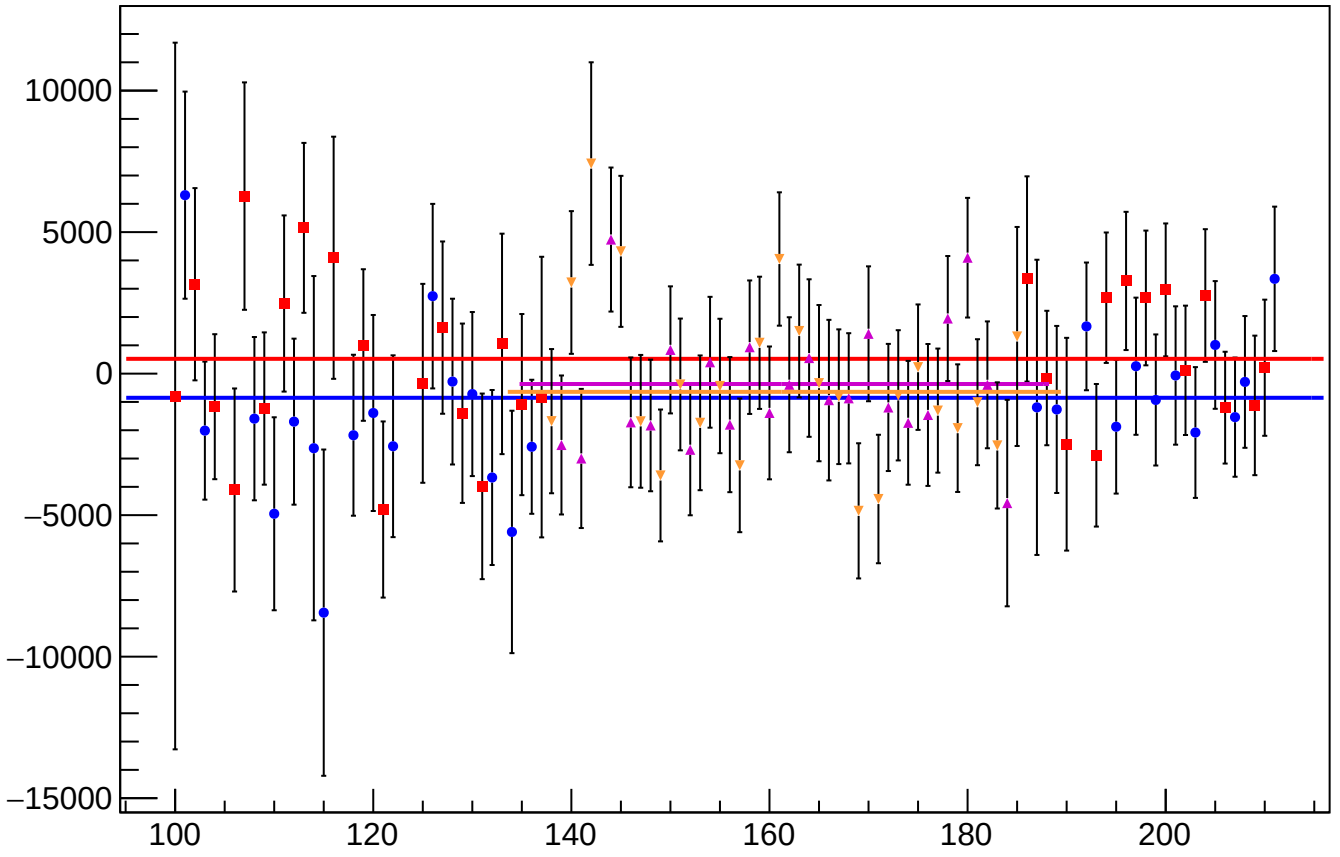
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2732.657+/-0.357 χ^2/NDF: 9316568.0/58

In: 1517.212+/-0.199 χ^2/NDF:11307906.4/50

Out: 1511.920+/-0.197 χ^2/NDF:12770917.4/54

All: 1514.539+/-0.140 χ^2/NDF: 24079182.0/



Right In: -853.488+/-527.604 χ^2/NDF: 17.5/27

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 523.140+/-514.087 χ^2/NDF: 23.8/30

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

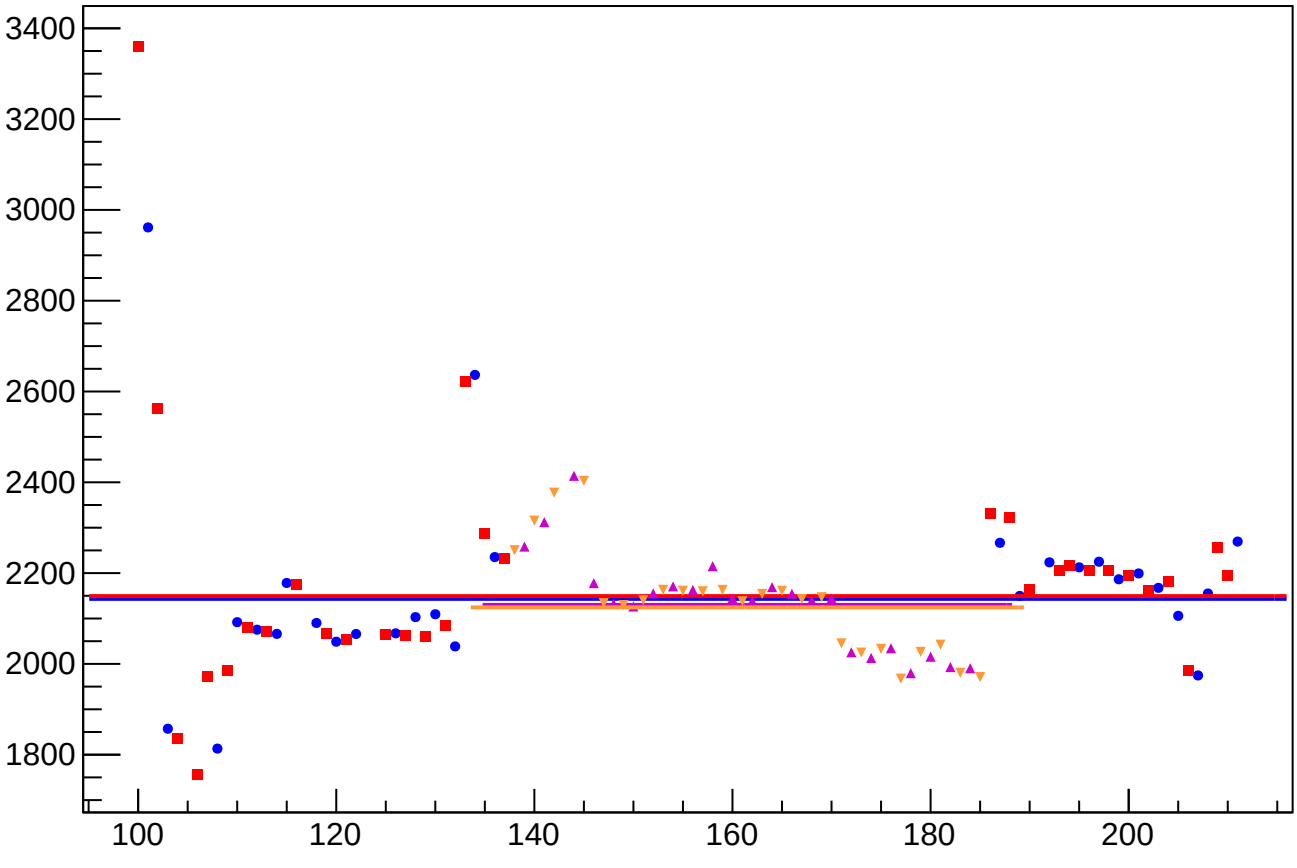
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -147.314+/-368.201 χ^2/NDF: 44.7/58

In: -595.977+/-362.113 χ^2/NDF:35.2/50

Out: -83.883+/-356.081 χ^2/NDF:53.6/54

All: -335.629+/-253.893 χ^2/NDF: 89.8/105



Right In: 2143.312+/-0.373 χ^2/NDF: 220483.6/27

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.315+/-0.364 χ^2/NDF: 198796.6/30

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

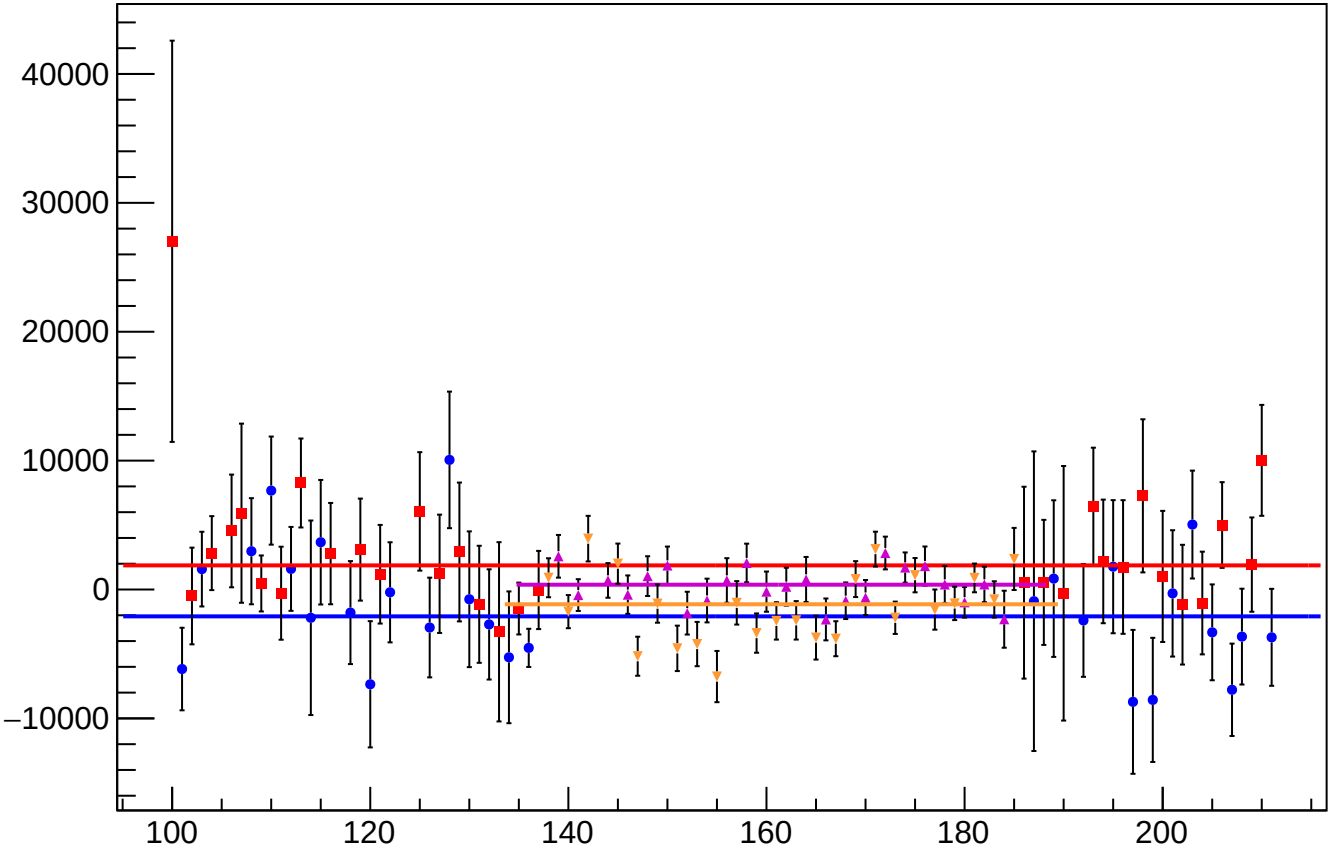
Right: 2146.391+/-0.260 χ^2/NDF: 419413.0/58

In: 2136.216+/-0.256 χ^2/NDF:306522.0/50

Out: 2136.372+/-0.252 χ^2/NDF:290417.1/54

All: 2136.296+/-0.180 χ^2/NDF: 596939.3/105

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2082.740+/-718.560 χ^2/NDF: 32.8/27

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1871.874+/-709.161 χ^2/NDF: 20.7/30

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

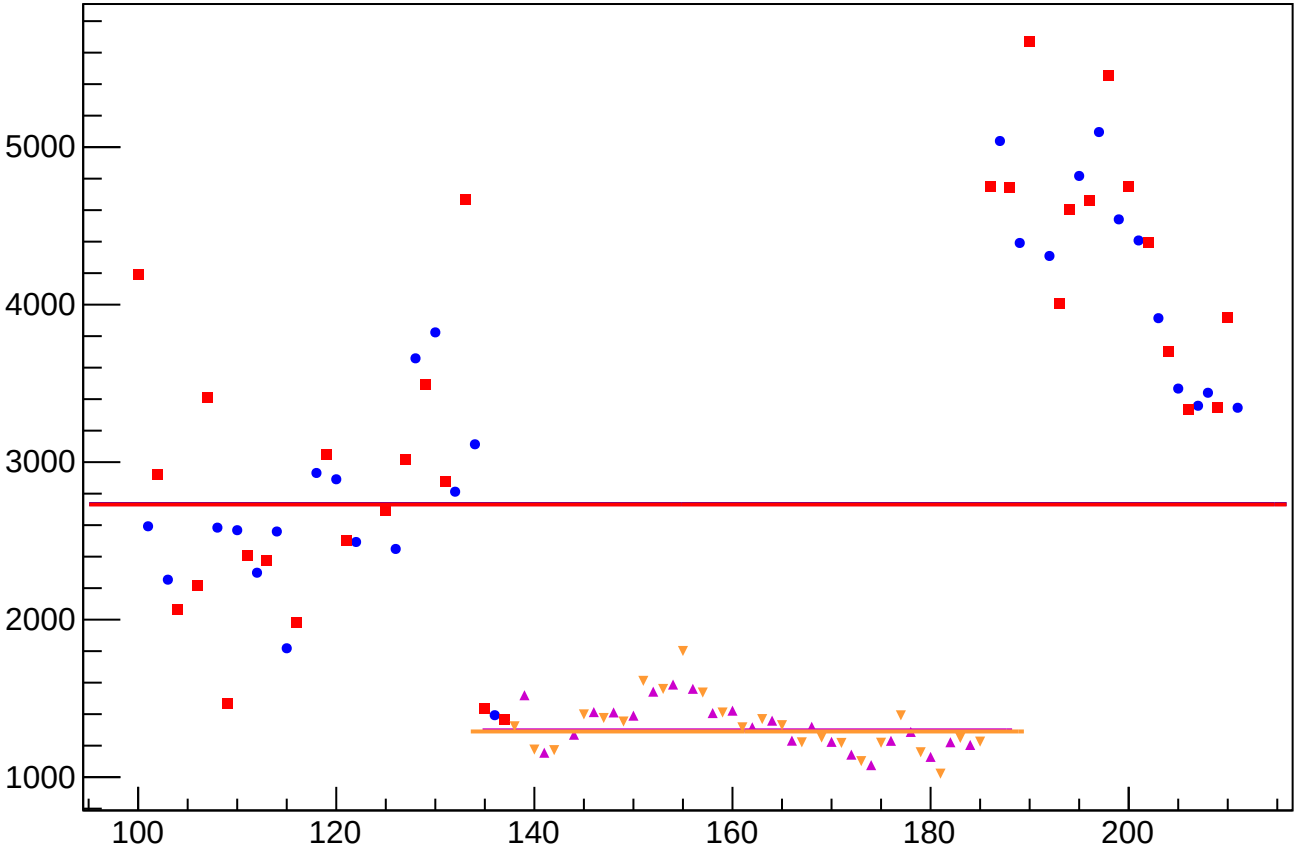
Right: -79.401+/-504.743 χ^2/NDF: 68.9/58

In: -2.529+/-281.051 χ^2/NDF:63.0/50

Out: -680.411+/-278.236 χ^2/NDF:103.5/54

All: -344.881+/-197.730 χ^2/NDF: 169.5/105

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2733.923+/-0.508 χ^2/NDF: 4103935.6/27

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2731.424+/-0.501 χ^2/NDF: 5212620.2/30

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

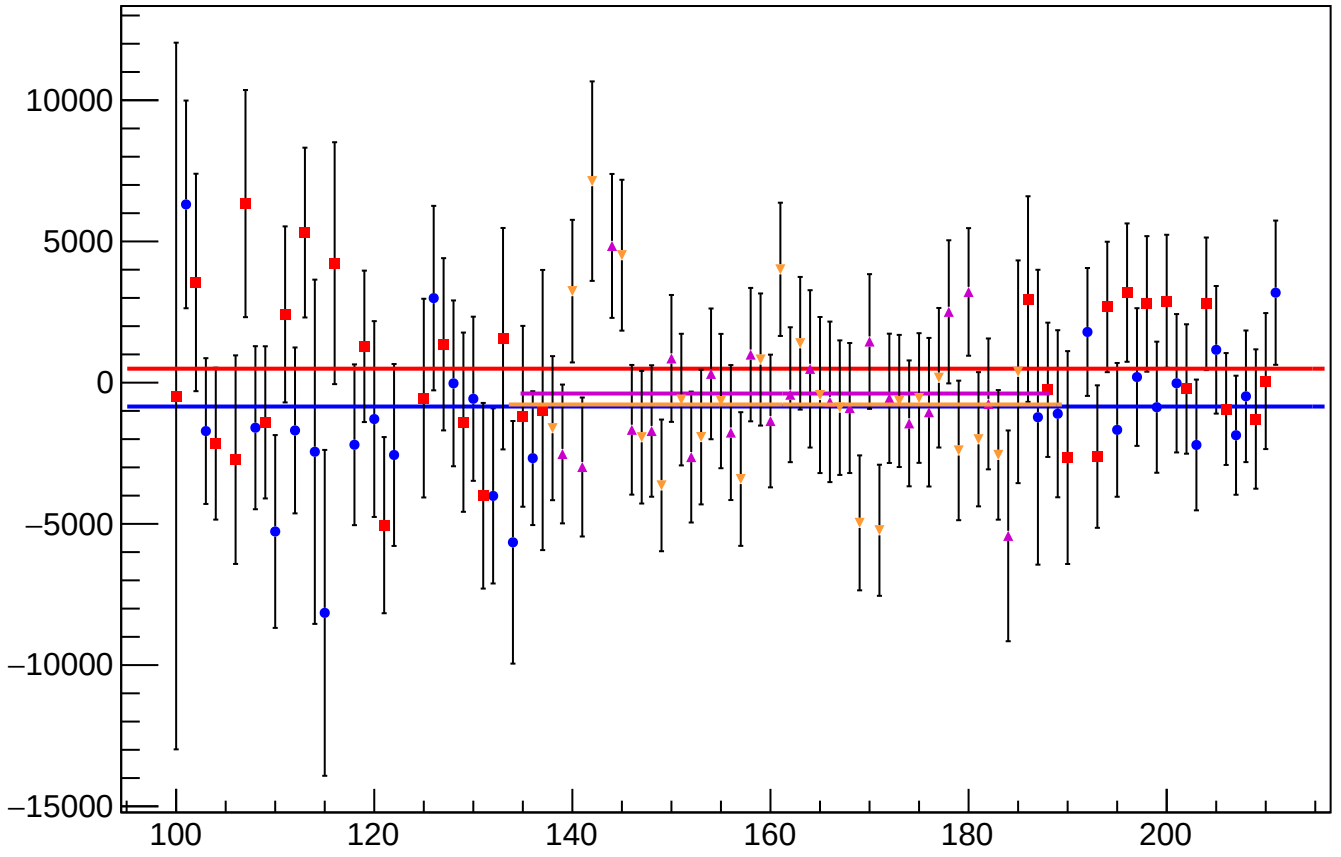
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2732.657+/-0.357 χ^2/NDF: 9316568.0/58

In: 1517.212+/-0.199 χ^2/NDF:11307906.4/50

Out: 1511.920+/-0.197 χ^2/NDF:12770917.4/54

All: 1514.539+/-0.140 χ^2/NDF: 24079182.0/



Right In: -845.168+/-529.955 χ^2/NDF: 18.0/27

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 494.778+/-517.749 χ^2/NDF: 23.7/30

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

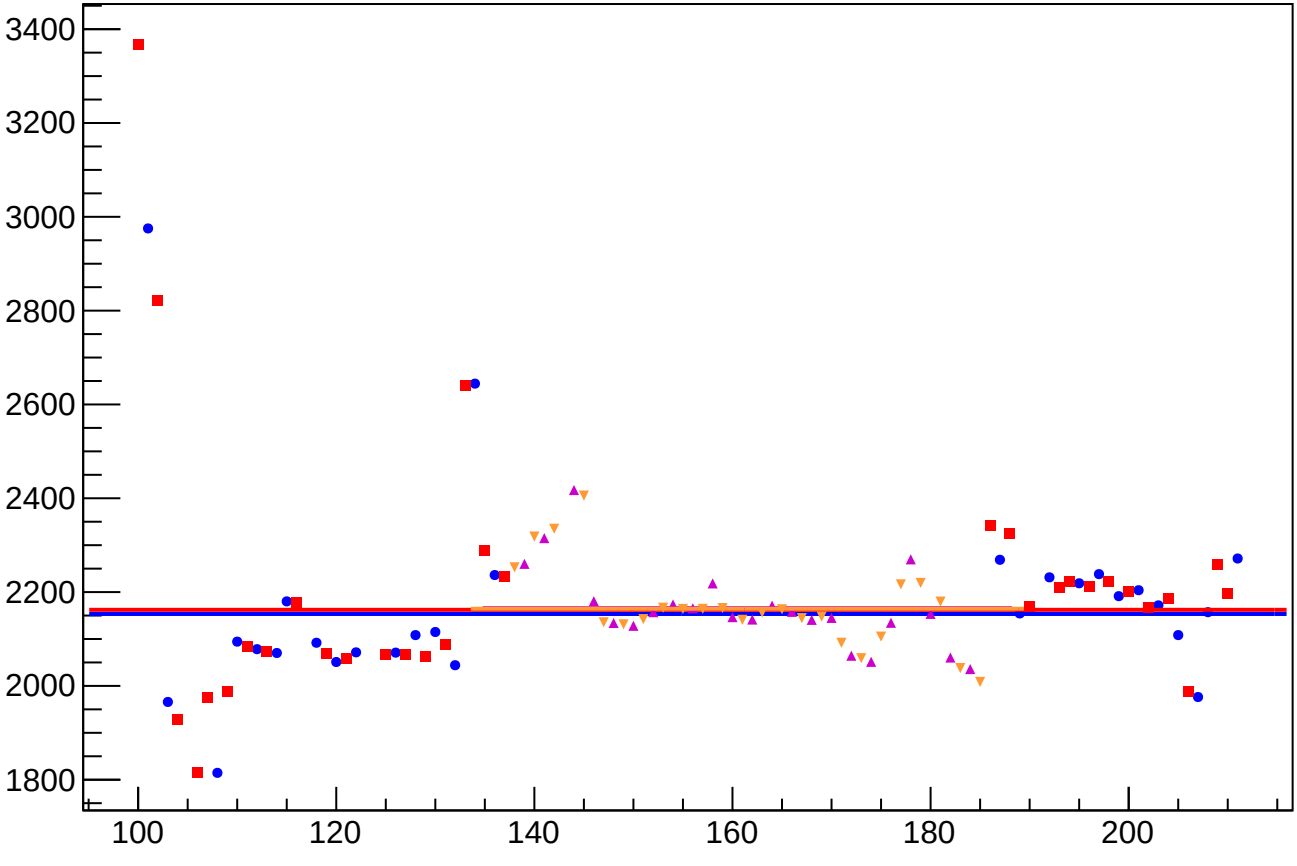
Right: -159.586+/-370.344 χ^2/NDF: 45.0/58

In: -604.613+/-365.991 χ^2/NDF:34.0/50

Out: -157.954+/-360.708 χ^2/NDF:55.4/54

All: -378.037+/-256.907 χ^2/NDF: 90.1/105

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2153.352+/-0.375 χ^2/NDF: 205500.1/27

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2162.214+/-0.366 χ^2/NDF: 207996.5/30

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

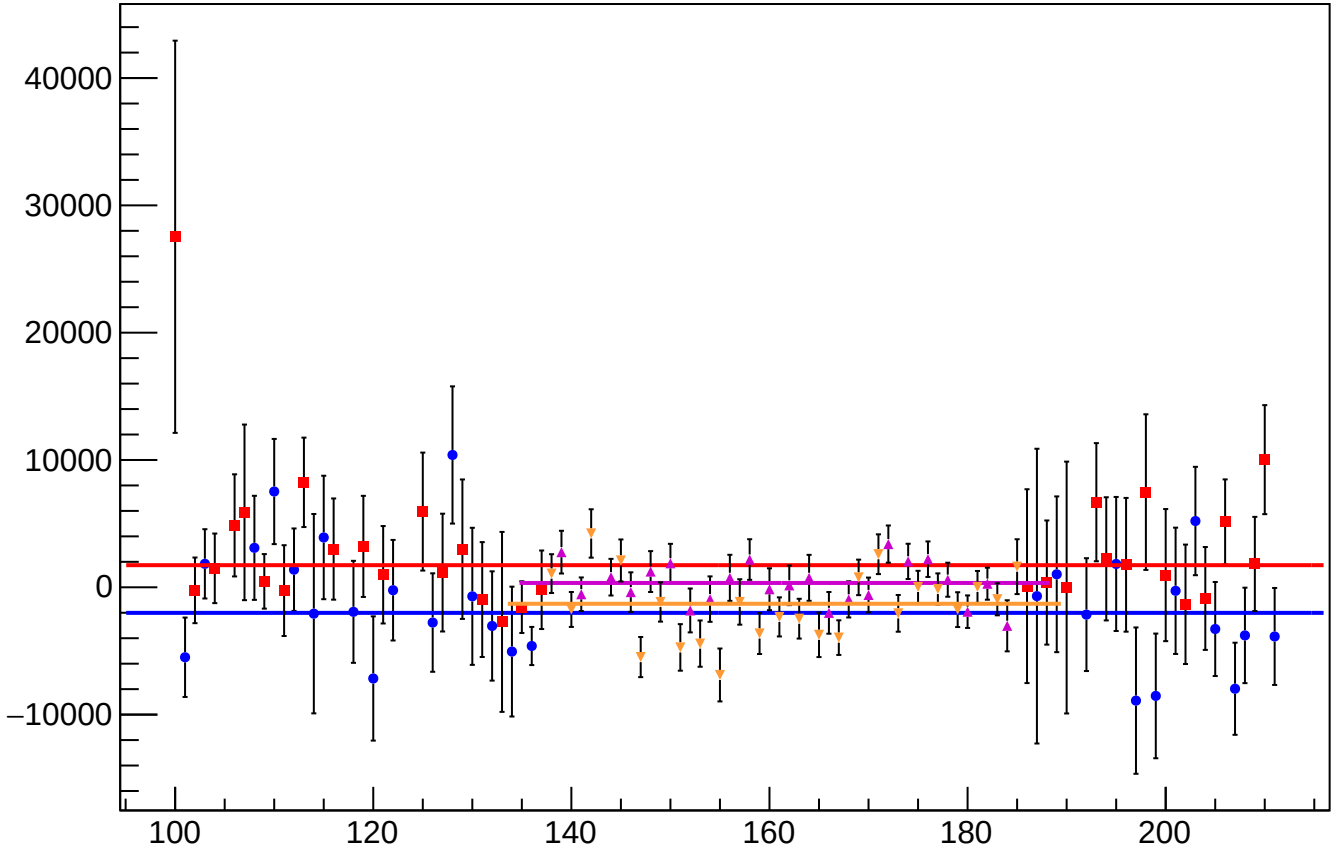
Right: 2157.886+/-0.262 χ^2/NDF: 413782.7/58

In: 2159.781+/-0.259 χ^2/NDF:258187.3/50

Out: 2163.407+/-0.255 χ^2/NDF:258693.4/54

All: 2161.621+/-0.182 χ^2/NDF: 516980.2/105

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2008.662+/-719.512 χ^2/NDF: 33.2/27

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1737.374+/-694.840 χ^2/NDF: 21.3/30

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

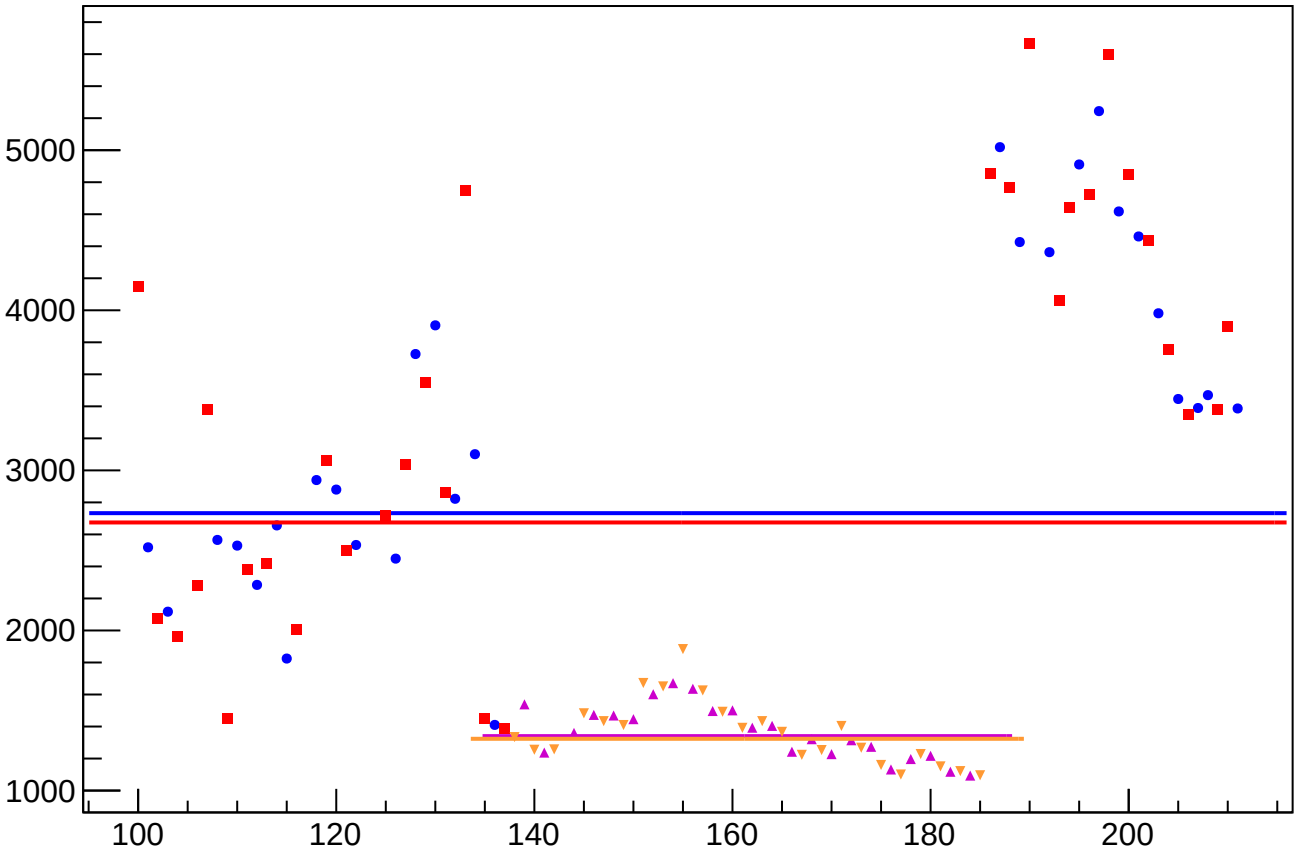
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -70.319+/-499.821 χ^2/NDF: 68.5/58

In: -37.839+/-288.993 χ^2/NDF:66.9/50

Out: -788.860+/-283.576 χ^2/NDF:95.8/54

All: -420.454+/-202.407 χ^2/NDF: 166.1/105



Right In: 2732.843+/-0.509 χ^2/NDF: 4198186.6/27

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2674.654+/-0.491 χ^2/NDF: 5457207.0/30

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

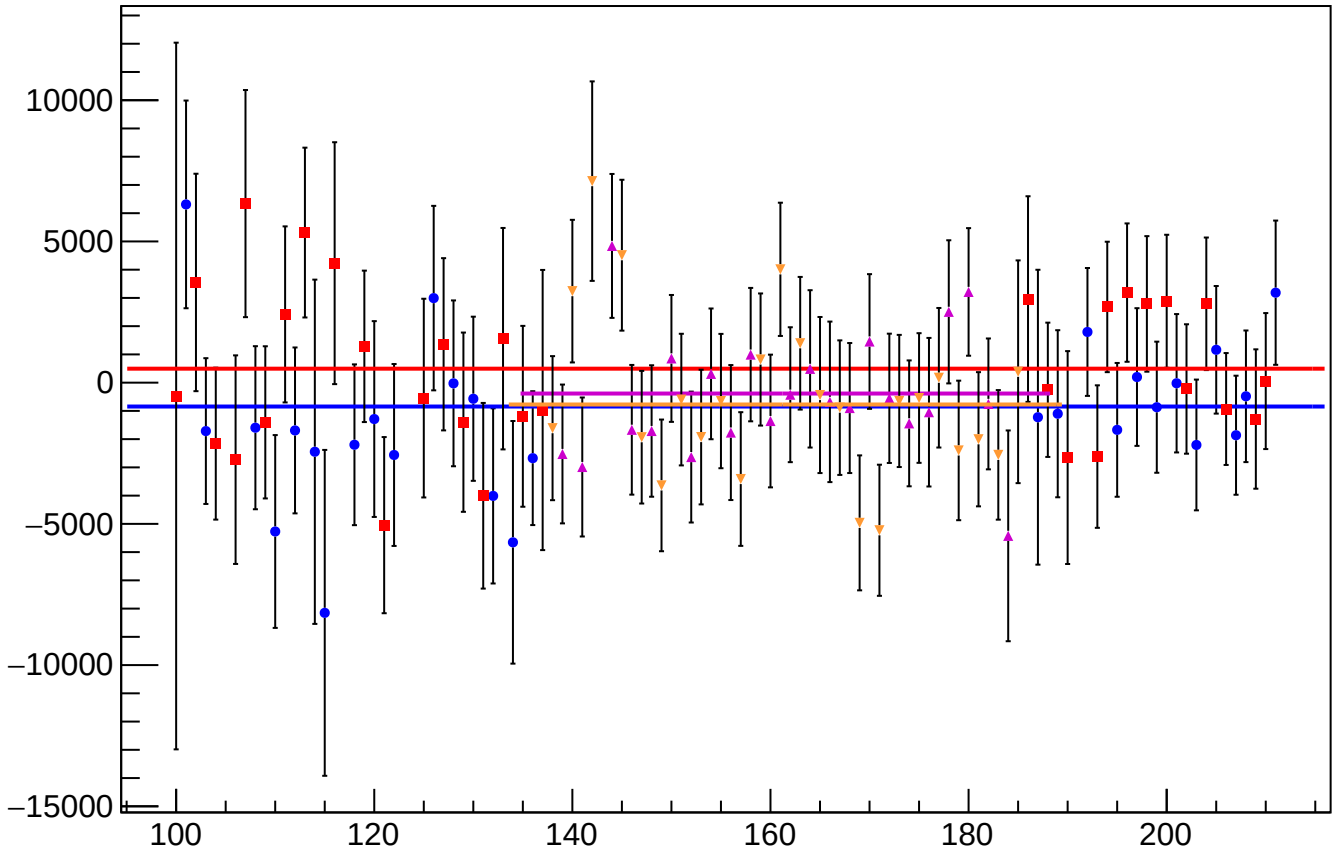
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2702.734+/-0.353 χ^2/NDF: 9662162.1/58

In: 1564.770+/-0.204 χ^2/NDF:10977377.2/50

Out: 1548.466+/-0.201 χ^2/NDF:12424939.9/54

All: 1556.464+/-0.143 χ^2/NDF: 23405560.1/



Right In: -845.165+/-529.955 χ^2/NDF: 18.0/27

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 494.775+/-517.749 χ^2/NDF: 23.7/30

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

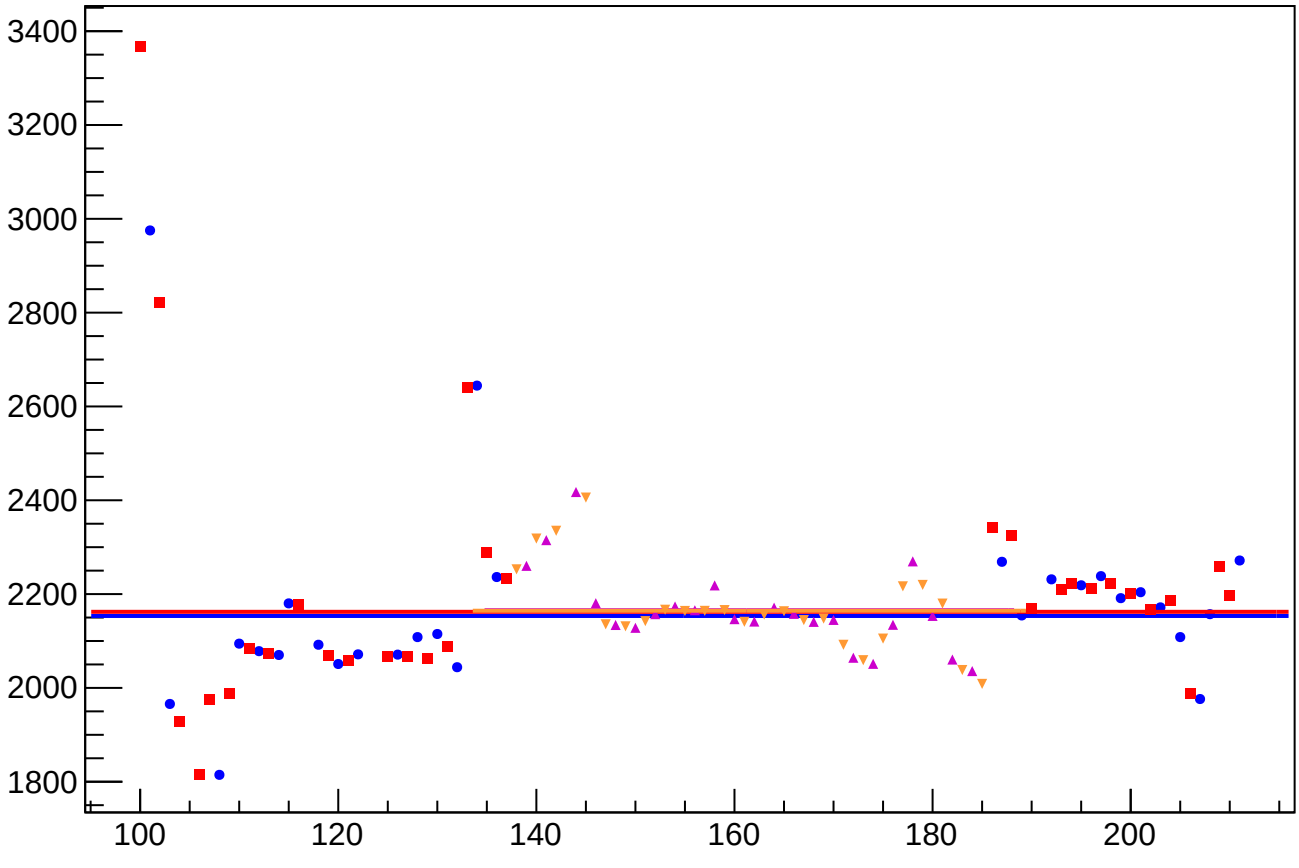
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -159.586+/-370.344 χ^2/NDF: 45.0/58

In: -604.612+/-365.991 χ^2/NDF:34.0/50

Out: -157.954+/-360.708 χ^2/NDF:55.4/54

All: -378.036+/-256.907 χ^2/NDF: 90.1/105



Right In: 2153.352+/-0.375 χ^2/NDF: 205500.1/27

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2162.214+/-0.366 χ^2/NDF: 207996.4/30

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

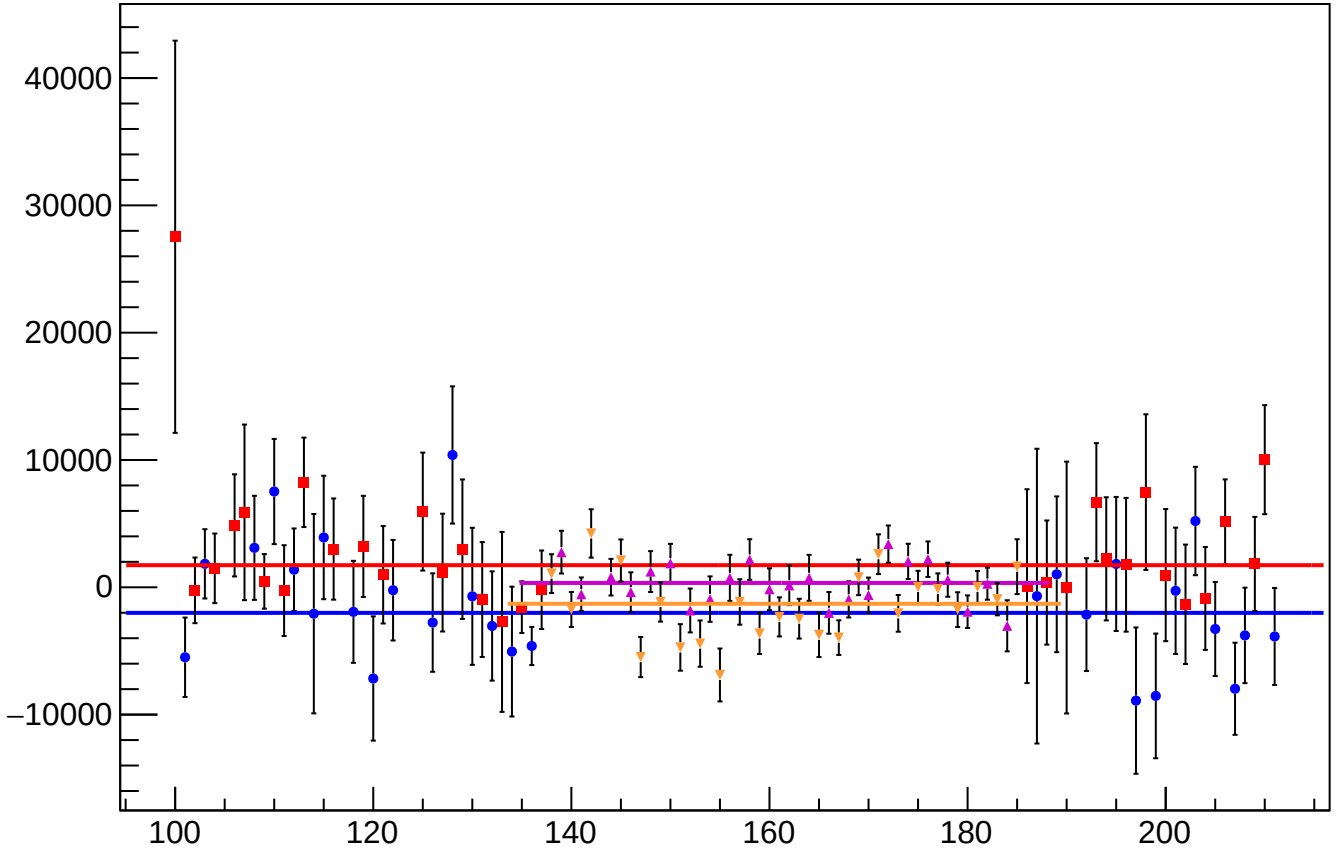
Right: 2157.886+/-0.262 χ^2/NDF: 413782.6/58

In: 2159.781+/-0.259 χ^2/NDF:258187.2/50

Out: 2163.407+/-0.255 χ^2/NDF:258693.3/54

All: 2161.620+/-0.182 χ^2/NDF: 516980.1/105

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2008.655+/-719.514 χ^2/NDF: 33.2/27

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1737.387+/-694.842 χ^2/NDF: 21.3/30

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

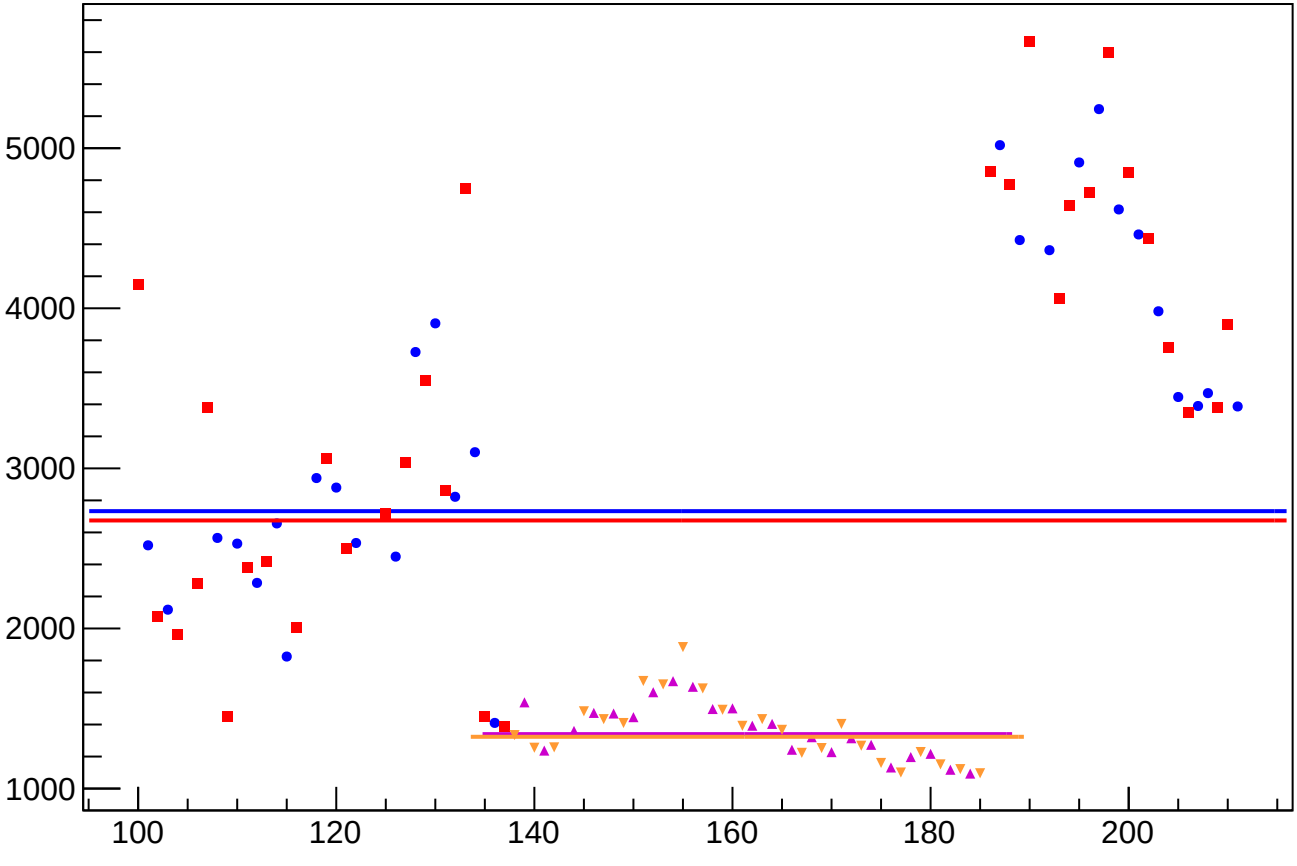
Right: -70.309+/-499.822 χ^2/NDF: 68.5/58

In: -37.838+/-288.993 χ^2/NDF:66.9/50

Out: -788.861+/-283.576 χ^2/NDF:95.8/54

All: -420.454+/-202.406 χ^2/NDF: 166.1/105

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2732.854+/-0.509 χ^2/NDF: 4198089.1/27

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2674.666+/-0.491 χ^2/NDF: 5457115.0/30

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

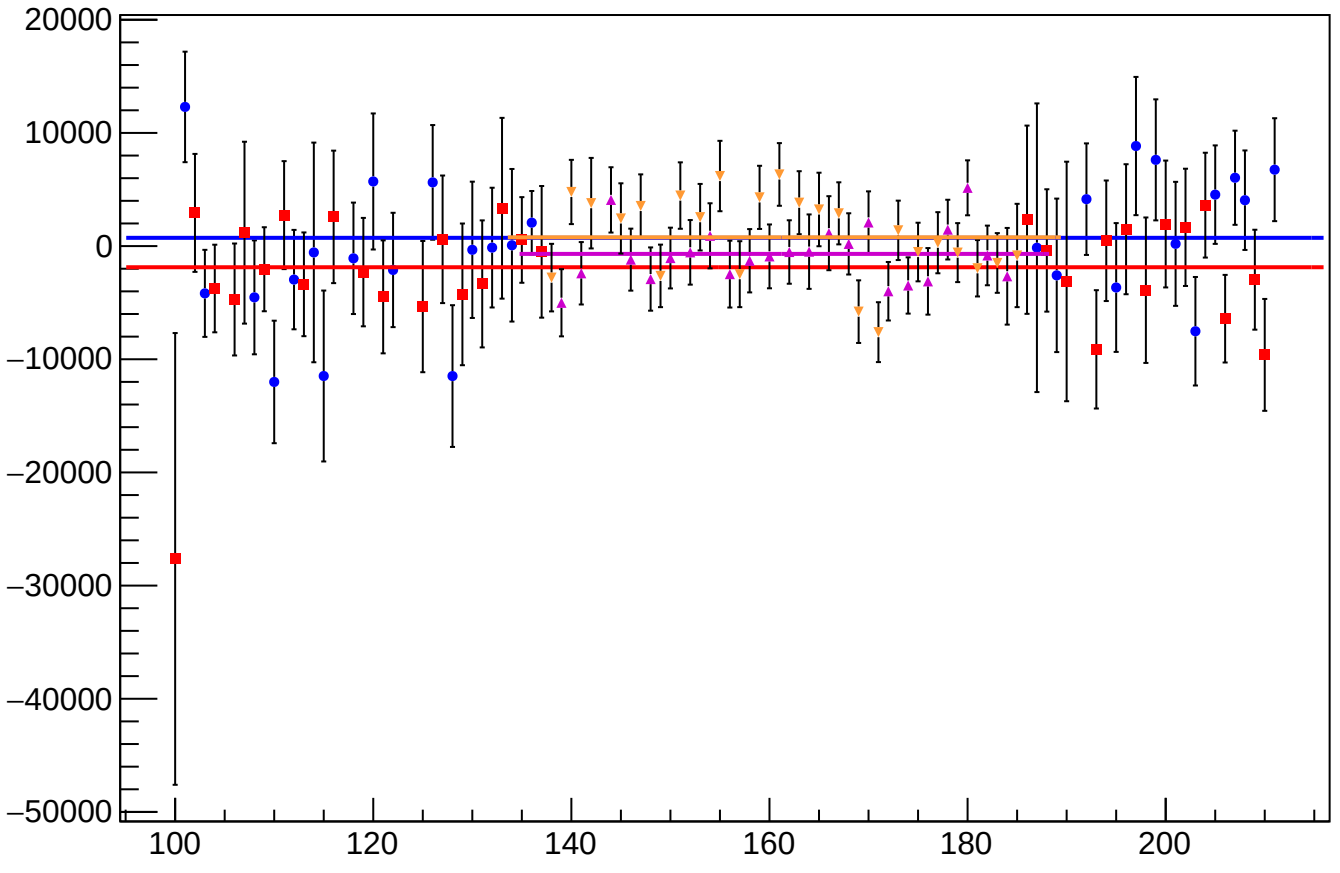
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2702.746+/-0.353 χ^2/NDF: 9661972.3/58

In: 1564.769+/-0.204 χ^2/NDF:10977377.6/50

Out: 1548.467+/-0.201 χ^2/NDF:12424930.6/54

All: 1556.464+/-0.143 χ^2/NDF: 23405550.6/



Right In: 730.697+/-954.402 χ^2/NDF: 35.8/27

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1868.944+/-940.042 χ^2/NDF: 15.9/30

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

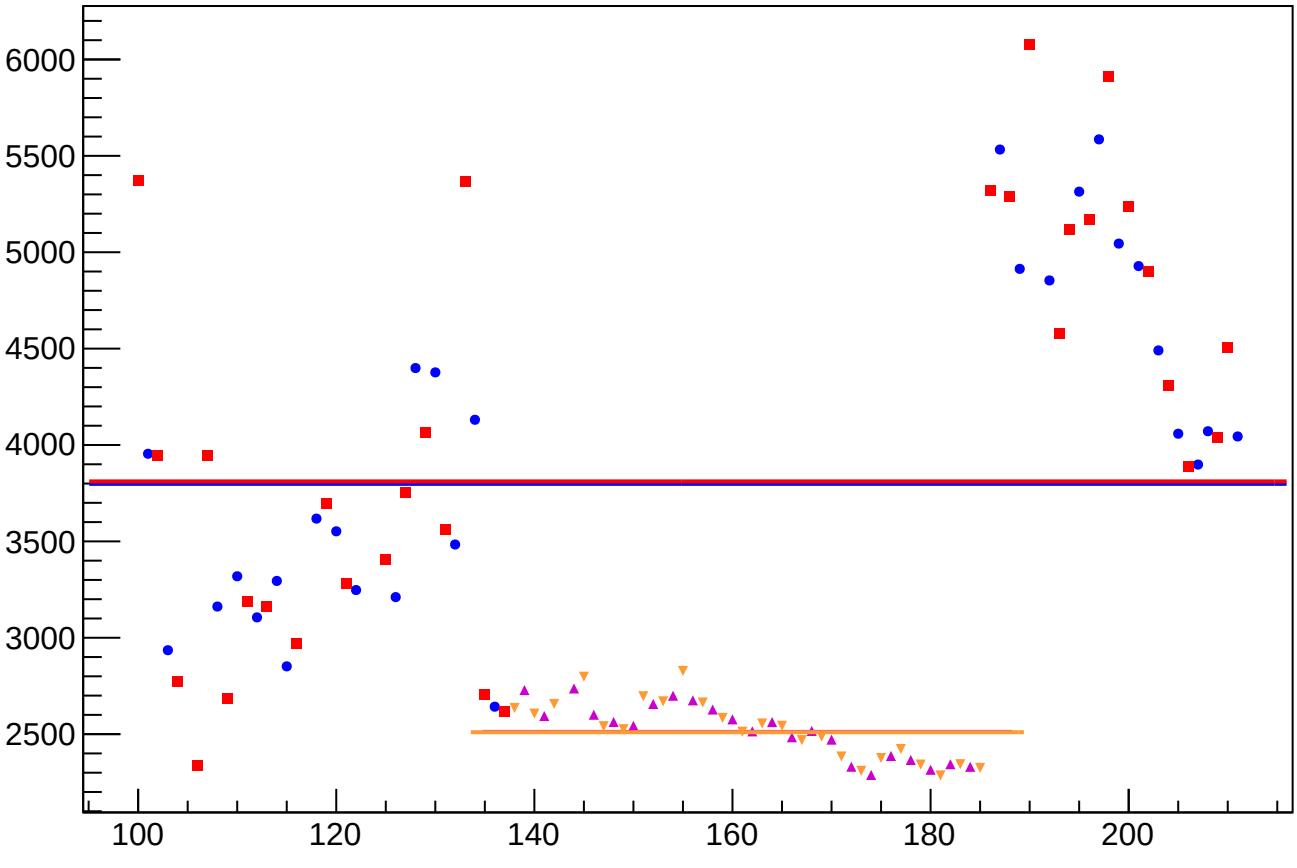
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -588.828+/-669.729 χ^2/NDF: 55.5/58

In: -299.649+/-500.265 χ^2/NDF:55.8/50

Out: 39.138+/-495.877 χ^2/NDF:61.0/54

All: -128.763+/-352.179 χ^2/NDF: 117.0/105



Right In: 3798.417+/-0.675 χ^2/NDF: 1436434.6/27

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3811.223+/-0.665 χ^2/NDF: 2089463.8/30

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

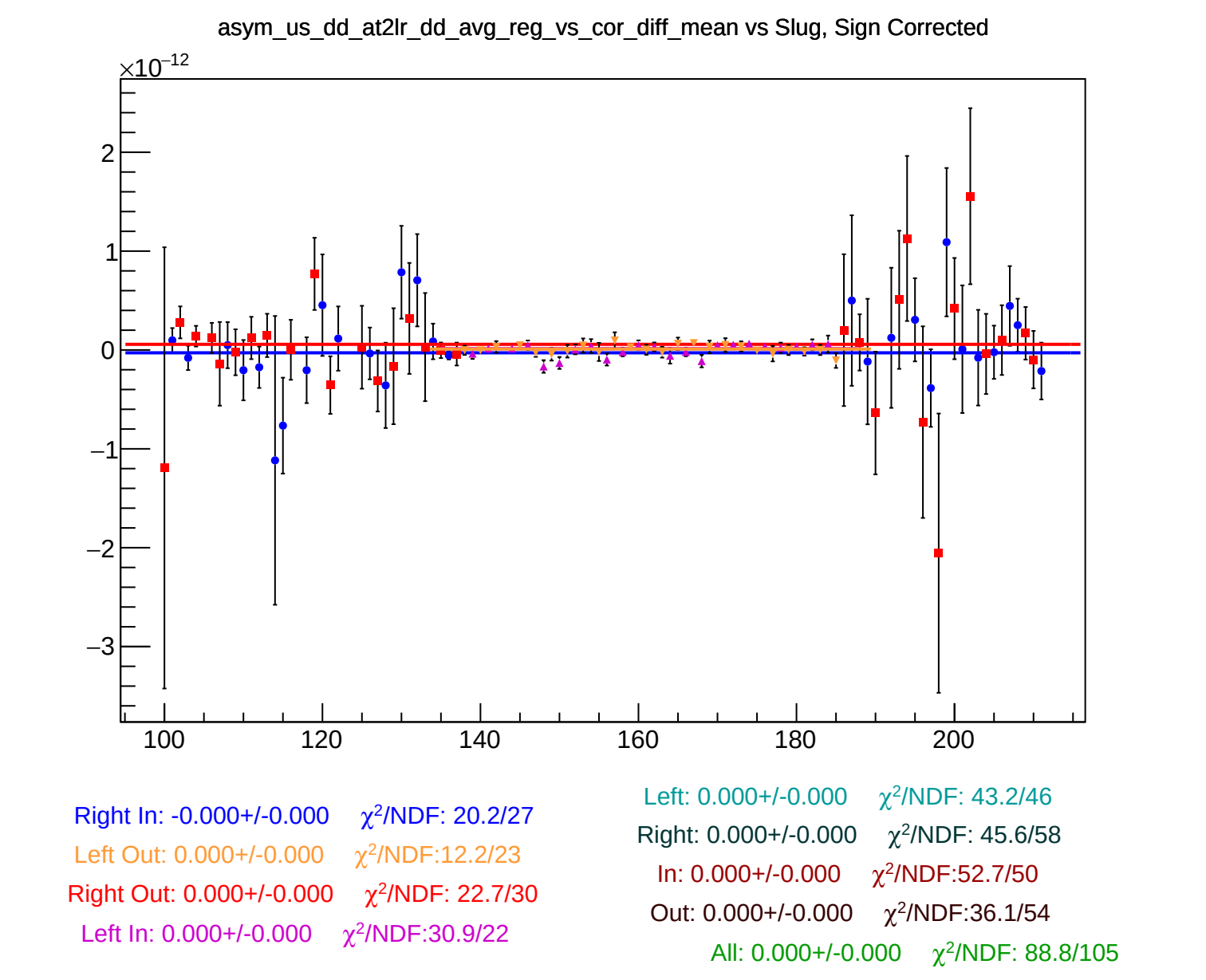
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

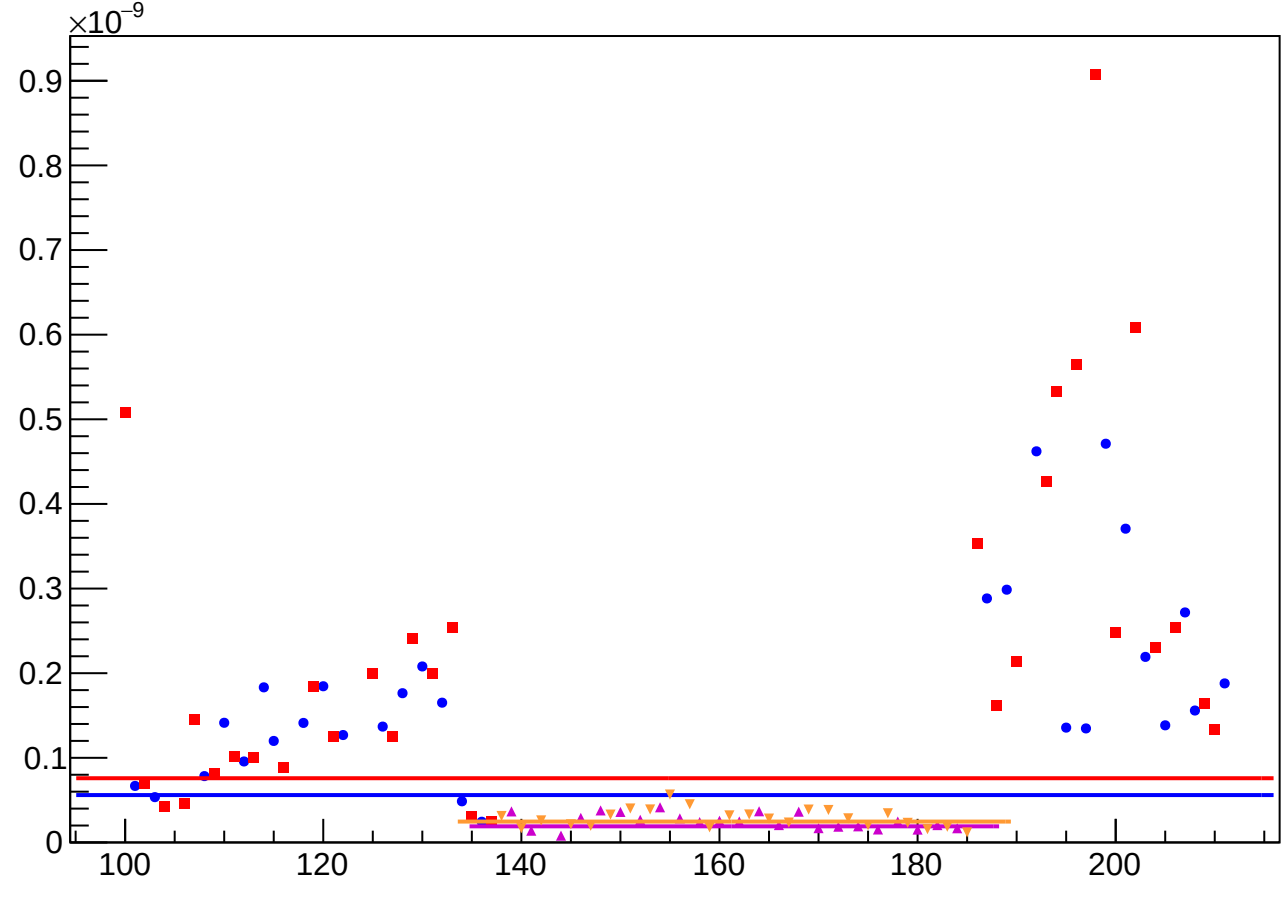
Right: 3804.917+/-0.474 χ^2/NDF: 3526081.2/58

In: 2865.163+/-0.354 χ^2/NDF:4186739.5/50

Out: 2872.134+/-0.351 χ^2/NDF:4983625.5/54

All: 2868.679+/-0.249 χ^2/NDF: 9170560.9/10


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: 20.2/27
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/30
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: 45.6/58
In: 0.000+/-0.000 χ²/NDF:52.7/50
Out: 0.000+/-0.000 χ²/NDF:36.1/54
All: 0.000+/-0.000 χ²/NDF: 88.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 6503861.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7331014.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

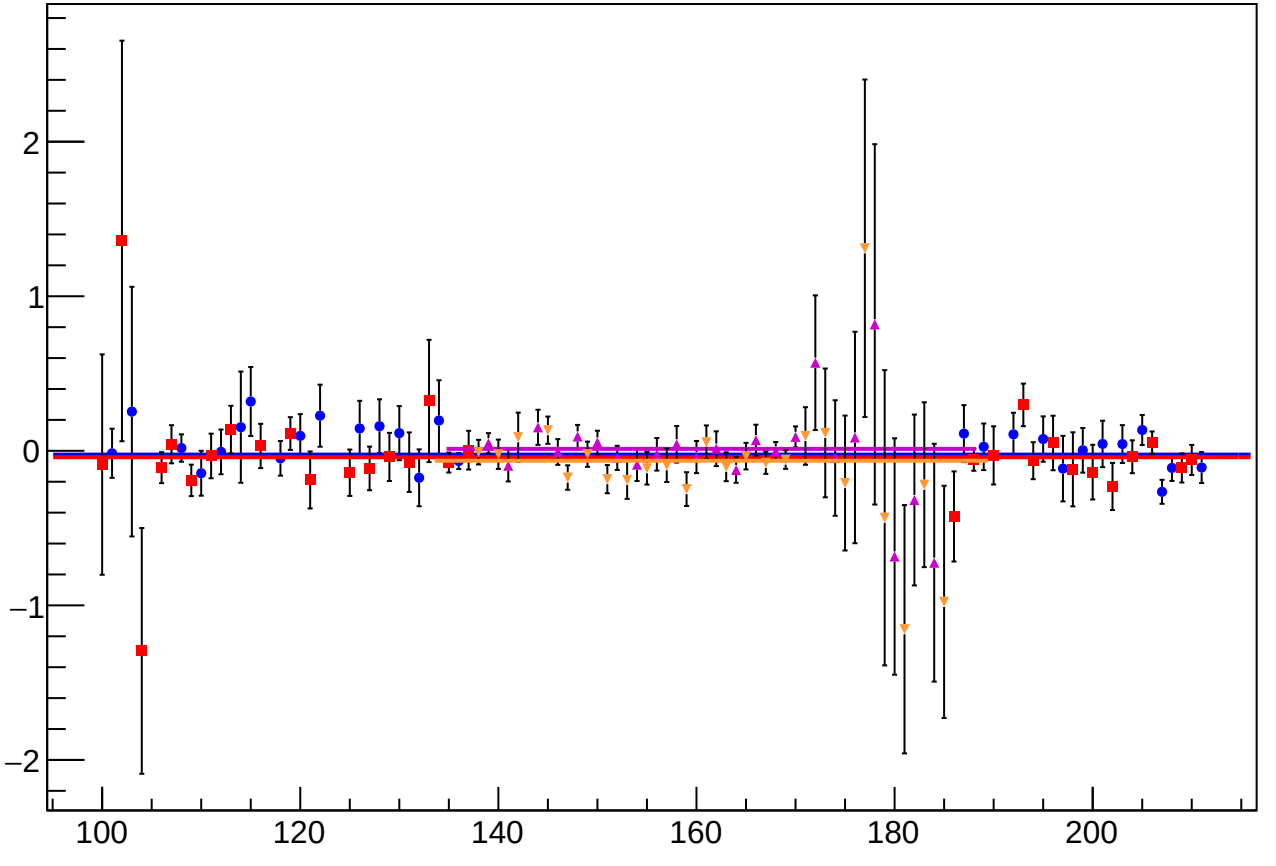
Right: 0.000+/-0.000 χ^2/NDF: 14122137.7/58

In: 0.000+/-0.000 χ^2/NDF:11046516.5/50

Out: 0.000+/-0.000 χ^2/NDF:11709540.4/54

All: 0.000+/-0.000 χ^2/NDF: 23231354.6/105

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

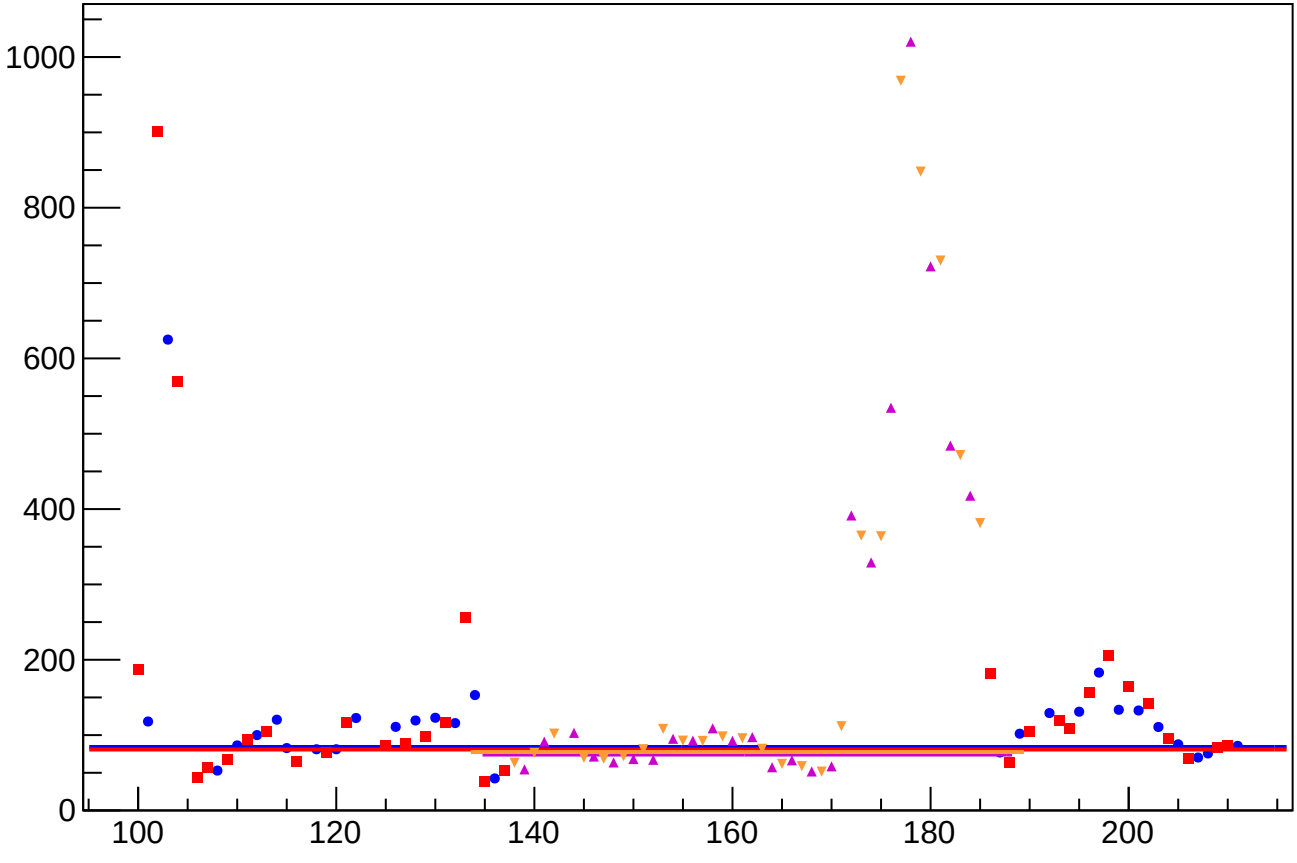
Right: -0.033+/-0.016 χ^2/NDF: 53.2/58

In: -0.004+/-0.016 χ^2/NDF:43.9/50

Out: -0.053+/-0.016 χ^2/NDF:48.3/54

All: -0.028+/-0.011 χ^2/NDF: 97.1/105

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.203+/-0.017 χ^2/NDF: 4589593.6/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.911+/-0.016 χ^2/NDF: 6051647.7/30

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

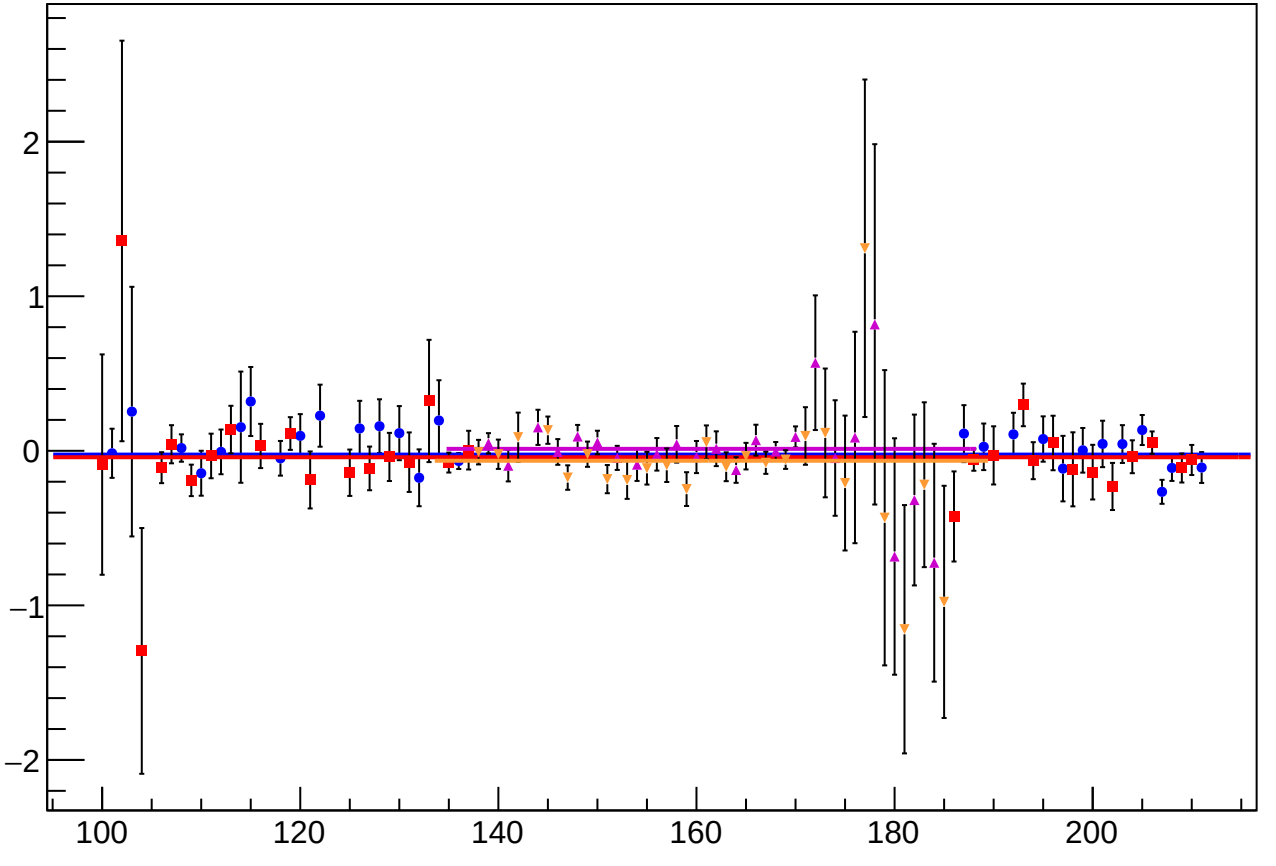
Right: 82.492+/-0.011 χ^2/NDF: 10661854.9/58

In: 78.704+/-0.011 χ^2/NDF:13304568.3/50

Out: 79.194+/-0.011 χ^2/NDF:14405799.4/54

All: 78.948+/-0.008 χ^2/NDF: 27711338.0/105

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

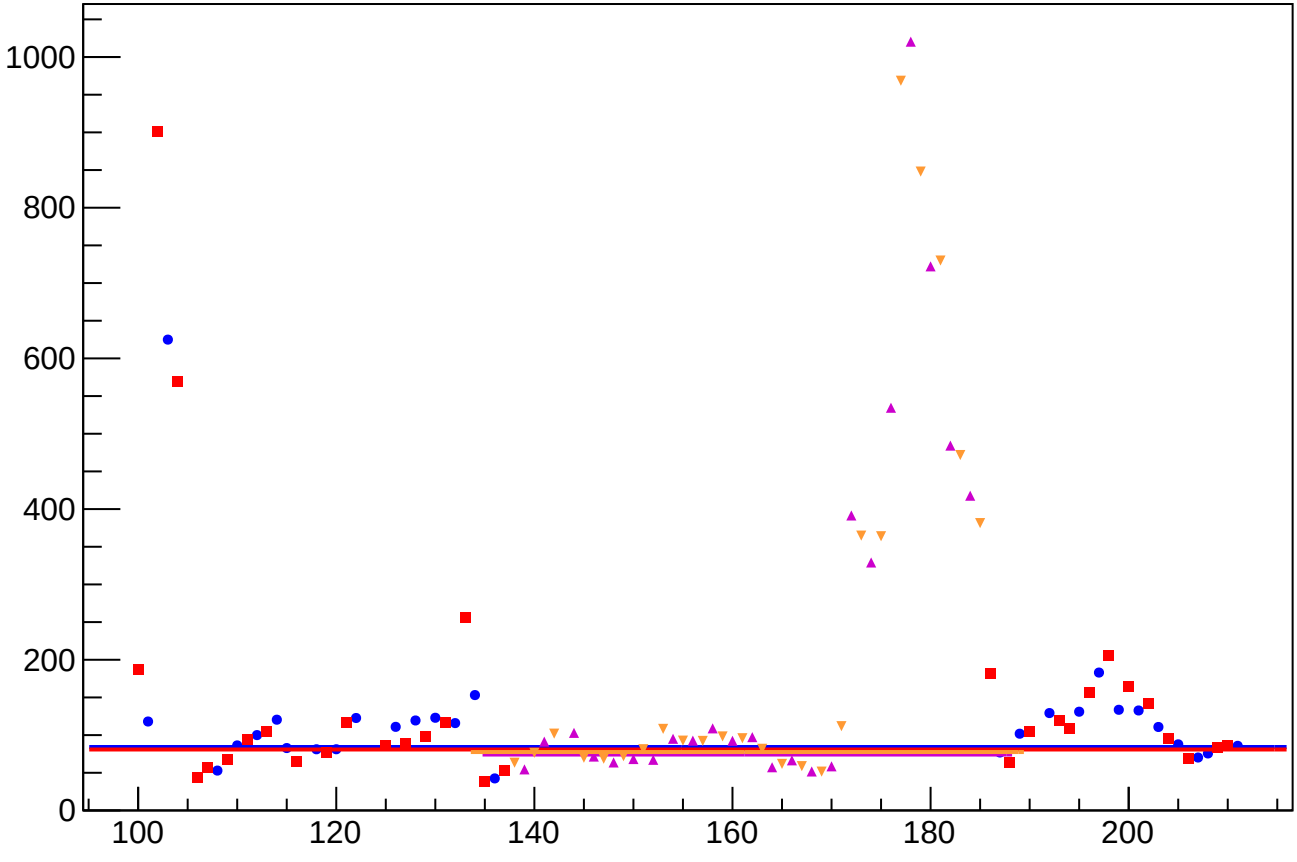
Right: -0.033+/-0.016 χ^2/NDF: 53.2/58

In: -0.004+/-0.016 χ^2/NDF:43.9/50

Out: -0.053+/-0.016 χ^2/NDF:48.3/54

All: -0.028+/-0.011 χ^2/NDF: 97.1/105

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.203+/-0.017 χ^2/NDF: 4589593.6/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.911+/-0.016 χ^2/NDF: 6051647.7/30

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

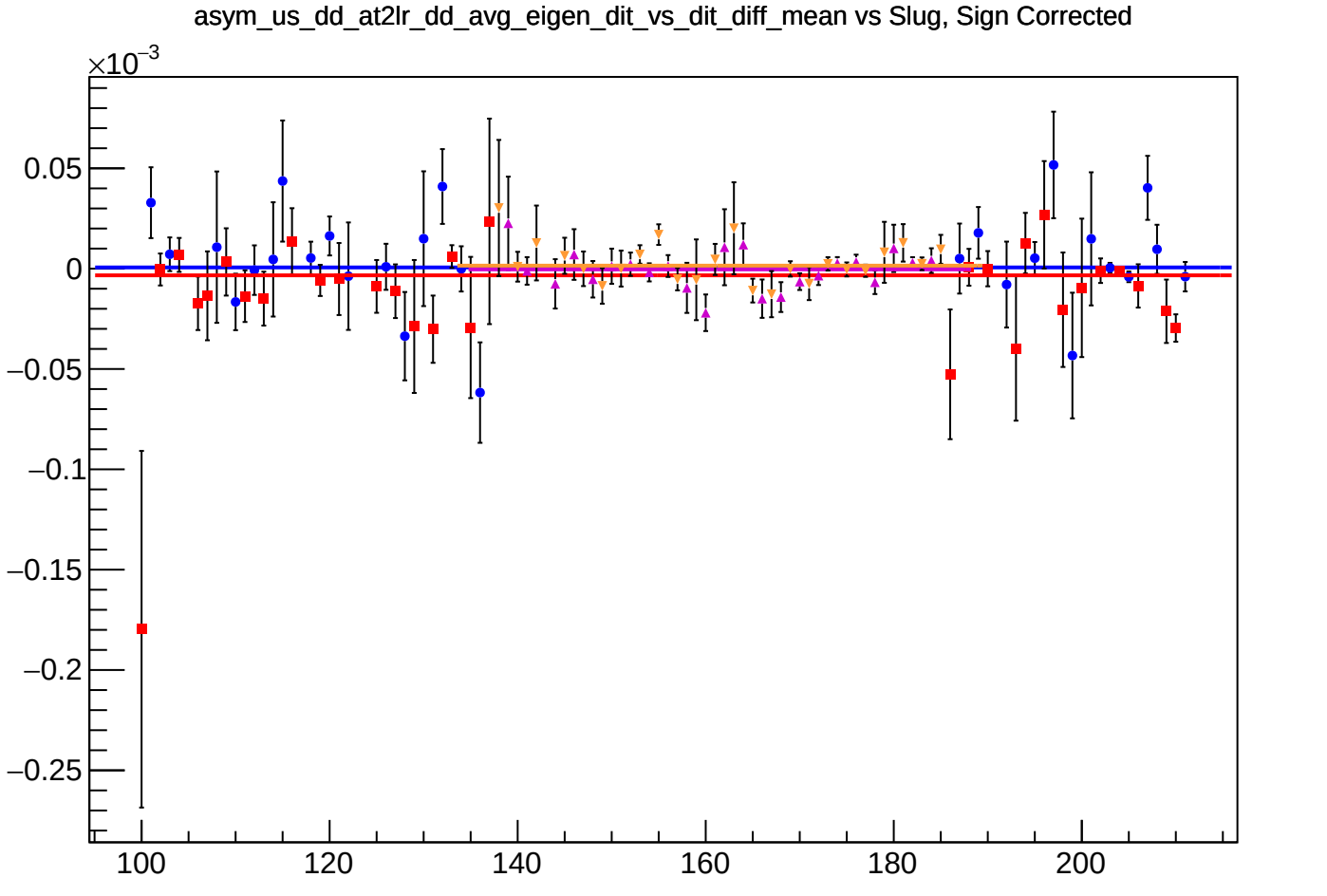
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 82.492+/-0.011 χ^2/NDF: 10661854.9/58

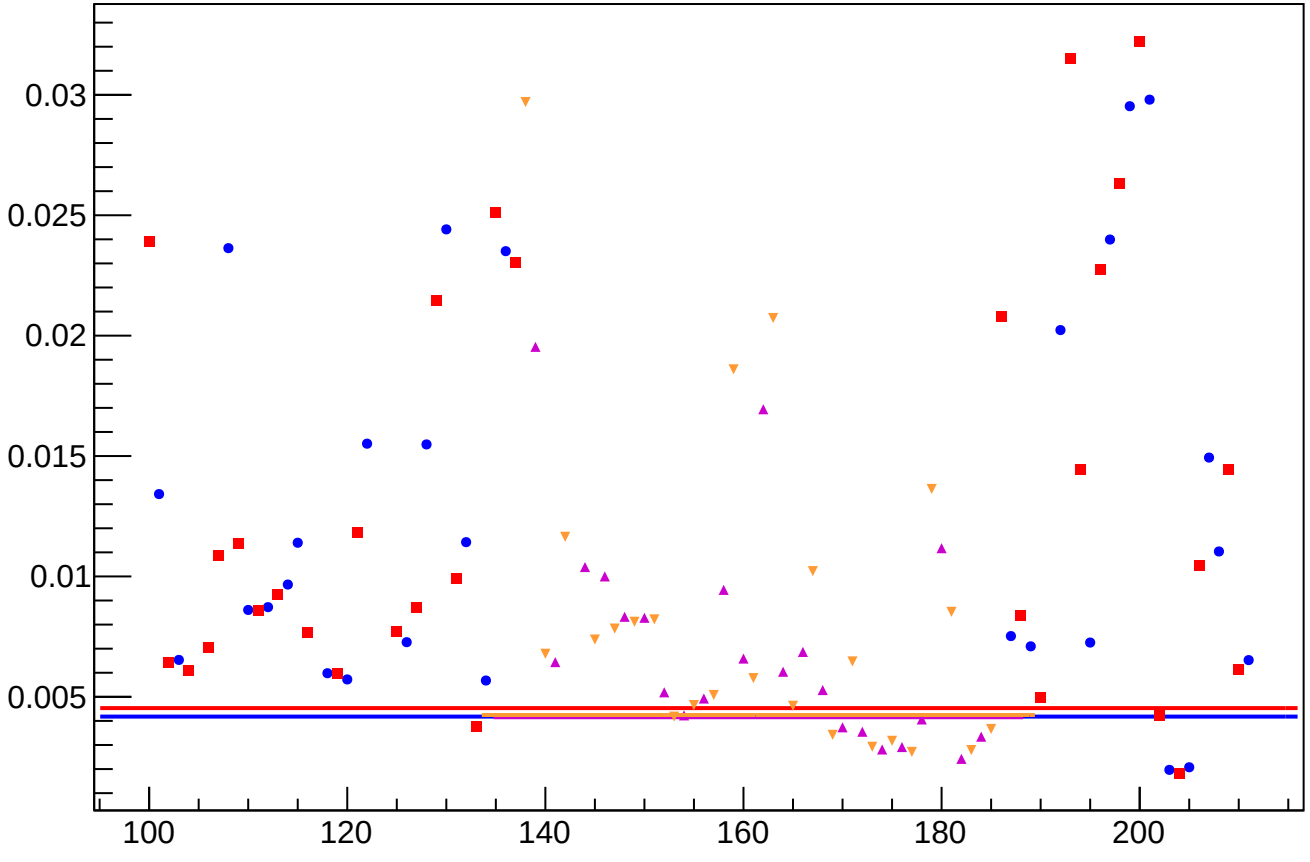
In: 78.704+/-0.011 χ^2/NDF:13304568.3/50

Out: 79.194+/-0.011 χ^2/NDF:14405799.4/54

All: 78.948+/-0.008 χ^2/NDF: 27711338.0/105


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 42.4/27
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/30
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 86.5/58
In: 0.000+/-0.000 χ²/NDF:67.3/50
Out: -0.000+/-0.000 χ²/NDF:74.2/54
All: -0.000+/-0.000 χ²/NDF: 141.6/105

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: 15106139.2/27

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14862297.7/30

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

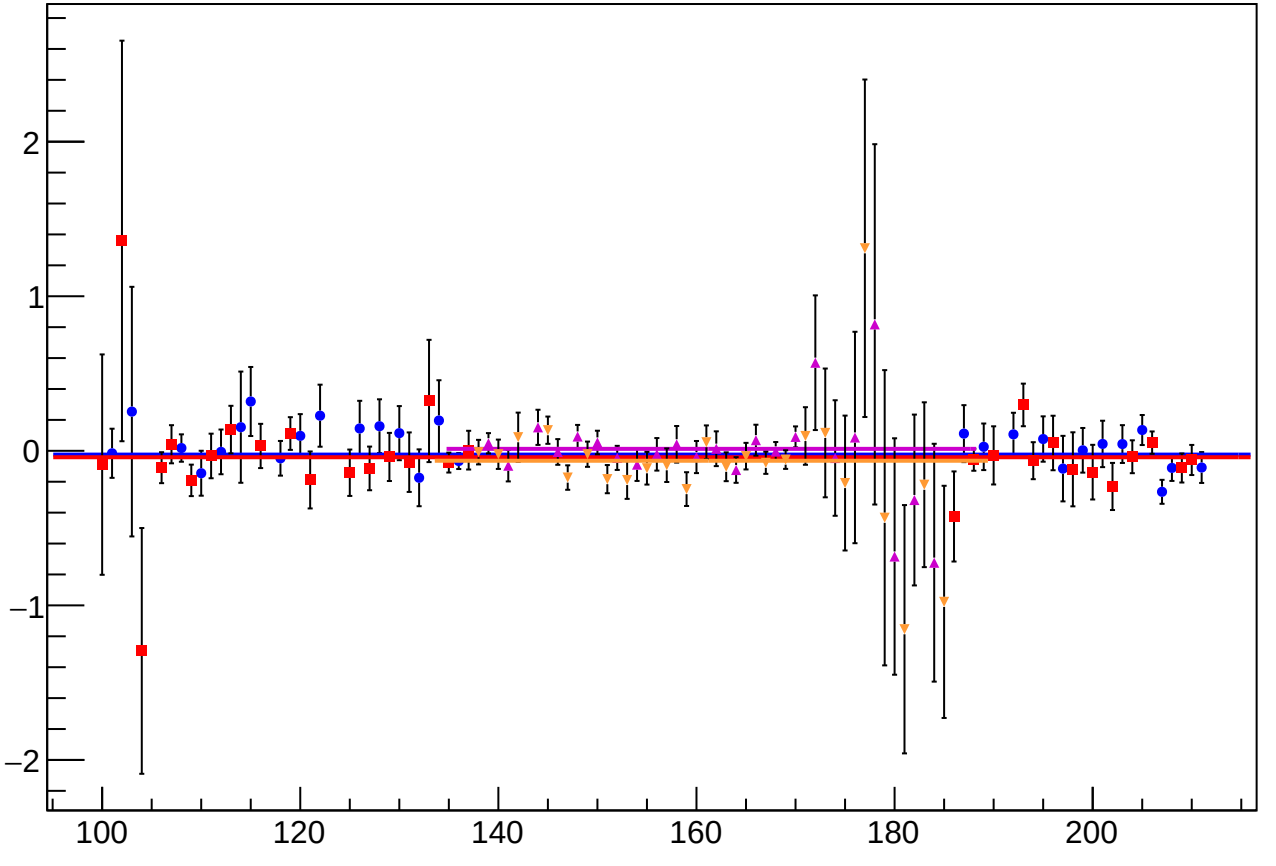
Right: 0.004+/-0.000 χ^2/NDF: 30023527.3/58

In: 0.004+/-0.000 χ^2/NDF:21992947.3/50

Out: 0.004+/-0.000 χ^2/NDF:23559172.1/54

All: 0.004+/-0.000 χ^2/NDF: 45593896.8/105

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

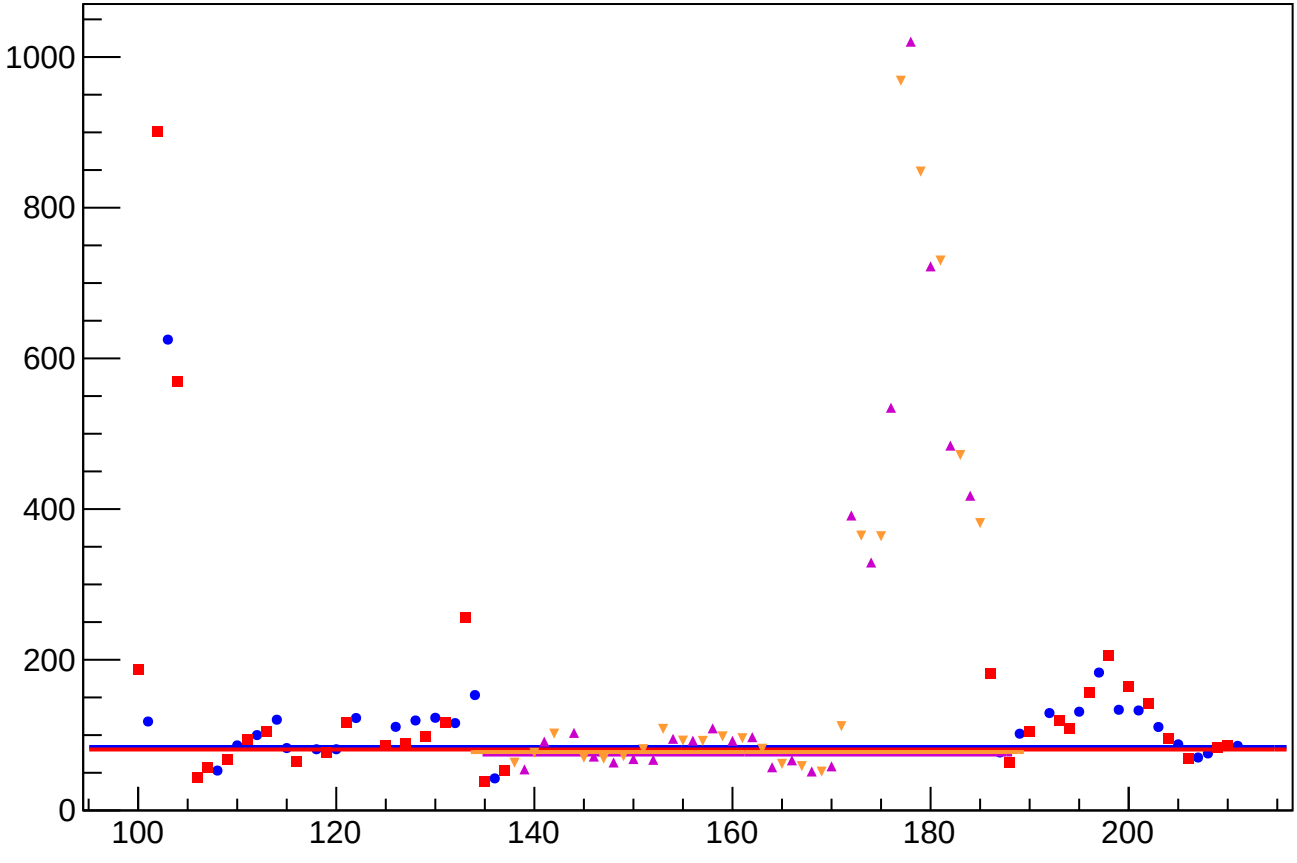
Right: -0.033+/-0.016 χ^2/NDF: 53.2/58

In: -0.004+/-0.016 χ^2/NDF:43.9/50

Out: -0.053+/-0.016 χ^2/NDF:48.3/54

All: -0.028+/-0.011 χ^2/NDF: 97.1/105

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.218+/-0.017 χ^2/NDF: 4586214.2/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.904+/-0.016 χ^2/NDF: 6053244.6/30

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

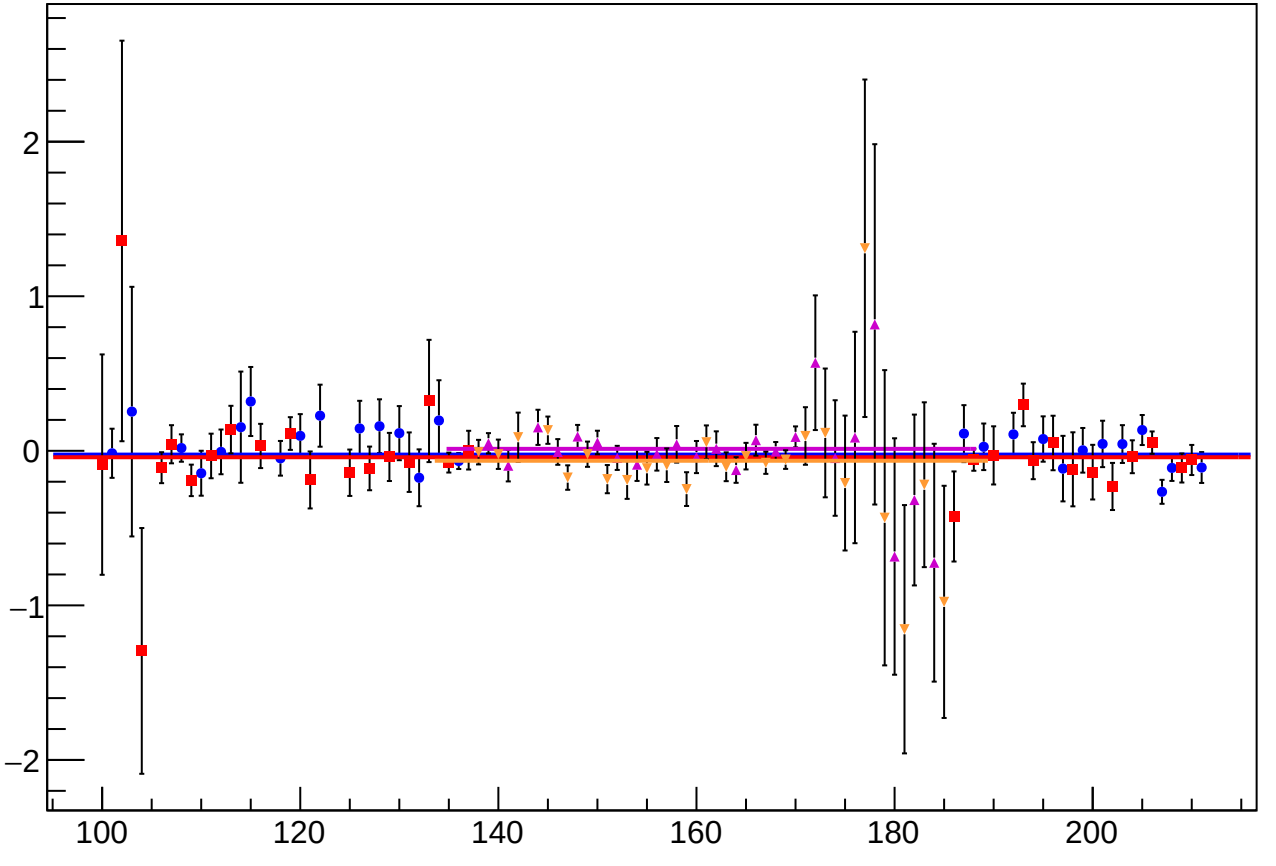
Right: 82.495+/-0.011 χ^2/NDF: 10660338.9/58

In: 78.711+/-0.011 χ^2/NDF:13301430.0/50

Out: 79.191+/-0.011 χ^2/NDF:14407228.7/54

All: 78.950+/-0.008 χ^2/NDF: 27709588.9/105

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.025+/-0.023 χ^2/NDF: 27.5/27

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.042+/-0.022 χ^2/NDF: 25.4/30

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

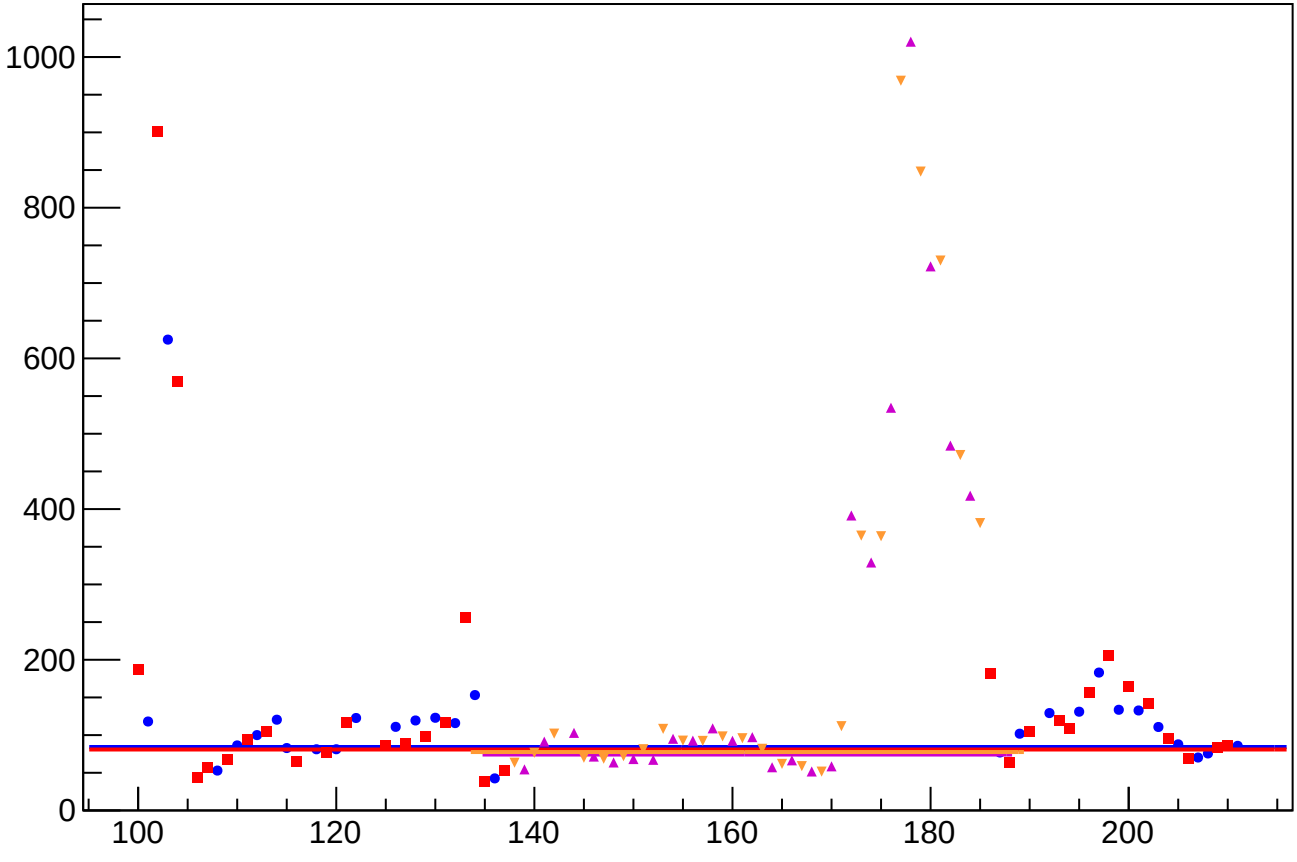
Right: -0.033+/-0.016 χ^2/NDF: 53.2/58

In: -0.004+/-0.016 χ^2/NDF:43.9/50

Out: -0.053+/-0.016 χ^2/NDF:48.3/54

All: -0.028+/-0.011 χ^2/NDF: 97.1/105

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.218+/-0.017 χ^2/NDF: 4586214.2/27

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.904+/-0.016 χ^2/NDF: 6053244.6/30

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

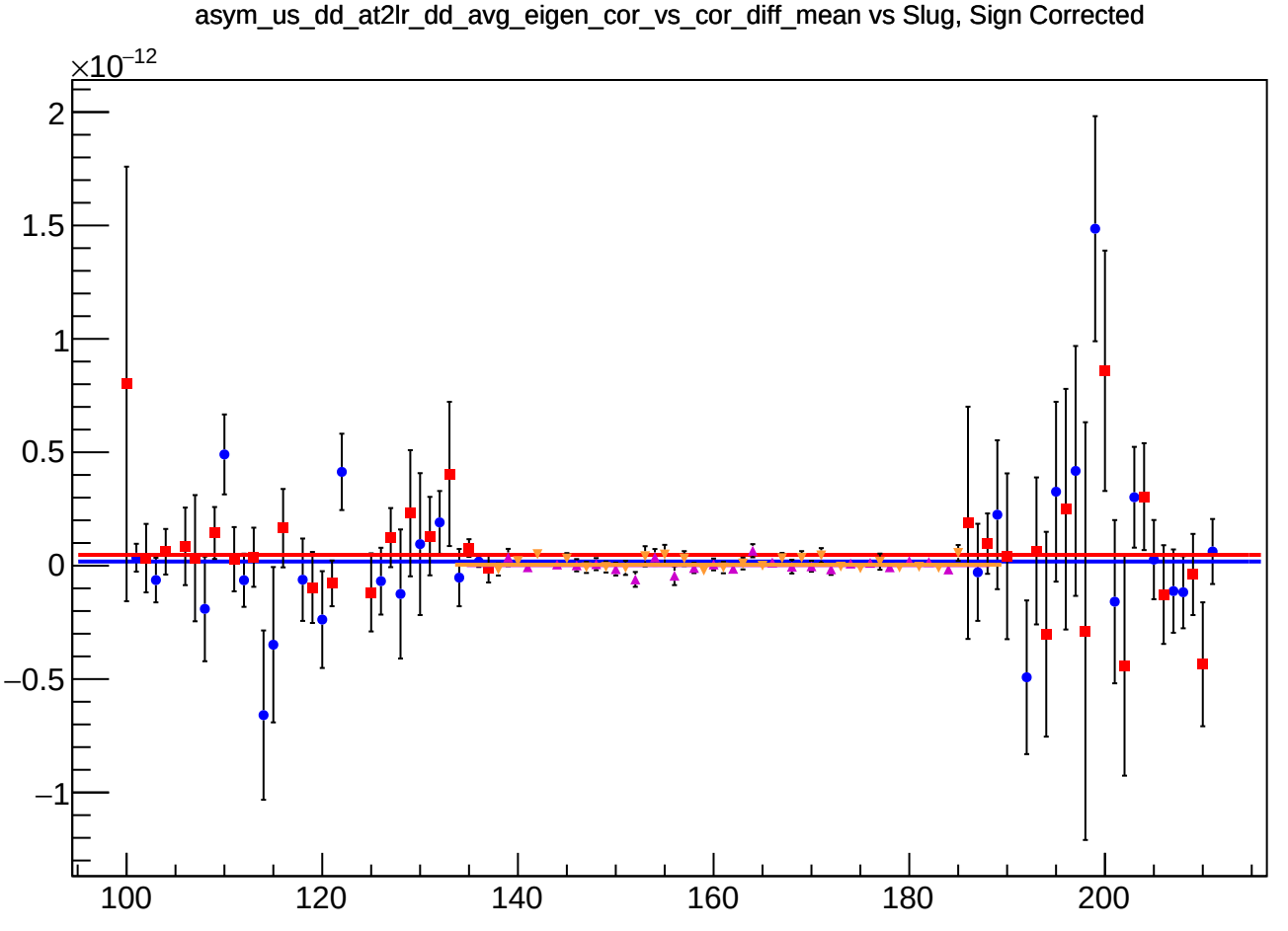
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 82.495+/-0.011 χ^2/NDF: 10660338.9/58

In: 78.711+/-0.011 χ^2/NDF:13301430.0/50

Out: 79.191+/-0.011 χ^2/NDF:14407228.7/54

All: 78.950+/-0.008 χ^2/NDF: 27709588.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

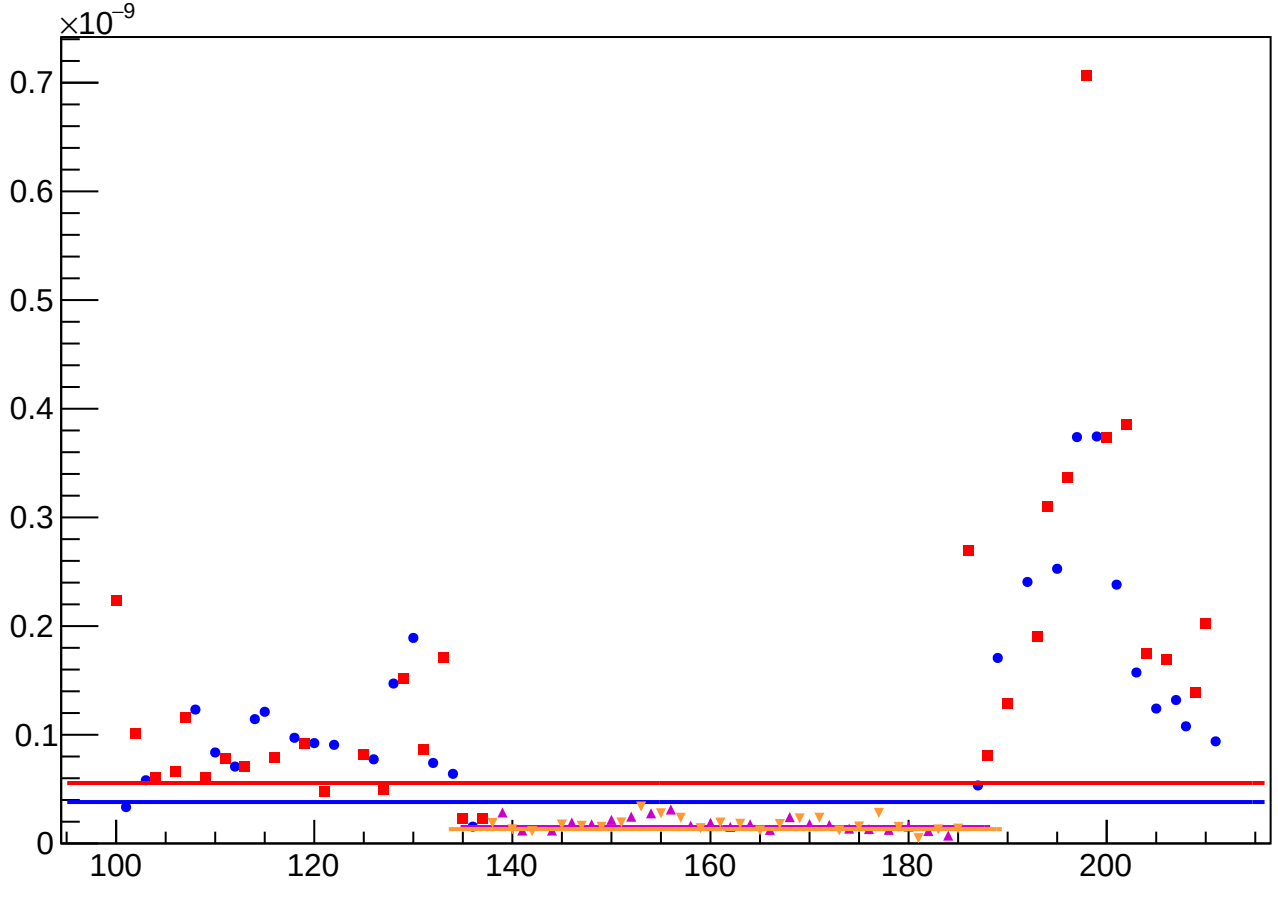
Right: 0.000+/-0.000 χ^2/NDF: 58.8/58

In: 0.000+/-0.000 χ^2/NDF:57.4/50

Out: 0.000+/-0.000 χ^2/NDF:43.6/54

All: 0.000+/-0.000 χ^2/NDF: 101.2/105

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: 10636603.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9957733.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

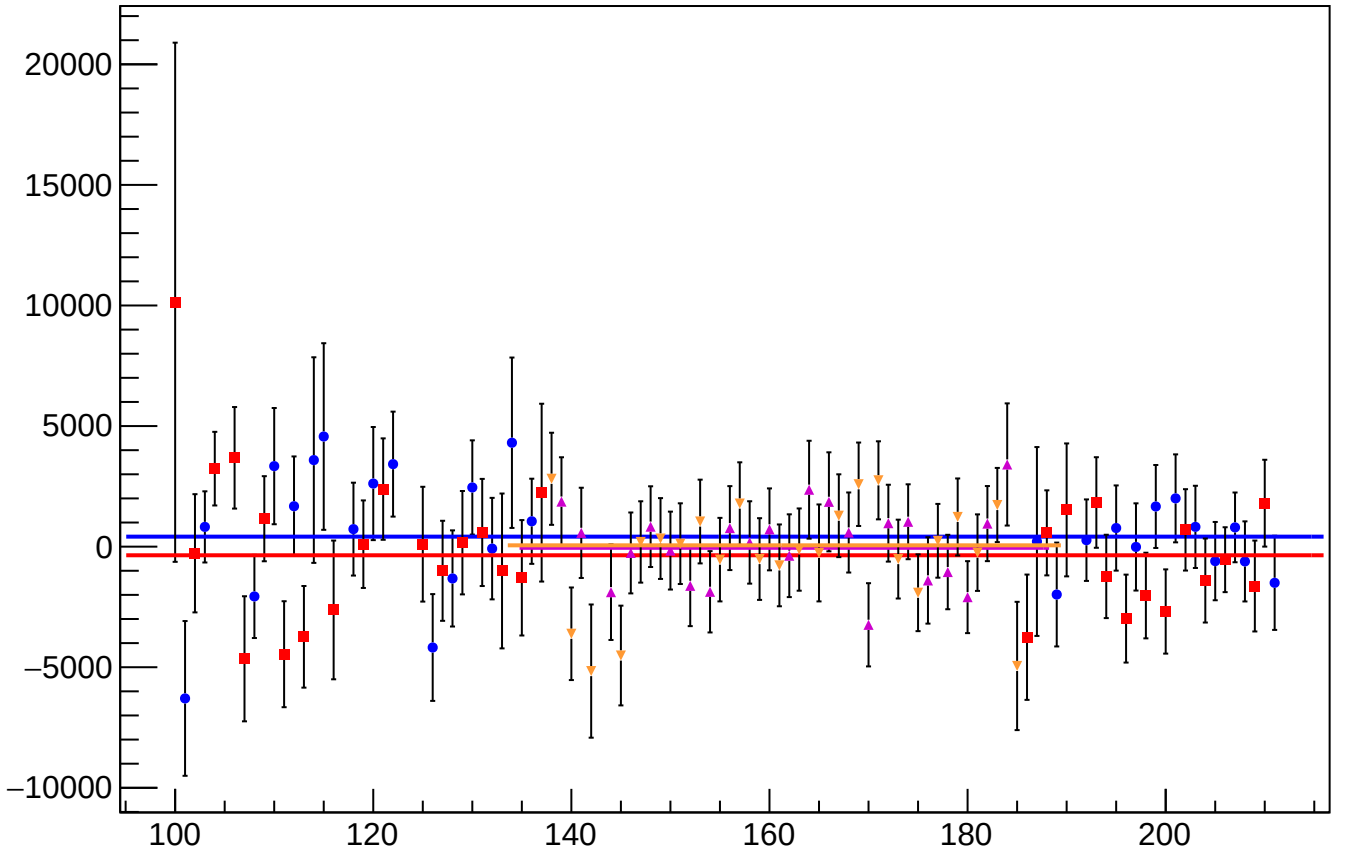
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

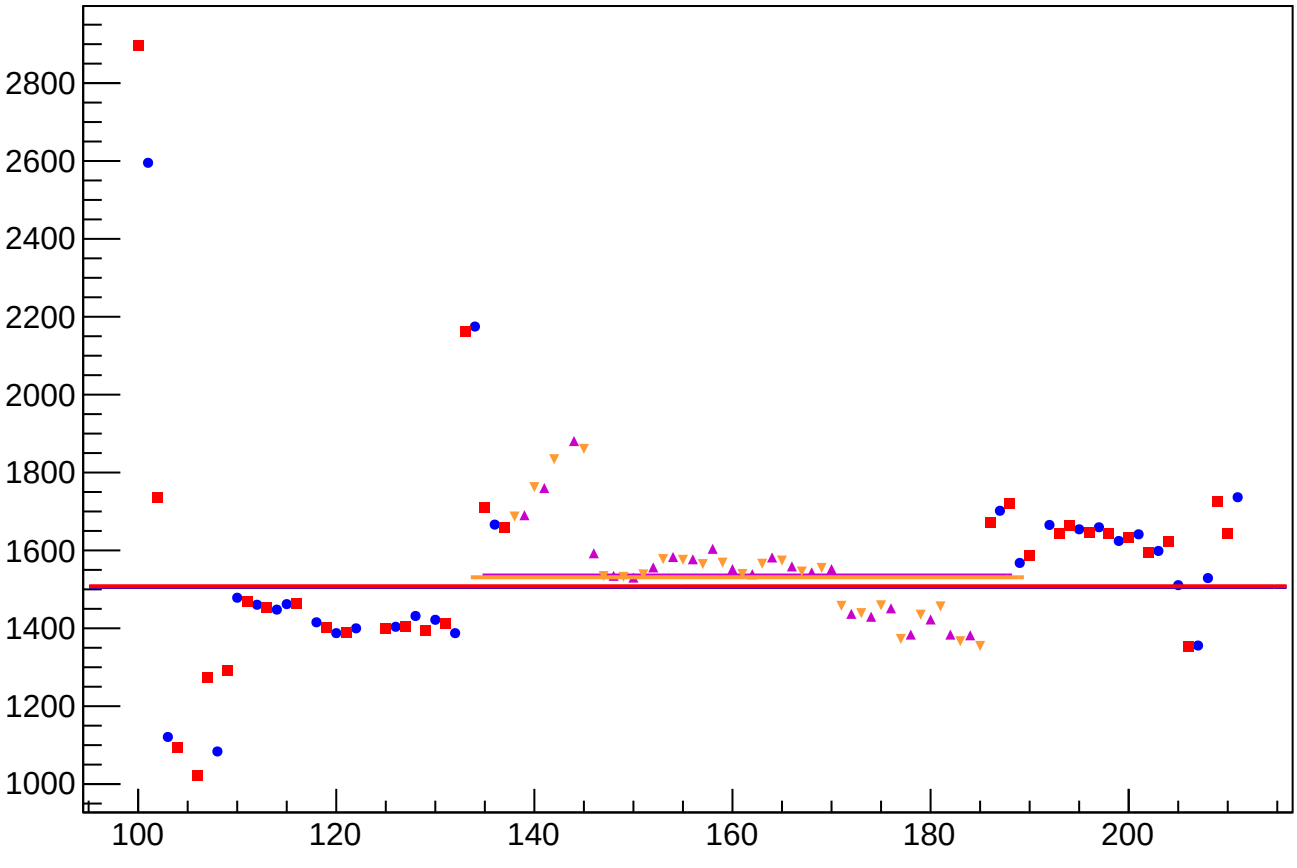
Right: 0.000+/-0.000 χ^2/NDF: 21277966.7/58

In: 0.000+/-0.000 χ^2/NDF:15673235.7/50

Out: 0.000+/-0.000 χ^2/NDF:20478876.0/54

All: 0.000+/-0.000 χ^2/NDF: 36337101.5/105


reg_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: 414.839+/-373.940 χ²/NDF: 24.9/27
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -357.720+/-364.021 χ²/NDF: 34.6/30
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 18.177+/-260.838 χ²/NDF: 61.8/58
In: 174.239+/-259.171 χ²/NDF:42.5/50
Out: -147.097+/-254.655 χ²/NDF:63.8/54
All: 10.747+/-181.644 χ²/NDF: 107.0/105



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.6/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1507.904+/-0.257 χ^2/NDF: 663260.1/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

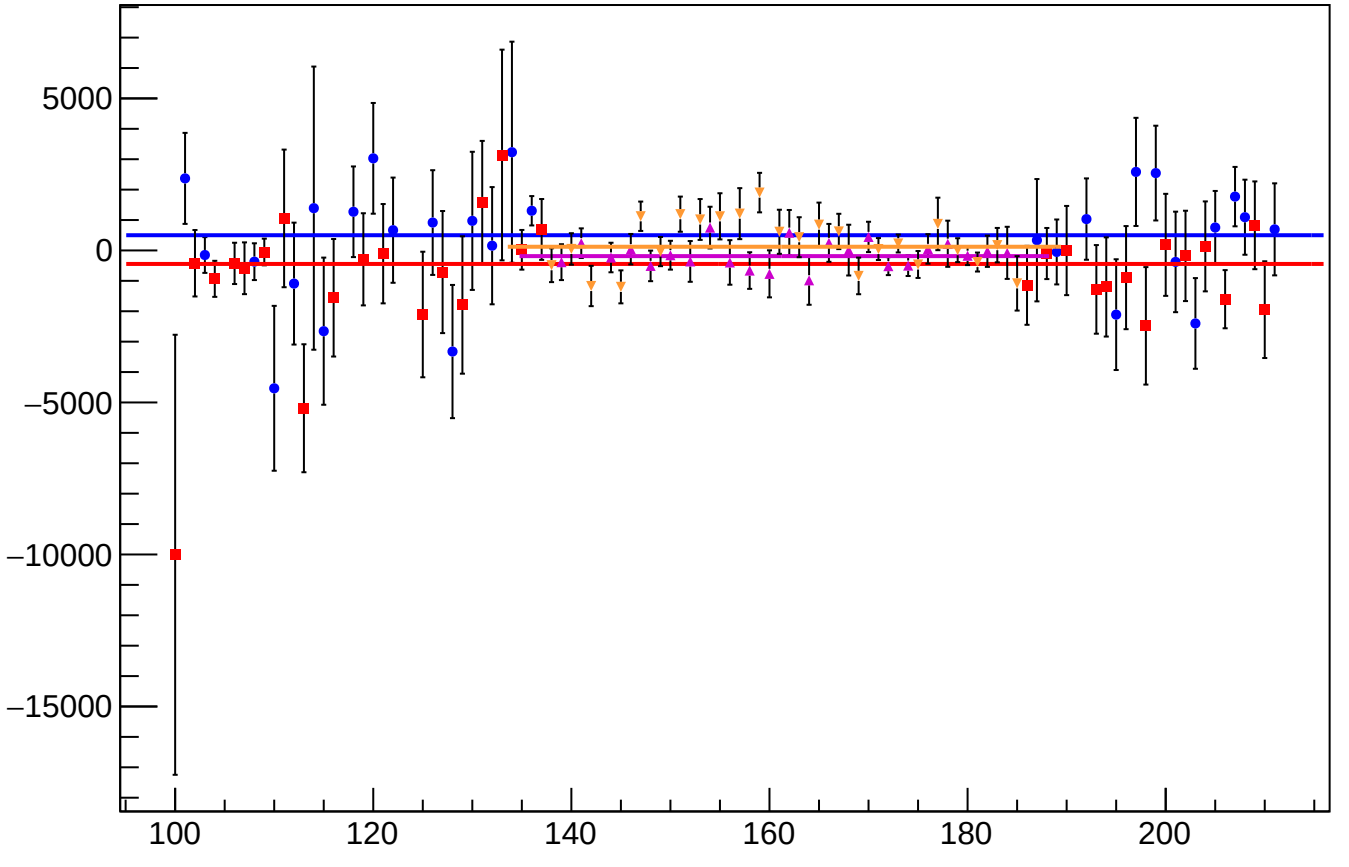
Right: 1507.075+/-0.184 χ^2/NDF: 1400535.0/58

In: 1521.452+/-0.183 χ^2/NDF:936089.2/50

Out: 1519.685+/-0.180 χ^2/NDF:870902.3/54

All: 1520.553+/-0.128 χ^2/NDF: 1807038.8/10

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 500.480+/-226.474 χ^2/NDF: 31.0/27

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -444.317+/-198.143 χ^2/NDF: 19.8/30

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

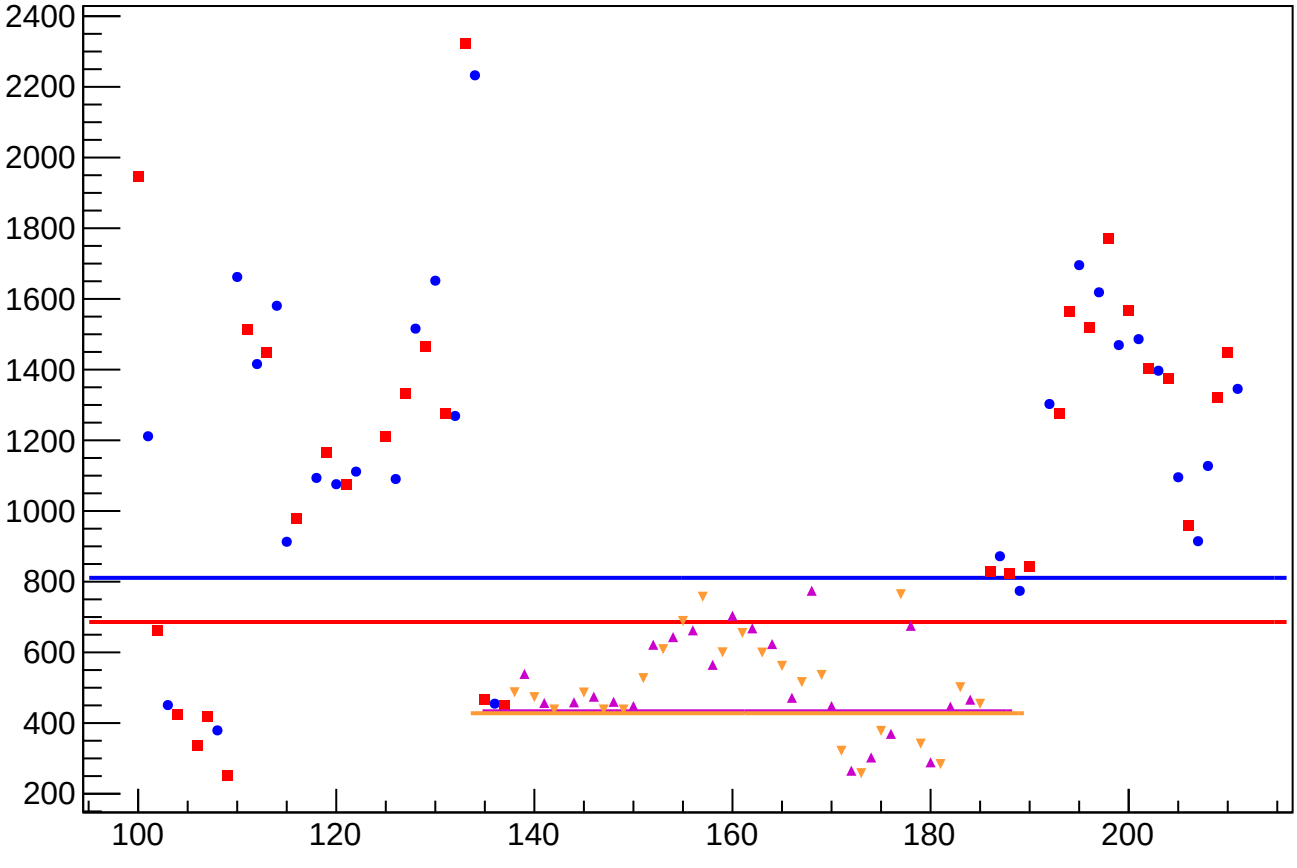
Right: -34.678+/-149.125 χ^2/NDF: 60.7/58

In: -61.452+/-96.728 χ^2/NDF:50.2/50

Out: -2.800+/-92.819 χ^2/NDF:69.8/54

All: -30.917+/-66.972 χ^2/NDF: 120.2/105

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 810.881+/-0.160 χ^2/NDF: 7238800.8/27

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 685.932+/-0.140 χ^2/NDF: 10156134.9/30

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

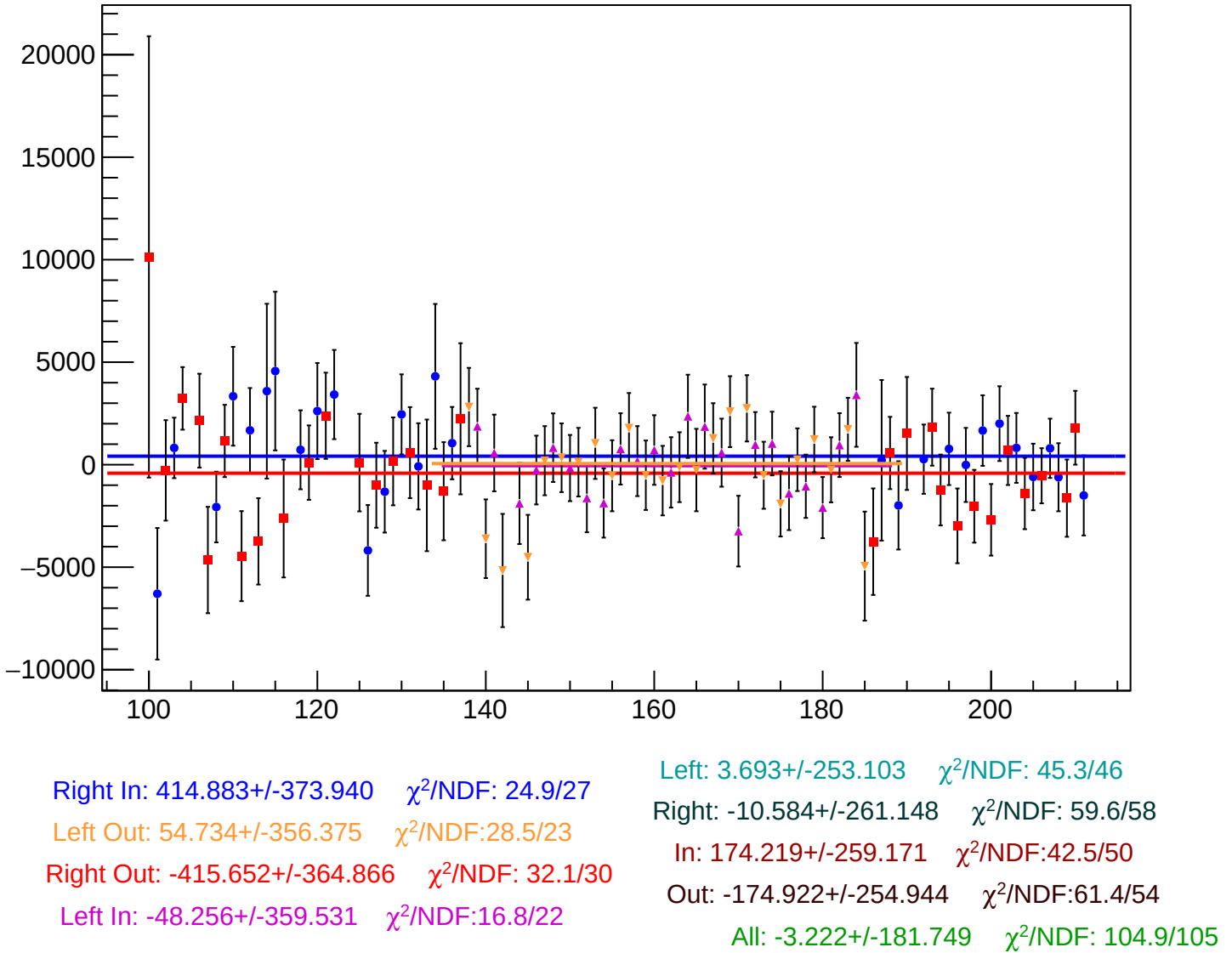
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

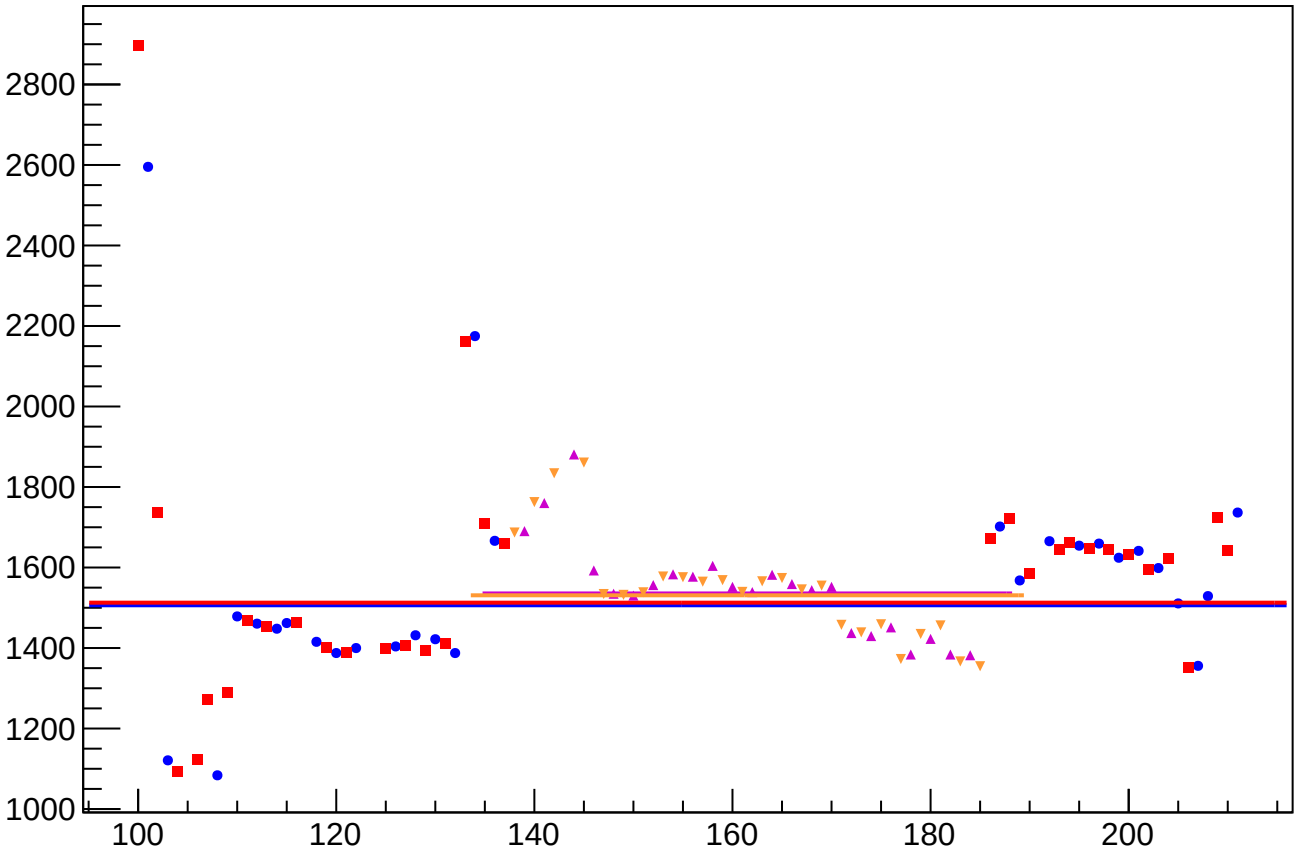
Right: 740.106+/-0.105 χ^2/NDF: 17739761.8/58

In: 502.163+/-0.068 χ^2/NDF:15032318.1/50

Out: 484.456+/-0.066 χ^2/NDF:15993491.9/54

All: 492.945+/-0.047 χ^2/NDF: 31060701.3/10


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: 414.883+/-373.940 χ²/NDF: 24.9/27
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -415.652+/-364.866 χ²/NDF: 32.1/30
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -10.584+/-261.148 χ²/NDF: 59.6/58
In: 174.219+/-259.171 χ²/NDF:42.5/50
Out: -174.922+/-254.944 χ²/NDF:61.4/54
All: -3.222+/-181.749 χ²/NDF: 104.9/105



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.9/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1512.676+/-0.258 χ^2/NDF: 613539.2/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

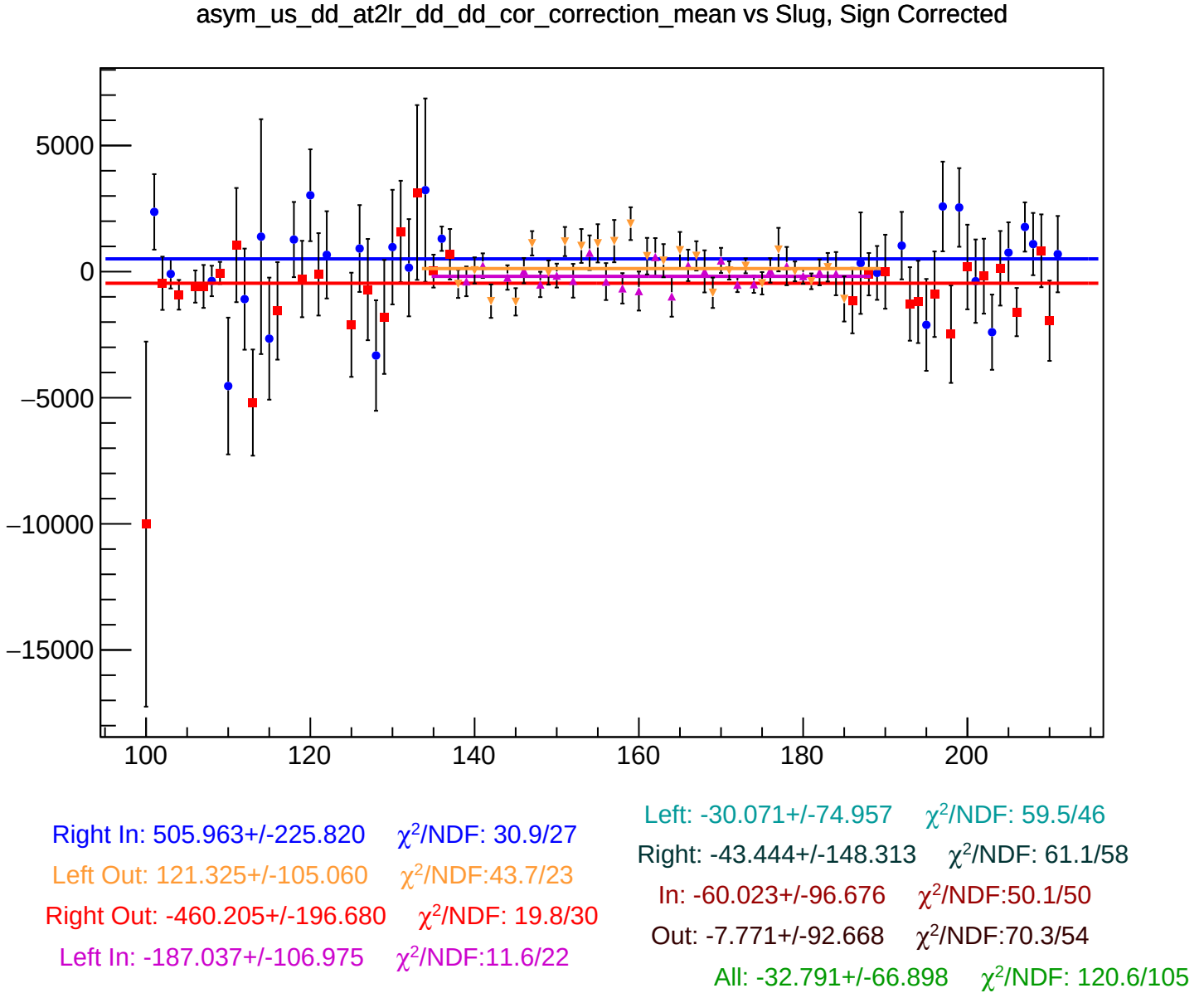
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1509.517+/-0.185 χ^2/NDF: 1351100.4/58

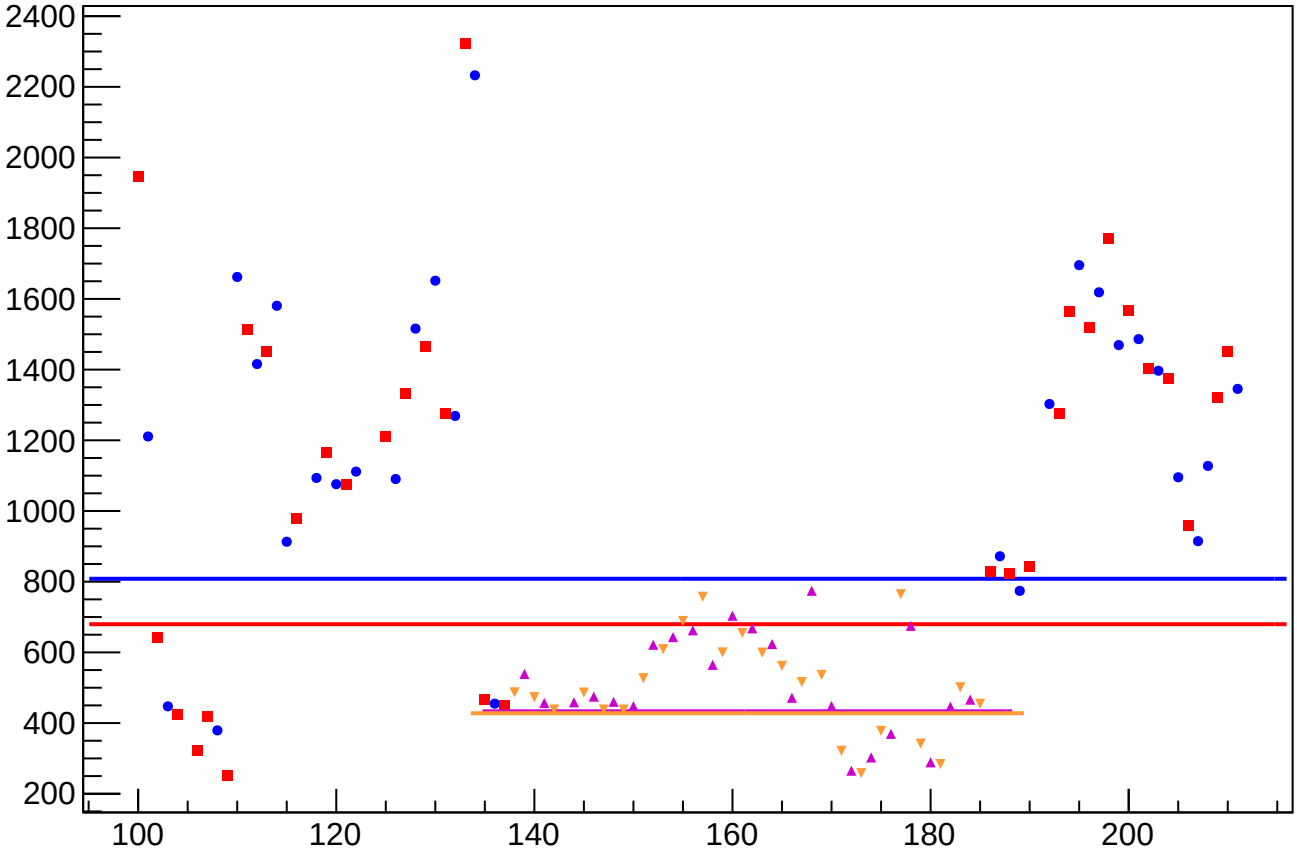
In: 1521.452+/-0.183 χ^2/NDF:936089.5/50

Out: 1522.041+/-0.180 χ^2/NDF:819653.8/54

All: 1521.751+/-0.129 χ^2/NDF: 1755748.6/10


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 505.963+/-225.820 χ²/NDF: 30.9/27
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -460.205+/-196.680 χ²/NDF: 19.8/30
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -43.444+/-148.313 χ²/NDF: 61.1/58
In: -60.023+/-96.676 χ²/NDF:50.1/50
Out: -7.771+/-92.668 χ²/NDF:70.3/54
All: -32.791+/-66.898 χ²/NDF: 120.6/105

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 808.258+/-0.160 χ^2/NDF: 7282967.1/27

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 679.694+/-0.139 χ^2/NDF: 10276964.7/30

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

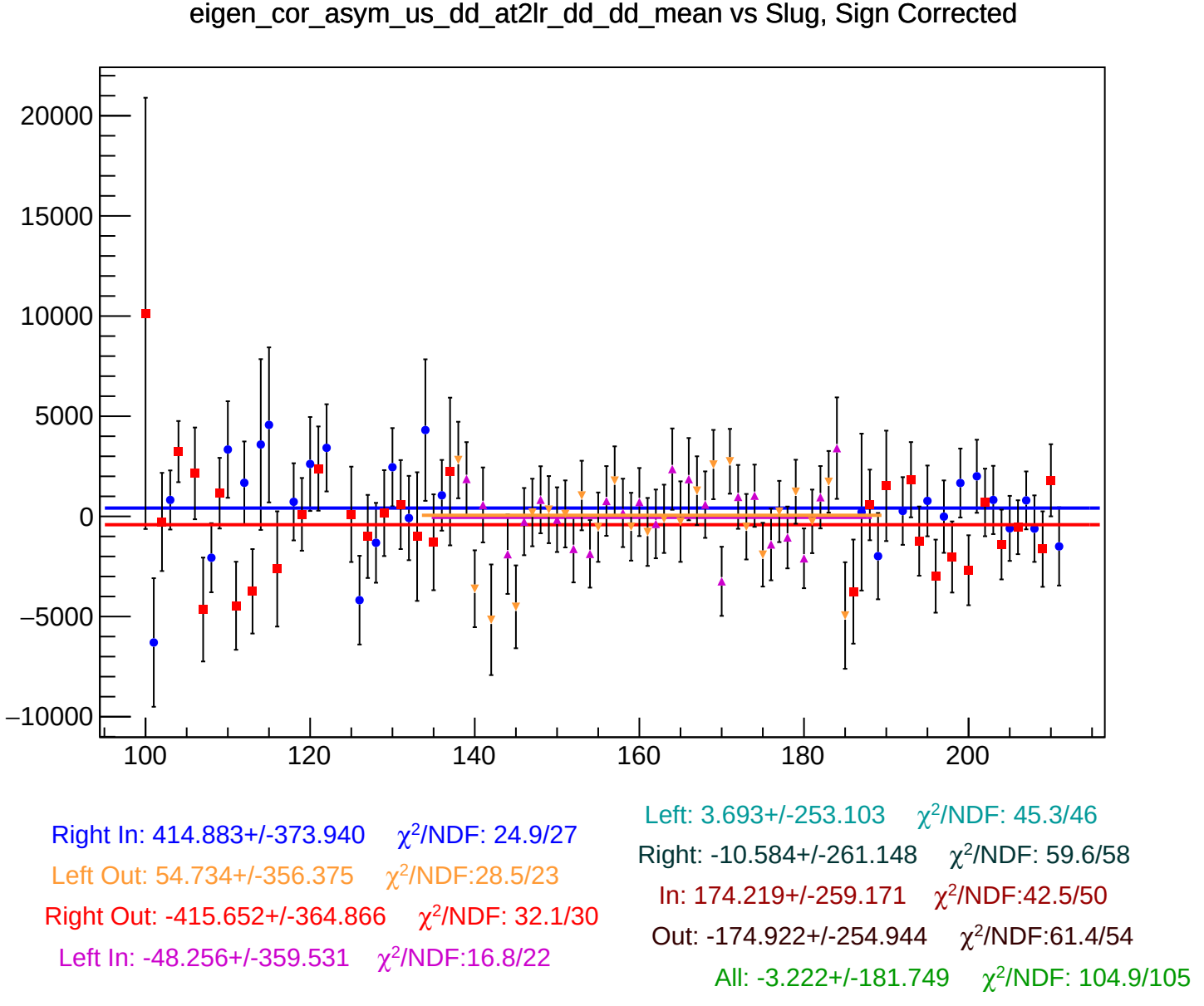
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

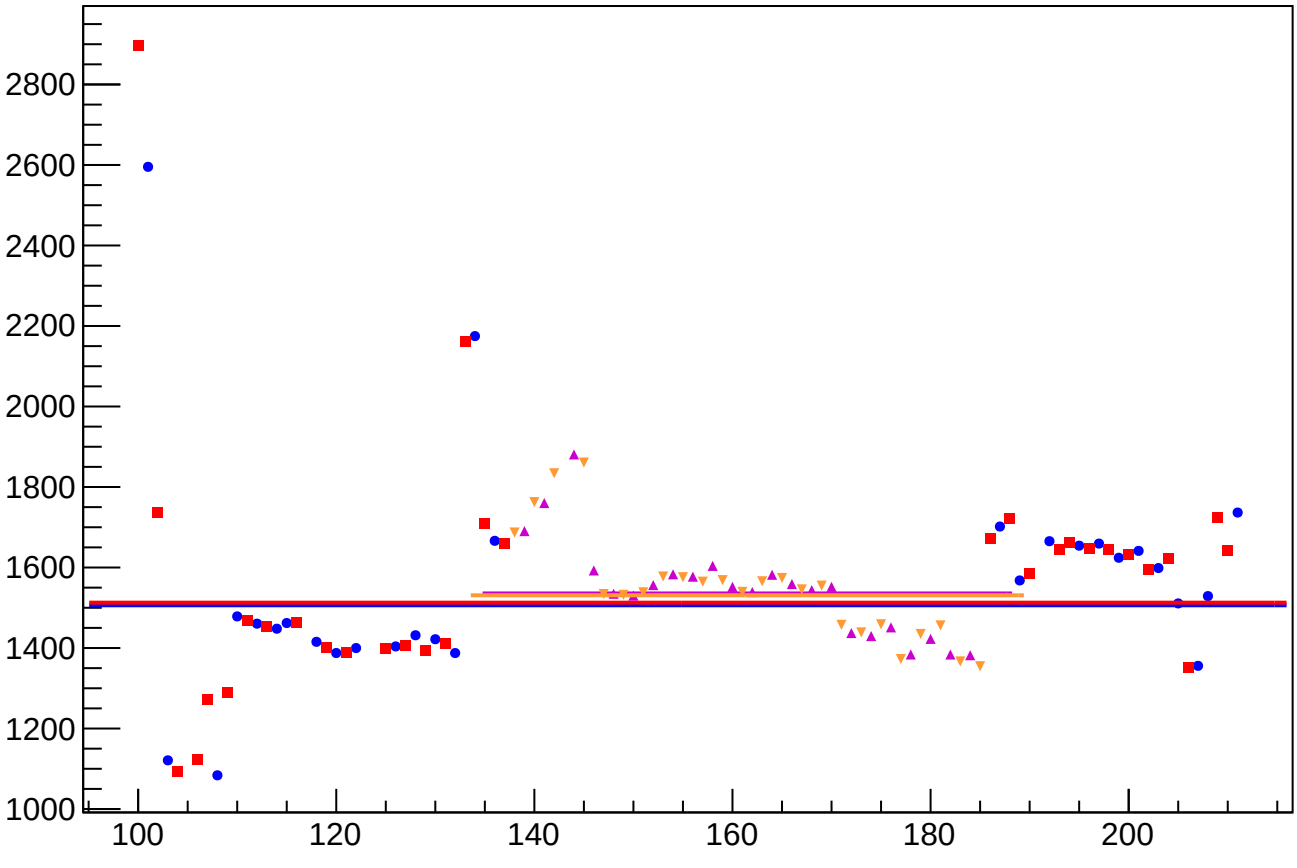
Right: 735.150+/-0.105 χ^2/NDF: 17928556.6/58

In: 502.010+/-0.068 χ^2/NDF:15034621.7/50

Out: 483.730+/-0.066 χ^2/NDF:16017363.2/54

All: 492.483+/-0.047 χ^2/NDF: 31089252.0/10


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: 414.883+/-373.940 χ²/NDF: 24.9/27
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -415.652+/-364.866 χ²/NDF: 32.1/30
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -10.584+/-261.148 χ²/NDF: 59.6/58
In: 174.219+/-259.171 χ²/NDF:42.5/50
Out: -174.922+/-254.944 χ²/NDF:61.4/54
All: -3.222+/-181.749 χ²/NDF: 104.9/105



Right In: 1506.200+/-0.264 χ^2/NDF: 737253.9/27

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1512.676+/-0.258 χ^2/NDF: 613539.2/30

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

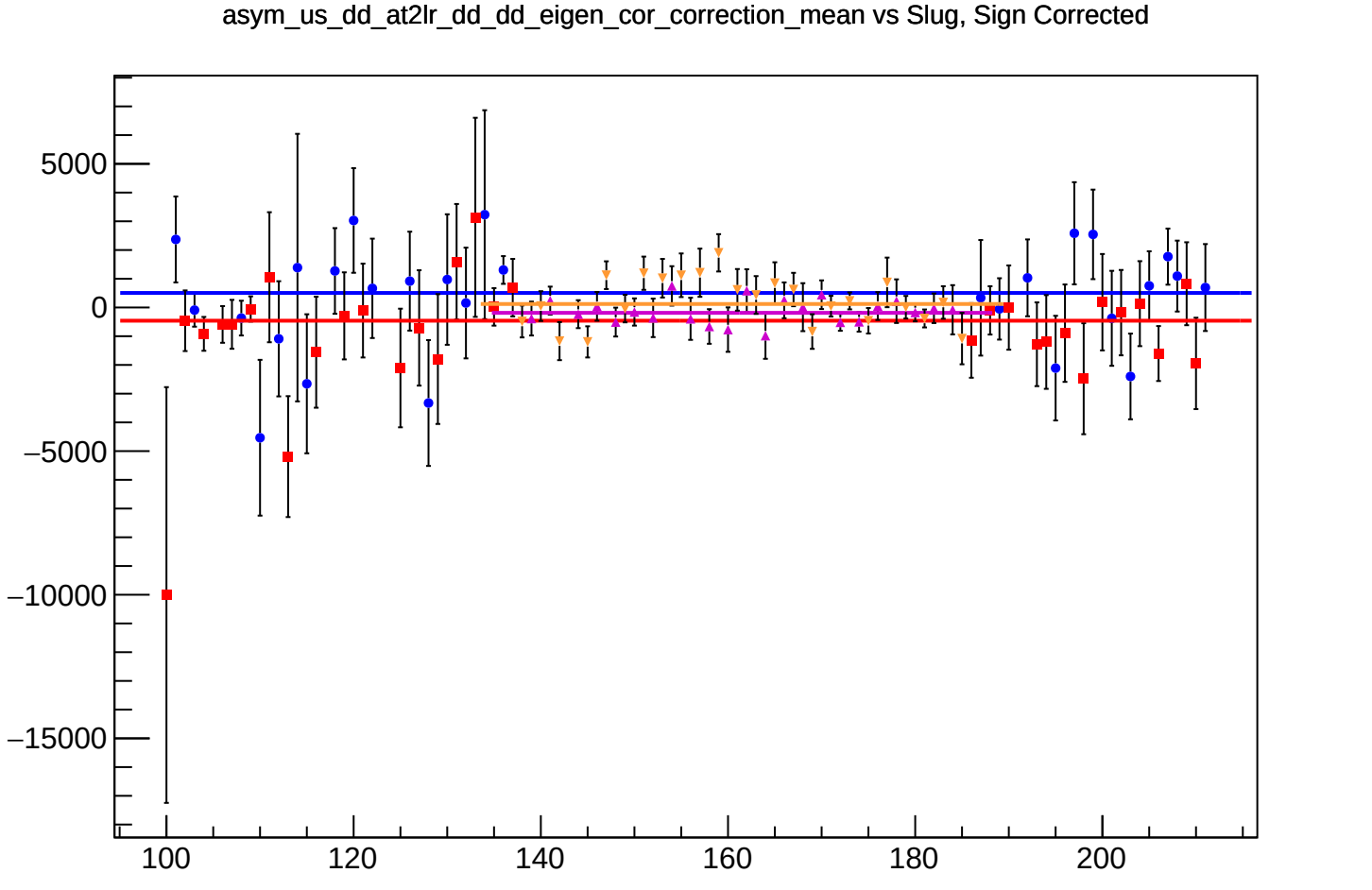
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1509.517+/-0.185 χ^2/NDF: 1351100.4/58

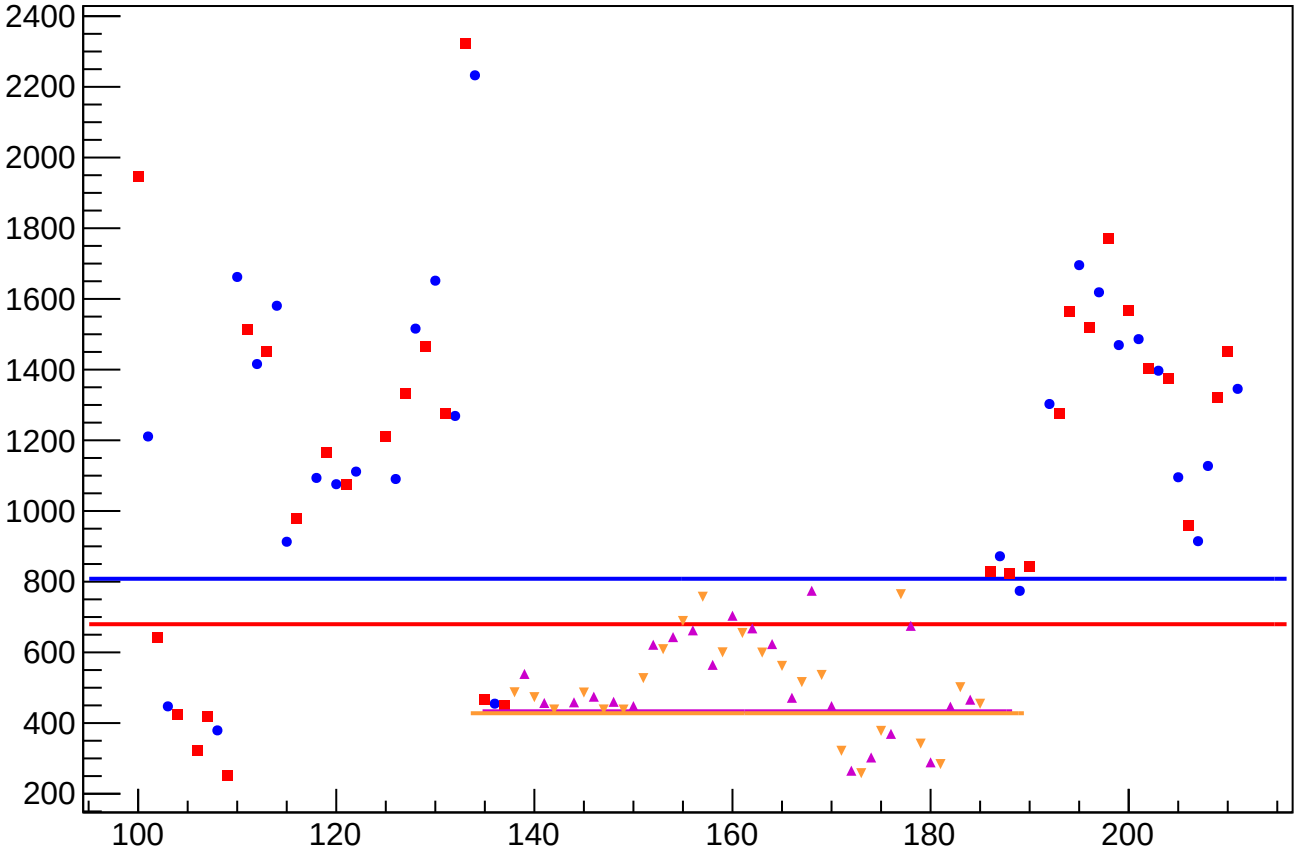
In: 1521.452+/-0.183 χ^2/NDF:936089.5/50

Out: 1522.041+/-0.180 χ^2/NDF:819653.8/54

All: 1521.751+/-0.129 χ^2/NDF: 1755748.6/10


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 505.963+/-225.820 χ²/NDF: 30.9/27
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -460.205+/-196.680 χ²/NDF: 19.8/30
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -43.444+/-148.313 χ²/NDF: 61.1/58
In: -60.023+/-96.676 χ²/NDF:50.1/50
Out: -7.771+/-92.668 χ²/NDF:70.3/54
All: -32.791+/-66.898 χ²/NDF: 120.6/105

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 808.258+/-0.160 χ^2/NDF: 7282967.1/27

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 679.694+/-0.139 χ^2/NDF: 10276964.7/30

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

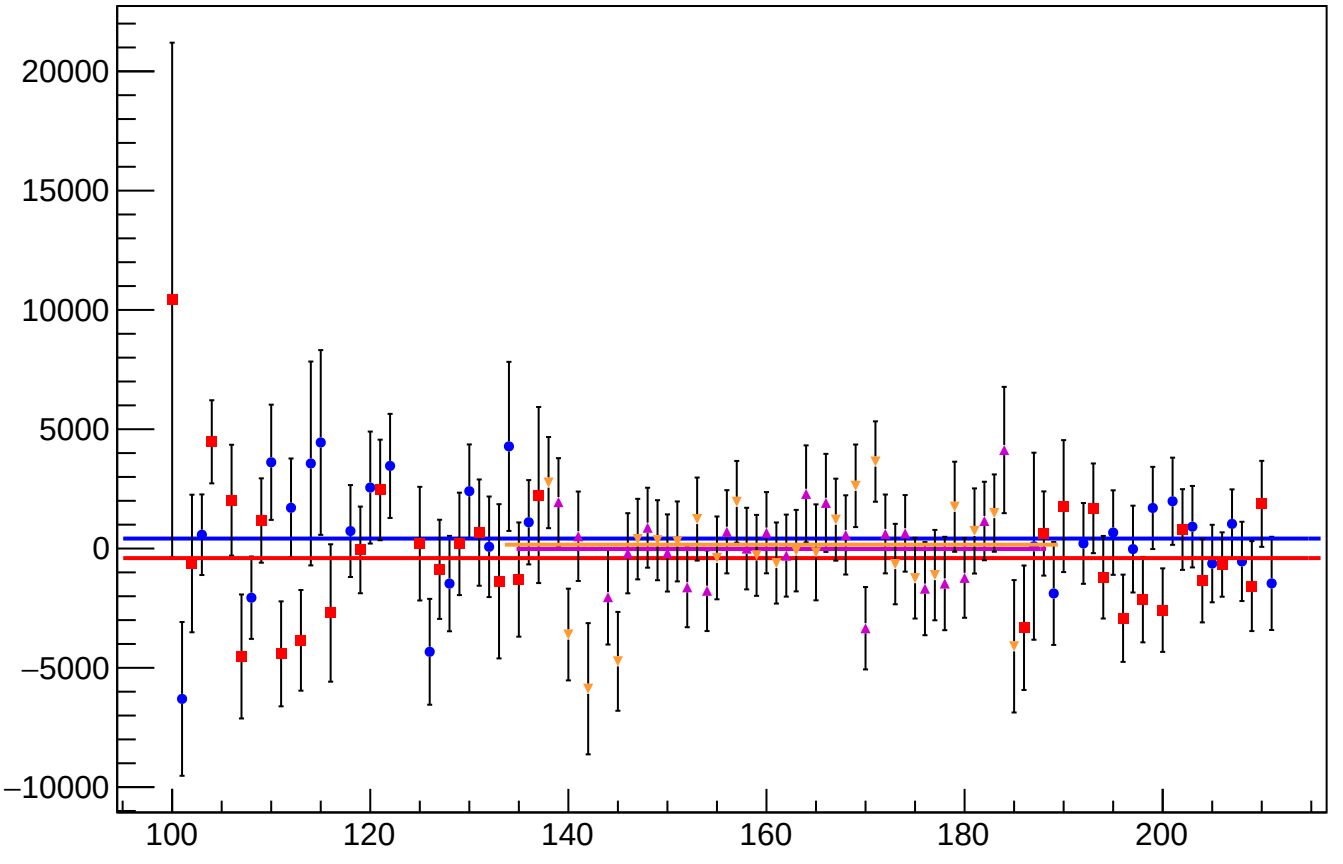
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 735.150+/-0.105 χ^2/NDF: 17928556.6/58

In: 502.010+/-0.068 χ^2/NDF:15034621.7/50

Out: 483.730+/-0.066 χ^2/NDF:16017363.2/54

All: 492.483+/-0.047 χ^2/NDF: 31089252.0/10



Right In: 417.774+/-377.419 χ^2/NDF: 25.3/27

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -401.426+/-369.301 χ^2/NDF: 33.8/30

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

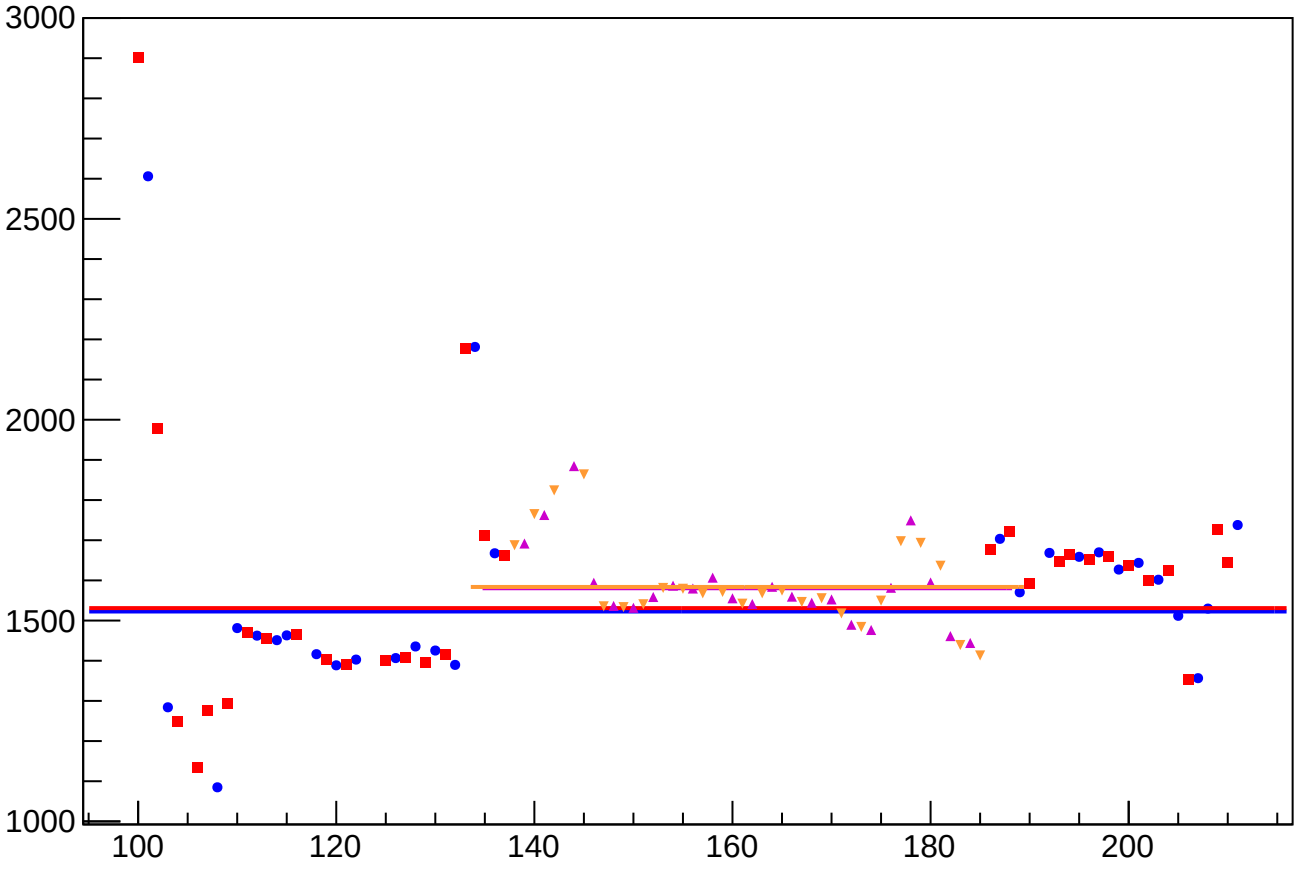
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -0.732+/-263.958 χ^2/NDF: 61.5/58

In: 194.284+/-264.134 χ^2/NDF:42.0/50

Out: -119.204+/-260.804 χ^2/NDF:64.9/54

All: 35.551+/-185.582 χ^2/NDF: 107.6/105



Right In: 1522.583+/-0.267 χ^2/NDF: 637356.3/27

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1530.996+/-0.261 χ^2/NDF: 540794.6/30

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

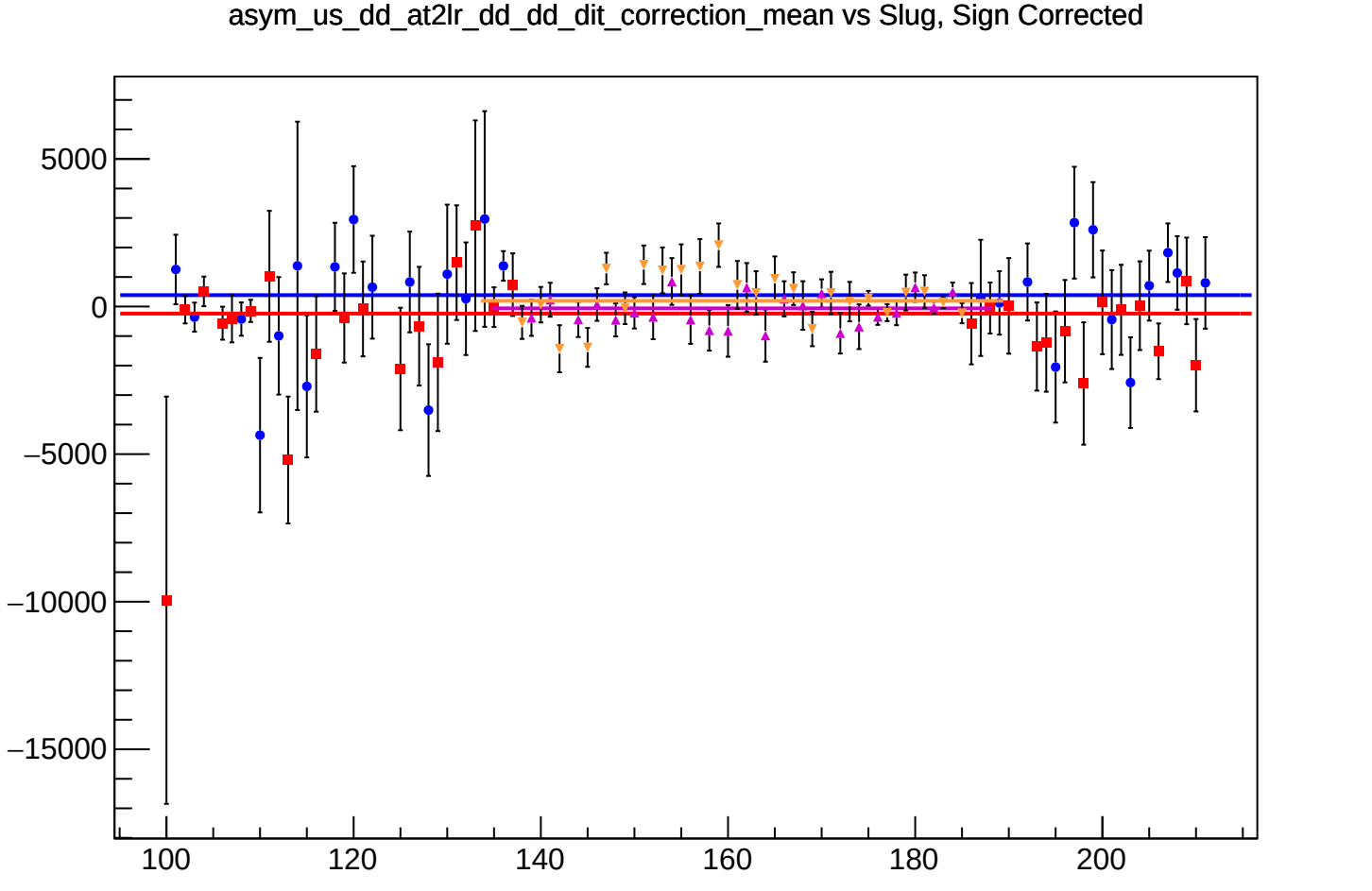
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1526.881+/-0.187 χ^2/NDF: 1178658.6/58

In: 1552.115+/-0.187 χ^2/NDF:787102.2/50

Out: 1557.401+/-0.184 χ^2/NDF:694775.2/54

All: 1554.792+/-0.131 χ^2/NDF: 1482283.0/10



Right In: 385.683+/-218.452 χ^2/NDF: 32.4/27

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -239.071+/-174.425 χ^2/NDF: 20.9/30

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

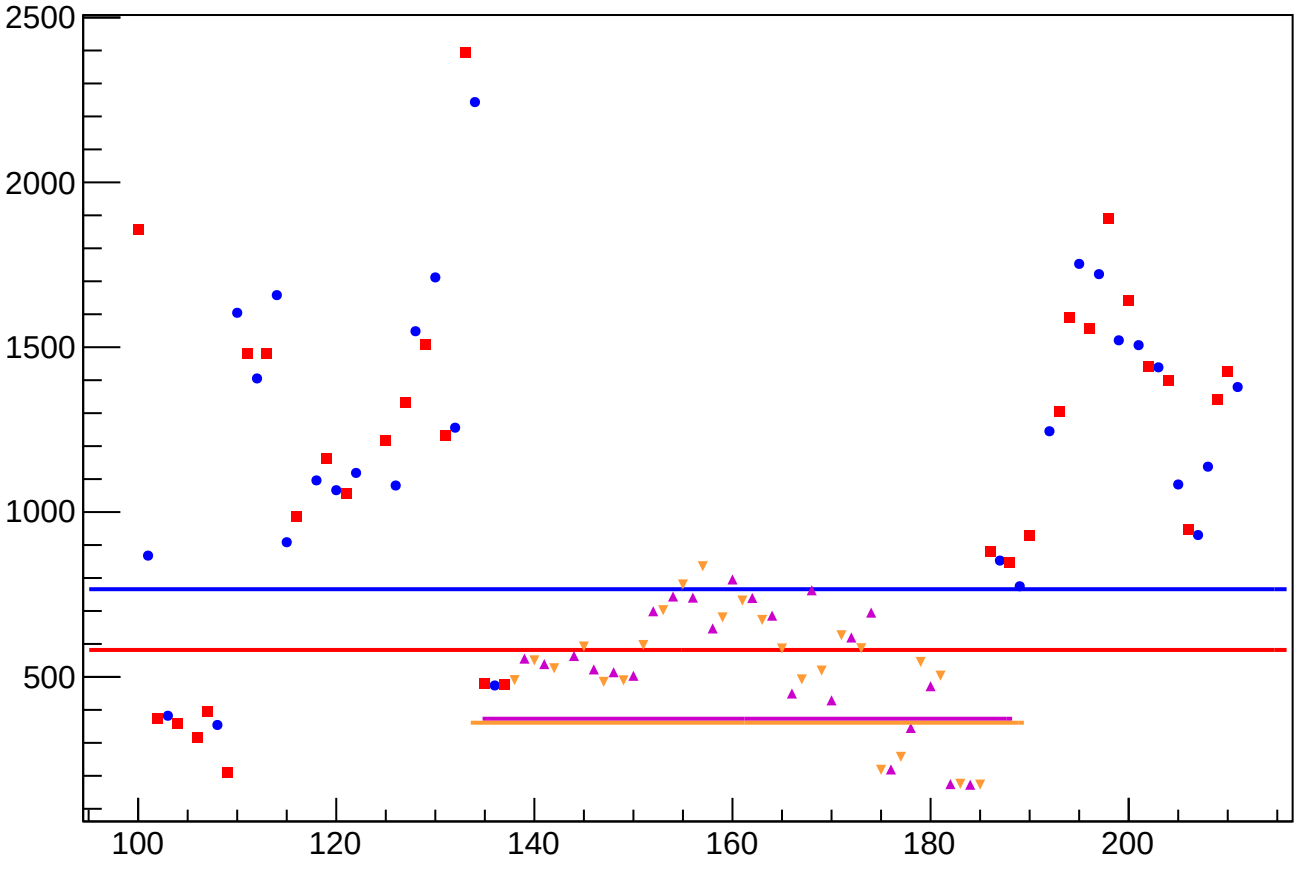
Right: 4.162+/-136.305 χ^2/NDF: 58.3/58

In: 15.046+/-90.713 χ^2/NDF:52.9/50

Out: 92.953+/-84.032 χ^2/NDF:65.7/54

All: 56.974+/-61.646 χ^2/NDF: 119.0/105

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 766.024+/-0.154 χ^2/NDF: 8024030.9/27

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 581.805+/-0.123 χ^2/NDF: 12561728.6/30

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

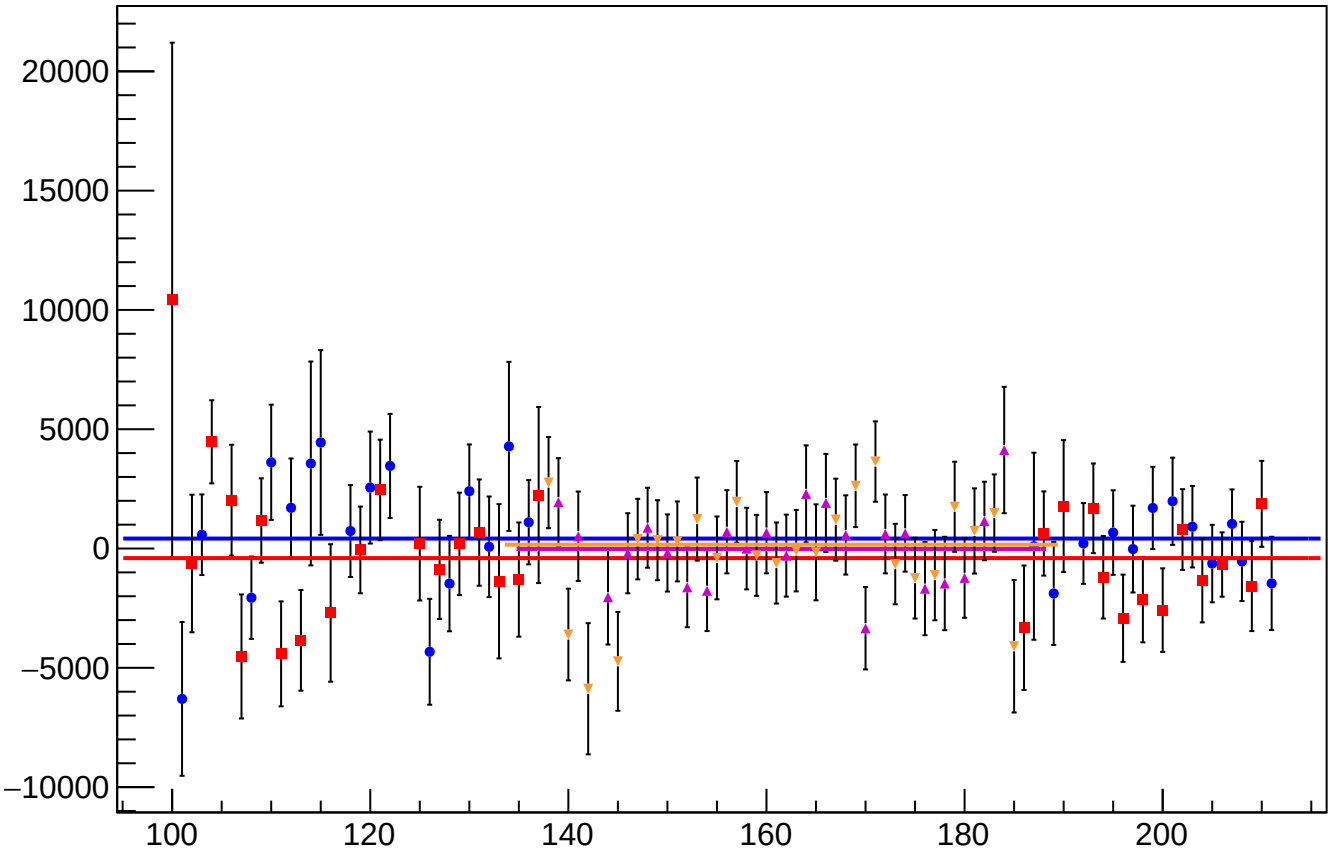
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 653.527+/-0.096 χ^2/NDF: 21454313.5/58

In: 440.888+/-0.064 χ^2/NDF:21585034.9/50

Out: 412.325+/-0.059 χ^2/NDF:23203791.2/54

All: 425.516+/-0.044 χ^2/NDF: 44895541.4/10



Right In: 417.770+/-377.419 χ^2/NDF: 25.3/27

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -401.423+/-369.300 χ^2/NDF: 33.8/30

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

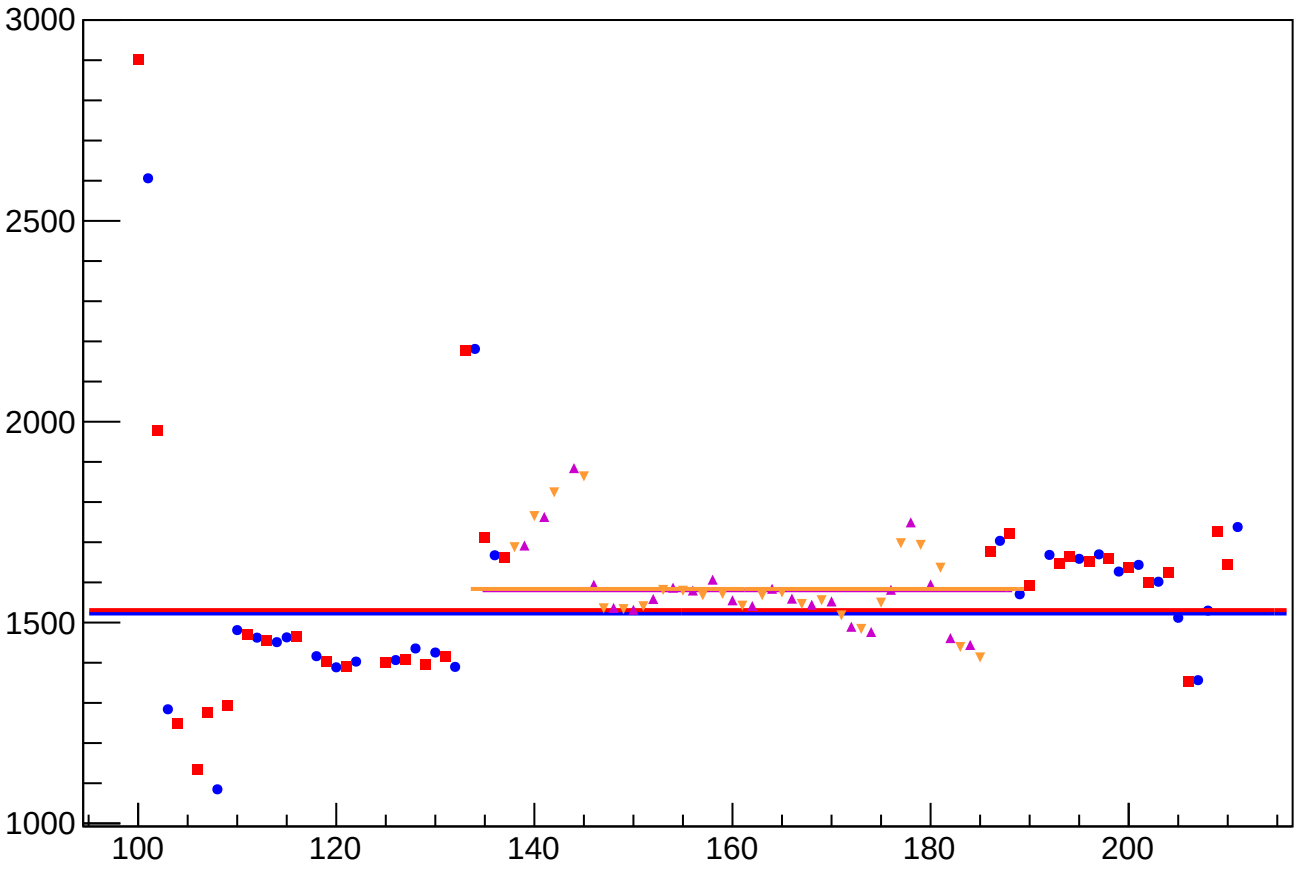
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: -0.732+/-263.958 χ^2/NDF: 61.5/58

In: 194.283+/-264.134 χ^2/NDF:42.0/50

Out: -119.205+/-260.804 χ^2/NDF:64.9/54

All: 35.551+/-185.582 χ^2/NDF: 107.6/105



Right In: 1522.583+/-0.267 χ^2/NDF: 637355.9/27

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1530.996+/-0.261 χ^2/NDF: 540794.5/30

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

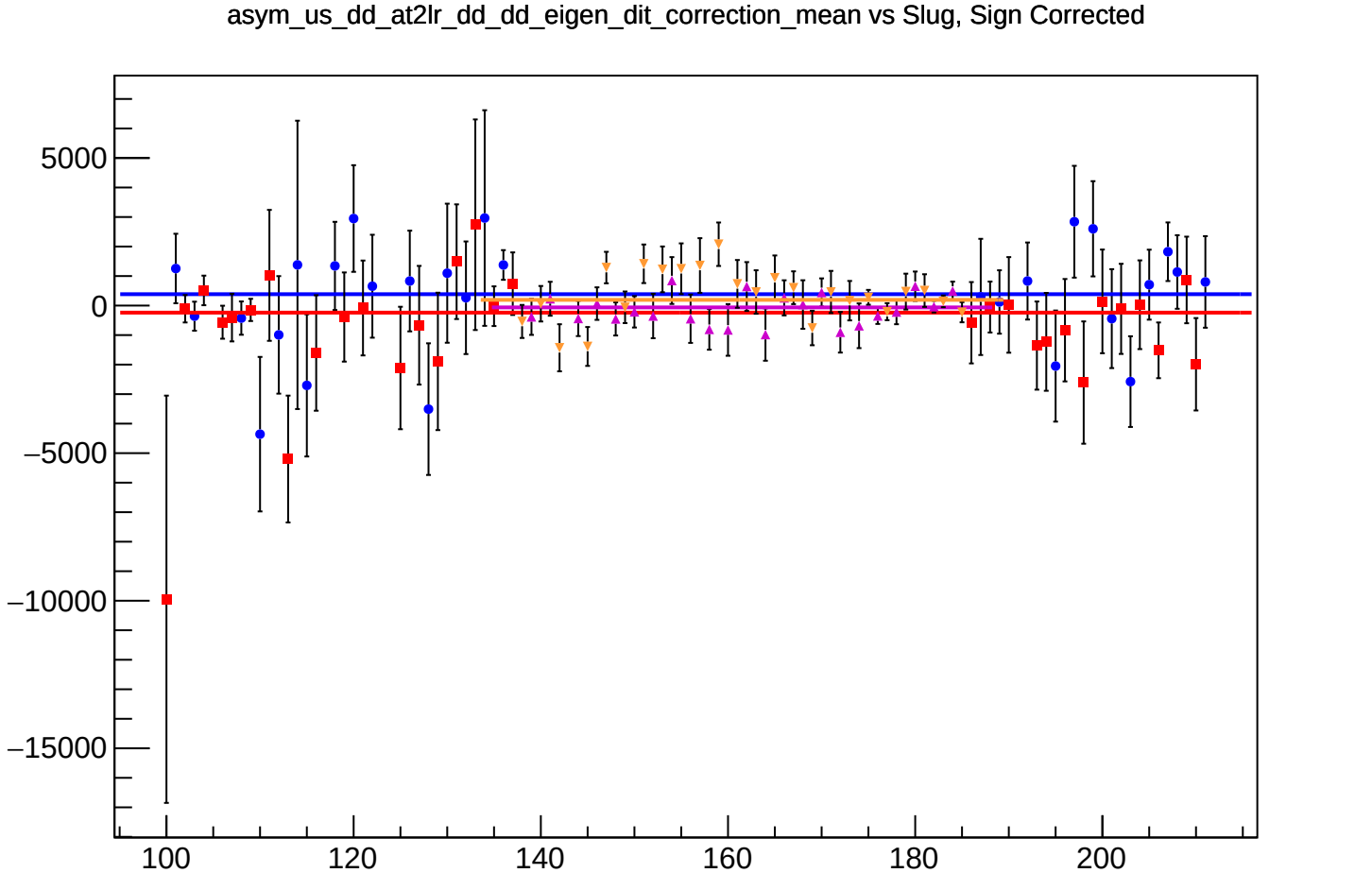
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1526.881+/-0.187 χ^2/NDF: 1178658.1/58

In: 1552.115+/-0.187 χ^2/NDF:787101.5/50

Out: 1557.401+/-0.184 χ^2/NDF:694775.2/54

All: 1554.792+/-0.131 χ^2/NDF: 1482282.3/10



Right In: 385.679+/-218.451 χ^2/NDF: 32.4/27

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -239.071+/-174.426 χ^2/NDF: 20.9/30

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

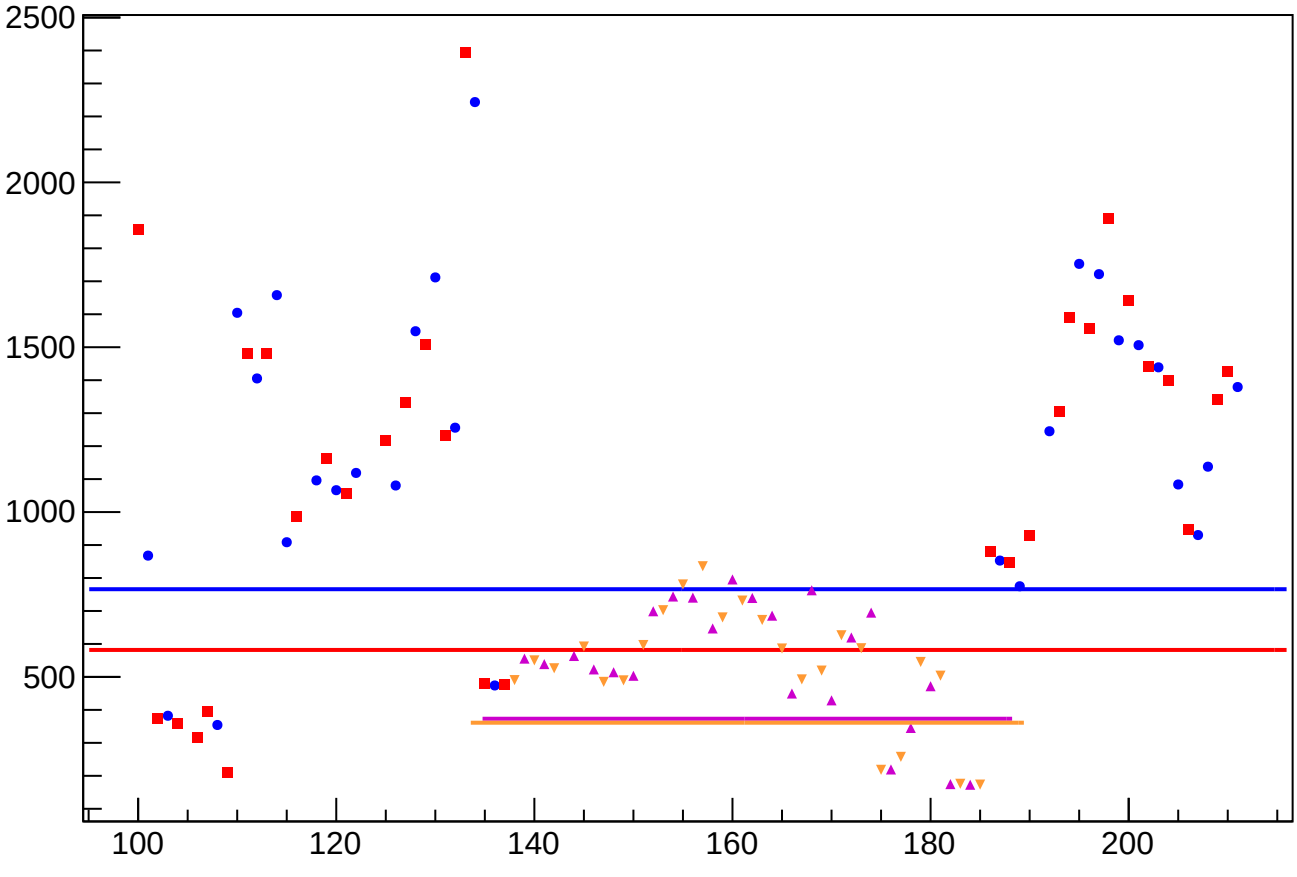
Right: 4.164+/-136.306 χ^2/NDF: 58.3/58

In: 15.048+/-90.714 χ^2/NDF:52.9/50

Out: 92.957+/-84.032 χ^2/NDF:65.7/54

All: 56.977+/-61.647 χ^2/NDF: 119.0/105

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 766.022+/-0.154 χ^2/NDF: 8024054.9/27

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 581.812+/-0.123 χ^2/NDF: 12561555.5/30

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

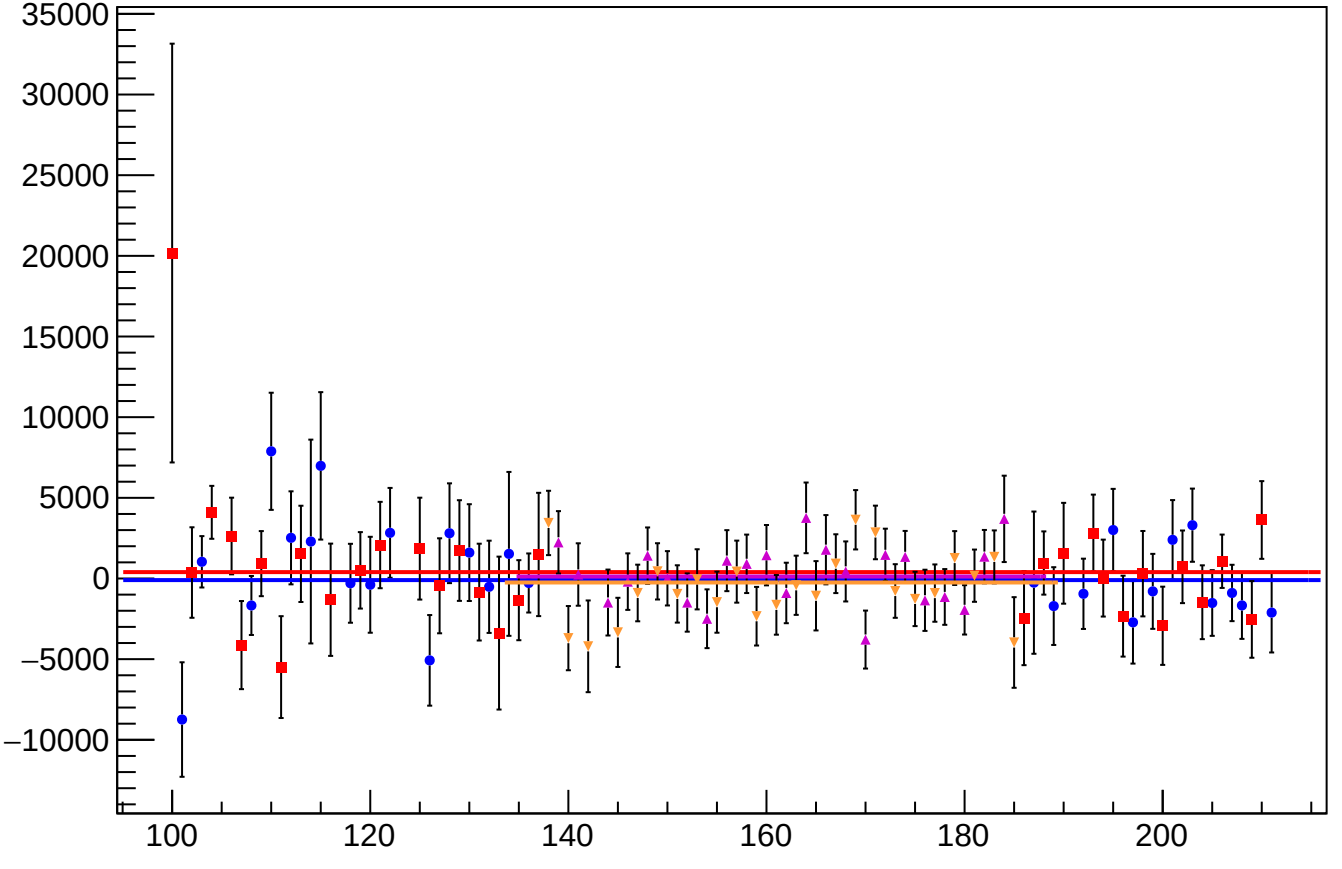
Right: 653.531+/-0.096 χ^2/NDF: 21454075.2/58

In: 440.892+/-0.064 χ^2/NDF:21584621.9/50

Out: 412.329+/-0.059 χ^2/NDF:23203495.1/54

All: 425.520+/-0.044 χ^2/NDF: 44894833.9/10

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -99.243+/-471.243 χ^2/NDF: 29.4/27

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 395.765+/-457.040 χ^2/NDF: 26.7/30

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

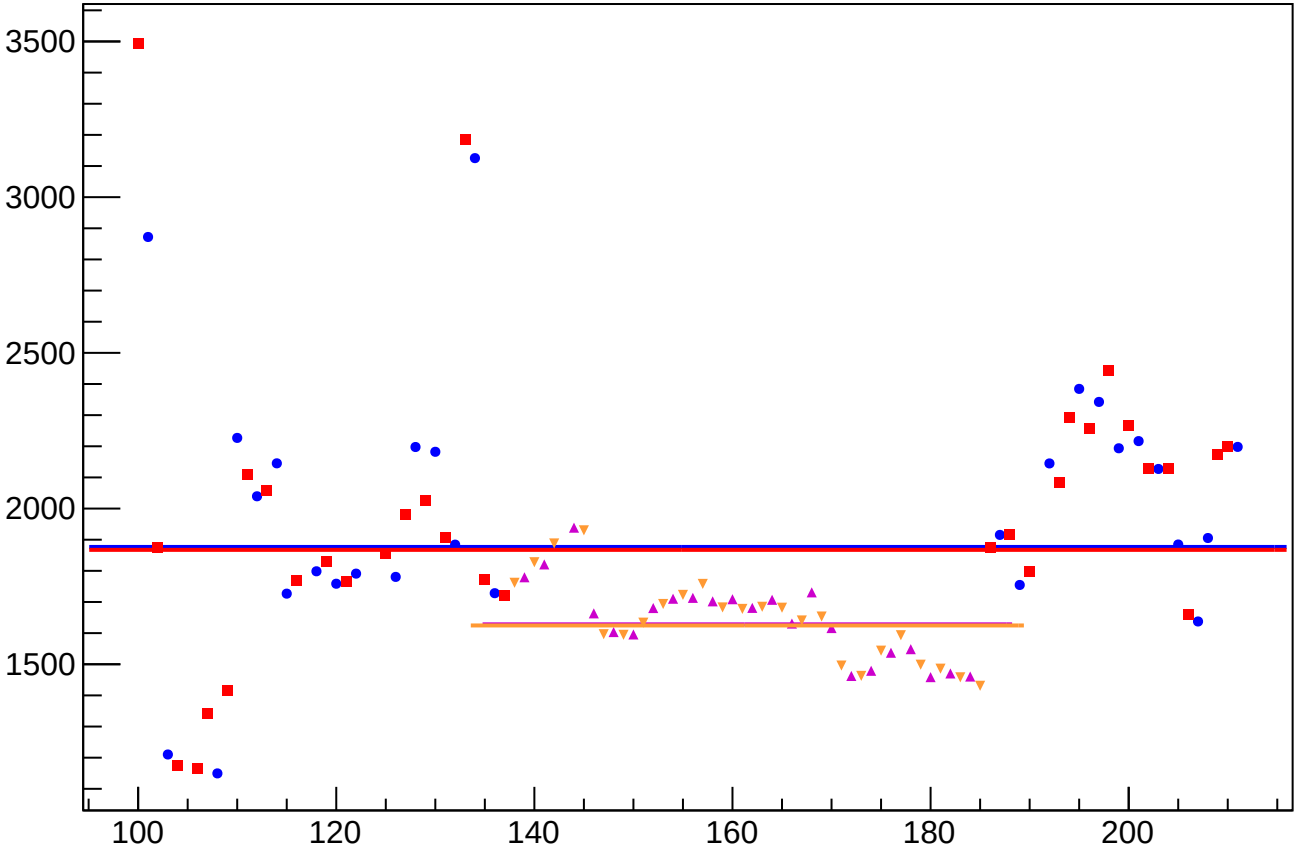
Right: 155.833+/-328.082 χ^2/NDF: 56.7/58

In: 36.947+/-296.422 χ^2/NDF:50.8/50

Out: 14.201+/-291.387 χ^2/NDF:53.9/54

All: 25.379+/-207.799 χ^2/NDF: 104.7/105

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1876.746+/-0.333 χ^2/NDF: 1392864.3/27

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1867.377+/-0.323 χ^2/NDF: 1364895.6/30

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

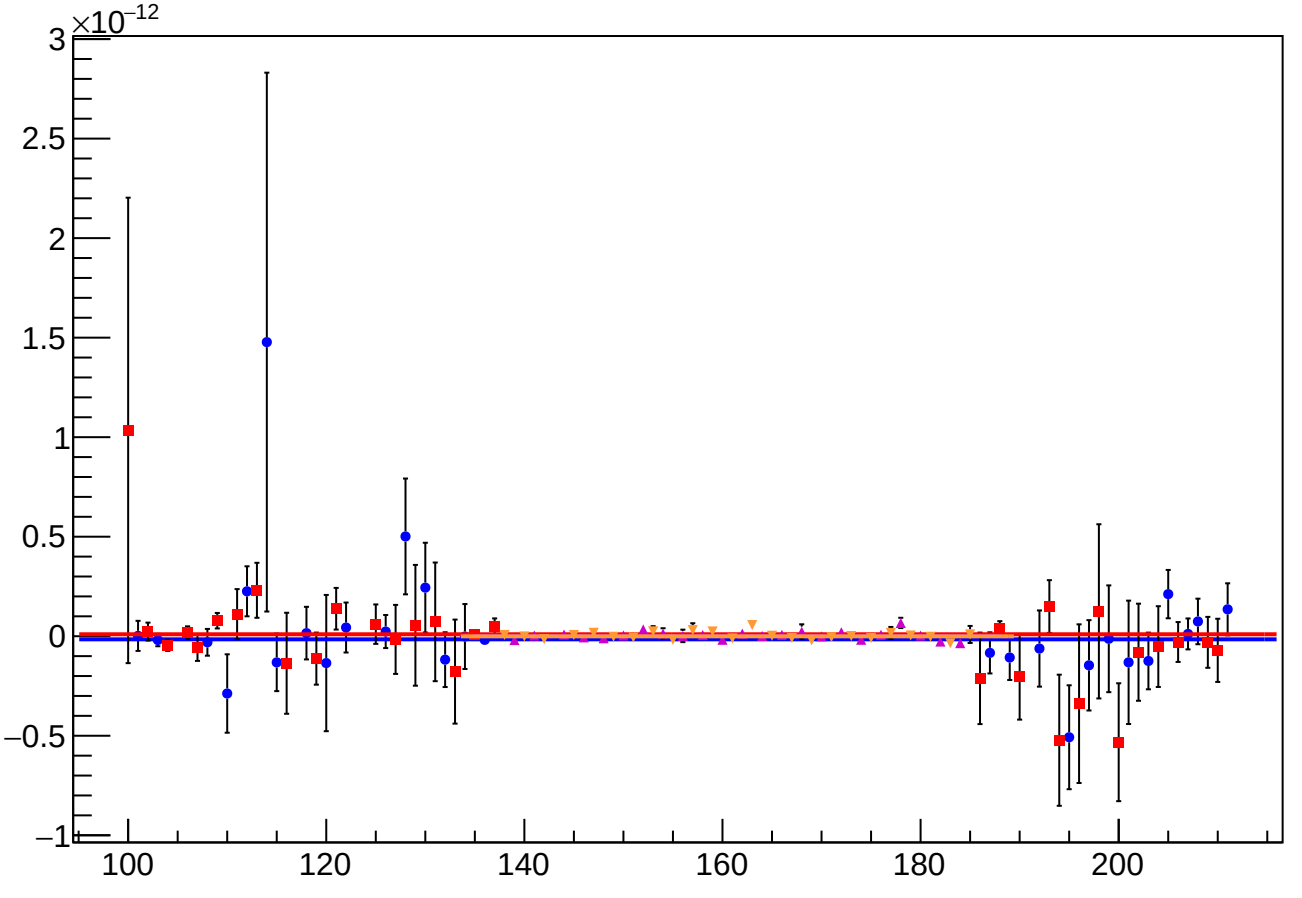
Right: 1871.918+/-0.232 χ^2/NDF: 2758167.3/58

In: 1726.554+/-0.210 χ^2/NDF:1933912.0/50

Out: 1723.291+/-0.206 χ^2/NDF:1907062.6/54

All: 1724.895+/-0.147 χ^2/NDF: 3841097.8/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

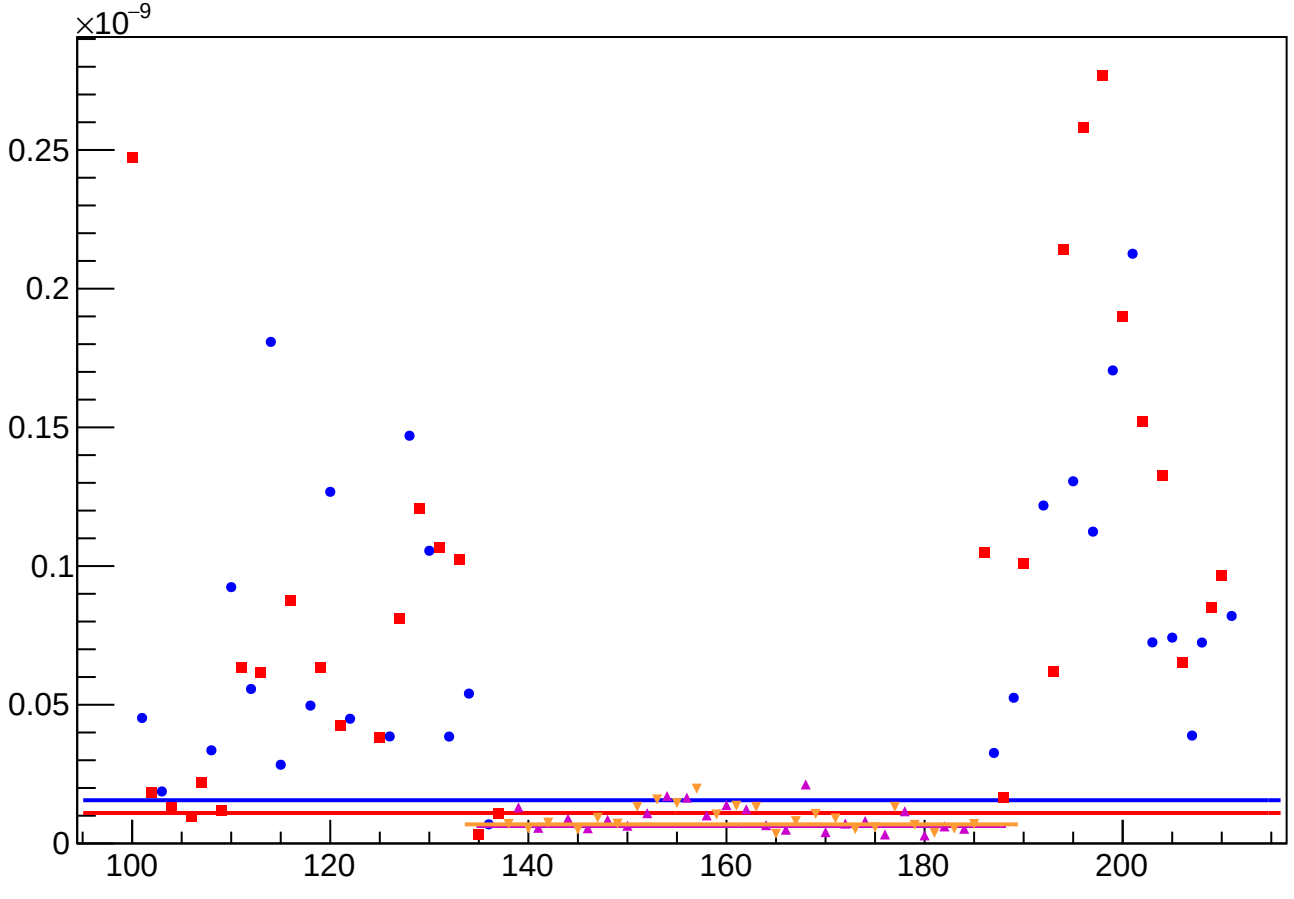
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 56.0/58

In: 0.000+/-0.000 χ^2/NDF:51.7/50

Out: 0.000+/-0.000 χ^2/NDF:51.6/54

All: 0.000+/-0.000 χ^2/NDF: 103.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 8755761.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10954945.7/30

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

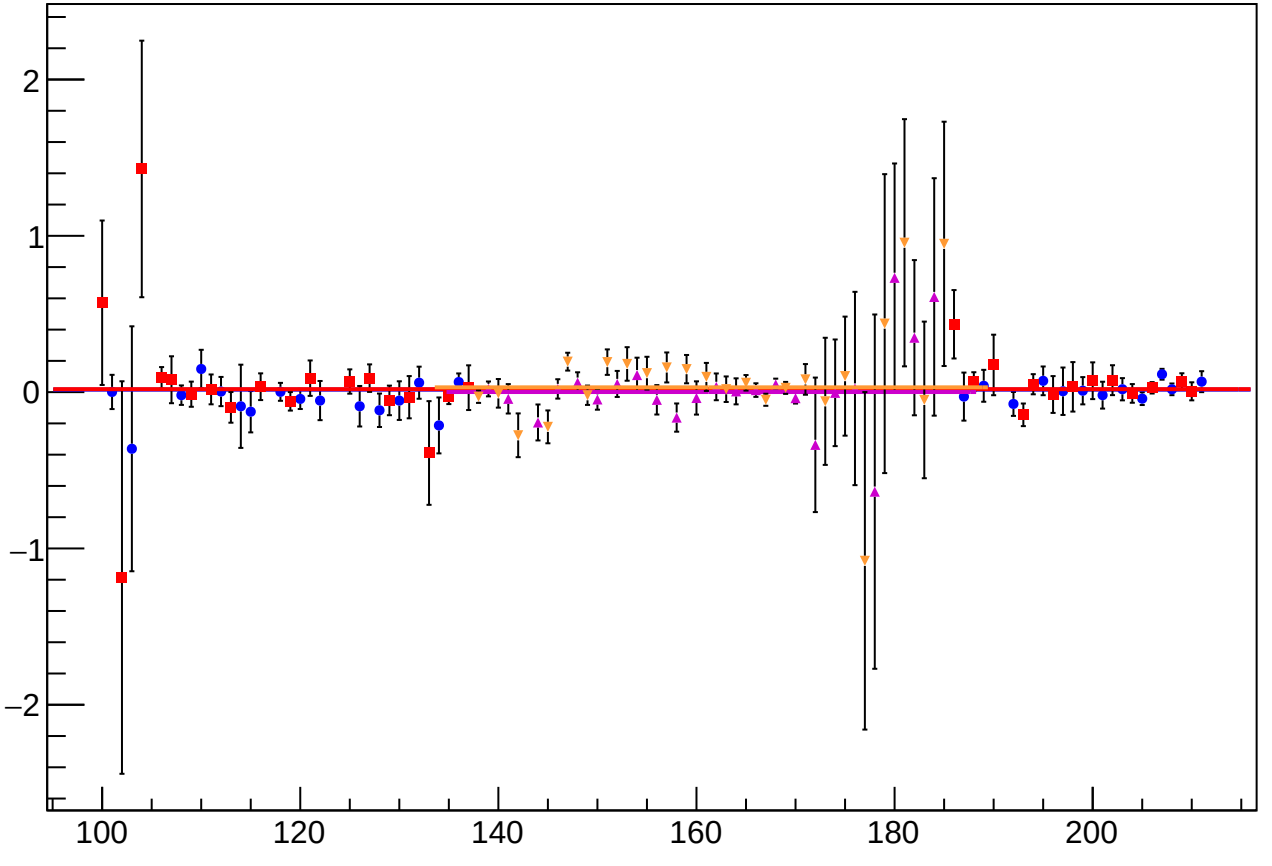
Right: 0.000+/-0.000 χ^2/NDF: 19962973.0/58

In: 0.000+/-0.000 χ^2/NDF:13277556.1/50

Out: 0.000+/-0.000 χ^2/NDF:13640232.1/54

All: 0.000+/-0.000 χ^2/NDF: 26937341.7/105

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

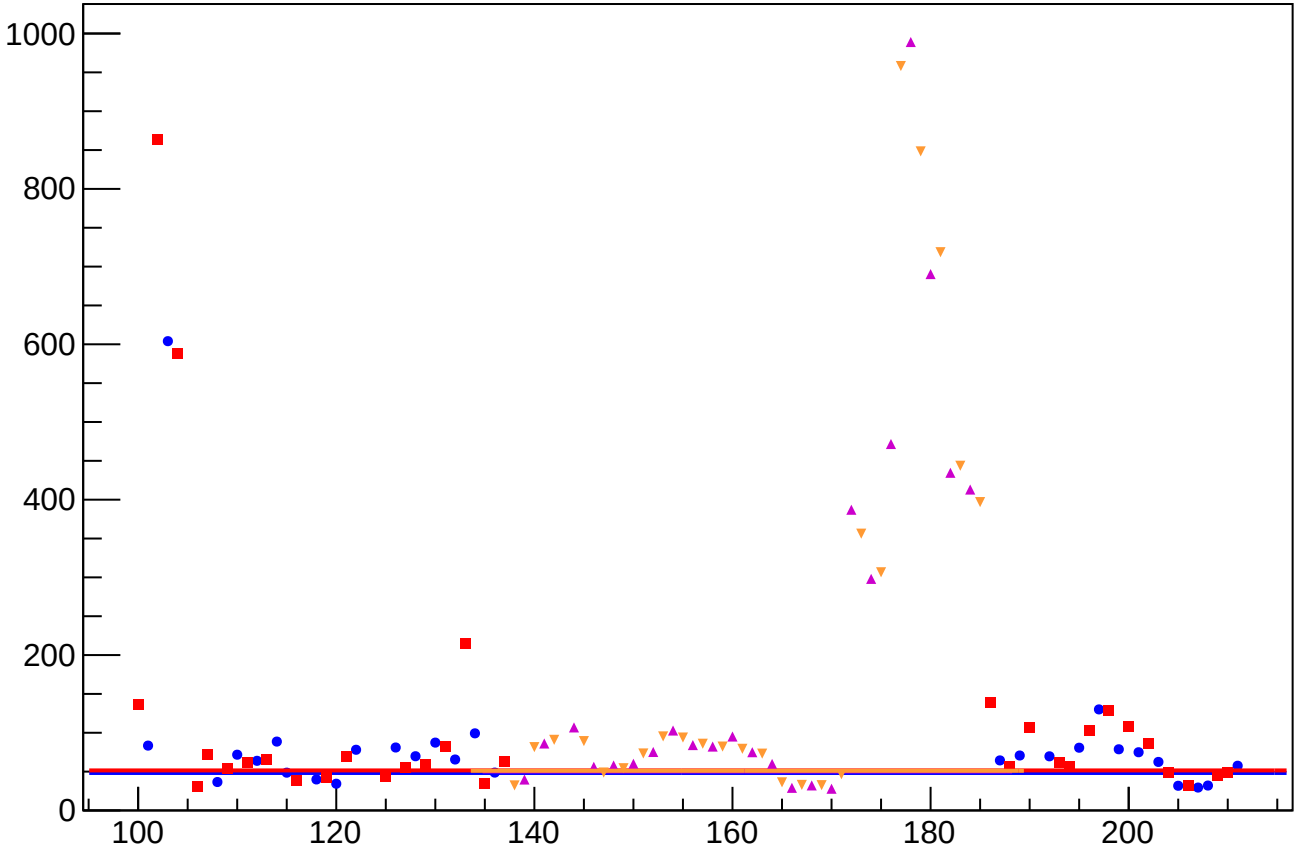
Right: 0.017+/-0.010 χ^2/NDF: 48.3/58

In: 0.009+/-0.010 χ^2/NDF:38.7/50

Out: 0.024+/-0.011 χ^2/NDF:68.0/54

All: 0.017+/-0.007 χ^2/NDF: 107.8/105

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.254+/-0.010 χ^2/NDF: 5283192.6/27

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.523+/-0.010 χ^2/NDF: 5744905.2/30

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

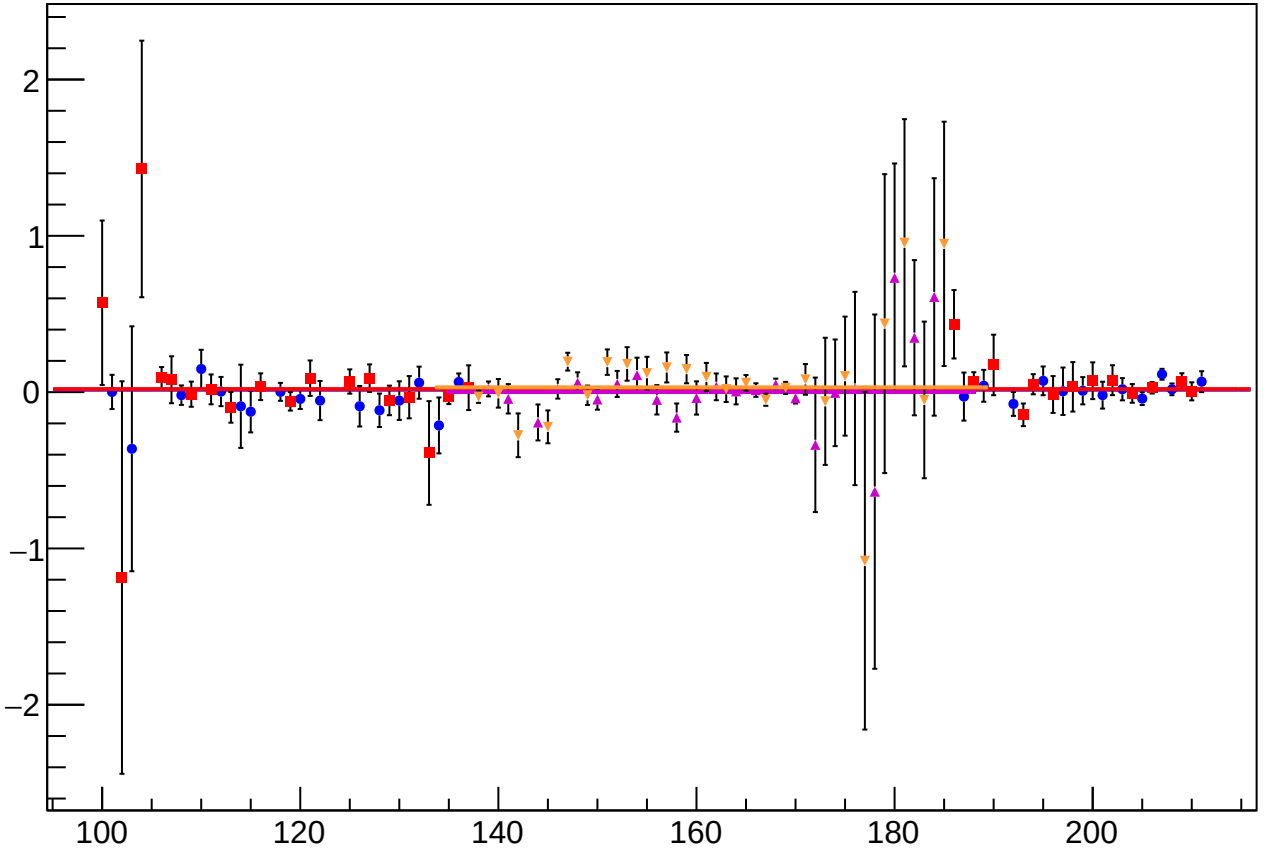
Right: 49.824+/-0.007 χ^2/NDF: 11081216.2/58

In: 49.159+/-0.007 χ^2/NDF:17497633.6/50

Out: 51.317+/-0.007 χ^2/NDF:17482412.3/54

All: 50.208+/-0.005 χ^2/NDF: 35022900.5/105

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

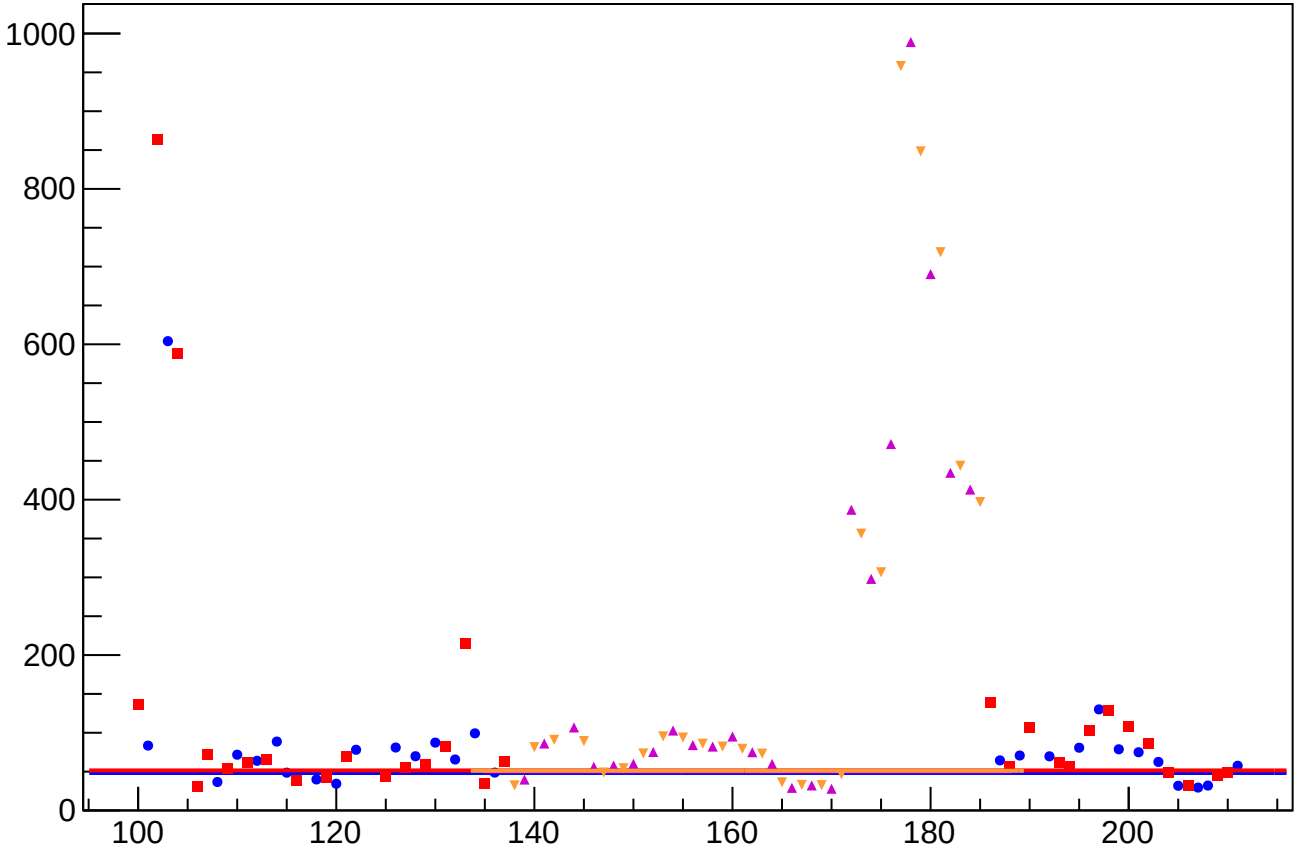
Right: 0.017+/-0.010 χ^2/NDF: 48.3/58

In: 0.009+/-0.010 χ^2/NDF:38.7/50

Out: 0.024+/-0.011 χ^2/NDF:68.0/54

All: 0.017+/-0.007 χ^2/NDF: 107.8/105

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.254+/-0.010 χ^2/NDF: 5283192.6/27

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.523+/-0.010 χ^2/NDF: 5744905.2/30

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

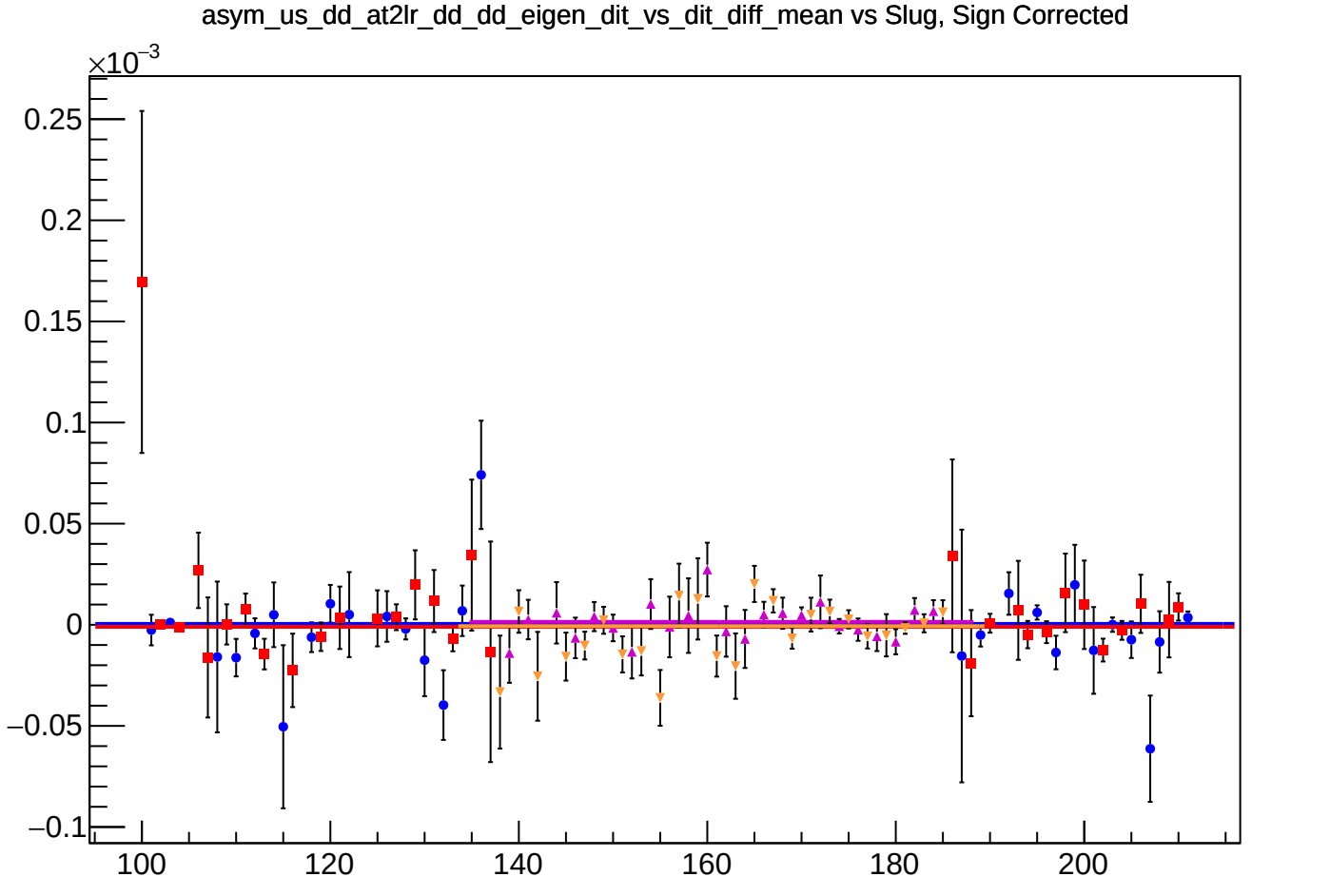
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 49.824+/-0.007 χ^2/NDF: 11081216.2/58

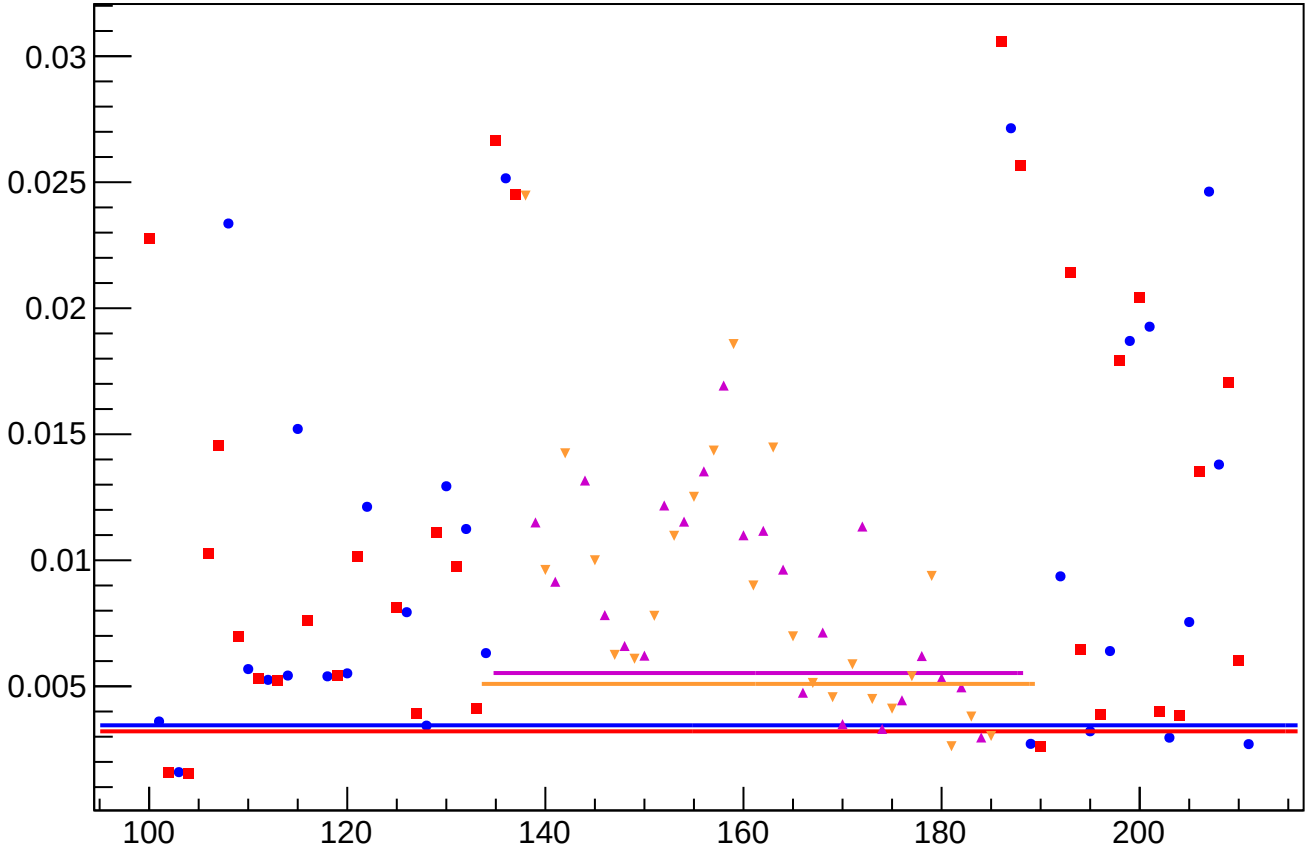
In: 49.159+/-0.007 χ^2/NDF:17497633.6/50

Out: 51.317+/-0.007 χ^2/NDF:17482412.3/54

All: 50.208+/-0.005 χ^2/NDF: 35022900.5/105


asym_us_dd_at2lr_dd_dd_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: 39.9/27
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/30
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 68.4/58
In: 0.000+/-0.000 χ²/NDF:56.6/50
Out: -0.000+/-0.000 χ²/NDF:66.3/54
All: -0.000+/-0.000 χ²/NDF: 124.7/105

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12161024.0/27

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 15495463.4/30

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

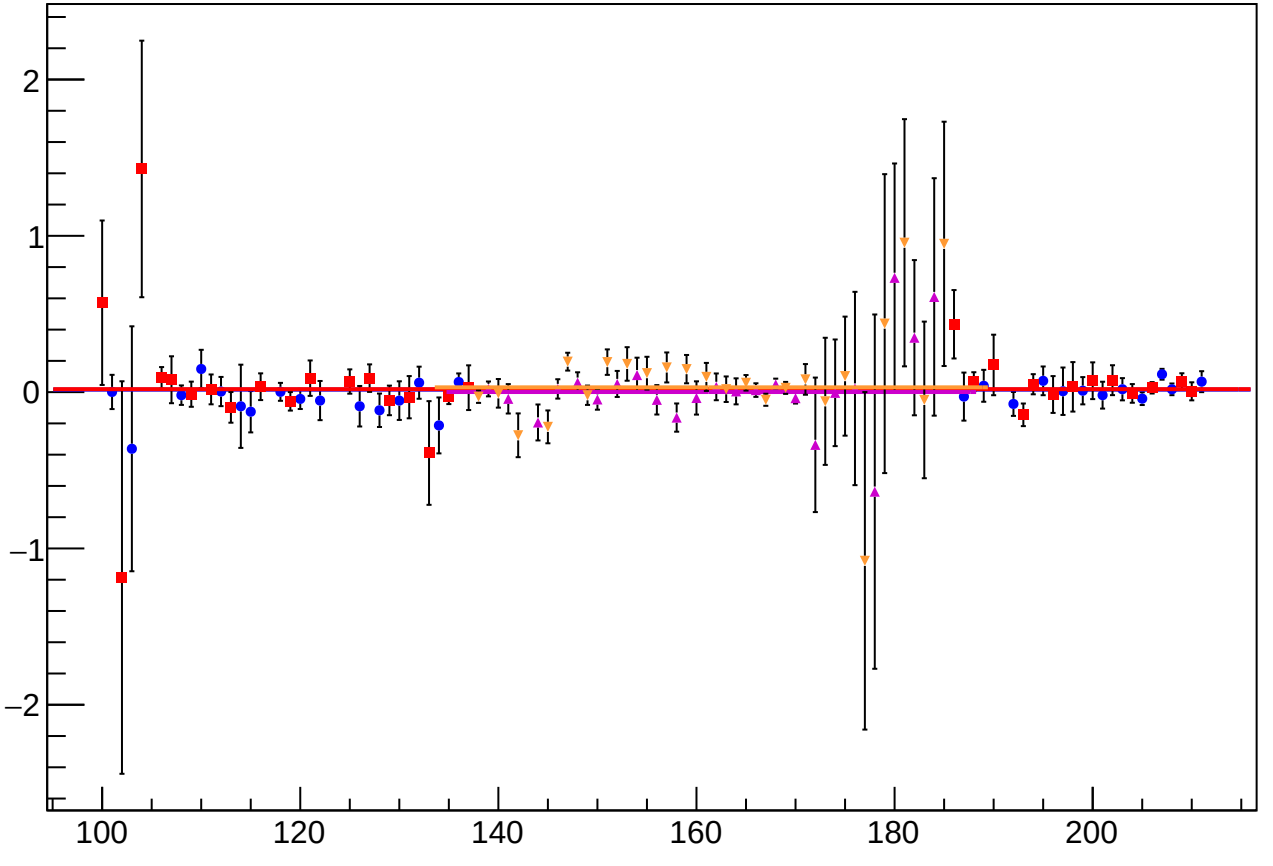
Right: 0.003+/-0.000 χ^2/NDF: 27701037.9/58

In: 0.004+/-0.000 χ^2/NDF:21406325.7/50

Out: 0.004+/-0.000 χ^2/NDF:26140895.5/54

All: 0.004+/-0.000 χ^2/NDF: 47663069.2/105

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

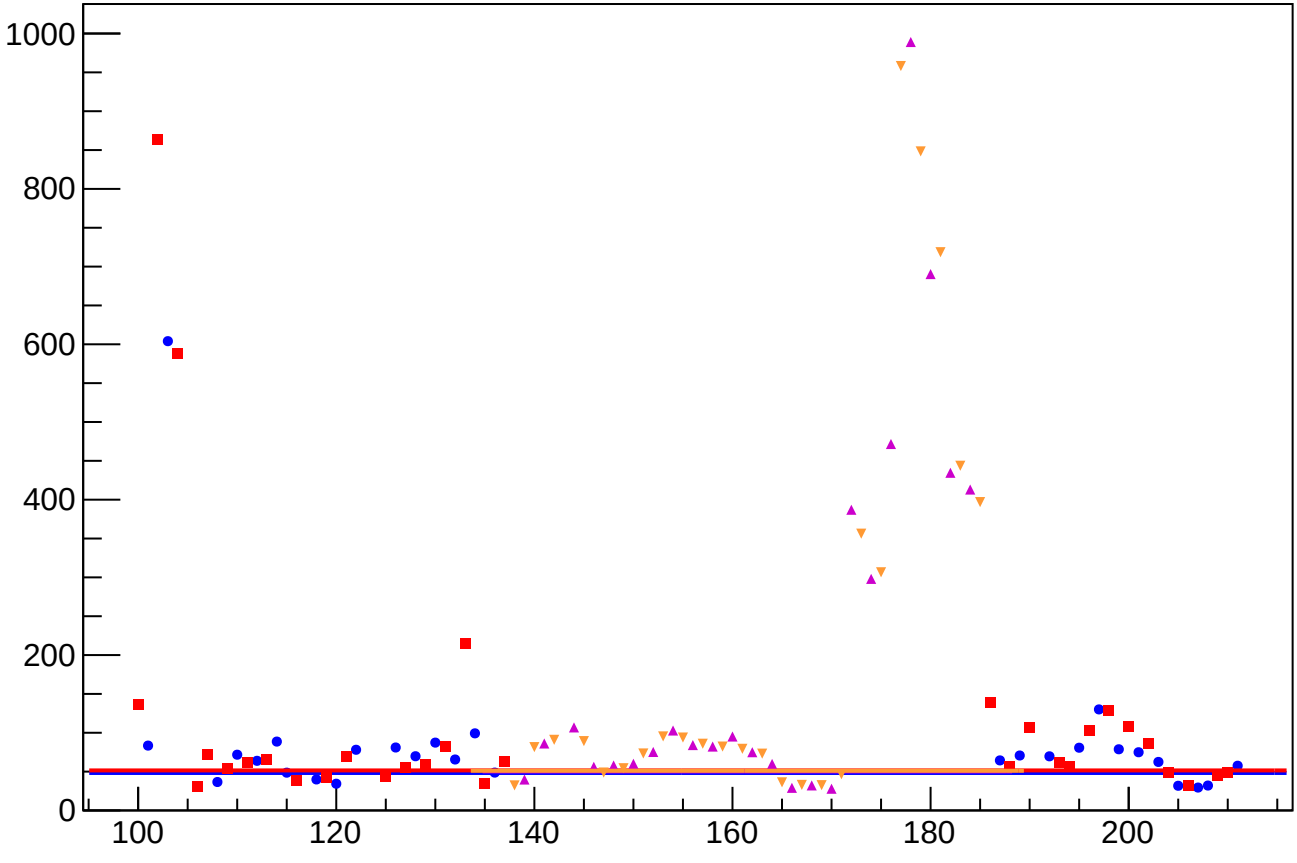
Right: 0.017+/-0.010 χ^2/NDF: 48.3/58

In: 0.009+/-0.010 χ^2/NDF:38.7/50

Out: 0.024+/-0.011 χ^2/NDF:68.0/54

All: 0.017+/-0.007 χ^2/NDF: 107.8/105

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.254+/-0.010 χ^2/NDF: 5283063.8/27

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.524+/-0.010 χ^2/NDF: 5744623.8/30

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

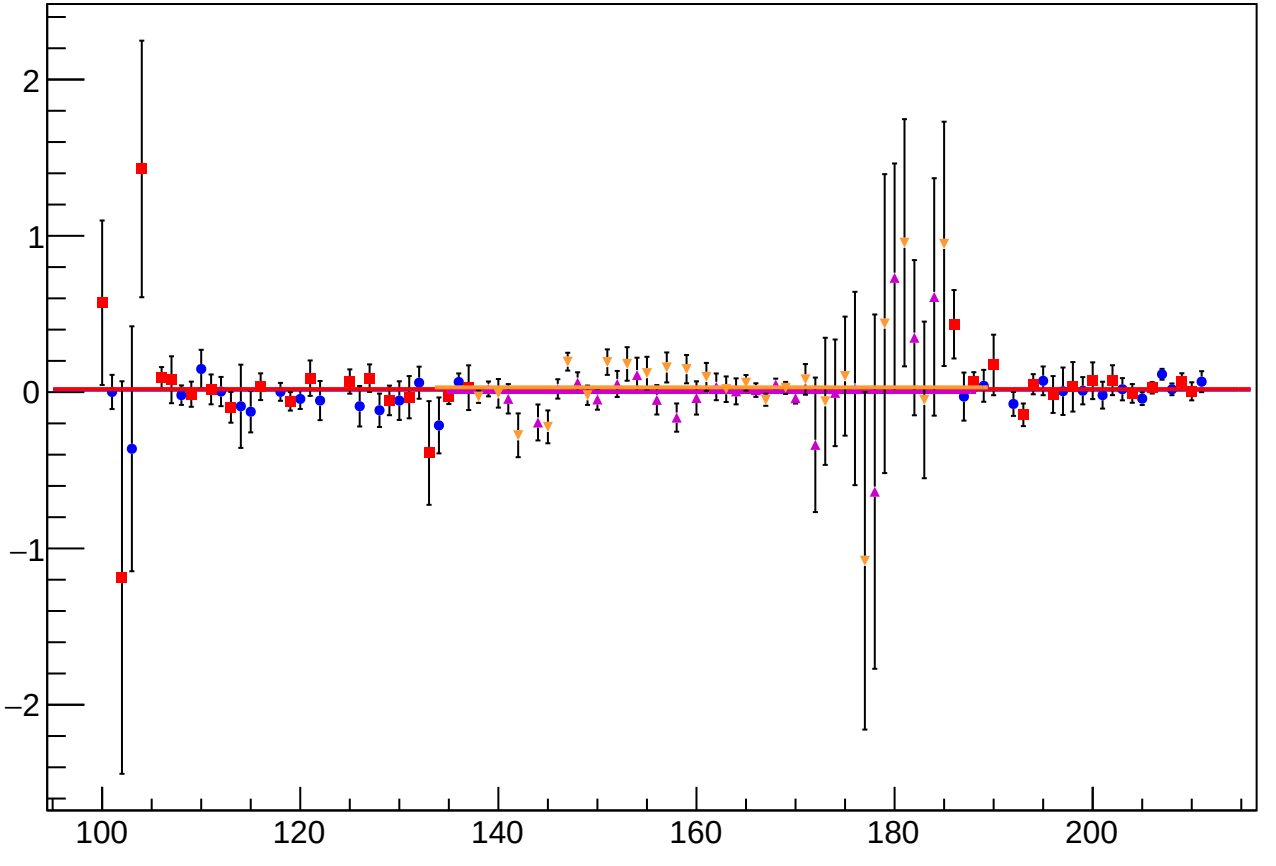
Right: 49.824+/-0.007 χ^2/NDF: 11080840.1/58

In: 49.159+/-0.007 χ^2/NDF:17497440.5/50

Out: 51.319+/-0.007 χ^2/NDF:17481295.8/54

All: 50.209+/-0.005 χ^2/NDF: 35021656.7/105

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.014 χ^2/NDF: 22.1/27

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.019+/-0.014 χ^2/NDF: 26.2/30

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

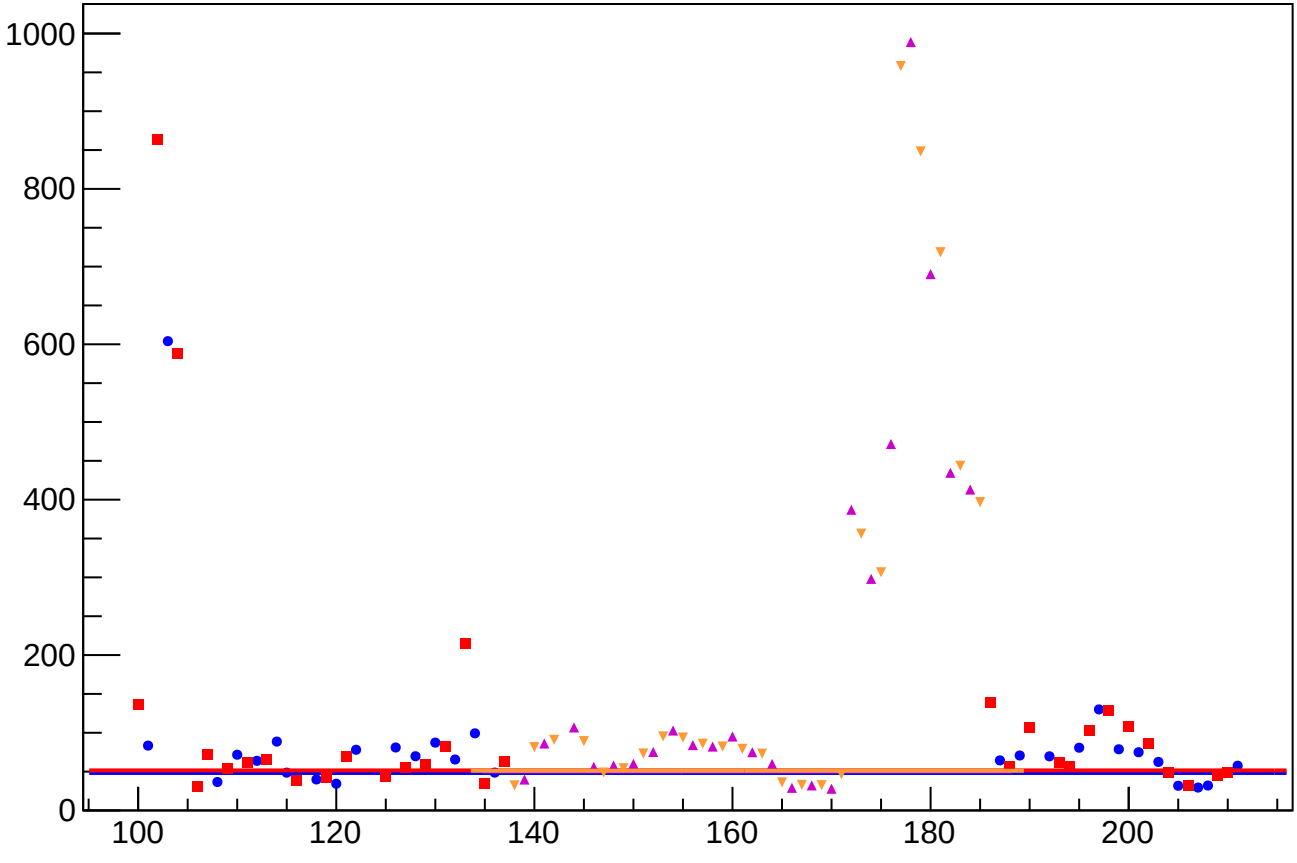
Right: 0.017+/-0.010 χ^2/NDF: 48.3/58

In: 0.009+/-0.010 χ^2/NDF:38.7/50

Out: 0.024+/-0.011 χ^2/NDF:68.0/54

All: 0.017+/-0.007 χ^2/NDF: 107.8/105

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.254+/-0.010 χ^2/NDF: 5283063.8/27

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.524+/-0.010 χ^2/NDF: 5744623.8/30

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

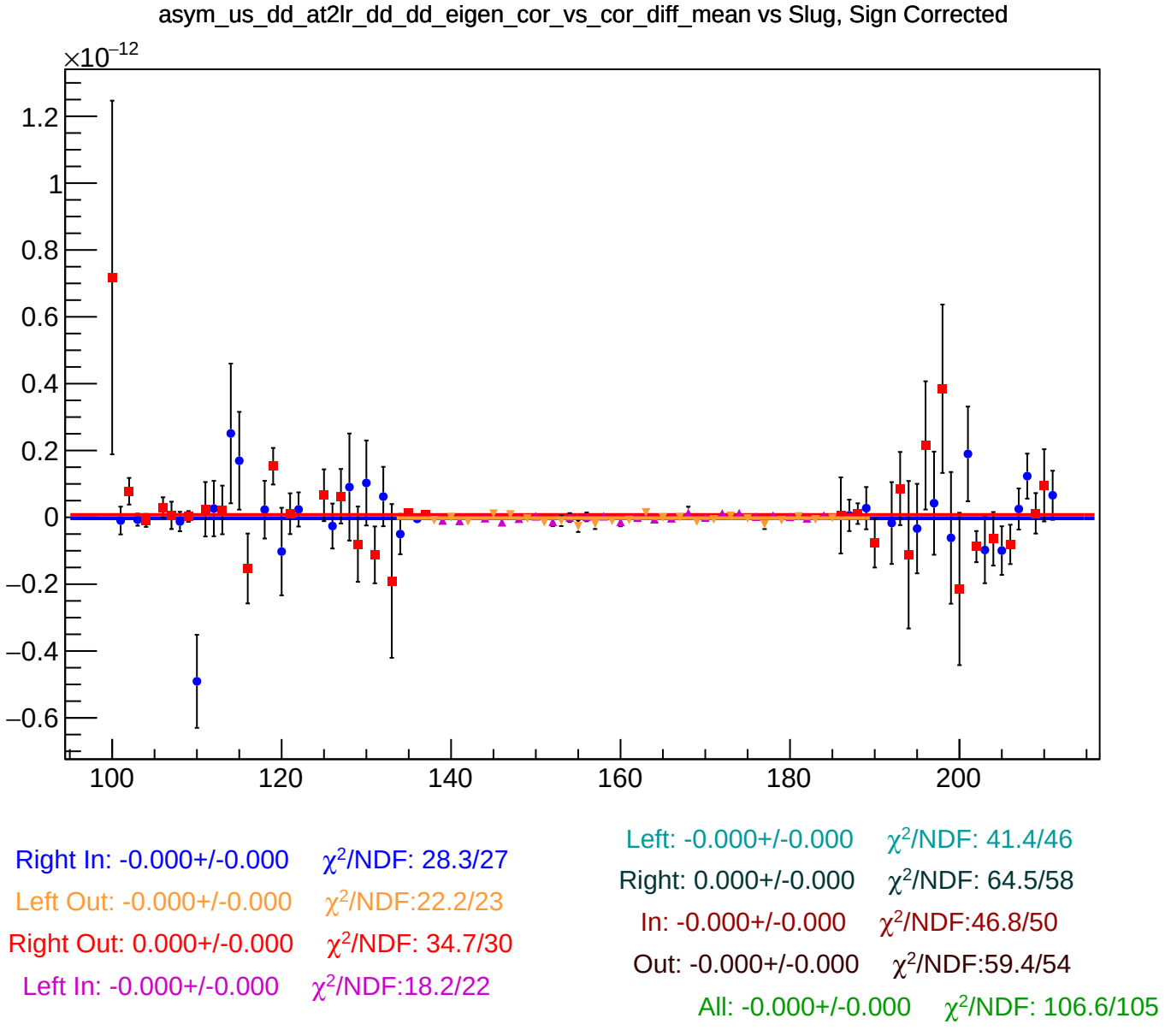
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 49.824+/-0.007 χ^2/NDF: 11080840.1/58

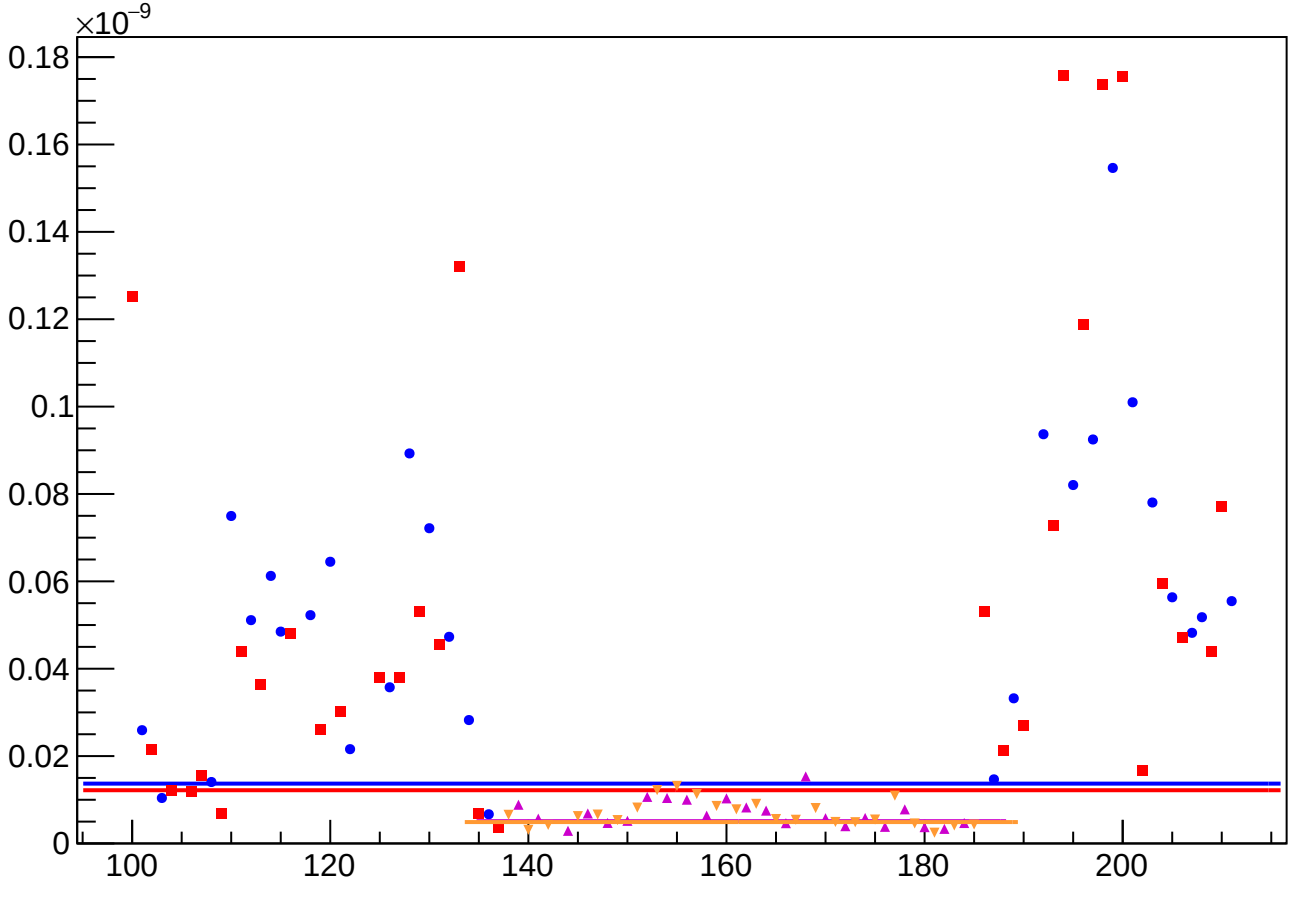
In: 49.159+/-0.007 χ^2/NDF:17497440.5/50

Out: 51.319+/-0.007 χ^2/NDF:17481295.8/54

All: 50.209+/-0.005 χ^2/NDF: 35021656.7/105


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.3/27
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.7/30
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 64.5/58
In: -0.000+/-0.000 χ²/NDF:46.8/50
Out: -0.000+/-0.000 χ²/NDF:59.4/54
All: -0.000+/-0.000 χ²/NDF: 106.6/105

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: 12269367.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11785720.7/30

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

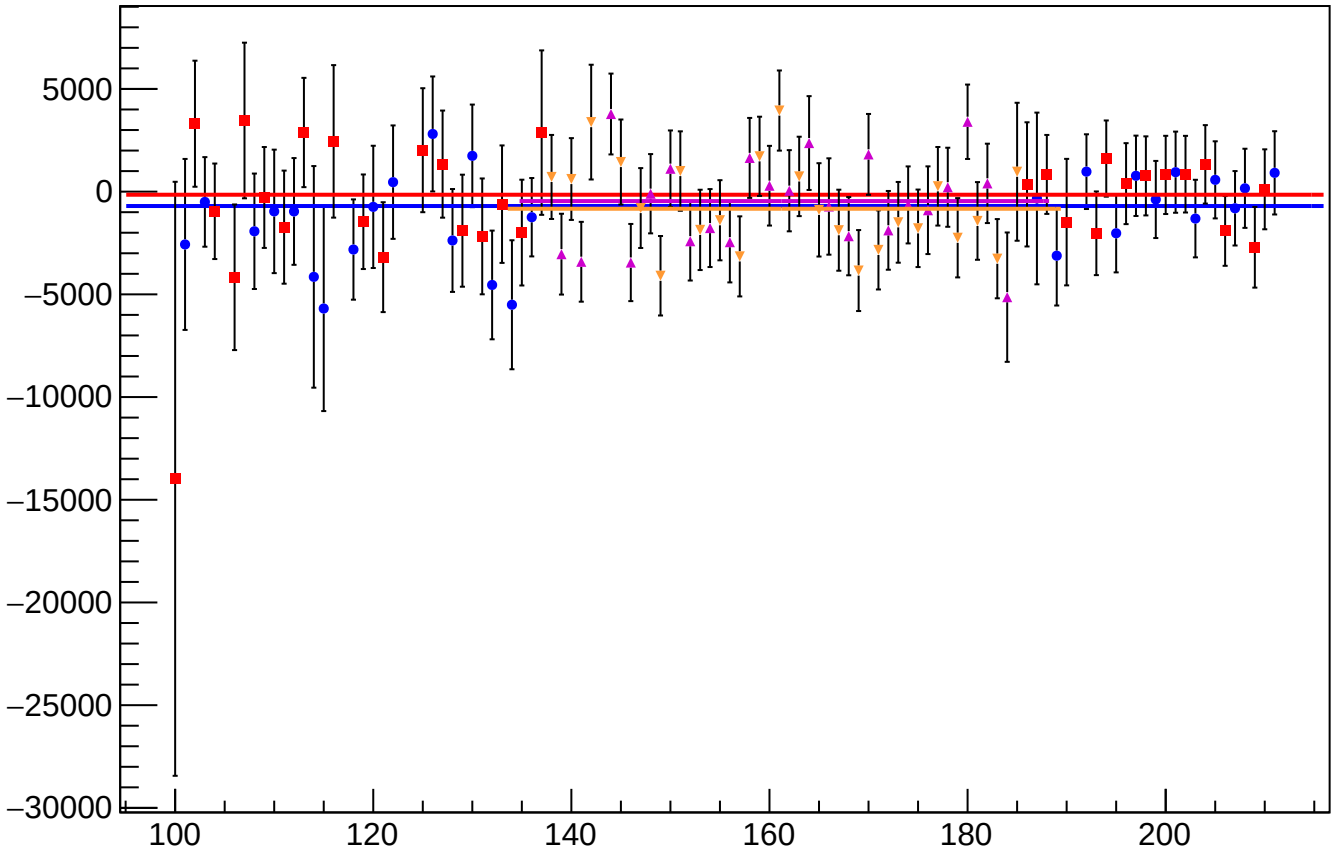
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 24111996.6/58

In: 0.000+/-0.000 χ^2/NDF:19299878.8/50

Out: 0.000+/-0.000 χ^2/NDF:18772883.9/54

All: 0.000+/-0.000 χ^2/NDF: 38101324.8/105



Right In: -699.911+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -150.180+/-430.699 χ^2/NDF: 17.6/30

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

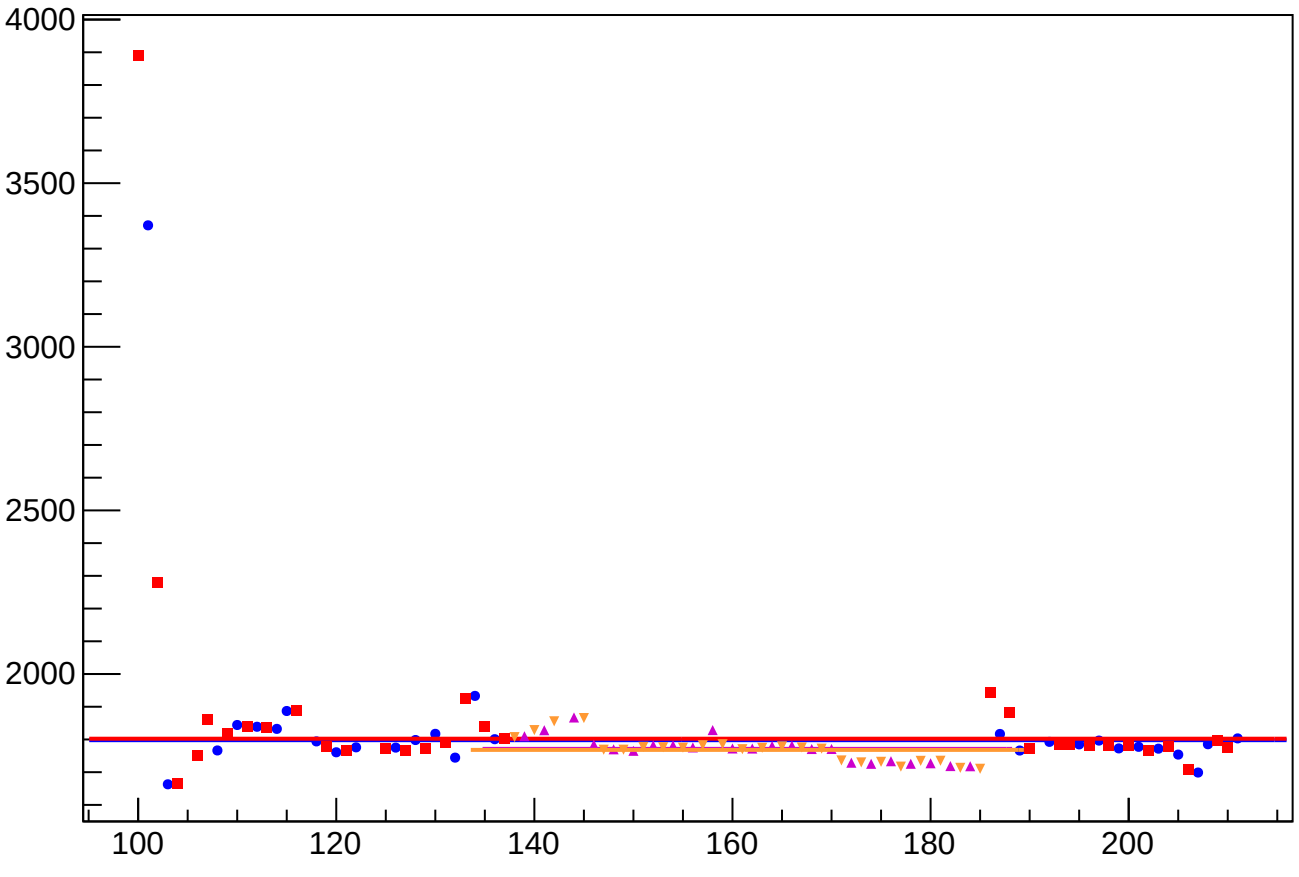
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -417.277+/-308.824 χ^2/NDF: 33.7/58

In: -571.512+/-302.349 χ^2/NDF:42.7/50

Out: -507.801+/-297.132 χ^2/NDF:44.3/54

All: -539.102+/-211.924 χ^2/NDF: 87.1/105



Right In: 1797.818+/-0.313 χ^2/NDF: 309233.8/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1802.295+/-0.305 χ^2/NDF: 122281.3/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

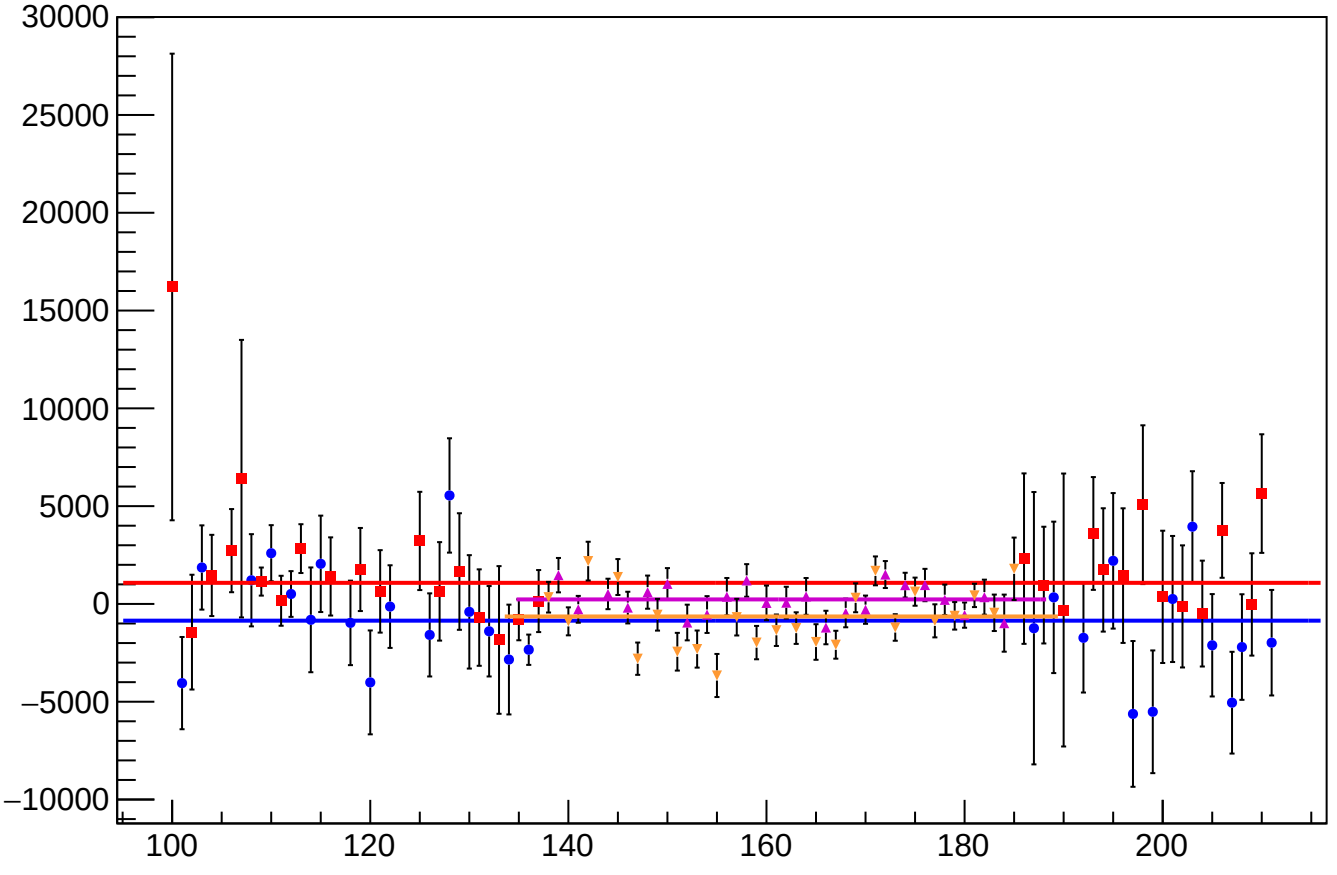
Right: 1800.119+/-0.218 χ^2/NDF: 431620.0/58

In: 1783.605+/-0.214 χ^2/NDF:329511.4/50

Out: 1784.388+/-0.210 χ^2/NDF:145236.3/54

All: 1784.003+/-0.150 χ^2/NDF: 474754.5/105

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -855.582+/-396.009 χ^2/NDF: 34.5/27

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1078.446+/-358.888 χ^2/NDF: 17.8/30

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

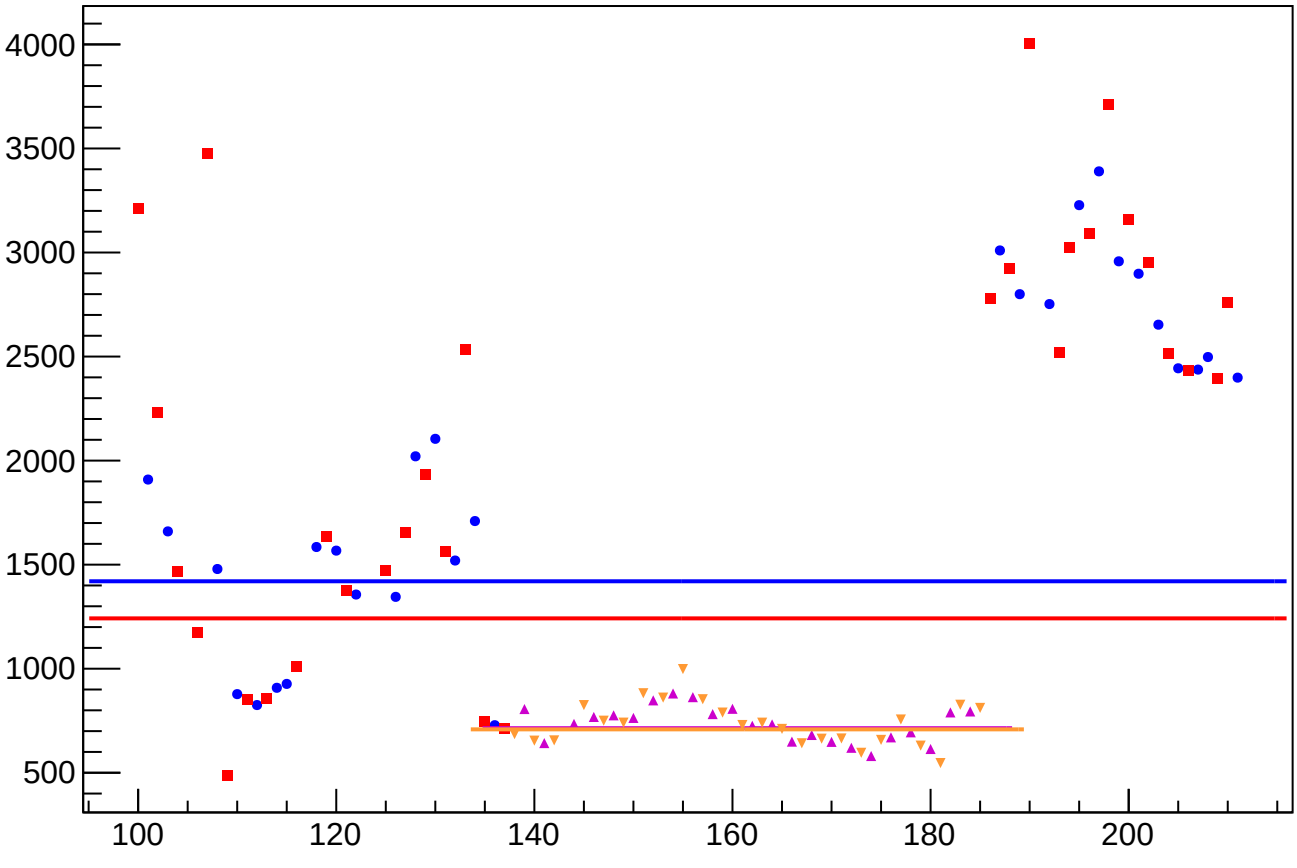
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 206.307+/-265.930 χ^2/NDF: 65.4/58

In: 64.443+/-154.907 χ^2/NDF:60.8/50

Out: -336.640+/-150.999 χ^2/NDF:103.4/54

All: -141.221+/-108.128 χ^2/NDF: 167.6/105



Right In: 1420.140+/-0.280 χ^2/NDF: 7293524.5/27

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1241.811+/-0.254 χ^2/NDF: 10919110.8/30

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

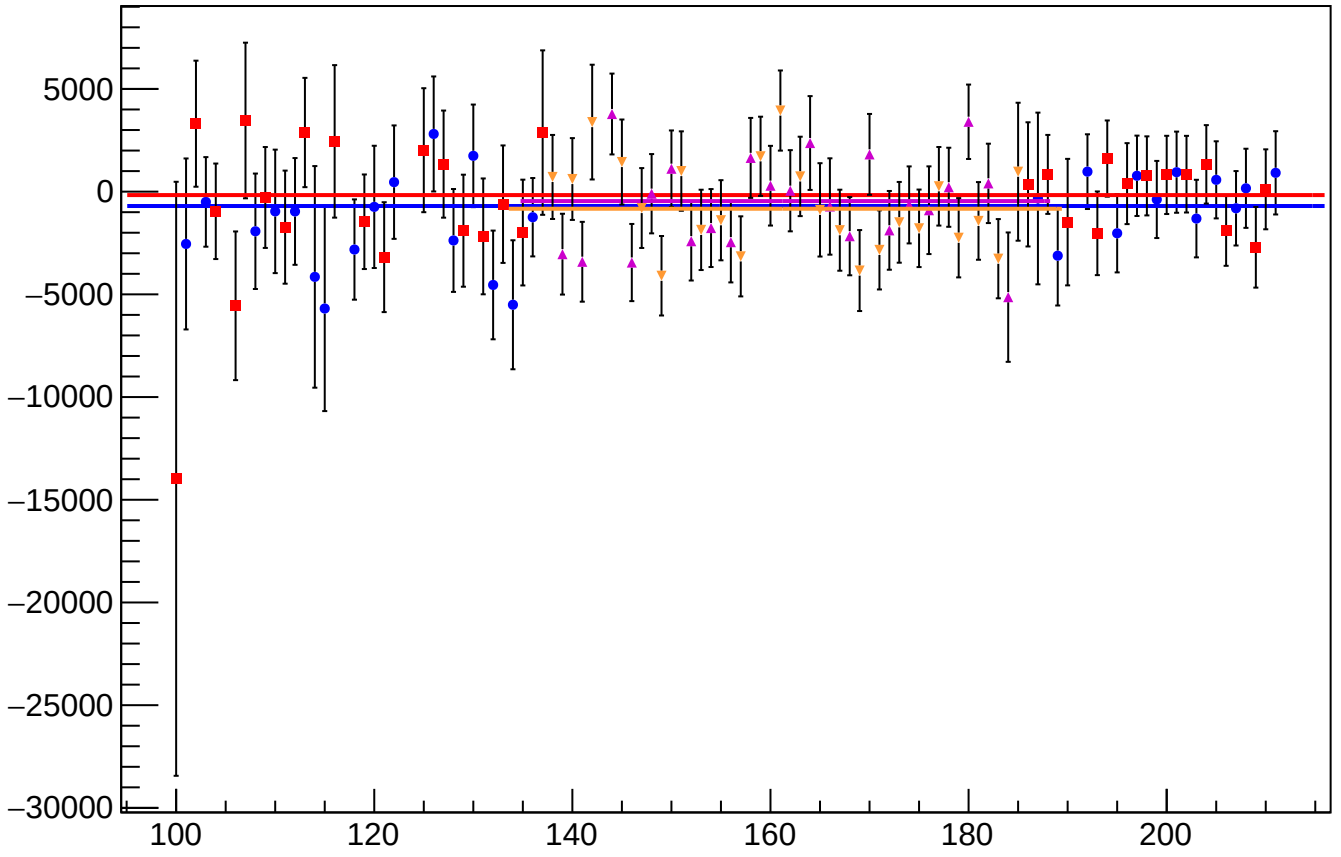
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1322.227+/-0.188 χ^2/NDF: 18435316.4/58

In: 822.187+/-0.110 χ^2/NDF:13174441.2/50

Out: 802.911+/-0.107 χ^2/NDF:15254179.3/54

All: 812.303+/-0.076 χ^2/NDF: 28444500.3/10



Right In: -699.661+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -167.412+/-430.829 χ^2/NDF: 18.5/30

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

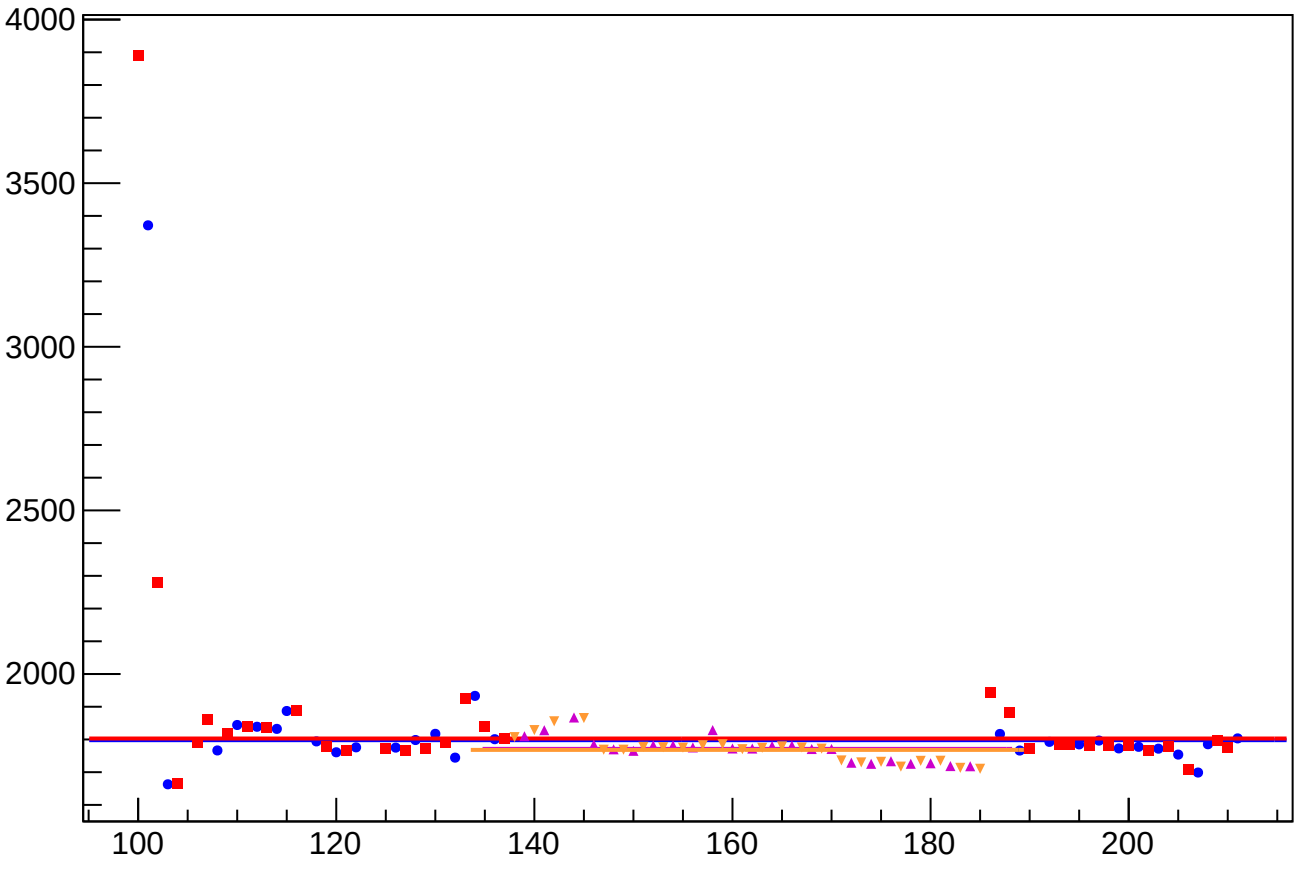
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -426.095+/-308.872 χ^2/NDF: 34.6/58

In: -571.374+/-302.349 χ^2/NDF:42.7/50

Out: -516.046+/-297.174 χ^2/NDF:45.2/54

All: -543.233+/-211.940 χ^2/NDF: 87.9/105



Right In: 1797.818+/-0.313 χ^2/NDF: 309235.6/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1802.905+/-0.305 χ^2/NDF: 121869.9/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

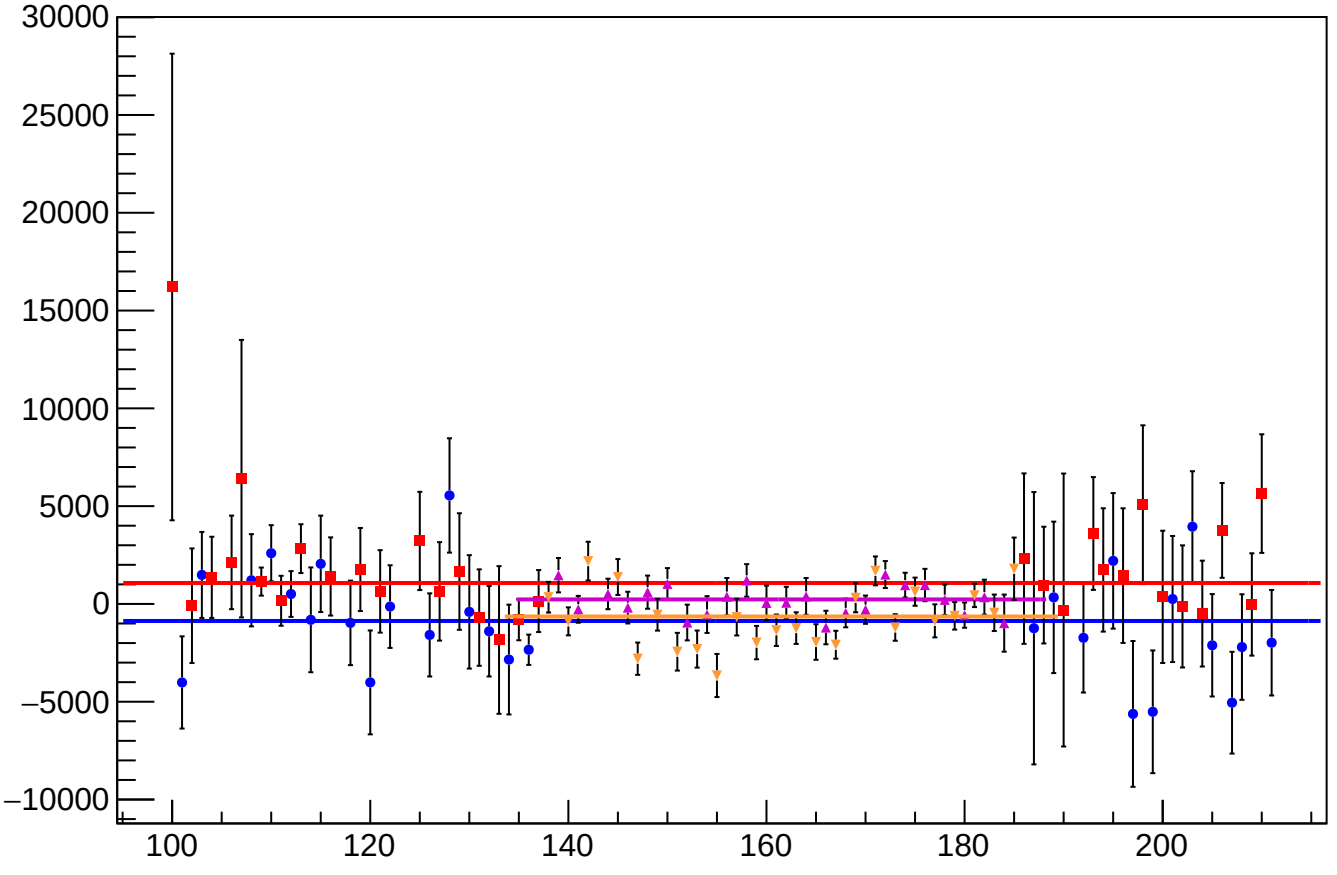
Right: 1800.433+/-0.218 χ^2/NDF: 431241.1/58

In: 1783.605+/-0.214 χ^2/NDF:329513.2/50

Out: 1784.673+/-0.210 χ^2/NDF:145060.6/54

All: 1784.149+/-0.150 χ^2/NDF: 474586.5/105

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -870.796+/-396.275 χ^2/NDF: 34.0/27

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1072.068+/-359.944 χ^2/NDF: 16.8/30

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

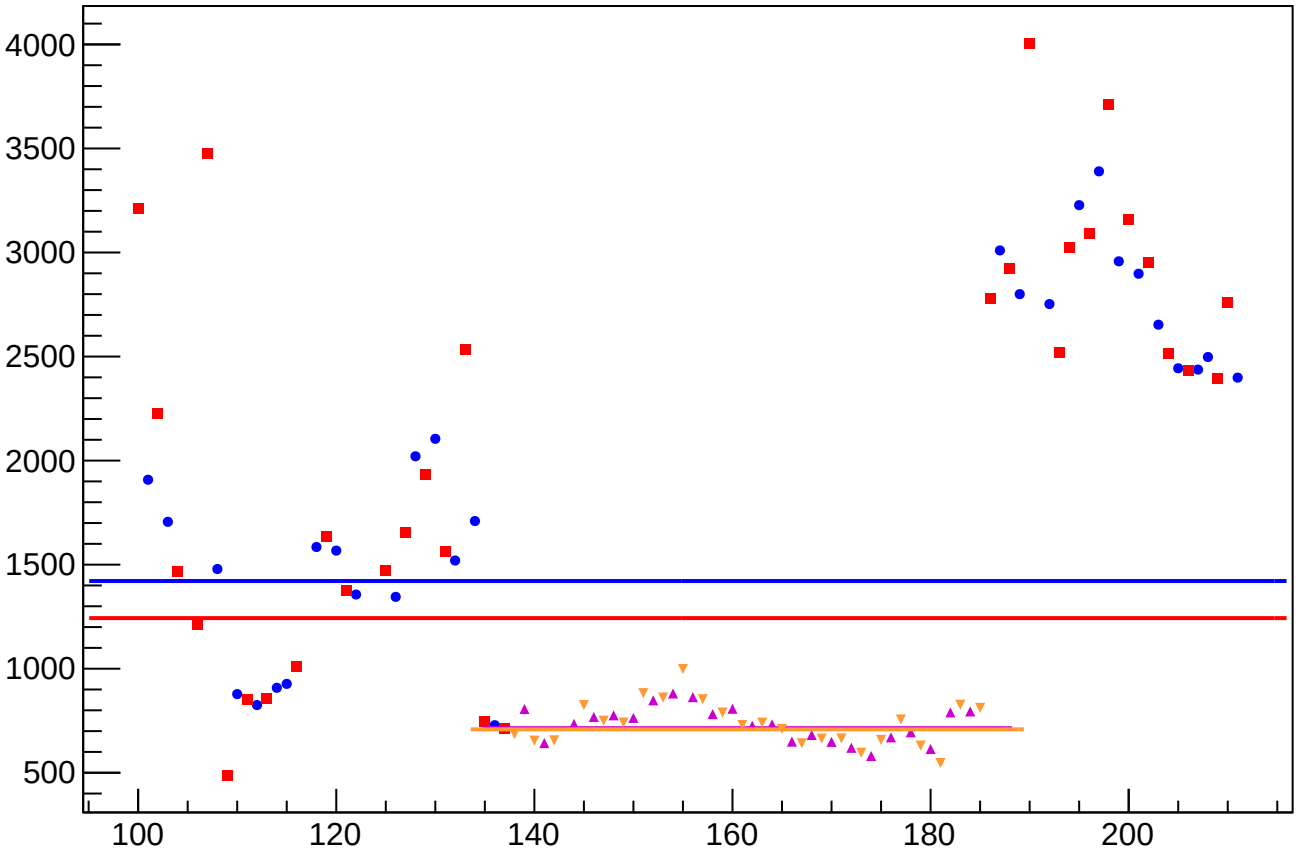
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 193.762+/-266.439 χ^2/NDF: 64.0/58

In: 62.236+/-154.924 χ^2/NDF:60.5/50

Out: -339.209+/-151.079 χ^2/NDF:102.2/54

All: -143.531+/-108.163 χ^2/NDF: 166.1/105



Right In: 1421.304+/-0.280 χ^2/NDF: 7302160.0/27

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1243.048+/-0.255 χ^2/NDF: 10916322.2/30

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

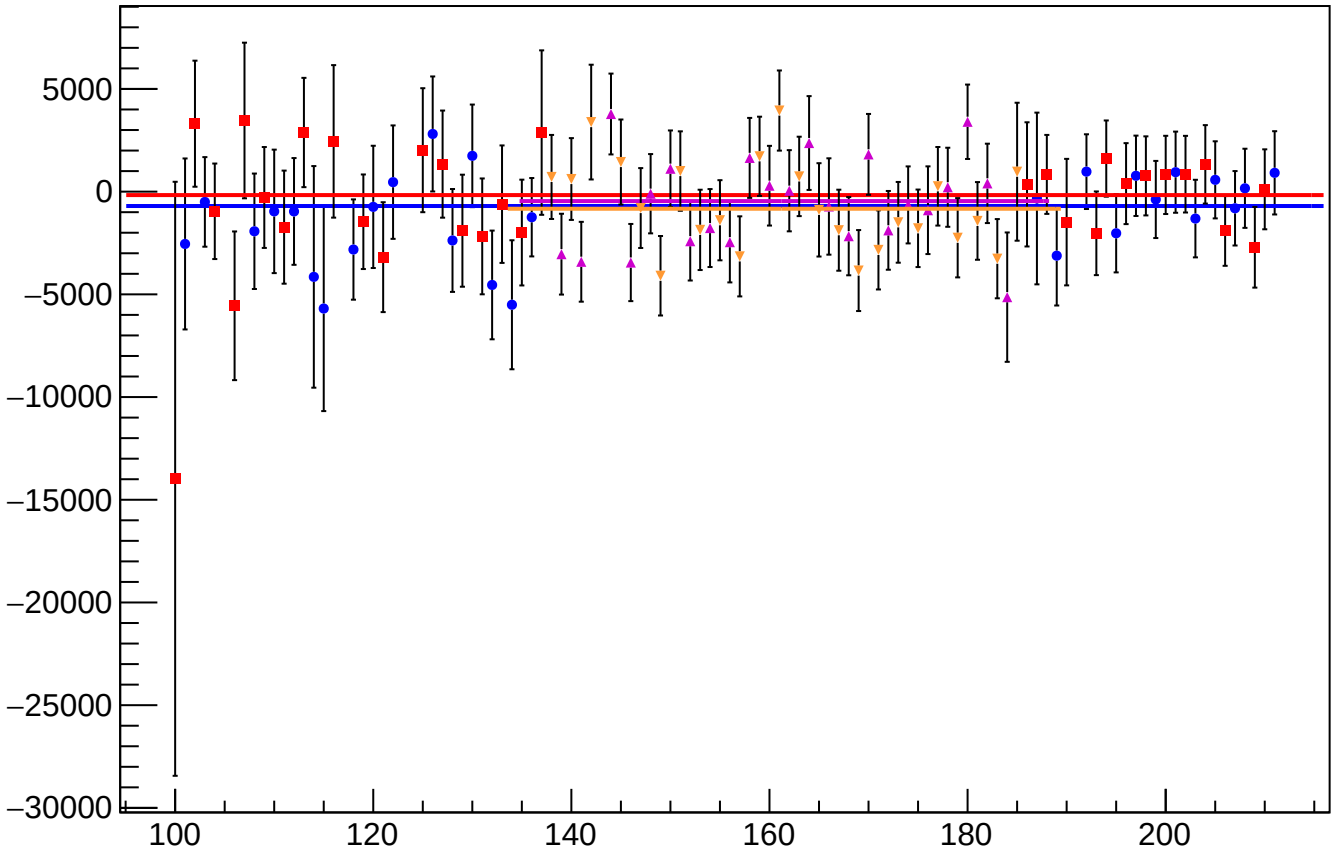
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1323.632+/-0.188 χ^2/NDF: 18440225.0/58

In: 822.248+/-0.110 χ^2/NDF:13194593.5/50

Out: 802.679+/-0.107 χ^2/NDF:15250534.9/54

All: 812.218+/-0.076 χ^2/NDF: 28461484.9/10



Right In: -699.661+/-443.048 χ^2/NDF: 15.3/27

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -167.412+/-430.829 χ^2/NDF: 18.5/30

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

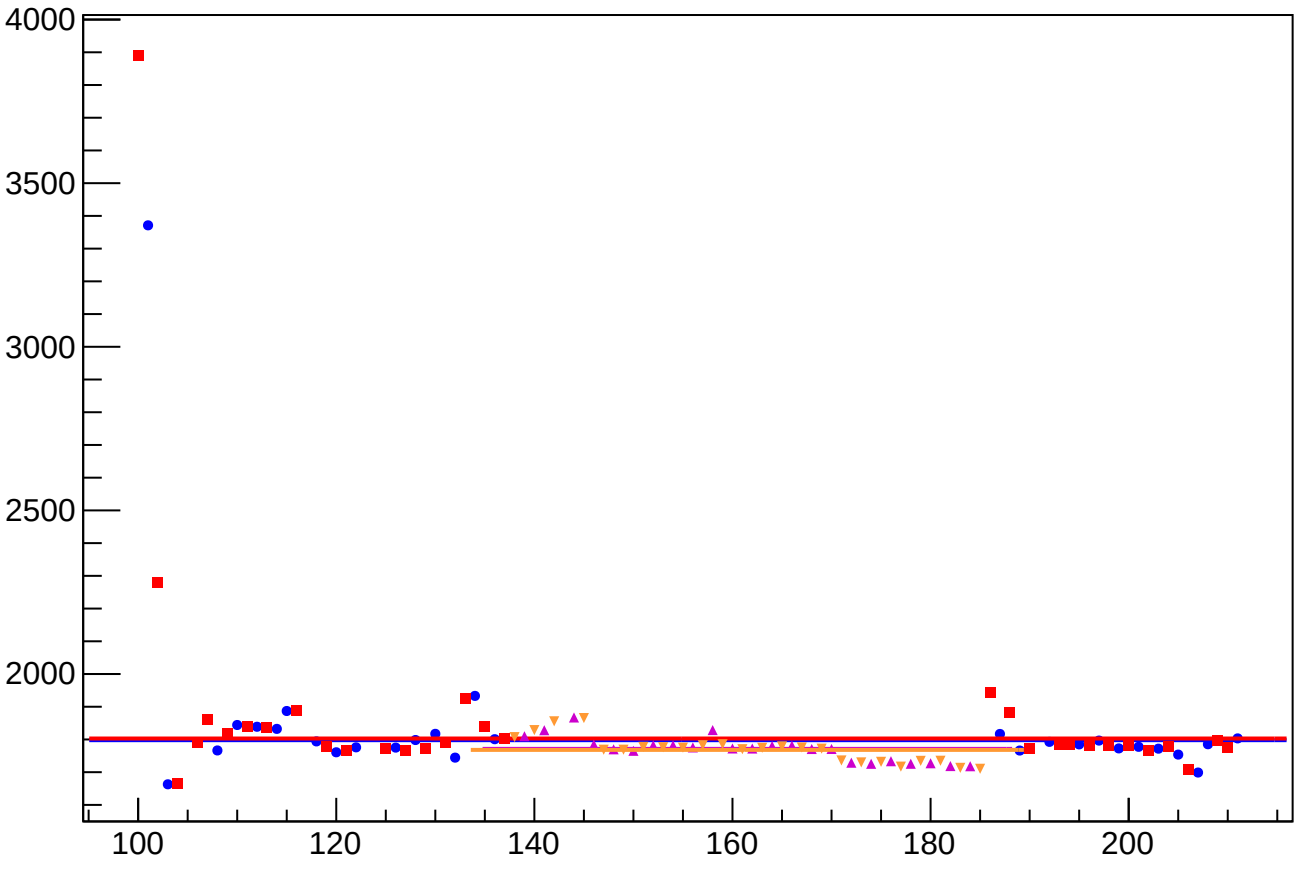
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -426.095+/-308.872 χ^2/NDF: 34.6/58

In: -571.374+/-302.349 χ^2/NDF:42.7/50

Out: -516.046+/-297.174 χ^2/NDF:45.2/54

All: -543.233+/-211.940 χ^2/NDF: 87.9/105



Right In: 1797.818+/-0.313 χ^2/NDF: 309235.6/27

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1802.905+/-0.305 χ^2/NDF: 121869.9/30

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

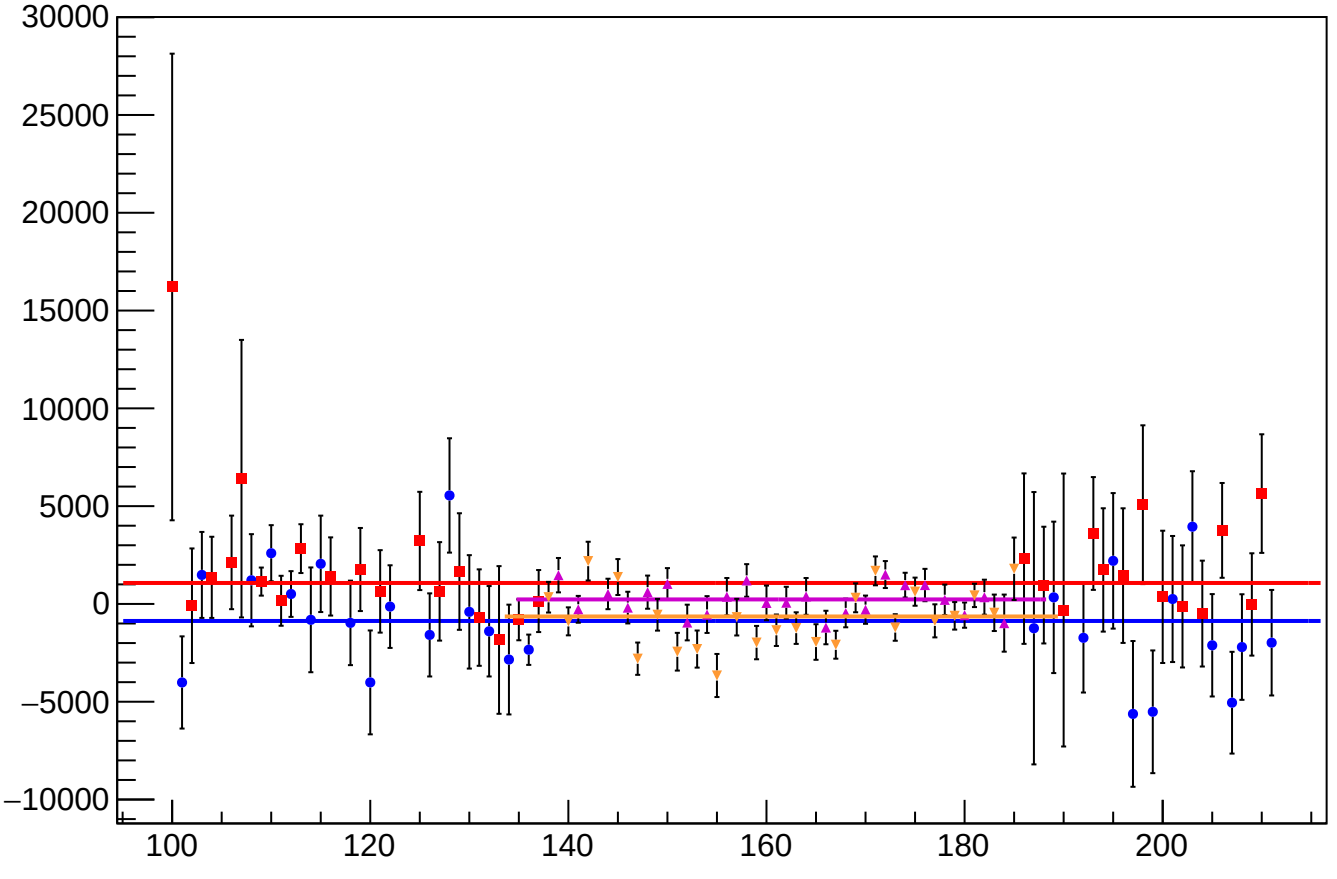
Right: 1800.433+/-0.218 χ^2/NDF: 431241.1/58

In: 1783.605+/-0.214 χ^2/NDF:329513.2/50

Out: 1784.673+/-0.210 χ^2/NDF:145060.6/54

All: 1784.149+/-0.150 χ^2/NDF: 474586.5/105

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -870.796+/-396.275 χ^2/NDF: 34.0/27

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1072.068+/-359.944 χ^2/NDF: 16.8/30

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

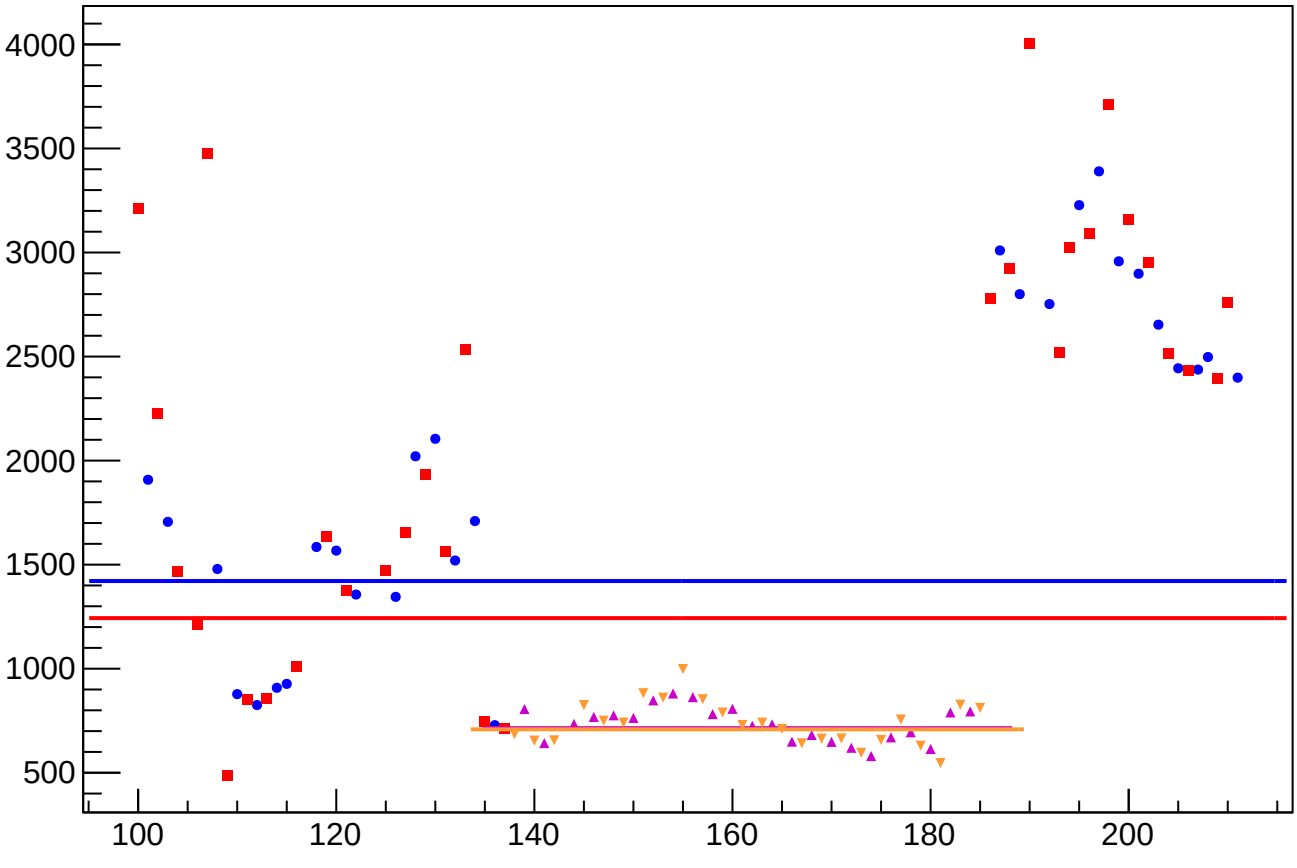
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 193.762+/-266.439 χ^2/NDF: 64.0/58

In: 62.236+/-154.924 χ^2/NDF:60.5/50

Out: -339.209+/-151.079 χ^2/NDF:102.2/54

All: -143.531+/-108.163 χ^2/NDF: 166.1/105



Right In: 1421.304+/-0.280 χ^2/NDF: 7302160.0/27

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1243.048+/-0.255 χ^2/NDF: 10916322.2/30

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

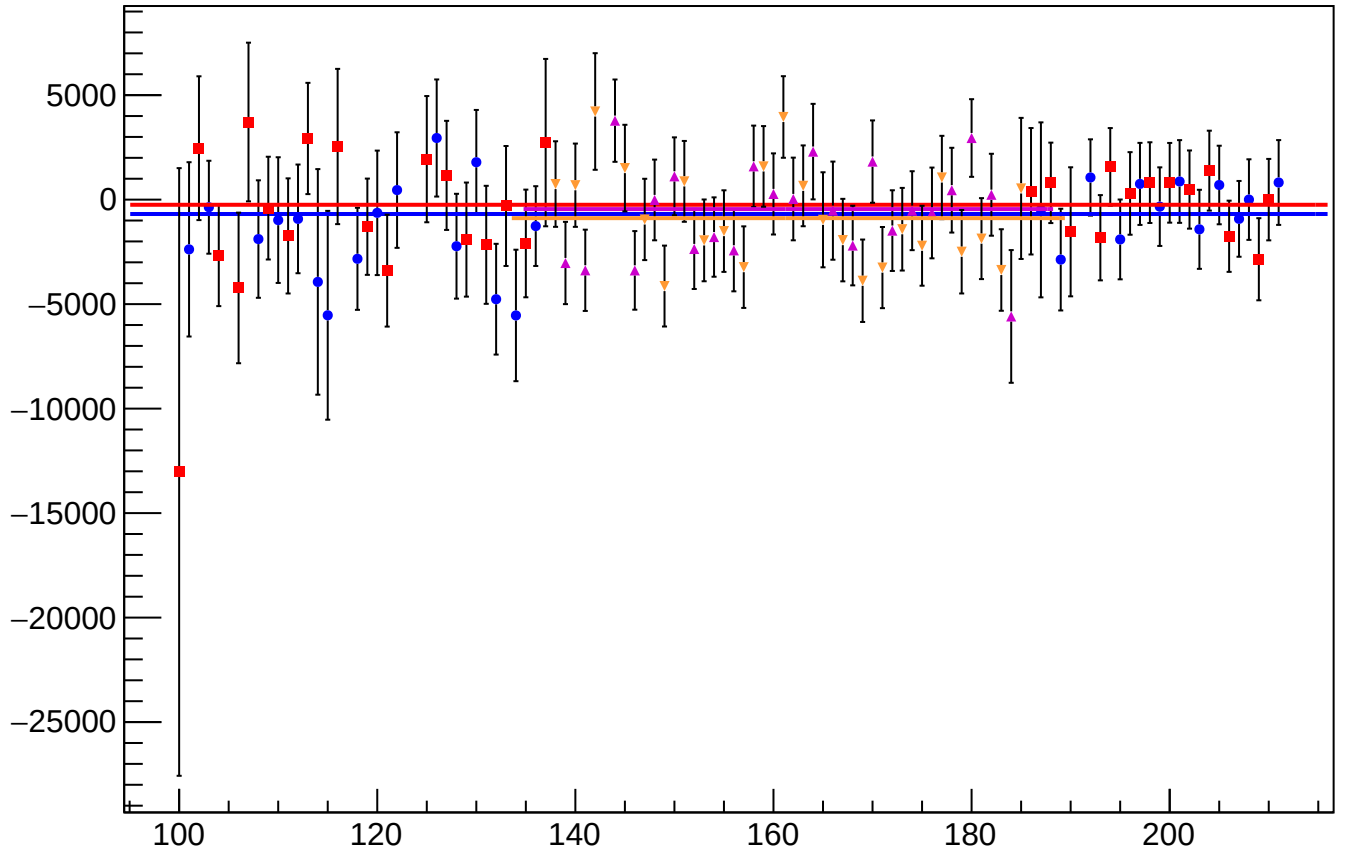
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1323.632+/-0.188 χ^2/NDF: 18440225.0/58

In: 822.248+/-0.110 χ^2/NDF:13194593.5/50

Out: 802.679+/-0.107 χ^2/NDF:15250534.9/54

All: 812.218+/-0.076 χ^2/NDF: 28461484.9/10



Right In: -687.900+/-444.059 χ^2/NDF: 15.2/27

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -246.320+/-432.961 χ^2/NDF: 17.5/30

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

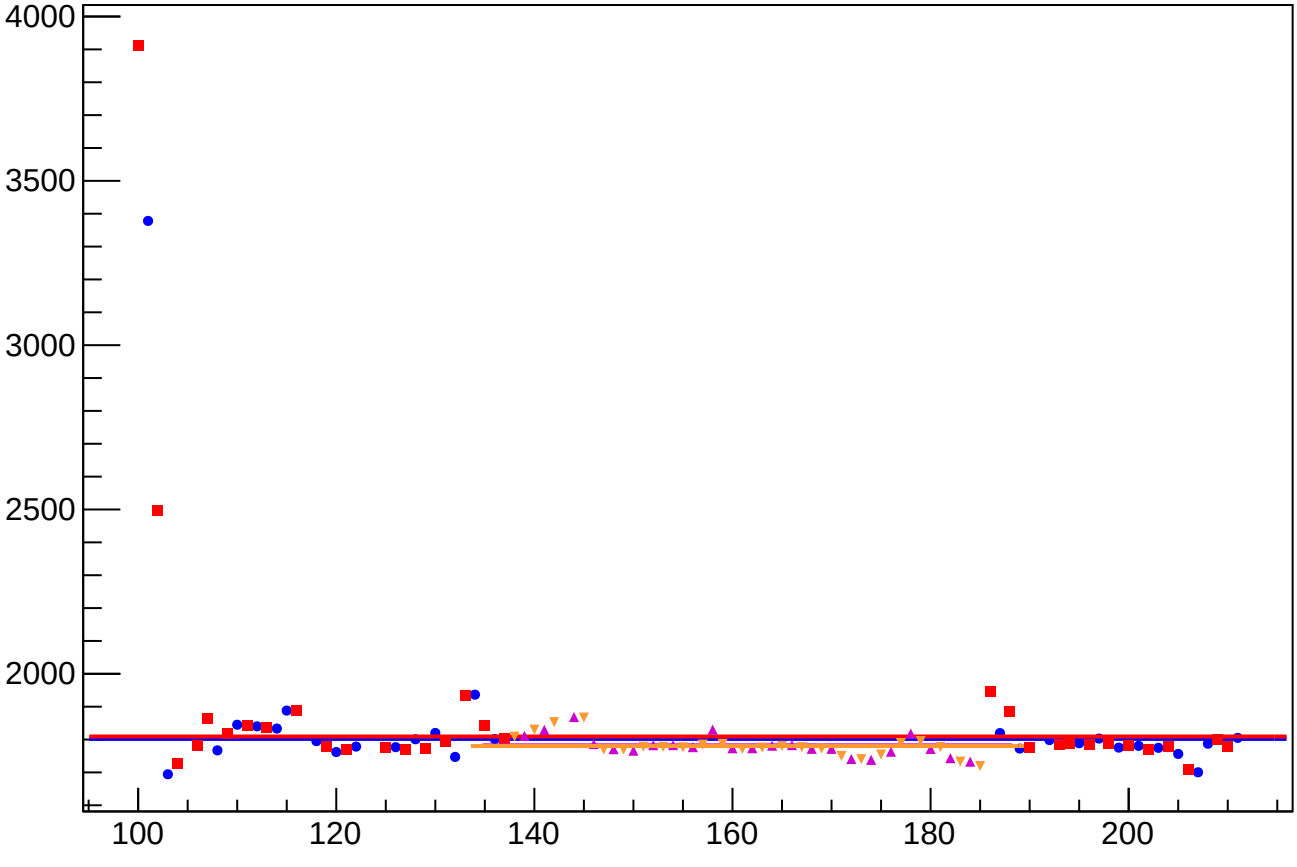
Right: -461.523+/-309.999 χ^2/NDF: 33.2/58

In: -562.977+/-303.669 χ^2/NDF:41.2/50

Out: -581.255+/-298.929 χ^2/NDF:46.8/54

All: -572.260+/-213.031 χ^2/NDF: 87.9/105

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1801.950+/-0.314 χ^2/NDF: 306520.0/27

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1809.241+/-0.306 χ^2/NDF: 149666.0/30

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

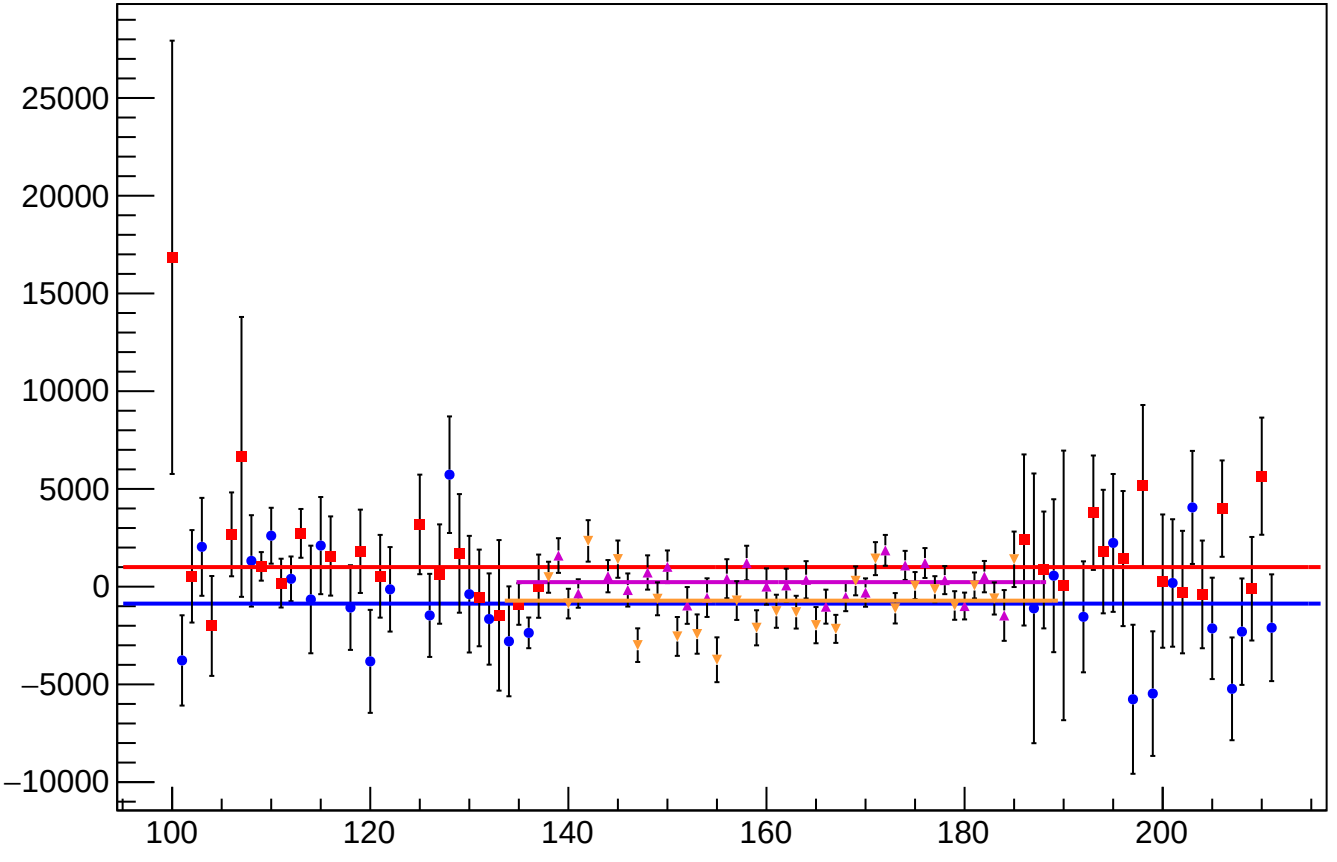
Right: 1805.687+/-0.219 χ^2/NDF: 456462.4/58

In: 1791.488+/-0.215 χ^2/NDF:319837.3/50

Out: 1794.054+/-0.211 χ^2/NDF:164748.3/54

All: 1792.791+/-0.151 χ^2/NDF: 484658.0/105

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -867.590+/-399.571 χ^2/NDF: 34.1/27

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 1001.072+/-362.228 χ^2/NDF: 19.1/30

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

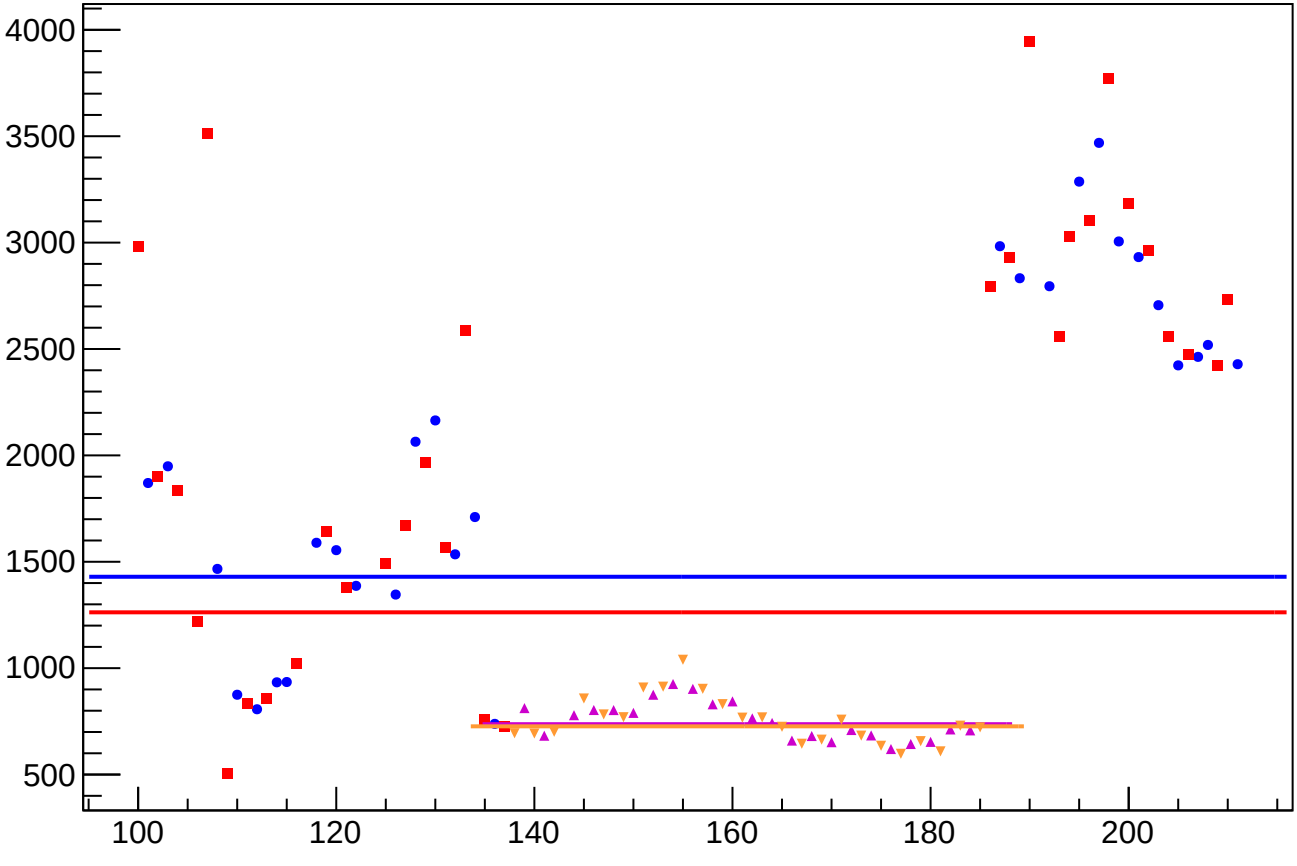
Right: 158.123+/-268.367 χ^2/NDF: 65.3/58

In: 57.105+/-159.095 χ^2/NDF:64.6/50

Out: -404.755+/-154.341 χ^2/NDF:96.9/54

All: -180.829+/-110.778 χ^2/NDF: 165.8/105

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1429.574+/-0.283 χ^2/NDF: 7446139.4/27

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1262.431+/-0.256 χ^2/NDF: 10810722.0/30

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

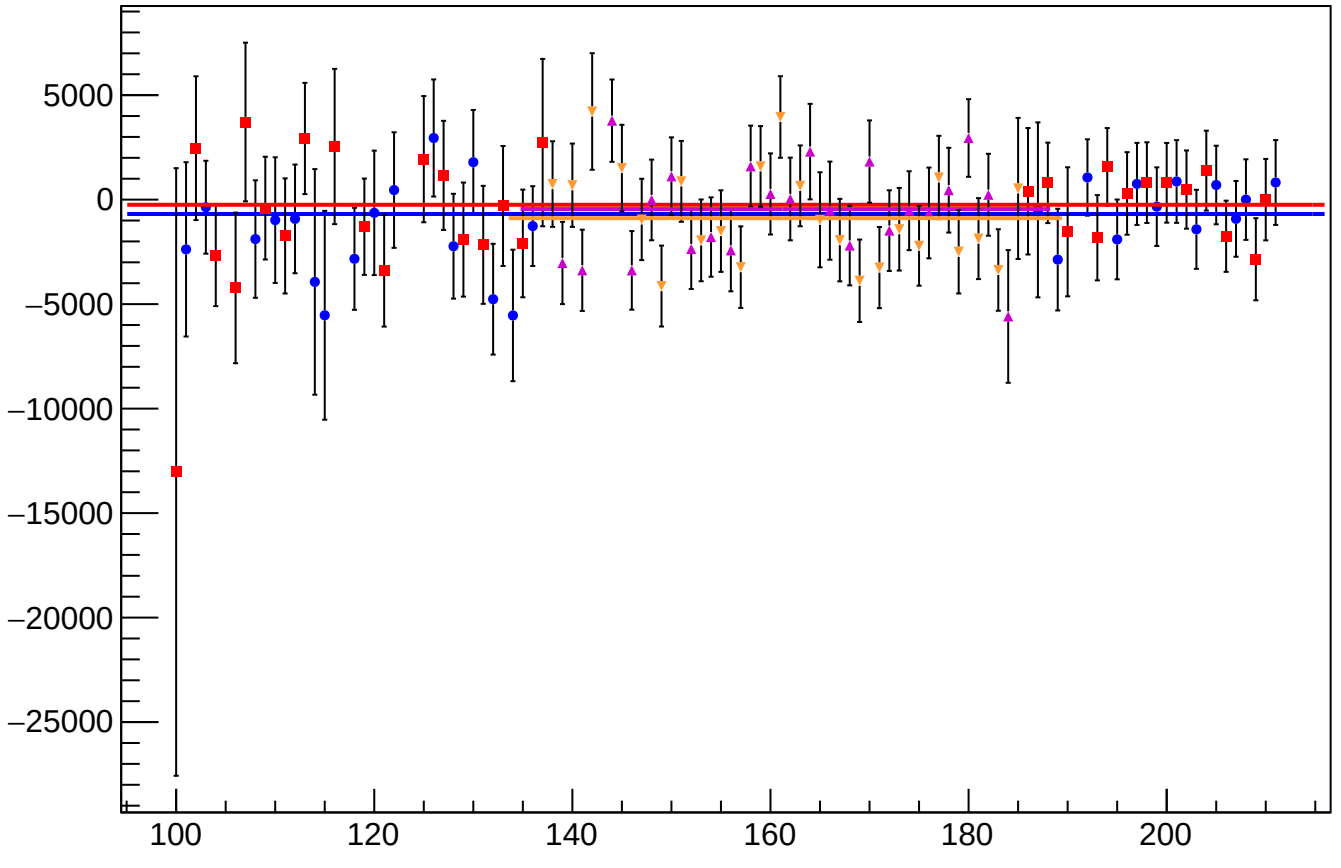
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1337.829+/-0.190 χ^2/NDF: 18448954.6/58

In: 846.553+/-0.112 χ^2/NDF:12971464.9/50

Out: 823.884+/-0.109 χ^2/NDF:15077354.3/54

All: 834.875+/-0.078 χ^2/NDF: 28069736.2/10



Right In: -687.901+/-444.059 χ^2/NDF: 15.2/27

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -246.320+/-432.961 χ^2/NDF: 17.5/30

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

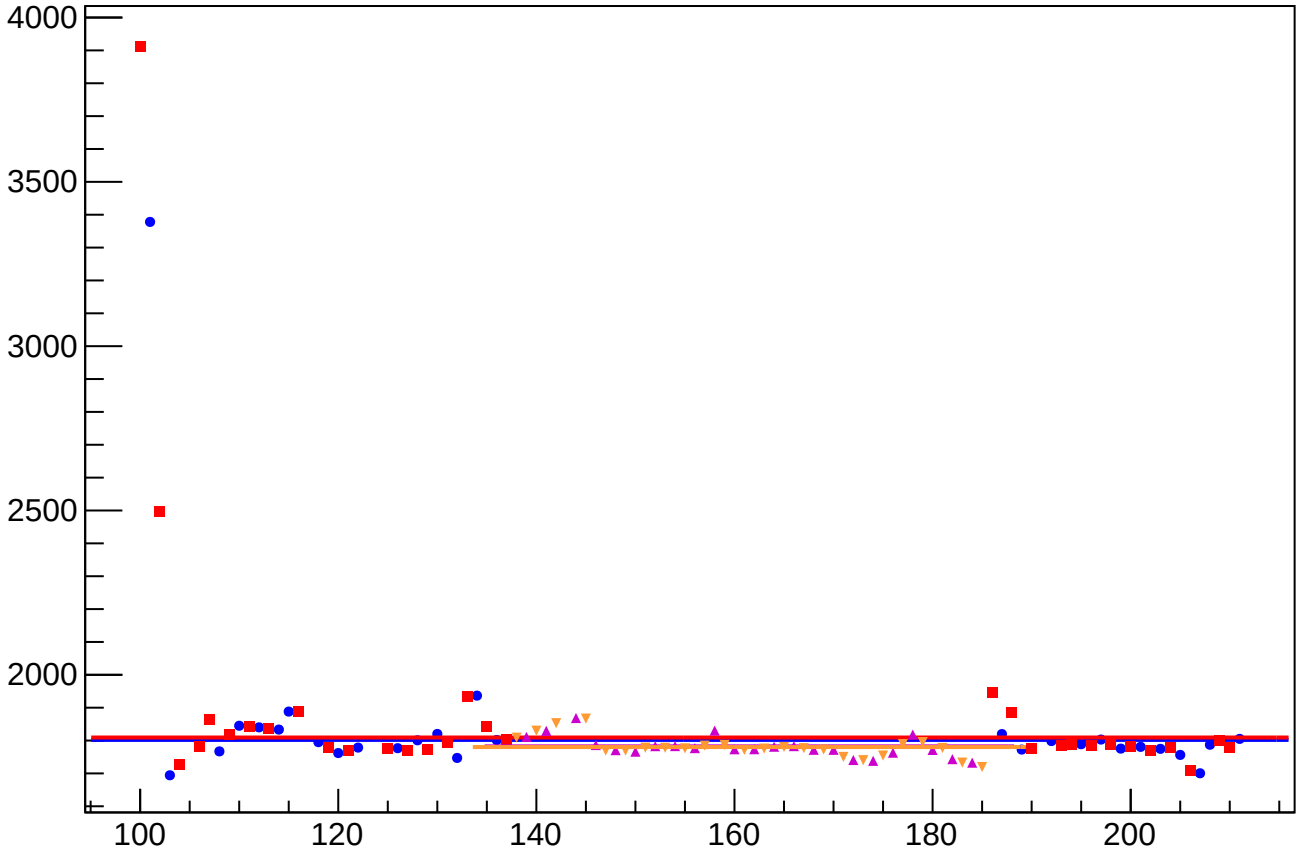
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -461.524+/-309.999 χ^2/NDF: 33.2/58

In: -562.977+/-303.669 χ^2/NDF:41.2/50

Out: -581.255+/-298.929 χ^2/NDF:46.8/54

All: -572.260+/-213.031 χ^2/NDF: 87.9/105



Right In: 1801.950+/-0.314 χ^2/NDF: 306519.9/27

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1809.241+/-0.306 χ^2/NDF: 149666.1/30

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

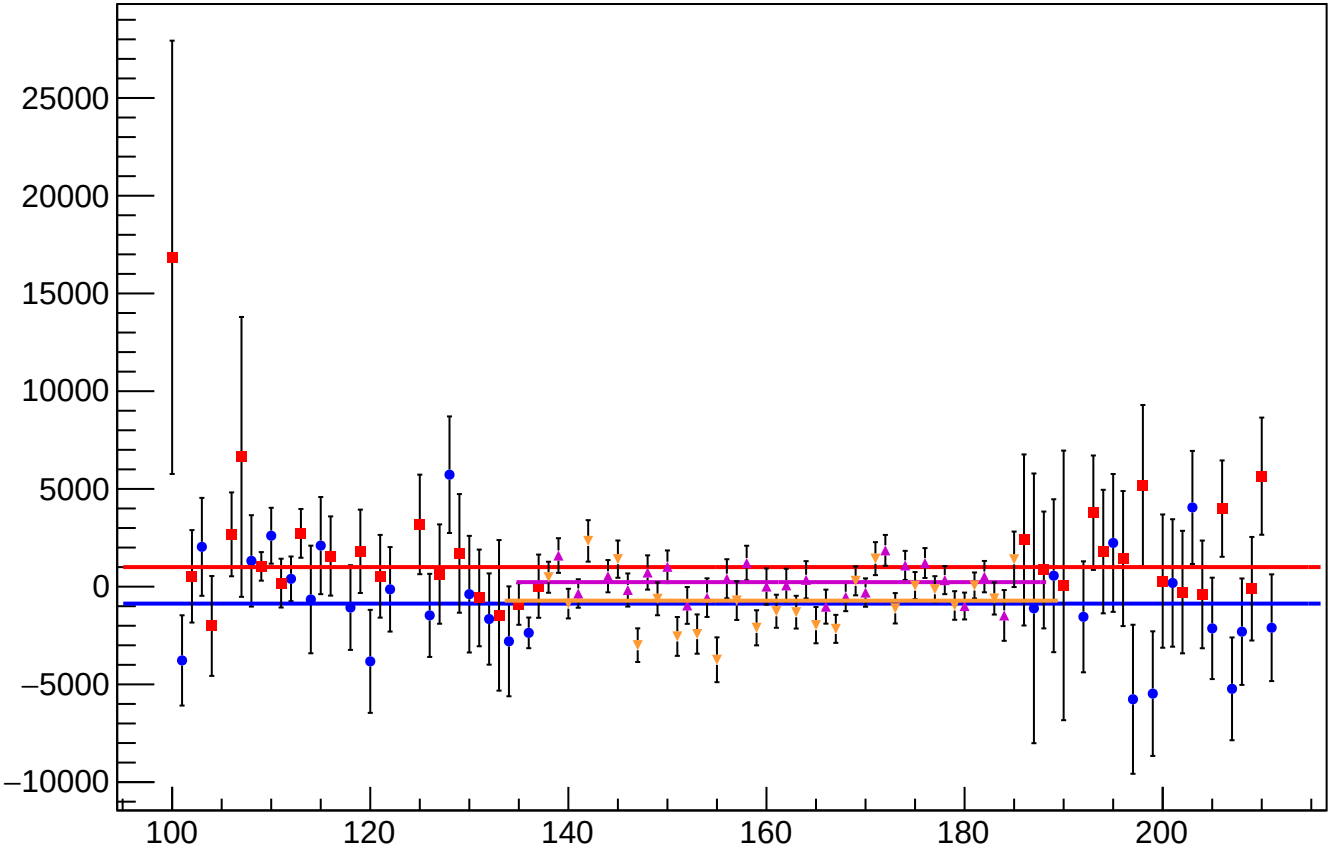
Right: 1805.687+/-0.219 χ^2/NDF: 456462.4/58

In: 1791.488+/-0.215 χ^2/NDF:319837.3/50

Out: 1794.054+/-0.211 χ^2/NDF:164748.4/54

All: 1792.791+/-0.151 χ^2/NDF: 484658.2/105

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -867.579+/-399.571 χ^2/NDF: 34.1/27

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 1001.078+/-362.228 χ^2/NDF: 19.1/30

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

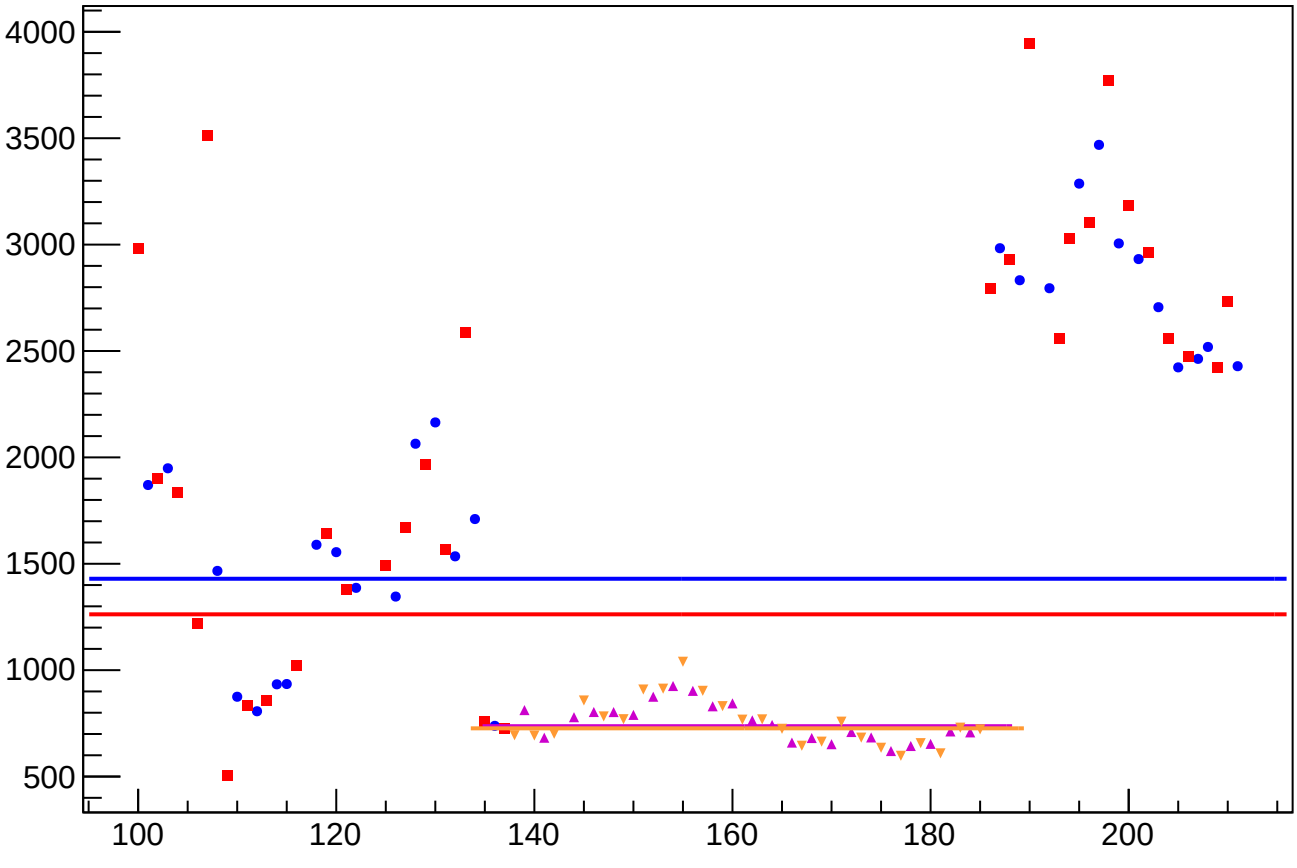
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

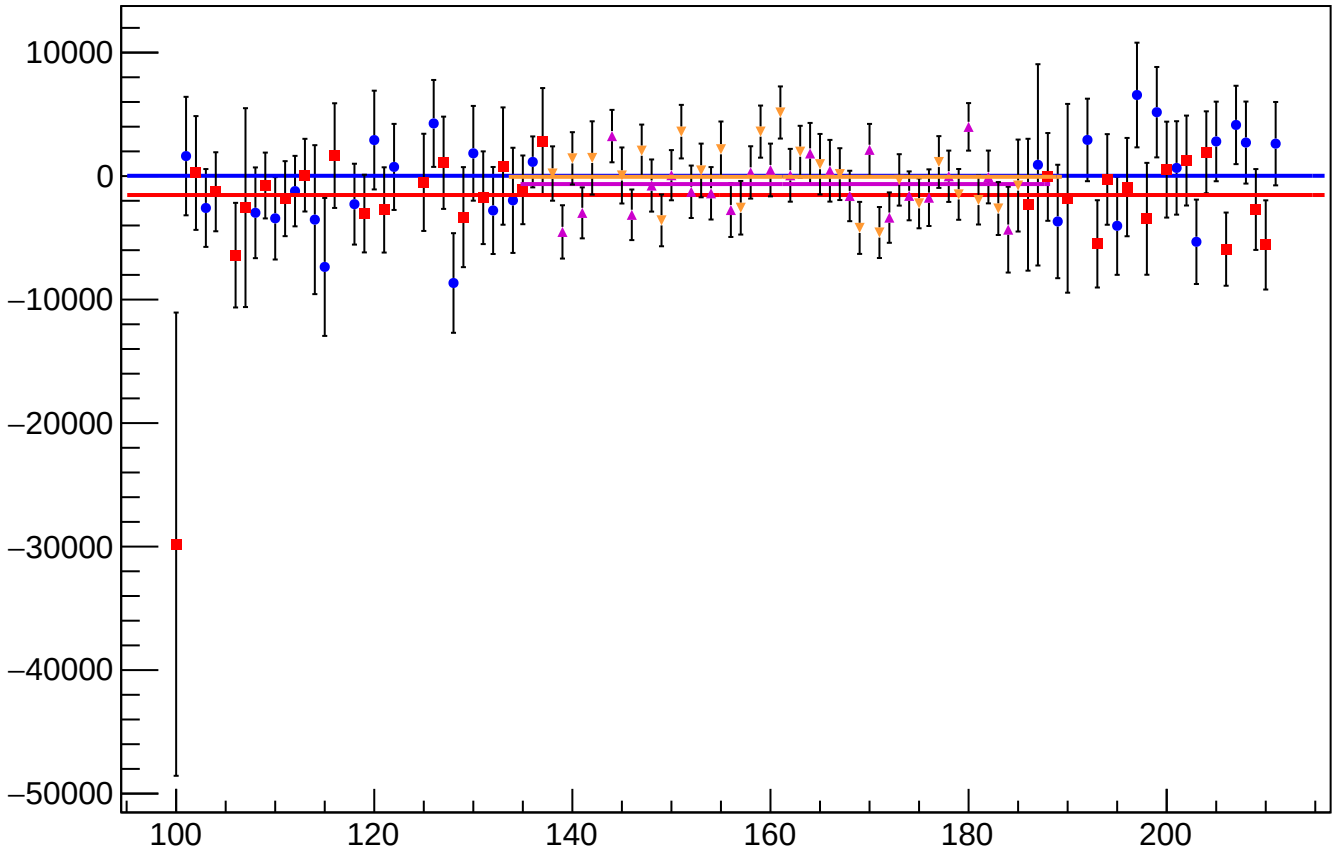
Right: 158.131+/-268.367 χ^2/NDF: 65.3/58

In: 57.105+/-159.095 χ^2/NDF:64.6/50

Out: -404.755+/-154.341 χ^2/NDF:96.9/54

All: -180.828+/-110.778 χ^2/NDF: 165.8/105


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1429.577+/-0.283 χ²/NDF: 7446087.5/27
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1262.434+/-0.256 χ²/NDF: 10810682.2/30
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1337.832+/-0.190 χ²/NDF: 18448863.2/58
In: 846.552+/-0.112 χ²/NDF:12971467.5/50
Out: 823.885+/-0.109 χ²/NDF:15077334.6/54
All: 834.875+/-0.078 χ²/NDF: 28069717.6/10



Right In: 23.986+/-676.496 χ^2/NDF: 26.3/27

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1532.988+/-669.050 χ^2/NDF: 14.4/30

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

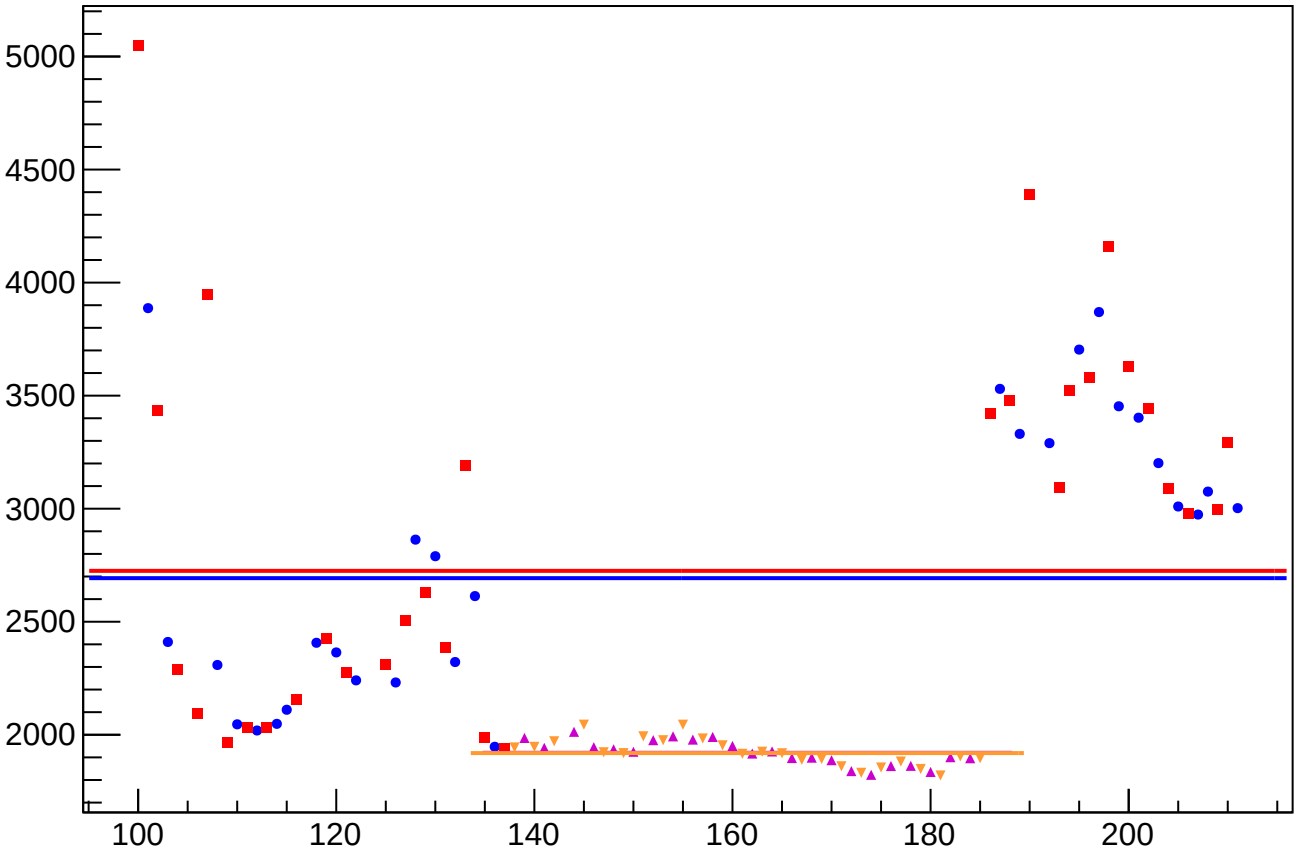
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -763.117+/-475.700 χ^2/NDF: 43.4/58

In: -442.040+/-373.832 χ^2/NDF:50.6/50

Out: -512.335+/-370.873 χ^2/NDF:50.8/54

All: -477.466+/-263.287 χ^2/NDF: 101.4/105



Right In: 2692.756+/-0.478 χ^2/NDF: 1466152.4/27

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2725.066+/-0.473 χ^2/NDF: 1861194.7/30

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

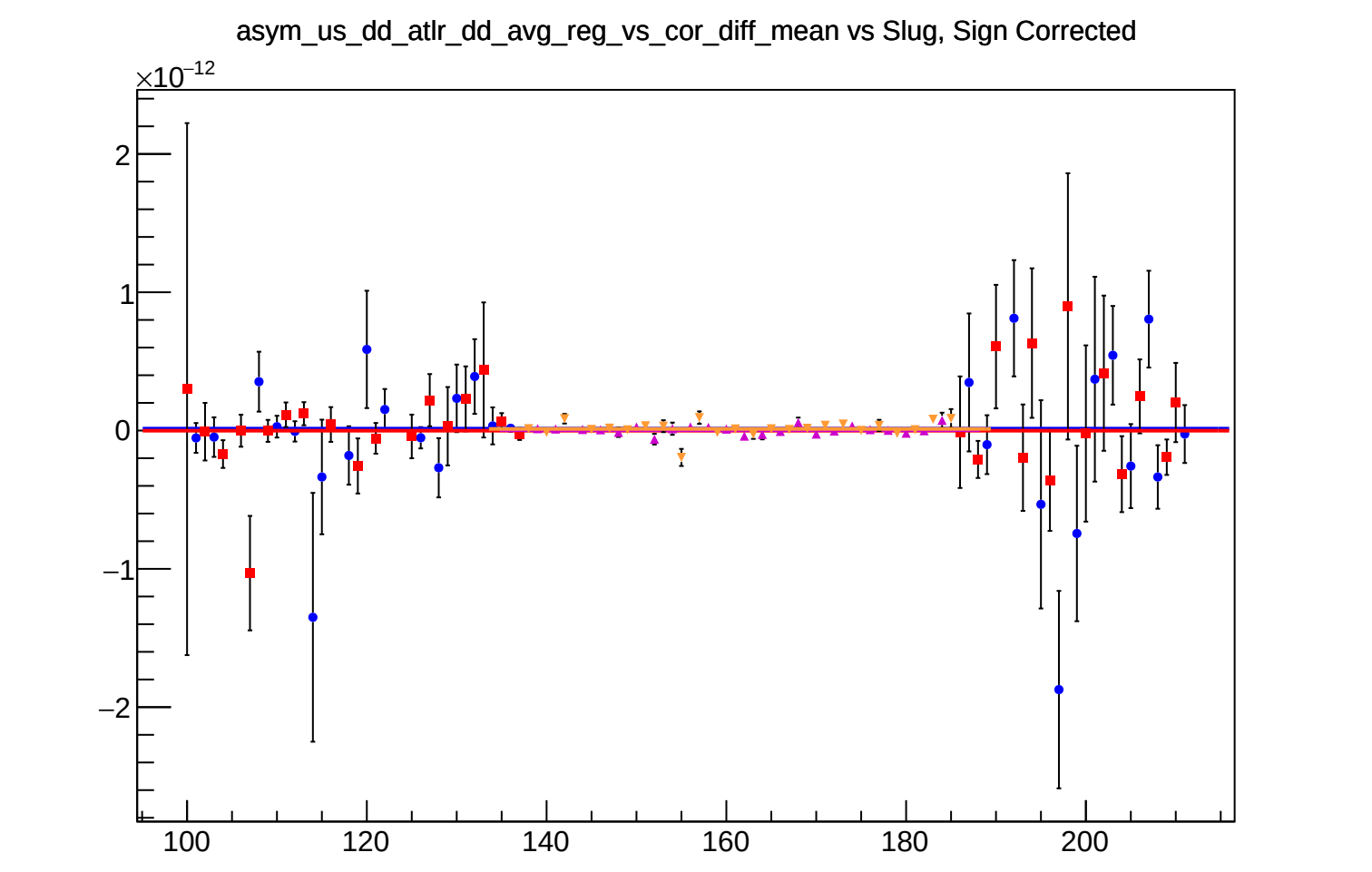
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2709.090+/-0.336 χ^2/NDF: 3329653.5/58

In: 2156.125+/-0.264 χ^2/NDF:3307818.4/50

Out: 2166.673+/-0.262 χ^2/NDF:3907908.9/54

All: 2161.440+/-0.186 χ^2/NDF: 7216529.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

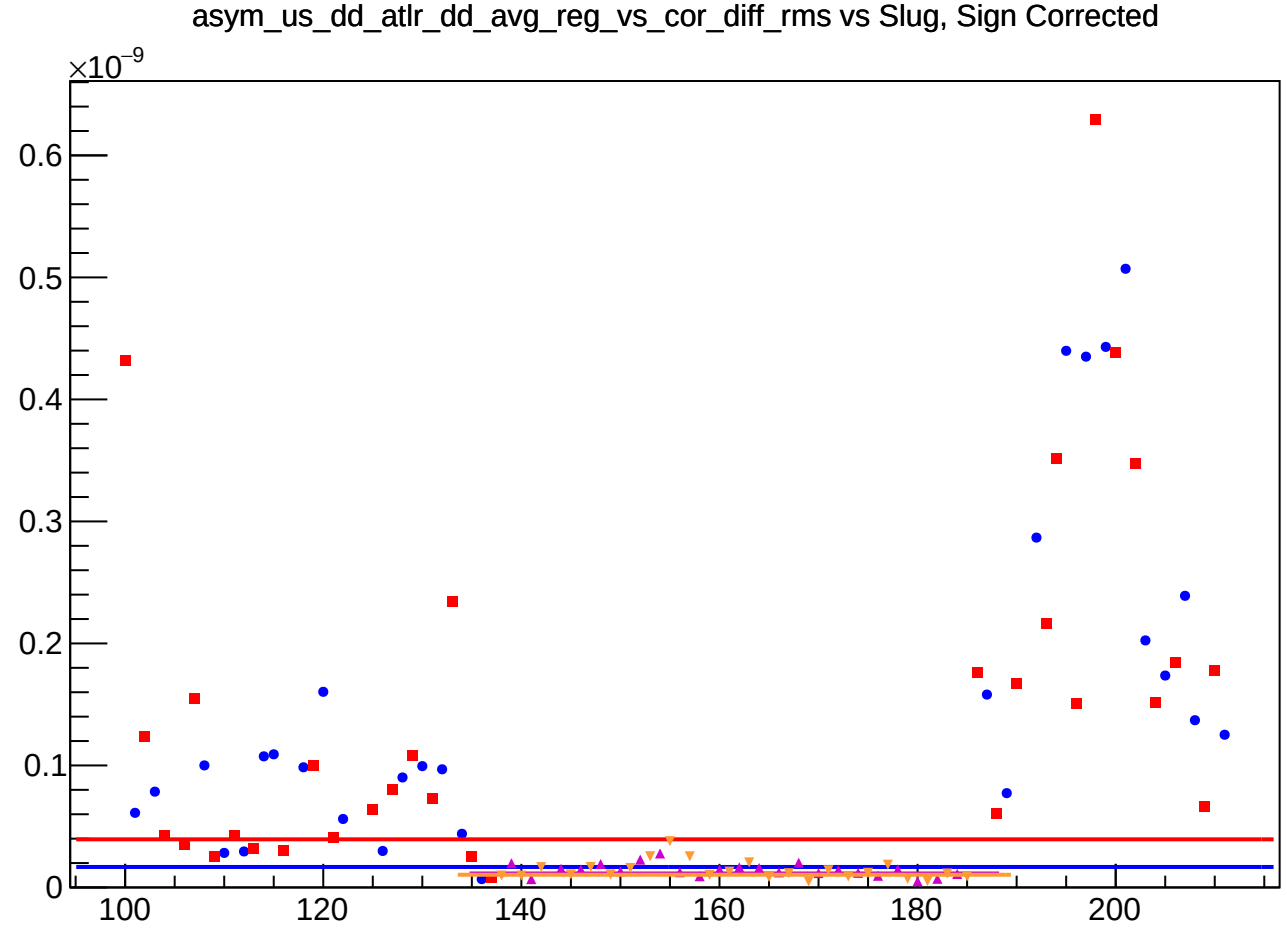
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 72.2/58

In: 0.000+/-0.000 χ^2/NDF:59.1/50

Out: 0.000+/-0.000 χ^2/NDF:71.3/54

All: 0.000+/-0.000 χ^2/NDF: 131.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 10736101.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7956340.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

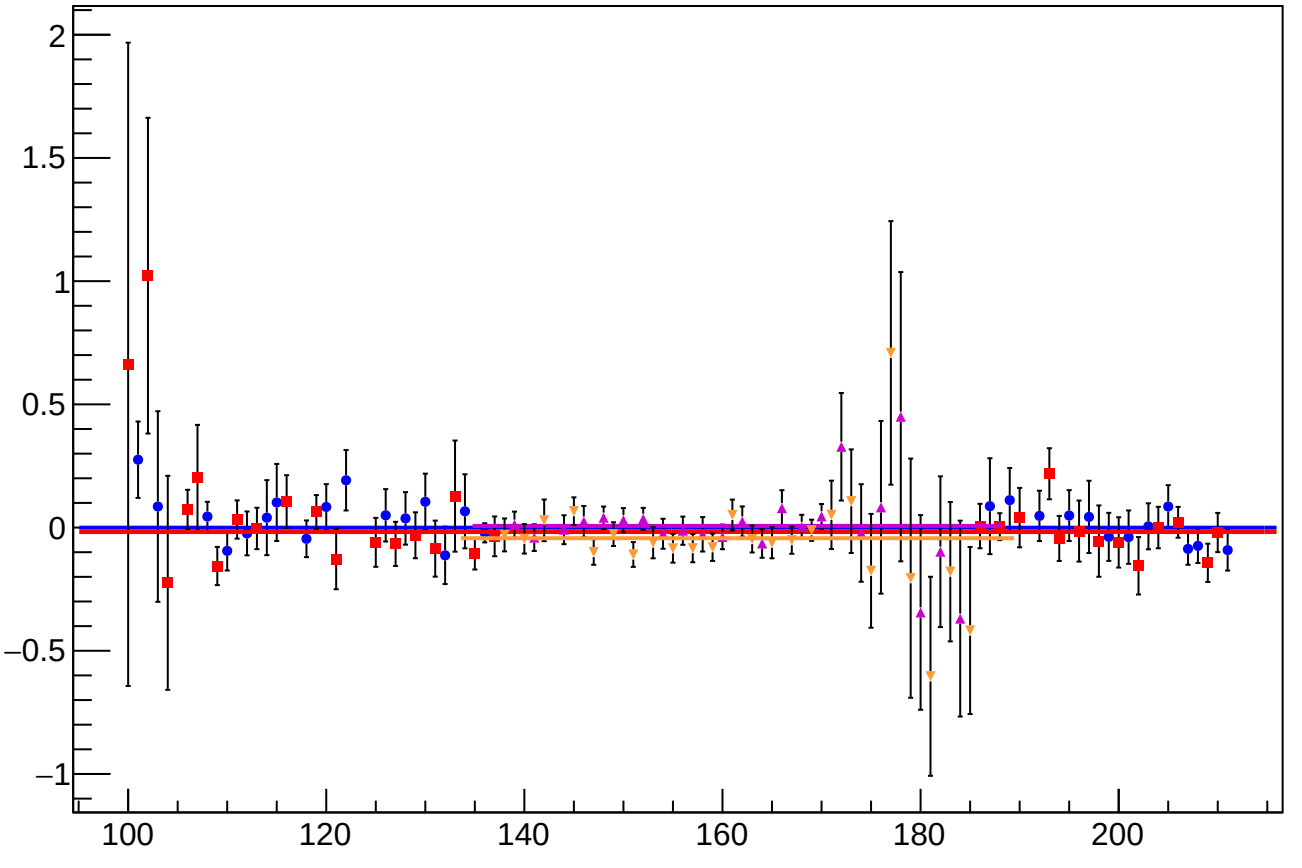
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 20130592.2/58

In: 0.000+/-0.000 χ^2/NDF:12892315.3/50

Out: 0.000+/-0.000 χ^2/NDF:13125888.0/54

All: 0.000+/-0.000 χ^2/NDF: 26028836.3/105



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

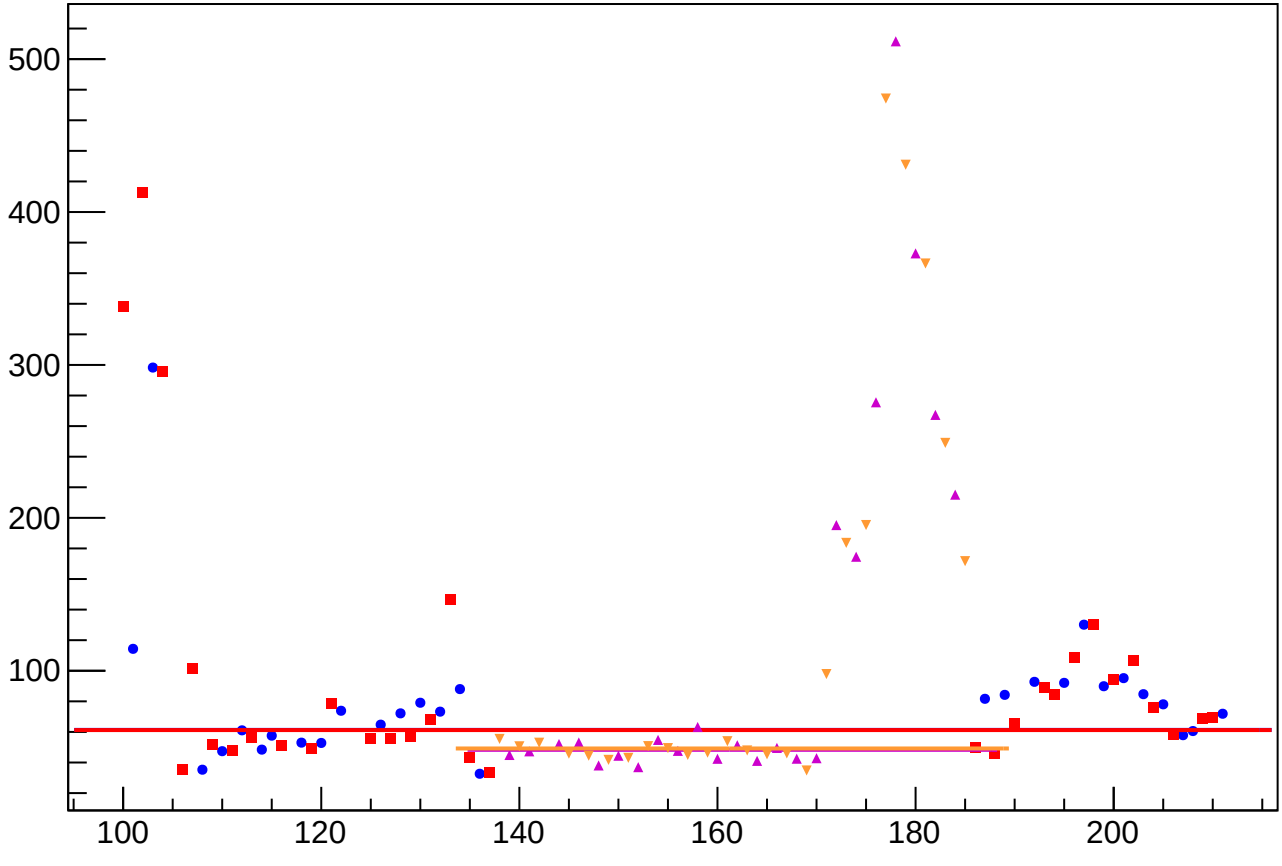
Right: -0.010+/-0.012 χ^2/NDF: 45.8/58

In: 0.004+/-0.011 χ^2/NDF:30.3/50

Out: -0.033+/-0.011 χ^2/NDF:46.6/54

All: -0.014+/-0.008 χ^2/NDF: 82.9/105

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.327+/-0.012 χ^2/NDF: 4239216.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 61.216+/-0.012 χ^2/NDF: 4317942.7/30

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

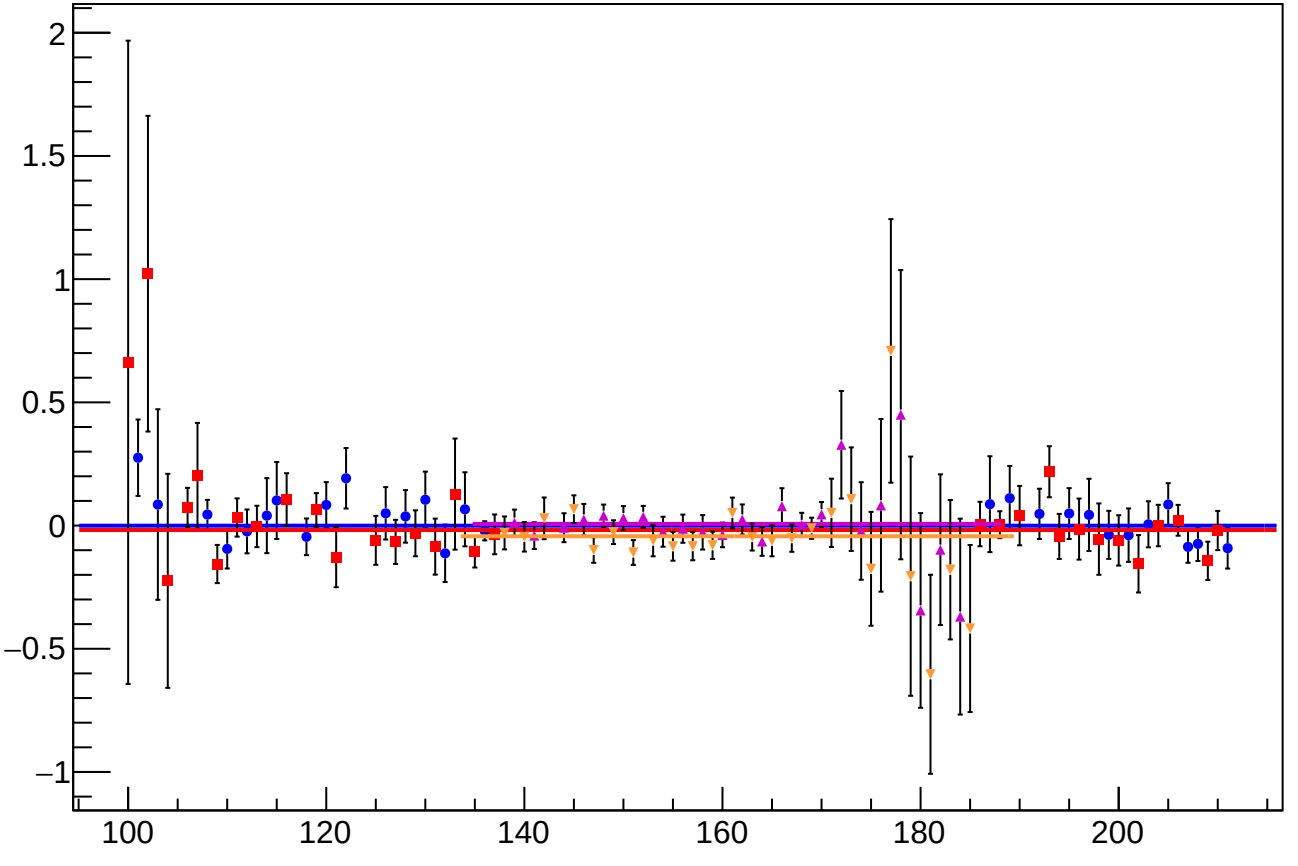
Right: 61.270+/-0.008 χ^2/NDF: 8557202.7/58

In: 53.337+/-0.007 χ^2/NDF:11996148.0/50

Out: 54.132+/-0.008 χ^2/NDF:12184448.4/54

All: 53.731+/-0.005 χ^2/NDF: 24186188.9/105

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

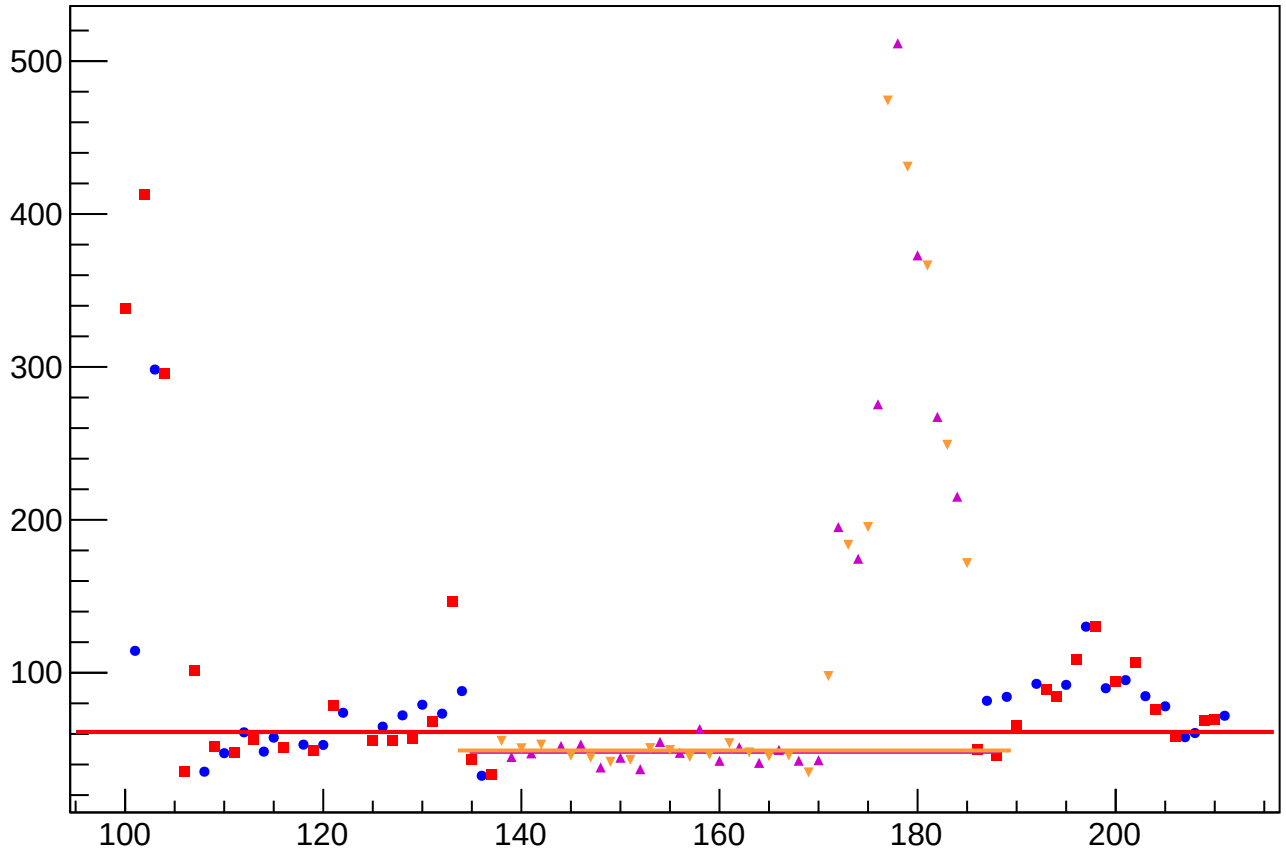
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.010+/-0.012 χ^2/NDF: 45.8/58

In: 0.004+/-0.011 χ^2/NDF:30.3/50

Out: -0.033+/-0.011 χ^2/NDF:46.6/54

All: -0.014+/-0.008 χ^2/NDF: 82.9/105



Right In: 61.327+/-0.012 χ^2/NDF: 4239216.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 61.216+/-0.012 χ^2/NDF: 4317942.7/30

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

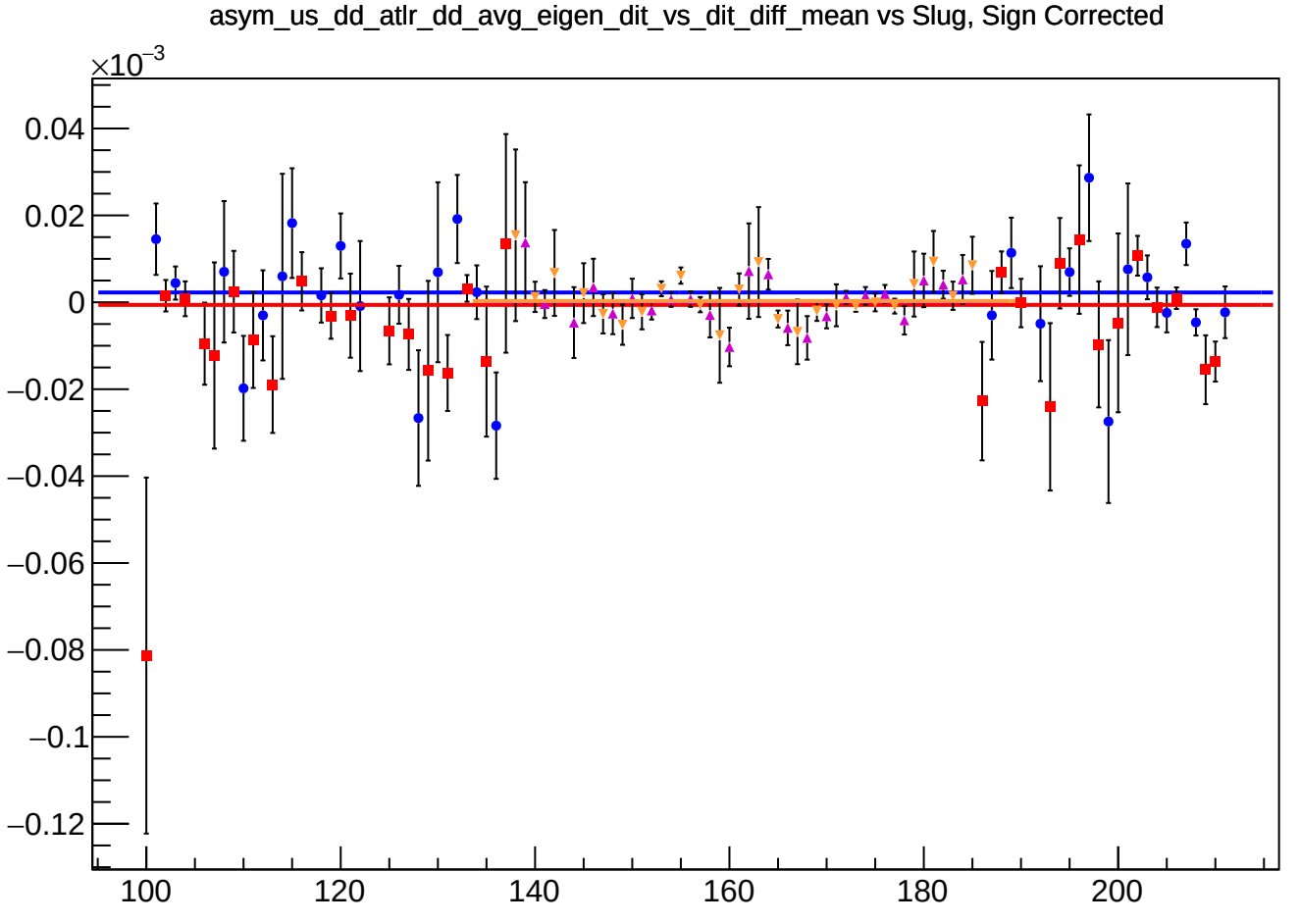
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 61.270+/-0.008 χ^2/NDF: 8557202.7/58

In: 53.337+/-0.007 χ^2/NDF:11996148.0/50

Out: 54.132+/-0.008 χ^2/NDF:12184448.4/54

All: 53.731+/-0.005 χ^2/NDF: 24186188.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 43.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 44.1/30

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

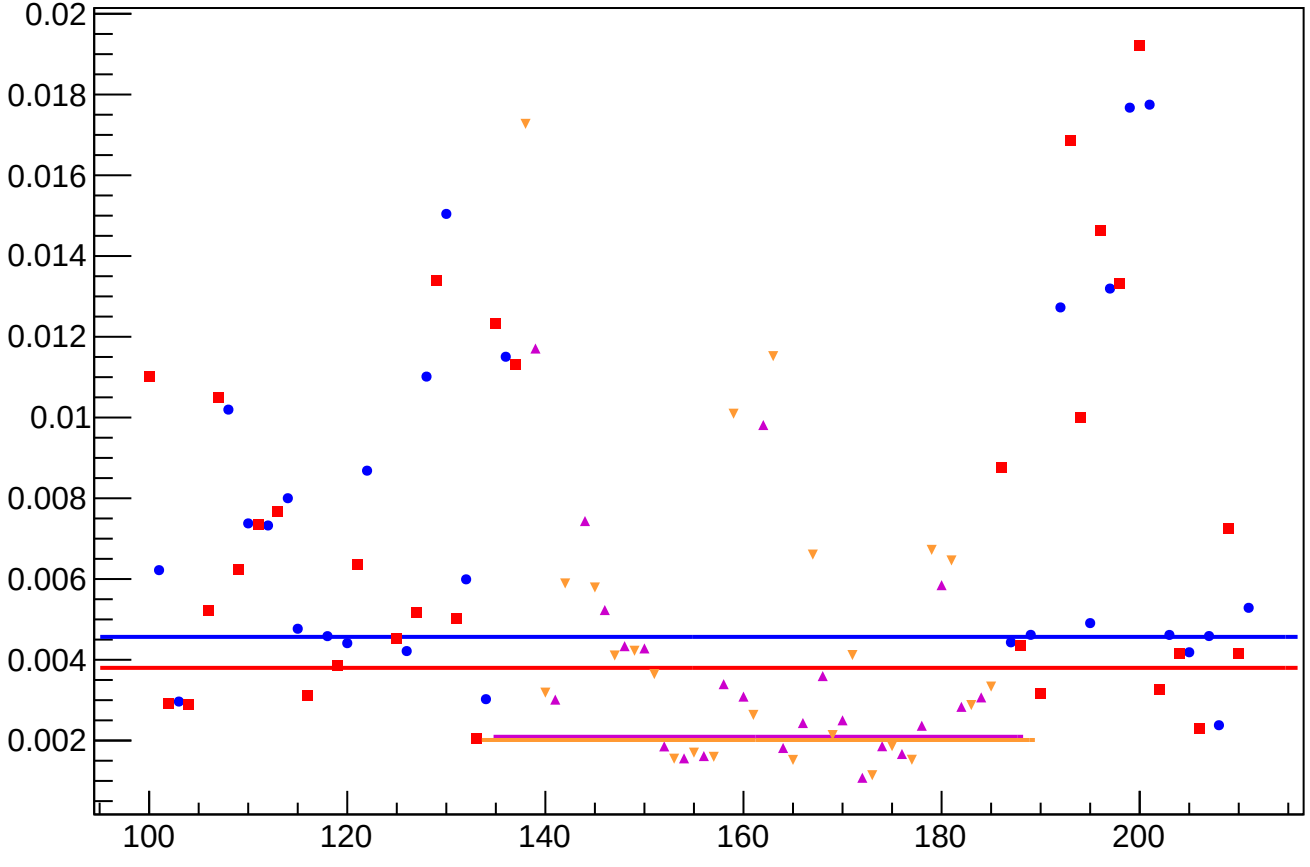
Right: 0.000+/-0.000 χ^2/NDF: 90.4/58

In: 0.000+/-0.000 χ^2/NDF:70.9/50

Out: 0.000+/-0.000 χ^2/NDF:73.4/54

All: 0.000+/-0.000 χ^2/NDF: 144.7/105

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7219577.0/27

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9021977.8/30

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

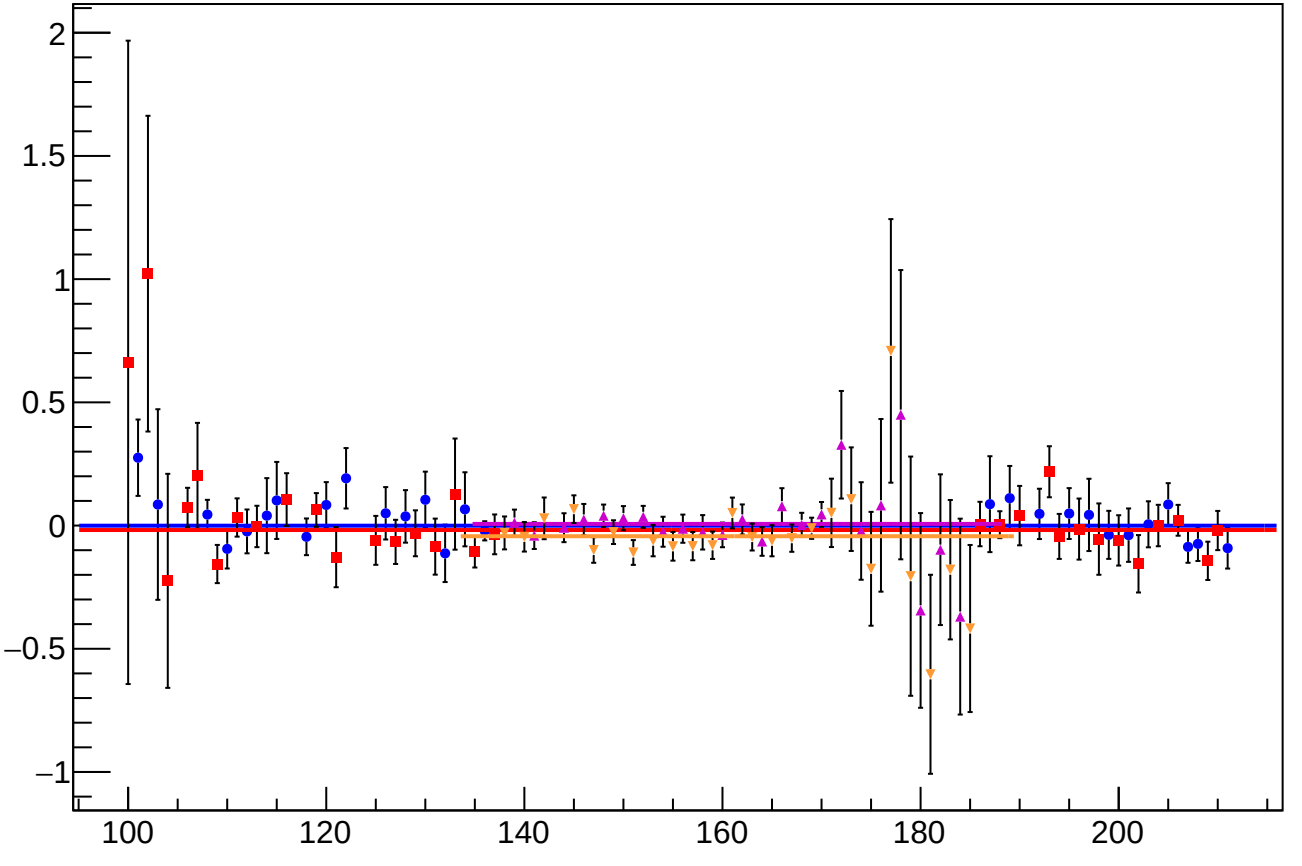
Right: 0.004+/-0.000 χ^2/NDF: 16641768.1/58

In: 0.003+/-0.000 χ^2/NDF:20162531.0/50

Out: 0.002+/-0.000 χ^2/NDF:23480145.5/54

All: 0.002+/-0.000 χ^2/NDF: 43708987.7/105

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

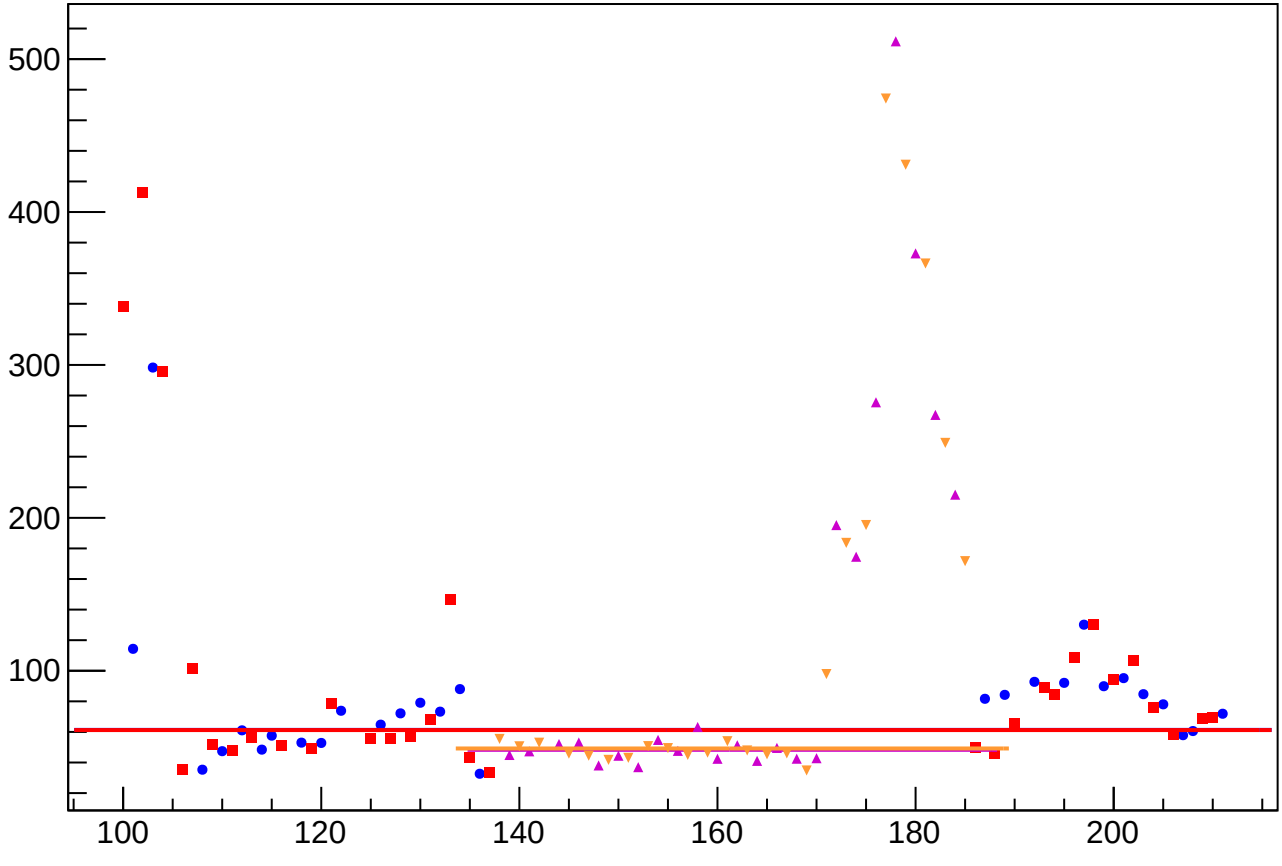
Right: -0.010+/-0.012 χ^2/NDF: 45.8/58

In: 0.004+/-0.011 χ^2/NDF:30.3/50

Out: -0.033+/-0.011 χ^2/NDF:46.6/54

All: -0.014+/-0.008 χ^2/NDF: 82.9/105

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.327+/-0.012 χ^2/NDF: 4239065.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 61.216+/-0.012 χ^2/NDF: 4317799.6/30

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

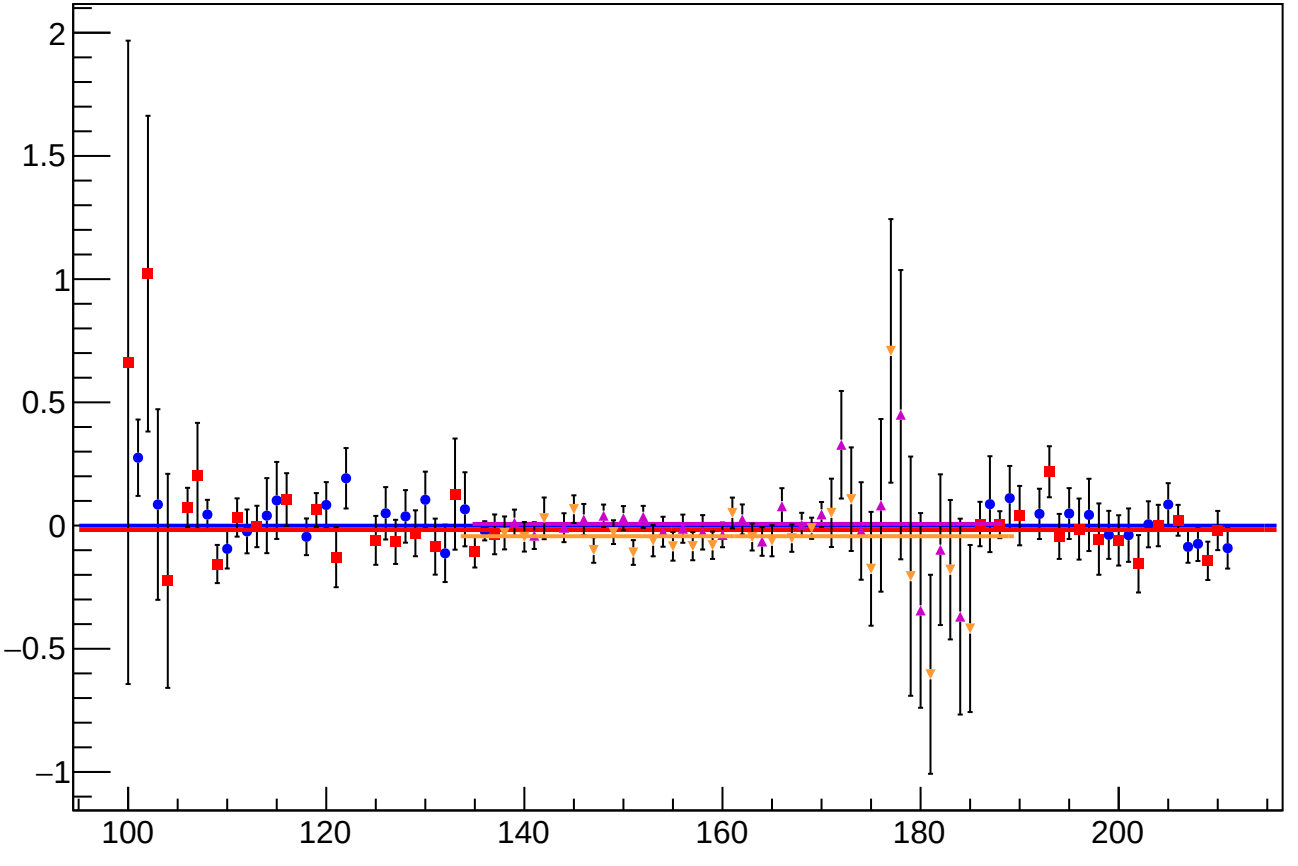
Right: 61.270+/-0.008 χ^2/NDF: 8556908.3/58

In: 53.337+/-0.007 χ^2/NDF:11995915.5/50

Out: 54.132+/-0.008 χ^2/NDF:12184409.1/54

All: 53.731+/-0.005 χ^2/NDF: 24185912.9/105

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 18.9/27

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/30

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

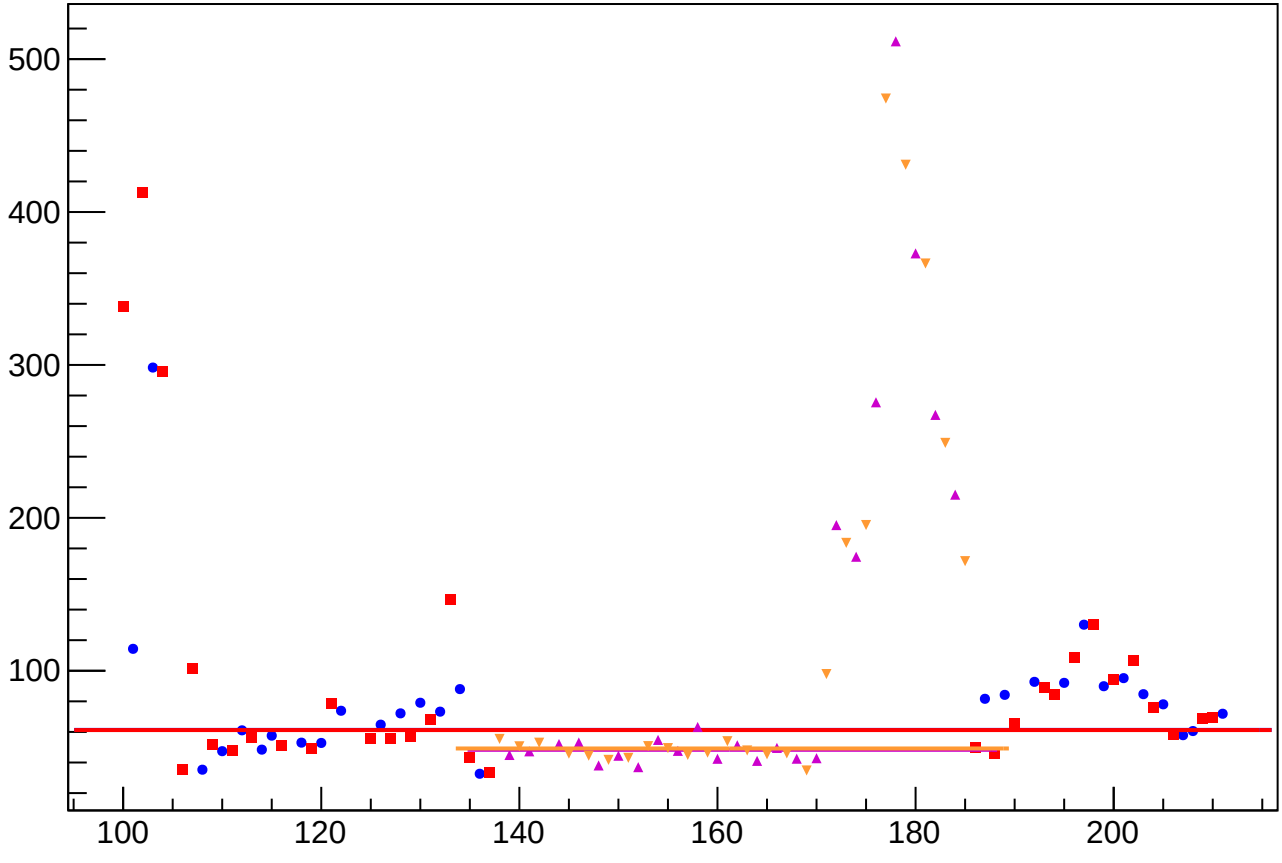
Right: -0.010+/-0.012 χ^2/NDF: 45.8/58

In: 0.004+/-0.011 χ^2/NDF:30.3/50

Out: -0.033+/-0.011 χ^2/NDF:46.6/54

All: -0.014+/-0.008 χ^2/NDF: 82.9/105

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.327+/-0.012 χ^2/NDF: 4239065.6/27

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 61.216+/-0.012 χ^2/NDF: 4317799.6/30

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

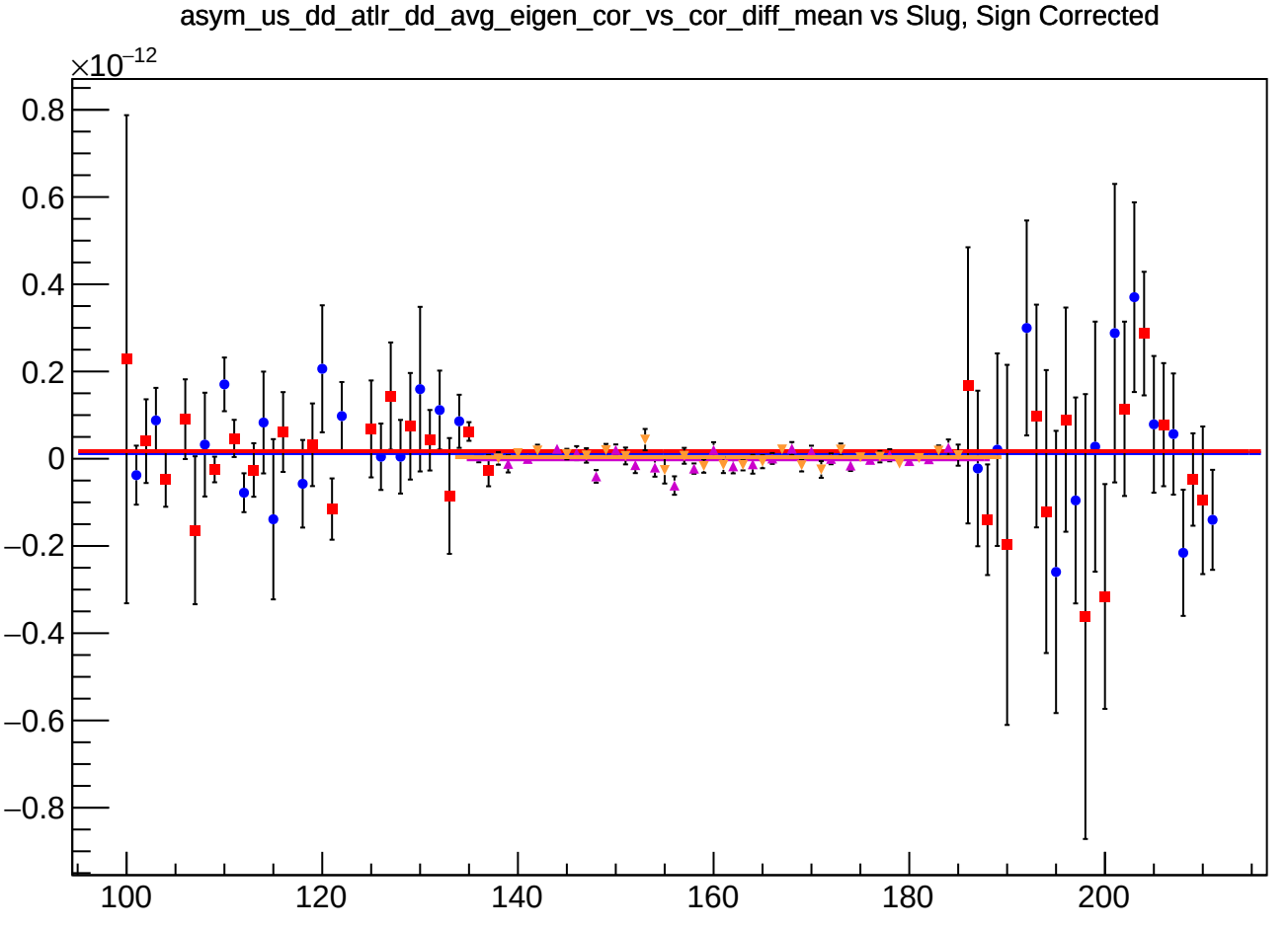
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 61.270+/-0.008 χ^2/NDF: 8556908.3/58

In: 53.337+/-0.007 χ^2/NDF:11995915.5/50

Out: 54.132+/-0.008 χ^2/NDF:12184409.1/54

All: 53.731+/-0.005 χ^2/NDF: 24185912.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

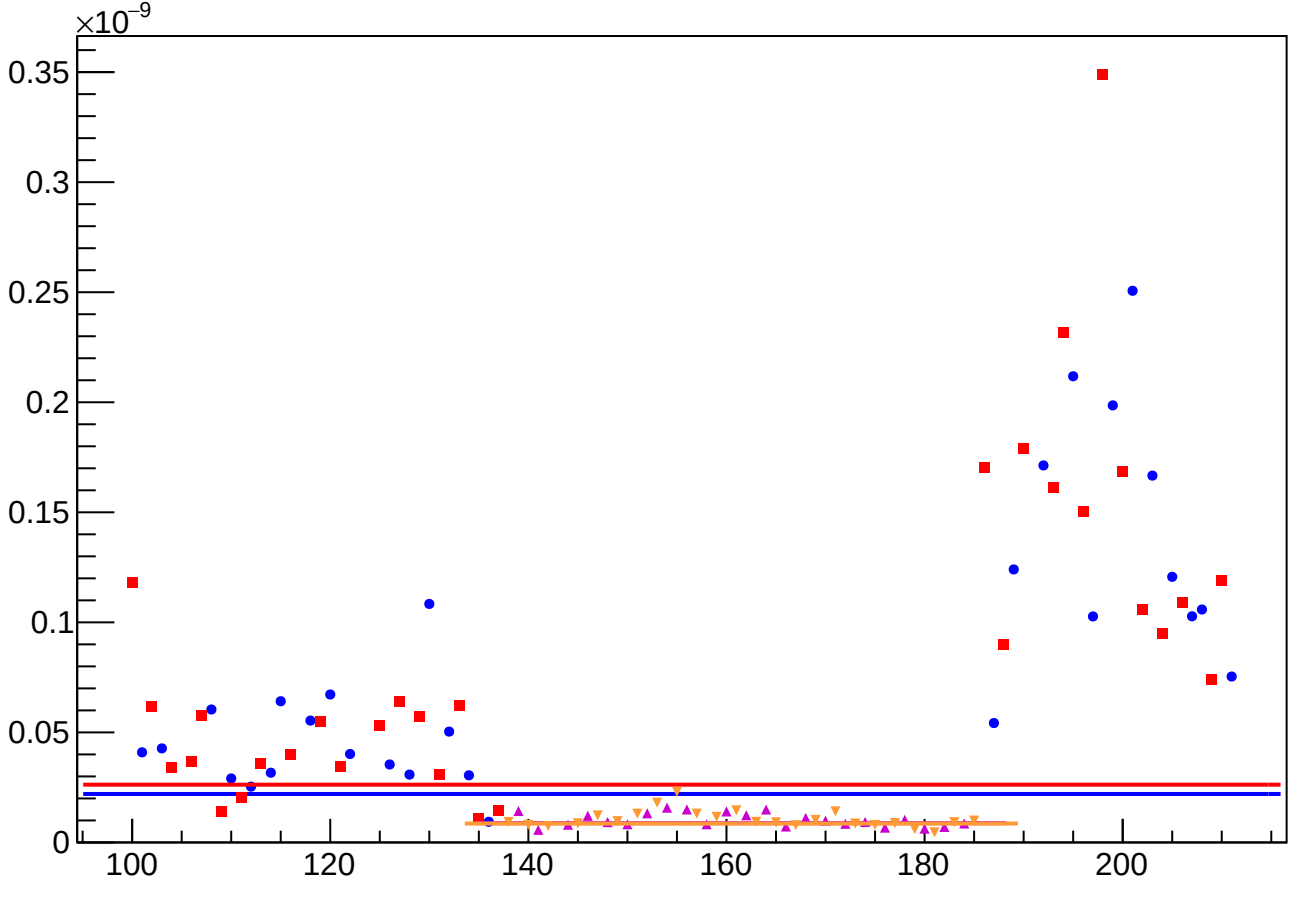
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 58.1/58

In: -0.000+/-0.000 χ^2/NDF:72.2/50

Out: 0.000+/-0.000 χ^2/NDF:53.3/54

All: 0.000+/-0.000 χ^2/NDF: 127.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 10923713.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9866414.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

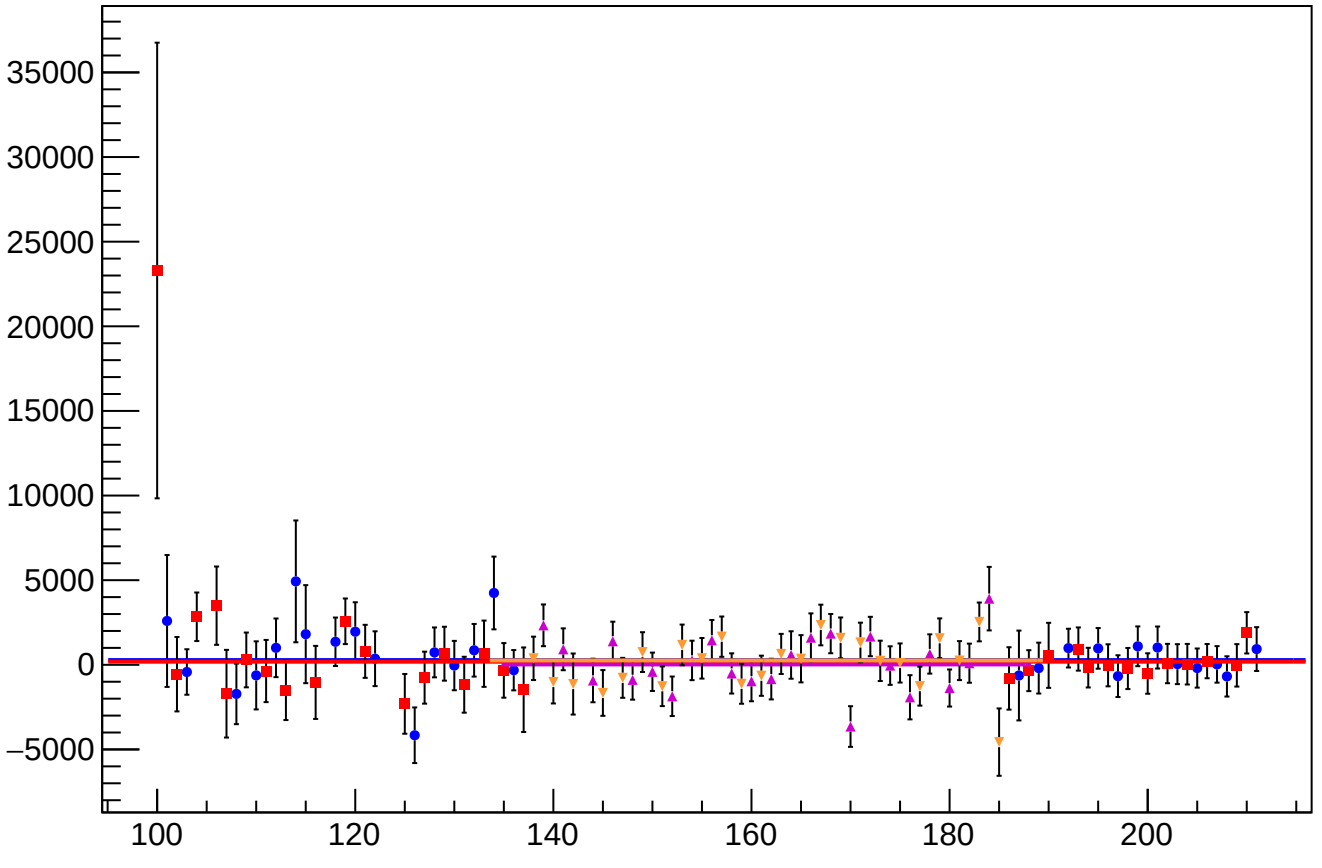
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 20921774.0/58

In: 0.000+/-0.000 χ^2/NDF:15587006.5/50

Out: 0.000+/-0.000 χ^2/NDF:16378690.6/54

All: 0.000+/-0.000 χ^2/NDF: 31967095.9/105



Right In: 278.437+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 184.527+/-268.702 χ^2/NDF: 20.8/30

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

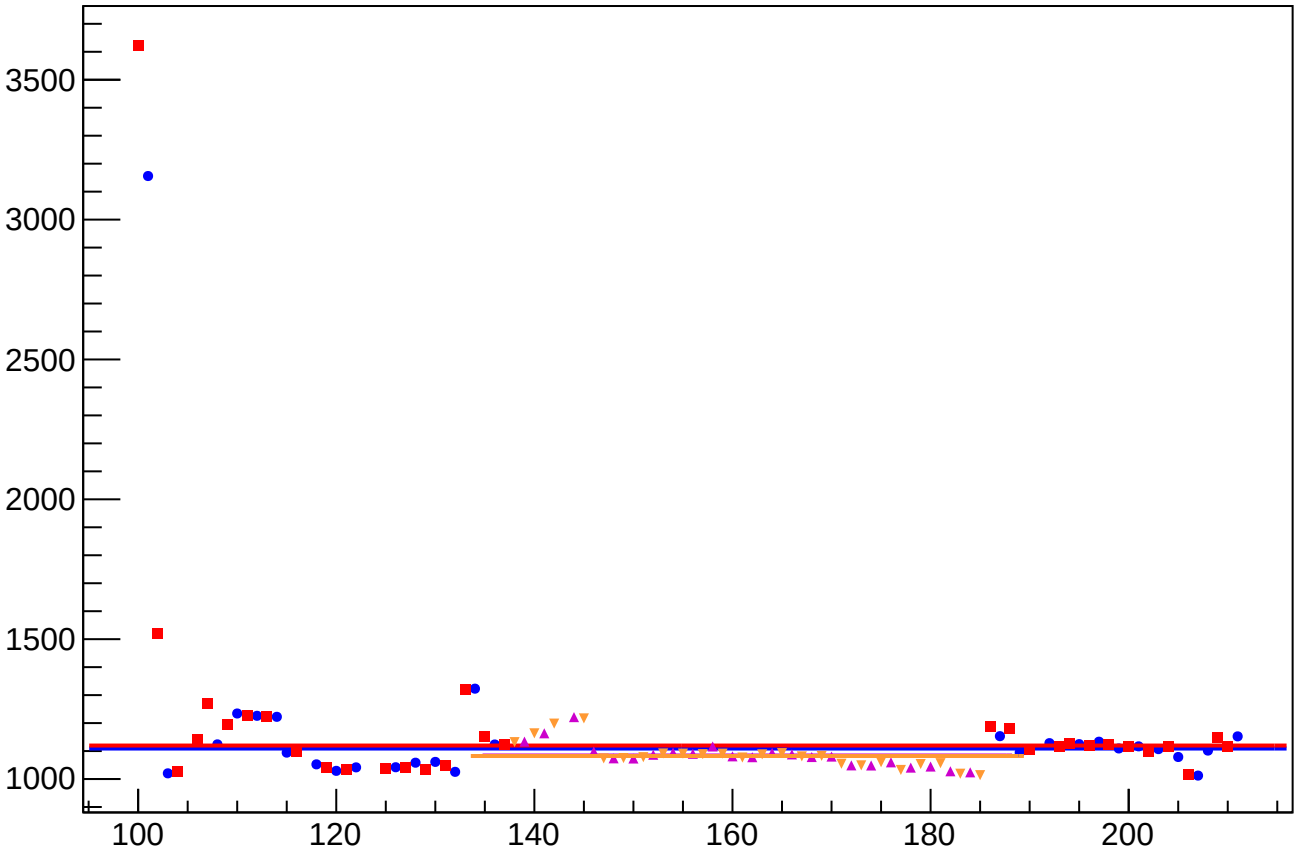
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 230.430+/-192.117 χ^2/NDF: 41.4/58

In: 140.016+/-186.257 χ^2/NDF:56.7/50

Out: 225.118+/-183.579 χ^2/NDF:49.1/54

All: 183.183+/-130.746 χ^2/NDF: 106.0/105



Right In: 1108.998+/-0.194 χ^2/NDF: 646209.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.726+/-0.190 χ^2/NDF: 252544.1/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

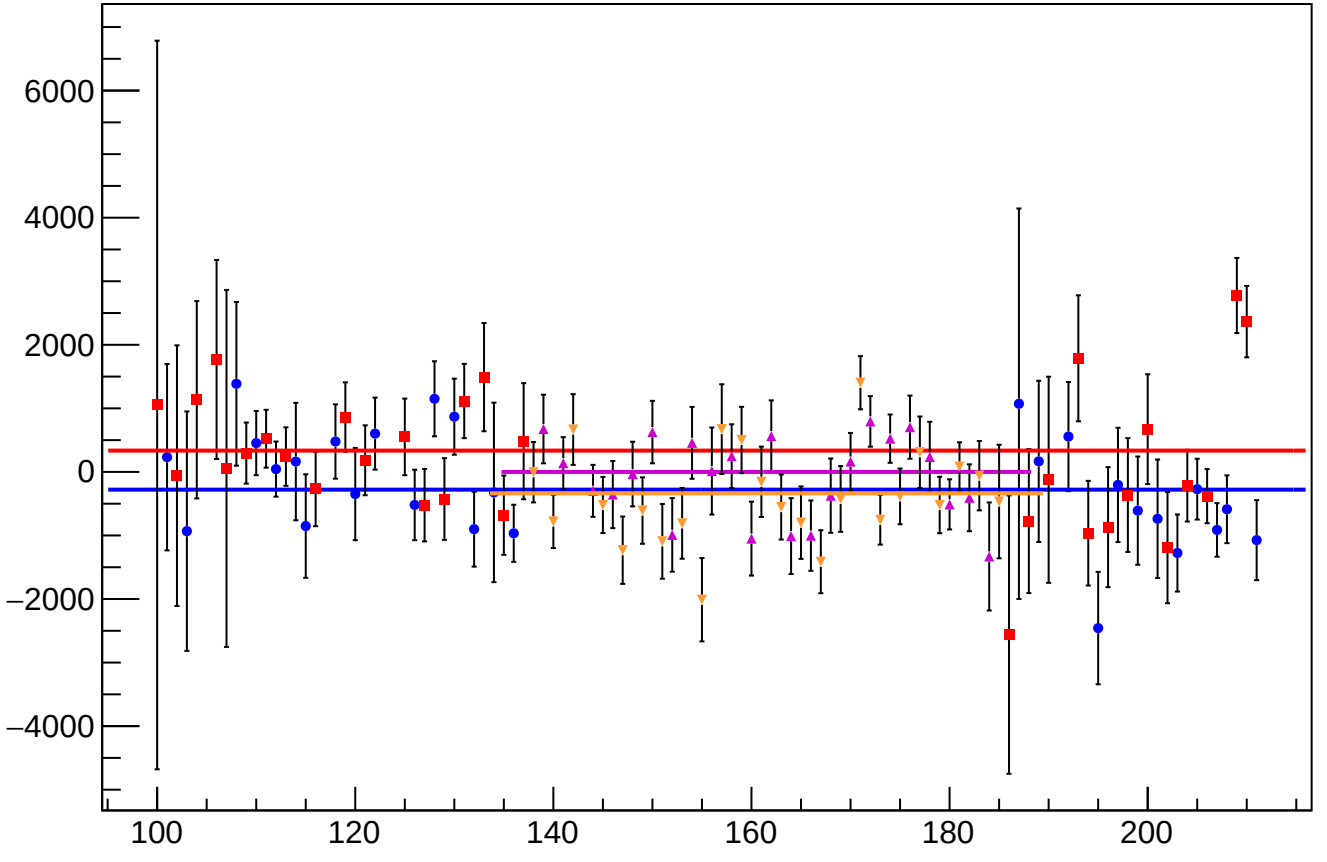
Right: 1114.482+/-0.136 χ^2/NDF: 900311.4/58

In: 1095.575+/-0.132 χ^2/NDF:708476.6/50

Out: 1099.773+/-0.130 χ^2/NDF:331097.8/54

All: 1097.704+/-0.092 χ^2/NDF: 1040089.9/10

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -279.112+/-124.666 χ^2/NDF: 37.2/27

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 335.412+/-124.460 χ^2/NDF: 60.3/30

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

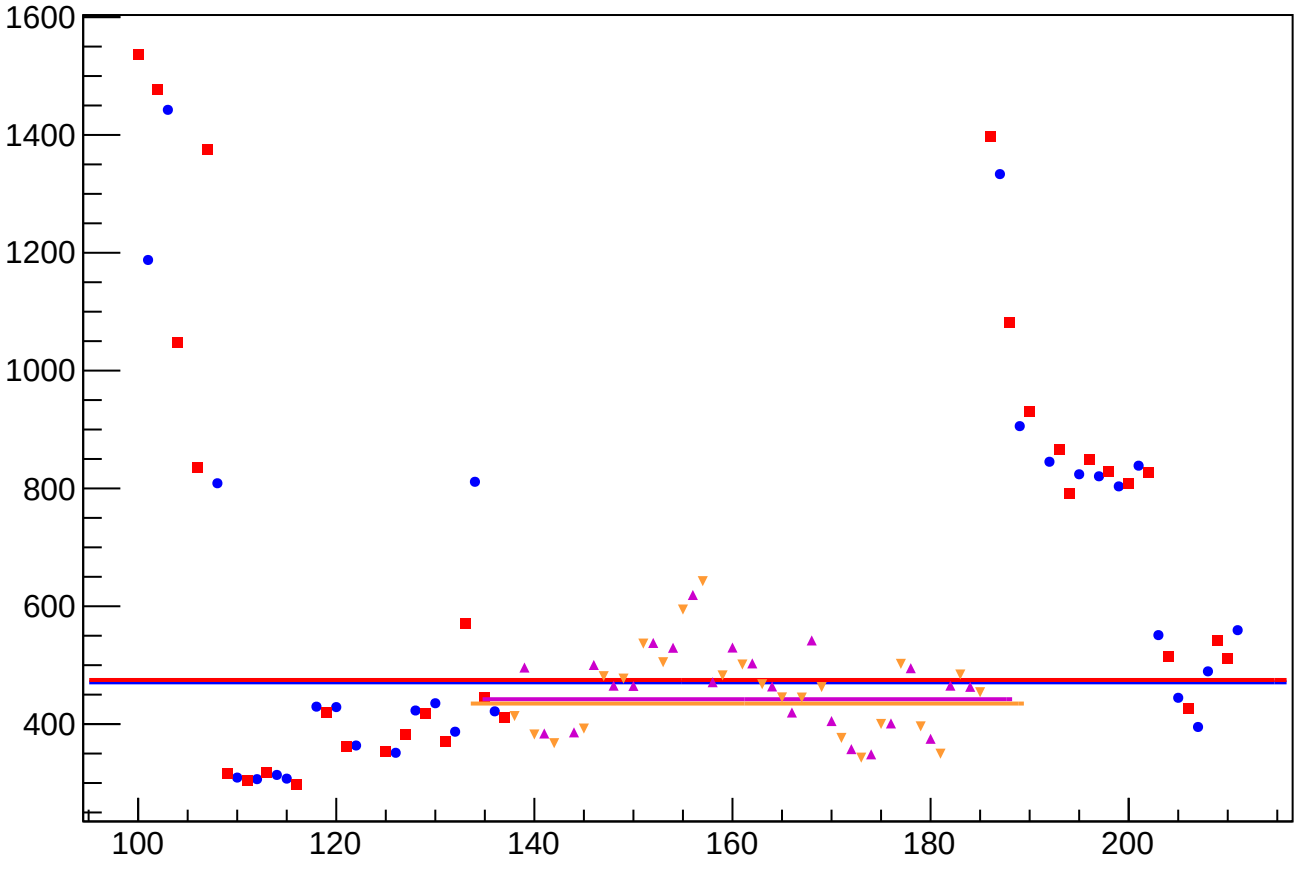
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 28.658+/-88.079 χ^2/NDF: 109.7/58

In: -115.806+/-80.190 χ^2/NDF:72.0/50

Out: -65.363+/-79.168 χ^2/NDF:126.5/54

All: -90.261+/-56.338 χ^2/NDF: 198.7/105



Right In: 470.857+/-0.088 χ^2/NDF: 4319644.0/27

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.873+/-0.088 χ^2/NDF: 5413255.6/30

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

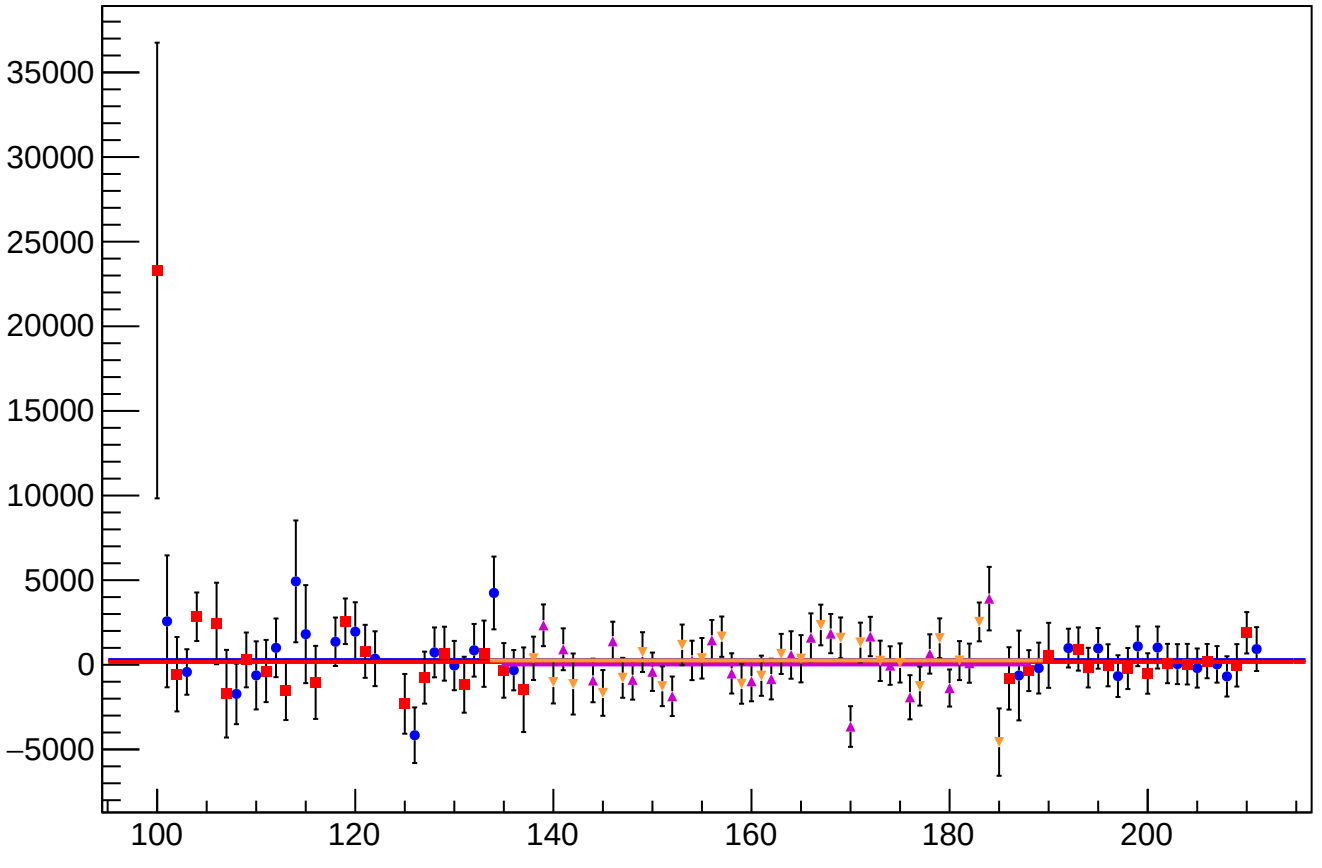
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 472.868+/-0.062 χ^2/NDF: 9733939.0/58

In: 454.062+/-0.057 χ^2/NDF:5207533.5/50

Out: 451.049+/-0.056 χ^2/NDF:6414756.1/54

All: 452.536+/-0.040 χ^2/NDF: 11623719.6/10



Right In: 278.306+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 167.964+/-268.842 χ^2/NDF: 19.7/30

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

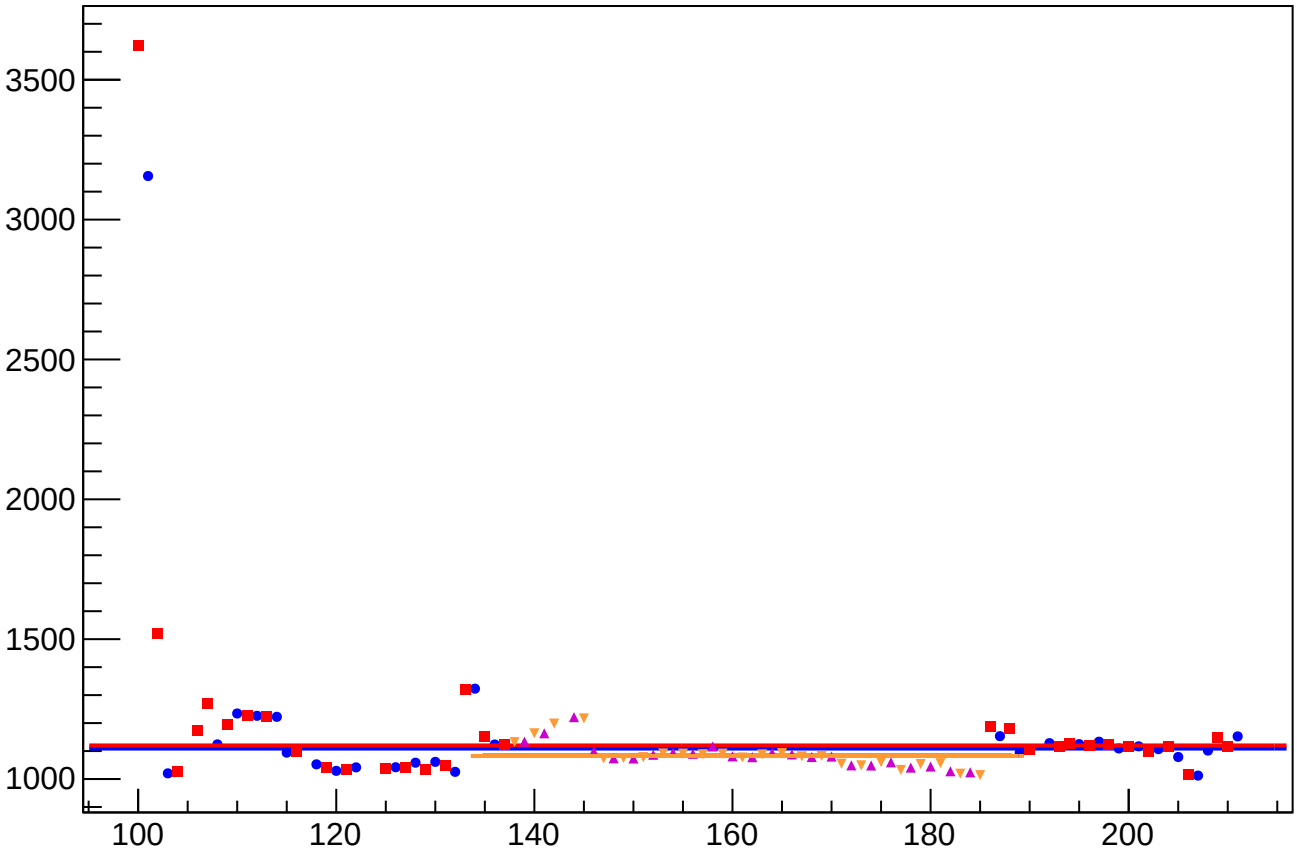
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 221.928+/-192.168 χ^2/NDF: 40.2/58

In: 139.953+/-186.257 χ^2/NDF:56.7/50

Out: 217.405+/-183.624 χ^2/NDF:48.0/54

All: 179.230+/-130.763 χ^2/NDF: 104.8/105



Right In: 1108.998+/-0.194 χ^2/NDF: 646210.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.095+/-0.190 χ^2/NDF: 253313.9/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

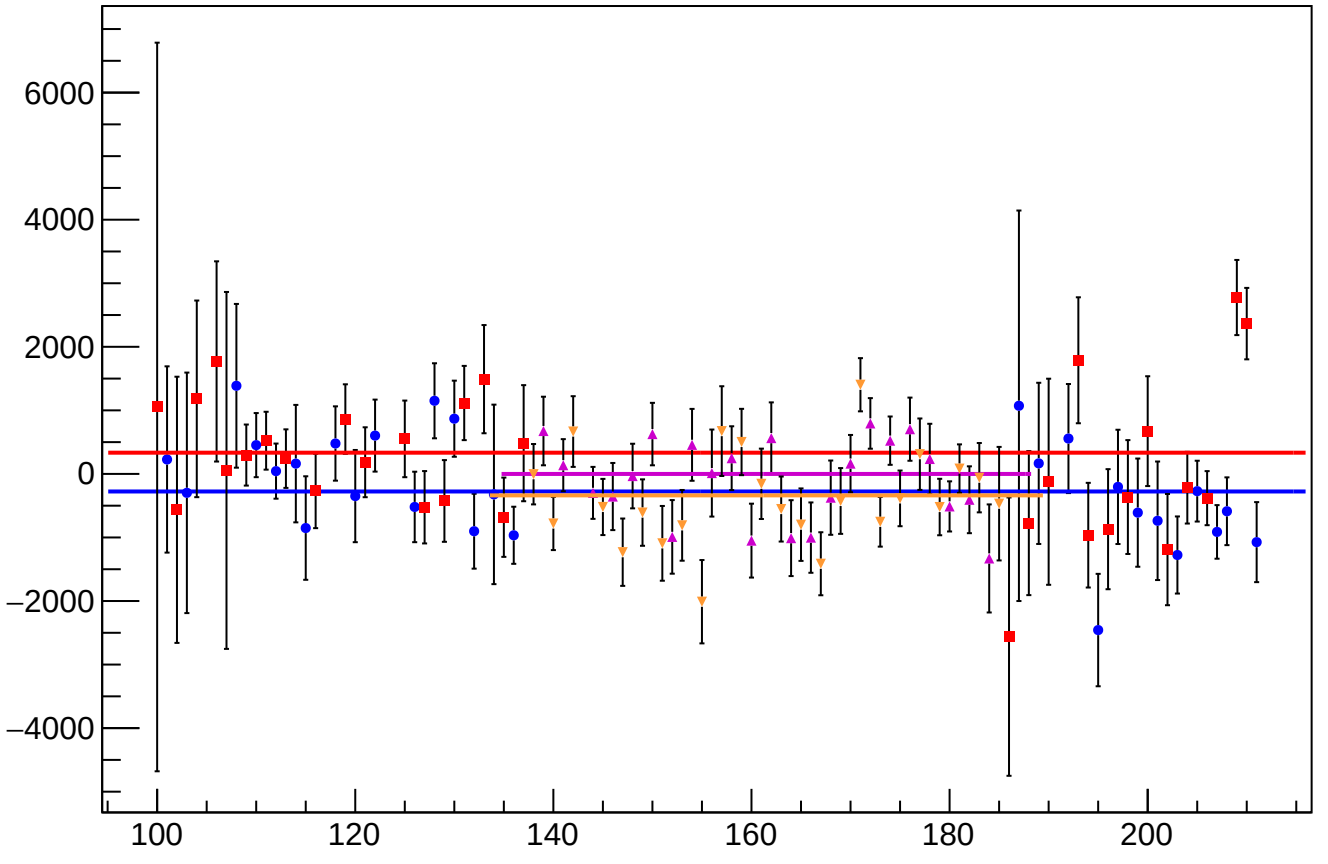
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.668+/-0.136 χ^2/NDF: 901190.5/58

In: 1095.575+/-0.132 χ^2/NDF:708477.5/50

Out: 1099.936+/-0.130 χ^2/NDF:332266.0/54

All: 1097.786+/-0.092 χ^2/NDF: 1041299.5/10



Right In: -276.422+/-124.666 χ^2/NDF: 37.1/27

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 333.940+/-124.472 χ^2/NDF: 60.5/30

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

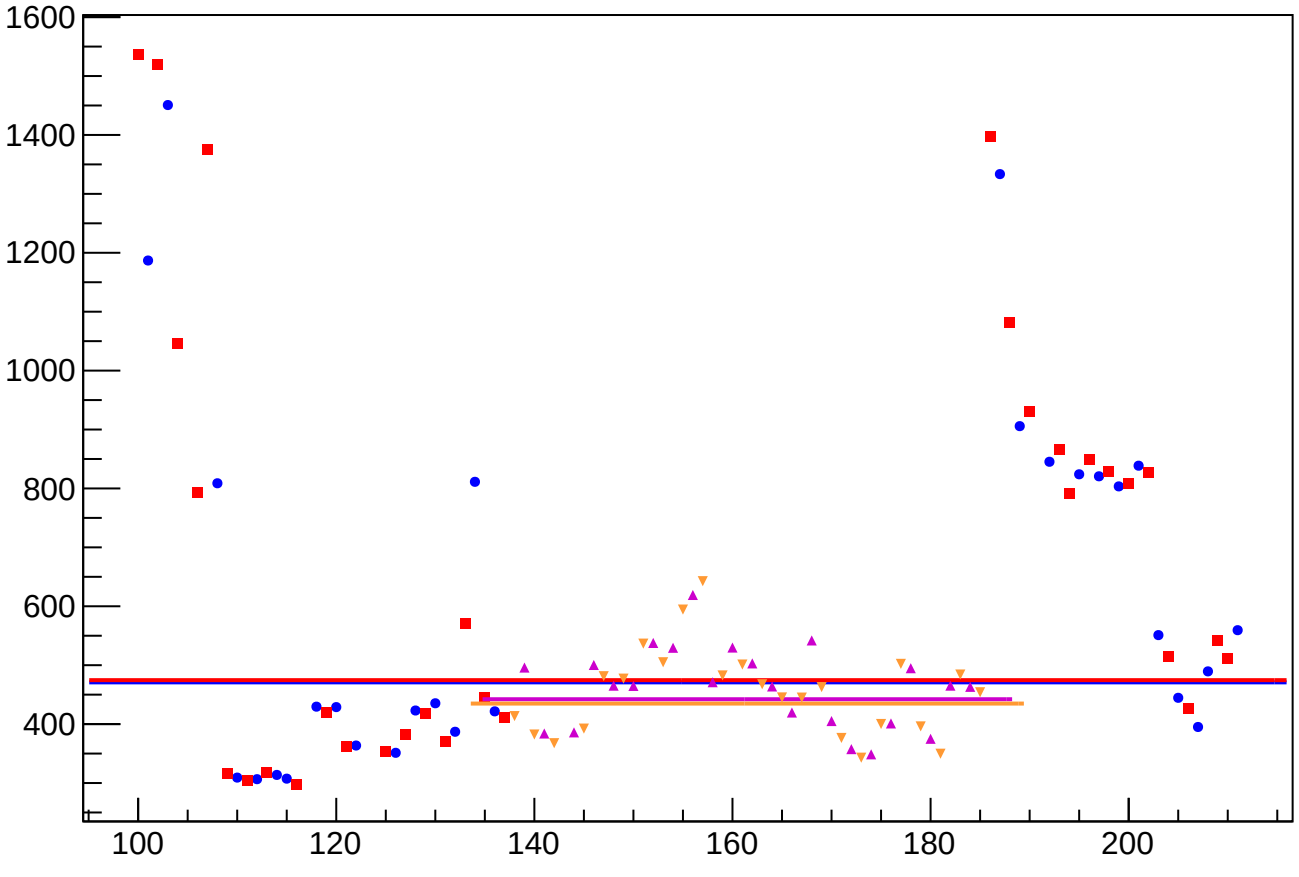
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 29.236+/-88.084 χ^2/NDF: 109.5/58

In: -114.704+/-80.190 χ^2/NDF:71.8/50

Out: -66.045+/-79.171 χ^2/NDF:126.6/54

All: -90.063+/-56.339 χ^2/NDF: 198.6/105



Right In: 470.852+/-0.088 χ^2/NDF: 4323438.1/27

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 474.596+/-0.088 χ^2/NDF: 5407904.8/30

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

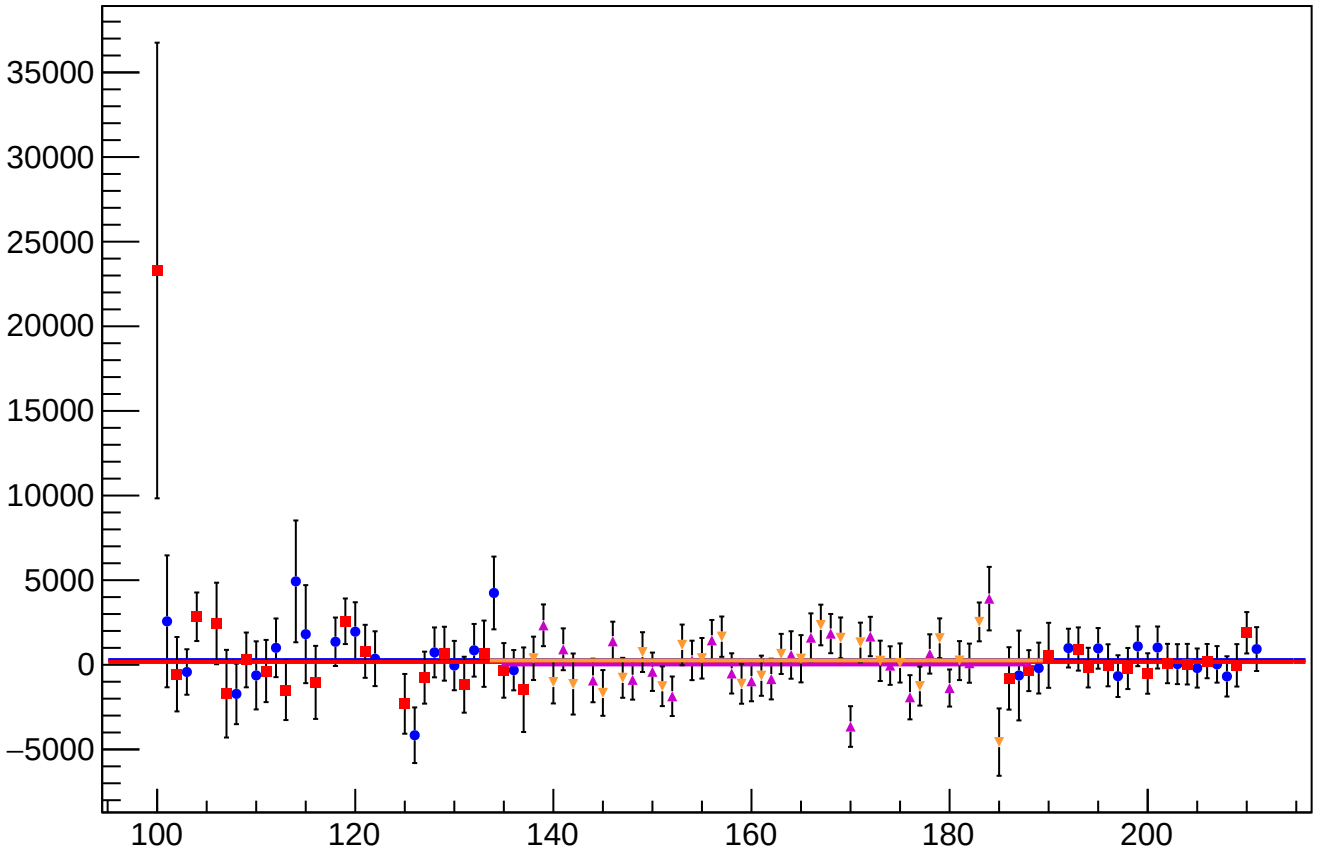
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 472.727+/-0.062 χ^2/NDF: 9732246.3/58

In: 454.060+/-0.057 χ^2/NDF:5211171.6/50

Out: 450.933+/-0.056 χ^2/NDF:6407799.3/54

All: 452.477+/-0.040 χ^2/NDF: 11620511.1/10



Right In: 278.306+/-274.789 χ^2/NDF: 20.5/27

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 167.964+/-268.842 χ^2/NDF: 19.7/30

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

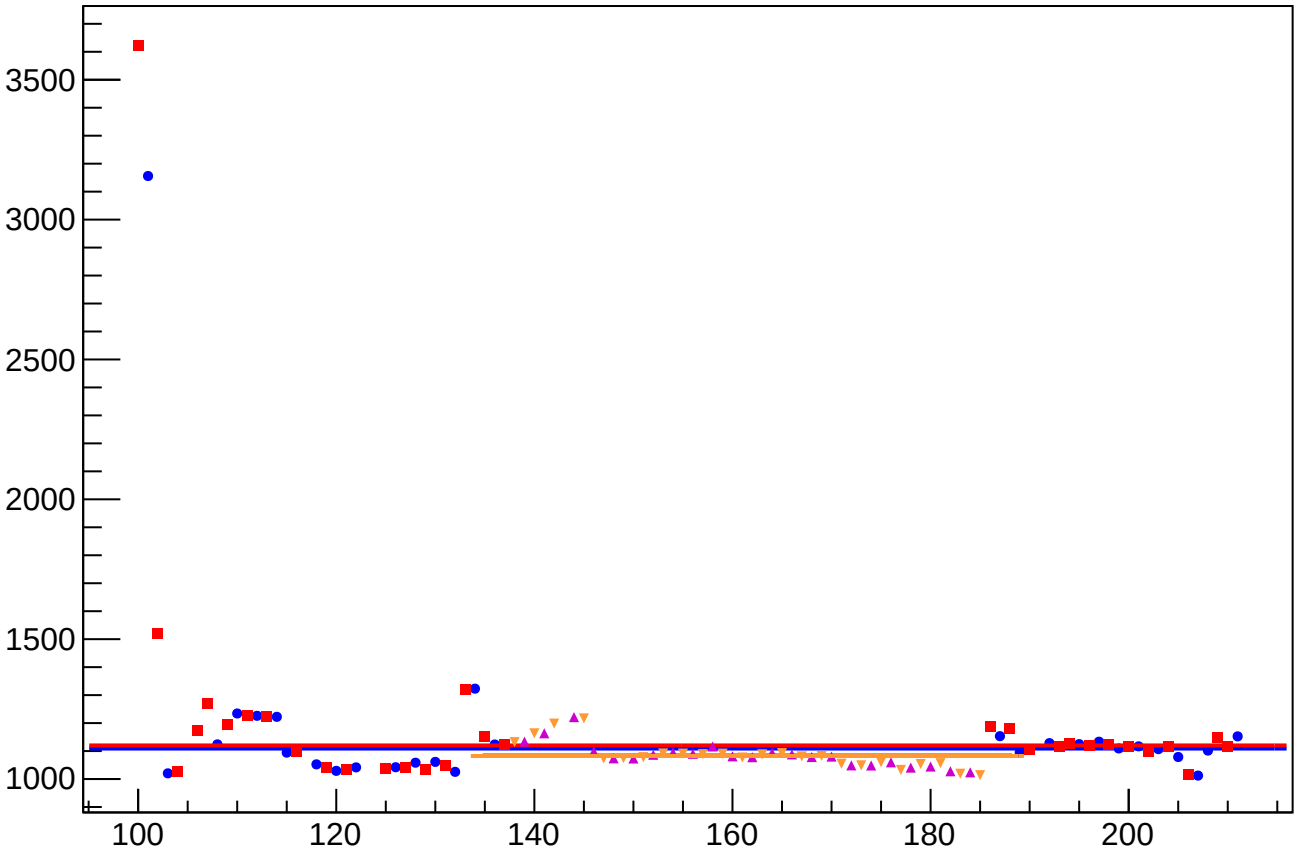
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 221.928+/-192.168 χ^2/NDF: 40.2/58

In: 139.953+/-186.257 χ^2/NDF:56.7/50

Out: 217.405+/-183.624 χ^2/NDF:48.0/54

All: 179.230+/-130.763 χ^2/NDF: 104.8/105



Right In: 1108.998+/-0.194 χ^2/NDF: 646210.1/27

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.095+/-0.190 χ^2/NDF: 253313.9/30

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

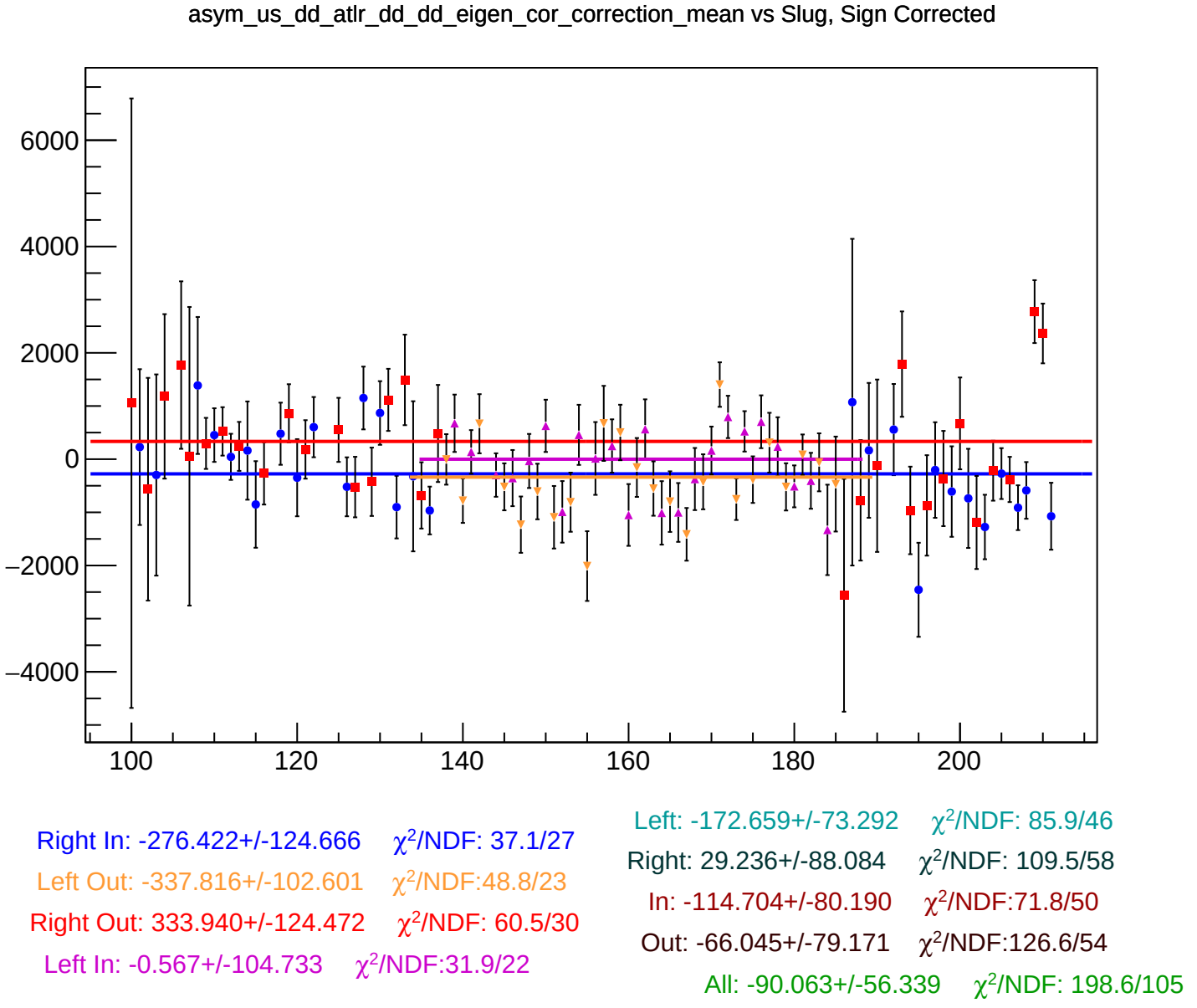
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

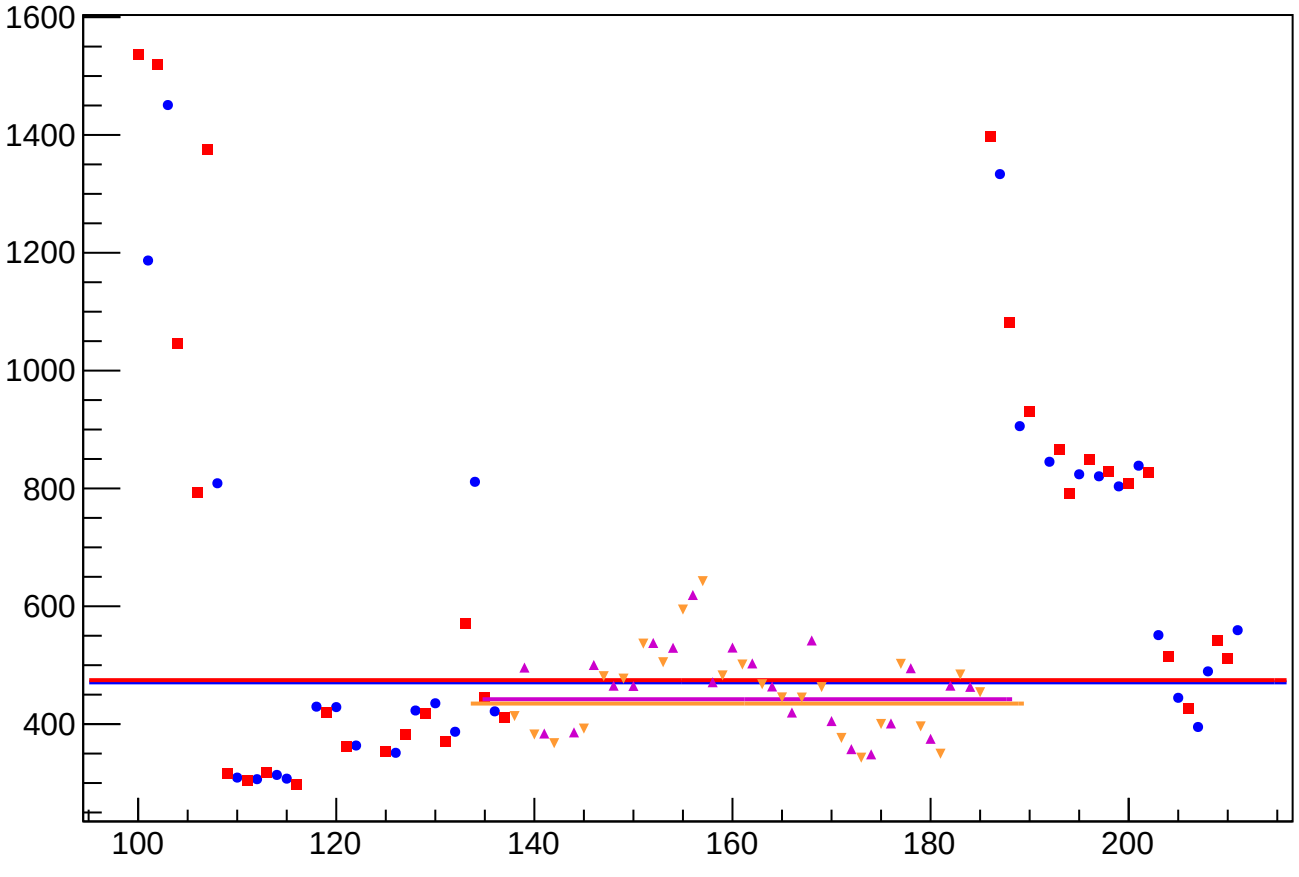
Right: 1114.668+/-0.136 χ^2/NDF: 901190.5/58

In: 1095.575+/-0.132 χ^2/NDF:708477.5/50

Out: 1099.936+/-0.130 χ^2/NDF:332266.0/54

All: 1097.786+/-0.092 χ^2/NDF: 1041299.5/10


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: -276.422+/-124.666 χ²/NDF: 37.1/27
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 333.940+/-124.472 χ²/NDF: 60.5/30
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 29.236+/-88.084 χ²/NDF: 109.5/58
In: -114.704+/-80.190 χ²/NDF:71.8/50
Out: -66.045+/-79.171 χ²/NDF:126.6/54
All: -90.063+/-56.339 χ²/NDF: 198.6/105



Right In: 470.852+/-0.088 χ^2/NDF: 4323438.1/27

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 474.596+/-0.088 χ^2/NDF: 5407904.8/30

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

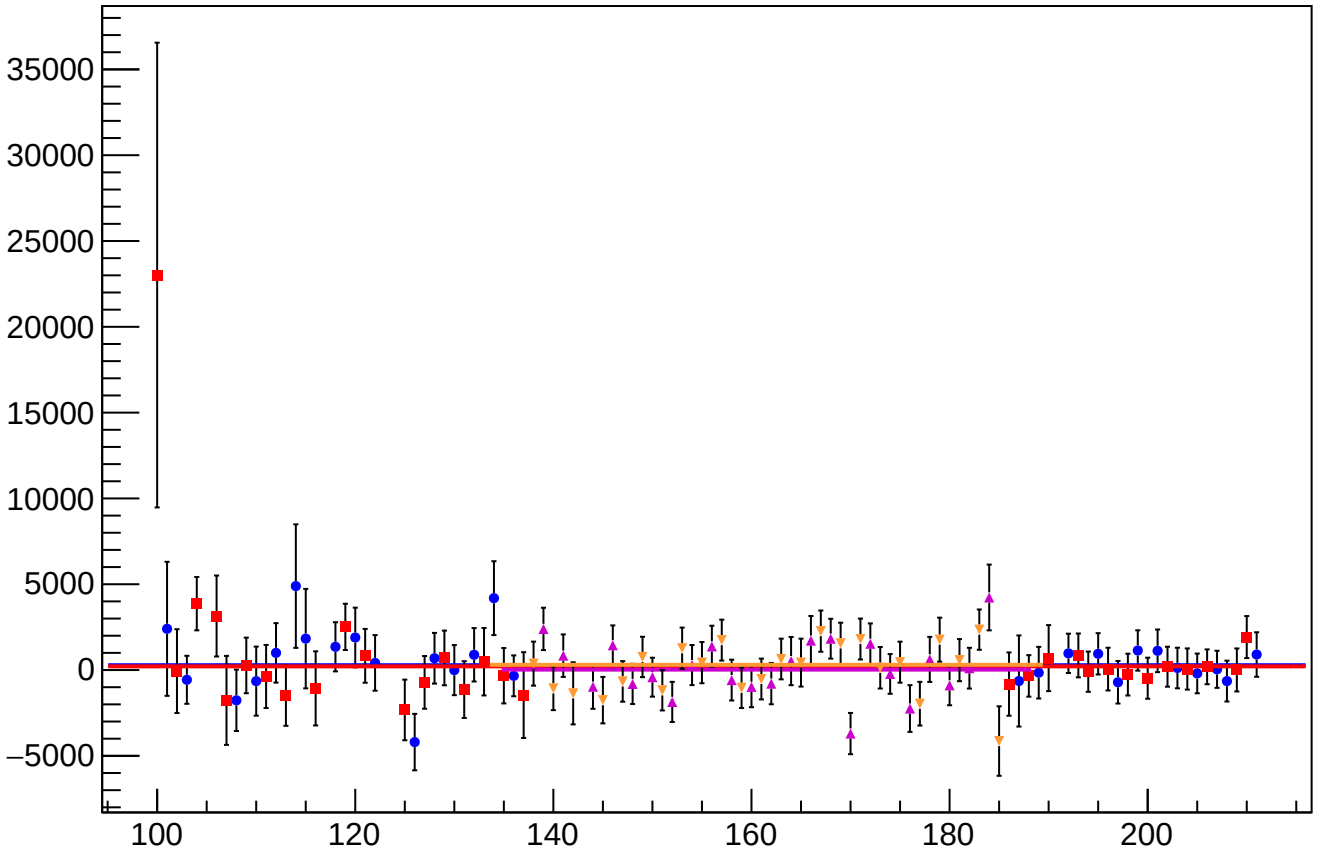
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 472.727+/-0.062 χ^2/NDF: 9732246.3/58

In: 454.060+/-0.057 χ^2/NDF:5211171.6/50

Out: 450.933+/-0.056 χ^2/NDF:6407799.3/54

All: 452.477+/-0.040 χ^2/NDF: 11620511.1/10



Right In: 281.043+/-275.544 χ^2/NDF: 20.5/27

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 215.505+/-270.179 χ^2/NDF: 22.1/30

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

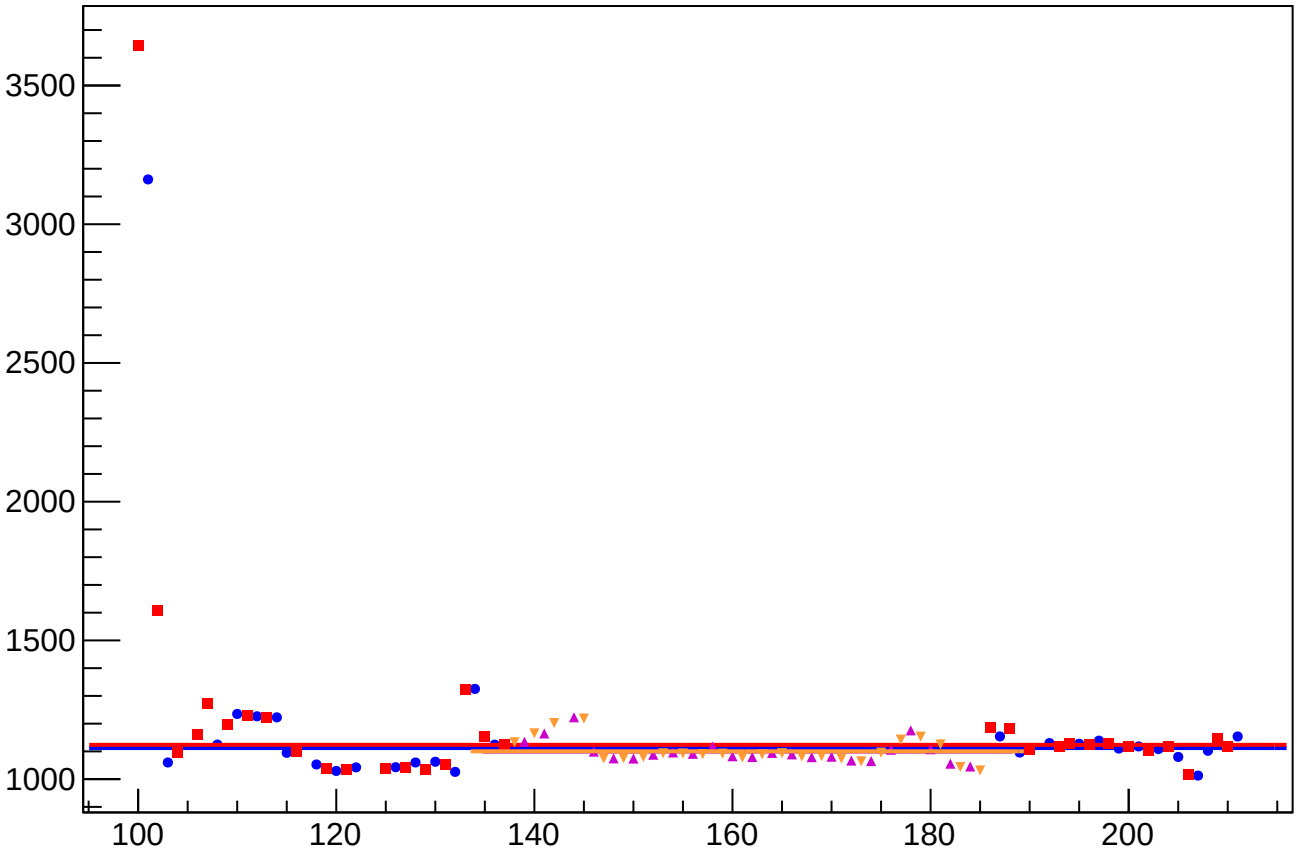
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 247.630+/-192.914 χ^2/NDF: 42.7/58

In: 144.220+/-187.888 χ^2/NDF:56.8/50

Out: 261.897+/-185.660 χ^2/NDF:50.7/54

All: 203.761+/-132.062 χ^2/NDF: 107.7/105



Right In: 1112.072+/-0.195 χ^2/NDF: 641112.1/27

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1123.623+/-0.191 χ^2/NDF: 259085.4/30

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

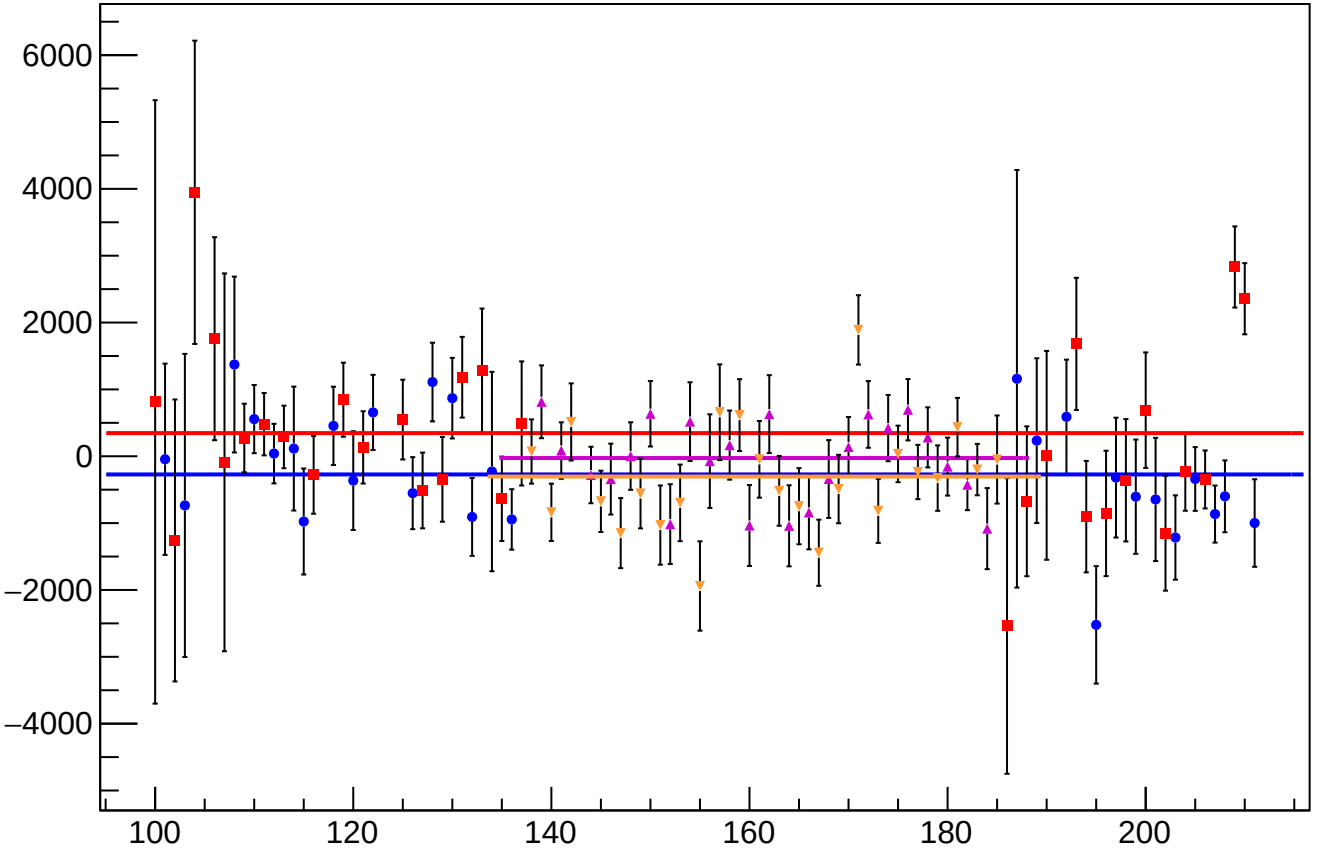
Right: 1117.961+/-0.136 χ^2/NDF: 901989.4/58

In: 1105.261+/-0.133 χ^2/NDF:688181.8/50

Out: 1111.291+/-0.131 χ^2/NDF:315754.1/54

All: 1108.312+/-0.093 χ^2/NDF: 1004978.3/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -271.945+/-125.404 χ^2/NDF: 36.8/27

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 346.461+/-125.959 χ^2/NDF: 61.9/30

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

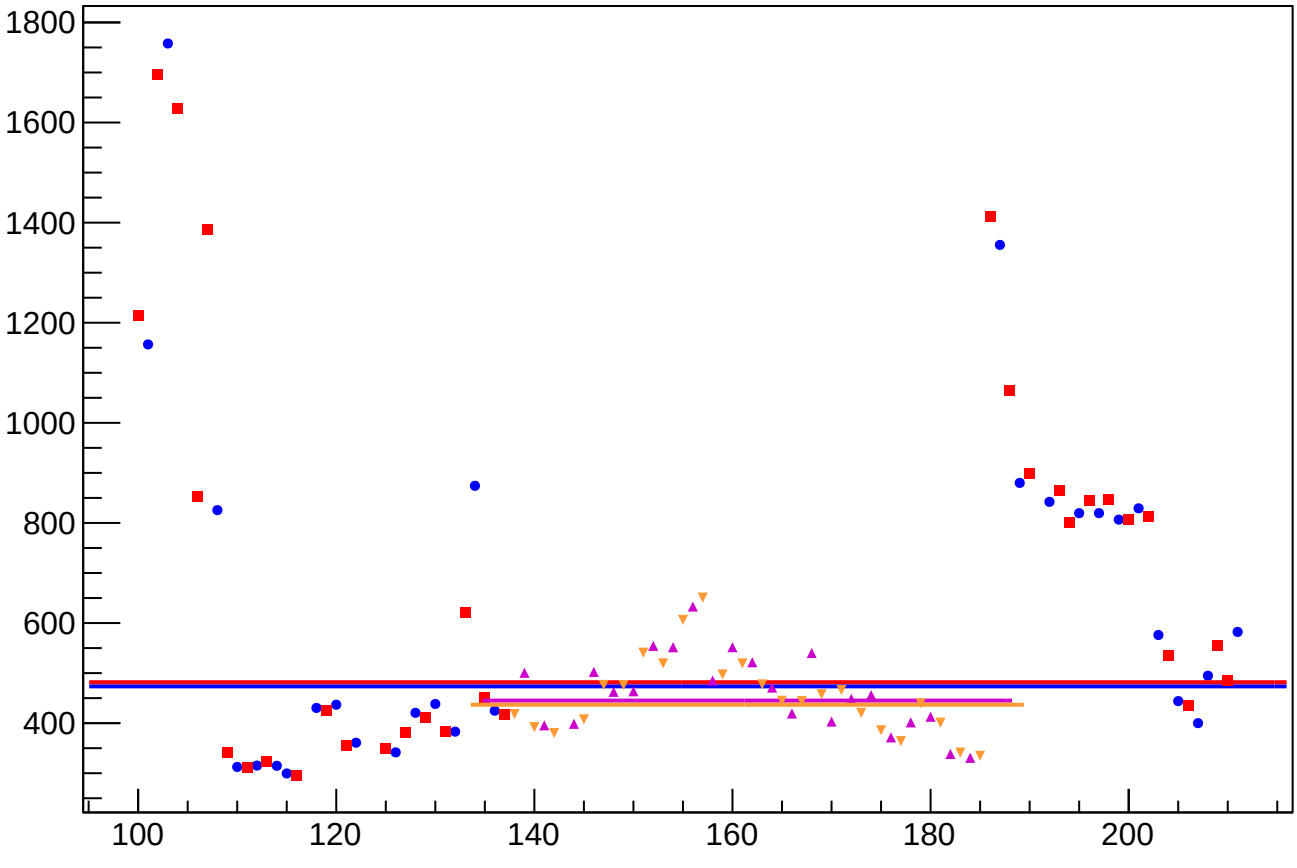
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 35.893+/-88.870 χ^2/NDF: 110.8/58

In: -128.271+/-80.695 χ^2/NDF:66.9/50

Out: -42.939+/-79.726 χ^2/NDF:127.3/54

All: -85.090+/-56.714 χ^2/NDF: 194.9/105



Right In: 473.534+/-0.089 χ^2/NDF: 4439337.8/27

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 481.824+/-0.089 χ^2/NDF: 5727352.4/30

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

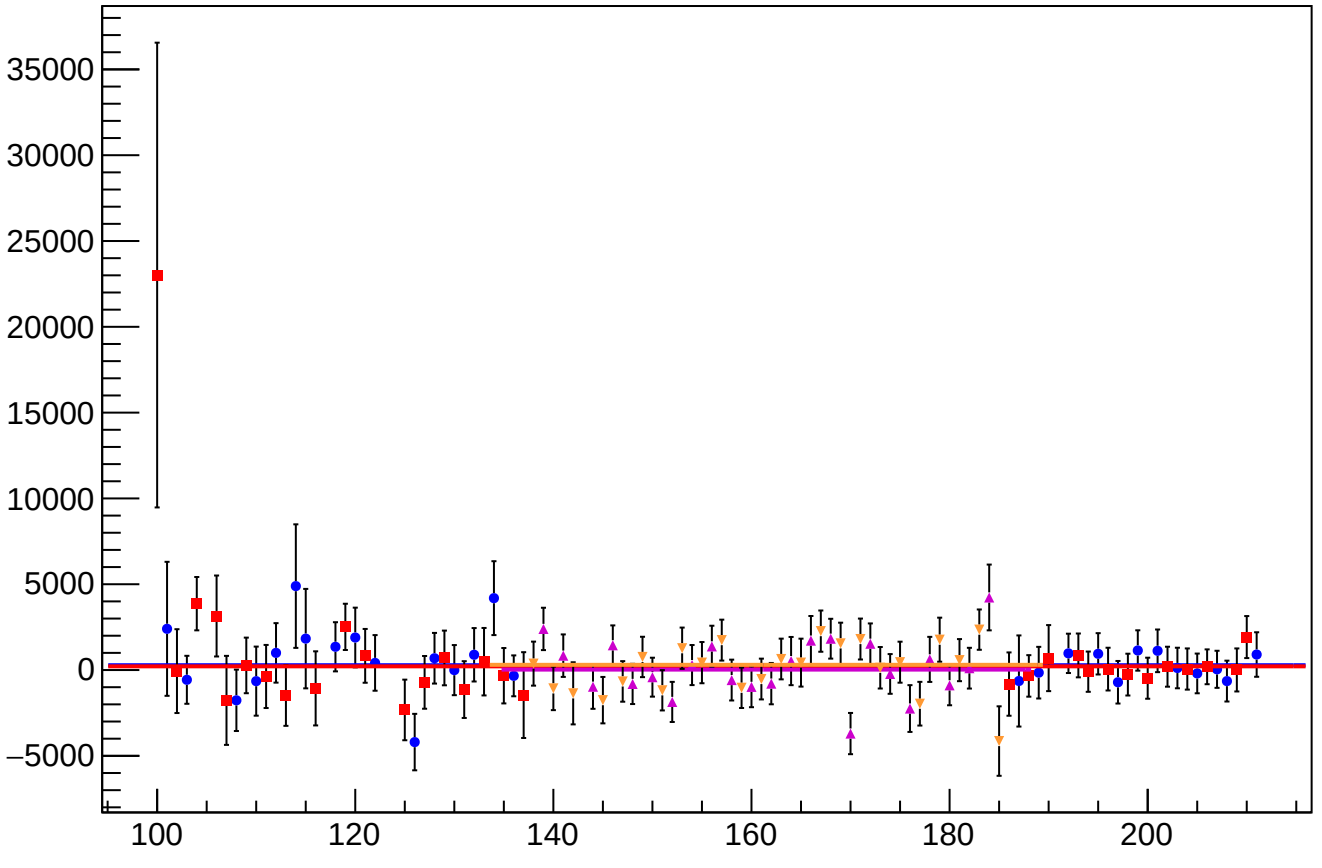
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 477.661+/-0.063 χ^2/NDF: 10171041.1/58

In: 456.879+/-0.057 χ^2/NDF:5374081.1/50

Out: 454.830+/-0.056 χ^2/NDF:6735811.9/54

All: 455.842+/-0.040 χ^2/NDF: 12110545.4/10



Right In: 281.042+/-275.544 χ^2/NDF: 20.5/27

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 215.505+/-270.179 χ^2/NDF: 22.1/30

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

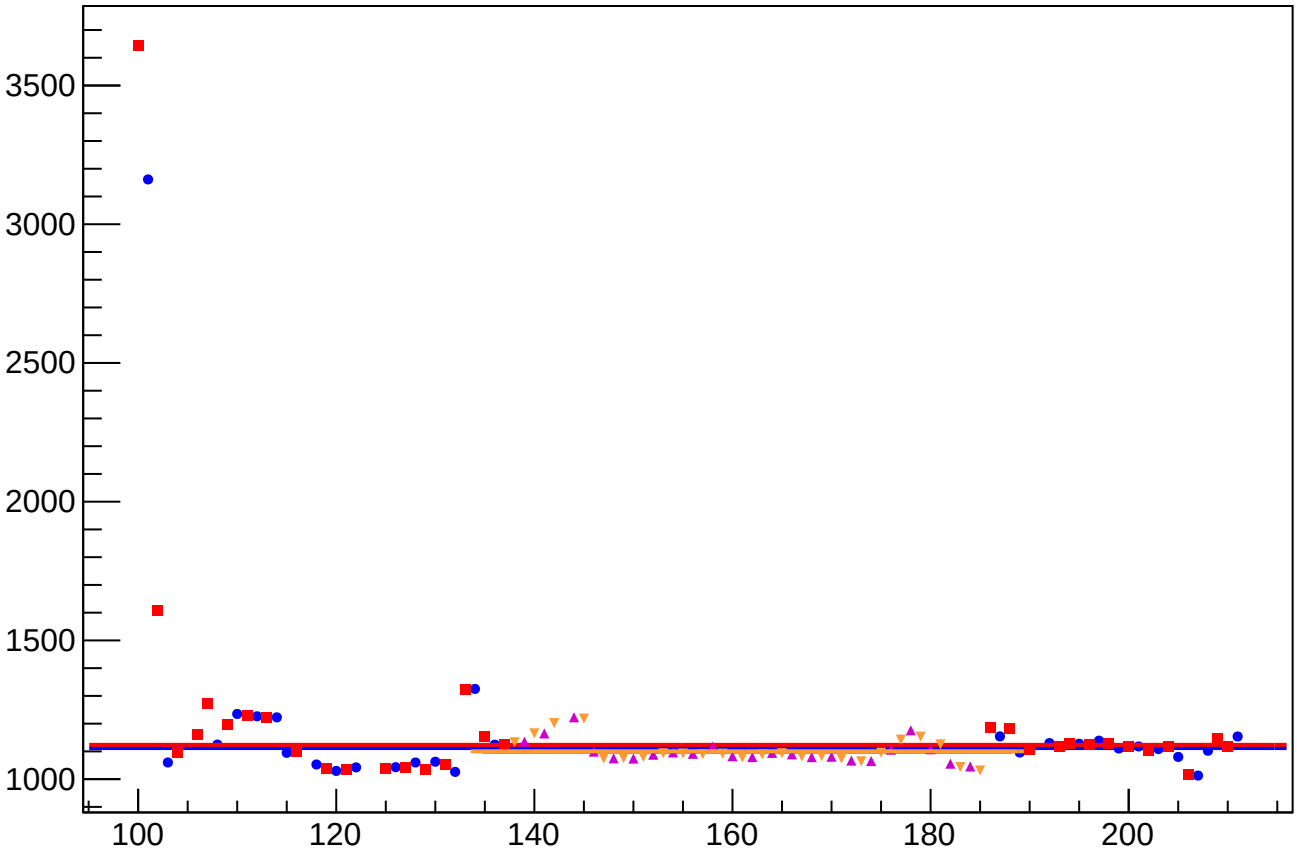
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 247.630+/-192.914 χ^2/NDF: 42.7/58

In: 144.221+/-187.888 χ^2/NDF:56.8/50

Out: 261.896+/-185.660 χ^2/NDF:50.7/54

All: 203.761+/-132.062 χ^2/NDF: 107.7/105



Right In: 1112.072+/-0.195 χ^2/NDF: 641112.1/27

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1123.623+/-0.191 χ^2/NDF: 259085.6/30

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

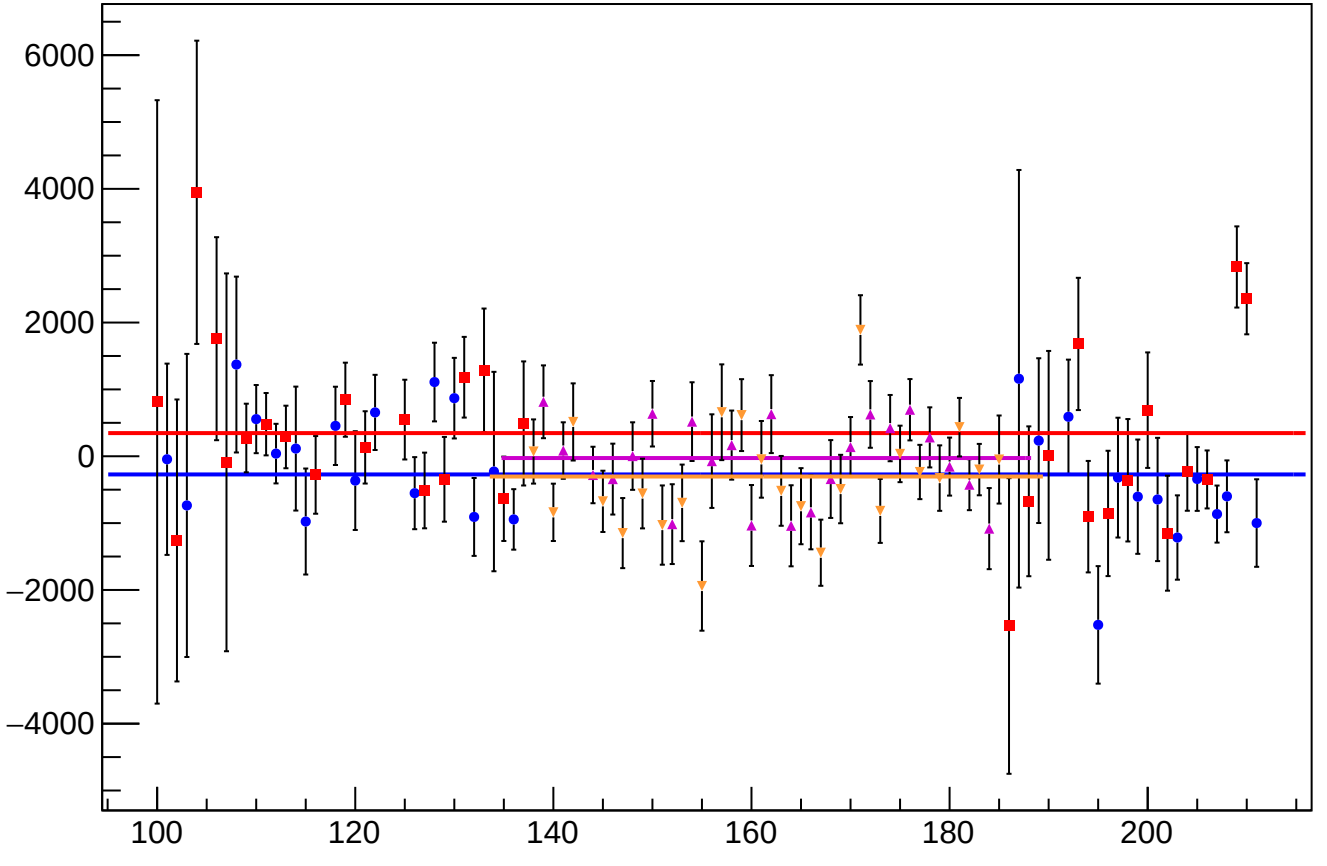
Right: 1117.961+/-0.136 χ^2/NDF: 901989.5/58

In: 1105.261+/-0.133 χ^2/NDF:688182.0/50

Out: 1111.291+/-0.131 χ^2/NDF:315754.4/54

All: 1108.312+/-0.093 χ^2/NDF: 1004978.7/10

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -271.948+/-125.404 χ^2/NDF: 36.8/27

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 346.455+/-125.959 χ^2/NDF: 61.9/30

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

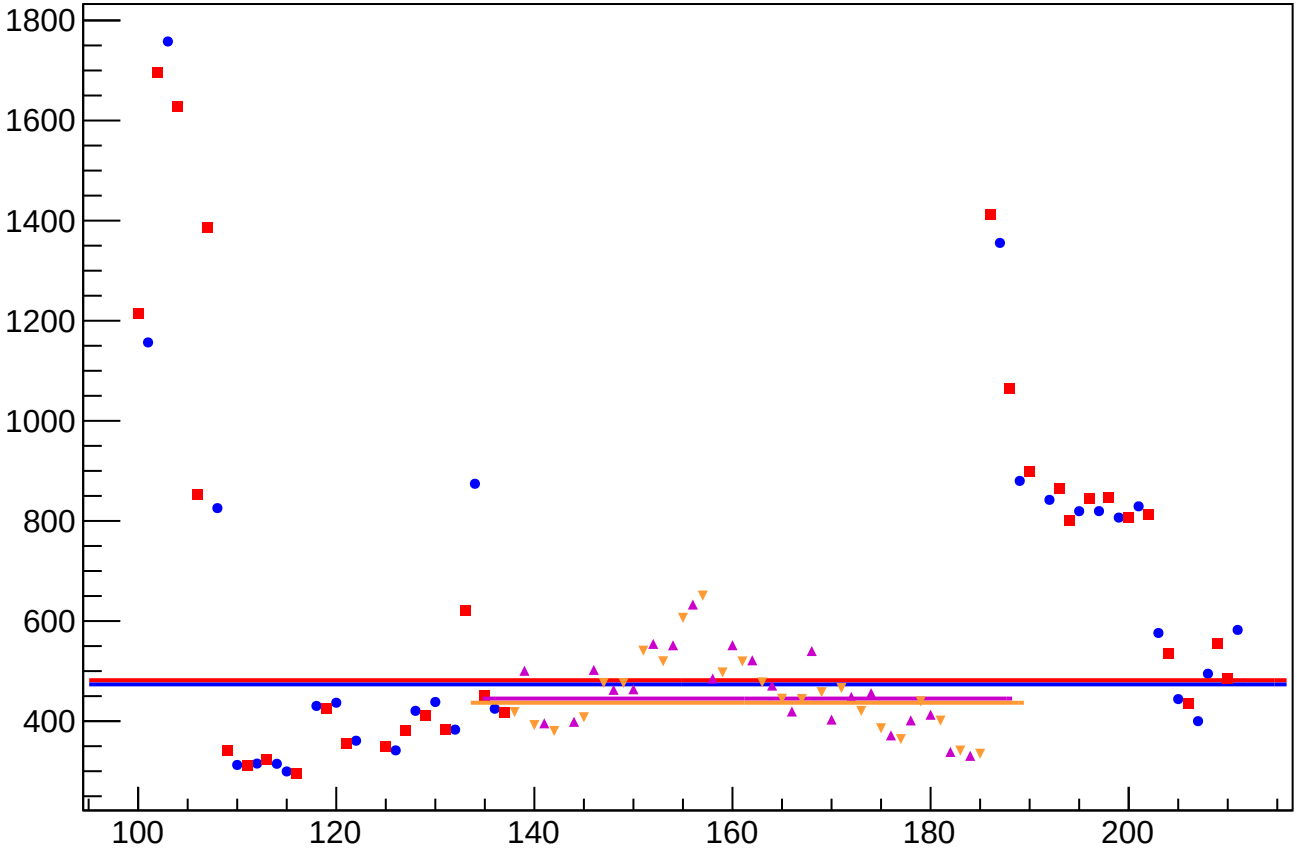
Right: 35.888+/-88.869 χ^2/NDF: 110.8/58

In: -128.273+/-80.695 χ^2/NDF:66.9/50

Out: -42.941+/-79.726 χ^2/NDF:127.3/54

All: -85.091+/-56.714 χ^2/NDF: 194.9/105

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 473.531+/-0.089 χ^2/NDF: 4439372.6/27

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 481.821+/-0.089 χ^2/NDF: 5727419.9/30

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

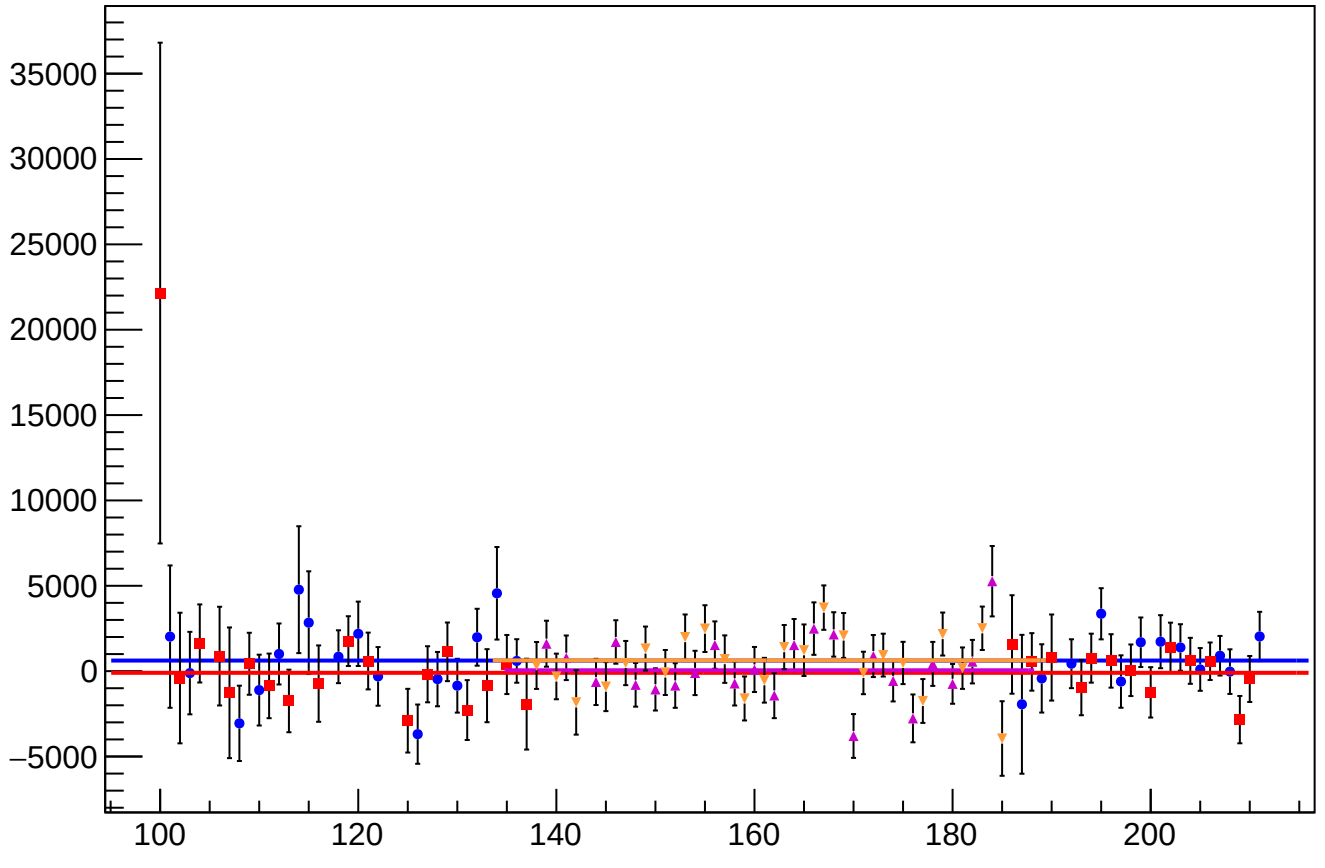
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 477.658+/-0.063 χ^2/NDF: 10171143.2/58

In: 456.877+/-0.057 χ^2/NDF:5374141.3/50

Out: 454.829+/-0.056 χ^2/NDF:6735894.2/54

All: 455.841+/-0.040 χ^2/NDF: 12110687.8/10



Right In: 620.012+/-316.466 χ^2/NDF: 24.3/27

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -97.252+/-314.573 χ^2/NDF: 18.7/30

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

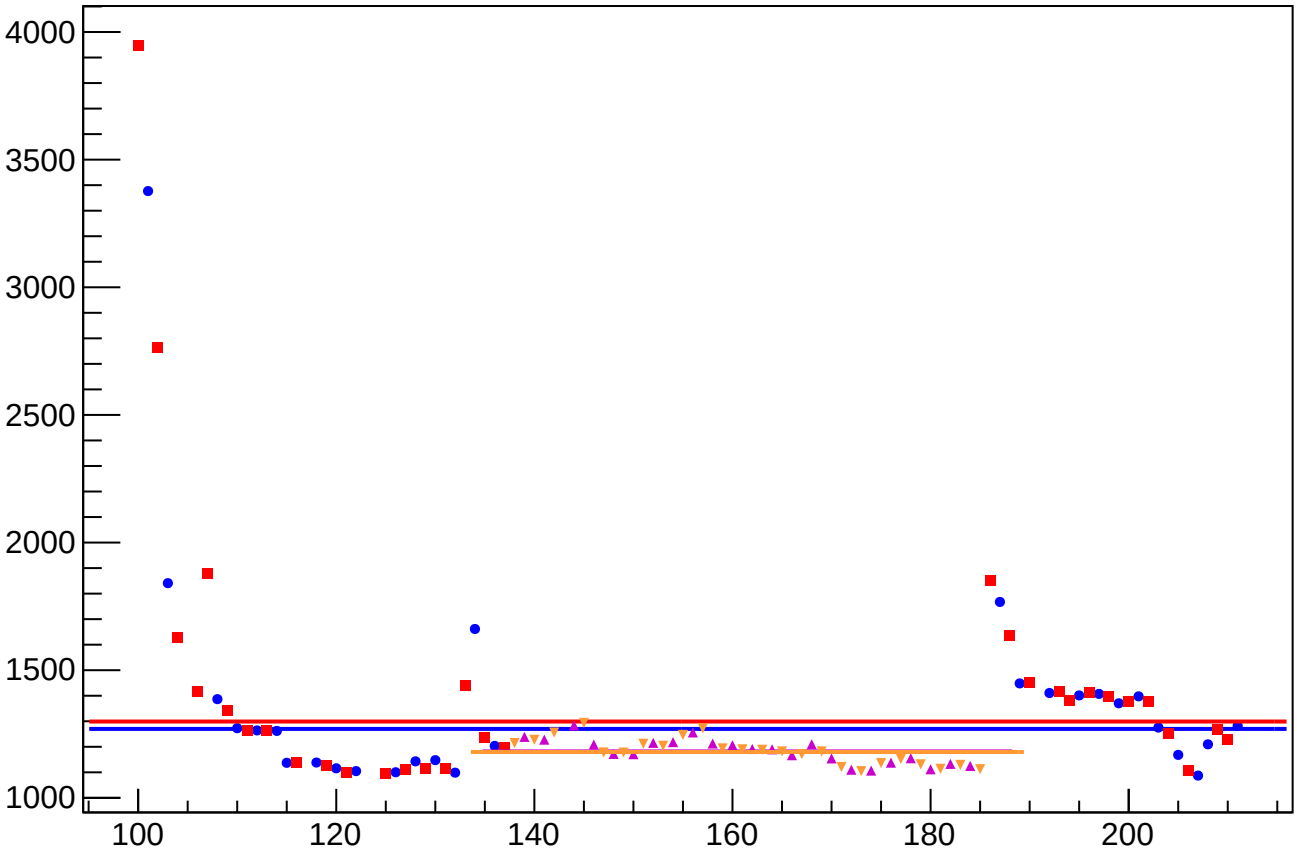
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 259.229+/-223.103 χ^2/NDF: 45.6/58

In: 296.944+/-208.098 χ^2/NDF:61.1/50

Out: 317.826+/-206.639 χ^2/NDF:51.9/54

All: 307.458+/-146.629 χ^2/NDF: 113.1/105



Right In: 1270.055+/-0.224 χ^2/NDF: 977441.3/27

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1298.989+/-0.222 χ^2/NDF: 906703.2/30

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

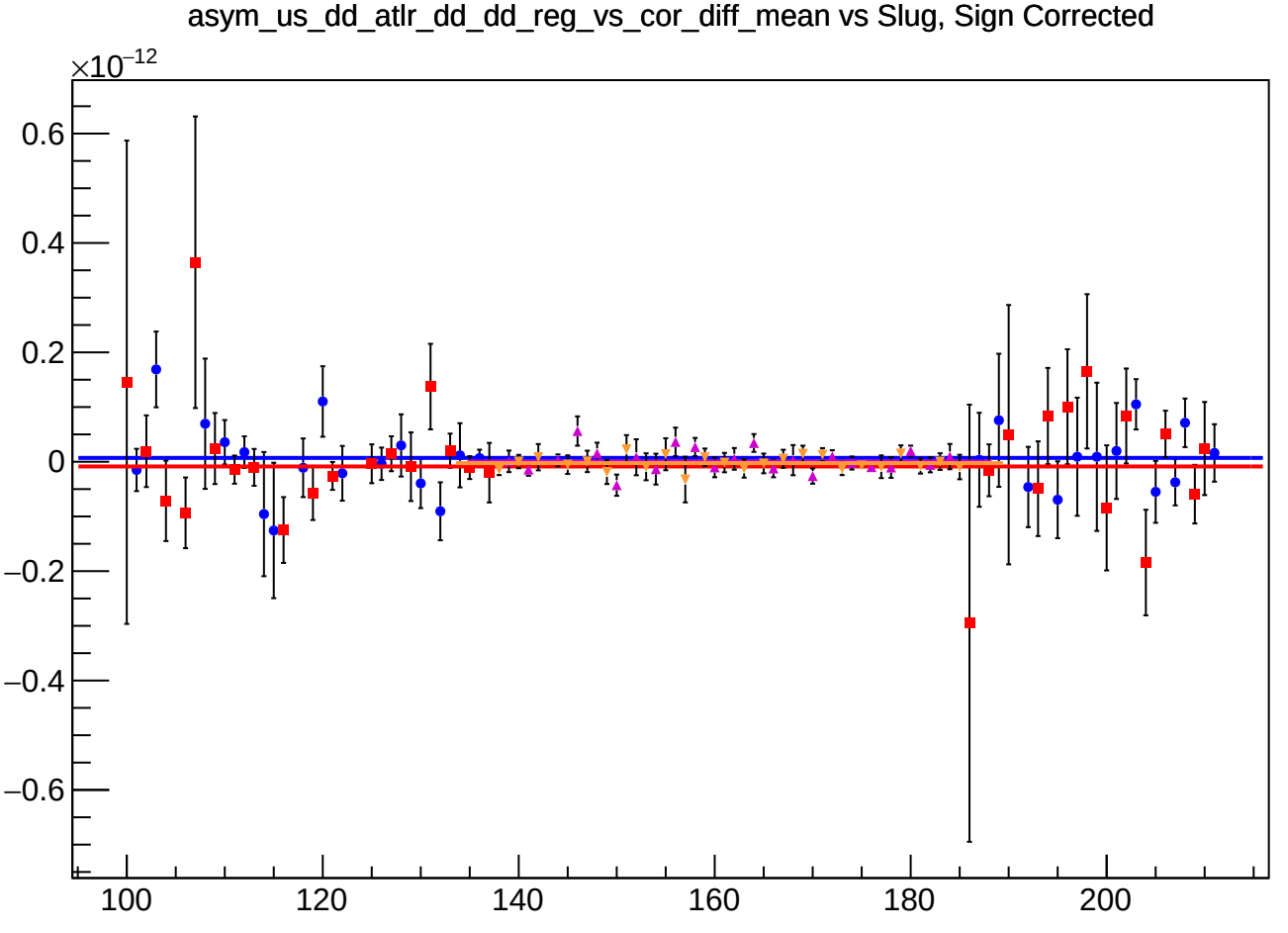
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1284.609+/-0.158 χ^2/NDF: 1892554.1/58

In: 1220.034+/-0.147 χ^2/NDF:1125826.6/50

Out: 1231.181+/-0.146 χ^2/NDF:1134835.5/54

All: 1225.646+/-0.104 χ^2/NDF: 2263551.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

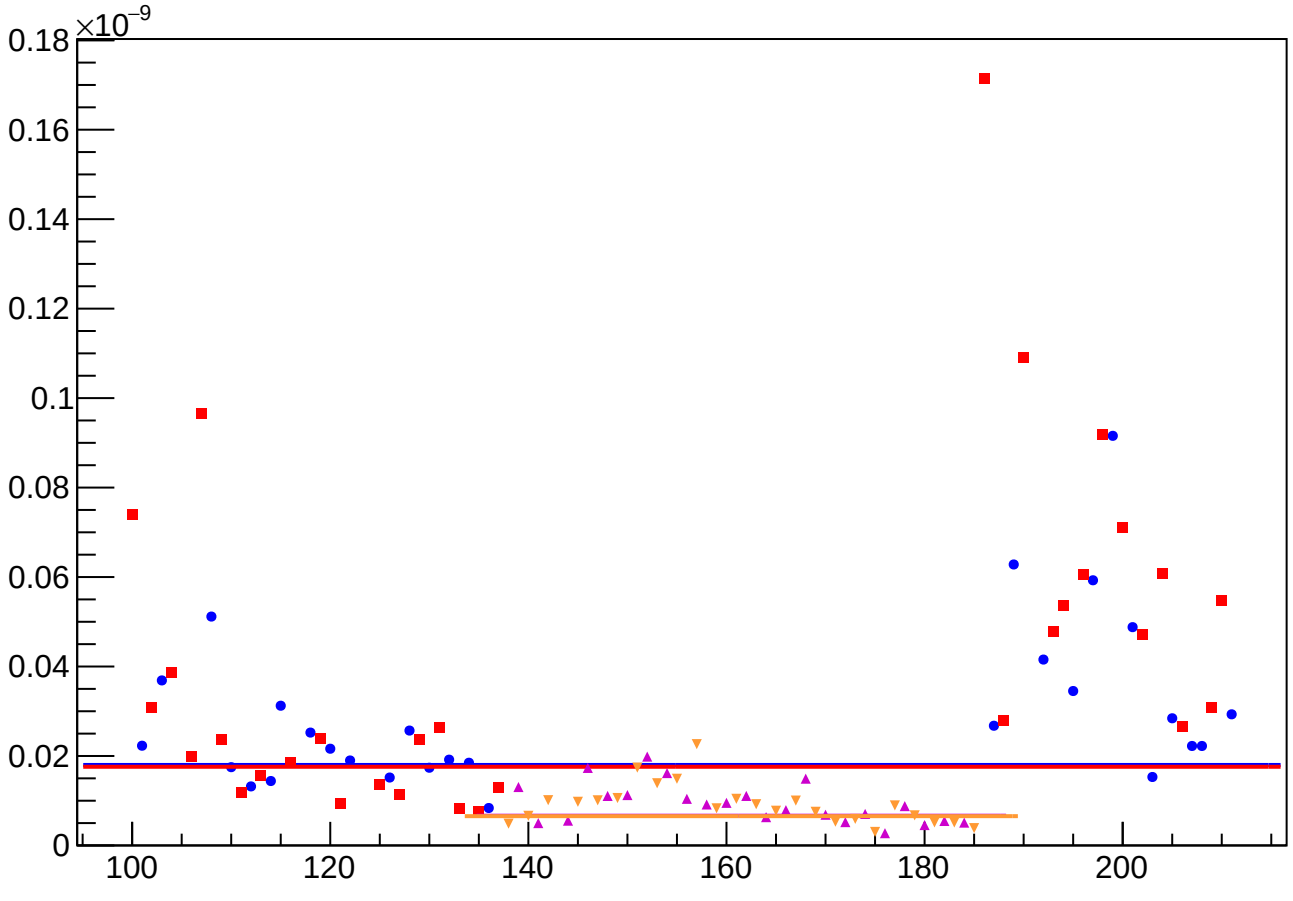
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

Right: -0.000+/-0.000 χ^2/NDF: 56.6/58

In: 0.000+/-0.000 χ^2/NDF:60.5/50

Out: -0.000+/-0.000 χ^2/NDF:38.4/54

All: -0.000+/-0.000 χ^2/NDF: 100.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 3240965.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5459648.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

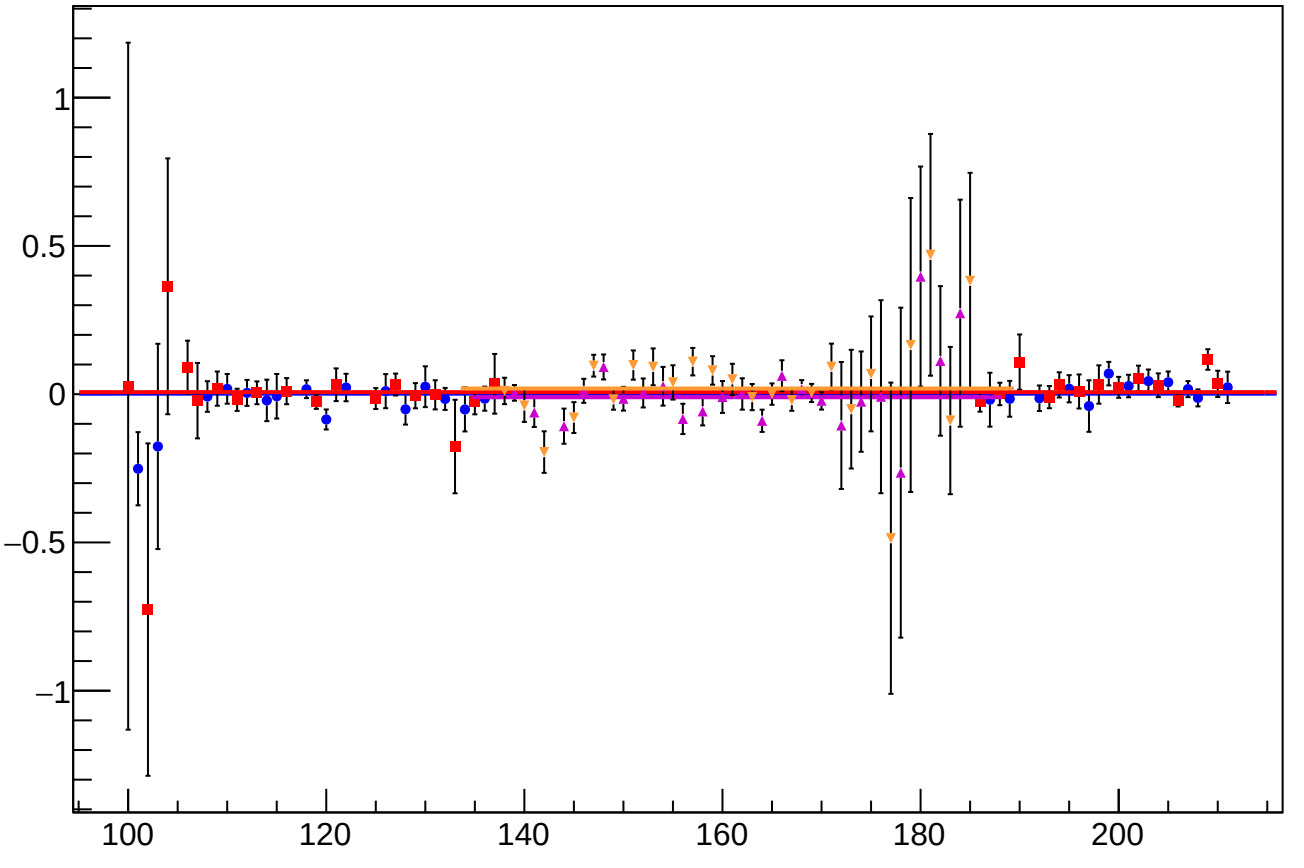
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8702846.2/58

In: 0.000+/-0.000 χ^2/NDF:8930063.9/50

Out: 0.000+/-0.000 χ^2/NDF:10747184.5/54

All: 0.000+/-0.000 χ^2/NDF: 19681567.4/105



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

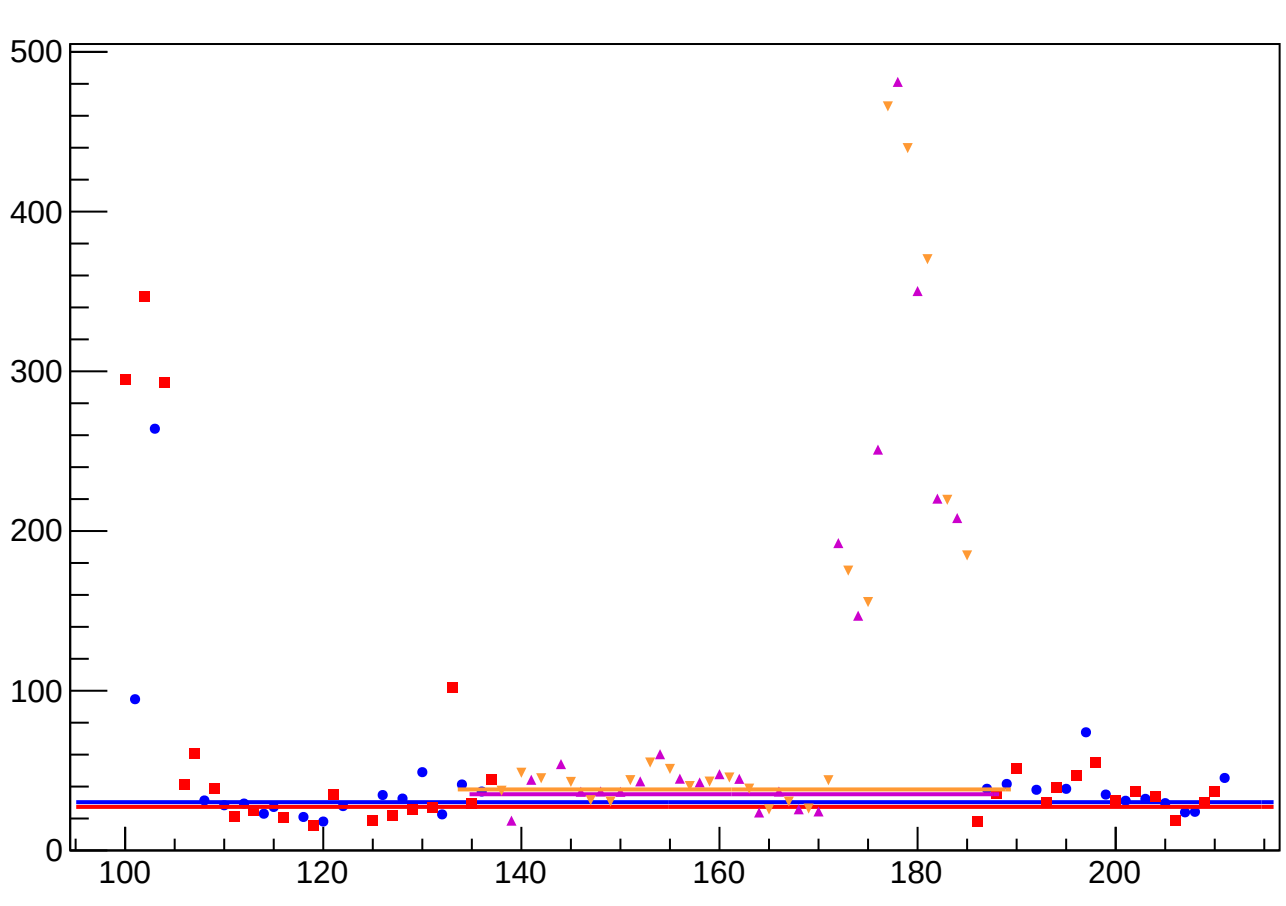
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.005+/-0.006 χ^2/NDF: 46.5/58

In: -0.003+/-0.007 χ^2/NDF:45.3/50

Out: 0.011+/-0.006 χ^2/NDF:62.2/54

All: 0.004+/-0.005 χ^2/NDF: 110.0/105



Right In: 30.232+/-0.006 χ^2/NDF: 3415888.1/27

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.273+/-0.005 χ^2/NDF: 4818605.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

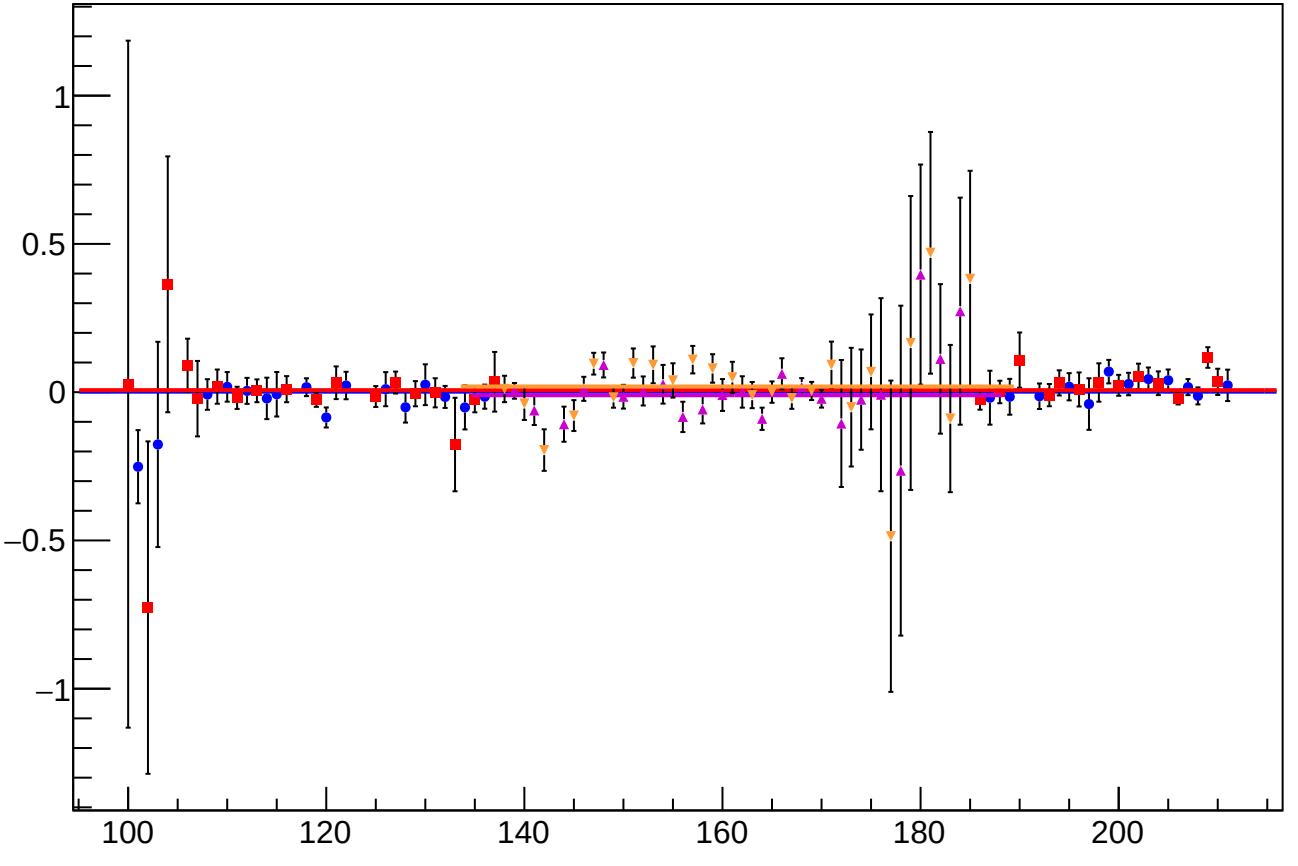
Right: 28.614+/-0.004 χ^2/NDF: 8366856.3/58

In: 32.253+/-0.005 χ^2/NDF:13084078.5/50

Out: 30.984+/-0.004 χ^2/NDF:14457286.4/54

All: 31.593+/-0.003 χ^2/NDF: 27580428.6/105

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

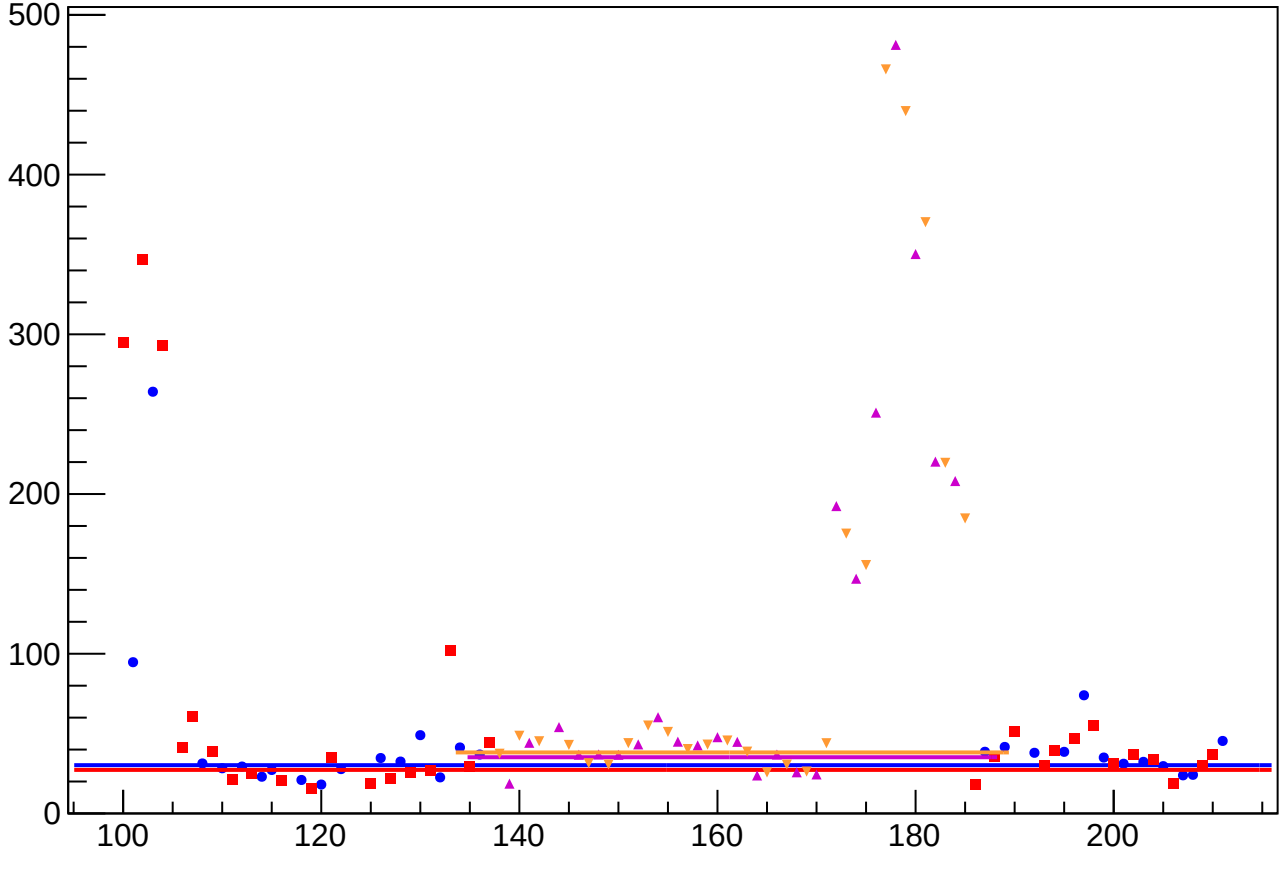
Right: 0.005+/-0.006 χ^2/NDF: 46.5/58

In: -0.003+/-0.007 χ^2/NDF:45.3/50

Out: 0.011+/-0.006 χ^2/NDF:62.2/54

All: 0.004+/-0.005 χ^2/NDF: 110.0/105

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.232+/-0.006 χ^2/NDF: 3415888.1/27

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.273+/-0.005 χ^2/NDF: 4818605.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

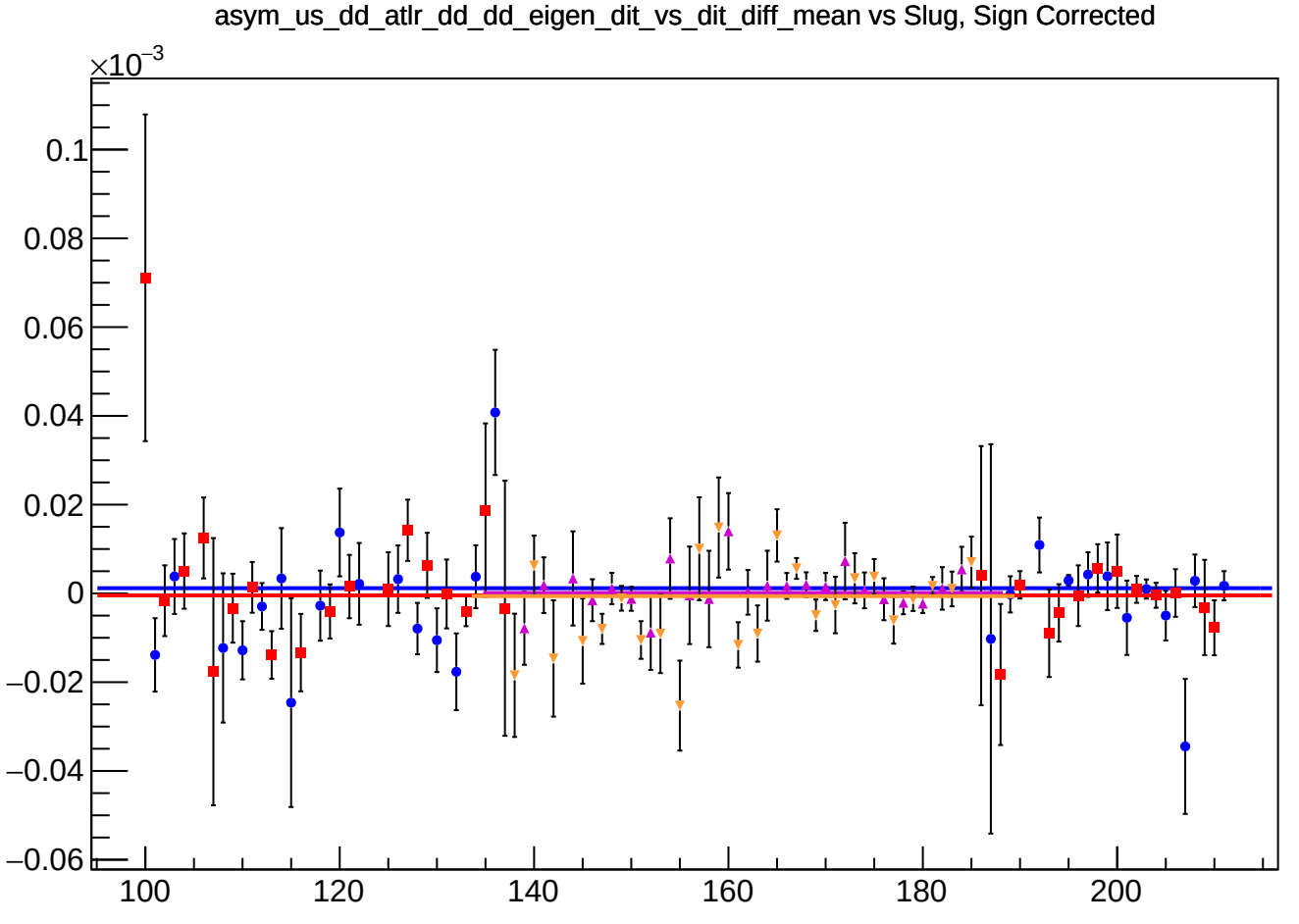
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.614+/-0.004 χ^2/NDF: 8366856.3/58

In: 32.253+/-0.005 χ^2/NDF:13084078.5/50

Out: 30.984+/-0.004 χ^2/NDF:14457286.4/54

All: 31.593+/-0.003 χ^2/NDF: 27580428.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

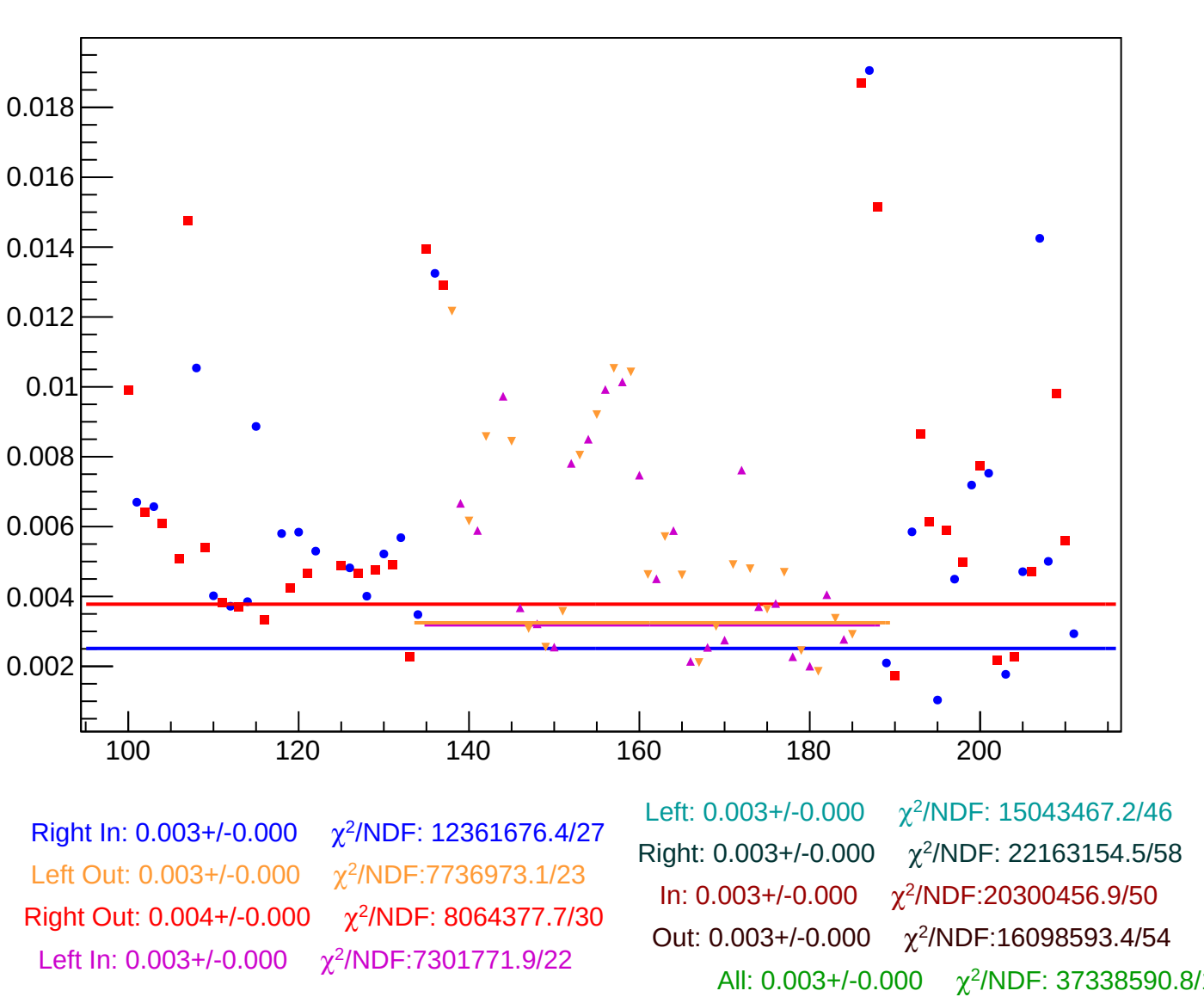
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 73.9/58

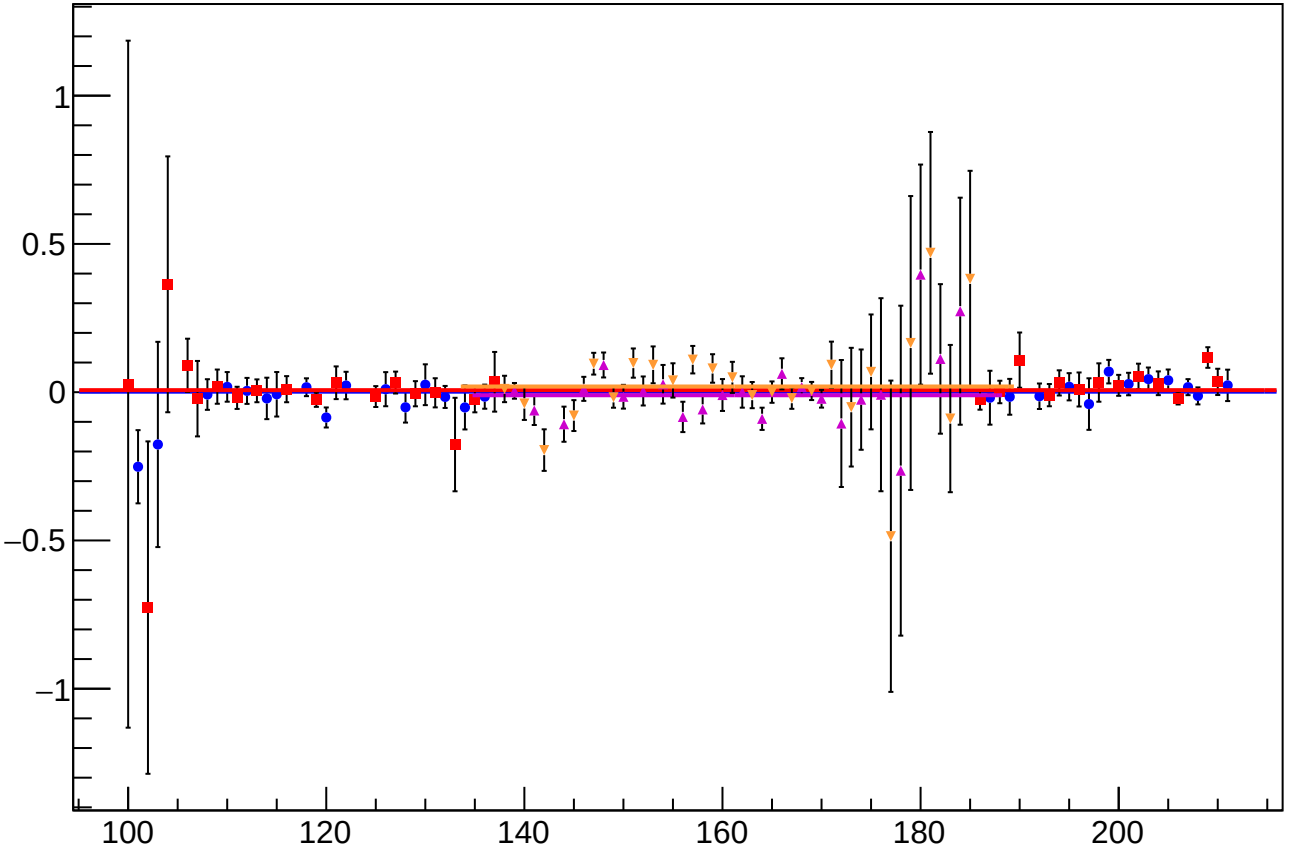
In: 0.000+/-0.000 χ^2/NDF:54.8/50

Out: -0.000+/-0.000 χ^2/NDF:80.7/54

All: 0.000+/-0.000 χ^2/NDF: 137.2/105


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 12361676.4/27
Left Out: 0.003+/-0.000 χ²/NDF:7736973.1/23
Right Out: 0.004+/-0.000 χ²/NDF: 8064377.7/30
Left In: 0.003+/-0.000 χ²/NDF:7301771.9/22
Left: 0.003+/-0.000 χ²/NDF: 15043467.2/46
Right: 0.003+/-0.000 χ²/NDF: 22163154.5/58
In: 0.003+/-0.000 χ²/NDF:20300456.9/50
Out: 0.003+/-0.000 χ²/NDF:16098593.4/54
All: 0.003+/-0.000 χ²/NDF: 37338590.8/105

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

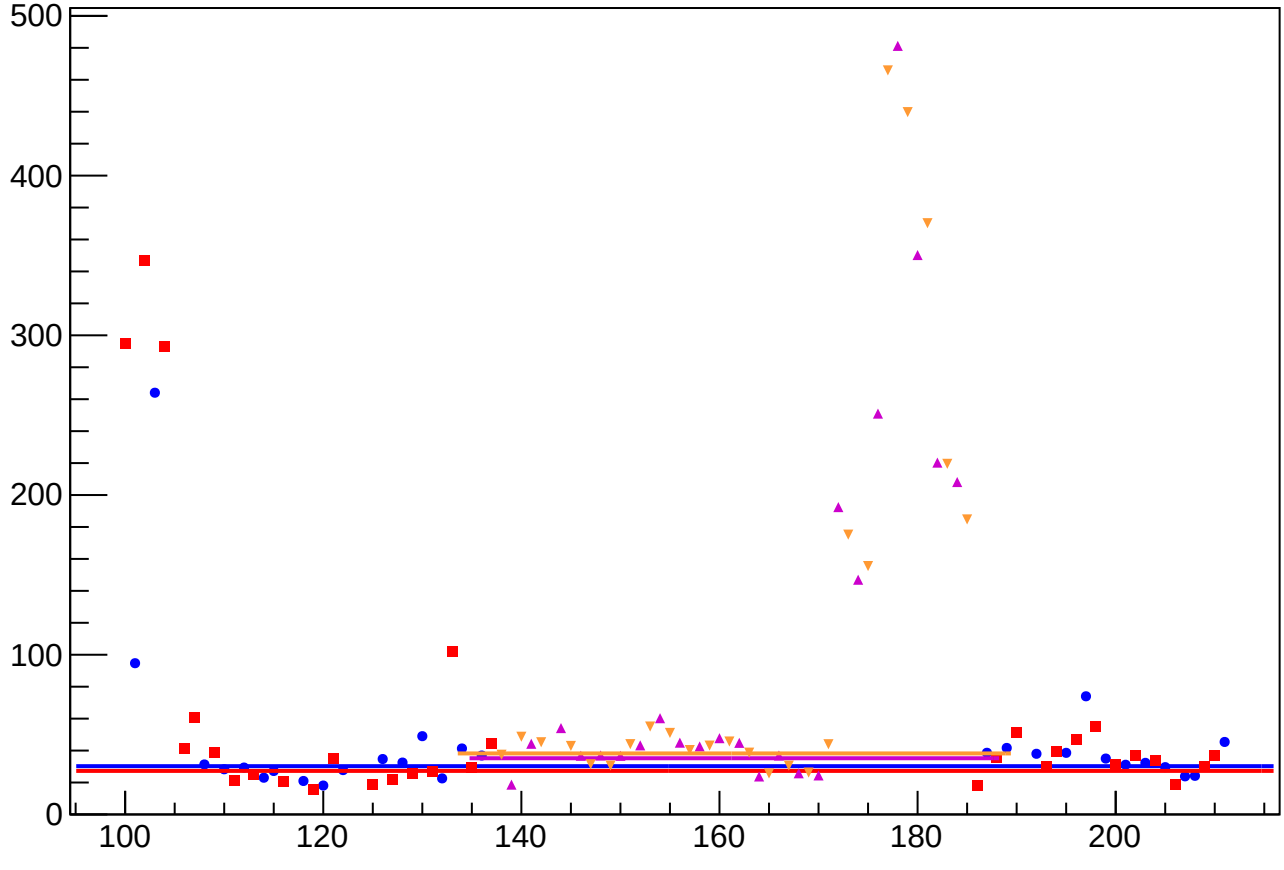
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.005+/-0.006 χ^2/NDF: 46.5/58

In: -0.003+/-0.007 χ^2/NDF:45.3/50

Out: 0.011+/-0.006 χ^2/NDF:62.2/54

All: 0.004+/-0.005 χ^2/NDF: 110.0/105



Right In: 30.231+/-0.006 χ^2/NDF: 3416174.3/27

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.271+/-0.005 χ^2/NDF: 4818878.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

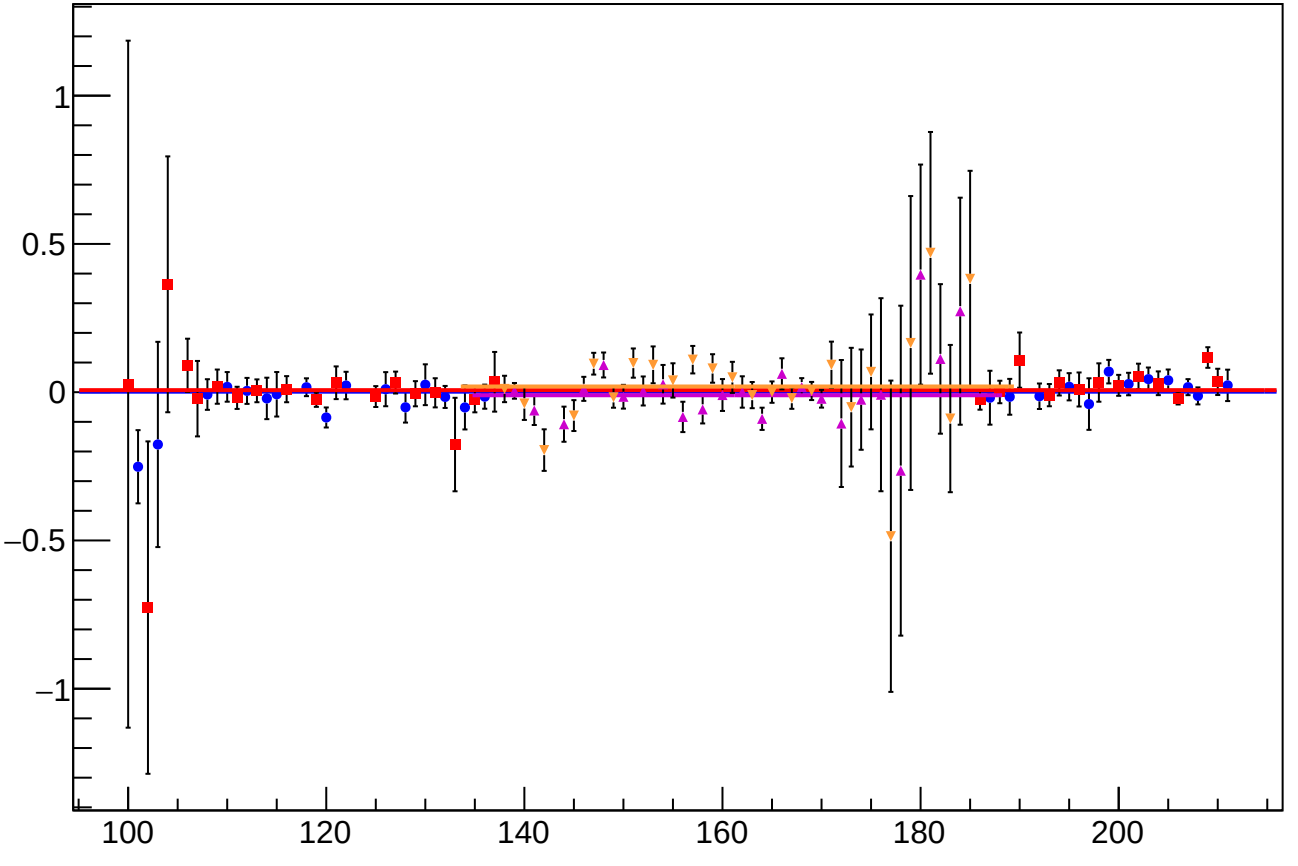
Right: 28.613+/-0.004 χ^2/NDF: 8367424.1/58

In: 32.252+/-0.005 χ^2/NDF:13084922.5/50

Out: 30.982+/-0.004 χ^2/NDF:14458019.1/54

All: 31.592+/-0.003 χ^2/NDF: 27582018.6/105

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.009 χ^2/NDF: 20.9/27

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.008 χ^2/NDF: 25.4/30

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

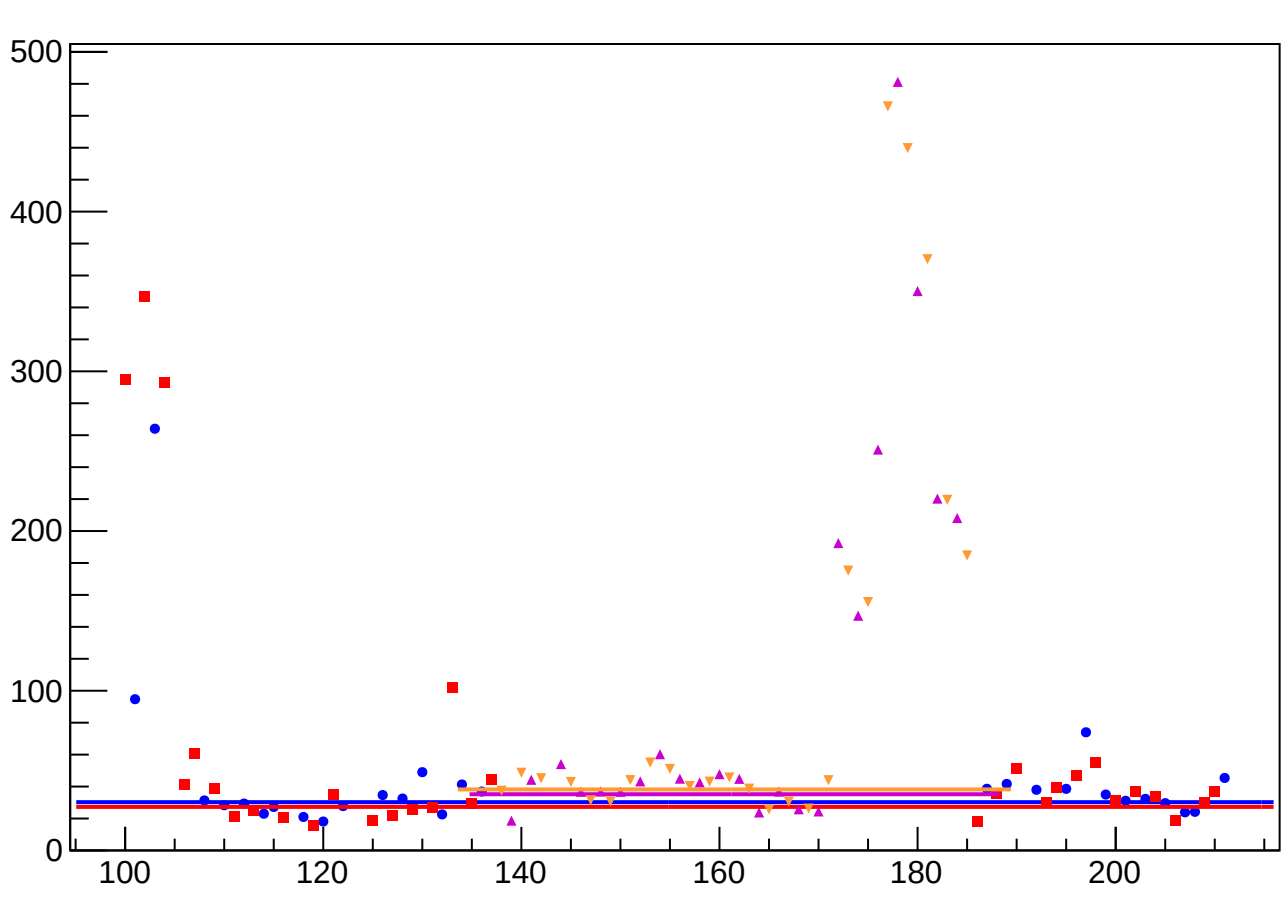
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.005+/-0.006 χ^2/NDF: 46.5/58

In: -0.003+/-0.007 χ^2/NDF:45.3/50

Out: 0.011+/-0.006 χ^2/NDF:62.2/54

All: 0.004+/-0.005 χ^2/NDF: 110.0/105



Right In: 30.231+/-0.006 χ^2/NDF: 3416174.3/27

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.271+/-0.005 χ^2/NDF: 4818878.0/30

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

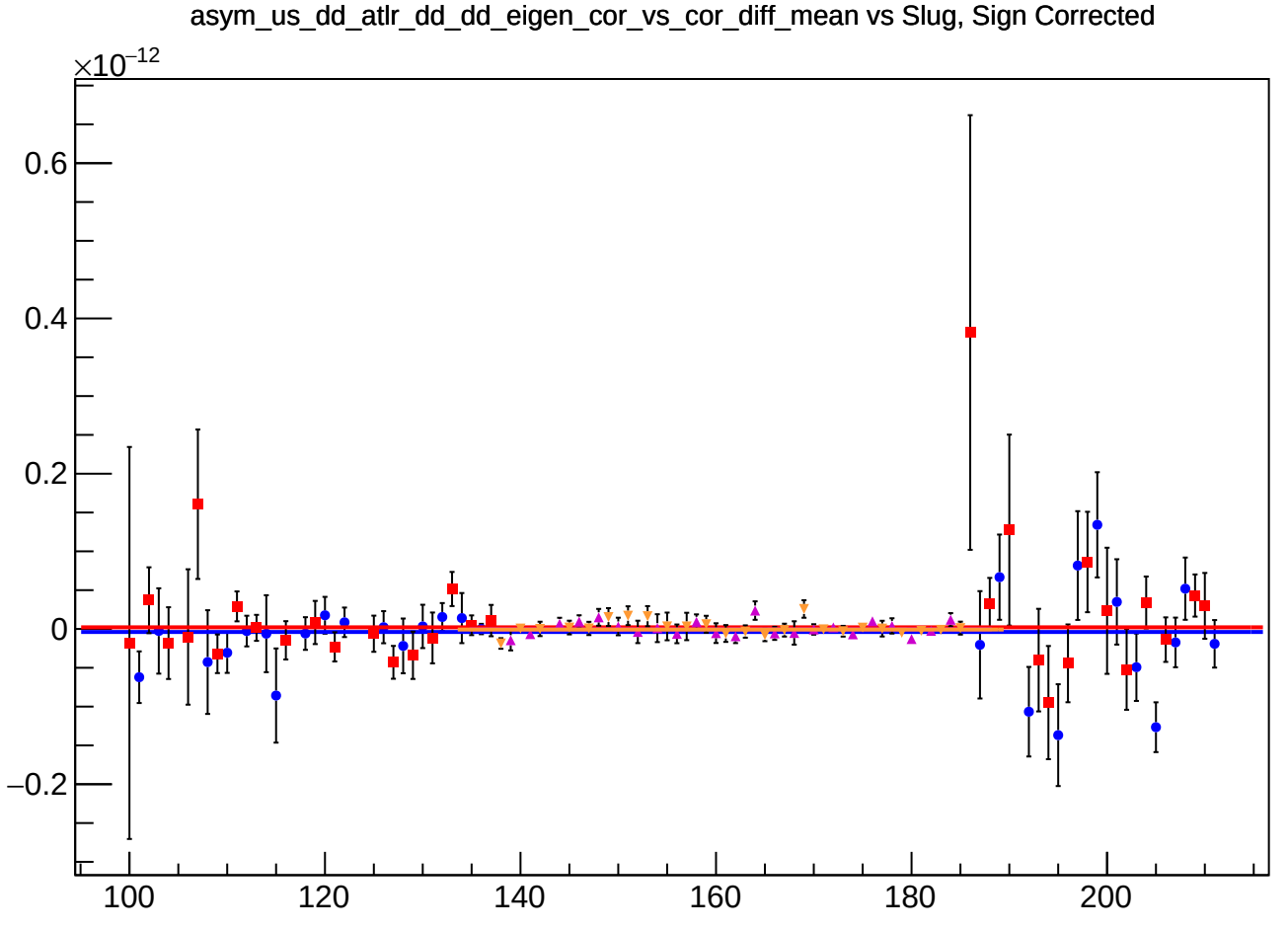
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.613+/-0.004 χ^2/NDF: 8367424.1/58

In: 32.252+/-0.005 χ^2/NDF:13084922.5/50

Out: 30.982+/-0.004 χ^2/NDF:14458019.1/54

All: 31.592+/-0.003 χ^2/NDF: 27582018.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

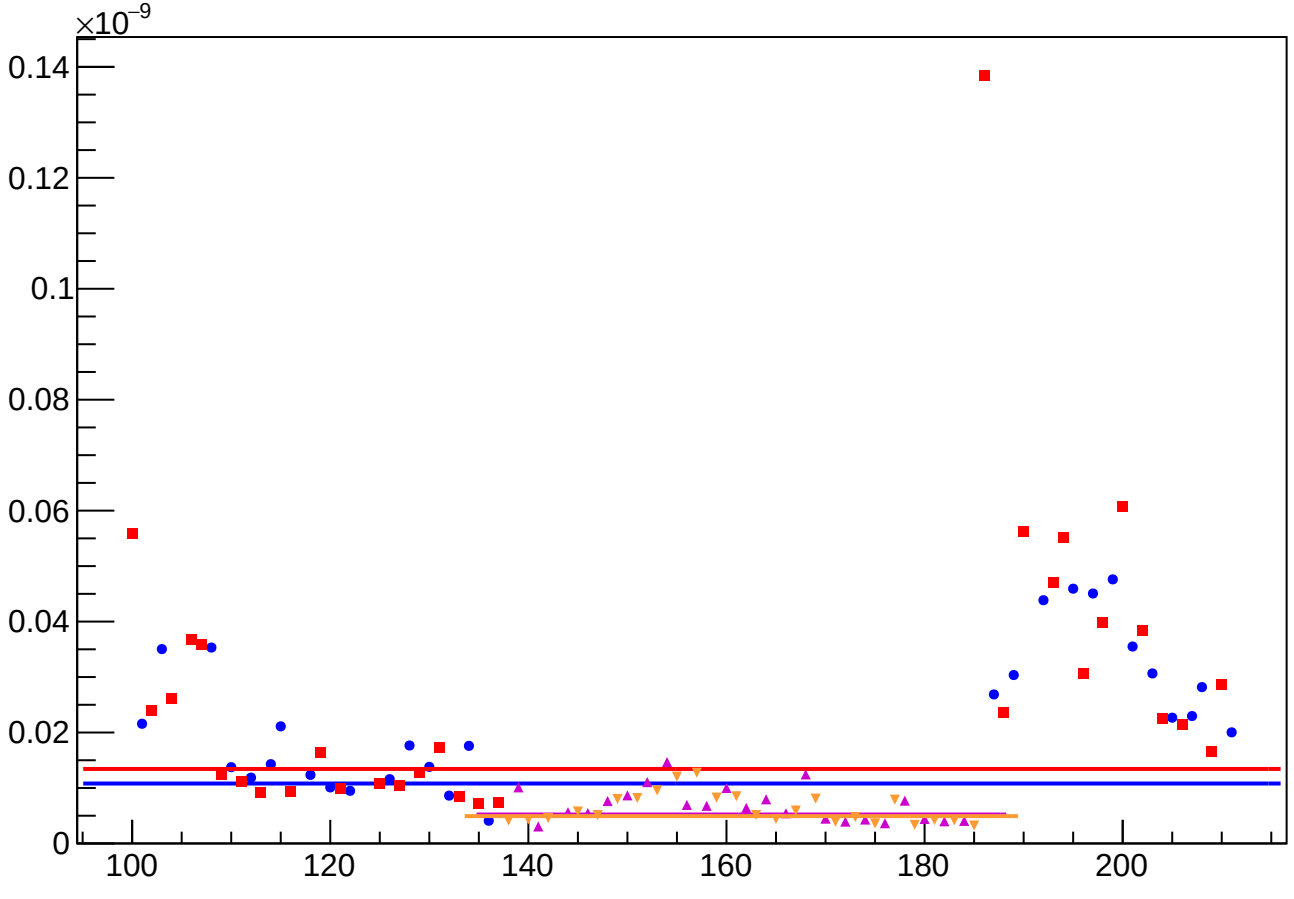
Right: -0.000+/-0.000 χ^2/NDF: 78.6/58

In: -0.000+/-0.000 χ^2/NDF:69.7/50

Out: -0.000+/-0.000 χ^2/NDF:56.2/54

All: -0.000+/-0.000 χ^2/NDF: 126.0/105

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7822633.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6039117.9/30

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

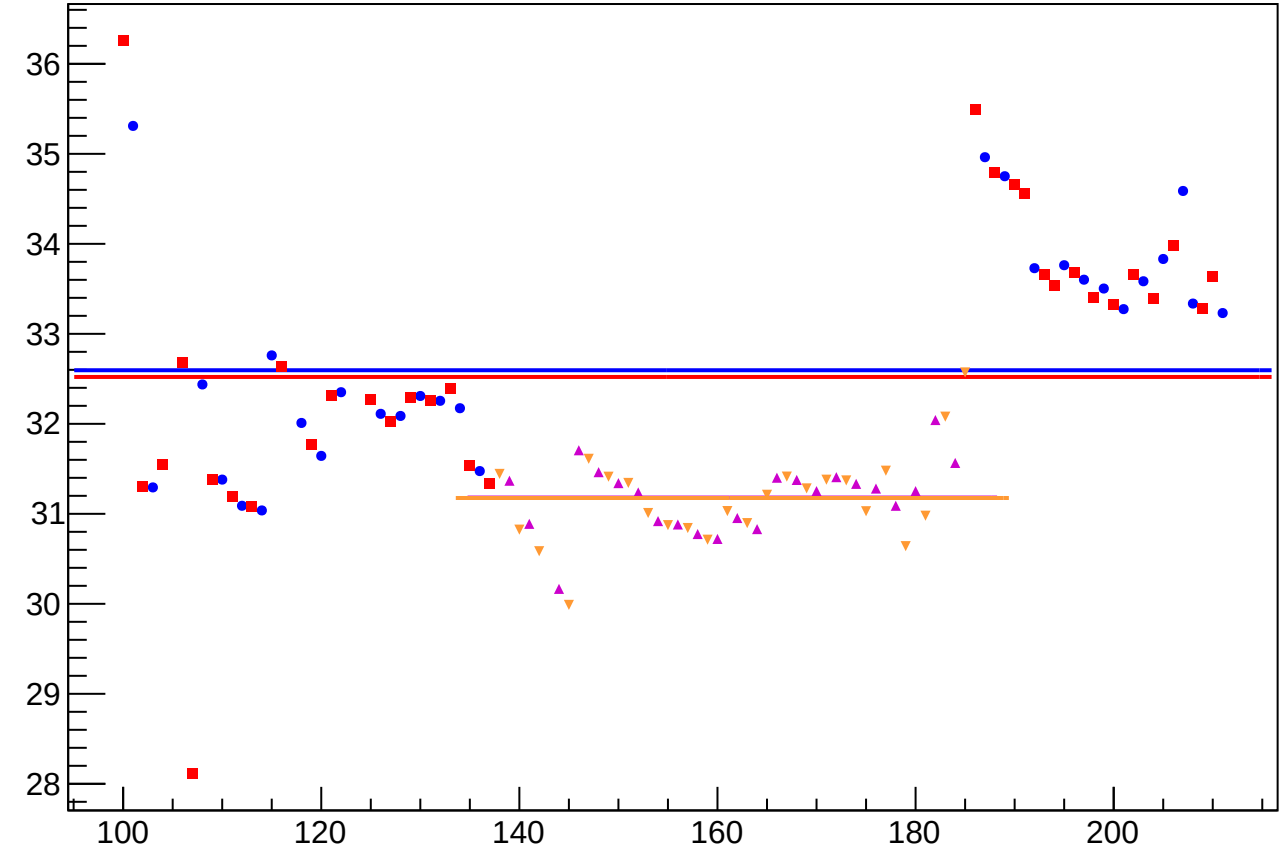
Right: 0.000+/-0.000 χ^2/NDF: 14160653.3/58

In: 0.000+/-0.000 χ^2/NDF:14014318.6/50

Out: 0.000+/-0.000 χ^2/NDF:13732104.5/54

All: 0.000+/-0.000 χ^2/NDF: 27766244.7/105

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.595+/-0.000 χ^2/NDF: 2284174905.9/27

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.521+/-0.000 χ^2/NDF: 2180603008.9/31

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

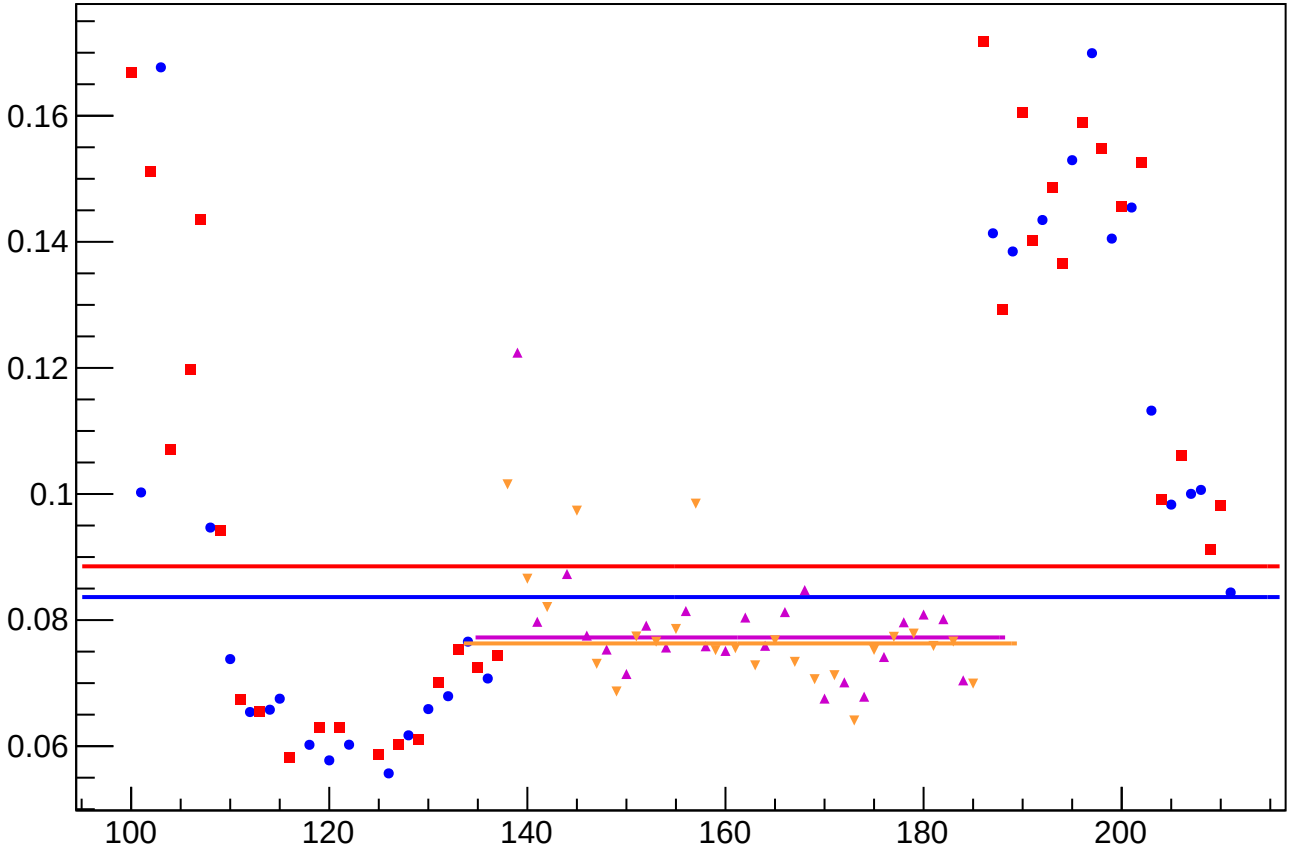
Right: 32.559+/-0.000 χ^2/NDF: 4470206613.1/59

In: 31.772+/-0.000 χ^2/NDF:4976545462.7/50

Out: 31.712+/-0.000 χ^2/NDF:4786854324.9/55

All: 31.742+/-0.000 χ^2/NDF: 9771862479.3/1

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.084+/-0.000 χ^2/NDF: 3444380.6/27

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.089+/-0.000 χ^2/NDF: 3957569.9/31

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

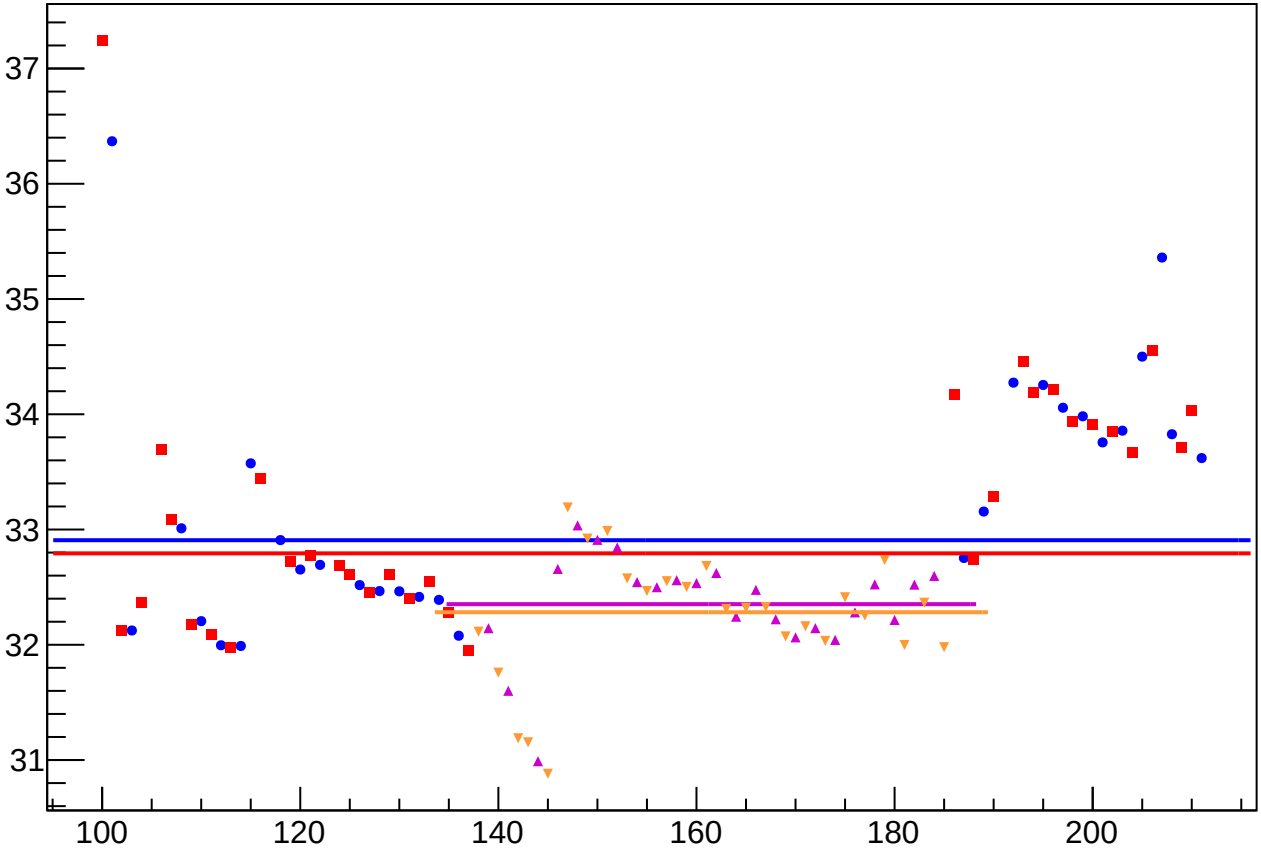
Right: 0.086+/-0.000 χ^2/NDF: 7448253.0/59

In: 0.080+/-0.000 χ^2/NDF:3904535.1/50

Out: 0.081+/-0.000 χ^2/NDF:4657746.2/55

All: 0.081+/-0.000 χ^2/NDF: 8569753.8/106

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.907+/-0.000 χ^2/NDF: 1154189809.0/27

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.793+/-0.000 χ^2/NDF: 582793362.0/31

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

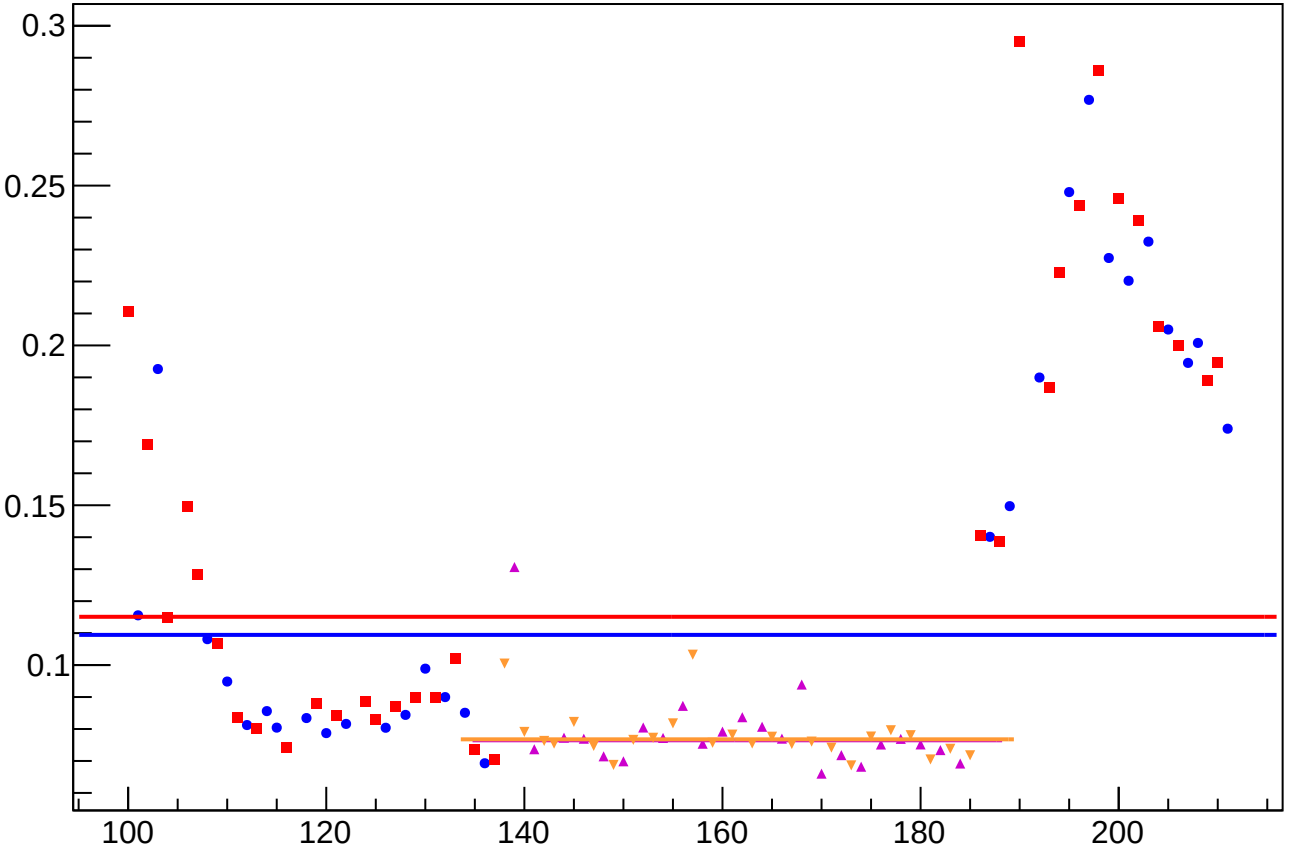
Right: 32.851+/-0.000 χ^2/NDF: 1743809366.0/59

In: 32.502+/-0.000 χ^2/NDF:1982248177.8/50

Out: 32.414+/-0.000 χ^2/NDF:1623316454.4/56

All: 32.457+/-0.000 χ^2/NDF: 3620919812.2/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.109+/-0.000 χ^2/NDF: 5566033.6/27

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.115+/-0.000 χ^2/NDF: 5694372.5/31

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

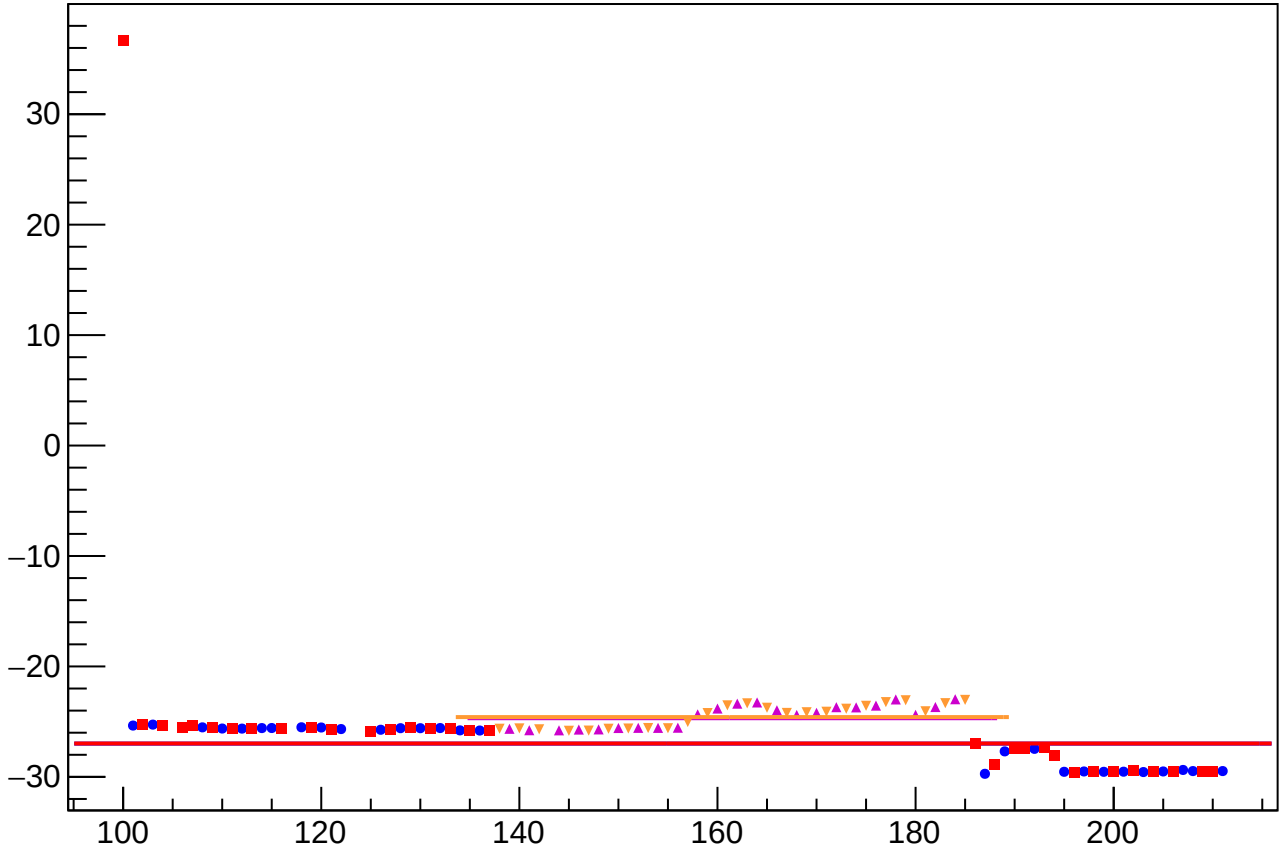
Right: 0.112+/-0.000 χ^2/NDF: 11294022.9/59

In: 0.085+/-0.000 χ^2/NDF:7731655.9/50

Out: 0.087+/-0.000 χ^2/NDF:8215539.8/56

All: 0.086+/-0.000 χ^2/NDF: 15953987.5/107

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.989+/-0.000 χ^2/NDF: 22245265629.4/27

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.977+/-0.000 χ^2/NDF: 30878597864.1/31

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

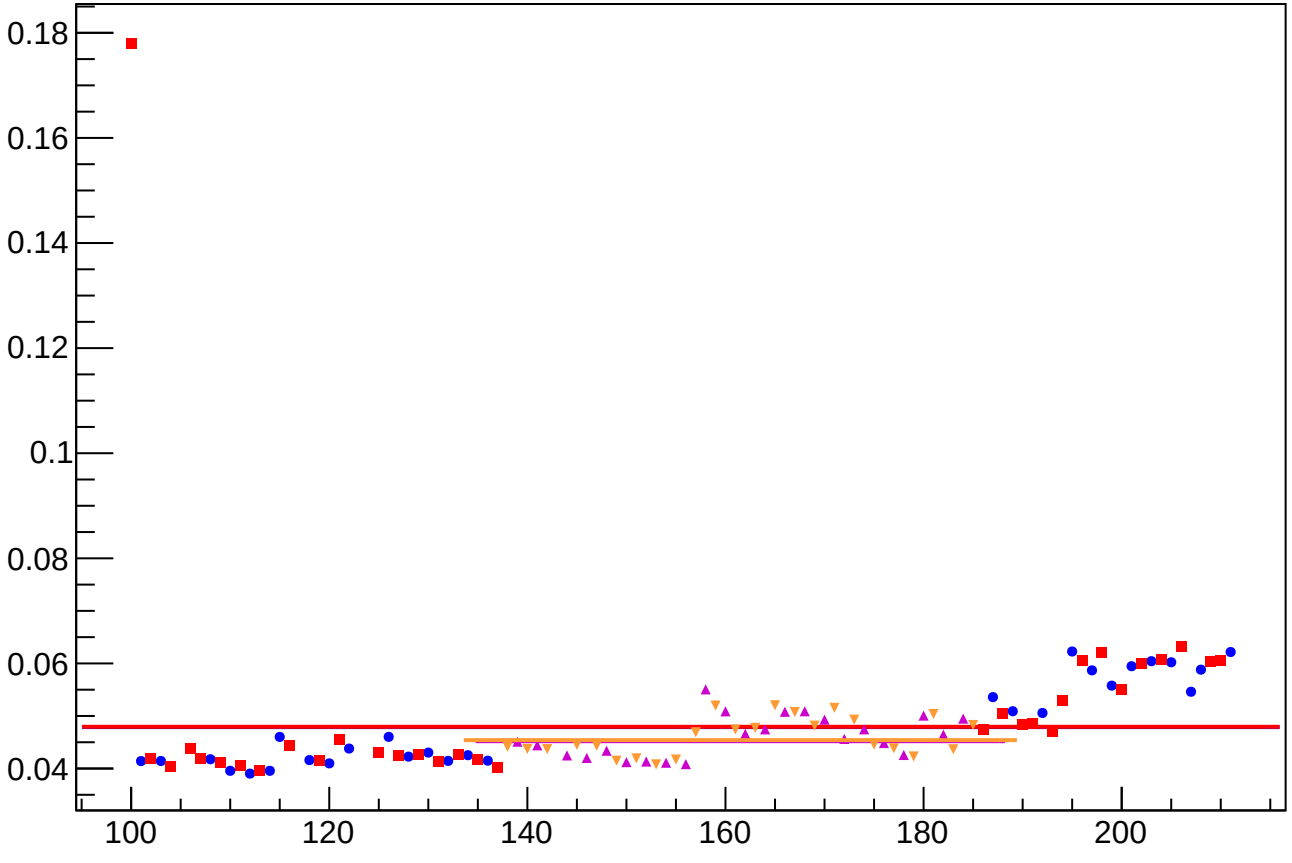
Right: -26.983+/-0.000 χ^2/NDF: 53124330546.7/59

In: -25.702+/-0.000 χ^2/NDF:51365078357.1/50

Out: -25.684+/-0.000 χ^2/NDF:62954800390.7/55

All: -25.693+/-0.000 χ^2/NDF: 114322248307

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.048+/-0.000 χ^2/NDF: 882119.0/27

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 990984.2/31

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

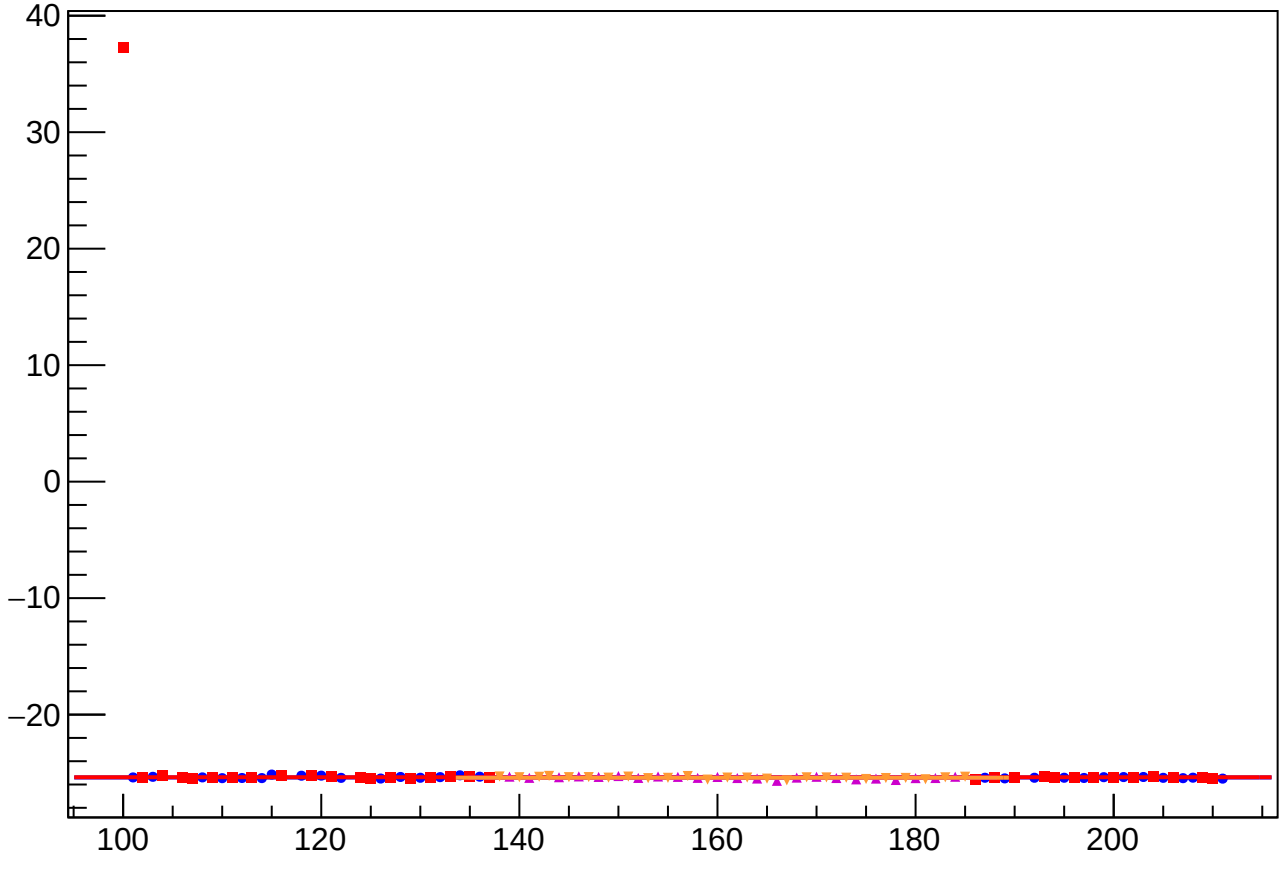
Right: 0.048+/-0.000 χ^2/NDF: 1873125.3/59

In: 0.046+/-0.000 χ^2/NDF:1181899.3/50

Out: 0.047+/-0.000 χ^2/NDF:1248017.8/55

All: 0.046+/-0.000 χ^2/NDF: 2430454.1/106

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.397+/-0.000 χ^2/NDF: 24446720.7/27

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.376+/-0.000 χ^2/NDF: 6337618753.4/31

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

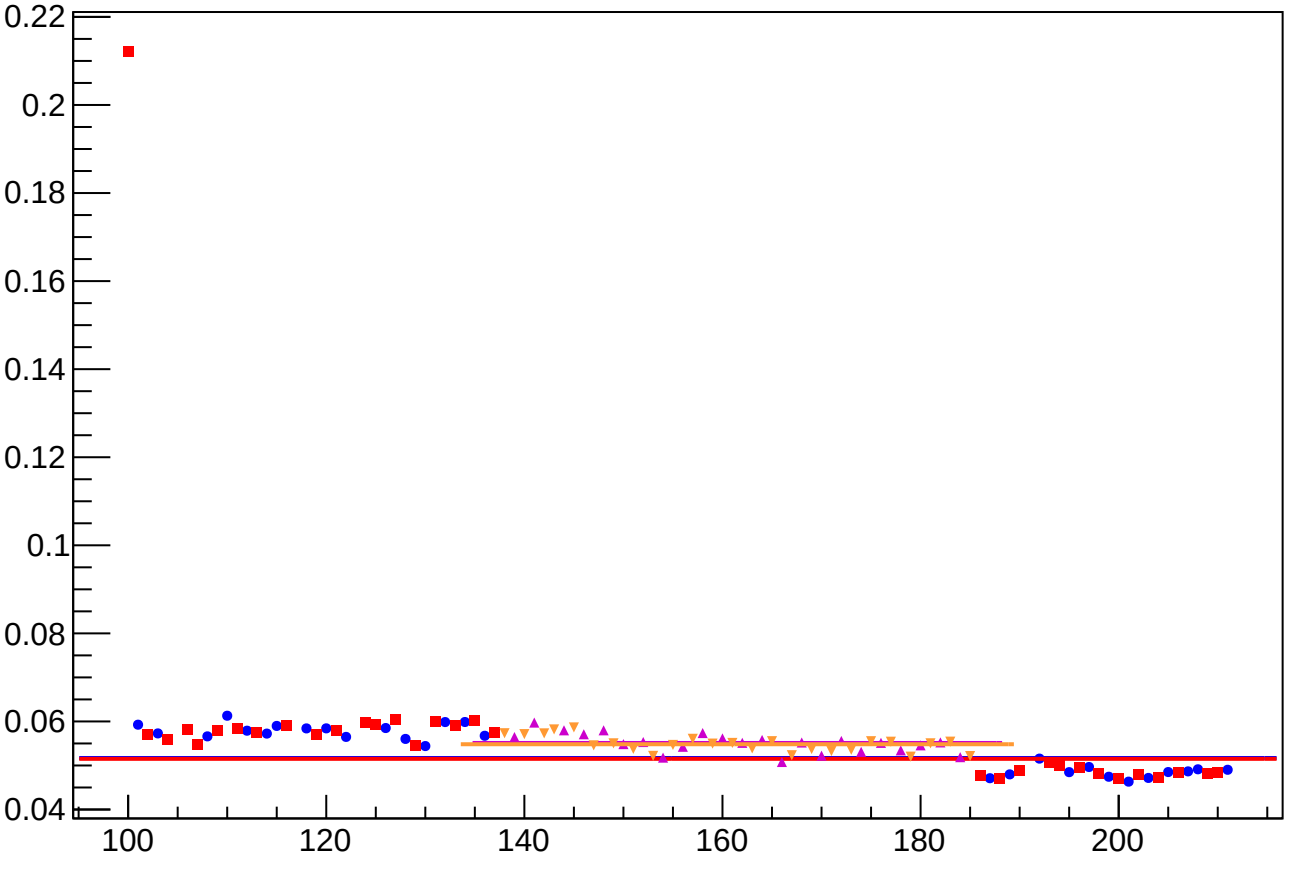
Right: -25.386+/-0.000 χ^2/NDF: 6363391571.6/59

In: -25.405+/-0.000 χ^2/NDF:81181236.3/50

Out: -25.396+/-0.000 χ^2/NDF:6395028774.3/56

All: -25.401+/-0.000 χ^2/NDF: 6476746251.7/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 257997.4/27

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 368890.3/31

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

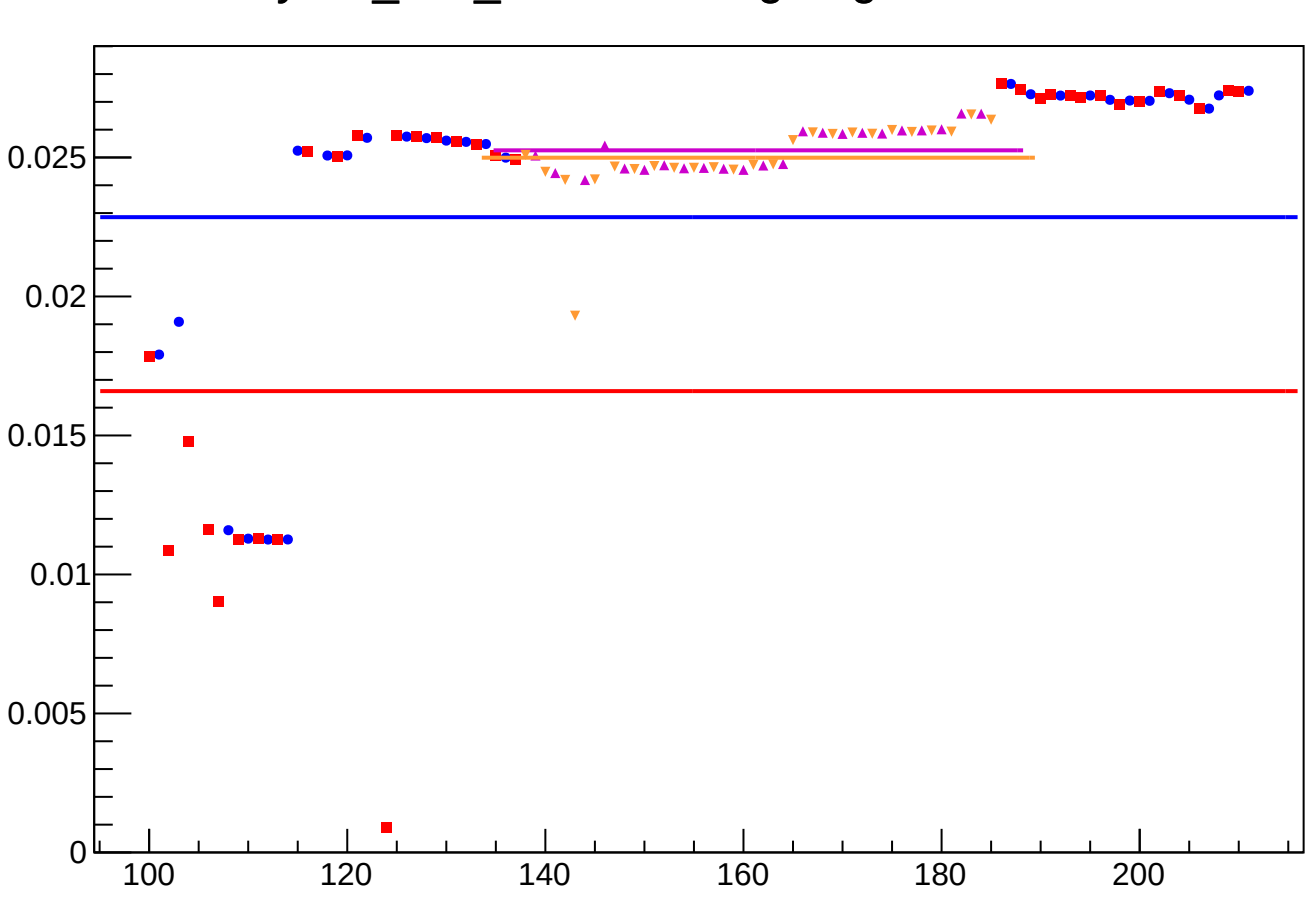
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.052+/-0.000 χ^2/NDF: 627110.7/59

In: 0.053+/-0.000 χ^2/NDF:378431.4/50

Out: 0.053+/-0.000 χ^2/NDF:476713.5/56

All: 0.053+/-0.000 χ^2/NDF: 855913.0/107



Right In: 0.023+/-0.000 χ^2/NDF: 95406504945.8/27

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 459134370272.4/32

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

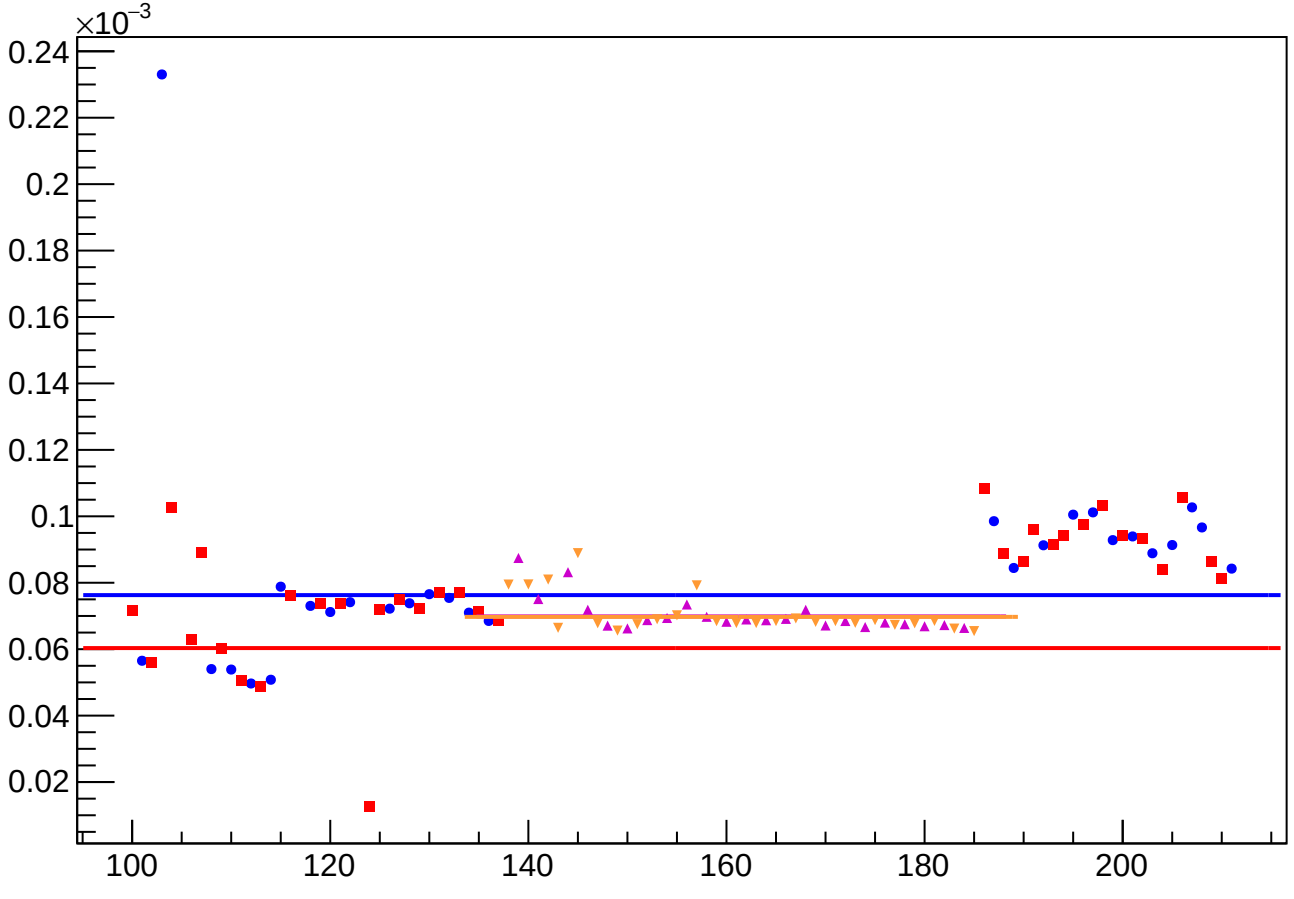
Right: 0.019+/-0.000 χ^2/NDF: 614774380142.6/60

In: 0.024+/-0.000 χ^2/NDF:106118645910.6/50

Out: 0.021+/-0.000 χ^2/NDF:601587232767.6/57

All: 0.022+/-0.000 χ^2/NDF: 747201912296.7

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1892469.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7580510.5/32

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

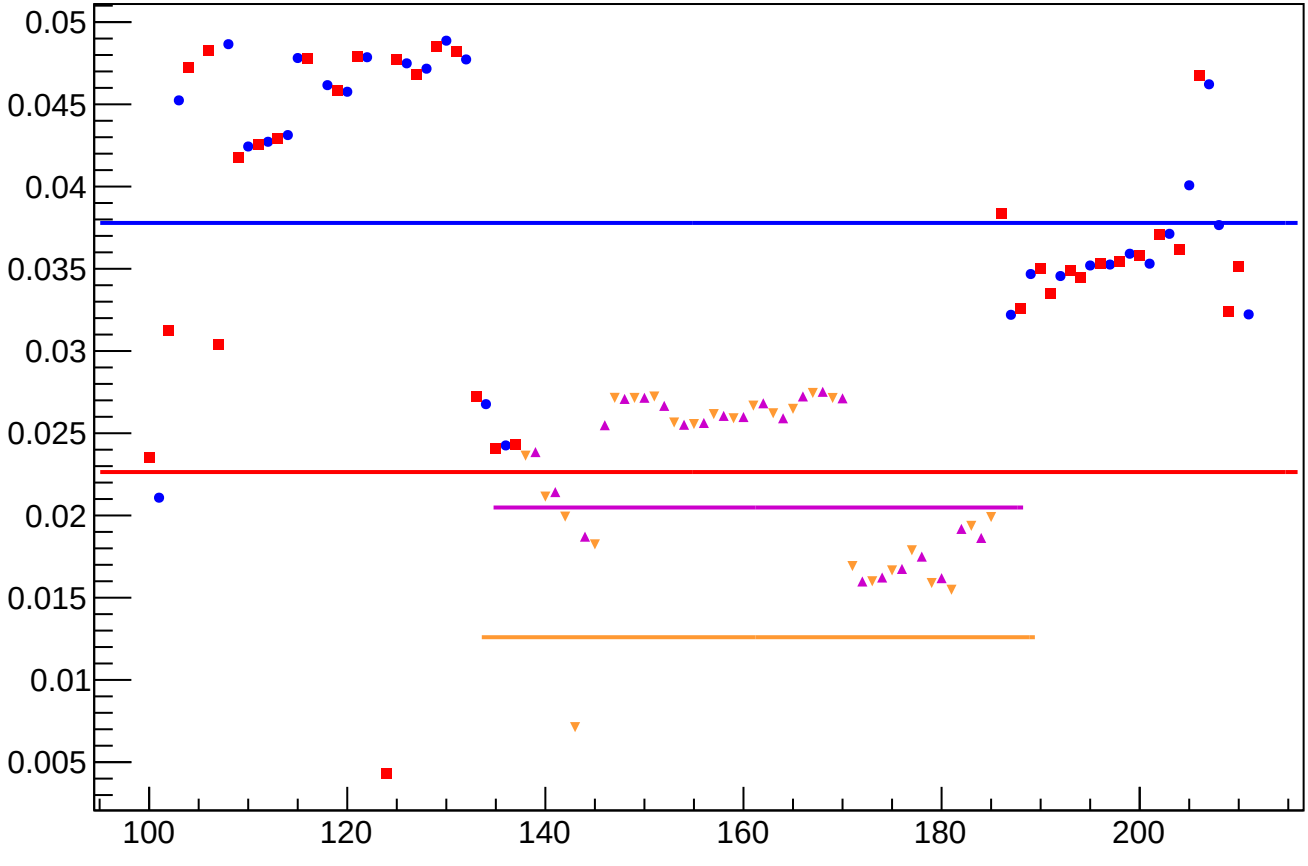
Right: 0.000+/-0.000 χ^2/NDF: 10255301.2/60

In: 0.000+/-0.000 χ^2/NDF:2170433.7/50

Out: 0.000+/-0.000 χ^2/NDF:8105684.2/57

All: 0.000+/-0.000 χ^2/NDF: 10654627.6/108

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7405539200.5/27

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 47306910690.9/32

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

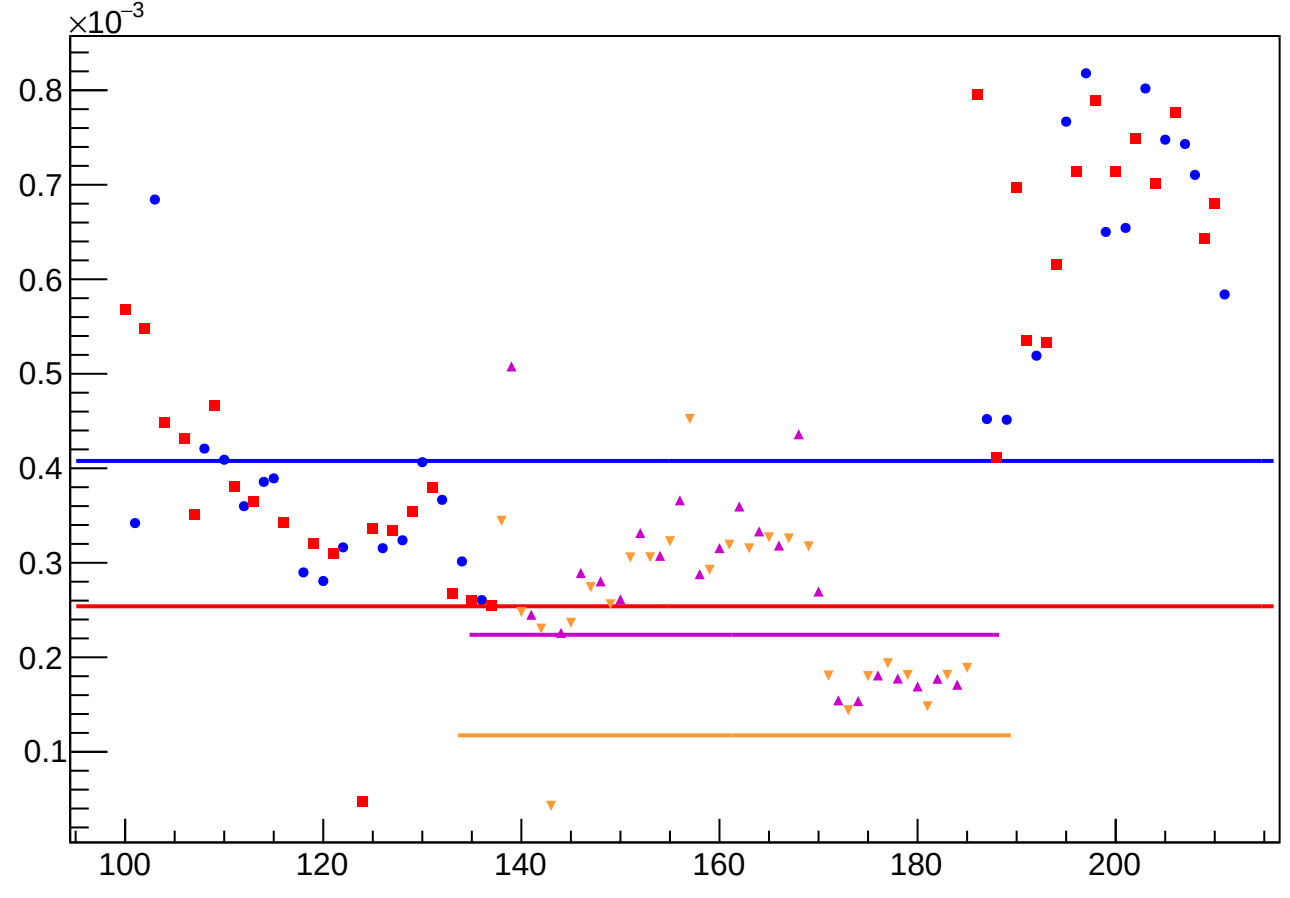
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 66634235535.3/60

In: 0.024+/-0.000 χ^2/NDF:32496930787.0/50

Out: 0.014+/-0.000 χ^2/NDF:97061734121.5/57

All: 0.017+/-0.000 χ^2/NDF: 155763352678.2



Right In: 0.000+/-0.000 χ^2/NDF: 4156625.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14554785.7/32

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

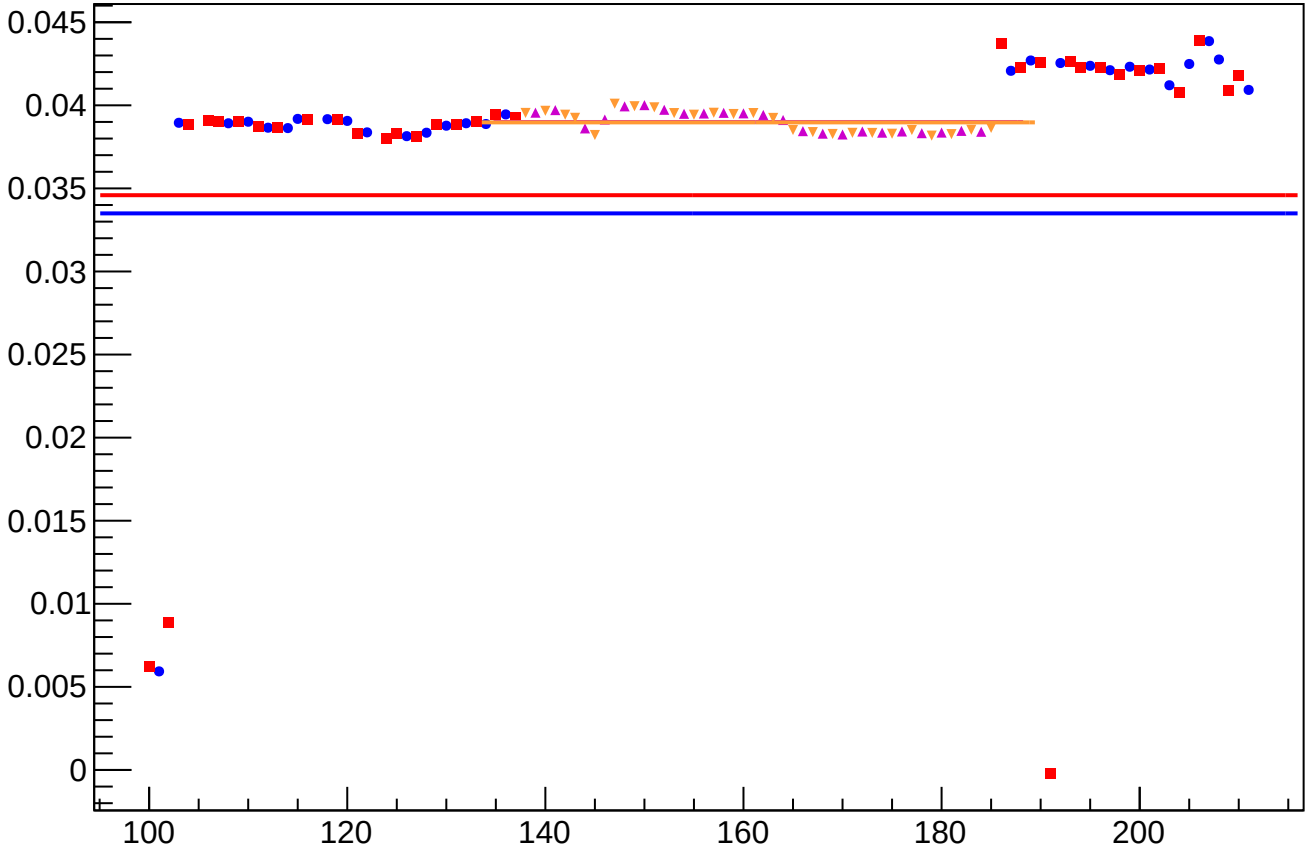
Right: 0.000+/-0.000 χ^2/NDF: 21169428.1/60

In: 0.000+/-0.000 χ^2/NDF:11837624.5/50

Out: 0.000+/-0.000 χ^2/NDF:33536662.5/57

All: 0.000+/-0.000 χ^2/NDF: 53458779.9/108

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 130718254284.8/27

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 120493117971.9/32

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

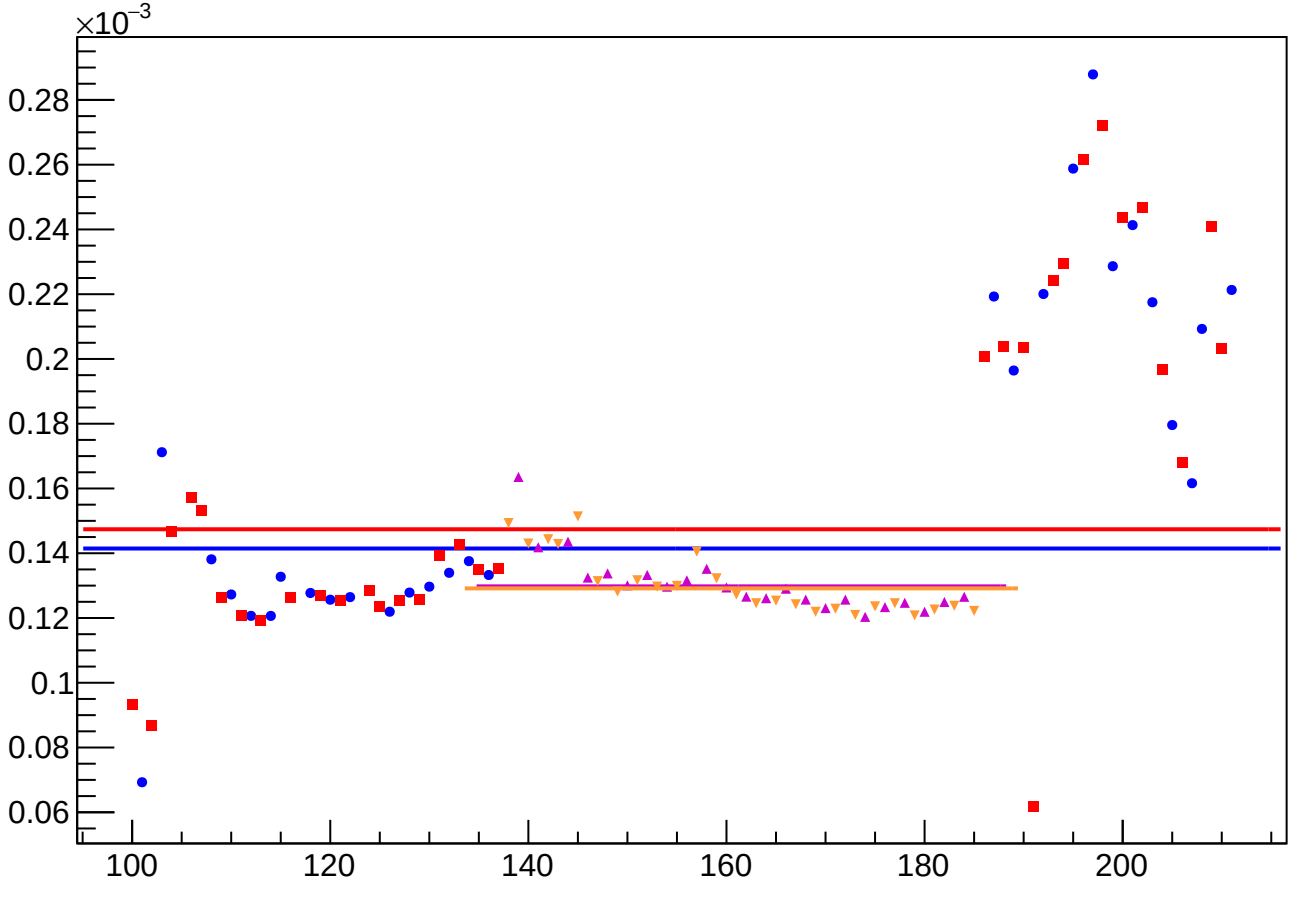
Right: 0.034+/-0.000 χ^2/NDF: 251635270791.0/60

In: 0.037+/-0.000 χ^2/NDF:143957618169.5/50

Out: 0.037+/-0.000 χ^2/NDF:129337999779.2/57

All: 0.037+/-0.000 χ^2/NDF: 273510284844.0

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3906076.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3786954.4/32

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

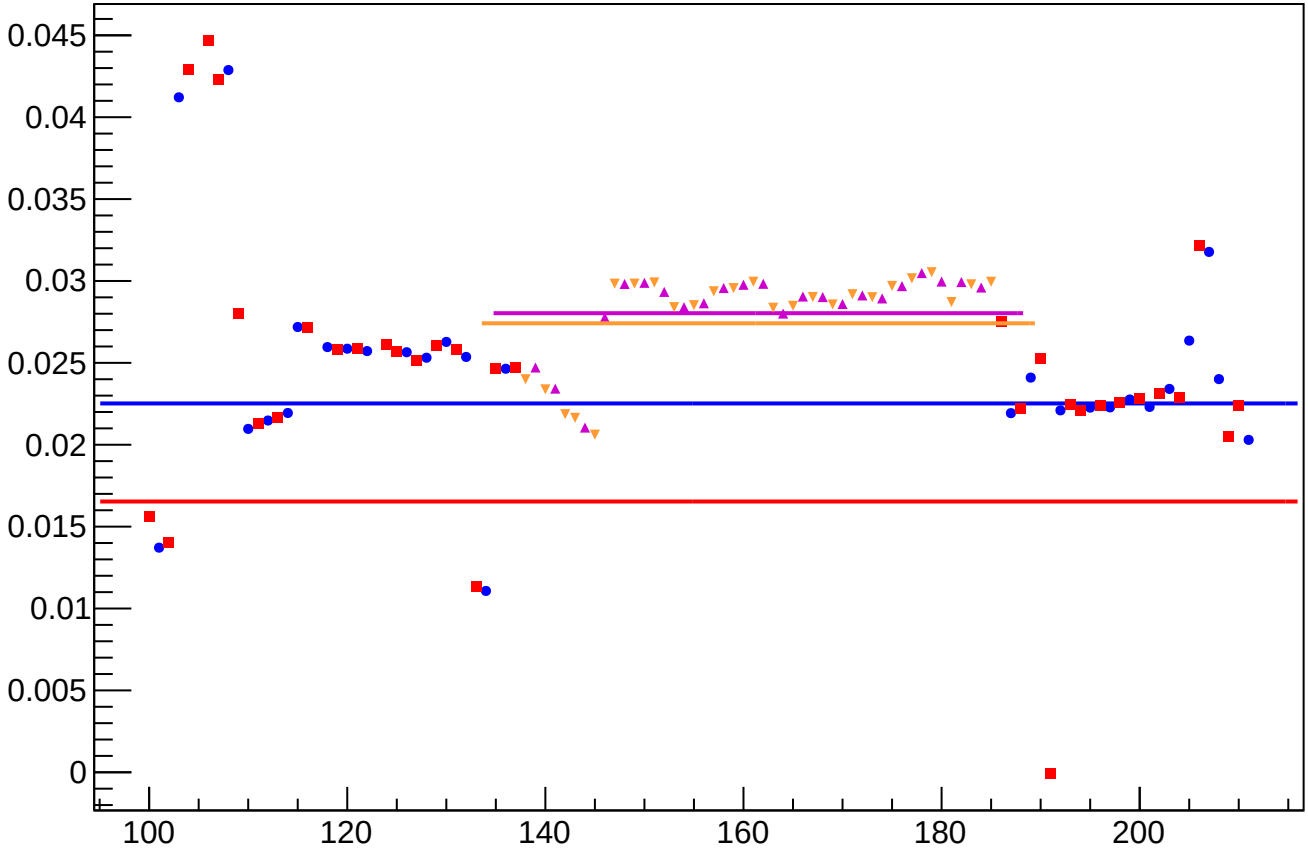
Right: 0.000+/-0.000 χ^2/NDF: 7718041.7/60

In: 0.000+/-0.000 χ^2/NDF:4163769.9/50

Out: 0.000+/-0.000 χ^2/NDF:4234990.3/57

All: 0.000+/-0.000 χ^2/NDF: 8404177.0/108

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5203052301.4/27

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25750463760.7/32

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

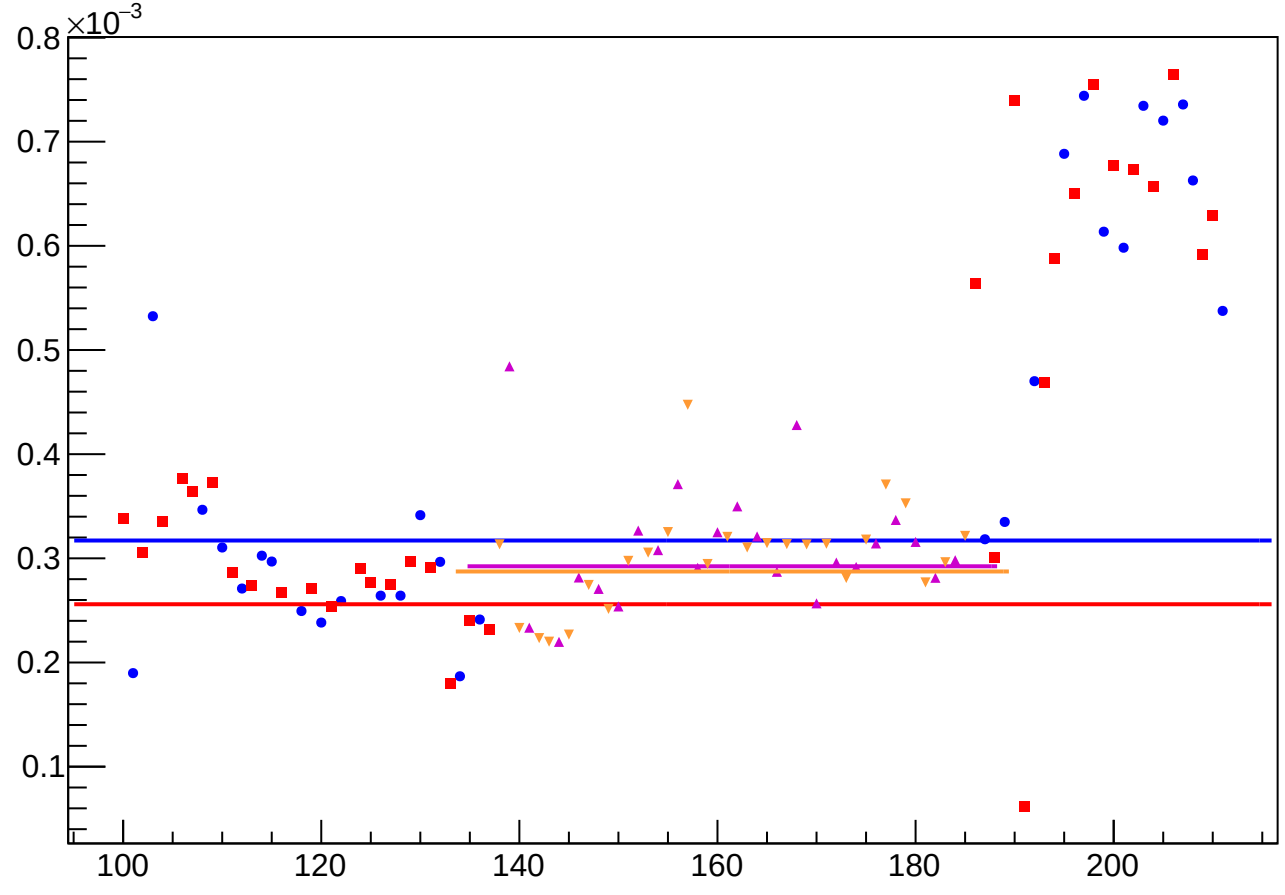
Right: 0.019+/-0.000 χ^2/NDF: 33539395623.5/60

In: 0.026+/-0.000 χ^2/NDF:8989780199.1/50

Out: 0.022+/-0.000 χ^2/NDF:39111432845.8/57

All: 0.024+/-0.000 χ^2/NDF: 50077677186.7/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5717705.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10797408.2/32

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

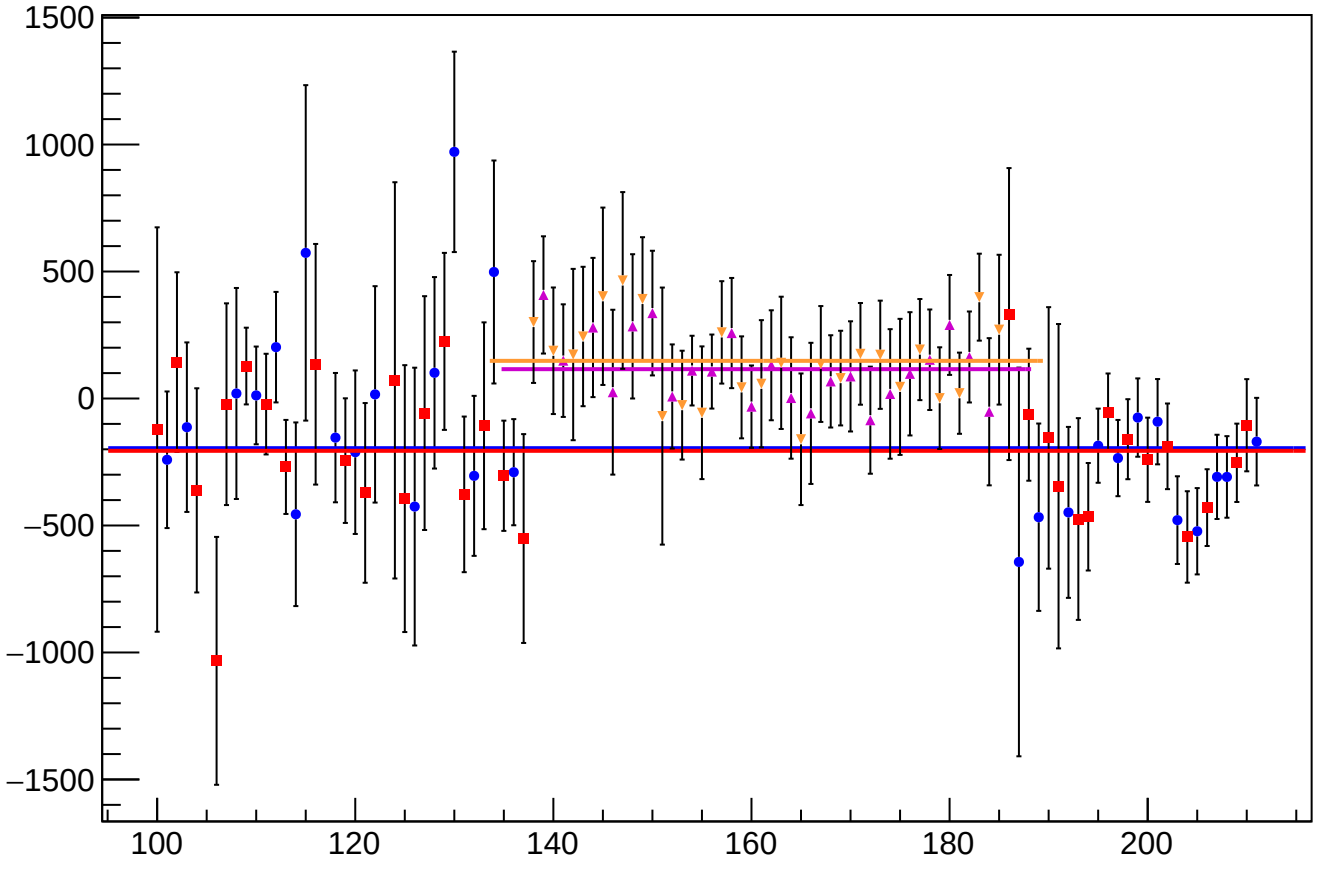
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17055059.7/60

In: 0.000+/-0.000 χ^2/NDF:6780756.8/50

Out: 0.000+/-0.000 χ^2/NDF:11804769.8/57

All: 0.000+/-0.000 χ^2/NDF: 18874620.4/108



Right In: -195.615+/-43.199 χ^2/NDF: 29.3/27

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -205.970+/-41.858 χ^2/NDF: 24.5/32

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

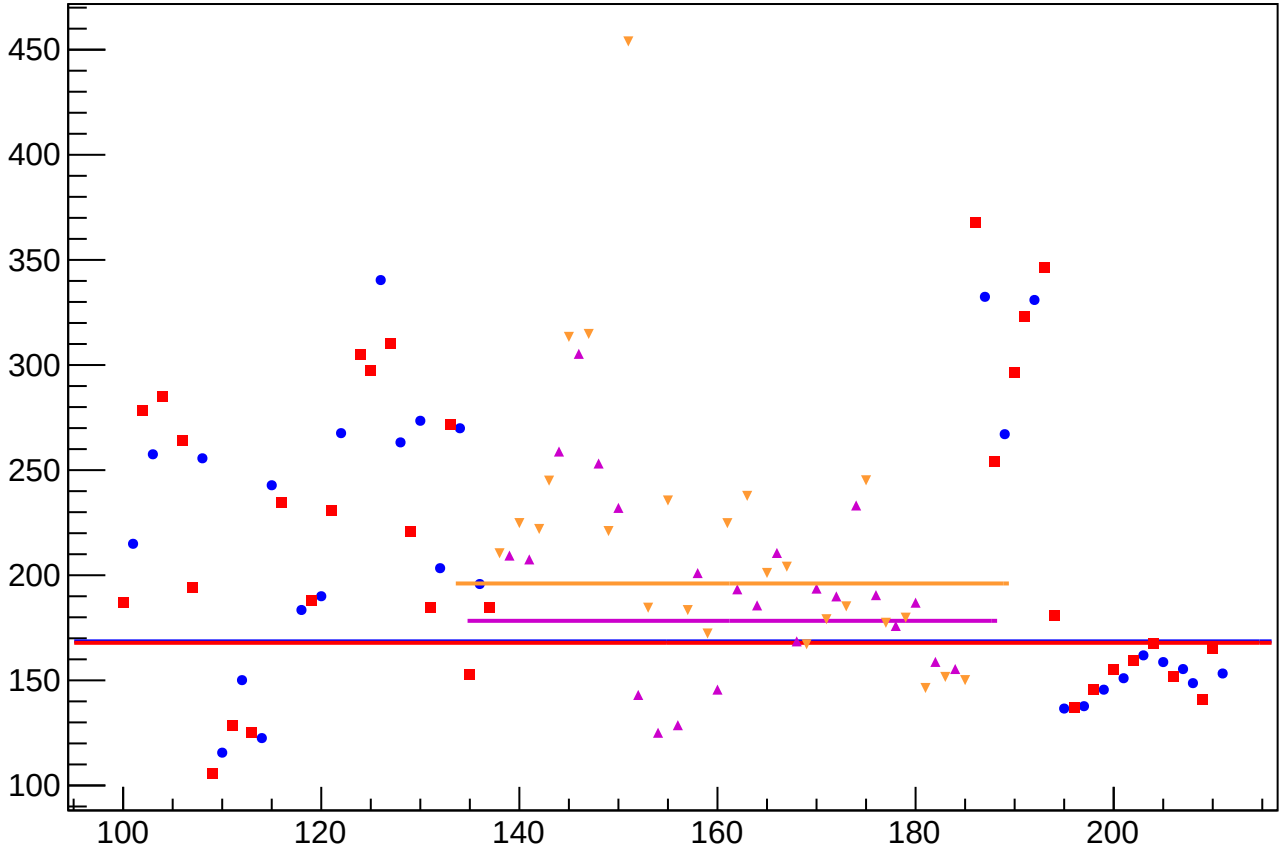
Right: -200.956+/-30.061 χ^2/NDF: 53.8/60

In: -41.385+/-30.676 χ^2/NDF:62.7/50

Out: -46.346+/-31.026 χ^2/NDF:67.1/57

All: -43.838+/-21.814 χ^2/NDF: 129.9/108

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 168.545+/-0.031 χ^2/NDF: 2282380.0/27

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 167.864+/-0.030 χ^2/NDF: 3001845.0/32

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

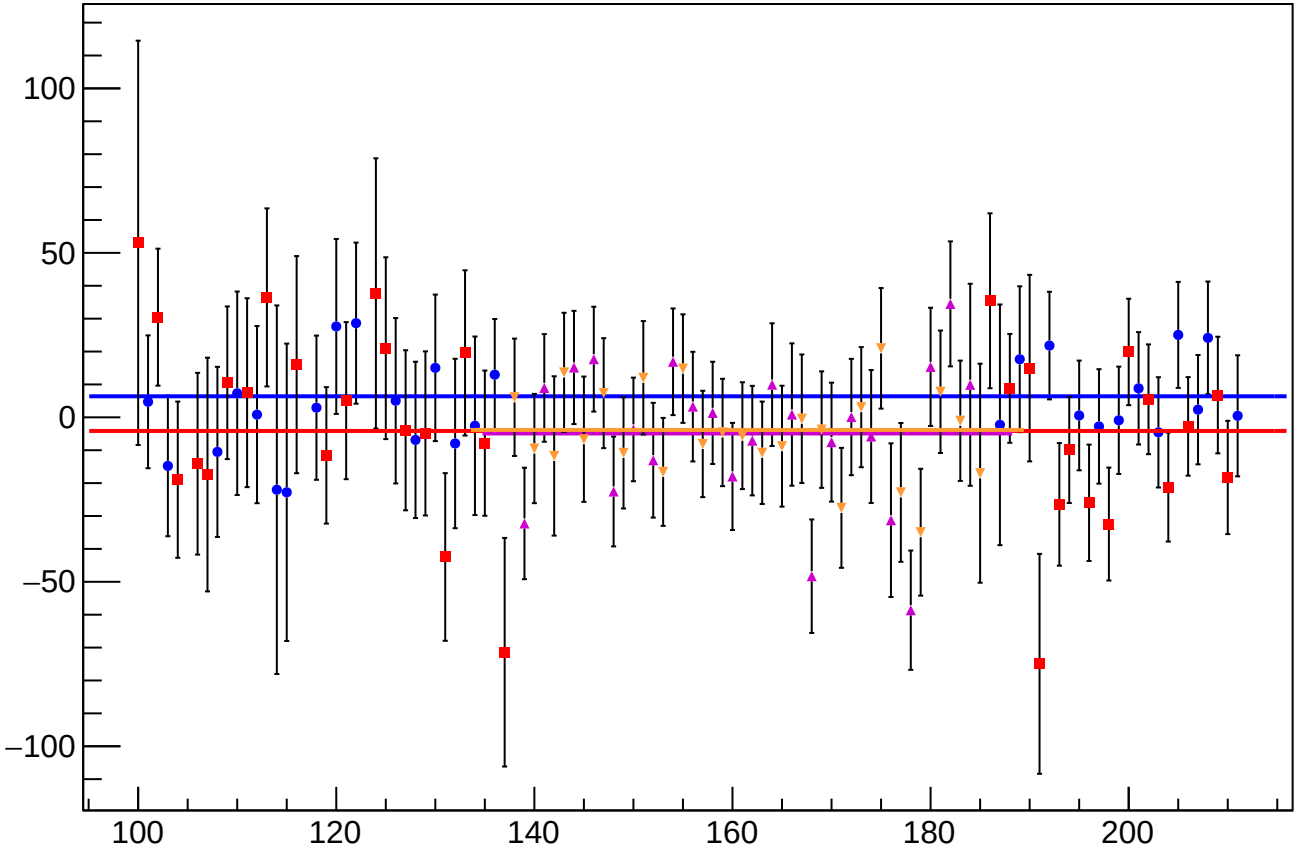
Right: 168.194+/-0.021 χ^2/NDF: 5284480.9/60

In: 173.390+/-0.022 χ^2/NDF:4011461.2/50

Out: 180.581+/-0.022 χ^2/NDF:5230024.8/57

All: 176.945+/-0.015 χ^2/NDF: 9295823.5/108

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.395+/-3.945 χ^2/NDF: 9.5/27

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -4.138+/-3.789 χ^2/NDF: 34.8/32

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

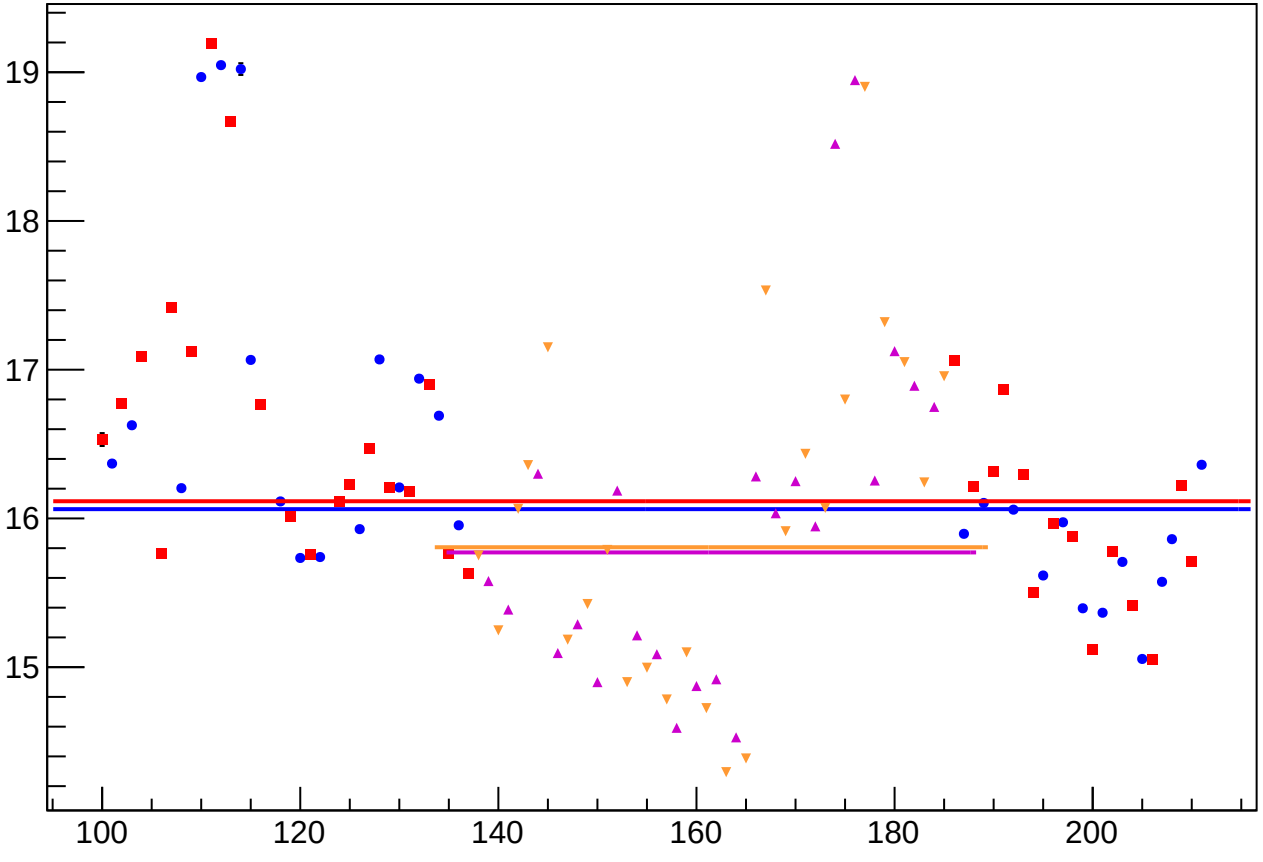
Right: 0.915+/-2.733 χ^2/NDF: 48.0/60

In: 0.377+/-2.697 χ^2/NDF:47.7/50

Out: -3.979+/-2.611 χ^2/NDF:47.6/57

All: -1.872+/-1.876 χ^2/NDF: 96.7/108

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.062+/-0.003 χ^2/NDF: 78000.3/27

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.116+/-0.003 χ^2/NDF: 88204.9/32

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

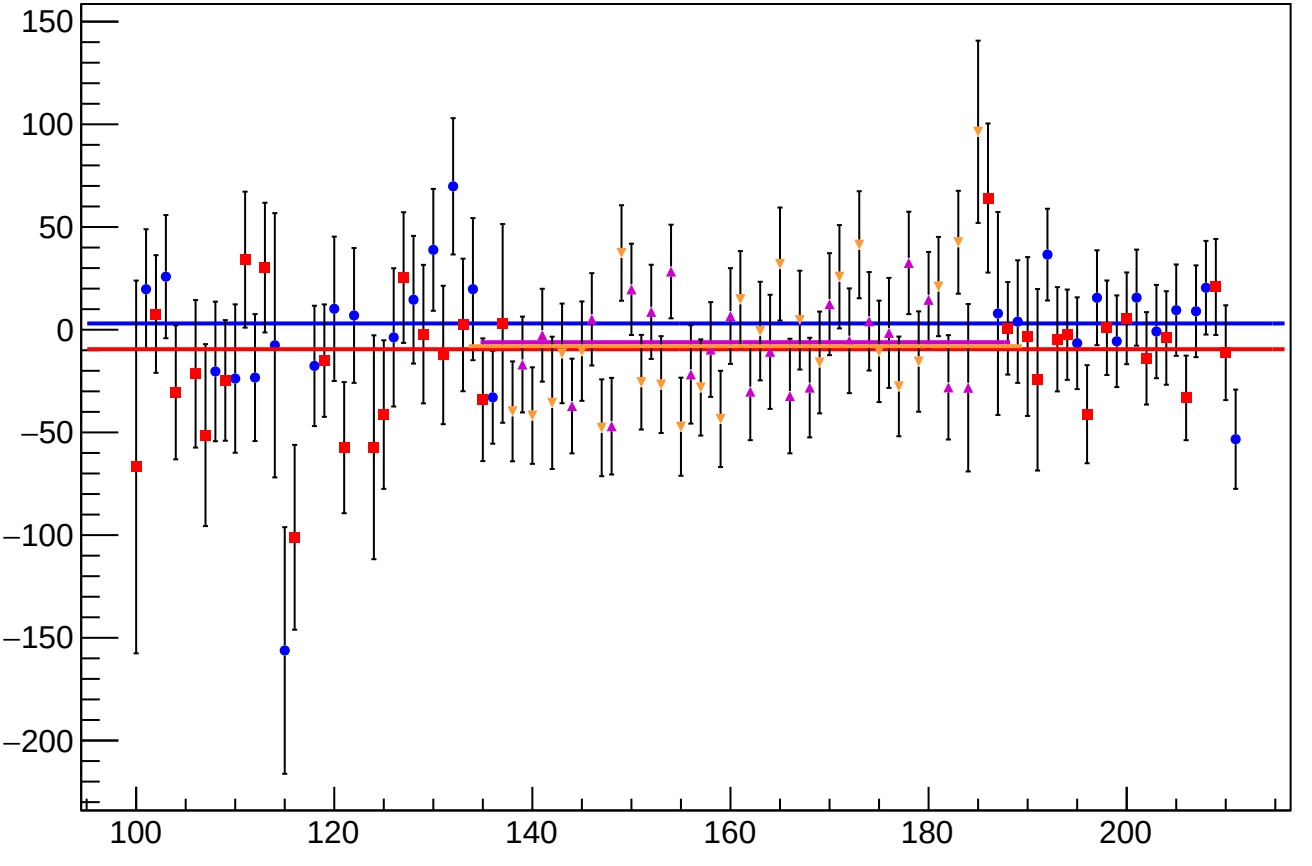
Right: 16.090+/-0.002 χ^2/NDF: 166394.1/60

In: 15.907+/-0.002 χ^2/NDF:235931.2/50

Out: 15.953+/-0.002 χ^2/NDF:267853.4/57

All: 15.931+/-0.001 χ^2/NDF: 504081.8/108

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.051+/-5.271 χ^2/NDF: 28.1/27

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.484+/-5.066 χ^2/NDF: 26.0/32

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

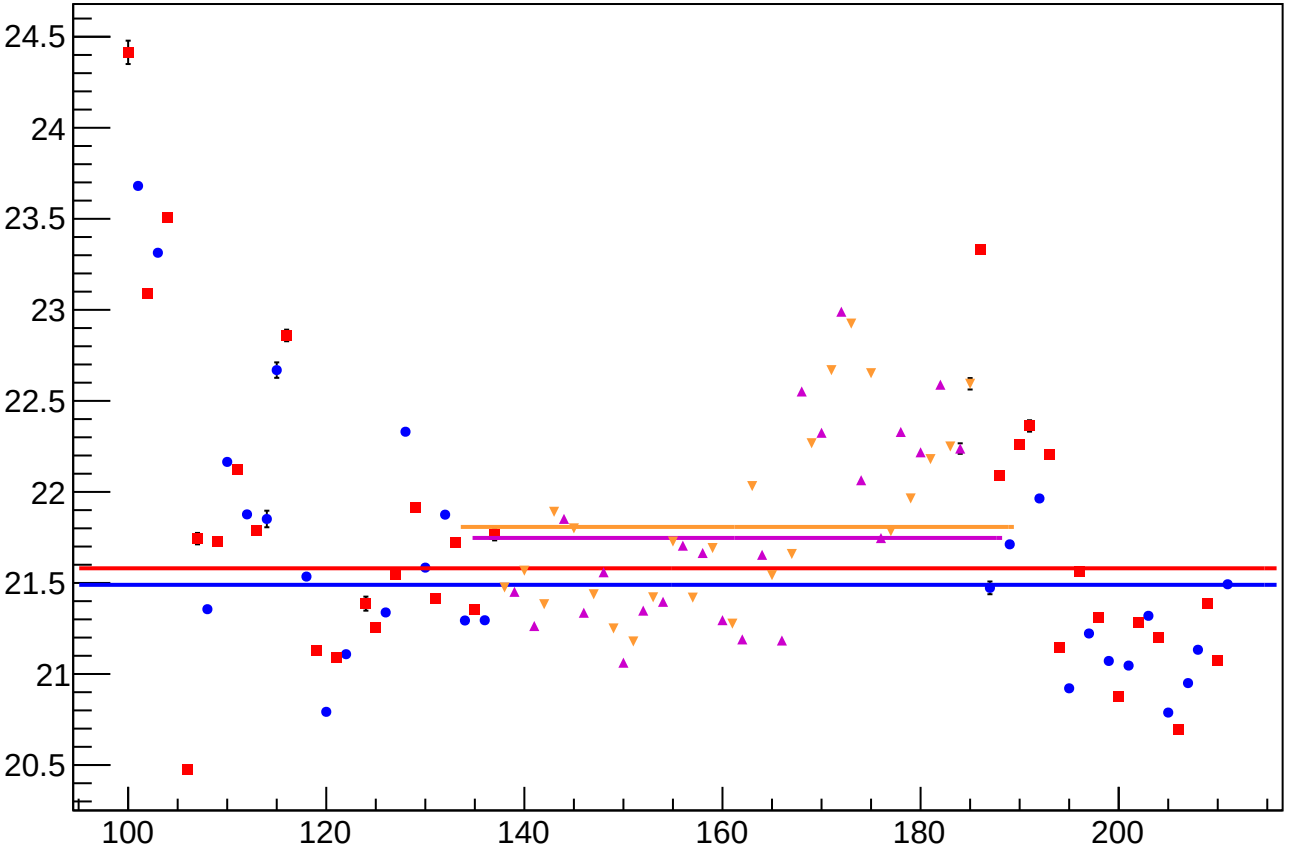
Right: -3.464+/-3.653 χ^2/NDF: 57.1/60

In: -1.686+/-3.658 χ^2/NDF:47.6/50

Out: -8.734+/-3.543 χ^2/NDF:64.9/57

All: -5.322+/-2.545 χ^2/NDF: 114.4/108

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/27

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.580+/-0.004 χ^2/NDF: 37233.1/32

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

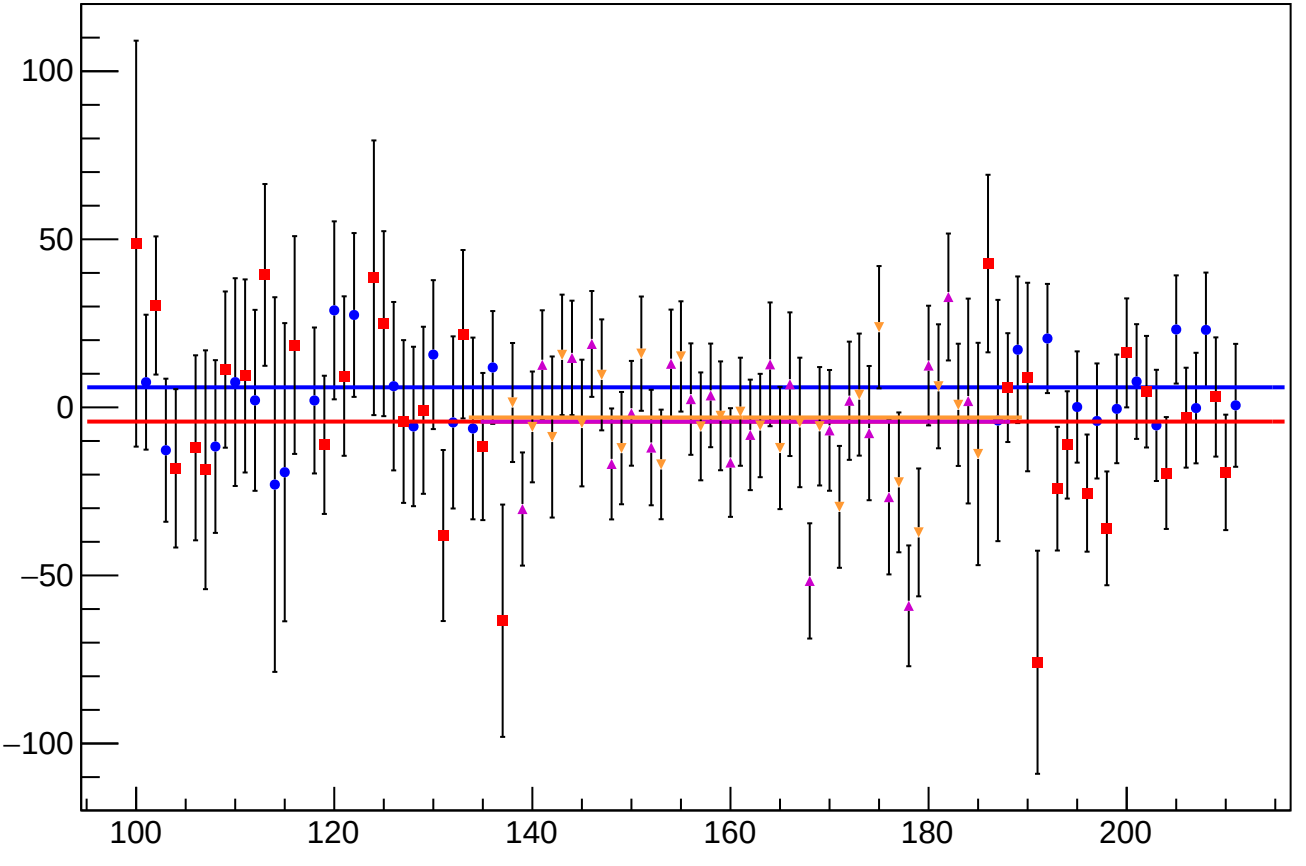
Right: 21.537+/-0.003 χ^2/NDF: 68908.3/60

In: 21.623+/-0.003 χ^2/NDF:54404.0/50

Out: 21.697+/-0.003 χ^2/NDF:56850.0/57

All: 21.661+/-0.002 χ^2/NDF: 111669.2/108

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.968+/-3.917 χ^2/NDF: 9.0/27

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -4.227+/-3.763 χ^2/NDF: 35.0/32

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

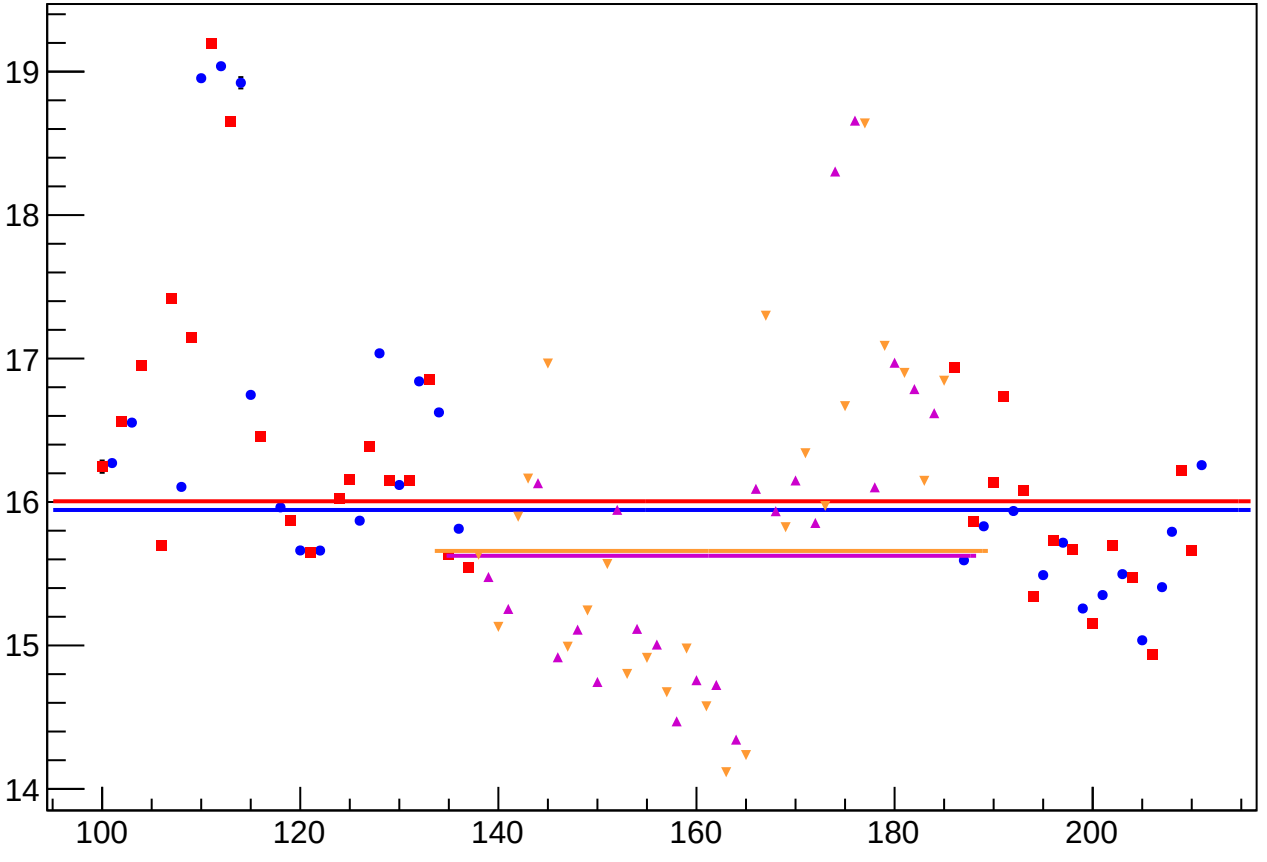
Right: 0.666+/-2.714 χ^2/NDF: 47.5/60

In: 0.515+/-2.674 χ^2/NDF:46.4/50

Out: -3.582+/-2.589 χ^2/NDF:49.7/57

All: -1.600+/-1.860 χ^2/NDF: 97.4/108

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.944+/-0.003 χ^2/NDF: 81558.7/27

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.005+/-0.003 χ^2/NDF: 89725.3/32

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

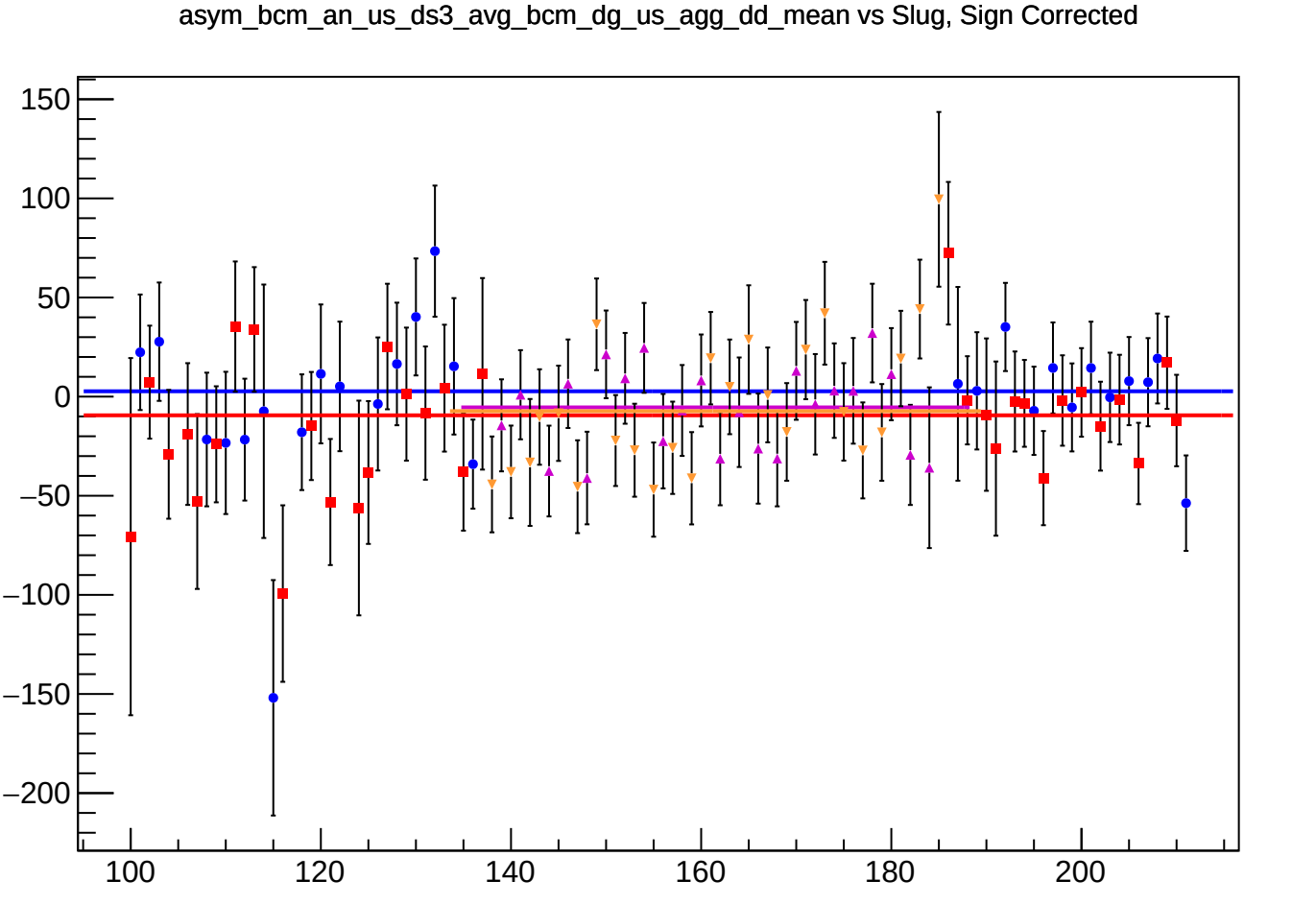
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.976+/-0.002 χ^2/NDF: 171533.5/60

In: 15.774+/-0.002 χ^2/NDF:239086.8/50

Out: 15.823+/-0.002 χ^2/NDF:268471.3/57

All: 15.799+/-0.001 χ^2/NDF: 507903.1/108



Right In: 2.700+/-5.247 χ^2/NDF: 28.6/27

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.429+/-5.041 χ^2/NDF: 26.8/32

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

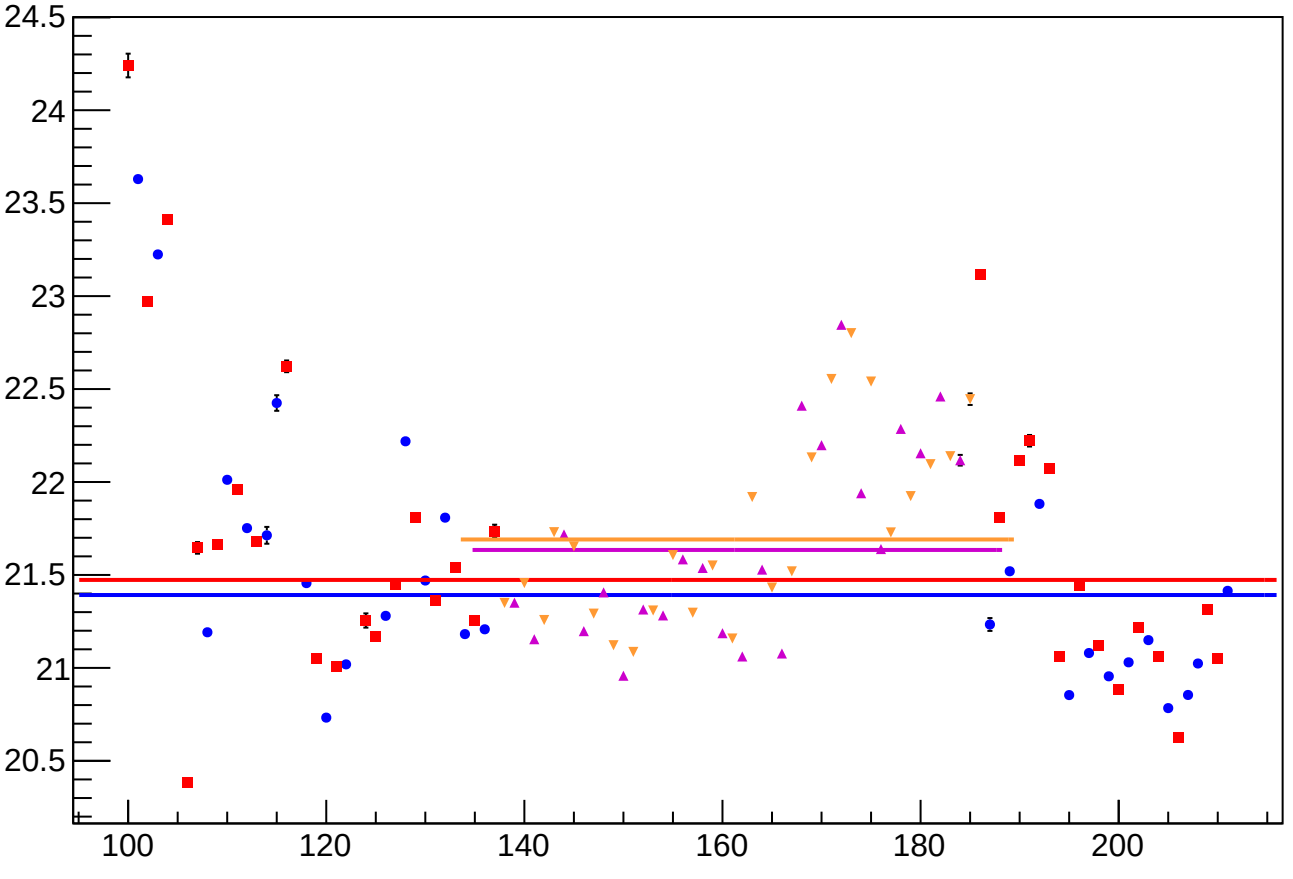
Right: -3.608+/-3.635 χ^2/NDF: 58.2/60

In: -1.520+/-3.640 χ^2/NDF:47.1/50

Out: -8.350+/-3.524 χ^2/NDF:65.6/57

All: -5.045+/-2.532 χ^2/NDF: 114.4/108

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.392+/-0.004 χ^2/NDF: 31139.6/27

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.473+/-0.004 χ^2/NDF: 34414.0/32

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

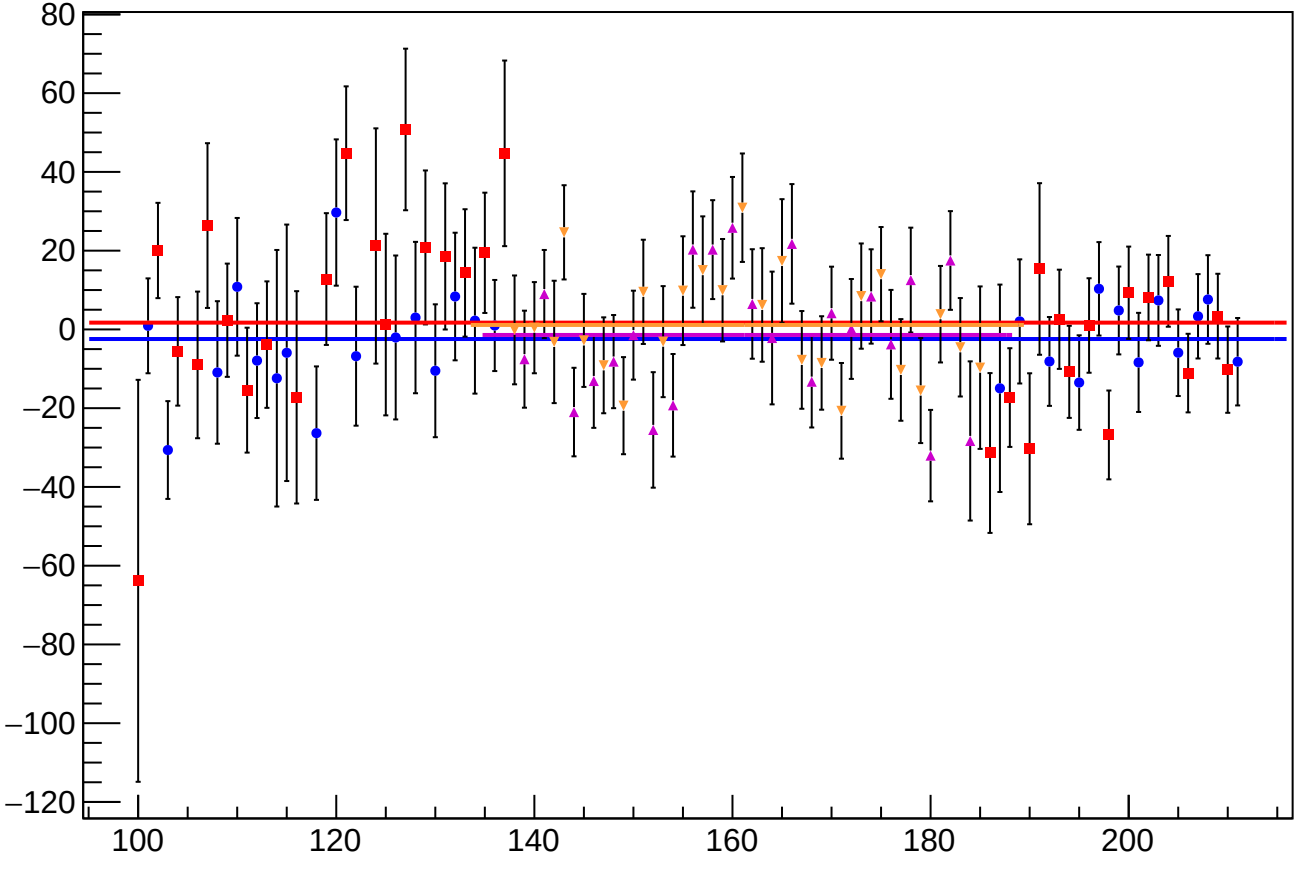
Right: 21.434+/-0.003 χ^2/NDF: 65802.7/60

In: 21.518+/-0.003 χ^2/NDF:53916.2/50

Out: 21.585+/-0.002 χ^2/NDF:54253.9/57

All: 21.552+/-0.002 χ^2/NDF: 108516.4/108

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.436+/-2.665 χ^2/NDF: 17.6/27

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 1.723+/-2.566 χ^2/NDF: 47.9/32

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

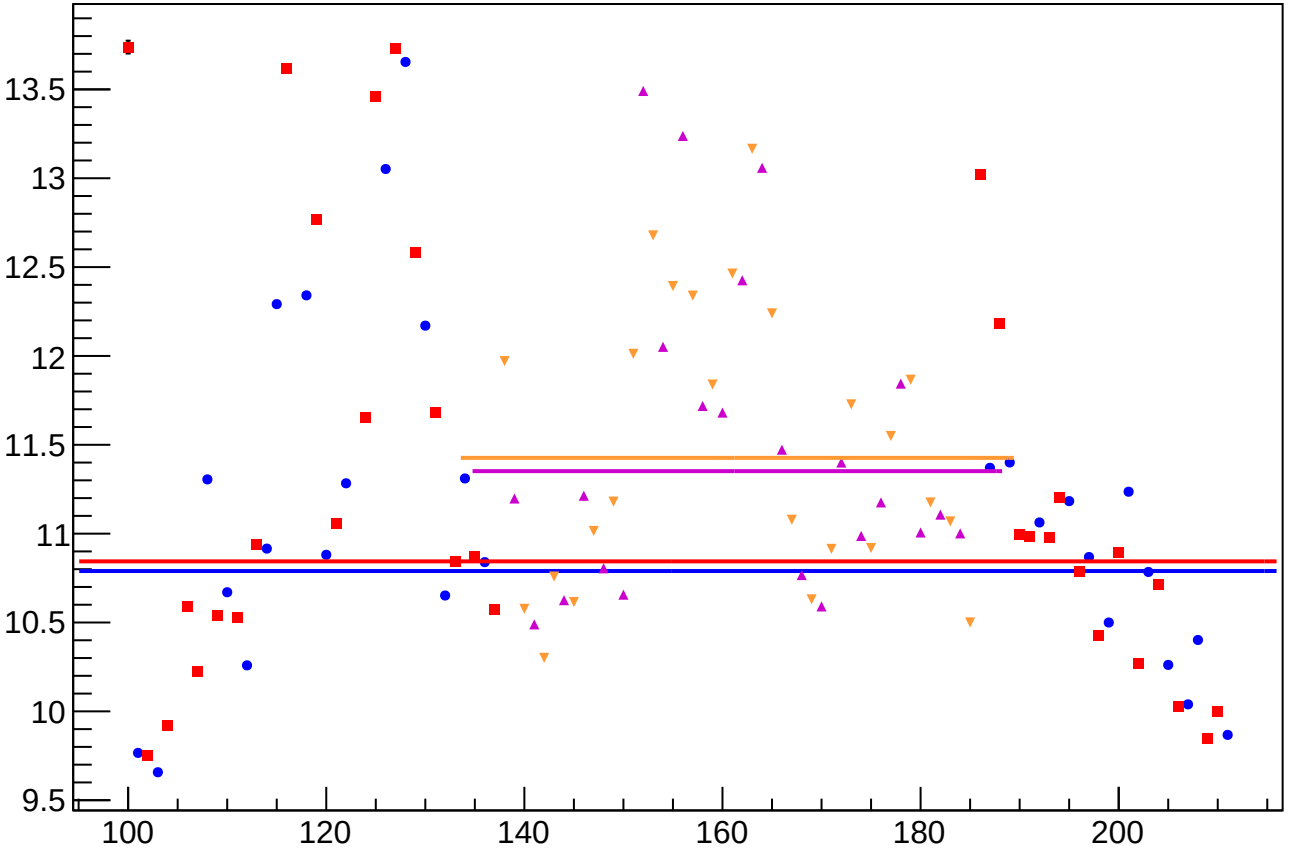
Right: -0.279+/-1.848 χ^2/NDF: 66.8/60

In: -1.923+/-1.887 χ^2/NDF:54.0/50

Out: 1.436+/-1.833 χ^2/NDF:72.5/57

All: -0.195+/-1.315 χ^2/NDF: 128.1/108

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.790+/-0.002 χ^2/NDF: 183148.4/27

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.844+/-0.002 χ^2/NDF: 269954.5/32

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

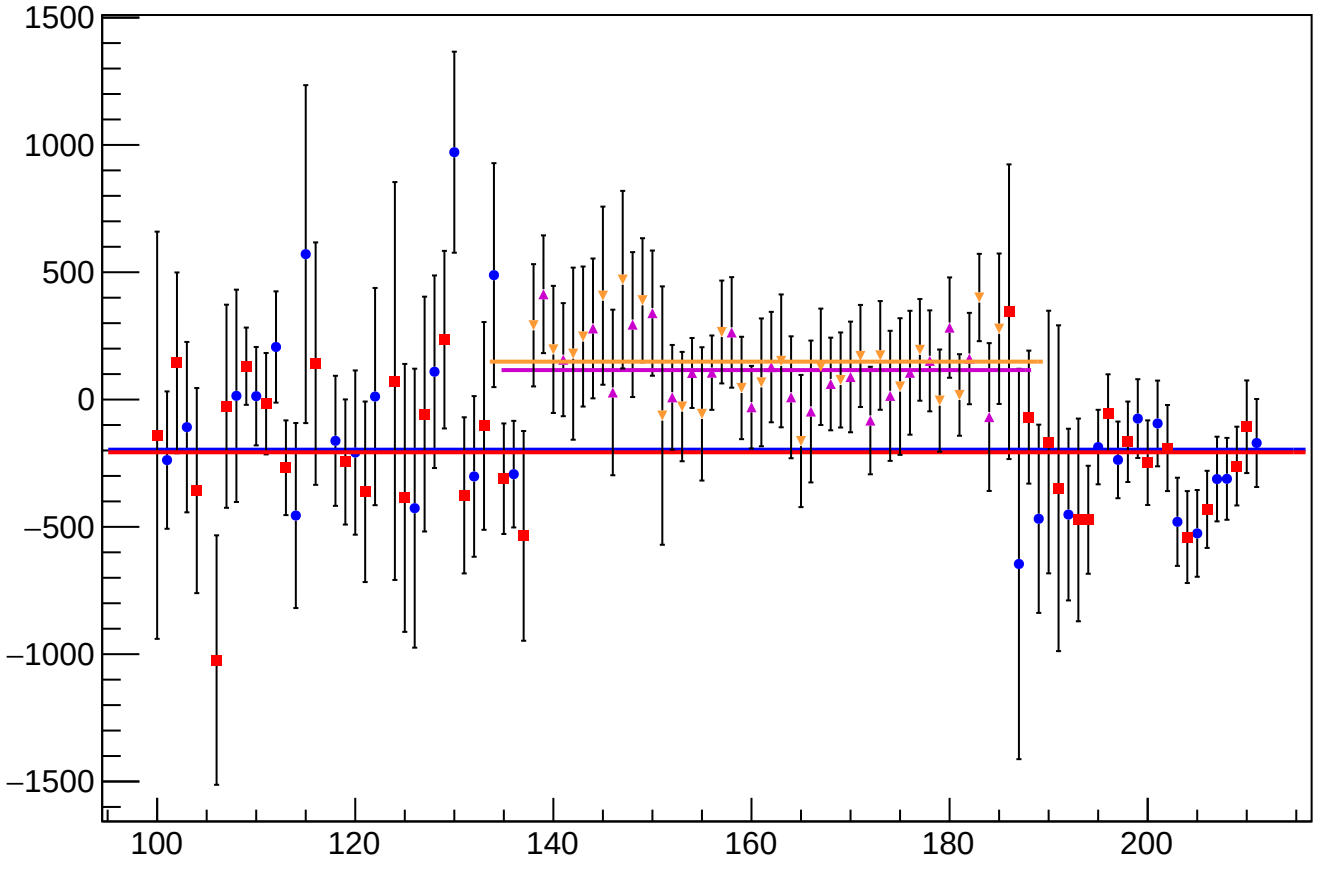
Right: 10.818+/-0.001 χ^2/NDF: 453534.2/60

In: 11.070+/-0.001 χ^2/NDF:398044.5/50

Out: 11.129+/-0.001 χ^2/NDF:477382.5/57

All: 11.100+/-0.001 χ^2/NDF: 876448.5/108

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -196.876+/-43.310 χ^2/NDF: 29.3/27

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -207.040+/-41.971 χ^2/NDF: 24.5/32

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

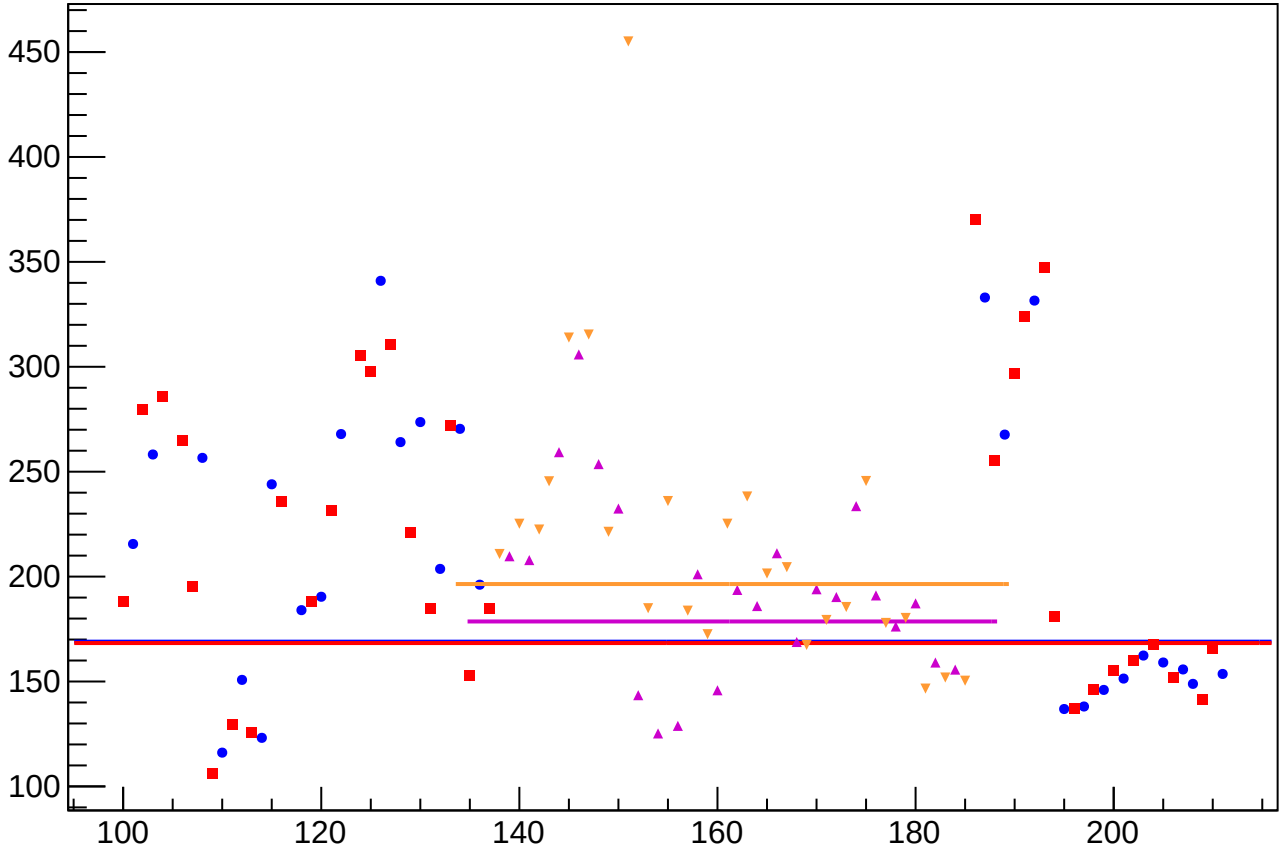
Right: -202.118+/-30.140 χ^2/NDF: 53.8/60

In: -41.773+/-30.741 χ^2/NDF:63.0/50

Out: -46.505+/-31.098 χ^2/NDF:67.4/57

All: -44.112+/-21.862 χ^2/NDF: 130.4/108

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 168.988+/-0.031 χ^2/NDF: 2278003.3/27

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.326+/-0.030 χ^2/NDF: 2999203.3/32

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

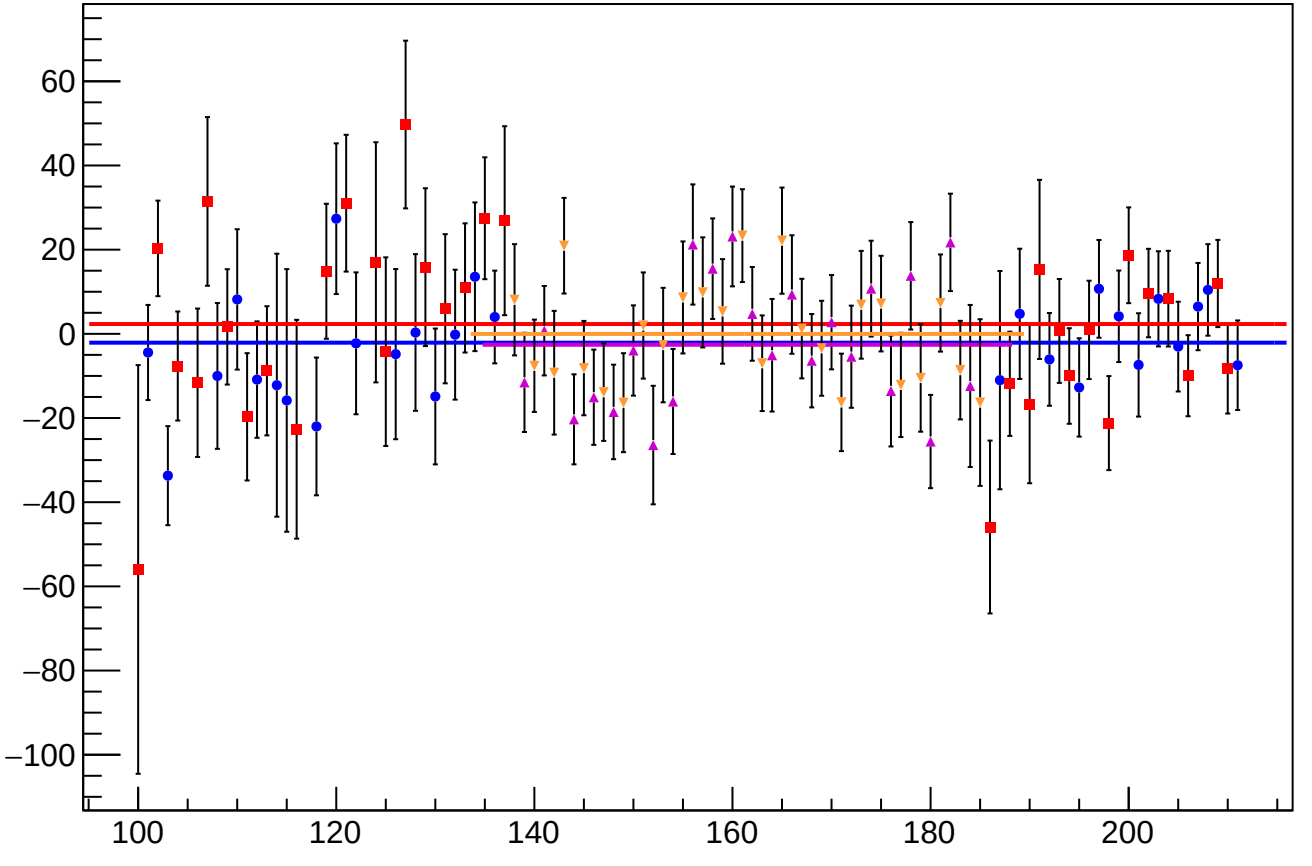
Right: 168.646+/-0.021 χ^2/NDF: 5277447.4/60

In: 173.764+/-0.022 χ^2/NDF:4005888.7/50

Out: 181.012+/-0.022 χ^2/NDF:5223088.5/57

All: 177.346+/-0.015 χ^2/NDF: 9283924.3/108

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.099+/-2.570 χ^2/NDF: 20.6/27

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.327+/-2.478 χ^2/NDF: 45.9/32

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

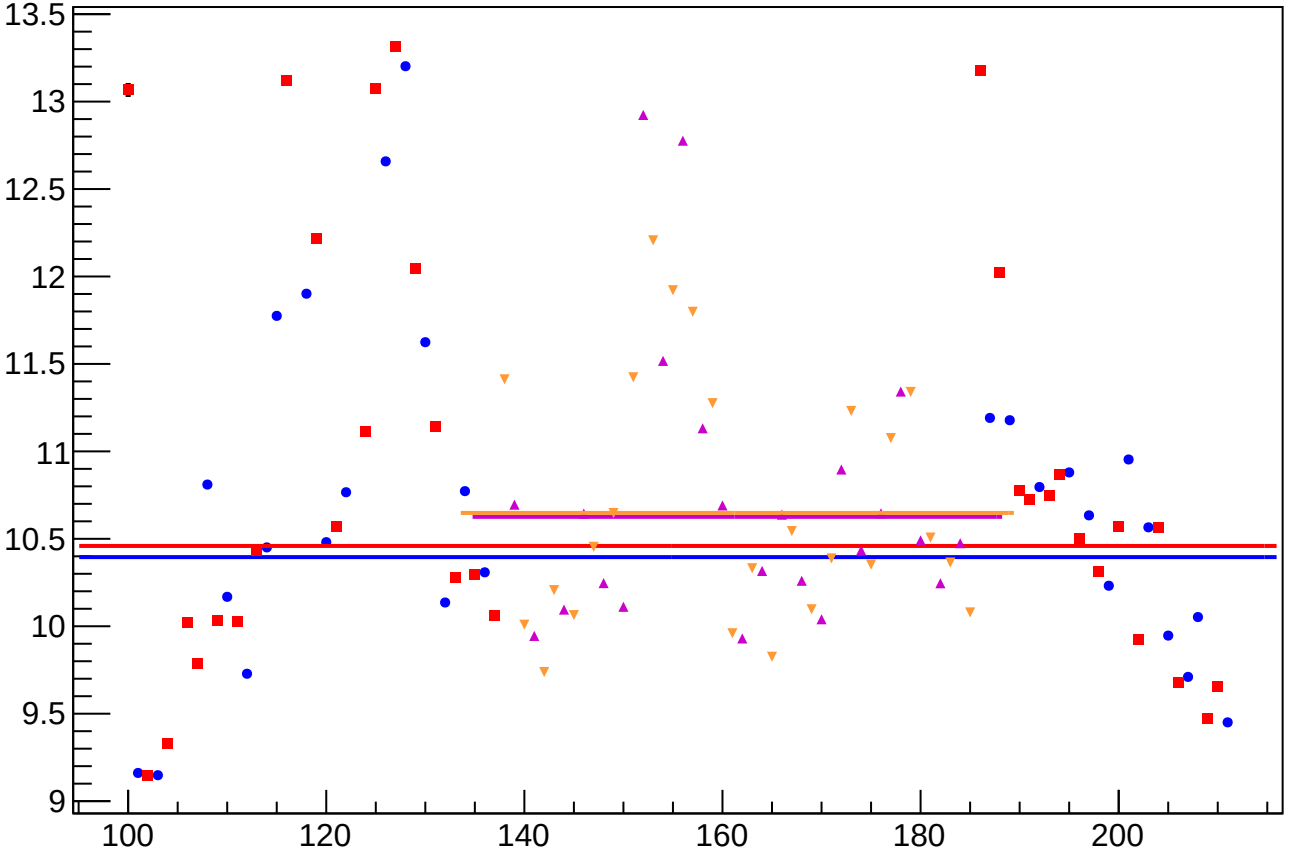
Right: 0.195+/-1.784 χ^2/NDF: 68.1/60

In: -2.351+/-1.794 χ^2/NDF:55.4/50

Out: 1.139+/-1.740 χ^2/NDF:70.1/57

All: -0.553+/-1.249 χ^2/NDF: 127.5/108

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.395+/-0.002 χ^2/NDF: 207115.6/27

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.459+/-0.002 χ^2/NDF: 308026.8/32

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

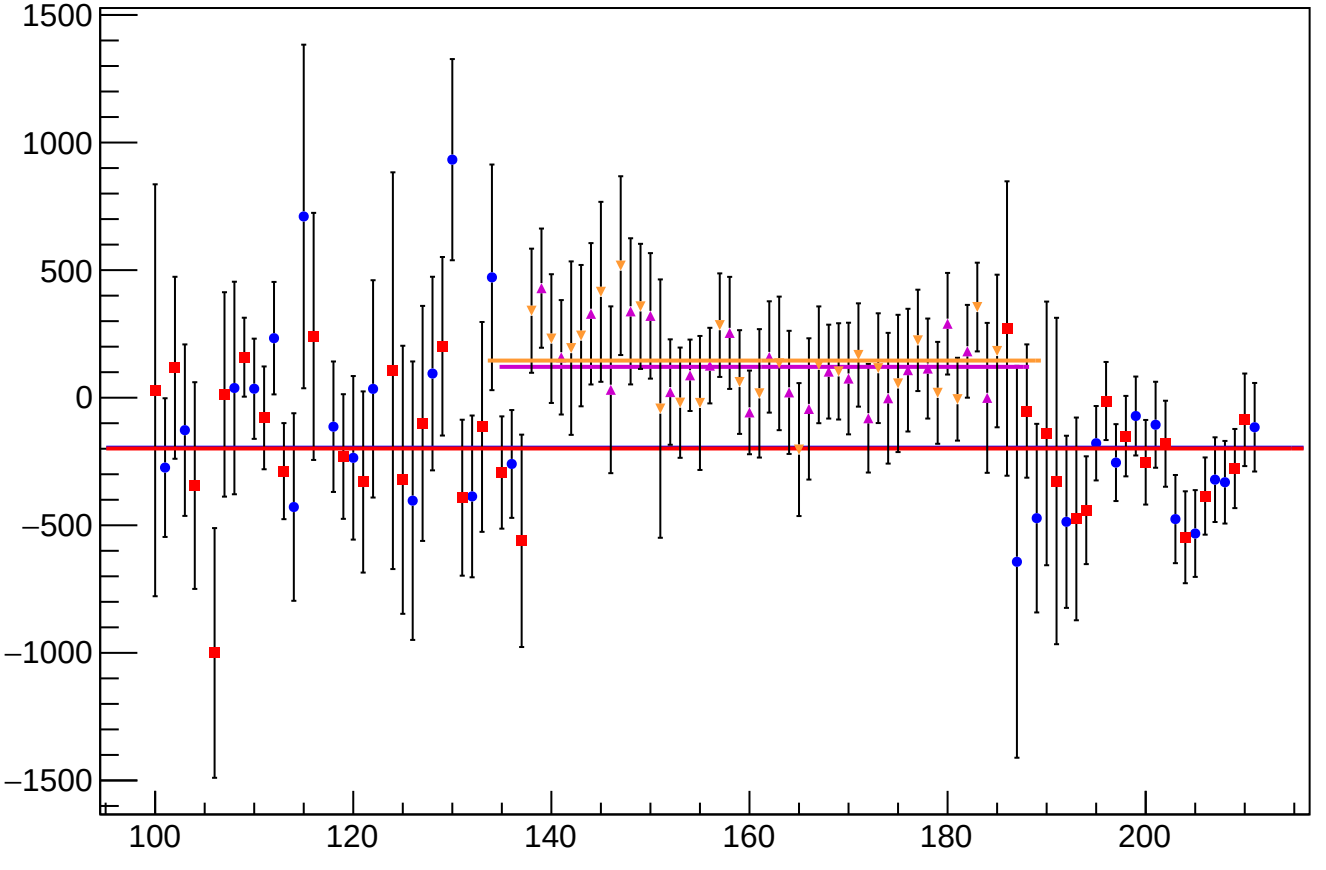
Right: 10.428+/-0.001 χ^2/NDF: 515782.9/60

In: 10.513+/-0.001 χ^2/NDF:374891.4/50

Out: 10.555+/-0.001 χ^2/NDF:457458.4/57

All: 10.535+/-0.001 χ^2/NDF: 832904.1/108

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -195.813+/-43.409 χ^2/NDF: 30.7/27

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -199.010+/-42.097 χ^2/NDF: 24.2/32

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

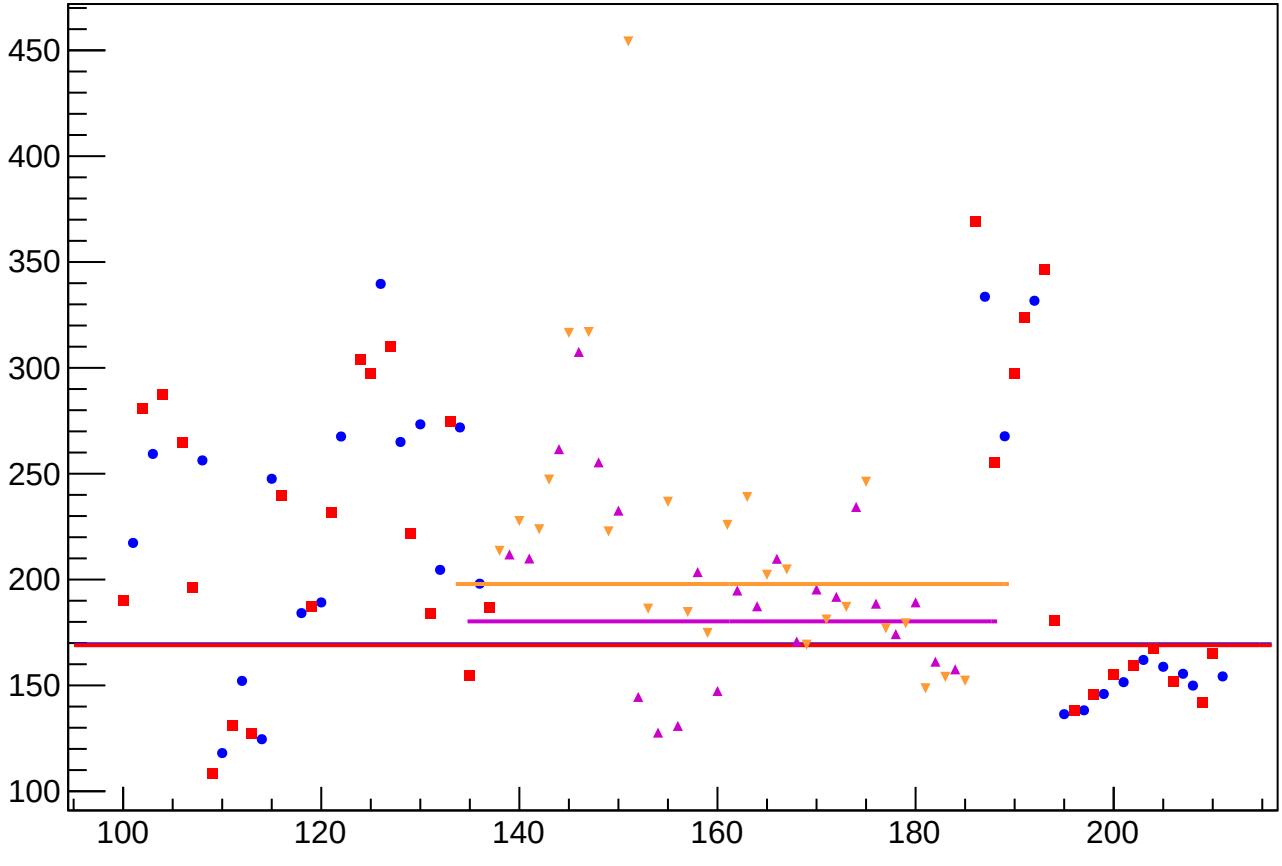
Right: -197.460+/-30.220 χ^2/NDF: 54.9/60

In: -39.584+/-30.900 χ^2/NDF:65.1/50

Out: -44.228+/-31.242 χ^2/NDF:64.6/57

All: -41.880+/-21.969 χ^2/NDF: 129.7/108

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.408+/-0.031 χ^2/NDF: 2270341.2/27

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 168.987+/-0.030 χ^2/NDF: 2948035.7/32

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

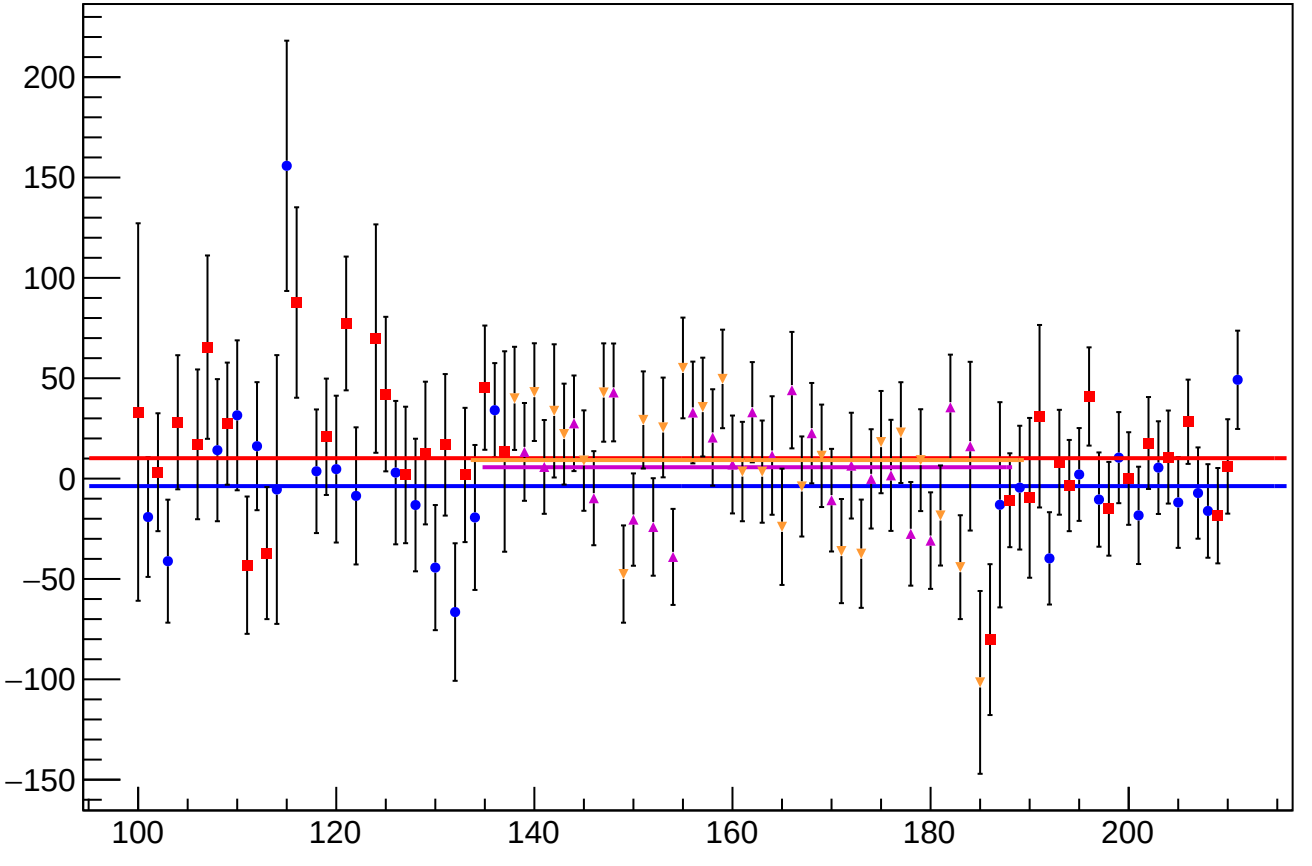
Right: 169.192+/-0.021 χ^2/NDF: 5218473.9/60

In: 174.756+/-0.022 χ^2/NDF:3959635.6/50

Out: 181.971+/-0.022 χ^2/NDF:5160399.2/57

All: 178.324+/-0.016 χ^2/NDF: 9173966.1/108

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.740+/-5.430 χ^2/NDF: 26.6/27

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.174+/-5.227 χ^2/NDF: 29.5/32

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

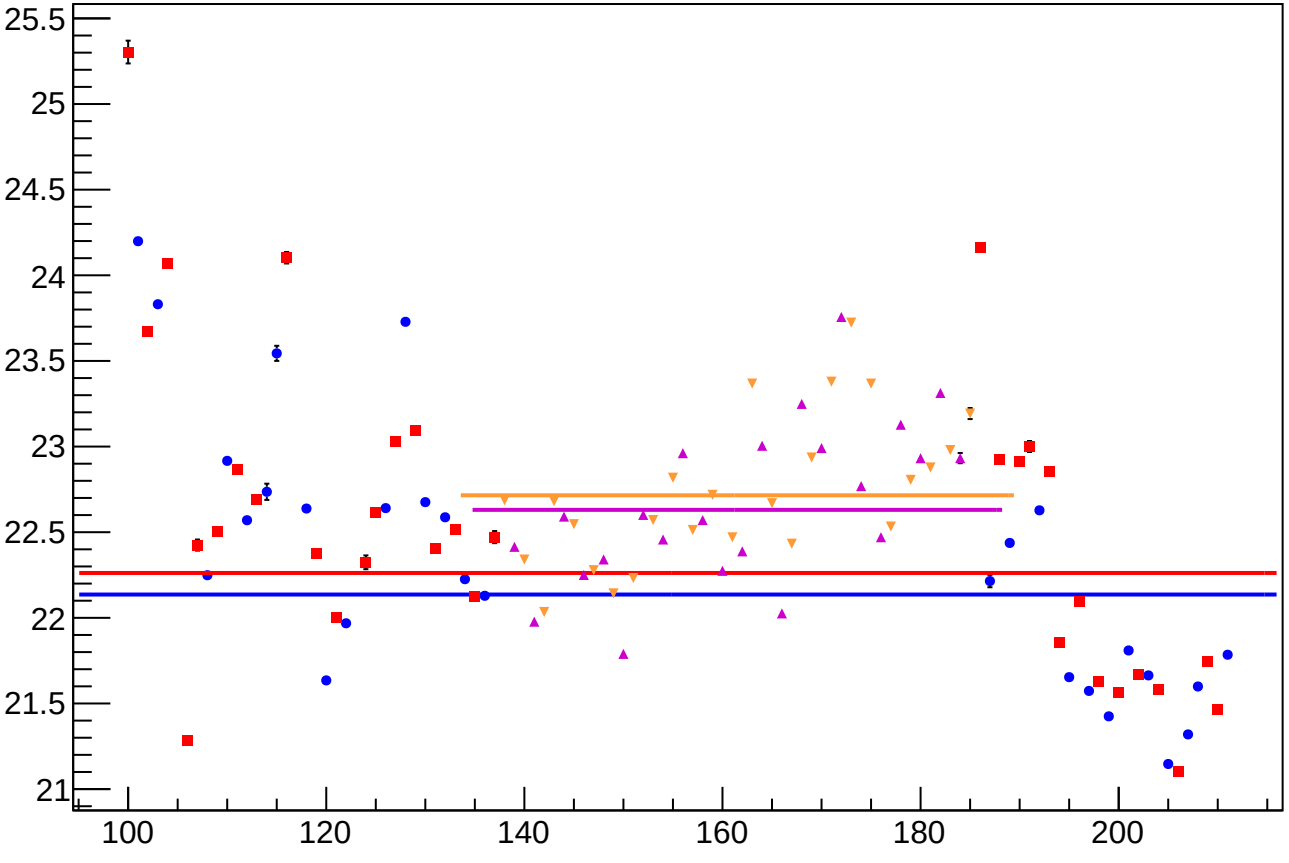
Right: 3.482+/-3.766 χ^2/NDF: 59.5/60

In: 1.090+/-3.788 χ^2/NDF:48.9/50

Out: 9.698+/-3.673 χ^2/NDF:69.0/57

All: 5.527+/-2.637 χ^2/NDF: 120.6/108

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.136+/-0.004 χ^2/NDF: 39250.4/27

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.262+/-0.004 χ^2/NDF: 45937.8/32

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

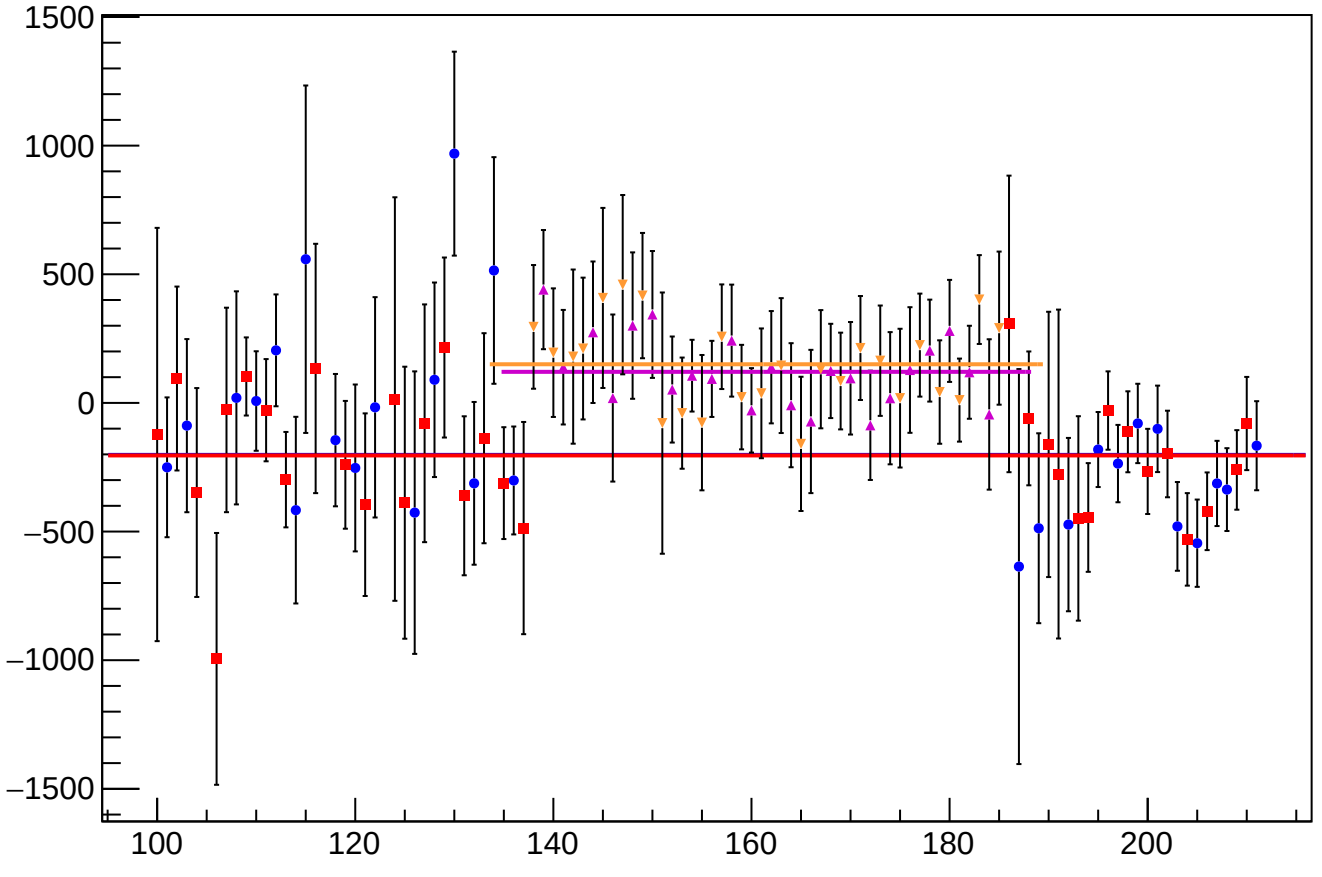
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.201+/-0.003 χ^2/NDF: 85746.6/60

In: 22.390+/-0.003 χ^2/NDF:63154.9/50

Out: 22.492+/-0.003 χ^2/NDF:65736.7/57

All: 22.442+/-0.002 χ^2/NDF: 129633.5/108



Right In: -202.014+/-43.276 χ^2/NDF: 30.0/27

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -204.176+/-41.922 χ^2/NDF: 22.8/32

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

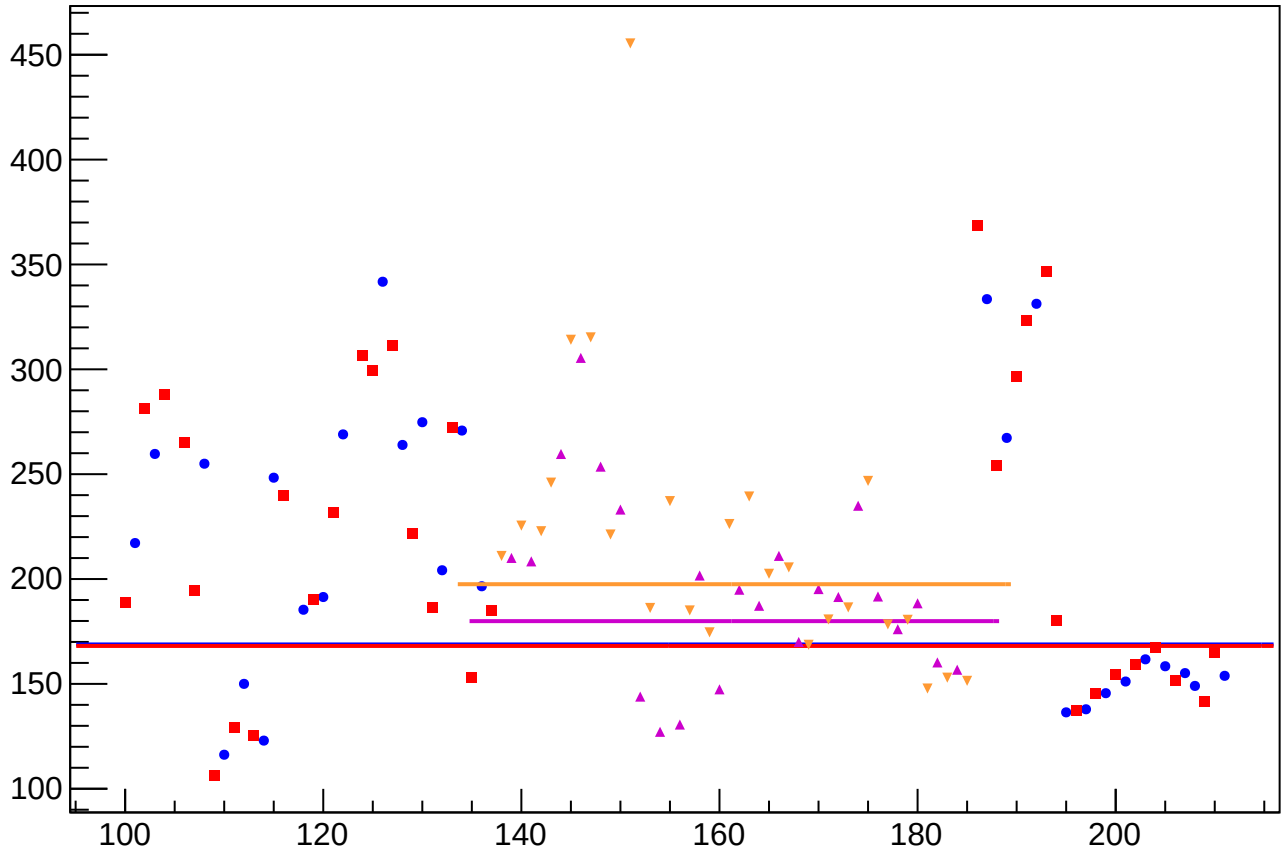
Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

Right: -203.130+/-30.111 χ^2/NDF: 52.8/60

In: -43.009+/-30.826 χ^2/NDF:65.3/50

Out: -45.410+/-31.147 χ^2/NDF:65.8/57

All: -44.197+/-21.910 χ^2/NDF: 131.1/108



Right In: 168.802+/-0.031 χ^2/NDF: 2300933.1/27

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 168.096+/-0.030 χ^2/NDF: 3019050.7/32

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

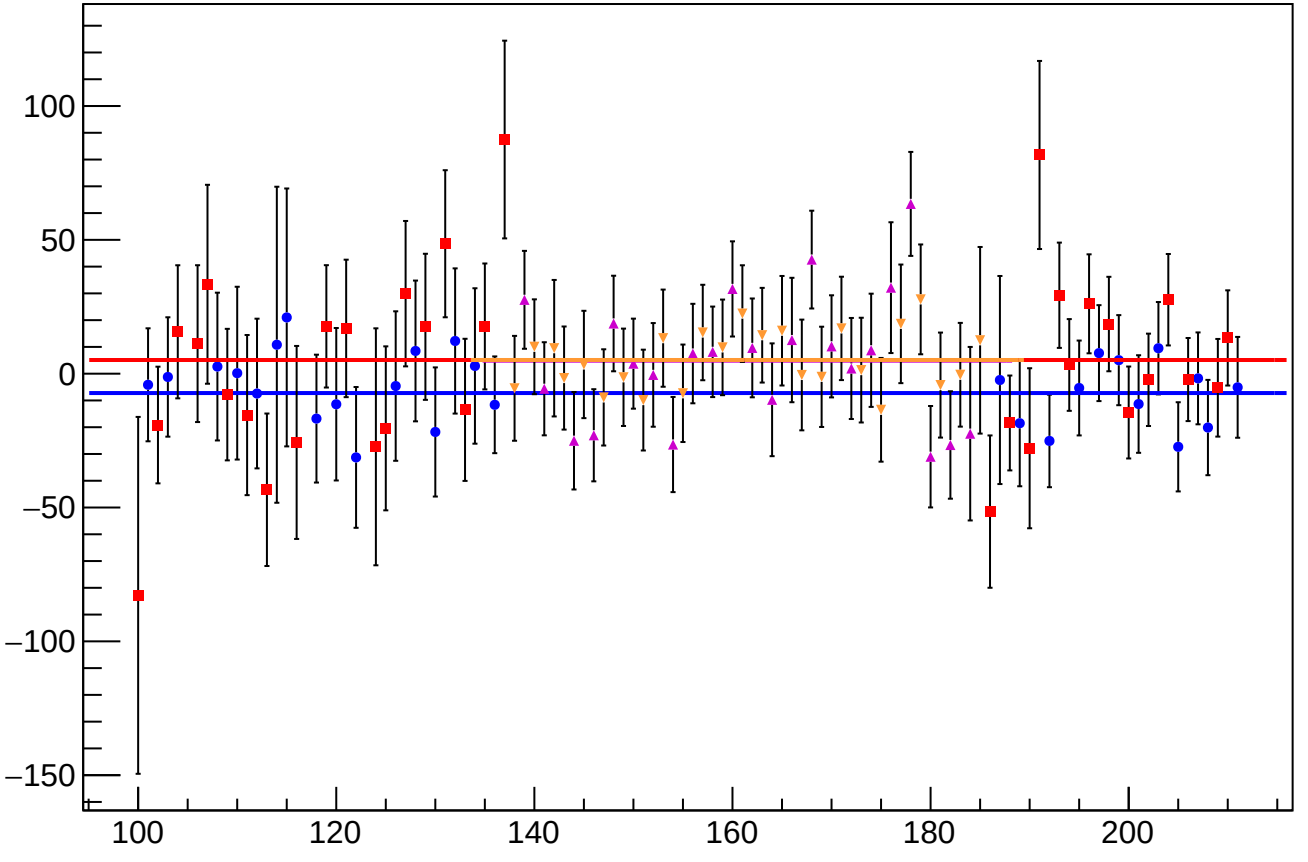
Right: 168.438+/-0.021 χ^2/NDF: 5320258.8/60

In: 174.281+/-0.022 χ^2/NDF:3990142.9/50

Out: 181.284+/-0.022 χ^2/NDF:5250764.5/57

All: 177.746+/-0.015 χ^2/NDF: 9291984.7/108

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -7.234+/-4.153 χ^2/NDF: 8.8/27

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.110+/-3.998 χ^2/NDF: 38.3/32

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

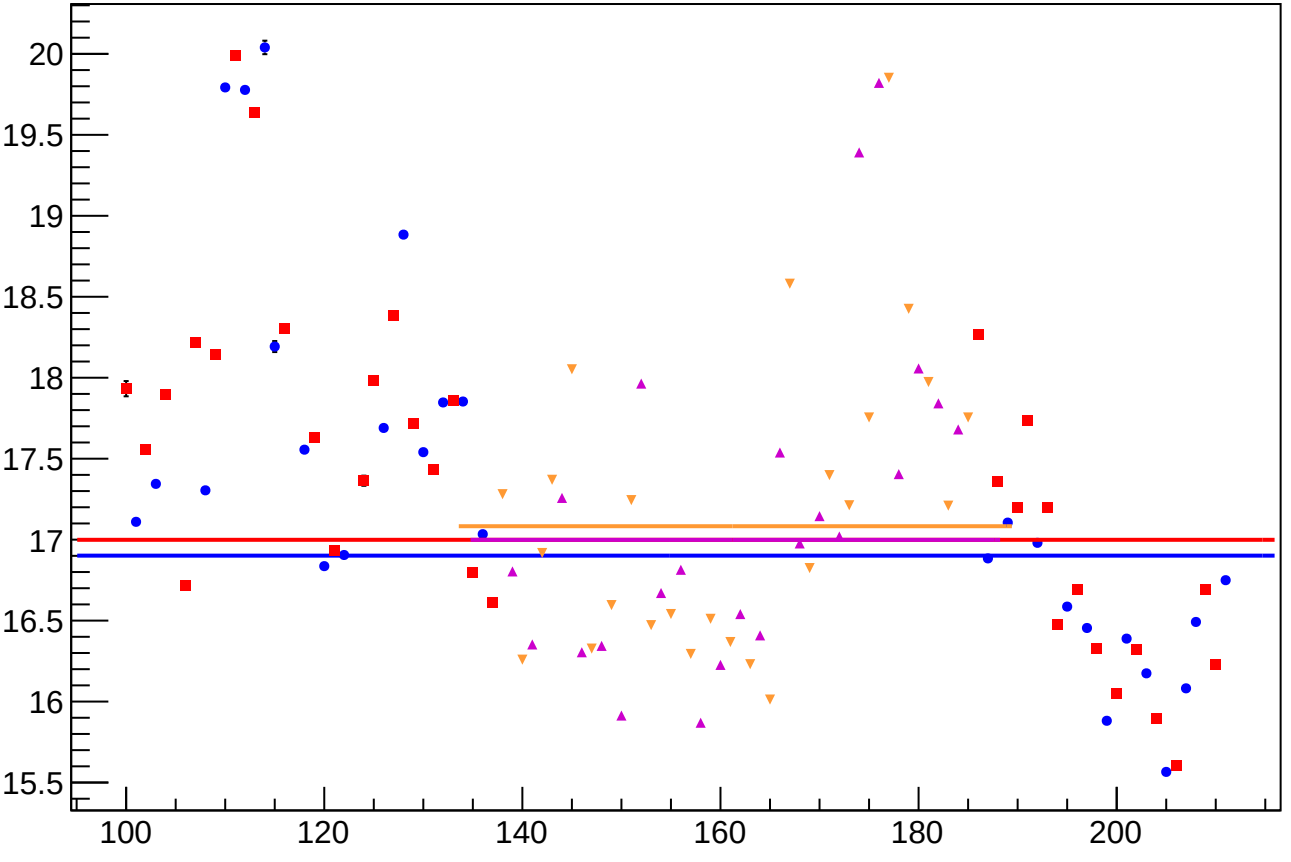
Right: -0.827+/-2.880 χ^2/NDF: 51.6/60

In: -0.931+/-2.874 χ^2/NDF:48.7/50

Out: 5.115+/-2.788 χ^2/NDF:46.2/57

All: 2.183+/-2.001 χ^2/NDF: 97.2/108

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.901+/-0.003 χ^2/NDF: 99425.7/27

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.999+/-0.003 χ^2/NDF: 113362.4/32

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

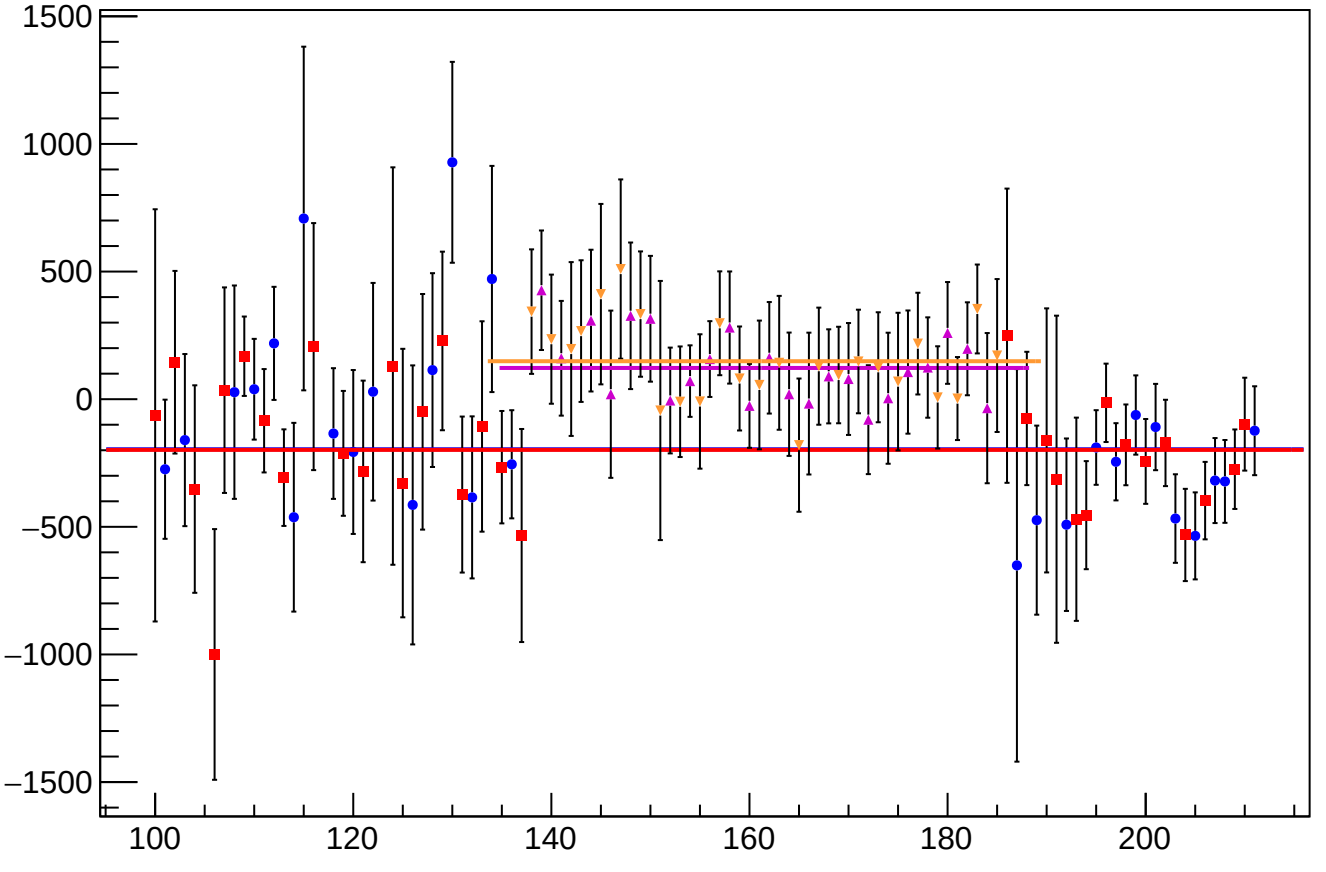
Right: 16.952+/-0.002 χ^2/NDF: 213363.2/60

In: 16.952+/-0.002 χ^2/NDF:204021.2/50

Out: 17.042+/-0.002 χ^2/NDF:210589.9/57

All: 16.998+/-0.001 χ^2/NDF: 415622.7/108

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -196.243+/-43.542 χ^2/NDF: 30.2/27

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -198.536+/-42.224 χ^2/NDF: 24.0/32

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

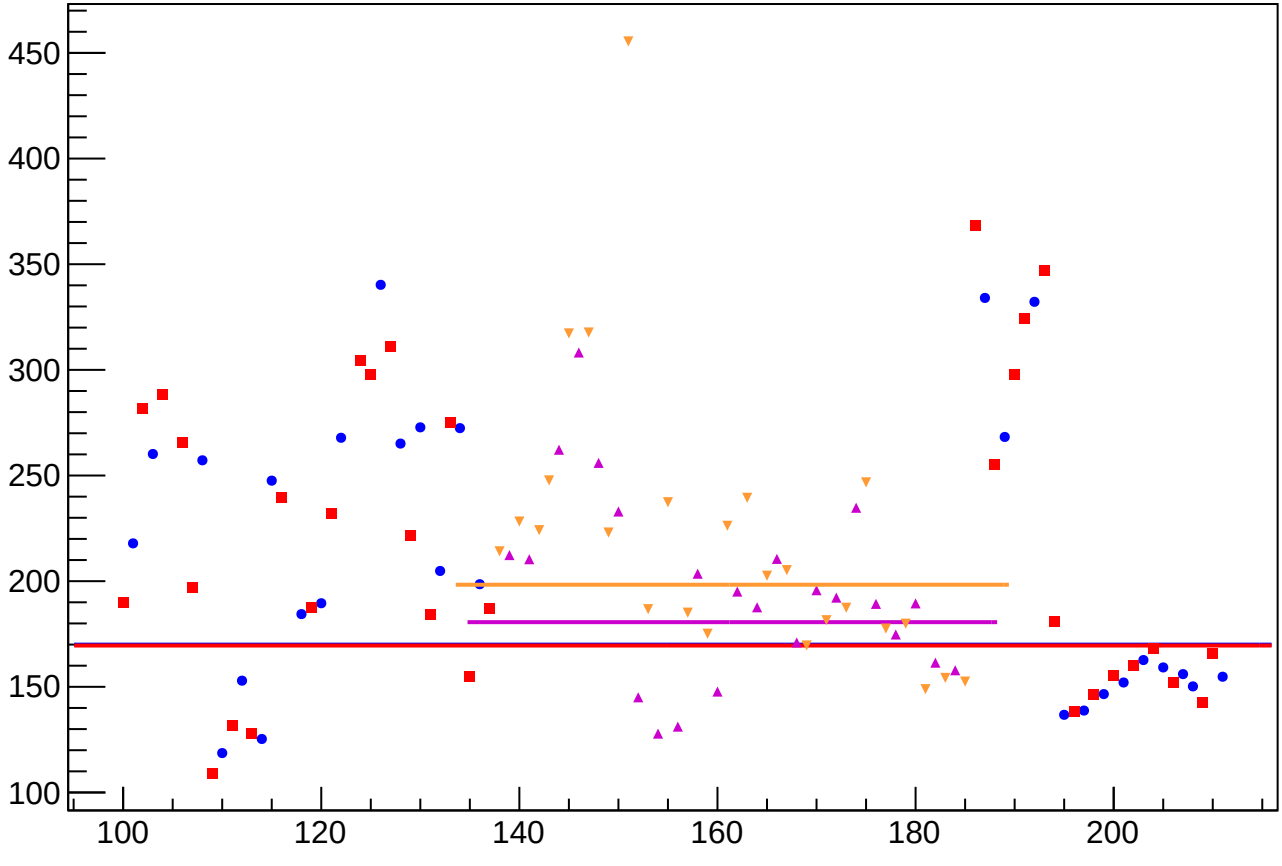
Right: -197.425+/-30.312 χ^2/NDF: 54.2/60

In: -38.894+/-30.978 χ^2/NDF:64.5/50

Out: -42.377+/-31.324 χ^2/NDF:64.0/57

All: -40.616+/-22.026 χ^2/NDF: 128.5/108

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.961+/-0.031 χ^2/NDF: 2257969.3/27

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 169.542+/-0.030 χ^2/NDF: 2930248.1/32

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

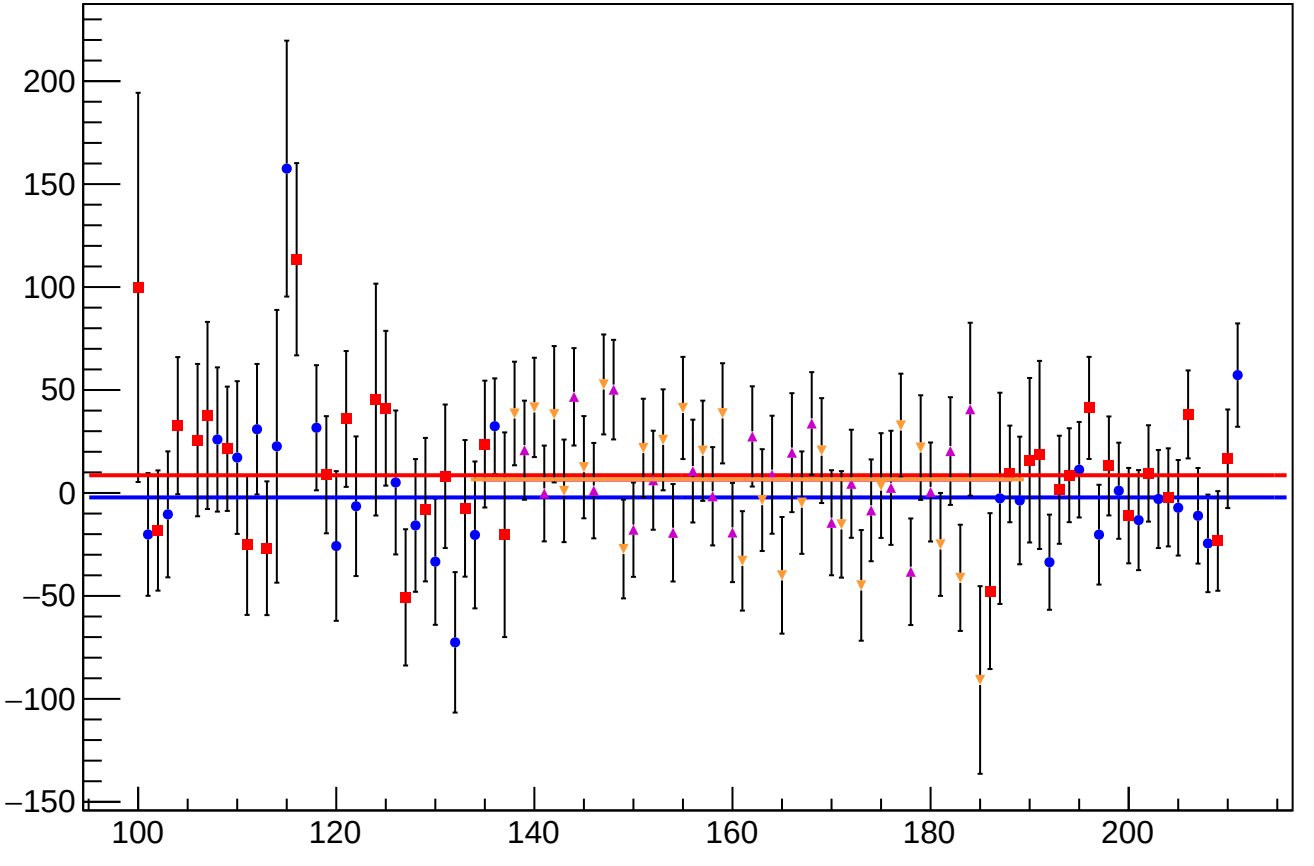
Right: 169.745+/-0.021 χ^2/NDF: 5188313.1/60

In: 175.216+/-0.022 χ^2/NDF:3945020.0/50

Out: 182.479+/-0.022 χ^2/NDF:5138068.8/57

All: 178.807+/-0.016 χ^2/NDF: 9137446.4/108

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.162+/-5.463 χ^2/NDF: 28.5/27

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.604+/-5.247 χ^2/NDF: 25.3/32

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

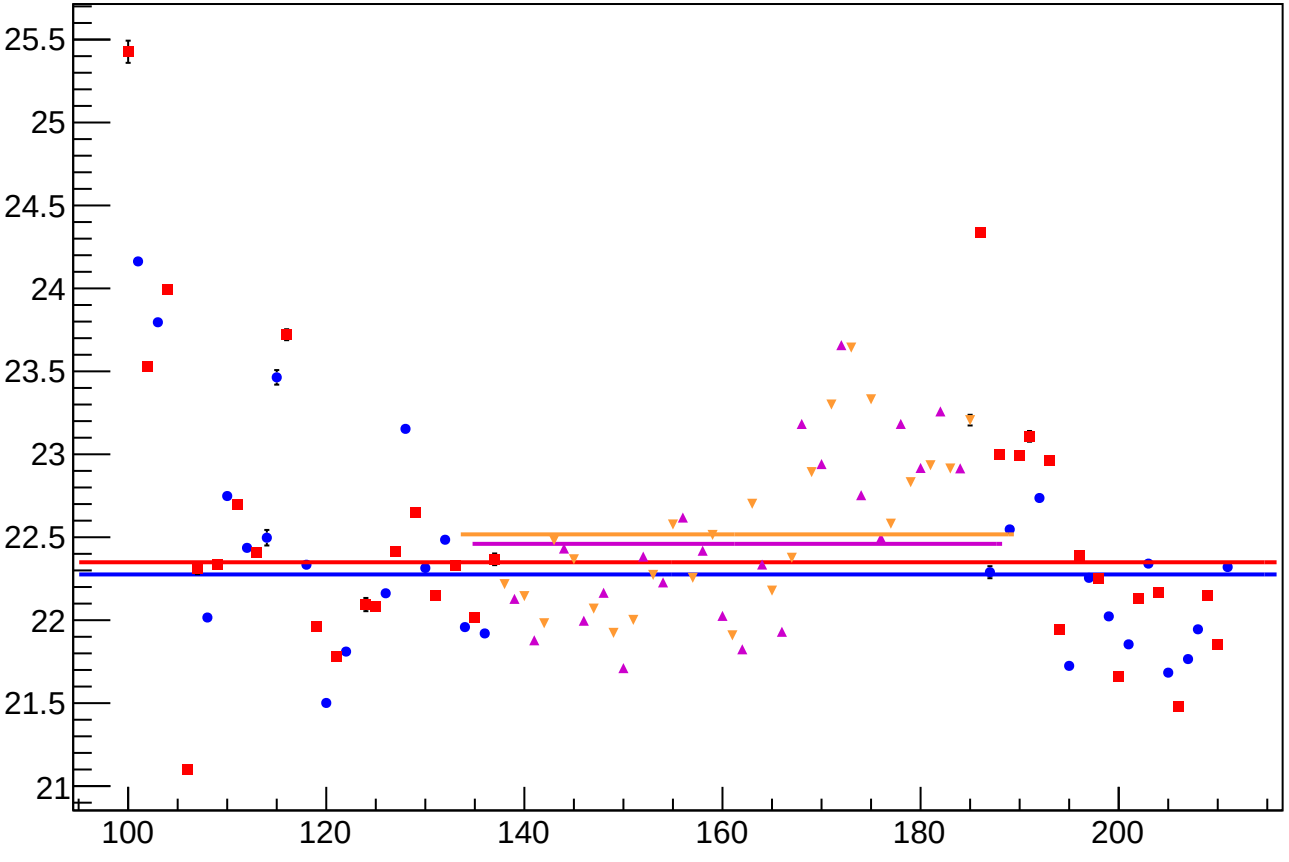
Right: 3.439+/-3.784 χ^2/NDF: 55.8/60

In: 2.335+/-3.784 χ^2/NDF:47.3/50

Out: 7.583+/-3.663 χ^2/NDF:62.2/57

All: 5.044+/-2.632 χ^2/NDF: 110.5/108

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.276+/-0.004 χ^2/NDF: 23293.9/27

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.349+/-0.004 χ^2/NDF: 32301.8/32

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

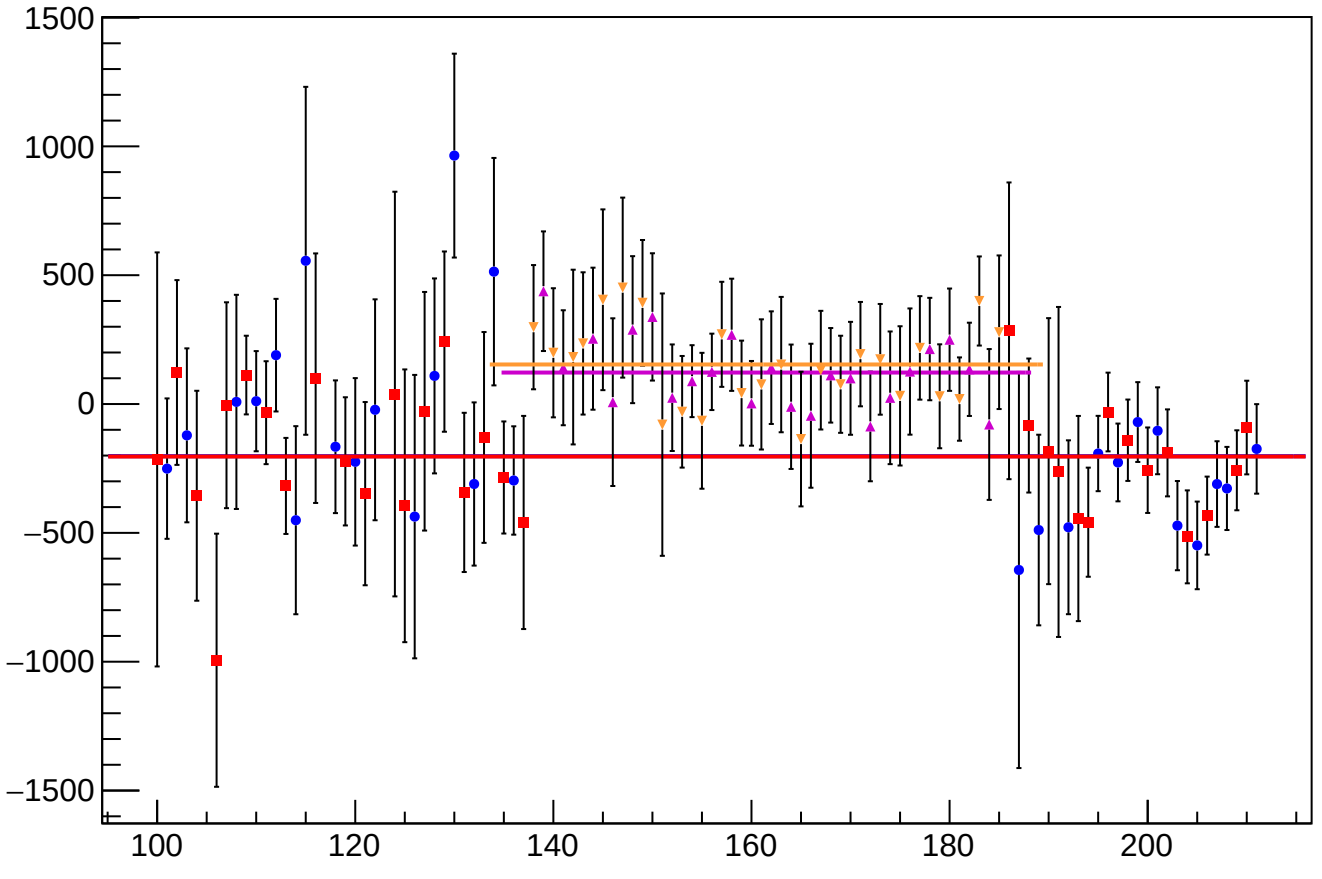
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.314+/-0.003 χ^2/NDF: 55783.6/60

In: 22.372+/-0.003 χ^2/NDF:43596.7/50

Out: 22.435+/-0.003 χ^2/NDF:49357.5/57

All: 22.405+/-0.002 χ^2/NDF: 93246.4/108



Right In: -202.462+/-43.411 χ^2/NDF: 29.5/27

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -203.721+/-42.050 χ^2/NDF: 22.6/32

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

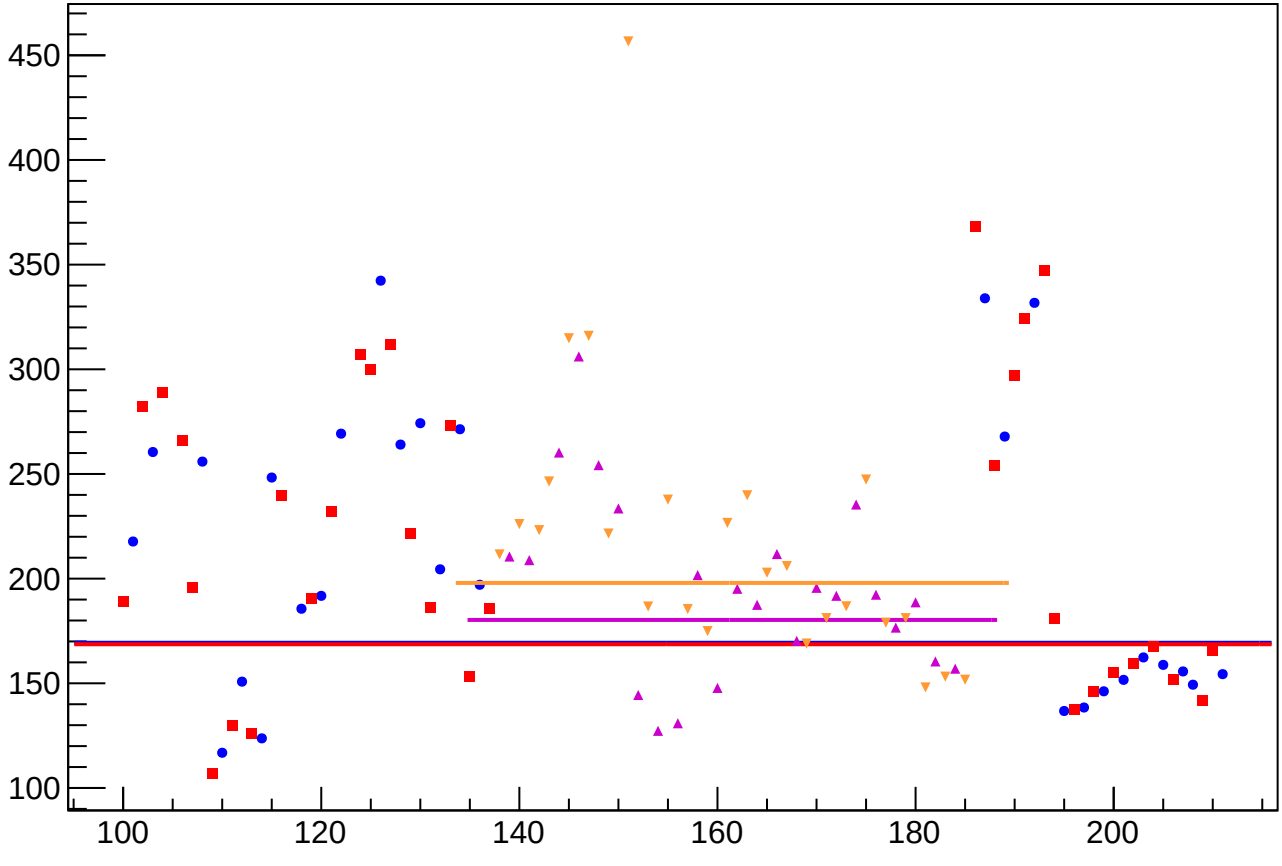
Right: -203.112+/-30.203 χ^2/NDF: 52.1/60

In: -42.360+/-30.904 χ^2/NDF:64.6/50

Out: -43.528+/-31.230 χ^2/NDF:65.0/57

All: -42.938+/-21.967 χ^2/NDF: 129.6/108

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.360+/-0.031 χ^2/NDF: 2288087.1/27

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 168.656+/-0.030 χ^2/NDF: 3000414.0/32

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

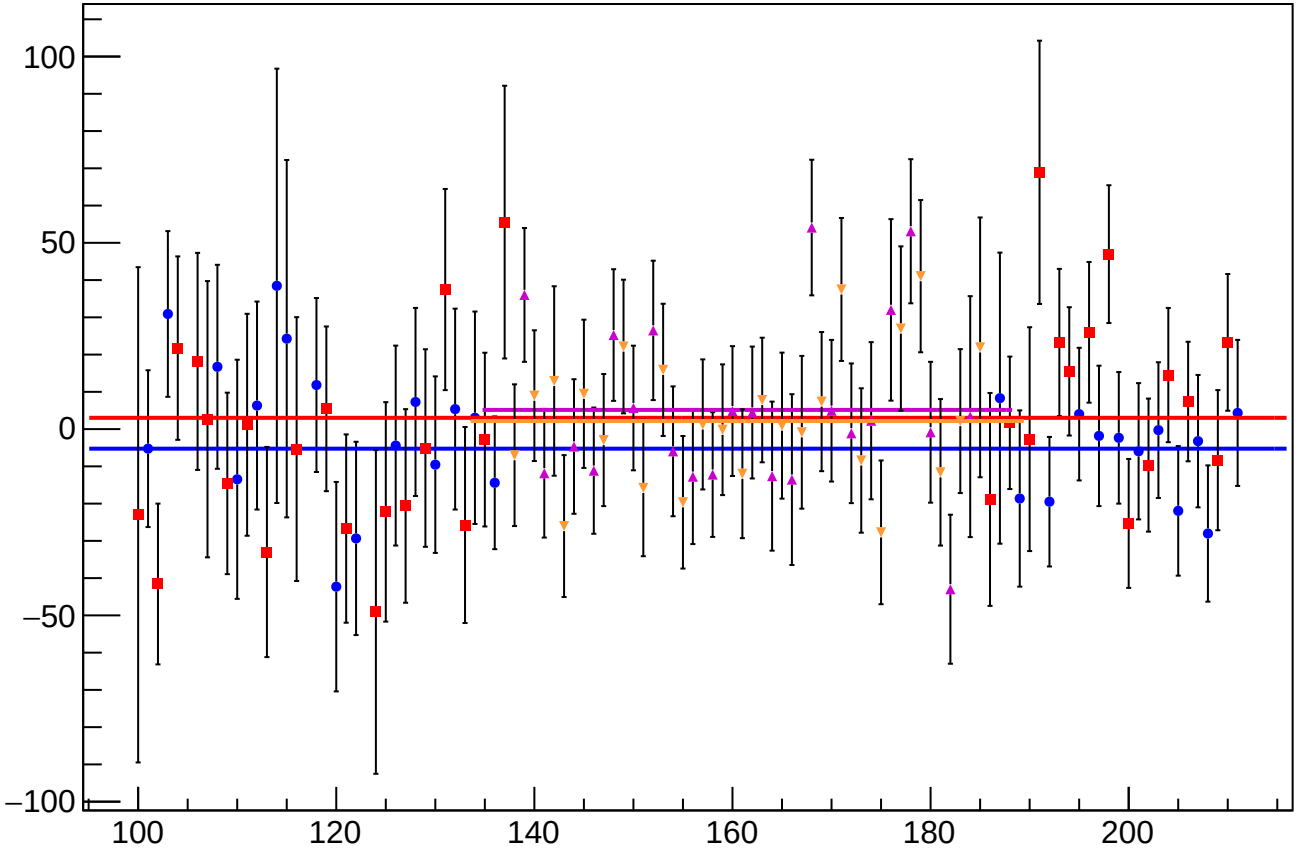
Right: 168.997+/-0.021 χ^2/NDF: 5288772.0/60

In: 174.743+/-0.022 χ^2/NDF:3975126.4/50

Out: 181.796+/-0.022 χ^2/NDF:5227232.5/57

All: 178.232+/-0.016 χ^2/NDF: 9253900.5/108

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.251+/-4.200 χ^2/NDF: 12.6/27

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 3.031+/-4.029 χ^2/NDF: 35.0/32

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

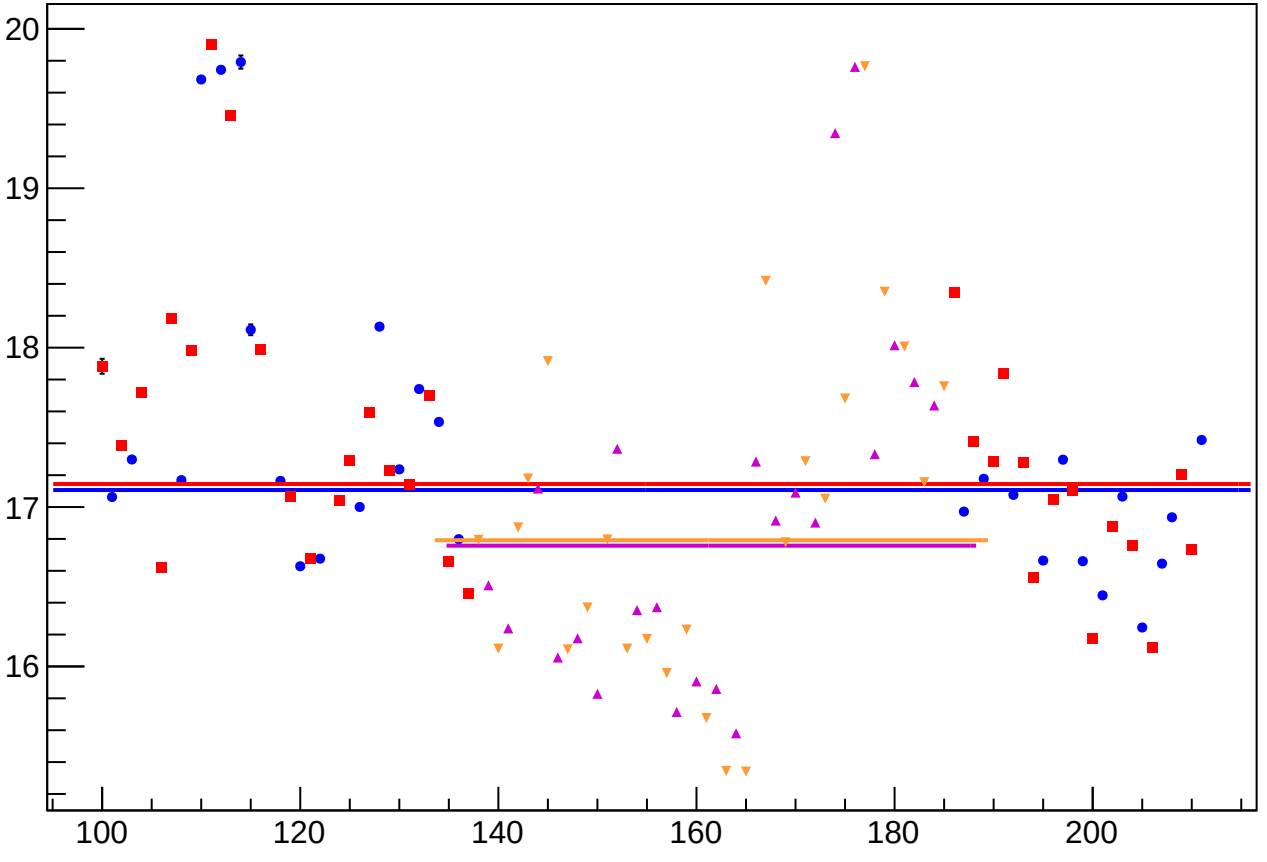
Right: -0.938+/-2.908 χ^2/NDF: 49.6/60

In: 0.303+/-2.868 χ^2/NDF:48.2/50

Out: 2.580+/-2.774 χ^2/NDF:55.0/57

All: 1.479+/-1.994 χ^2/NDF: 103.5/108

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.107+/-0.003 χ^2/NDF: 55040.3/27

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.145+/-0.003 χ^2/NDF: 65832.2/32

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

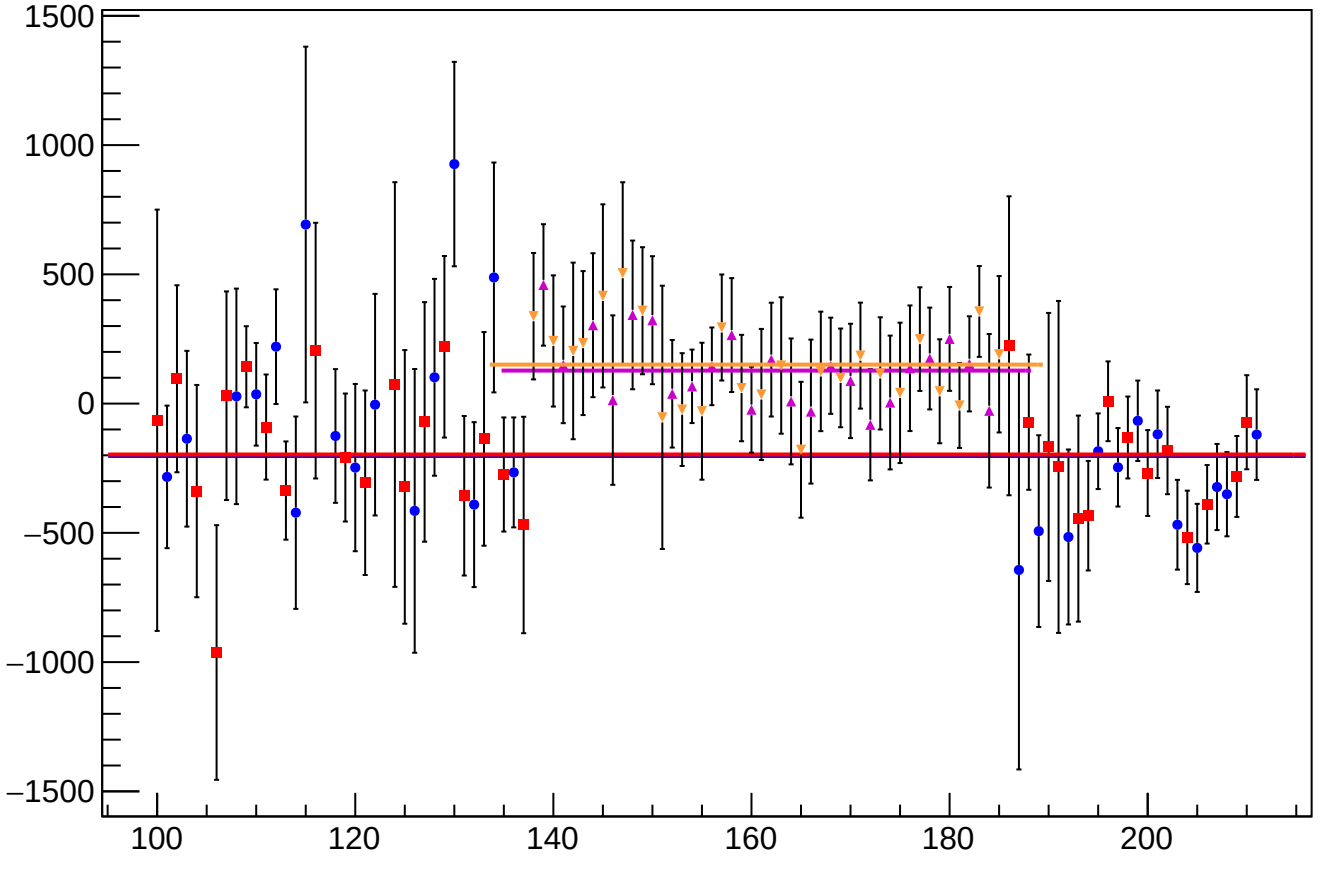
Right: 17.126+/-0.002 χ^2/NDF: 120956.5/60

In: 16.920+/-0.002 χ^2/NDF:185719.8/50

Out: 16.959+/-0.002 χ^2/NDF:210887.2/57

All: 16.940+/-0.001 χ^2/NDF: 396794.7/108

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -202.447+/-43.689 χ^2/NDF: 30.8/27

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -196.868+/-42.366 χ^2/NDF: 22.4/32

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

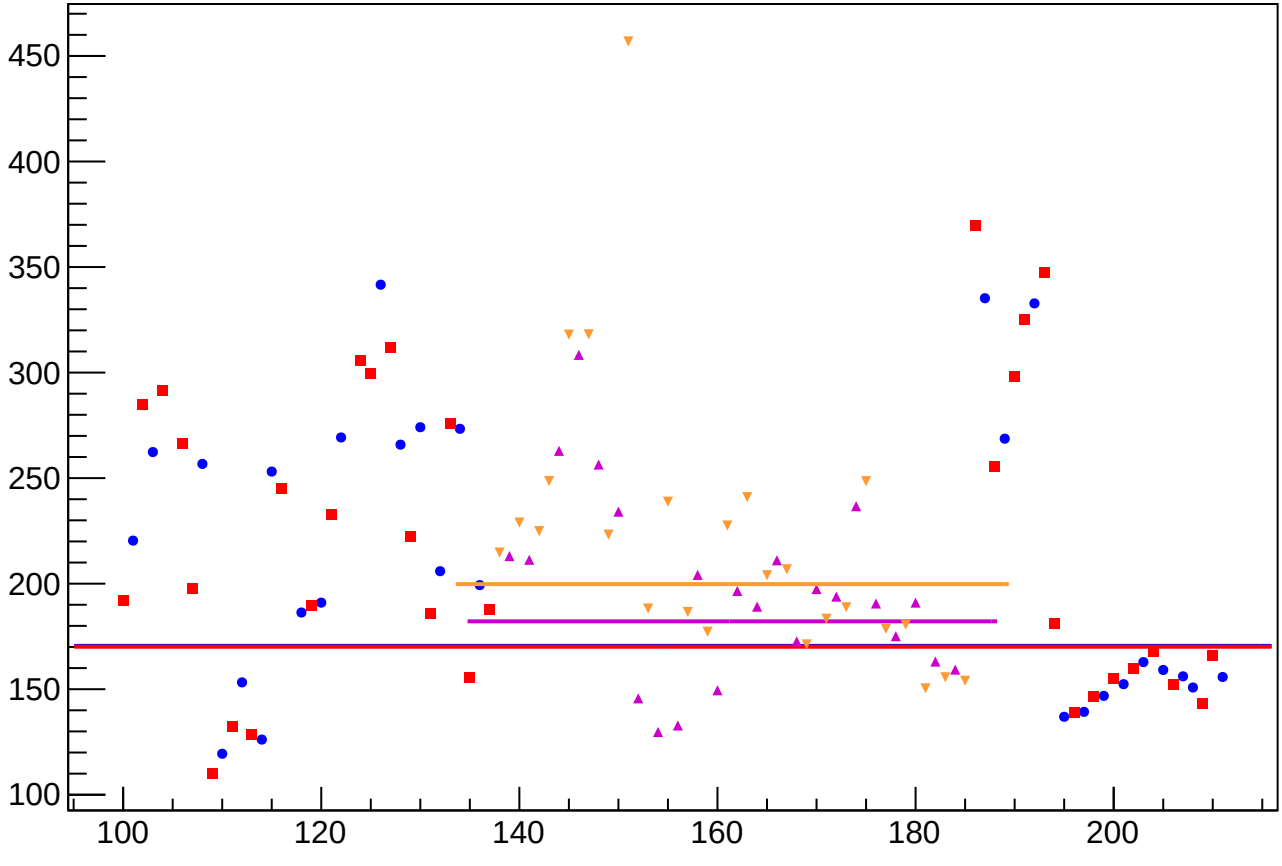
Right: -199.572+/-30.414 χ^2/NDF: 53.2/60

In: -40.130+/-31.150 χ^2/NDF:66.8/50

Out: -41.104+/-31.479 χ^2/NDF:62.5/57

All: -40.612+/-22.142 χ^2/NDF: 129.3/108

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.521+/-0.031 χ^2/NDF: 2267306.6/27

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 170.131+/-0.030 χ^2/NDF: 2933598.5/32

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

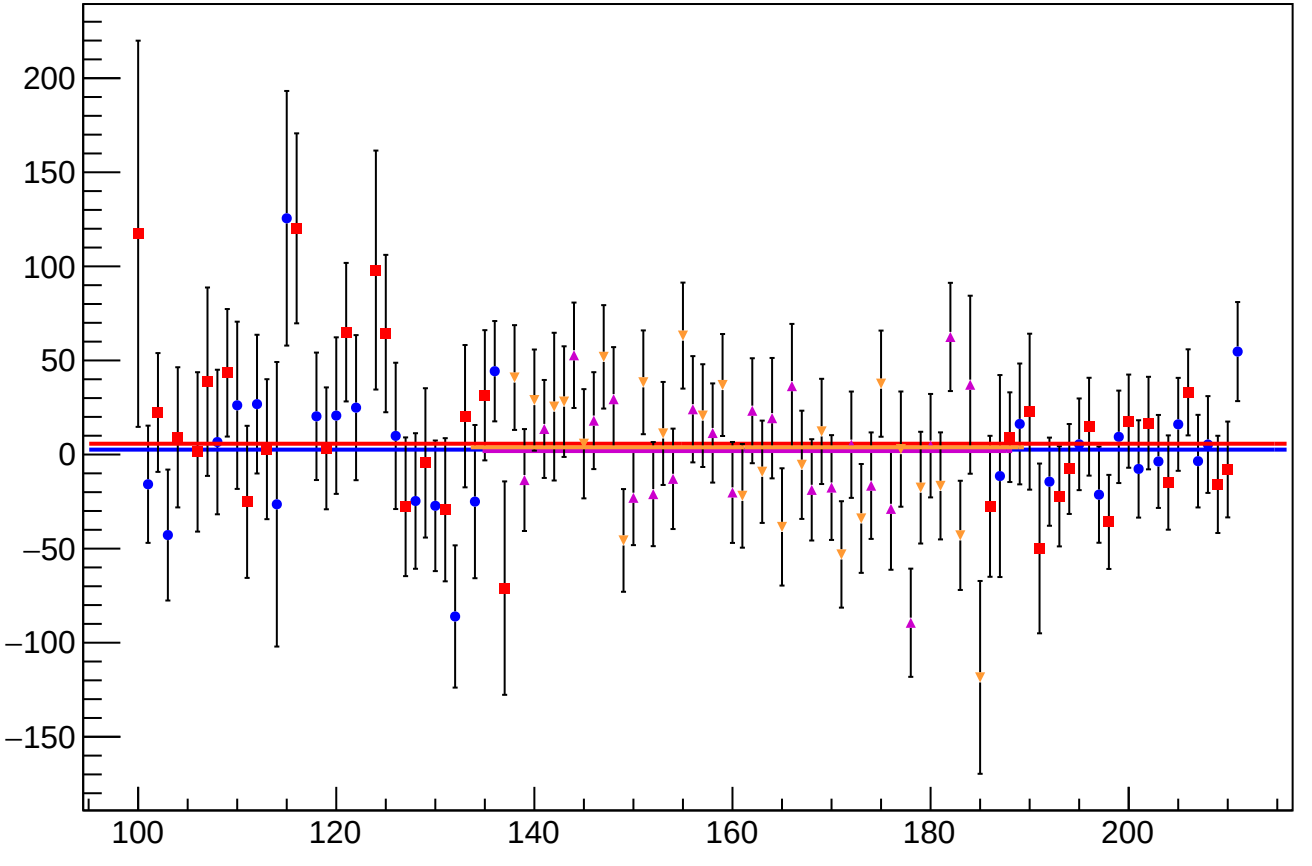
Right: 170.320+/-0.022 χ^2/NDF: 5200986.9/60

In: 176.238+/-0.022 χ^2/NDF:3921336.3/50

Out: 183.414+/-0.022 χ^2/NDF:5132799.9/57

All: 179.788+/-0.016 χ^2/NDF: 9106642.0/108

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.602+/-5.907 χ^2/NDF: 23.0/27

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 5.743+/-5.642 χ^2/NDF: 30.2/32

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

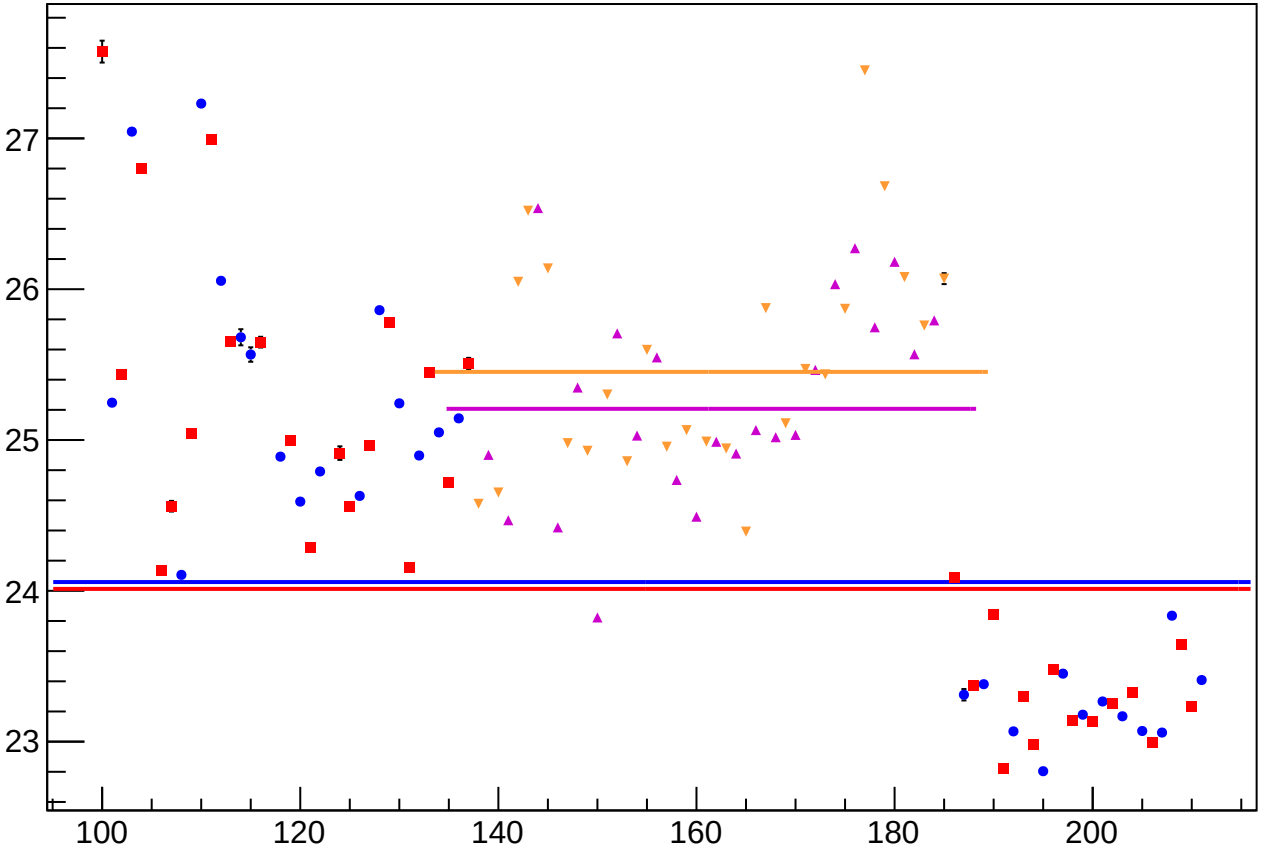
Right: 4.244+/-4.080 χ^2/NDF: 53.3/60

In: 2.225+/-4.172 χ^2/NDF:51.1/50

Out: 4.811+/-4.040 χ^2/NDF:67.8/57

All: 3.560+/-2.902 χ^2/NDF: 119.1/108

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.058+/-0.004 χ^2/NDF: 77337.0/27

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.013+/-0.004 χ^2/NDF: 73276.6/32

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

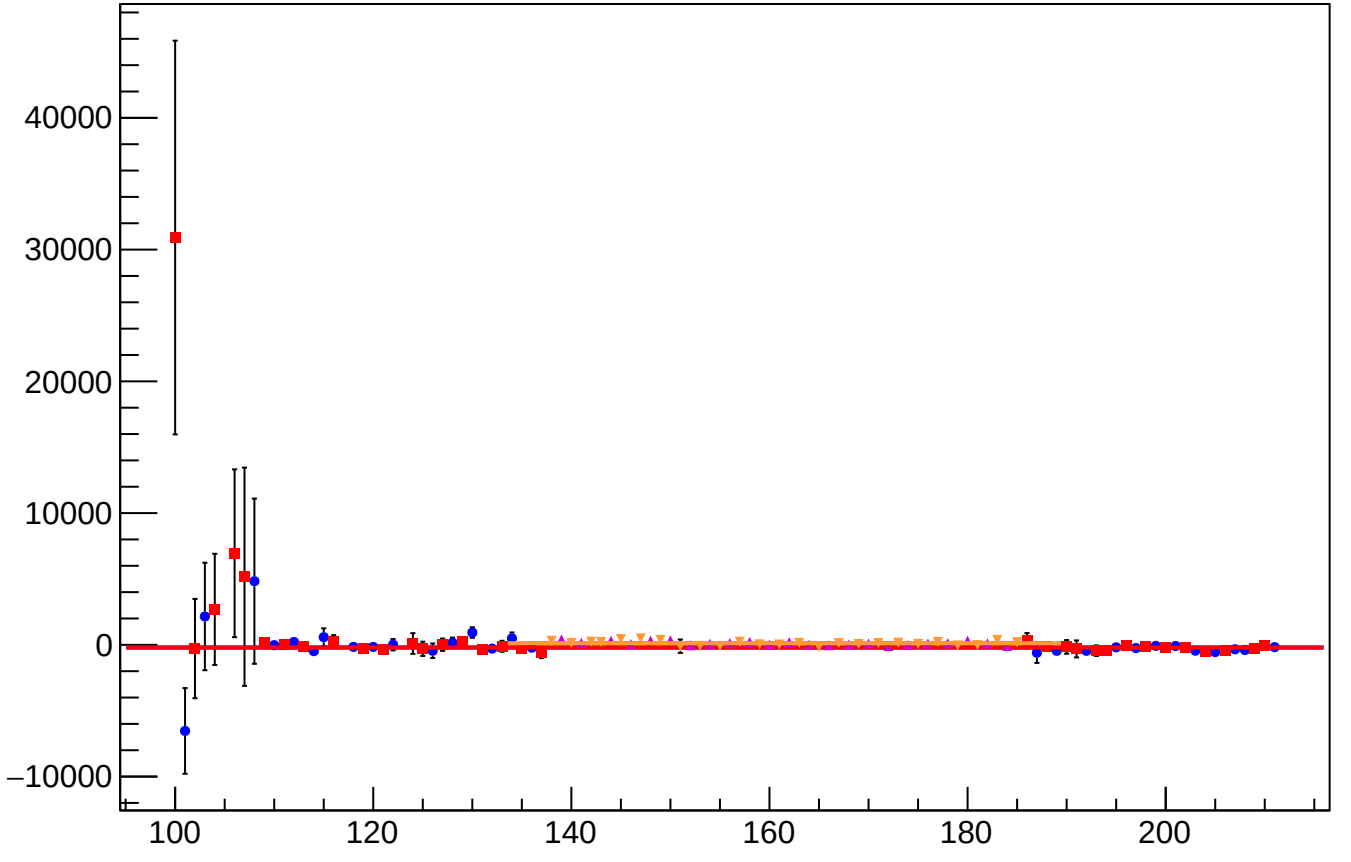
Right: 24.034+/-0.003 χ^2/NDF: 150675.4/60

In: 24.634+/-0.003 χ^2/NDF:141065.1/50

Out: 24.714+/-0.003 χ^2/NDF:166272.0/57

All: 24.675+/-0.002 χ^2/NDF: 307716.5/108

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -203.702+/-45.631 χ^2/NDF: 33.4/27

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -202.165+/-44.755 χ^2/NDF: 25.1/32

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

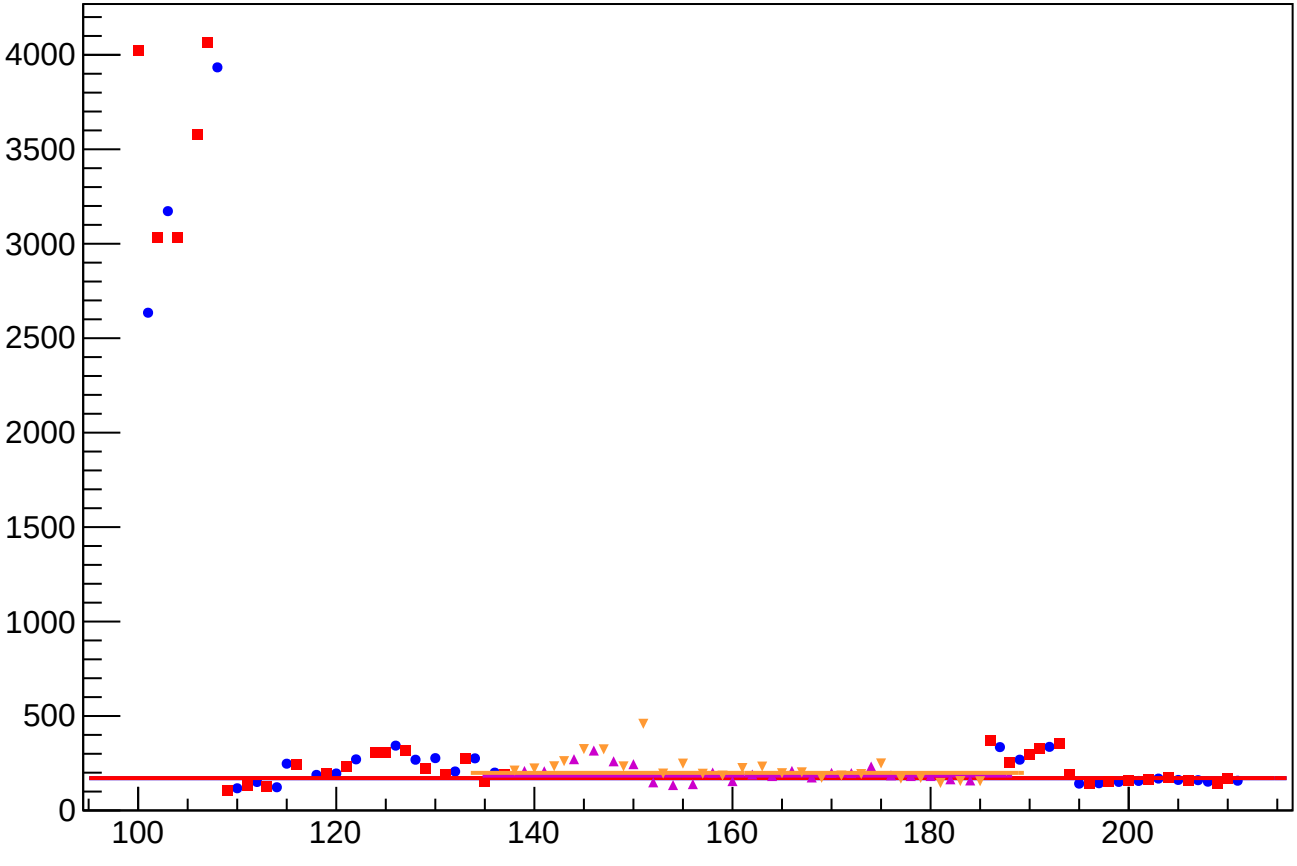
Right: -202.918+/-31.952 χ^2/NDF: 58.4/60

In: -40.511+/-31.994 χ^2/NDF:66.5/50

Out: -46.248+/-32.387 χ^2/NDF:61.7/57

All: -43.344+/-22.761 χ^2/NDF: 128.2/108

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.574+/-0.032 χ^2/NDF: 4868417.4/27

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 171.374+/-0.032 χ^2/NDF: 5575824.7/32

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

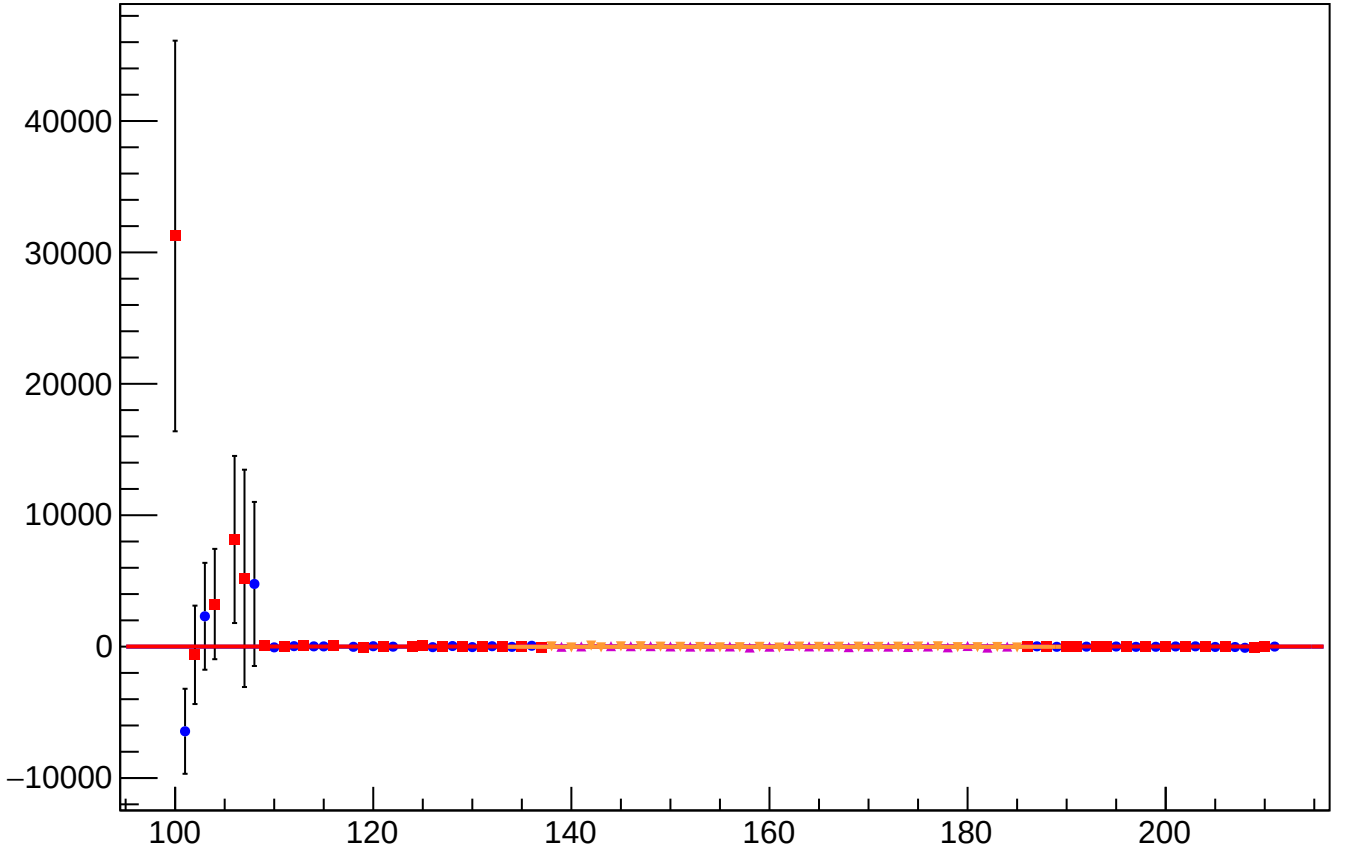
Right: 170.982+/-0.023 χ^2/NDF: 10444555.7/60

In: 177.602+/-0.023 χ^2/NDF:6408055.3/50

Out: 184.530+/-0.023 χ^2/NDF:7840808.1/57

All: 181.024+/-0.016 χ^2/NDF: 14295183.1/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.524+/-7.077 χ^2/NDF: 28.3/27

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 9.303+/-6.829 χ^2/NDF: 33.6/32

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

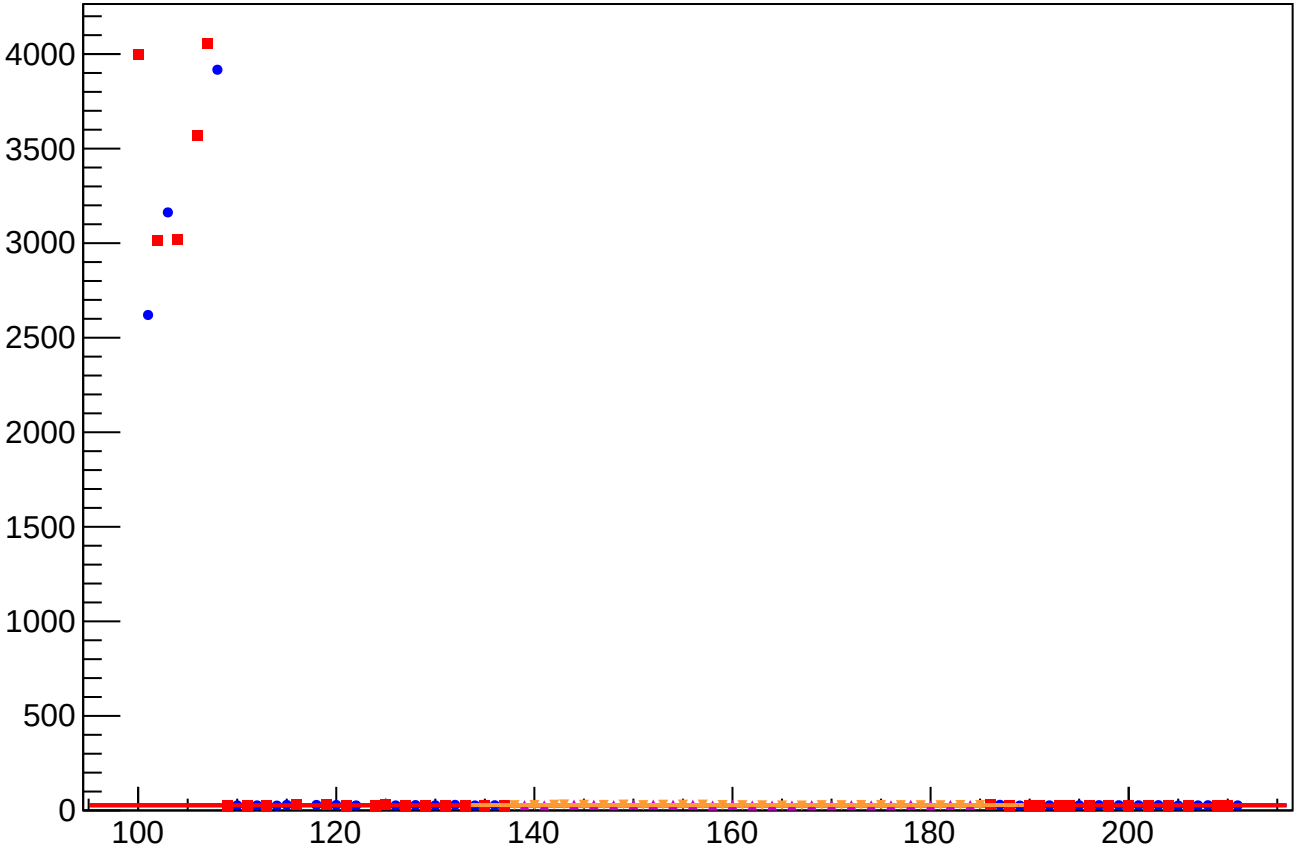
Right: 3.118+/-4.914 χ^2/NDF: 63.6/60

In: -0.521+/-4.867 χ^2/NDF:56.9/50

Out: -3.336+/-4.713 χ^2/NDF:62.4/57

All: -1.974+/-3.385 χ^2/NDF: 119.5/108

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.379+/-0.005 χ^2/NDF: 3280416.2/27

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.337+/-0.005 χ^2/NDF: 3593002.0/32

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

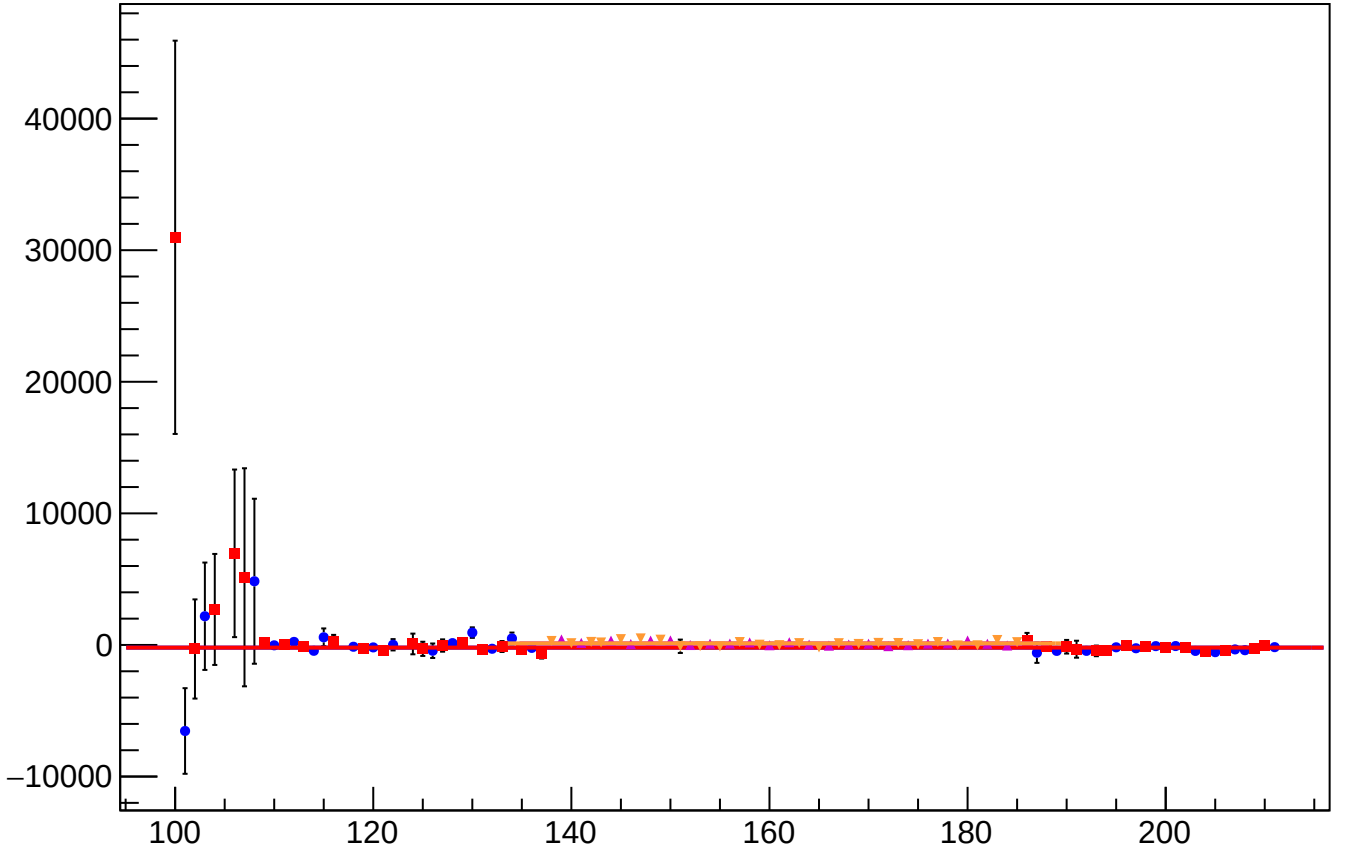
Right: 27.357+/-0.003 χ^2/NDF: 6873454.9/60

In: 28.026+/-0.003 χ^2/NDF:3435022.1/50

Out: 27.991+/-0.003 χ^2/NDF:3716161.2/57

All: 28.008+/-0.002 χ^2/NDF: 7151235.6/108

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -203.749+/-45.496 χ^2/NDF: 33.7/27

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -202.285+/-44.628 χ^2/NDF: 25.6/32

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

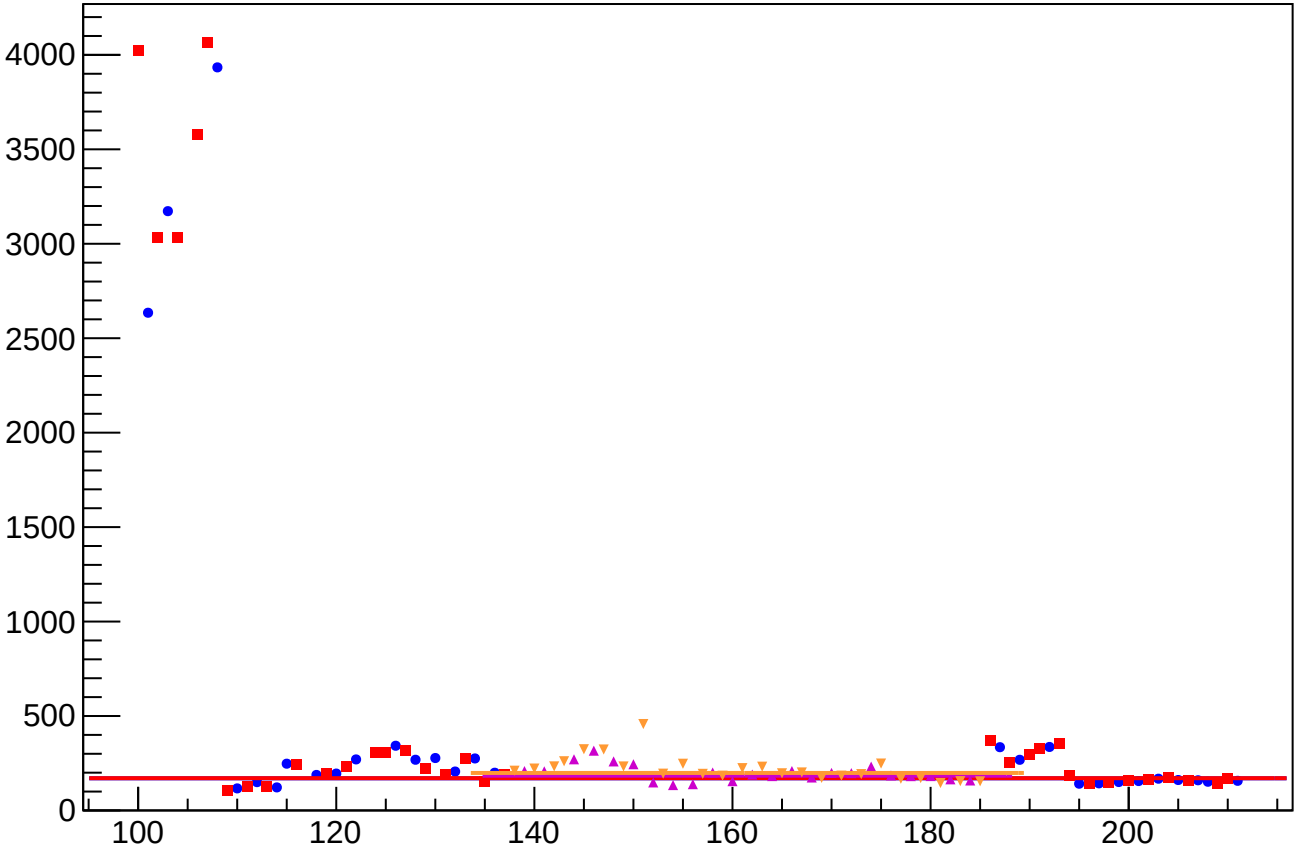
Right: -203.003+/-31.859 χ^2/NDF: 59.3/60

In: -41.237+/-31.917 χ^2/NDF:67.3/50

Out: -47.969+/-32.305 χ^2/NDF:62.7/57

All: -44.562+/-22.705 χ^2/NDF: 130.0/108

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.030+/-0.032 χ^2/NDF: 4881705.2/27

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 170.836+/-0.032 χ^2/NDF: 5594417.6/32

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

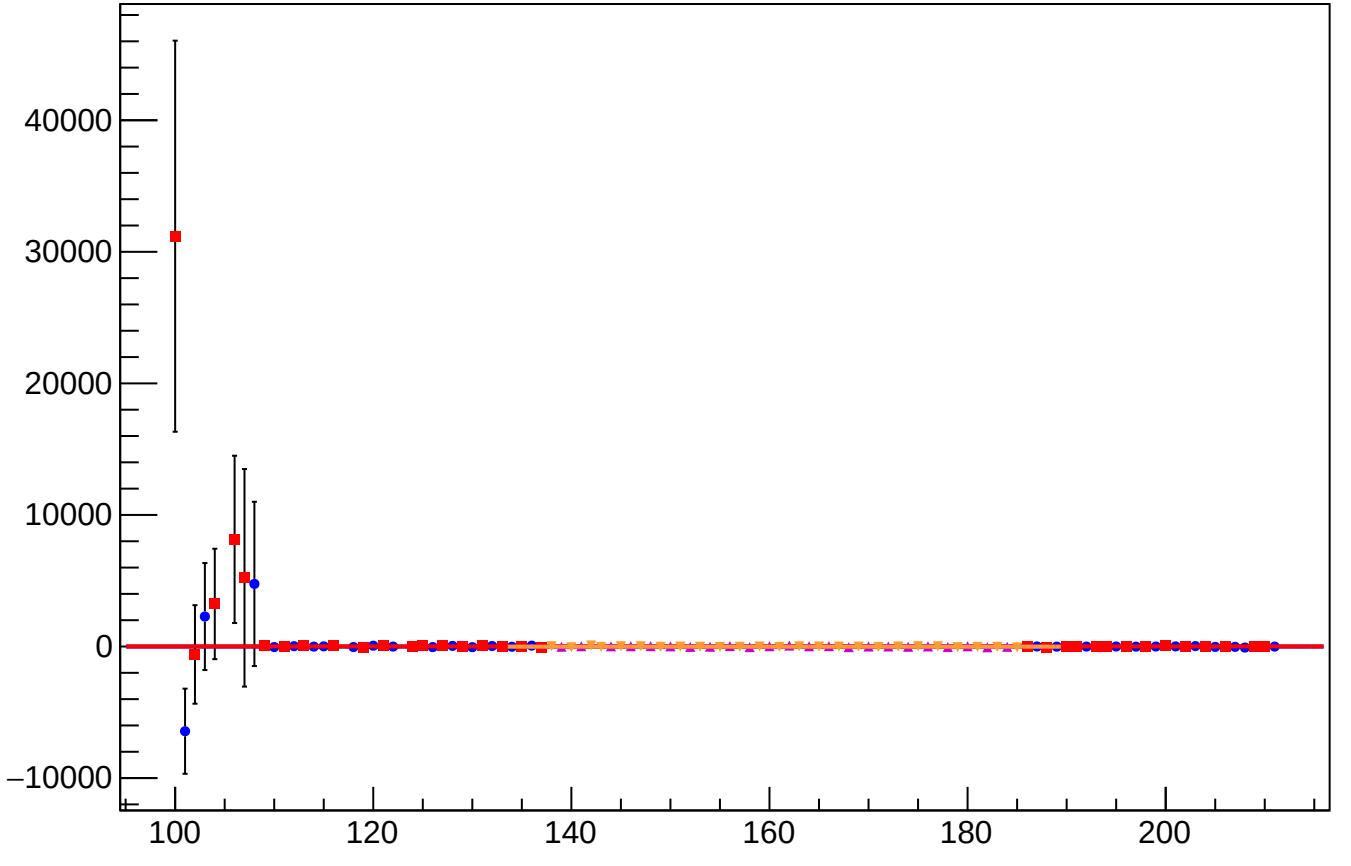
Right: 170.441+/-0.023 χ^2/NDF: 10476442.9/60

In: 177.151+/-0.023 χ^2/NDF:6423601.6/50

Out: 184.037+/-0.023 χ^2/NDF:7863593.5/57

All: 180.552+/-0.016 χ^2/NDF: 14333189.8/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.940+/-7.049 χ^2/NDF: 28.9/27

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 10.235+/-6.807 χ^2/NDF: 33.5/32

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

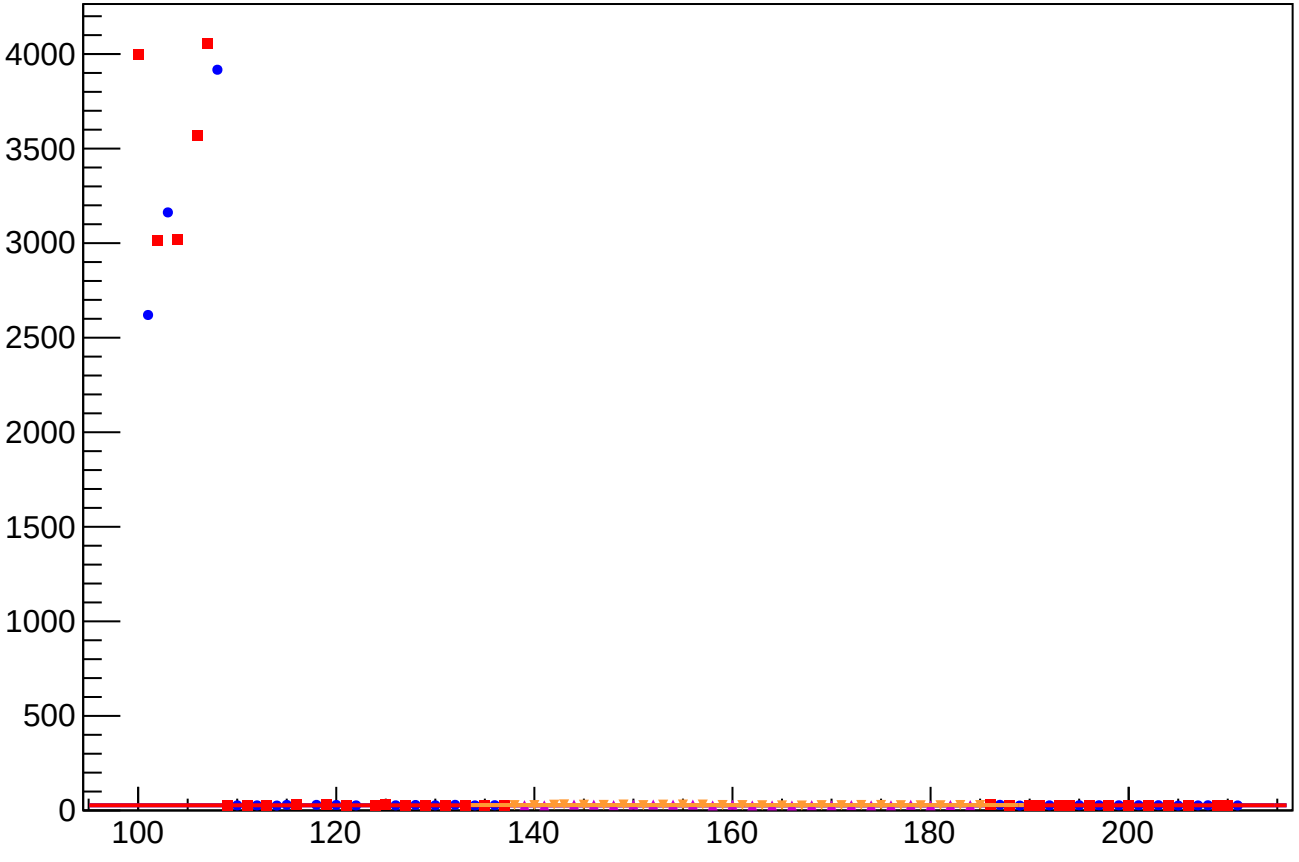
Right: 2.912+/-4.897 χ^2/NDF: 64.8/60

In: -1.009+/-4.868 χ^2/NDF:51.7/50

Out: -1.255+/-4.716 χ^2/NDF:56.9/57

All: -1.136+/-3.387 χ^2/NDF: 108.6/108

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.267+/-0.005 χ^2/NDF: 3286645.4/27

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.246+/-0.005 χ^2/NDF: 3597611.3/32

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

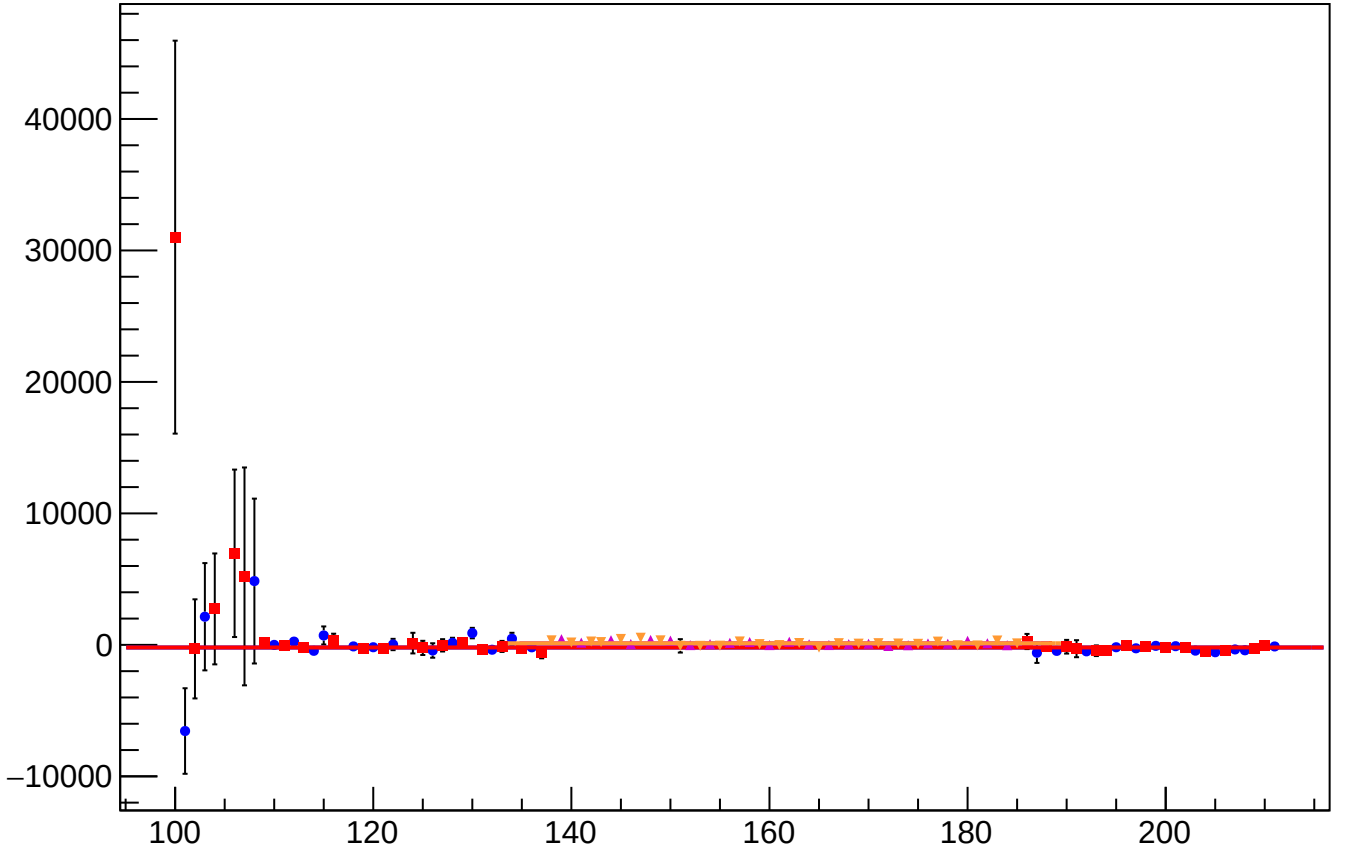
Right: 27.256+/-0.003 χ^2/NDF: 6884266.0/60

In: 28.031+/-0.003 χ^2/NDF:3458916.6/50

Out: 28.006+/-0.003 χ^2/NDF:3744387.8/57

All: 28.018+/-0.002 χ^2/NDF: 7203331.8/108

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -202.458+/-45.844 χ^2/NDF: 34.8/27

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -197.834+/-44.971 χ^2/NDF: 24.2/32

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

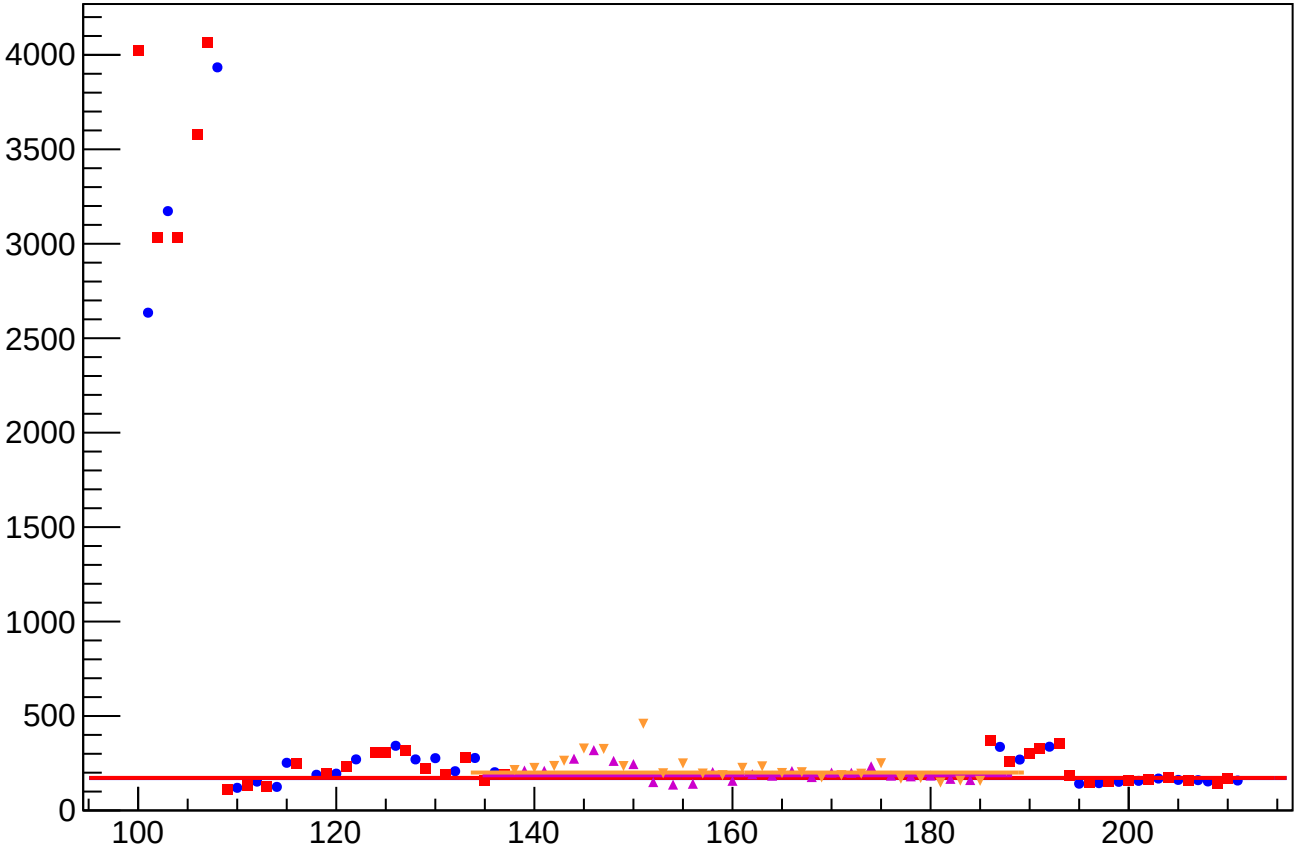
Right: -200.102+/-32.103 χ^2/NDF: 59.0/60

In: -37.653+/-32.211 χ^2/NDF:68.8/50

Out: -45.573+/-32.591 χ^2/NDF:59.7/57

All: -41.567+/-22.910 χ^2/NDF: 128.5/108

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.440+/-0.032 χ^2/NDF: 4849427.6/27

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 172.347+/-0.032 χ^2/NDF: 5532325.7/32

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

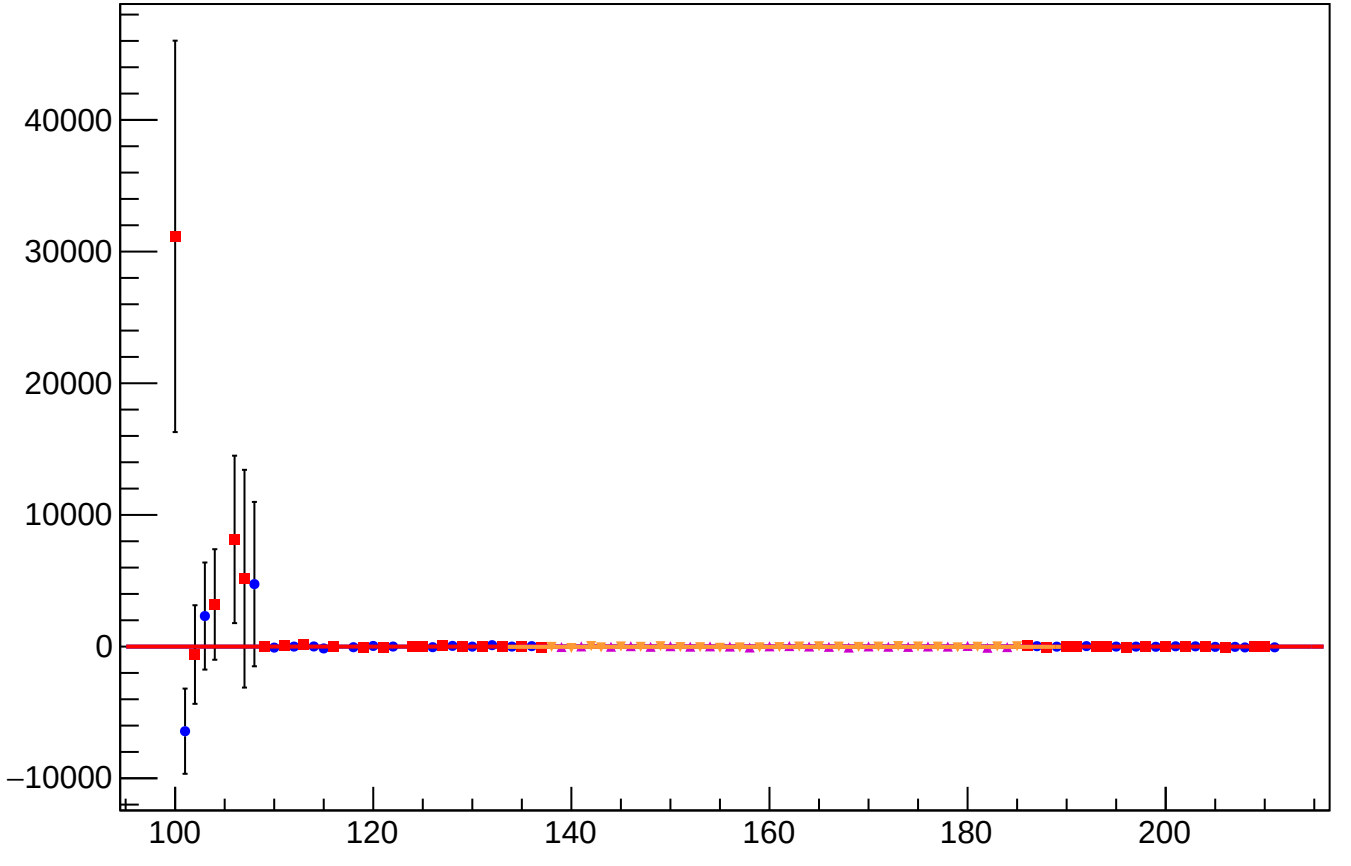
Right: 171.902+/-0.023 χ^2/NDF: 10382151.5/60

In: 178.898+/-0.023 χ^2/NDF:6367337.2/50

Out: 185.801+/-0.023 χ^2/NDF:7789486.5/57

All: 182.309+/-0.016 χ^2/NDF: 14202220.7/10

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.603+/-8.607 χ^2/NDF: 25.5/27

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 1.326+/-8.316 χ^2/NDF: 34.0/32

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

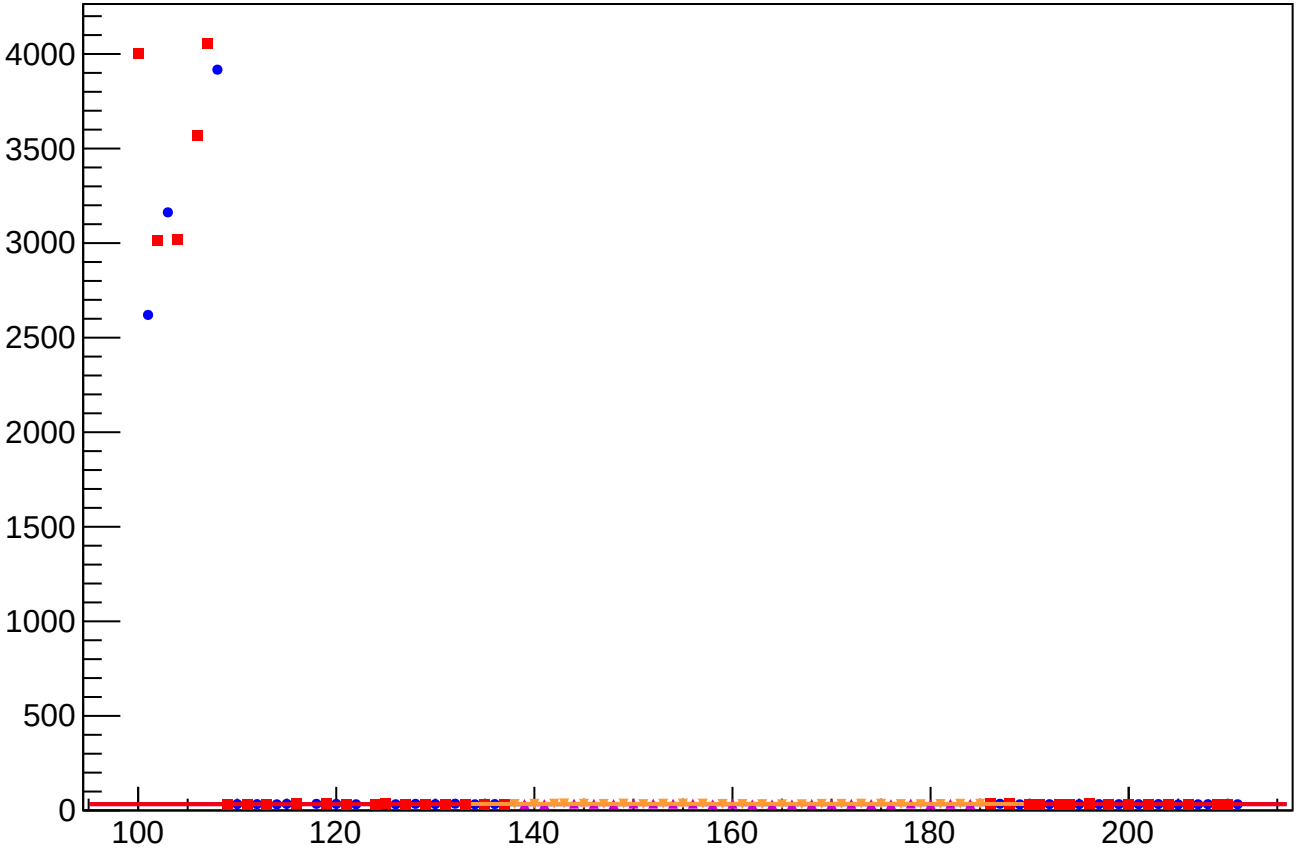
Right: -0.571+/-5.980 χ^2/NDF: 59.6/60

In: -3.361+/-5.892 χ^2/NDF:44.4/50

Out: -10.621+/-5.703 χ^2/NDF:60.8/57

All: -7.109+/-4.098 χ^2/NDF: 106.0/108

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.006 χ^2/NDF: 3256250.4/27

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.332+/-0.006 χ^2/NDF: 3549816.1/32

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

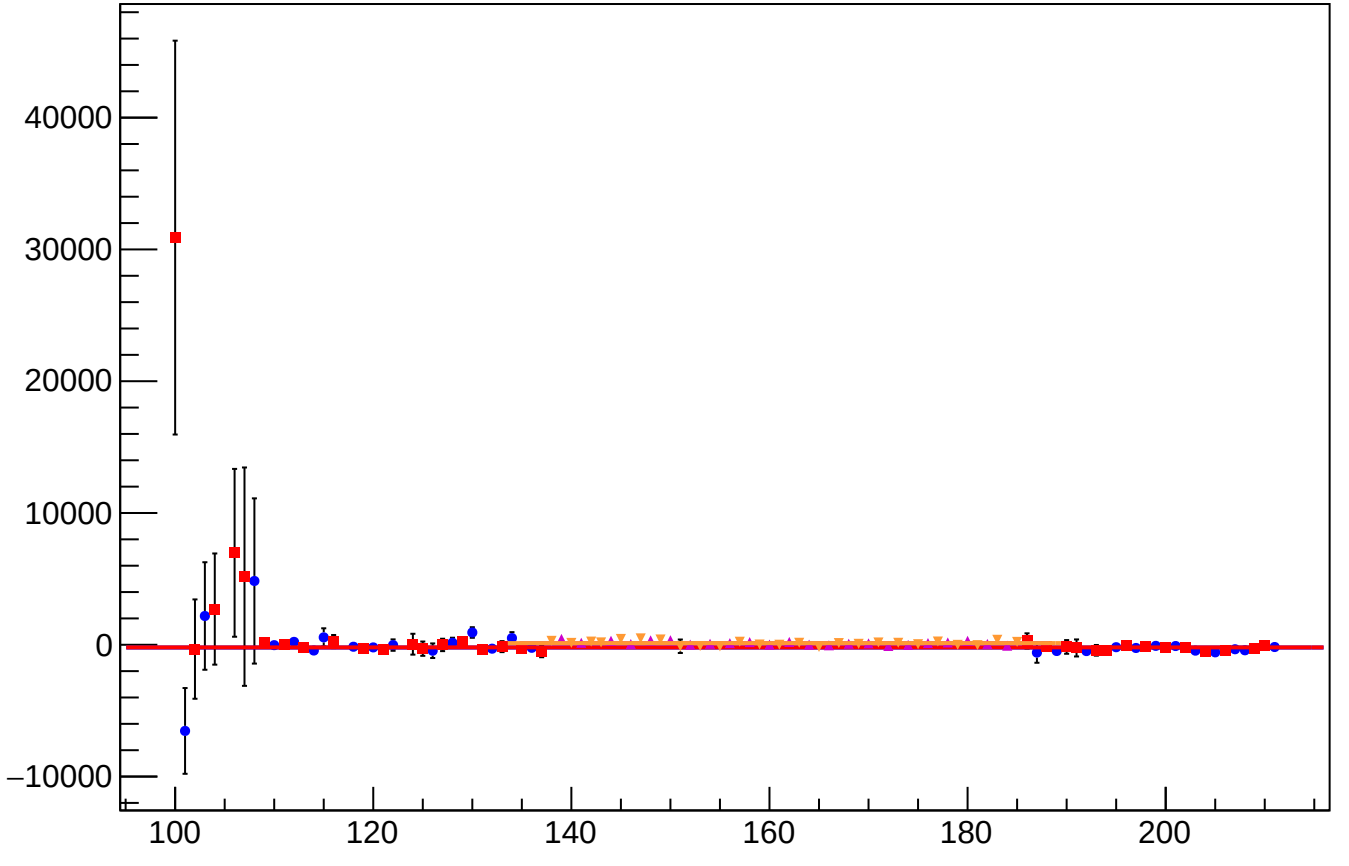
Right: 33.330+/-0.004 χ^2/NDF: 6806066.7/60

In: 33.978+/-0.004 χ^2/NDF:3337038.7/50

Out: 33.918+/-0.004 χ^2/NDF:3613274.0/57

All: 33.947+/-0.003 χ^2/NDF: 6950420.2/108

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -210.502+/-45.701 χ^2/NDF: 34.1/27

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -199.313+/-44.810 χ^2/NDF: 24.0/32

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

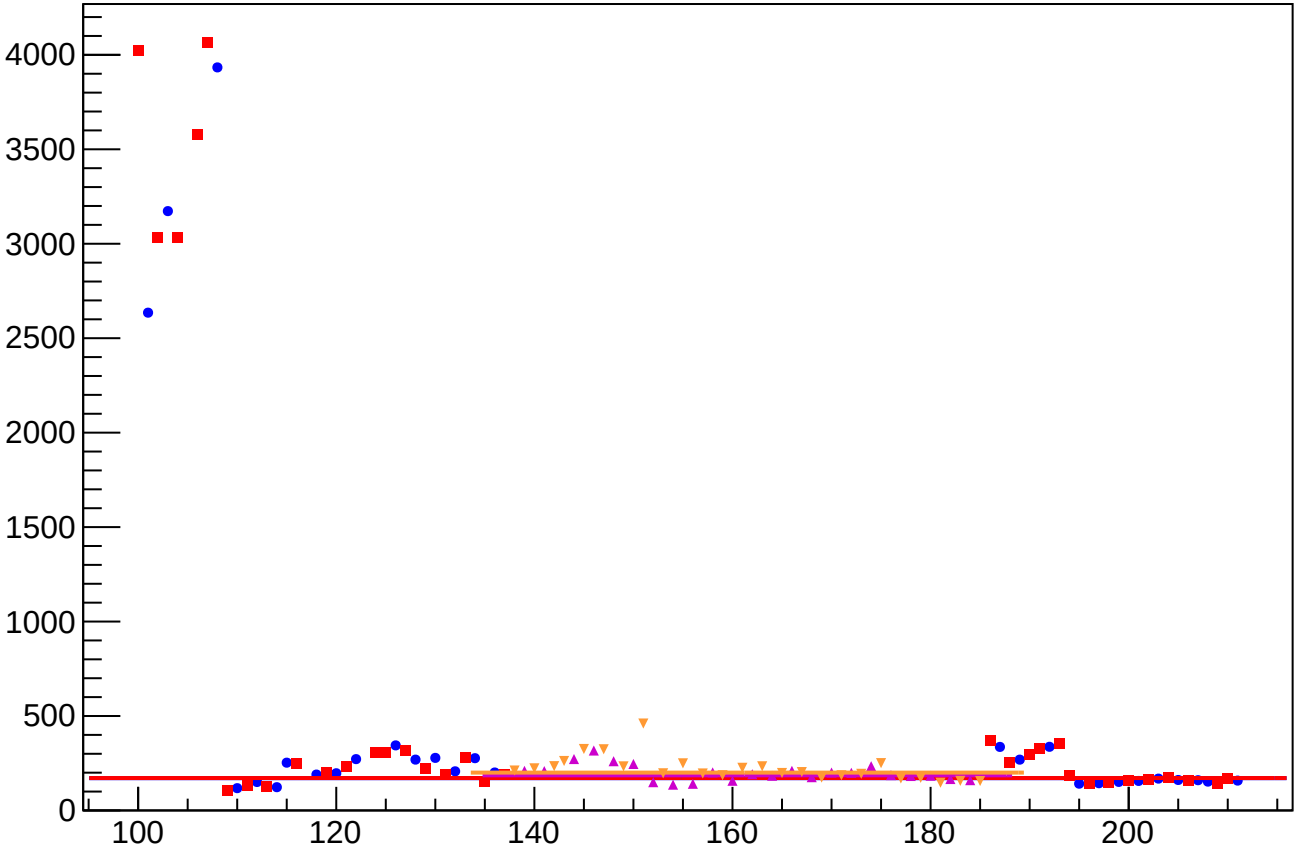
Right: -204.797+/-31.996 χ^2/NDF: 58.1/60

In: -42.004+/-32.136 χ^2/NDF:68.9/50

Out: -44.397+/-32.507 χ^2/NDF:60.9/57

All: -43.187+/-22.854 χ^2/NDF: 129.8/108

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.810+/-0.032 χ^2/NDF: 4878365.0/27

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 171.578+/-0.032 χ^2/NDF: 5582482.8/32

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

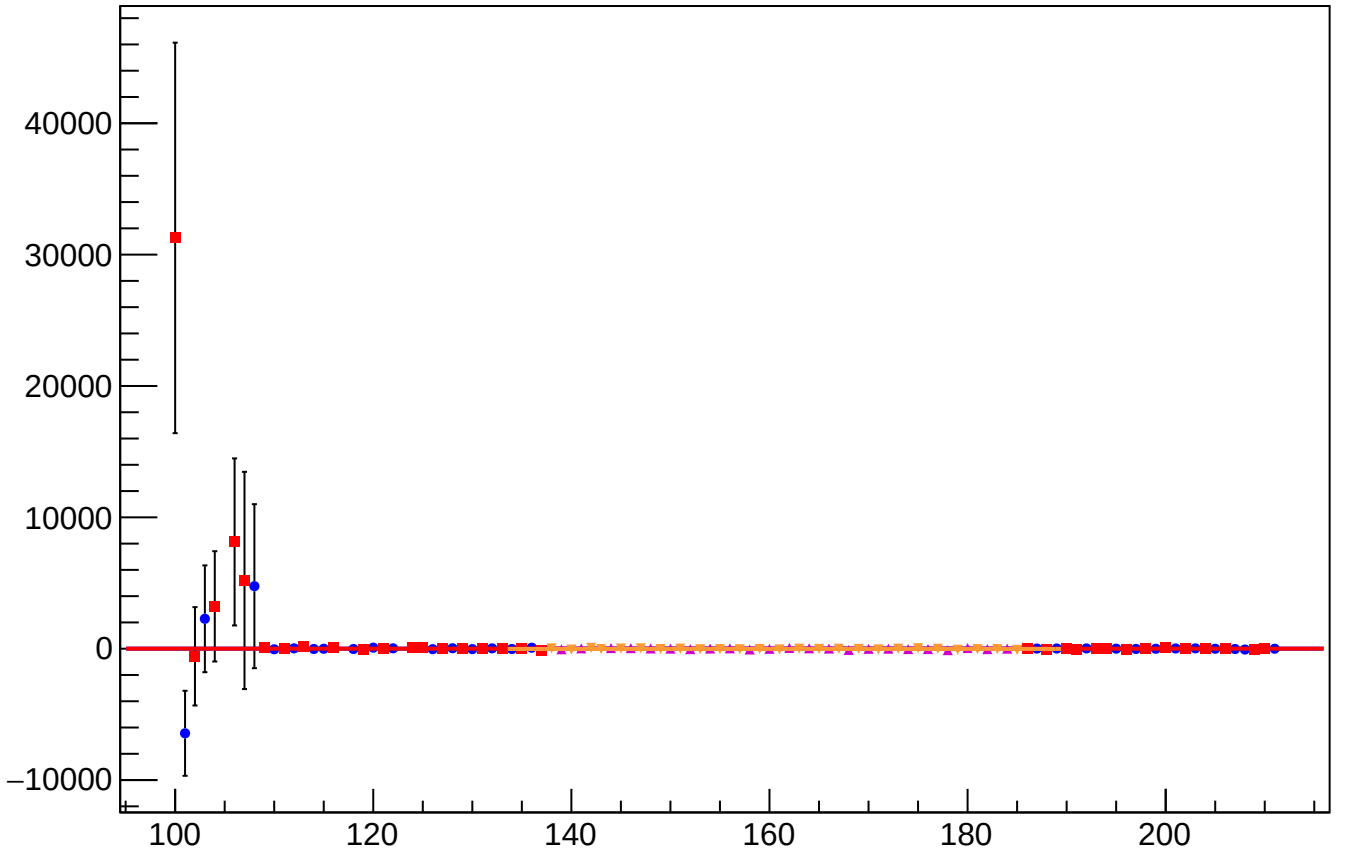
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 171.201+/-0.023 χ^2/NDF: 10461135.6/60

In: 178.424+/-0.023 χ^2/NDF:6393705.4/50

Out: 185.219+/-0.023 χ^2/NDF:7850259.1/57

All: 181.782+/-0.016 χ^2/NDF: 14288159.3/10



Right In: 3.119+/-7.794 χ^2/NDF: 22.7/27

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 3.828+/-7.525 χ^2/NDF: 40.4/32

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

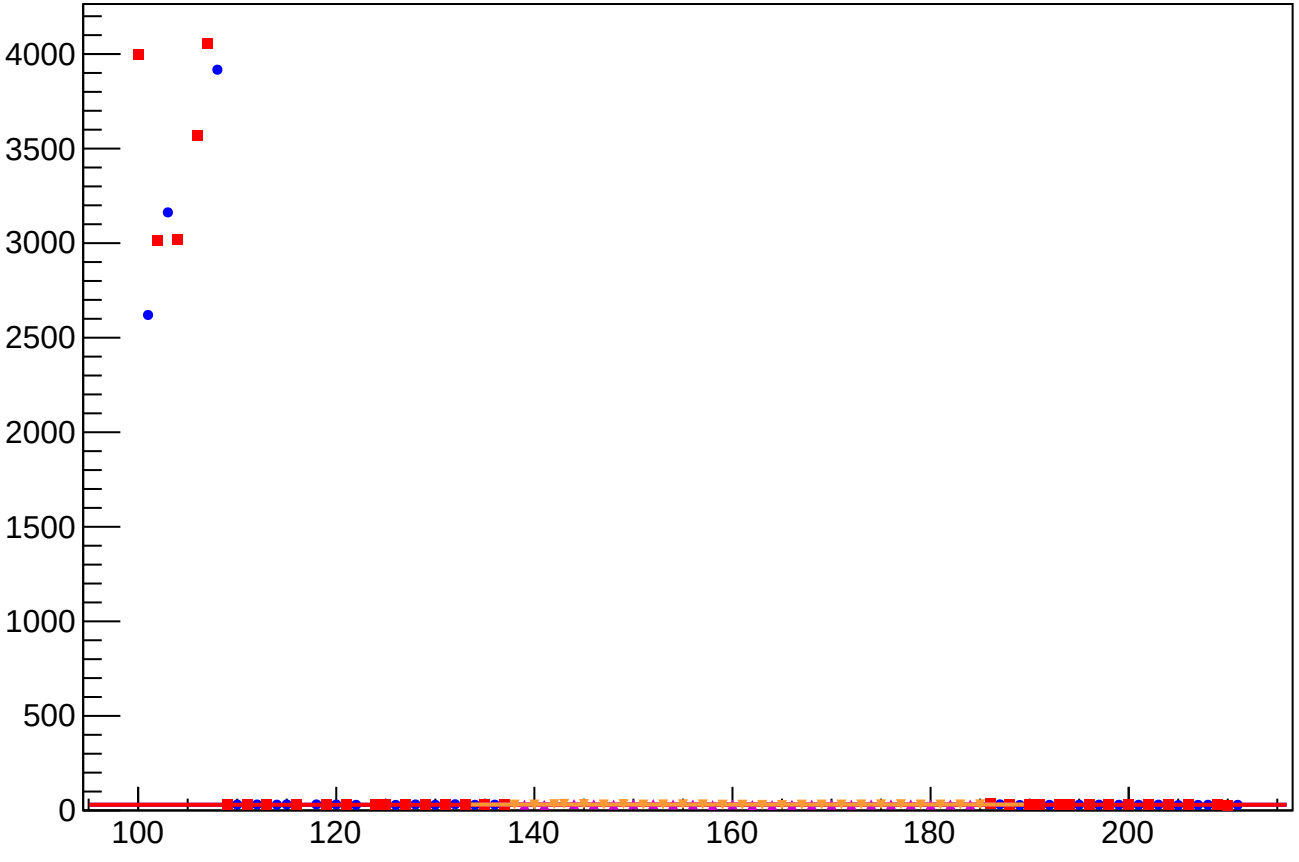
Right: 3.486+/-5.414 χ^2/NDF: 63.1/60

In: 0.034+/-5.346 χ^2/NDF:58.5/50

Out: -7.973+/-5.178 χ^2/NDF:65.5/57

All: -4.098+/-3.719 χ^2/NDF: 125.1/108

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.159+/-0.006 χ^2/NDF: 3274172.7/27

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.140+/-0.005 χ^2/NDF: 3570255.6/32

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

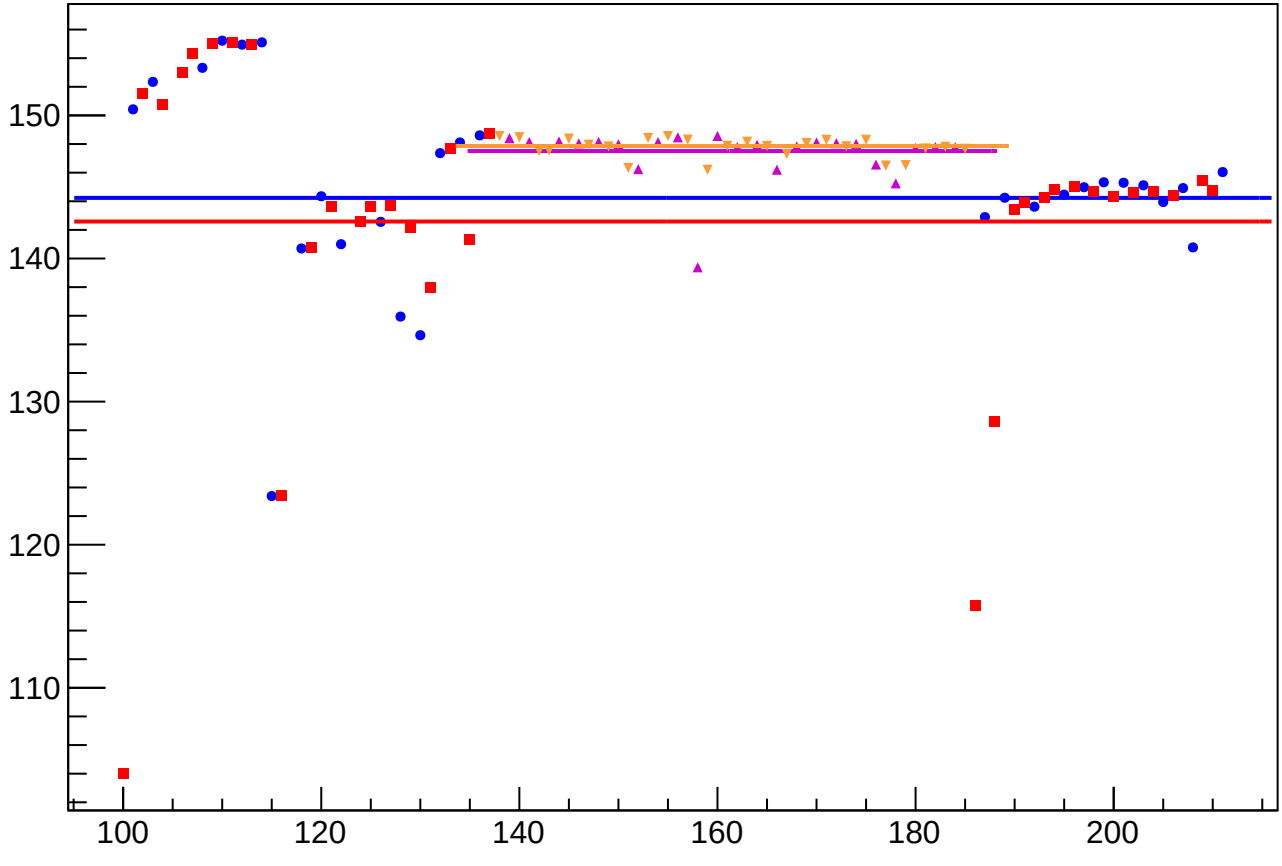
Right: 30.149+/-0.004 χ^2/NDF: 6844434.6/60

In: 30.805+/-0.004 χ^2/NDF:3385355.4/50

Out: 30.772+/-0.004 χ^2/NDF:3660047.6/57

All: 30.788+/-0.003 χ^2/NDF: 7045443.2/108

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.237+/-0.000 χ^2/NDF: 3774605446.4/27

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.586+/-0.000 χ^2/NDF: 7580302988.5/32

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

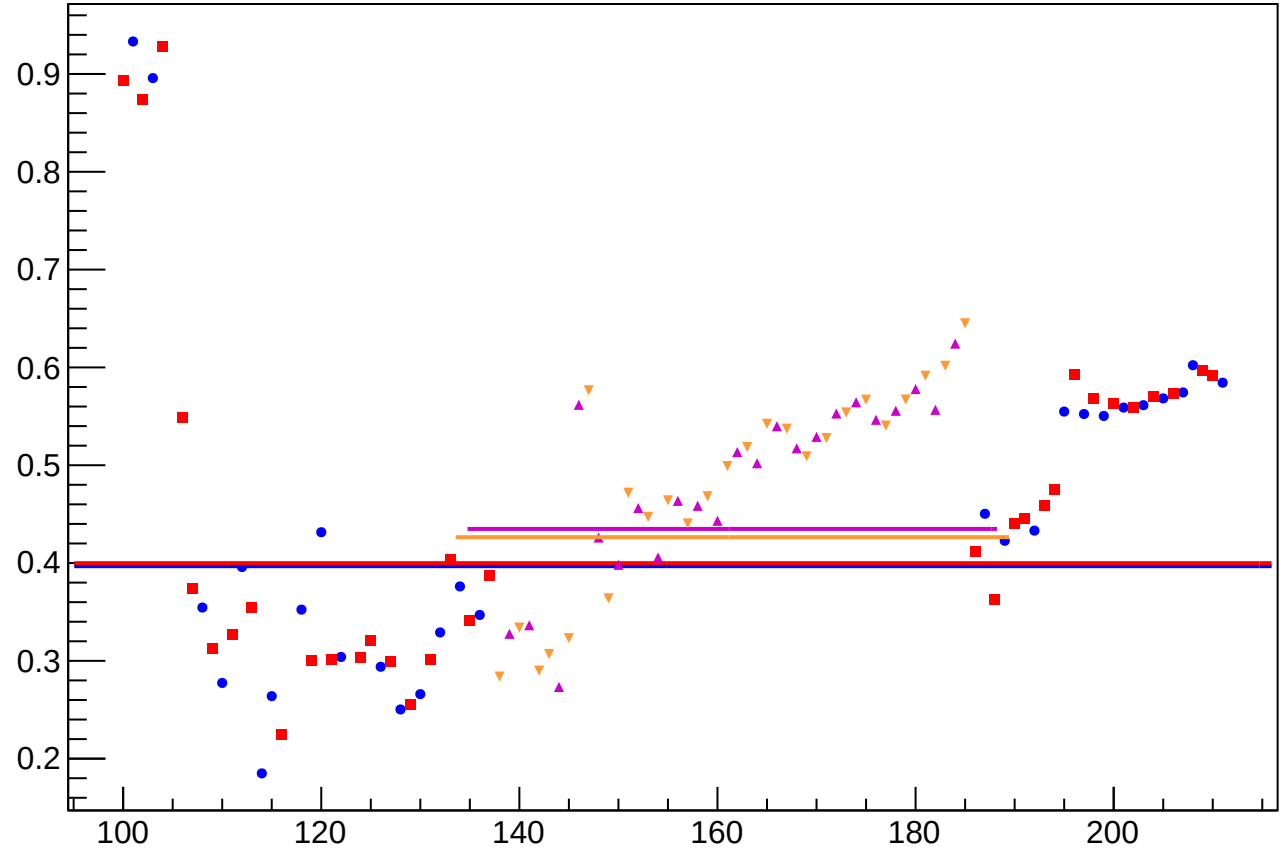
Right: 143.376+/-0.000 χ^2/NDF: 11481056475.5/60

In: 145.879+/-0.000 χ^2/NDF:4557478291.1/50

Out: 145.229+/-0.000 χ^2/NDF:8974631825.4/57

All: 145.540+/-0.000 χ^2/NDF: 13571307749.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.397+/-0.000 χ^2/NDF: 3385930.5/27

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.400+/-0.000 χ^2/NDF: 3260209.2/32

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

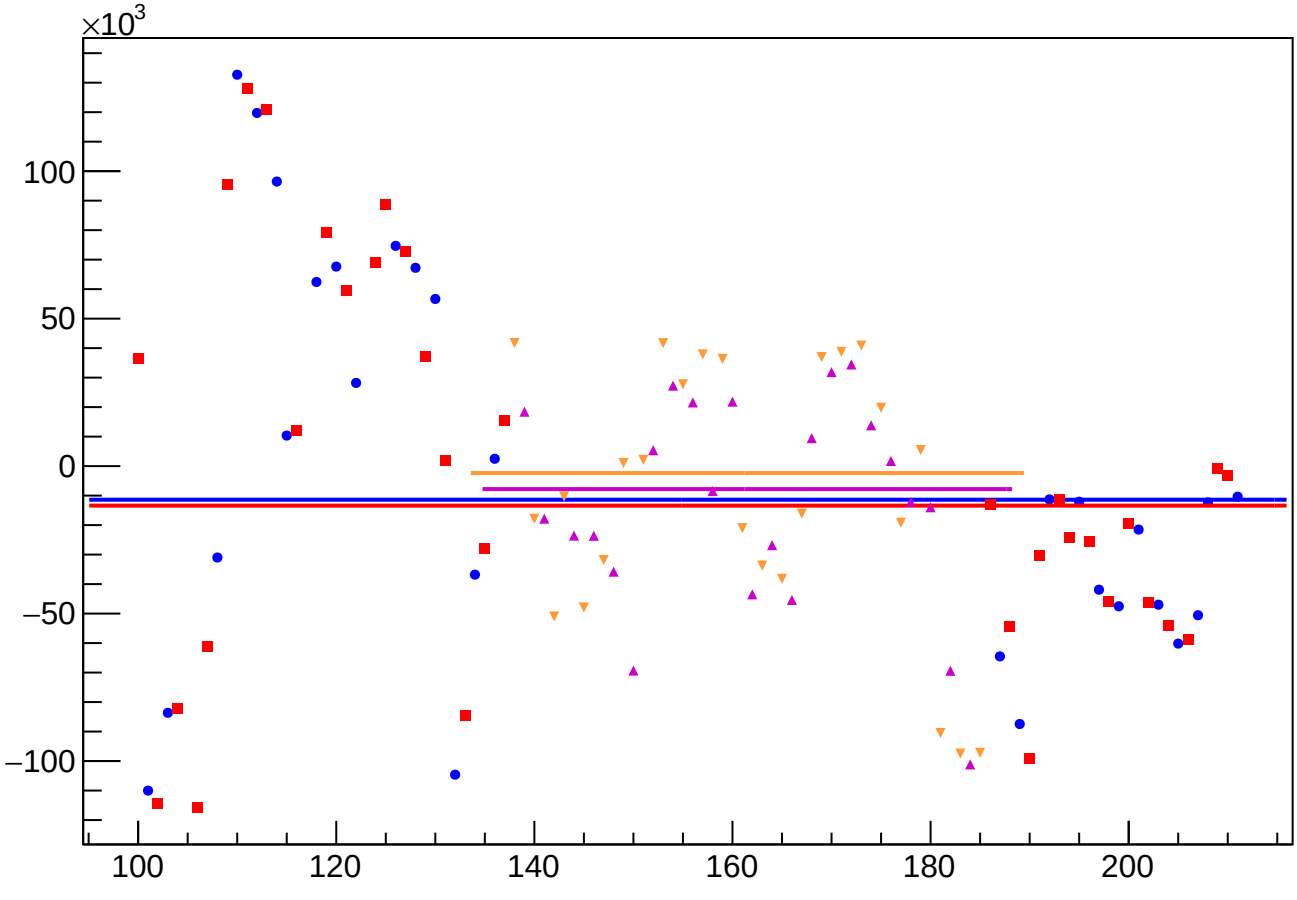
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.398+/-0.000 χ^2/NDF: 6647006.3/60

In: 0.416+/-0.000 χ^2/NDF:5289714.6/50

Out: 0.413+/-0.000 χ^2/NDF:5587726.4/57

All: 0.414+/-0.000 χ^2/NDF: 10878828.0/108



Right In: -11395.668+/-1.349 χ^2/NDF: 1936425382.8/27

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13389.008+/-1.261 χ^2/NDF: 2395584102.6/32

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

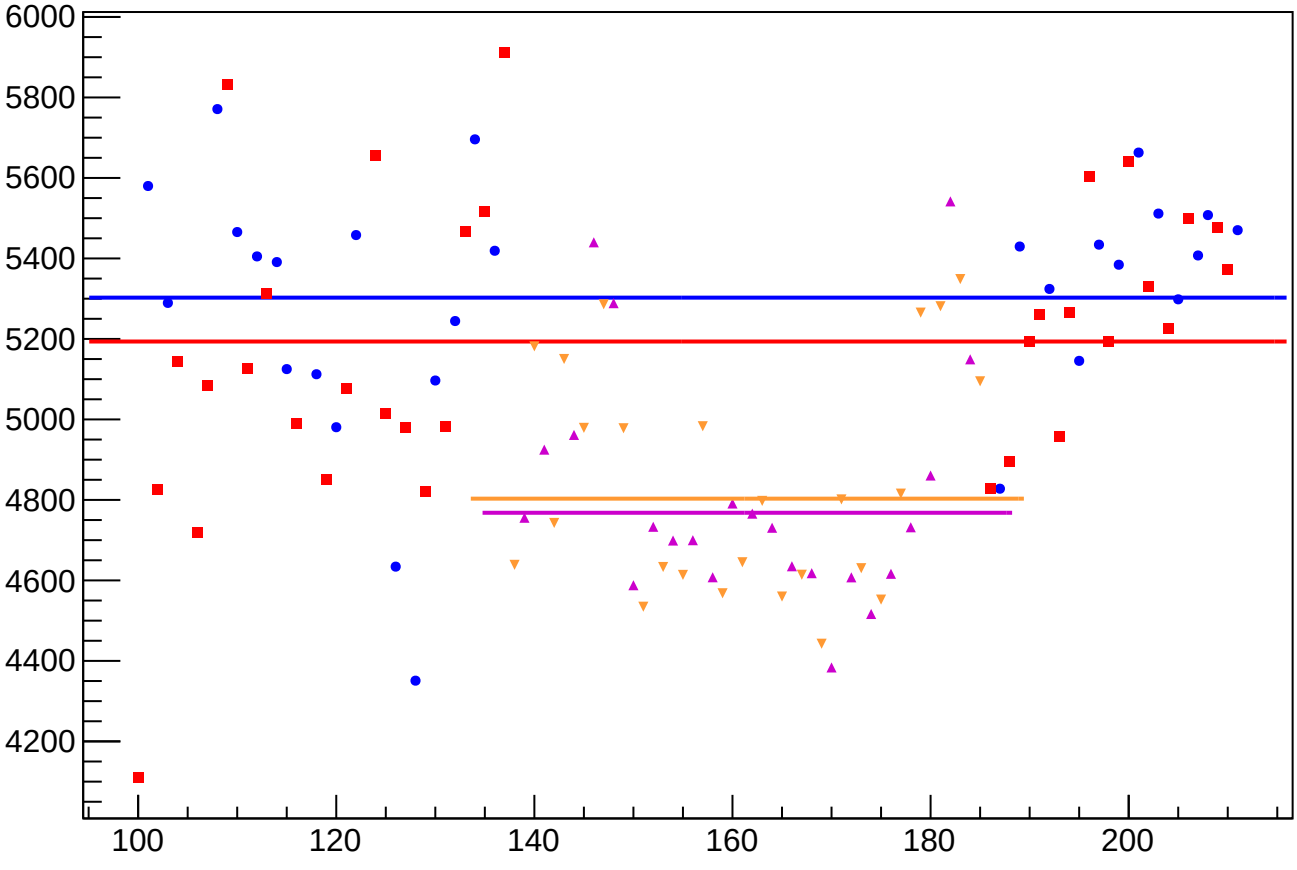
Right: -12458.847+/-0.921 χ^2/NDF: 4333174697.4/6

In: -9298.378+/-0.873 χ^2/NDF:2703082309.8/50

Out: -7229.120+/-0.839 χ^2/NDF:3668366843.1/57

All: -8222.946+/-0.605 χ^2/NDF: 6374371444

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5302.608+/-0.954 χ^2/NDF: 102283.0/27

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5193.570+/-0.892 χ^2/NDF: 110726.9/32

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

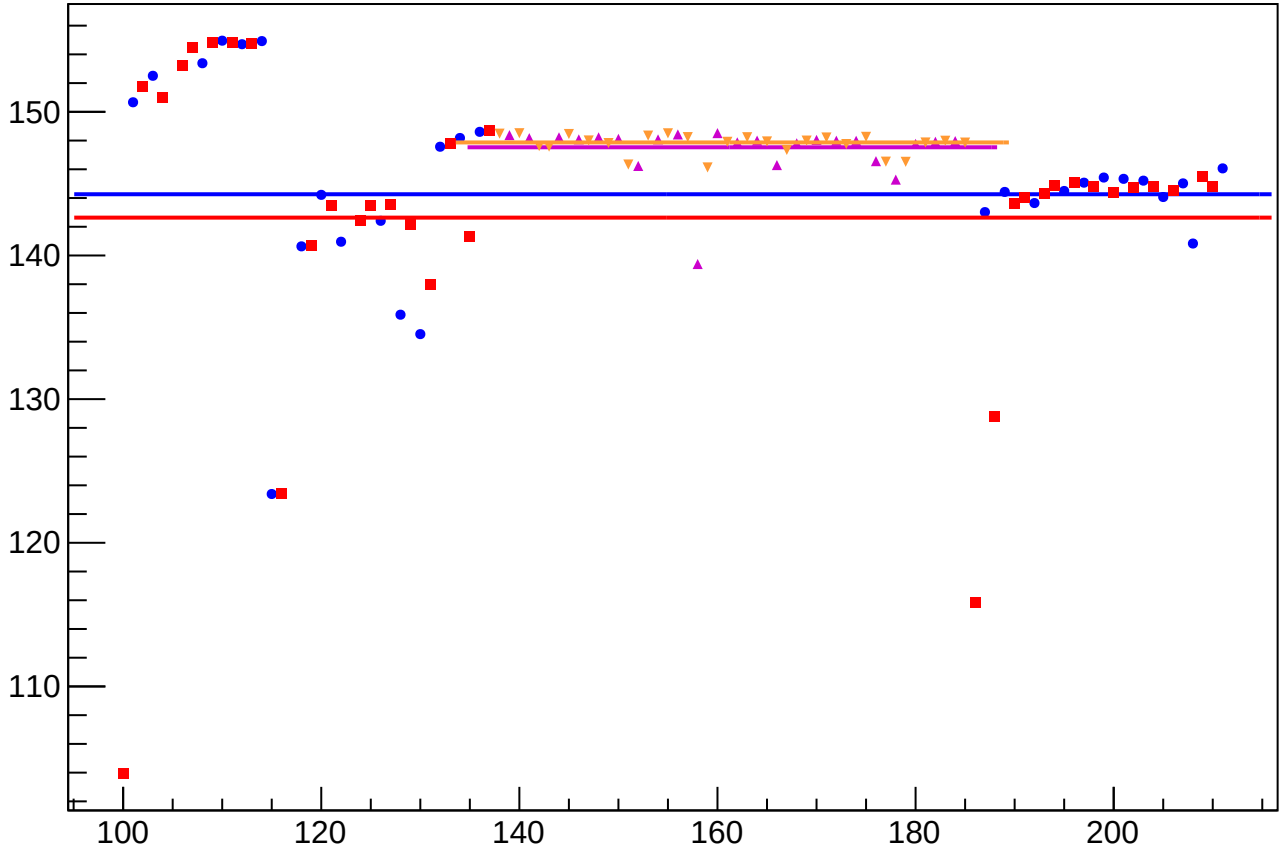
Right: 5244.451+/-0.651 χ^2/NDF: 219983.0/60

In: 4991.866+/-0.617 χ^2/NDF:387295.7/50

Out: 4975.805+/-0.593 χ^2/NDF:332271.9/57

All: 4983.519+/-0.428 χ^2/NDF: 719919.7/108

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.263+/-0.000 χ^2/NDF: 3815978340.7/27

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.636+/-0.000 χ^2/NDF: 7555632786.6/32

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

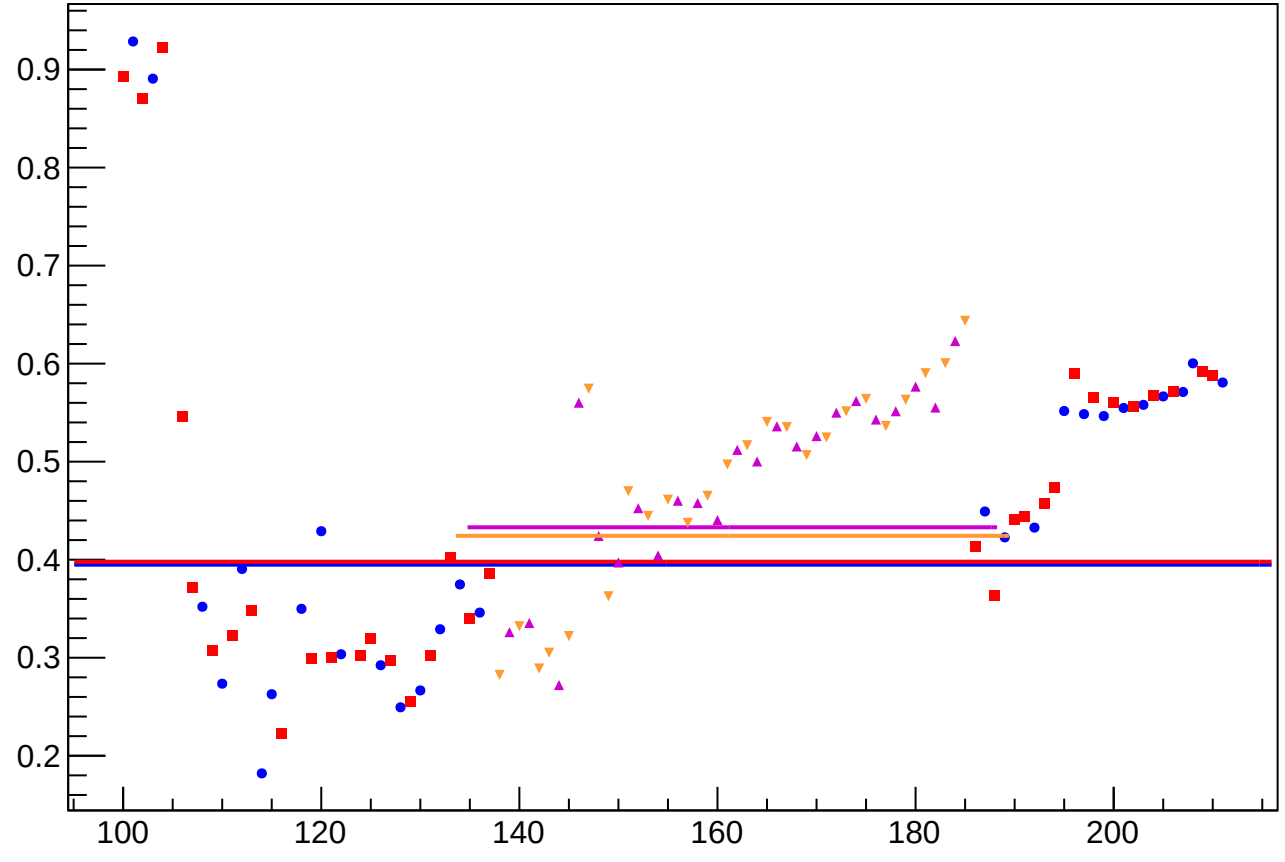
Right: 143.414+/-0.000 χ^2/NDF: 11495206459.5/60

In: 145.901+/-0.000 χ^2/NDF:4602459806.5/50

Out: 145.257+/-0.000 χ^2/NDF:8939597554.1/57

All: 145.566+/-0.000 χ^2/NDF: 13580872127.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 3383489.0/27

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.398+/-0.000 χ^2/NDF: 3265156.9/32

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

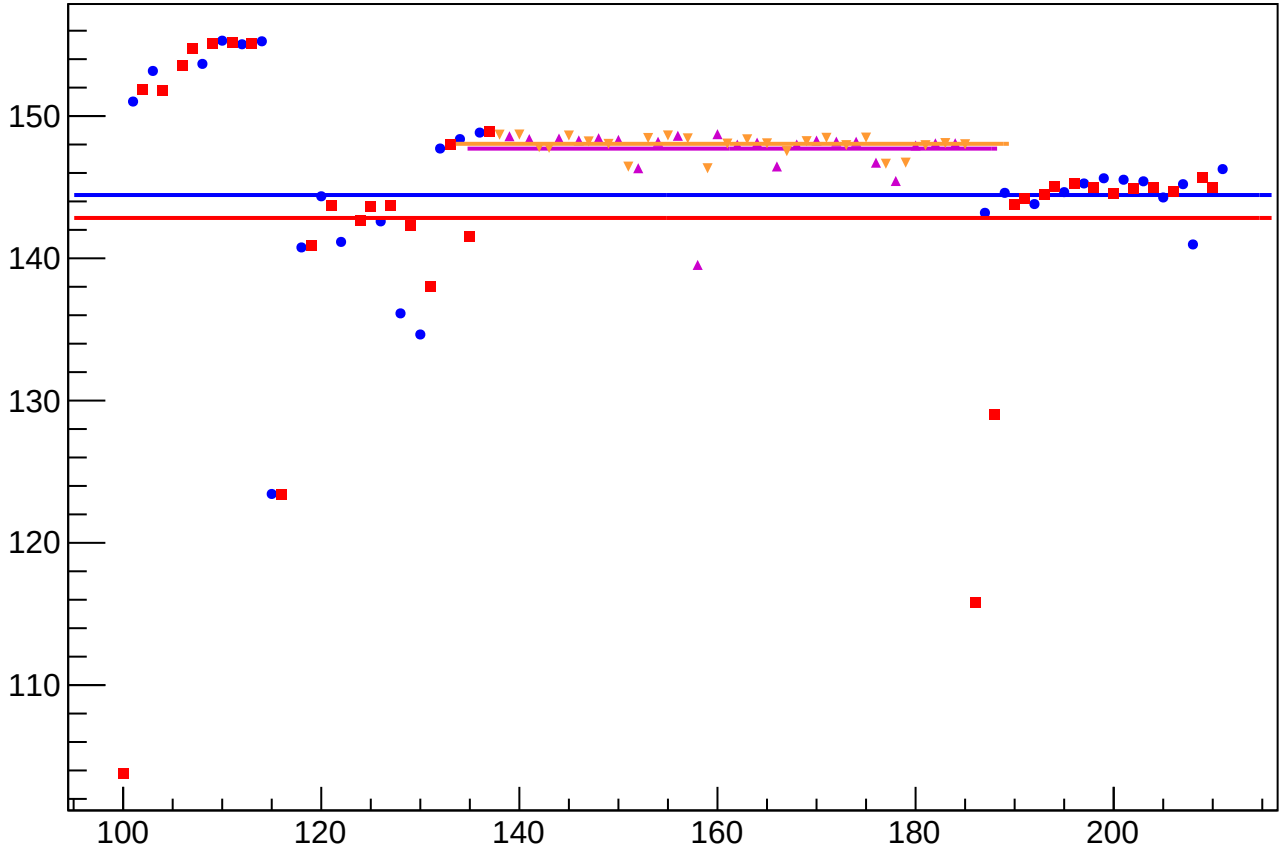
Right: 0.397+/-0.000 χ^2/NDF: 6649499.9/60

In: 0.414+/-0.000 χ^2/NDF:5285011.6/50

Out: 0.411+/-0.000 χ^2/NDF:5594075.4/57

All: 0.413+/-0.000 χ^2/NDF: 10880616.0/108

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.450+/-0.000 χ^2/NDF: 3810477835.8/27

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.837+/-0.000 χ^2/NDF: 7489932055.5/32

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

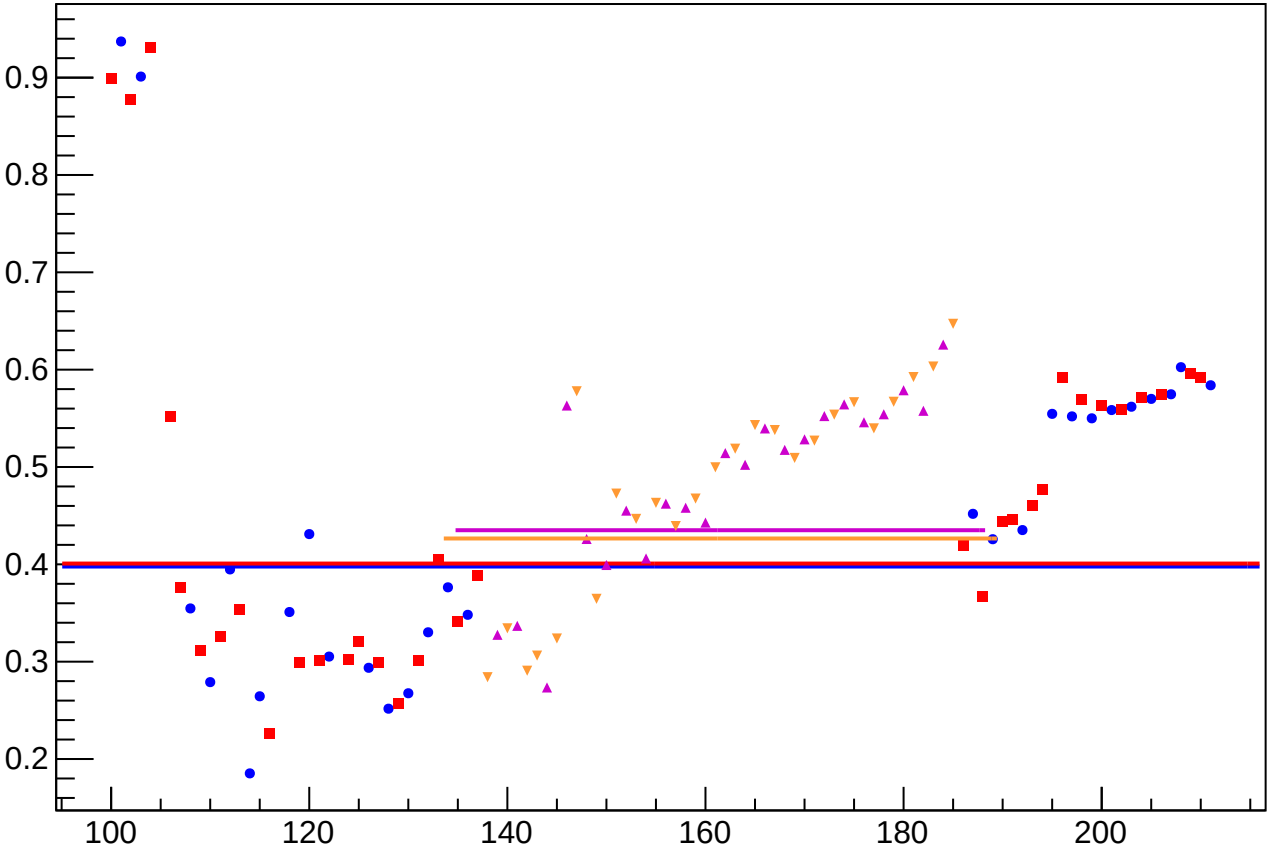
Right: 143.608+/-0.000 χ^2/NDF: 11420150718.5/60

In: 146.088+/-0.000 χ^2/NDF:4593850919.5/50

Out: 145.453+/-0.000 χ^2/NDF:8847299193.3/57

All: 145.757+/-0.000 χ^2/NDF: 13478457200.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.398+/-0.000 χ^2/NDF: 3369288.9/27

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.401+/-0.000 χ^2/NDF: 3258124.4/32

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

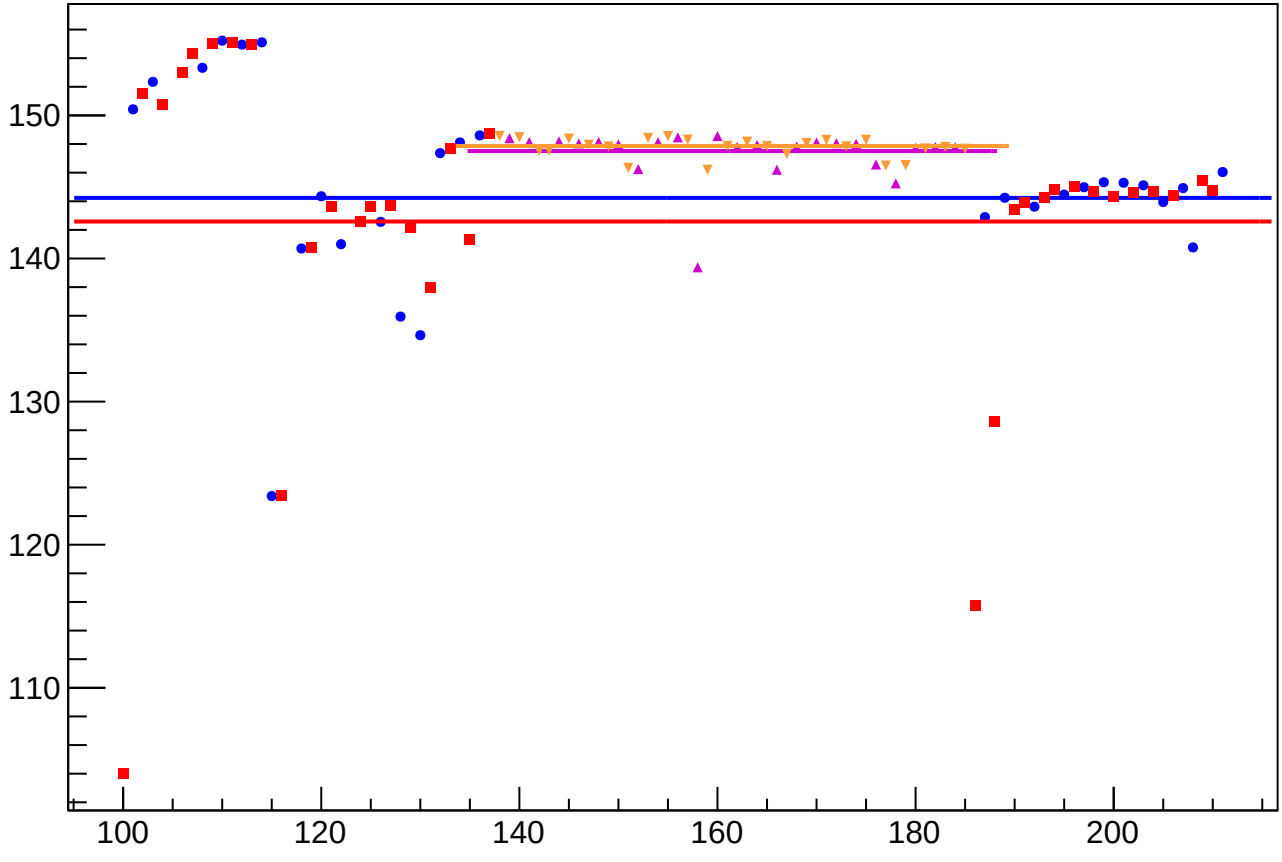
Right: 0.399+/-0.000 χ^2/NDF: 6628266.0/60

In: 0.416+/-0.000 χ^2/NDF:5262433.6/50

Out: 0.414+/-0.000 χ^2/NDF:5579735.1/57

All: 0.415+/-0.000 χ^2/NDF: 10843589.4/108

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.237+/-0.000 χ^2/NDF: 3774605446.4/27

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.586+/-0.000 χ^2/NDF: 7580302988.5/32

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

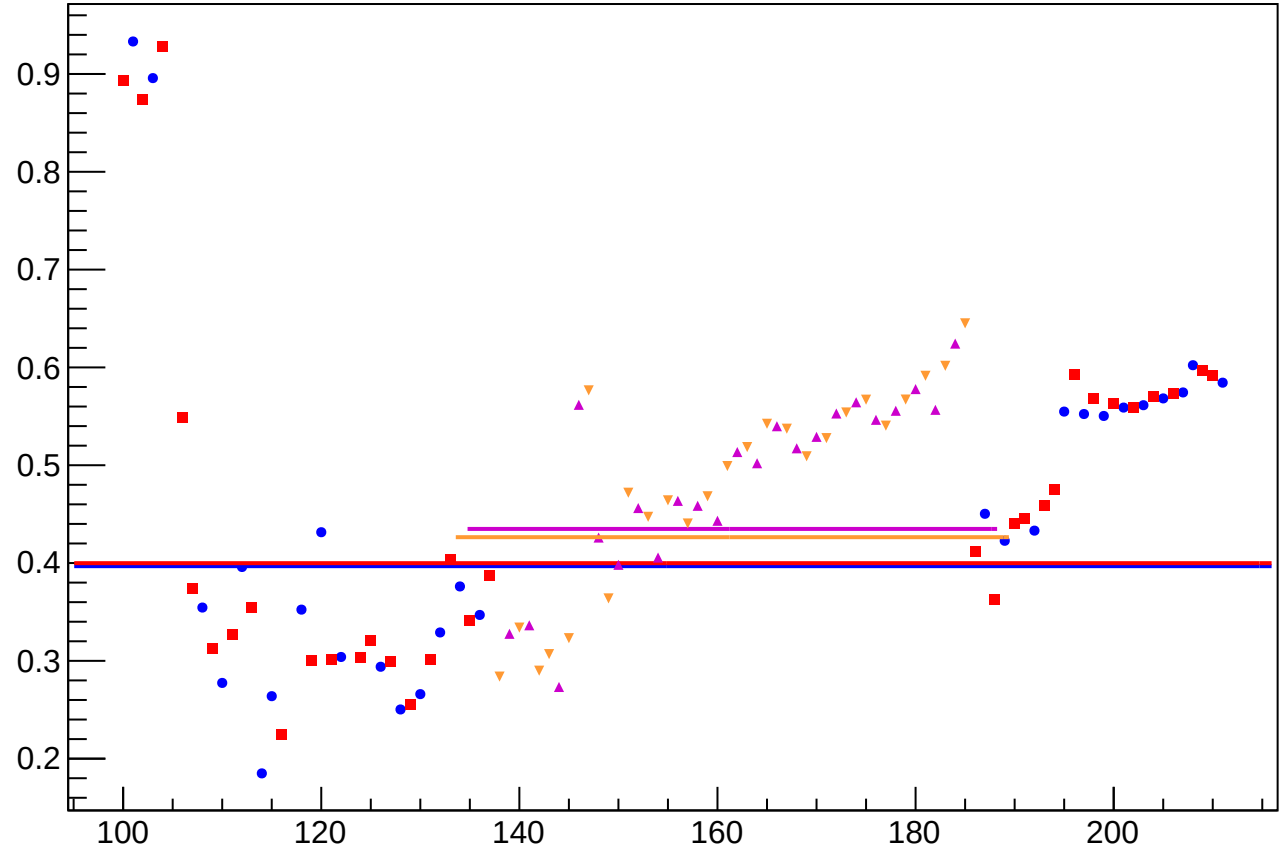
Right: 143.376+/-0.000 χ^2/NDF: 11481056475.5/60

In: 145.879+/-0.000 χ^2/NDF:4557478291.1/50

Out: 145.229+/-0.000 χ^2/NDF:8974631825.4/57

All: 145.540+/-0.000 χ^2/NDF: 13571307749.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.397+/-0.000 χ^2/NDF: 3385930.5/27

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.400+/-0.000 χ^2/NDF: 3260209.2/32

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

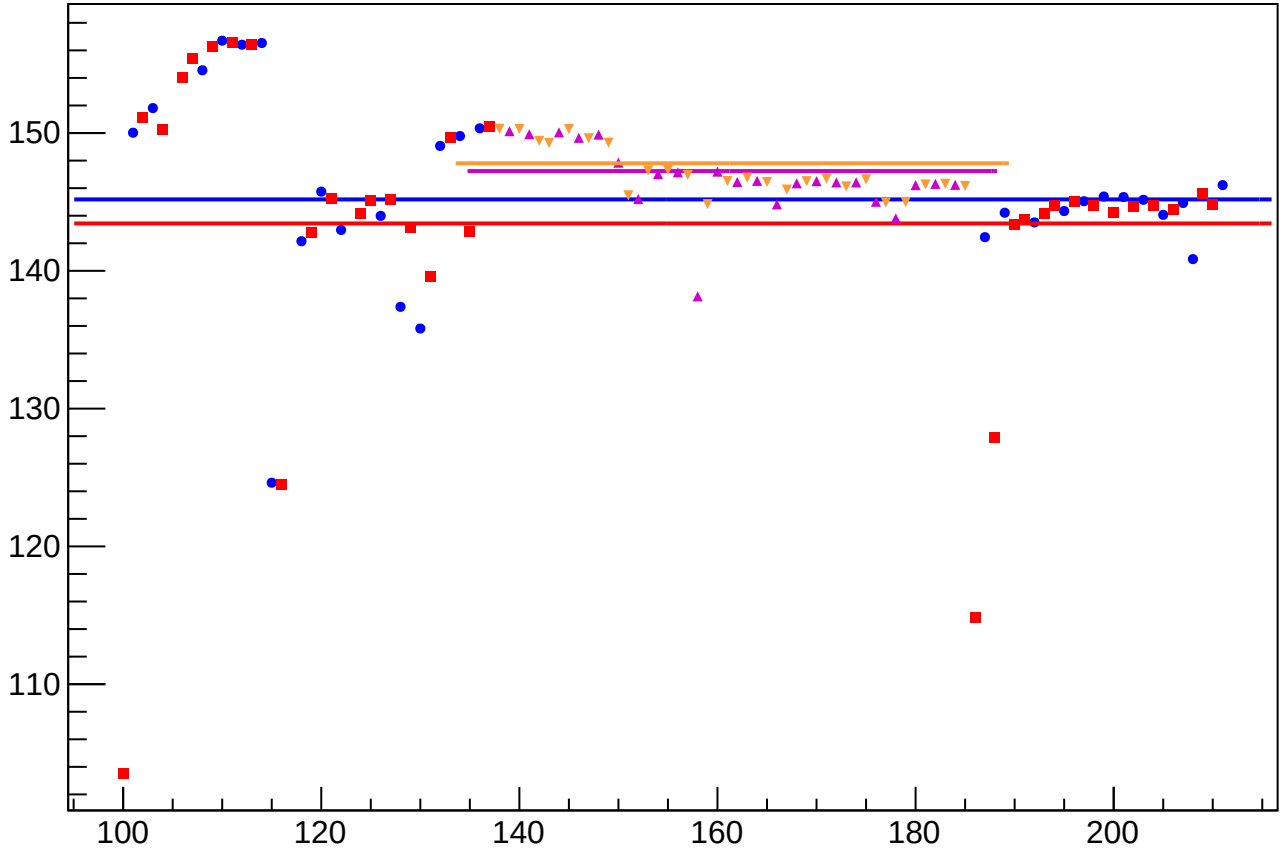
Right: 0.398+/-0.000 χ^2/NDF: 6647006.3/60

In: 0.416+/-0.000 χ^2/NDF:5289714.6/50

Out: 0.413+/-0.000 χ^2/NDF:5587726.4/57

All: 0.414+/-0.000 χ^2/NDF: 10878828.0/108

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.184+/-0.000 χ^2/NDF: 3563698664.5/27

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.438+/-0.000 χ^2/NDF: 7630745386.9/32

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

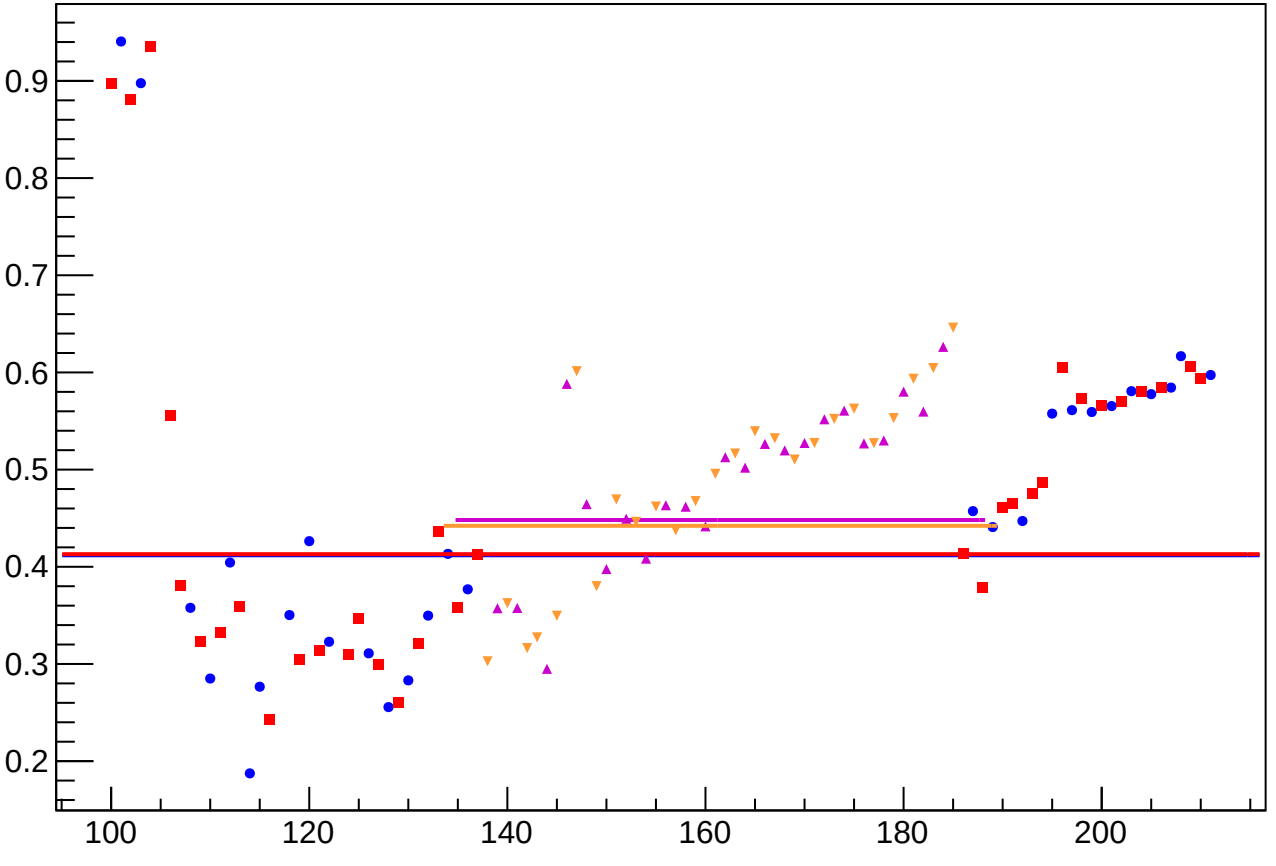
Right: 144.269+/-0.000 χ^2/NDF: 11326261488.2/60

In: 146.227+/-0.000 χ^2/NDF:4359671404.9/50

Out: 145.627+/-0.000 χ^2/NDF:8826870154.4/57

All: 145.915+/-0.000 χ^2/NDF: 13217959443.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.412+/-0.000 χ^2/NDF: 3206374.1/27

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.413+/-0.000 χ^2/NDF: 3096388.8/32

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

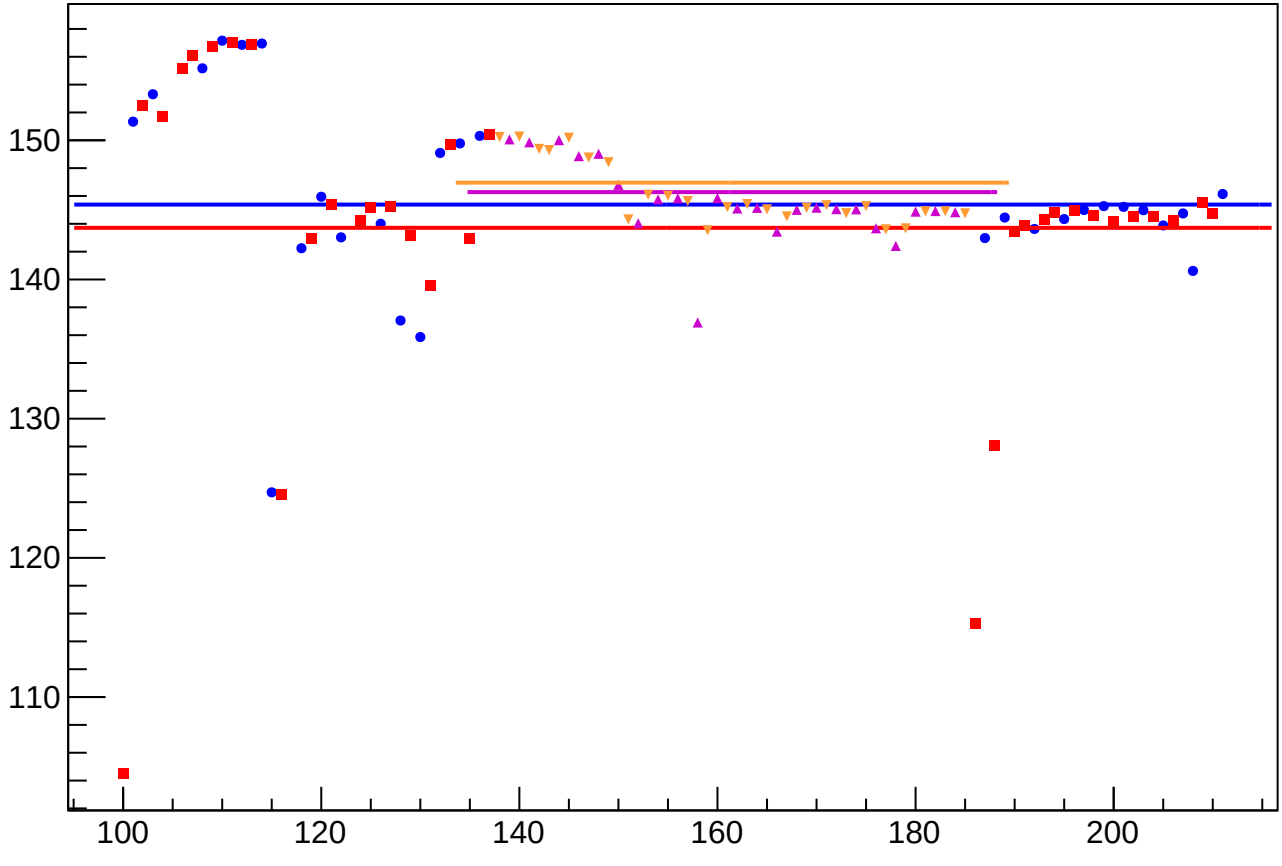
Right: 0.412+/-0.000 χ^2/NDF: 6302869.4/60

In: 0.430+/-0.000 χ^2/NDF:4664378.3/50

Out: 0.428+/-0.000 χ^2/NDF:4878295.8/57

All: 0.429+/-0.000 χ^2/NDF: 9543903.2/108

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.382+/-0.000 χ^2/NDF: 3722001893.5/27

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.712+/-0.000 χ^2/NDF: 7684159709.1/32

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

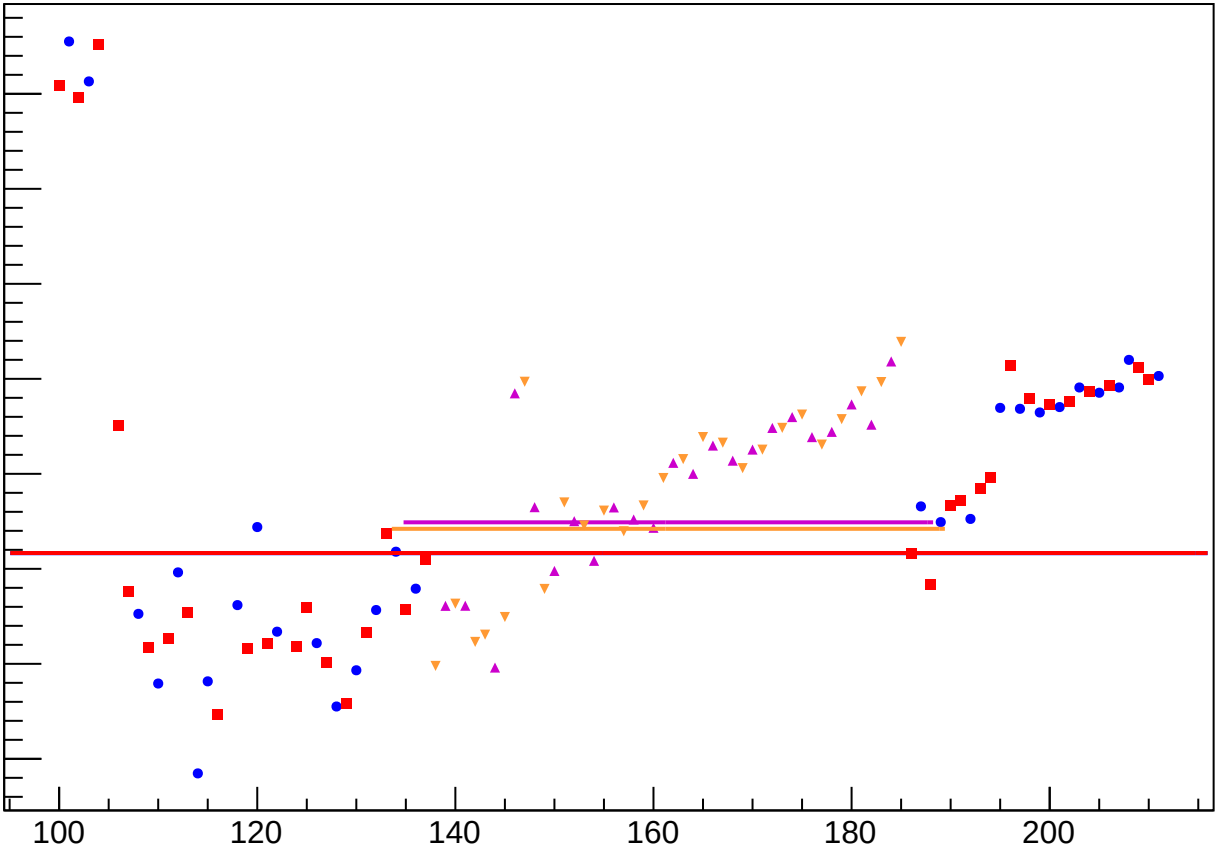
Right: 144.505+/-0.000 χ^2/NDF: 11524136317.2/60

In: 145.841+/-0.000 χ^2/NDF:4580324049.4/50

Out: 145.355+/-0.000 χ^2/NDF:8701851496.3/57

All: 145.587+/-0.000 χ^2/NDF: 13302573732.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.416+/-0.000 χ^2/NDF: 3239366.3/27

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.417+/-0.000 χ^2/NDF: 3124153.0/32

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

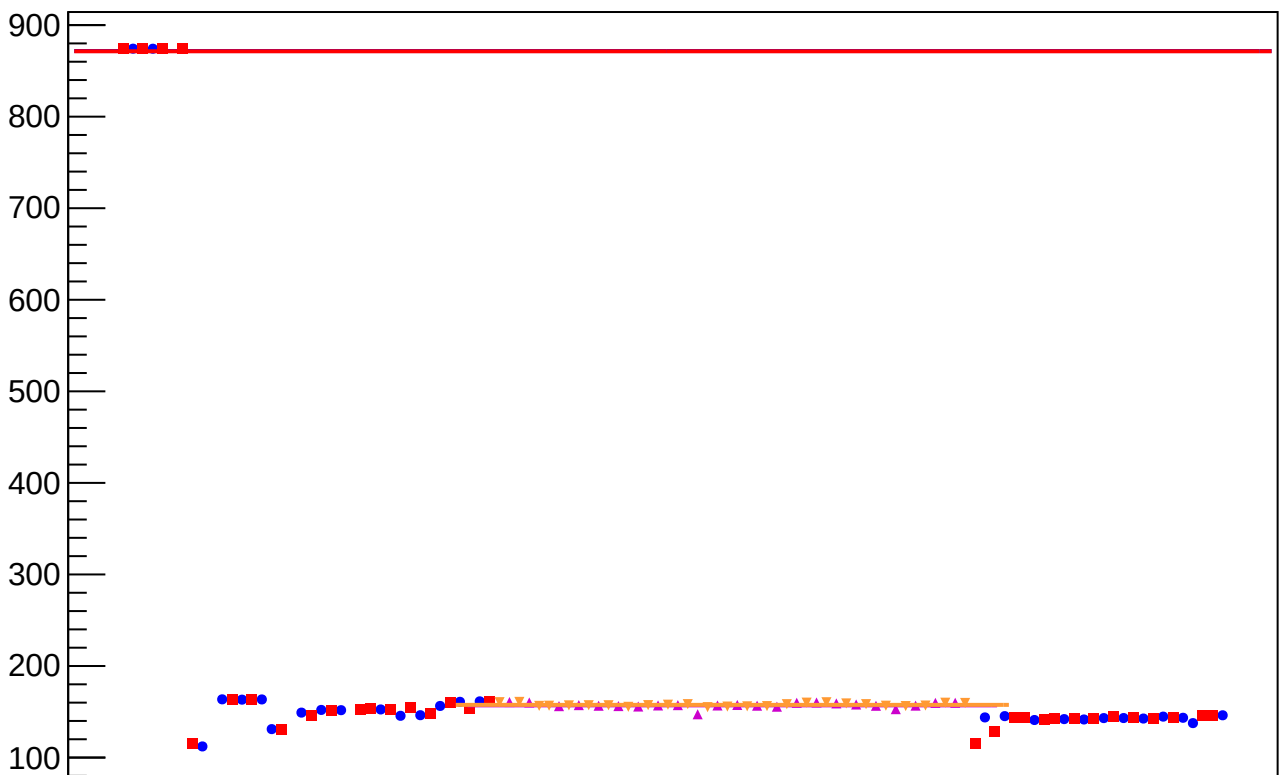
Right: 0.417+/-0.000 χ^2/NDF: 6363522.7/60

In: 0.433+/-0.000 χ^2/NDF:4627312.0/50

Out: 0.430+/-0.000 χ^2/NDF:4859378.6/57

All: 0.431+/-0.000 χ^2/NDF: 9488885.9/108

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.680+/-0.000 χ^2/NDF: 131304870531111.1/27

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.420+/-0.000 χ^2/NDF: 167244644368836.6/32

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

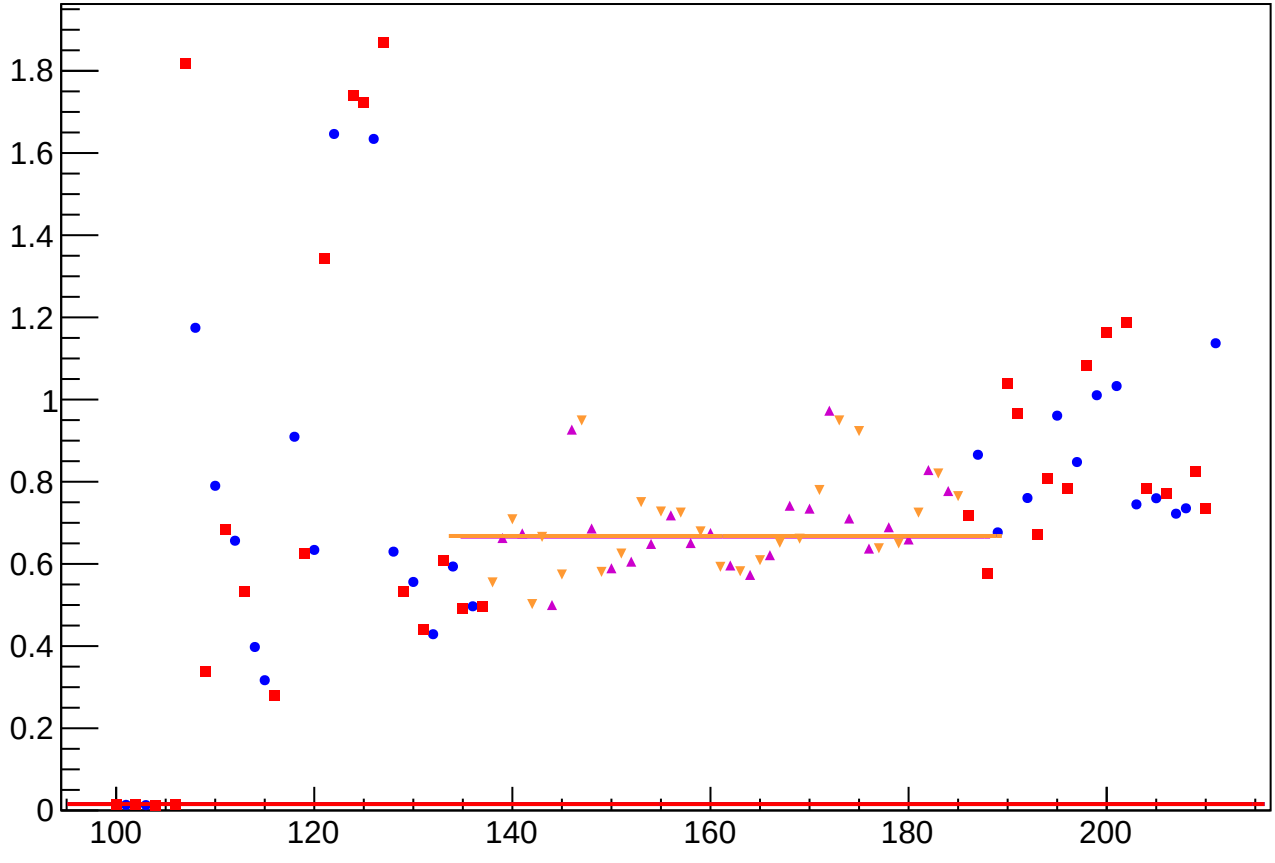
Right: 871.541+/-0.000 χ^2/NDF: 29855210986281.

In: 868.449+/-0.000 χ^2/NDF:29608644619626.2/

Out: 868.491+/-0.000 χ^2/NDF:33918890735557.8

All: 868.471+/-0.000 χ^2/NDF: 635275419095

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 24149488.7/27

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 26679628.4/32

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

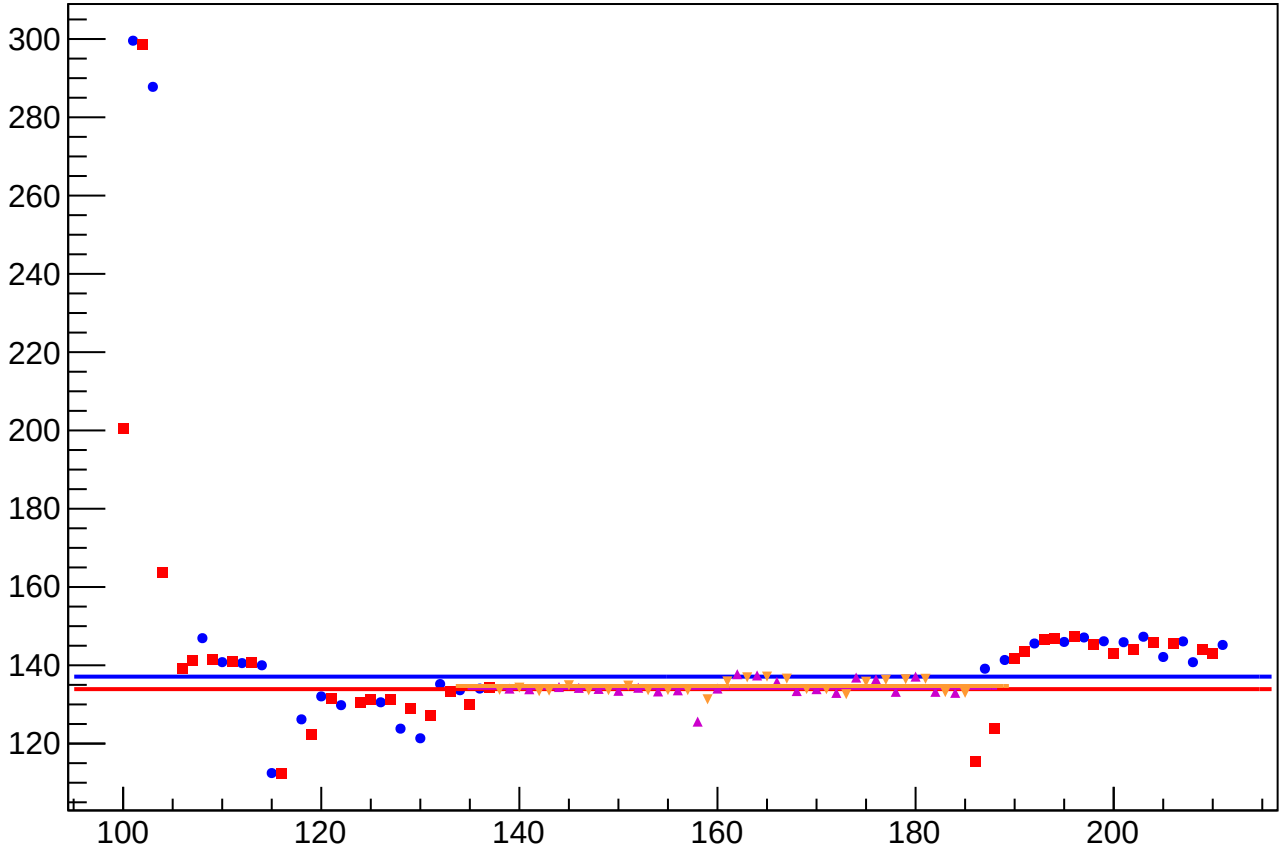
Right: 0.016+/-0.000 χ^2/NDF: 50829159.9/60

In: 0.019+/-0.000 χ^2/NDF:52017191.0/50

Out: 0.018+/-0.000 χ^2/NDF:56085829.5/57

All: 0.018+/-0.000 χ^2/NDF: 108103909.1/108

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 137.105+/-0.000 χ^2/NDF: 3526331066.6/27

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 133.913+/-0.000 χ^2/NDF: 5325305630.6/32

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

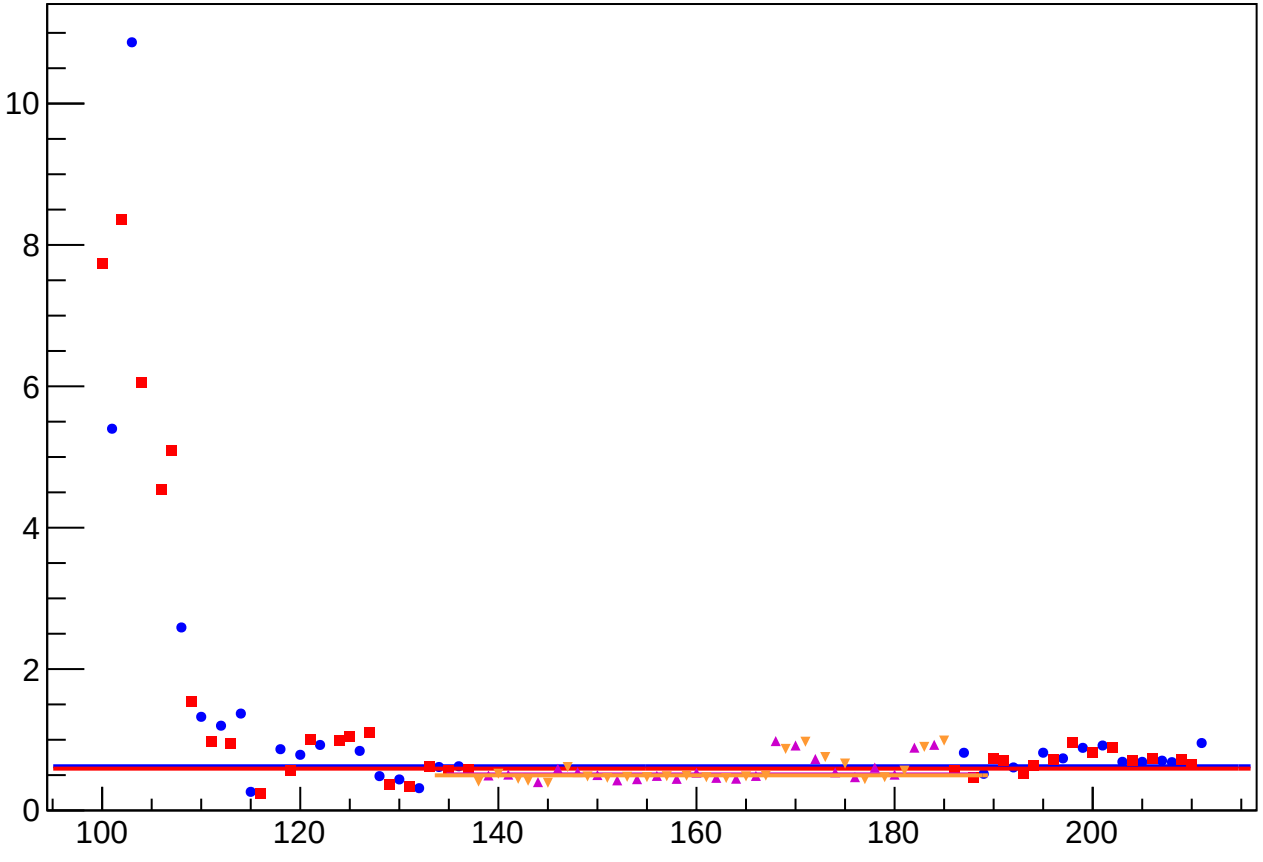
Right: 135.348+/-0.000 χ^2/NDF: 9010934431.3/60

In: 135.163+/-0.000 χ^2/NDF:4125330171.7/50

Out: 134.440+/-0.000 χ^2/NDF:5499871796.9/57

All: 134.777+/-0.000 χ^2/NDF: 9649980591.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.625+/-0.000 χ^2/NDF: 5059883.4/27

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.592+/-0.000 χ^2/NDF: 6016858.5/32

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

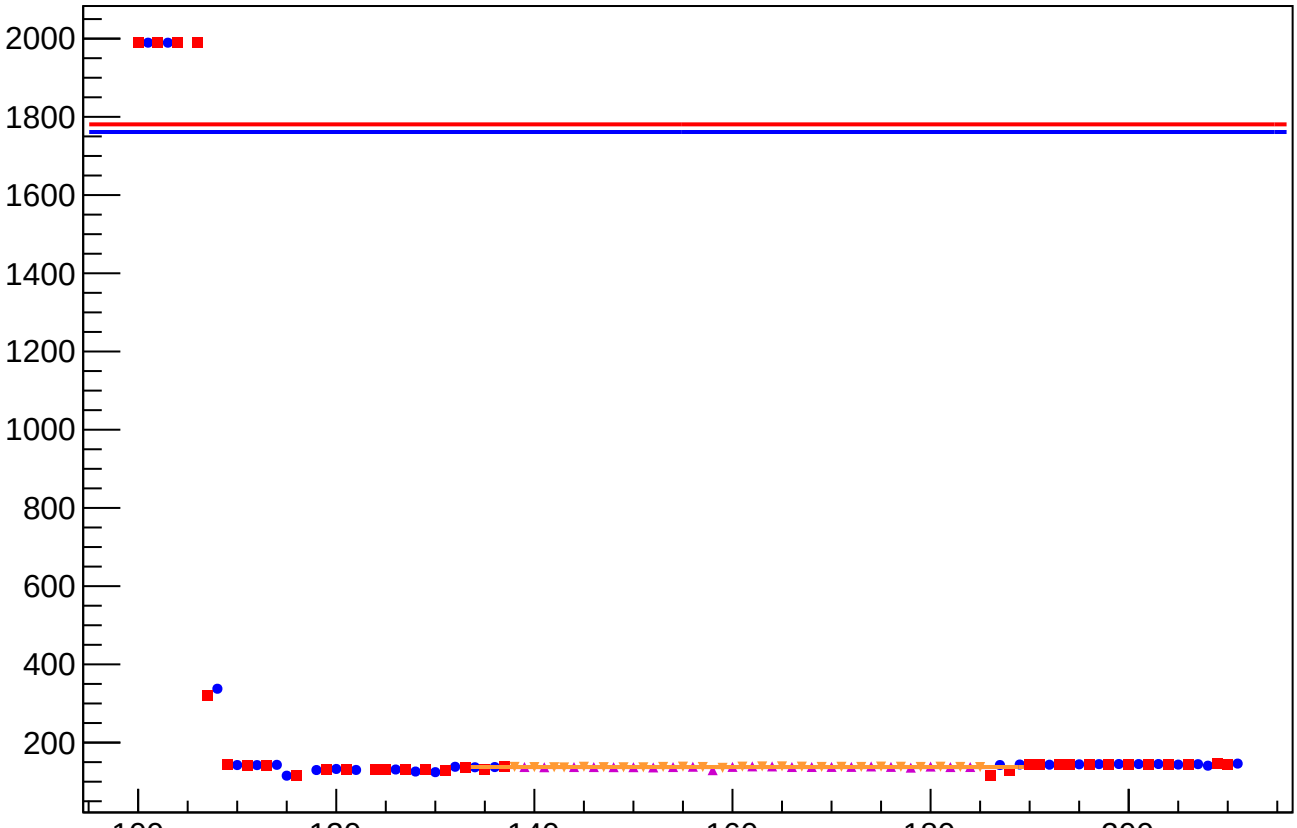
Right: 0.607+/-0.000 χ^2/NDF: 11111905.0/60

In: 0.547+/-0.000 χ^2/NDF:7061209.1/50

Out: 0.529+/-0.000 χ^2/NDF:7999629.0/57

All: 0.537+/-0.000 χ^2/NDF: 15089013.1/108

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1761.259+/-0.000 χ^2/NDF: 221849243927865.0/27

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1780.793+/-0.000 χ^2/NDF: 240643317622397.4/32

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

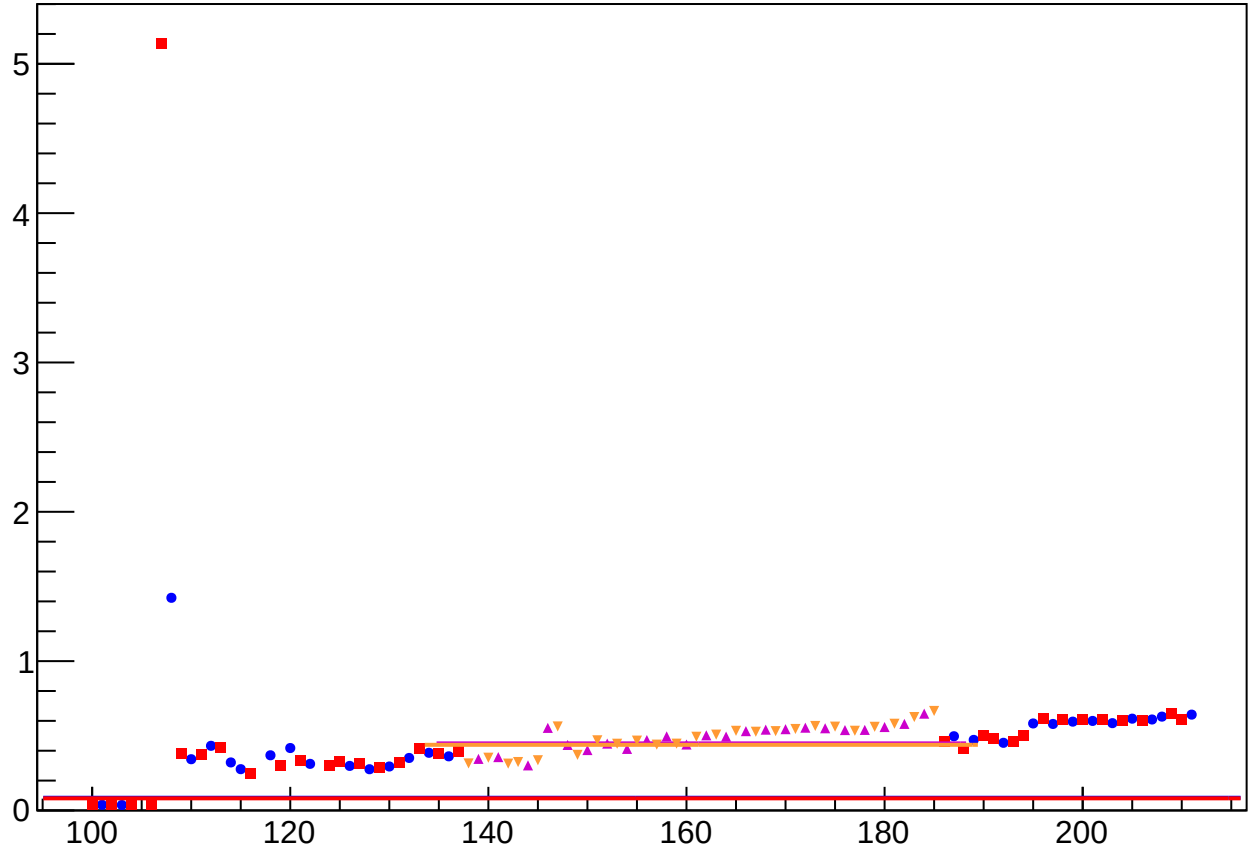
Right: 1771.797+/-0.000 χ^2/NDF: 46261566339065

In: 1559.415+/-0.000 χ^2/NDF:417866789942742.

Out: 1588.489+/-0.000 χ^2/NDF:462001504444167

All: 1575.039+/-0.000 χ^2/NDF: 8801785148

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.085+/-0.000 χ^2/NDF: 21817640.3/27

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 23531098.4/32

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

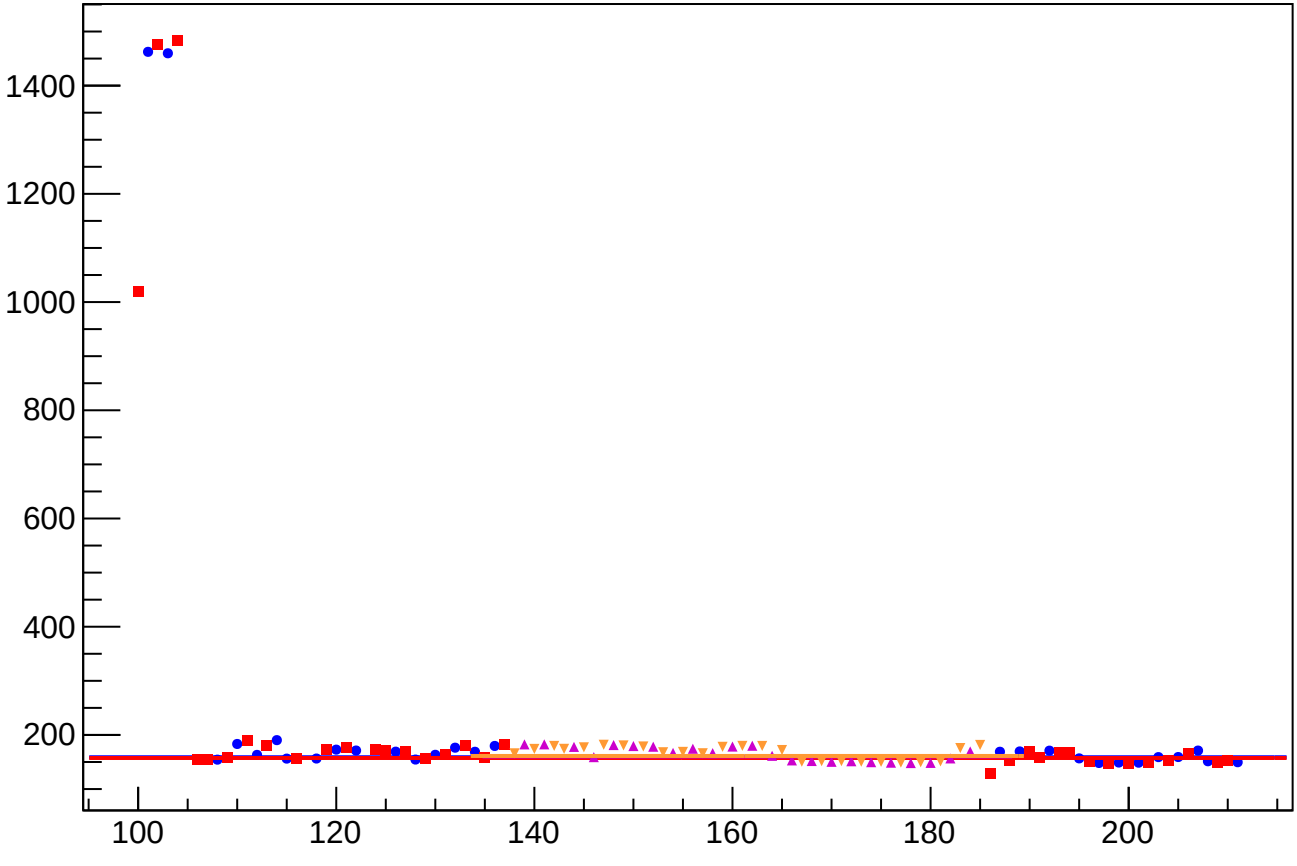
Right: 0.083+/-0.000 χ^2/NDF: 45358942.9/60

In: 0.130+/-0.000 χ^2/NDF:42872384.0/50

Out: 0.123+/-0.000 χ^2/NDF:46360148.1/57

All: 0.126+/-0.000 χ^2/NDF: 89271576.5/108

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.758+/-0.000 χ^2/NDF: 15982747548.5/27

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.433+/-0.000 χ^2/NDF: 18332273534.6/32

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

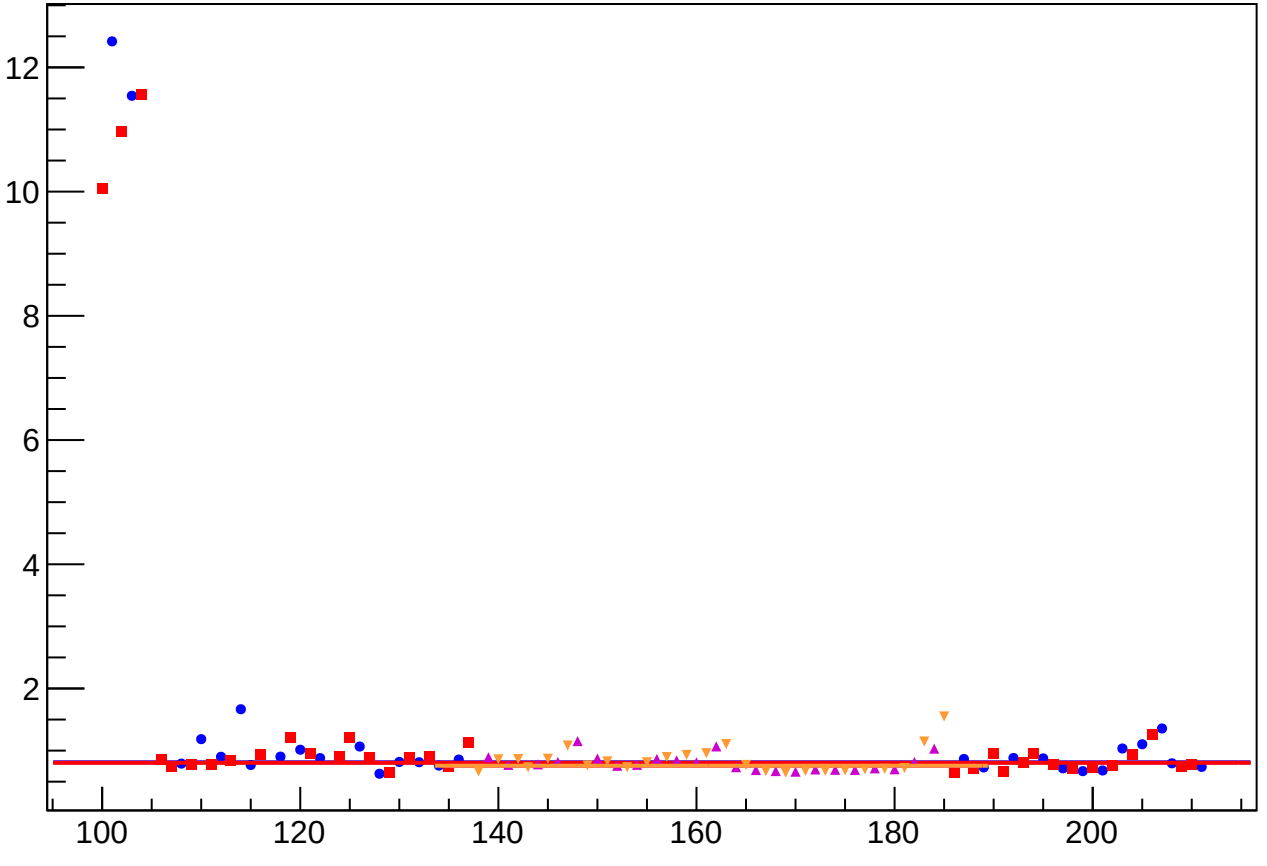
Right: 158.051+/-0.000 χ^2/NDF: 34330947570.4/60

In: 159.561+/-0.000 χ^2/NDF:19739985265.6/50

Out: 159.503+/-0.000 χ^2/NDF:22221045609.6/57

All: 159.531+/-0.000 χ^2/NDF: 41961102207.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.811+/-0.000 χ^2/NDF: 2871044.1/27

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.804+/-0.000 χ^2/NDF: 2627741.2/32

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

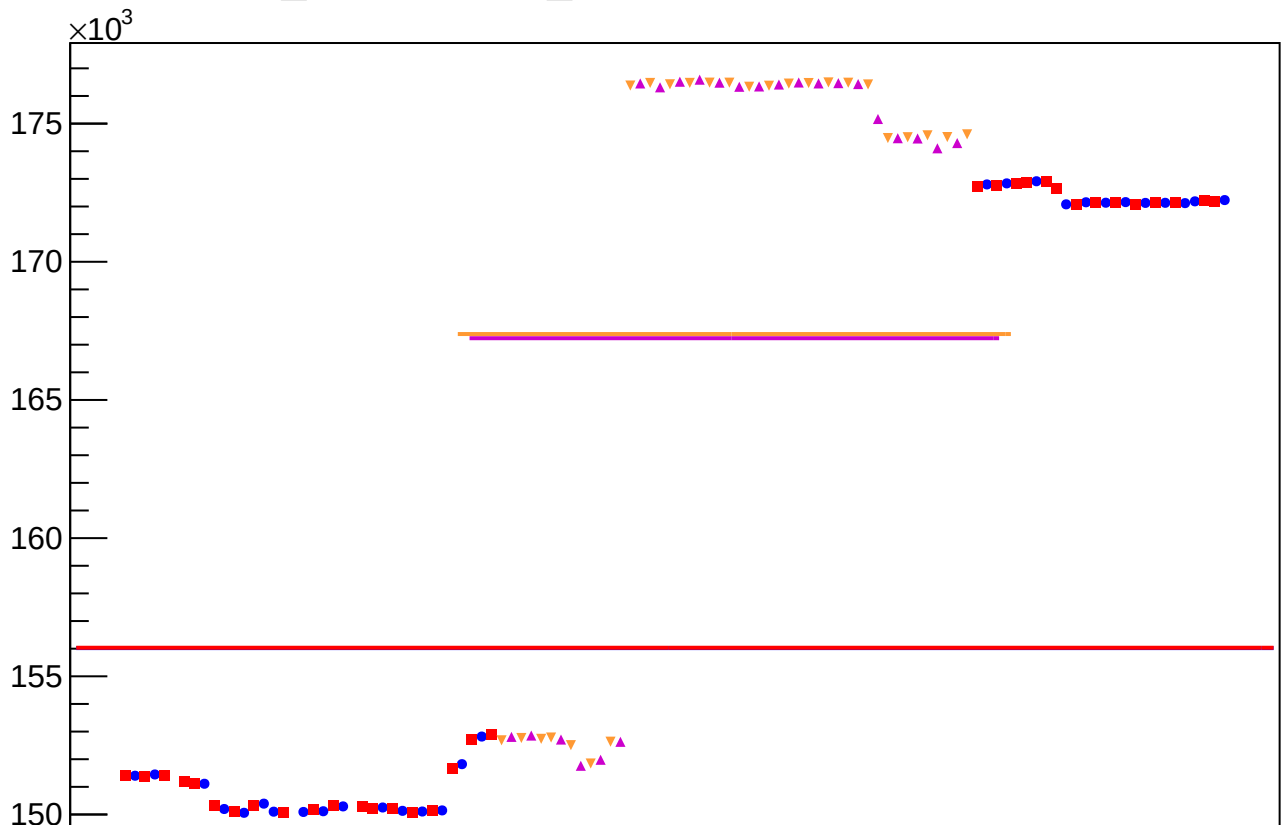
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.807+/-0.000 χ^2/NDF: 5499692.8/60

In: 0.779+/-0.000 χ^2/NDF:3404989.2/50

Out: 0.777+/-0.000 χ^2/NDF:3427387.7/57

All: 0.778+/-0.000 χ^2/NDF: 6832449.5/108



Right In: 156021.002+/-0.047 χ^2/NDF: 39966994544.6/27

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156033.567+/-0.044 χ^2/NDF: 46141816016.7/32

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

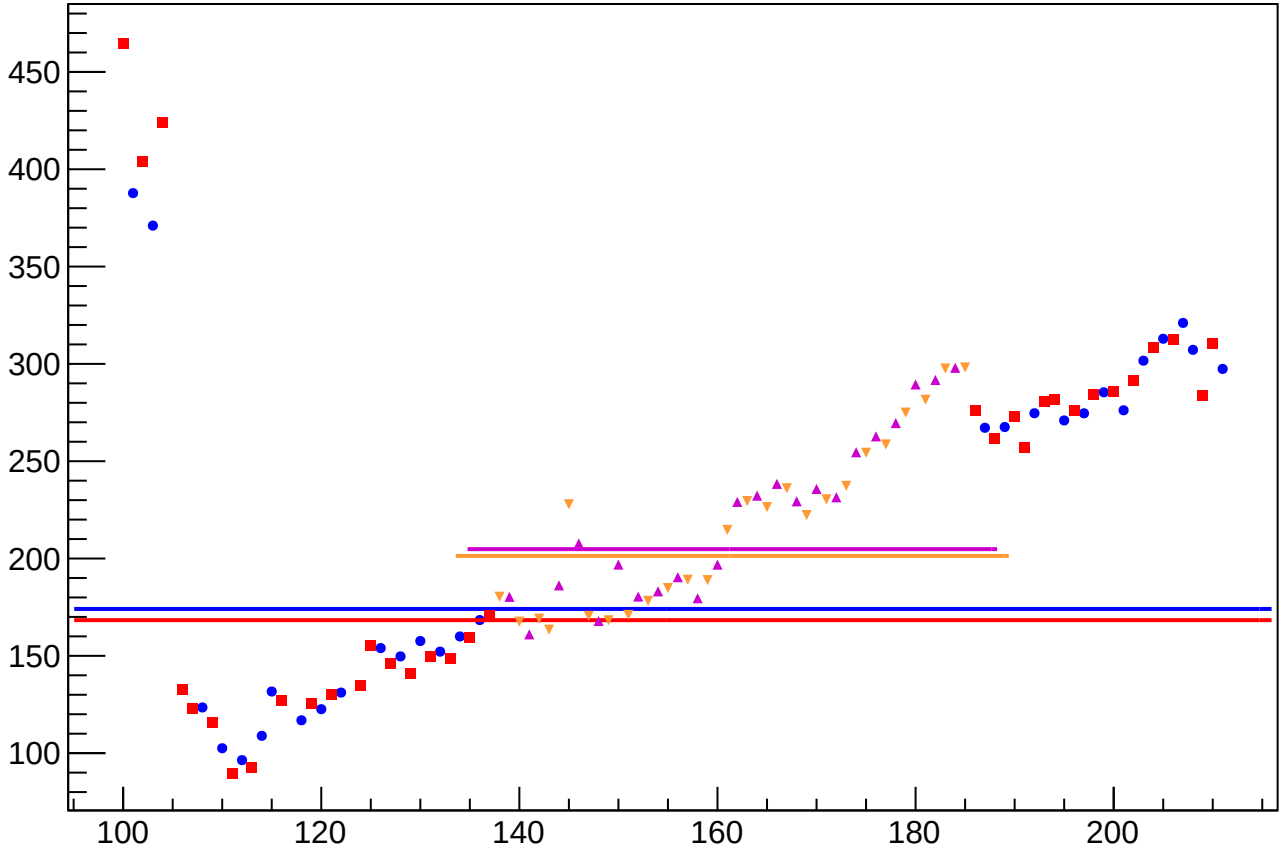
Right: 156027.715+/-0.032 χ^2/NDF: 86108848318.

In: 161440.289+/-0.034 χ^2/NDF:122269034736.4

Out: 161384.372+/-0.032 χ^2/NDF:136937846512.

All: 161410.732+/-0.023 χ^2/NDF: 25920831

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 174.099+/-0.033 χ^2/NDF: 5384840.1/27

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 168.331+/-0.031 χ^2/NDF: 6391218.3/32

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

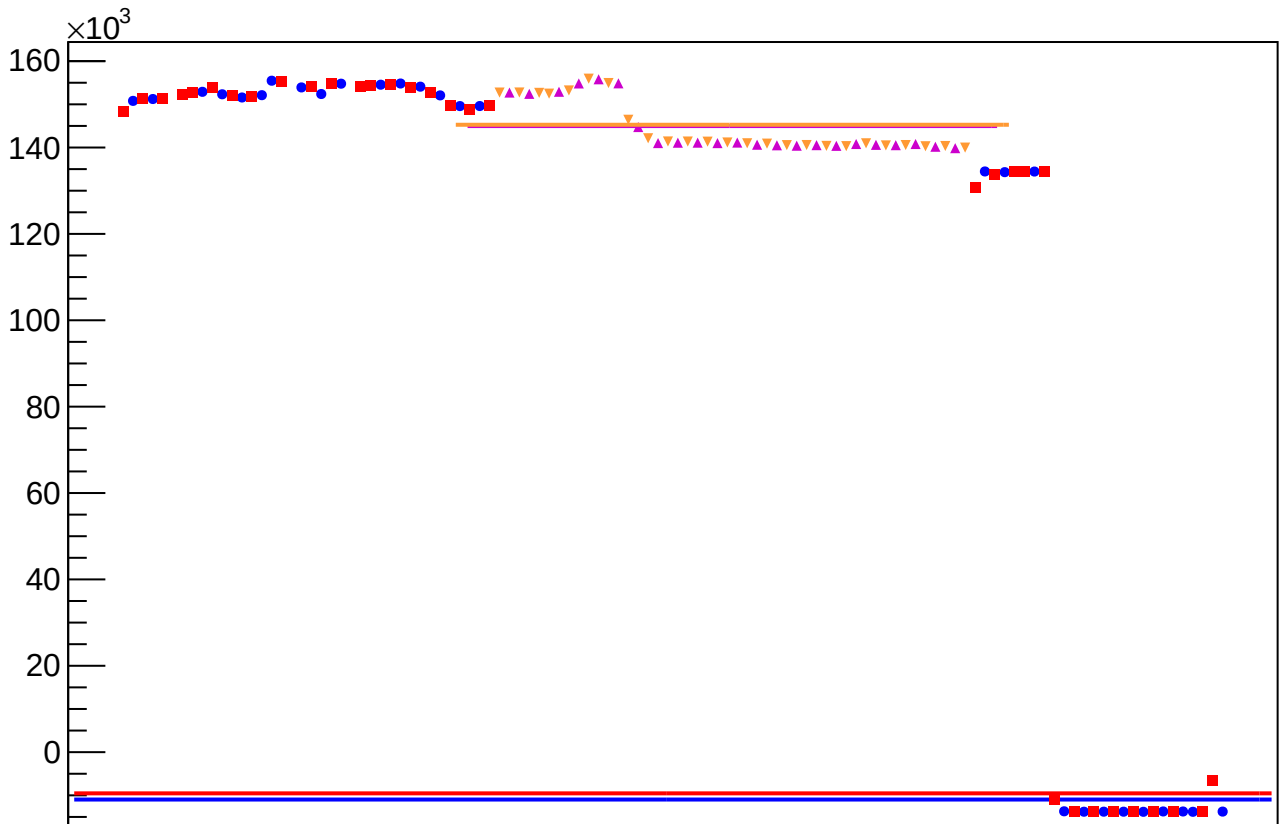
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 171.017+/-0.023 χ^2/NDF: 11791975.4/60

In: 188.949+/-0.024 χ^2/NDF:6846494.0/50

Out: 183.884+/-0.023 χ^2/NDF:8149015.9/57

All: 186.272+/-0.016 χ^2/NDF: 15019004.1/10



Right In: -10970.868+/-0.009 χ^2/NDF: 5881610317937.0/27

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9538.702+/-0.009 χ^2/NDF: 7135883444738.4/32

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

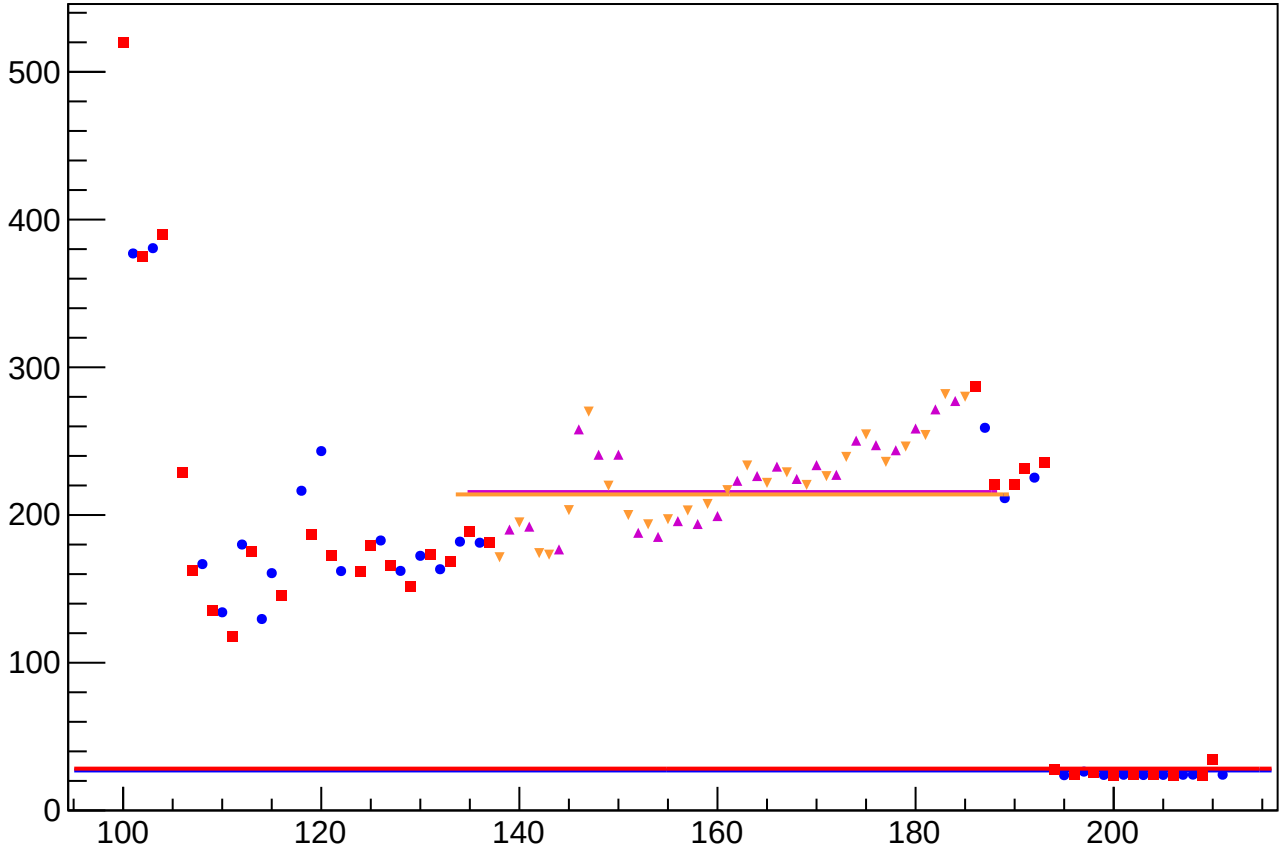
Right: -10305.033+/-0.006 χ^2/NDF: 130299523175

In: -6547.696+/-0.009 χ^2/NDF:14906138116187.5

Out: -4142.431+/-0.009 χ^2/NDF:16632602530011

All: -5425.440+/-0.006 χ^2/NDF: 3157503667

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.080+/-0.006 χ^2/NDF: 12689106.3/27

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.306+/-0.007 χ^2/NDF: 14450120.5/32

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

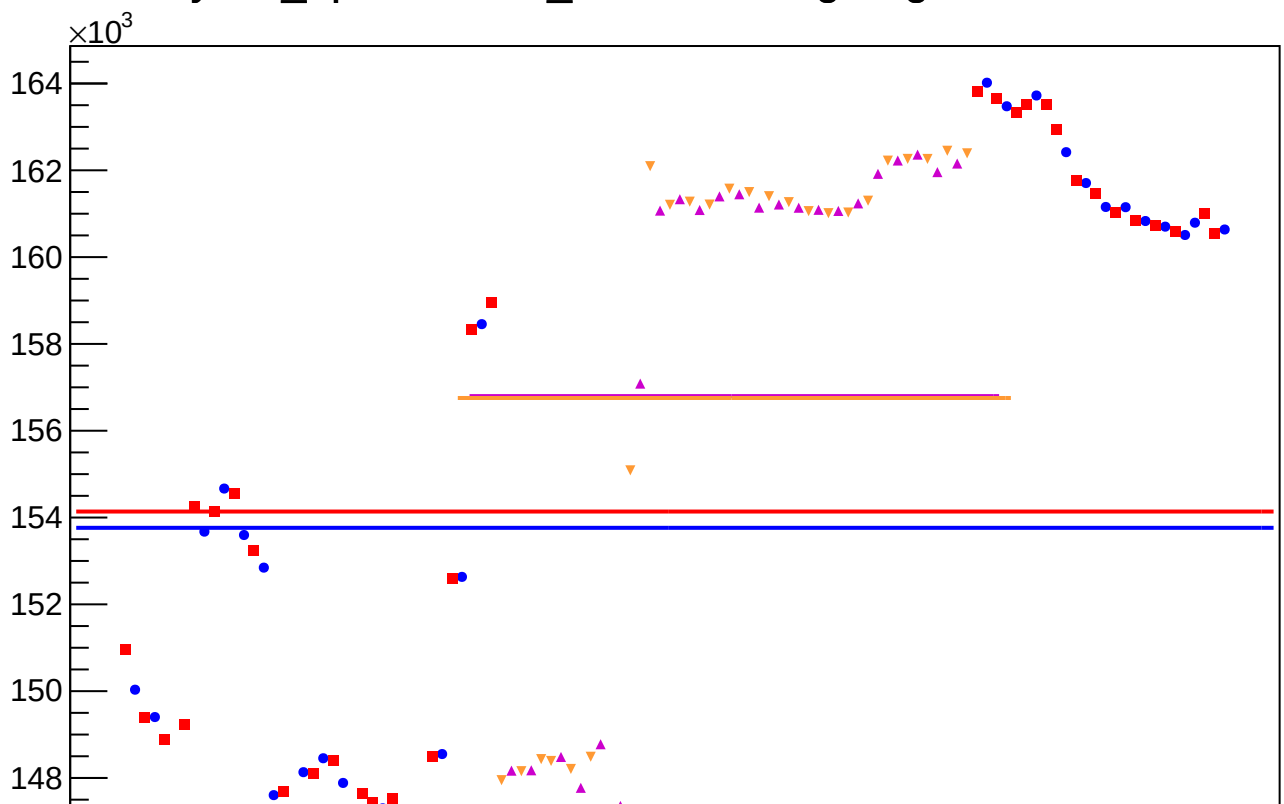
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.650+/-0.005 χ^2/NDF: 27157508.2/60

In: 32.425+/-0.006 χ^2/NDF:39613831.6/50

Out: 34.778+/-0.007 χ^2/NDF:42374895.4/57

All: 33.523+/-0.004 χ^2/NDF: 82058153.0/108



Right In: 153763.237+/-0.053 χ^2/NDF: 11770882858.4/27

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154138.328+/-0.051 χ^2/NDF: 12877830411.6/32

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

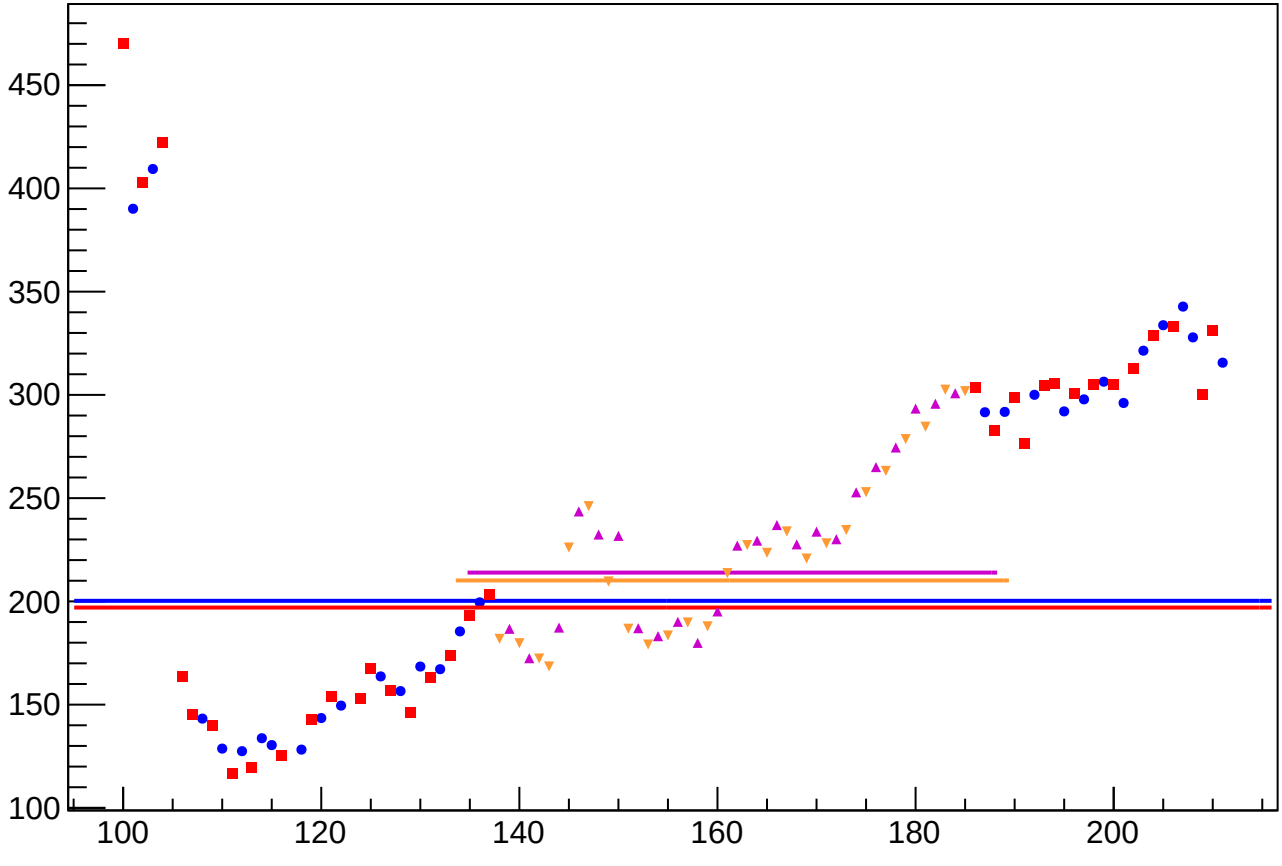
Right: 153960.603+/-0.037 χ^2/NDF: 24674614061.

In: 155353.558+/-0.037 χ^2/NDF:27803540604.9/5

Out: 155501.360+/-0.035 χ^2/NDF:30643979597.0

All: 155431.099+/-0.025 χ^2/NDF: 58455944

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 200.271+/-0.038 χ^2/NDF: 4482614.6/27

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 197.019+/-0.036 χ^2/NDF: 5095237.8/32

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

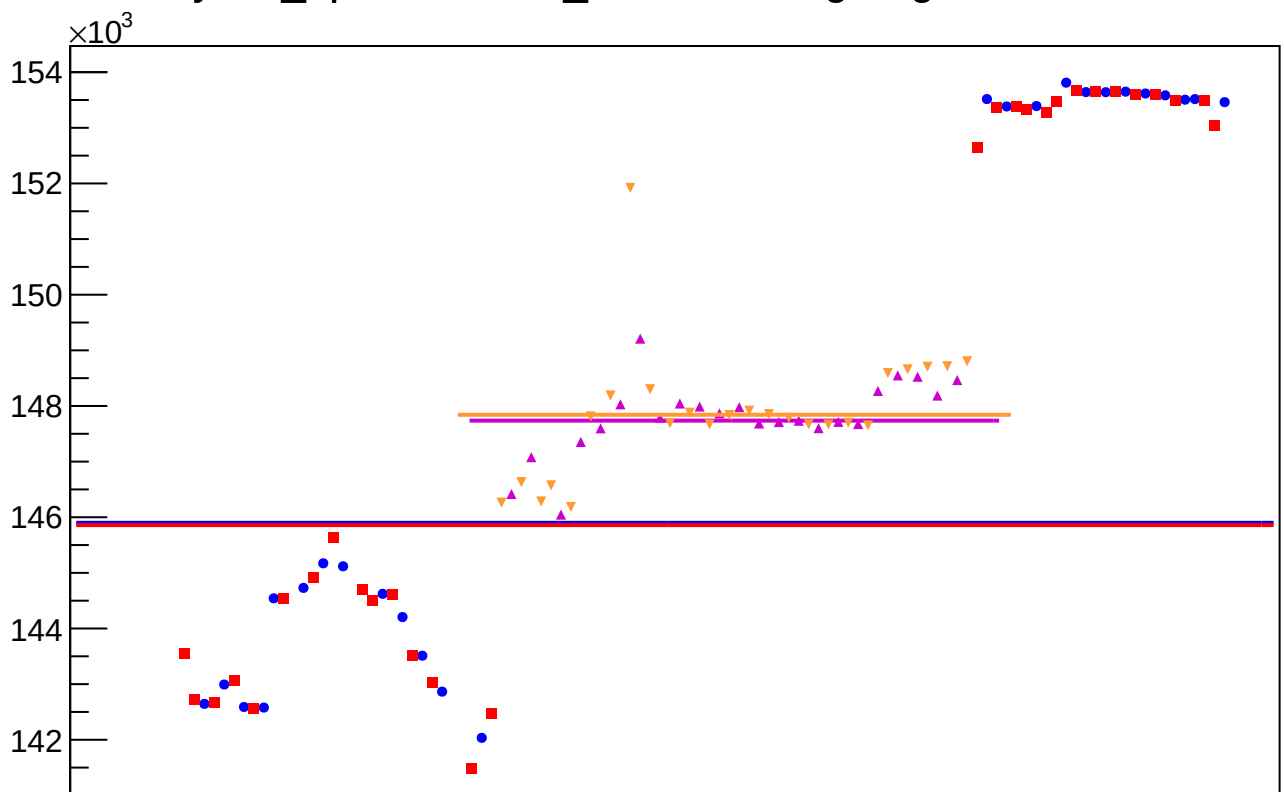
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 198.560+/-0.026 χ^2/NDF: 9581745.4/60

In: 207.437+/-0.026 χ^2/NDF:5465648.3/50

Out: 203.857+/-0.025 χ^2/NDF:6162770.3/57

All: 205.559+/-0.018 χ^2/NDF: 11638302.1/10



Right In: 145899.858+/-0.046 χ^2/NDF: 9932265428.9/27

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145858.748+/-0.043 χ^2/NDF: 11199088727.4/32

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

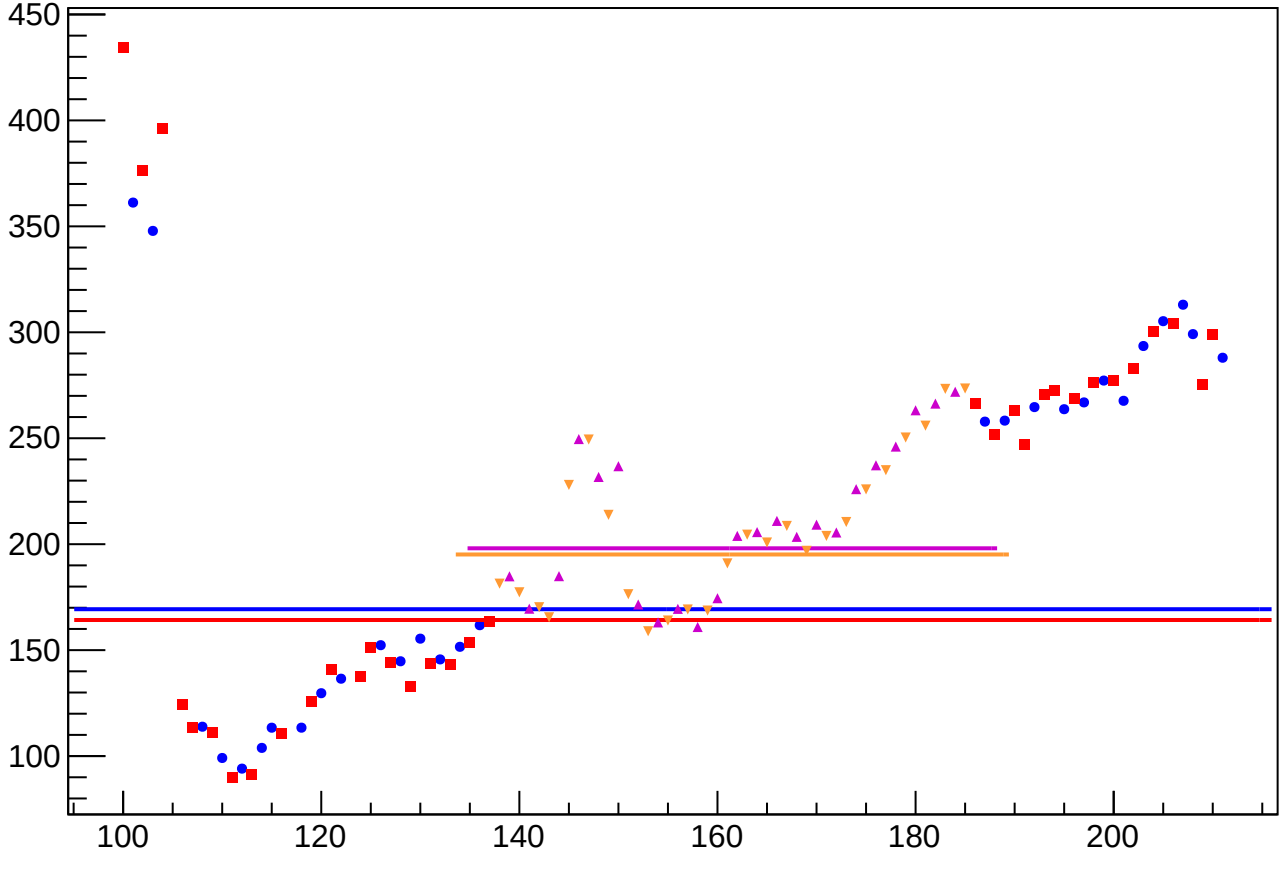
Right: 145877.918+/-0.031 χ^2/NDF: 21131781267.8

In: 146794.049+/-0.033 χ^2/NDF:10937130713.4/5

Out: 146801.479+/-0.031 χ^2/NDF:12925564706.5/

All: 146797.973+/-0.023 χ^2/NDF: 23862722

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 169.317+/-0.032 χ^2/NDF: 5330965.7/27

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 164.221+/-0.030 χ^2/NDF: 6236702.2/32

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

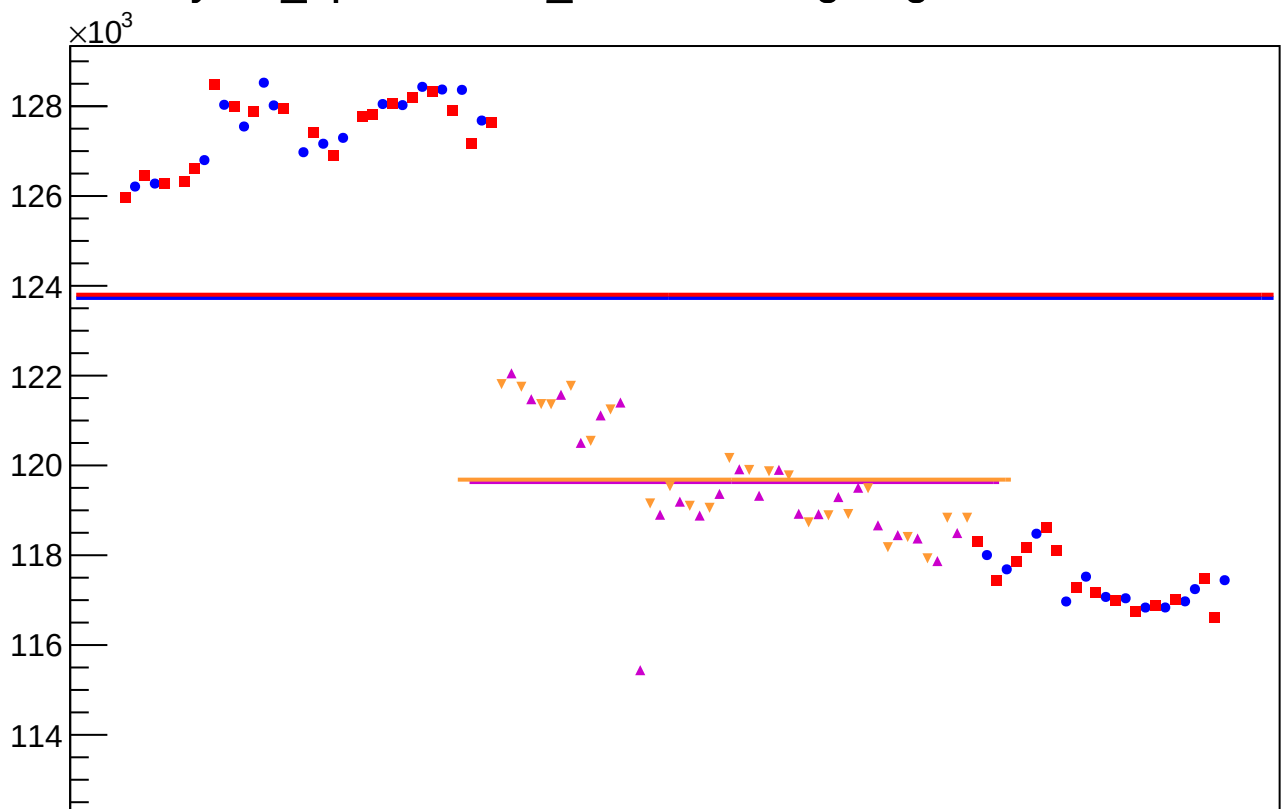
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 166.597+/-0.022 χ^2/NDF: 11580793.0/60

In: 183.307+/-0.023 χ^2/NDF:6612140.6/50

Out: 178.920+/-0.022 χ^2/NDF:7633415.7/57

All: 180.990+/-0.016 χ^2/NDF: 14264322.9/10



Right In: 123730.372+/-0.046 χ^2/NDF: 12249484528.0/27

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123802.141+/-0.043 χ^2/NDF: 13676333145.0/32

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

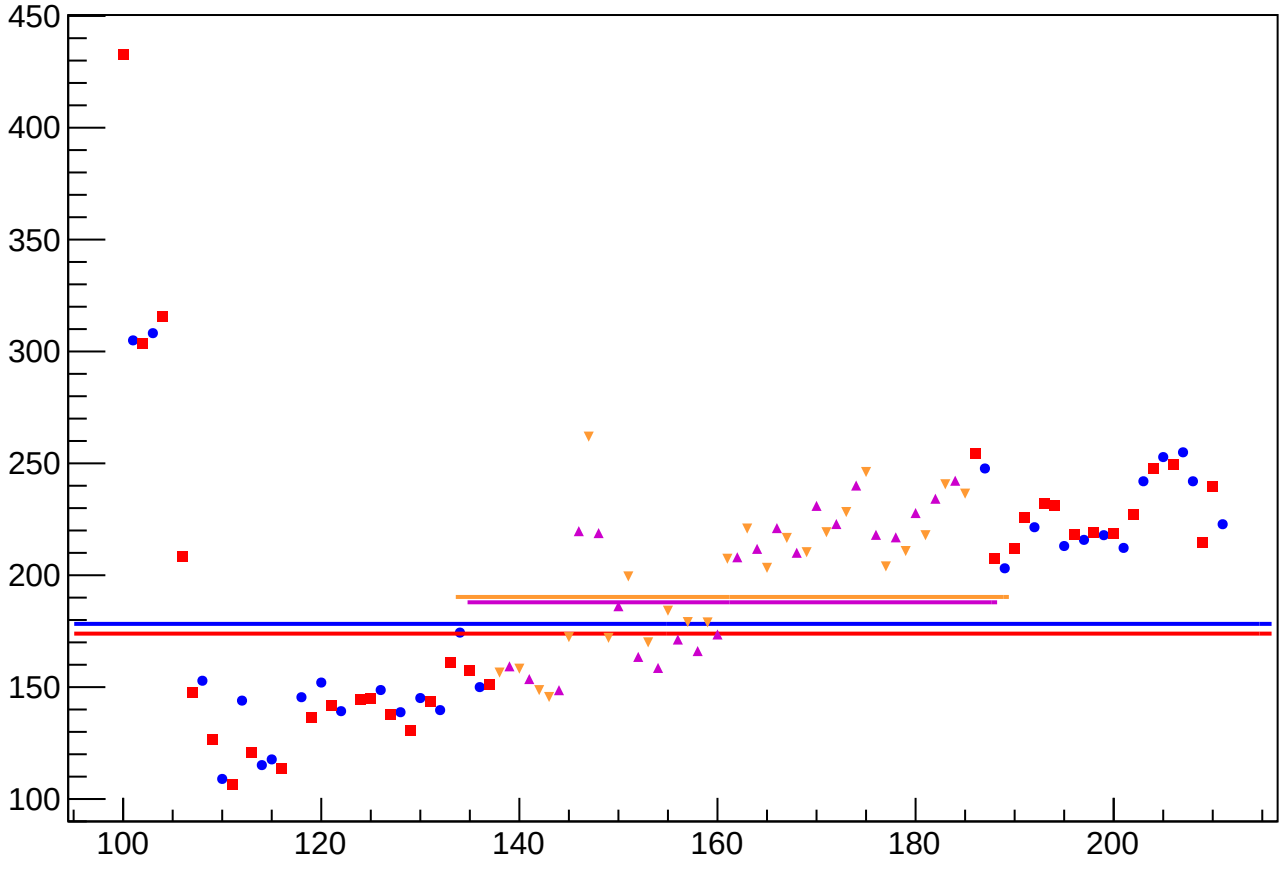
Right: 123768.392+/-0.031 χ^2/NDF: 2592711282

In: 121638.748+/-0.032 χ^2/NDF:17637849020.8/5

Out: 121790.767+/-0.031 χ^2/NDF:20091878624.4/

All: 121717.638+/-0.022 χ^2/NDF: 3774134

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 178.268+/-0.032 χ^2/NDF: 2270557.0/27

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 173.910+/-0.031 χ^2/NDF: 2904483.2/32

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

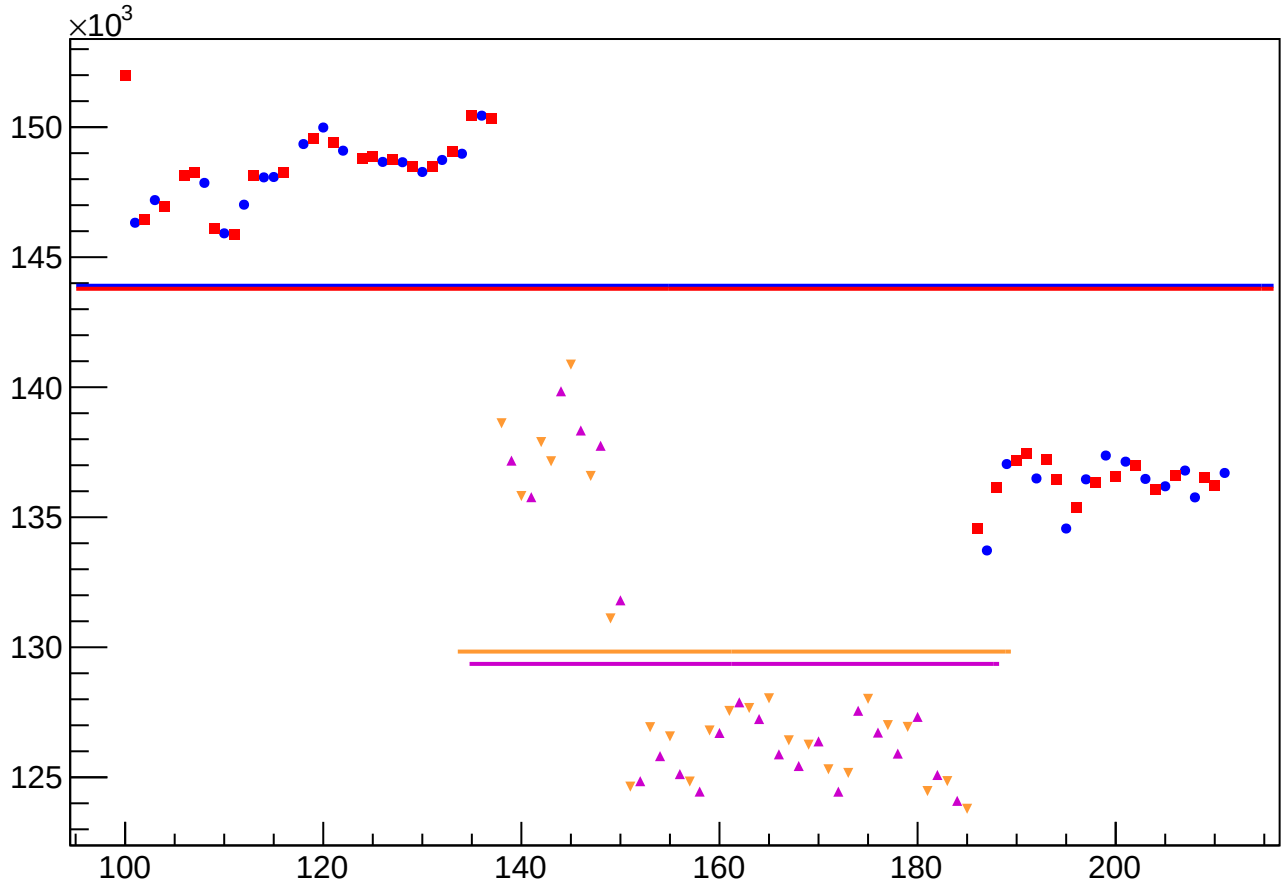
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 175.960+/-0.022 χ^2/NDF: 5184589.0/60

In: 183.185+/-0.023 χ^2/NDF:3241597.6/50

Out: 181.913+/-0.022 χ^2/NDF:3969271.9/57

All: 182.525+/-0.016 χ^2/NDF: 7212496.5/108



Right In: 143901.664+/-0.064 χ^2/NDF: 8647574584.8/27

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143785.322+/-0.060 χ^2/NDF: 9455460314.9/32

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

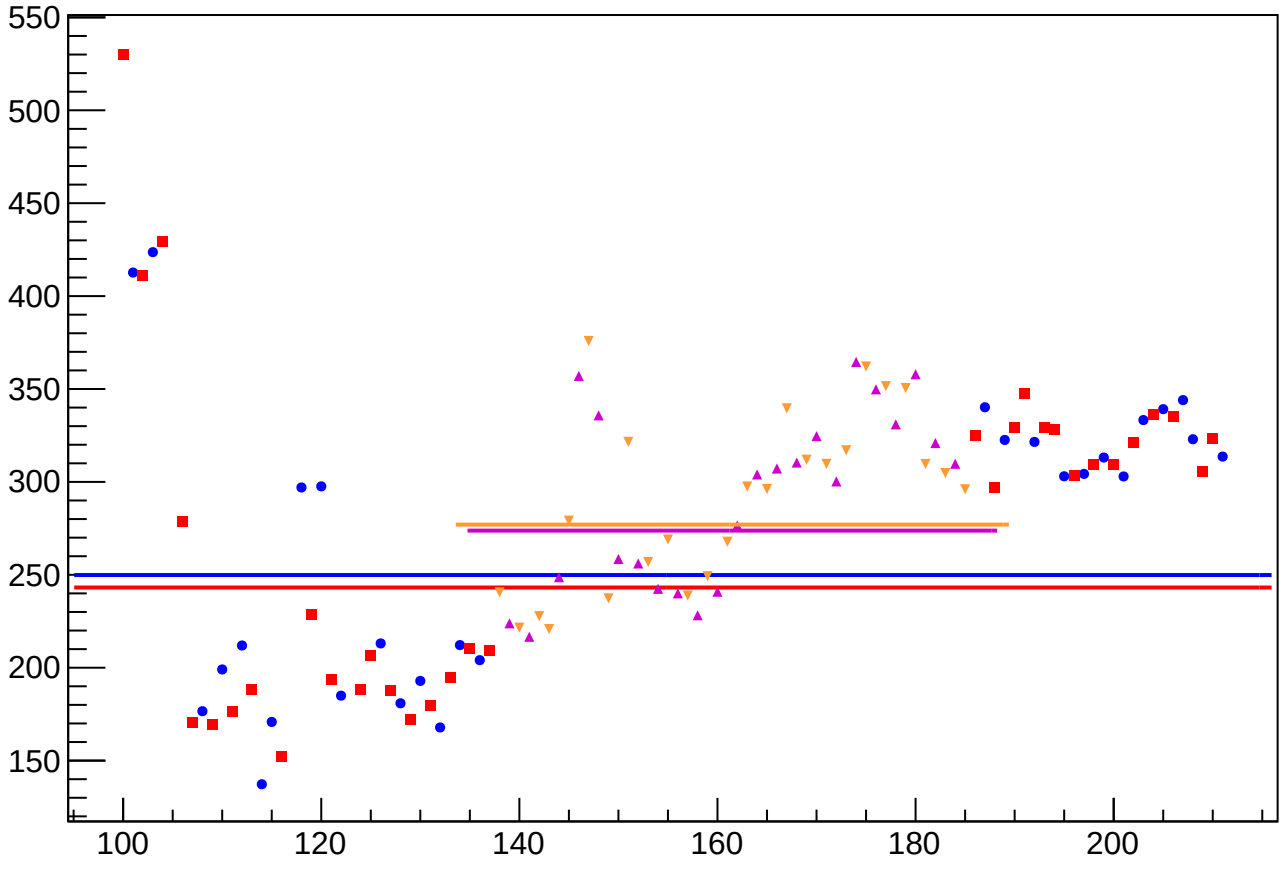
Right: 143839.722+/-0.044 χ^2/NDF: 18104767756.4

In: 136727.971+/-0.046 χ^2/NDF:40357052341.0/5

Out: 137230.784+/-0.044 χ^2/NDF:41285090430.3

All: 136989.989+/-0.032 χ^2/NDF: 81704668

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 249.867+/-0.046 χ^2/NDF: 2436251.7/27

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 243.161+/-0.043 χ^2/NDF: 2817556.8/32

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

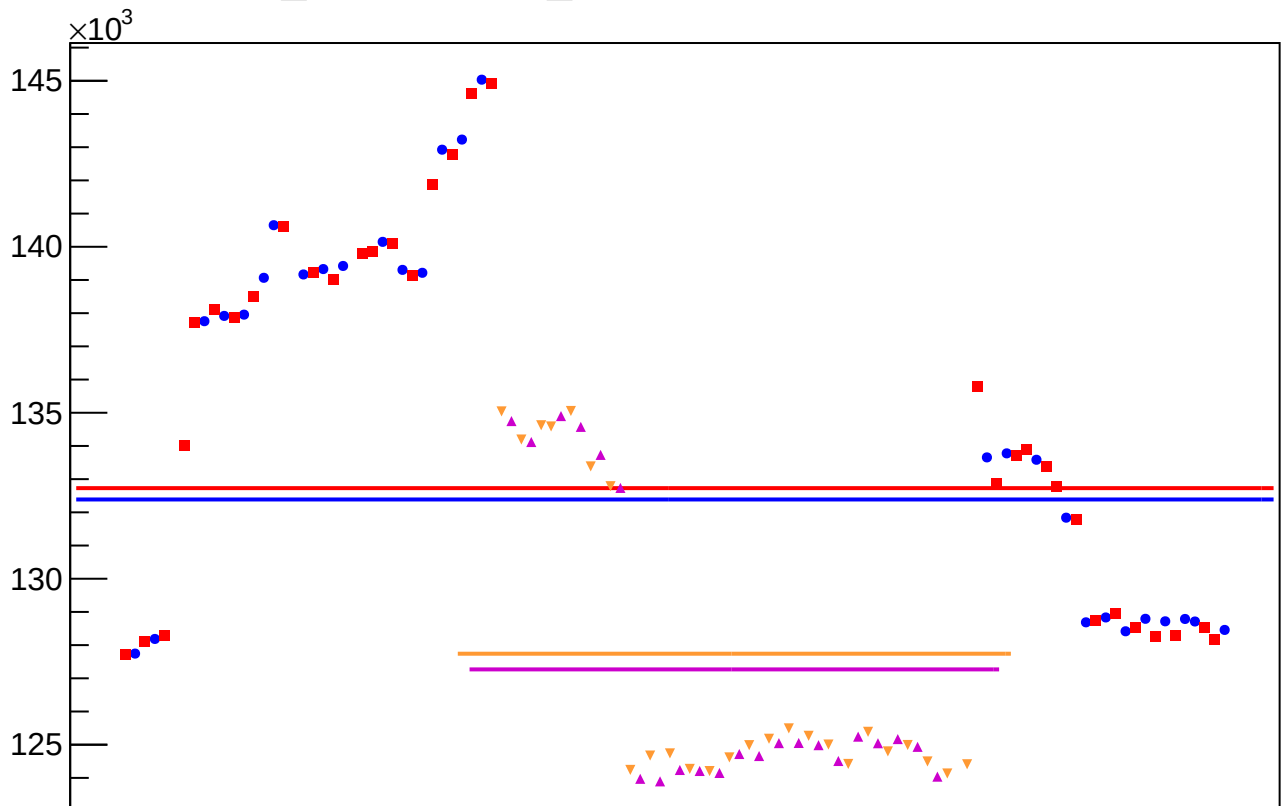
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 246.297+/-0.031 χ^2/NDF: 5265321.1/60

In: 261.666+/-0.032 χ^2/NDF:3575884.5/50

Out: 259.070+/-0.031 χ^2/NDF:4059111.7/57

All: 260.313+/-0.022 χ^2/NDF: 7638331.4/108



Right In: 132387.654+/-0.103 χ^2/NDF: 2726400890.0/27

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132729.032+/-0.105 χ^2/NDF: 1971761140.9/32

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

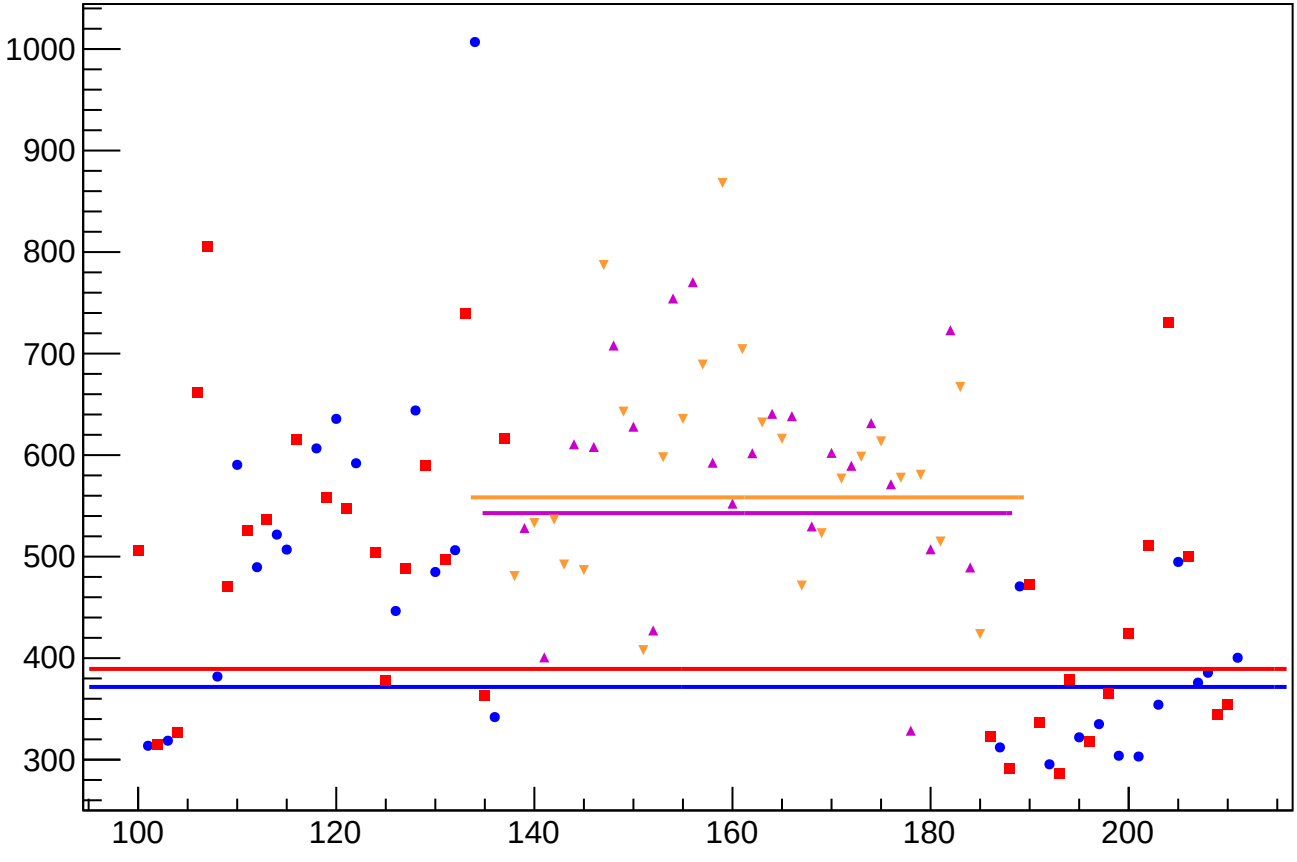
Right: 132555.478+/-0.074 χ^2/NDF: 4703523068.5/

In: 130557.816+/-0.083 χ^2/NDF:4574338270.7/5(

Out: 130856.127+/-0.083 χ^2/NDF:3909584735.6/5

All: 130706.590+/-0.059 χ^2/NDF: 84903863

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 371.648+/-0.073 χ^2/NDF: 1582921.2/27

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 389.387+/-0.074 χ^2/NDF: 1999023.3/32

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

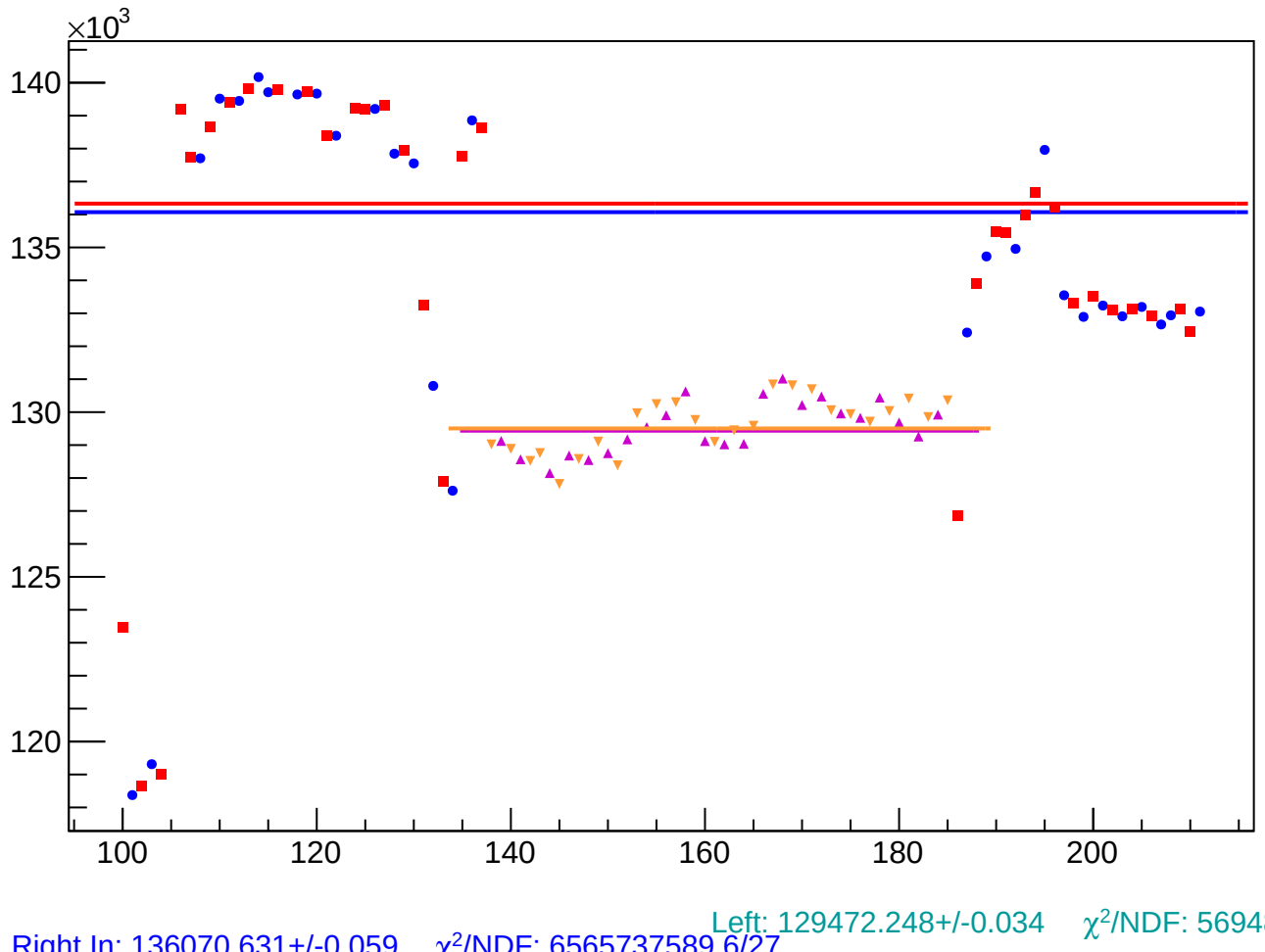
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 380.369+/-0.052 χ^2/NDF: 3610894.0/60

In: 432.853+/-0.059 χ^2/NDF:4960878.7/50

Out: 452.840+/-0.059 χ^2/NDF:4907788.3/57

All: 442.821+/-0.041 χ^2/NDF: 9926695.7/108



Right In: 136070.631+/-0.059 χ^2/NDF: 6565737589.6/27

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136329.984+/-0.055 χ^2/NDF: 6920466280.3/32

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

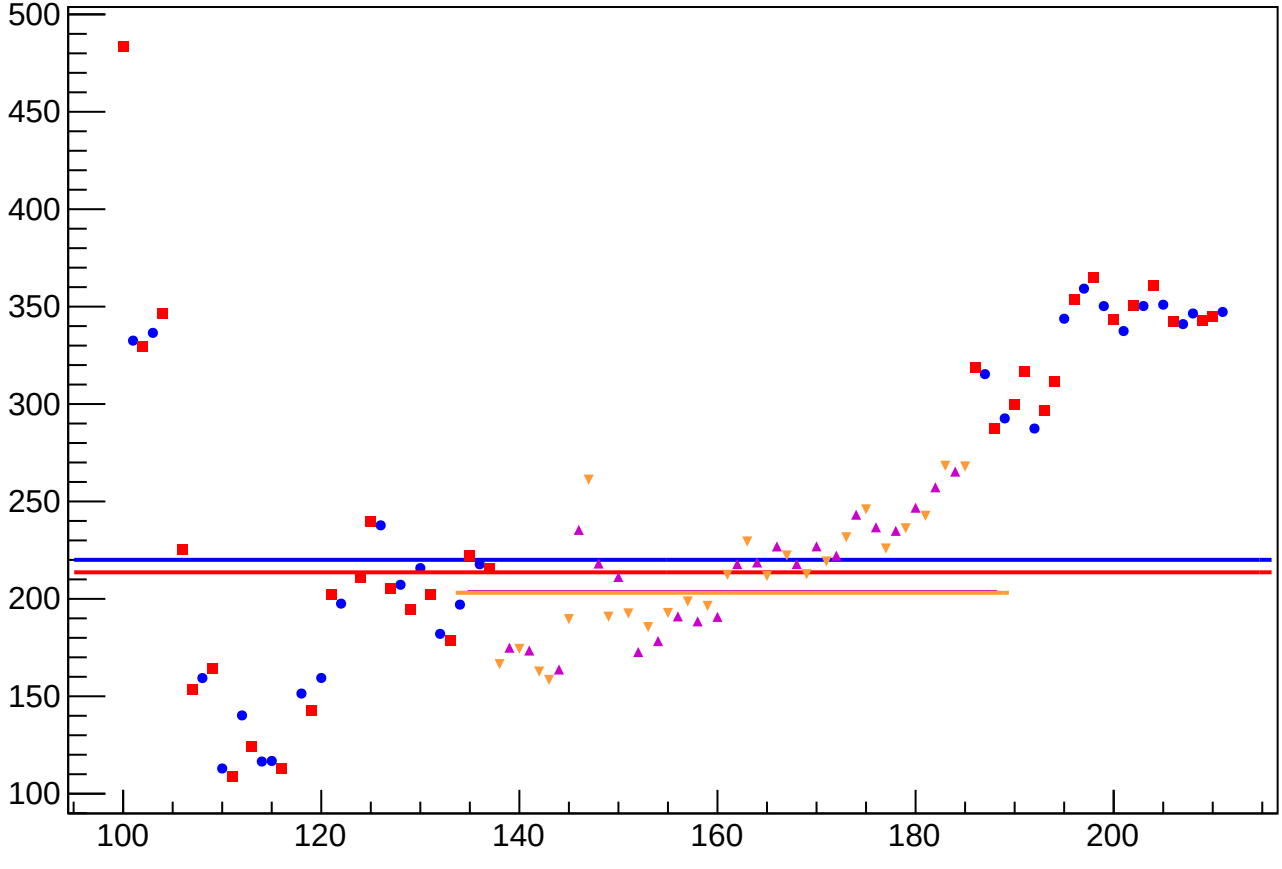
Right: 136208.516+/-0.040 χ^2/NDF: 13496528551.

In: 132115.777+/-0.037 χ^2/NDF:14408611928.9/5

Out: 132370.880+/-0.036 χ^2/NDF:16075705025.6

All: 132248.908+/-0.026 χ^2/NDF: 30508601

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 220.042+/-0.042 χ^2/NDF: 4322657.1/27

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 213.624+/-0.039 χ^2/NDF: 5206147.3/32

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

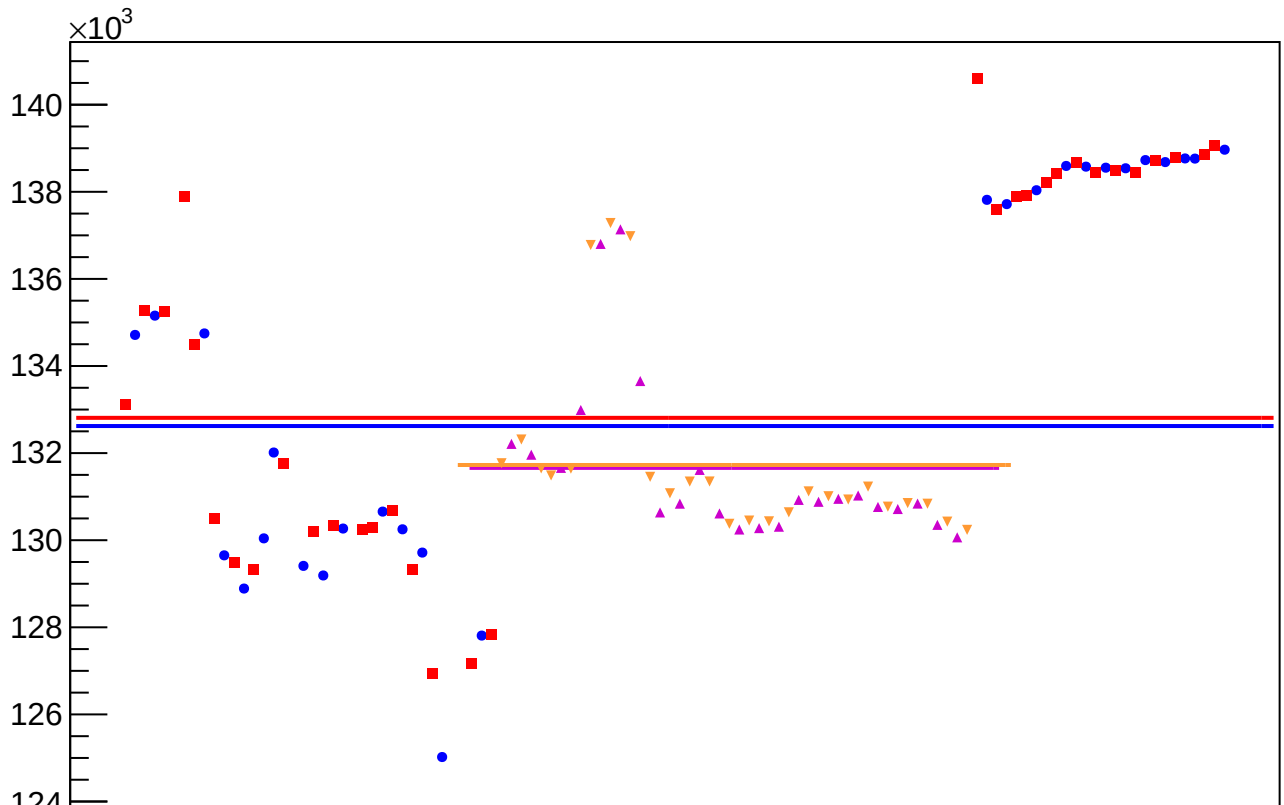
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 216.630+/-0.028 χ^2/NDF: 9541449.4/60

In: 210.207+/-0.026 χ^2/NDF:5082383.4/50

Out: 207.536+/-0.025 χ^2/NDF:6006477.8/57

All: 208.813+/-0.018 χ^2/NDF: 11094185.0/10



Right In: 132621.663+/-0.053 χ^2/NDF: 8643844385.6/27

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132809.851+/-0.050 χ^2/NDF: 9046749632.7/32

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

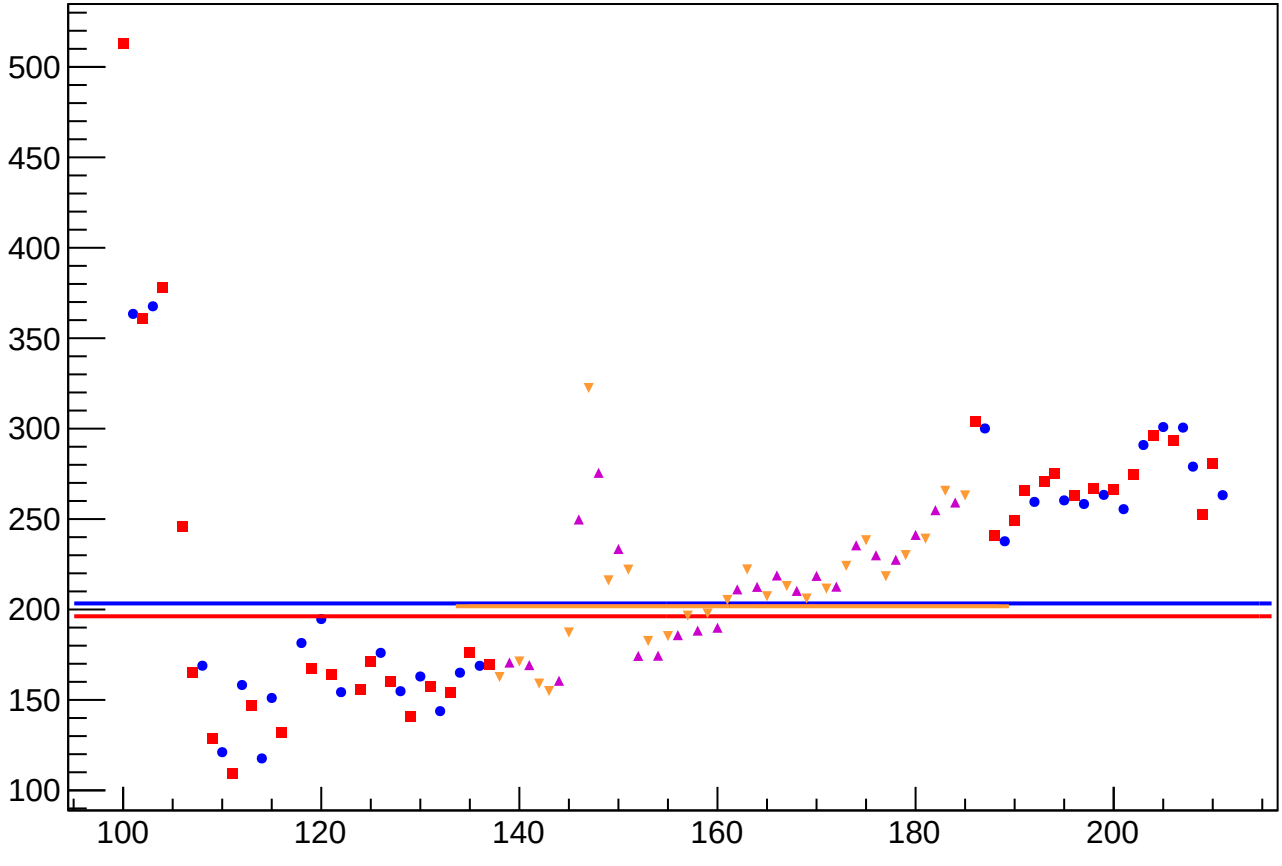
Right: 132722.095+/-0.036 χ^2/NDF: 17697331295.

In: 132095.671+/-0.036 χ^2/NDF:9988444468.2/5

Out: 132238.549+/-0.034 χ^2/NDF:10724152542.5

All: 132170.412+/-0.025 χ^2/NDF: 20721004

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 203.354+/-0.037 χ^2/NDF: 2765416.9/27

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 196.246+/-0.035 χ^2/NDF: 3639198.9/32

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

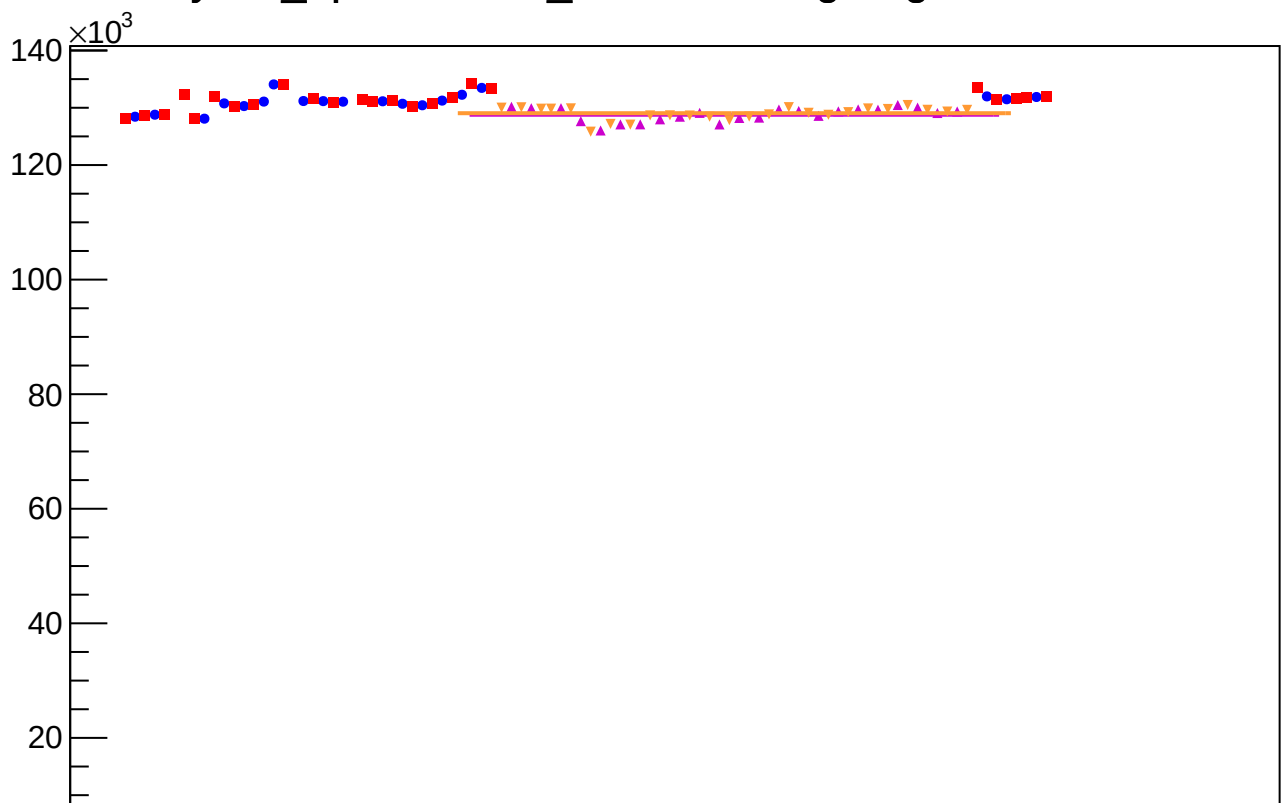
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 199.561+/-0.026 χ^2/NDF: 6423836.3/60

In: 202.584+/-0.025 χ^2/NDF:3568889.4/50

Out: 199.176+/-0.024 χ^2/NDF:4557819.3/57

All: 200.801+/-0.017 χ^2/NDF: 8136277.7/108



Right In: 3391.687+/-0.005 χ^2/NDF: 4996039974599.6/27

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3838.807+/-0.005 χ^2/NDF: 5902263162075.9/32

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

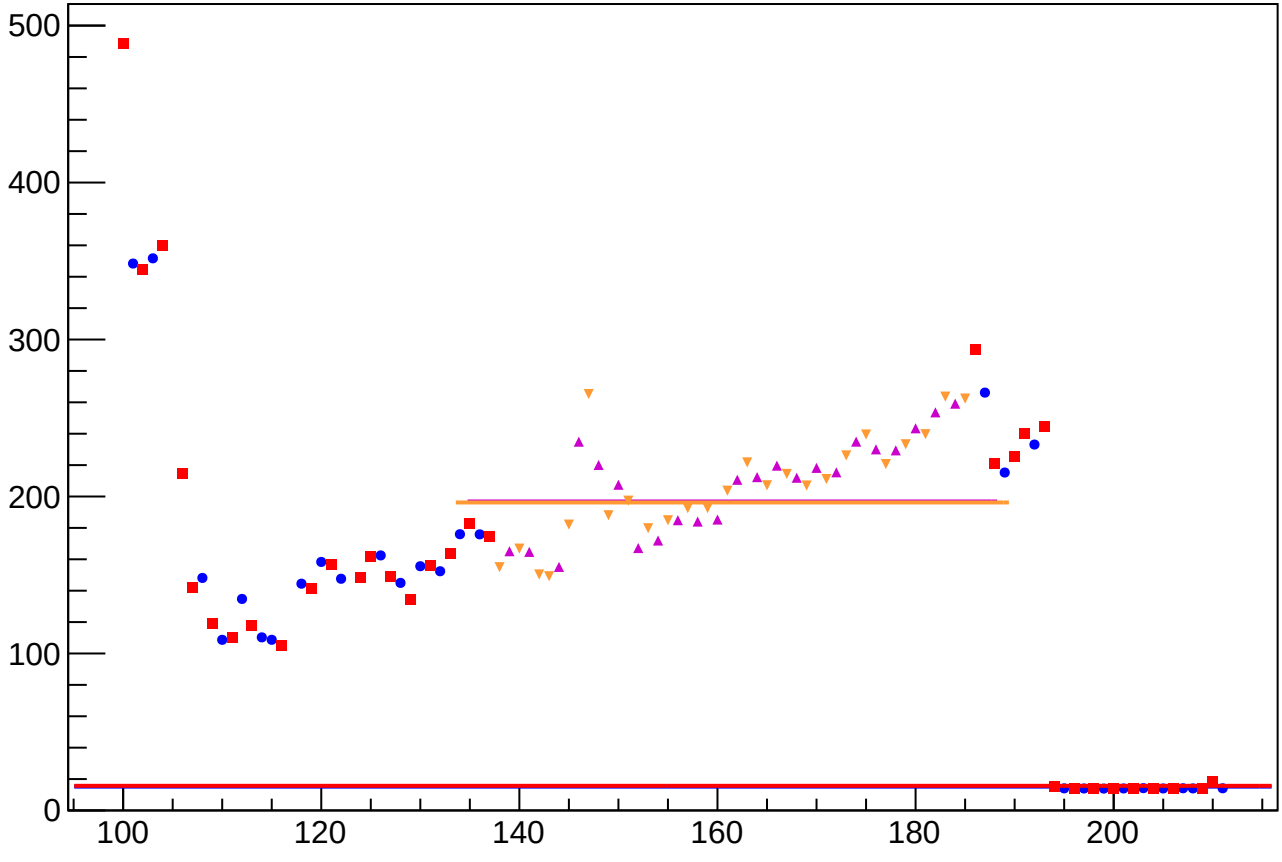
Right: 3598.343+/-0.004 χ^2/NDF: 10901917146119

In: 4832.625+/-0.005 χ^2/NDF:12063675522579.2

Out: 5613.296+/-0.005 χ^2/NDF:13371298530954.

All: 5193.973+/-0.004 χ^2/NDF: 2544613579

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.200+/-0.004 χ^2/NDF: 14431352.8/27

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.687+/-0.004 χ^2/NDF: 16516651.3/32

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

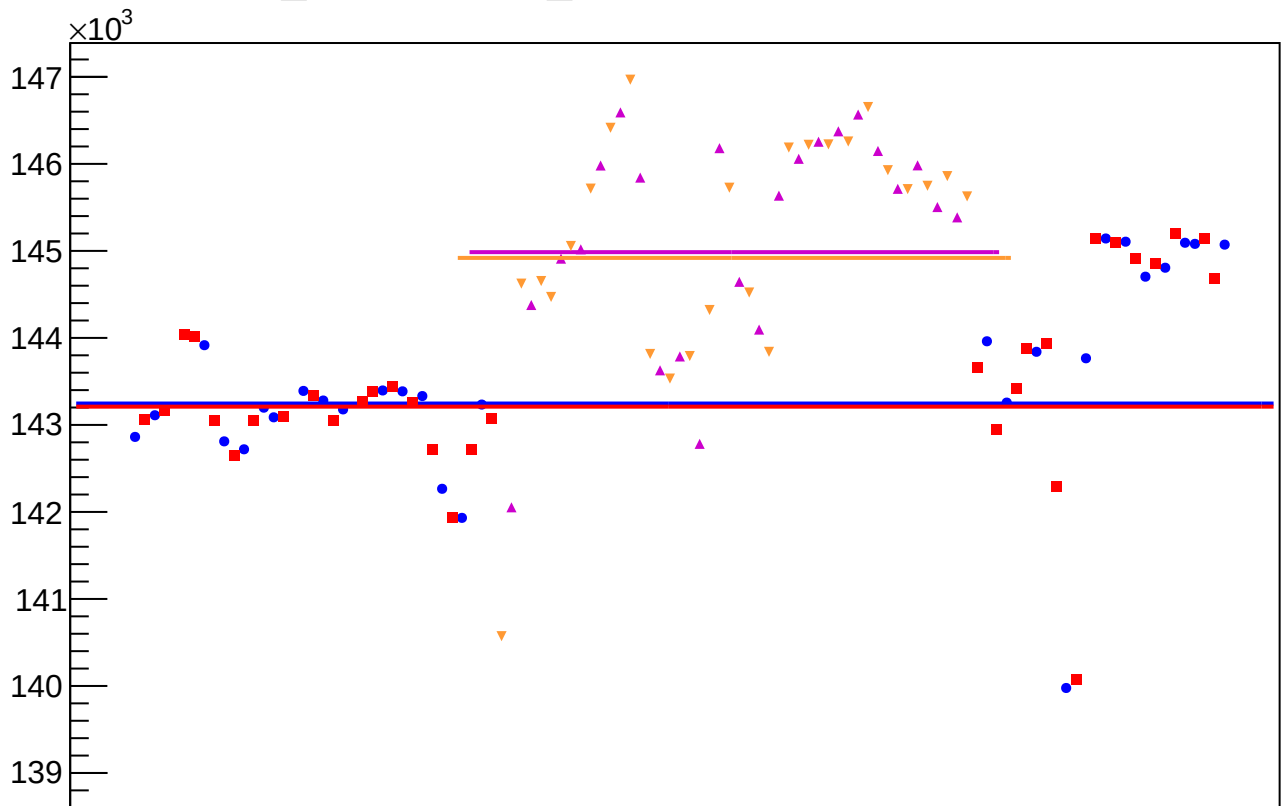
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.425+/-0.003 χ^2/NDF: 30956571.0/60

In: 17.287+/-0.004 χ^2/NDF:44862674.0/50

Out: 18.245+/-0.004 χ^2/NDF:48485511.8/57

All: 17.731+/-0.003 χ^2/NDF: 93381783.3/108



Right In: 143245.929+/-0.057 χ^2/NDF: 258216690.0/27

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143209.989+/-0.053 χ^2/NDF: 264582640.1/32

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

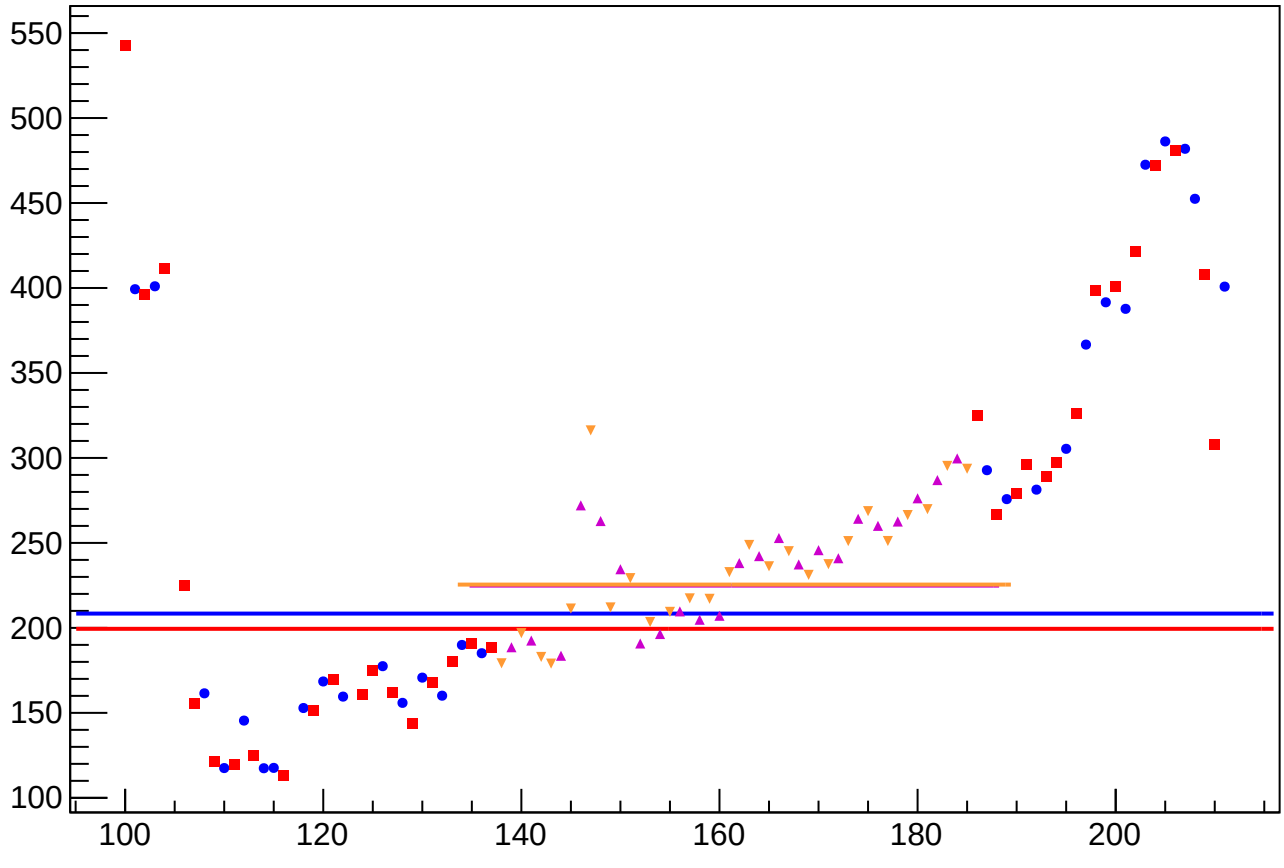
Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

Right: 143226.455+/-0.039 χ^2/NDF: 523012268.2/6

In: 144174.606+/-0.039 χ^2/NDF:1368534242.2/5

Out: 144072.639+/-0.037 χ^2/NDF:1630724472.6/5

All: 144120.896+/-0.027 χ^2/NDF: 30028330



Right In: 208.416+/-0.041 χ^2/NDF: 6013582.3/27

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 199.451+/-0.037 χ^2/NDF: 6627320.8/32

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

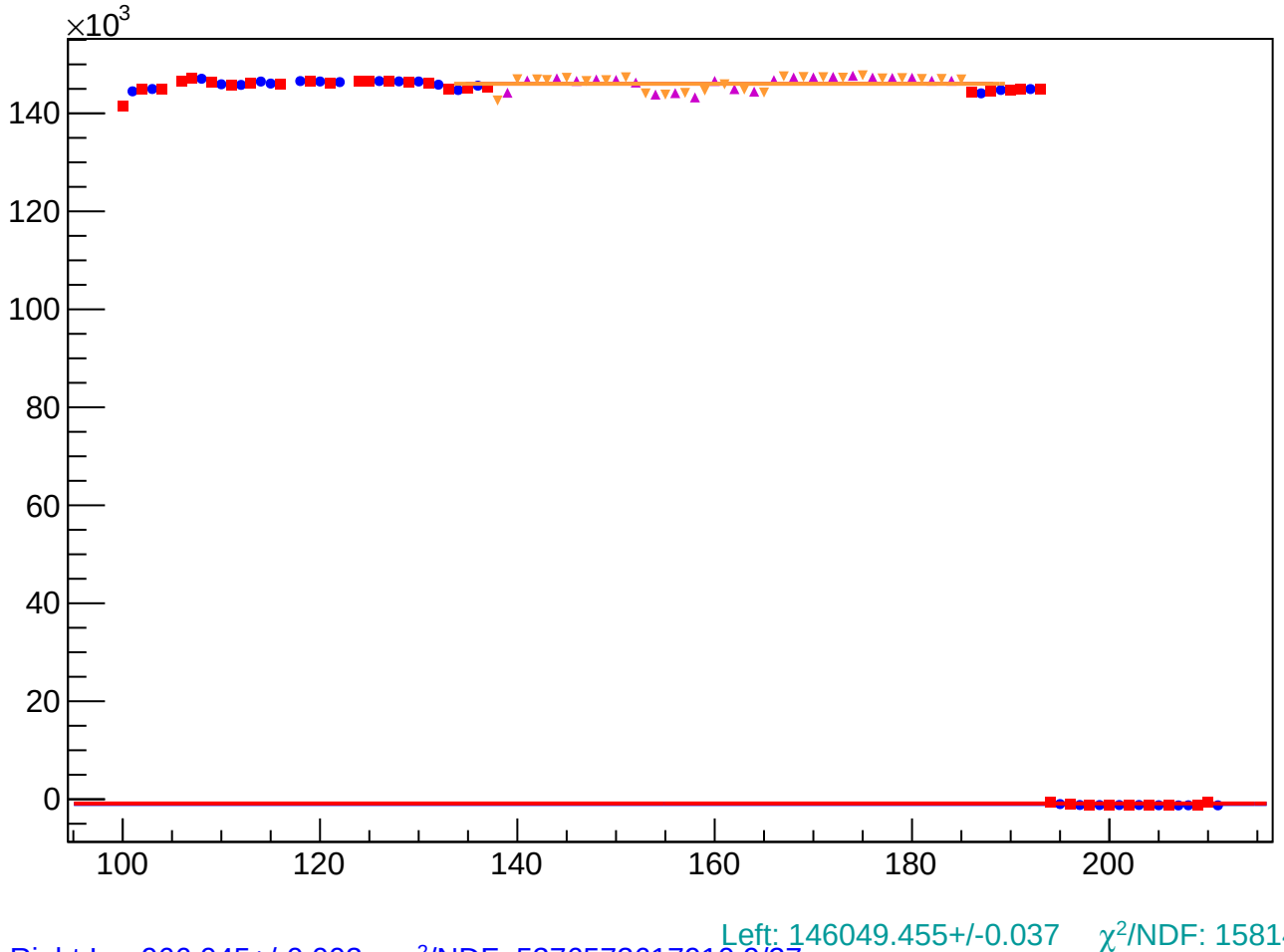
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 203.558+/-0.027 χ^2/NDF: 12667406.5/60

In: 217.199+/-0.028 χ^2/NDF:6825322.1/50

Out: 212.585+/-0.026 χ^2/NDF:7648714.9/57

All: 214.769+/-0.019 χ^2/NDF: 14488674.7/10



Right In: -966.045+/-0.003 χ^2/NDF: 5376573617910.9/27

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -862.715+/-0.003 χ^2/NDF: 6464870210614.4/32

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

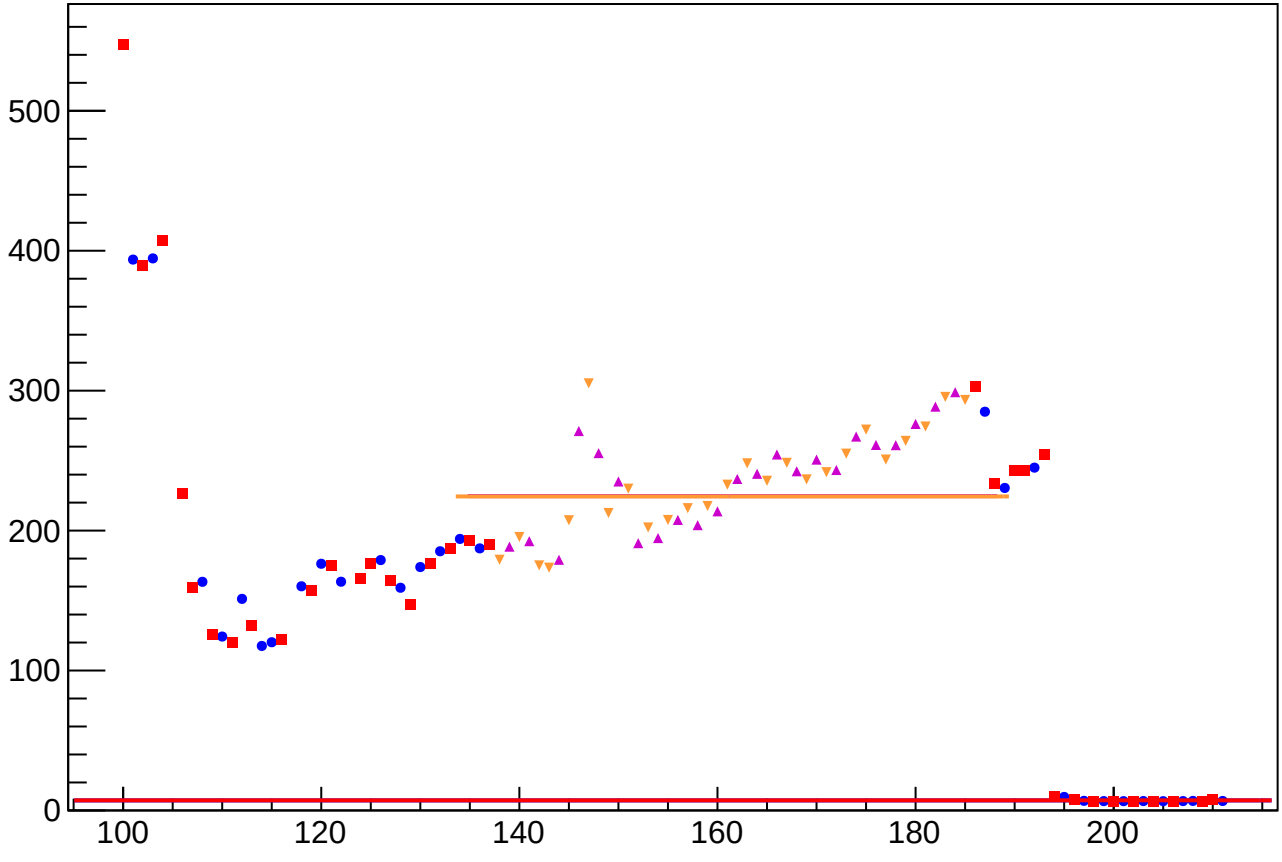
Right: -917.998+/-0.002 χ^2/NDF: 11842235914024

In: -645.527+/-0.003 χ^2/NDF:12895436511175.4/

Out: -472.099+/-0.003 χ^2/NDF:14422690980031.3

All: -564.864+/-0.002 χ^2/NDF: 2732036423

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.164+/-0.002 χ^2/NDF: 16119766.2/27

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.228+/-0.002 χ^2/NDF: 18432683.6/32

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

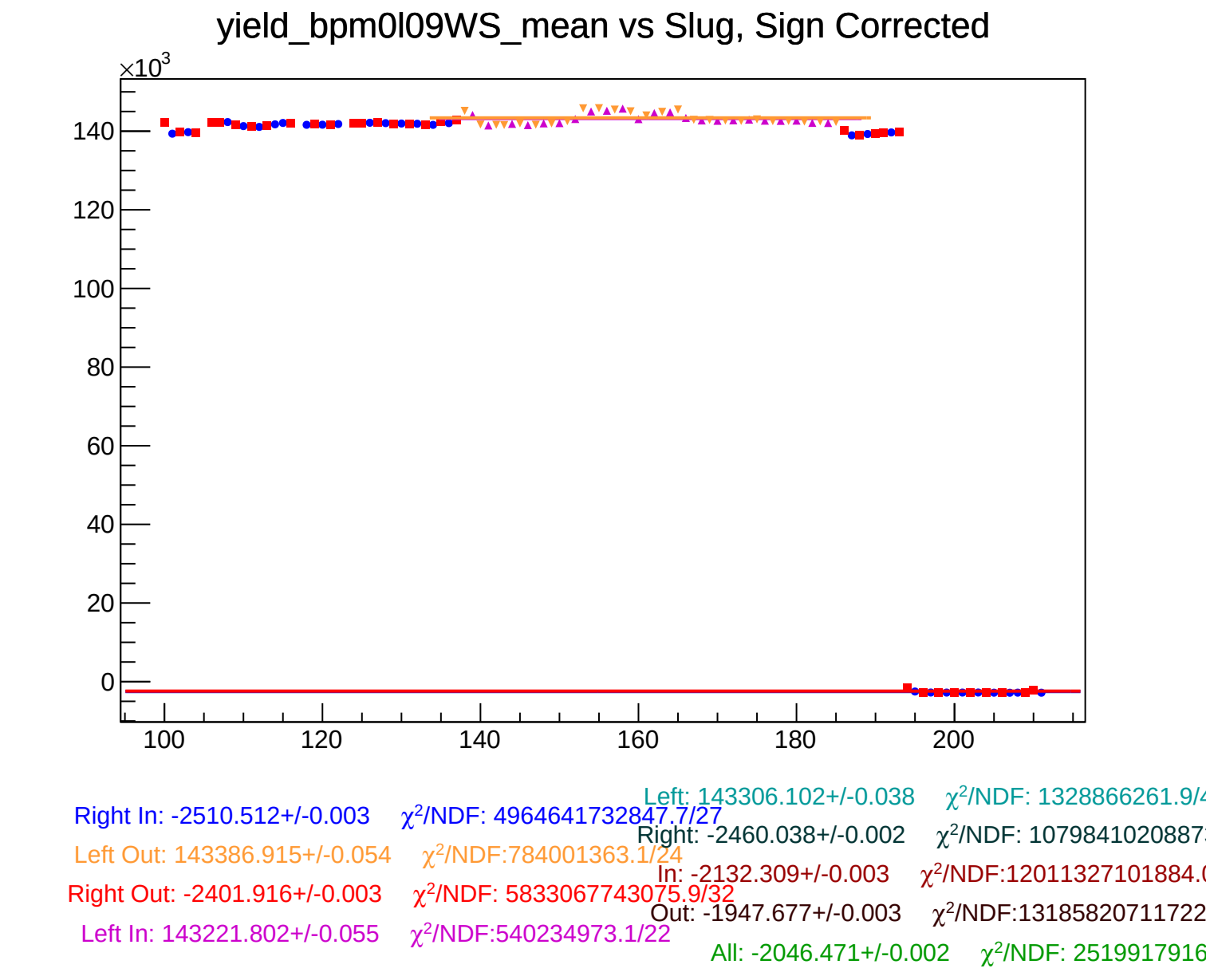
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.194+/-0.001 χ^2/NDF: 34553055.1/60

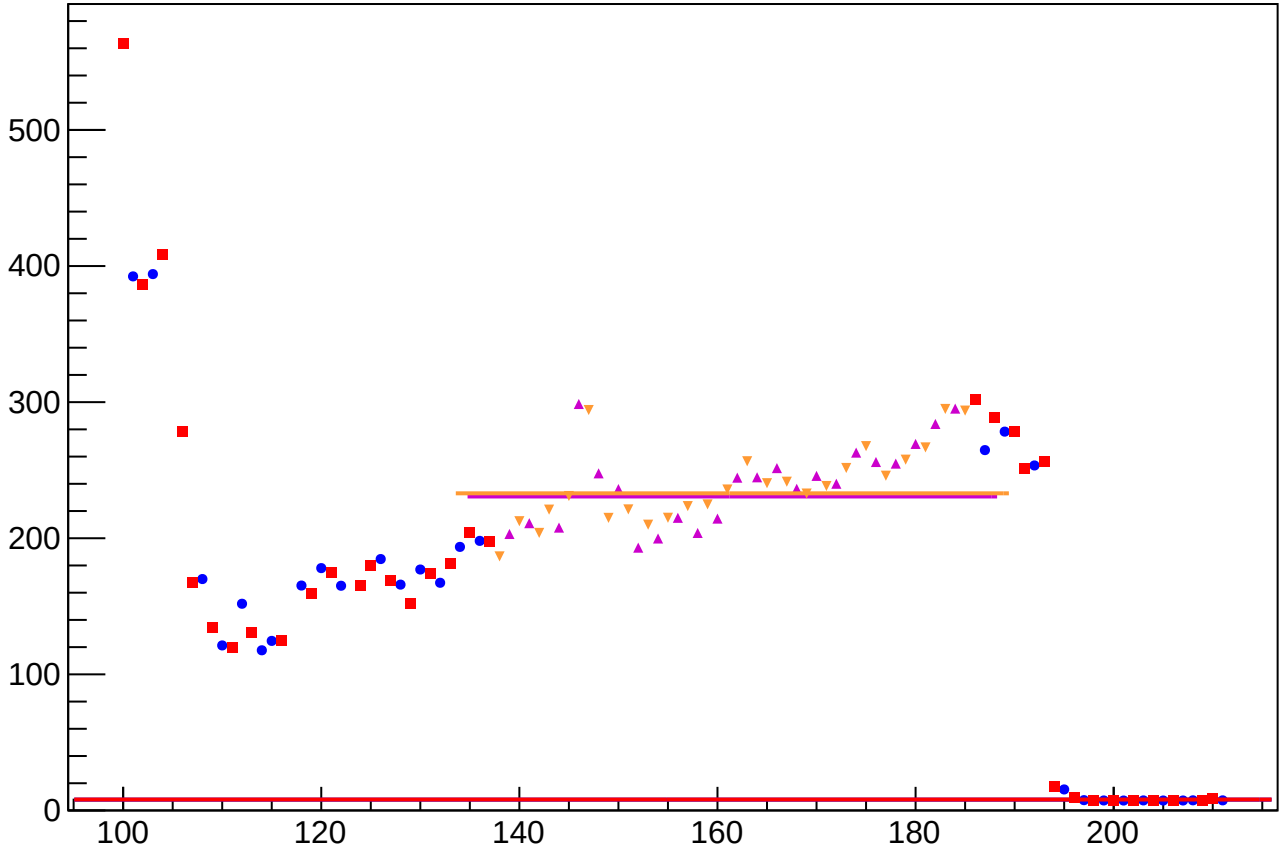
In: 7.638+/-0.002 χ^2/NDF:49781196.9/50

Out: 7.805+/-0.002 χ^2/NDF:54063186.0/57

All: 7.716+/-0.001 χ^2/NDF: 103848541.7/108


yield_bpm0l09WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: -2510.512+/-0.003 χ²/NDF: 4964641732847.7/27
Left Out: 143386.915+/-0.054 χ²/NDF:784001363.1/24
Right Out: -2401.916+/-0.003 χ²/NDF: 5833067743075.9/32
Left In: 143221.802+/-0.055 χ²/NDF:540234973.1/22
Left: 143306.102+/-0.038 χ²/NDF: 1328866261.9/4
Right: -2460.038+/-0.002 χ²/NDF: 1079841020887
In: -2132.309+/-0.003 χ²/NDF:12011327101884.
Out: -1947.677+/-0.003 χ²/NDF:13185820711722
All: -2046.471+/-0.002 χ²/NDF: 2519917916

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 7.939+/-0.002 χ^2/NDF: 16288526.3/27

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.028+/-0.002 χ^2/NDF: 18479147.3/32

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

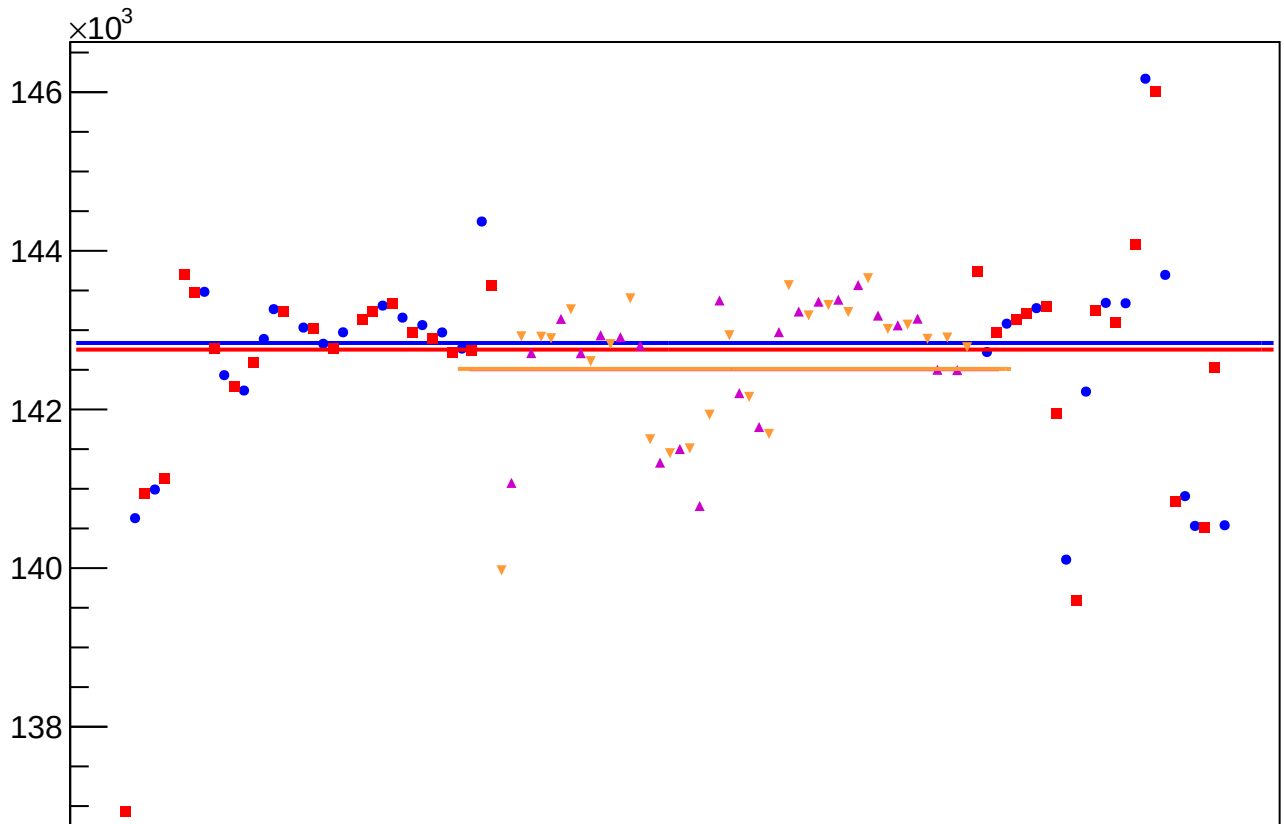
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 7.981+/-0.001 χ^2/NDF: 34768621.8/60

In: 8.517+/-0.002 χ^2/NDF:49725126.7/50

Out: 8.729+/-0.002 χ^2/NDF:53941327.3/57

All: 8.616+/-0.001 χ^2/NDF: 103671821.1/108



Right In: 142838.219+/-0.060 χ^2/NDF: 295159123.1/27

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142754.626+/-0.055 χ^2/NDF: 238194268.4/32

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

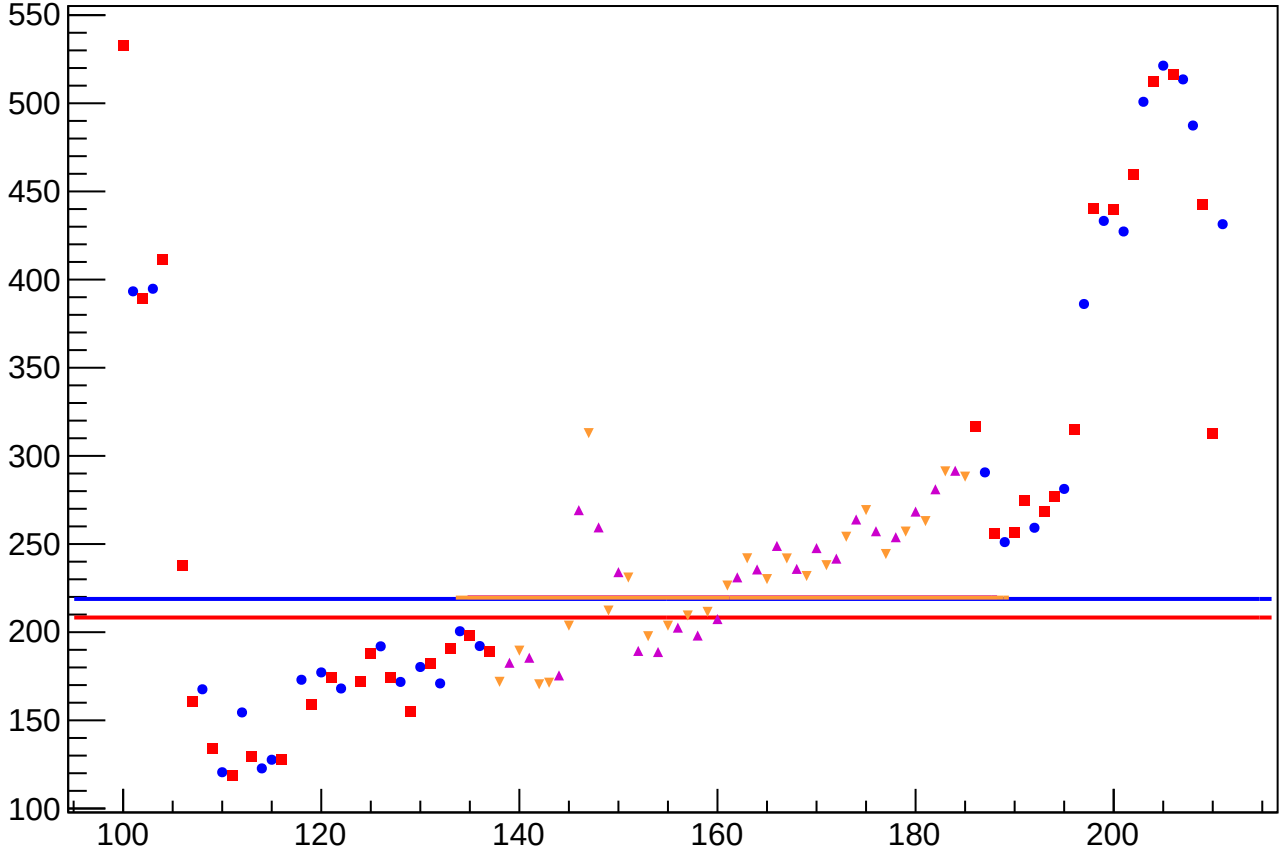
Right: 142792.614+/-0.040 χ^2/NDF: 534411220.9/6

In: 142650.552+/-0.039 χ^2/NDF:581649976.8/50

Out: 142624.065+/-0.037 χ^2/NDF:586861127.1/57

All: 142636.555+/-0.027 χ^2/NDF: 116874900

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 218.859+/-0.042 χ^2/NDF: 5770226.5/27

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 208.320+/-0.039 χ^2/NDF: 6277223.4/32

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

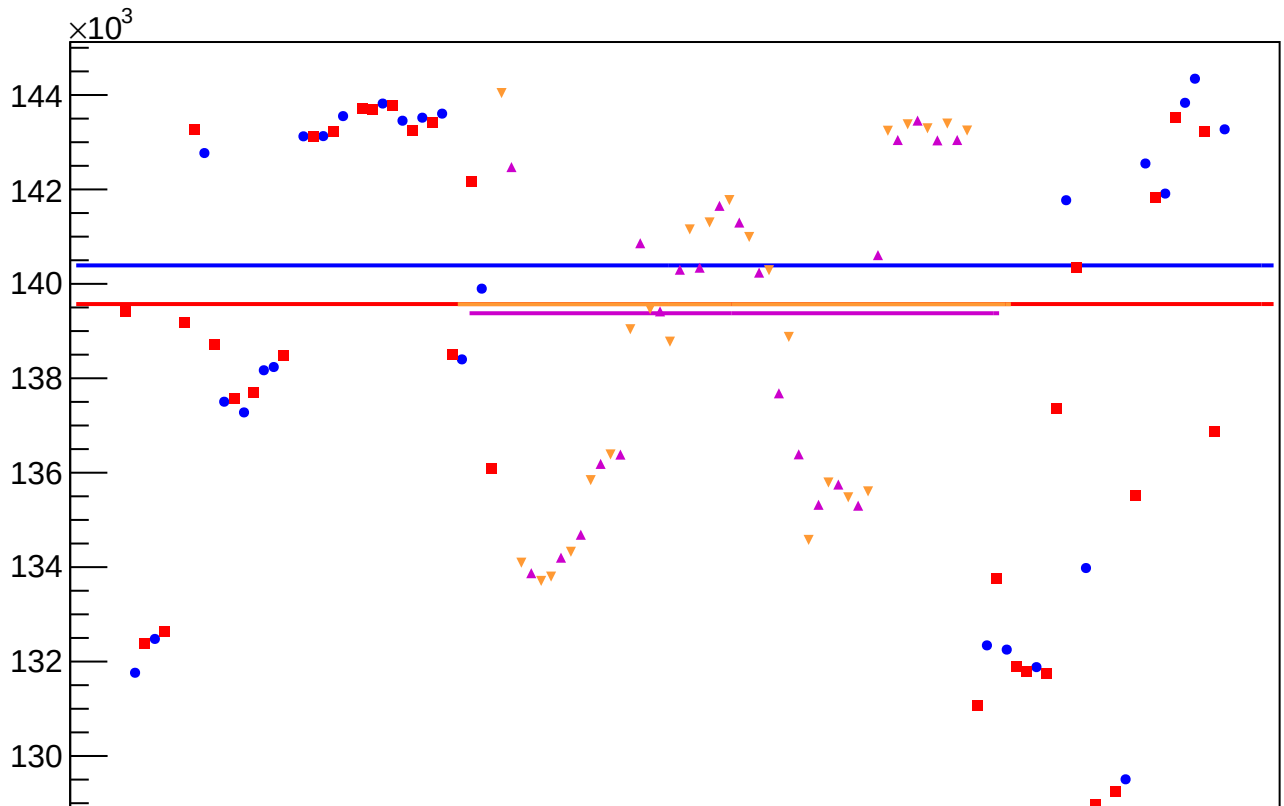
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 213.109+/-0.029 χ^2/NDF: 12081075.8/60

In: 219.401+/-0.028 χ^2/NDF:6576015.3/50

Out: 214.384+/-0.026 χ^2/NDF:7224894.1/57

All: 216.750+/-0.019 χ^2/NDF: 13817974.5/10



Right In: 140390.843+/-0.085 χ^2/NDF: 2657698961.0/27

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139572.041+/-0.083 χ^2/NDF: 2821514106.3/32

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

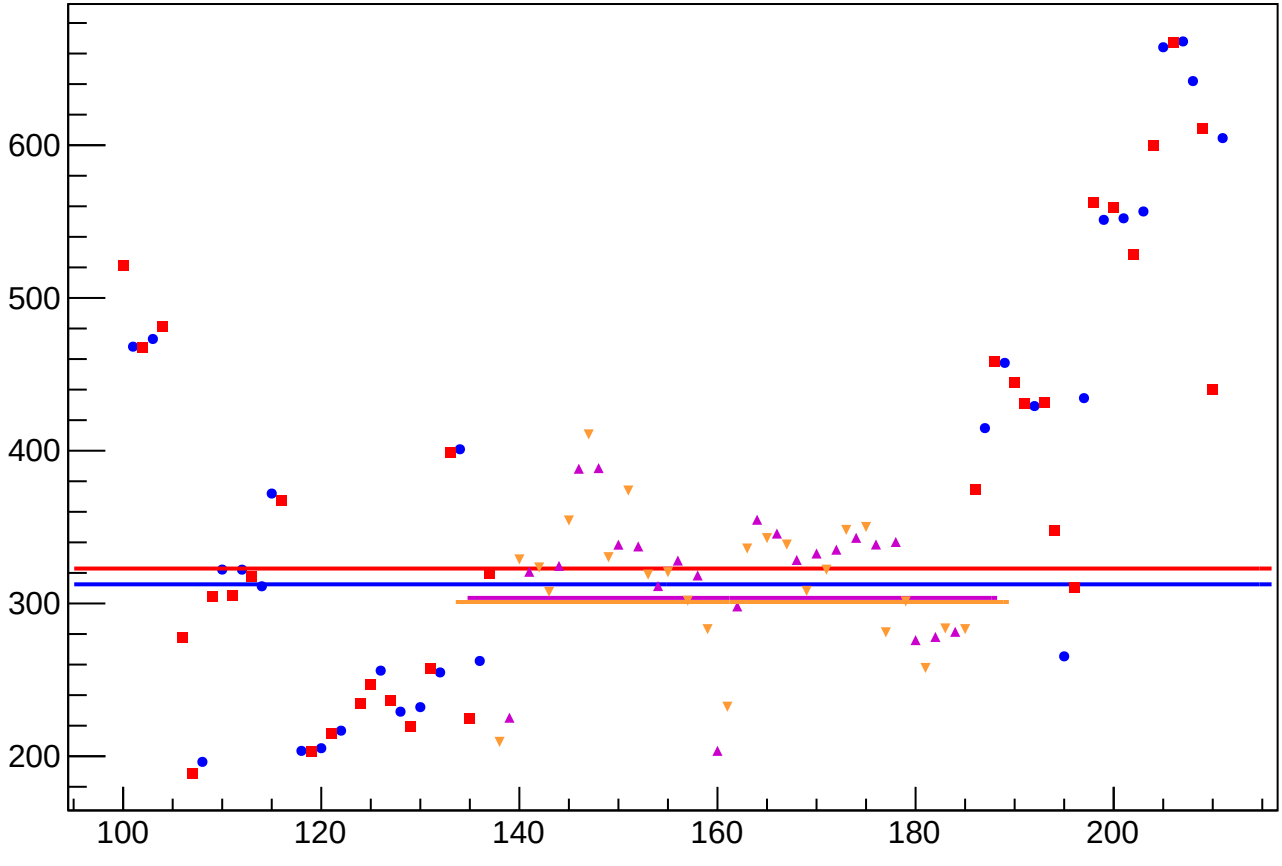
Right: 139971.690+/-0.059 χ^2/NDF: 5527150010.8/

In: 139809.627+/-0.055 χ^2/NDF:4661391716.4/5

Out: 139570.126+/-0.053 χ^2/NDF:5408153835.1/5

All: 139685.841+/-0.038 χ^2/NDF: 10079257

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 312.540+/-0.060 χ^2/NDF: 4797005.7/27

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 322.870+/-0.058 χ^2/NDF: 4392241.0/32

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

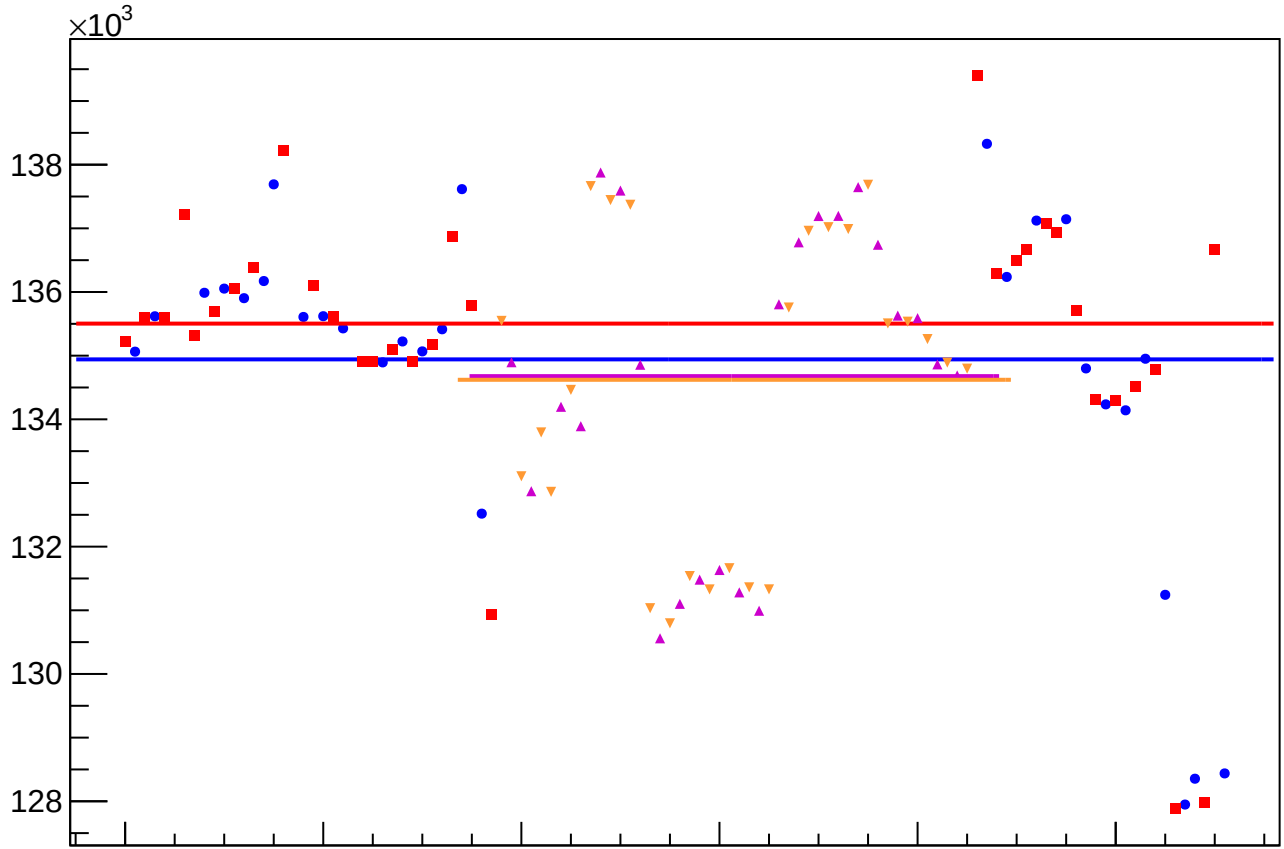
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 317.828+/-0.042 χ^2/NDF: 9204505.9/60

In: 307.445+/-0.039 χ^2/NDF:5785898.4/50

Out: 310.122+/-0.038 χ^2/NDF:5350949.0/57

All: 308.829+/-0.027 χ^2/NDF: 11139272.5/10



Right In: 134941.609+/-0.079 χ^2/NDF: 835744110.9/27

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135503.560+/-0.072 χ^2/NDF: 766541661.3/32

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

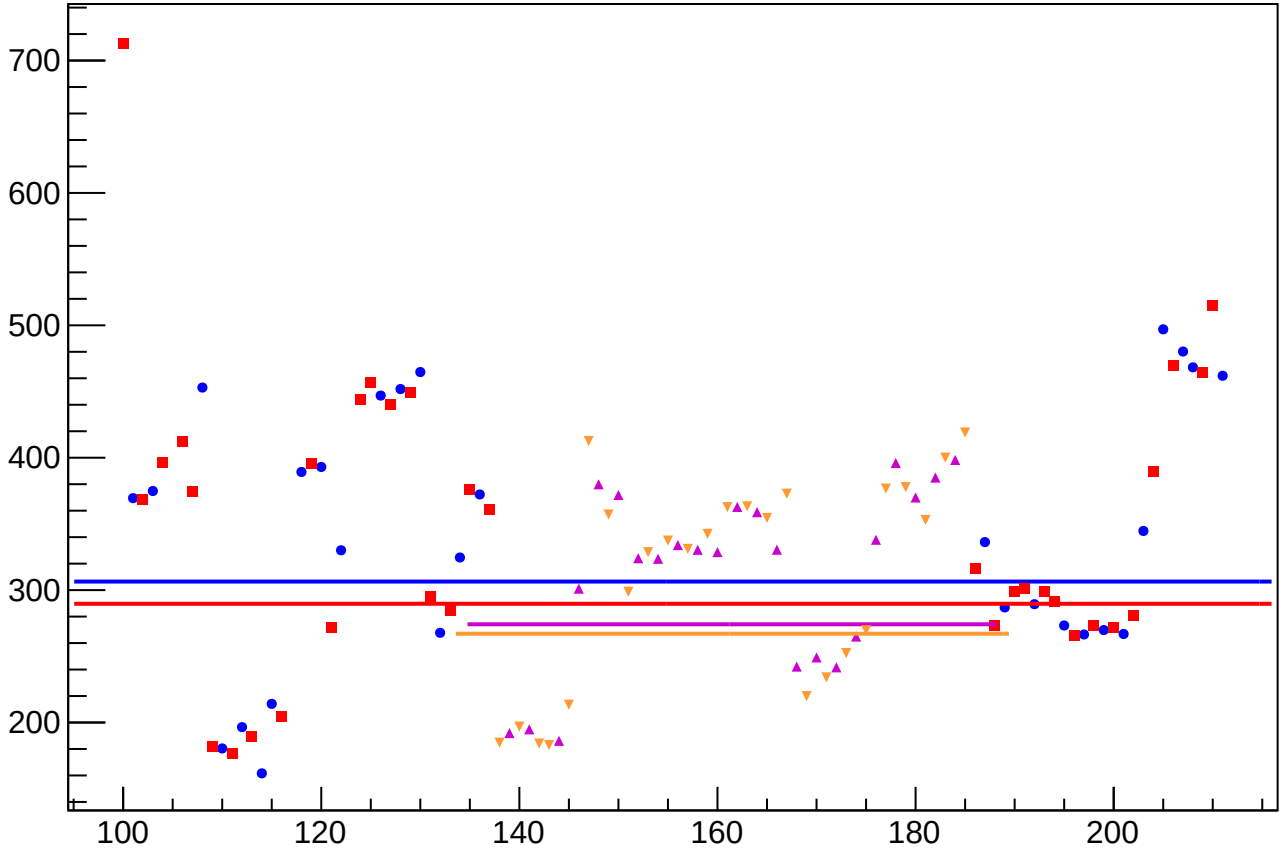
Right: 135249.222+/-0.053 χ^2/NDF: 1629904928.9/

In: 134788.192+/-0.051 χ^2/NDF:1938488971.1/50

Out: 135009.119+/-0.048 χ^2/NDF:2052360690.3/5

All: 134906.200+/-0.035 χ^2/NDF: 40008409

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 306.458+/-0.056 χ^2/NDF: 2494989.4/27

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 289.682+/-0.051 χ^2/NDF: 2760796.2/32

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

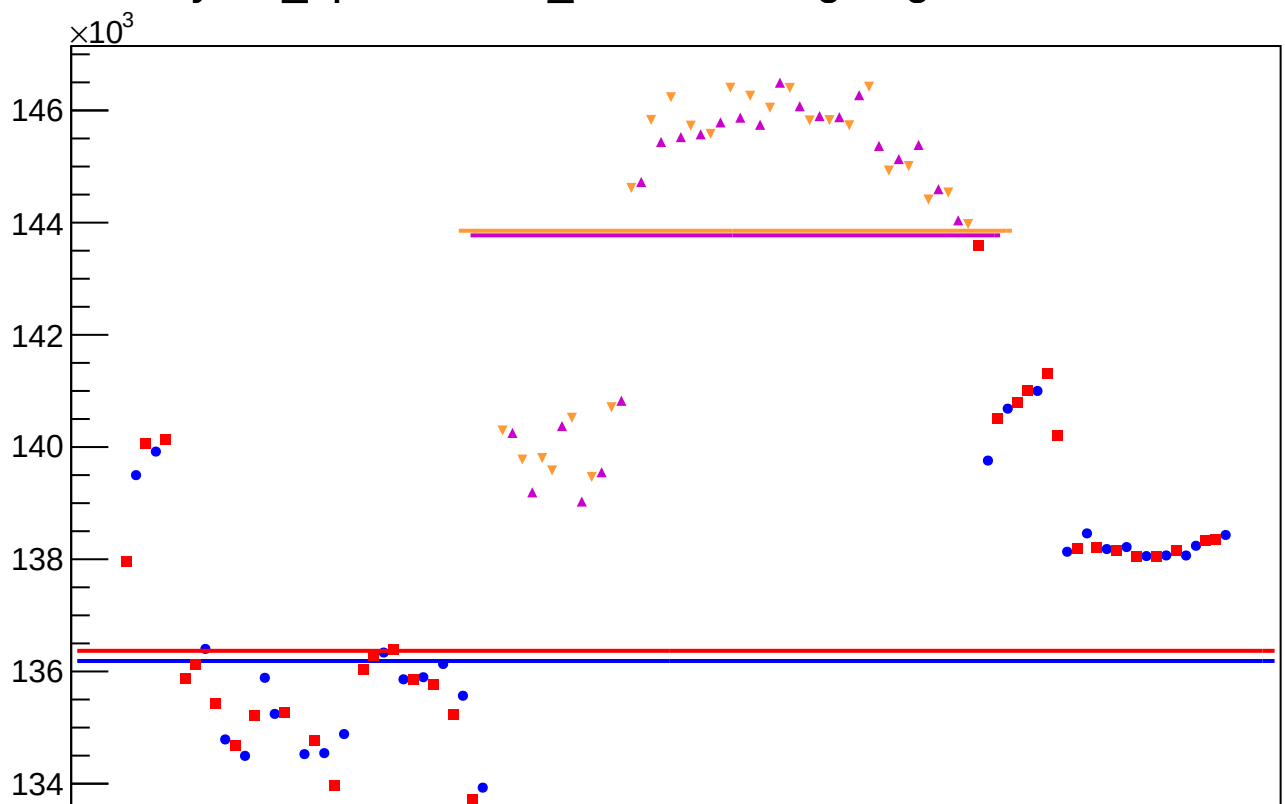
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 297.275+/-0.038 χ^2/NDF: 5305011.0/60

In: 287.635+/-0.036 χ^2/NDF:4925899.9/50

Out: 277.005+/-0.034 χ^2/NDF:5714975.4/57

All: 281.957+/-0.025 χ^2/NDF: 10687141.0/10



Right In: 136186.854+/-0.047 χ^2/NDF: 1605761979.9/27

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136368.128+/-0.044 χ^2/NDF: 2263636720.8/32

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

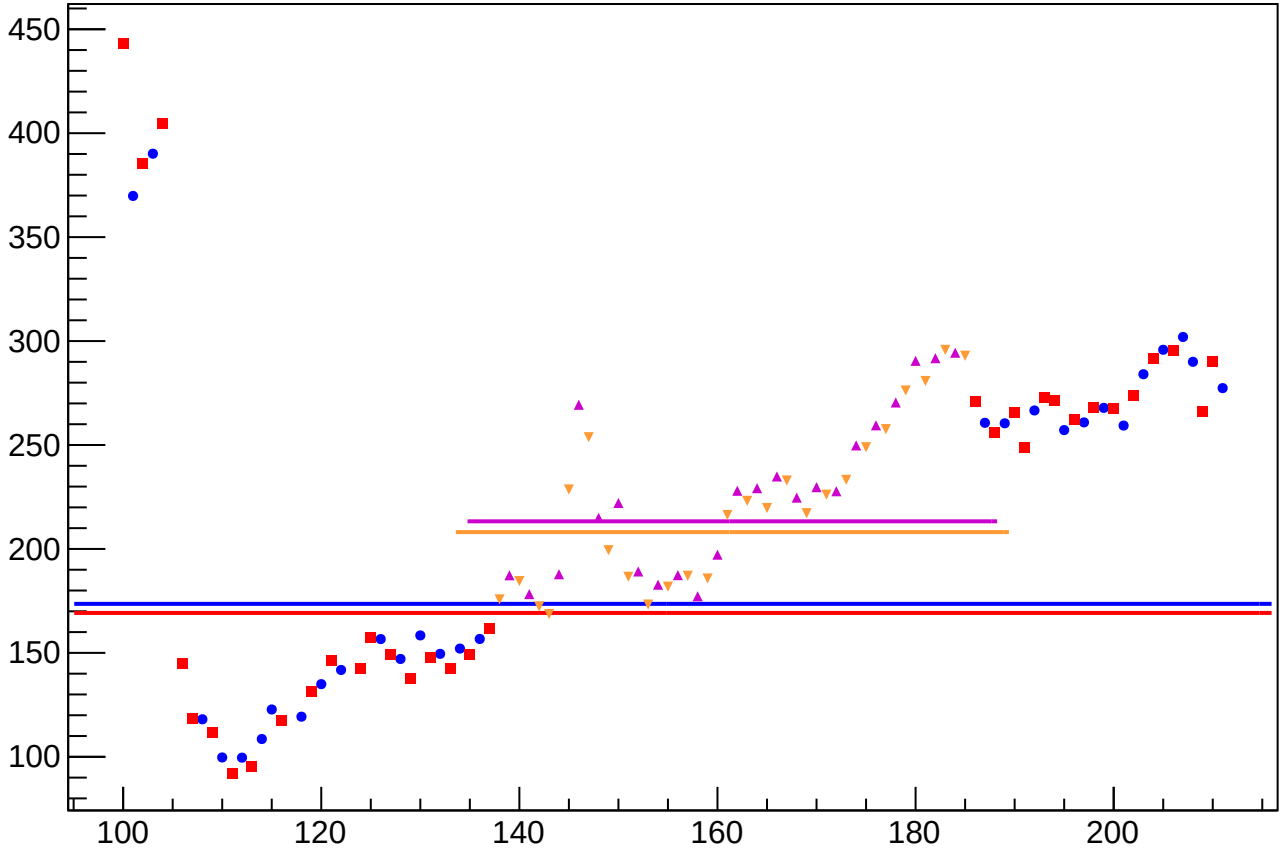
Right: 136282.718+/-0.032 χ^2/NDF: 3877372105.8/

In: 139651.370+/-0.034 χ^2/NDF:16468414309.6/5

Out: 139766.837+/-0.033 χ^2/NDF:18499685788.9

All: 139712.286+/-0.024 χ^2/NDF: 34974040

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 173.587+/-0.033 χ^2/NDF: 4853733.9/27

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 169.217+/-0.031 χ^2/NDF: 5697190.4/32

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

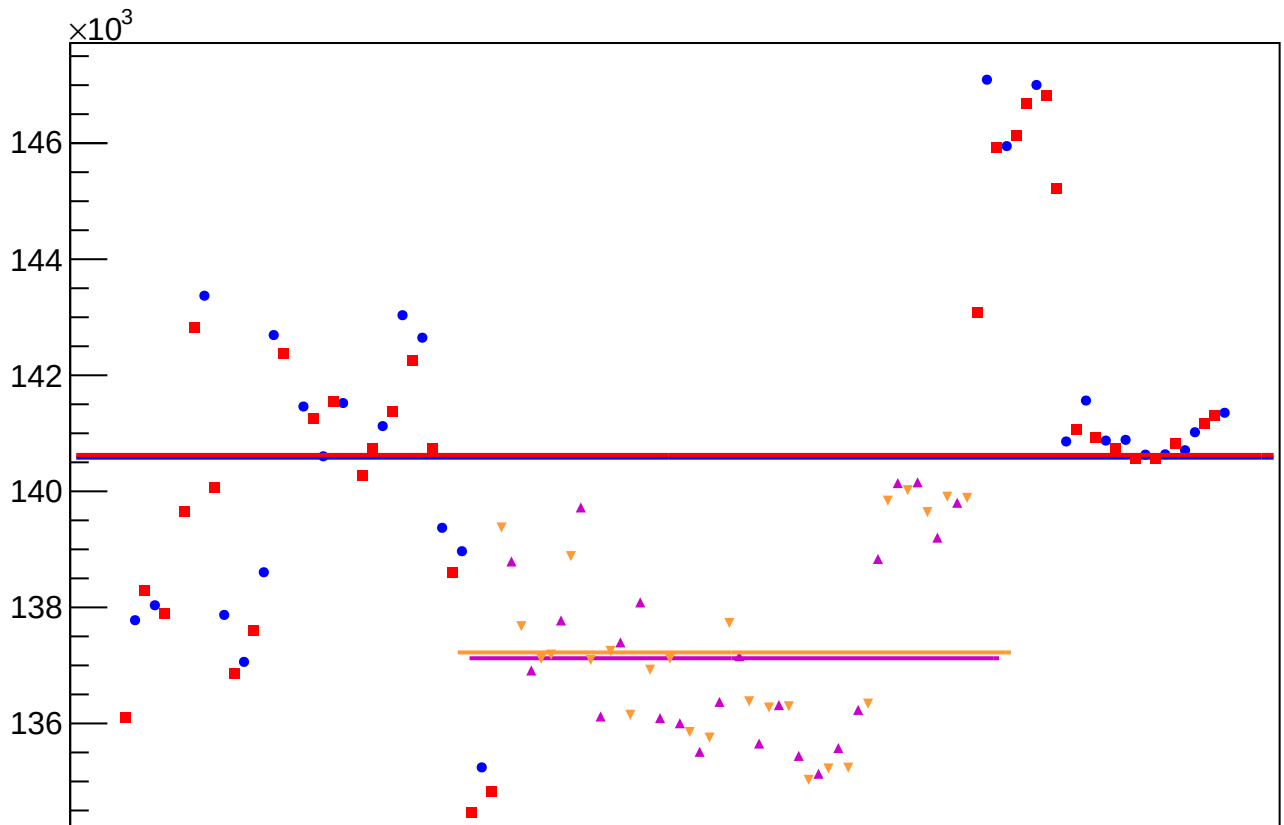
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 171.276+/-0.023 χ^2/NDF: 10560194.3/60

In: 191.718+/-0.024 χ^2/NDF:6379784.9/50

Out: 186.866+/-0.023 χ^2/NDF:7397049.5/57

All: 189.158+/-0.017 χ^2/NDF: 13797809.4/10



Right In: 140580.913+/-0.052 χ^2/NDF: 2815170759.6/27

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140627.843+/-0.049 χ^2/NDF: 3246700611.4/32

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

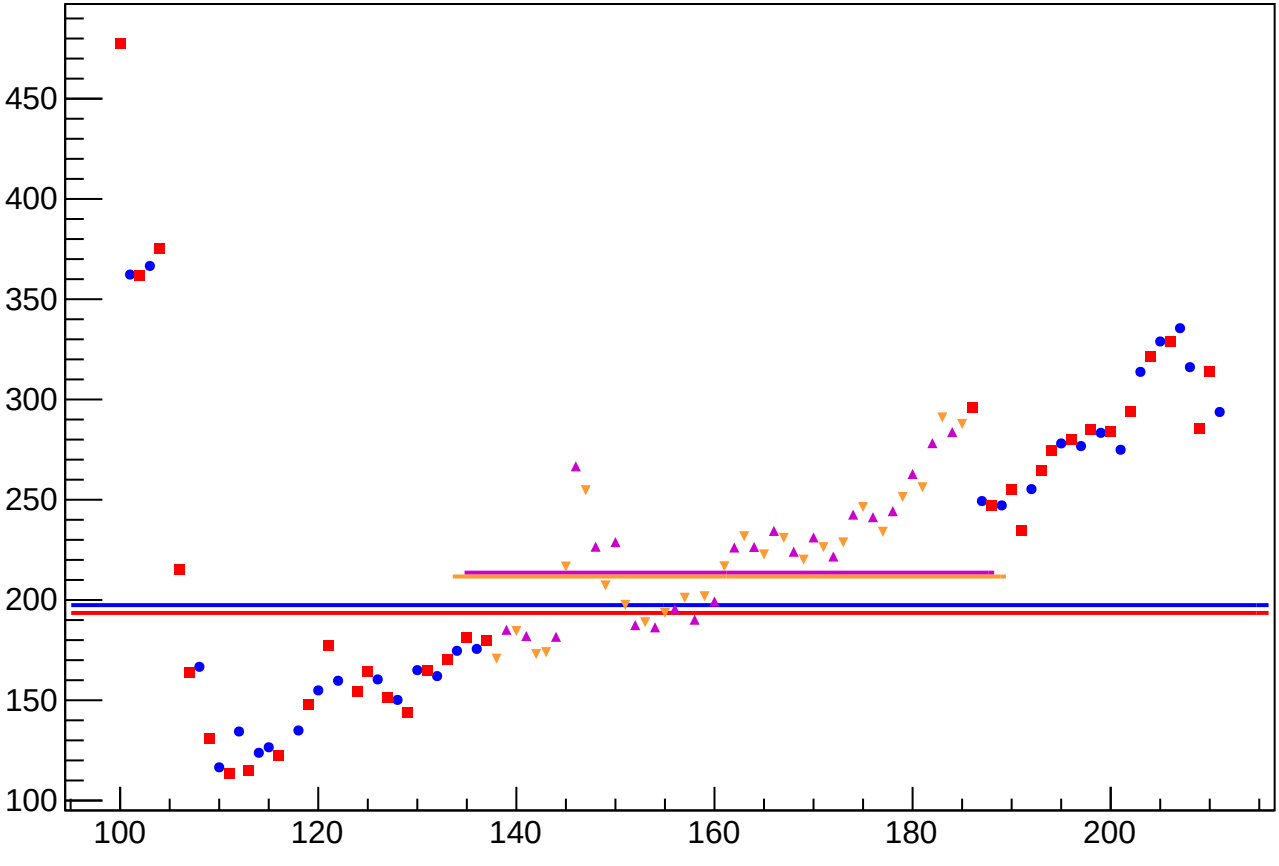
Right: 140605.655+/-0.036 χ^2/NDF: 6062298547.7/

In: 138811.037+/-0.036 χ^2/NDF:5927077750.8/5

Out: 138914.528+/-0.035 χ^2/NDF:6534033601.6/5

All: 138865.146+/-0.025 χ^2/NDF: 12465332

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 197.447+/-0.037 χ^2/NDF: 3767648.7/27

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 193.551+/-0.035 χ^2/NDF: 4426251.8/32

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

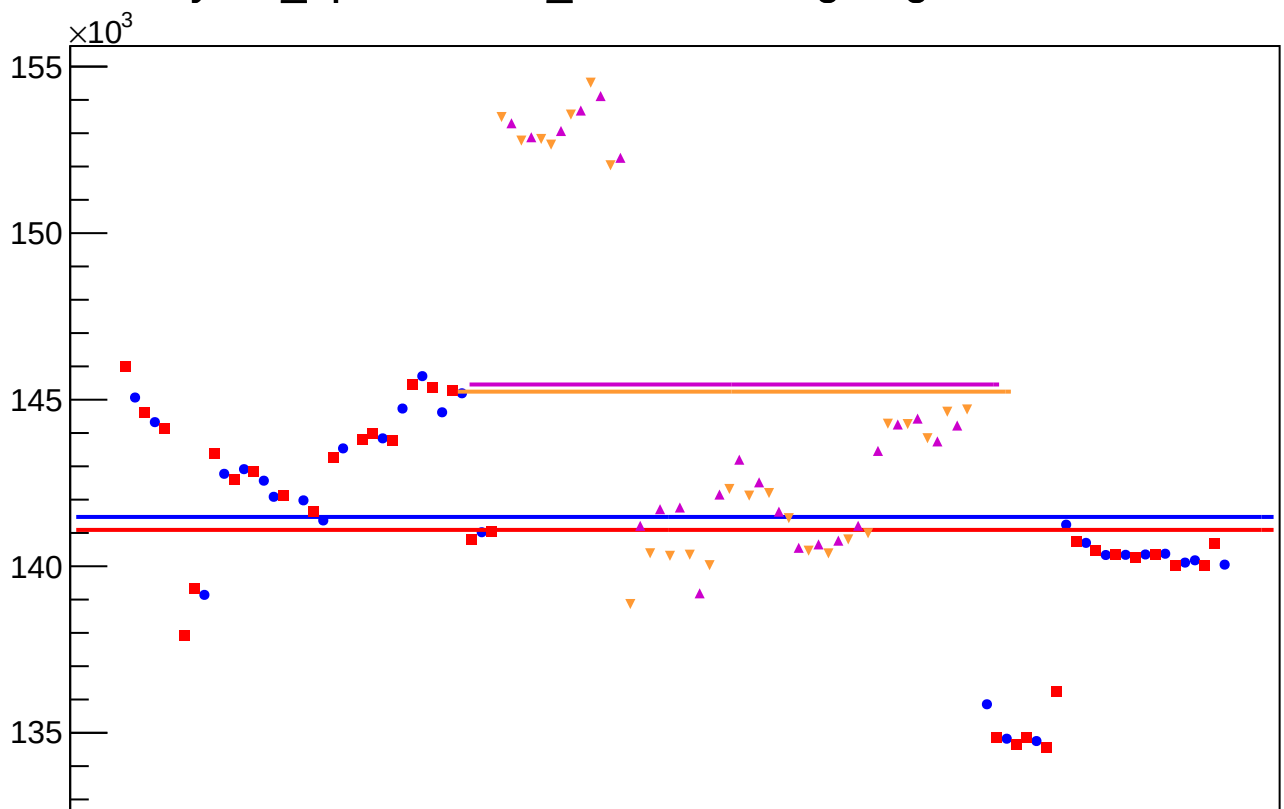
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 195.393+/-0.025 χ^2/NDF: 8199788.8/60

In: 205.737+/-0.026 χ^2/NDF:4487757.8/50

Out: 202.692+/-0.025 χ^2/NDF:5238066.1/57

All: 204.145+/-0.018 χ^2/NDF: 9733130.2/108



Right In: 141480.682+/-0.052 χ^2/NDF: 2824274059.6/27

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141091.578+/-0.049 χ^2/NDF: 4425370698.8/32

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

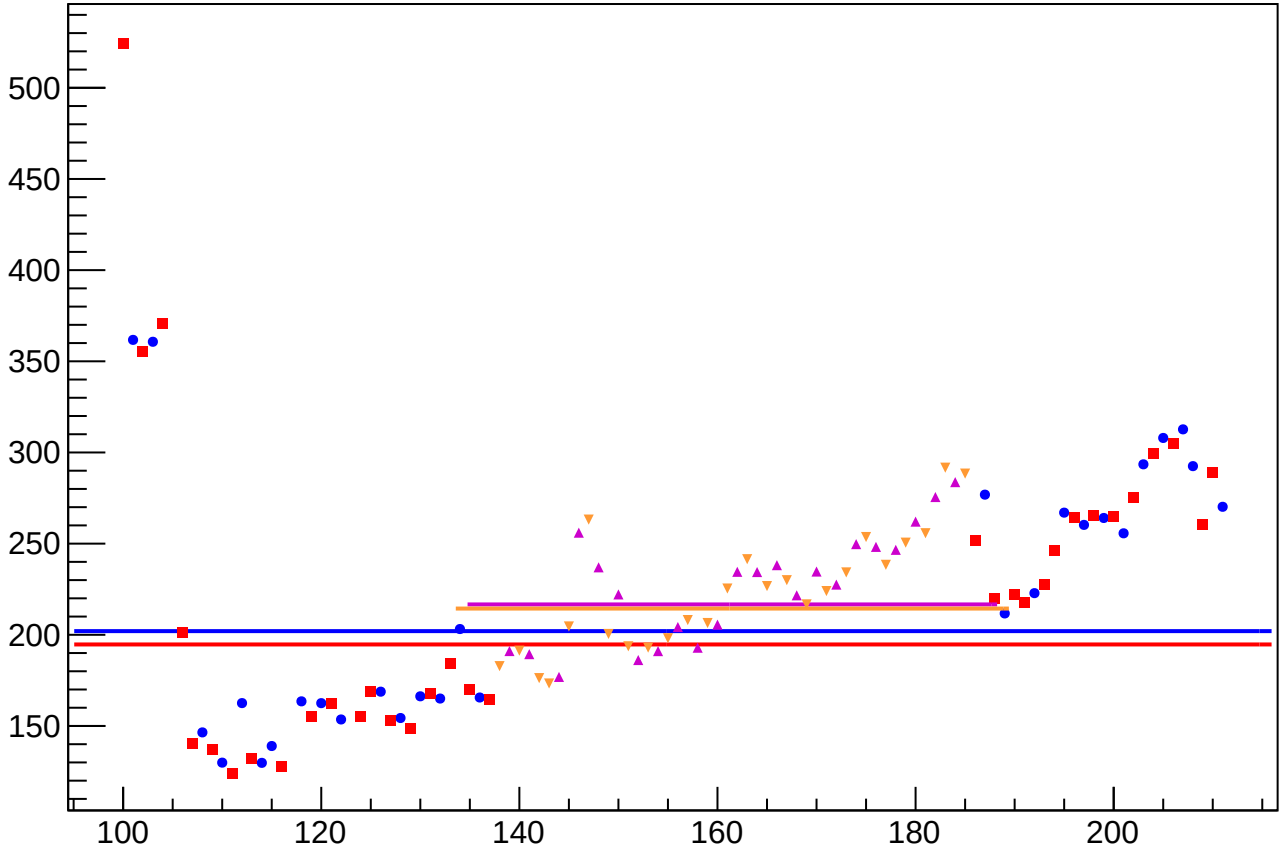
Right: 141272.040+/-0.036 χ^2/NDF: 7279206929.4/

In: 143500.227+/-0.037 χ^2/NDF:16821261746.7/5

Out: 143129.646+/-0.035 χ^2/NDF:21019860672.3

All: 143304.636+/-0.025 χ^2/NDF: 37894760

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 202.017+/-0.037 χ^2/NDF: 2704324.4/27

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 194.704+/-0.034 χ^2/NDF: 3182796.6/32

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

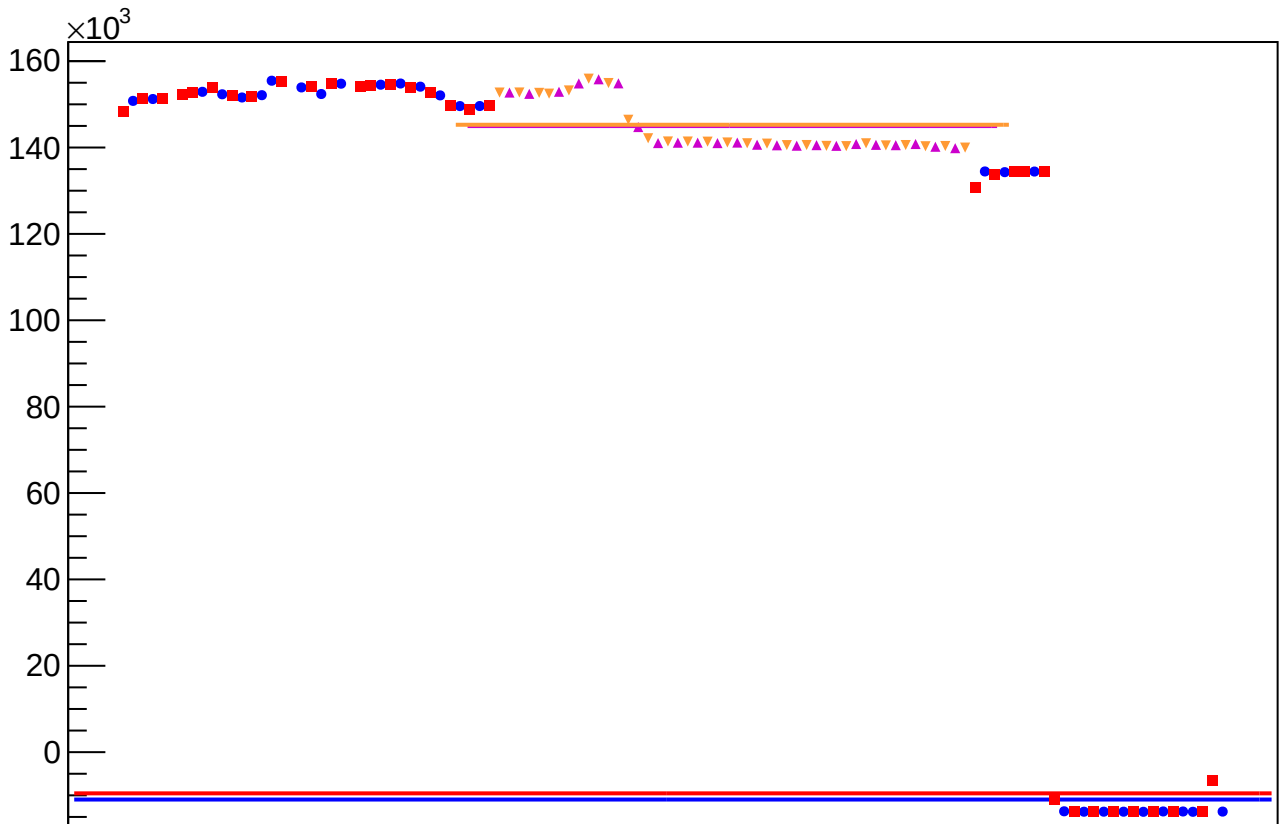
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 198.096+/-0.025 χ^2/NDF: 5908005.8/60

In: 209.452+/-0.026 χ^2/NDF:3370742.7/50

Out: 204.371+/-0.025 χ^2/NDF:3986419.5/57

All: 206.770+/-0.018 χ^2/NDF: 7377329.7/108



Right In: -10970.868+/-0.009 χ^2/NDF: 5881610317937.0/27

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9538.702+/-0.009 χ^2/NDF: 7135883444738.4/32

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

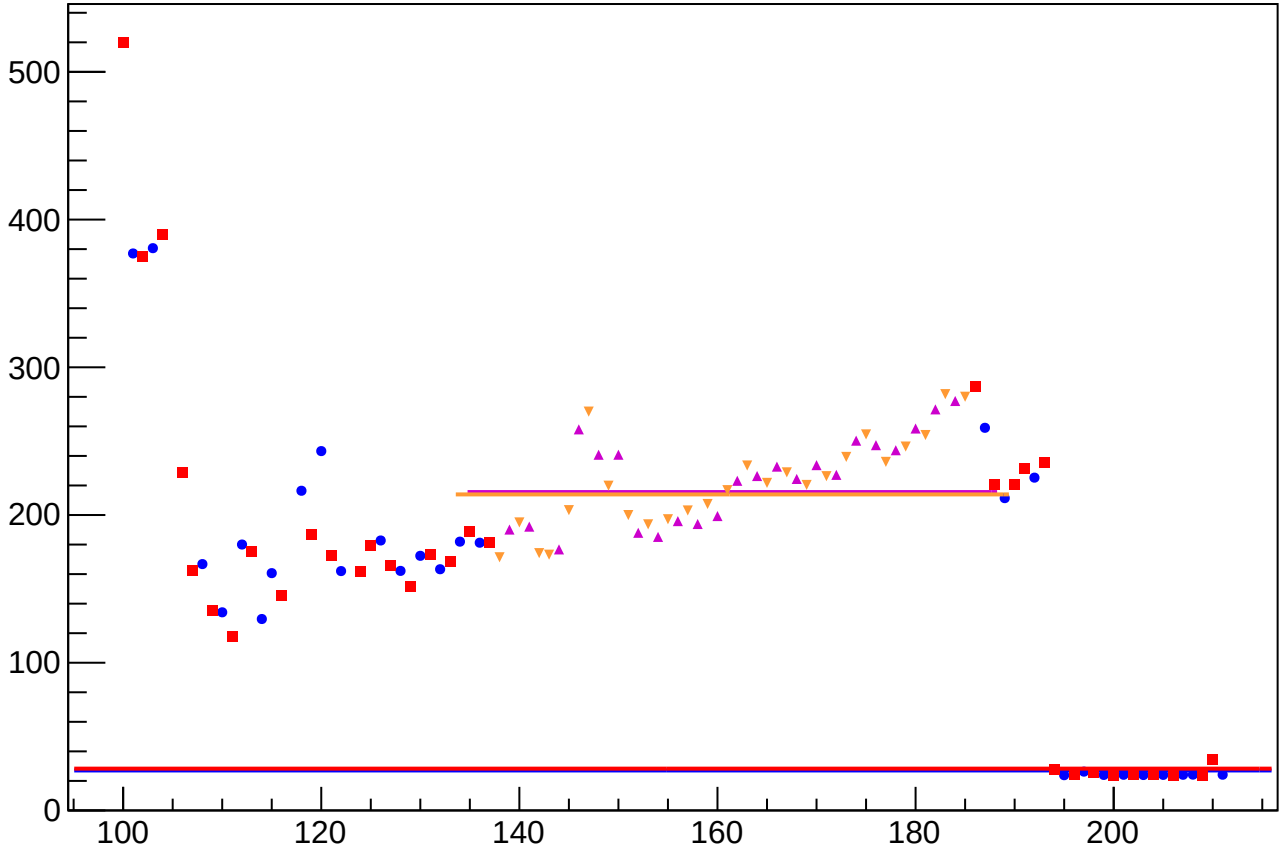
Right: -10305.033+/-0.006 χ^2/NDF: 130299523175

In: -6547.696+/-0.009 χ^2/NDF:14906138116187.5

Out: -4142.431+/-0.009 χ^2/NDF:16632602530011

All: -5425.440+/-0.006 χ^2/NDF: 3157503667

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.080+/-0.006 χ^2/NDF: 12689106.3/27

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.306+/-0.007 χ^2/NDF: 14450120.5/32

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

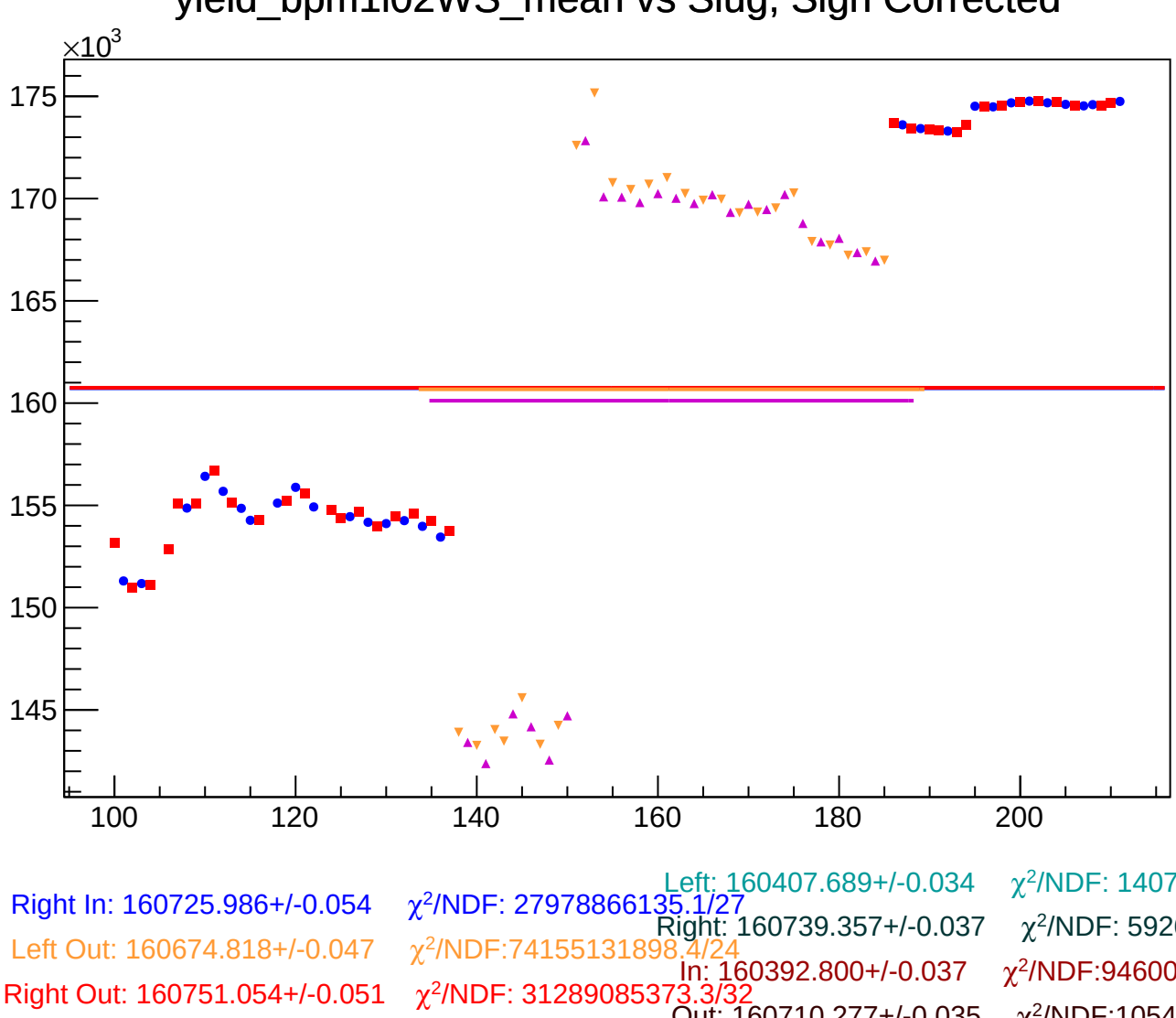
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.650+/-0.005 χ^2/NDF: 27157508.2/60

In: 32.425+/-0.006 χ^2/NDF:39613831.6/50

Out: 34.778+/-0.007 χ^2/NDF:42374895.4/57

All: 33.523+/-0.004 χ^2/NDF: 82058153.0/108



Right In: 160725.986+/-0.054 χ^2/NDF: 27978866135.1/27

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160751.054+/-0.051 χ^2/NDF: 31289085373.3/32

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

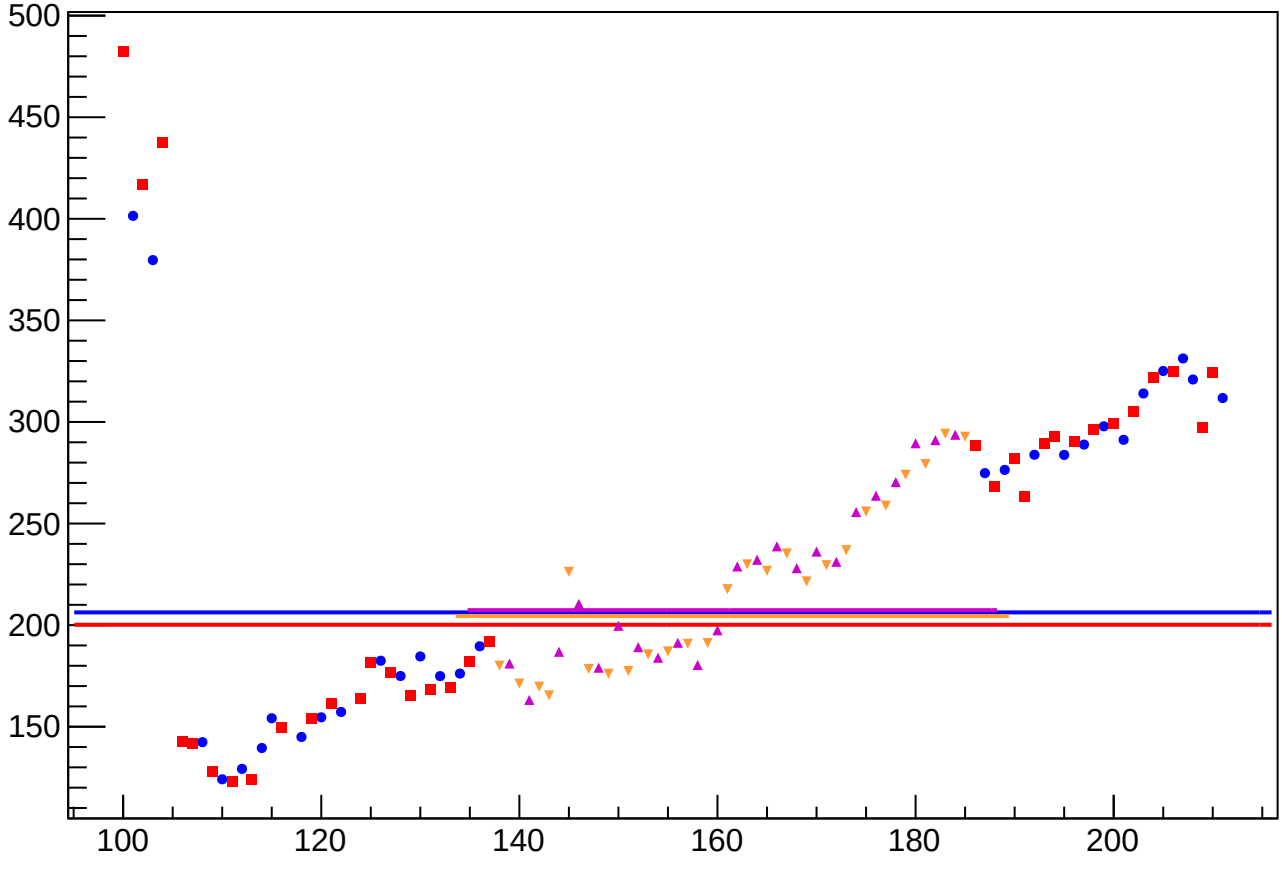
Right: 160739.357+/-0.037 χ^2/NDF: 59268065029.

In: 160392.800+/-0.037 χ^2/NDF:94600722140.5/

Out: 160710.277+/-0.035 χ^2/NDF:105445420847.

All: 160559.967+/-0.025 χ^2/NDF: 20008586

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 206.272+/-0.038 χ^2/NDF: 3775875.9/27

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 200.194+/-0.036 χ^2/NDF: 4541615.9/32

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

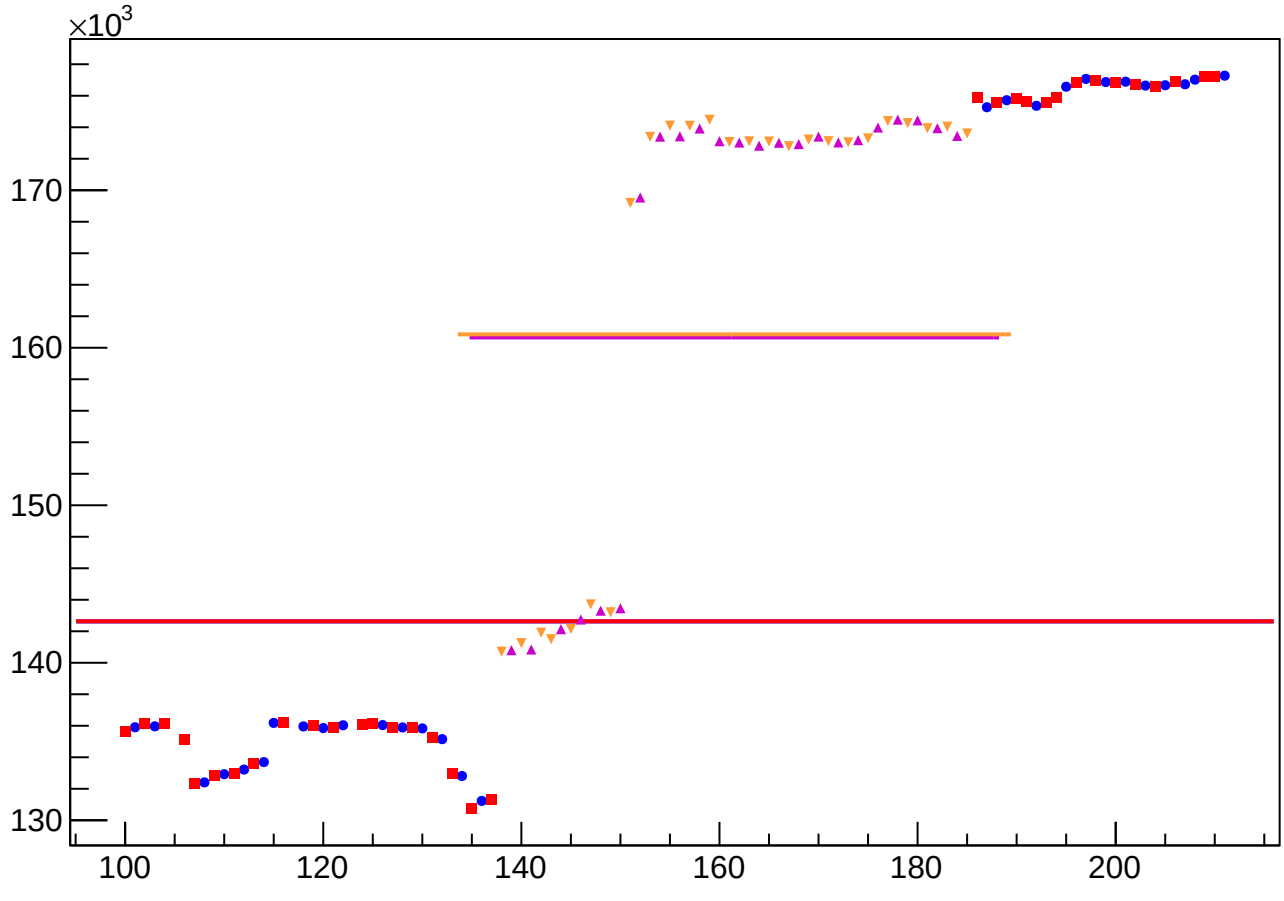
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 203.030+/-0.026 χ^2/NDF: 8330836.2/60

In: 206.872+/-0.026 χ^2/NDF:4732965.6/50

Out: 202.485+/-0.025 χ^2/NDF:5622408.0/57

All: 204.562+/-0.018 χ^2/NDF: 10370547.0/10



Right In: 142624.864+/-0.046 χ^2/NDF: 137902051151.7/27

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 142633.199+/-0.043 χ^2/NDF: 156207445844.0/32

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

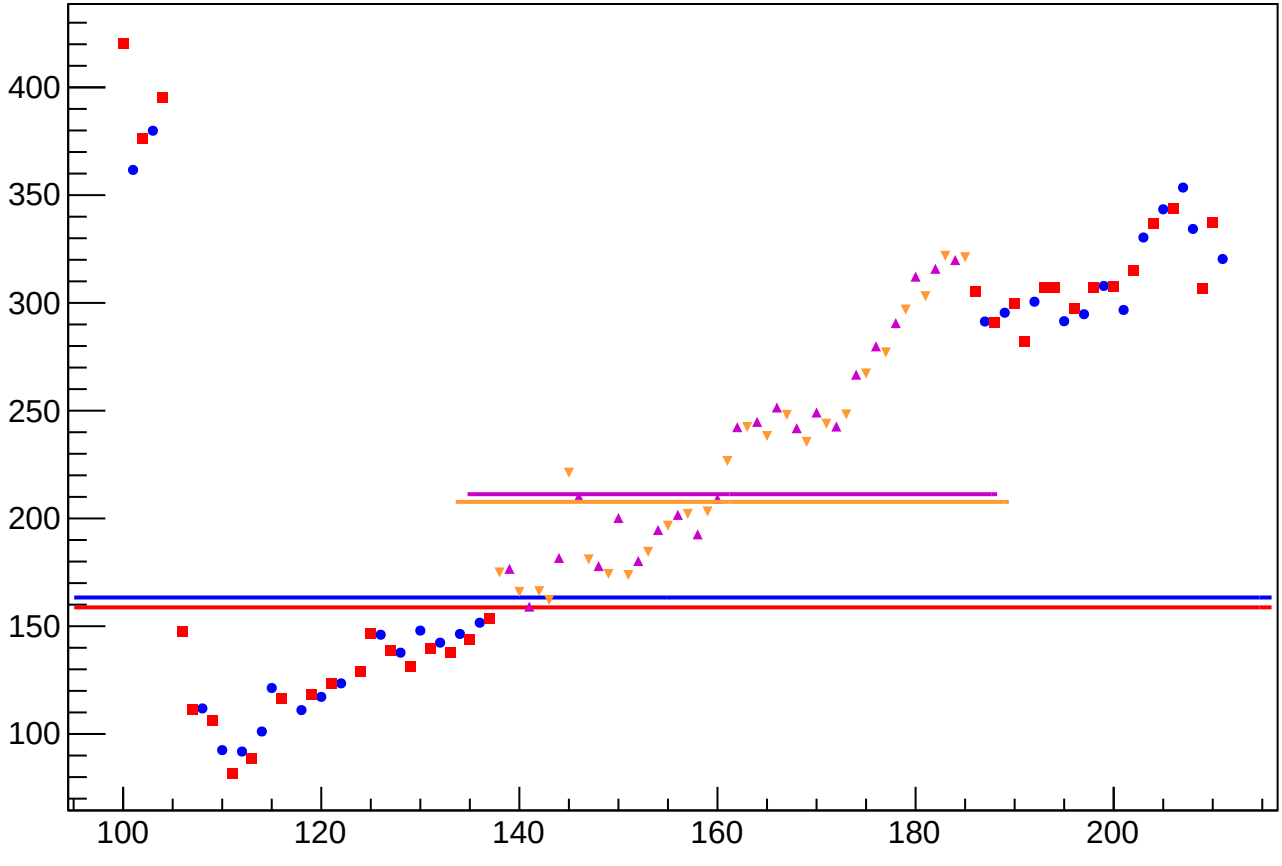
Right: 142629.278+/-0.031 χ^2/NDF: 294109514739

In: 150691.036+/-0.034 χ^2/NDF:298190795441.1

Out: 150647.228+/-0.032 χ^2/NDF:334668235567.

All: 150667.985+/-0.023 χ^2/NDF: 63285991

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 163.326+/-0.032 χ^2/NDF: 6862701.5/27

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 158.741+/-0.030 χ^2/NDF: 7983007.4/32

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

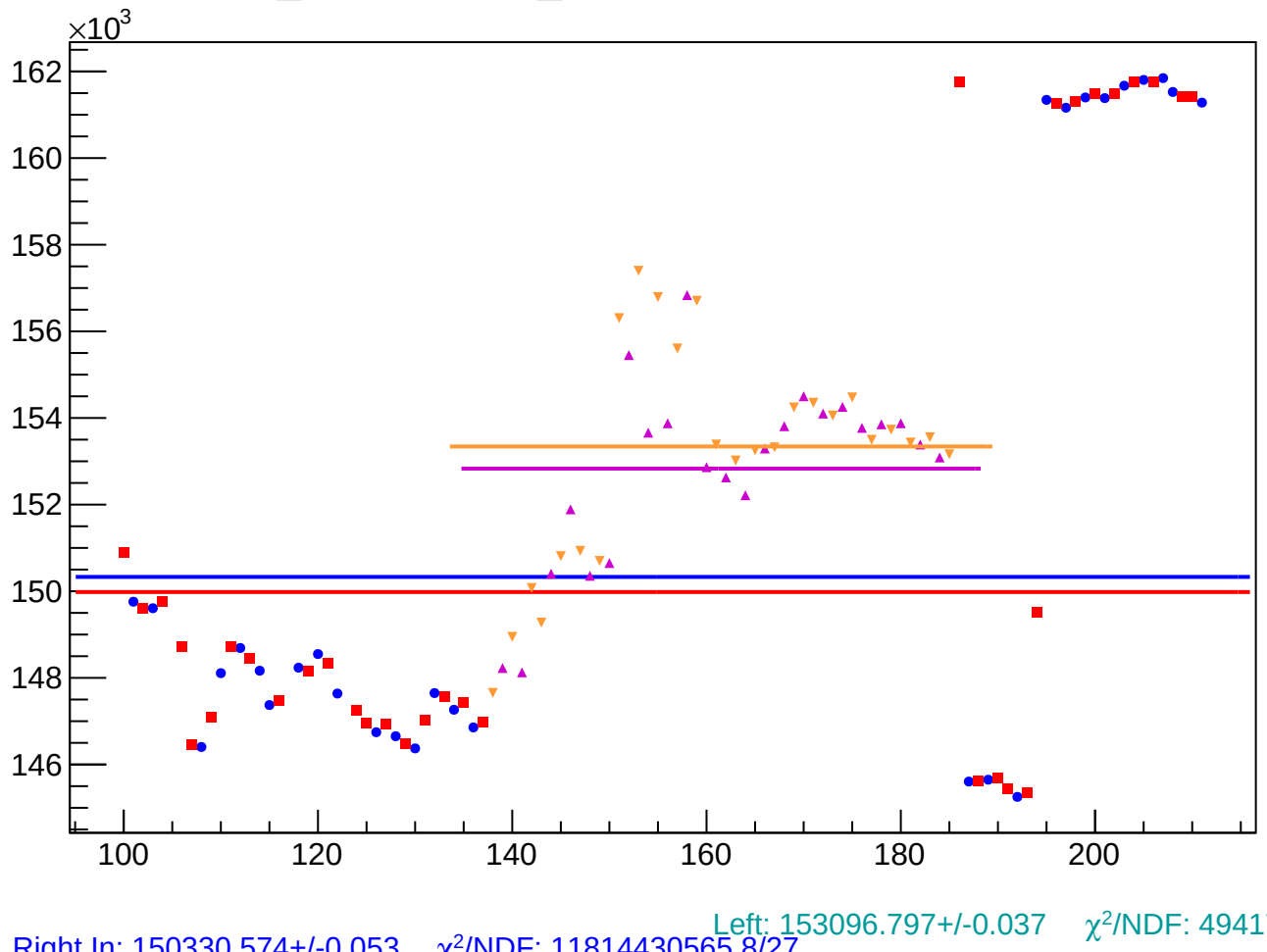
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 160.898+/-0.022 χ^2/NDF: 14856443.9/60

In: 184.769+/-0.024 χ^2/NDF:9159774.0/50

Out: 180.273+/-0.023 χ^2/NDF:10628029.8/57

All: 182.403+/-0.016 χ^2/NDF: 19806363.3/10



Right In: 150330.574+/-0.053 χ^2/NDF: 11814430565.8/27

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149982.073+/-0.050 χ^2/NDF: 11613416462.0/32

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

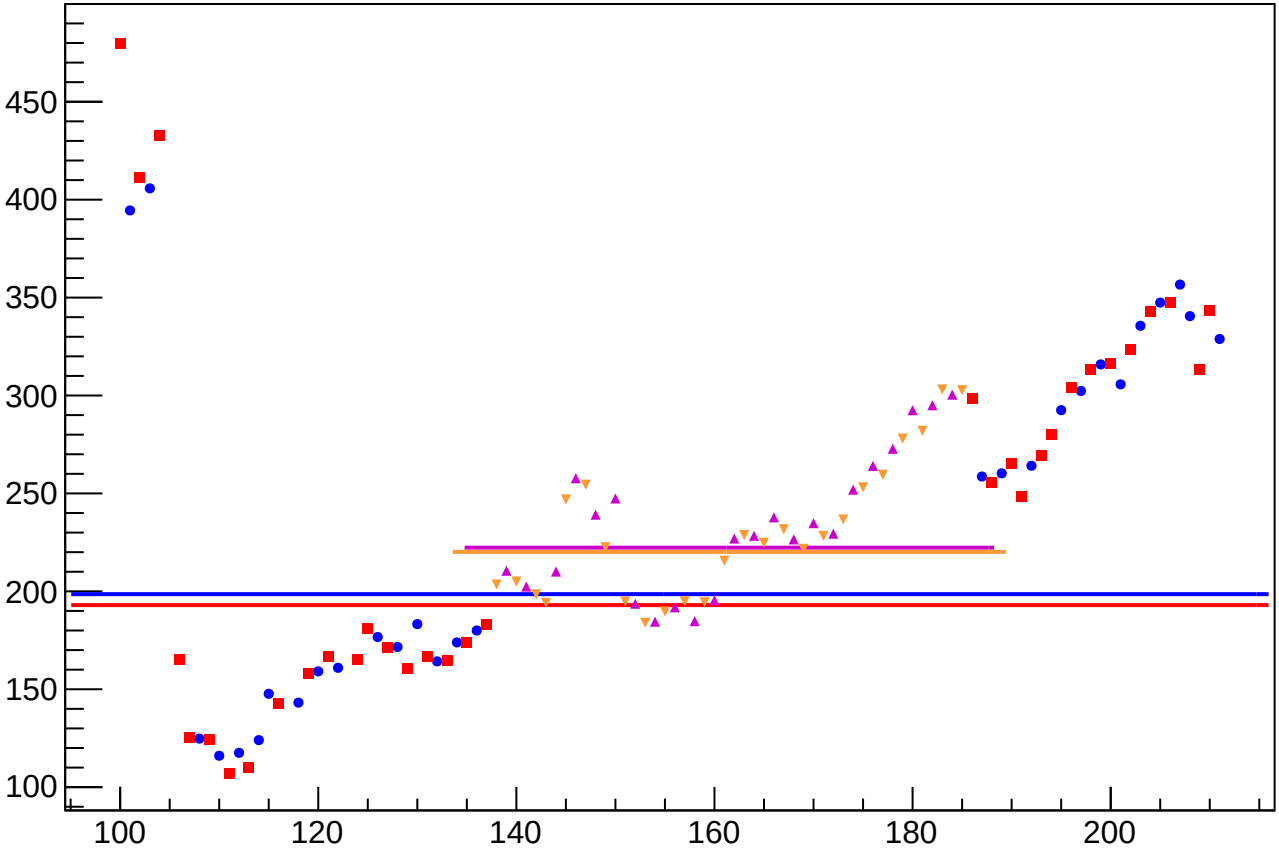
Right: 150144.992+/-0.036 χ^2/NDF: 23450750202.8

In: 151589.020+/-0.037 χ^2/NDF:14843306687.8/5

Out: 151628.523+/-0.036 χ^2/NDF:16823908200.9

All: 151609.796+/-0.026 χ^2/NDF: 31667999

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 198.564+/-0.038 χ^2/NDF: 4676913.6/27

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 192.976+/-0.035 χ^2/NDF: 5400491.2/32

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

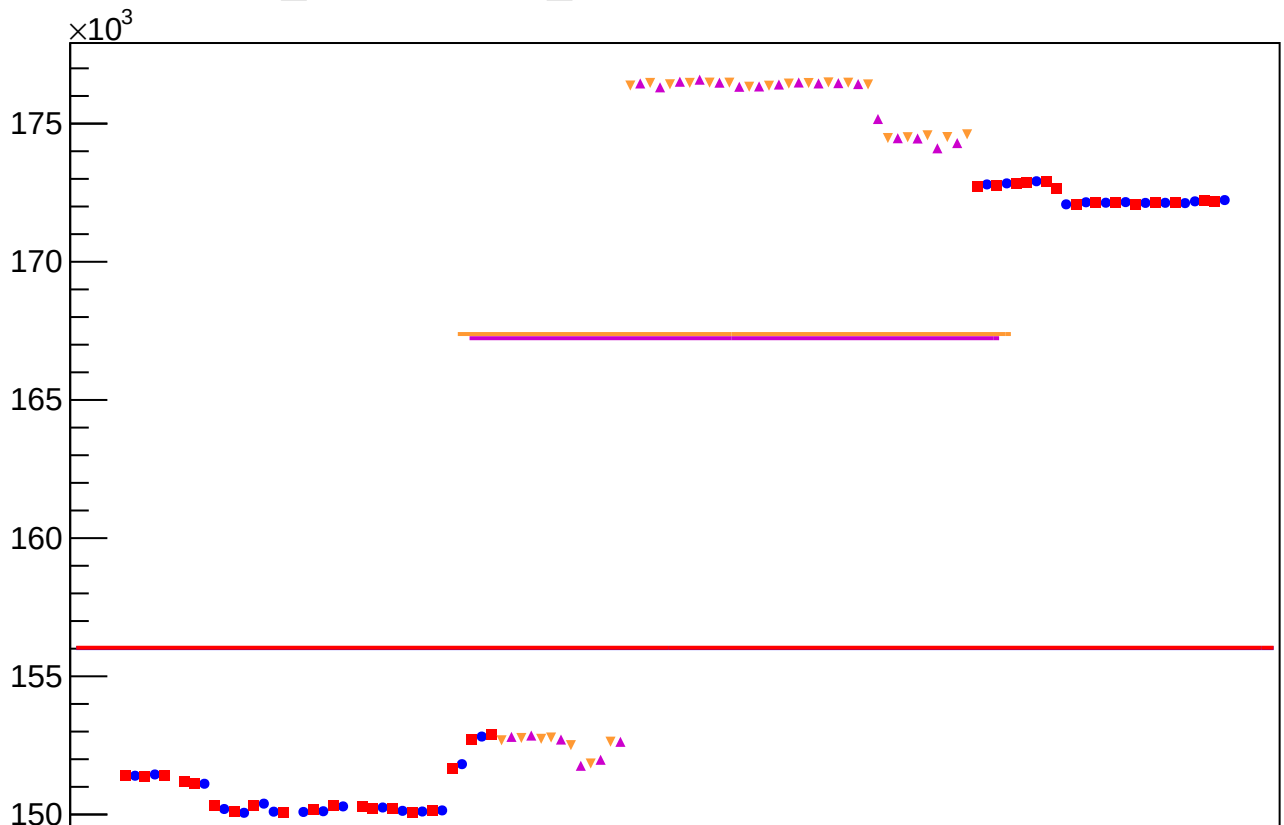
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 195.588+/-0.026 χ^2/NDF: 10089179.5/60

In: 210.510+/-0.026 χ^2/NDF:5575388.6/50

Out: 206.293+/-0.025 χ^2/NDF:6378084.4/57

All: 208.292+/-0.018 χ^2/NDF: 11966808.7/10



Right In: 156021.002+/-0.047 χ^2/NDF: 39966994544.6/27

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156033.567+/-0.044 χ^2/NDF: 46141816016.7/32

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

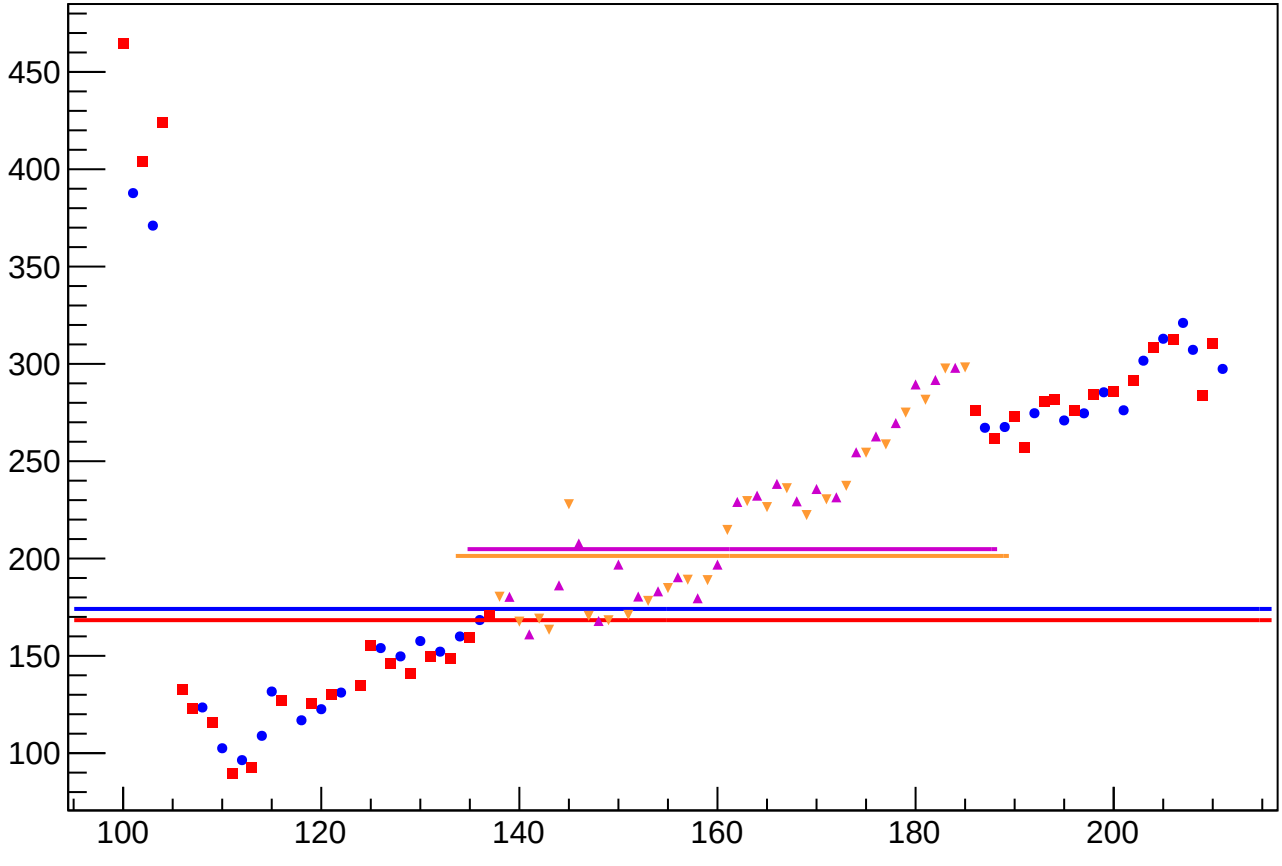
Right: 156027.715+/-0.032 χ^2/NDF: 86108848318.

In: 161440.289+/-0.034 χ^2/NDF:122269034736.4

Out: 161384.372+/-0.032 χ^2/NDF:136937846512.

All: 161410.732+/-0.023 χ^2/NDF: 25920831

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 174.099+/-0.033 χ^2/NDF: 5384840.1/27

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 168.331+/-0.031 χ^2/NDF: 6391218.3/32

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

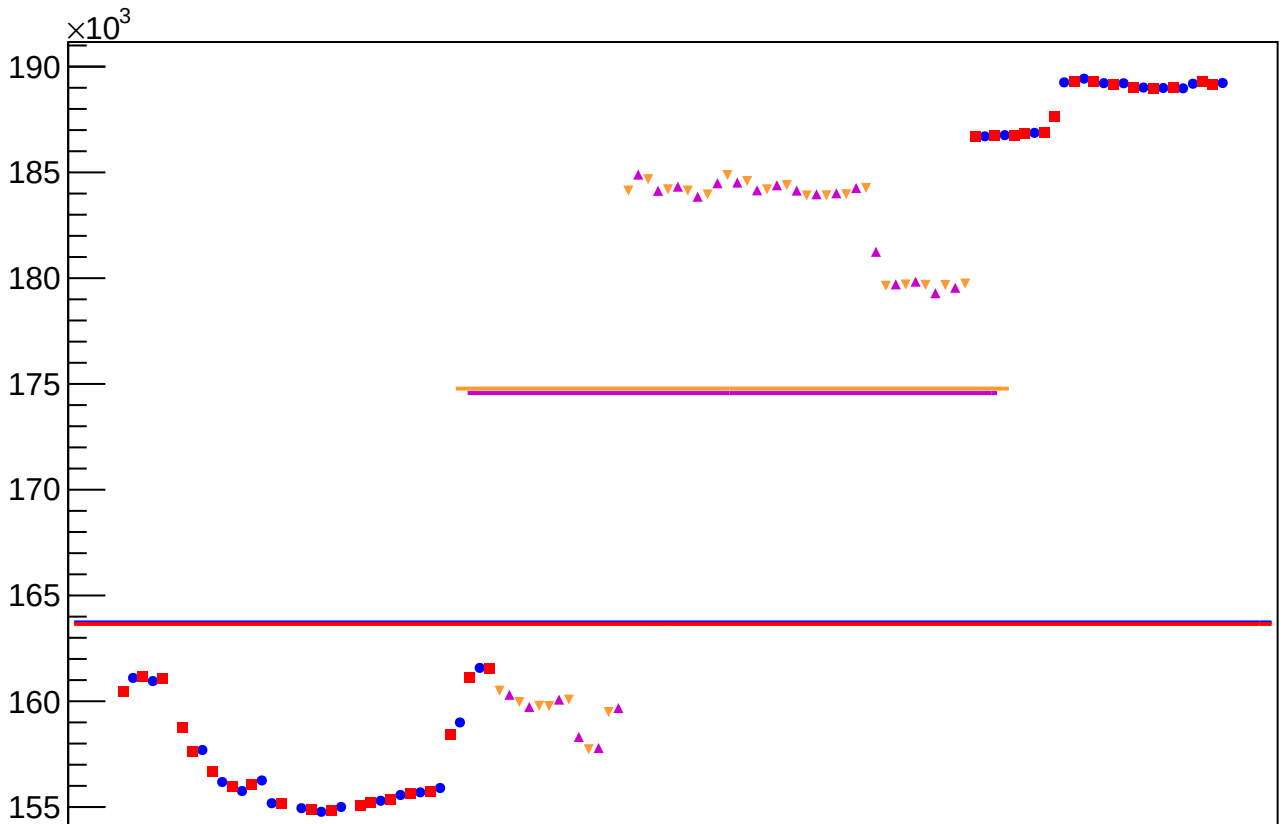
Right: 171.017+/-0.023 χ^2/NDF: 11791975.4/60

In: 188.949+/-0.024 χ^2/NDF:6846494.0/50

Out: 183.884+/-0.023 χ^2/NDF:8149015.9/57

All: 186.272+/-0.016 χ^2/NDF: 15019004.1/10

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 163725.540+/-0.050 χ^2/NDF: 73717891752.0/27

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 163655.706+/-0.047 χ^2/NDF: 82487996850.3/32

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

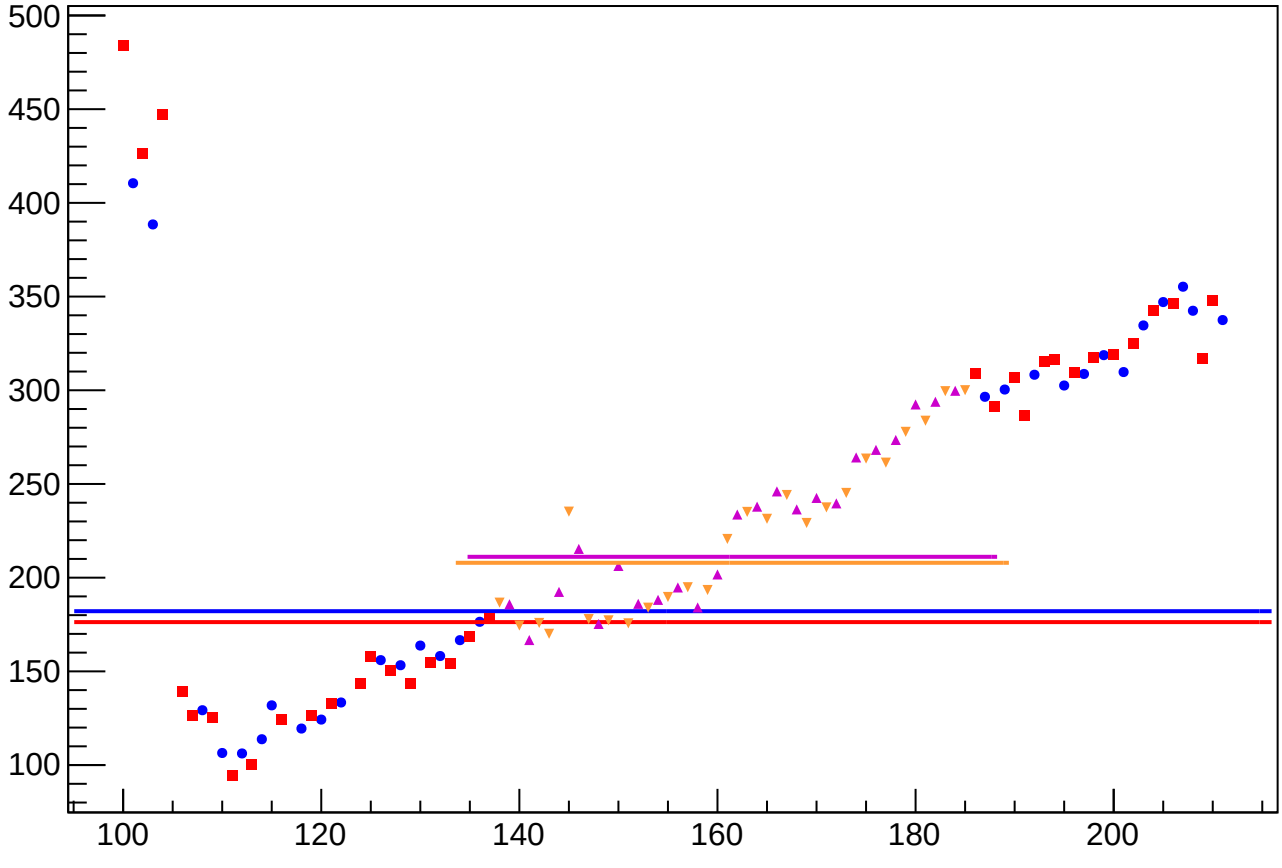
Right: 163688.265+/-0.034 χ^2/NDF: 15620692903

In: 169113.544+/-0.035 χ^2/NDF:151830401848.3

Out: 169047.389+/-0.034 χ^2/NDF:168068071272.

All: 169078.628+/-0.024 χ^2/NDF: 31990030

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 182.112+/-0.035 χ^2/NDF: 6003781.8/27

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 176.288+/-0.033 χ^2/NDF: 7056403.7/32

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

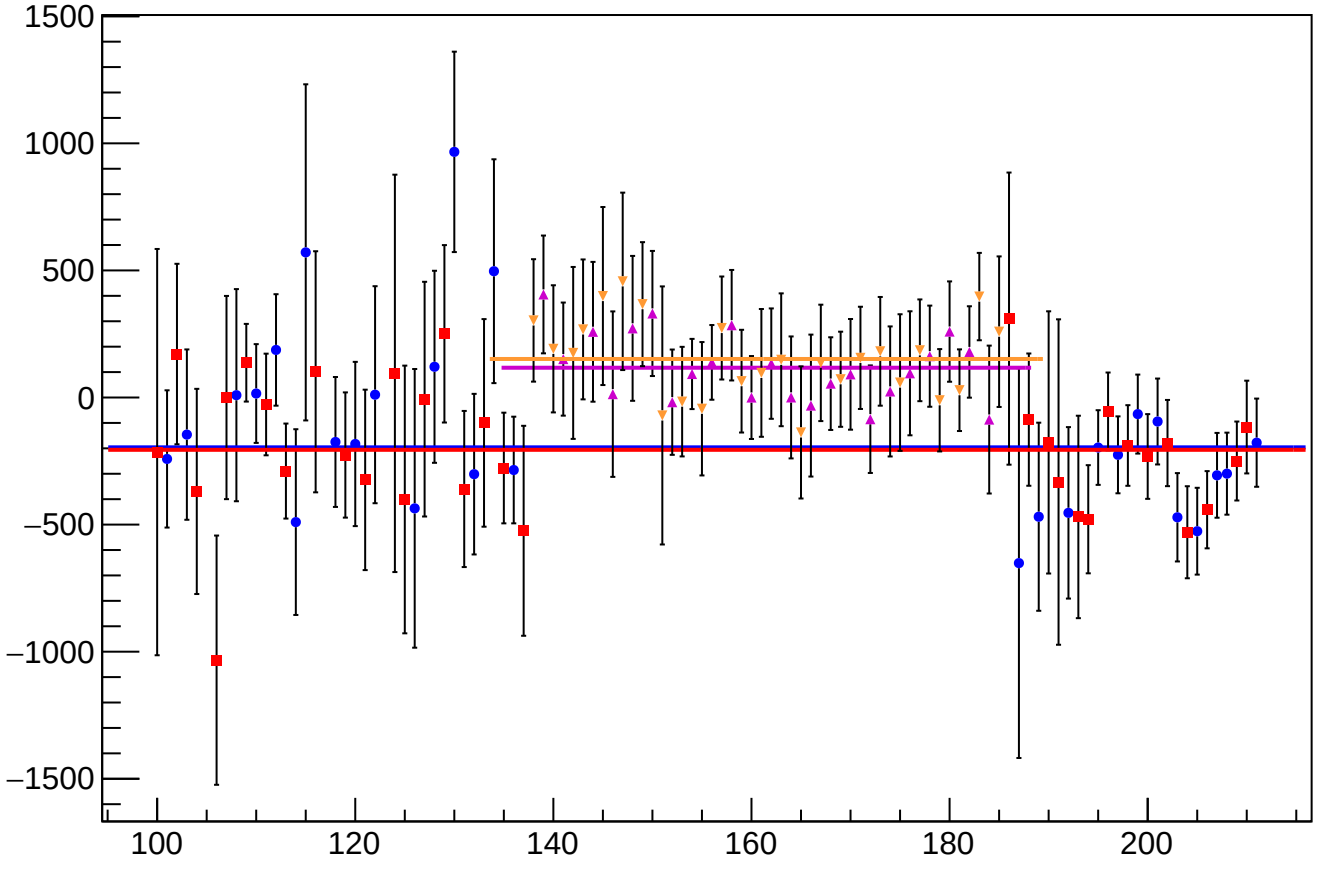
Right: 179.003+/-0.024 χ^2/NDF: 13074660.3/60

In: 196.531+/-0.025 χ^2/NDF:7332024.8/50

Out: 191.628+/-0.024 χ^2/NDF:8632894.3/57

All: 193.943+/-0.017 χ^2/NDF: 15985080.5/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -196.075+/-43.451 χ^2/NDF: 28.8/27

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -205.760+/-42.107 χ^2/NDF: 24.3/32

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

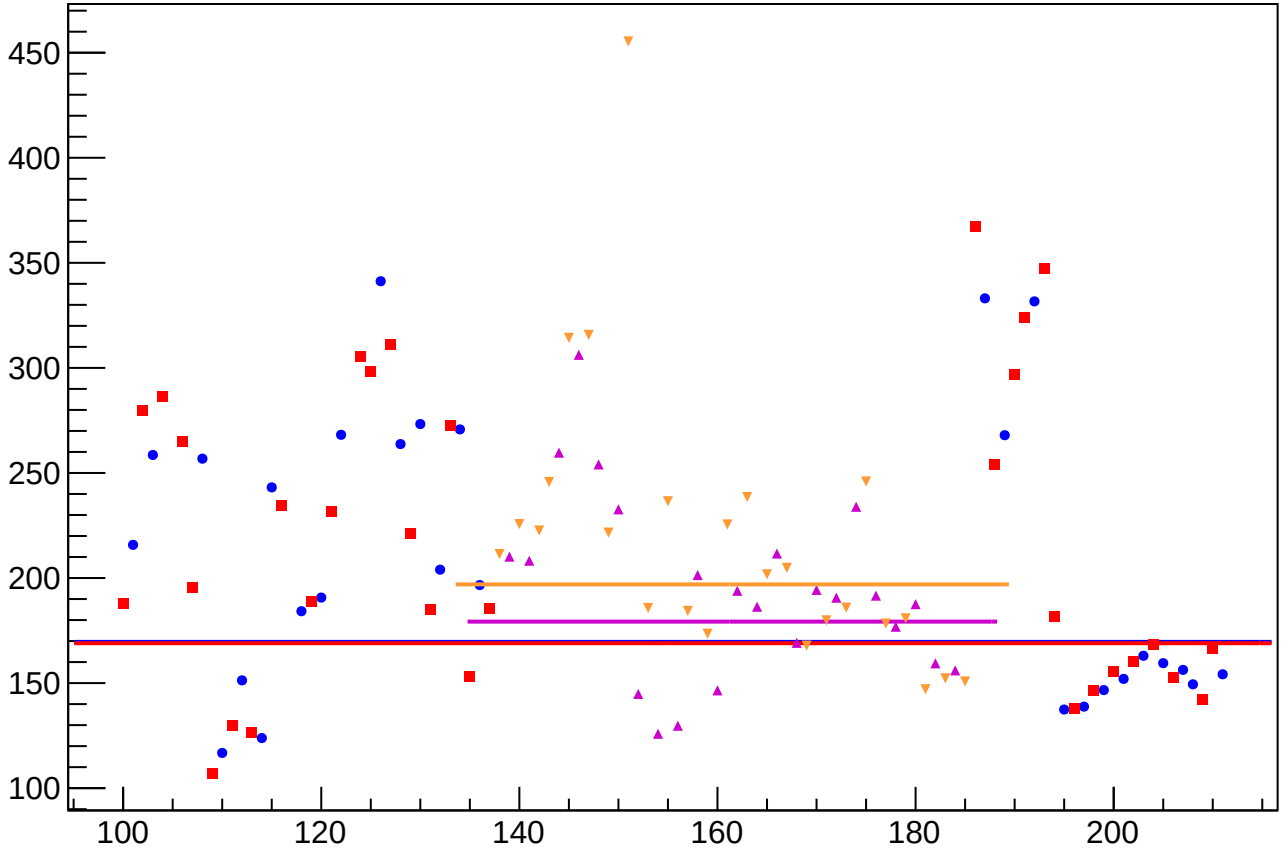
Right: -201.070+/-30.238 χ^2/NDF: 53.1/60

In: -40.630+/-30.840 χ^2/NDF:62.1/50

Out: -44.447+/-31.187 χ^2/NDF:66.4/57

All: -42.517+/-21.929 χ^2/NDF: 128.5/108

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 169.607+/-0.031 χ^2/NDF: 2255277.7/27

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 168.977+/-0.030 χ^2/NDF: 2963074.0/32

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

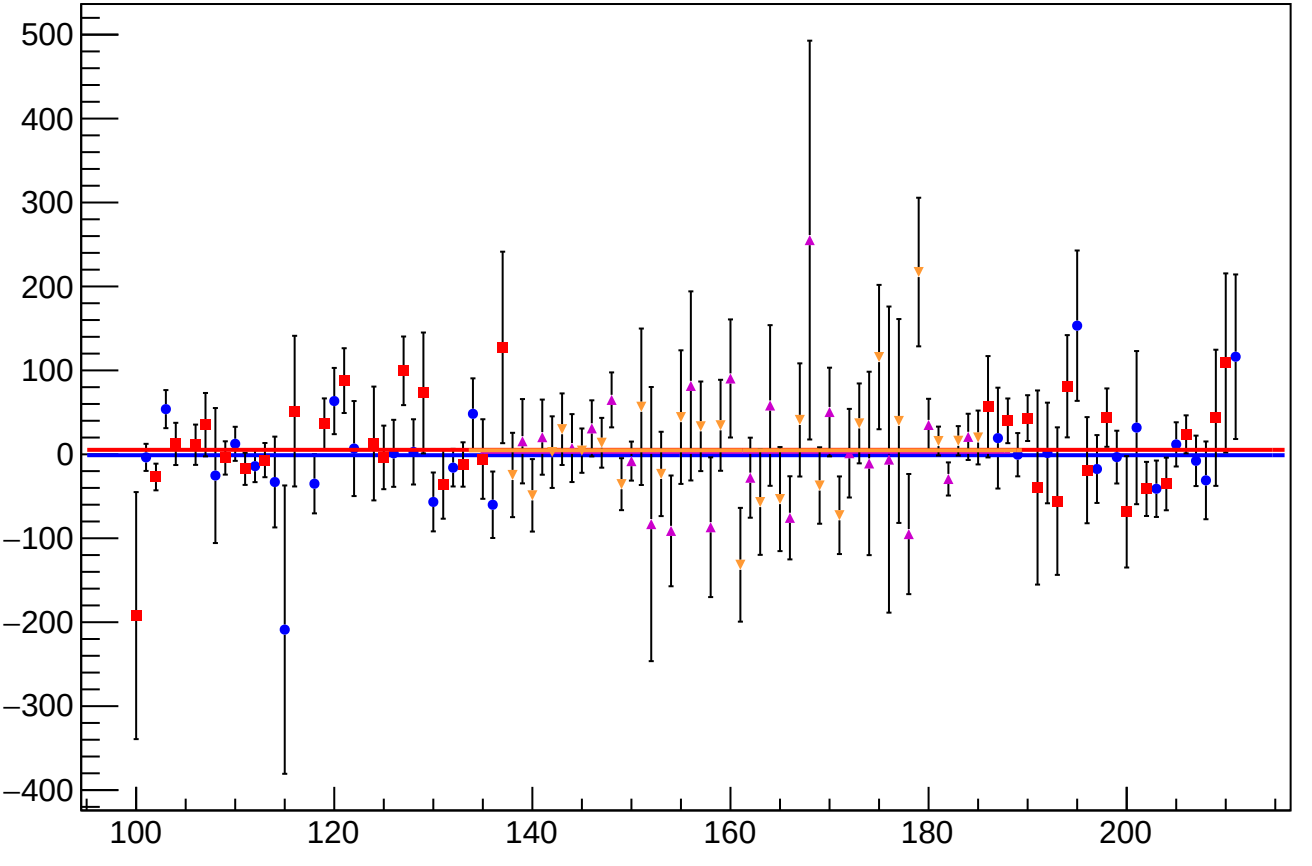
Right: 169.282+/-0.021 χ^2/NDF: 5218568.3/60

In: 174.395+/-0.022 χ^2/NDF:3960240.4/50

Out: 181.616+/-0.022 χ^2/NDF:5171533.3/57

All: 177.965+/-0.016 χ^2/NDF: 9185974.1/108

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -1.046+/-6.144 χ^2/NDF: 25.8/27

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 5.359+/-5.696 χ^2/NDF: 38.2/32

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

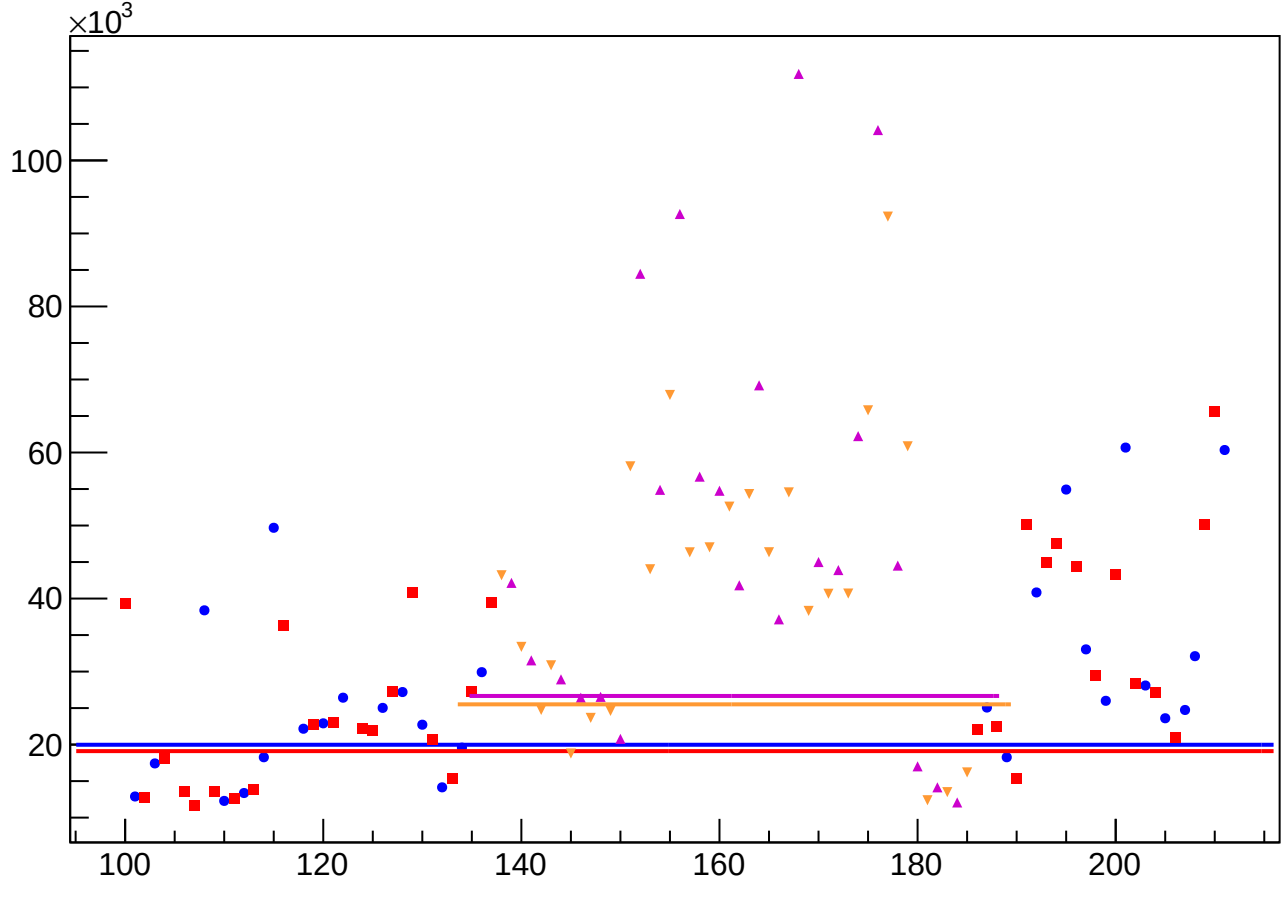
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.398+/-4.177 χ^2/NDF: 64.6/60

In: 0.245+/-5.045 χ^2/NDF:47.5/50

Out: 5.159+/-4.558 χ^2/NDF:62.5/57

All: 2.951+/-3.382 χ^2/NDF: 110.5/108



Right In: 19977.831+/-4.344 χ^2/NDF: 3457232.2/27

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19106.435+/-4.028 χ^2/NDF: 4202486.4/32

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

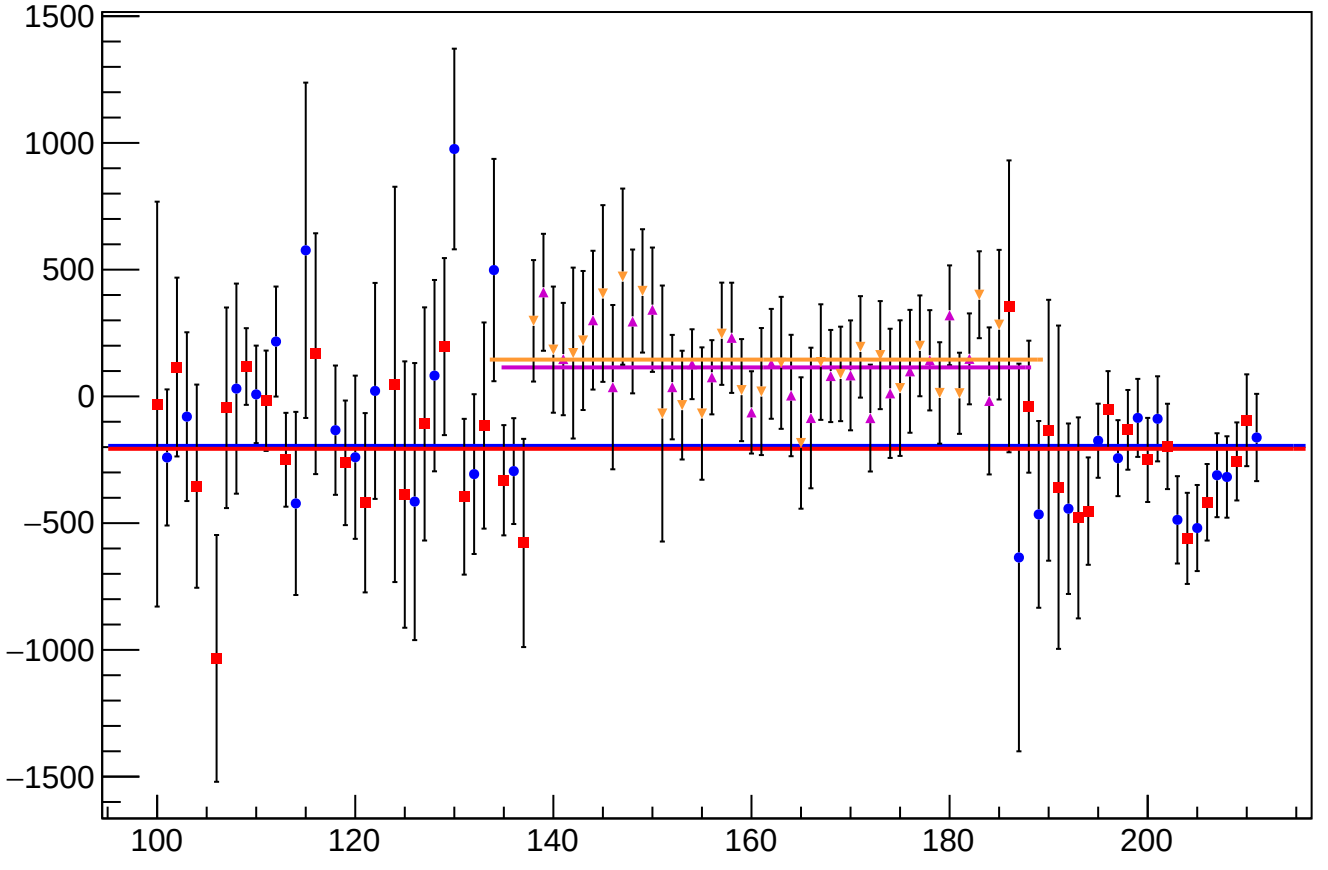
Right: 19509.241+/-2.954 χ^2/NDF: 7681354.3/60

In: 22154.403+/-3.567 χ^2/NDF:10111169.1/50

Out: 21410.291+/-3.223 χ^2/NDF:12854812.7/57

All: 21744.727+/-2.392 χ^2/NDF: 22989935.9

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -195.284+/-43.163 χ^2/NDF: 29.6/27

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -206.735+/-41.840 χ^2/NDF: 24.8/32

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

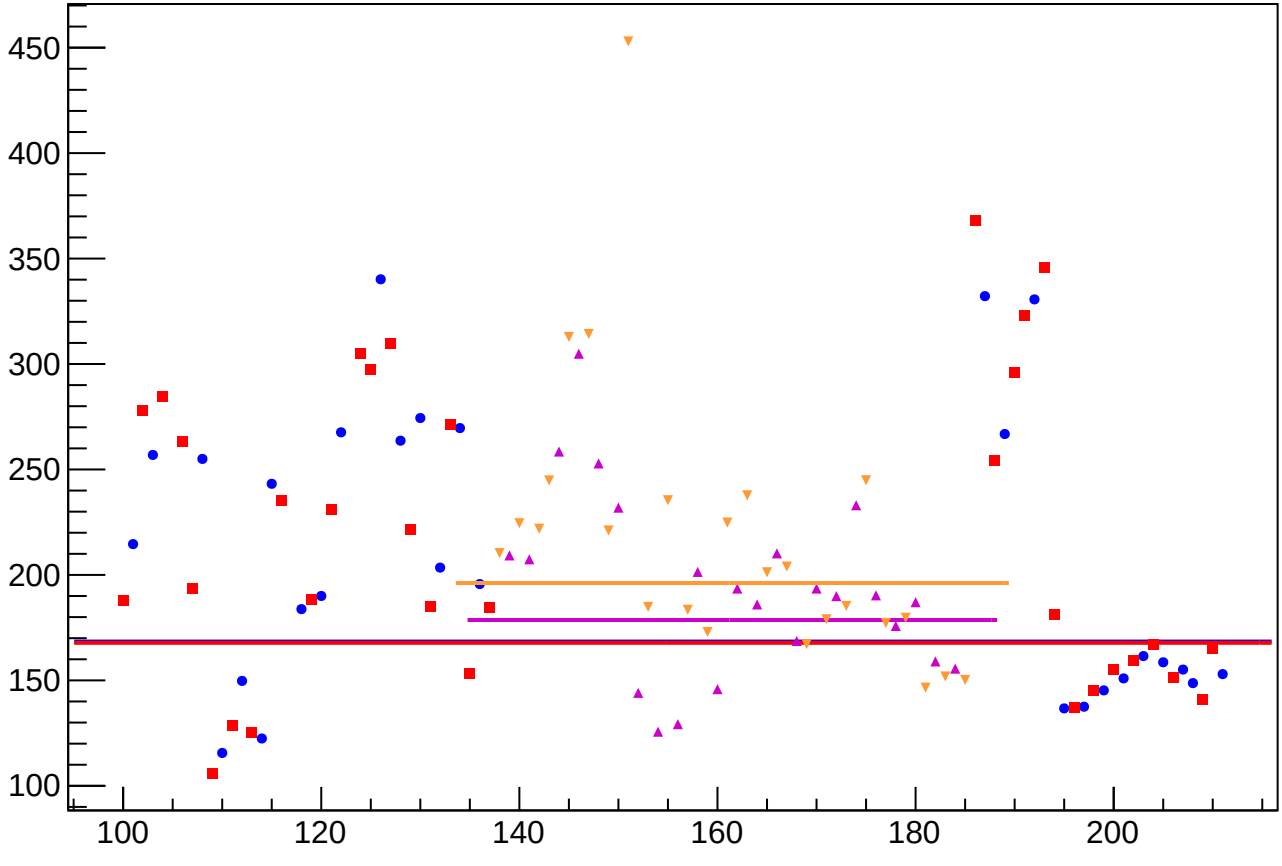
Right: -201.187+/-30.042 χ^2/NDF: 54.4/60

In: -42.072+/-30.681 χ^2/NDF:63.5/50

Out: -48.263+/-31.020 χ^2/NDF:67.8/57

All: -45.133+/-21.814 χ^2/NDF: 131.3/108

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 168.403+/-0.031 χ^2/NDF: 2284642.9/27

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 167.810+/-0.030 χ^2/NDF: 3001460.1/32

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

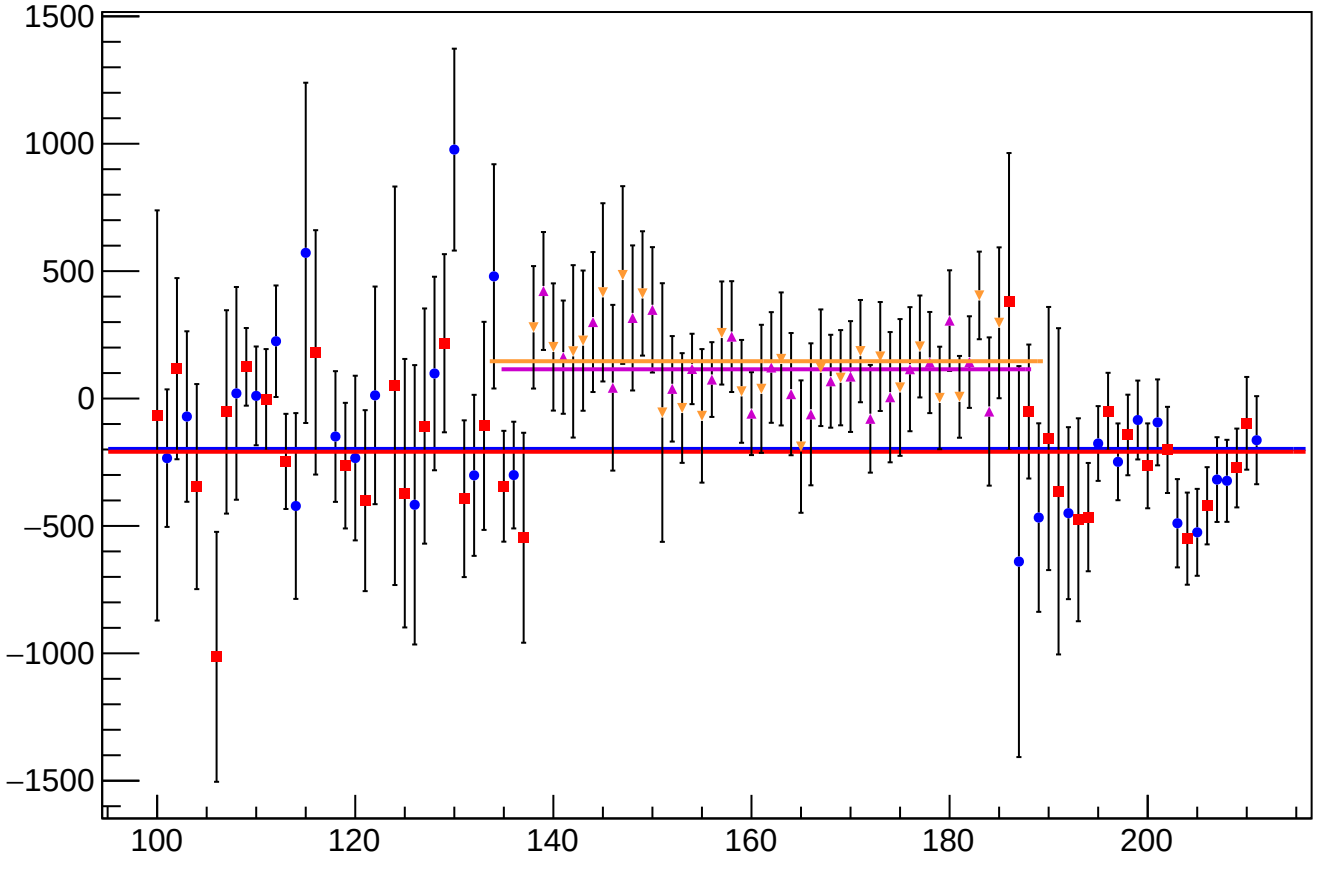
Right: 168.097+/-0.021 χ^2/NDF: 5286297.7/60

In: 173.458+/-0.022 χ^2/NDF:3991968.0/50

Out: 180.579+/-0.022 χ^2/NDF:5222006.5/57

All: 176.979+/-0.015 χ^2/NDF: 9267252.1/108

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -197.784+/-43.371 χ^2/NDF: 29.7/27

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -208.865+/-42.052 χ^2/NDF: 24.7/32

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

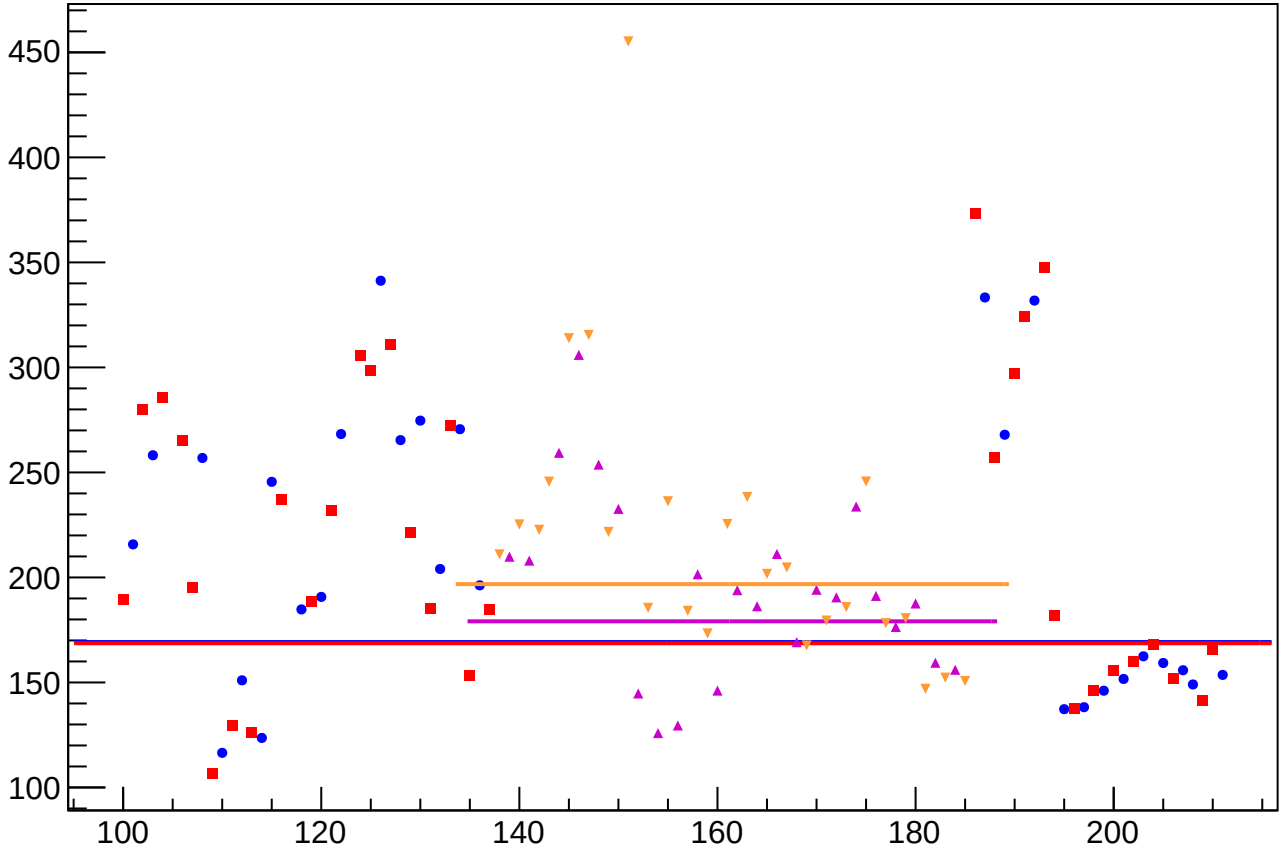
Right: -203.495+/-30.191 χ^2/NDF: 54.5/60

In: -42.814+/-30.798 χ^2/NDF:63.9/50

Out: -48.567+/-31.153 χ^2/NDF:68.3/57

All: -45.658+/-21.902 χ^2/NDF: 132.2/108

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 169.233+/-0.031 χ^2/NDF: 2277233.4/27

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 168.664+/-0.030 χ^2/NDF: 2998976.5/32

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

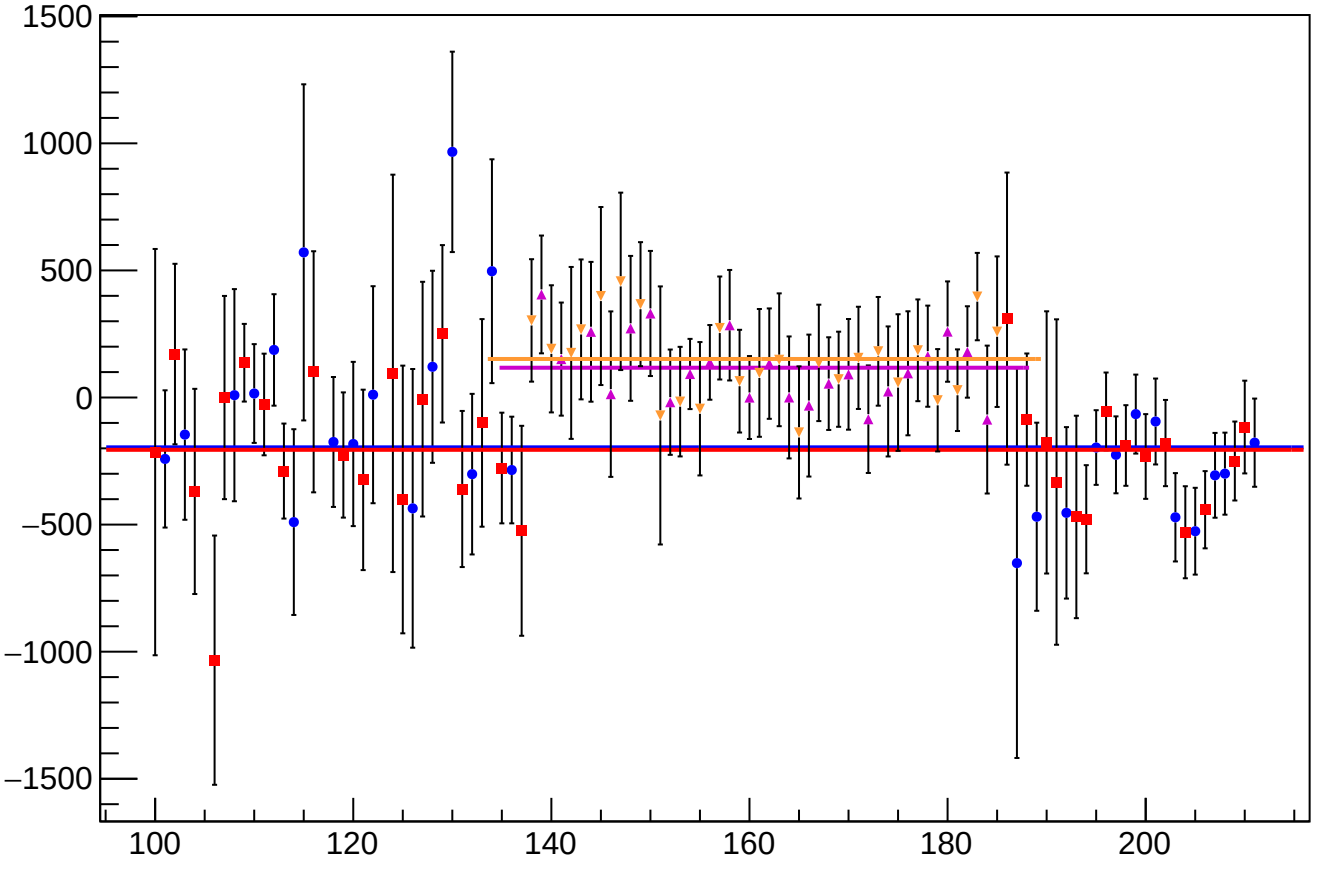
Right: 168.940+/-0.021 χ^2/NDF: 5276388.0/60

In: 174.125+/-0.022 χ^2/NDF:3984421.0/50

Out: 181.361+/-0.022 χ^2/NDF:5211716.2/57

All: 177.702+/-0.015 χ^2/NDF: 9250697.7/108

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -196.075+/-43.451 χ^2/NDF: 28.8/27

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -205.760+/-42.107 χ^2/NDF: 24.3/32

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

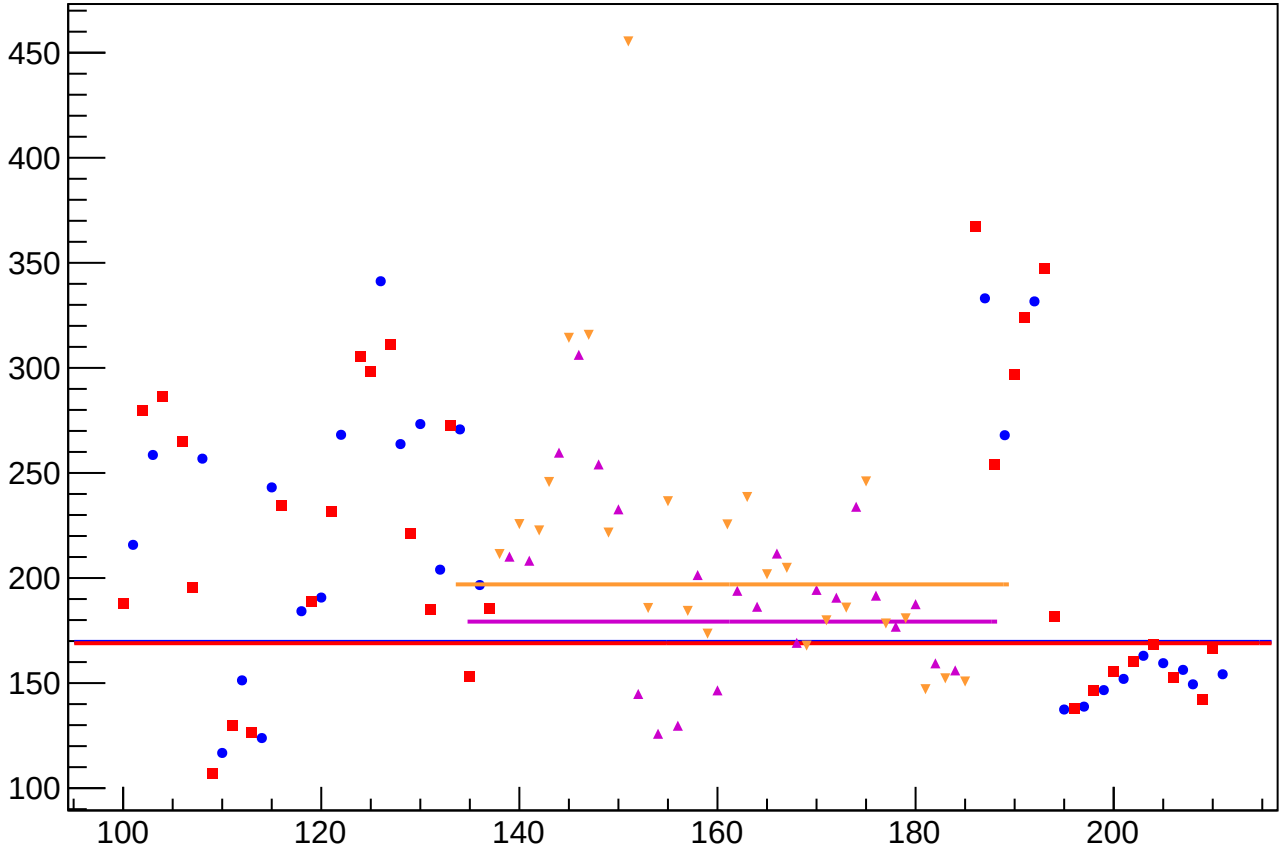
Right: -201.070+/-30.238 χ^2/NDF: 53.1/60

In: -40.630+/-30.840 χ^2/NDF:62.1/50

Out: -44.447+/-31.187 χ^2/NDF:66.4/57

All: -42.517+/-21.929 χ^2/NDF: 128.5/108

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 169.607+/-0.031 χ^2/NDF: 2255277.7/27

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 168.977+/-0.030 χ^2/NDF: 2963074.0/32

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

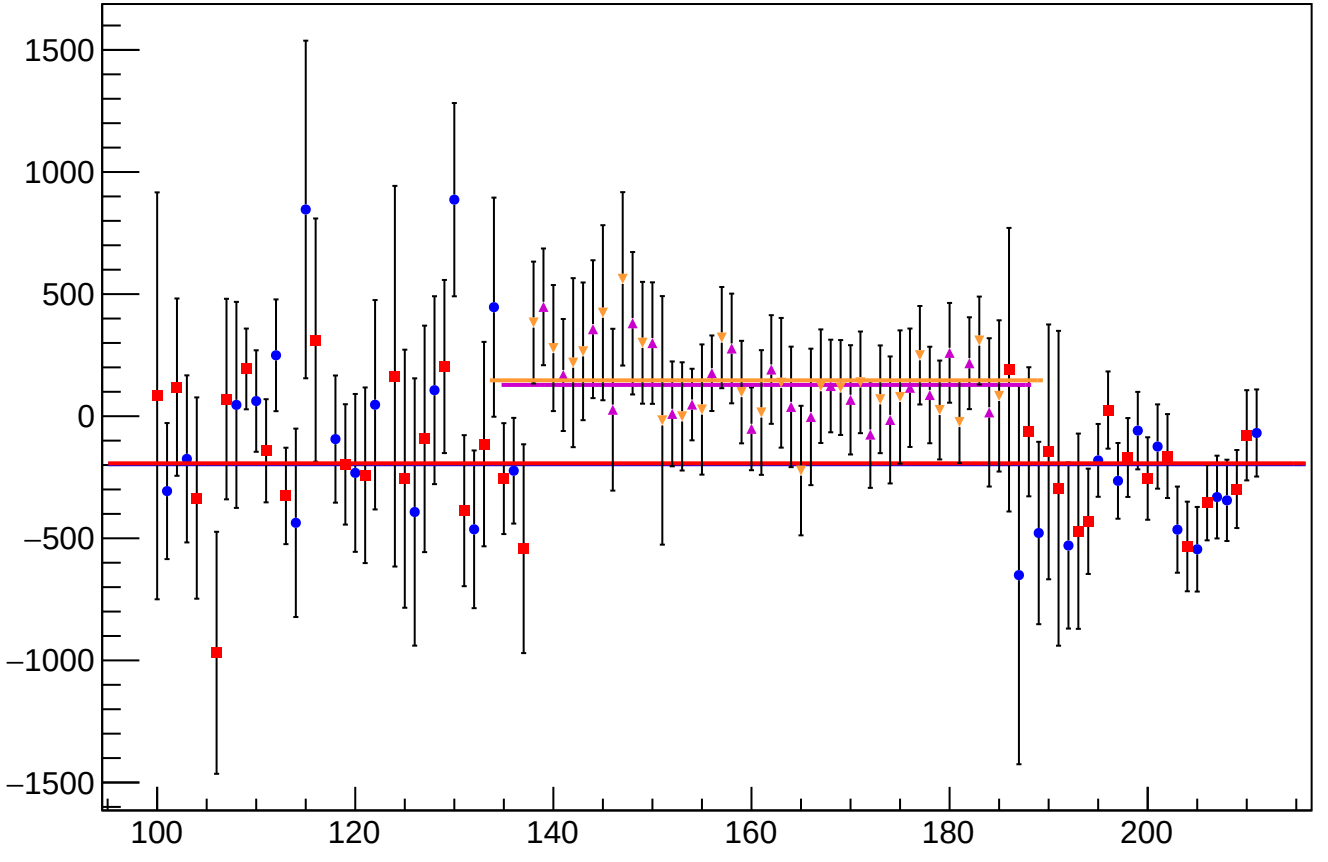
Right: 169.282+/-0.021 χ^2/NDF: 5218568.3/60

In: 174.395+/-0.022 χ^2/NDF:3960240.4/50

Out: 181.616+/-0.022 χ^2/NDF:5171533.3/57

All: 177.965+/-0.016 χ^2/NDF: 9185974.1/108

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -196.580+/-44.485 χ^2/NDF: 31.3/27

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -192.950+/-43.230 χ^2/NDF: 23.4/32

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

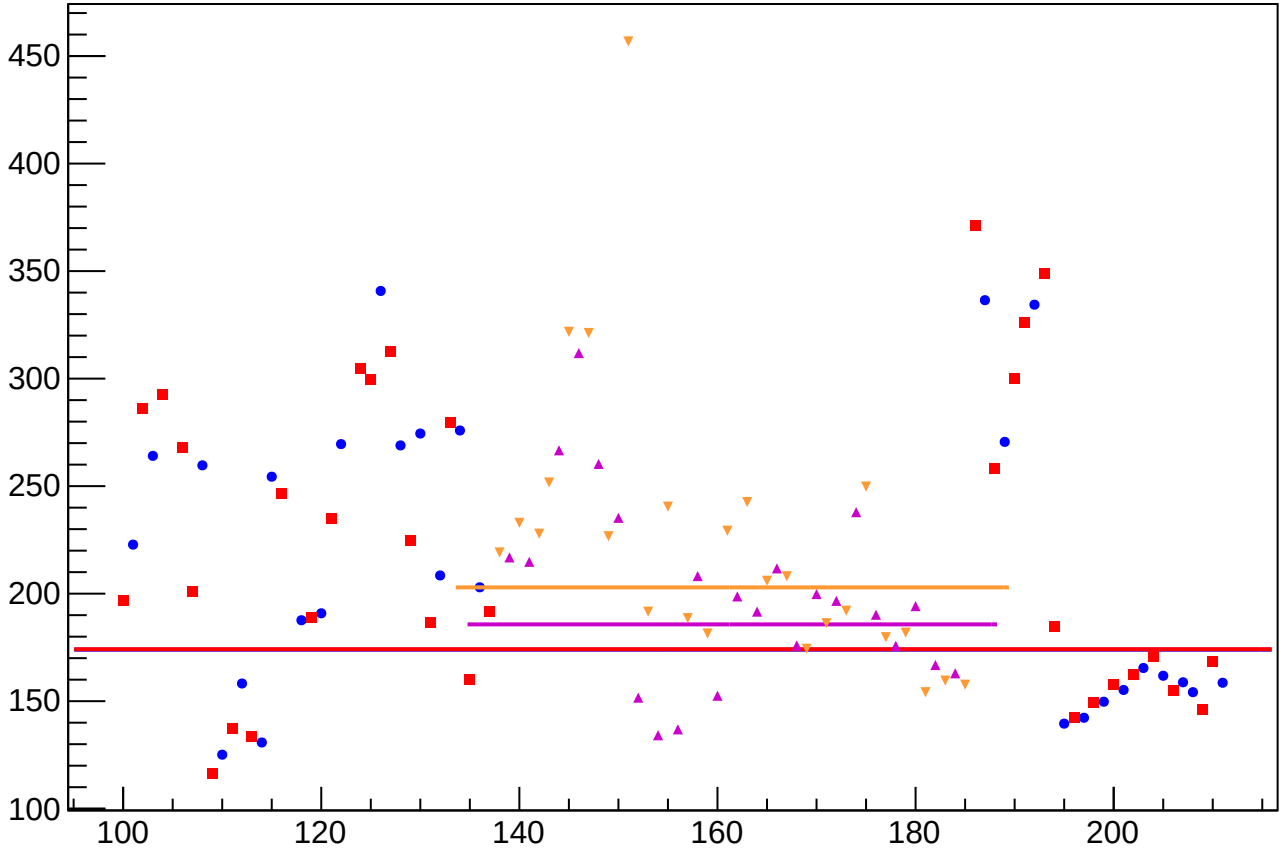
Right: -194.713+/-31.003 χ^2/NDF: 54.7/60

In: -36.799+/-31.705 χ^2/NDF:66.1/50

Out: -39.688+/-32.035 χ^2/NDF:61.5/57

All: -38.228+/-22.535 χ^2/NDF: 127.5/108

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 173.961+/-0.031 χ^2/NDF: 2164535.6/27

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.162+/-0.031 χ^2/NDF: 2758543.1/32

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

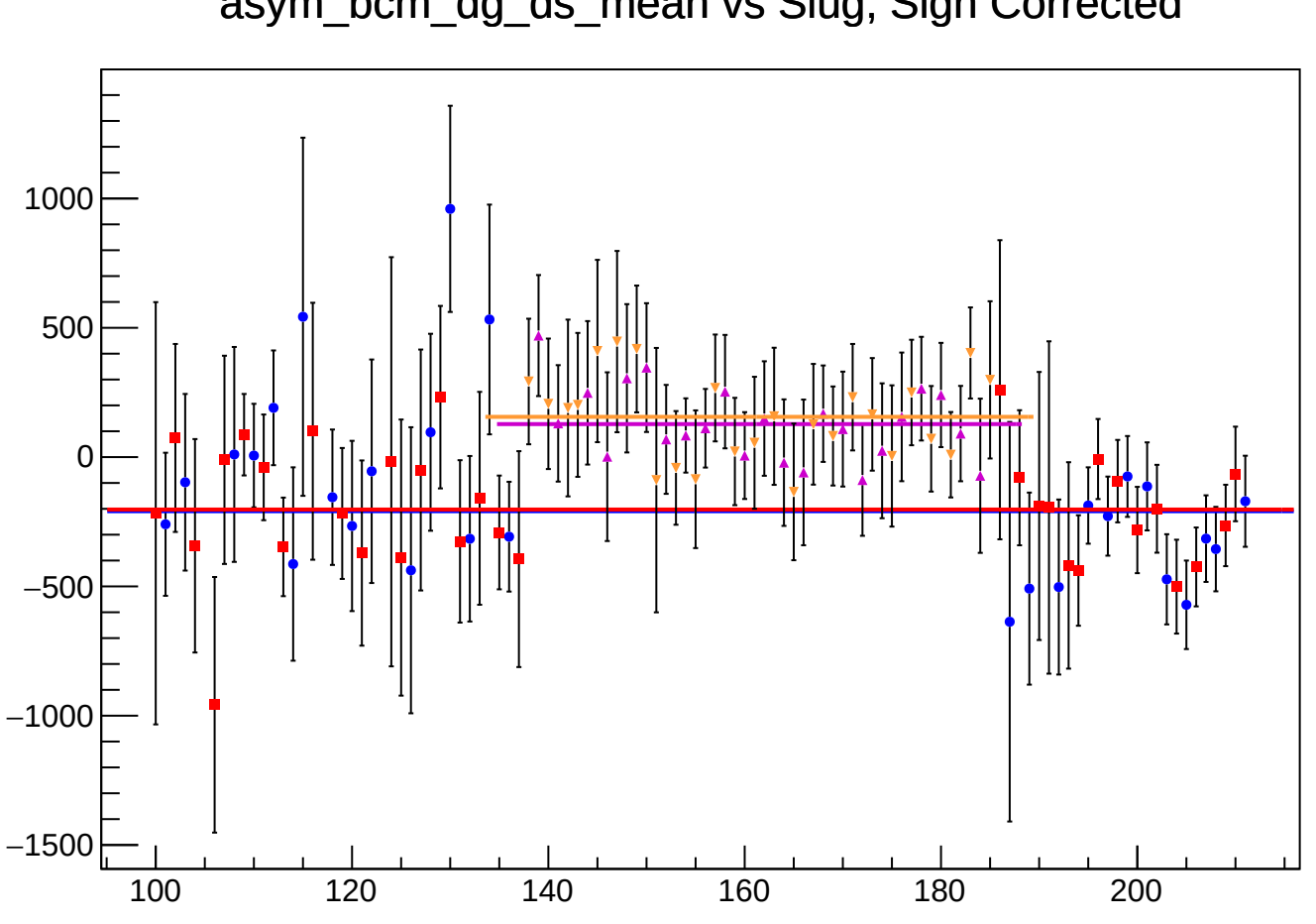
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 174.064+/-0.022 χ^2/NDF: 4923099.6/60

In: 179.745+/-0.022 χ^2/NDF:3722731.5/50

Out: 187.128+/-0.023 χ^2/NDF:4857714.6/57

All: 183.398+/-0.016 χ^2/NDF: 8634116.4/108



Right In: -209.217+/-43.906 χ^2/NDF: 29.8/27

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -202.729+/-42.568 χ^2/NDF: 21.0/32

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

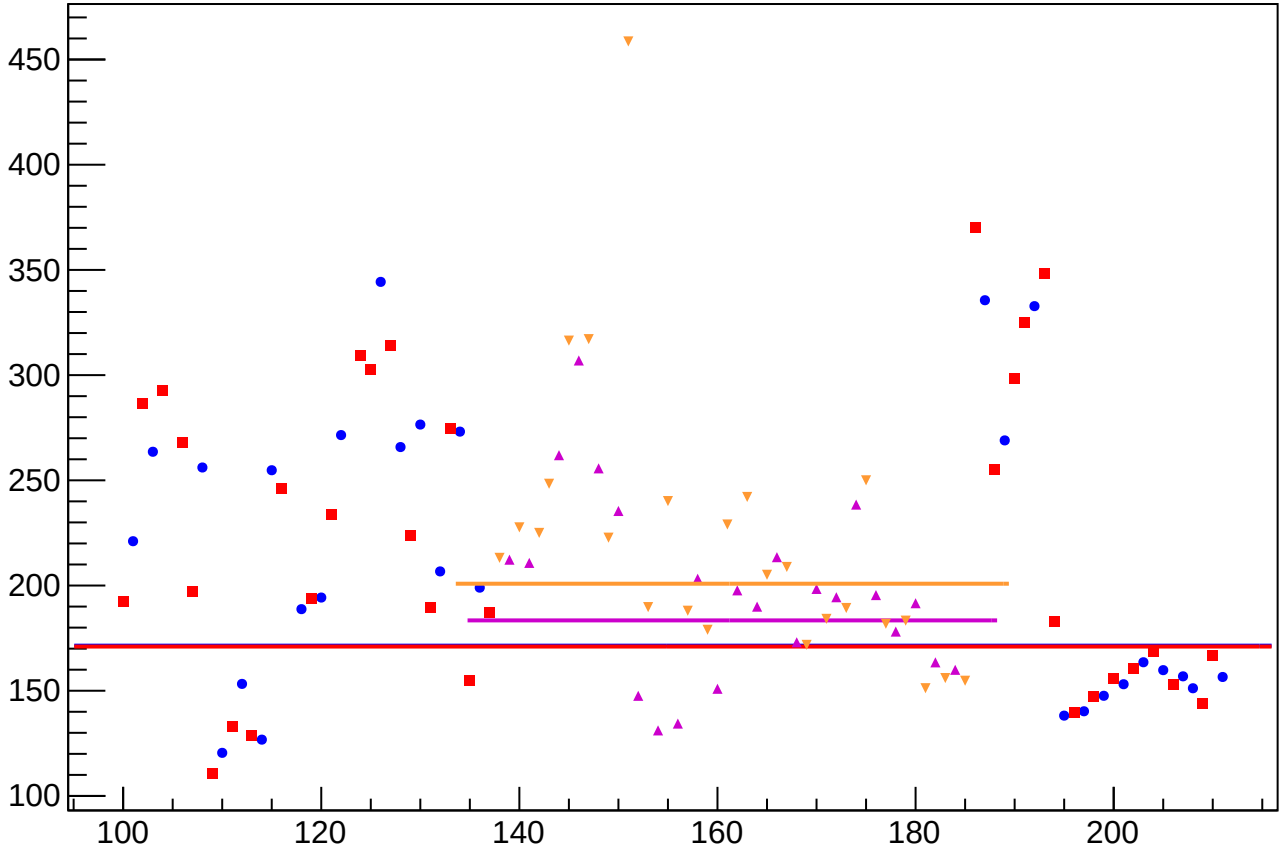
Right: -205.873+/-30.562 χ^2/NDF: 50.8/60

In: -43.791+/-31.322 χ^2/NDF:66.7/50

Out: -42.220+/-31.630 χ^2/NDF:63.4/57

All: -43.013+/-22.256 χ^2/NDF: 130.1/108

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 171.428+/-0.031 χ^2/NDF: 2250041.3/27

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.002+/-0.030 χ^2/NDF: 2926560.0/32

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

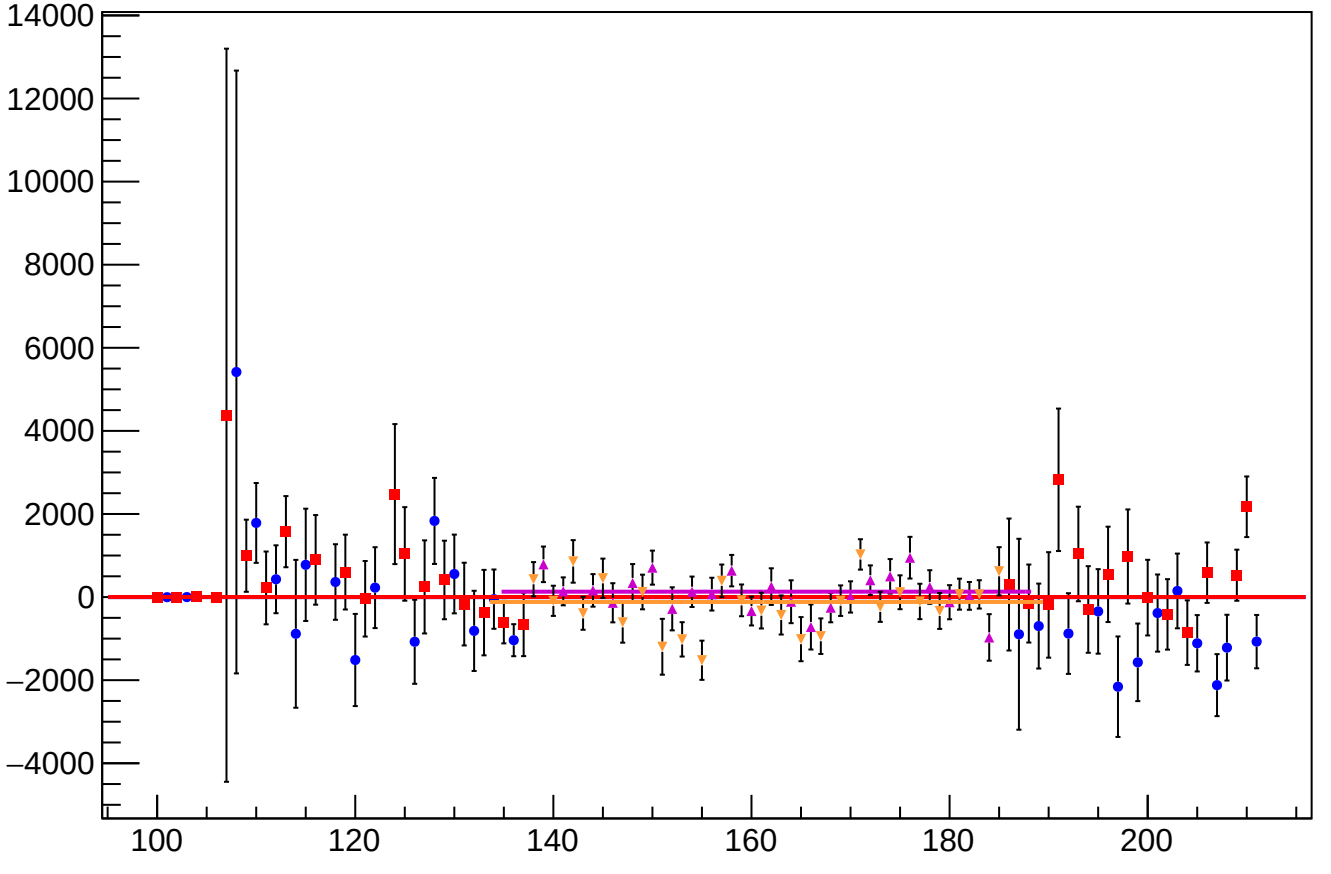
Right: 171.209+/-0.022 χ^2/NDF: 5176698.3/60

In: 177.323+/-0.022 χ^2/NDF:3854144.7/50

Out: 184.377+/-0.022 χ^2/NDF:5094782.8/57

All: 180.816+/-0.016 χ^2/NDF: 8999143.9/108

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.316+/-2.171 χ^2/NDF: 43.5/27

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.406+/-2.022 χ^2/NDF: 33.2/32

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

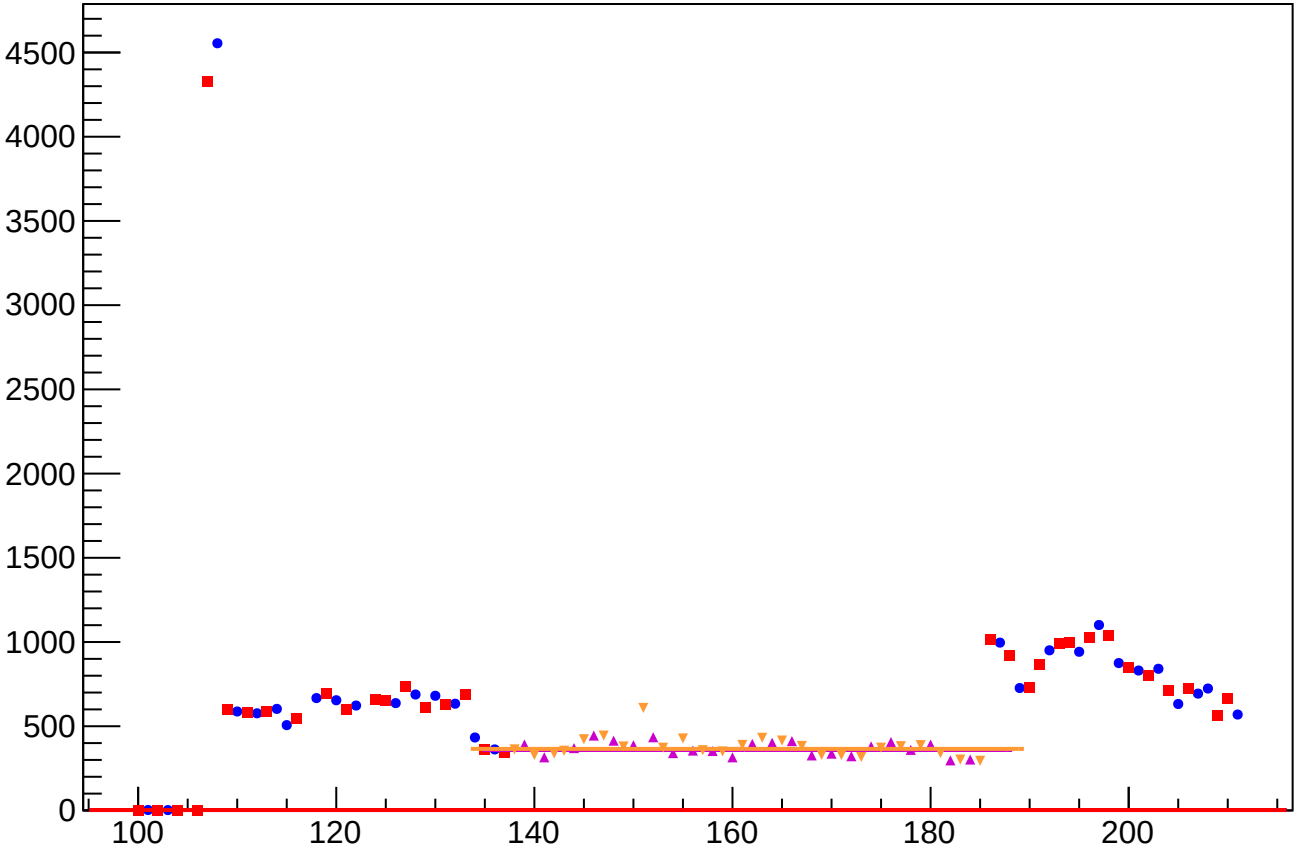
Right: 0.141+/-1.480 χ^2/NDF: 77.6/60

In: -1.231+/-2.170 χ^2/NDF:67.6/50

Out: 1.337+/-2.022 χ^2/NDF:81.6/57

All: 0.144+/-1.479 χ^2/NDF: 149.9/108

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.532+/-0.002 χ^2/NDF: 30005833.1/27

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.515+/-0.001 χ^2/NDF: 32447695.6/32

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

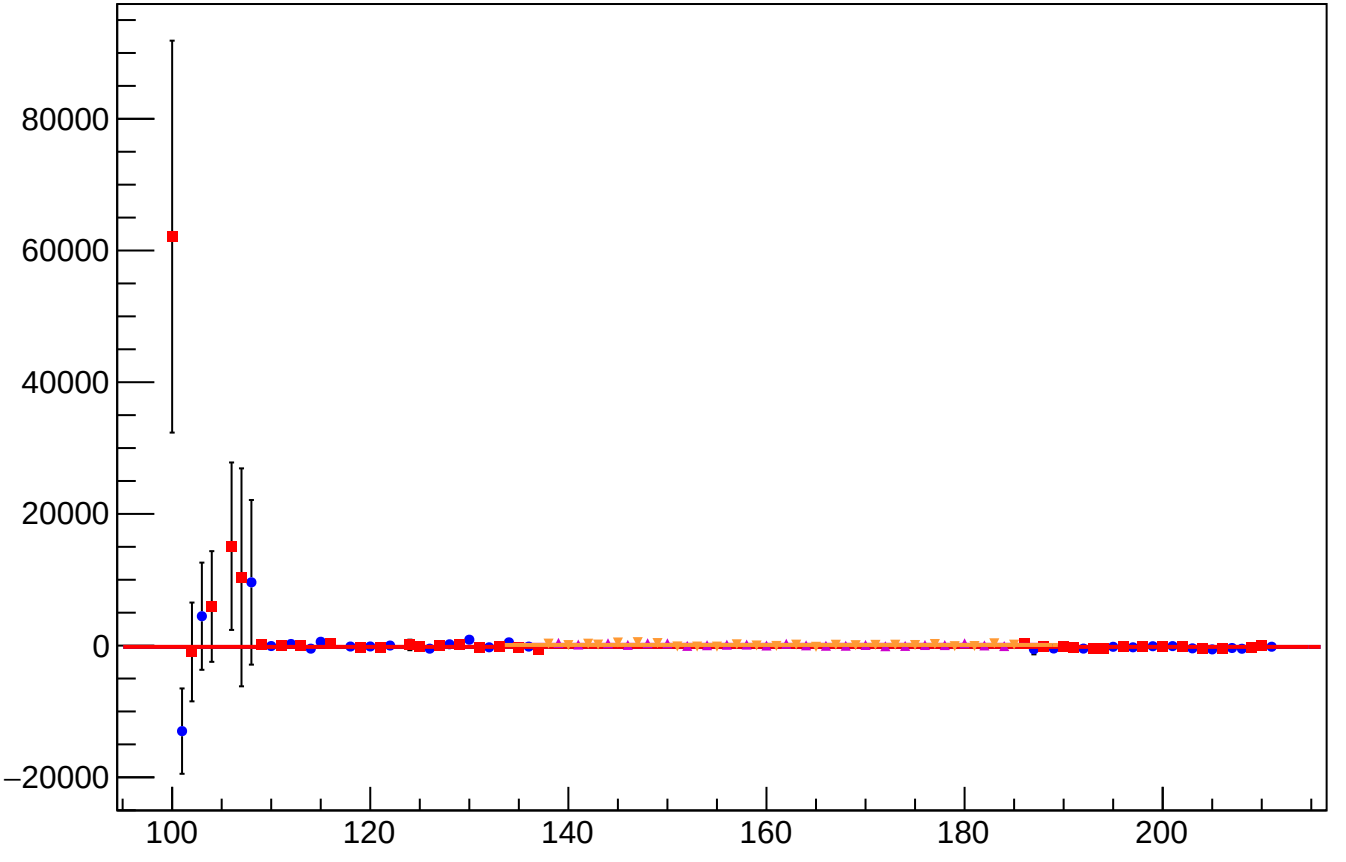
Right: 2.523+/-0.001 χ^2/NDF: 62453594.8/60

In: 2.764+/-0.002 χ^2/NDF:65547225.7/50

Out: 2.724+/-0.001 χ^2/NDF:70278117.7/57

All: 2.742+/-0.001 χ^2/NDF: 135825702.1/108

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -207.456+/-47.863 χ^2/NDF: 33.2/27

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -191.326+/-46.888 χ^2/NDF: 25.8/32

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

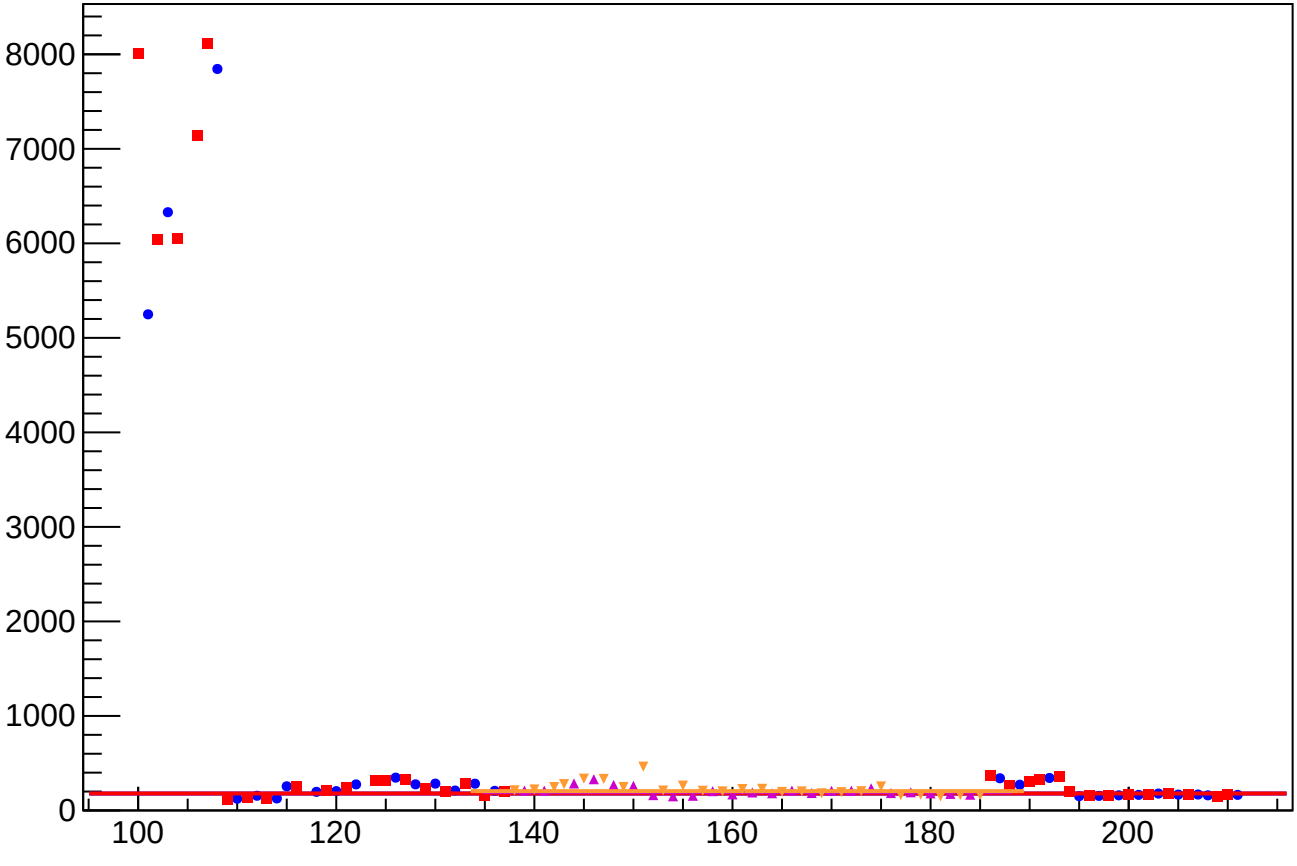
Right: -199.225+/-33.494 χ^2/NDF: 59.0/60

In: -40.933+/-33.519 χ^2/NDF:66.2/50

Out: -50.027+/-33.626 χ^2/NDF:57.2/57

All: -45.466+/-23.739 χ^2/NDF: 123.5/108

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 178.893+/-0.034 χ^2/NDF: 4888148.8/27

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 179.613+/-0.033 χ^2/NDF: 5596331.1/32

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

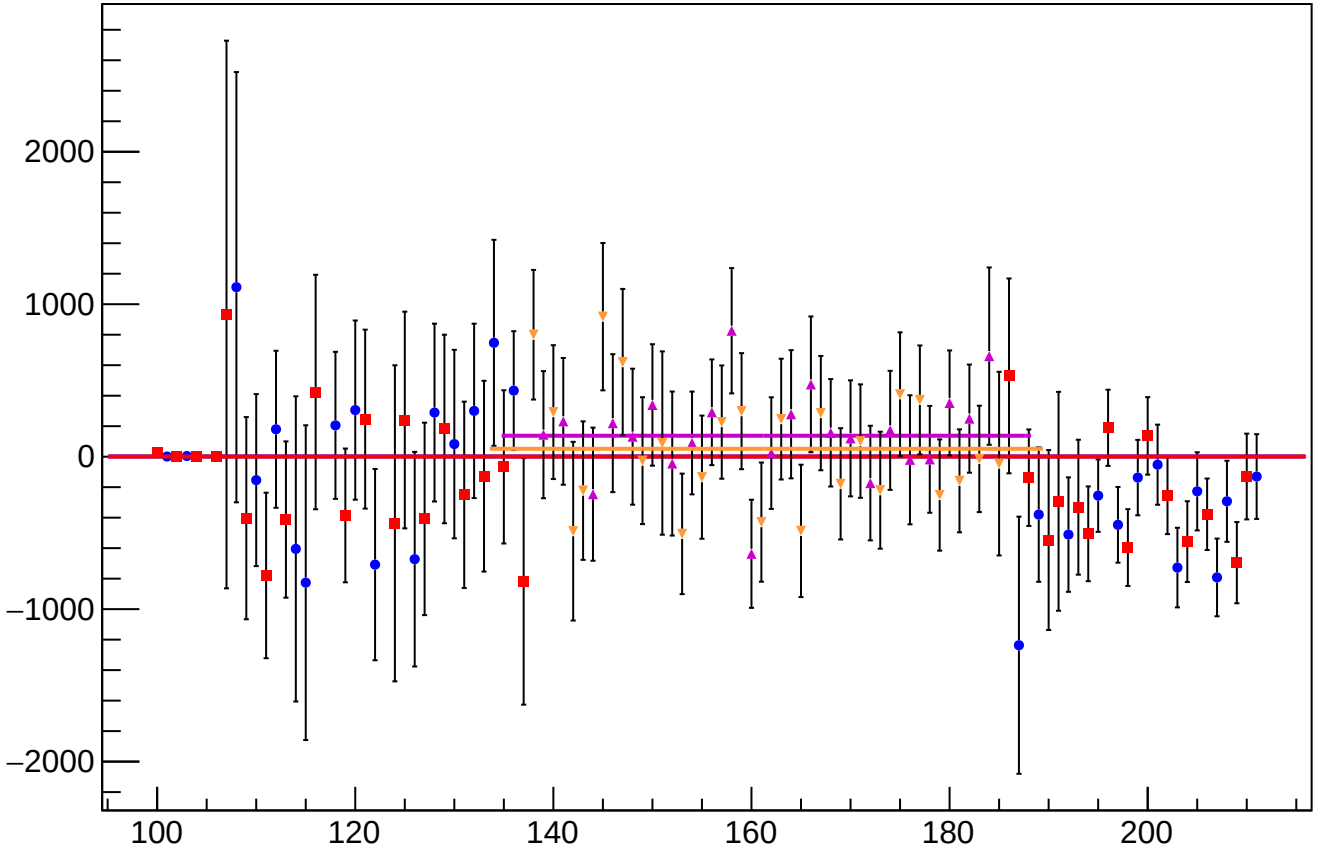
Right: 179.260+/-0.024 χ^2/NDF: 10484710.8/60

In: 186.537+/-0.024 χ^2/NDF:6179866.8/50

Out: 191.739+/-0.024 χ^2/NDF:7846900.1/57

All: 189.130+/-0.017 χ^2/NDF: 14050777.4/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.306+/-1.660 χ^2/NDF: 37.2/27

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 0.992+/-1.528 χ^2/NDF: 35.8/32

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

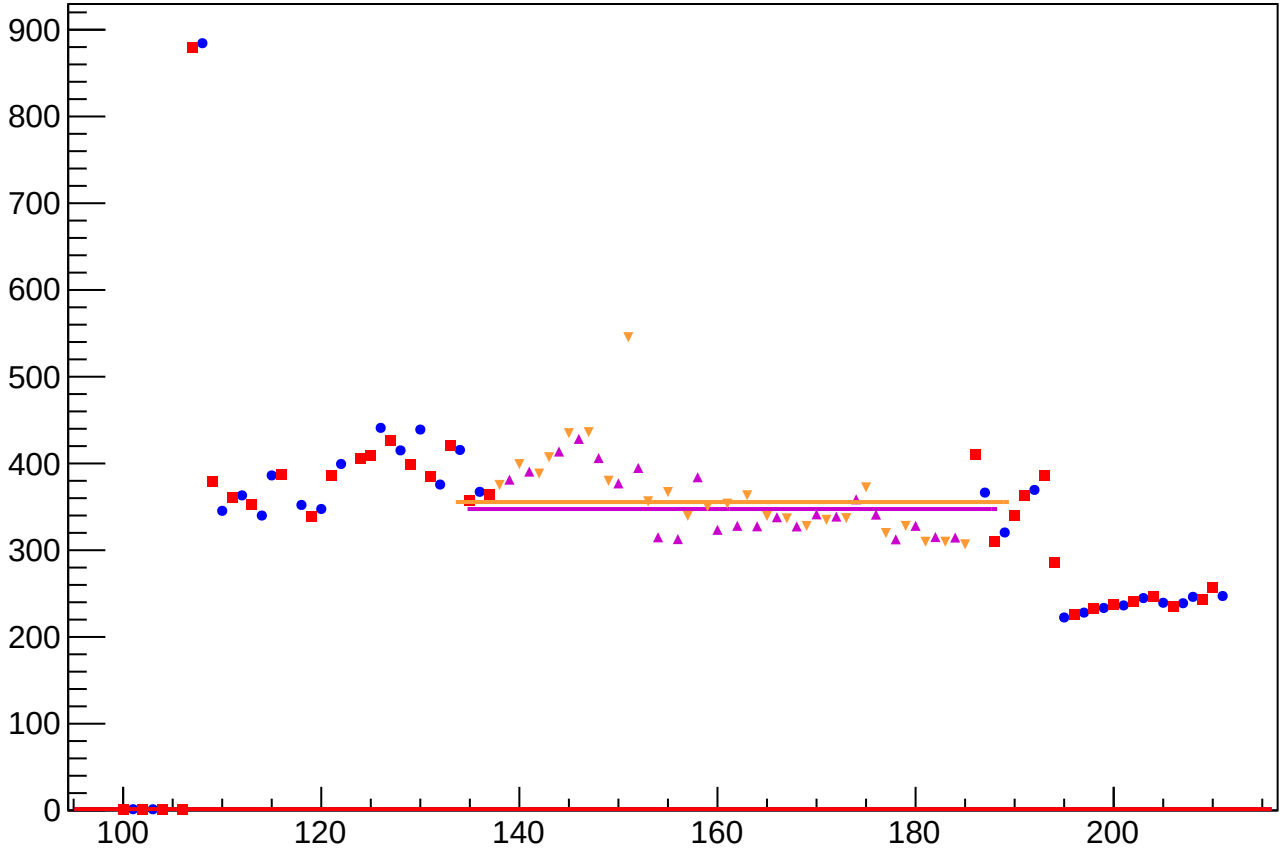
Right: 1.136+/-1.124 χ^2/NDF: 73.0/60

In: 1.361+/-1.660 χ^2/NDF:52.1/50

Out: 1.009+/-1.527 χ^2/NDF:55.7/57

All: 1.171+/-1.124 χ^2/NDF: 107.8/108

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.572+/-0.001 χ^2/NDF: 30280640.9/27

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.560+/-0.001 χ^2/NDF: 32140127.0/32

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

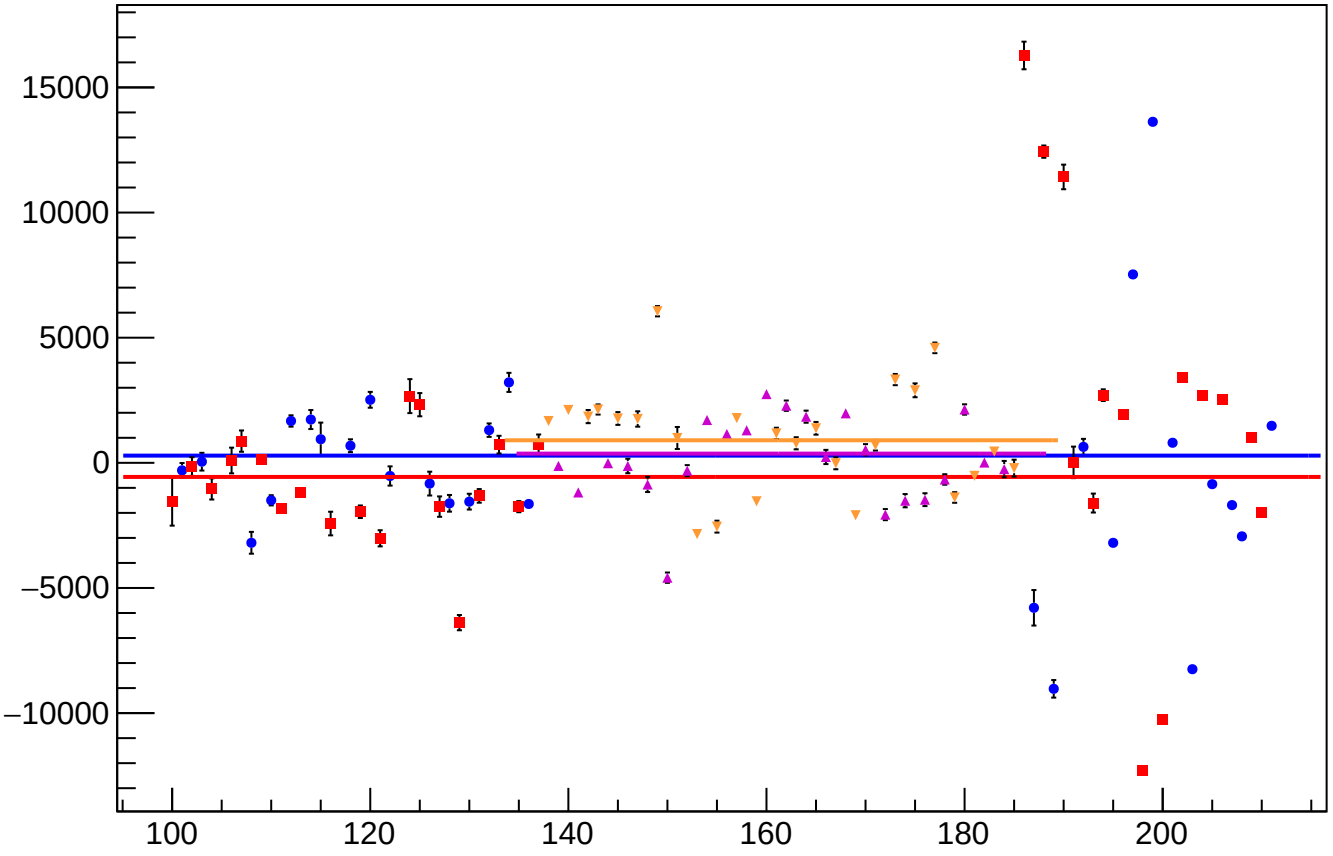
Right: 1.565+/-0.001 χ^2/NDF: 62420830.2/60

In: 1.714+/-0.001 χ^2/NDF:66104981.1/50

Out: 1.684+/-0.001 χ^2/NDF:70332741.6/57

All: 1.697+/-0.001 χ^2/NDF: 136438070.9/108

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 287.968+/-45.814 χ^2/NDF: 11876.3/27

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -563.567+/-44.224 χ^2/NDF: 13866.6/32

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

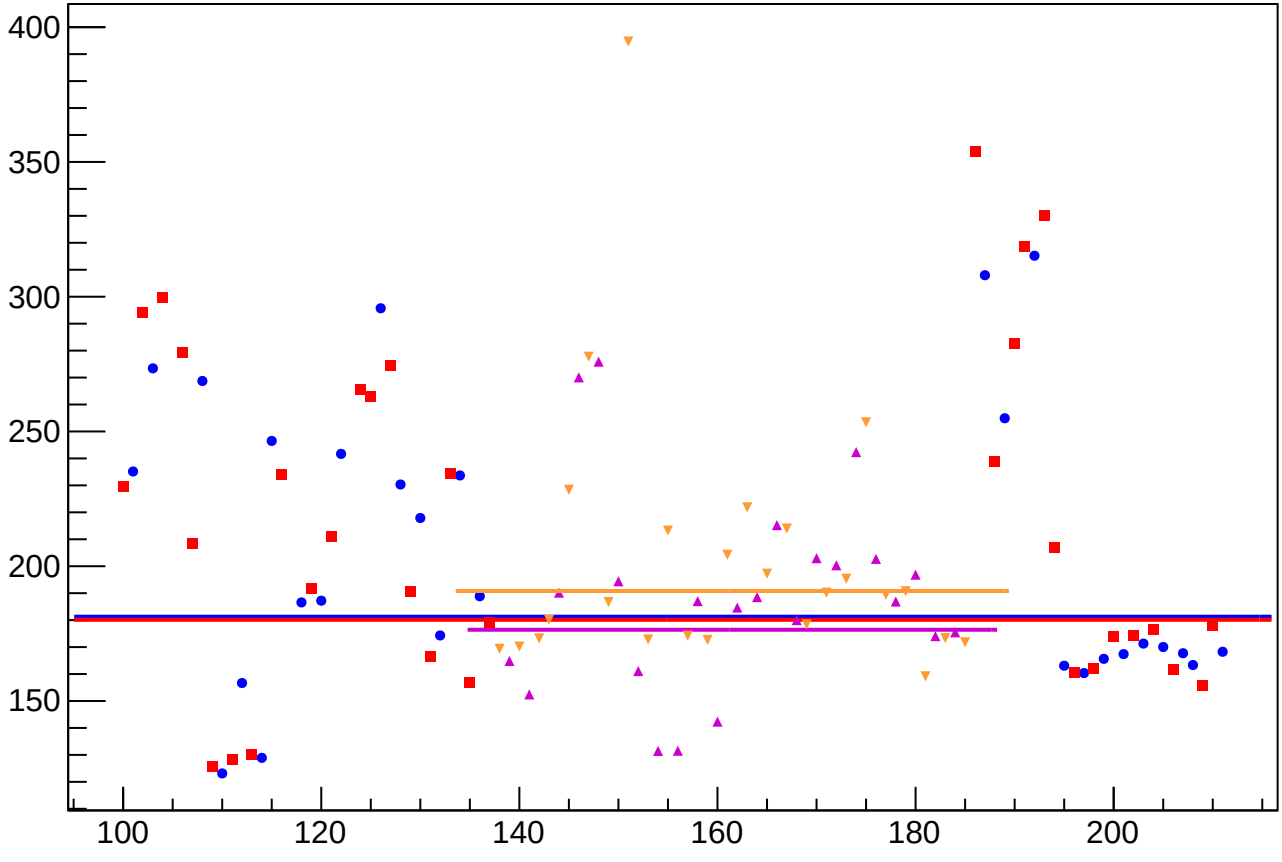
Right: -152.836+/-31.818 χ^2/NDF: 25921.7/60

In: 330.931+/-31.236 χ^2/NDF:13470.9/50

Out: 164.705+/-31.362 χ^2/NDF:16823.1/57

All: 248.151+/-22.132 χ^2/NDF: 30308.1/108

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 181.274+/-0.032 χ^2/NDF: 1439096.4/27

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 180.127+/-0.031 χ^2/NDF: 2185788.1/32

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

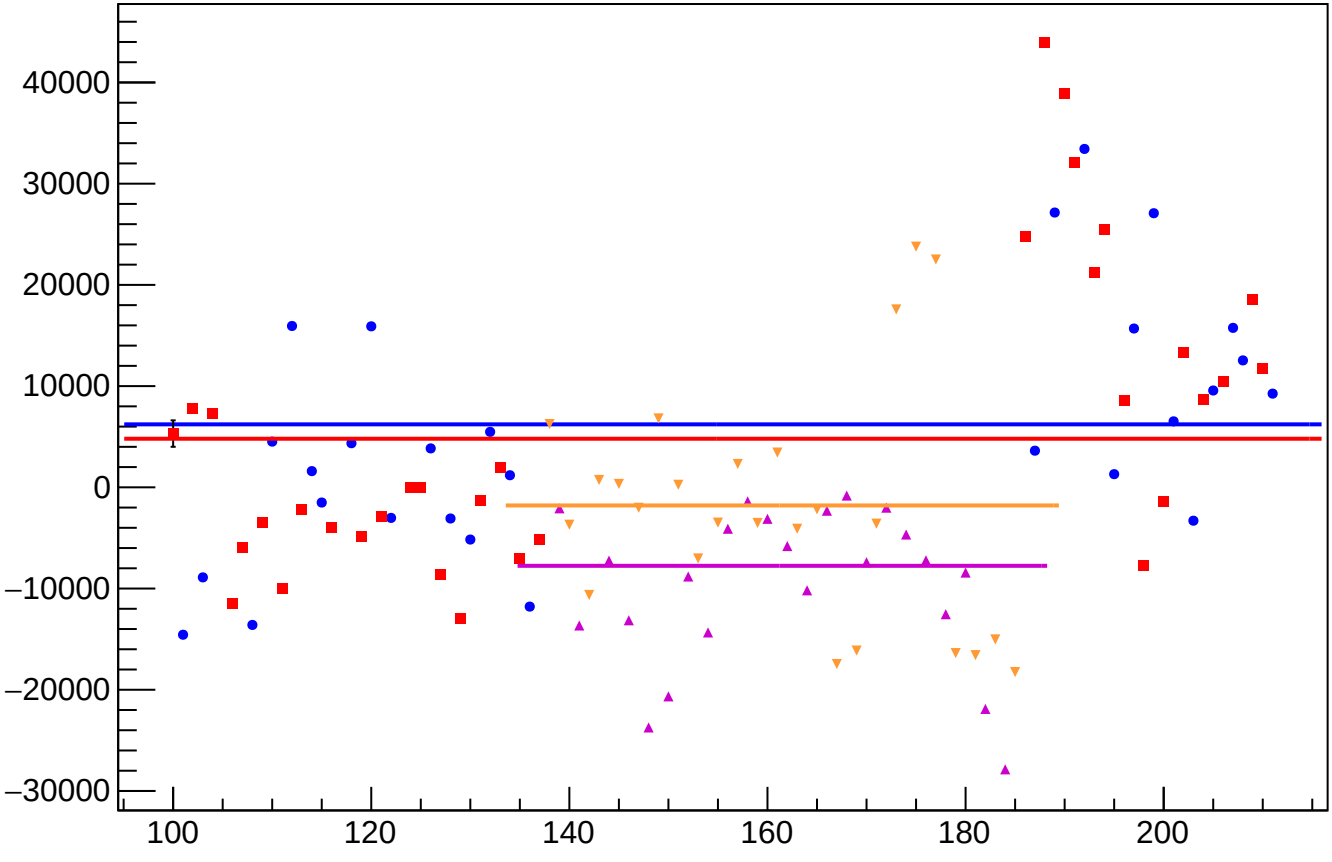
Right: 180.680+/-0.022 χ^2/NDF: 3625534.1/60

In: 178.683+/-0.022 χ^2/NDF:2708716.4/50

Out: 185.433+/-0.022 χ^2/NDF:3263308.8/57

All: 182.044+/-0.016 χ^2/NDF: 6018539.8/108

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6221.736+/-40.278 χ^2/NDF: 93750.8/27

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4800.326+/-38.239 χ^2/NDF: 143381.3/32

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

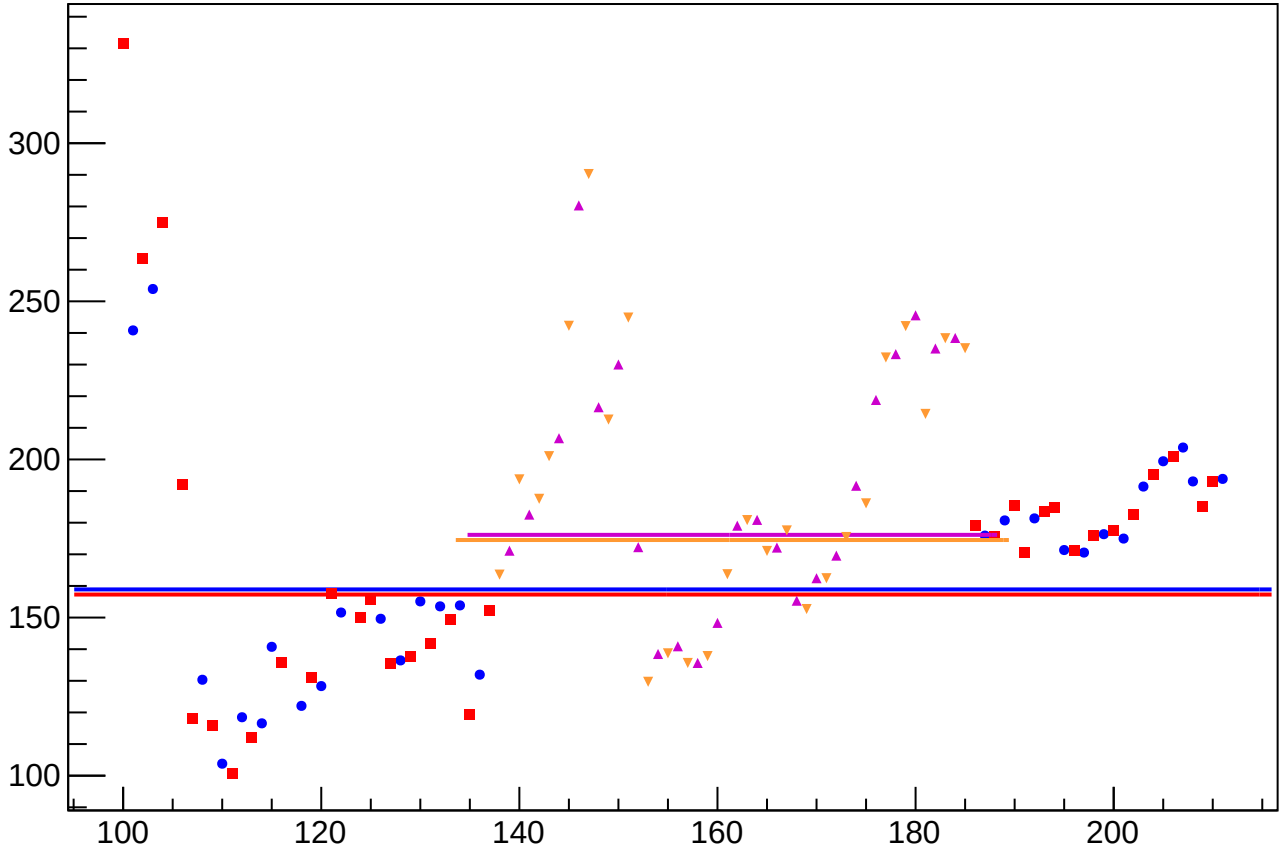
Right: 5474.151+/-27.732 χ^2/NDF: 237787.1/60

In: -379.755+/-29.258 χ^2/NDF:173901.6/50

Out: 1727.175+/-27.936 χ^2/NDF:222978.7/57

All: 722.391+/-20.205 χ^2/NDF: 399593.0/108

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 158.901+/-0.028 χ^2/NDF: 1344142.7/27

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 157.280+/-0.027 χ^2/NDF: 1712288.9/32

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

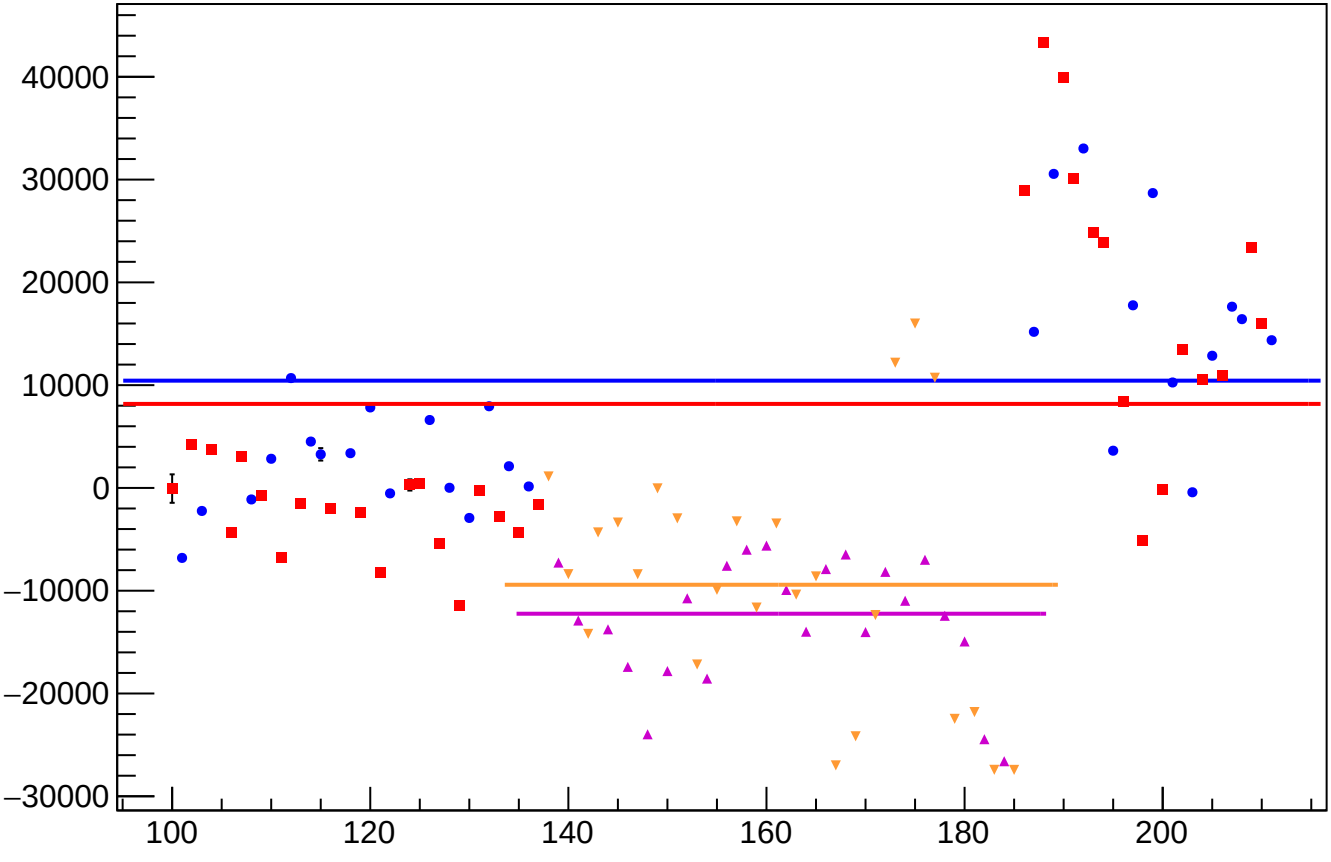
Right: 158.049+/-0.020 χ^2/NDF: 3058135.2/60

In: 167.051+/-0.021 χ^2/NDF:2884545.3/50

Out: 165.319+/-0.020 χ^2/NDF:3561327.2/57

All: 166.145+/-0.014 χ^2/NDF: 6449536.1/108

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10437.624+/-44.658 χ^2/NDF: 54209.9/27

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8175.200+/-42.178 χ^2/NDF: 114621.7/32

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

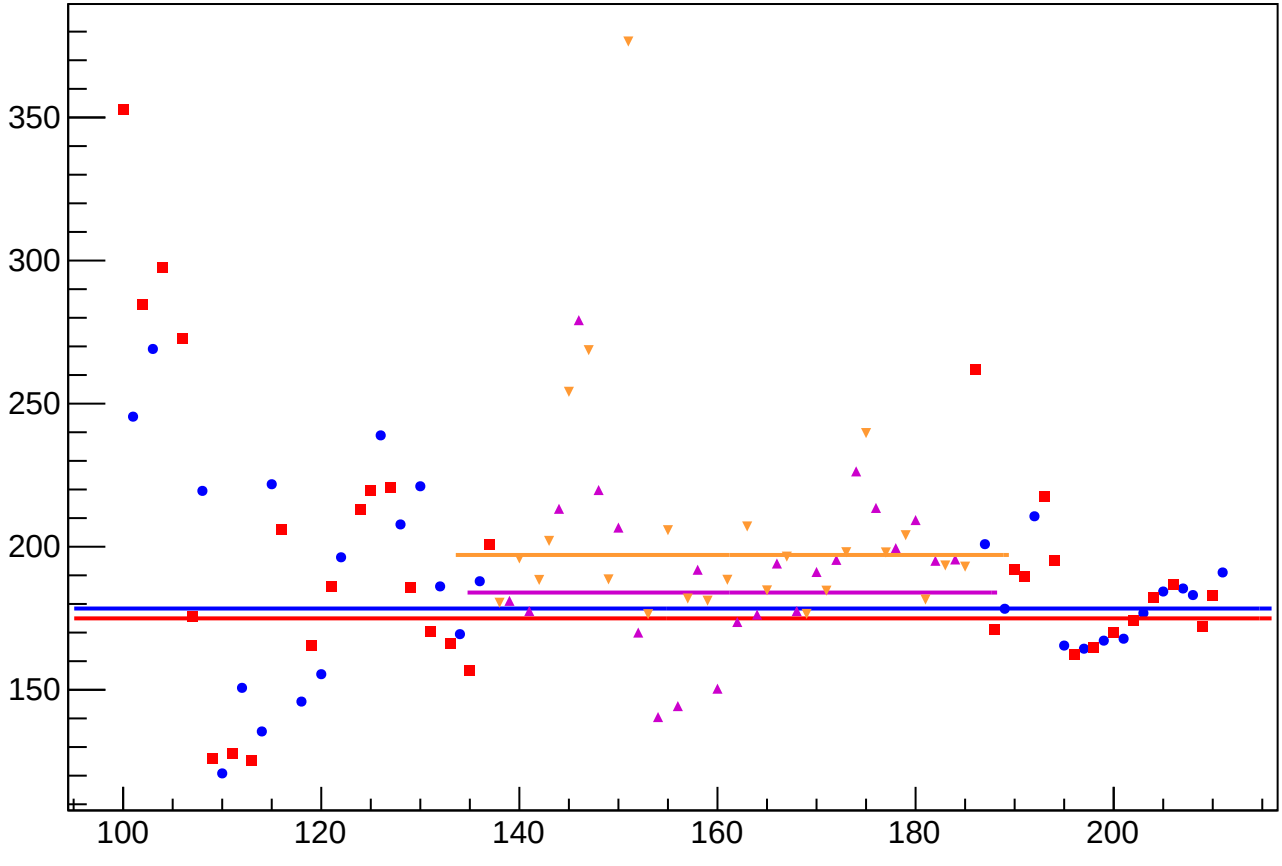
Right: 9241.847+/-30.664 χ^2/NDF: 170188.1/60

In: -1018.750+/-31.413 χ^2/NDF:200487.0/50

Out: 81.145+/-30.994 χ^2/NDF:259396.0/57

All: -461.420+/-22.063 χ^2/NDF: 460504.2/10

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.406+/-0.032 χ^2/NDF: 774400.0/27

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF: 1209840.5/32

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

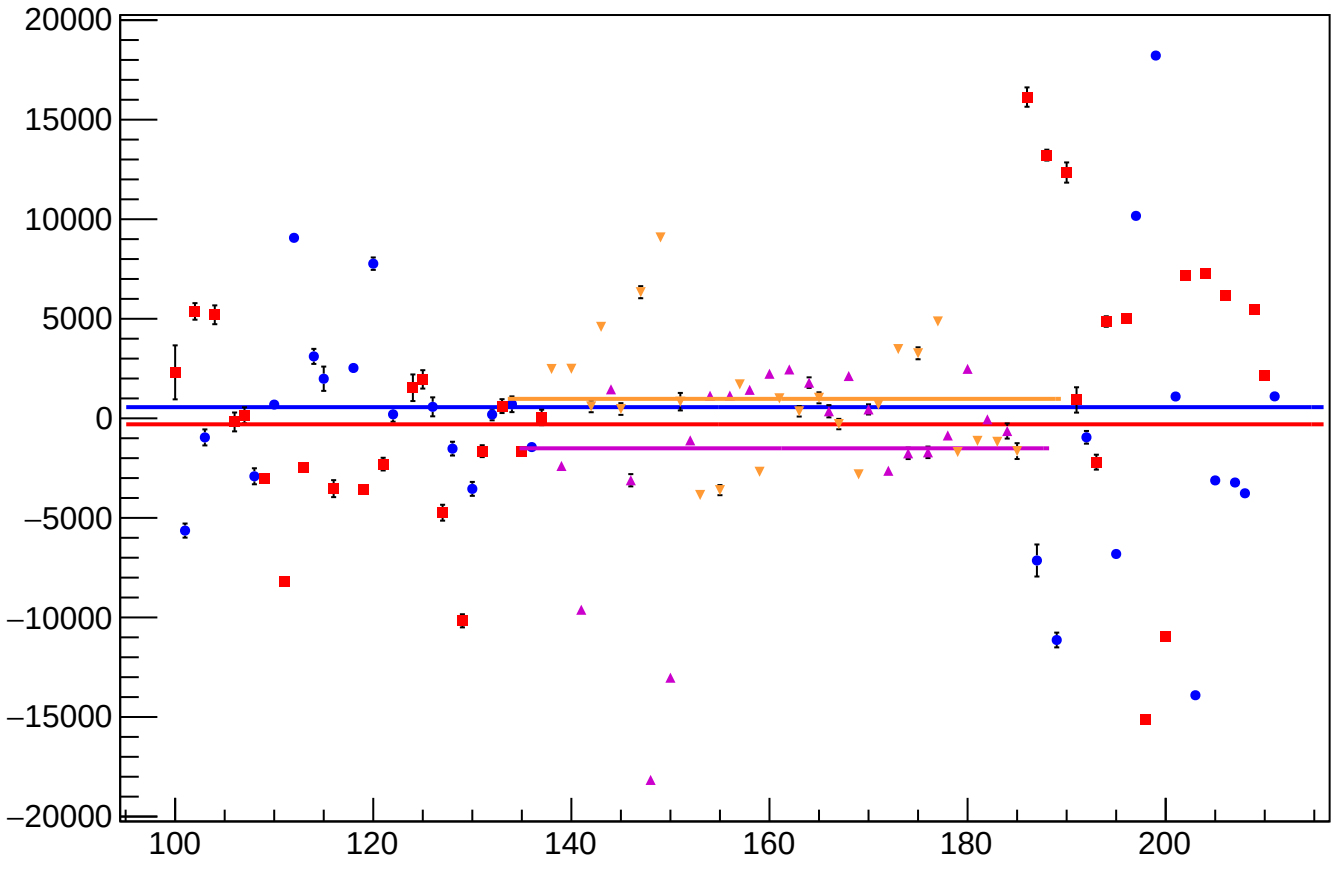
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 176.584+/-0.022 χ^2/NDF: 1990541.0/60

In: 181.225+/-0.022 χ^2/NDF:1619949.4/50

Out: 185.154+/-0.022 χ^2/NDF:2196420.6/57

All: 183.216+/-0.016 χ^2/NDF: 3832225.1/108



Right In: 561.544+/-50.175 χ^2/NDF: 21462.3/27

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -300.524+/-47.469 χ^2/NDF: 21944.7/32

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

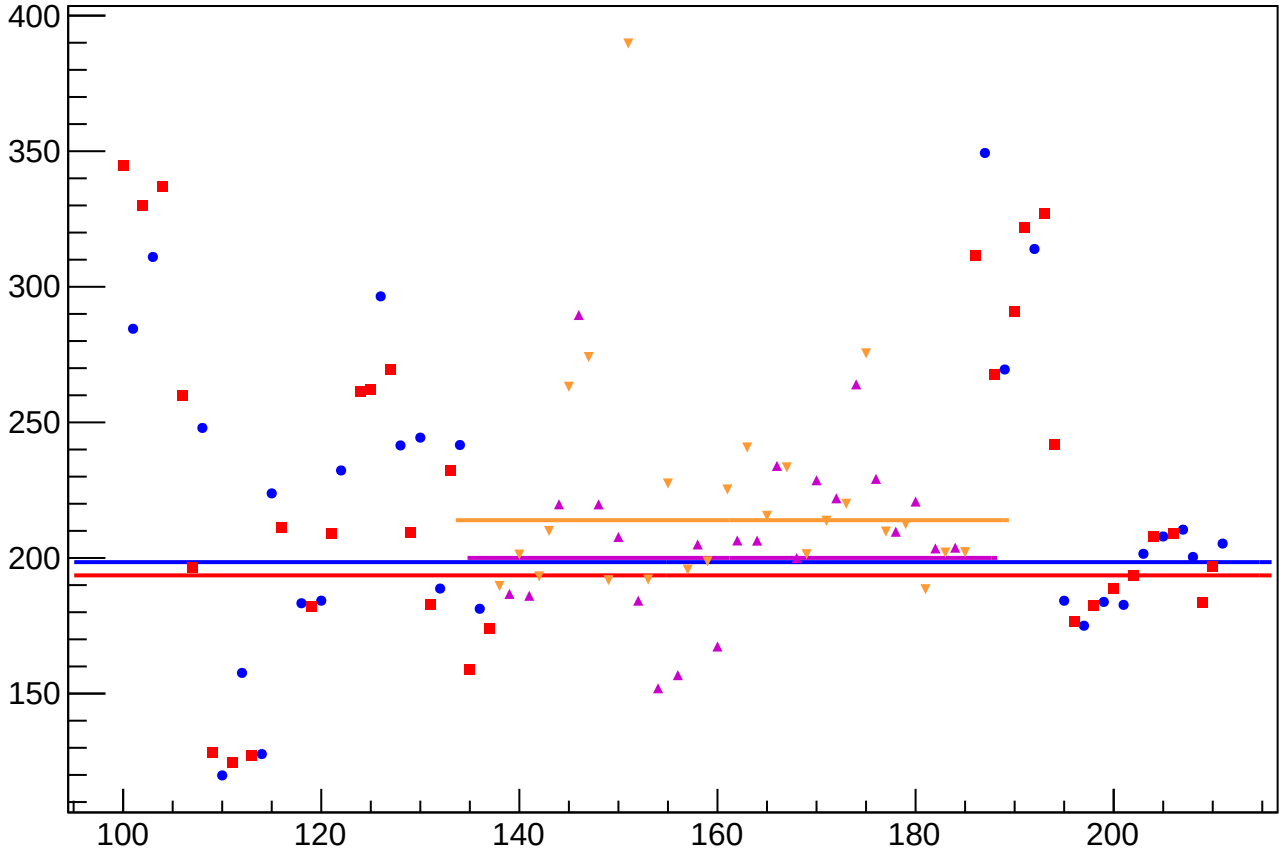
Right: 106.634+/-34.483 χ^2/NDF: 43562.8/60

In: -516.453+/-34.704 χ^2/NDF:33827.8/50

Out: 310.798+/-34.296 χ^2/NDF:26614.6/57

All: -97.944+/-24.394 χ^2/NDF: 60729.9/108

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.470+/-0.035 χ^2/NDF: 1453561.2/27

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.586+/-0.034 χ^2/NDF: 2259810.6/32

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

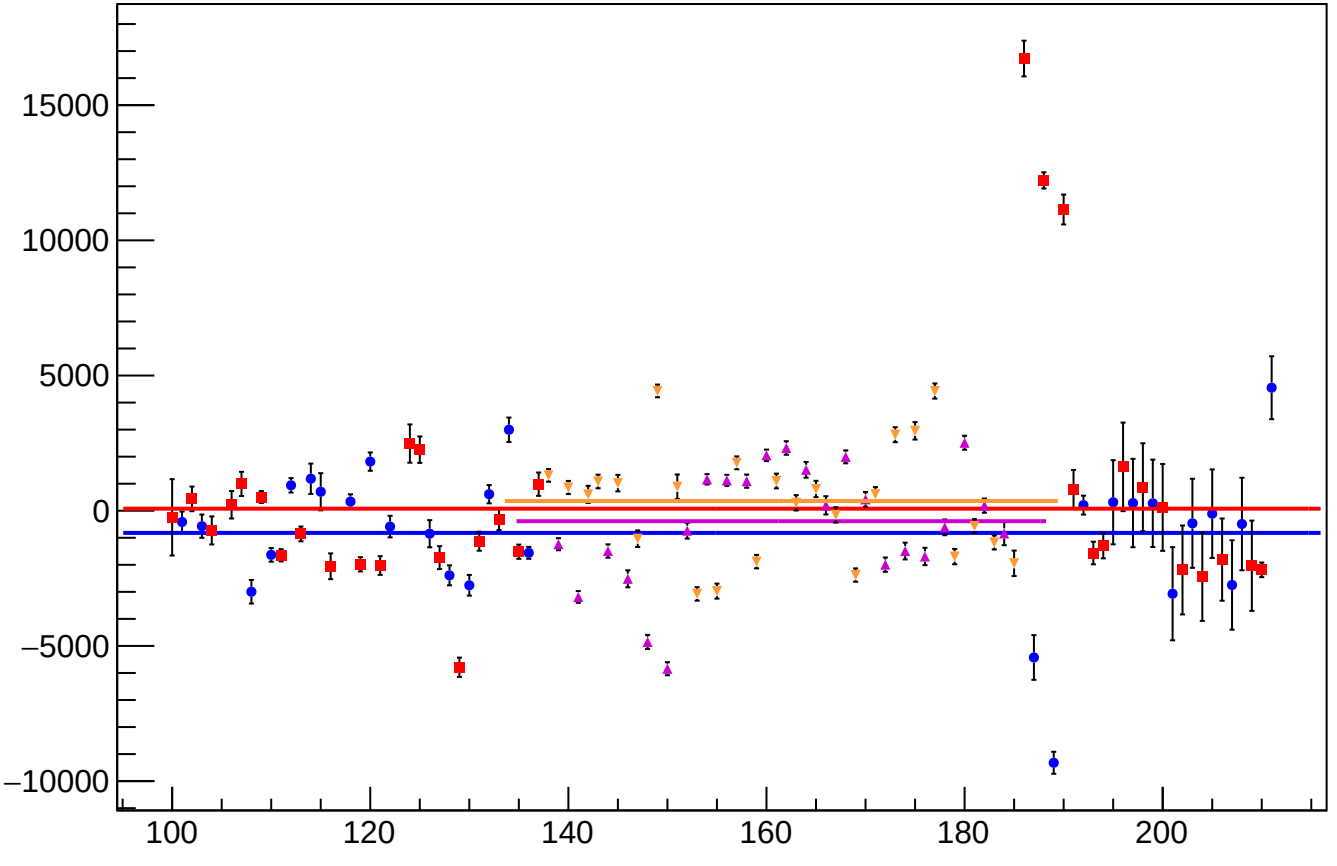
Right: 195.893+/-0.024 χ^2/NDF: 3723372.0/60

In: 199.284+/-0.025 χ^2/NDF:2240095.9/50

Out: 203.311+/-0.024 χ^2/NDF:3169062.8/57

All: 201.321+/-0.017 χ^2/NDF: 5422780.1/108

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -819.767+/-80.998 χ^2/NDF: 822.5/27

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 76.020+/-71.042 χ^2/NDF: 3353.0/32

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

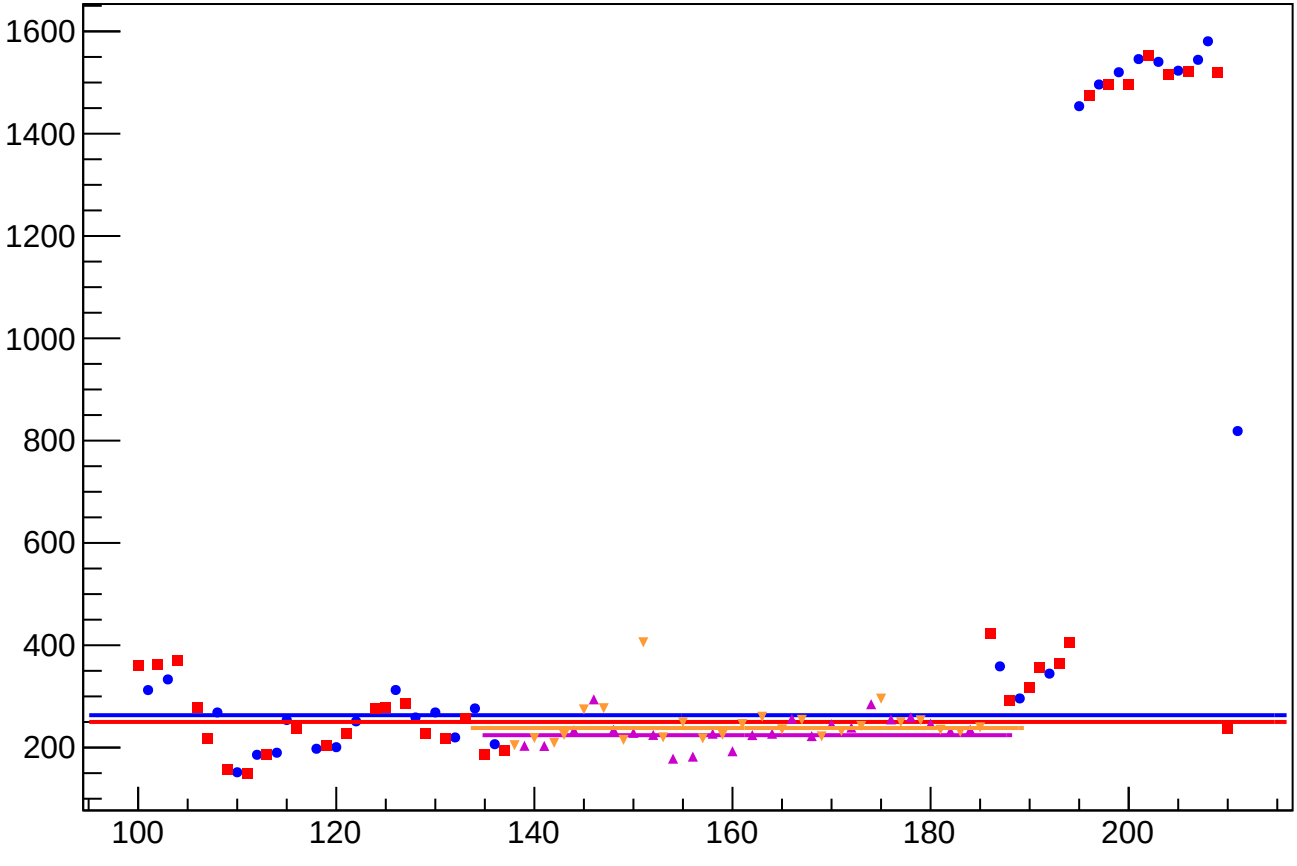
Right: -313.464+/-53.409 χ^2/NDF: 4244.7/60

In: -518.511+/-44.658 χ^2/NDF:2646.5/50

Out: 252.772+/-43.486 χ^2/NDF:4781.8/57

All: -122.617+/-31.155 χ^2/NDF: 7581.4/108

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 263.278+/-0.057 χ^2/NDF: 11052634.4/27

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 250.091+/-0.050 χ^2/NDF: 10529777.9/32

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

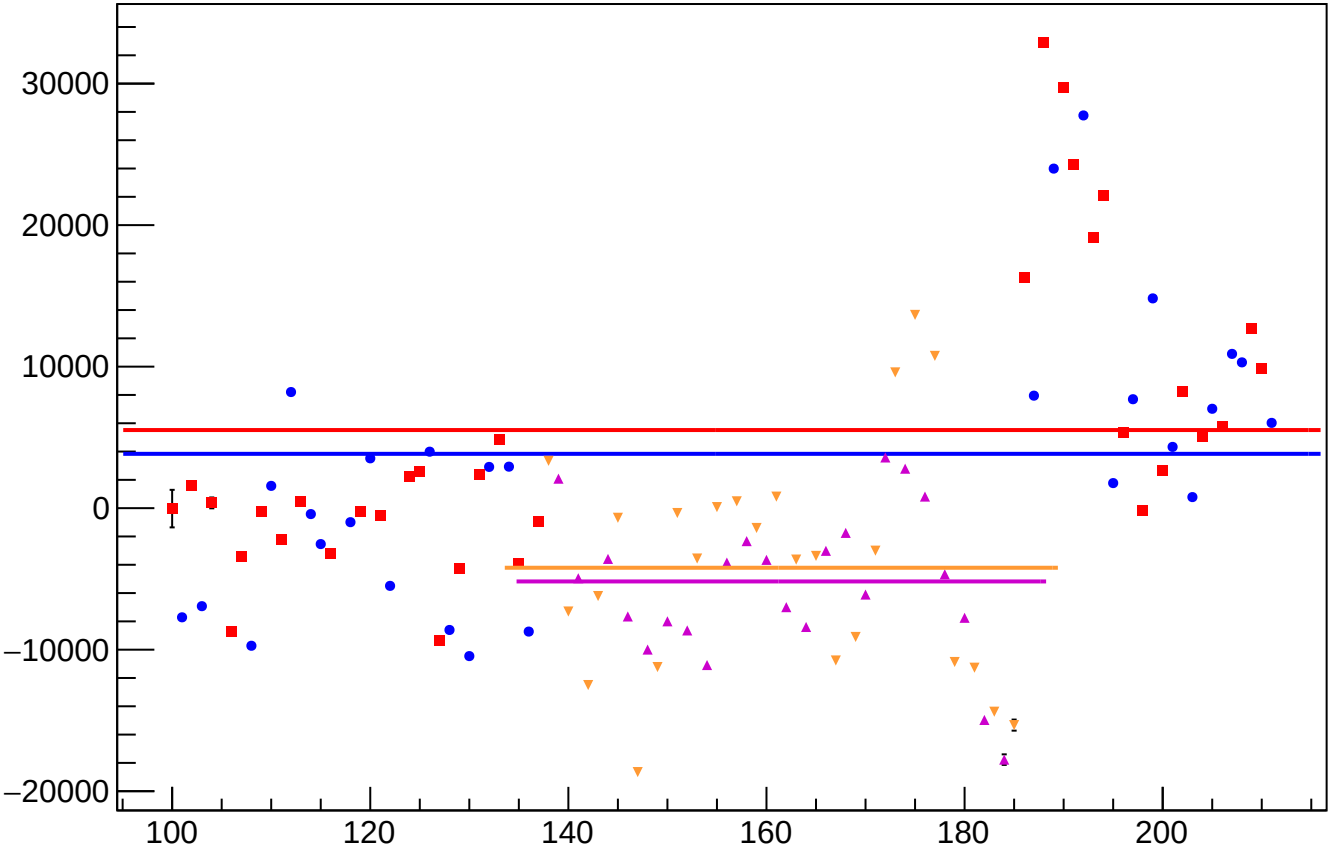
Right: 255.825+/-0.038 χ^2/NDF: 21612375.7/60

In: 236.087+/-0.032 χ^2/NDF:11939691.7/50

Out: 242.655+/-0.031 χ^2/NDF:11132756.8/57

All: 239.458+/-0.022 χ^2/NDF: 23094652.4/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3838.879+/-34.192 χ^2/NDF: 79516.3/27

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5519.790+/-32.287 χ^2/NDF: 105304.6/32

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

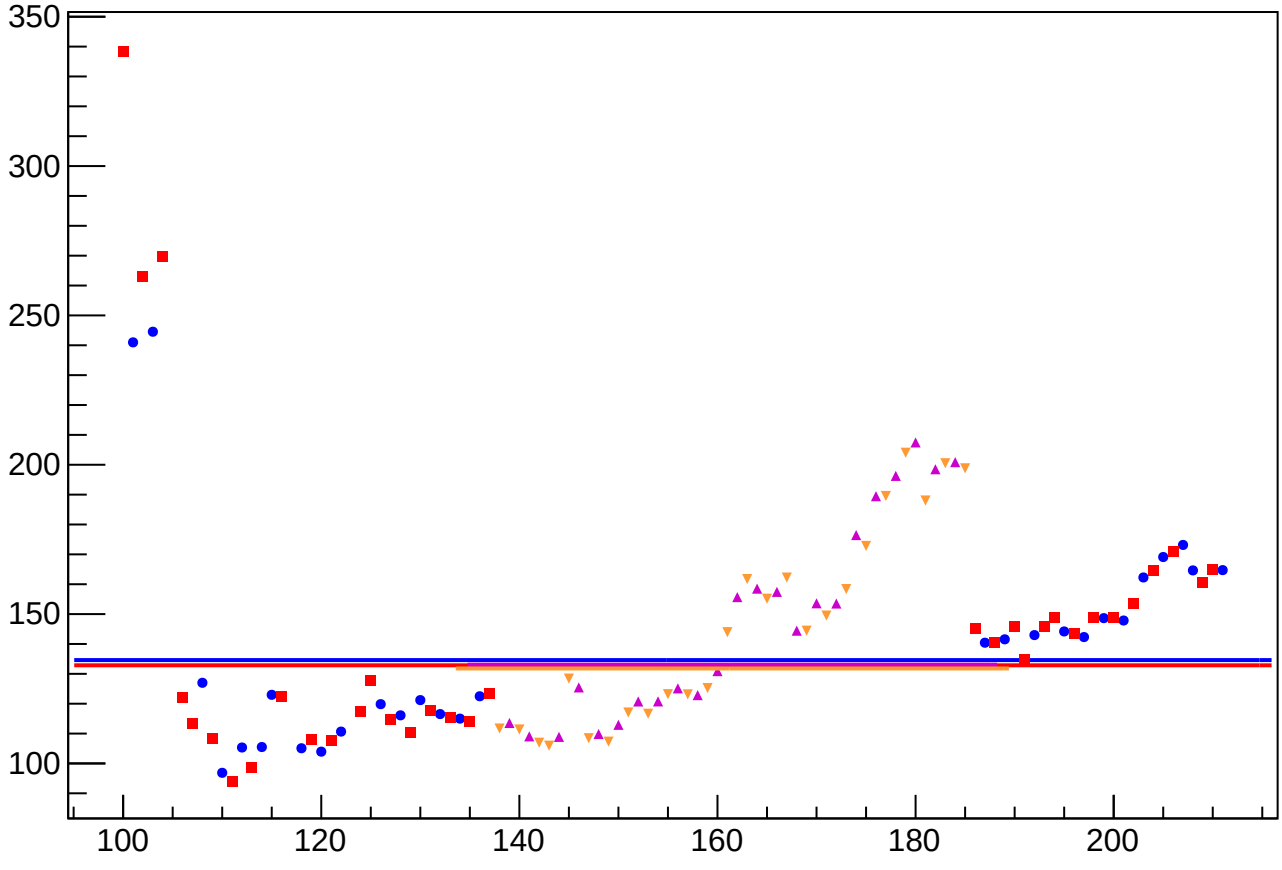
Right: 4727.469+/-23.475 χ^2/NDF: 186098.5/60

In: -972.229+/-23.352 χ^2/NDF:135165.5/50

Out: 429.889+/-22.297 χ^2/NDF:209618.5/57

All: -238.773+/-16.126 χ^2/NDF: 346669.9/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 134.602+/-0.024 χ^2/NDF: 1340187.5/27

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 132.859+/-0.023 χ^2/NDF: 1566001.7/32

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

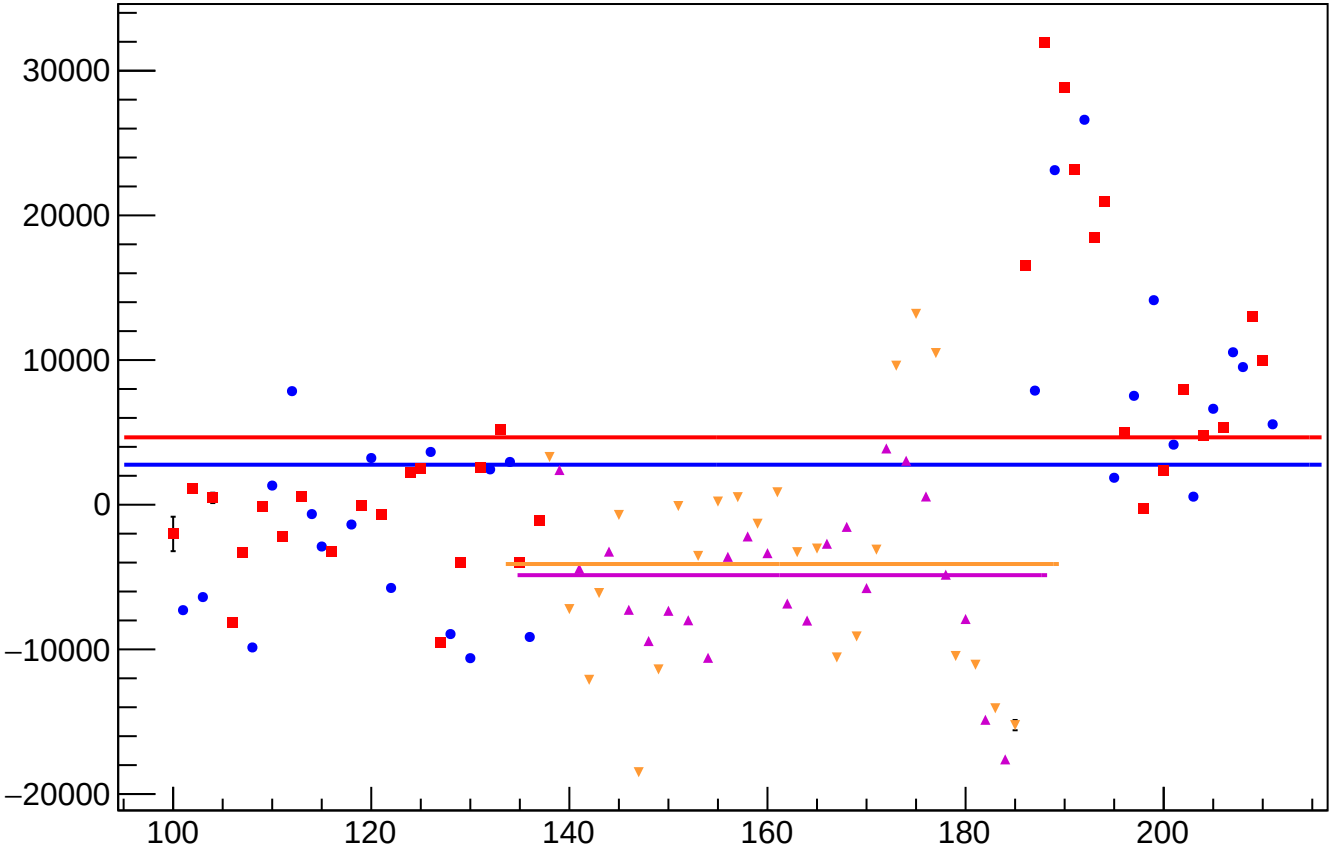
Right: 133.681+/-0.017 χ^2/NDF: 2908936.0/60

In: 133.780+/-0.017 χ^2/NDF:2760606.6/50

Out: 132.304+/-0.016 χ^2/NDF:3111473.3/57

All: 133.008+/-0.011 χ^2/NDF: 5876260.1/108

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2765.367+/-31.349 χ^2/NDF: 87304.9/27

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4657.540+/-29.775 χ^2/NDF: 112137.9/32

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

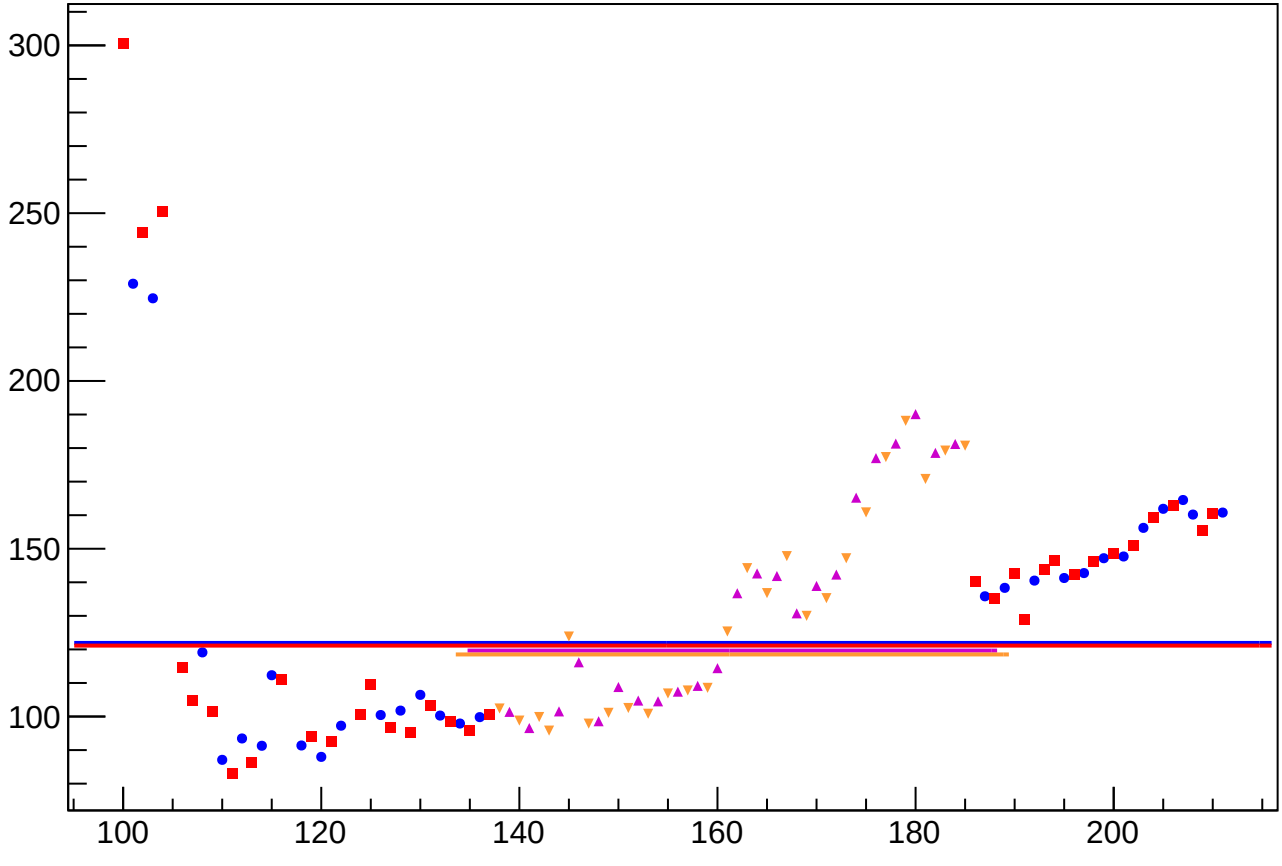
Right: 3760.147+/-21.589 χ^2/NDF: 201358.1/60

In: -1374.010+/-21.212 χ^2/NDF:141377.5/50

Out: -25.171+/-20.309 χ^2/NDF:224660.4/57

All: -670.257+/-14.669 χ^2/NDF: 368147.5/10

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 121.931+/-0.022 χ^2/NDF: 1992033.9/27

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 121.136+/-0.021 χ^2/NDF: 2224877.8/32

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

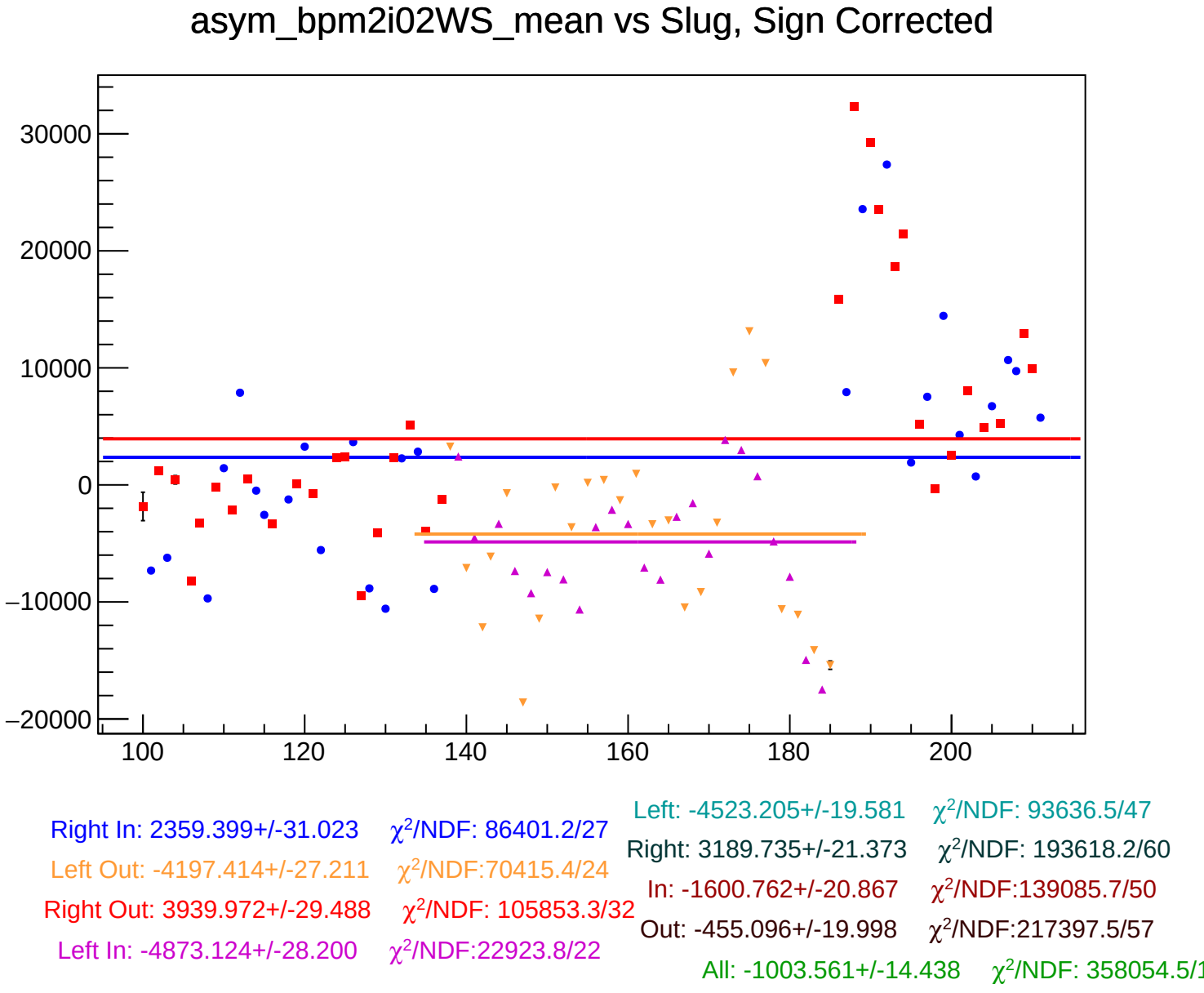
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 121.513+/-0.015 χ^2/NDF: 4217587.9/60

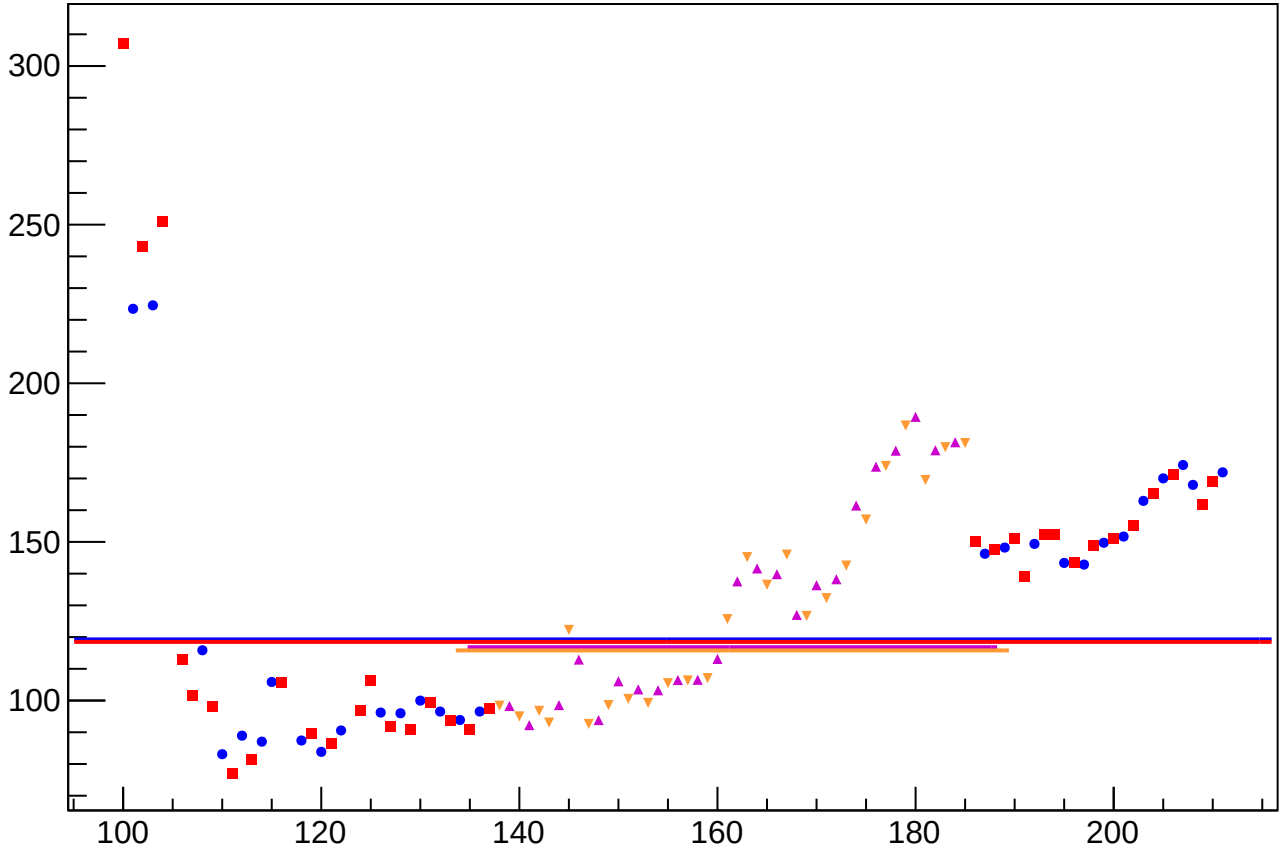
In: 120.692+/-0.015 χ^2/NDF:3510180.9/50

Out: 119.727+/-0.014 χ^2/NDF:3860388.6/57

All: 120.188+/-0.010 χ^2/NDF: 7372726.1/108


asym_bpm2i02WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 2359.399+/-31.023 χ²/NDF: 86401.2/27
Left Out: -4197.414+/-27.211 χ²/NDF:70415.4/24
Right Out: 3939.972+/-29.488 χ²/NDF: 105853.3/32
Left In: -4873.124+/-28.200 χ²/NDF:22923.8/22
Left: -4523.205+/-19.581 χ²/NDF: 93636.5/47
Right: 3189.735+/-21.373 χ²/NDF: 193618.2/60
In: -1600.762+/-20.867 χ²/NDF:139085.7/50
Out: -455.096+/-19.998 χ²/NDF:217397.5/57
All: -1003.561+/-14.438 χ²/NDF: 358054.5/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 119.271+/-0.022 χ^2/NDF: 2584824.7/27

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 118.495+/-0.021 χ^2/NDF: 2943959.8/32

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

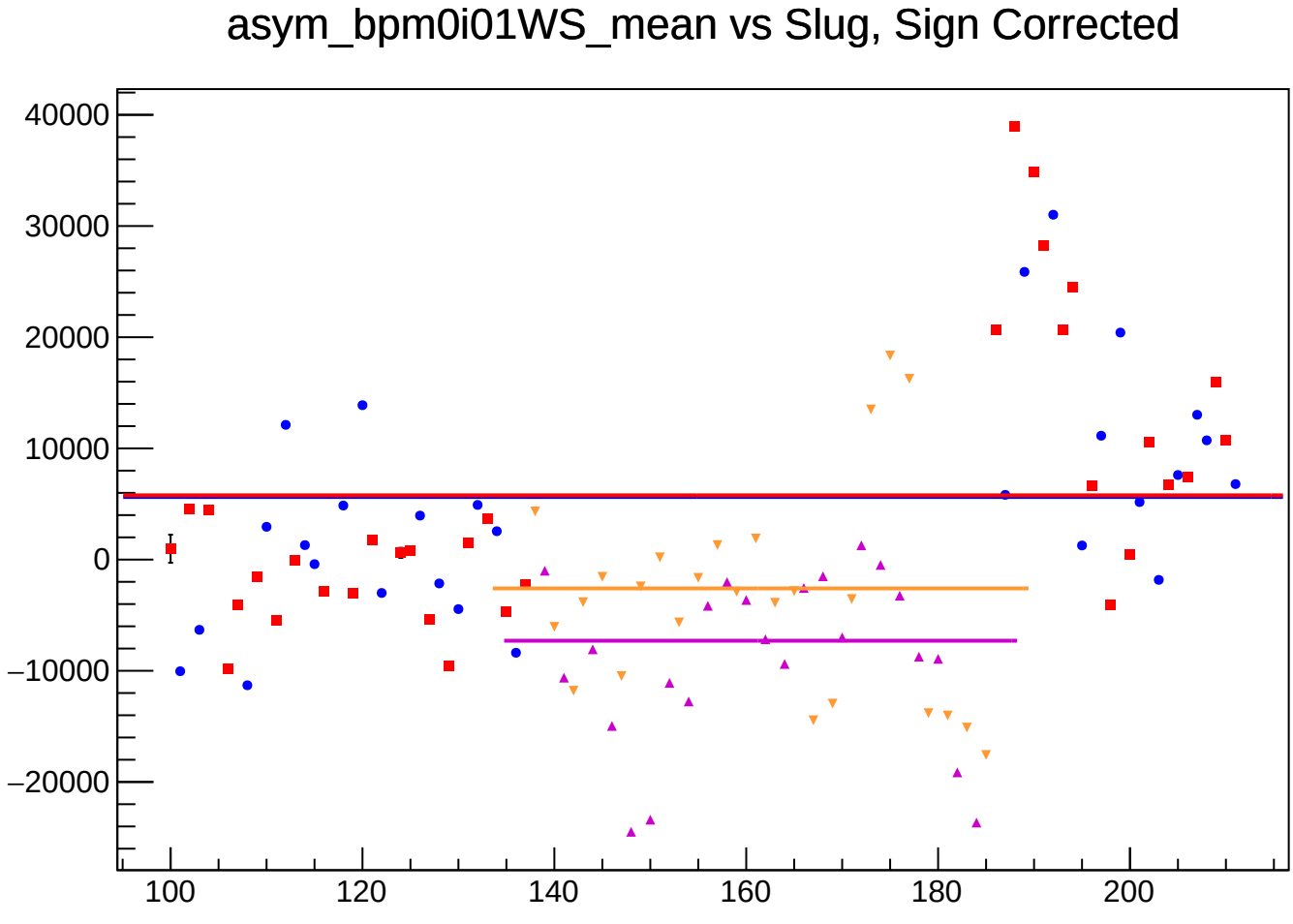
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 118.863+/-0.015 χ^2/NDF: 5529441.8/60

In: 117.923+/-0.015 χ^2/NDF:4209370.4/50

Out: 117.038+/-0.014 χ^2/NDF:4702017.4/57

All: 117.462+/-0.010 χ^2/NDF: 8913260.1/108



Right In: 5631.550+/-40.971 χ^2/NDF: 64397.5/27

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5781.426+/-39.068 χ^2/NDF: 100091.8/32

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

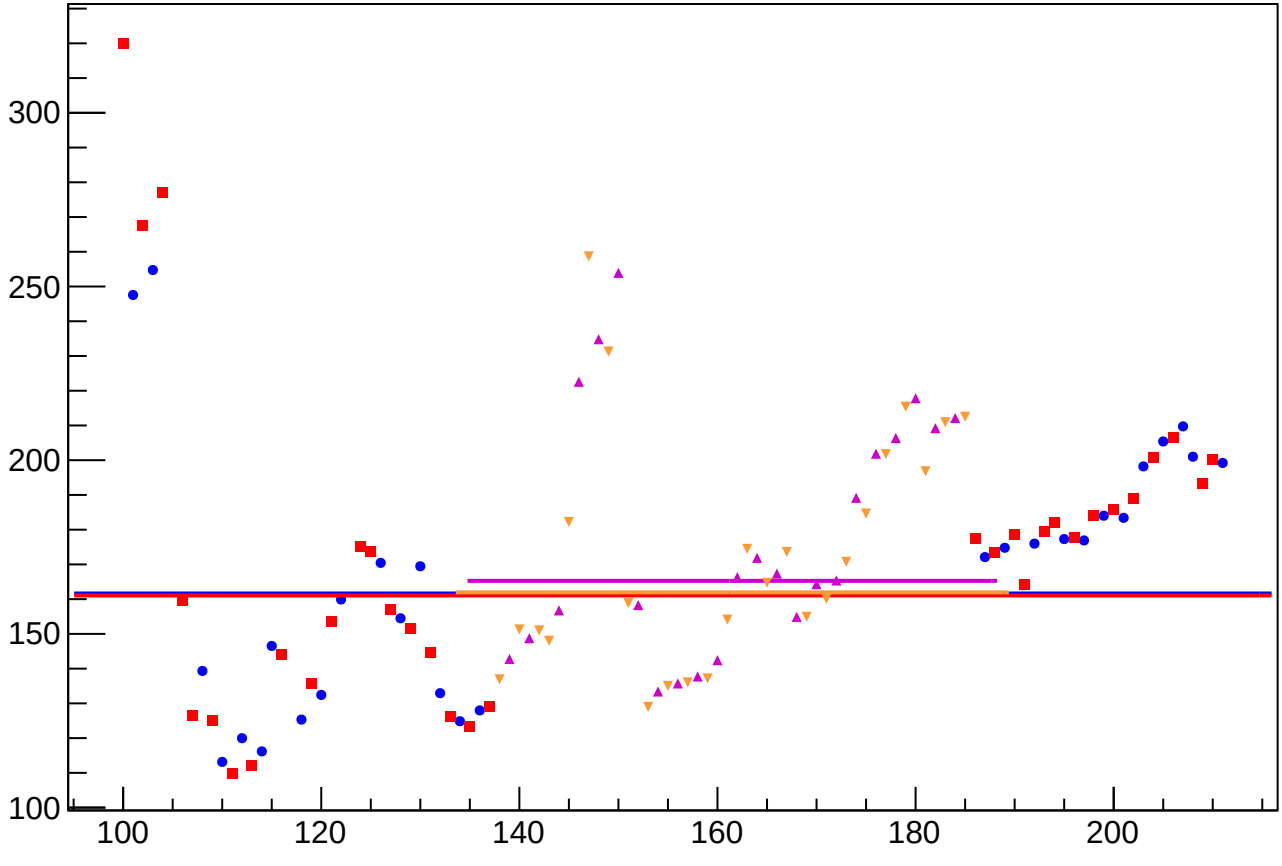
Right: 5710.050+/-28.274 χ^2/NDF: 164496.4/60

In: -1056.192+/-28.465 χ^2/NDF:140646.1/50

Out: 1439.613+/-27.107 χ^2/NDF:171904.7/57

All: 252.634+/-19.630 χ^2/NDF: 316582.5/108

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 161.632+/-0.029 χ^2/NDF: 1414410.9/27

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 161.069+/-0.028 χ^2/NDF: 1582149.1/32

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

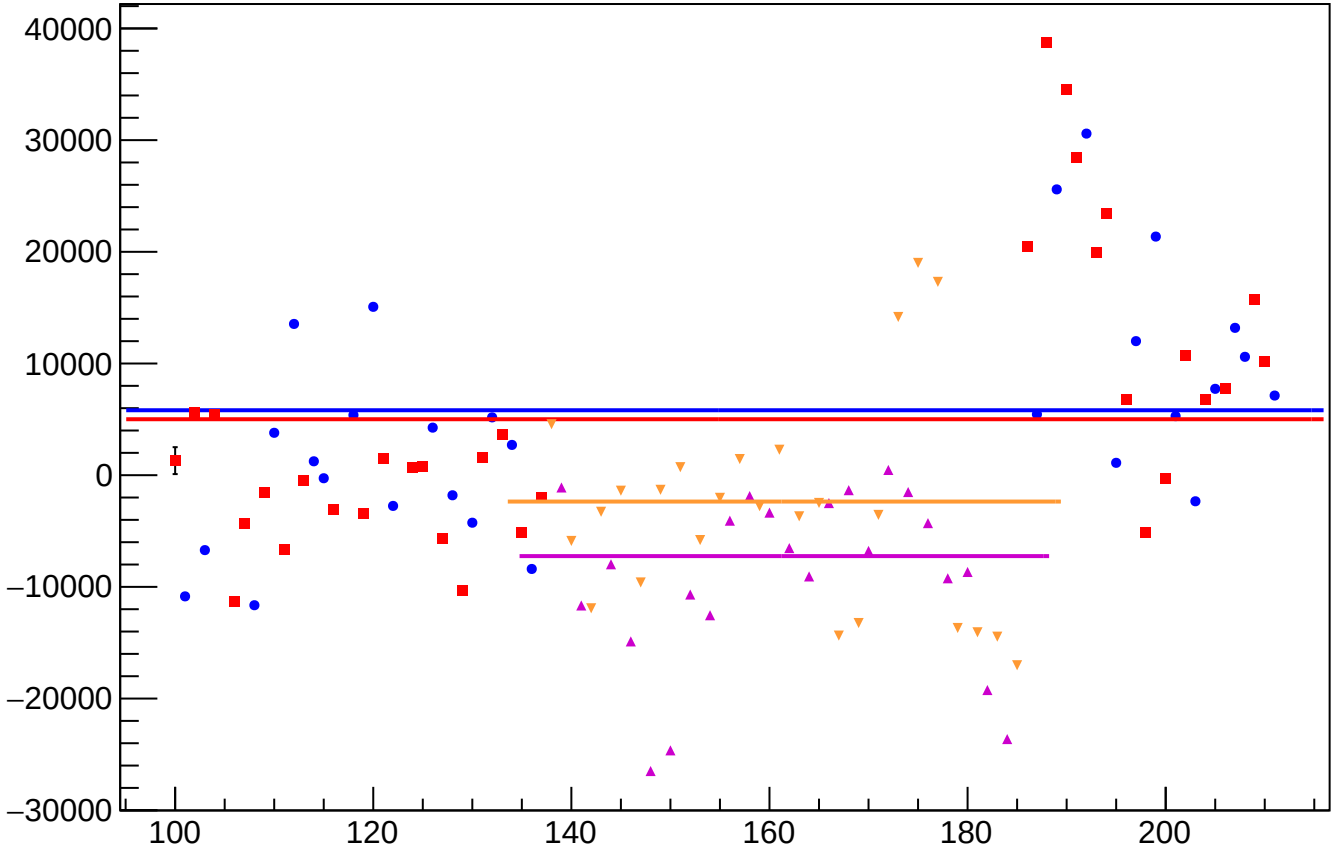
Right: 161.337+/-0.020 χ^2/NDF: 2996758.1/60

In: 163.515+/-0.020 χ^2/NDF:2601670.7/50

Out: 161.529+/-0.019 χ^2/NDF:2727493.7/57

All: 162.474+/-0.014 χ^2/NDF: 5334270.0/108

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5815.241+/-34.819 χ^2/NDF: 89865.9/27

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 5010.245+/-33.034 χ^2/NDF: 139342.8/32

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

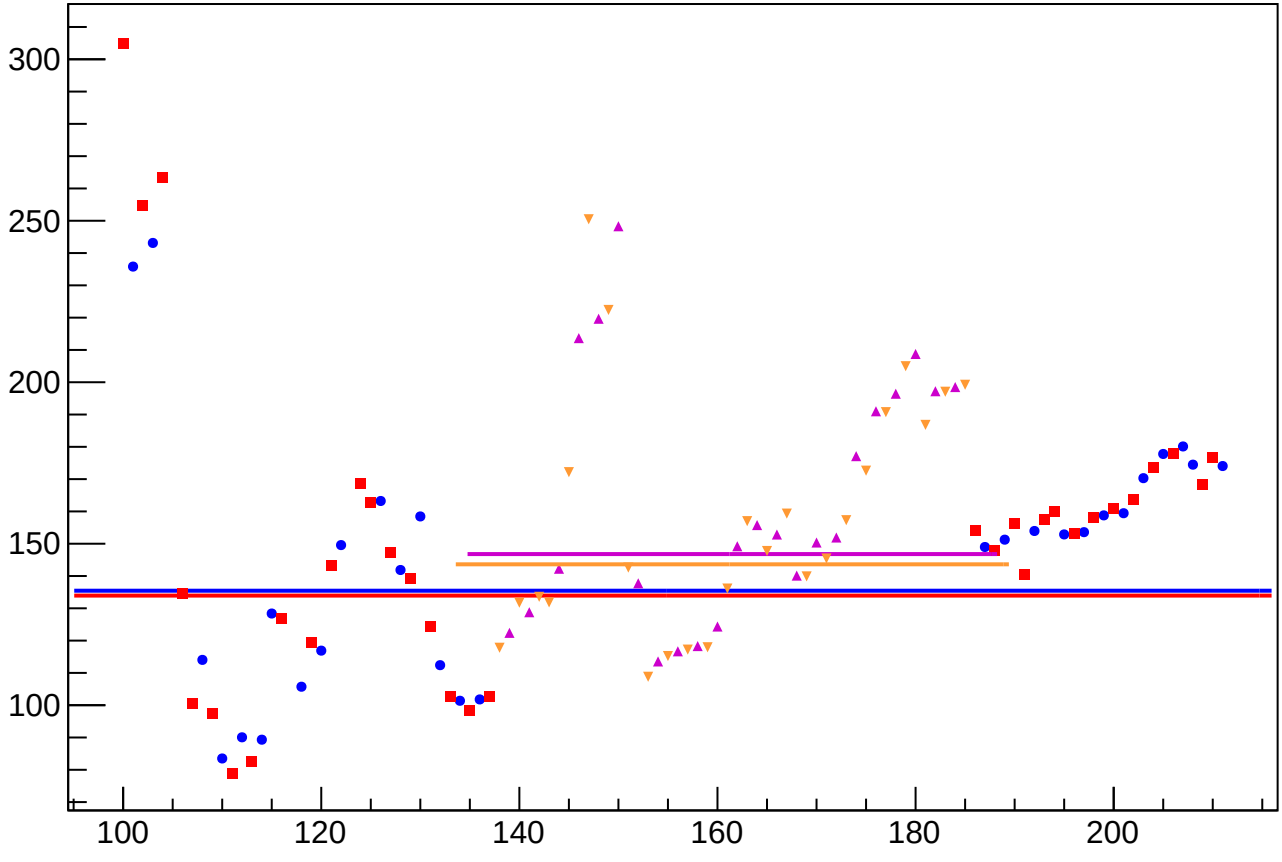
Right: 5391.579+/-23.965 χ^2/NDF: 229490.0/60

In: -586.926+/-24.860 χ^2/NDF:189281.1/50

Out: 1396.174+/-23.584 χ^2/NDF:222321.6/57

All: 456.857+/-17.110 χ^2/NDF: 414951.9/108

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 135.450+/-0.025 χ^2/NDF: 2110944.0/27

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 133.941+/-0.023 χ^2/NDF: 2491350.7/32

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

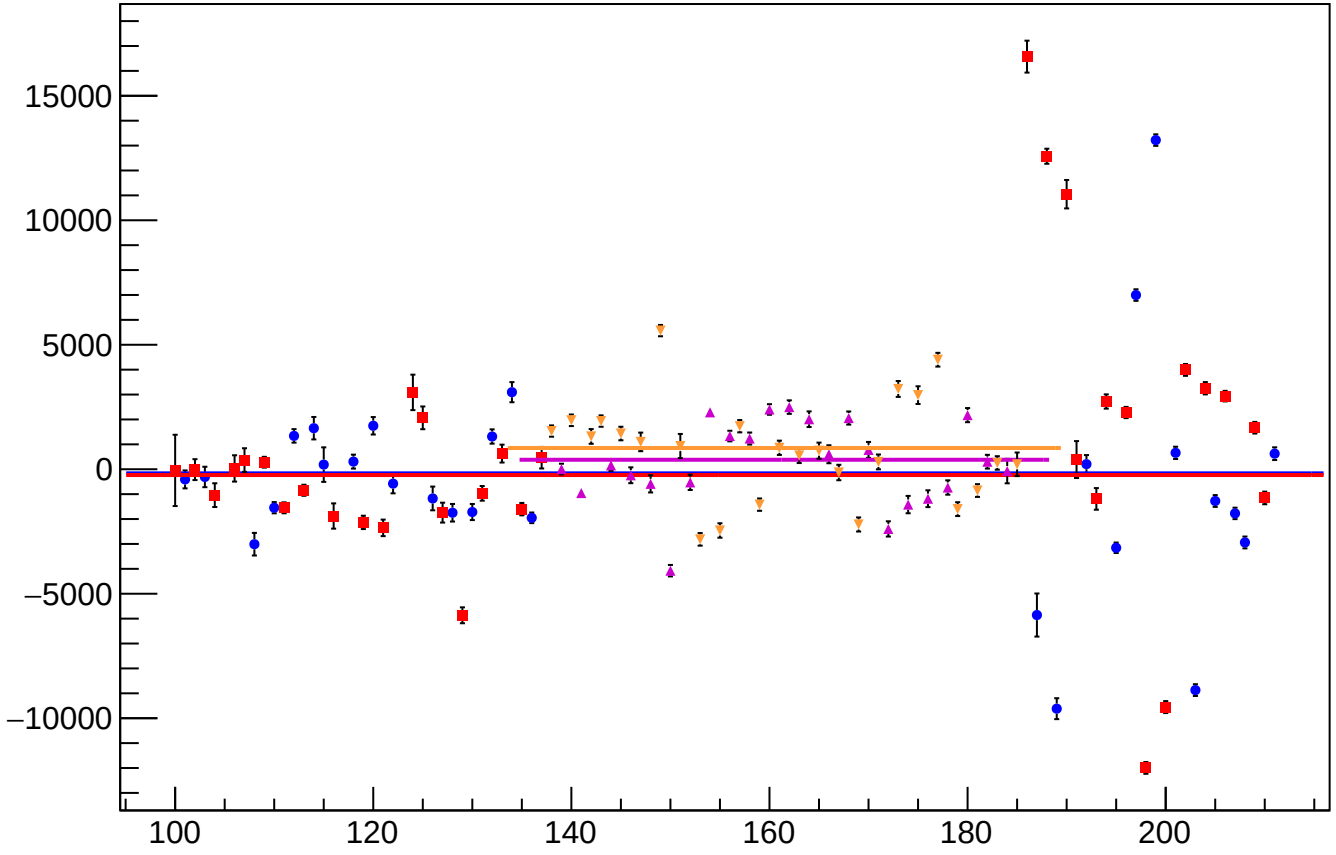
Right: 134.656+/-0.017 χ^2/NDF: 4604272.4/60

In: 141.011+/-0.018 χ^2/NDF:3909527.8/50

Out: 138.688+/-0.017 χ^2/NDF:4238410.2/57

All: 139.788+/-0.012 χ^2/NDF: 8157128.9/108

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -165.173+/-55.310 χ^2/NDF: 7009.4/27

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -232.820+/-53.318 χ^2/NDF: 8478.7/32

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

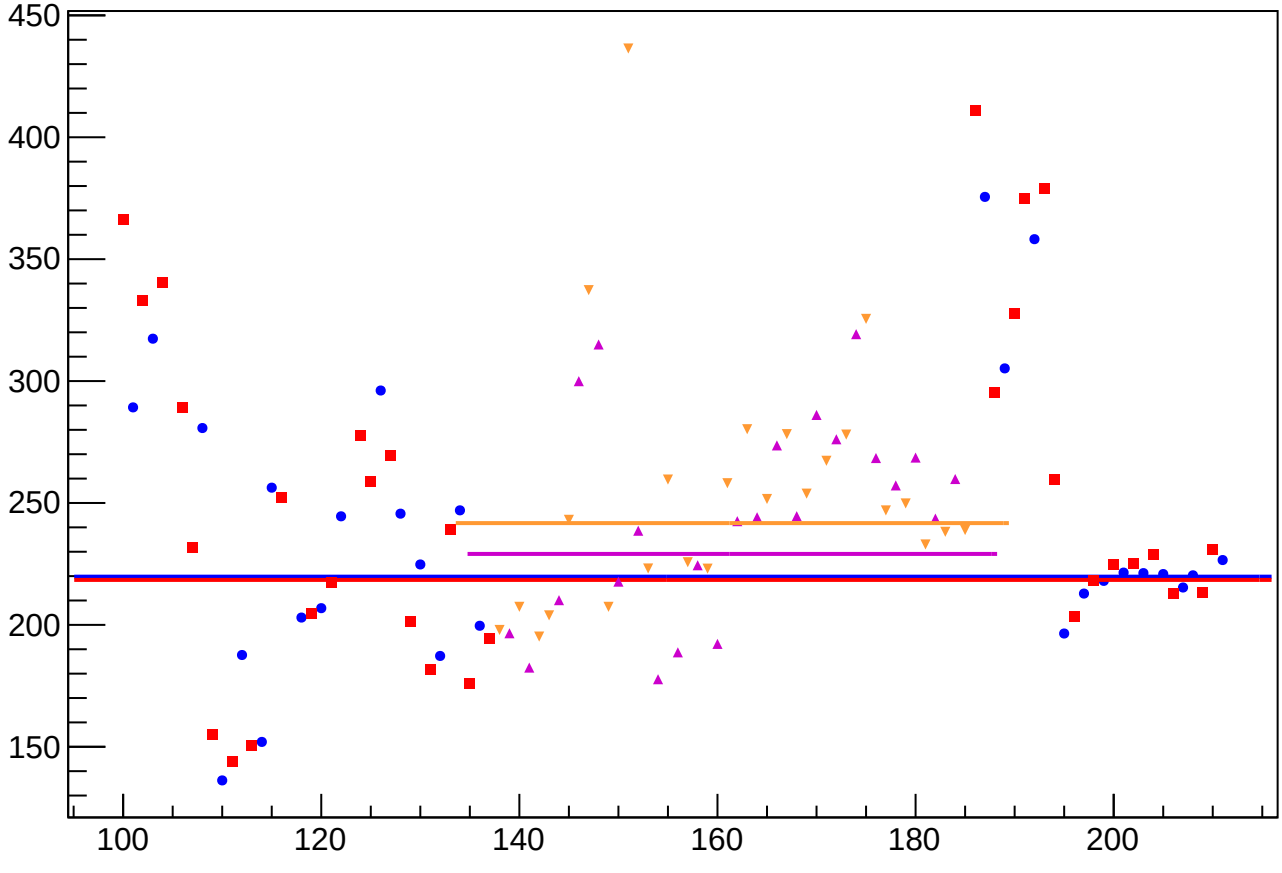
Right: -200.236+/-38.387 χ^2/NDF: 15488.9/60

In: 108.711+/-39.048 χ^2/NDF:8040.7/50

Out: 281.622+/-38.692 χ^2/NDF:10119.2/57

All: 195.958+/-27.485 χ^2/NDF: 18169.8/108

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.777+/-0.039 χ^2/NDF: 1173600.3/27

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.444+/-0.038 χ^2/NDF: 1915867.3/32

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

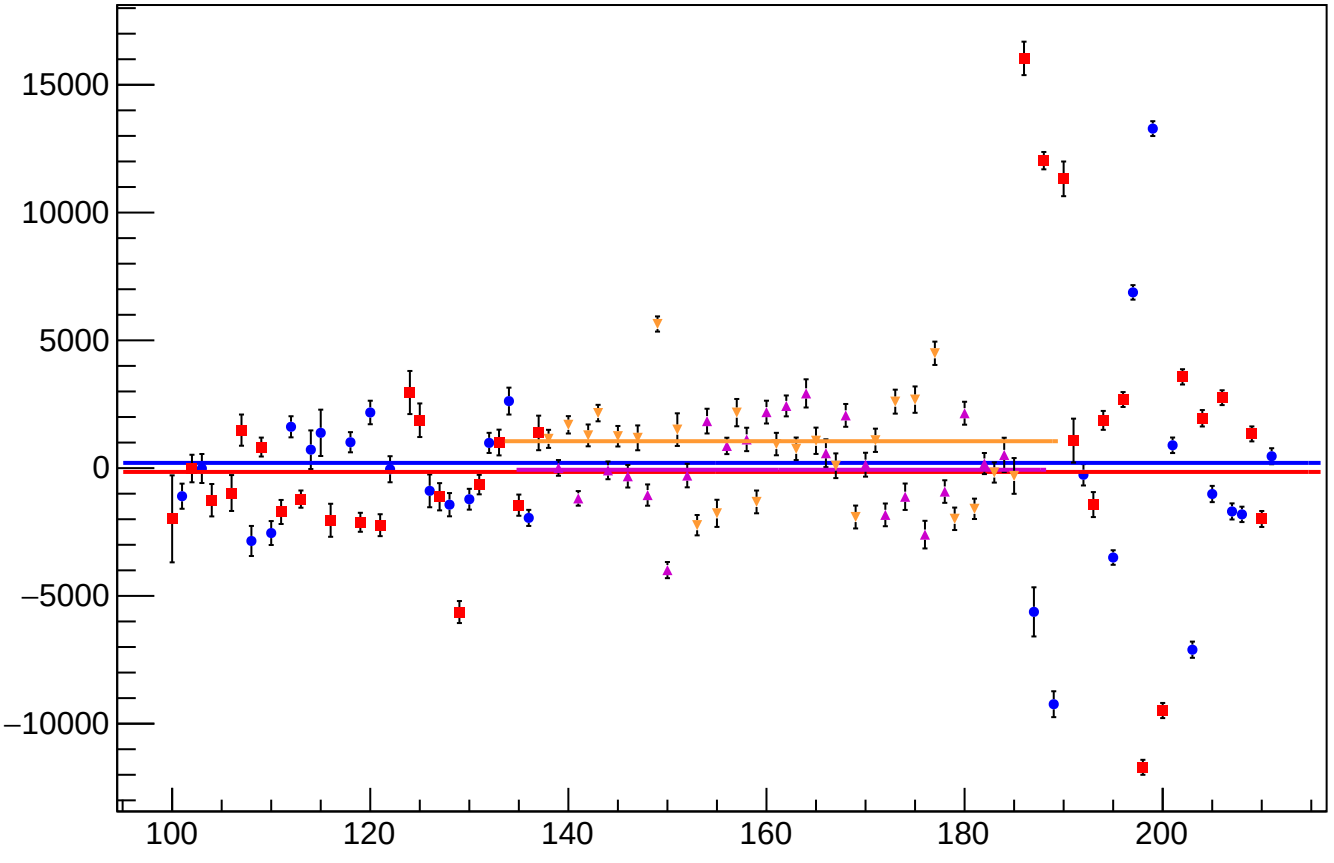
Right: 219.086+/-0.027 χ^2/NDF: 3090069.9/60

In: 224.455+/-0.028 χ^2/NDF:2271081.8/50

Out: 229.475+/-0.027 χ^2/NDF:3083086.7/57

All: 226.988+/-0.019 χ^2/NDF: 5370845.3/108

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 204.681+/-74.301 χ^2/NDF: 3971.6/27

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -149.255+/-71.868 χ^2/NDF: 5538.8/32

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

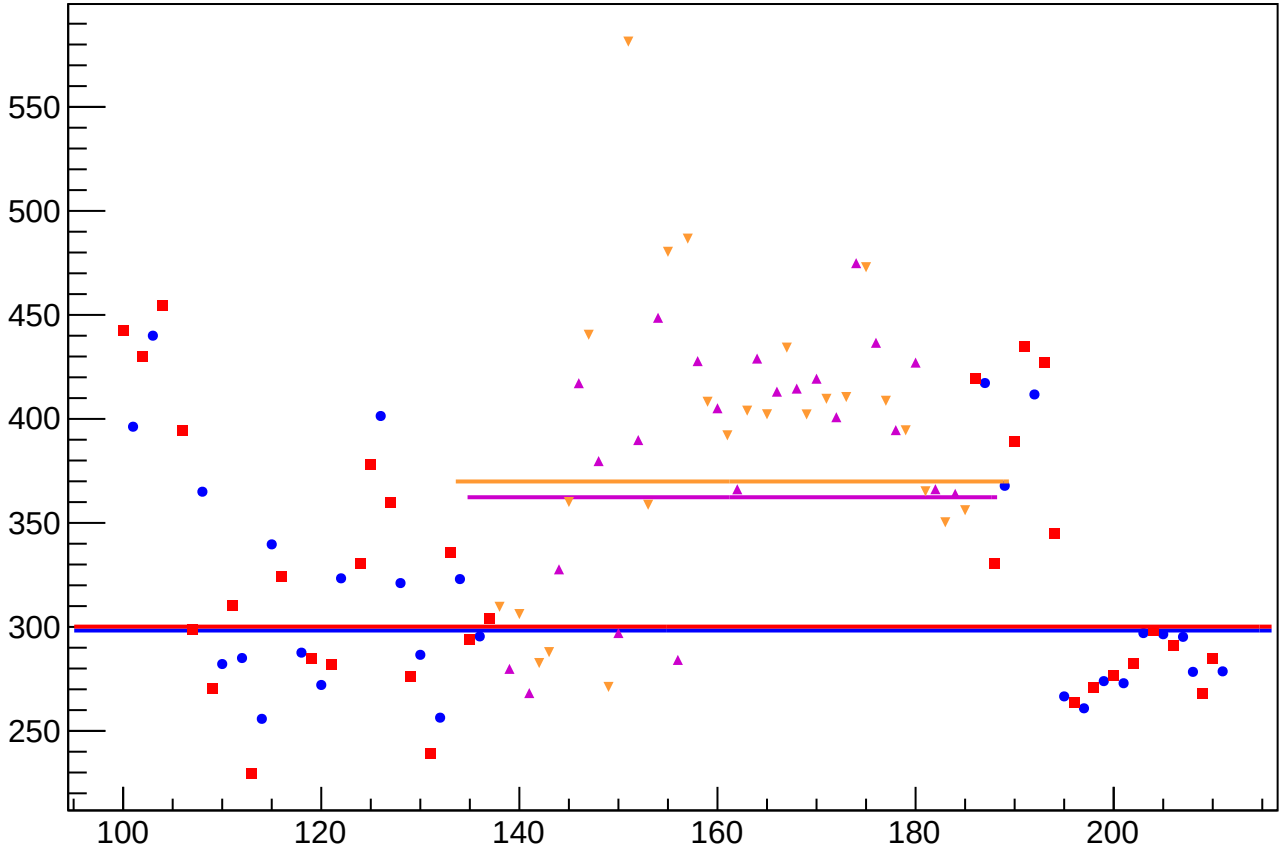
Right: 21.822+/-51.657 χ^2/NDF: 9522.1/60

In: 90.575+/-56.407 χ^2/NDF:4371.6/50

Out: 345.956+/-55.119 χ^2/NDF:6268.7/57

All: 221.214+/-39.422 χ^2/NDF: 10650.7/108

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 298.272+/-0.053 χ^2/NDF: 662847.0/27

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.141+/-0.051 χ^2/NDF: 953047.7/32

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

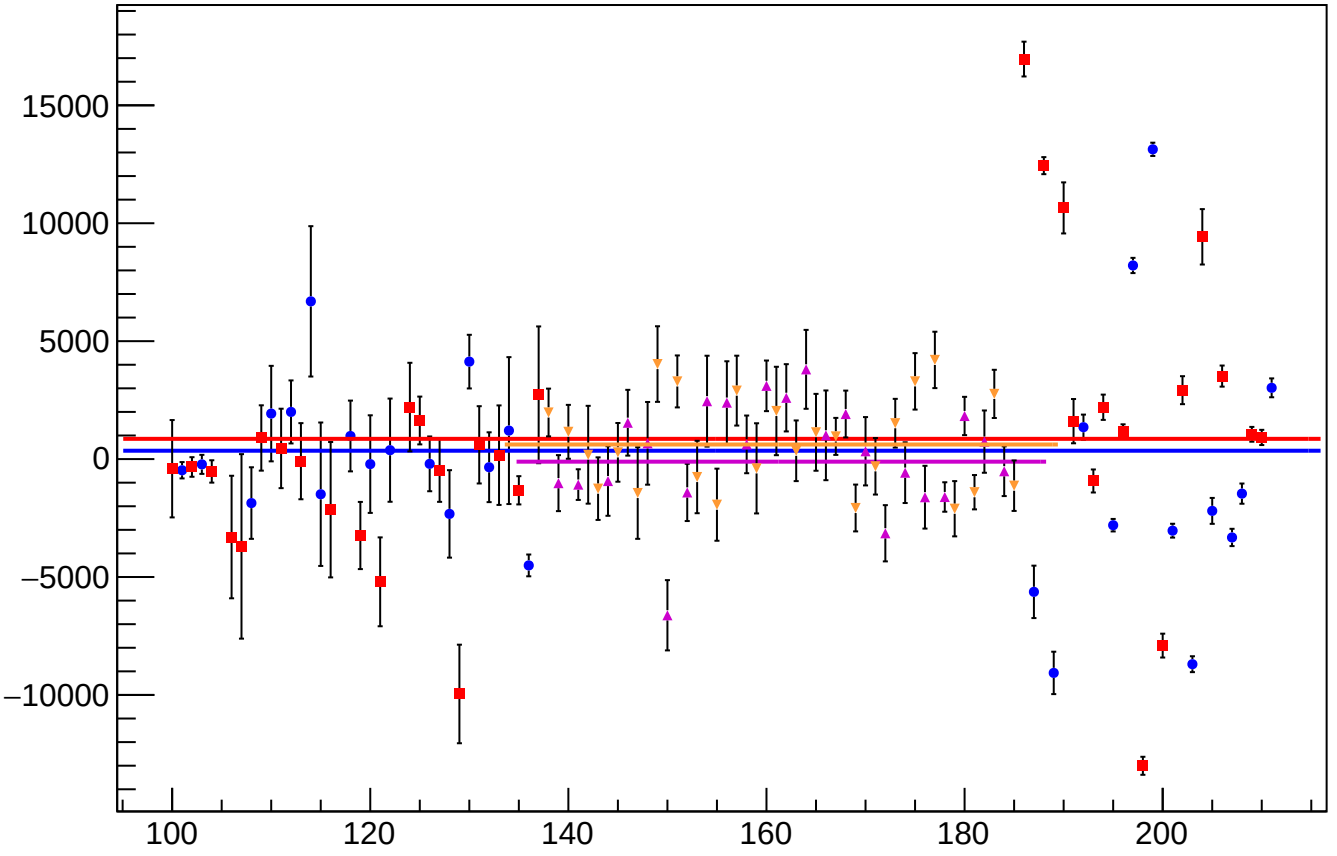
Right: 299.238+/-0.037 χ^2/NDF: 1616548.9/60

In: 325.416+/-0.040 χ^2/NDF:2346279.9/50

Out: 328.876+/-0.039 χ^2/NDF:2959805.8/57

All: 327.186+/-0.028 χ^2/NDF: 5309935.9/108

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 354.627+/-95.879 χ^2/NDF: 4122.9/27

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 858.490+/-106.427 χ^2/NDF: 3408.9/32

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

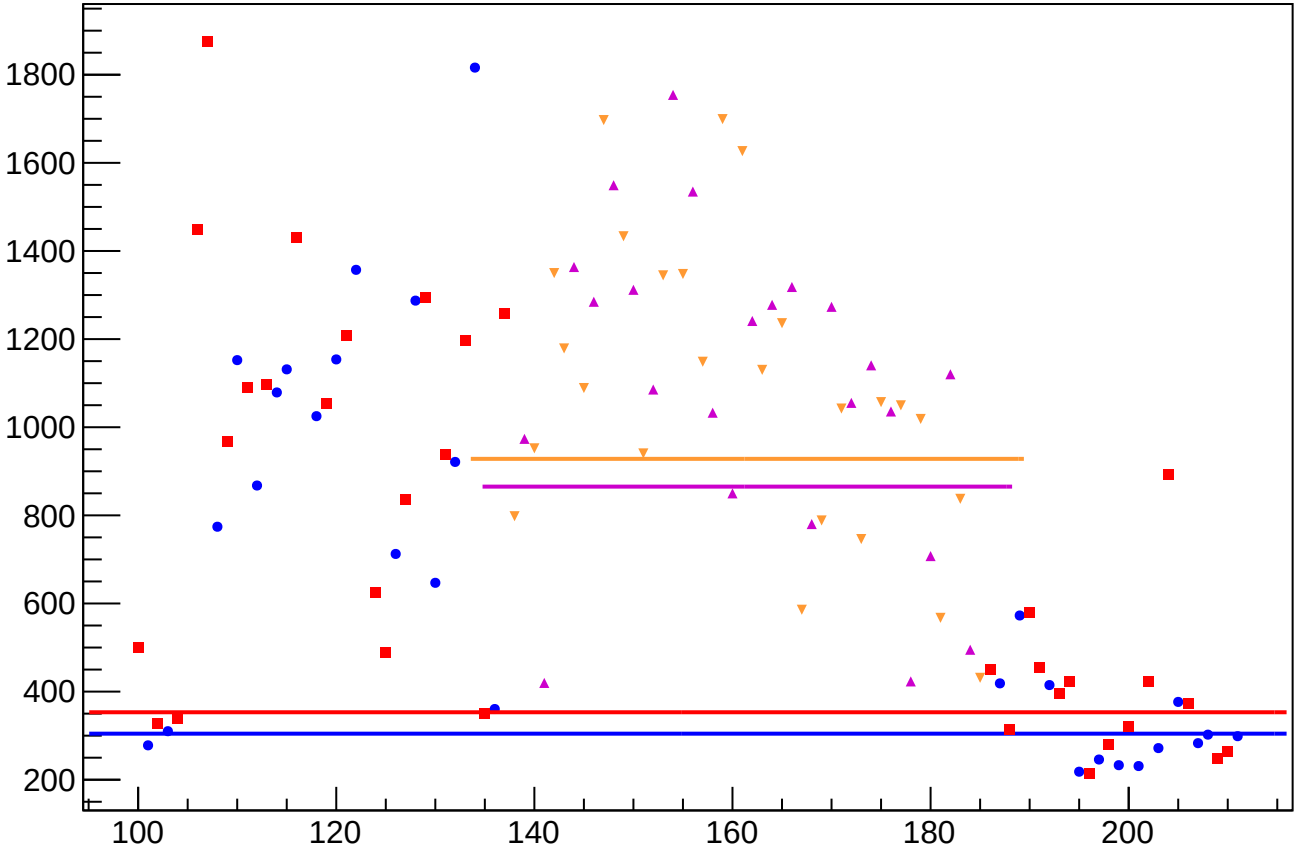
Right: 580.357+/-71.235 χ^2/NDF: 7544.2/60

In: 289.738+/-88.924 χ^2/NDF:4197.9/50

Out: 818.546+/-97.166 χ^2/NDF:3475.5/57

All: 530.767+/-65.599 χ^2/NDF: 7689.5/108

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.539+/-0.068 χ^2/NDF: 5152822.6/27

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 353.117+/-0.075 χ^2/NDF: 6149699.9/32

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

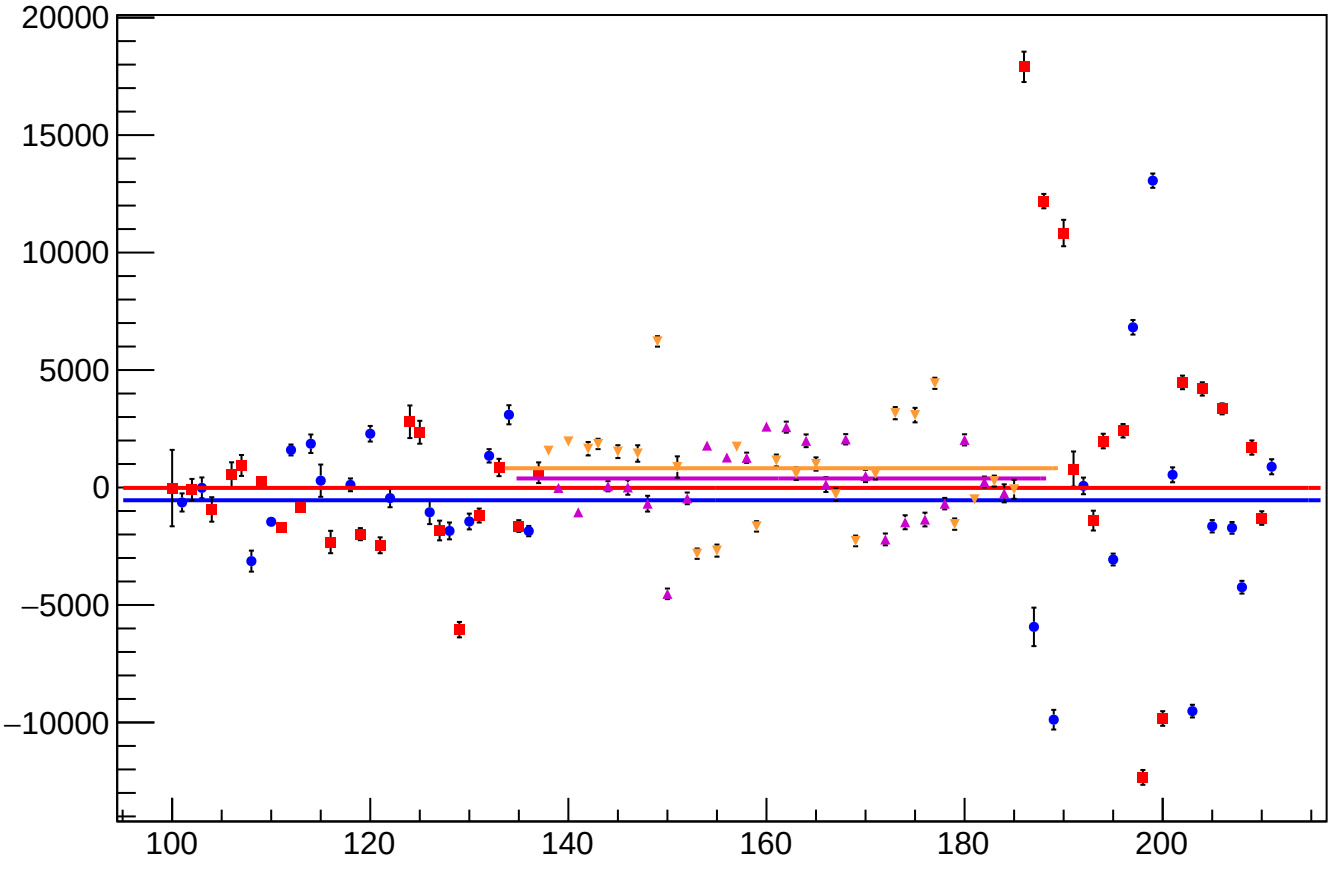
Right: 326.302+/-0.050 χ^2/NDF: 11532531.8/60

In: 382.924+/-0.063 χ^2/NDF:19507333.3/50

Out: 448.856+/-0.069 χ^2/NDF:19166807.5/57

All: 412.976+/-0.046 χ^2/NDF: 39175266.2/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -542.760+/-59.140 χ^2/NDF: 4993.9/27

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -17.085+/-55.967 χ^2/NDF: 6786.7/32

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

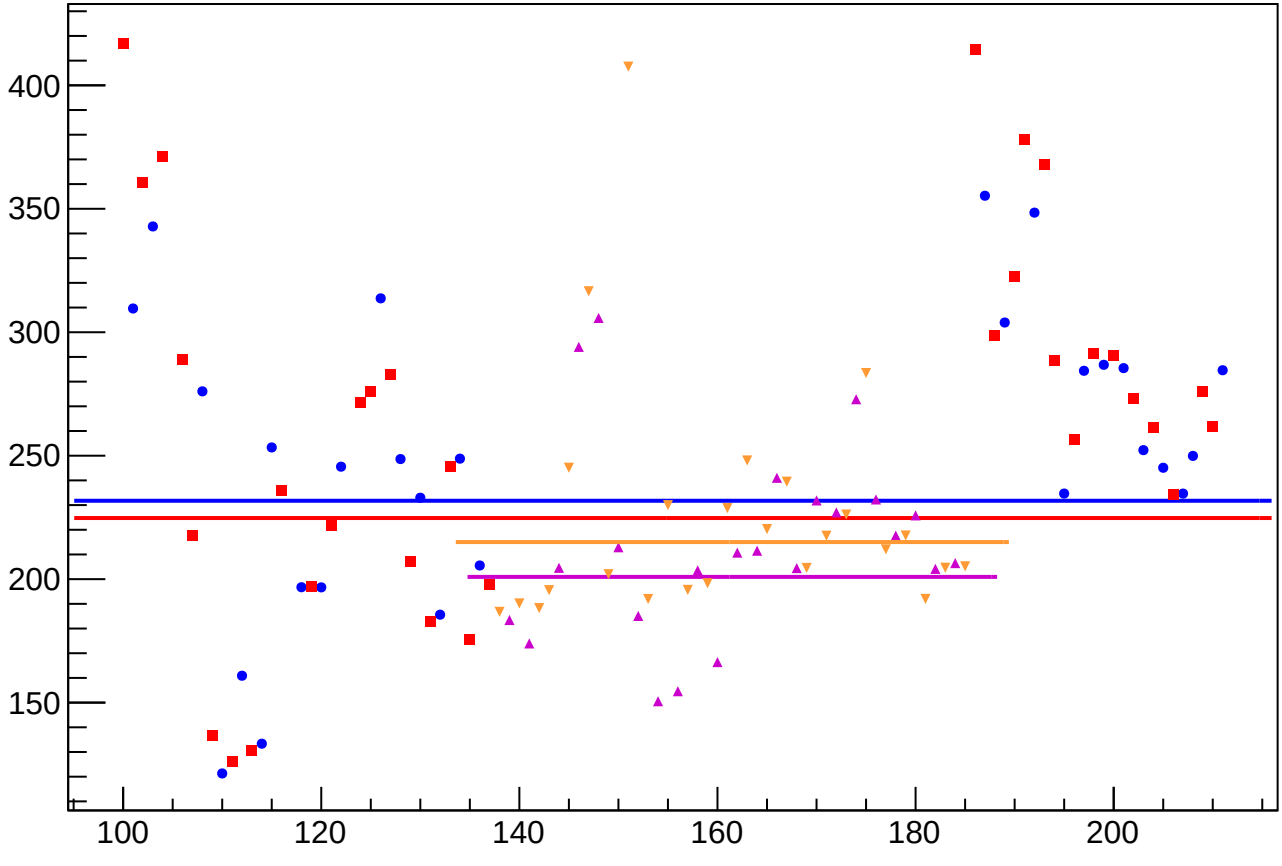
Right: -265.441+/-40.650 χ^2/NDF: 11822.3/60

In: 12.358+/-37.481 χ^2/NDF:6394.4/50

Out: 448.930+/-37.285 χ^2/NDF:8902.1/57

All: 231.785+/-26.434 χ^2/NDF: 15364.8/108

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 231.752+/-0.042 χ^2/NDF: 1913929.8/27

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 224.754+/-0.040 χ^2/NDF: 3175174.7/32

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

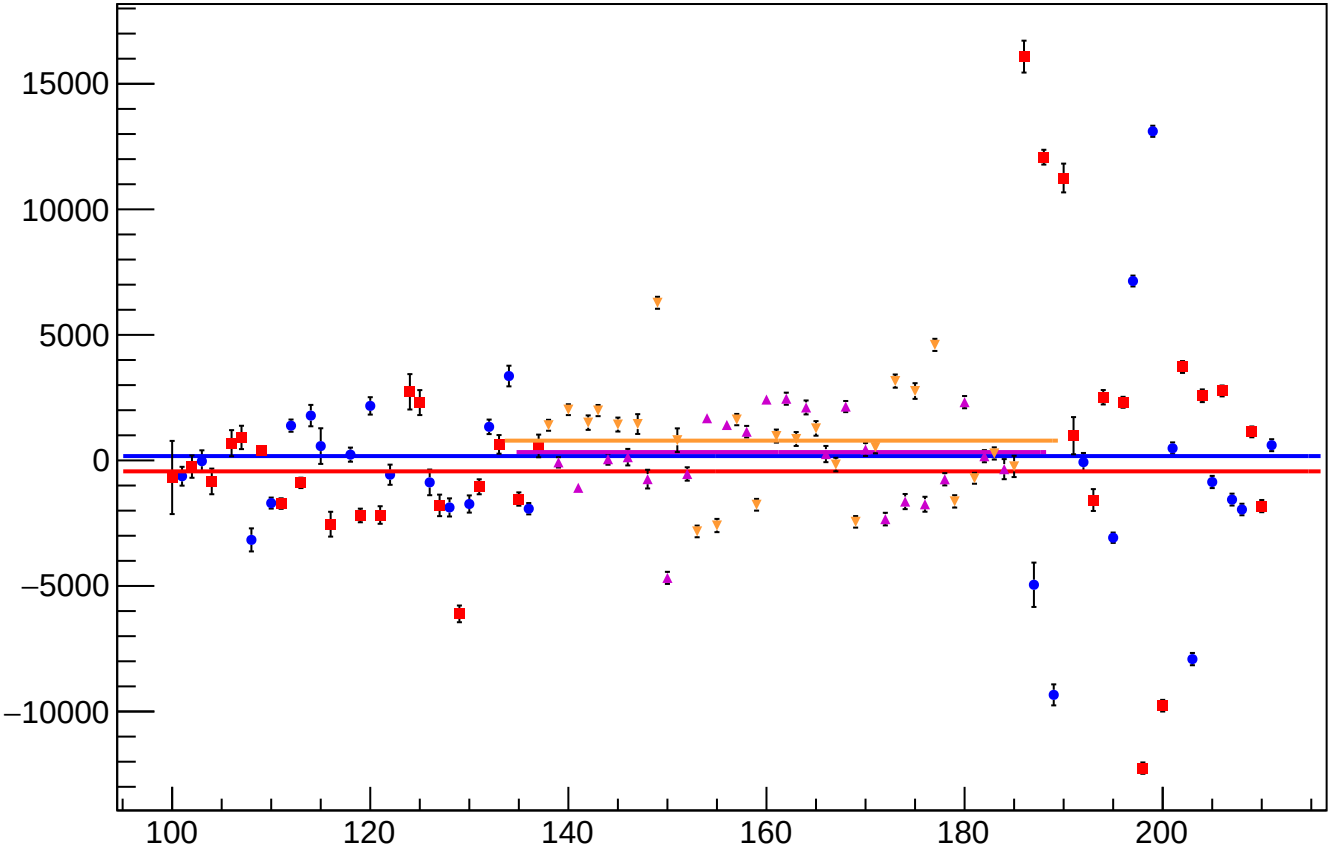
Right: 228.060+/-0.029 χ^2/NDF: 5103876.9/60

In: 213.302+/-0.027 χ^2/NDF:3345088.1/50

Out: 219.344+/-0.026 χ^2/NDF:4106568.6/57

All: 216.339+/-0.019 χ^2/NDF: 7477778.9/108

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 172.963+/-54.809 χ^2/NDF: 6935.5/27

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -435.531+/-52.550 χ^2/NDF: 8820.4/32

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

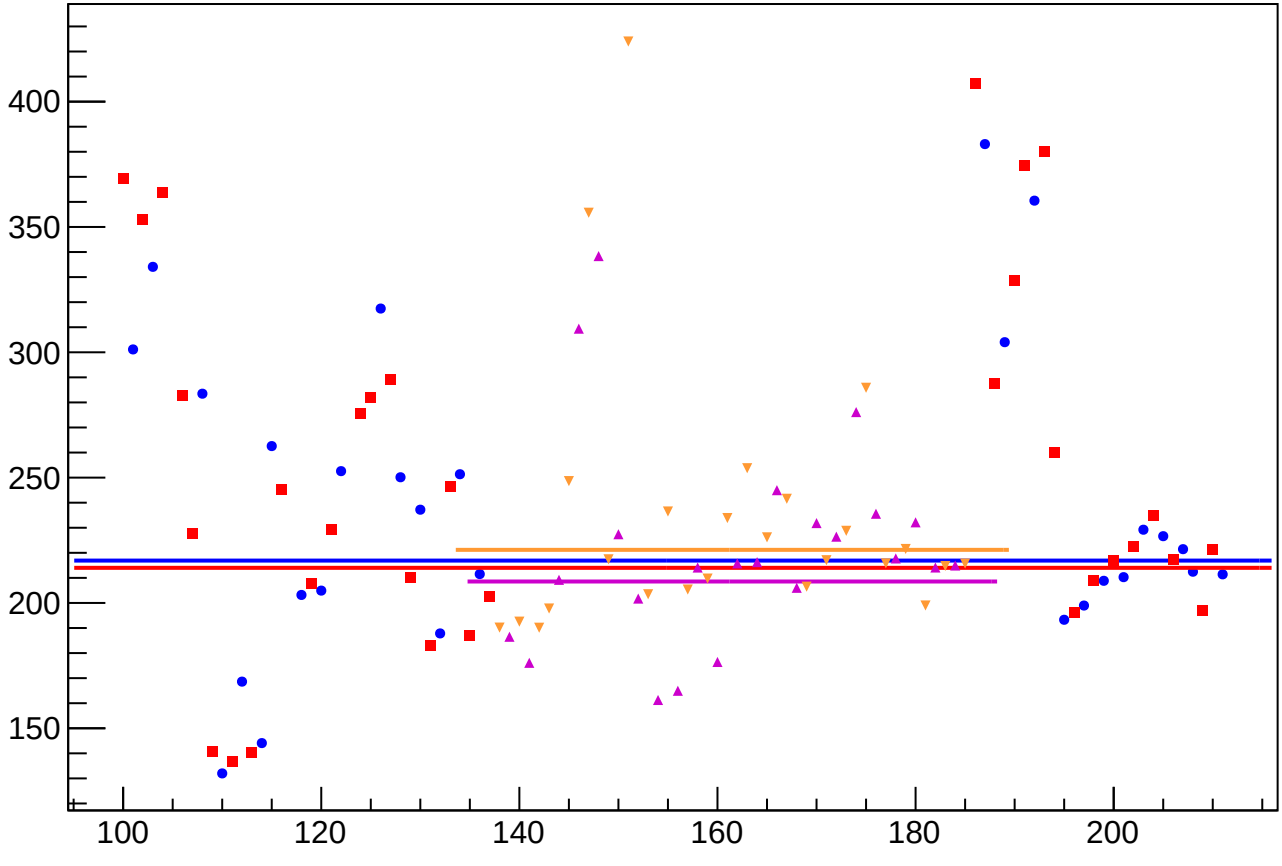
Right: -144.082+/-37.932 χ^2/NDF: 15820.2/60

In: 260.166+/-37.017 χ^2/NDF:8155.4/50

Out: 189.532+/-36.754 χ^2/NDF:10987.6/57

All: 224.597+/-26.081 χ^2/NDF: 19144.8/108

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.902+/-0.039 χ^2/NDF: 1413139.5/27

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.011+/-0.037 χ^2/NDF: 2280251.9/32

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

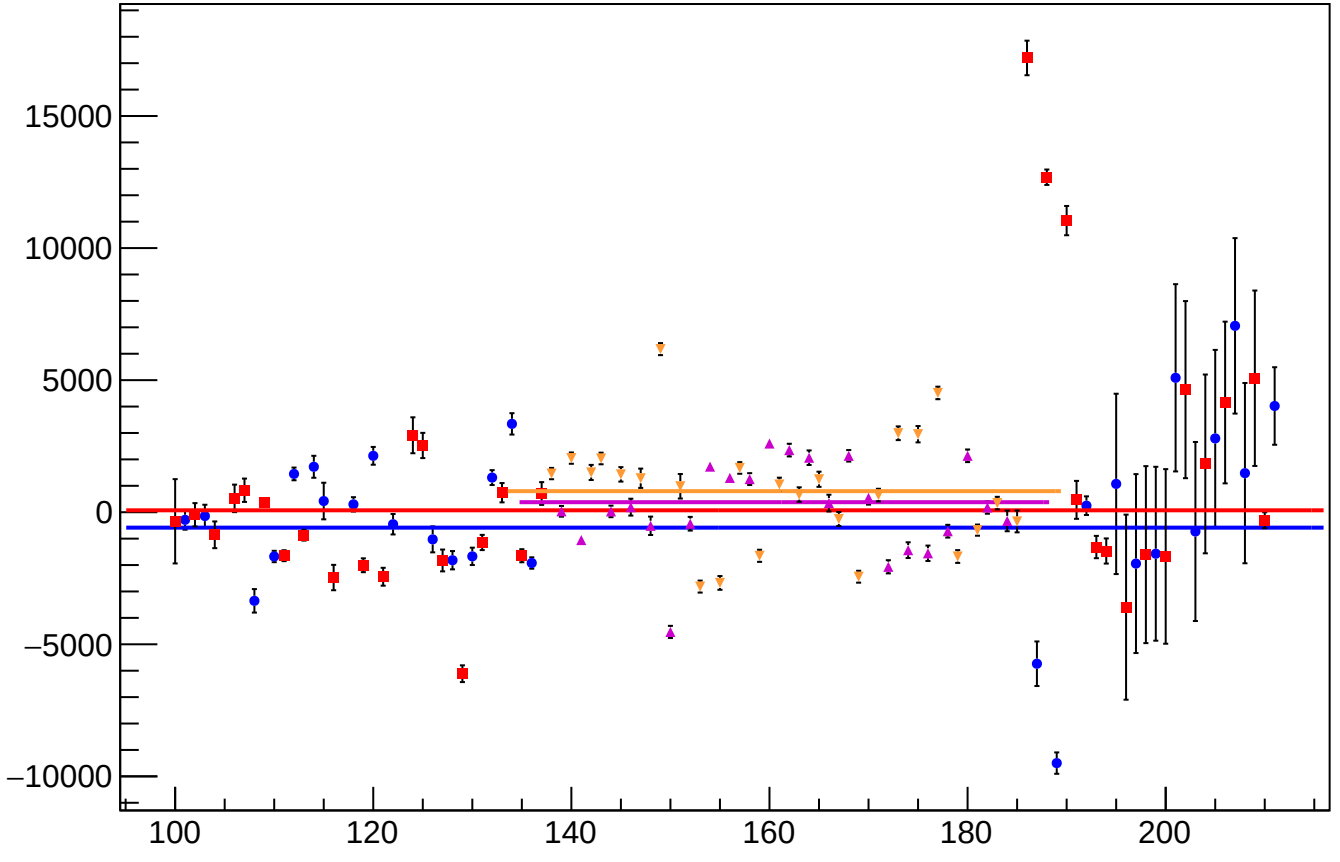
Right: 215.396+/-0.027 χ^2/NDF: 3696289.7/60

In: 212.363+/-0.026 χ^2/NDF:2473997.8/50

Out: 217.676+/-0.026 χ^2/NDF:3238811.6/57

All: 215.038+/-0.018 χ^2/NDF: 5733557.0/108

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -584.073+/-76.235 χ^2/NDF: 996.2/27

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 72.379+/-66.404 χ^2/NDF: 3739.5/32

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

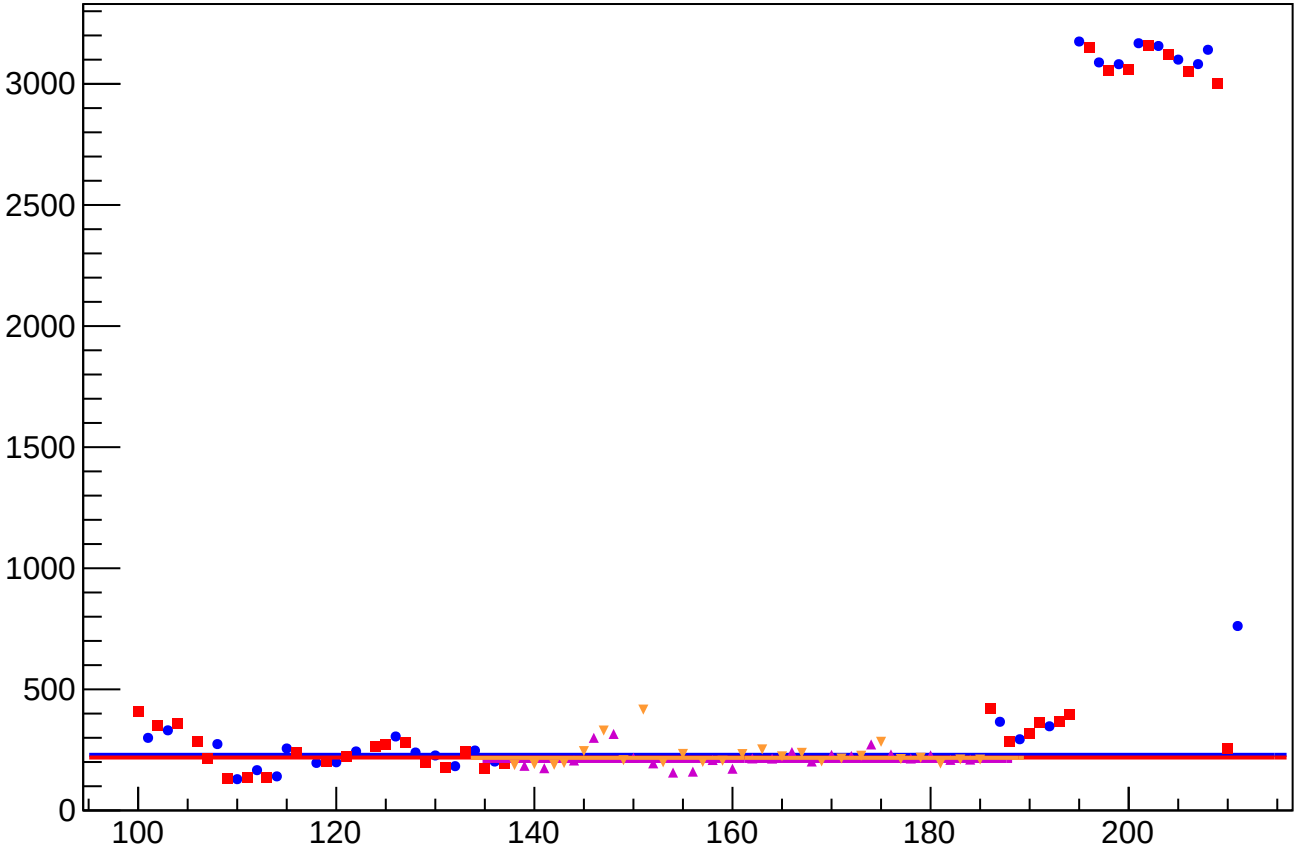
Right: -210.815+/-50.072 χ^2/NDF: 4777.9/60

In: 96.365+/-41.329 χ^2/NDF:2310.2/50

Out: 531.812+/-40.194 χ^2/NDF:5775.9/57

All: 320.148+/-28.814 χ^2/NDF: 8143.2/108

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 229.746+/-0.054 χ^2/NDF: 13328552.0/27

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 218.550+/-0.047 χ^2/NDF: 13126967.1/32

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

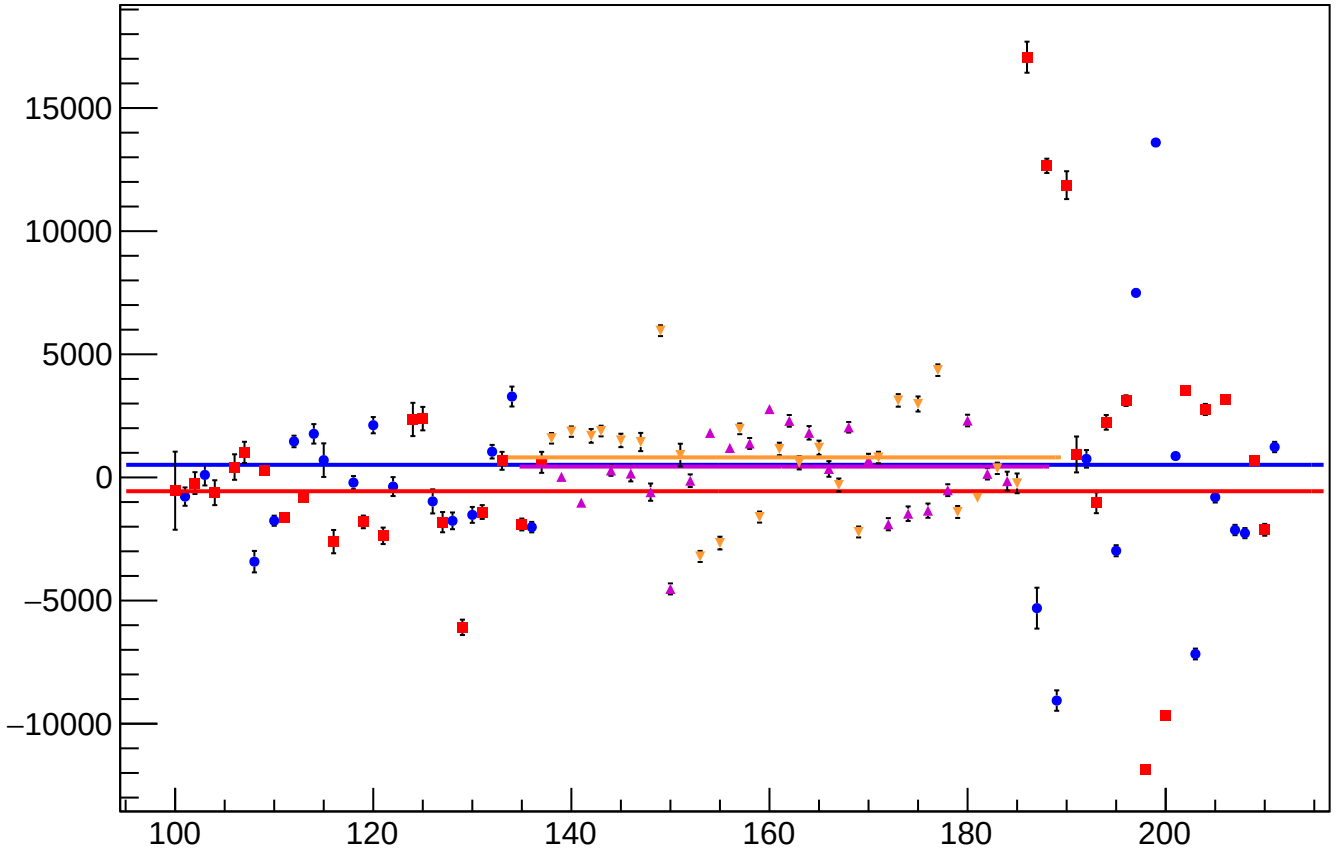
Right: 223.380+/-0.035 χ^2/NDF: 26480045.5/60

In: 211.784+/-0.029 χ^2/NDF:14500831.9/50

Out: 217.710+/-0.028 χ^2/NDF:14037917.0/57

All: 214.829+/-0.020 χ^2/NDF: 28559880.9/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 512.211+/-50.841 χ^2/NDF: 9129.5/27

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -559.718+/-48.898 χ^2/NDF: 10719.4/32

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

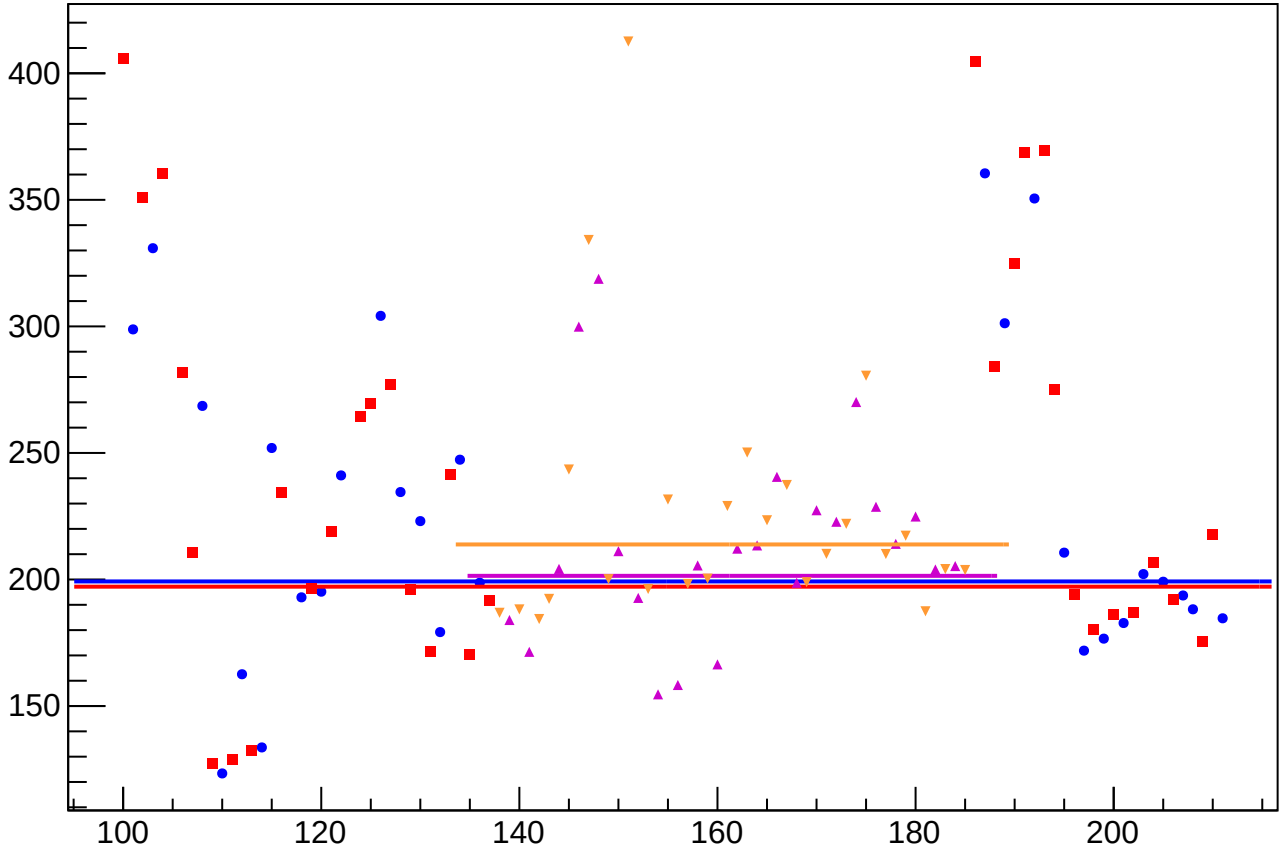
Right: -44.622+/-35.243 χ^2/NDF: 20079.8/60

In: 474.261+/-35.106 χ^2/NDF:10365.5/50

Out: 115.283+/-34.877 χ^2/NDF:13107.6/57

All: 293.595+/-24.742 χ^2/NDF: 23525.8/108

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.233+/-0.036 χ^2/NDF: 1620840.0/27

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.168+/-0.035 χ^2/NDF: 2678639.6/32

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

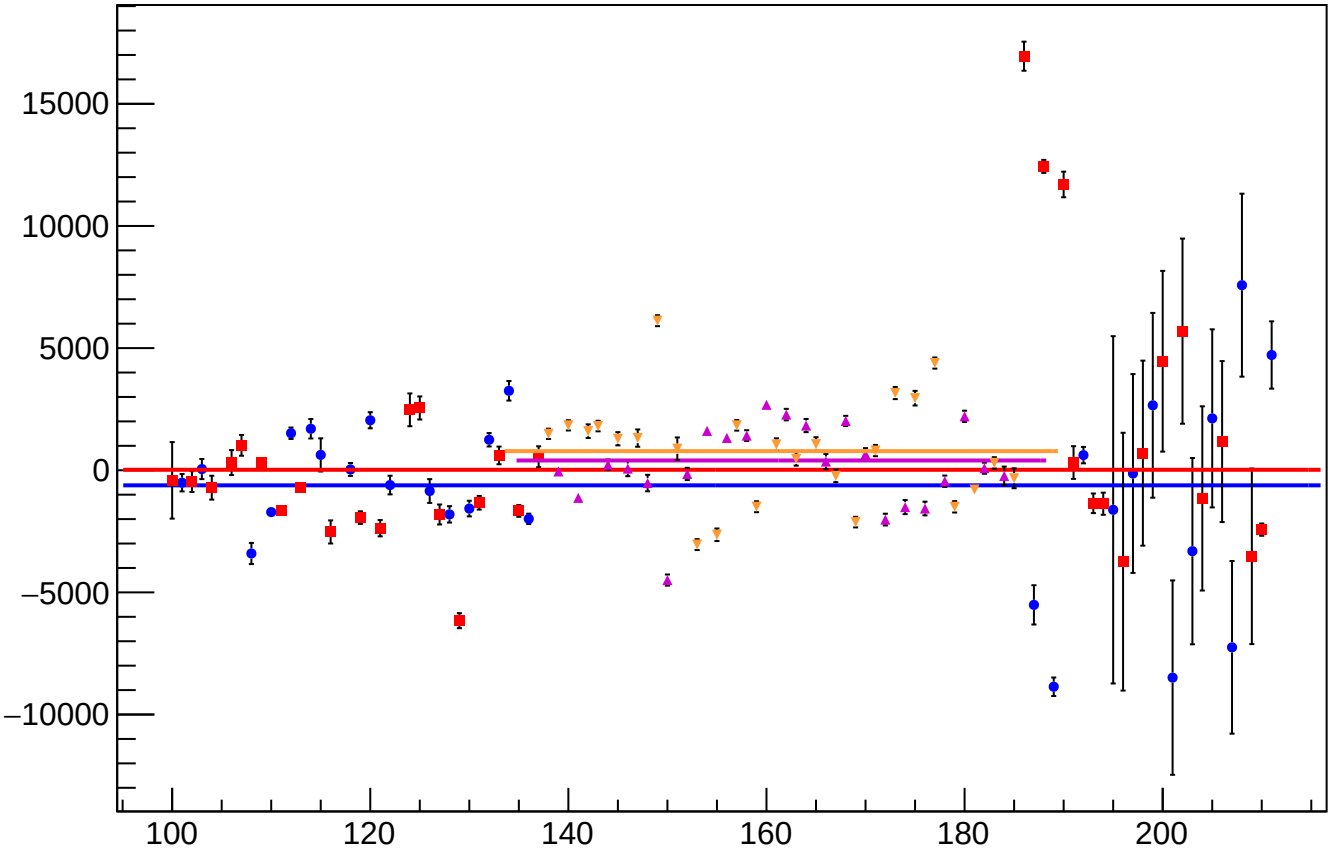
Right: 198.161+/-0.025 χ^2/NDF: 4301193.7/60

In: 200.391+/-0.025 χ^2/NDF:2684793.5/50

Out: 205.363+/-0.025 χ^2/NDF:3756548.1/57

All: 202.893+/-0.017 χ^2/NDF: 6461529.9/108

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -617.799+/-73.856 χ^2/NDF: 1021.5/27

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 18.367+/-63.290 χ^2/NDF: 4379.4/32

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

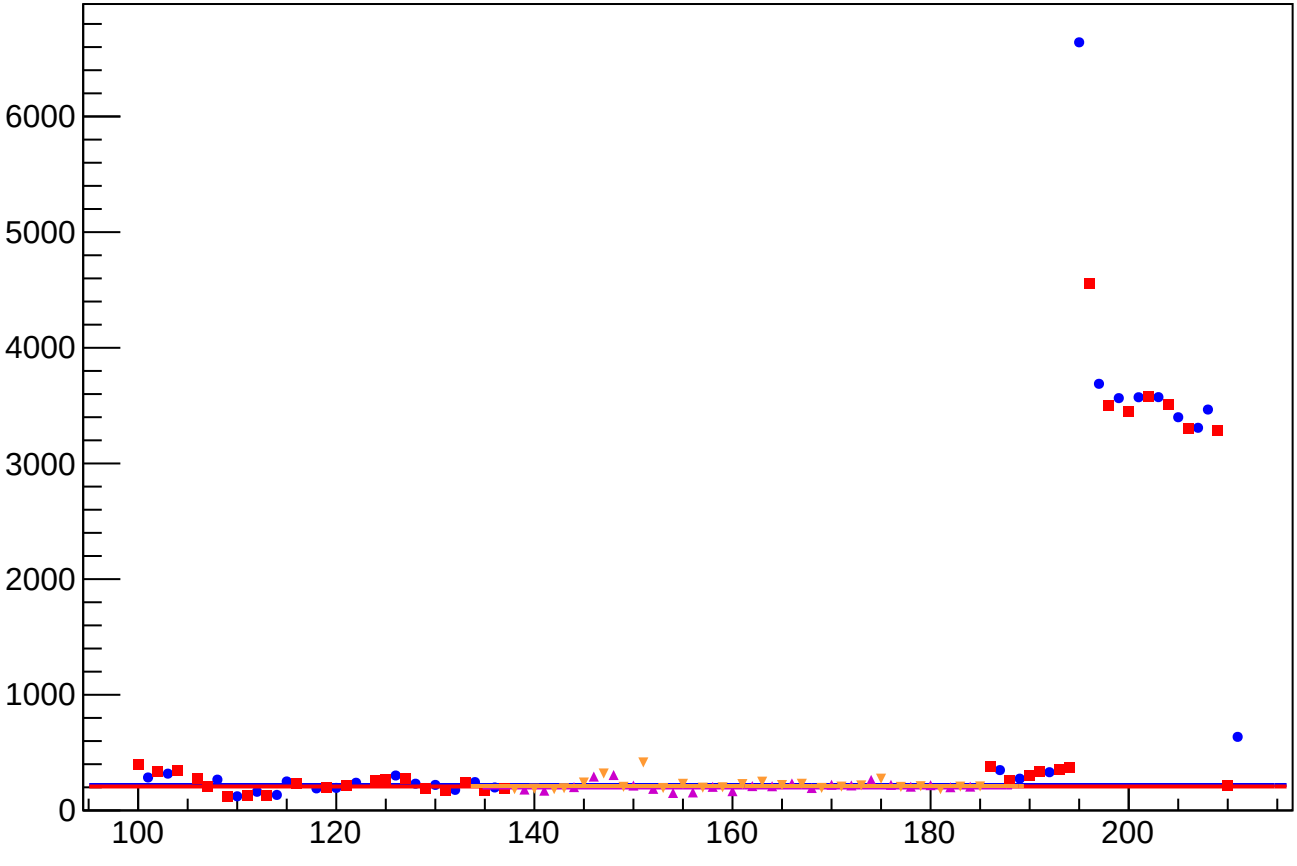
Right: -250.994+/-48.058 χ^2/NDF: 5443.7/60

In: 99.222+/-40.140 χ^2/NDF:2387.3/50

Out: 494.605+/-38.843 χ^2/NDF:6471.5/57

All: 303.402+/-27.913 χ^2/NDF: 8908.9/108

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 220.173+/-0.052 χ^2/NDF: 13720139.0/27

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 207.150+/-0.045 χ^2/NDF: 13376742.6/32

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

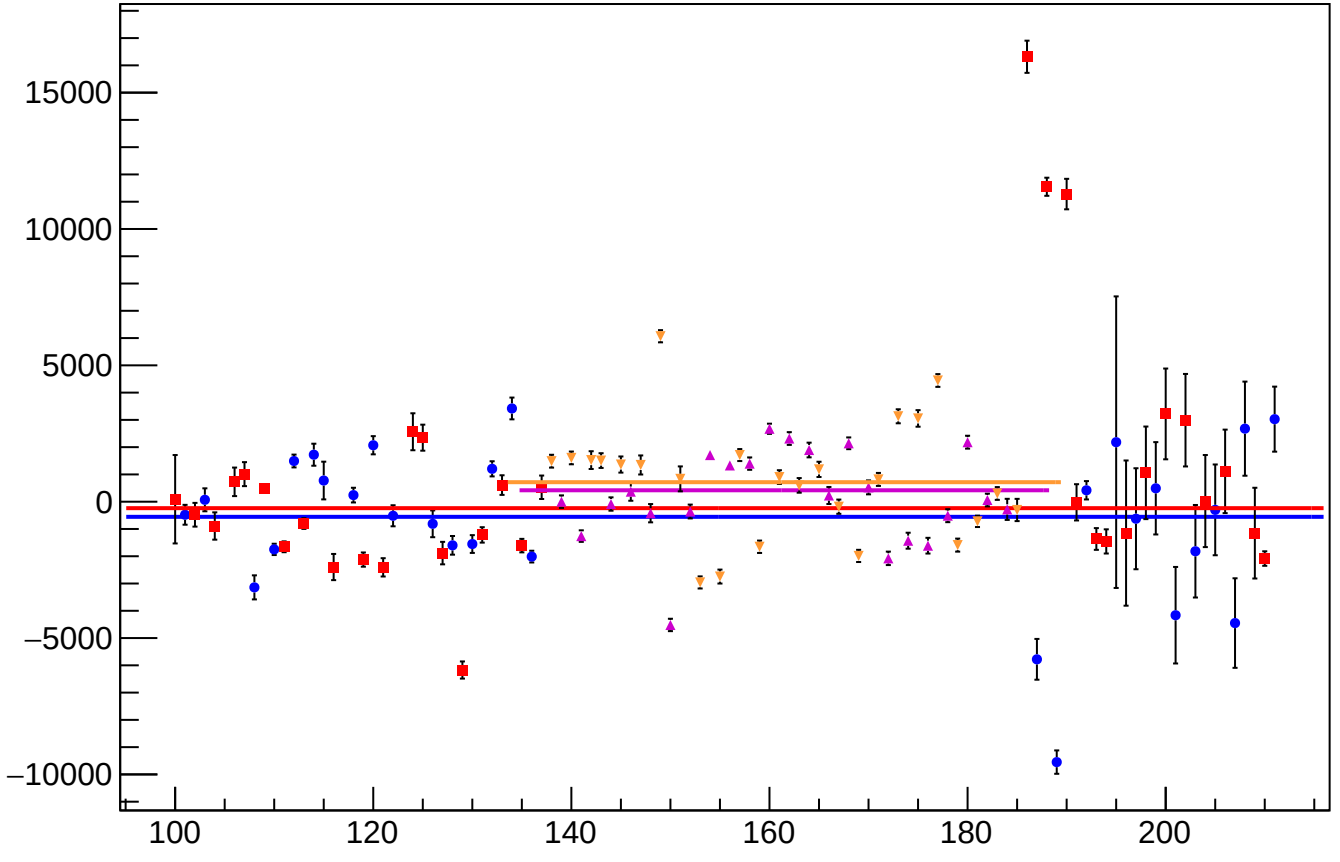
Right: 212.665+/-0.034 χ^2/NDF: 27132736.4/60

In: 204.919+/-0.028 χ^2/NDF:14847682.1/50

Out: 209.859+/-0.027 χ^2/NDF:14317597.2/57

All: 207.470+/-0.020 χ^2/NDF: 29180921.6/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -554.645+/-74.638 χ^2/NDF: 976.6/27

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -236.878+/-64.935 χ^2/NDF: 3218.9/32

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

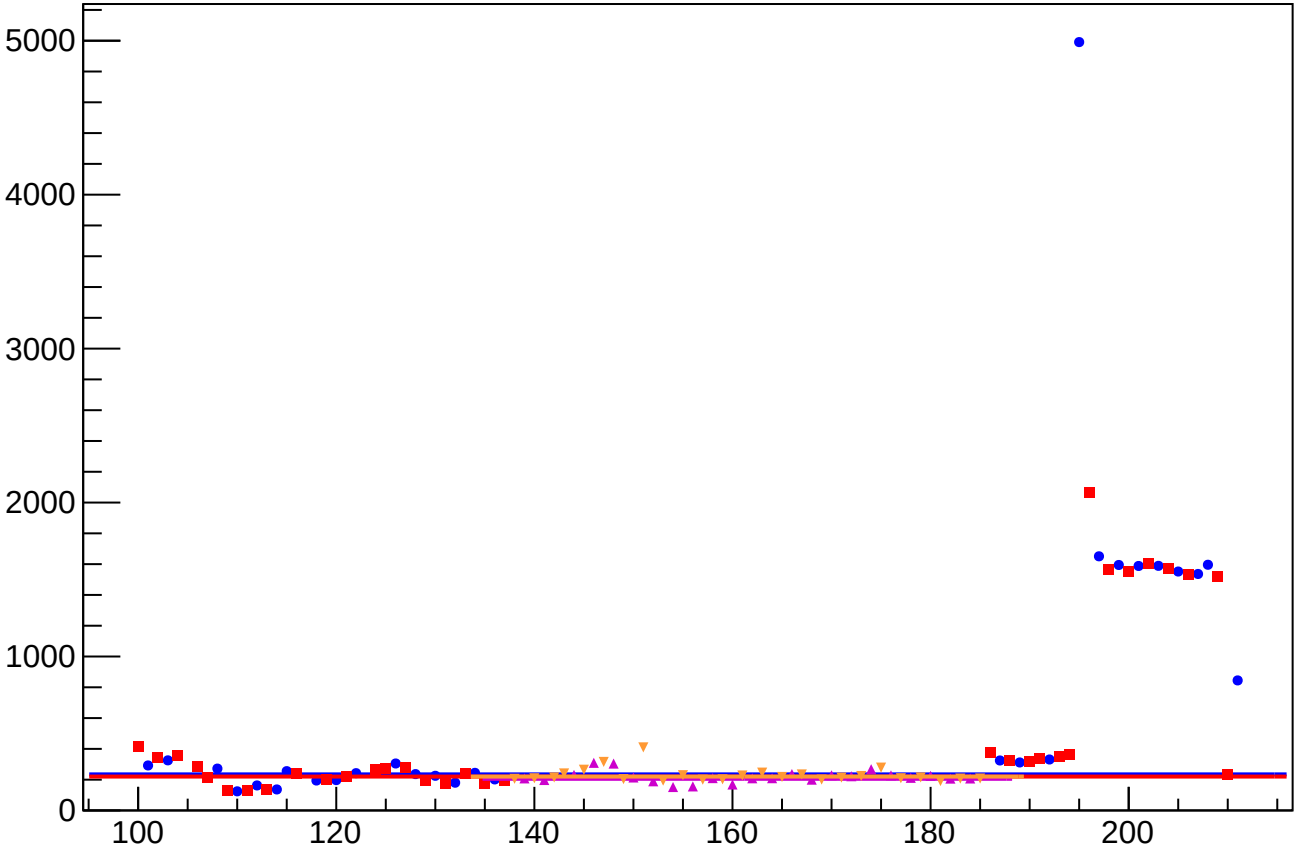
Right: -373.777+/-48.990 χ^2/NDF: 4205.8/60

In: 121.086+/-41.266 χ^2/NDF:2335.6/50

Out: 351.277+/-40.162 χ^2/NDF:5269.7/57

All: 239.302+/-28.781 χ^2/NDF: 7621.3/108

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 234.385+/-0.053 χ^2/NDF: 12297059.1/27

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 220.138+/-0.046 χ^2/NDF: 11587823.8/32

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

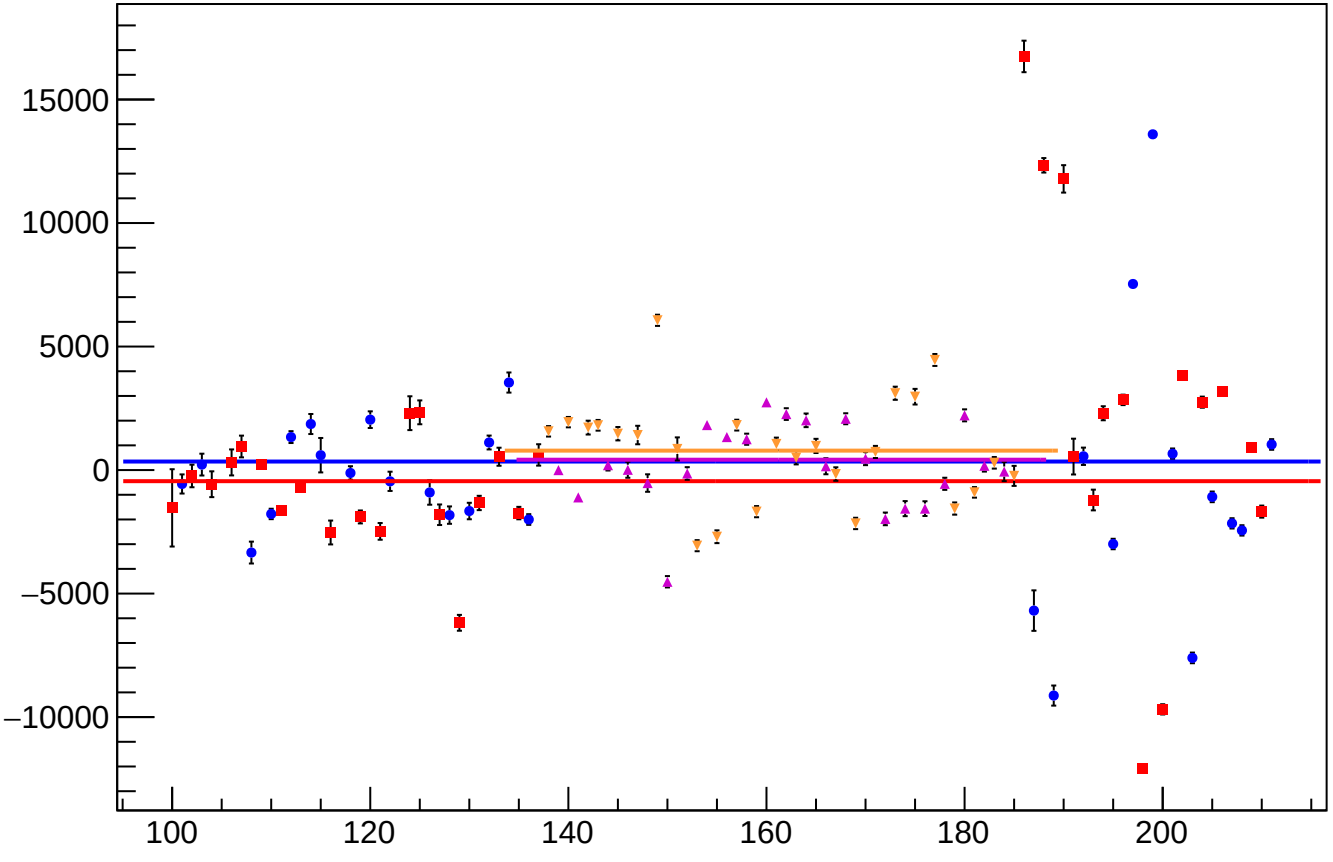
Right: 226.276+/-0.035 χ^2/NDF: 23926360.4/60

In: 214.317+/-0.029 χ^2/NDF:13519264.8/50

Out: 220.142+/-0.028 χ^2/NDF:12387523.2/57

All: 217.308+/-0.020 χ^2/NDF: 25927258.5/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 345.298+/-51.403 χ^2/NDF: 9122.2/27

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -449.790+/-49.693 χ^2/NDF: 10354.1/32

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

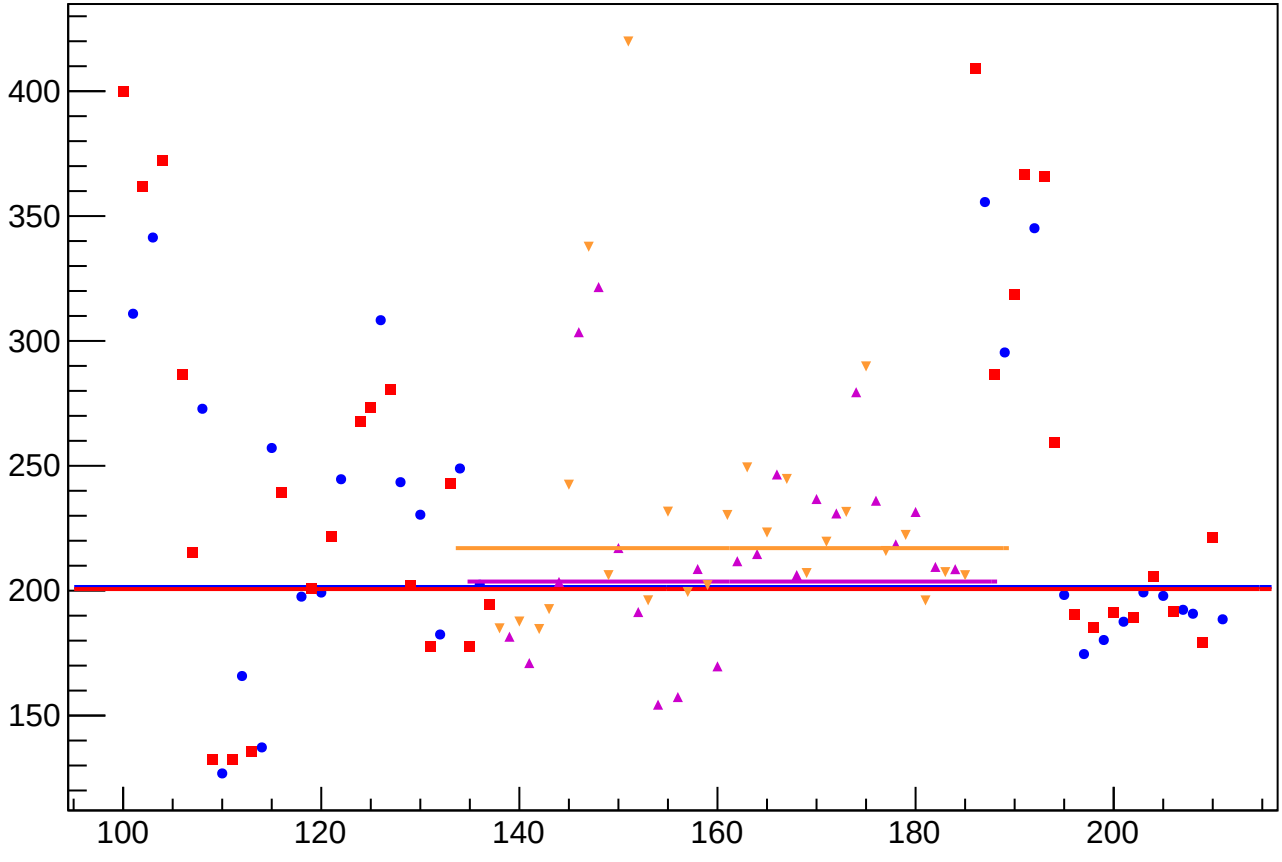
Right: -65.689+/-35.727 χ^2/NDF: 19600.0/60

In: 383.706+/-35.525 χ^2/NDF:10334.3/50

Out: 158.310+/-35.428 χ^2/NDF:12596.2/57

All: 270.702+/-25.086 χ^2/NDF: 22950.7/108

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 201.482+/-0.036 χ^2/NDF: 1567830.9/27

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 200.650+/-0.035 χ^2/NDF: 2519022.1/32

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

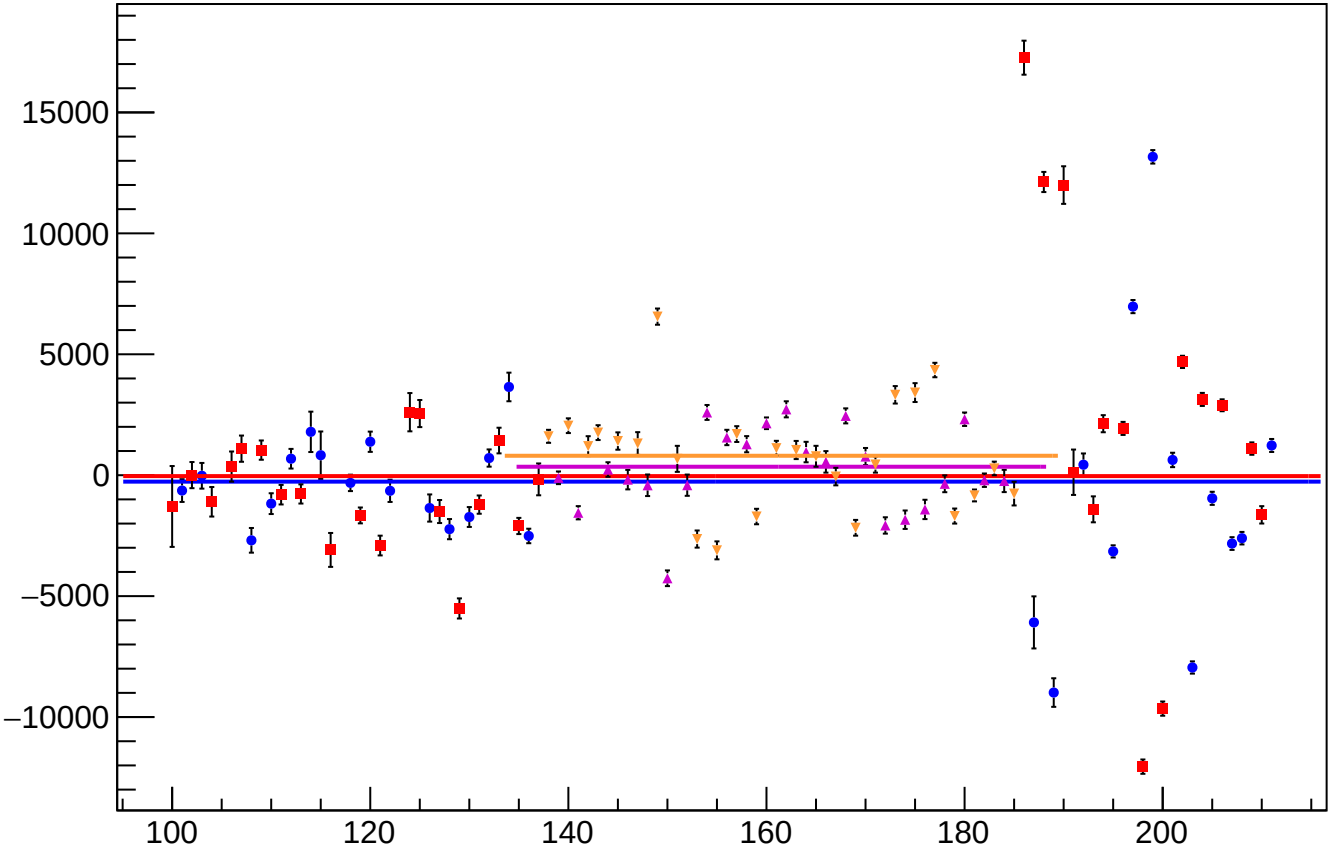
Right: 201.052+/-0.025 χ^2/NDF: 4087123.6/60

In: 202.620+/-0.025 χ^2/NDF:2735041.5/50

Out: 208.709+/-0.025 χ^2/NDF:3609169.5/57

All: 205.673+/-0.018 χ^2/NDF: 6373674.2/108

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -265.964+/-68.097 χ^2/NDF: 4750.8/27

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -37.450+/-68.534 χ^2/NDF: 5564.9/32

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

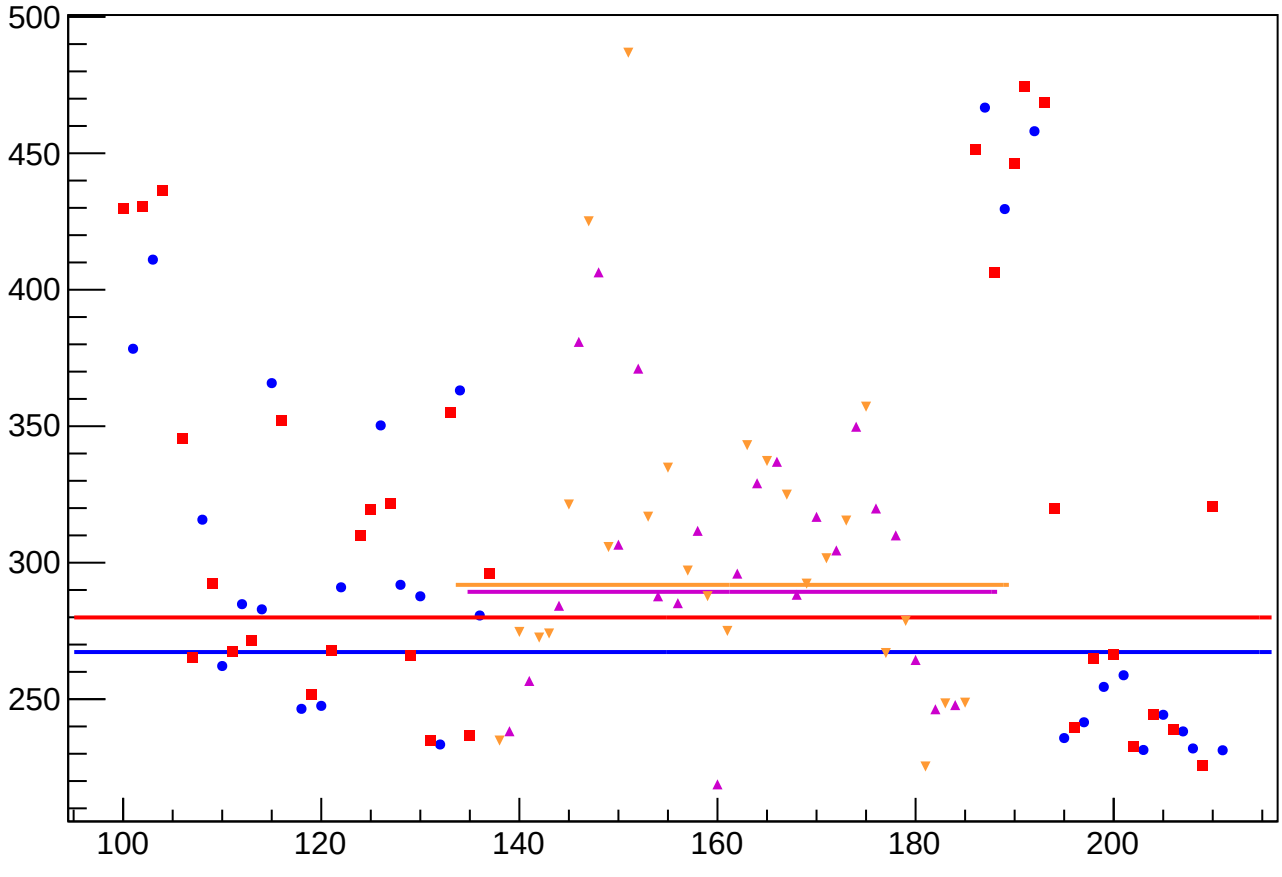
Right: -152.438+/-48.306 χ^2/NDF: 10321.2/60

In: 38.077+/-48.463 χ^2/NDF:5447.3/50

Out: 388.347+/-48.161 χ^2/NDF:6698.8/57

All: 214.306+/-34.161 χ^2/NDF: 12172.4/108

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 267.263+/-0.048 χ^2/NDF: 1210492.9/27

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 279.941+/-0.048 χ^2/NDF: 1584462.5/32

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

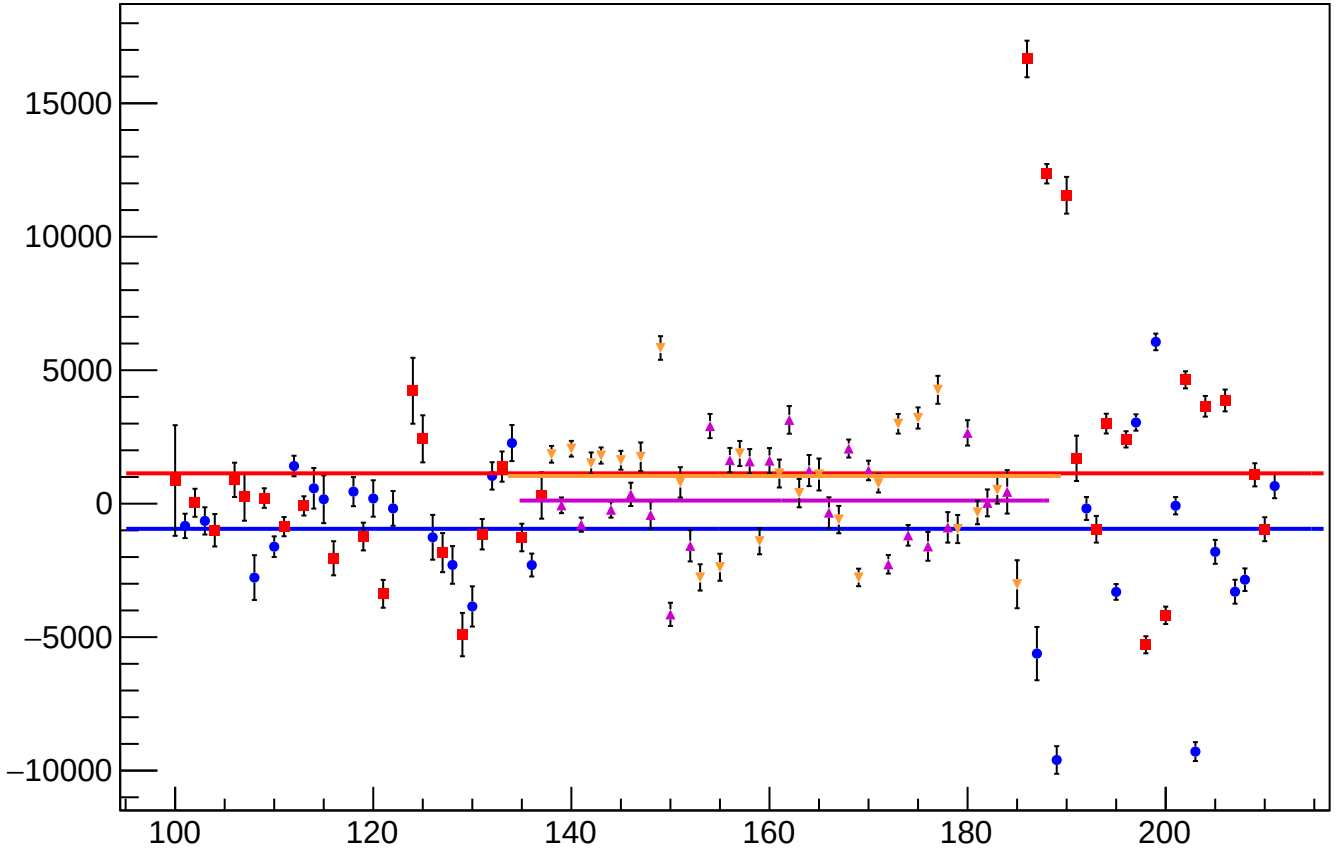
Right: 273.561+/-0.034 χ^2/NDF: 2829394.5/60

In: 278.149+/-0.034 χ^2/NDF:2122666.5/50

Out: 285.985+/-0.034 χ^2/NDF:2575118.3/57

All: 282.092+/-0.024 χ^2/NDF: 4724094.1/108

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -942.360+/-87.211 χ^2/NDF: 1800.8/27

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1136.578+/-82.572 χ^2/NDF: 2959.1/32

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

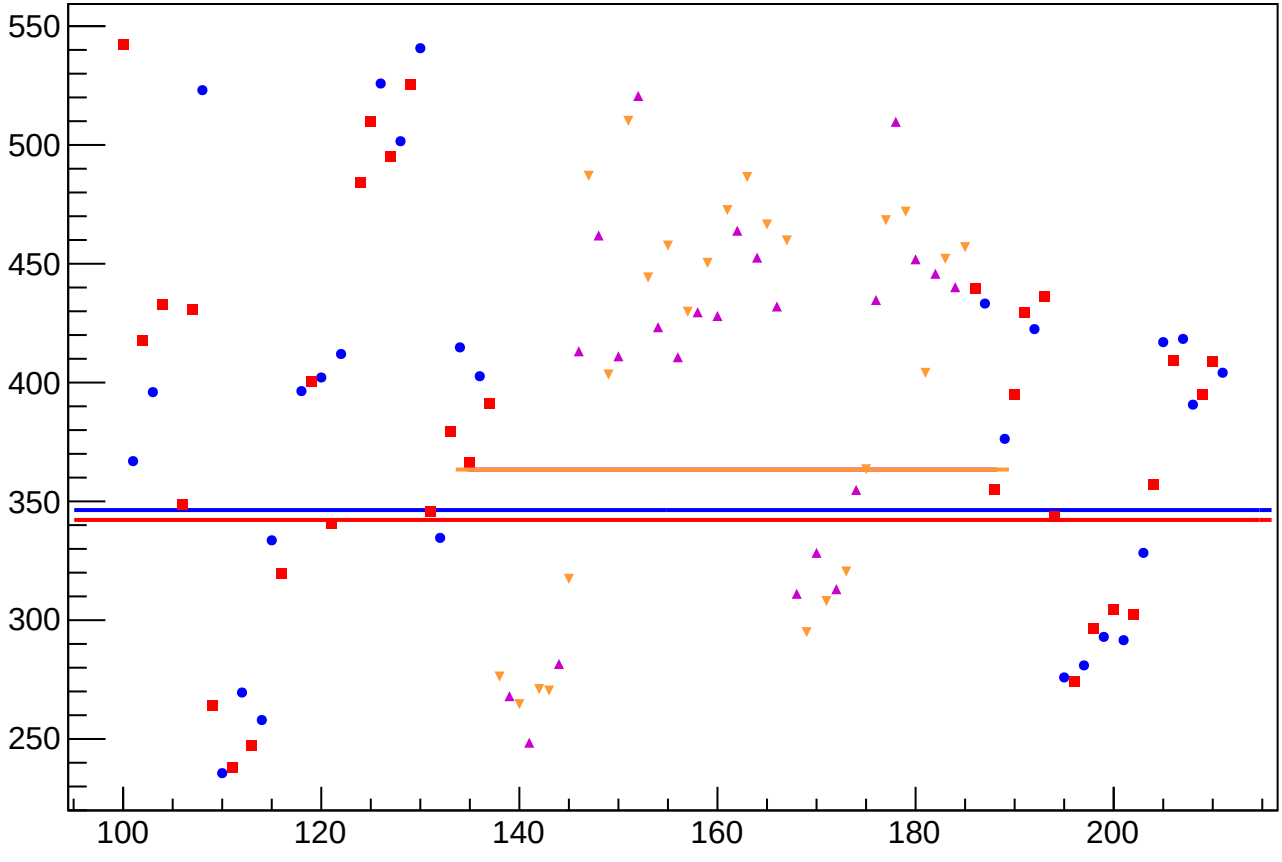
Right: 153.871+/-59.960 χ^2/NDF: 5059.6/60

In: -414.090+/-61.756 χ^2/NDF:2244.8/50

Out: 1088.508+/-59.295 χ^2/NDF:3530.0/57

All: 367.747+/-42.771 χ^2/NDF: 6082.8/108

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 346.343+/-0.062 χ^2/NDF: 1377470.4/27

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 342.186+/-0.058 χ^2/NDF: 1332001.0/32

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

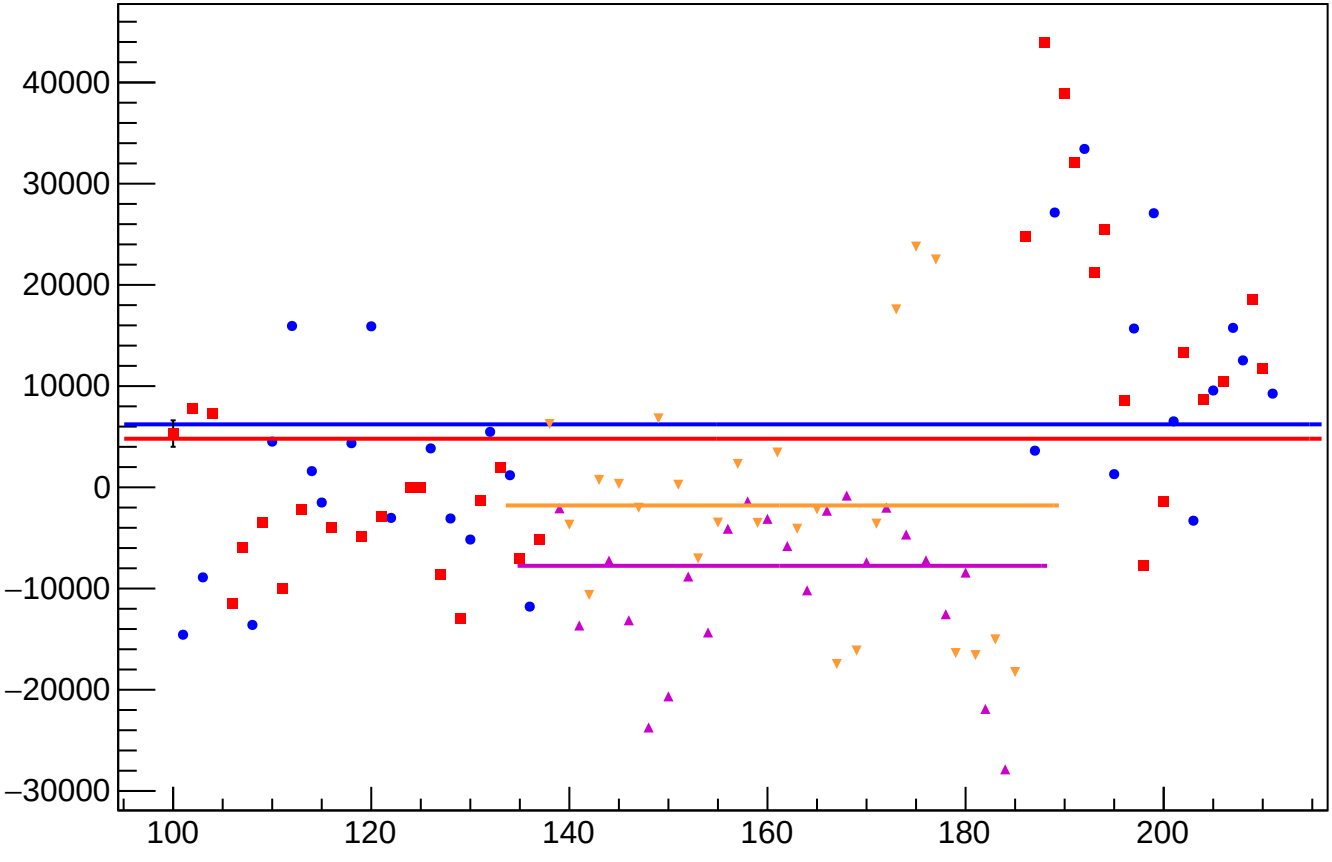
Right: 344.151+/-0.042 χ^2/NDF: 2711866.8/60

In: 354.840+/-0.044 χ^2/NDF:3127153.5/50

Out: 352.455+/-0.042 χ^2/NDF:3336357.2/57

All: 353.599+/-0.030 χ^2/NDF: 6465063.5/108

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6221.736+/-40.278 χ^2/NDF: 93750.8/27

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4800.326+/-38.239 χ^2/NDF: 143381.3/32

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

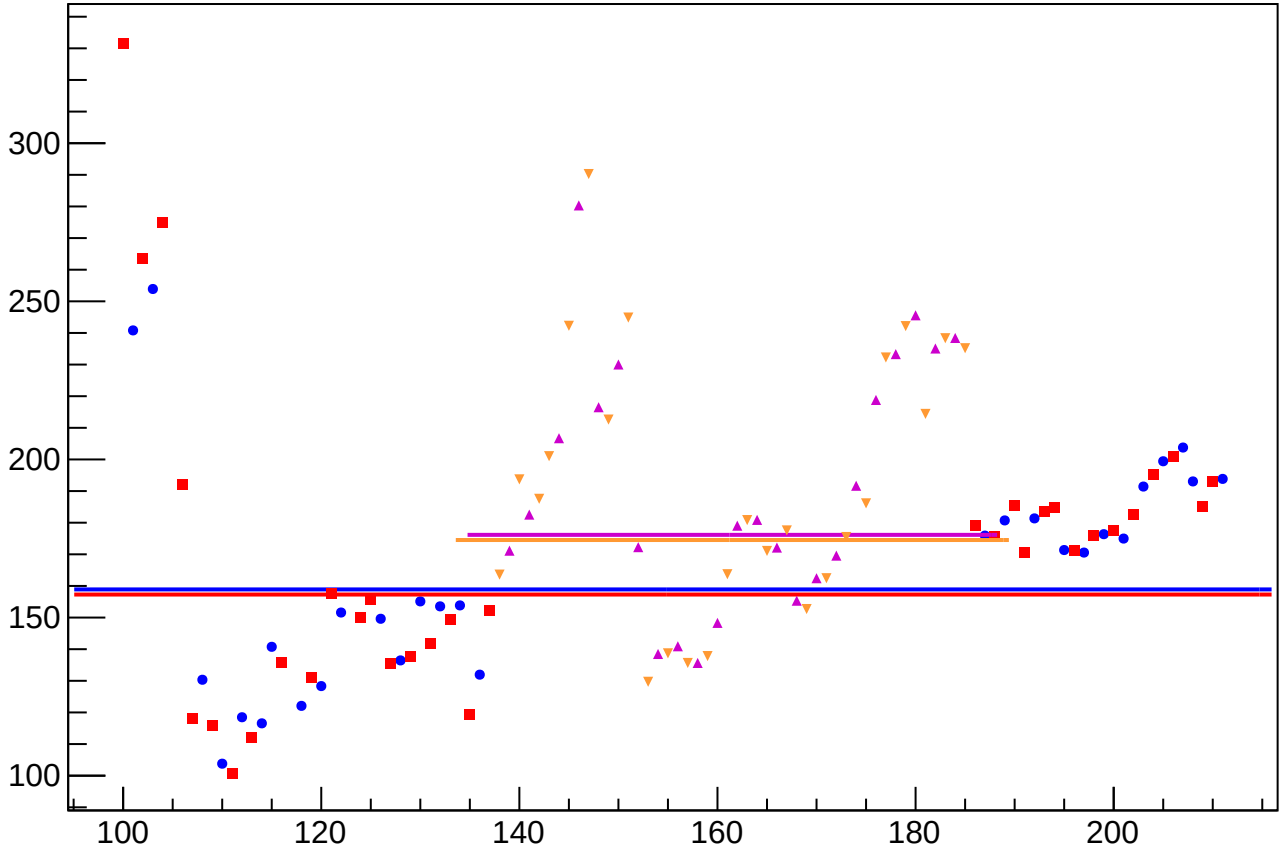
Right: 5474.151+/-27.732 χ^2/NDF: 237787.1/60

In: -379.755+/-29.258 χ^2/NDF:173901.6/50

Out: 1727.175+/-27.936 χ^2/NDF:222978.7/57

All: 722.391+/-20.205 χ^2/NDF: 399593.0/108

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 158.901+/-0.028 χ^2/NDF: 1344142.7/27

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 157.280+/-0.027 χ^2/NDF: 1712288.9/32

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

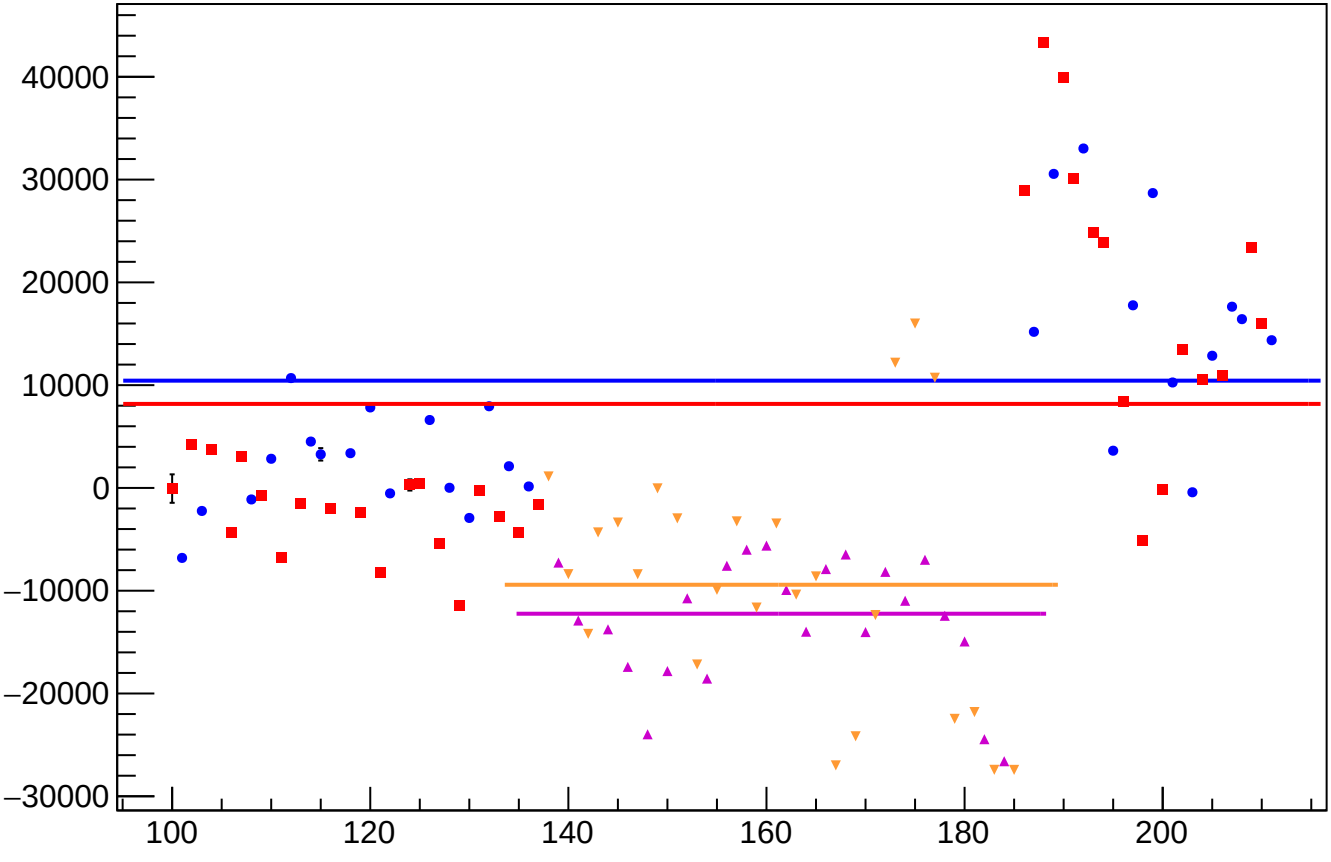
Right: 158.049+/-0.020 χ^2/NDF: 3058135.2/60

In: 167.051+/-0.021 χ^2/NDF:2884545.3/50

Out: 165.319+/-0.020 χ^2/NDF:3561327.2/57

All: 166.145+/-0.014 χ^2/NDF: 6449536.1/108

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10437.624+/-44.658 χ^2/NDF: 54209.9/27

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8175.200+/-42.178 χ^2/NDF: 114621.7/32

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

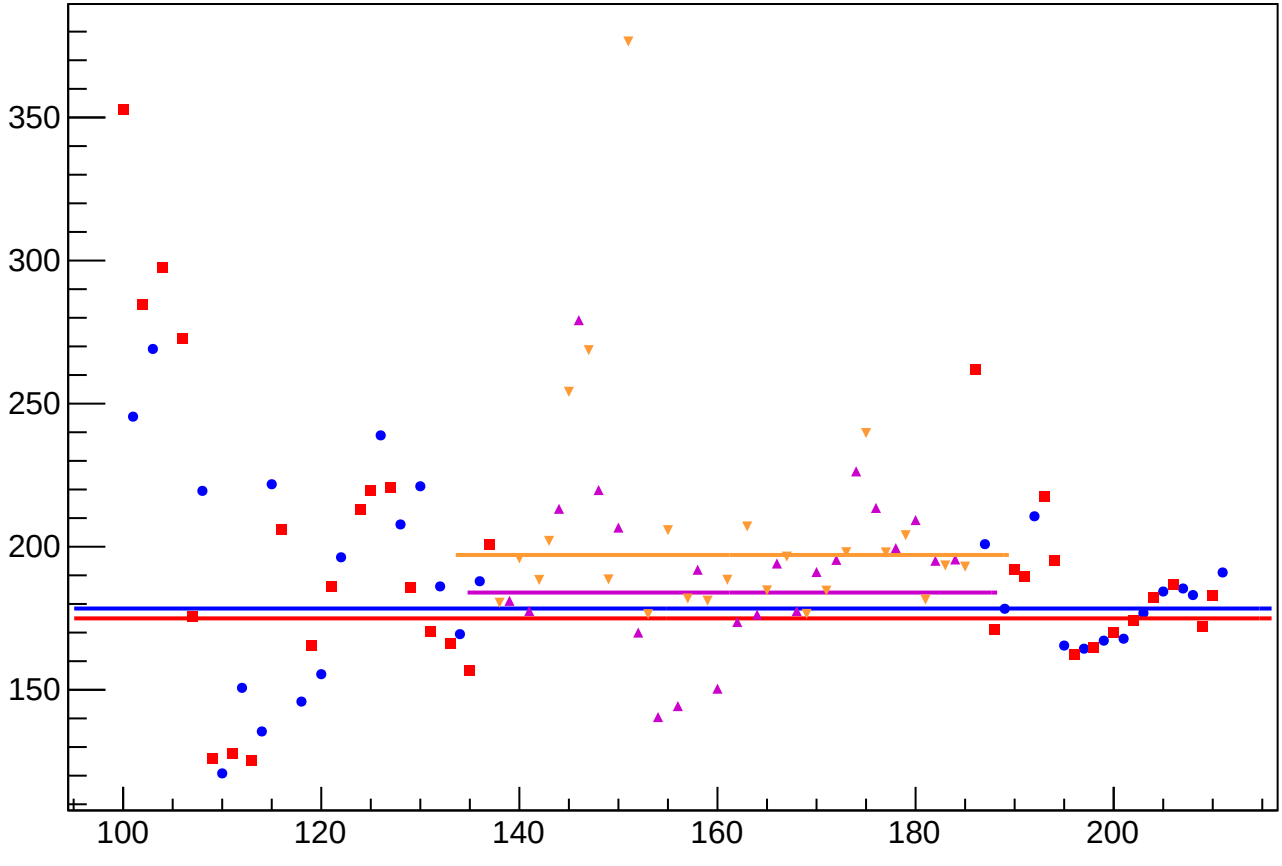
Right: 9241.847+/-30.664 χ^2/NDF: 170188.1/60

In: -1018.750+/-31.413 χ^2/NDF:200487.0/50

Out: 81.145+/-30.994 χ^2/NDF:259396.0/57

All: -461.420+/-22.063 χ^2/NDF: 460504.2/10

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.406+/-0.032 χ^2/NDF: 774400.0/27

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.958+/-0.030 χ^2/NDF: 1209840.5/32

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

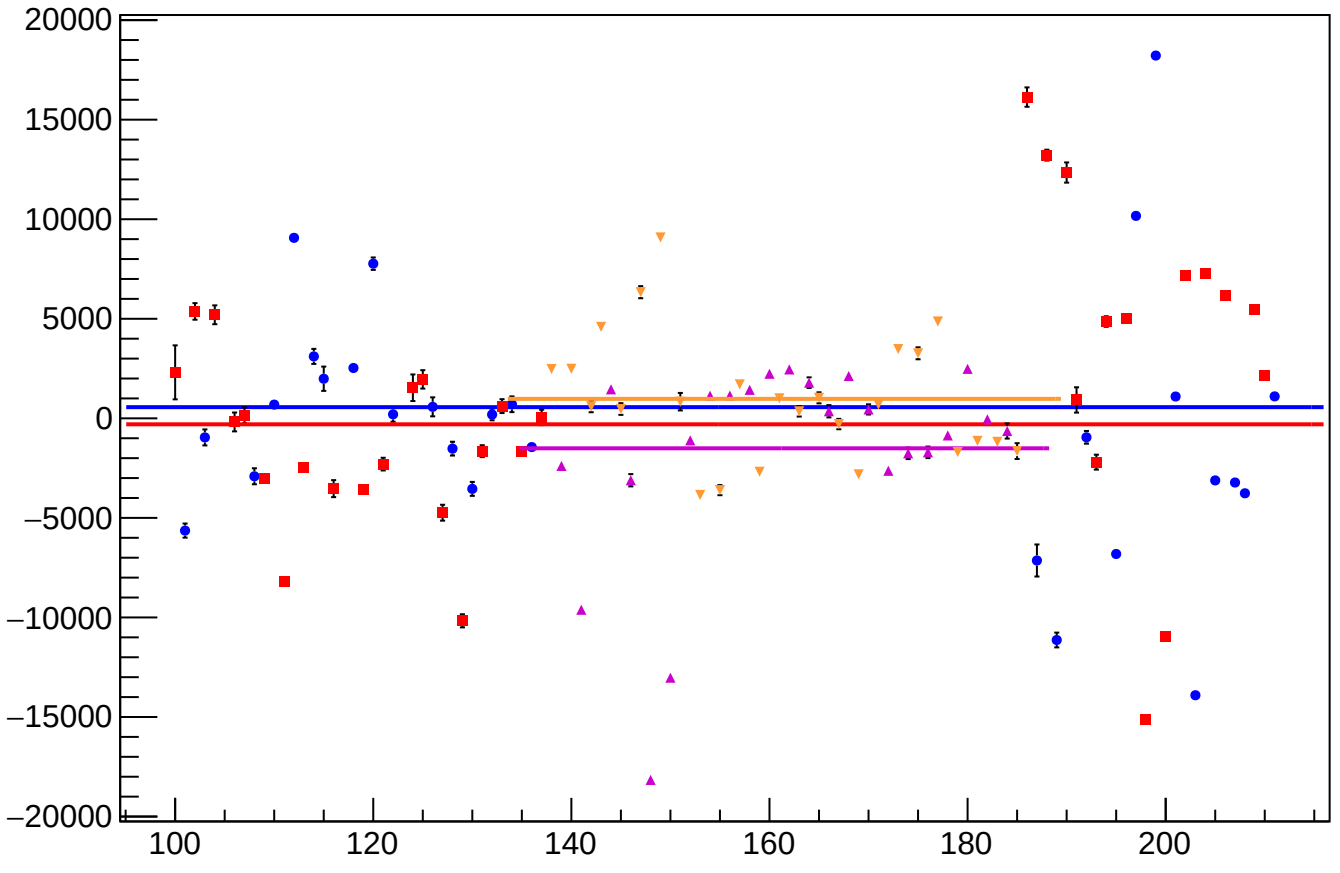
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 176.584+/-0.022 χ^2/NDF: 1990541.0/60

In: 181.225+/-0.022 χ^2/NDF:1619949.4/50

Out: 185.154+/-0.022 χ^2/NDF:2196420.6/57

All: 183.216+/-0.016 χ^2/NDF: 3832225.1/108



Right In: 561.544+/-50.175 χ^2/NDF: 21462.3/27

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -300.524+/-47.469 χ^2/NDF: 21944.7/32

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

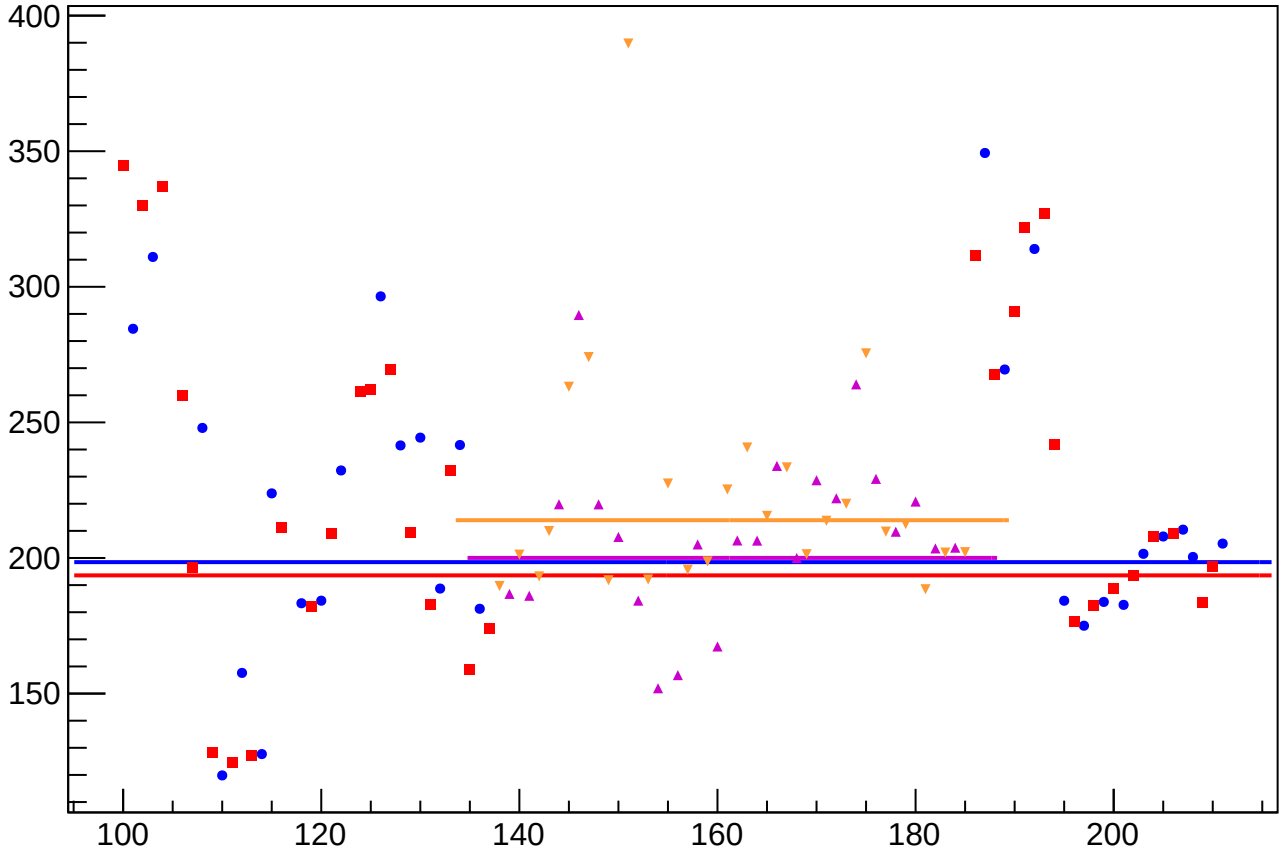
Right: 106.634+/-34.483 χ^2/NDF: 43562.8/60

In: -516.453+/-34.704 χ^2/NDF:33827.8/50

Out: 310.798+/-34.296 χ^2/NDF:26614.6/57

All: -97.944+/-24.394 χ^2/NDF: 60729.9/108

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.470+/-0.035 χ^2/NDF: 1453561.2/27

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.586+/-0.034 χ^2/NDF: 2259810.6/32

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

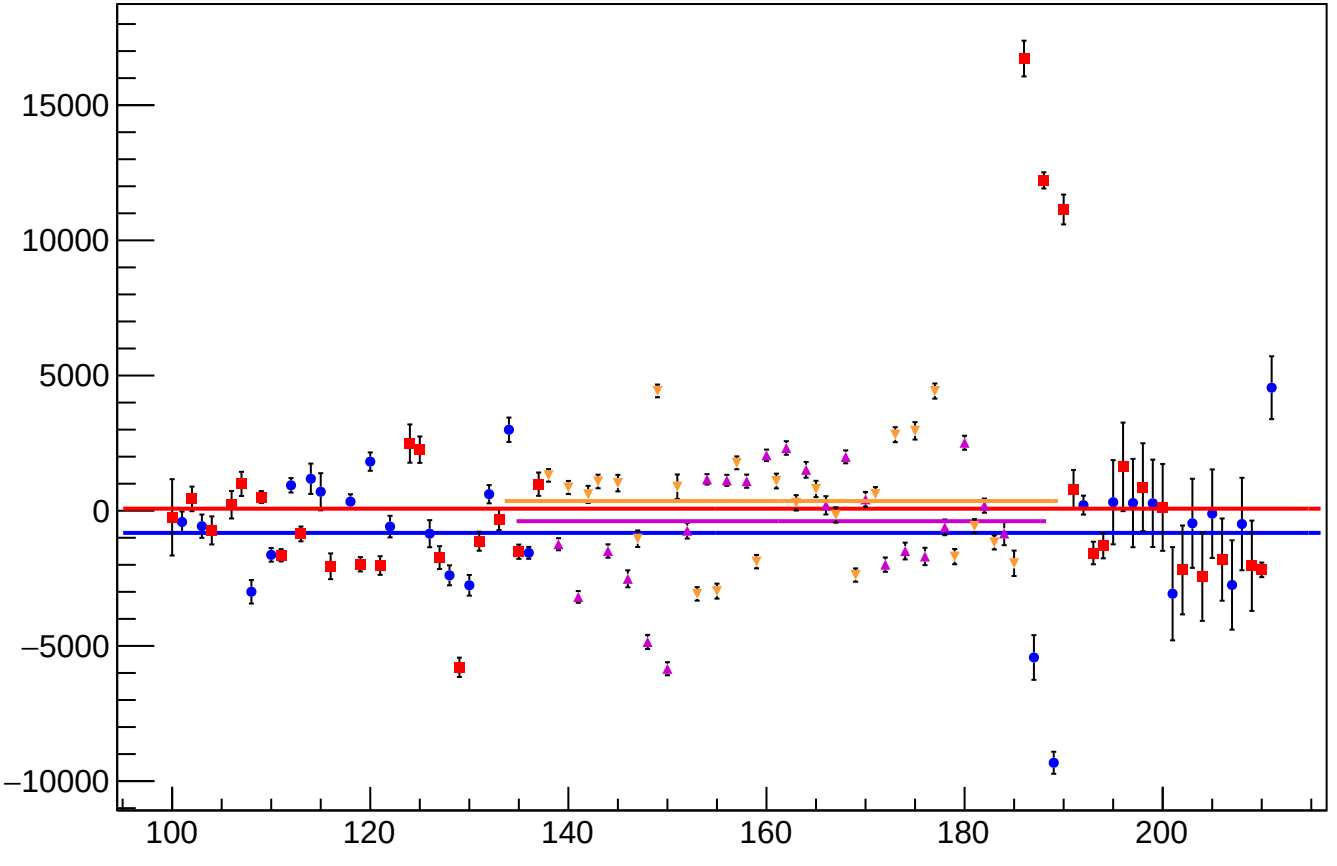
Right: 195.893+/-0.024 χ^2/NDF: 3723372.0/60

In: 199.284+/-0.025 χ^2/NDF:2240095.9/50

Out: 203.311+/-0.024 χ^2/NDF:3169062.8/57

All: 201.321+/-0.017 χ^2/NDF: 5422780.1/108

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -819.767+/-80.998 χ^2/NDF: 822.5/27

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 76.020+/-71.042 χ^2/NDF: 3353.0/32

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

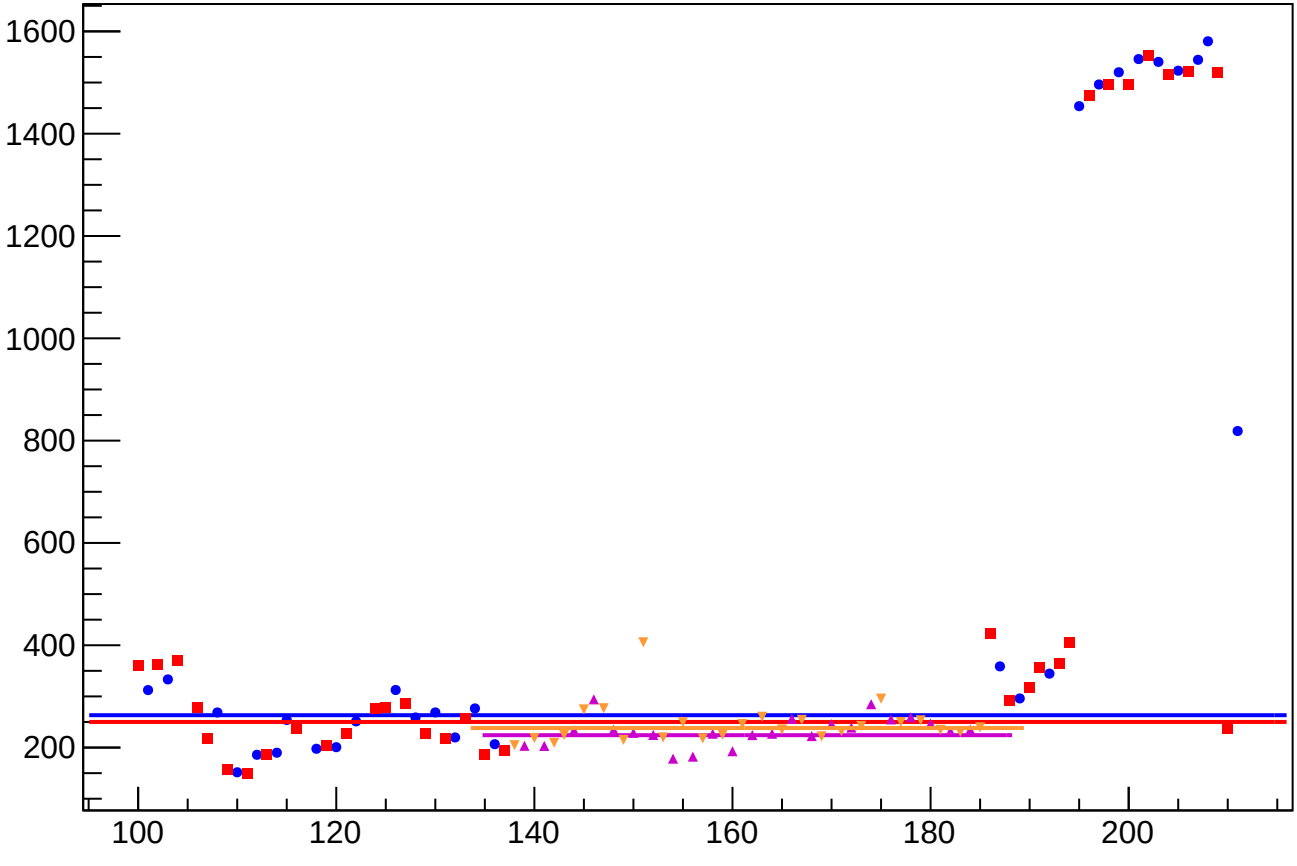
Right: -313.464+/-53.409 χ^2/NDF: 4244.7/60

In: -518.511+/-44.658 χ^2/NDF:2646.5/50

Out: 252.772+/-43.486 χ^2/NDF:4781.8/57

All: -122.617+/-31.155 χ^2/NDF: 7581.4/108

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 263.278+/-0.057 χ^2/NDF: 11052634.4/27

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 250.091+/-0.050 χ^2/NDF: 10529777.9/32

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

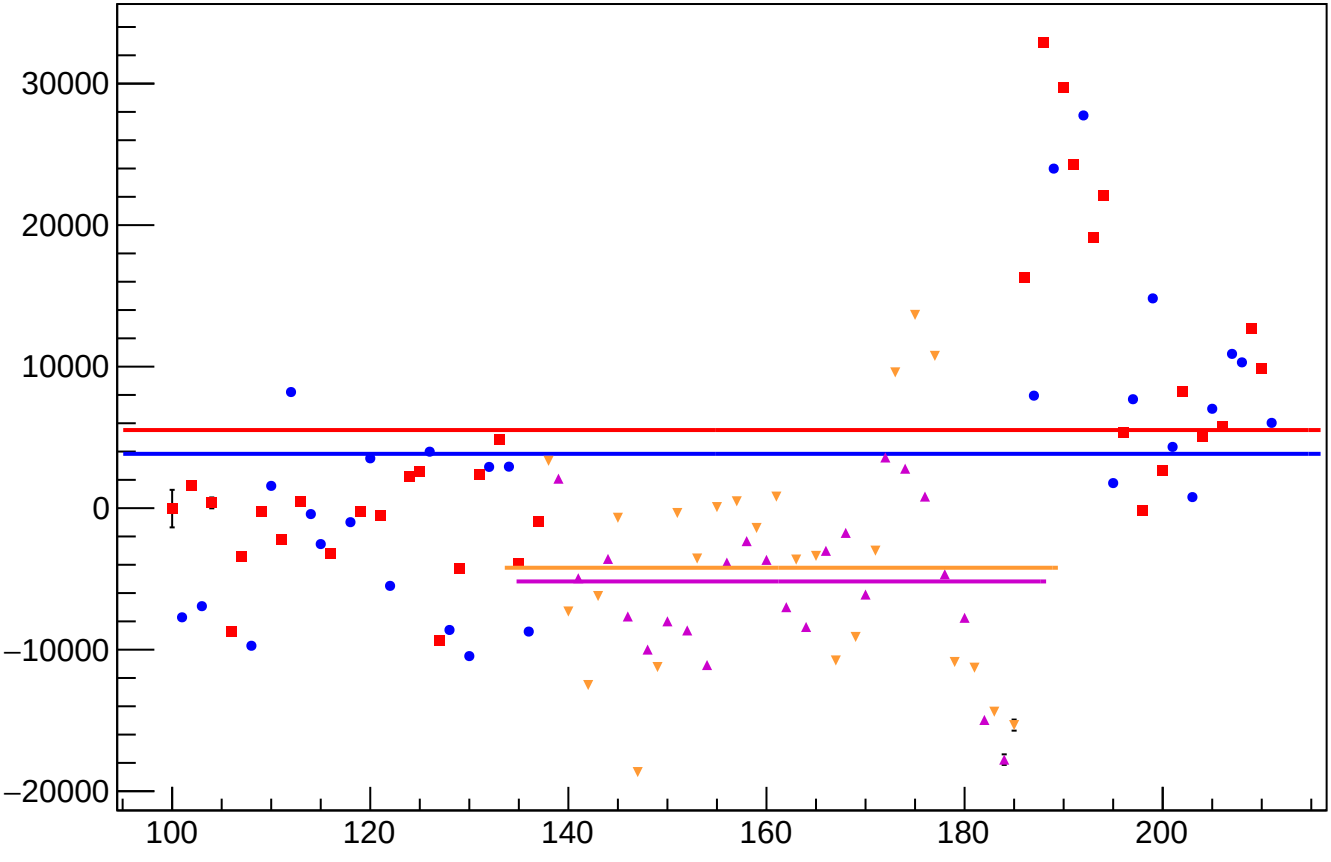
Right: 255.825+/-0.038 χ^2/NDF: 21612375.7/60

In: 236.087+/-0.032 χ^2/NDF:11939691.7/50

Out: 242.655+/-0.031 χ^2/NDF:11132756.8/57

All: 239.458+/-0.022 χ^2/NDF: 23094652.4/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3838.879+/-34.192 χ^2/NDF: 79516.3/27

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5519.790+/-32.287 χ^2/NDF: 105304.6/32

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

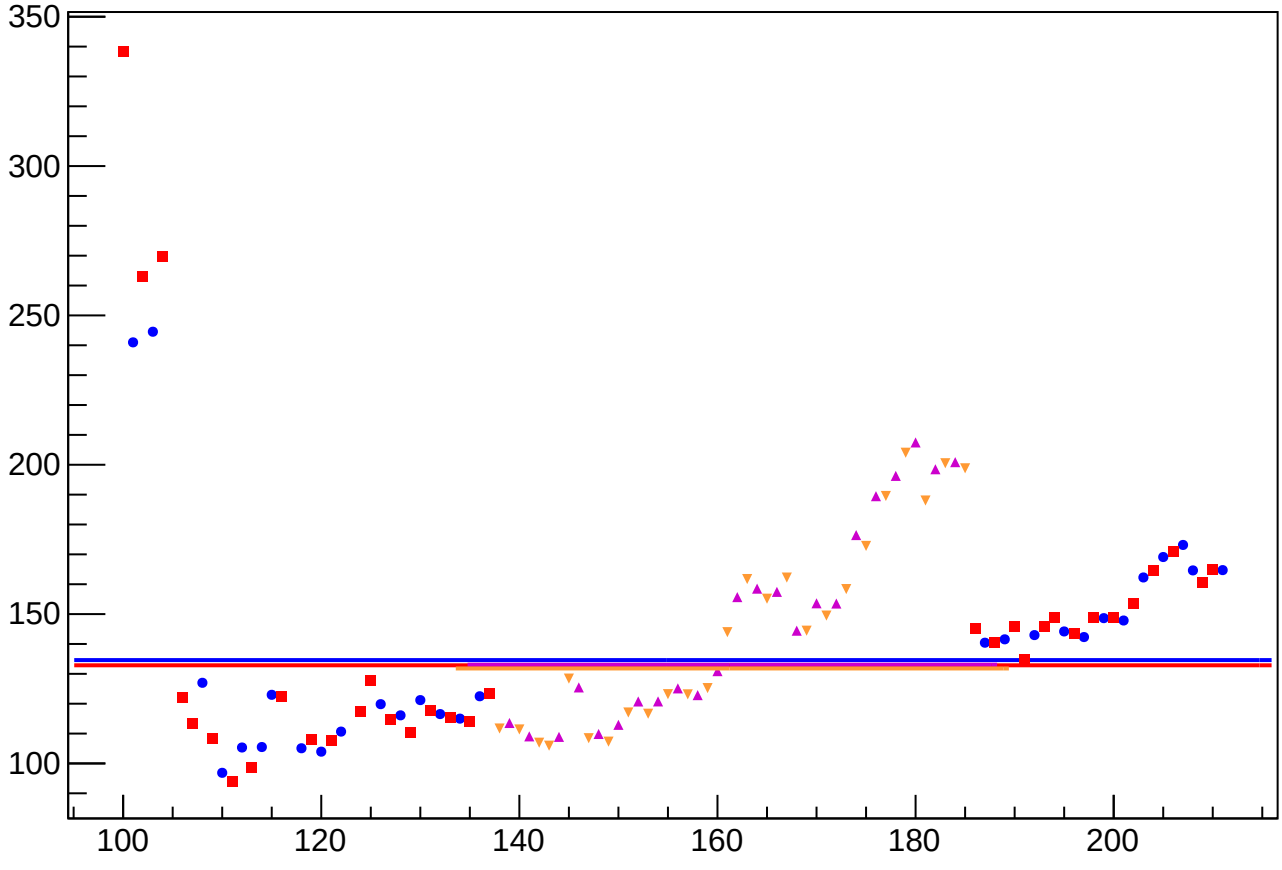
Right: 4727.469+/-23.475 χ^2/NDF: 186098.5/60

In: -972.229+/-23.352 χ^2/NDF:135165.5/50

Out: 429.889+/-22.297 χ^2/NDF:209618.5/57

All: -238.773+/-16.126 χ^2/NDF: 346669.9/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 134.602+/-0.024 χ^2/NDF: 1340187.5/27

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 132.859+/-0.023 χ^2/NDF: 1566001.7/32

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

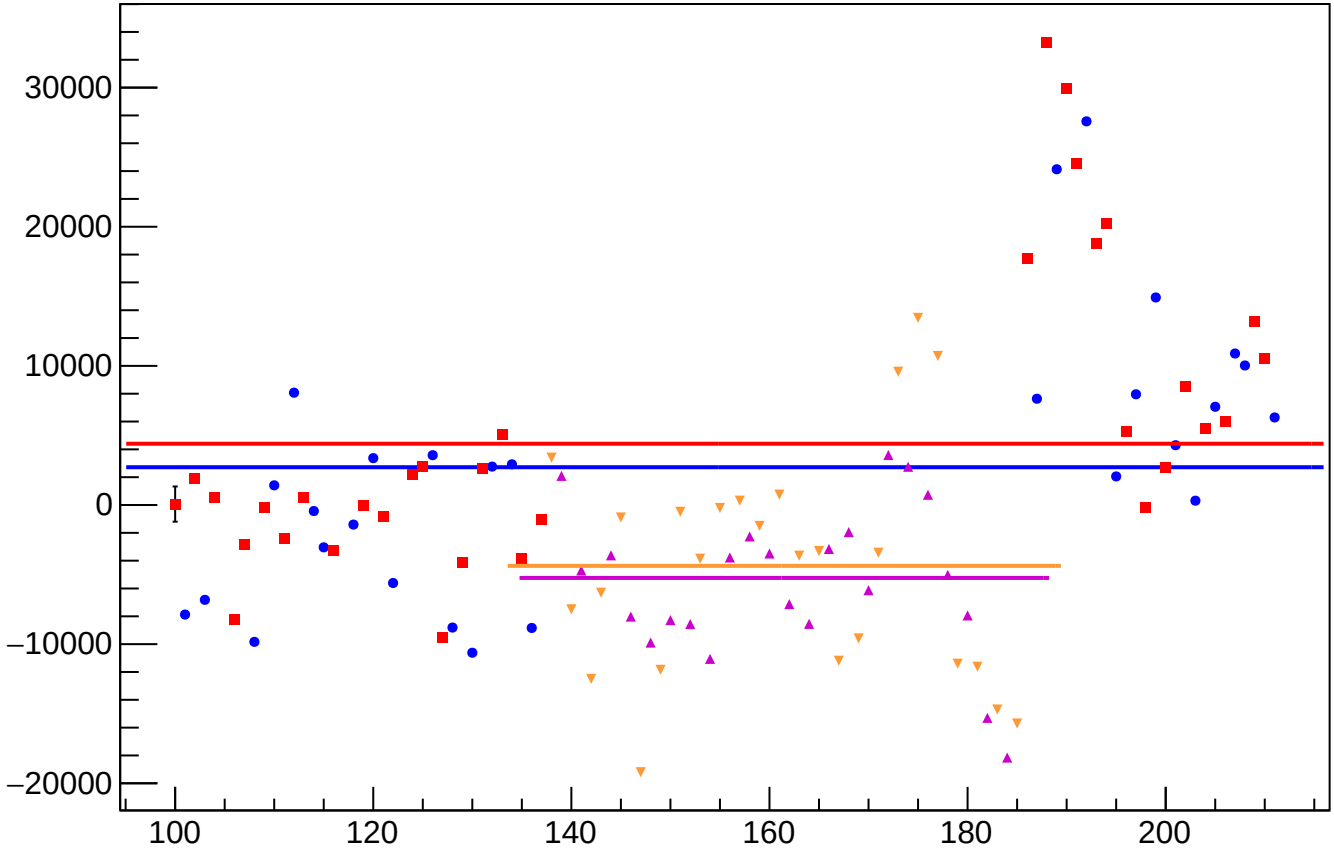
Right: 133.681+/-0.017 χ^2/NDF: 2908936.0/60

In: 133.780+/-0.017 χ^2/NDF:2760606.6/50

Out: 132.304+/-0.016 χ^2/NDF:3111473.3/57

All: 133.008+/-0.011 χ^2/NDF: 5876260.1/108

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2716.044+/-30.772 χ^2/NDF: 88950.9/27

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4405.089+/-29.222 χ^2/NDF: 115134.1/32

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

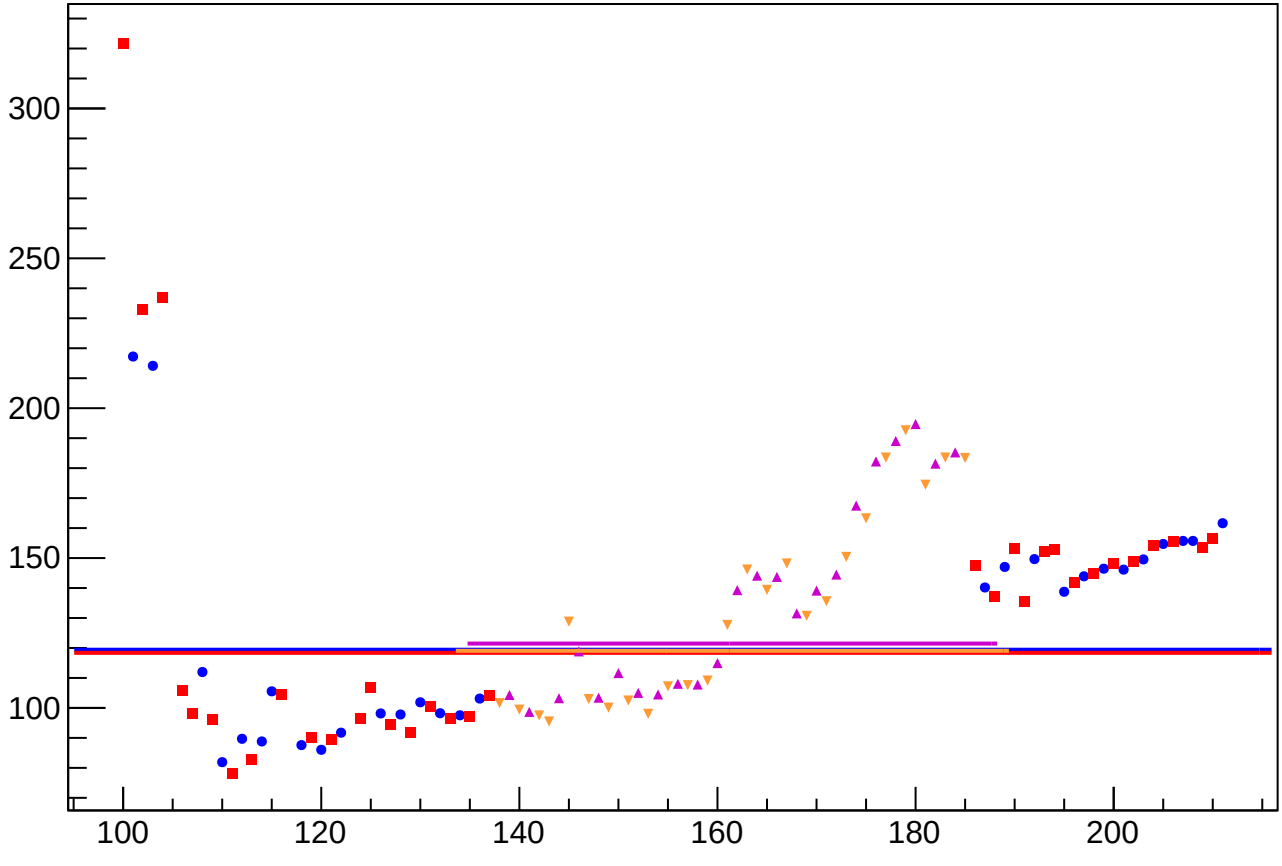
Right: 3604.159+/-21.190 χ^2/NDF: 205669.1/60

In: -1463.244+/-21.201 χ^2/NDF:146338.0/50

Out: -178.268+/-20.200 χ^2/NDF:229465.3/57

All: -789.718+/-14.625 χ^2/NDF: 377728.8/10

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 119.419+/-0.022 χ^2/NDF: 2079389.2/27

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 118.381+/-0.021 χ^2/NDF: 2456924.0/32

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

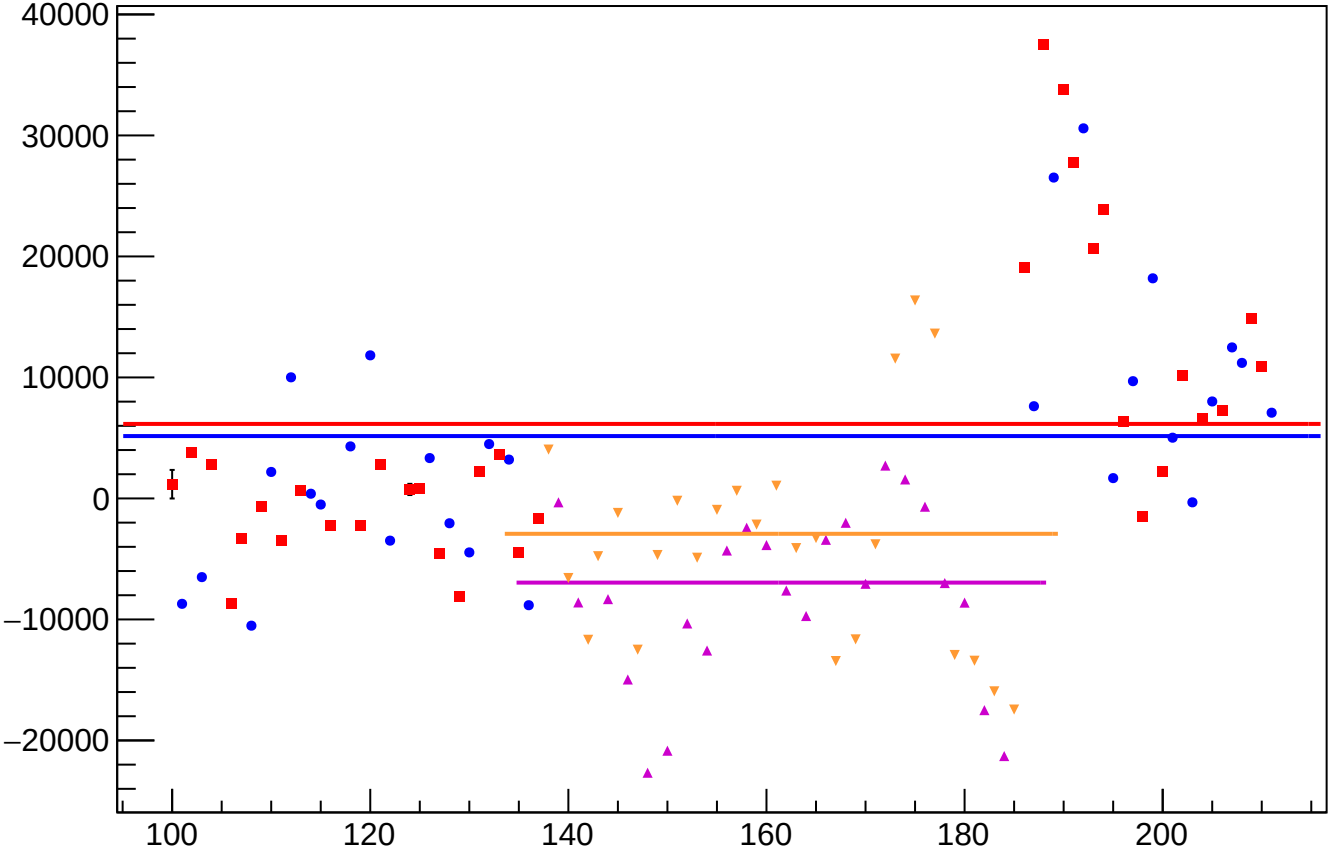
Right: 118.873+/-0.015 χ^2/NDF: 4537508.3/60

In: 120.495+/-0.015 χ^2/NDF:3613427.8/50

Out: 118.738+/-0.014 χ^2/NDF:4212922.5/57

All: 119.574+/-0.010 χ^2/NDF: 7833552.2/108

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5153.996+/-40.386 χ^2/NDF: 63326.9/27

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6157.649+/-38.396 χ^2/NDF: 94708.0/32

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

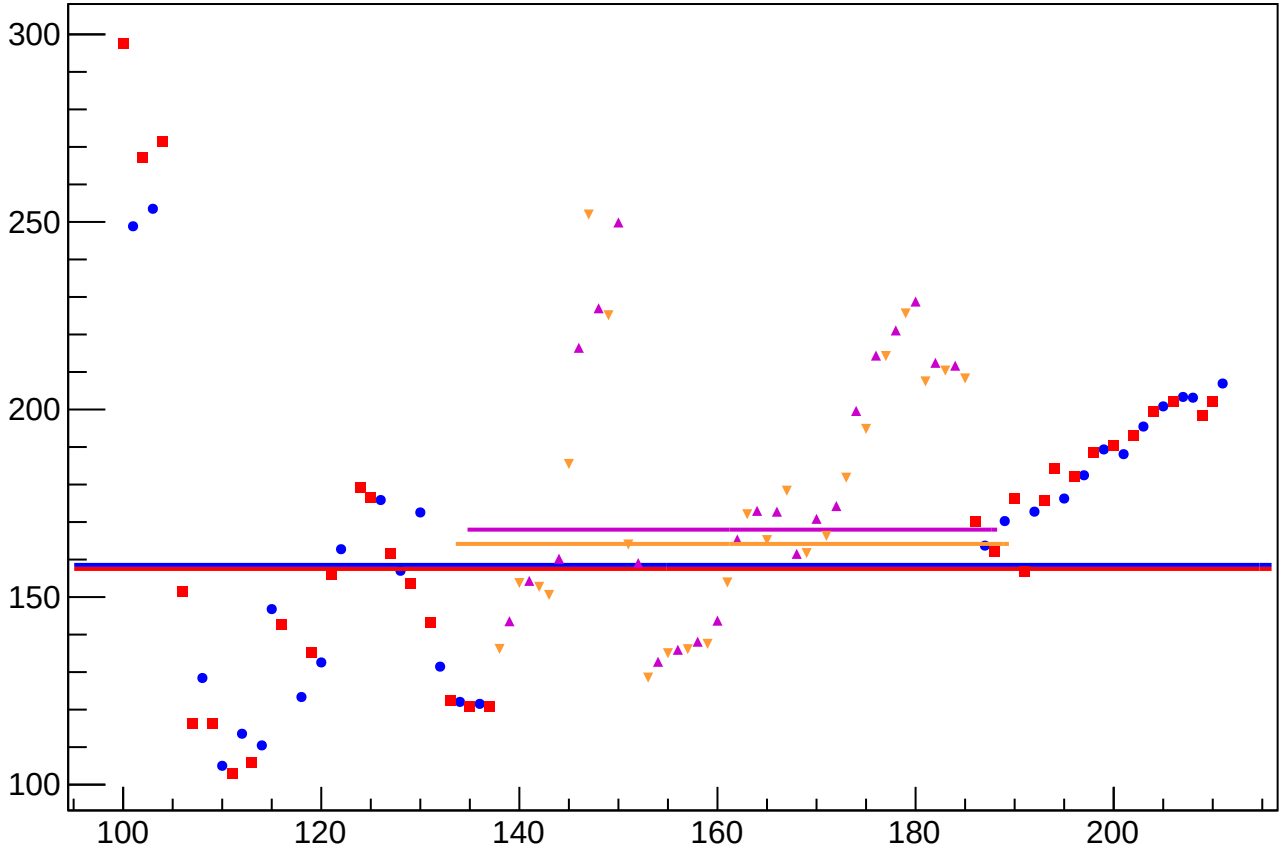
Right: 5681.148+/-27.827 χ^2/NDF: 158359.4/60

In: -922.563+/-28.507 χ^2/NDF:130787.1/50

Out: 1592.214+/-27.075 χ^2/NDF:160880.8/57

All: 399.565+/-19.632 χ^2/NDF: 295759.2/108

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 158.581+/-0.029 χ^2/NDF: 1686075.1/27

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 157.499+/-0.027 χ^2/NDF: 1891945.7/32

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

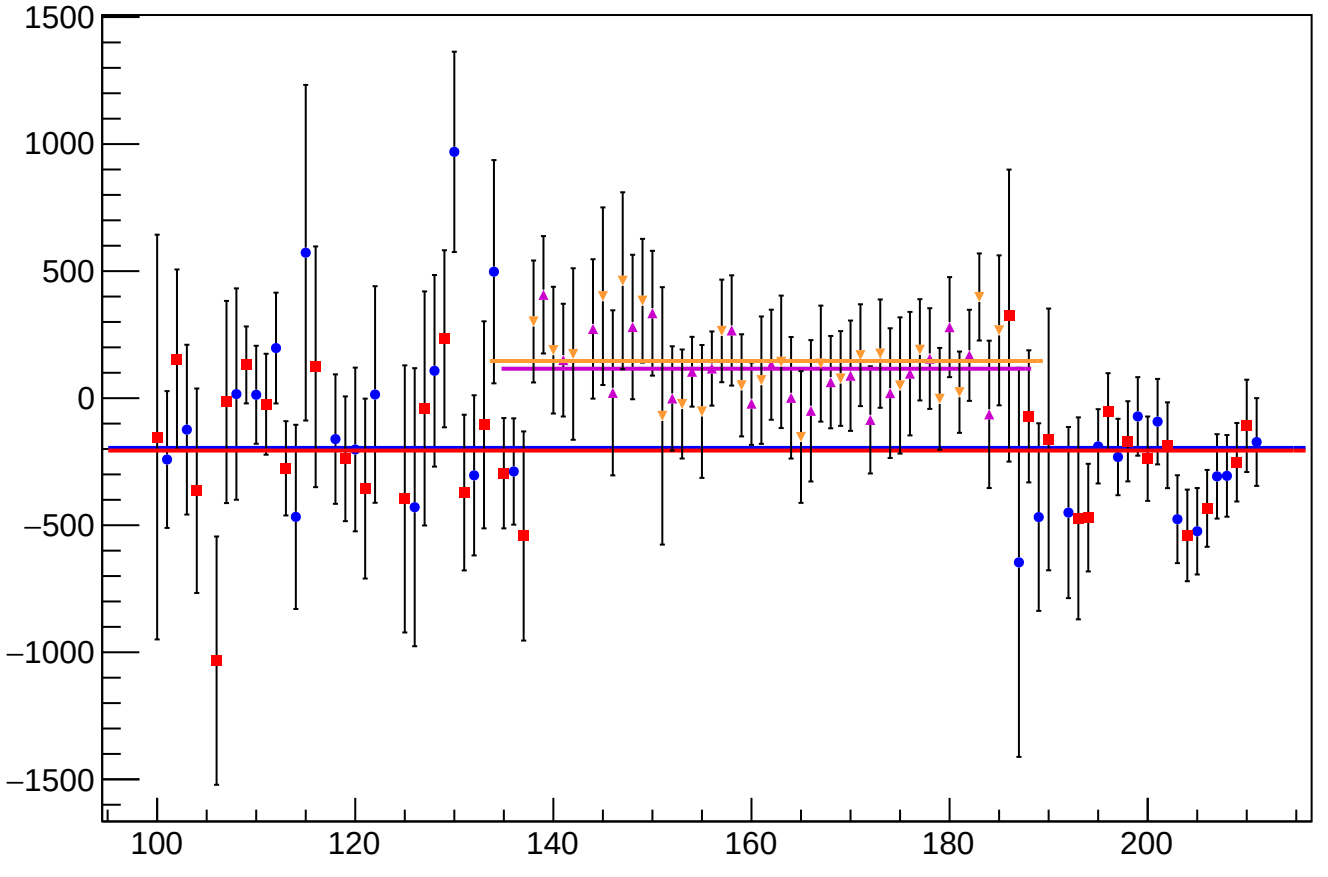
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 158.012+/-0.020 χ^2/NDF: 3578774.9/60

In: 163.294+/-0.020 χ^2/NDF:2963119.1/50

Out: 160.854+/-0.019 χ^2/NDF:3146727.0/57

All: 162.011+/-0.014 χ^2/NDF: 6117551.8/108



Right In: -195.734+/-43.255 χ^2/NDF: 29.1/27

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -206.061+/-42.063 χ^2/NDF: 24.2/30

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

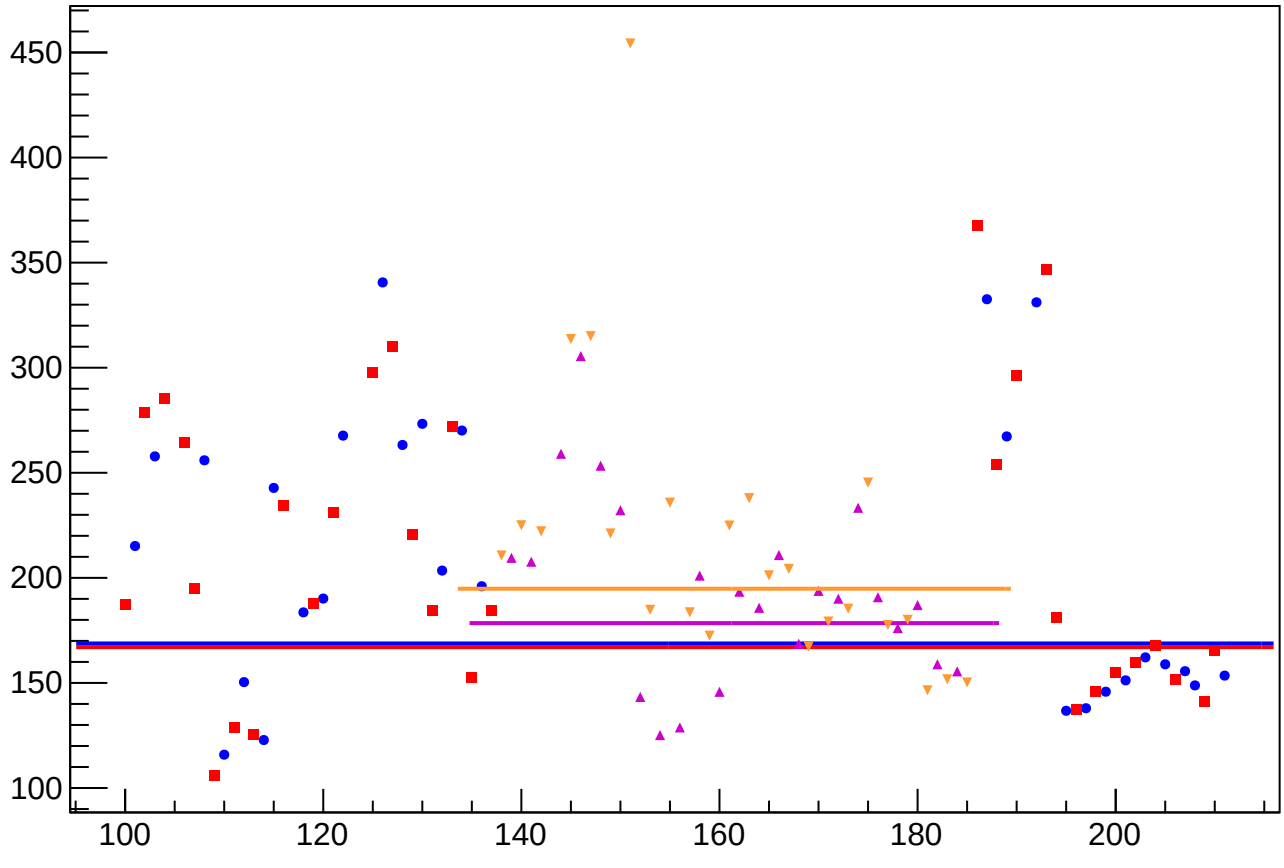
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -201.042+/-30.156 χ^2/NDF: 53.4/58

In: -41.134+/-30.709 χ^2/NDF:62.5/50

Out: -49.068+/-31.322 χ^2/NDF:65.5/54

All: -45.022+/-21.928 χ^2/NDF: 128.0/105



Right In: 168.781+/-0.031 χ^2/NDF: 2276046.1/27

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 167.031+/-0.030 χ^2/NDF: 2812181.4/30

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

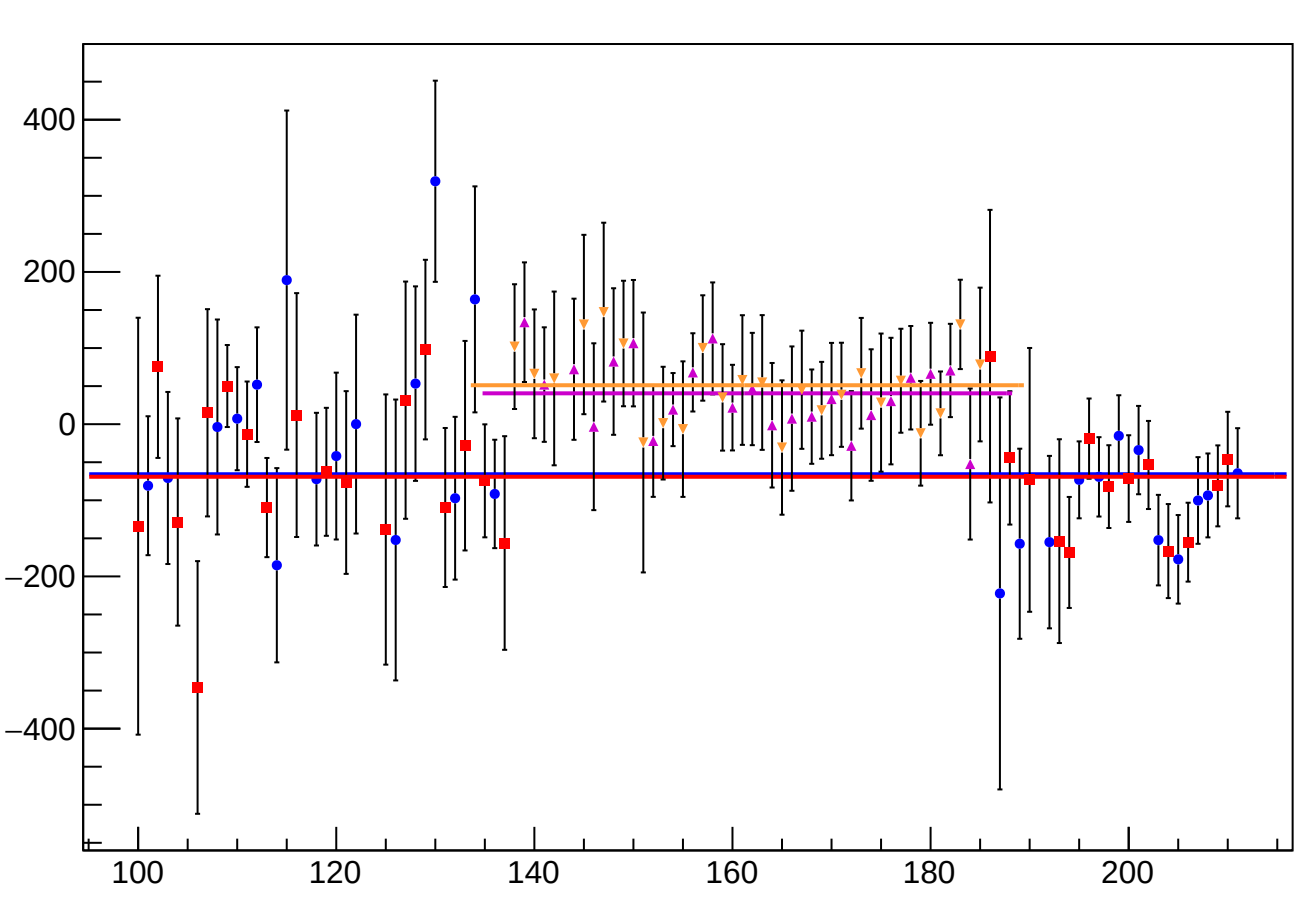
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 167.881+/-0.021 χ^2/NDF: 5089908.9/58

In: 173.589+/-0.022 χ^2/NDF:4002141.8/50

Out: 179.414+/-0.022 χ^2/NDF:4953760.6/54

All: 176.444+/-0.016 χ^2/NDF: 8991175.4/105



Right In: -65.782+/-14.856 χ^2/NDF: 27.6/27

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -69.080+/-14.472 χ^2/NDF: 23.8/30

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

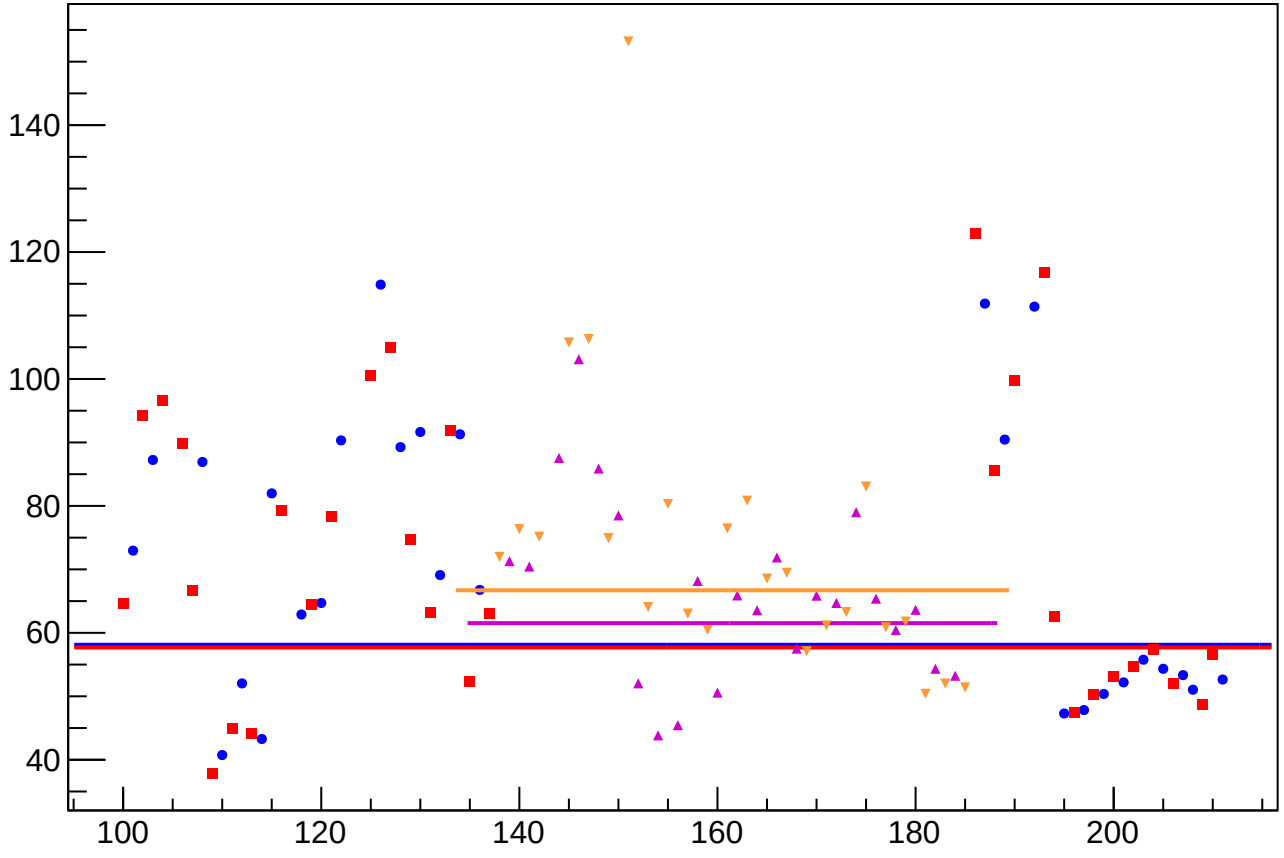
Right: -67.474+/-10.366 χ^2/NDF: 51.4/58

In: -13.056+/-10.547 χ^2/NDF:60.9/50

Out: -15.109+/-10.744 χ^2/NDF:62.9/54

All: -14.063+/-7.527 χ^2/NDF: 123.8/105

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 58.116+/-0.011 χ^2/NDF: 2136227.8/27

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.689+/-0.010 χ^2/NDF: 2617108.8/30

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

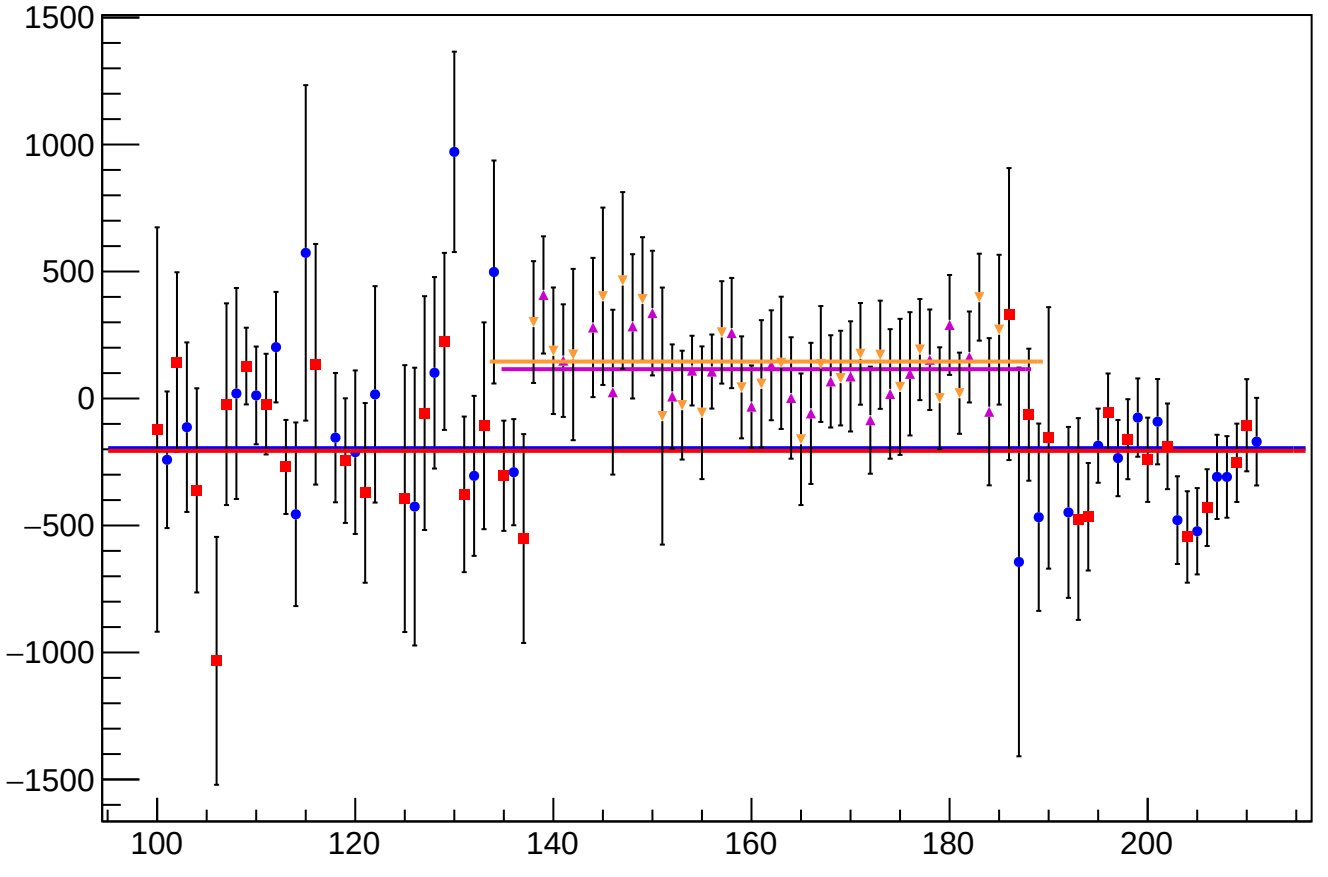
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 57.897+/-0.007 χ^2/NDF: 4754183.2/58

In: 59.809+/-0.007 χ^2/NDF:3678415.4/50

Out: 61.735+/-0.008 χ^2/NDF:4641650.0/54

All: 60.754+/-0.005 χ^2/NDF: 8352816.2/105



Right In: -195.615+/-43.199 χ^2/NDF: 29.3/27

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -206.171+/-42.009 χ^2/NDF: 24.3/30

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

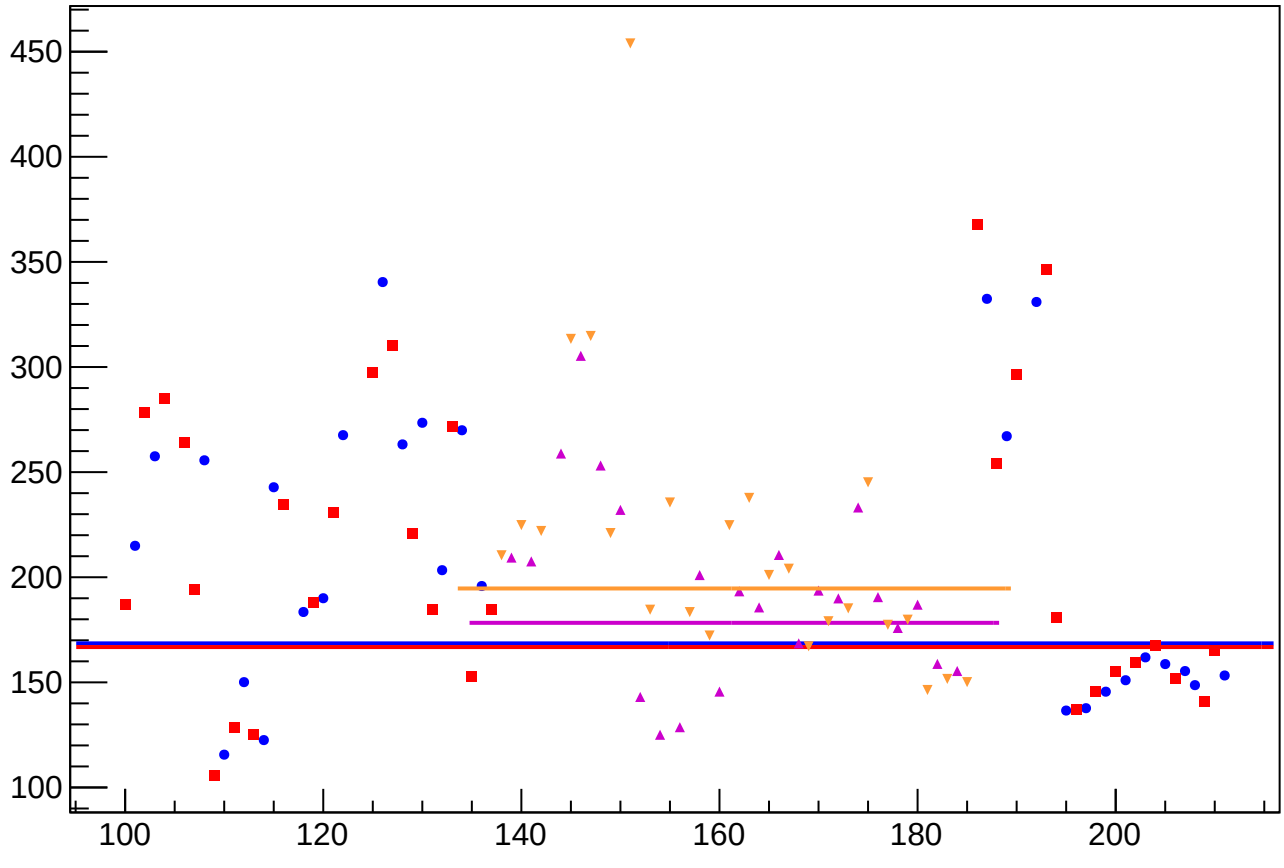
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -201.040+/-30.117 χ^2/NDF: 53.6/58

In: -41.385+/-30.676 χ^2/NDF:62.7/50

Out: -49.593+/-31.288 χ^2/NDF:65.8/54

All: -45.408+/-21.905 χ^2/NDF: 128.5/105



Right In: 168.545+/-0.031 χ^2/NDF: 2282380.0/27

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 166.795+/-0.030 χ^2/NDF: 2820498.1/30

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

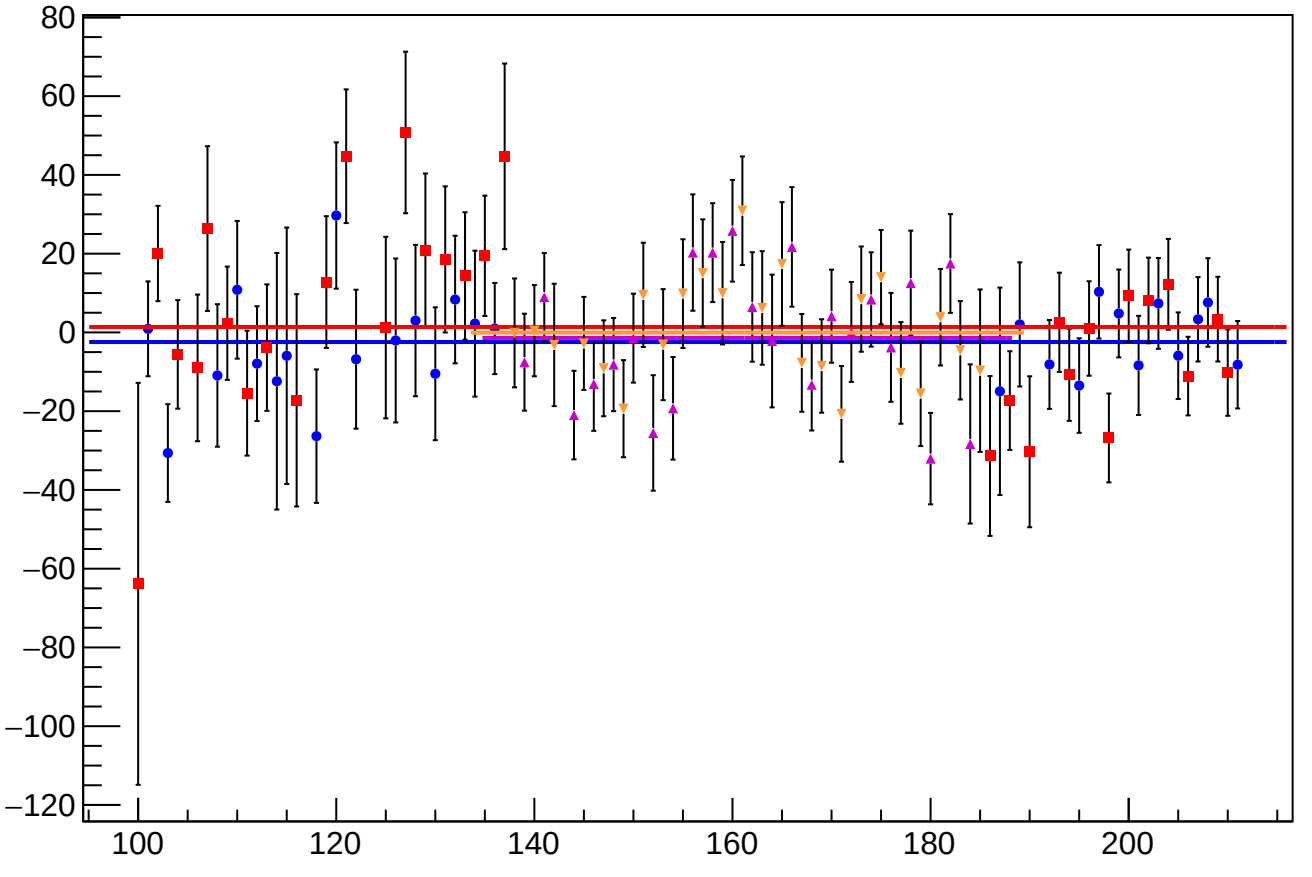
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 167.645+/-0.021 χ^2/NDF: 5104565.2/58

In: 173.390+/-0.022 χ^2/NDF:4011461.2/50

Out: 179.202+/-0.022 χ^2/NDF:4965421.0/54

All: 176.239+/-0.015 χ^2/NDF: 9012070.6/105



Right In: -2.436+/-2.665 χ^2/NDF: 17.6/27

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.383+/-2.594 χ^2/NDF: 47.1/30

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

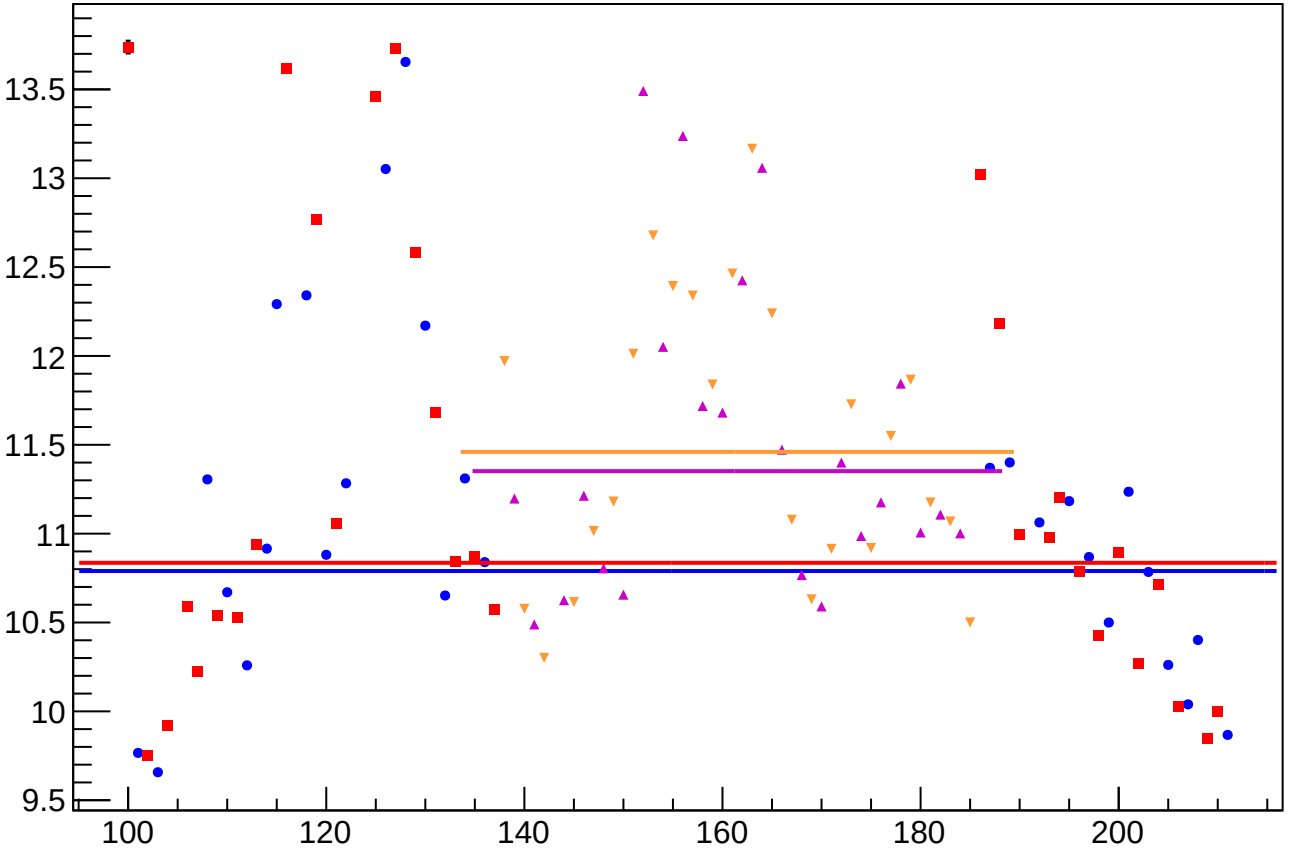
Right: -0.475+/-1.859 χ^2/NDF: 65.8/58

In: -1.923+/-1.887 χ^2/NDF:54.0/50

Out: 0.693+/-1.866 χ^2/NDF:67.7/54

All: -0.600+/-1.327 χ^2/NDF: 122.7/105

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.790+/-0.002 χ^2/NDF: 183148.4/27

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.836+/-0.002 χ^2/NDF: 268390.0/30

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

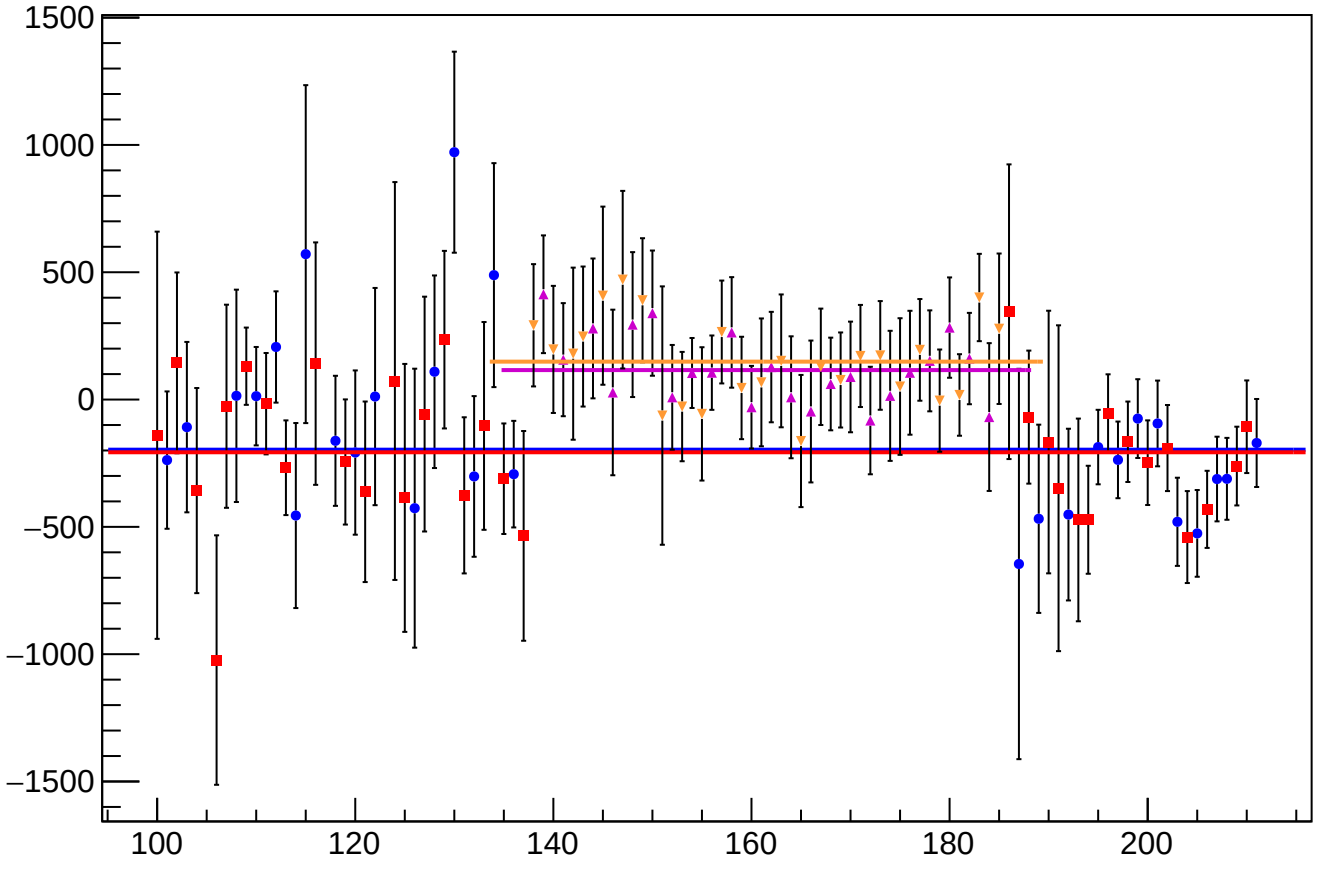
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.813+/-0.001 χ^2/NDF: 451847.5/58

In: 11.070+/-0.001 χ^2/NDF:398044.5/50

Out: 11.137+/-0.001 χ^2/NDF:474729.9/54

All: 11.104+/-0.001 χ^2/NDF: 874067.9/105



Right In: -196.876+/-43.310 χ^2/NDF: 29.3/27

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -207.040+/-41.971 χ^2/NDF: 24.5/32

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

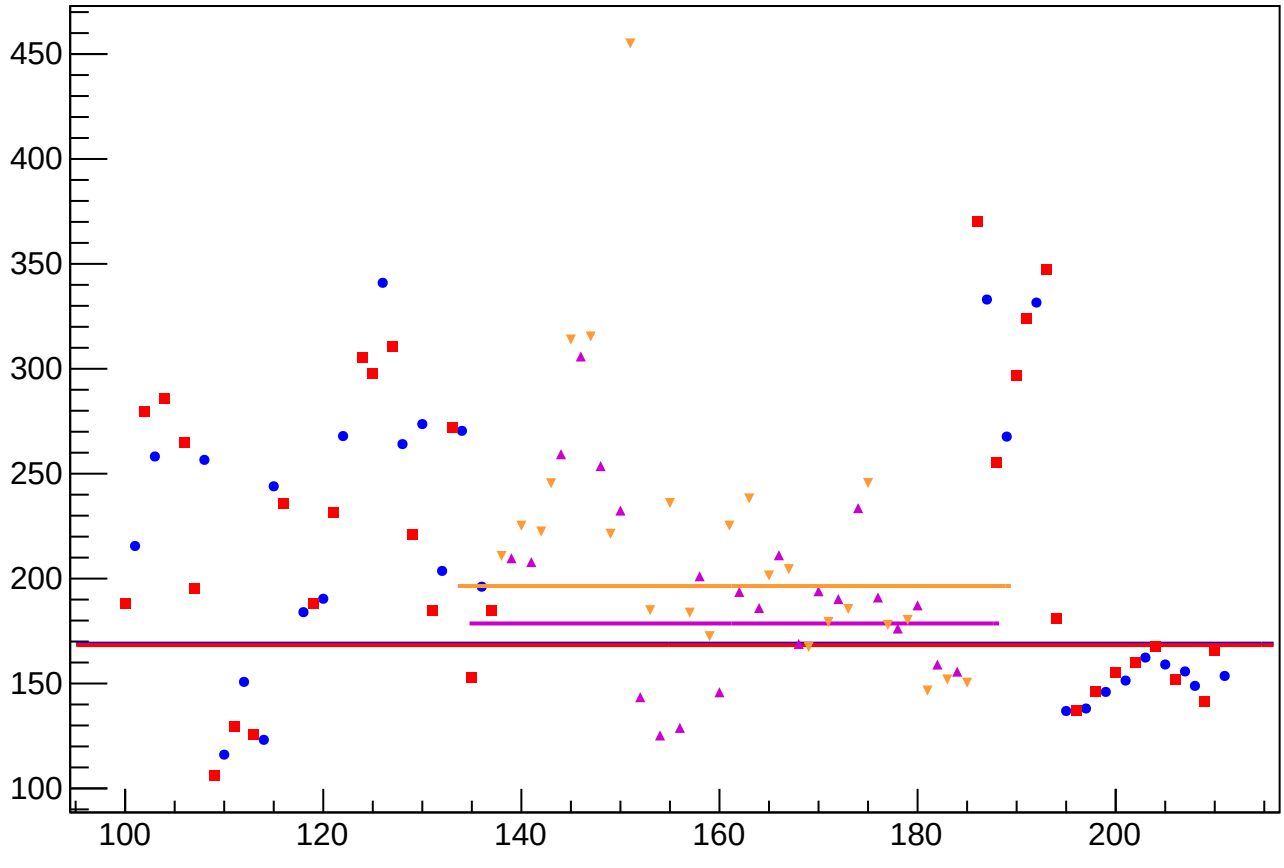
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -202.118+/-30.140 χ^2/NDF: 53.8/60

In: -41.773+/-30.741 χ^2/NDF:63.0/50

Out: -46.505+/-31.098 χ^2/NDF:67.4/57

All: -44.112+/-21.862 χ^2/NDF: 130.4/108



Right In: 168.988+/-0.031 χ^2/NDF: 2278003.3/27

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.326+/-0.030 χ^2/NDF: 2999203.3/32

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

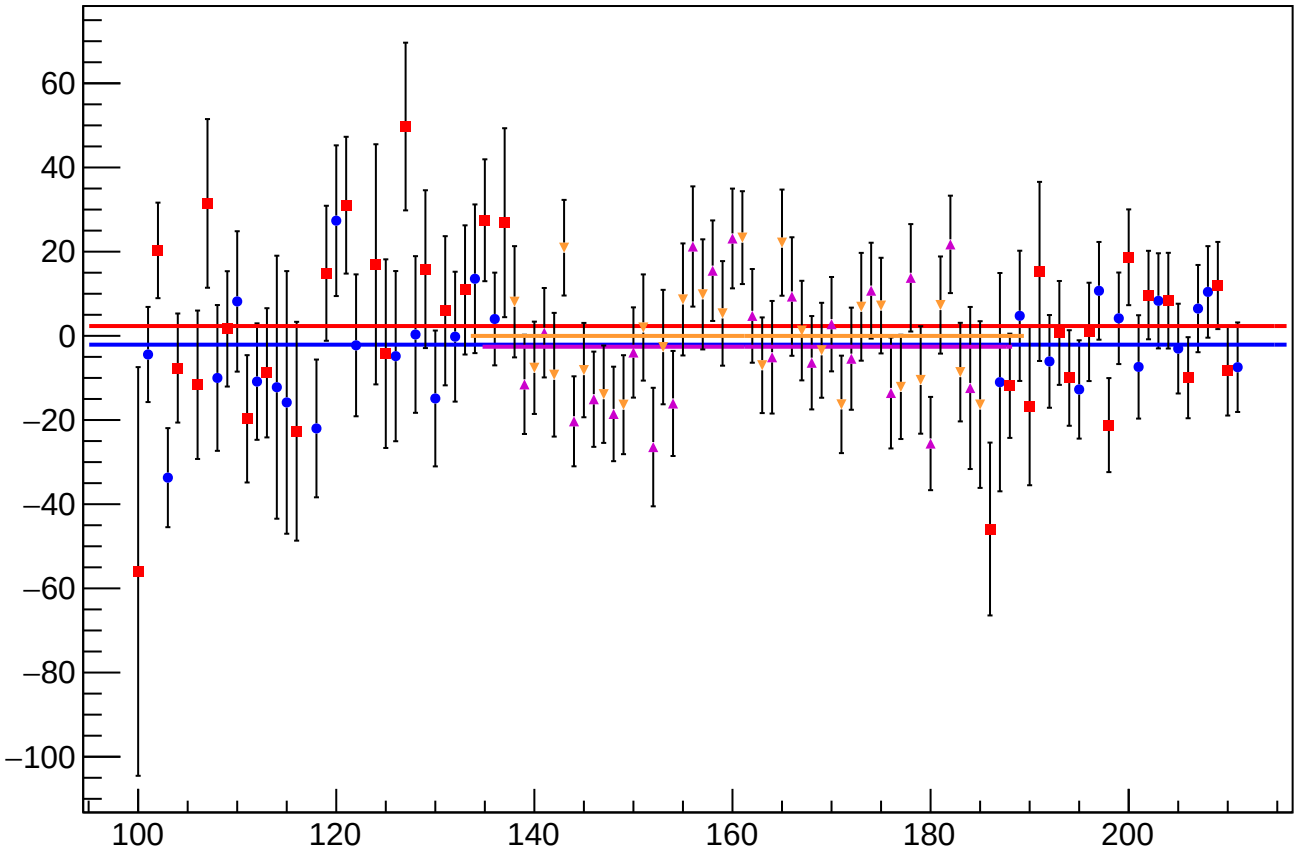
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 168.646+/-0.021 χ^2/NDF: 5277447.4/60

In: 173.764+/-0.022 χ^2/NDF:4005888.7/50

Out: 181.012+/-0.022 χ^2/NDF:5223088.5/57

All: 177.346+/-0.015 χ^2/NDF: 9283924.3/108



Right In: -2.099+/-2.570 χ^2/NDF: 20.6/27

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.327+/-2.478 χ^2/NDF: 45.9/32

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

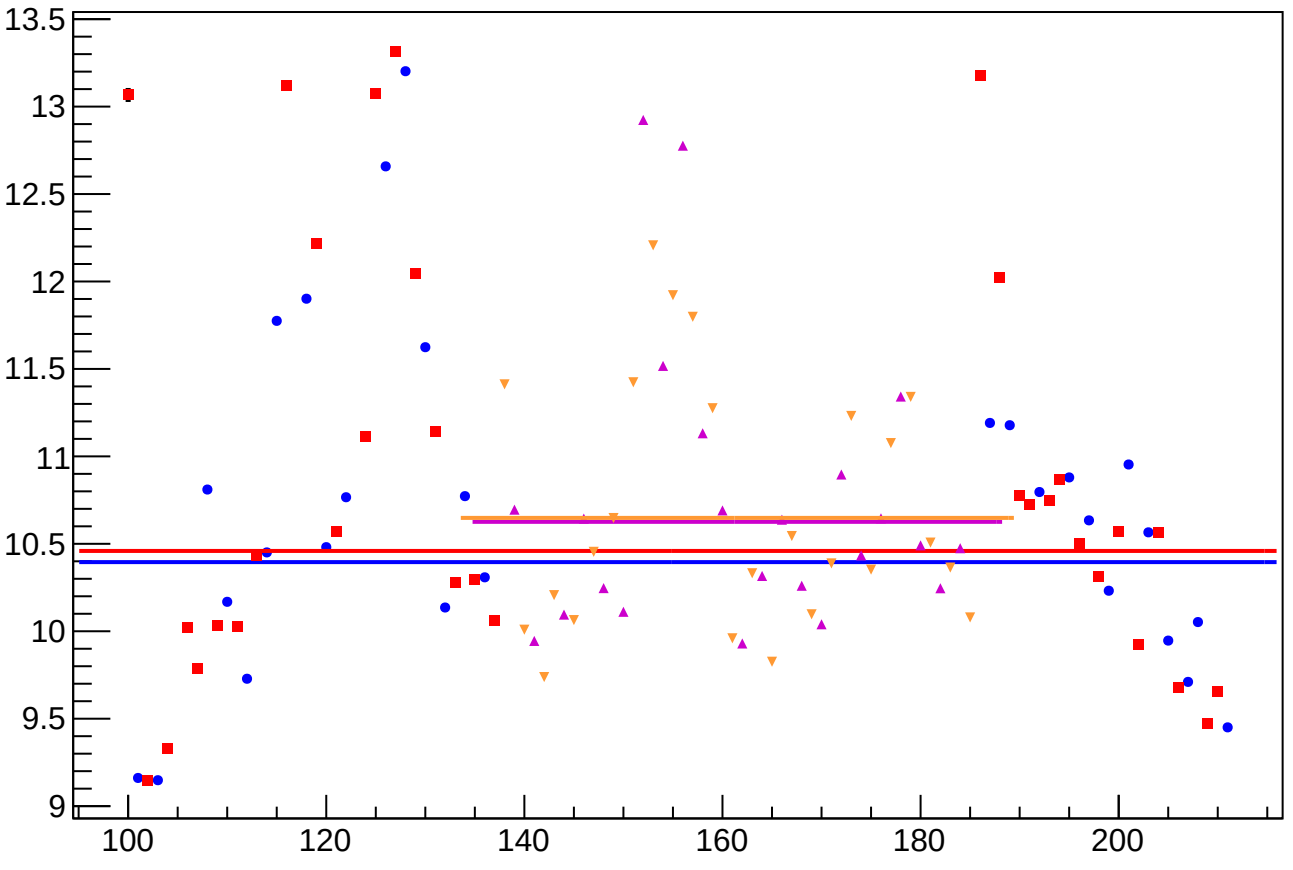
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.195+/-1.784 χ^2/NDF: 68.1/60

In: -2.351+/-1.794 χ^2/NDF:55.4/50

Out: 1.139+/-1.740 χ^2/NDF:70.1/57

All: -0.553+/-1.249 χ^2/NDF: 127.5/108



Right In: 10.395+/-0.002 χ^2/NDF: 207115.6/27

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.459+/-0.002 χ^2/NDF: 308026.8/32

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

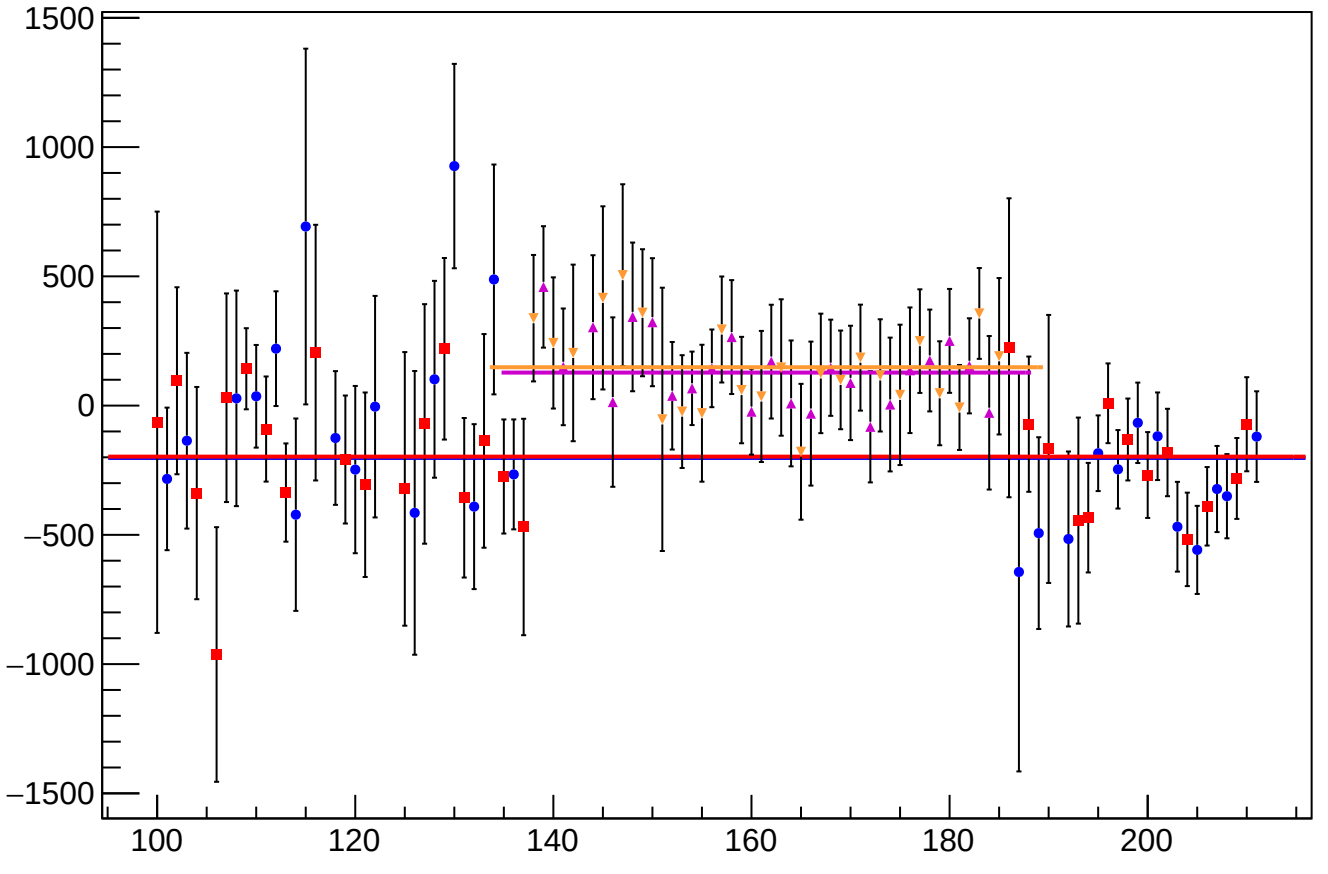
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.428+/-0.001 χ^2/NDF: 515782.9/60

In: 10.513+/-0.001 χ^2/NDF:374891.4/50

Out: 10.555+/-0.001 χ^2/NDF:457458.4/57

All: 10.535+/-0.001 χ^2/NDF: 832904.1/108



Right In: -202.447+/-43.689 χ^2/NDF: 30.8/27

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -197.456+/-42.521 χ^2/NDF: 22.2/30

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

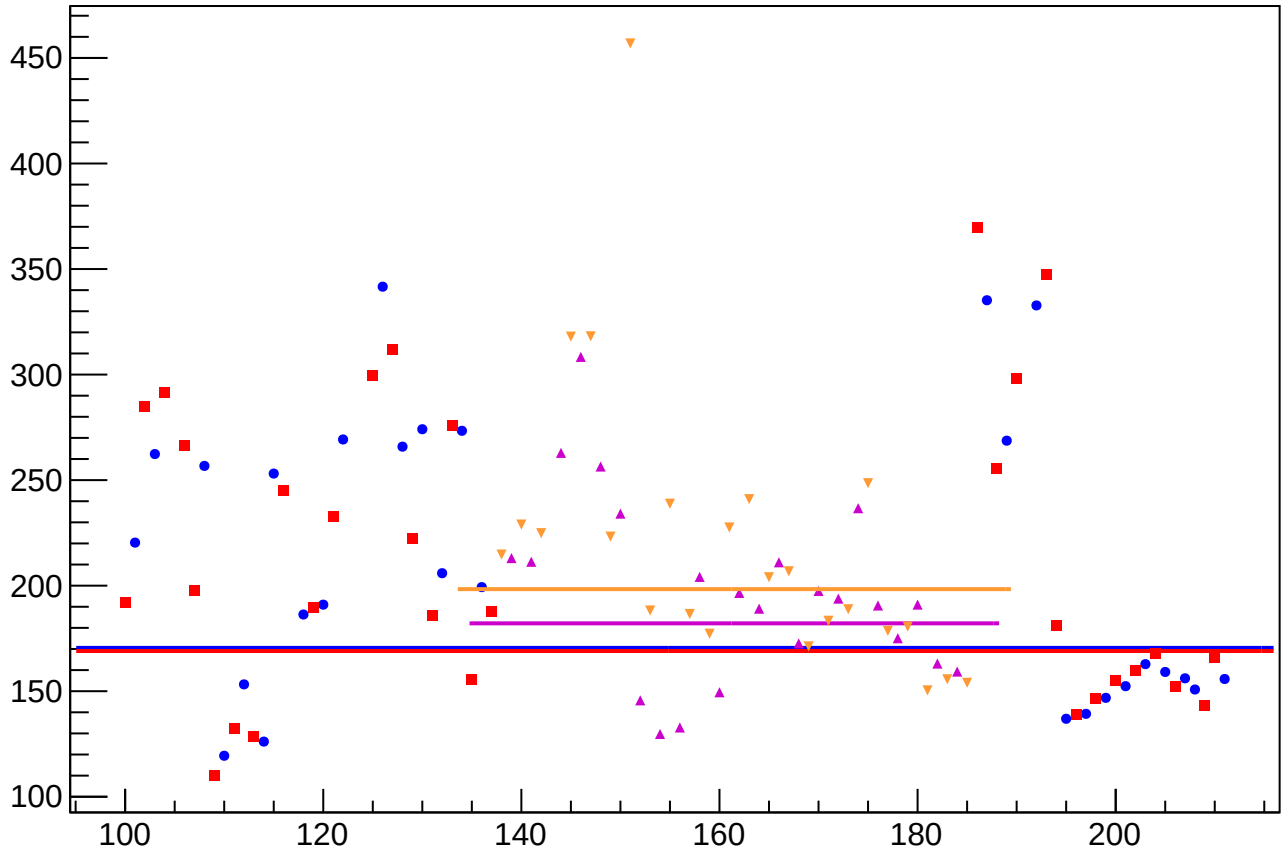
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -199.884+/-30.472 χ^2/NDF: 53.1/58

In: -40.130+/-31.150 χ^2/NDF:66.8/50

Out: -44.371+/-31.747 χ^2/NDF:61.4/54

All: -42.210+/-22.234 χ^2/NDF: 128.2/105



Right In: 170.521+/-0.031 χ^2/NDF: 2267306.6/27

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.052+/-0.030 χ^2/NDF: 2755825.8/30

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

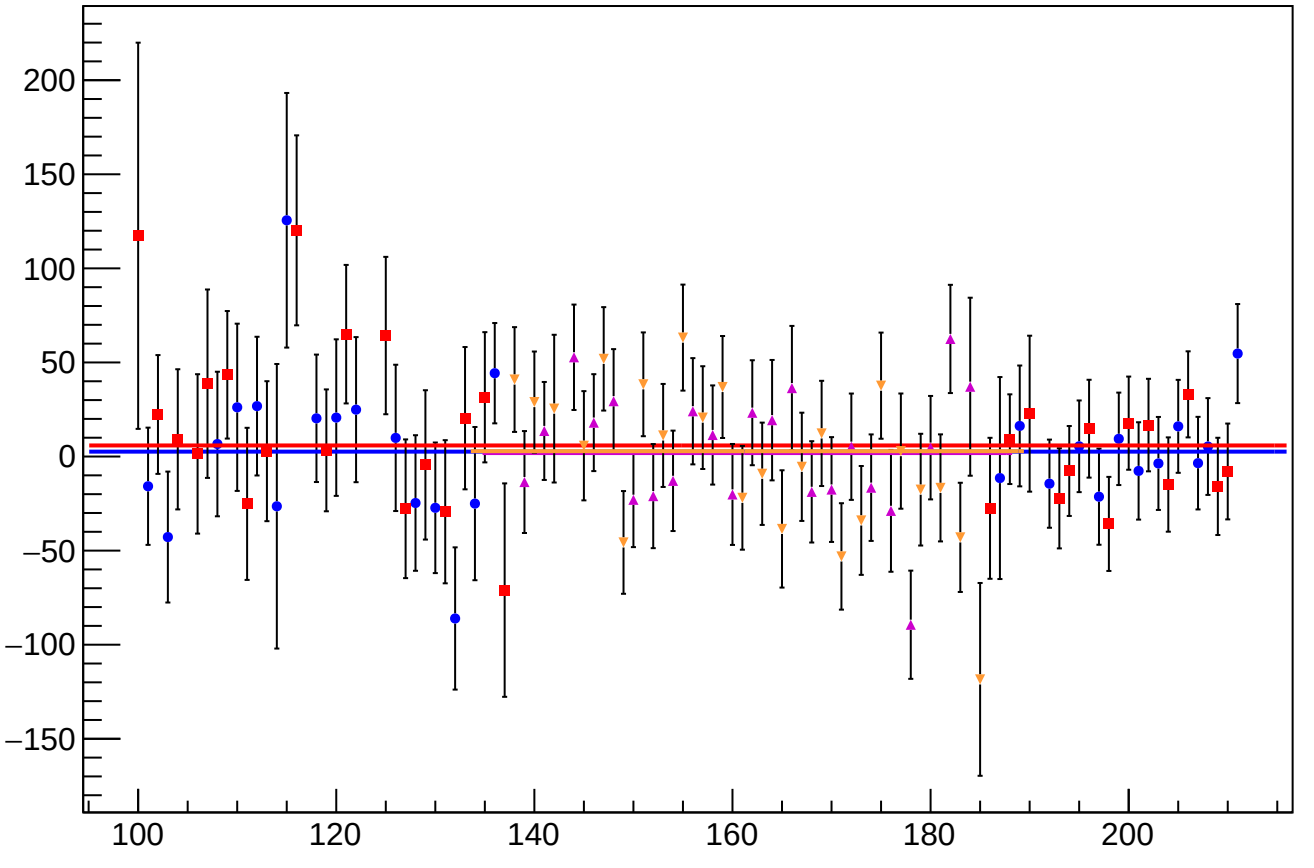
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 169.766+/-0.022 χ^2/NDF: 5024293.6/58

In: 176.238+/-0.022 χ^2/NDF:3921336.3/50

Out: 182.019+/-0.022 χ^2/NDF:4873161.2/54

All: 179.074+/-0.016 χ^2/NDF: 8828284.3/105



Right In: 2.602+/-5.907 χ^2/NDF: 23.0/27

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 5.888+/-5.710 χ^2/NDF: 26.5/30

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

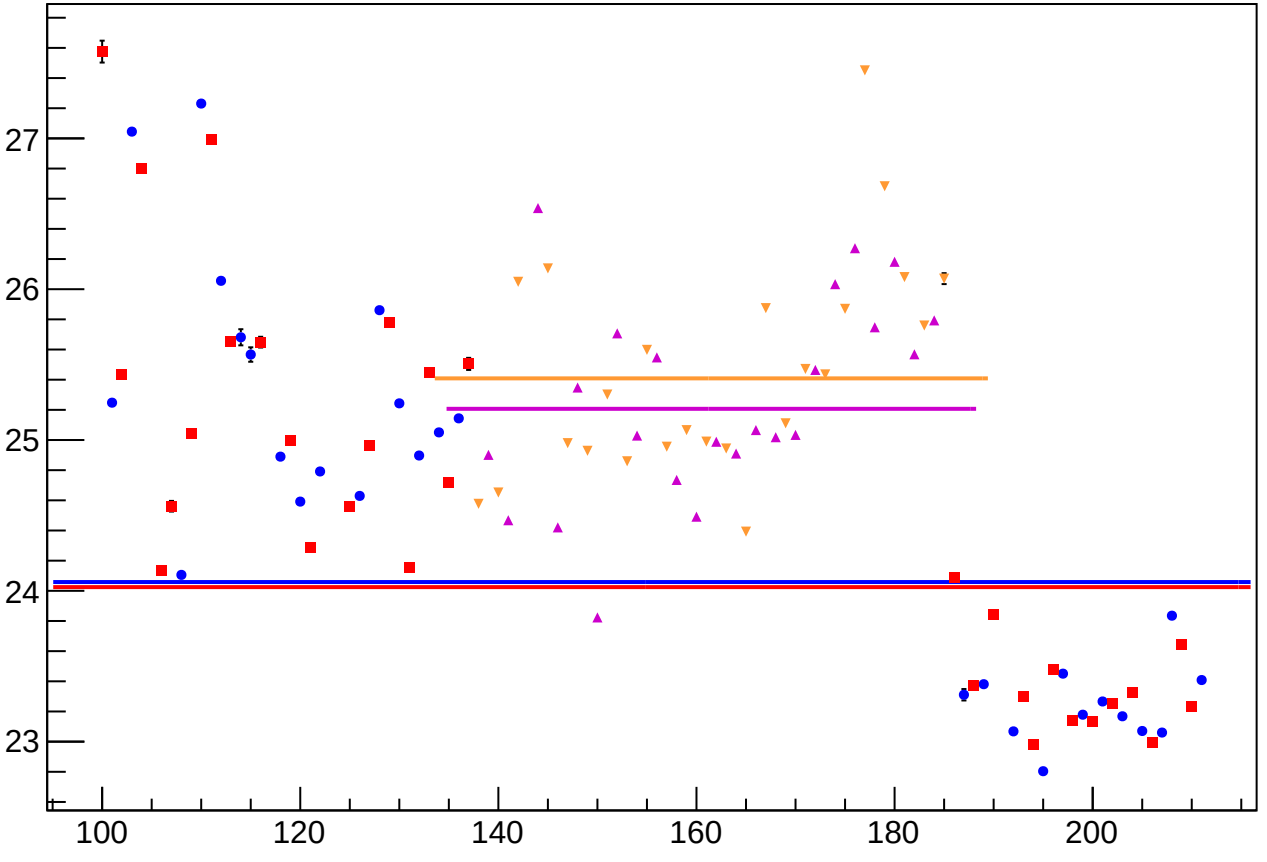
Right: 4.301+/-4.105 χ^2/NDF: 49.7/58

In: 2.225+/-4.172 χ^2/NDF:51.1/50

Out: 4.420+/-4.105 χ^2/NDF:63.6/54

All: 3.341+/-2.926 χ^2/NDF: 114.8/105

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.058+/-0.004 χ^2/NDF: 77337.0/27

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.025+/-0.004 χ^2/NDF: 71471.8/30

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

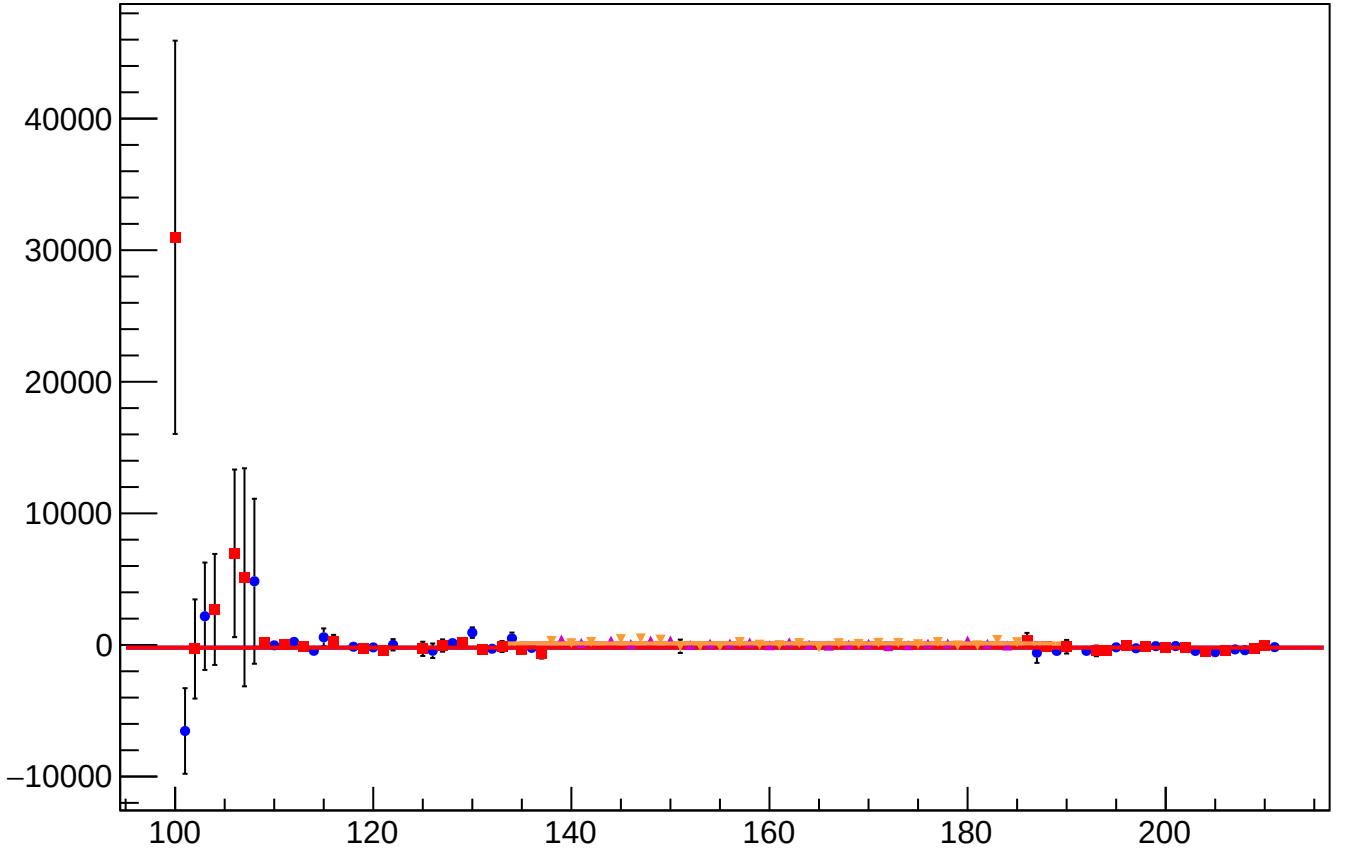
Right: 24.041+/-0.003 χ^2/NDF: 148842.2/58

In: 24.634+/-0.003 χ^2/NDF:141065.1/50

Out: 24.693+/-0.003 χ^2/NDF:155132.0/54

All: 24.664+/-0.002 χ^2/NDF: 296404.6/105

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -203.749+/-45.496 χ^2/NDF: 33.7/27

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -202.606+/-44.808 χ^2/NDF: 25.4/30

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

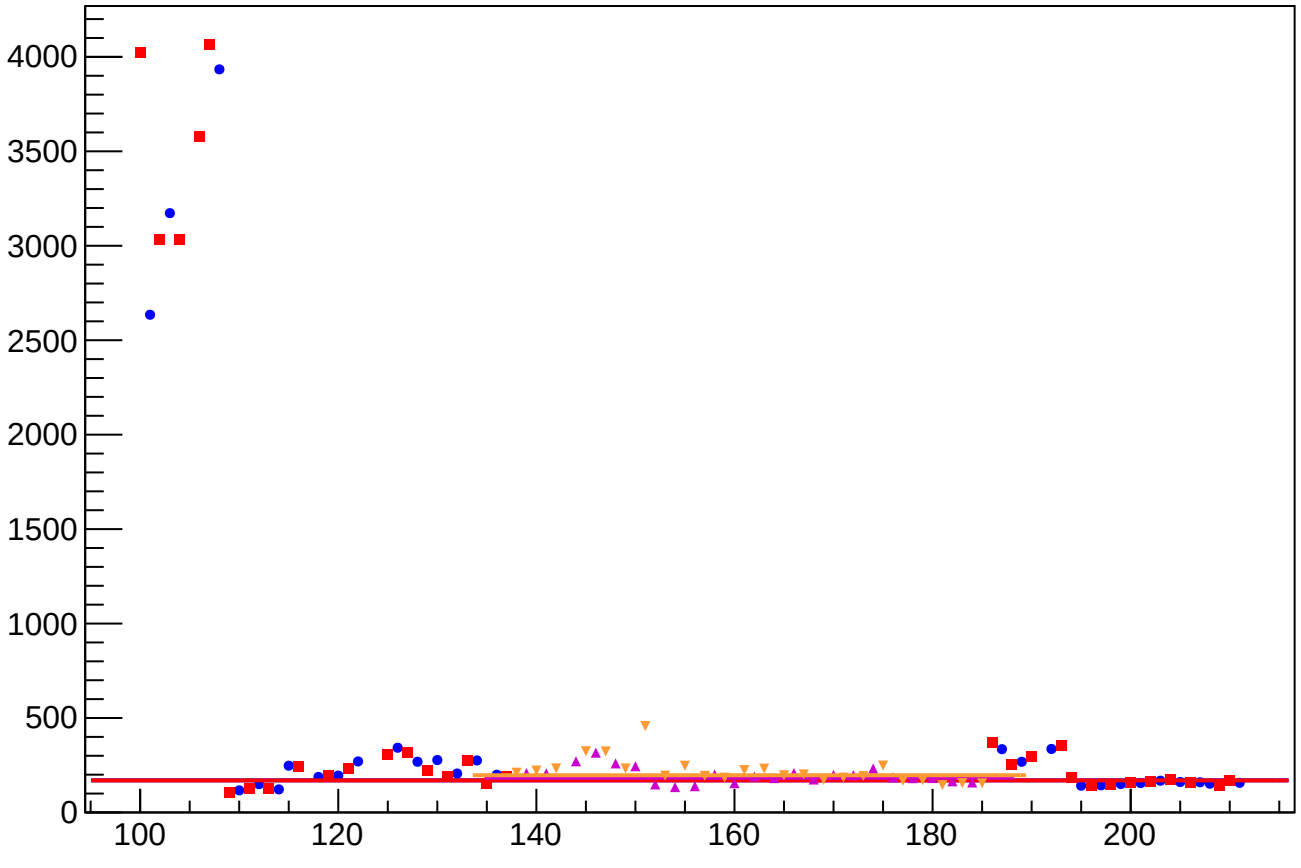
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -203.169+/-31.924 χ^2/NDF: 59.1/58

In: -41.237+/-31.917 χ^2/NDF:67.3/50

Out: -50.397+/-32.575 χ^2/NDF:61.8/54

All: -45.723+/-22.798 χ^2/NDF: 129.1/105



Right In: 170.030+/-0.032 χ^2/NDF: 4881705.2/27

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 169.642+/-0.032 χ^2/NDF: 5416587.0/30

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

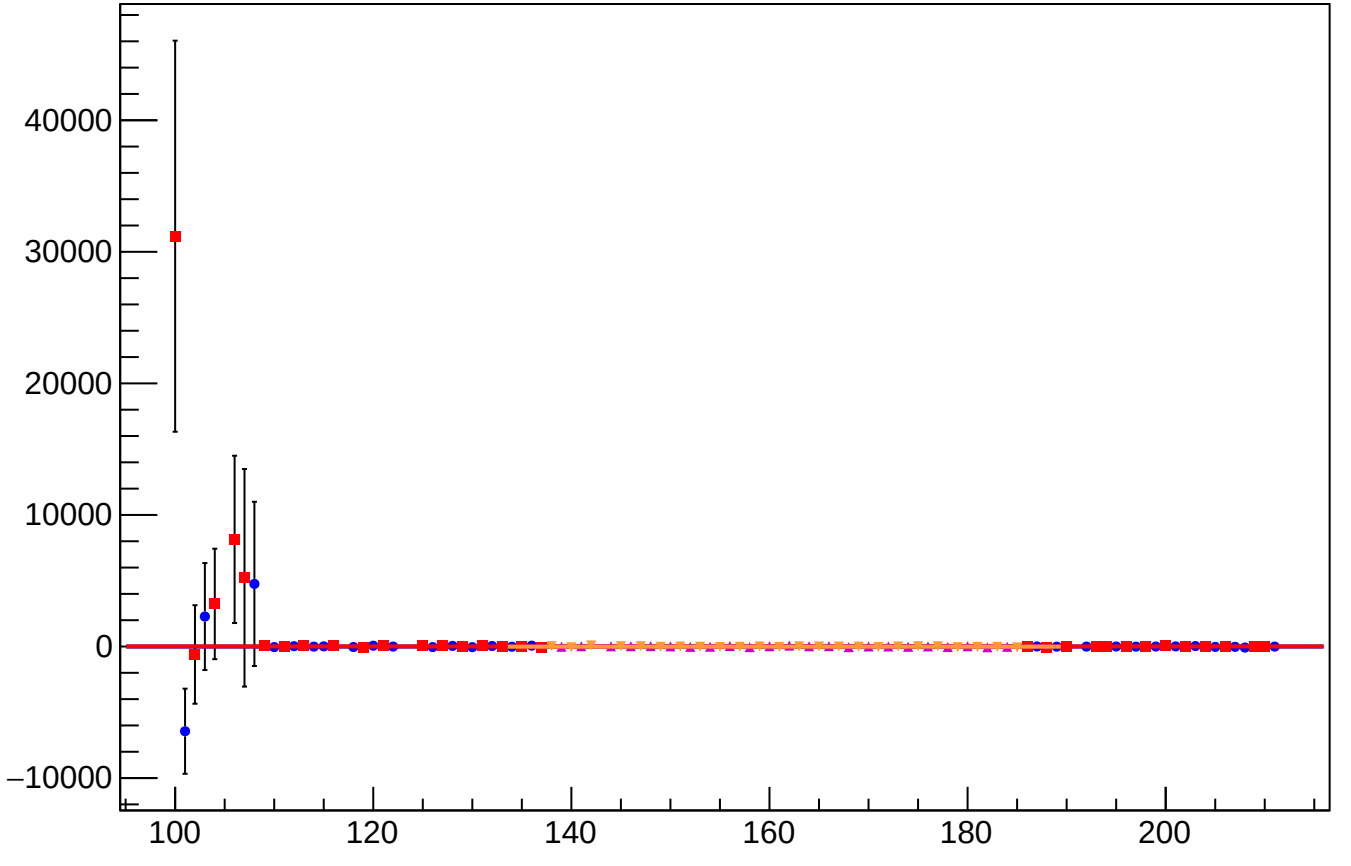
Right: 169.833+/-0.023 χ^2/NDF: 10298366.0/58

In: 177.151+/-0.023 χ^2/NDF:6423601.6/50

Out: 182.510+/-0.023 χ^2/NDF:7575718.4/54

All: 179.776+/-0.016 χ^2/NDF: 14026945.8/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -4.940+/-7.049 χ^2/NDF: 28.9/27

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 9.623+/-6.901 χ^2/NDF: 33.2/30

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

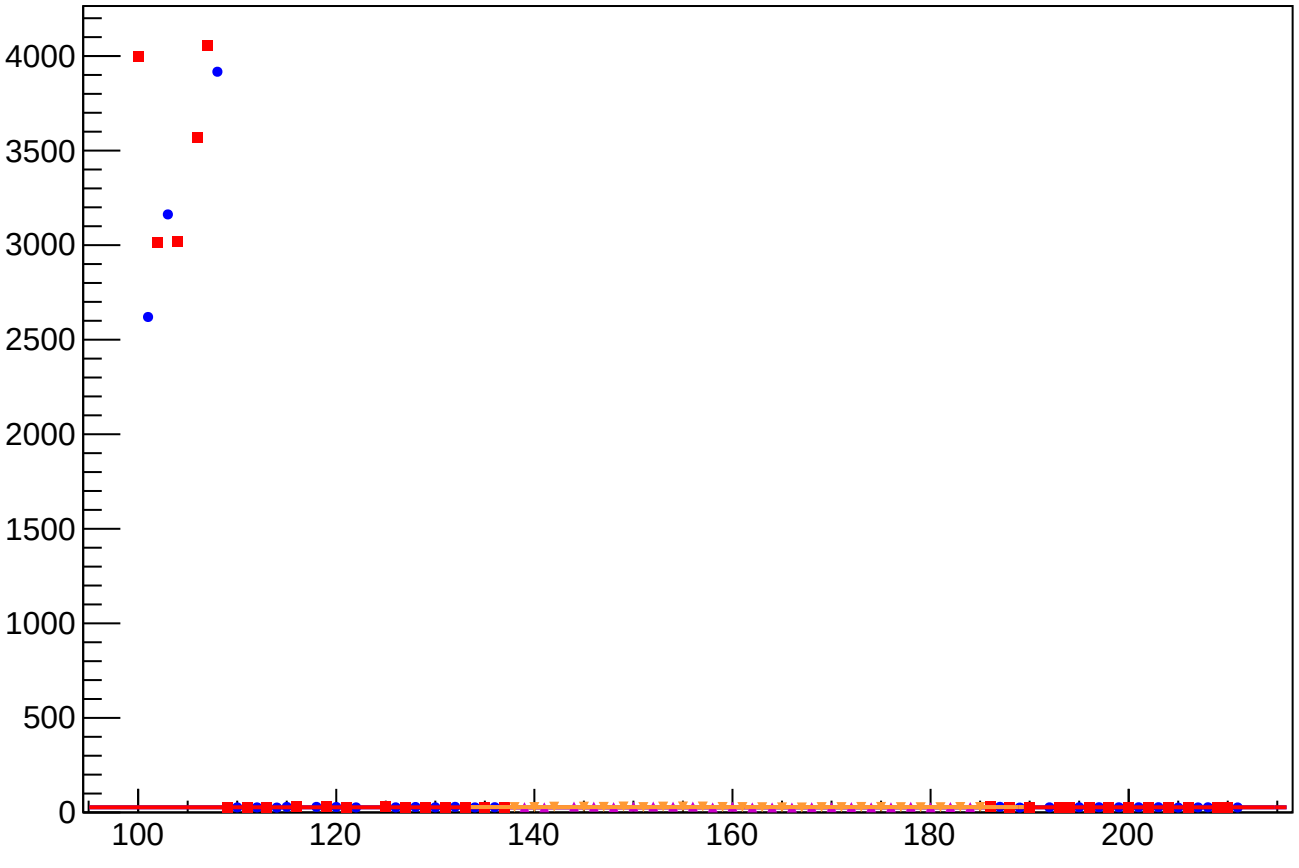
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 2.496+/-4.931 χ^2/NDF: 64.3/58

In: -1.009+/-4.868 χ^2/NDF:51.7/50

Out: -1.124+/-4.790 χ^2/NDF:55.4/54

All: -1.067+/-3.414 χ^2/NDF: 107.1/105



Right In: 27.267+/-0.005 χ^2/NDF: 3286645.4/27

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.269+/-0.005 χ^2/NDF: 3596633.1/30

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

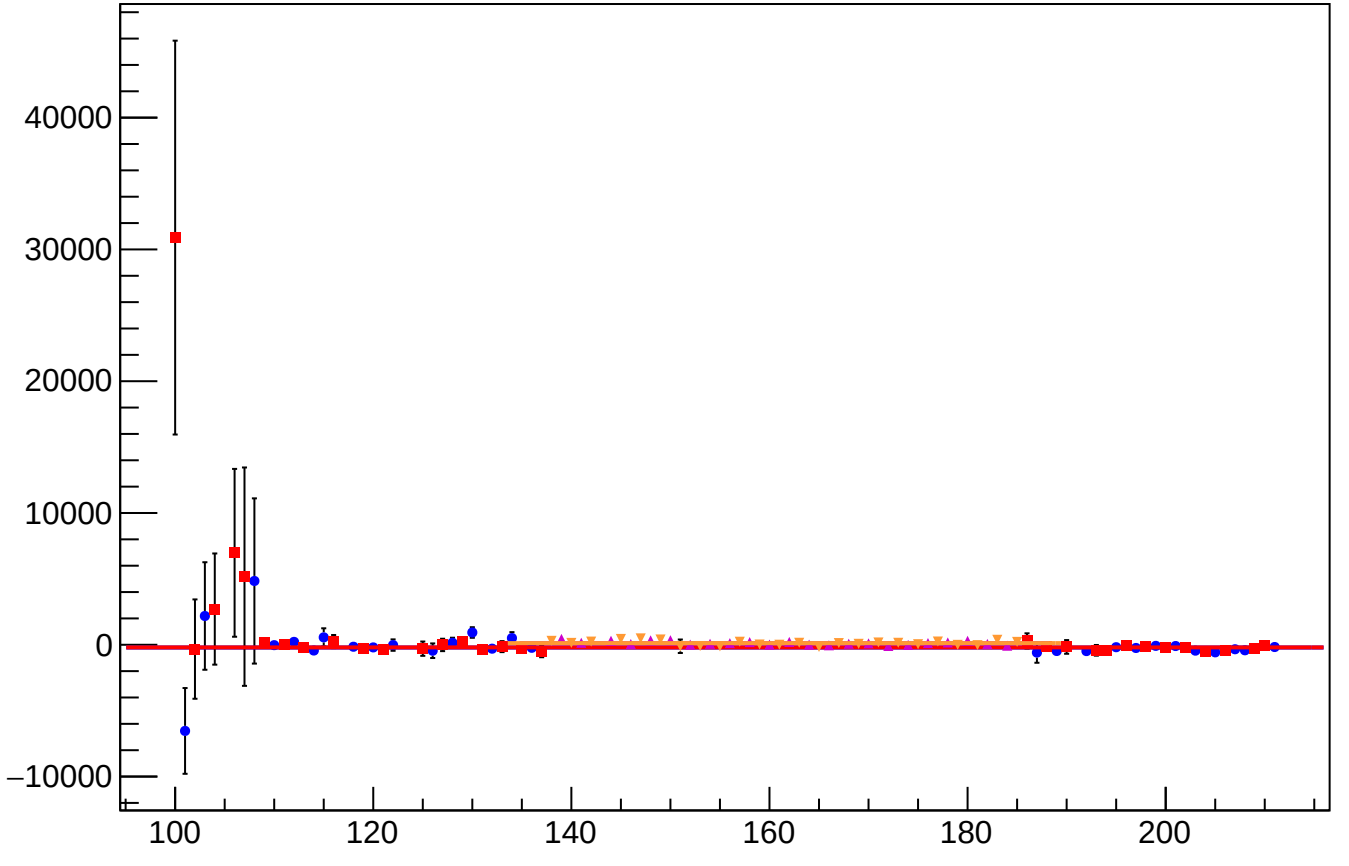
Right: 27.268+/-0.003 χ^2/NDF: 6883278.6/58

In: 28.031+/-0.003 χ^2/NDF:3458916.6/50

Out: 27.955+/-0.003 χ^2/NDF:3715740.3/54

All: 27.992+/-0.002 χ^2/NDF: 7174905.8/105

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -210.502+/-45.701 χ^2/NDF: 34.1/27

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -199.895+/-44.990 χ^2/NDF: 23.9/30

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

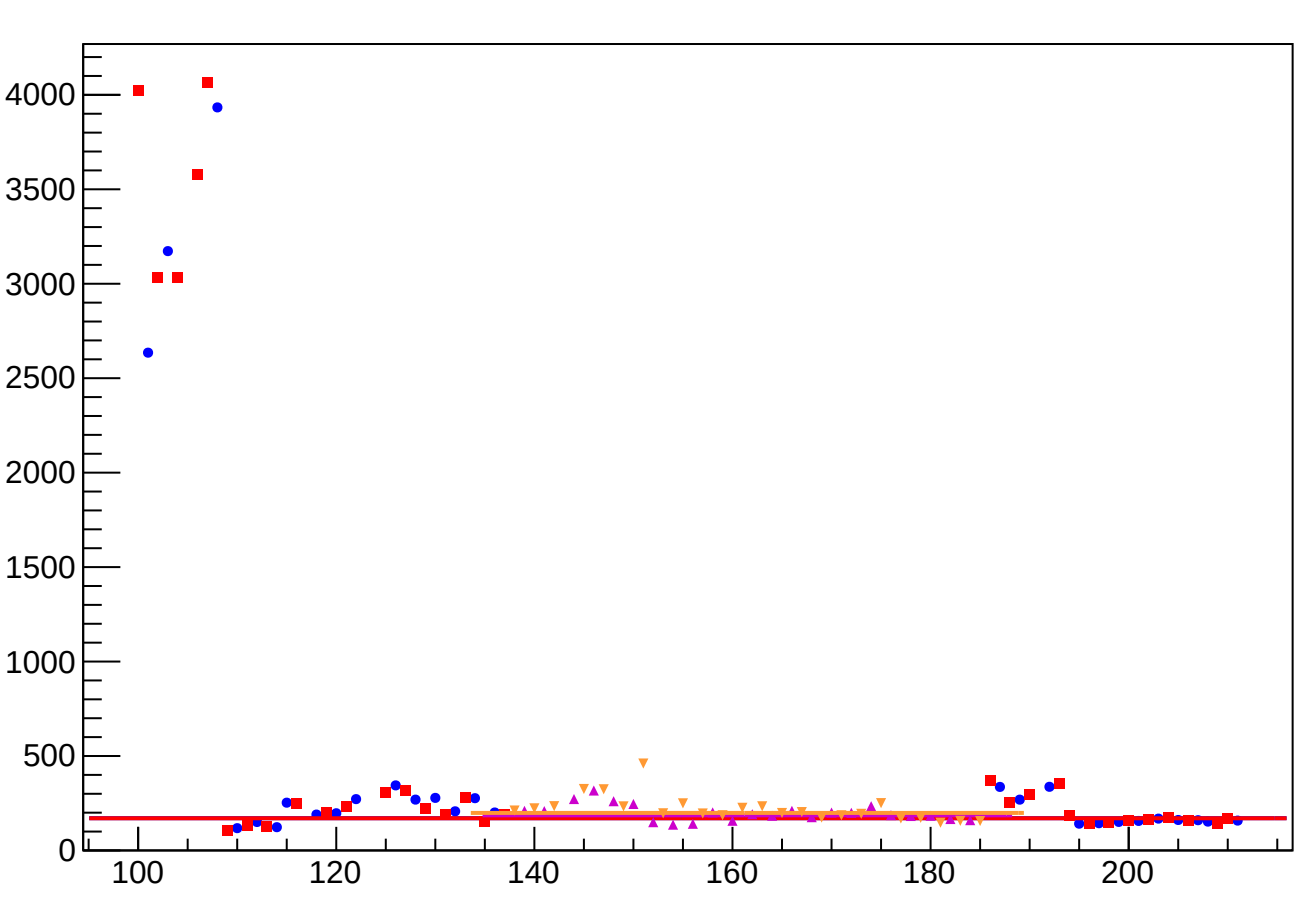
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -205.116+/-32.061 χ^2/NDF: 58.0/58

In: -42.004+/-32.136 χ^2/NDF:68.9/50

Out: -46.809+/-32.778 χ^2/NDF:60.2/54

All: -44.359+/-22.947 χ^2/NDF: 129.1/105



Right In: 170.810+/-0.032 χ^2/NDF: 4878365.0/27

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 170.379+/-0.032 χ^2/NDF: 5404733.6/30

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

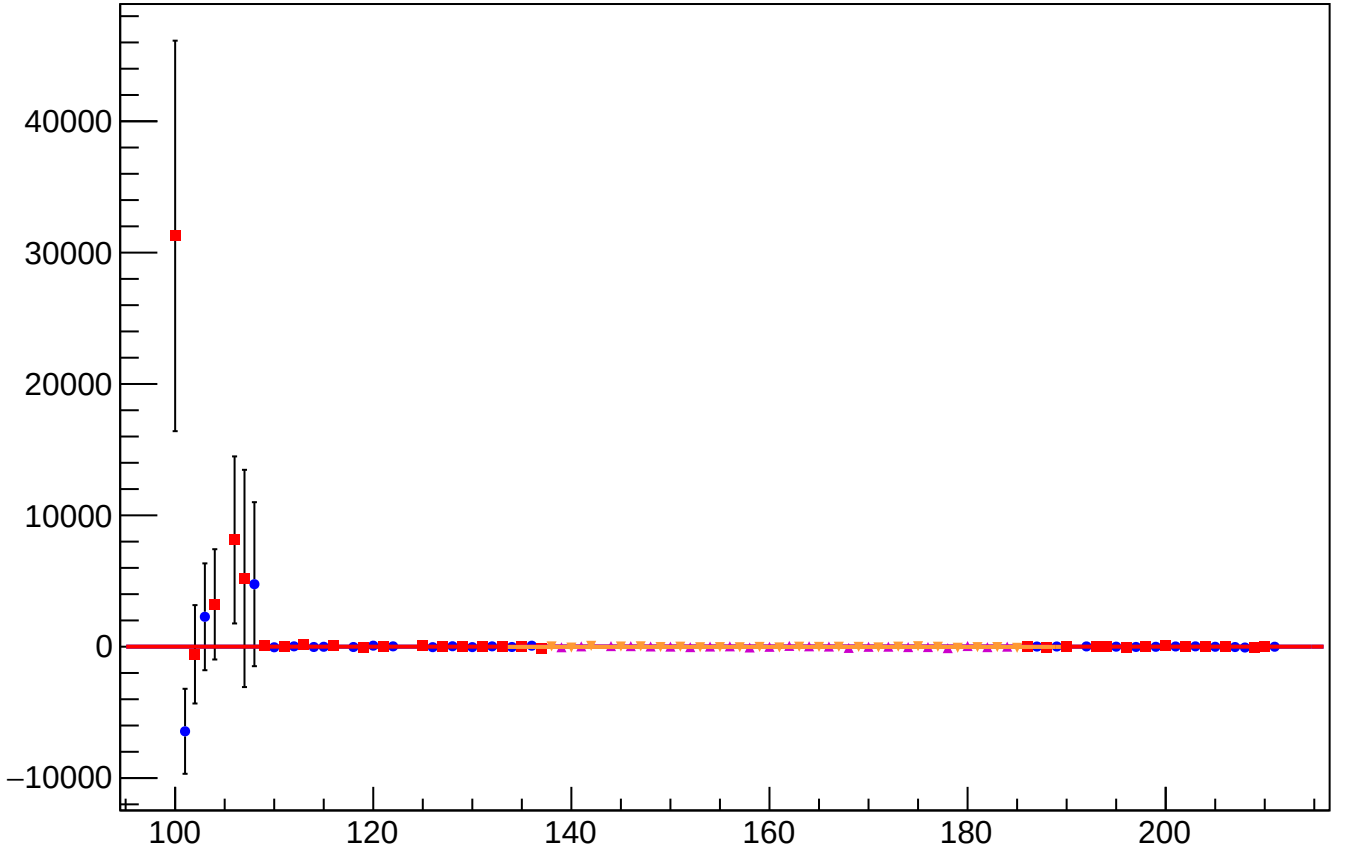
Right: 170.591+/-0.023 χ^2/NDF: 10283188.9/58

In: 178.424+/-0.023 χ^2/NDF:6393705.4/50

Out: 183.684+/-0.023 χ^2/NDF:7563940.1/54

All: 181.002+/-0.016 χ^2/NDF: 13983909.6/10

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 3.119+/-7.794 χ^2/NDF: 22.7/27

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 4.164+/-7.628 χ^2/NDF: 38.8/30

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

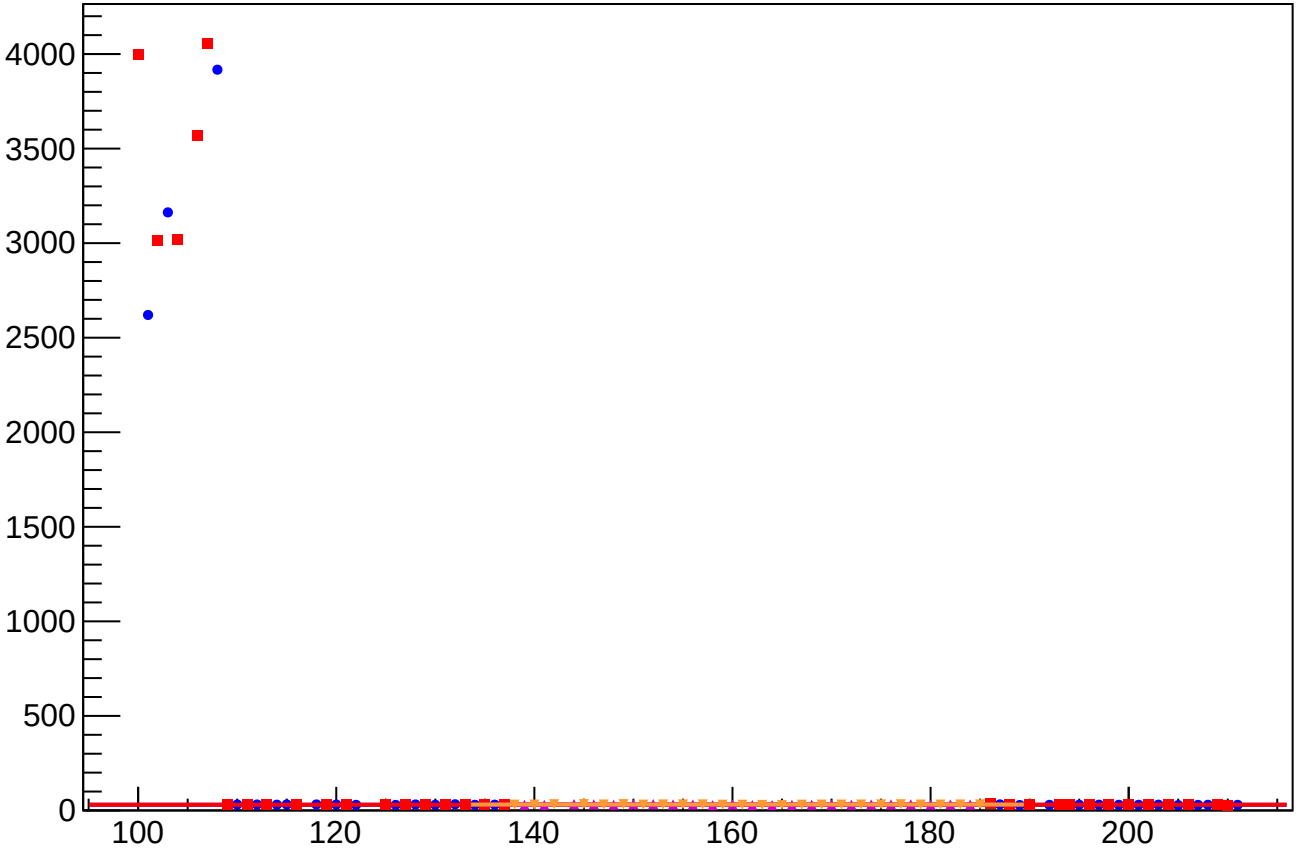
Right: 3.653+/-5.451 χ^2/NDF: 61.5/58

In: 0.034+/-5.346 χ^2/NDF:58.5/50

Out: -7.564+/-5.259 χ^2/NDF:63.7/54

All: -3.828+/-3.749 χ^2/NDF: 123.2/105

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 30.159+/-0.006 χ^2/NDF: 3274172.7/27

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.157+/-0.005 χ^2/NDF: 3569777.2/30

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

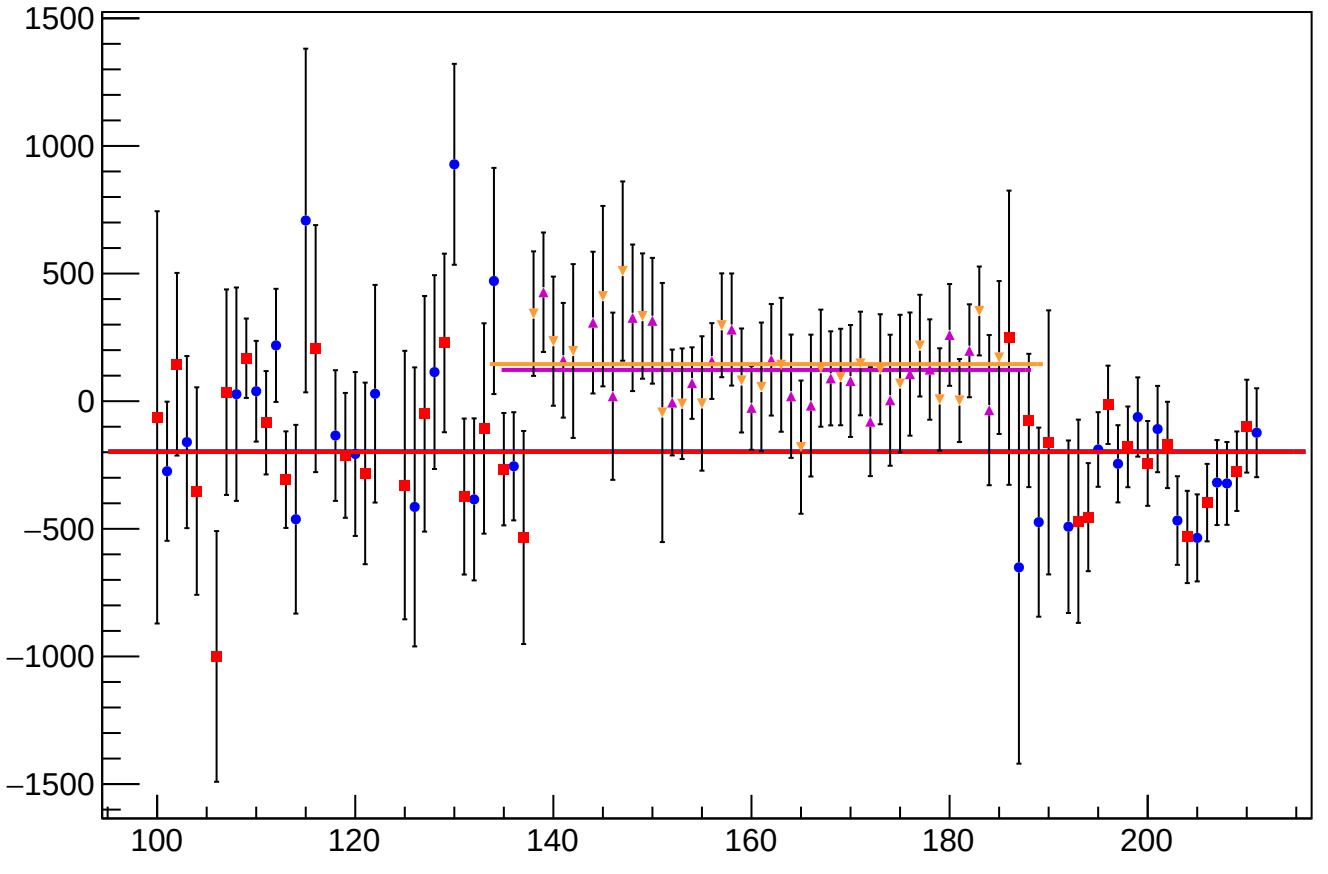
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.158+/-0.004 χ^2/NDF: 6843950.0/58

In: 30.805+/-0.004 χ^2/NDF:3385355.4/50

Out: 30.716+/-0.004 χ^2/NDF:3637620.2/54

All: 30.760+/-0.003 χ^2/NDF: 7023260.3/105



Right In: -196.243+/-43.542 χ^2/NDF: 30.2/27

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -199.006+/-42.379 χ^2/NDF: 23.8/30

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

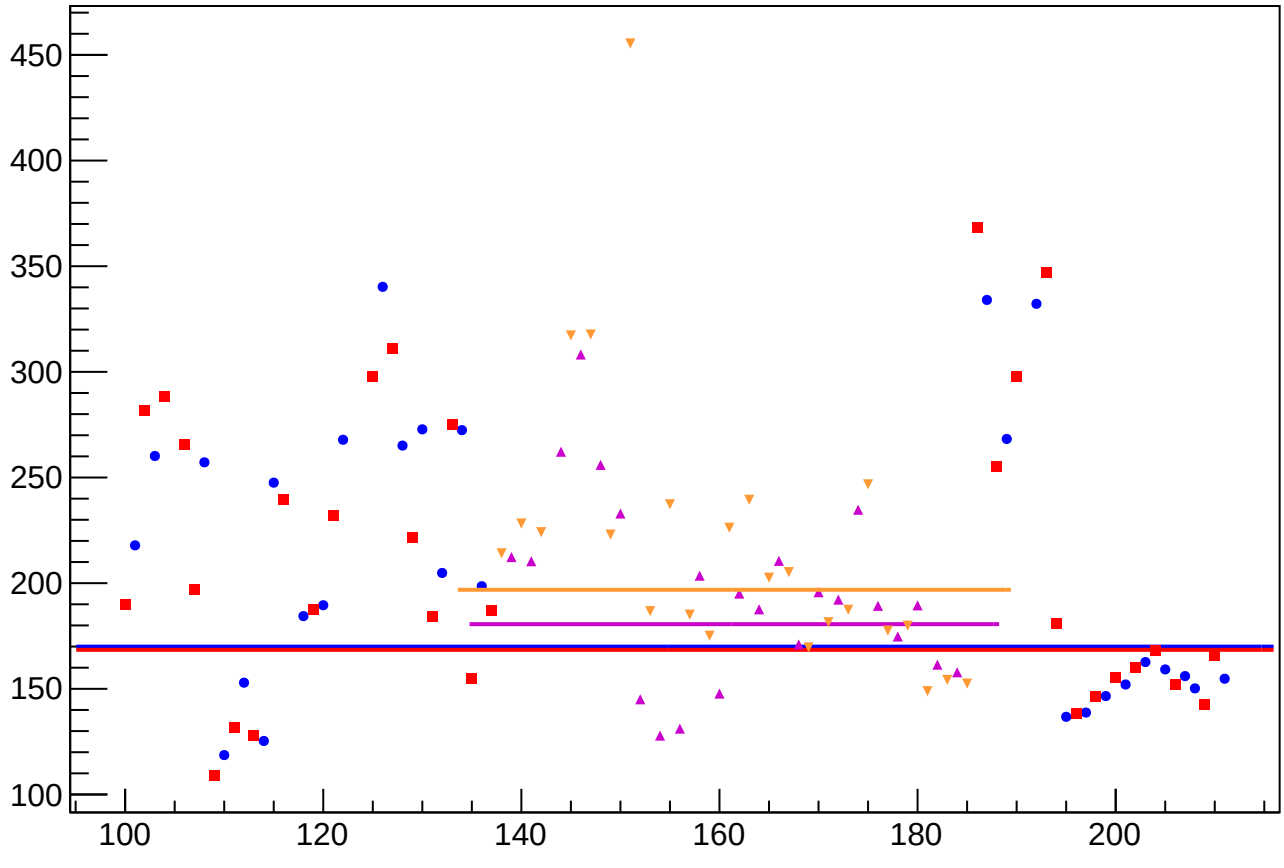
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

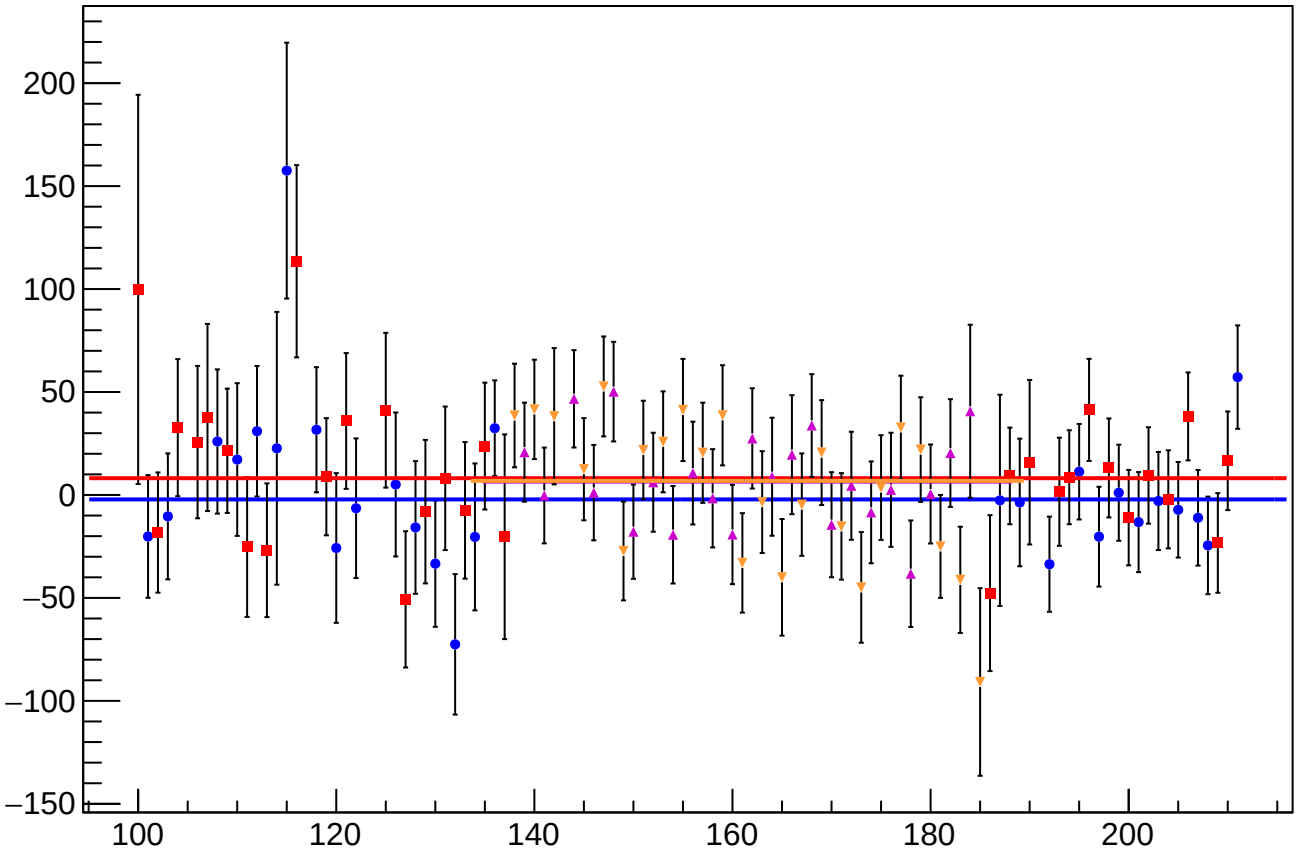
Right: -197.662+/-30.369 χ^2/NDF: 54.0/58

In: -38.894+/-30.978 χ^2/NDF:64.5/50

Out: -46.009+/-31.590 χ^2/NDF:62.5/54

All: -42.382+/-22.118 χ^2/NDF: 127.0/105


asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 169.961+/-0.031 χ²/NDF: 2257969.3/27
Left Out: 196.873+/-0.034 χ²/NDF:1725106.9/23
Right Out: 168.466+/-0.030 χ²/NDF: 2752372.5/30
Left In: 180.601+/-0.031 χ²/NDF:1628072.3/22
Left: 188.149+/-0.023 χ²/NDF: 3479589.1/46
Right: 169.193+/-0.021 χ²/NDF: 5011553.7/58
In: 175.216+/-0.022 χ²/NDF:3945020.0/50
Out: 181.088+/-0.022 χ²/NDF:4876793.4/54
All: 178.095+/-0.016 χ²/NDF: 8857046.3/105



Right In: -2.162+/-5.463 χ^2/NDF: 28.5/27

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 8.145+/-5.305 χ^2/NDF: 24.8/30

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

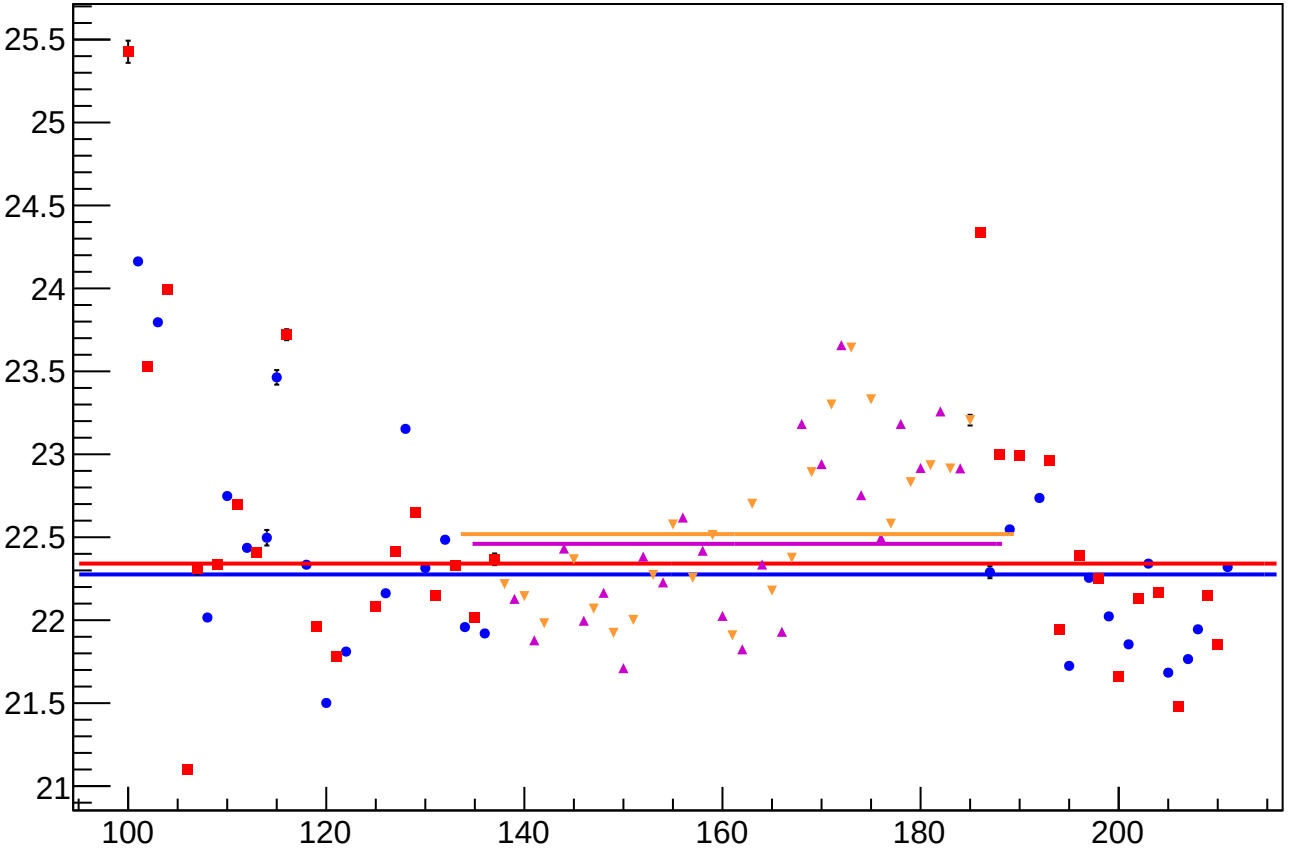
Right: 3.143+/-3.806 χ^2/NDF: 55.2/58

In: 2.335+/-3.784 χ^2/NDF:47.3/50

Out: 7.492+/-3.724 χ^2/NDF:61.7/54

All: 4.955+/-2.654 χ^2/NDF: 109.9/105

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.276+/-0.004 χ^2/NDF: 23293.9/27

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.341+/-0.004 χ^2/NDF: 31703.9/30

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

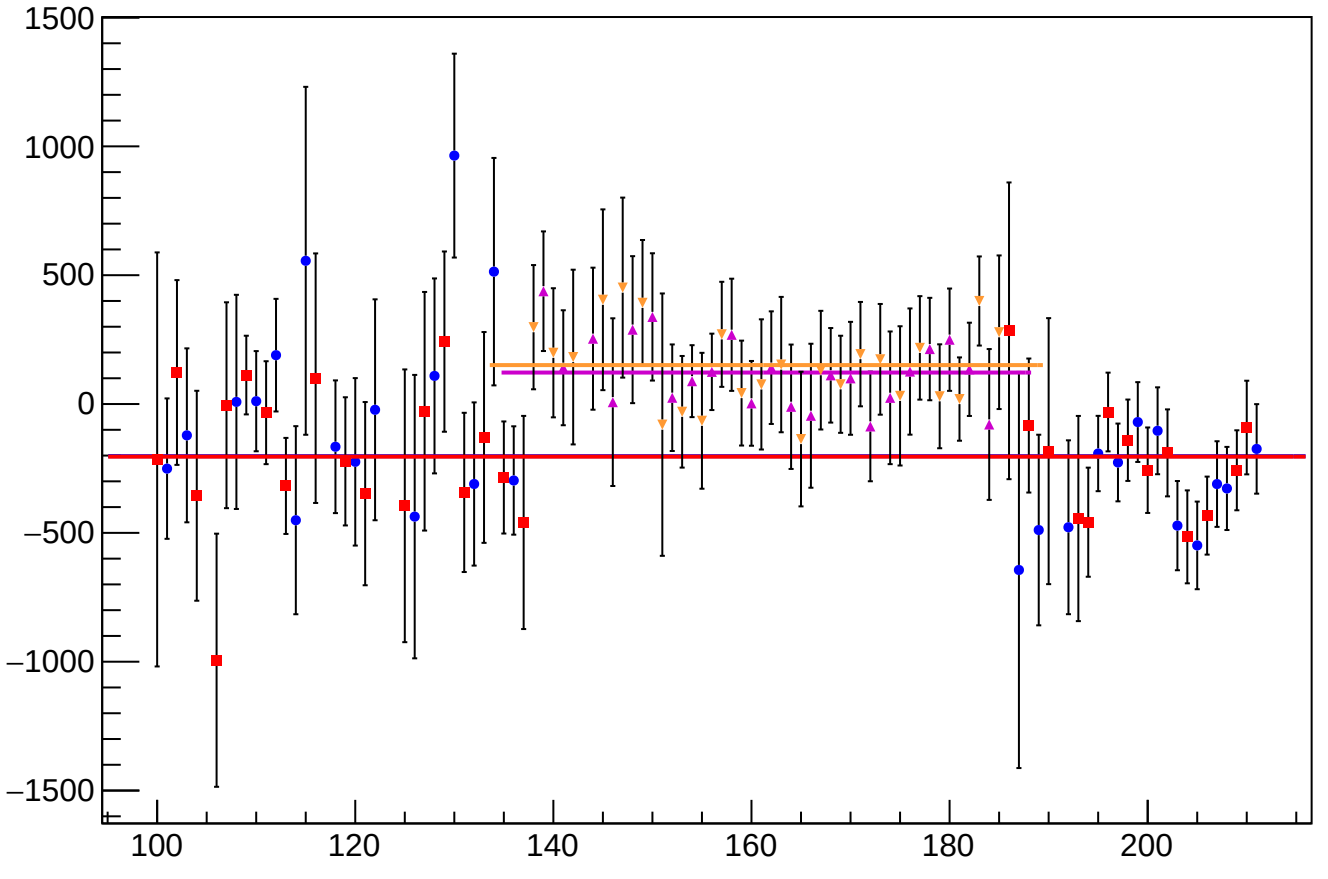
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.309+/-0.003 χ^2/NDF: 55145.5/58

In: 22.372+/-0.003 χ^2/NDF:43596.7/50

Out: 22.431+/-0.003 χ^2/NDF:48840.8/54

All: 22.402+/-0.002 χ^2/NDF: 92689.9/105



Right In: -202.462+/-43.411 χ^2/NDF: 29.5/27

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -204.161+/-42.202 χ^2/NDF: 22.5/30

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

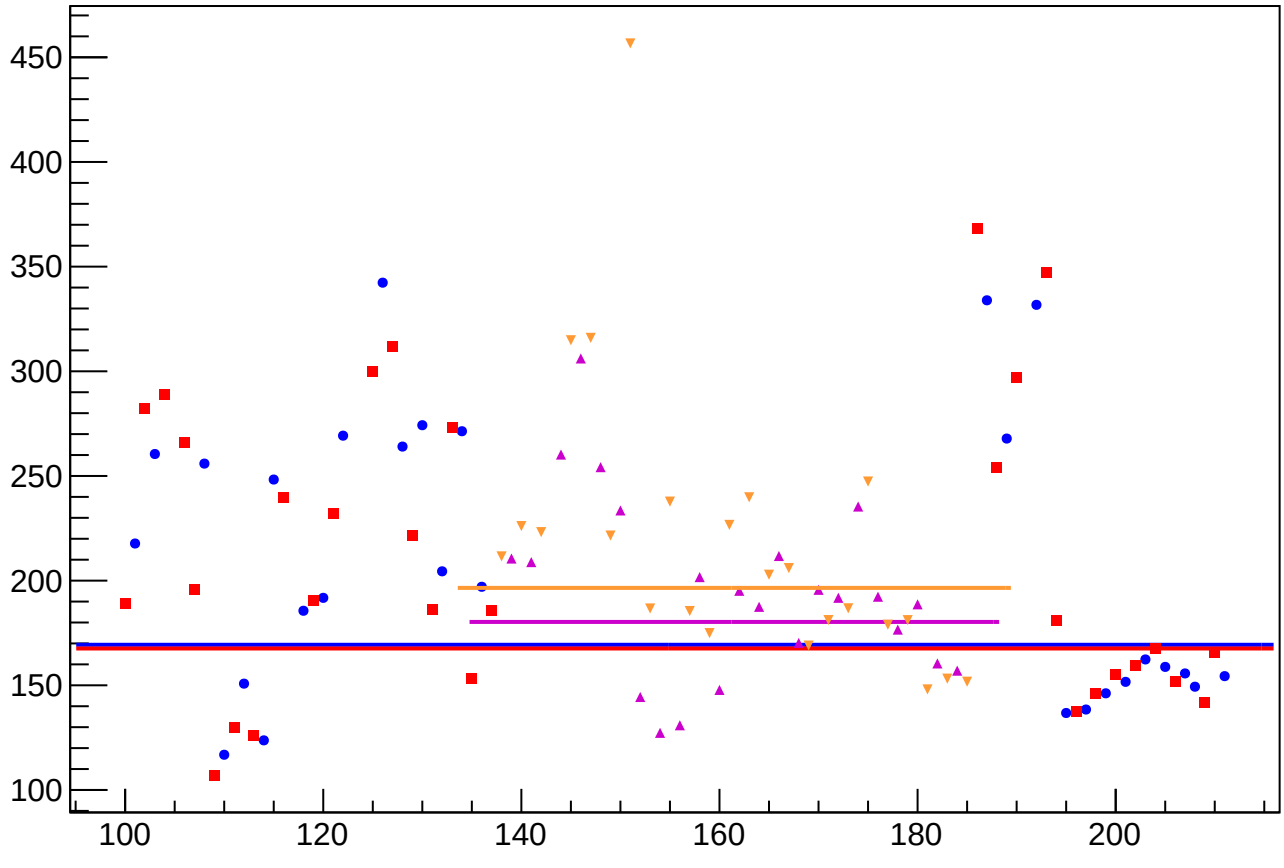
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -203.336+/-30.260 χ^2/NDF: 52.0/58

In: -42.360+/-30.904 χ^2/NDF:64.6/50

Out: -46.756+/-31.495 χ^2/NDF:63.9/54

All: -44.516+/-22.058 χ^2/NDF: 128.4/105



Right In: 169.360+/-0.031 χ^2/NDF: 2288087.1/27

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 167.582+/-0.030 χ^2/NDF: 2819276.3/30

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

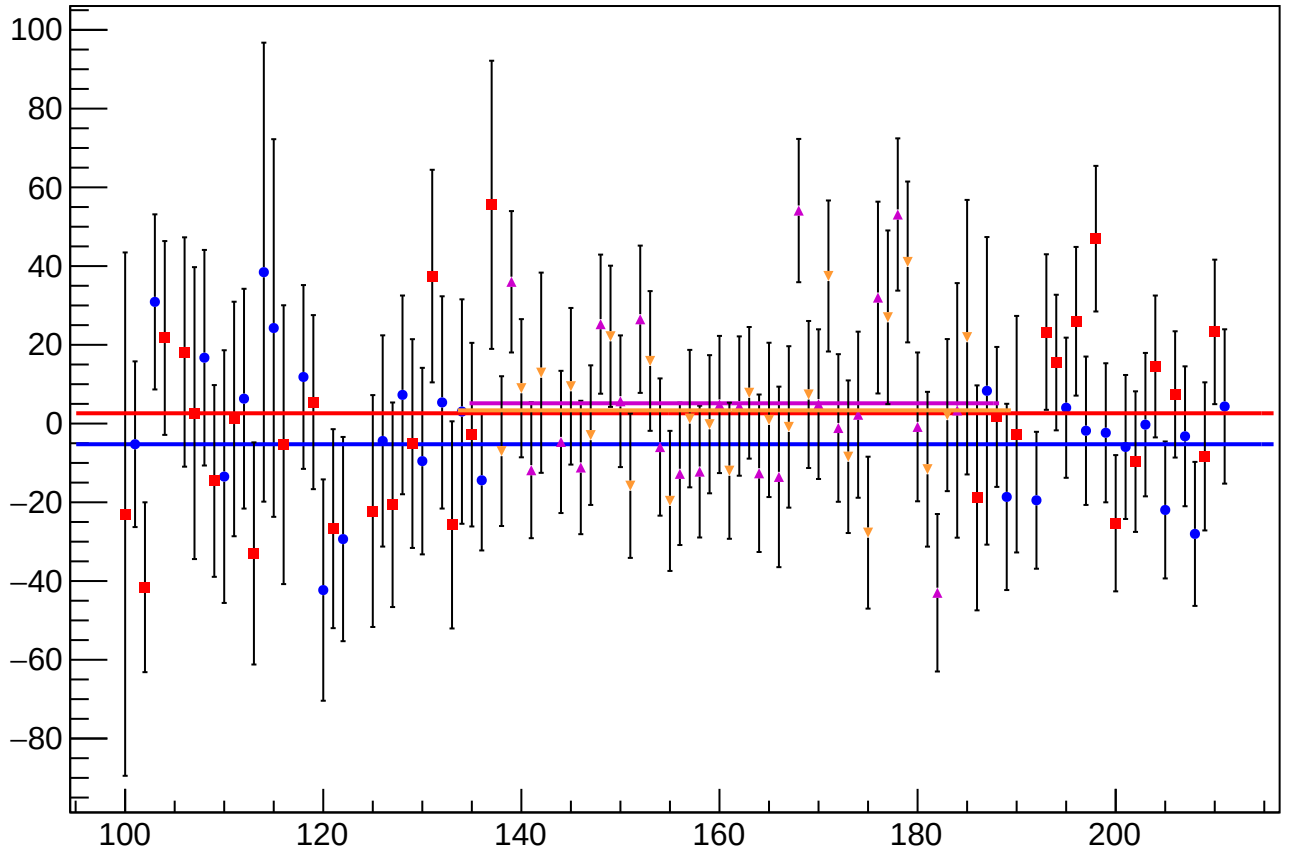
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 168.446+/-0.021 χ^2/NDF: 5109087.8/58

In: 174.743+/-0.022 χ^2/NDF:3975126.4/50

Out: 180.409+/-0.022 χ^2/NDF:4964195.7/54

All: 177.522+/-0.016 χ^2/NDF: 8972305.6/105



Right In: -5.251+/-4.200 χ^2/NDF: 12.6/27

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 2.613+/-4.073 χ^2/NDF: 30.0/30

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

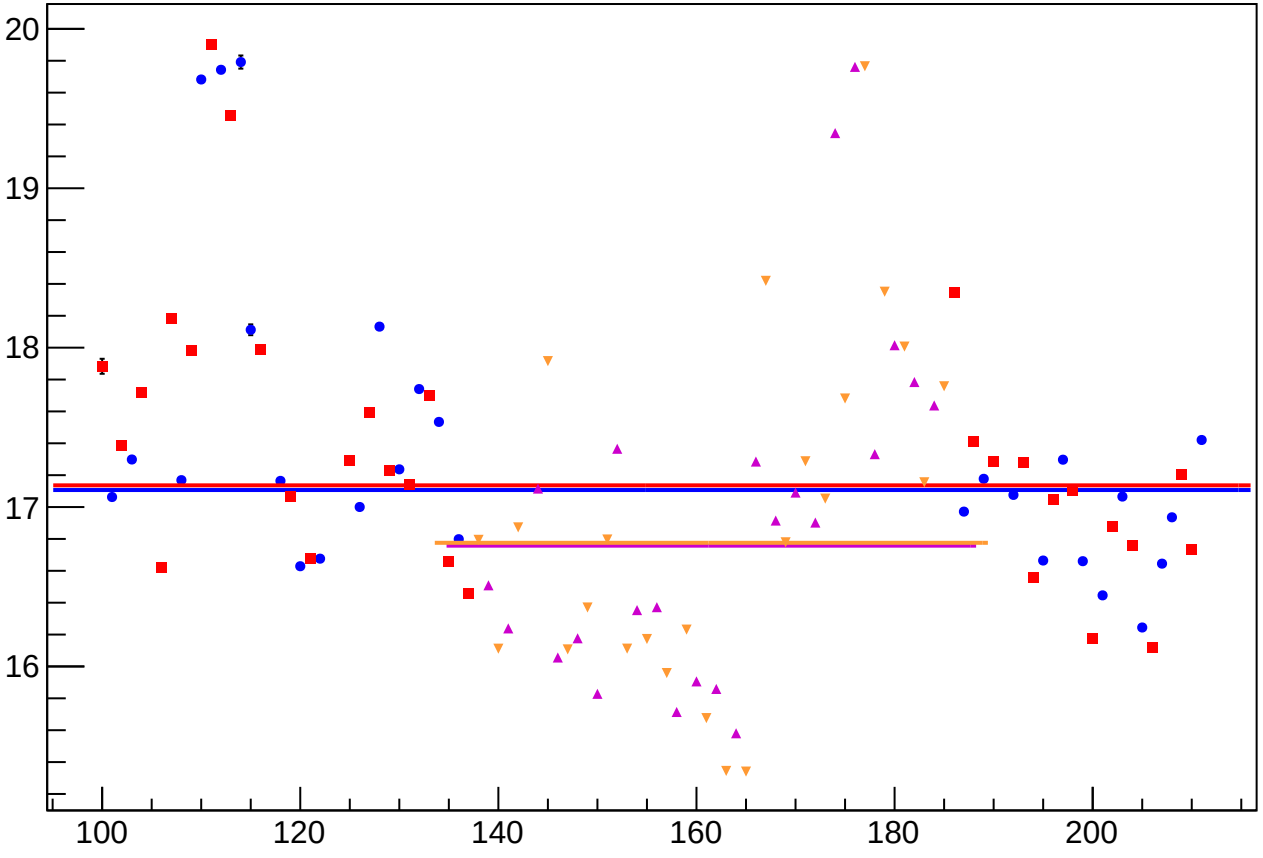
Right: -1.198+/-2.924 χ^2/NDF: 44.5/58

In: 0.303+/-2.868 χ^2/NDF:48.2/50

Out: 3.002+/-2.819 χ^2/NDF:47.8/54

All: 1.676+/-2.010 χ^2/NDF: 96.4/105

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.107+/-0.003 χ^2/NDF: 55040.3/27

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.136+/-0.003 χ^2/NDF: 65036.4/30

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

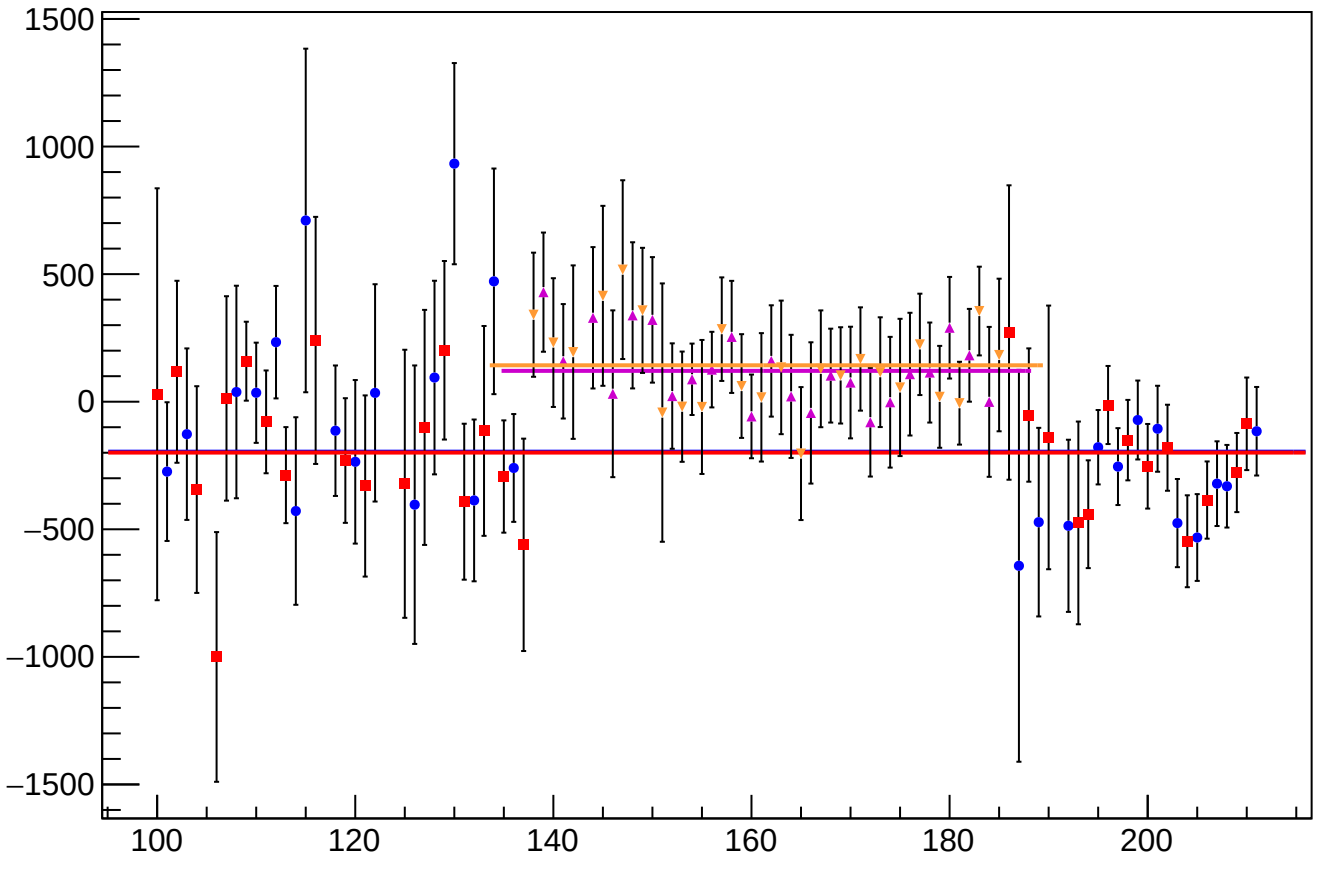
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.122+/-0.002 χ^2/NDF: 120127.1/58

In: 16.920+/-0.002 χ^2/NDF:185719.8/50

Out: 16.948+/-0.002 χ^2/NDF:209340.3/54

All: 16.935+/-0.001 χ^2/NDF: 395156.3/105



Right In: -195.813+/-43.409 χ^2/NDF: 30.7/27

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -199.354+/-42.251 χ^2/NDF: 24.0/30

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

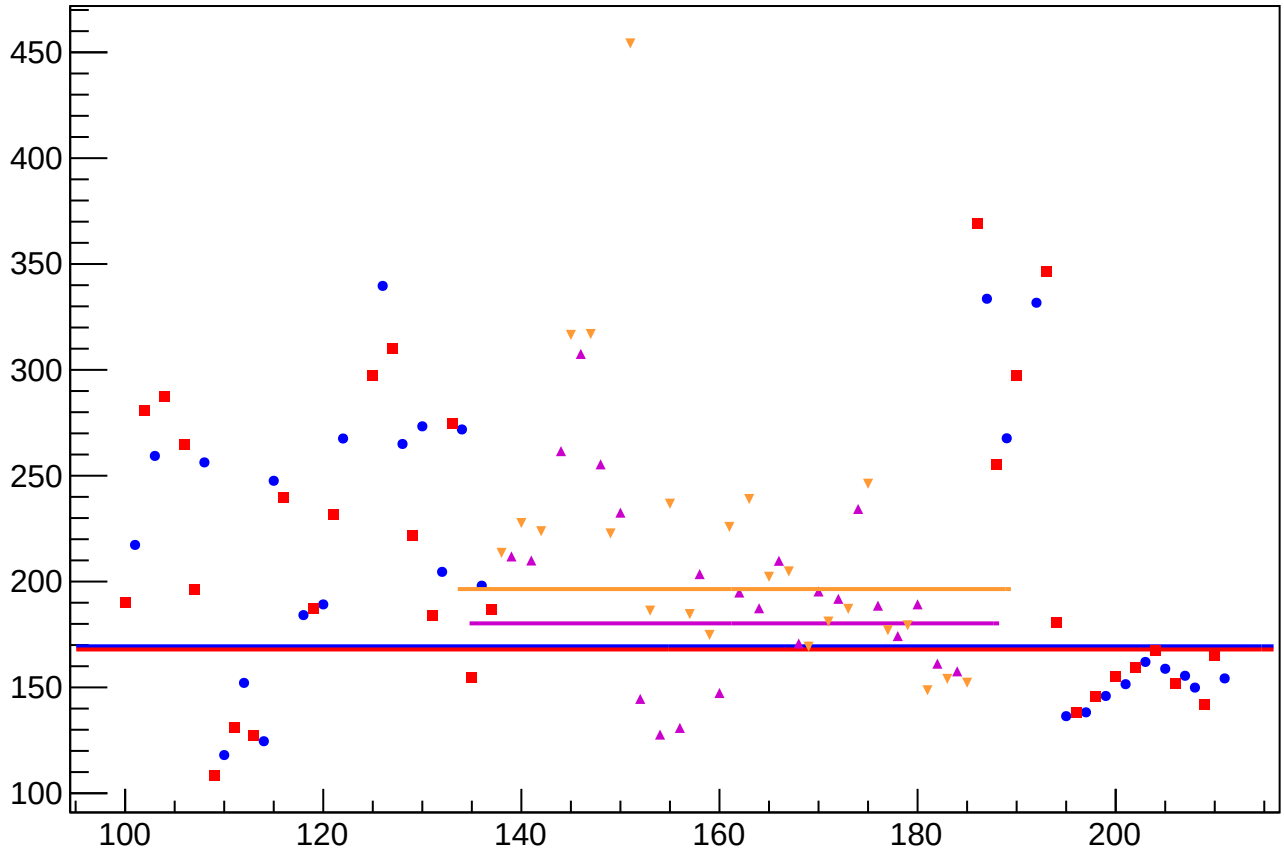
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -197.631+/-30.277 χ^2/NDF: 54.7/58

In: -39.584+/-30.900 χ^2/NDF:65.1/50

Out: -47.510+/-31.507 χ^2/NDF:63.3/54

All: -43.470+/-22.061 χ^2/NDF: 128.4/105



Right In: 169.408+/-0.031 χ^2/NDF: 2270341.2/27

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 167.914+/-0.030 χ^2/NDF: 2769505.9/30

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

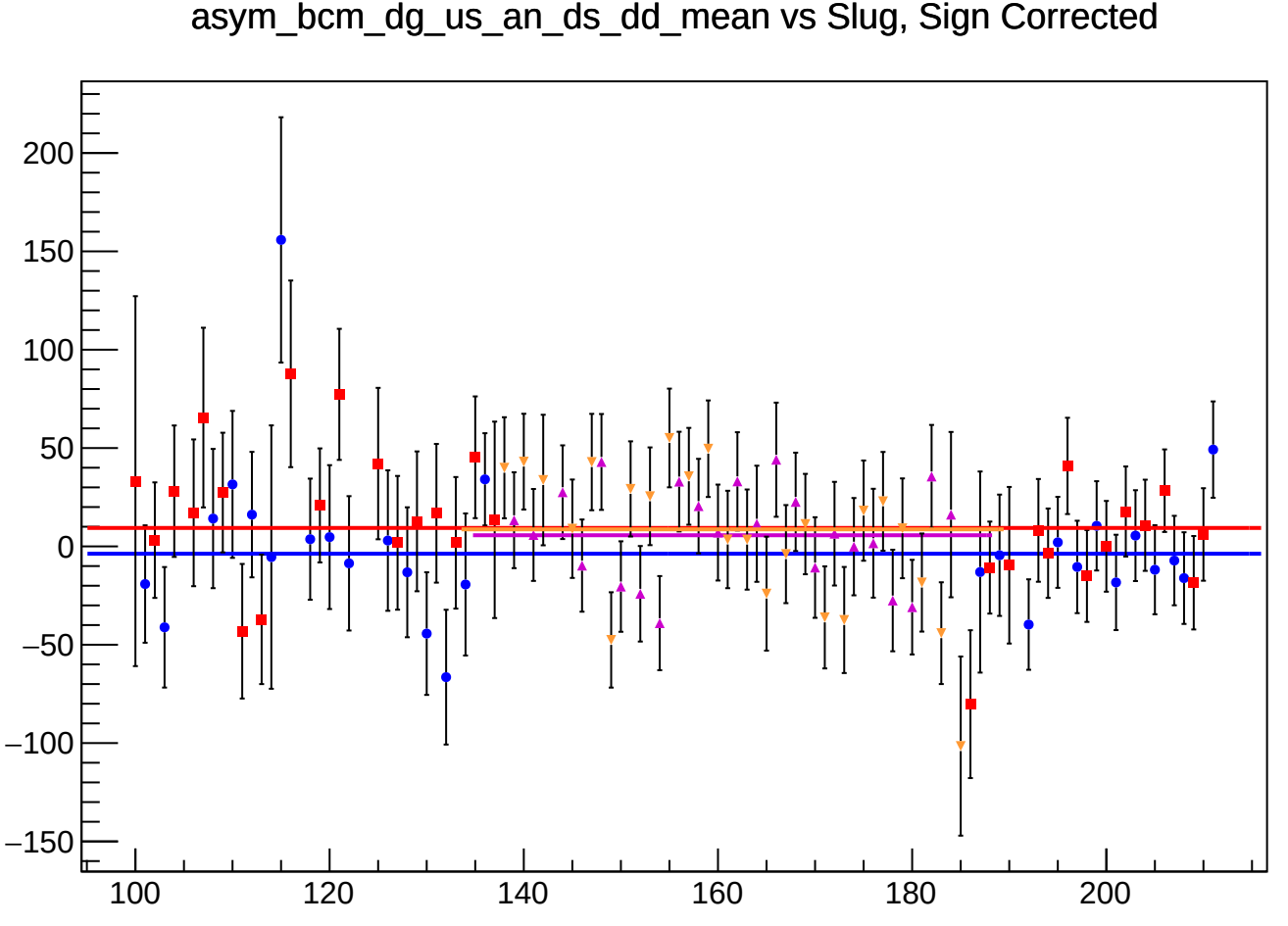
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 168.641+/-0.021 χ^2/NDF: 5041064.5/58

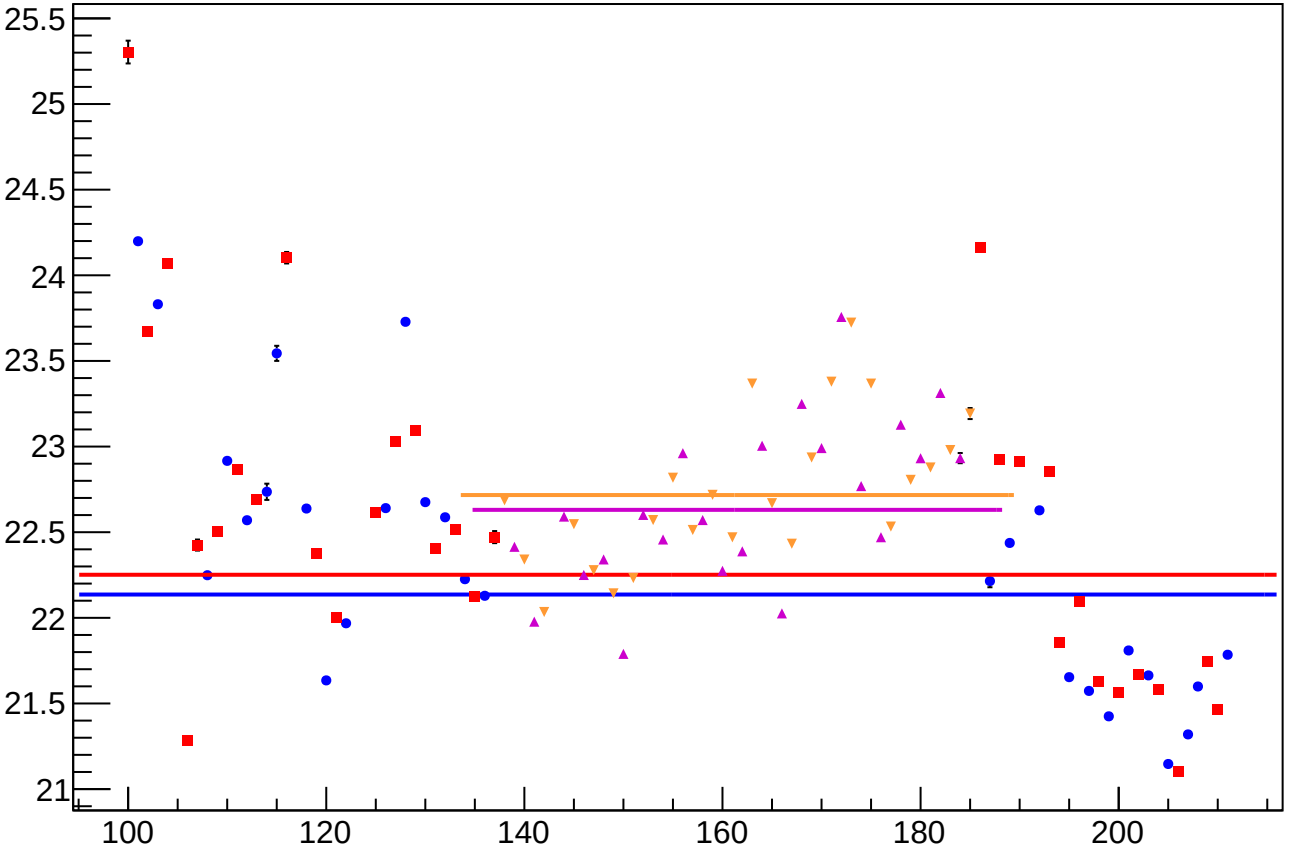
In: 174.756+/-0.022 χ^2/NDF:3959635.6/50

Out: 180.583+/-0.022 χ^2/NDF:4898090.9/54

All: 177.612+/-0.016 χ^2/NDF: 8892597.4/105


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -3.740+/-5.430 χ²/NDF: 26.6/27
Left Out: 8.664+/-5.275 χ²/NDF:39.2/23
Right Out: 9.377+/-5.285 χ²/NDF: 28.2/30
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.169+/-3.734 χ²/NDF: 60.1/46
Right: 2.997+/-3.787 χ²/NDF: 57.8/58
In: 1.090+/-3.788 χ²/NDF:48.9/50
Out: 9.020+/-3.733 χ²/NDF:67.4/54
All: 5.113+/-2.659 χ²/NDF: 118.5/105

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.136+/-0.004 χ^2/NDF: 39250.4/27

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.252+/-0.004 χ^2/NDF: 45399.9/30

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

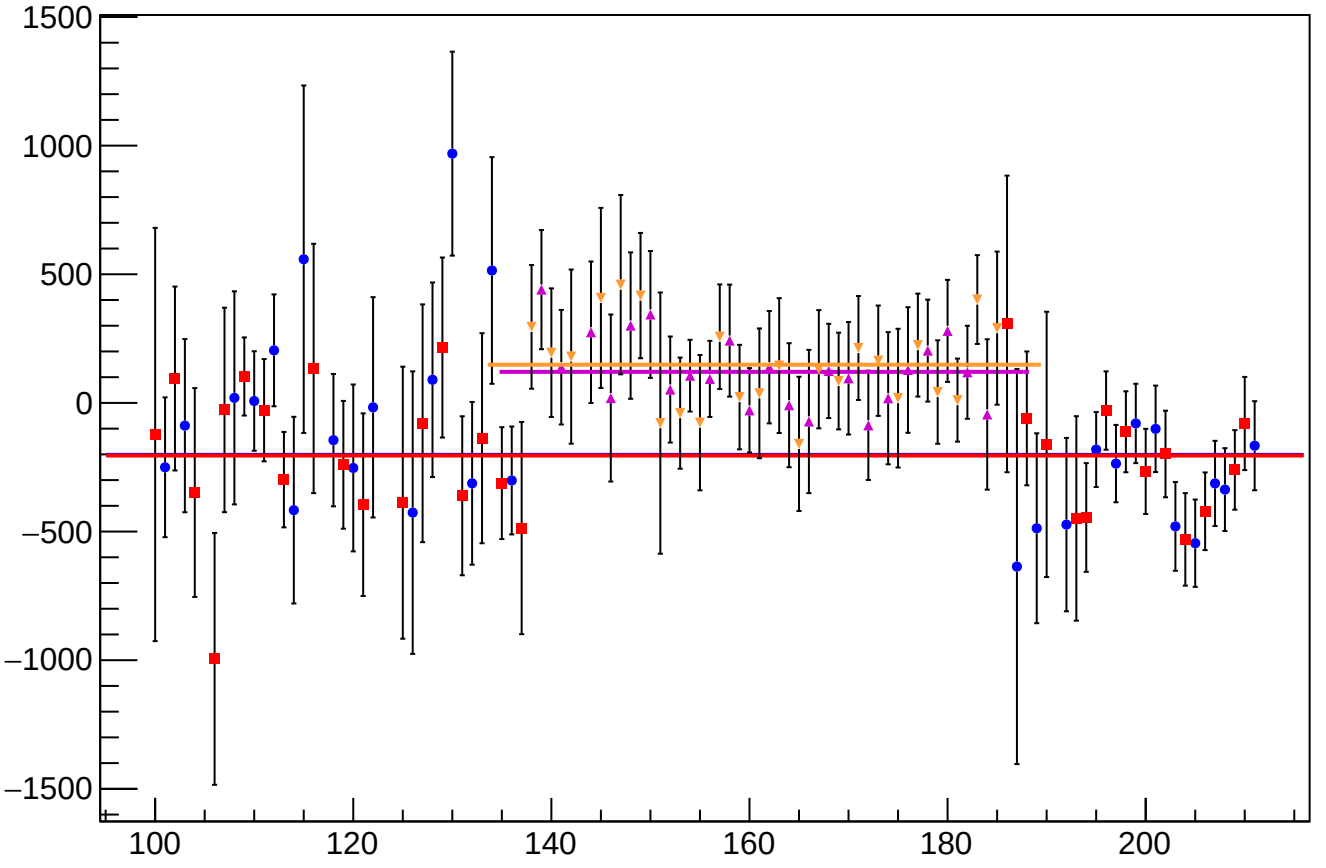
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.195+/-0.003 χ^2/NDF: 85114.5/58

In: 22.390+/-0.003 χ^2/NDF:63154.9/50

Out: 22.485+/-0.003 χ^2/NDF:65348.6/54

All: 22.438+/-0.002 χ^2/NDF: 129138.0/105



Right In: -202.014+/-43.276 χ^2/NDF: 30.0/27

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -204.494+/-42.073 χ^2/NDF: 22.7/30

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

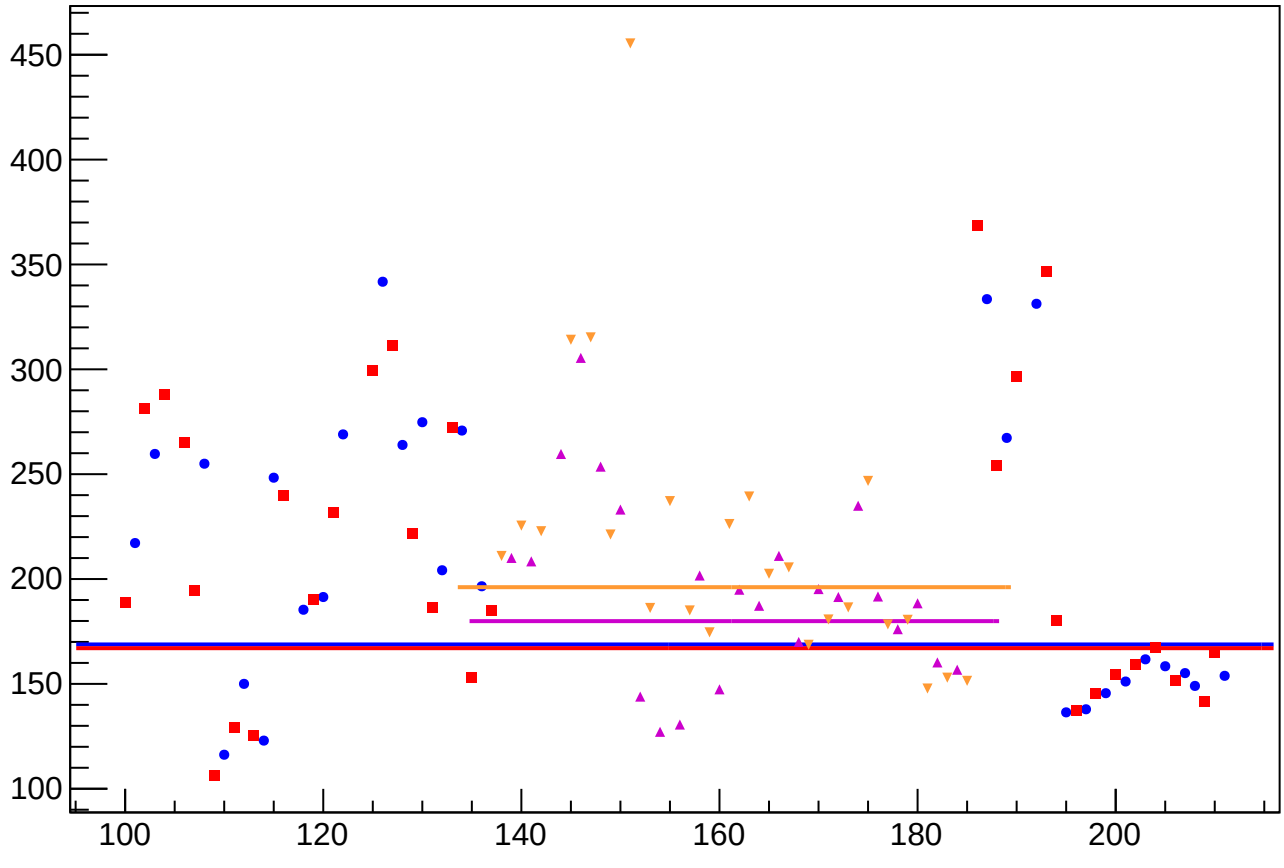
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -203.289+/-30.167 χ^2/NDF: 52.7/58

In: -43.009+/-30.826 χ^2/NDF:65.3/50

Out: -48.285+/-31.411 χ^2/NDF:64.8/54

All: -45.598+/-22.001 χ^2/NDF: 130.1/105



Right In: 168.802+/-0.031 χ^2/NDF: 2300933.1/27

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.024+/-0.030 χ^2/NDF: 2837234.3/30

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

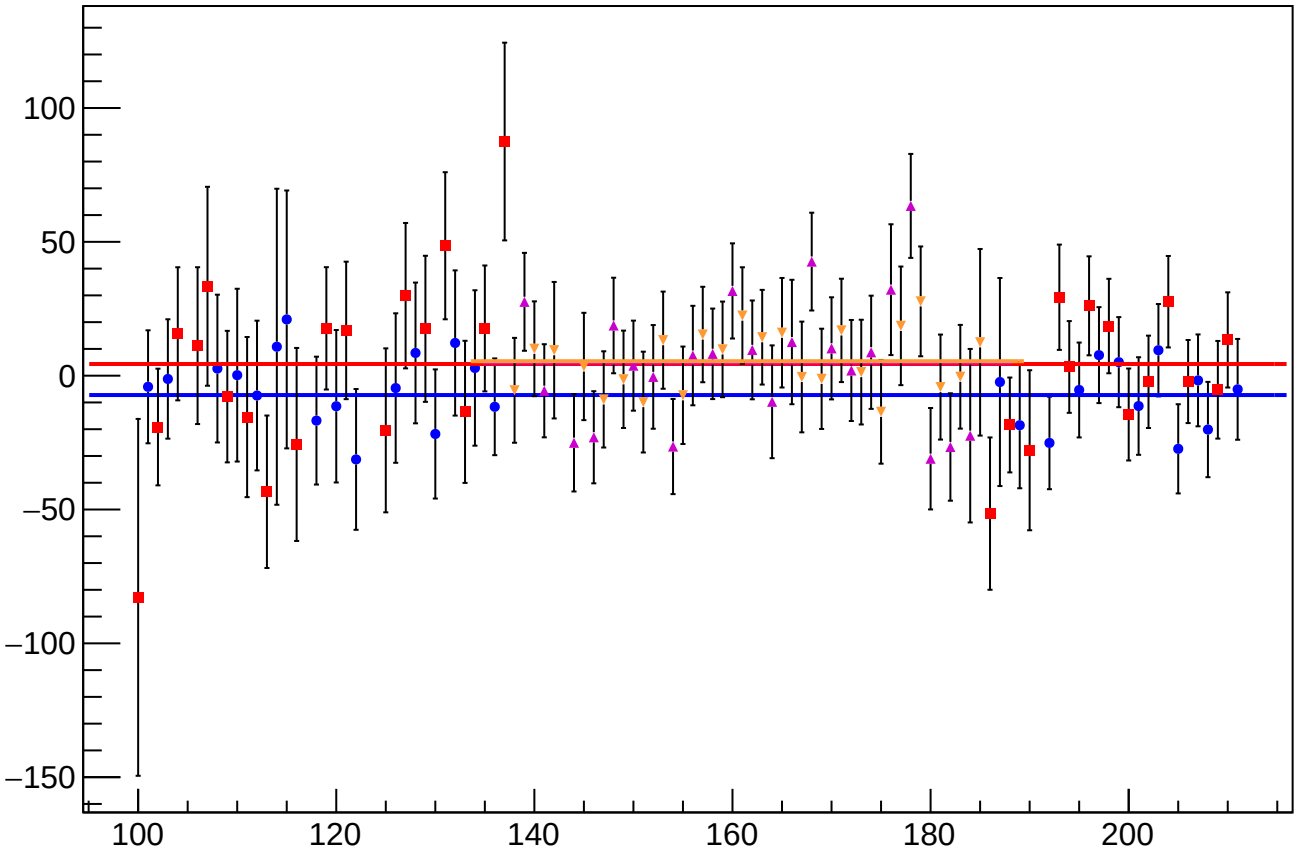
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 167.888+/-0.021 χ^2/NDF: 5139903.4/58

In: 174.281+/-0.022 χ^2/NDF:3990142.9/50

Out: 179.899+/-0.022 χ^2/NDF:4986668.6/54

All: 177.037+/-0.016 χ^2/NDF: 9009405.4/105



Right In: -7.234+/-4.153 χ^2/NDF: 8.8/27

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.367+/-4.041 χ^2/NDF: 32.9/30

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

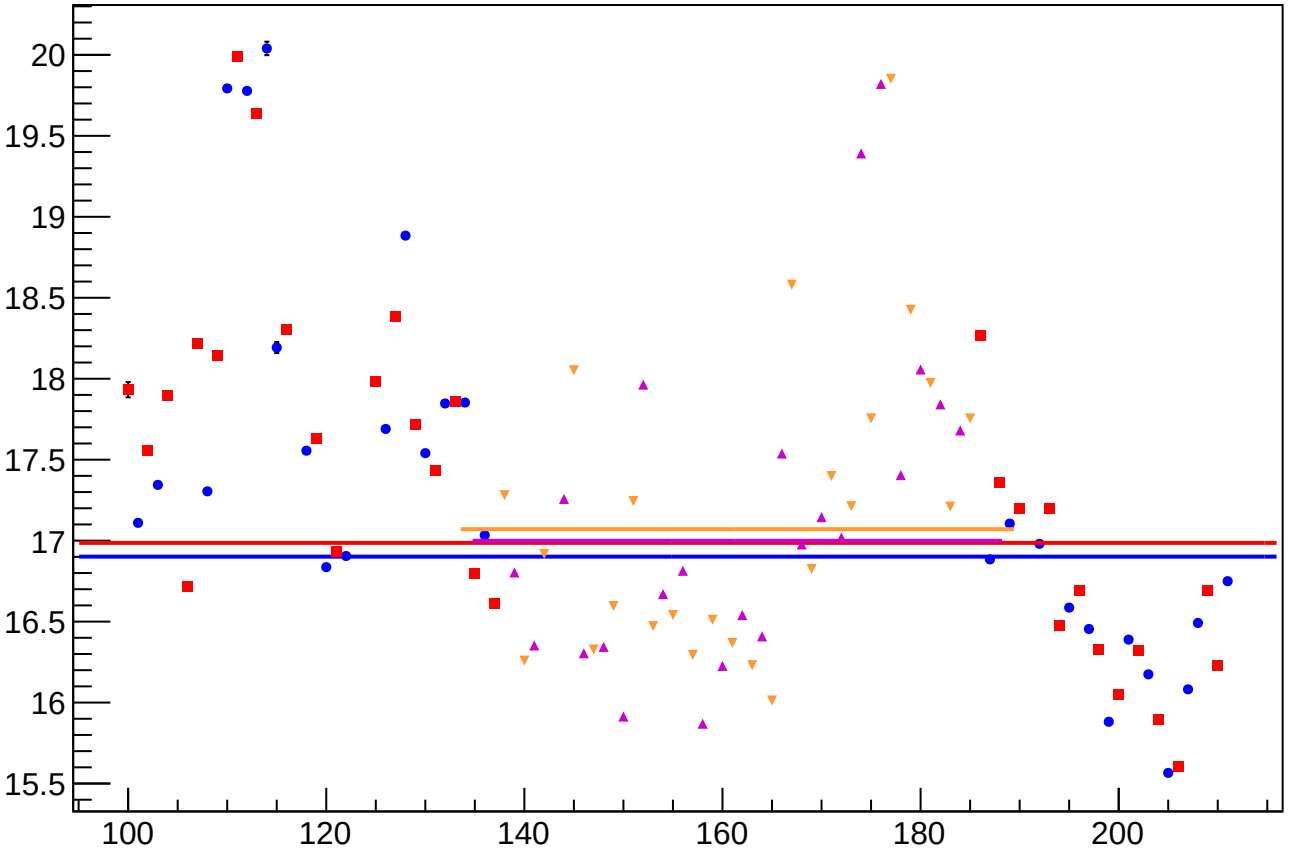
Right: -1.274+/-2.896 χ^2/NDF: 45.7/58

In: -0.931+/-2.874 χ^2/NDF:48.7/50

Out: 4.896+/-2.833 χ^2/NDF:40.8/54

All: 2.024+/-2.017 χ^2/NDF: 91.6/105

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.901+/-0.003 χ^2/NDF: 99425.7/27

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.986+/-0.003 χ^2/NDF: 112321.9/30

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

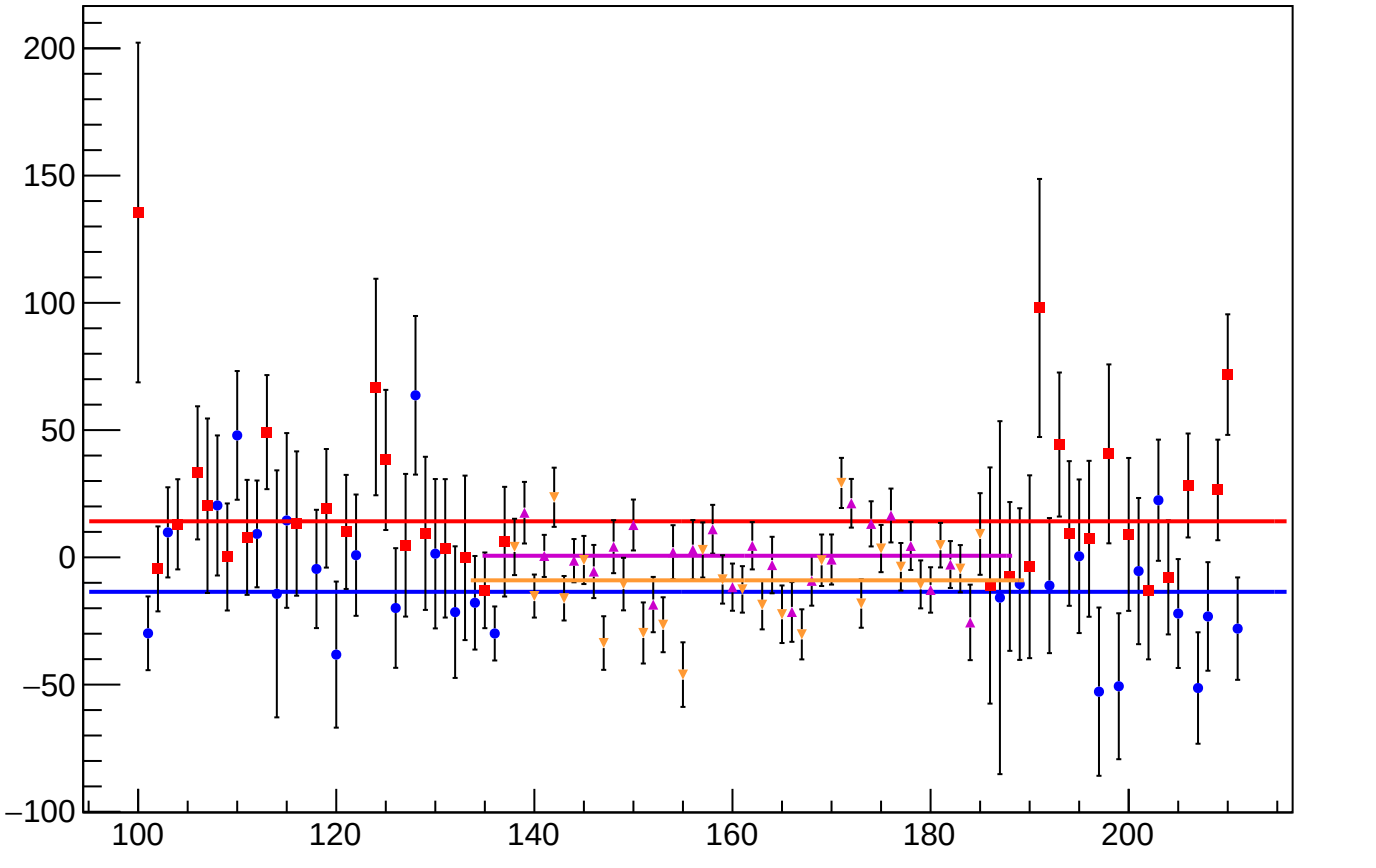
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

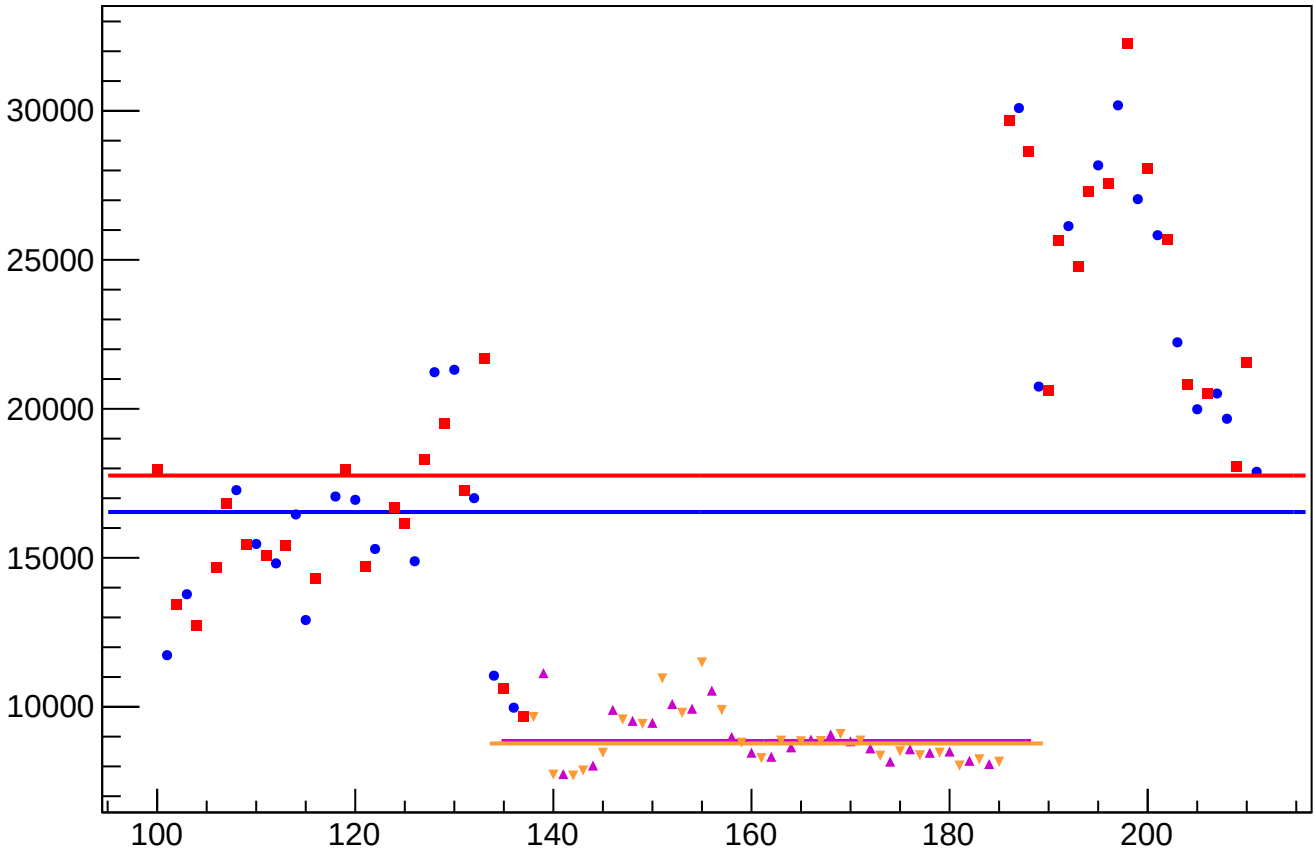
Right: 16.945+/-0.002 χ^2/NDF: 212177.4/58

In: 16.952+/-0.002 χ^2/NDF:204021.2/50

Out: 17.029+/-0.002 χ^2/NDF:209079.7/54

All: 16.991+/-0.001 χ^2/NDF: 413831.4/105


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: -13.544+/-4.286 χ²/NDF: 32.1/27
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 14.168+/-4.377 χ²/NDF: 28.8/32
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.020+/-3.062 χ²/NDF: 81.4/60
In: -2.072+/-1.871 χ²/NDF:70.4/50
Out: -5.000+/-1.824 χ²/NDF:114.0/57
All: -3.573+/-1.306 χ²/NDF: 185.7/108



Right In: 16536.726+/-3.031 χ^2/NDF: 3146707.7/27

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17760.966+/-3.095 χ^2/NDF: 3146971.0/32

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

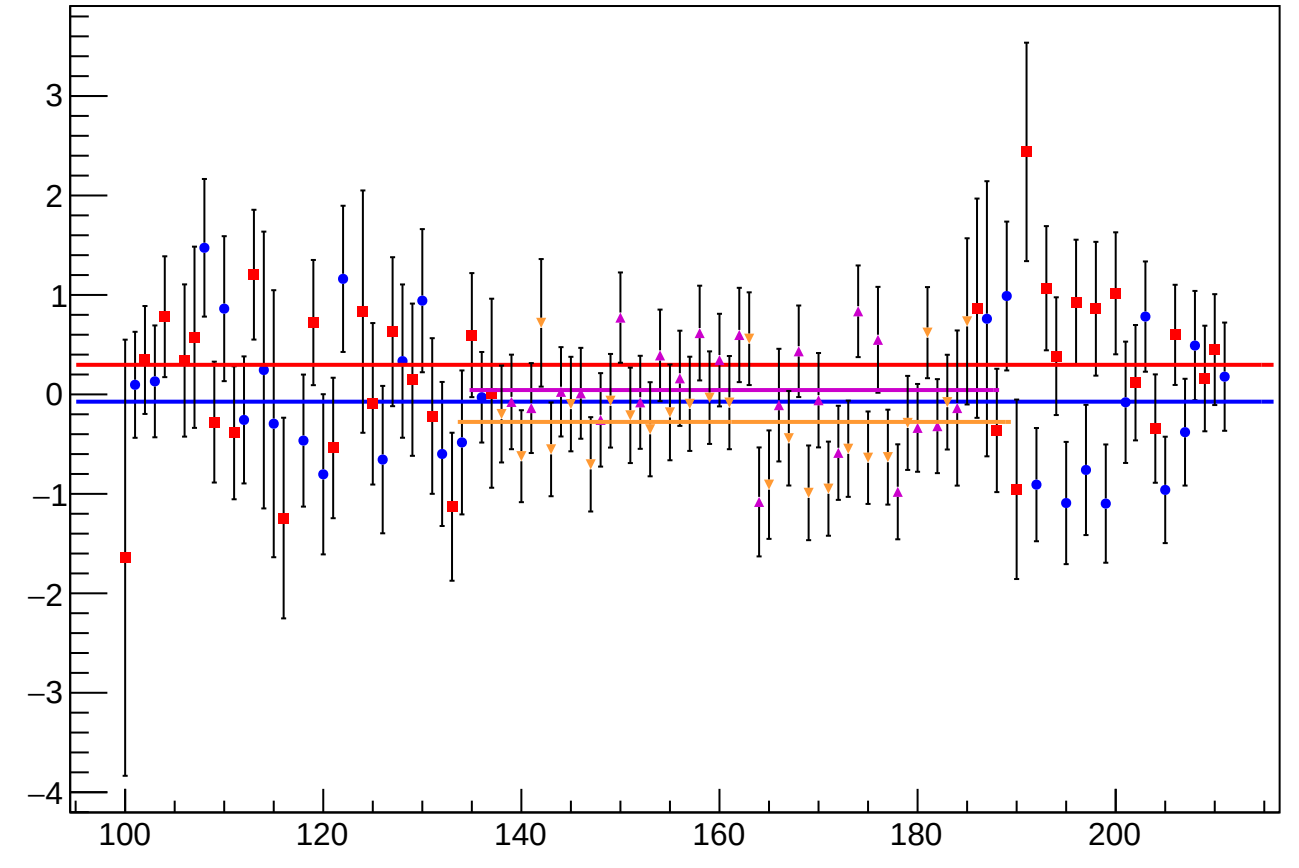
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17135.931+/-2.165 χ^2/NDF: 6373550.9/60

In: 10316.785+/-1.323 χ^2/NDF:8650378.9/50

Out: 10331.363+/-1.290 χ^2/NDF:10464529.6/57

All: 10324.259+/-0.923 χ^2/NDF: 19114970.8



Right In: -0.073+/-0.122 χ^2/NDF: 32.9/27

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.297+/-0.119 χ^2/NDF: 28.4/32

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

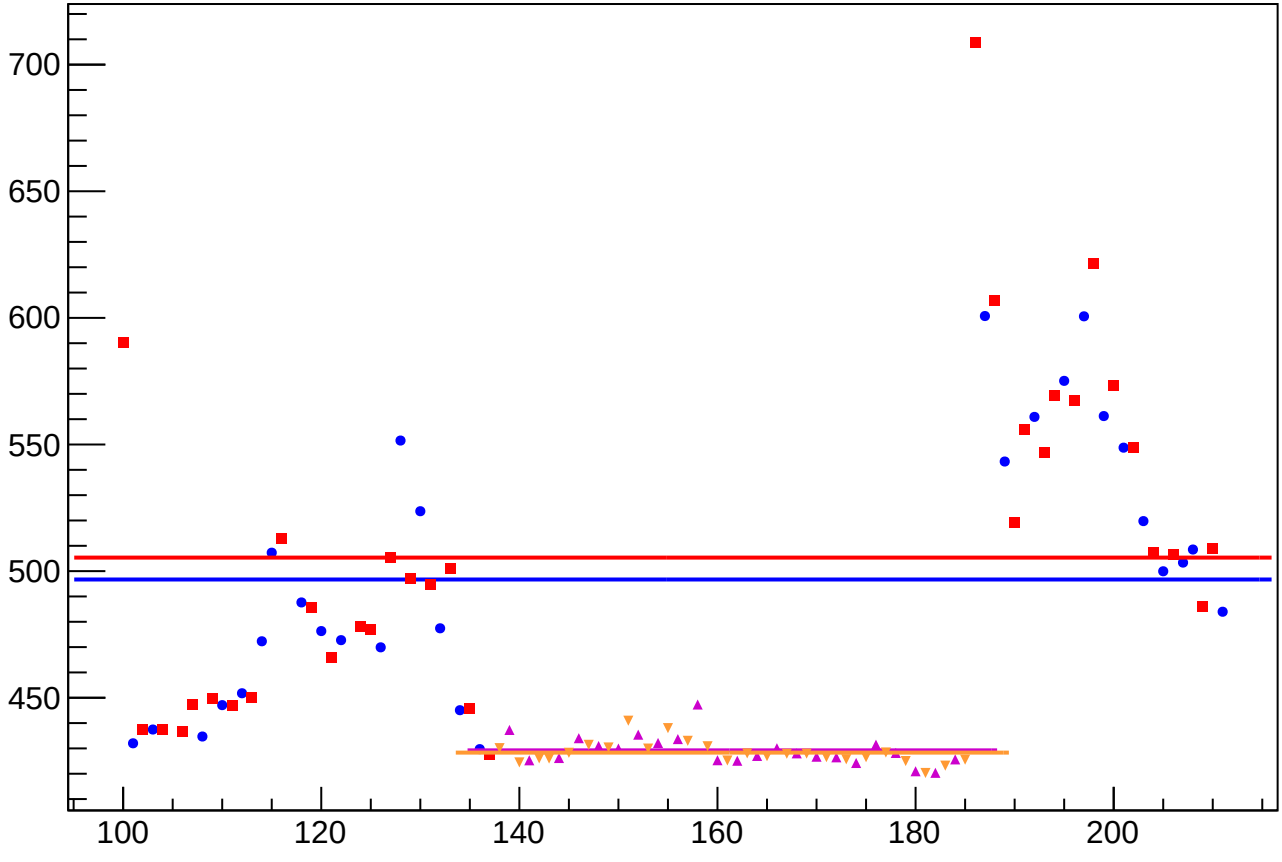
Right: 0.117+/-0.085 χ^2/NDF: 65.9/60

In: -0.003+/-0.078 χ^2/NDF:57.2/50

Out: -0.047+/-0.075 χ^2/NDF:63.3/57

All: -0.026+/-0.054 χ^2/NDF: 120.7/108

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 496.698+/-0.087 χ^2/NDF: 333282.8/27

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.346+/-0.084 χ^2/NDF: 449874.8/32

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

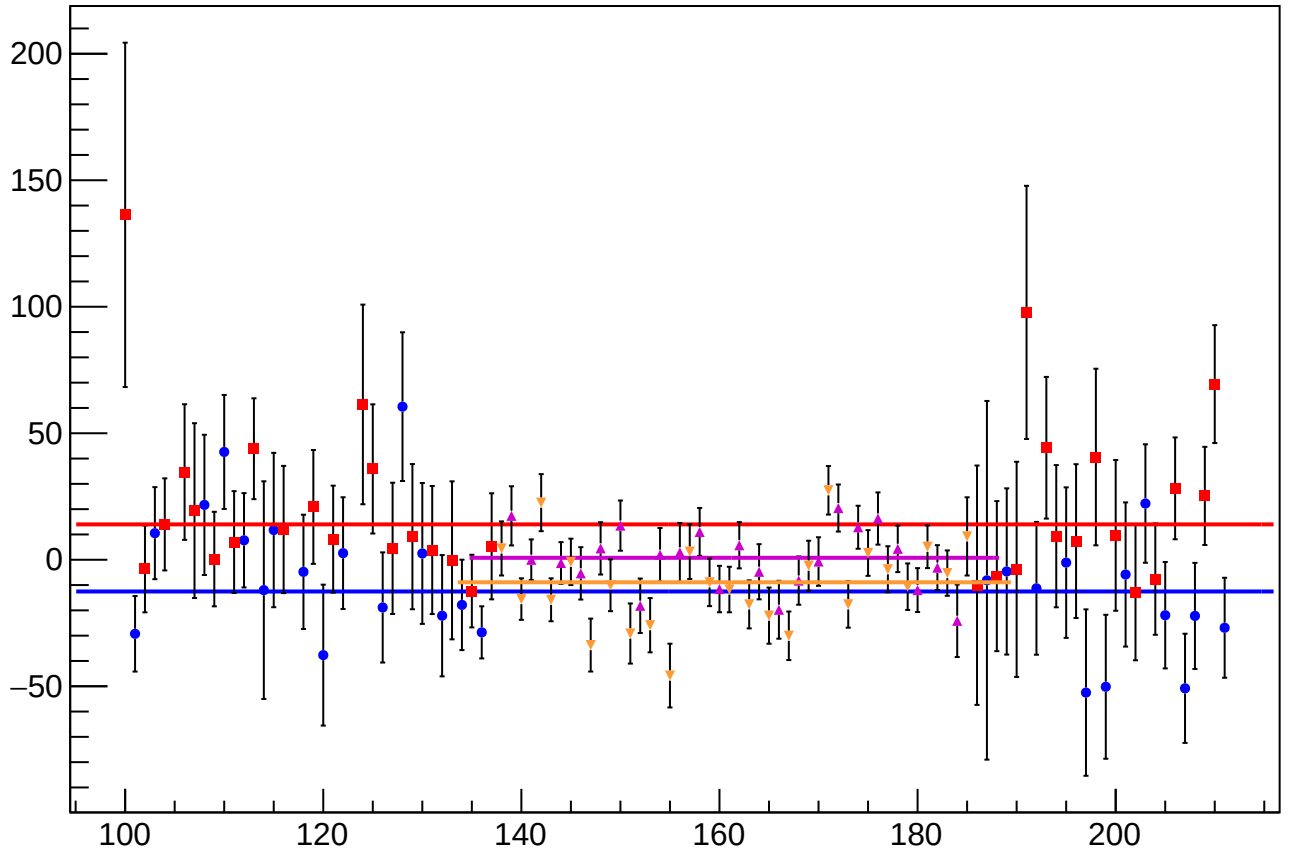
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

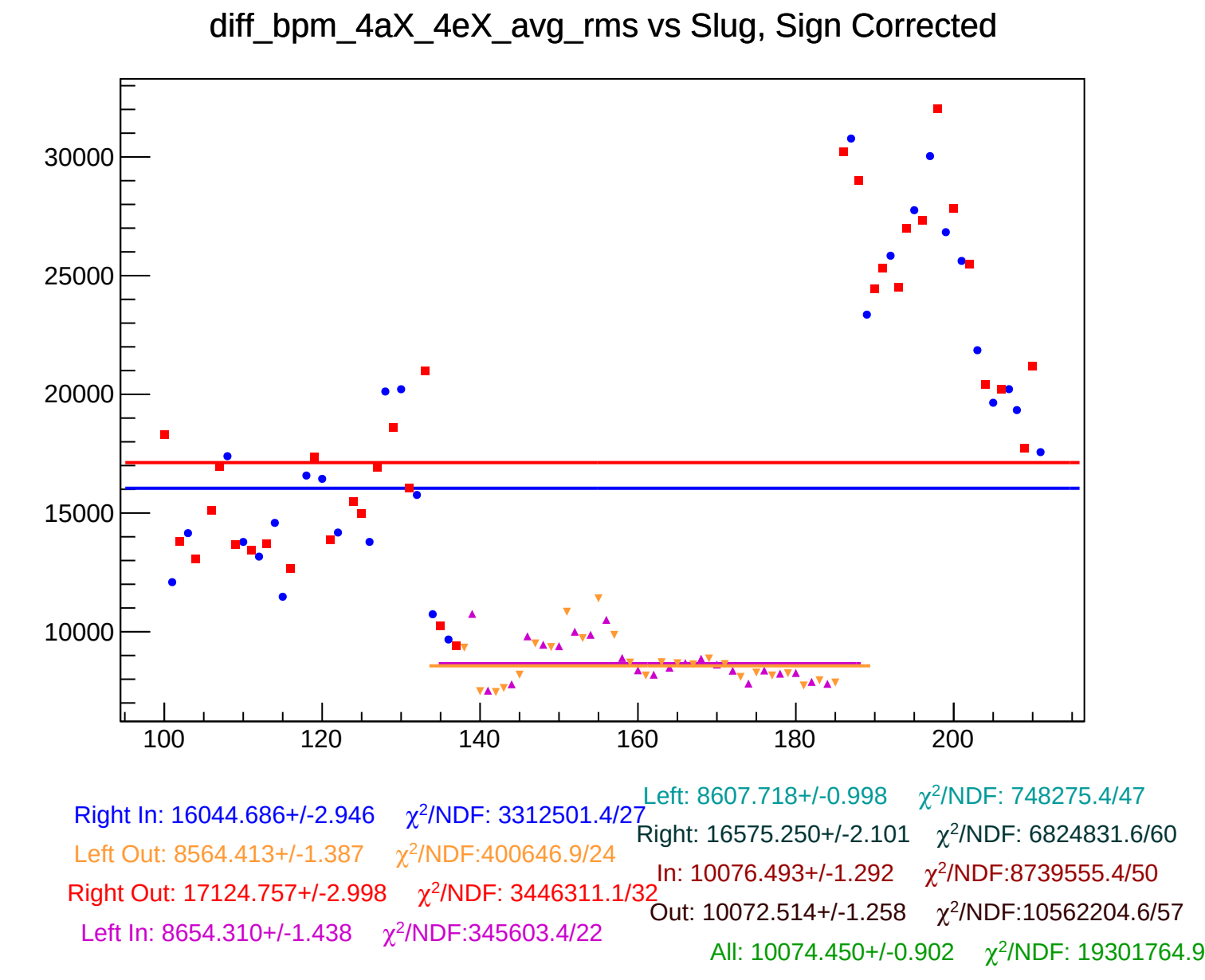
Right: 501.131+/-0.060 χ^2/NDF: 788273.0/60

In: 456.304+/-0.055 χ^2/NDF:703707.8/50

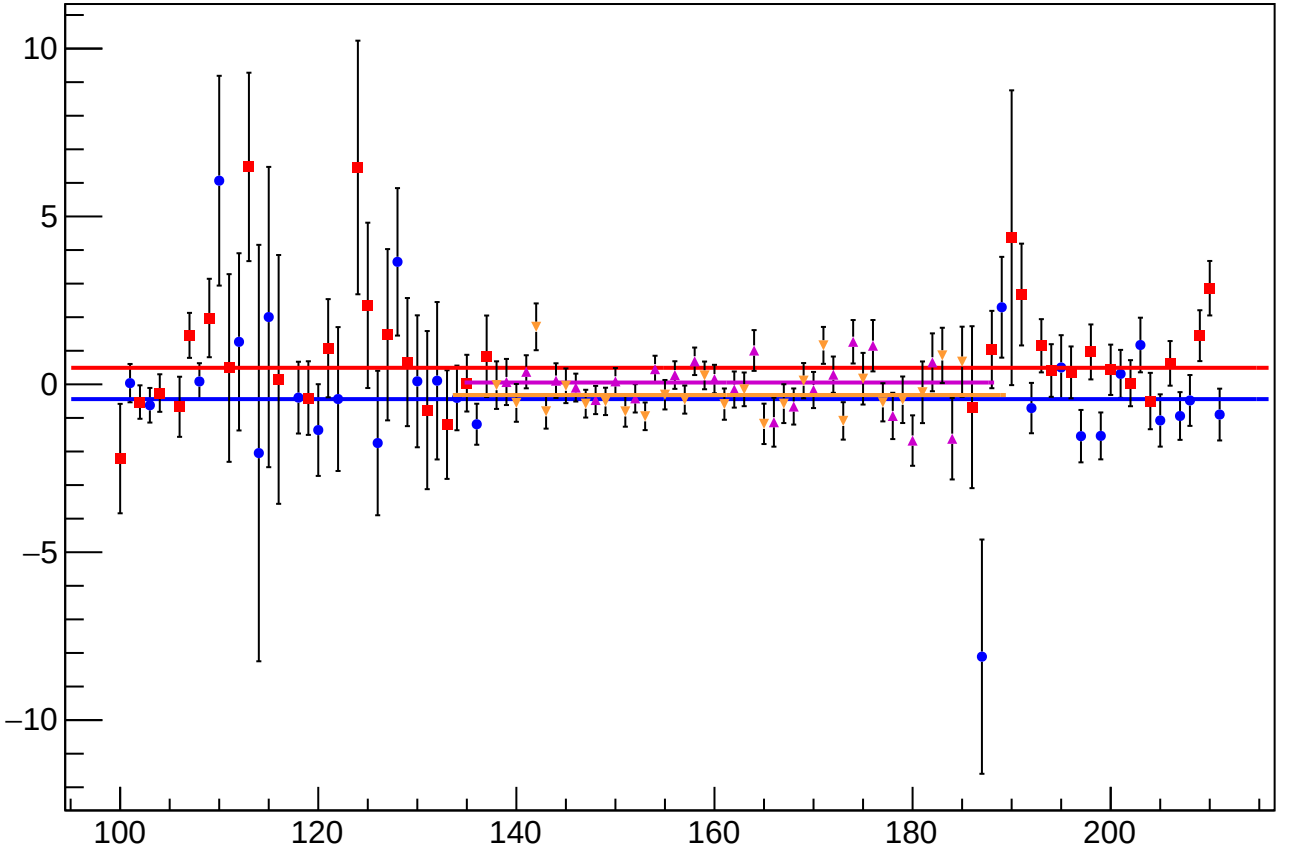
Out: 459.083+/-0.053 χ^2/NDF:953898.0/57

All: 457.732+/-0.038 χ^2/NDF: 1658925.8/108


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -12.537+/-4.167 χ²/NDF: 32.6/27
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 13.983+/-4.240 χ²/NDF: 28.3/32
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.491+/-2.972 χ²/NDF: 80.8/60
In: -1.789+/-1.828 χ²/NDF:70.2/50
Out: -4.872+/-1.780 χ²/NDF:113.8/57
All: -3.371+/-1.275 χ²/NDF: 185.5/108


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16044.686+/-2.946 χ²/NDF: 3312501.4/27
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17124.757+/-2.998 χ²/NDF: 3446311.1/32
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16575.250+/-2.101 χ²/NDF: 6824831.6/60
In: 10076.493+/-1.292 χ²/NDF:8739555.4/50
Out: 10072.514+/-1.258 χ²/NDF:10562204.6/57
All: 10074.450+/-0.902 χ²/NDF: 19301764.9

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.440+/-0.171 χ^2/NDF: 33.0/27

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.493+/-0.168 χ^2/NDF: 40.9/32

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

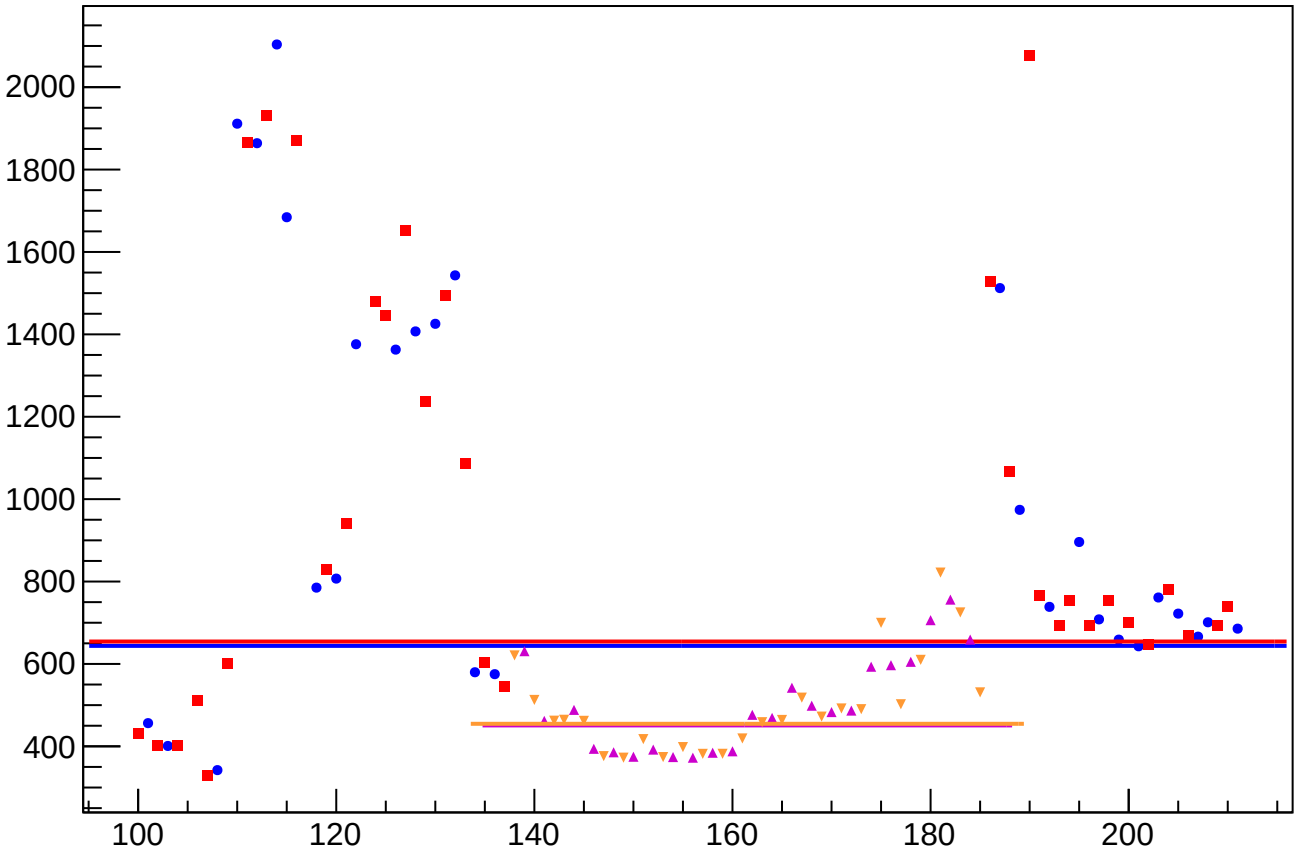
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.033+/-0.120 χ^2/NDF: 89.1/60

In: -0.088+/-0.091 χ^2/NDF:68.8/50

Out: -0.087+/-0.090 χ^2/NDF:89.8/57

All: -0.087+/-0.064 χ^2/NDF: 158.6/108



Right In: 643.856+/-0.121 χ^2/NDF: 4141975.3/27

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 654.420+/-0.119 χ^2/NDF: 4729973.7/32

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

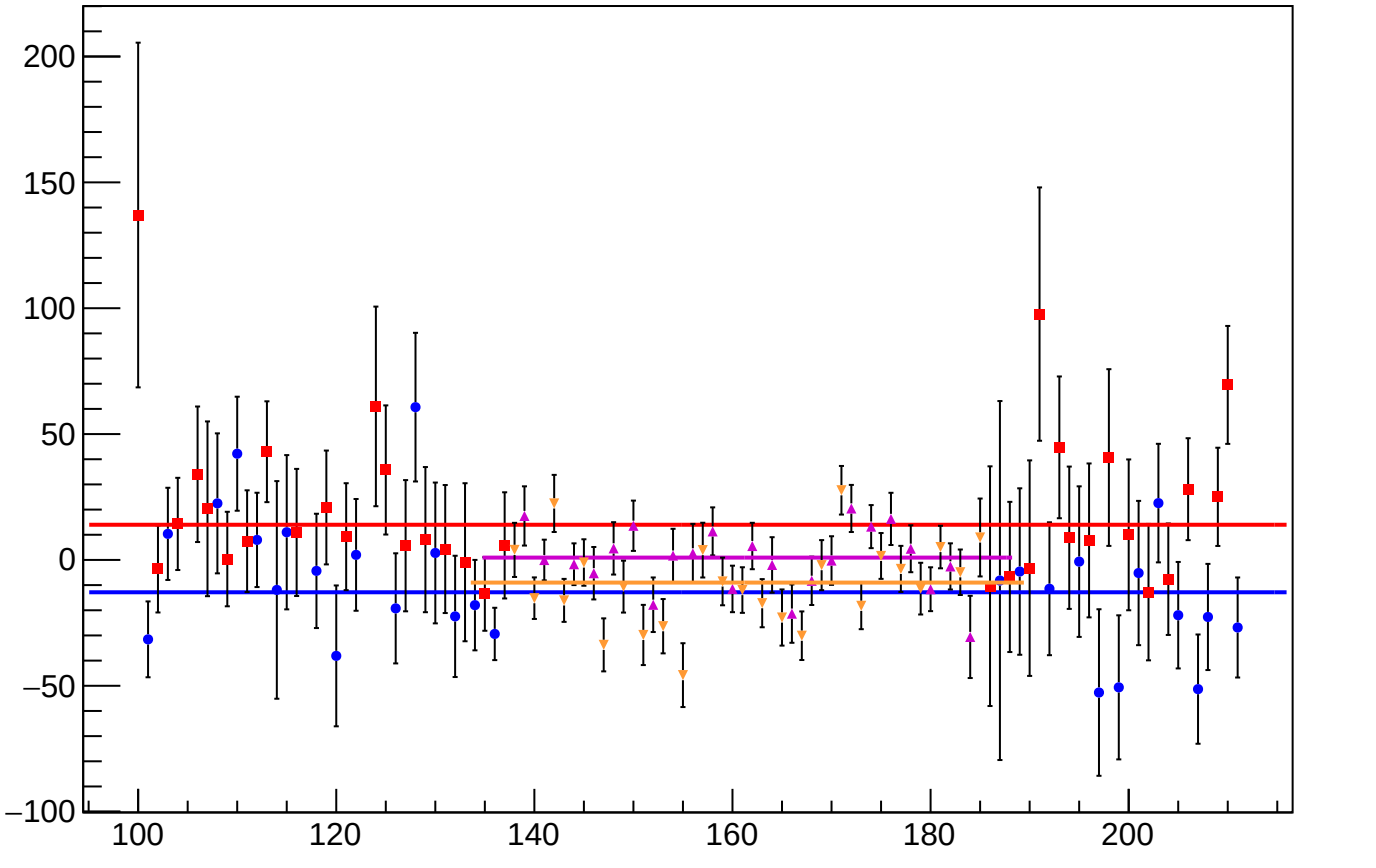
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 649.215+/-0.085 χ^2/NDF: 8875841.7/60

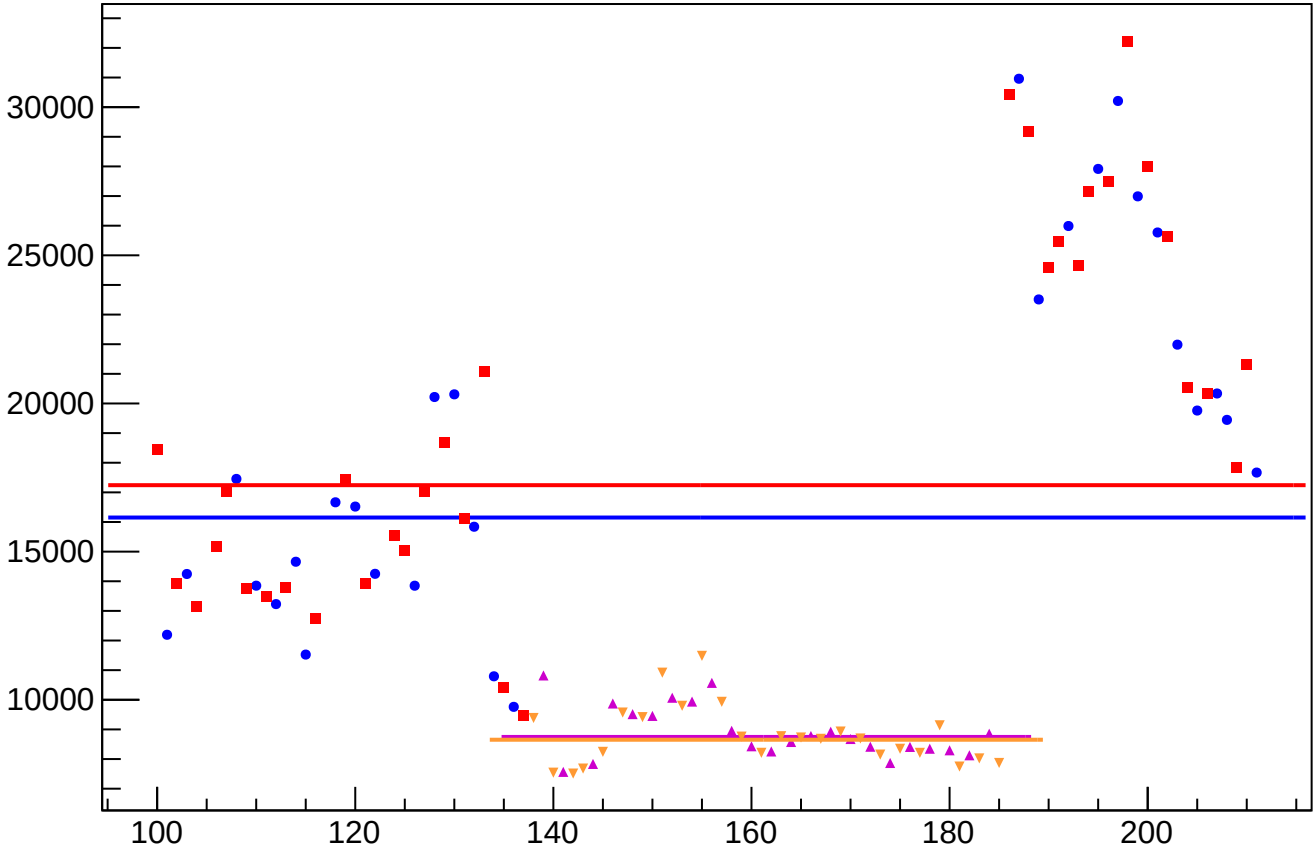
In: 506.130+/-0.065 χ^2/NDF:7441817.2/50

Out: 511.506+/-0.063 χ^2/NDF:8201848.1/57

All: 508.868+/-0.045 χ^2/NDF: 15647194.8/10


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: -12.850+/-4.193 χ²/NDF: 33.1/27
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 13.976+/-4.268 χ²/NDF: 28.0/32
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.326+/-2.991 χ²/NDF: 81.2/60
In: -1.744+/-1.846 χ²/NDF:71.6/50
Out: -4.925+/-1.797 χ²/NDF:113.1/57
All: -3.377+/-1.288 χ²/NDF: 186.3/108

diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected



Right In: 16150.796+/-2.965 χ^2/NDF: 3297139.0/27

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17242.698+/-3.018 χ^2/NDF: 3423391.1/32

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

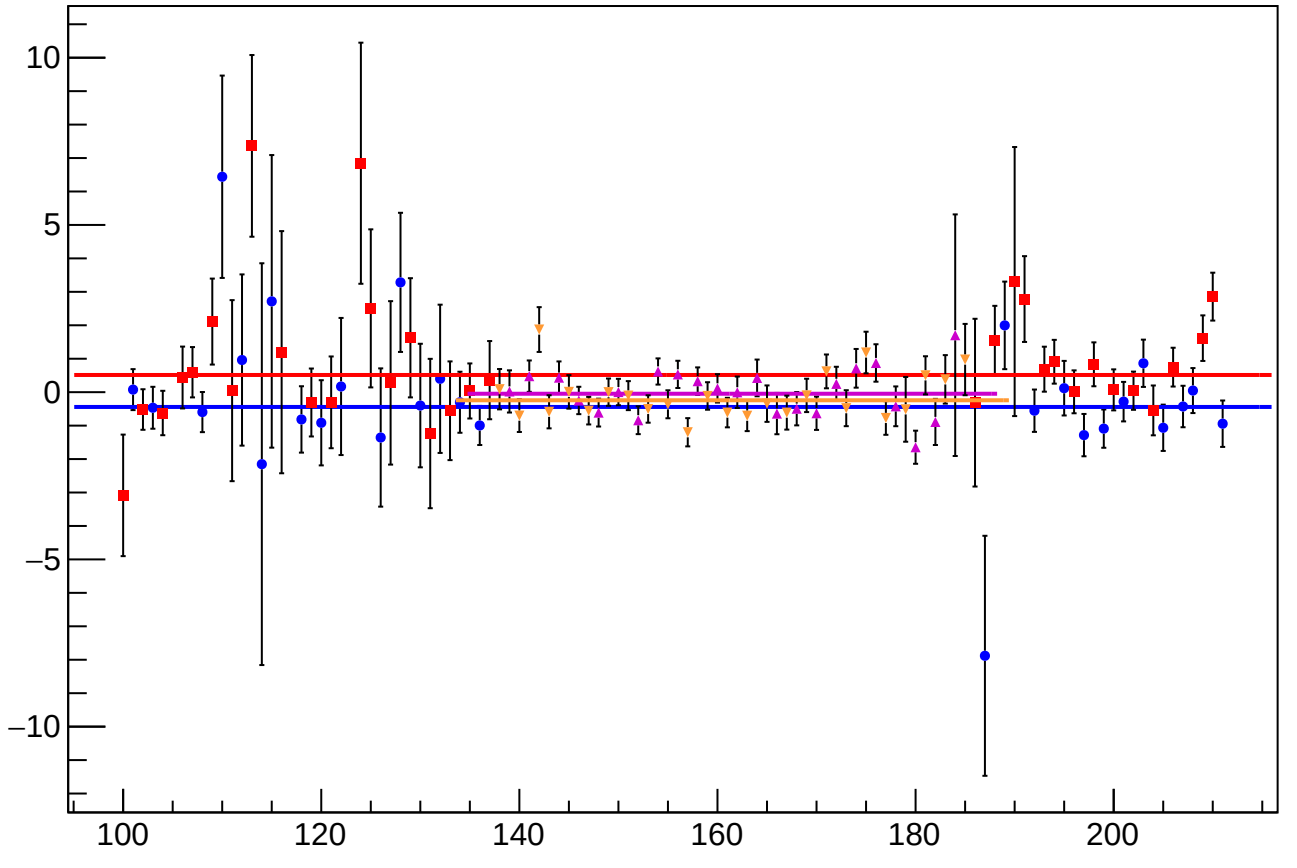
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 16687.089+/-2.115 χ^2/NDF: 6787136.3/60

In: 10180.798+/-1.305 χ^2/NDF:8656477.2/50

Out: 10175.526+/-1.271 χ^2/NDF:10494466.8/57

All: 10178.092+/-0.911 χ^2/NDF: 19150952.4/



Right In: -0.442+/-0.159 χ^2/NDF: 28.4/27

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.514+/-0.158 χ^2/NDF: 47.1/32

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

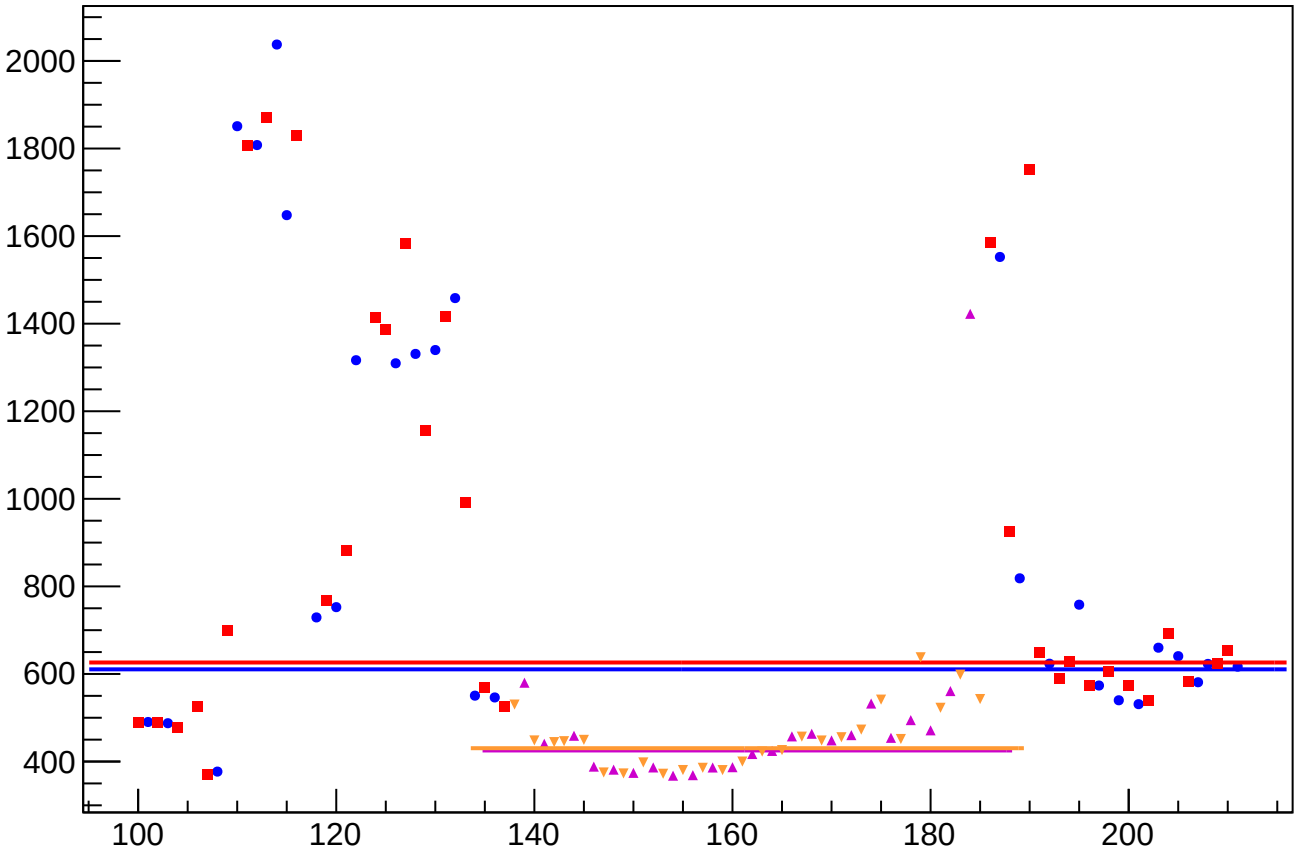
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.040+/-0.112 χ^2/NDF: 93.6/60

In: -0.161+/-0.086 χ^2/NDF:67.8/50

Out: -0.026+/-0.085 χ^2/NDF:97.7/57

All: -0.092+/-0.060 χ^2/NDF: 166.8/108



Right In: 610.544+/-0.113 χ^2/NDF: 3199926.9/27

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 626.179+/-0.112 χ^2/NDF: 3518211.3/32

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

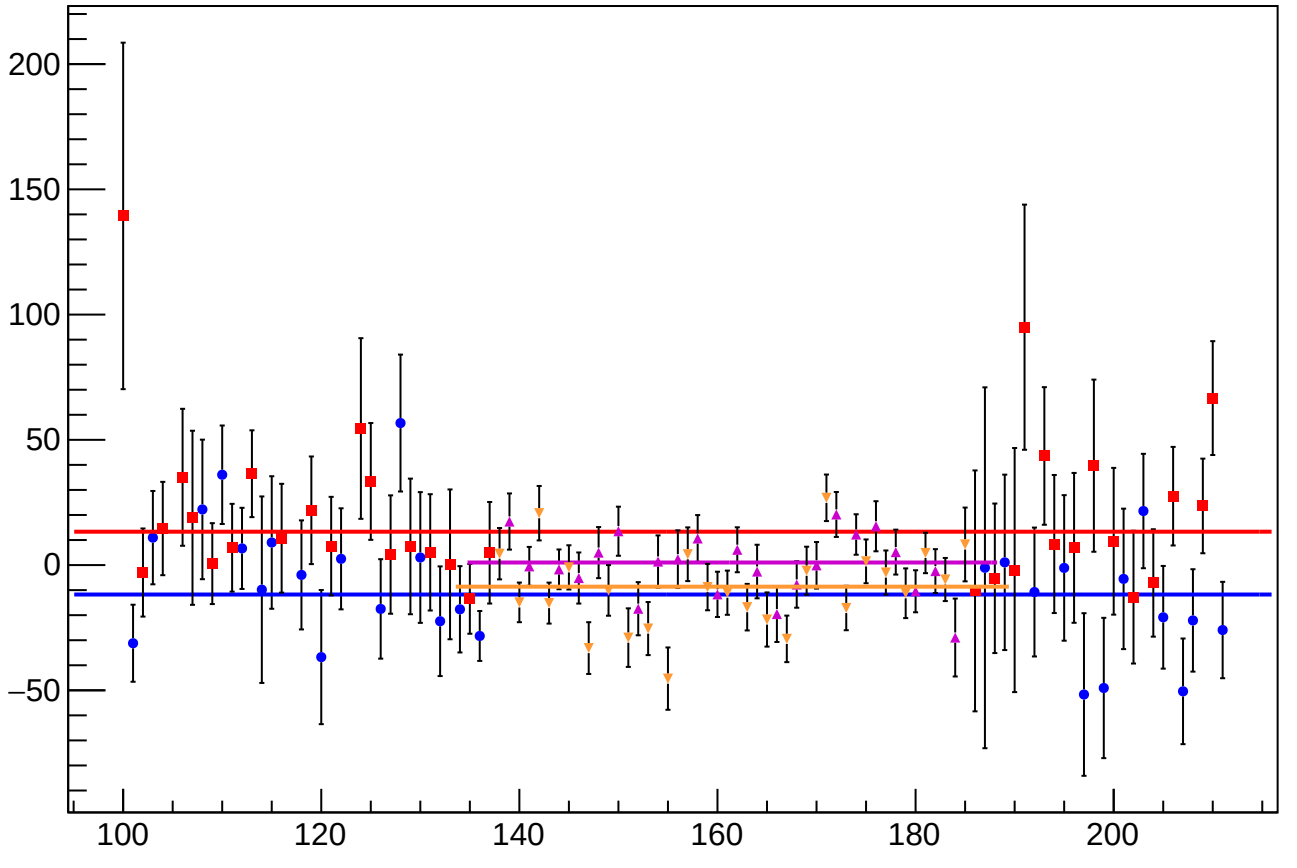
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 618.420+/-0.079 χ^2/NDF: 6727829.6/60

In: 478.810+/-0.061 χ^2/NDF:5837454.6/50

Out: 486.476+/-0.060 χ^2/NDF:6350988.3/57

All: 482.689+/-0.043 χ^2/NDF: 12196545.3/10



Right In: -11.754+/-3.996 χ^2/NDF: 33.8/27

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 13.324+/-4.043 χ^2/NDF: 27.7/32

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

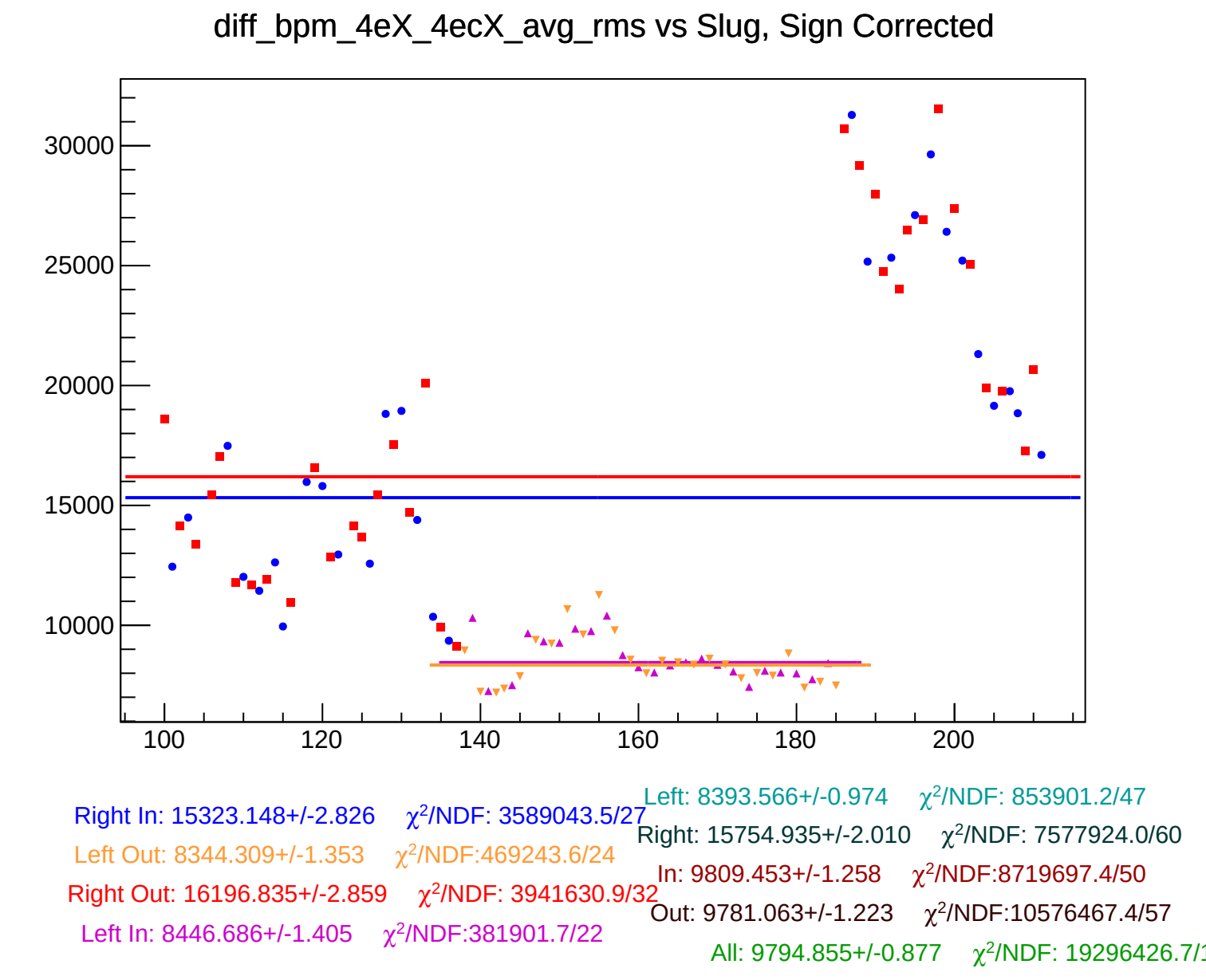
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

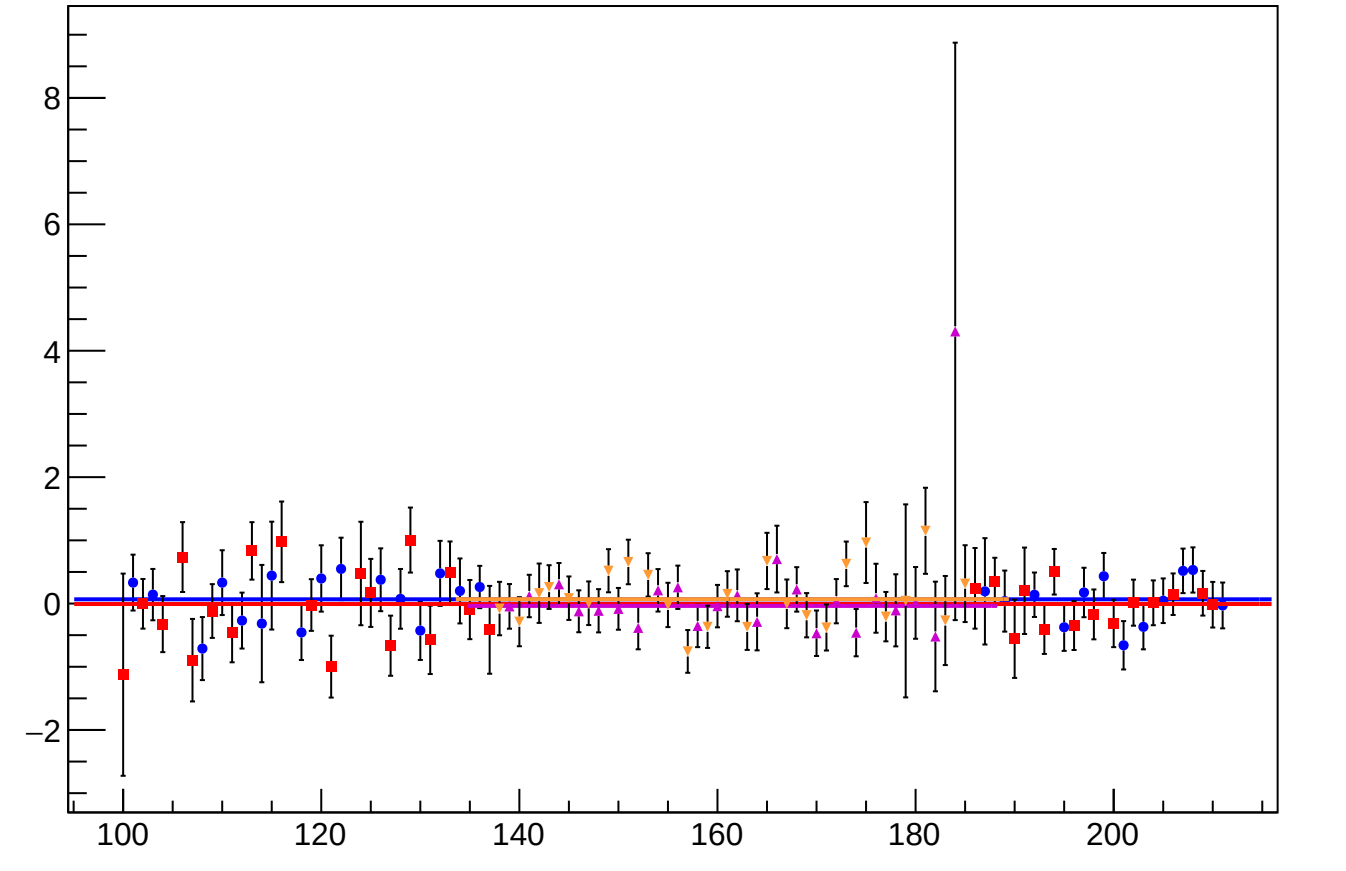
Right: 0.640+/-2.842 χ^2/NDF: 81.0/60

In: -1.506+/-1.779 χ^2/NDF:71.8/50

Out: -4.607+/-1.729 χ^2/NDF:113.4/57

All: -3.100+/-1.240 χ^2/NDF: 186.7/108


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15323.148+/-2.826 χ²/NDF: 3589043.5/27
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16196.835+/-2.859 χ²/NDF: 3941630.9/32
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15754.935+/-2.010 χ²/NDF: 7577924.0/60
In: 9809.453+/-1.258 χ²/NDF:8719697.4/50
Out: 9781.063+/-1.223 χ²/NDF:10576467.4/57
All: 9794.855+/-0.877 χ²/NDF: 19296426.7/1



Right In: 0.067+/-0.082 χ^2/NDF: 20.4/27

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.007+/-0.079 χ^2/NDF: 31.3/32

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

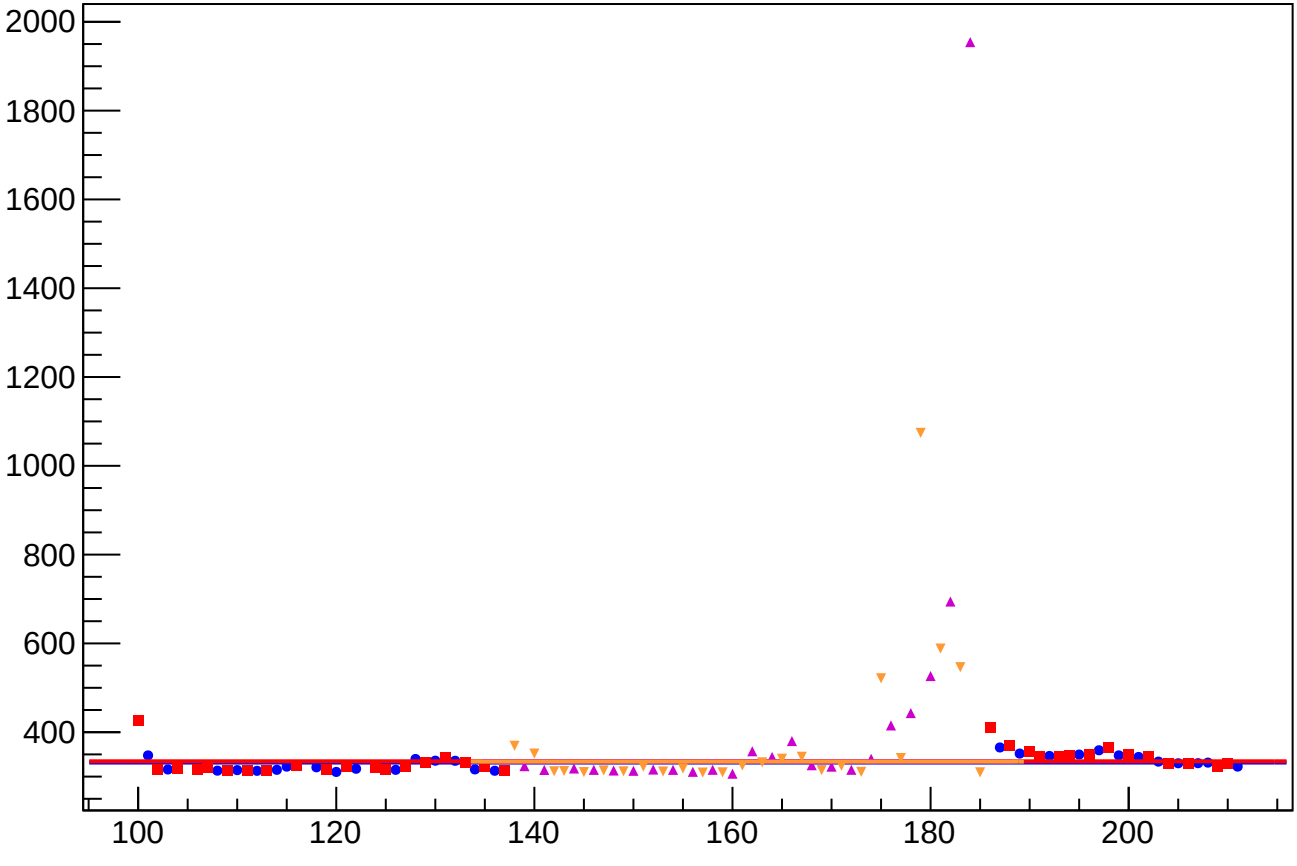
Right: 0.029+/-0.057 χ^2/NDF: 52.2/60

In: 0.015+/-0.057 χ^2/NDF:32.9/50

Out: 0.031+/-0.056 χ^2/NDF:60.0/57

All: 0.023+/-0.040 χ^2/NDF: 93.0/108

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.672+/-0.058 χ^2/NDF: 64196.3/27

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.476+/-0.056 χ^2/NDF: 118789.0/32

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

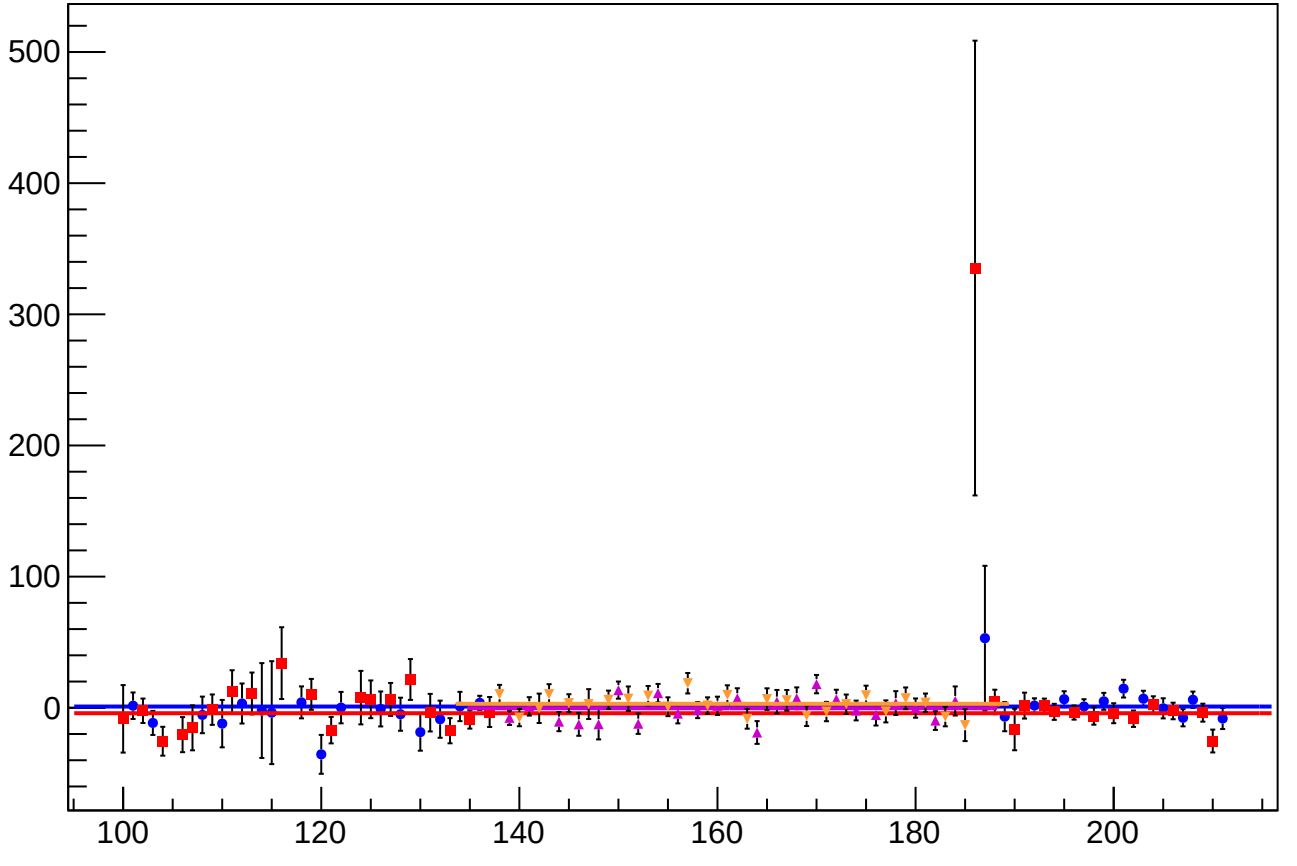
Right: 333.123+/-0.040 χ^2/NDF: 184209.3/60

In: 332.835+/-0.041 χ^2/NDF:1115987.3/50

Out: 334.131+/-0.039 χ^2/NDF:1336123.1/57

All: 333.502+/-0.028 χ^2/NDF: 2452634.8/108

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 0.941+/-1.637 χ^2/NDF: 23.0/27

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.144+/-1.595 χ^2/NDF: 33.7/32

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

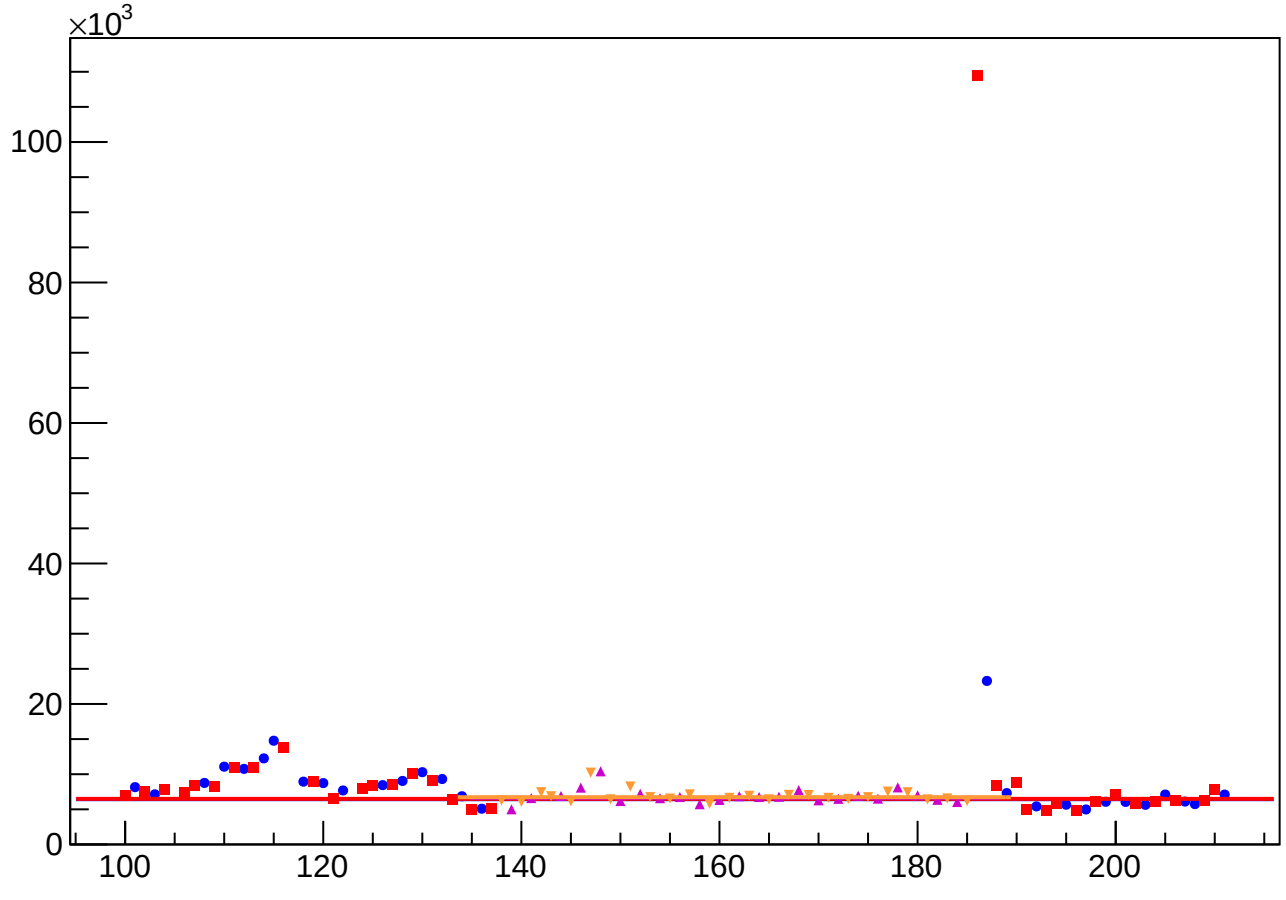
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.667+/-1.142 χ^2/NDF: 61.6/60

In: 0.267+/-1.132 χ^2/NDF:57.1/50

Out: -0.439+/-1.108 χ^2/NDF:64.4/57

All: -0.093+/-0.792 χ^2/NDF: 121.7/108



Right In: 6443.439+/-1.157 χ^2/NDF: 1745879.5/27

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6490.008+/-1.128 χ^2/NDF: 2425674.0/32

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

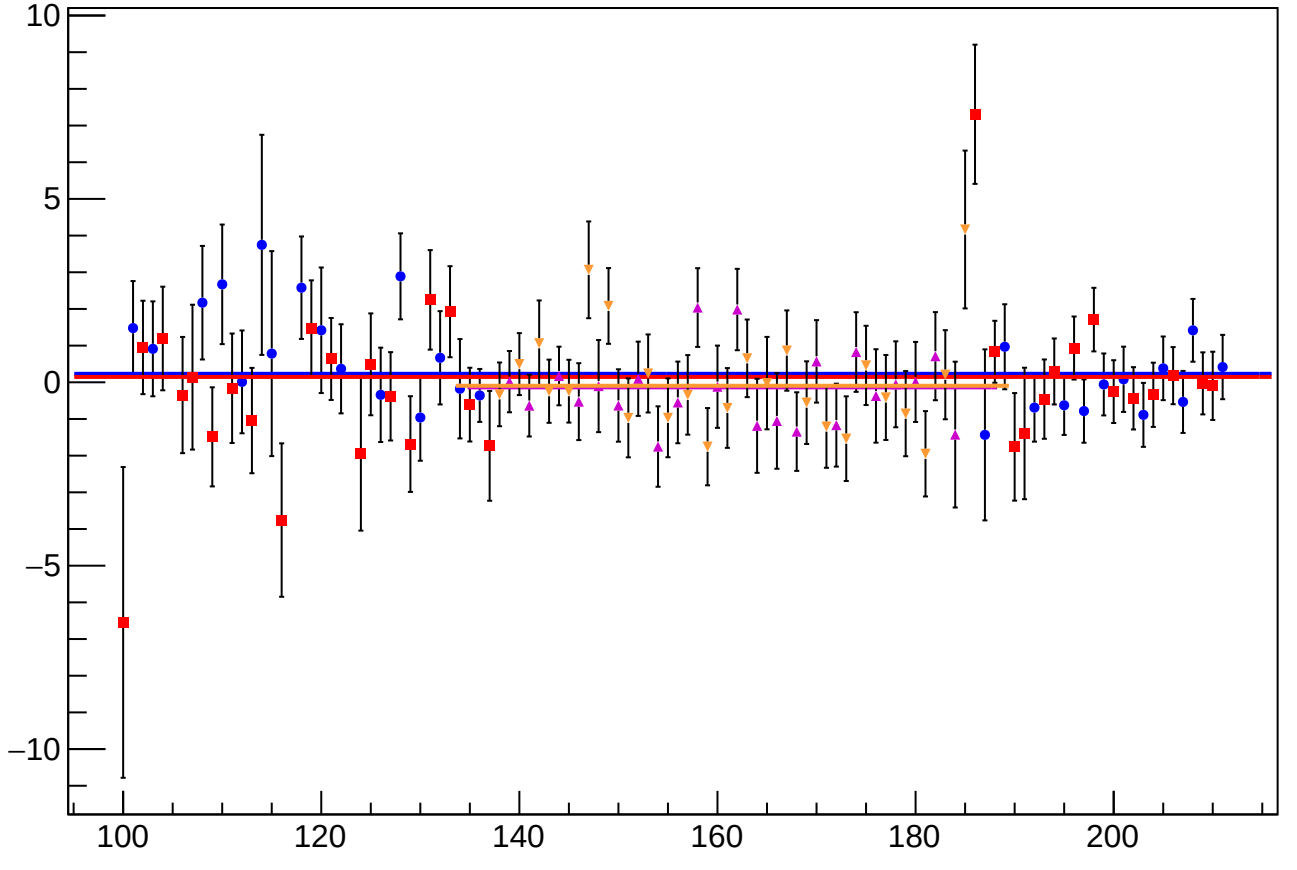
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6467.324+/-0.808 χ^2/NDF: 4172384.0/60

In: 6542.110+/-0.801 χ^2/NDF:2389316.6/50

Out: 6610.453+/-0.784 χ^2/NDF:2851054.0/57

All: 6577.010+/-0.560 χ^2/NDF: 5244091.0/10



Right In: 0.231+/-0.205 χ^2/NDF: 26.0/27

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.147+/-0.200 χ^2/NDF: 43.1/32

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

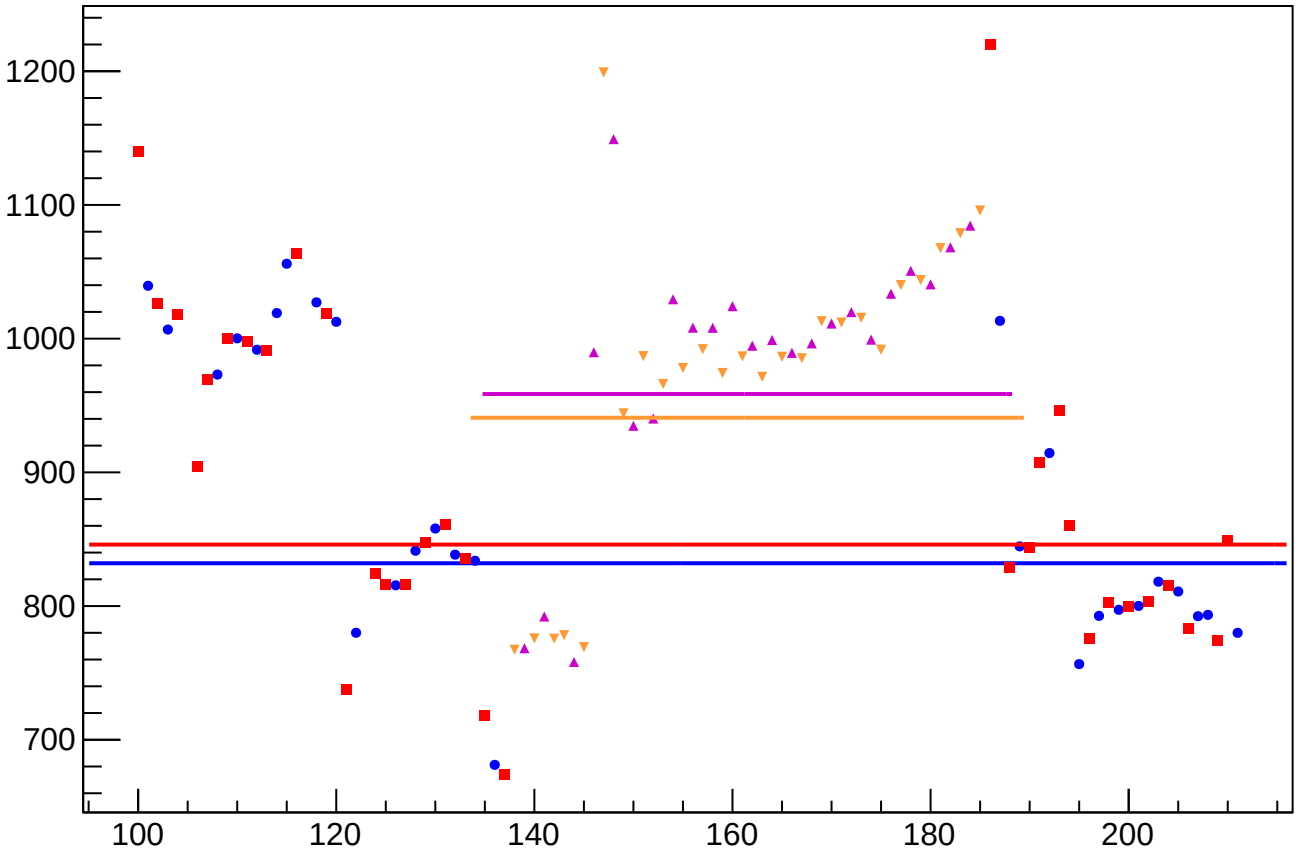
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.188+/-0.143 χ^2/NDF: 69.2/60

In: 0.064+/-0.152 χ^2/NDF:44.0/50

Out: 0.035+/-0.146 χ^2/NDF:71.1/57

All: 0.049+/-0.105 χ^2/NDF: 115.1/108



Right In: 832.017+/-0.145 χ^2/NDF: 399980.1/27

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 845.979+/-0.141 χ^2/NDF: 450503.9/32

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

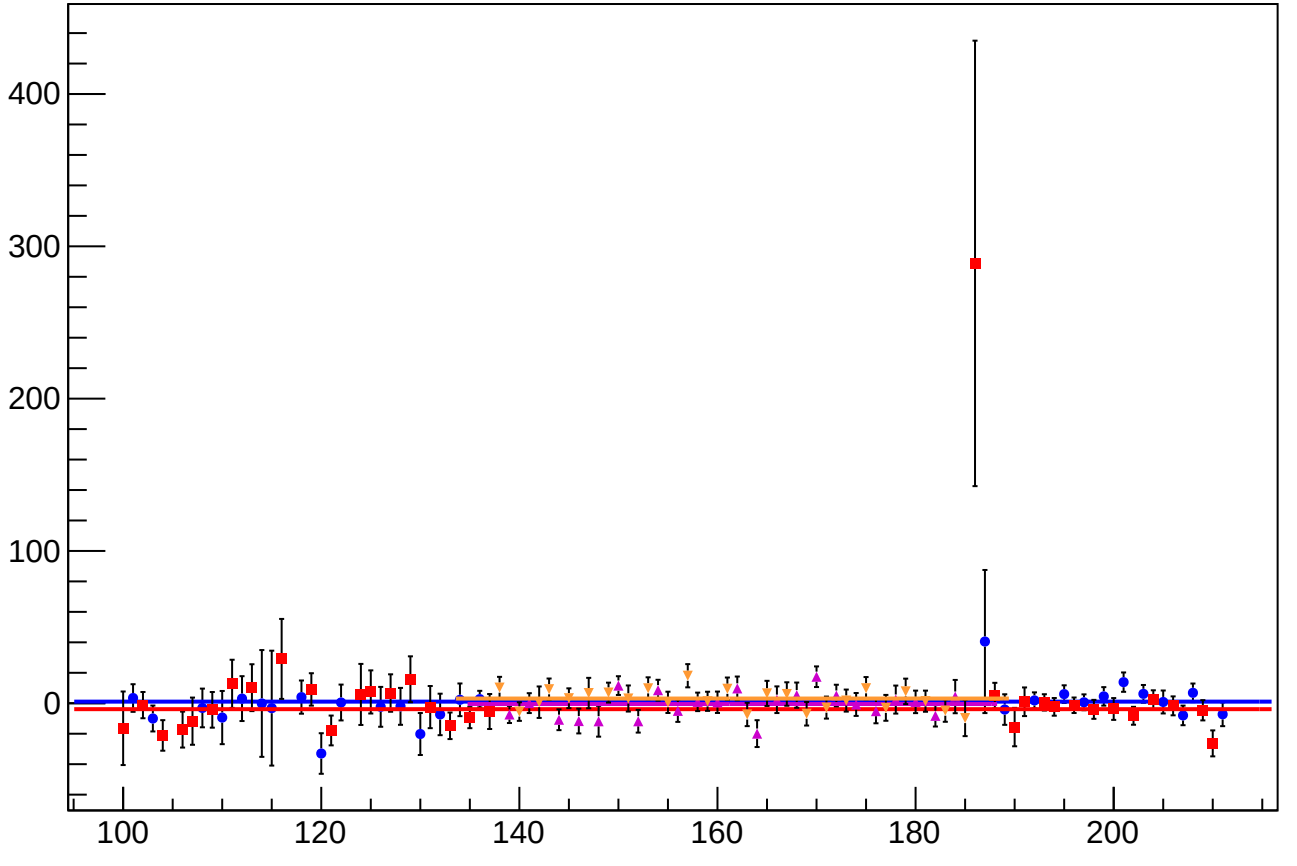
Right: 839.184+/-0.101 χ^2/NDF: 855237.5/60

In: 889.384+/-0.107 χ^2/NDF:1201720.5/50

Out: 889.855+/-0.104 χ^2/NDF:1227836.3/57

All: 889.628+/-0.075 χ^2/NDF: 2429566.7/108

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



Right In: 1.068+/-1.565 χ^2/NDF: 22.8/27

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.879+/-1.517 χ^2/NDF: 33.3/32

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

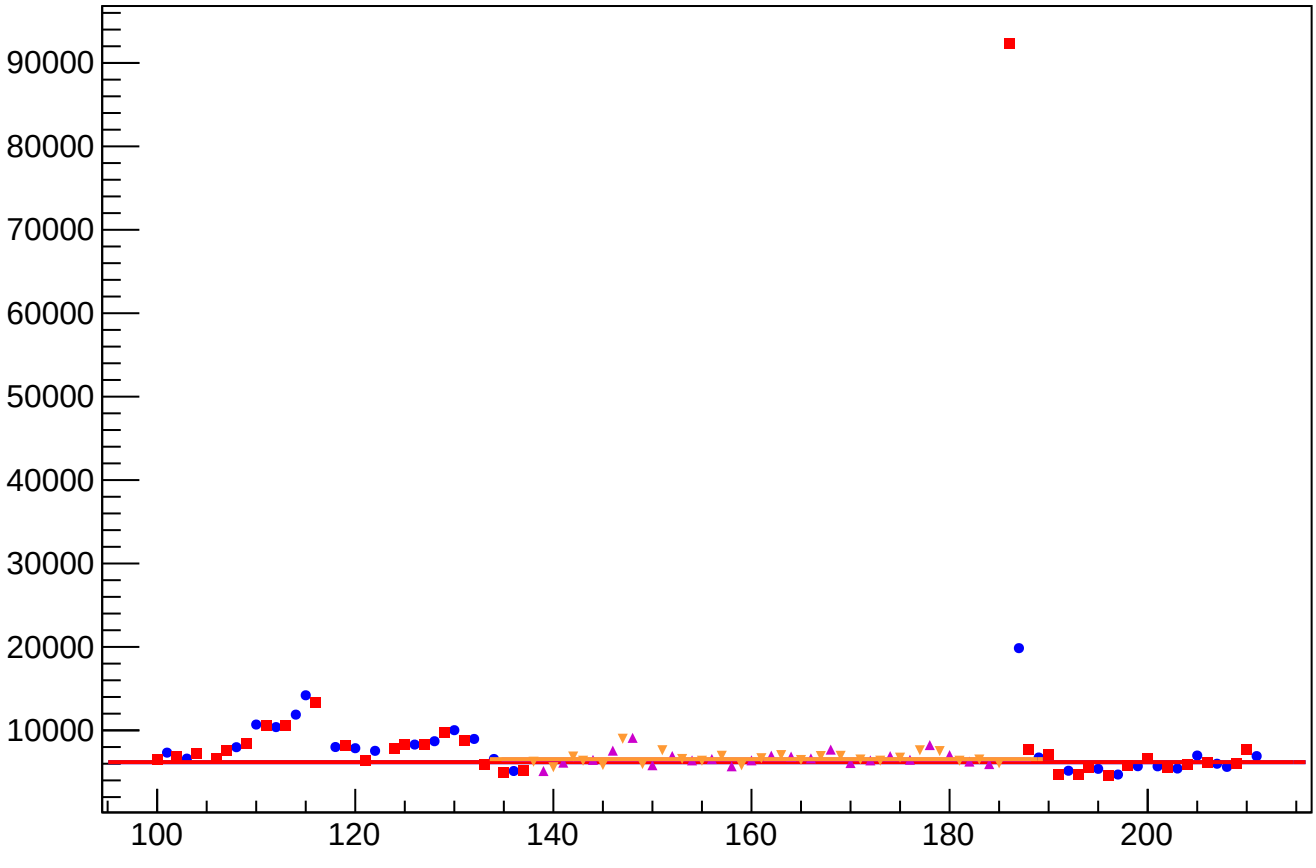
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.482+/-1.090 χ^2/NDF: 61.2/60

In: 0.259+/-1.096 χ^2/NDF:55.3/50

Out: -0.350+/-1.067 χ^2/NDF:62.6/57

All: -0.054+/-0.764 χ^2/NDF: 118.0/108



Right In: 6177.731+/-1.107 χ^2/NDF: 1653886.3/27

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6191.082+/-1.073 χ^2/NDF: 2362373.2/32

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

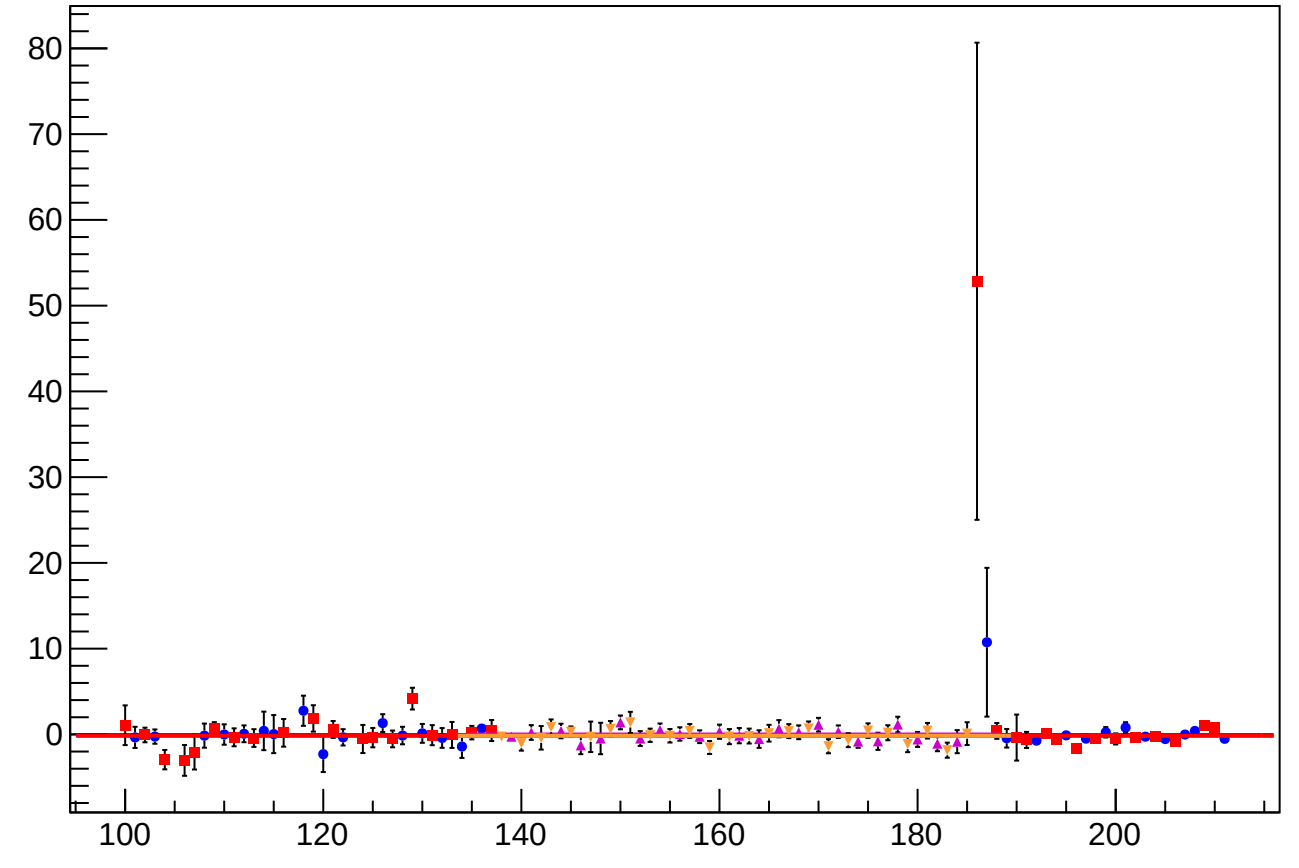
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6184.614+/-0.770 χ^2/NDF: 4016334.4/60

In: 6344.628+/-0.775 χ^2/NDF:2213965.3/50

Out: 6372.036+/-0.754 χ^2/NDF:2784680.7/57

All: 6358.701+/-0.541 χ^2/NDF: 4999288.2/10



Right In: -0.089+/-0.137 χ^2/NDF: 17.7/27

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.164+/-0.136 χ^2/NDF: 50.1/32

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

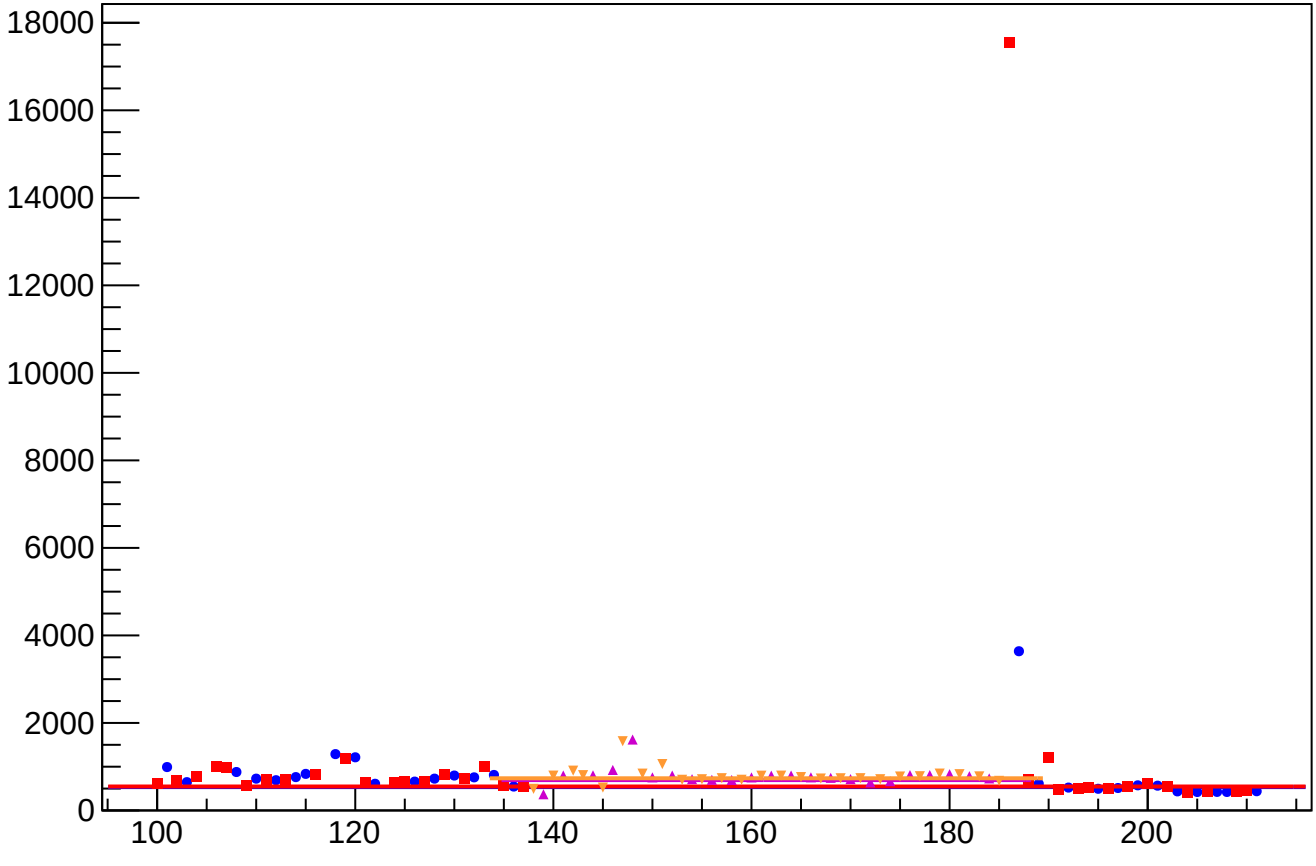
Right: -0.127+/-0.097 χ^2/NDF: 67.9/60

In: -0.060+/-0.107 χ^2/NDF:33.0/50

Out: -0.164+/-0.107 χ^2/NDF:69.0/57

All: -0.112+/-0.076 χ^2/NDF: 102.5/108

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 534.107+/-0.097 χ^2/NDF: 2378956.2/27

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 547.335+/-0.096 χ^2/NDF: 2739441.4/32

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

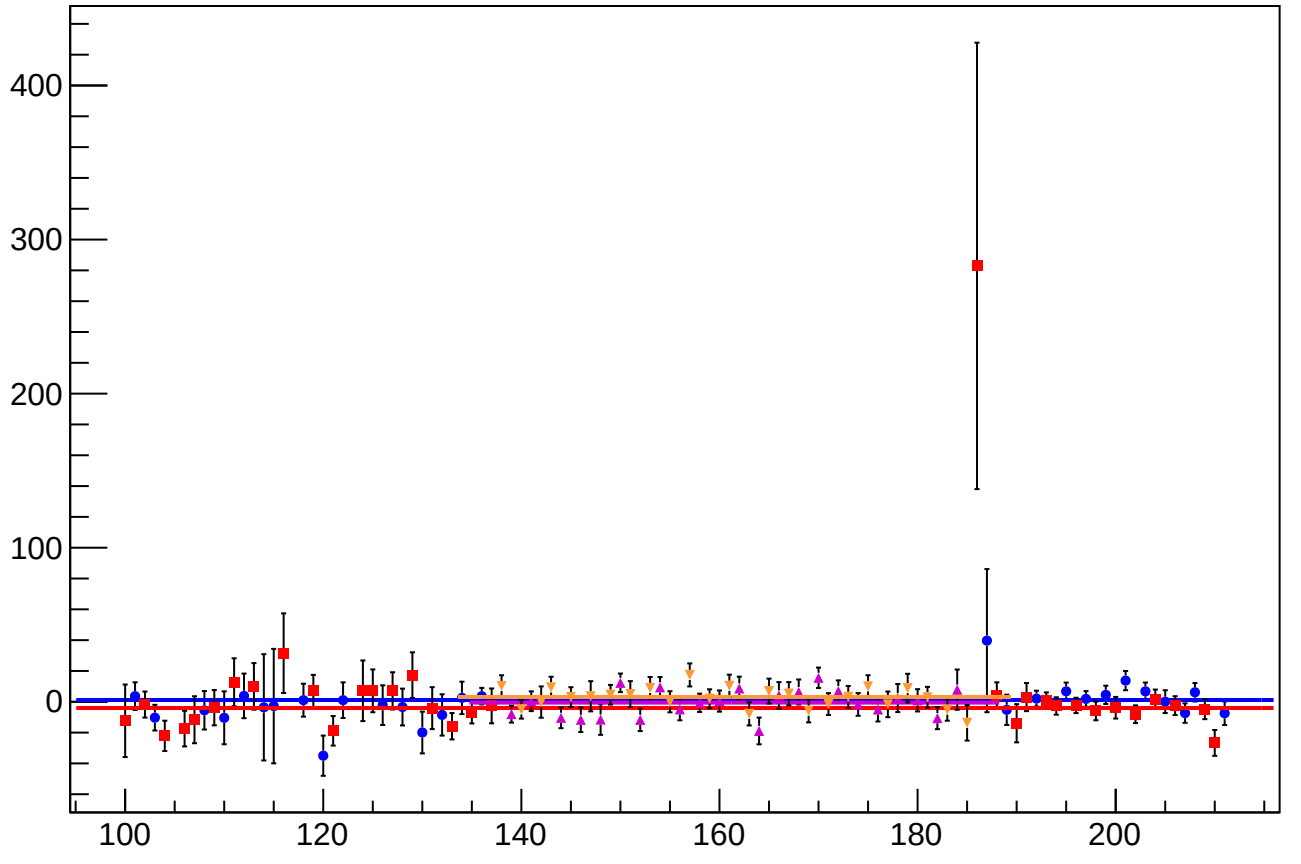
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 540.771+/-0.068 χ^2/NDF: 5127723.6/60

In: 597.814+/-0.075 χ^2/NDF:5682809.5/50

Out: 619.759+/-0.076 χ^2/NDF:5538918.9/57

All: 608.760+/-0.053 χ^2/NDF: 11263949.0/10



Right In: 1.139+/-1.535 χ^2/NDF: 25.1/27

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -4.047+/-1.487 χ^2/NDF: 34.7/32

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

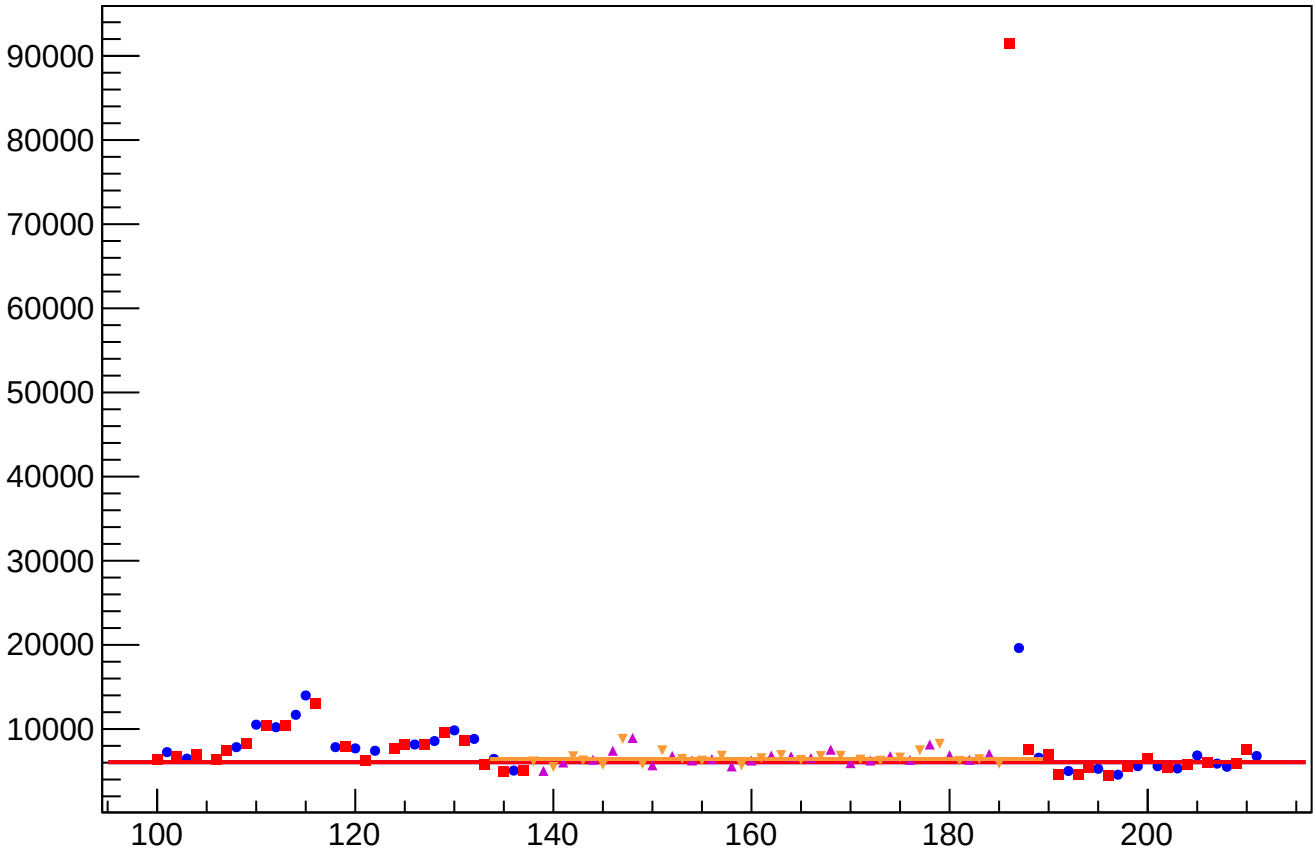
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.536+/-1.068 χ^2/NDF: 65.7/60

In: 0.282+/-1.077 χ^2/NDF:59.3/50

Out: -0.442+/-1.048 χ^2/NDF:65.1/57

All: -0.090+/-0.751 χ^2/NDF: 124.7/108



Right In: 6052.957+/-1.085 χ^2/NDF: 1682237.1/27

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6061.550+/-1.051 χ^2/NDF: 2384913.4/32

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

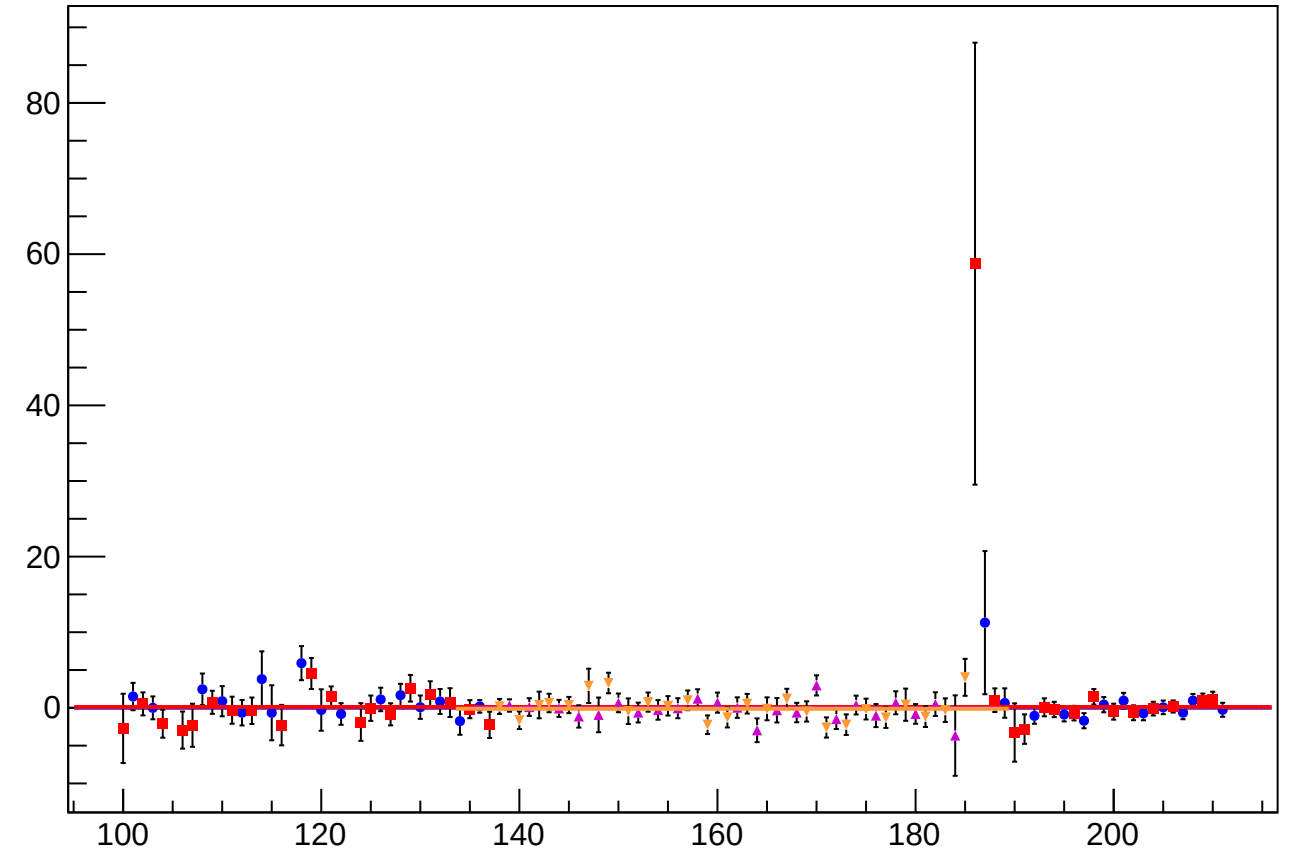
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6057.390+/-0.755 χ^2/NDF: 4067182.7/60

In: 6231.709+/-0.762 χ^2/NDF:2260761.3/50

Out: 6249.807+/-0.741 χ^2/NDF:2865890.3/57

All: 6241.011+/-0.531 χ^2/NDF: 5126941.7/10



Right In: 0.022+/-0.240 χ^2/NDF: 23.5/27

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.105+/-0.240 χ^2/NDF: 29.9/32

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

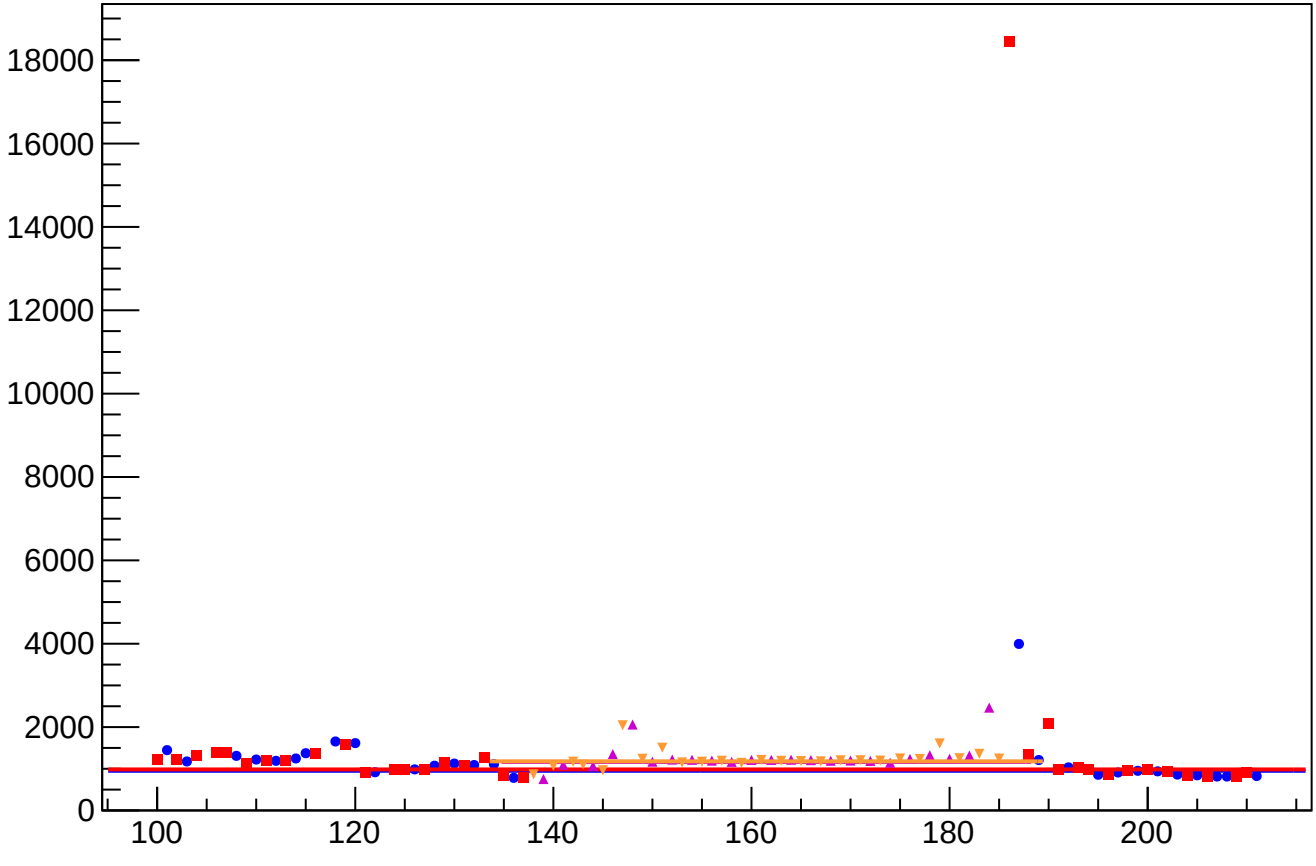
Right: 0.063+/-0.170 χ^2/NDF: 53.5/60

In: 0.000+/-0.182 χ^2/NDF:37.9/50

Out: 0.006+/-0.180 χ^2/NDF:57.3/57

All: 0.003+/-0.128 χ^2/NDF: 95.2/108

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 952.114+/-0.170 χ^2/NDF: 1296778.9/27

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 984.081+/-0.169 χ^2/NDF: 1892810.2/32

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

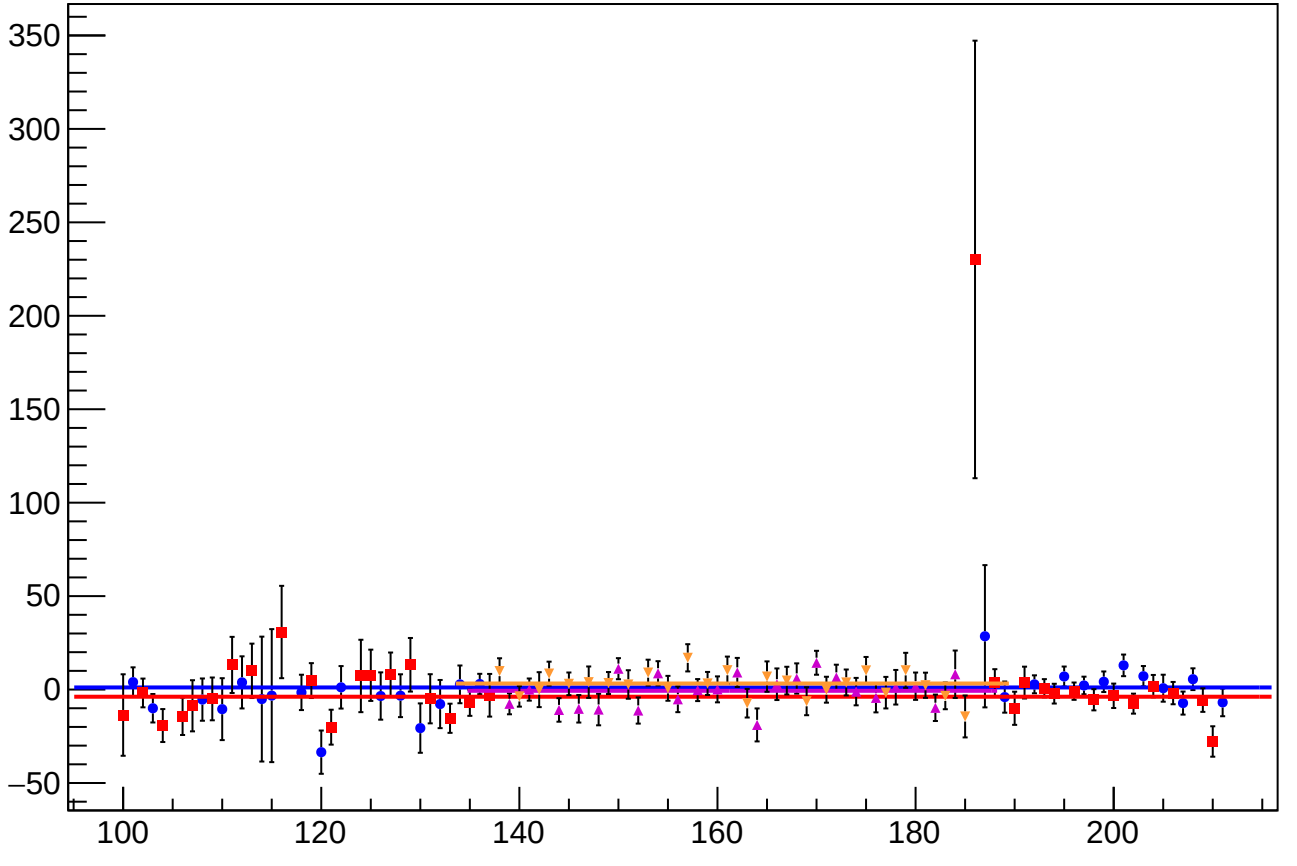
Right: 968.108+/-0.120 χ^2/NDF: 3207367.4/60

In: 1042.231+/-0.129 χ^2/NDF:3012429.6/50

Out: 1068.245+/-0.127 χ^2/NDF:3261199.1/57

All: 1055.348+/-0.090 χ^2/NDF: 6294287.7/10

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: 1.130+/-1.450 χ^2/NDF: 27.4/27

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.837+/-1.393 χ^2/NDF: 36.5/32

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

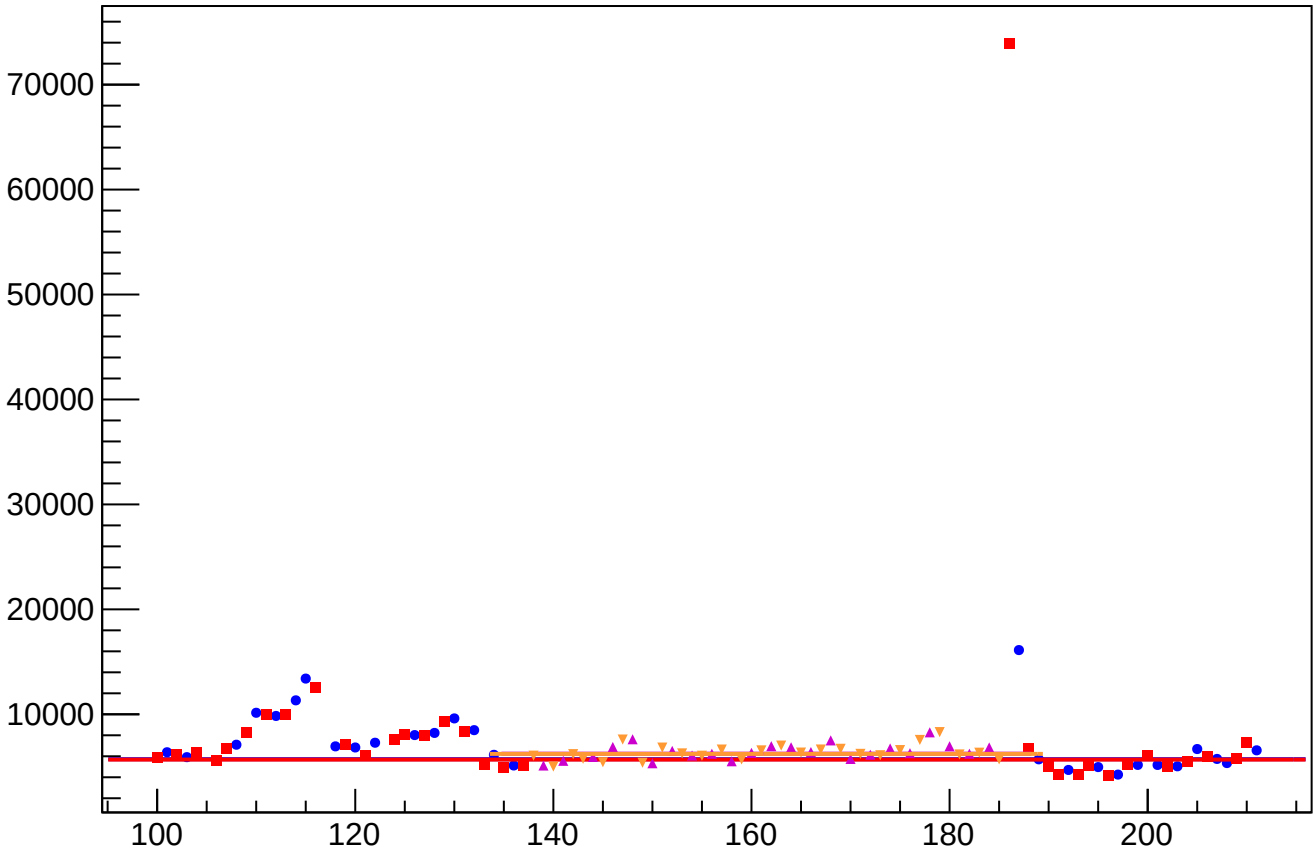
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.452+/-1.005 χ^2/NDF: 70.0/60

In: 0.246+/-1.034 χ^2/NDF:60.5/50

Out: -0.392+/-0.998 χ^2/NDF:67.0/57

All: -0.084+/-0.718 χ^2/NDF: 127.7/108



Right In: 5722.365+/-1.025 χ^2/NDF: 1669180.5/27

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5684.456+/-0.985 χ^2/NDF: 2425846.4/32

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

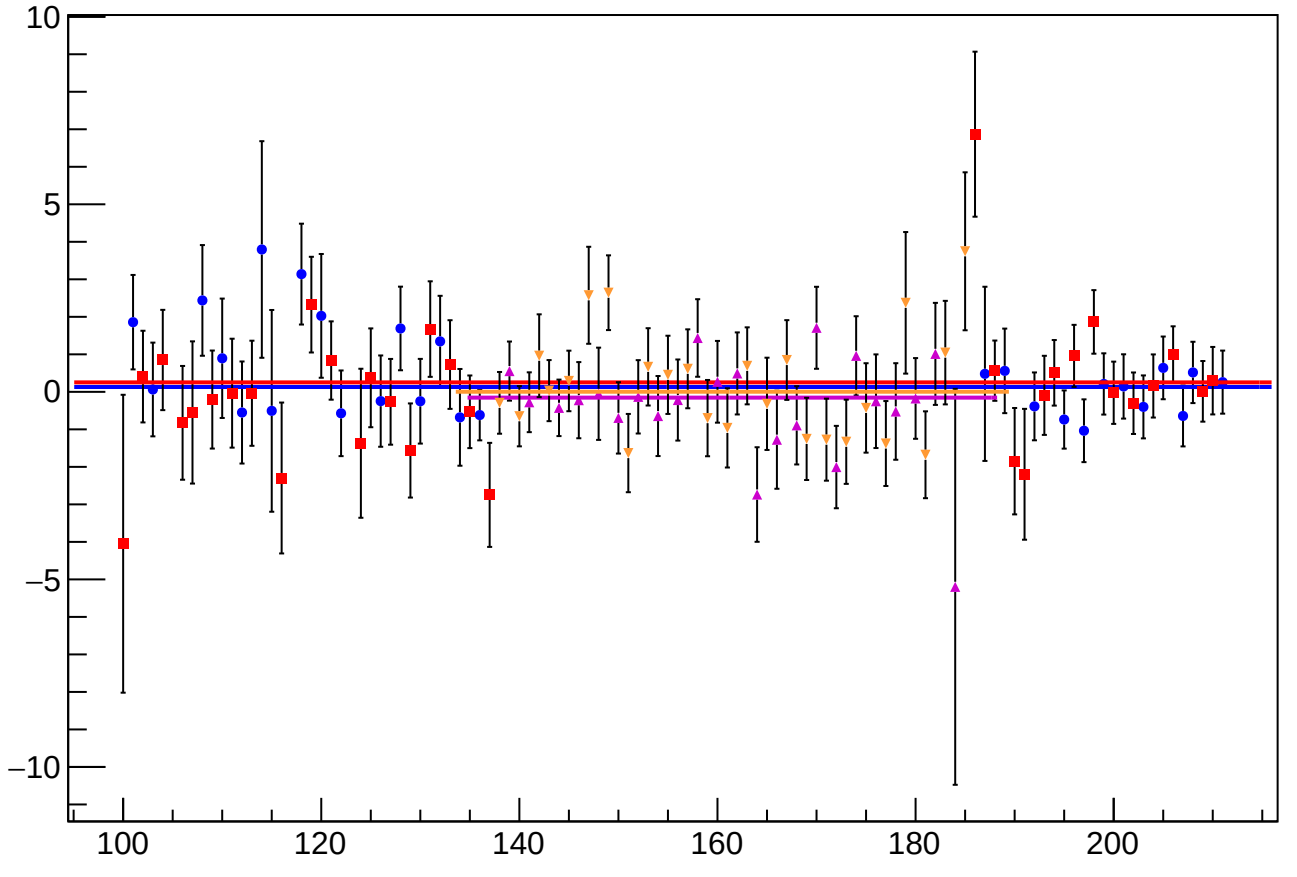
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5702.654+/-0.710 χ^2/NDF: 4095737.6/60

In: 5980.353+/-0.731 χ^2/NDF:2282846.7/50

Out: 5949.562+/-0.706 χ^2/NDF:3045329.7/57

All: 5964.415+/-0.508 χ^2/NDF: 5329095.1/10



Right In: 0.129+/-0.197 χ^2/NDF: 23.6/27

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.252+/-0.192 χ^2/NDF: 36.1/32

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

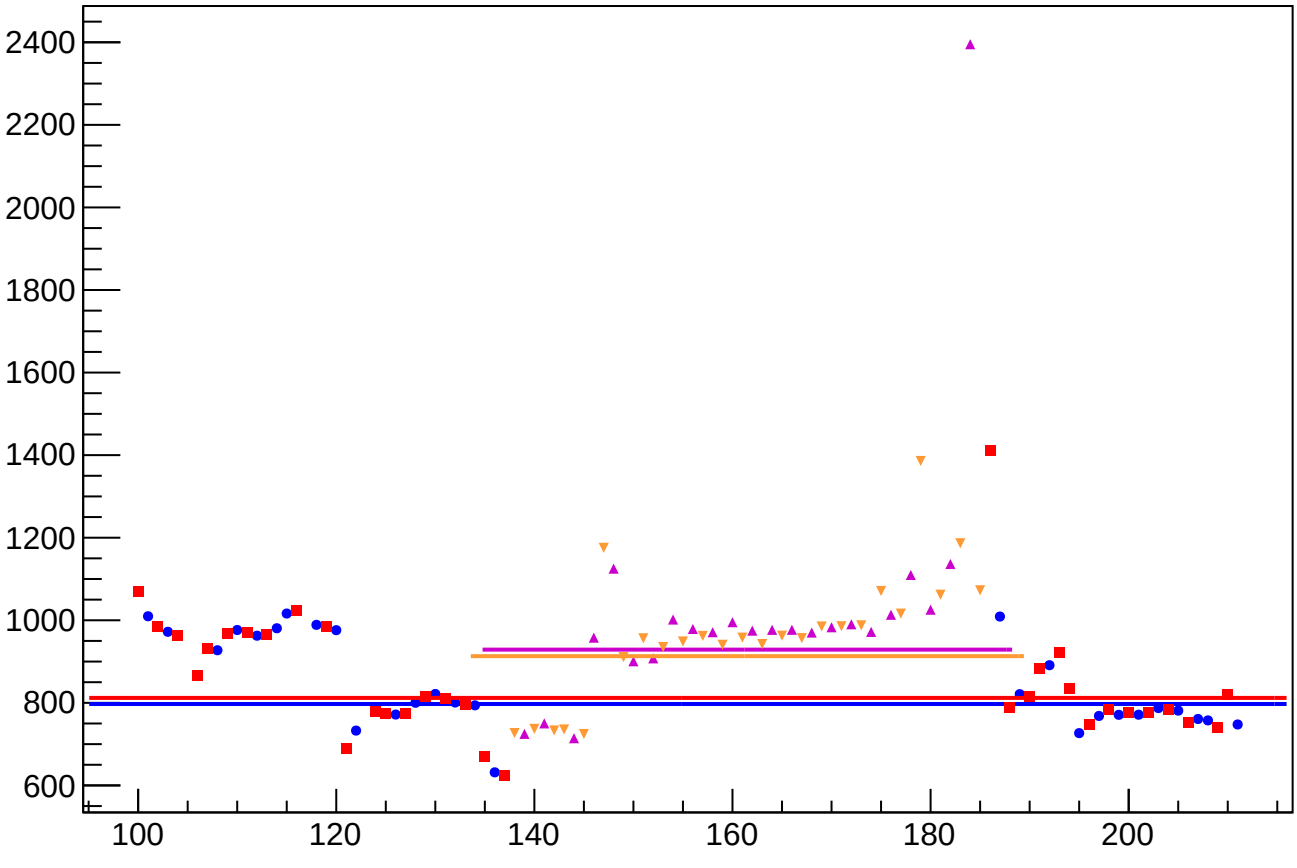
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.192+/-0.138 χ^2/NDF: 59.9/60

In: 0.004+/-0.147 χ^2/NDF:42.9/50

Out: 0.140+/-0.142 χ^2/NDF:68.5/57

All: 0.074+/-0.102 χ^2/NDF: 111.9/108



Right In: 797.204+/-0.139 χ^2/NDF: 459475.4/27

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 811.980+/-0.136 χ^2/NDF: 562036.3/32

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

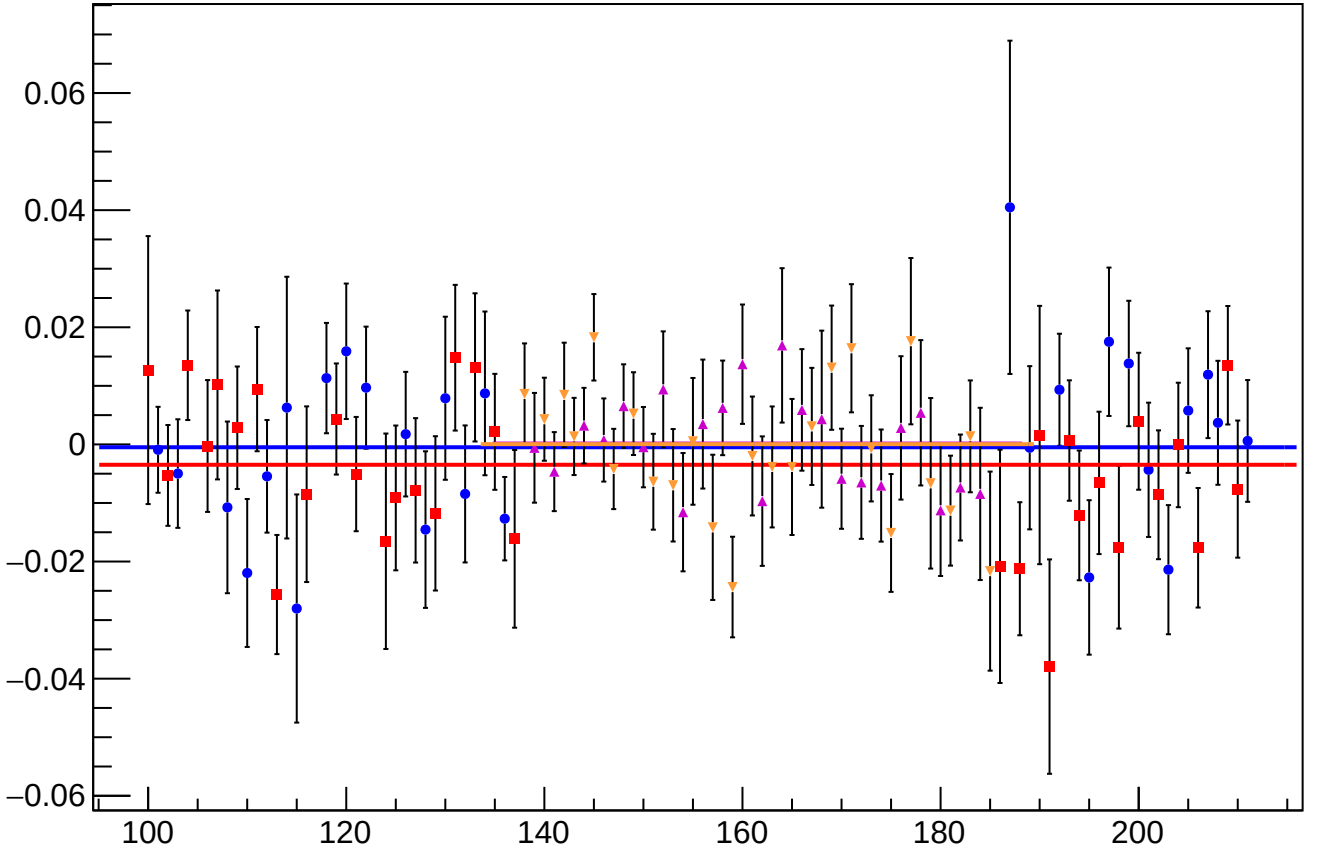
Right: 804.771+/-0.097 χ^2/NDF: 1027276.0/60

In: 855.485+/-0.104 χ^2/NDF:1624319.6/50

Out: 857.614+/-0.101 χ^2/NDF:1700891.8/57

All: 856.584+/-0.072 χ^2/NDF: 3325427.7/108

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.002 χ^2/NDF: 31.1/27

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.003+/-0.002 χ^2/NDF: 32.4/32

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

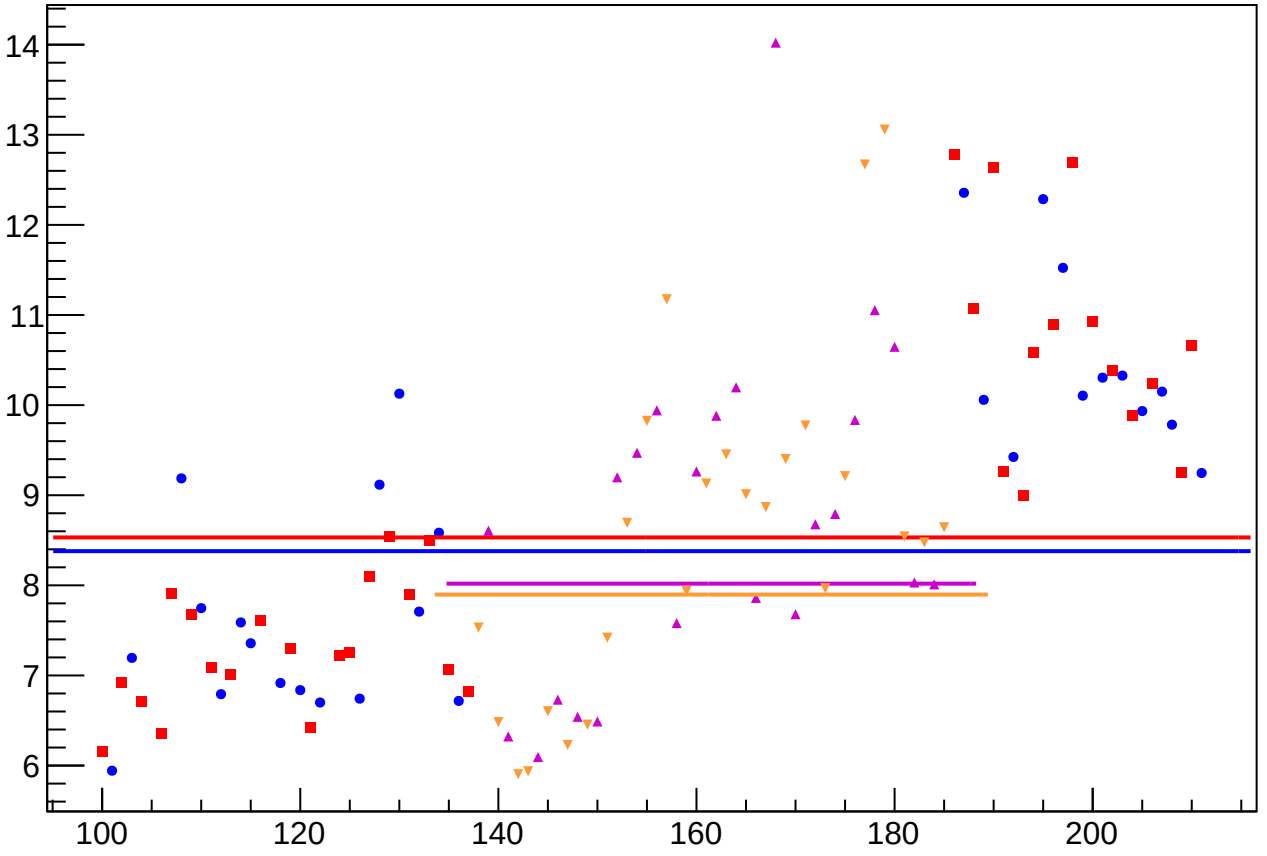
Right: -0.002+/-0.001 χ^2/NDF: 64.6/60

In: -0.000+/-0.001 χ^2/NDF:44.0/50

Out: -0.002+/-0.001 χ^2/NDF:65.2/57

All: -0.001+/-0.001 χ^2/NDF: 109.7/108

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.380+/-0.001 χ^2/NDF: 1369910.2/27

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.532+/-0.001 χ^2/NDF: 1478401.3/32

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

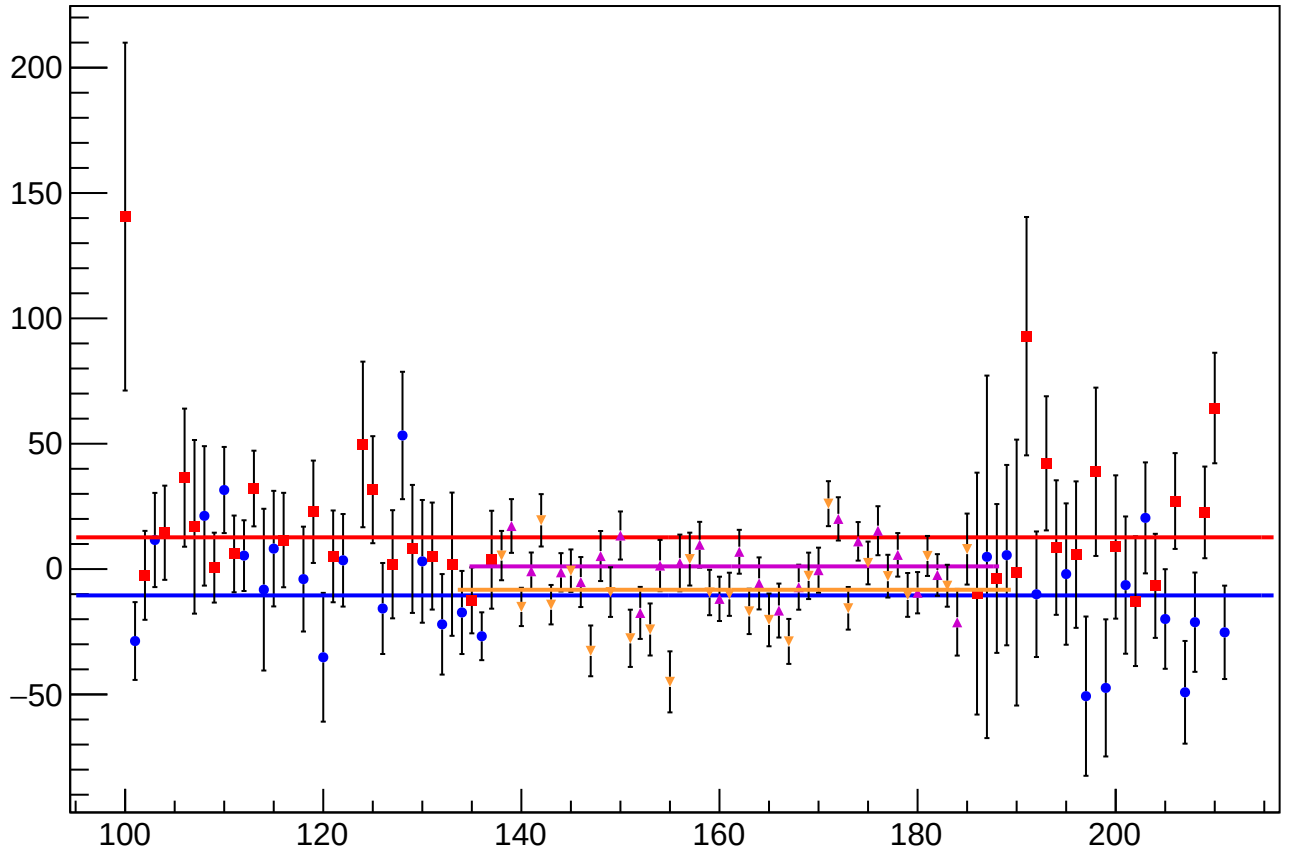
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.458+/-0.001 χ^2/NDF: 2853667.6/60

In: 8.182+/-0.001 χ^2/NDF:2857732.7/50

Out: 8.181+/-0.001 χ^2/NDF:3174952.3/57

All: 8.181+/-0.001 χ^2/NDF: 6032686.3/108



Right In: -10.505+/-3.793 χ^2/NDF: 34.1/27

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 12.663+/-3.806 χ^2/NDF: 27.9/32

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

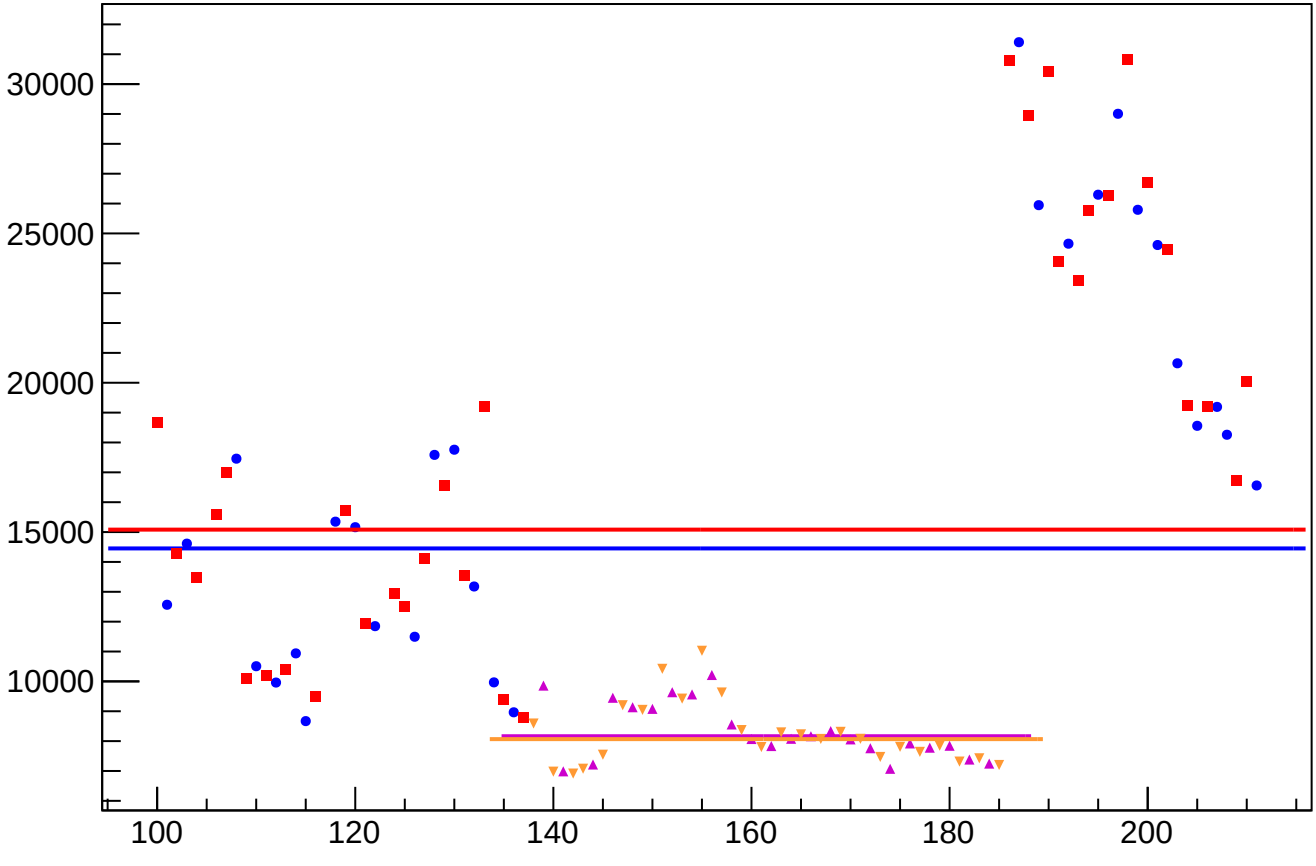
Right: 1.040+/-2.687 χ^2/NDF: 80.6/60

In: -1.291+/-1.714 χ^2/NDF:70.4/50

Out: -4.260+/-1.663 χ^2/NDF:114.5/57

All: -2.820+/-1.194 χ^2/NDF: 186.4/108

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 14452.119+/-2.682 χ^2/NDF: 3979178.0/27

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 15081.872+/-2.691 χ^2/NDF: 4618406.2/32

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

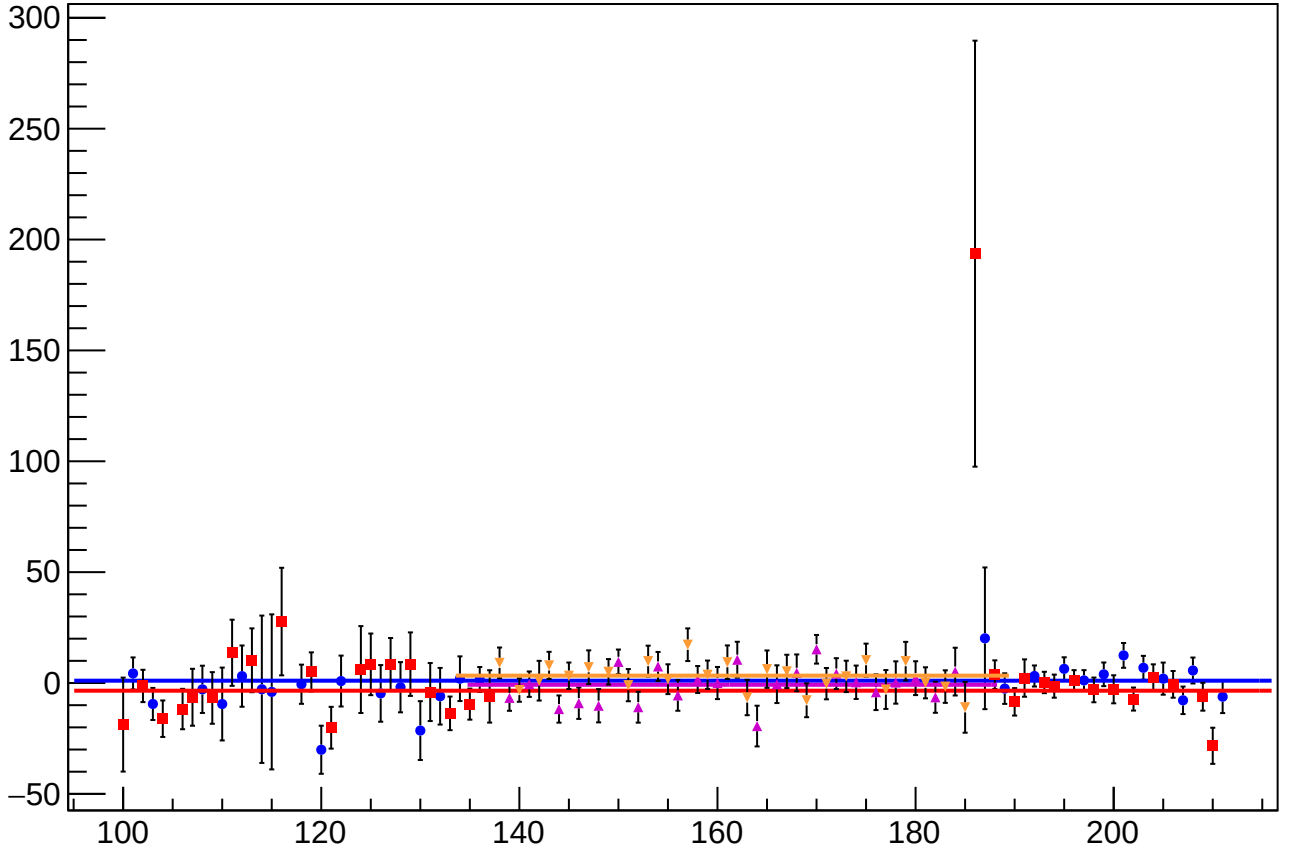
Right: 14765.923+/-1.900 χ^2/NDF: 8625057.4/60

In: 9447.082+/-1.212 χ^2/NDF:8787184.6/50

Out: 9406.805+/-1.176 χ^2/NDF:10613604.2/57

All: 9426.345+/-0.844 χ^2/NDF: 19401357.7/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.048+/-1.417 χ^2/NDF: 25.8/27

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -3.467+/-1.348 χ^2/NDF: 36.8/32

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

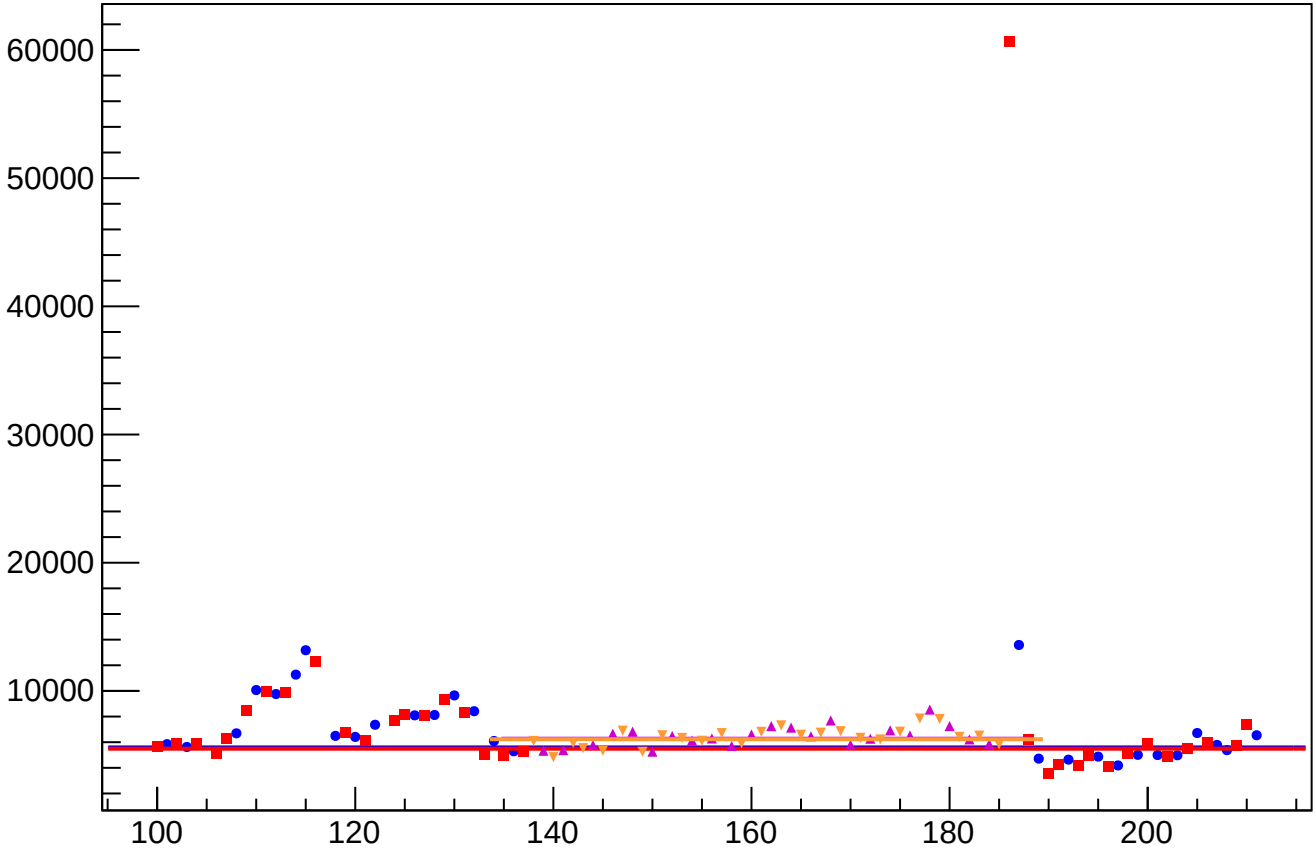
Right: -1.321+/-0.977 χ^2/NDF: 67.9/60

In: 0.165+/-1.023 χ^2/NDF:56.0/50

Out: -0.270+/-0.981 χ^2/NDF:65.7/57

All: -0.061+/-0.708 χ^2/NDF: 121.8/108

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5592.513+/-1.002 χ^2/NDF: 1676149.9/27

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5492.846+/-0.953 χ^2/NDF: 2607782.0/32

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

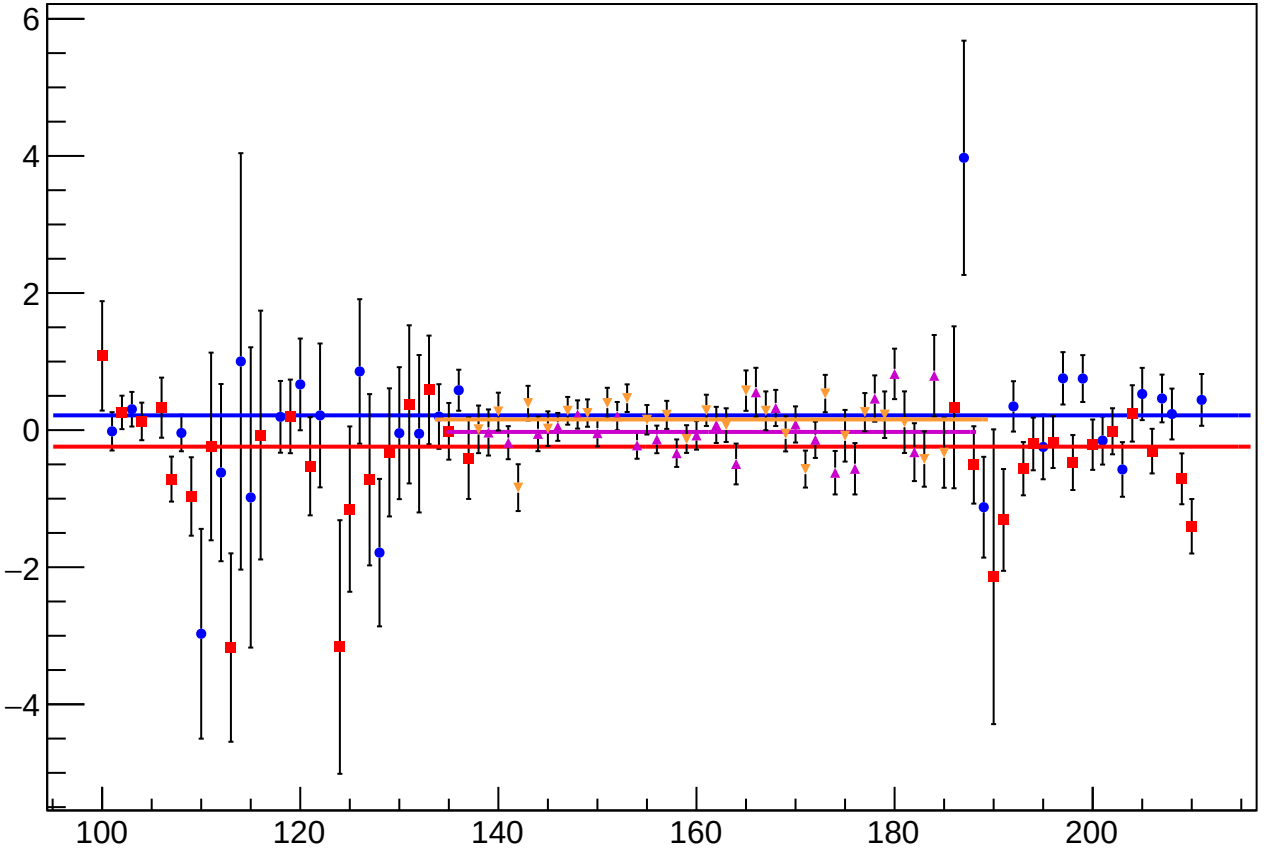
Right: 5540.202+/-0.691 χ^2/NDF: 4289125.7/60

In: 5917.221+/-0.723 χ^2/NDF:2400290.4/50

Out: 5840.020+/-0.694 χ^2/NDF:3422341.3/57

All: 5877.006+/-0.501 χ^2/NDF: 5828564.5/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.215+/-0.084 χ^2/NDF: 33.0/27

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.241+/-0.082 χ^2/NDF: 40.9/32

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

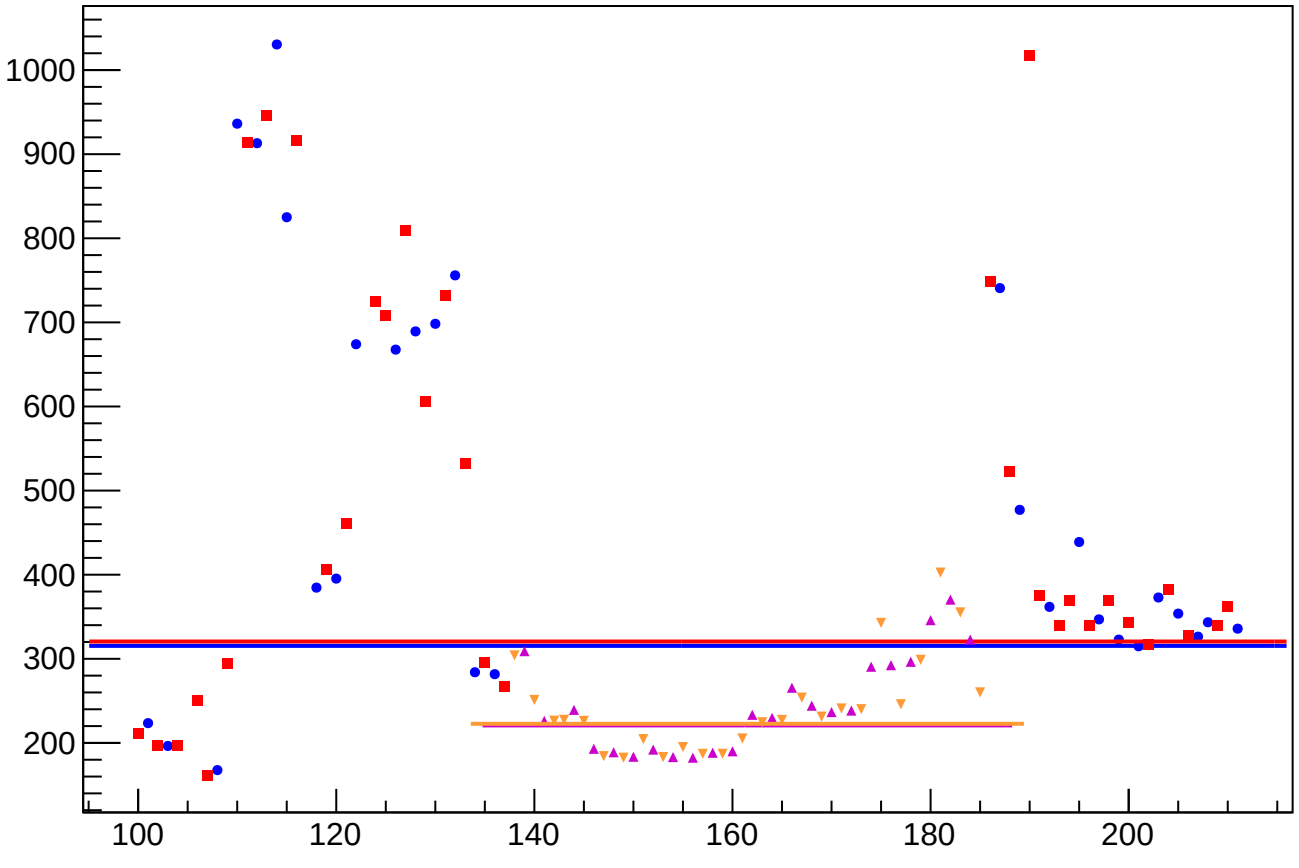
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.016+/-0.059 χ^2/NDF: 89.1/60

In: 0.043+/-0.045 χ^2/NDF:68.8/50

Out: 0.043+/-0.044 χ^2/NDF:89.8/57

All: 0.043+/-0.031 χ^2/NDF: 158.6/108



Right In: 315.384+/-0.059 χ^2/NDF: 4141975.3/27

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 320.559+/-0.058 χ^2/NDF: 4729973.7/32

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

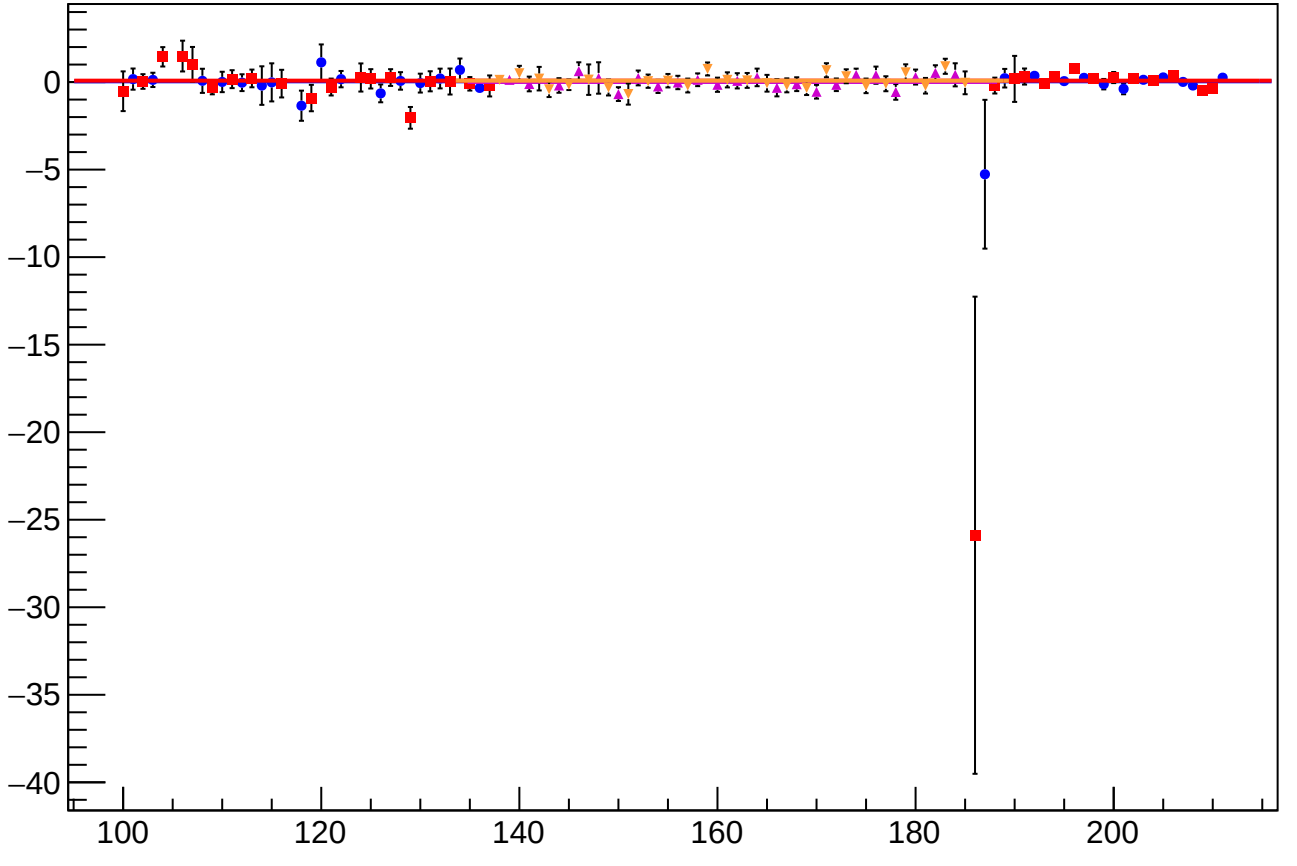
Right: 318.009+/-0.041 χ^2/NDF: 8875841.7/60

In: 247.921+/-0.032 χ^2/NDF:7441817.2/50

Out: 250.554+/-0.031 χ^2/NDF:8201848.1/57

All: 249.262+/-0.022 χ^2/NDF: 15647194.8/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.067 χ^2/NDF: 17.7/27

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.081+/-0.067 χ^2/NDF: 50.1/32

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

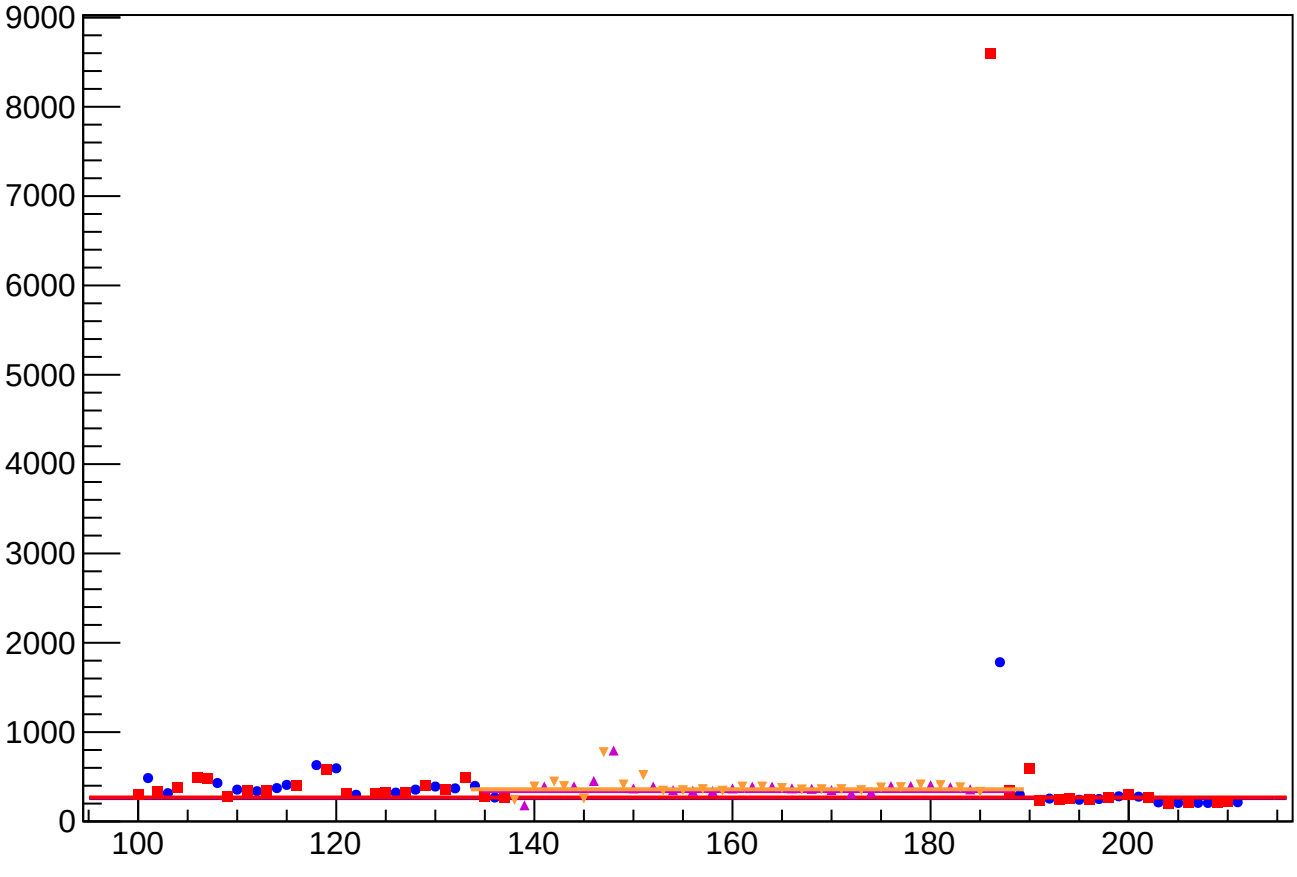
Right: 0.062+/-0.047 χ^2/NDF: 67.9/60

In: 0.030+/-0.052 χ^2/NDF:33.0/50

Out: 0.080+/-0.052 χ^2/NDF:69.0/57

All: 0.055+/-0.037 χ^2/NDF: 102.5/108

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 261.625+/-0.048 χ^2/NDF: 2378956.2/27

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 268.104+/-0.047 χ^2/NDF: 2739441.4/32

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

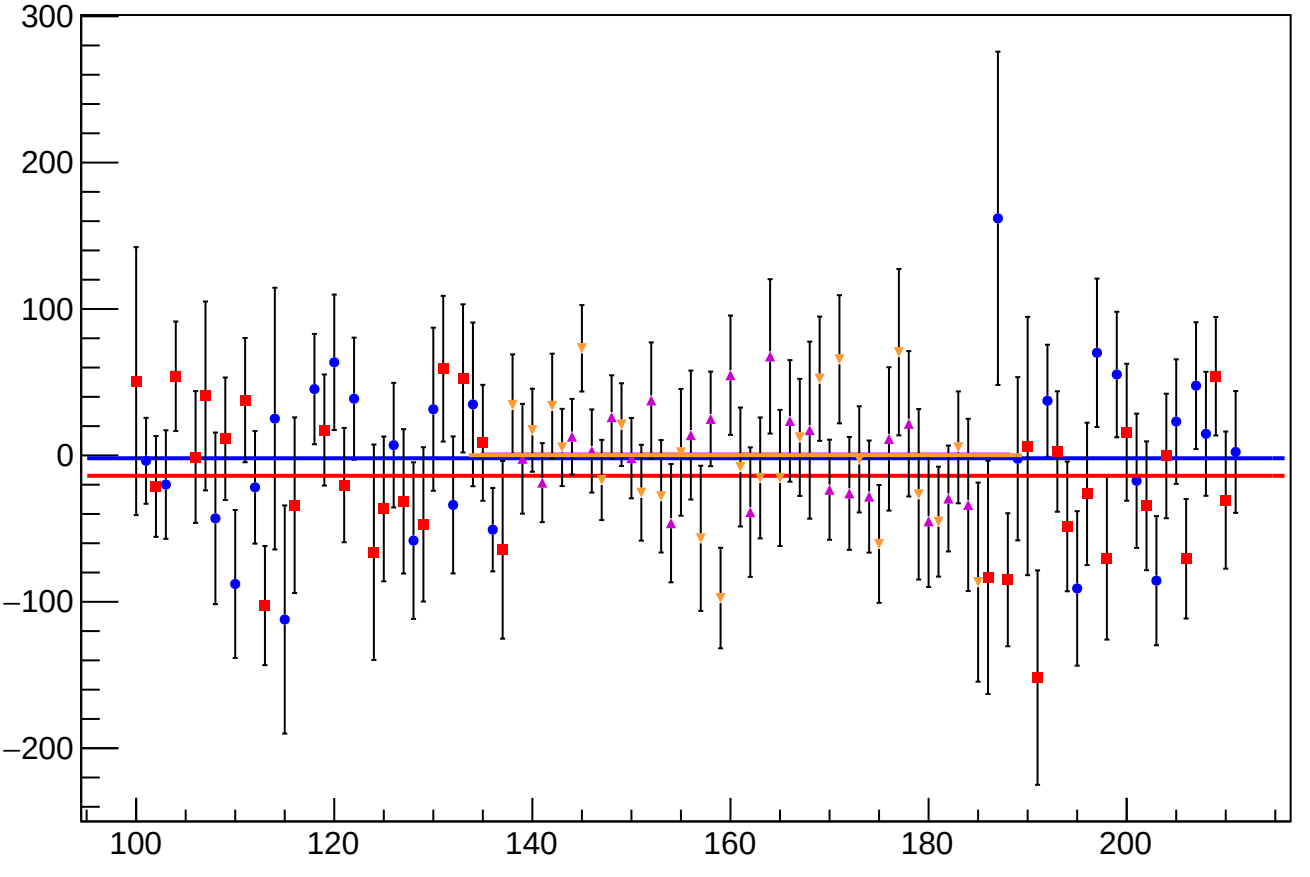
Right: 264.889+/-0.034 χ^2/NDF: 5127723.6/60

In: 292.831+/-0.037 χ^2/NDF:5682809.5/50

Out: 303.580+/-0.037 χ^2/NDF:5538918.9/57

All: 298.192+/-0.026 χ^2/NDF: 11263949.0/10

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

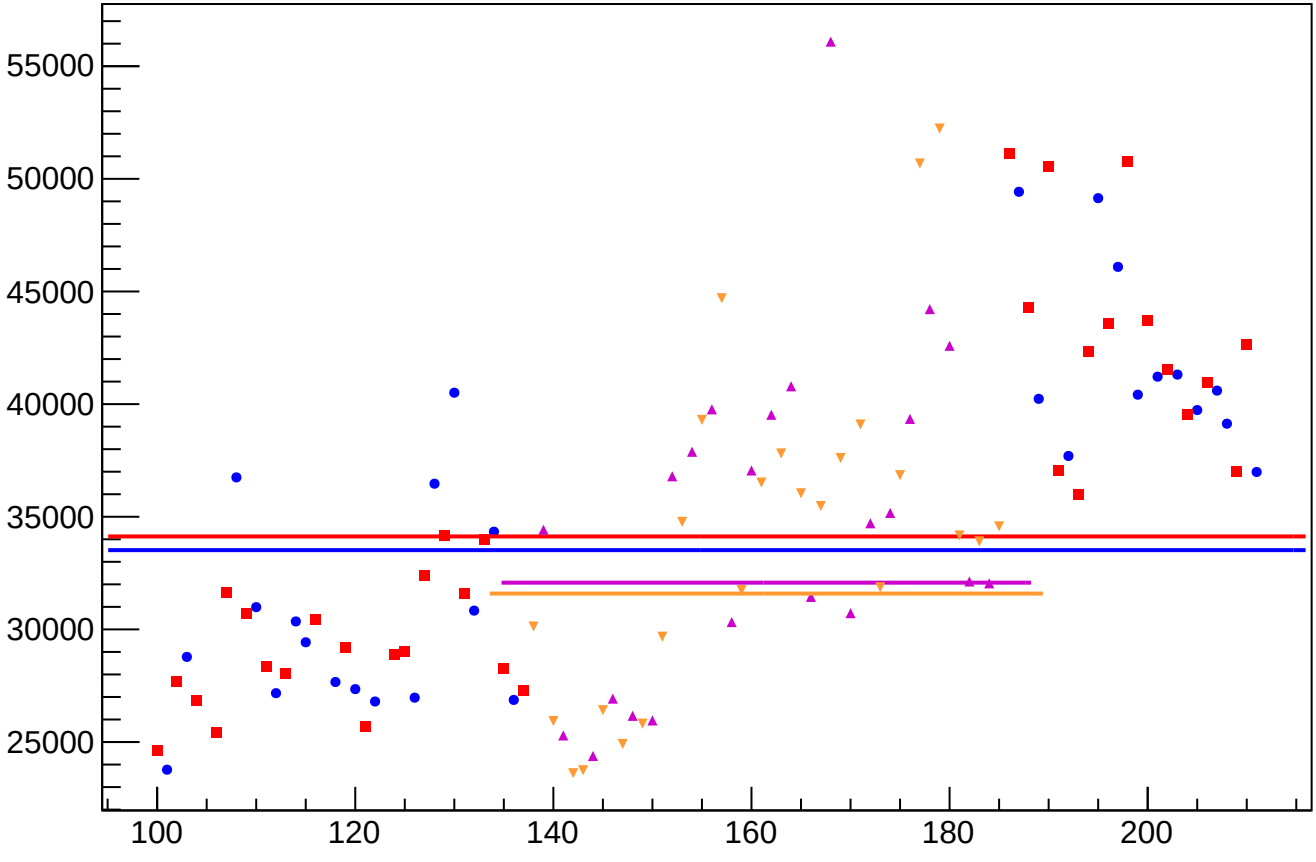
Right: -8.081+/-5.878 χ^2/NDF: 64.6/60

In: -0.560+/-5.669 χ^2/NDF:44.0/50

Out: -6.121+/-5.486 χ^2/NDF:65.2/57

All: -3.432+/-3.942 χ^2/NDF: 109.7/108

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 33518.027+/-5.954 χ^2/NDF: 1369910.2/27

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34126.630+/-5.805 χ^2/NDF: 1478401.3/32

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

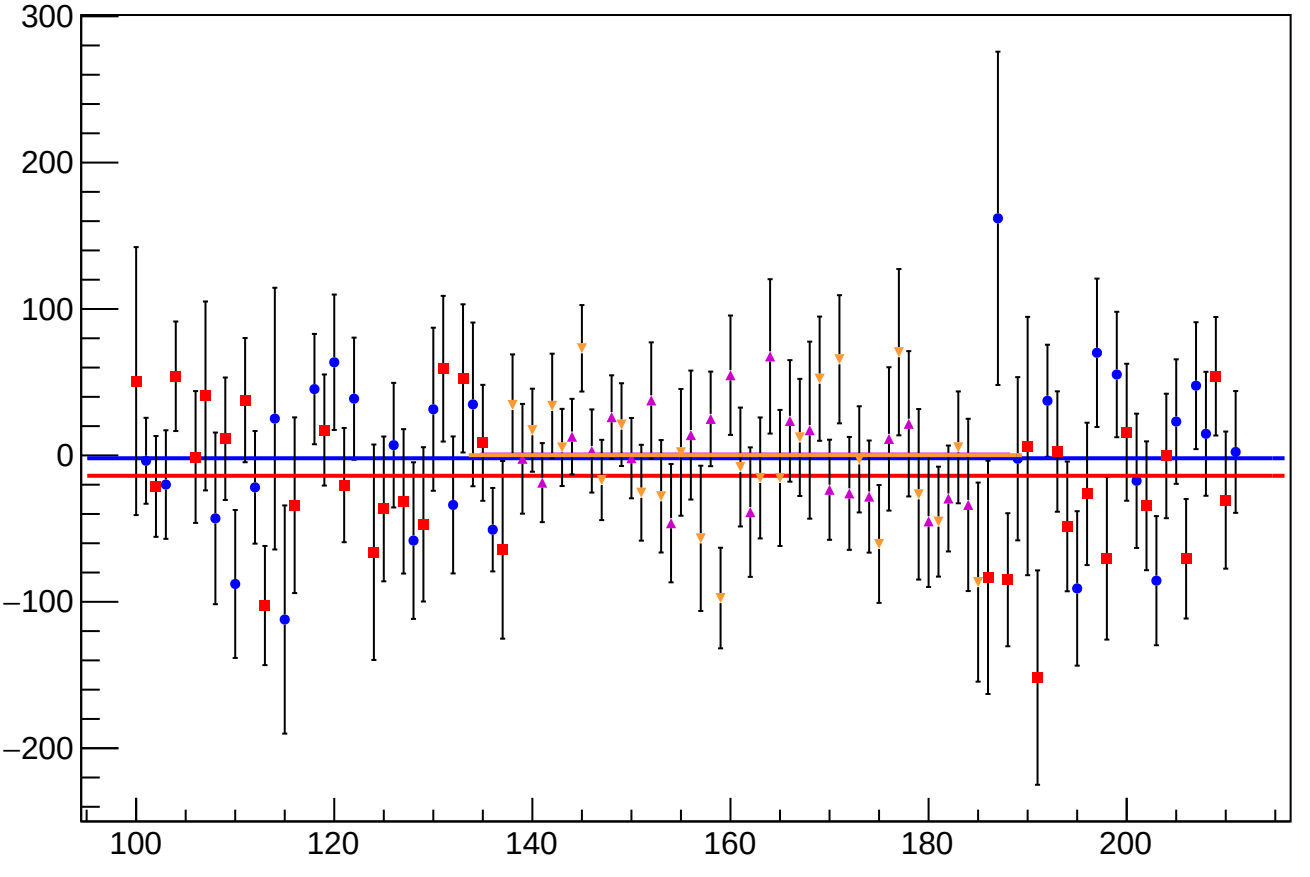
Right: 33830.062+/-4.157 χ^2/NDF: 2853667.6/60

In: 32729.074+/-4.009 χ^2/NDF:2857732.7/50

Out: 32722.741+/-3.879 χ^2/NDF:3174952.3/57

All: 32725.803+/-2.788 χ^2/NDF: 6032686.3/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

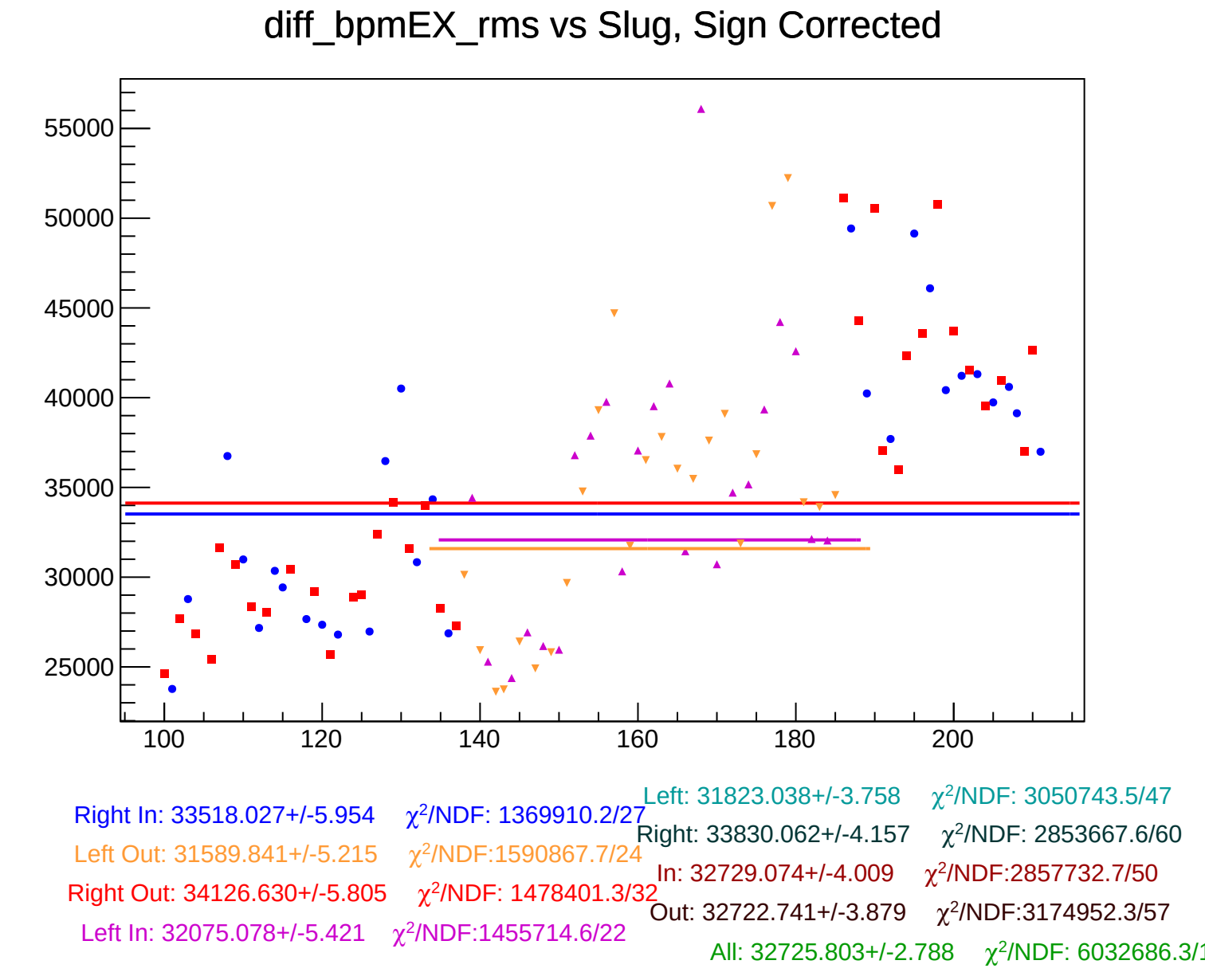
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.081+/-5.878 χ^2/NDF: 64.6/60

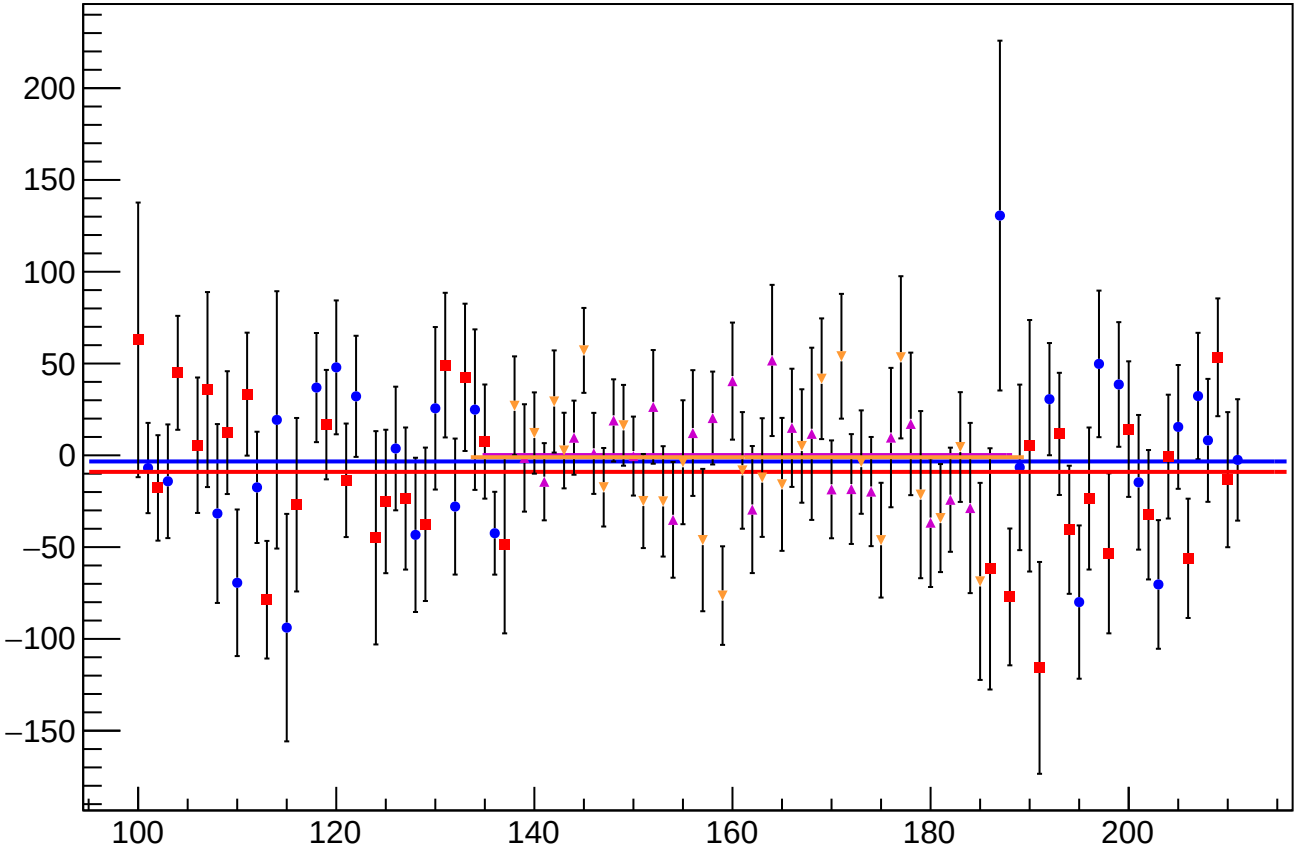
In: -0.560+/-5.669 χ^2/NDF:44.0/50

Out: -6.121+/-5.486 χ^2/NDF:65.2/57

All: -3.432+/-3.942 χ^2/NDF: 109.7/108


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33518.027+/-5.954 χ²/NDF: 1369910.2/27
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34126.630+/-5.805 χ²/NDF: 1478401.3/32
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33830.062+/-4.157 χ²/NDF: 2853667.6/60
In: 32729.074+/-4.009 χ²/NDF:2857732.7/50
Out: 32722.741+/-3.879 χ²/NDF:3174952.3/57
All: 32725.803+/-2.788 χ²/NDF: 6032686.3/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.335+/-6.726 χ^2/NDF: 31.0/27

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -9.016+/-6.554 χ^2/NDF: 35.1/32

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

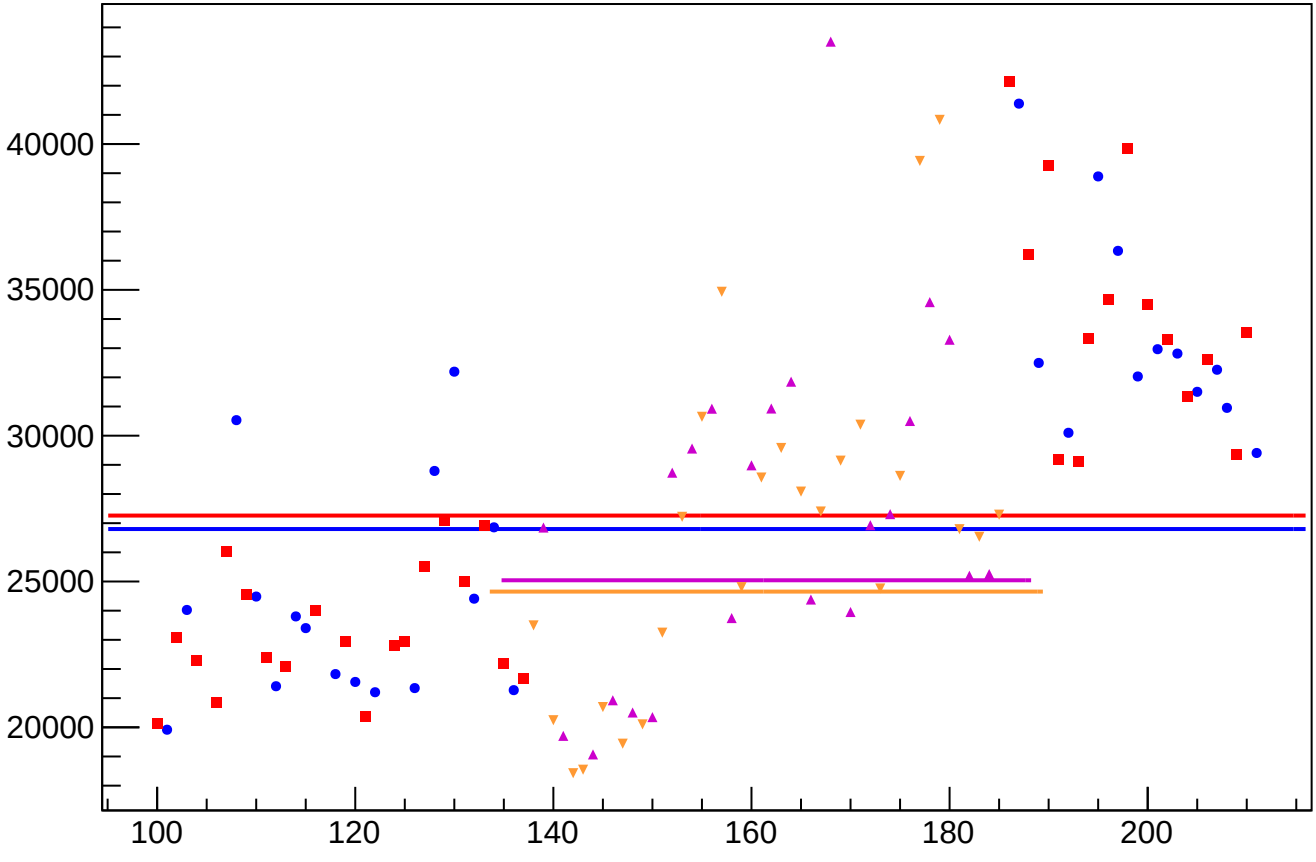
Right: -6.249+/-4.694 χ^2/NDF: 66.5/60

In: -1.392+/-4.471 χ^2/NDF:43.3/50

Out: -4.513+/-4.324 χ^2/NDF:68.3/57

All: -3.005+/-3.108 χ^2/NDF: 111.8/108

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 26798.957+/-4.756 χ^2/NDF: 1313434.0/27

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27260.744+/-4.634 χ^2/NDF: 1433370.1/32

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

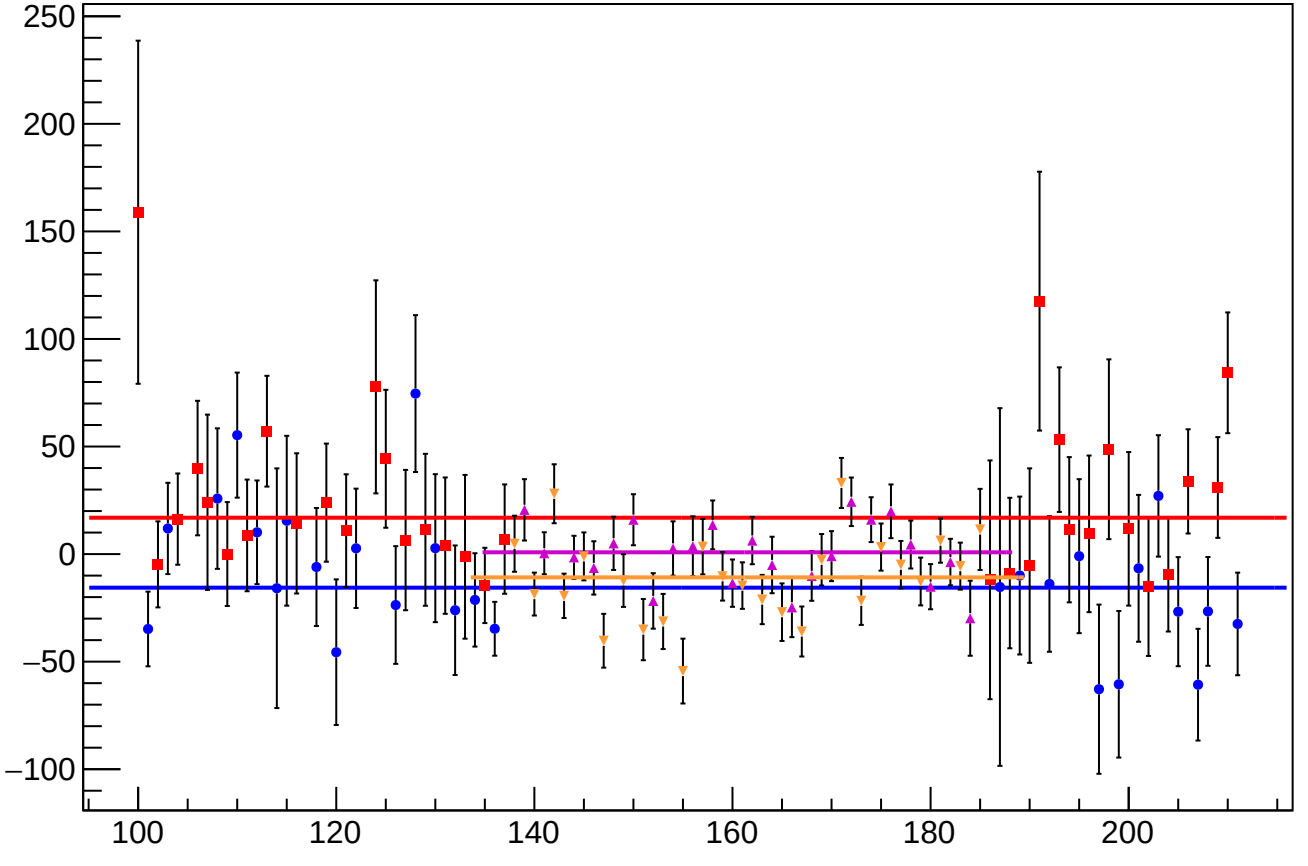
Right: 27035.823+/-3.319 χ^2/NDF: 2751640.2/60

In: 25818.391+/-3.161 χ^2/NDF:2831247.2/50

Out: 25788.788+/-3.058 χ^2/NDF:3194737.9/57

All: 25803.096+/-2.198 χ^2/NDF: 6026030.3/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -15.612+/-5.060 χ^2/NDF: 32.2/27

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 16.906+/-5.163 χ^2/NDF: 28.5/32

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

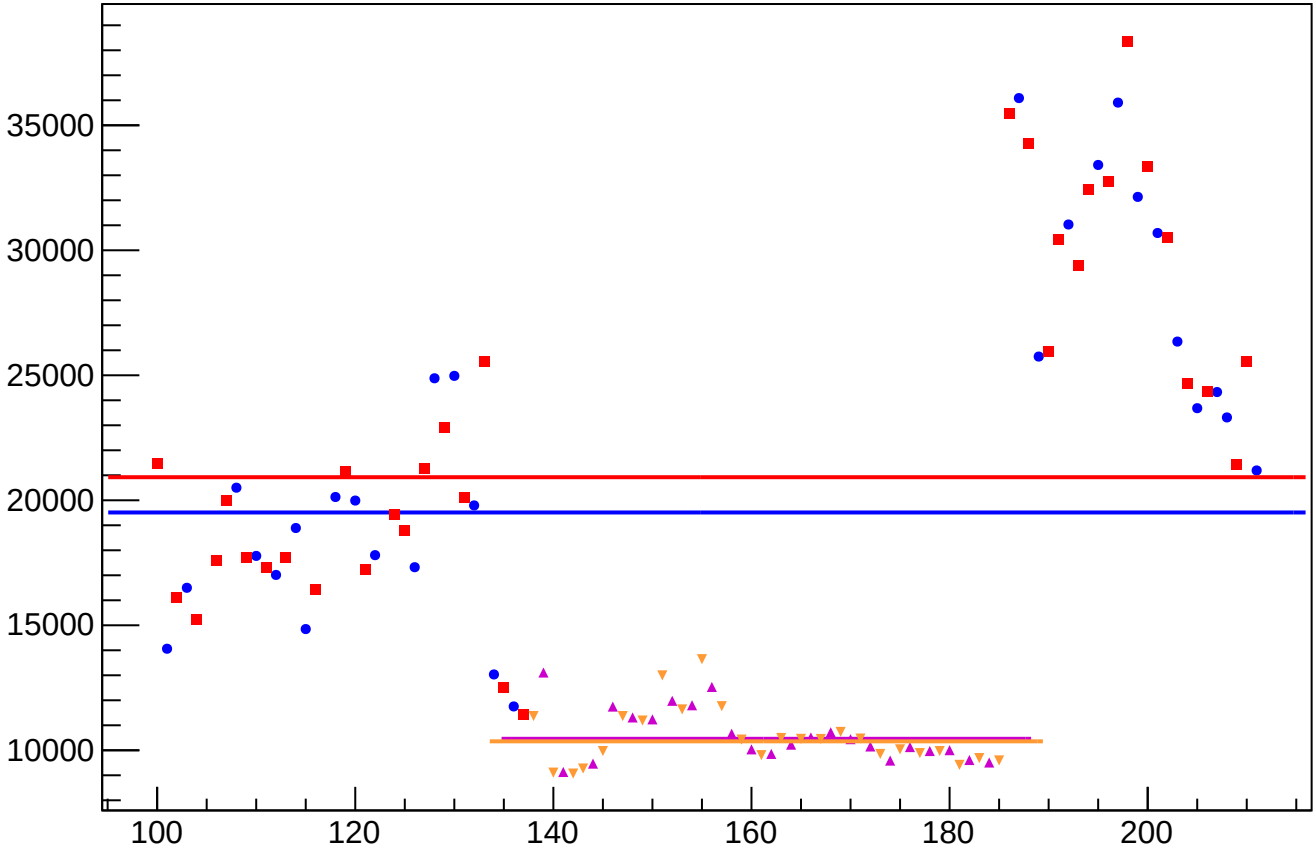
Right: 0.318+/-3.614 χ^2/NDF: 80.9/60

In: -2.310+/-2.210 χ^2/NDF:70.1/50

Out: -5.996+/-2.154 χ^2/NDF:113.6/57

All: -4.200+/-1.543 χ^2/NDF: 185.1/108

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 19512.650+/-3.578 χ^2/NDF: 3197445.8/27

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20923.355+/-3.651 χ^2/NDF: 3231360.4/32

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

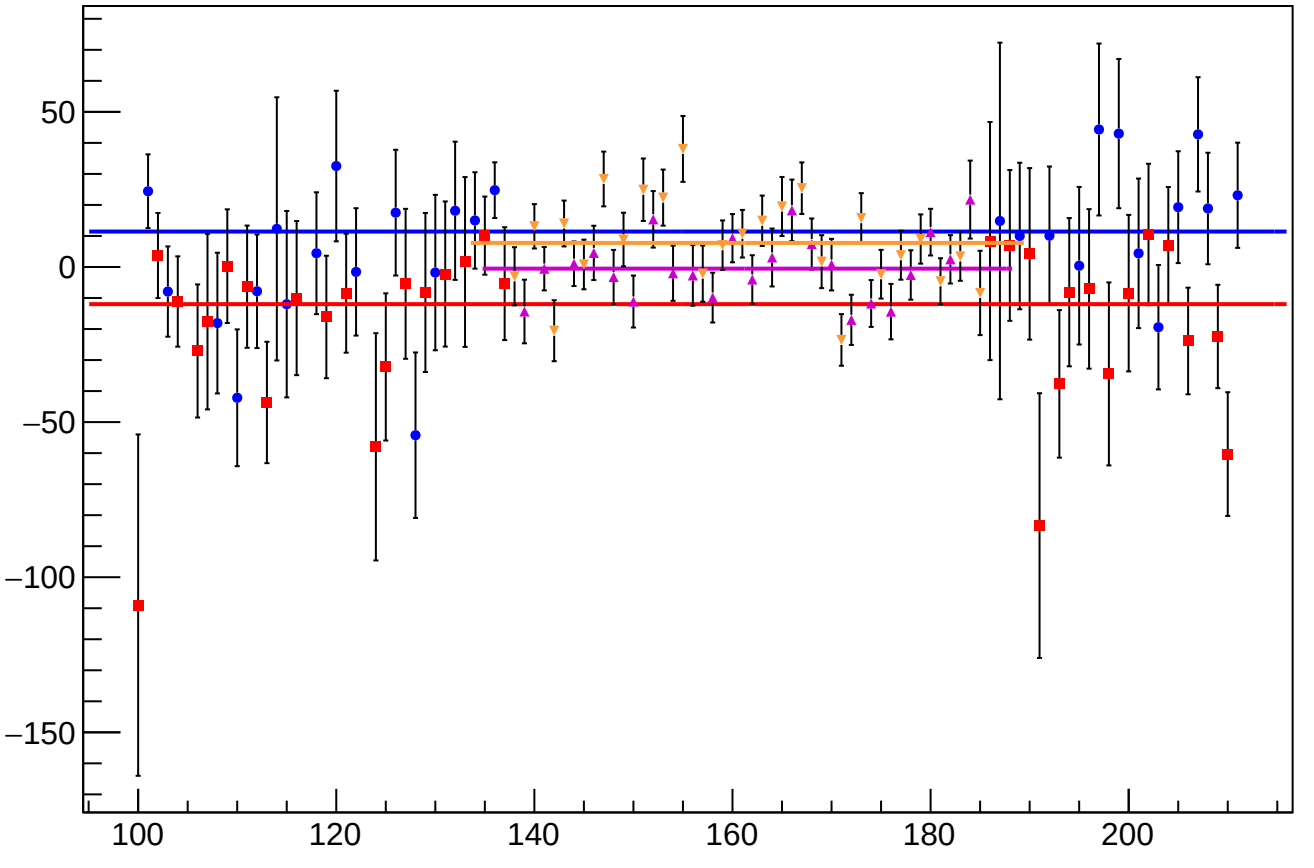
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20203.742+/-2.555 χ^2/NDF: 6504961.6/60

In: 12186.477+/-1.563 χ^2/NDF:8693238.8/50

Out: 12197.338+/-1.523 χ^2/NDF:10510372.7/57

All: 12192.047+/-1.091 χ^2/NDF: 19203636.3/



Right In: 11.426+/-3.613 χ^2/NDF: 31.8/27

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -11.970+/-3.693 χ^2/NDF: 28.8/32

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

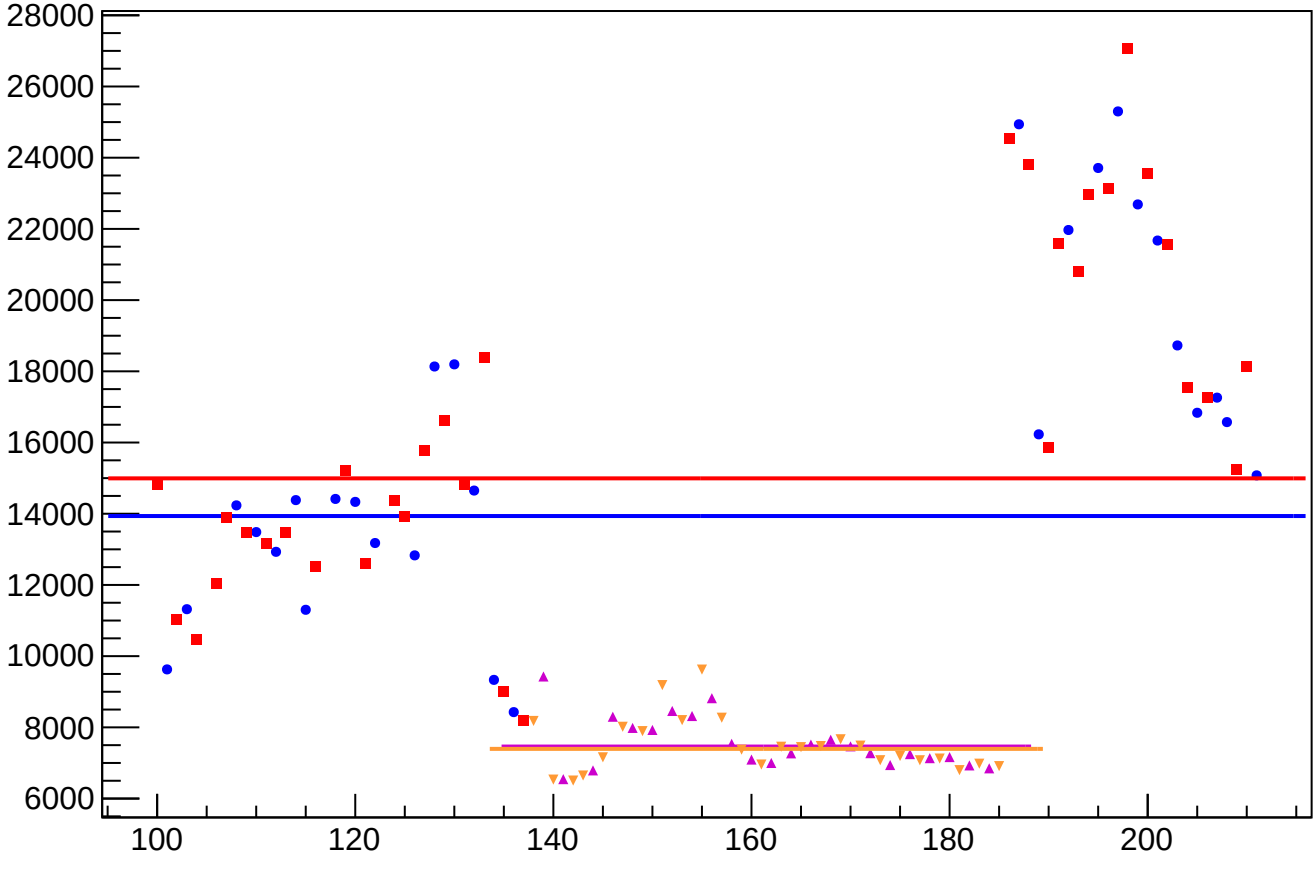
Right: -0.016+/-2.583 χ^2/NDF: 81.1/60

In: 1.745+/-1.576 χ^2/NDF:70.2/50

Out: 4.341+/-1.538 χ^2/NDF:113.3/57

All: 3.075+/-1.101 χ^2/NDF: 184.9/108

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13935.501+/-2.555 χ^2/NDF: 3137262.5/27

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14993.516+/-2.611 χ^2/NDF: 3108145.9/32

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

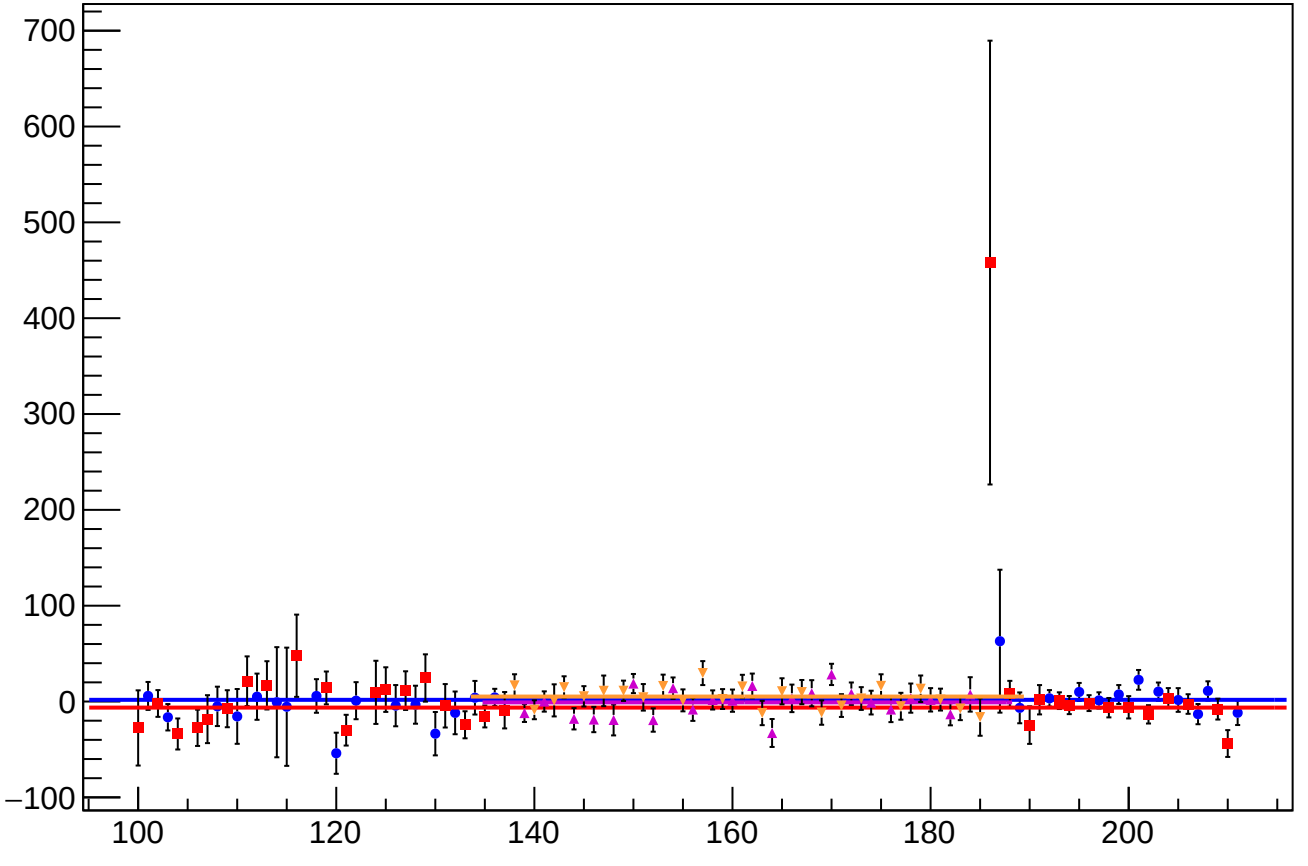
Right: 14452.907+/-1.826 χ^2/NDF: 6329286.8/60

In: 8693.485+/-1.115 χ^2/NDF:8621781.5/50

Out: 8713.177+/-1.087 χ^2/NDF:10430186.0/57

All: 8703.575+/-0.778 χ^2/NDF: 19052127.4/

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 1.769+/-2.554 χ^2/NDF: 23.1/27

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -6.330+/-2.472 χ^2/NDF: 33.6/32

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

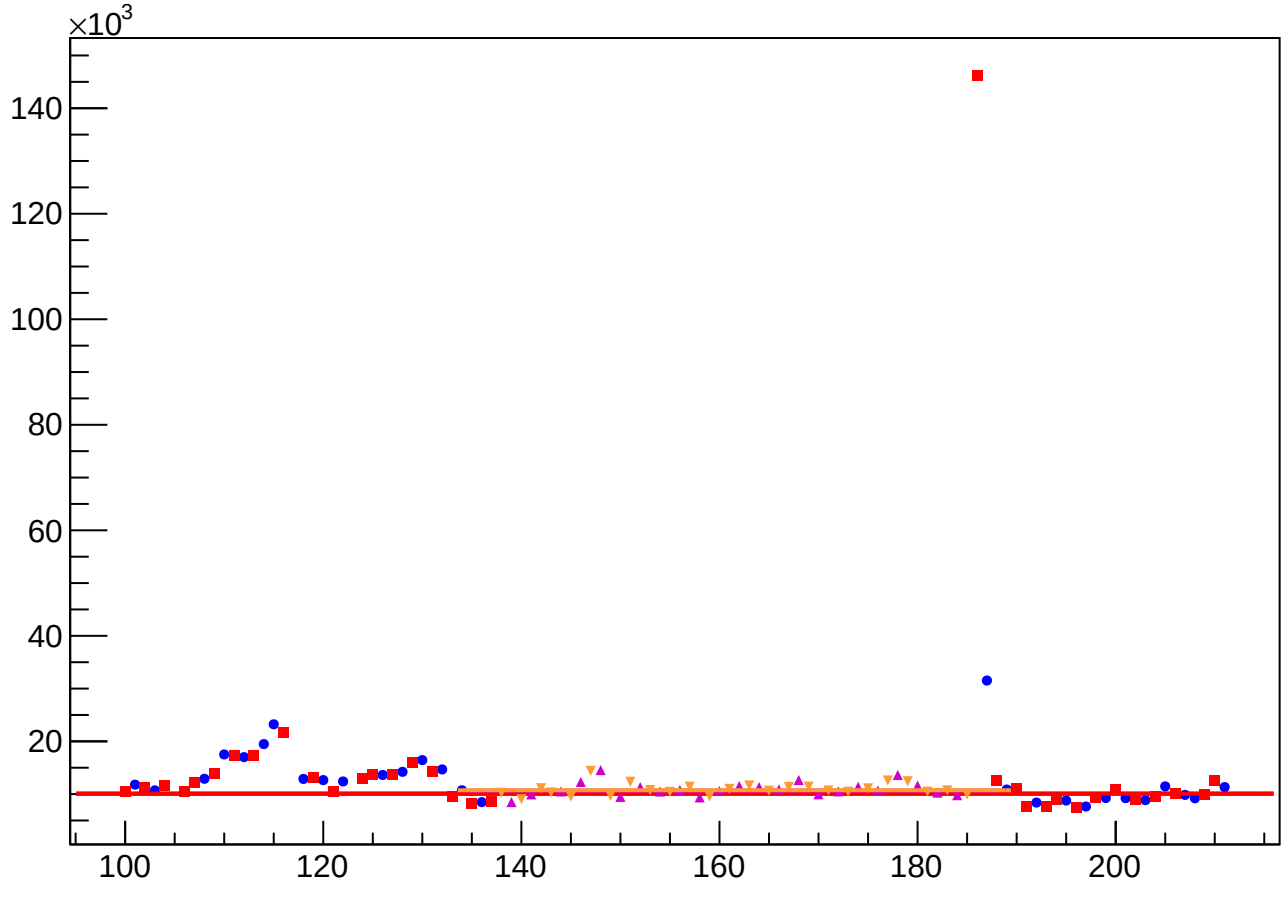
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -2.412+/-1.777 χ^2/NDF: 61.9/60

In: 0.420+/-1.793 χ^2/NDF:55.4/50

Out: -0.544+/-1.743 χ^2/NDF:62.9/57

All: -0.076+/-1.250 χ^2/NDF: 118.5/108



Right In: 10082.759+/-1.806 χ^2/NDF: 1644413.4/27

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10090.839+/-1.748 χ^2/NDF: 2359742.3/32

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

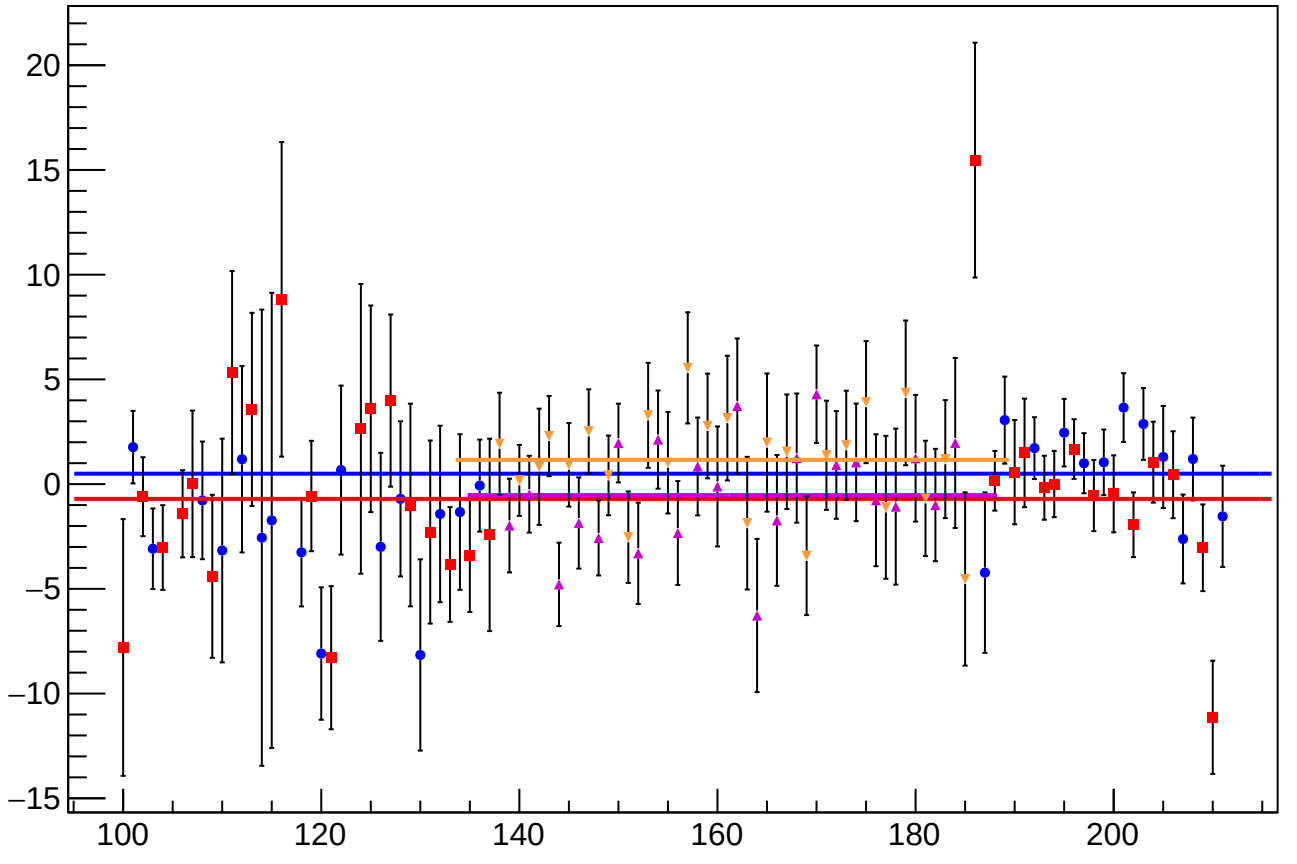
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10086.931+/-1.256 χ^2/NDF: 4004166.1/60

In: 10384.147+/-1.268 χ^2/NDF:2199903.3/50

Out: 10414.066+/-1.233 χ^2/NDF:2796006.1/57

All: 10399.529+/-0.884 χ^2/NDF: 4996195.5/



Right In: 0.498+/-0.438 χ^2/NDF: 33.3/27

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.704+/-0.412 χ^2/NDF: 48.3/32

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

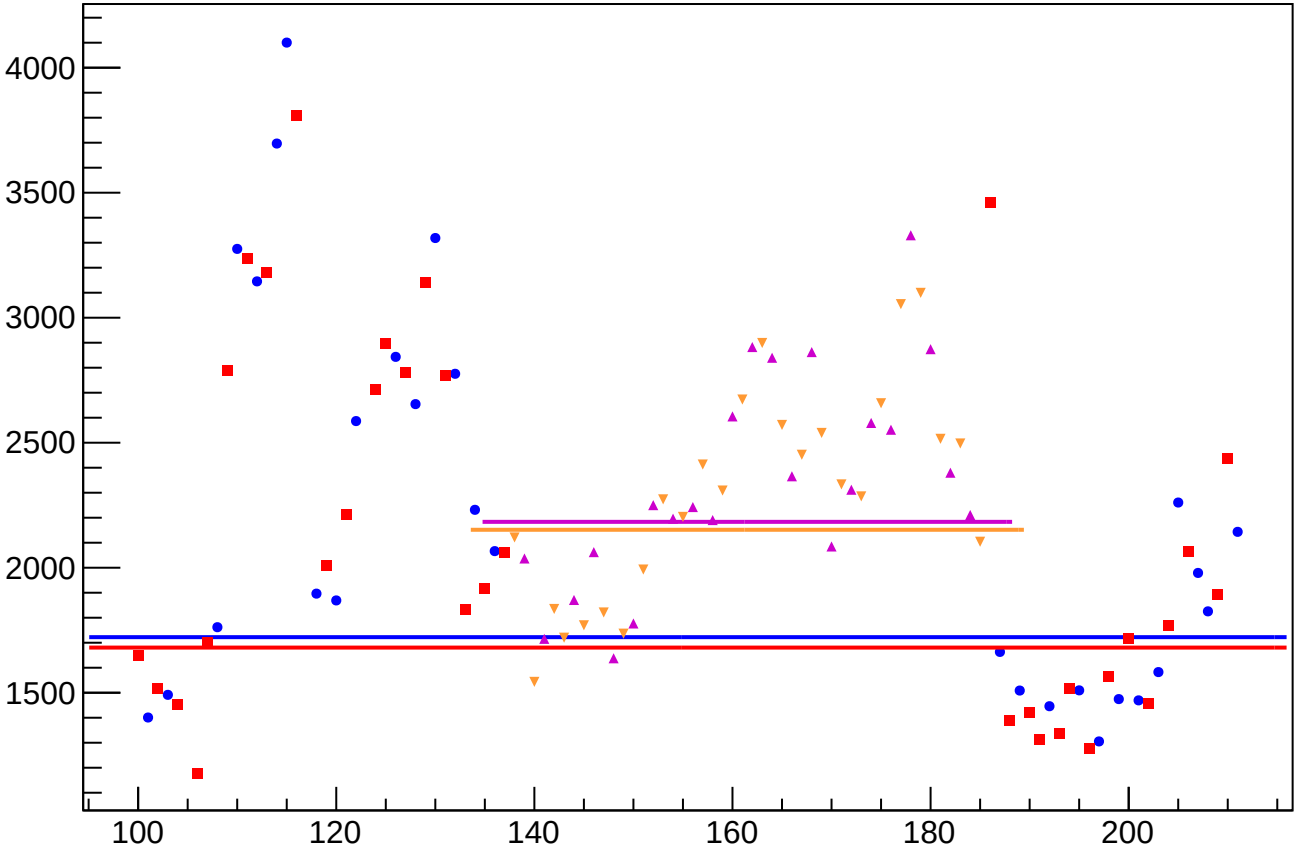
Right: -0.139+/-0.300 χ^2/NDF: 85.6/60

In: 0.075+/-0.335 χ^2/NDF:57.8/50

Out: 0.049+/-0.318 χ^2/NDF:73.4/57

All: 0.061+/-0.231 χ^2/NDF: 131.2/108

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1722.254+/-0.310 χ^2/NDF: 2045579.2/27

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1680.576+/-0.291 χ^2/NDF: 2560815.7/32

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

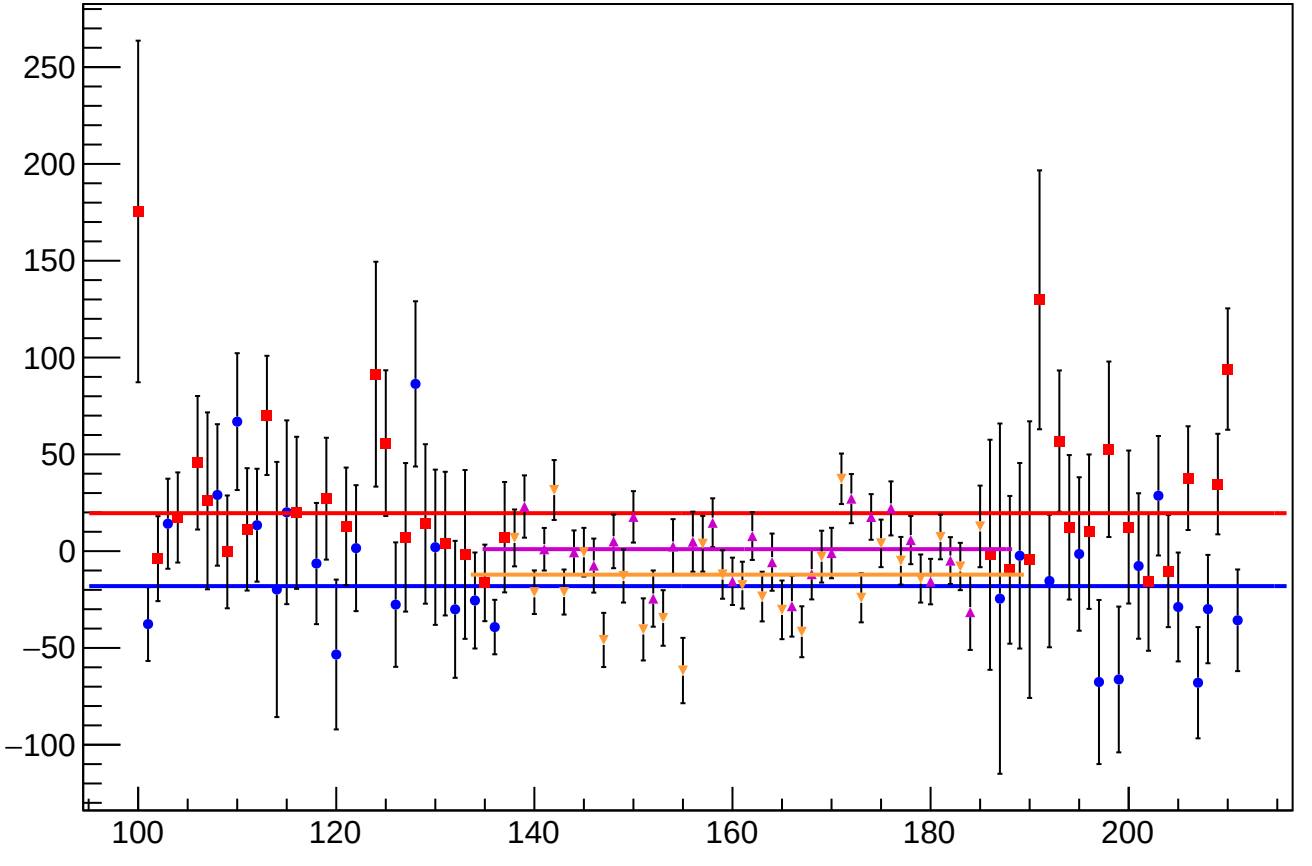
Right: 1700.146+/-0.212 χ^2/NDF: 4616005.2/60

In: 1913.684+/-0.237 χ^2/NDF:4128726.2/50

Out: 1871.061+/-0.225 χ^2/NDF:4967849.0/57

All: 1891.269+/-0.163 χ^2/NDF: 9113609.9/10

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -18.061+/-5.723 χ^2/NDF: 31.8/27

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 19.610+/-5.857 χ^2/NDF: 28.4/32

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

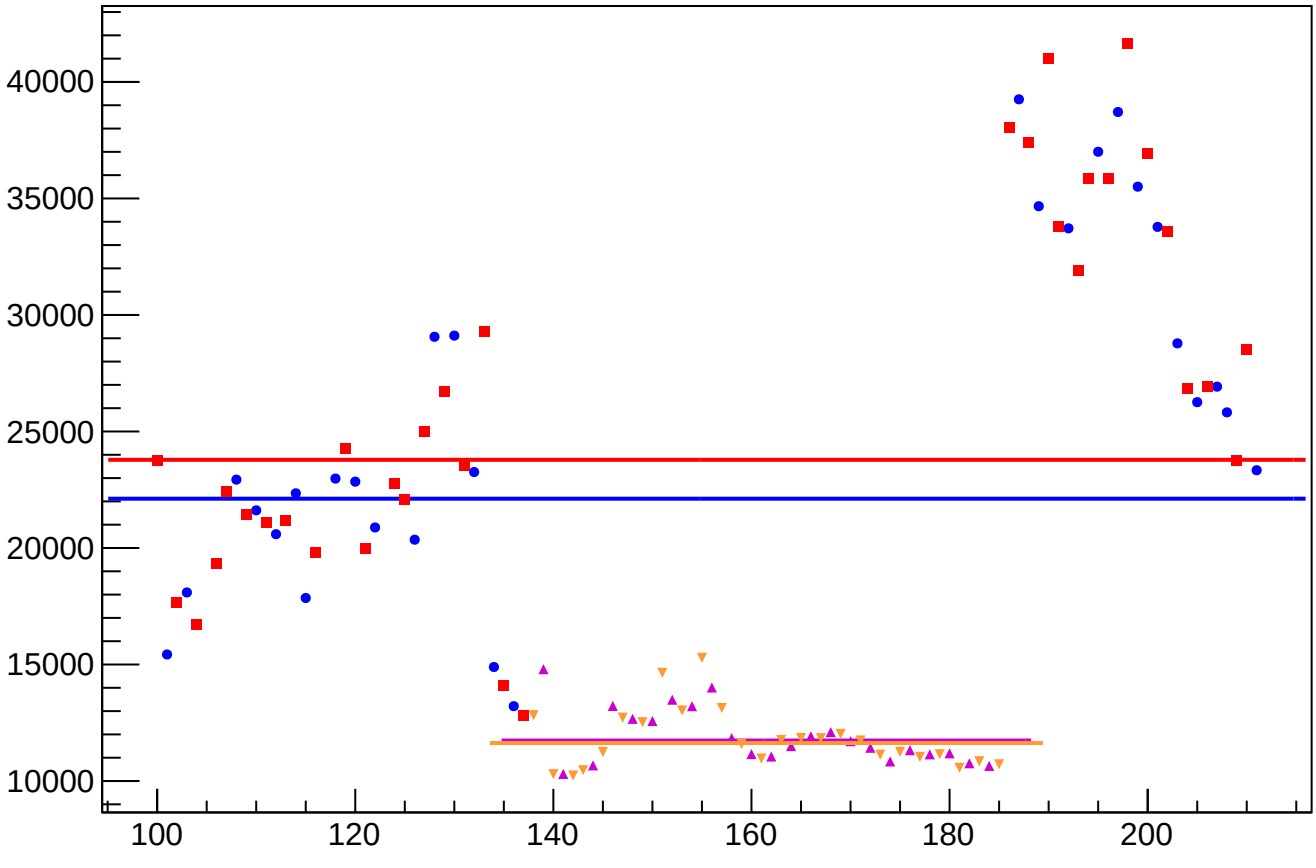
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: 0.341+/-4.093 χ^2/NDF: 81.4/60

In: -2.572+/-2.484 χ^2/NDF:69.6/50

Out: -6.703+/-2.423 χ^2/NDF:115.4/57

All: -4.689+/-1.734 χ^2/NDF: 186.5/108



Right In: 22115.992+/-4.047 χ^2/NDF: 3132522.6/27

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 23784.724+/-4.141 χ^2/NDF: 3093641.9/32

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

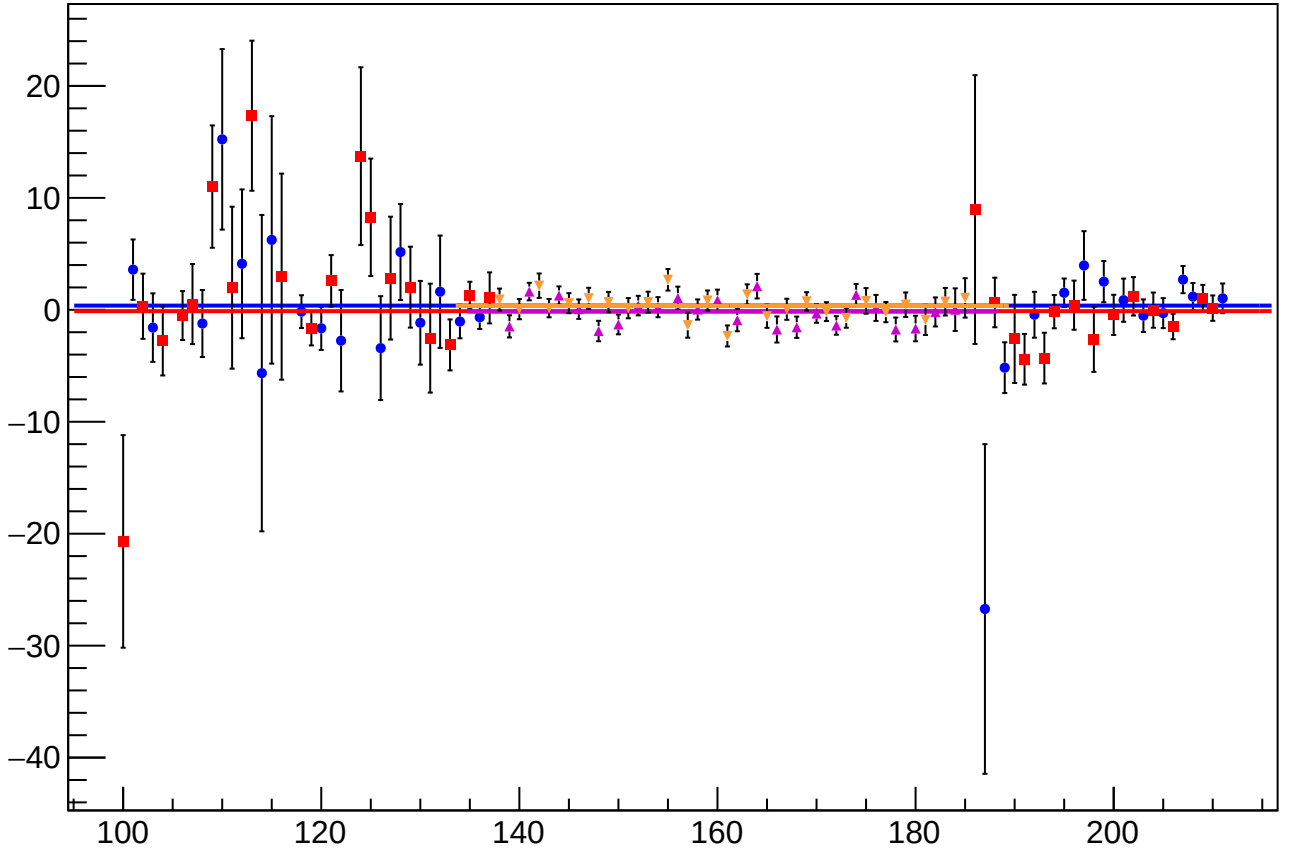
Right: 22931.141+/-2.895 χ^2/NDF: 6309213.2/60

In: 13693.478+/-1.757 χ^2/NDF:8782465.9/50

Out: 13710.004+/-1.713 χ^2/NDF:10589222.8/57

All: 13701.948+/-1.226 χ^2/NDF: 19371734.1

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: 0.377+/-0.366 χ^2/NDF: 30.2/27

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.119+/-0.371 χ^2/NDF: 40.9/32

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

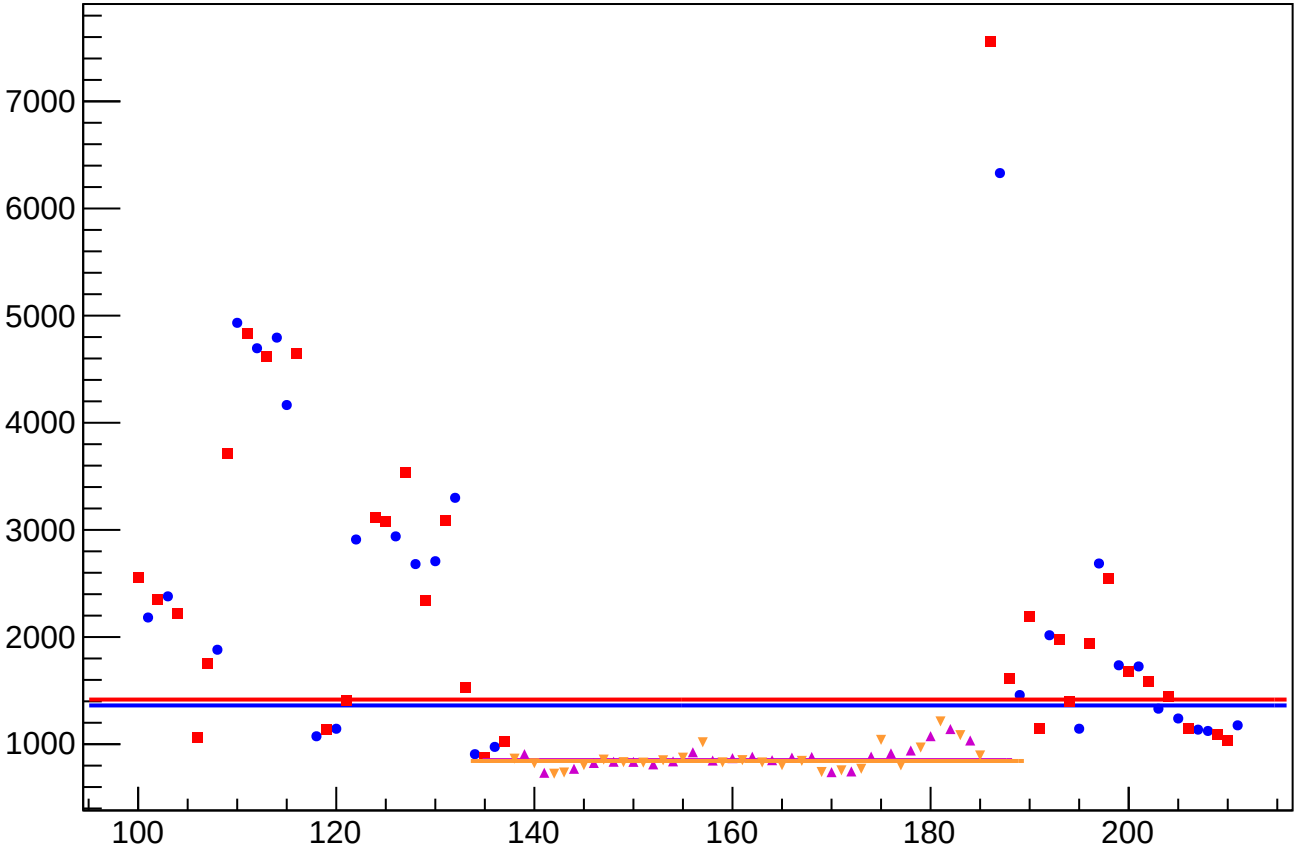
Right: 0.132+/-0.261 χ^2/NDF: 72.0/60

In: -0.040+/-0.176 χ^2/NDF:68.2/50

Out: 0.244+/-0.172 χ^2/NDF:68.9/57

All: 0.106+/-0.123 χ^2/NDF: 138.4/108

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1361.581+/-0.259 χ^2/NDF: 4611111.3/27

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1416.549+/-0.263 χ^2/NDF: 5169651.1/32

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

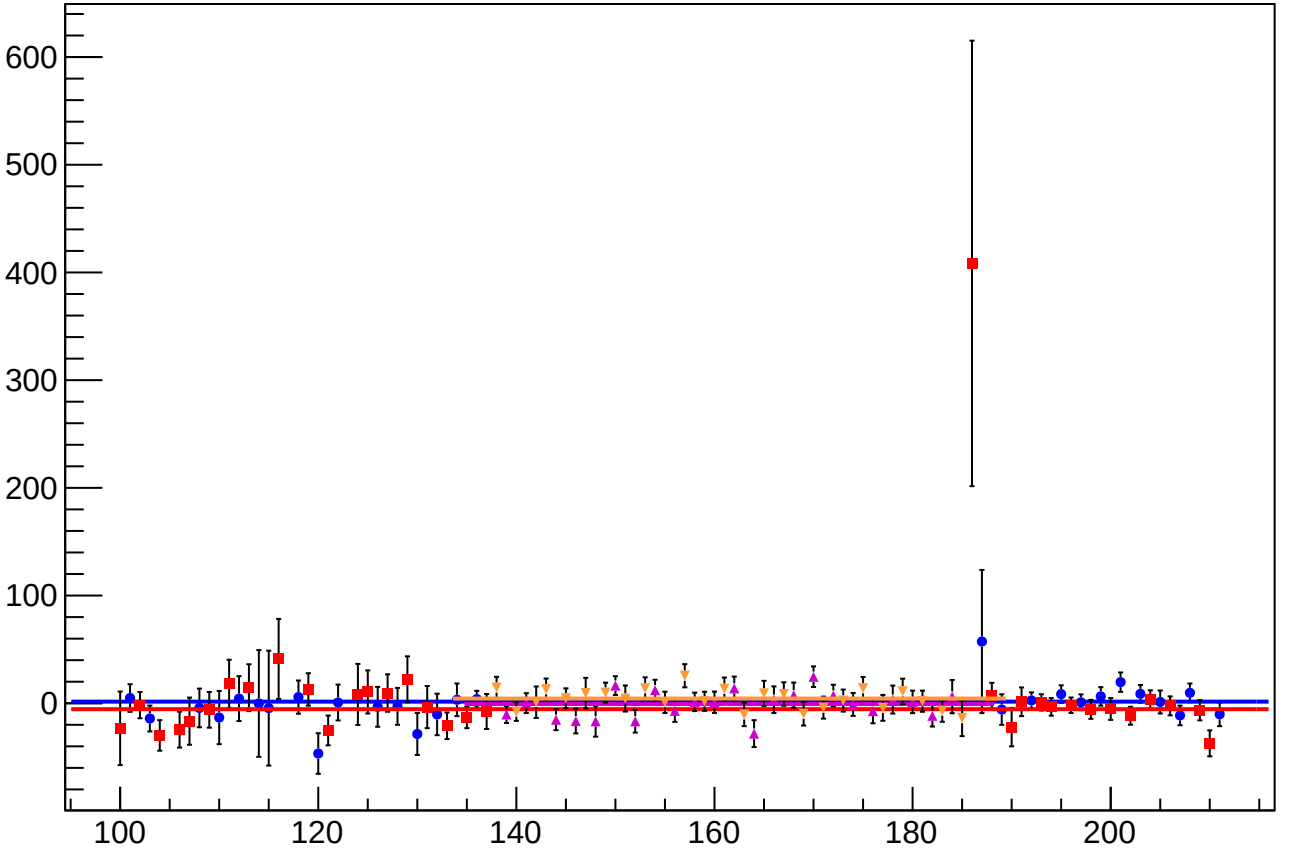
Right: 1388.676+/-0.184 χ^2/NDF: 9802974.9/60

In: 969.567+/-0.125 χ^2/NDF:7975201.6/50

Out: 965.904+/-0.121 χ^2/NDF:9420193.0/57

All: 967.690+/-0.087 χ^2/NDF: 17395838.1/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 1.511+/-2.214 χ^2/NDF: 22.8/27

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -5.486+/-2.146 χ^2/NDF: 33.3/32

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

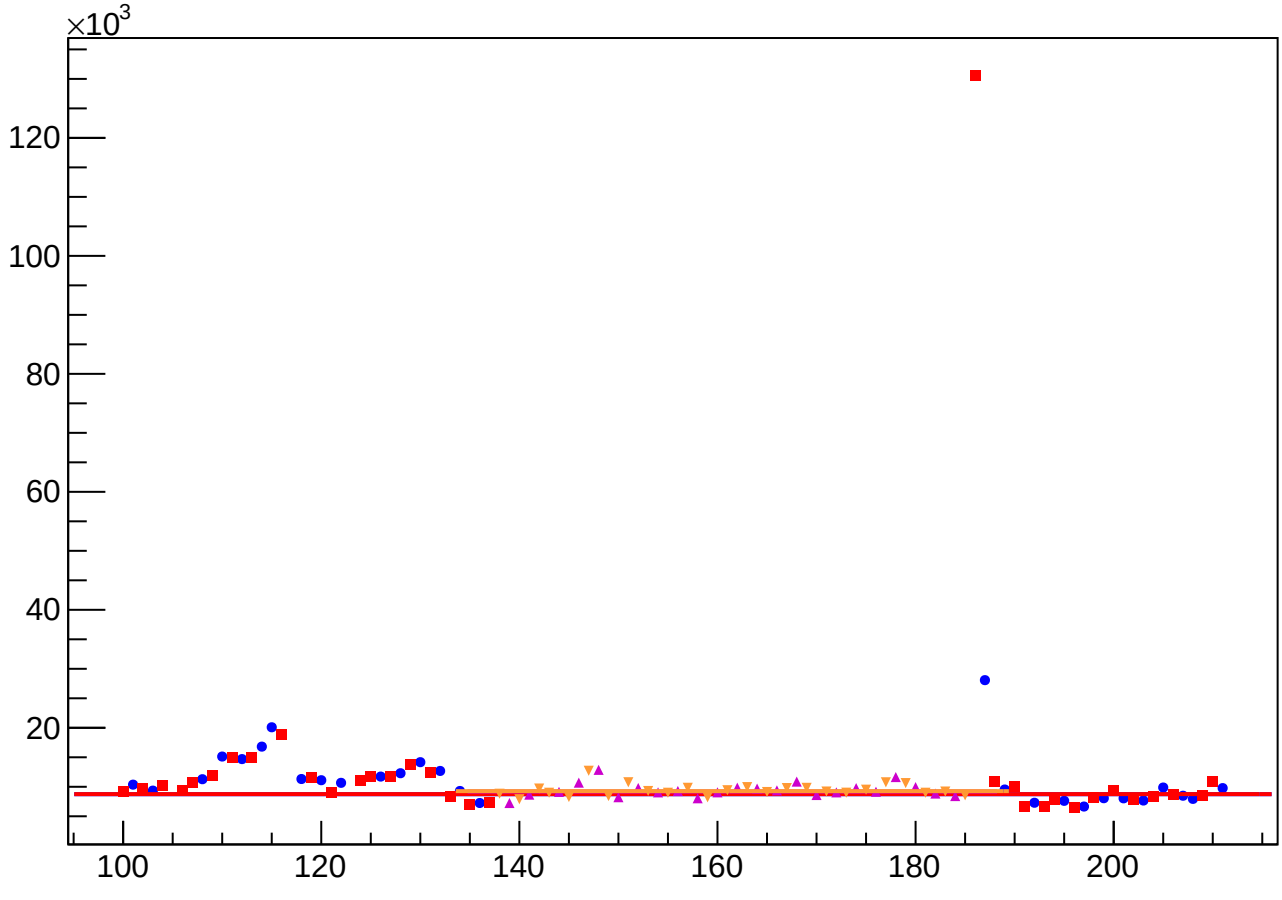
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.096+/-1.541 χ^2/NDF: 61.2/60

In: 0.366+/-1.550 χ^2/NDF:55.3/50

Out: -0.495+/-1.509 χ^2/NDF:62.6/57

All: -0.076+/-1.081 χ^2/NDF: 118.0/108



Right In: 8736.634+/-1.565 χ^2/NDF: 1653886.3/27

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8755.514+/-1.517 χ^2/NDF: 2362373.2/32

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

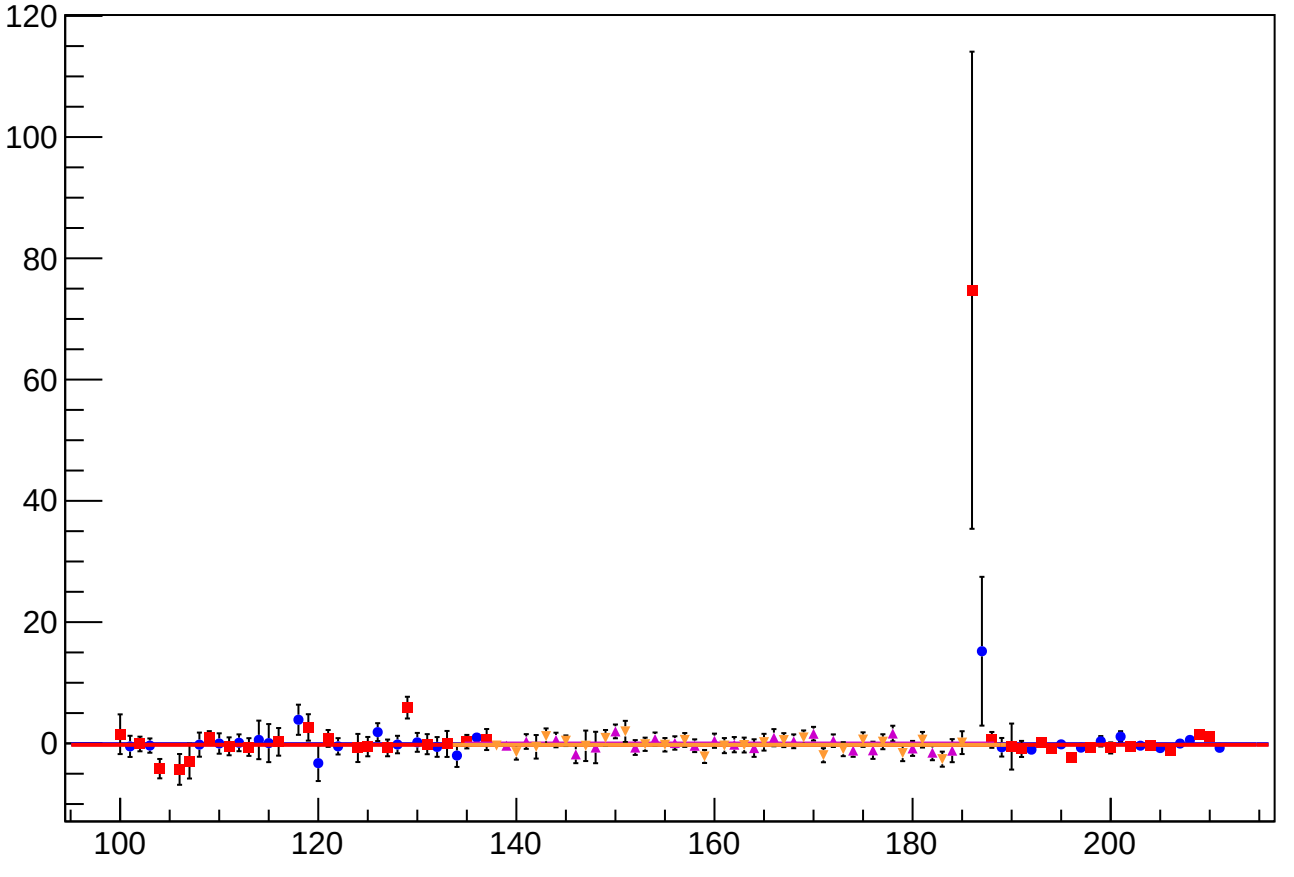
Right: 8746.368+/-1.090 χ^2/NDF: 4016334.4/60

In: 8972.661+/-1.096 χ^2/NDF:2213965.3/50

Out: 9011.423+/-1.067 χ^2/NDF:2784680.7/57

All: 8992.564+/-0.764 χ^2/NDF: 4999288.2/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.125+/-0.194 χ^2/NDF: 17.7/27

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.233+/-0.193 χ^2/NDF: 50.1/32

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

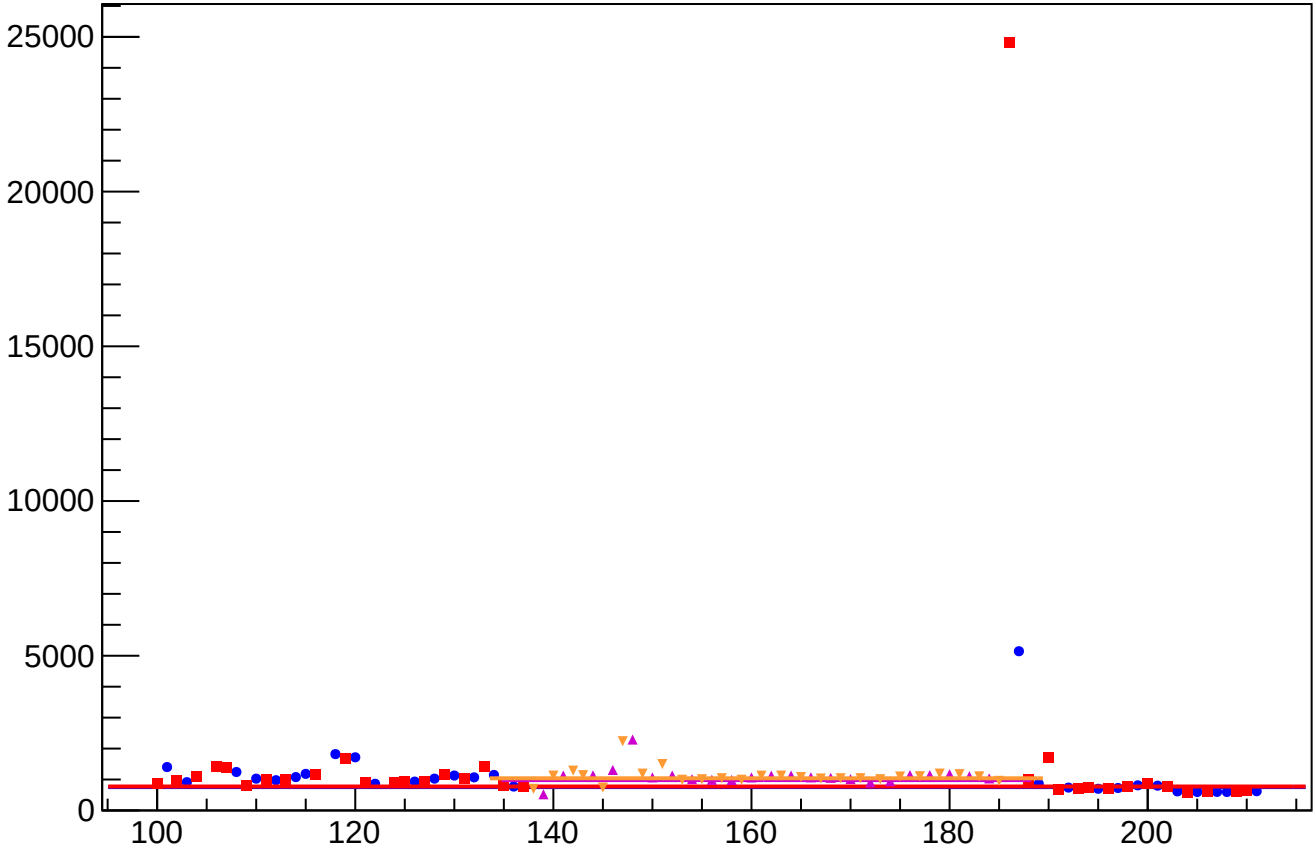
Right: -0.179+/-0.137 χ^2/NDF: 67.9/60

In: -0.085+/-0.151 χ^2/NDF:33.0/50

Out: -0.231+/-0.151 χ^2/NDF:69.0/57

All: -0.158+/-0.107 χ^2/NDF: 102.5/108

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 755.341+/-0.137 χ^2/NDF: 2378956.2/27

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 774.048+/-0.136 χ^2/NDF: 2739441.4/32

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

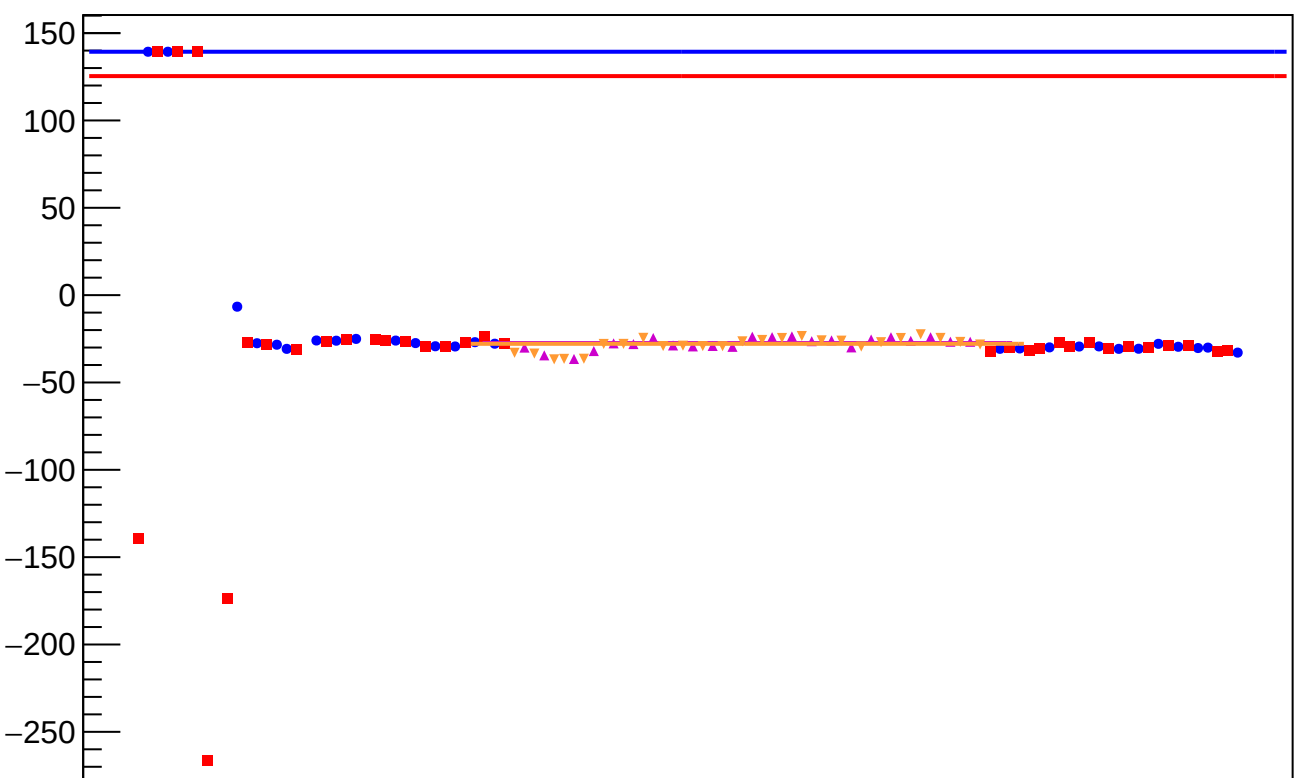
Right: 764.765+/-0.097 χ^2/NDF: 5127723.6/60

In: 845.437+/-0.107 χ^2/NDF:5682809.5/50

Out: 876.471+/-0.107 χ^2/NDF:5538918.9/57

All: 860.917+/-0.076 χ^2/NDF: 11263949.0/10

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 62895589746.4/27

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774187828735267.0/32

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

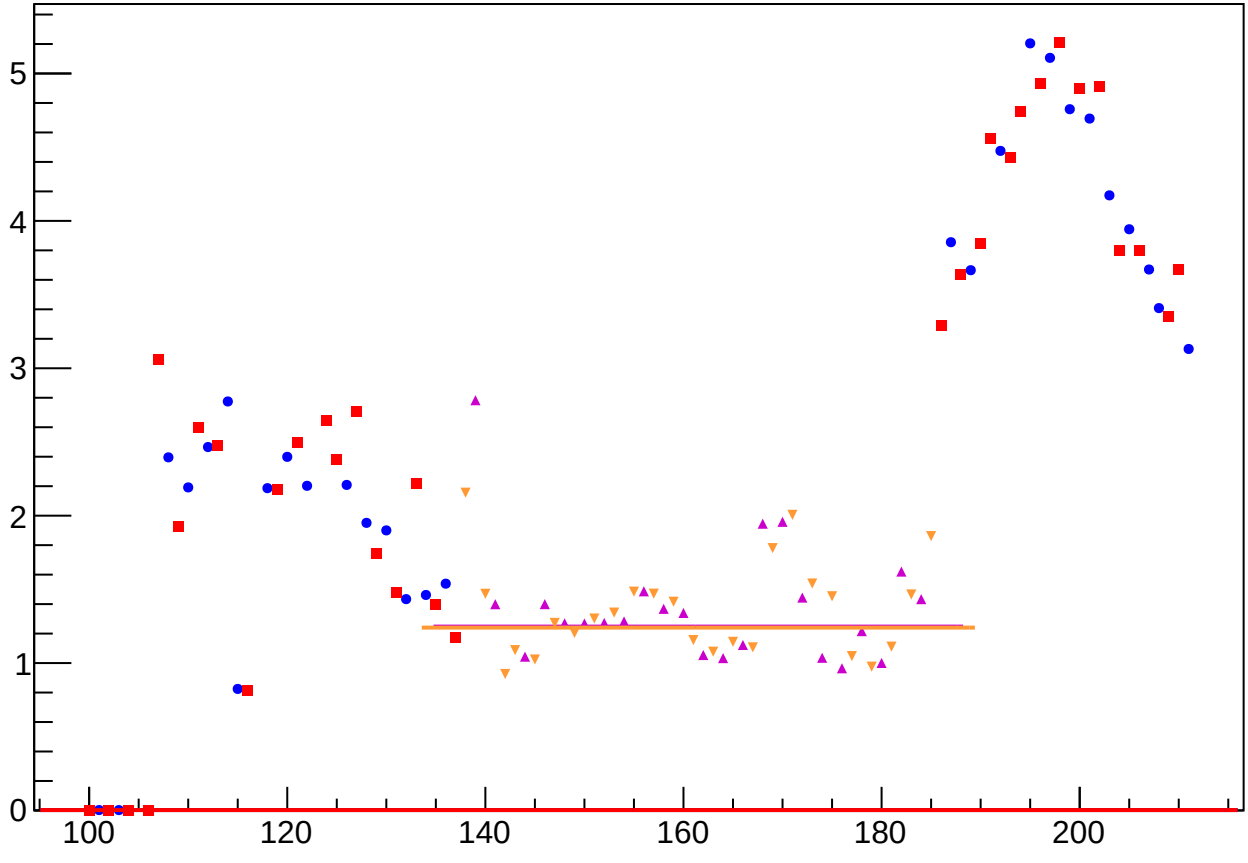
Right: 131.818+/-0.000 χ^2/NDF: 793035386841094

In: 139.328+/-0.000 χ^2/NDF:317293883181.0/50

Out: 125.384+/-0.000 χ^2/NDF:774418516556770.

All: 131.810+/-0.000 χ^2/NDF: 79351779857

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 27742949.9/27

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 30316351.7/32

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

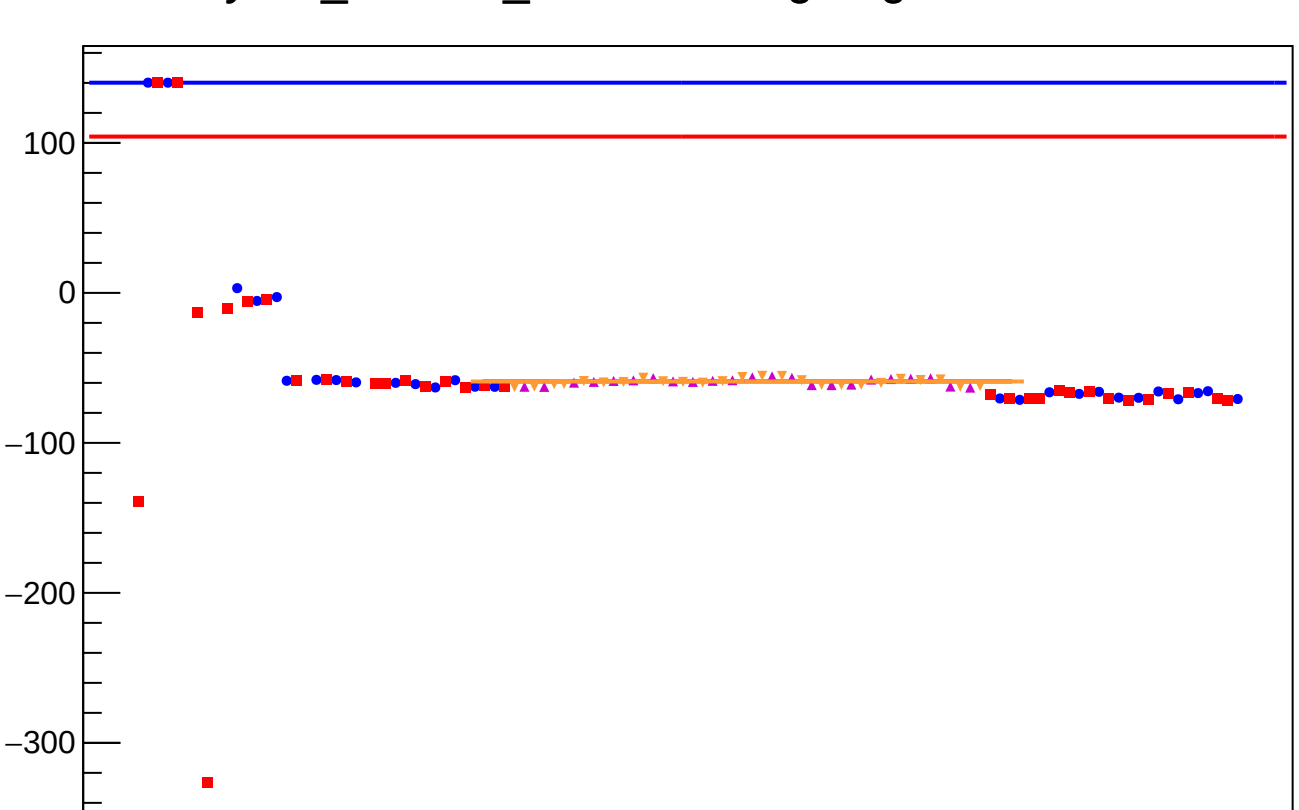
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 58059491.2/60

In: 0.003+/-0.000 χ^2/NDF:57508154.1/50

Out: 0.003+/-0.000 χ^2/NDF:61616170.5/57

All: 0.003+/-0.000 χ^2/NDF: 119124587.5/108



Right In: 140.135+/-0.000 χ^2/NDF: 491734145188.3/27

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.218+/-0.000 χ^2/NDF: 1257631489061769.5/32

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

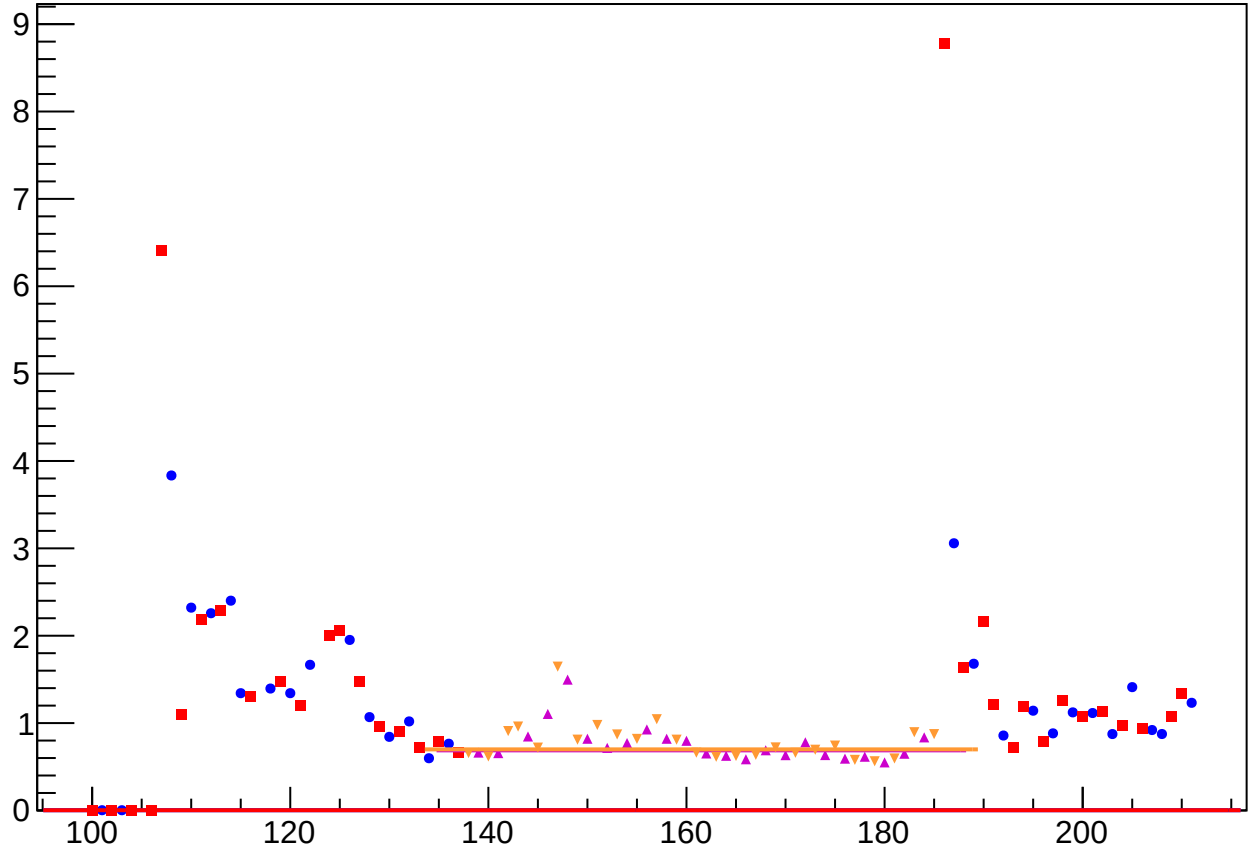
Right: 120.824+/-0.000 χ^2/NDF: 138142200790135

In: 140.099+/-0.000 χ^2/NDF:1767233048770.1/50

Out: 104.192+/-0.000 χ^2/NDF:1258503076082992

All: 120.794+/-0.000 χ^2/NDF: 13835200284

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 25547650.4/27

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 28104236.6/32

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

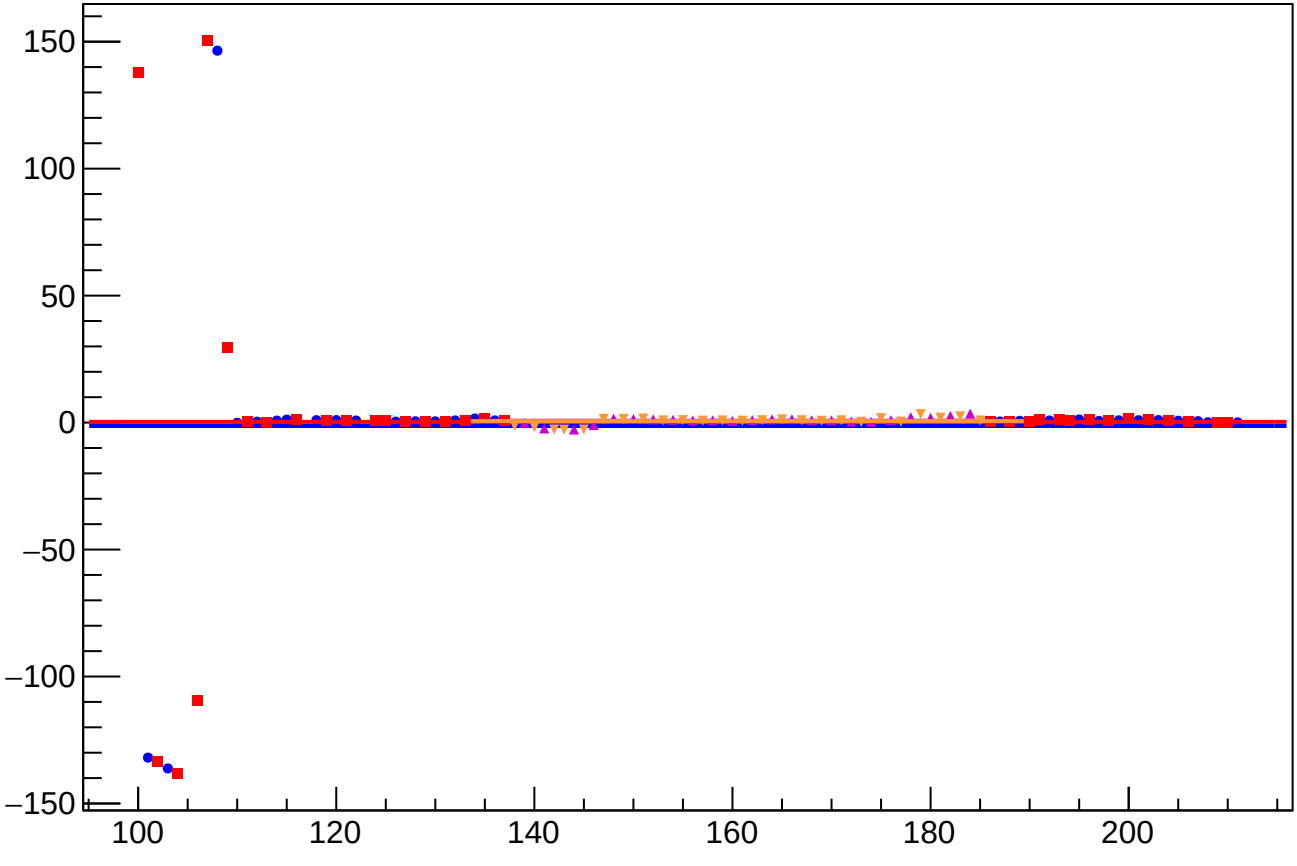
Right: 0.003+/-0.000 χ^2/NDF: 53652114.5/60

In: 0.003+/-0.000 χ^2/NDF:56851027.6/50

Out: 0.003+/-0.000 χ^2/NDF:61158927.3/57

All: 0.003+/-0.000 χ^2/NDF: 118010401.6/108

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.341+/-0.000 χ^2/NDF: 9906192320.8/27

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.285+/-0.000 χ^2/NDF: 3612966106.5/32

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

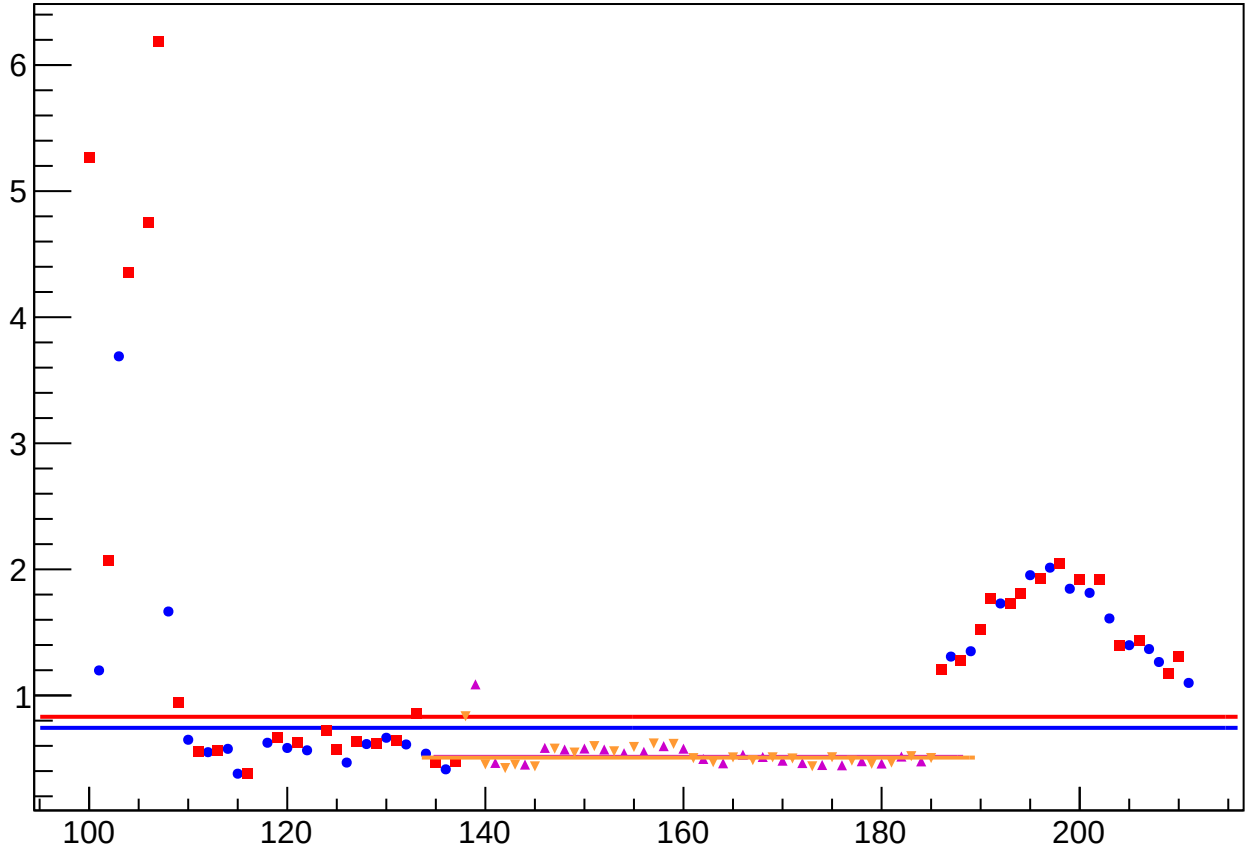
Right: -0.578+/-0.000 χ^2/NDF: 13544111621.4/60

In: 0.185+/-0.000 χ^2/NDF:10074946792.5/50

Out: 0.509+/-0.000 χ^2/NDF:3768489522.6/57

All: 0.349+/-0.000 χ^2/NDF: 13847513046.0/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.743+/-0.000 χ^2/NDF: 7709518.8/27

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.831+/-0.000 χ^2/NDF: 8491490.0/32

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

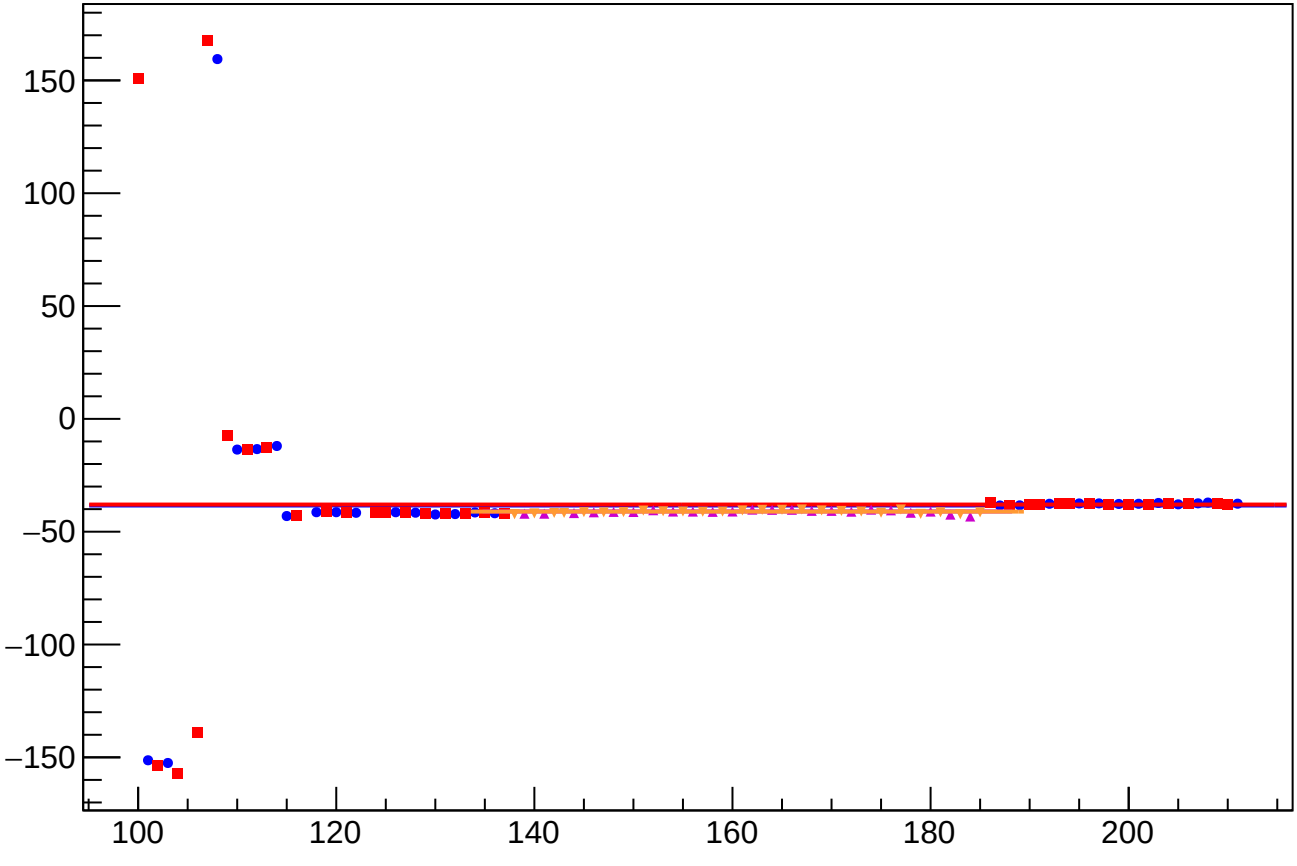
Right: 0.784+/-0.000 χ^2/NDF: 16346268.1/60

In: 0.574+/-0.000 χ^2/NDF:10030162.2/50

Out: 0.580+/-0.000 χ^2/NDF:11929360.9/57

All: 0.577+/-0.000 χ^2/NDF: 21962933.5/108

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.387+/-0.000 χ^2/NDF: 3619288855.6/27

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.974+/-0.000 χ^2/NDF: 2514481779.9/32

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

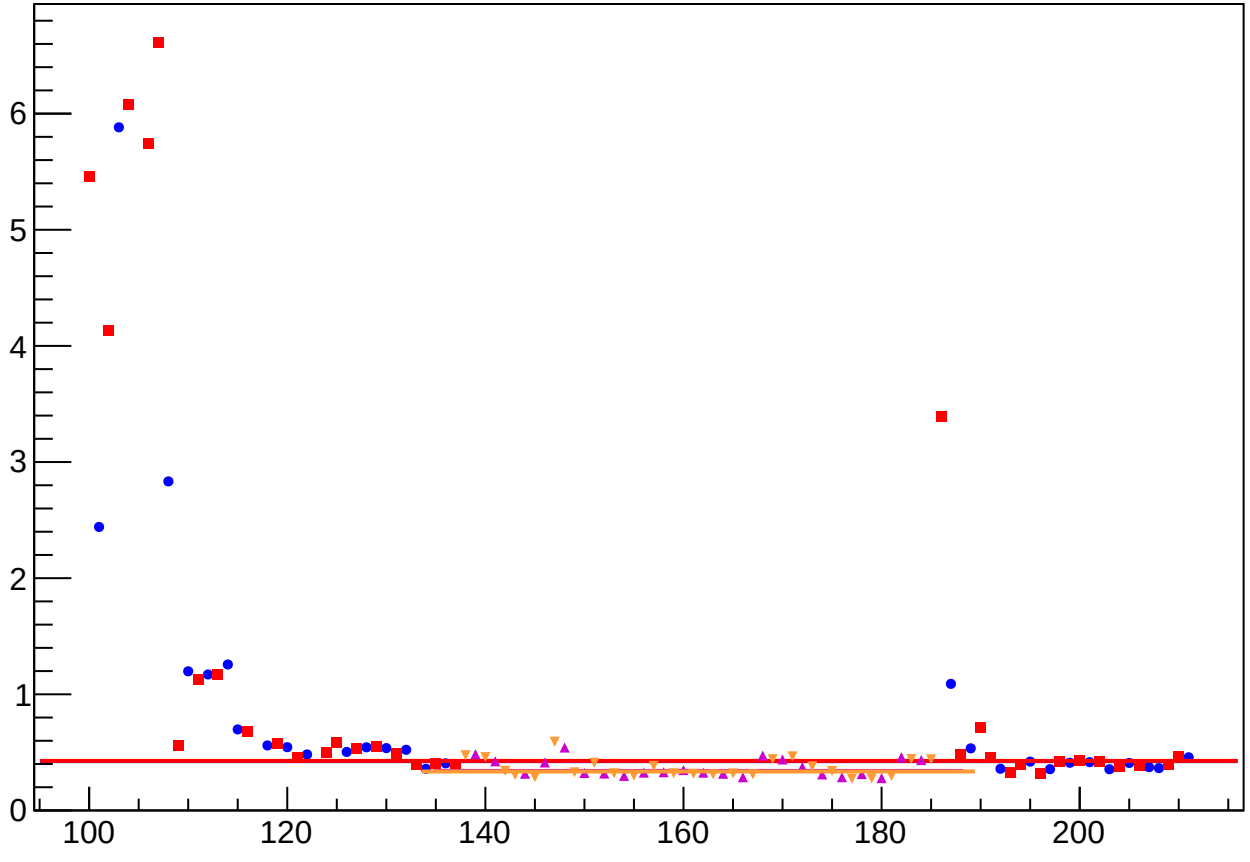
Right: -38.175+/-0.000 χ^2/NDF: 6140253704.0/60

In: -40.135+/-0.000 χ^2/NDF:4013534979.8/50

Out: -40.058+/-0.000 χ^2/NDF:3082578798.6/57

All: -40.095+/-0.000 χ^2/NDF: 7096792299.1/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.425+/-0.000 χ^2/NDF: 3741450.9/27

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF: 4700058.7/32

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

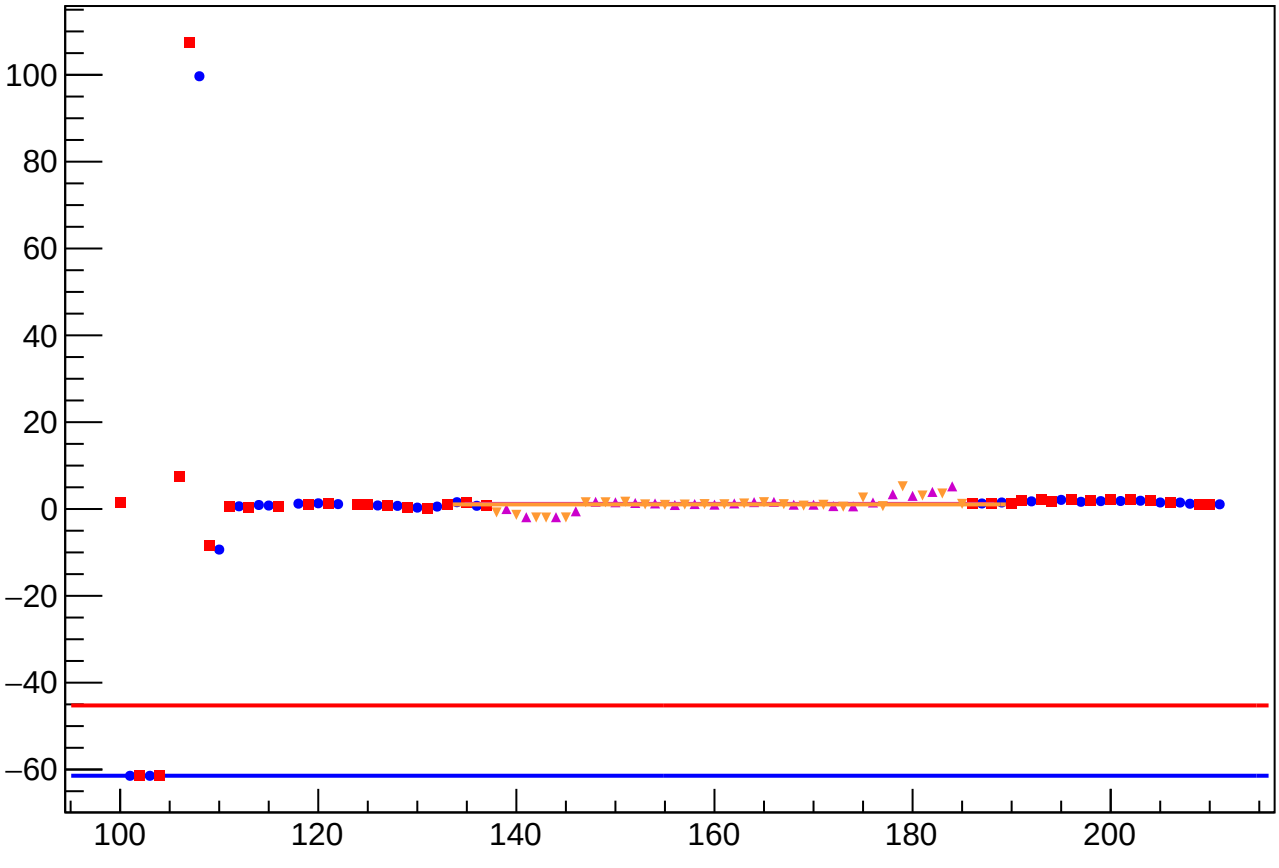
Right: 0.426+/-0.000 χ^2/NDF: 8441841.4/60

In: 0.369+/-0.000 χ^2/NDF:5506258.7/50

Out: 0.366+/-0.000 χ^2/NDF:6804618.4/57

All: 0.367+/-0.000 χ^2/NDF: 12312837.2/108

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 294706866064.9/27

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357883290604601.2/32

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

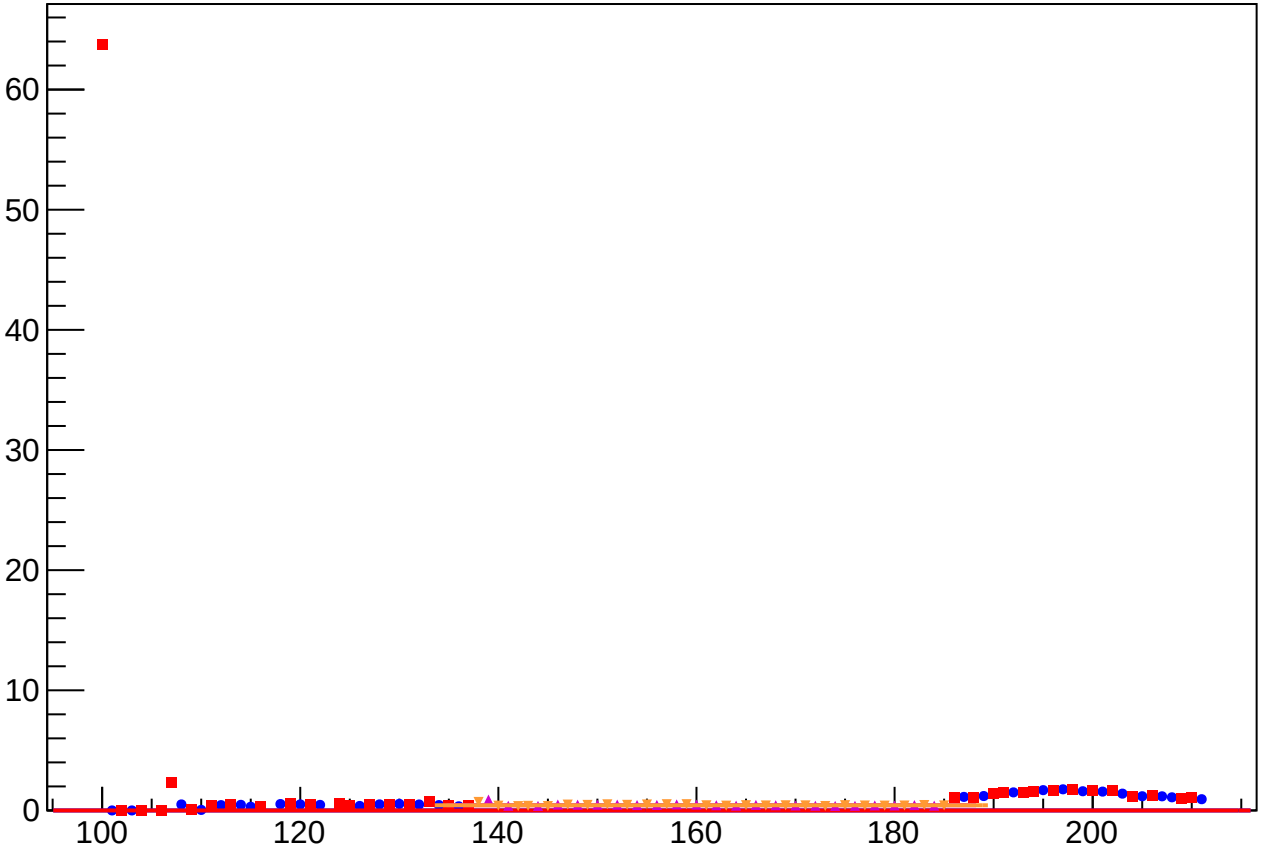
Right: -52.748+/-0.000 χ^2/NDF: 409155130465751

In: -61.422+/-0.000 χ^2/NDF:597564896789.7/50

Out: -45.235+/-0.000 χ^2/NDF:358064569784089.9

All: -52.737+/-0.000 χ^2/NDF: 409624533748

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 27318368.7/27

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 29937371.3/32

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

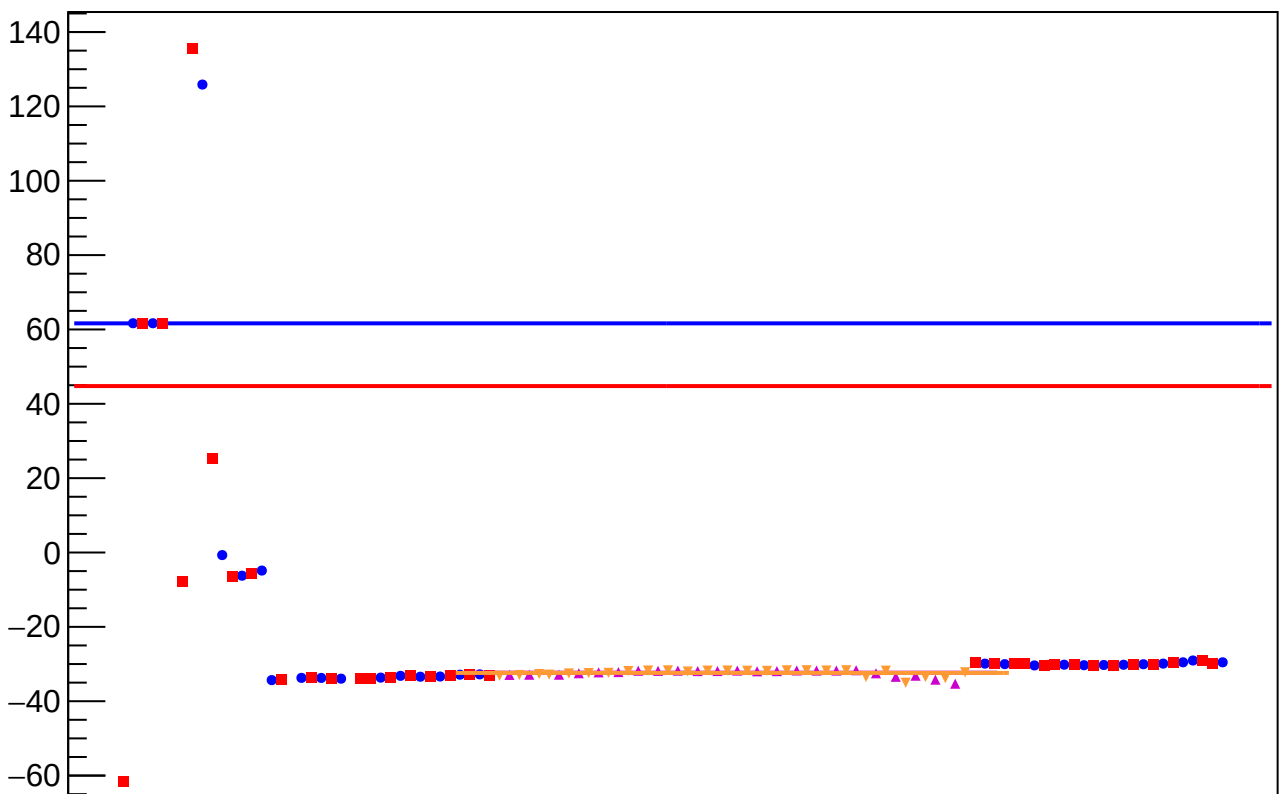
Right: 0.001+/-0.000 χ^2/NDF: 57255743.5/60

In: 0.002+/-0.000 χ^2/NDF:57457986.6/50

Out: 0.002+/-0.000 χ^2/NDF:61701818.0/57

All: 0.002+/-0.000 χ^2/NDF: 119159839.5/108

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.640+/-0.000 χ^2/NDF: 1053698268565.3/27

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.769+/-0.000 χ^2/NDF: 366567833931357.0/32

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

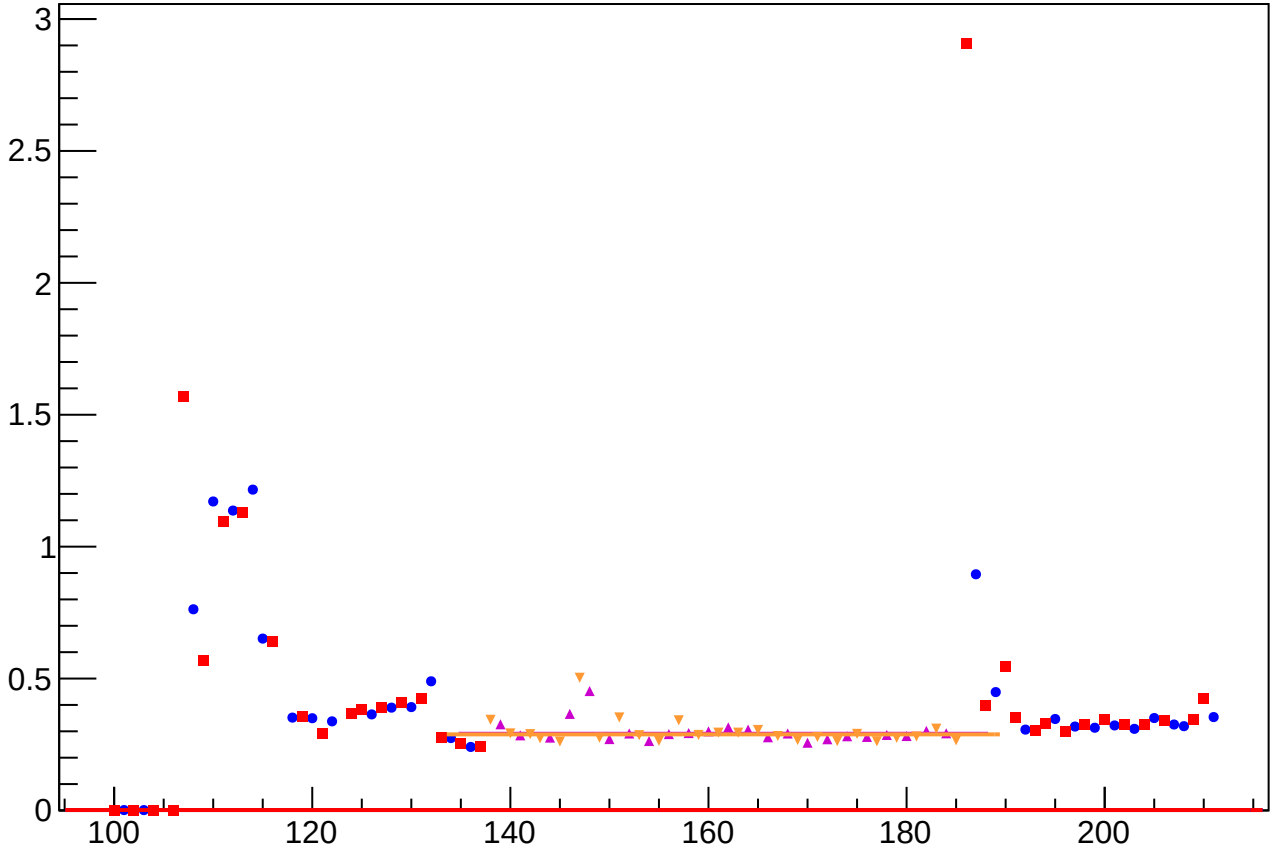
Right: 52.669+/-0.000 χ^2/NDF: 418703162773298.8

In: 61.582+/-0.000 χ^2/NDF:2876718457951.1/50

Out: 44.724+/-0.000 χ^2/NDF:367885864747397.9

All: 52.619+/-0.000 χ^2/NDF: 421796488947

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 28850586.3/27

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 30816765.8/32

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

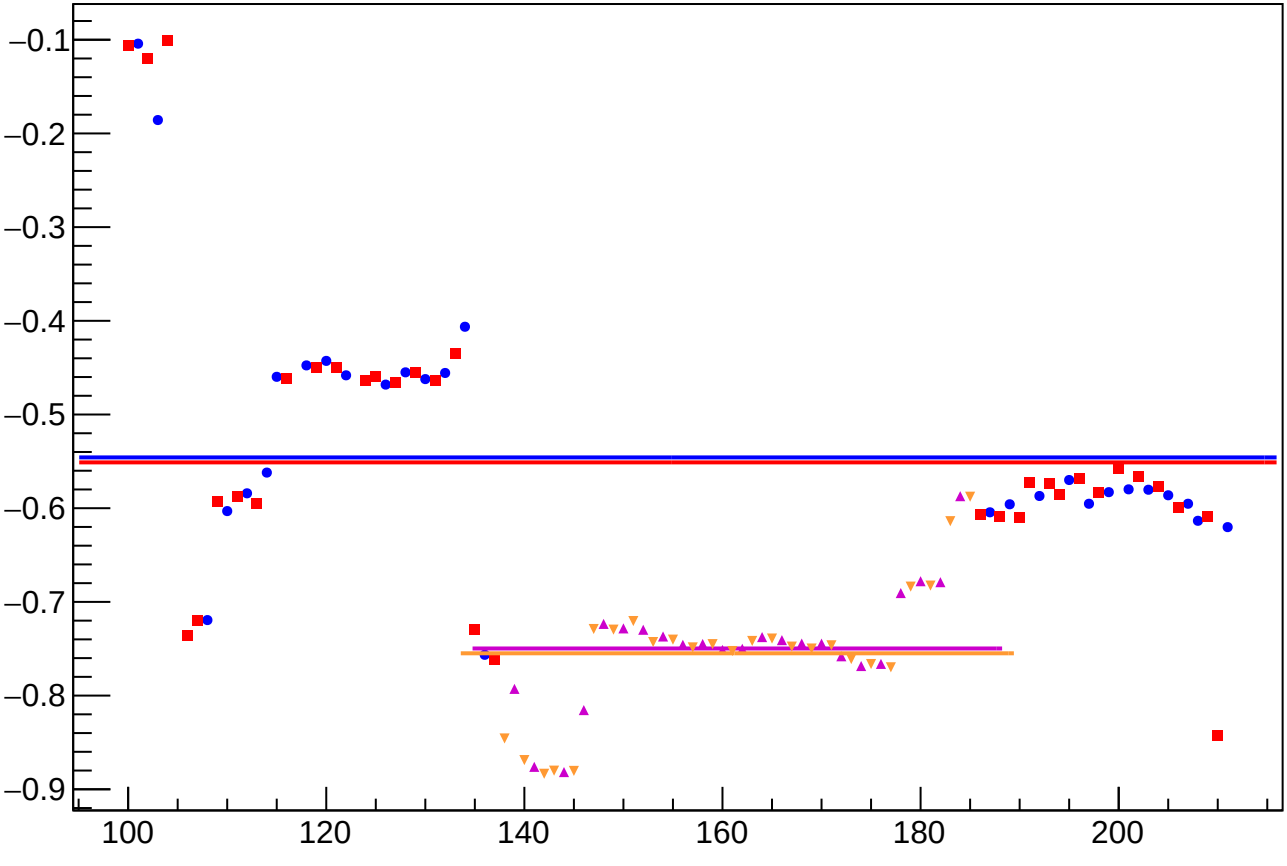
Right: 0.002+/-0.000 χ^2/NDF: 59667426.1/60

In: 0.002+/-0.000 χ^2/NDF:63742032.8/50

Out: 0.002+/-0.000 χ^2/NDF:67759189.7/57

All: 0.002+/-0.000 χ^2/NDF: 131501226.3/108

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.546+/-0.000 χ^2/NDF: 309052412.0/27

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.551+/-0.000 χ^2/NDF: 247544613.2/32

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

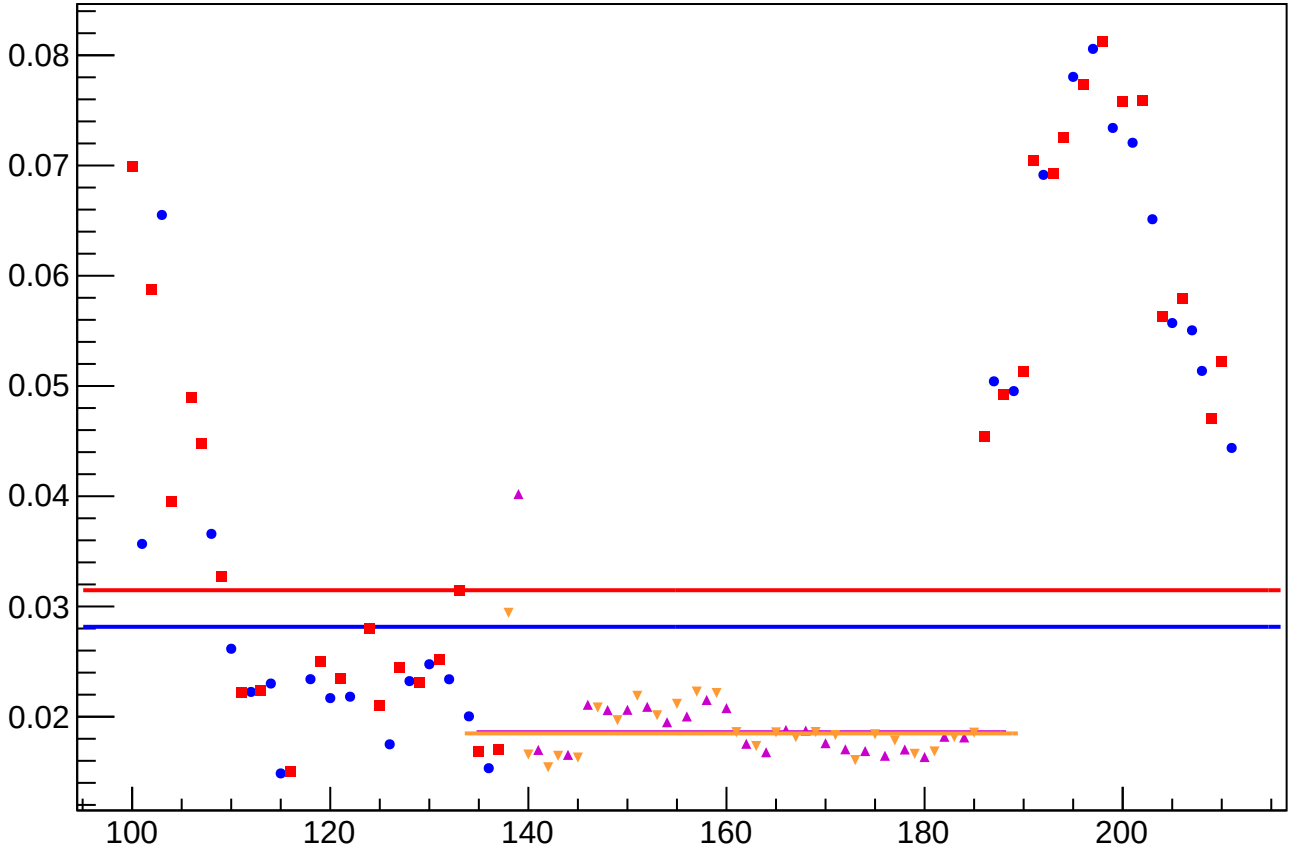
Right: -0.548+/-0.000 χ^2/NDF: 556786223.8/60

In: -0.699+/-0.000 χ^2/NDF:891002592.5/50

Out: -0.710+/-0.000 χ^2/NDF:876239134.6/57

All: -0.705+/-0.000 χ^2/NDF: 1770999106.6/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 7665374.0/27

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7637683.6/32

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

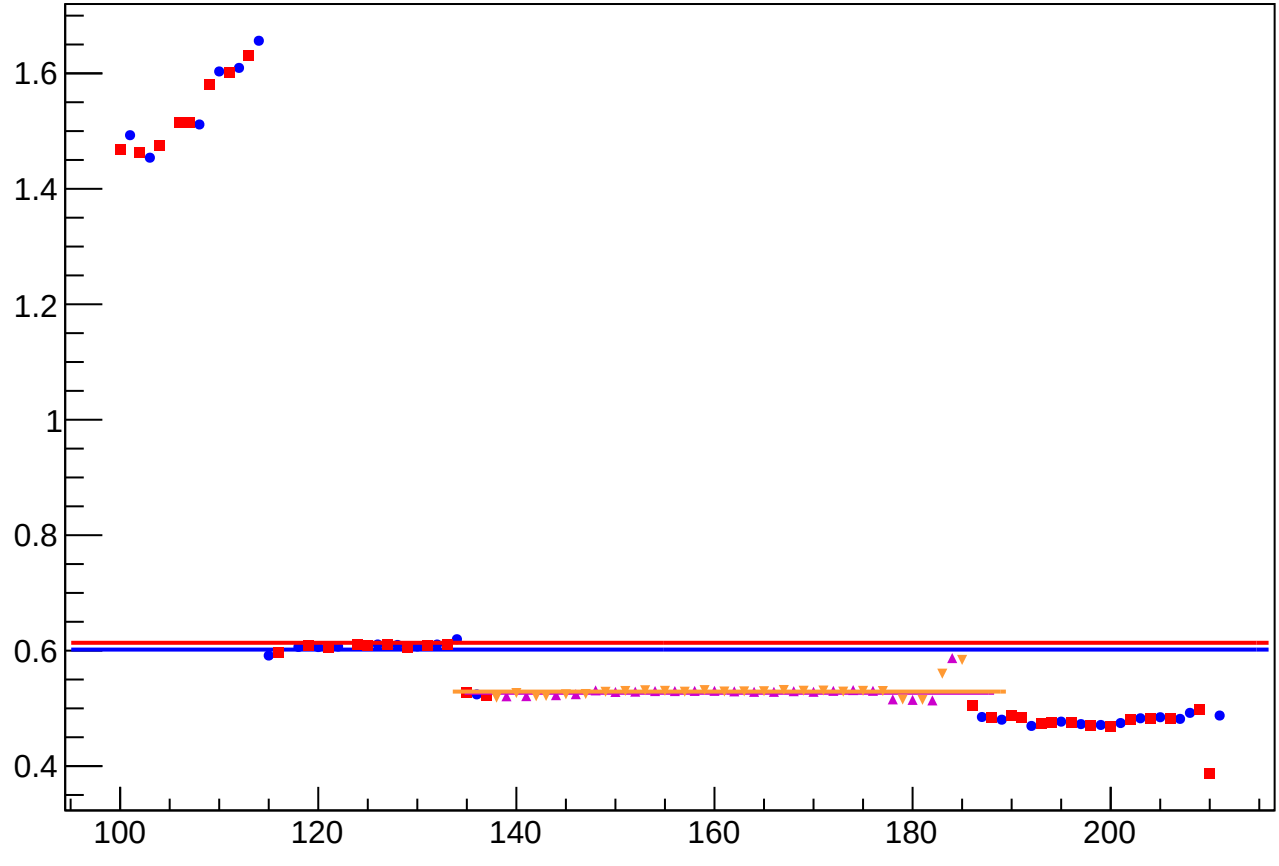
Right: 0.030+/-0.000 χ^2/NDF: 15451148.3/60

In: 0.021+/-0.000 χ^2/NDF:10344060.2/50

Out: 0.021+/-0.000 χ^2/NDF:11510182.2/57

All: 0.021+/-0.000 χ^2/NDF: 21861252.3/108

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.602+/-0.000 χ^2/NDF: 5688158342.2/27

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.614+/-0.000 χ^2/NDF: 6738237727.1/32

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

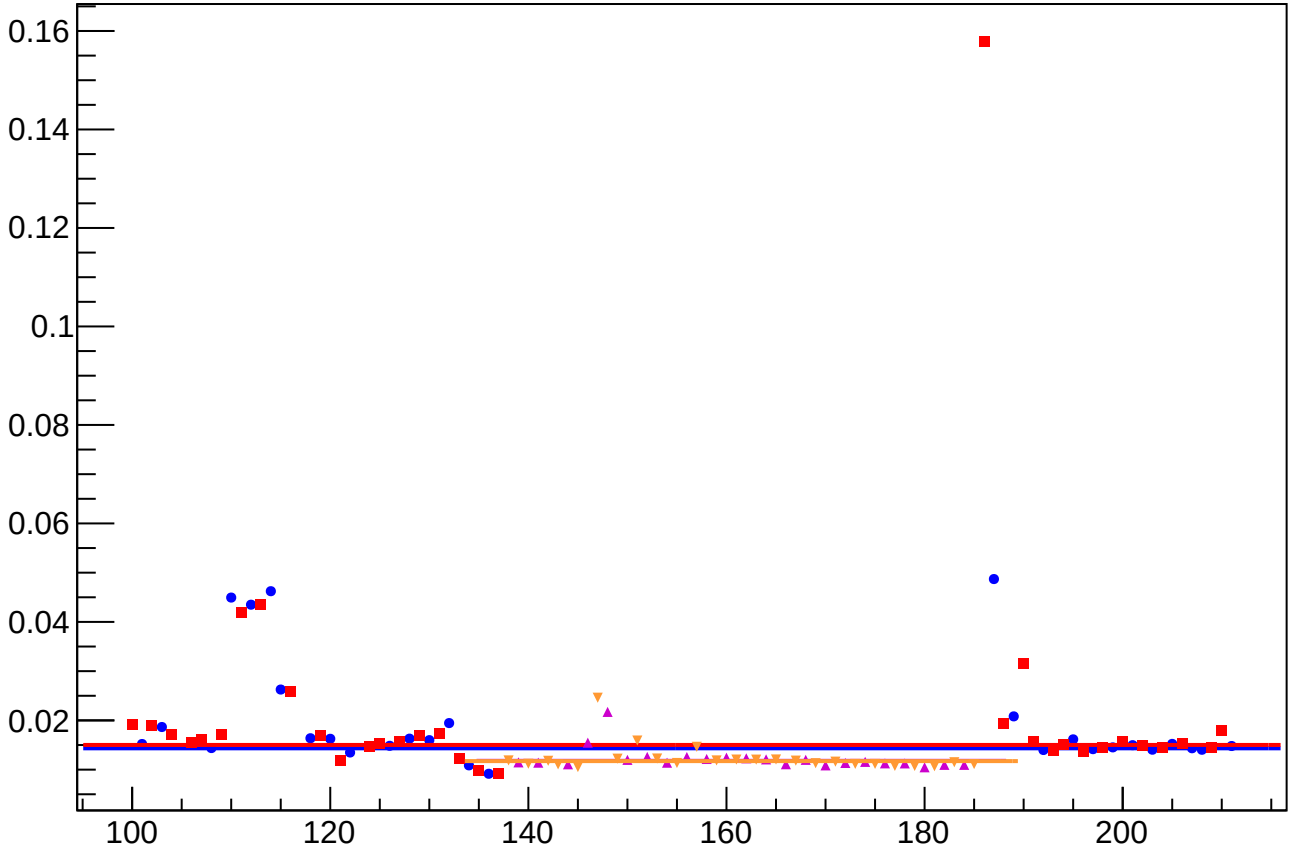
Right: 0.608+/-0.000 χ^2/NDF: 12431347297.6/60

In: 0.554+/-0.000 χ^2/NDF:5957911986.9/50

Out: 0.558+/-0.000 χ^2/NDF:7085908114.2/57

All: 0.556+/-0.000 χ^2/NDF: 13045495494.3/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1971838.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2432902.3/32

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

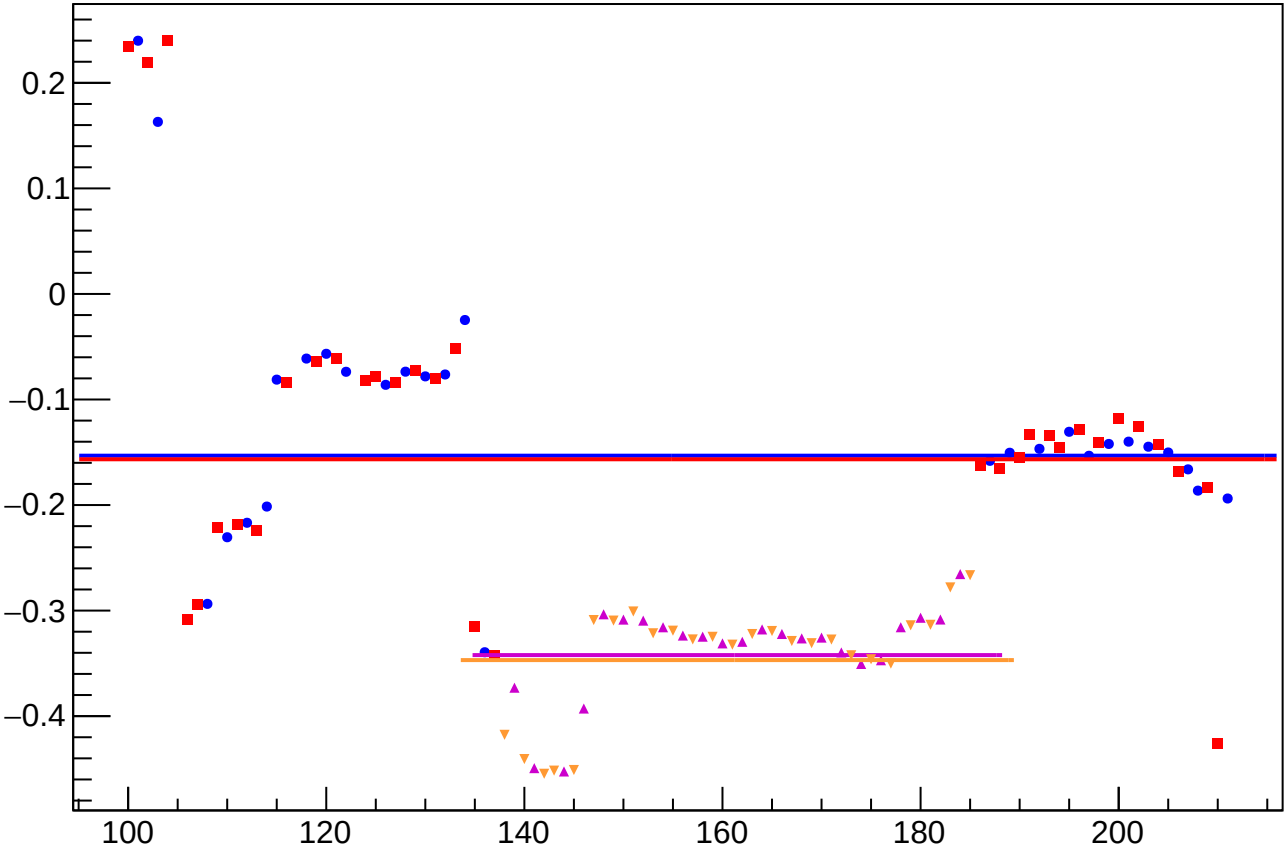
Right: 0.015+/-0.000 χ^2/NDF: 4438550.4/60

In: 0.013+/-0.000 χ^2/NDF:3082078.5/50

Out: 0.013+/-0.000 χ^2/NDF:4132193.1/57

All: 0.013+/-0.000 χ^2/NDF: 7219092.3/108

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 278171759.6/27

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.157+/-0.000 χ^2/NDF: 225549237.9/32

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

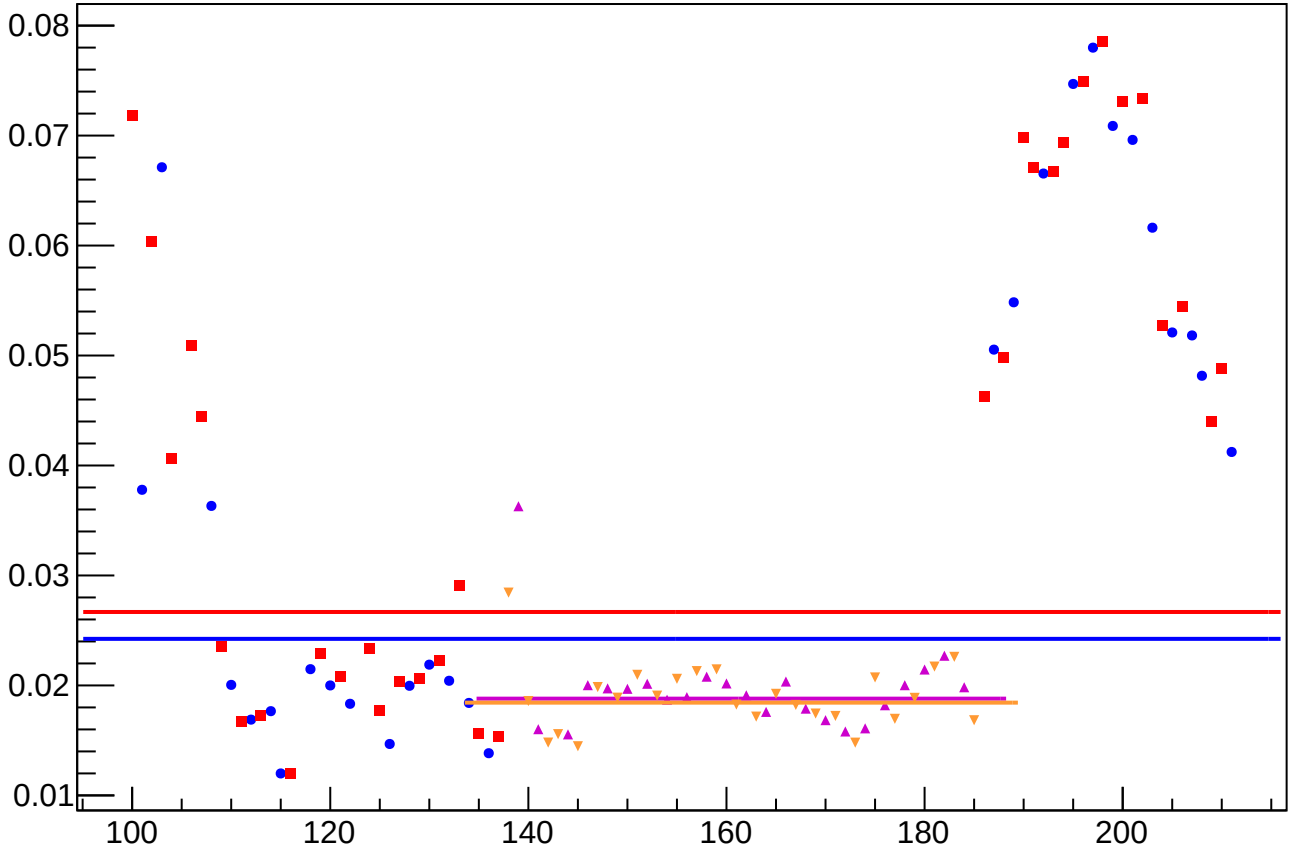
Right: -0.155+/-0.000 χ^2/NDF: 503821986.9/60

In: -0.286+/-0.000 χ^2/NDF:820209152.5/50

Out: -0.297+/-0.000 χ^2/NDF:797048526.7/57

All: -0.291+/-0.000 χ^2/NDF: 1621076900.0/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8801982.4/27

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9274821.7/32

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

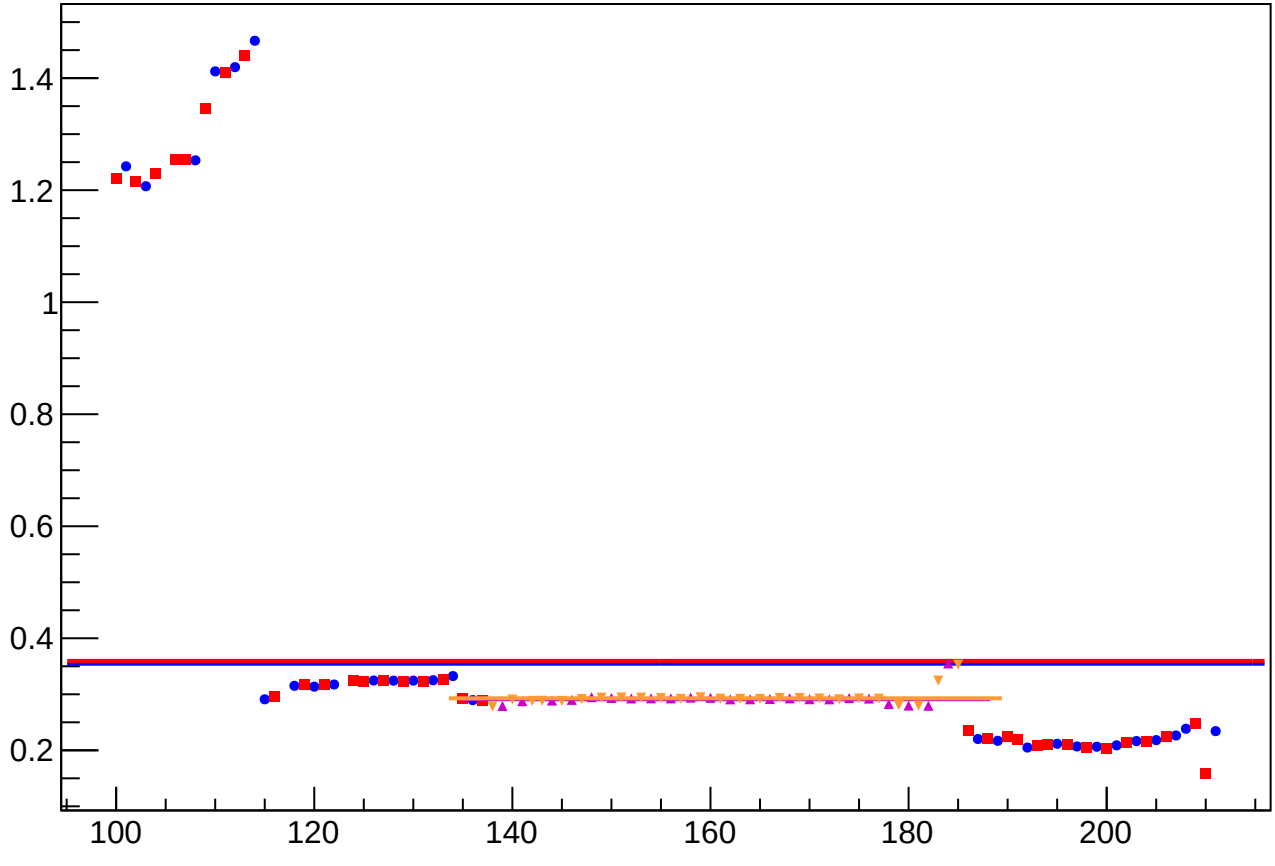
Right: 0.025+/-0.000 χ^2/NDF: 18180724.6/60

In: 0.020+/-0.000 χ^2/NDF:10272452.6/50

Out: 0.021+/-0.000 χ^2/NDF:11587878.4/57

All: 0.021+/-0.000 χ^2/NDF: 21862436.2/108

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.355+/-0.000 χ^2/NDF: 8391778280.0/27

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.360+/-0.000 χ^2/NDF: 9418458865.2/32

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

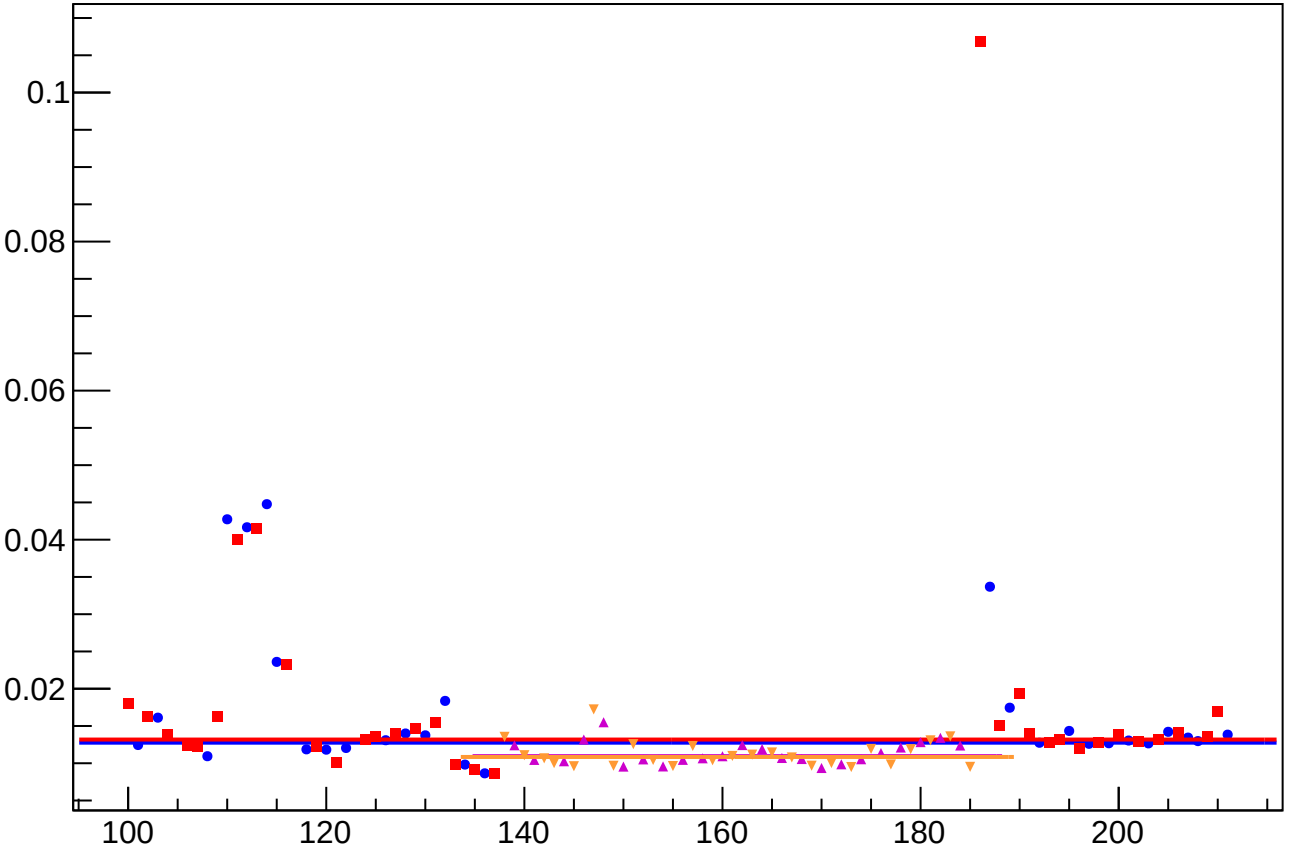
Right: 0.357+/-0.000 χ^2/NDF: 17811415785.8/60

In: 0.316+/-0.000 χ^2/NDF:8626535732.4/50

Out: 0.318+/-0.000 χ^2/NDF:9693313154.3/57

All: 0.317+/-0.000 χ^2/NDF: 18320304473.4/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1803309.2/27

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2260355.4/32

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

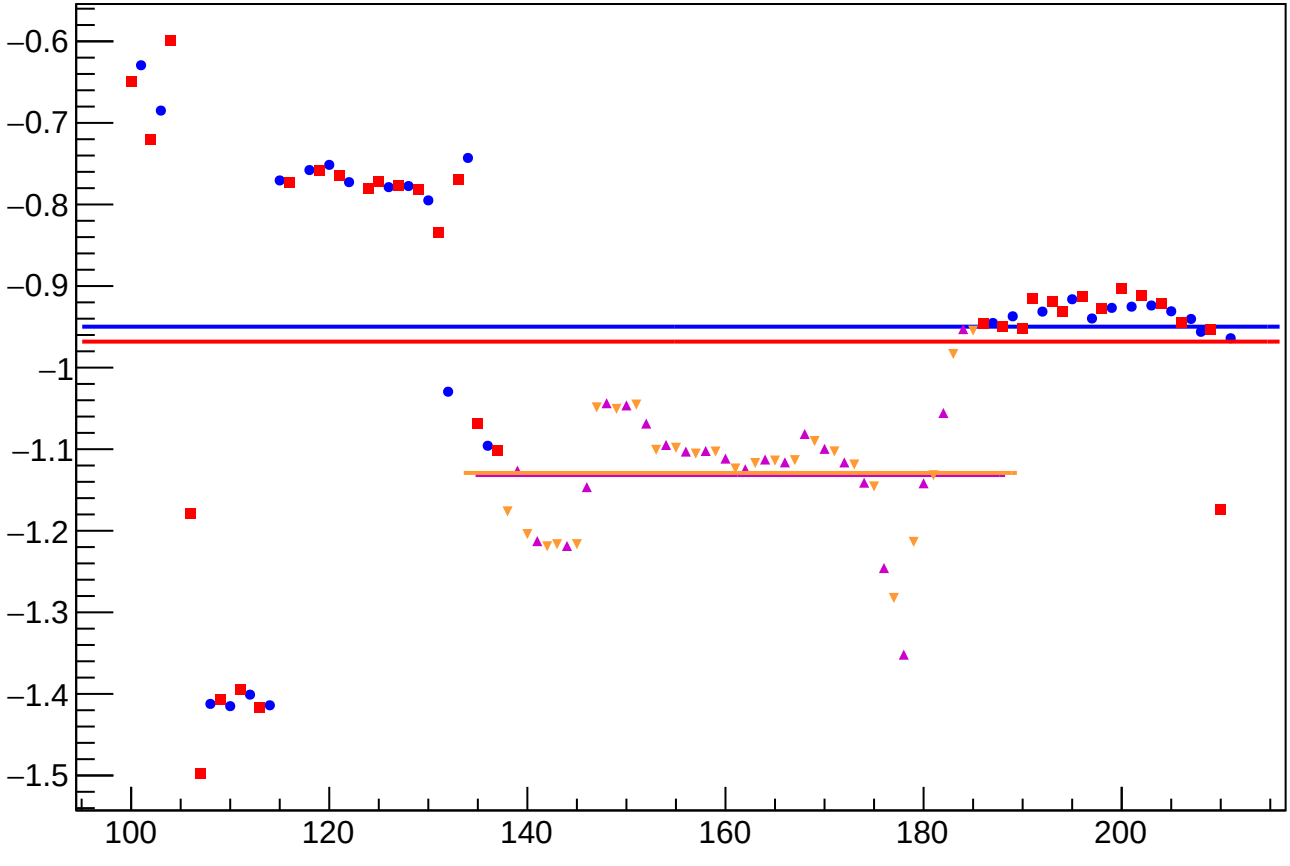
Right: 0.013+/-0.000 χ^2/NDF: 4079692.1/60

In: 0.012+/-0.000 χ^2/NDF:2679521.9/50

Out: 0.012+/-0.000 χ^2/NDF:3544531.5/57

All: 0.012+/-0.000 χ^2/NDF: 6224831.4/108

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.950+/-0.000 χ^2/NDF: 700364025.5/27

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.968+/-0.000 χ^2/NDF: 731528803.8/32

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

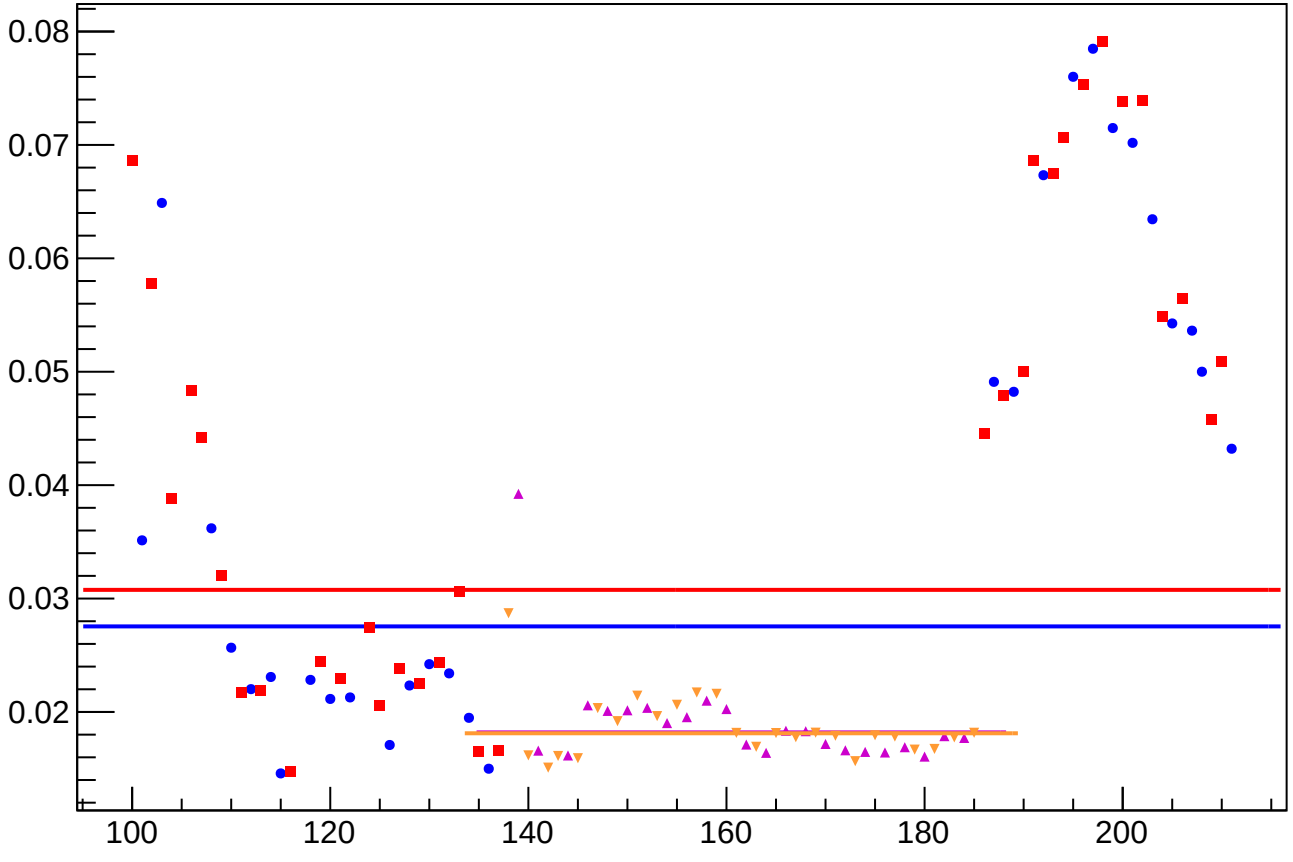
Right: -0.959+/-0.000 χ^2/NDF: 1434251519.0/60

In: -1.086+/-0.000 χ^2/NDF:1327190805.6/50

Out: -1.094+/-0.000 χ^2/NDF:1241017303.9/57

All: -1.090+/-0.000 χ^2/NDF: 2569885423.5/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 7639991.8/27

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7610478.9/32

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

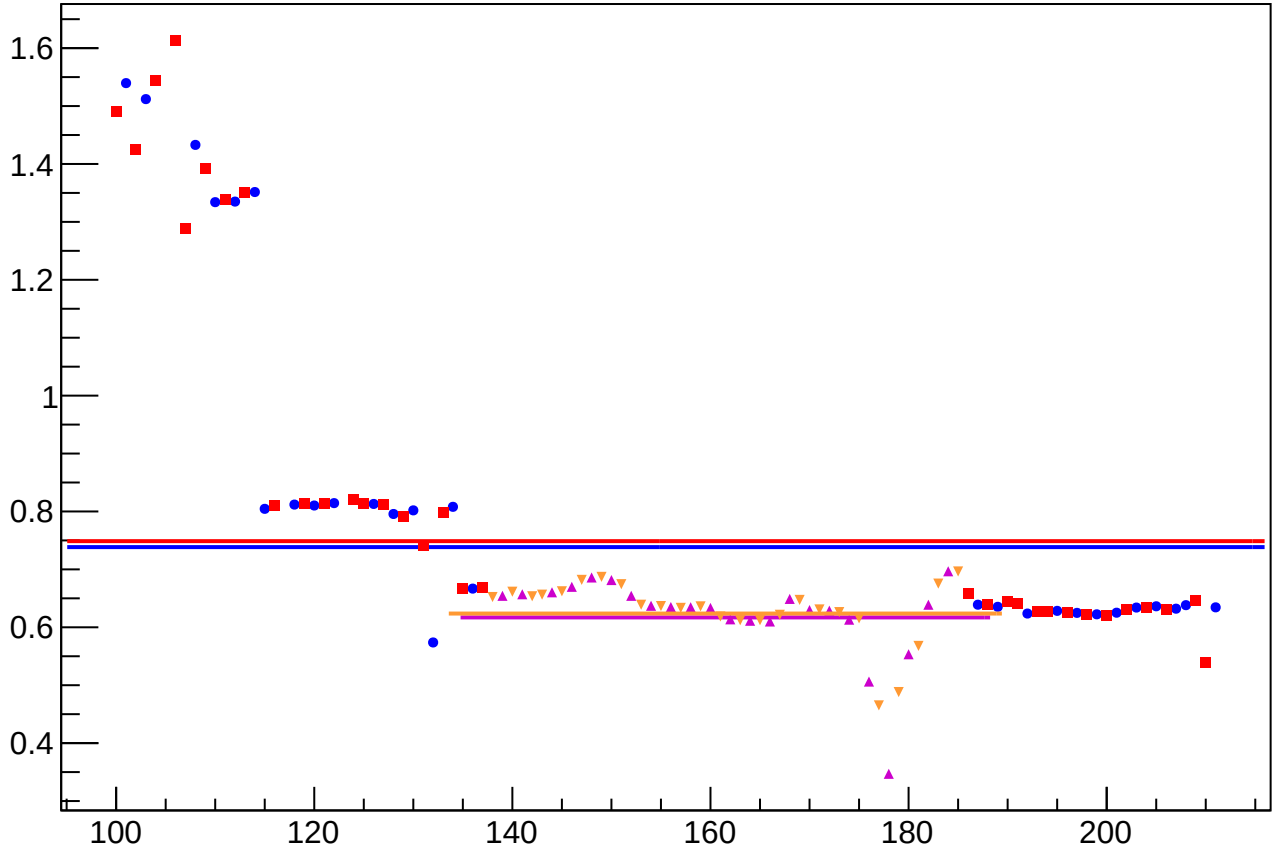
Right: 0.029+/-0.000 χ^2/NDF: 15396497.9/60

In: 0.021+/-0.000 χ^2/NDF:10300472.2/50

Out: 0.021+/-0.000 χ^2/NDF:11433348.4/57

All: 0.021+/-0.000 χ^2/NDF: 21741872.1/108

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.738+/-0.000 χ^2/NDF: 3901816955.1/27

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.749+/-0.000 χ^2/NDF: 4338703943.8/32

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

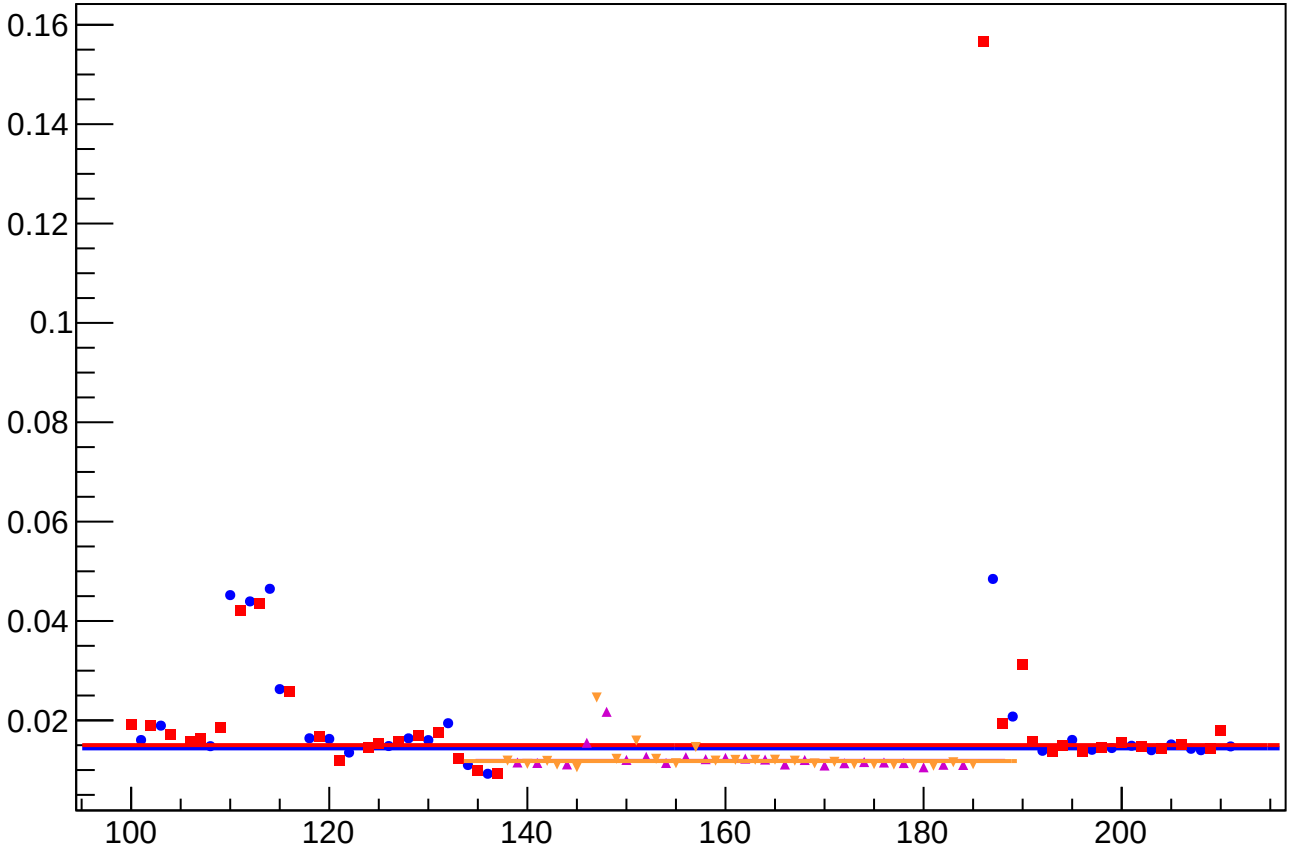
Right: 0.744+/-0.000 χ^2/NDF: 8244280413.1/60

In: 0.661+/-0.000 χ^2/NDF:5218838014.2/50

Out: 0.667+/-0.000 χ^2/NDF:5459550680.9/57

All: 0.664+/-0.000 χ^2/NDF: 10681934810.4/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1954875.9/27

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2438057.5/32

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

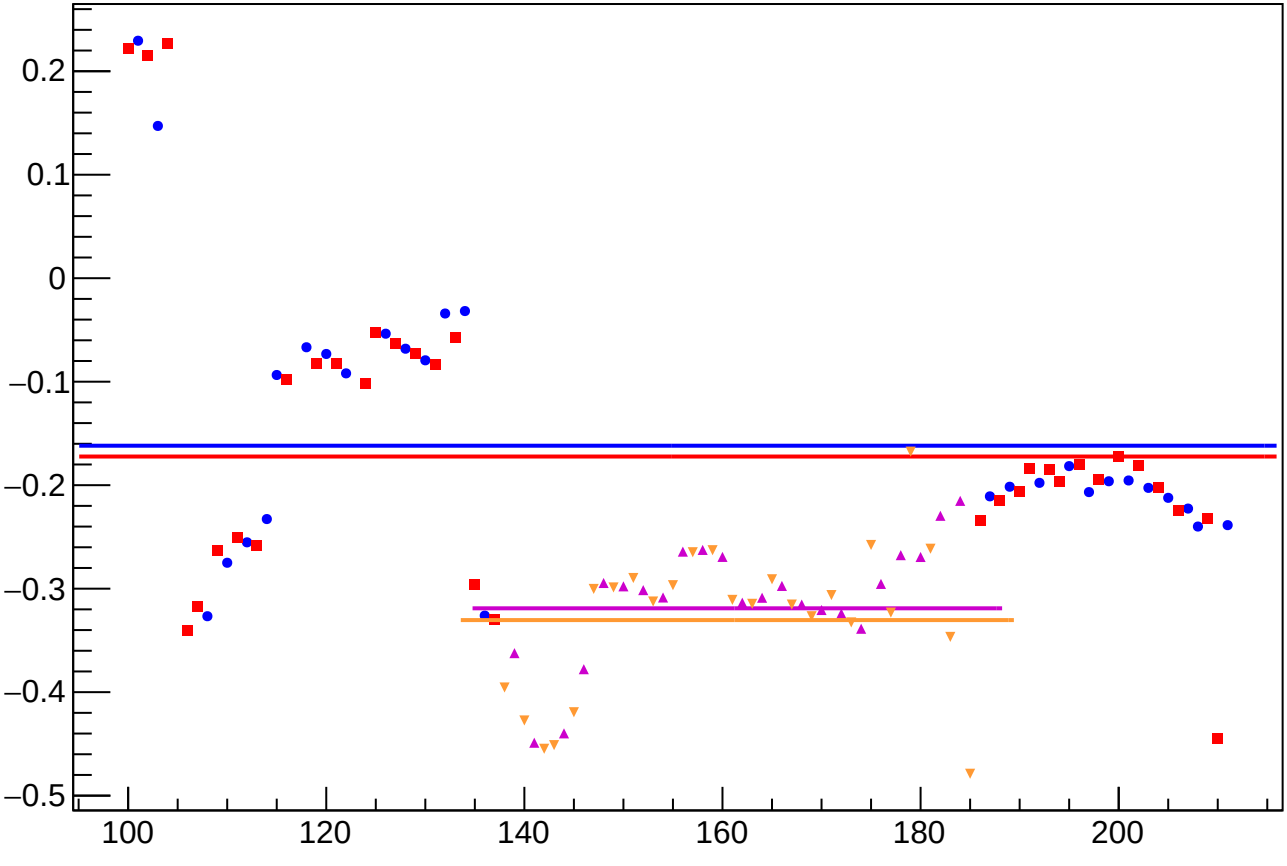
Right: 0.015+/-0.000 χ^2/NDF: 4423731.1/60

In: 0.013+/-0.000 χ^2/NDF:3038873.3/50

Out: 0.013+/-0.000 χ^2/NDF:4061750.7/57

All: 0.013+/-0.000 χ^2/NDF: 7105930.5/108

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.162+/-0.000 χ^2/NDF: 283997020.0/27

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.172+/-0.000 χ^2/NDF: 226732160.3/32

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

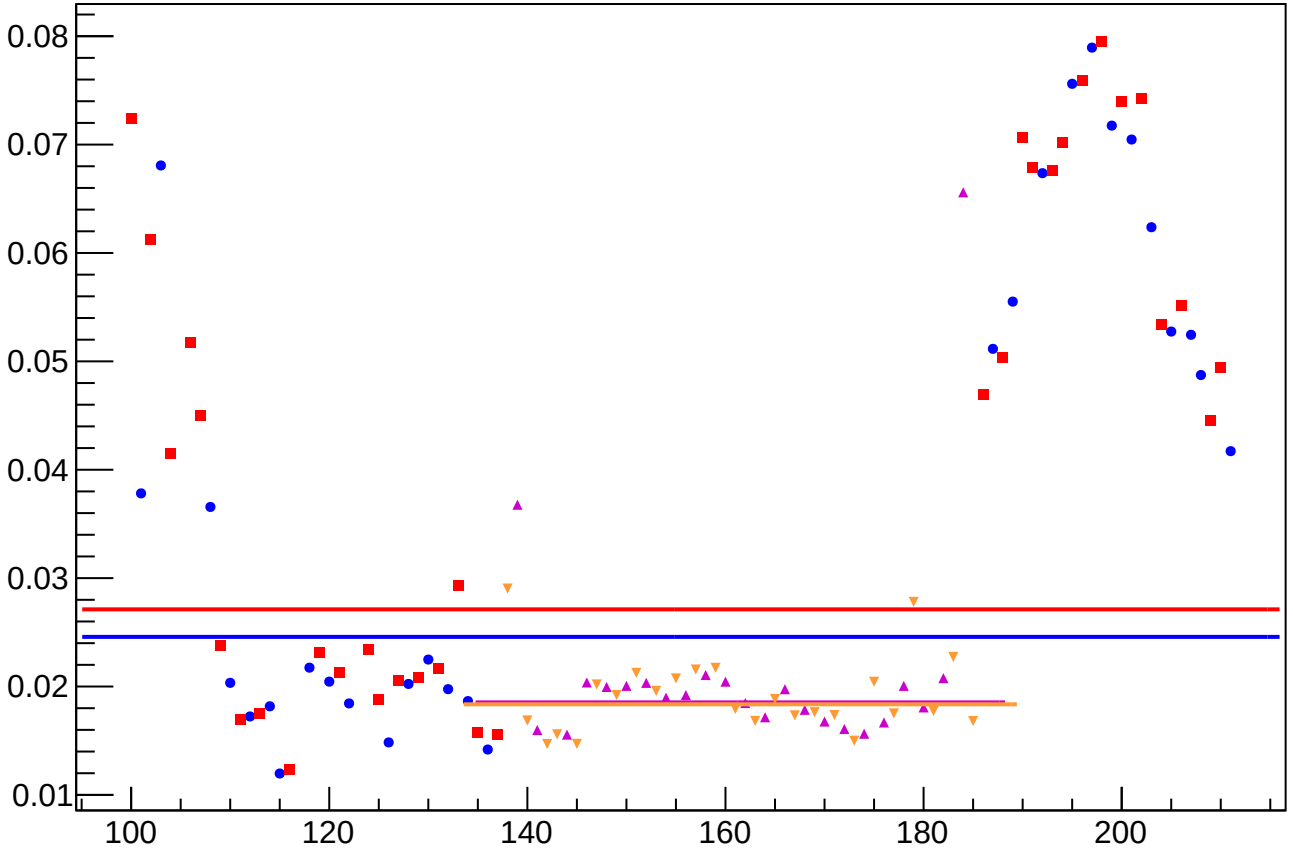
Right: -0.167+/-0.000 χ^2/NDF: 511651409.9/60

In: -0.273+/-0.000 χ^2/NDF:722371910.4/50

Out: -0.289+/-0.000 χ^2/NDF:708200343.6/57

All: -0.281+/-0.000 χ^2/NDF: 1438570697.8/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 8761804.7/27

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9218075.5/32

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

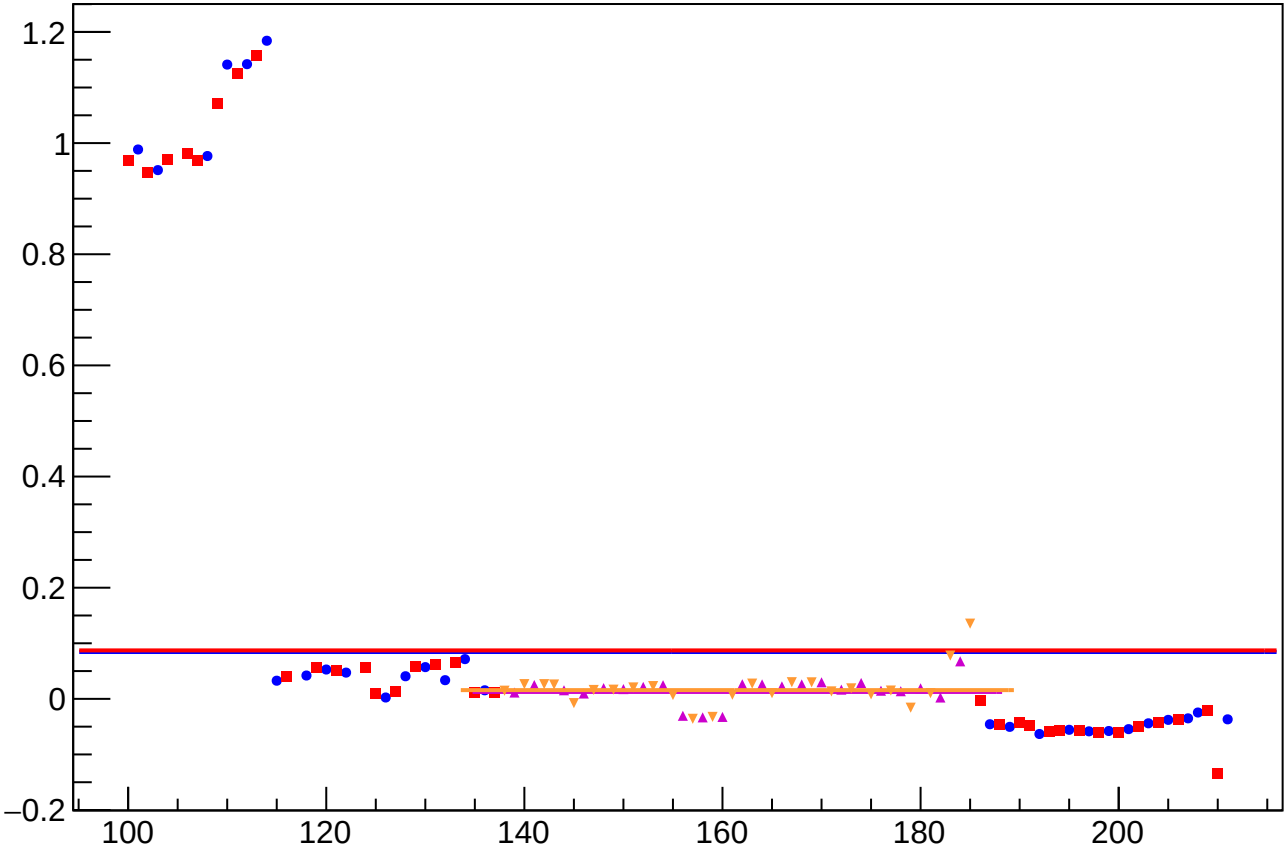
Right: 0.026+/-0.000 χ^2/NDF: 18088929.1/60

In: 0.020+/-0.000 χ^2/NDF:10606181.8/50

Out: 0.021+/-0.000 χ^2/NDF:11791264.3/57

All: 0.020+/-0.000 χ^2/NDF: 22404458.0/108

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.000 χ^2/NDF: 8440481286.2/27

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.087+/-0.000 χ^2/NDF: 9320051909.0/32

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

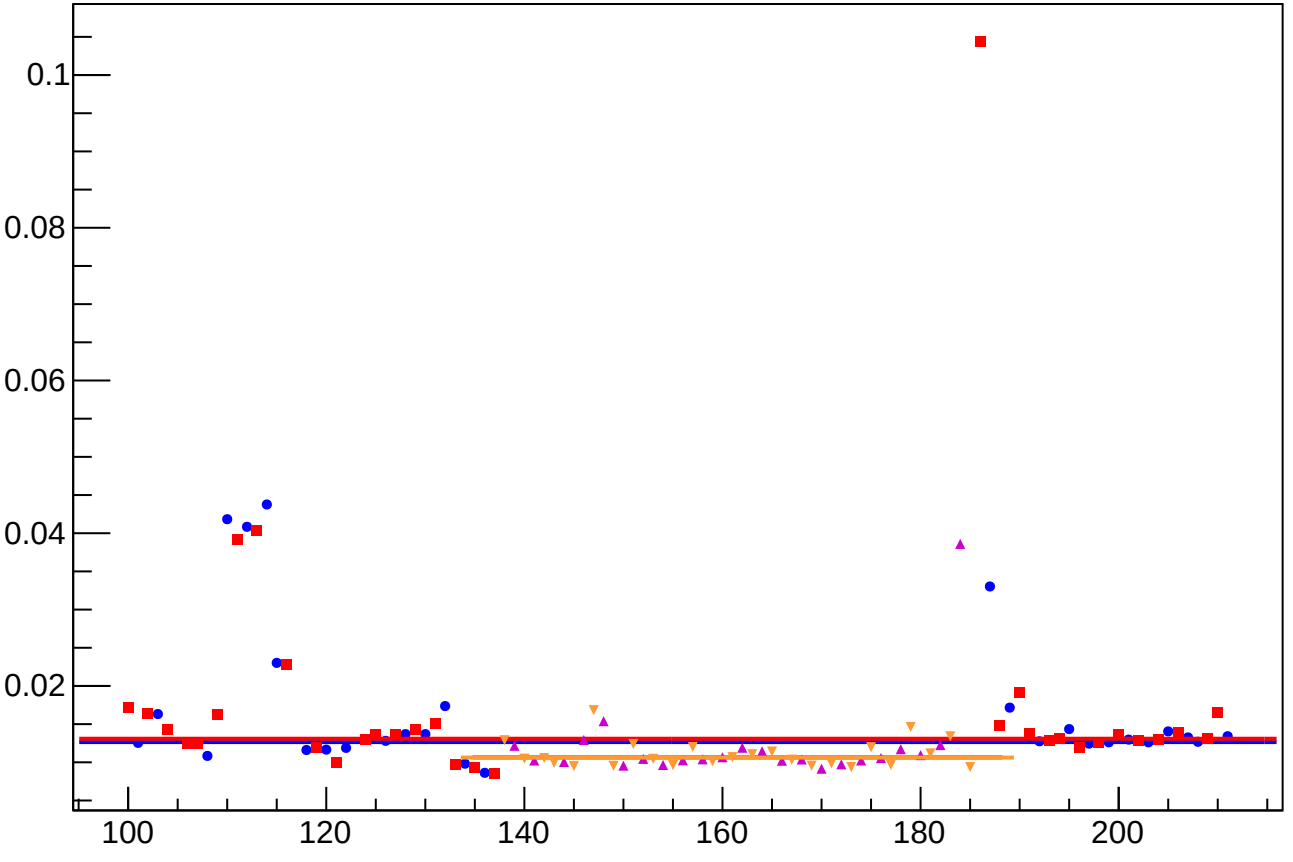
Right: 0.086+/-0.000 χ^2/NDF: 17760921344.2/60

In: 0.040+/-0.000 χ^2/NDF:8794754862.2/50

Out: 0.042+/-0.000 χ^2/NDF:9723785674.6/57

All: 0.041+/-0.000 χ^2/NDF: 18519198240.4/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1761143.5/27

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2192095.1/32

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

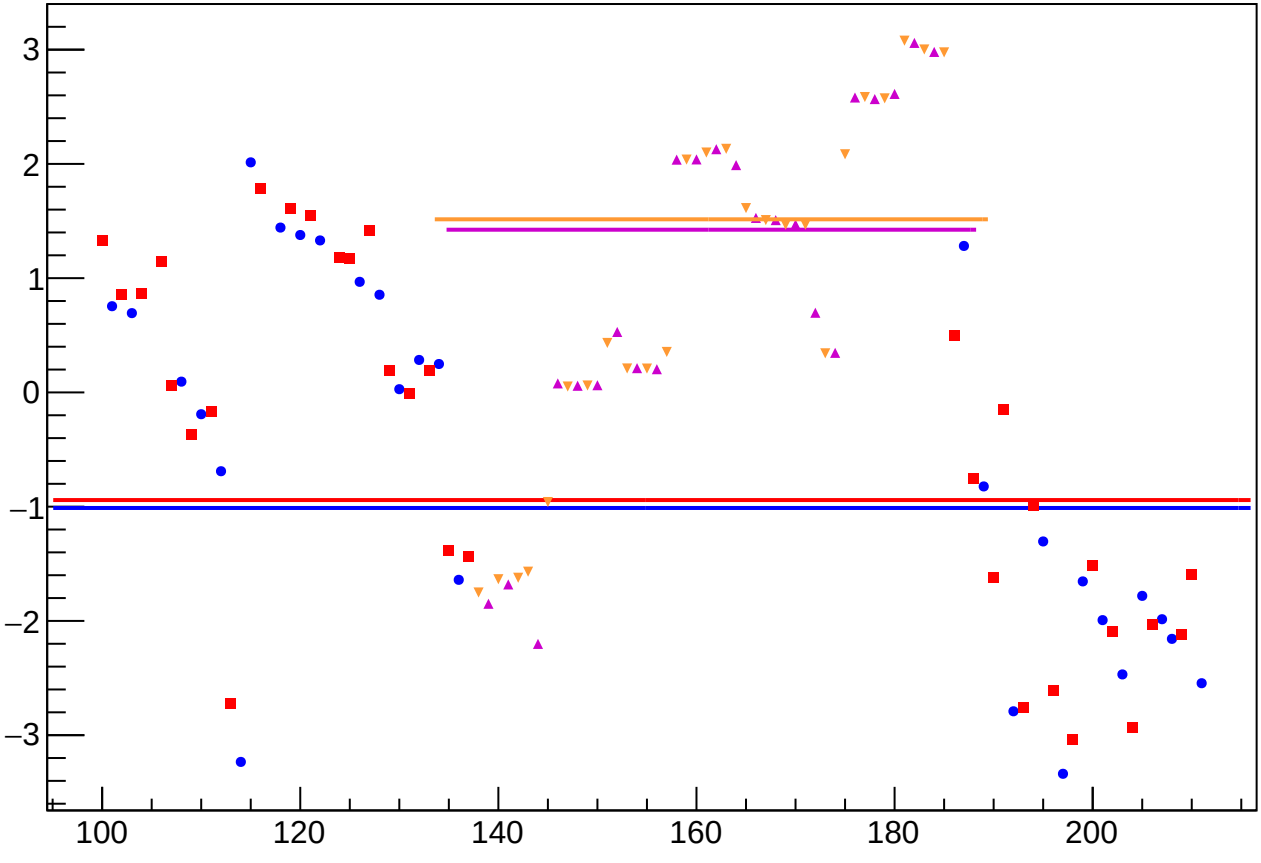
Right: 0.013+/-0.000 χ^2/NDF: 3971112.1/60

In: 0.011+/-0.000 χ^2/NDF:2794500.0/50

Out: 0.012+/-0.000 χ^2/NDF:3526133.4/57

All: 0.011+/-0.000 χ^2/NDF: 6324659.1/108

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF: 9554166615.4/27

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.942+/-0.000 χ^2/NDF: 9638155872.7/32

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

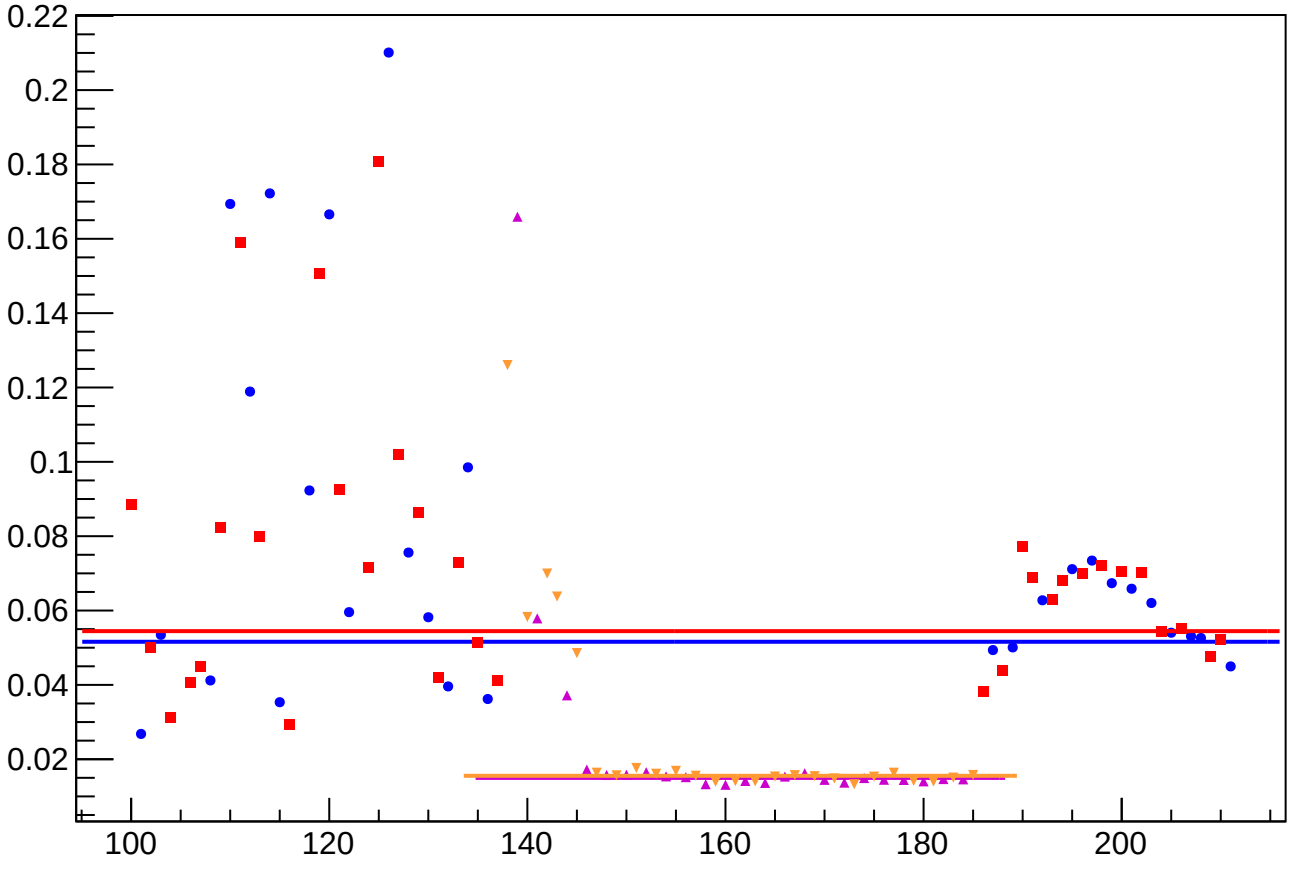
Right: -0.976+/-0.000 χ^2/NDF: 19203528634.4/60

In: 1.256+/-0.000 χ^2/NDF:103044088683.1/50

Out: 1.337+/-0.000 χ^2/NDF:103910633804.0/57

All: 1.296+/-0.000 χ^2/NDF: 207173885360.5

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3590088.6/27

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.054+/-0.000 χ^2/NDF: 3183835.9/32

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

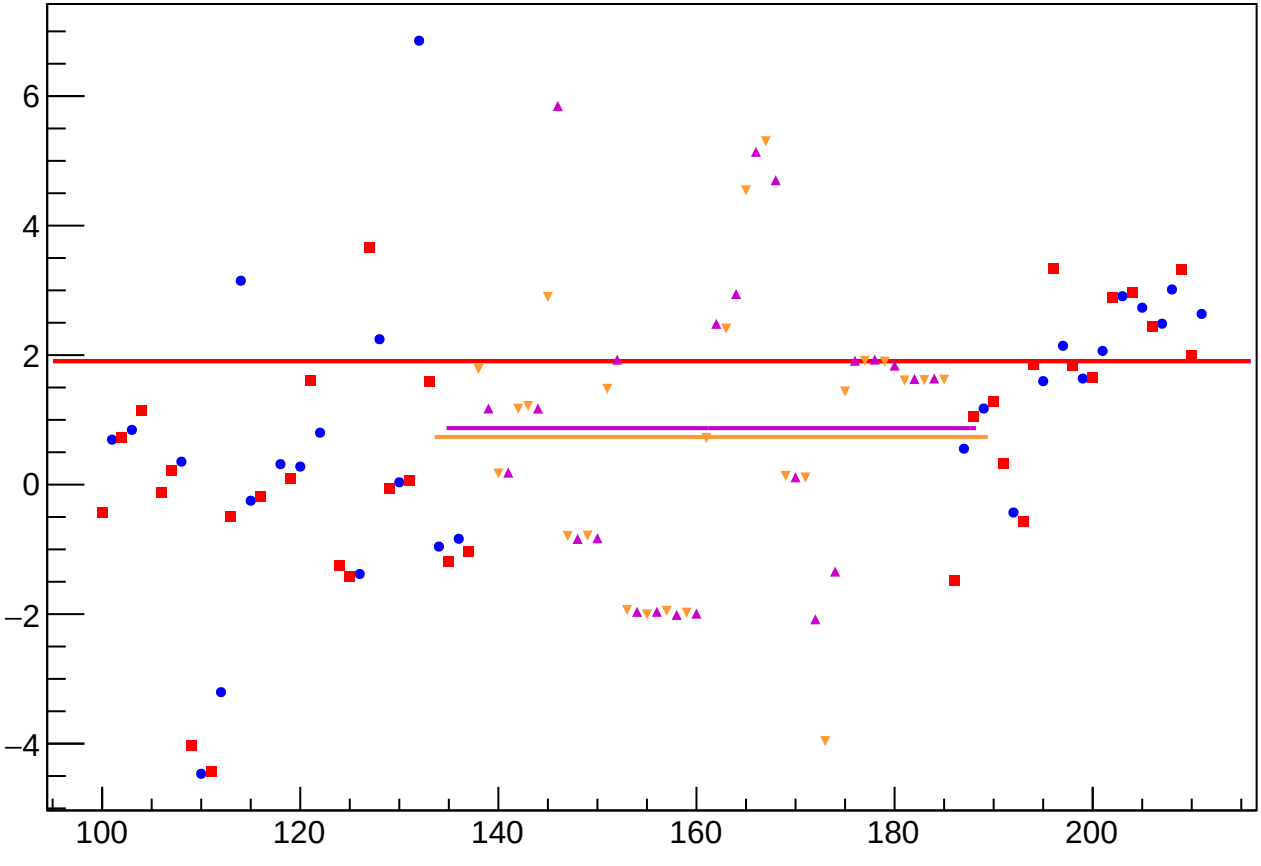
Right: 0.053+/-0.000 χ^2/NDF: 6812043.0/60

In: 0.018+/-0.000 χ^2/NDF:17280879.0/50

Out: 0.018+/-0.000 χ^2/NDF:19450452.1/57

All: 0.018+/-0.000 χ^2/NDF: 36779746.4/108

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.906+/-0.000 χ^2/NDF: 40231028005.7/27

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.907+/-0.000 χ^2/NDF: 44556494798.7/32

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

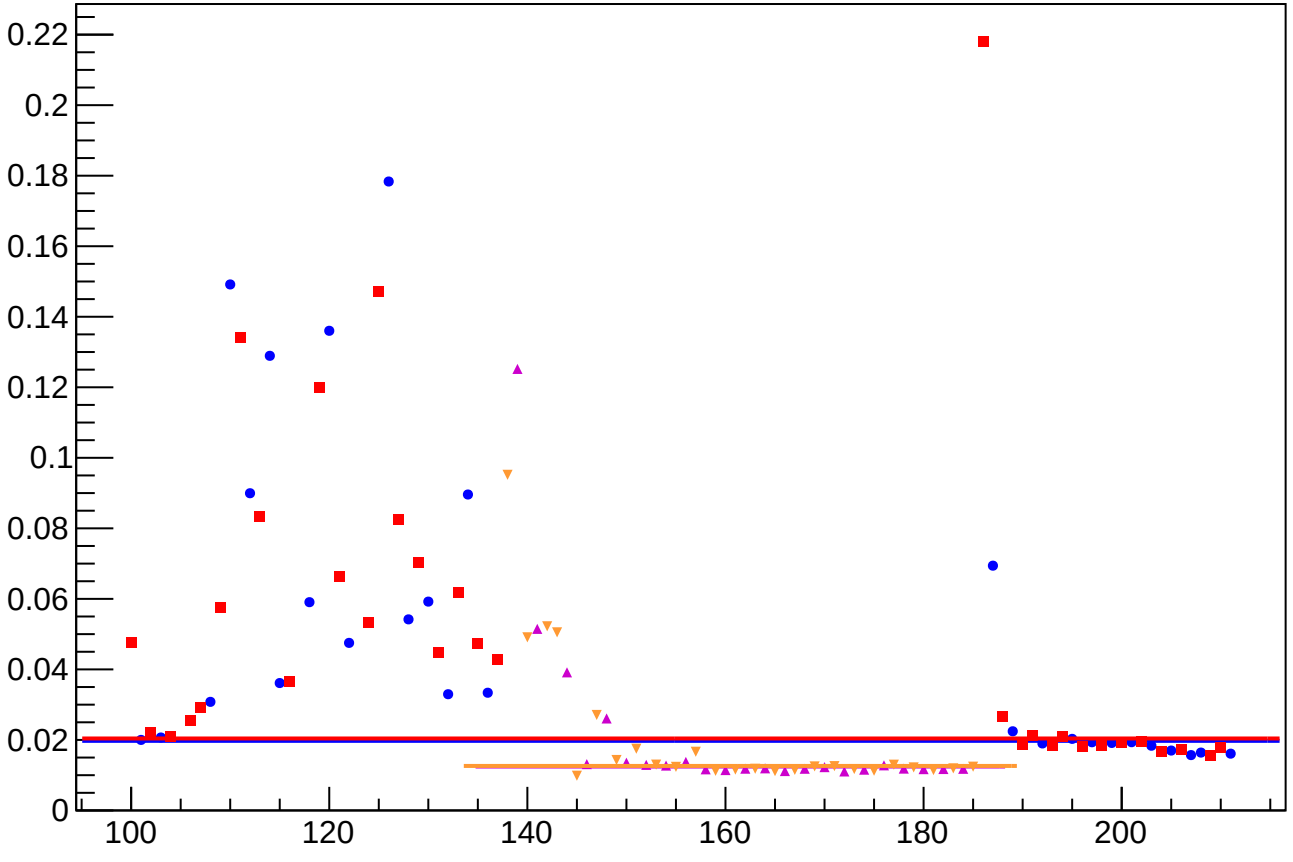
Right: 1.907+/-0.000 χ^2/NDF: 84787524477.5/60

In: 1.104+/-0.000 χ^2/NDF:684095720419.9/50

Out: 1.005+/-0.000 χ^2/NDF:611739285228.8/57

All: 1.054+/-0.000 χ^2/NDF: 1296456322787.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 4470575.9/27

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5525427.3/32

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

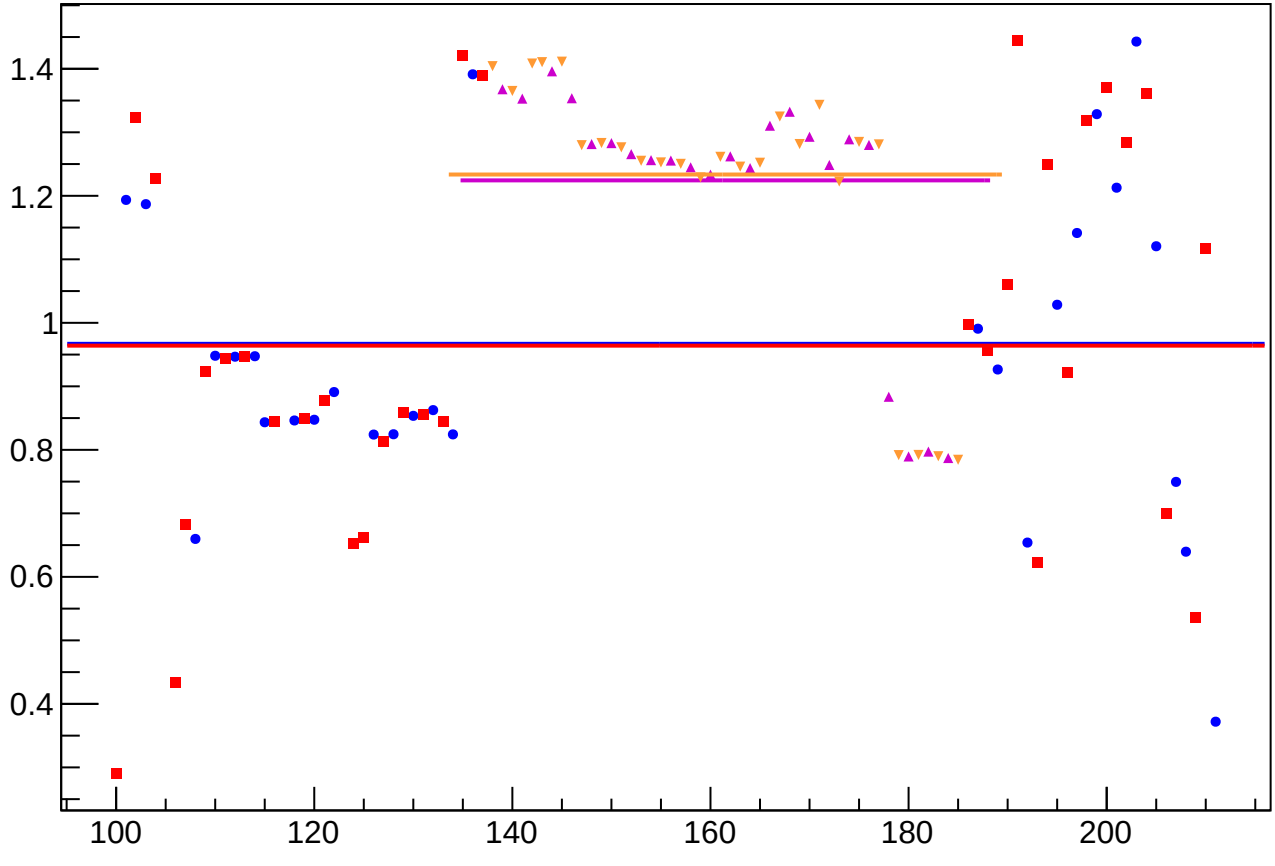
Right: 0.020+/-0.000 χ^2/NDF: 10008938.5/60

In: 0.014+/-0.000 χ^2/NDF:9580596.8/50

Out: 0.014+/-0.000 χ^2/NDF:11481121.8/57

All: 0.014+/-0.000 χ^2/NDF: 21075216.7/108

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.967+/-0.000 χ^2/NDF: 2181048927.0/27

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.964+/-0.000 χ^2/NDF: 2446682208.5/32

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

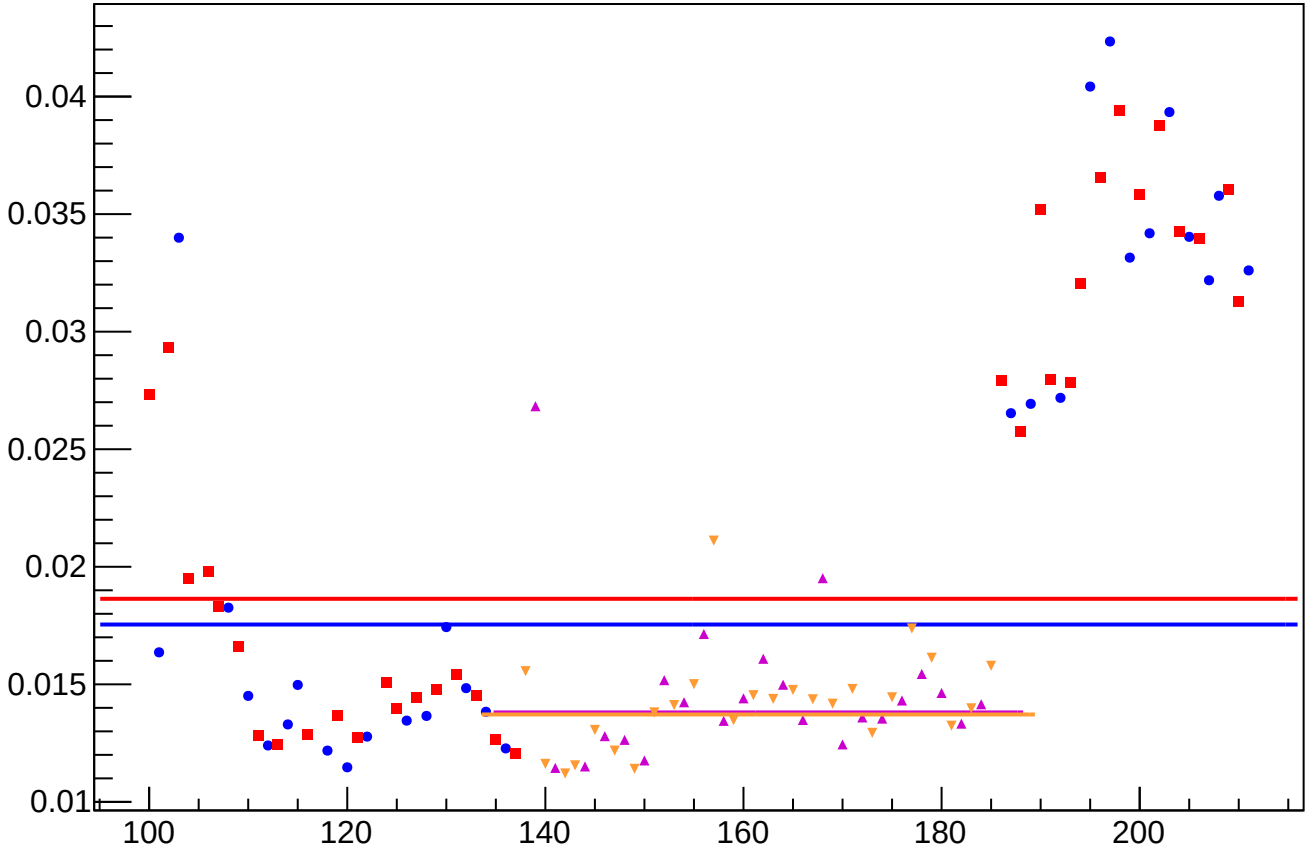
Right: 0.966+/-0.000 χ^2/NDF: 4627892727.3/60

In: 1.142+/-0.000 χ^2/NDF:6640936966.3/50

Out: 1.151+/-0.000 χ^2/NDF:7496883086.4/57

All: 1.147+/-0.000 χ^2/NDF: 14142960862.1/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 5499502.3/27

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.019+/-0.000 χ^2/NDF: 5379287.0/32

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

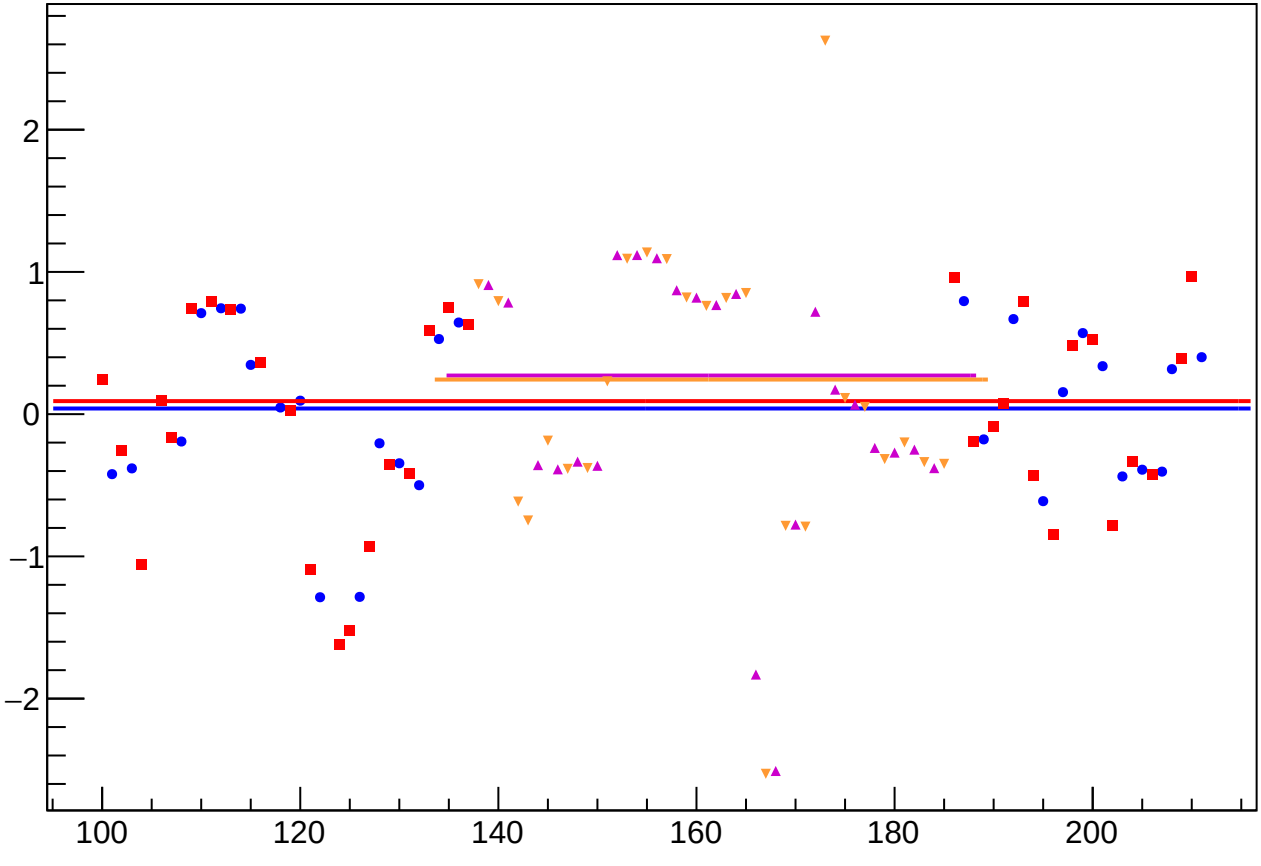
Right: 0.018+/-0.000 χ^2/NDF: 10926594.4/60

In: 0.015+/-0.000 χ^2/NDF:7132191.1/50

Out: 0.015+/-0.000 χ^2/NDF:7267931.6/57

All: 0.015+/-0.000 χ^2/NDF: 14406578.5/108

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.000 χ^2/NDF: 25444957962.0/27

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.092+/-0.000 χ^2/NDF: 44629410450.6/32

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

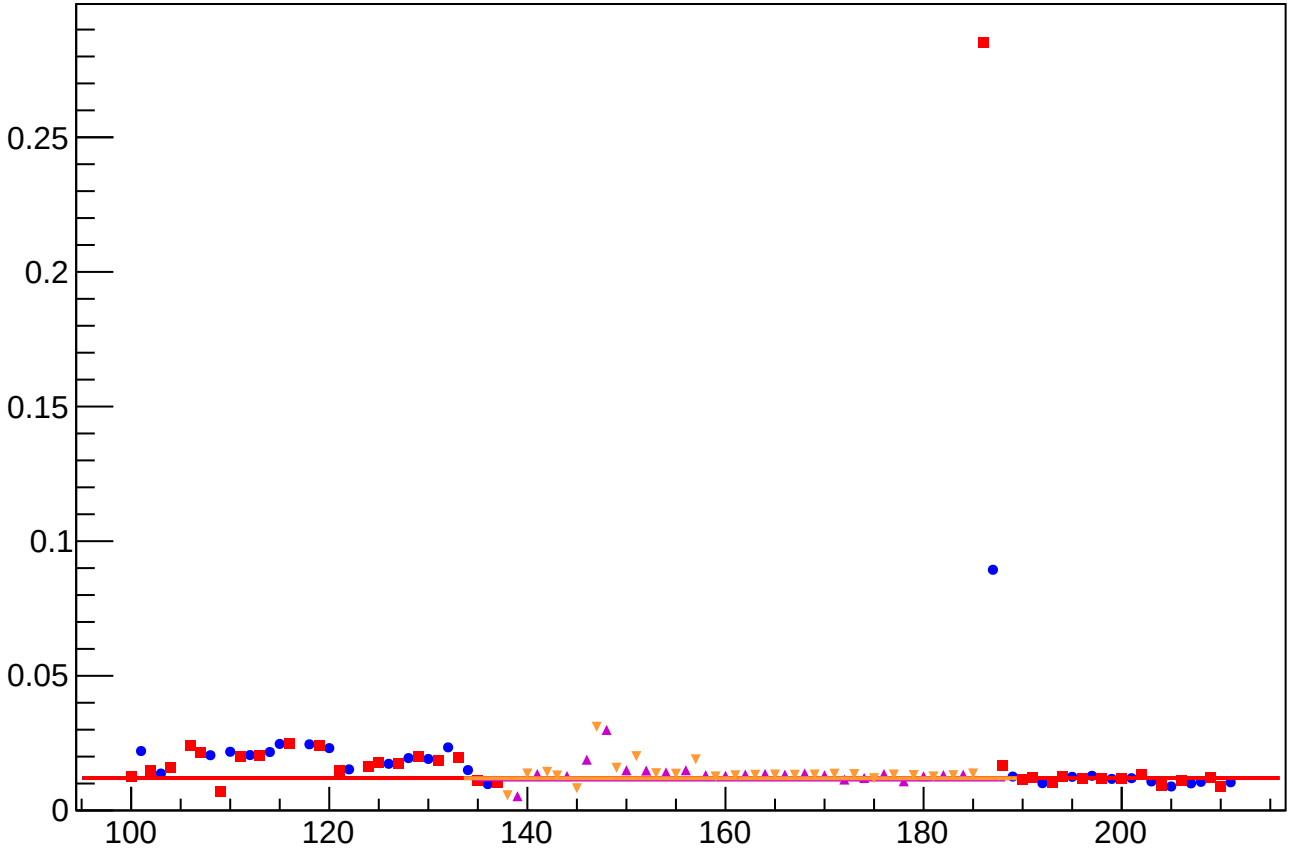
Right: 0.067+/-0.000 χ^2/NDF: 70204866550.3/60

In: 0.169+/-0.000 χ^2/NDF:118743956609.7/50

Out: 0.173+/-0.000 χ^2/NDF:151466179747.5/57

All: 0.171+/-0.000 χ^2/NDF: 270212330381.7

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2564360.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3128340.2/32

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

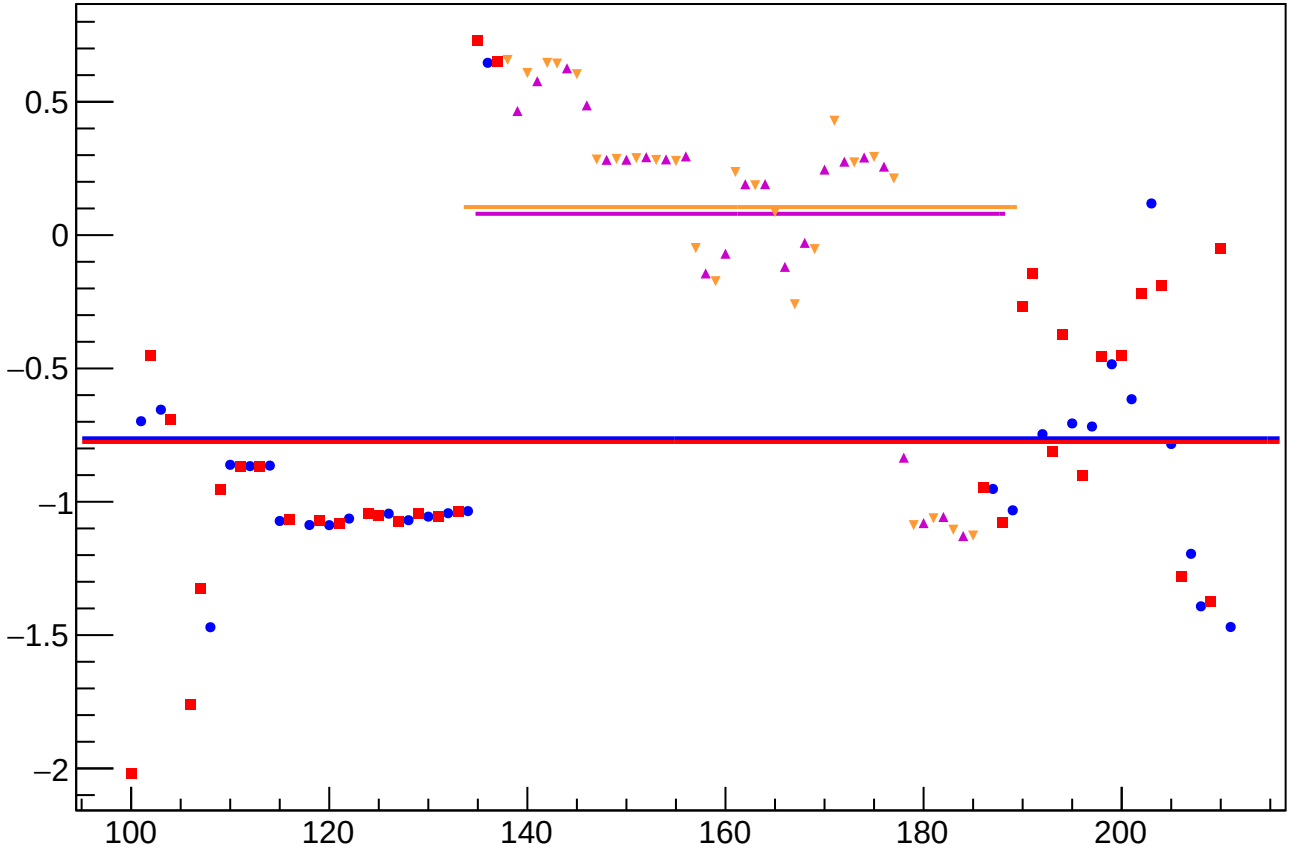
Right: 0.012+/-0.000 χ^2/NDF: 5692702.4/60

In: 0.012+/-0.000 χ^2/NDF:6268014.3/50

Out: 0.012+/-0.000 χ^2/NDF:6395313.3/57

All: 0.012+/-0.000 χ^2/NDF: 12677495.6/108

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.762+/-0.000 χ^2/NDF: 2310992918.0/27

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.776+/-0.000 χ^2/NDF: 2212772082.3/32

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

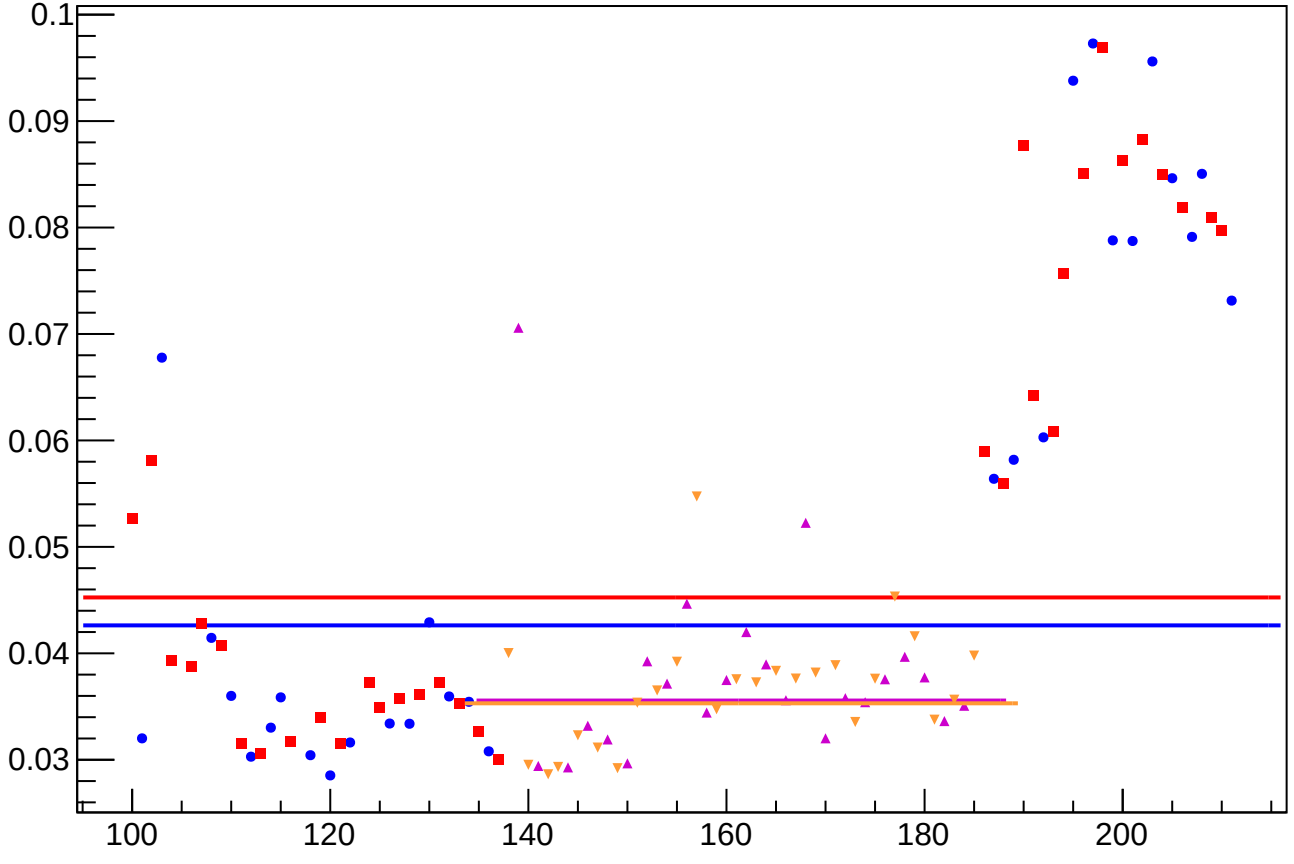
Right: -0.769+/-0.000 χ^2/NDF: 4524421104.6/60

In: -0.220+/-0.000 χ^2/NDF:8794050938.9/50

Out: -0.194+/-0.000 χ^2/NDF:9555448334.9/57

All: -0.207+/-0.000 χ^2/NDF: 18356436998.1/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.043+/-0.000 χ^2/NDF: 5131270.4/27

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.045+/-0.000 χ^2/NDF: 4869369.5/32

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

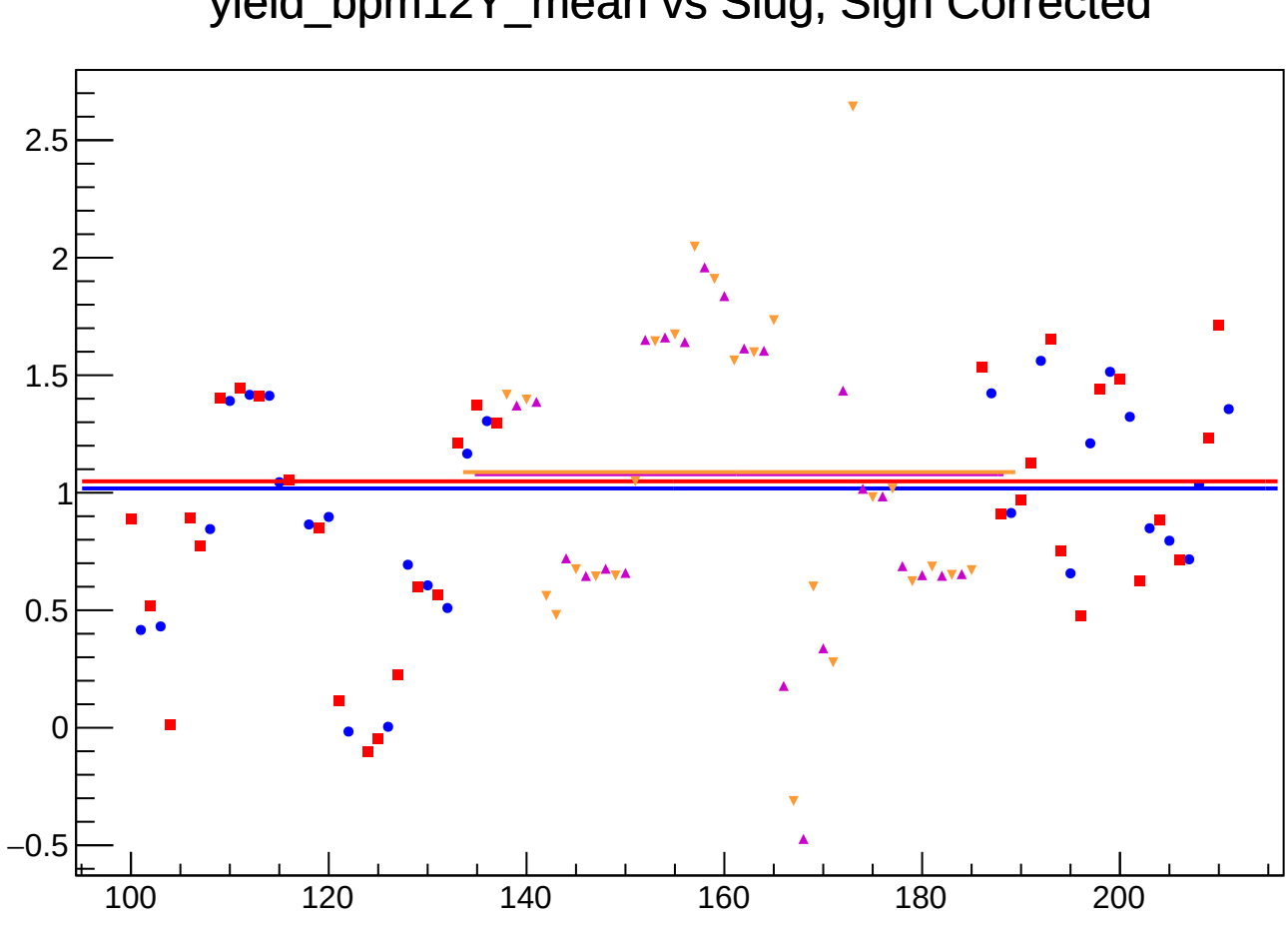
Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

Right: 0.044+/-0.000 χ^2/NDF: 10048783.4/60

In: 0.038+/-0.000 χ^2/NDF:6543769.0/50

Out: 0.039+/-0.000 χ^2/NDF:6388245.5/57

All: 0.038+/-0.000 χ^2/NDF: 12939265.0/108



Right In: 1.018+/-0.000 χ^2/NDF: 32804440585.0/27

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.049+/-0.000 χ^2/NDF: 49694492389.9/32

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

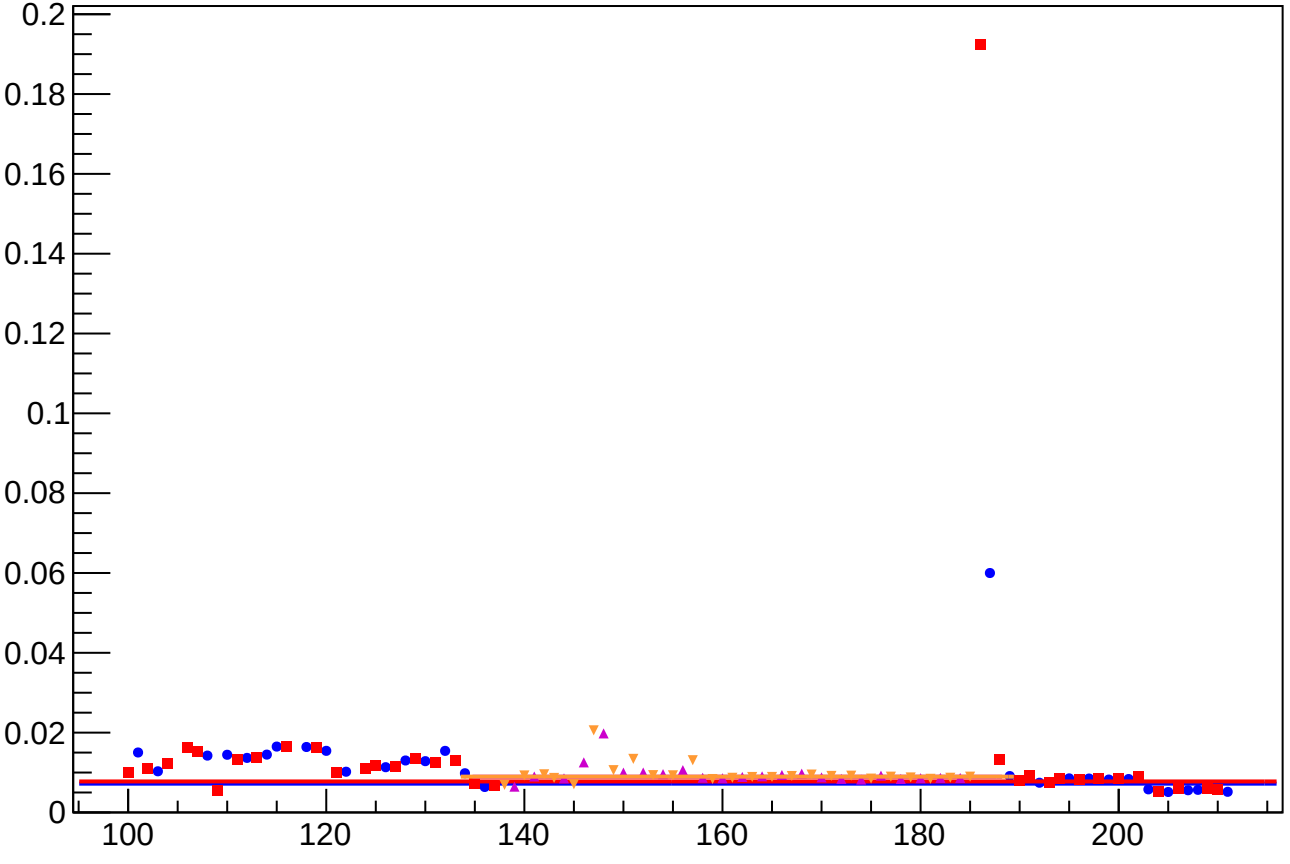
Right: 1.033+/-0.000 χ^2/NDF: 82614461080.3/60

In: 1.045+/-0.000 χ^2/NDF:107312609102.8/50

Out: 1.067+/-0.000 χ^2/NDF:143724927978.8/57

All: 1.056+/-0.000 χ^2/NDF: 251150437867.8

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3765547.8/27

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3843515.7/32

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

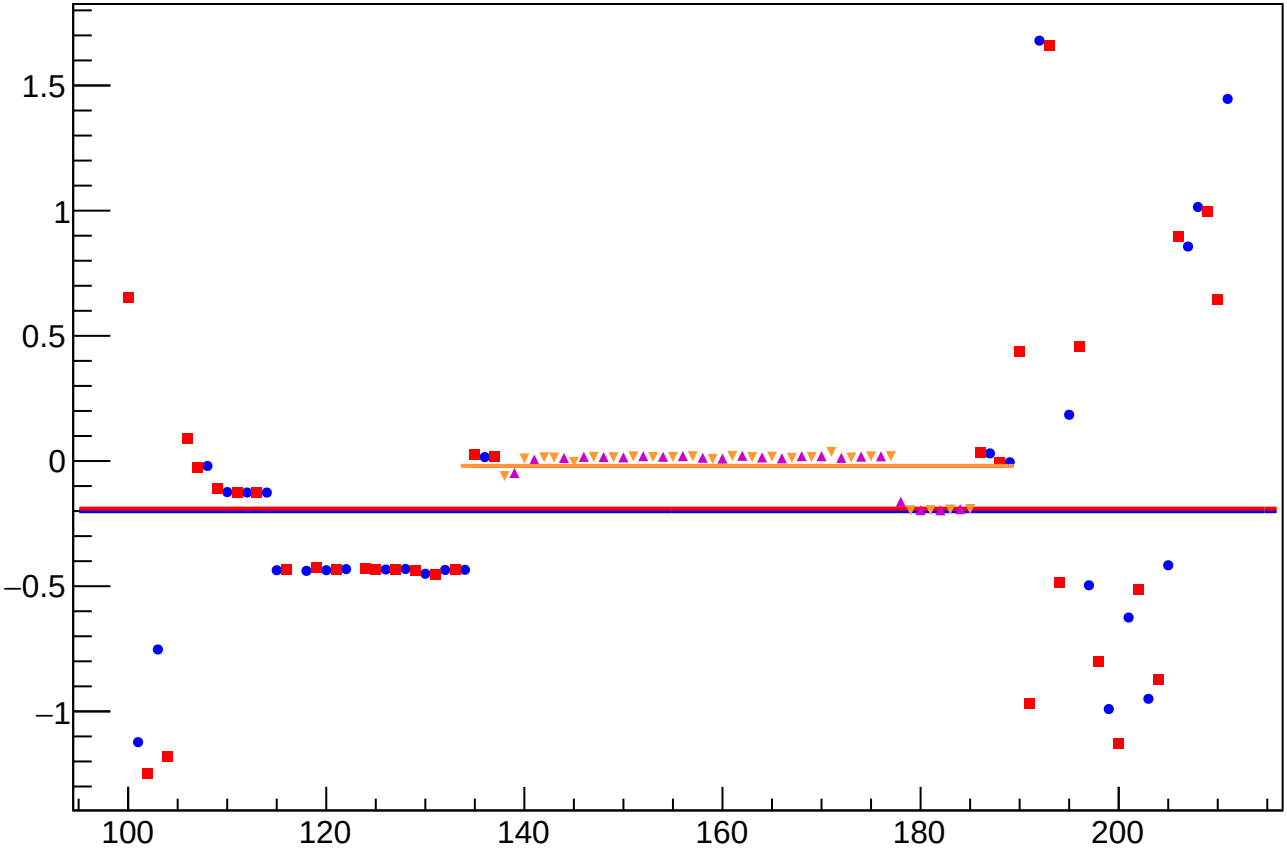
Right: 0.007+/-0.000 χ^2/NDF: 7685688.0/60

In: 0.008+/-0.000 χ^2/NDF:5431748.9/50

Out: 0.008+/-0.000 χ^2/NDF:5328974.2/57

All: 0.008+/-0.000 χ^2/NDF: 10818937.5/108

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF: 5930134650.4/27

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4546424758.7/32

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

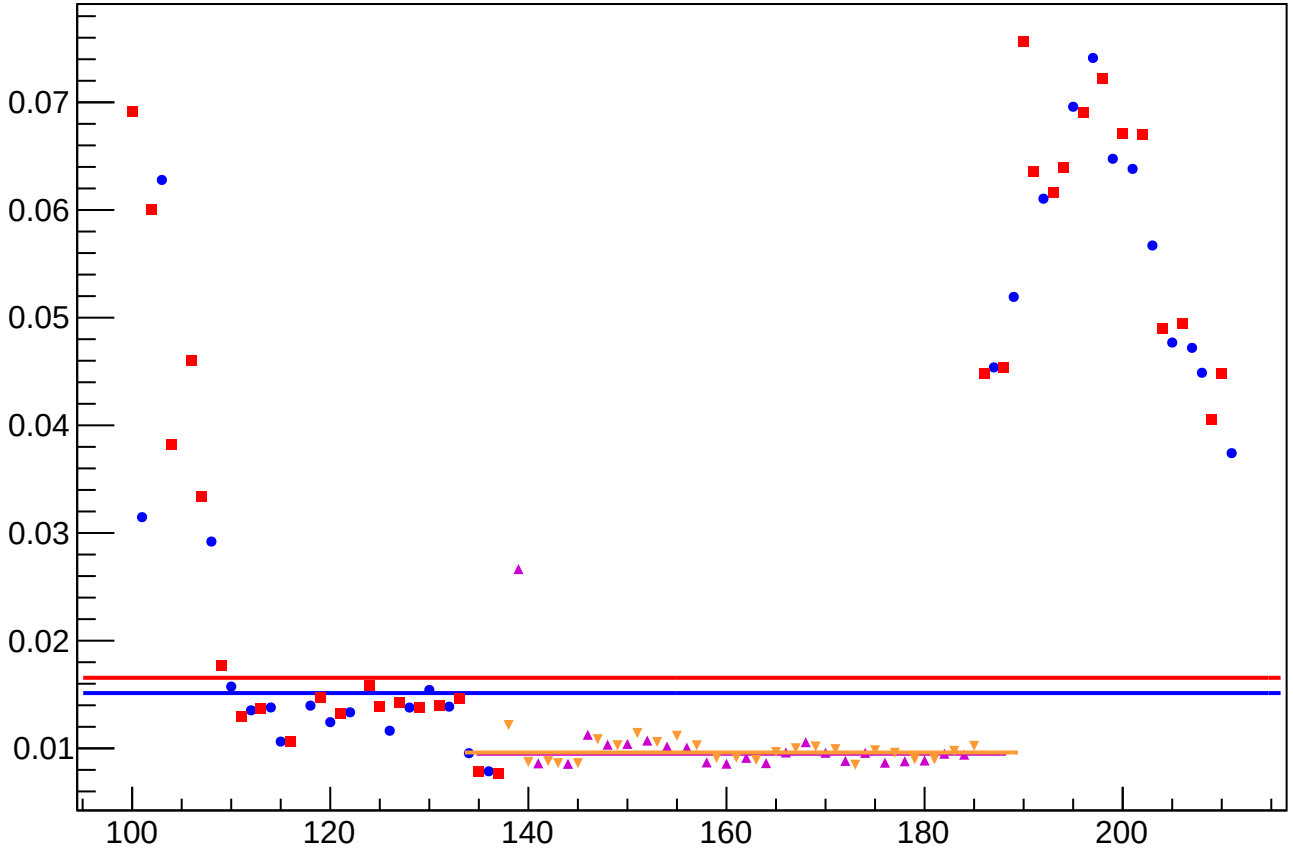
Right: -0.196+/-0.000 χ^2/NDF: 10478478949.2/60

In: -0.054+/-0.000 χ^2/NDF:7939105242.4/50

Out: -0.048+/-0.000 χ^2/NDF:6464025907.1/57

All: -0.051+/-0.000 χ^2/NDF: 14407008487.5/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 12060355.4/27

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.017+/-0.000 χ^2/NDF: 13265520.1/32

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

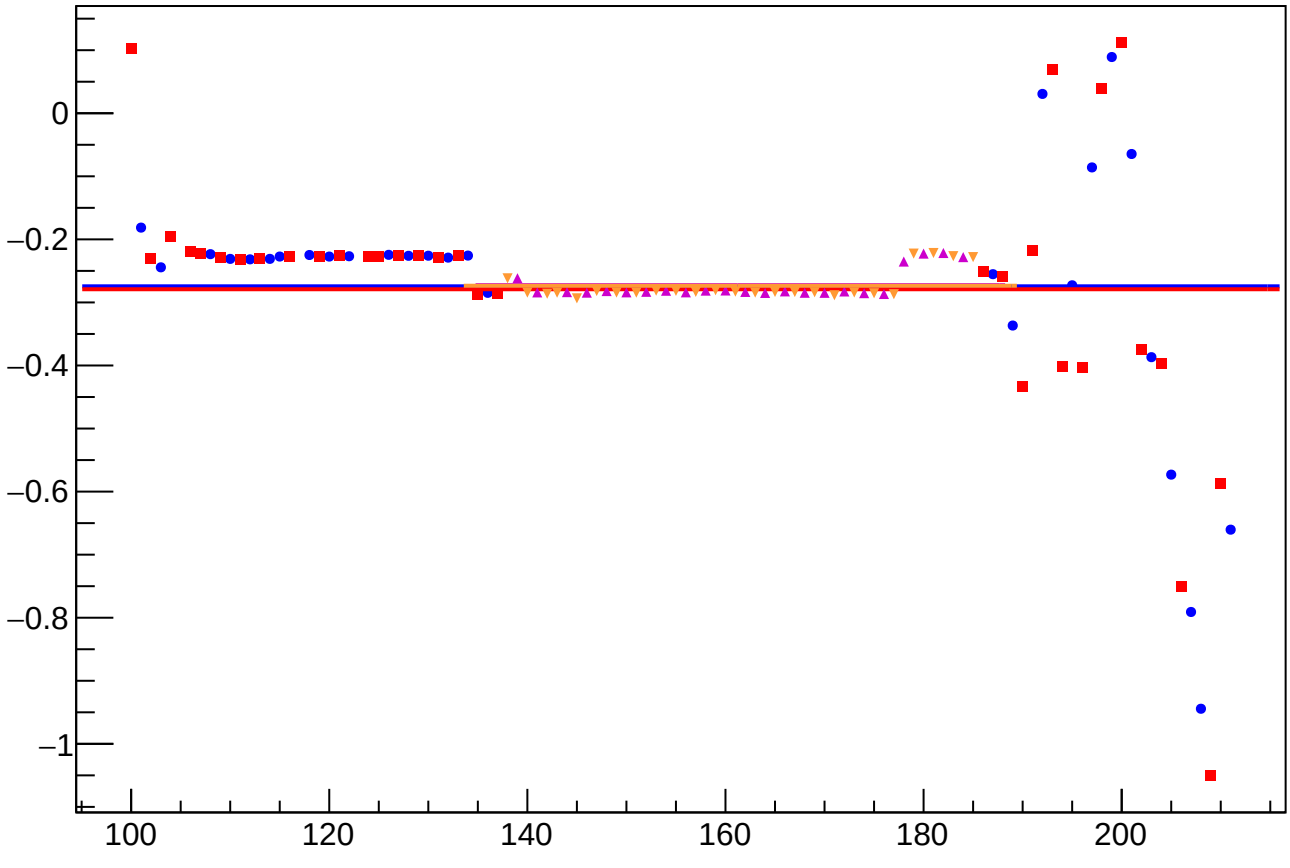
Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

Right: 0.016+/-0.000 χ^2/NDF: 25400133.6/60

In: 0.011+/-0.000 χ^2/NDF:14960909.1/50

Out: 0.011+/-0.000 χ^2/NDF:16366464.8/57

All: 0.011+/-0.000 χ^2/NDF: 31337195.8/108



Right In: -0.274+/-0.000 χ^2/NDF: 26896911920.3/27

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.279+/-0.000 χ^2/NDF: 27267694887.4/32

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

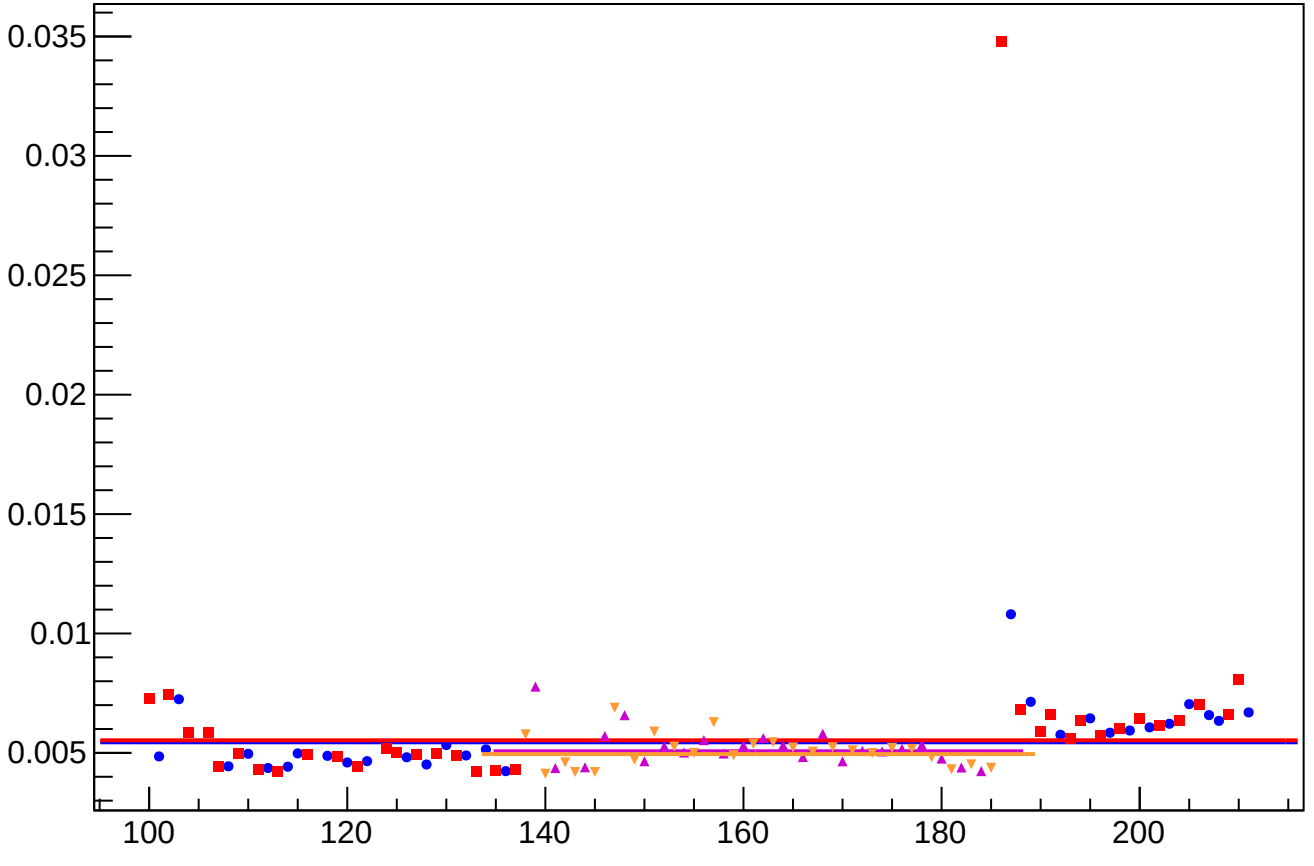
Right: -0.277+/-0.000 χ^2/NDF: 54170186098.6/60

In: -0.273+/-0.000 χ^2/NDF:27233027116.7/50

Out: -0.276+/-0.000 χ^2/NDF:27672838313.6/57

All: -0.275+/-0.000 χ^2/NDF: 54909495525.3/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 921531.6/27

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1624569.8/32

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

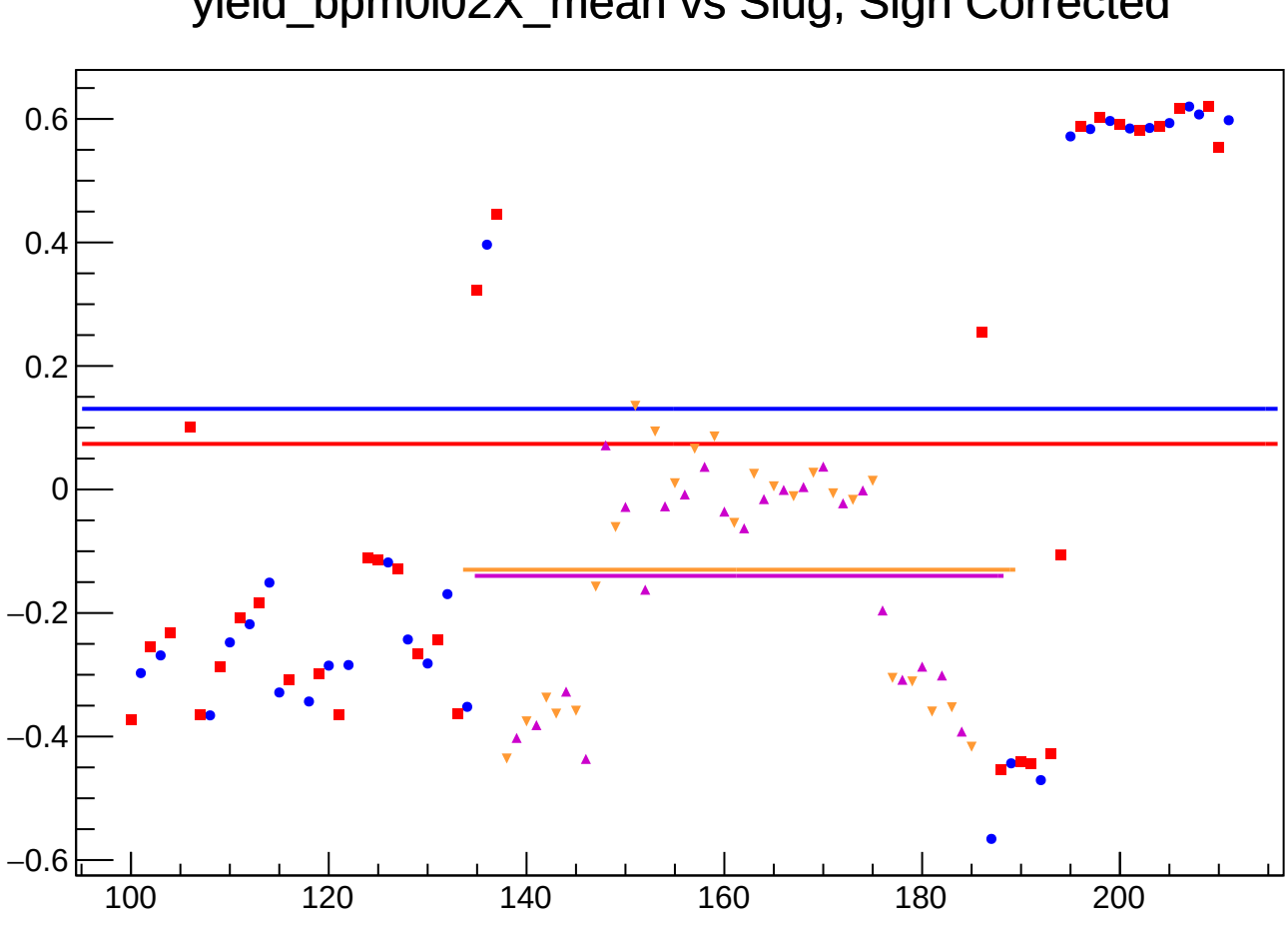
Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

Right: 0.005+/-0.000 χ^2/NDF: 2549650.9/60

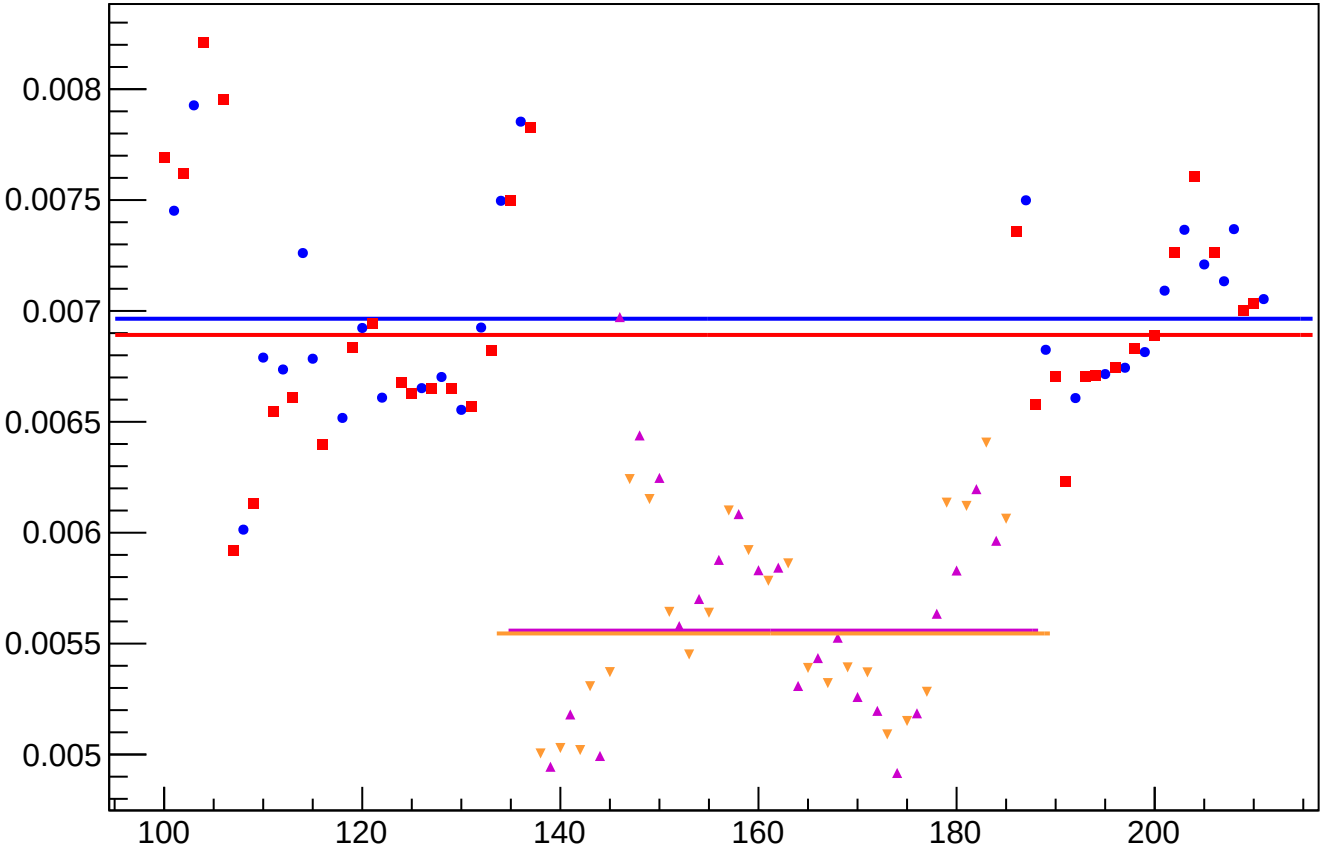
In: 0.005+/-0.000 χ^2/NDF:1542855.3/50

Out: 0.005+/-0.000 χ^2/NDF:2358188.5/57

All: 0.005+/-0.000 χ^2/NDF: 3902827.0/108


yield_bpm0i02X_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.131+/-0.000 χ²/NDF: 68805708422.4/27
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: 0.074+/-0.000 χ²/NDF: 69027876540.9/32
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
Left: -0.135+/-0.000 χ²/NDF: 36673480193.4/47
Right: 0.101+/-0.000 χ²/NDF: 138403981301.3/60
In: -0.038+/-0.000 χ²/NDF:99317216112.7/50
Out: -0.052+/-0.000 χ²/NDF:100040342612.5/57
All: -0.045+/-0.000 χ²/NDF: 199440465326.2

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 112262.8/27

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 143220.2/32

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

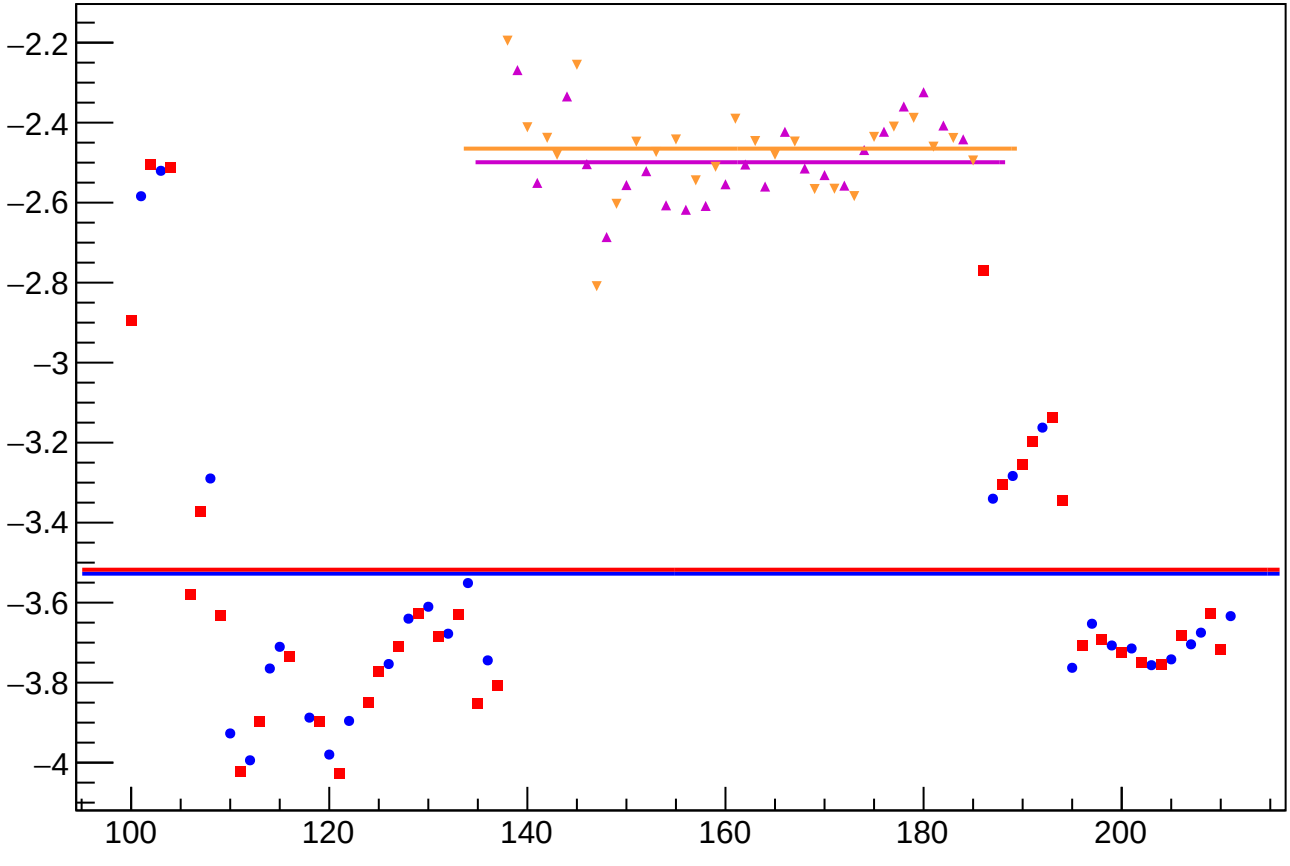
Right: 0.007+/-0.000 χ^2/NDF: 257369.5/60

In: 0.006+/-0.000 χ^2/NDF:1203938.2/50

Out: 0.006+/-0.000 χ^2/NDF:1176006.8/57

All: 0.006+/-0.000 χ^2/NDF: 2380465.0/108

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.528+/-0.000 χ^2/NDF: 32871886725.6/27

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.518+/-0.000 χ^2/NDF: 34898283375.1/32

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

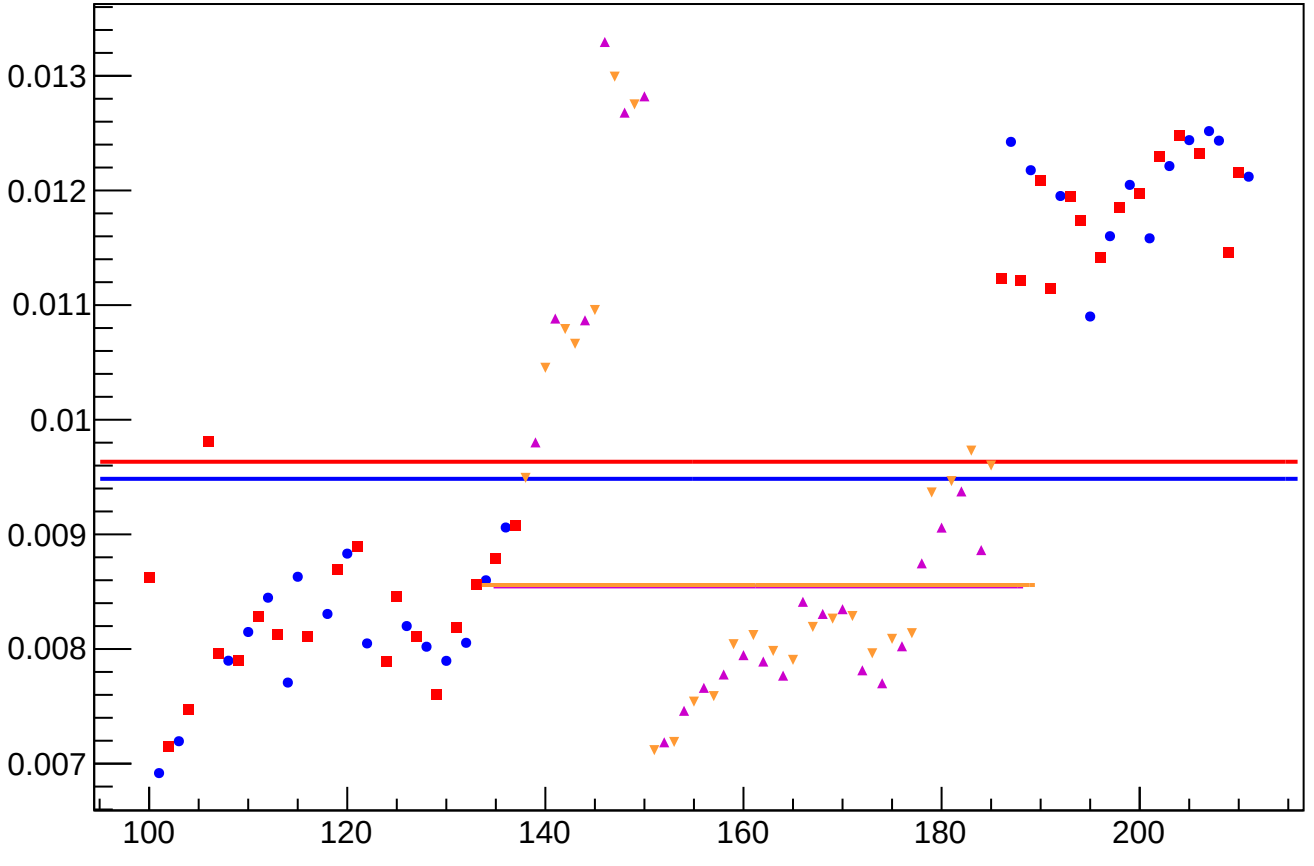
Right: -3.522+/-0.000 χ^2/NDF: 67778911951.7/60

In: -2.936+/-0.000 χ^2/NDF:140401022754.0/50

Out: -2.913+/-0.000 χ^2/NDF:153416445341.5/57

All: -2.924+/-0.000 χ^2/NDF: 293934361181.4

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1377497.3/27

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1317077.9/32

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

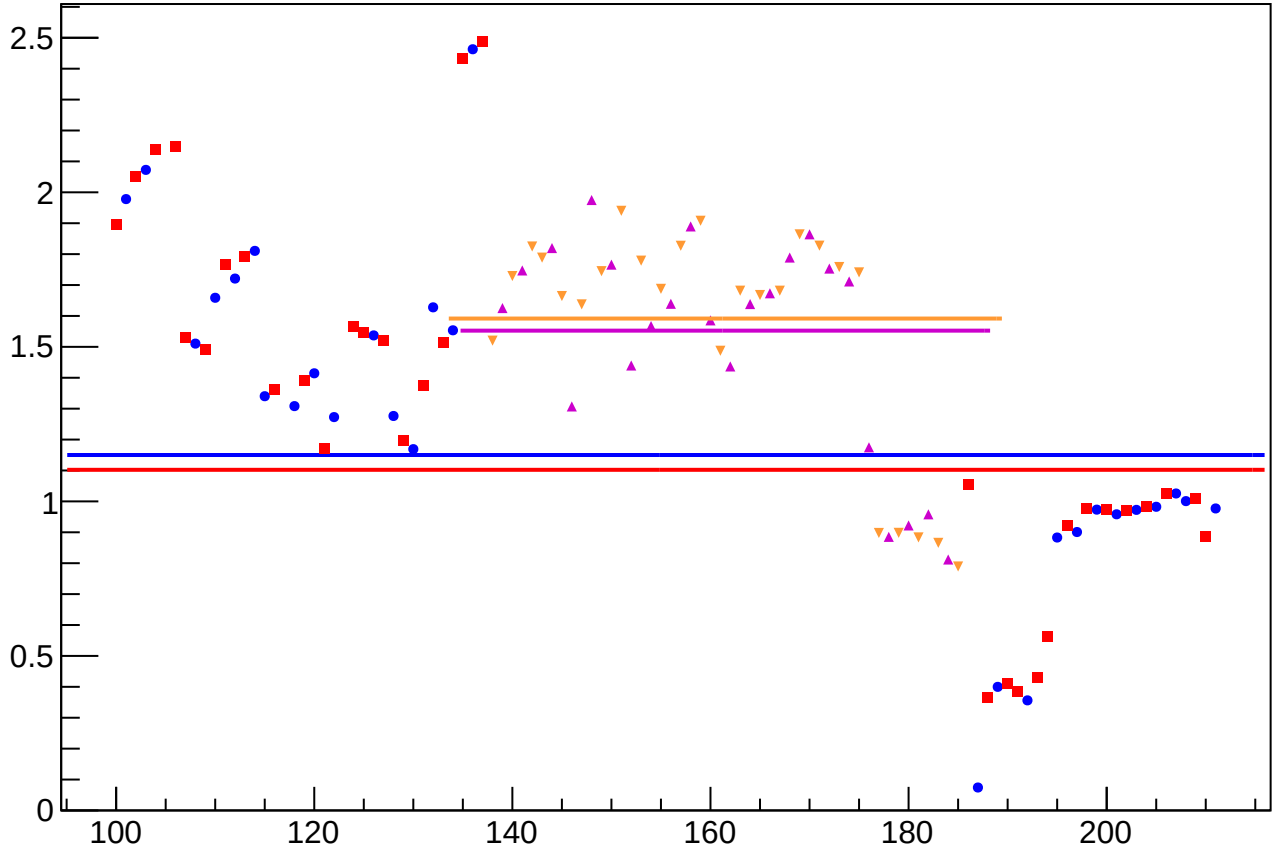
Right: 0.010+/-0.000 χ^2/NDF: 2698519.8/60

In: 0.009+/-0.000 χ^2/NDF:2463590.6/50

Out: 0.009+/-0.000 χ^2/NDF:2383870.0/57

All: 0.009+/-0.000 χ^2/NDF: 4849546.2/108

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.150+/-0.000 χ^2/NDF: 29555108466.3/27

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.102+/-0.000 χ^2/NDF: 34694216084.2/32

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

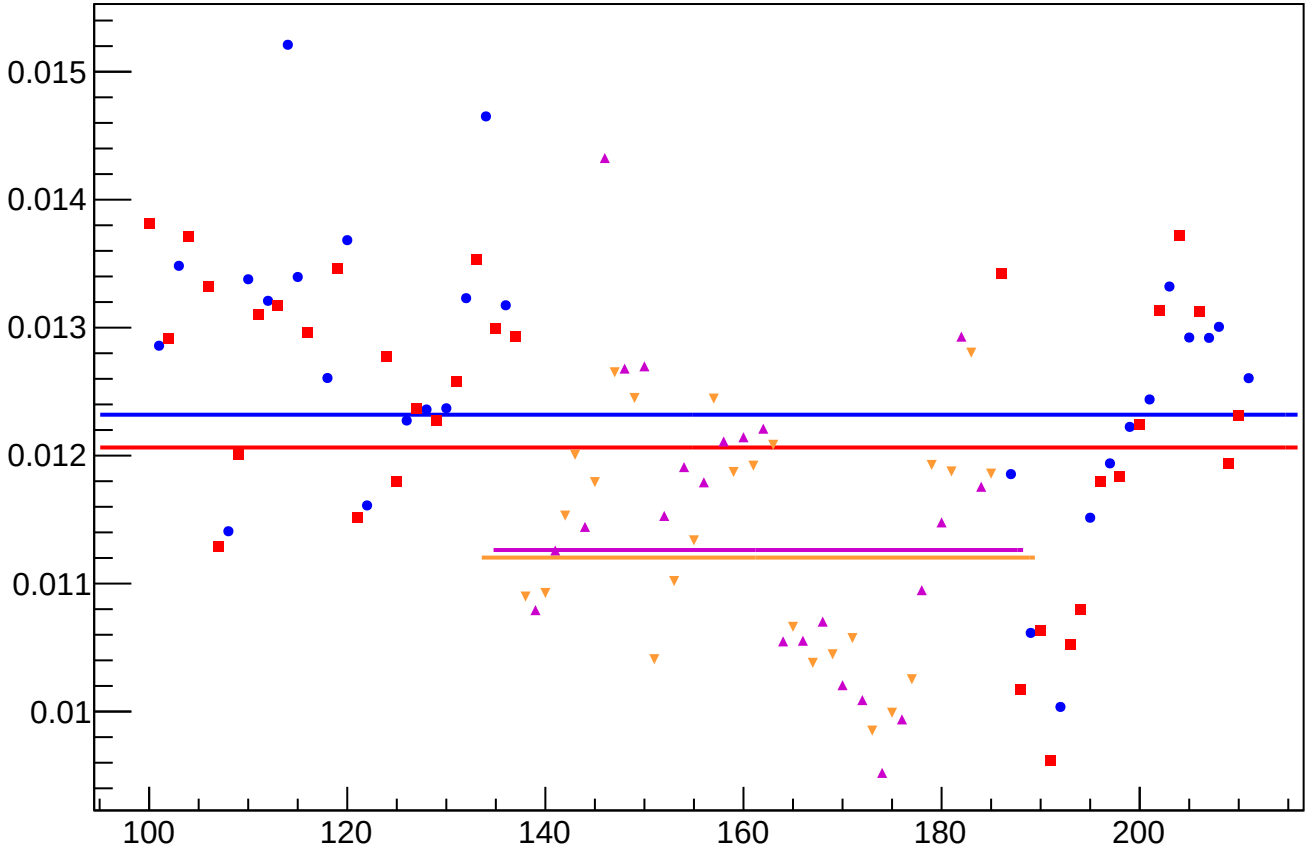
Right: 1.125+/-0.000 χ^2/NDF: 64379136926.1/60

In: 1.376+/-0.000 χ^2/NDF:53302710226.0/50

Out: 1.371+/-0.000 χ^2/NDF:67629391330.7/57

All: 1.374+/-0.000 χ^2/NDF: 120935081004.9

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 234972.8/27

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 304604.9/32

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

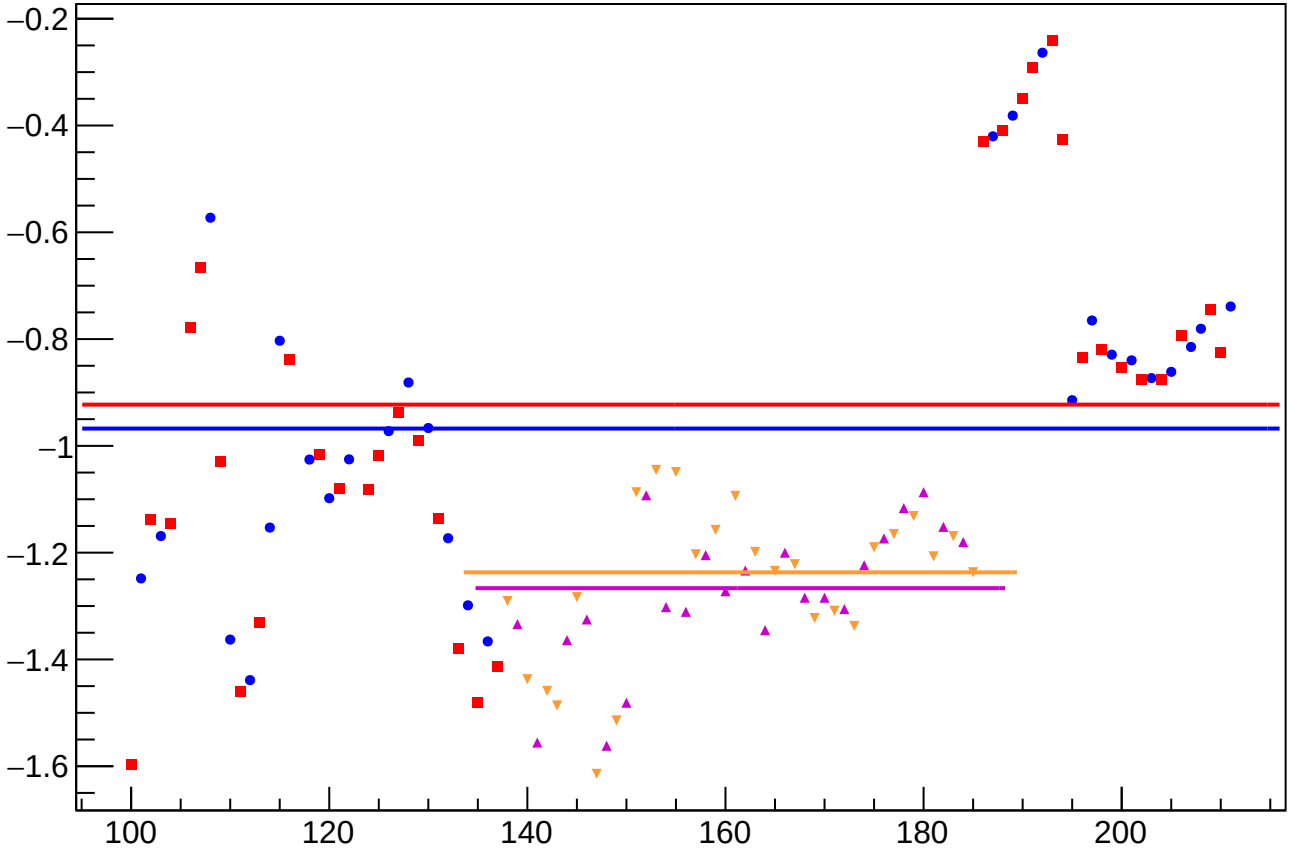
Right: 0.012+/-0.000 χ^2/NDF: 546999.2/60

In: 0.012+/-0.000 χ^2/NDF:680491.6/50

Out: 0.012+/-0.000 χ^2/NDF:626178.4/57

All: 0.012+/-0.000 χ^2/NDF: 1311330.0/108

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.968+/-0.000 χ^2/NDF: 12389764712.8/27

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.923+/-0.000 χ^2/NDF: 16962597830.0/32

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

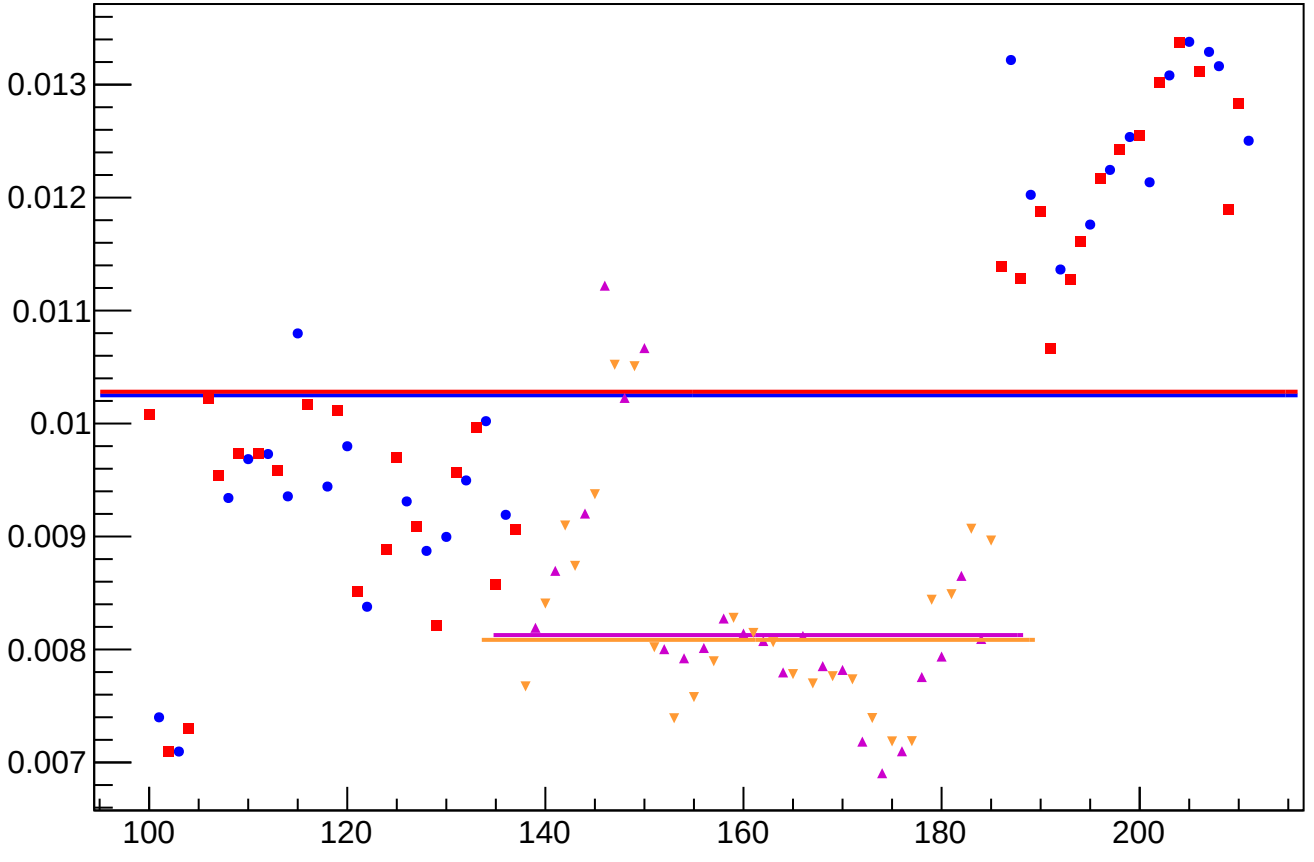
Right: -0.944+/-0.000 χ^2/NDF: 29506388658.0/60

In: -1.158+/-0.000 χ^2/NDF:24470266796.7/50

Out: -1.122+/-0.000 χ^2/NDF:31915785232.3/57

All: -1.139+/-0.000 χ^2/NDF: 56660354741.8/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1177238.1/27

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1158420.0/32

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

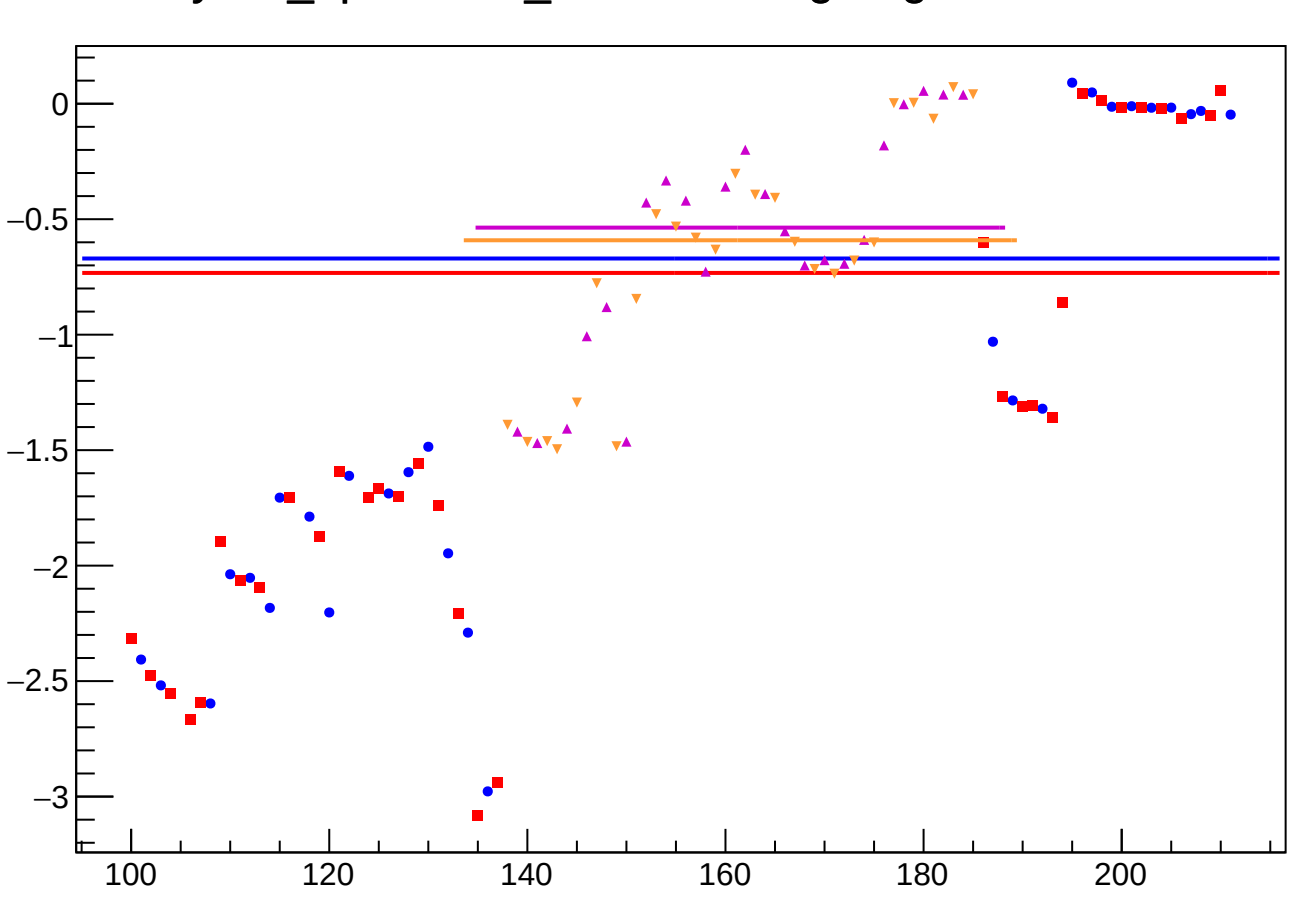
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 2335814.7/60

In: 0.009+/-0.000 χ^2/NDF:2433709.6/50

Out: 0.009+/-0.000 χ^2/NDF:2461526.5/57

All: 0.009+/-0.000 χ^2/NDF: 4895267.9/108



Right In: -0.670+/-0.000 χ^2/NDF: 381587625111.3/27

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.733+/-0.000 χ^2/NDF: 415884062453.1/32

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

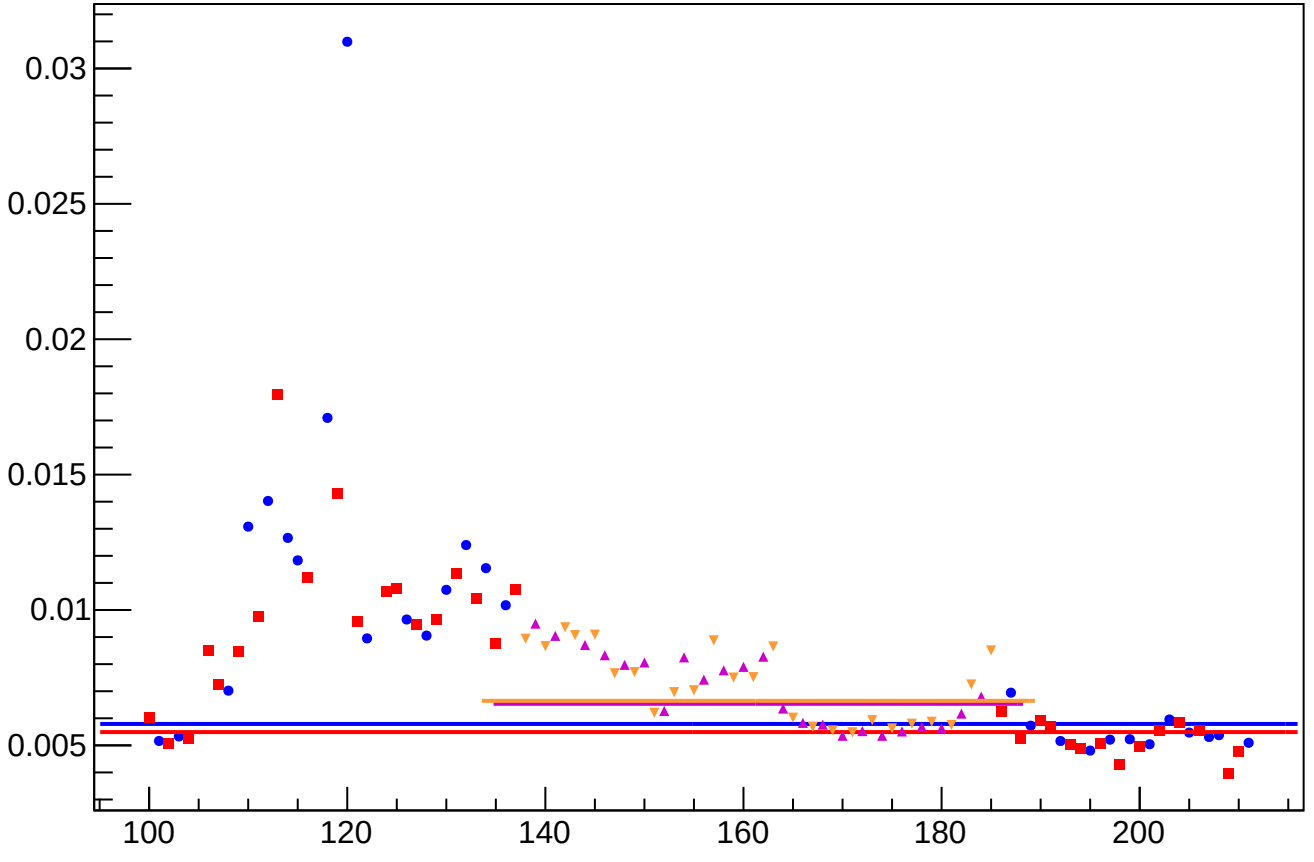
Right: -0.705+/-0.000 χ^2/NDF: 798331379521.8/60

In: -0.606+/-0.000 χ^2/NDF:455199792246.4/50

Out: -0.671+/-0.000 χ^2/NDF:492835239675.3/57

All: -0.640+/-0.000 χ^2/NDF: 949764984276.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2537593.0/27

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2674777.9/32

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

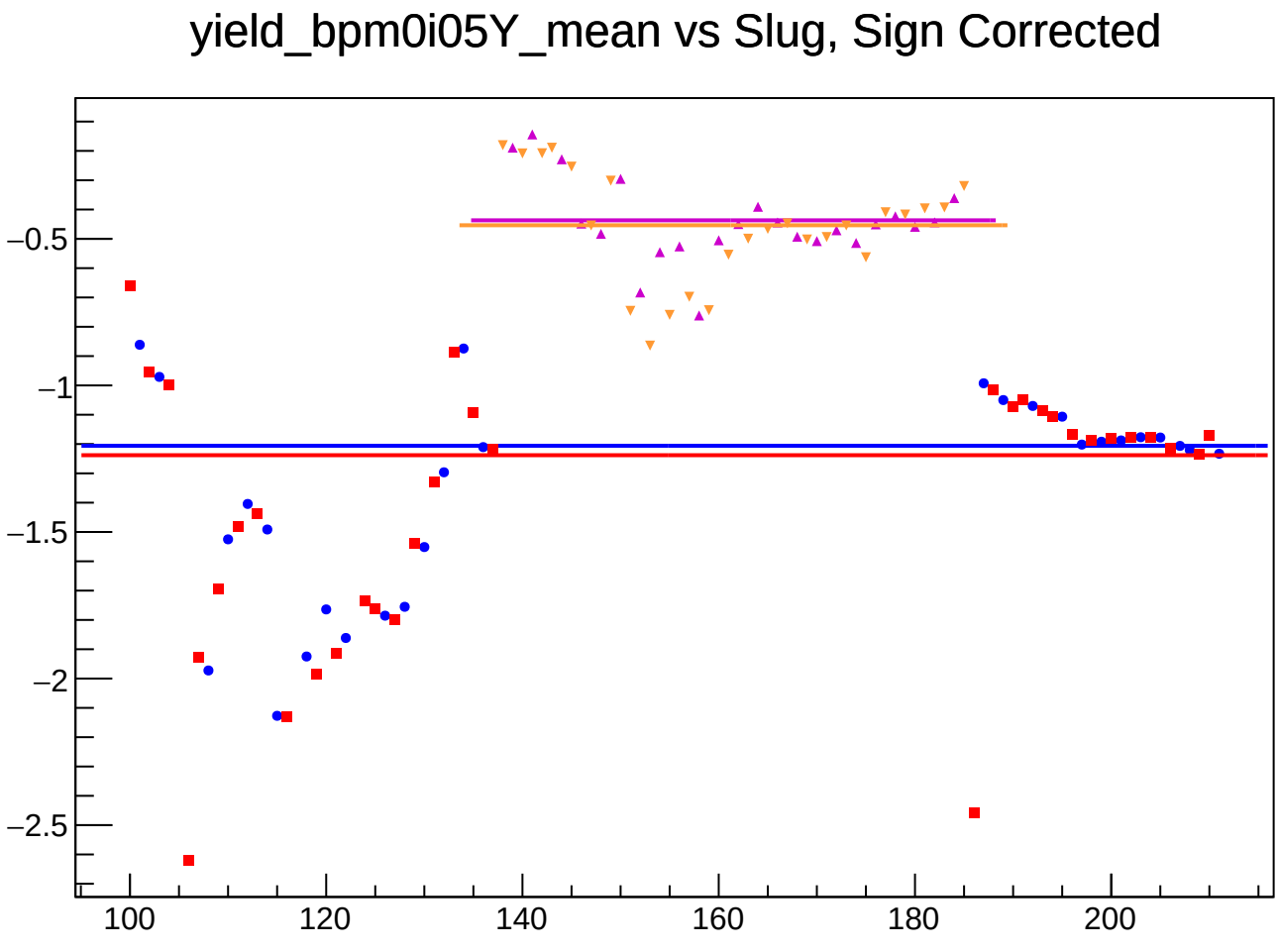
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5252216.5/60

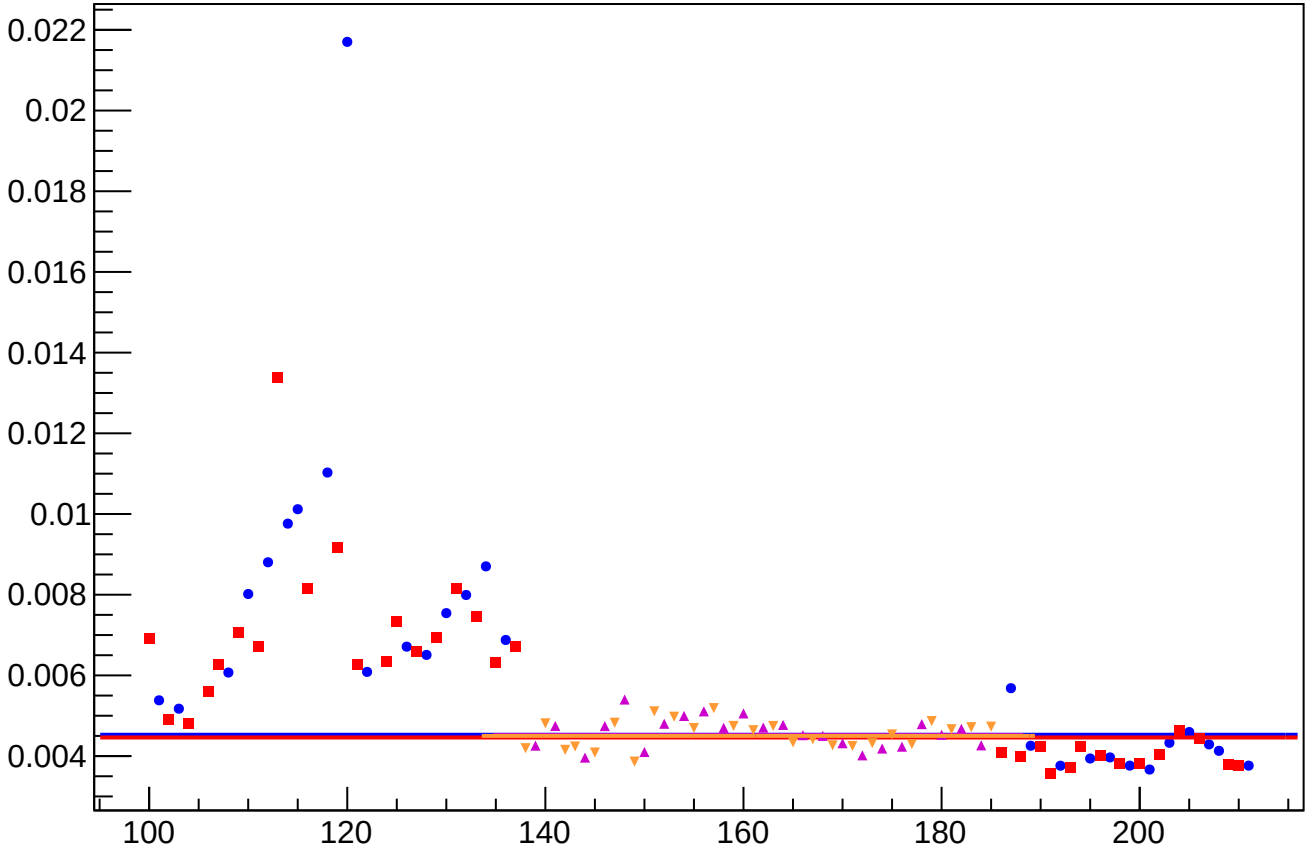
In: 0.006+/-0.000 χ^2/NDF:3901586.8/50

Out: 0.006+/-0.000 χ^2/NDF:4336200.5/57

All: 0.006+/-0.000 χ^2/NDF: 8257280.5/108


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.206+/-0.000 χ²/NDF: 27182364493.2/27
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.238+/-0.000 χ²/NDF: 72476000654.4/32
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.223+/-0.000 χ²/NDF: 100025972582.1/60
In: -0.781+/-0.000 χ²/NDF:259741431322.1/50
Out: -0.819+/-0.000 χ²/NDF:351013461306.2/57
All: -0.801+/-0.000 χ²/NDF: 611853650589.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2244746.8/27

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1965640.0/32

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

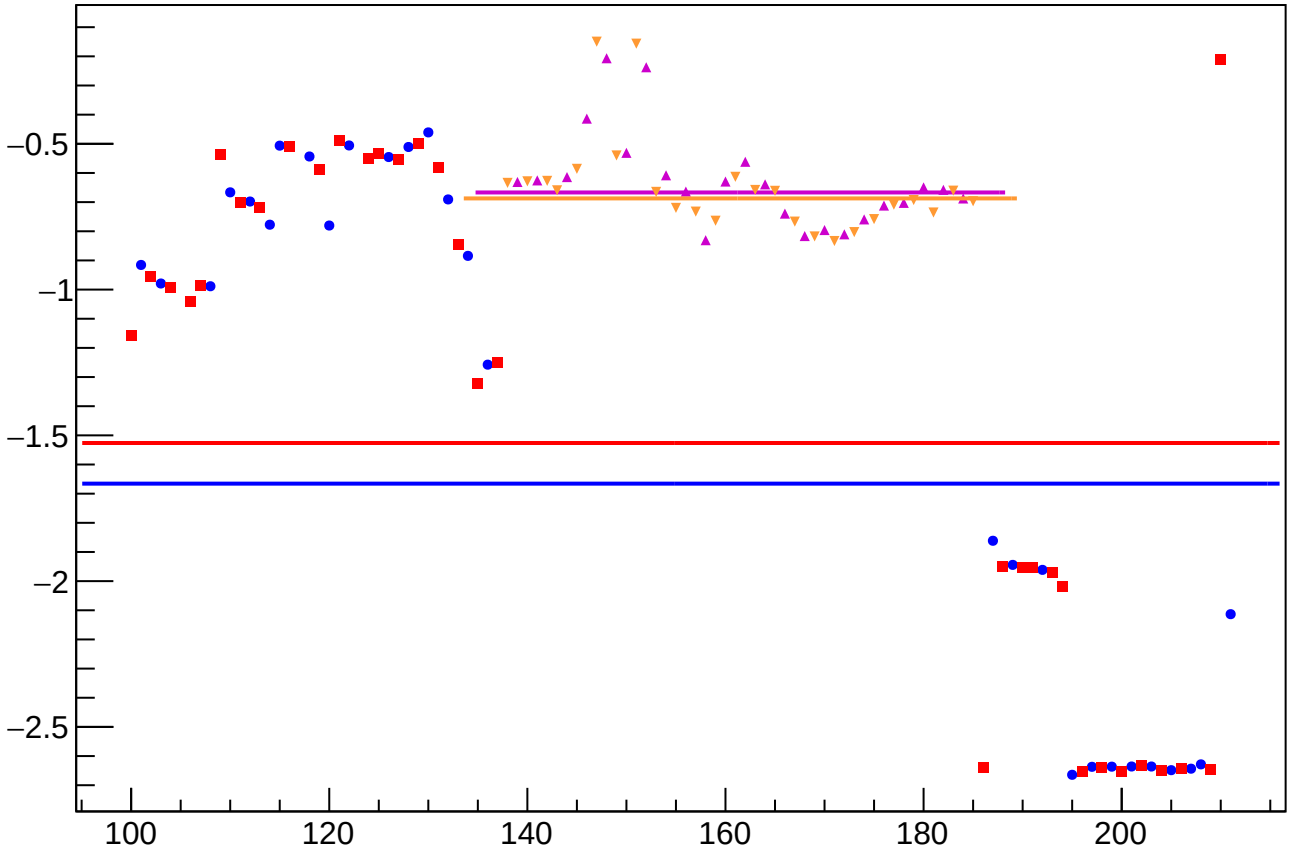
Right: 0.004+/-0.000 χ^2/NDF: 4213666.2/60

In: 0.005+/-0.000 χ^2/NDF:2456853.1/50

Out: 0.004+/-0.000 χ^2/NDF:2156189.9/57

All: 0.005+/-0.000 χ^2/NDF: 4615776.9/108

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.666+/-0.000 χ^2/NDF: 258354086451.1/27

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.526+/-0.000 χ^2/NDF: 519318387424.7/32

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

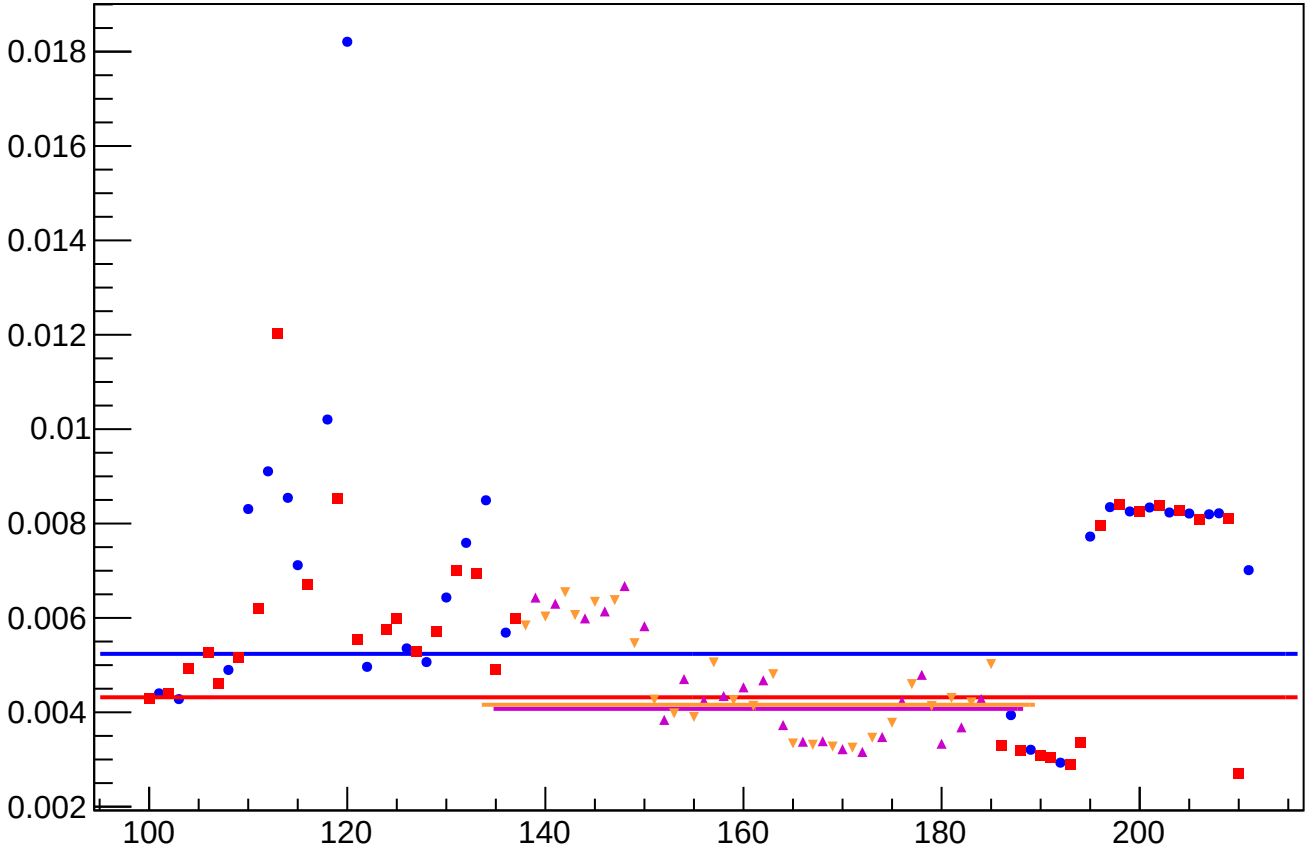
Right: -1.580+/-0.000 χ^2/NDF: 783304816759.5/60

In: -0.999+/-0.000 χ^2/NDF:596222880999.0/50

Out: -1.054+/-0.000 χ^2/NDF:838283390307.1/57

All: -1.029+/-0.000 χ^2/NDF: 1436859447850

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4481524.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5337494.8/32

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

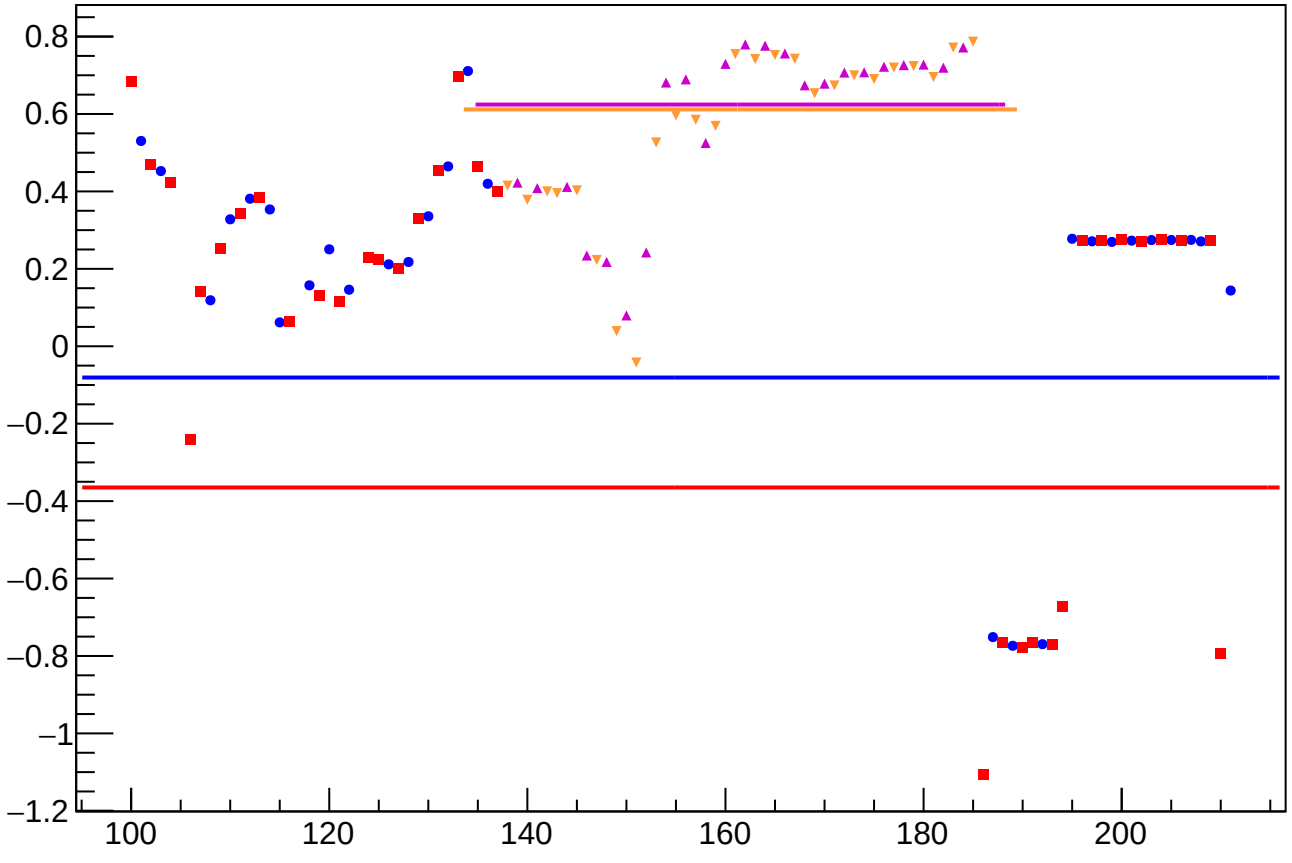
Right: 0.005+/-0.000 χ^2/NDF: 10309823.5/60

In: 0.004+/-0.000 χ^2/NDF:7090980.4/50

Out: 0.004+/-0.000 χ^2/NDF:6878534.4/57

All: 0.004+/-0.000 χ^2/NDF: 14052163.5/108

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.000 χ^2/NDF: 314877646926.5/27

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.365+/-0.000 χ^2/NDF: 533433435085.4/32

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

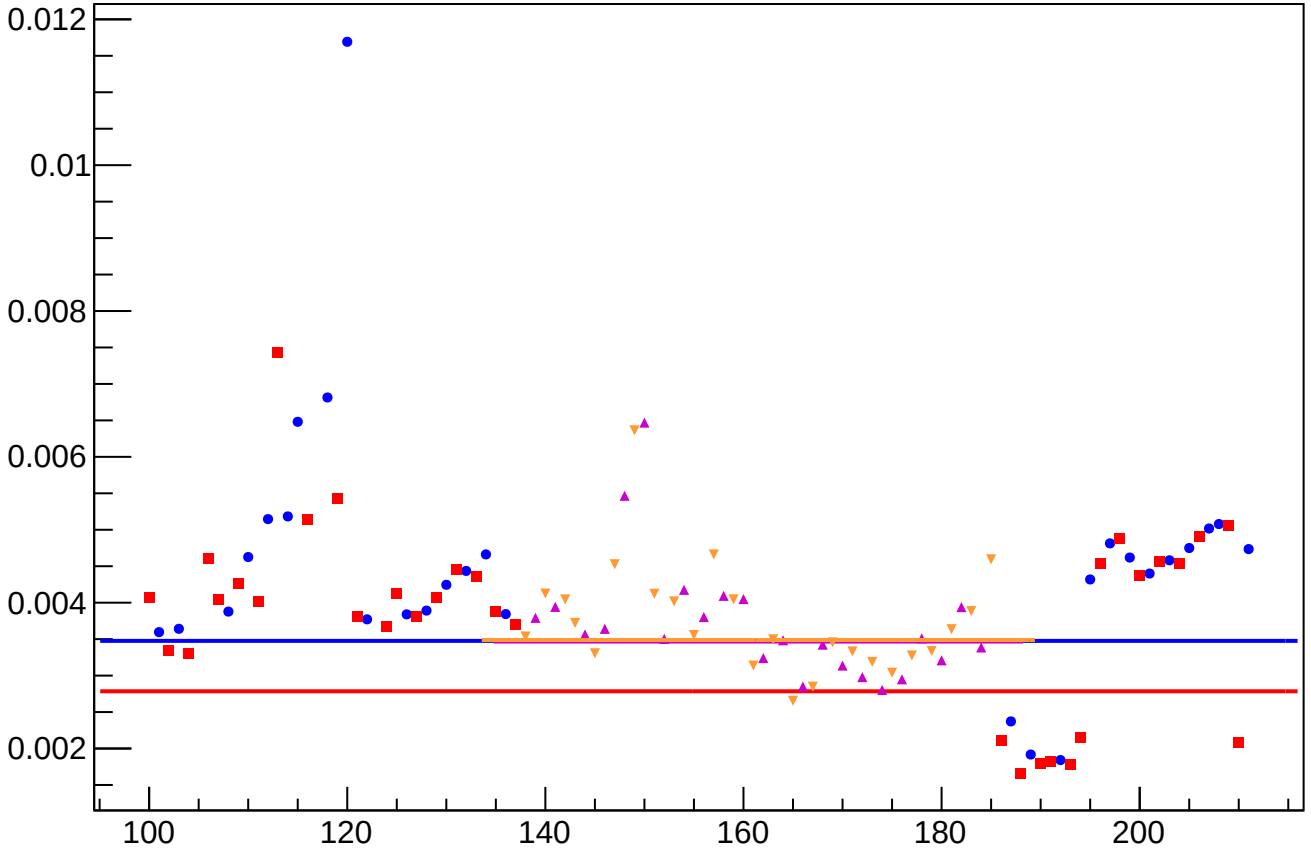
Right: -0.256+/-0.000 χ^2/NDF: 904015788471.4/60

In: 0.293+/-0.000 χ^2/NDF:650988986328.2/50

Out: 0.048+/-0.000 χ^2/NDF:1304719012921.9/57

All: 0.155+/-0.000 χ^2/NDF: 2036777638820.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3859756.7/27

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5404468.8/32

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

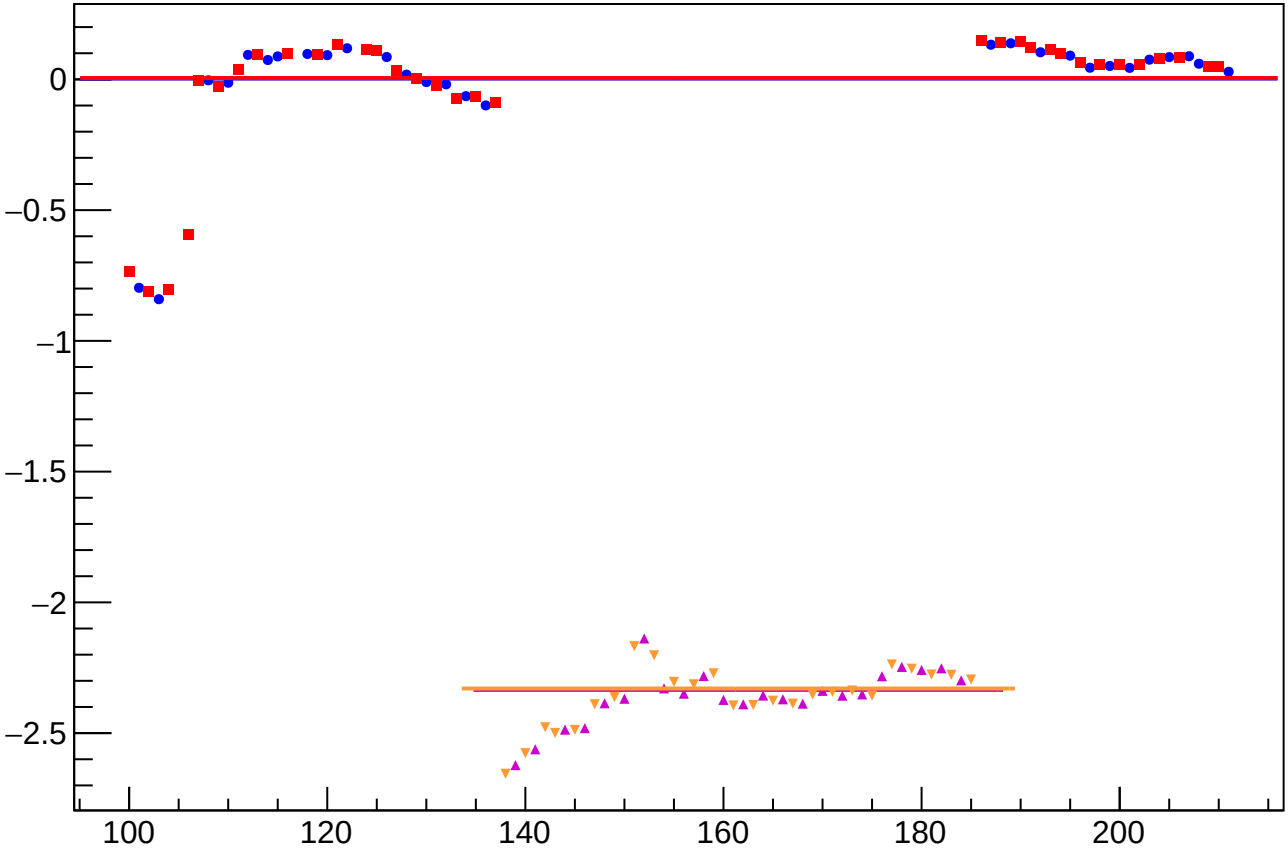
Right: 0.003+/-0.000 χ^2/NDF: 9924411.0/60

In: 0.003+/-0.000 χ^2/NDF:4753984.6/50

Out: 0.003+/-0.000 χ^2/NDF:7007536.9/57

All: 0.003+/-0.000 χ^2/NDF: 12170469.6/108

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6552083288.2/27

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7826124845.4/32

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

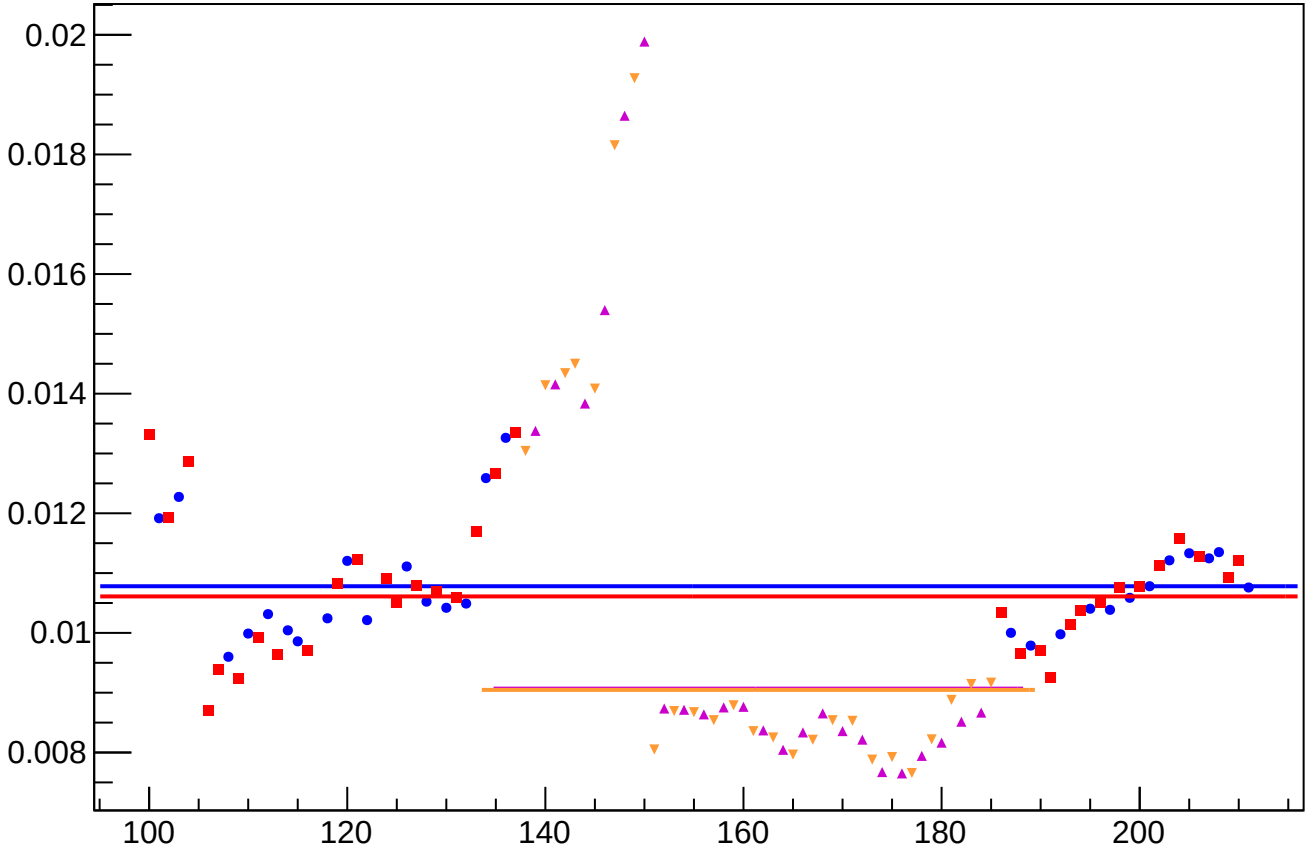
Right: 0.004+/-0.000 χ^2/NDF: 14378424774.9/60

In: -1.390+/-0.000 χ^2/NDF:468824106520.2/50

Out: -1.356+/-0.000 χ^2/NDF:514603332738.0/57

All: -1.373+/-0.000 χ^2/NDF: 983642914366.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 184037.4/27

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 260641.9/32

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

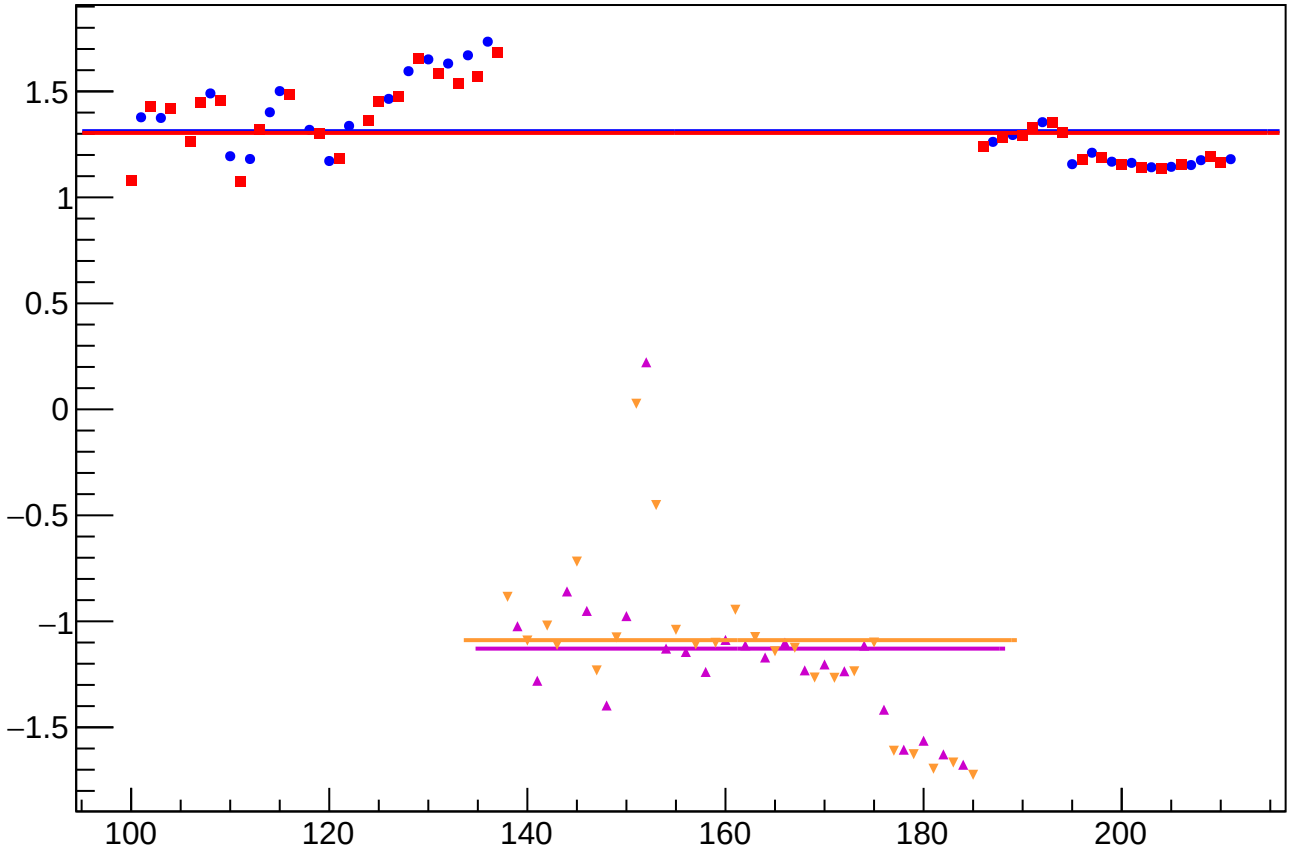
Right: 0.011+/-0.000 χ^2/NDF: 449014.1/60

In: 0.010+/-0.000 χ^2/NDF:2812219.9/50

Out: 0.010+/-0.000 χ^2/NDF:2761956.0/57

All: 0.010+/-0.000 χ^2/NDF: 5575529.4/108

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.312+/-0.000 χ^2/NDF: 8610994253.6/27

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.304+/-0.000 χ^2/NDF: 6754186846.5/32

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

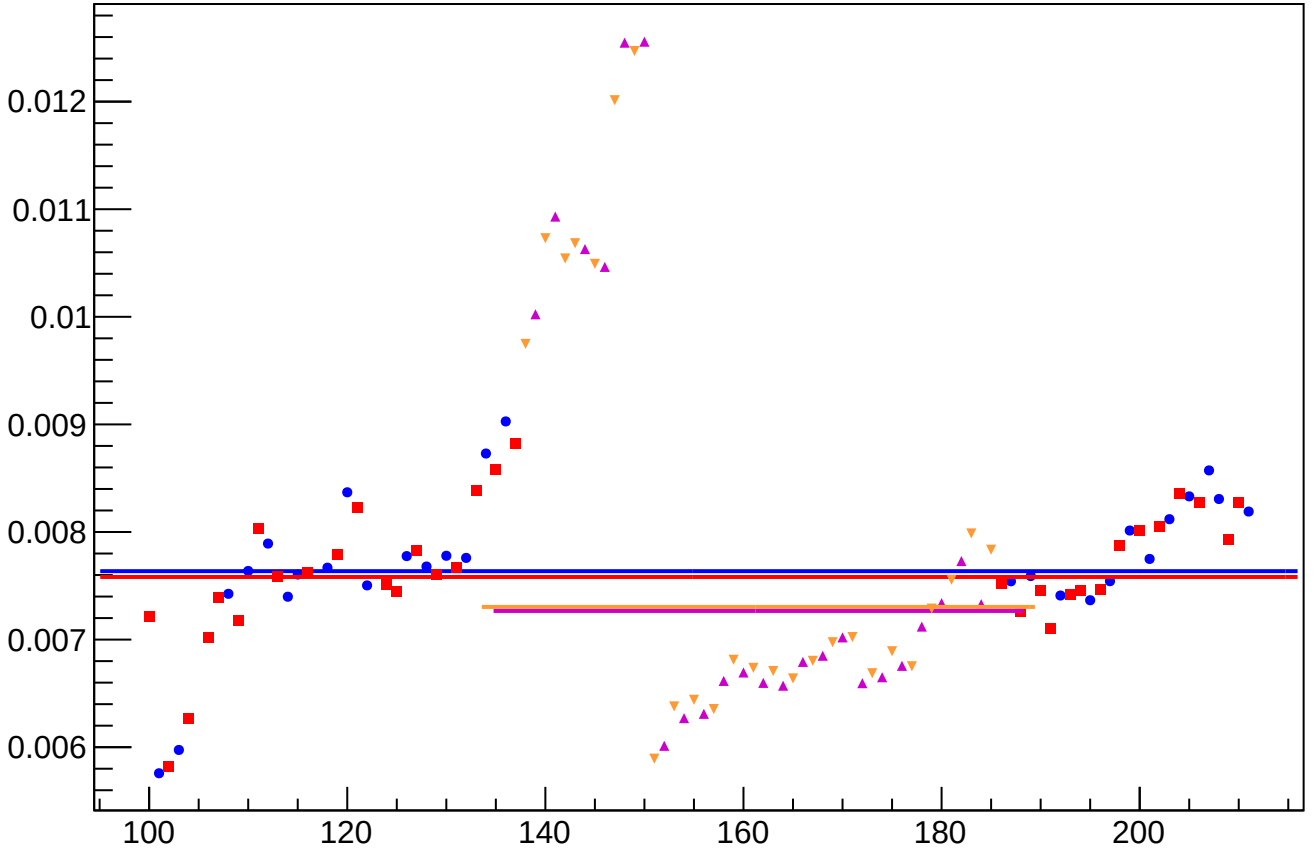
Right: 1.308+/-0.000 χ^2/NDF: 15375231570.1/60

In: -0.009+/-0.000 χ^2/NDF:971592939822.2/50

Out: 0.044+/-0.000 χ^2/NDF:1006758915719.3/57

All: 0.018+/-0.000 χ^2/NDF: 1979248775209.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 358601.2/27

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 276873.1/32

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

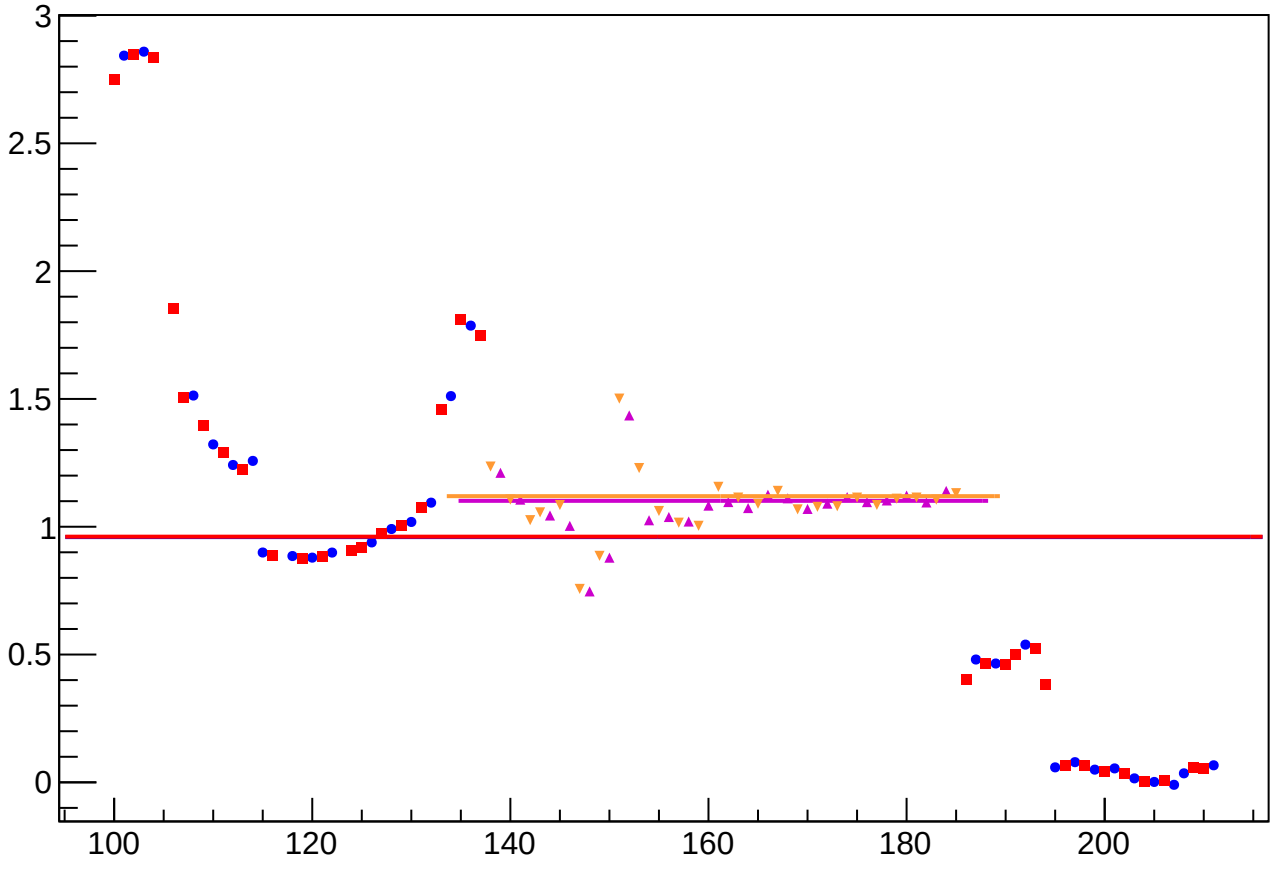
Right: 0.008+/-0.000 χ^2/NDF: 636329.8/60

In: 0.007+/-0.000 χ^2/NDF:1960149.0/50

Out: 0.007+/-0.000 χ^2/NDF:1806410.2/57

All: 0.007+/-0.000 χ^2/NDF: 3766559.4/108

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.959+/-0.000 χ^2/NDF: 143898501026.5/27

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.961+/-0.000 χ^2/NDF: 142507533842.3/32

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

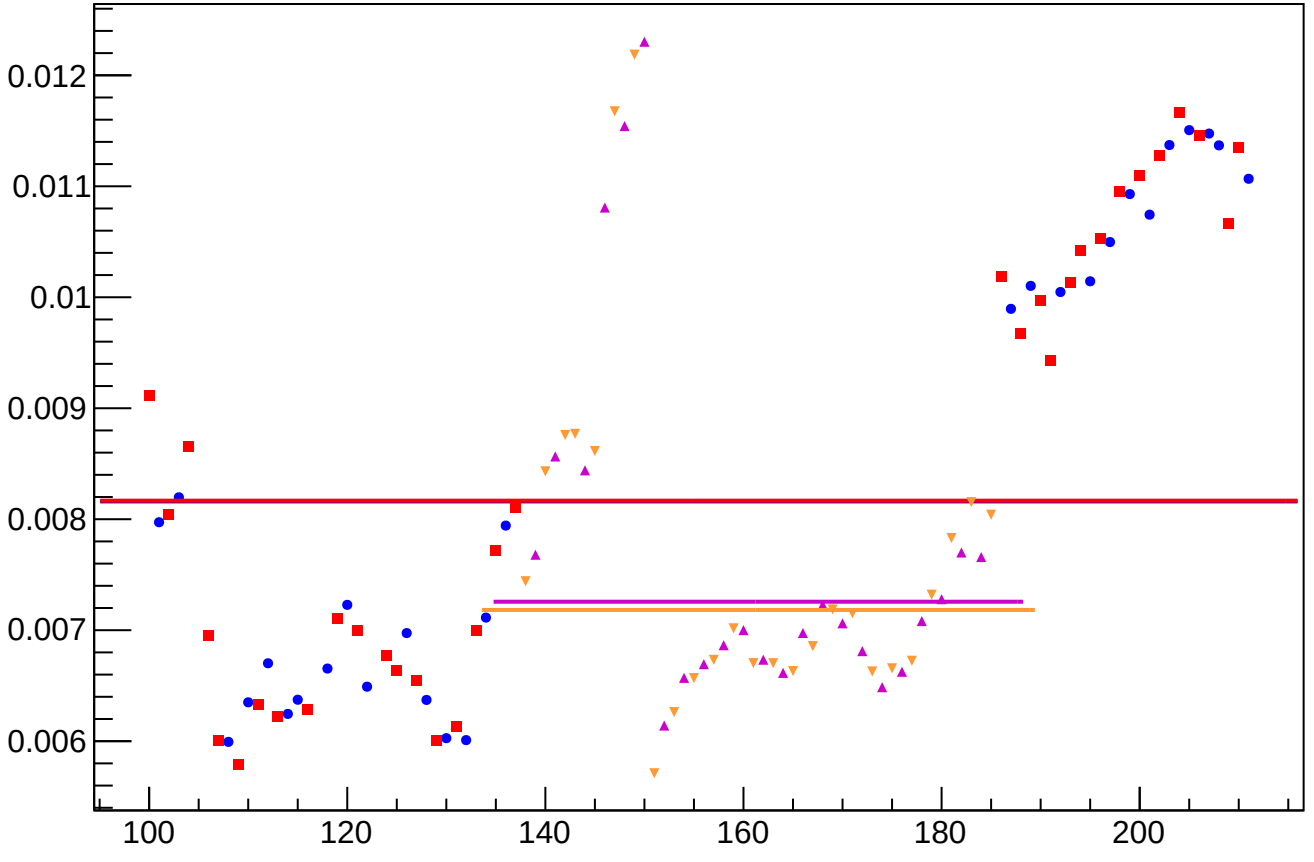
Right: 0.960+/-0.000 χ^2/NDF: 286406372233.8/60

In: 1.043+/-0.000 χ^2/NDF:150864169868.7/50

Out: 1.054+/-0.000 χ^2/NDF:151758913469.6/57

All: 1.048+/-0.000 χ^2/NDF: 302658683726.0

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1891041.6/27

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2105112.8/32

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

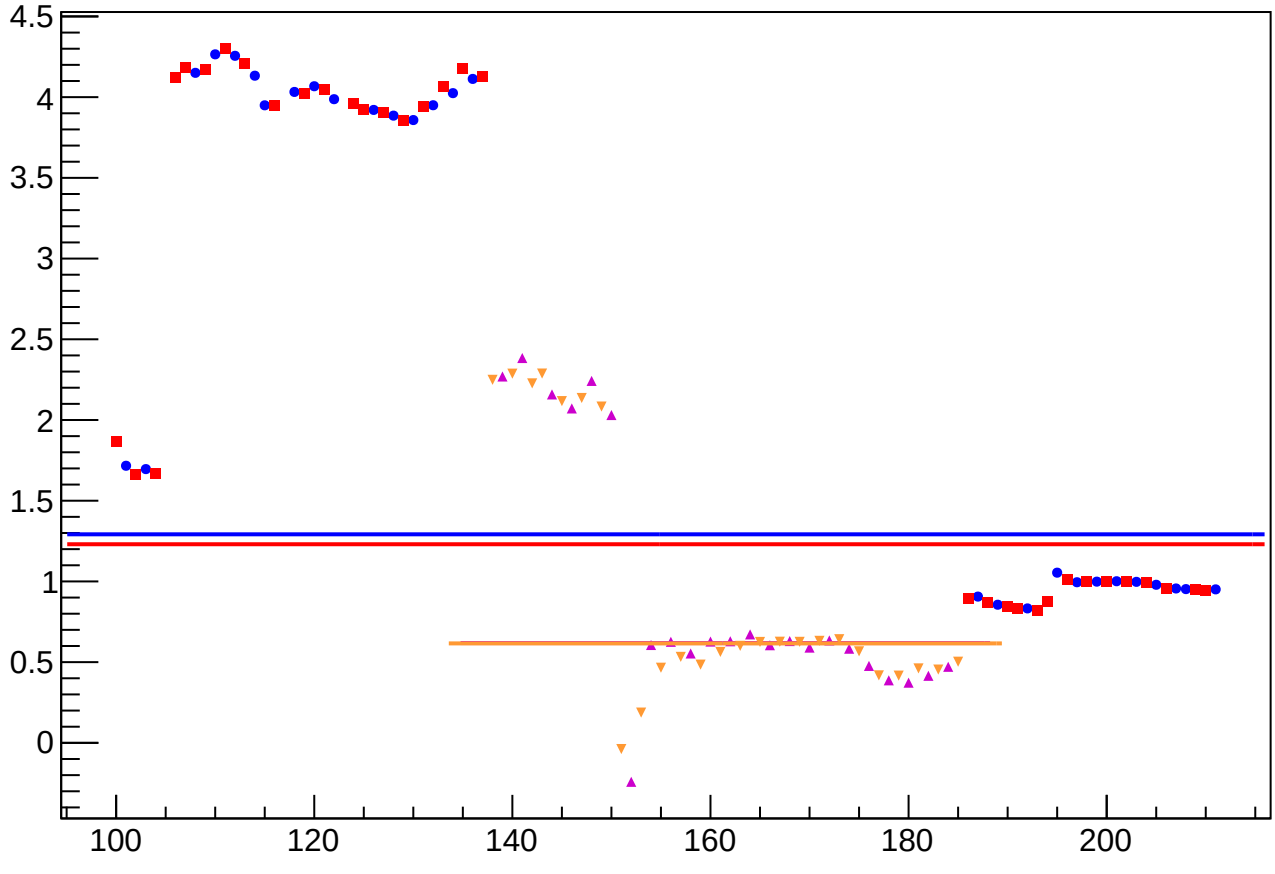
Right: 0.008+/-0.000 χ^2/NDF: 3996165.0/60

In: 0.008+/-0.000 χ^2/NDF:3032147.8/50

Out: 0.008+/-0.000 χ^2/NDF:3287287.9/57

All: 0.008+/-0.000 χ^2/NDF: 6320290.7/108

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.292+/-0.000 χ^2/NDF: 1604327159033.9/27

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.230+/-0.000 χ^2/NDF: 1780882076884.7/32

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

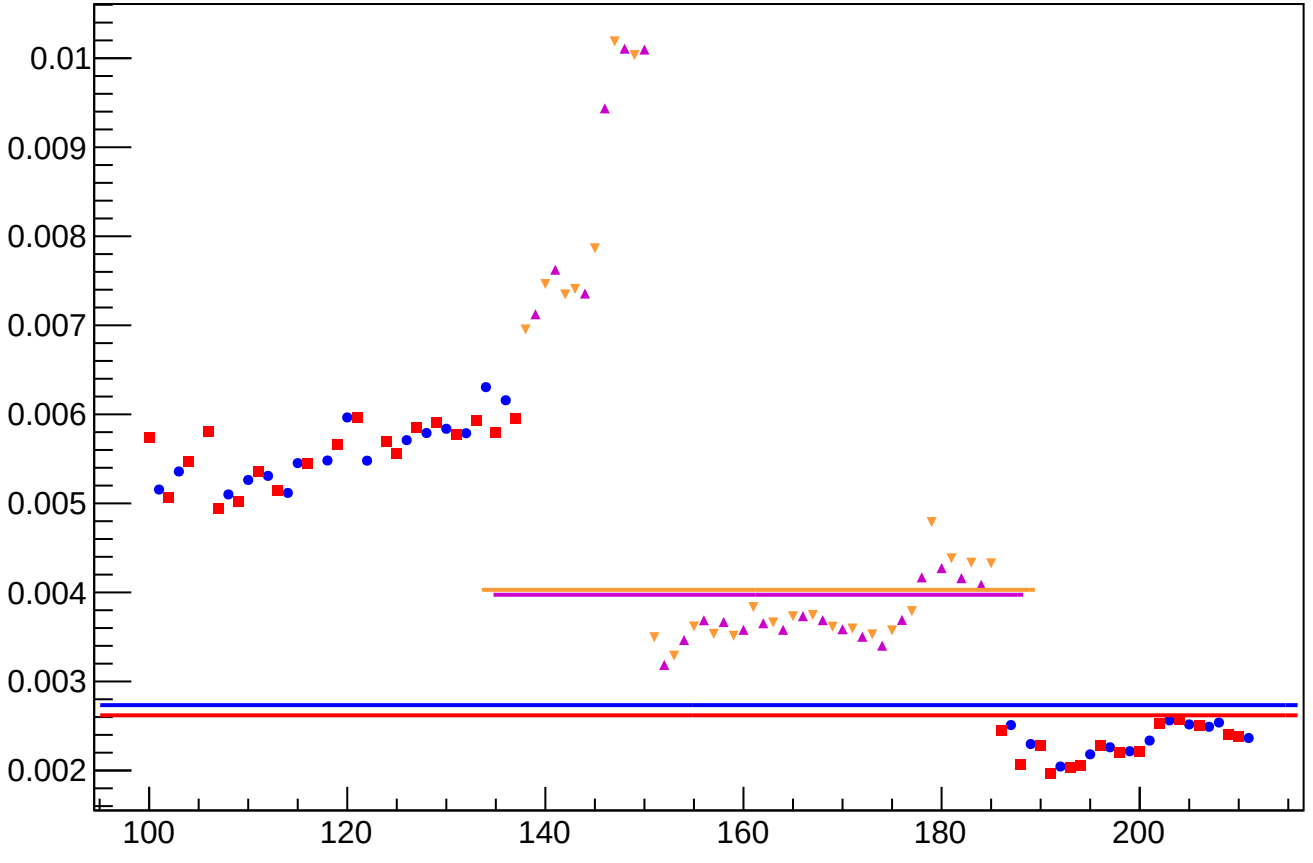
Right: 1.258+/-0.000 χ^2/NDF: 3388966388570.0/60

In: 1.050+/-0.000 χ^2/NDF:2157033938389.6/50

Out: 1.029+/-0.000 χ^2/NDF:2301052562340.7/57

All: 1.039+/-0.000 χ^2/NDF: 4458710033340.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4406902.9/27

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4709954.7/32

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

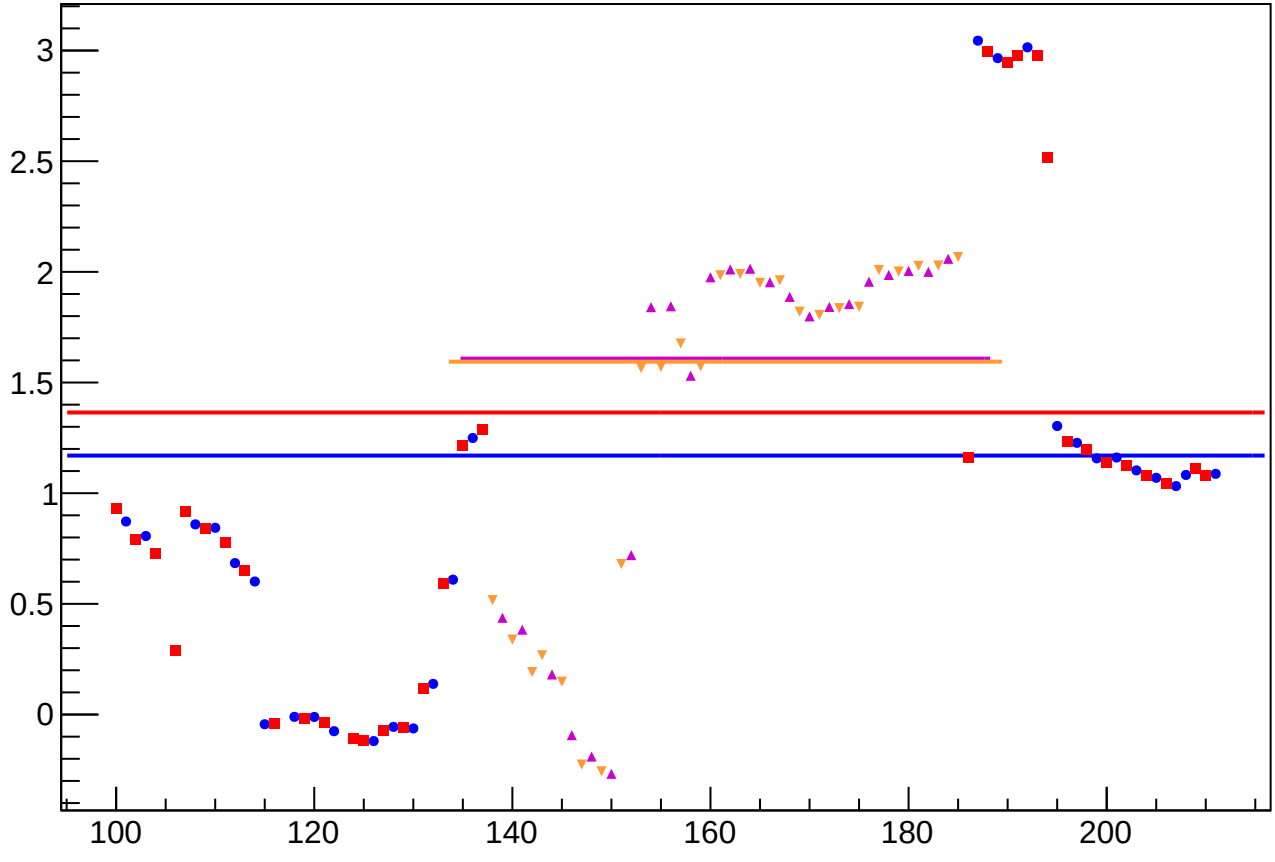
Right: 0.003+/-0.000 χ^2/NDF: 9142708.9/60

In: 0.003+/-0.000 χ^2/NDF:9551193.8/50

Out: 0.003+/-0.000 χ^2/NDF:10498394.6/57

All: 0.003+/-0.000 χ^2/NDF: 20079194.4/108

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.170+/-0.000 χ^2/NDF: 77789105463.3/27

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.365+/-0.000 χ^2/NDF: 106466991385.2/32

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

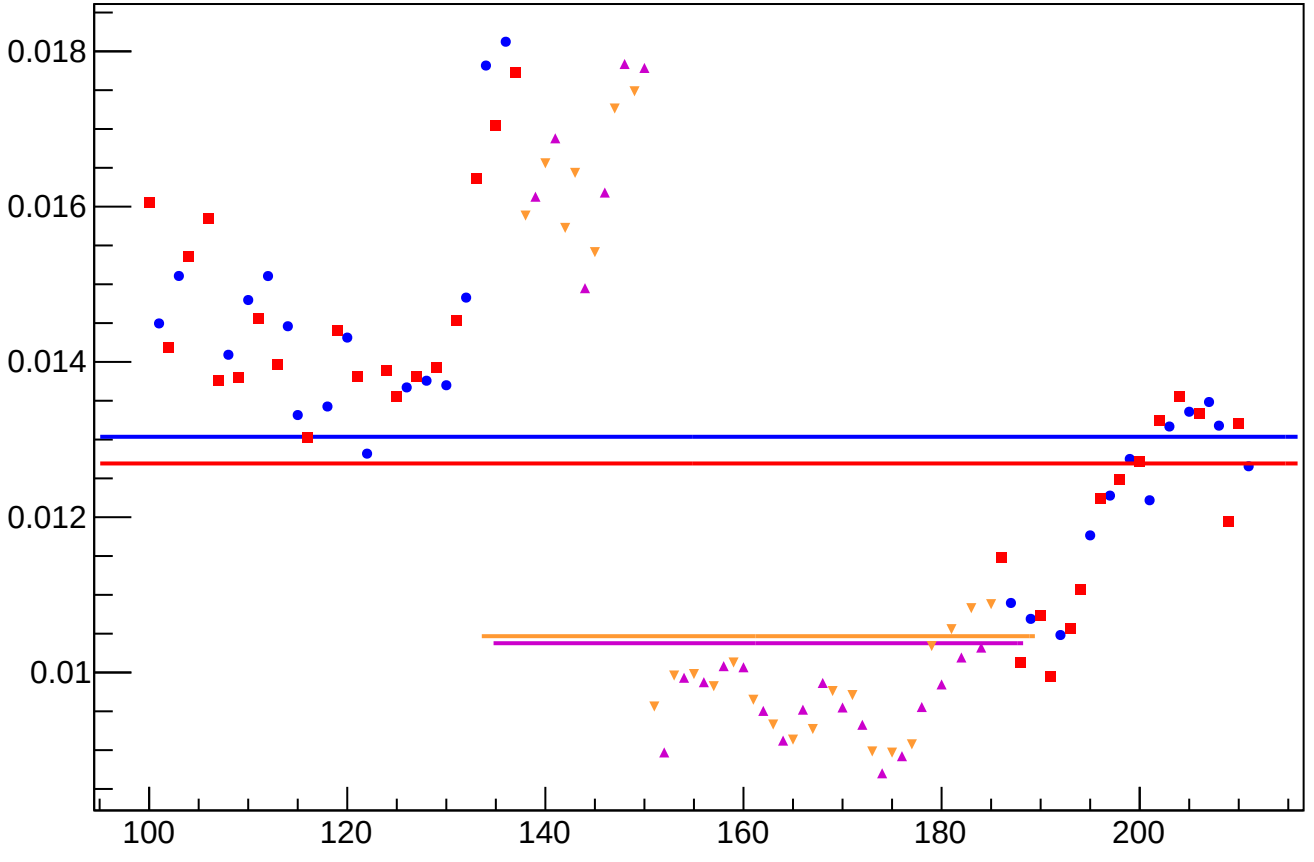
Right: 1.274+/-0.000 χ^2/NDF: 186177661850.3/60

In: 1.445+/-0.000 χ^2/NDF:155661255066.8/50

Out: 1.504+/-0.000 χ^2/NDF:172569454255.7/57

All: 1.475+/-0.000 χ^2/NDF: 328686390281.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 506649.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 614858.5/32

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

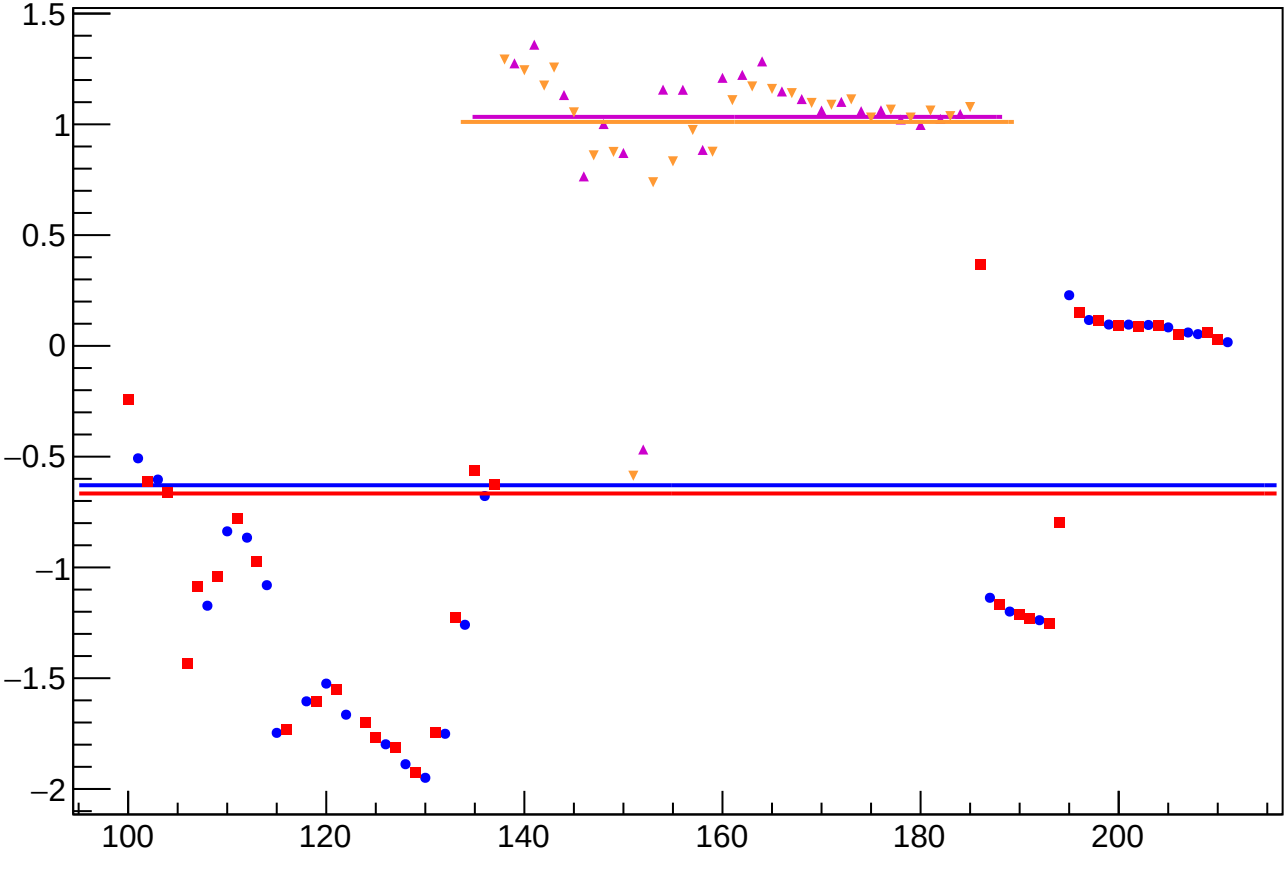
Right: 0.013+/-0.000 χ^2/NDF: 1133500.0/60

In: 0.011+/-0.000 χ^2/NDF:3062327.2/50

Out: 0.011+/-0.000 χ^2/NDF:2927495.9/57

All: 0.011+/-0.000 χ^2/NDF: 5989944.1/108

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.629+/-0.000 χ^2/NDF: 196643027964.0/27

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.666+/-0.000 χ^2/NDF: 188194053036.7/32

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

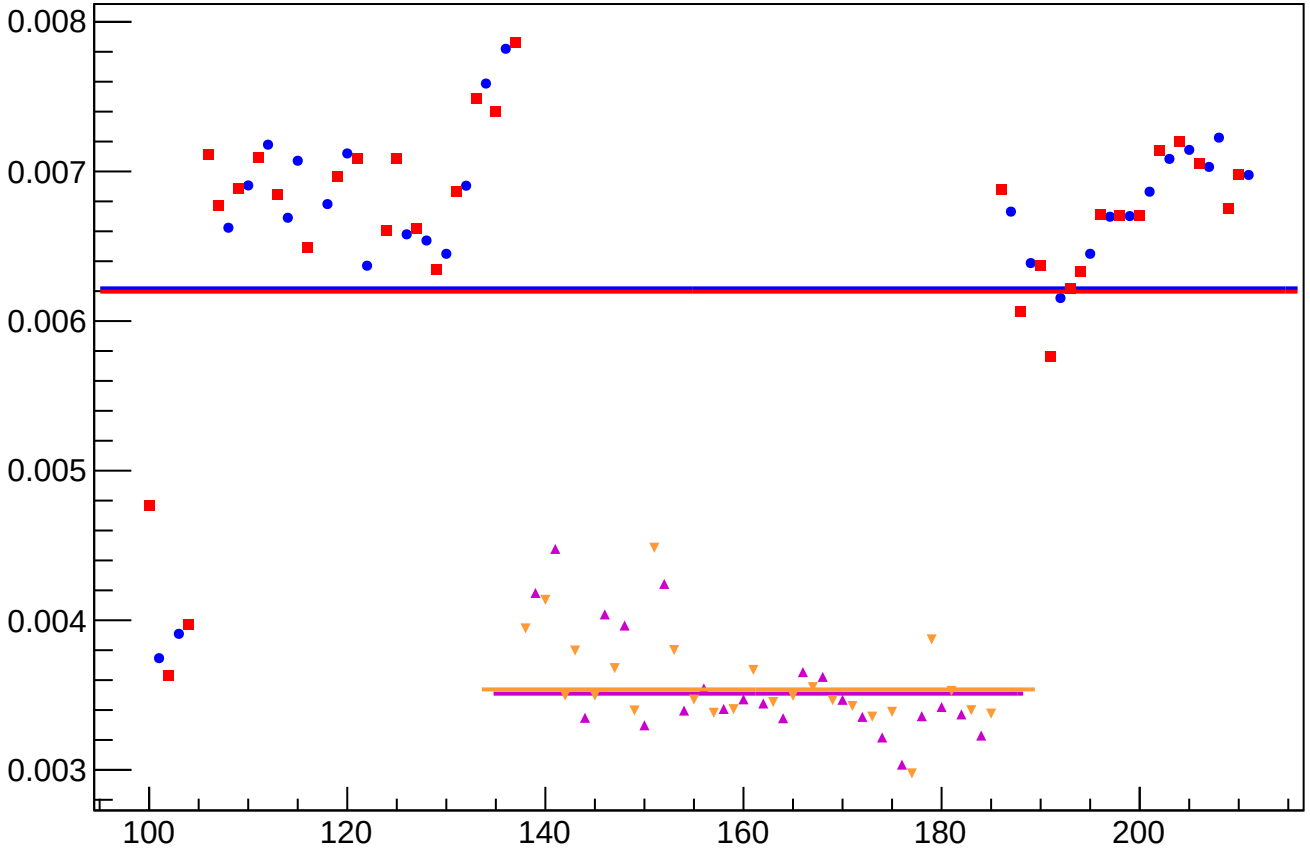
Right: -0.649+/-0.000 χ^2/NDF: 385122424372.0/60

In: 0.657+/-0.000 χ^2/NDF:1164646938494.4/50

Out: 0.616+/-0.000 χ^2/NDF:1228949359690.9/57

All: 0.636+/-0.000 χ^2/NDF: 2395064670847.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1223461.6/27

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1250251.3/32

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

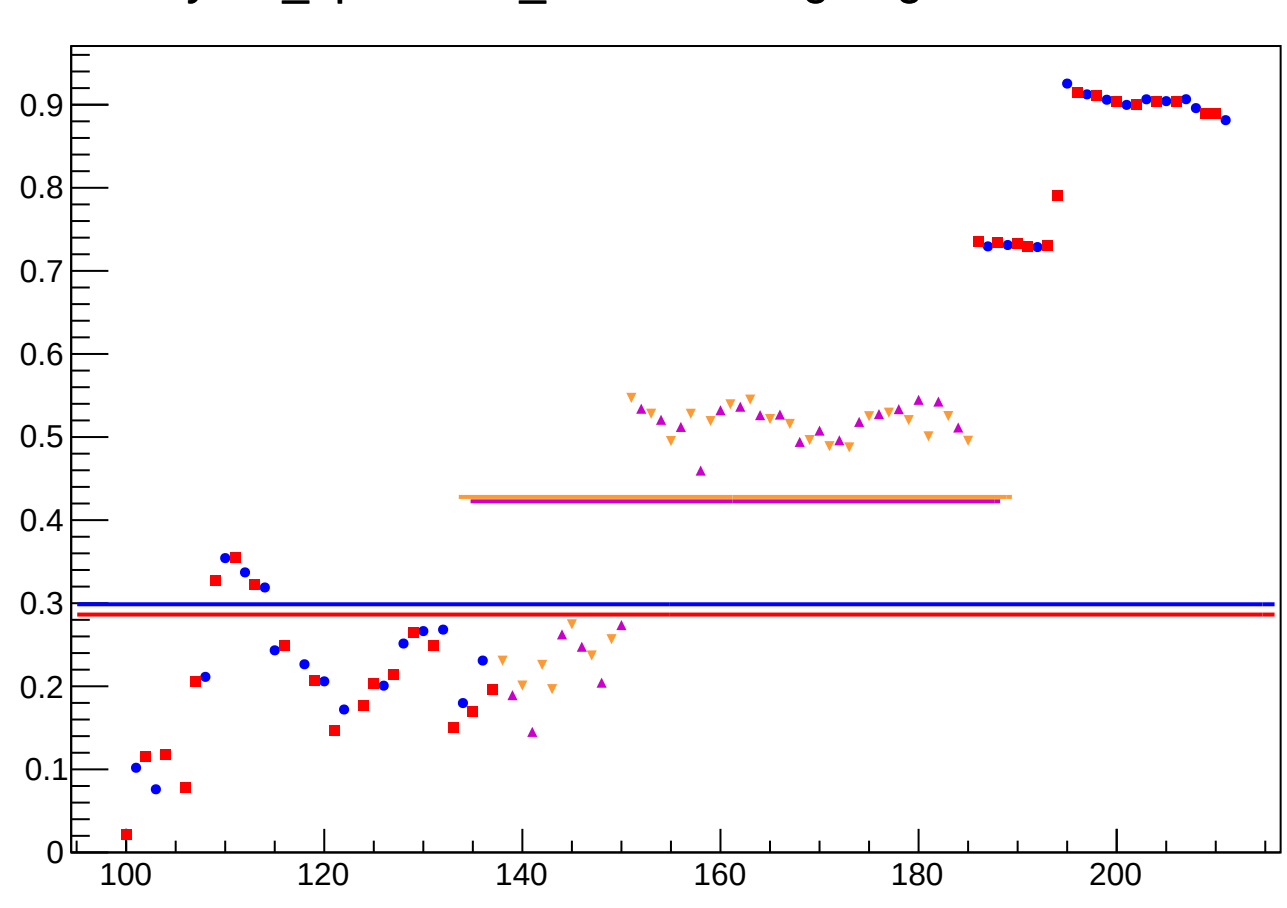
Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

Right: 0.006+/-0.000 χ^2/NDF: 2473911.4/60

In: 0.004+/-0.000 χ^2/NDF:5982217.3/50

Out: 0.004+/-0.000 χ^2/NDF:6138405.5/57

All: 0.004+/-0.000 χ^2/NDF: 12123472.3/108



Right In: 0.299+/-0.000 χ^2/NDF: 199531159941.1/27

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.286+/-0.000 χ^2/NDF: 223283413567.9/32

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

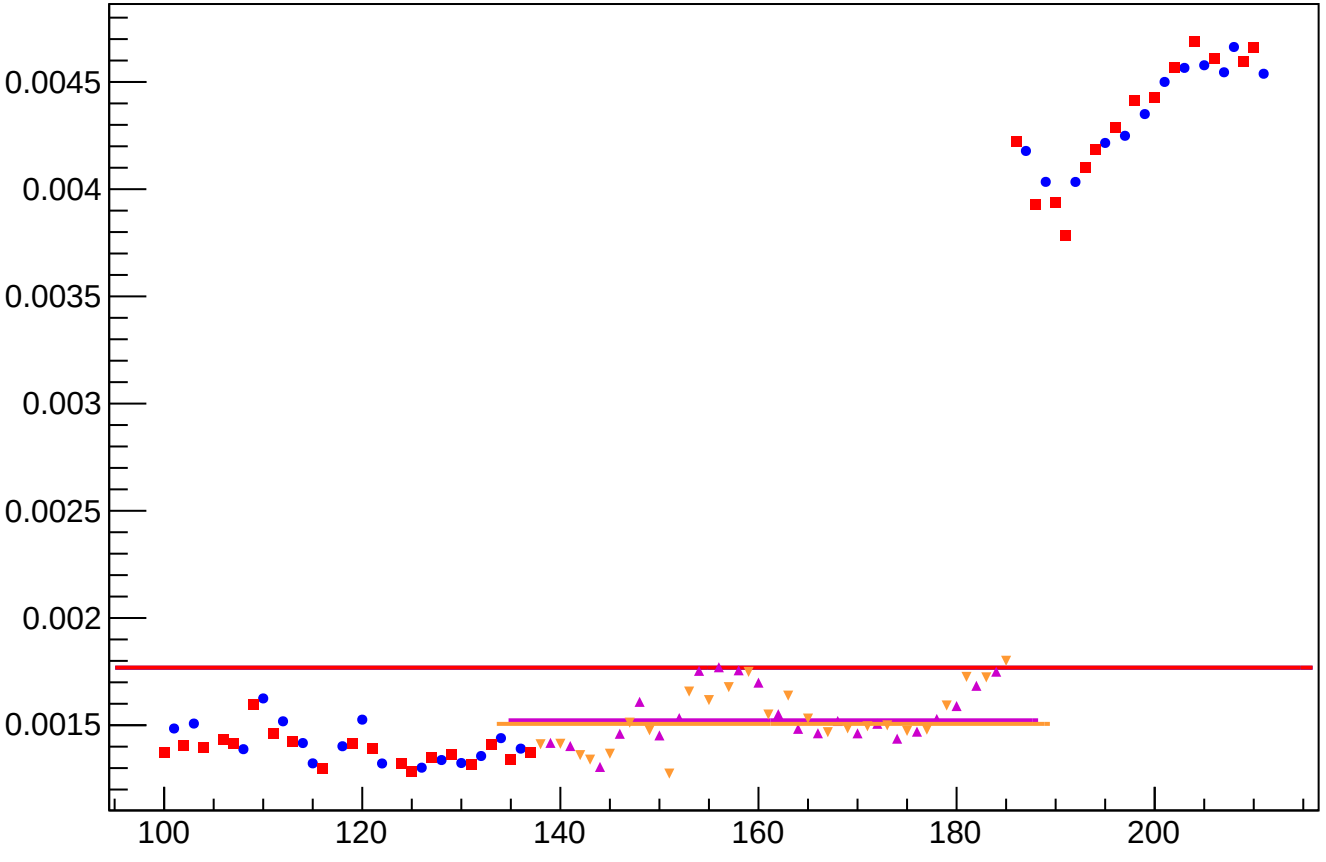
Right: 0.292+/-0.000 χ^2/NDF: 423132675117.0/60

In: 0.380+/-0.000 χ^2/NDF:398152982379.7/50

Out: 0.380+/-0.000 χ^2/NDF:434584648932.1/57

All: 0.380+/-0.000 χ^2/NDF: 832742388934.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7620899.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8580889.2/32

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

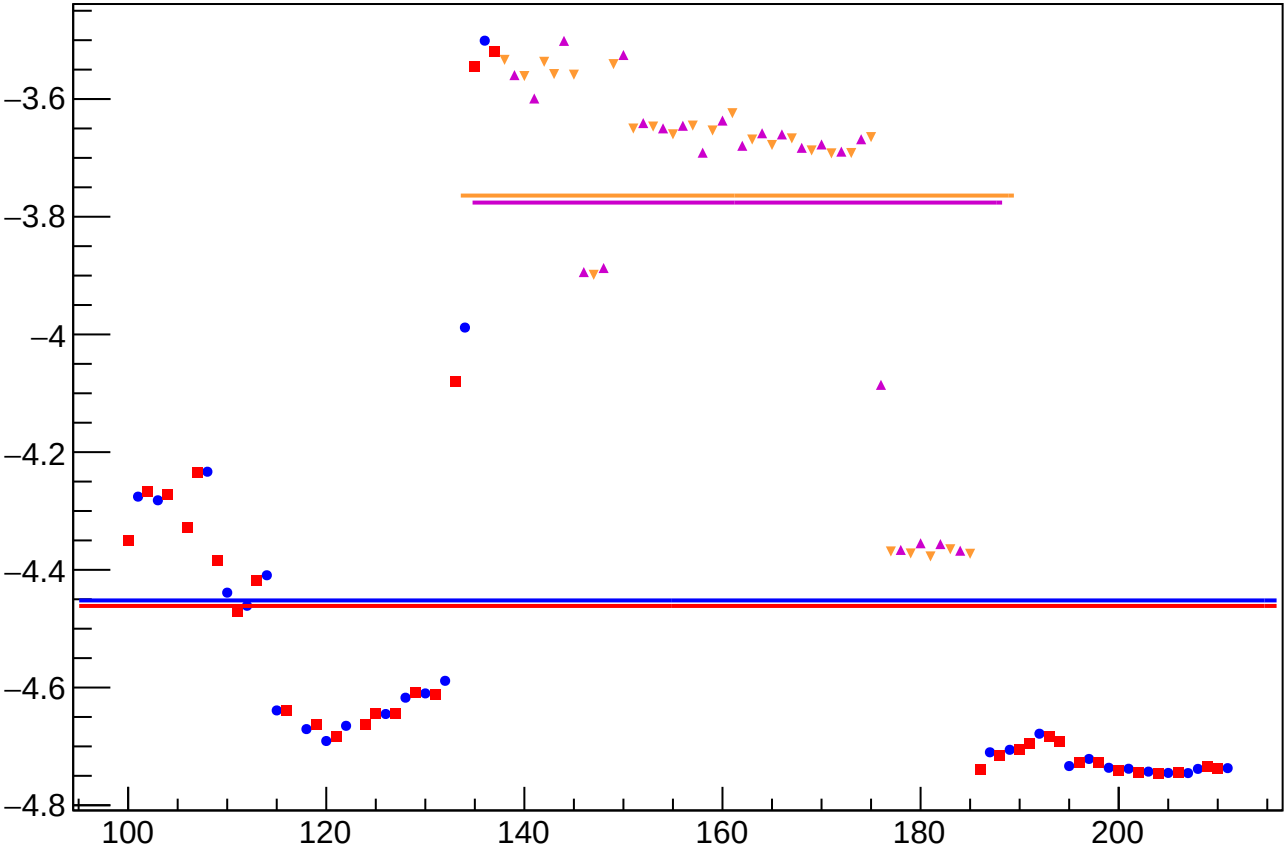
Right: 0.002+/-0.000 χ^2/NDF: 16201790.4/60

In: 0.002+/-0.000 χ^2/NDF:8172430.9/50

Out: 0.002+/-0.000 χ^2/NDF:9254799.4/57

All: 0.002+/-0.000 χ^2/NDF: 17428563.3/108

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.452+/-0.000 χ^2/NDF: 434380233745.8/27

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.461+/-0.000 χ^2/NDF: 385653474454.6/32

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

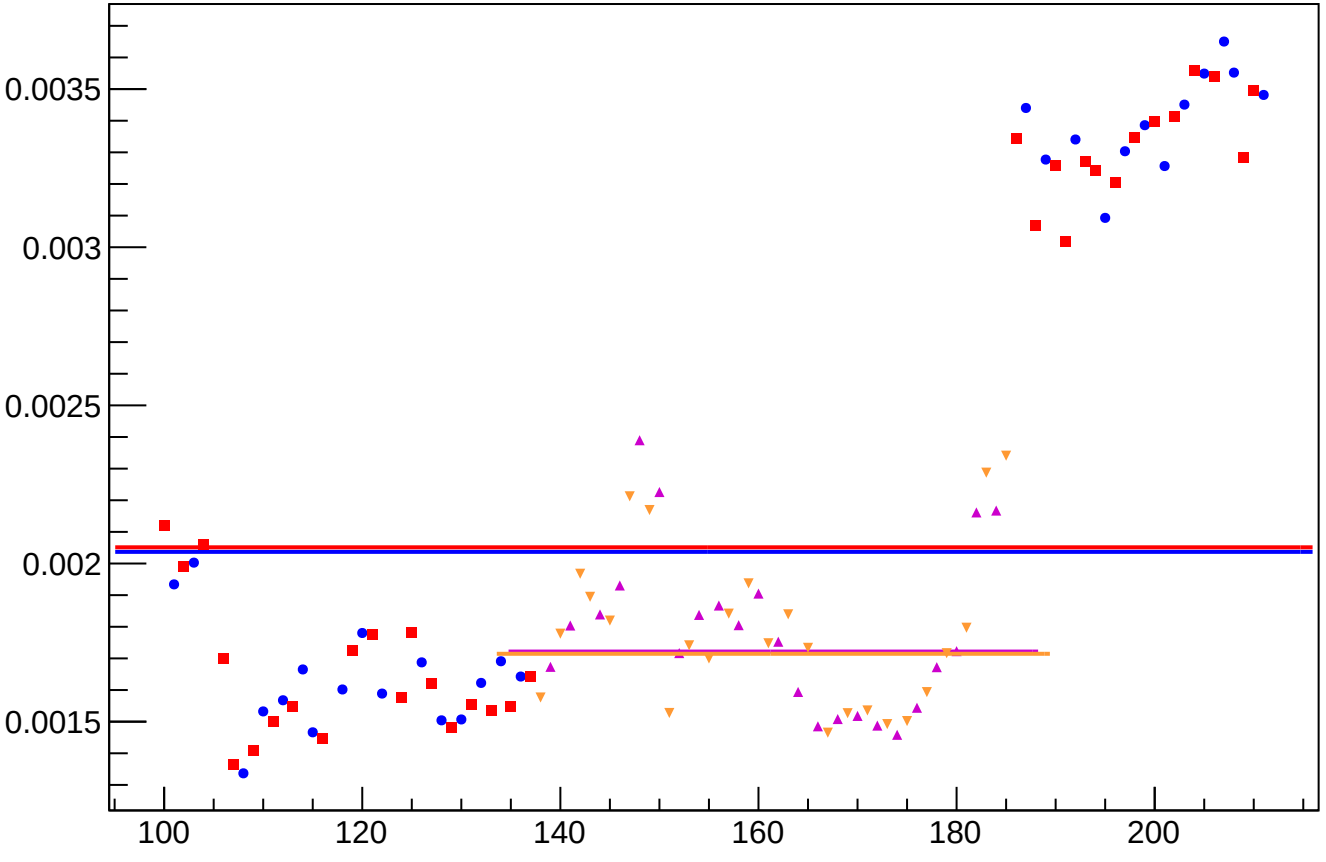
Right: -4.457+/-0.000 χ^2/NDF: 820190050421.3/60

In: -4.024+/-0.000 χ^2/NDF:1829448182710.8/50

Out: -4.022+/-0.000 χ^2/NDF:2003238827832.7/57

All: -4.023+/-0.000 χ^2/NDF: 3832701885192

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4031343.7/27

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4390517.0/32

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

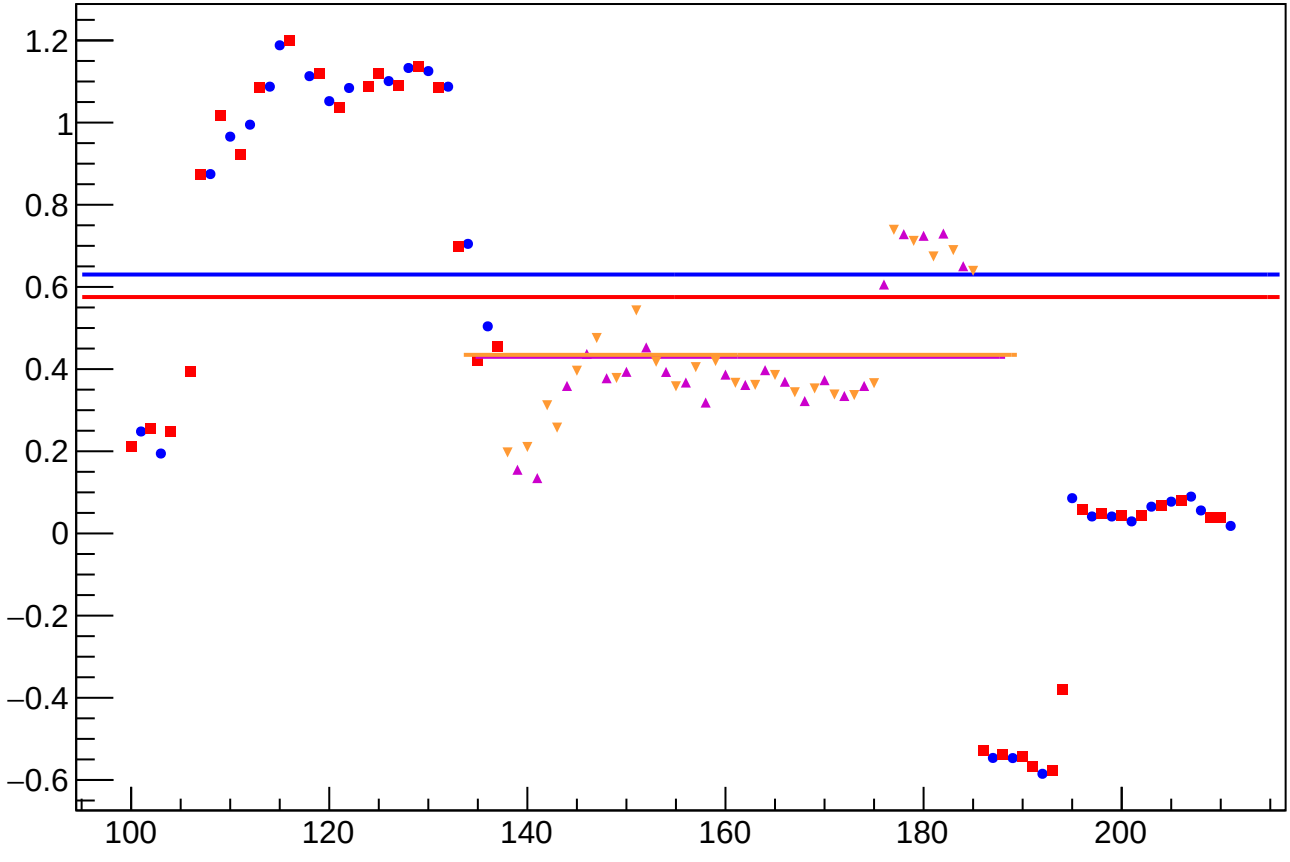
Right: 0.002+/-0.000 χ^2/NDF: 8422598.9/60

In: 0.002+/-0.000 χ^2/NDF:5044780.7/50

Out: 0.002+/-0.000 χ^2/NDF:5481584.1/57

All: 0.002+/-0.000 χ^2/NDF: 10526401.9/108

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.630+/-0.000 χ^2/NDF: 70258086756.3/27

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.575+/-0.000 χ^2/NDF: 90372428095.3/32

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

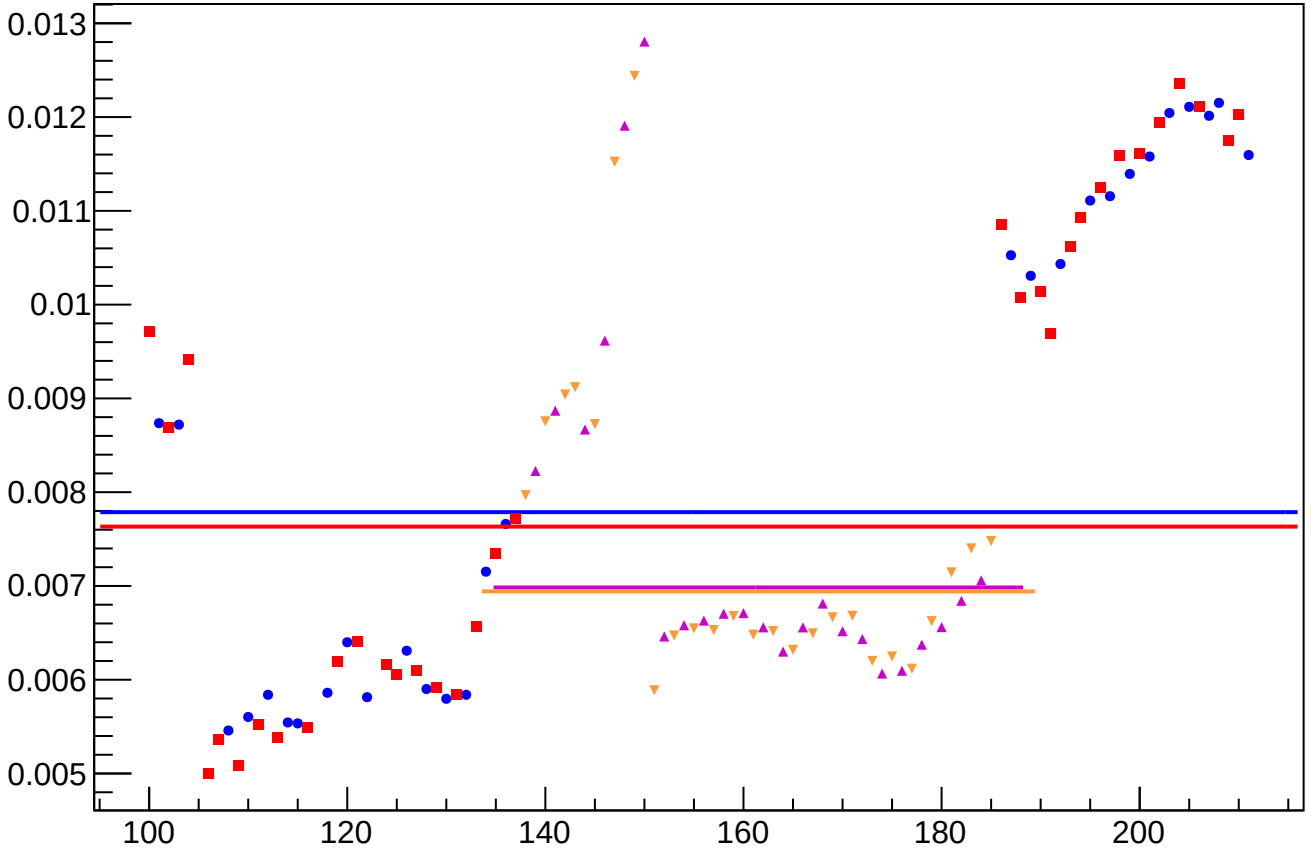
Right: 0.601+/-0.000 χ^2/NDF: 161024230017.9/60

In: 0.511+/-0.000 χ^2/NDF:85199597978.4/50

Out: 0.493+/-0.000 χ^2/NDF:102092327357.2/57

All: 0.502+/-0.000 χ^2/NDF: 187392128573.5

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3013902.1/27

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3646765.2/32

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

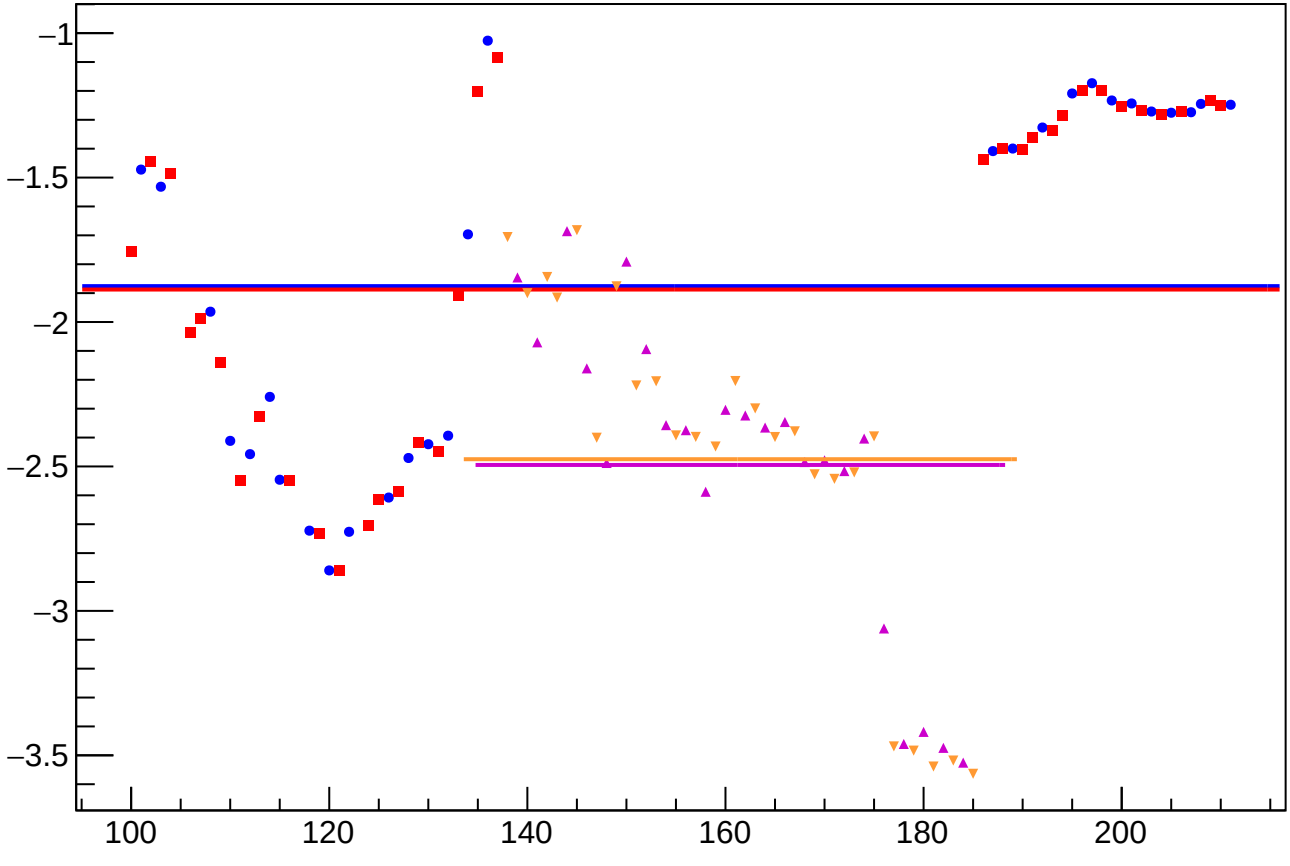
Right: 0.008+/-0.000 χ^2/NDF: 6666876.8/60

In: 0.007+/-0.000 χ^2/NDF:4340199.4/50

Out: 0.007+/-0.000 χ^2/NDF:4892538.3/57

All: 0.007+/-0.000 χ^2/NDF: 9236751.1/108

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.876+/-0.000 χ^2/NDF: 114047003153.4/27

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.888+/-0.000 χ^2/NDF: 112996641729.9/32

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

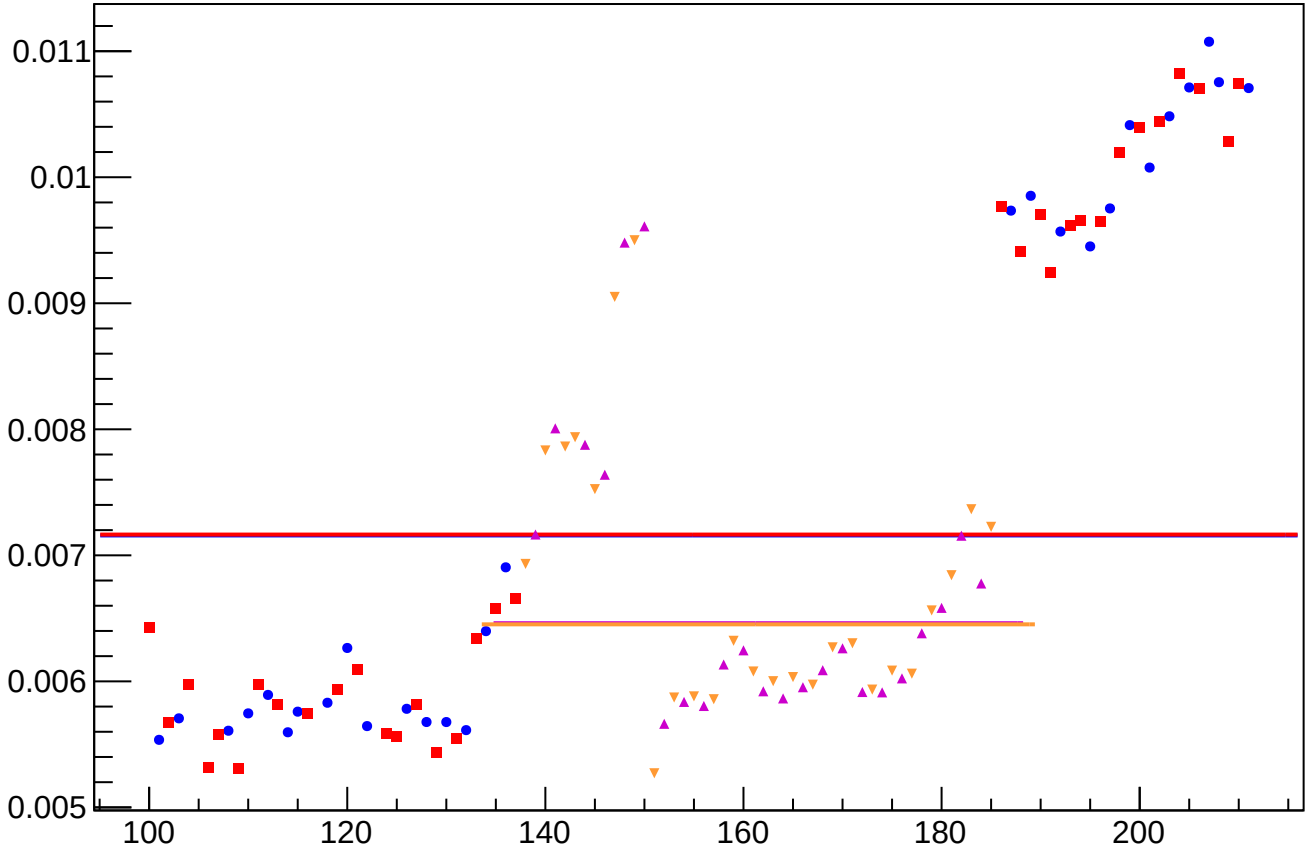
Right: -1.882+/-0.000 χ^2/NDF: 227065344053.3/60

In: -2.241+/-0.000 χ^2/NDF:278375109747.8/50

Out: -2.230+/-0.000 χ^2/NDF:301447717020.8/57

All: -2.235+/-0.000 χ^2/NDF: 579867532940.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2480700.1/27

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2704457.8/32

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

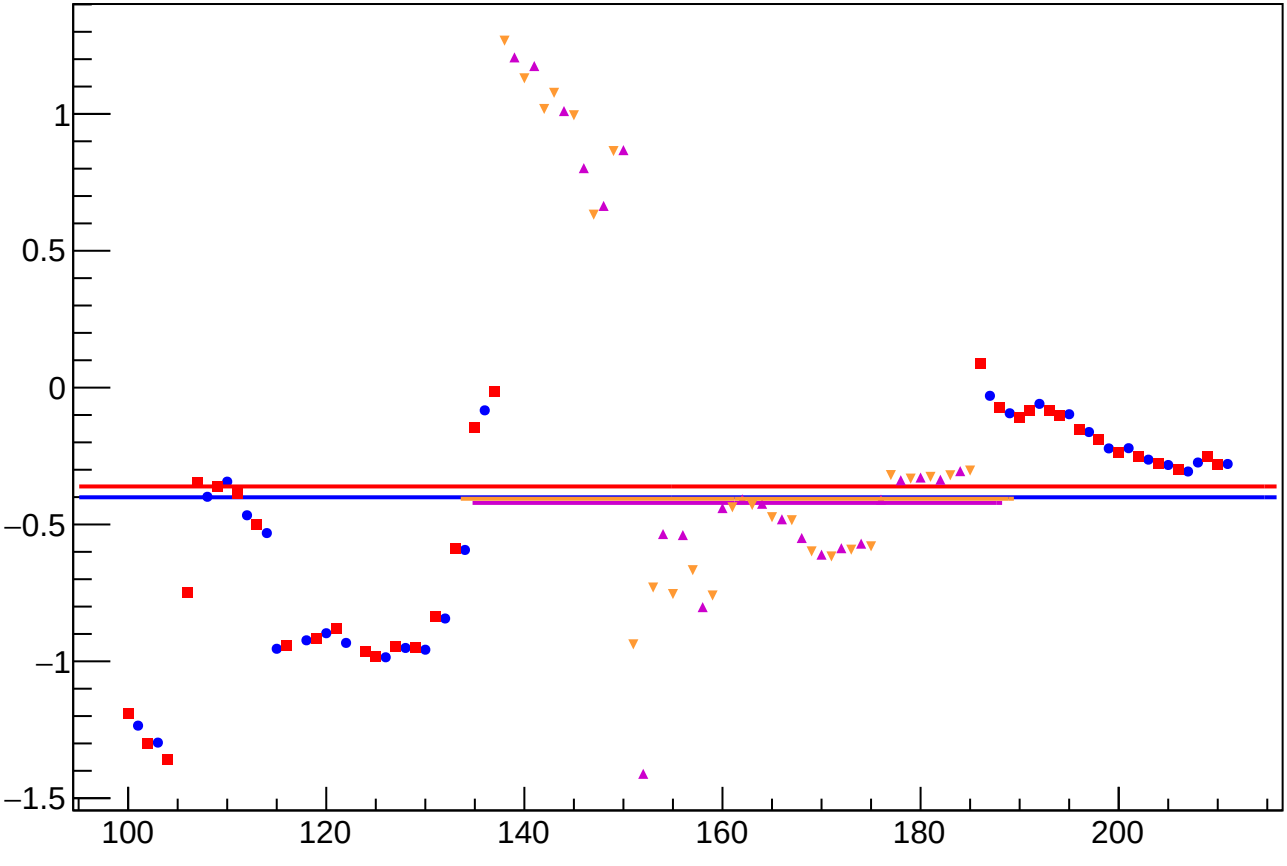
Right: 0.007+/-0.000 χ^2/NDF: 5185172.3/60

In: 0.007+/-0.000 χ^2/NDF:3372366.0/50

Out: 0.007+/-0.000 χ^2/NDF:3610324.3/57

All: 0.007+/-0.000 χ^2/NDF: 6982694.5/108

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.401+/-0.000 χ^2/NDF: 24387749326.8/27

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.361+/-0.000 χ^2/NDF: 27276099262.0/32

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

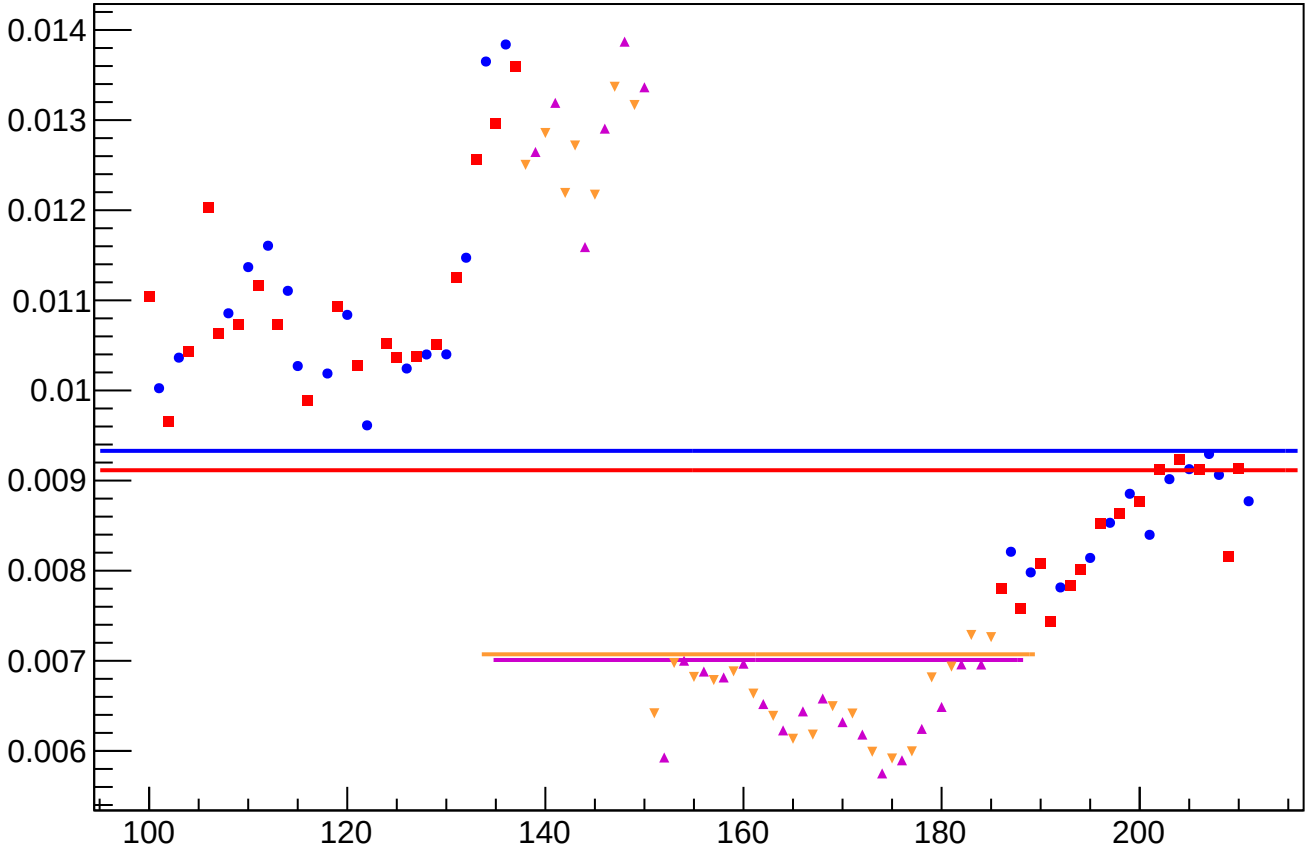
Right: -0.380+/-0.000 χ^2/NDF: 51817169449.1/60

In: -0.414+/-0.000 χ^2/NDF:114679701103.7/50

Out: -0.389+/-0.000 χ^2/NDF:109174879118.5/57

All: -0.401+/-0.000 χ^2/NDF: 224020061010.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 635593.5/27

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 699589.4/32

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

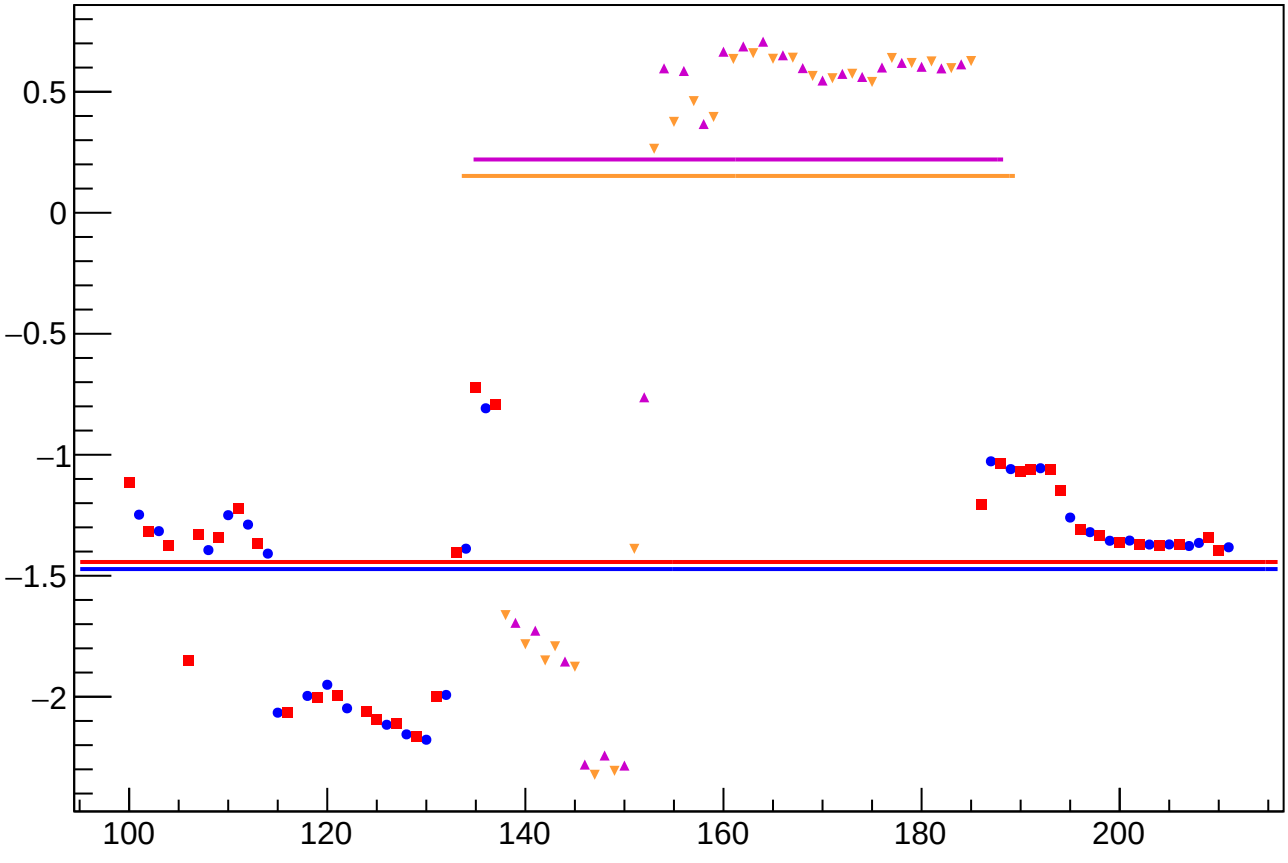
Right: 0.009+/-0.000 χ^2/NDF: 1344234.8/60

In: 0.008+/-0.000 χ^2/NDF:4379682.0/50

Out: 0.008+/-0.000 χ^2/NDF:4182998.6/57

All: 0.008+/-0.000 χ^2/NDF: 8562711.9/108

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.472+/-0.000 χ^2/NDF: 183593551616.4/27

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.443+/-0.000 χ^2/NDF: 172639807805.1/32

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

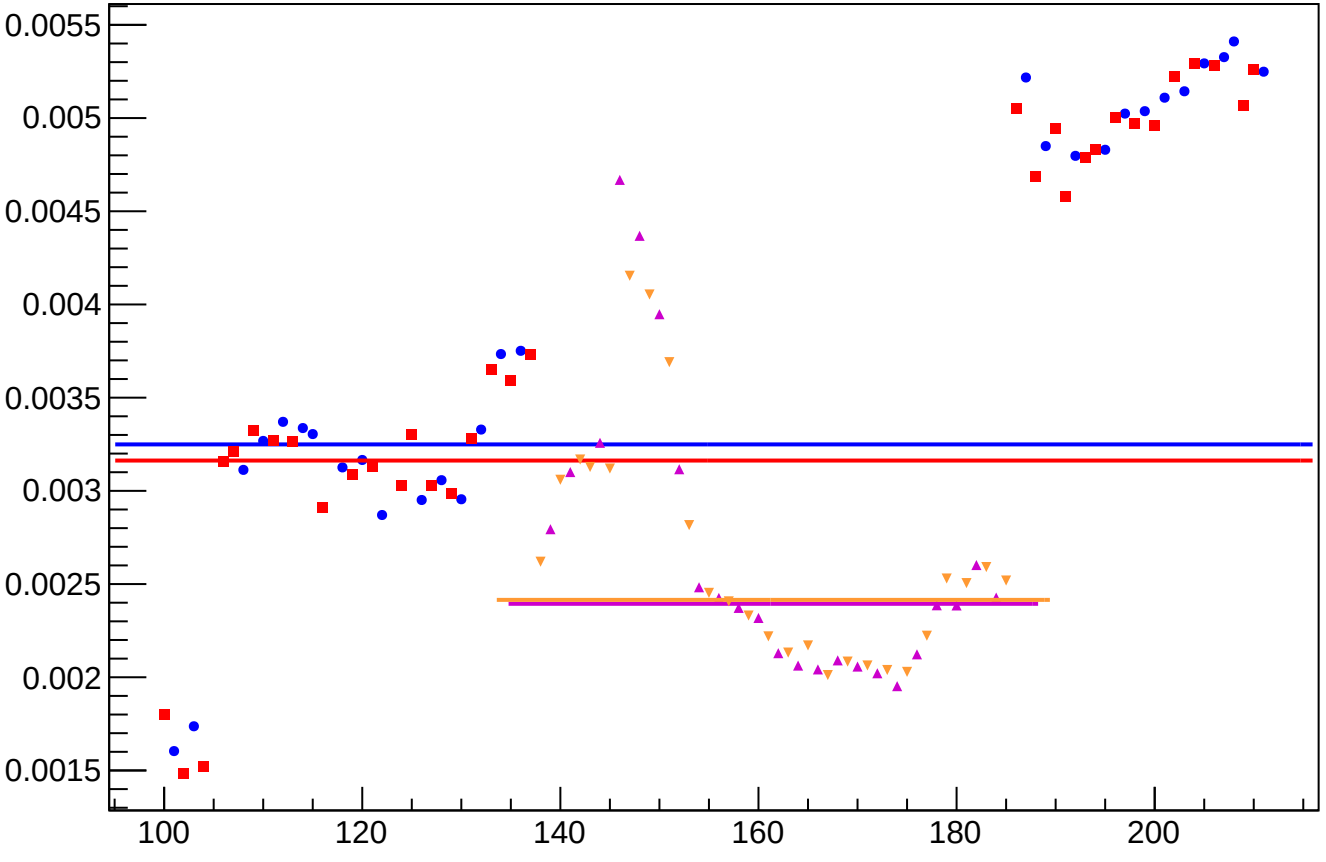
Right: -1.457+/-0.000 χ^2/NDF: 356812135796.7/60

In: -0.312+/-0.000 χ^2/NDF:4818025558771.8/50

Out: -0.372+/-0.000 χ^2/NDF:5017192933020.2/57

All: -0.343+/-0.000 χ^2/NDF: 9842654366949

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4473297.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5529176.5/32

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

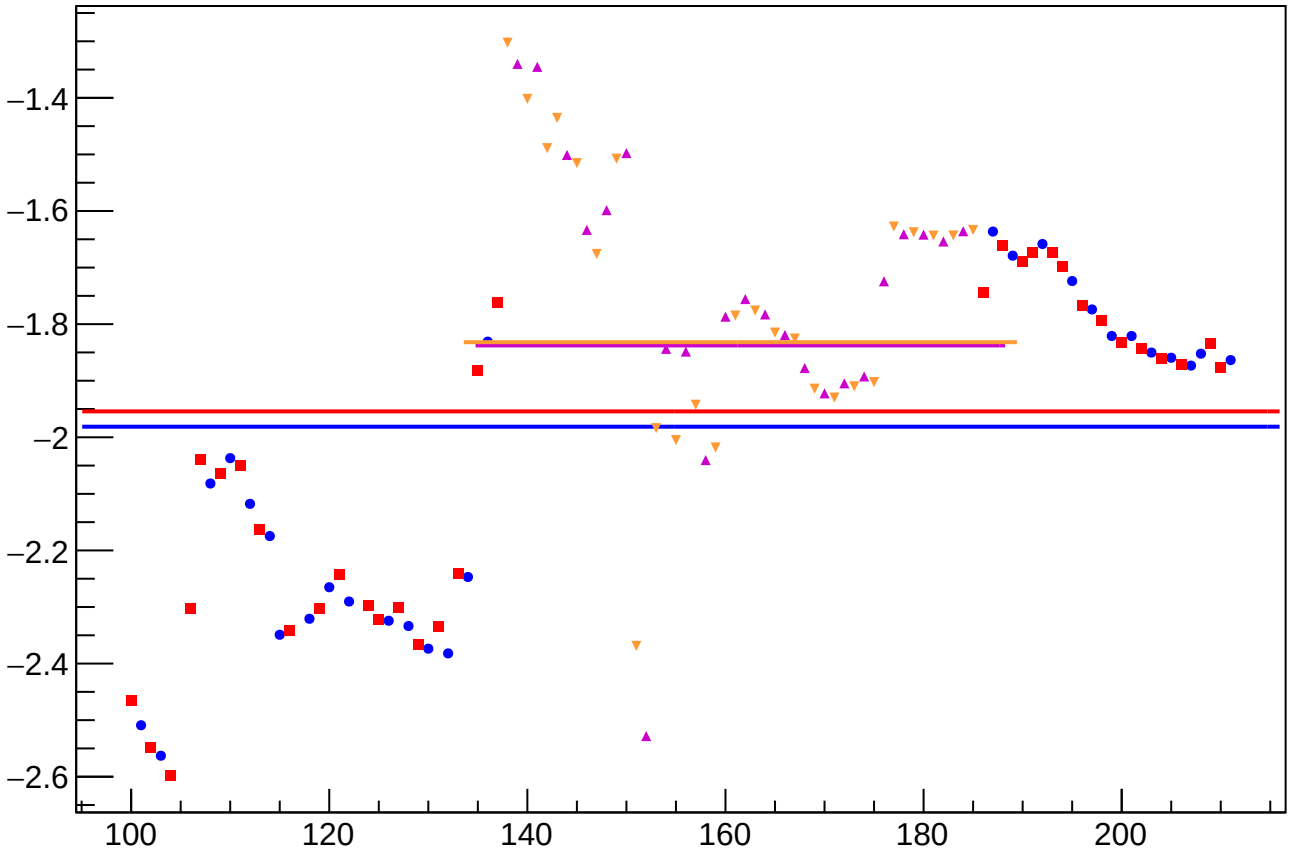
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 10012601.7/60

In: 0.003+/-0.000 χ^2/NDF:7165643.8/50

Out: 0.003+/-0.000 χ^2/NDF:7823490.0/57

All: 0.003+/-0.000 χ^2/NDF: 14989158.8/108



Right In: -1.981+/-0.000 χ^2/NDF: 33701747221.1/27

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.954+/-0.000 χ^2/NDF: 37915984484.5/32

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

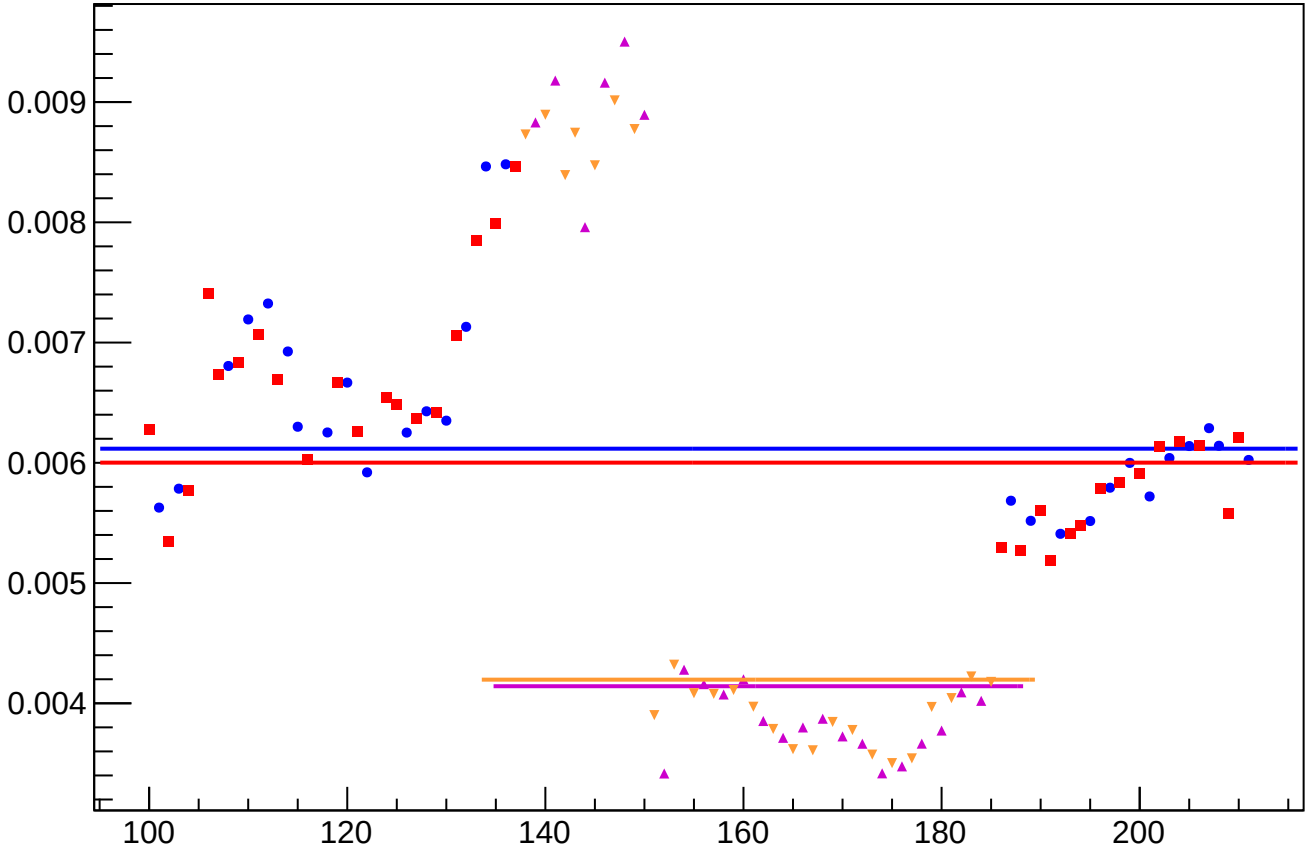
Right: -1.967+/-0.000 χ^2/NDF: 71784190703.5/60

In: -1.883+/-0.000 χ^2/NDF:93212179981.2/50

Out: -1.872+/-0.000 χ^2/NDF:81123588861.3/57

All: -1.877+/-0.000 χ^2/NDF: 174407684498.0

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 367360.3/27

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 391728.3/32

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

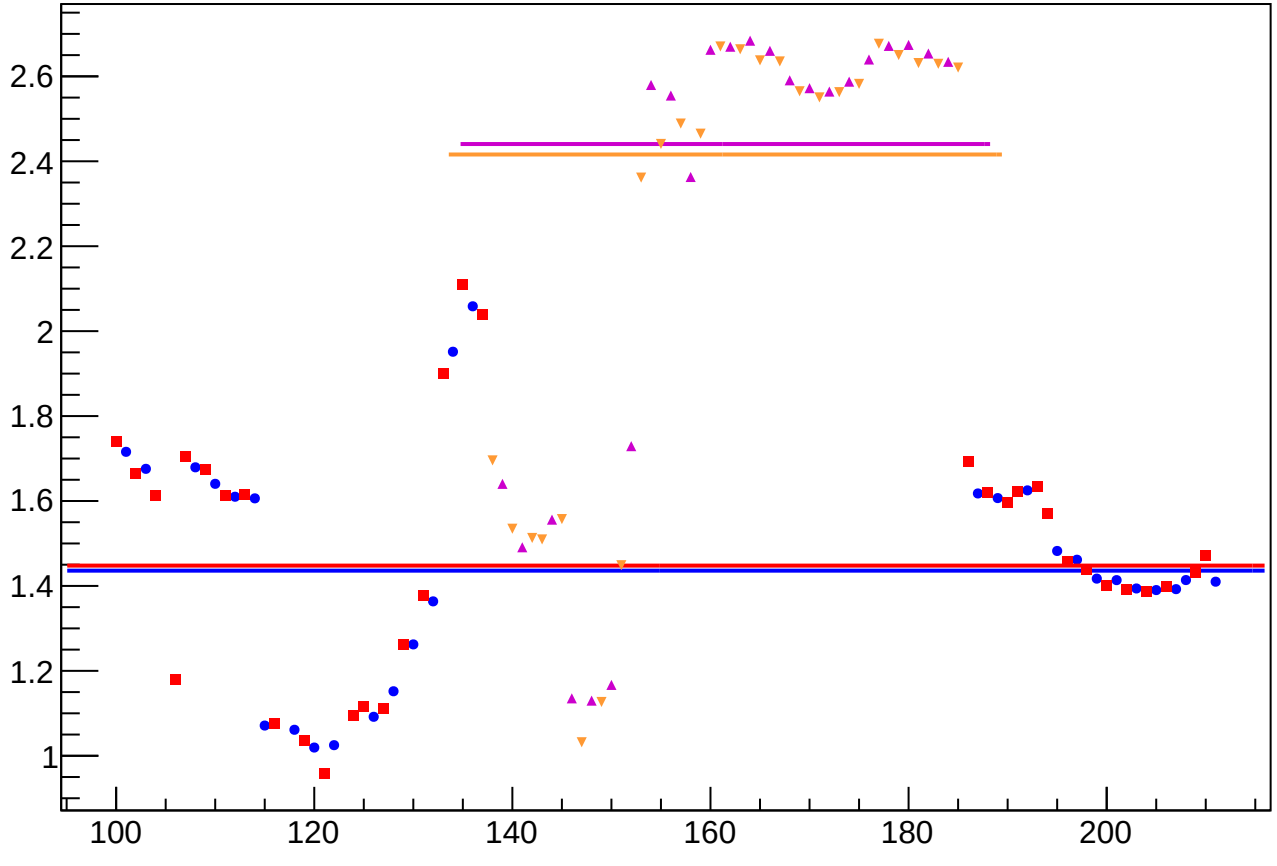
Right: 0.006+/-0.000 χ^2/NDF: 765205.4/60

In: 0.005+/-0.000 χ^2/NDF:5856837.0/50

Out: 0.005+/-0.000 χ^2/NDF:5590343.6/57

All: 0.005+/-0.000 χ^2/NDF: 11448947.4/108

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191499361432.1/27

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186648163165.4/32

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

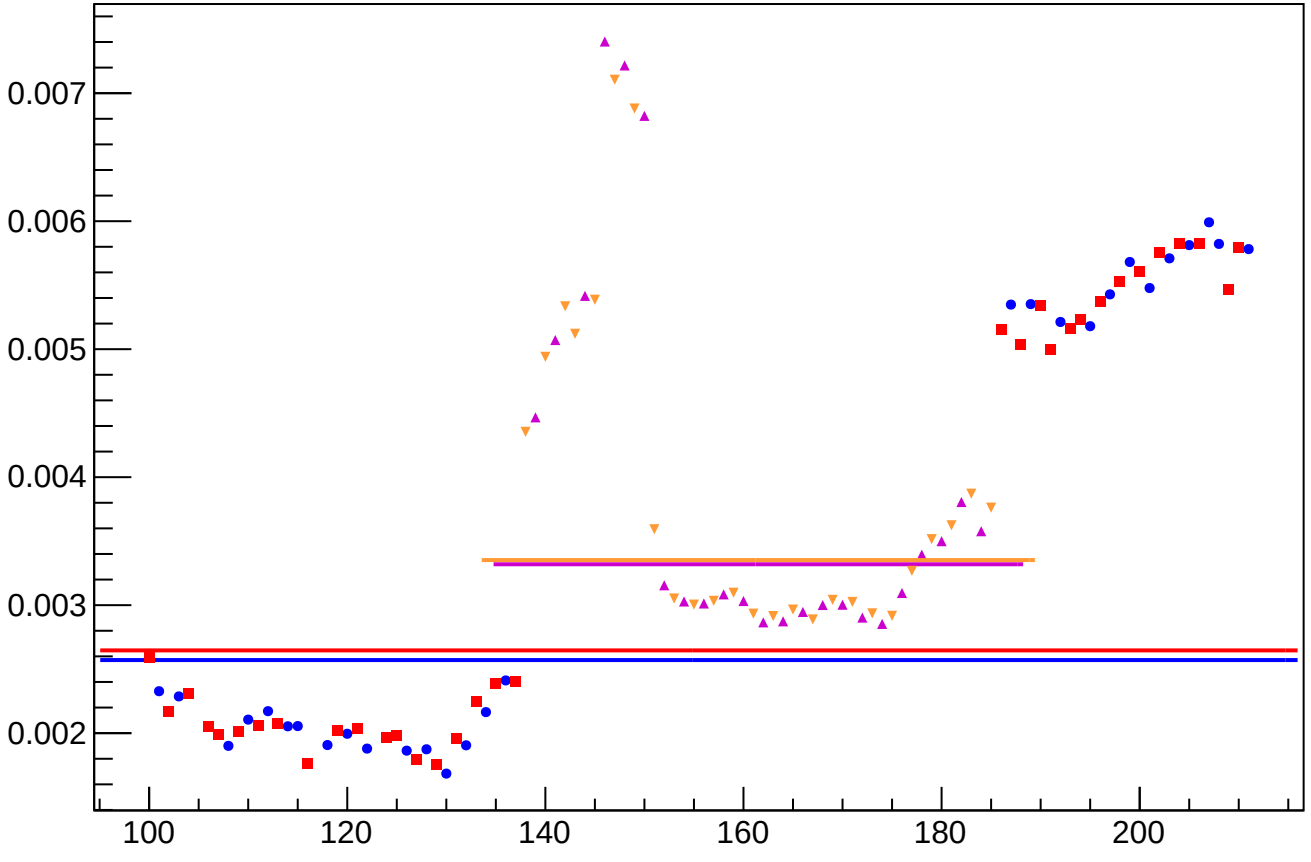
Right: 1.442+/-0.000 χ^2/NDF: 378285849199.0/60

In: 1.873+/-0.000 χ^2/NDF:1268421403907.4/50

Out: 1.873+/-0.000 χ^2/NDF:1246209495143.0/57

All: 1.873+/-0.000 χ^2/NDF: 2514631066130.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6536015.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6957591.2/32

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

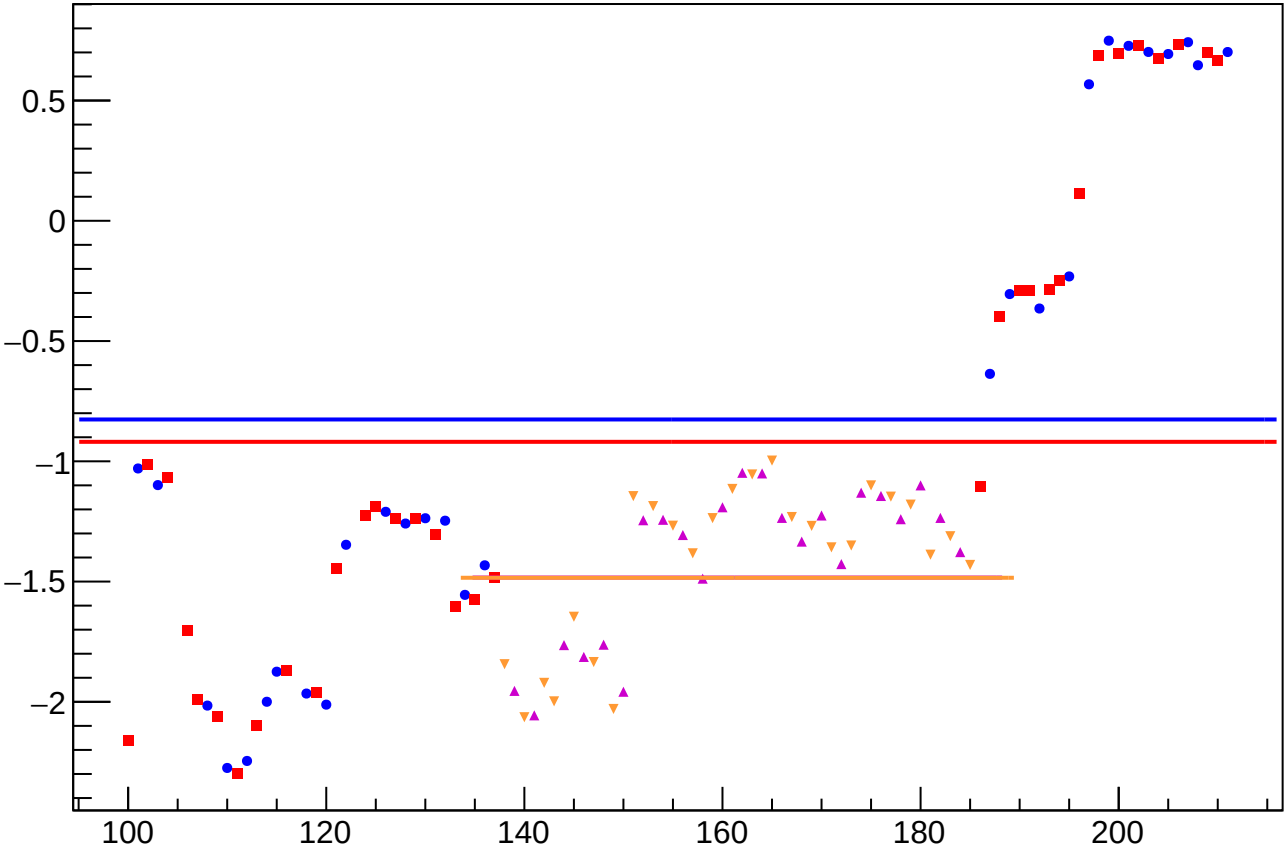
Right: 0.003+/-0.000 χ^2/NDF: 13504757.5/60

In: 0.003+/-0.000 χ^2/NDF:9529811.8/50

Out: 0.003+/-0.000 χ^2/NDF:9645287.8/57

All: 0.003+/-0.000 χ^2/NDF: 19187433.8/108

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.826+/-0.000 χ^2/NDF: 219926972136.4/27

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.919+/-0.000 χ^2/NDF: 259008116576.5/32

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

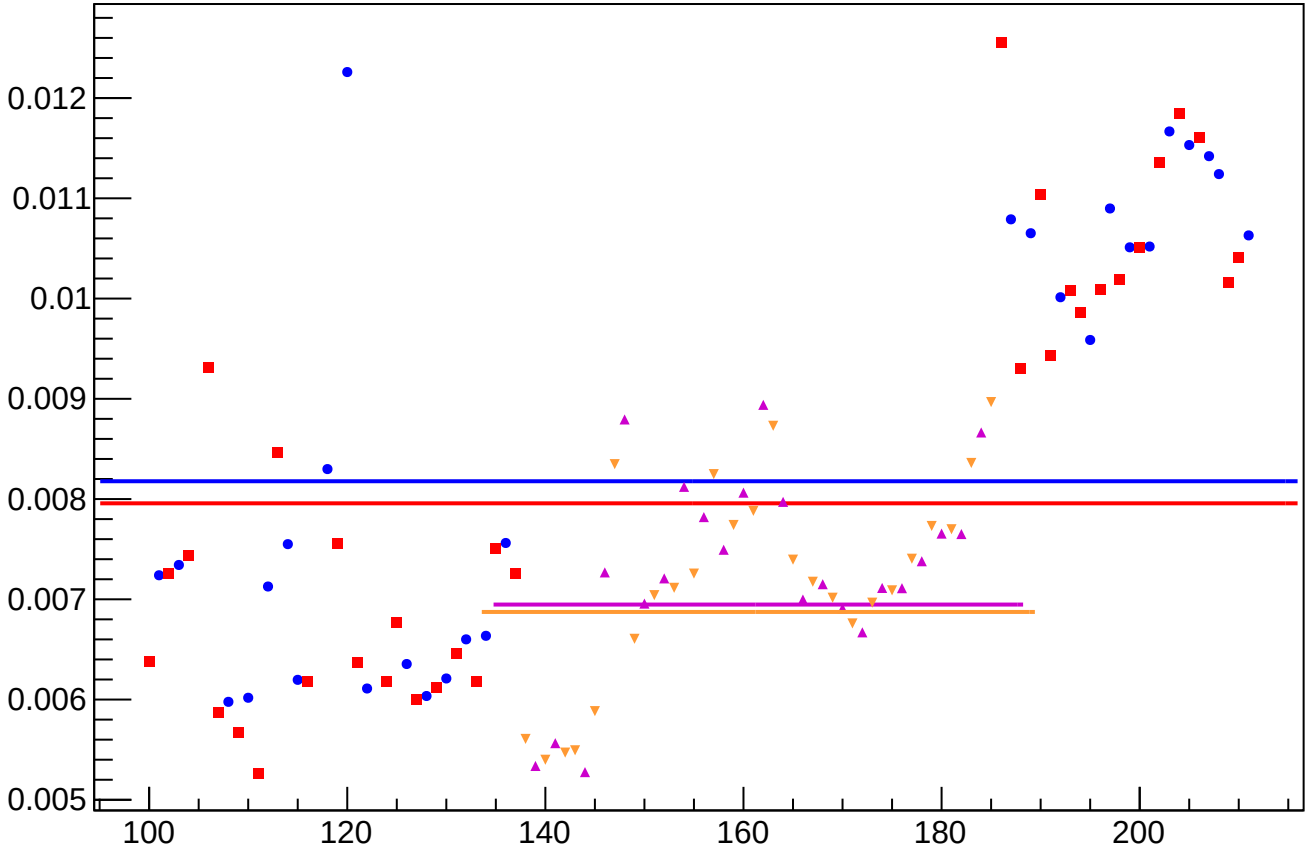
Right: -0.876+/-0.000 χ^2/NDF: 479960852457.6/60

In: -1.230+/-0.000 χ^2/NDF:318952975770.0/50

Out: -1.258+/-0.000 χ^2/NDF:356529762665.5/57

All: -1.245+/-0.000 χ^2/NDF: 675709242748.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1884134.9/27

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2193983.6/32

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

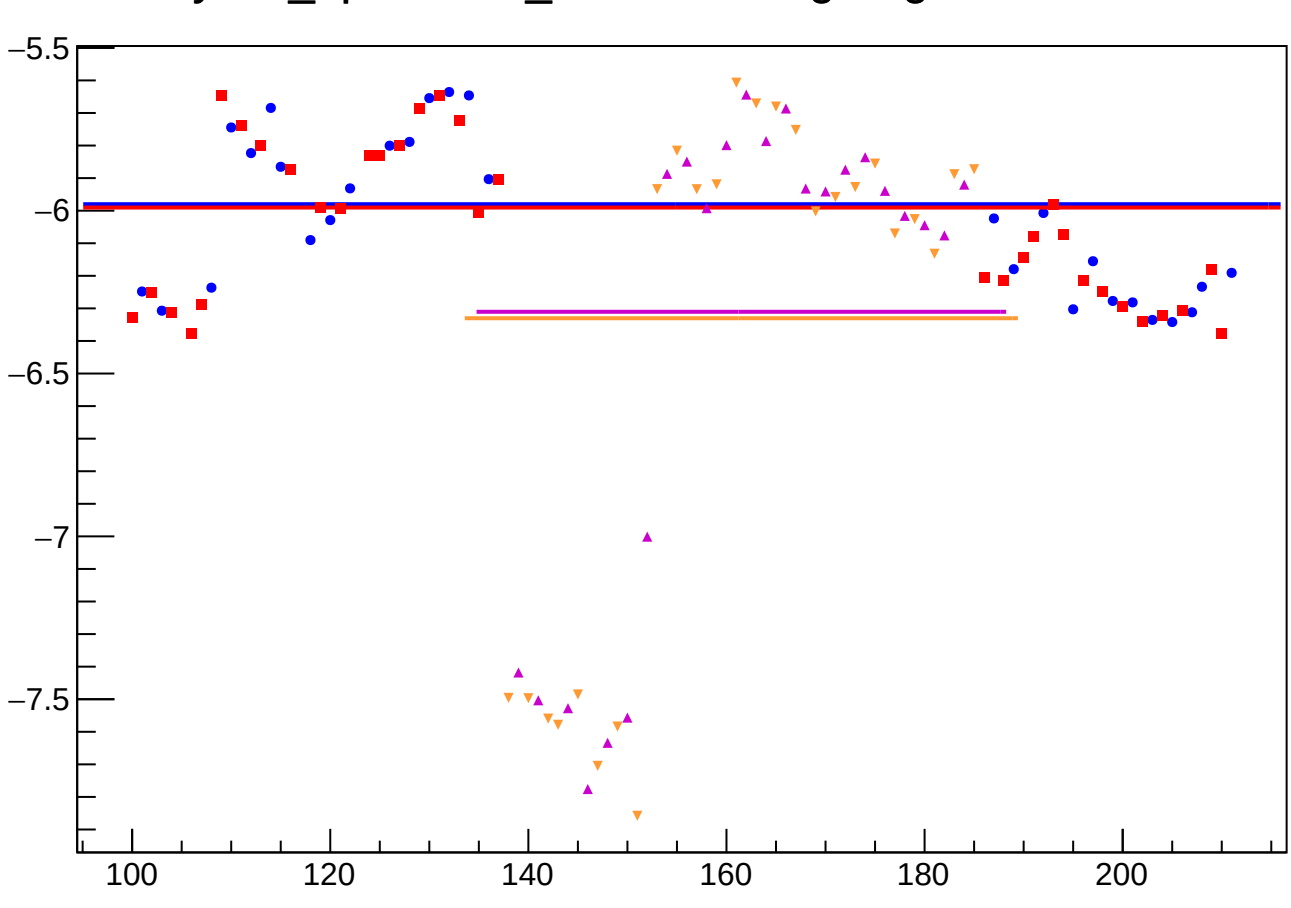
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 4089635.6/60

In: 0.007+/-0.000 χ^2/NDF:3041912.3/50

Out: 0.007+/-0.000 χ^2/NDF:3300348.5/57

All: 0.007+/-0.000 χ^2/NDF: 6349974.9/108



Right In: -5.980+/-0.000 χ^2/NDF: 15981335859.5/27

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.990+/-0.000 χ^2/NDF: 17136487000.8/32

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

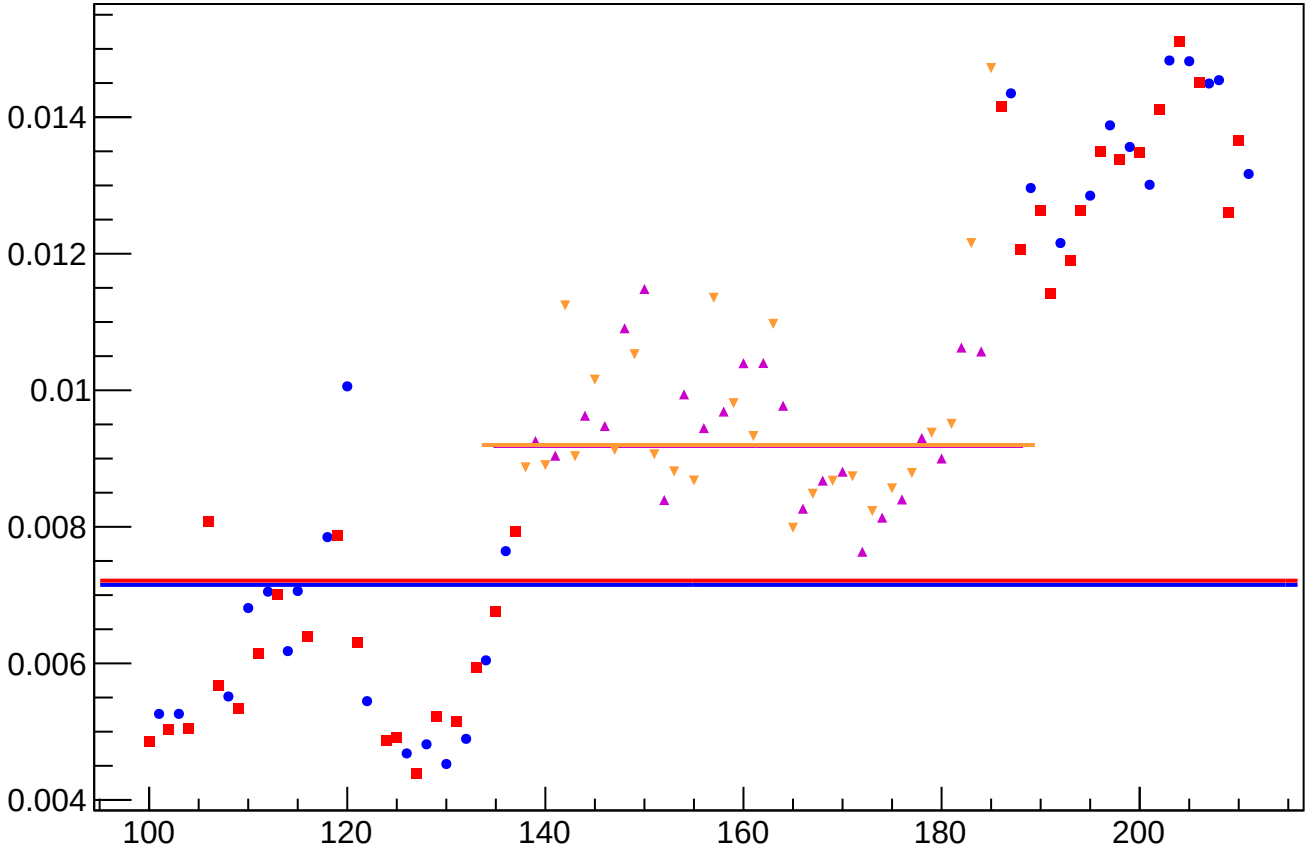
Right: -5.985+/-0.000 χ^2/NDF: 33131412406.1/60

In: -6.121+/-0.000 χ^2/NDF:119128796294.3/50

Out: -6.131+/-0.000 χ^2/NDF:140359239891.0/57

All: -6.126+/-0.000 χ^2/NDF: 259514112930.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5606830.6/27

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5810747.2/32

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

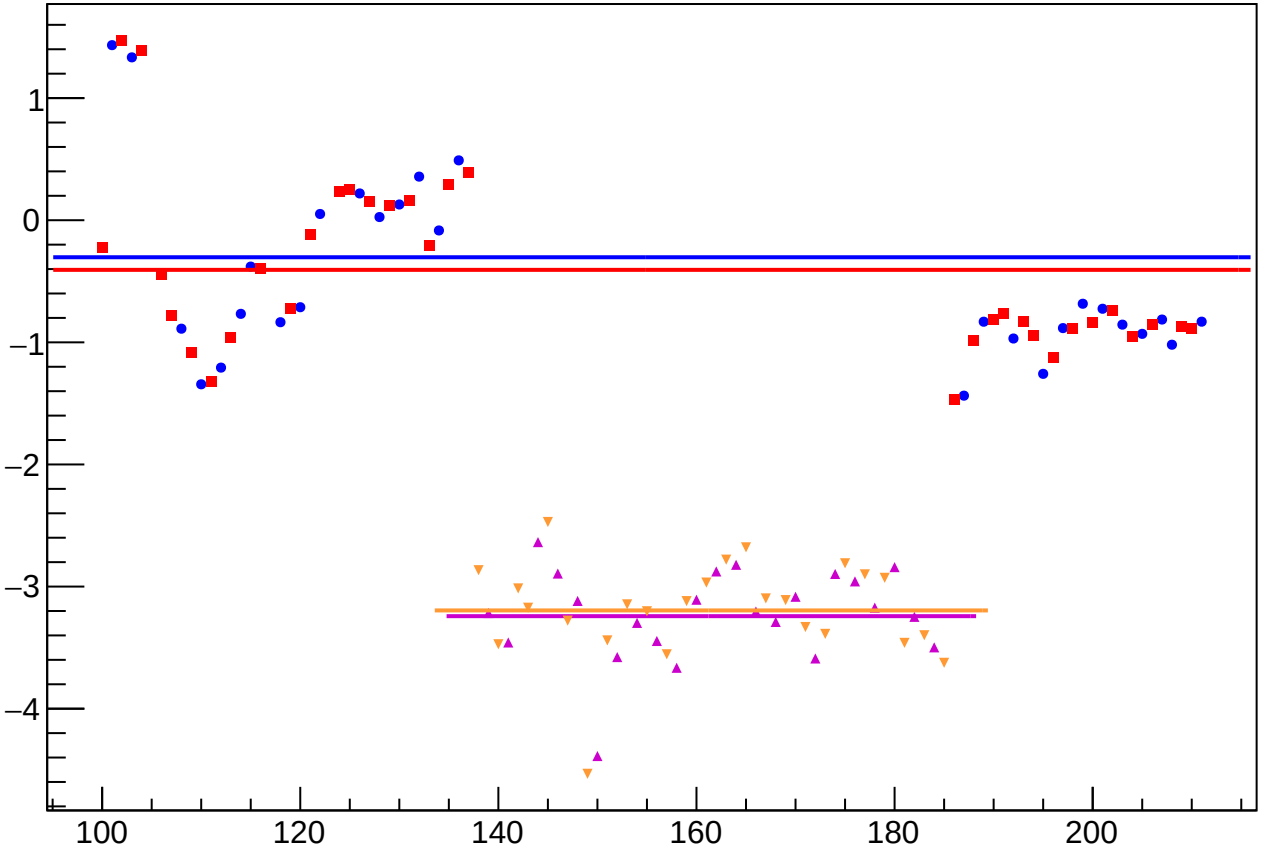
Right: 0.007+/-0.000 χ^2/NDF: 11418558.5/60

In: 0.008+/-0.000 χ^2/NDF:6794831.2/50

Out: 0.008+/-0.000 χ^2/NDF:7058982.4/57

All: 0.008+/-0.000 χ^2/NDF: 13854012.5/108

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.303+/-0.000 χ^2/NDF: 34825059295.3/27

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.407+/-0.000 χ^2/NDF: 36251060680.9/32

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

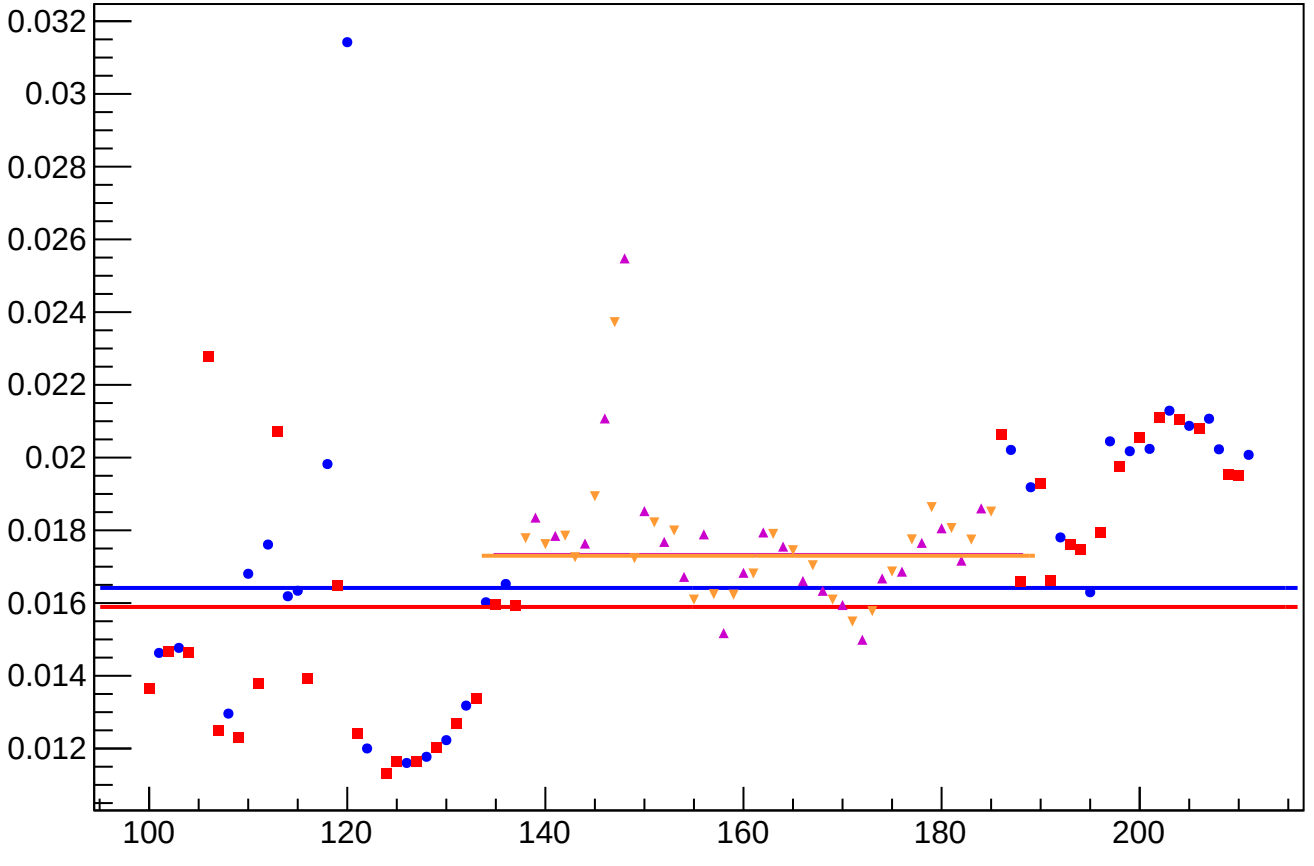
Right: -0.359+/-0.000 χ^2/NDF: 71398007416.5/60

In: -1.807+/-0.000 χ^2/NDF:289095129041.7/50

Out: -1.760+/-0.000 χ^2/NDF:294180099557.3/57

All: -1.783+/-0.000 χ^2/NDF: 583408648188.6

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1404888.8/27

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1441127.6/32

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

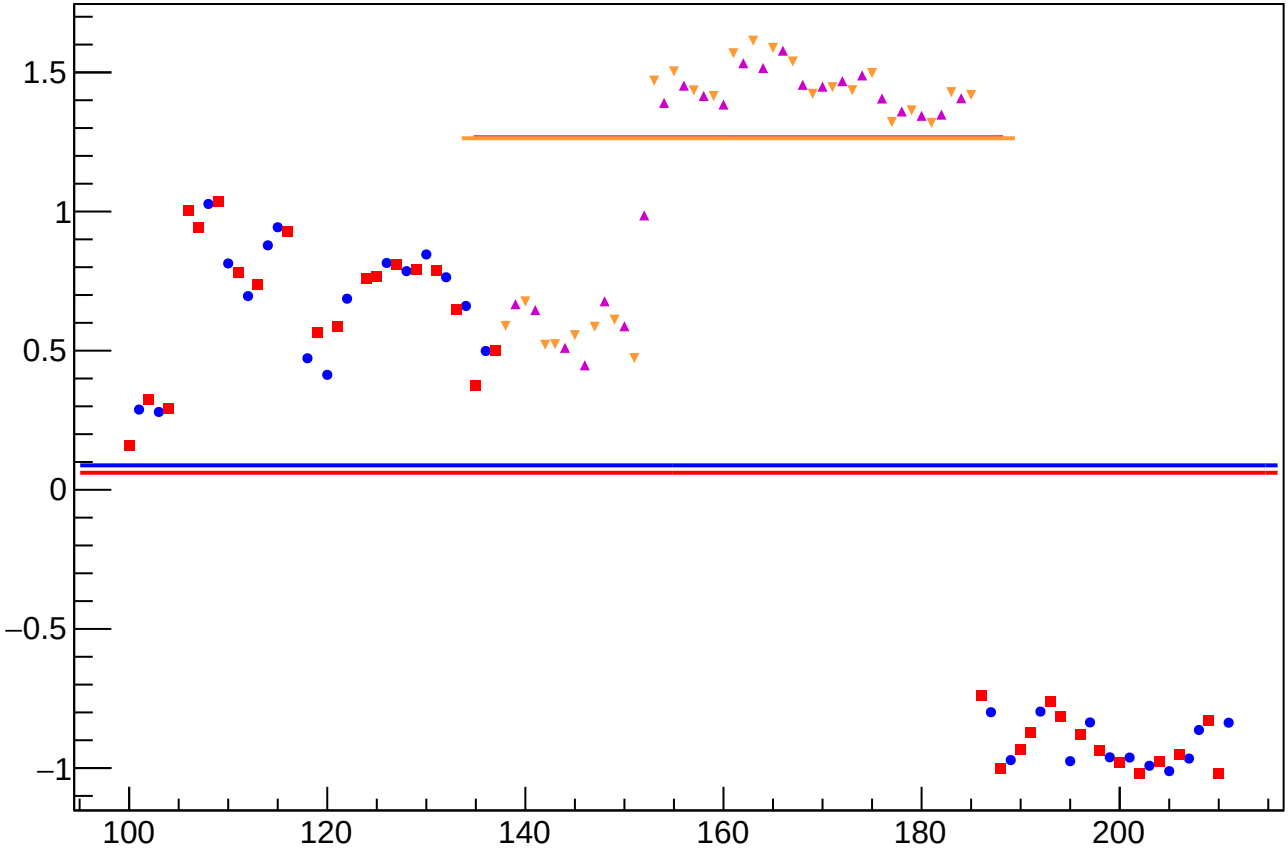
Right: 0.016+/-0.000 χ^2/NDF: 2862506.3/60

In: 0.017+/-0.000 χ^2/NDF:1781693.0/50

Out: 0.017+/-0.000 χ^2/NDF:1785844.7/57

All: 0.017+/-0.000 χ^2/NDF: 3578635.2/108

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF: 81468387615.8/27

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.061+/-0.000 χ^2/NDF: 96039652224.6/32

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

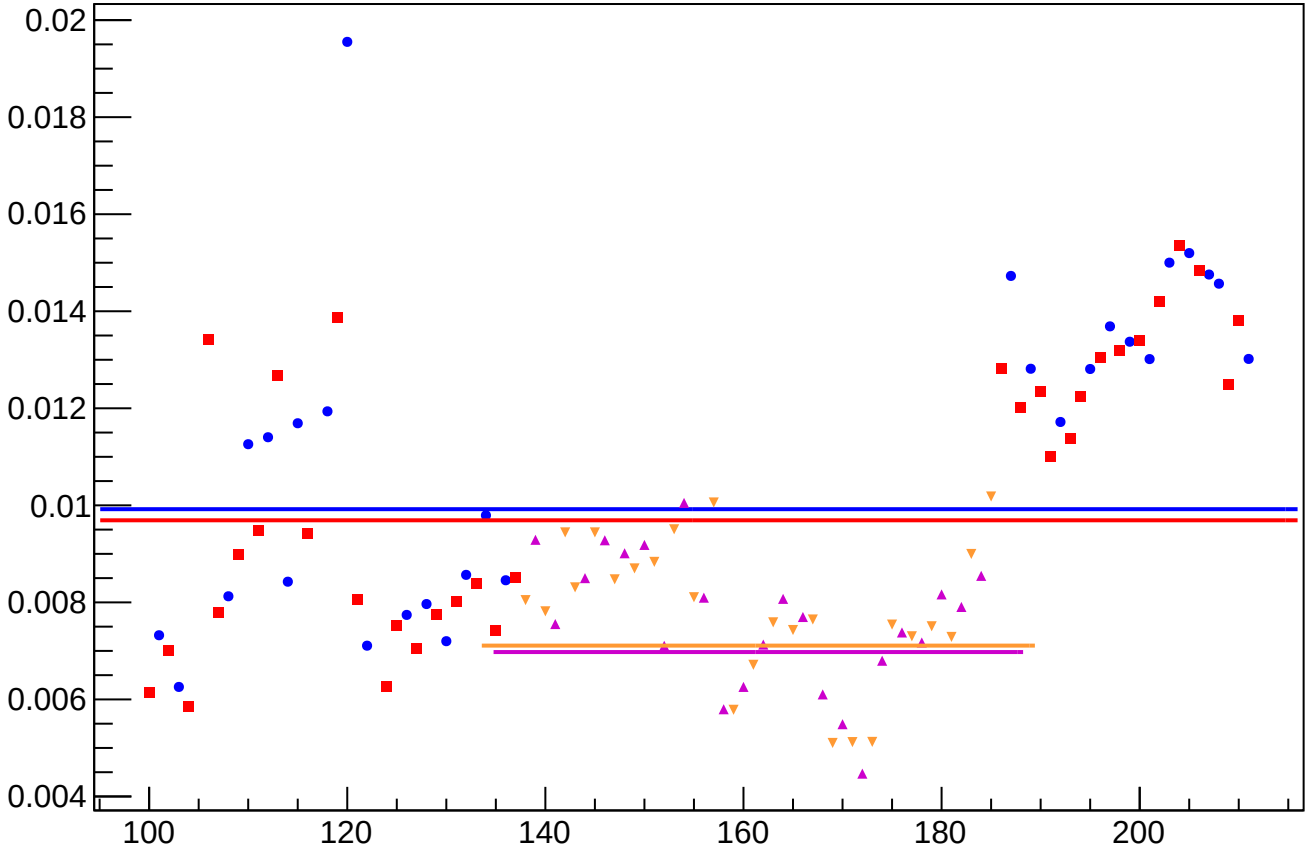
Right: 0.074+/-0.000 χ^2/NDF: 177562671689.5/60

In: 0.912+/-0.000 χ^2/NDF:258814399402.1/50

Out: 0.867+/-0.000 χ^2/NDF:301879927671.4/57

All: 0.889+/-0.000 χ^2/NDF: 561177931057.3

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2636397.4/27

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2799249.8/32

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

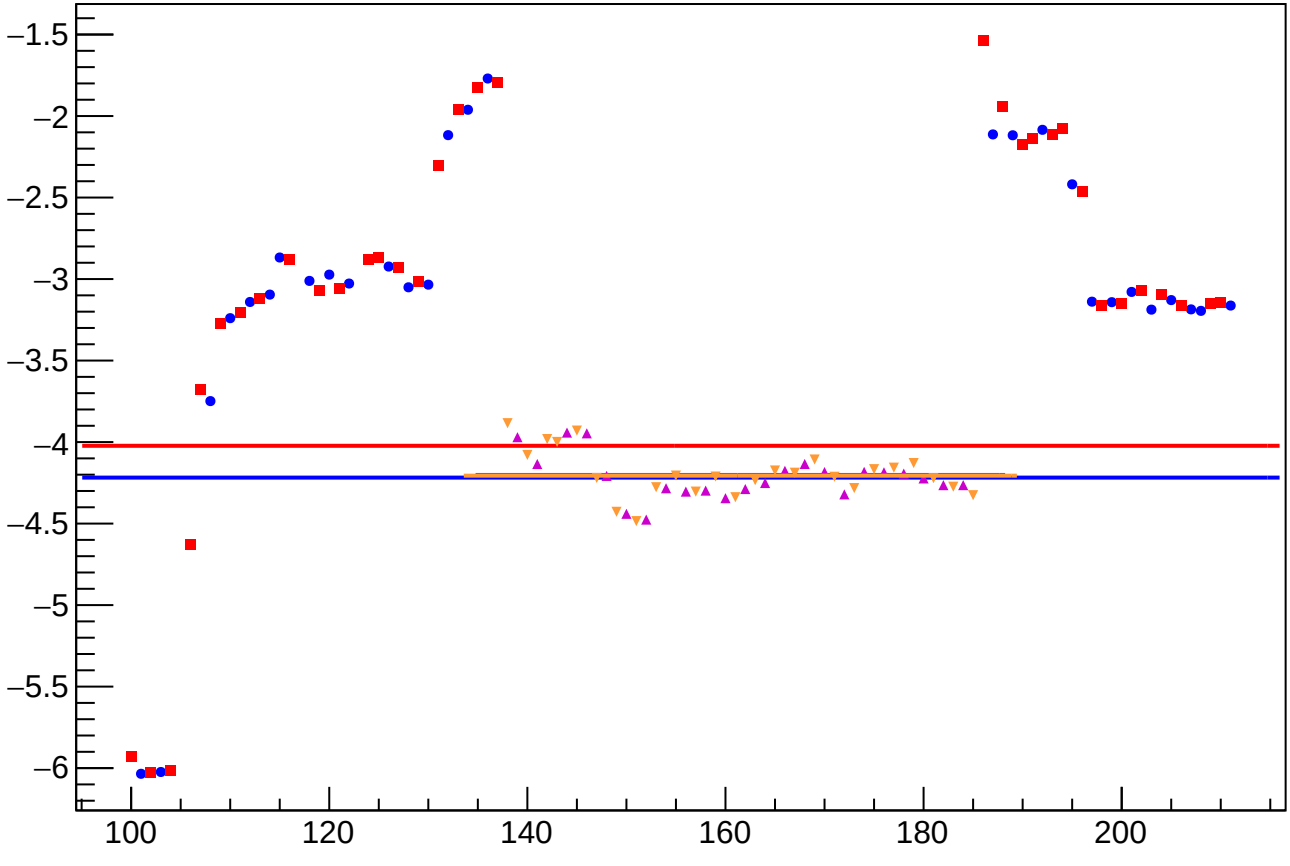
Right: 0.010+/-0.000 χ^2/NDF: 5443729.2/60

In: 0.008+/-0.000 χ^2/NDF:5836896.6/50

Out: 0.008+/-0.000 χ^2/NDF:5797456.0/57

All: 0.008+/-0.000 χ^2/NDF: 11638965.4/108

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.218+/-0.000 χ^2/NDF: 298686795886.4/27

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.023+/-0.000 χ^2/NDF: 305250792919.3/32

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

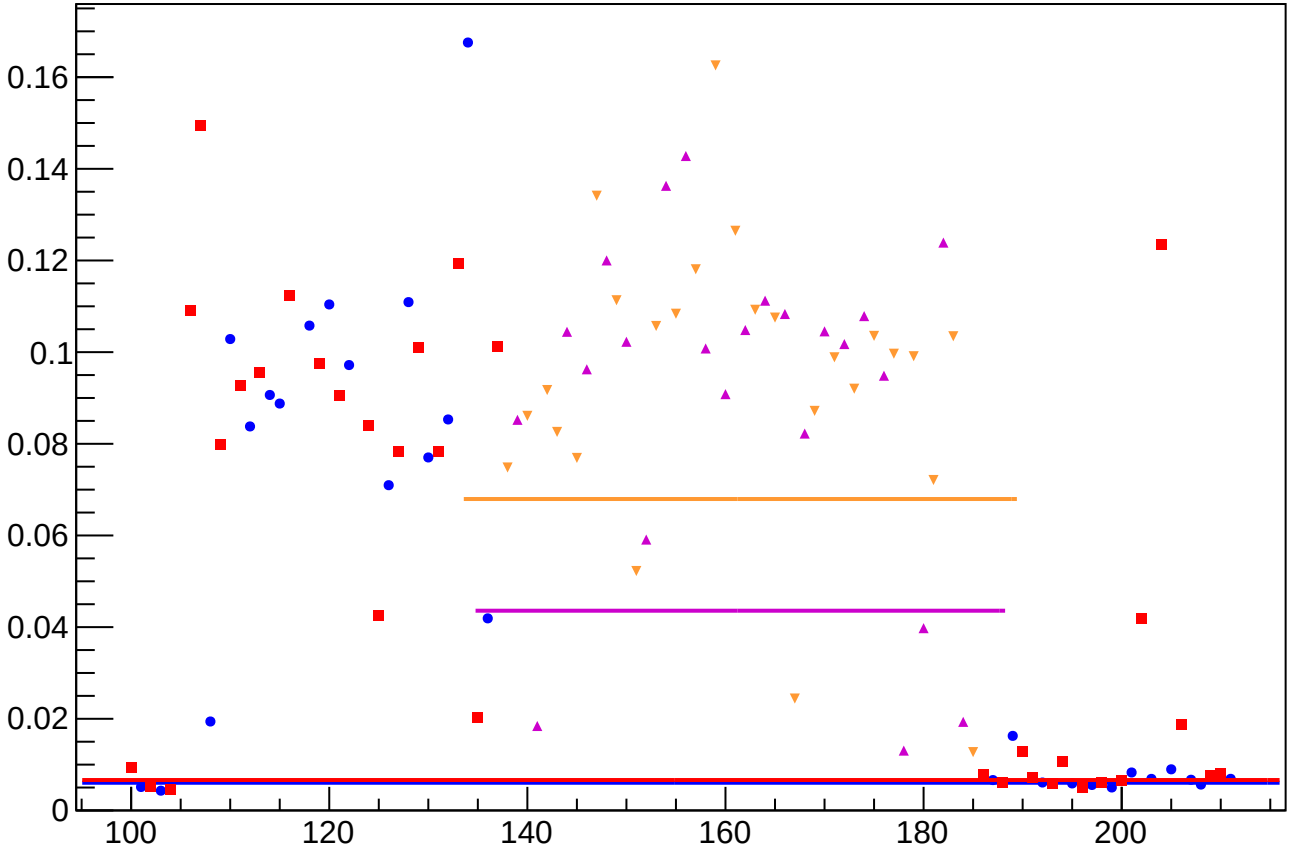
Right: -4.132+/-0.000 χ^2/NDF: 605952460491.7/60

In: -4.217+/-0.000 χ^2/NDF:298730586726.7/50

Out: -4.028+/-0.000 χ^2/NDF:305399327205.4/57

All: -4.134+/-0.000 χ^2/NDF: 606090521418.8

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8919766.8/27

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10698911.9/32

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

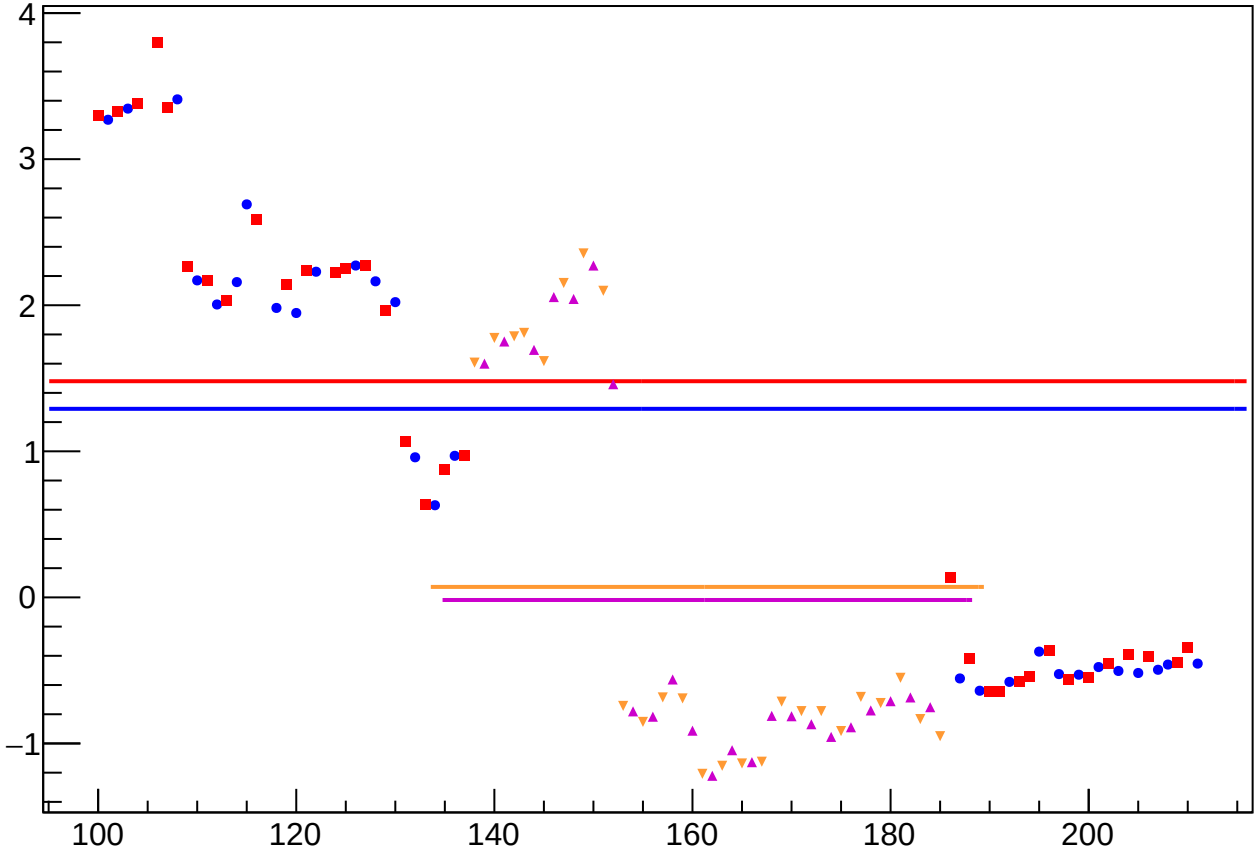
Right: 0.006+/-0.000 χ^2/NDF: 19655827.6/60

In: 0.007+/-0.000 χ^2/NDF:32830143.2/50

Out: 0.008+/-0.000 χ^2/NDF:37791553.5/57

All: 0.008+/-0.000 χ^2/NDF: 70736314.1/108

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.291+/-0.000 χ^2/NDF: 232838601993.1/27

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.480+/-0.000 χ^2/NDF: 202390171294.9/32

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

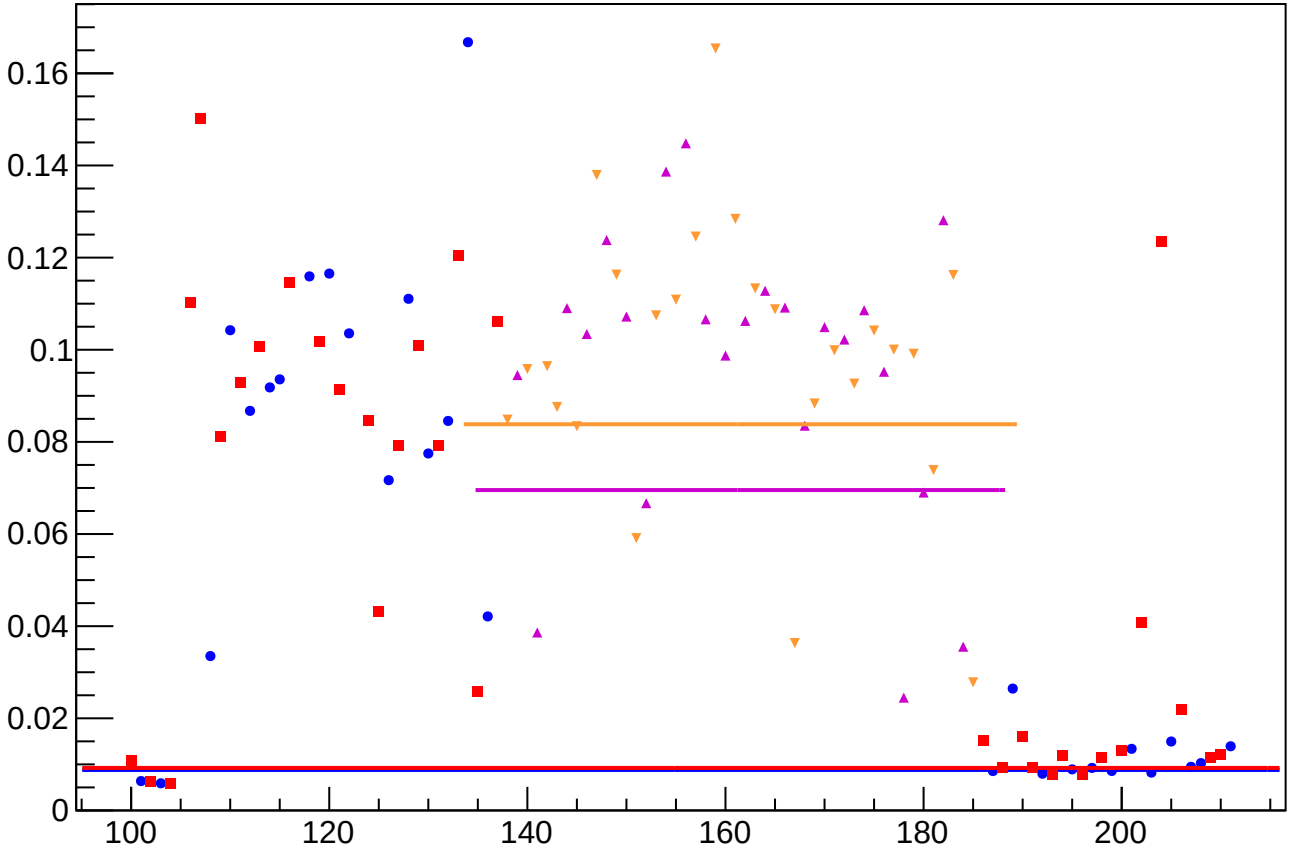
Right: 1.379+/-0.000 χ^2/NDF: 436311834744.0/60

In: 1.245+/-0.000 χ^2/NDF:240223526604.8/50

Out: 1.431+/-0.000 χ^2/NDF:209962387384.1/57

All: 1.331+/-0.000 χ^2/NDF: 451270719448.4

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8843632.9/27

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10488806.1/32

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

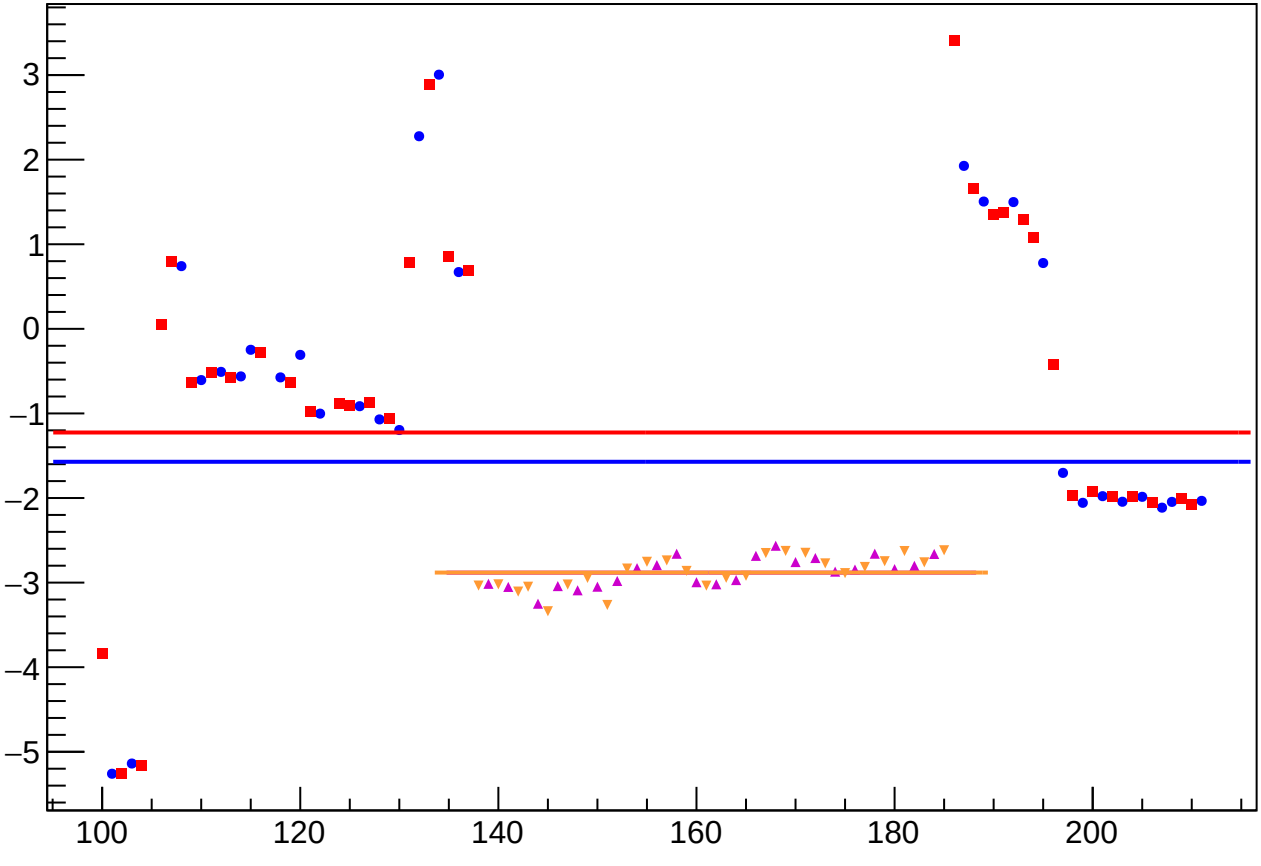
Right: 0.009+/-0.000 χ^2/NDF: 19343982.9/60

In: 0.011+/-0.000 χ^2/NDF:32472951.9/50

Out: 0.012+/-0.000 χ^2/NDF:36416782.6/57

All: 0.011+/-0.000 χ^2/NDF: 68941549.6/108

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.572+/-0.000 χ^2/NDF: 209250518780.5/27

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.225+/-0.000 χ^2/NDF: 238773897316.4/32

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

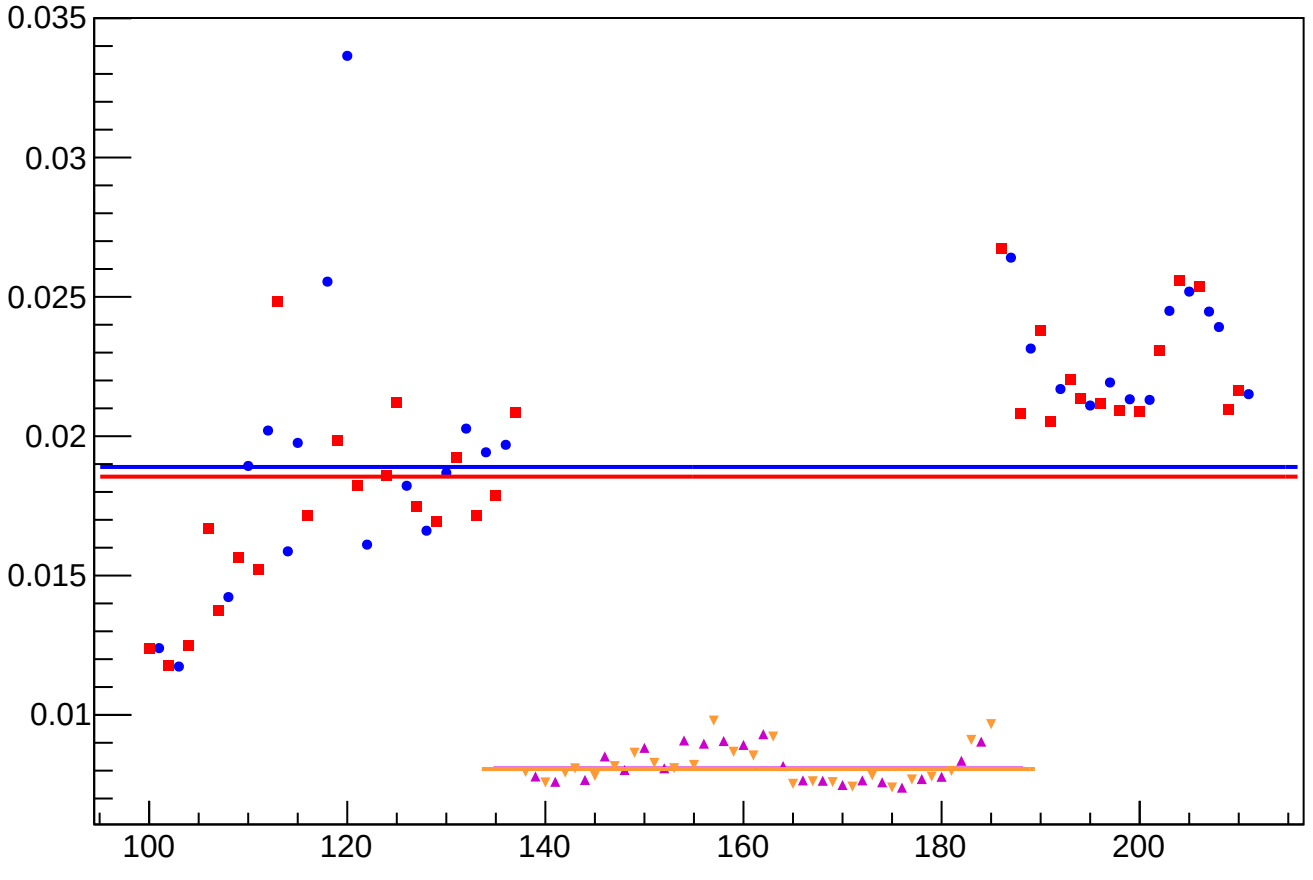
Right: -1.386+/-0.000 χ^2/NDF: 450618275518.9/60

In: -2.711+/-0.000 χ^2/NDF:277772179833.6/50

Out: -2.647+/-0.000 χ^2/NDF:359365274353.7/57

All: -2.678+/-0.000 χ^2/NDF: 637781377892.

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1664143.5/27

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 1562398.9/32

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

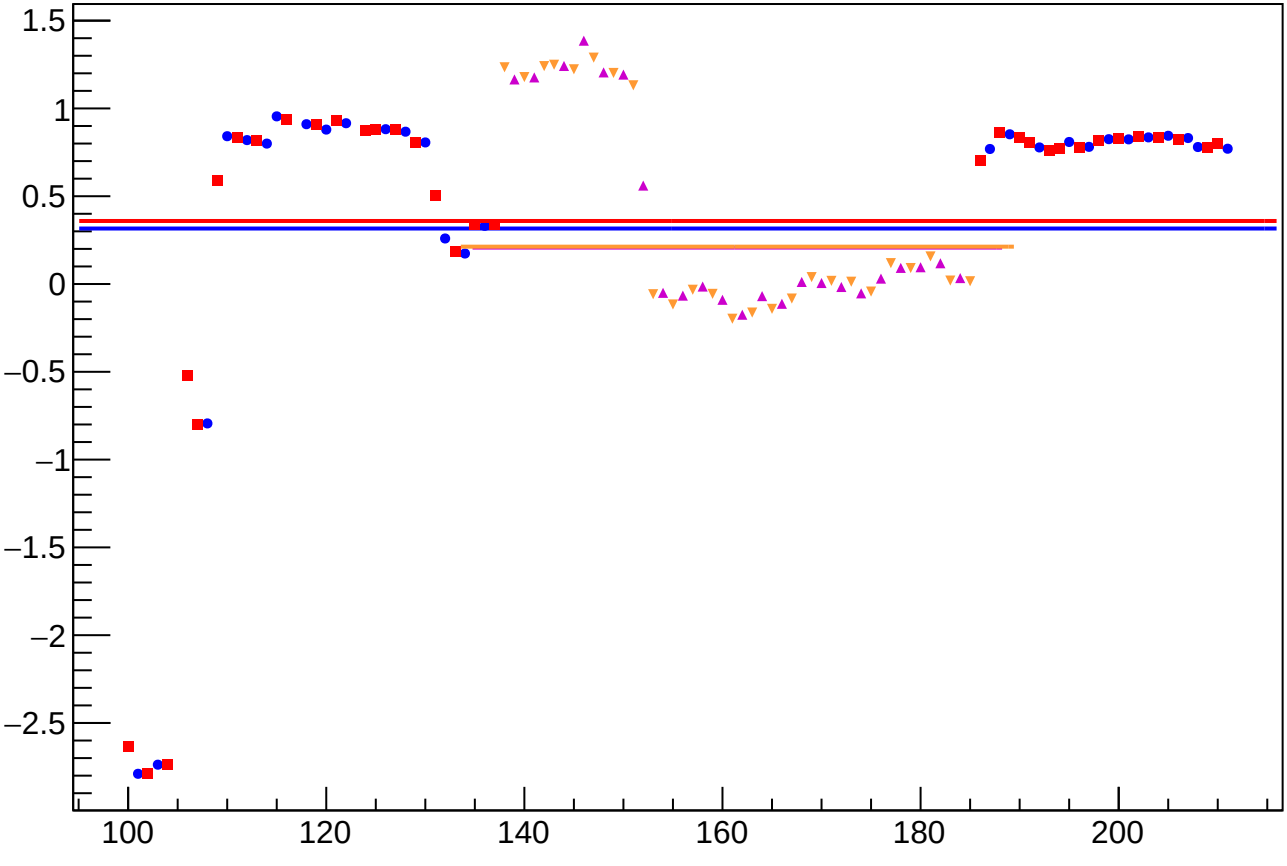
Right: 0.019+/-0.000 χ^2/NDF: 3231764.6/60

In: 0.009+/-0.000 χ^2/NDF:10050292.6/50

Out: 0.010+/-0.000 χ^2/NDF:10583030.2/57

All: 0.010+/-0.000 χ^2/NDF: 20634006.1/108

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF: 967605704534.6/27

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.359+/-0.000 χ^2/NDF: 1057229029941.0/32

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

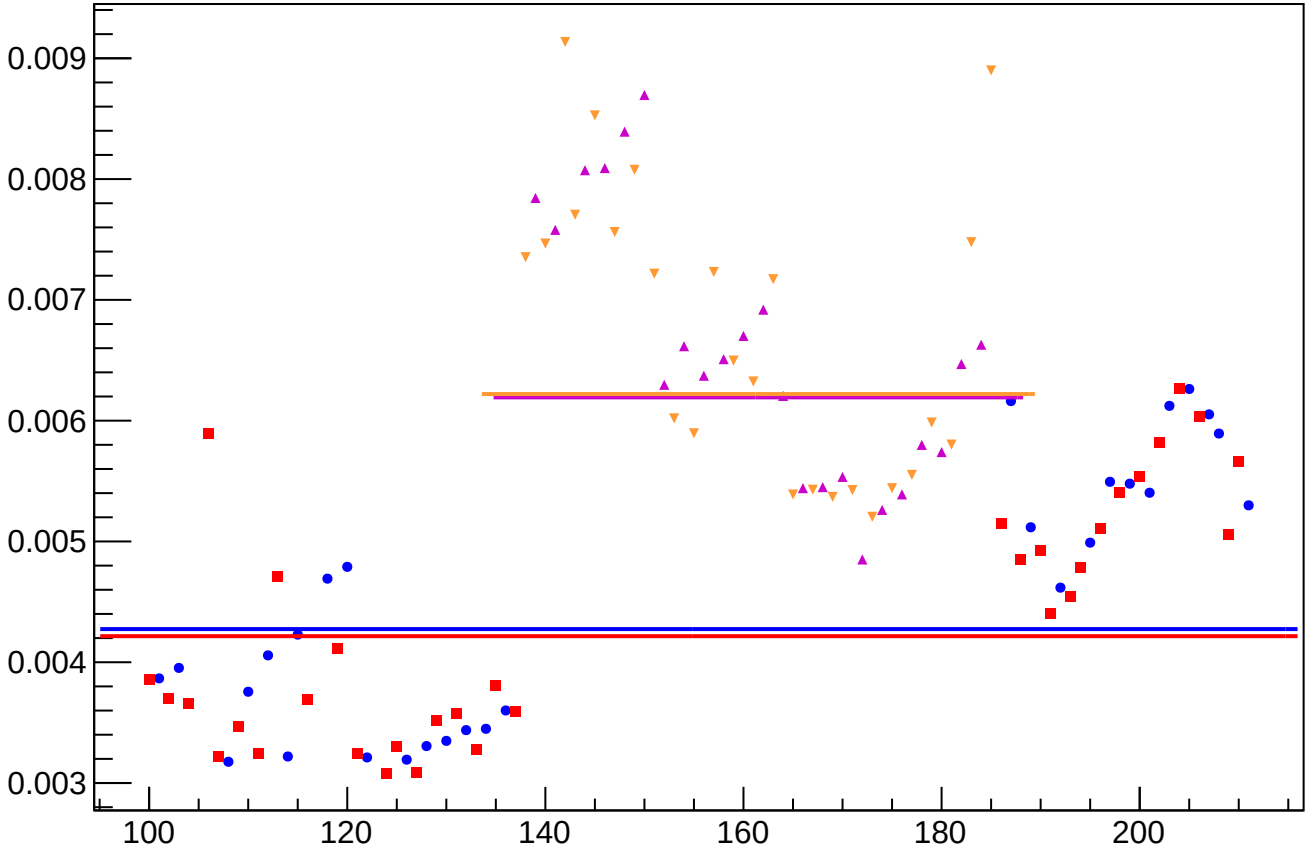
Right: 0.339+/-0.000 χ^2/NDF: 2025639726696.9/60

In: 0.280+/-0.000 χ^2/NDF:1057961202766.2/50

Out: 0.313+/-0.000 χ^2/NDF:1166340471011.5/57

All: 0.297+/-0.000 χ^2/NDF: 2225003697600.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1652401.6/27

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1691431.4/32

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

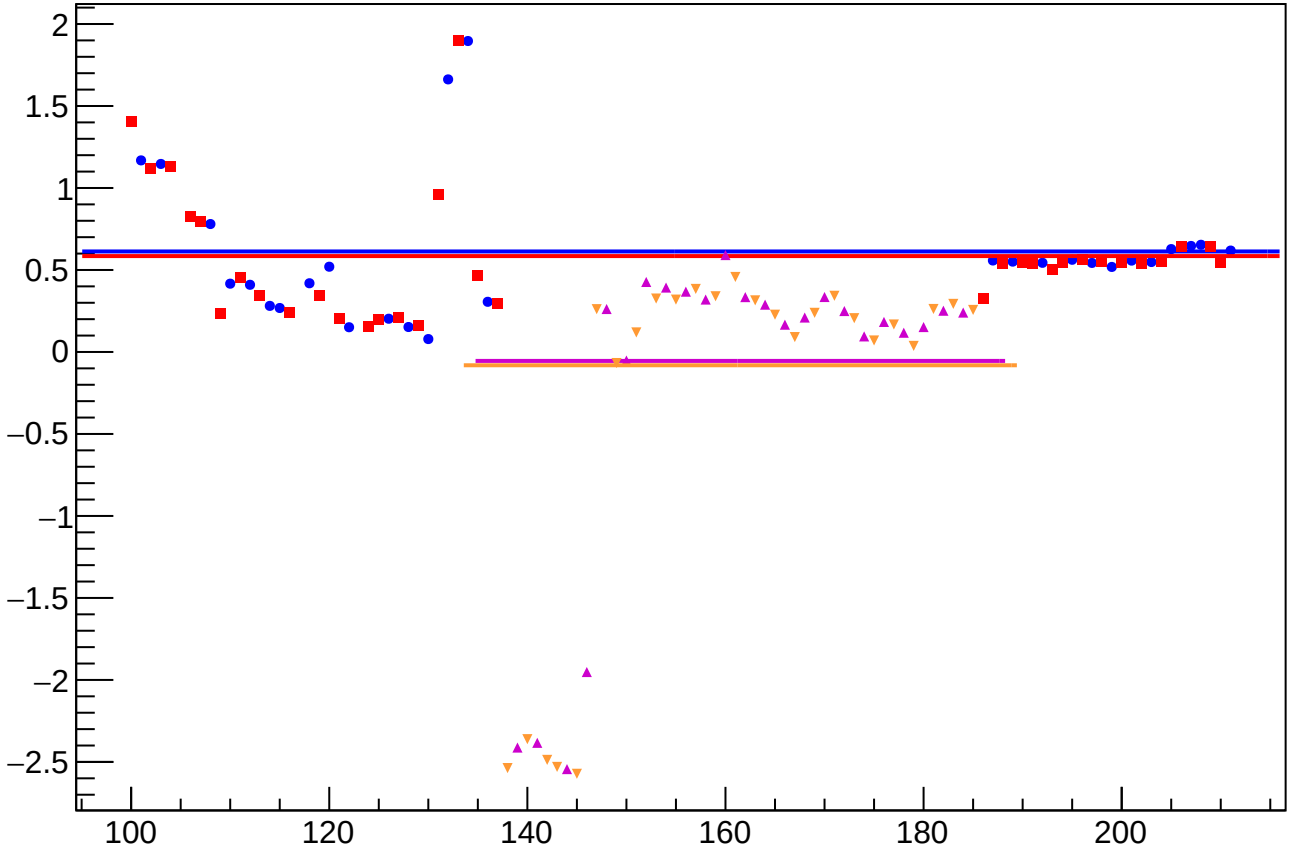
Right: 0.004+/-0.000 χ^2/NDF: 3346852.4/60

In: 0.005+/-0.000 χ^2/NDF:4493503.7/50

Out: 0.005+/-0.000 χ^2/NDF:4869223.7/57

All: 0.005+/-0.000 χ^2/NDF: 9368198.1/108

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.613+/-0.000 χ^2/NDF: 43951448399.1/27

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.585+/-0.000 χ^2/NDF: 44426326620.2/32

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

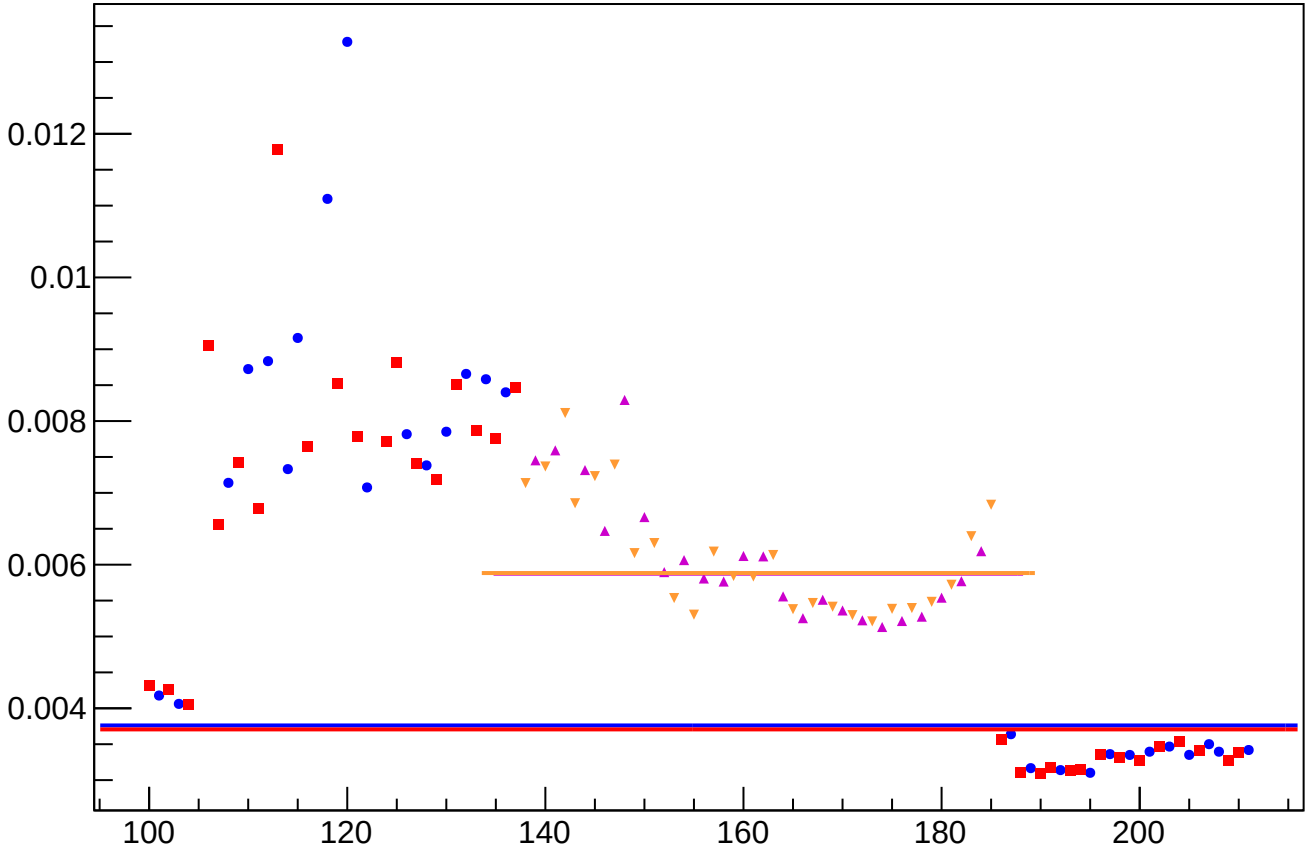
Right: 0.598+/-0.000 χ^2/NDF: 88787085090.9/60

In: 0.389+/-0.000 χ^2/NDF:534611433087.1/50

Out: 0.376+/-0.000 χ^2/NDF:586903517290.1/57

All: 0.382+/-0.000 χ^2/NDF: 1121653295812.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3484283.8/27

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3479083.1/32

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

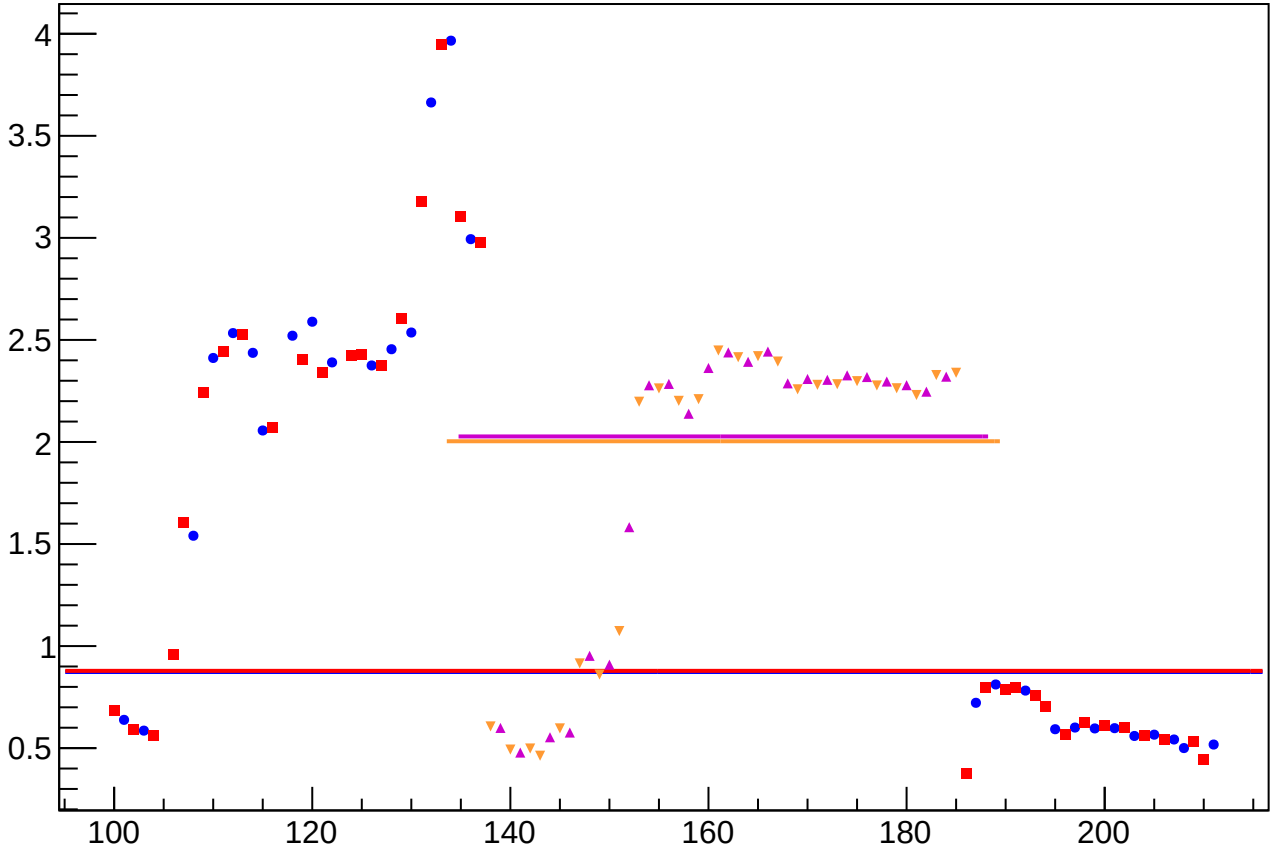
Right: 0.004+/-0.000 χ^2/NDF: 6966478.4/60

In: 0.004+/-0.000 χ^2/NDF:6885134.1/50

Out: 0.004+/-0.000 χ^2/NDF:7232674.8/57

All: 0.004+/-0.000 χ^2/NDF: 14127577.6/108

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.873+/-0.000 χ^2/NDF: 245430496887.1/27

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.879+/-0.000 χ^2/NDF: 277818290719.1/32

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

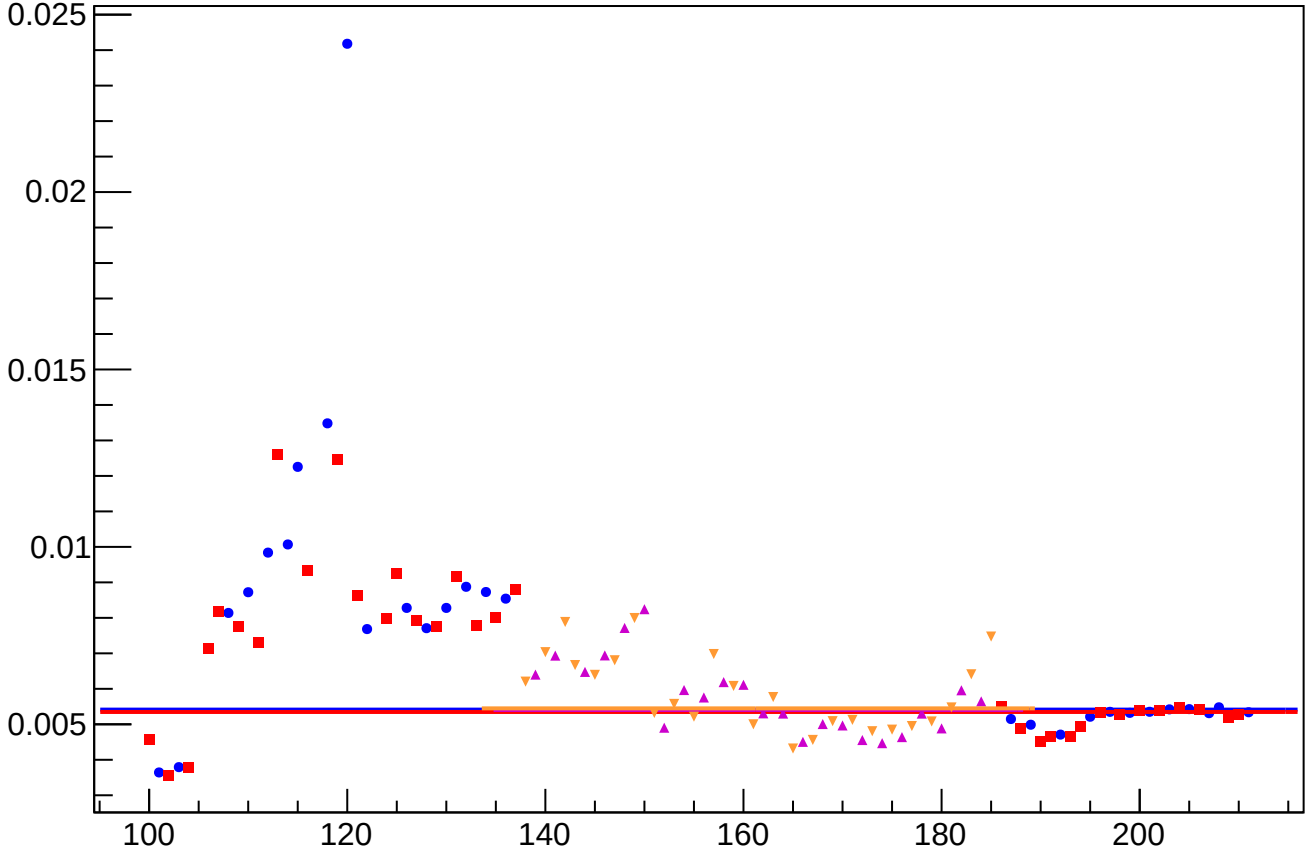
Right: 0.876+/-0.000 χ^2/NDF: 523256958045.1/60

In: 1.480+/-0.000 χ^2/NDF:775600386274.5/50

Out: 1.442+/-0.000 χ^2/NDF:845230901557.1/57

All: 1.460+/-0.000 χ^2/NDF: 1621574774840.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2308411.9/27

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2127455.1/32

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

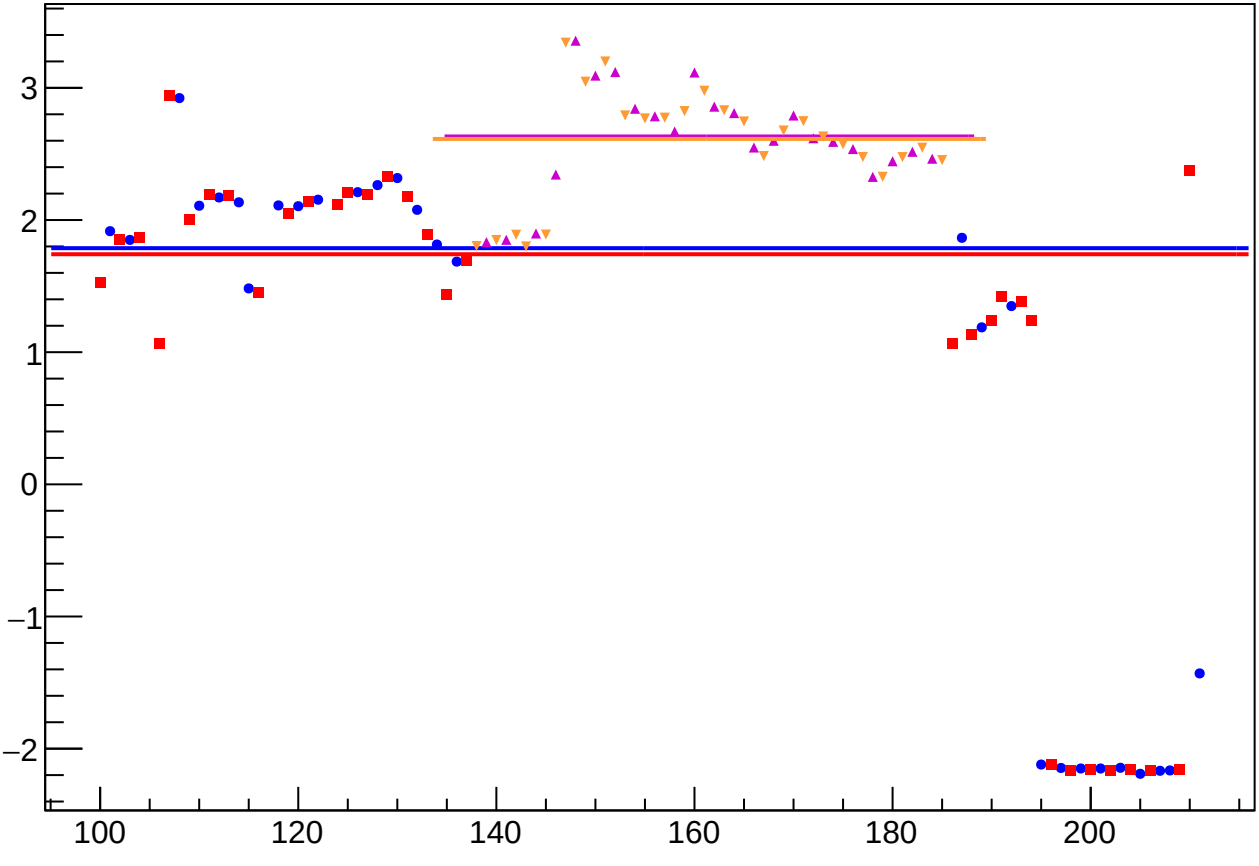
Right: 0.005+/-0.000 χ^2/NDF: 4438098.0/60

In: 0.005+/-0.000 χ^2/NDF:3123589.8/50

Out: 0.005+/-0.000 χ^2/NDF:2904489.3/57

All: 0.005+/-0.000 χ^2/NDF: 6028198.3/108

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.787+/-0.000 χ^2/NDF: 181939946604.3/27

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.741+/-0.000 χ^2/NDF: 163541585127.2/32

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

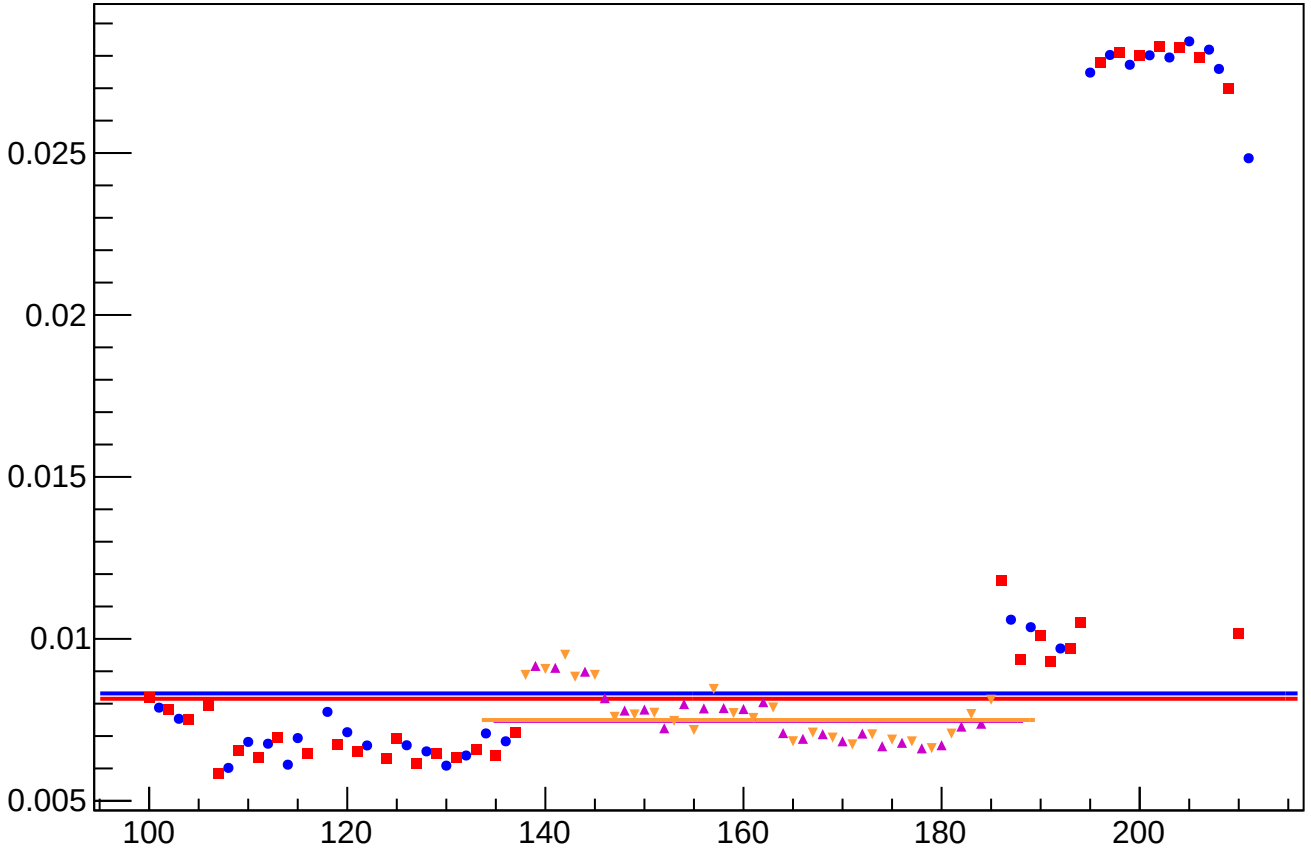
Right: 1.762+/-0.000 χ^2/NDF: 345681005816.7/60

In: 2.329+/-0.000 χ^2/NDF:301946463033.3/50

Out: 2.270+/-0.000 χ^2/NDF:306621696262.6/57

All: 2.298+/-0.000 χ^2/NDF: 609446263522.1

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8310863.0/27

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7246726.1/32

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

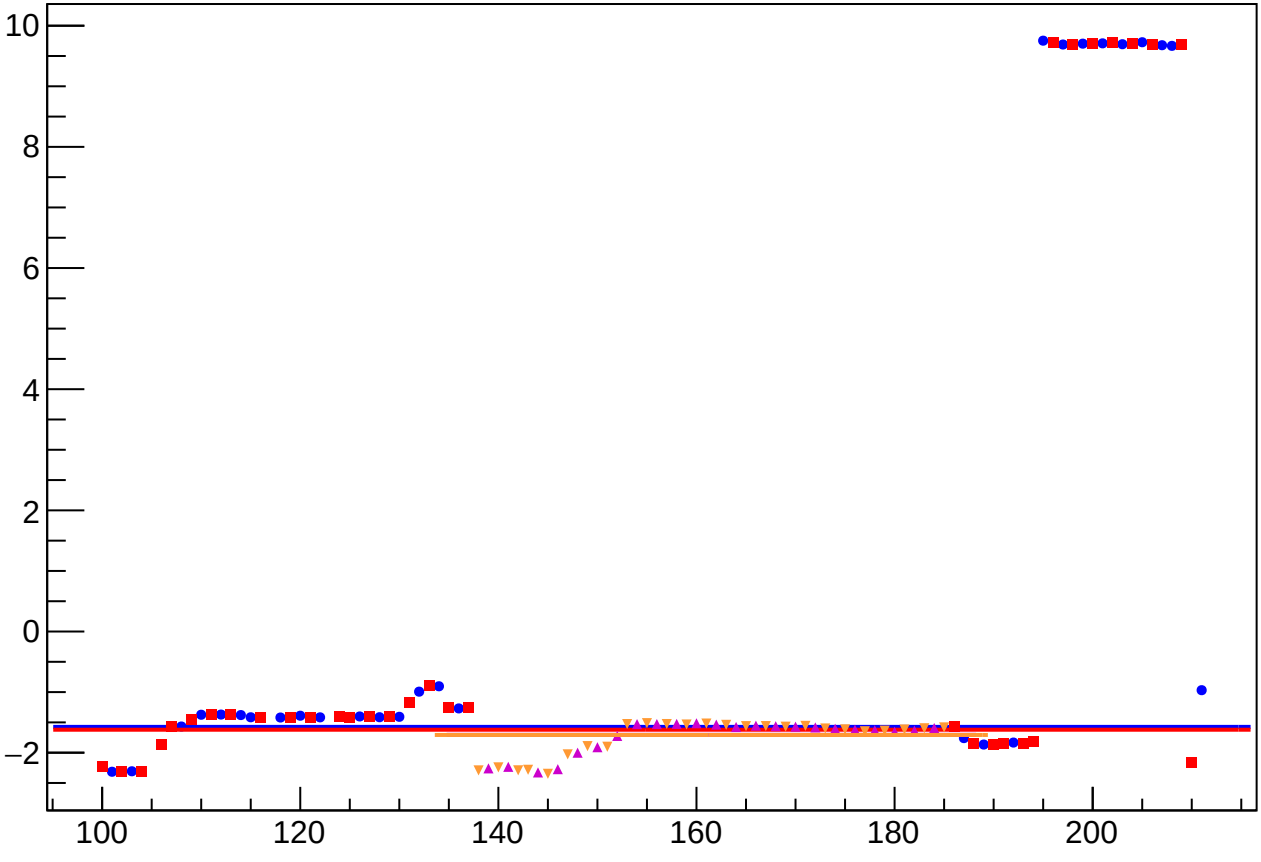
Right: 0.008+/-0.000 χ^2/NDF: 15562749.9/60

In: 0.008+/-0.000 χ^2/NDF:8792995.7/50

Out: 0.008+/-0.000 χ^2/NDF:7688816.1/57

All: 0.008+/-0.000 χ^2/NDF: 16481987.1/108

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.574+/-0.000 χ^2/NDF: 420723813086.9/27

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.621+/-0.000 χ^2/NDF: 420239951887.8/32

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

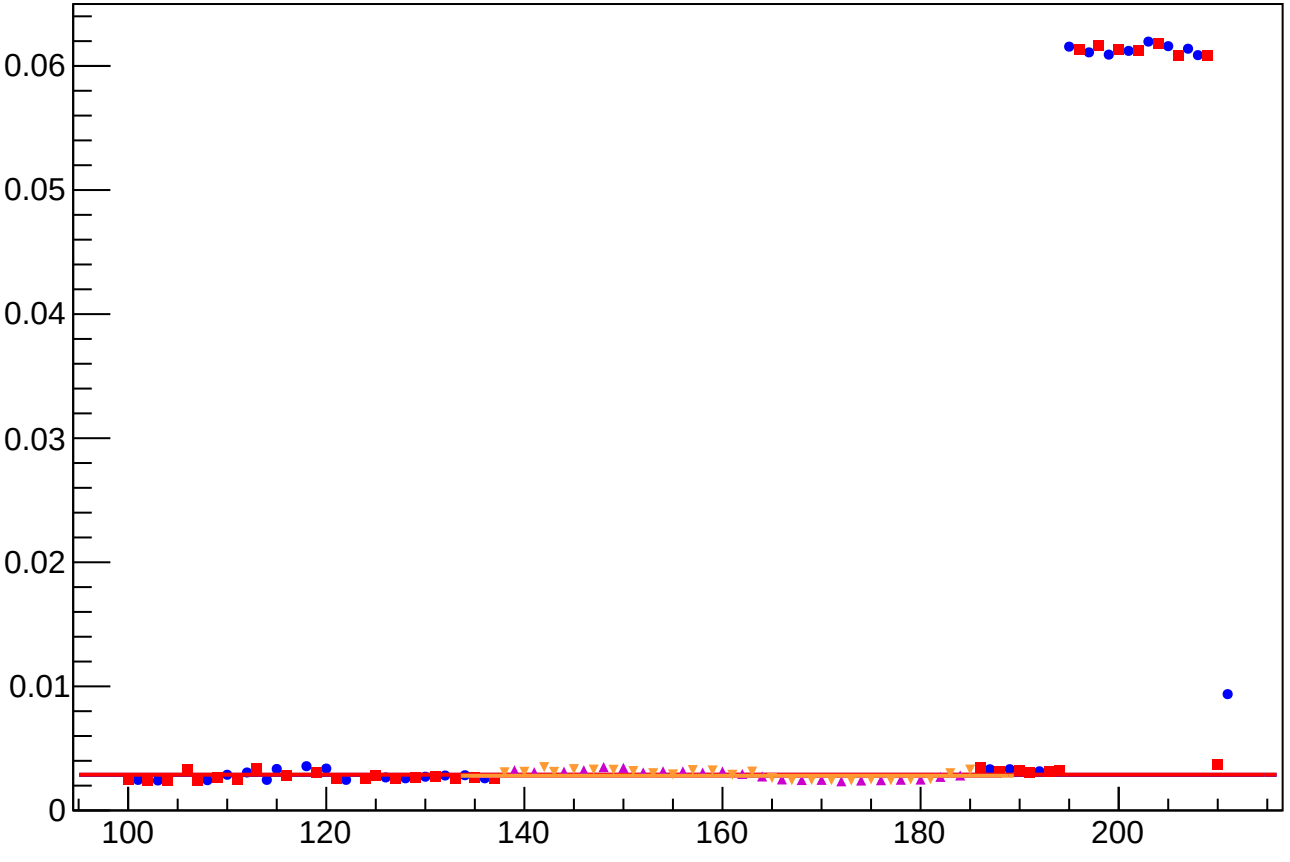
Right: -1.600+/-0.000 χ^2/NDF: 842315183175.6/60

In: -1.662+/-0.000 χ^2/NDF:569893370641.9/50

Out: -1.675+/-0.000 χ^2/NDF:578534769664.7/57

All: -1.669+/-0.000 χ^2/NDF: 1148737378117

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12991155.2/27

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11542006.2/32

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

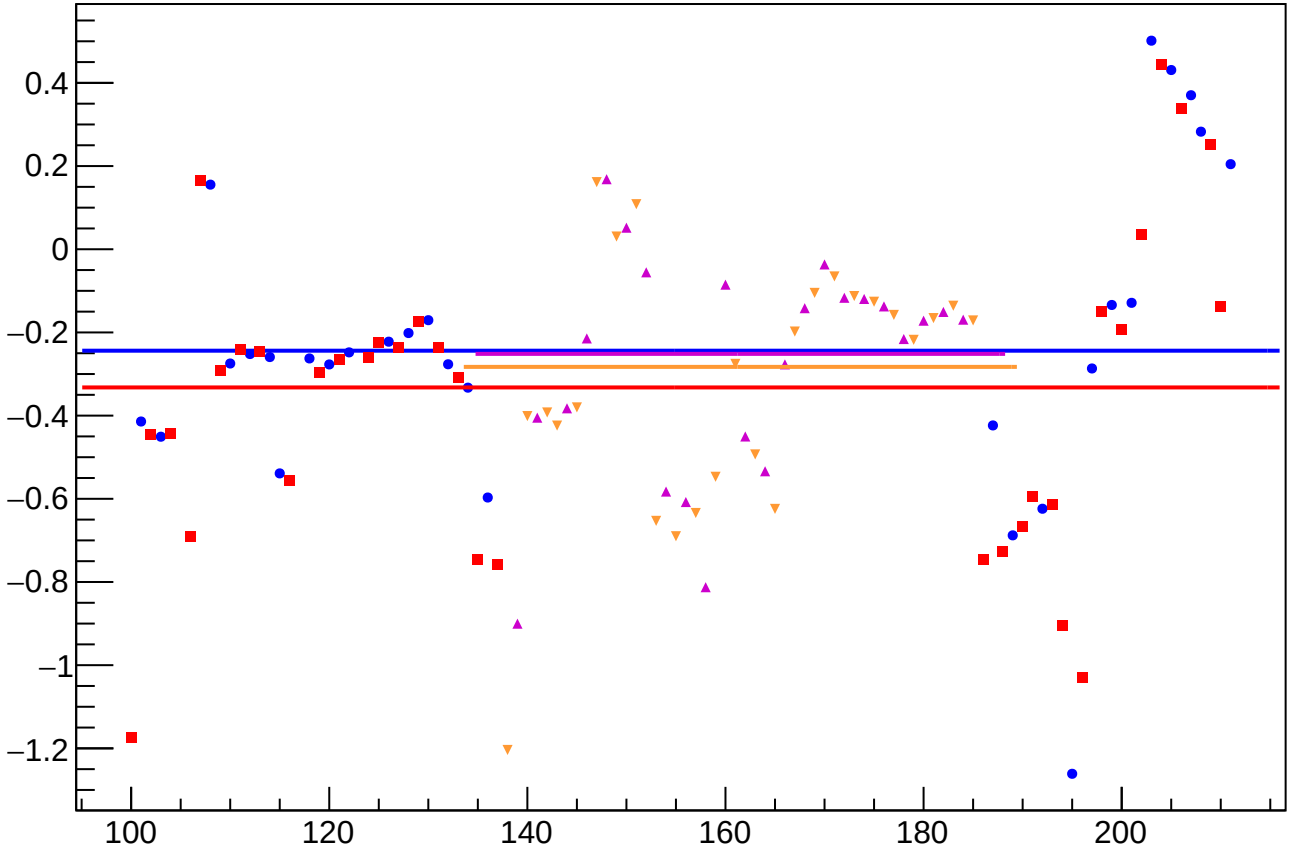
Right: 0.003+/-0.000 χ^2/NDF: 24533548.4/60

In: 0.003+/-0.000 χ^2/NDF:13558239.6/50

Out: 0.003+/-0.000 χ^2/NDF:12103097.8/57

All: 0.003+/-0.000 χ^2/NDF: 25662460.7/108

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.244+/-0.000 χ^2/NDF: 9704528510.0/27

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.332+/-0.000 χ^2/NDF: 9896698602.3/32

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

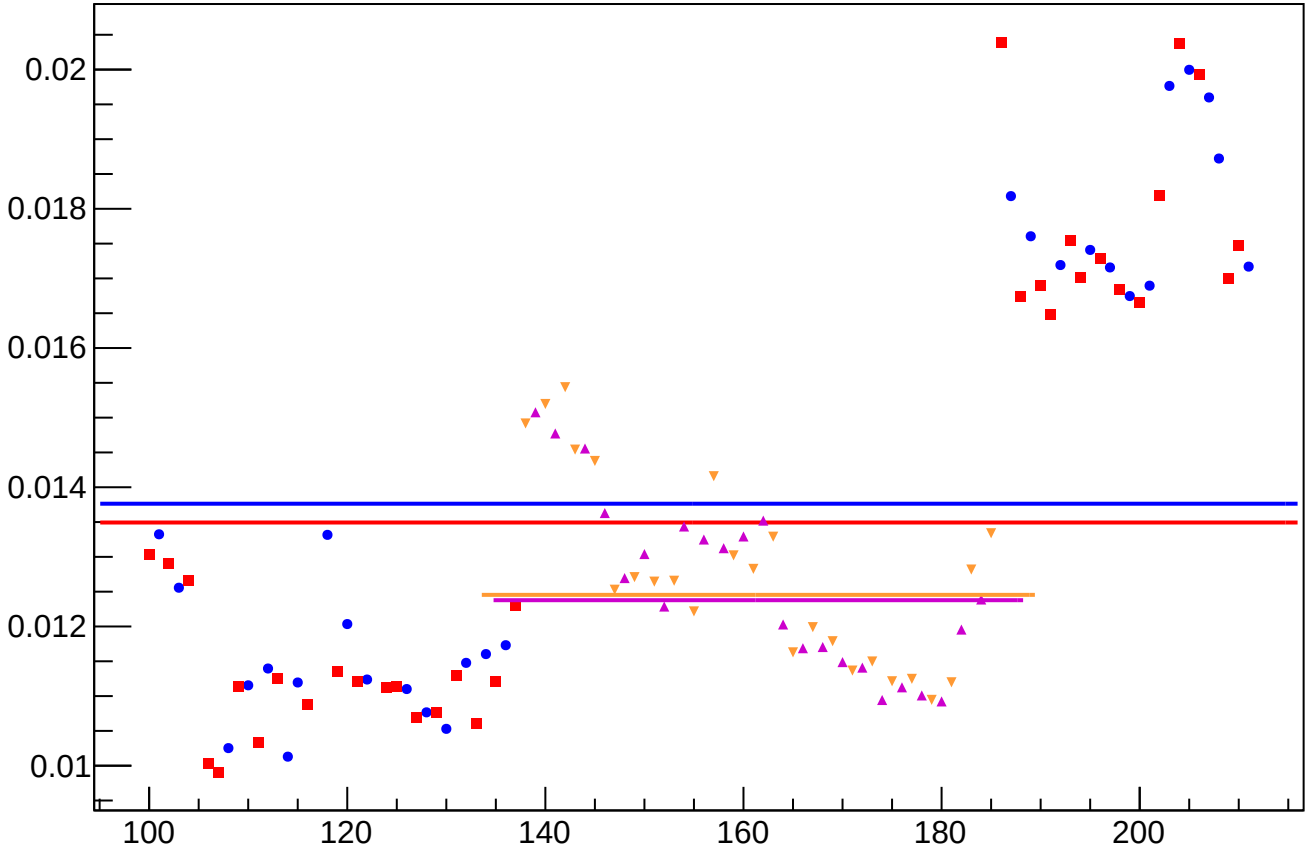
Right: -0.291+/-0.000 χ^2/NDF: 19935706743.8/60

In: -0.248+/-0.000 χ^2/NDF:16874641664.4/50

Out: -0.304+/-0.000 χ^2/NDF:19365989696.7/57

All: -0.278+/-0.000 χ^2/NDF: 36556914252.6/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1648695.1/27

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1928850.0/32

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

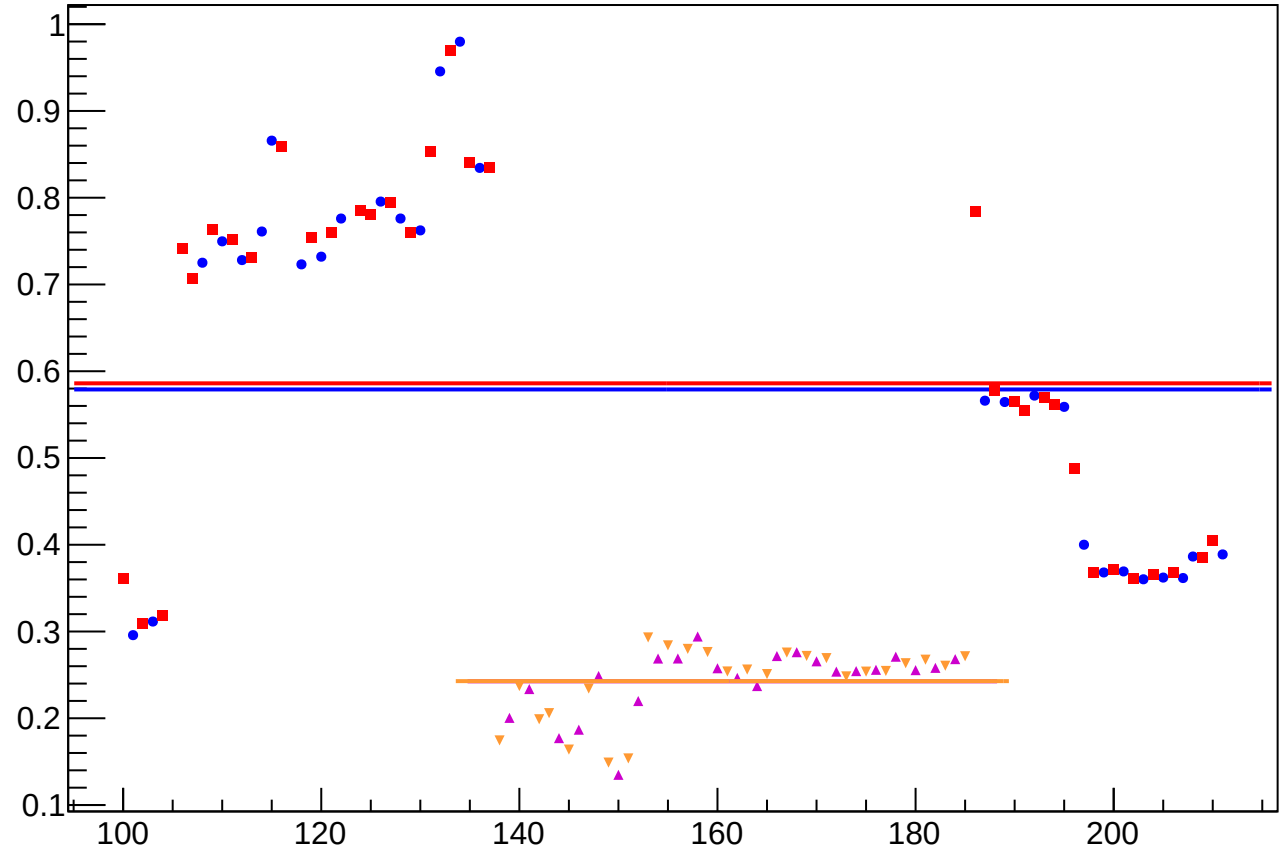
Right: 0.014+/-0.000 χ^2/NDF: 3583794.5/60

In: 0.013+/-0.000 χ^2/NDF:2156289.9/50

Out: 0.013+/-0.000 χ^2/NDF:2381539.1/57

All: 0.013+/-0.000 χ^2/NDF: 4538242.1/108

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.579+/-0.000 χ^2/NDF: 97017022890.9/27

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.586+/-0.000 χ^2/NDF: 92945905900.3/32

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

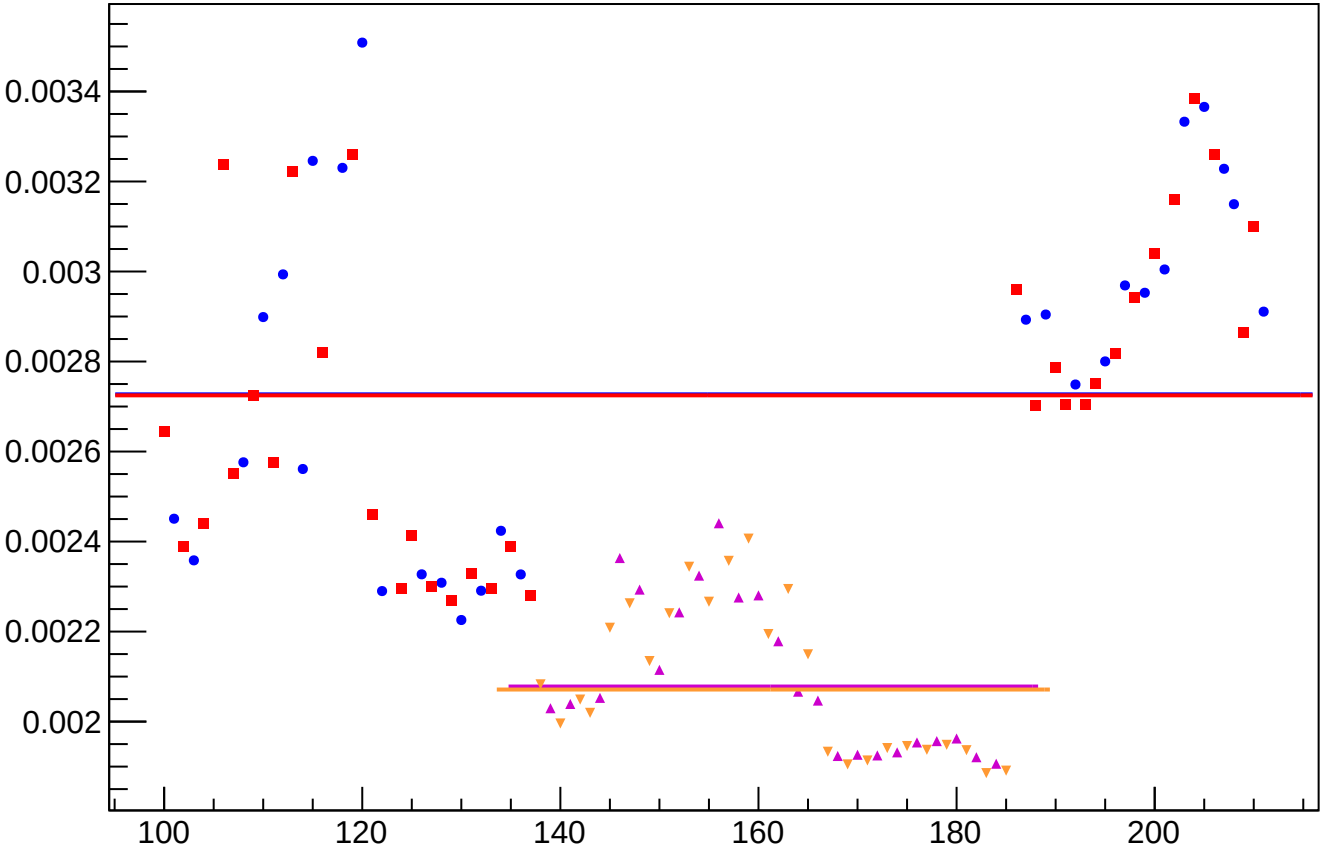
Right: 0.583+/-0.000 χ^2/NDF: 190018212232.7/60

In: 0.356+/-0.000 χ^2/NDF:262322388394.2/50

Out: 0.361+/-0.000 χ^2/NDF:280144658762.9/57

All: 0.358+/-0.000 χ^2/NDF: 542543504368.9

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 587829.1/27

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 501135.9/32

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

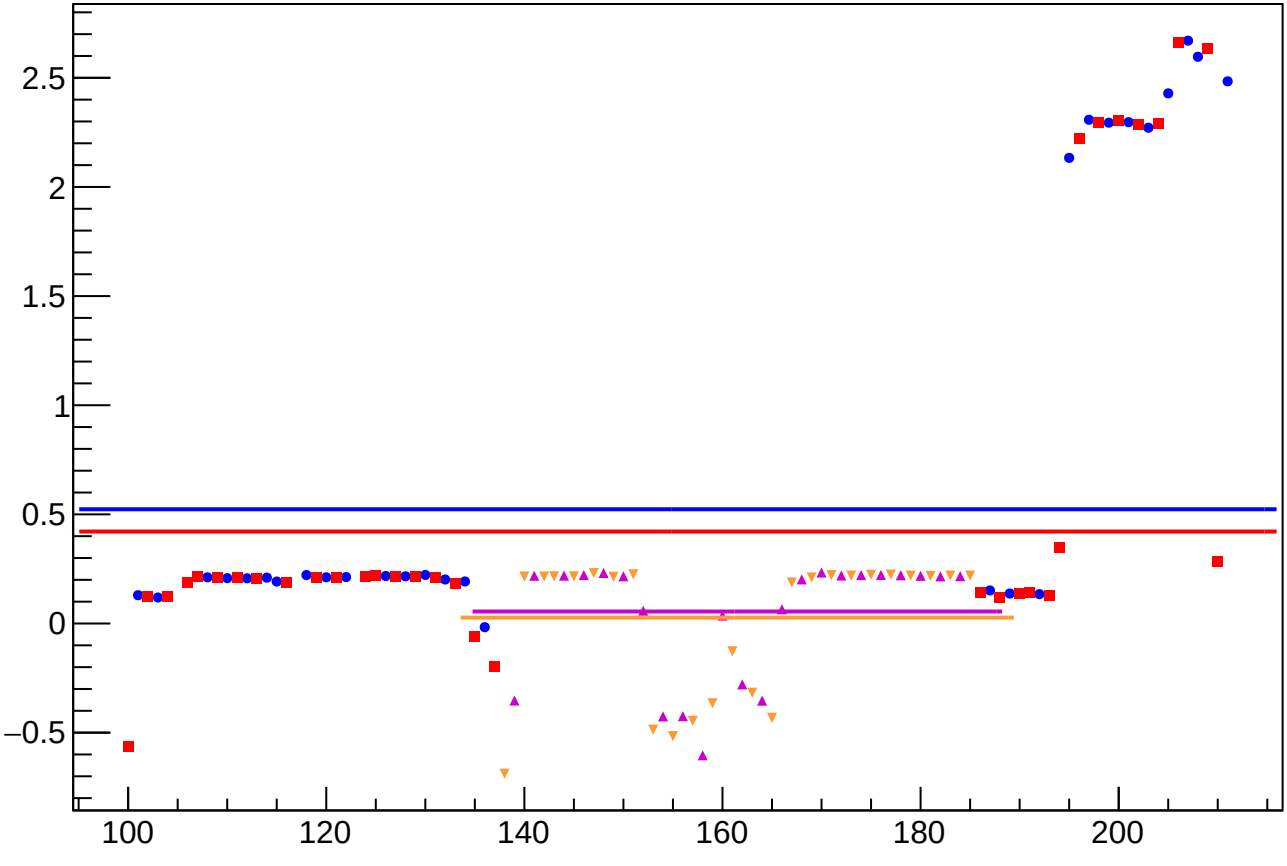
Right: 0.003+/-0.000 χ^2/NDF: 1088975.8/60

In: 0.002+/-0.000 χ^2/NDF:1987501.6/50

Out: 0.002+/-0.000 χ^2/NDF:2039760.6/57

All: 0.002+/-0.000 χ^2/NDF: 4027265.8/108

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.523+/-0.000 χ^2/NDF: 60934650287.0/27

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.421+/-0.000 χ^2/NDF: 54220950324.7/32

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

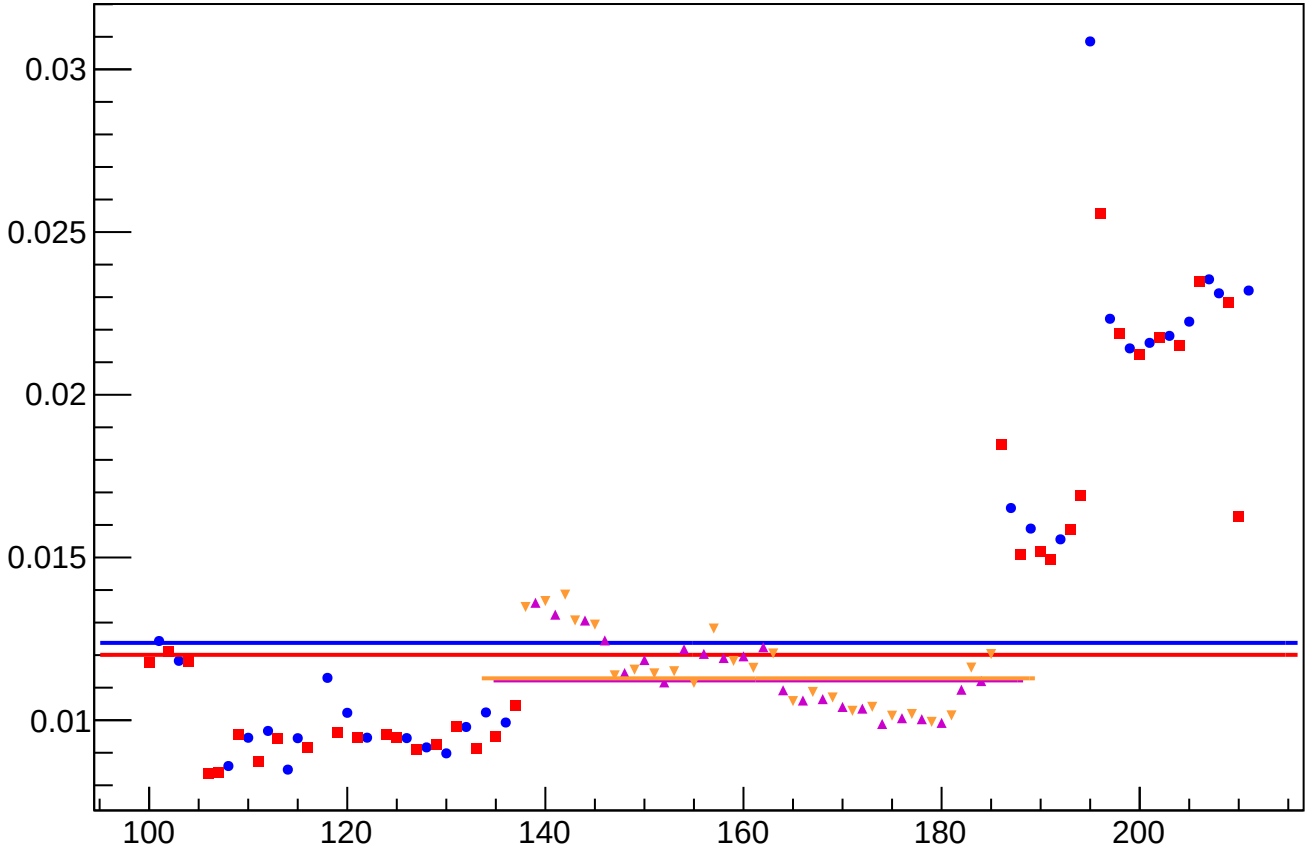
Right: 0.468+/-0.000 χ^2/NDF: 115670576462.8/60

In: 0.242+/-0.000 χ^2/NDF:82690801247.2/50

Out: 0.196+/-0.000 χ^2/NDF:76764640729.6/57

All: 0.218+/-0.000 χ^2/NDF: 159705778556.2

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 4517557.4/27

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4316036.5/32

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

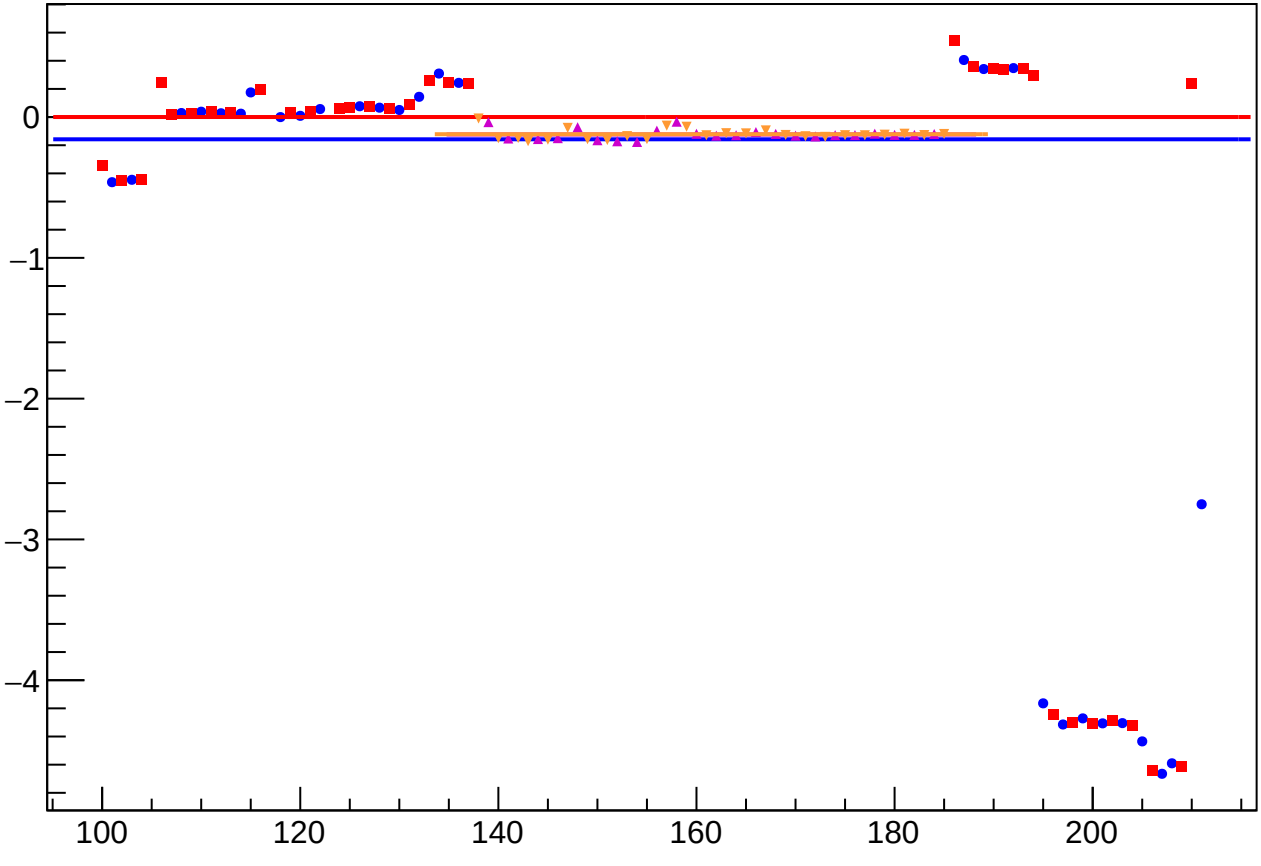
Right: 0.012+/-0.000 χ^2/NDF: 8846941.4/60

In: 0.012+/-0.000 χ^2/NDF:4978918.5/50

Out: 0.012+/-0.000 χ^2/NDF:4708487.9/57

All: 0.012+/-0.000 χ^2/NDF: 9689205.6/108

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.158+/-0.000 χ^2/NDF: 411885366491.0/27

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 392828507947.8/32

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

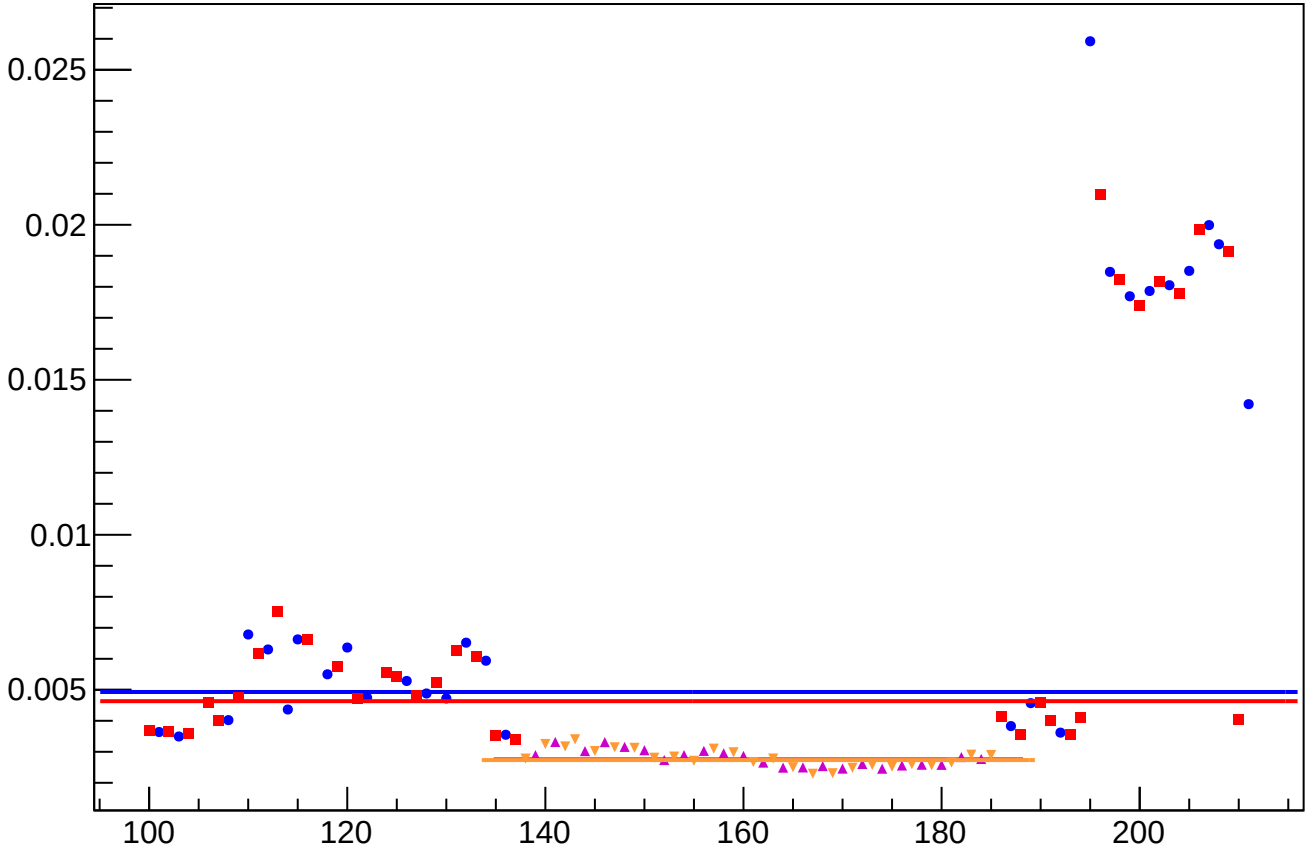
Right: -0.067+/-0.000 χ^2/NDF: 811139986046.2/60

In: -0.129+/-0.000 χ^2/NDF:415133888637.3/50

Out: -0.098+/-0.000 χ^2/NDF:402947023829.8/57

All: -0.113+/-0.000 χ^2/NDF: 819511194883.0

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 9278033.1/27

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8006125.6/32

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

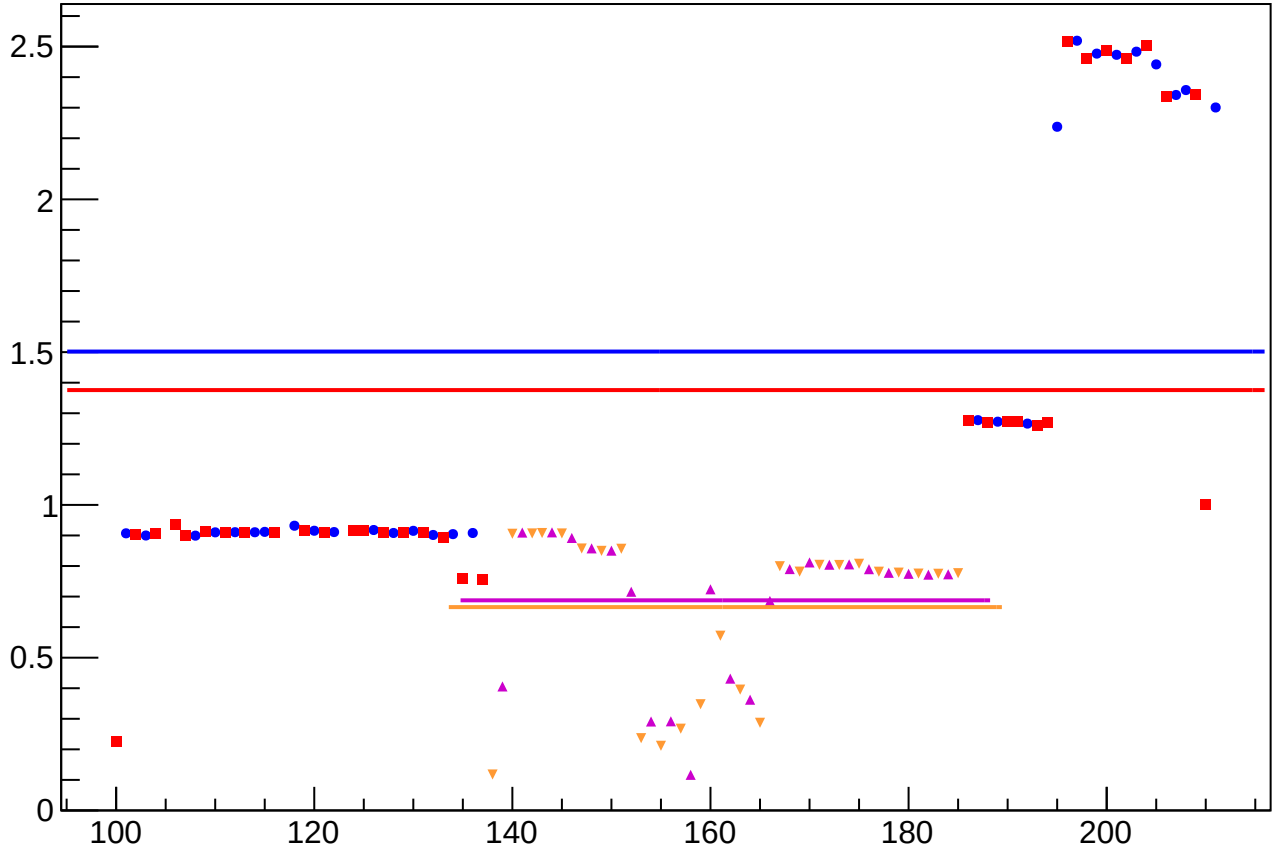
Right: 0.005+/-0.000 χ^2/NDF: 17329397.0/60

In: 0.003+/-0.000 χ^2/NDF:13111394.1/50

Out: 0.003+/-0.000 χ^2/NDF:11880788.5/57

All: 0.003+/-0.000 χ^2/NDF: 24992309.7/108

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.502+/-0.000 χ^2/NDF: 52675403789.6/27

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.376+/-0.000 χ^2/NDF: 51895209706.1/32

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

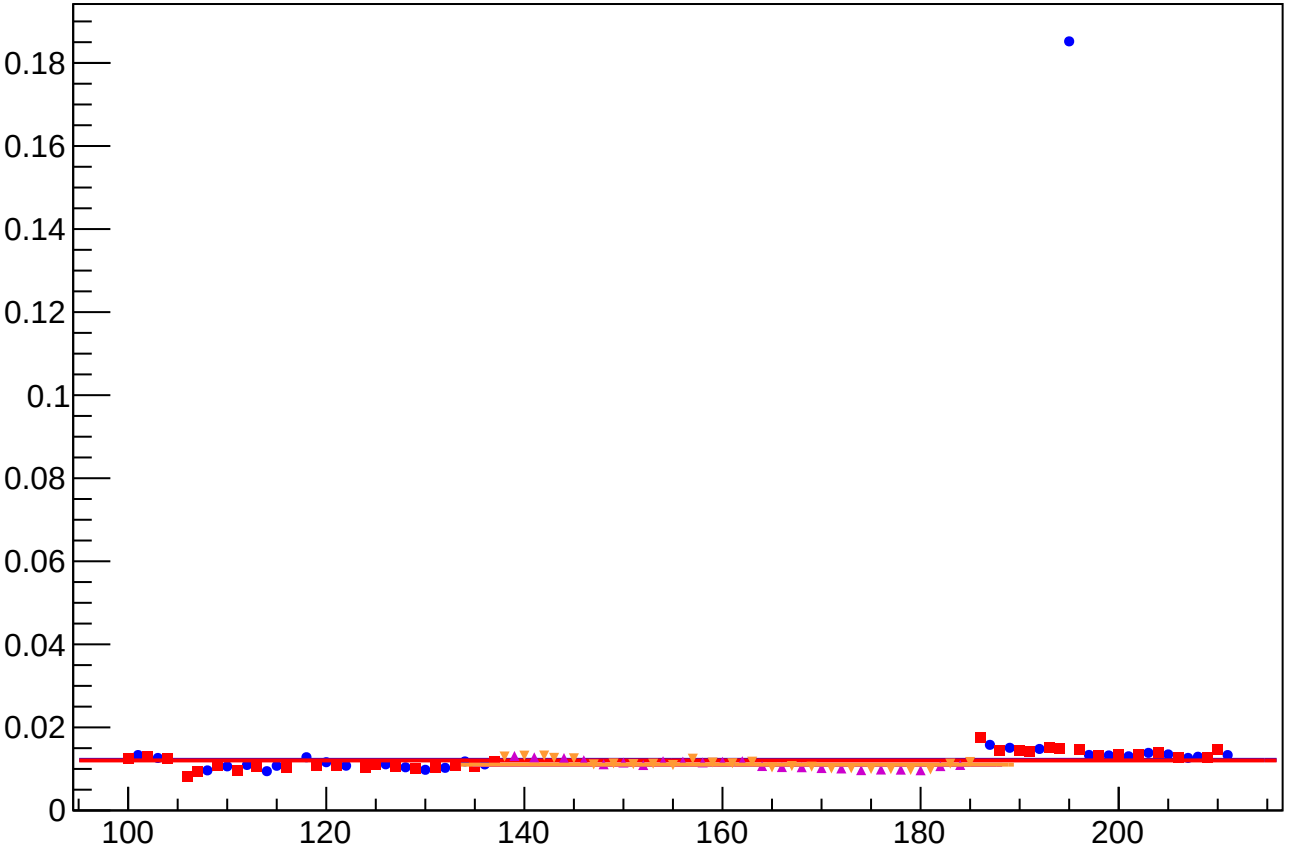
Right: 1.435+/-0.000 χ^2/NDF: 105429117117.6/60

In: 1.024+/-0.000 χ^2/NDF:99354393722.2/50

Out: 0.972+/-0.000 χ^2/NDF:94052568114.4/57

All: 0.997+/-0.000 χ^2/NDF: 193748293631.7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2018977.8/27

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 842946.3/32

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

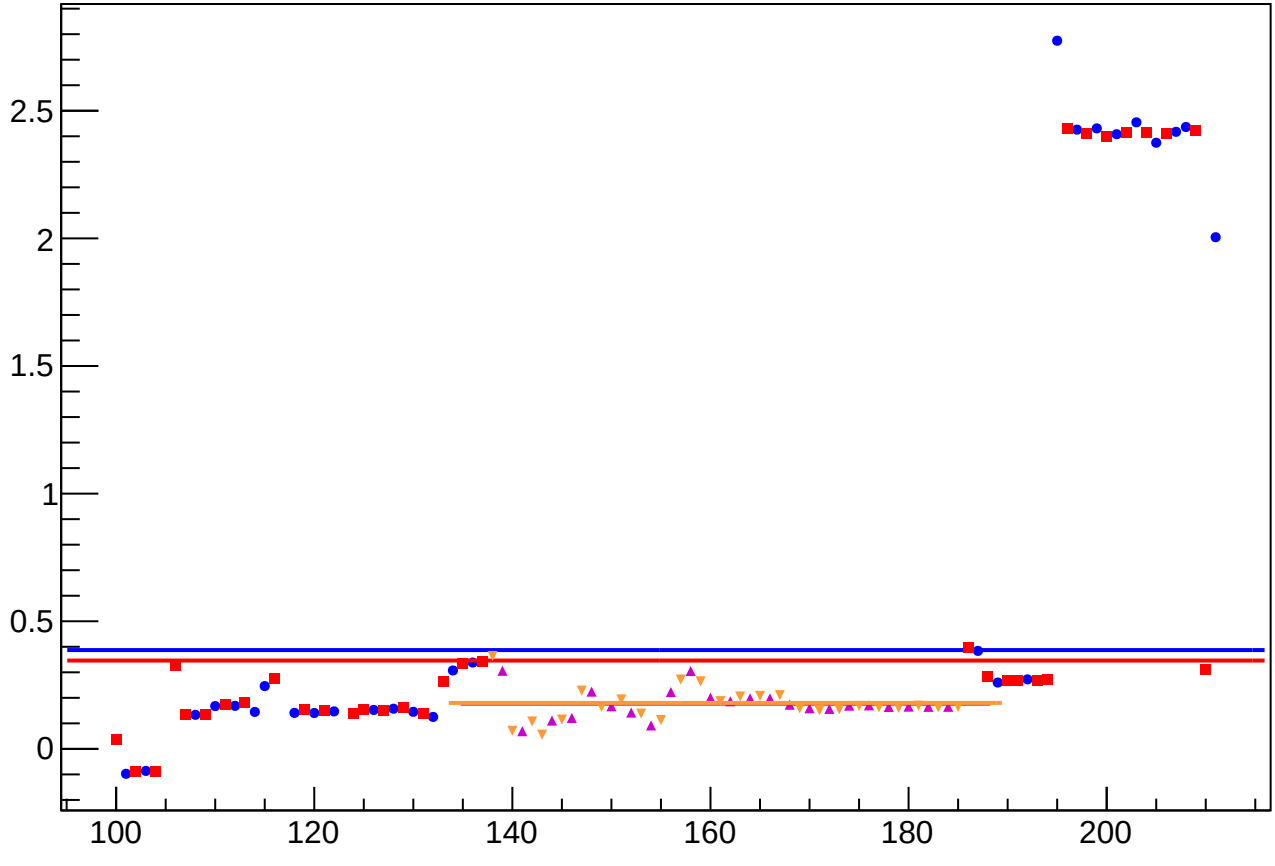
Right: 0.012+/-0.000 χ^2/NDF: 2863859.4/60

In: 0.011+/-0.000 χ^2/NDF:2483902.7/50

Out: 0.011+/-0.000 χ^2/NDF:1278053.2/57

All: 0.011+/-0.000 χ^2/NDF: 3761956.5/108

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.387+/-0.000 χ^2/NDF: 190915327402.4/27

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.346+/-0.000 χ^2/NDF: 163384257453.3/32

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

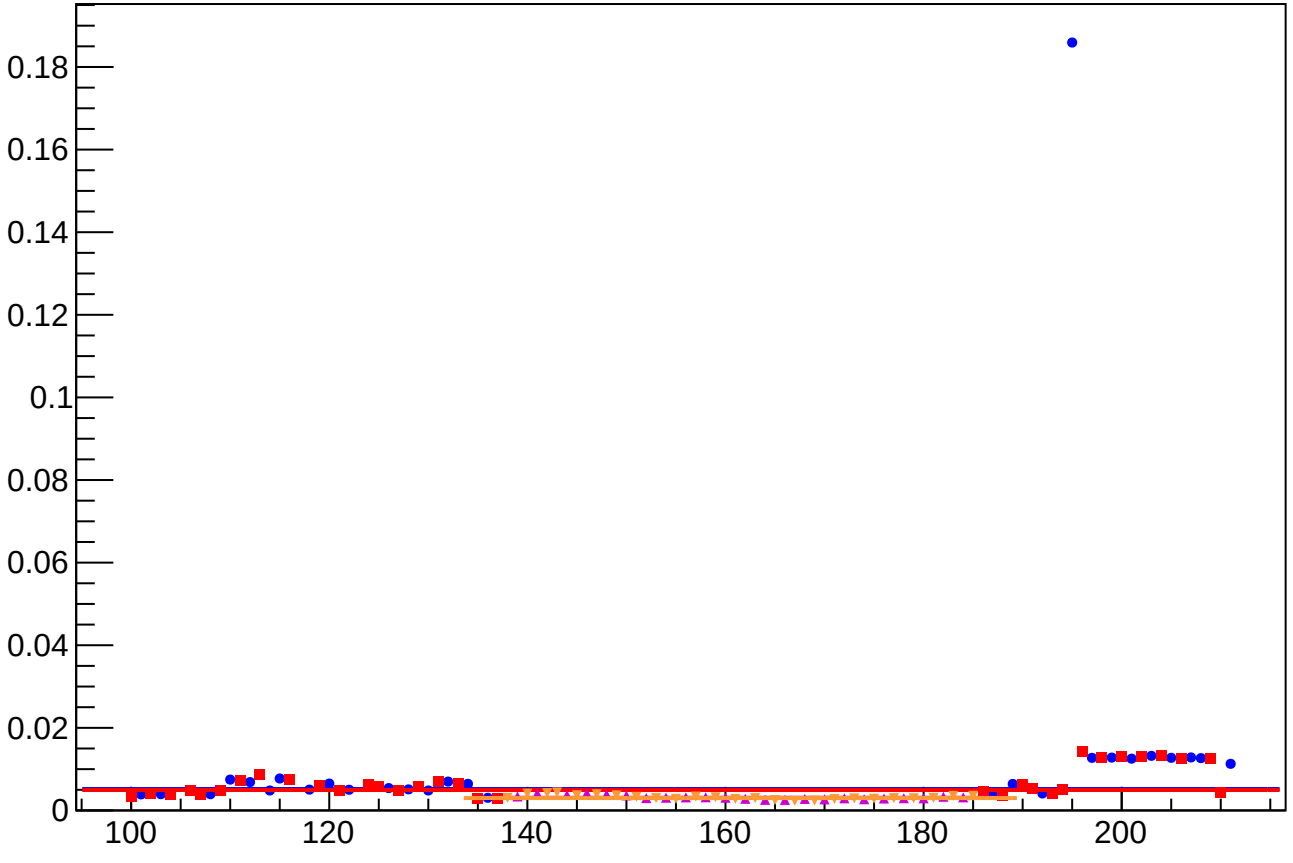
Right: 0.364+/-0.000 χ^2/NDF: 354696973871.3/60

In: 0.218+/-0.000 χ^2/NDF:210599467965.3/50

Out: 0.216+/-0.000 χ^2/NDF:181380519227.2/57

All: 0.217+/-0.000 χ^2/NDF: 391985039570.7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7761141.8/27

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5914399.4/32

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

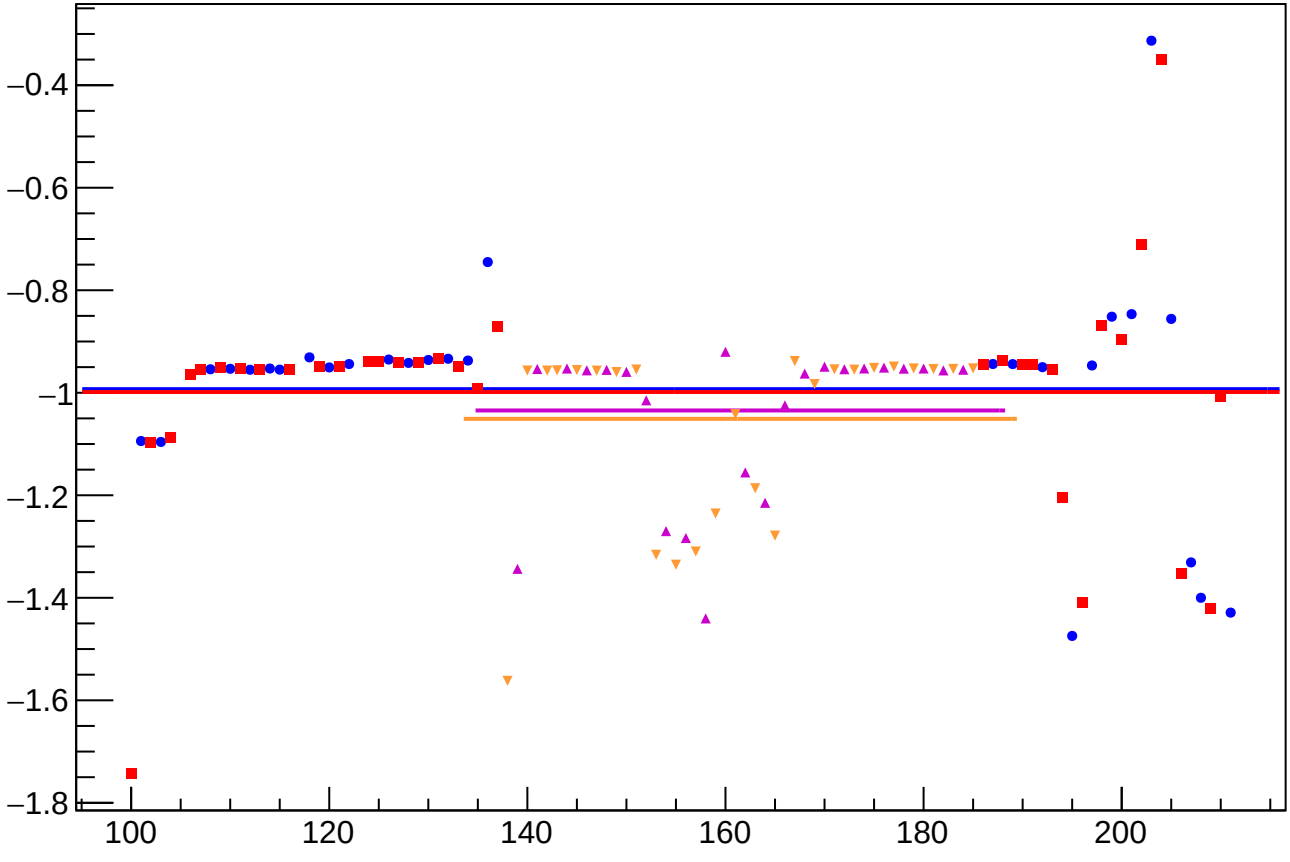
Right: 0.005+/-0.000 χ^2/NDF: 13700272.1/60

In: 0.003+/-0.000 χ^2/NDF:11379792.8/50

Out: 0.003+/-0.000 χ^2/NDF:9983916.1/57

All: 0.003+/-0.000 χ^2/NDF: 21372340.0/108

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.993+/-0.000 χ^2/NDF: 5814945109.3/27

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.998+/-0.000 χ^2/NDF: 5025580905.1/32

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

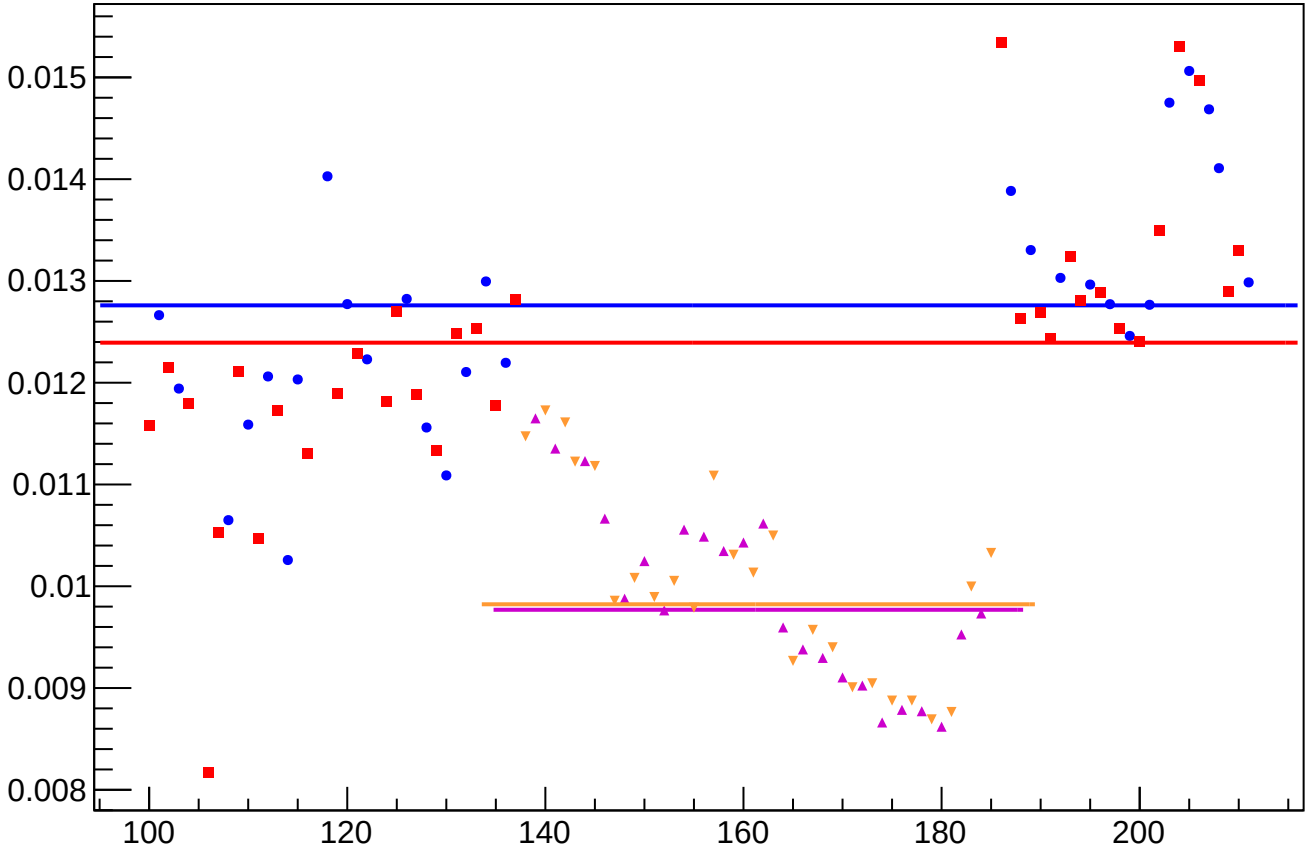
Right: -0.996+/-0.000 χ^2/NDF: 10842100091.1/60

In: -1.020+/-0.000 χ^2/NDF:9850967044.1/50

Out: -1.031+/-0.000 χ^2/NDF:10303234908.8/57

All: -1.026+/-0.000 χ^2/NDF: 20172870809.8/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 230516.7/27

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 415274.1/32

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

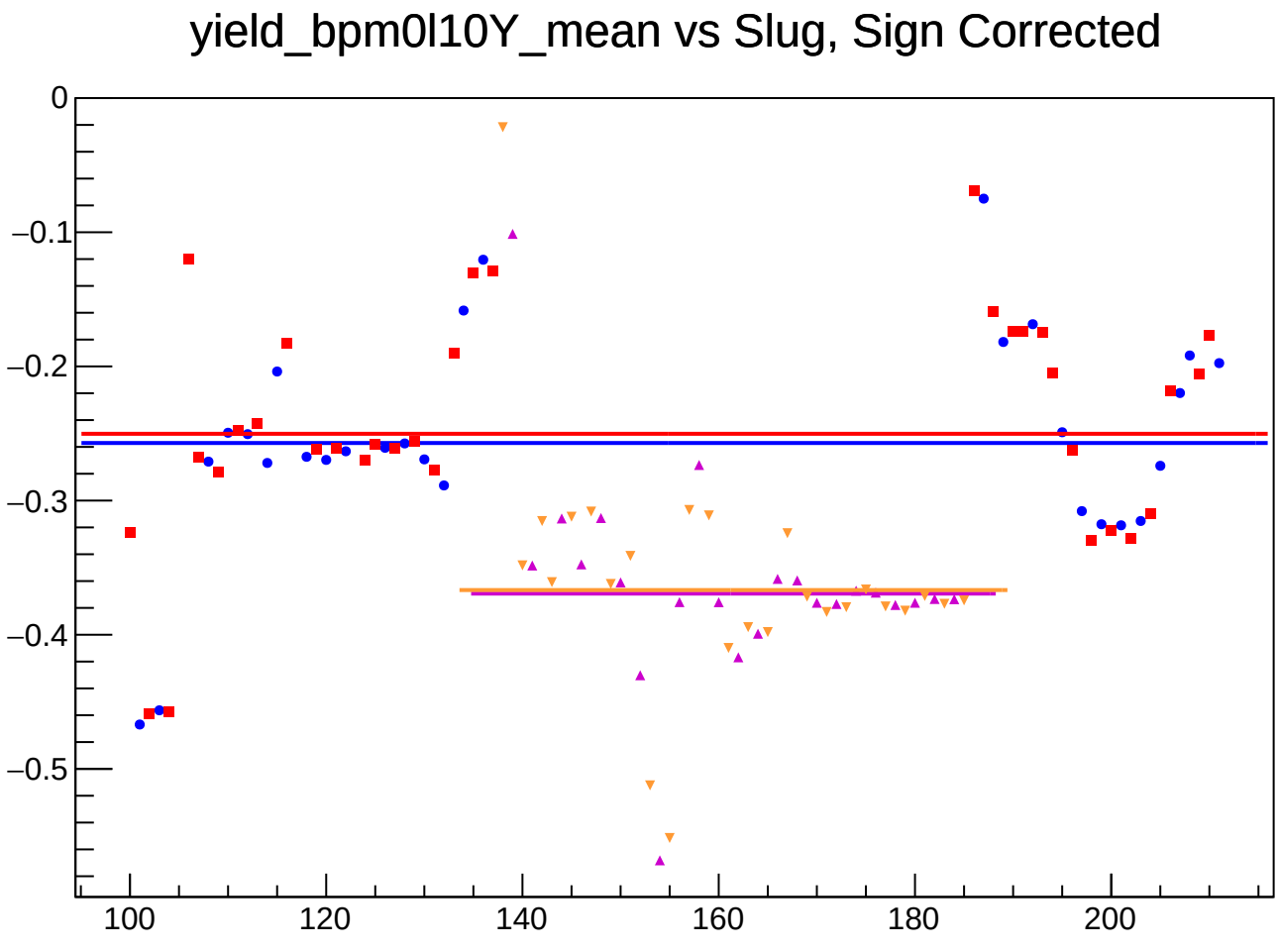
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

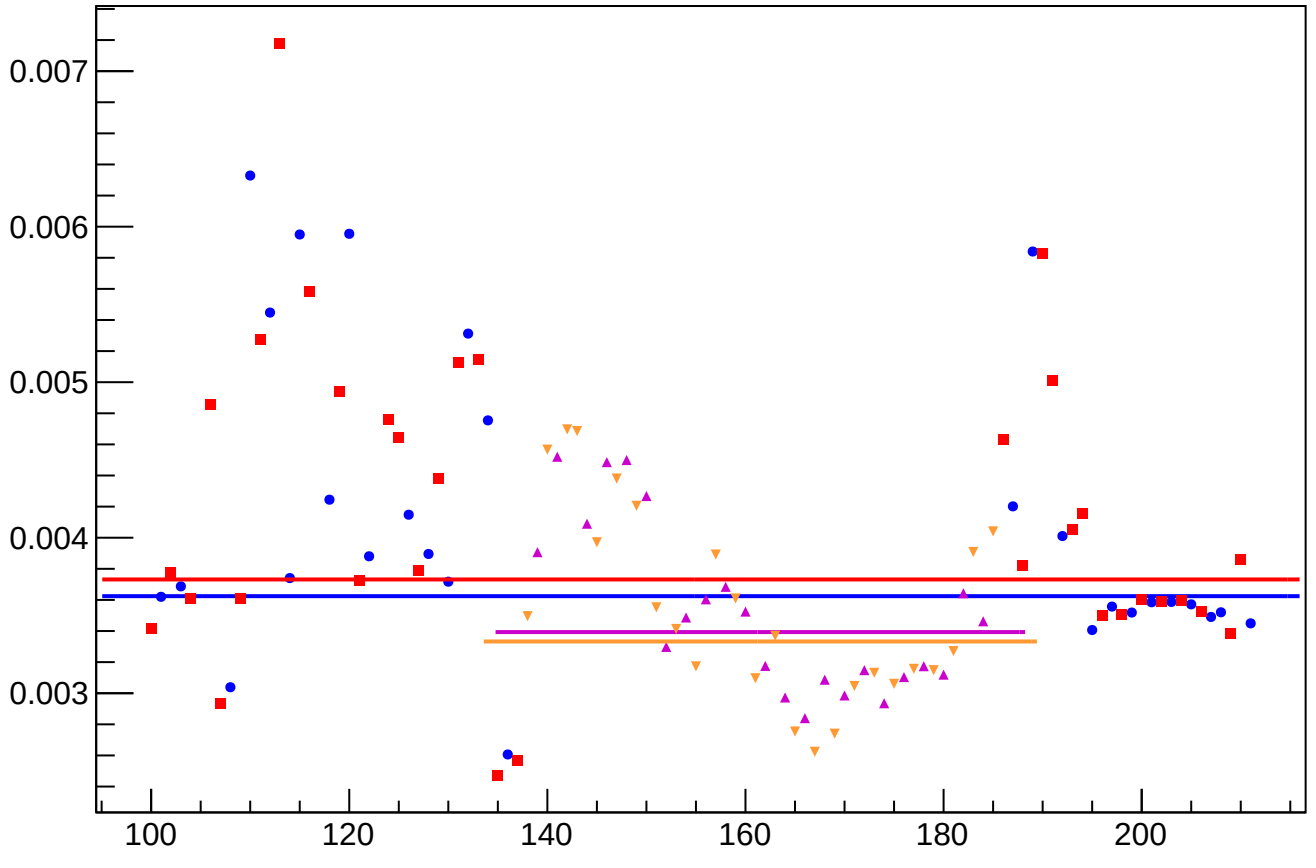
Right: 0.013+/-0.000 χ^2/NDF: 659903.8/60

In: 0.011+/-0.000 χ^2/NDF:1654607.2/50

Out: 0.011+/-0.000 χ^2/NDF:1650020.3/57

All: 0.011+/-0.000 χ^2/NDF: 3304891.0/108


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
Right In: -0.257+/-0.000 χ²/NDF: 8463305905.8/27
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.250+/-0.000 χ²/NDF: 8792543820.8/32
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.254+/-0.000 χ²/NDF: 17282862865.1/60
In: -0.320+/-0.000 χ²/NDF:24007713891.7/50
Out: -0.317+/-0.000 χ²/NDF:29815136428.9/57
All: -0.319+/-0.000 χ²/NDF: 53832604141.1/



Right In: 0.004+/-0.000 χ^2/NDF: 913561.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1111333.6/32

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

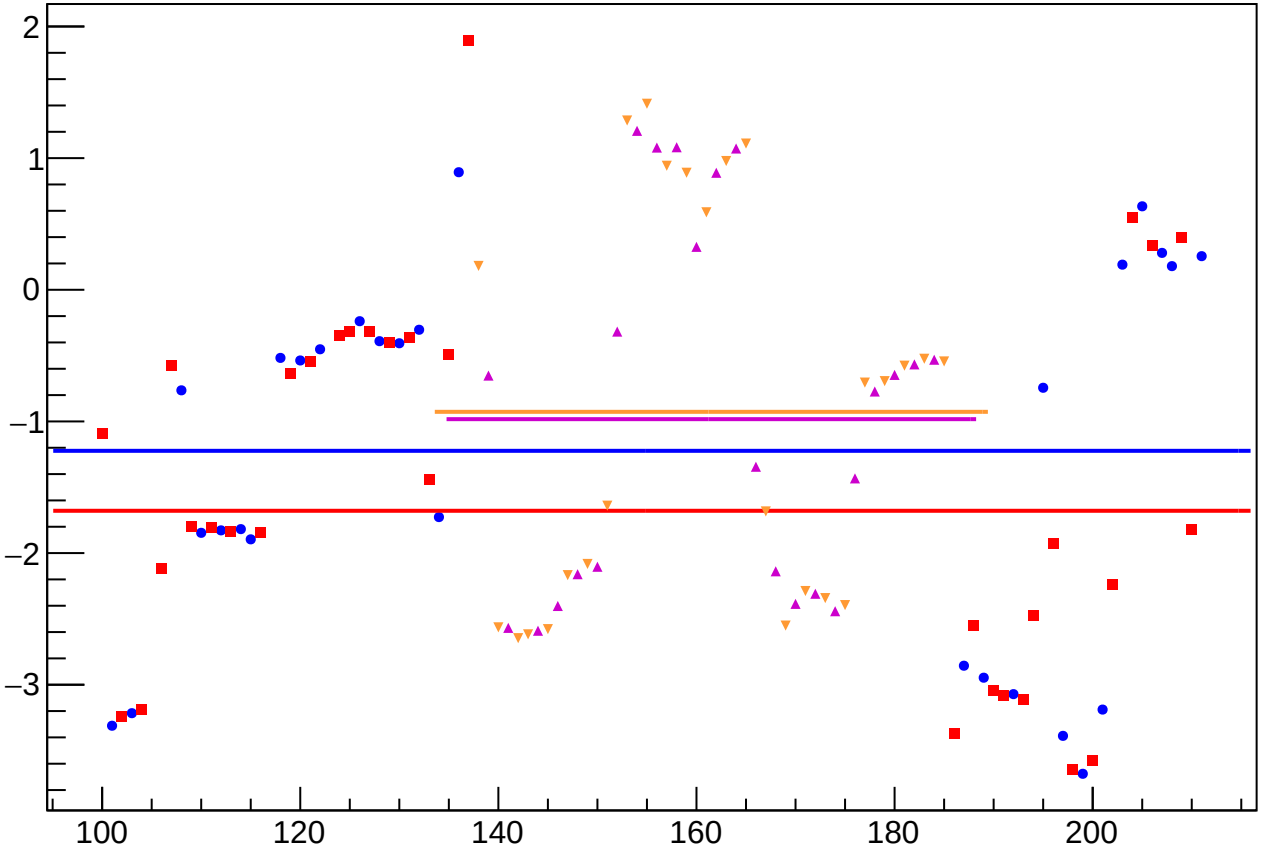
Right: 0.004+/-0.000 χ^2/NDF: 2038087.0/60

In: 0.003+/-0.000 χ^2/NDF:1614543.6/50

Out: 0.004+/-0.000 χ^2/NDF:2181871.1/57

All: 0.003+/-0.000 χ^2/NDF: 3796546.9/108

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.223+/-0.000 χ^2/NDF: 6903768992.8/27

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.679+/-0.000 χ^2/NDF: 5990190013.3/32

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

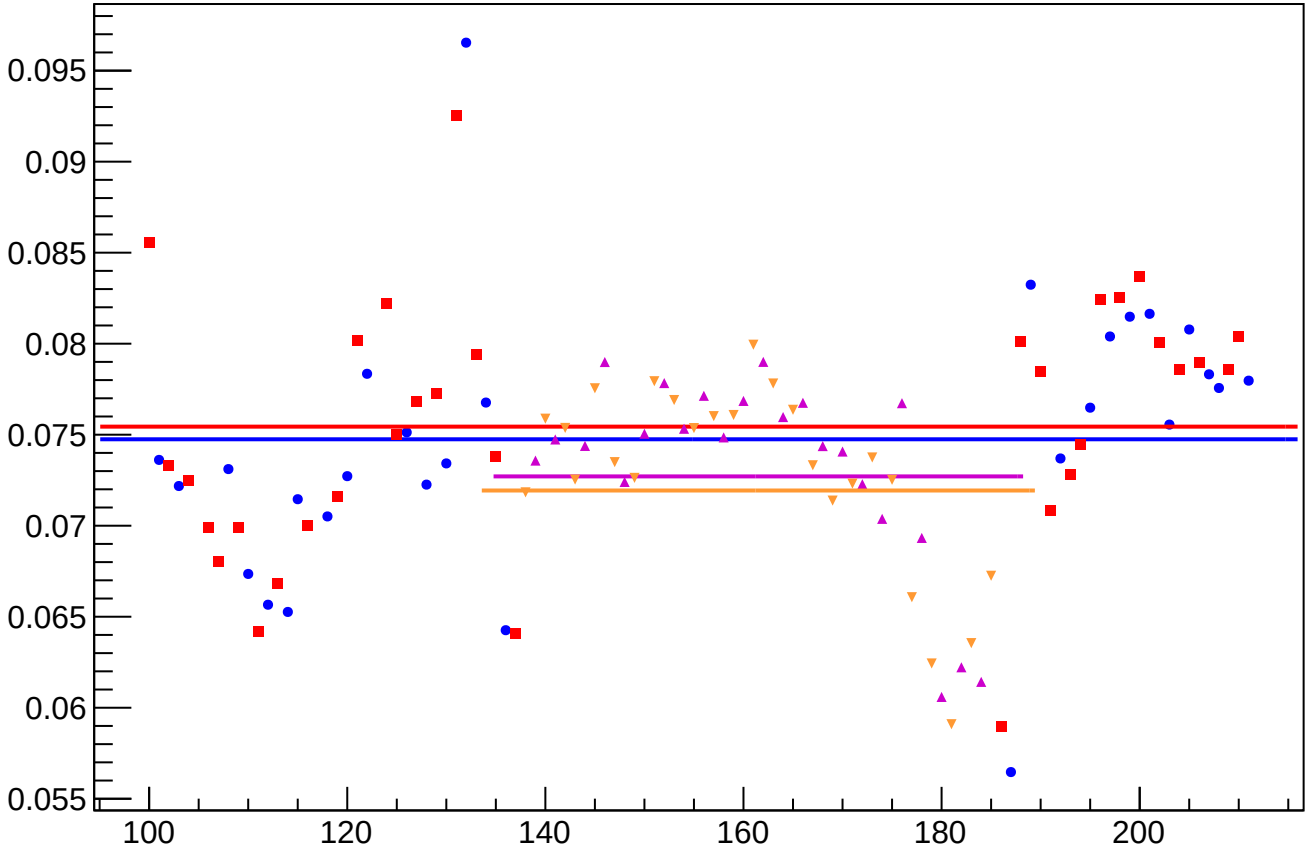
Right: -1.459+/-0.000 χ^2/NDF: 13205988828.0/60

In: -1.094+/-0.000 χ^2/NDF:12913206688.9/50

Out: -1.273+/-0.000 χ^2/NDF:14191382501.4/57

All: -1.187+/-0.000 χ^2/NDF: 27209090053.5/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 227644.1/27

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 253630.3/32

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

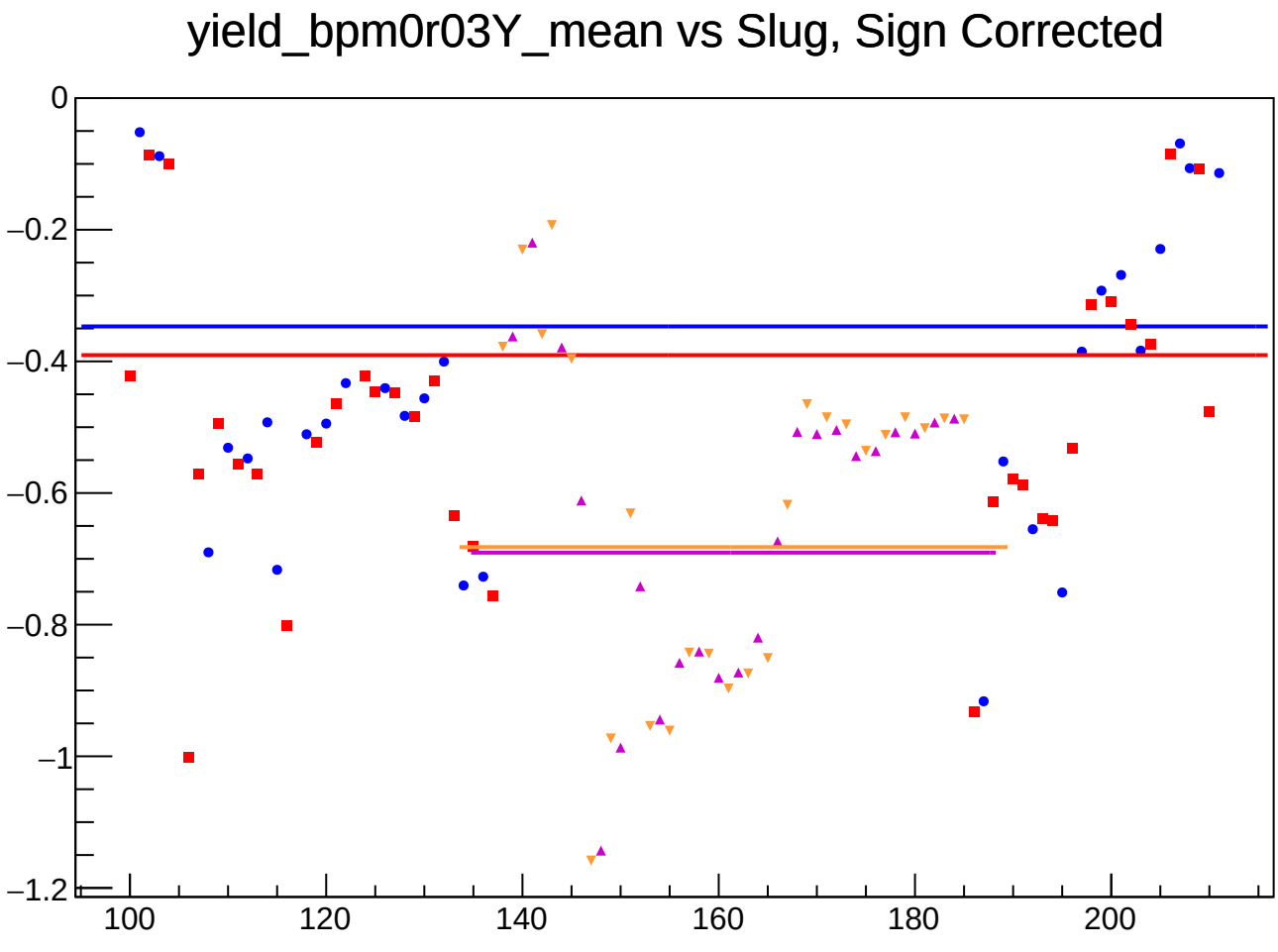
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 482726.9/60

In: 0.074+/-0.000 χ^2/NDF:437657.3/50

Out: 0.074+/-0.000 χ^2/NDF:530670.7/57

All: 0.074+/-0.000 χ^2/NDF: 968396.6/108



Right In: -0.347+/-0.000 χ^2/NDF: 13046936034.3/27

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.391+/-0.000 χ^2/NDF: 10940080889.7/32

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

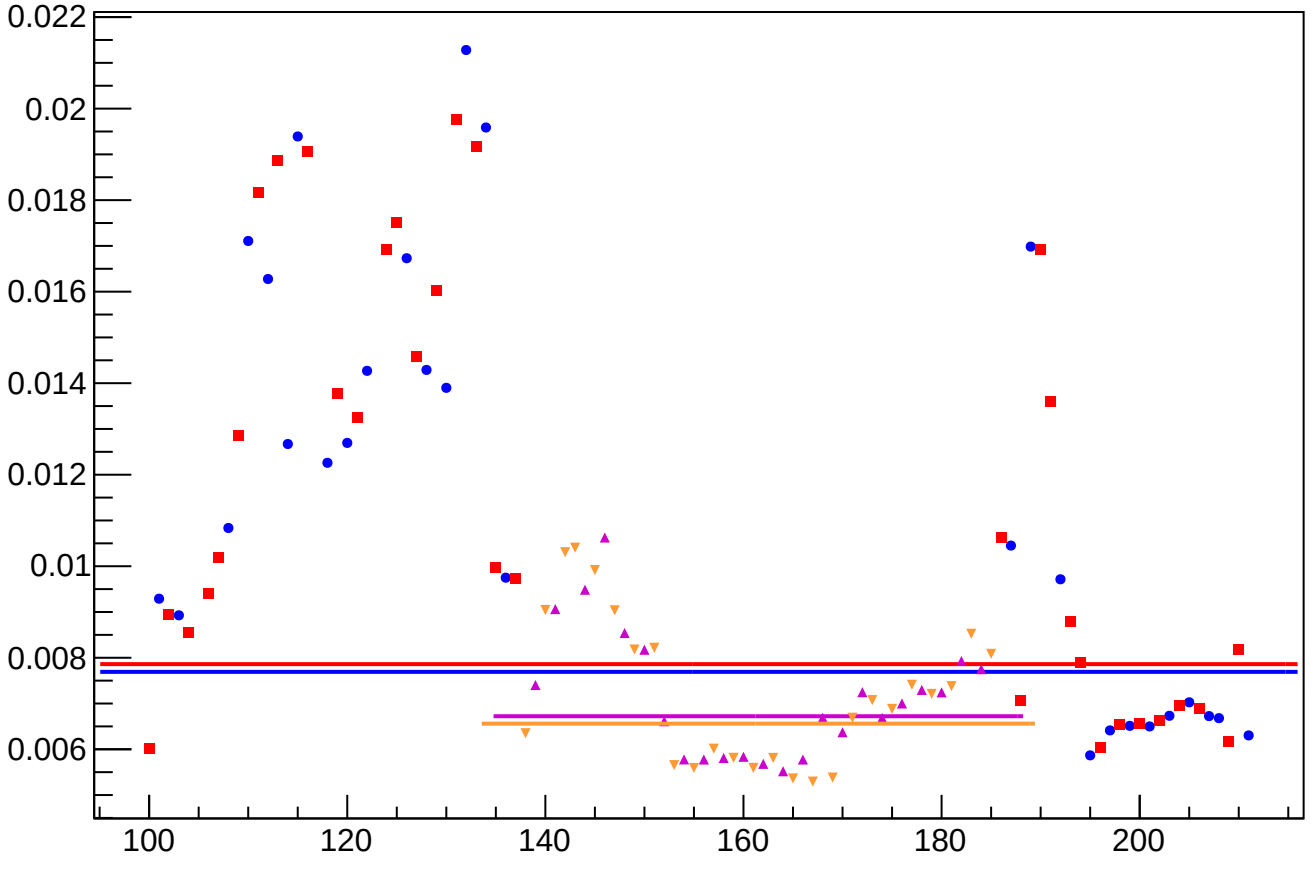
Right: -0.369+/-0.000 χ^2/NDF: 24214652875.3/60

In: -0.556+/-0.000 χ^2/NDF:46930078183.9/50

Out: -0.574+/-0.000 χ^2/NDF:45683953969.0/57

All: -0.565+/-0.000 χ^2/NDF: 92705979976.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3082407.9/27

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3257102.2/32

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

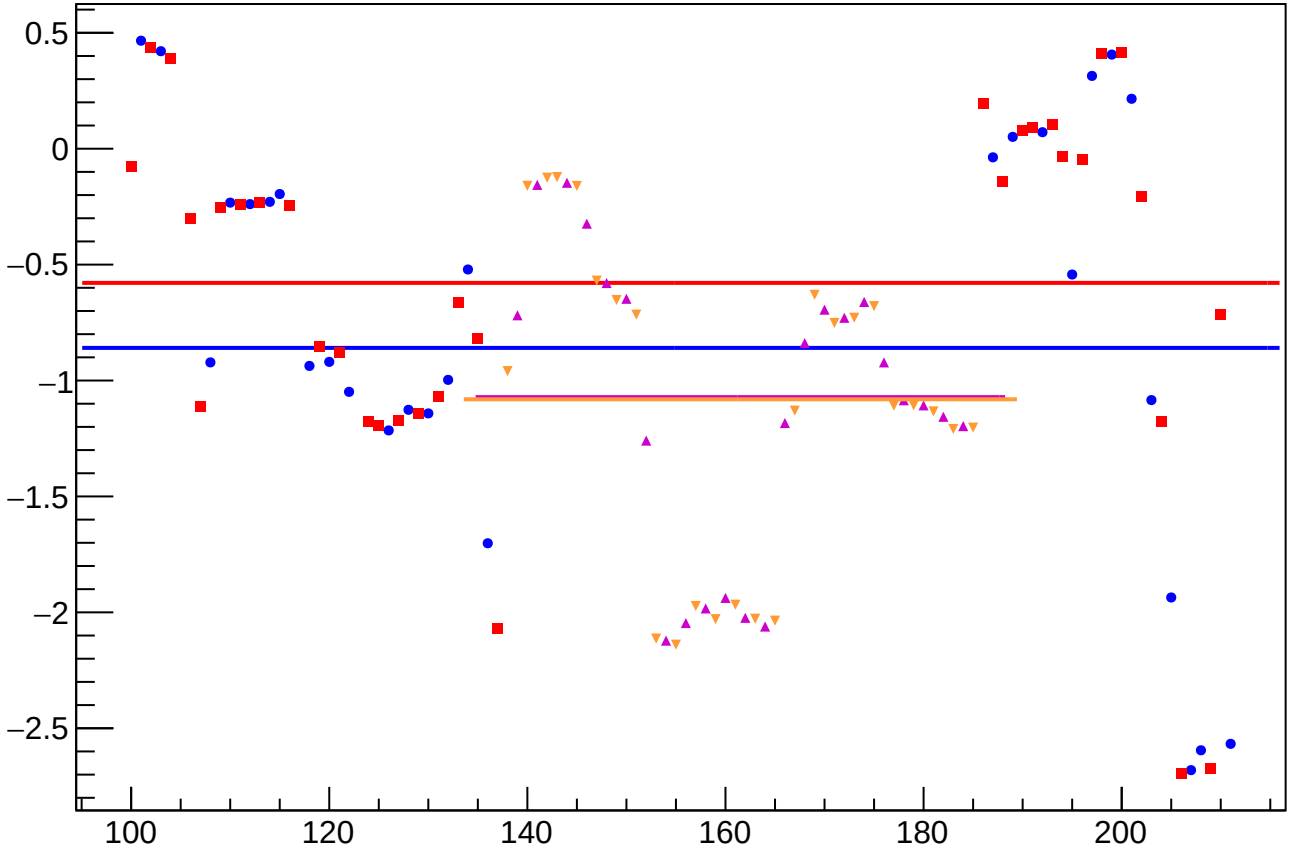
Right: 0.008+/-0.000 χ^2/NDF: 6346339.4/60

In: 0.007+/-0.000 χ^2/NDF:4314237.4/50

Out: 0.007+/-0.000 χ^2/NDF:5175177.6/57

All: 0.007+/-0.000 χ^2/NDF: 9491369.5/108

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.859+/-0.000 χ^2/NDF: 1952903202.7/27

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.579+/-0.000 χ^2/NDF: 1660013608.9/32

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

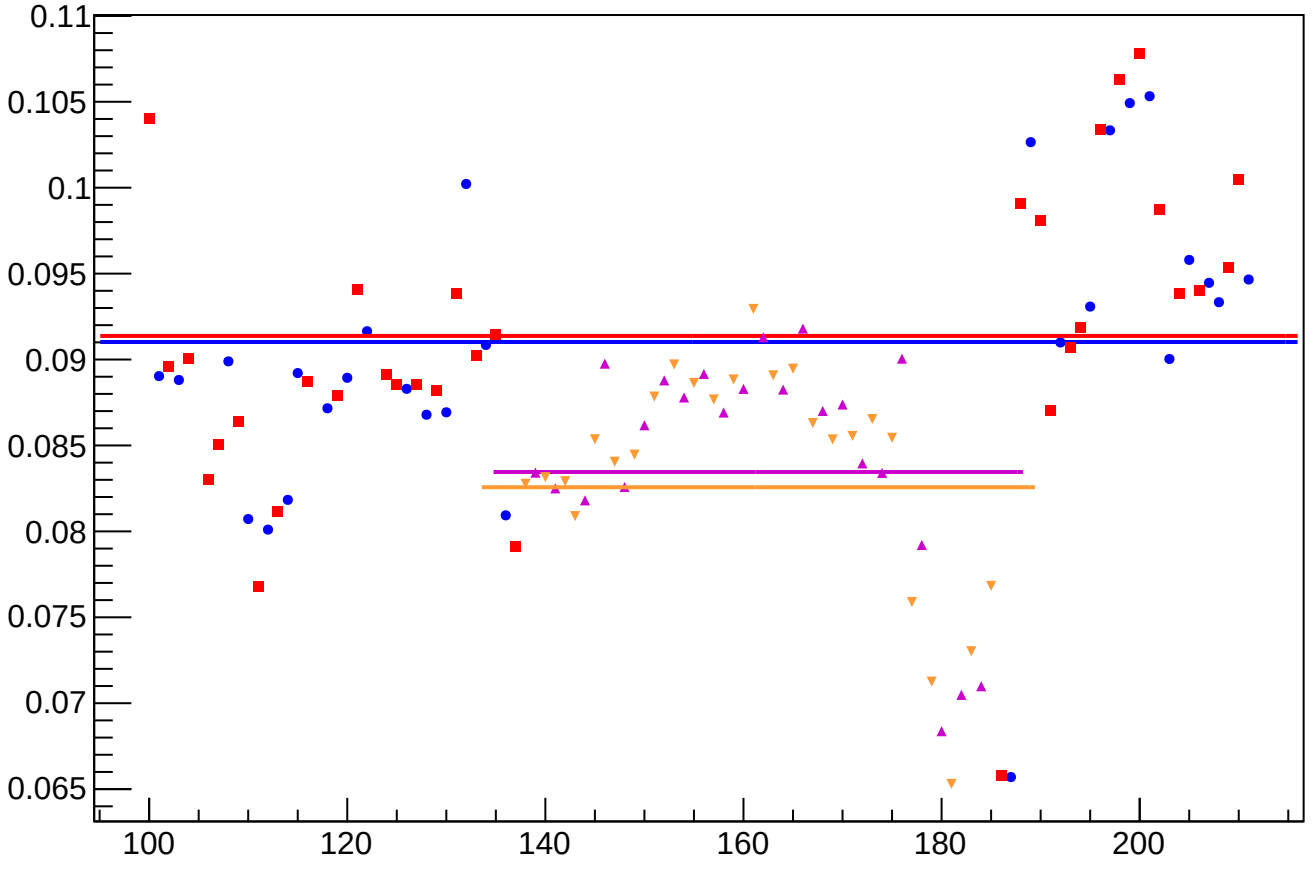
Right: -0.713+/-0.000 χ^2/NDF: 3693878044.3/60

In: -0.980+/-0.000 χ^2/NDF:2979244414.1/50

Out: -0.863+/-0.000 χ^2/NDF:3118638138.0/57

All: -0.919+/-0.000 χ^2/NDF: 6130099770.3/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 241419.1/27

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 345370.8/32

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

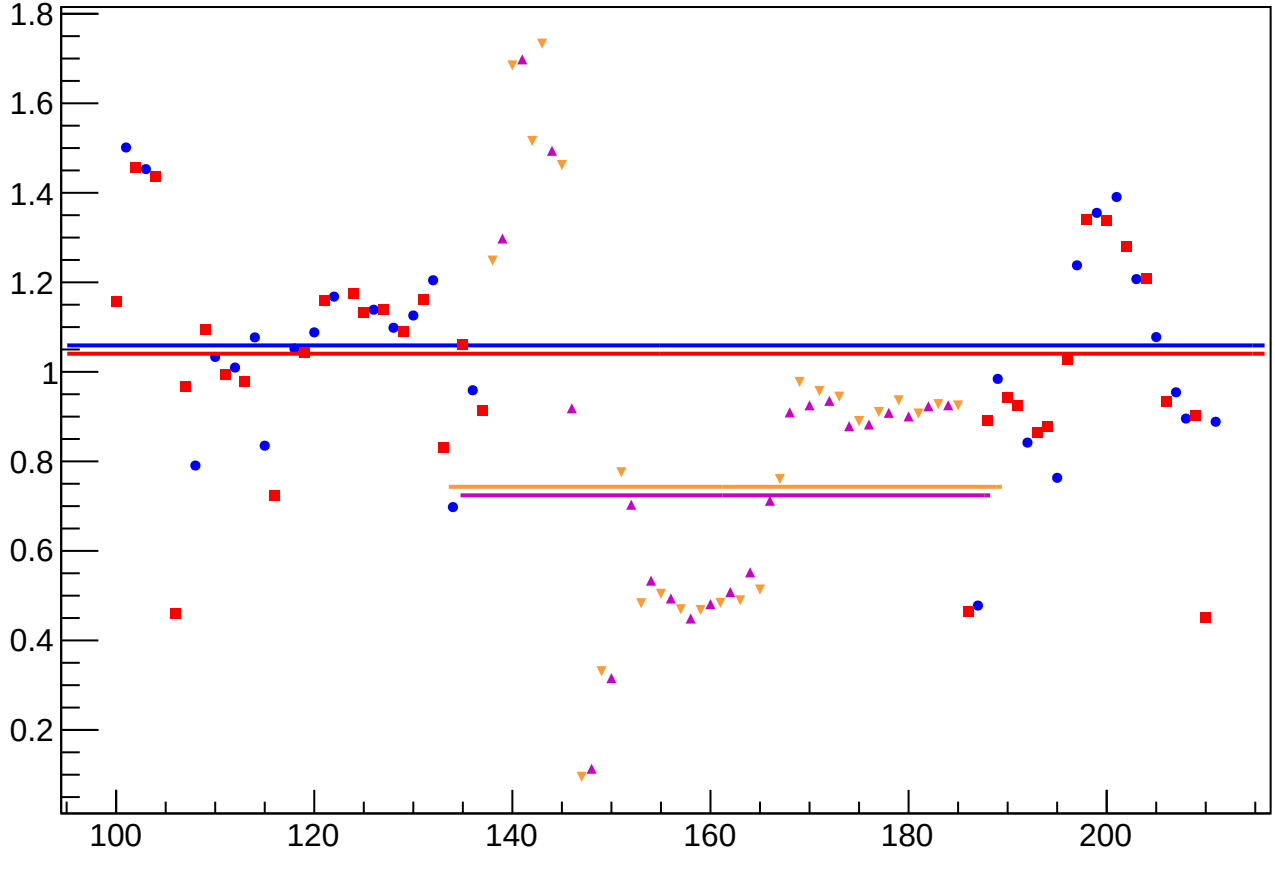
Right: 0.091+/-0.000 χ^2/NDF: 587047.3/60

In: 0.087+/-0.000 χ^2/NDF:608444.5/50

Out: 0.086+/-0.000 χ^2/NDF:824912.2/57

All: 0.087+/-0.000 χ^2/NDF: 1433921.1/108

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.059+/-0.000 χ^2/NDF: 5945791235.8/27

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.041+/-0.000 χ^2/NDF: 7529611471.3/32

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

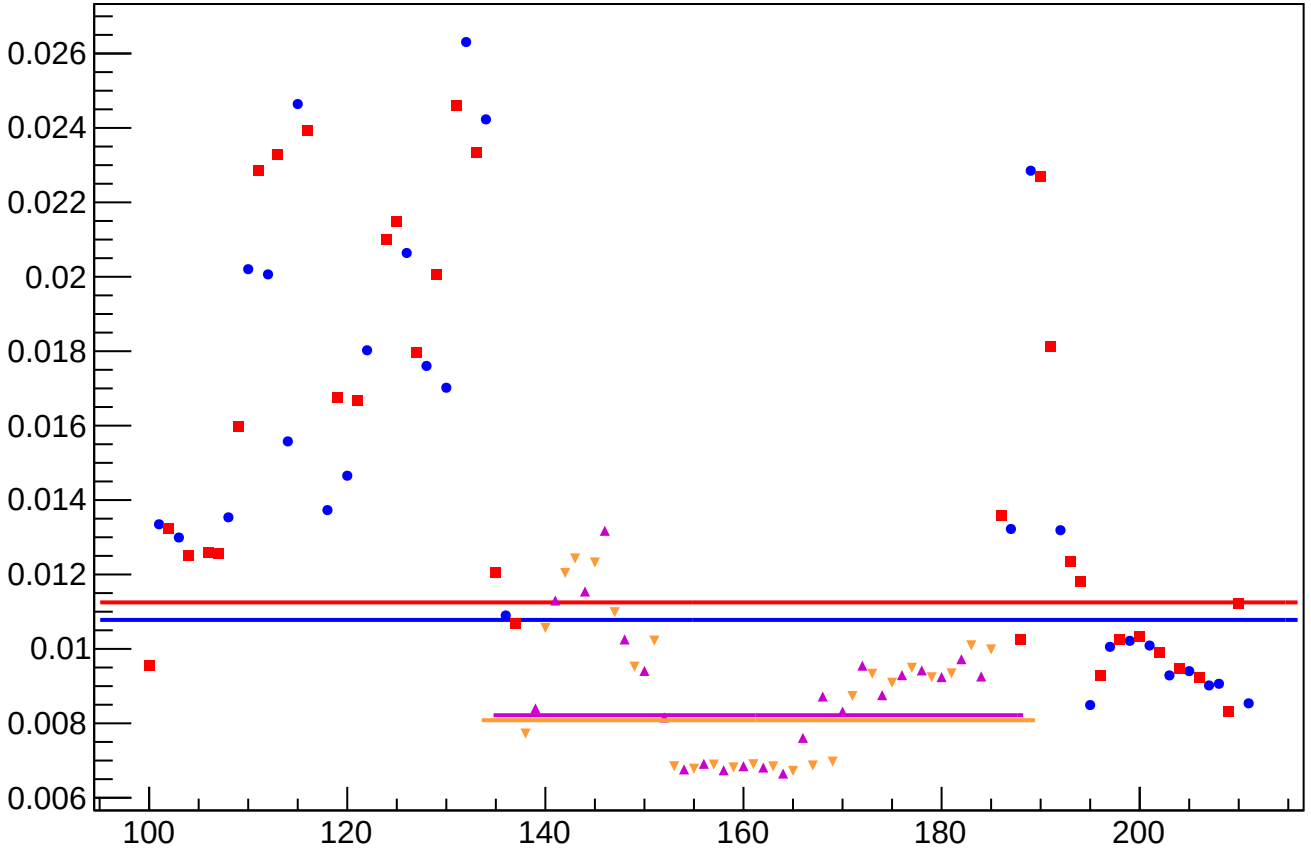
Right: 1.050+/-0.000 χ^2/NDF: 13496486004.0/60

In: 0.836+/-0.000 χ^2/NDF:40836099687.6/50

Out: 0.835+/-0.000 χ^2/NDF:47532333524.5/57

All: 0.835+/-0.000 χ^2/NDF: 88368446011.5/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2312681.0/27

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456962.1/32

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

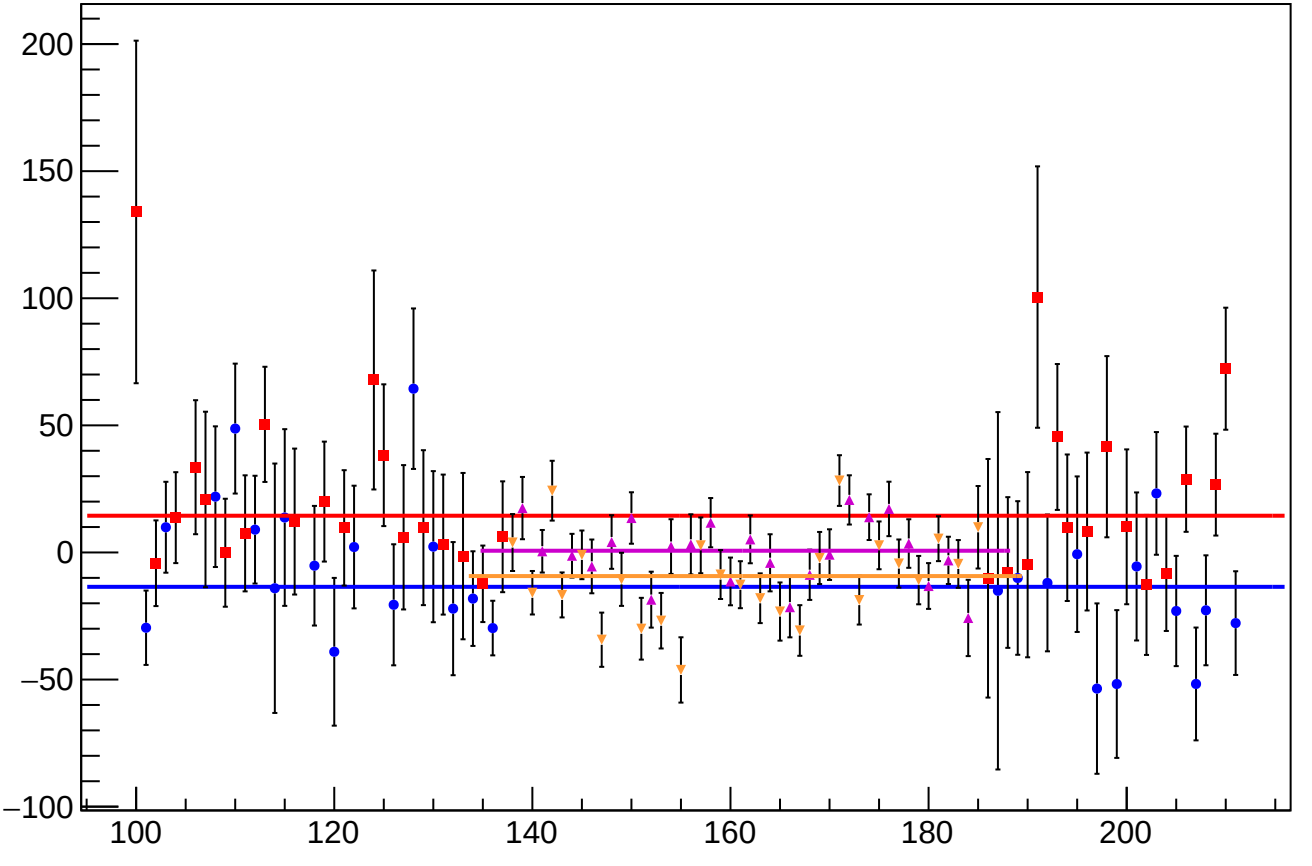
Right: 0.011+/-0.000 χ^2/NDF: 4796763.2/60

In: 0.009+/-0.000 χ^2/NDF:4520595.1/50

Out: 0.009+/-0.000 χ^2/NDF:5546400.0/57

All: 0.009+/-0.000 χ^2/NDF: 10067007.9/108

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -13.523+/-4.338 χ^2/NDF: 32.1/27

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 14.451+/-4.430 χ^2/NDF: 28.6/32

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

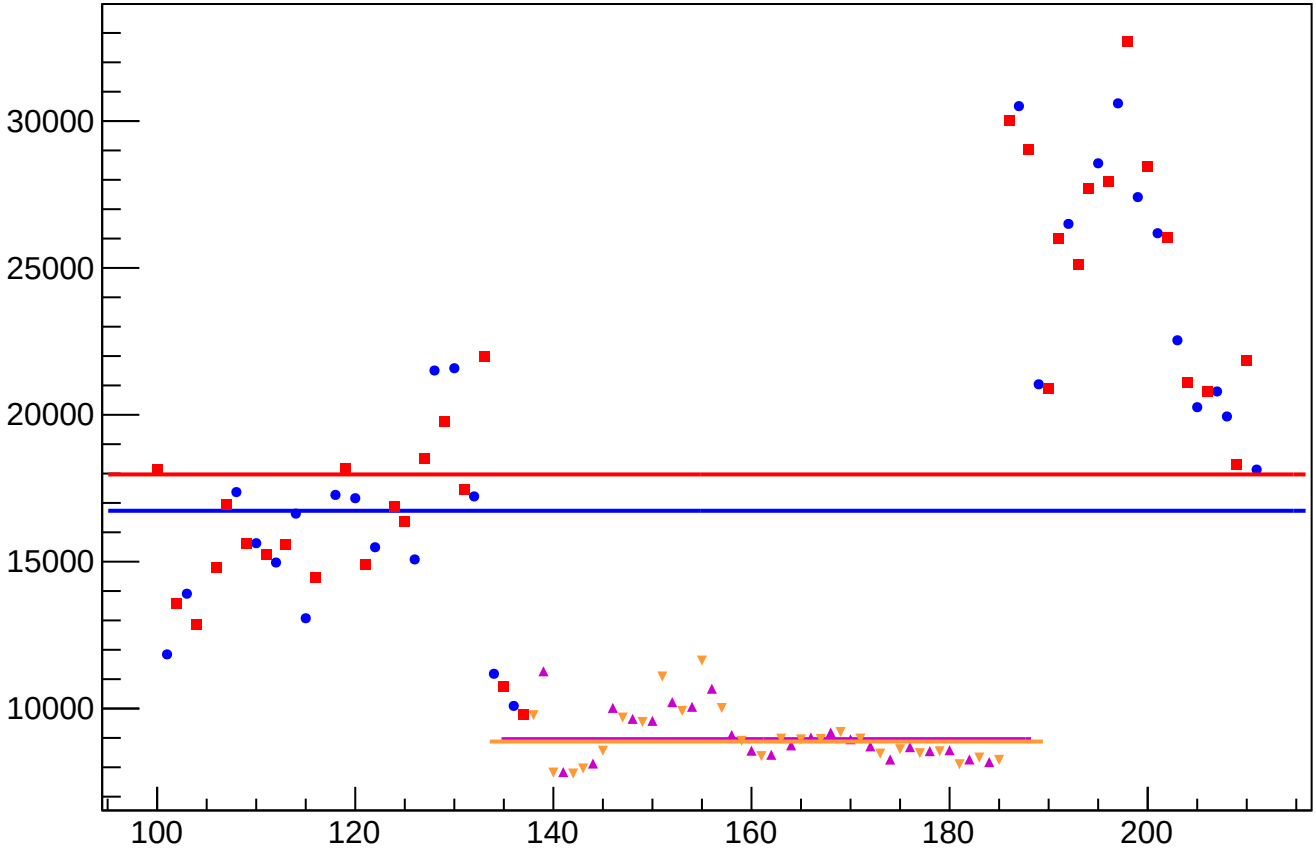
Right: 0.169+/-3.100 χ^2/NDF: 81.0/60

In: -2.028+/-1.893 χ^2/NDF:70.1/50

Out: -5.170+/-1.846 χ^2/NDF:113.5/57

All: -3.639+/-1.322 χ^2/NDF: 185.0/108

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 16732.692+/-3.067 χ^2/NDF: 3165152.4/27

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17970.481+/-3.133 χ^2/NDF: 3168084.9/32

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

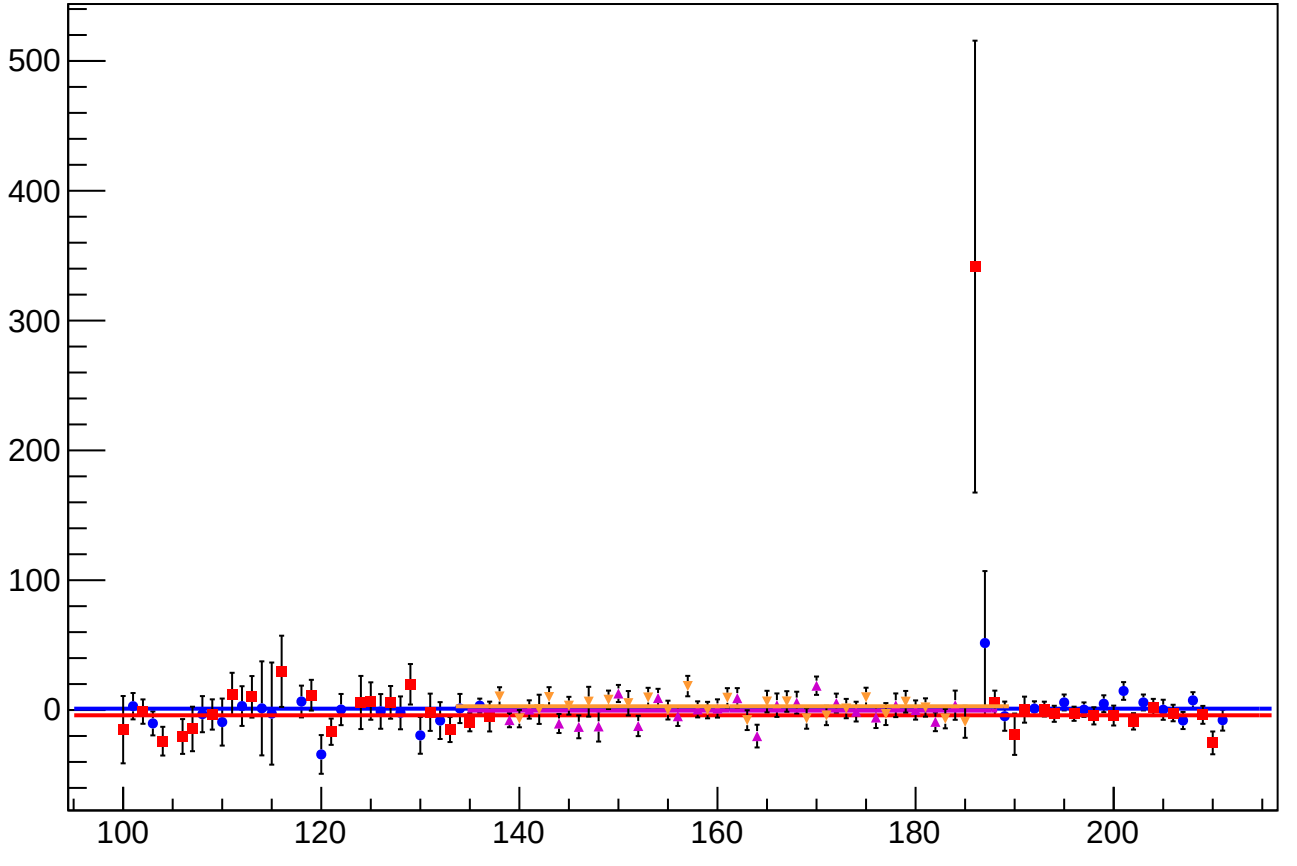
Right: 17338.558+/-2.192 χ^2/NDF: 6412940.3/60

In: 10439.373+/-1.339 χ^2/NDF:8666560.2/50

Out: 10454.544+/-1.305 χ^2/NDF:10480388.9/57

All: 10447.150+/-0.935 χ^2/NDF: 19147015.0

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.040+/-1.649 χ^2/NDF: 21.4/27

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -4.060+/-1.608 χ^2/NDF: 31.8/32

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

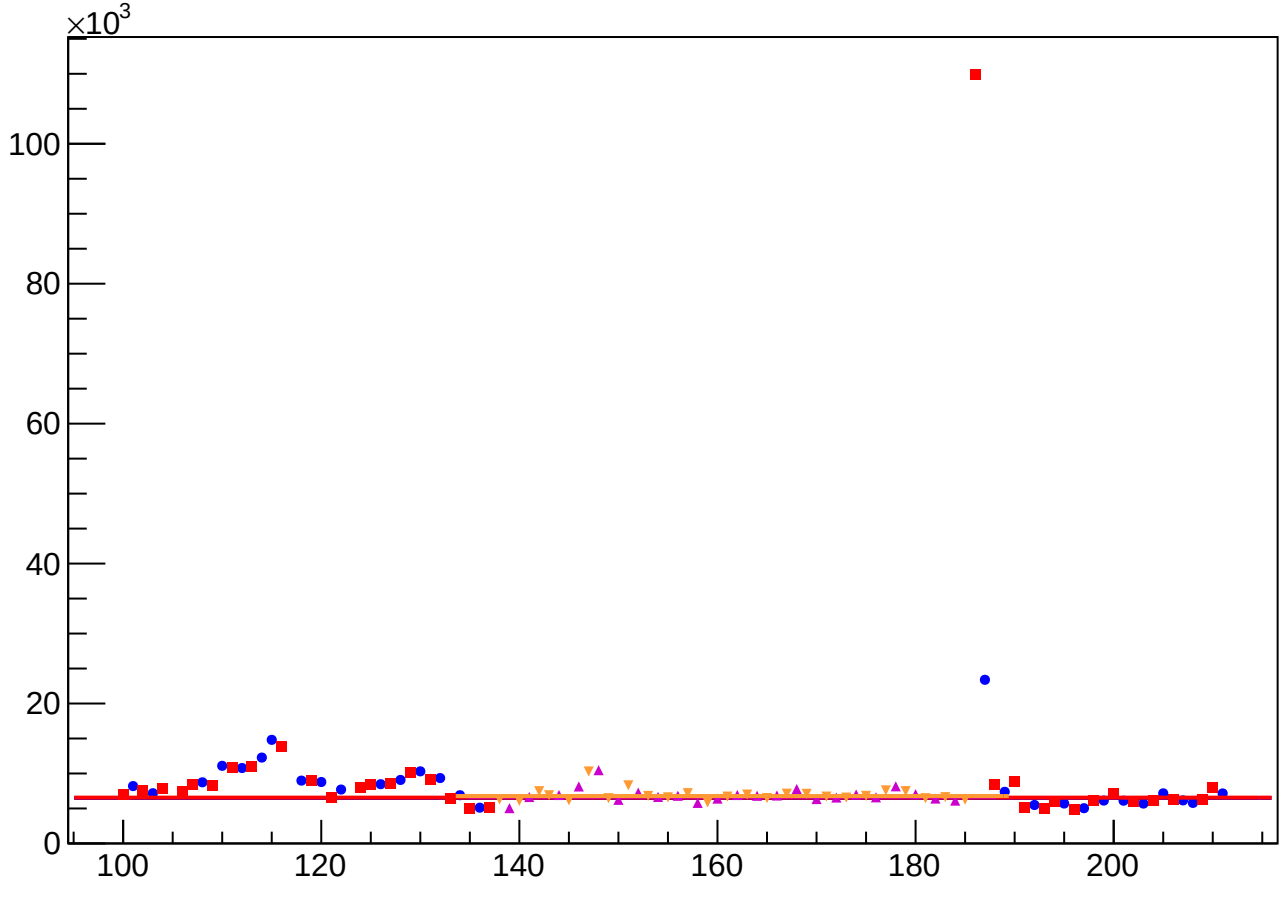
Right: -1.575+/-1.151 χ^2/NDF: 58.1/60

In: 0.261+/-1.142 χ^2/NDF:54.6/50

Out: -0.472+/-1.117 χ^2/NDF:60.9/57

All: -0.113+/-0.798 χ^2/NDF: 115.7/108

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6498.158+/-1.166 χ^2/NDF: 1714711.4/27

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6547.992+/-1.137 χ^2/NDF: 2387335.7/32

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

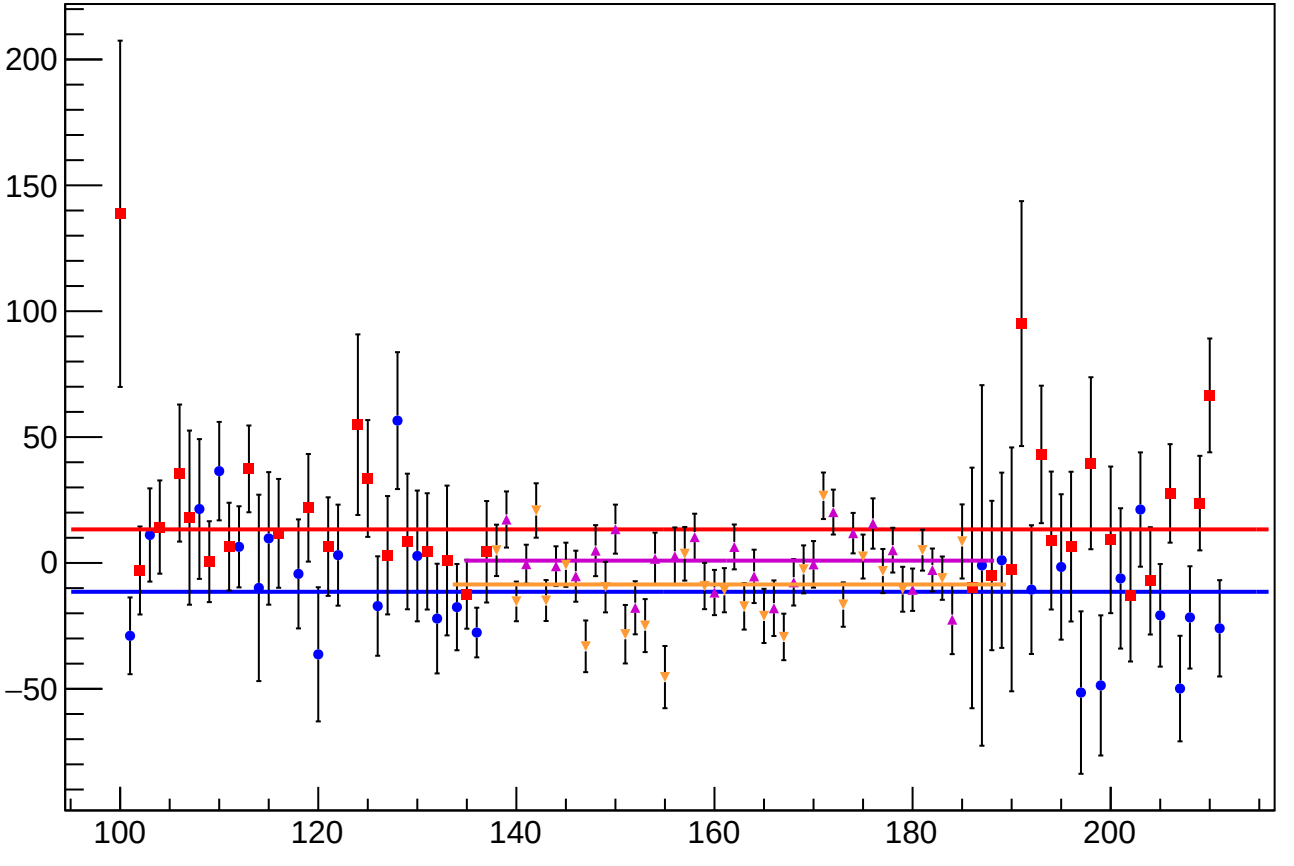
Right: 6523.709+/-0.814 χ^2/NDF: 4102983.2/60

In: 6597.879+/-0.807 χ^2/NDF:2349019.1/50

Out: 6666.284+/-0.790 χ^2/NDF:2808434.2/57

All: 6632.814+/-0.565 χ^2/NDF: 5161121.1/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -11.458+/-3.971 χ^2/NDF: 33.4/27

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 13.333+/-4.016 χ^2/NDF: 28.0/32

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

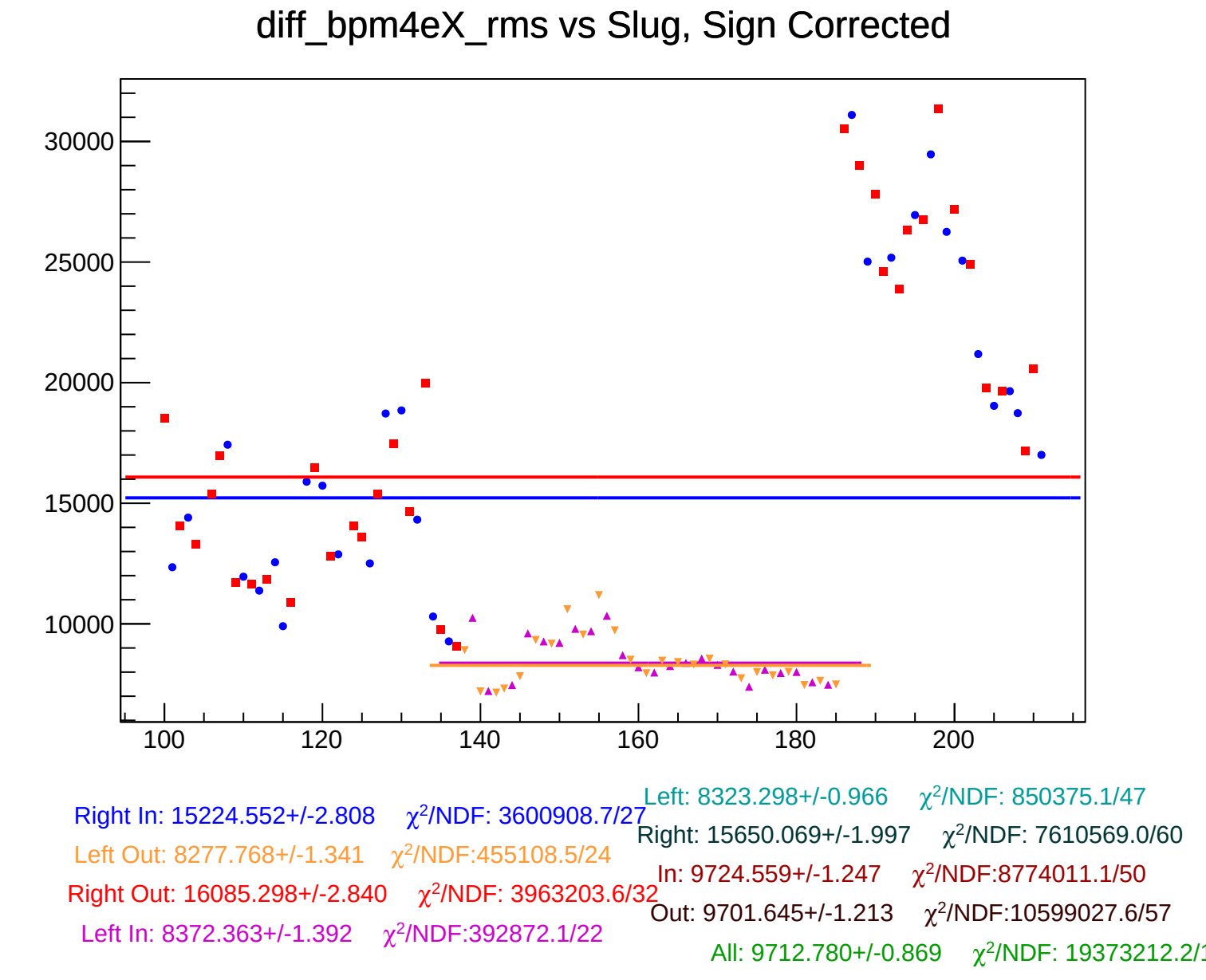
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.798+/-2.824 χ^2/NDF: 80.7/60

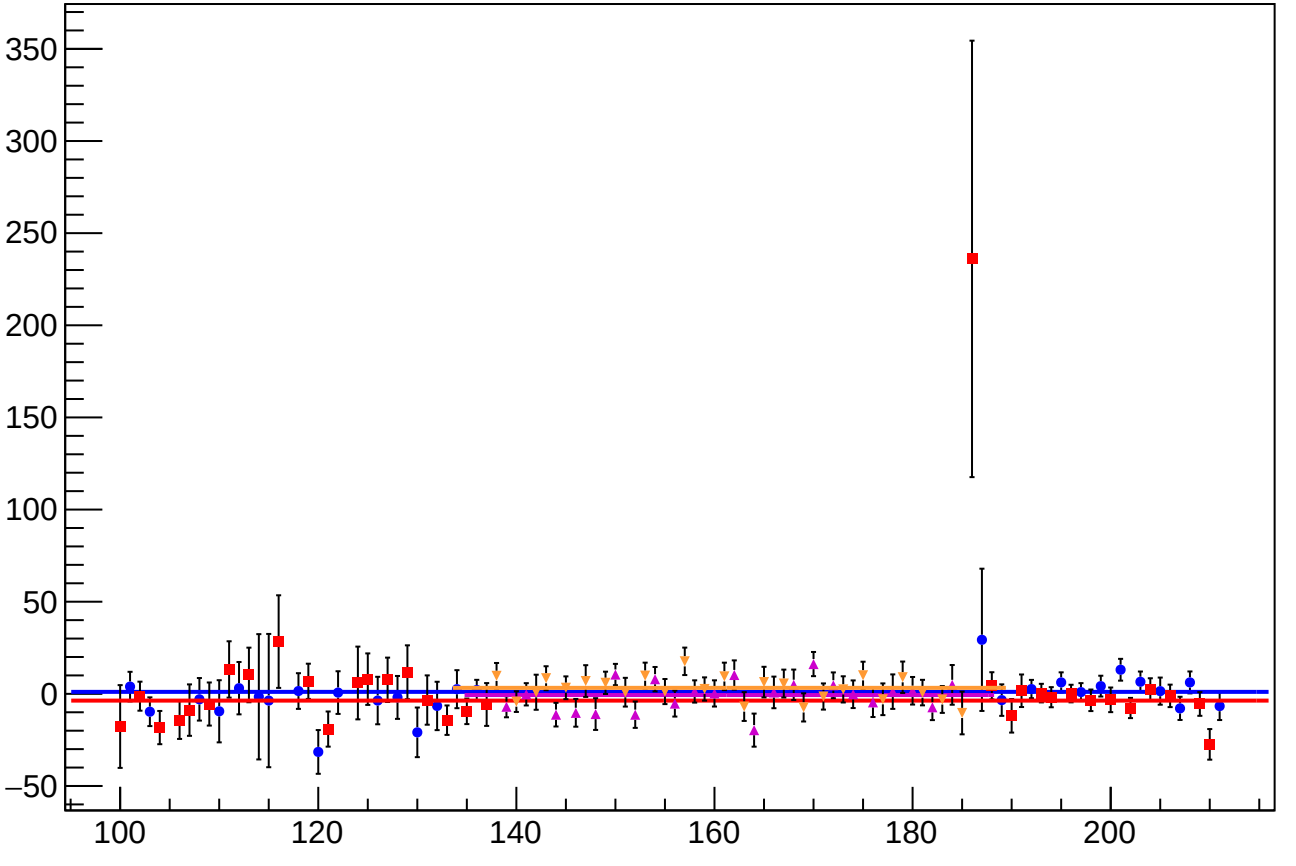
In: -1.523+/-1.764 χ^2/NDF:70.3/50

Out: -4.548+/-1.715 χ^2/NDF:114.2/57

All: -3.078+/-1.230 χ^2/NDF: 186.0/108


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15224.552+/-2.808 χ²/NDF: 3600908.7/27
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16085.298+/-2.840 χ²/NDF: 3963203.6/32
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15650.069+/-1.997 χ²/NDF: 7610569.0/60
In: 9724.559+/-1.247 χ²/NDF:8774011.1/50
Out: 9701.645+/-1.213 χ²/NDF:10599027.6/57
All: 9712.780+/-0.869 χ²/NDF: 19373212.2/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.073+/-1.484 χ^2/NDF: 24.4/27

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -3.666+/-1.427 χ^2/NDF: 35.1/32

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

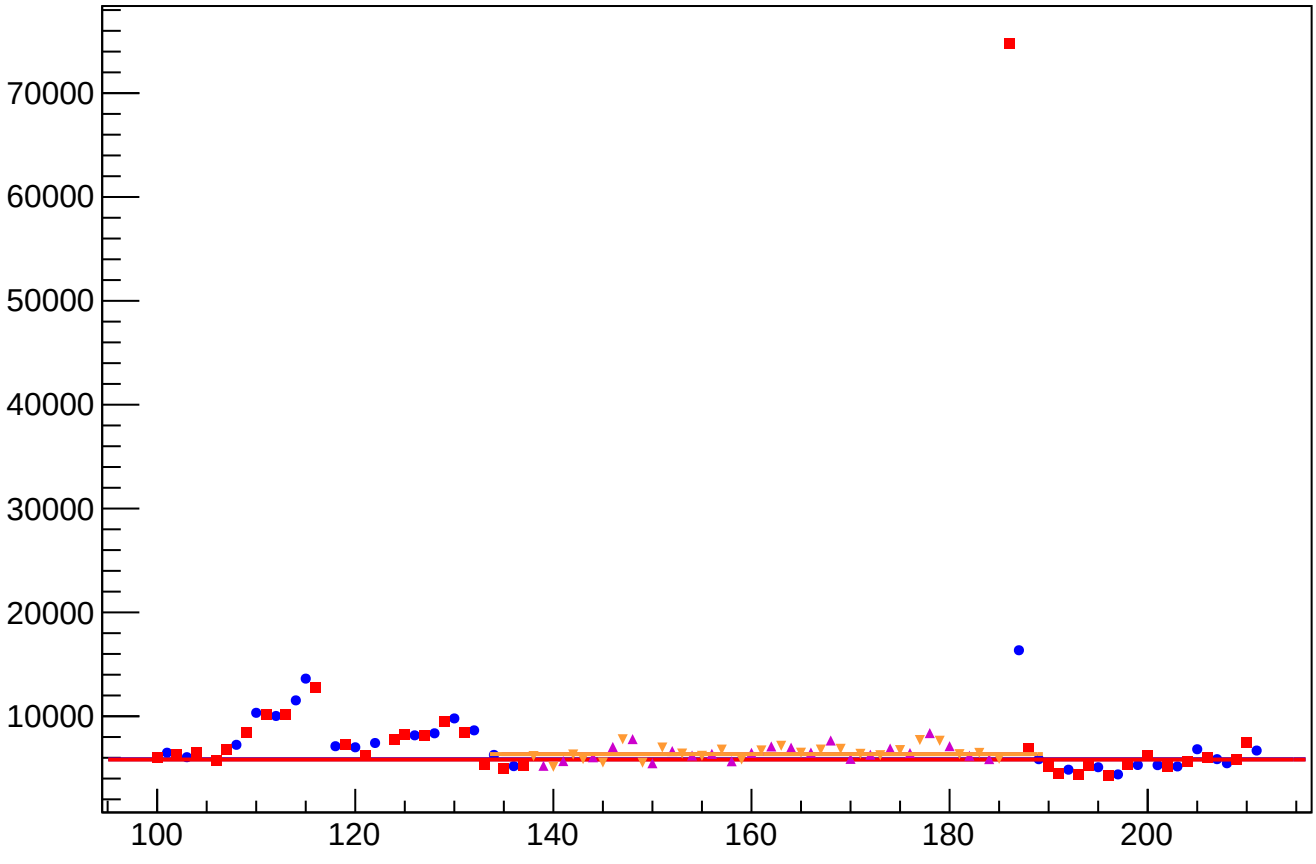
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.389+/-1.029 χ^2/NDF: 64.8/60

In: 0.223+/-1.055 χ^2/NDF:55.8/50

Out: -0.277+/-1.020 χ^2/NDF:64.3/57

All: -0.036+/-0.733 χ^2/NDF: 120.2/108



Right In: 5862.118+/-1.049 χ^2/NDF: 1625983.0/27

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5829.605+/-1.009 χ^2/NDF: 2381187.7/32

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

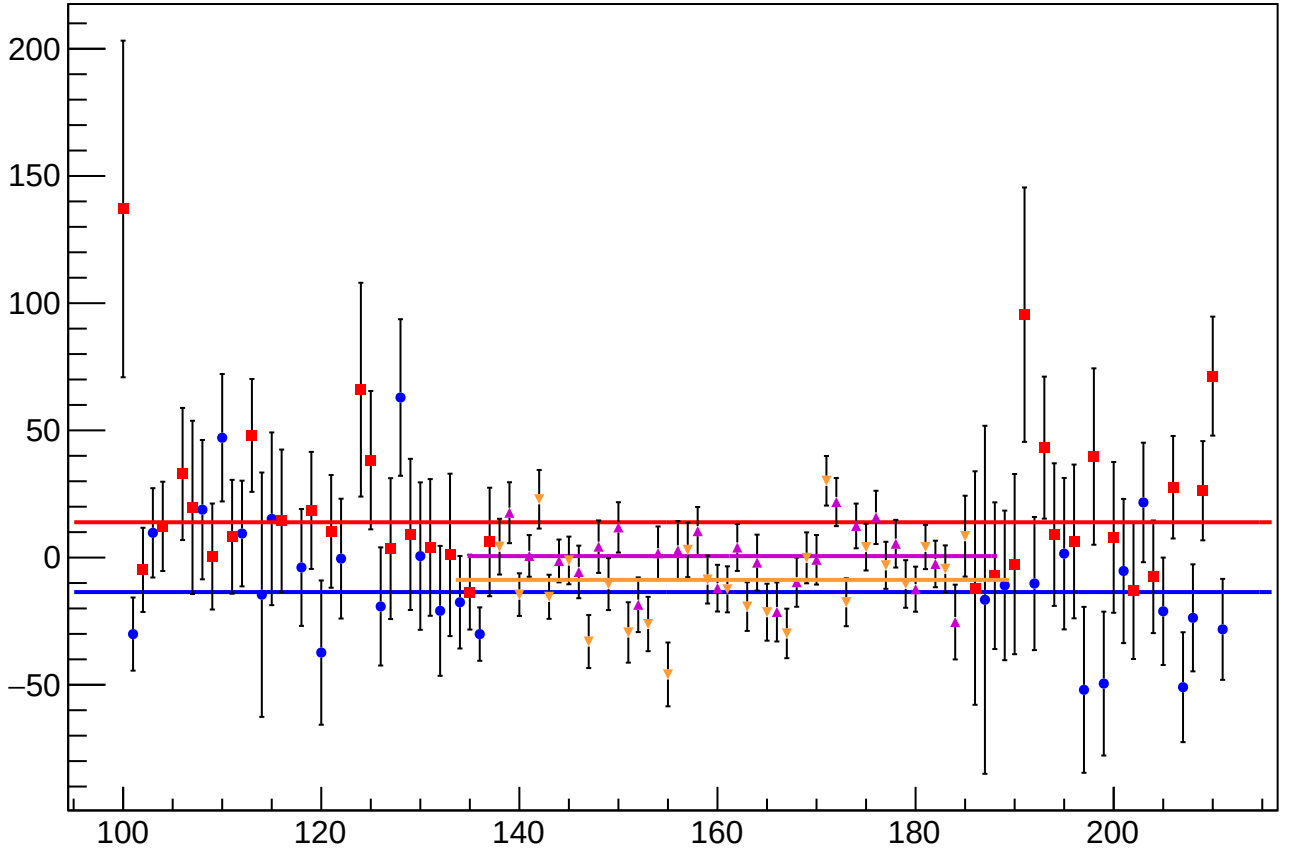
Right: 5845.229+/-0.727 χ^2/NDF: 4007669.4/60

In: 6108.458+/-0.746 χ^2/NDF:2211232.0/50

Out: 6088.137+/-0.721 χ^2/NDF:2929324.5/57

All: 6097.954+/-0.518 χ^2/NDF: 5140940.3/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -13.559+/-4.238 χ^2/NDF: 32.1/27

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 13.889+/-4.328 χ^2/NDF: 29.0/32

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

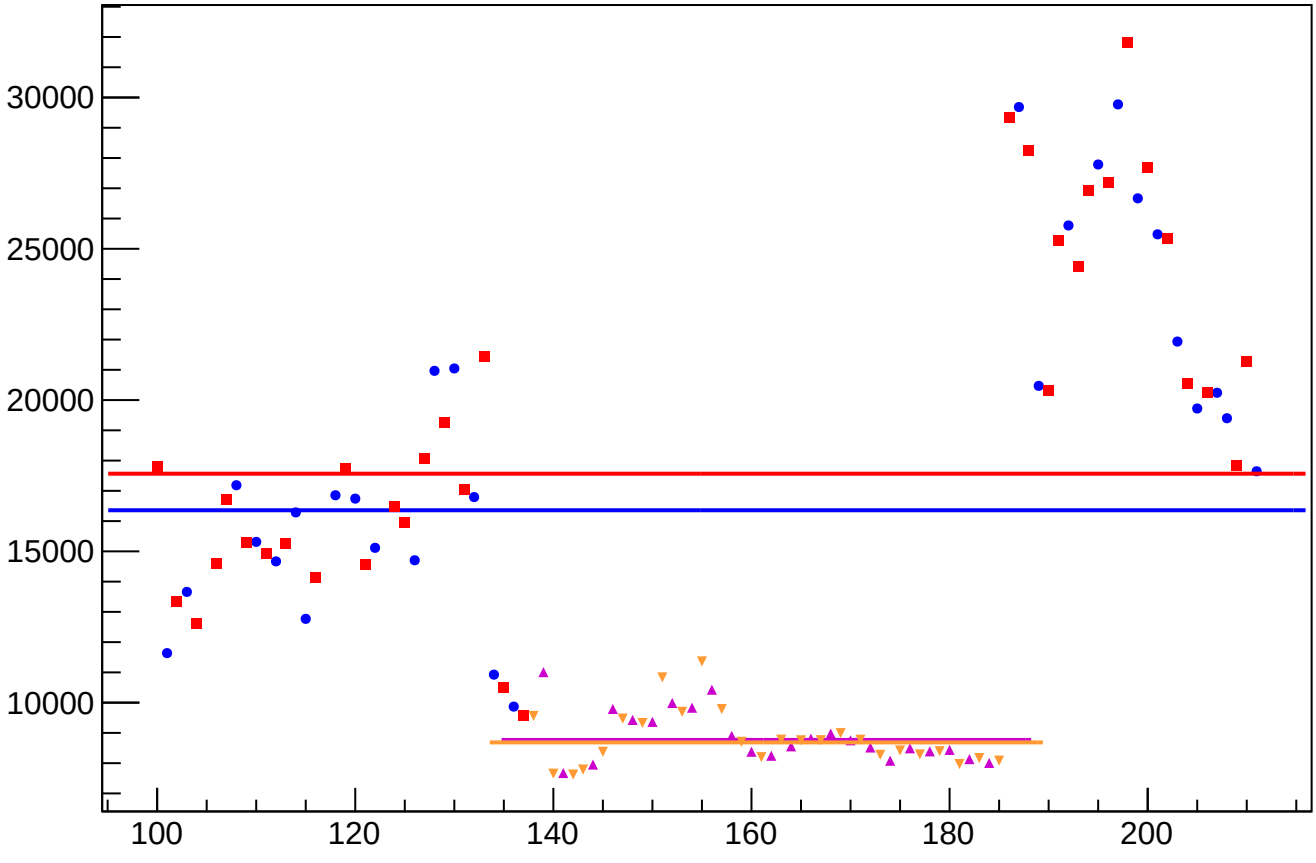
Right: -0.123+/-3.028 χ^2/NDF: 81.7/60

In: -2.122+/-1.852 χ^2/NDF:70.7/50

Out: -4.822+/-1.806 χ^2/NDF:114.4/57

All: -3.506+/-1.293 χ^2/NDF: 186.1/108

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16358.130+/-2.996 χ^2/NDF: 3118791.4/27

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17567.158+/-3.060 χ^2/NDF: 3117471.1/32

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

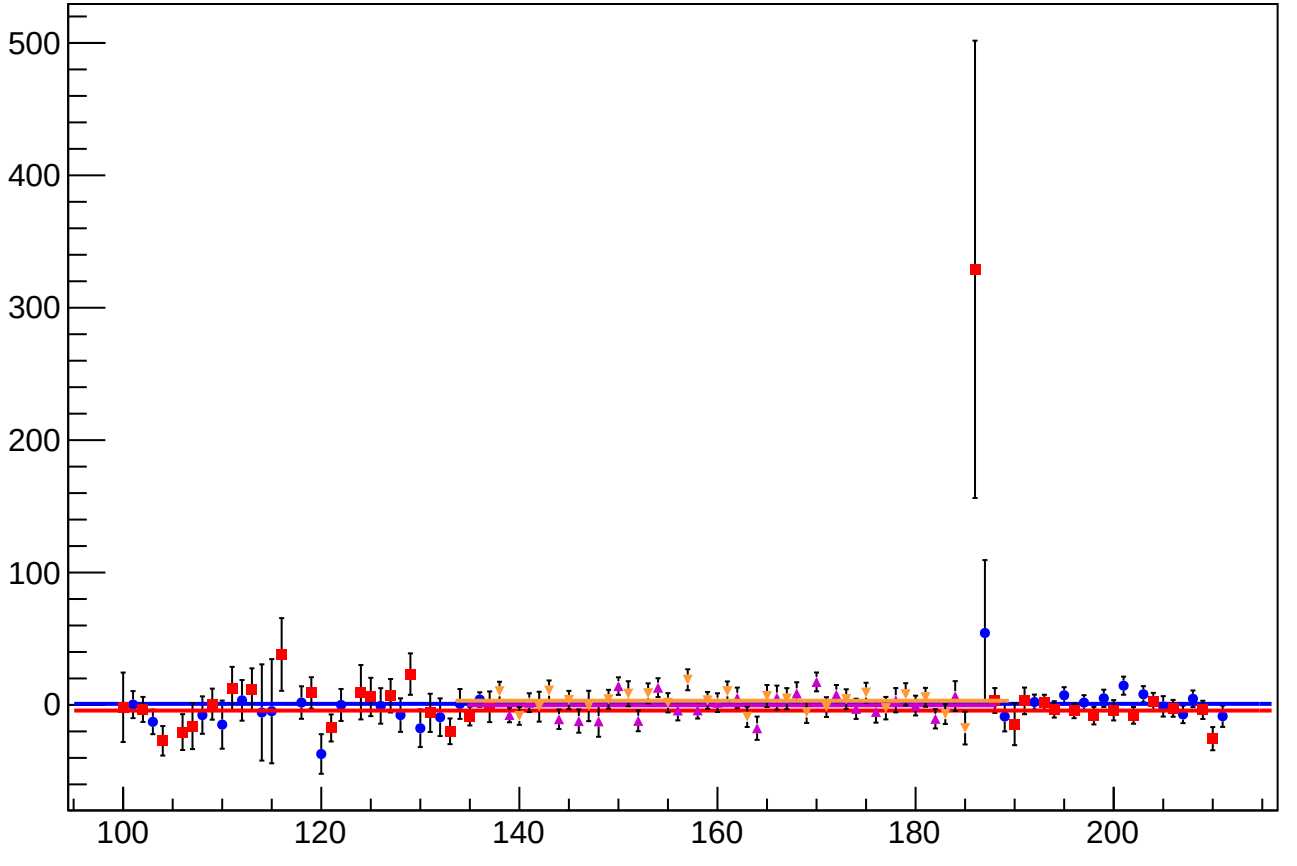
Right: 16949.939+/-2.141 χ^2/NDF: 6315955.9/60

In: 10217.613+/-1.310 χ^2/NDF:8605637.4/50

Out: 10232.343+/-1.277 χ^2/NDF:10414833.0/57

All: 10225.164+/-0.914 χ^2/NDF: 19020535.3

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.811+/-1.654 χ^2/NDF: 24.7/27

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.249+/-1.613 χ^2/NDF: 35.6/32

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

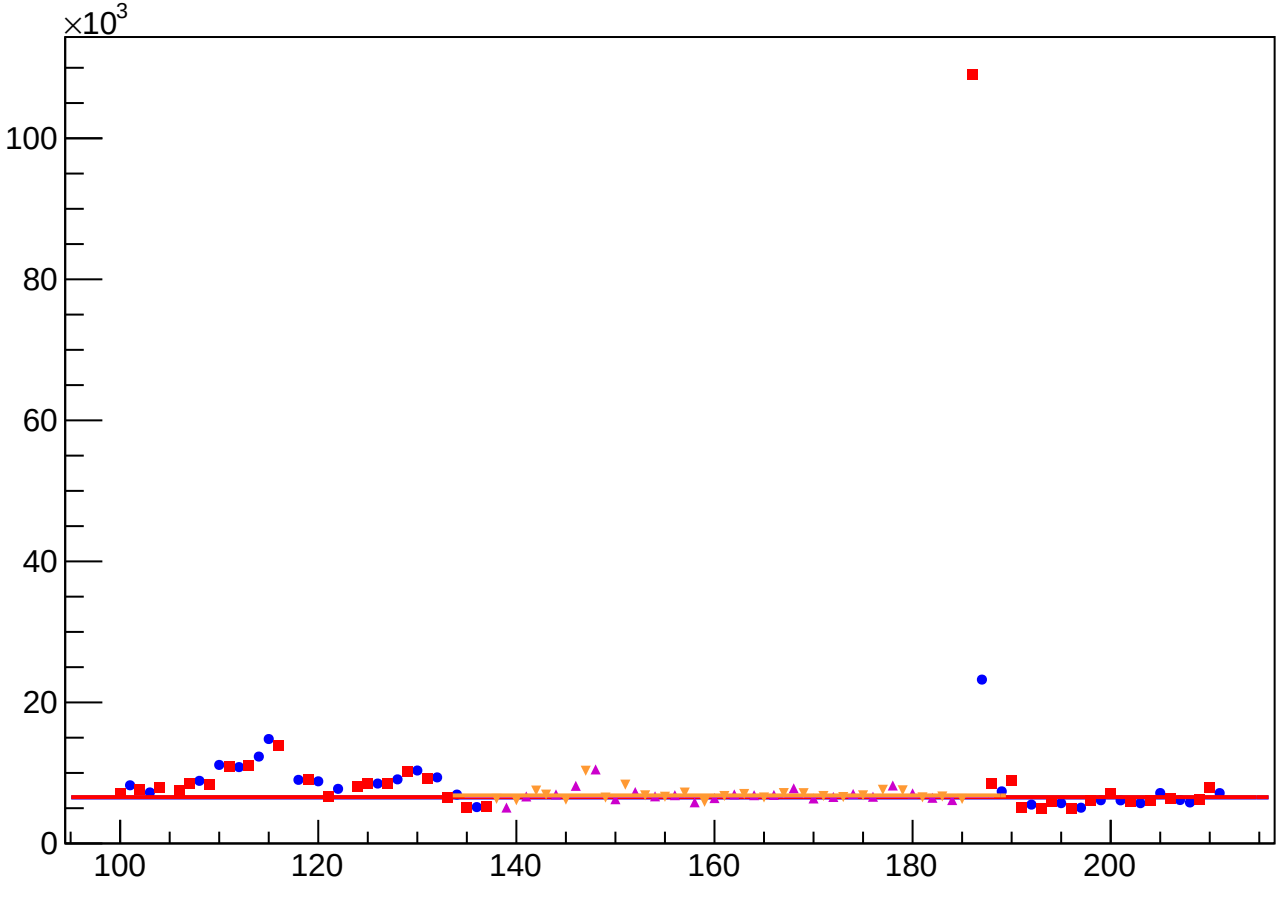
Right: -1.782+/-1.155 χ^2/NDF: 65.1/60

In: 0.250+/-1.146 χ^2/NDF:59.1/50

Out: -0.419+/-1.122 χ^2/NDF:68.2/57

All: -0.092+/-0.802 χ^2/NDF: 127.5/108

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6517.954+/-1.170 χ^2/NDF: 1712384.3/27

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6571.150+/-1.141 χ^2/NDF: 2380390.2/32

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

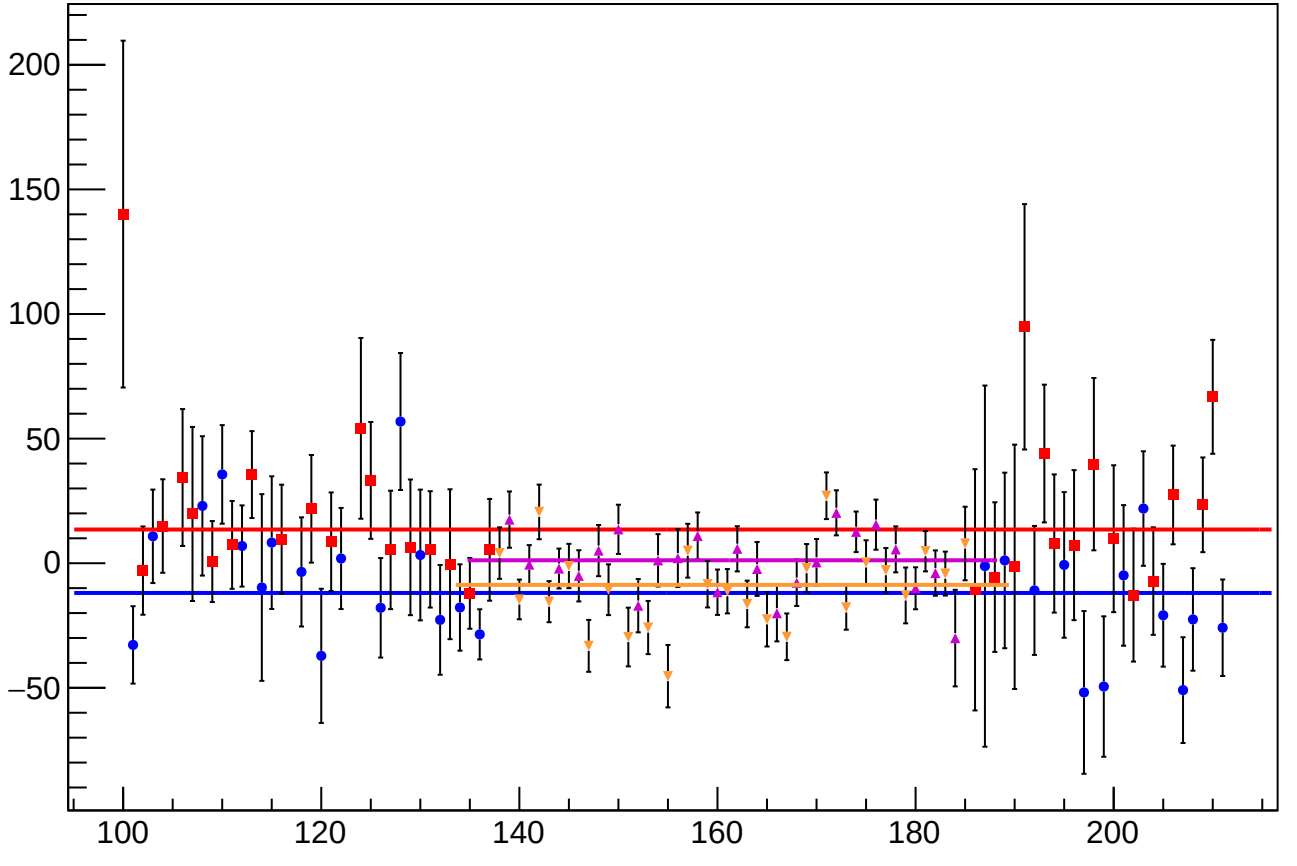
Right: 6545.219+/-0.817 χ^2/NDF: 4093834.7/60

In: 6627.046+/-0.811 χ^2/NDF:2339159.8/50

Out: 6695.965+/-0.793 χ^2/NDF:2798207.7/57

All: 6662.243+/-0.567 χ^2/NDF: 5141059.2/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -11.931+/-4.024 χ^2/NDF: 34.0/27

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 13.527+/-4.072 χ^2/NDF: 26.7/32

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

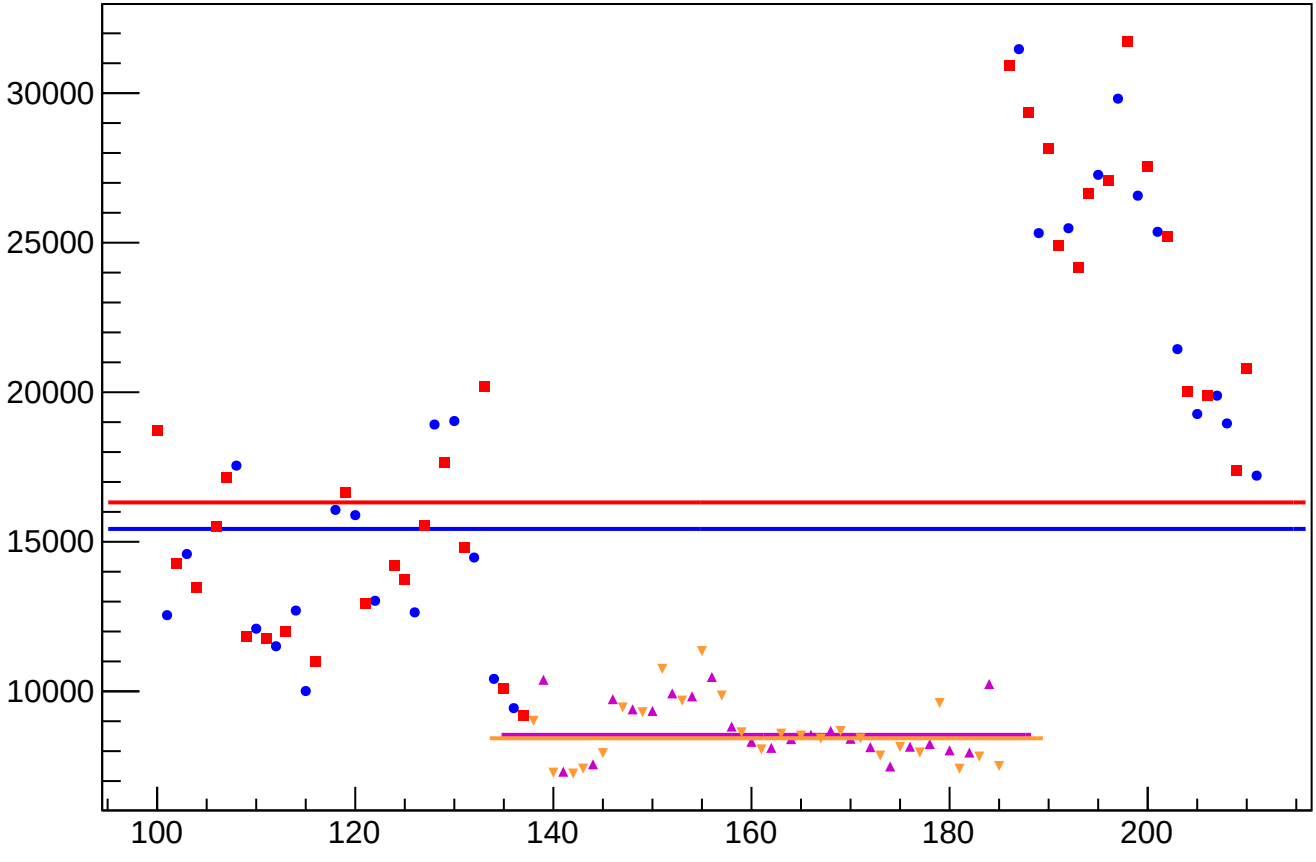
Right: 0.647+/-2.862 χ^2/NDF: 80.5/60

In: -1.448+/-1.800 χ^2/NDF:71.0/50

Out: -4.595+/-1.749 χ^2/NDF:112.4/57

All: -3.067+/-1.254 χ^2/NDF: 185.0/108

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15430.007+/-2.845 χ^2/NDF: 3574576.7/27

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16316.544+/-2.879 χ^2/NDF: 3918092.9/32

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

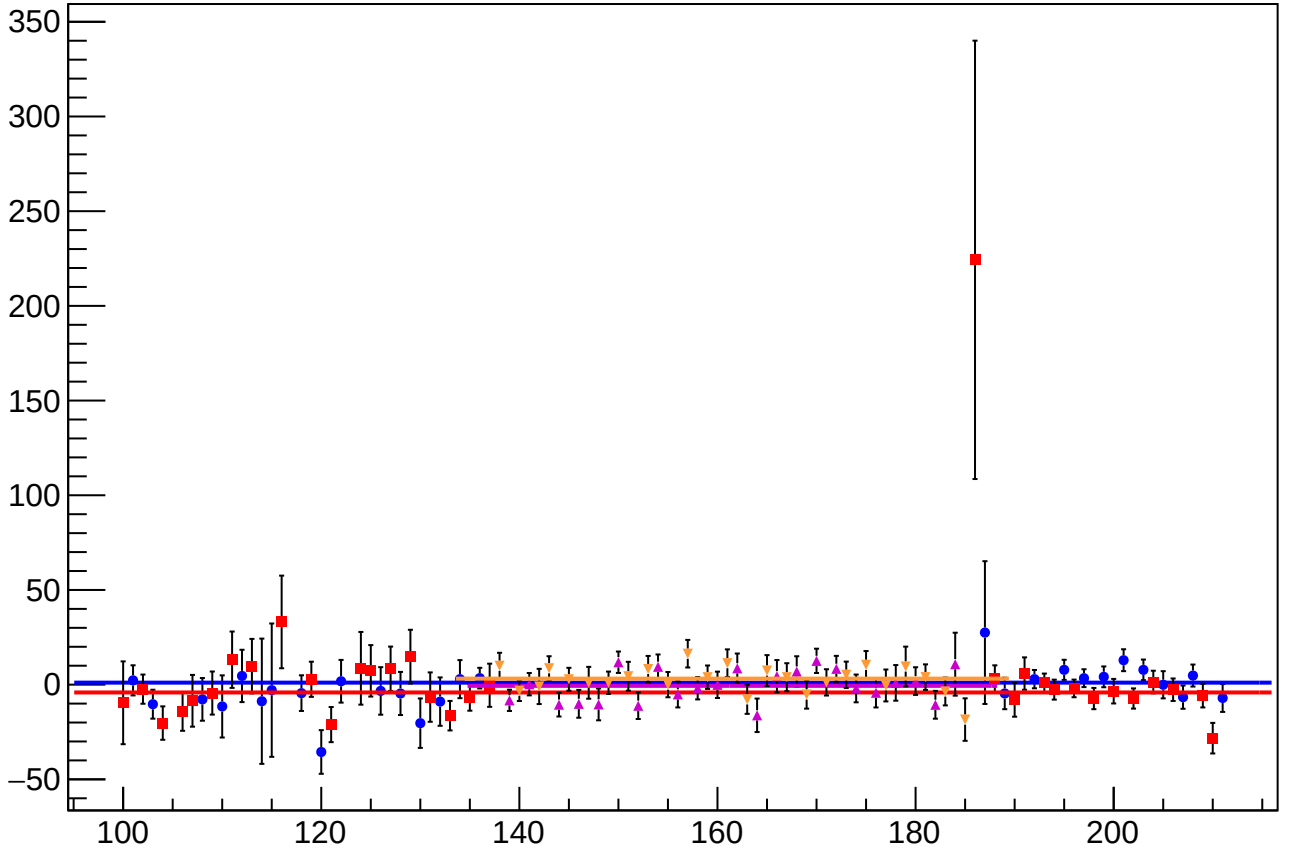
Right: 15868.022+/-2.024 χ^2/NDF: 7540640.5/60

In: 9923.037+/-1.273 χ^2/NDF:8647887.4/50

Out: 9885.010+/-1.236 χ^2/NDF:10521476.8/57

All: 9903.474+/-0.887 χ^2/NDF: 19169823.5/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.064+/-1.448 χ^2/NDF: 30.2/27

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -4.123+/-1.392 χ^2/NDF: 38.3/32

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

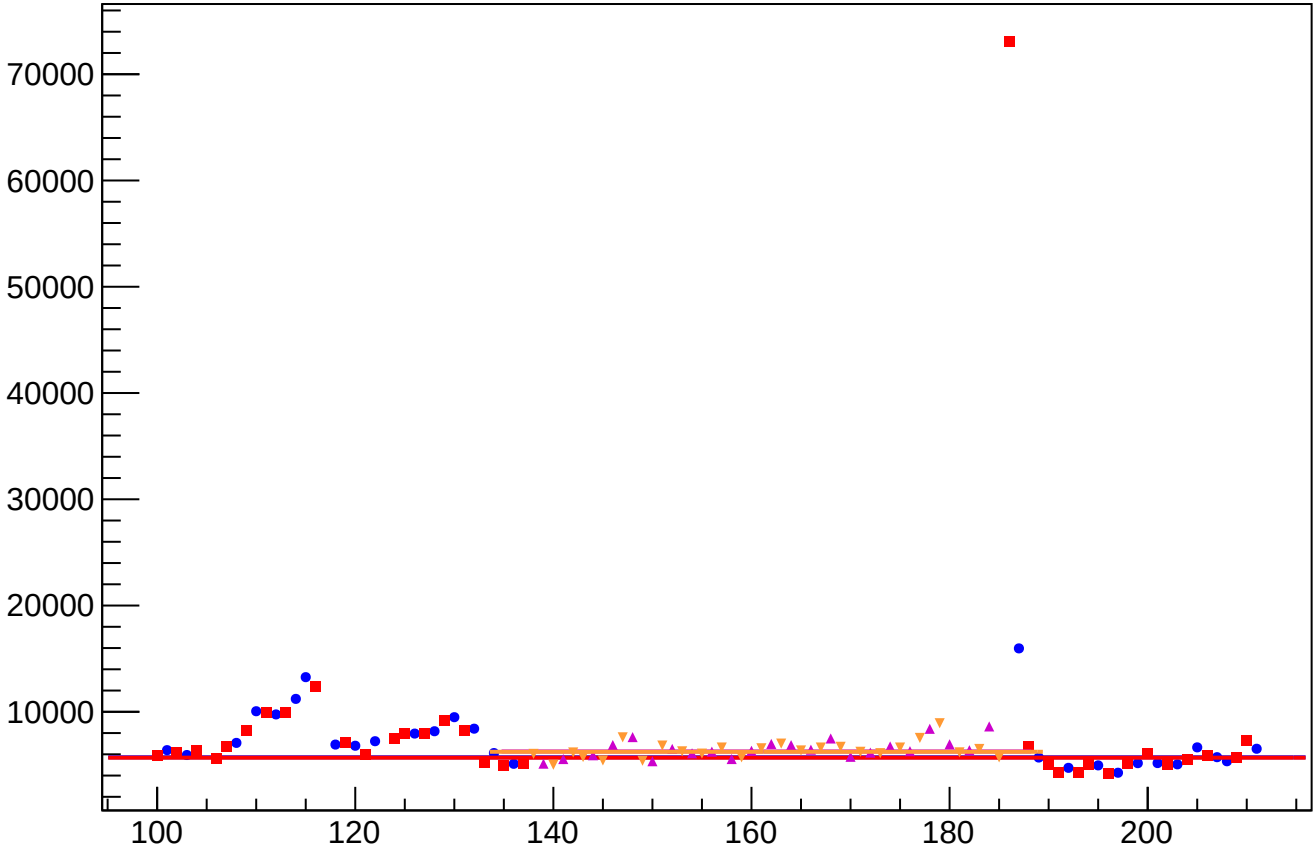
Right: -1.632+/-1.003 χ^2/NDF: 75.2/60

In: 0.235+/-1.036 χ^2/NDF:62.7/50

Out: -0.581+/-0.999 χ^2/NDF:70.4/57

All: -0.188+/-0.719 χ^2/NDF: 133.4/108

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5717.896+/-1.024 χ^2/NDF: 1625571.3/27

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5682.683+/-0.984 χ^2/NDF: 2361570.9/32

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

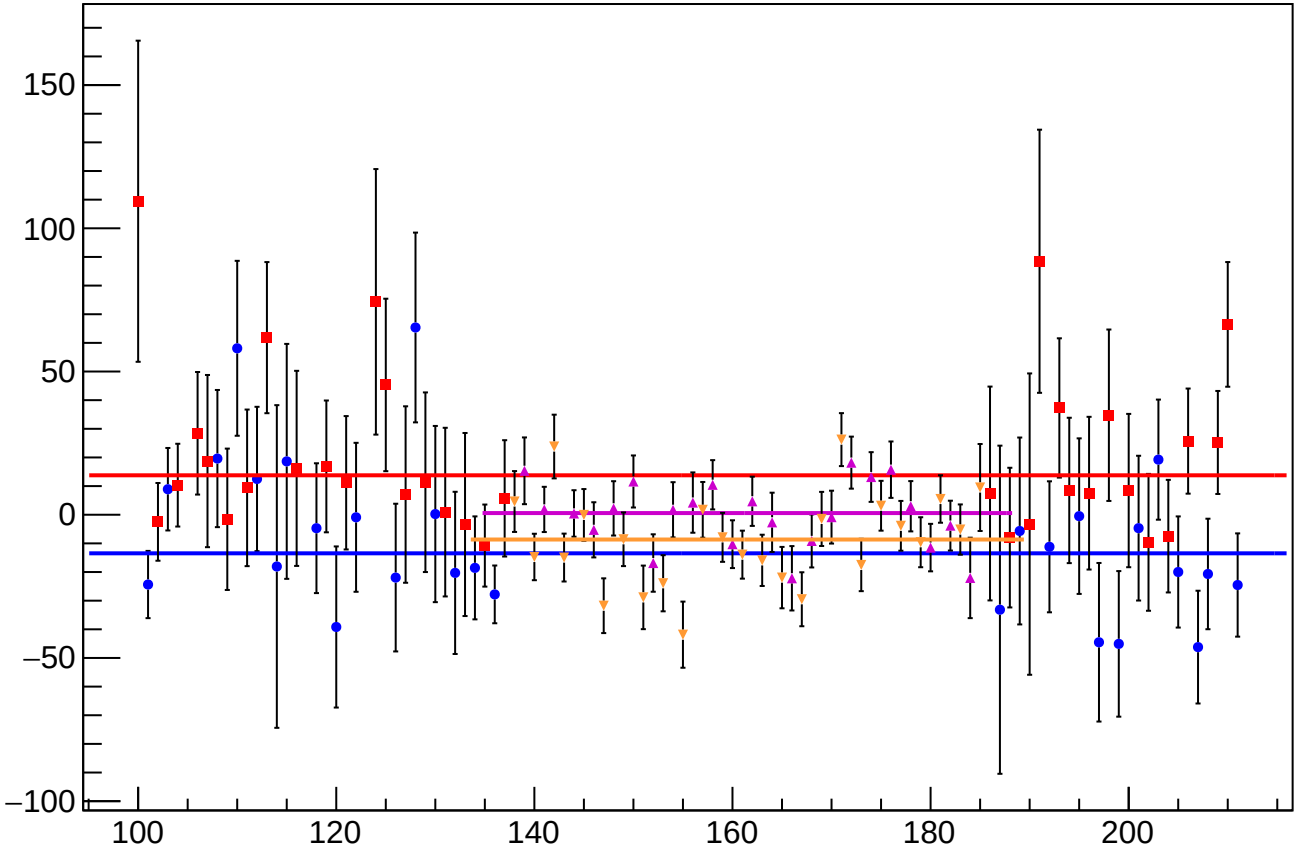
Right: 5699.591+/-0.709 χ^2/NDF: 3987757.1/60

In: 5986.730+/-0.732 χ^2/NDF:2291043.9/50

Out: 5951.815+/-0.706 χ^2/NDF:3023639.0/57

All: 5968.643+/-0.508 χ^2/NDF: 5315860.6/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -13.469+/-4.018 χ^2/NDF: 30.9/27

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 13.770+/-4.123 χ^2/NDF: 29.1/32

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

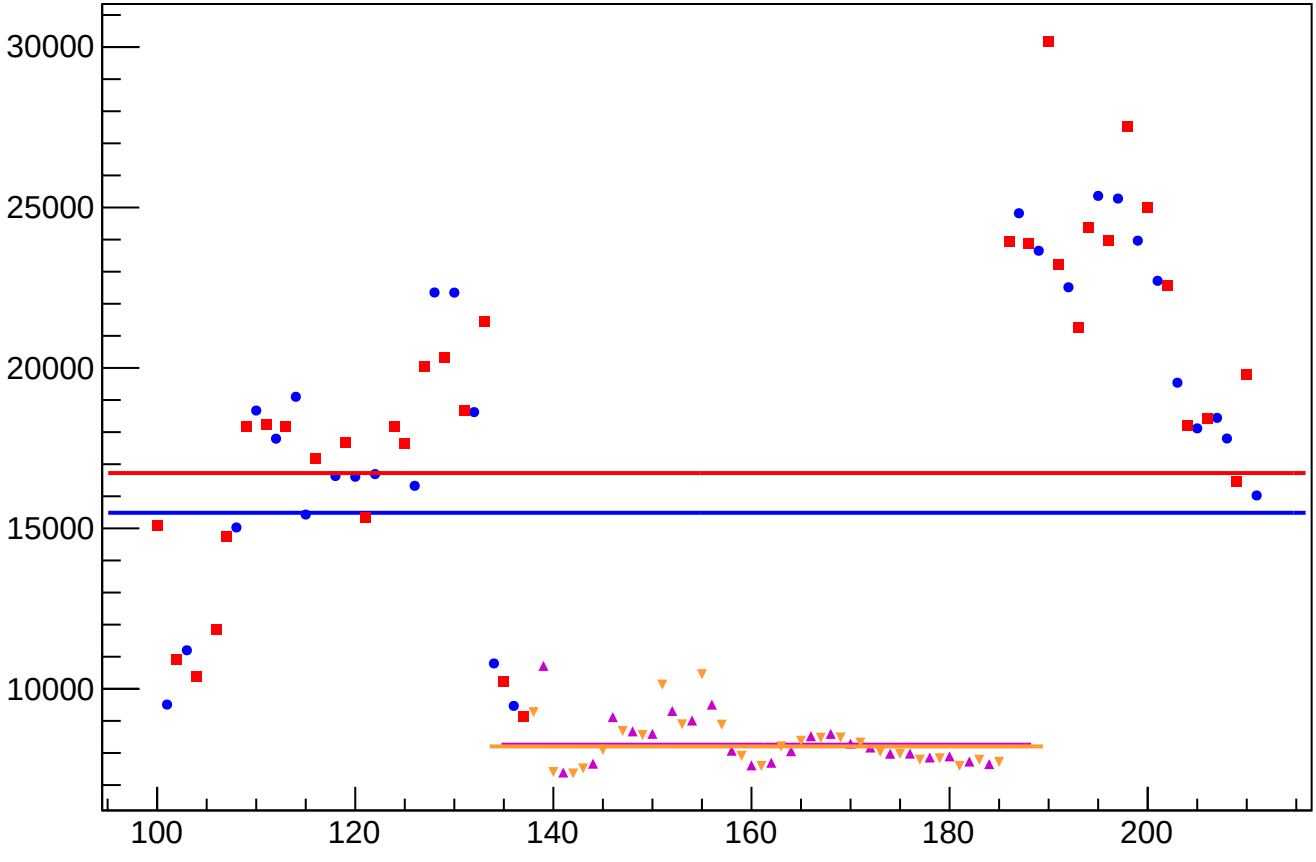
Right: -0.200+/-2.878 χ^2/NDF: 82.3/60

In: -2.071+/-1.746 χ^2/NDF:69.3/50

Out: -4.808+/-1.707 χ^2/NDF:116.6/57

All: -3.470+/-1.221 χ^2/NDF: 187.2/108

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 15486.019+/-2.841 χ^2/NDF: 3273097.5/27

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16724.316+/-2.915 χ^2/NDF: 3150750.0/32

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

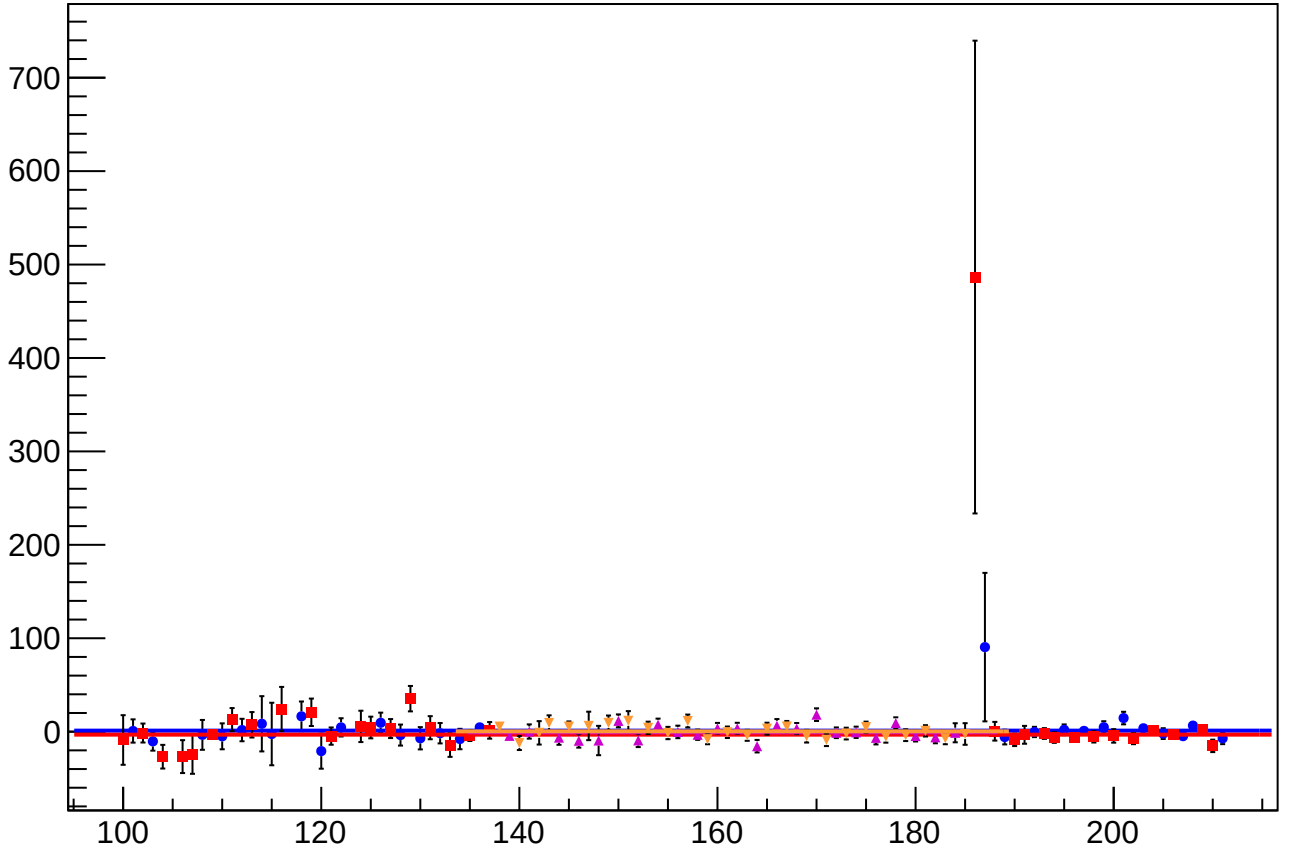
Right: 16089.252+/-2.035 χ^2/NDF: 6516375.1/60

In: 9623.930+/-1.235 χ^2/NDF:8778063.7/50

Out: 9664.717+/-1.207 χ^2/NDF:10500533.9/57

All: 9644.788+/-0.863 χ^2/NDF: 19279155.6/

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.108+/-1.441 χ^2/NDF: 18.0/27

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -3.186+/-1.364 χ^2/NDF: 34.0/32

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

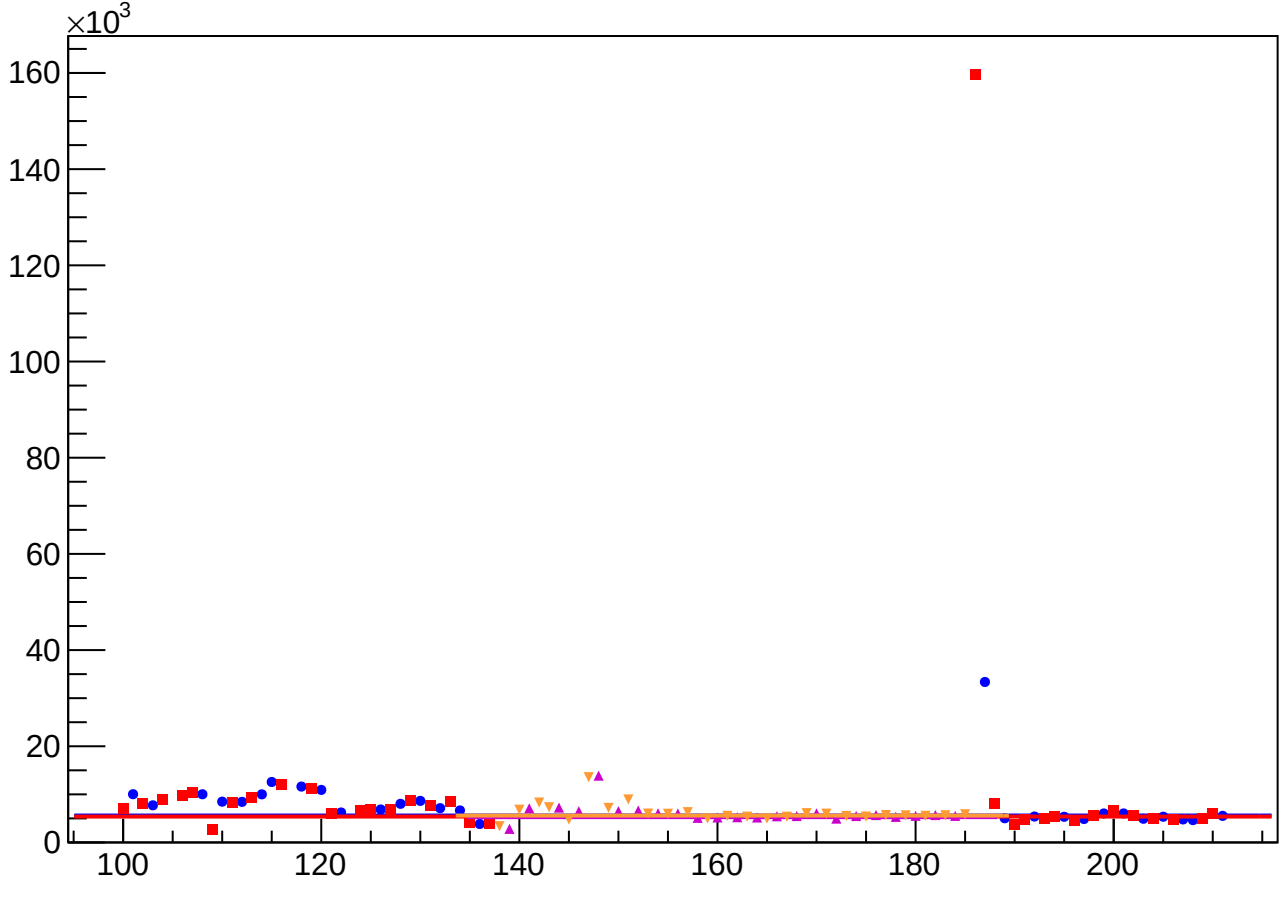
Right: -1.157+/-0.991 χ^2/NDF: 56.8/60

In: 0.100+/-0.962 χ^2/NDF:48.8/50

Out: -1.360+/-0.949 χ^2/NDF:59.0/57

All: -0.640+/-0.676 χ^2/NDF: 109.0/108

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5600.646+/-1.019 χ^2/NDF: 2435246.3/27

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.132+/-0.965 χ^2/NDF: 3815411.8/32

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

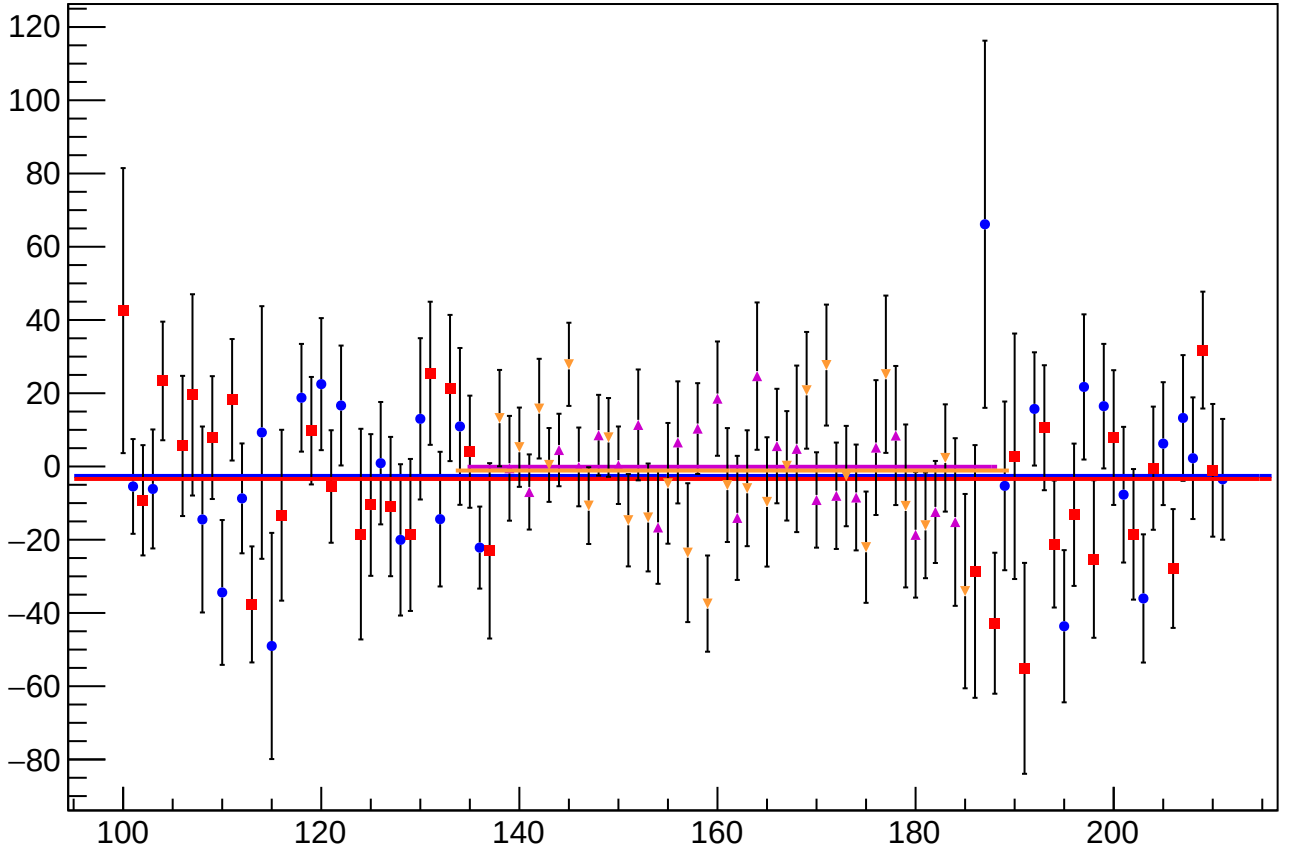
Right: 5486.989+/-0.701 χ^2/NDF: 6274244.7/60

In: 5413.206+/-0.680 χ^2/NDF:4921836.5/50

Out: 5493.145+/-0.671 χ^2/NDF:5623970.2/57

All: 5453.695+/-0.478 χ^2/NDF: 10552806.2/

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.581+/-3.372 χ^2/NDF: 30.9/27

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -3.404+/-3.287 χ^2/NDF: 38.0/32

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

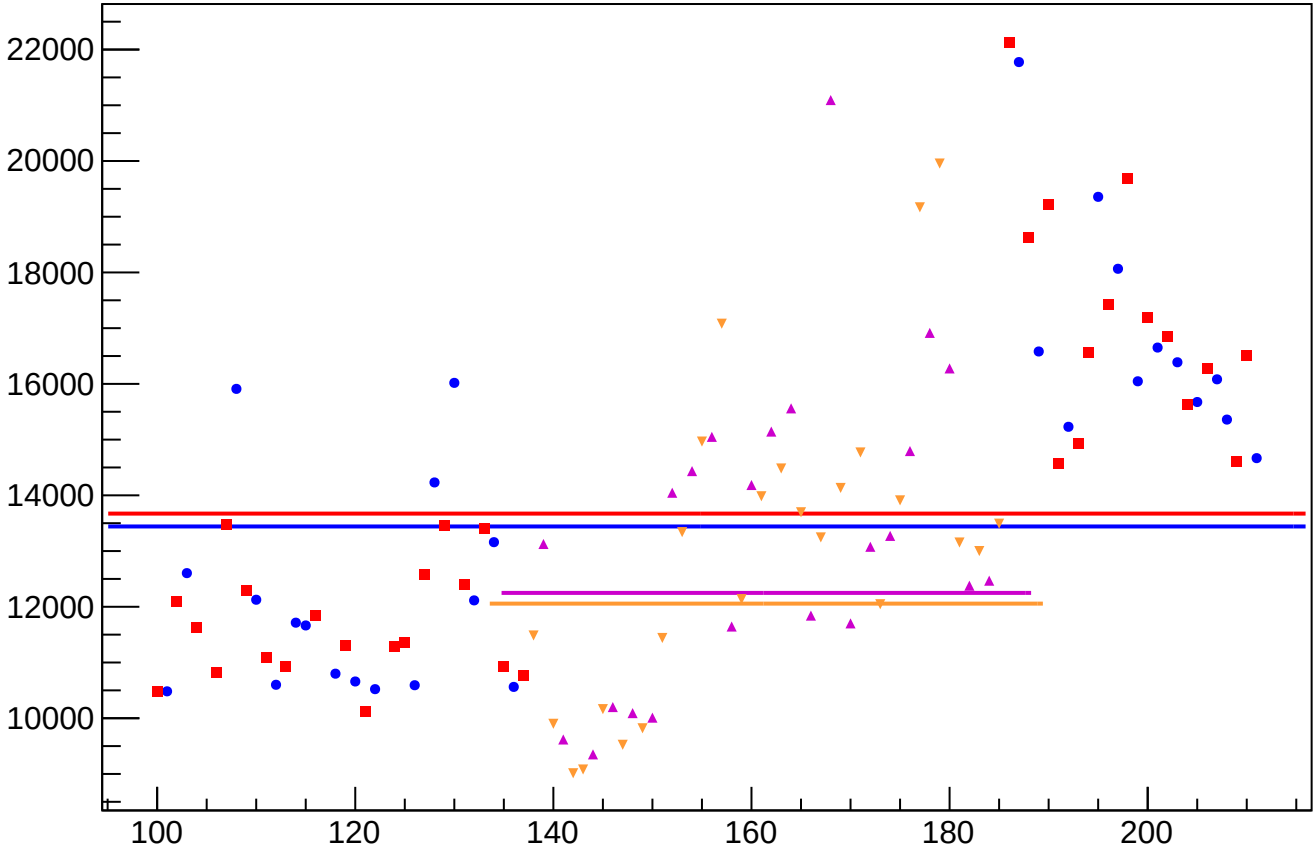
Right: -3.003+/-2.354 χ^2/NDF: 69.0/60

In: -1.157+/-2.210 χ^2/NDF:42.7/50

Out: -2.080+/-2.137 χ^2/NDF:72.1/57

All: -1.634+/-1.536 χ^2/NDF: 114.8/108

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13441.330+/-2.384 χ^2/NDF: 1302494.0/27

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13672.216+/-2.324 χ^2/NDF: 1436003.8/32

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

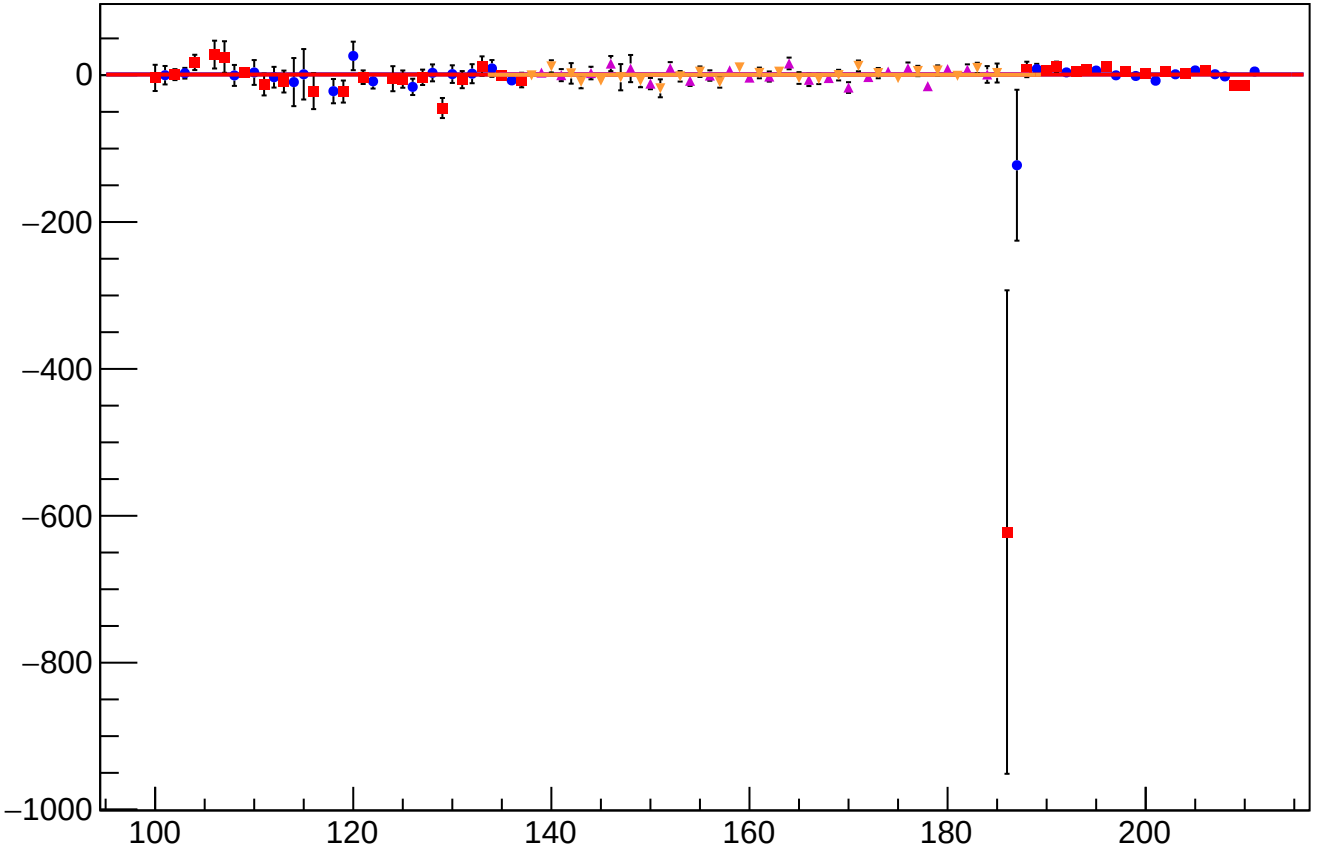
Right: 13559.719+/-1.664 χ^2/NDF: 2743305.4/60

In: 12761.251+/-1.563 χ^2/NDF:2861129.5/50

Out: 12739.668+/-1.511 χ^2/NDF:3276590.5/57

All: 12750.098+/-1.086 χ^2/NDF: 6137818.6/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 1.021+/-1.207 χ^2/NDF: 21.4/27

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.772+/-1.167 χ^2/NDF: 71.0/32

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

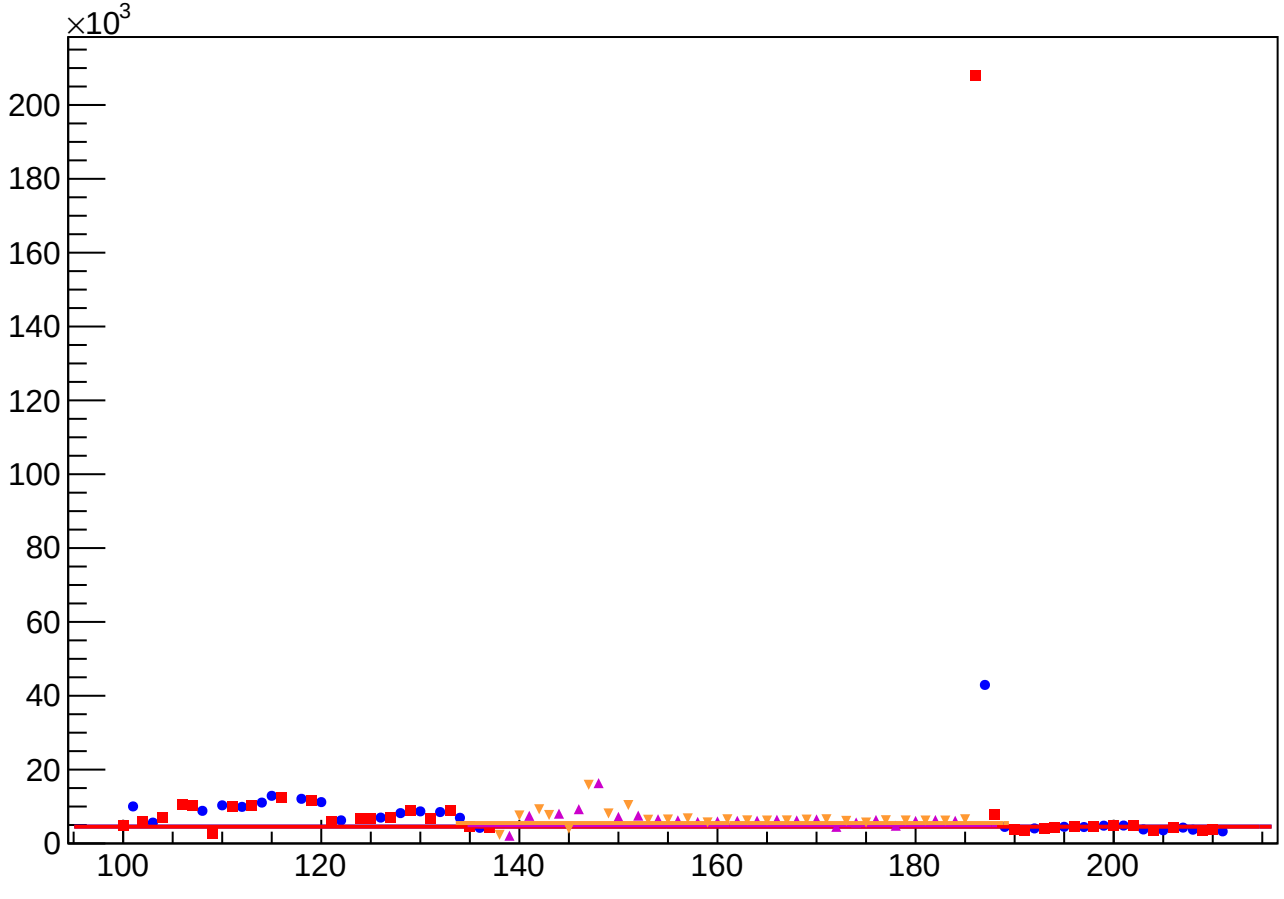
Right: 0.892+/-0.839 χ^2/NDF: 92.4/60

In: 0.986+/-0.883 χ^2/NDF:53.6/50

Out: 0.668+/-0.888 χ^2/NDF:92.5/57

All: 0.828+/-0.626 χ^2/NDF: 146.1/108

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4581.222+/-0.854 χ^2/NDF: 3706243.4/27

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4536.659+/-0.825 χ^2/NDF: 4226844.4/32

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

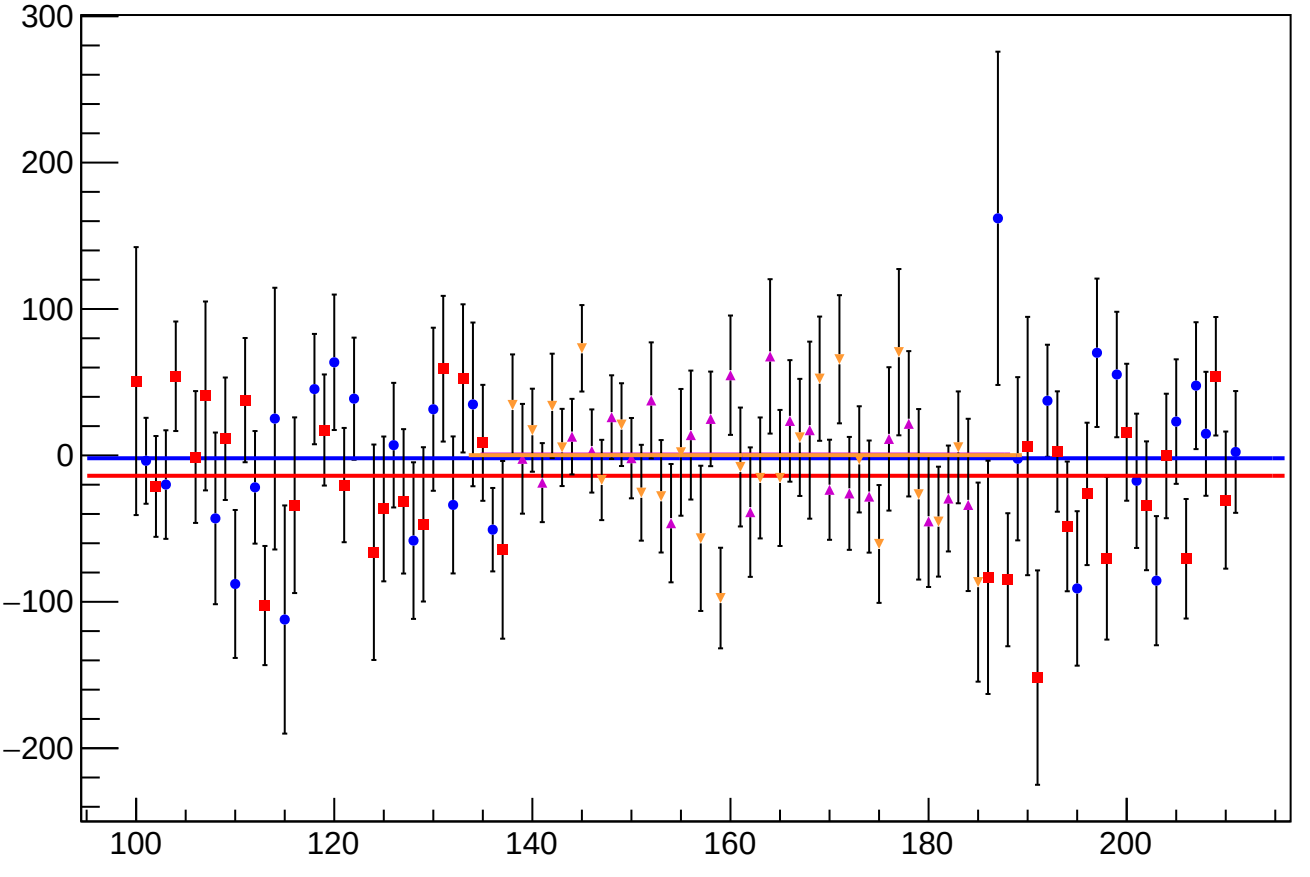
Right: 4558.189+/-0.593 χ^2/NDF: 7934496.6/60

In: 4749.044+/-0.624 χ^2/NDF:9725457.3/50

Out: 4953.979+/-0.628 χ^2/NDF:9210022.1/57

All: 4850.898+/-0.443 χ^2/NDF: 18989050.5/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -1.943+/-8.421 χ^2/NDF: 31.1/27

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.914+/-8.210 χ^2/NDF: 32.4/32

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

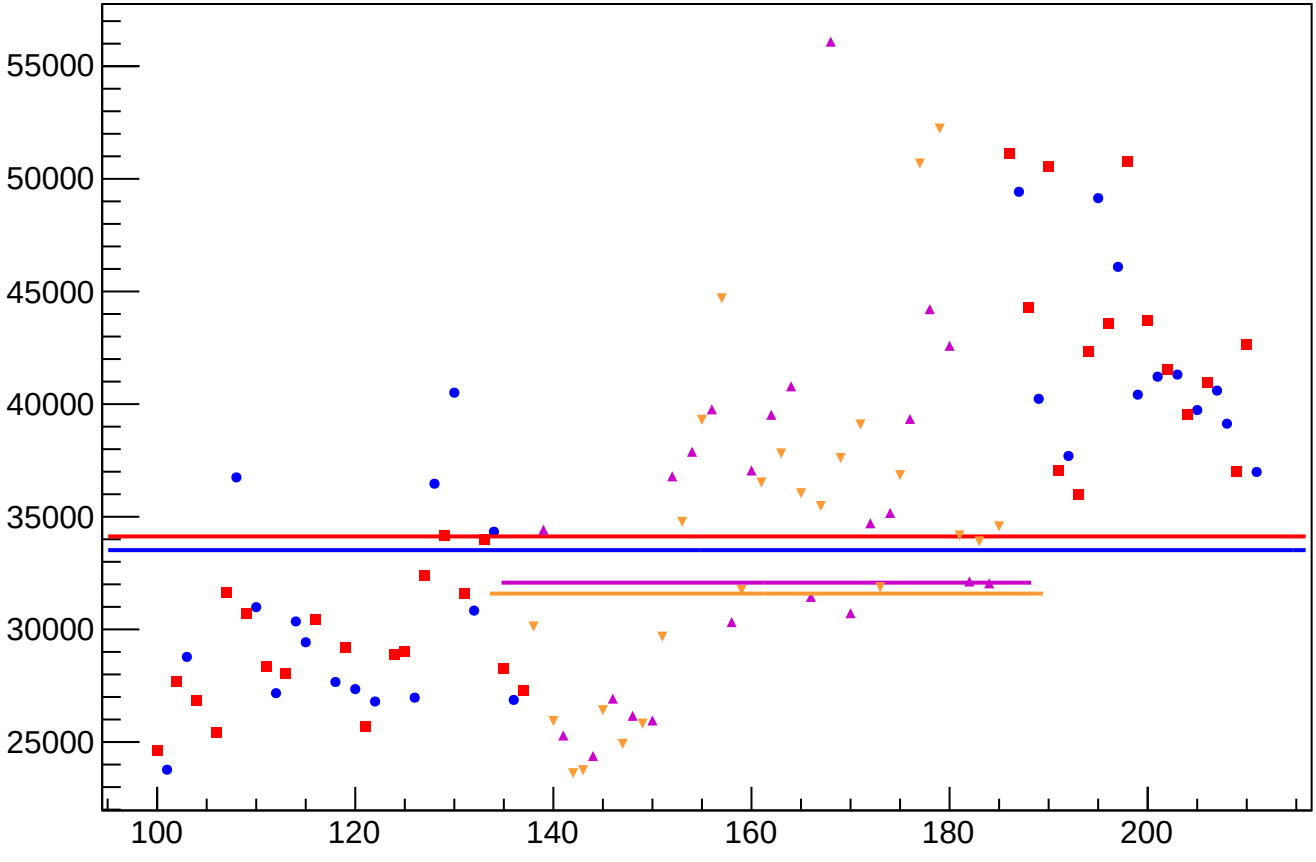
Right: -8.081+/-5.878 χ^2/NDF: 64.6/60

In: -0.560+/-5.669 χ^2/NDF:44.0/50

Out: -6.121+/-5.486 χ^2/NDF:65.2/57

All: -3.432+/-3.942 χ^2/NDF: 109.7/108

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 33518.027+/-5.954 χ^2/NDF: 1369910.2/27

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34126.630+/-5.805 χ^2/NDF: 1478401.3/32

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

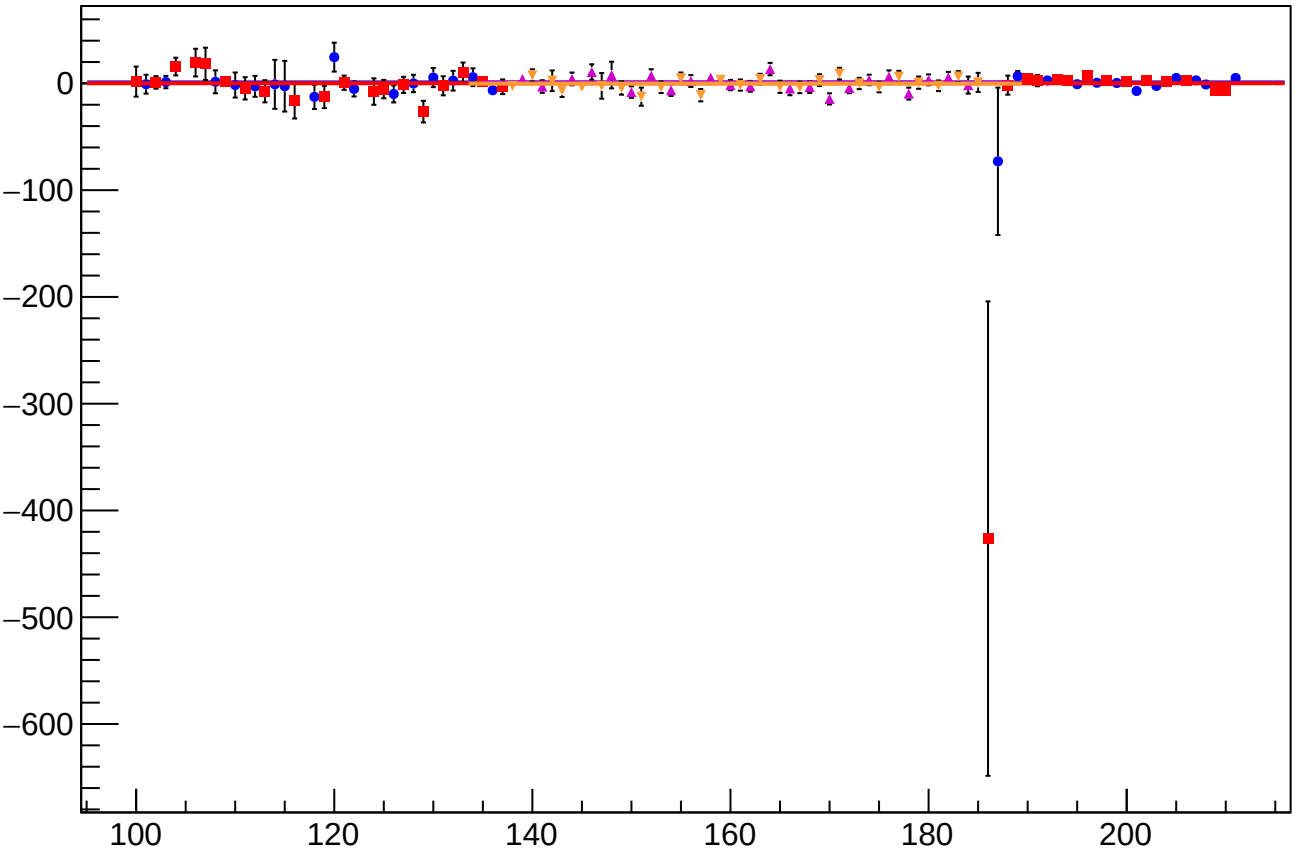
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 33830.062+/-4.157 χ^2/NDF: 2853667.6/60

In: 32729.074+/-4.009 χ^2/NDF:2857732.7/50

Out: 32722.741+/-3.879 χ^2/NDF:3174952.3/57

All: 32725.803+/-2.788 χ^2/NDF: 6032686.3/1



Right In: 0.896+/-0.724 χ^2/NDF: 33.4/27

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.131+/-0.736 χ^2/NDF: 56.7/32

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

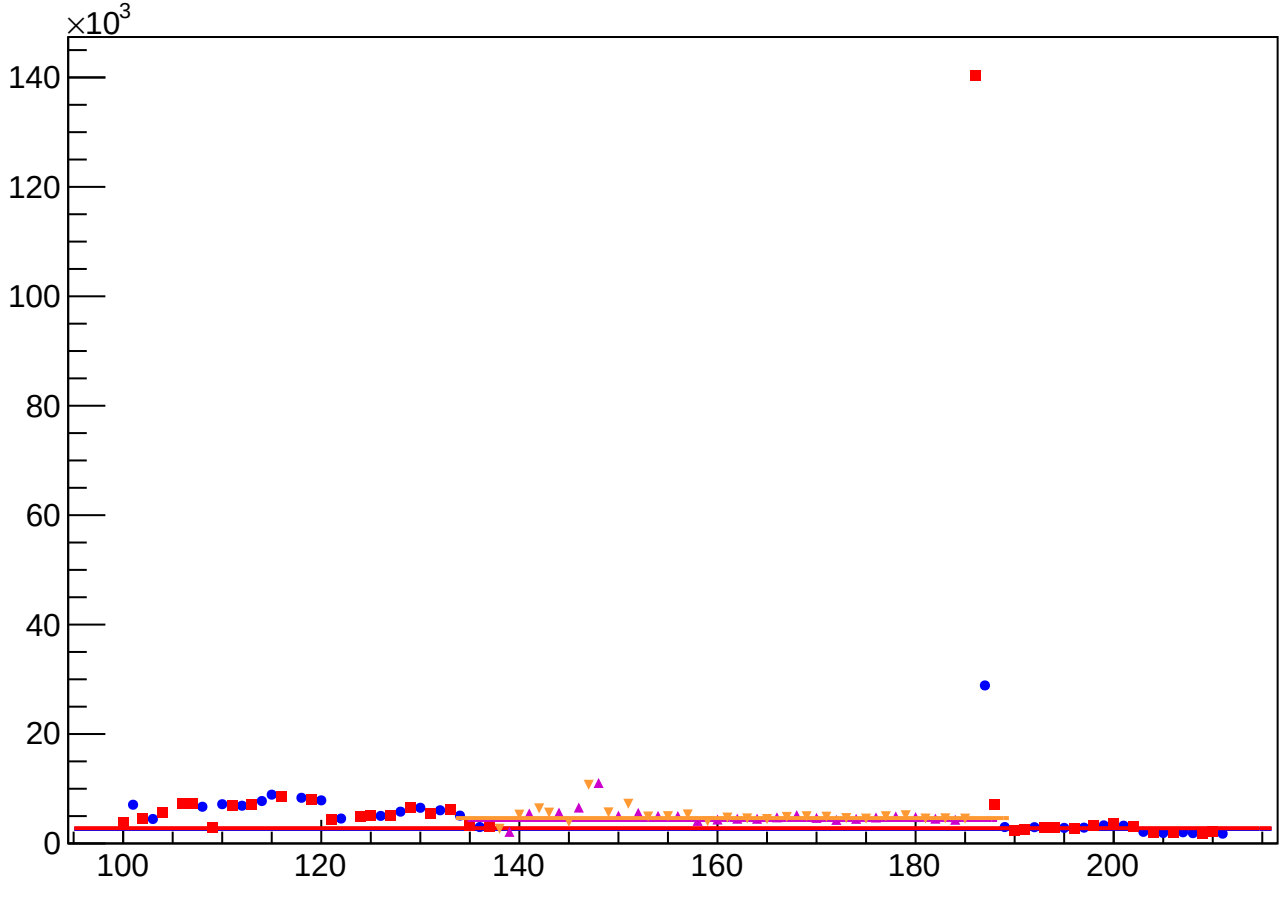
Right: 0.520+/-0.516 χ^2/NDF: 90.6/60

In: 0.862+/-0.598 χ^2/NDF:67.1/50

Out: 0.020+/-0.611 χ^2/NDF:76.6/57

All: 0.450+/-0.427 χ^2/NDF: 144.7/108

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2647.083+/-0.512 χ^2/NDF: 5786099.4/27

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2791.485+/-0.521 χ^2/NDF: 6120230.8/32

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

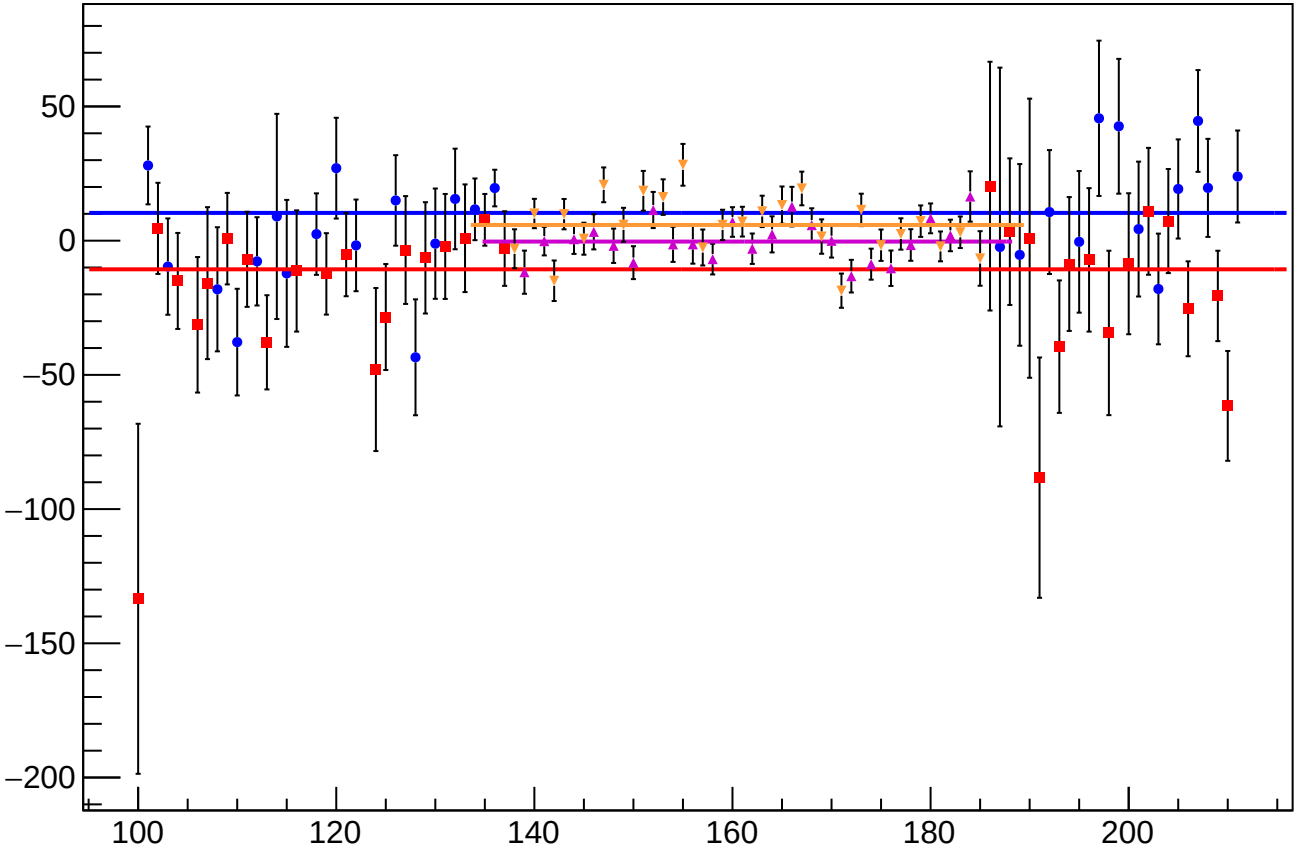
Right: 2718.031+/-0.365 χ^2/NDF: 11945440.6/60

In: 3170.717+/-0.423 χ^2/NDF:12176016.9/50

Out: 3367.218+/-0.432 χ^2/NDF:11801927.6/57

All: 3266.843+/-0.302 χ^2/NDF: 24083634.7/

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 10.345+/-3.301 χ^2/NDF: 32.0/27

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -10.672+/-3.473 χ^2/NDF: 29.8/32

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

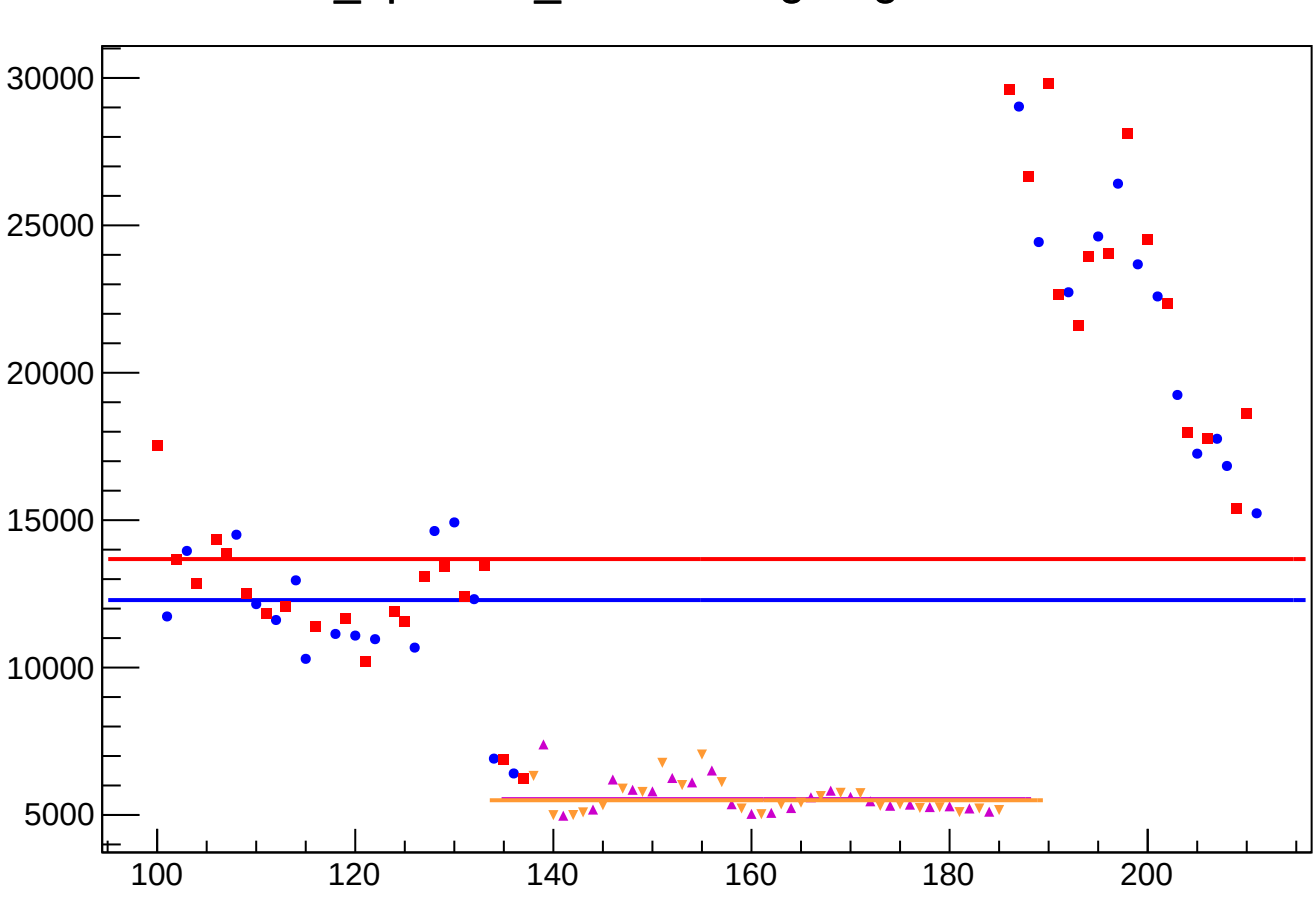
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.370+/-2.392 χ^2/NDF: 81.0/60

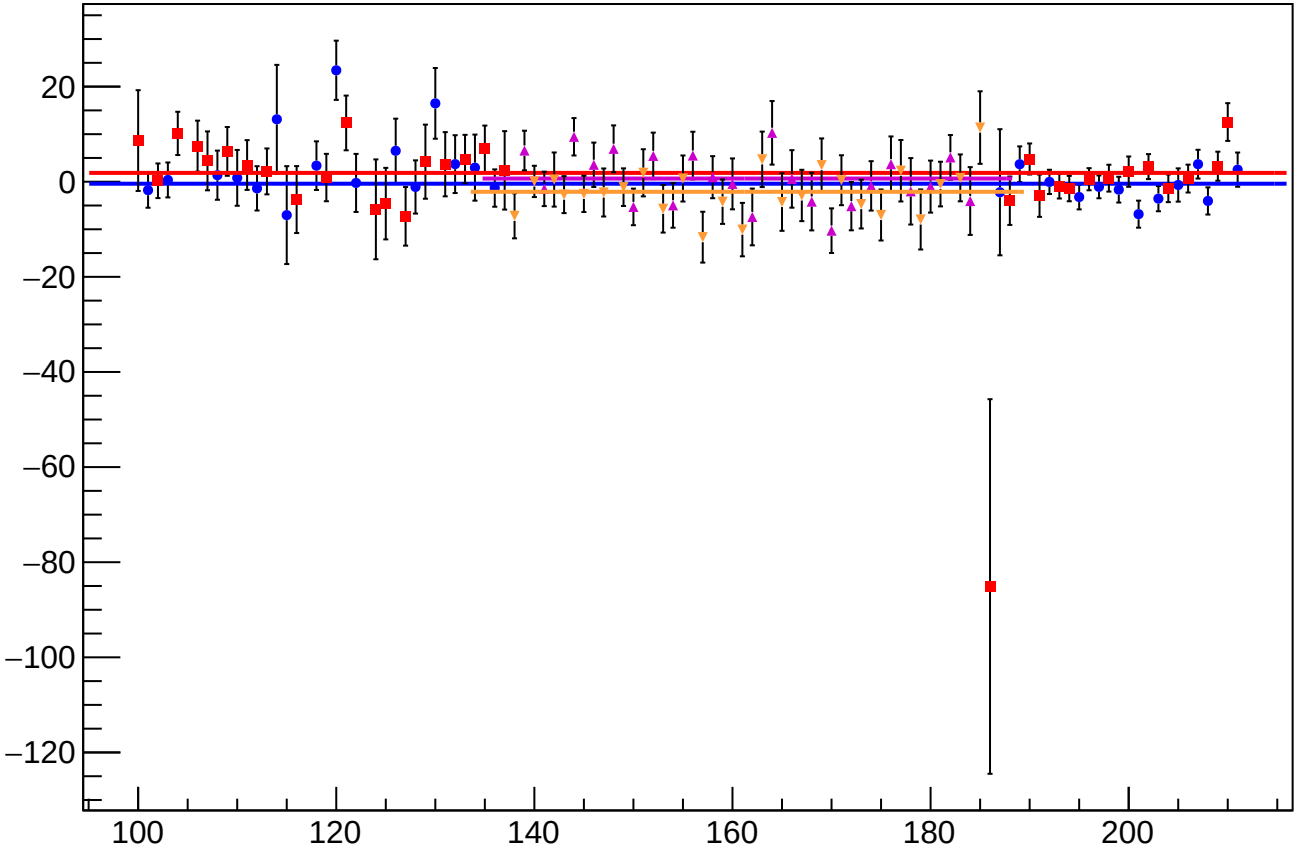
In: 1.099+/-1.210 χ^2/NDF:70.4/50

Out: 3.934+/-1.182 χ^2/NDF:109.9/57

All: 2.550+/-0.846 χ^2/NDF: 183.1/108


diff_bpm16X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 12289.237+/-2.334 χ²/NDF: 5260599.5/27
Left Out: 5499.215+/-0.889 χ²/NDF:297719.4/24
Right Out: 13680.318+/-2.456 χ²/NDF: 5028296.8/32
Left In: 5537.777+/-0.920 χ²/NDF:304062.1/22
Left: 5517.842+/-0.639 χ²/NDF: 602690.2/47
Right: 12949.505+/-1.692 χ²/NDF: 10457497.6/60
In: 6445.329+/-0.856 χ²/NDF:12807178.5/50
Out: 6447.483+/-0.836 χ²/NDF:15139500.6/57
All: 6446.431+/-0.598 χ²/NDF: 27946682.4/

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.726 χ^2/NDF: 37.7/27

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.857+/-0.703 χ^2/NDF: 35.6/32

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

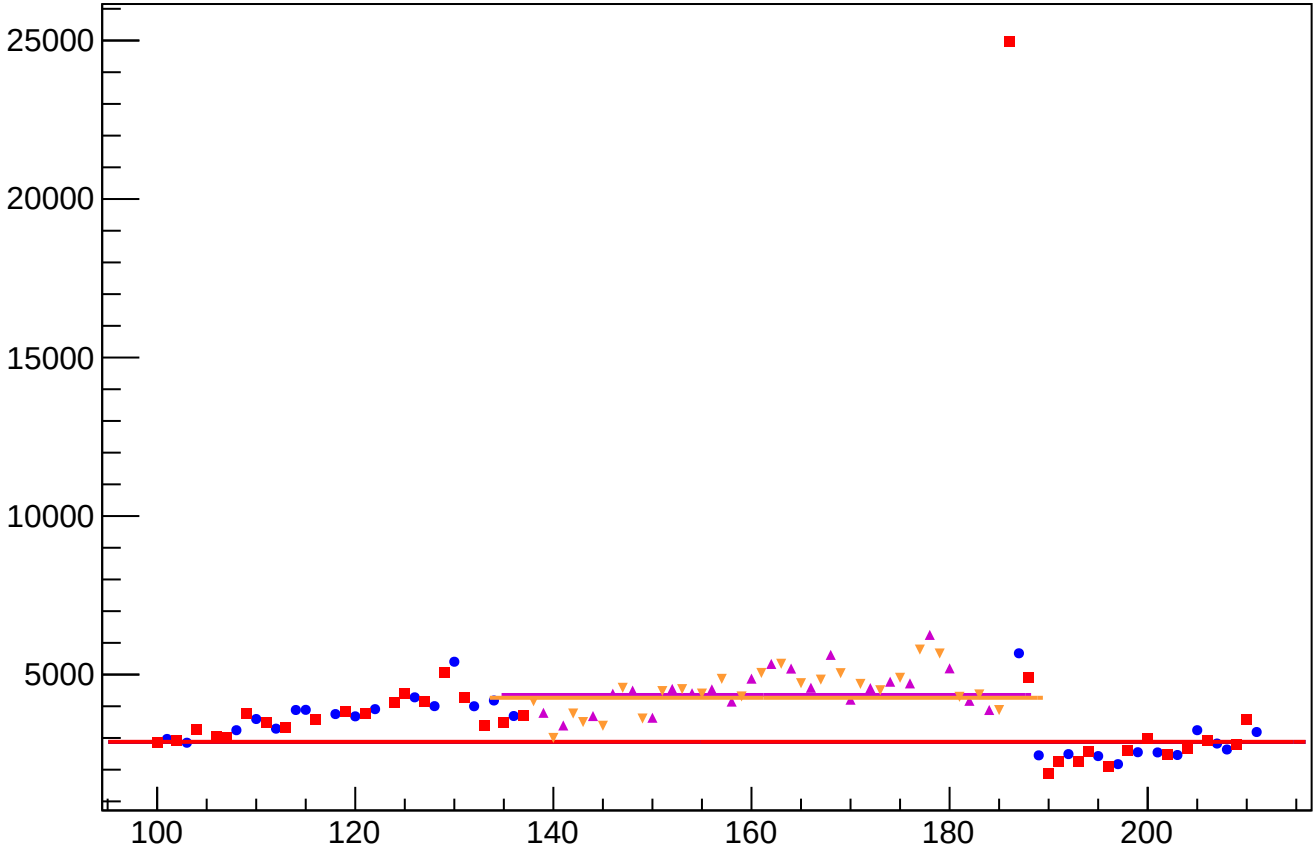
Right: 0.755+/-0.505 χ^2/NDF: 78.4/60

In: -0.058+/-0.594 χ^2/NDF:66.8/50

Out: 0.520+/-0.573 χ^2/NDF:63.8/57

All: 0.241+/-0.412 χ^2/NDF: 131.1/108

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2873.335+/-0.513 χ^2/NDF: 1414403.6/27

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2878.373+/-0.497 χ^2/NDF: 2481718.3/32

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

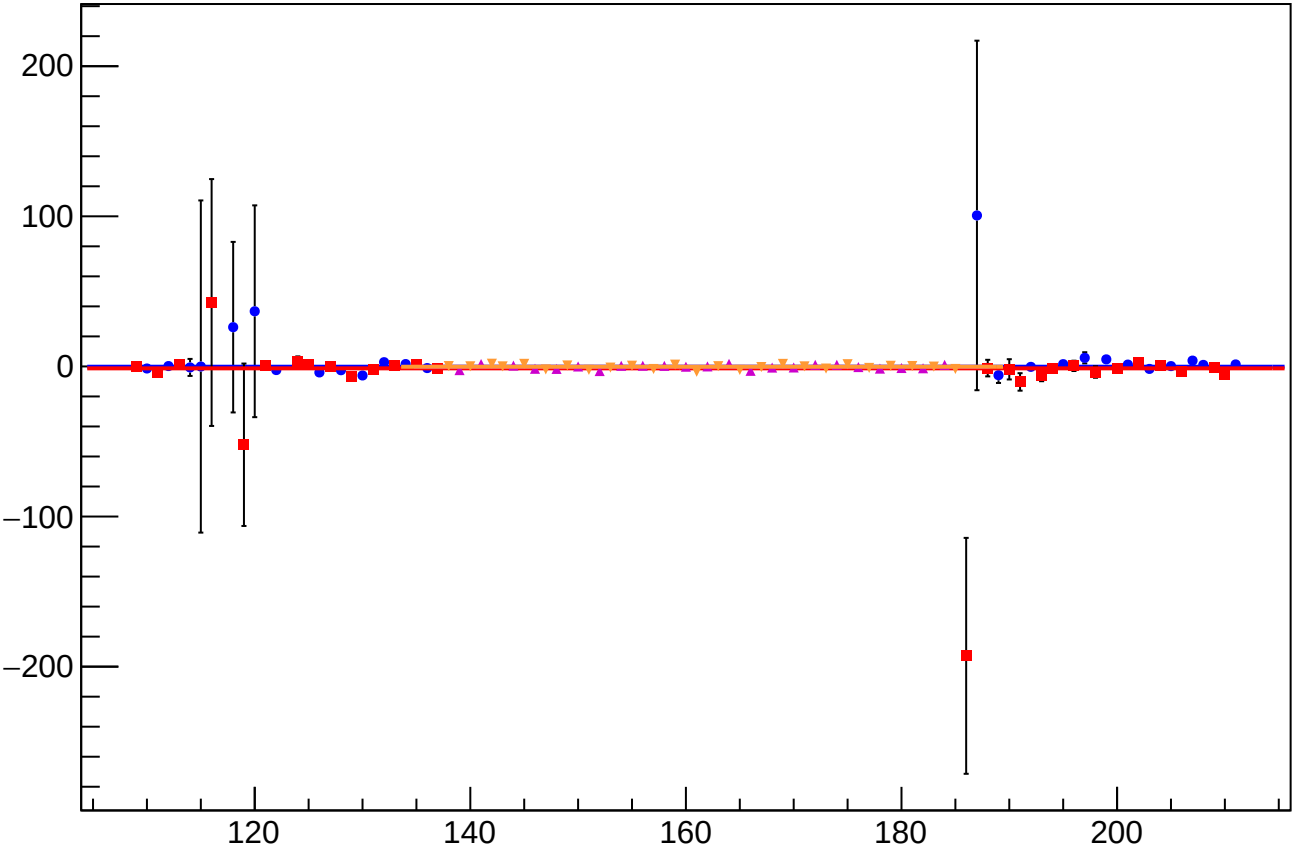
Right: 2875.934+/-0.357 χ^2/NDF: 3896171.6/60

In: 3364.866+/-0.420 χ^2/NDF:4922432.3/50

Out: 3346.132+/-0.405 χ^2/NDF:6143218.1/57

All: 3355.166+/-0.291 χ^2/NDF: 11066681.9/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.199+/-0.543 χ^2/NDF: 26.7/24

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.281+/-0.540 χ^2/NDF: 30.9/27

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

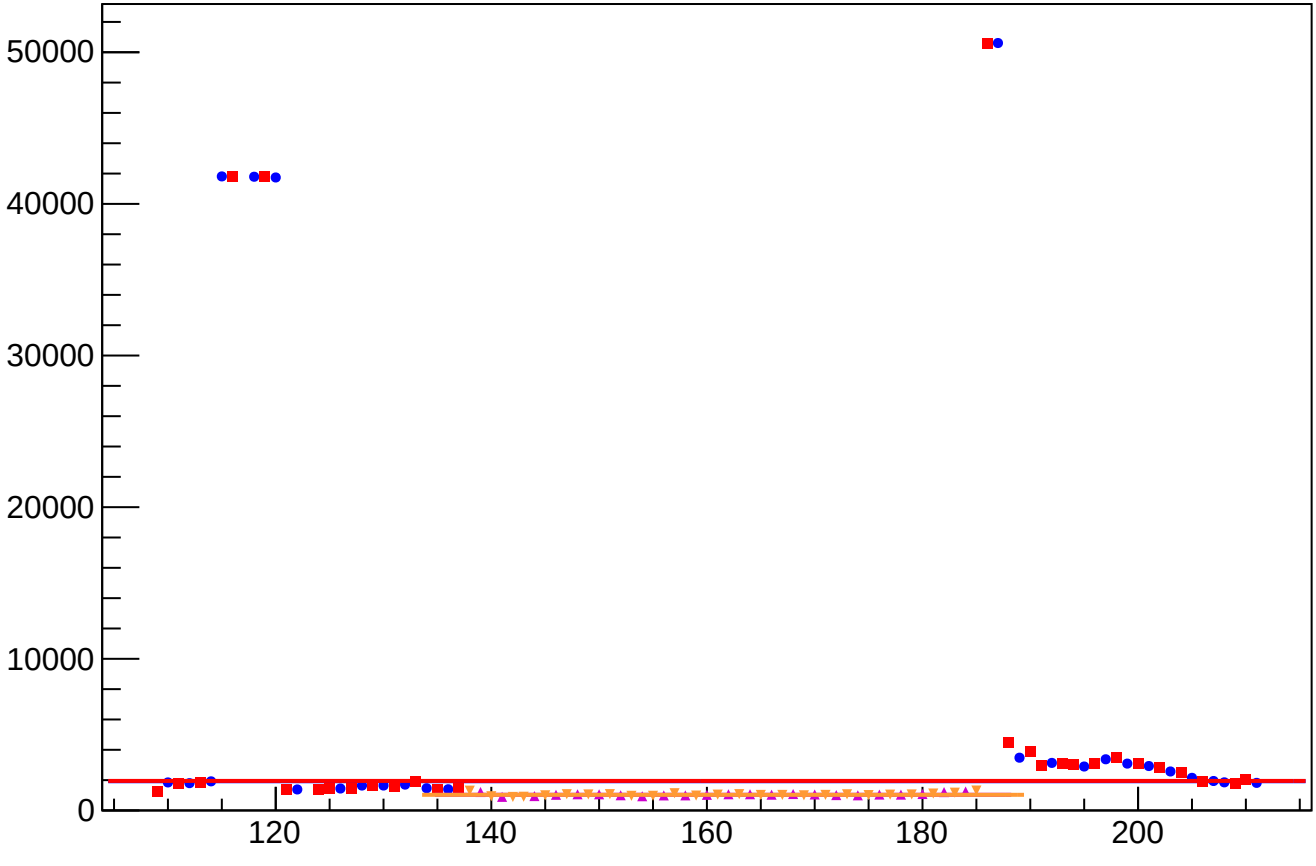
Right: -0.742+/-0.383 χ^2/NDF: 59.7/52

In: -0.311+/-0.221 χ^2/NDF:56.2/47

Out: -0.373+/-0.216 χ^2/NDF:68.2/52

All: -0.343+/-0.154 χ^2/NDF: 124.5/100

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1926.161+/-0.384 χ^2/NDF: 4395864.2/24

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1948.070+/-0.382 χ^2/NDF: 5365270.8/27

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

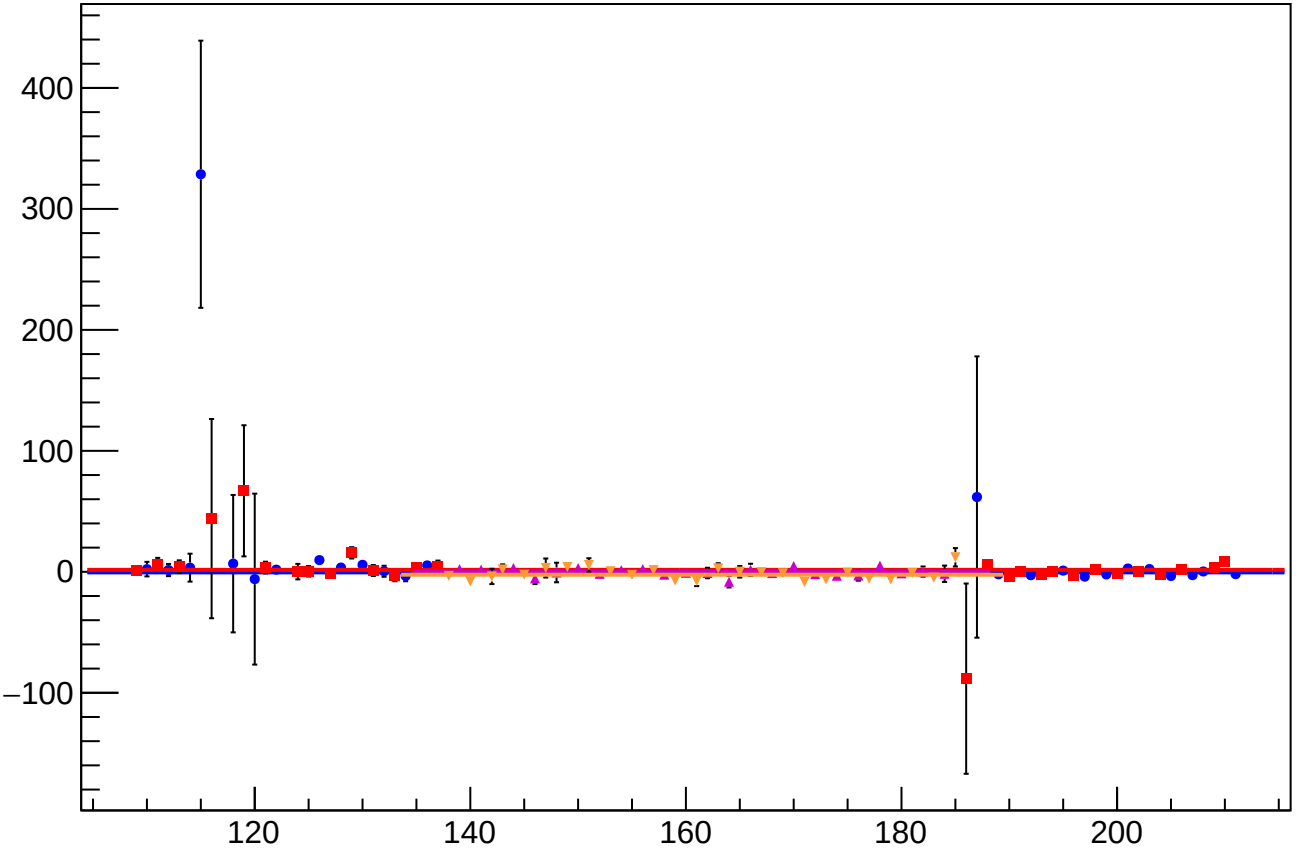
Right: 1937.160+/-0.271 χ^2/NDF: 9762772.4/52

In: 1181.147+/-0.156 χ^2/NDF:9105943.3/47

Out: 1177.798+/-0.153 χ^2/NDF:10445960.1/52

All: 1179.432+/-0.109 χ^2/NDF: 19552138.3/1

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -0.459+/-0.486 χ^2/NDF: 45.3/24

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 1.632+/-0.493 χ^2/NDF: 59.7/27

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

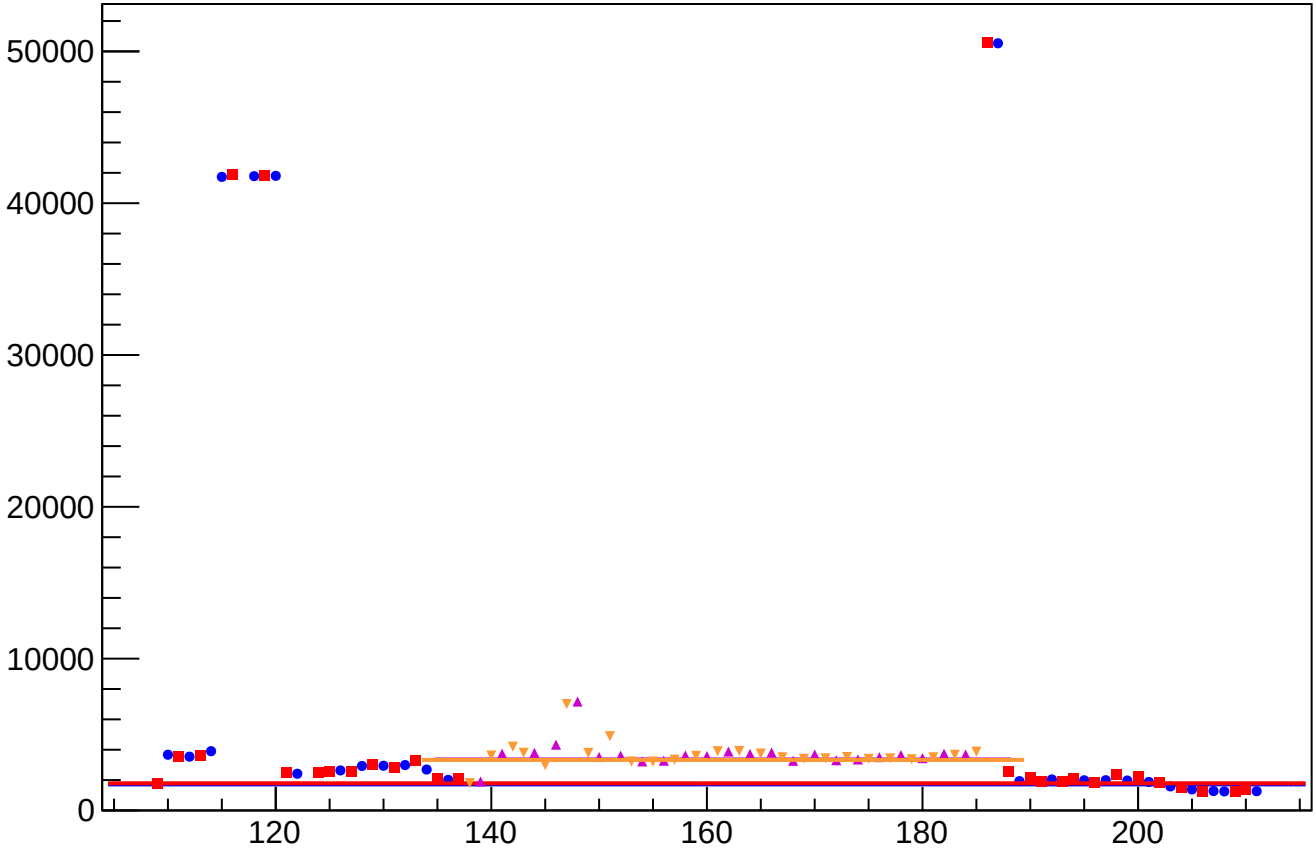
Right: 0.571+/-0.346 χ^2/NDF: 114.1/52

In: -0.292+/-0.417 χ^2/NDF:58.4/47

Out: 0.490+/-0.417 χ^2/NDF:102.8/52

All: 0.099+/-0.295 χ^2/NDF: 163.0/100

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1715.753+/-0.344 χ^2/NDF: 4535248.2/24

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1789.839+/-0.349 χ^2/NDF: 4656825.1/27

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

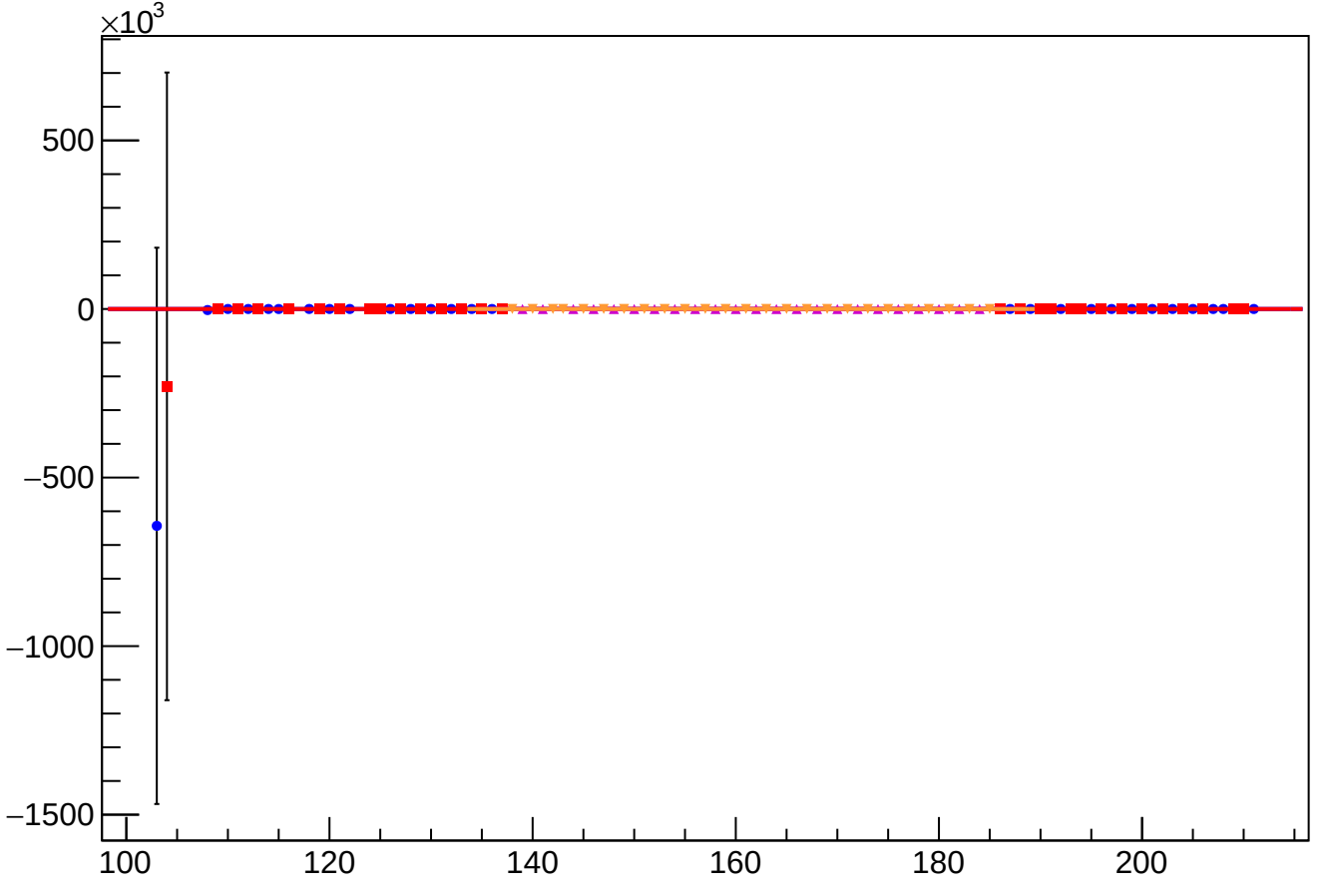
Right: 1752.253+/-0.245 χ^2/NDF: 9214959.8/52

In: 2151.673+/-0.295 χ^2/NDF:12253773.2/47

Out: 2227.681+/-0.295 χ^2/NDF:12108498.4/52

All: 2189.635+/-0.208 χ^2/NDF: 24395495.3/

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.488+/-0.579 χ^2/NDF: 29.4/26

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.117+/-0.578 χ^2/NDF: 30.3/28

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

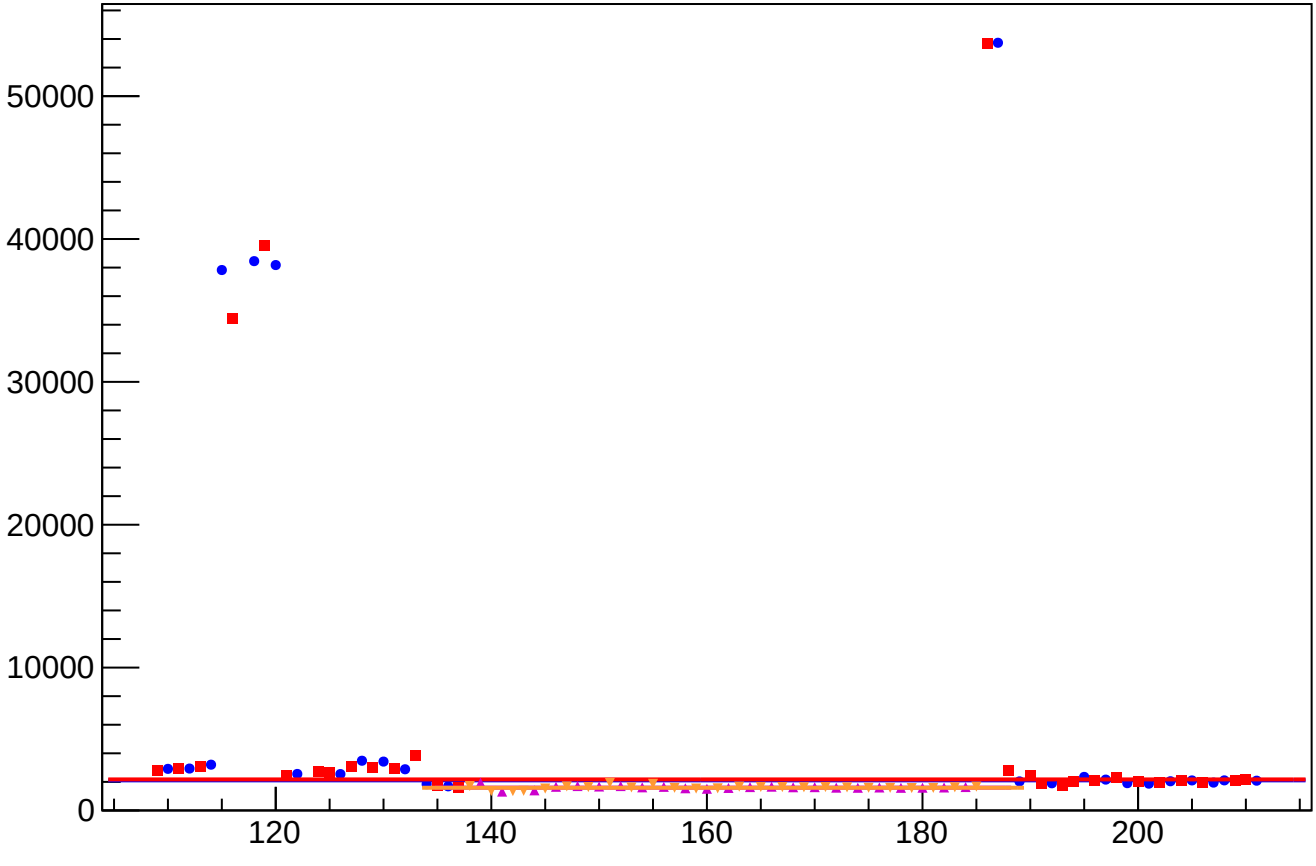
Right: 0.319+/-0.409 χ^2/NDF: 79.2/55

In: -0.451+/-0.314 χ^2/NDF:61.3/49

Out: -0.529+/-0.307 χ^2/NDF:109.9/53

All: -0.491+/-0.220 χ^2/NDF: 171.2/103

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2107.193+/-0.410 χ^2/NDF: 2981371.3/24

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2172.575+/-0.409 χ^2/NDF: 3248941.4/27

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

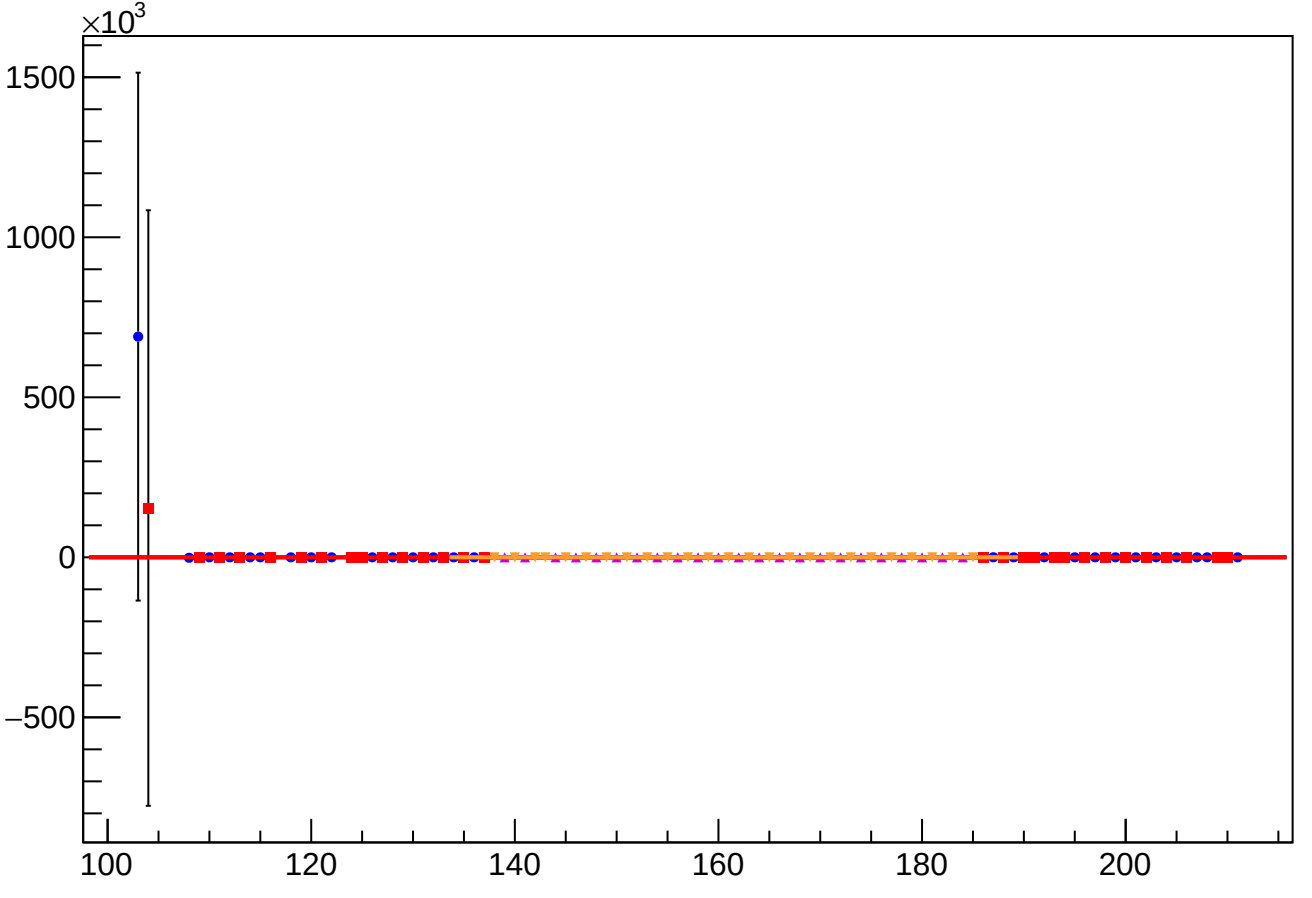
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2139.961+/-0.289 χ^2/NDF: 6243078.1/52

In: 1746.742+/-0.222 χ^2/NDF:4275690.3/47

Out: 1754.355+/-0.217 χ^2/NDF:4941326.2/52

All: 1750.636+/-0.155 χ^2/NDF: 9217616.0/10



Right In: -0.046+/-0.421 χ^2/NDF: 27.1/26

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.408+/-0.424 χ^2/NDF: 33.3/28

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

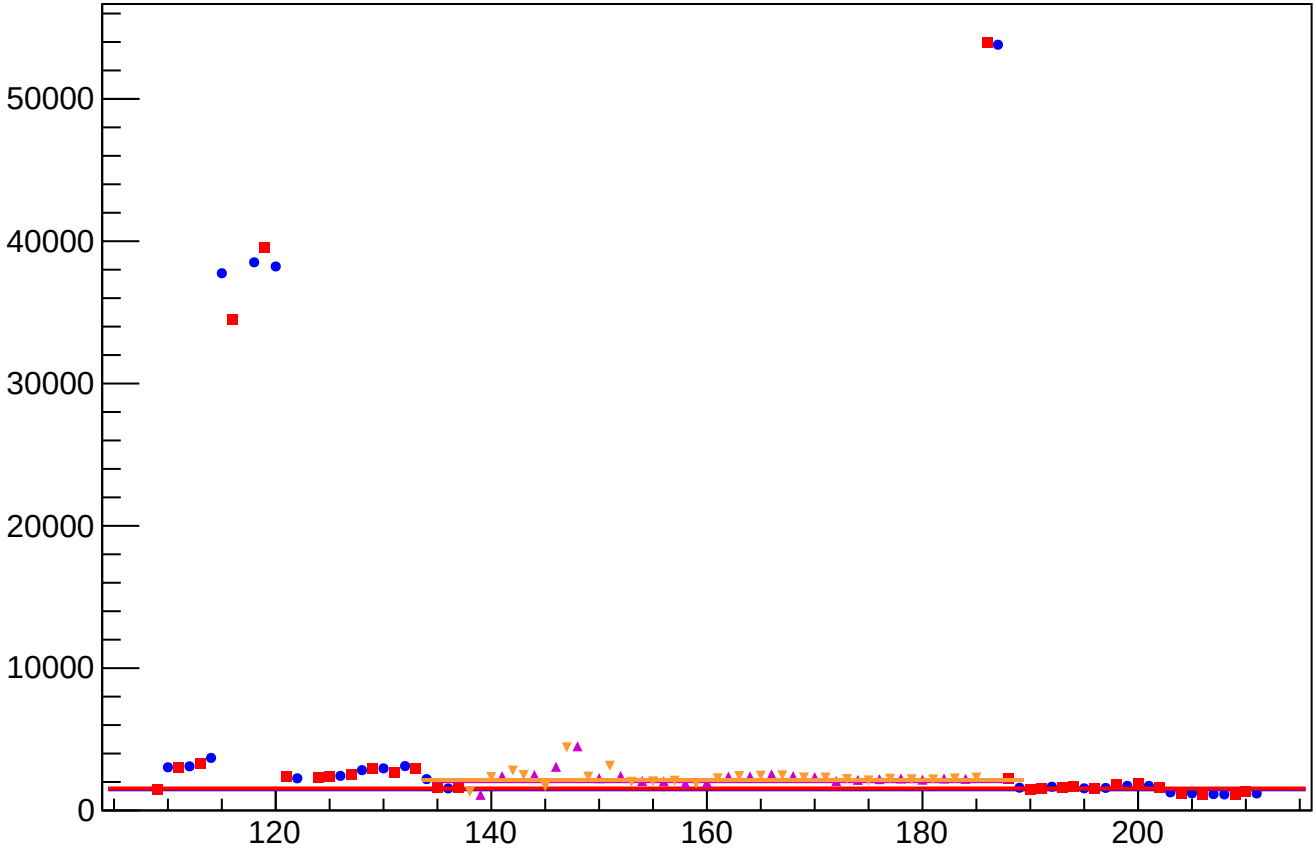
Right: 0.179+/-0.299 χ^2/NDF: 61.0/55

In: -0.078+/-0.322 χ^2/NDF:44.0/49

Out: -0.252+/-0.324 χ^2/NDF:63.5/53

All: -0.165+/-0.228 χ^2/NDF: 107.7/103

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1486.049+/-0.297 χ^2/NDF: 4497365.0/24

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1541.093+/-0.300 χ^2/NDF: 4568289.6/27

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

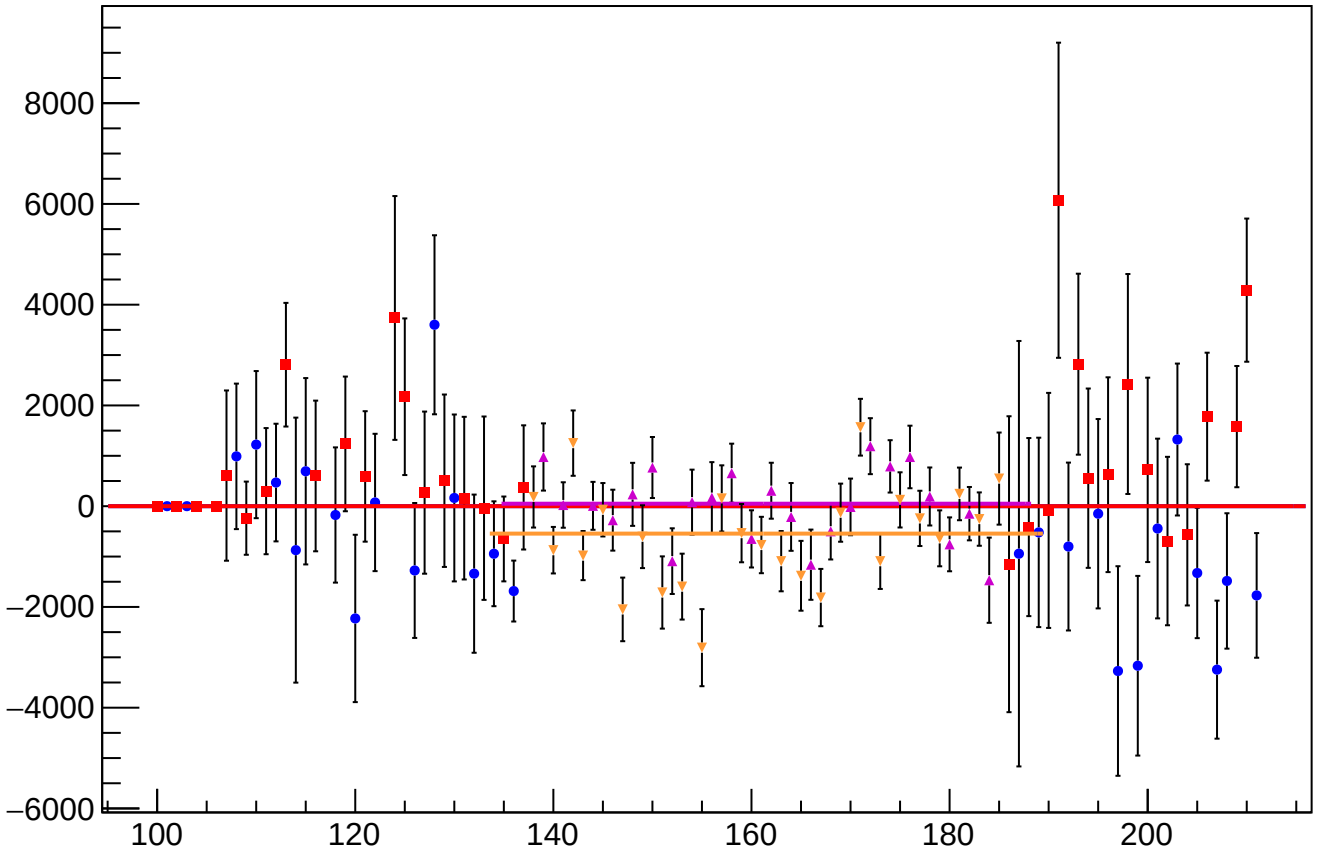
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1513.363+/-0.211 χ^2/NDF: 9082644.3/52

In: 1722.520+/-0.228 χ^2/NDF:8319918.0/47

Out: 1789.790+/-0.229 χ^2/NDF:7704145.6/52

All: 1755.972+/-0.162 χ^2/NDF: 16067406.6/1



Right In: 0.255+/-0.356 χ^2/NDF: 34.5/27

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.095+/-0.328 χ^2/NDF: 36.6/32

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

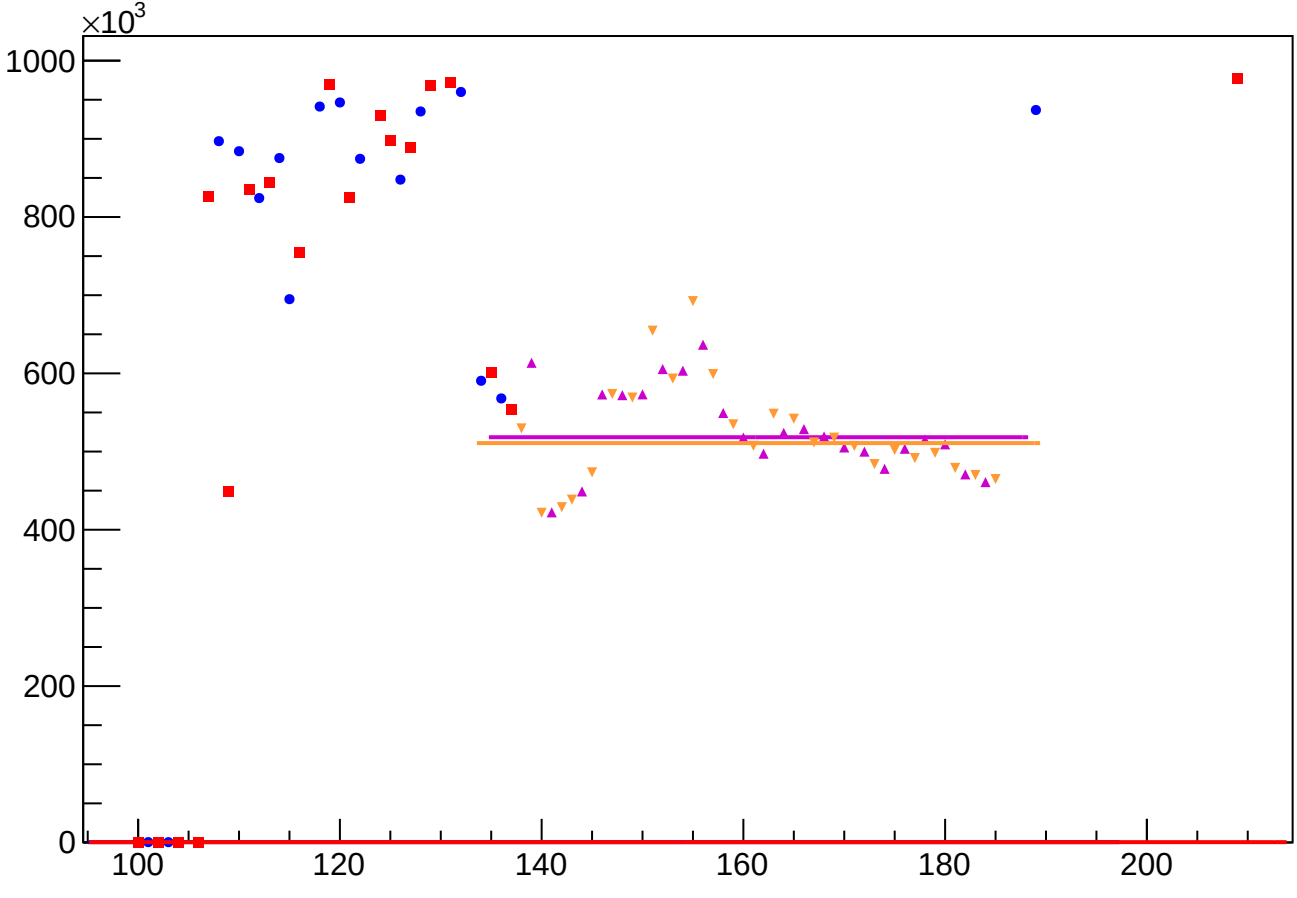
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 71.6/60

In: 0.255+/-0.356 χ^2/NDF:62.6/50

Out: -0.099+/-0.328 χ^2/NDF:119.0/57

All: 0.063+/-0.241 χ^2/NDF: 182.2/108



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

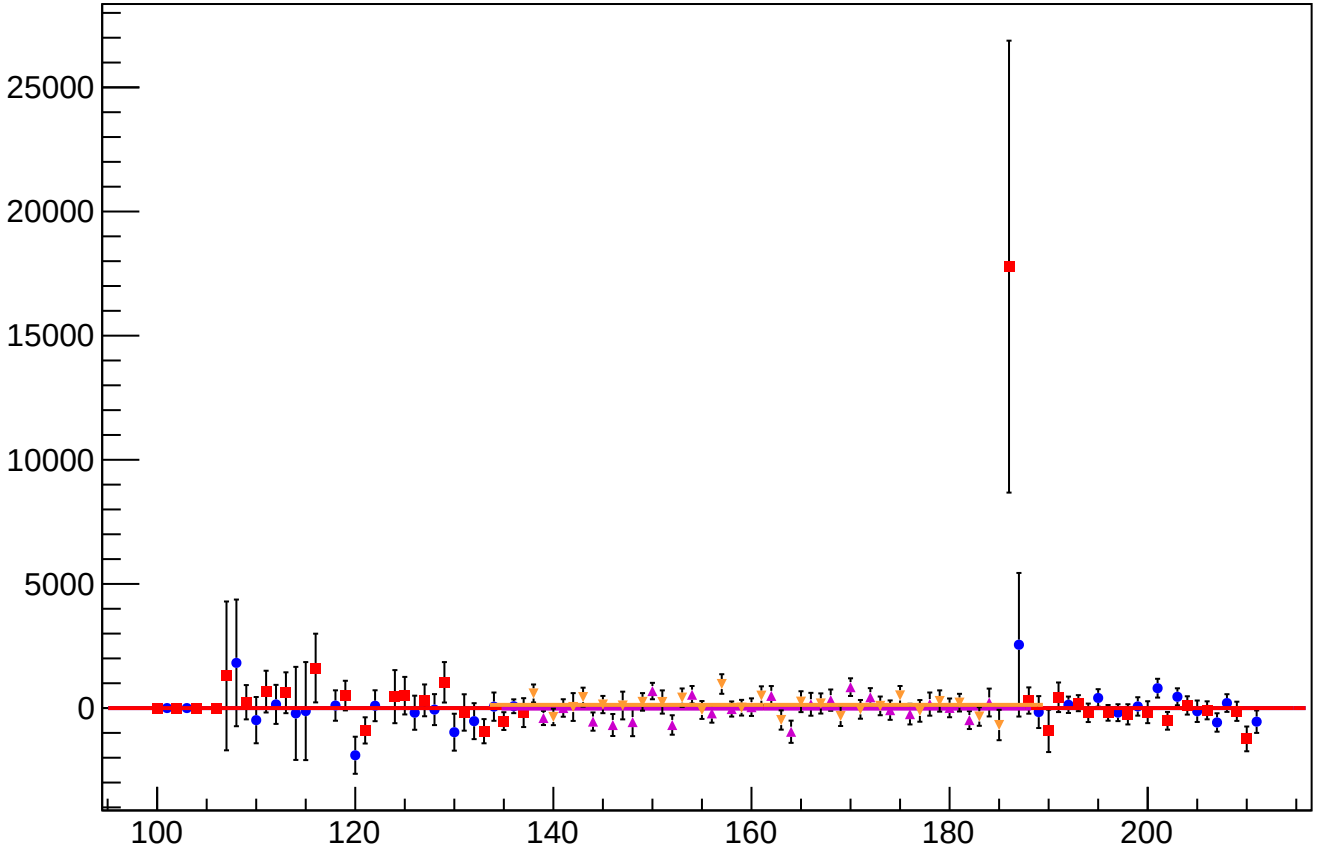
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

In: 403.300+/-0.251 χ^2/NDF:45168150.0/38

Out: 397.237+/-0.232 χ^2/NDF:46157267.3/43

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 23.7/27

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.600+/-0.324 χ^2/NDF: 30.9/32

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

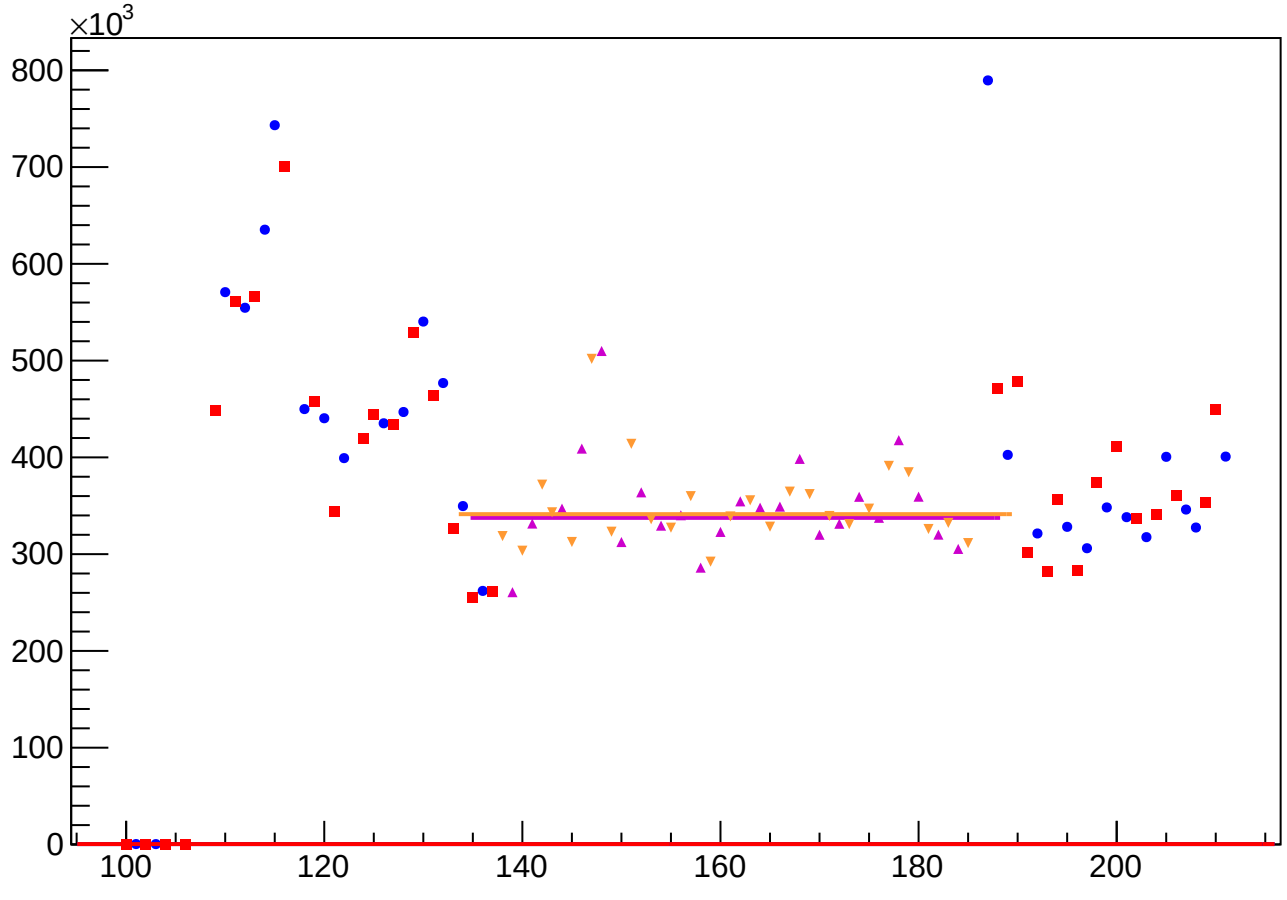
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 56.1/60

In: -0.020+/-0.347 χ^2/NDF:57.5/50

Out: -0.598+/-0.324 χ^2/NDF:53.7/57

All: -0.329+/-0.237 χ^2/NDF: 112.7/108



Right In: 393.408+/-0.245 χ^2/NDF: 28953629.7/26

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.883+/-0.229 χ^2/NDF: 30856535.6/30

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

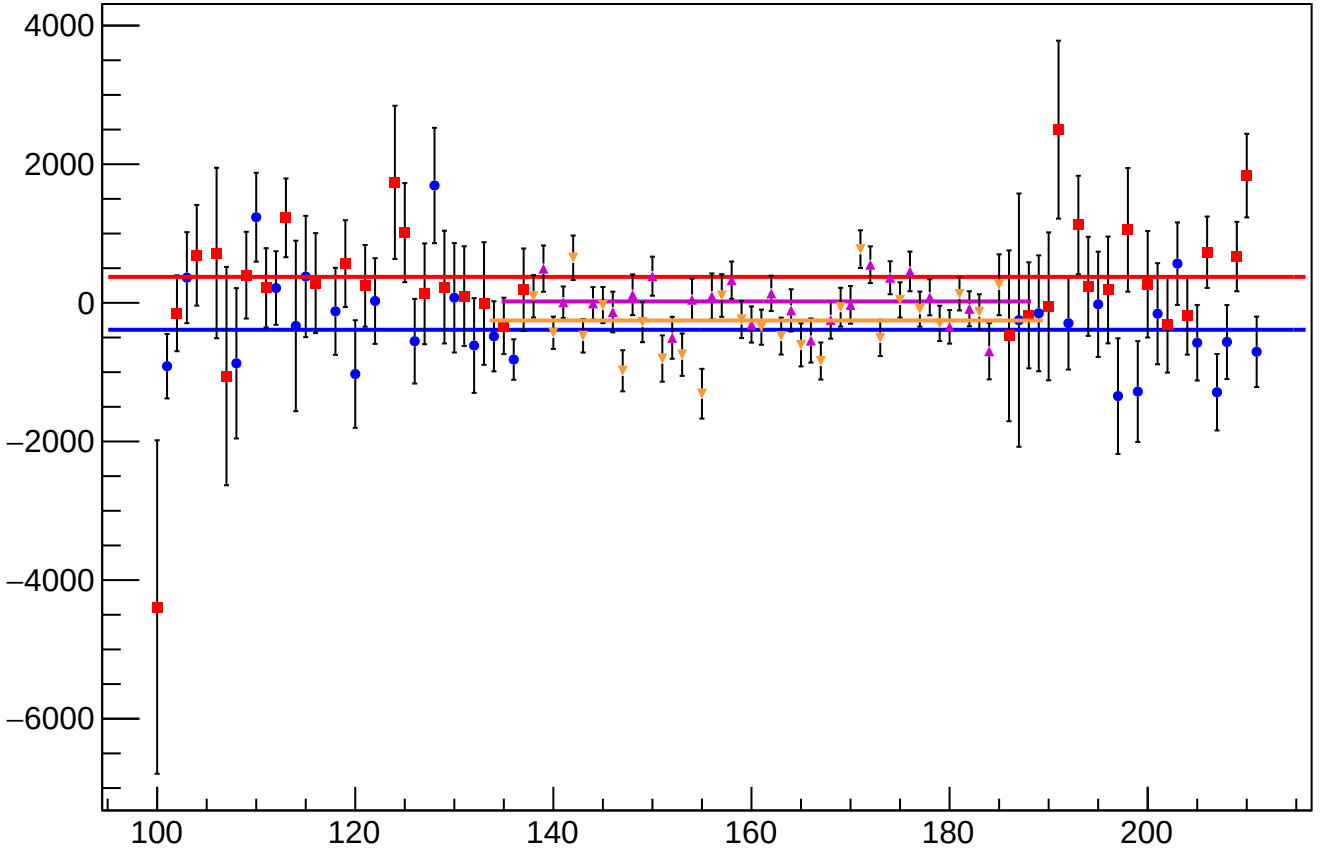
Right: 392.058+/-0.167 χ^2/NDF: 59810221.9/57

In: 399.791+/-0.245 χ^2/NDF:65271586.5/49

Out: 396.721+/-0.229 χ^2/NDF:69227407.9/55

All: 398.149+/-0.167 χ^2/NDF: 134499078.0/

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -388.345+/-116.381 χ^2/NDF: 30.7/27

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 374.643+/-120.418 χ^2/NDF: 28.7/32

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

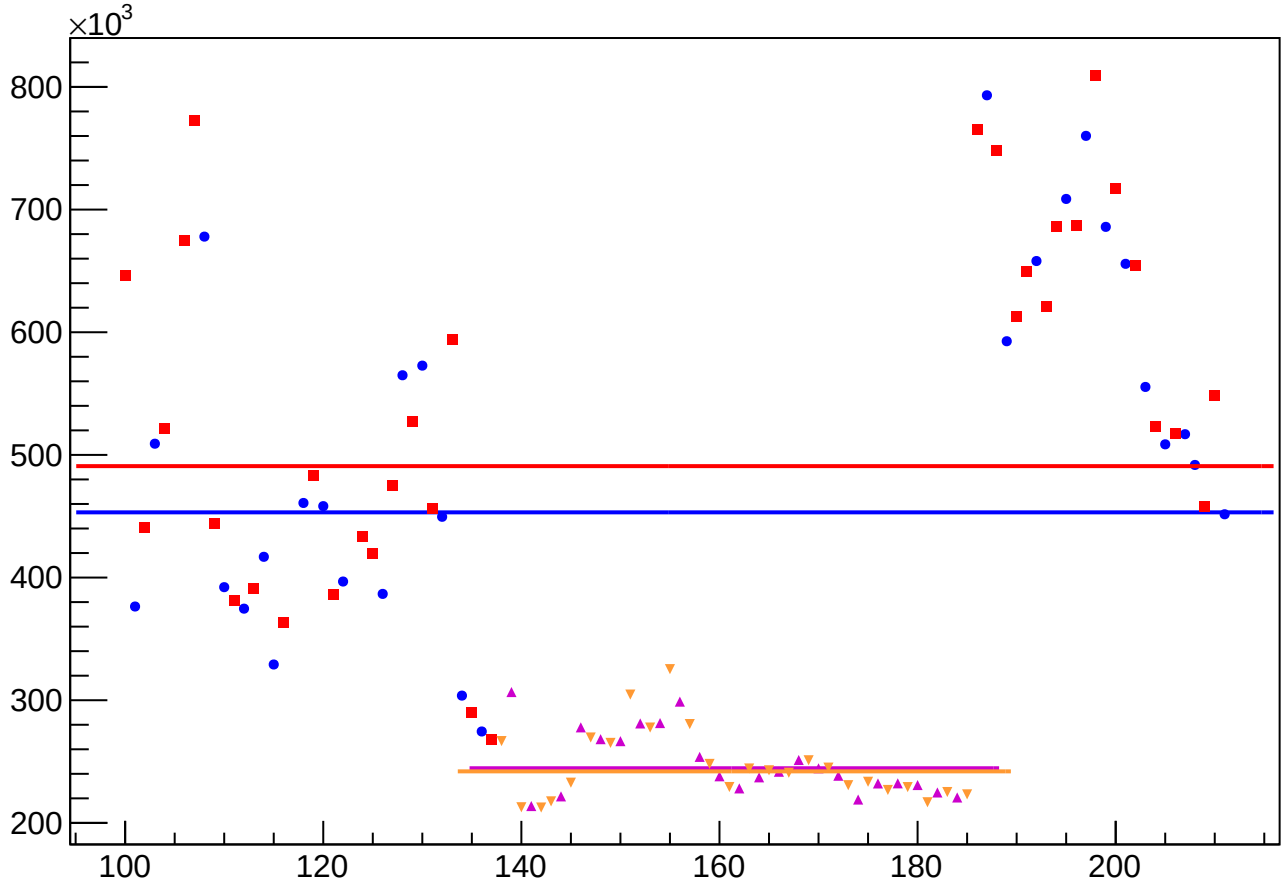
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -19.854+/-83.684 χ^2/NDF: 80.1/60

In: -59.943+/-51.540 χ^2/NDF:69.1/50

Out: -144.434+/-50.342 χ^2/NDF:112.5/57

All: -103.181+/-36.013 χ^2/NDF: 183.0/108



Right In: 453165.712+/-82.308 χ^2/NDF: 2587883.2/27

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490852.529+/-85.238 χ^2/NDF: 2527417.9/32

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

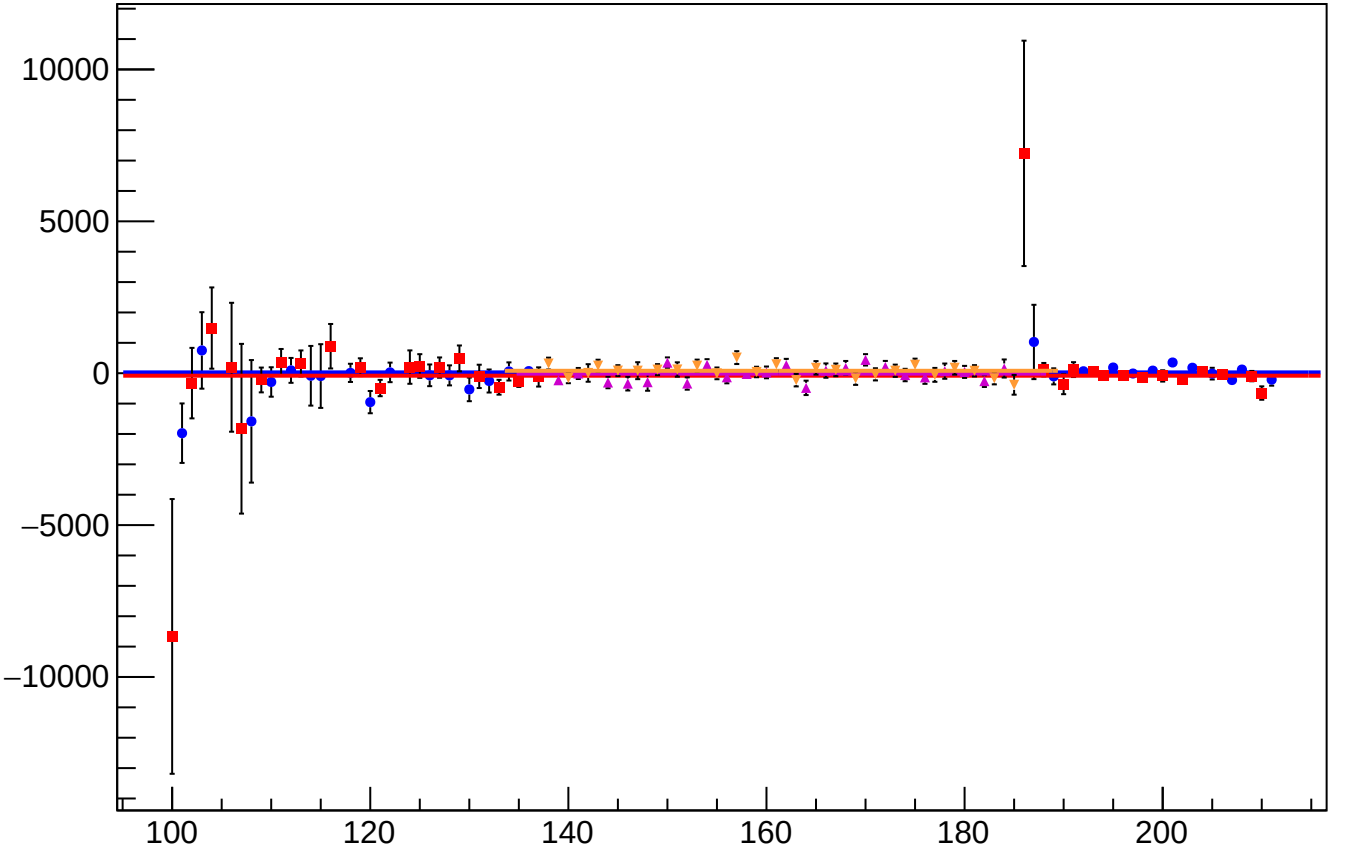
Right: 471350.261+/-59.209 χ^2/NDF: 5216461.0/60

In: 285446.278+/-36.445 χ^2/NDF:8114313.2/50

Out: 285425.307+/-35.604 χ^2/NDF:9976538.0/57

All: 285435.548+/-25.468 χ^2/NDF: 1809085

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 27.197+/-42.125 χ^2/NDF: 27.6/27

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -81.910+/-41.305 χ^2/NDF: 34.4/32

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

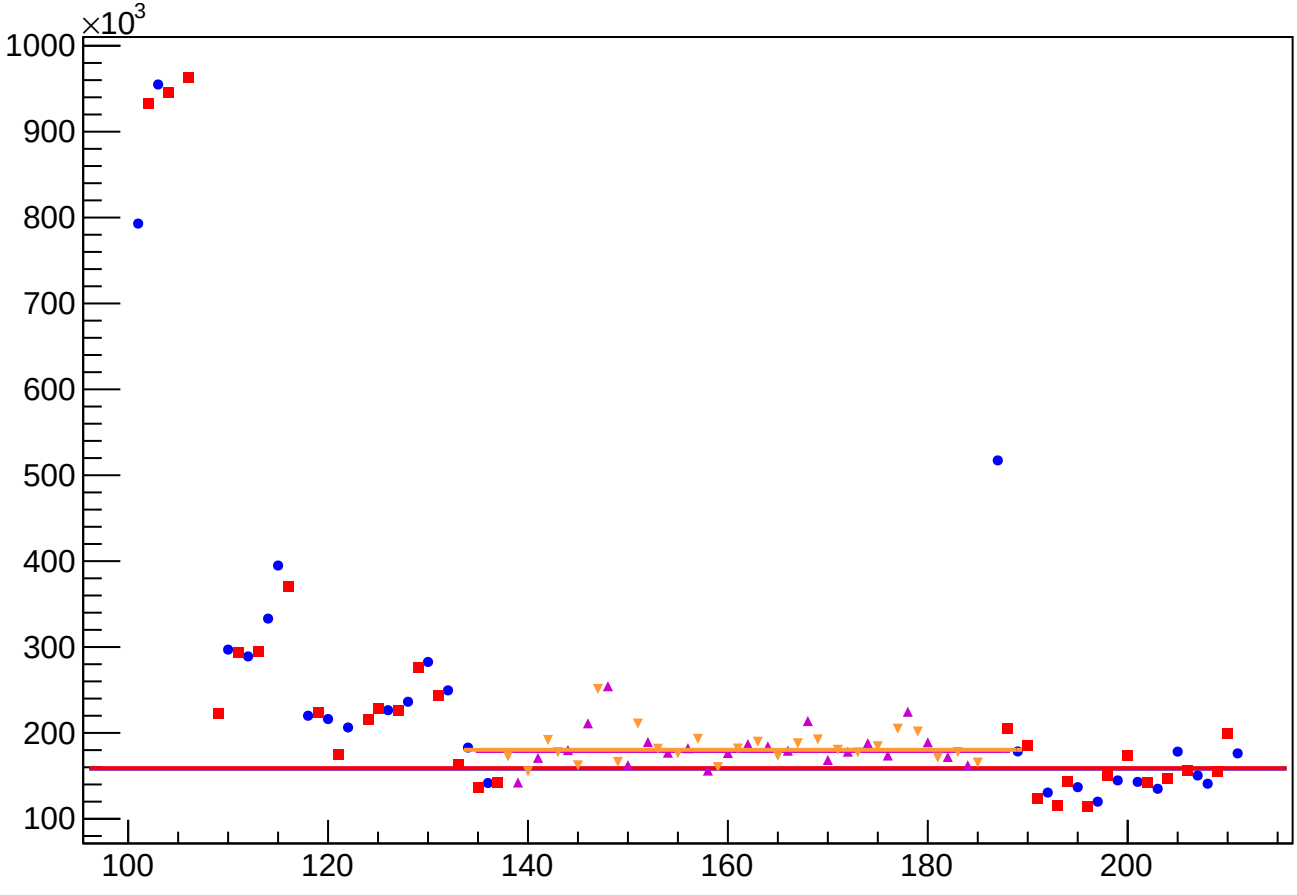
Right: -28.429+/-29.493 χ^2/NDF: 65.4/60

In: 6.636+/-29.825 χ^2/NDF:61.2/50

Out: -1.200+/-29.205 χ^2/NDF:61.8/57

All: 2.636+/-20.867 χ^2/NDF: 123.0/108

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 158484.573+/-29.799 χ^2/NDF: 3273259.7/26

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 158916.725+/-29.225 χ^2/NDF: 3340370.4/29

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

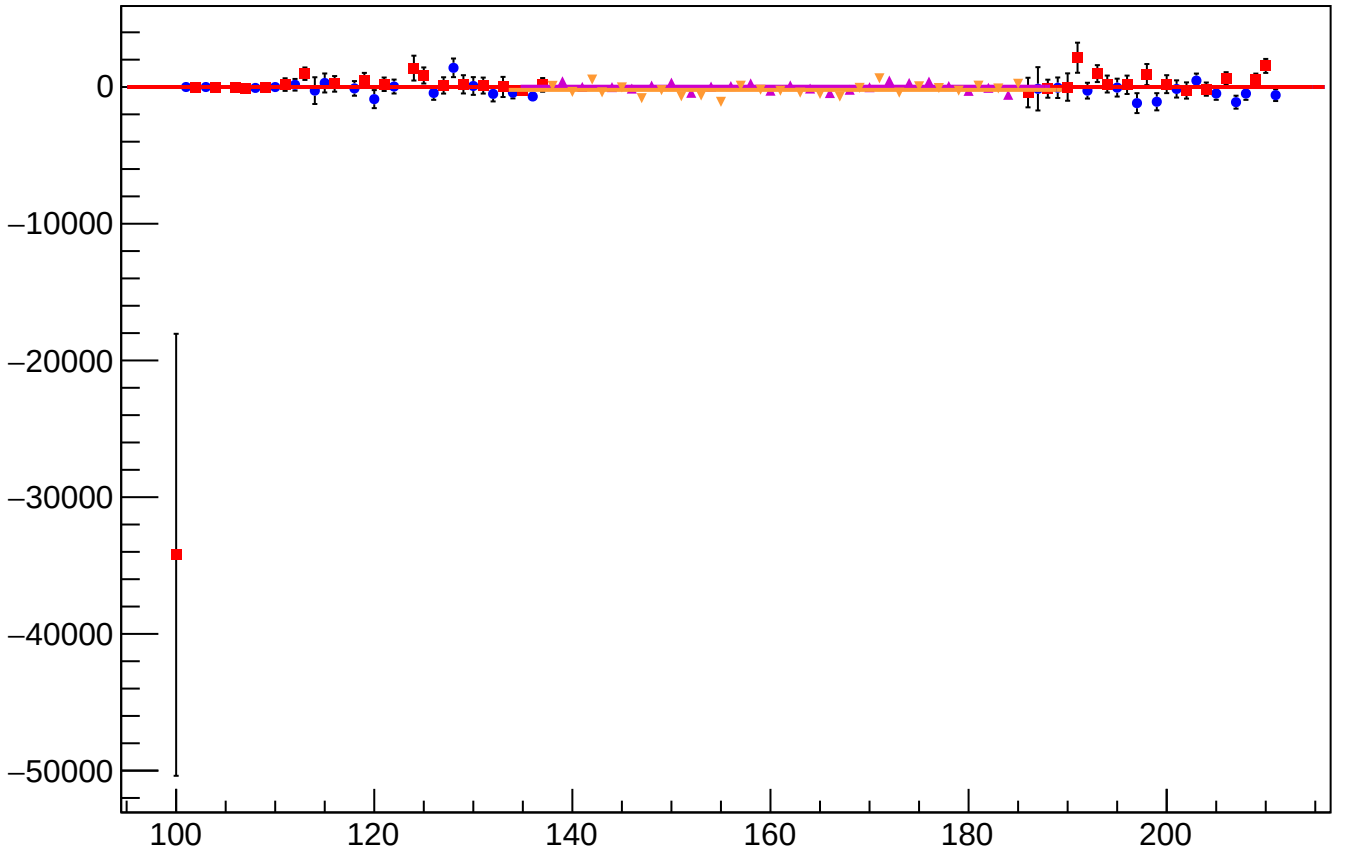
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 158704.851+/-20.865 χ^2/NDF: 6613737.3/56

In: 168732.086+/-21.094 χ^2/NDF:4011698.5/49

Out: 169637.408+/-20.658 χ^2/NDF:3955913.4/54

All: 169194.200+/-14.759 χ^2/NDF: 7968552.



Right In: -0.036+/-0.172 χ^2/NDF: 34.3/27

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.356+/-0.160 χ^2/NDF: 37.8/32

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

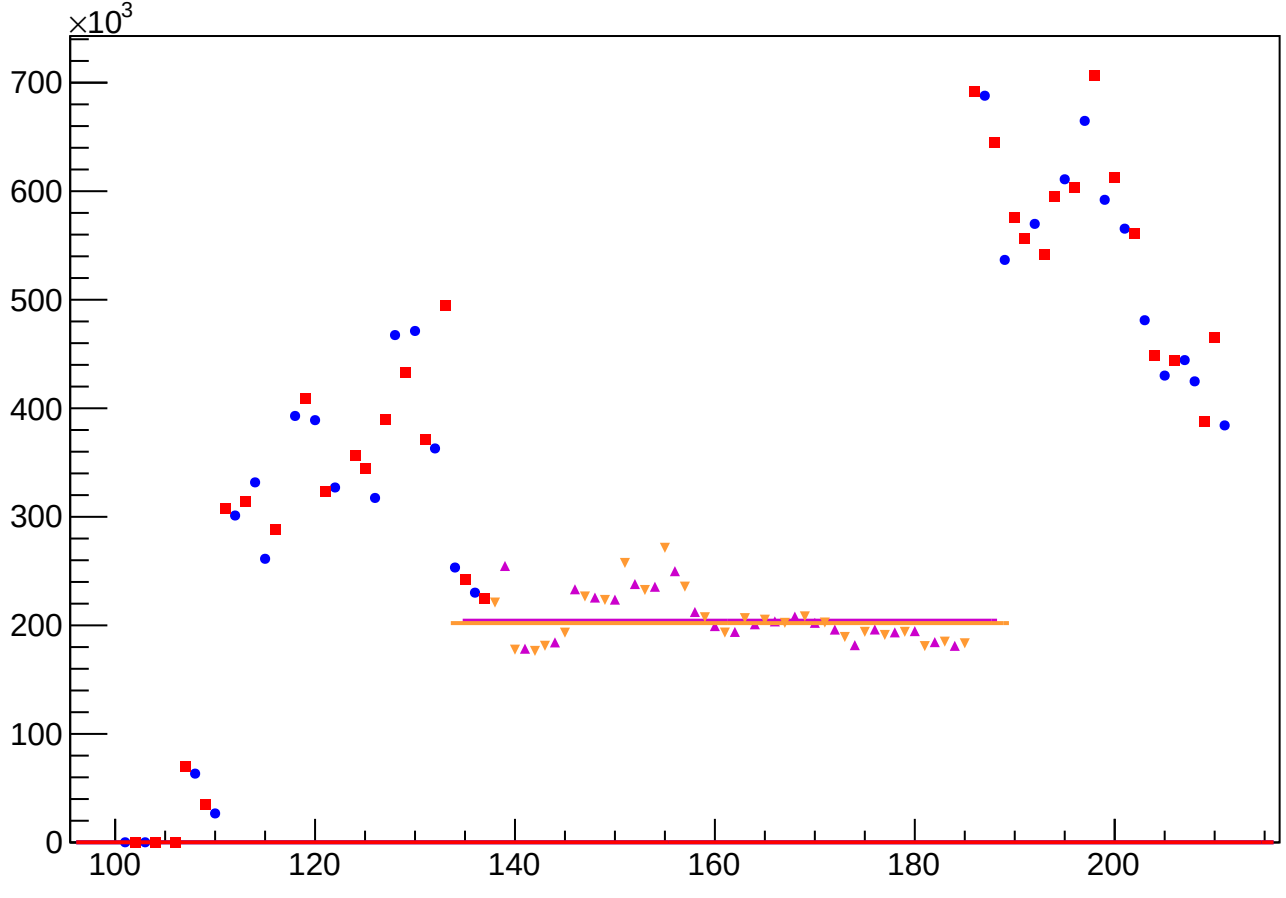
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 74.9/60

In: -0.035+/-0.172 χ^2/NDF:63.1/50

Out: 0.353+/-0.160 χ^2/NDF:119.7/57

All: 0.173+/-0.117 χ^2/NDF: 185.5/108



Right In: 149.638+/-0.122 χ^2/NDF: 29959731.3/27

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.885+/-0.113 χ^2/NDF: 32446829.8/31

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

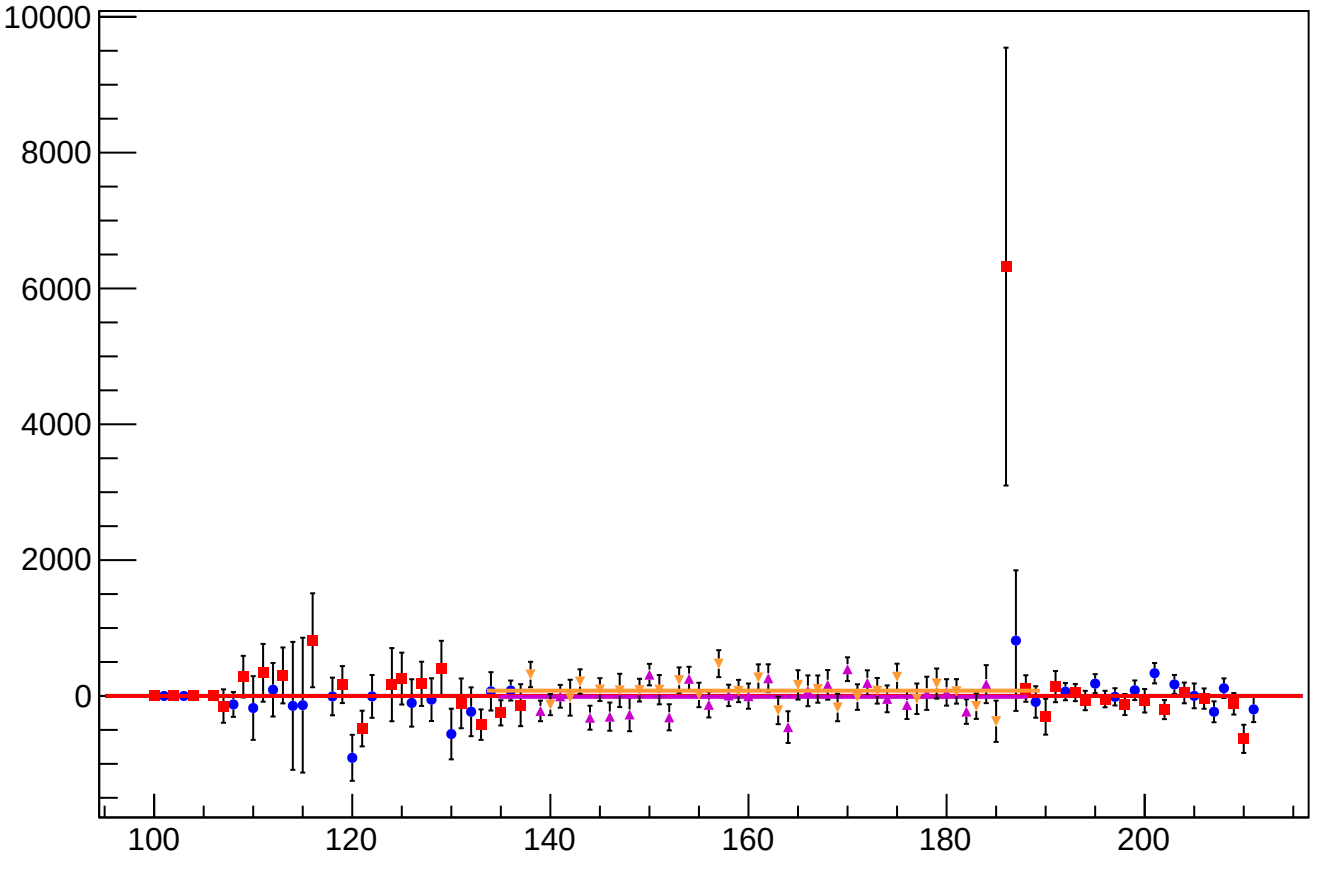
Right: 149.770+/-0.083 χ^2/NDF: 62406563.3/59

In: 152.264+/-0.122 χ^2/NDF:66462357.9/50

Out: 152.301+/-0.113 χ^2/NDF:70942476.3/56

All: 152.284+/-0.083 χ^2/NDF: 137404834.2/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 24.8/27

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 34.4/32

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

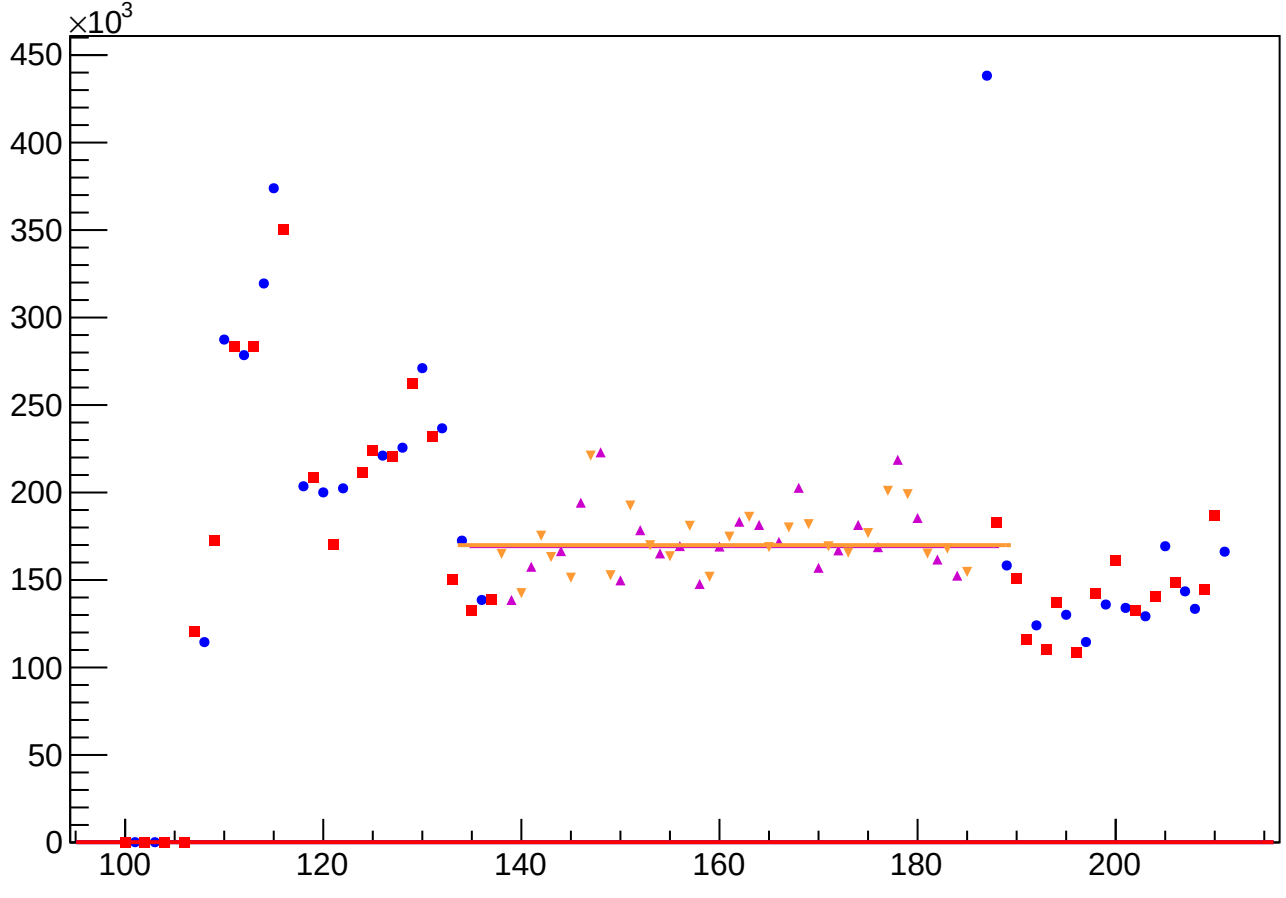
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 59.2/60

In: -0.067+/-0.177 χ^2/NDF:57.5/50

Out: -0.126+/-0.166 χ^2/NDF:57.5/57

All: -0.098+/-0.121 χ^2/NDF: 115.1/108



Right In: 155.533+/-0.125 χ^2/NDF: 30220874.4/27

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.121+/-0.118 χ^2/NDF: 31331317.8/31

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

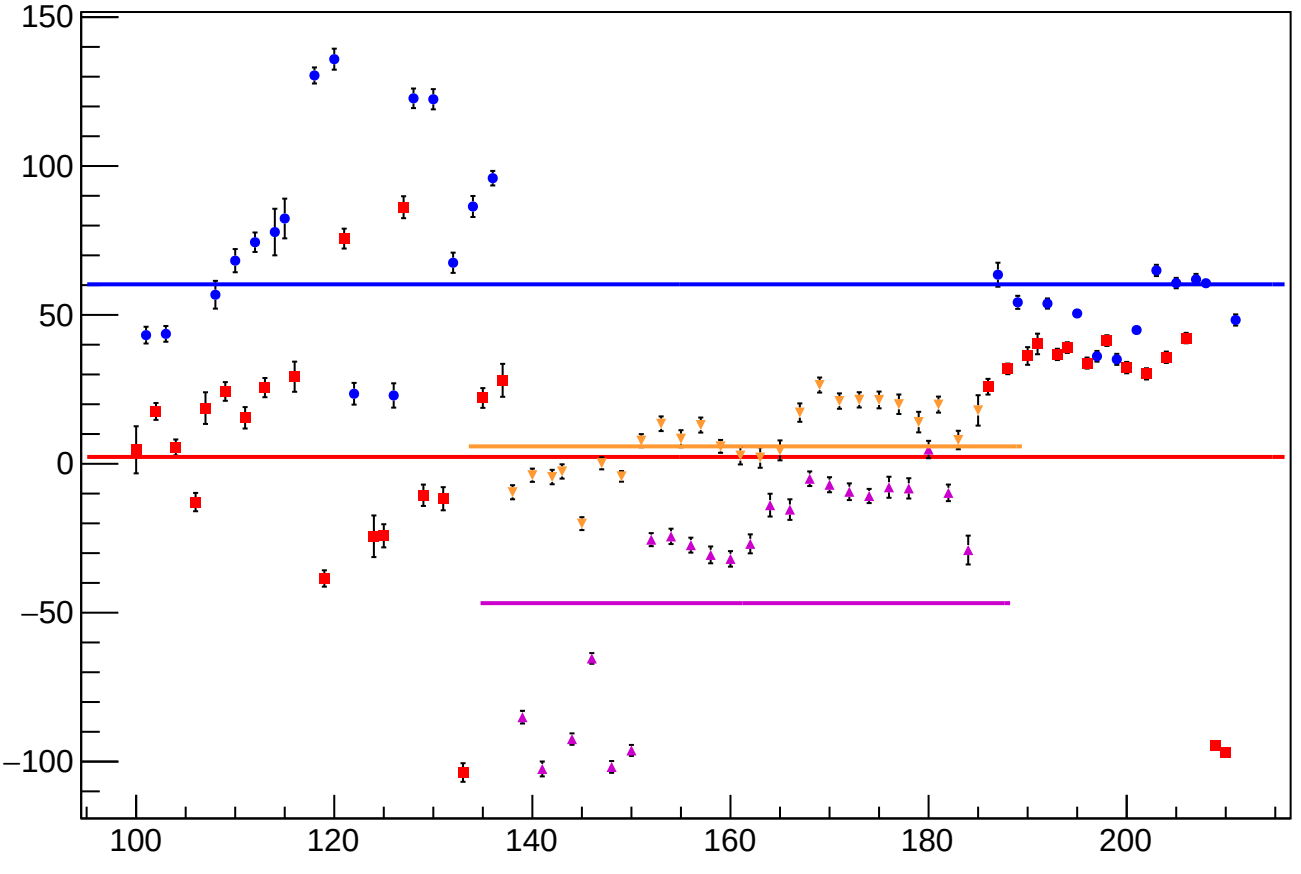
Right: 156.908+/-0.086 χ^2/NDF: 61552418.8/59

In: 158.867+/-0.125 χ^2/NDF:66606070.3/50

Out: 161.227+/-0.118 χ^2/NDF:69741450.0/56

All: 160.121+/-0.086 χ^2/NDF: 136347708.7/

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 60.271+/-0.452 χ^2/NDF: 2958.7/27

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 2.304+/-0.425 χ^2/NDF: 16224.4/32

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

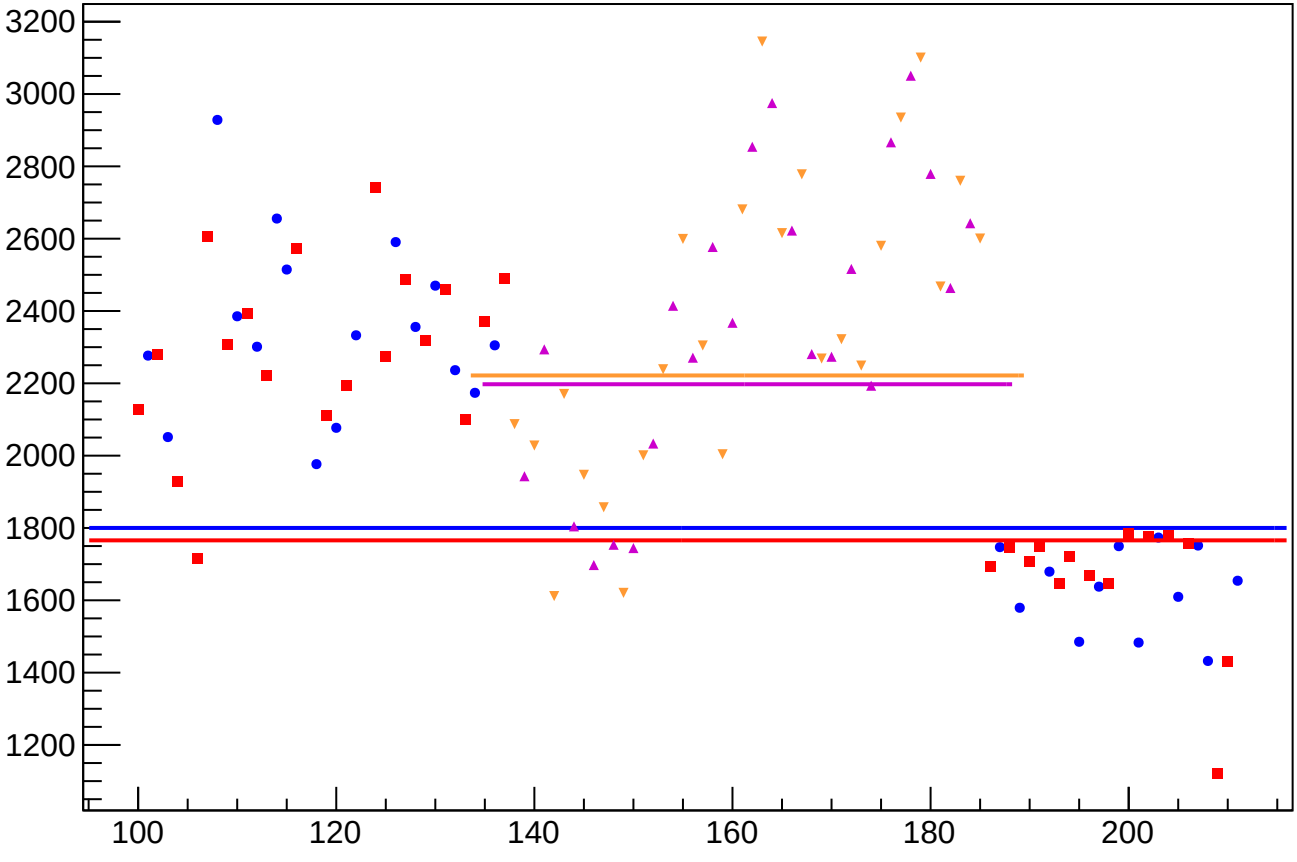
Right: 29.492+/-0.309 χ^2/NDF: 27925.9/60

In: 14.670+/-0.342 χ^2/NDF:32058.0/50

Out: 3.743+/-0.327 χ^2/NDF:16788.0/57

All: 8.963+/-0.237 χ^2/NDF: 49378.3/108

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1800.096+/-0.319 χ^2/NDF: 1085928.7/27

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1765.750+/-0.300 χ^2/NDF: 1456050.1/32

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

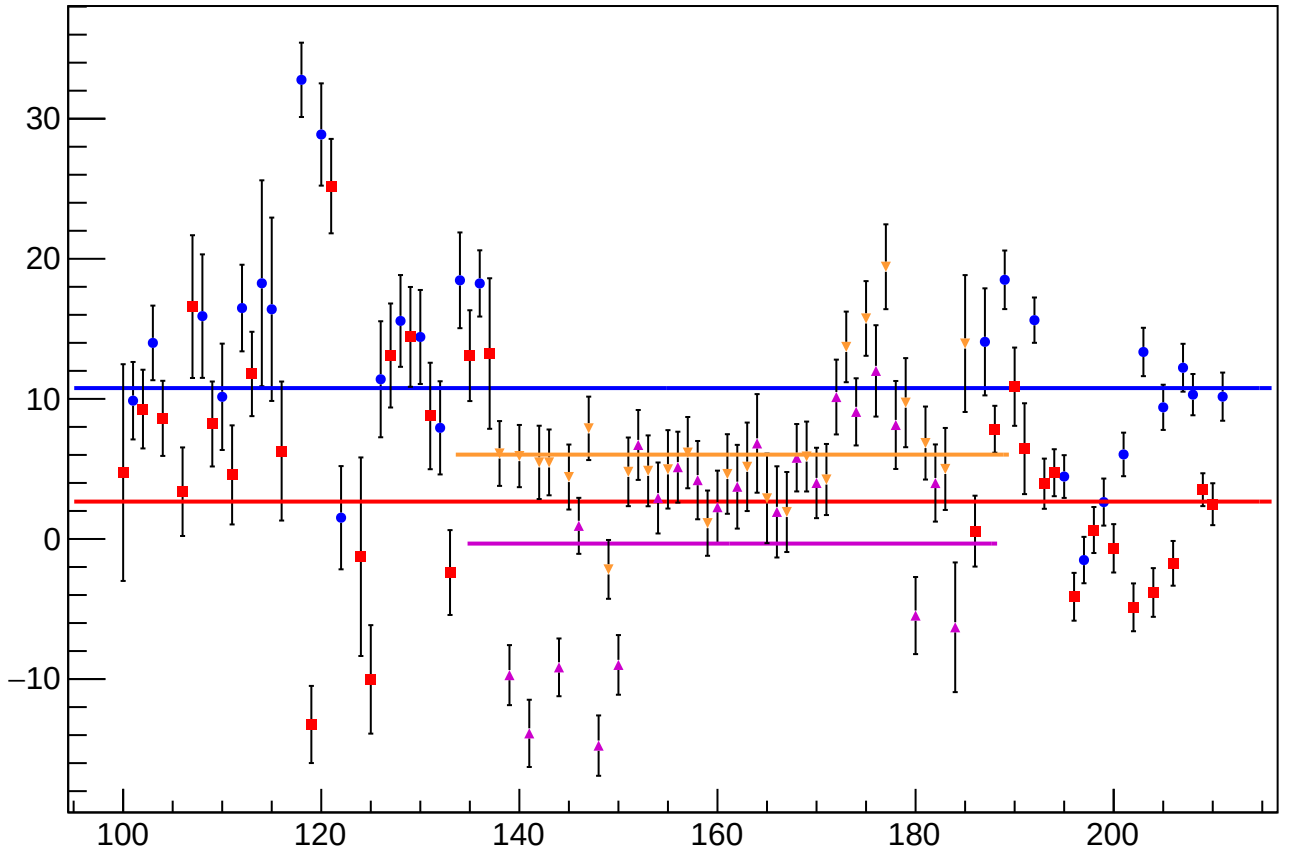
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

Right: 1781.859+/-0.219 χ^2/NDF: 2548117.3/60

In: 1969.342+/-0.242 χ^2/NDF:2849691.4/50

Out: 1950.711+/-0.231 χ^2/NDF:3575898.1/57

All: 1959.611+/-0.167 χ^2/NDF: 6428684.5/10



Right In: 10.771+/-0.425 χ^2/NDF: 259.1/27

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.669+/-0.401 χ^2/NDF: 243.8/32

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

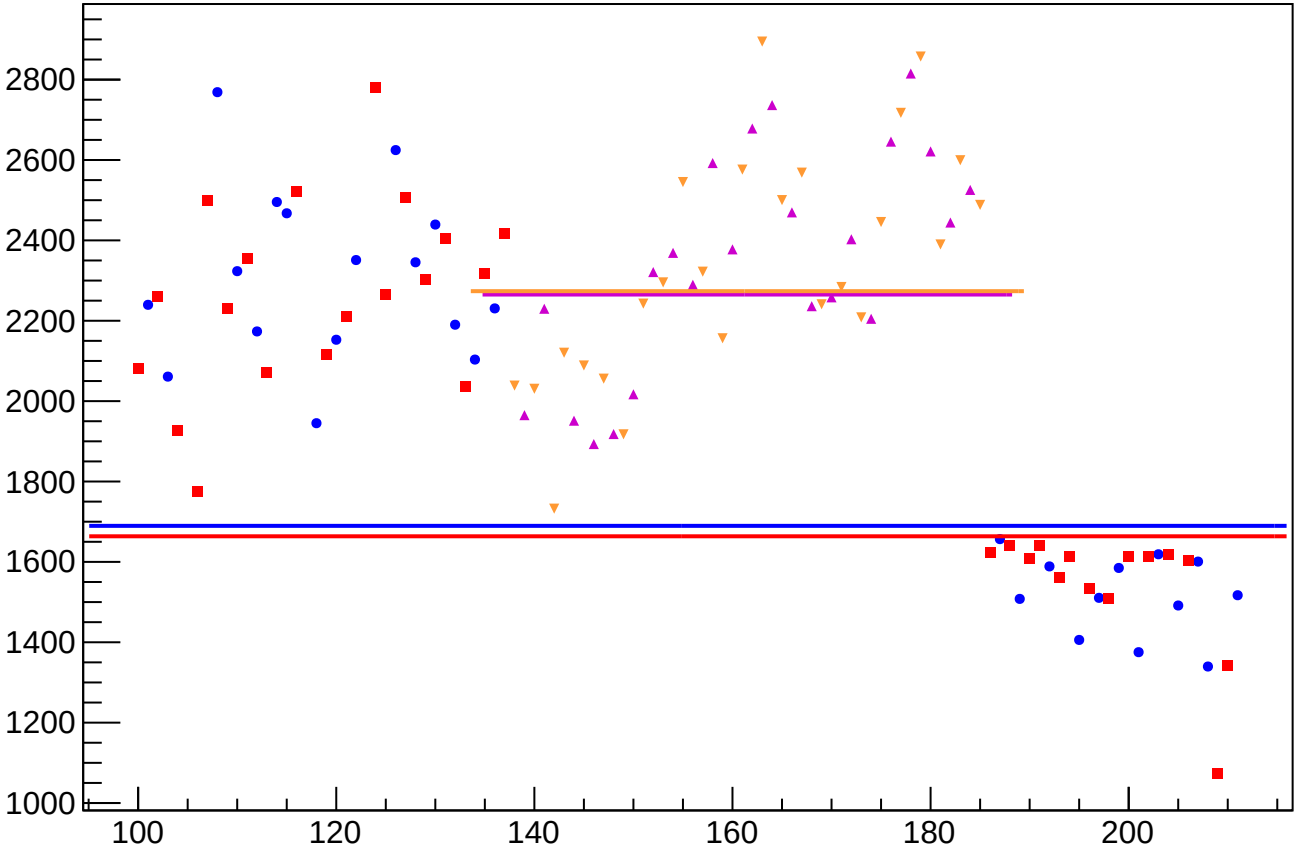
Right: 6.482+/-0.292 χ^2/NDF: 695.1/60

In: 6.469+/-0.333 χ^2/NDF:748.1/50

Out: 3.917+/-0.318 χ^2/NDF:341.5/57

All: 5.134+/-0.230 χ^2/NDF: 1120.4/108

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1689.679+/-0.301 χ^2/NDF: 1348755.5/27

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1663.699+/-0.283 χ^2/NDF: 1660060.6/32

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

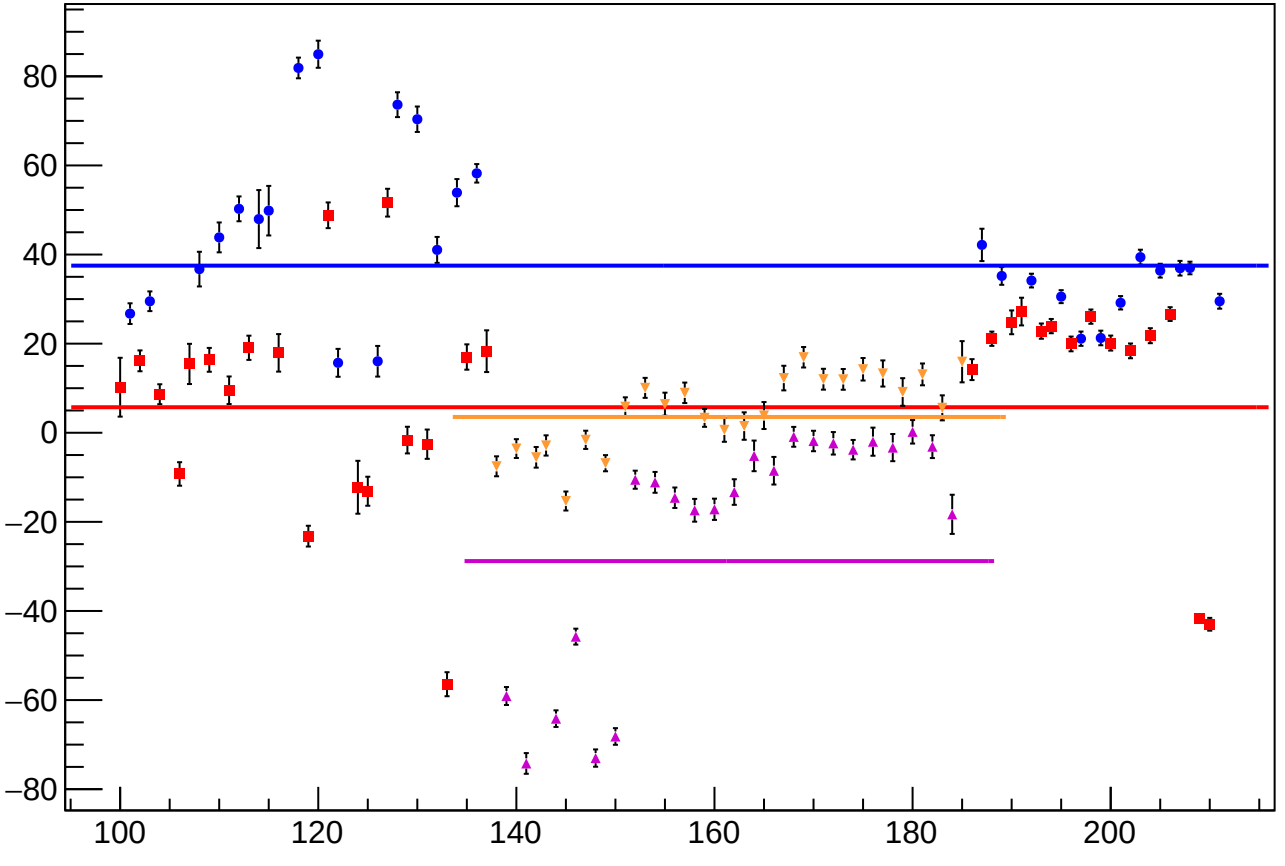
Right: 1675.925+/-0.206 χ^2/NDF: 3012768.2/60

In: 1912.746+/-0.235 χ^2/NDF:3264568.6/50

Out: 1890.634+/-0.225 χ^2/NDF:3919123.7/57

All: 1901.177+/-0.162 χ^2/NDF: 7188311.9/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 37.510+/-0.397 χ^2/NDF: 1481.5/27

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 5.729+/-0.374 χ^2/NDF: 5350.6/32

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

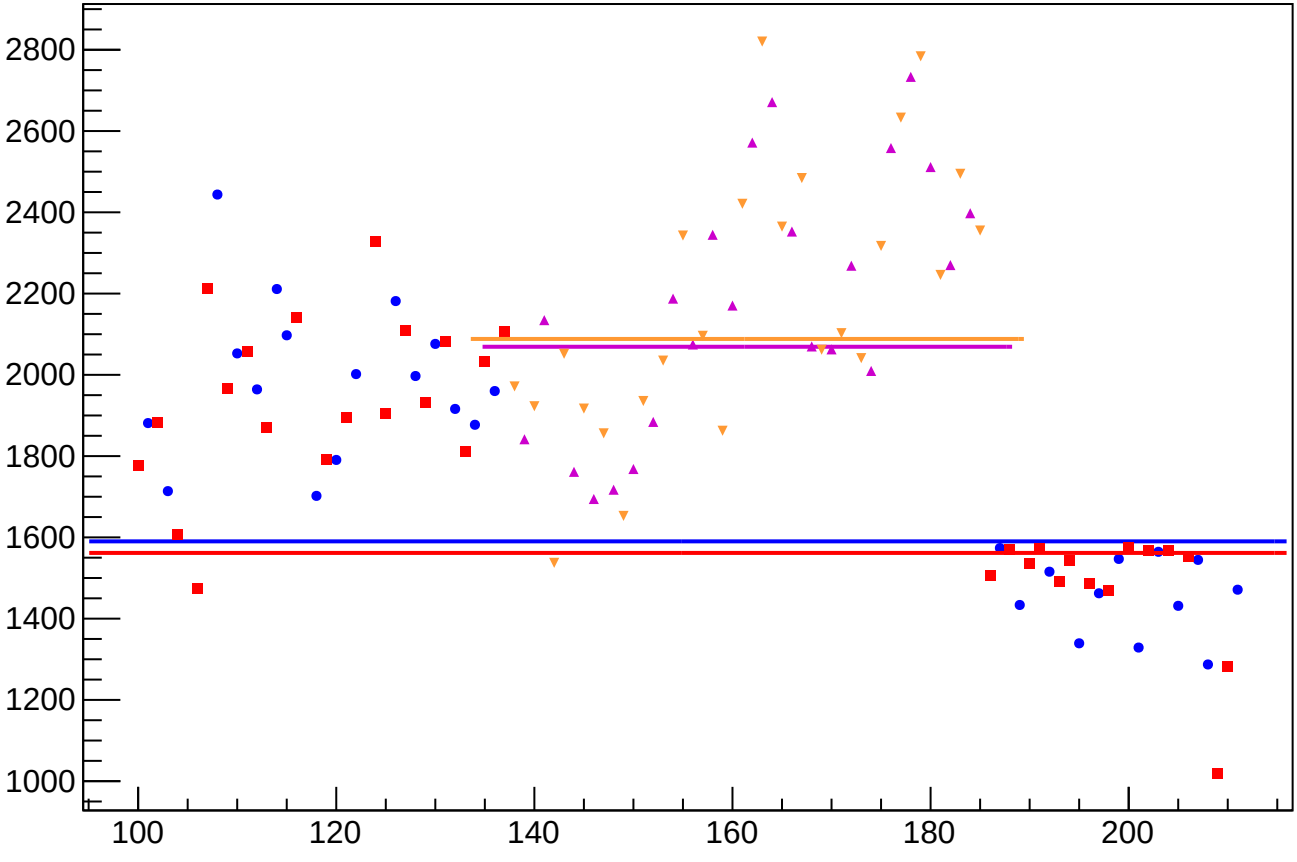
Right: 20.657+/-0.272 χ^2/NDF: 10228.0/60

In: 11.274+/-0.309 χ^2/NDF:15774.8/50

Out: 4.905+/-0.295 χ^2/NDF:5683.3/57

All: 7.944+/-0.213 χ^2/NDF: 21680.6/108

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1590.200+/-0.281 χ^2/NDF: 831804.6/27

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1561.736+/-0.264 χ^2/NDF: 1157031.7/32

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

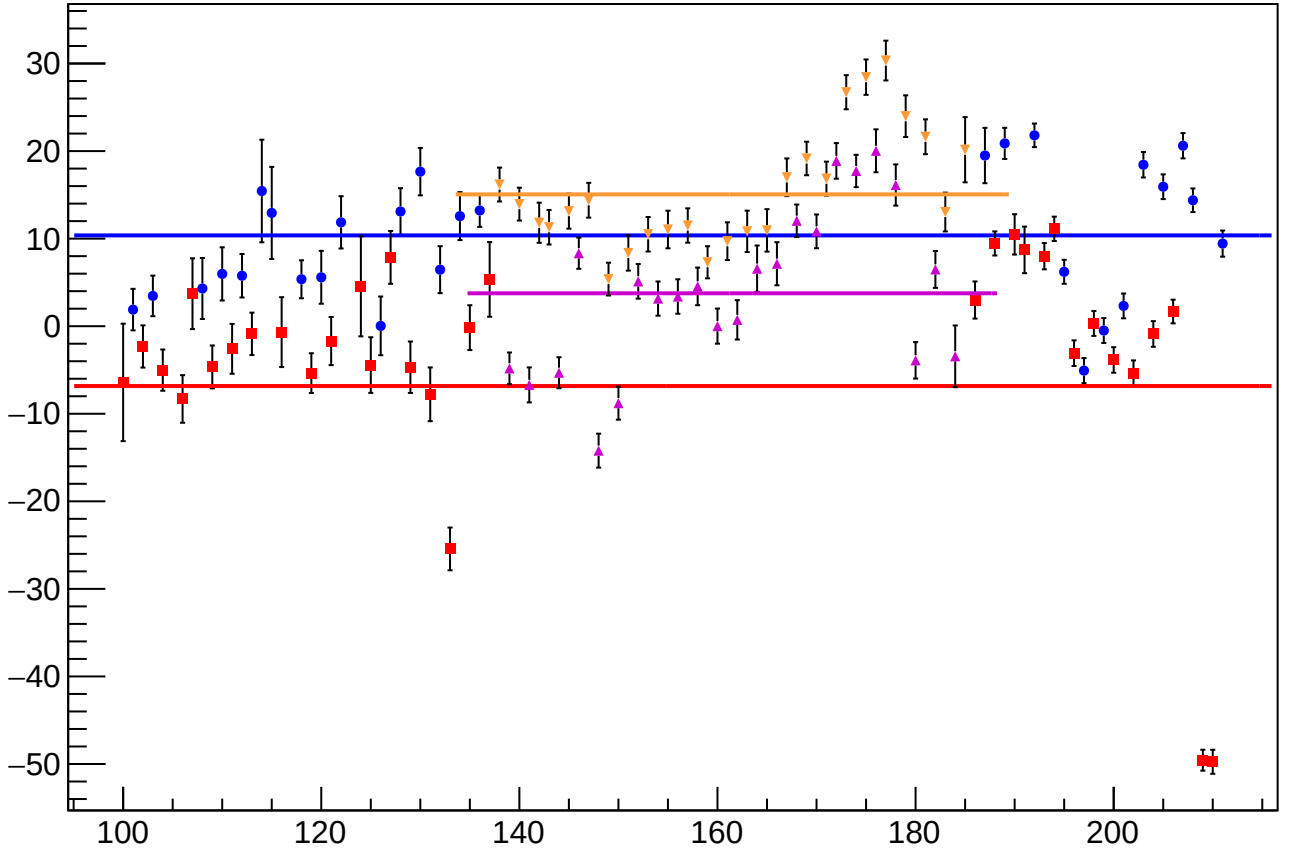
Right: 1575.106+/-0.192 χ^2/NDF: 1994284.3/60

In: 1779.671+/-0.218 χ^2/NDF:2693956.8/50

Out: 1760.373+/-0.209 χ^2/NDF:3442051.1/57

All: 1769.582+/-0.151 χ^2/NDF: 6140093.1/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.370+/-0.363 χ^2/NDF: 499.6/27

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -6.835+/-0.344 χ^2/NDF: 2994.3/32

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

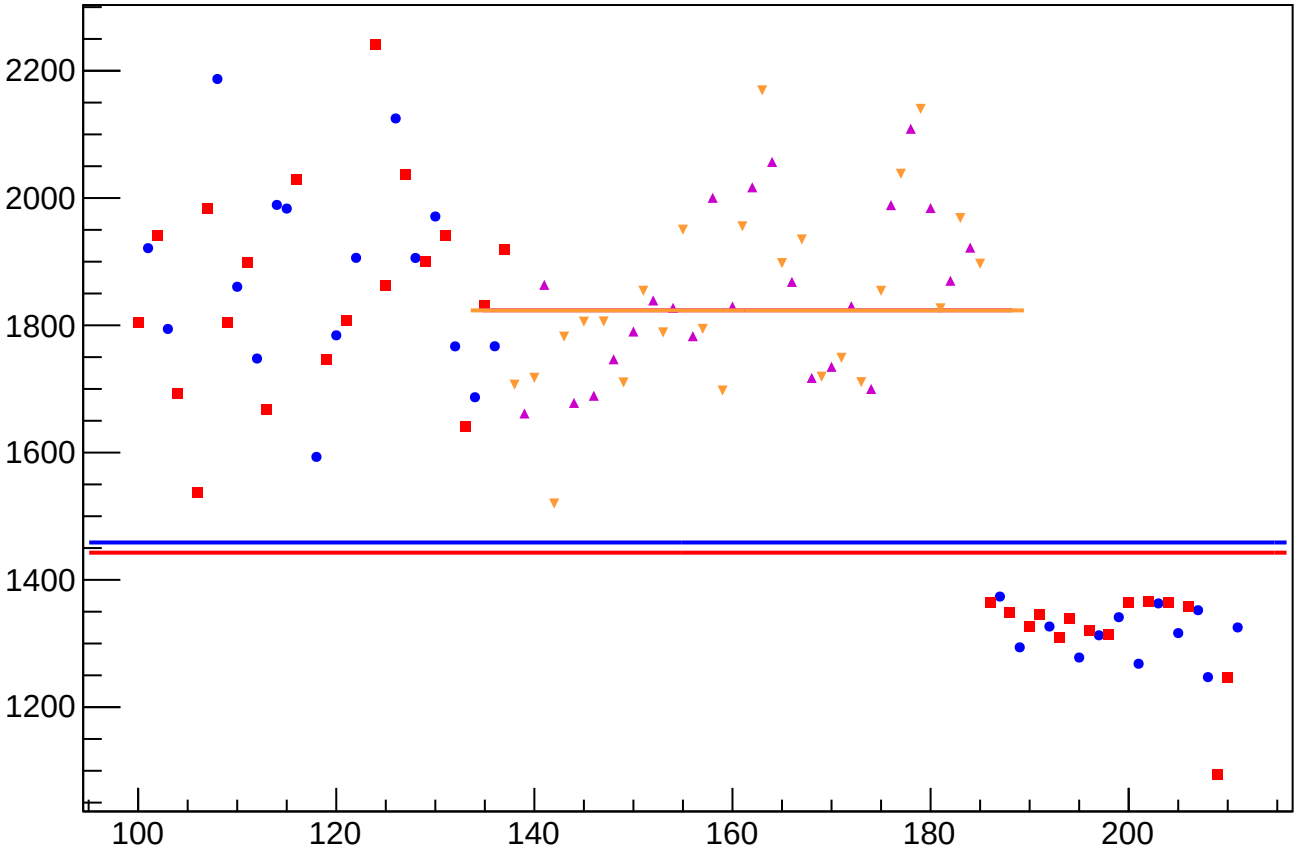
Right: 1.293+/-0.250 χ^2/NDF: 4676.4/60

In: 7.599+/-0.277 χ^2/NDF:1097.4/50

Out: 2.059+/-0.265 χ^2/NDF:4887.0/57

All: 4.707+/-0.191 χ^2/NDF: 6193.3/108

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1458.762+/-0.257 χ^2/NDF: 929242.5/27

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1442.740+/-0.243 χ^2/NDF: 1028190.8/32

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

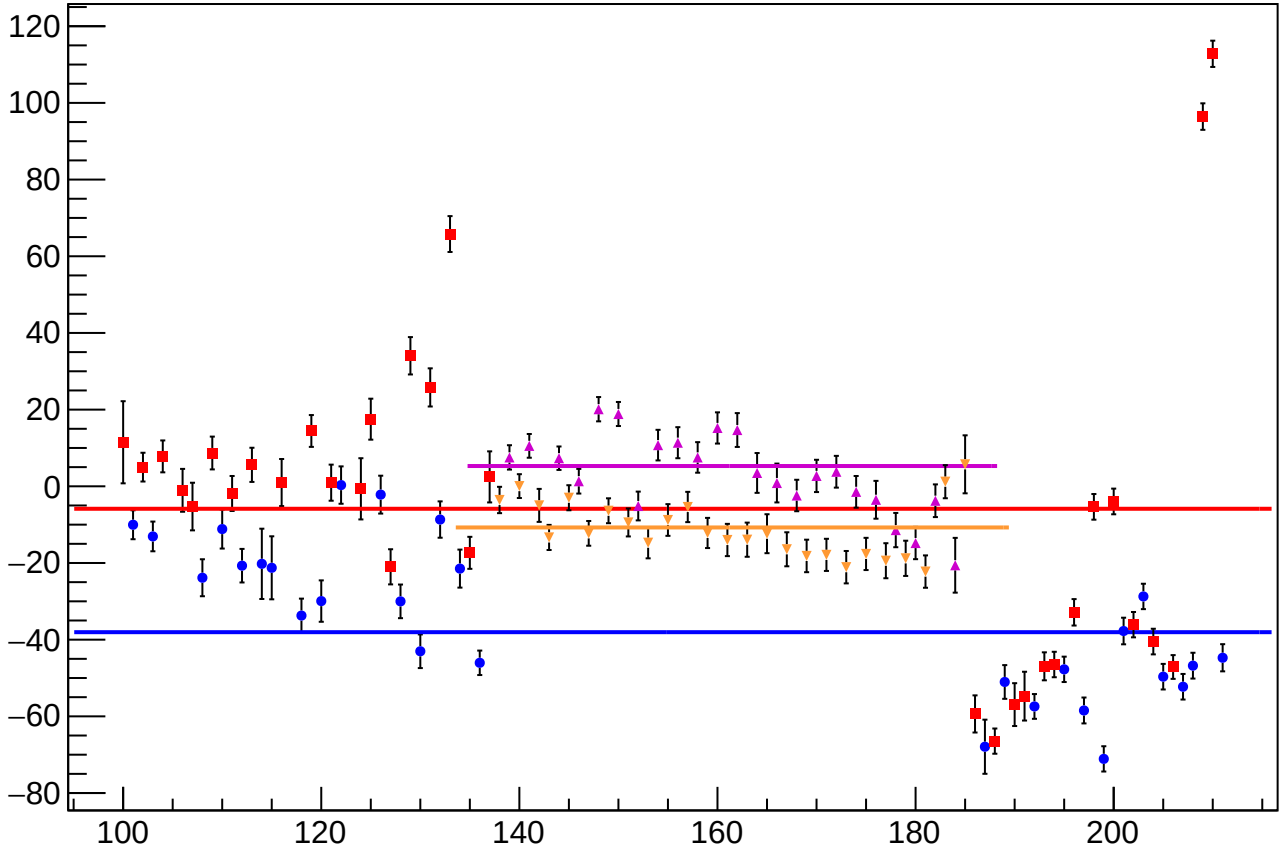
Right: 1450.309+/-0.177 χ^2/NDF: 1959484.5/60

In: 1611.680+/-0.196 χ^2/NDF:1938029.5/50

Out: 1597.426+/-0.187 χ^2/NDF:2235445.3/57

All: 1604.238+/-0.135 χ^2/NDF: 4176240.9/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -38.046+/-0.764 χ^2/NDF: 592.3/27

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -5.859+/-0.733 χ^2/NDF: 3837.1/32

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

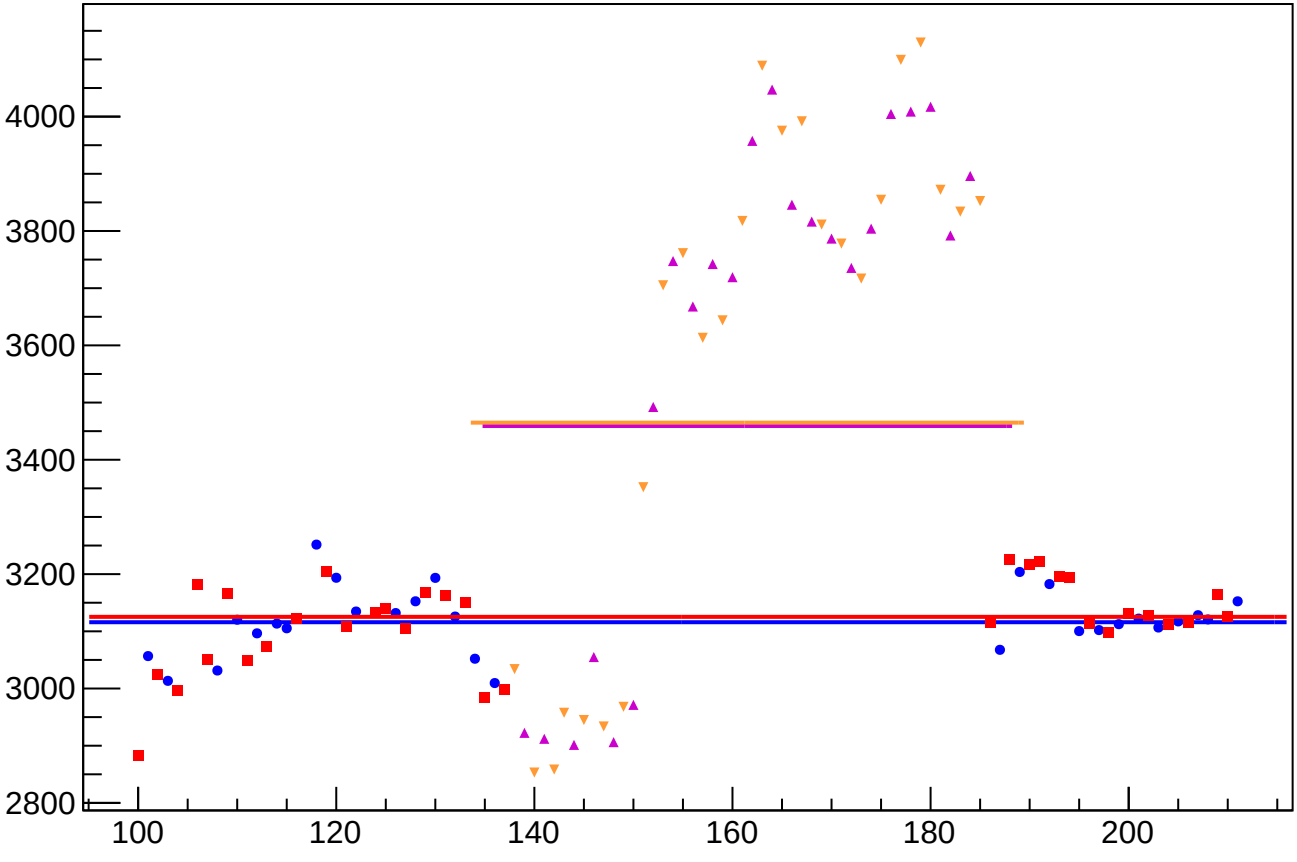
Right: -21.298+/-0.529 χ^2/NDF: 5353.4/60

In: -17.763+/-0.557 χ^2/NDF:2232.5/50

Out: -8.103+/-0.539 χ^2/NDF:3931.2/57

All: -12.771+/-0.387 χ^2/NDF: 6319.2/108

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3115.920+/-0.540 χ^2/NDF: 10323.4/27

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.336+/-0.519 χ^2/NDF: 14951.1/32

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

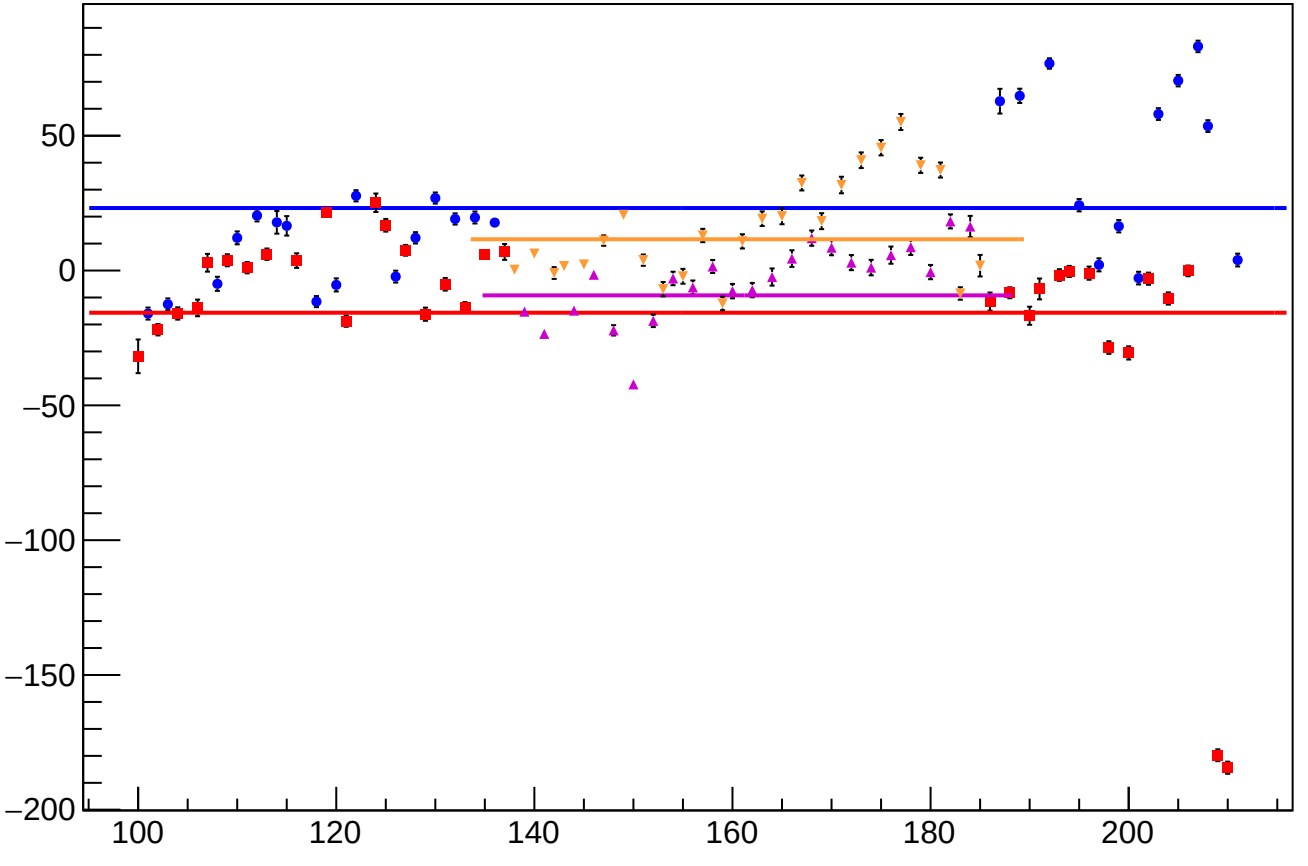
Right: 3120.820+/-0.374 χ^2/NDF: 25432.7/60

In: 3276.514+/-0.394 χ^2/NDF:782544.2/50

Out: 3281.701+/-0.381 χ^2/NDF:856425.5/57

All: 3279.195+/-0.274 χ^2/NDF: 1639059.2/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 23.184+/-0.421 χ^2/NDF: 4422.6/27

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -15.643+/-0.408 χ^2/NDF: 12922.4/32

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

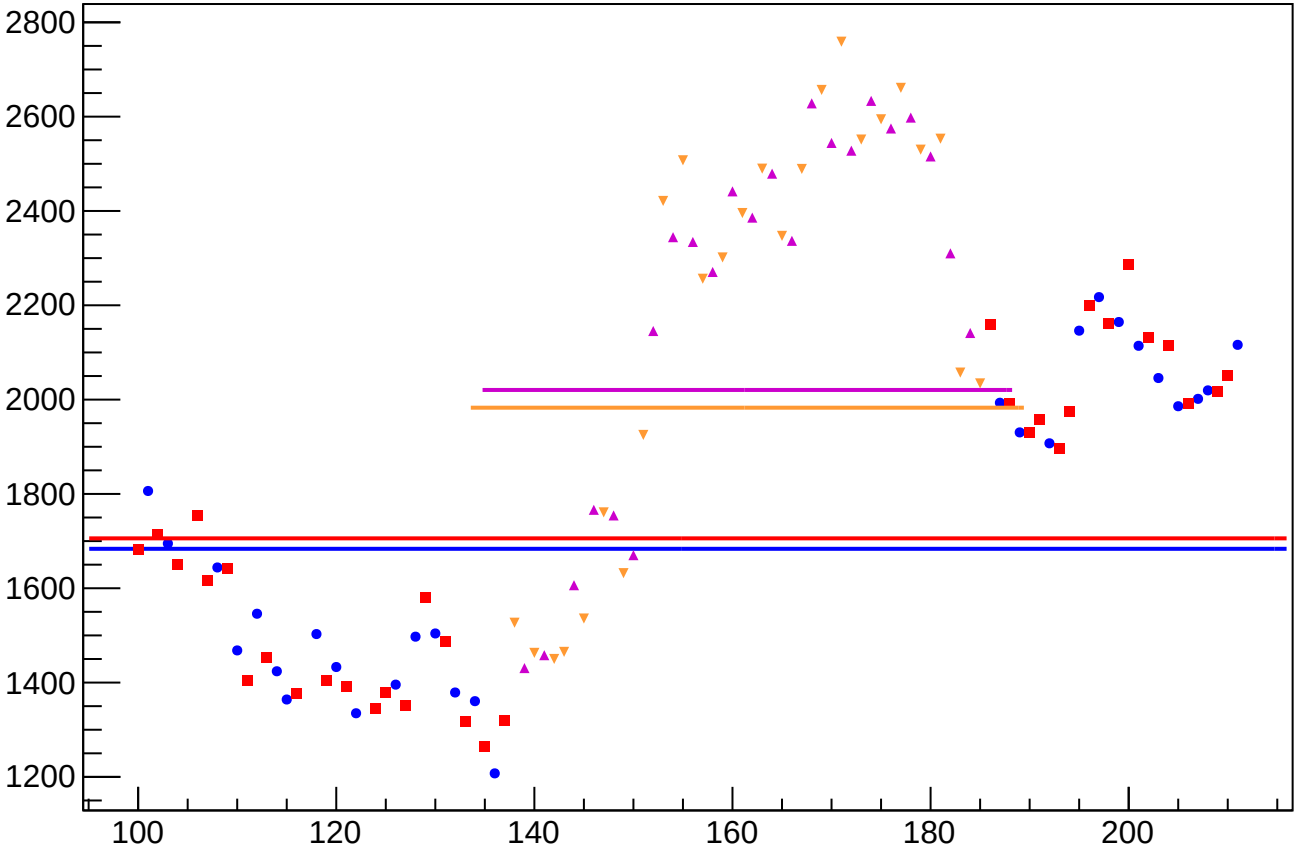
Right: 3.157+/-0.293 χ^2/NDF: 21728.6/60

In: 9.217+/-0.318 χ^2/NDF:7914.0/50

Out: -3.745+/-0.306 χ^2/NDF:16065.8/57

All: 2.499+/-0.220 χ^2/NDF: 24842.8/108

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1683.639+/-0.298 χ^2/NDF: 1211500.9/27

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1705.798+/-0.289 χ^2/NDF: 1263657.5/32

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

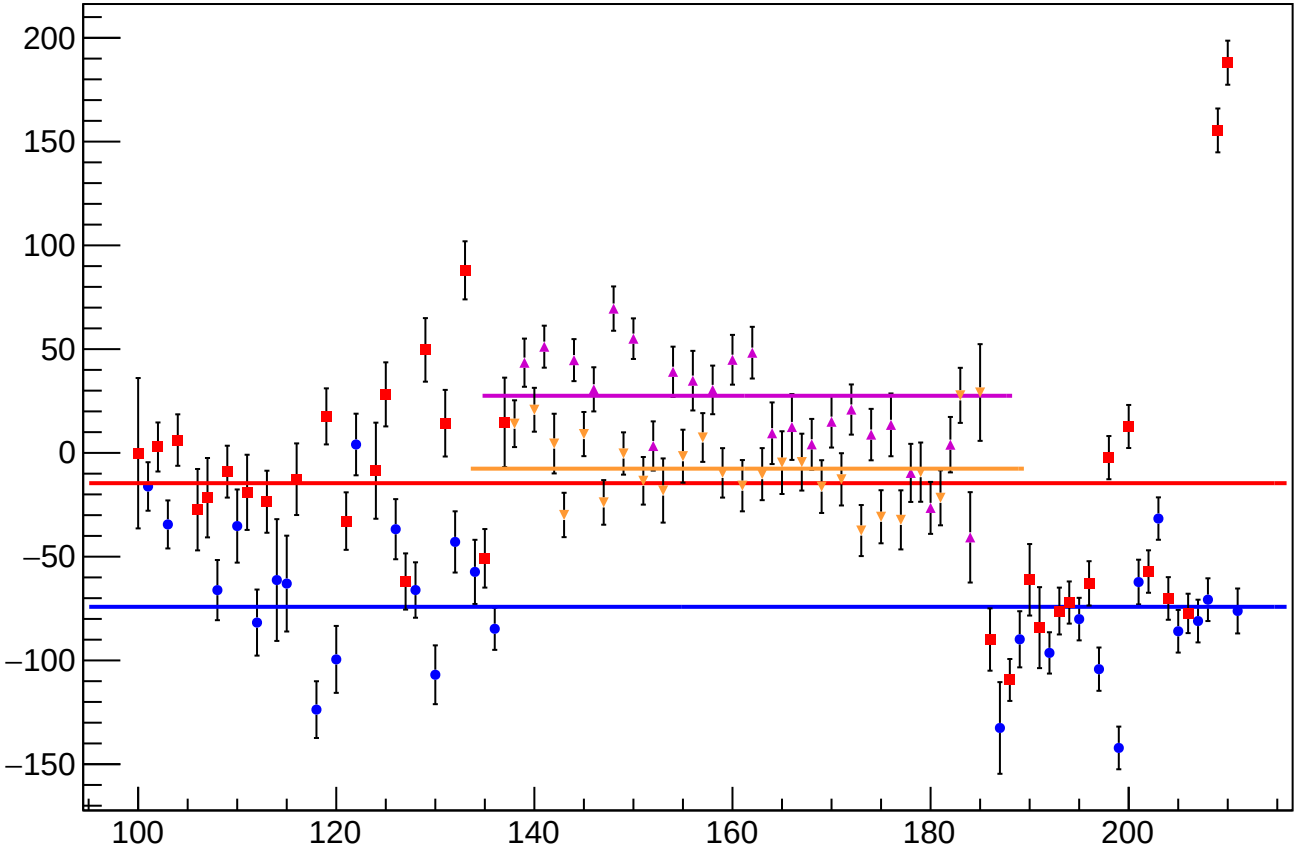
Right: 1695.069+/-0.207 χ^2/NDF: 2478014.1/60

In: 1828.850+/-0.225 χ^2/NDF:3377666.2/50

Out: 1826.807+/-0.217 χ^2/NDF:3644030.1/57

All: 1827.791+/-0.156 χ^2/NDF: 7021739.2/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -74.168+/-2.369 χ^2/NDF: 190.9/27

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -14.586+/-2.278 χ^2/NDF: 1054.0/32

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

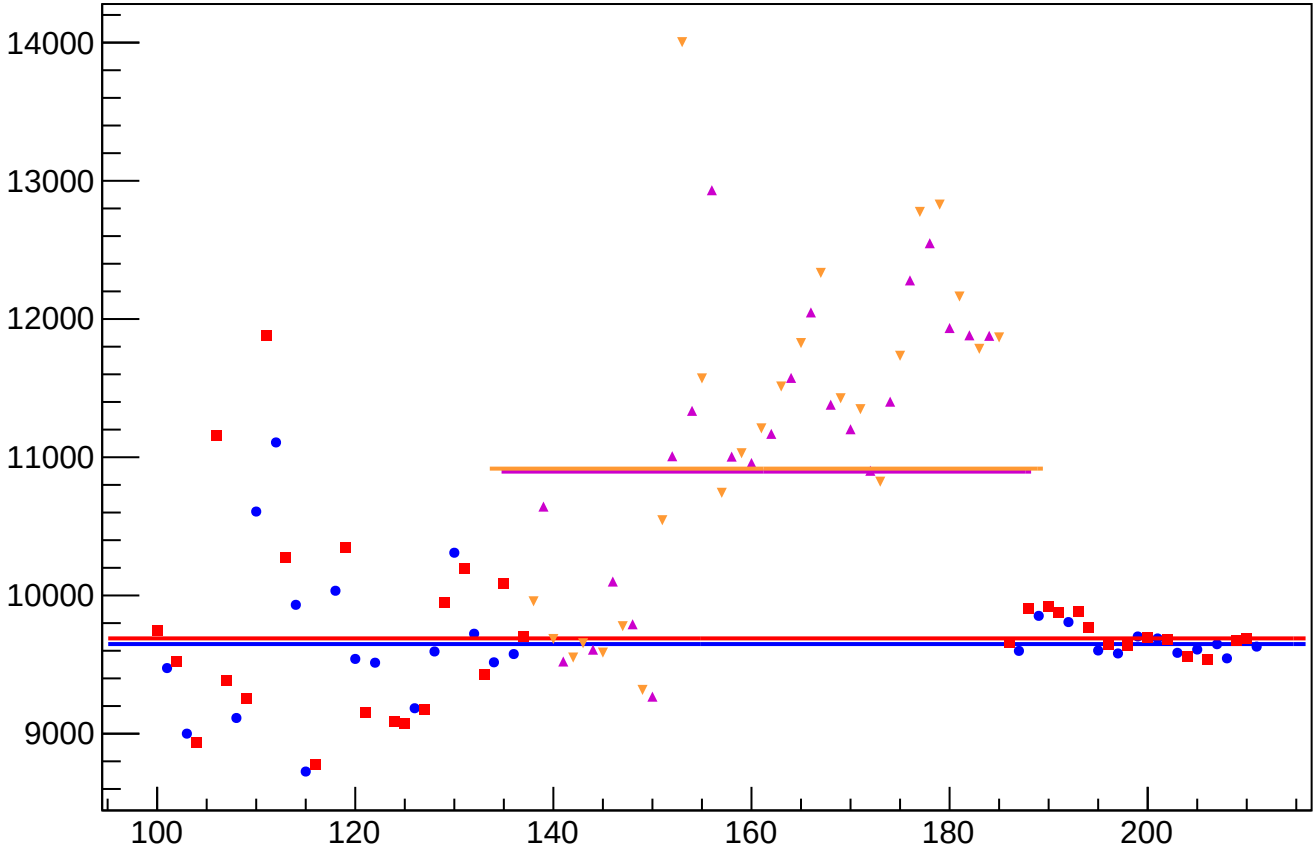
Right: -43.208+/-1.642 χ^2/NDF: 1573.5/60

In: -27.183+/-1.738 χ^2/NDF:1135.2/50

Out: -11.407+/-1.682 χ^2/NDF:1106.2/57

All: -19.039+/-1.209 χ^2/NDF: 2283.9/108

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9648.368+/-1.675 χ^2/NDF: 45605.4/27

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9689.442+/-1.611 χ^2/NDF: 83042.5/32

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

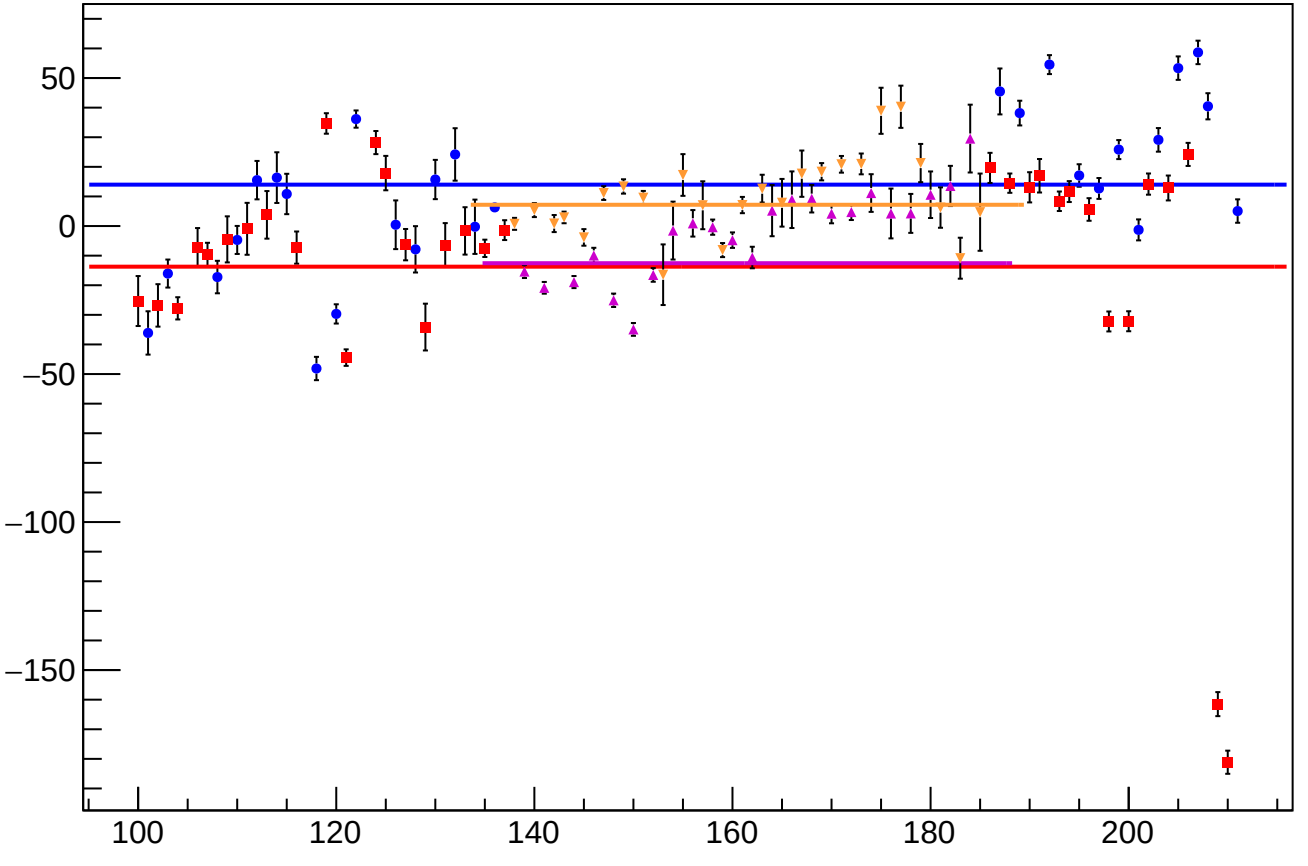
Right: 9669.711+/-1.161 χ^2/NDF: 128960.4/60

In: 10224.792+/-1.229 χ^2/NDF:599925.5/50

Out: 10247.819+/-1.190 χ^2/NDF:773229.3/57

All: 10236.679+/-0.855 χ^2/NDF: 1373336.1/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 13.984+/-0.763 χ^2/NDF: 1182.1/27

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -13.727+/-0.743 χ^2/NDF: 4233.3/32

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

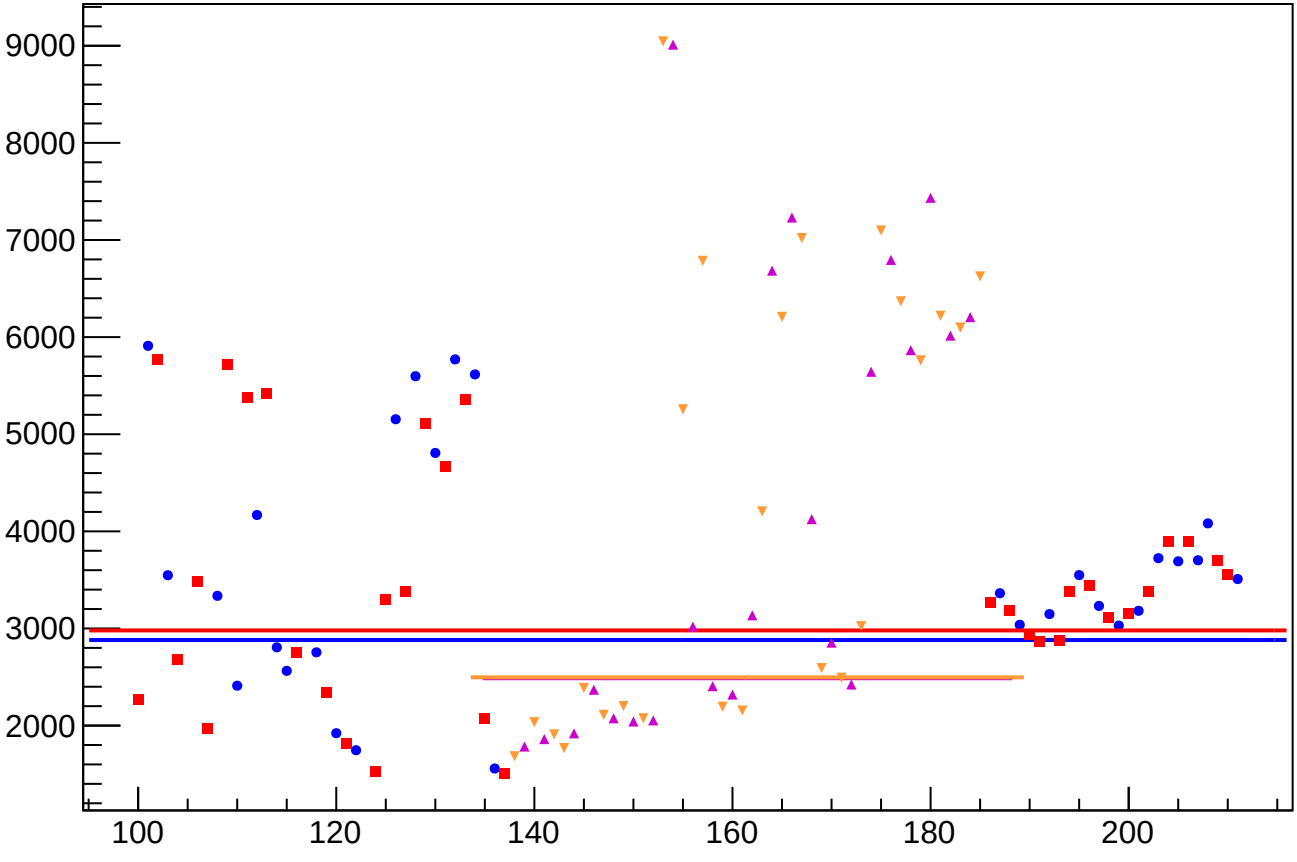
Right: -0.245+/-0.532 χ^2/NDF: 6092.8/60

In: -1.184+/-0.499 χ^2/NDF:2245.6/50

Out: -1.943+/-0.491 χ^2/NDF:4881.8/57

All: -1.570+/-0.350 χ^2/NDF: 7128.6/108

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2880.928+/-0.539 χ^2/NDF: 3772466.7/27

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2979.874+/-0.525 χ^2/NDF: 3185594.2/32

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

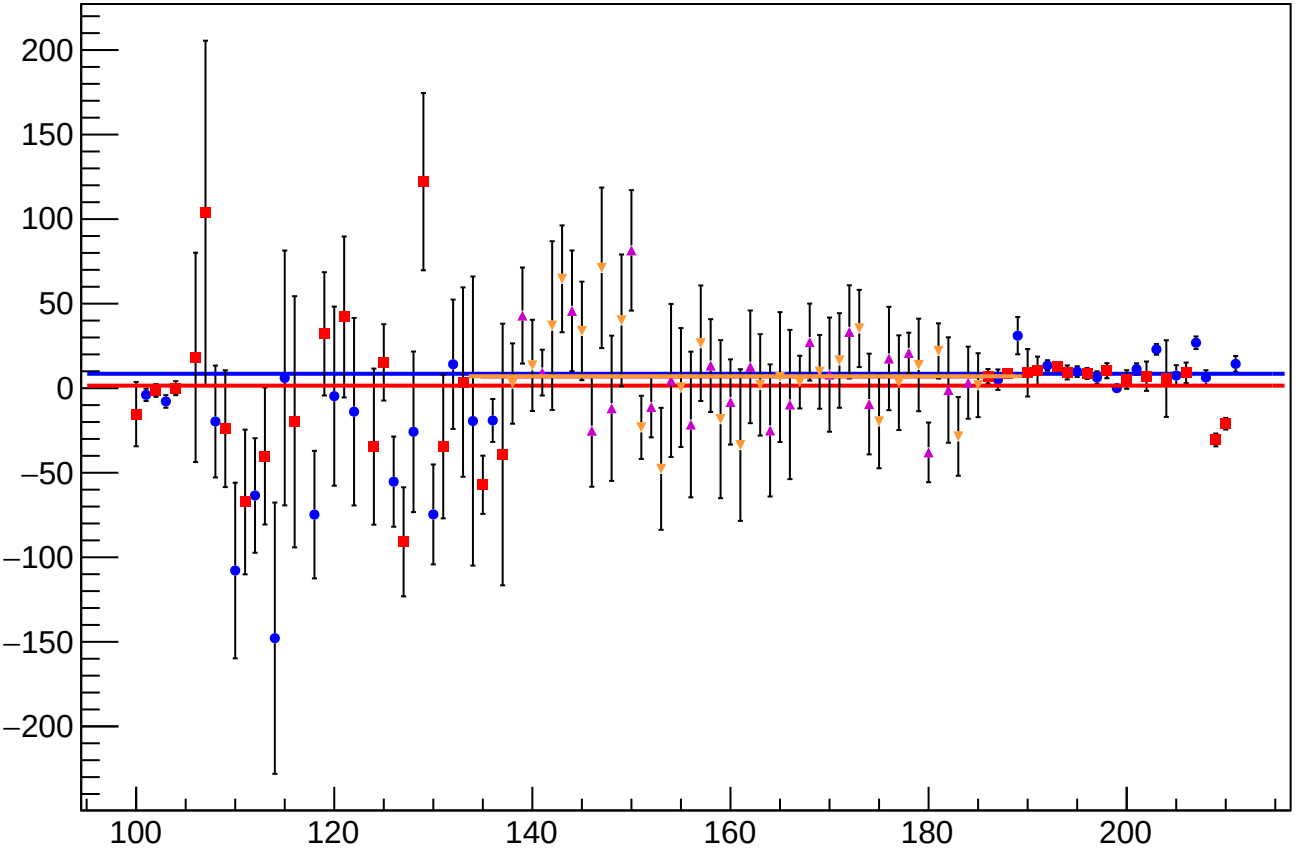
Right: 2931.736+/-0.376 χ^2/NDF: 6975333.4/60

In: 2656.175+/-0.353 χ^2/NDF:10179565.0/50

Out: 2707.662+/-0.347 χ^2/NDF:10868273.9/57

All: 2682.372+/-0.247 χ^2/NDF: 21058656.5/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 8.537+/-1.015 χ^2/NDF: 132.4/27

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 1.523+/-1.057 χ^2/NDF: 189.8/32

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

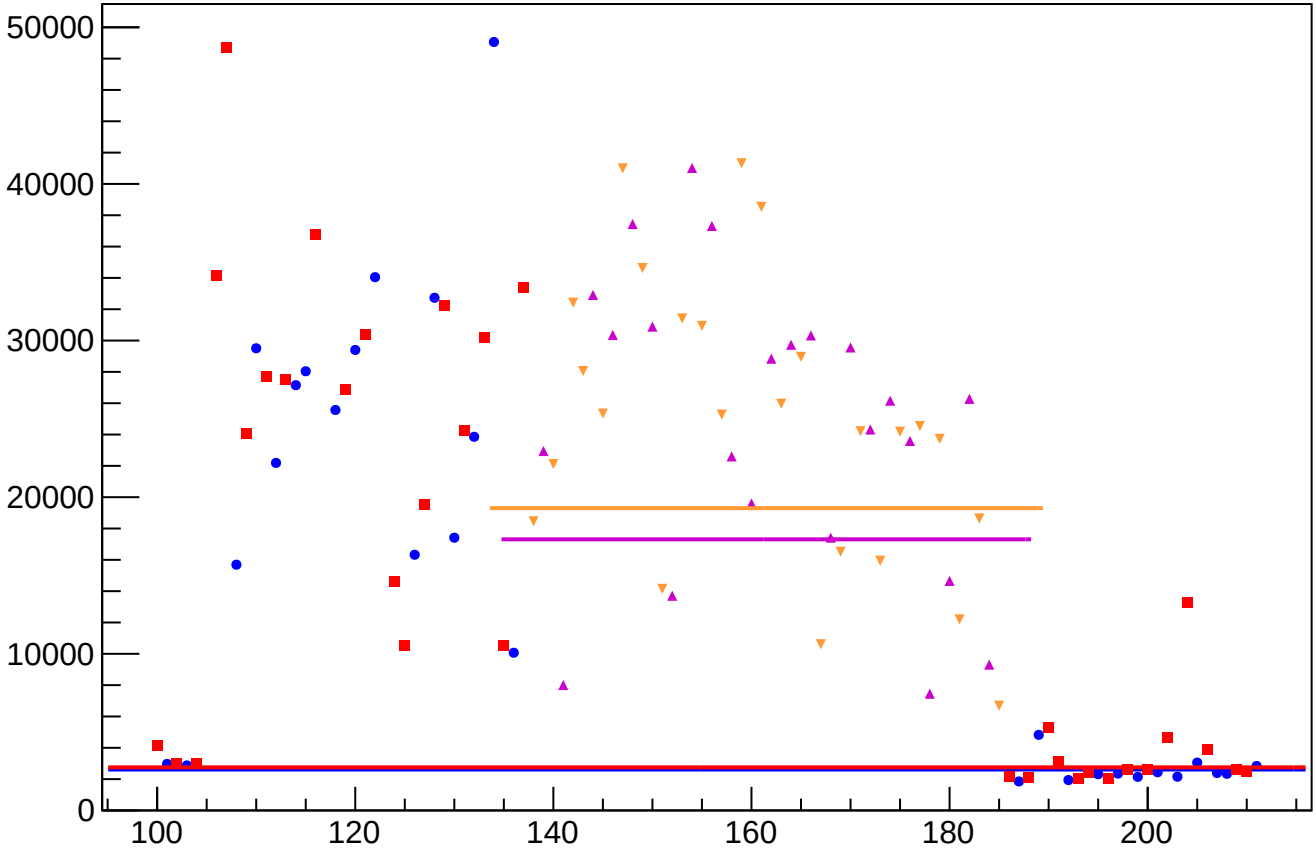
Right: 5.173+/-0.732 χ^2/NDF: 345.1/60

In: 8.476+/-0.995 χ^2/NDF:153.6/50

Out: 1.740+/-1.036 χ^2/NDF:210.4/57

All: 5.244+/-0.718 χ^2/NDF: 386.0/108

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2615.153+/-0.718 χ^2/NDF: 7949549.6/27

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2751.162+/-0.748 χ^2/NDF: 9419939.6/32

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

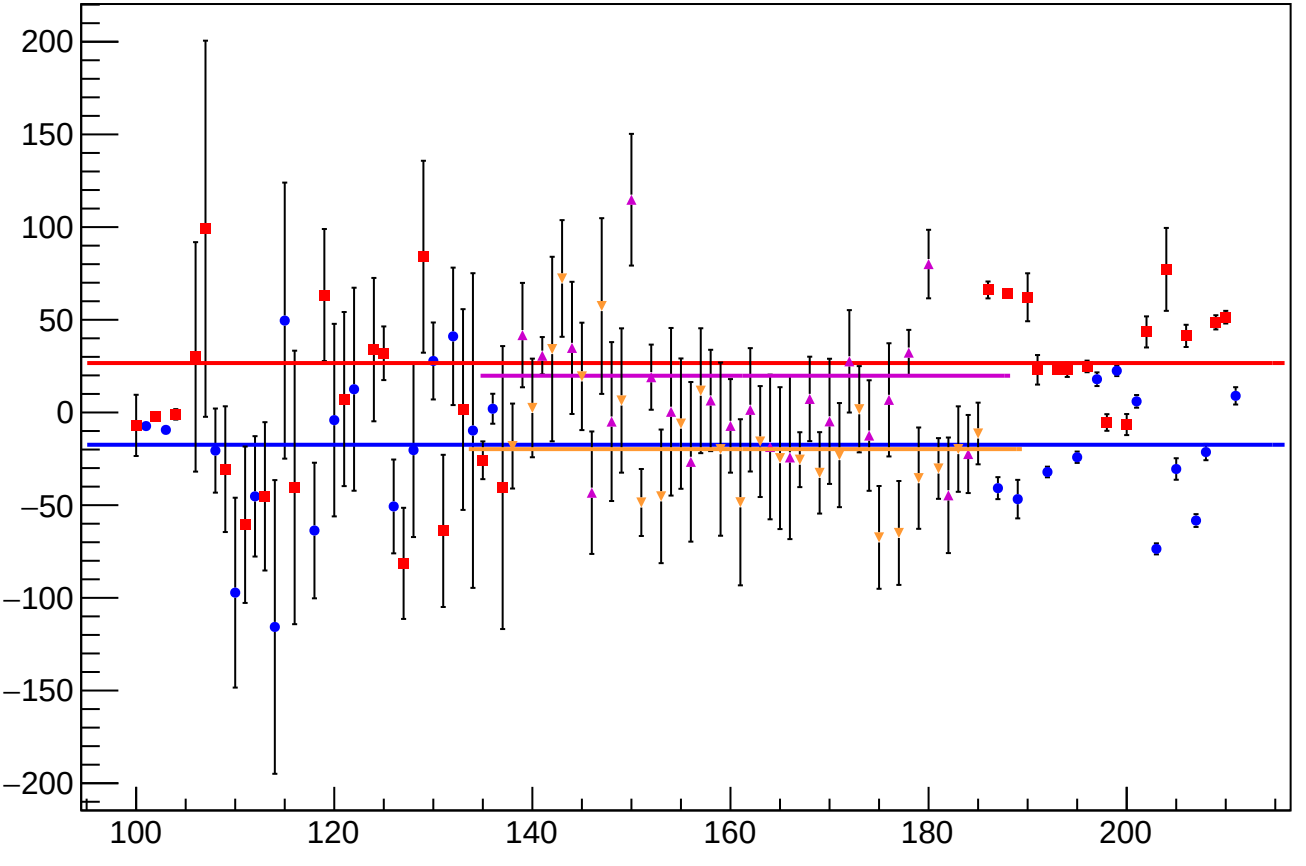
Right: 2680.380+/-0.518 χ^2/NDF: 17386714.3/60

In: 3176.918+/-0.704 χ^2/NDF:30696745.0/50

Out: 3401.459+/-0.733 χ^2/NDF:33711485.4/57

All: 3284.665+/-0.508 χ^2/NDF: 64457073.1/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -17.413+/-0.911 χ^2/NDF: 965.2/27

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 26.664+/-0.948 χ^2/NDF: 774.7/32

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

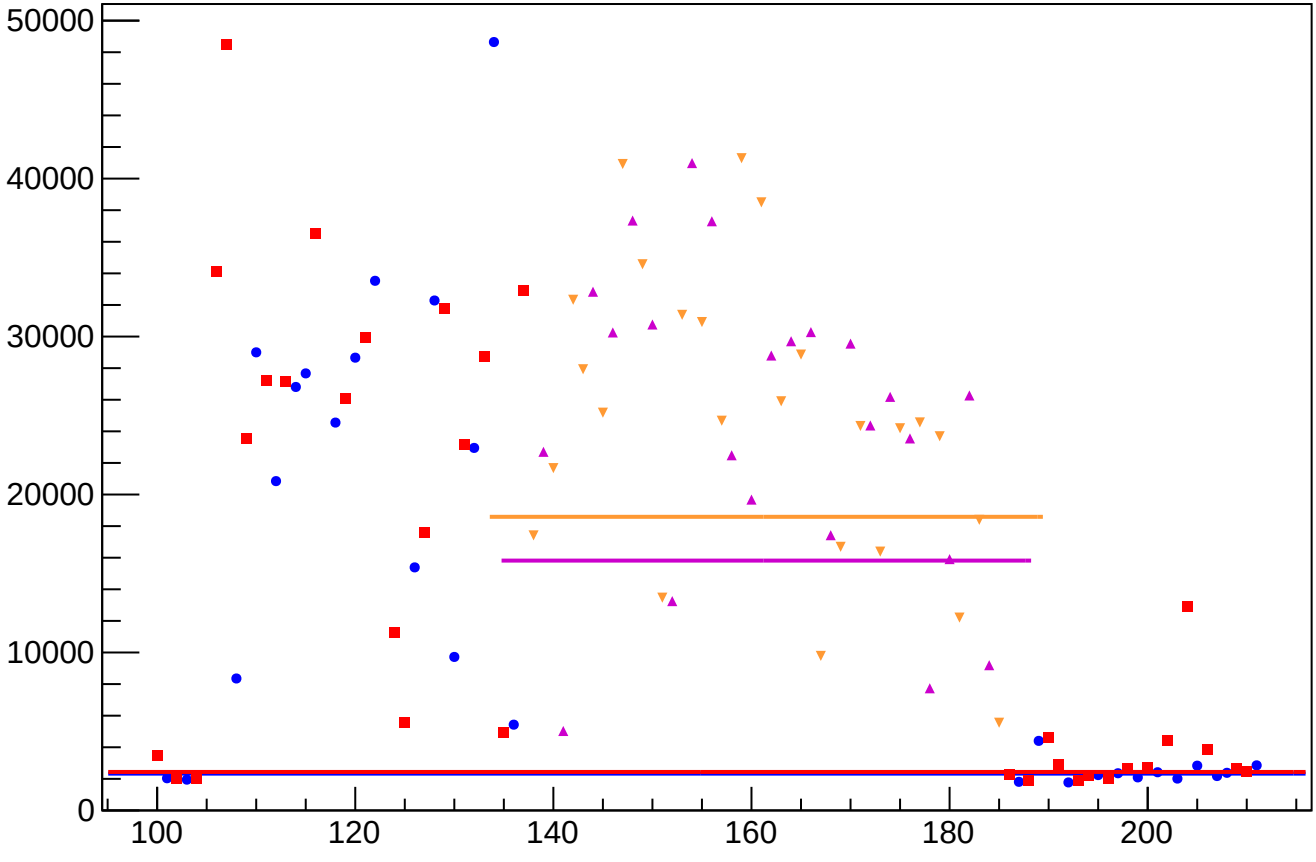
Right: 3.728+/-0.657 χ^2/NDF: 2863.8/60

In: -16.143+/-0.895 χ^2/NDF:1062.6/50

Out: 25.122+/-0.933 χ^2/NDF:882.1/57

All: 3.639+/-0.646 χ^2/NDF: 2964.0/108

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2332.384+/-0.644 χ^2/NDF: 7093097.8/27

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2437.571+/-0.671 χ^2/NDF: 9016514.7/32

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

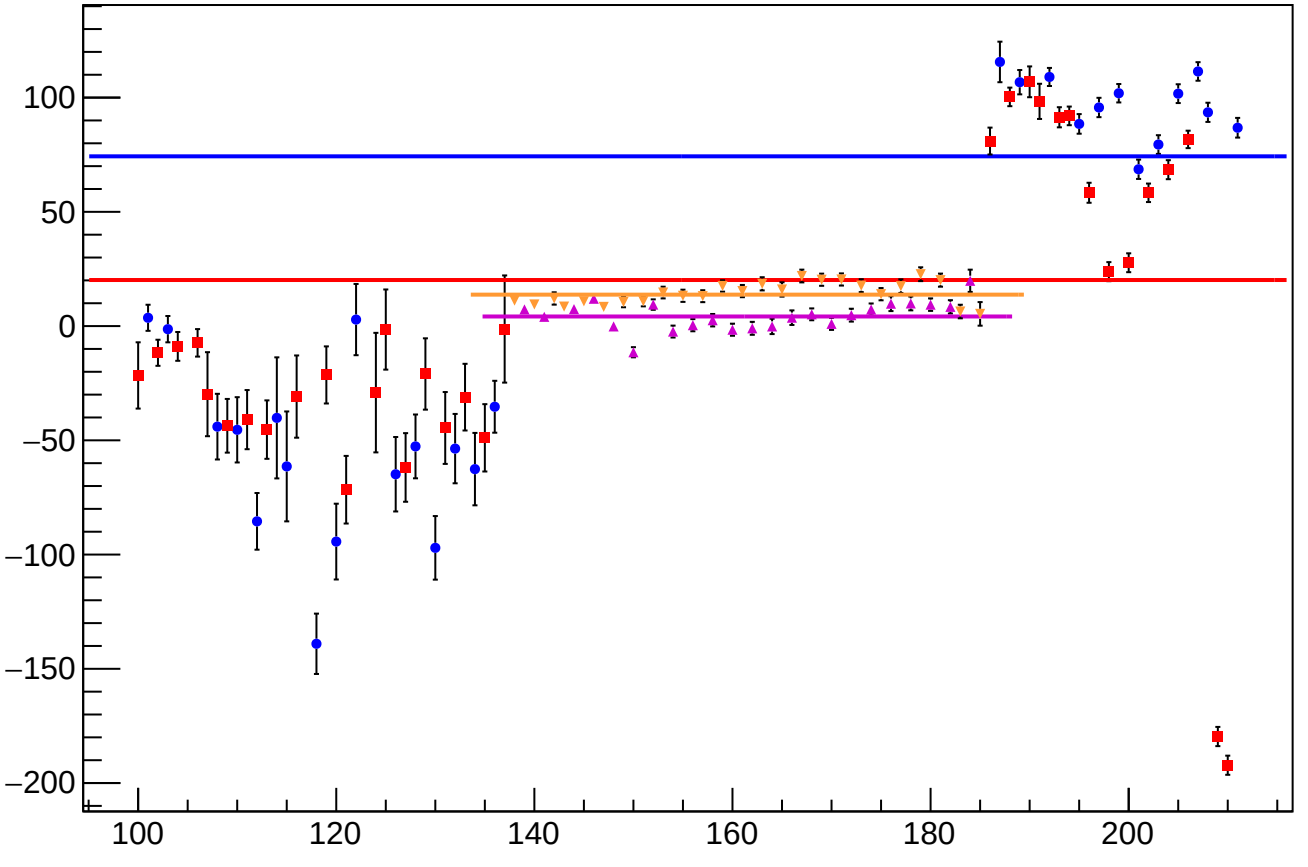
Right: 2382.835+/-0.464 χ^2/NDF: 16122413.1/60

In: 2792.343+/-0.633 χ^2/NDF:30461821.1/50

Out: 2974.104+/-0.659 χ^2/NDF:33981787.9/57

All: 2879.479+/-0.457 χ^2/NDF: 64483161.6/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 74.296+/-1.152 χ^2/NDF: 1991.6/27

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 20.162+/-1.077 χ^2/NDF: 7045.4/32

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

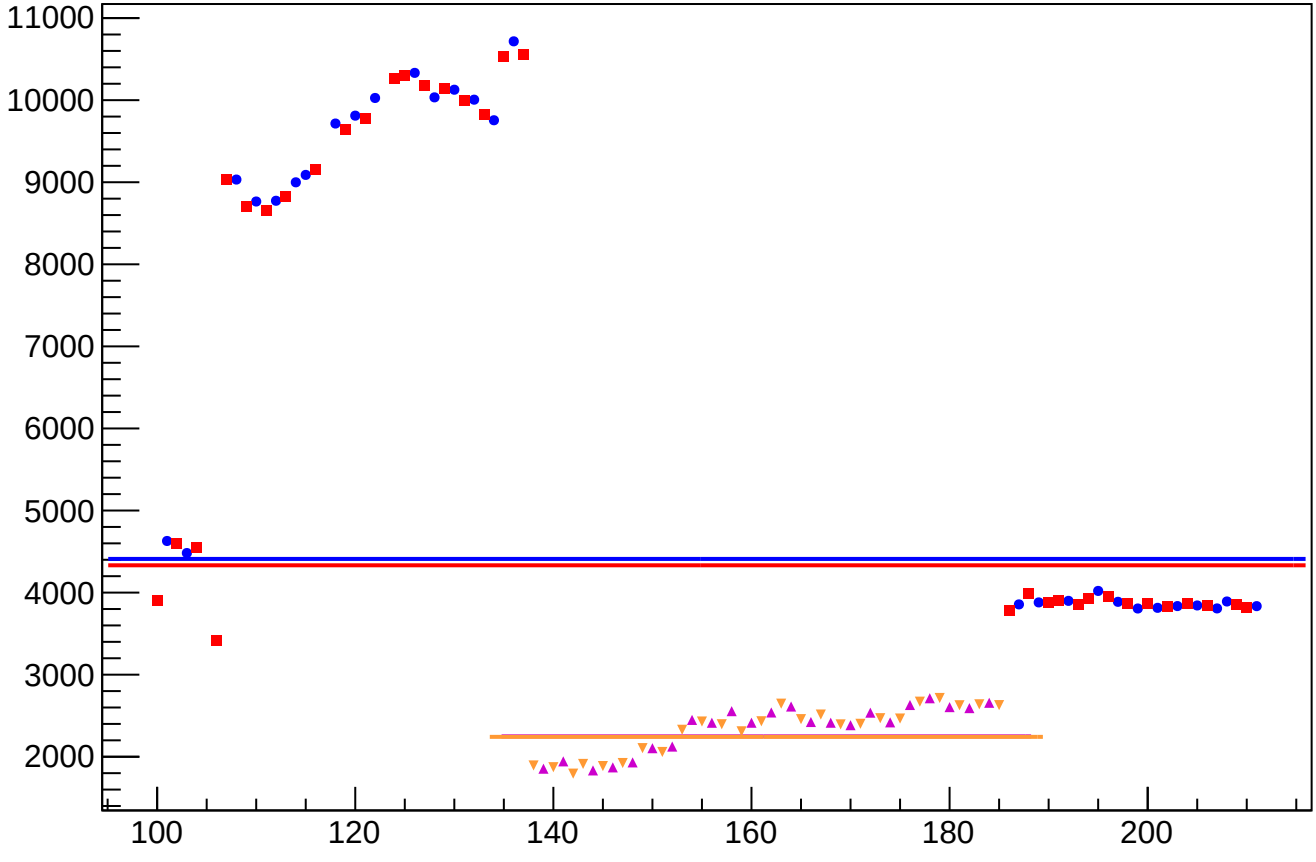
Right: 45.400+/-0.787 χ^2/NDF: 10214.8/60

In: 16.442+/-0.482 χ^2/NDF:5169.0/50

Out: 14.949+/-0.464 χ^2/NDF:7151.4/57

All: 15.667+/-0.334 χ^2/NDF: 12325.4/108

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4410.450+/-0.815 χ^2/NDF: 3995977.1/27

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4332.619+/-0.762 χ^2/NDF: 3961587.9/32

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

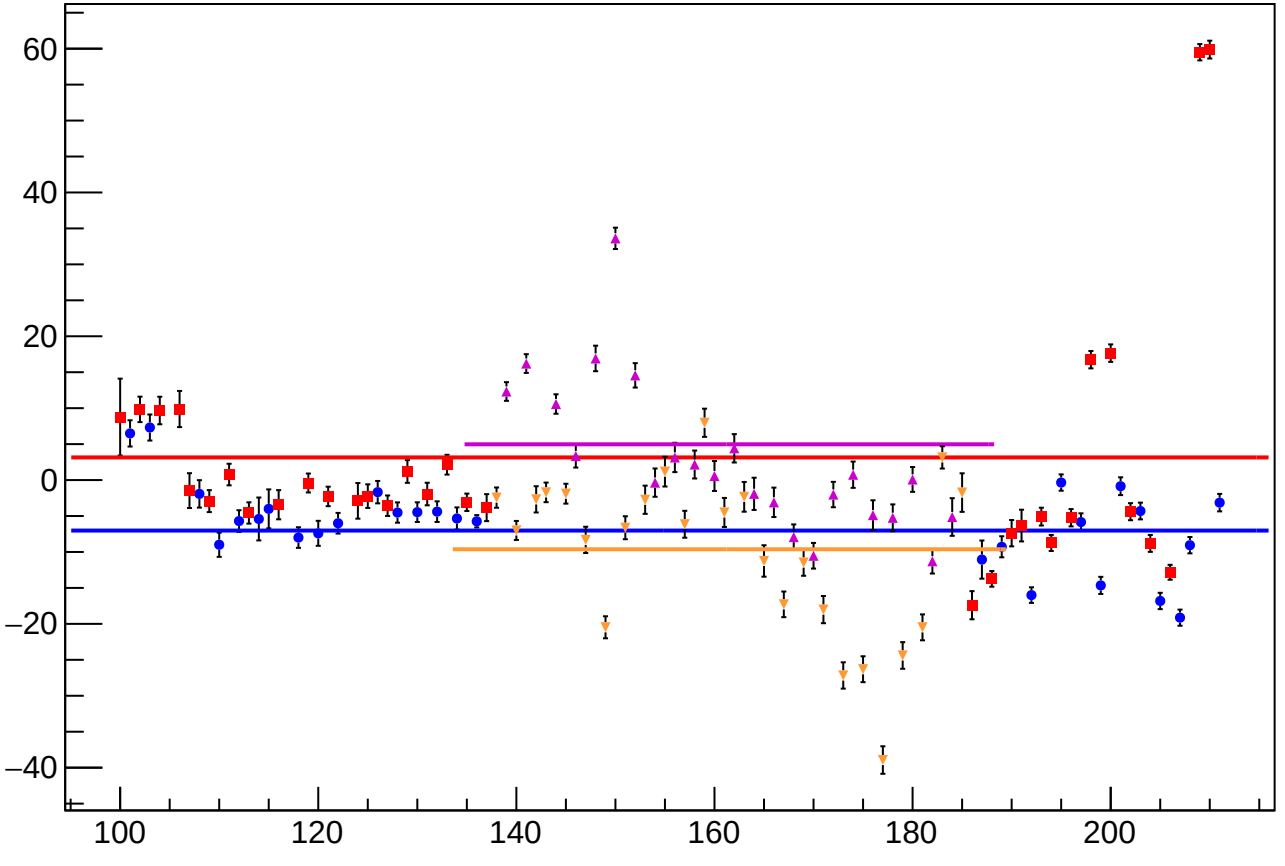
Right: 4368.904+/-0.556 χ^2/NDF: 7962434.6/60

In: 2626.092+/-0.341 χ^2/NDF:10447590.5/50

Out: 2630.131+/-0.328 χ^2/NDF:10755736.4/57

All: 2628.187+/-0.236 χ^2/NDF: 21203399.8/

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -7.024+/-0.259 χ^2/NDF: 538.6/27

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 3.151+/-0.251 χ^2/NDF: 6017.0/32

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

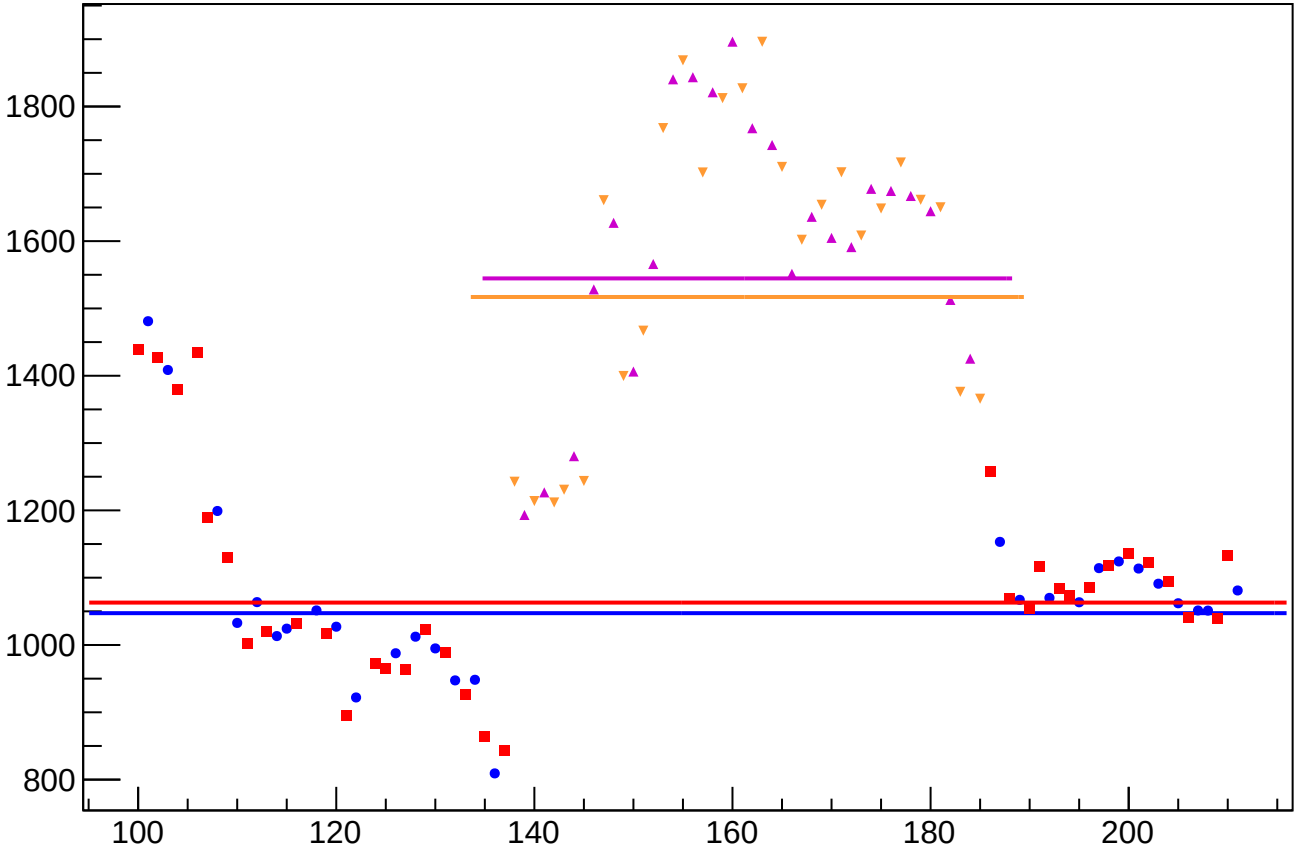
Right: -1.786+/-0.180 χ^2/NDF: 7353.1/60

In: -3.010+/-0.211 χ^2/NDF:2188.9/50

Out: -1.201+/-0.204 χ^2/NDF:7833.9/57

All: -2.075+/-0.147 χ^2/NDF: 10060.8/108

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1047.291+/-0.183 χ^2/NDF: 429852.2/27

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.995+/-0.177 χ^2/NDF: 414102.8/32

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

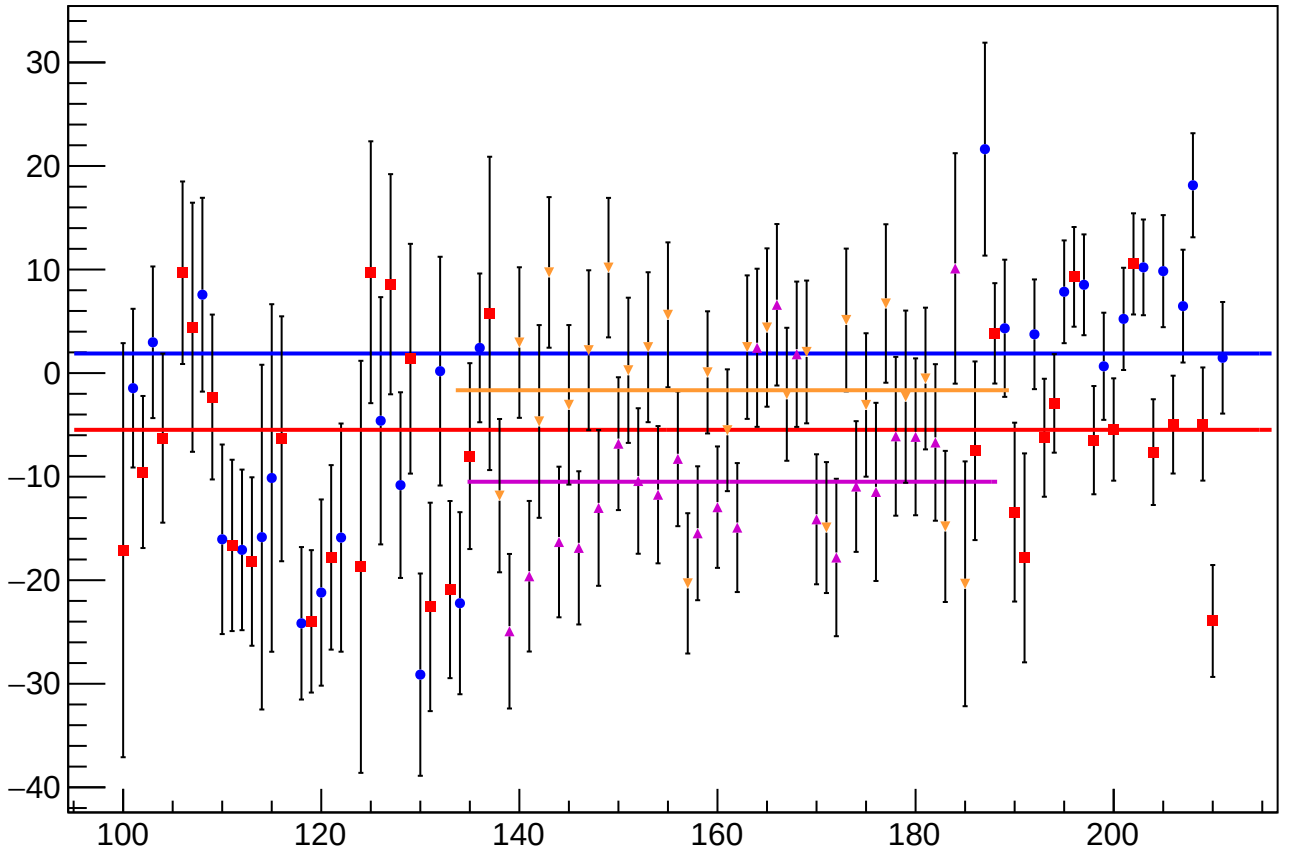
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1055.376+/-0.127 χ^2/NDF: 847754.9/60

In: 1213.649+/-0.149 χ^2/NDF:3544771.4/50

Out: 1217.674+/-0.144 χ^2/NDF:3477299.3/57

All: 1215.731+/-0.104 χ^2/NDF: 7022447.5/10



Right In: 1.893+/-1.280 χ^2/NDF: 78.0/27

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -5.479+/-1.216 χ^2/NDF: 67.2/32

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

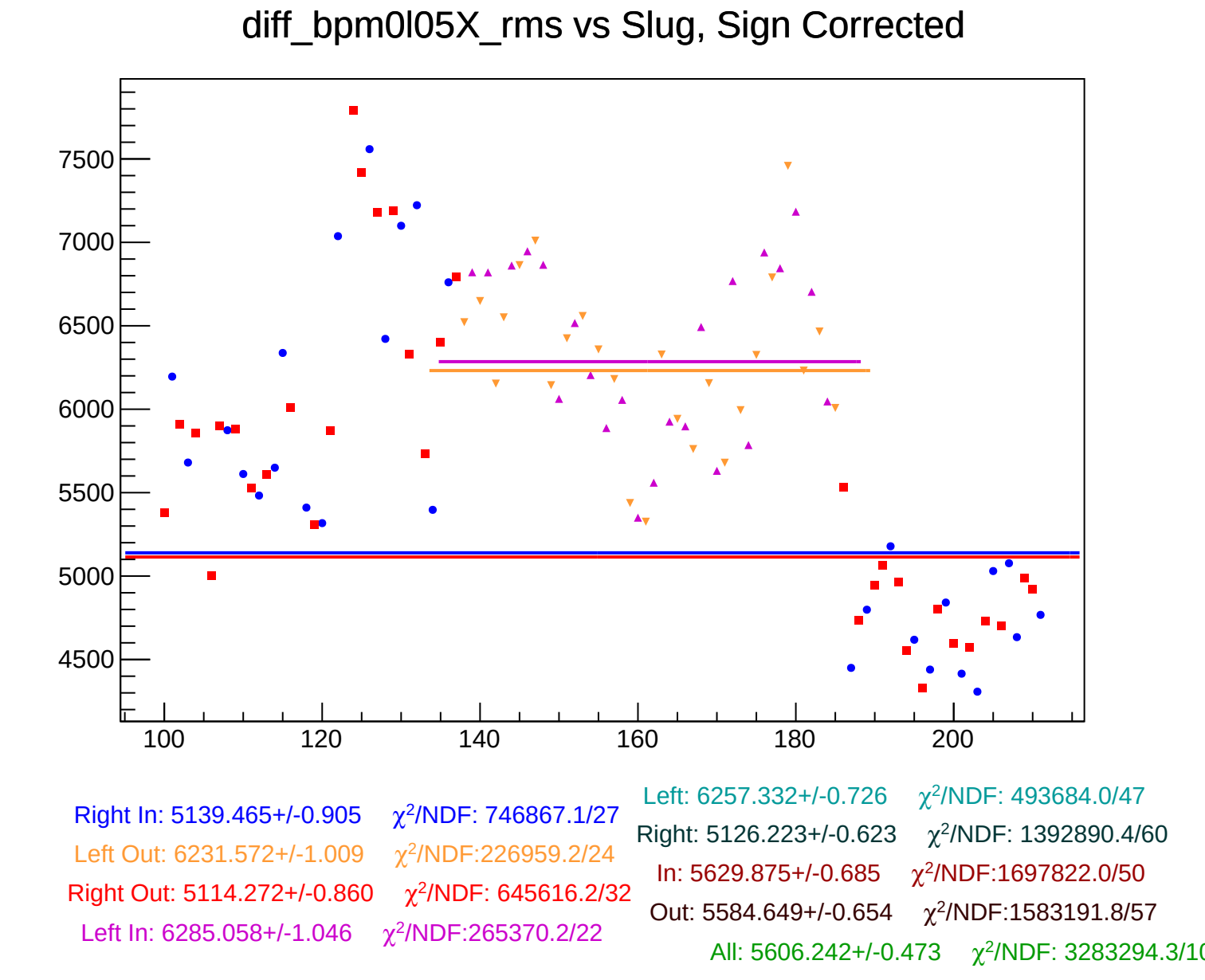
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

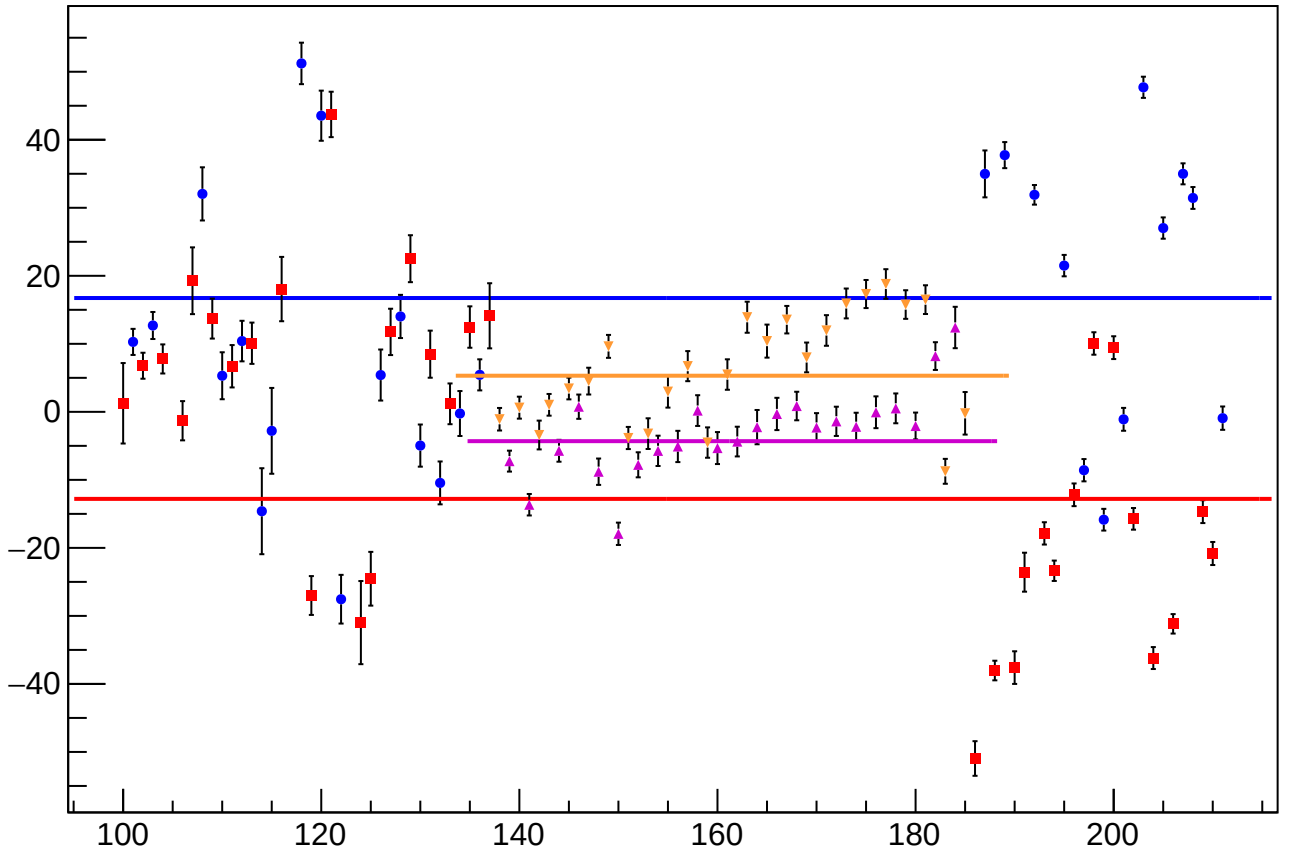
Right: -1.982+/-0.882 χ^2/NDF: 162.6/60

In: -3.409+/-0.968 χ^2/NDF:143.0/50

Out: -3.869+/-0.925 χ^2/NDF:102.8/57

All: -3.649+/-0.669 χ^2/NDF: 245.9/108


diff_bpm0l05X_rms vs Slug, Sign Corrected
7500
7000
6500
6000
5500
5000
4500
100
120
140
160
180
200
Right In: 5139.465+/-0.905 χ²/NDF: 746867.1/27
Left Out: 6231.572+/-1.009 χ²/NDF:226959.2/24
Right Out: 5114.272+/-0.860 χ²/NDF: 645616.2/32
Left In: 6285.058+/-1.046 χ²/NDF:265370.2/22
Left: 6257.332+/-0.726 χ²/NDF: 493684.0/47
Right: 5126.223+/-0.623 χ²/NDF: 1392890.4/60
In: 5629.875+/-0.685 χ²/NDF:1697822.0/50
Out: 5584.649+/-0.654 χ²/NDF:1583191.8/57
All: 5606.242+/-0.473 χ²/NDF: 3283294.3/10



Right In: 16.734+/-0.406 χ^2/NDF: 2402.8/27

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -12.796+/-0.387 χ^2/NDF: 2609.2/32

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

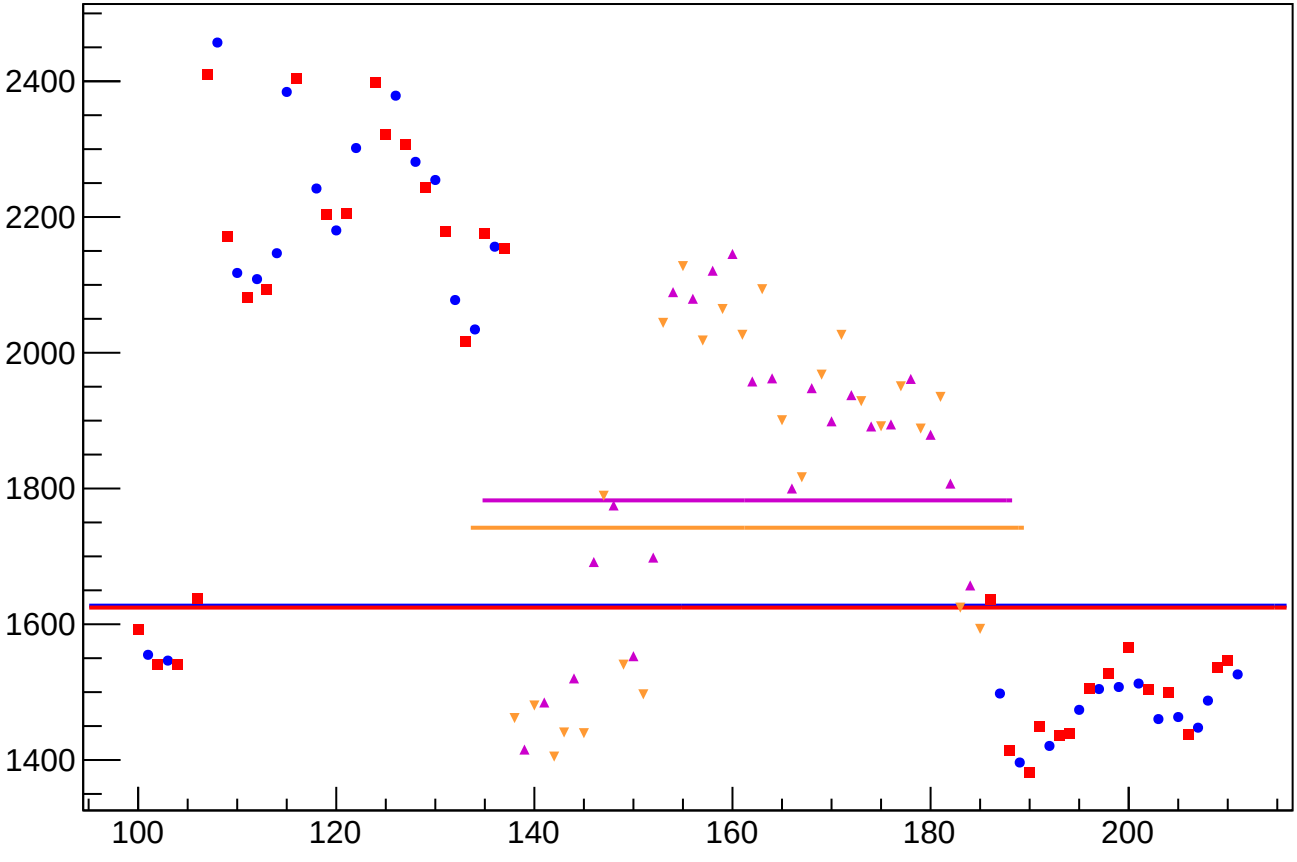
Right: 1.278+/-0.280 χ^2/NDF: 7787.5/60

In: 6.583+/-0.292 χ^2/NDF:3922.2/50

Out: -4.050+/-0.278 χ^2/NDF:4045.1/57

All: 1.015+/-0.201 χ^2/NDF: 8662.8/108

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1627.394+/-0.287 χ^2/NDF: 1071592.4/27

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1624.570+/-0.274 χ^2/NDF: 1044625.5/32

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

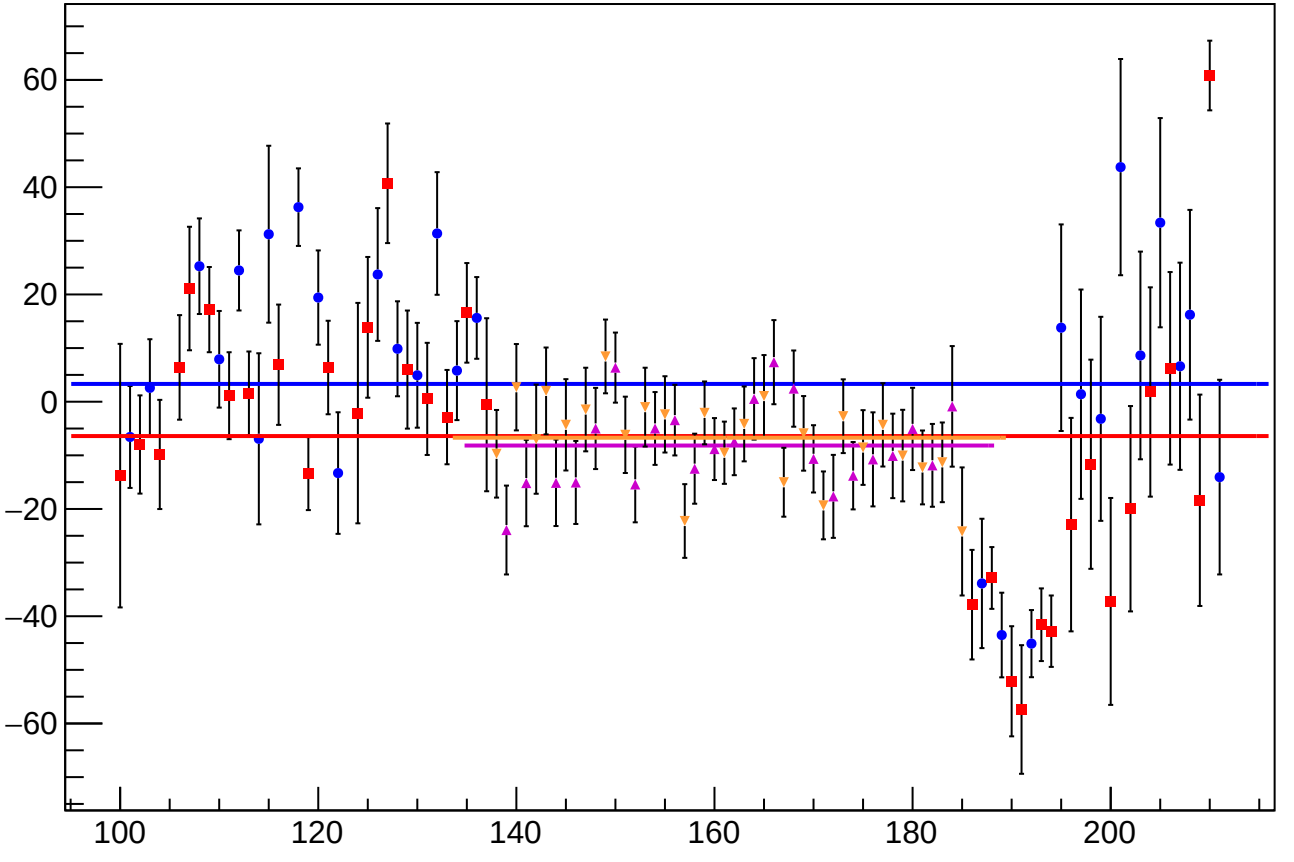
Right: 1625.916+/-0.198 χ^2/NDF: 2116268.6/60

In: 1702.213+/-0.206 χ^2/NDF:1747108.4/50

Out: 1681.395+/-0.197 χ^2/NDF:1901578.1/57

All: 1691.310+/-0.142 χ^2/NDF: 3654019.2/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.315+/-1.990 χ^2/NDF: 169.8/27

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -6.405+/-1.724 χ^2/NDF: 288.7/32

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

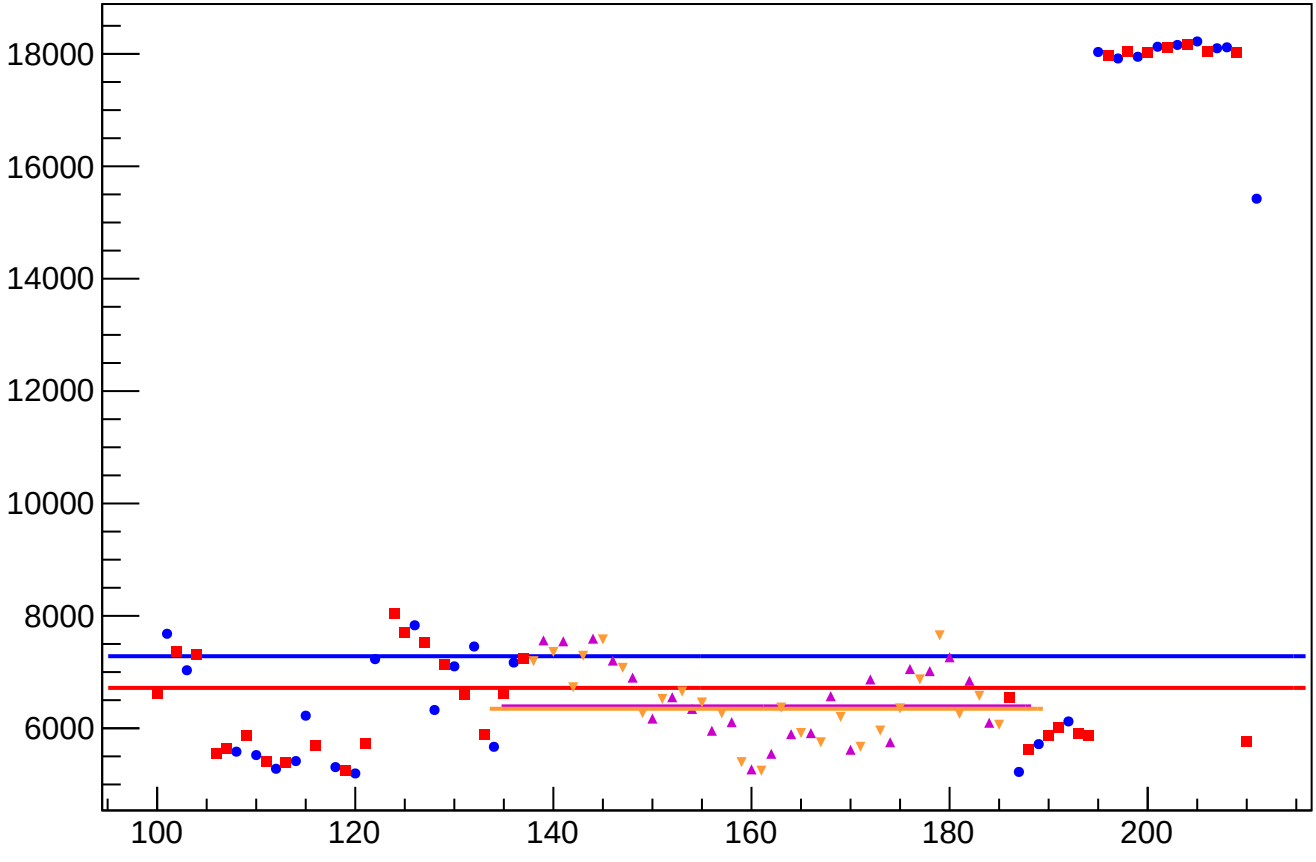
Right: -2.238+/-1.303 χ^2/NDF: 472.1/60

In: -3.974+/-1.203 χ^2/NDF:215.1/50

Out: -6.585+/-1.113 χ^2/NDF:314.4/57

All: -5.380+/-0.817 χ^2/NDF: 532.0/108

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7282.150+/-1.407 χ^2/NDF: 6219816.8/27

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6718.254+/-1.219 χ^2/NDF: 5433153.7/32

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

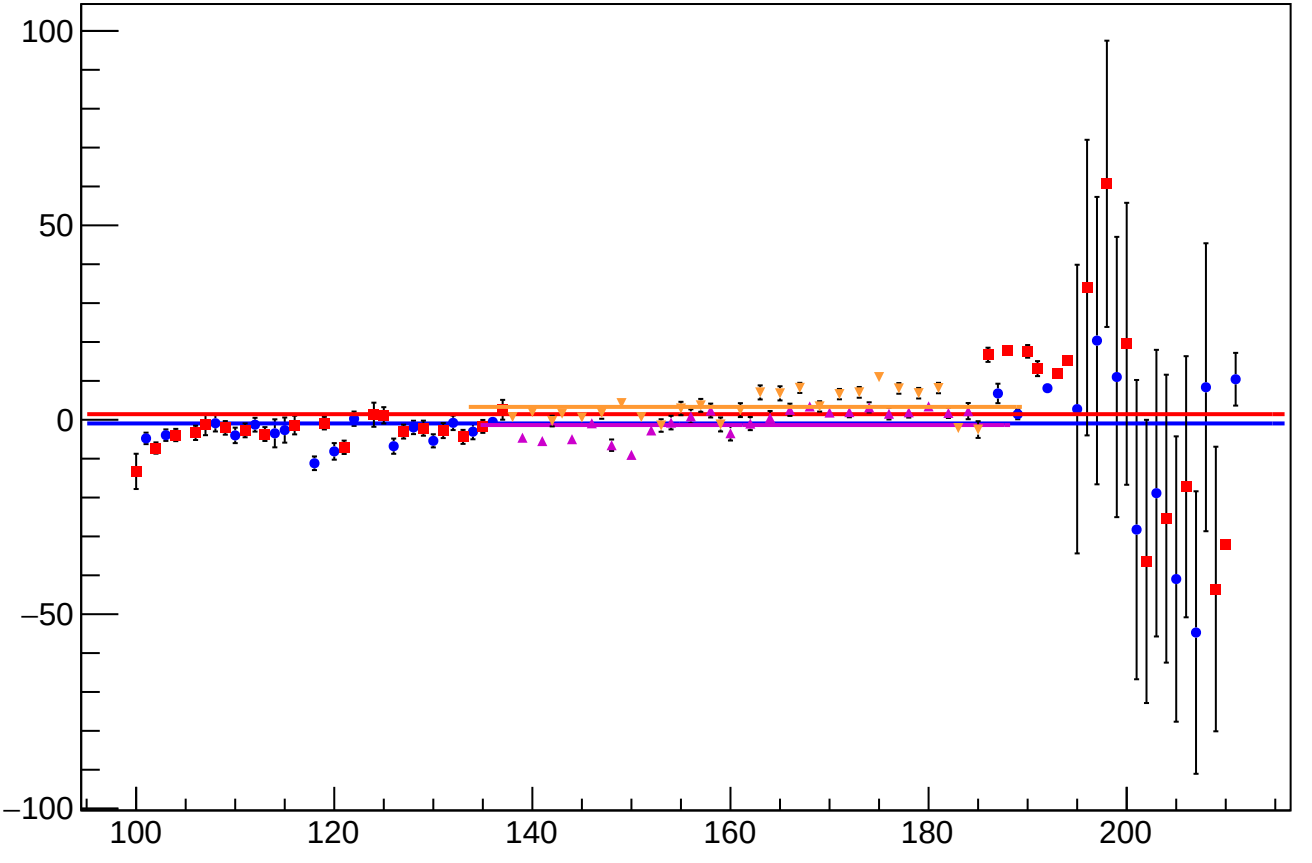
Right: 6960.005+/-0.921 χ^2/NDF: 11744715.8/60

In: 6715.612+/-0.851 χ^2/NDF:6895008.1/50

Out: 6501.957+/-0.787 χ^2/NDF:5873180.4/57

All: 6600.517+/-0.578 χ^2/NDF: 12802178.6/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.943+/-0.385 χ^2/NDF: 186.4/27

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.442+/-0.329 χ^2/NDF: 1589.1/32

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

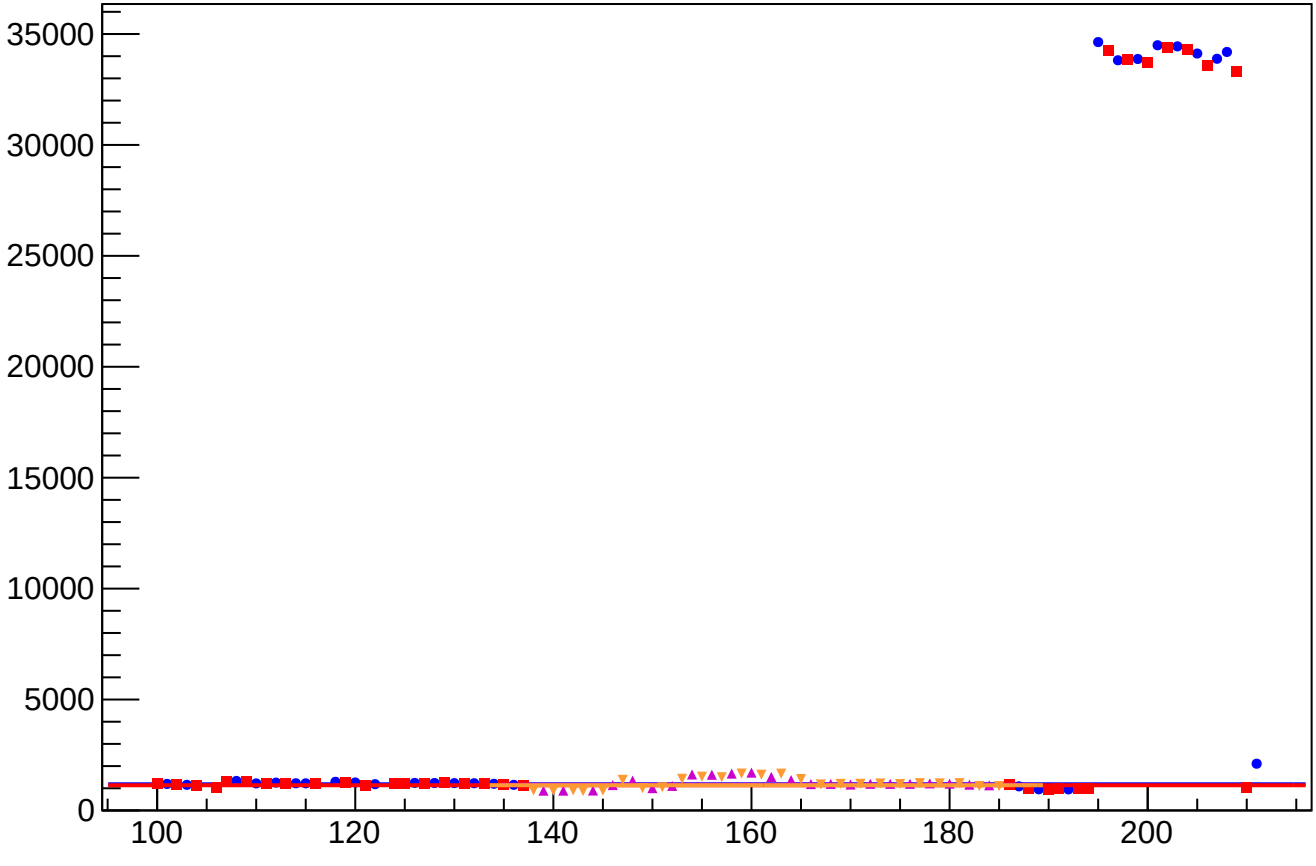
Right: 0.436+/-0.250 χ^2/NDF: 1797.6/60

In: -1.215+/-0.225 χ^2/NDF:383.4/50

Out: 2.577+/-0.206 χ^2/NDF:1786.6/57

All: 0.845+/-0.152 χ^2/NDF: 2324.6/108

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1179.599+/-0.272 χ^2/NDF: 13032151.2/27

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1136.185+/-0.233 χ^2/NDF: 11632432.9/32

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

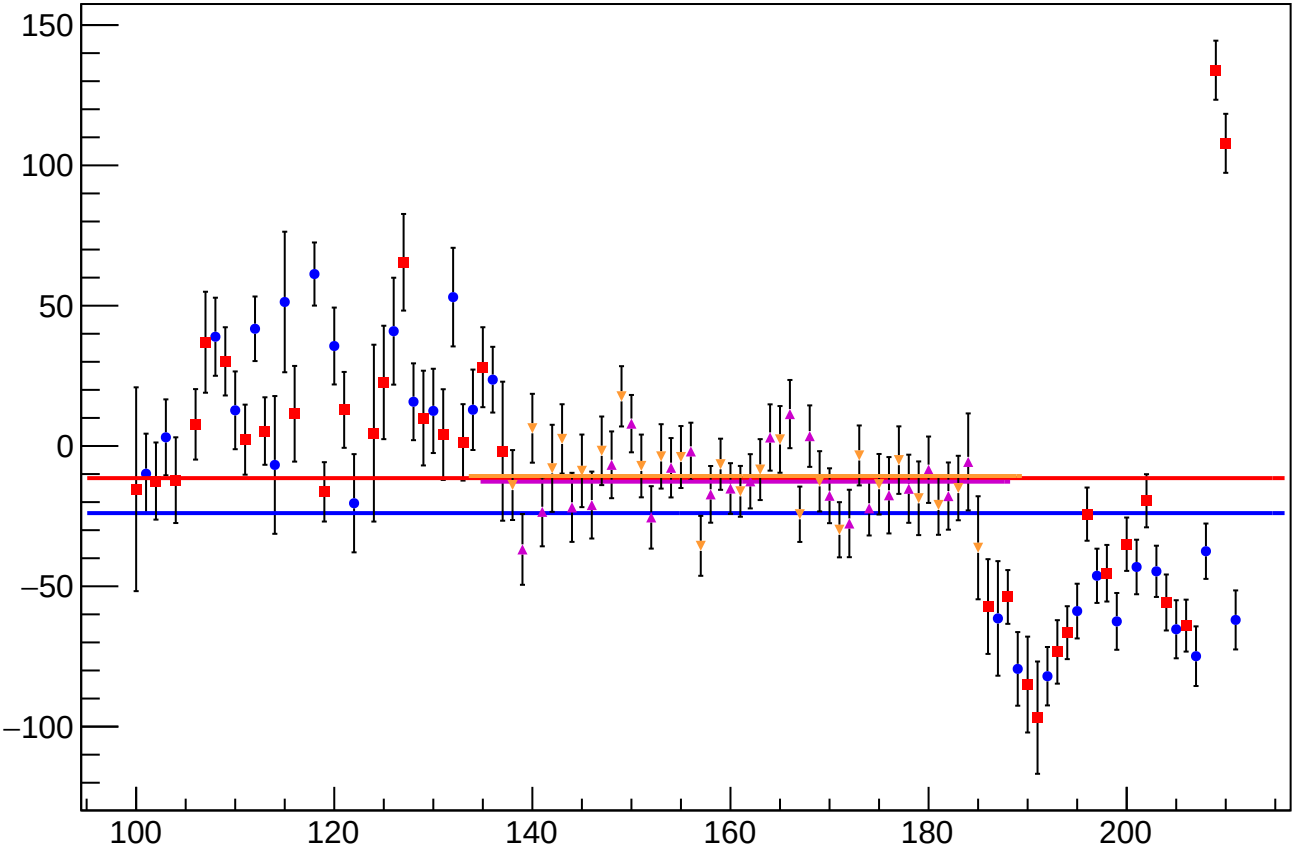
Right: 1154.495+/-0.177 χ^2/NDF: 24679268.5/60

In: 1166.293+/-0.159 χ^2/NDF:14295560.3/50

Out: 1136.772+/-0.146 χ^2/NDF:13102129.4/57

All: 1150.260+/-0.107 χ^2/NDF: 27416434.6/

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -23.918+/-2.328 χ^2/NDF: 367.2/27

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -11.451+/-2.202 χ^2/NDF: 583.2/32

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

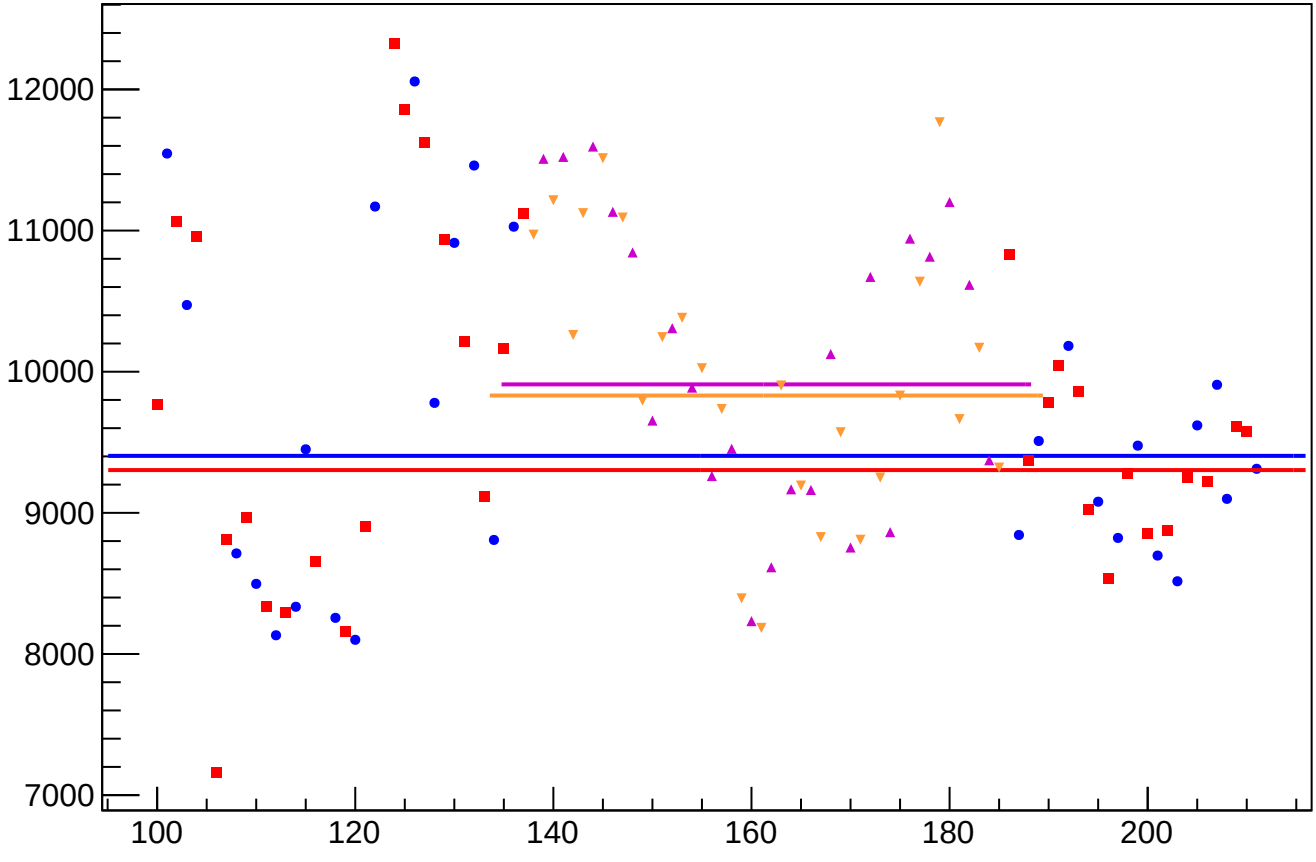
Right: -17.338+/-1.600 χ^2/NDF: 965.4/60

In: -18.349+/-1.651 χ^2/NDF:402.7/50

Out: -11.083+/-1.576 χ^2/NDF:611.9/57

All: -14.549+/-1.140 χ^2/NDF: 1024.8/108

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9403.865+/-1.646 χ^2/NDF: 347597.5/27

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9303.033+/-1.557 χ^2/NDF: 354634.6/32

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

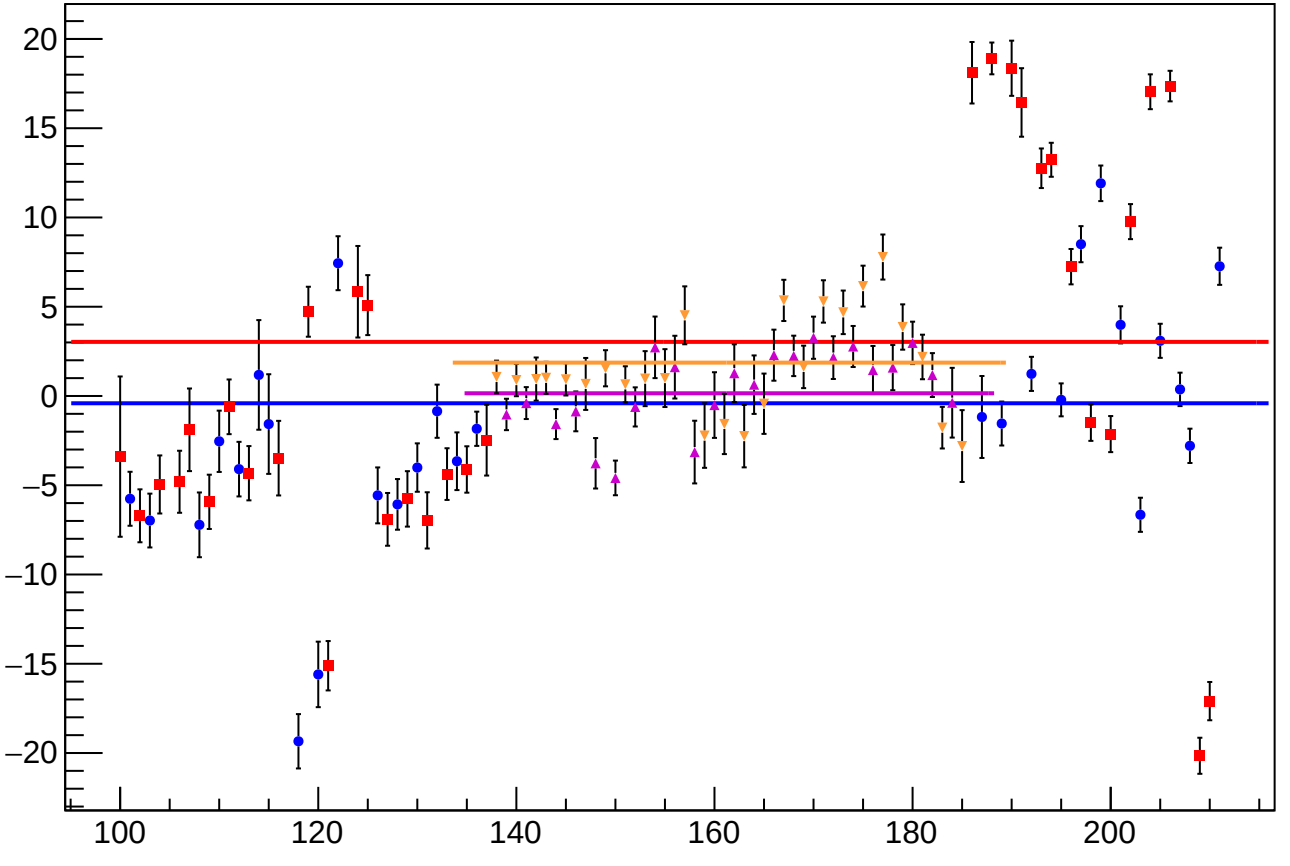
Right: 9350.647+/-1.131 χ^2/NDF: 704212.2/60

In: 9655.699+/-1.167 χ^2/NDF:784026.6/50

Out: 9560.639+/-1.115 χ^2/NDF:766884.8/57

All: 9605.977+/-0.806 χ^2/NDF: 1554380.6/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.408+/-0.235 χ^2/NDF: 713.6/27

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.031+/-0.226 χ^2/NDF: 2736.1/32

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

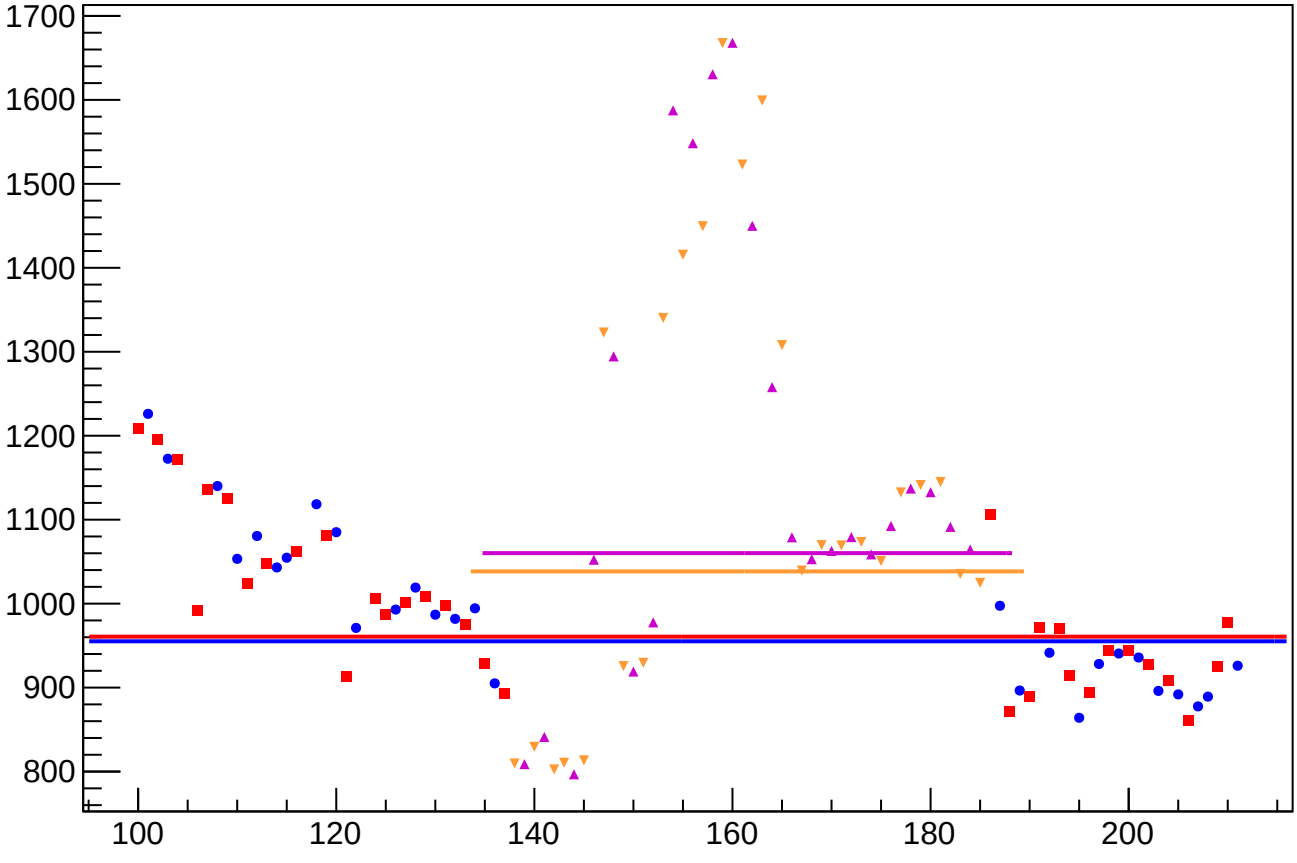
Right: 1.377+/-0.163 χ^2/NDF: 3560.8/60

In: -0.150+/-0.173 χ^2/NDF:791.9/50

Out: 2.490+/-0.165 χ^2/NDF:2851.6/57

All: 1.226+/-0.119 χ^2/NDF: 3765.4/108

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 955.159+/-0.166 χ^2/NDF: 266462.4/27

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 960.673+/-0.160 χ^2/NDF: 258751.4/32

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

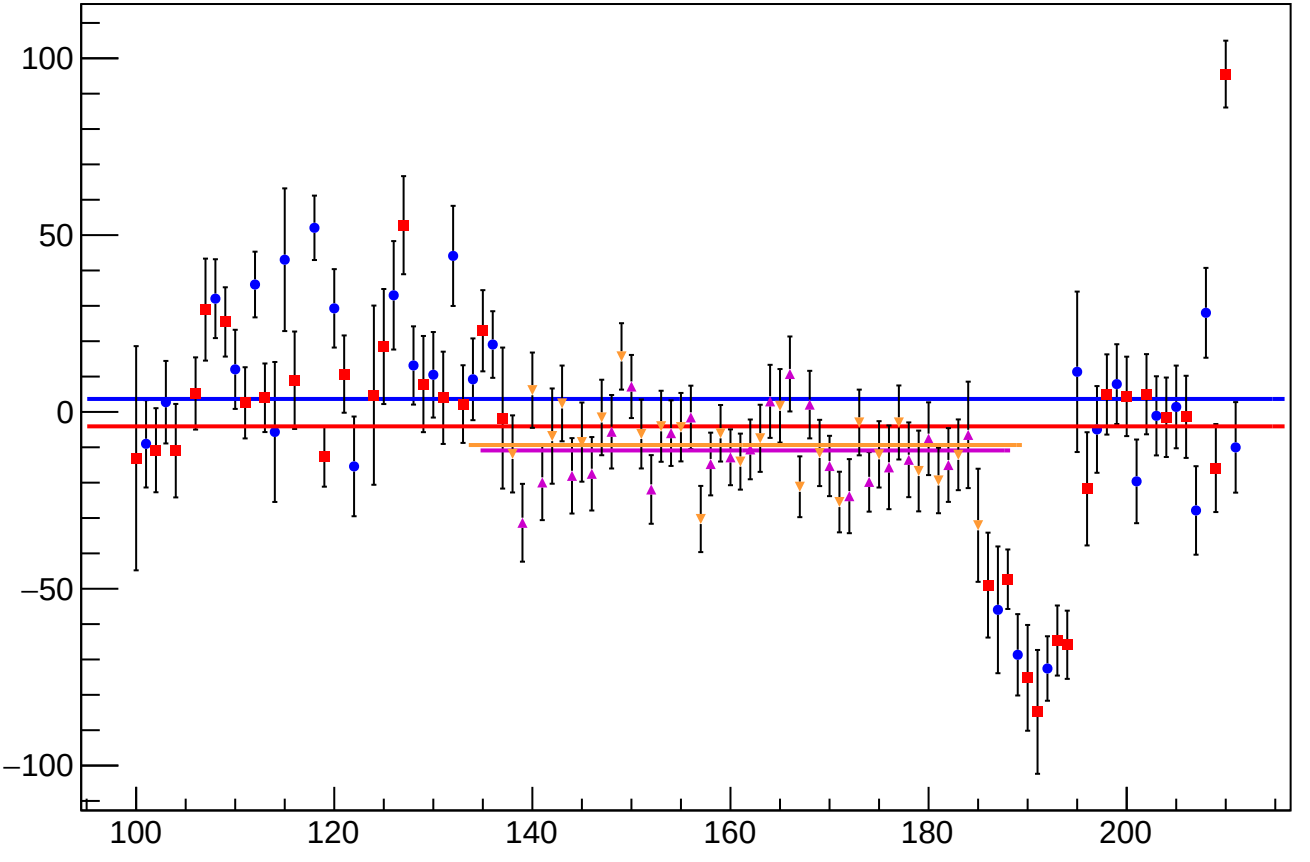
Right: 958.022+/-0.115 χ^2/NDF: 525784.7/60

In: 1003.517+/-0.122 χ^2/NDF:1973368.1/50

Out: 996.832+/-0.117 χ^2/NDF:2075208.3/57

All: 1000.032+/-0.084 χ^2/NDF: 4050138.7/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 3.671+/-2.264 χ^2/NDF: 212.0/27

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -4.079+/-2.066 χ^2/NDF: 319.6/32

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

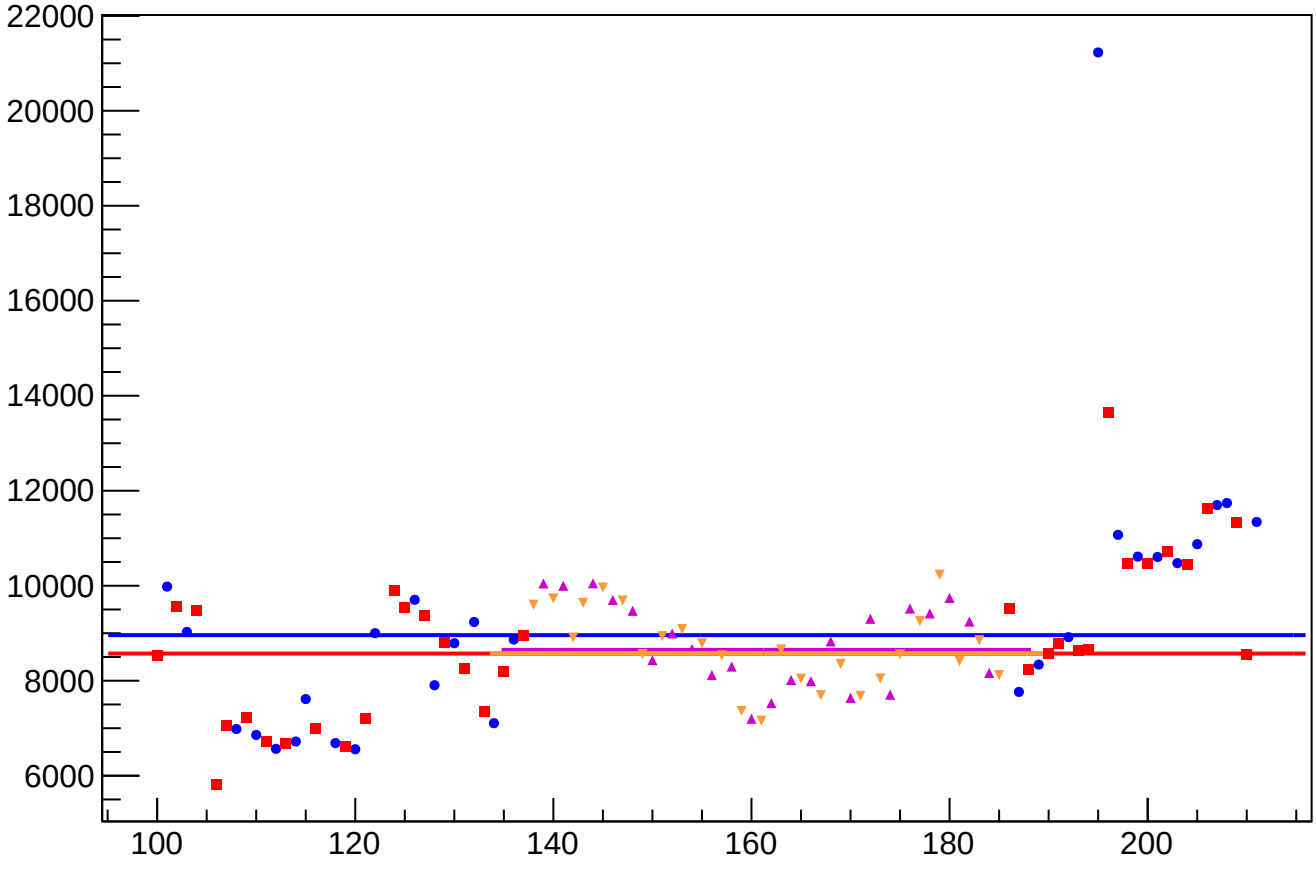
Right: -0.558+/-1.526 χ^2/NDF: 538.0/60

In: -4.358+/-1.517 χ^2/NDF:258.4/50

Out: -6.843+/-1.425 χ^2/NDF:351.5/57

All: -5.678+/-1.039 χ^2/NDF: 611.3/108

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8959.621+/-1.601 χ^2/NDF: 1700618.3/27

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8571.904+/-1.461 χ^2/NDF: 1273154.9/32

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

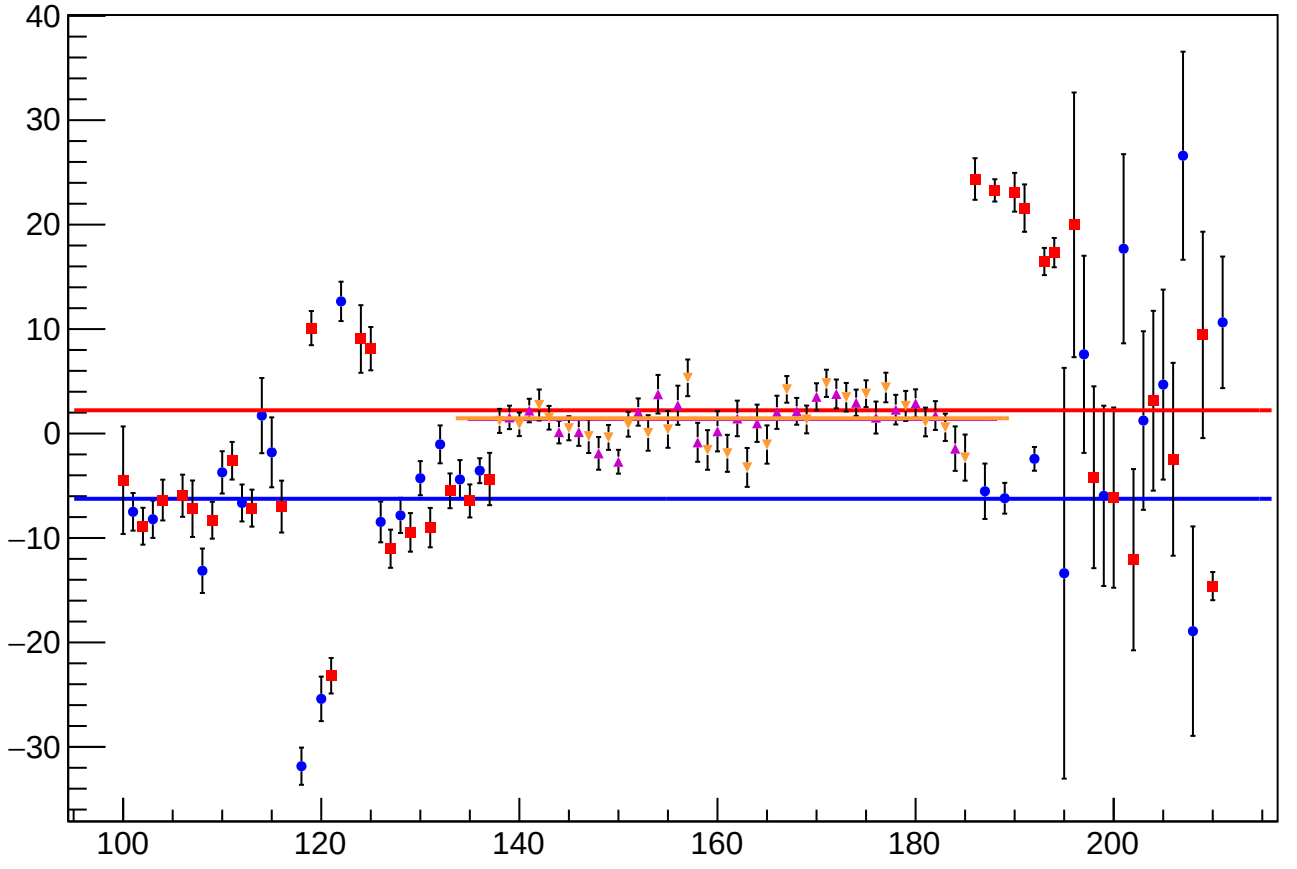
Right: 8748.035+/-1.079 χ^2/NDF: 3005777.4/60

In: 8788.492+/-1.072 χ^2/NDF:2099272.5/50

Out: 8575.305+/-1.008 χ^2/NDF:1616886.4/57

All: 8675.293+/-0.734 χ^2/NDF: 3737142.9/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.247+/-0.403 χ^2/NDF: 468.9/27

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 2.223+/-0.347 χ^2/NDF: 1728.7/32

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

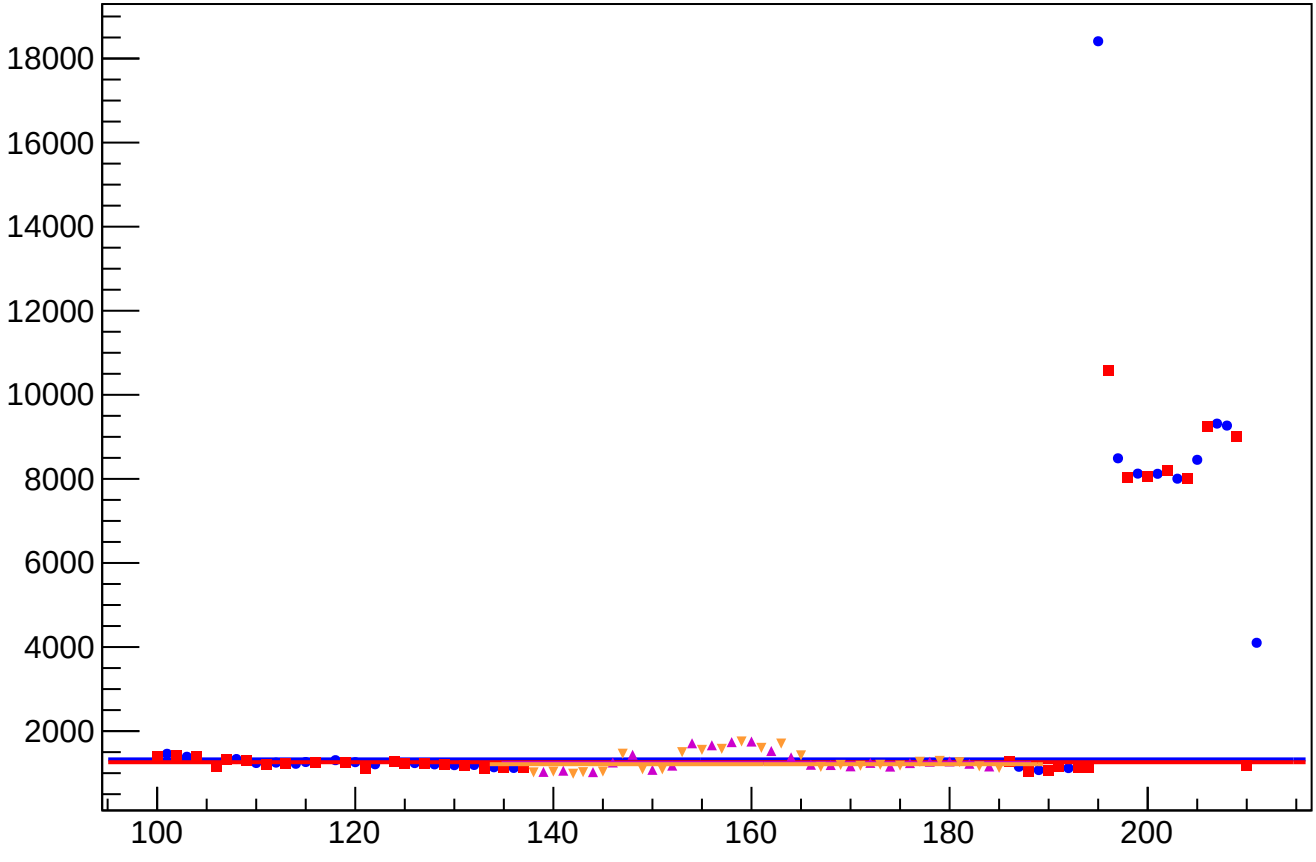
Right: -1.387+/-0.263 χ^2/NDF: 2451.3/60

In: -1.268+/-0.238 χ^2/NDF:738.8/50

Out: 1.762+/-0.218 χ^2/NDF:1782.7/57

All: 0.376+/-0.161 χ^2/NDF: 2609.7/108

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1327.335+/-0.285 χ^2/NDF: 10689927.2/27

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1260.165+/-0.245 χ^2/NDF: 9002378.8/32

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

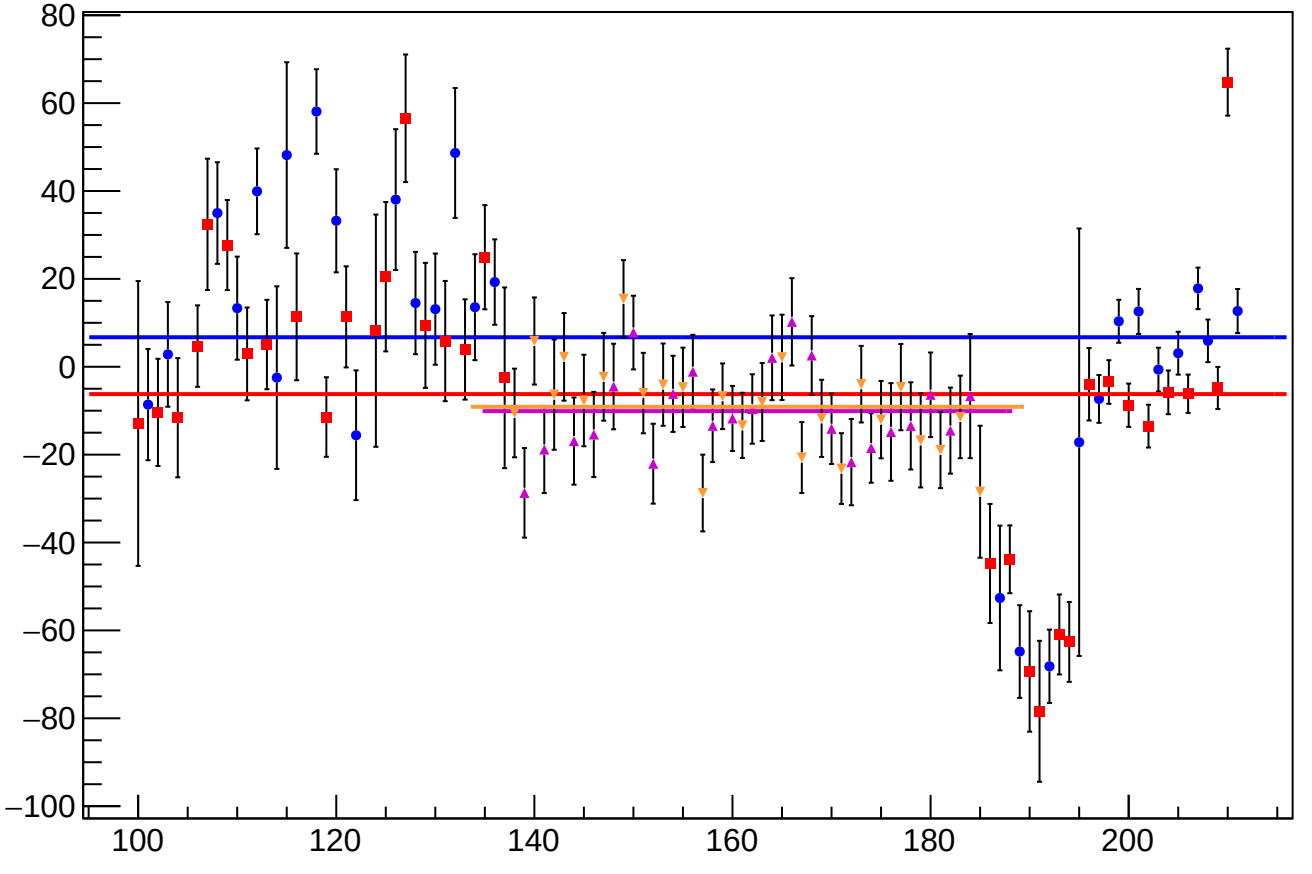
Right: 1288.795+/-0.186 χ^2/NDF: 19724220.3/60

In: 1269.856+/-0.168 χ^2/NDF:11637996.2/50

Out: 1231.791+/-0.154 χ^2/NDF:10037228.2/57

All: 1249.205+/-0.114 χ^2/NDF: 21703070.8/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 6.717+/-1.481 χ^2/NDF: 231.8/27

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -6.221+/-1.463 χ^2/NDF: 294.3/32

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

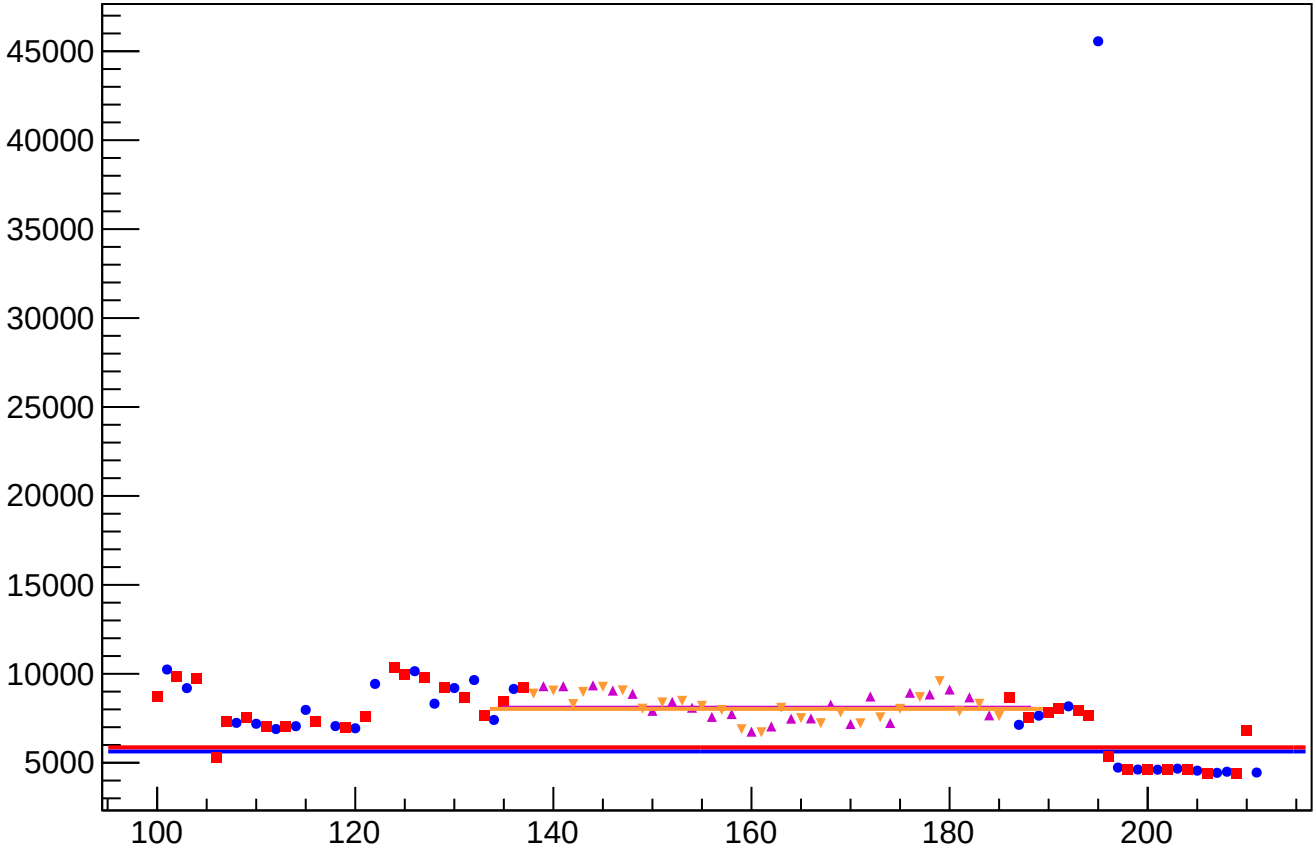
Right: 0.167+/-1.041 χ^2/NDF: 564.7/60

In: 0.407+/-1.171 χ^2/NDF:304.5/50

Out: -7.340+/-1.146 χ^2/NDF:324.6/57

All: -3.550+/-0.819 χ^2/NDF: 651.4/108

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5635.253+/-1.048 χ^2/NDF: 4028058.7/27

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5867.806+/-1.035 χ^2/NDF: 2751494.9/32

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

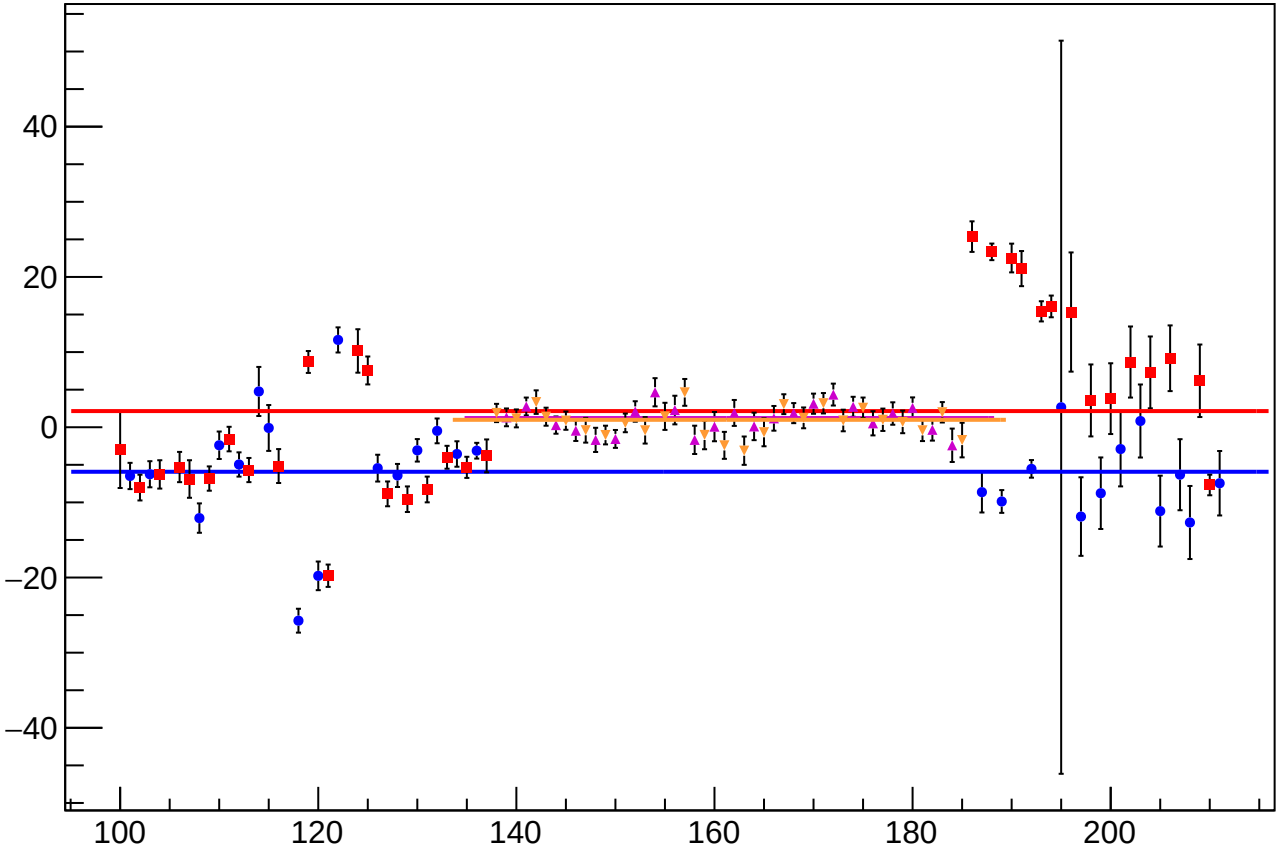
Right: 5752.987+/-0.736 χ^2/NDF: 6804503.5/60

In: 6558.578+/-0.828 χ^2/NDF:6465438.9/50

Out: 6703.173+/-0.810 χ^2/NDF:4770180.3/57

All: 6632.447+/-0.579 χ^2/NDF: 11251200.4/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.925+/-0.370 χ^2/NDF: 386.0/27

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.150+/-0.328 χ^2/NDF: 1518.8/32

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

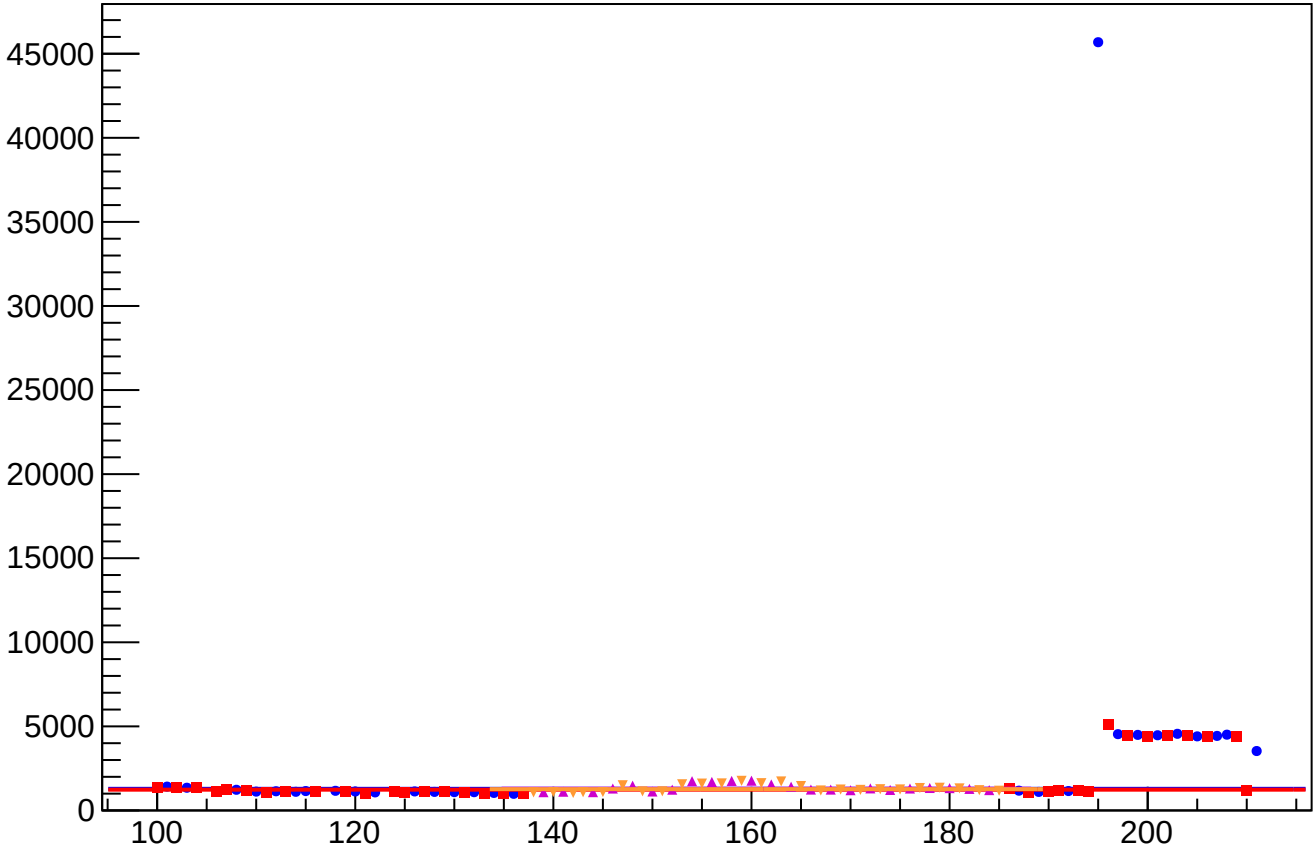
Right: -1.396+/-0.245 χ^2/NDF: 2171.6/60

In: -1.687+/-0.236 χ^2/NDF:640.0/50

Out: 1.503+/-0.218 χ^2/NDF:1556.8/57

All: 0.034+/-0.160 χ^2/NDF: 2295.3/108

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1286.018+/-0.262 χ^2/NDF: 8739776.8/27

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1235.790+/-0.232 χ^2/NDF: 6402961.8/32

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

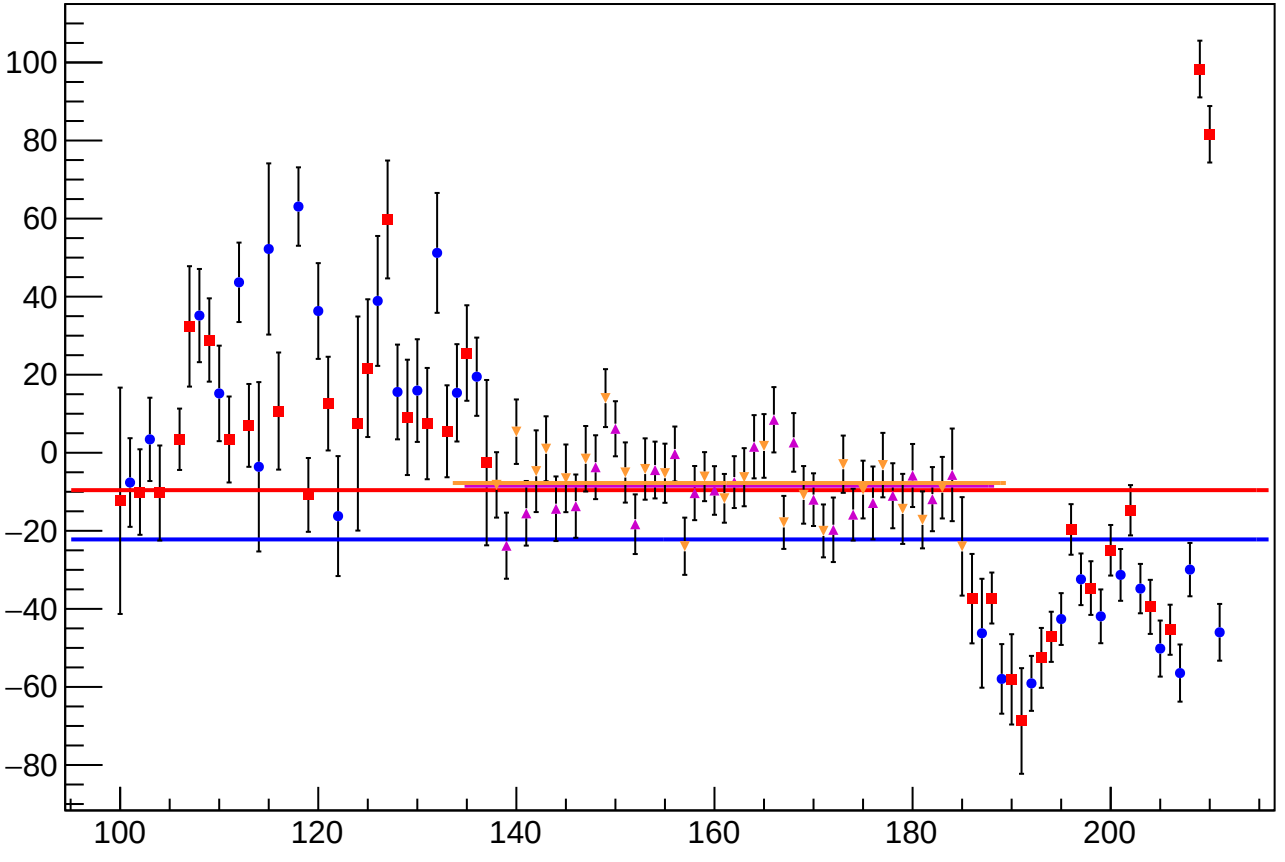
Right: 1257.850+/-0.173 χ^2/NDF: 15163383.3/60

In: 1290.798+/-0.167 χ^2/NDF:9498532.3/50

Out: 1253.390+/-0.154 χ^2/NDF:7291761.5/57

All: 1270.615+/-0.113 χ^2/NDF: 16817376.5/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -22.206+/-1.735 χ^2/NDF: 391.1/27

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -9.580+/-1.620 χ^2/NDF: 647.0/32

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

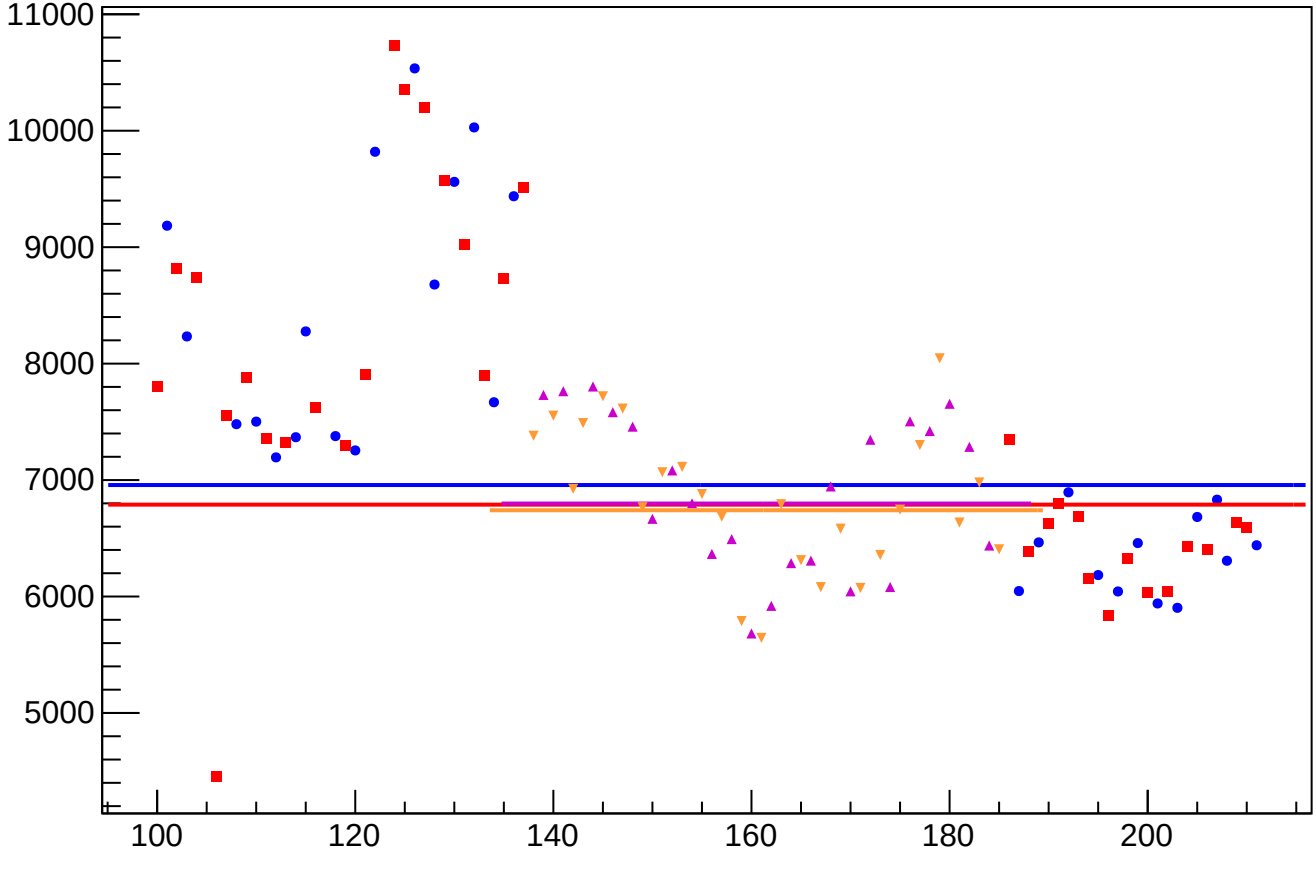
Right: -15.462+/-1.184 χ^2/NDF: 1066.3/60

In: -14.785+/-1.178 χ^2/NDF:449.8/50

Out: -8.623+/-1.119 χ^2/NDF:678.1/57

All: -11.545+/-0.811 χ^2/NDF: 1142.3/108

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 6957.426+/-1.227 χ^2/NDF: 841146.4/27

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6789.042+/-1.146 χ^2/NDF: 963879.5/32

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

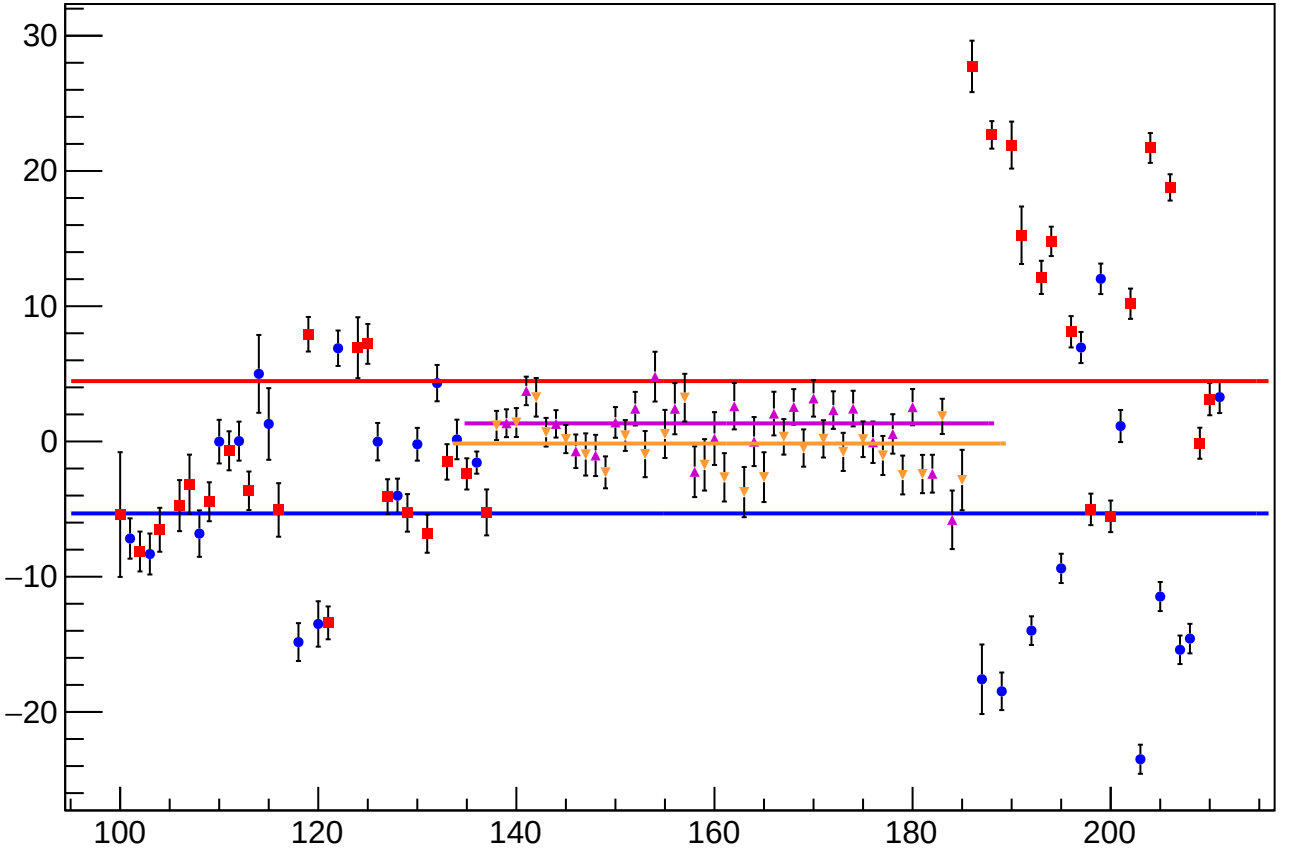
Right: 6867.486+/-0.837 χ^2/NDF: 1815087.8/60

In: 6871.782+/-0.833 χ^2/NDF:1203465.9/50

Out: 6763.817+/-0.791 χ^2/NDF:1281513.4/57

All: 6815.015+/-0.574 χ^2/NDF: 2493811.8/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -5.321+/-0.243 χ^2/NDF: 1433.7/27

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 4.464+/-0.236 χ^2/NDF: 2121.3/32

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

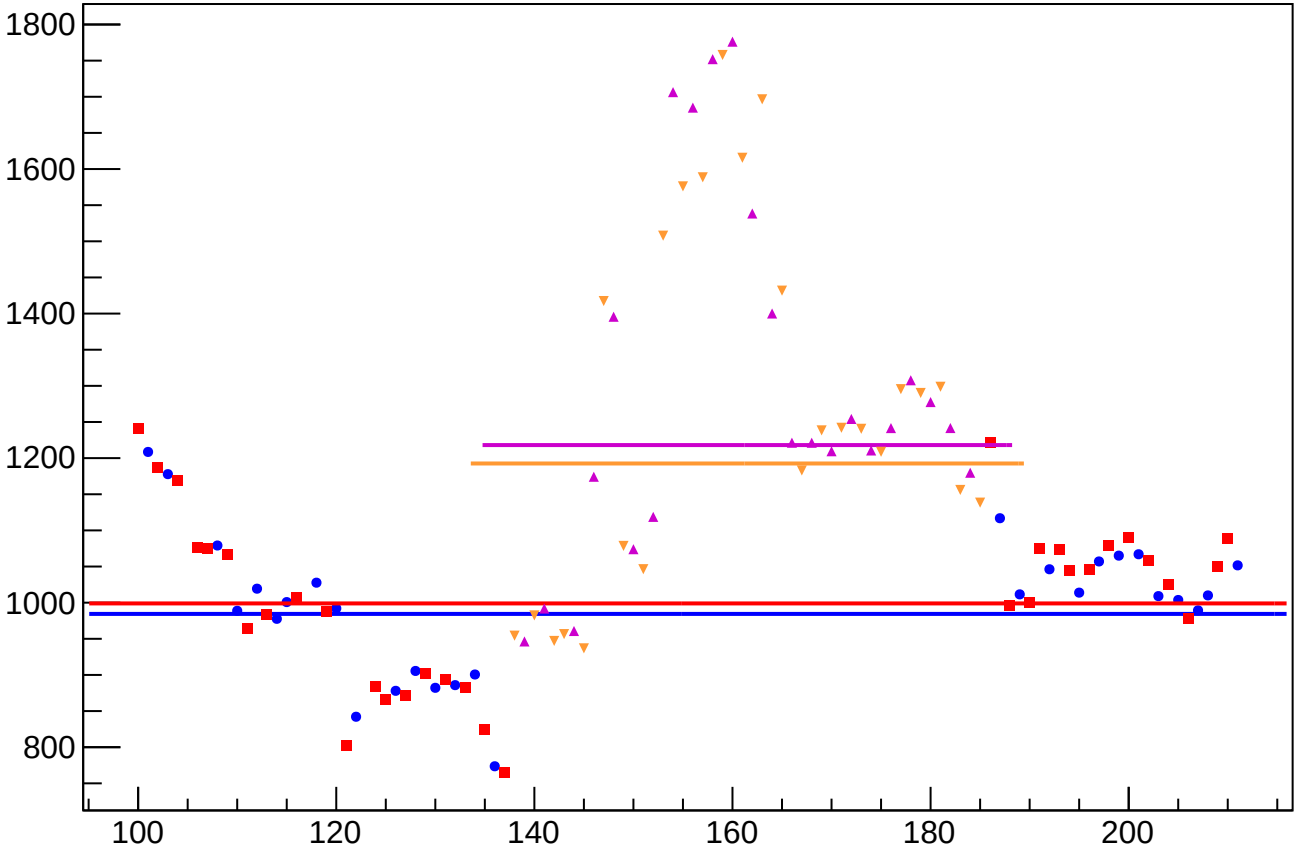
Right: -0.287+/-0.169 χ^2/NDF: 4391.8/60

In: -2.581+/-0.186 χ^2/NDF:1787.6/50

Out: 2.523+/-0.179 χ^2/NDF:2318.6/57

All: 0.064+/-0.129 χ^2/NDF: 4496.1/108

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 984.442+/-0.172 χ^2/NDF: 345682.9/27

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 998.954+/-0.167 χ^2/NDF: 375345.6/32

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

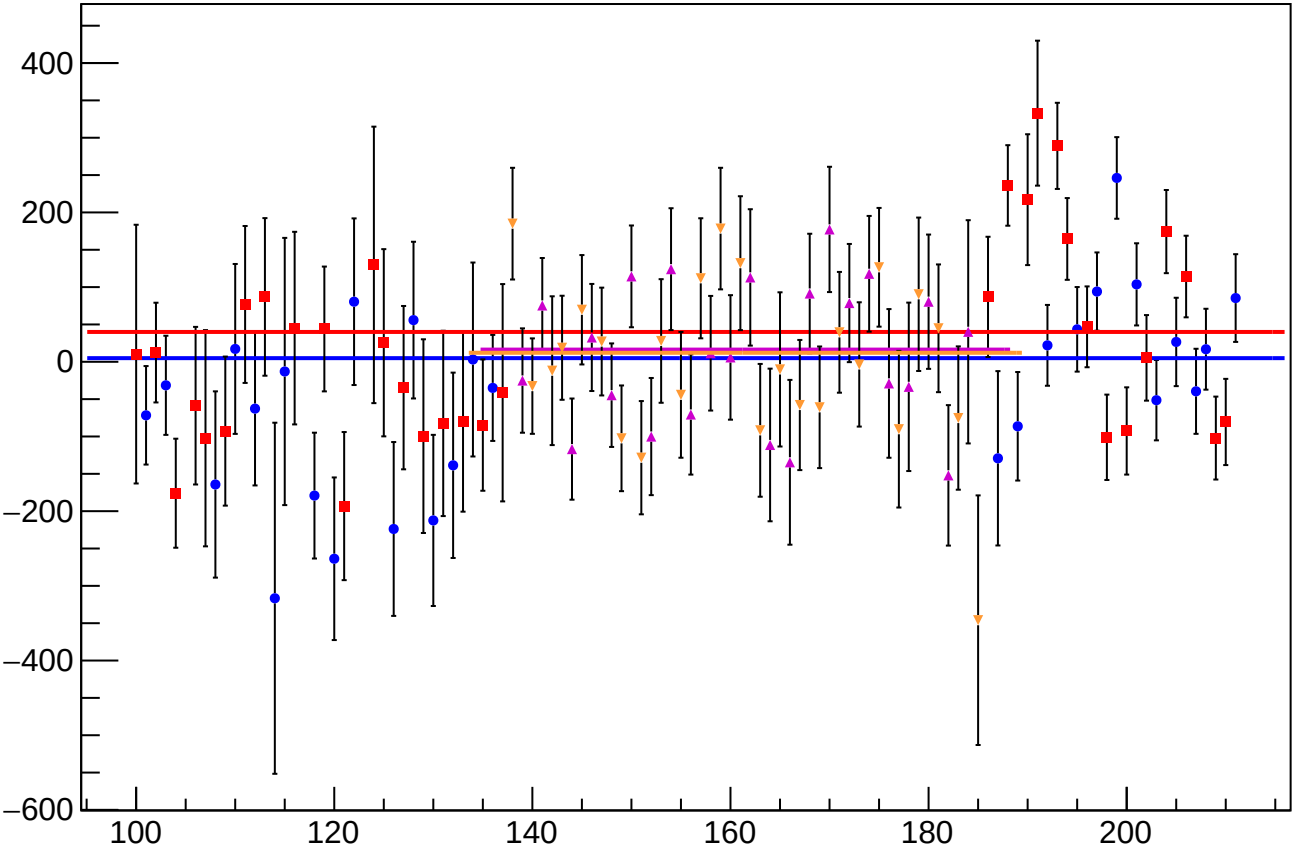
Right: 991.908+/-0.120 χ^2/NDF: 724710.0/60

In: 1080.572+/-0.132 χ^2/NDF:2236587.6/50

Out: 1080.366+/-0.127 χ^2/NDF:2263074.7/57

All: 1080.465+/-0.091 χ^2/NDF: 4499663.7/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 4.890+/-13.964 χ^2/NDF: 59.3/27

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 39.965+/-13.349 χ^2/NDF: 105.4/32

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

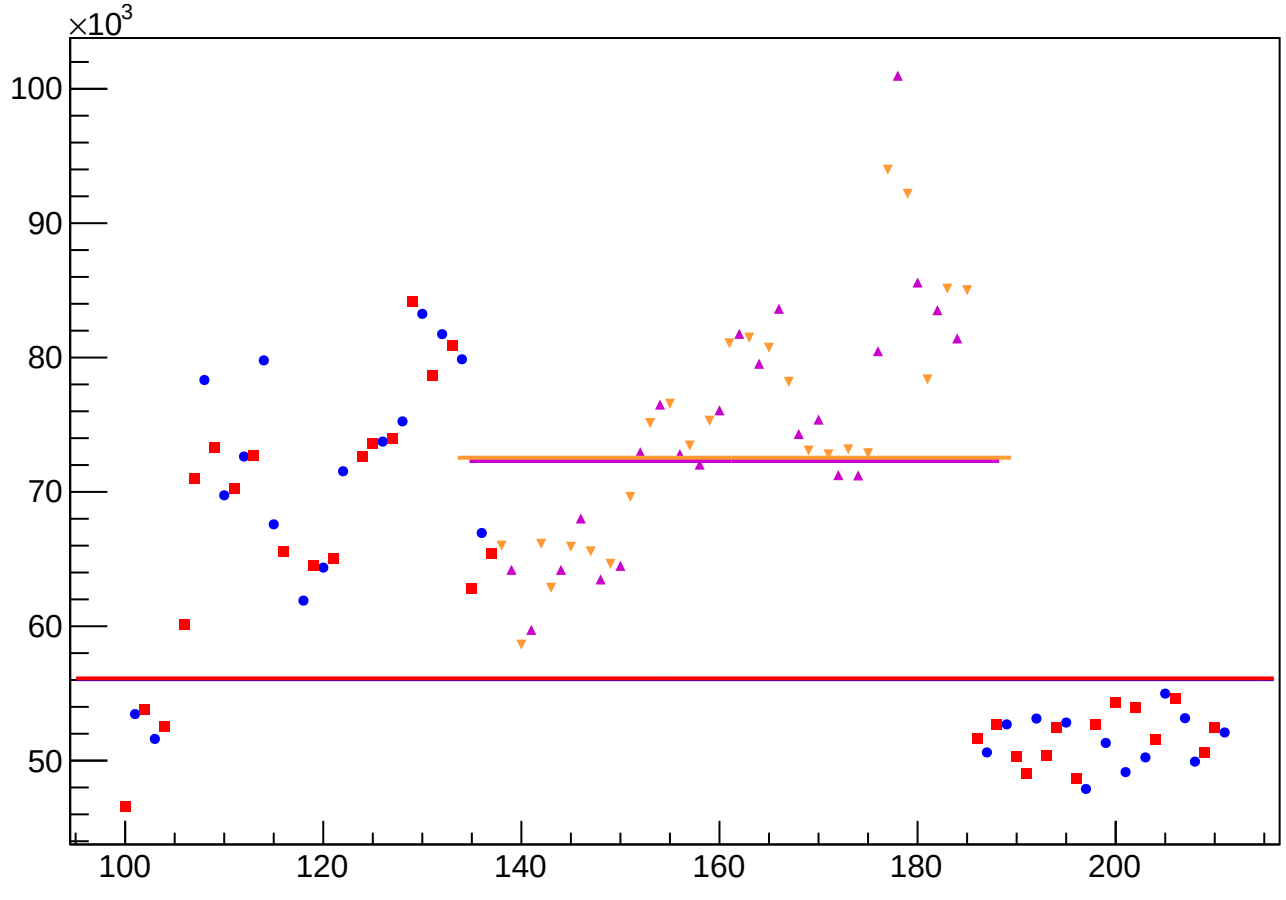
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 23.217+/-9.649 χ^2/NDF: 168.0/60

In: 9.497+/-10.795 χ^2/NDF:88.3/50

Out: 29.022+/-10.404 χ^2/NDF:139.9/57

All: 19.619+/-7.491 χ^2/NDF: 229.9/108



Right In: 56063.163+/-9.874 χ^2/NDF: 851287.9/27

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56116.286+/-9.439 χ^2/NDF: 756217.0/32

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

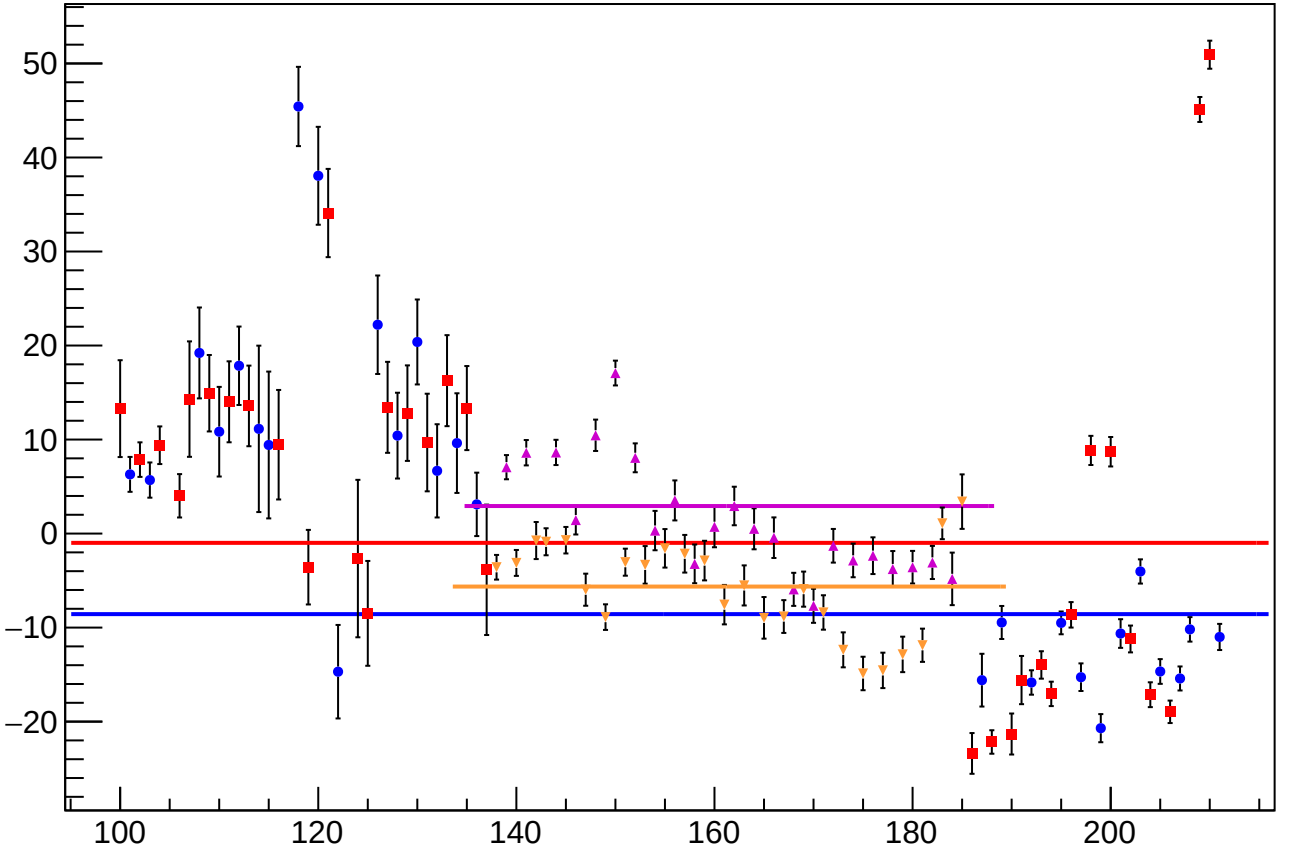
Right: 56090.921+/-6.823 χ^2/NDF: 1607520.0/60

In: 62596.715+/-7.633 χ^2/NDF:2428215.0/50

Out: 62563.794+/-7.357 χ^2/NDF:2445165.3/57

All: 62579.648+/-5.297 χ^2/NDF: 4873389.9/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.568+/-0.374 χ^2/NDF: 788.0/27

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -0.988+/-0.358 χ^2/NDF: 3910.4/32

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

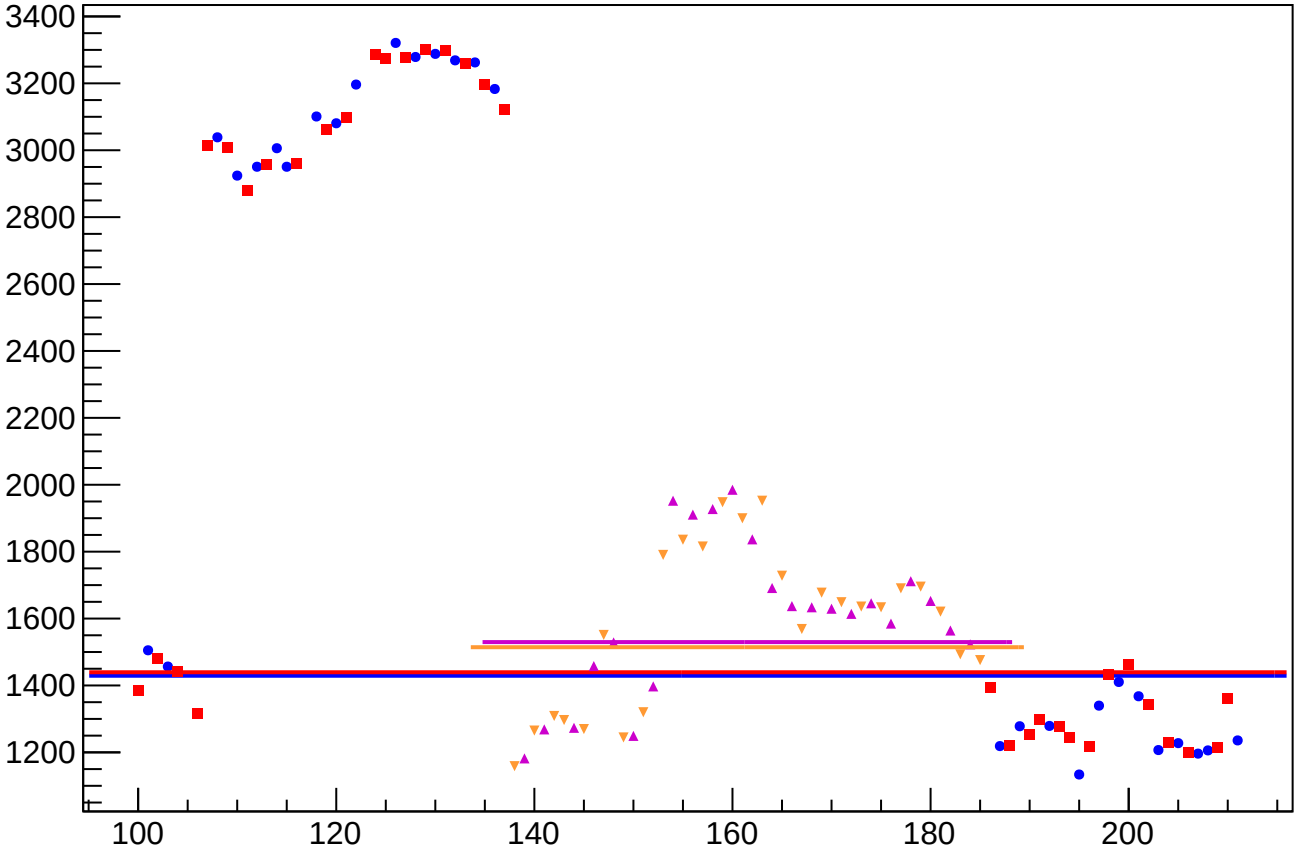
Right: -4.609+/-0.259 χ^2/NDF: 4912.9/60

In: -2.636+/-0.260 χ^2/NDF:1612.8/50

Out: -3.369+/-0.250 χ^2/NDF:4175.1/57

All: -3.017+/-0.180 χ^2/NDF: 5792.0/108

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1429.086+/-0.264 χ^2/NDF: 4032665.9/27

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1439.454+/-0.253 χ^2/NDF: 3877656.2/32

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

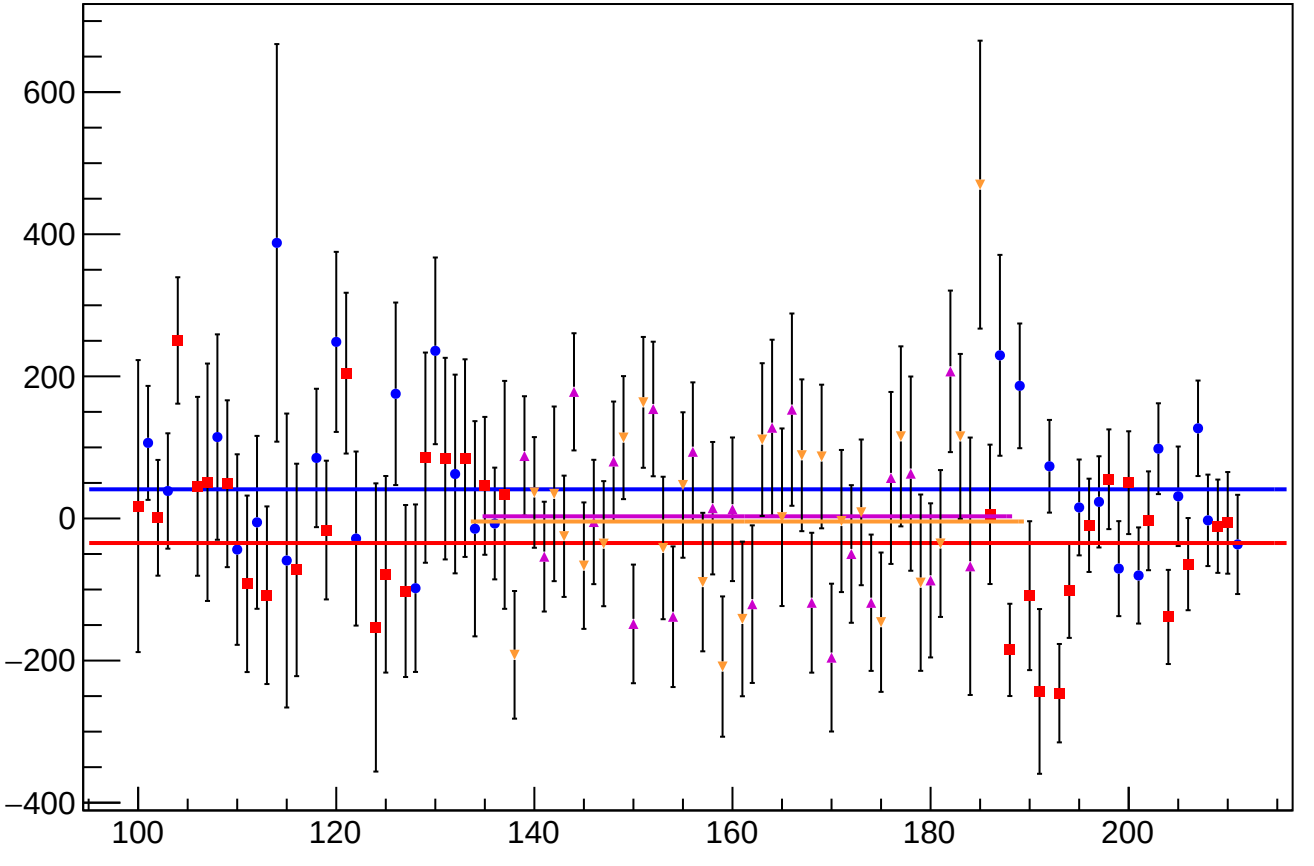
Right: 1434.501+/-0.183 χ^2/NDF: 7911124.5/60

In: 1480.969+/-0.184 χ^2/NDF:4935716.0/50

Out: 1477.817+/-0.177 χ^2/NDF:4855879.1/57

All: 1479.329+/-0.127 χ^2/NDF: 9791747.7/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 41.020+/-16.593 χ^2/NDF: 26.8/27

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -34.557+/-15.942 χ^2/NDF: 46.5/32

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

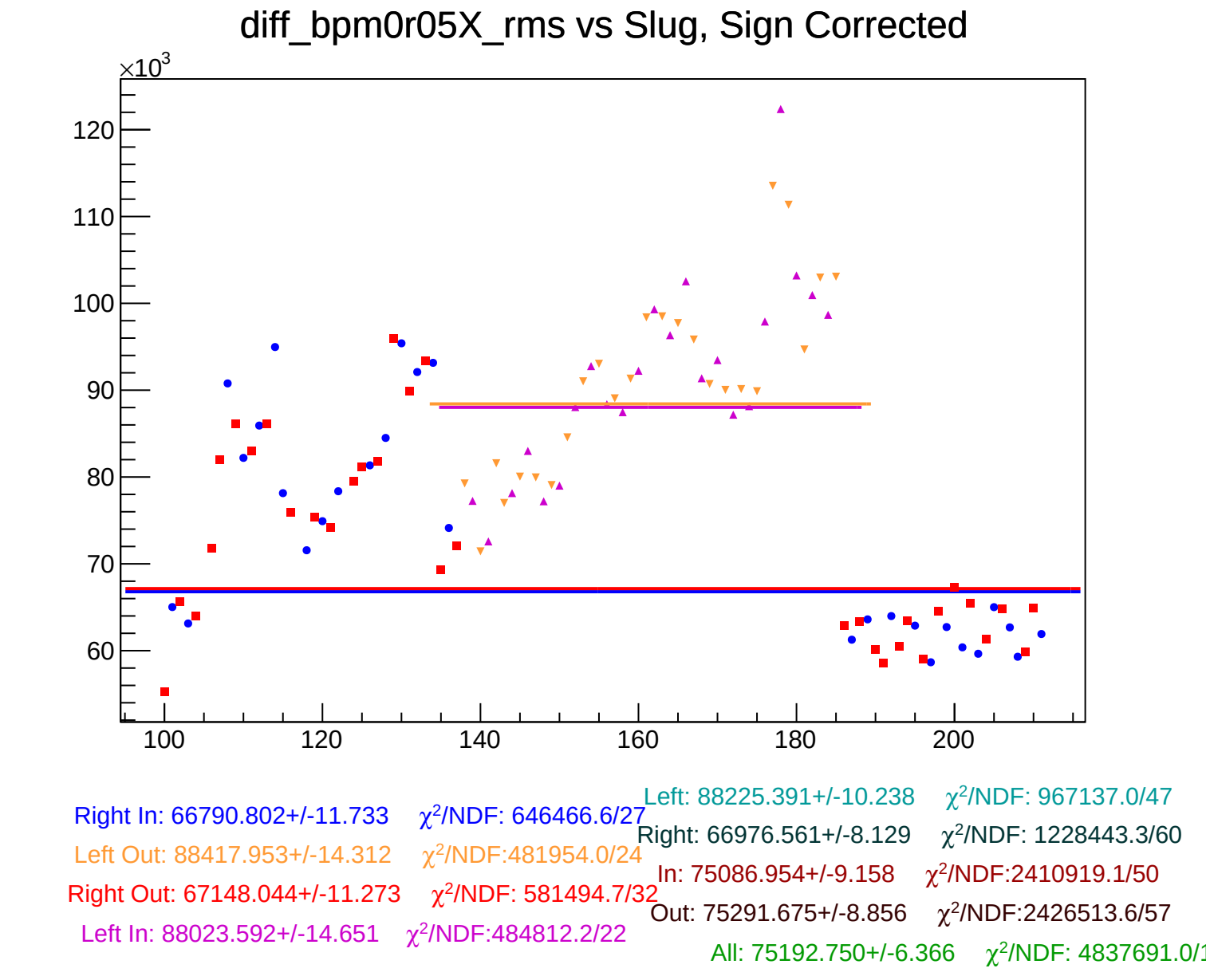
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 1.721+/-11.496 χ^2/NDF: 84.1/60

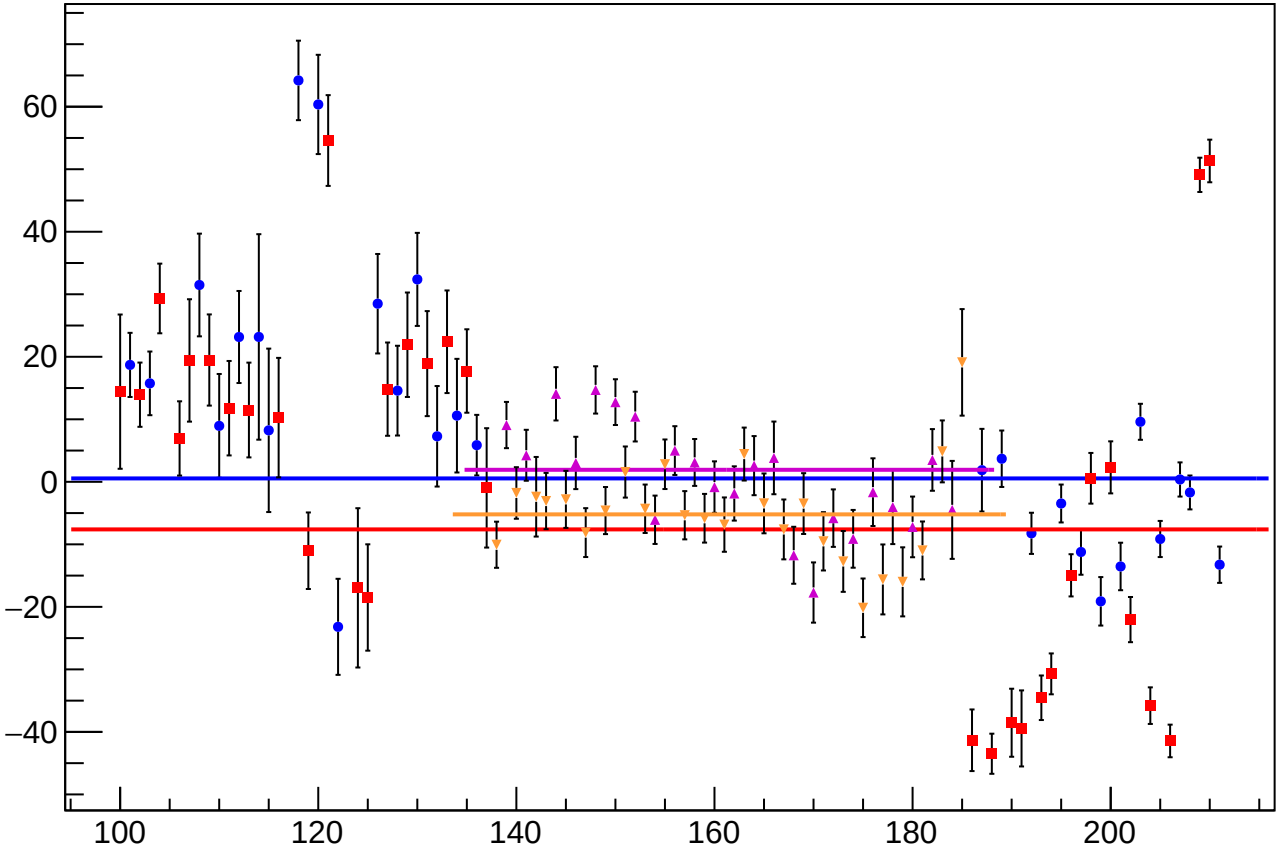
In: 26.171+/-12.952 χ^2/NDF:59.6/50

Out: -22.963+/-12.524 χ^2/NDF:78.3/57

All: 0.780+/-9.003 χ^2/NDF: 145.3/108


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 66790.802+/-11.733 χ²/NDF: 646466.6/27
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67148.044+/-11.273 χ²/NDF: 581494.7/32
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66976.561+/-8.129 χ²/NDF: 1228443.3/60
In: 75086.954+/-9.158 χ²/NDF:2410919.1/50
Out: 75291.675+/-8.856 χ²/NDF:2426513.6/57
All: 75192.750+/-6.366 χ²/NDF: 4837691.0/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 0.544+/-0.837 χ^2/NDF: 356.2/27

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -7.610+/-0.823 χ^2/NDF: 1601.1/32

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

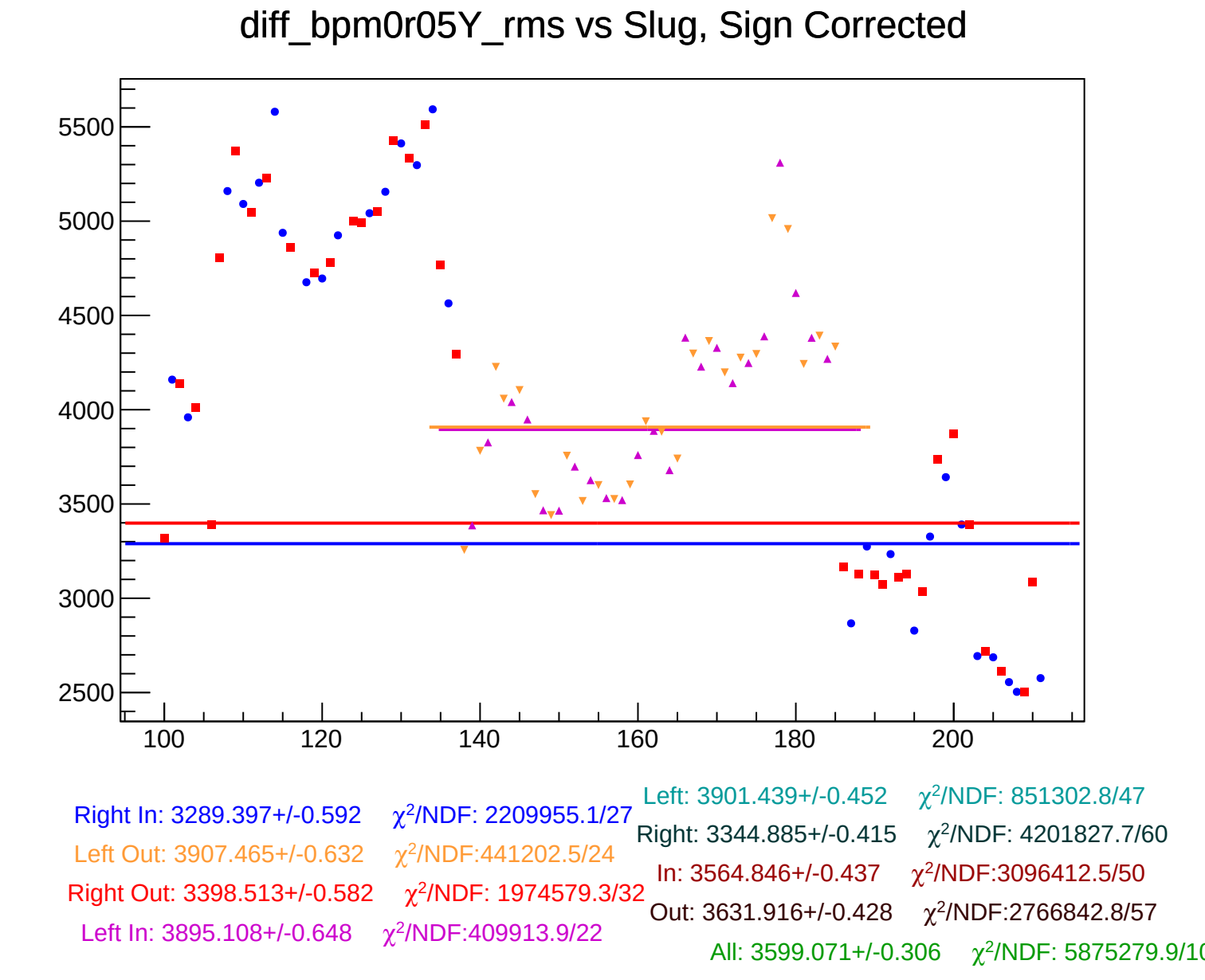
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -3.602+/-0.587 χ^2/NDF: 2005.6/60

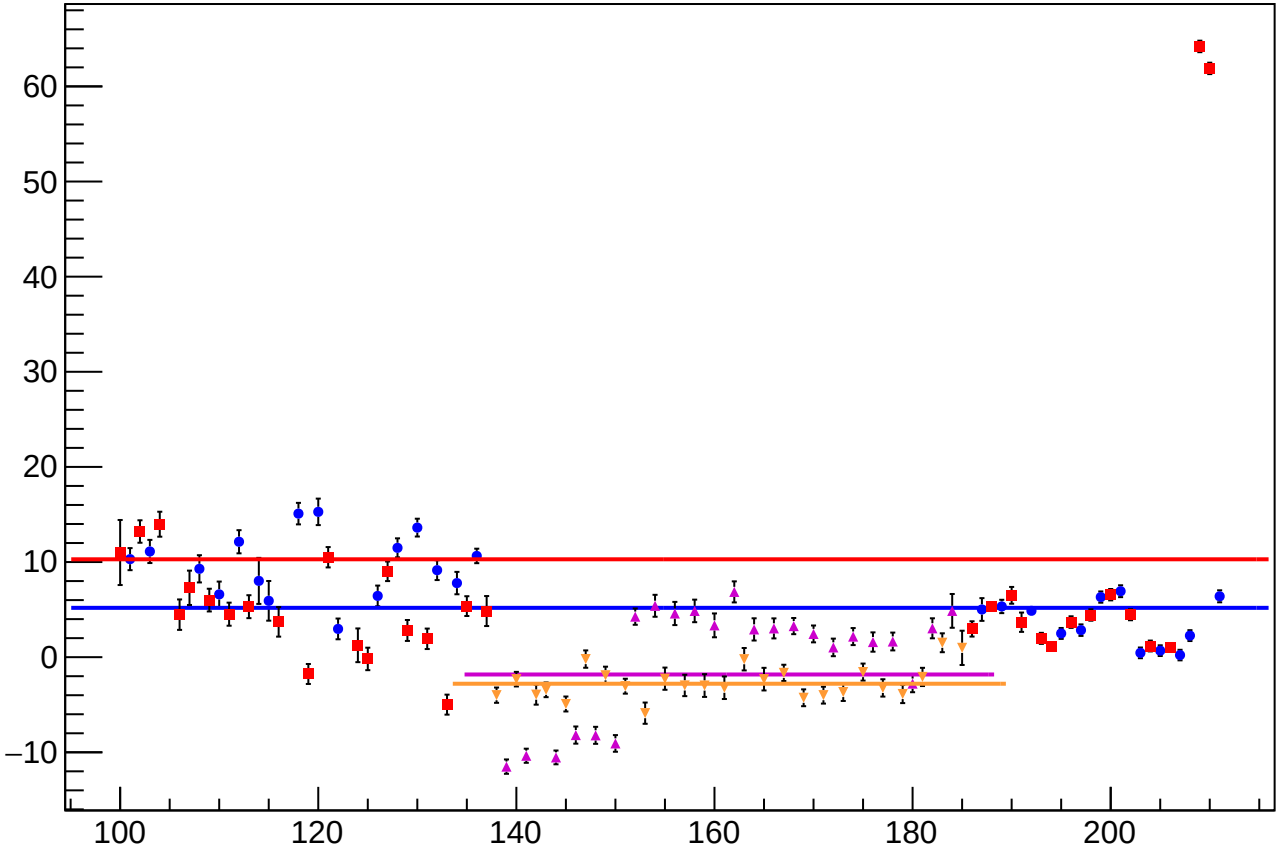
In: 1.171+/-0.618 χ^2/NDF:440.7/50

Out: -6.507+/-0.605 χ^2/NDF:1656.0/57

All: -2.747+/-0.432 χ^2/NDF: 2175.5/108


diff_bpm0r05Y_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
100
120
140
160
180
200
Right In: 3289.397+/-0.592 χ²/NDF: 2209955.1/27
Left Out: 3907.465+/-0.632 χ²/NDF:441202.5/24
Right Out: 3398.513+/-0.582 χ²/NDF: 1974579.3/32
Left In: 3895.108+/-0.648 χ²/NDF:409913.9/22
Left: 3901.439+/-0.452 χ²/NDF: 851302.8/47
Right: 3344.885+/-0.415 χ²/NDF: 4201827.7/60
In: 3564.846+/-0.437 χ²/NDF:3096412.5/50
Out: 3631.916+/-0.428 χ²/NDF:2766842.8/57
All: 3599.071+/-0.306 χ²/NDF: 5875279.9/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.186+/-0.149 χ^2/NDF: 705.7/27

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 10.289+/-0.142 χ^2/NDF: 17687.6/32

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

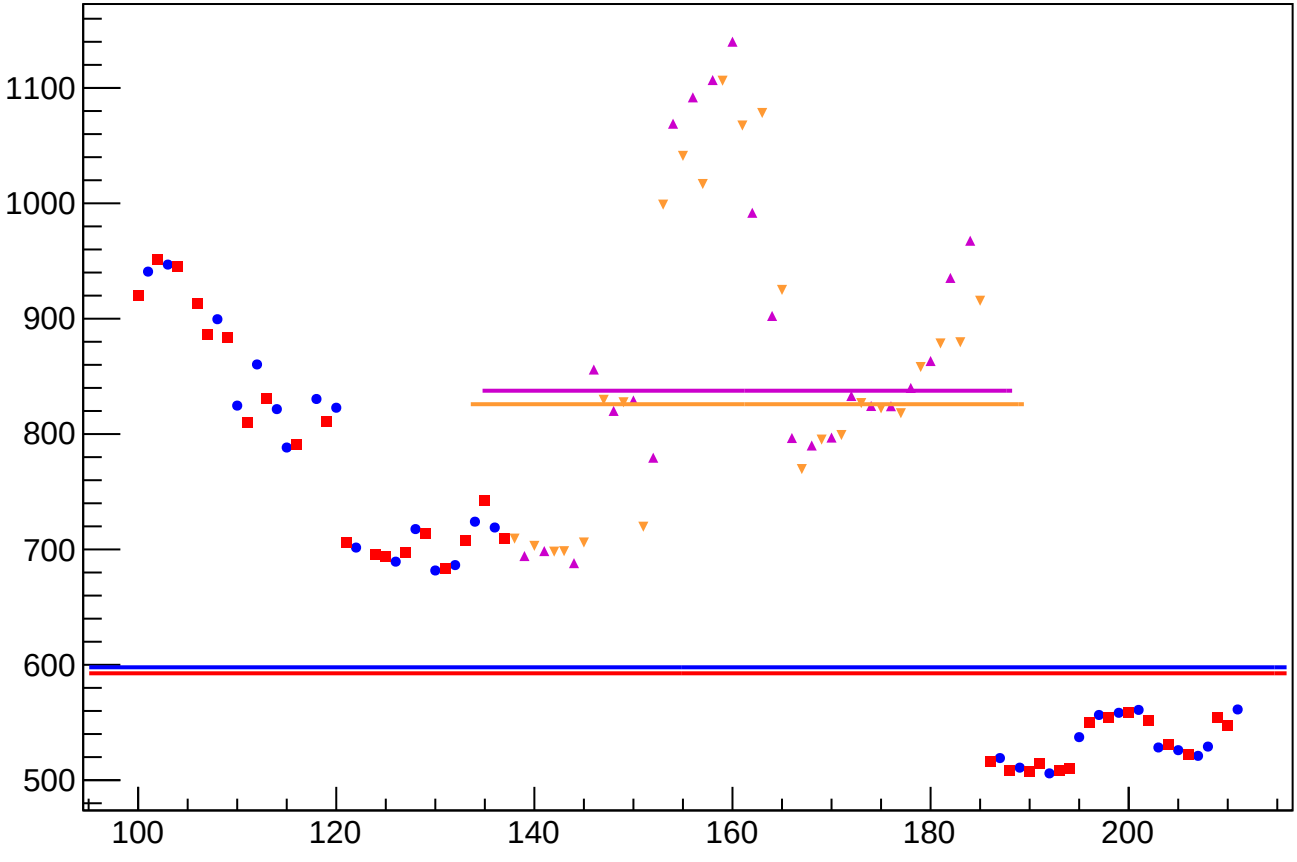
Right: 7.870+/-0.103 χ^2/NDF: 19007.9/60

In: 2.649+/-0.119 χ^2/NDF:2529.1/50

Out: 5.615+/-0.114 χ^2/NDF:20800.5/57

All: 4.204+/-0.082 χ^2/NDF: 23653.9/108

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 597.847+/-0.106 χ^2/NDF: 1201704.8/27

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 592.632+/-0.100 χ^2/NDF: 1346418.5/32

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

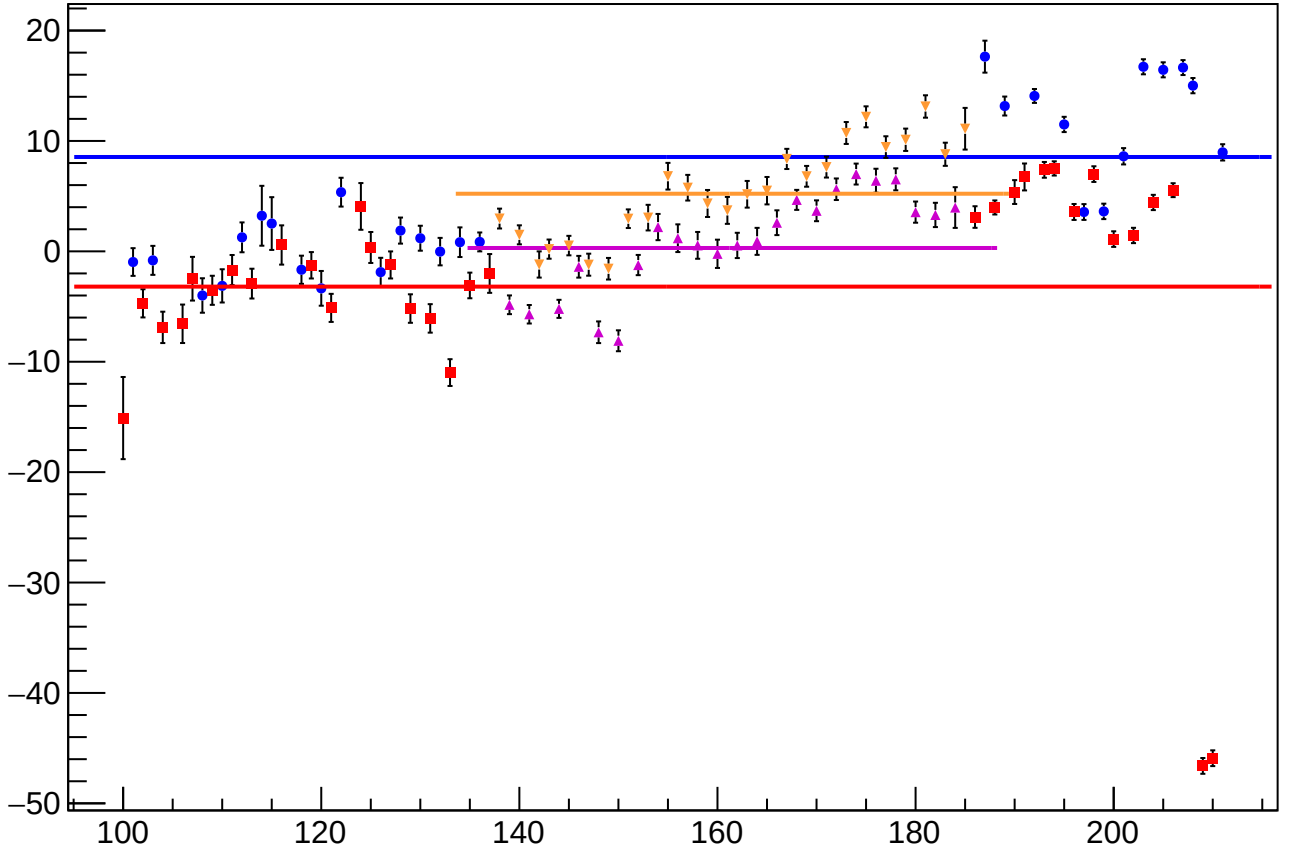
Right: 595.104+/-0.073 χ^2/NDF: 2549406.8/60

In: 684.641+/-0.084 χ^2/NDF:3782928.6/50

Out: 675.965+/-0.080 χ^2/NDF:4047341.3/57

All: 680.093+/-0.058 χ^2/NDF: 7835820.6/108

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 8.547+/-0.177 χ^2/NDF: 1469.8/27

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -3.195+/-0.168 χ^2/NDF: 8848.1/32

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

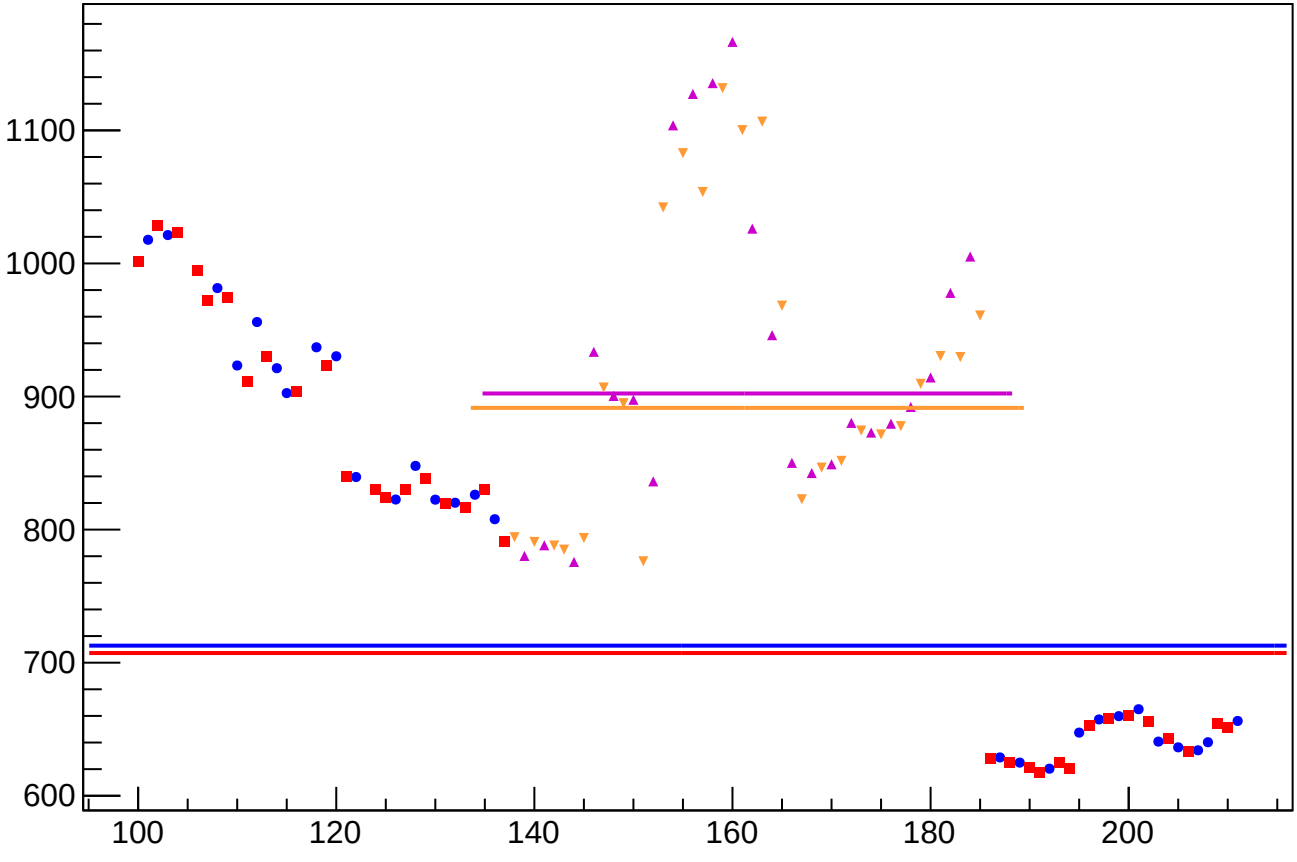
Right: 2.375+/-0.122 χ^2/NDF: 12627.8/60

In: 5.171+/-0.136 χ^2/NDF:2852.0/50

Out: 0.205+/-0.130 χ^2/NDF:10308.3/57

All: 2.572+/-0.094 χ^2/NDF: 13857.1/108

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 712.807+/-0.125 χ^2/NDF: 876741.6/27

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 707.256+/-0.119 χ^2/NDF: 983379.1/32

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

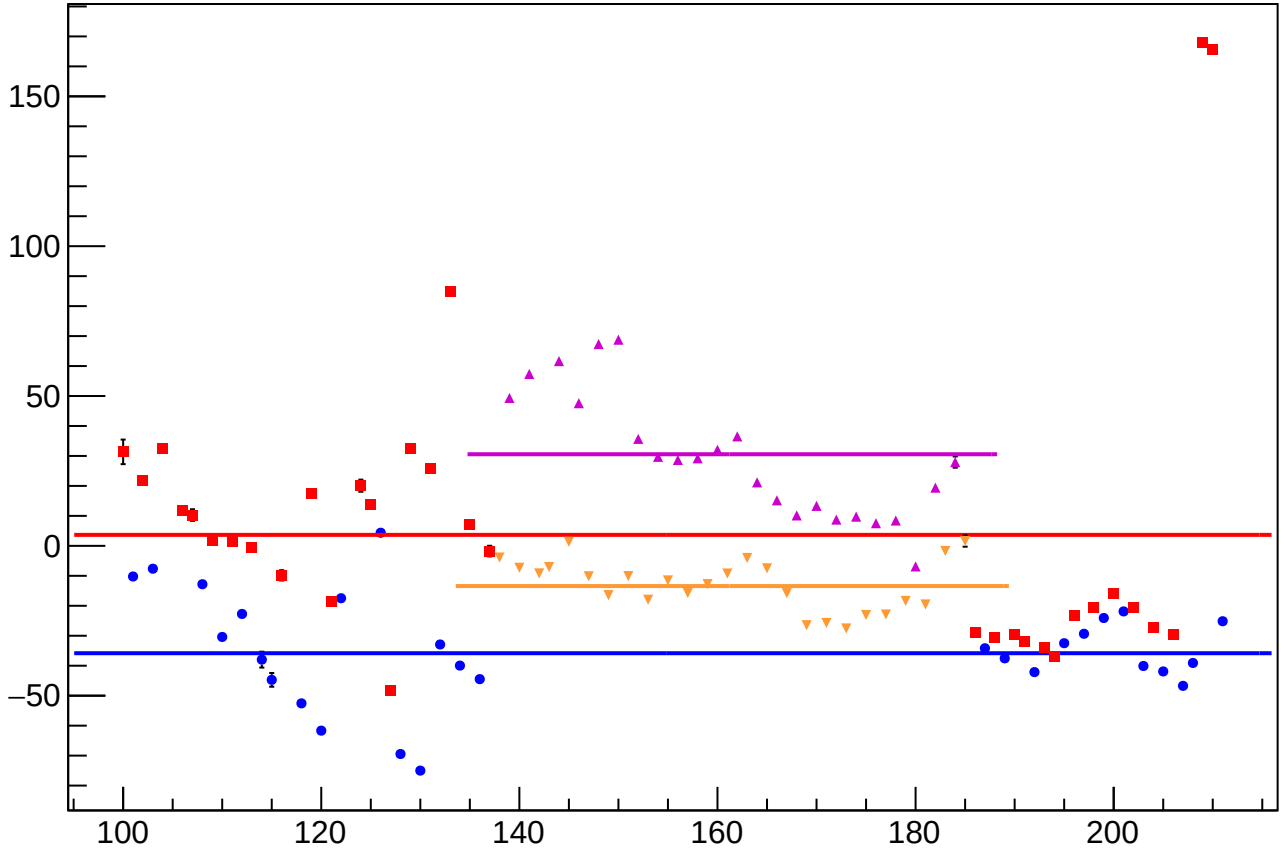
Right: 709.889+/-0.086 χ^2/NDF: 1861153.3/60

In: 790.420+/-0.096 χ^2/NDF:2299148.6/50

Out: 781.694+/-0.092 χ^2/NDF:2469813.7/57

All: 785.854+/-0.066 χ^2/NDF: 4773263.9/108

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -35.828+/-0.174 χ^2/NDF: 6679.1/27

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 3.665+/-0.166 χ^2/NDF: 134083.5/32

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

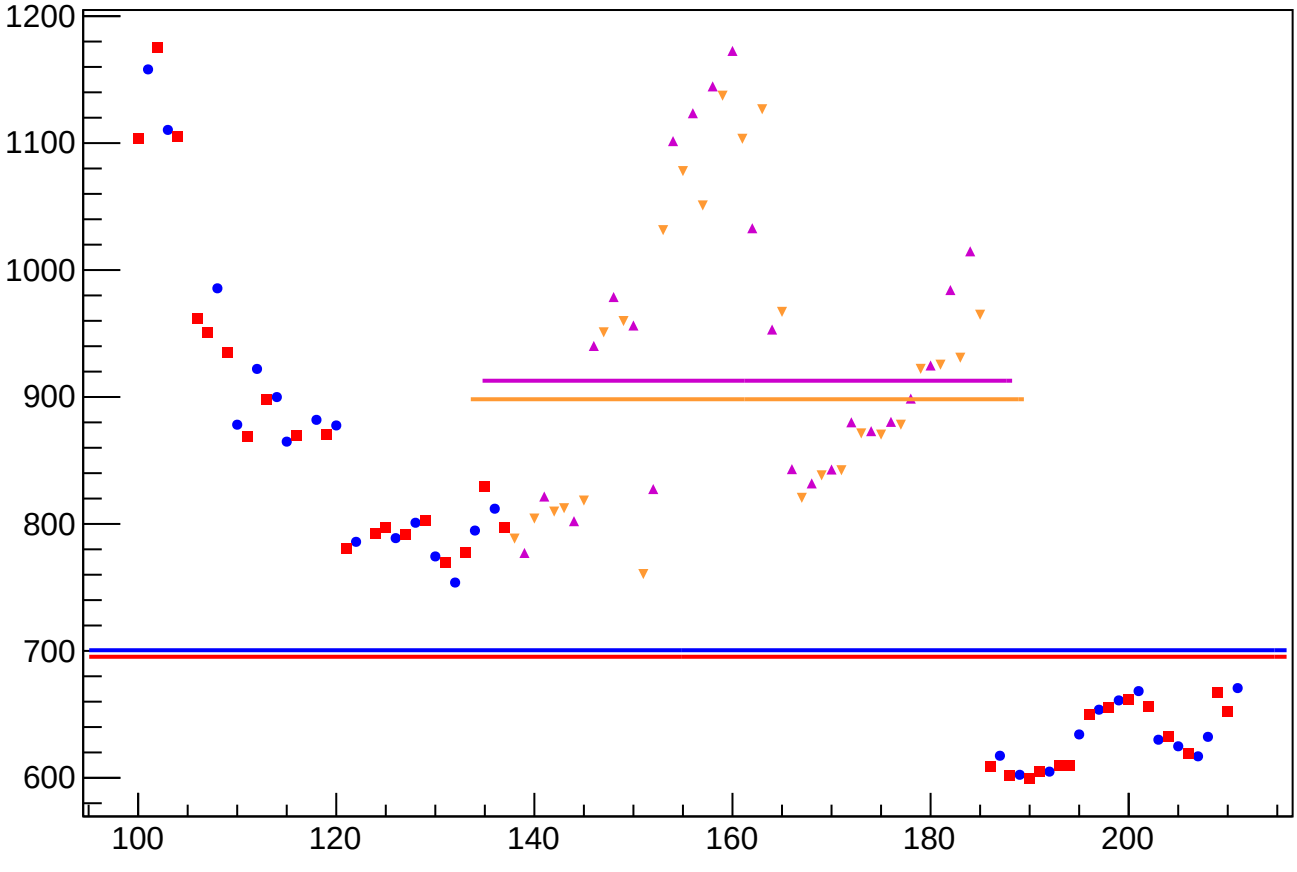
Right: -15.073+/-0.120 χ^2/NDF: 167770.7/60

In: -9.537+/-0.135 χ^2/NDF:74586.1/50

Out: -3.040+/-0.129 χ^2/NDF:139927.9/57

All: -6.132+/-0.093 χ^2/NDF: 215720.6/108

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 700.523+/-0.123 χ^2/NDF: 939332.4/27

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 695.365+/-0.117 χ^2/NDF: 1036913.7/32

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

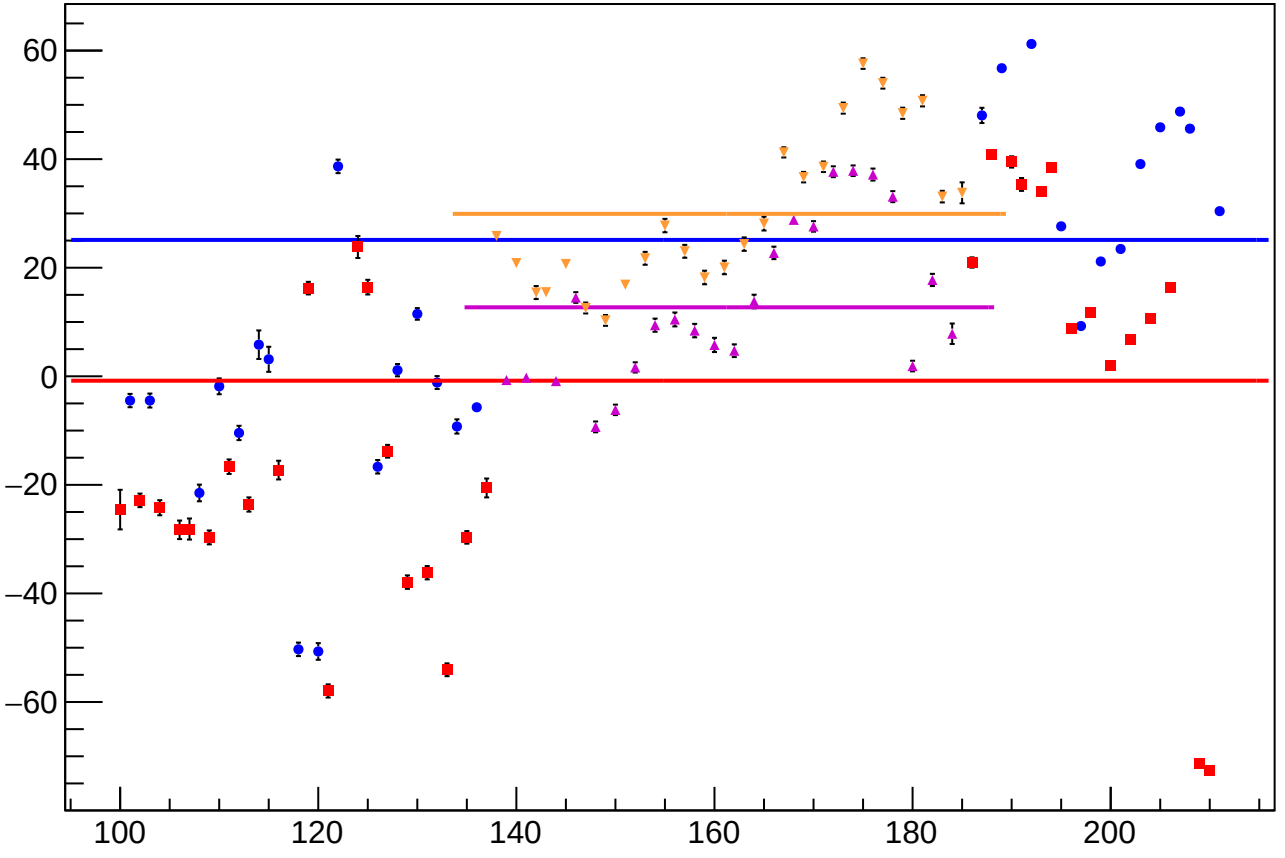
Right: 697.812+/-0.085 χ^2/NDF: 1977167.5/60

In: 784.582+/-0.096 χ^2/NDF:2595315.5/50

Out: 774.982+/-0.091 χ^2/NDF:2734150.7/57

All: 779.551+/-0.066 χ^2/NDF: 5334735.6/108

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 25.122+/-0.172 χ^2/NDF: 23213.1/27

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -0.815+/-0.163 χ^2/NDF: 46046.6/32

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

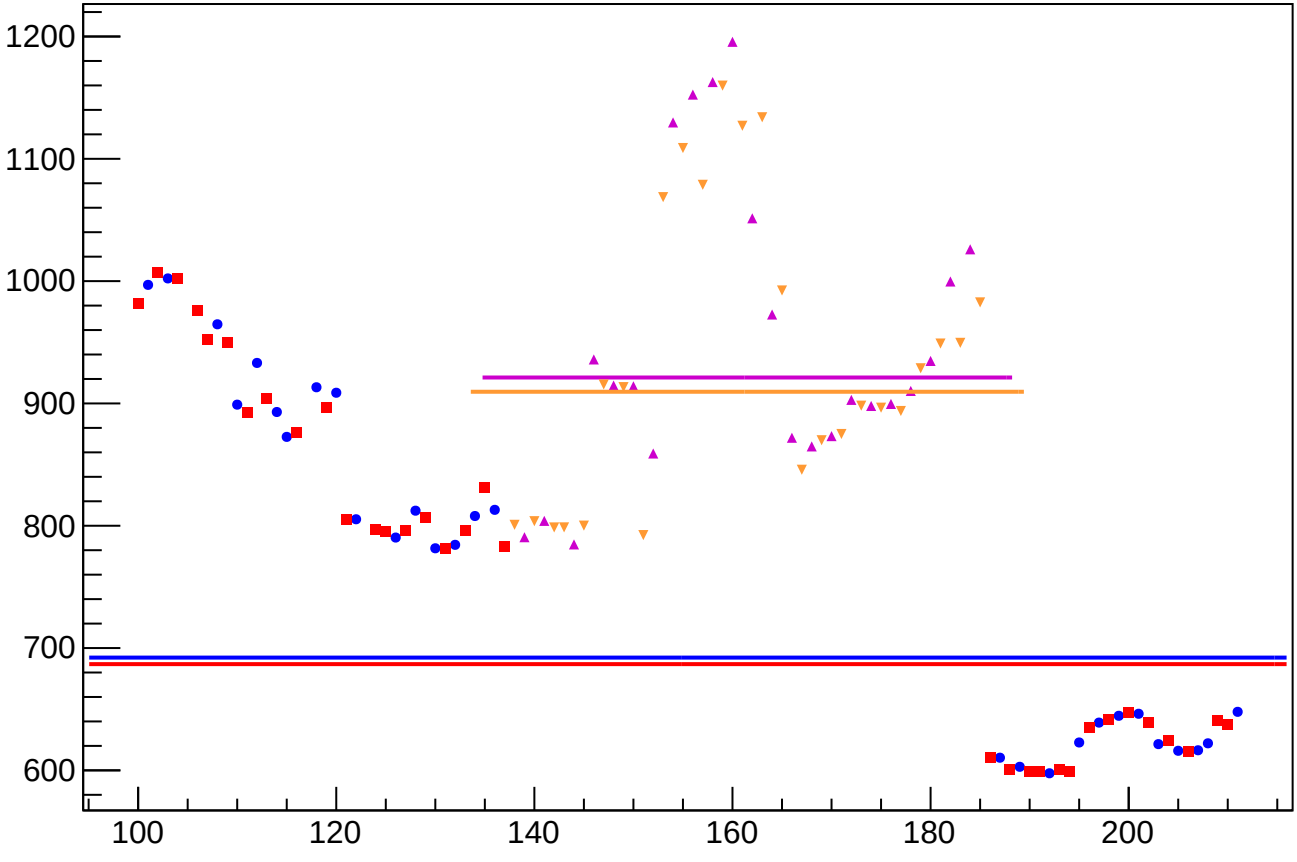
Right: 11.489+/-0.118 χ^2/NDF: 81207.4/60

In: 20.334+/-0.135 χ^2/NDF:30012.5/50

Out: 10.879+/-0.129 χ^2/NDF:64083.9/57

All: 15.384+/-0.093 χ^2/NDF: 96670.8/108

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 692.200+/-0.122 χ^2/NDF: 902417.2/27

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 686.858+/-0.116 χ^2/NDF: 1005299.0/32

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

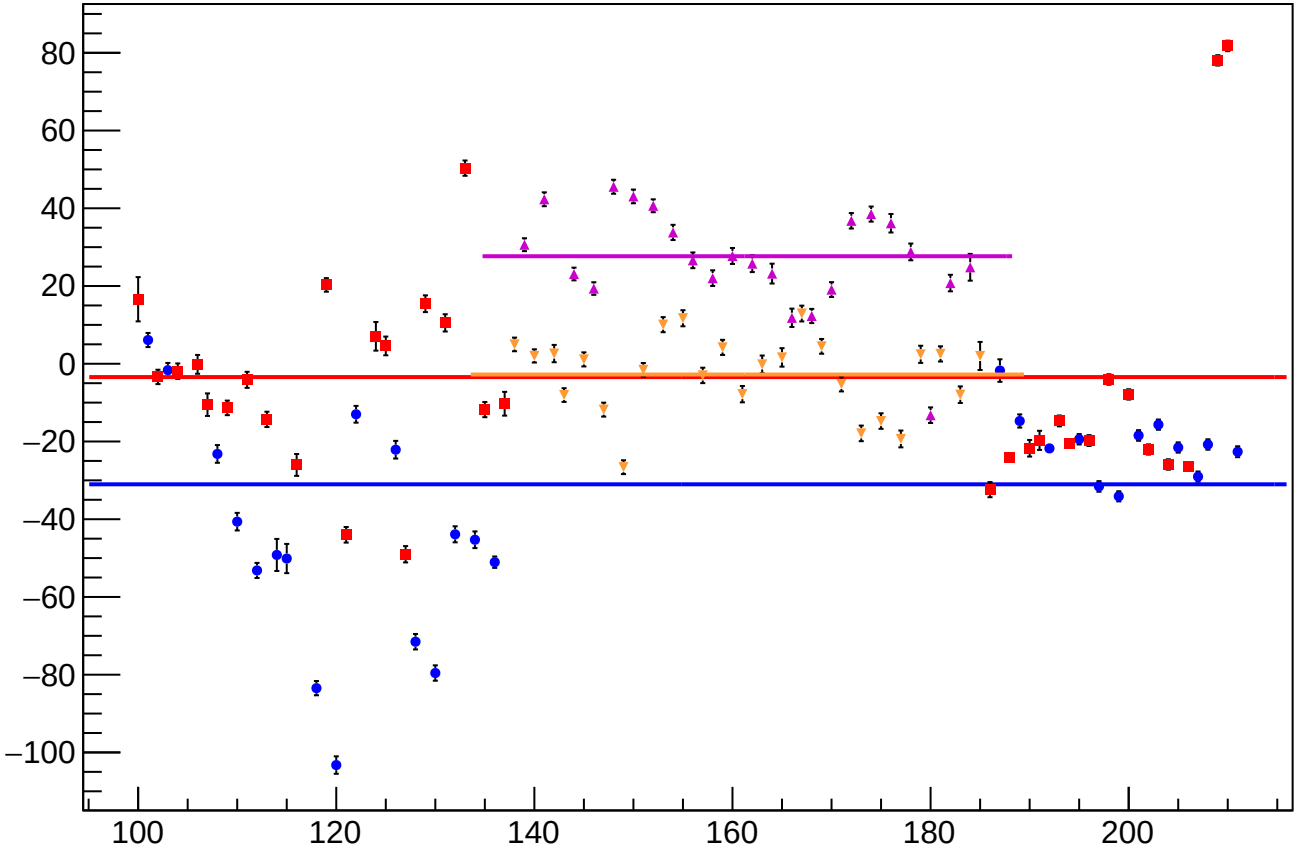
Right: 689.392+/-0.084 χ^2/NDF: 1908730.0/60

In: 780.517+/-0.095 χ^2/NDF:2766440.6/50

Out: 771.579+/-0.091 χ^2/NDF:2959804.9/57

All: 775.838+/-0.066 χ^2/NDF: 5730846.0/108

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -31.017+/-0.319 χ^2/NDF: 4787.2/27

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -3.430+/-0.305 χ^2/NDF: 11631.9/32

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

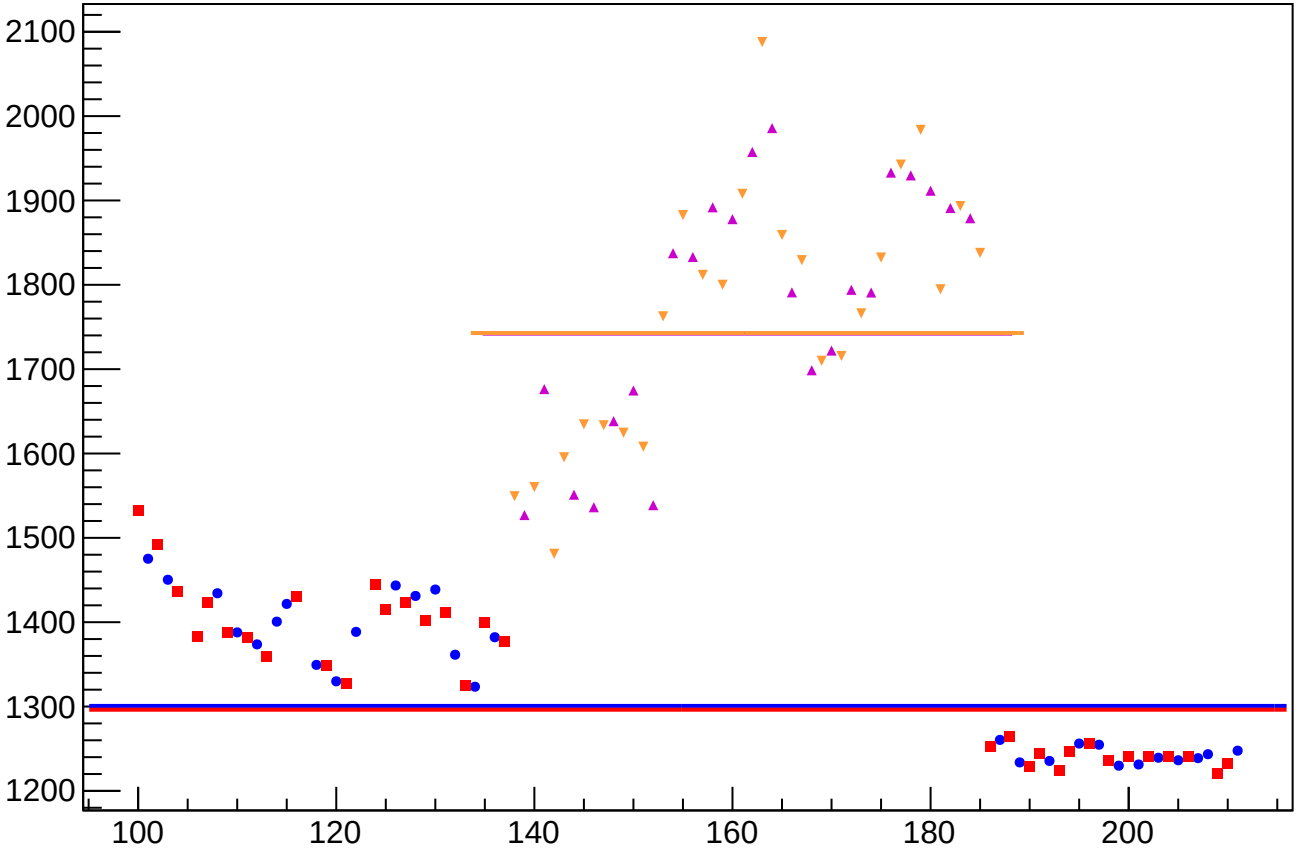
Right: -16.575+/-0.220 χ^2/NDF: 20324.1/60

In: -8.767+/-0.252 χ^2/NDF:18573.4/50

Out: -3.184+/-0.242 χ^2/NDF:12249.8/57

All: -5.864+/-0.174 χ^2/NDF: 31079.0/108

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1300.737+/-0.226 χ^2/NDF: 130969.1/27

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1296.235+/-0.215 χ^2/NDF: 136665.0/32

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

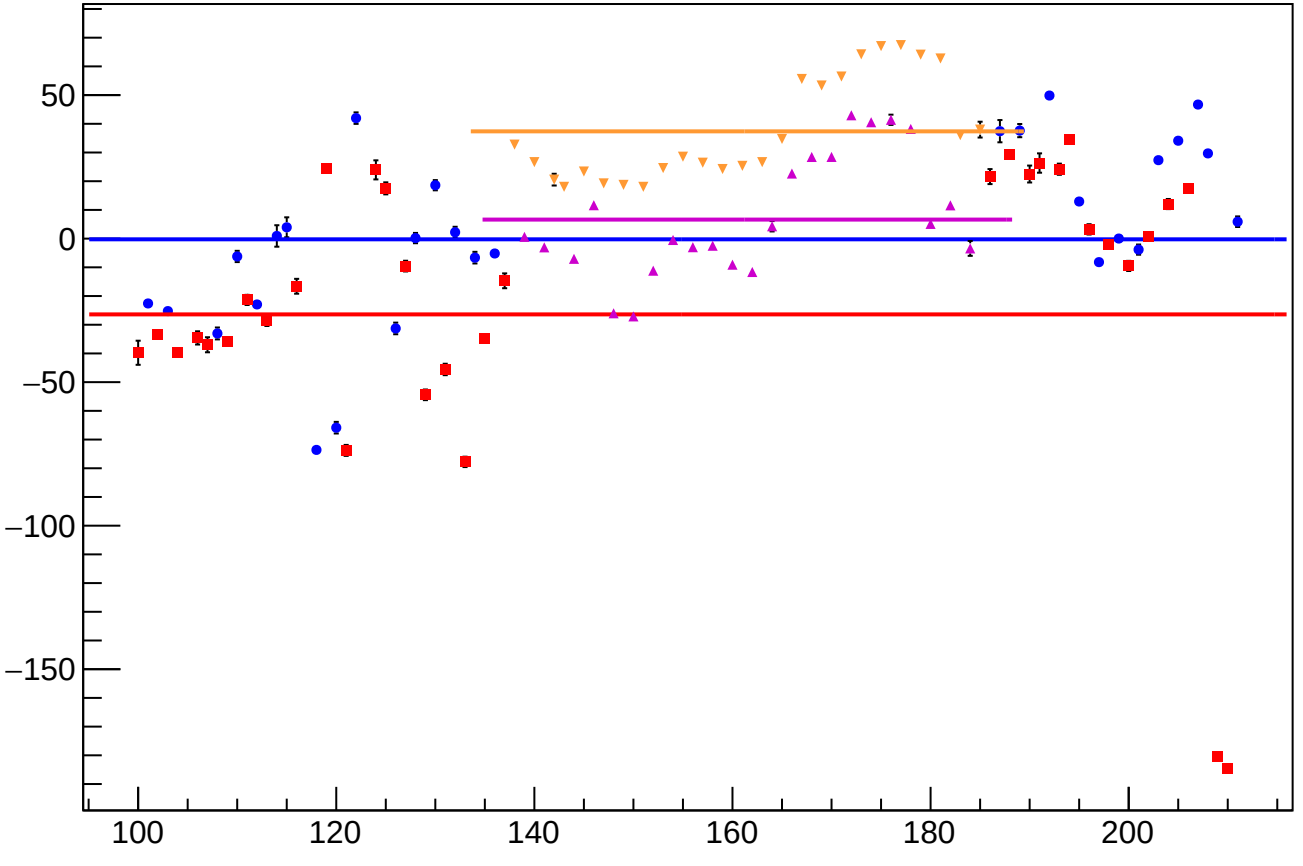
Right: 1298.380+/-0.156 χ^2/NDF: 267842.1/60

In: 1468.114+/-0.178 χ^2/NDF:1840767.2/50

Out: 1461.605+/-0.171 χ^2/NDF:1990342.9/57

All: 1464.730+/-0.123 χ^2/NDF: 3831805.6/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -0.242+/-0.346 χ^2/NDF: 7635.5/27

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -26.395+/-0.332 χ^2/NDF: 27093.9/32

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

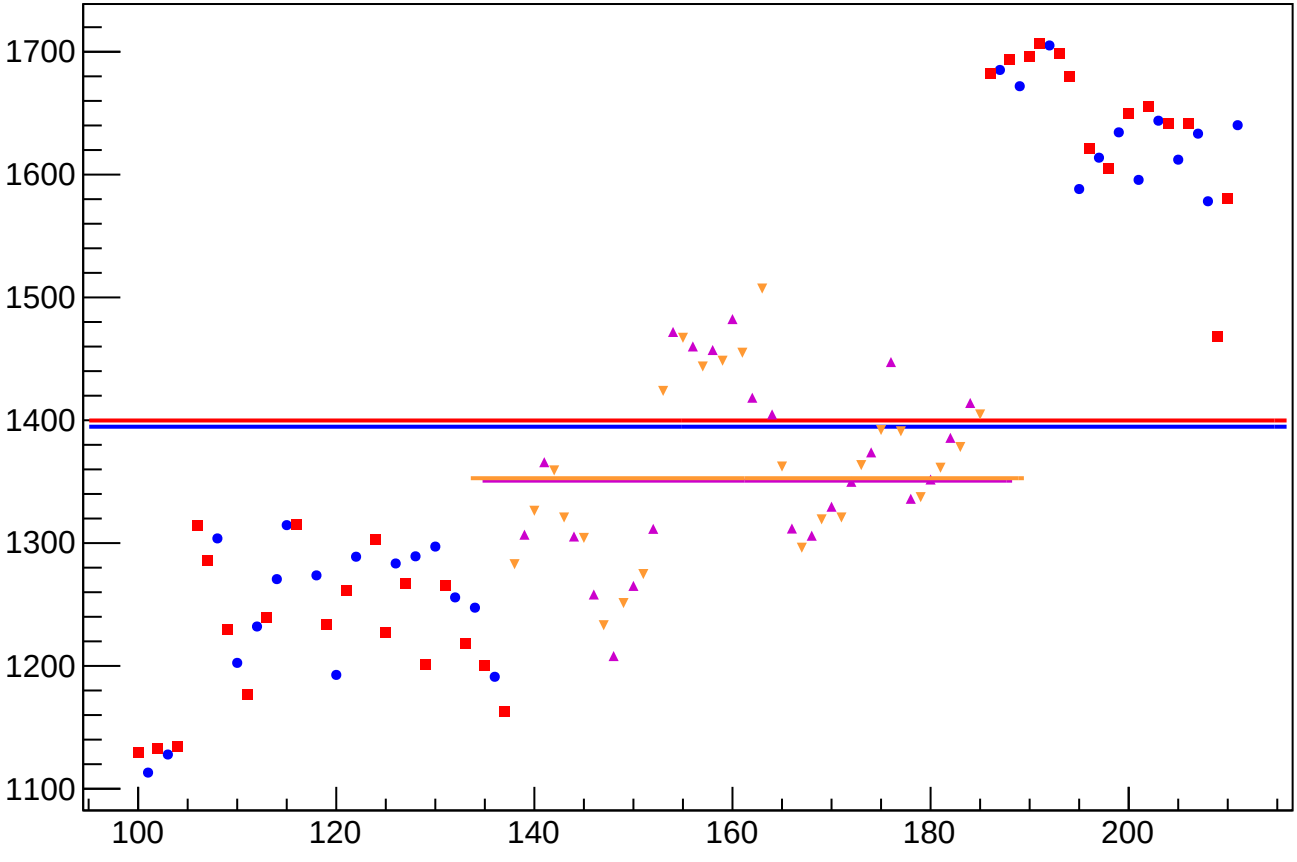
Right: -13.834+/-0.240 χ^2/NDF: 37703.0/60

In: 3.502+/-0.233 χ^2/NDF:12261.1/50

Out: 7.924+/-0.226 χ^2/NDF:50298.5/57

All: 5.784+/-0.162 χ^2/NDF: 62745.1/108

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1394.746+/-0.244 χ^2/NDF: 717210.0/27

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1399.815+/-0.235 χ^2/NDF: 834575.4/32

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

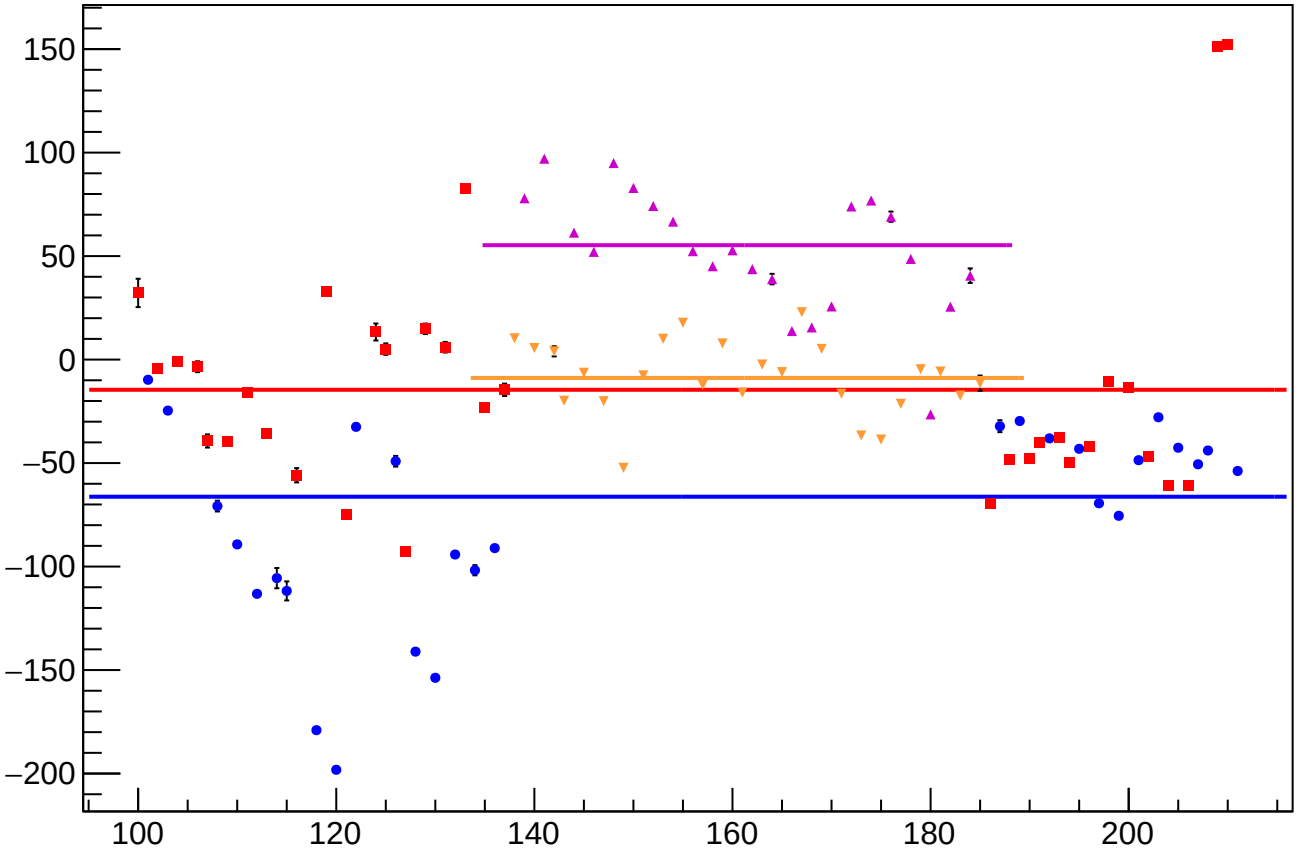
Right: 1397.380+/-0.169 χ^2/NDF: 1552008.8/60

In: 1370.823+/-0.165 χ^2/NDF:843406.6/50

Out: 1374.521+/-0.160 χ^2/NDF:960940.7/57

All: 1372.732+/-0.115 χ^2/NDF: 1804606.7/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -66.256+/-0.358 χ^2/NDF: 13937.8/27

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -14.586+/-0.338 χ^2/NDF: 32780.6/32

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

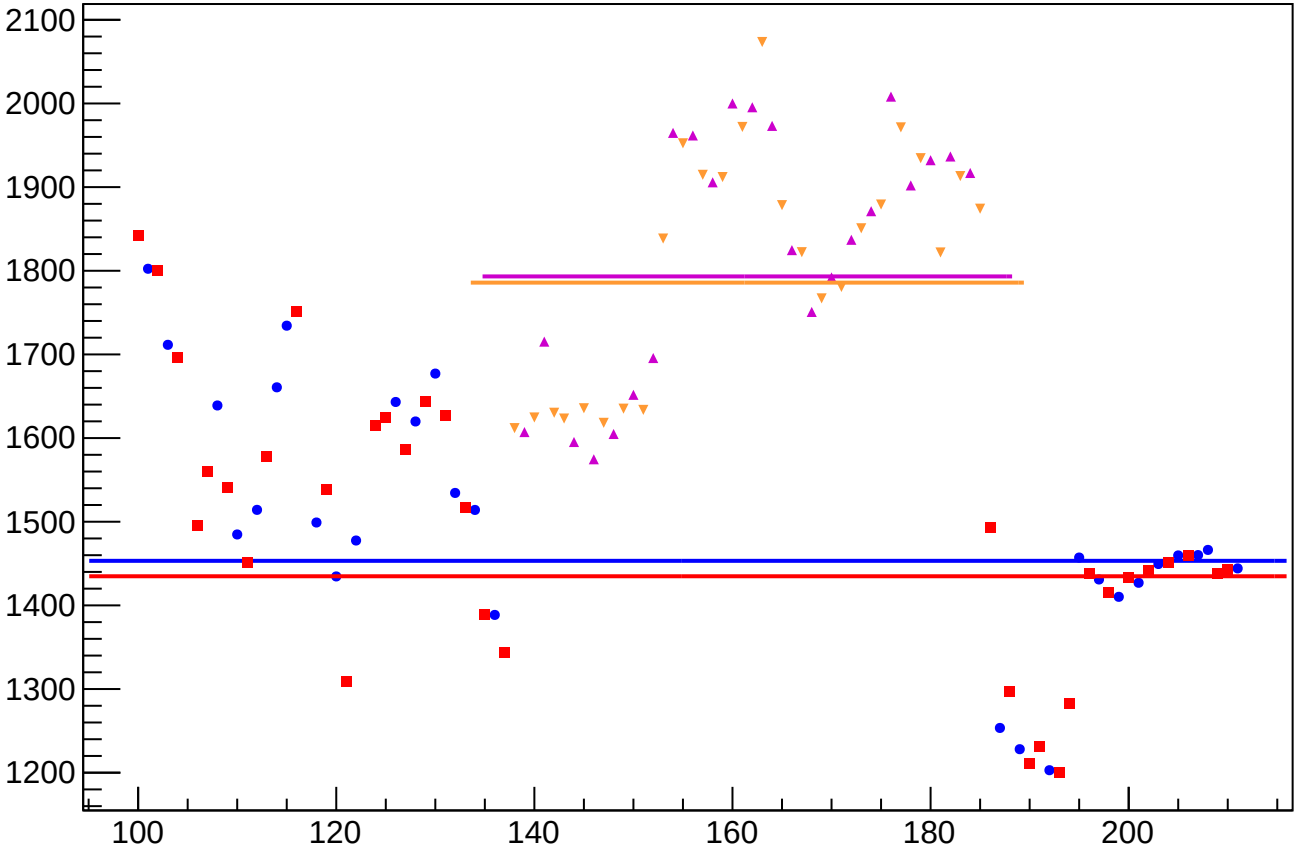
Right: -38.975+/-0.246 χ^2/NDF: 57731.7/60

In: -15.226+/-0.272 χ^2/NDF:67125.2/50

Out: -12.248+/-0.260 χ^2/NDF:34850.8/57

All: -13.668+/-0.188 χ^2/NDF: 102038.5/108

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1453.254+/-0.253 χ^2/NDF: 281748.1/27

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.810+/-0.239 χ^2/NDF: 330940.6/32

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

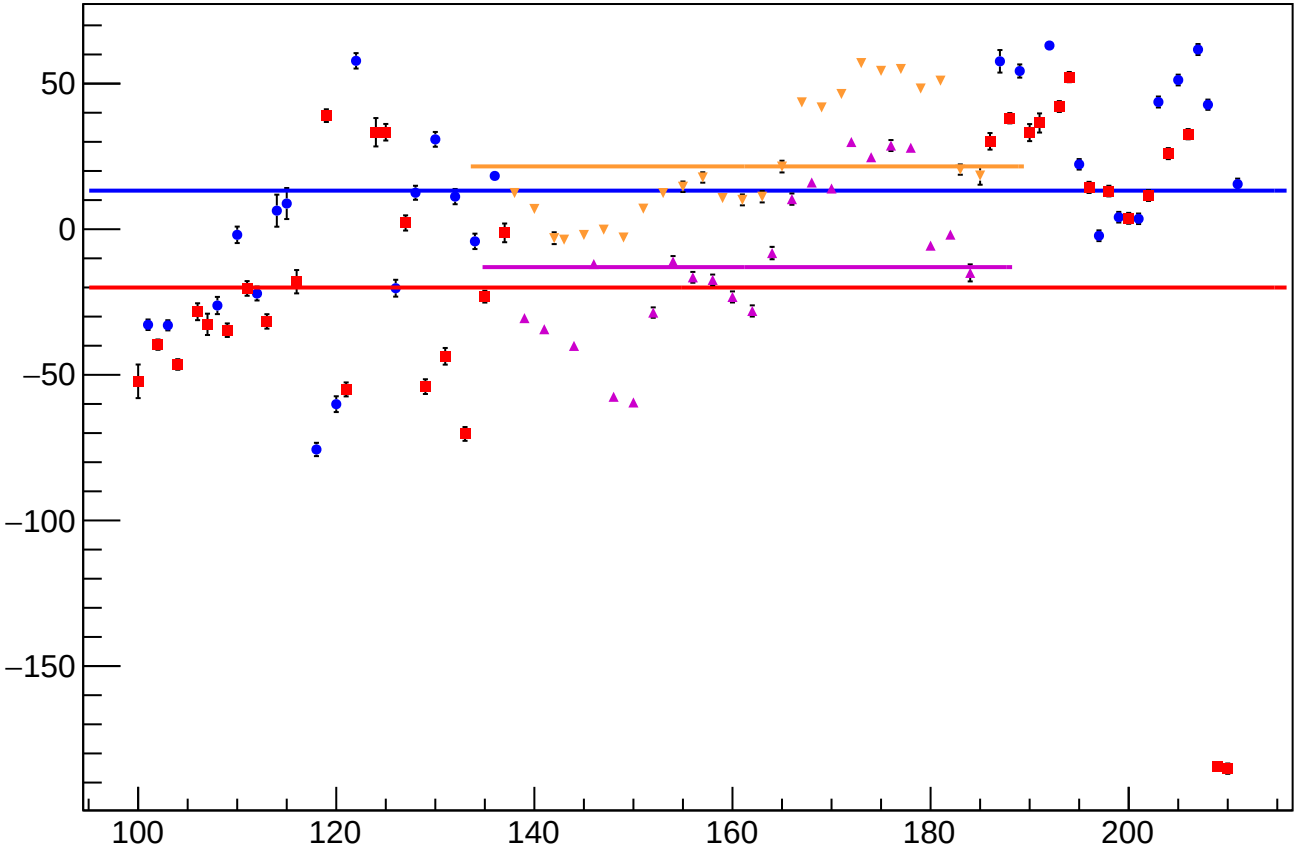
Right: 1443.515+/-0.174 χ^2/NDF: 615495.5/60

In: 1596.026+/-0.193 χ^2/NDF:1293067.7/50

Out: 1578.143+/-0.184 χ^2/NDF:1447658.1/57

All: 1586.672+/-0.133 χ^2/NDF: 2745232.0/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 13.247+/-0.407 χ^2/NDF: 7663.3/27

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -20.019+/-0.387 χ^2/NDF: 30430.4/32

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

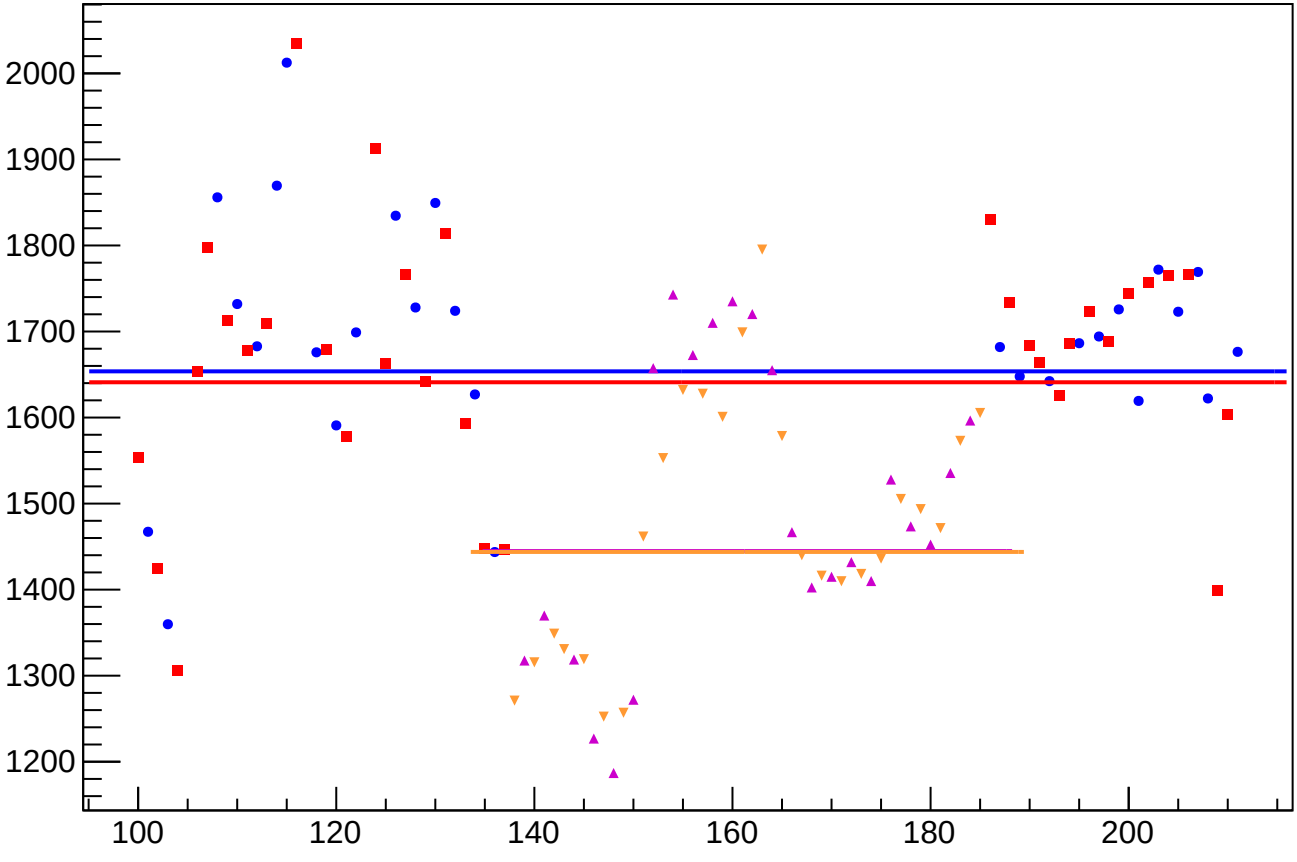
Right: -4.231+/-0.280 χ^2/NDF: 41601.1/60

In: -2.224+/-0.261 χ^2/NDF:16741.3/50

Out: 4.062+/-0.251 χ^2/NDF:41278.9/57

All: 1.041+/-0.181 χ^2/NDF: 58321.5/108

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1653.694+/-0.288 χ^2/NDF: 188494.9/27

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1641.006+/-0.274 χ^2/NDF: 277786.5/32

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

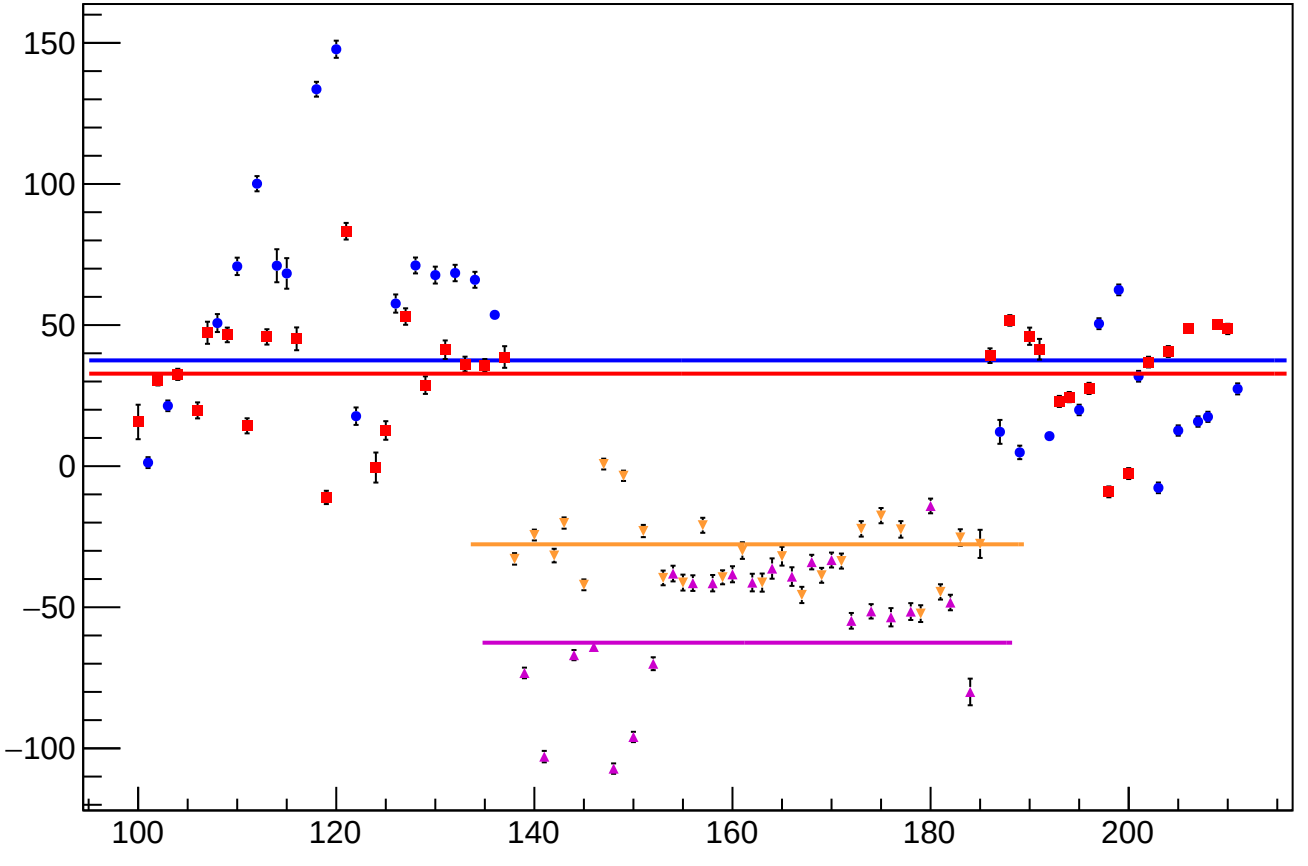
Right: 1647.027+/-0.198 χ^2/NDF: 467301.7/60

In: 1530.640+/-0.185 χ^2/NDF:983811.7/50

Out: 1526.825+/-0.178 χ^2/NDF:930898.1/57

All: 1528.658+/-0.128 χ^2/NDF: 1914931.8/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 37.486+/-0.434 χ^2/NDF: 6250.2/27

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 32.787+/-0.412 χ^2/NDF: 2214.2/32

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

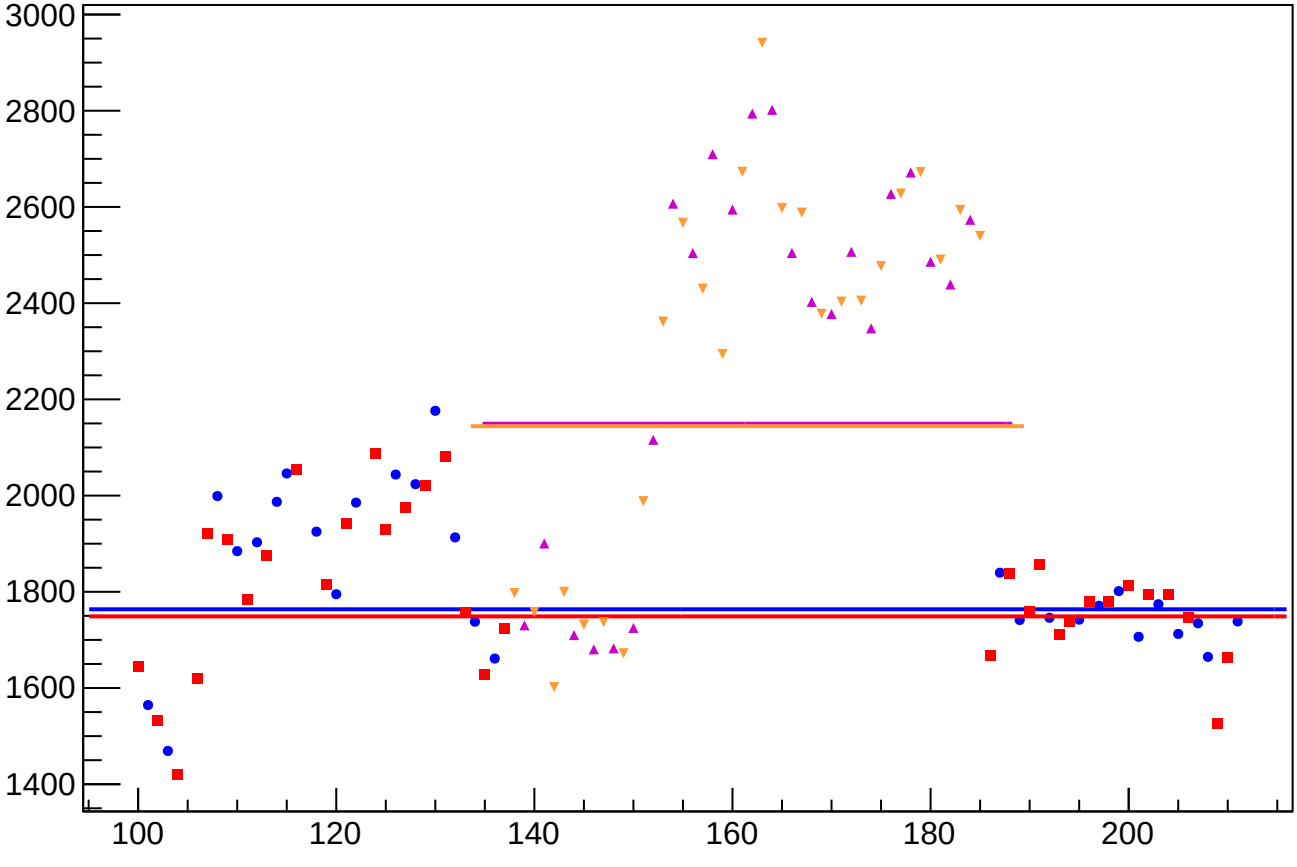
Right: 35.014+/-0.299 χ^2/NDF: 8526.1/60

In: -4.381+/-0.331 χ^2/NDF:30932.3/50

Out: 8.094+/-0.317 χ^2/NDF:11776.9/57

All: 2.128+/-0.229 χ^2/NDF: 43450.2/108

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1763.647+/-0.307 χ^2/NDF: 210344.6/27

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1748.893+/-0.291 χ^2/NDF: 245688.3/32

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

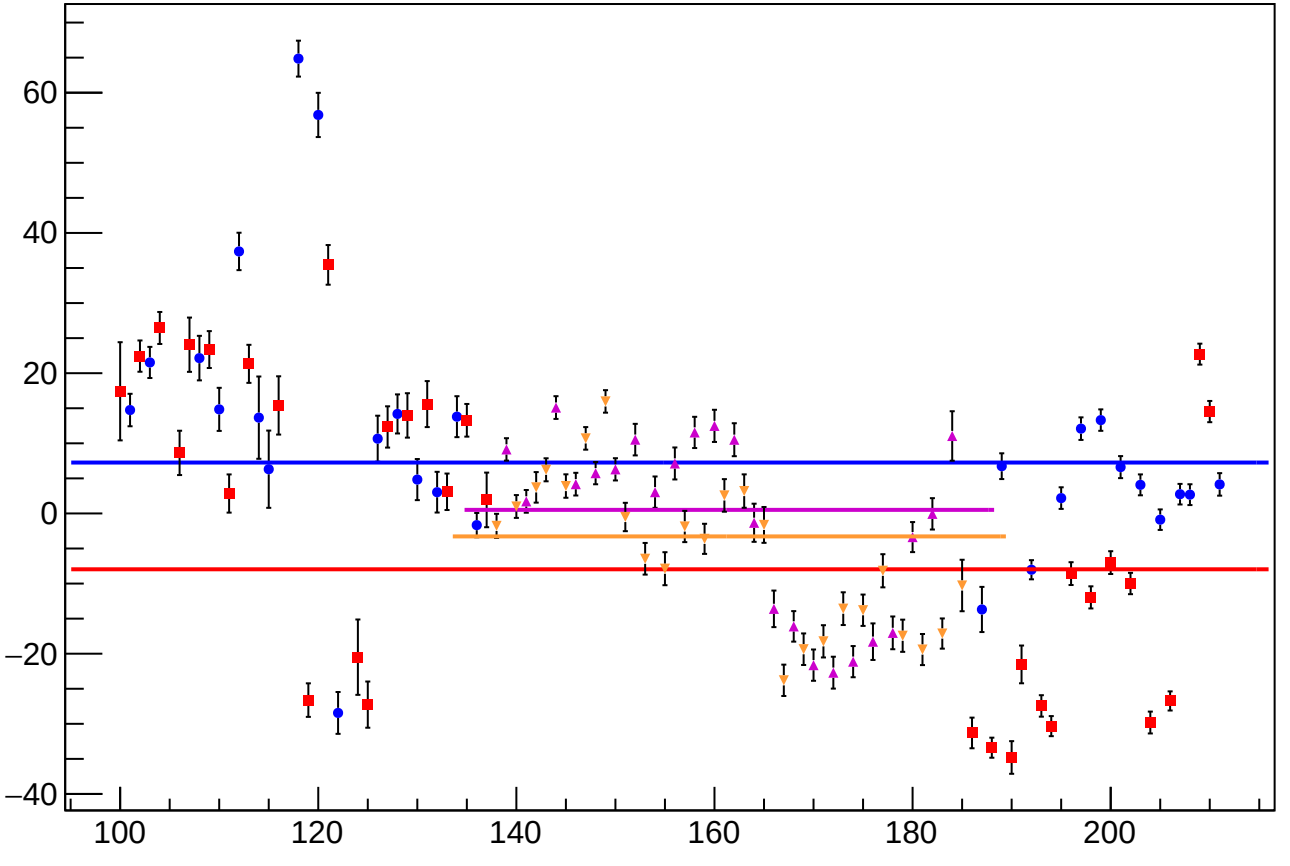
Right: 1755.885+/-0.211 χ^2/NDF: 457248.3/60

In: 1925.063+/-0.234 χ^2/NDF:2136738.9/50

Out: 1910.296+/-0.224 χ^2/NDF:2277245.5/57

All: 1917.358+/-0.162 χ^2/NDF: 4416060.8/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 7.259+/-0.382 χ^2/NDF: 1407.6/27

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -7.964+/-0.364 χ^2/NDF: 3451.7/32

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

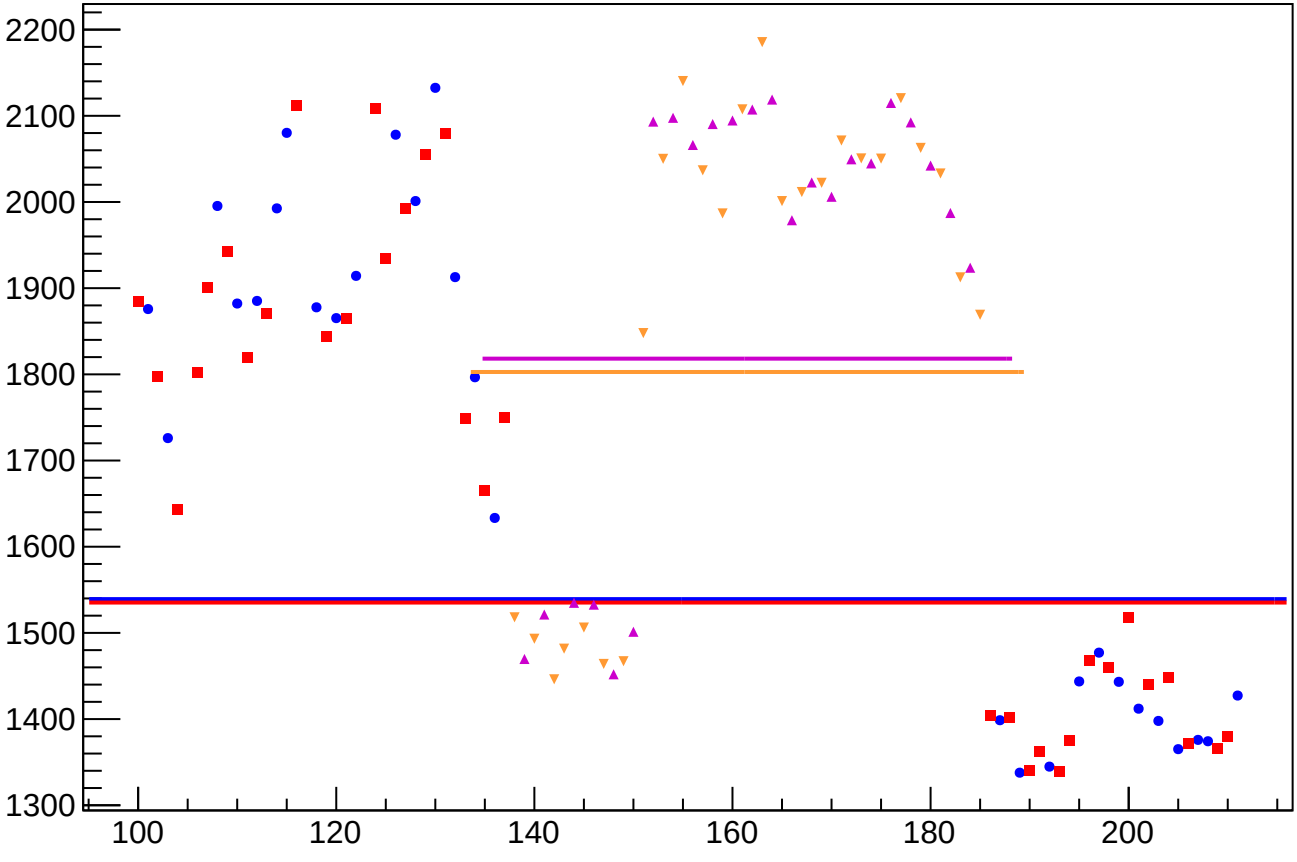
Right: -0.714+/-0.263 χ^2/NDF: 5692.1/60

In: 4.283+/-0.285 χ^2/NDF:2291.2/50

Out: -5.923+/-0.274 χ^2/NDF:4195.0/57

All: -1.036+/-0.197 χ^2/NDF: 7152.7/108

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1539.205+/-0.270 χ^2/NDF: 726490.0/27

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1535.213+/-0.257 χ^2/NDF: 705825.0/32

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

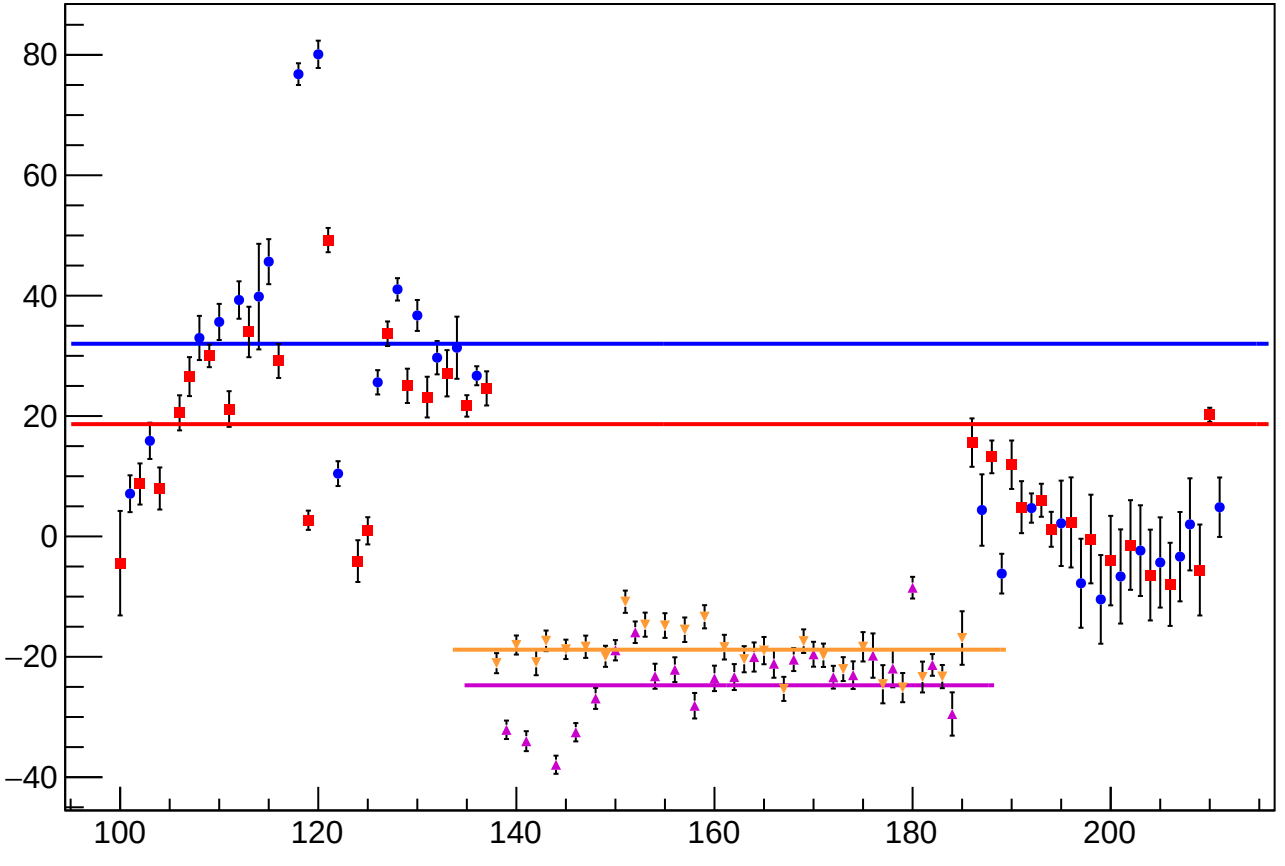
Right: 1537.114+/-0.186 χ^2/NDF: 1432429.5/60

In: 1662.254+/-0.202 χ^2/NDF:2038053.7/50

Out: 1651.671+/-0.193 χ^2/NDF:2073383.2/57

All: 1656.739+/-0.140 χ^2/NDF: 4112870.0/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.009+/-0.572 χ^2/NDF: 1837.2/27

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.654+/-0.484 χ^2/NDF: 743.7/32

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

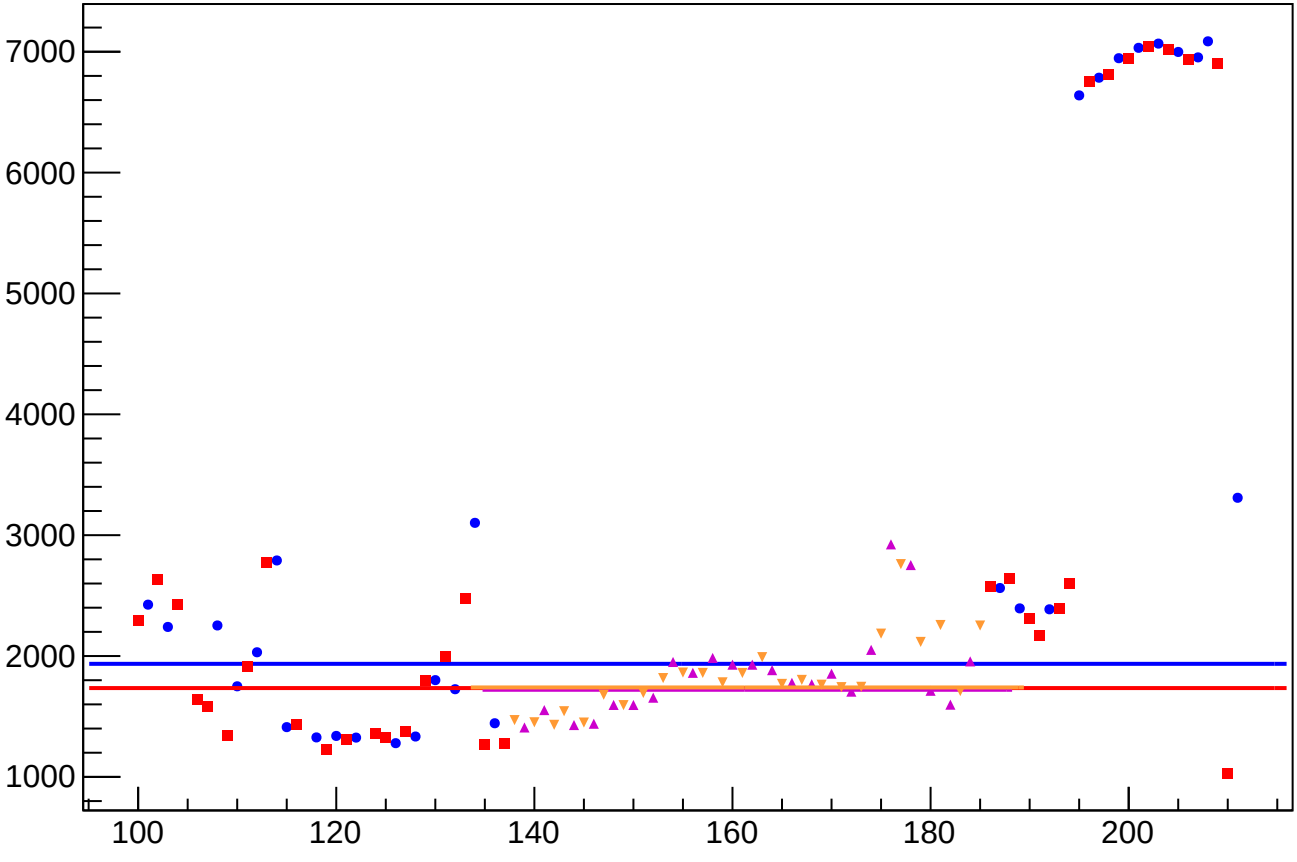
Right: 24.228+/-0.370 χ^2/NDF: 2898.4/60

In: -5.553+/-0.333 χ^2/NDF:8657.4/50

Out: -3.530+/-0.309 χ^2/NDF:4364.2/57

All: -4.468+/-0.226 χ^2/NDF: 13041.5/108

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1935.505+/-0.405 χ^2/NDF: 8889023.1/27

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1734.948+/-0.342 χ^2/NDF: 9480788.2/32

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

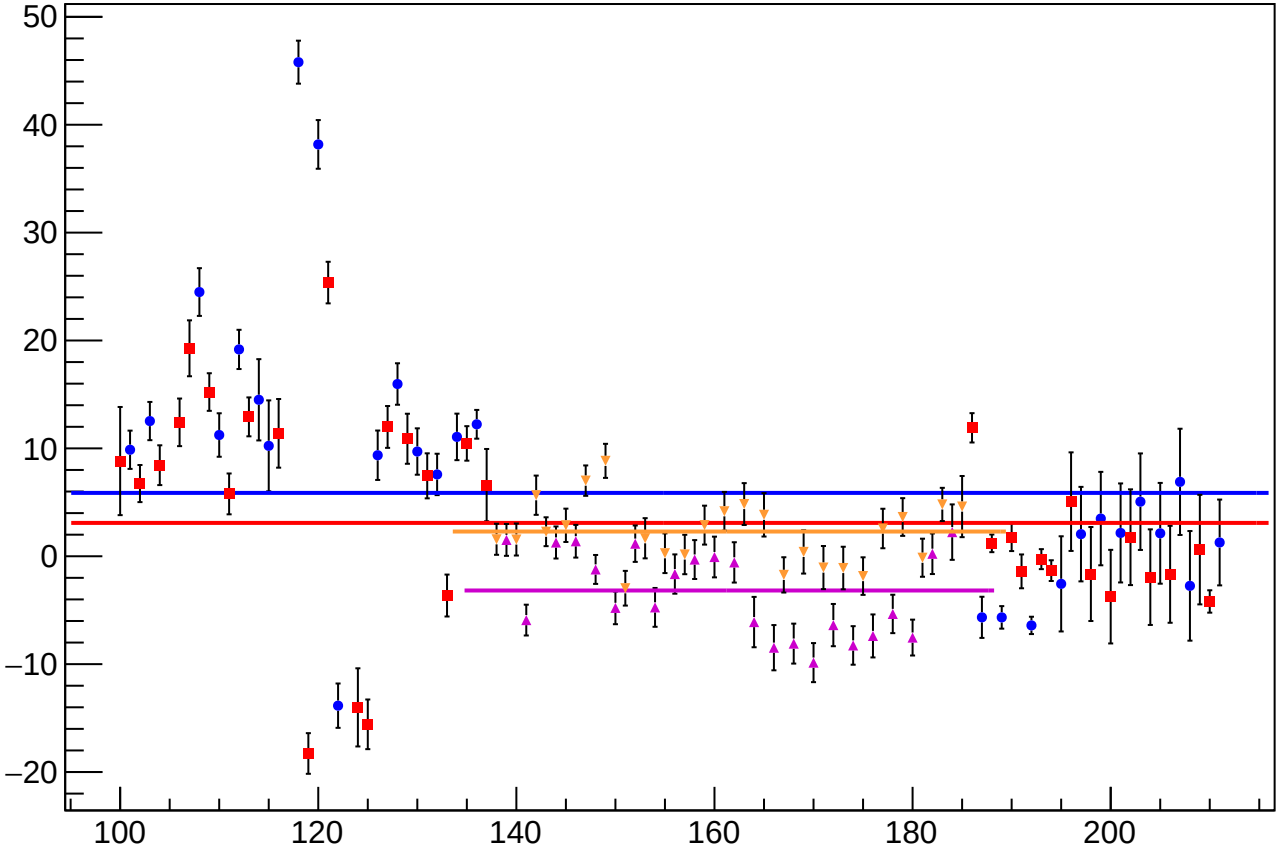
Right: 1818.652+/-0.261 χ^2/NDF: 18513026.8/60

In: 1793.412+/-0.235 χ^2/NDF:9959392.8/50

Out: 1737.992+/-0.219 χ^2/NDF:10234299.2/57

All: 1763.689+/-0.160 χ^2/NDF: 20223473.7/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.874+/-0.375 χ^2/NDF: 1320.7/27

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.092+/-0.304 χ^2/NDF: 726.2/32

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

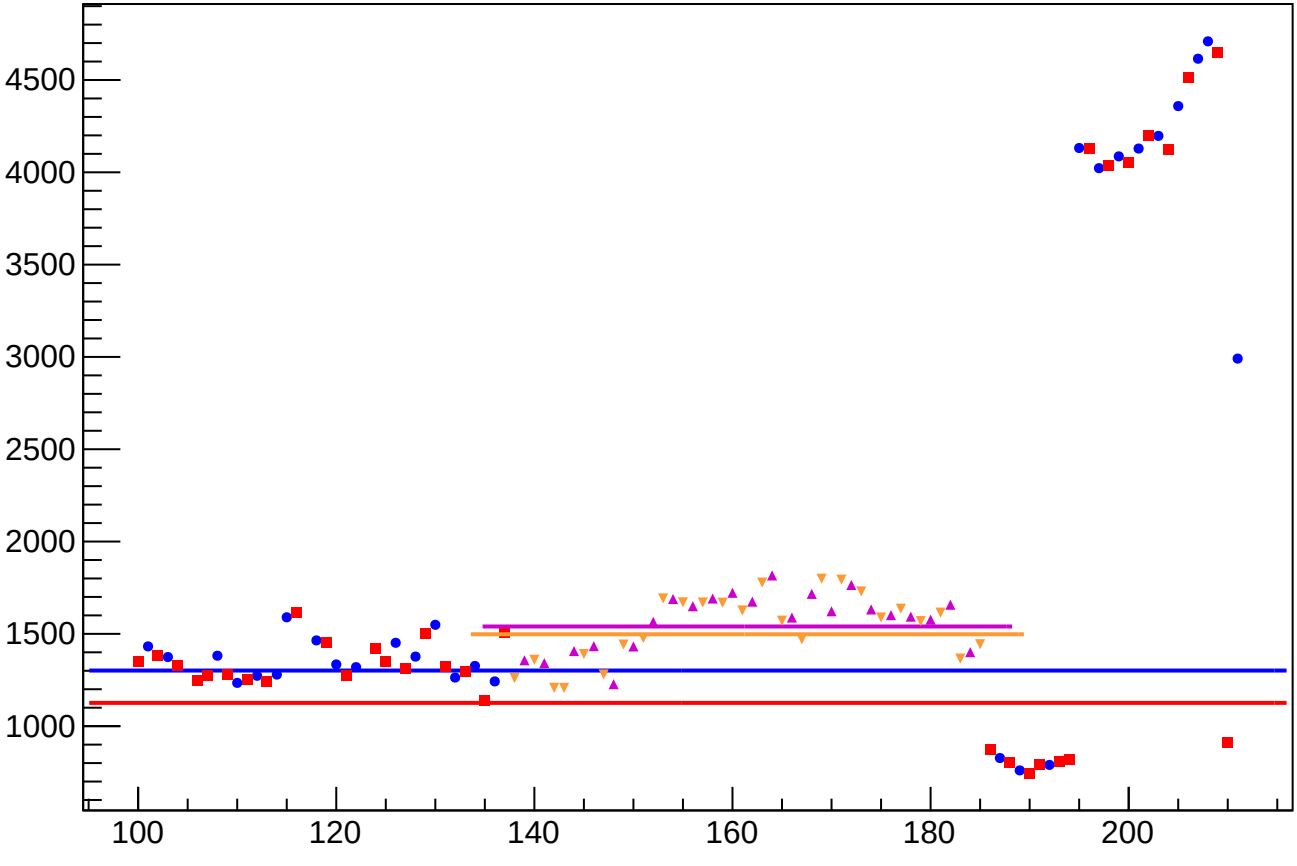
Right: 4.194+/-0.236 χ^2/NDF: 2080.2/60

In: 1.197+/-0.261 χ^2/NDF:1732.0/50

Out: 2.741+/-0.228 χ^2/NDF:802.8/57

All: 2.073+/-0.171 χ^2/NDF: 2554.7/108

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1301.248+/-0.265 χ^2/NDF: 8599963.3/27

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1126.141+/-0.215 χ^2/NDF: 8205670.7/32

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

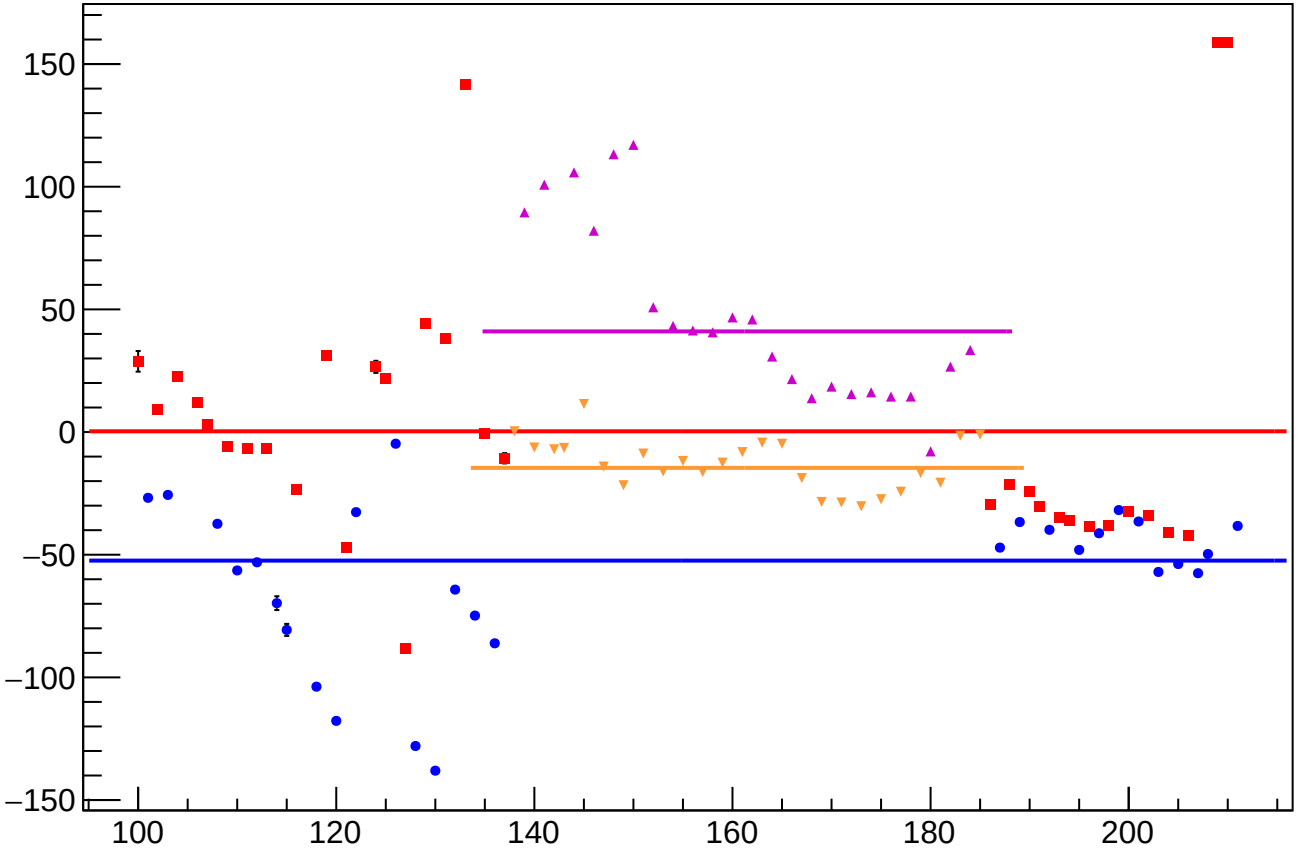
Right: 1195.512+/-0.167 χ^2/NDF: 17069053.2/60

In: 1424.609+/-0.184 χ^2/NDF:9399121.2/50

Out: 1289.173+/-0.161 χ^2/NDF:10087946.4/57

All: 1347.756+/-0.121 χ^2/NDF: 19793630.7/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -52.402+/-0.179 χ^2/NDF: 18249.2/27

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 0.299+/-0.170 χ^2/NDF: 154958.8/32

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

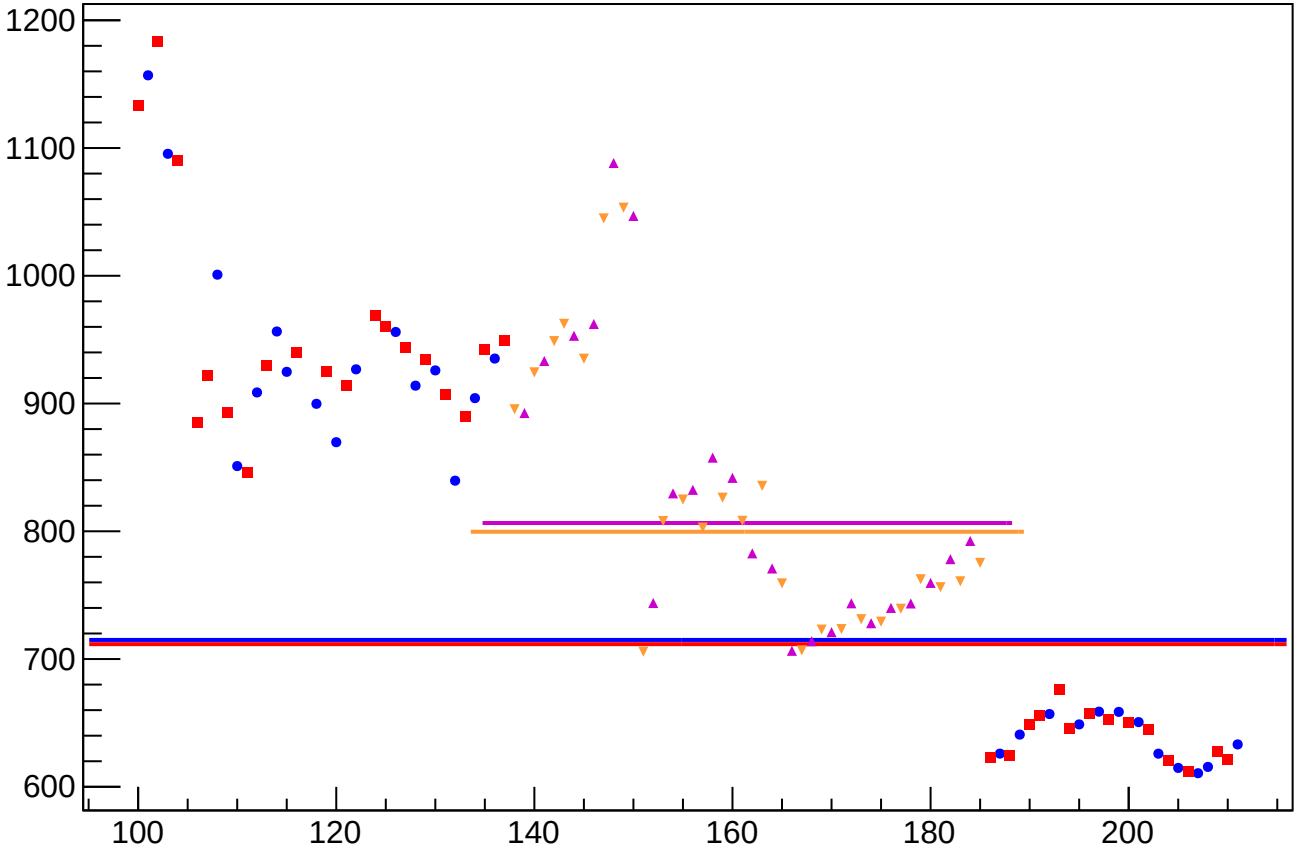
Right: -24.763+/-0.123 χ^2/NDF: 218894.0/60

In: -8.535+/-0.130 χ^2/NDF:177858.1/50

Out: -6.605+/-0.125 χ^2/NDF:161675.4/57

All: -7.528+/-0.090 χ^2/NDF: 339648.3/108

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 714.954+/-0.126 χ^2/NDF: 1213658.3/27

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 711.646+/-0.120 χ^2/NDF: 1292869.2/32

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

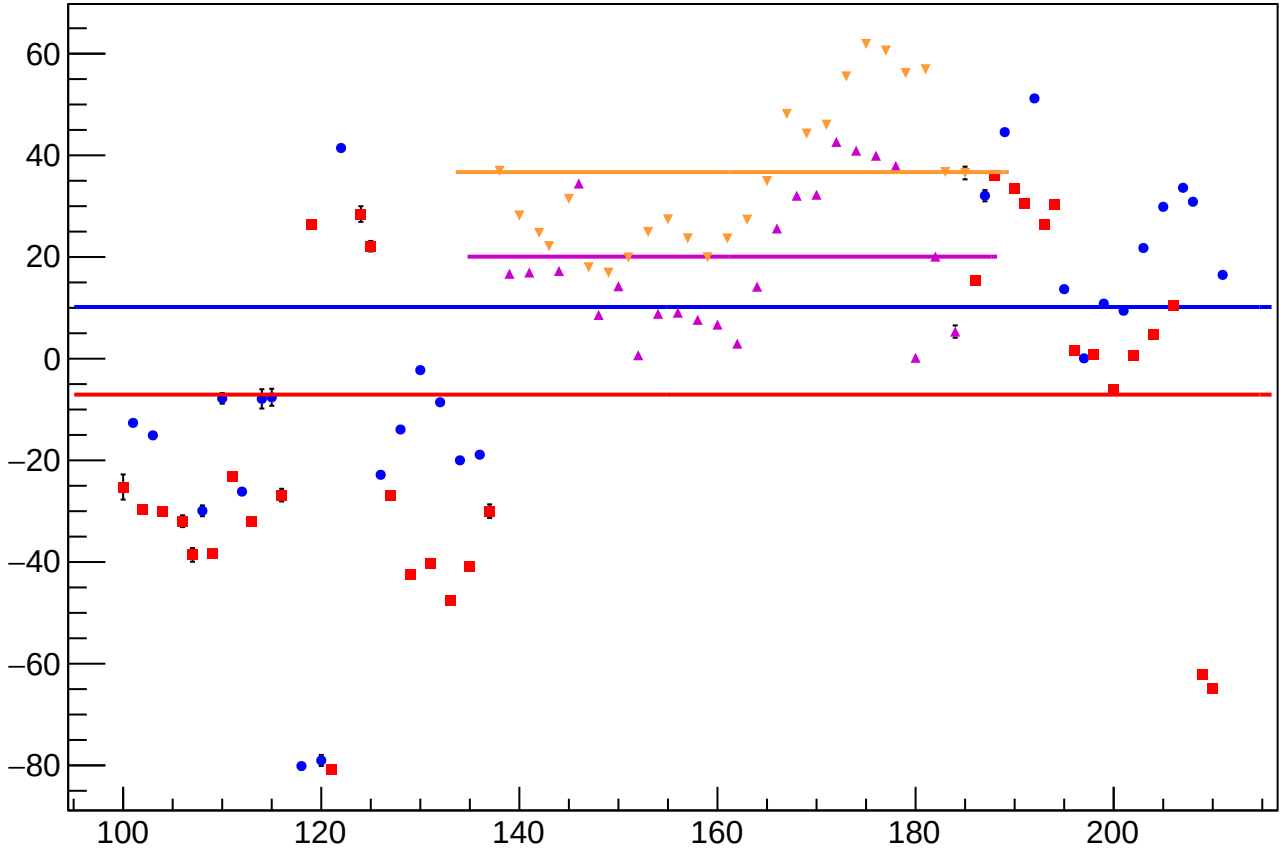
Right: 713.219+/-0.087 χ^2/NDF: 2506887.5/60

In: 757.929+/-0.092 χ^2/NDF:1971695.4/50

Out: 752.427+/-0.088 χ^2/NDF:2038553.1/57

All: 755.060+/-0.064 χ^2/NDF: 4012115.9/108

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 10.164+/-0.132 χ^2/NDF: 45639.2/27

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -7.067+/-0.125 χ^2/NDF: 67878.5/32

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

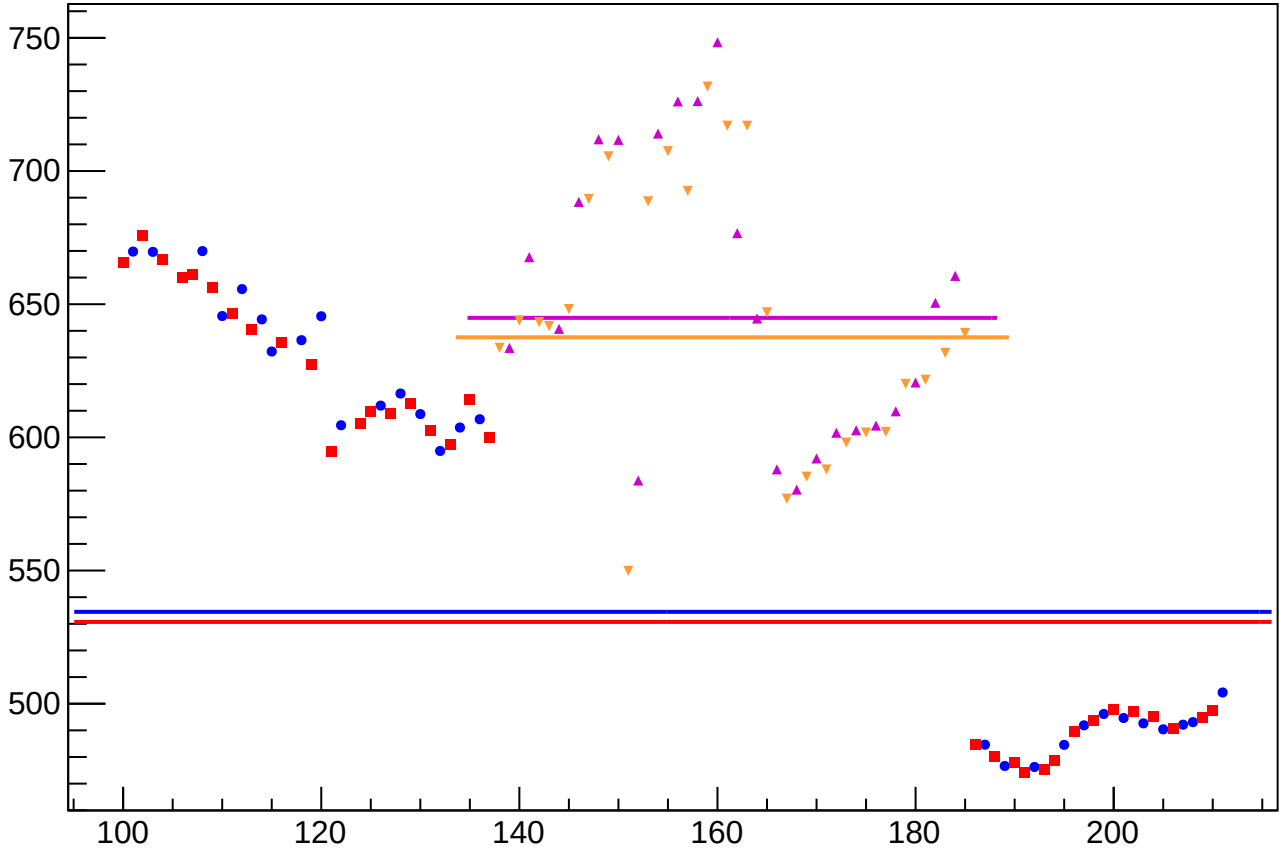
Right: 1.110+/-0.091 χ^2/NDF: 122468.8/60

In: 14.448+/-0.099 χ^2/NDF:56634.1/50

Out: 11.611+/-0.095 χ^2/NDF:130046.2/57

All: 12.964+/-0.069 χ^2/NDF: 187106.0/108

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 534.494+/-0.093 χ^2/NDF: 514853.1/27

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 530.717+/-0.089 χ^2/NDF: 558502.6/32

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

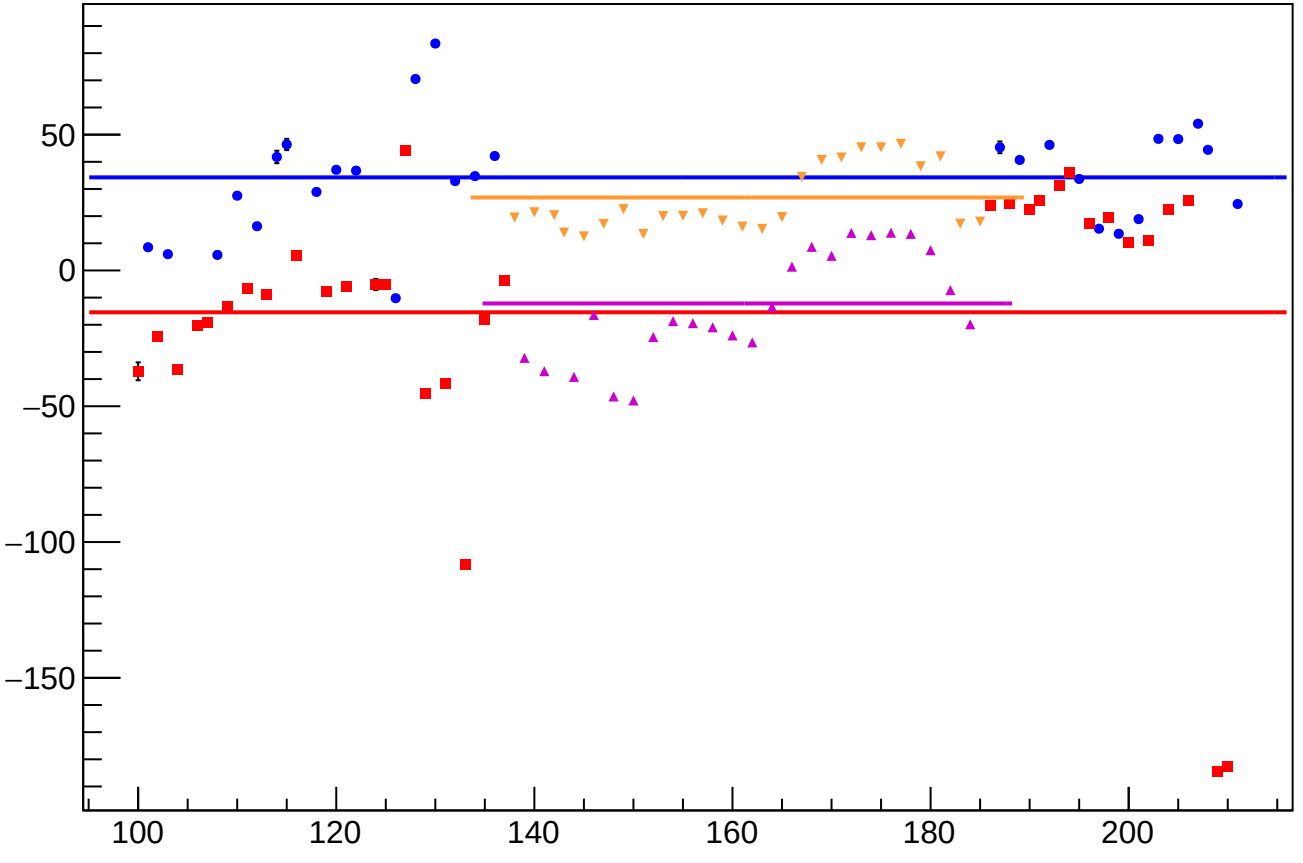
Right: 532.510+/-0.064 χ^2/NDF: 1074215.7/60

In: 582.233+/-0.070 χ^2/NDF:1349000.7/50

Out: 576.313+/-0.067 χ^2/NDF:1414023.0/57

All: 579.137+/-0.049 χ^2/NDF: 2766729.2/108

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.269+/-0.210 χ^2/NDF: 8888.8/27

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -15.406+/-0.203 χ^2/NDF: 81875.9/32

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

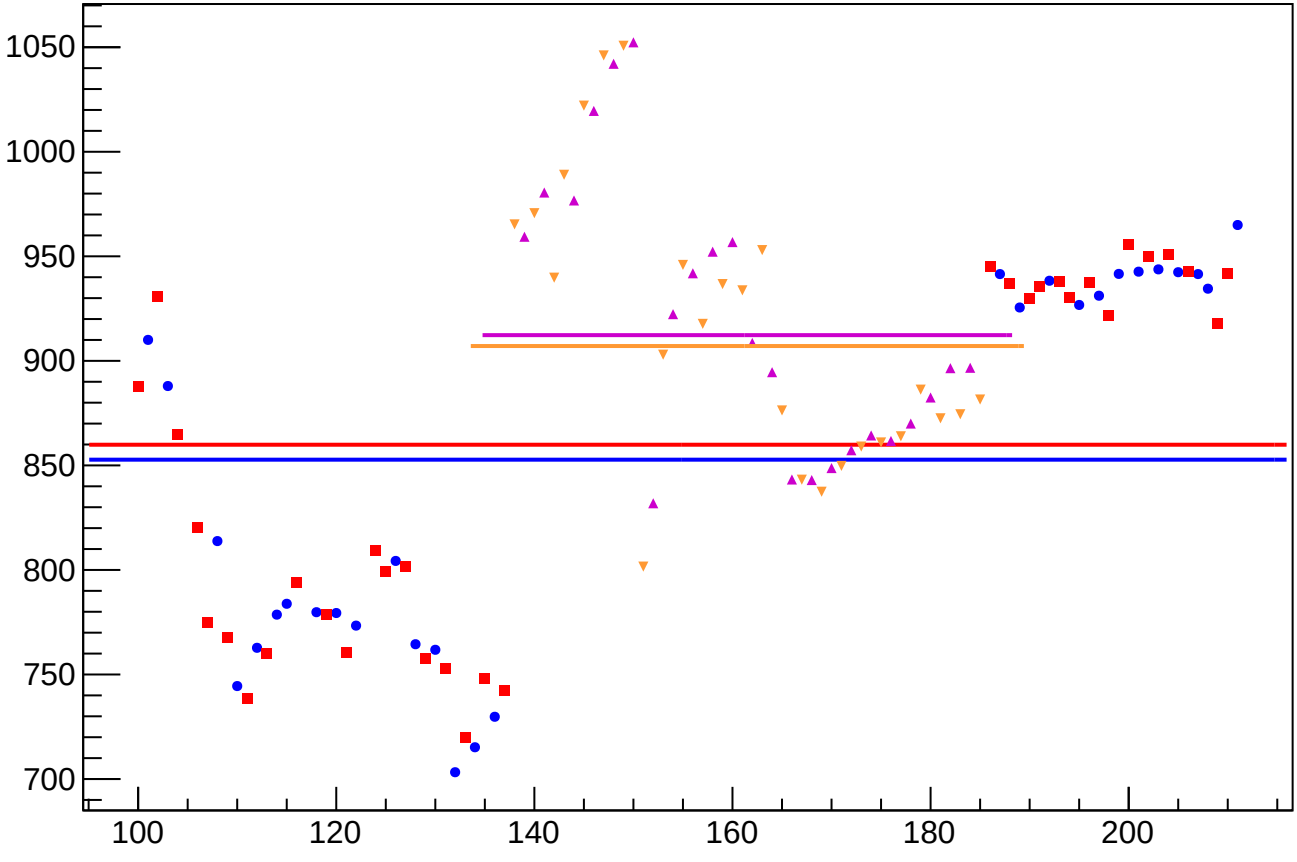
Right: 8.532+/-0.146 χ^2/NDF: 119689.0/60

In: 11.432+/-0.150 χ^2/NDF:41422.8/50

Out: 5.326+/-0.145 χ^2/NDF:106584.0/57

All: 8.273+/-0.104 χ^2/NDF: 148865.7/108

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 852.741+/-0.149 χ^2/NDF: 379214.7/27

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 859.890+/-0.143 χ^2/NDF: 363073.0/32

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

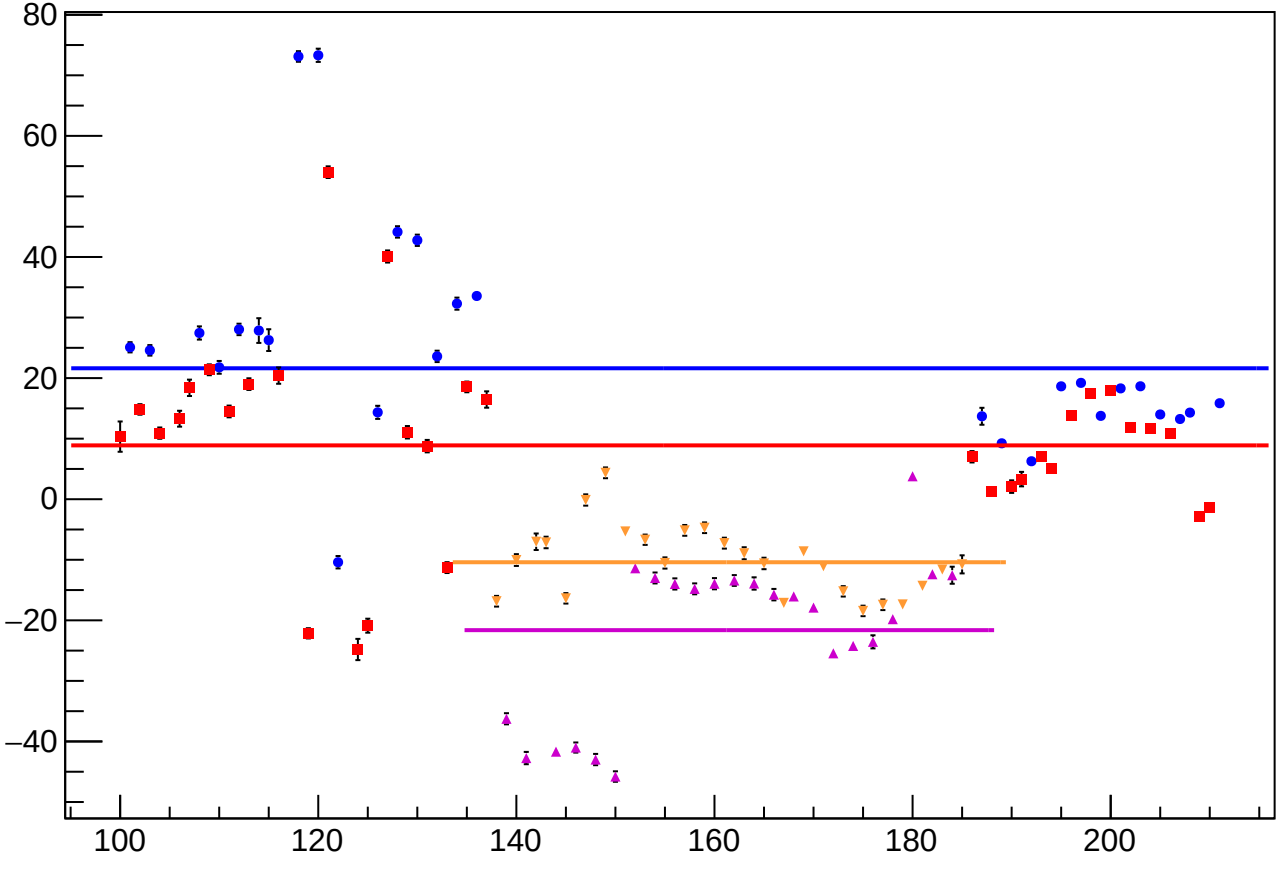
Right: 856.445+/-0.103 χ^2/NDF: 743485.8/60

In: 882.037+/-0.106 χ^2/NDF:632879.7/50

Out: 883.038+/-0.102 χ^2/NDF:610832.9/57

All: 882.555+/-0.074 χ^2/NDF: 1243758.8/108

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 21.623+/-0.150 χ^2/NDF: 10082.2/27

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 8.890+/-0.143 χ^2/NDF: 8326.0/32

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

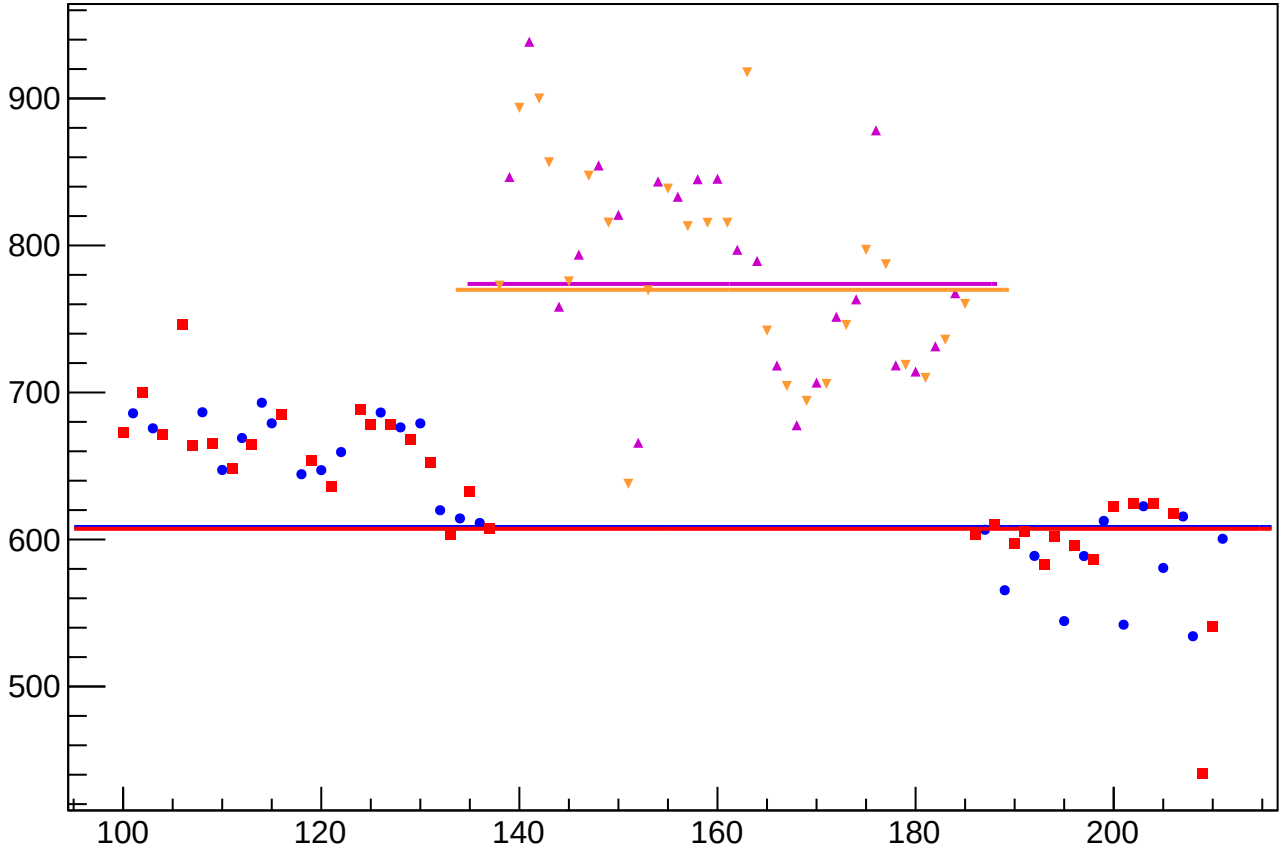
Right: 14.968+/-0.104 χ^2/NDF: 22168.3/60

In: 4.106+/-0.116 χ^2/NDF:48935.1/50

Out: 1.186+/-0.111 χ^2/NDF:16589.0/57

All: 2.587+/-0.080 χ^2/NDF: 65854.9/108

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 608.504+/-0.106 χ^2/NDF: 194717.4/27

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 607.277+/-0.101 χ^2/NDF: 400385.9/32

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

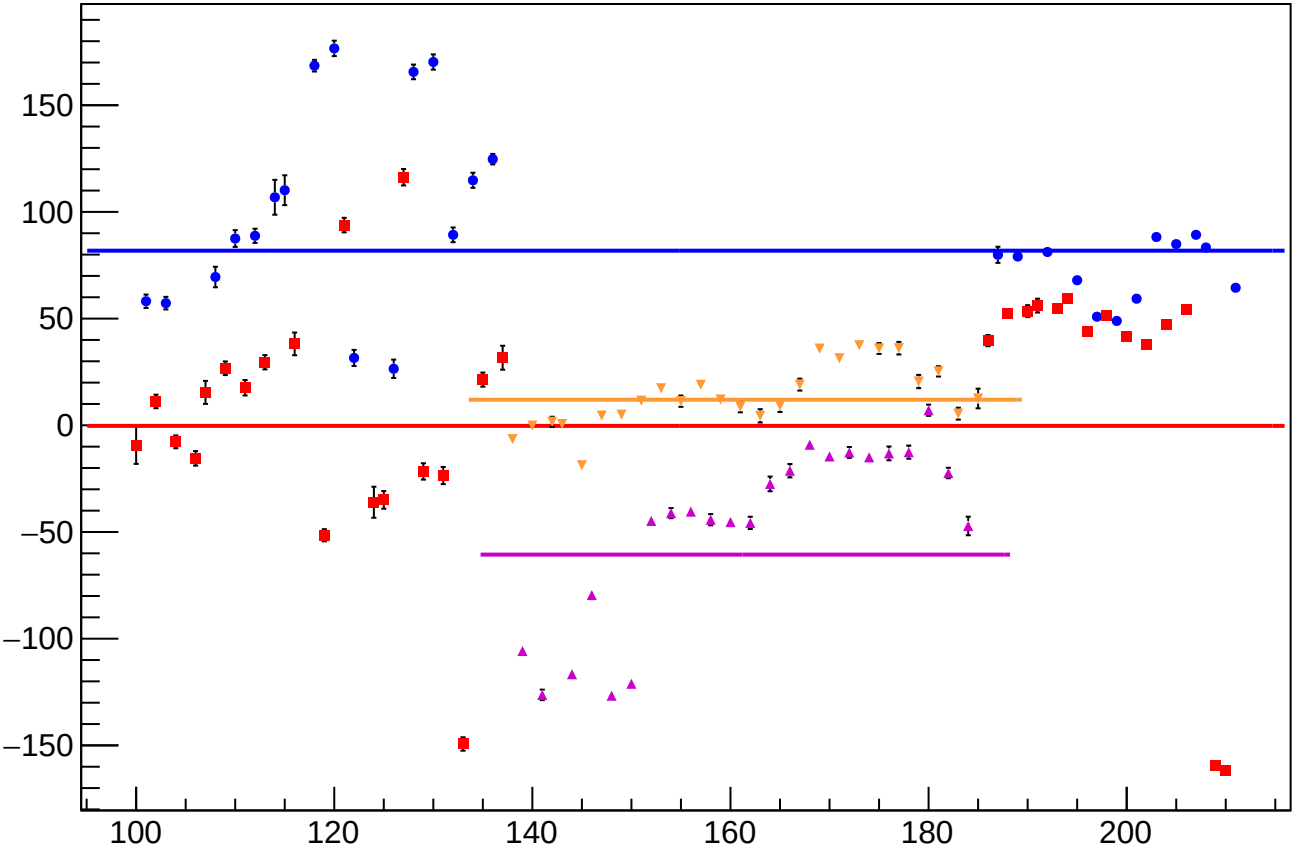
Right: 607.862+/-0.073 χ^2/NDF: 595173.1/60

In: 675.480+/-0.082 χ^2/NDF:1460241.5/50

Out: 672.182+/-0.079 χ^2/NDF:1730098.4/57

All: 673.764+/-0.057 χ^2/NDF: 3191184.1/108

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 81.830+/-0.454 χ^2/NDF: 4786.3/27

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -0.276+/-0.427 χ^2/NDF: 37812.7/32

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

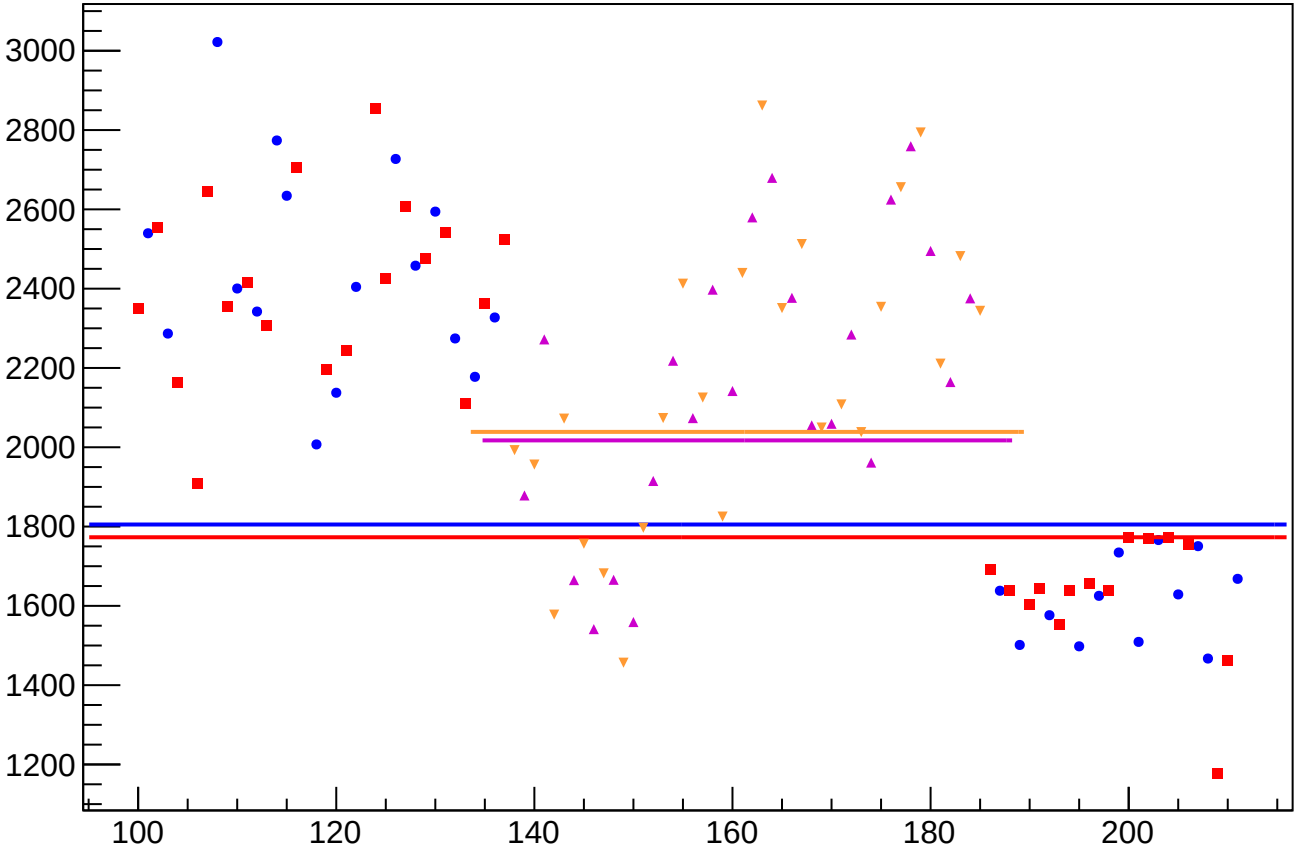
Right: 38.241+/-0.311 χ^2/NDF: 59962.9/60

In: 14.712+/-0.330 χ^2/NDF:59803.9/50

Out: 5.246+/-0.316 χ^2/NDF:39131.7/57

All: 9.779+/-0.228 χ^2/NDF: 99364.2/108

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1805.188+/-0.321 χ^2/NDF: 1296817.1/27

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1773.021+/-0.302 χ^2/NDF: 1580690.1/32

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

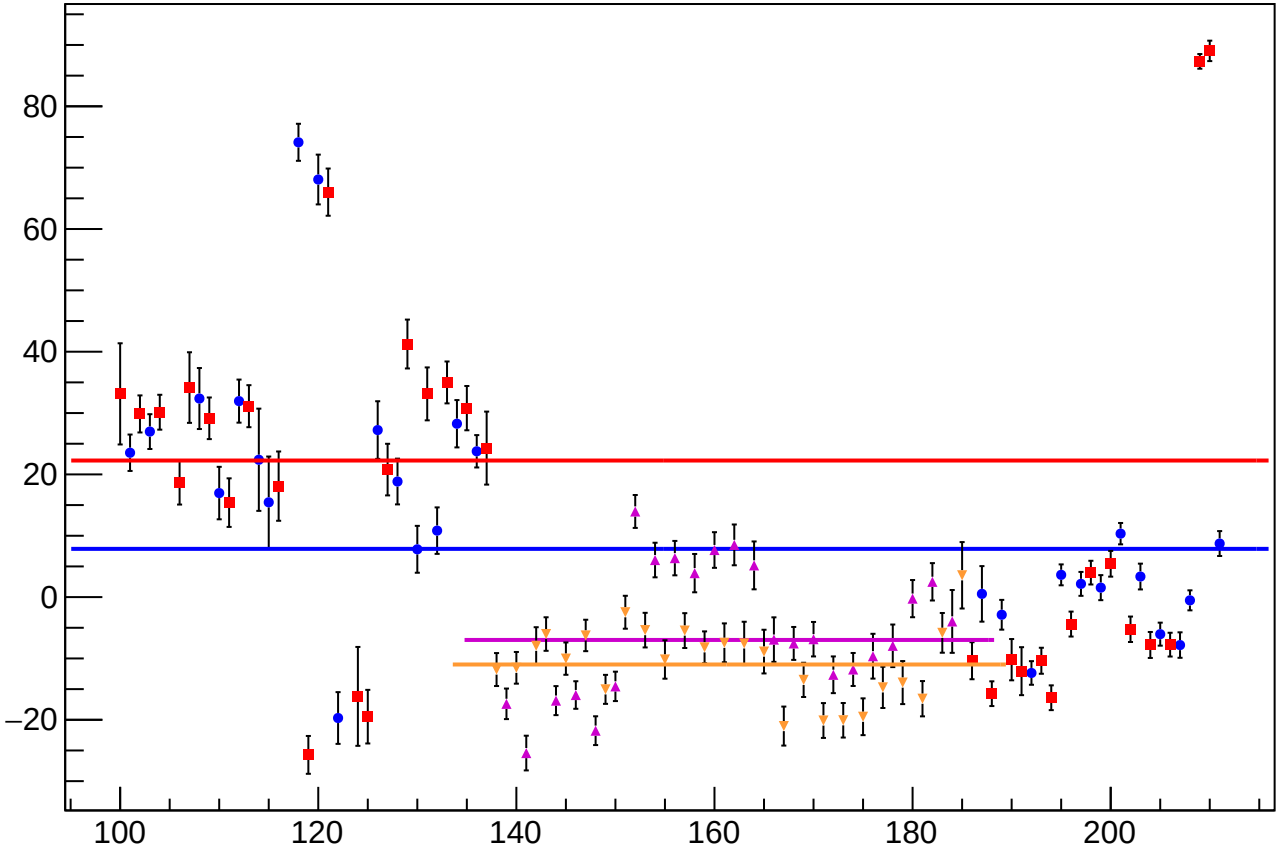
Right: 1788.111+/-0.220 χ^2/NDF: 2882837.6/60

In: 1905.157+/-0.233 χ^2/NDF:2552643.8/50

Out: 1892.689+/-0.224 χ^2/NDF:3053442.0/57

All: 1898.659+/-0.162 χ^2/NDF: 5607572.6/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 7.863+/-0.490 χ^2/NDF: 1291.2/27

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 22.263+/-0.460 χ^2/NDF: 7328.9/32

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

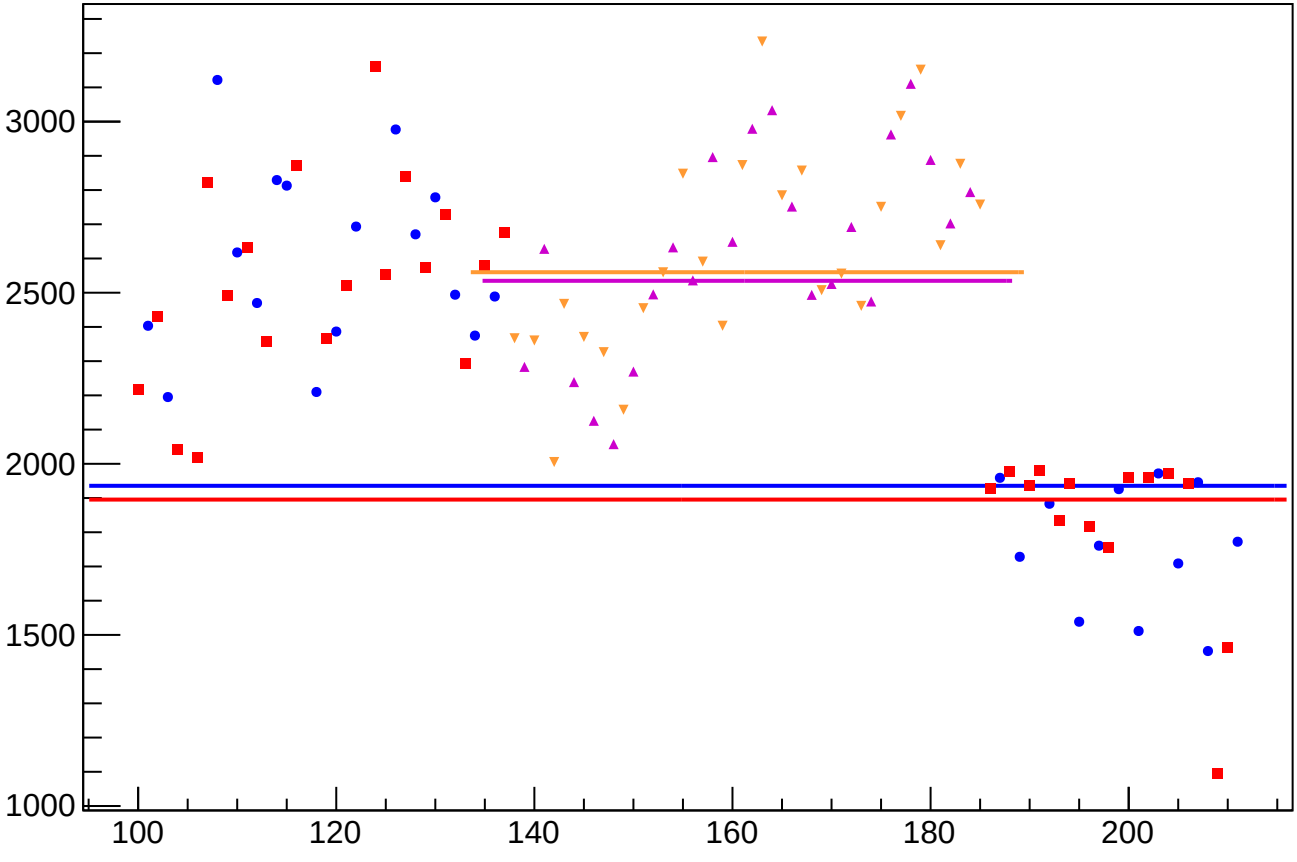
Right: 15.515+/-0.335 χ^2/NDF: 9079.1/60

In: 1.905+/-0.379 χ^2/NDF:1999.2/50

Out: 9.581+/-0.362 χ^2/NDF:9408.5/57

All: 5.922+/-0.262 χ^2/NDF: 11622.2/108

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1935.718+/-0.346 χ^2/NDF: 1342085.5/27

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1895.481+/-0.325 χ^2/NDF: 1972856.0/32

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

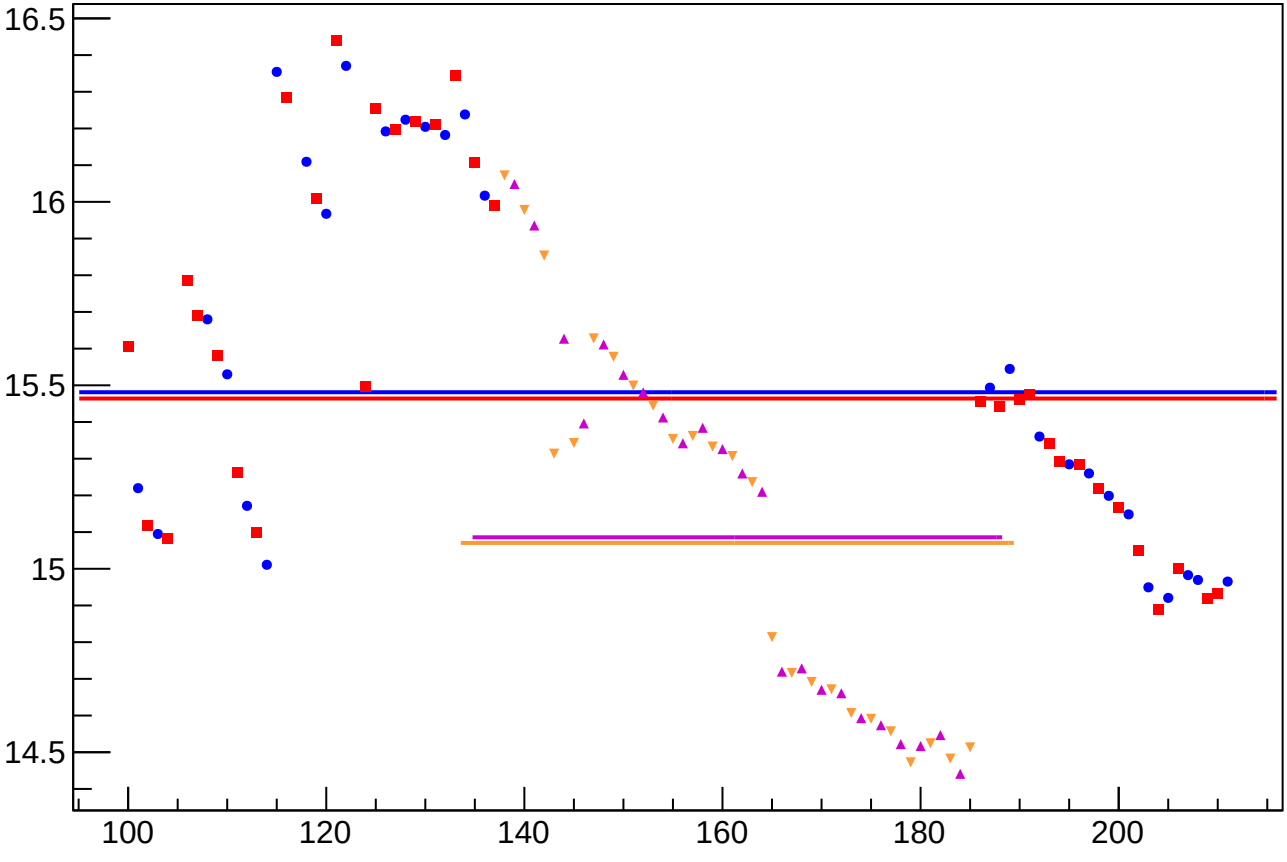
Right: 1914.337+/-0.237 χ^2/NDF: 3322110.3/60

In: 2176.088+/-0.268 χ^2/NDF:3005620.3/50

Out: 2148.924+/-0.256 χ^2/NDF:4014183.9/57

All: 2161.874+/-0.185 χ^2/NDF: 7025177.8/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.481+/-0.000 χ^2/NDF: 23011950468.5/27

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.464+/-0.000 χ^2/NDF: 21296737677.7/32

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

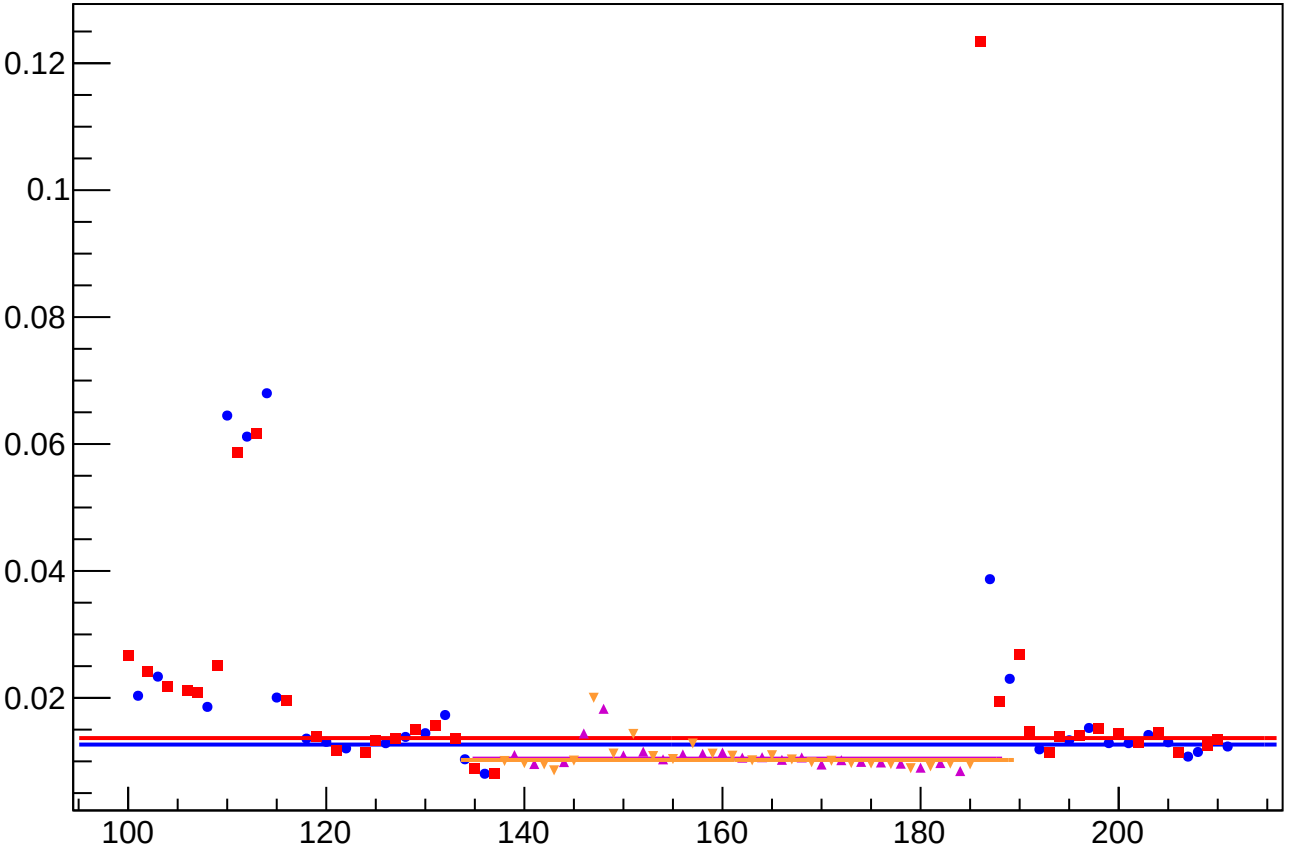
Right: 15.473+/-0.000 χ^2/NDF: 44321359304.5/60

In: 15.229+/-0.000 χ^2/NDF:71445798827.8/50

Out: 15.197+/-0.000 χ^2/NDF:73696150853.1/57

All: 15.213+/-0.000 χ^2/NDF: 145266270232.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2836627.9/27

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3355393.1/32

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

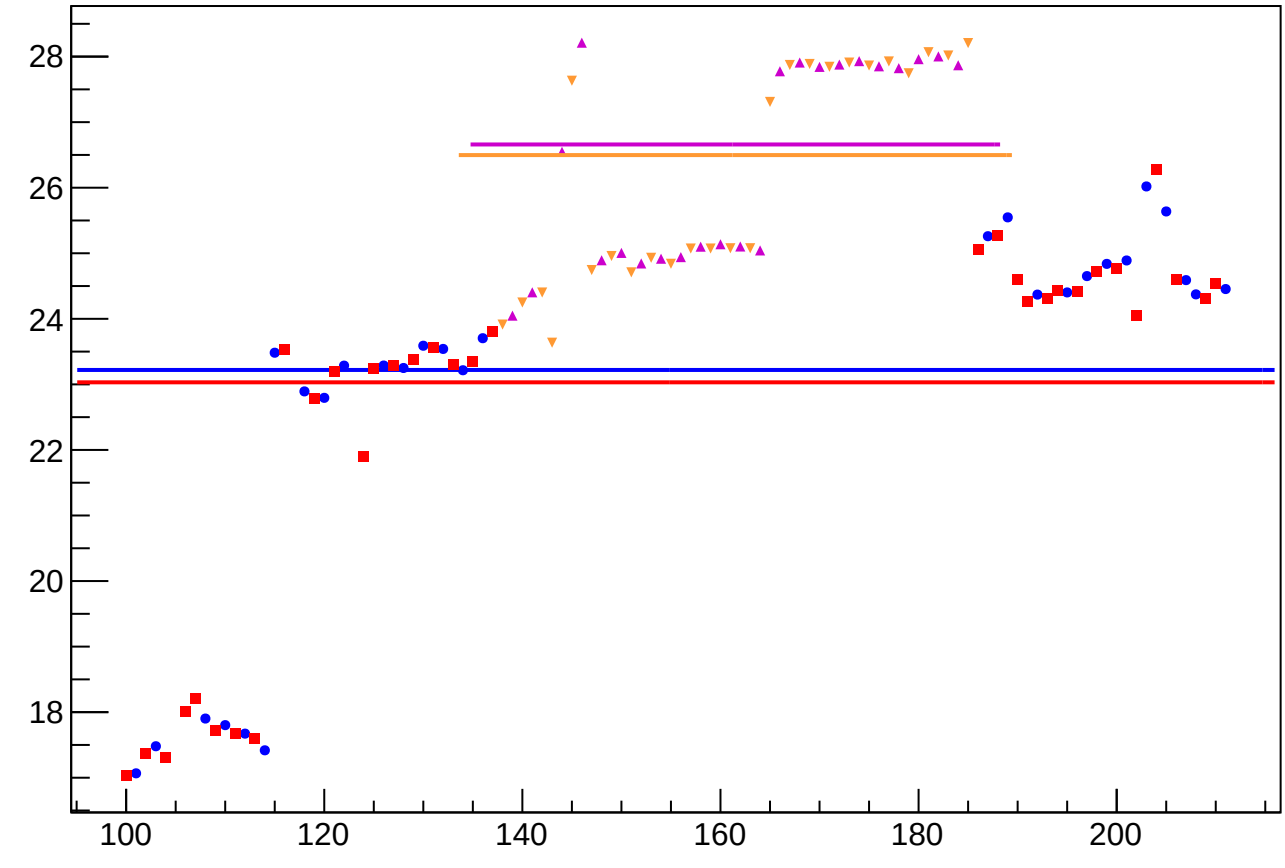
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6281815.1/60

In: 0.011+/-0.000 χ^2/NDF:3996291.3/50

Out: 0.011+/-0.000 χ^2/NDF:5450728.4/57

All: 0.011+/-0.000 χ^2/NDF: 9449522.0/108



Right In: 23.220+/-0.000 χ^2/NDF: 1612892082.4/27

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.031+/-0.000 χ^2/NDF: 1700764873.7/32

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

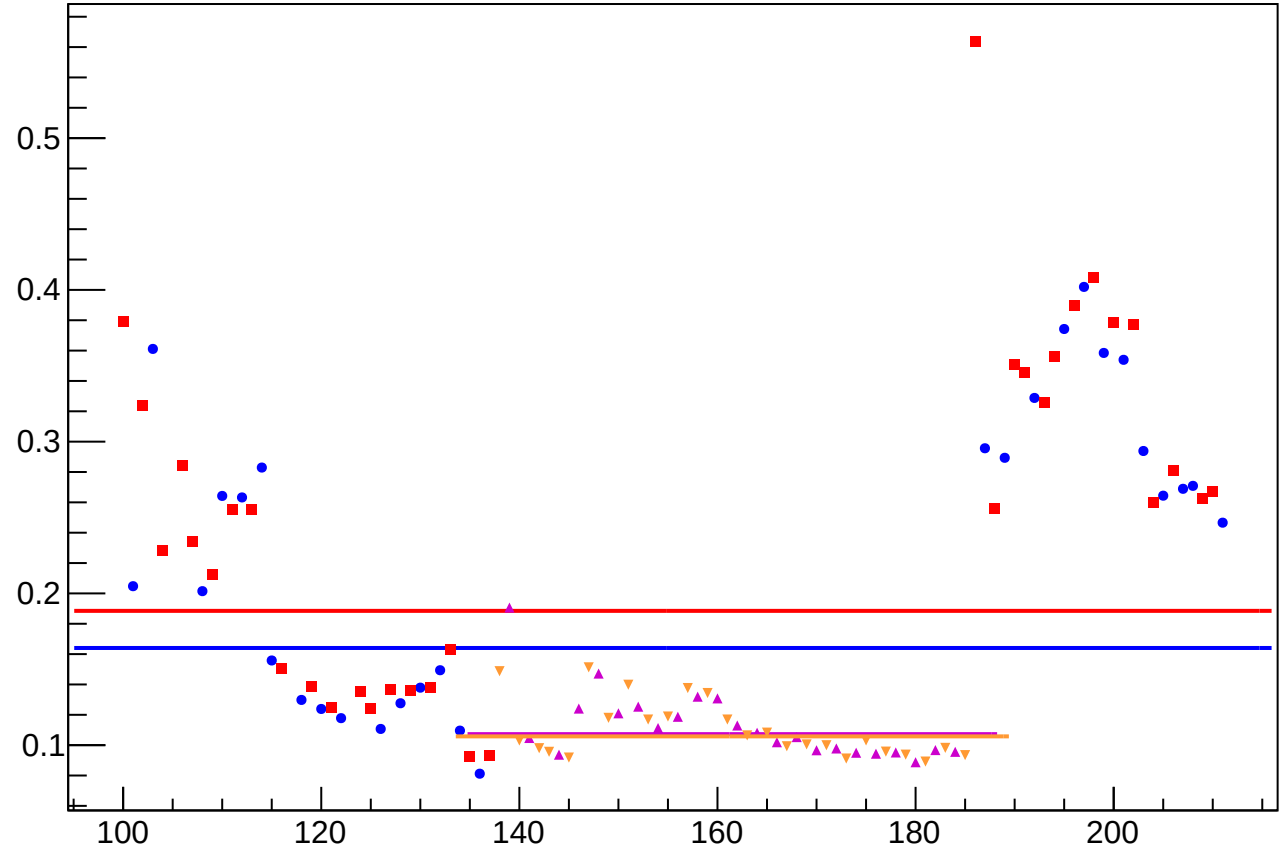
Right: 23.132+/-0.000 χ^2/NDF: 3320975957.6/60

In: 25.815+/-0.000 χ^2/NDF:8450834135.6/50

Out: 25.785+/-0.000 χ^2/NDF:9274730530.2/57

All: 25.800+/-0.000 χ^2/NDF: 17726405372.1

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.164+/-0.000 χ^2/NDF: 6903396.0/27

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.188+/-0.000 χ^2/NDF: 6497736.1/32

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

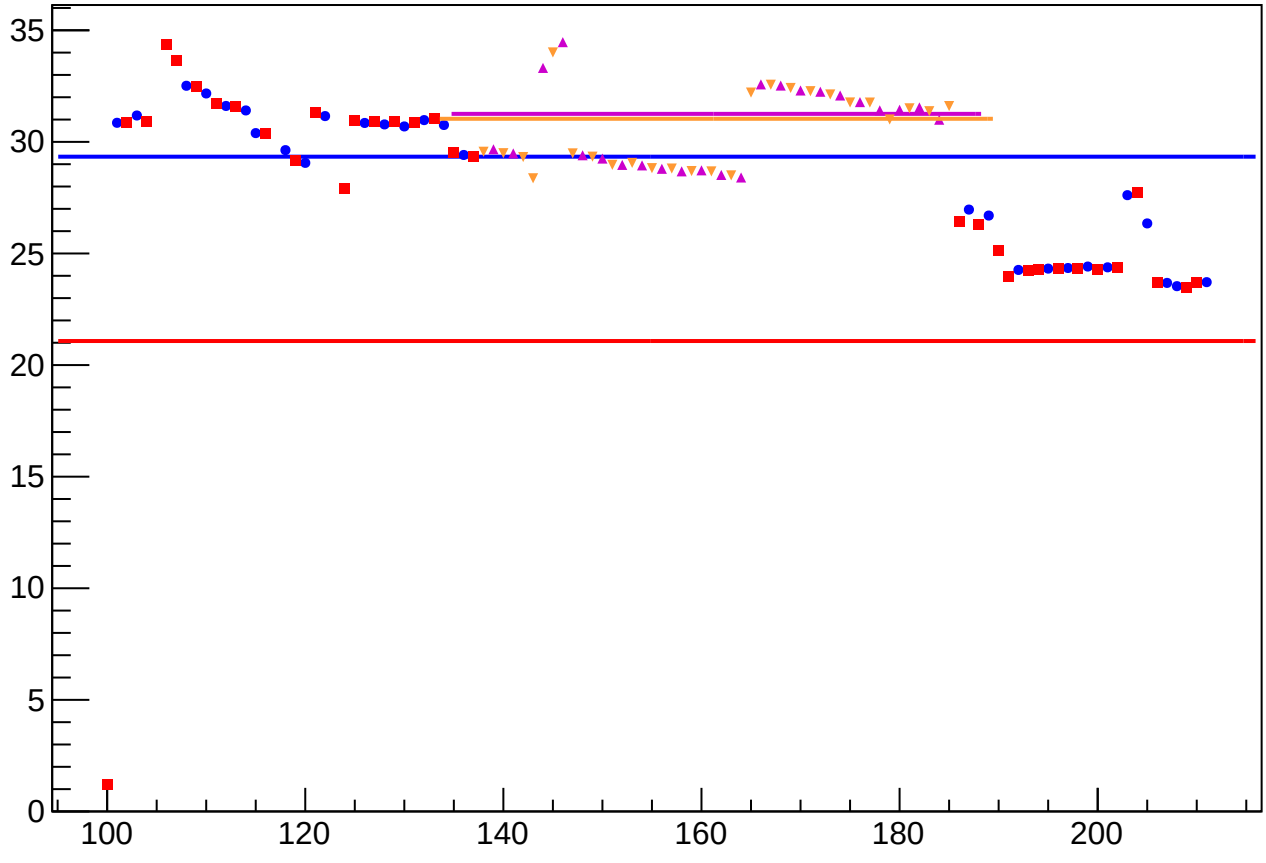
Right: 0.175+/-0.000 χ^2/NDF: 13647112.4/60

In: 0.121+/-0.000 χ^2/NDF:9915910.4/50

Out: 0.123+/-0.000 χ^2/NDF:11426752.1/57

All: 0.122+/-0.000 χ^2/NDF: 21347315.0/108

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.337+/-0.000 χ^2/NDF: 6557576926.3/27

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.078+/-0.000 χ^2/NDF: 226165004426.4/32

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

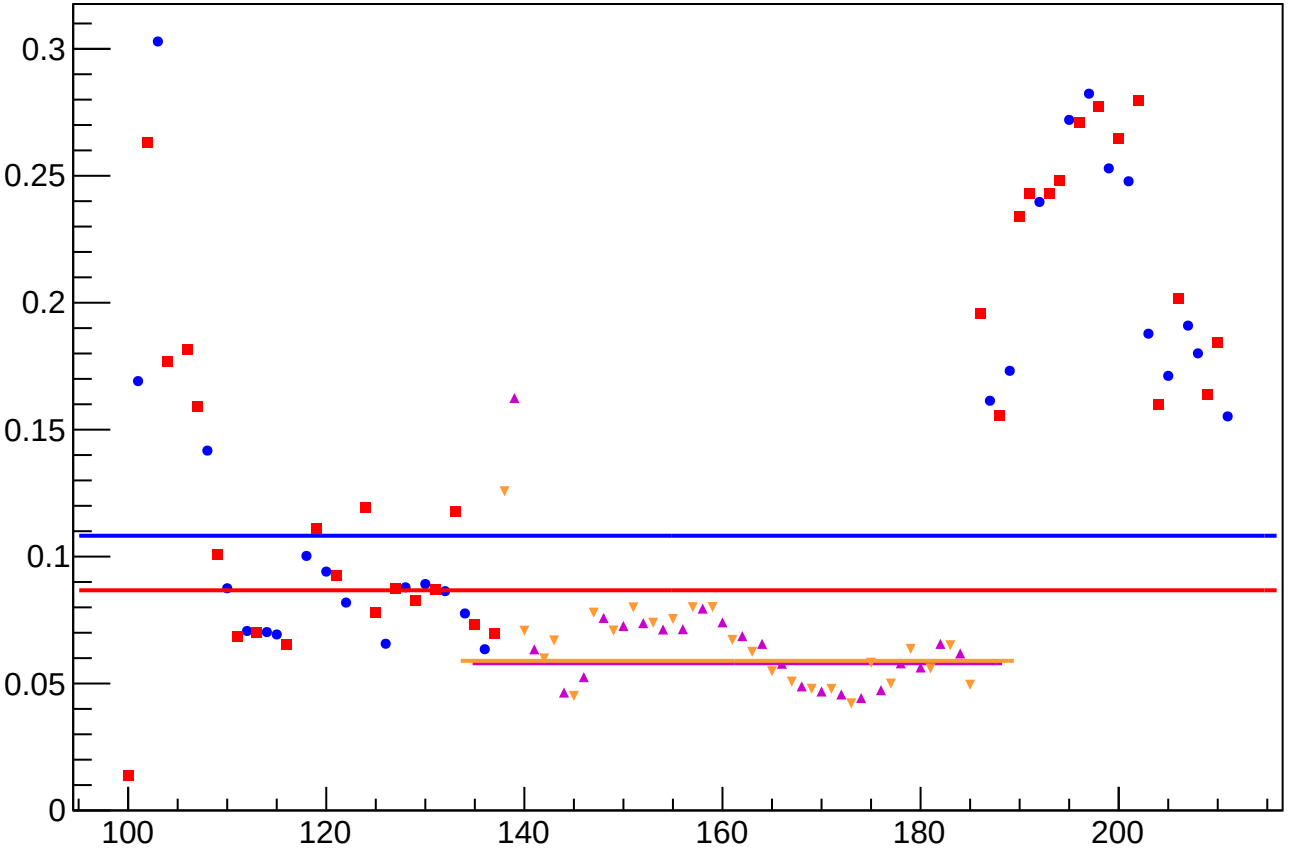
Right: 24.612+/-0.000 χ^2/NDF: 271491184380.5/60

In: 30.883+/-0.000 χ^2/NDF:22095472770.8/50

Out: 28.678+/-0.000 χ^2/NDF:338566219646.0/57

All: 29.730+/-0.000 χ^2/NDF: 373678055672.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.108+/-0.000 χ^2/NDF: 6582523.0/27

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 12789613.8/32

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

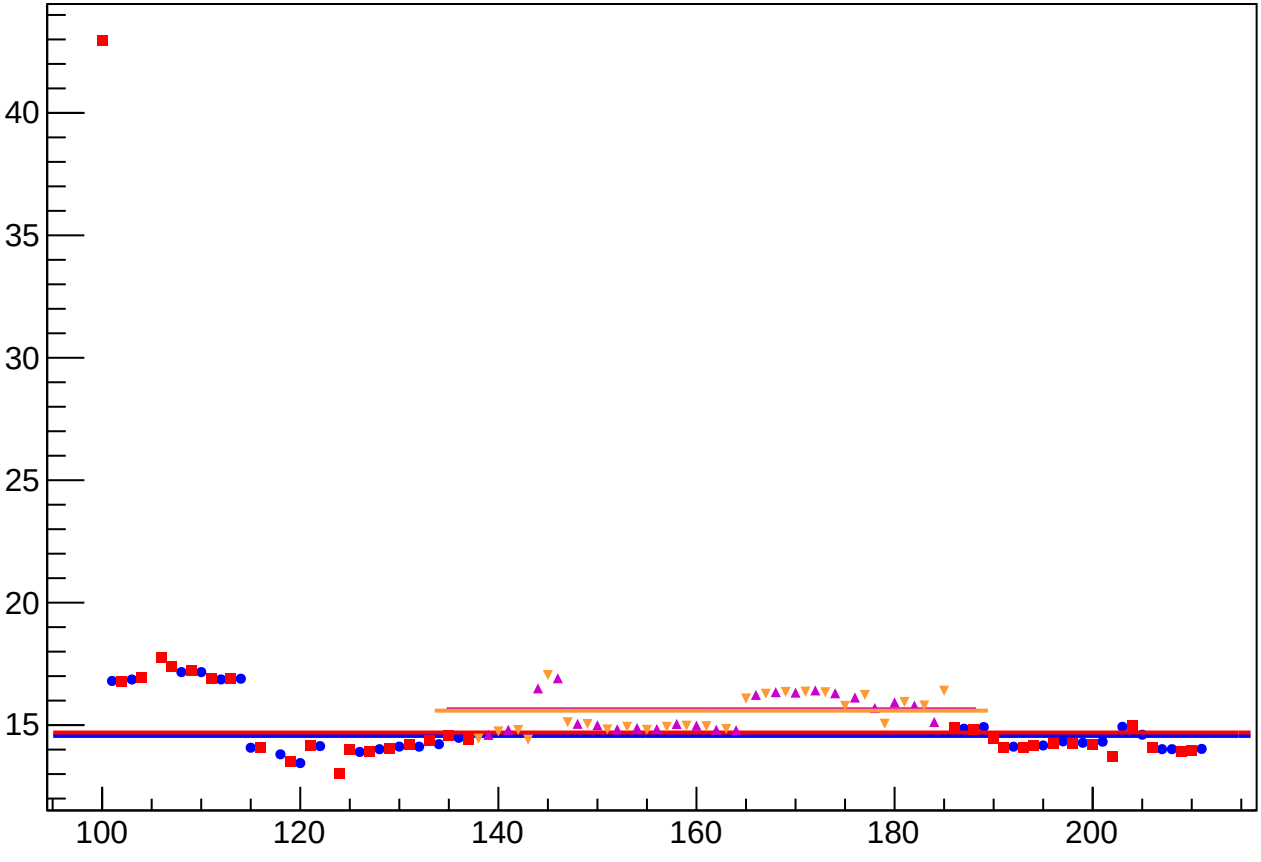
Right: 0.096+/-0.000 χ^2/NDF: 19896843.0/60

In: 0.068+/-0.000 χ^2/NDF:12338699.9/50

Out: 0.066+/-0.000 χ^2/NDF:15890789.5/57

All: 0.067+/-0.000 χ^2/NDF: 28255704.1/108

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.558+/-0.000 χ^2/NDF: 1254202469.0/27

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.698+/-0.000 χ^2/NDF: 1863687619.4/32

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

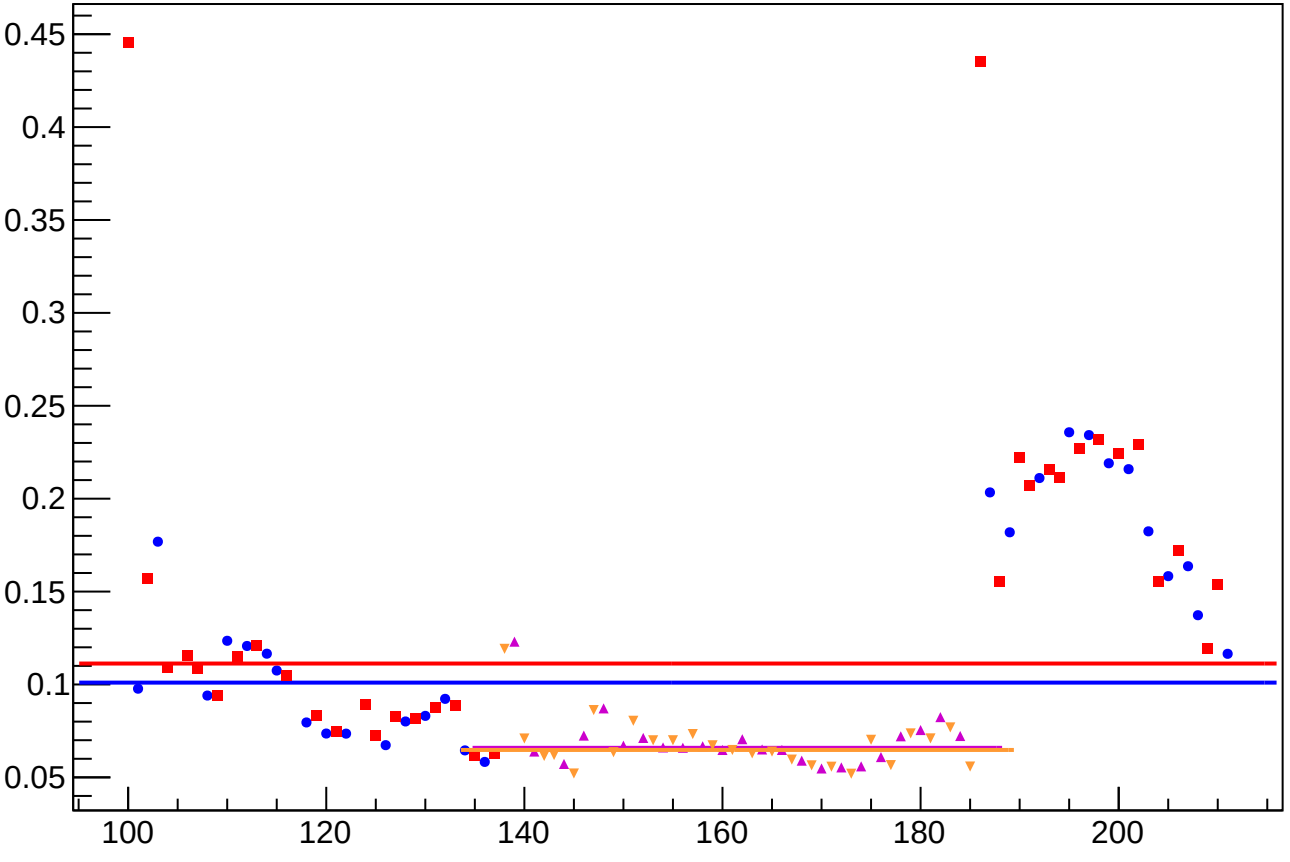
Right: 14.625+/-0.000 χ^2/NDF: 3129341458.4/60

In: 15.366+/-0.000 χ^2/NDF:4195853596.0/50

Out: 15.390+/-0.000 χ^2/NDF:4822017509.0/57

All: 15.379+/-0.000 χ^2/NDF: 9019330460.7/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.101+/-0.000 χ^2/NDF: 5596844.3/27

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.111+/-0.000 χ^2/NDF: 5671598.9/32

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

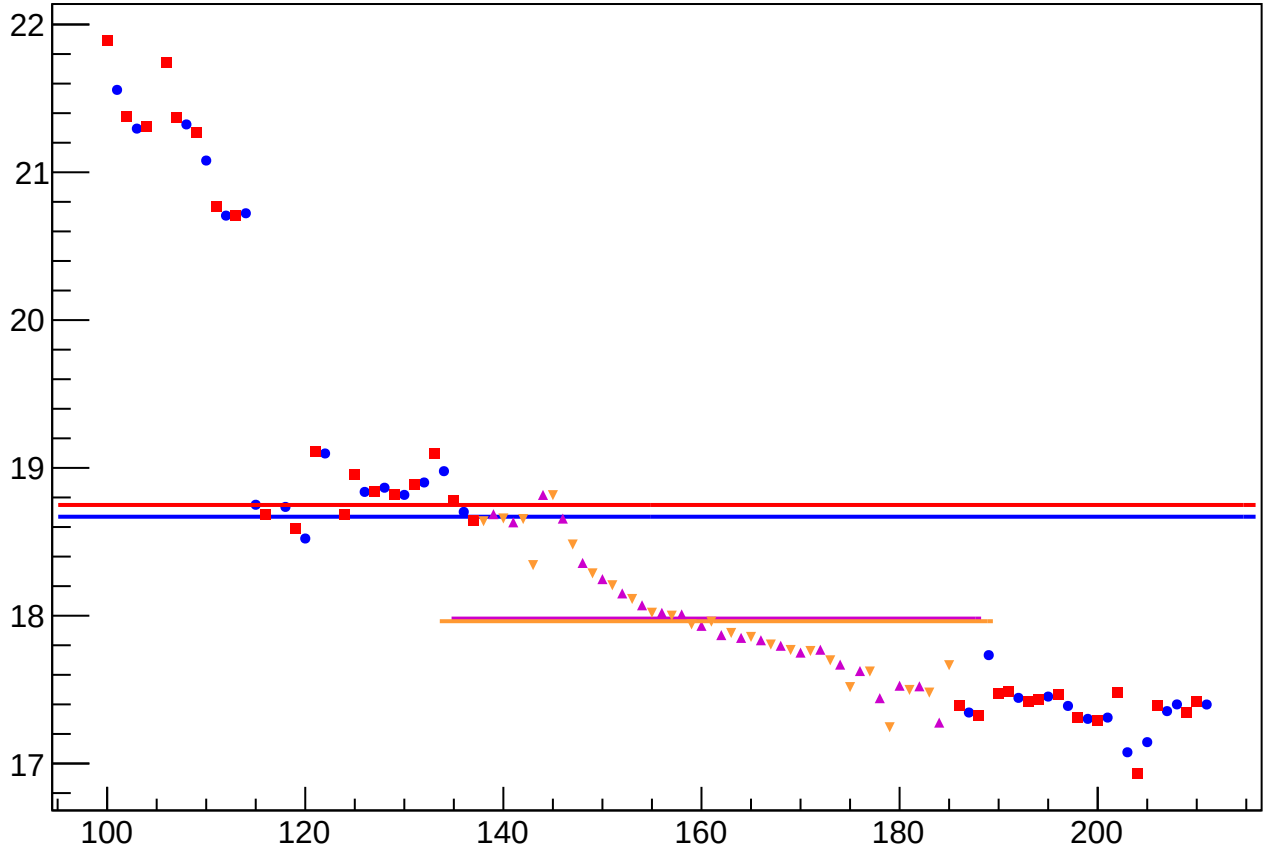
Right: 0.106+/-0.000 χ^2/NDF: 11392987.7/60

In: 0.075+/-0.000 χ^2/NDF:8647747.8/50

Out: 0.075+/-0.000 χ^2/NDF:10326215.3/57

All: 0.075+/-0.000 χ^2/NDF: 18974423.9/108

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.670+/-0.000 χ^2/NDF: 34062543854.2/27

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.749+/-0.000 χ^2/NDF: 36857695609.4/32

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

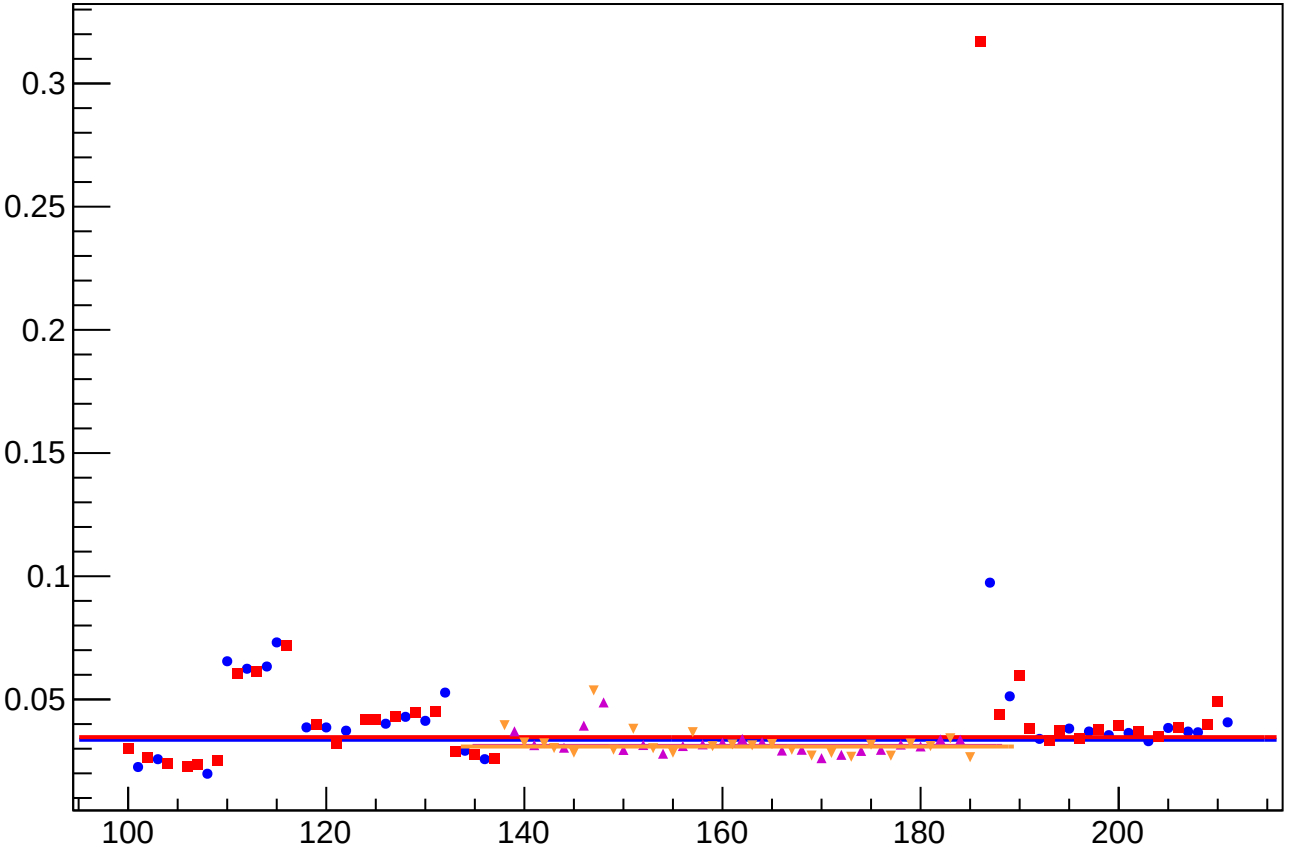
Right: 18.710+/-0.000 χ^2/NDF: 70961571446.4/60

In: 18.270+/-0.000 χ^2/NDF:40354307605.9/50

Out: 18.282+/-0.000 χ^2/NDF:44723465207.0/57

All: 18.277+/-0.000 χ^2/NDF: 85080057797.7

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 2011255.9/27

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.035+/-0.000 χ^2/NDF: 2437618.8/32

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

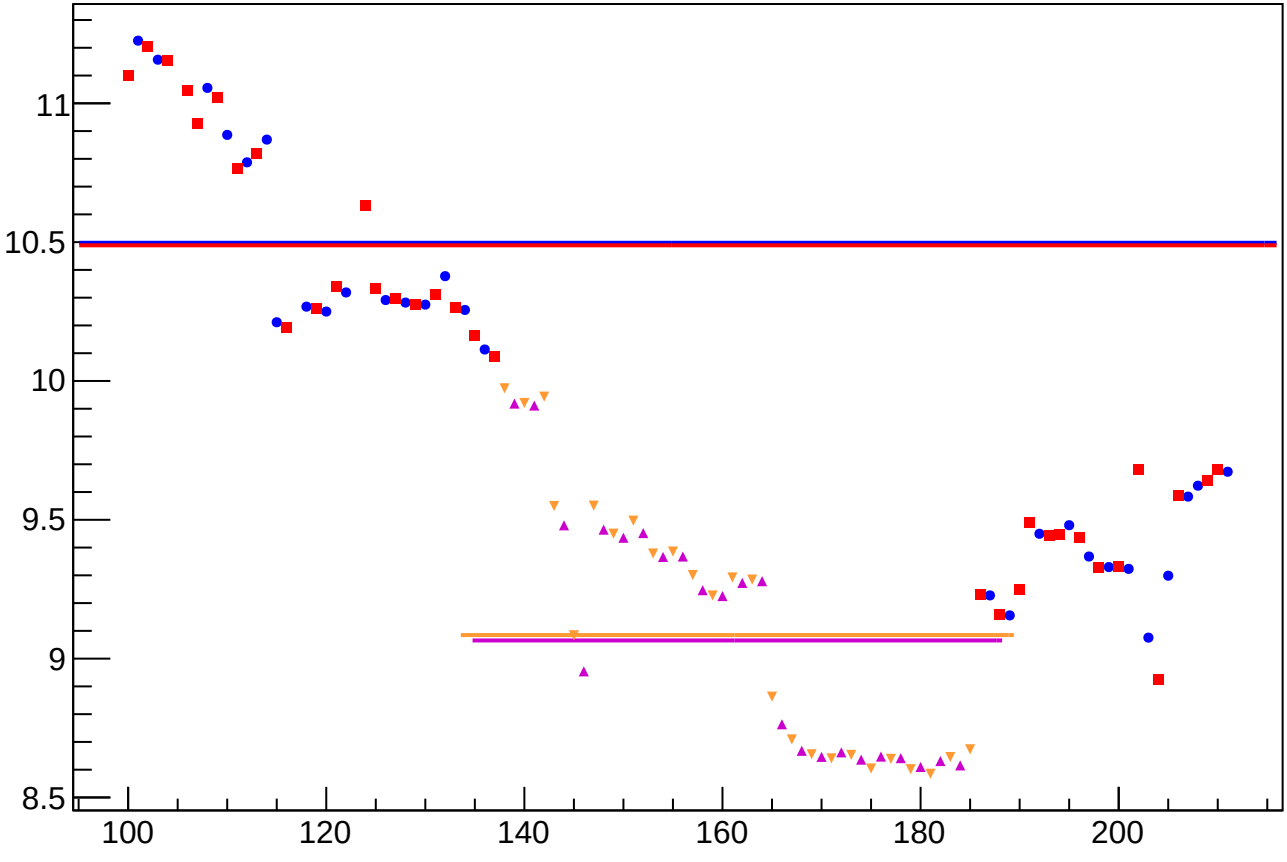
Right: 0.034+/-0.000 χ^2/NDF: 4463580.9/60

In: 0.032+/-0.000 χ^2/NDF:2587897.7/50

Out: 0.032+/-0.000 χ^2/NDF:3296917.4/57

All: 0.032+/-0.000 χ^2/NDF: 5886779.0/108

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.498+/-0.000 χ^2/NDF: 14598175355.1/27

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.489+/-0.000 χ^2/NDF: 13571477093.1/32

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

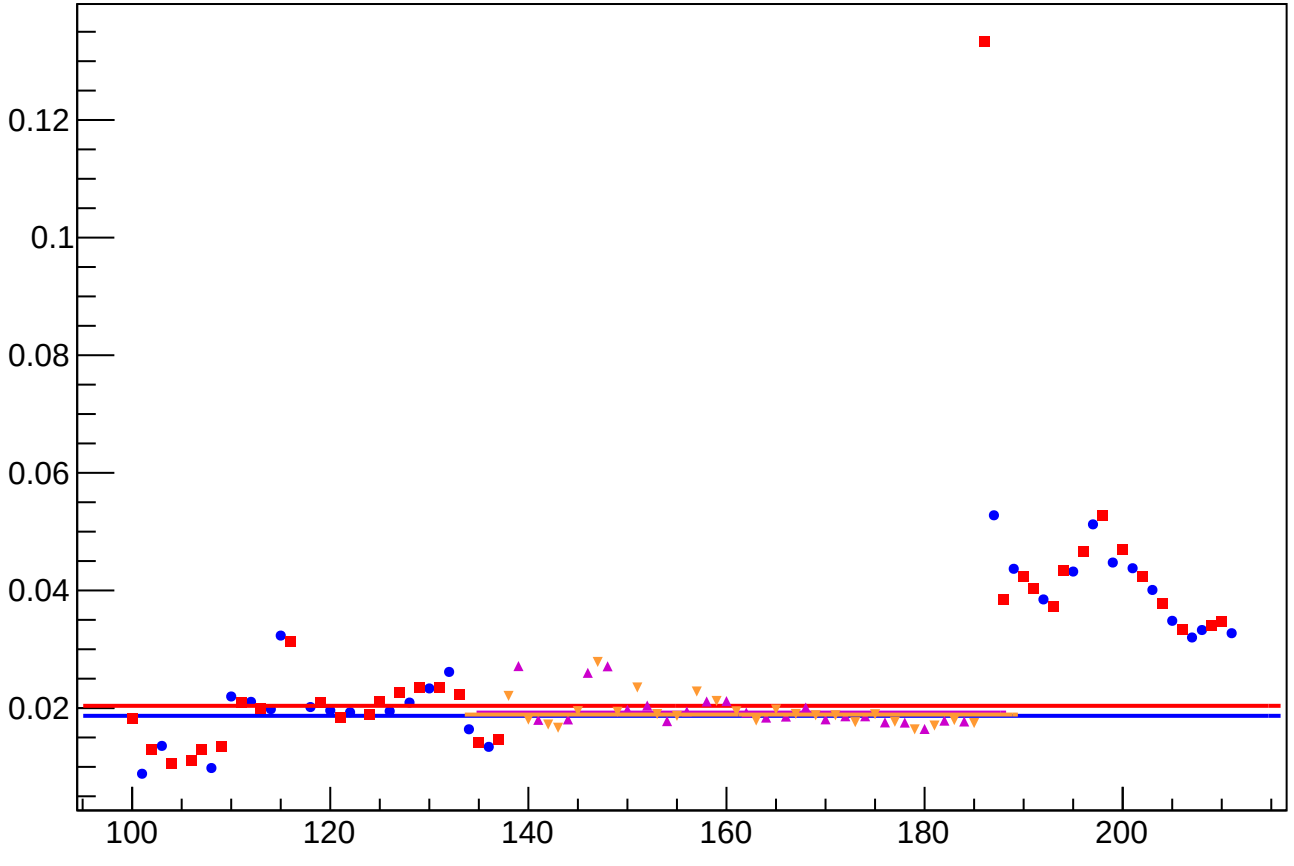
Right: 10.493+/-0.000 χ^2/NDF: 28171024158.1/60

In: 9.681+/-0.000 χ^2/NDF:62144550543.8/50

Out: 9.636+/-0.000 χ^2/NDF:61929822733.0/57

All: 9.658+/-0.000 χ^2/NDF: 124153325586.6

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 7584056.2/27

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7696822.5/32

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

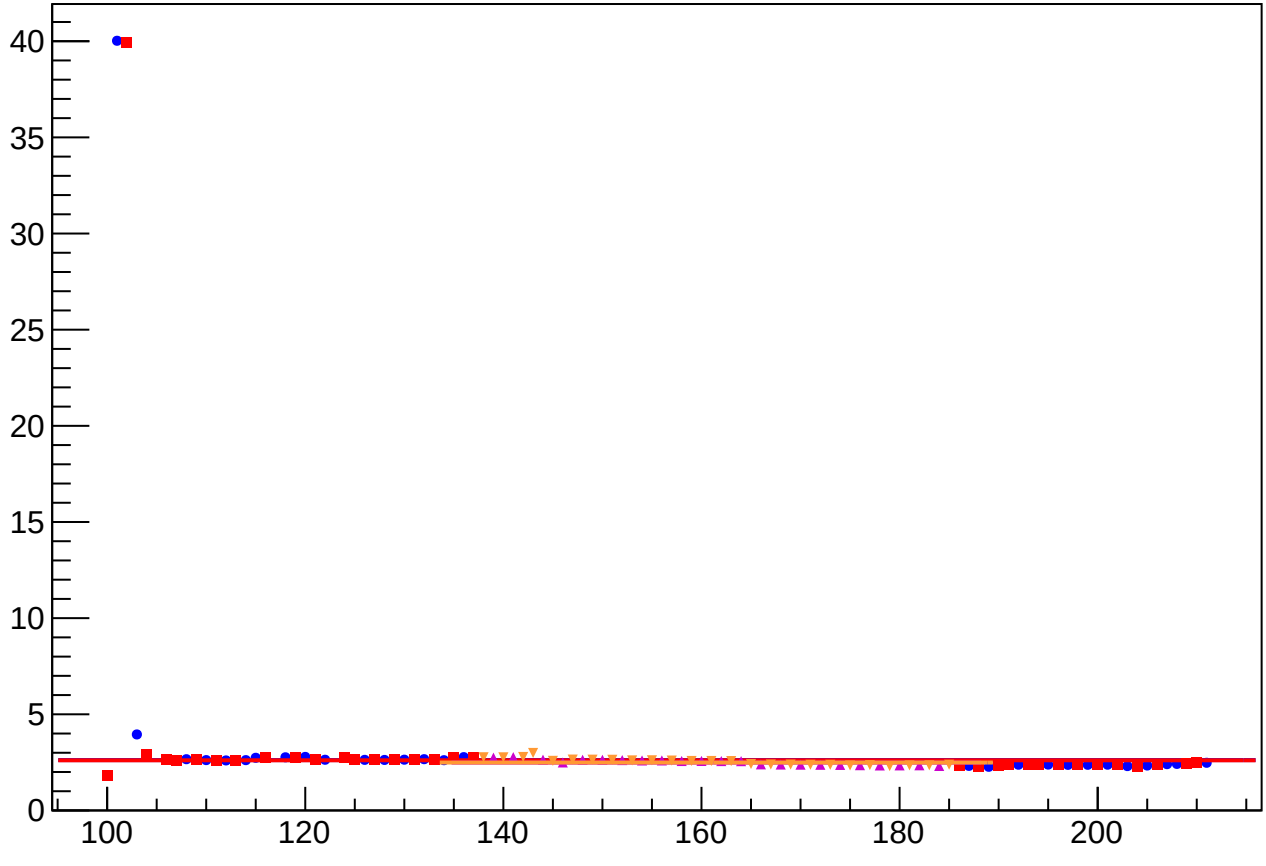
Right: 0.020+/-0.000 χ^2/NDF: 15375799.2/60

In: 0.019+/-0.000 χ^2/NDF:8136619.1/50

Out: 0.019+/-0.000 χ^2/NDF:8223870.3/57

All: 0.019+/-0.000 χ^2/NDF: 16379205.6/108

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.620+/-0.000 χ^2/NDF: 86659241809.0/27

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.609+/-0.000 χ^2/NDF: 84969631214.6/32

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

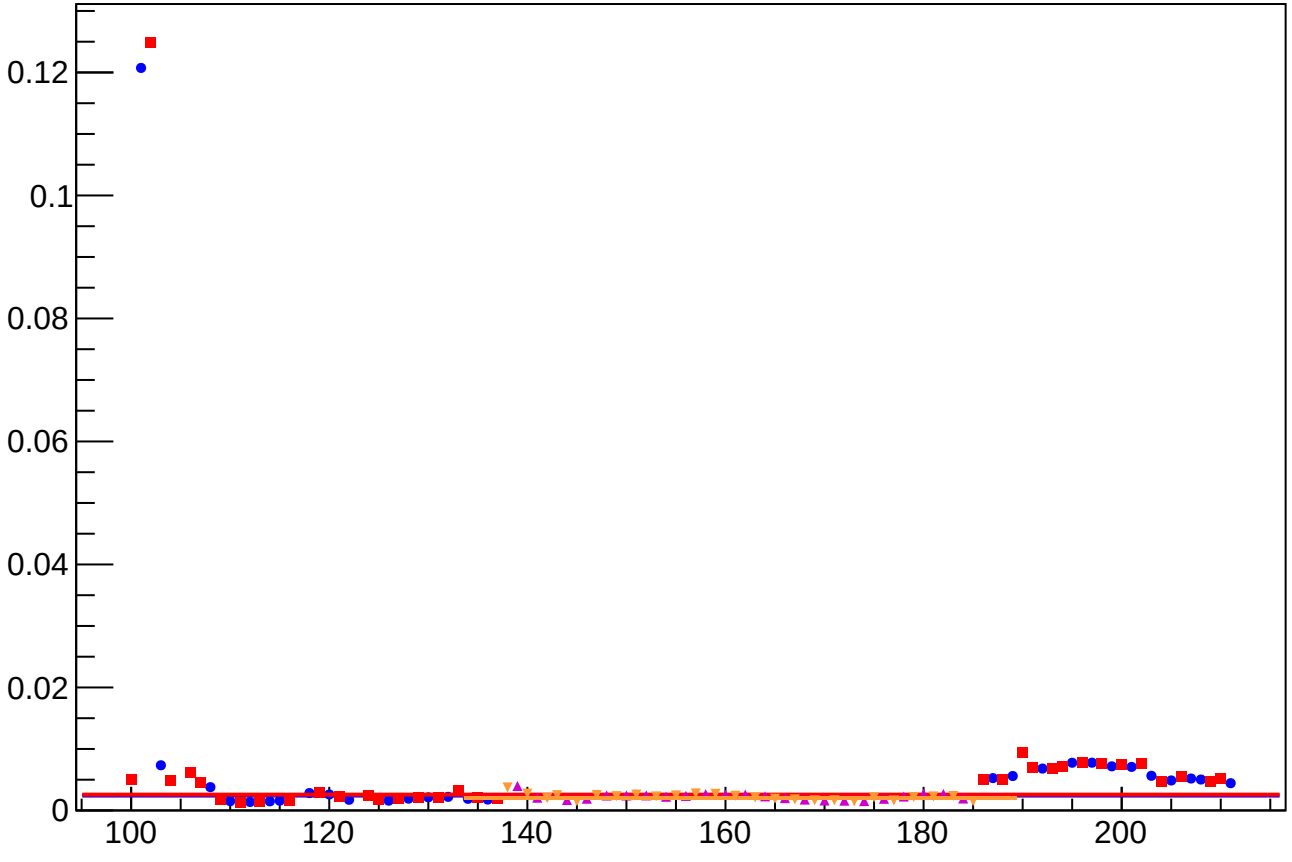
Right: 2.614+/-0.000 χ^2/NDF: 171734210902.7/60

In: 2.532+/-0.000 χ^2/NDF:167510720837.6/50

Out: 2.528+/-0.000 χ^2/NDF:193391169787.8/57

All: 2.530+/-0.000 χ^2/NDF: 360956427546.9

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9329291.9/27

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10839932.4/32

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

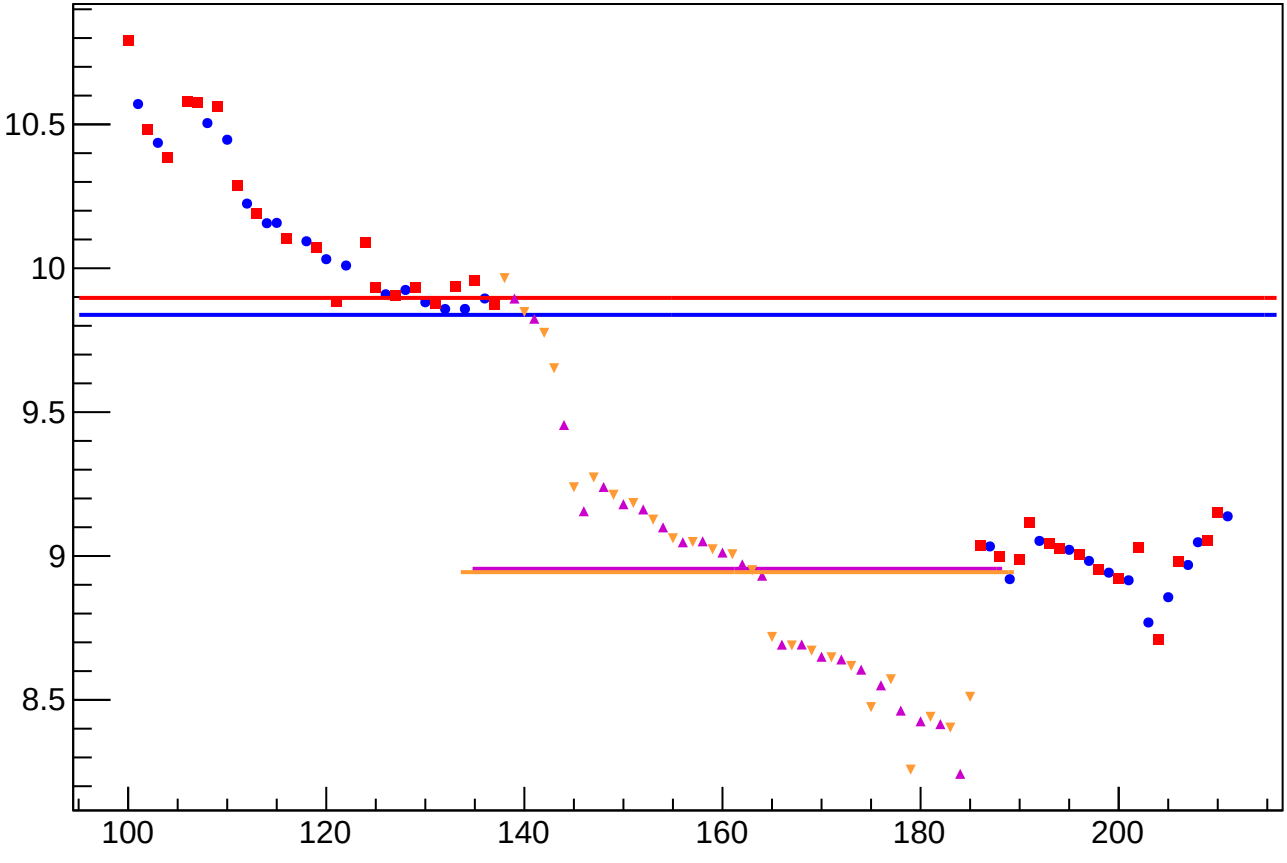
Right: 0.002+/-0.000 χ^2/NDF: 20206585.9/60

In: 0.002+/-0.000 χ^2/NDF:11024152.1/50

Out: 0.002+/-0.000 χ^2/NDF:13097570.1/57

All: 0.002+/-0.000 χ^2/NDF: 24122130.9/108

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.838+/-0.000 χ^2/NDF: 67527093013.6/27

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.897+/-0.000 χ^2/NDF: 72460460090.7/32

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

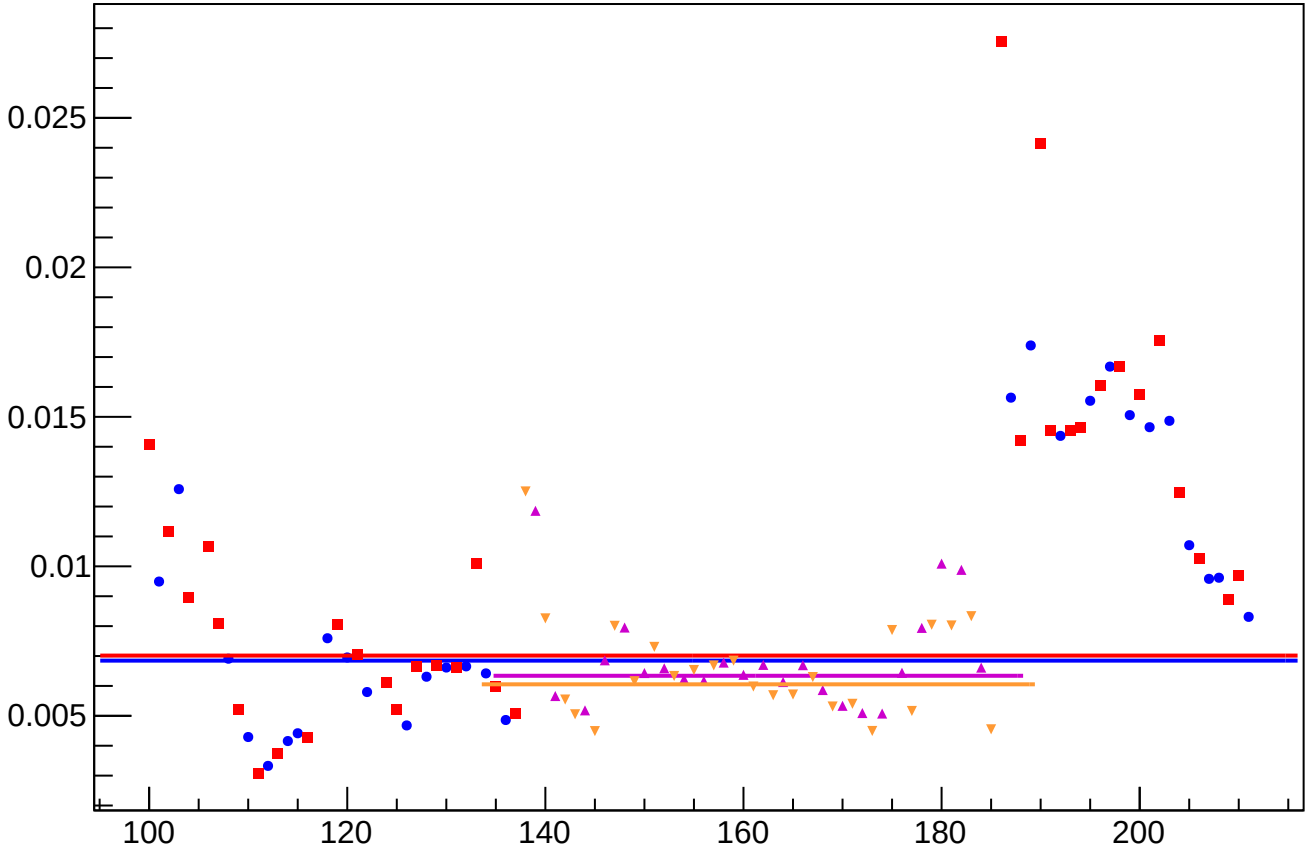
Right: 9.868+/-0.000 χ^2/NDF: 140432520300.0/60

In: 9.320+/-0.000 χ^2/NDF:235491845725.0/50

Out: 9.308+/-0.000 χ^2/NDF:282712940272.1/57

All: 9.313+/-0.000 χ^2/NDF: 518252586470.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6302683.0/27

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8164506.8/32

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

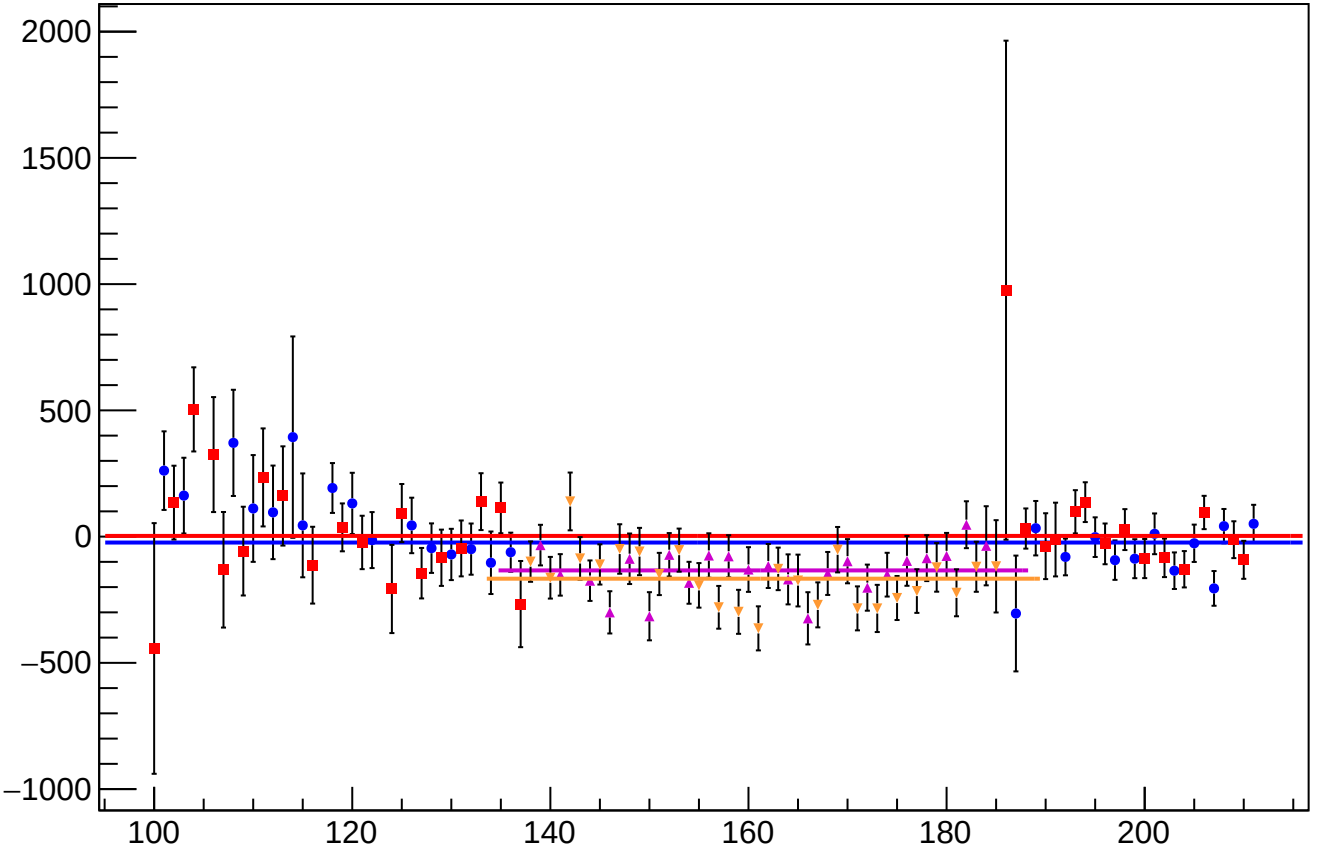
Right: 0.007+/-0.000 χ^2/NDF: 14474479.1/60

In: 0.007+/-0.000 χ^2/NDF:7554663.8/50

Out: 0.006+/-0.000 χ^2/NDF:9919245.1/57

All: 0.006+/-0.000 χ^2/NDF: 17484477.6/108

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 2.745+/-18.167 χ^2/NDF: 41.4/32

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

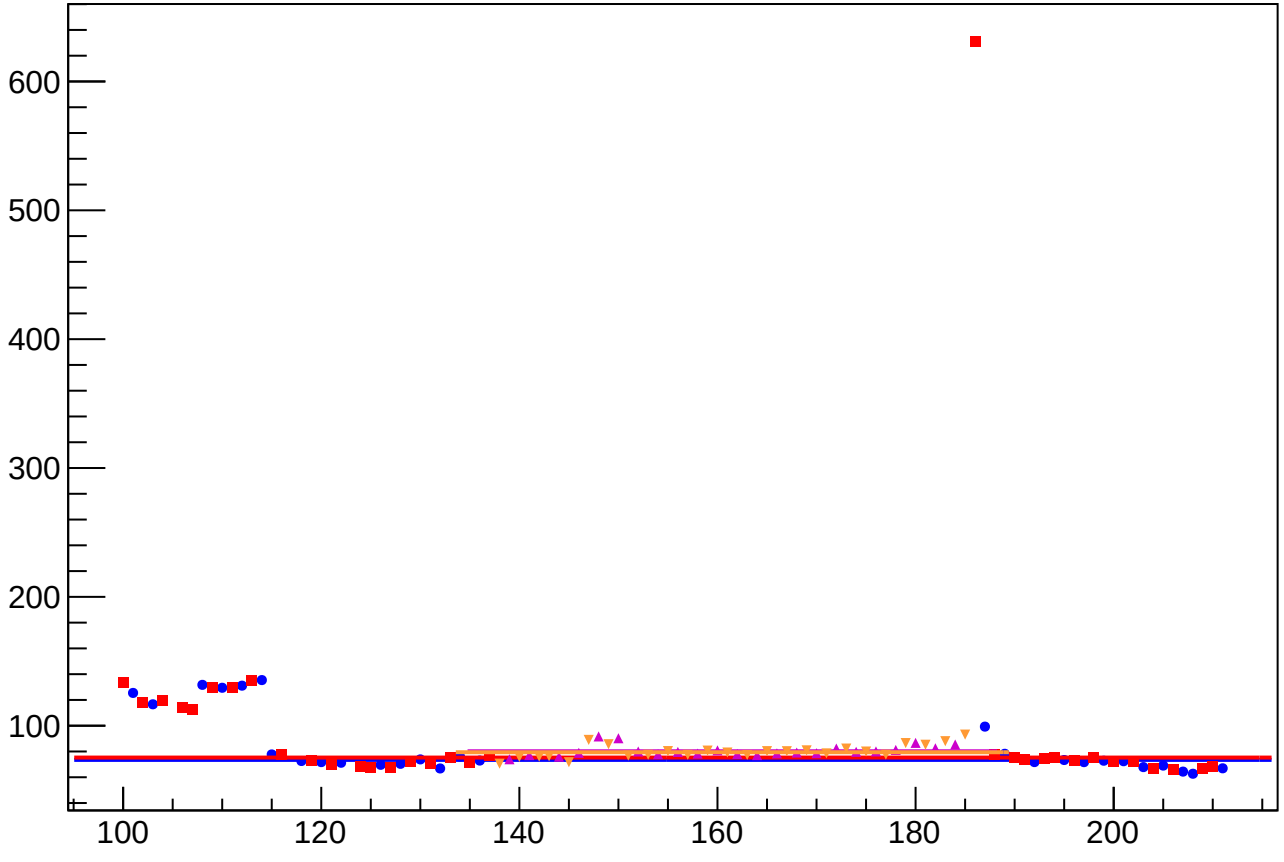
Right: -10.246+/-12.906 χ^2/NDF: 76.0/60

In: -77.418+/-13.112 χ^2/NDF:72.1/50

Out: -82.377+/-12.815 χ^2/NDF:116.7/57

All: -79.954+/-9.165 χ^2/NDF: 188.9/108

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.7/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 75.278+/-0.013 χ^2/NDF: 1774862.3/32

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

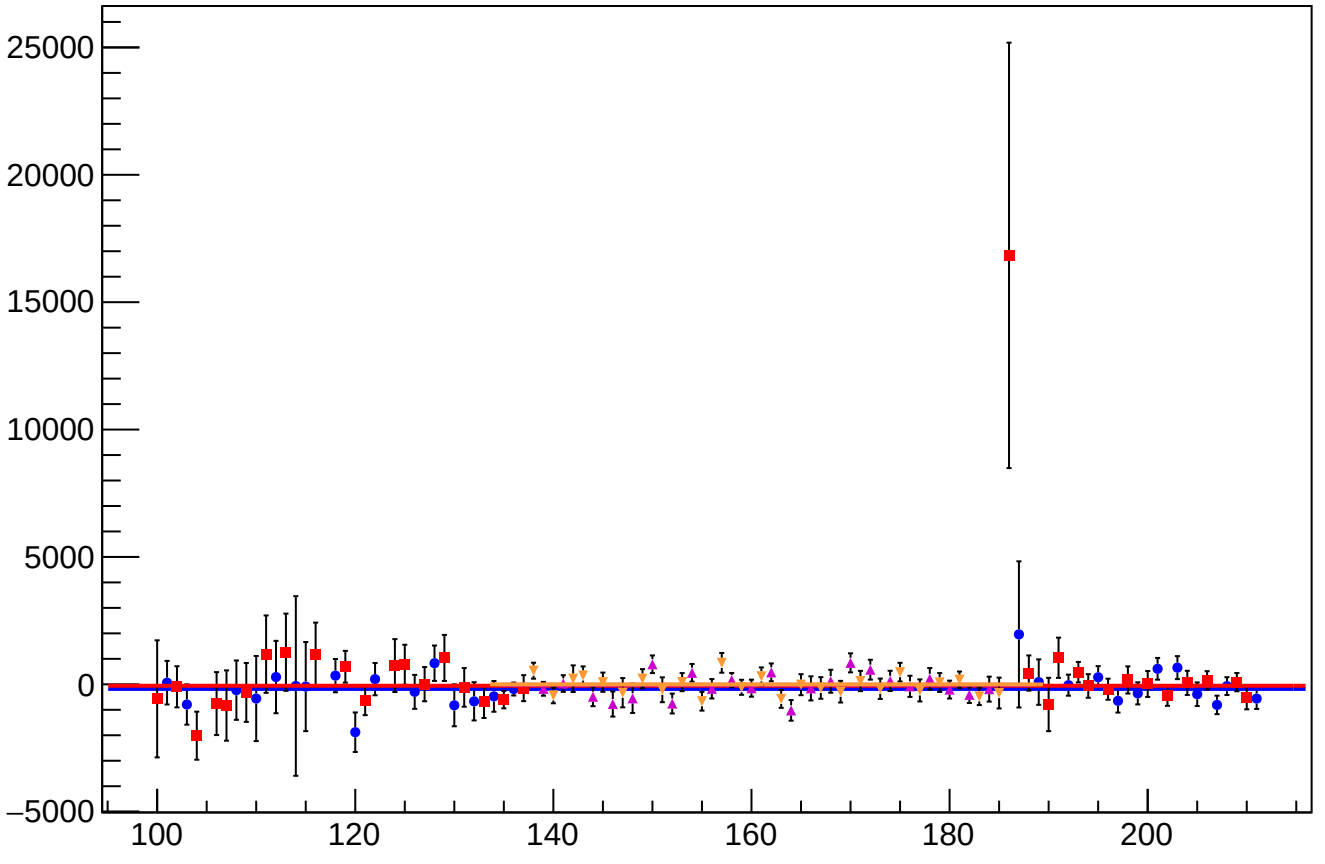
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 74.383+/-0.009 χ^2/NDF: 2875510.4/60

In: 76.740+/-0.009 χ^2/NDF:1312394.8/50

Out: 77.354+/-0.009 χ^2/NDF:1961655.7/57

All: 77.054+/-0.006 χ^2/NDF: 3276295.4/108



Right In: -180.561+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -56.683+/-102.941 χ^2/NDF: 28.3/32

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

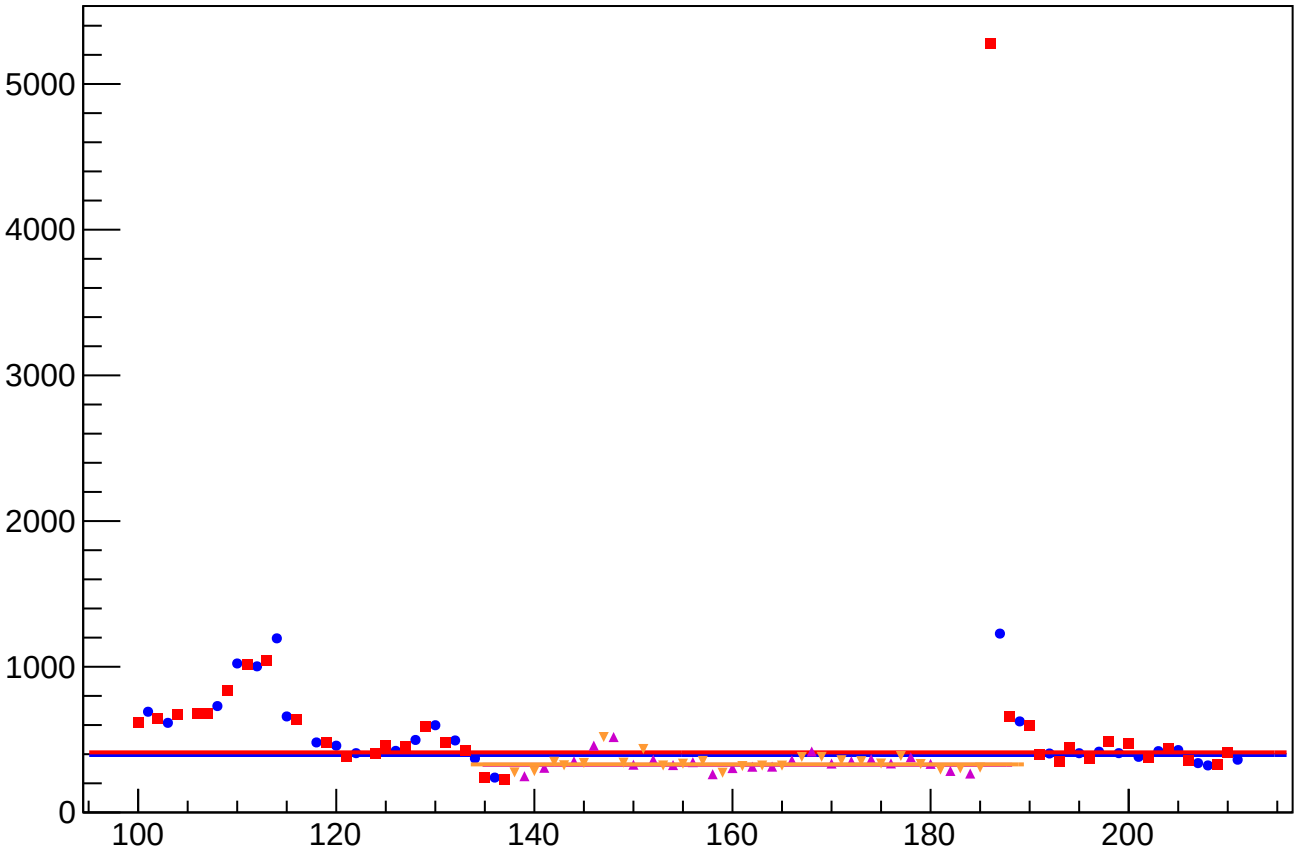
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -119.362+/-72.354 χ^2/NDF: 53.1/60

In: -78.568+/-61.666 χ^2/NDF:60.7/50

Out: -22.201+/-61.070 χ^2/NDF:52.5/57

All: -50.111+/-43.392 χ^2/NDF: 113.6/108



Right In: 394.518+/-0.072 χ^2/NDF: 2839908.7/27

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 412.476+/-0.073 χ^2/NDF: 3715362.9/32

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

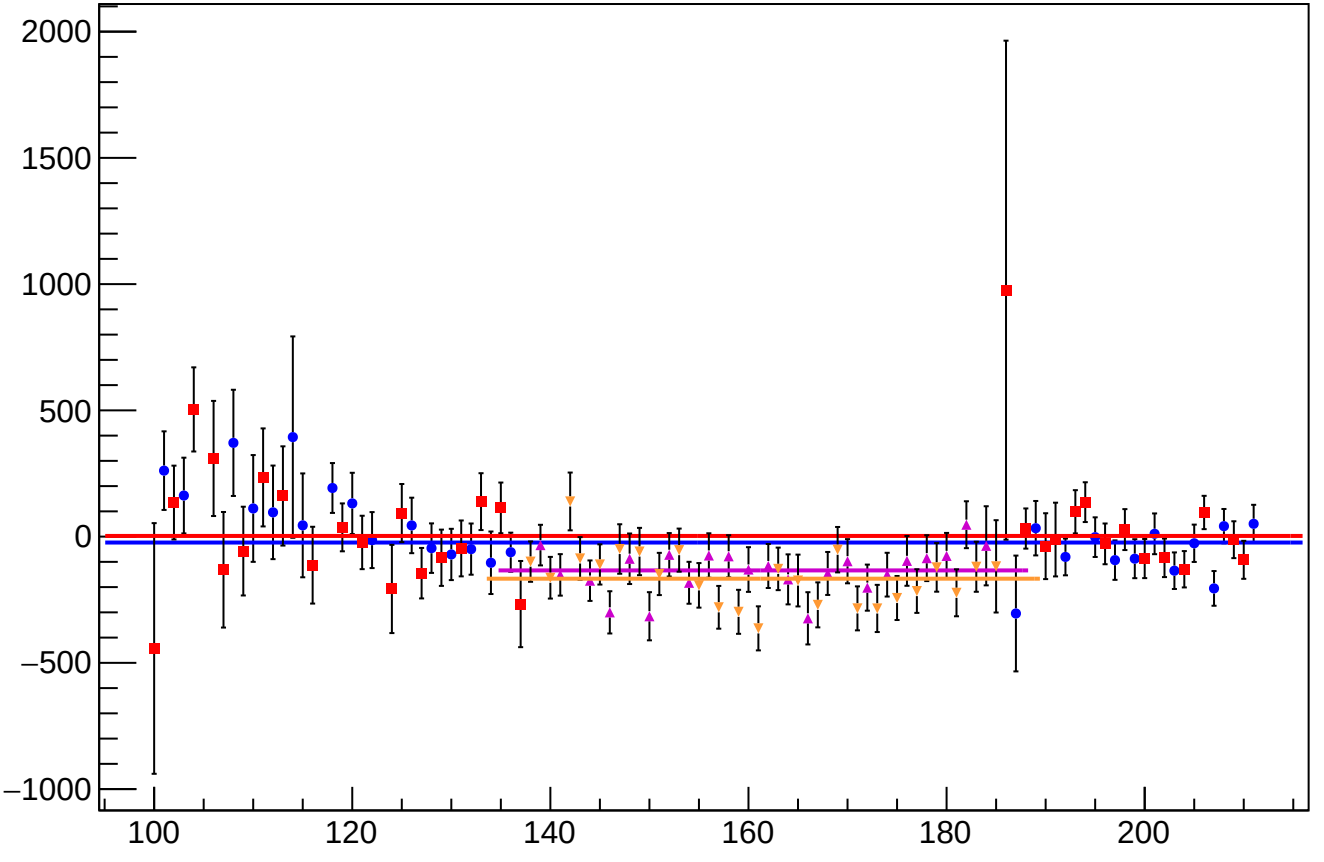
Right: 403.390+/-0.051 χ^2/NDF: 6586067.0/60

In: 351.792+/-0.044 χ^2/NDF:4297172.1/50

Out: 359.007+/-0.043 χ^2/NDF:5207242.0/57

All: 355.435+/-0.031 χ^2/NDF: 9518236.1/108

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 2.641+/-18.167 χ^2/NDF: 41.2/32

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

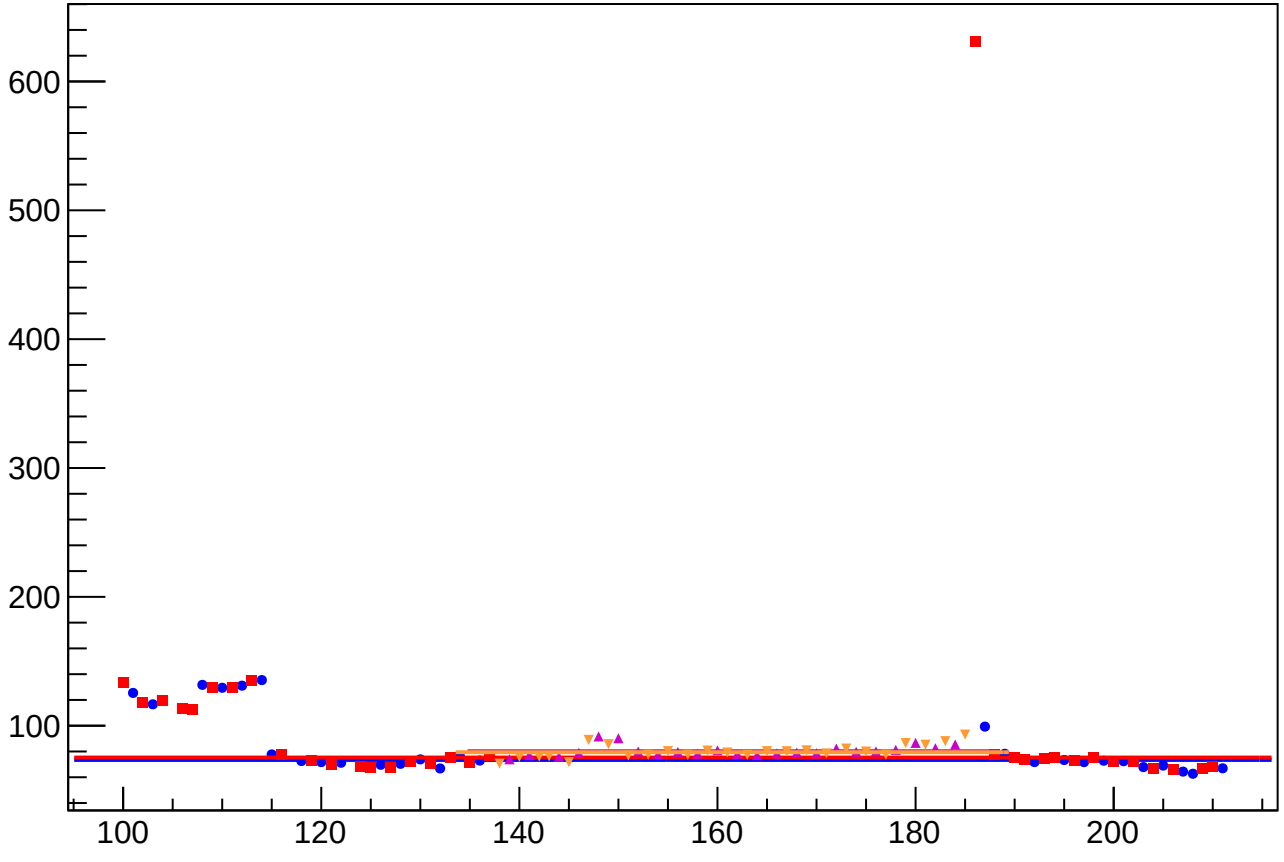
Right: -10.299+/-12.906 χ^2/NDF: 75.8/60

In: -77.421+/-13.112 χ^2/NDF:72.1/50

Out: -82.429+/-12.815 χ^2/NDF:116.5/57

All: -79.983+/-9.165 χ^2/NDF: 188.6/108

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.9/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.272+/-0.013 χ^2/NDF: 1772567.2/32

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

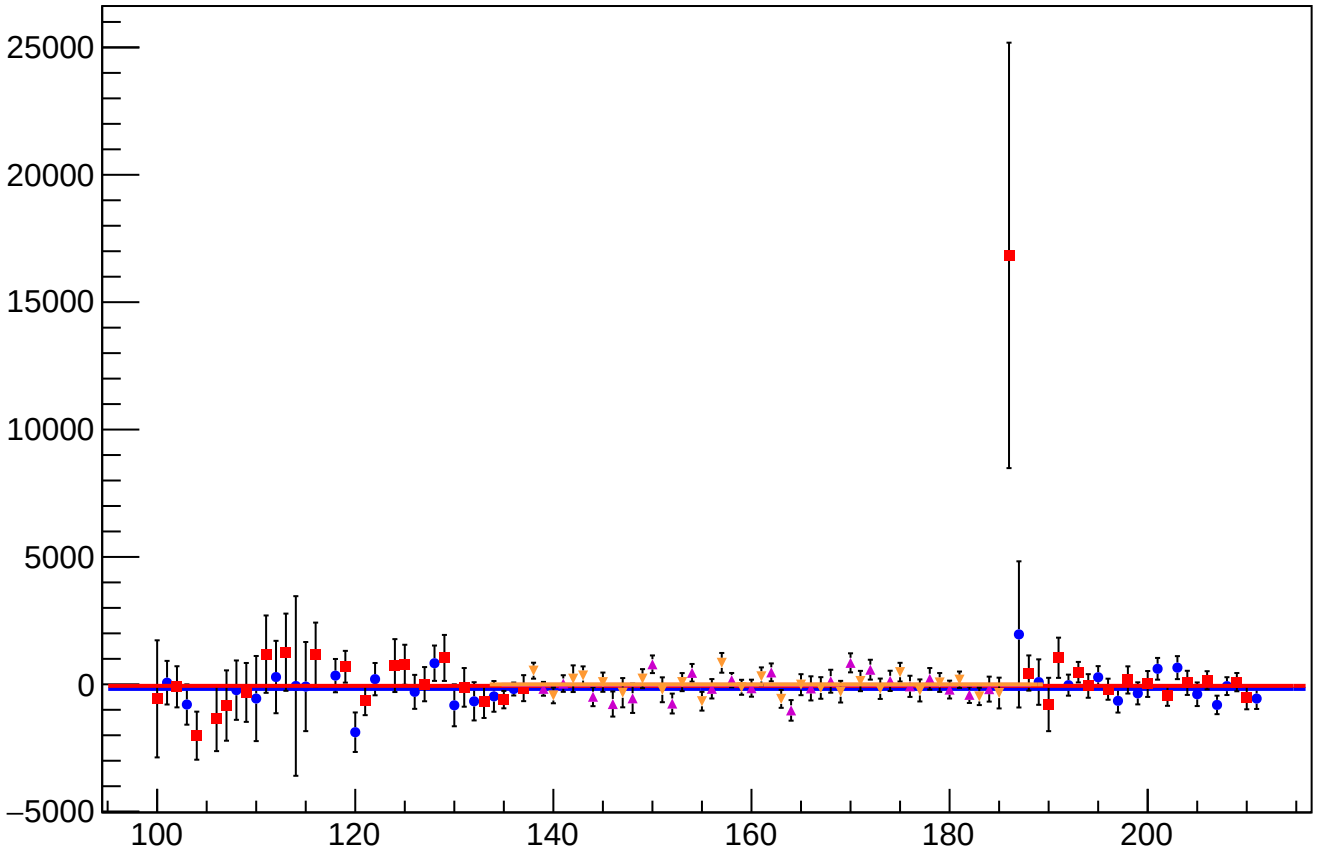
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.380+/-0.009 χ^2/NDF: 2873158.2/60

In: 76.740+/-0.009 χ^2/NDF:1312395.0/50

Out: 77.351+/-0.009 χ^2/NDF:1959493.0/57

All: 77.053+/-0.006 χ^2/NDF: 3274113.9/108



Right In: -180.565+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -60.259+/-102.962 χ^2/NDF: 29.0/32

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

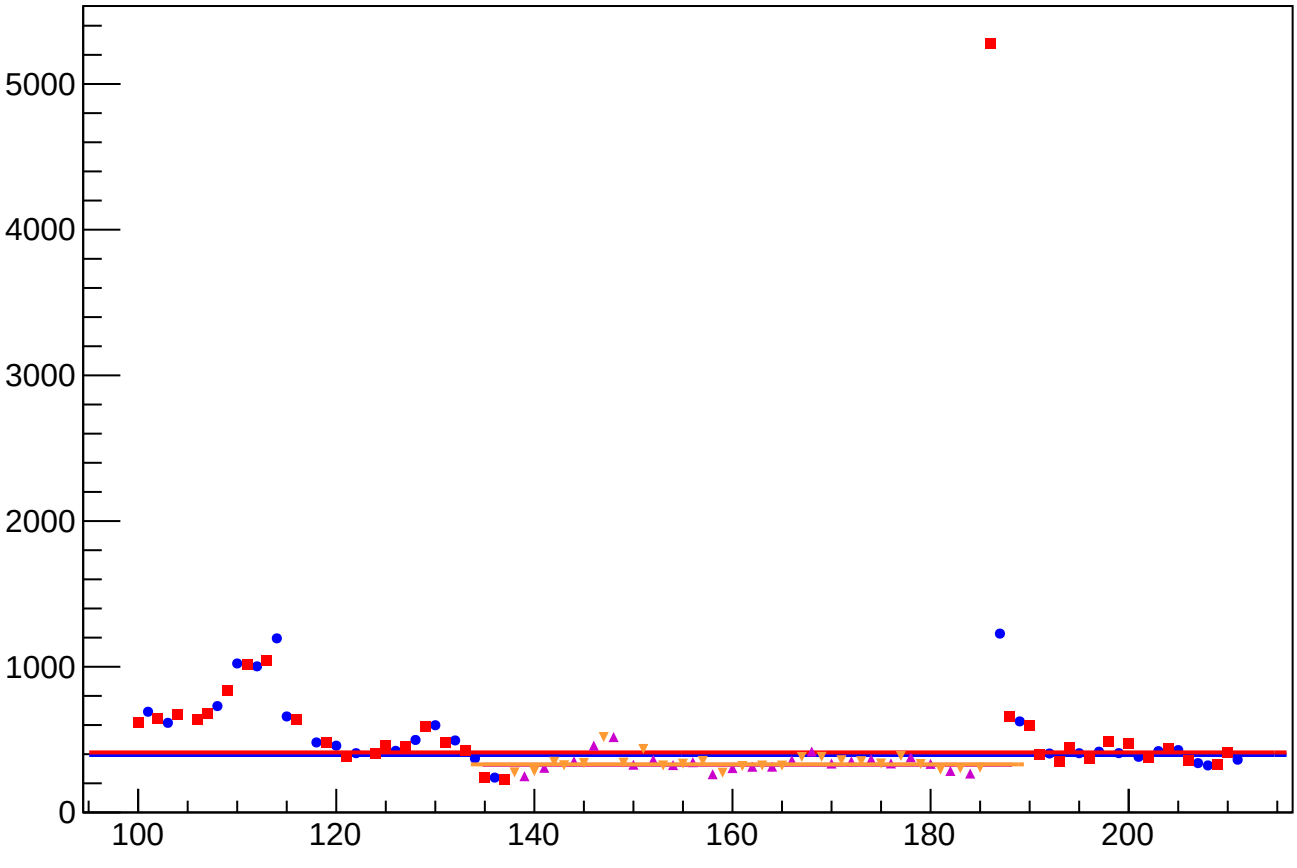
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -121.143+/-72.361 χ^2/NDF: 53.8/60

In: -78.573+/-61.666 χ^2/NDF:60.7/50

Out: -23.454+/-61.075 χ^2/NDF:53.2/57

All: -50.748+/-43.394 χ^2/NDF: 114.4/108



Right In: 394.518+/-0.072 χ^2/NDF: 2839905.5/27

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.109+/-0.073 χ^2/NDF: 3685784.4/32

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

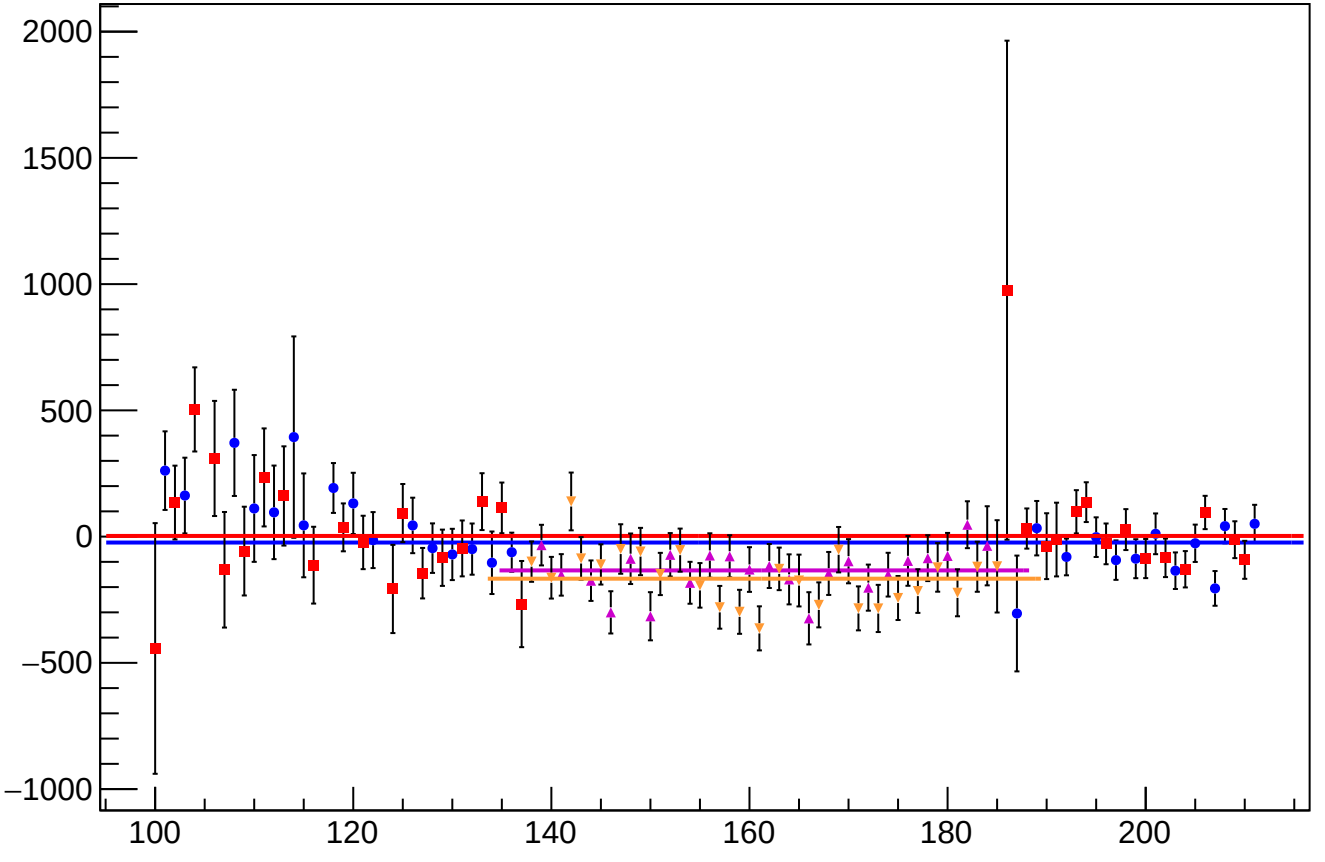
Right: 403.207+/-0.051 χ^2/NDF: 6555231.1/60

In: 351.792+/-0.044 χ^2/NDF:4297173.6/50

Out: 358.870+/-0.043 χ^2/NDF:5170048.7/57

All: 355.365+/-0.031 χ^2/NDF: 9480522.5/108

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -23.483+/-18.337 χ^2/NDF: 33.6/27

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 2.641+/-18.167 χ^2/NDF: 41.2/32

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

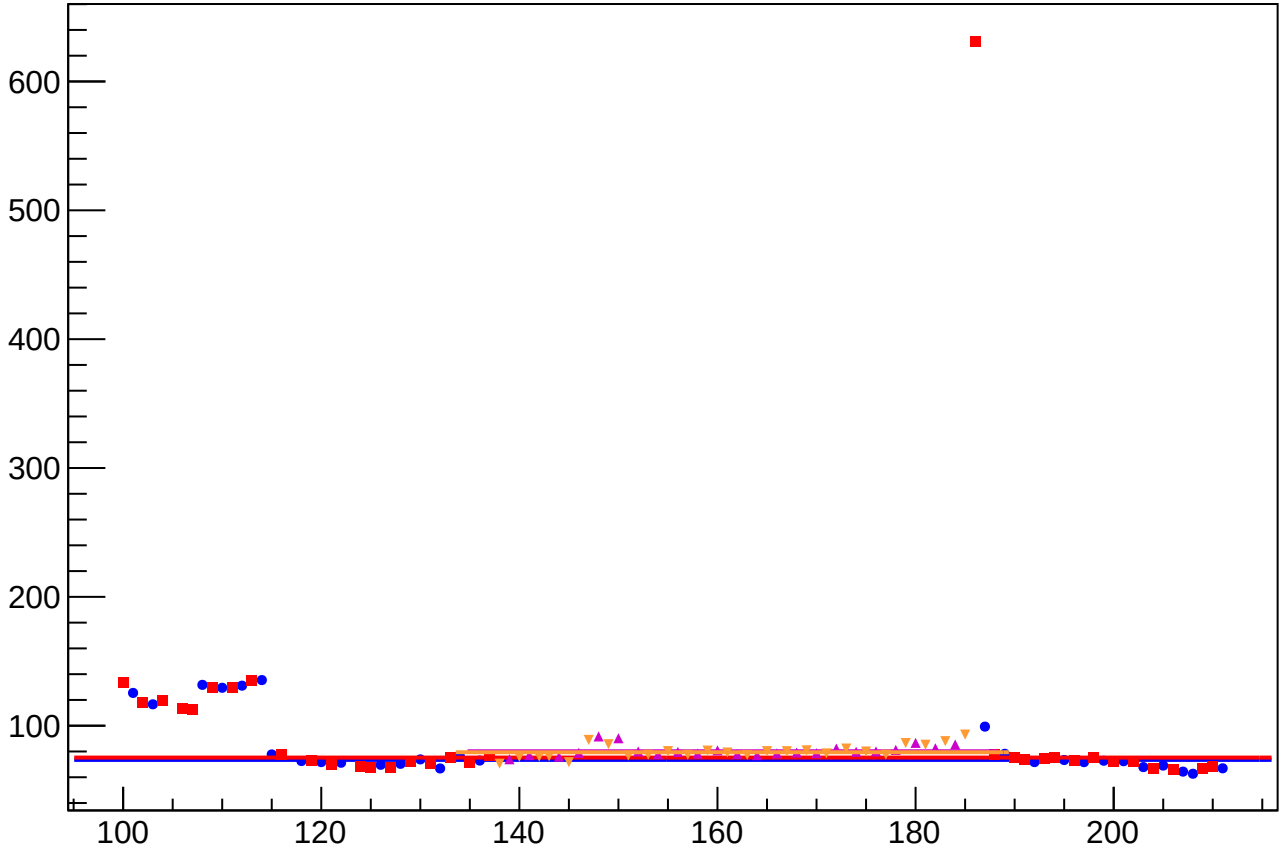
Right: -10.299+/-12.906 χ^2/NDF: 75.8/60

In: -77.421+/-13.112 χ^2/NDF:72.1/50

Out: -82.429+/-12.815 χ^2/NDF:116.5/57

All: -79.983+/-9.165 χ^2/NDF: 188.6/108

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.471+/-0.013 χ^2/NDF: 1090844.9/27

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.272+/-0.013 χ^2/NDF: 1772567.2/32

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

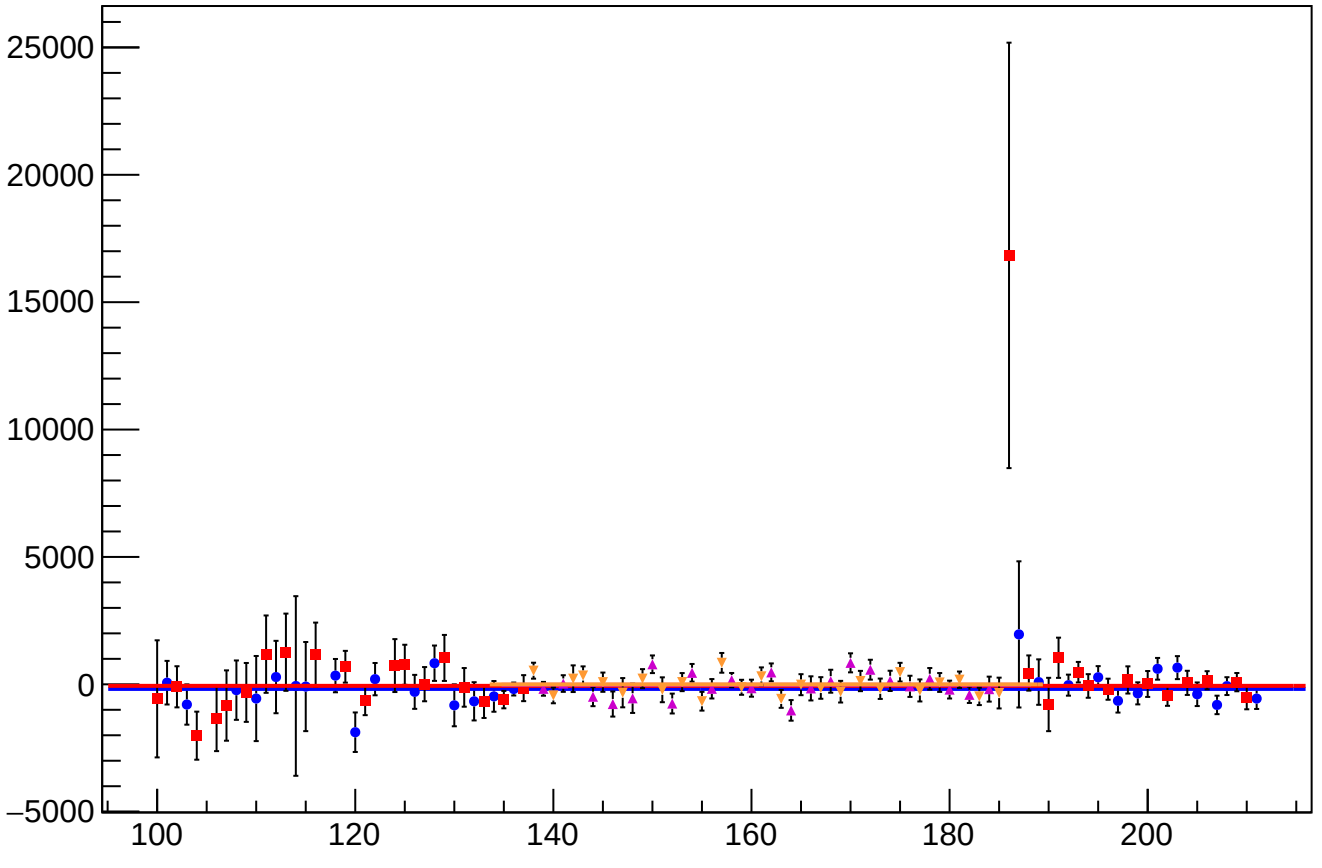
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.380+/-0.009 χ^2/NDF: 2873158.2/60

In: 76.740+/-0.009 χ^2/NDF:1312395.0/50

Out: 77.351+/-0.009 χ^2/NDF:1959493.0/57

All: 77.053+/-0.006 χ^2/NDF: 3274113.9/108



Right In: -180.565+/-101.718 χ^2/NDF: 24.1/27

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -60.259+/-102.962 χ^2/NDF: 29.0/32

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

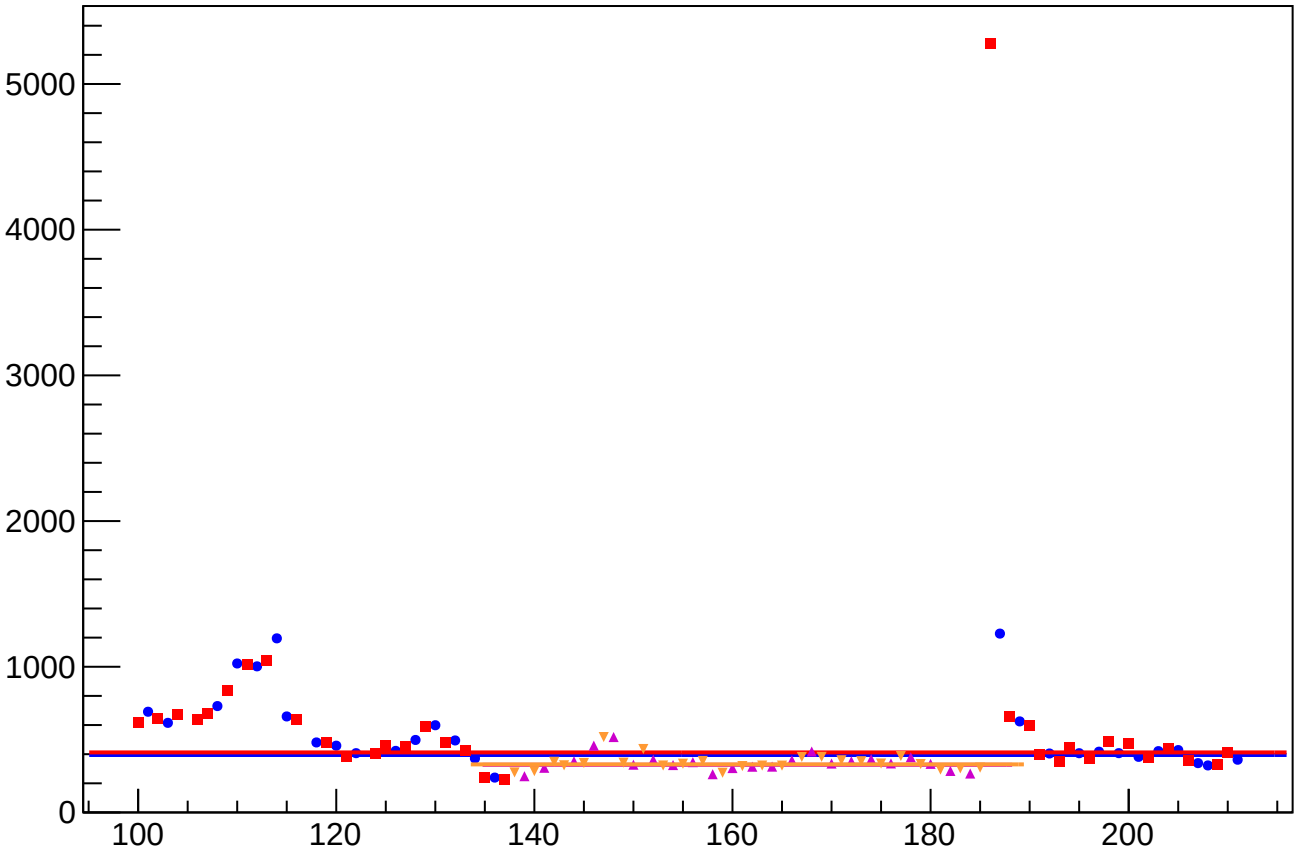
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -121.143+/-72.361 χ^2/NDF: 53.8/60

In: -78.573+/-61.666 χ^2/NDF:60.7/50

Out: -23.454+/-61.075 χ^2/NDF:53.2/57

All: -50.748+/-43.394 χ^2/NDF: 114.4/108



Right In: 394.518+/-0.072 χ^2/NDF: 2839905.5/27

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.109+/-0.073 χ^2/NDF: 3685784.4/32

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

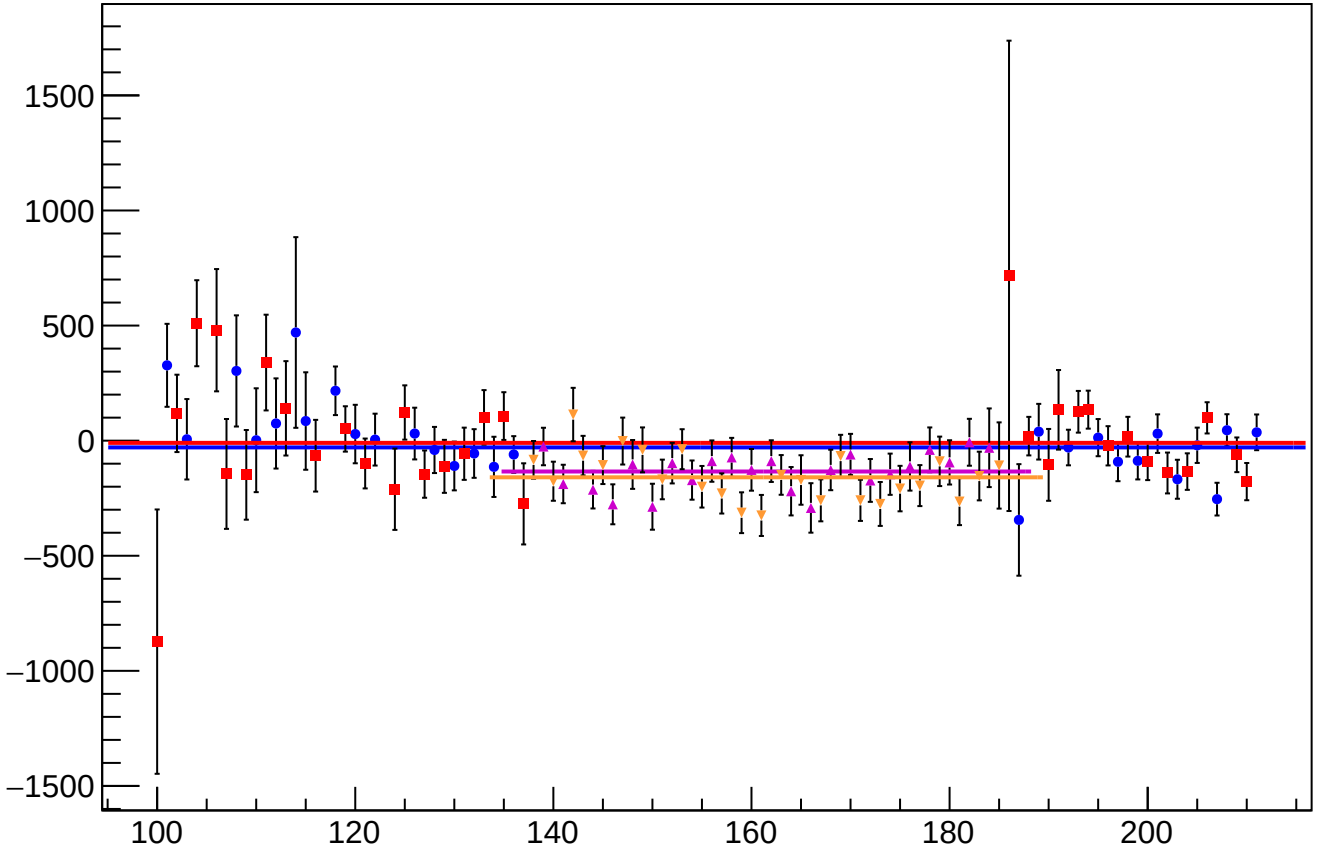
Right: 403.207+/-0.051 χ^2/NDF: 6555231.1/60

In: 351.792+/-0.044 χ^2/NDF:4297173.6/50

Out: 358.870+/-0.043 χ^2/NDF:5170048.7/57

All: 355.365+/-0.031 χ^2/NDF: 9480522.5/108

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -29.337+/-19.313 χ^2/NDF: 33.5/27

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -9.608+/-19.270 χ^2/NDF: 49.1/32

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

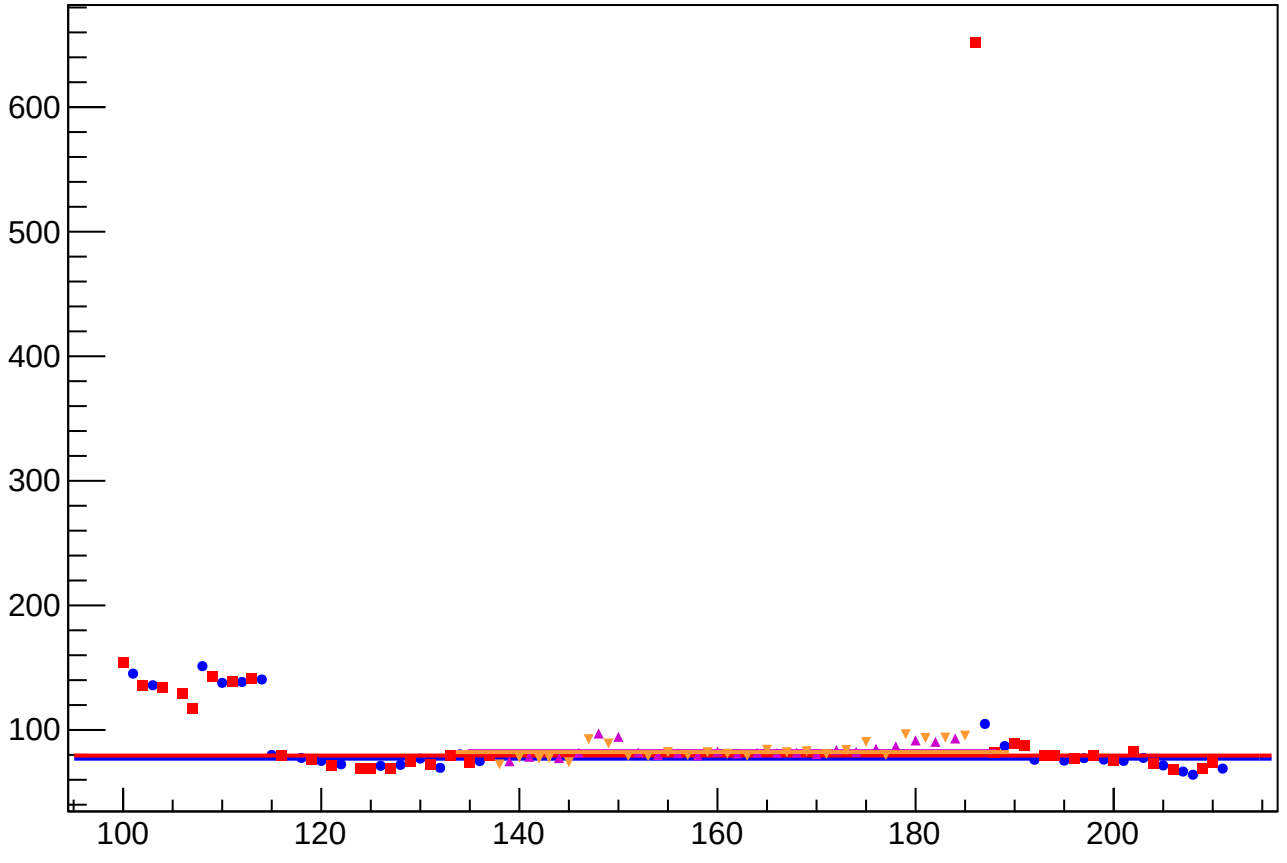
Right: -19.450+/-13.641 χ^2/NDF: 83.2/60

In: -81.328+/-13.701 χ^2/NDF:64.6/50

Out: -86.465+/-13.438 χ^2/NDF:108.2/57

All: -83.947+/-9.594 χ^2/NDF: 172.9/108

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.970+/-0.014 χ^2/NDF: 1305455.6/27

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.466+/-0.014 χ^2/NDF: 1946453.8/32

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

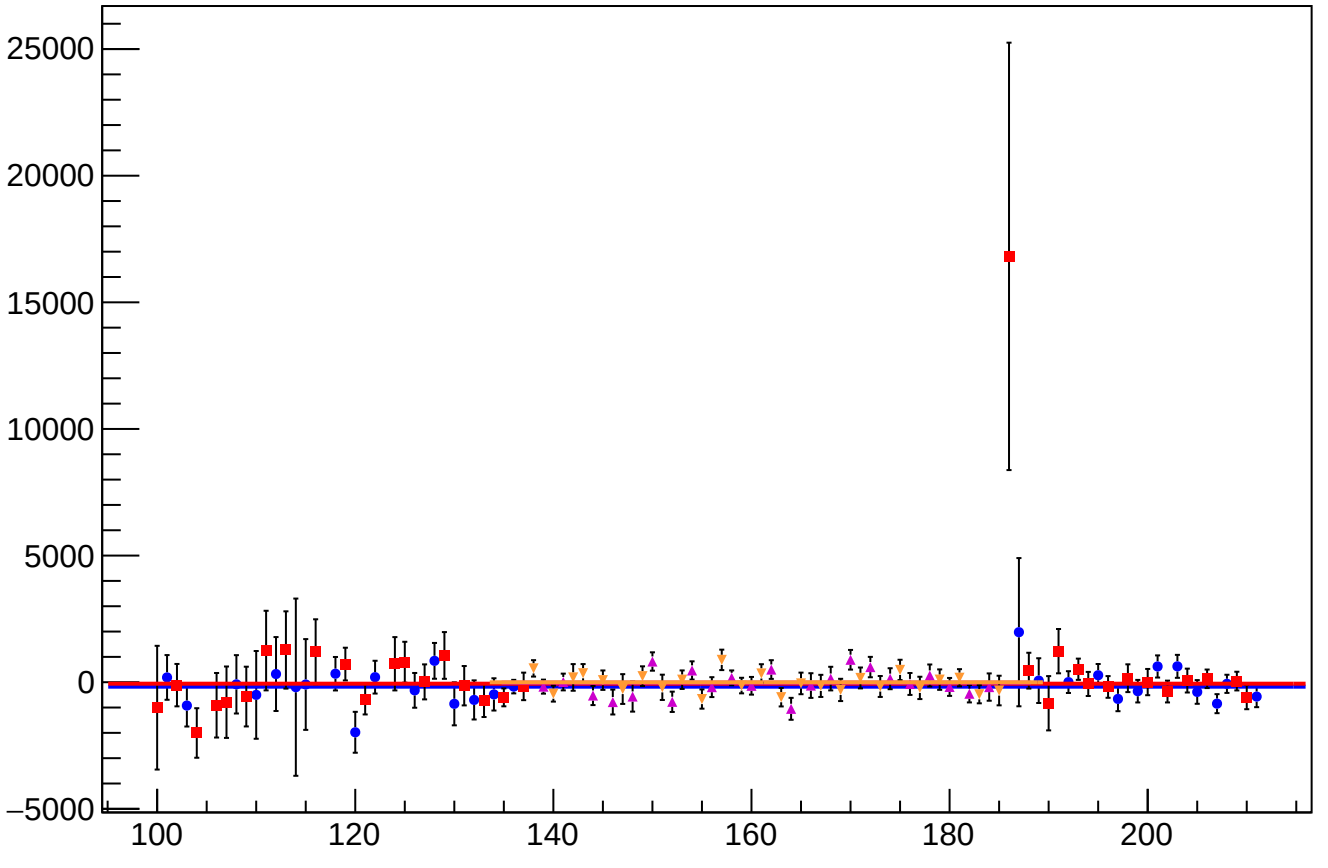
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 78.221+/-0.010 χ^2/NDF: 3268651.2/60

In: 79.962+/-0.010 χ^2/NDF:1547690.3/50

Out: 80.895+/-0.010 χ^2/NDF:2184405.5/57

All: 80.437+/-0.007 χ^2/NDF: 3736823.9/108



Right In: -176.425+/-104.829 χ^2/NDF: 24.3/27

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -58.701+/-106.498 χ^2/NDF: 28.0/32

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

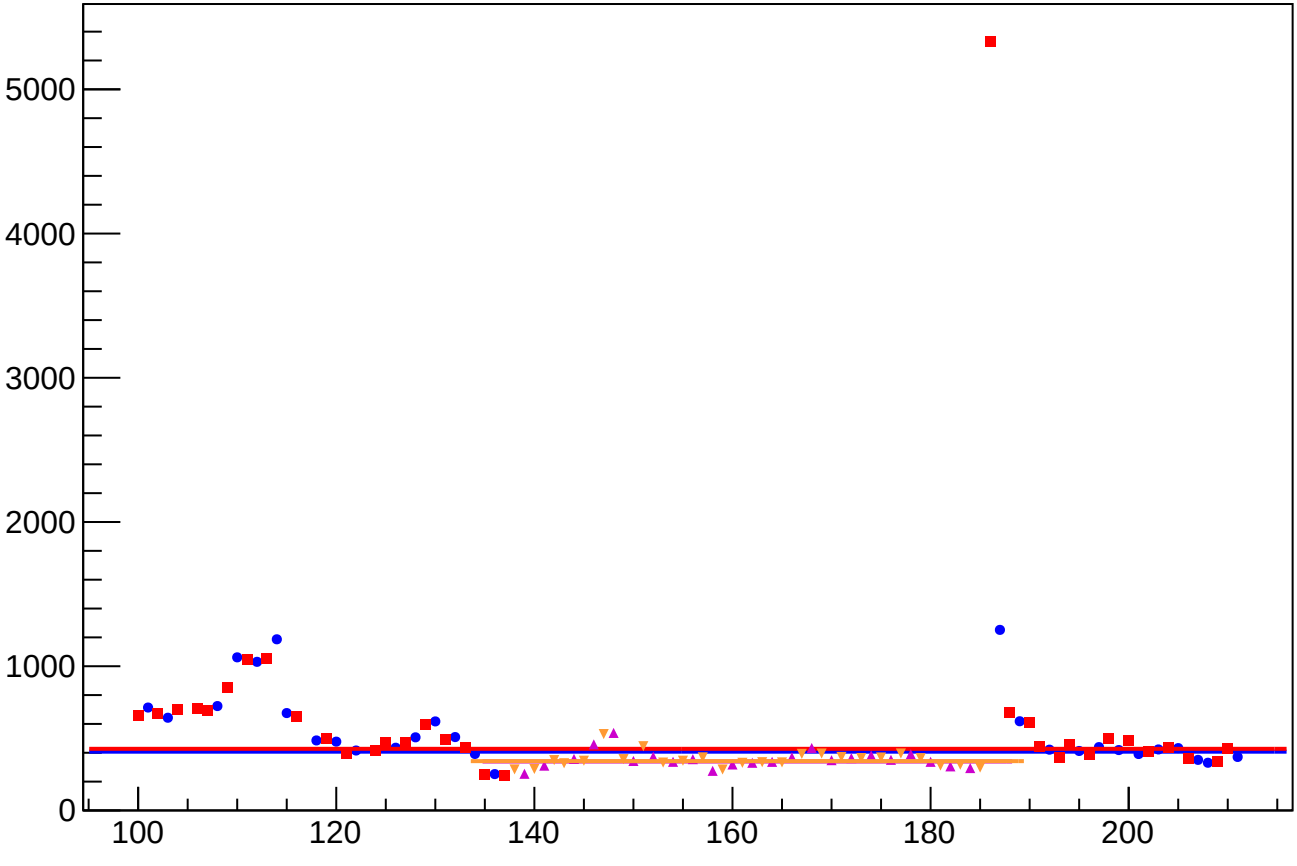
Right: -118.493+/-74.708 χ^2/NDF: 53.0/60

In: -75.752+/-63.802 χ^2/NDF:60.7/50

Out: -22.697+/-63.232 χ^2/NDF:51.7/57

All: -48.987+/-44.912 χ^2/NDF: 112.7/108

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.508+/-0.074 χ^2/NDF: 2722184.0/27

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 427.370+/-0.075 χ^2/NDF: 3619125.9/32

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

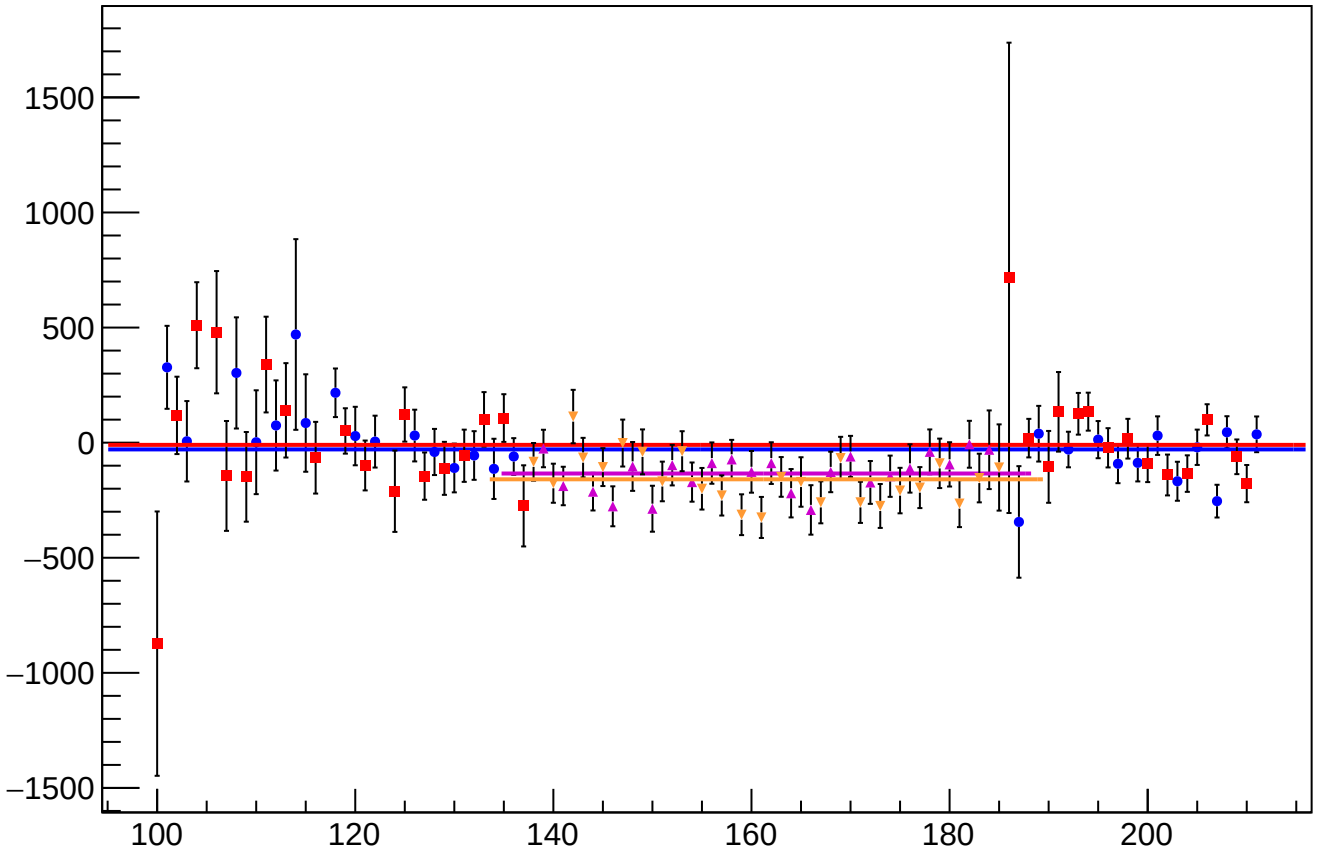
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 417.282+/-0.053 χ^2/NDF: 6376641.8/60

In: 364.648+/-0.045 χ^2/NDF:4099932.3/50

Out: 372.041+/-0.045 χ^2/NDF:5106769.3/57

All: 368.378+/-0.032 χ^2/NDF: 9220252.2/108



Right In: -29.336+/-19.313 χ^2/NDF: 33.5/27

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -9.609+/-19.270 χ^2/NDF: 49.1/32

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

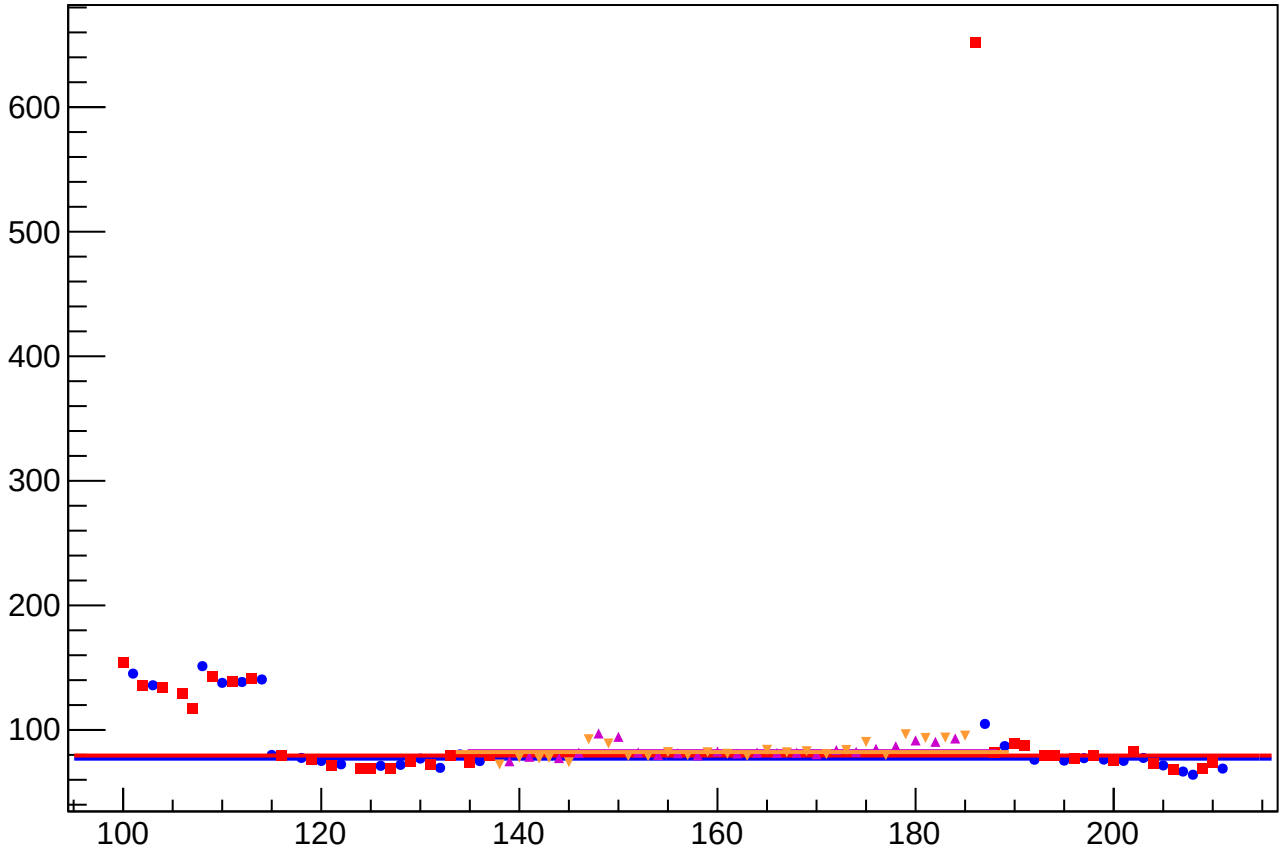
Right: -19.450+/-13.641 χ^2/NDF: 83.2/60

In: -81.328+/-13.701 χ^2/NDF:64.6/50

Out: -86.465+/-13.438 χ^2/NDF:108.2/57

All: -83.946+/-9.594 χ^2/NDF: 172.9/108

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.970+/-0.014 χ^2/NDF: 1305456.6/27

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 79.466+/-0.014 χ^2/NDF: 1946453.9/32

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

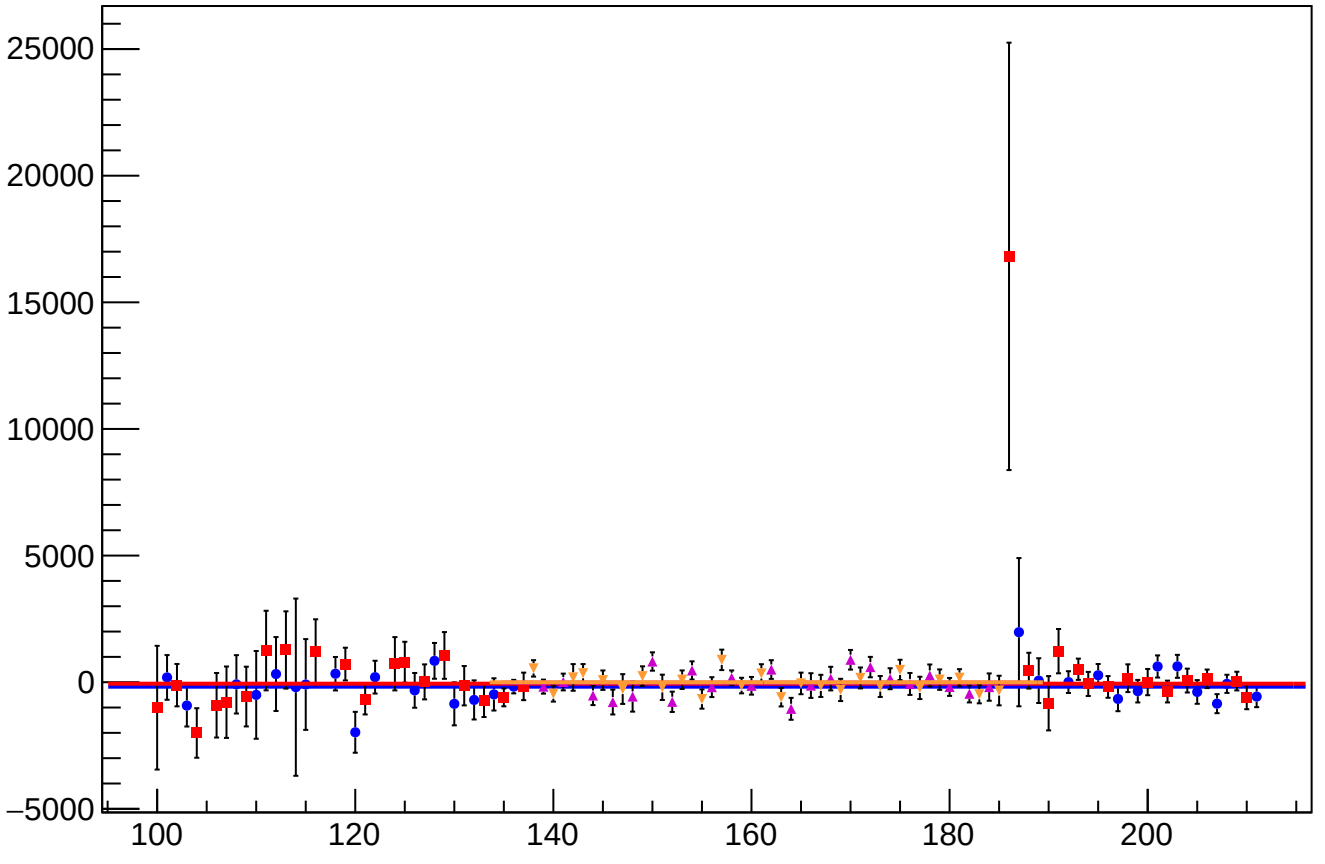
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 78.220+/-0.010 χ^2/NDF: 3268651.9/60

In: 79.961+/-0.010 χ^2/NDF:1547692.9/50

Out: 80.895+/-0.010 χ^2/NDF:2184408.0/57

All: 80.437+/-0.007 χ^2/NDF: 3736829.0/108



Right In: -176.424+/-104.829 χ^2/NDF: 24.3/27

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -58.701+/-106.498 χ^2/NDF: 28.0/32

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

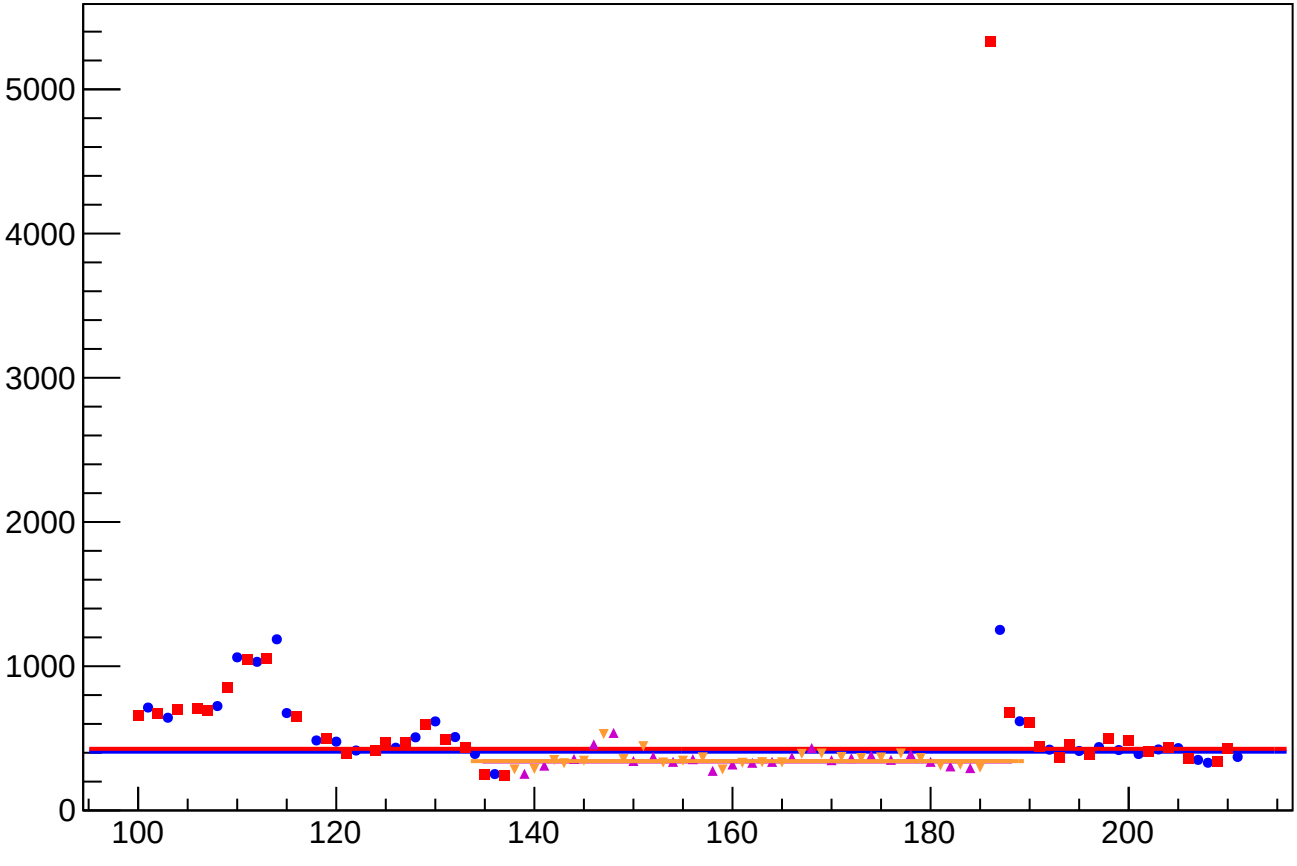
Right: -118.492+/-74.708 χ^2/NDF: 53.0/60

In: -75.752+/-63.801 χ^2/NDF:60.7/50

Out: -22.697+/-63.232 χ^2/NDF:51.7/57

All: -48.986+/-44.912 χ^2/NDF: 112.7/108

asym_sam1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 407.507+/-0.074 χ^2/NDF: 2722189.3/27

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 427.369+/-0.075 χ^2/NDF: 3619133.2/32

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

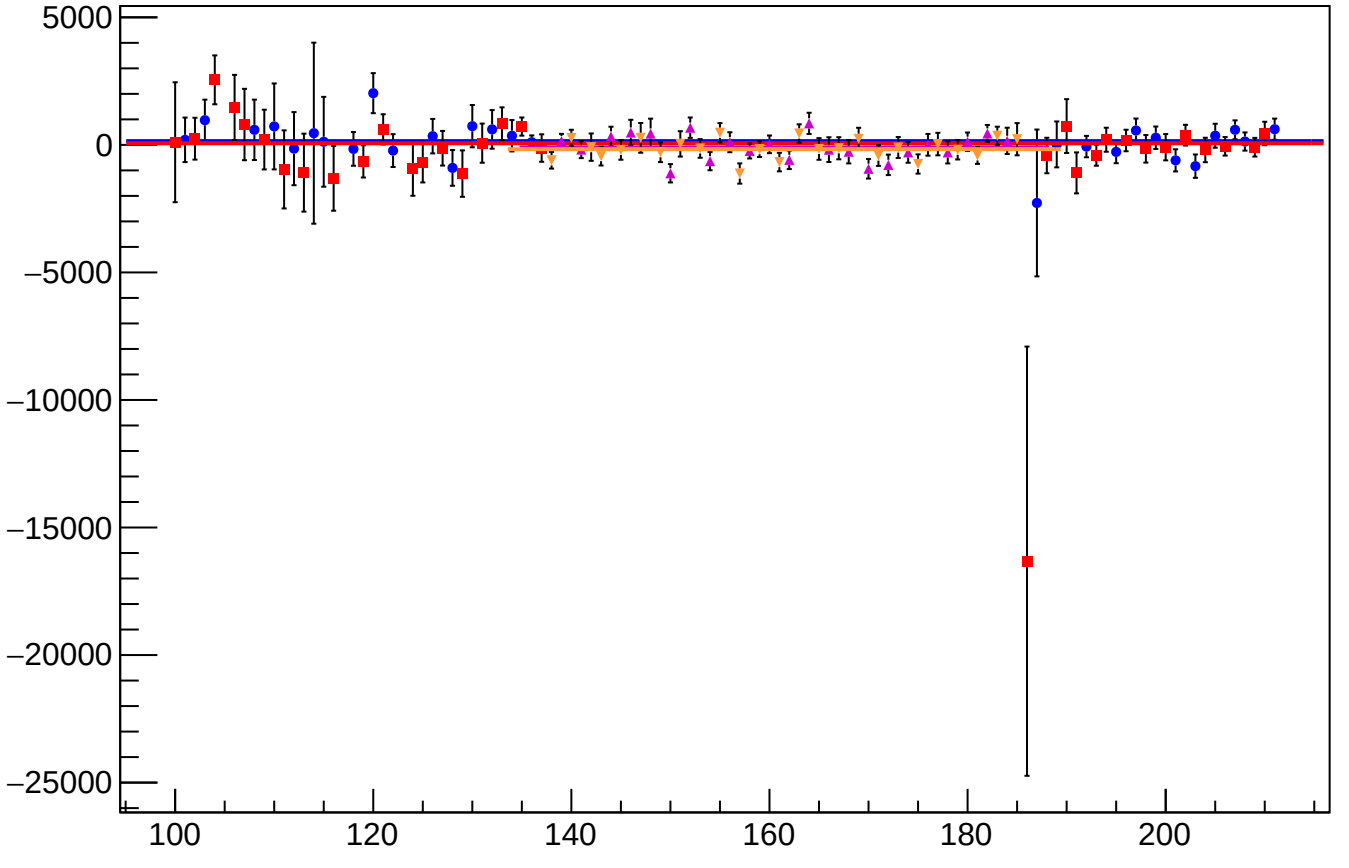
Right: 417.281+/-0.053 χ^2/NDF: 6376654.0/60

In: 364.647+/-0.045 χ^2/NDF:4099930.3/50

Out: 372.041+/-0.045 χ^2/NDF:5106762.7/57

All: 368.377+/-0.032 χ^2/NDF: 9220243.5/108

asym_sam1_mean vs Slug, Sign Corrected



Right In: 147.488+/-103.833 χ^2/NDF: 24.3/27

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 63.486+/-105.003 χ^2/NDF: 31.4/32

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

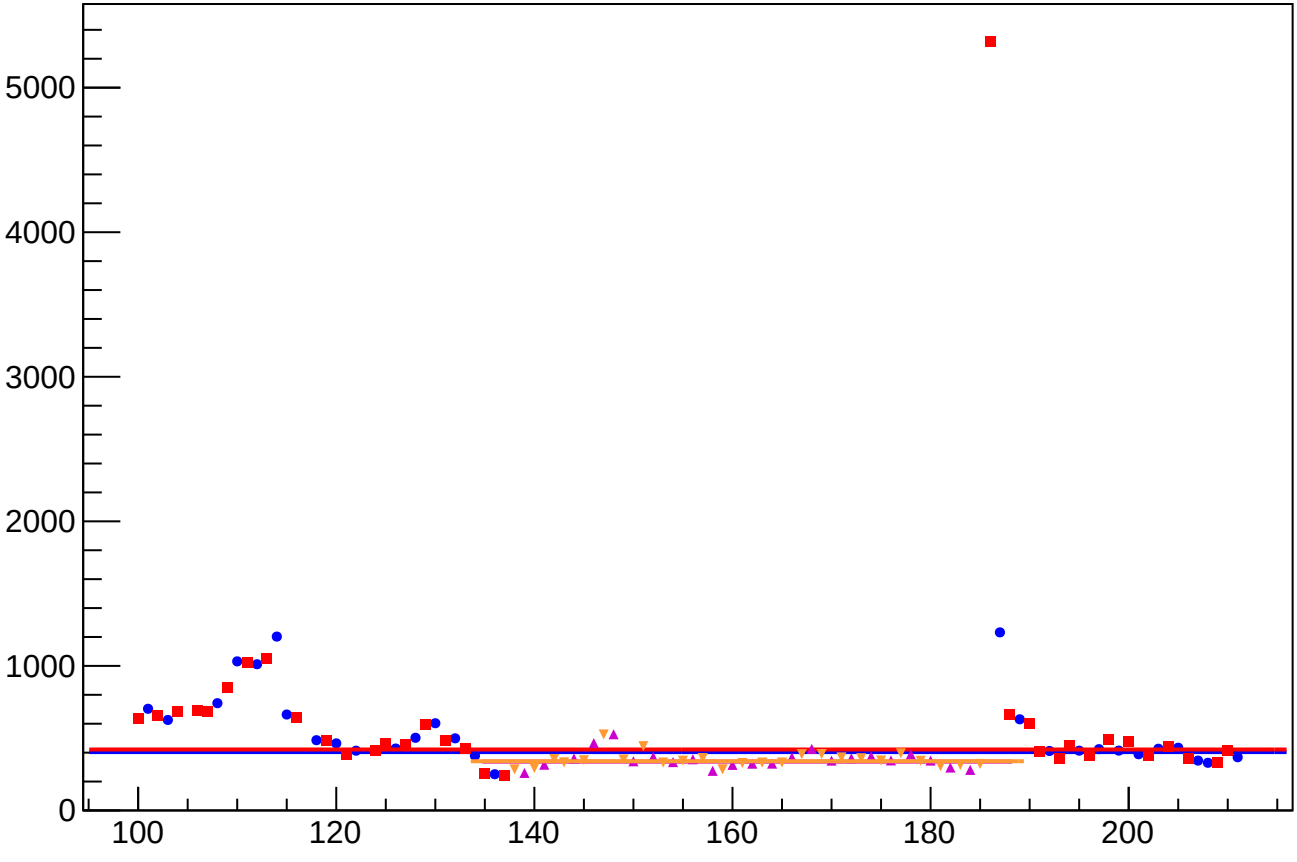
Right: 105.957+/-73.831 χ^2/NDF: 56.0/60

In: -10.338+/-63.370 χ^2/NDF:65.4/50

Out: -85.044+/-62.707 χ^2/NDF:60.1/57

All: -48.084+/-44.573 χ^2/NDF: 126.2/108

asym_sam1_rms vs Slug, Sign Corrected



Right In: 403.734+/-0.073 χ^2/NDF: 2700152.2/27

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 421.686+/-0.074 χ^2/NDF: 3565501.9/32

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

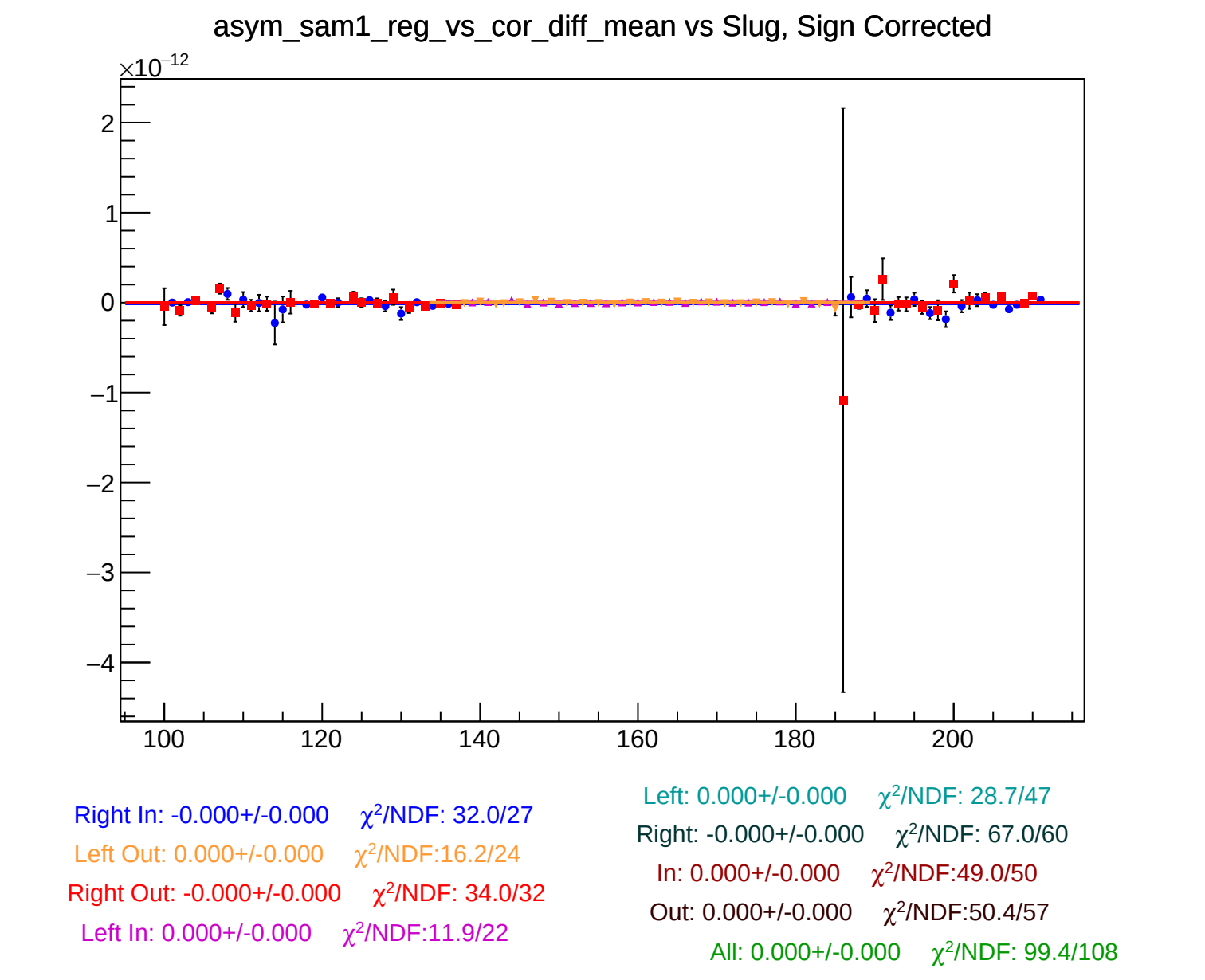
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

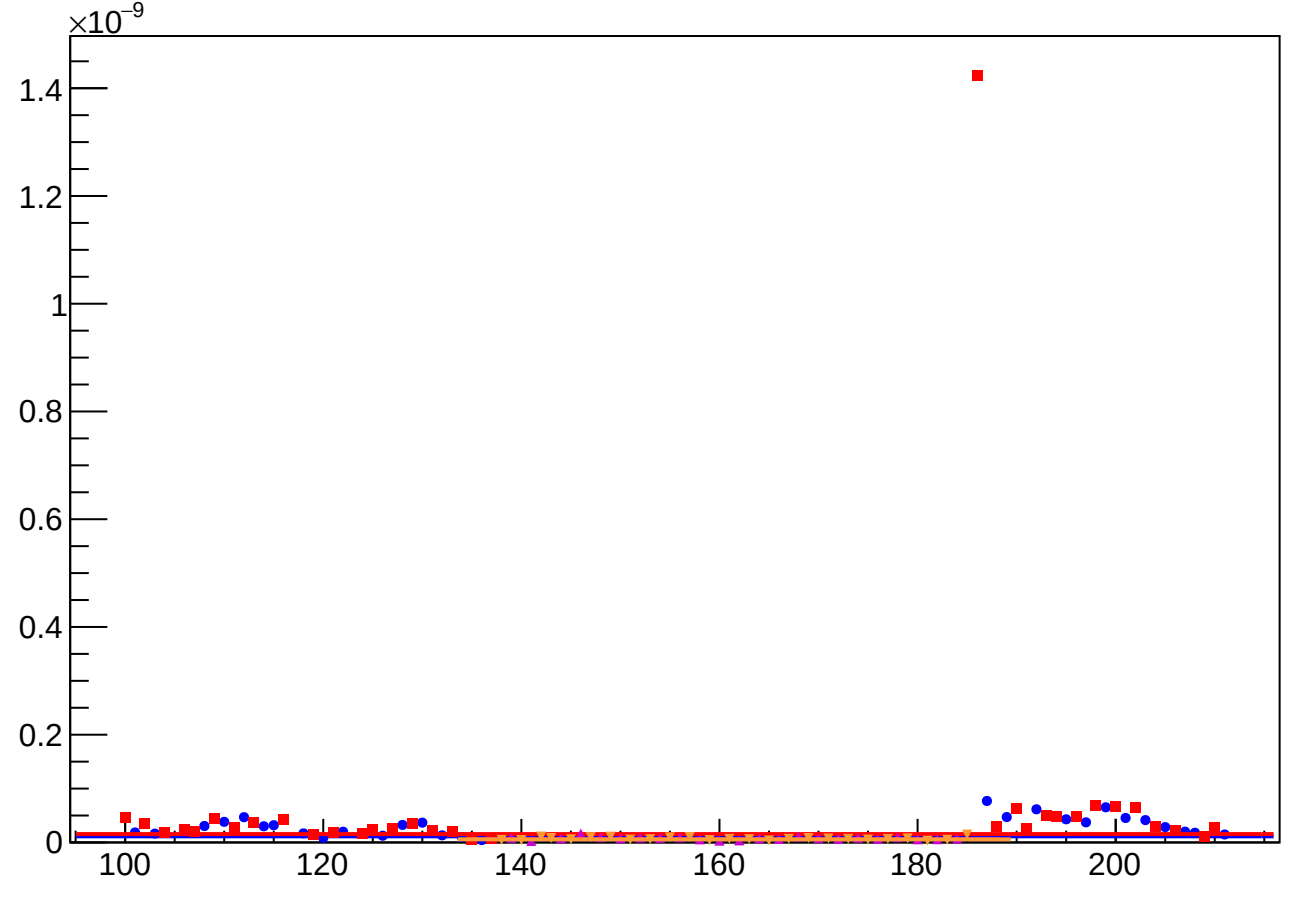
Right: 412.609+/-0.052 χ^2/NDF: 6295211.9/60

In: 362.332+/-0.045 χ^2/NDF:4027522.2/50

Out: 369.384+/-0.044 χ^2/NDF:4940924.9/57

All: 365.895+/-0.032 χ^2/NDF: 8980960.7/108


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: 32.0/27
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.0/32
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: 67.0/60
In: 0.000+/-0.000 χ²/NDF:49.0/50
Out: 0.000+/-0.000 χ²/NDF:50.4/57
All: 0.000+/-0.000 χ²/NDF: 99.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 7387739.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7278405.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

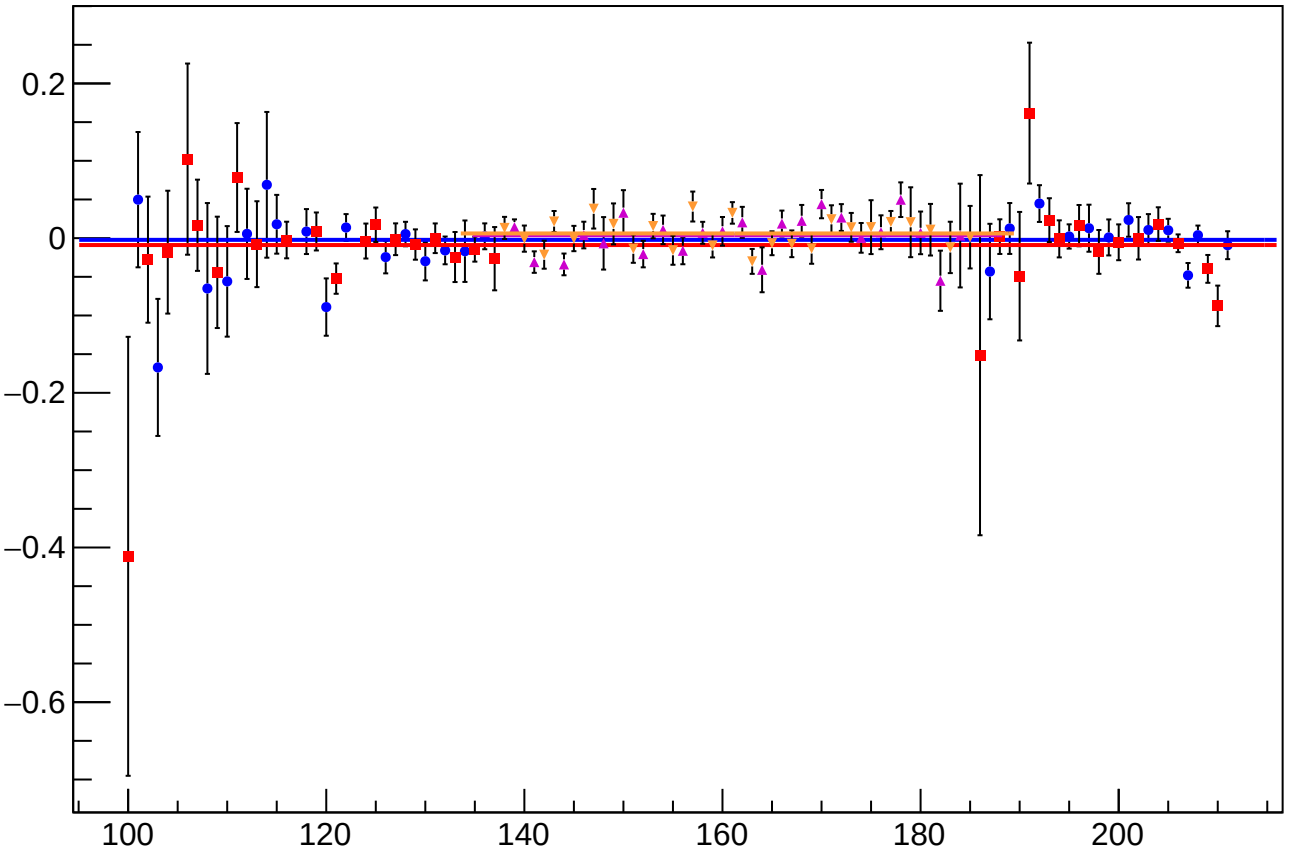
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15099701.1/60

In: 0.000+/-0.000 χ^2/NDF:10758972.9/50

Out: 0.000+/-0.000 χ^2/NDF:11990473.2/57

All: 0.000+/-0.000 χ^2/NDF: 22772709.0/108



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.004 χ^2/NDF: 33.0/32

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

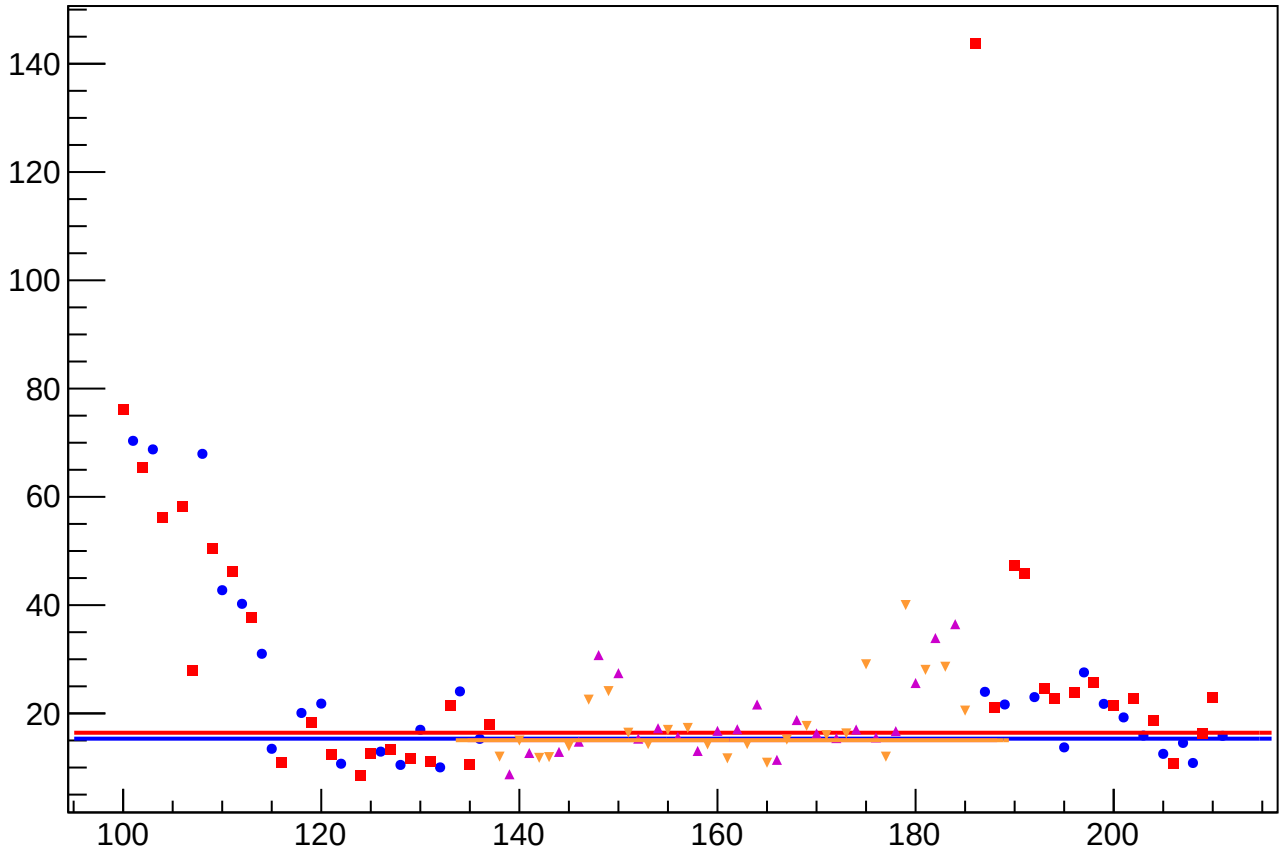
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 65.7/60

In: 0.001+/-0.003 χ^2/NDF:69.7/50

Out: 0.000+/-0.003 χ^2/NDF:66.4/57

All: 0.001+/-0.002 χ^2/NDF: 136.1/108



Right In: 15.334+/-0.003 χ^2/NDF: 4666318.5/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.429+/-0.003 χ^2/NDF: 6546311.1/32

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

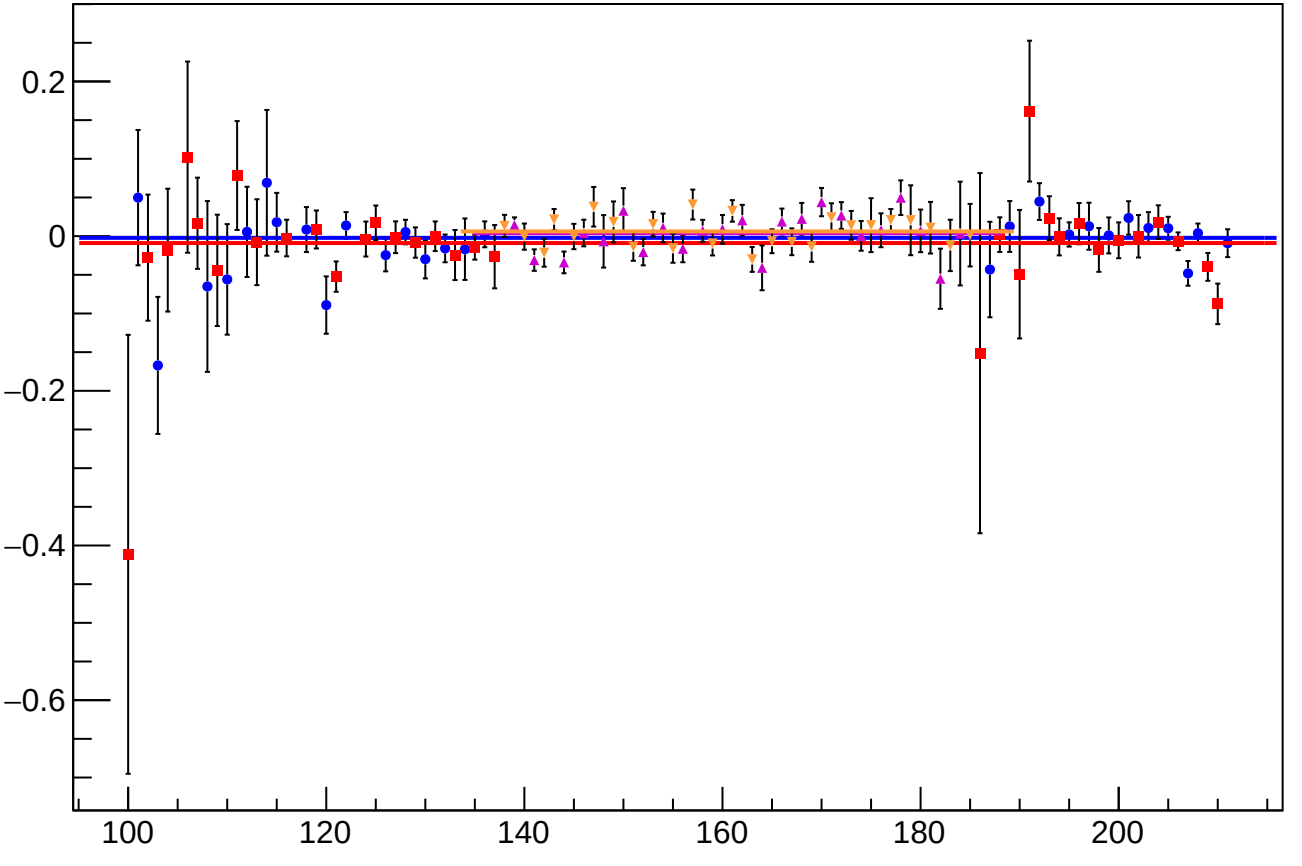
Right: 15.857+/-0.002 χ^2/NDF: 11275104.3/60

In: 15.186+/-0.002 χ^2/NDF:7737191.0/50

Out: 15.604+/-0.002 χ^2/NDF:9418166.0/57

All: 15.396+/-0.001 χ^2/NDF: 17176858.6/108

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.004 χ^2/NDF: 33.0/32

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

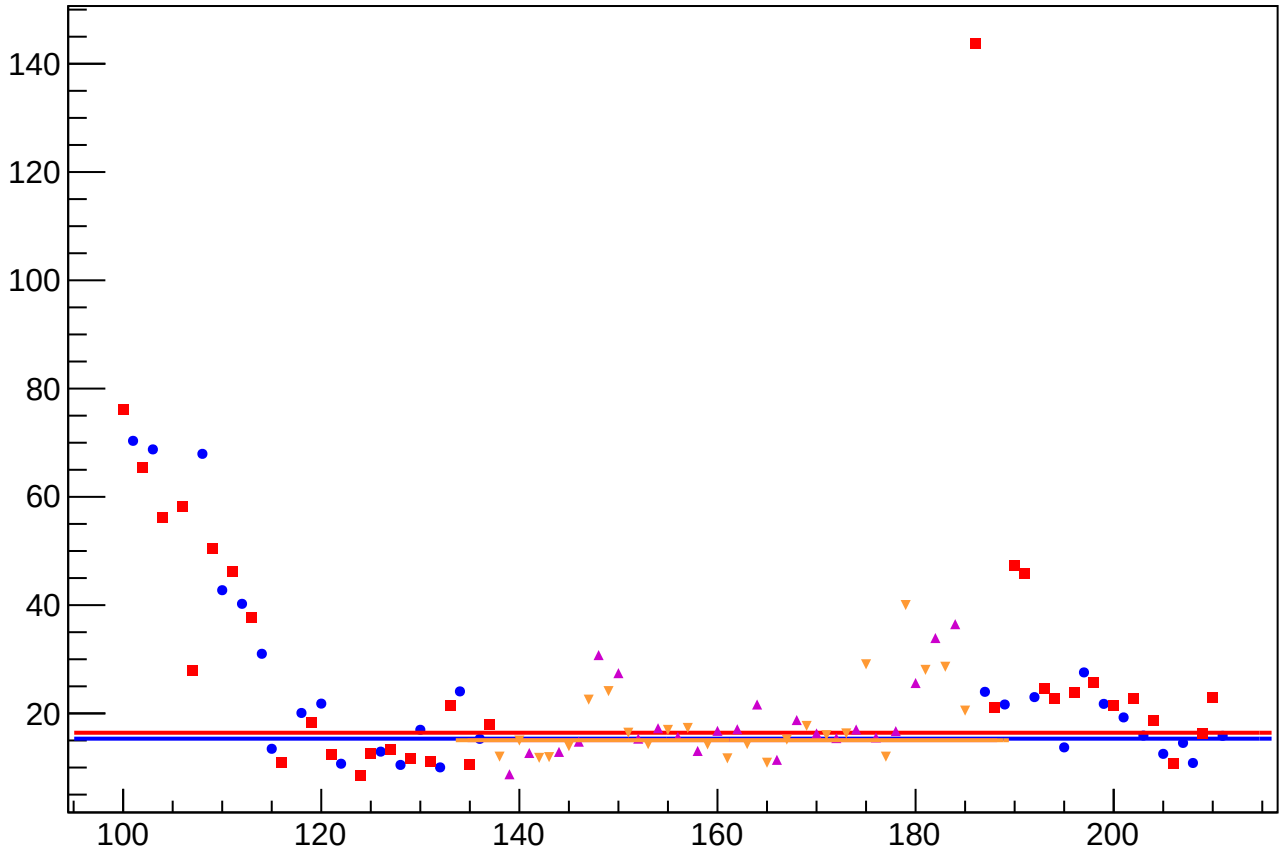
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 65.7/60

In: 0.001+/-0.003 χ^2/NDF:69.7/50

Out: 0.000+/-0.003 χ^2/NDF:66.4/57

All: 0.001+/-0.002 χ^2/NDF: 136.1/108



Right In: 15.334+/-0.003 χ^2/NDF: 4666318.5/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.429+/-0.003 χ^2/NDF: 6546311.1/32

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

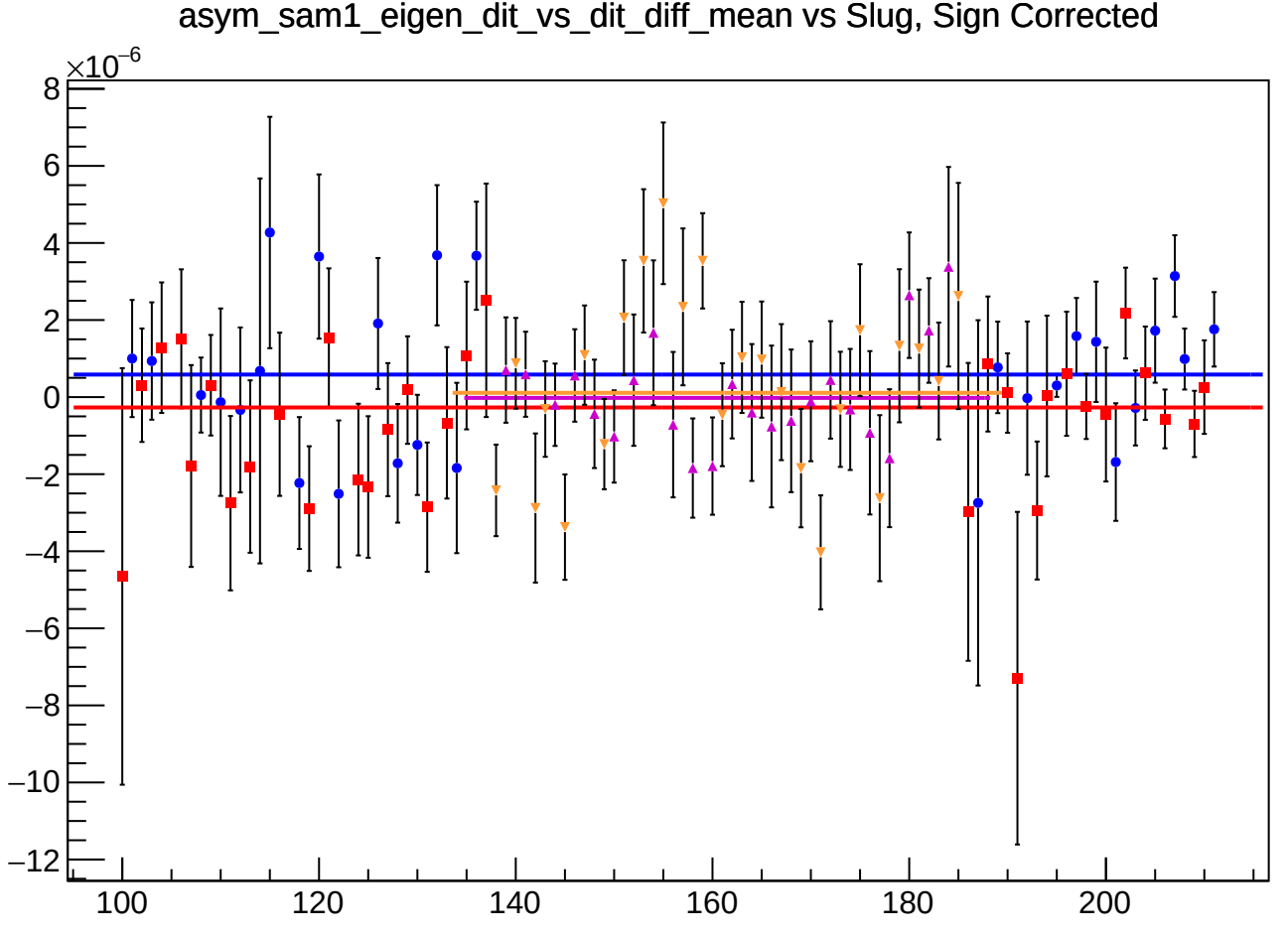
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.857+/-0.002 χ^2/NDF: 11275104.3/60

In: 15.186+/-0.002 χ^2/NDF:7737191.0/50

Out: 15.604+/-0.002 χ^2/NDF:9418166.0/57

All: 15.396+/-0.001 χ^2/NDF: 17176858.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/32

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

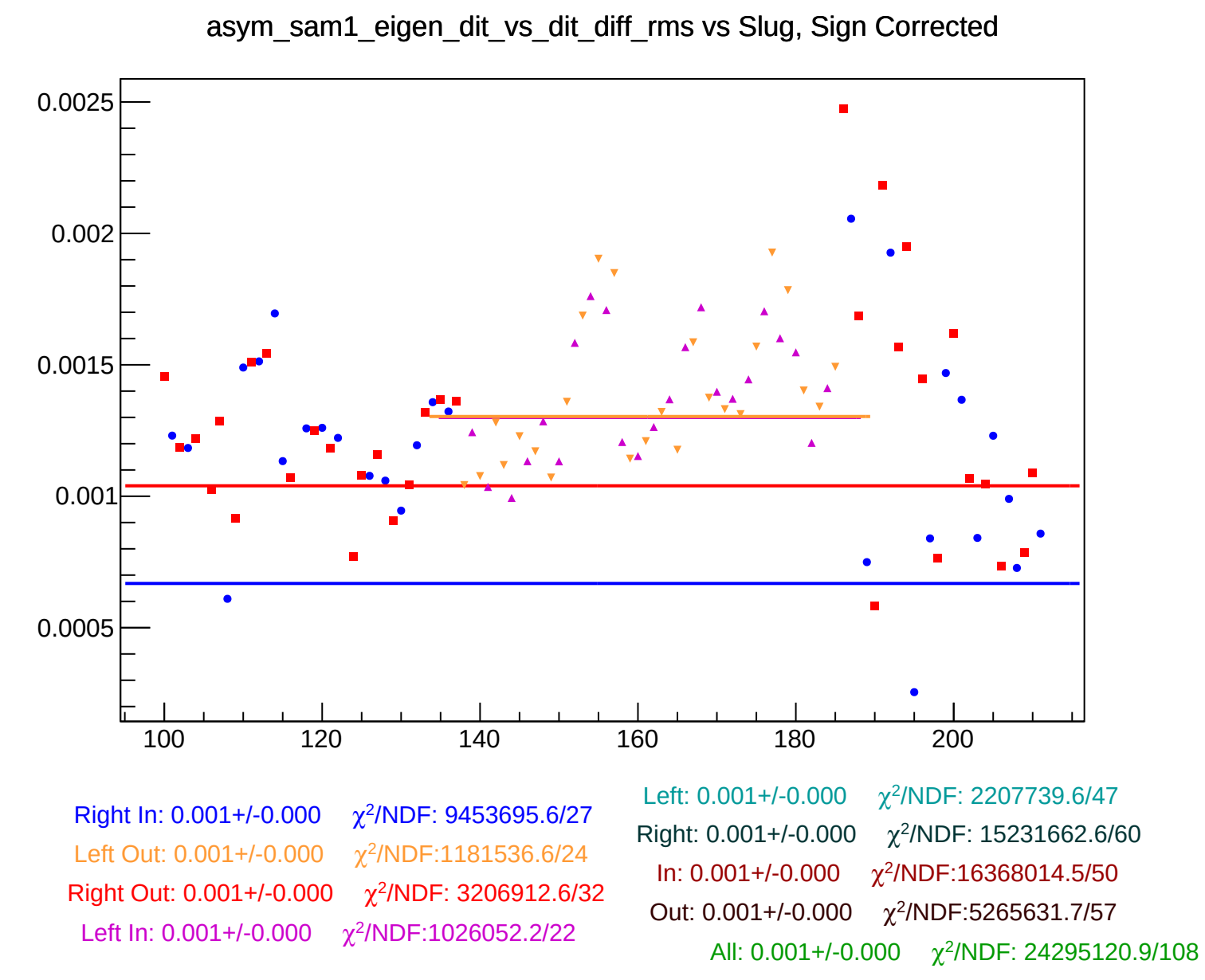
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: 0.000+/-0.000 χ^2/NDF: 70.6/60

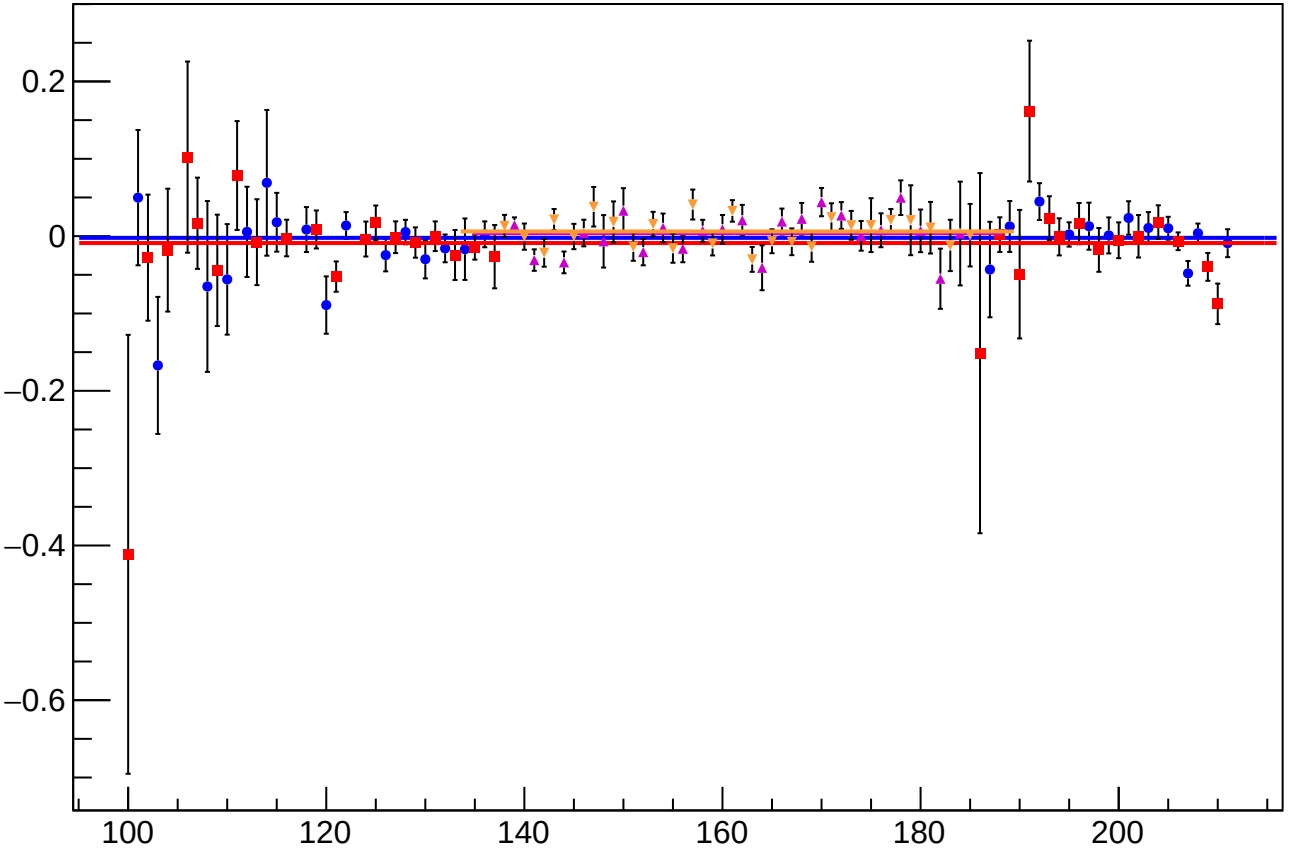
In: 0.000+/-0.000 χ^2/NDF:54.3/50

Out: -0.000+/-0.000 χ^2/NDF:77.2/57

All: 0.000+/-0.000 χ^2/NDF: 135.5/108


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: 9453695.6/27
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 3206912.6/32
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: 15231662.6/60
In: 0.001+/-0.000 χ²/NDF:16368014.5/50
Out: 0.001+/-0.000 χ²/NDF:5265631.7/57
All: 0.001+/-0.000 χ²/NDF: 24295120.9/108

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.004 χ^2/NDF: 33.0/32

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

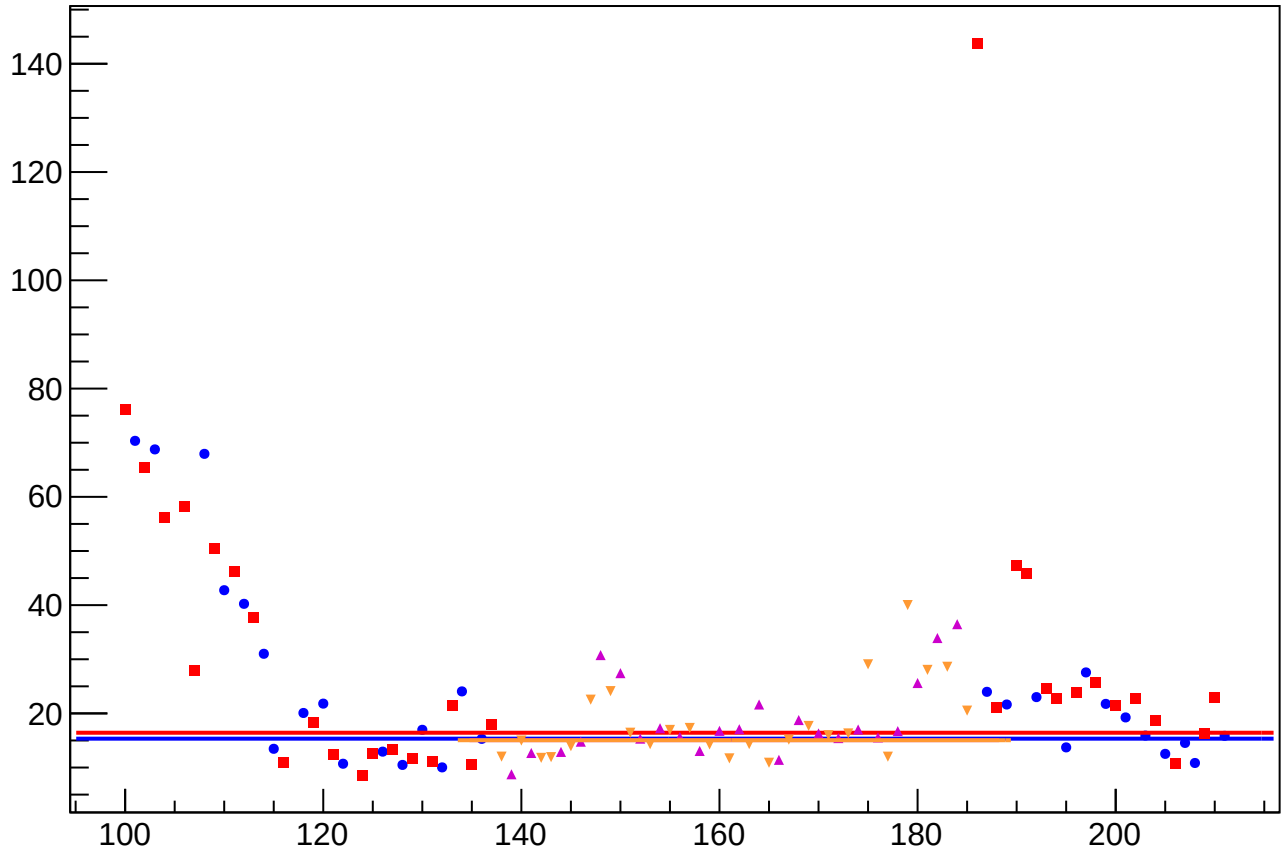
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 65.7/60

In: 0.001+/-0.003 χ^2/NDF:69.7/50

Out: 0.000+/-0.003 χ^2/NDF:66.4/57

All: 0.001+/-0.002 χ^2/NDF: 136.1/108



Right In: 15.333+/-0.003 χ^2/NDF: 4666328.9/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.428+/-0.003 χ^2/NDF: 6546273.9/32

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

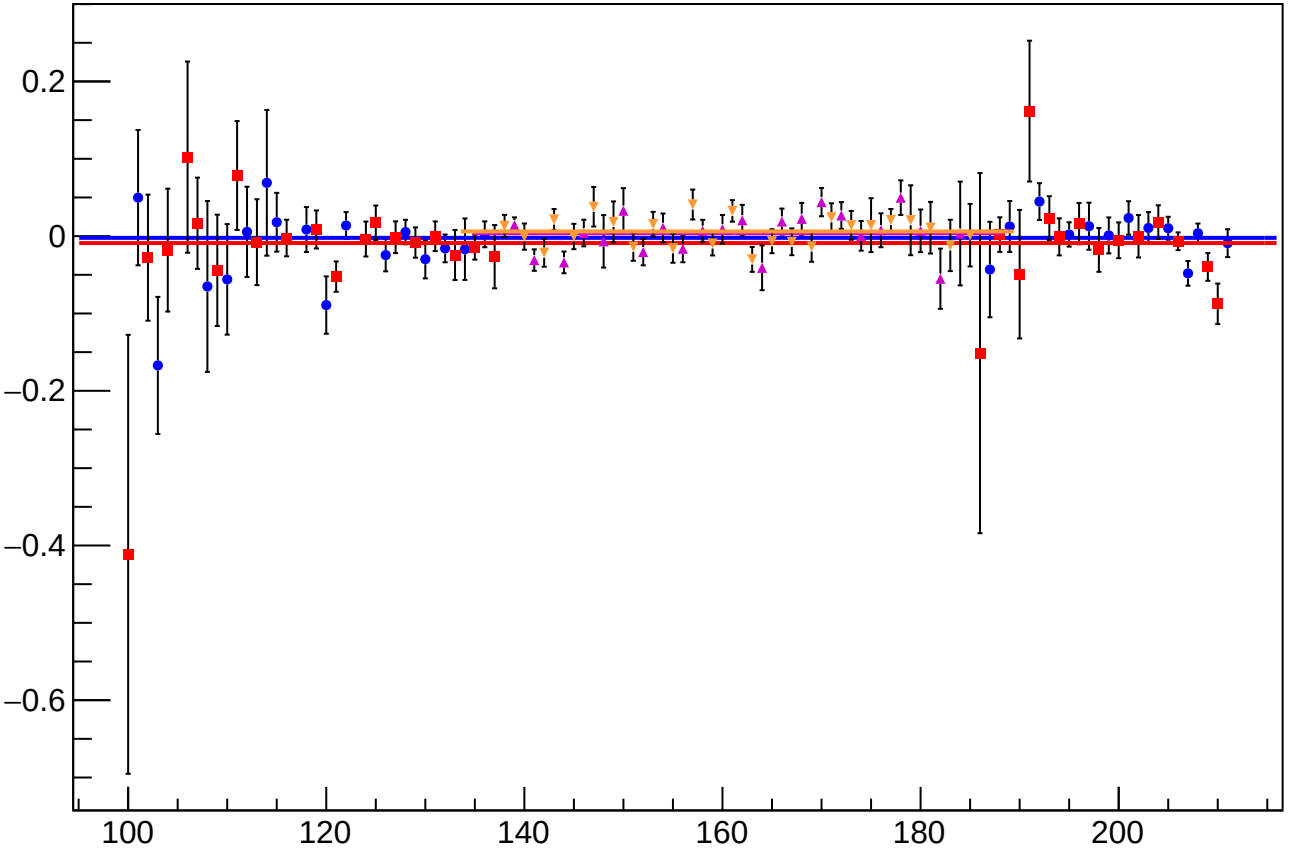
Right: 15.857+/-0.002 χ^2/NDF: 11275087.6/60

In: 15.186+/-0.002 χ^2/NDF:7737241.1/50

Out: 15.603+/-0.002 χ^2/NDF:9418342.3/57

All: 15.396+/-0.001 χ^2/NDF: 17177085.1/108

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.5/27

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.004 χ^2/NDF: 33.0/32

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

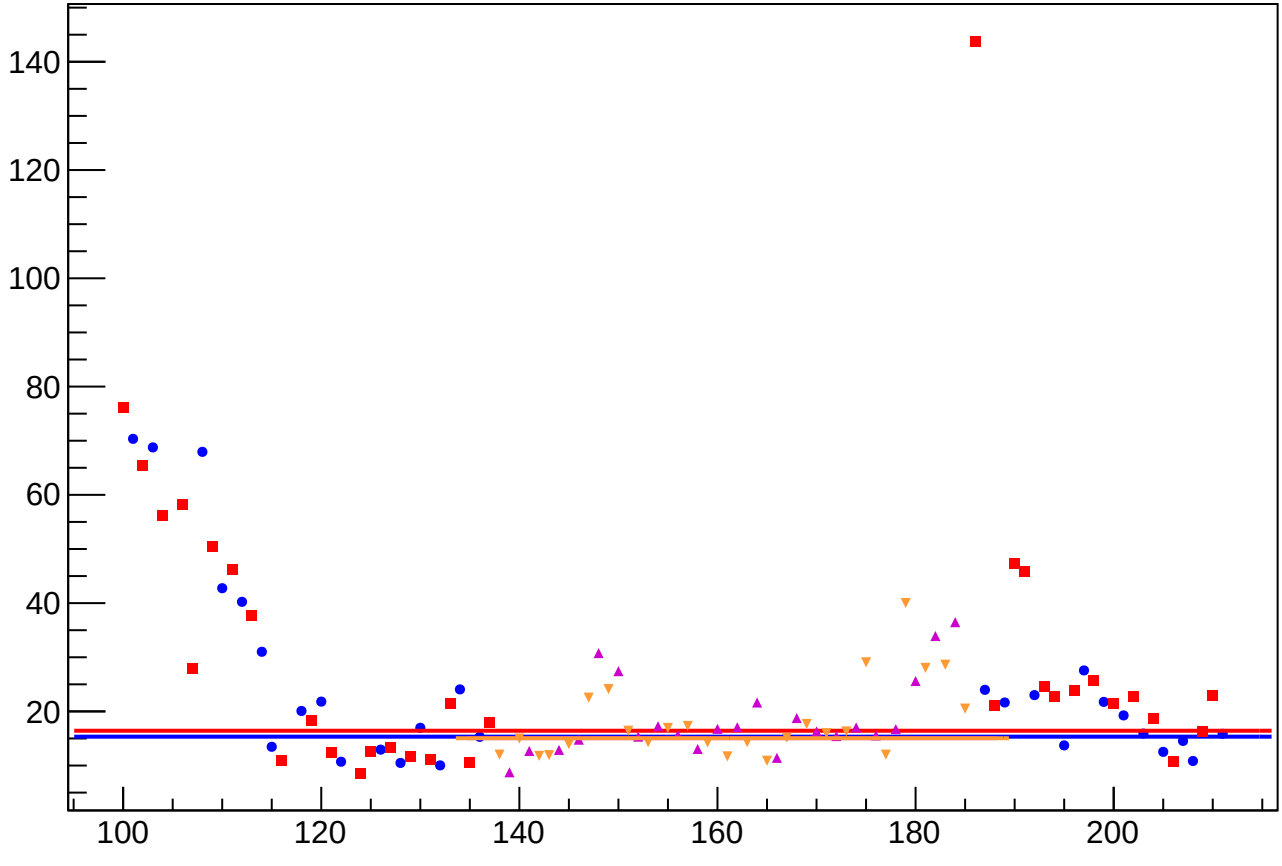
Right: -0.005+/-0.003 χ^2/NDF: 65.7/60

In: 0.001+/-0.003 χ^2/NDF:69.7/50

Out: 0.000+/-0.003 χ^2/NDF:66.4/57

All: 0.001+/-0.002 χ^2/NDF: 136.1/108

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.333+/-0.003 χ^2/NDF: 4666328.9/27

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.428+/-0.003 χ^2/NDF: 6546273.9/32

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

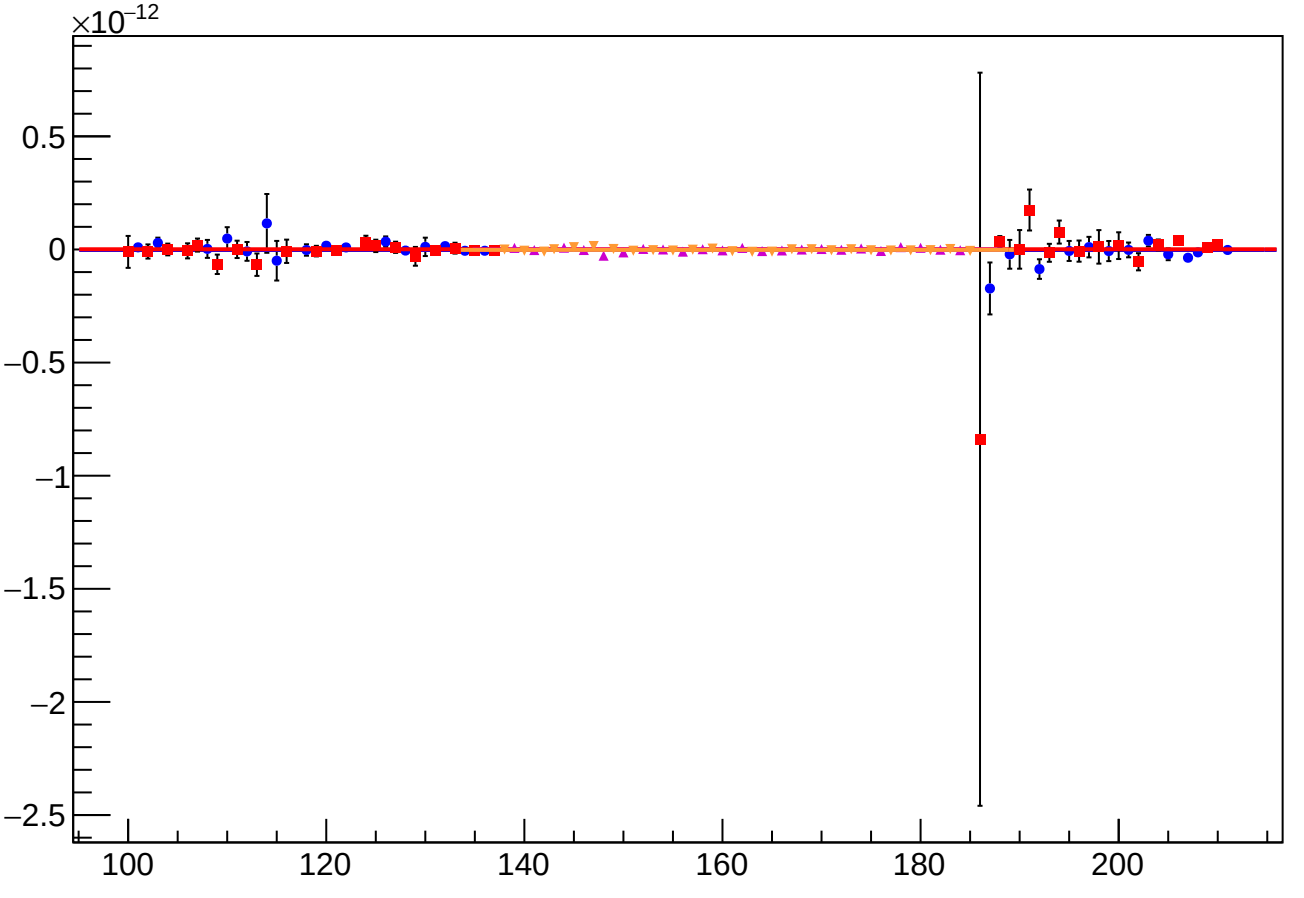
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.857+/-0.002 χ^2/NDF: 11275087.6/60

In: 15.186+/-0.002 χ^2/NDF:7737241.1/50

Out: 15.603+/-0.002 χ^2/NDF:9418342.3/57

All: 15.396+/-0.001 χ^2/NDF: 17177085.1/108



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/32

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

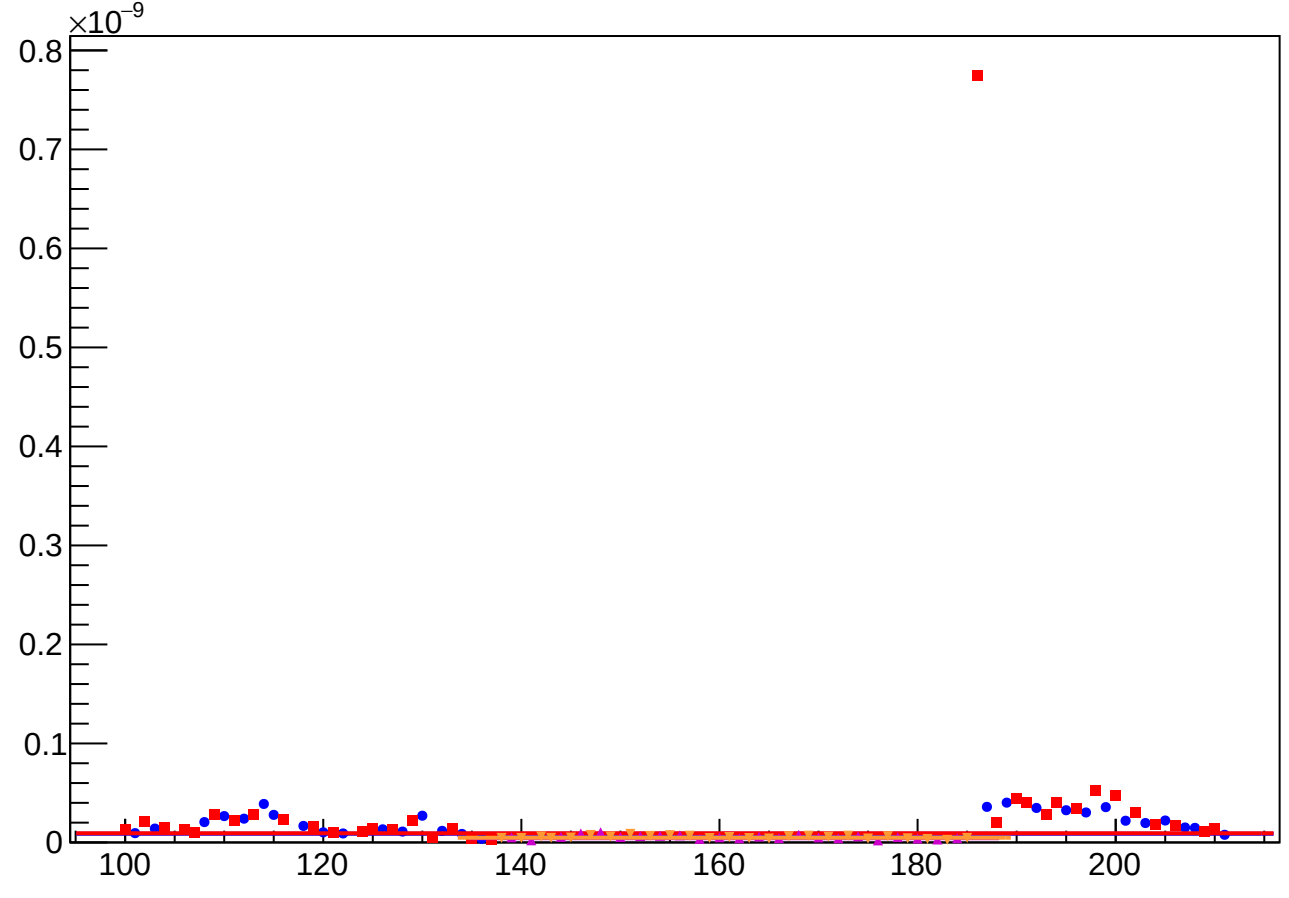
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 47.0/60

In: -0.000+/-0.000 χ^2/NDF:44.5/50

Out: -0.000+/-0.000 χ^2/NDF:39.3/57

All: -0.000+/-0.000 χ^2/NDF: 83.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 8809465.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11060418.3/32

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

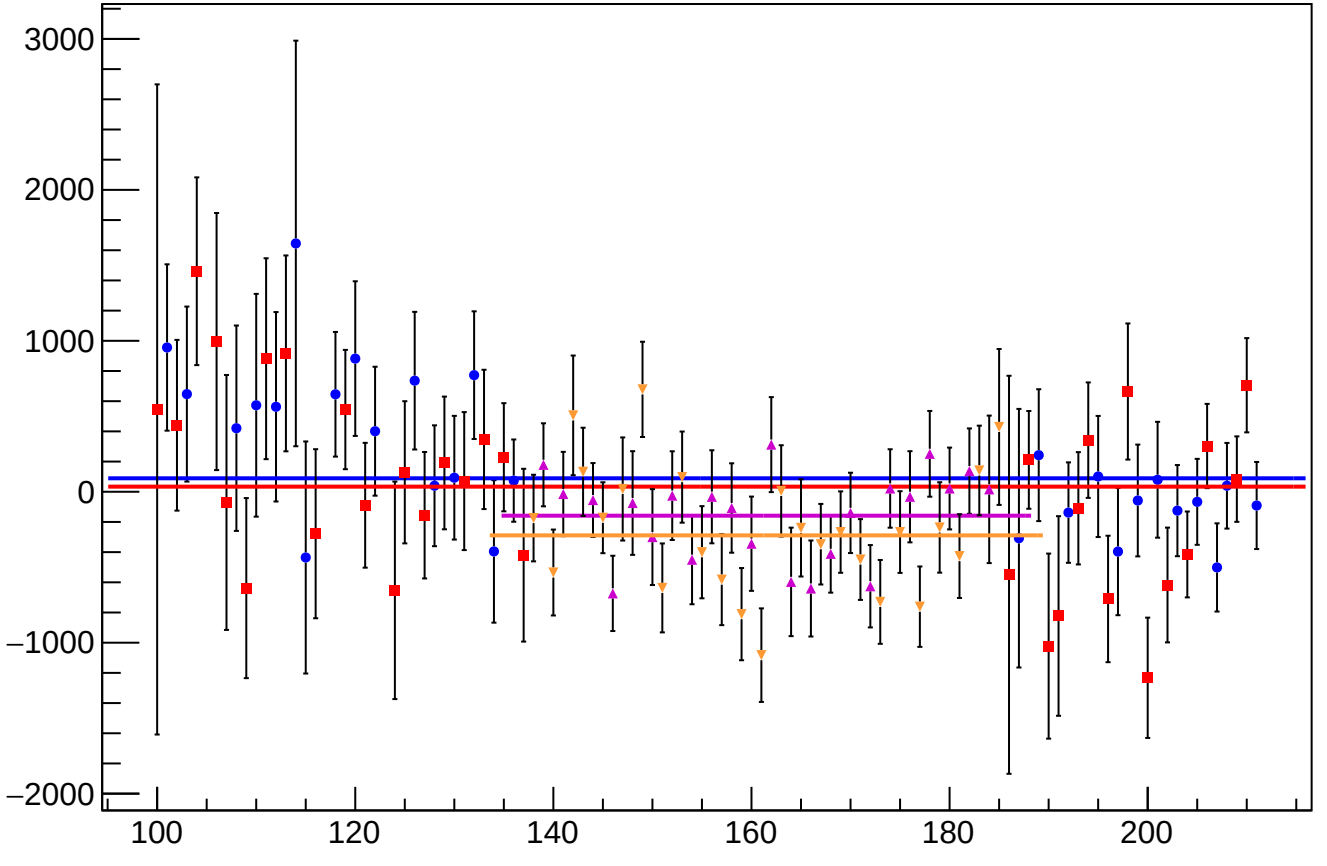
Right: 0.000+/-0.000 χ^2/NDF: 19887718.8/60

In: 0.000+/-0.000 χ^2/NDF:15460248.0/50

Out: 0.000+/-0.000 χ^2/NDF:15983207.8/57

All: 0.000+/-0.000 χ^2/NDF: 31582449.8/108

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 89.203+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 33.851+/-76.672 χ^2/NDF: 48.8/32

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

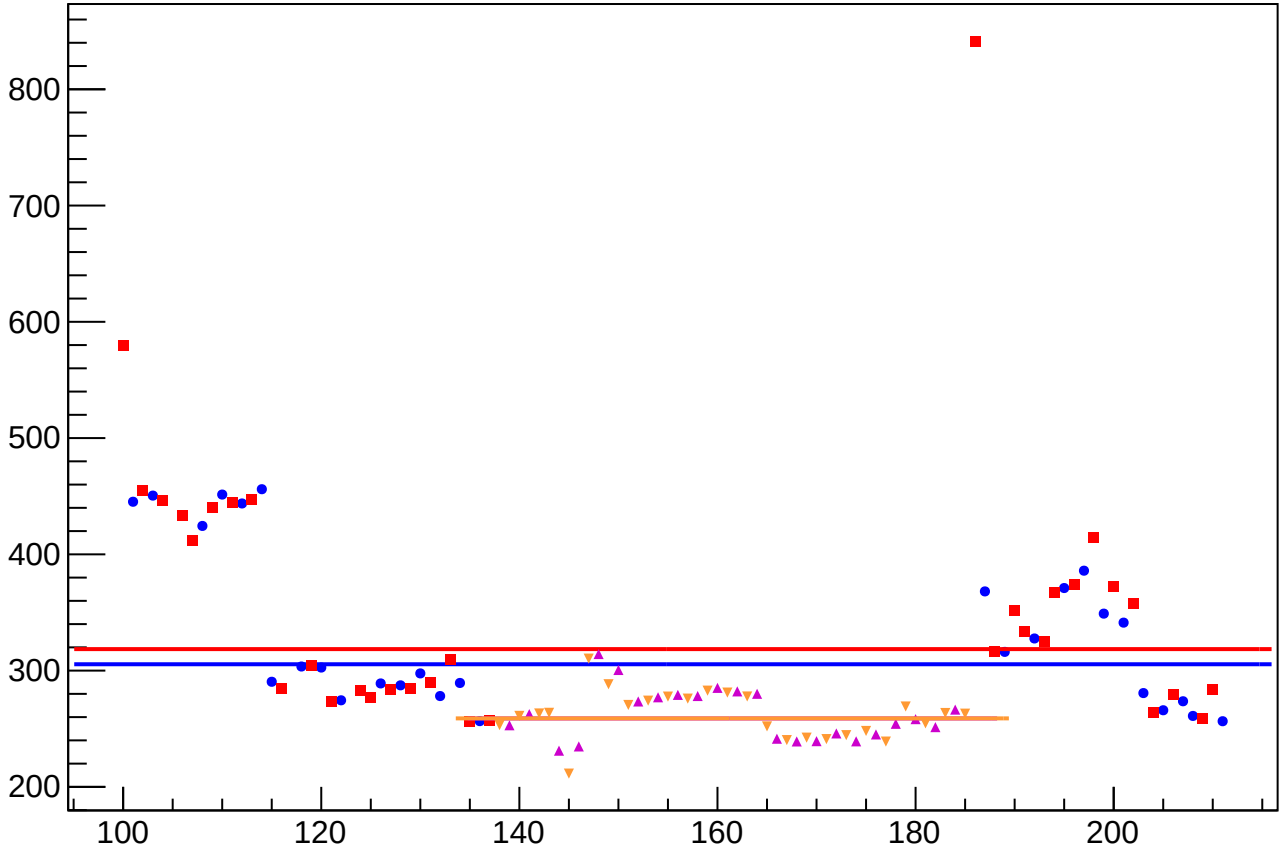
Right: 61.660+/-54.085 χ^2/NDF: 73.5/60

In: -62.547+/-47.506 χ^2/NDF:53.5/50

Out: -168.789+/-46.776 χ^2/NDF:102.3/57

All: -116.491+/-33.331 χ^2/NDF: 158.3/108

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 305.469+/-0.054 χ^2/NDF: 984217.5/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 318.497+/-0.054 χ^2/NDF: 1461750.1/32

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

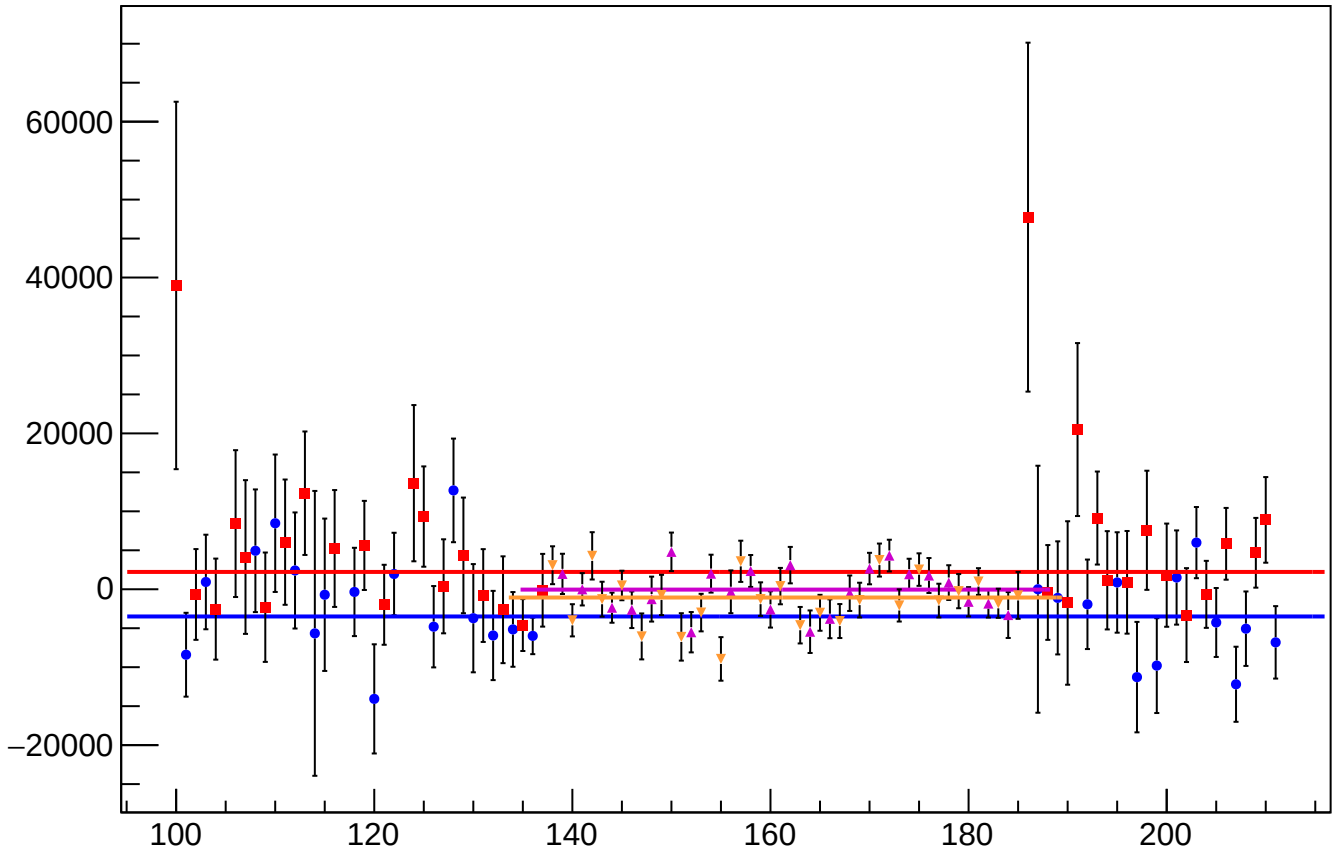
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.952+/-0.038 χ^2/NDF: 2474978.4/60

In: 276.916+/-0.034 χ^2/NDF:1686488.5/50

Out: 281.089+/-0.033 χ^2/NDF:2468824.9/57

All: 279.035+/-0.024 χ^2/NDF: 4163148.3/108



Right In: -3491.000+/-1037.196 χ^2/NDF: 28.0/27

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 2224.006+/-1081.861 χ^2/NDF: 27.8/32

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

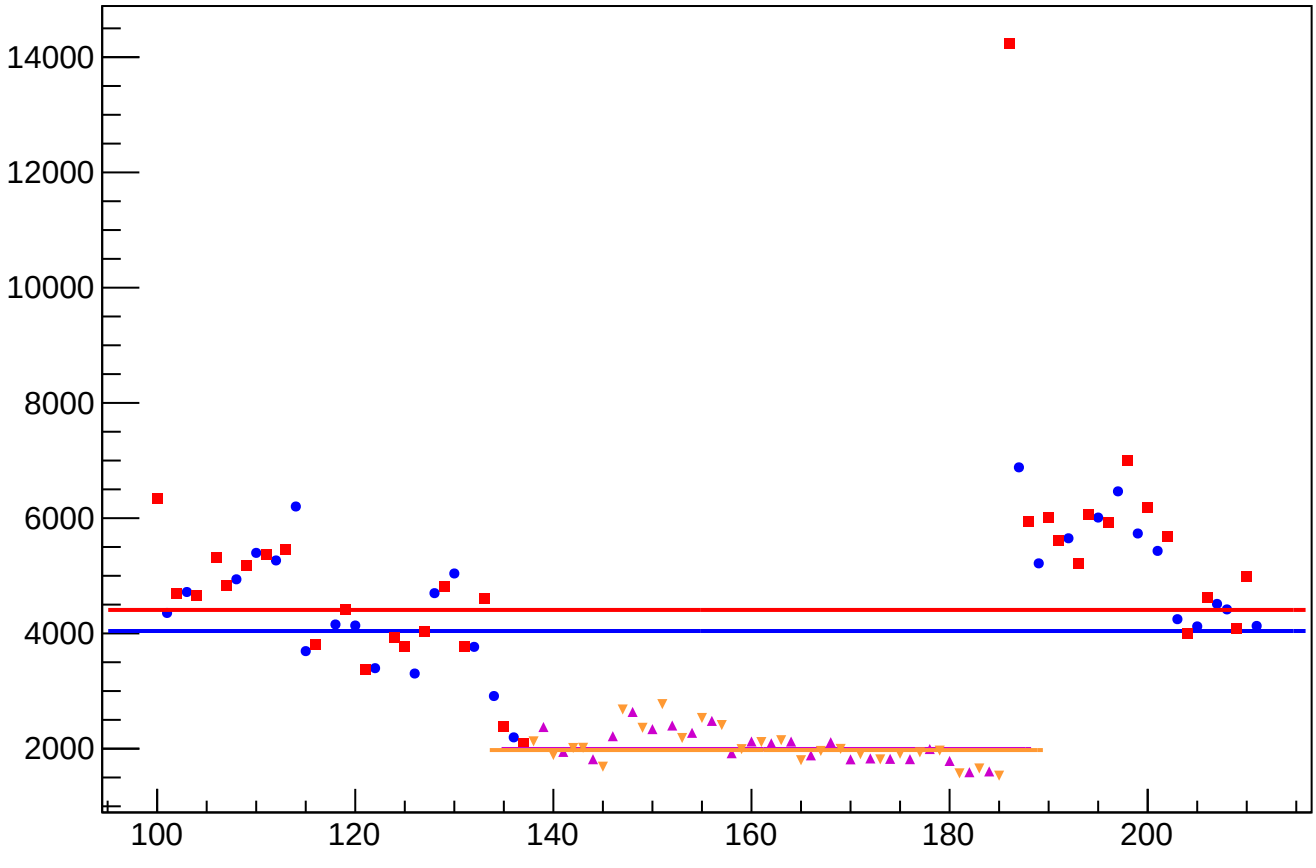
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -753.906+/-748.701 χ^2/NDF: 70.4/60

In: -632.971+/-428.627 χ^2/NDF:71.3/50

Out: -566.412+/-419.144 χ^2/NDF:77.1/57

All: -598.947+/-299.676 χ^2/NDF: 148.5/108



Right In: 4042.070+/-0.733 χ^2/NDF: 2668397.8/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4407.561+/-0.765 χ^2/NDF: 2904048.0/32

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

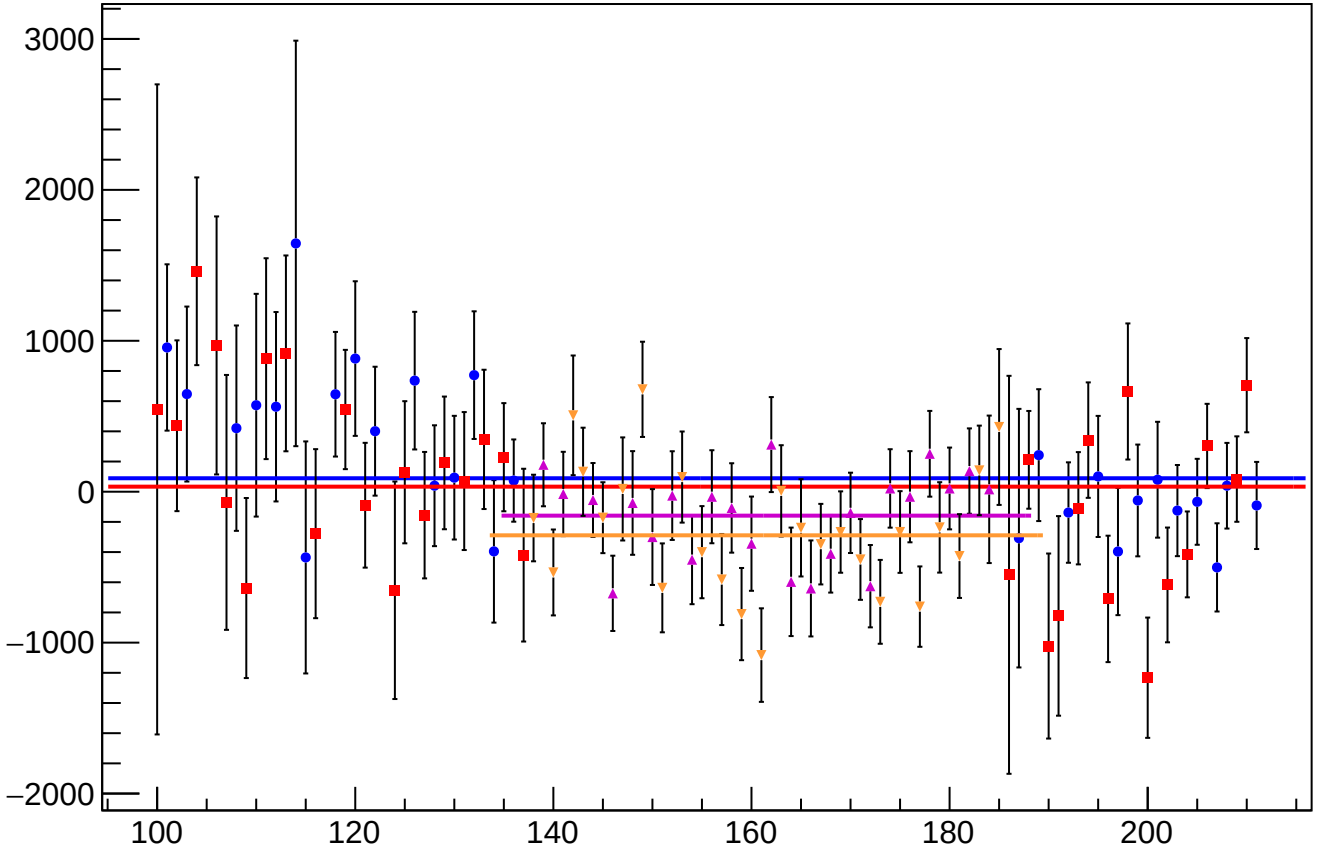
Right: 4217.115+/-0.529 χ^2/NDF: 5691387.4/60

In: 2344.400+/-0.303 χ^2/NDF:9730077.4/50

Out: 2340.952+/-0.296 χ^2/NDF:12254265.9/57

All: 2342.637+/-0.212 χ^2/NDF: 21984409.5/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 89.177+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 33.507+/-76.675 χ^2/NDF: 48.7/32

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

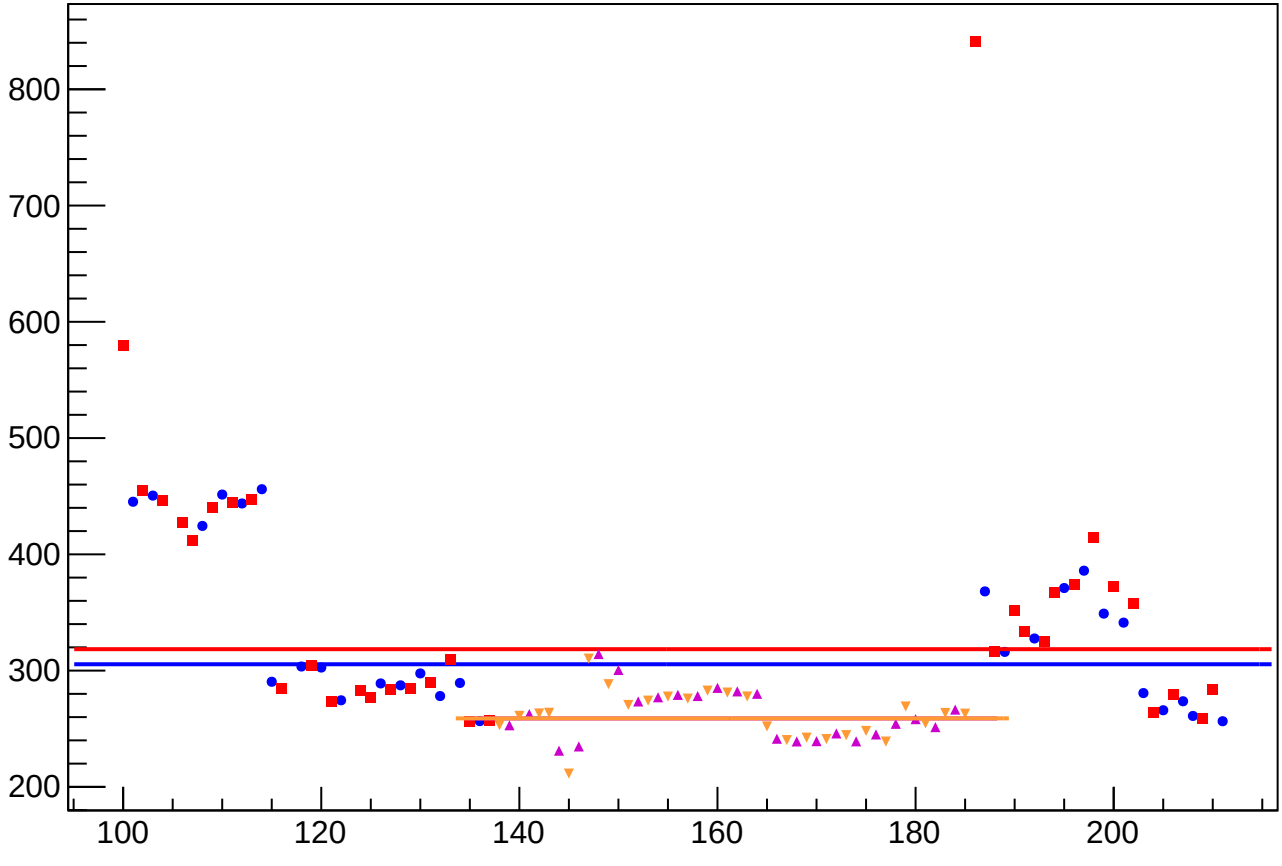
Right: 61.477+/-54.086 χ^2/NDF: 73.4/60

In: -62.564+/-47.506 χ^2/NDF:53.5/50

Out: -168.926+/-46.777 χ^2/NDF:102.2/57

All: -116.568+/-33.331 χ^2/NDF: 158.2/108

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 305.469+/-0.054 χ^2/NDF: 984219.0/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 318.437+/-0.054 χ^2/NDF: 1457532.8/32

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

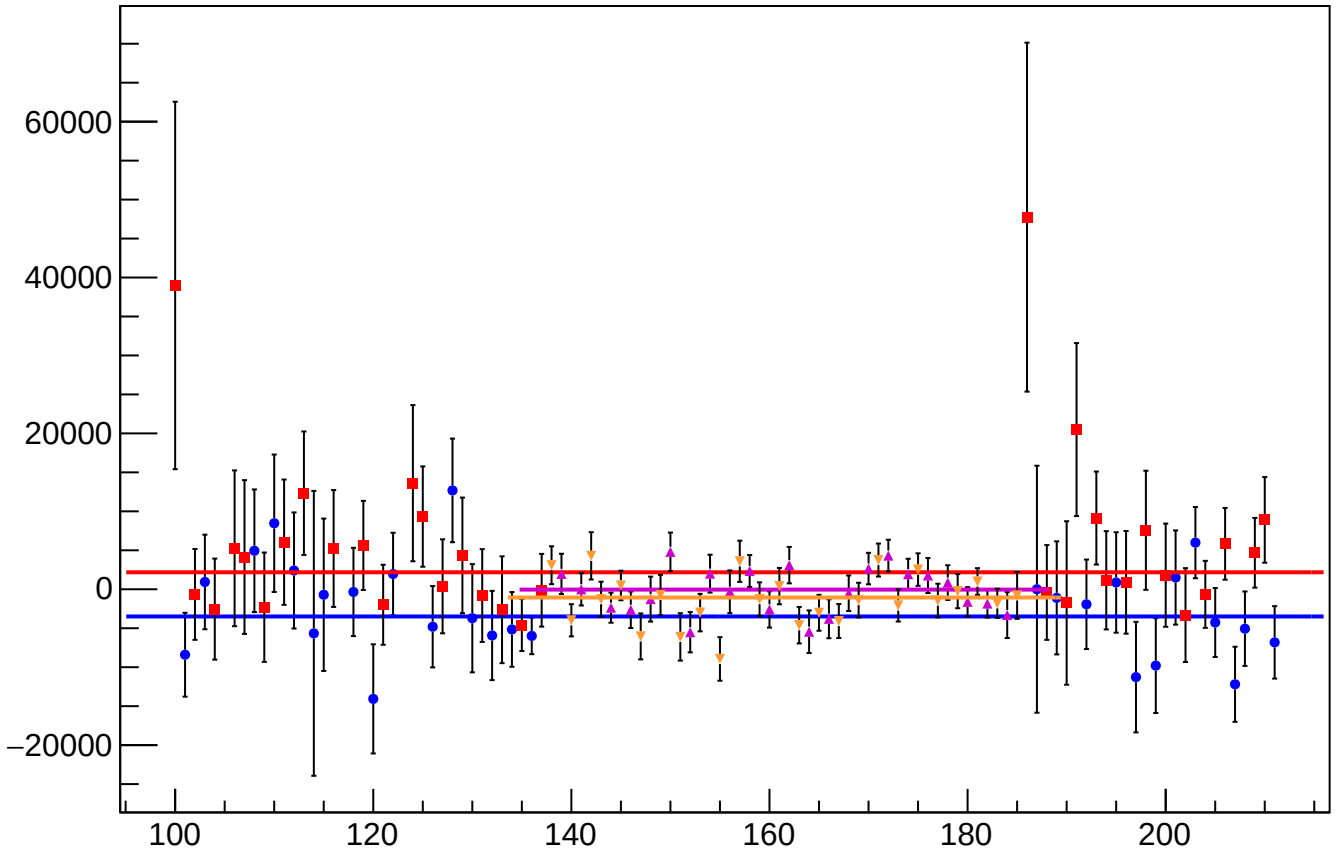
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.922+/-0.038 χ^2/NDF: 2470493.2/60

In: 276.916+/-0.034 χ^2/NDF:1686490.1/50

Out: 281.066+/-0.033 χ^2/NDF:2463035.6/57

All: 279.023+/-0.024 χ^2/NDF: 4157272.3/108



Right In: -3490.975+/-1037.197 χ^2/NDF: 28.0/27

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2178.066+/-1082.677 χ^2/NDF: 27.5/32

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

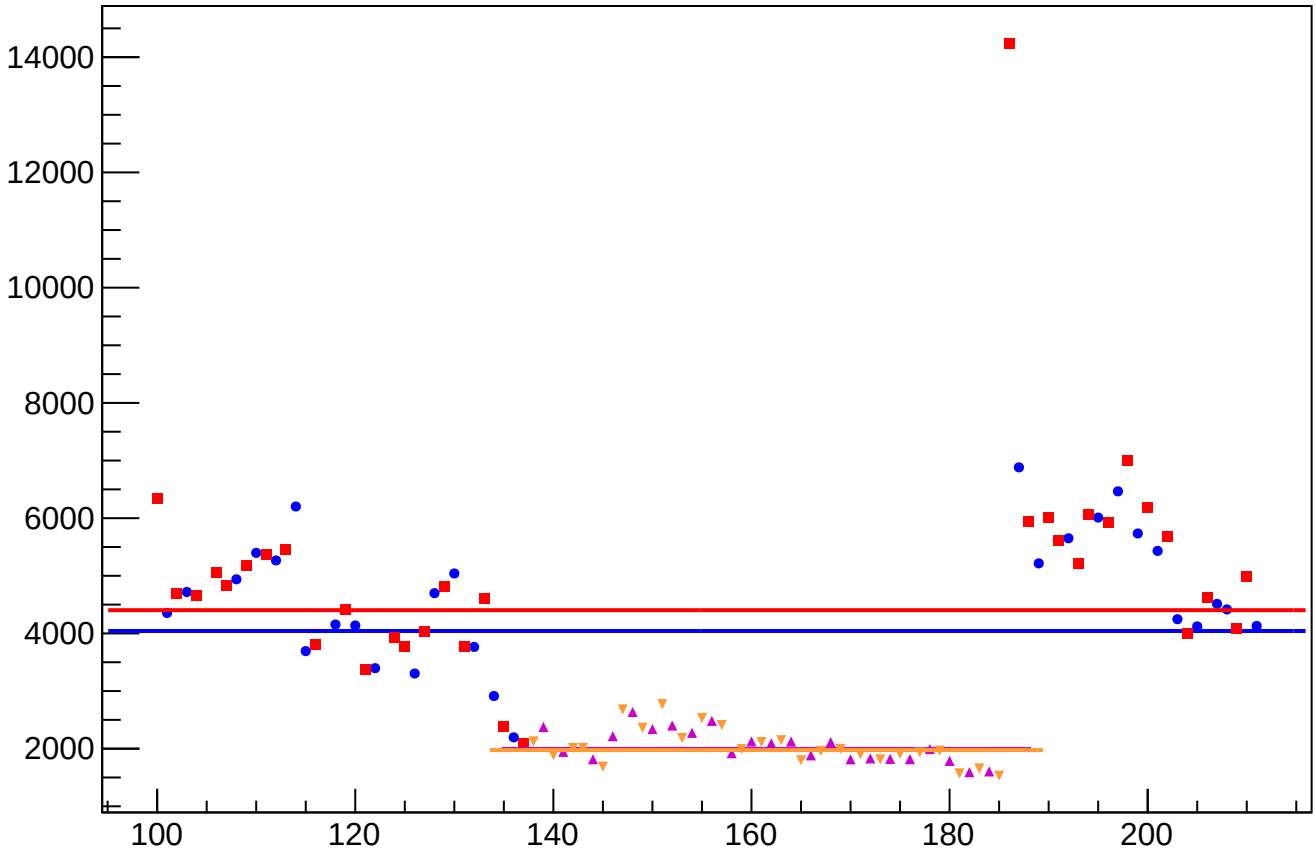
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -778.024+/-748.971 χ^2/NDF: 69.8/60

In: -632.962+/-428.627 χ^2/NDF:71.3/50

Out: -573.933+/-419.192 χ^2/NDF:76.6/57

All: -602.791+/-299.693 χ^2/NDF: 147.9/108



Right In: 4042.074+/-0.733 χ^2/NDF: 2668407.1/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4403.423+/-0.766 χ^2/NDF: 2894365.5/32

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

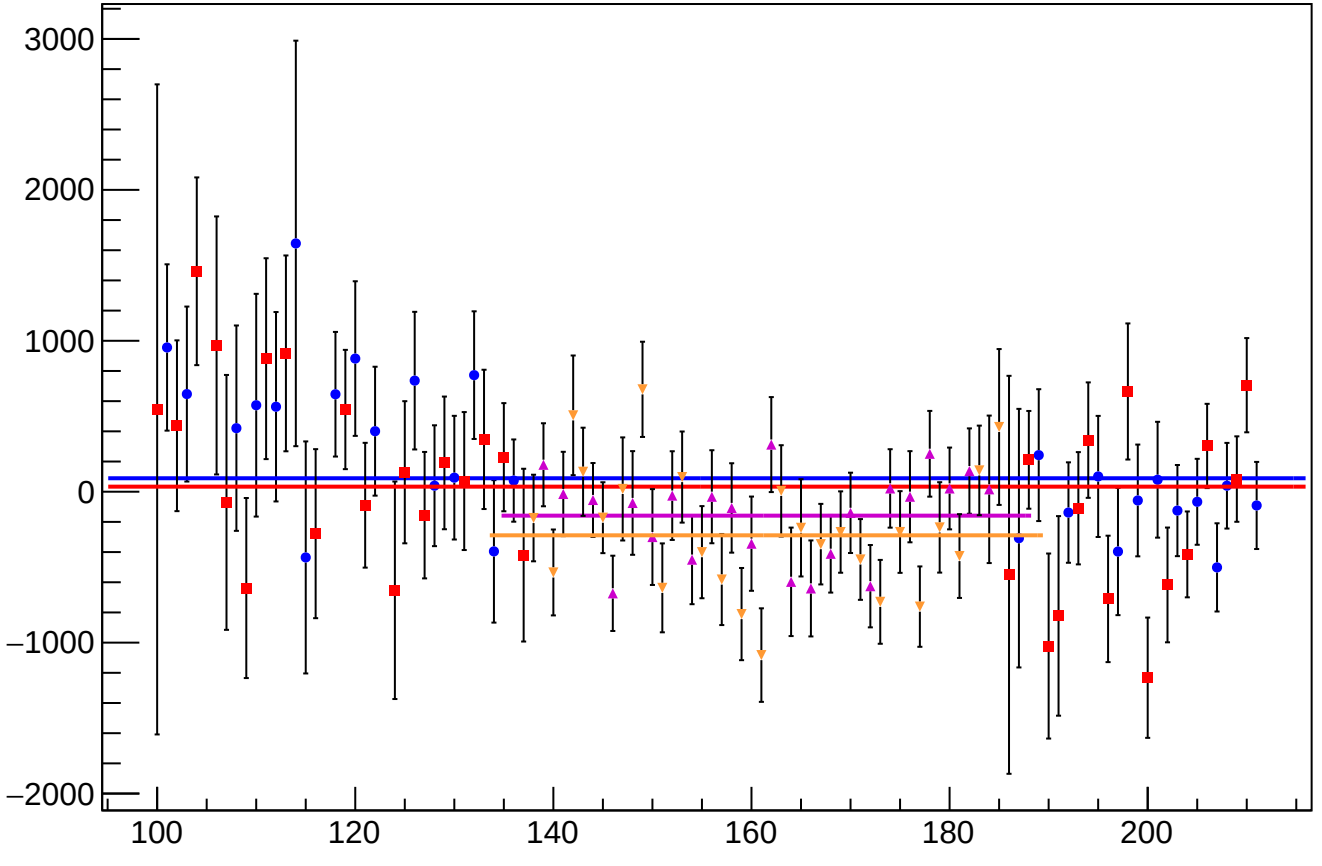
Right: 4215.000+/-0.530 χ^2/NDF: 5678942.2/60

In: 2344.400+/-0.303 χ^2/NDF:9730097.2/50

Out: 2339.864+/-0.296 χ^2/NDF:12204423.1/57

All: 2342.082+/-0.212 χ^2/NDF: 21934634.8/1

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 89.177+/-76.304 χ^2/NDF: 24.5/27

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 33.507+/-76.675 χ^2/NDF: 48.7/32

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

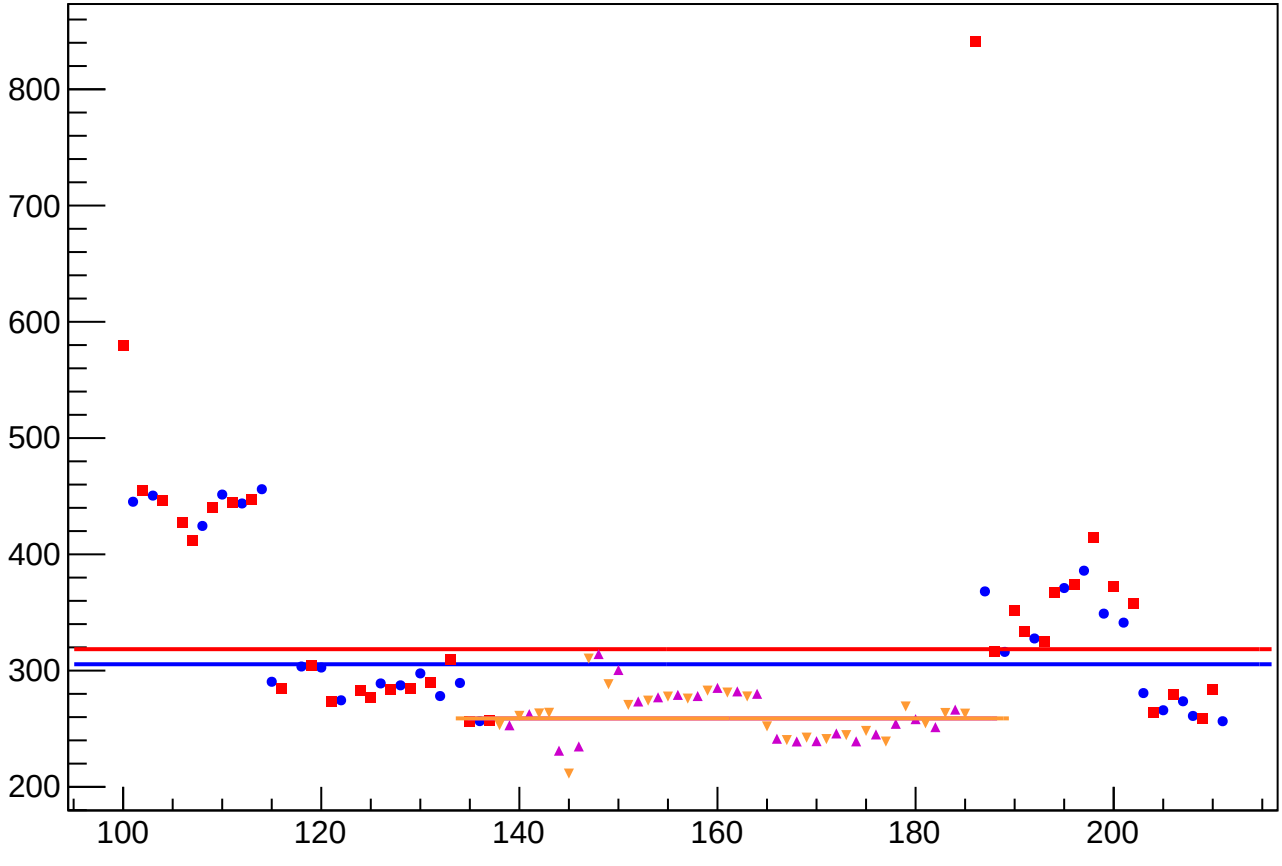
Right: 61.477+/-54.086 χ^2/NDF: 73.4/60

In: -62.564+/-47.506 χ^2/NDF:53.5/50

Out: -168.926+/-46.777 χ^2/NDF:102.2/57

All: -116.568+/-33.331 χ^2/NDF: 158.2/108

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 305.469+/-0.054 χ^2/NDF: 984219.0/27

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 318.437+/-0.054 χ^2/NDF: 1457532.8/32

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

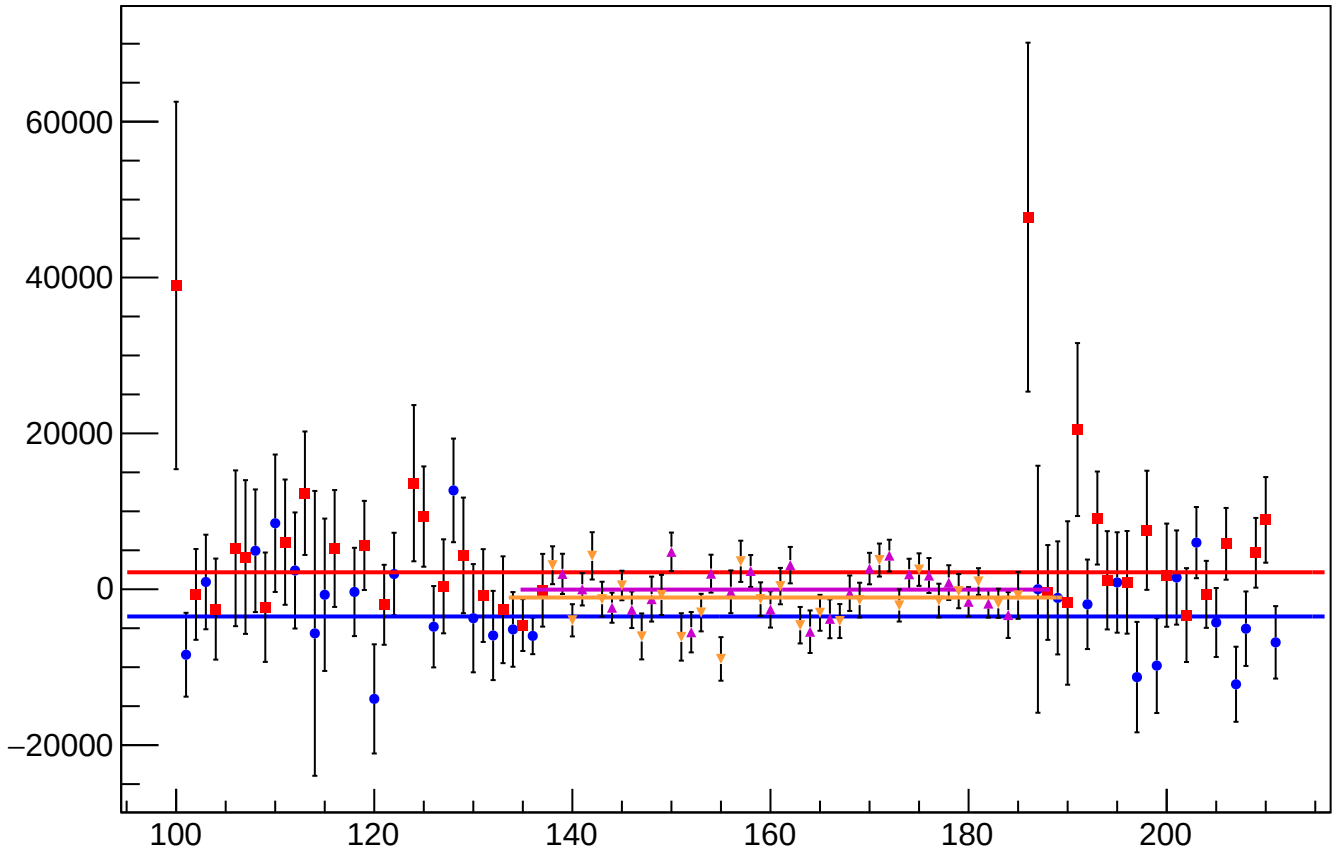
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 311.922+/-0.038 χ^2/NDF: 2470493.2/60

In: 276.916+/-0.034 χ^2/NDF:1686490.1/50

Out: 281.066+/-0.033 χ^2/NDF:2463035.6/57

All: 279.023+/-0.024 χ^2/NDF: 4157272.3/108



Right In: -3490.975+/-1037.197 χ^2/NDF: 28.0/27

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2178.066+/-1082.677 χ^2/NDF: 27.5/32

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

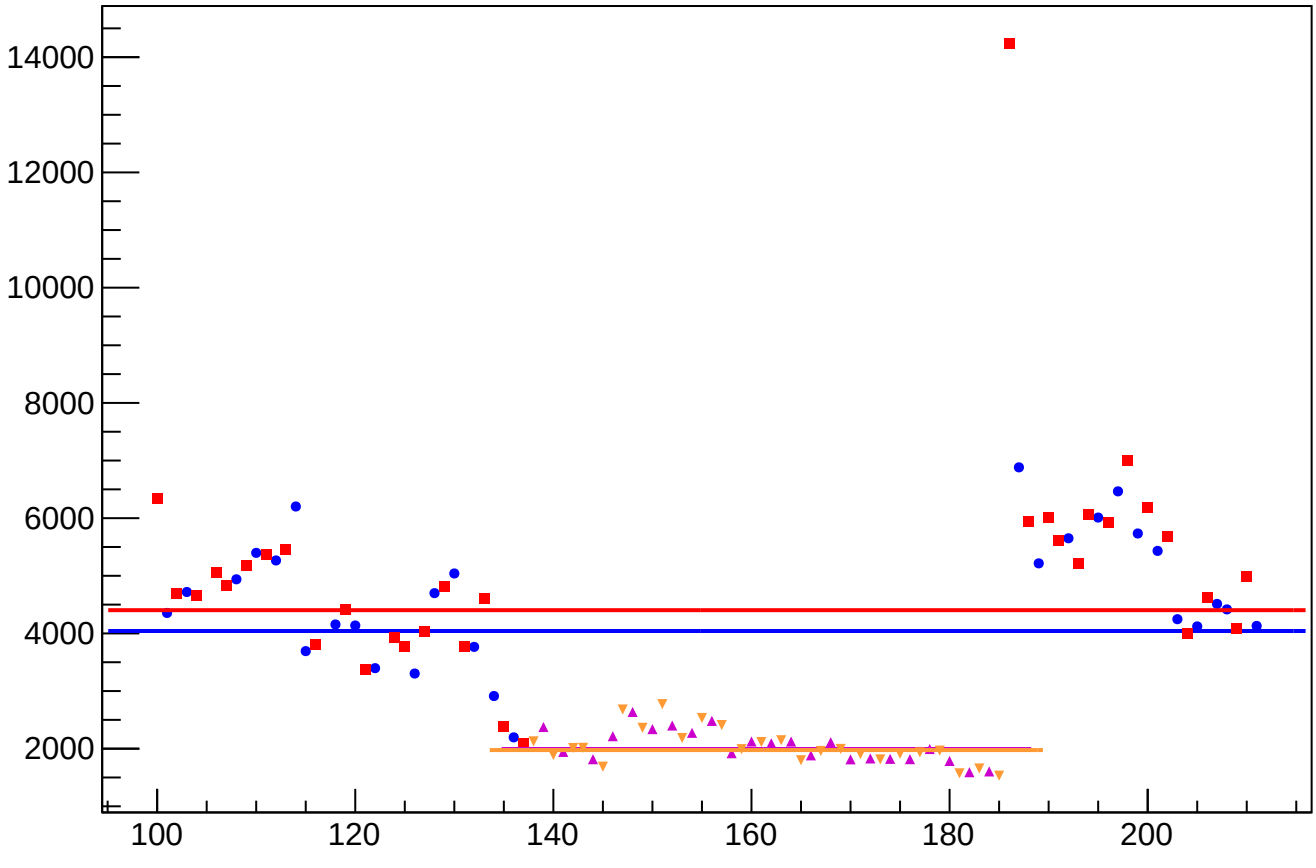
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -778.024+/-748.971 χ^2/NDF: 69.8/60

In: -632.962+/-428.627 χ^2/NDF:71.3/50

Out: -573.933+/-419.192 χ^2/NDF:76.6/57

All: -602.791+/-299.693 χ^2/NDF: 147.9/108



Right In: 4042.074+/-0.733 χ^2/NDF: 2668407.1/27

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4403.423+/-0.766 χ^2/NDF: 2894365.5/32

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

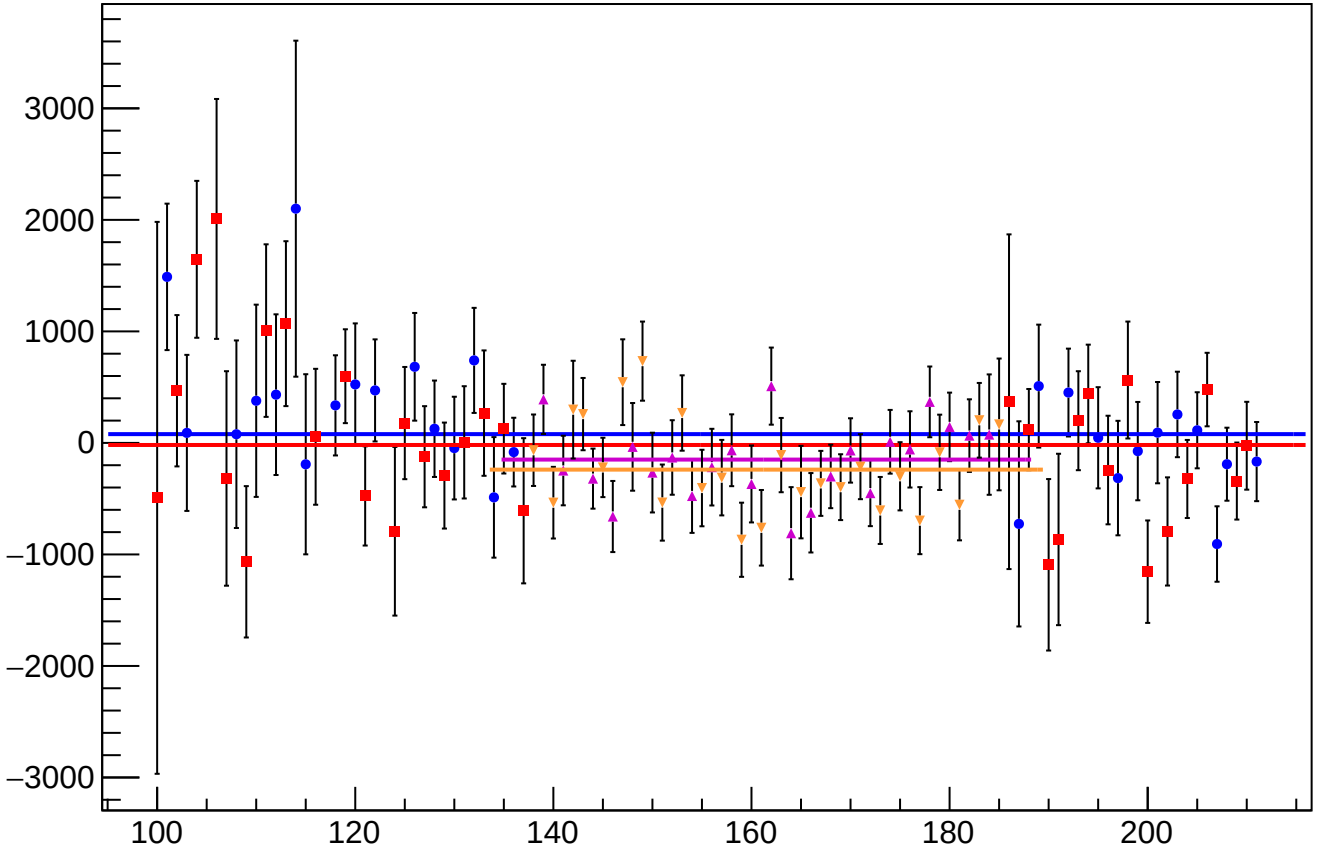
Right: 4215.000+/-0.530 χ^2/NDF: 5678942.2/60

In: 2344.400+/-0.303 χ^2/NDF:9730097.2/50

Out: 2339.864+/-0.296 χ^2/NDF:12204423.1/57

All: 2342.082+/-0.212 χ^2/NDF: 21934634.8/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 78.769+/-88.420 χ^2/NDF: 26.5/27

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -18.550+/-88.865 χ^2/NDF: 40.8/32

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

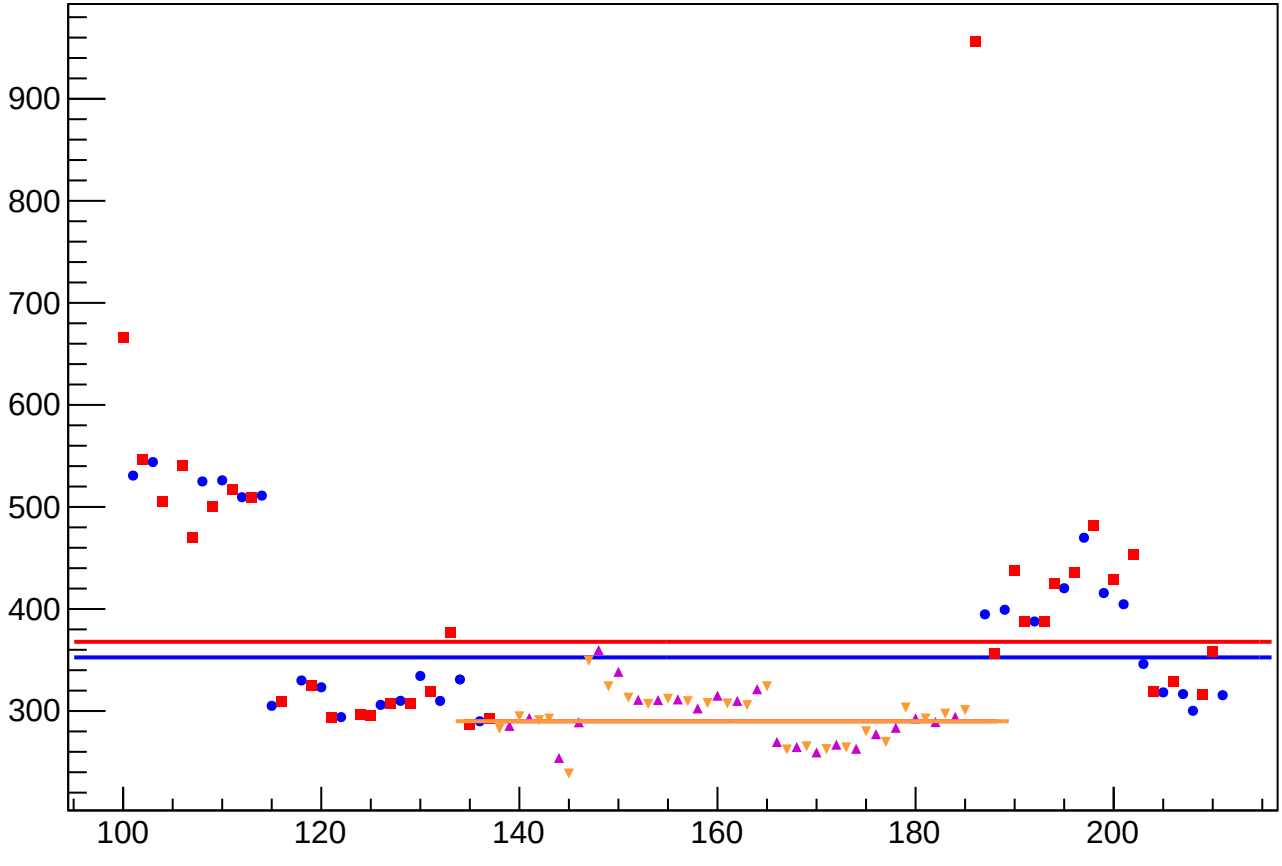
Right: 30.354+/-62.679 χ^2/NDF: 67.9/60

In: -64.426+/-53.982 χ^2/NDF:52.3/50

Out: -160.727+/-53.072 χ^2/NDF:78.9/57

All: -113.396+/-37.845 χ^2/NDF: 132.8/108

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 352.549+/-0.063 χ^2/NDF: 1140080.4/27

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 367.816+/-0.063 χ^2/NDF: 1598740.1/32

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

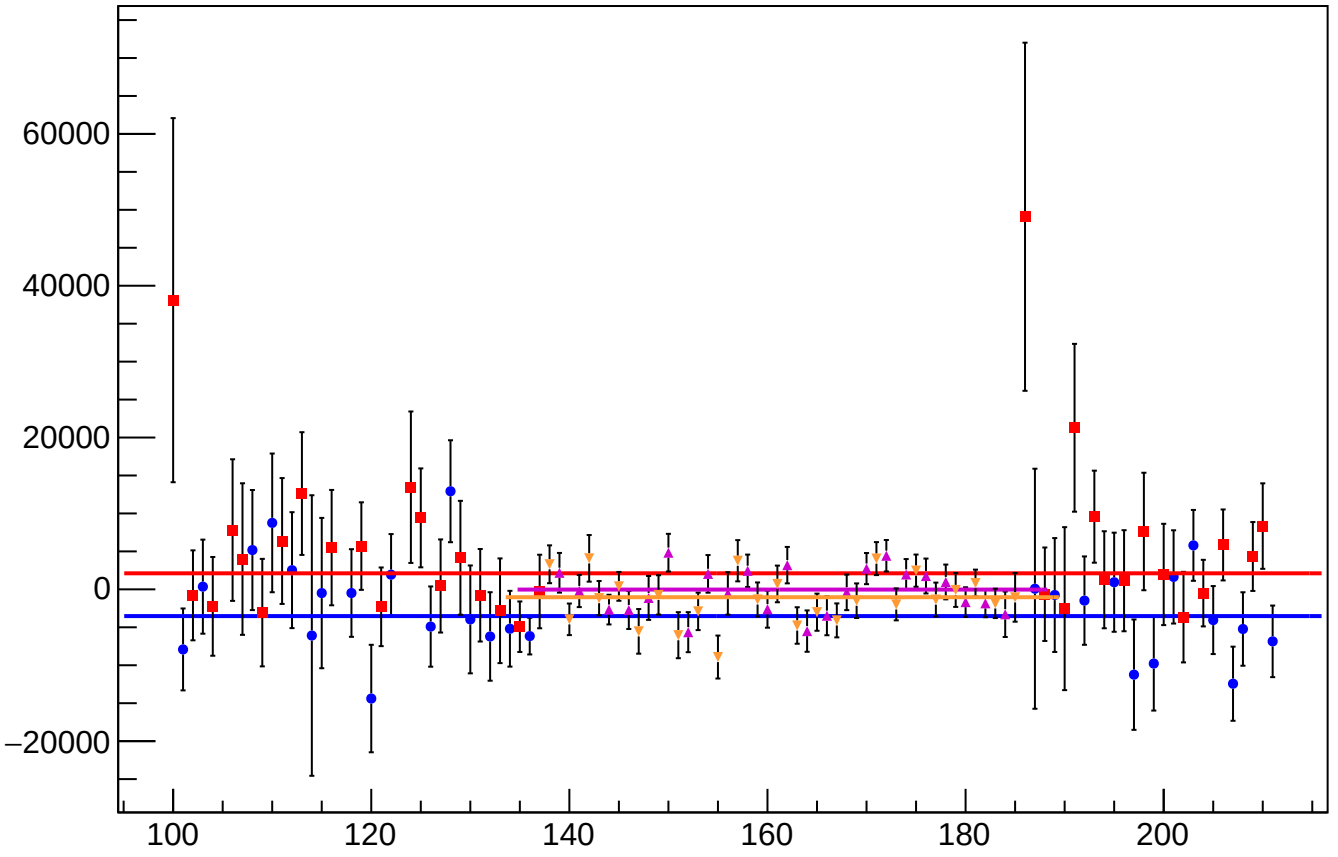
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 360.144+/-0.044 χ^2/NDF: 2768484.0/60

In: 313.277+/-0.038 χ^2/NDF:2038733.9/50

Out: 317.769+/-0.038 χ^2/NDF:2865415.4/57

All: 315.561+/-0.027 χ^2/NDF: 4911189.5/108



Right In: -3523.678+/-1057.882 χ^2/NDF: 27.6/27

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 2113.265+/-1095.553 χ^2/NDF: 28.3/32

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

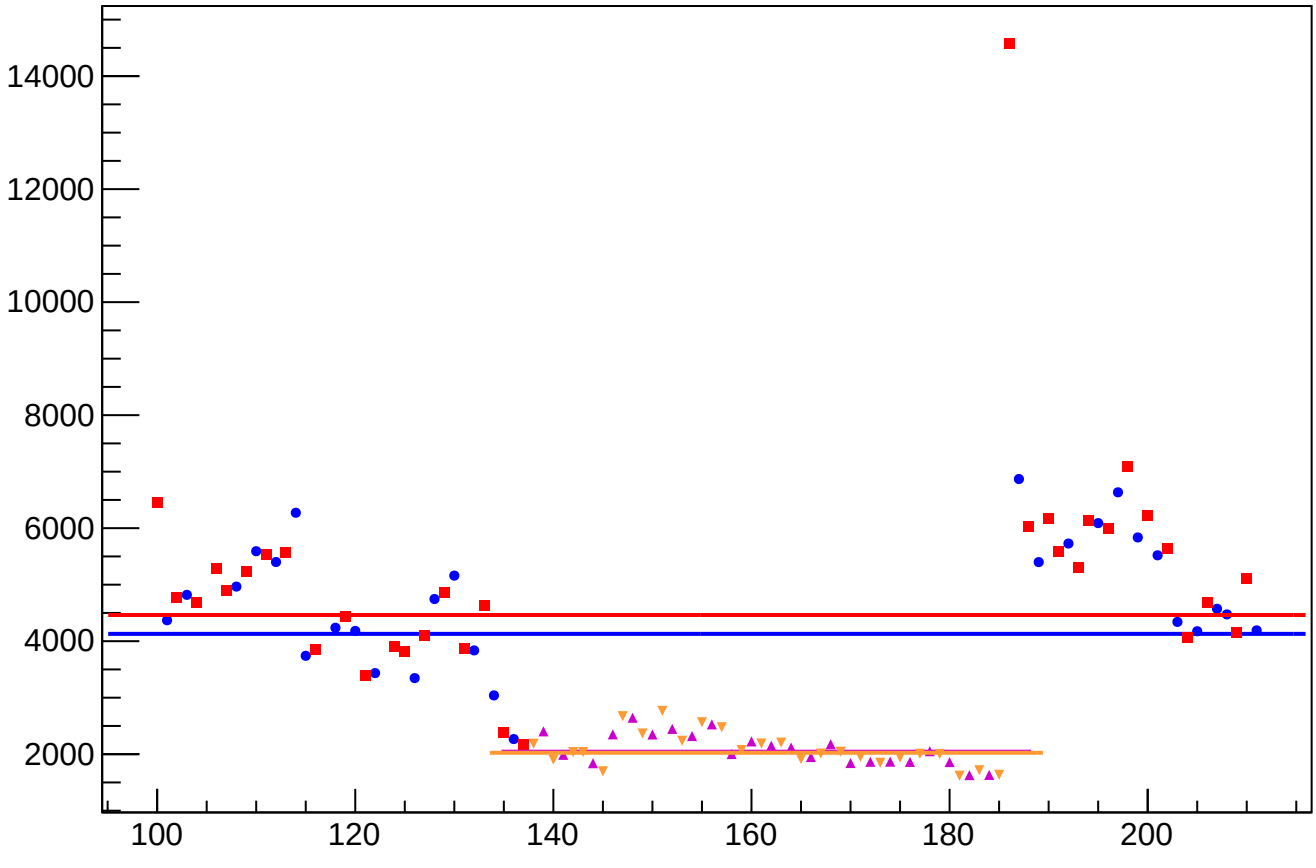
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -803.787+/-761.005 χ^2/NDF: 69.7/60

In: -631.498+/-438.829 χ^2/NDF:70.8/50

Out: -555.194+/-428.292 χ^2/NDF:75.6/57

All: -592.419+/-306.506 χ^2/NDF: 146.5/108



Right In: 4129.516+/-0.748 χ^2/NDF: 2583194.1/27

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4463.357+/-0.775 χ^2/NDF: 2895601.0/32

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

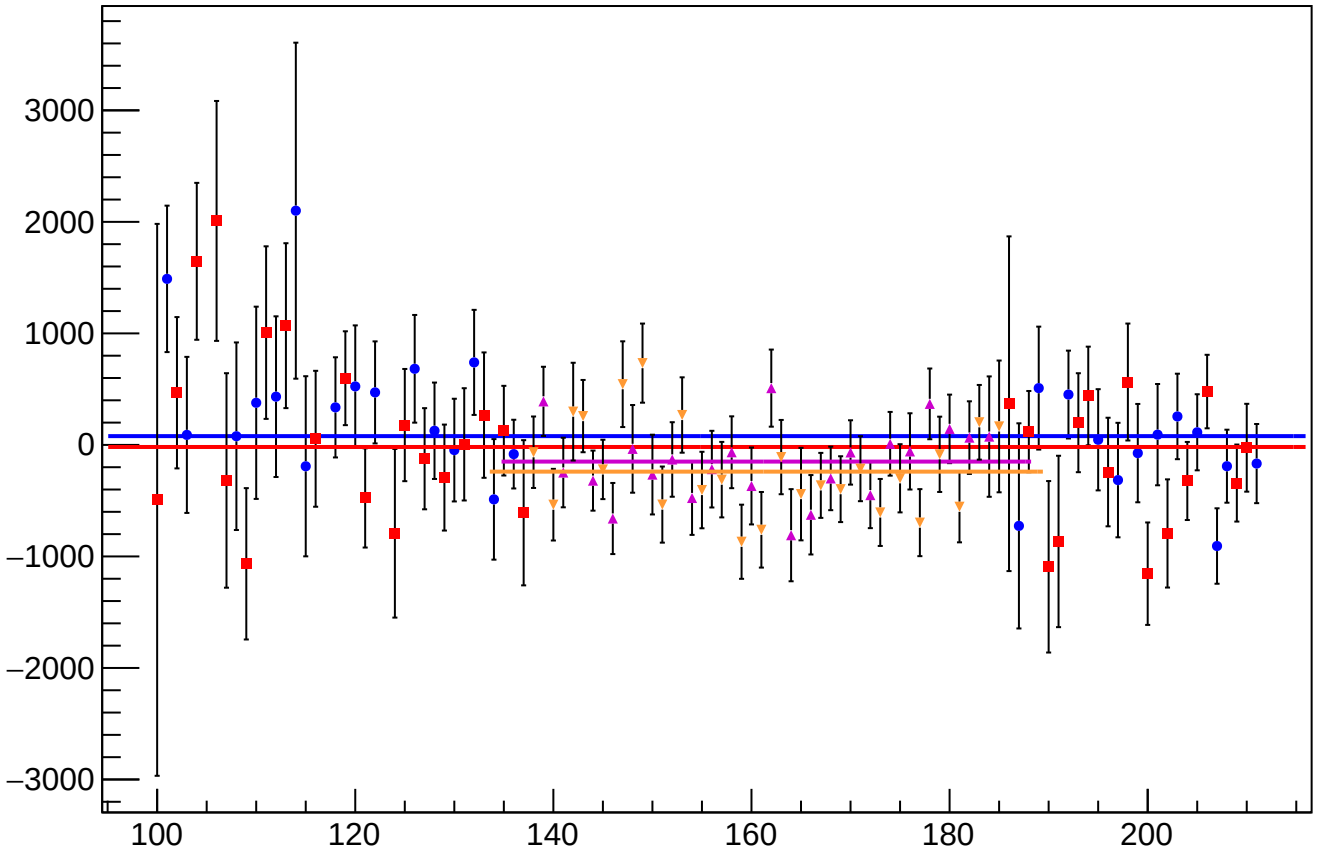
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4290.598+/-0.538 χ^2/NDF: 5574899.6/60

In: 2403.297+/-0.310 χ^2/NDF:9600268.7/50

Out: 2397.730+/-0.303 χ^2/NDF:11989038.9/57

All: 2400.446+/-0.217 χ^2/NDF: 21589472.4/1



Right In: 78.776+/-88.420 χ^2/NDF: 26.5/27

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -18.550+/-88.865 χ^2/NDF: 40.8/32

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

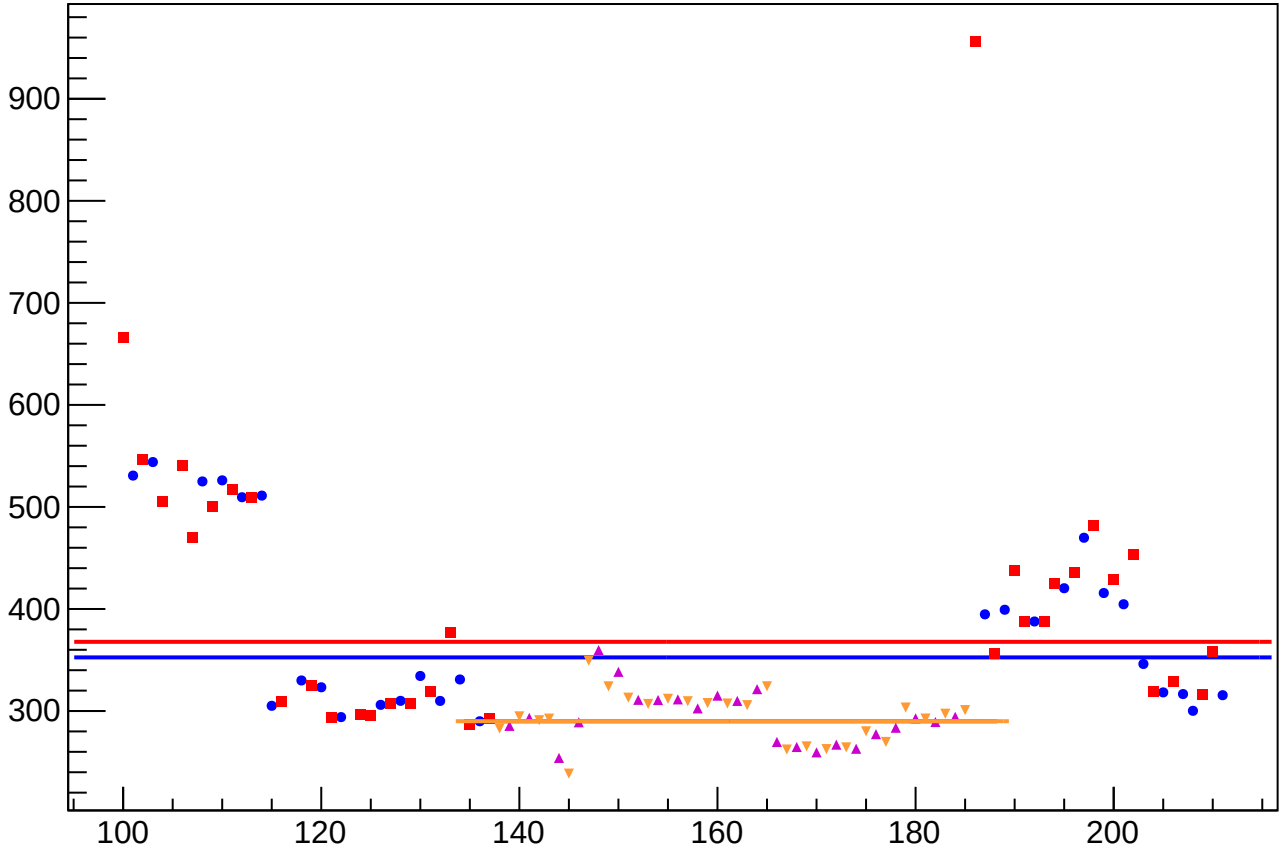
Right: 30.358+/-62.679 χ^2/NDF: 67.9/60

In: -64.424+/-53.982 χ^2/NDF:52.3/50

Out: -160.729+/-53.072 χ^2/NDF:78.9/57

All: -113.396+/-37.845 χ^2/NDF: 132.8/108

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 352.548+/-0.063 χ^2/NDF: 1140075.6/27

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 367.816+/-0.063 χ^2/NDF: 1598729.6/32

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

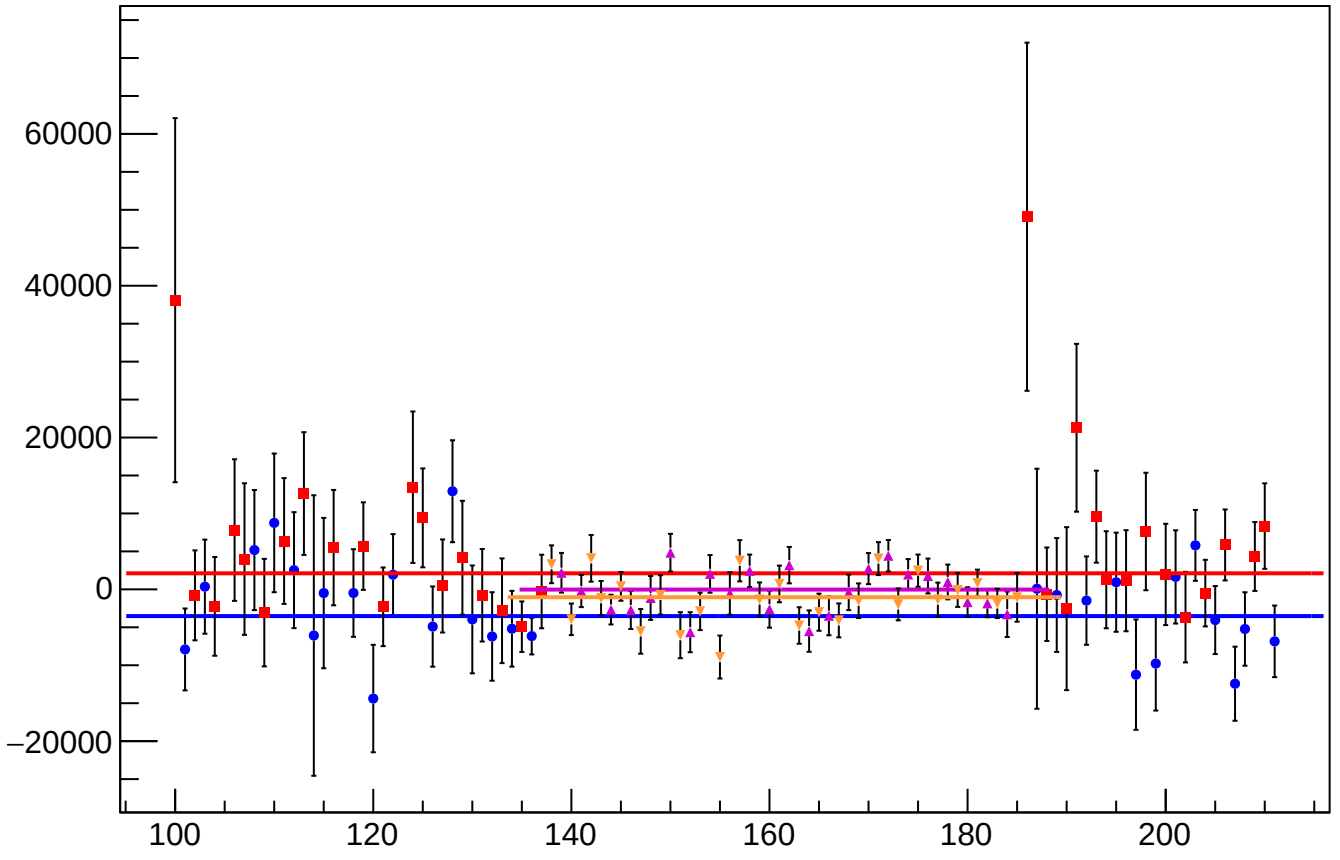
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 360.144+/-0.044 χ^2/NDF: 2768471.1/60

In: 313.277+/-0.038 χ^2/NDF:2038714.9/50

Out: 317.769+/-0.038 χ^2/NDF:2865401.3/57

All: 315.561+/-0.027 χ^2/NDF: 4911157.1/108



Right In: -3523.672+/-1057.881 χ^2/NDF: 27.6/27

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 2113.267+/-1095.552 χ^2/NDF: 28.3/32

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

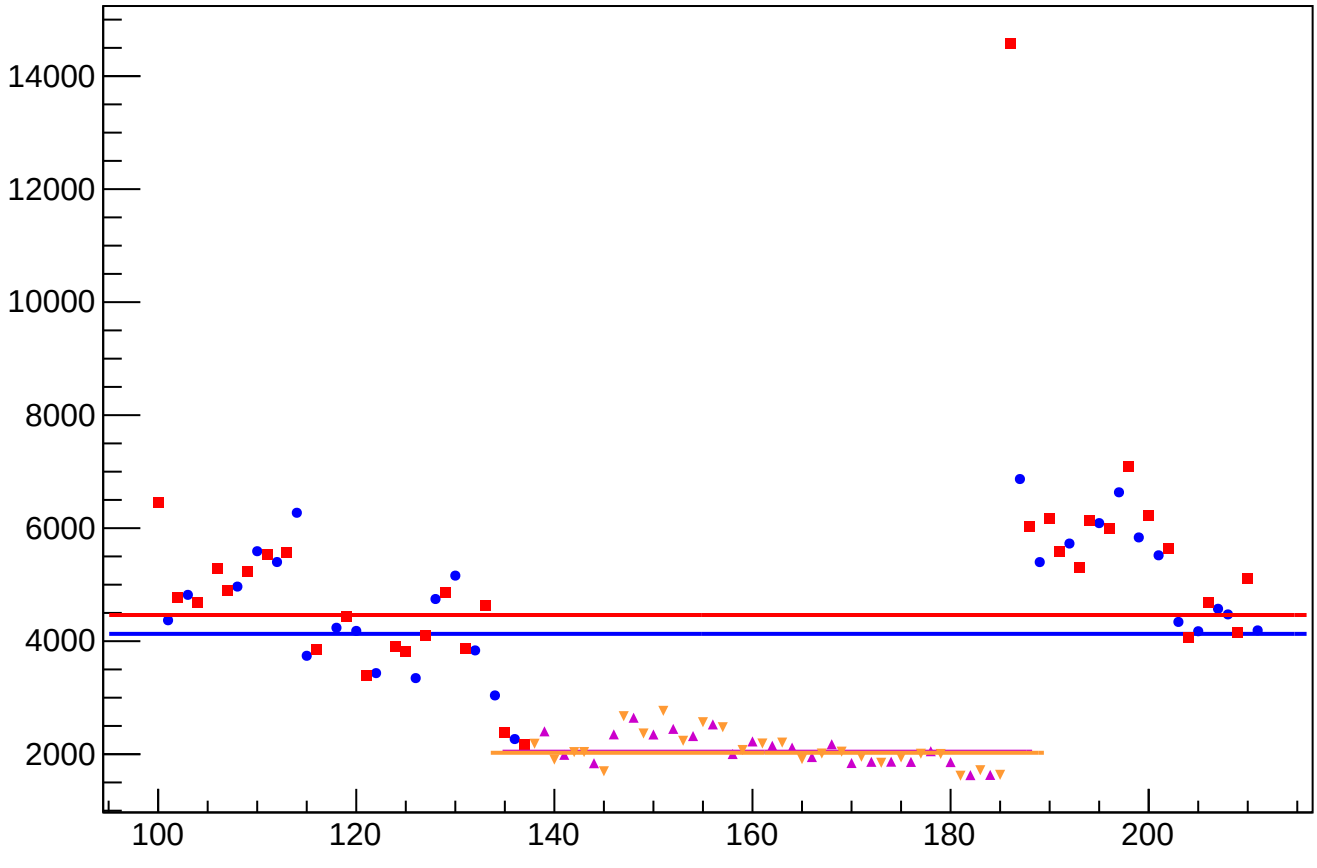
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -803.783+/-761.004 χ^2/NDF: 69.7/60

In: -631.497+/-438.829 χ^2/NDF:70.8/50

Out: -555.193+/-428.292 χ^2/NDF:75.6/57

All: -592.418+/-306.506 χ^2/NDF: 146.5/108



Right In: 4129.514+/-0.748 χ^2/NDF: 2583185.4/27

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4463.355+/-0.775 χ^2/NDF: 2895596.9/32

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

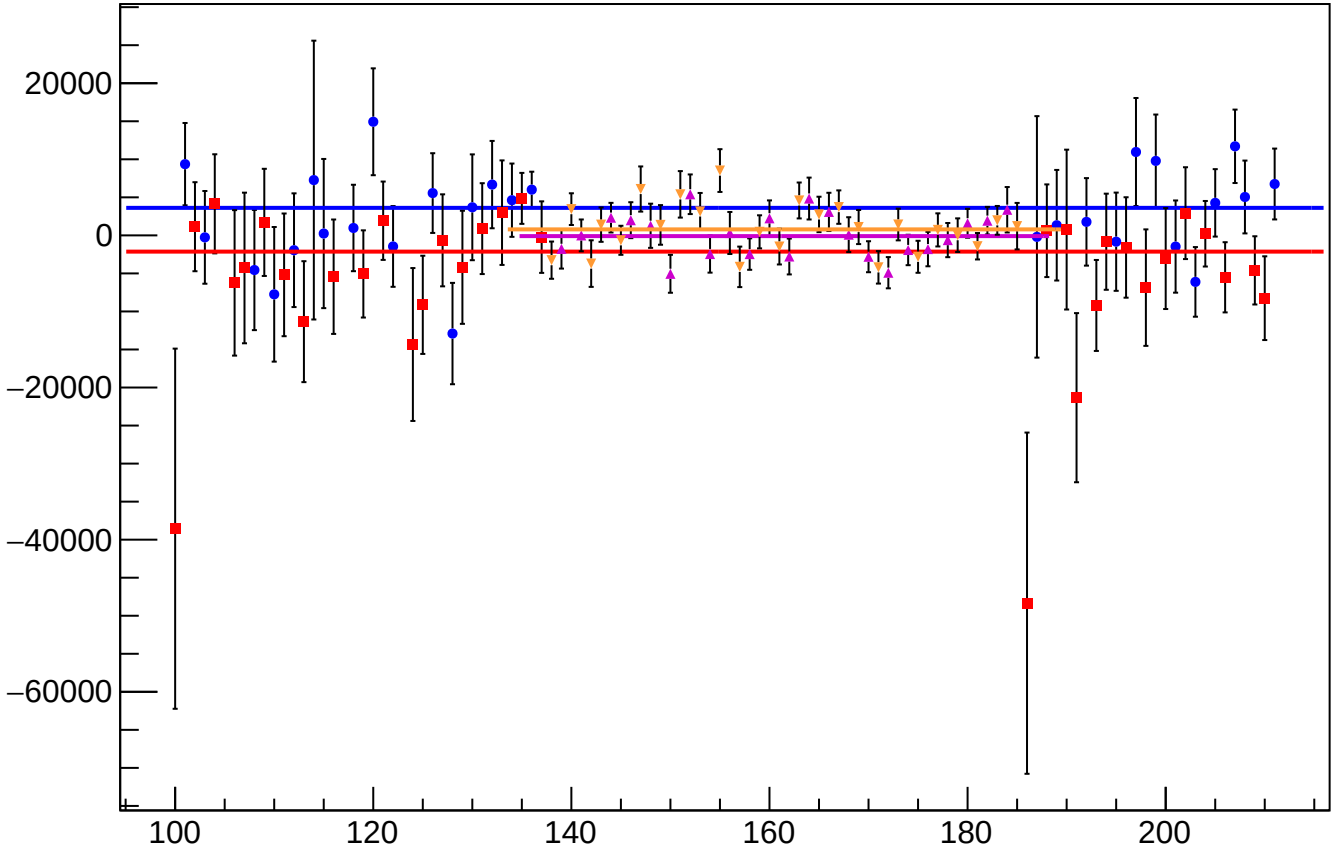
Right: 4290.596+/-0.538 χ^2/NDF: 5574887.0/60

In: 2403.296+/-0.310 χ^2/NDF:9600258.5/50

Out: 2397.731+/-0.303 χ^2/NDF:11989028.5/57

All: 2400.446+/-0.217 χ^2/NDF: 21589451.7/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3618.005+/-1040.987 χ^2/NDF: 27.8/27

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -2134.454+/-1085.440 χ^2/NDF: 27.3/32

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

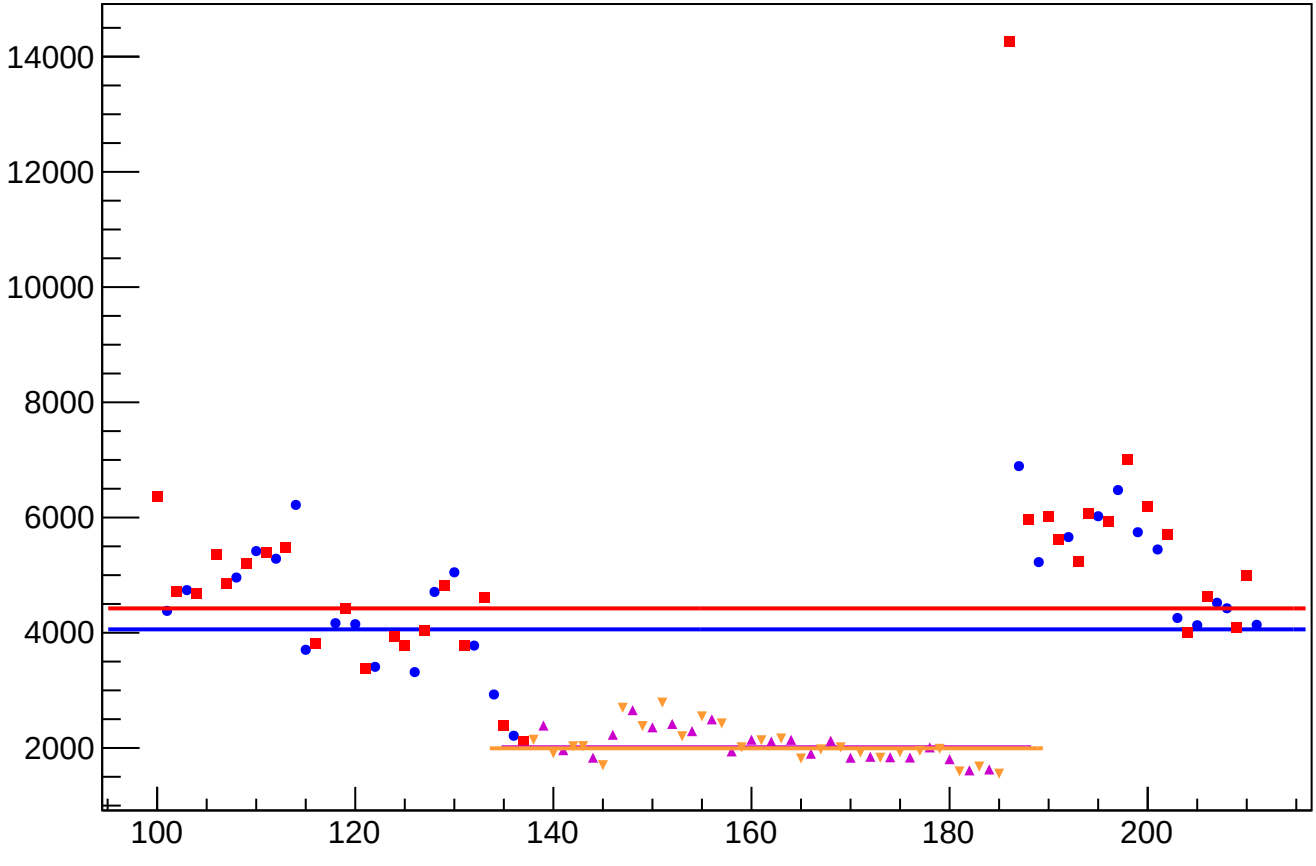
Right: 861.978+/-751.313 χ^2/NDF: 69.7/60

In: 543.032+/-432.007 χ^2/NDF:71.1/50

Out: 345.404+/-422.541 χ^2/NDF:74.7/57

All: 442.029+/-302.073 χ^2/NDF: 146.0/108

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4058.953+/-0.736 χ^2/NDF: 2638414.7/27

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4423.231+/-0.768 χ^2/NDF: 2882183.4/32

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

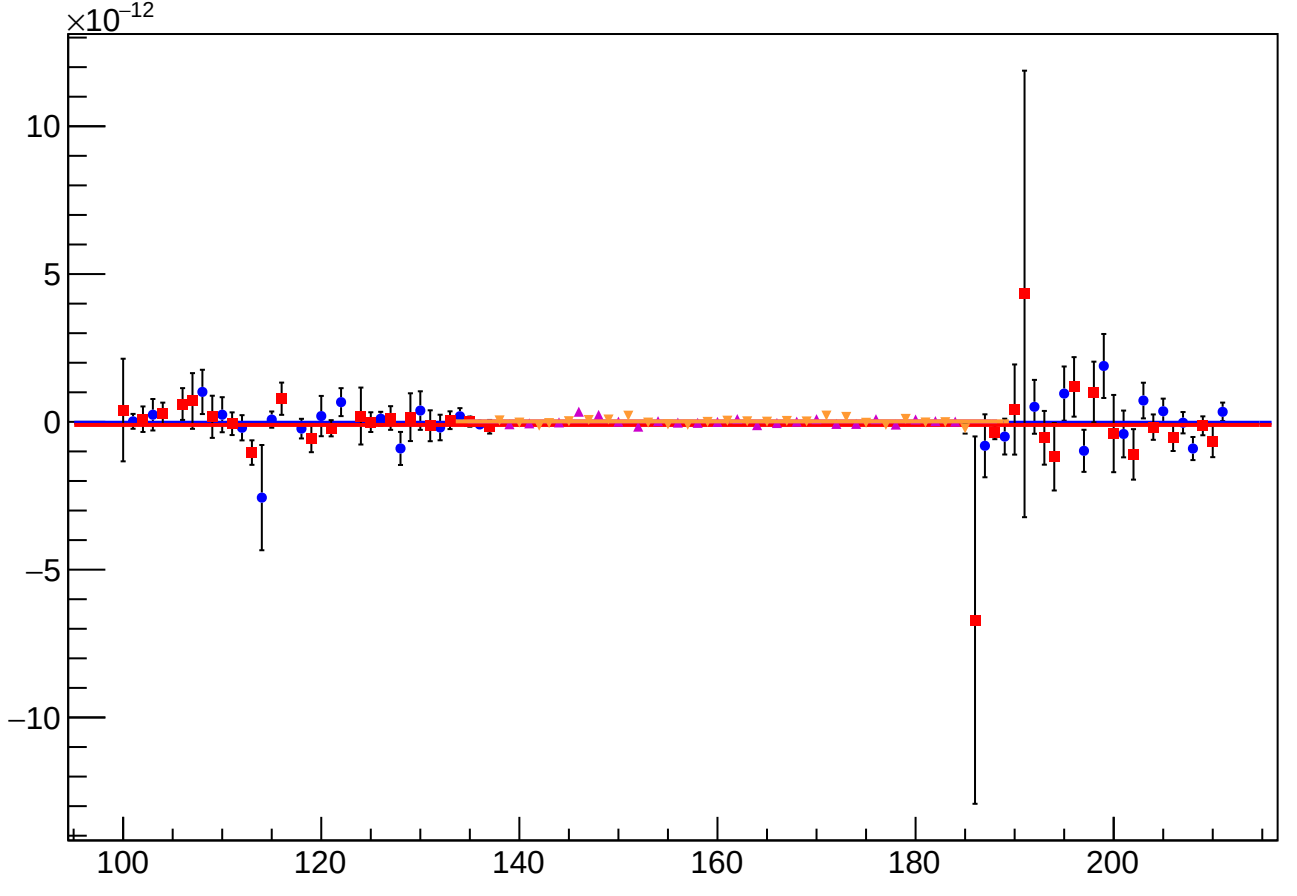
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4233.480+/-0.531 χ^2/NDF: 5637935.0/60

In: 2365.104+/-0.305 χ^2/NDF:9622657.2/50

Out: 2362.333+/-0.299 χ^2/NDF:12126350.0/57

All: 2363.688+/-0.214 χ^2/NDF: 21749049.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/32

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

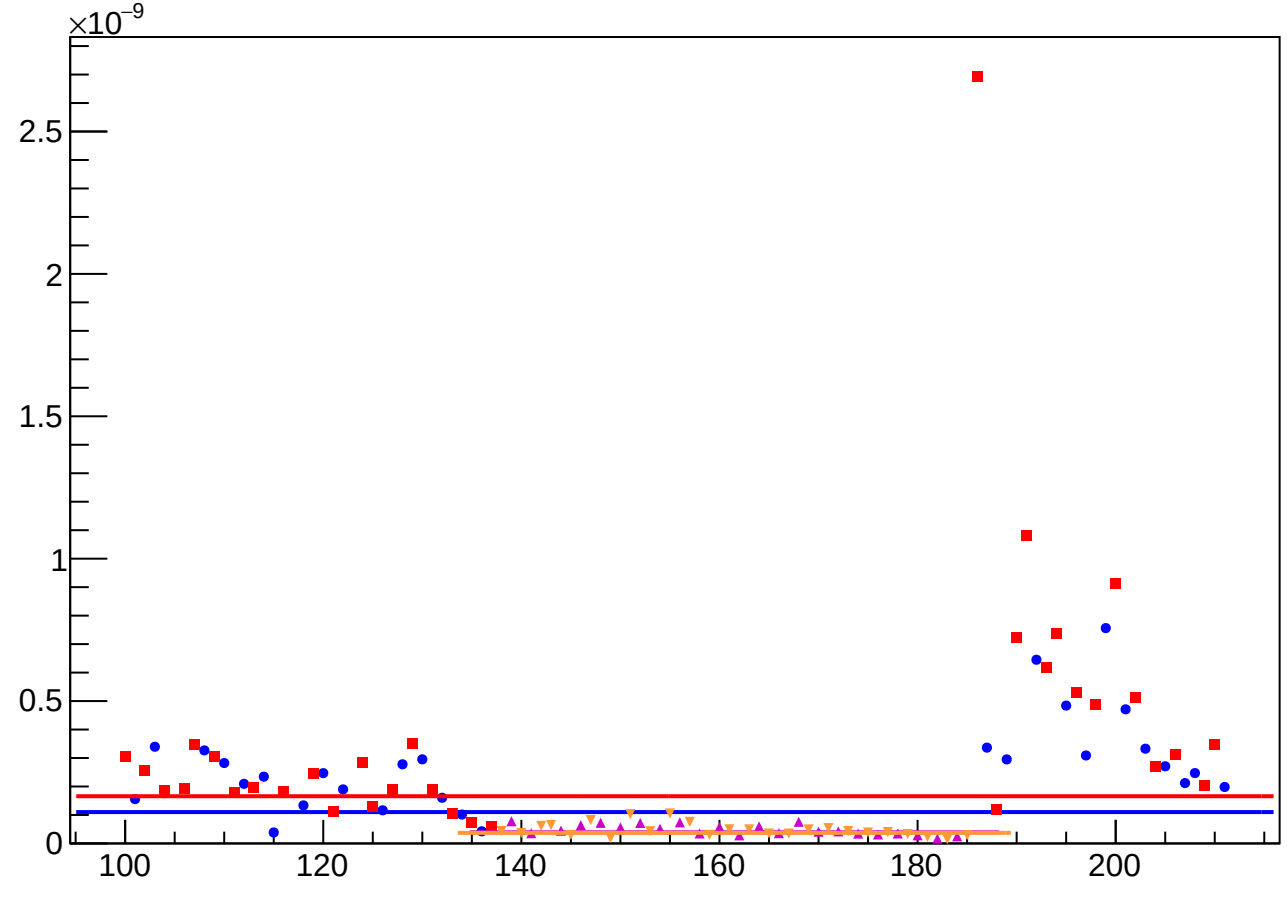
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.4/60

In: 0.000+/-0.000 χ^2/NDF:59.7/50

Out: 0.000+/-0.000 χ^2/NDF:48.1/57

All: 0.000+/-0.000 χ^2/NDF: 107.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 6806826.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5384603.5/32

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

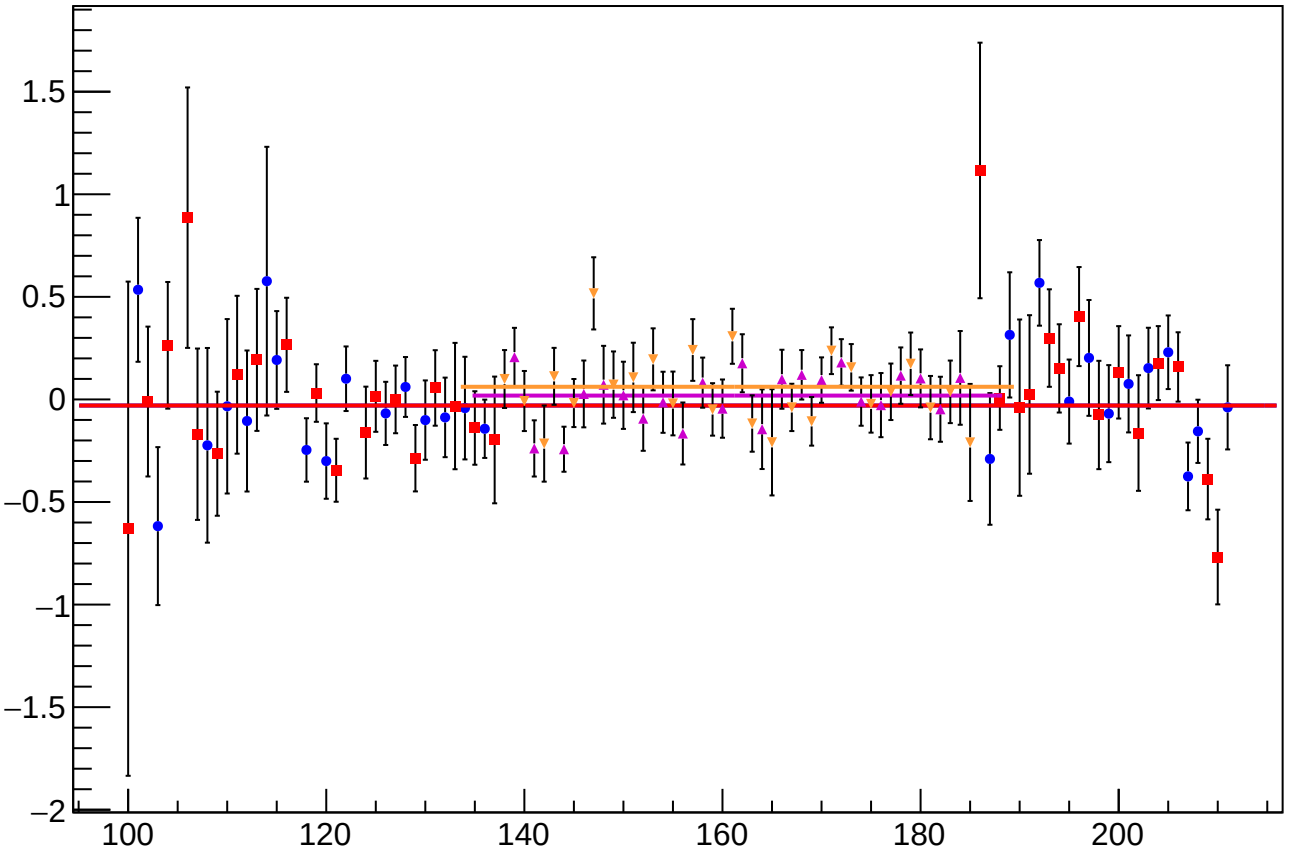
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12919517.6/60

In: 0.000+/-0.000 χ^2/NDF:11662406.8/50

Out: 0.000+/-0.000 χ^2/NDF:13633734.9/57

All: 0.000+/-0.000 χ^2/NDF: 25312567.2/108



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.030+/-0.039 χ^2/NDF: 40.7/32

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

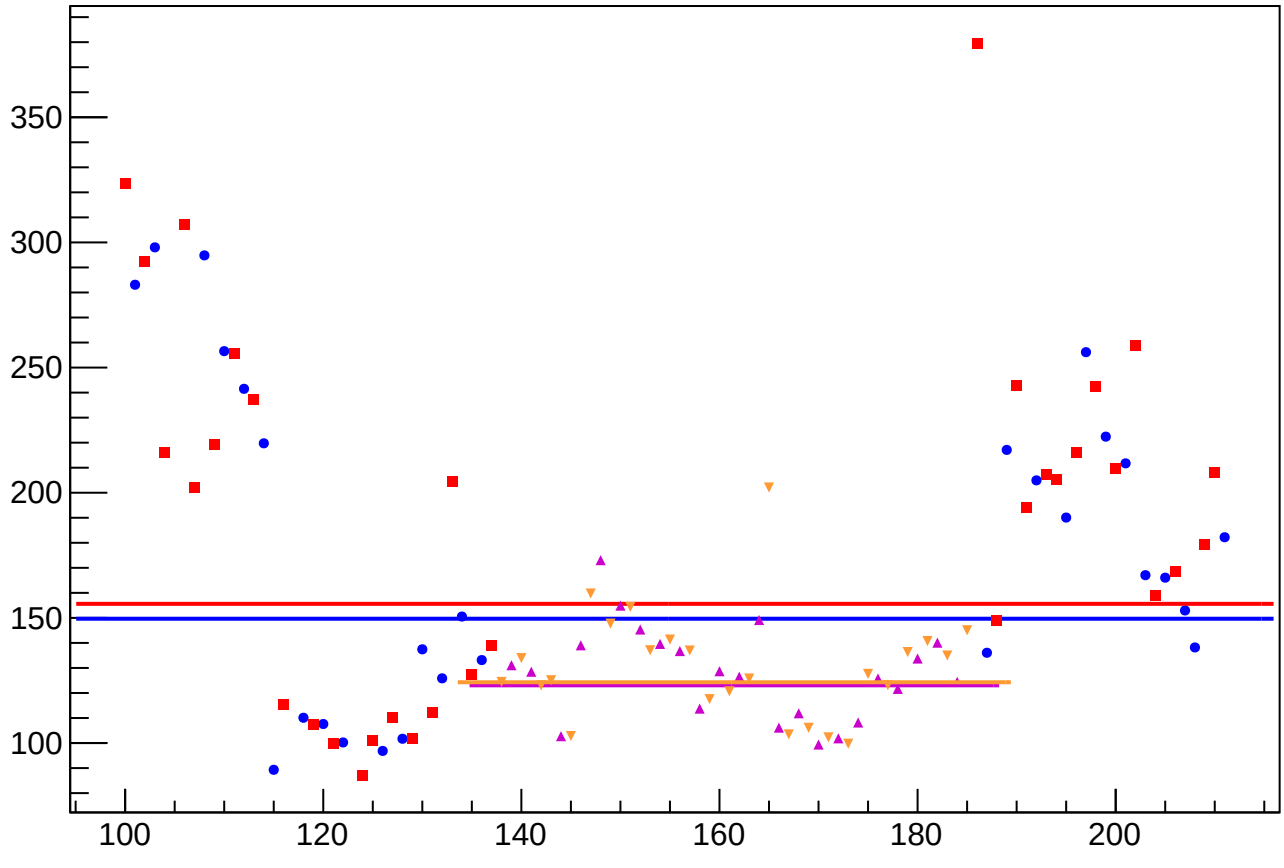
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.030+/-0.028 χ^2/NDF: 72.7/60

In: 0.001+/-0.024 χ^2/NDF:53.3/50

Out: 0.030+/-0.023 χ^2/NDF:71.6/57

All: 0.016+/-0.017 χ^2/NDF: 125.7/108



Right In: 149.667+/-0.028 χ^2/NDF: 3168902.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 155.615+/-0.028 χ^2/NDF: 3841103.7/32

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

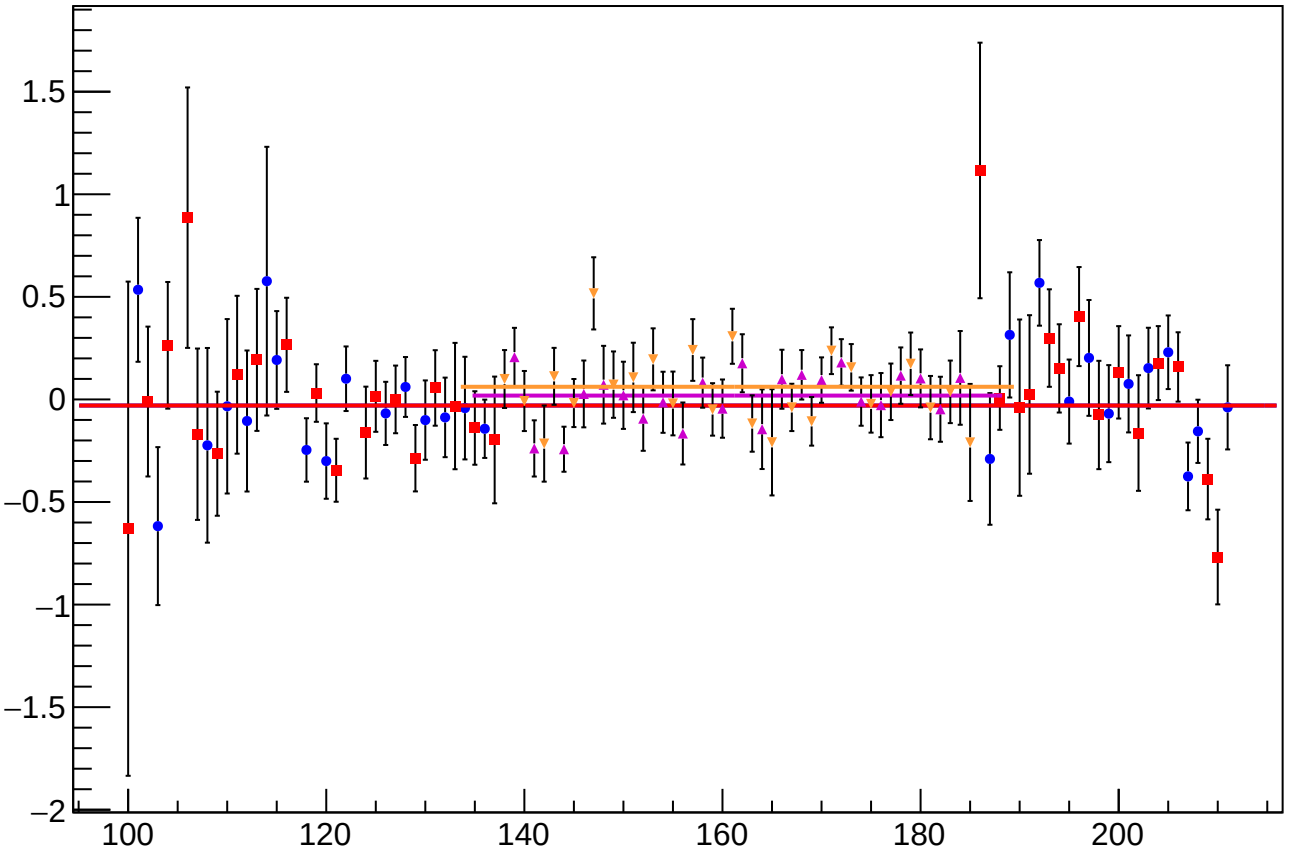
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 152.634+/-0.020 χ^2/NDF: 7032890.5/60

In: 132.586+/-0.017 χ^2/NDF:4476810.1/50

Out: 135.153+/-0.016 χ^2/NDF:5509214.0/57

All: 133.887+/-0.012 χ^2/NDF: 9998119.4/108



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.030+/-0.039 χ^2/NDF: 40.7/32

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

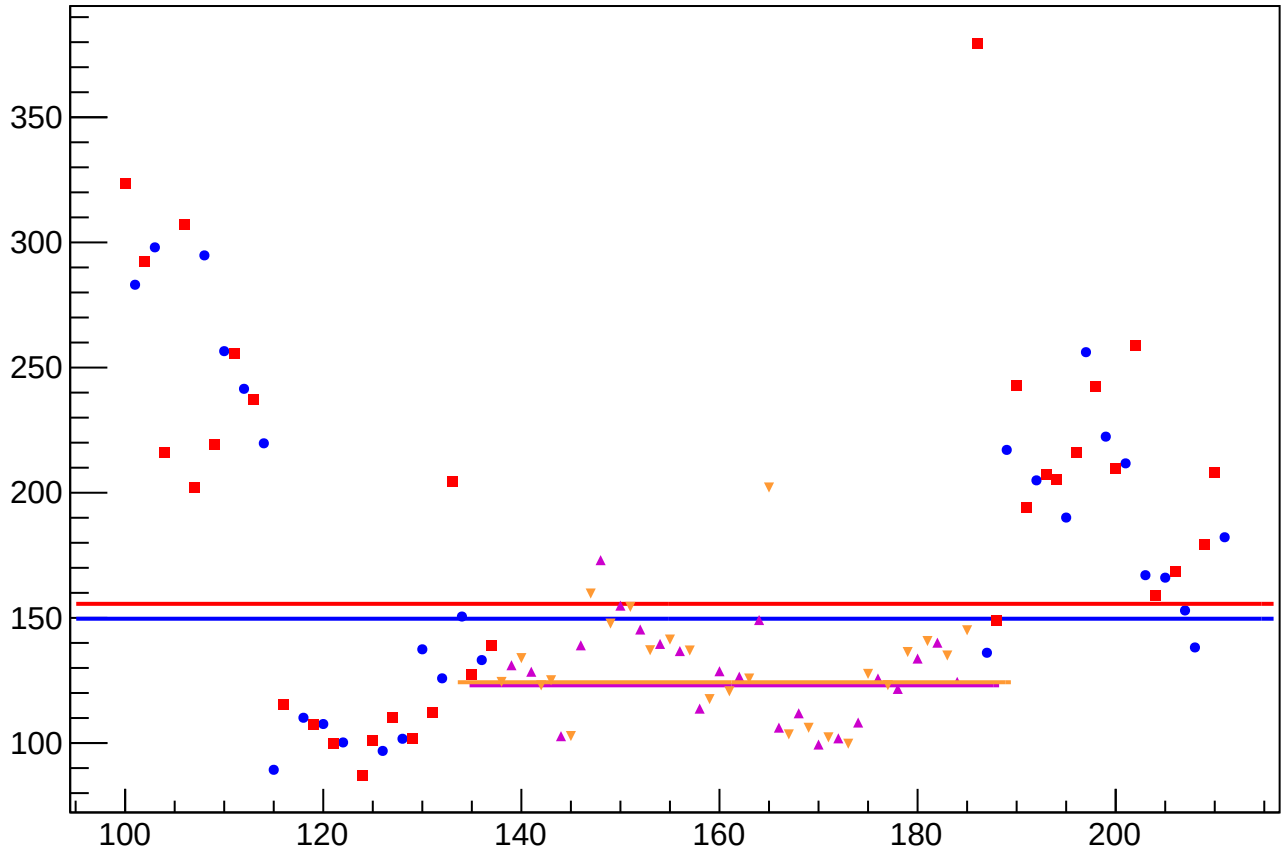
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.030+/-0.028 χ^2/NDF: 72.7/60

In: 0.001+/-0.024 χ^2/NDF:53.3/50

Out: 0.030+/-0.023 χ^2/NDF:71.6/57

All: 0.016+/-0.017 χ^2/NDF: 125.7/108



Right In: 149.667+/-0.028 χ^2/NDF: 3168902.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 155.615+/-0.028 χ^2/NDF: 3841103.7/32

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

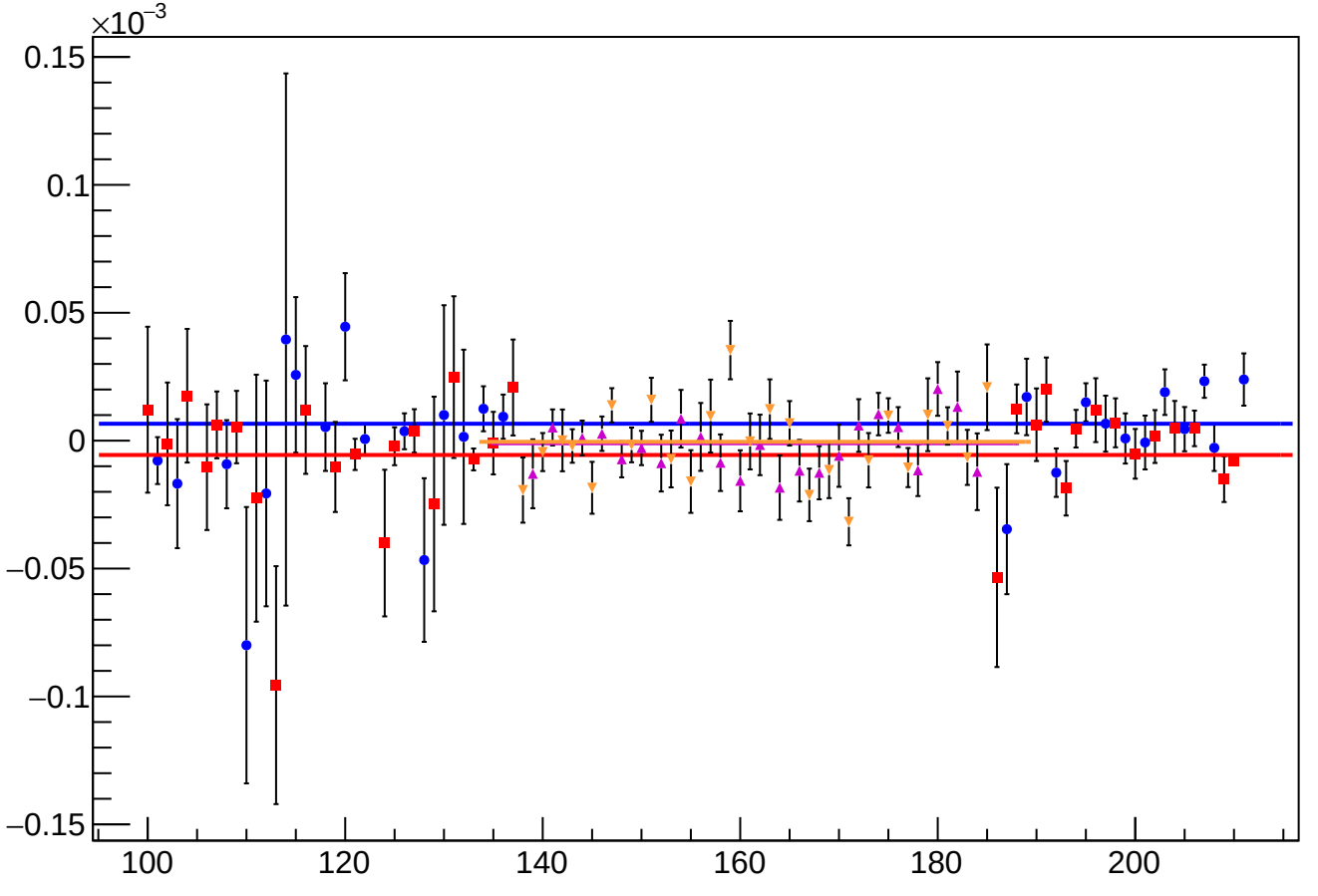
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 152.634+/-0.020 χ^2/NDF: 7032890.5/60

In: 132.586+/-0.017 χ^2/NDF:4476810.1/50

Out: 135.153+/-0.016 χ^2/NDF:5509214.0/57

All: 133.887+/-0.012 χ^2/NDF: 9998119.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/32

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

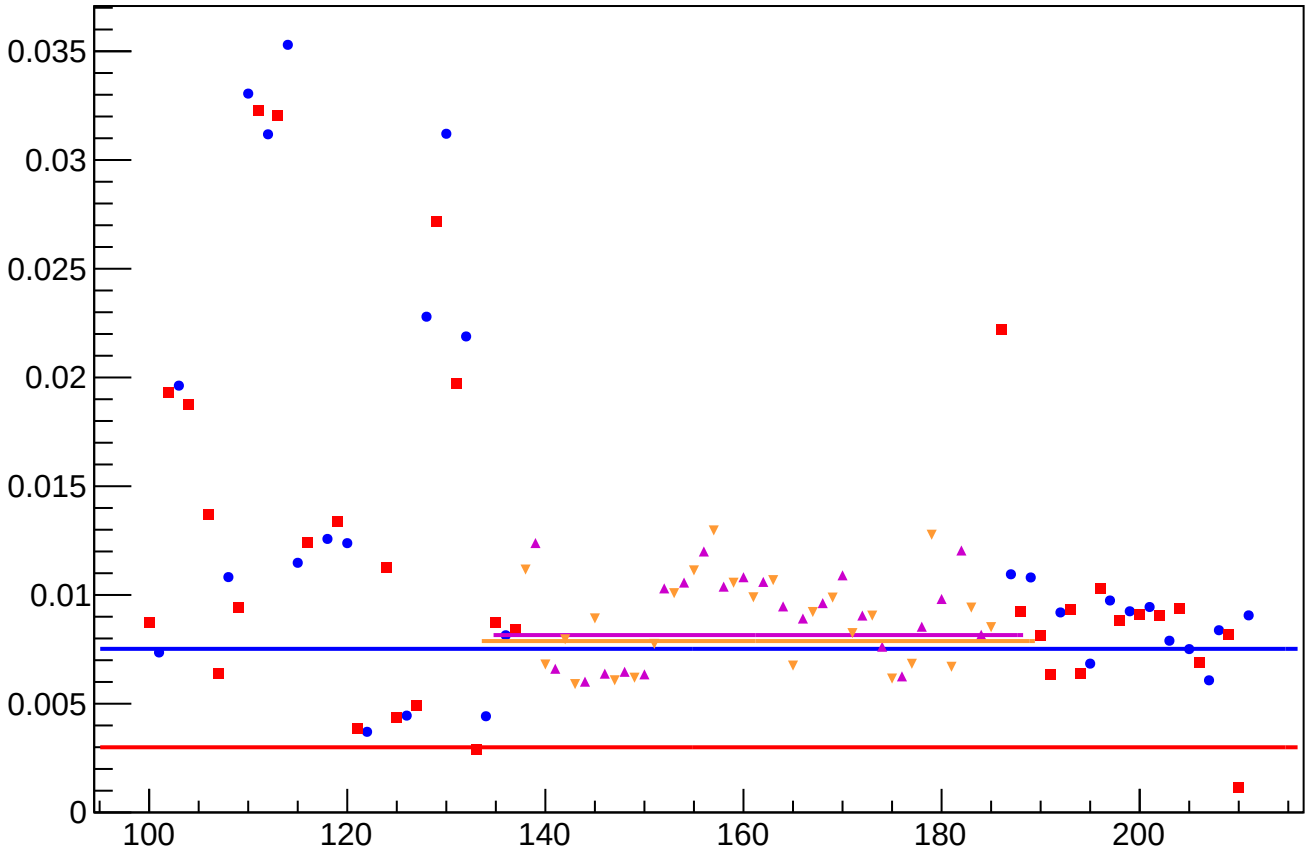
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 103.2/60

In: 0.000+/-0.000 χ^2/NDF:64.3/50

Out: -0.000+/-0.000 χ^2/NDF:96.7/57

All: -0.000+/-0.000 χ^2/NDF: 177.5/108



Right In: 0.008+/-0.000 χ^2/NDF: 5475034.8/27

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19122859.4/32

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

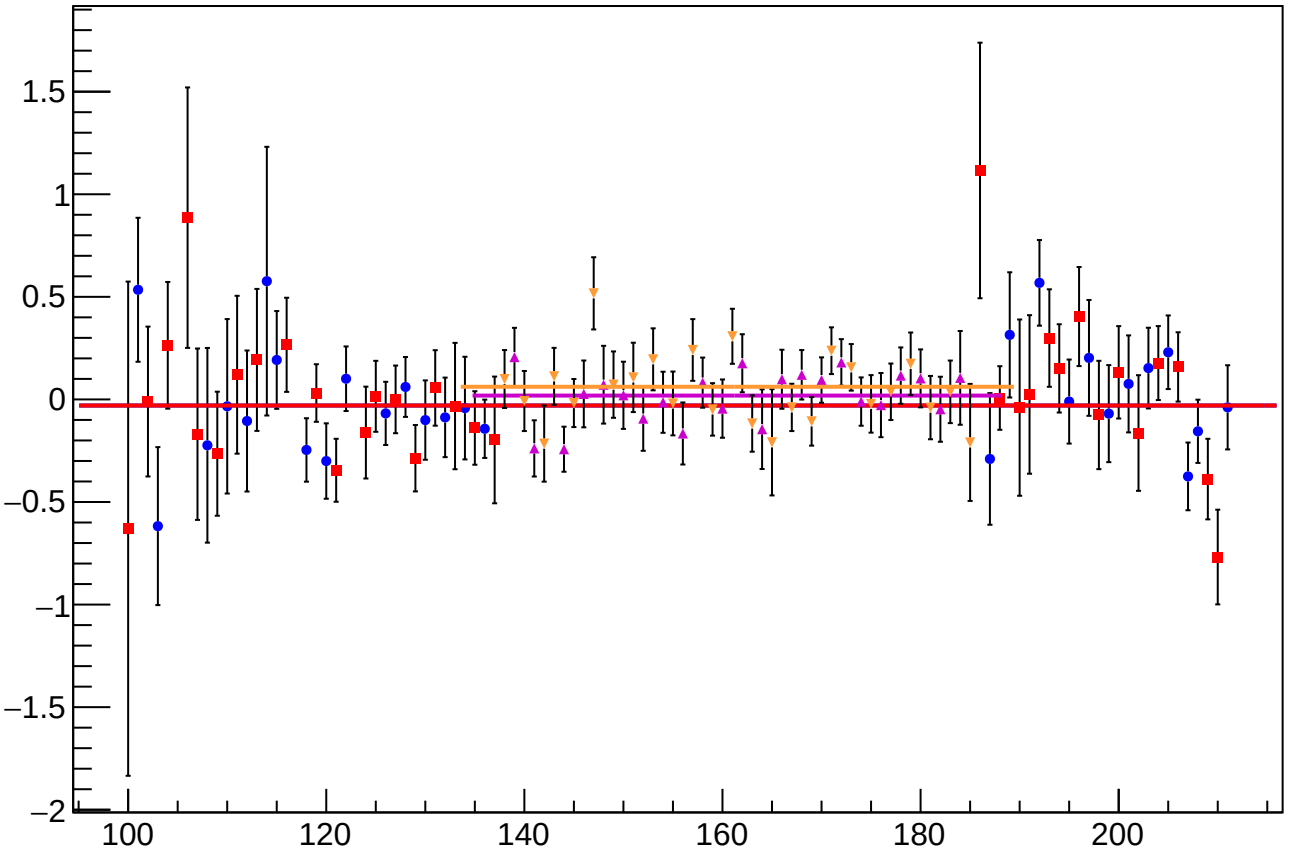
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 32157449.7/60

In: 0.008+/-0.000 χ^2/NDF:7590823.7/50

Out: 0.004+/-0.000 χ^2/NDF:31544110.4/57

All: 0.005+/-0.000 χ^2/NDF: 48047542.9/108



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.030+/-0.039 χ^2/NDF: 40.7/32

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

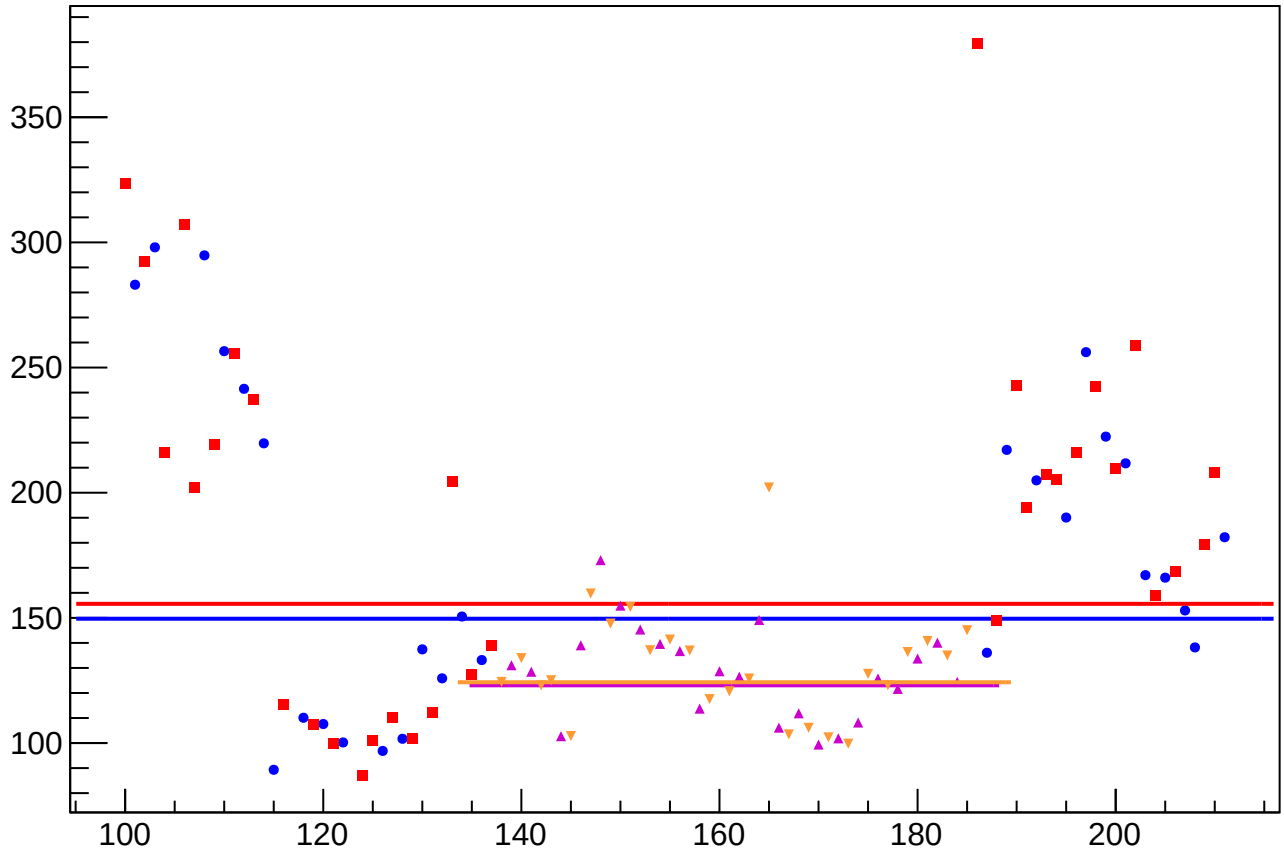
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.030+/-0.028 χ^2/NDF: 72.7/60

In: 0.001+/-0.024 χ^2/NDF:53.3/50

Out: 0.030+/-0.023 χ^2/NDF:71.6/57

All: 0.016+/-0.017 χ^2/NDF: 125.7/108



Right In: 149.664+/-0.028 χ^2/NDF: 3168956.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 155.613+/-0.028 χ^2/NDF: 3841247.4/32

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

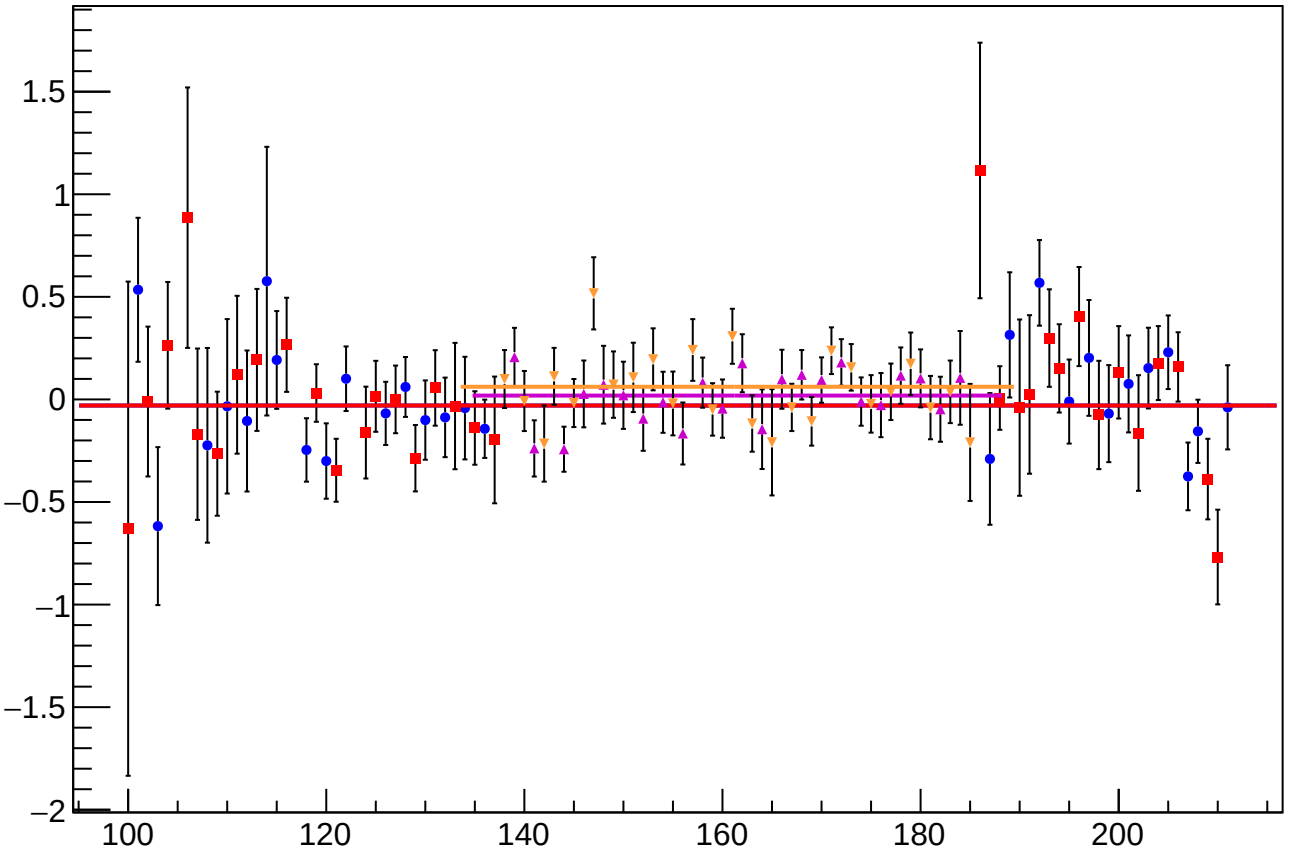
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 152.632+/-0.020 χ^2/NDF: 7033089.2/60

In: 132.585+/-0.017 χ^2/NDF:4476805.9/50

Out: 135.152+/-0.016 χ^2/NDF:5509308.1/57

All: 133.886+/-0.012 χ^2/NDF: 9998210.4/108



Right In: -0.030+/-0.039 χ^2/NDF: 32.0/27

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.030+/-0.039 χ^2/NDF: 40.7/32

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

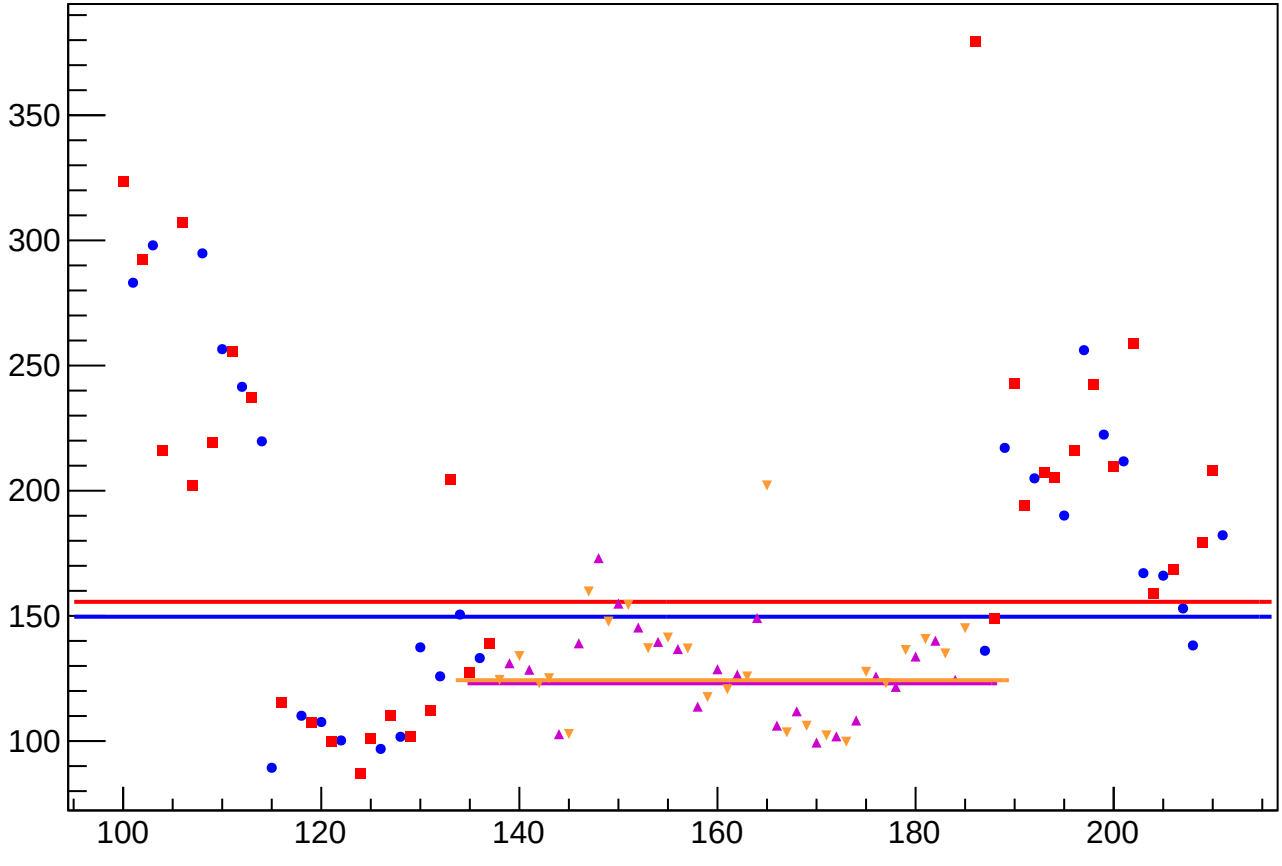
Right: -0.030+/-0.028 χ^2/NDF: 72.7/60

In: 0.001+/-0.024 χ^2/NDF:53.3/50

Out: 0.030+/-0.023 χ^2/NDF:71.6/57

All: 0.016+/-0.017 χ^2/NDF: 125.7/108

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.664+/-0.028 χ^2/NDF: 3168956.8/27

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 155.613+/-0.028 χ^2/NDF: 3841247.4/32

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

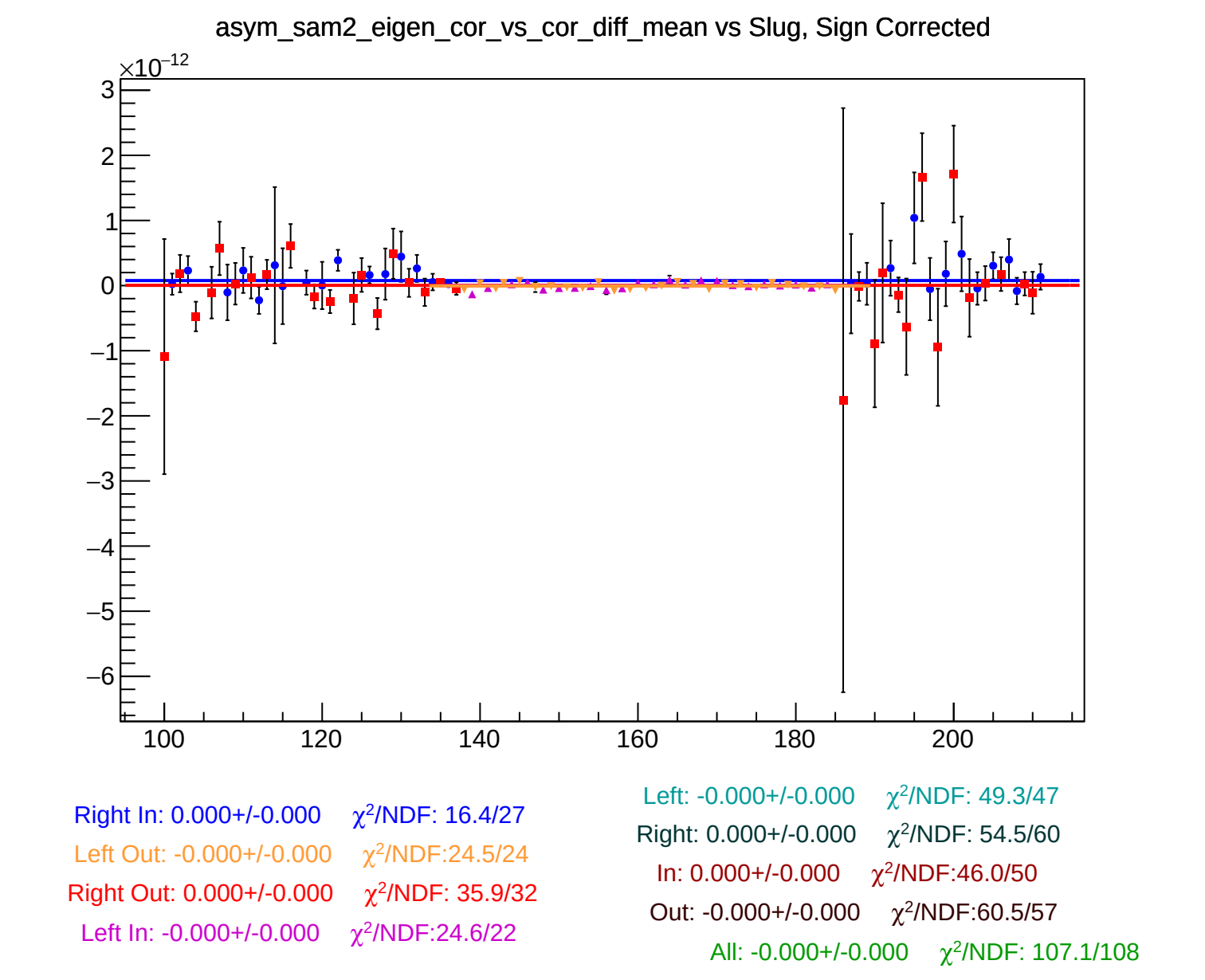
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 152.632+/-0.020 χ^2/NDF: 7033089.2/60

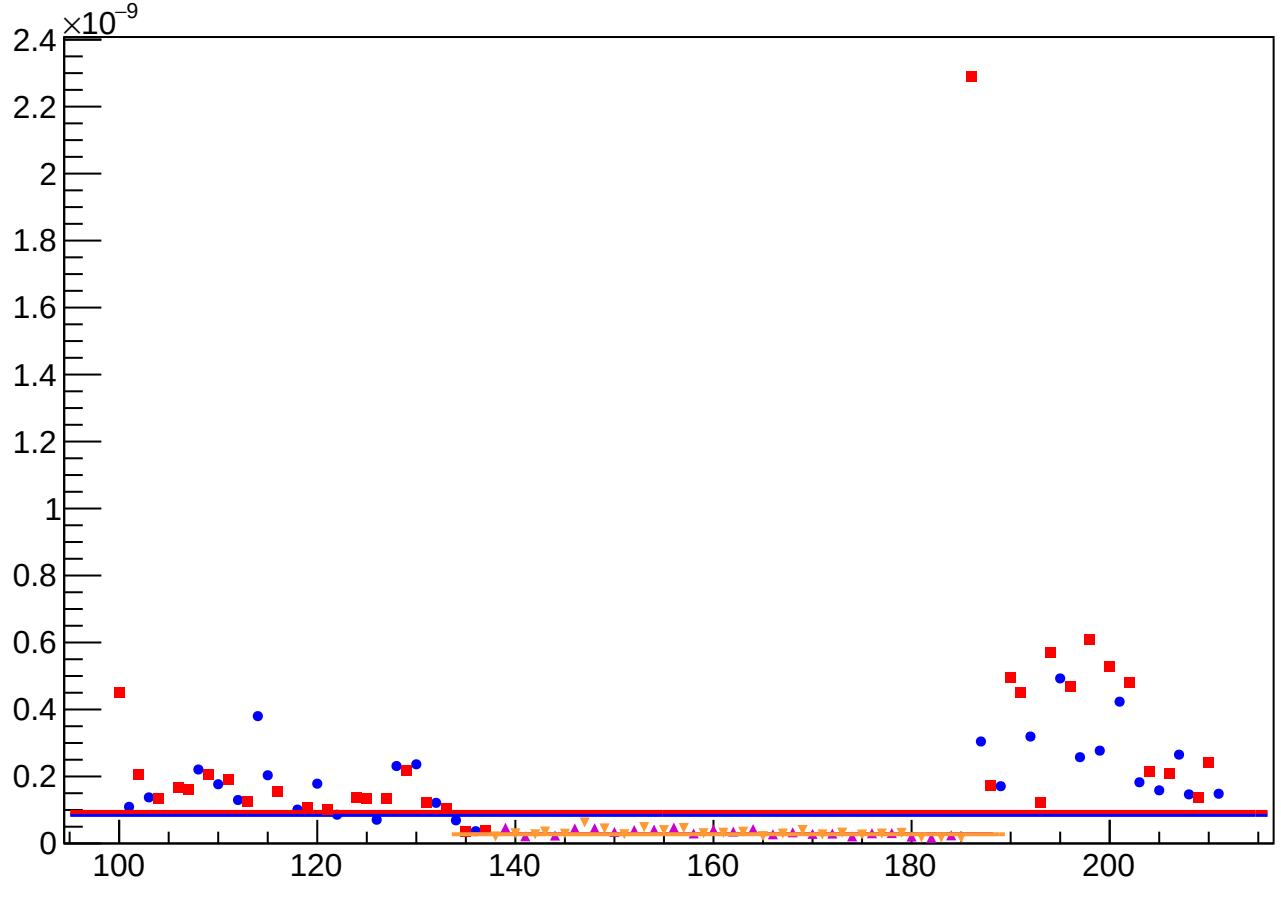
In: 132.585+/-0.017 χ^2/NDF:4476805.9/50

Out: 135.152+/-0.016 χ^2/NDF:5509308.1/57

All: 133.886+/-0.012 χ^2/NDF: 9998210.4/108


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.4/27
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.9/32
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 54.5/60
In: 0.000+/-0.000 χ²/NDF:46.0/50
Out: -0.000+/-0.000 χ²/NDF:60.5/57
All: -0.000+/-0.000 χ²/NDF: 107.1/108

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8134322.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10462232.8/32

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

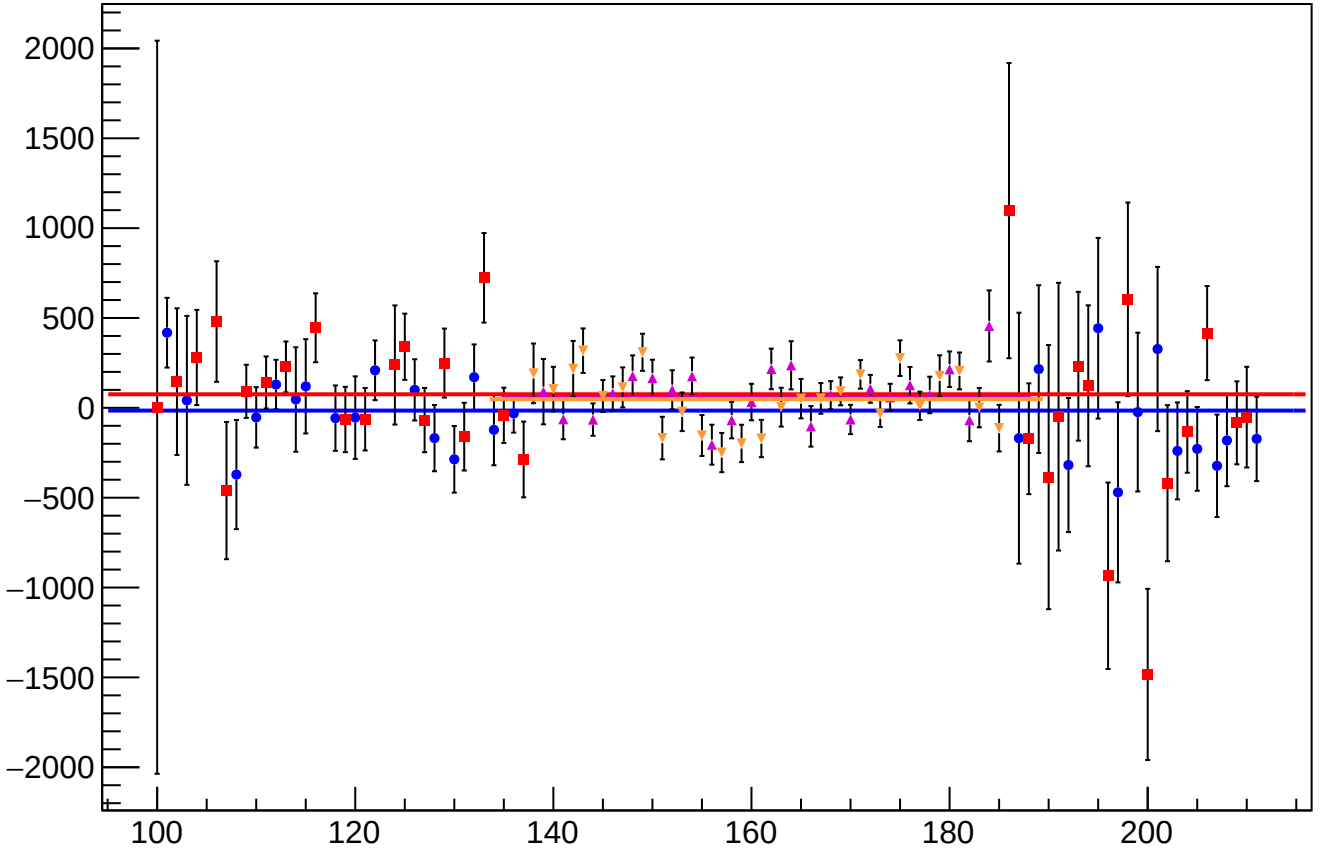
Right: 0.000+/-0.000 χ^2/NDF: 18660559.4/60

In: 0.000+/-0.000 χ^2/NDF:15831292.3/50

Out: 0.000+/-0.000 χ^2/NDF:19319047.7/57

All: 0.000+/-0.000 χ^2/NDF: 35167142.6/108

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -15.243+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 75.512+/-41.343 χ^2/NDF: 48.8/32

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

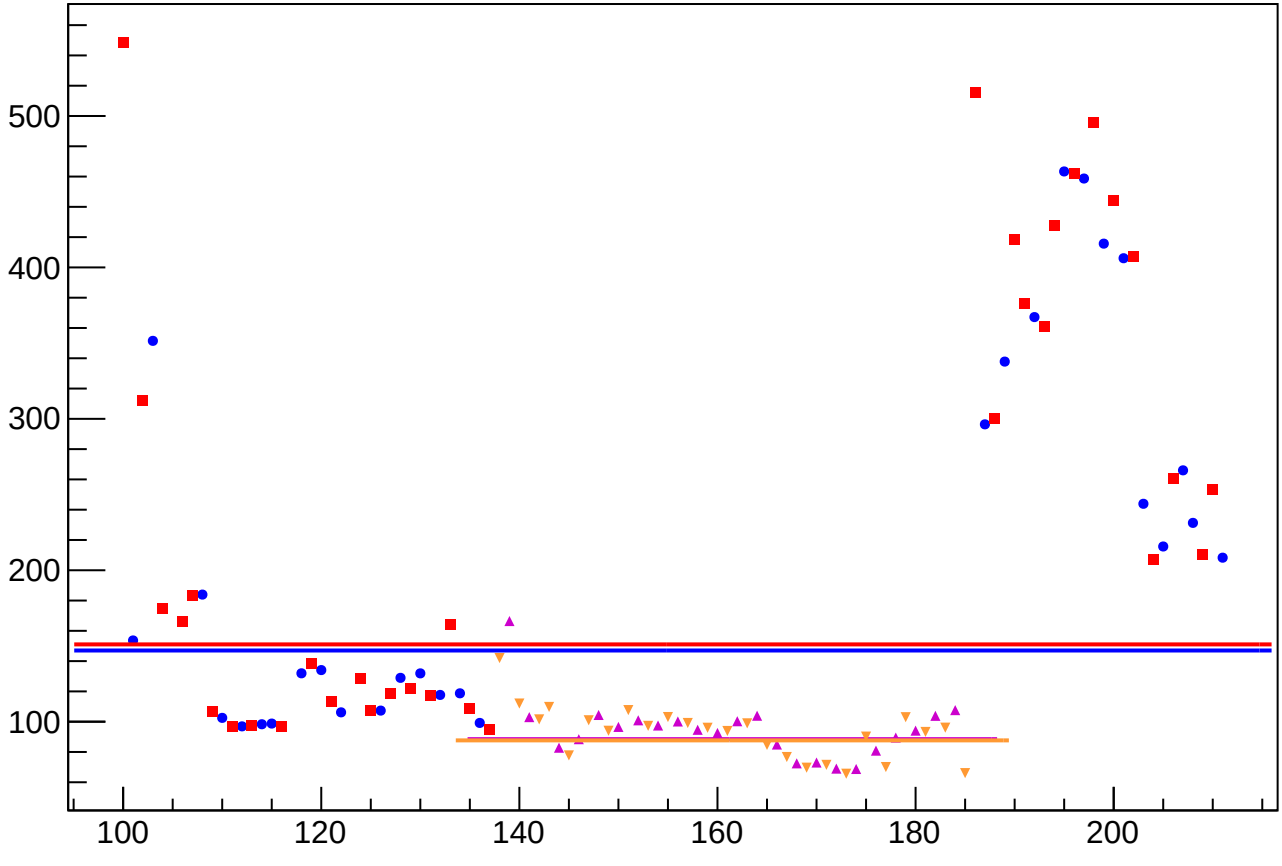
Right: 30.008+/-29.193 χ^2/NDF: 72.3/60

In: 43.536+/-18.822 χ^2/NDF:54.3/50

Out: 53.712+/-18.311 χ^2/NDF:102.7/57

All: 48.764+/-13.125 χ^2/NDF: 157.1/108

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 147.011+/-0.029 χ^2/NDF: 6921128.1/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.043+/-0.029 χ^2/NDF: 8472846.1/32

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

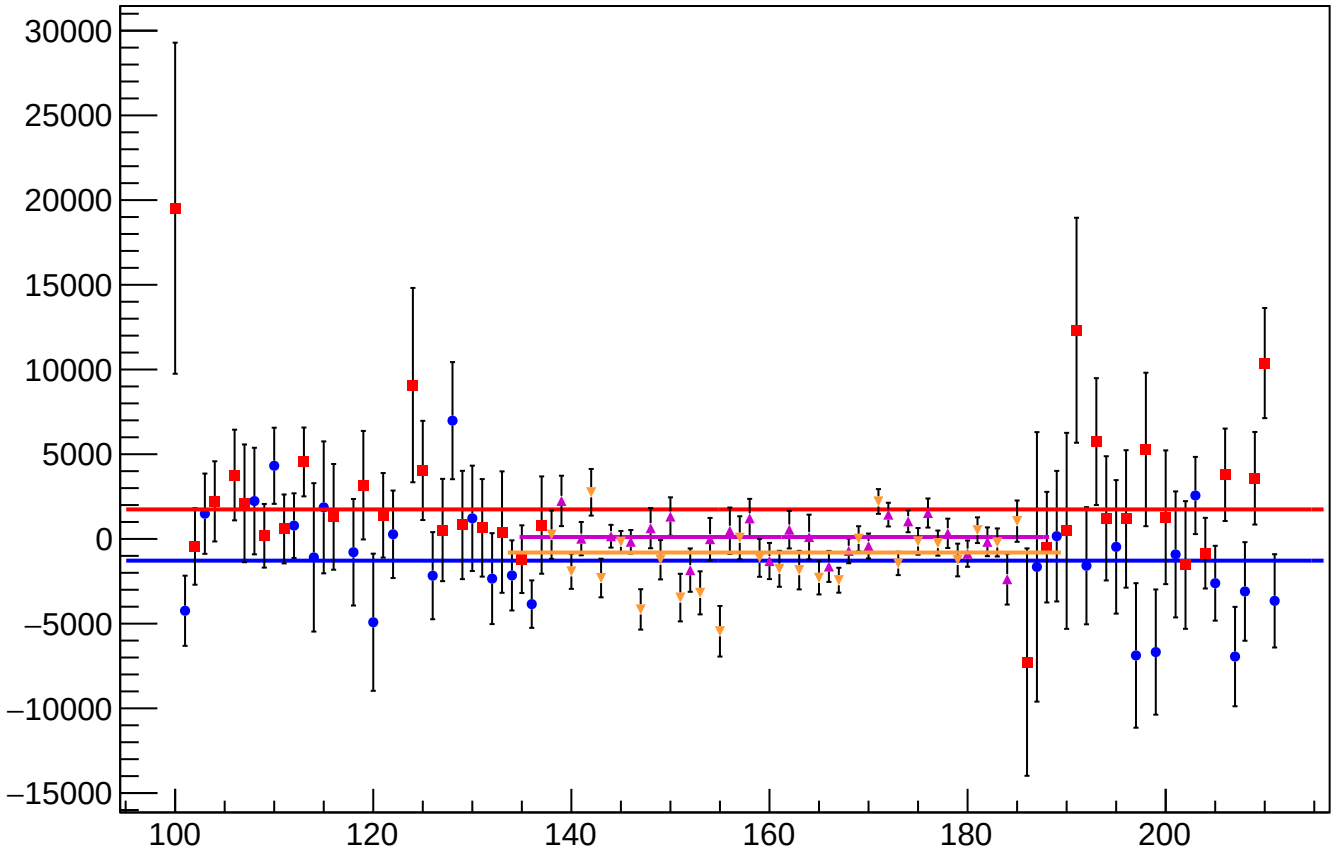
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 149.021+/-0.021 χ^2/NDF: 15403511.5/60

In: 100.682+/-0.013 χ^2/NDF:11187429.4/50

Out: 100.090+/-0.013 χ^2/NDF:13465273.9/57

All: 100.378+/-0.009 χ^2/NDF: 24653721.4/10



Right In: -1282.545+/-510.920 χ^2/NDF: 36.2/27

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1742.315+/-512.203 χ^2/NDF: 30.1/32

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

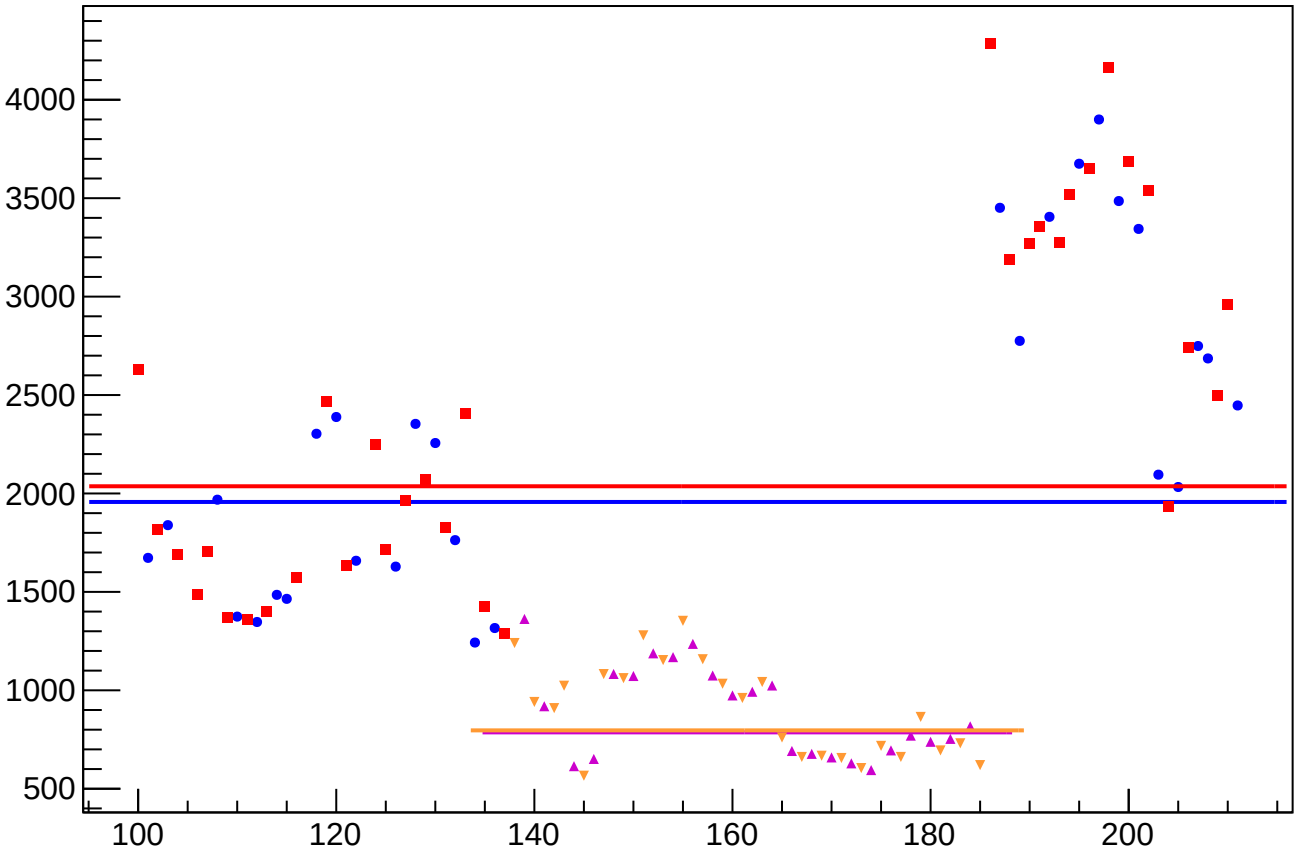
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 226.092+/-361.728 χ^2/NDF: 83.8/60

In: -57.424+/-178.306 χ^2/NDF:69.8/50

Out: -500.183+/-176.285 χ^2/NDF:123.7/57

All: -281.328+/-125.361 χ^2/NDF: 196.6/108



Right In: 1956.846+/-0.361 χ^2/NDF: 3525743.2/27

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2036.567+/-0.362 χ^2/NDF: 4330992.0/32

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

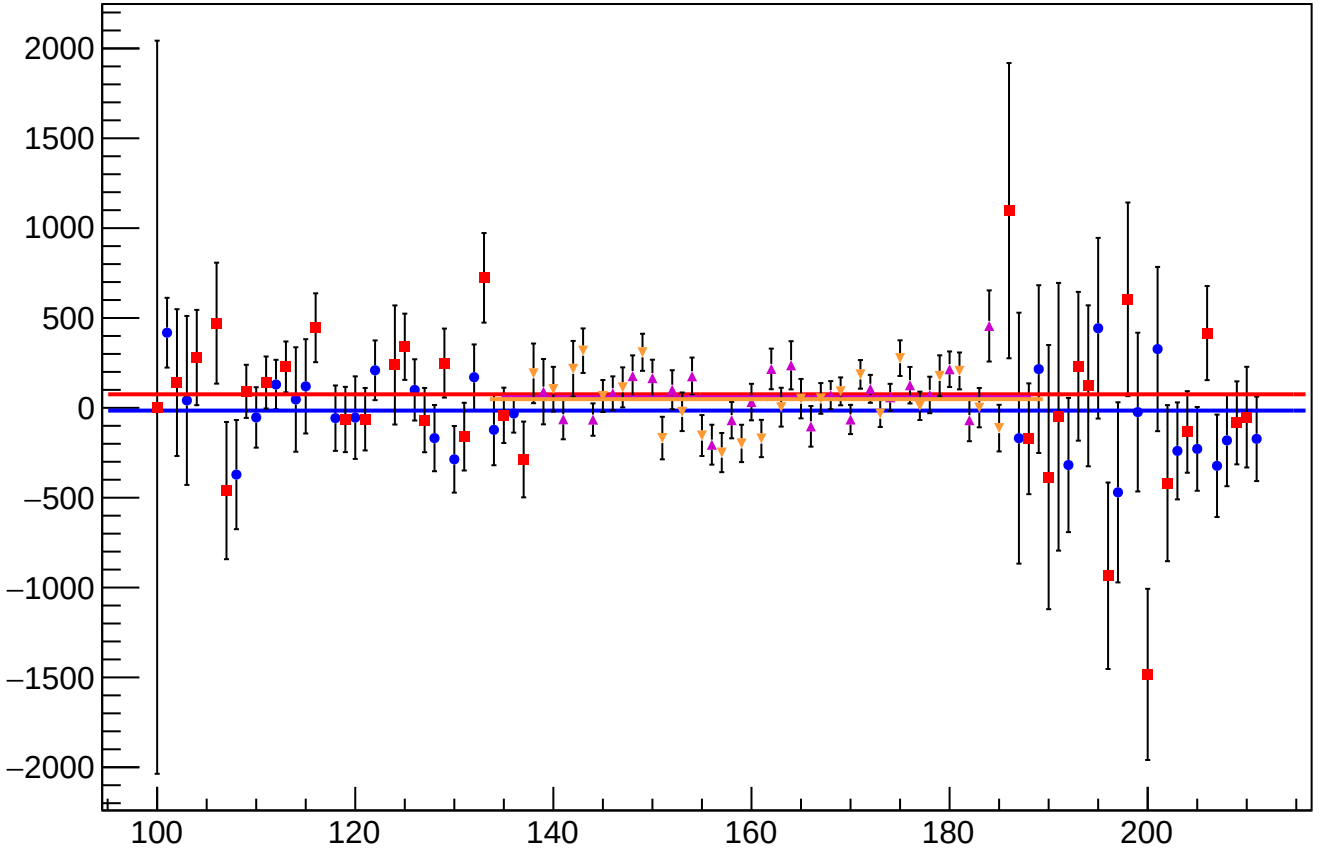
Right: 1996.607+/-0.256 χ^2/NDF: 7881020.5/60

In: 928.898+/-0.126 χ^2/NDF:14901062.8/50

Out: 943.410+/-0.125 χ^2/NDF:17082791.8/57

All: 936.237+/-0.089 χ^2/NDF: 31990554.5/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -15.257+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 75.280+/-41.346 χ^2/NDF: 48.7/32

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

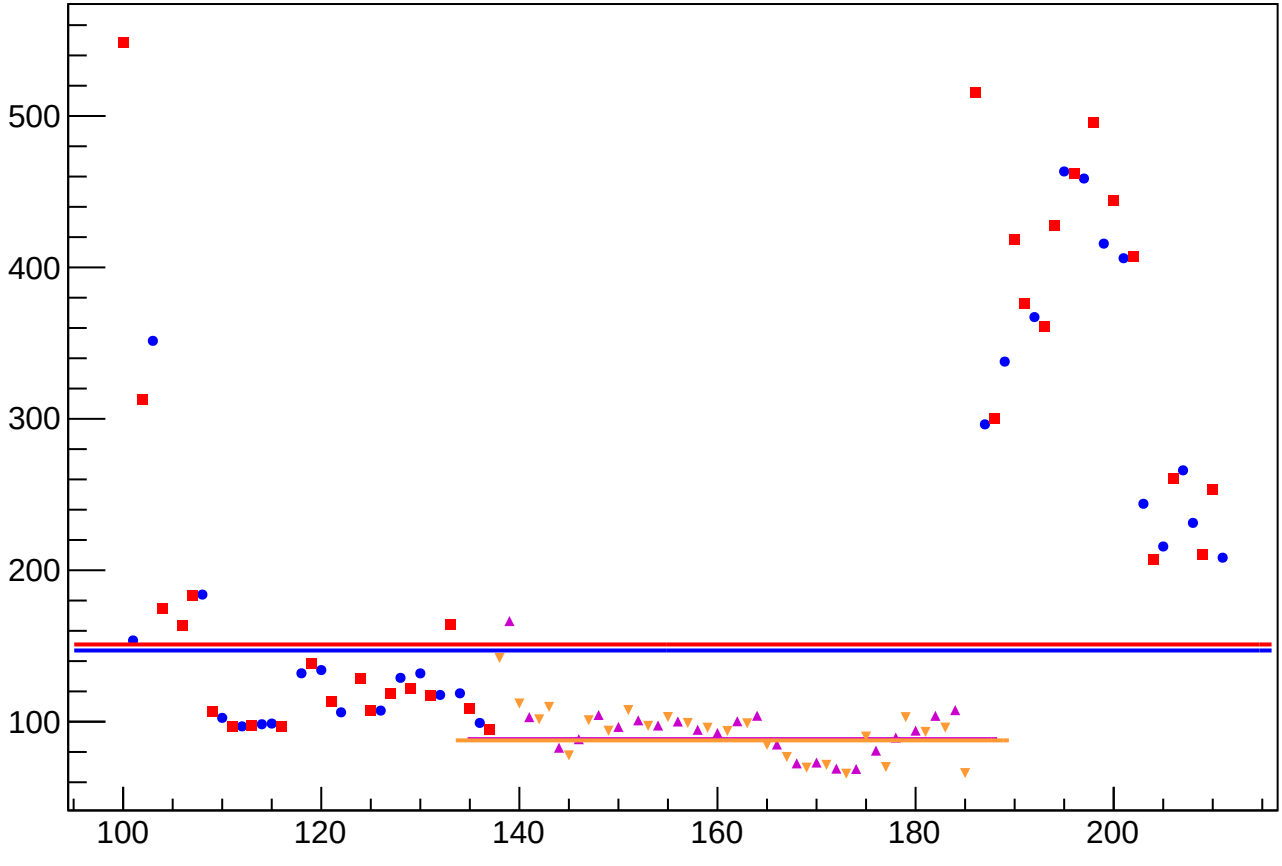
Right: 29.882+/-29.194 χ^2/NDF: 72.2/60

In: 43.535+/-18.822 χ^2/NDF:54.3/50

Out: 53.671+/-18.311 χ^2/NDF:102.6/57

All: 48.743+/-13.125 χ^2/NDF: 157.0/108

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 147.011+/-0.029 χ^2/NDF: 6921130.6/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.004+/-0.029 χ^2/NDF: 8471770.7/32

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

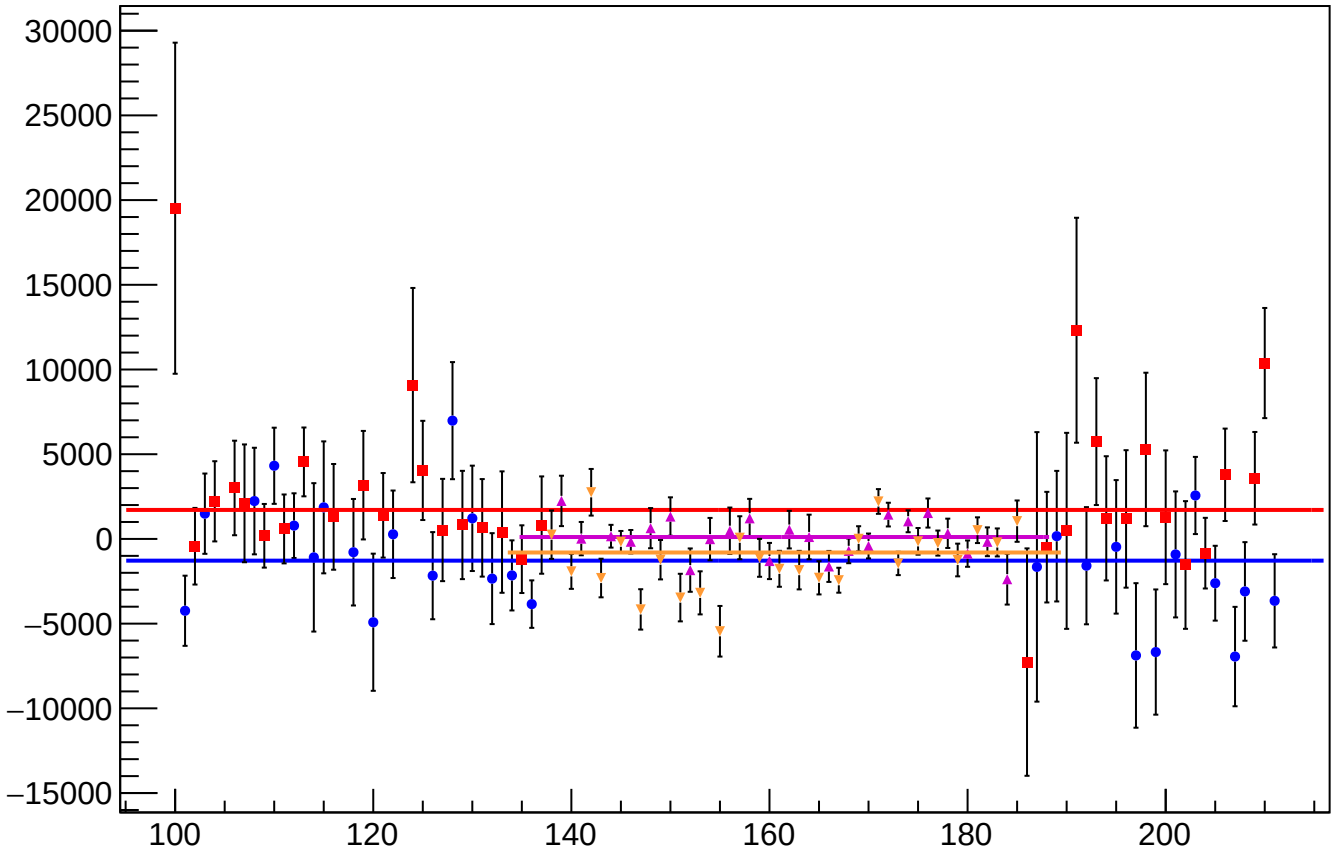
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 149.002+/-0.021 χ^2/NDF: 15402256.1/60

In: 100.682+/-0.013 χ^2/NDF:11187431.2/50

Out: 100.081+/-0.013 χ^2/NDF:13459269.0/57

All: 100.373+/-0.009 χ^2/NDF: 24647748.2/10



Right In: -1282.539+/-510.922 χ^2/NDF: 36.2/27

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1711.396+/-512.987 χ^2/NDF: 29.7/32

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

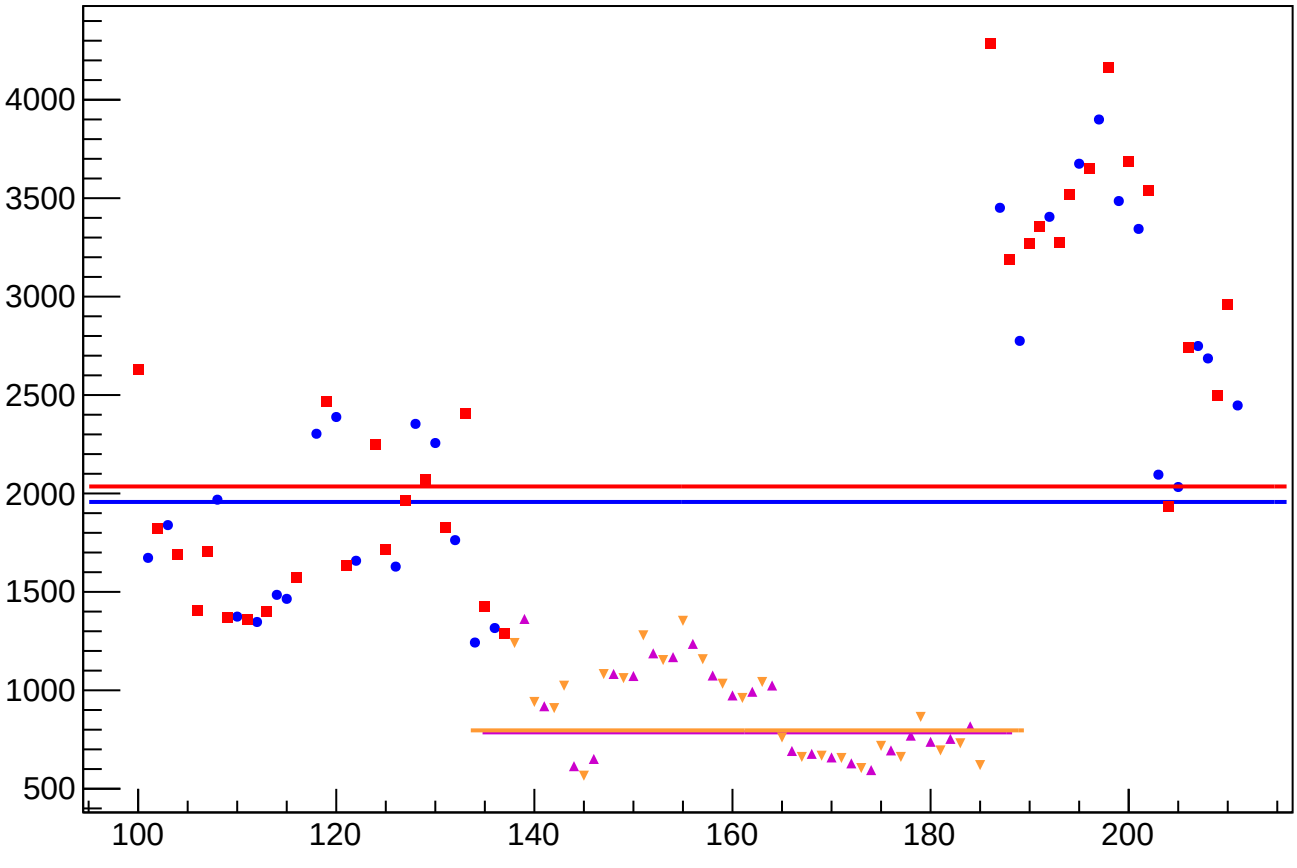
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 208.392+/-362.004 χ^2/NDF: 83.0/60

In: -57.420+/-178.307 χ^2/NDF:69.8/50

Out: -504.641+/-176.317 χ^2/NDF:122.8/57

All: -283.540+/-125.372 χ^2/NDF: 195.7/108



Right In: 1956.856+/-0.361 χ^2/NDF: 3525730.1/27

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2035.557+/-0.363 χ^2/NDF: 4348438.1/32

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

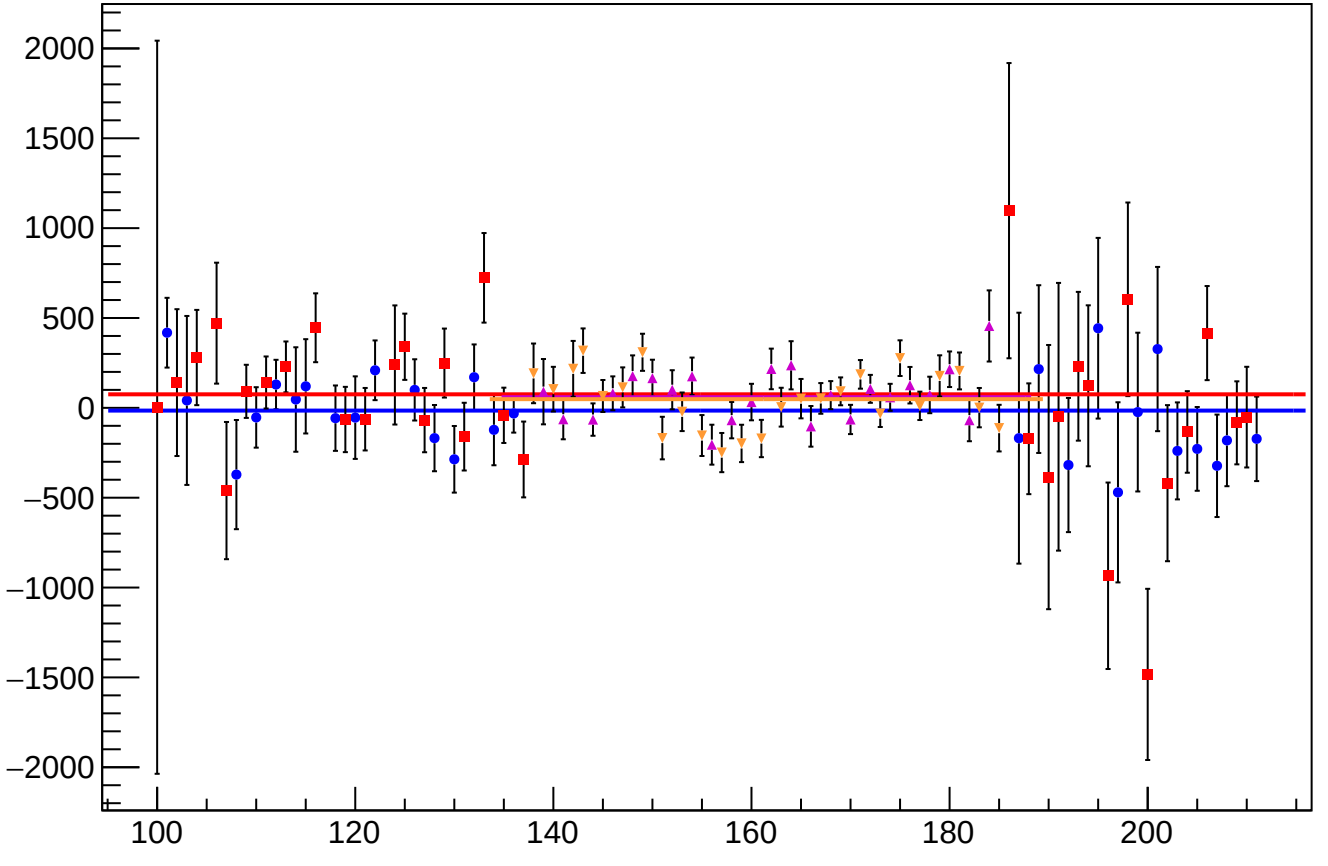
Right: 1996.048+/-0.256 χ^2/NDF: 7897799.9/60

In: 928.898+/-0.126 χ^2/NDF:14901119.9/50

Out: 942.895+/-0.125 χ^2/NDF:17055625.4/57

All: 935.975+/-0.089 χ^2/NDF: 31962976.9/10

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -15.257+/-41.228 χ^2/NDF: 21.1/27

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 75.280+/-41.346 χ^2/NDF: 48.7/32

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

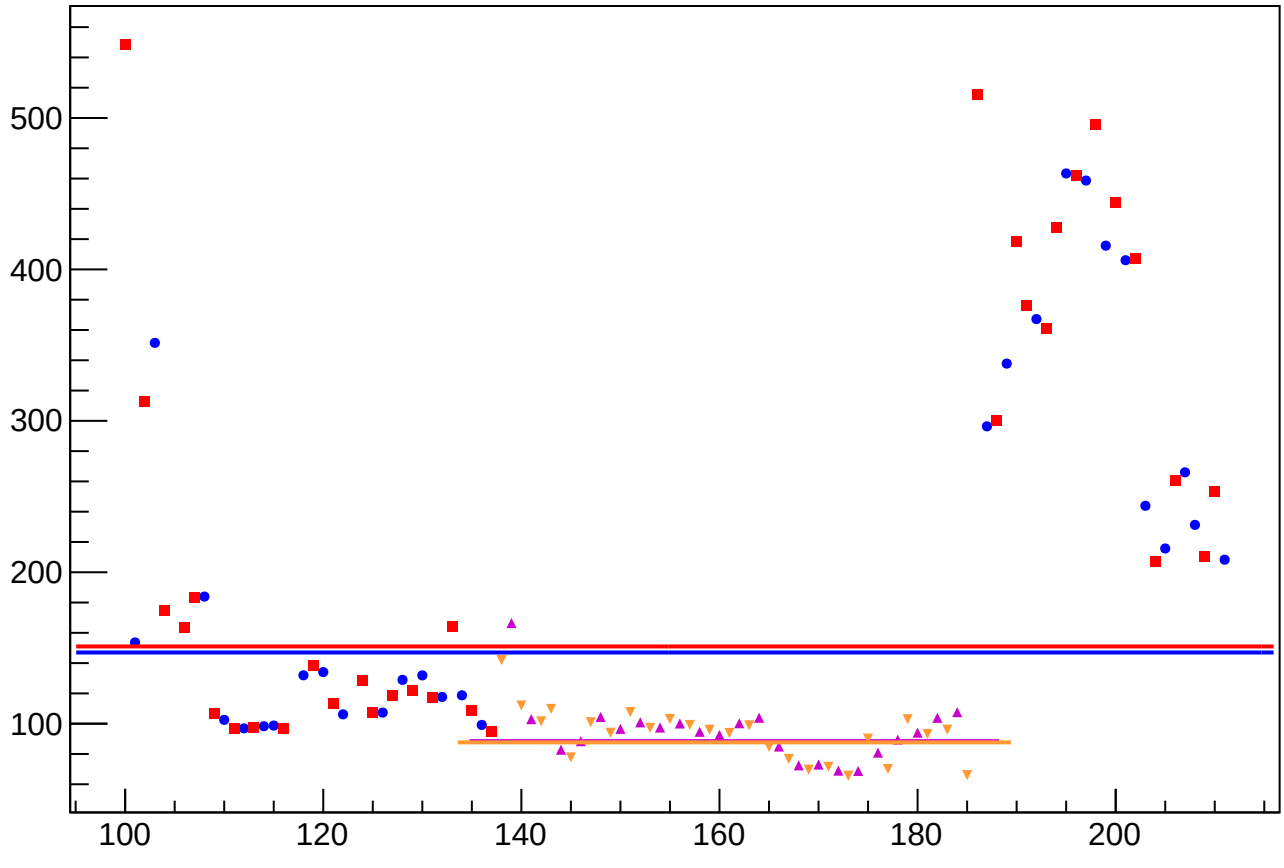
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 29.882+/-29.194 χ^2/NDF: 72.2/60

In: 43.535+/-18.822 χ^2/NDF:54.3/50

Out: 53.671+/-18.311 χ^2/NDF:102.6/57

All: 48.743+/-13.125 χ^2/NDF: 157.0/108



Right In: 147.011+/-0.029 χ^2/NDF: 6921130.6/27

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 151.004+/-0.029 χ^2/NDF: 8471770.7/32

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

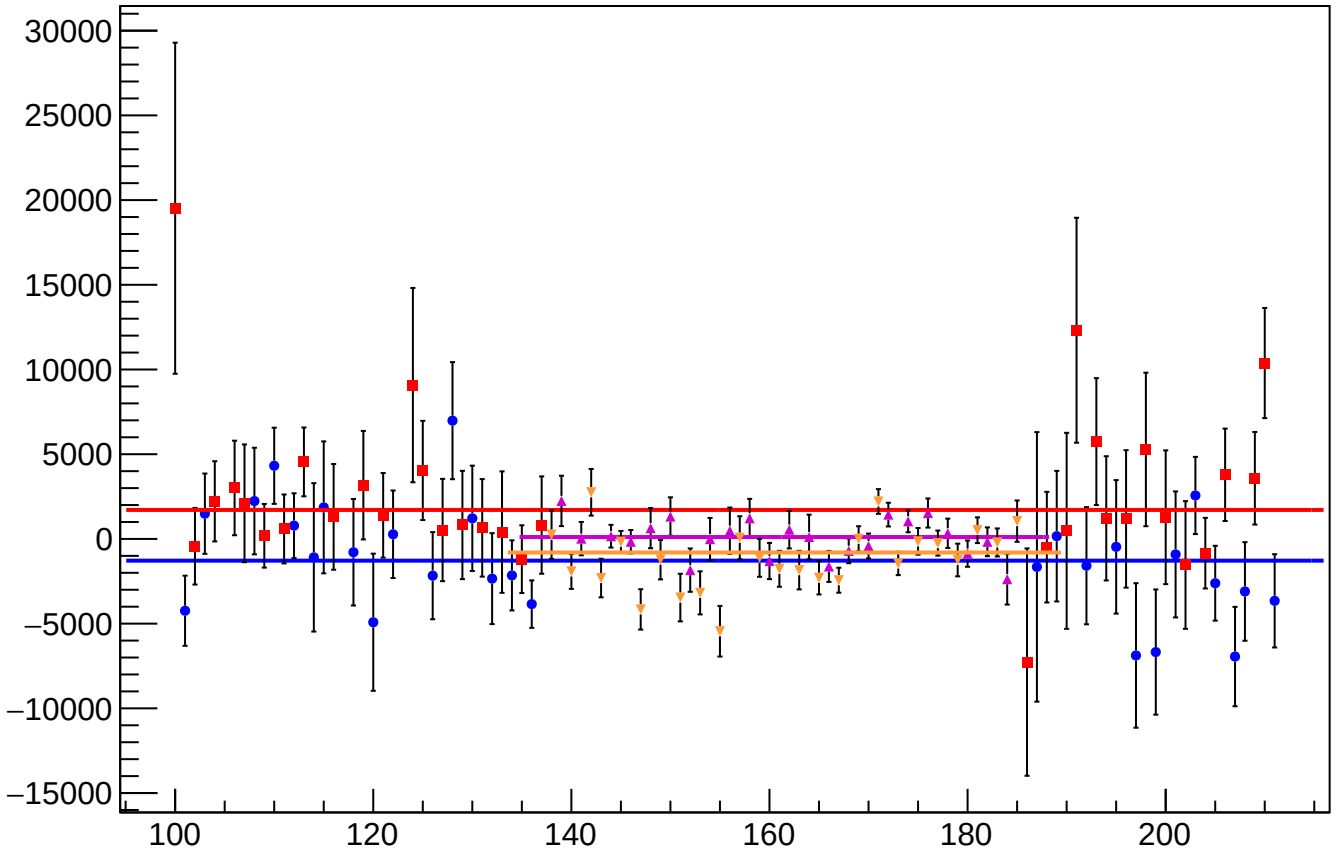
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 149.002+/-0.021 χ^2/NDF: 15402256.1/60

In: 100.682+/-0.013 χ^2/NDF:11187431.2/50

Out: 100.081+/-0.013 χ^2/NDF:13459269.0/57

All: 100.373+/-0.009 χ^2/NDF: 24647748.2/10



Right In: -1282.539+/-510.922 χ^2/NDF: 36.2/27

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1711.396+/-512.987 χ^2/NDF: 29.7/32

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

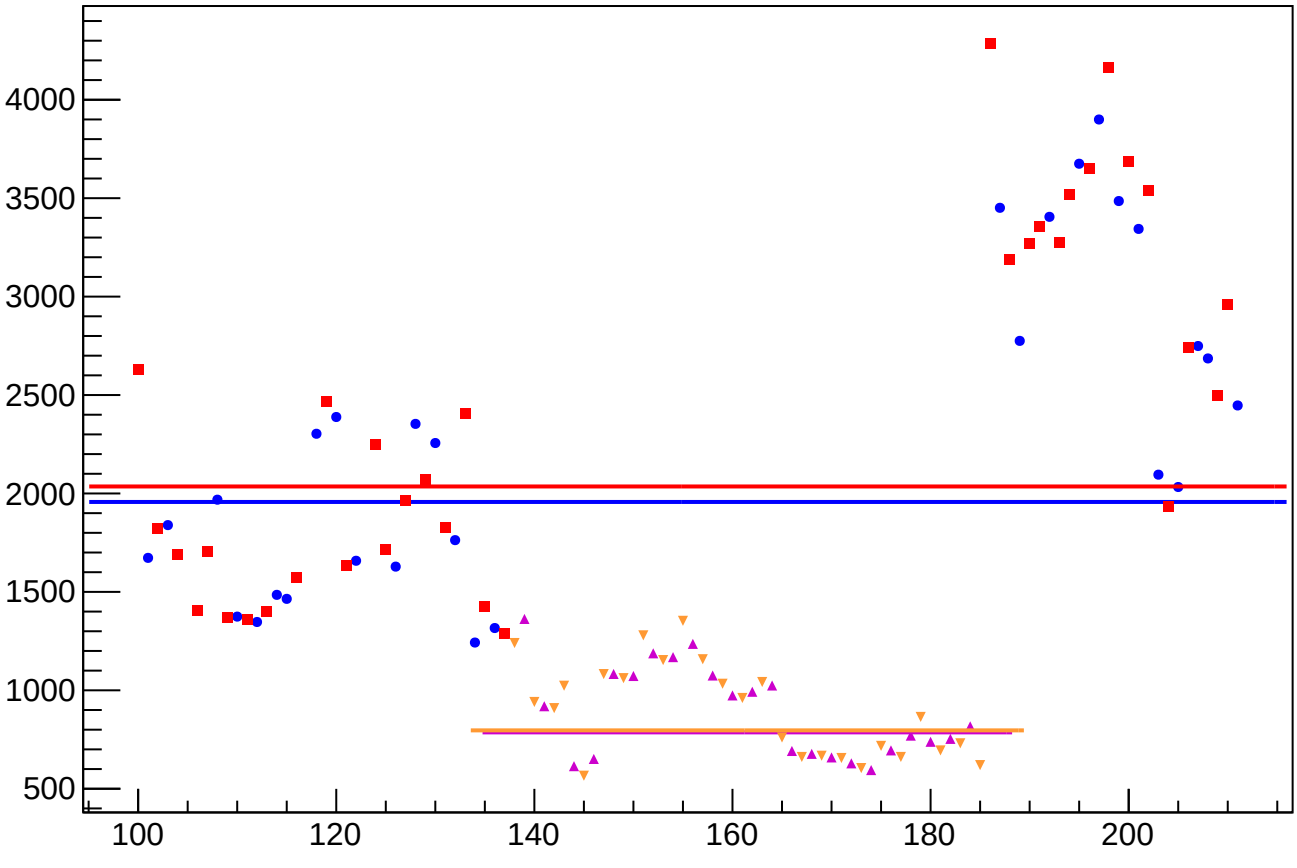
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 208.392+/-362.004 χ^2/NDF: 83.0/60

In: -57.420+/-178.307 χ^2/NDF:69.8/50

Out: -504.641+/-176.317 χ^2/NDF:122.8/57

All: -283.540+/-125.372 χ^2/NDF: 195.7/108



Right In: 1956.856+/-0.361 χ^2/NDF: 3525730.1/27

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2035.557+/-0.363 χ^2/NDF: 4348438.1/32

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

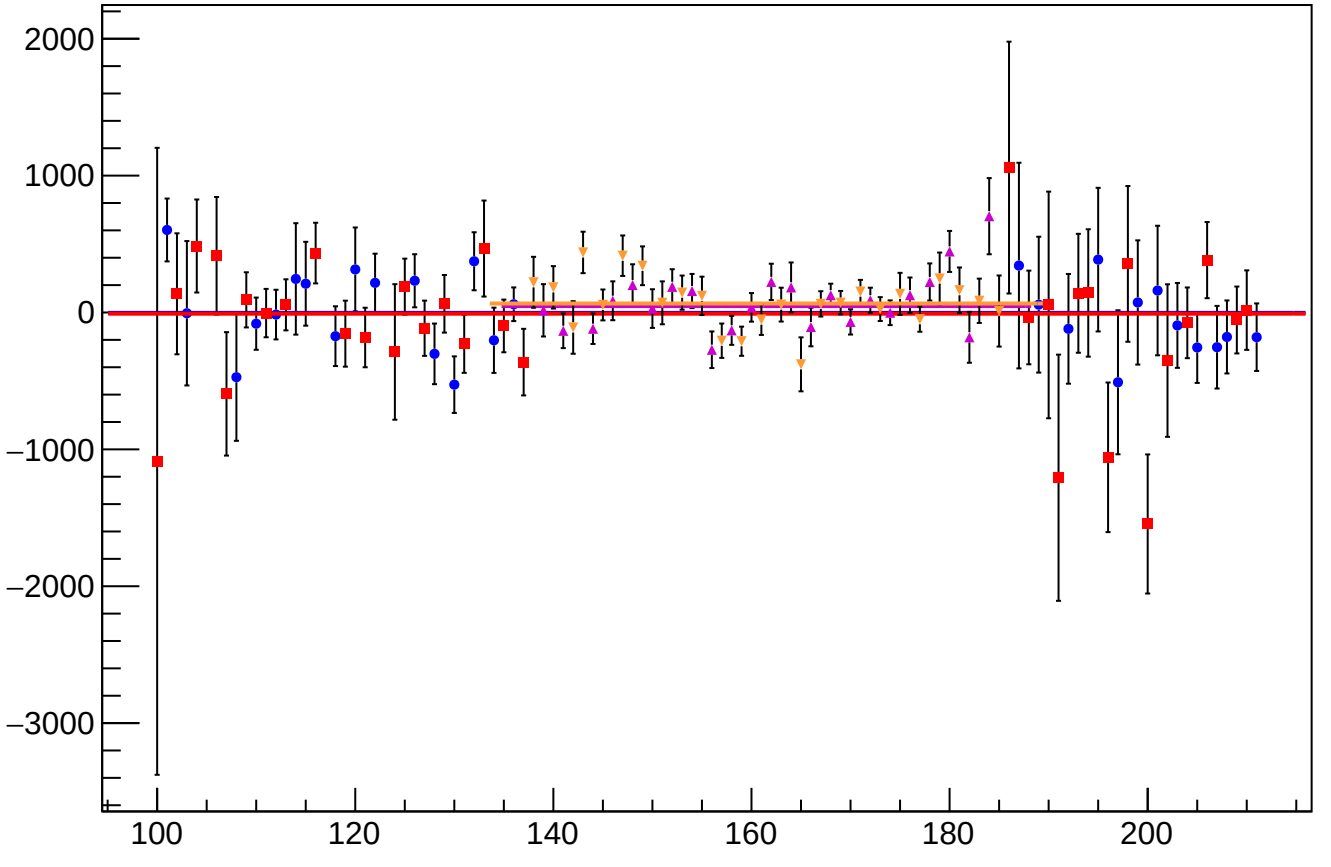
Right: 1996.048+/-0.256 χ^2/NDF: 7897799.9/60

In: 928.898+/-0.126 χ^2/NDF:14901119.9/50

Out: 942.895+/-0.125 χ^2/NDF:17055625.4/57

All: 935.975+/-0.089 χ^2/NDF: 31962976.9/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: -2.864+/-48.388 χ^2/NDF: 30.2/27

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.751+/-49.372 χ^2/NDF: 36.4/32

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

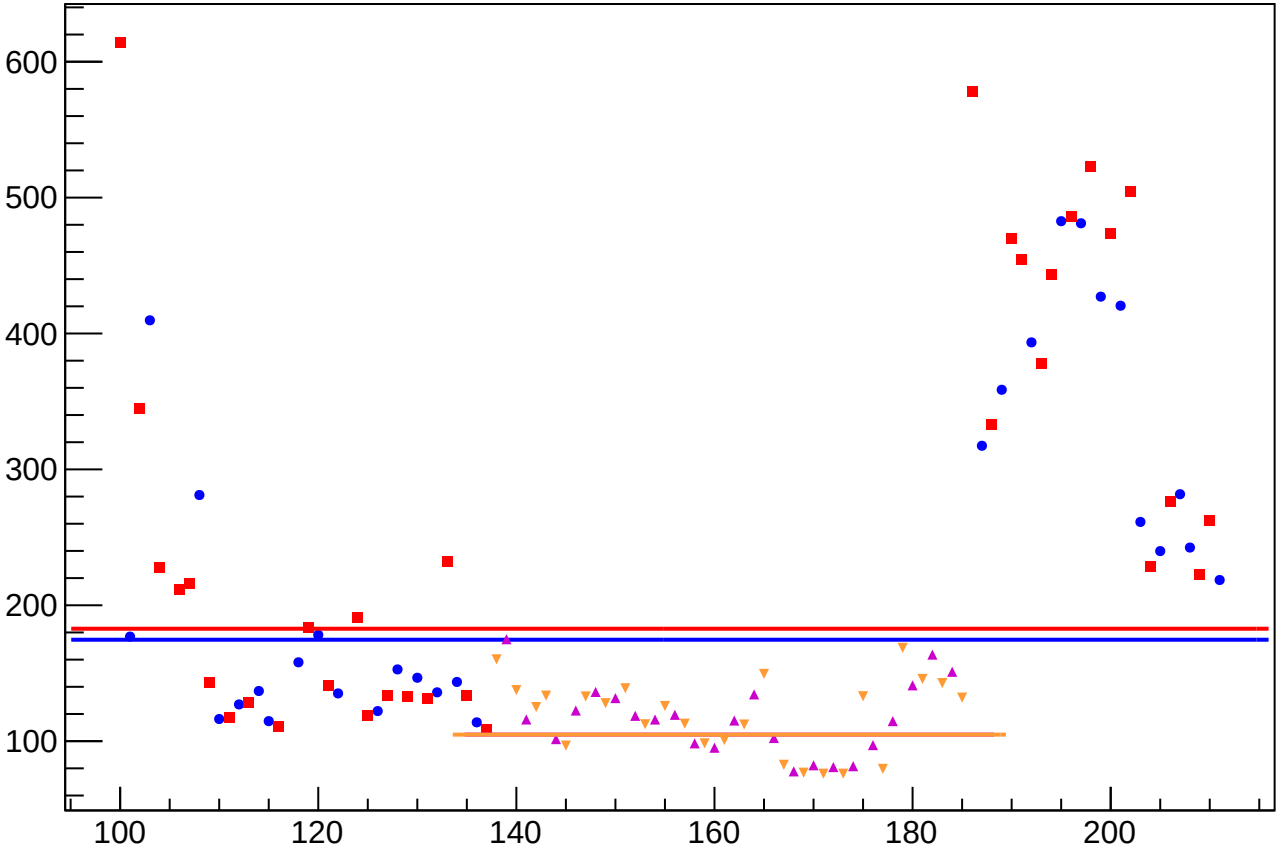
Right: -5.749+/-34.558 χ^2/NDF: 66.7/60

In: 36.061+/-22.695 χ^2/NDF:69.7/50

Out: 50.451+/-22.346 χ^2/NDF:78.3/57

All: 43.368+/-15.923 χ^2/NDF: 148.2/108

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 174.650+/-0.034 χ^2/NDF: 5990692.1/27

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 182.748+/-0.035 χ^2/NDF: 7453418.7/32

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

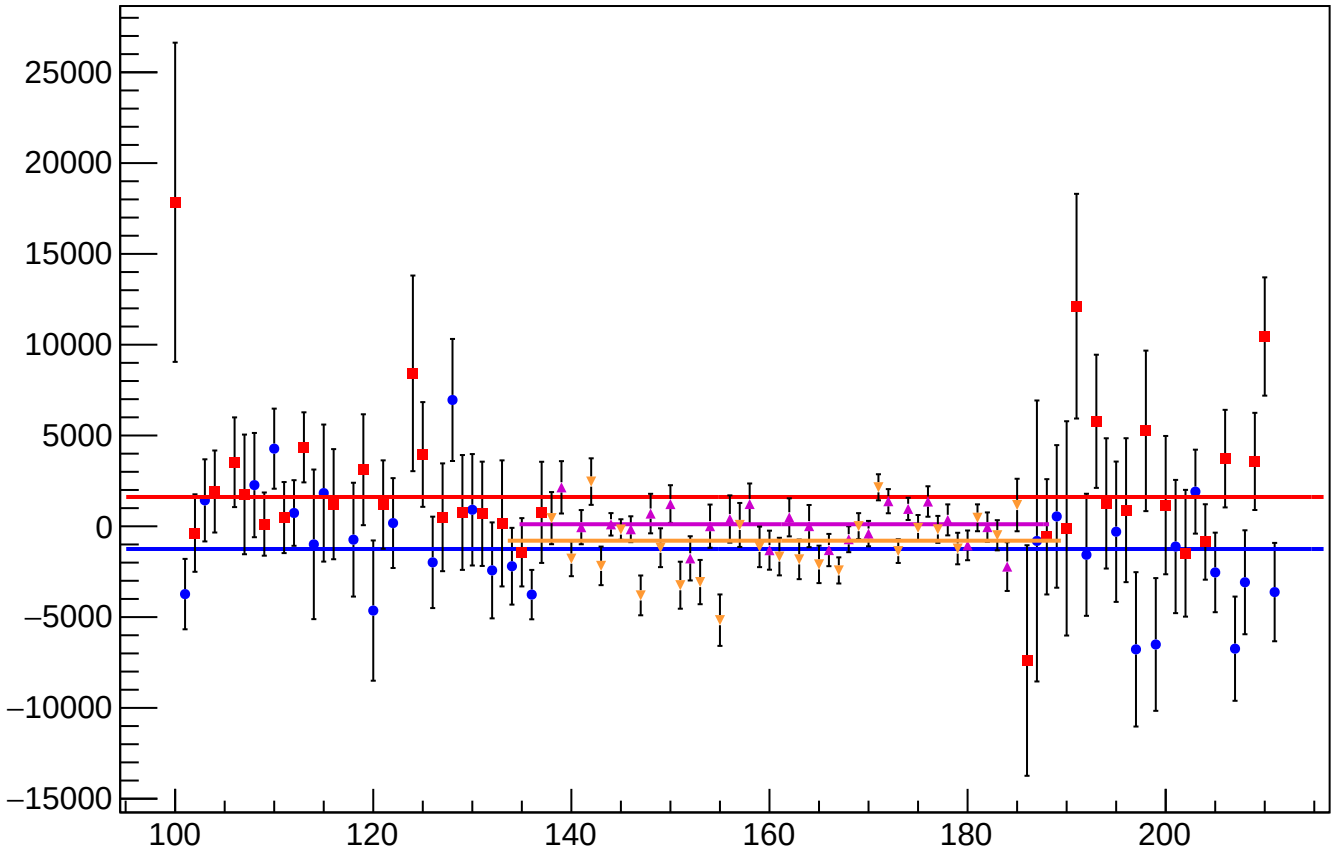
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 178.618+/-0.024 χ^2/NDF: 13471554.6/60

In: 120.192+/-0.016 χ^2/NDF:10852784.1/50

Out: 120.775+/-0.016 χ^2/NDF:13659115.5/57

All: 120.488+/-0.011 χ^2/NDF: 24512569.8/10



Right In: -1249.591+/-497.885 χ^2/NDF: 35.3/27

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1614.123+/-492.943 χ^2/NDF: 31.9/32

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

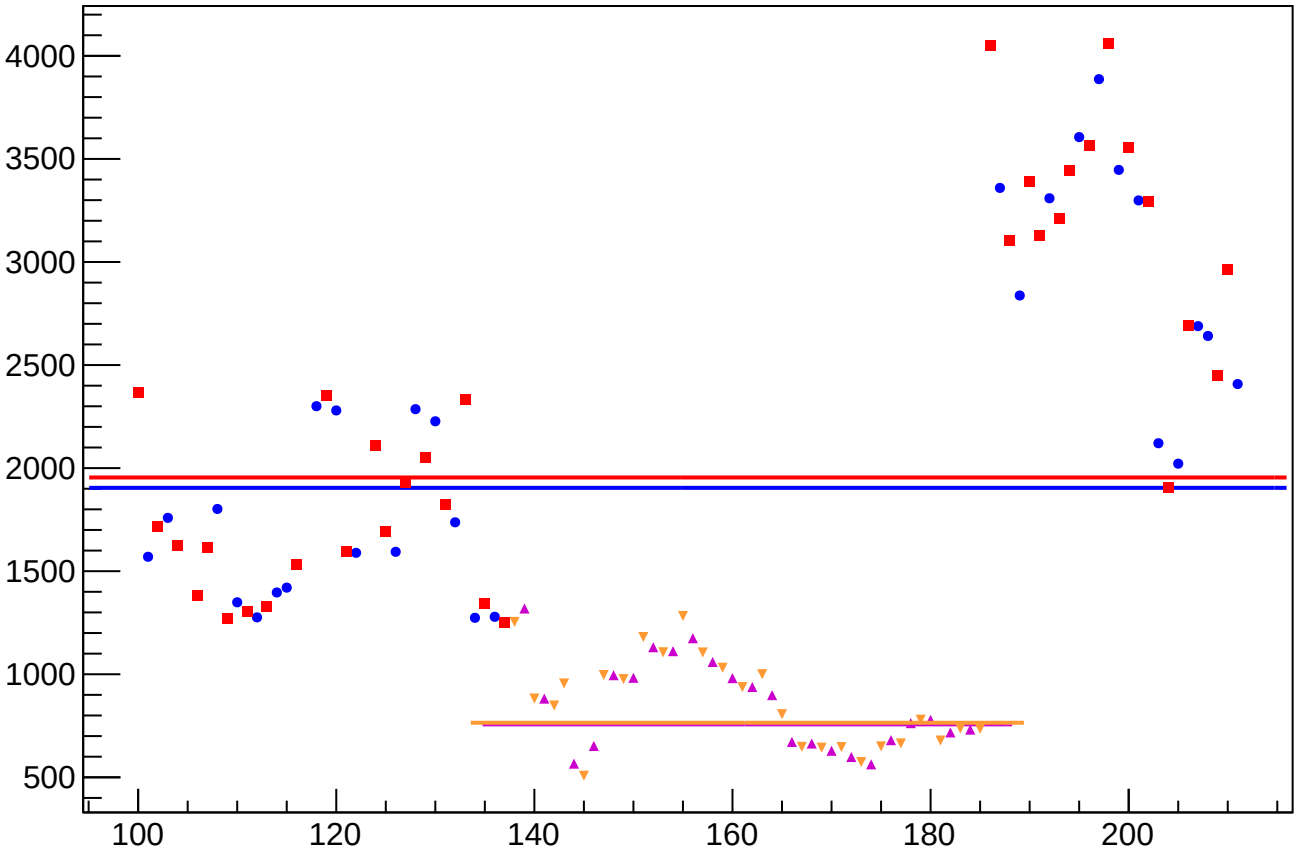
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 196.550+/-350.298 χ^2/NDF: 83.9/60

In: -48.769+/-171.869 χ^2/NDF:68.2/50

Out: -510.151+/-168.995 χ^2/NDF:123.0/57

All: -283.350+/-120.501 χ^2/NDF: 194.9/108



Right In: 1904.378+/-0.352 χ^2/NDF: 3649253.5/27

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1954.621+/-0.349 χ^2/NDF: 4538950.5/32

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

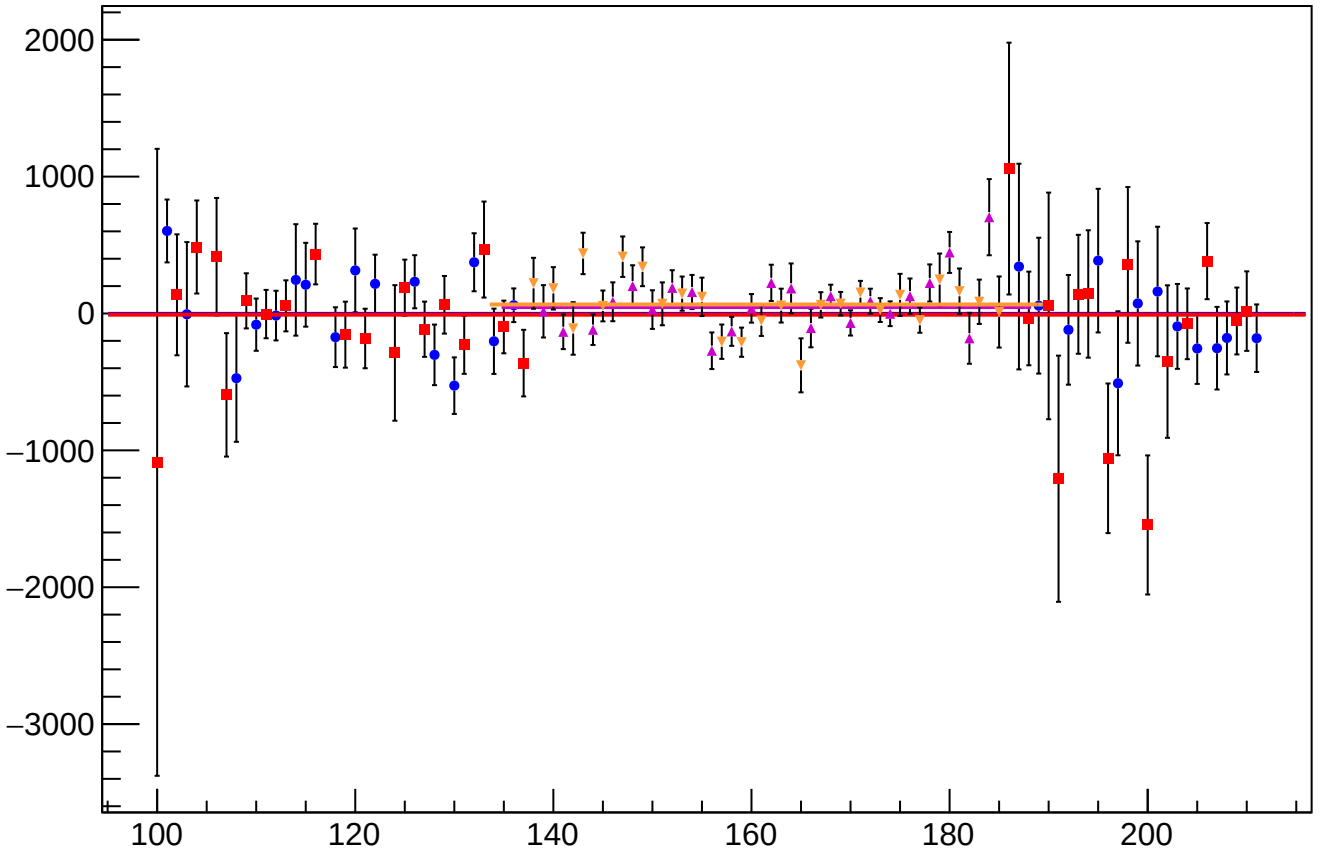
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1929.750+/-0.248 χ^2/NDF: 8198489.2/60

In: 893.658+/-0.122 χ^2/NDF:15121516.0/50

Out: 904.583+/-0.119 χ^2/NDF:17248162.9/57

All: 899.213+/-0.085 χ^2/NDF: 32373786.9/10



Right In: -2.864+/-48.388 χ^2/NDF: 30.2/27

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.755+/-49.373 χ^2/NDF: 36.4/32

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

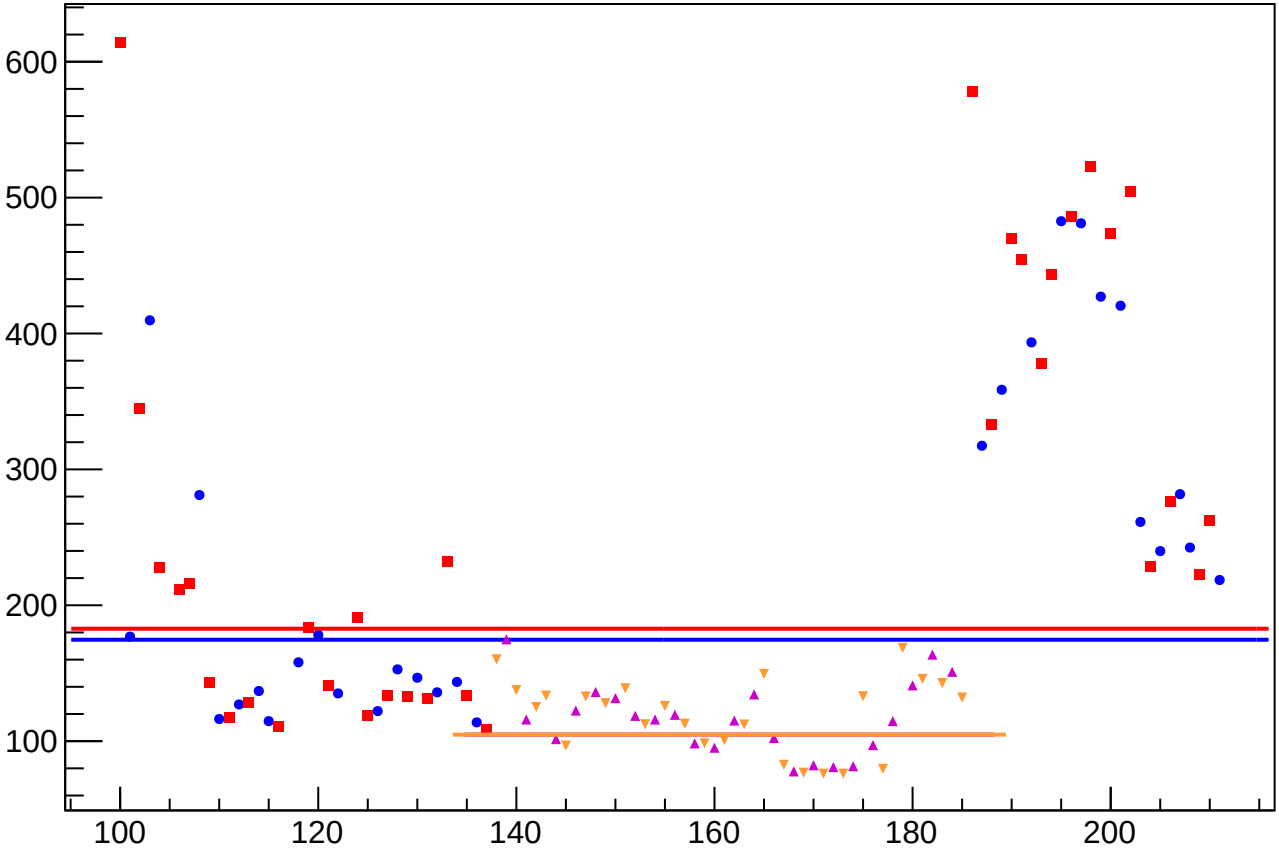
Right: -5.750+/-34.558 χ^2/NDF: 66.7/60

In: 36.061+/-22.695 χ^2/NDF:69.7/50

Out: 50.451+/-22.346 χ^2/NDF:78.3/57

All: 43.367+/-15.923 χ^2/NDF: 148.2/108

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 174.650+/-0.034 χ^2/NDF: 5990680.4/27

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 182.749+/-0.035 χ^2/NDF: 7453399.3/32

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

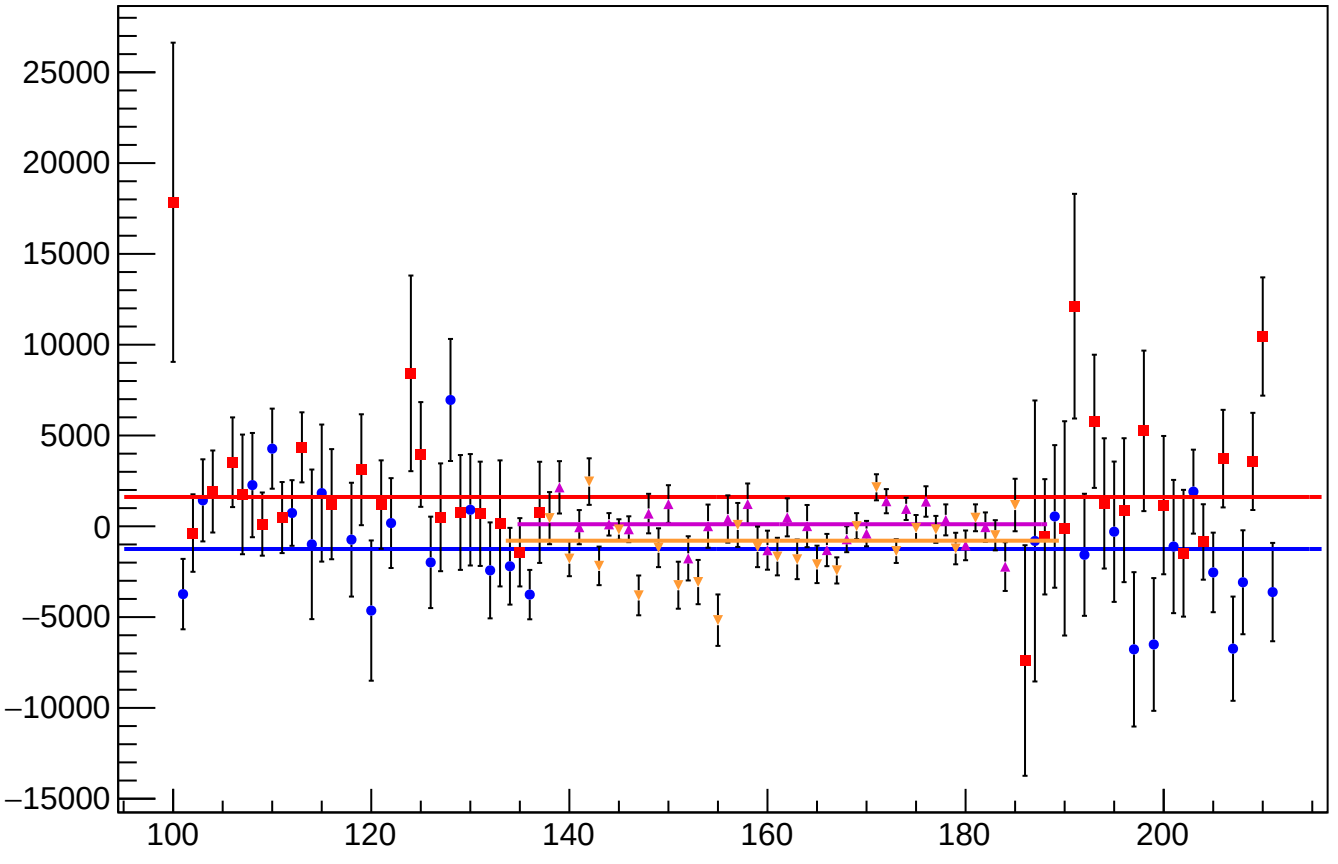
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 178.618+/-0.024 χ^2/NDF: 13471524.9/60

In: 120.192+/-0.016 χ^2/NDF:10852769.6/50

Out: 120.776+/-0.016 χ^2/NDF:13659116.9/57

All: 120.488+/-0.011 χ^2/NDF: 24512556.8/10



Right In: -1249.589+/-497.885 χ^2/NDF: 35.3/27

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1614.122+/-492.942 χ^2/NDF: 31.9/32

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

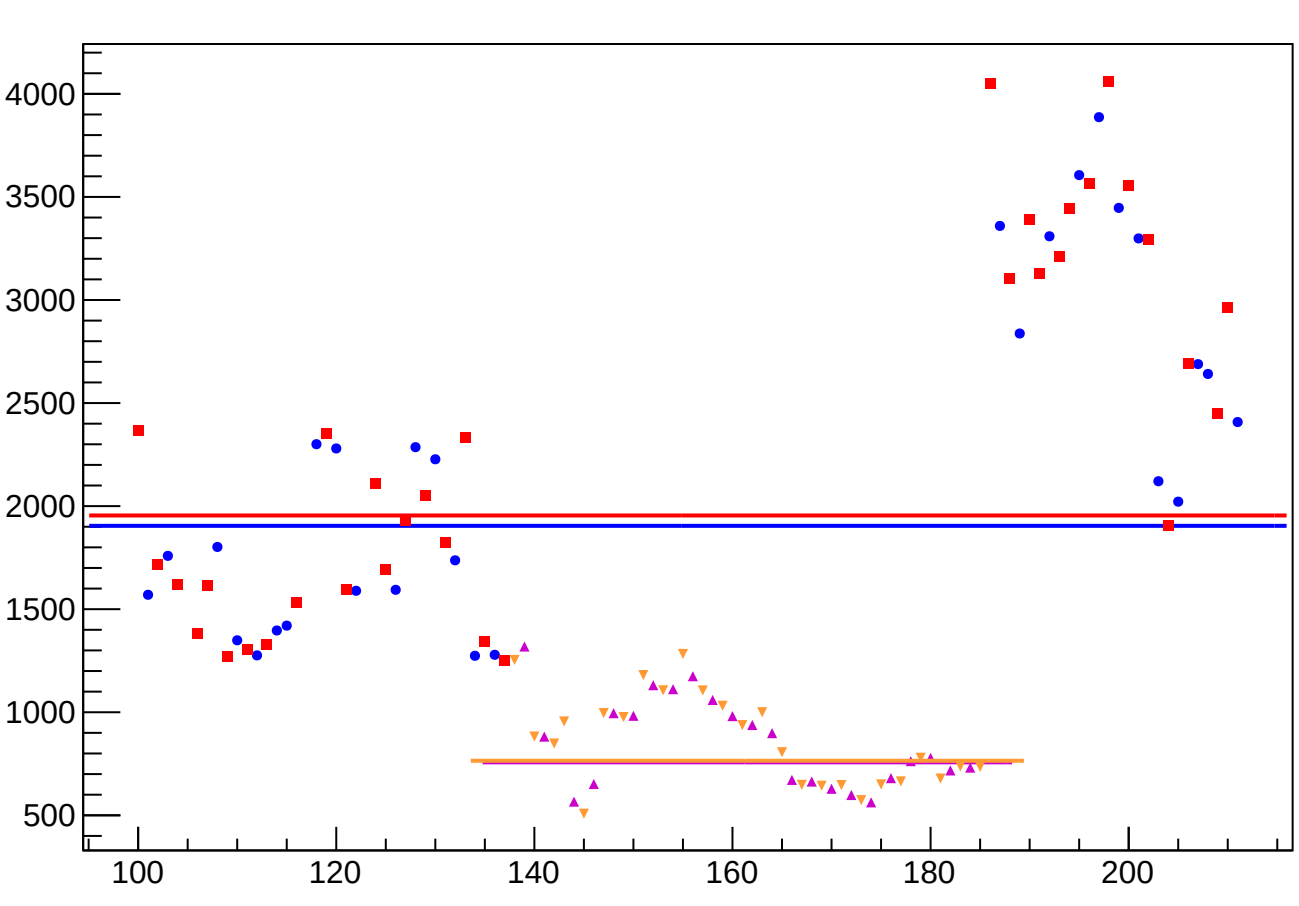
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 196.551+/-350.297 χ^2/NDF: 83.9/60

In: -48.769+/-171.869 χ^2/NDF:68.2/50

Out: -510.152+/-168.994 χ^2/NDF:123.0/57

All: -283.351+/-120.500 χ^2/NDF: 194.9/108



Right In: 1904.376+/-0.352 χ^2/NDF: 3649253.9/27

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1954.619+/-0.349 χ^2/NDF: 4538952.2/32

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

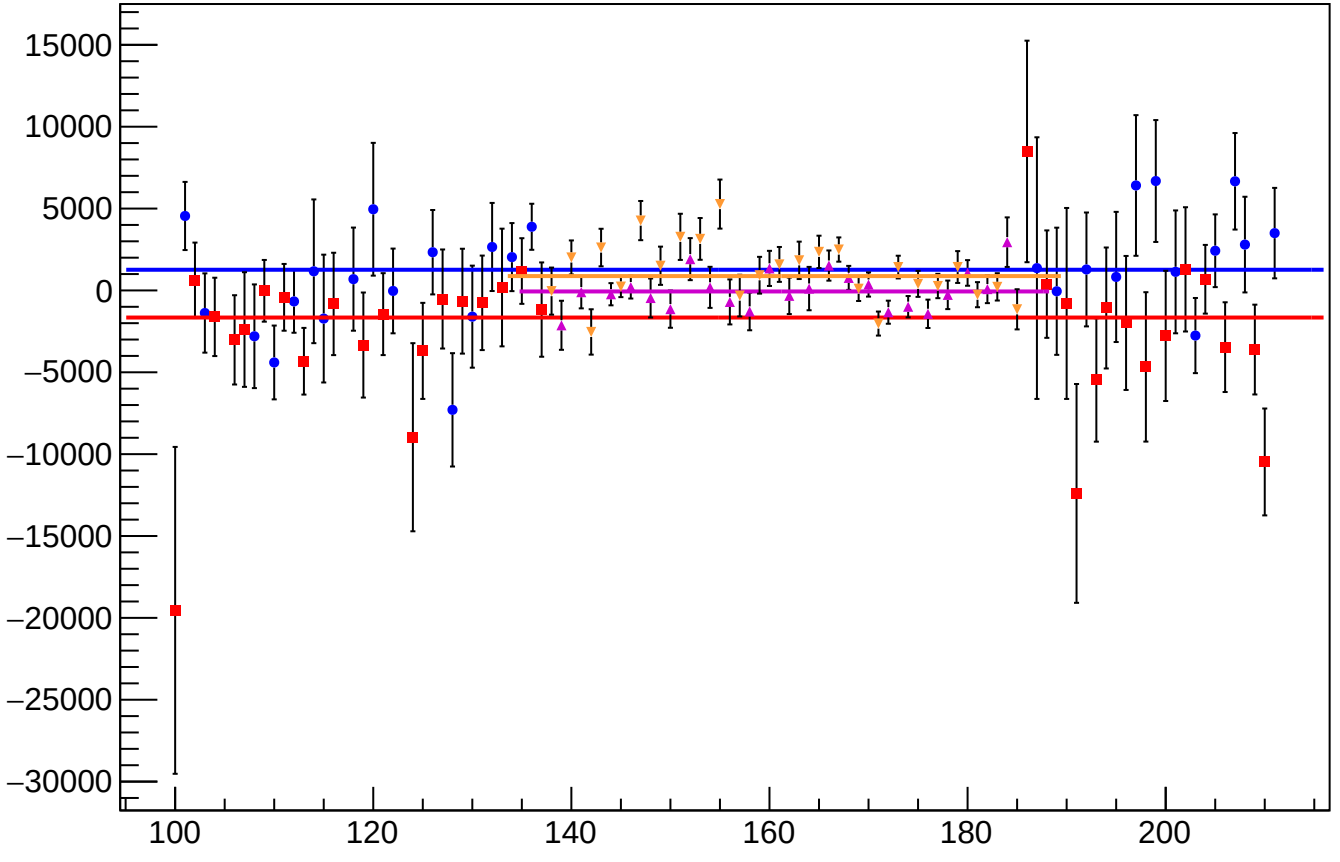
Right: 1929.748+/-0.248 χ^2/NDF: 8198491.0/60

In: 893.658+/-0.122 χ^2/NDF:15121511.9/50

Out: 904.582+/-0.119 χ^2/NDF:17248150.5/57

All: 899.212+/-0.085 χ^2/NDF: 32373770.5/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1262.882+/-513.494 χ^2/NDF: 36.7/27

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1655.852+/-515.075 χ^2/NDF: 29.3/32

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

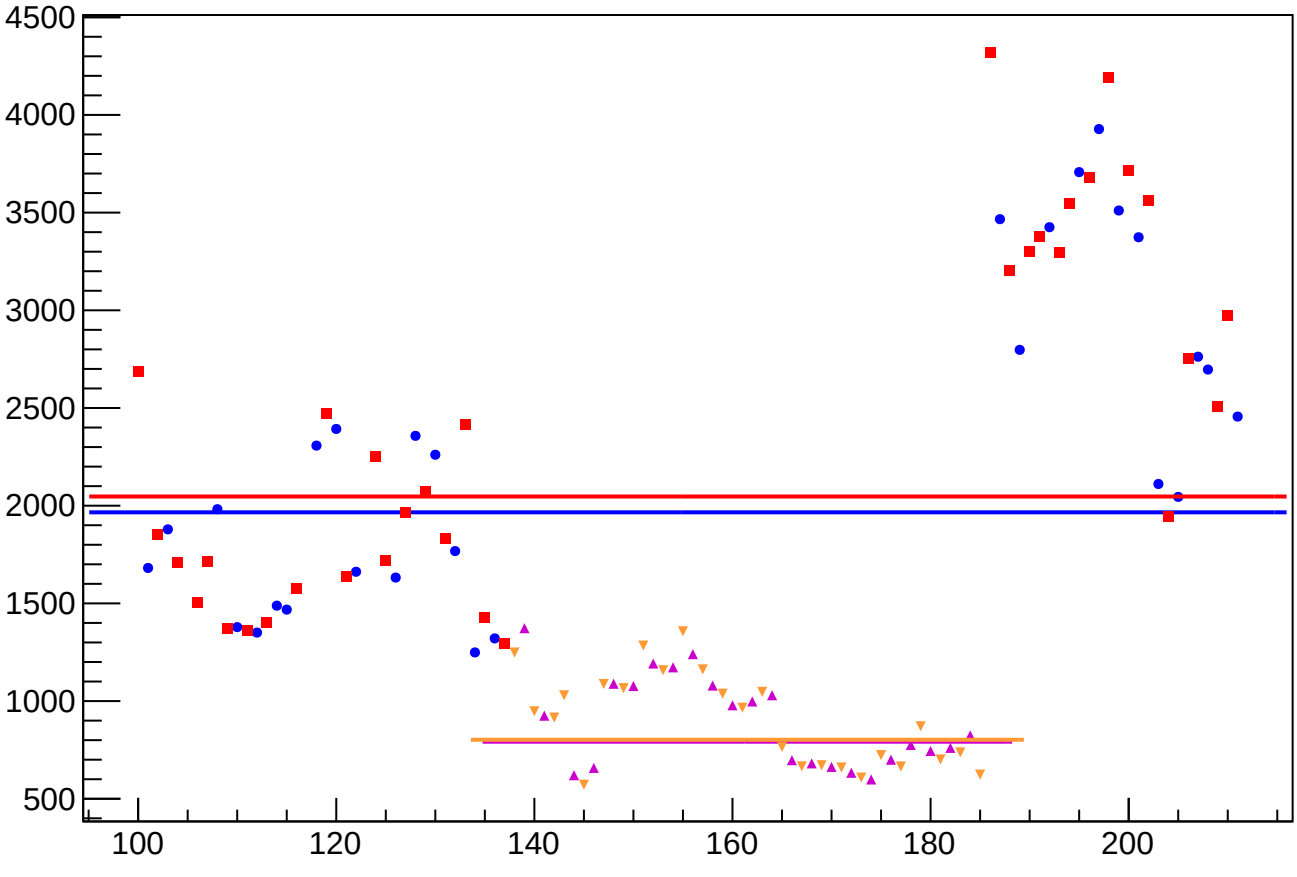
Right: -191.999+/-363.652 χ^2/NDF: 82.1/60

In: 99.248+/-179.508 χ^2/NDF:69.7/50

Out: 575.986+/-177.431 χ^2/NDF:117.9/57

All: 340.391+/-126.190 χ^2/NDF: 191.1/108

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1966.050+/-0.363 χ^2/NDF: 3544670.2/27

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2047.038+/-0.364 χ^2/NDF: 4347898.3/32

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

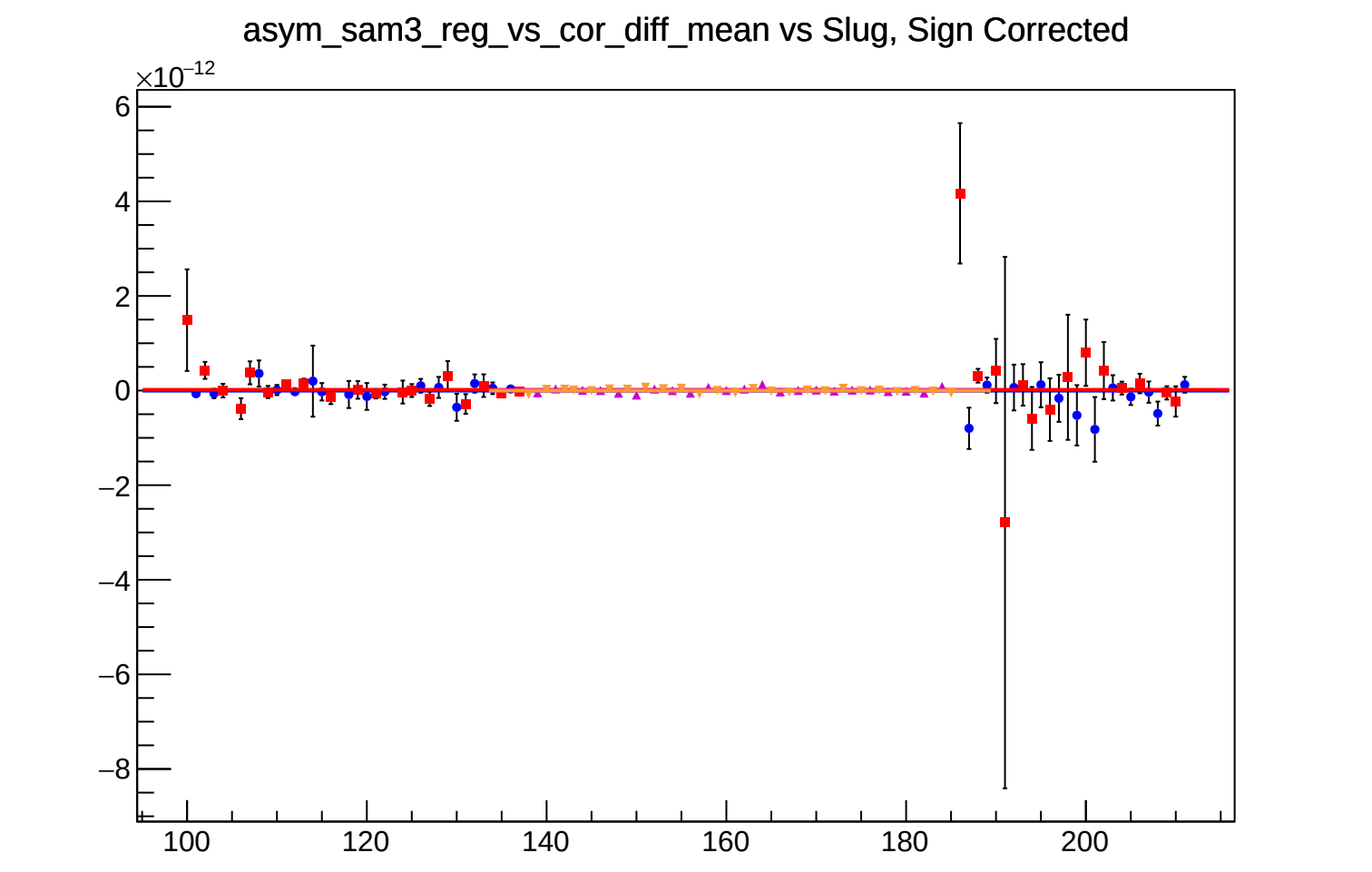
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 2006.419+/-0.257 χ^2/NDF: 7917367.3/60

In: 935.530+/-0.127 χ^2/NDF:14856819.8/50

Out: 949.753+/-0.125 χ^2/NDF:17042721.6/57

All: 942.724+/-0.089 χ^2/NDF: 31905892.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/32

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

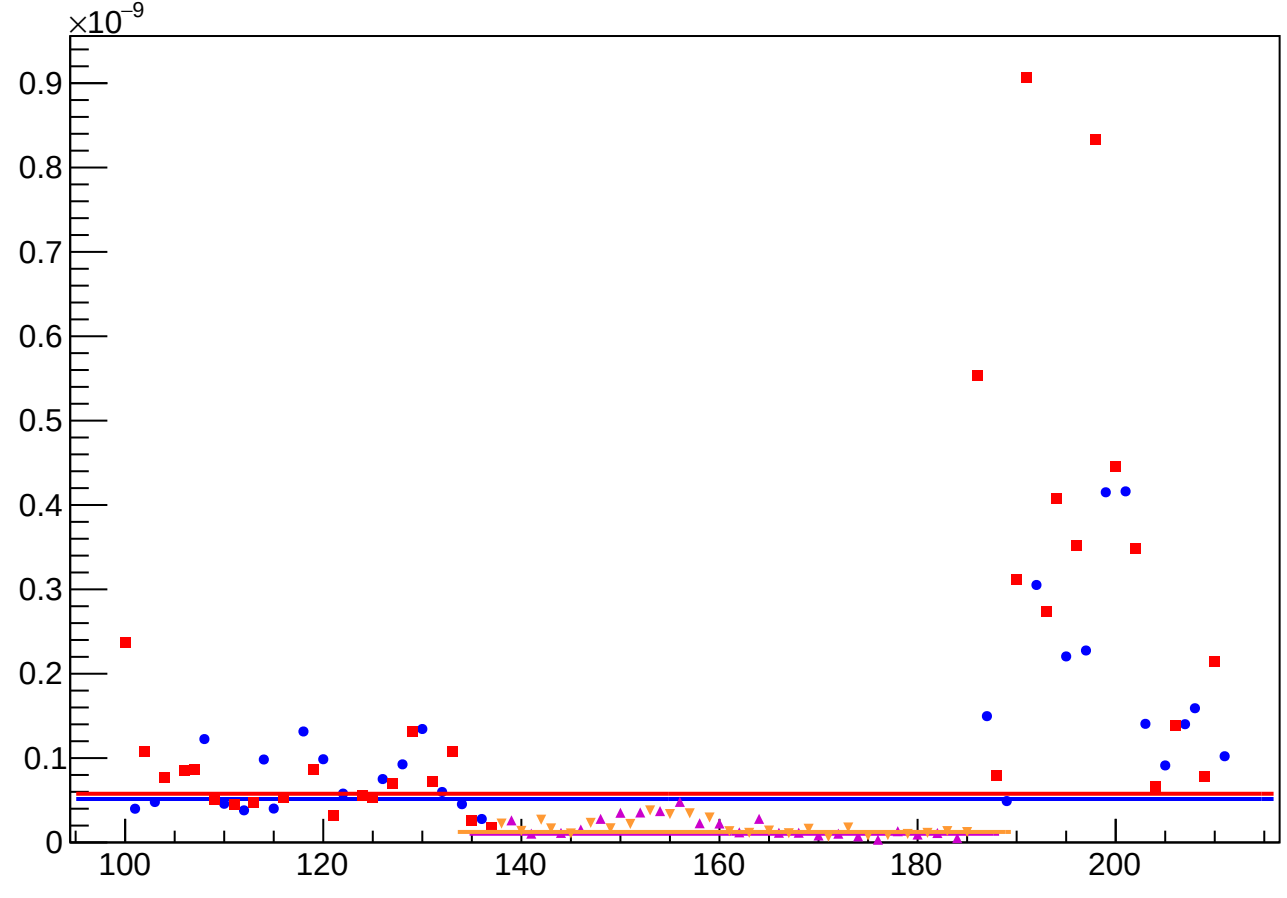
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/60

In: 0.000+/-0.000 χ^2/NDF:49.6/50

Out: -0.000+/-0.000 χ^2/NDF:65.0/57

All: 0.000+/-0.000 χ^2/NDF: 115.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 4933185.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6281836.9/32

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

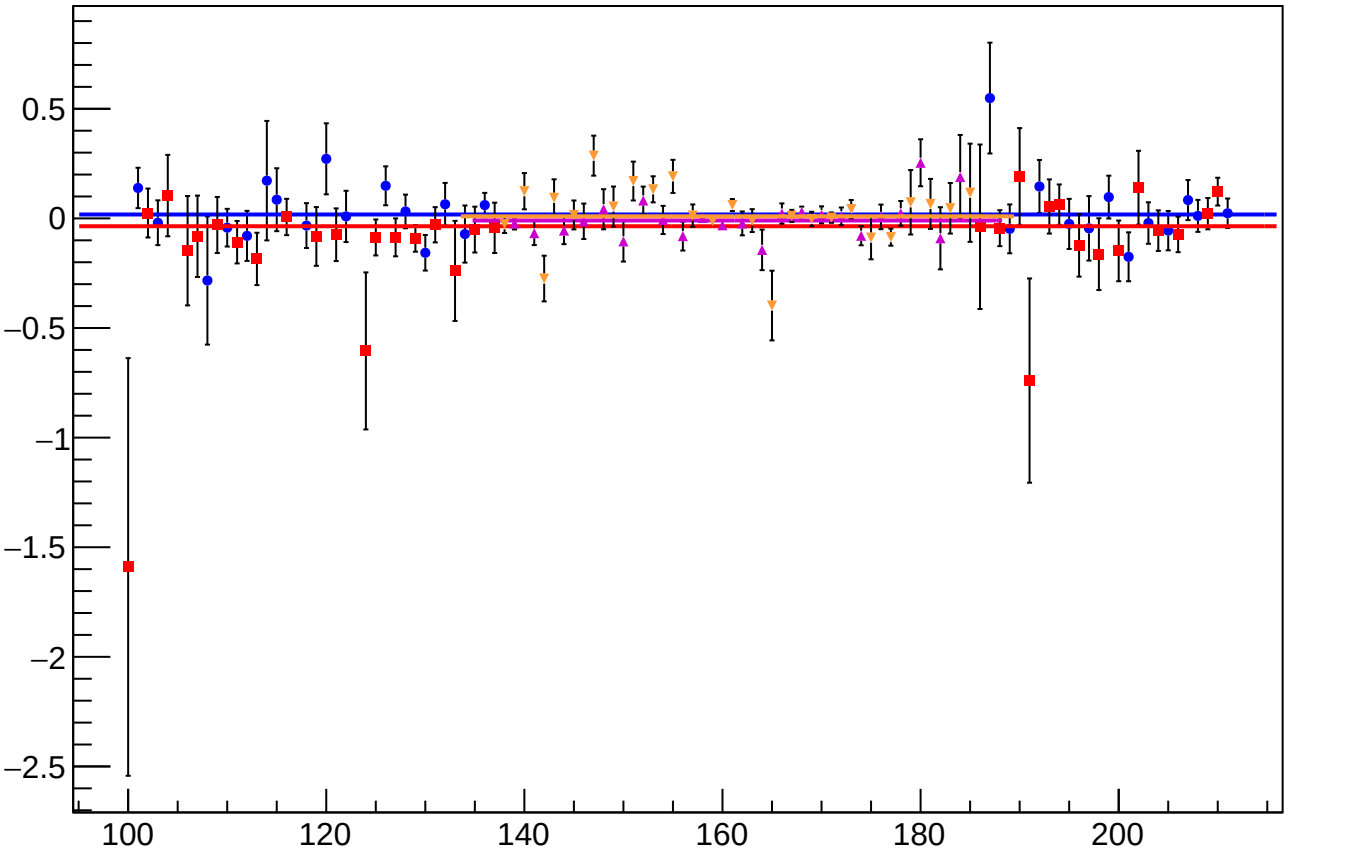
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11269174.9/60

In: 0.000+/-0.000 χ^2/NDF:13608183.0/50

Out: 0.000+/-0.000 χ^2/NDF:13586942.8/57

All: 0.000+/-0.000 χ^2/NDF: 27400727.6/108



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.036+/-0.019 χ^2/NDF: 26.2/32

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

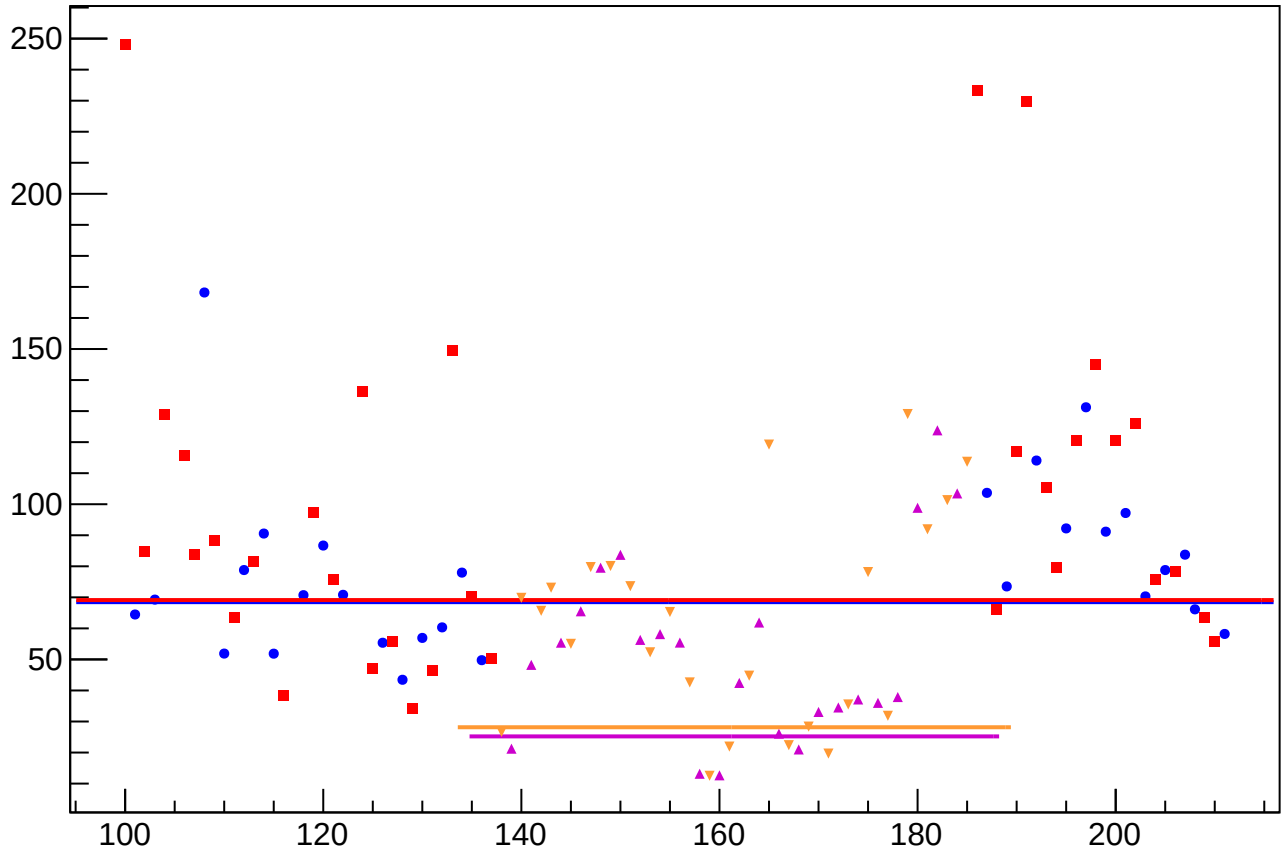
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.009+/-0.013 χ^2/NDF: 57.0/60

In: -0.005+/-0.007 χ^2/NDF:53.8/50

Out: 0.002+/-0.008 χ^2/NDF:85.6/57

All: -0.002+/-0.005 χ^2/NDF: 139.8/108



Right In: 68.453+/-0.013 χ^2/NDF: 2091455.9/27

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.122+/-0.013 χ^2/NDF: 4468302.9/32

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

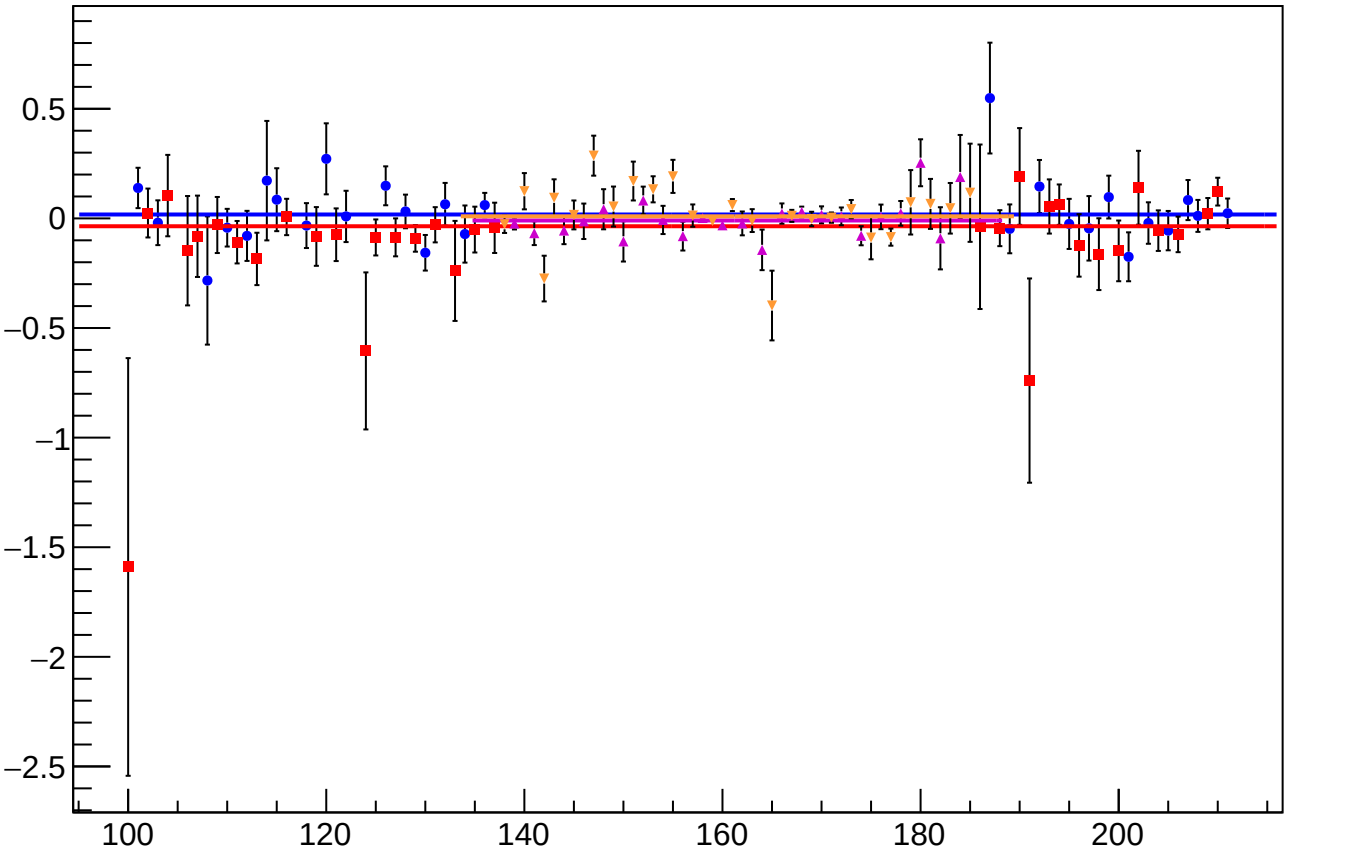
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.784+/-0.009 χ^2/NDF: 6561034.2/60

In: 31.828+/-0.005 χ^2/NDF:21178477.2/50

Out: 35.023+/-0.005 χ^2/NDF:23410603.9/57

All: 33.335+/-0.004 χ^2/NDF: 44770146.5/108



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.036+/-0.019 χ^2/NDF: 26.2/32

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

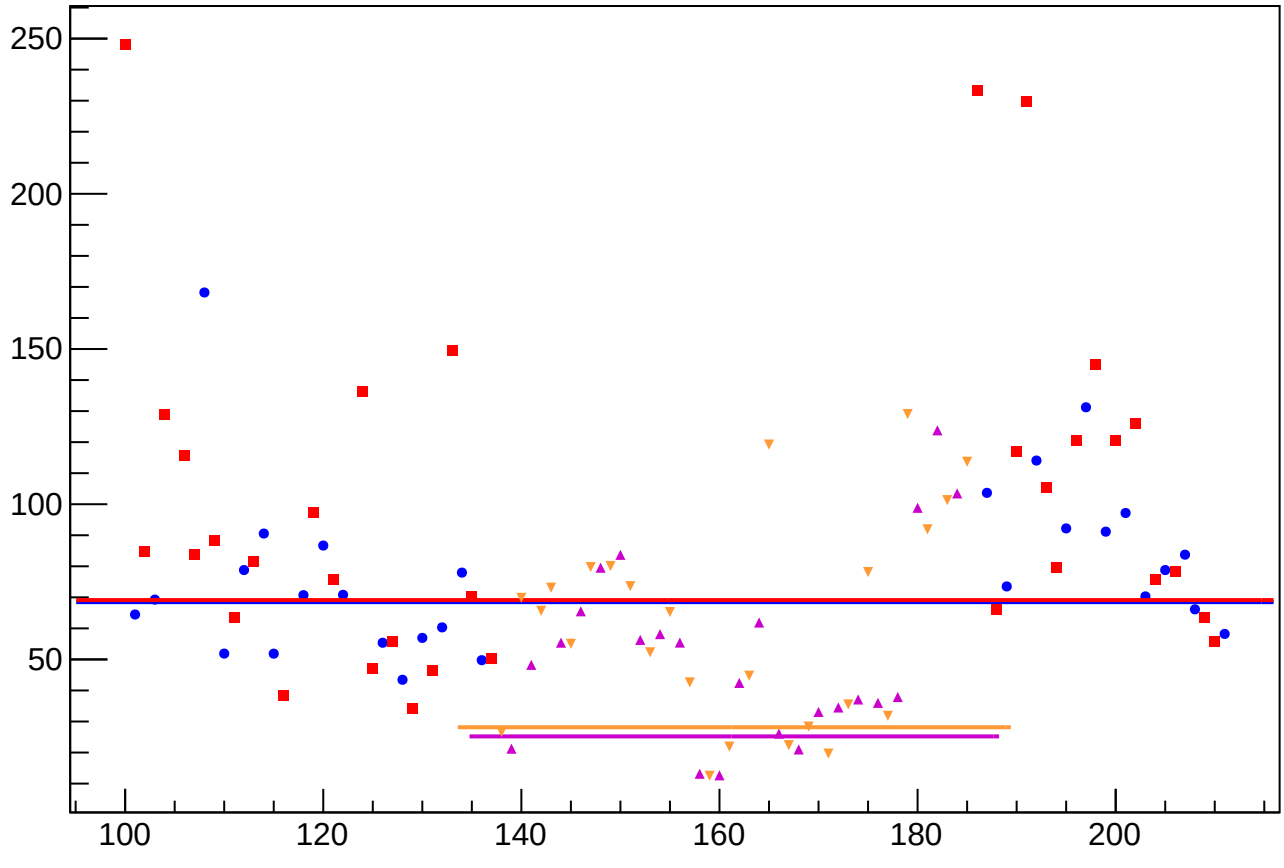
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.009+/-0.013 χ^2/NDF: 57.0/60

In: -0.005+/-0.007 χ^2/NDF:53.8/50

Out: 0.002+/-0.008 χ^2/NDF:85.6/57

All: -0.002+/-0.005 χ^2/NDF: 139.8/108



Right In: 68.453+/-0.013 χ^2/NDF: 2091455.9/27

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.122+/-0.013 χ^2/NDF: 4468302.9/32

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

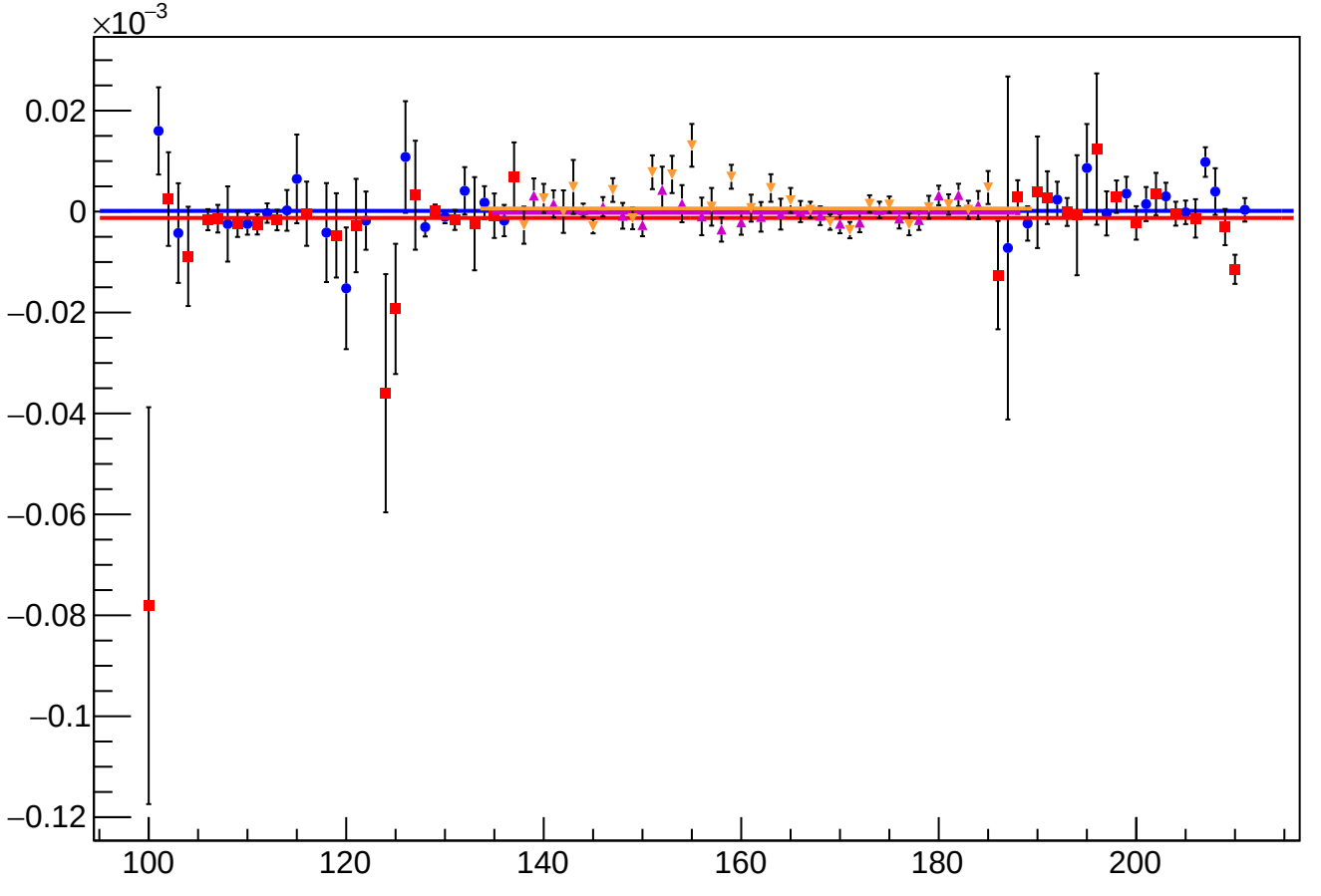
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.784+/-0.009 χ^2/NDF: 6561034.2/60

In: 31.828+/-0.005 χ^2/NDF:21178477.2/50

Out: 35.023+/-0.005 χ^2/NDF:23410603.9/57

All: 33.335+/-0.004 χ^2/NDF: 44770146.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

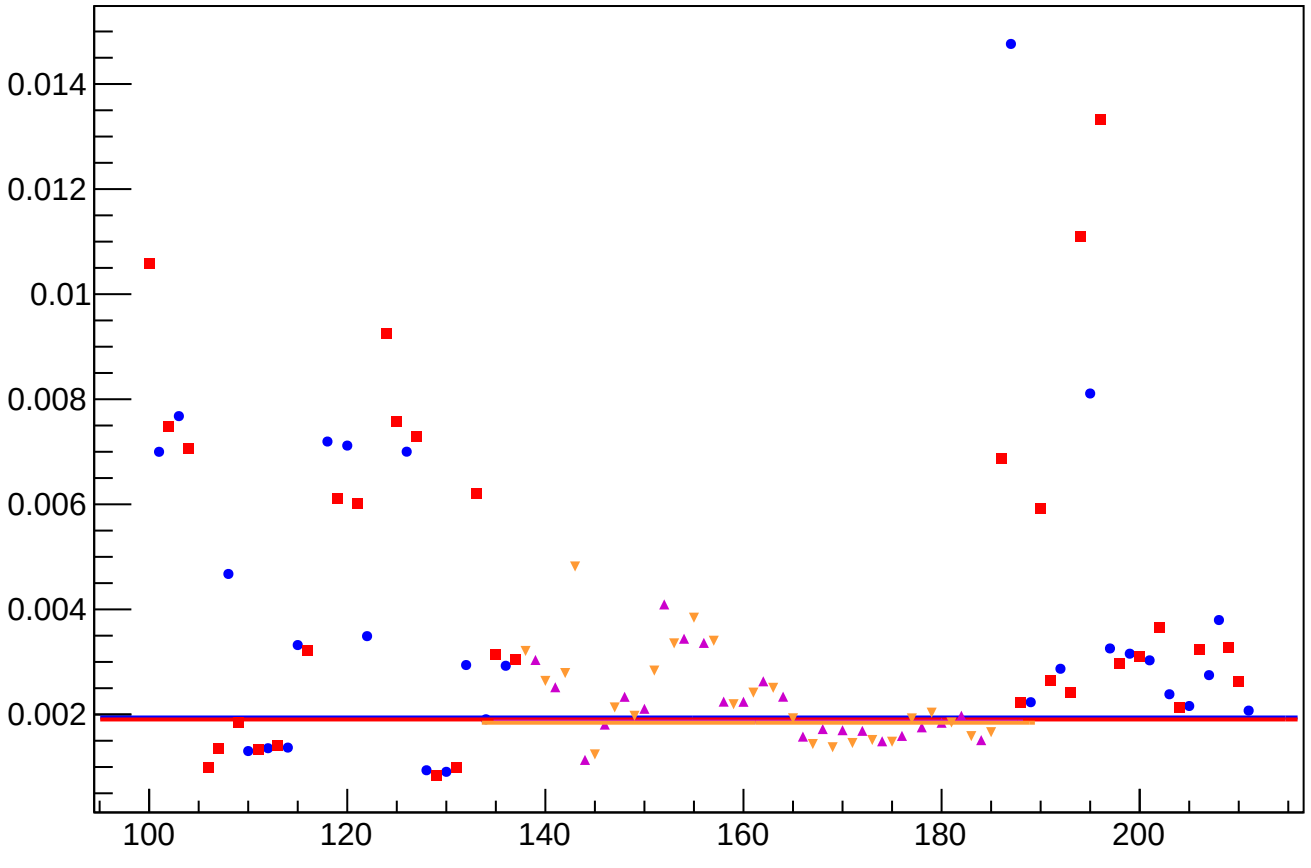
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/60

In: -0.000+/-0.000 χ^2/NDF:46.4/50

Out: -0.000+/-0.000 χ^2/NDF:91.7/57

All: -0.000+/-0.000 χ^2/NDF: 138.2/108



Right In: 0.002+/-0.000 χ^2/NDF: 8467595.1/27

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11351891.0/32

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

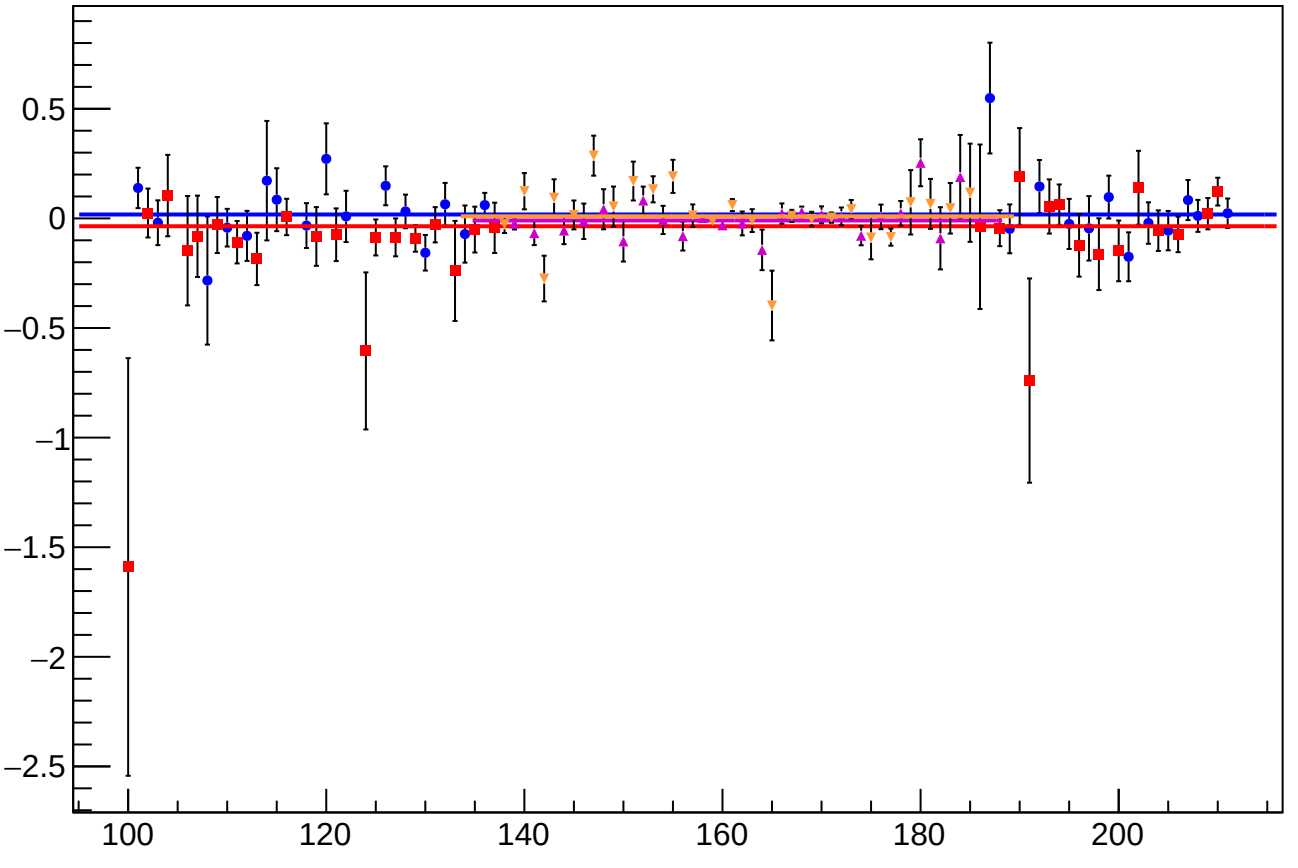
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 19823644.7/60

In: 0.002+/-0.000 χ^2/NDF:11283429.0/50

Out: 0.002+/-0.000 χ^2/NDF:15149525.0/57

All: 0.002+/-0.000 χ^2/NDF: 26439152.4/108



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.036+/-0.019 χ^2/NDF: 26.2/32

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

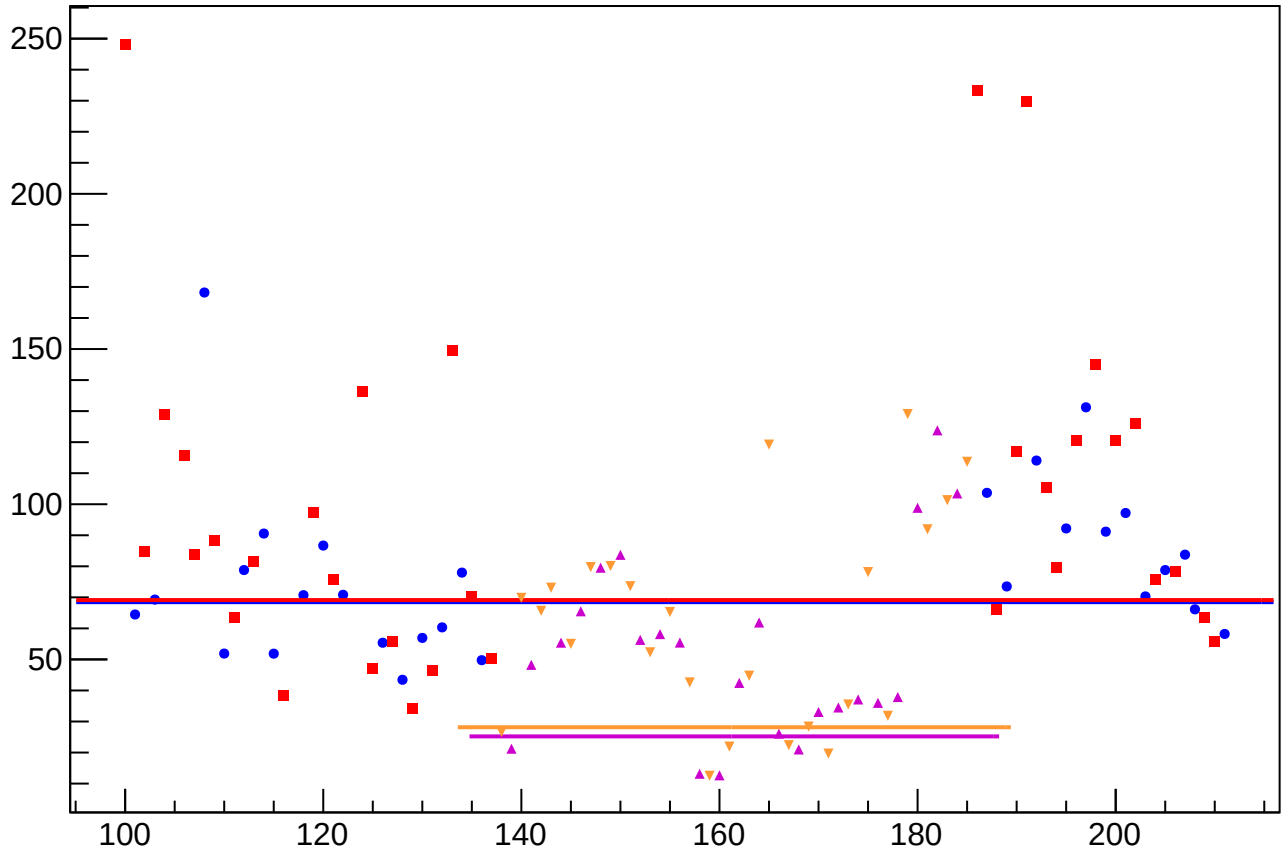
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.009+/-0.013 χ^2/NDF: 57.0/60

In: -0.005+/-0.007 χ^2/NDF:53.8/50

Out: 0.002+/-0.008 χ^2/NDF:85.6/57

All: -0.002+/-0.005 χ^2/NDF: 139.8/108



Right In: 68.454+/-0.013 χ^2/NDF: 2091446.8/27

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.123+/-0.013 χ^2/NDF: 4468354.6/32

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

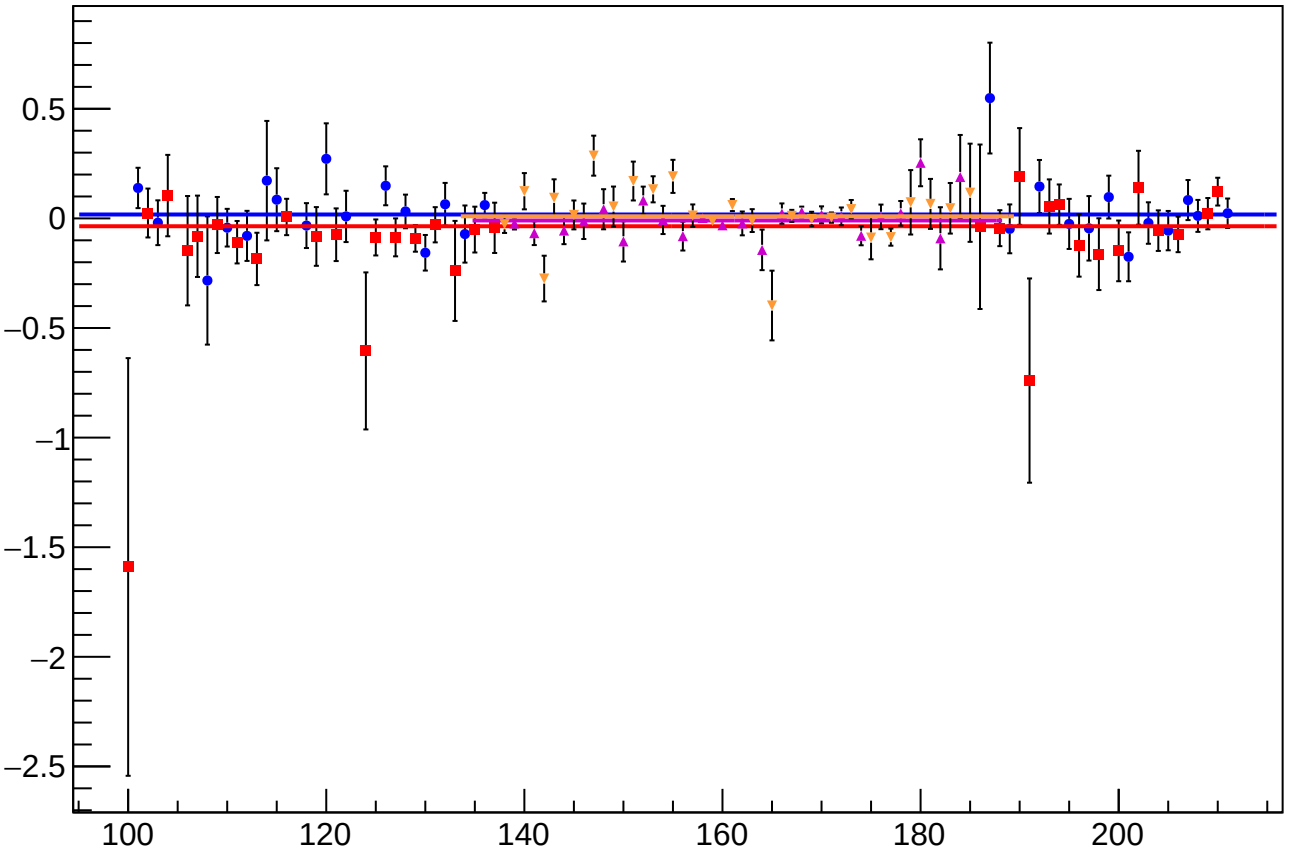
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.785+/-0.009 χ^2/NDF: 6561077.9/60

In: 31.828+/-0.005 χ^2/NDF:21179194.6/50

Out: 35.022+/-0.005 χ^2/NDF:23412412.8/57

All: 33.335+/-0.004 χ^2/NDF: 44772585.1/108



Right In: 0.018+/-0.019 χ^2/NDF: 26.7/27

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.036+/-0.019 χ^2/NDF: 26.2/32

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

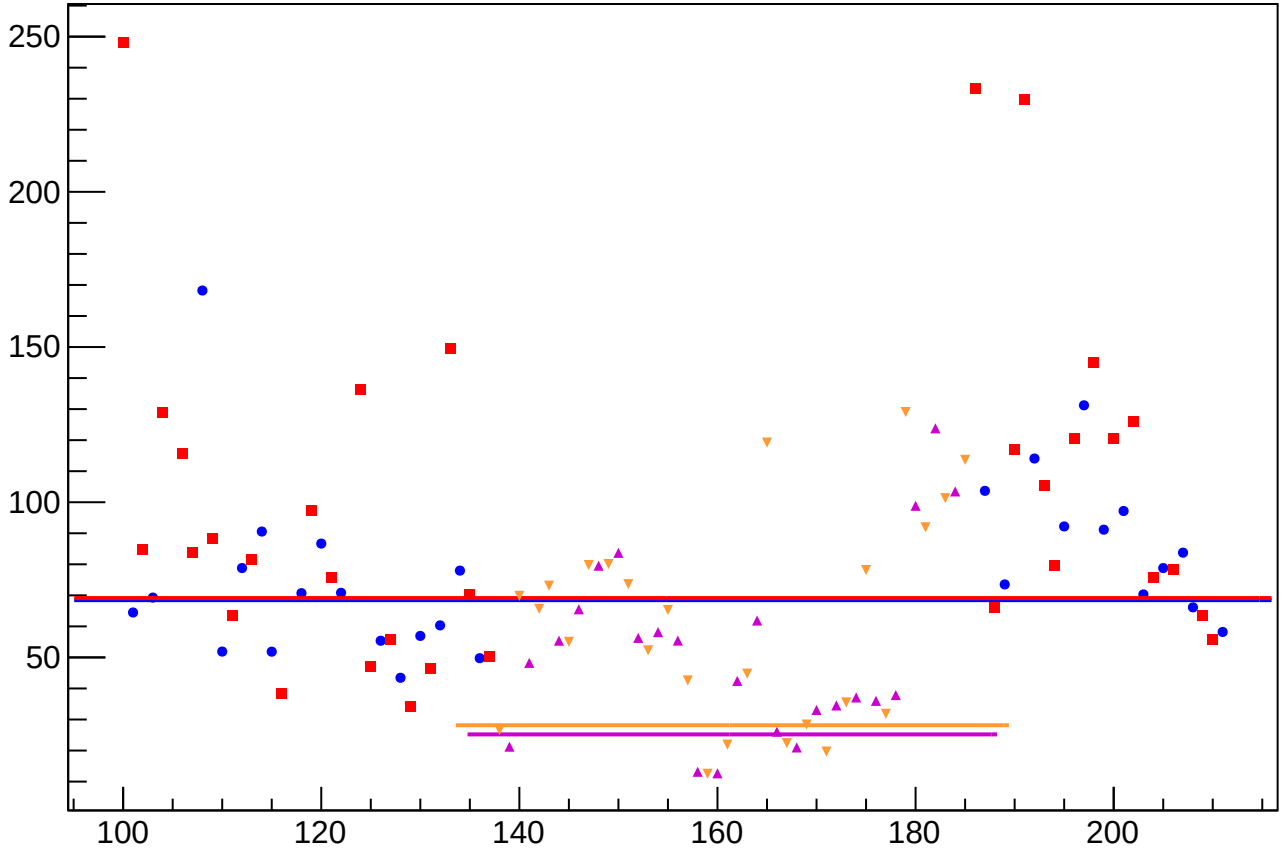
Right: -0.009+/-0.013 χ^2/NDF: 57.0/60

In: -0.005+/-0.007 χ^2/NDF:53.8/50

Out: 0.002+/-0.008 χ^2/NDF:85.6/57

All: -0.002+/-0.005 χ^2/NDF: 139.8/108

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.454+/-0.013 χ^2/NDF: 2091446.8/27

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.123+/-0.013 χ^2/NDF: 4468354.6/32

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

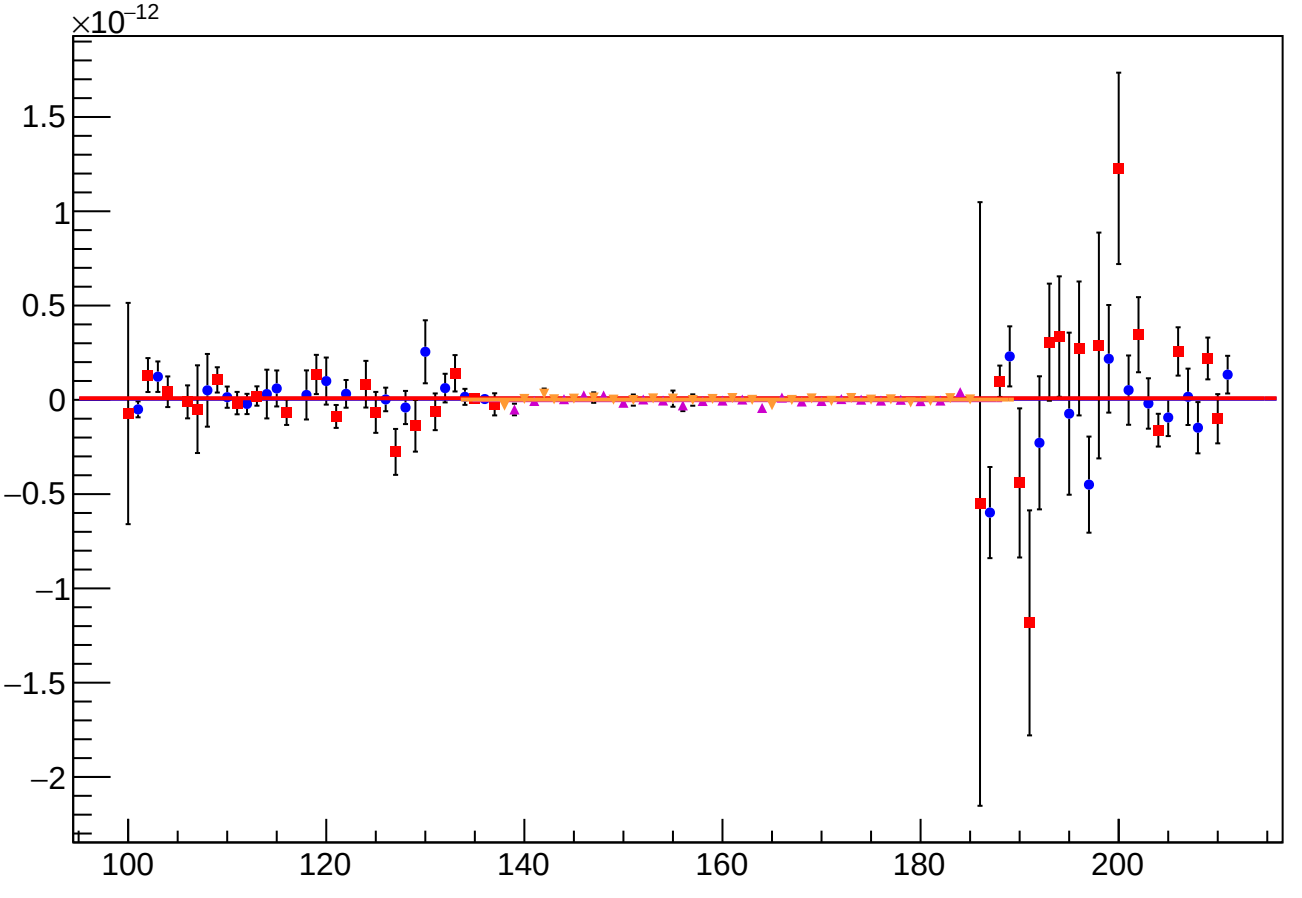
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.785+/-0.009 χ^2/NDF: 6561077.9/60

In: 31.828+/-0.005 χ^2/NDF:21179194.6/50

Out: 35.022+/-0.005 χ^2/NDF:23412412.8/57

All: 33.335+/-0.004 χ^2/NDF: 44772585.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.7/32

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

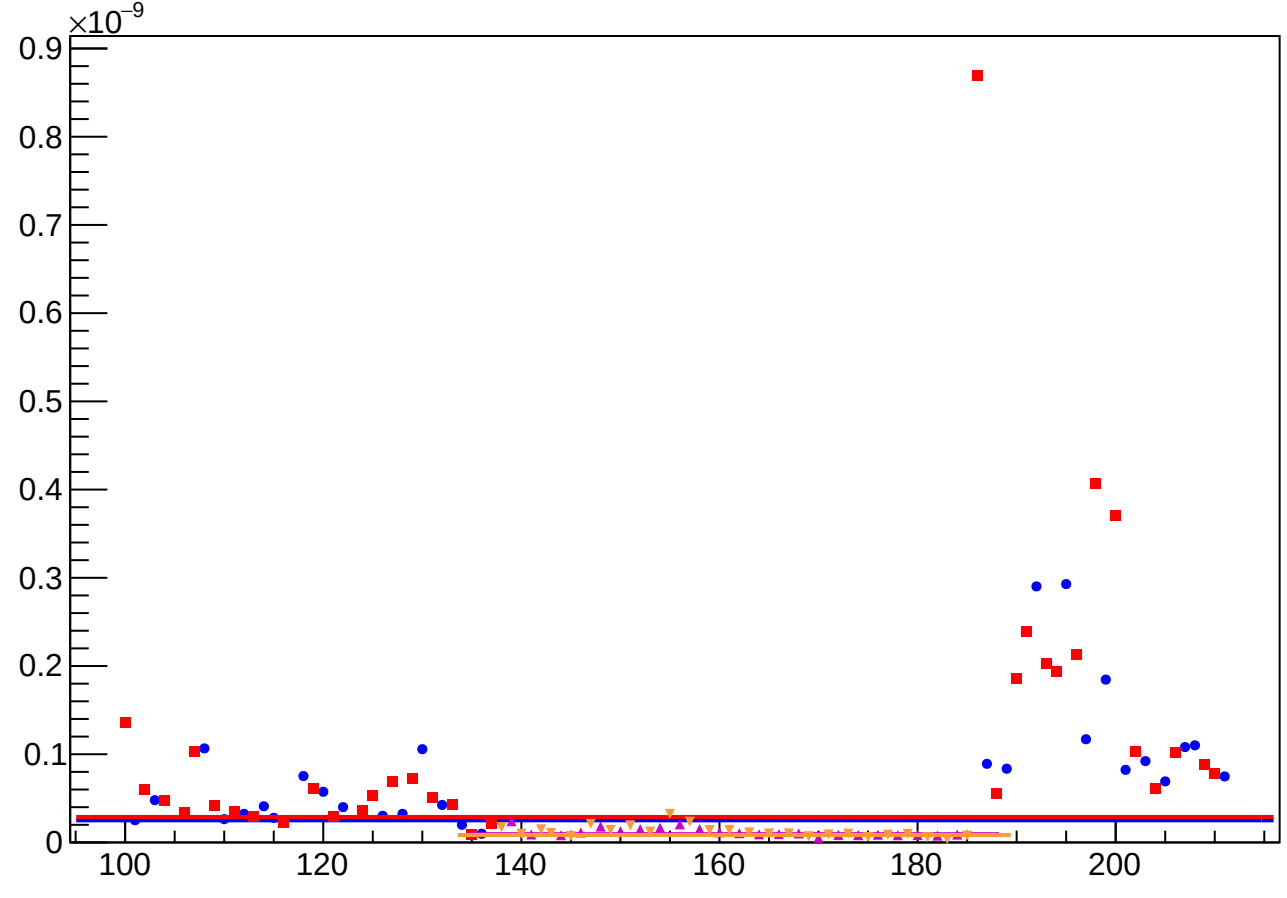
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 74.6/60

In: -0.000+/-0.000 χ^2/NDF:46.1/50

Out: 0.000+/-0.000 χ^2/NDF:61.2/57

All: 0.000+/-0.000 χ^2/NDF: 107.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 9654301.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10687162.7/32

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

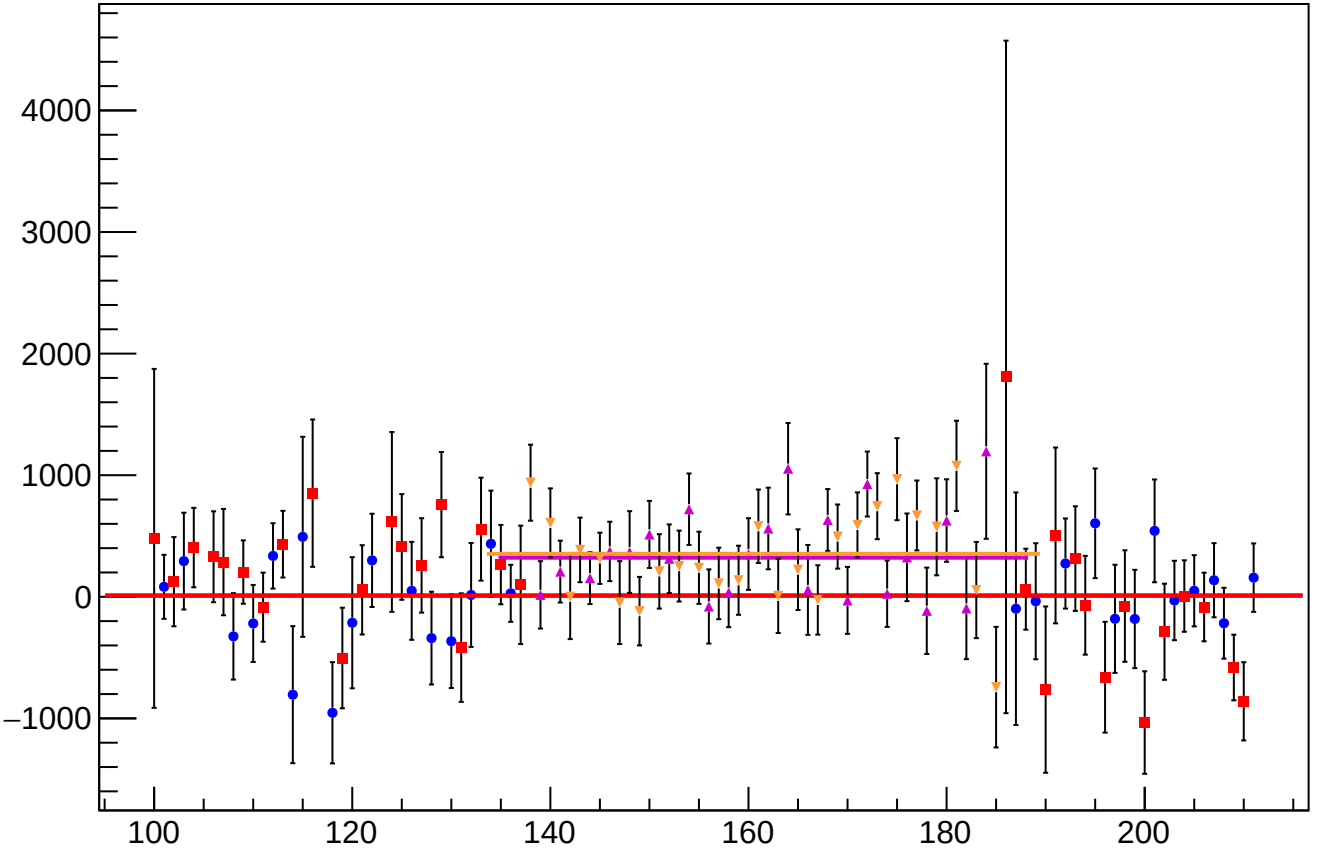
Right: 0.000+/-0.000 χ^2/NDF: 20438924.2/60

In: 0.000+/-0.000 χ^2/NDF:15157800.4/50

Out: 0.000+/-0.000 χ^2/NDF:19844148.5/57

All: 0.000+/-0.000 χ^2/NDF: 35125705.3/108

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 10.348+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 9.856+/-66.937 χ^2/NDF: 41.3/32

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

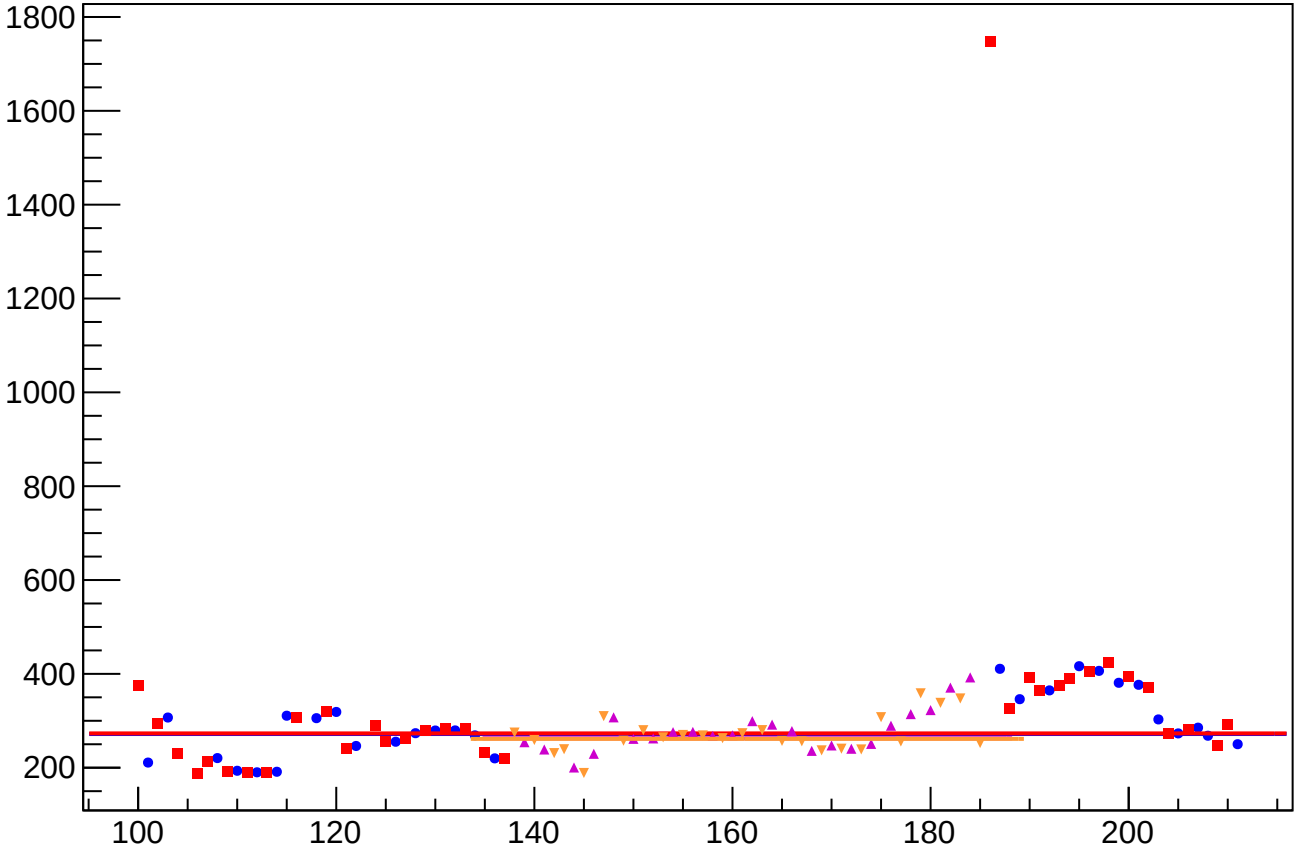
Right: 10.096+/-47.911 χ^2/NDF: 61.4/60

In: 181.349+/-46.046 χ^2/NDF:57.6/50

Out: 200.045+/-44.740 χ^2/NDF:88.3/57

All: 190.966+/-32.087 χ^2/NDF: 146.0/108

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 271.795+/-0.049 χ^2/NDF: 1564741.7/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.114+/-0.047 χ^2/NDF: 2548203.3/32

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

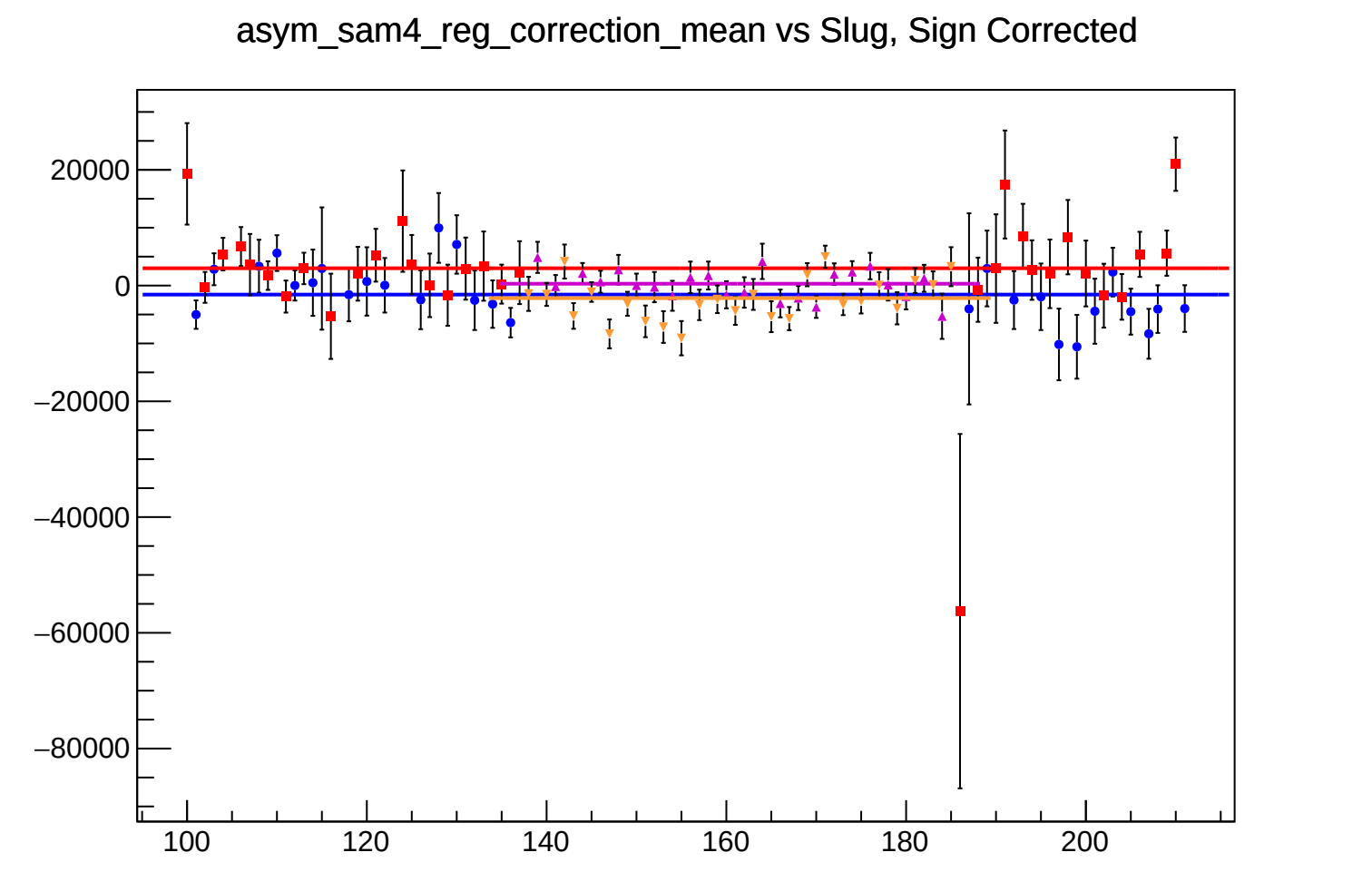
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.471+/-0.034 χ^2/NDF: 4113323.2/60

In: 266.751+/-0.033 χ^2/NDF:2255063.4/50

Out: 266.671+/-0.032 χ^2/NDF:3297154.4/57

All: 266.710+/-0.023 χ^2/NDF: 5552220.9/108



Right In: -1558.691+/-791.496 χ^2/NDF: 32.4/27

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2991.302+/-758.959 χ^2/NDF: 41.3/32

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

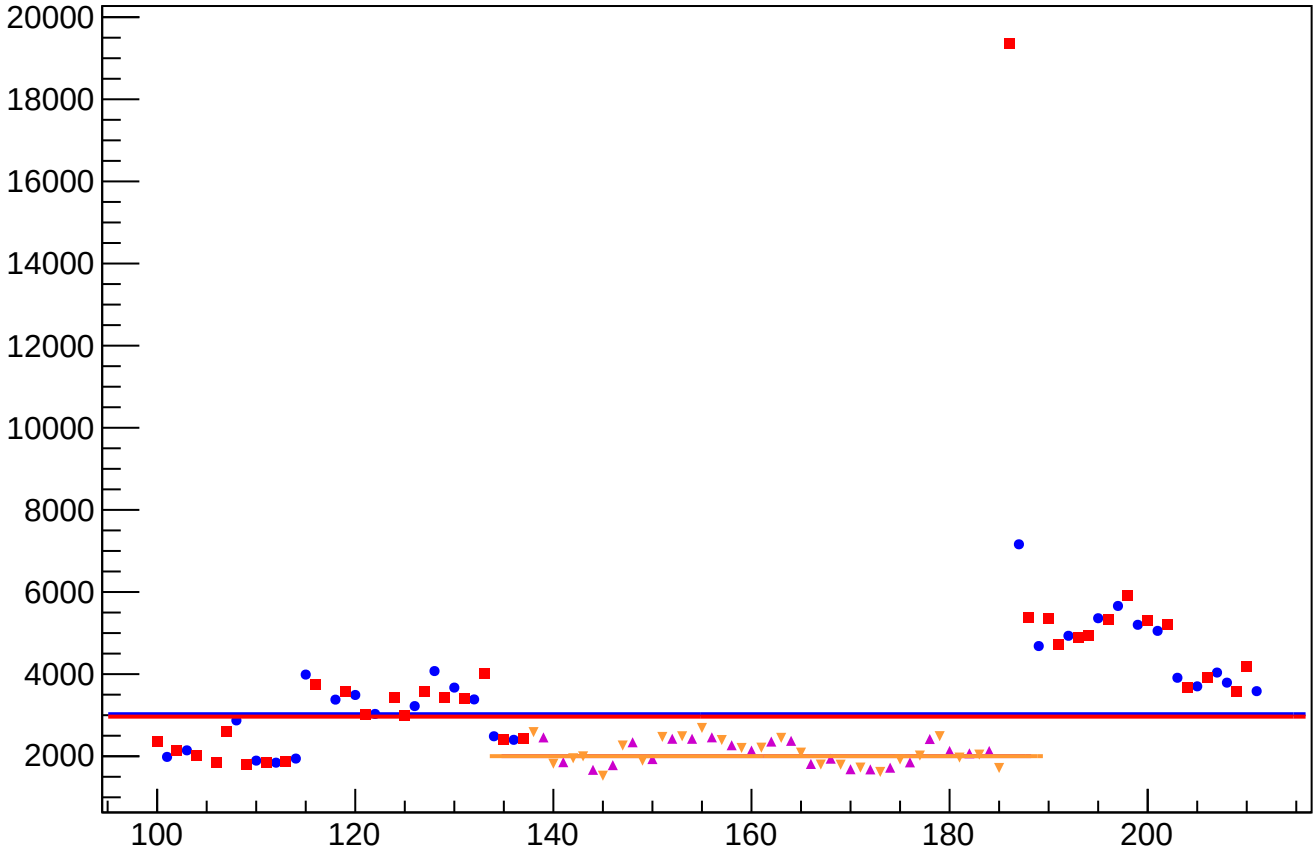
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 811.745+/-547.807 χ^2/NDF: 90.9/60

In: -180.659+/-406.709 χ^2/NDF:60.2/50

Out: -777.451+/-394.415 χ^2/NDF:130.6/57

All: -488.211+/-283.140 χ^2/NDF: 191.9/108



Right In: 3023.778+/-0.560 χ^2/NDF: 3794189.6/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2964.722+/-0.537 χ^2/NDF: 5478791.5/32

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

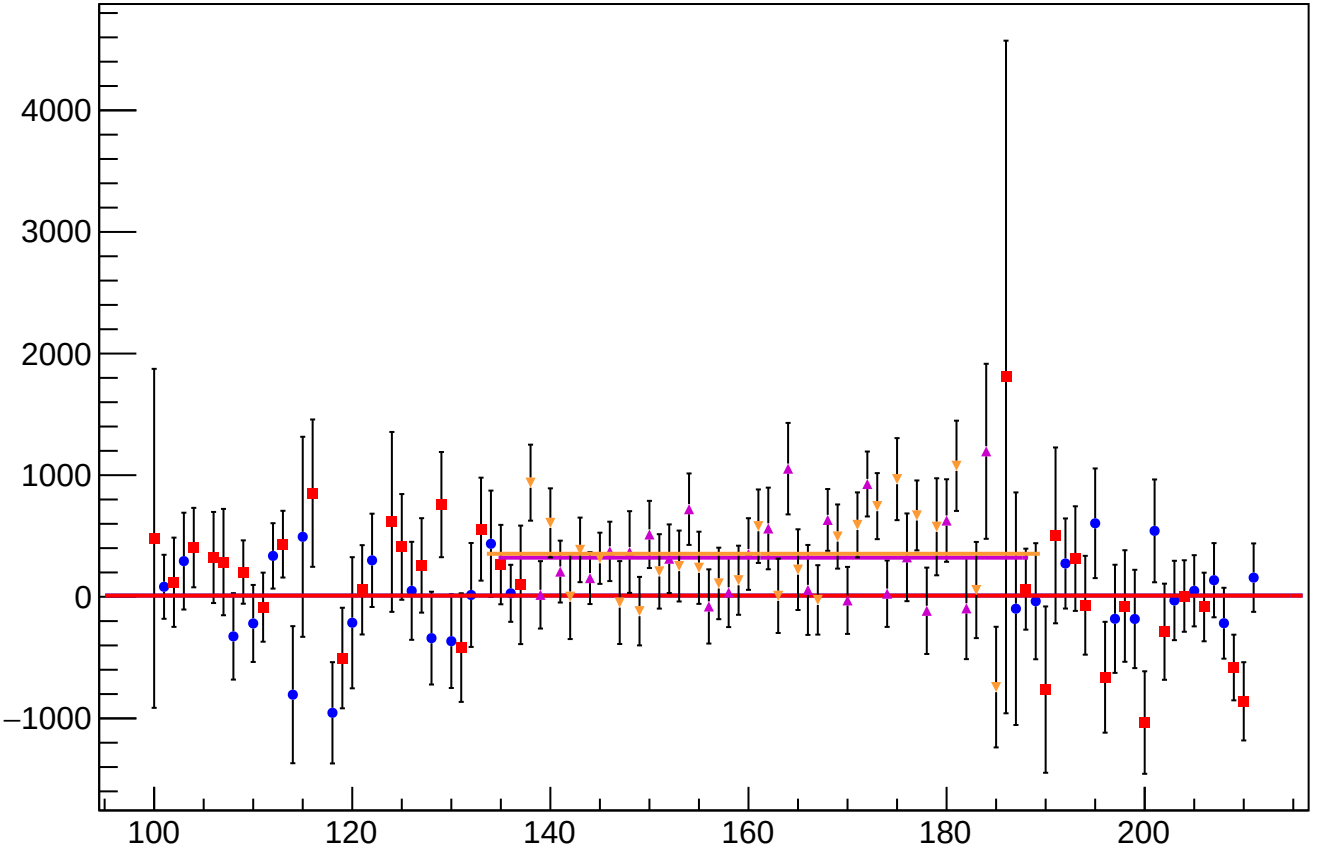
Right: 2993.011+/-0.387 χ^2/NDF: 9278781.8/60

In: 2273.442+/-0.288 χ^2/NDF:6941359.6/50

Out: 2262.166+/-0.279 χ^2/NDF:8719355.3/57

All: 2267.631+/-0.200 χ^2/NDF: 15661507.2/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 10.335+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 9.453+/-66.943 χ^2/NDF: 41.3/32

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

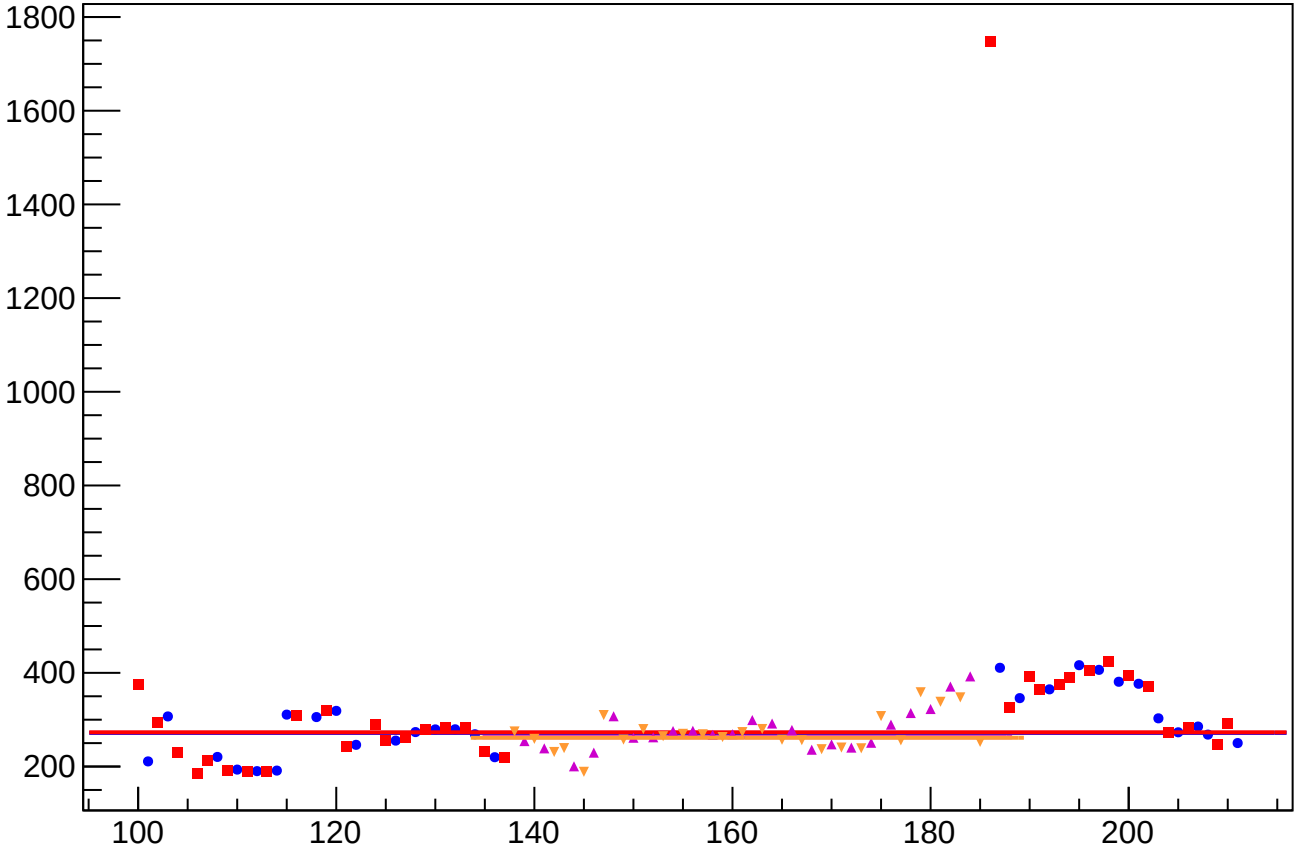
Right: 9.883+/-47.913 χ^2/NDF: 61.4/60

In: 181.346+/-46.046 χ^2/NDF:57.6/50

Out: 199.893+/-44.741 χ^2/NDF:88.2/57

All: 190.886+/-32.088 χ^2/NDF: 146.0/108

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 271.795+/-0.049 χ^2/NDF: 1564743.1/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF: 2554019.7/32

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

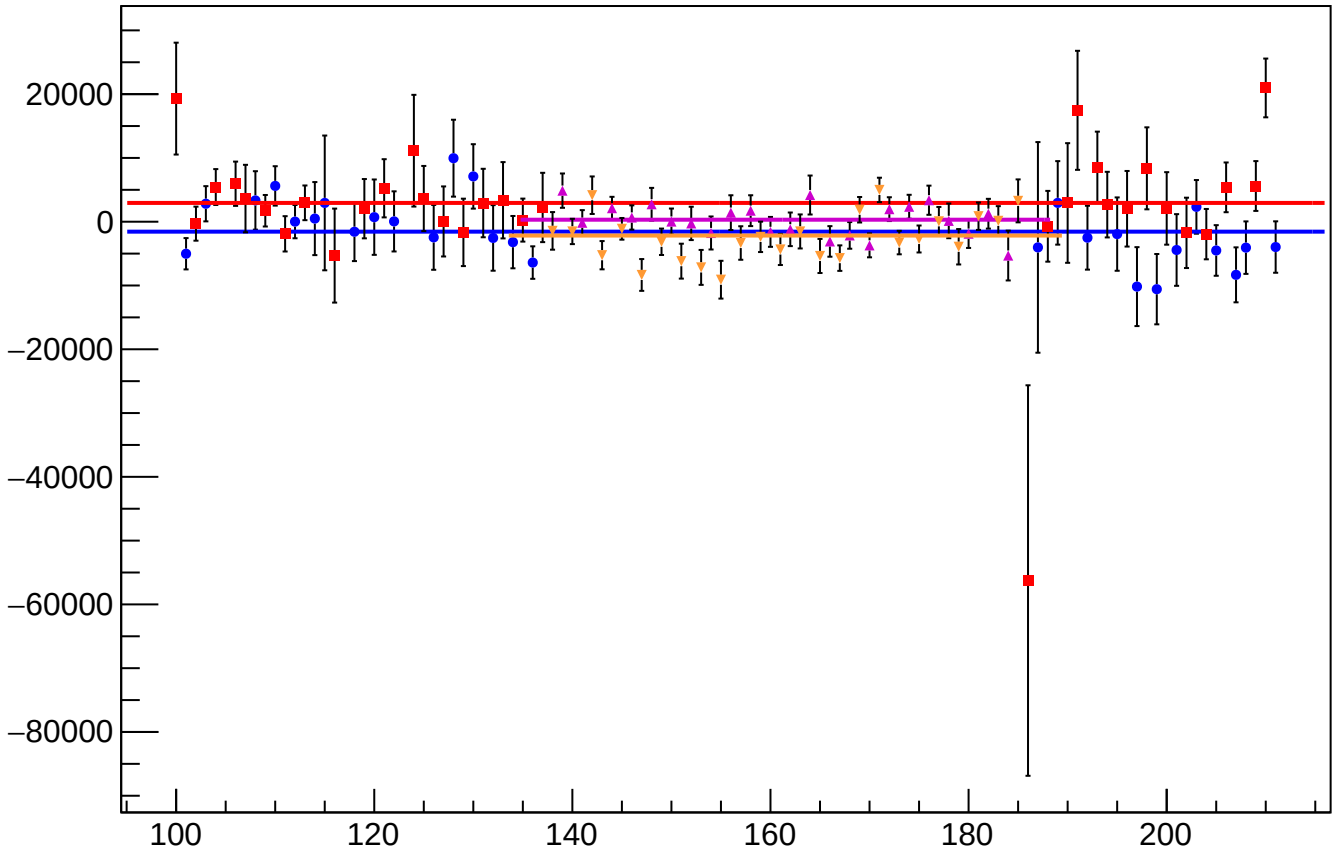
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.438+/-0.034 χ^2/NDF: 4119105.3/60

In: 266.751+/-0.033 χ^2/NDF:2255065.1/50

Out: 266.643+/-0.032 χ^2/NDF:3302602.6/57

All: 266.695+/-0.023 χ^2/NDF: 5557673.4/108



Right In: -1558.818+/-791.501 χ^2/NDF: 32.4/27

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2945.060+/-759.993 χ^2/NDF: 40.8/32

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

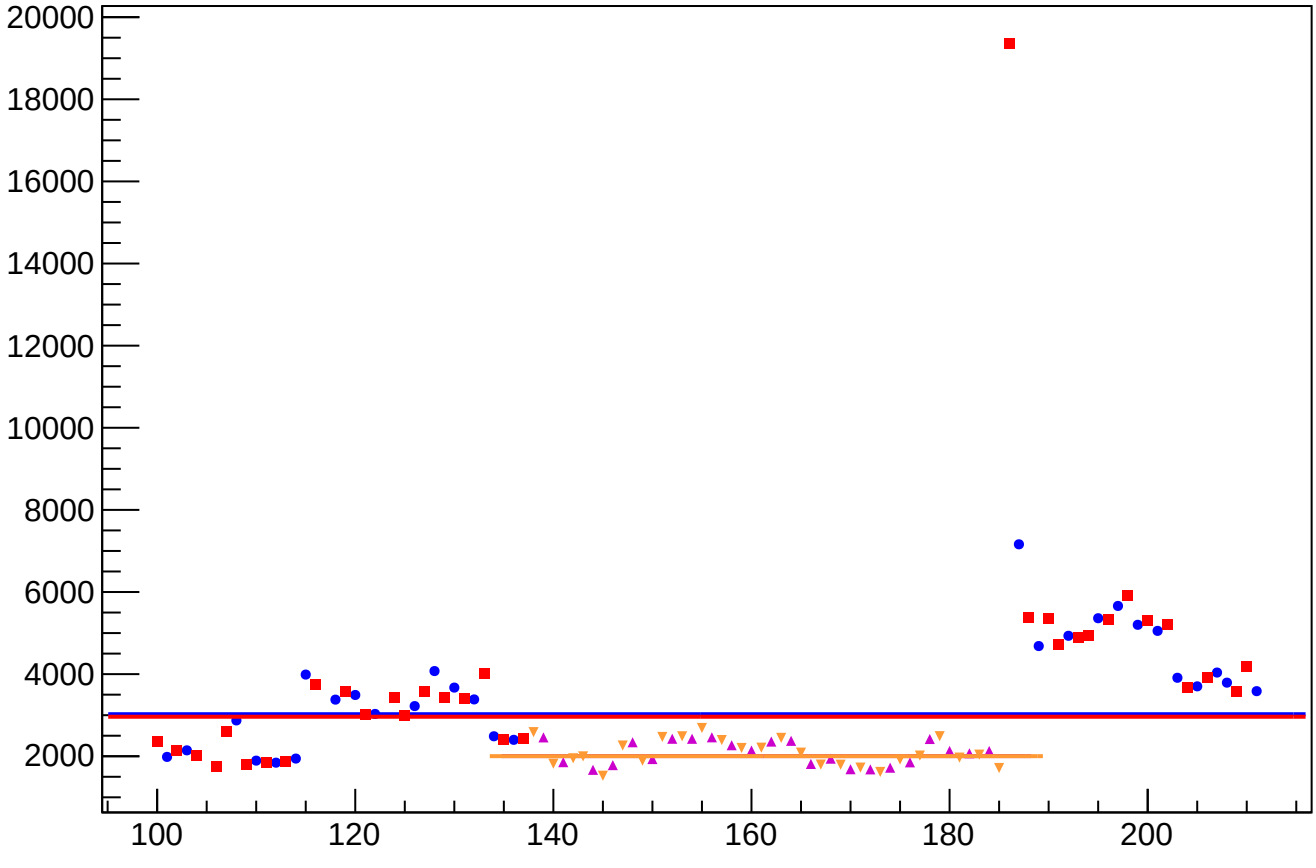
Right: 784.548+/-548.197 χ^2/NDF: 90.0/60

In: -180.684+/-406.710 χ^2/NDF:60.2/50

Out: -792.662+/-394.560 χ^2/NDF:129.4/57

All: -495.950+/-283.194 χ^2/NDF: 190.8/108

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 3023.802+/-0.560 χ^2/NDF: 3794085.1/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2962.450+/-0.537 χ^2/NDF: 5510094.7/32

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

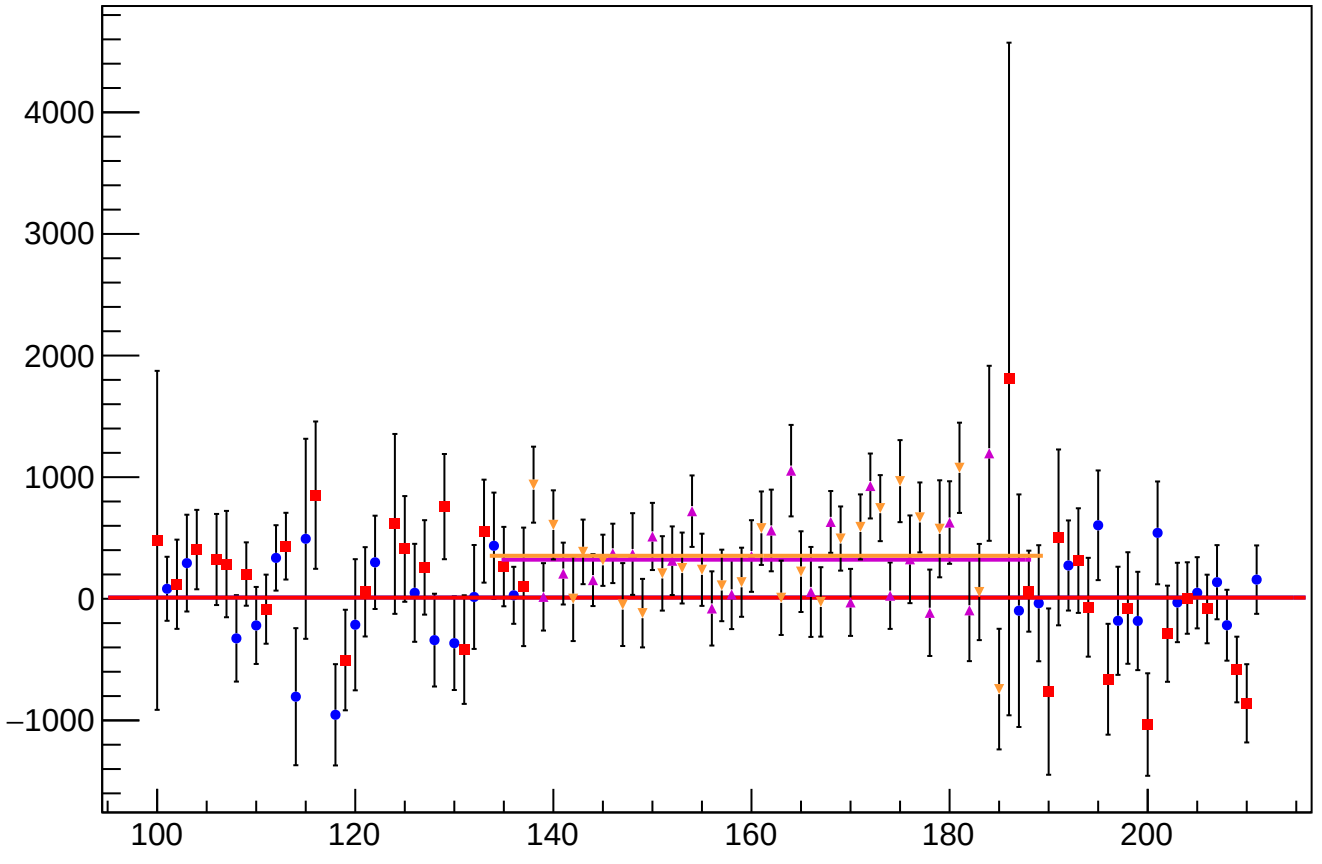
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2991.880+/-0.388 χ^2/NDF: 9310432.1/60

In: 2273.447+/-0.288 χ^2/NDF:6941346.7/50

Out: 2261.037+/-0.279 χ^2/NDF:8734946.3/57

All: 2267.054+/-0.200 χ^2/NDF: 15677252.2/



Right In: 10.335+/-68.607 χ^2/NDF: 20.1/27

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 9.453+/-66.943 χ^2/NDF: 41.3/32

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

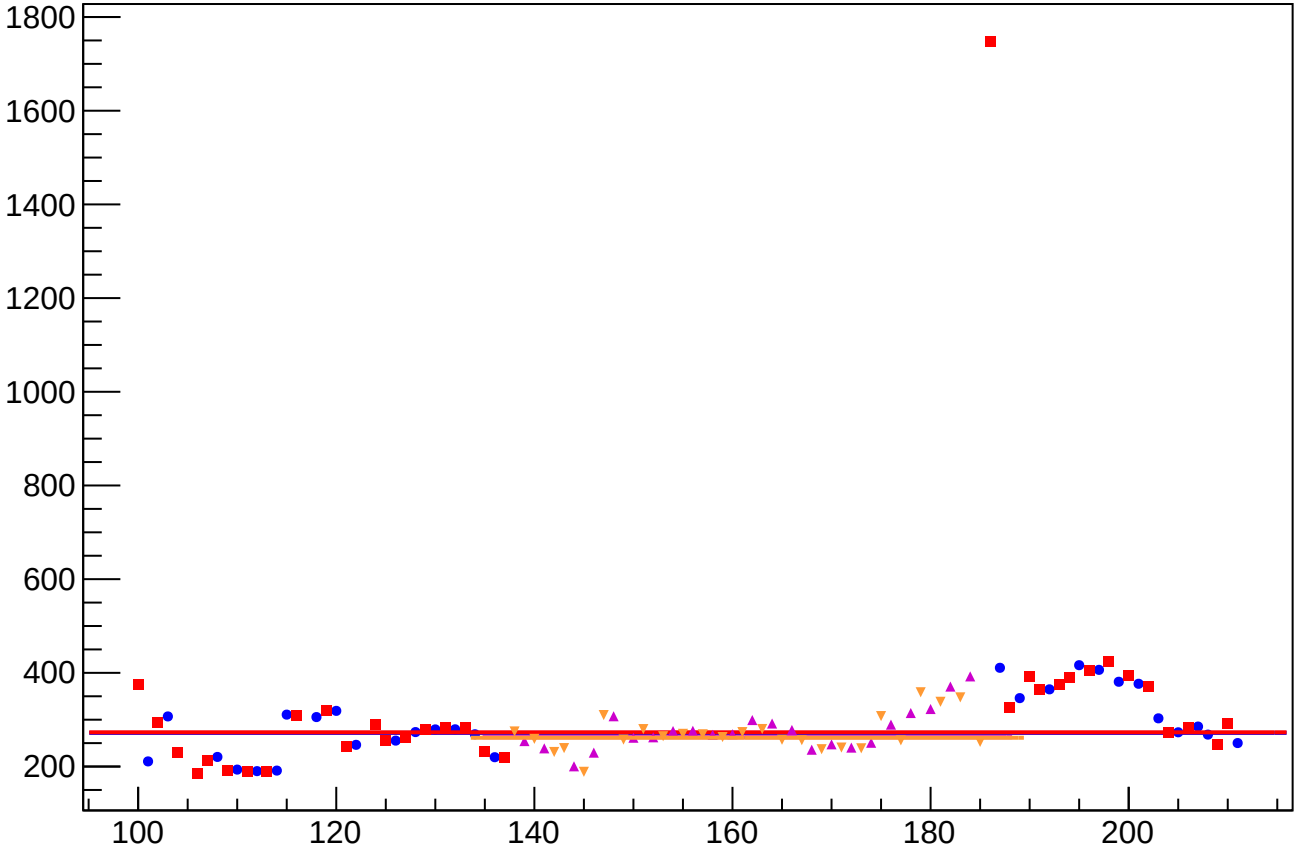
Right: 9.883+/-47.913 χ^2/NDF: 61.4/60

In: 181.346+/-46.046 χ^2/NDF:57.6/50

Out: 199.893+/-44.741 χ^2/NDF:88.2/57

All: 190.886+/-32.088 χ^2/NDF: 146.0/108

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 271.795+/-0.049 χ^2/NDF: 1564743.1/27

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.050+/-0.047 χ^2/NDF: 2554019.7/32

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

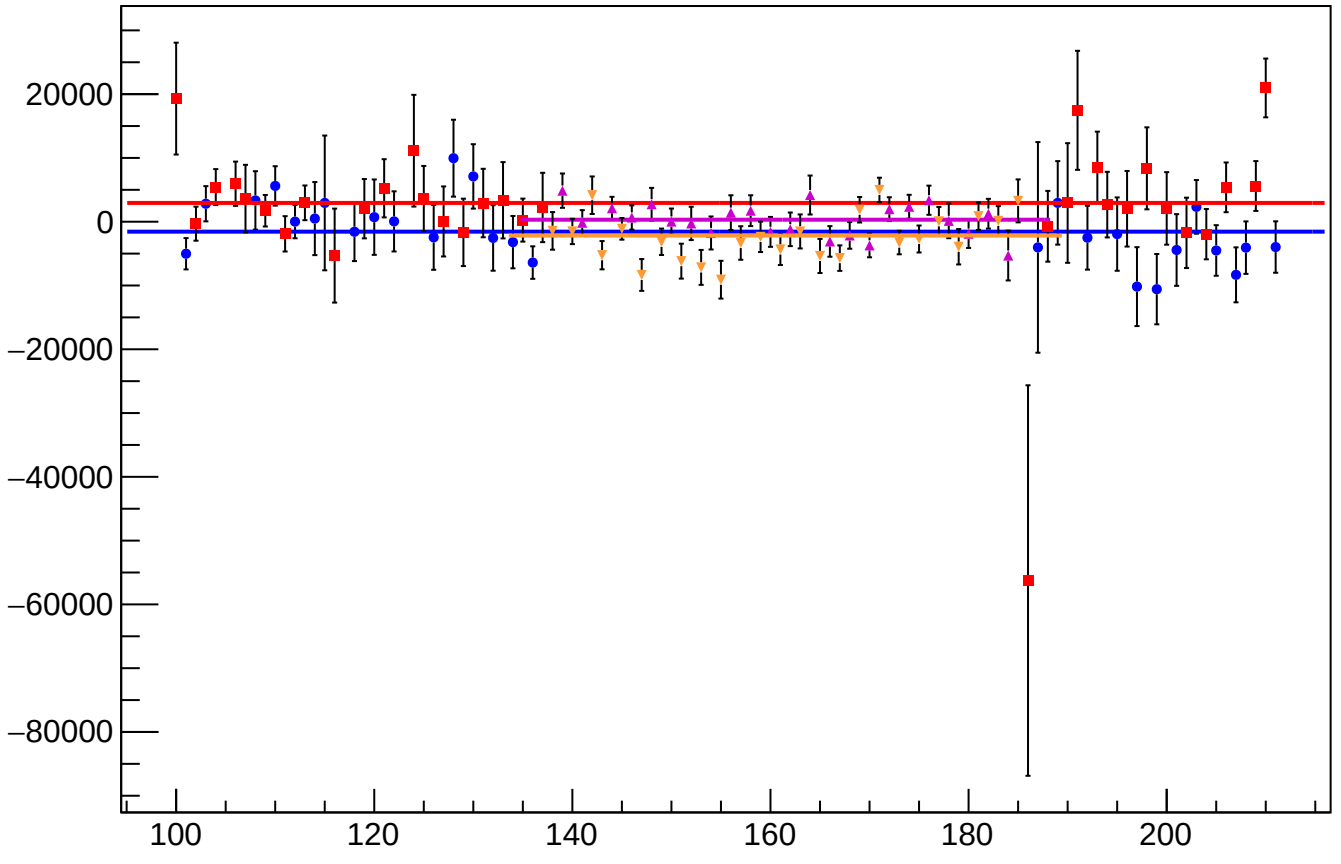
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.438+/-0.034 χ^2/NDF: 4119105.3/60

In: 266.751+/-0.033 χ^2/NDF:2255065.1/50

Out: 266.643+/-0.032 χ^2/NDF:3302602.6/57

All: 266.695+/-0.023 χ^2/NDF: 5557673.4/108



Right In: -1558.818+/-791.501 χ^2/NDF: 32.4/27

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2945.060+/-759.993 χ^2/NDF: 40.8/32

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

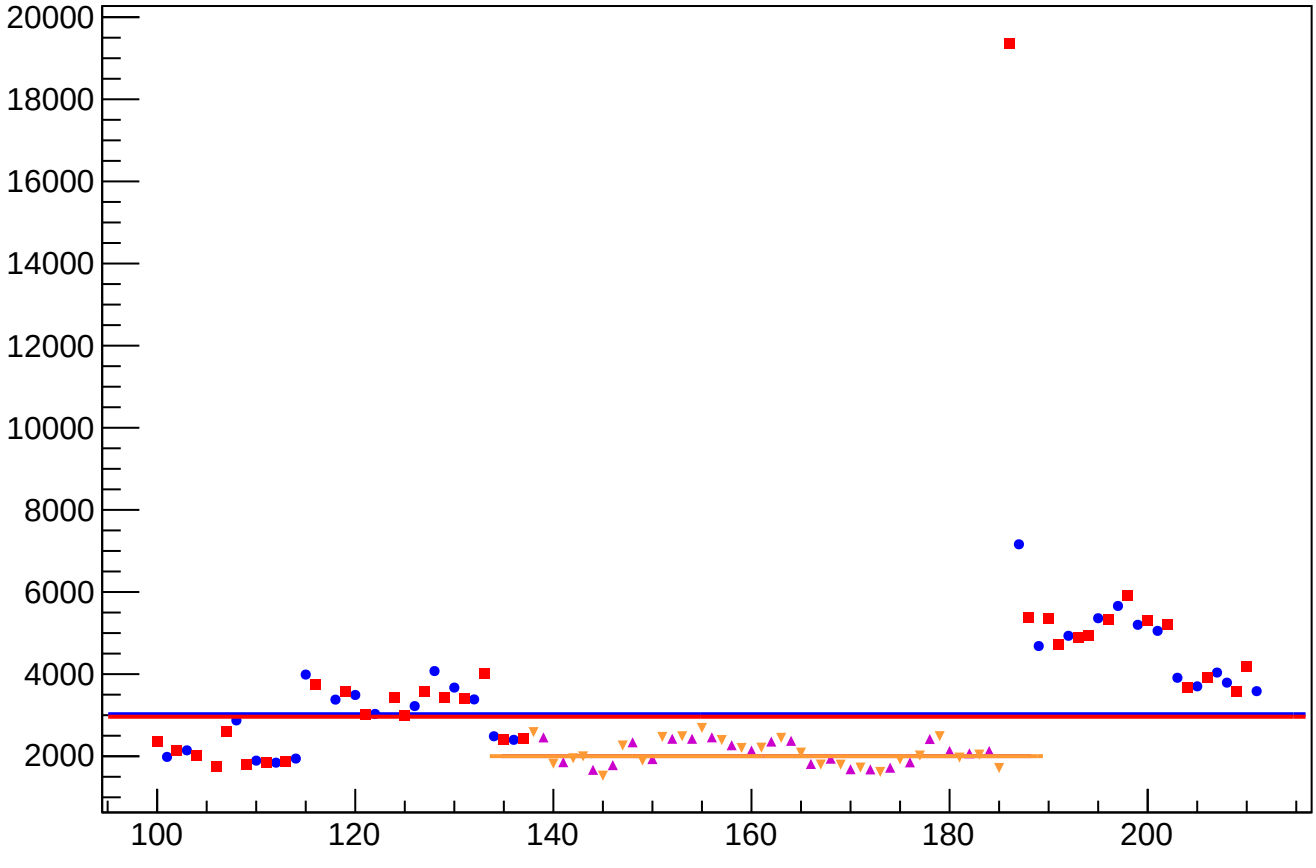
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 784.548+/-548.197 χ^2/NDF: 90.0/60

In: -180.684+/-406.710 χ^2/NDF:60.2/50

Out: -792.662+/-394.560 χ^2/NDF:129.4/57

All: -495.950+/-283.194 χ^2/NDF: 190.8/108



Right In: 3023.802+/-0.560 χ^2/NDF: 3794085.1/27

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2962.450+/-0.537 χ^2/NDF: 5510094.7/32

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

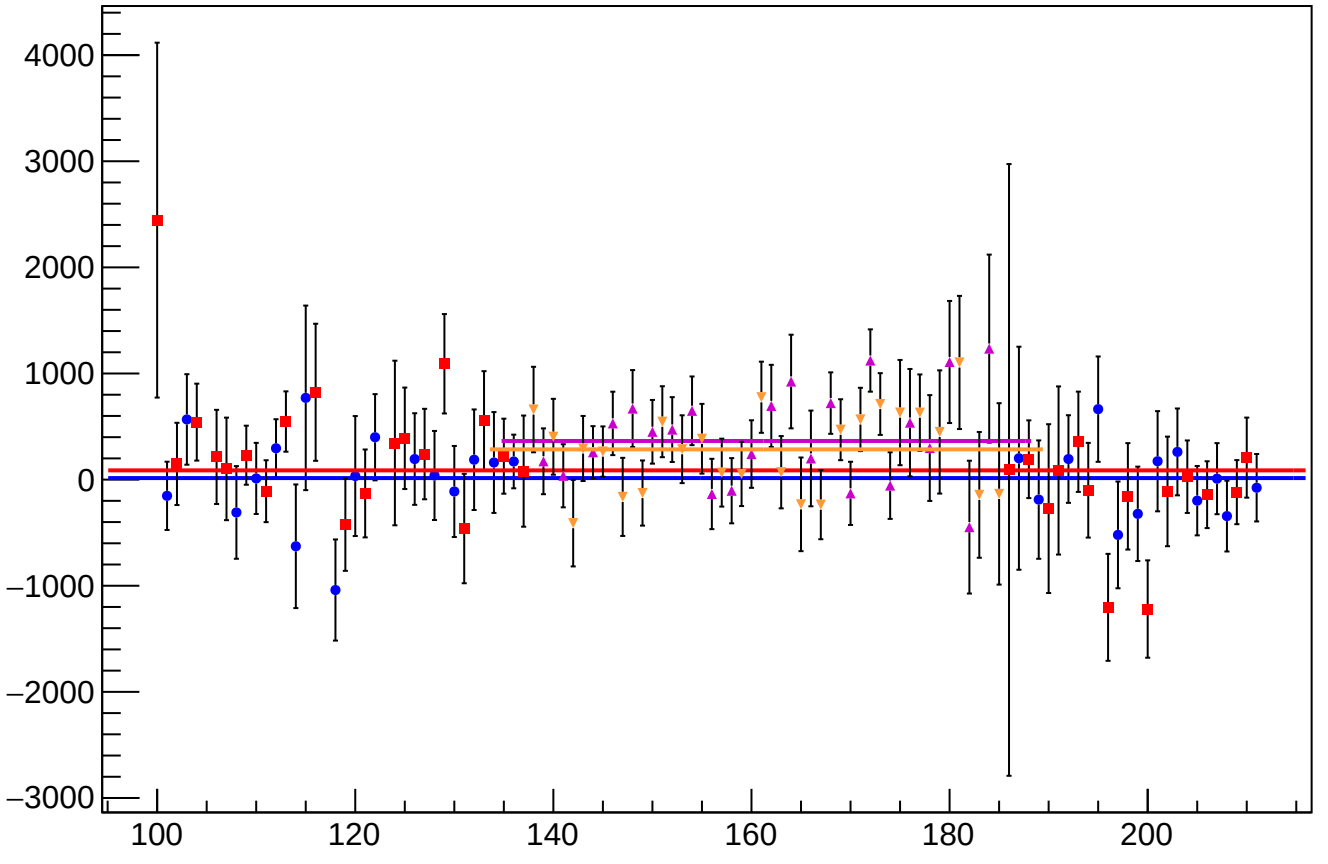
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2991.880+/-0.388 χ^2/NDF: 9310432.1/60

In: 2273.447+/-0.288 χ^2/NDF:6941346.7/50

Out: 2261.037+/-0.279 χ^2/NDF:8734946.3/57

All: 2267.054+/-0.200 χ^2/NDF: 15677252.2/



Right In: 14.528+/-76.195 χ^2/NDF: 18.1/27

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 87.111+/-73.725 χ^2/NDF: 34.4/32

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

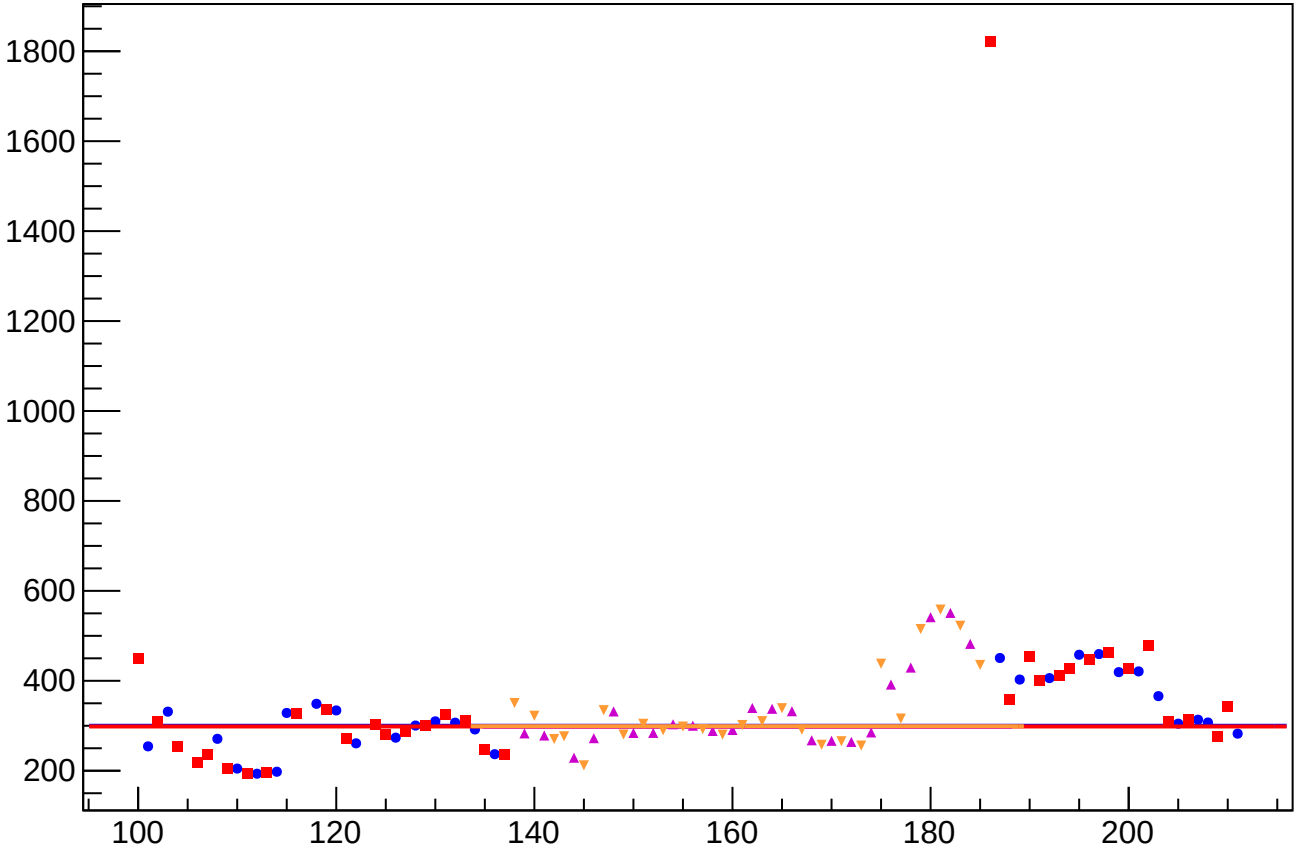
Right: 52.015+/-52.983 χ^2/NDF: 53.0/60

In: 199.929+/-52.222 χ^2/NDF:57.5/50

Out: 191.085+/-50.777 χ^2/NDF:61.1/57

All: 195.383+/-36.405 χ^2/NDF: 118.5/108

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 300.025+/-0.054 χ^2/NDF: 1752365.8/27

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.445+/-0.052 χ^2/NDF: 2844982.8/32

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

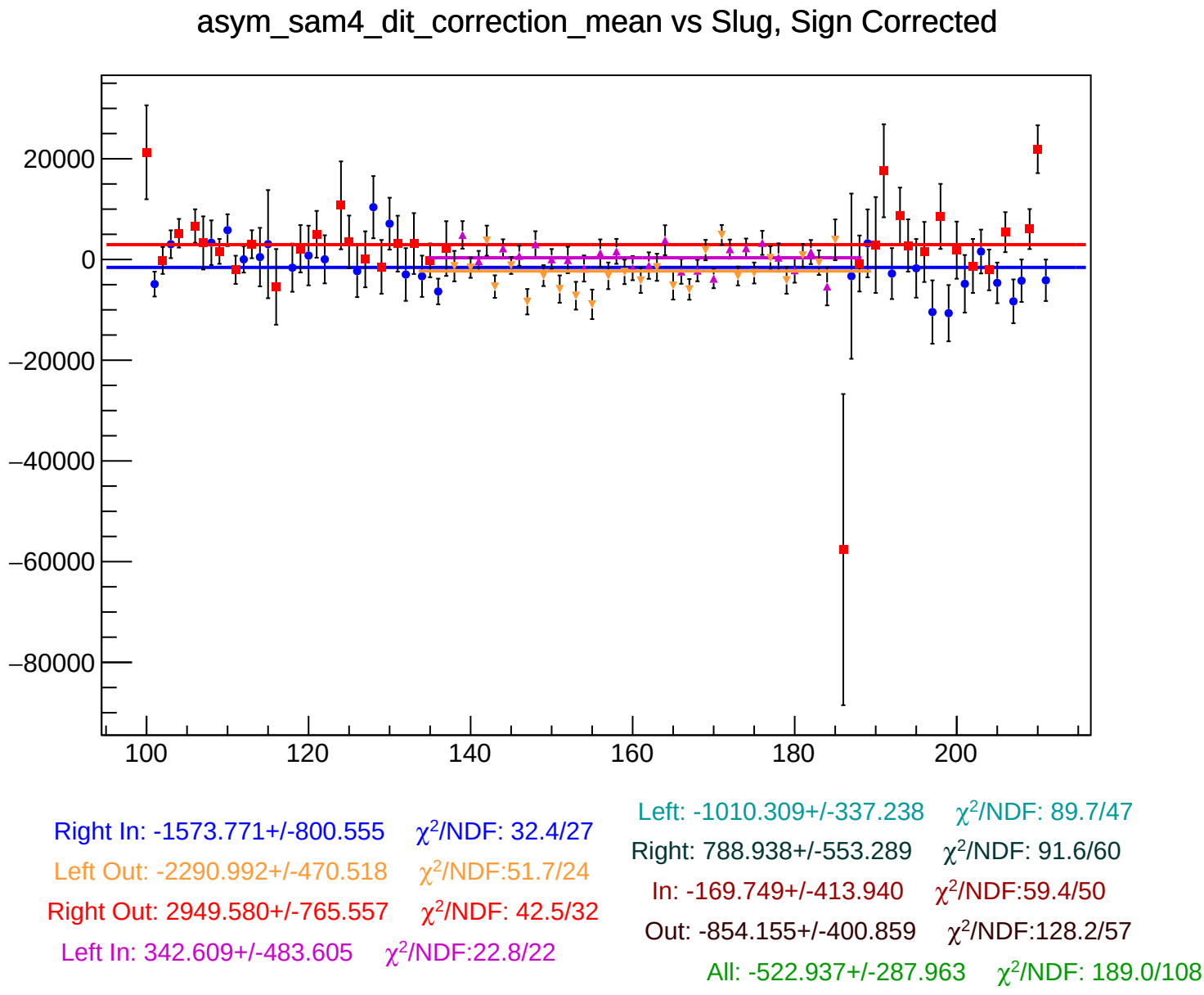
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

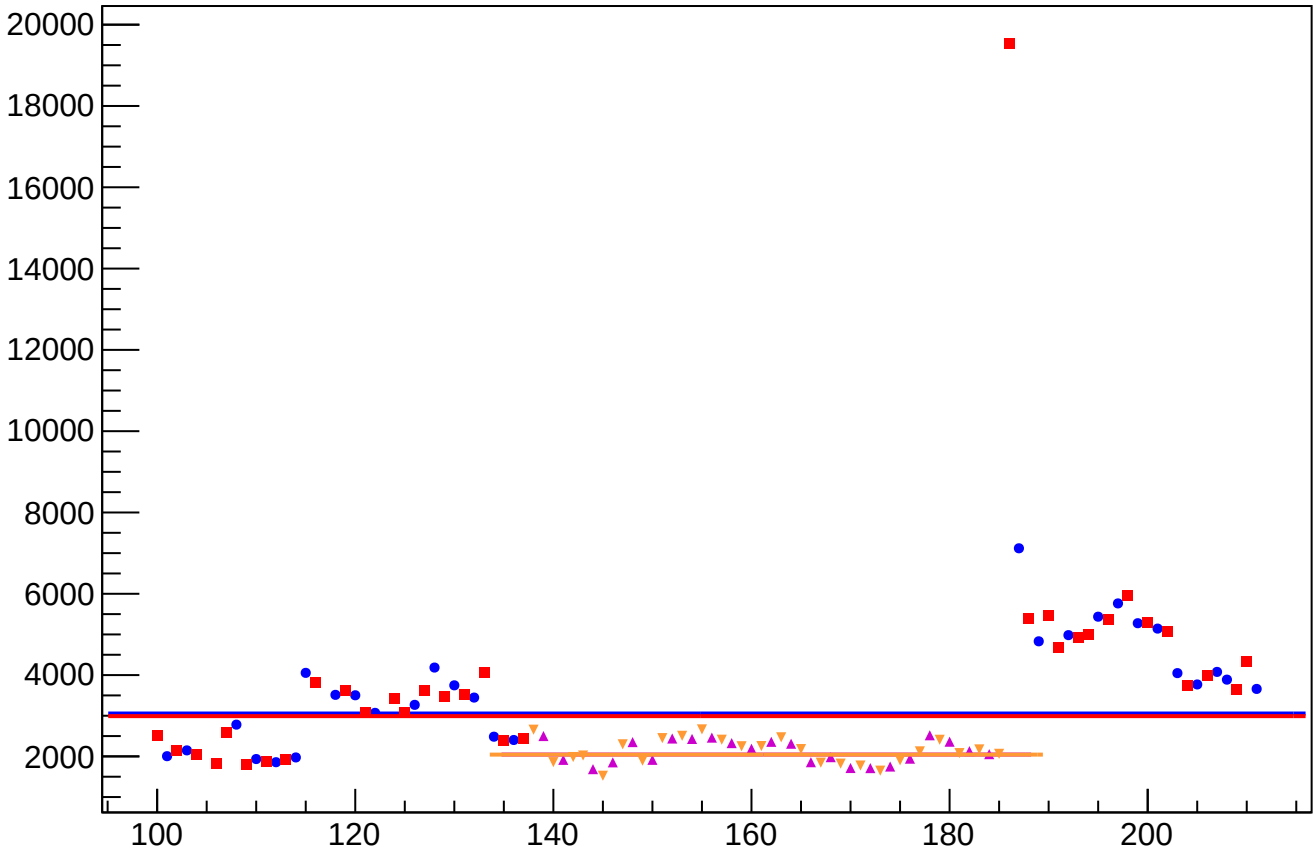
Right: 299.209+/-0.037 χ^2/NDF: 4597793.1/60

In: 298.890+/-0.037 χ^2/NDF:3072264.4/50

Out: 298.704+/-0.036 χ^2/NDF:4458107.2/57

All: 298.795+/-0.026 χ^2/NDF: 7530384.7/108


asym_sam4_dit_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1573.771+/-800.555 χ²/NDF: 32.4/27
Left Out: -2290.992+/-470.518 χ²/NDF:51.7/24
Right Out: 2949.580+/-765.557 χ²/NDF: 42.5/32
Left In: 342.609+/-483.605 χ²/NDF:22.8/22
Left: -1010.309+/-337.238 χ²/NDF: 89.7/47
Right: 788.938+/-553.289 χ²/NDF: 91.6/60
In: -169.749+/-413.940 χ²/NDF:59.4/50
Out: -854.155+/-400.859 χ²/NDF:128.2/57
All: -522.937+/-287.963 χ²/NDF: 189.0/108



Right In: 3054.655+/-0.566 χ^2/NDF: 3891572.8/27

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2990.216+/-0.541 χ^2/NDF: 5496740.4/32

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

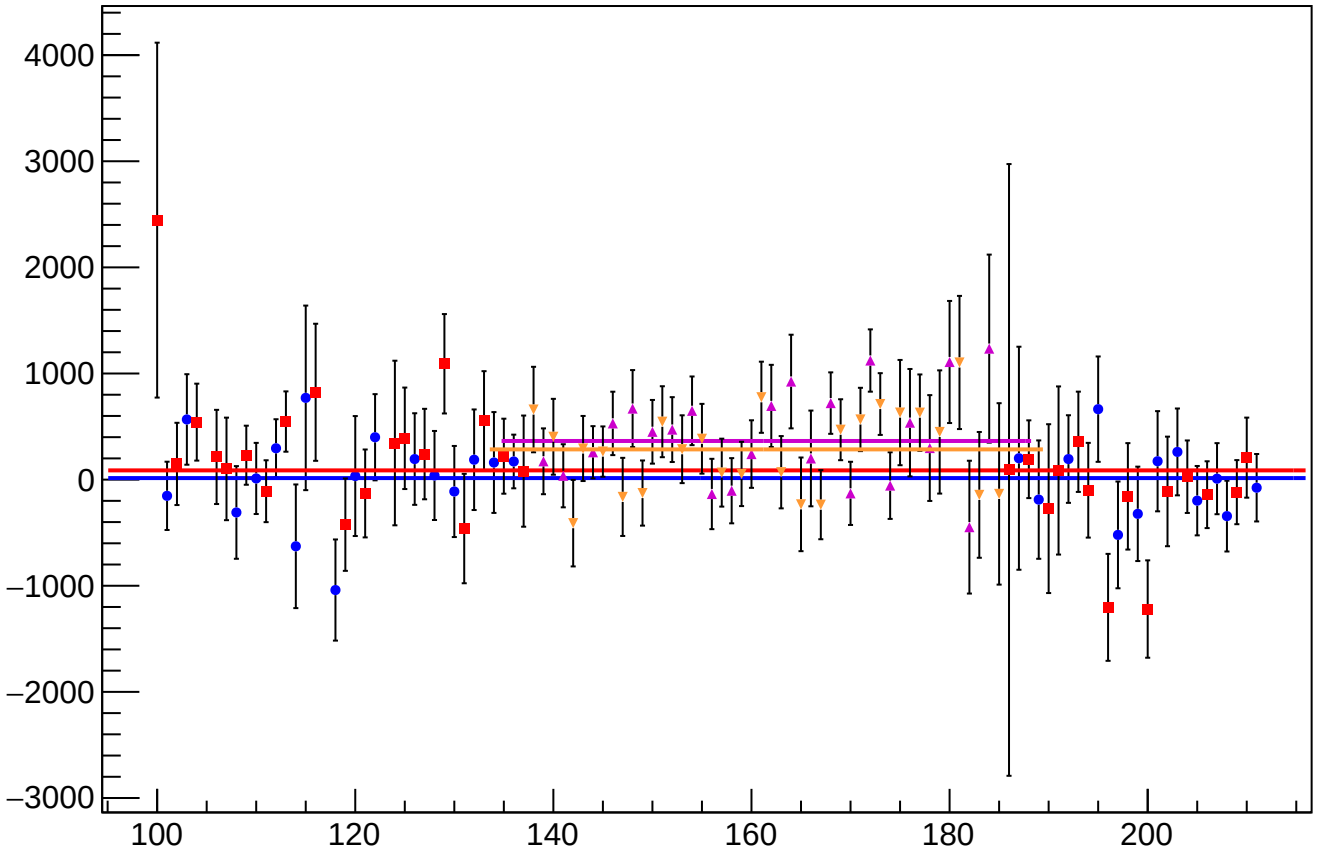
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 3020.996+/-0.391 χ^2/NDF: 9395081.6/60

In: 2315.069+/-0.293 χ^2/NDF:6911668.6/50

Out: 2303.245+/-0.283 χ^2/NDF:8568948.6/57

All: 2308.967+/-0.204 χ^2/NDF: 15481459.4/



Right In: 14.533+/-76.195 χ^2/NDF: 18.1/27

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 87.108+/-73.725 χ^2/NDF: 34.4/32

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

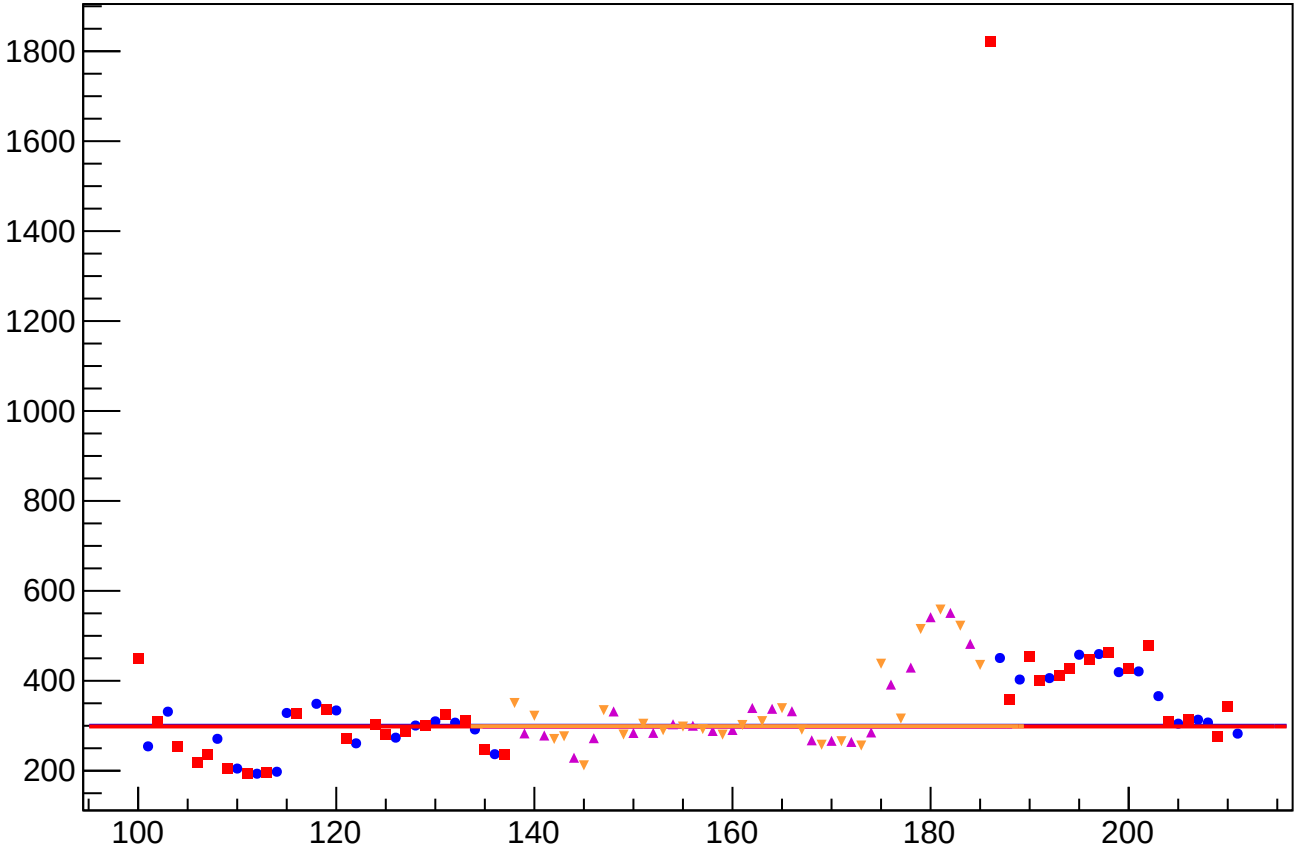
Right: 52.016+/-52.983 χ^2/NDF: 53.0/60

In: 199.932+/-52.222 χ^2/NDF:57.5/50

Out: 191.086+/-50.777 χ^2/NDF:61.1/57

All: 195.385+/-36.405 χ^2/NDF: 118.5/108

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 300.025+/-0.054 χ^2/NDF: 1752352.2/27

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.445+/-0.052 χ^2/NDF: 2844987.4/32

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

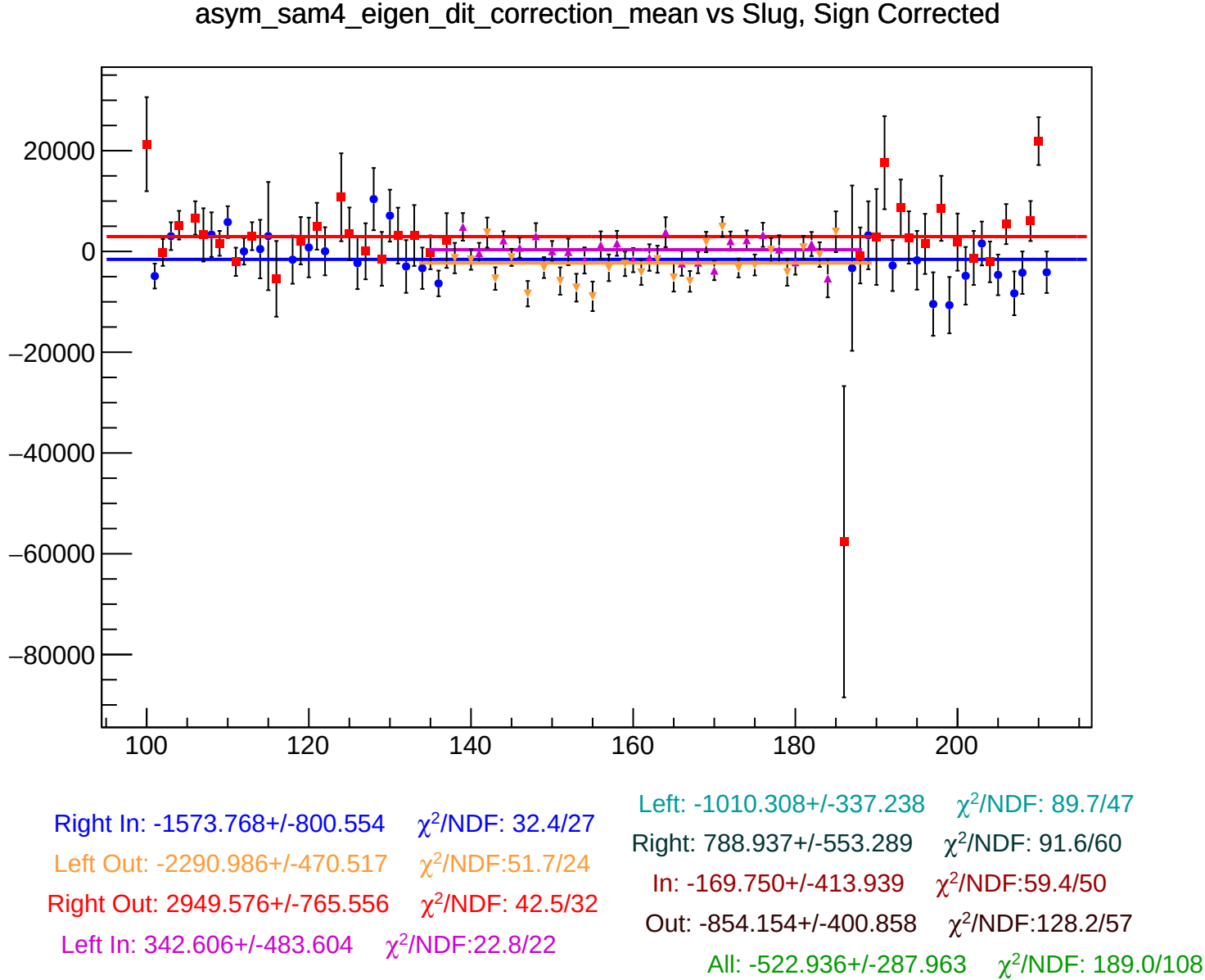
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 299.209+/-0.037 χ^2/NDF: 4597784.1/60

In: 298.891+/-0.037 χ^2/NDF:3072232.3/50

Out: 298.704+/-0.036 χ^2/NDF:4458109.0/57

All: 298.795+/-0.026 χ^2/NDF: 7530354.5/108


asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
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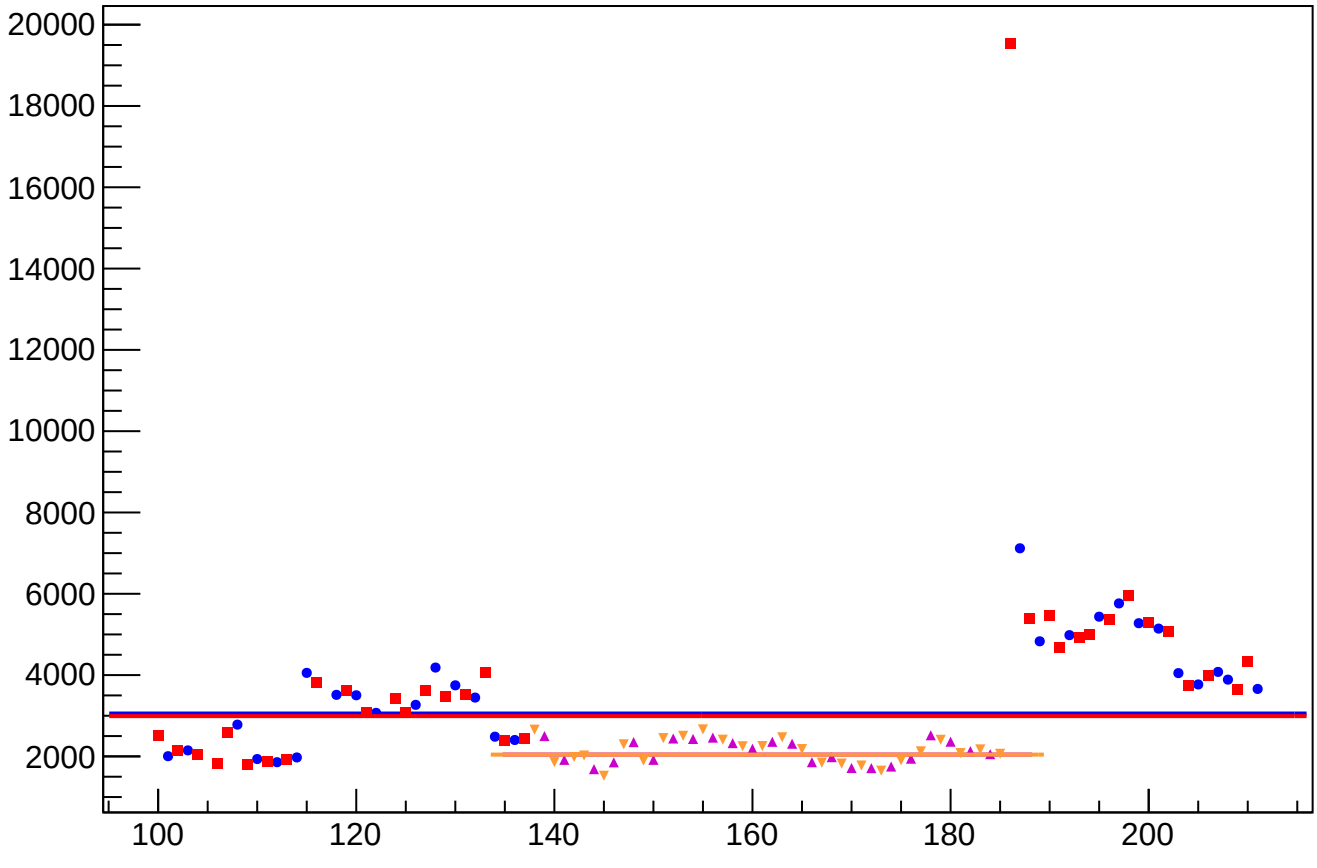
140
160
180
200
Right In: -1573.768+/-800.554 χ²/NDF: 32.4/27
Left Out: -2290.986+/-470.517 χ²/NDF:51.7/24
Right Out: 2949.576+/-765.556 χ²/NDF: 42.5/32
Left In: 342.606+/-483.604 χ²/NDF:22.8/22
Left: -1010.308+/-337.238 χ²/NDF: 89.7/47
Right: 788.937+/-553.289 χ²/NDF: 91.6/60
In: -169.750+/-413.939 χ²/NDF:59.4/50
Out: -854.154+/-400.858 χ²/NDF:128.2/57
All: -522.936+/-287.963 χ²/NDF: 189.0/108



Right In: 3054.653+/-0.566 χ^2/NDF: 3891572.3/27

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2990.214+/-0.541 χ^2/NDF: 5496736.9/32

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

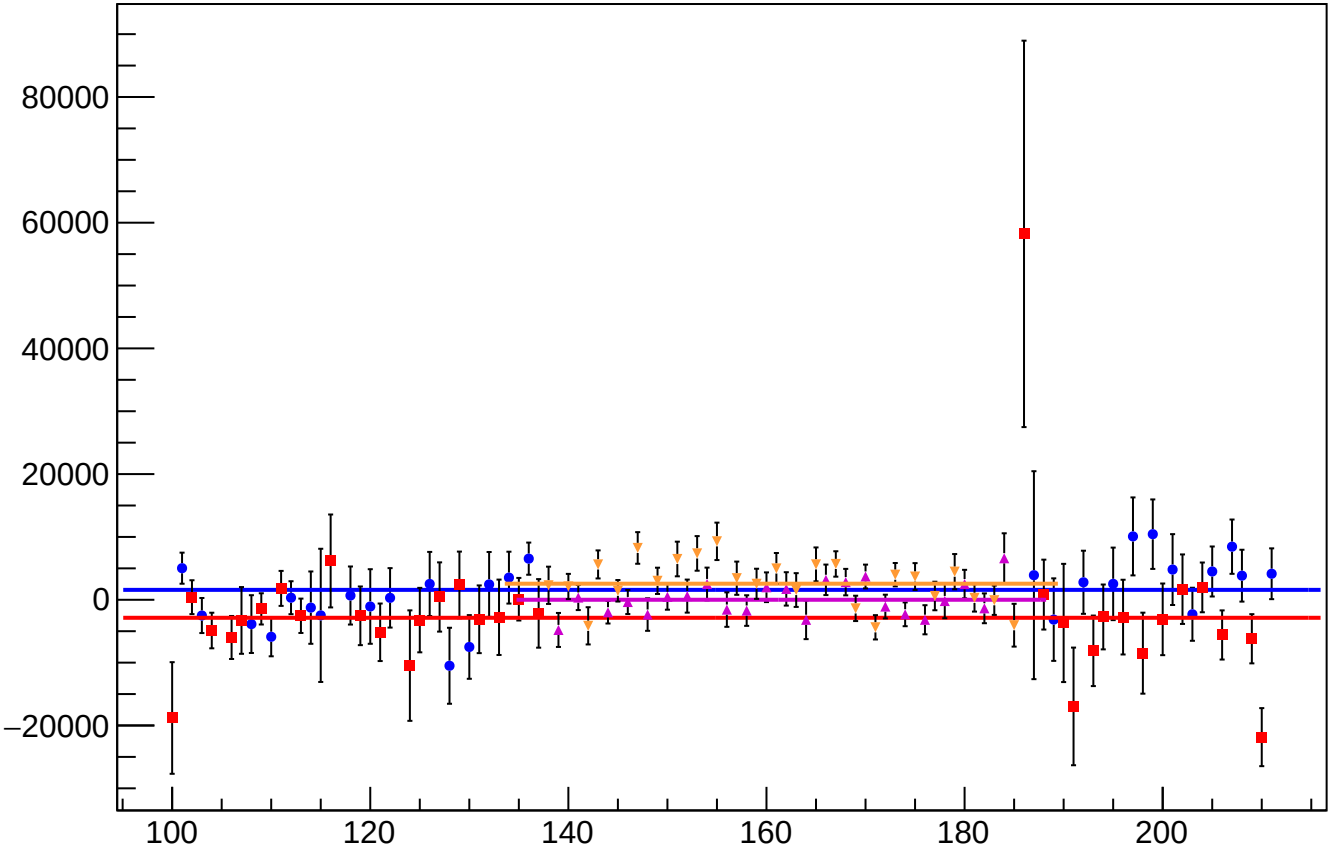
Right: 3020.994+/-0.391 χ^2/NDF: 9395077.7/60

In: 2315.066+/-0.293 χ^2/NDF:6911674.9/50

Out: 2303.242+/-0.283 χ^2/NDF:8568956.4/57

All: 2308.964+/-0.204 χ^2/NDF: 15481473.4/

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1577.881+/-795.243 χ^2/NDF: 33.5/27

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2864.560+/-762.917 χ^2/NDF: 42.5/32

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

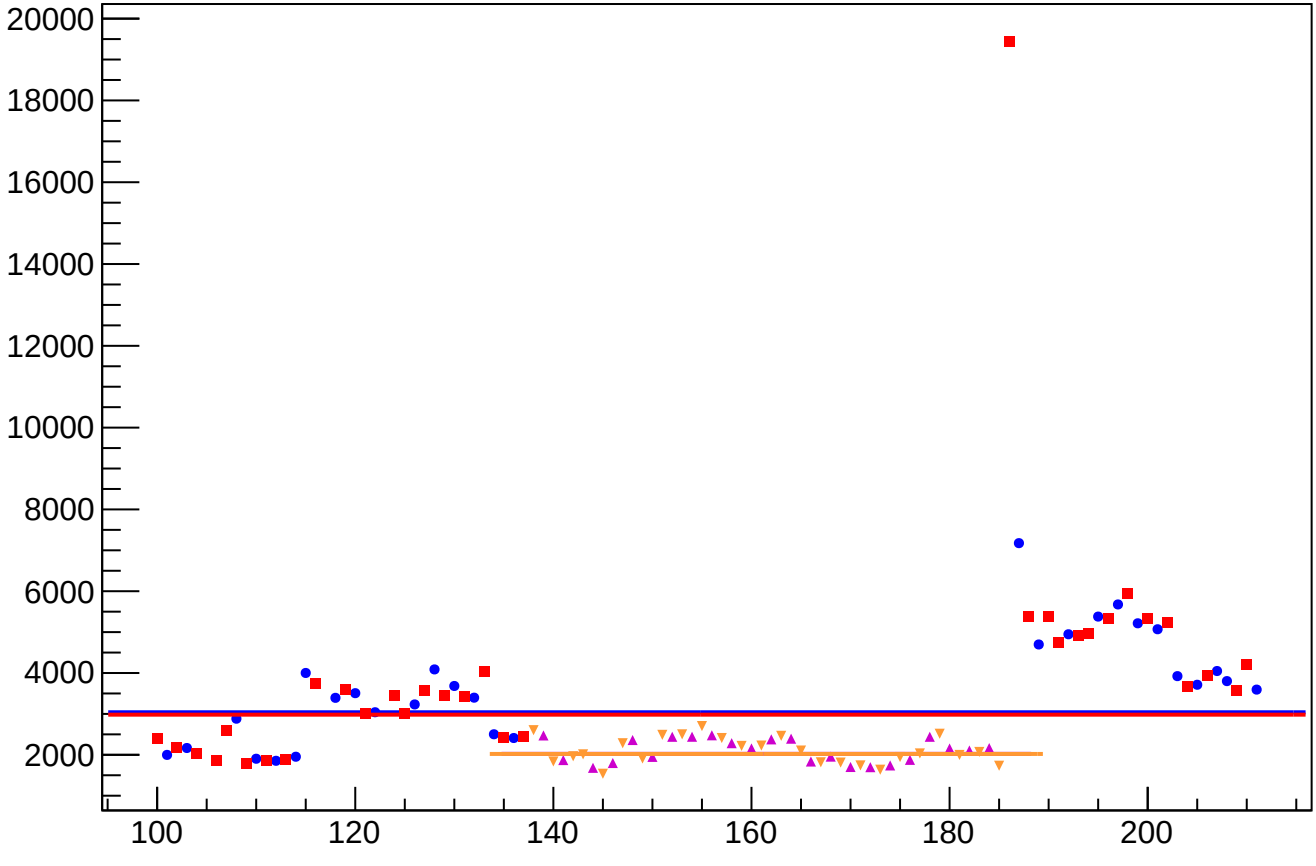
Right: -735.465+/-550.537 χ^2/NDF: 92.2/60

In: 421.985+/-410.011 χ^2/NDF:61.0/50

Out: 1085.617+/-397.647 χ^2/NDF:131.9/57

All: 763.957+/-285.450 χ^2/NDF: 194.3/108

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3039.768+/-0.562 χ^2/NDF: 3762989.0/27

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2981.759+/-0.539 χ^2/NDF: 5438743.5/32

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

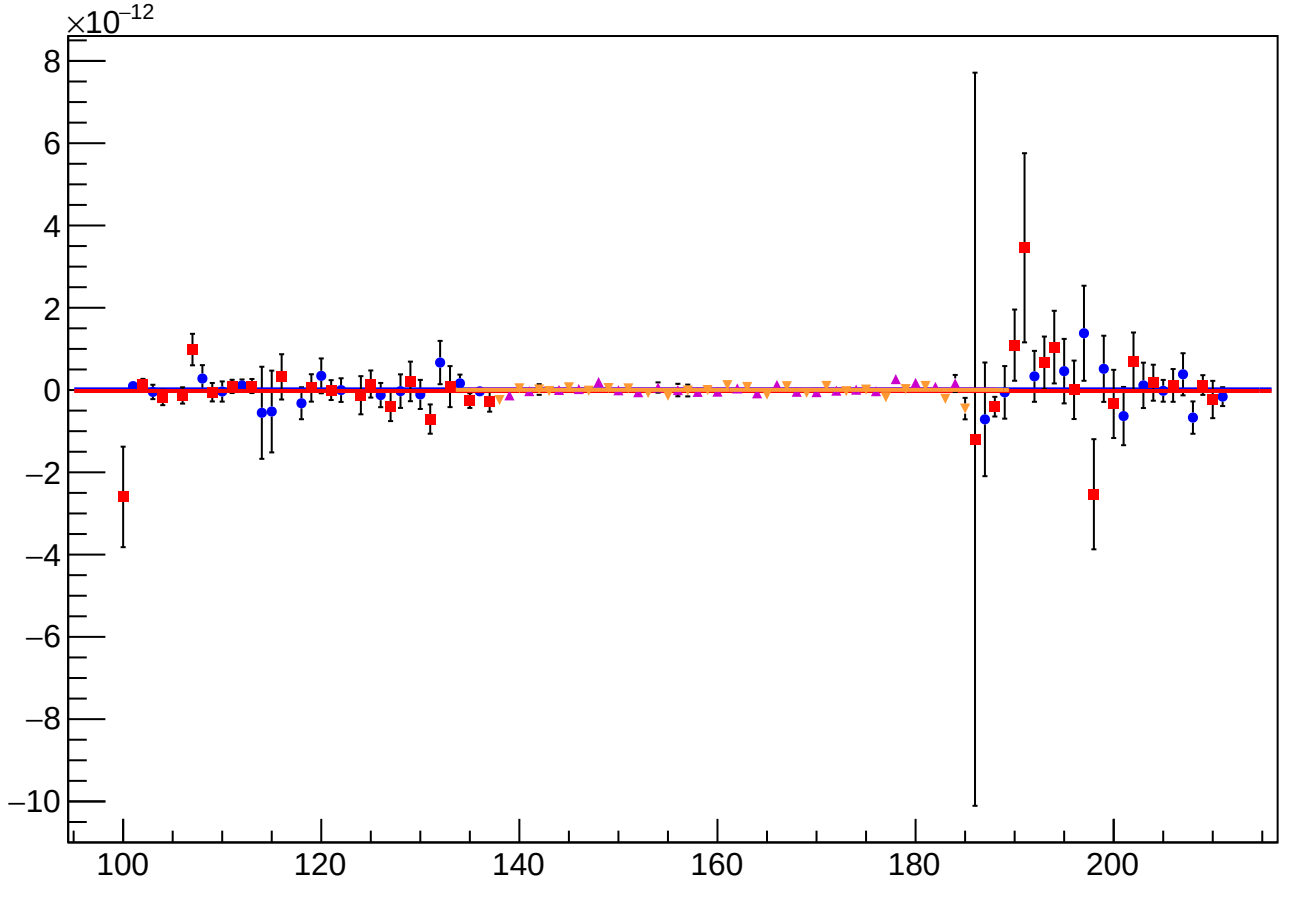
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3009.561+/-0.389 χ^2/NDF: 9207274.2/60

In: 2293.487+/-0.290 χ^2/NDF:6858061.4/50

Out: 2282.203+/-0.281 χ^2/NDF:8628947.7/57

All: 2287.672+/-0.202 χ^2/NDF: 15487789.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/32

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

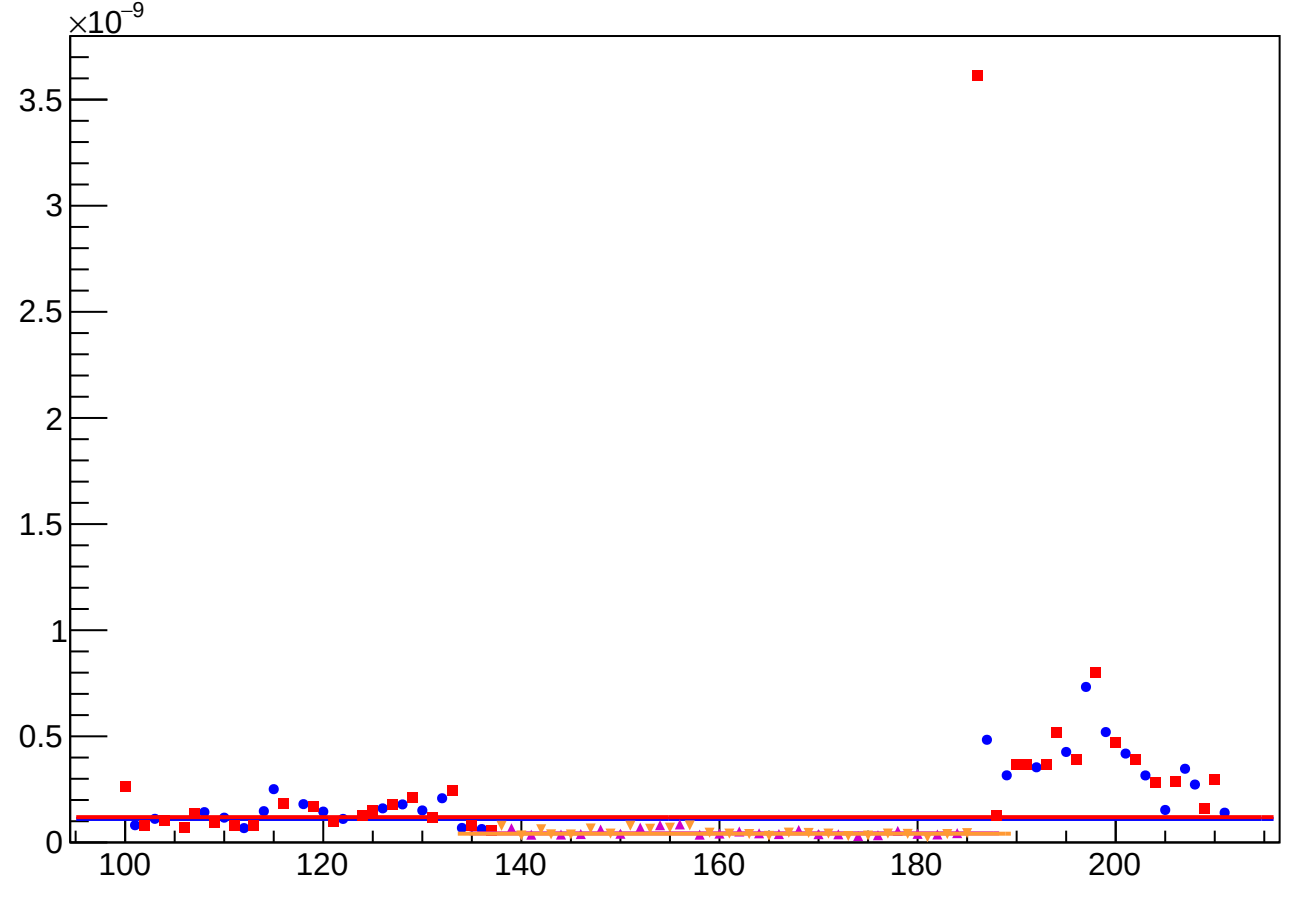
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 52.2/60

In: 0.000+/-0.000 χ^2/NDF:34.8/50

Out: 0.000+/-0.000 χ^2/NDF:70.3/57

All: 0.000+/-0.000 χ^2/NDF: 105.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 4814930.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4856237.0/32

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

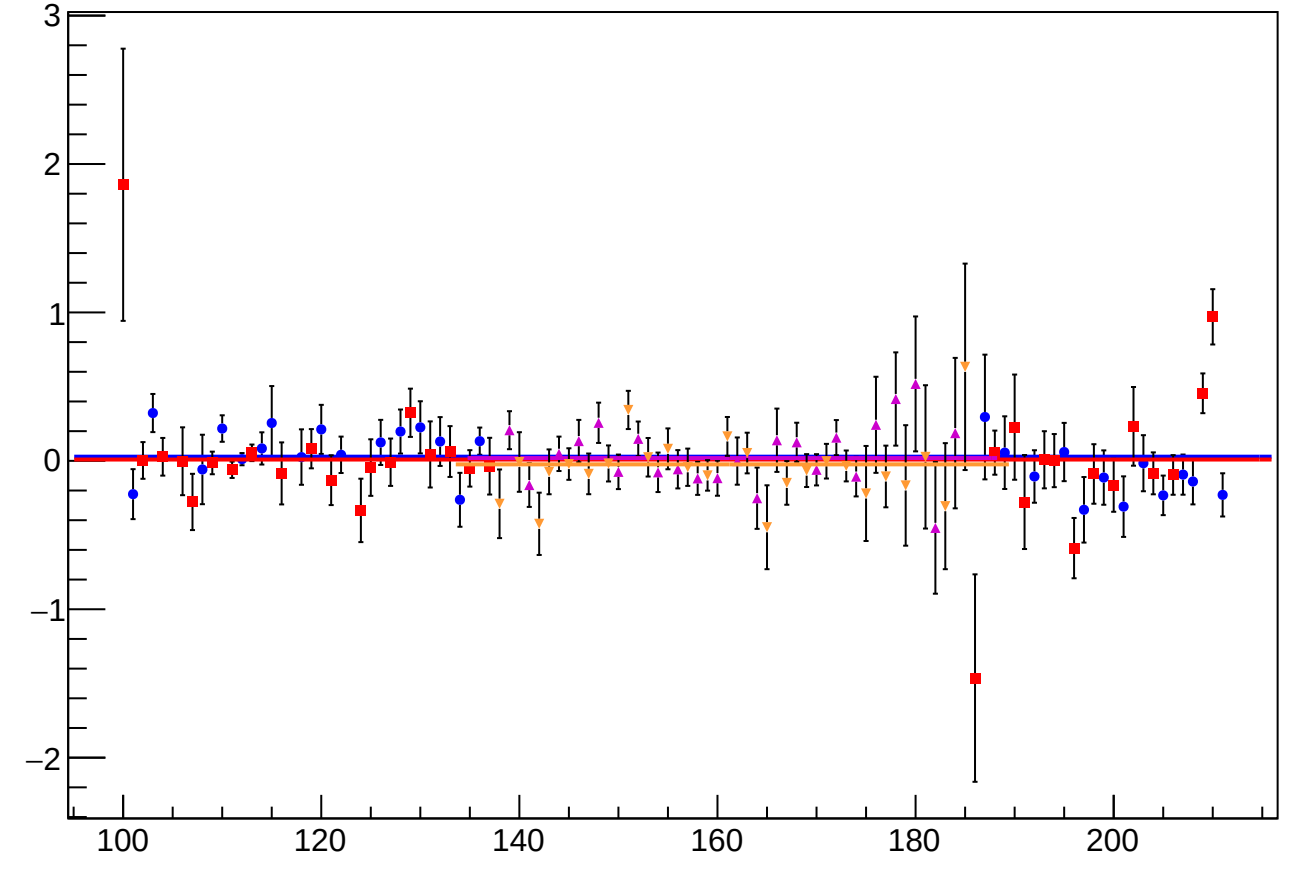
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9699844.8/60

In: 0.000+/-0.000 χ^2/NDF:9198289.7/50

Out: 0.000+/-0.000 χ^2/NDF:10327506.3/57

All: 0.000+/-0.000 χ^2/NDF: 19544428.6/108



Right In: 0.028+/-0.024 χ^2/NDF: 37.8/27

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.009+/-0.024 χ^2/NDF: 71.7/32

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

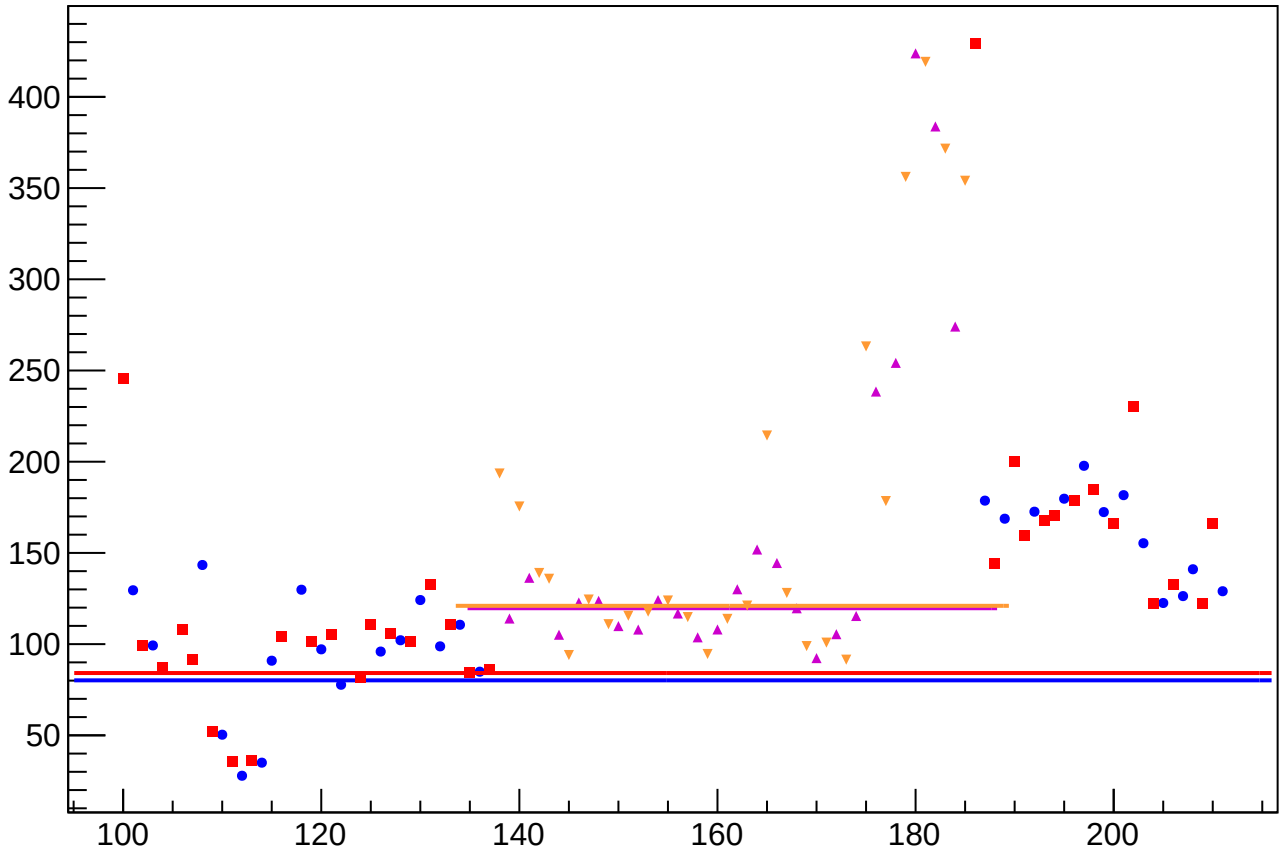
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.017 χ^2/NDF: 109.9/60

In: 0.024+/-0.019 χ^2/NDF:60.9/50

Out: -0.004+/-0.019 χ^2/NDF:94.7/57

All: 0.010+/-0.013 χ^2/NDF: 156.7/108



Right In: 80.146+/-0.017 χ^2/NDF: 8899182.0/27

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 84.158+/-0.017 χ^2/NDF: 8742848.9/32

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

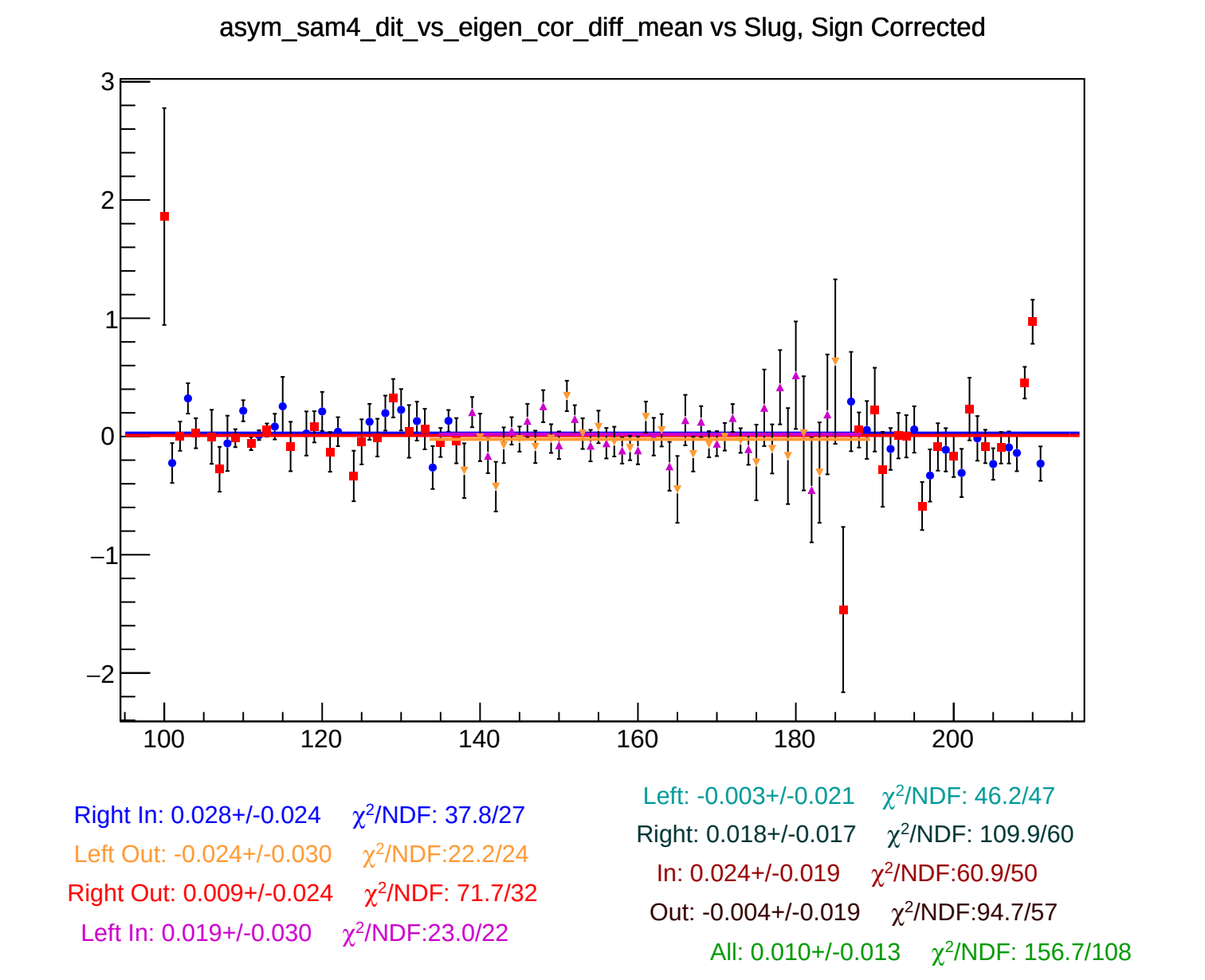
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 82.177+/-0.012 χ^2/NDF: 17670605.5/60

In: 95.341+/-0.013 χ^2/NDF:13843876.2/50

Out: 98.286+/-0.013 χ^2/NDF:14709745.3/57

All: 96.831+/-0.009 χ^2/NDF: 28578618.3/108


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
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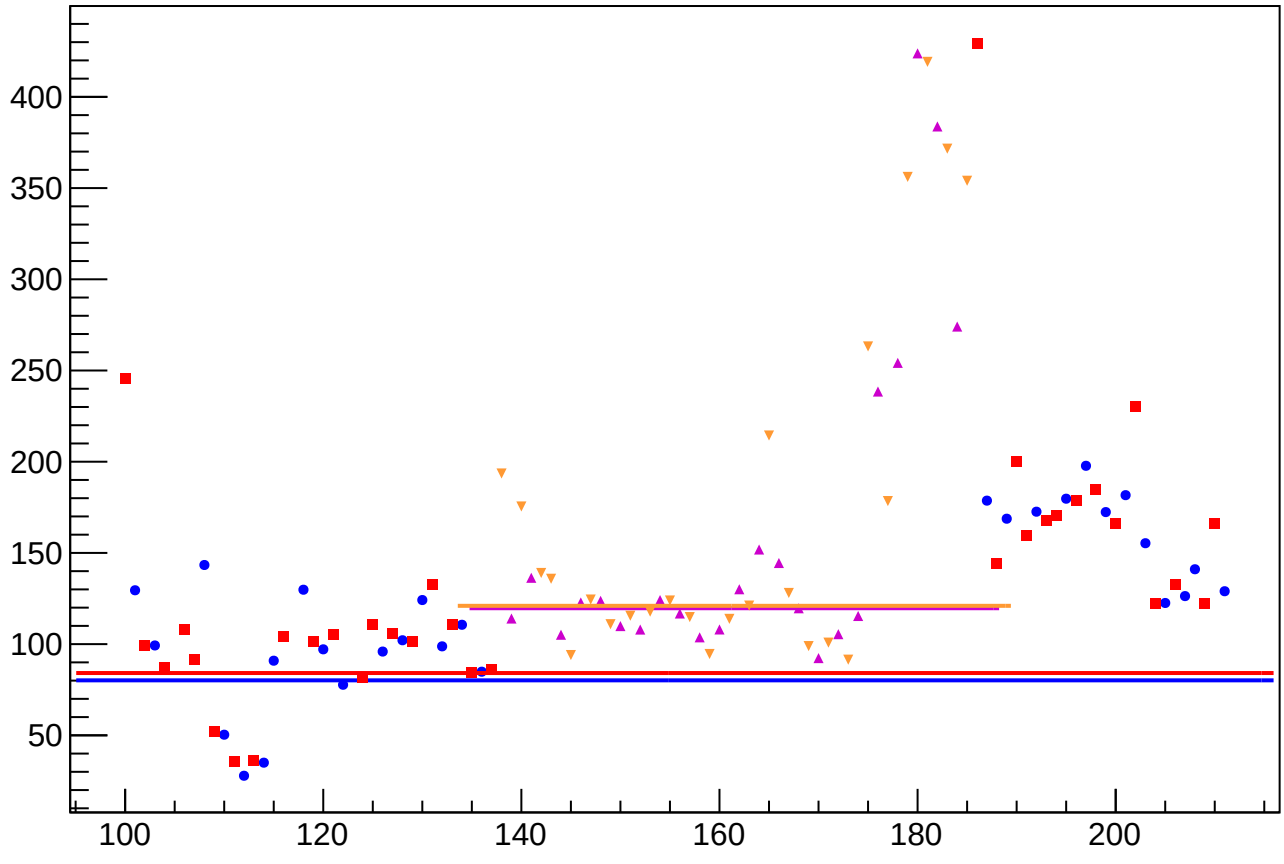
Right In: 0.028+/-0.024 χ²/NDF: 37.8/27
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.009+/-0.024 χ²/NDF: 71.7/32
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.018+/-0.017 χ²/NDF: 109.9/60
In: 0.024+/-0.019 χ²/NDF:60.9/50
Out: -0.004+/-0.019 χ²/NDF:94.7/57
All: 0.010+/-0.013 χ²/NDF: 156.7/108



Right In: 80.146+/-0.017 χ^2/NDF: 8899182.0/27

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 84.158+/-0.017 χ^2/NDF: 8742848.9/32

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

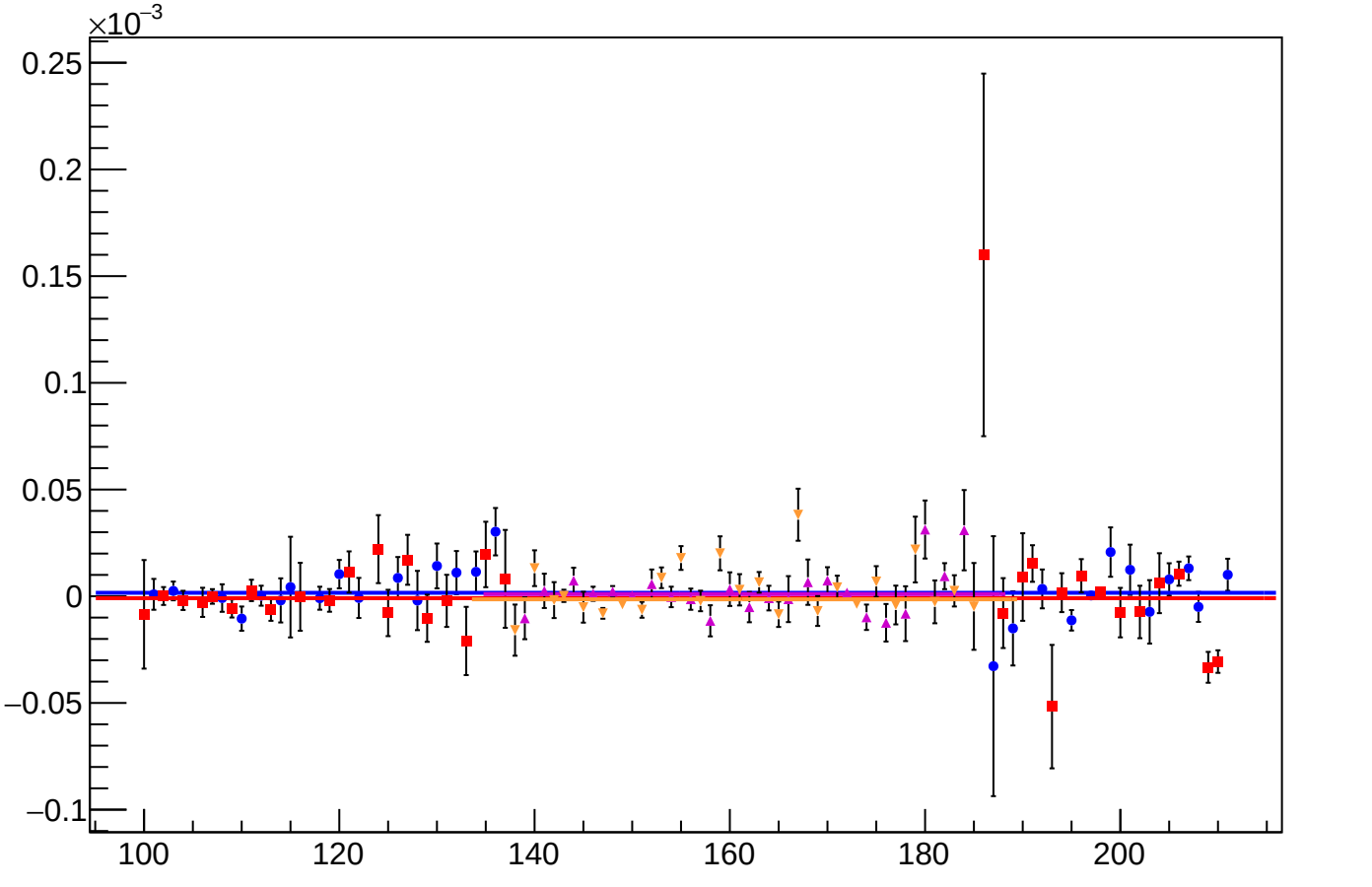
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 82.177+/-0.012 χ^2/NDF: 17670605.5/60

In: 95.341+/-0.013 χ^2/NDF:13843876.2/50

Out: 98.286+/-0.013 χ^2/NDF:14709745.3/57

All: 96.831+/-0.009 χ^2/NDF: 28578618.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 86.9/32

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

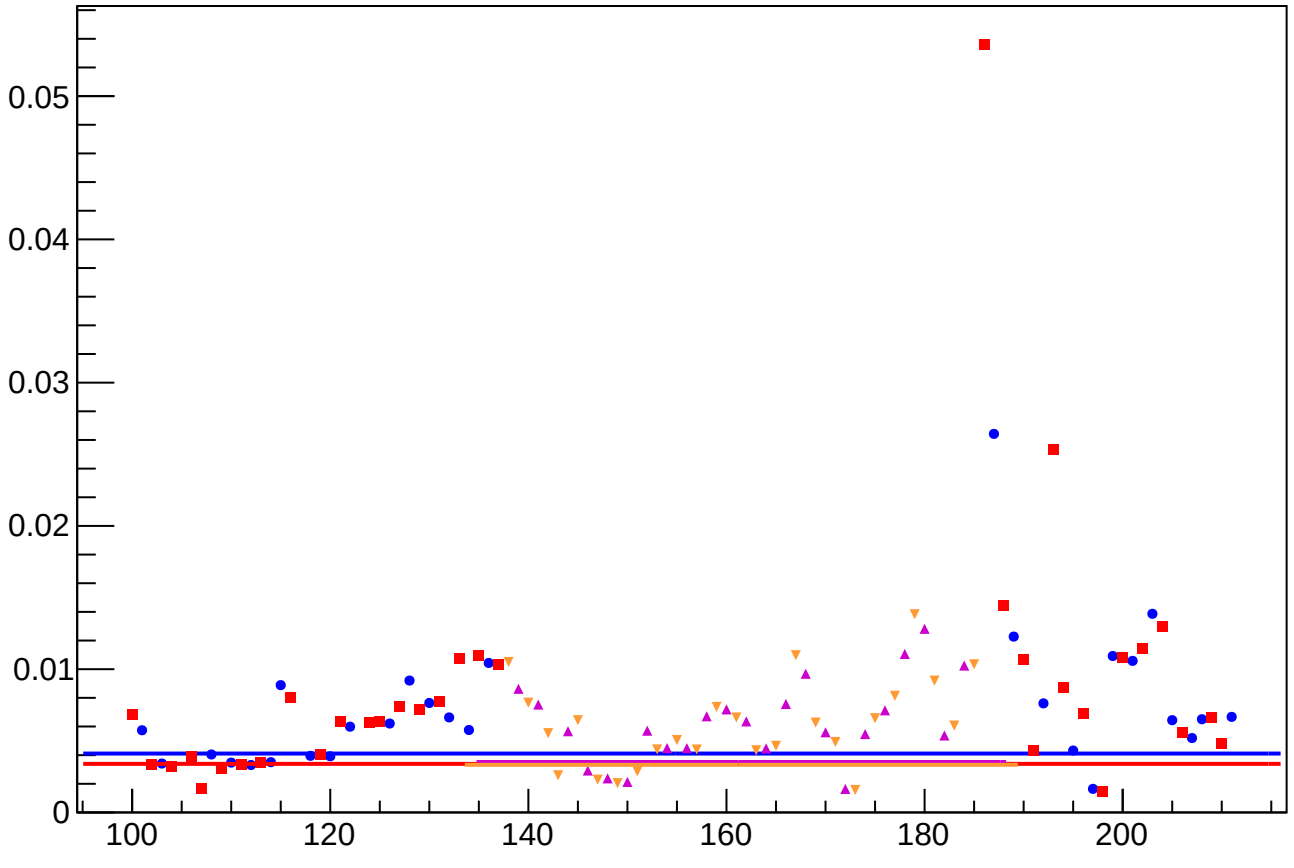
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 126.9/60

In: 0.000+/-0.000 χ^2/NDF:62.1/50

Out: -0.000+/-0.000 χ^2/NDF:147.5/57

All: -0.000+/-0.000 χ^2/NDF: 215.3/108



Right In: 0.004+/-0.000 χ^2/NDF: 8300069.3/27

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13249973.2/32

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

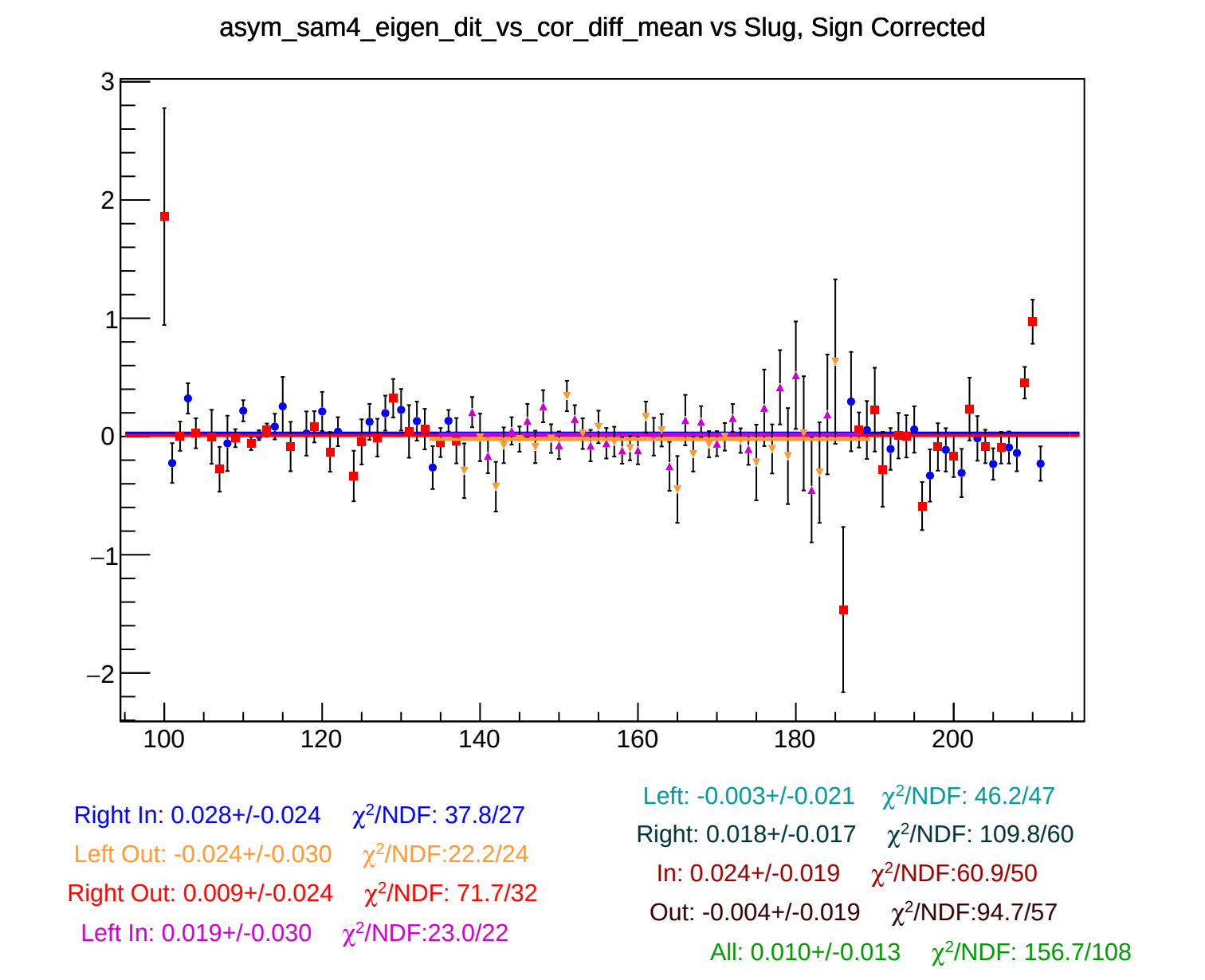
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 21962211.0/60

In: 0.004+/-0.000 χ^2/NDF:18010643.3/50

Out: 0.003+/-0.000 χ^2/NDF:23740545.4/57

All: 0.004+/-0.000 χ^2/NDF: 42062147.4/108


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
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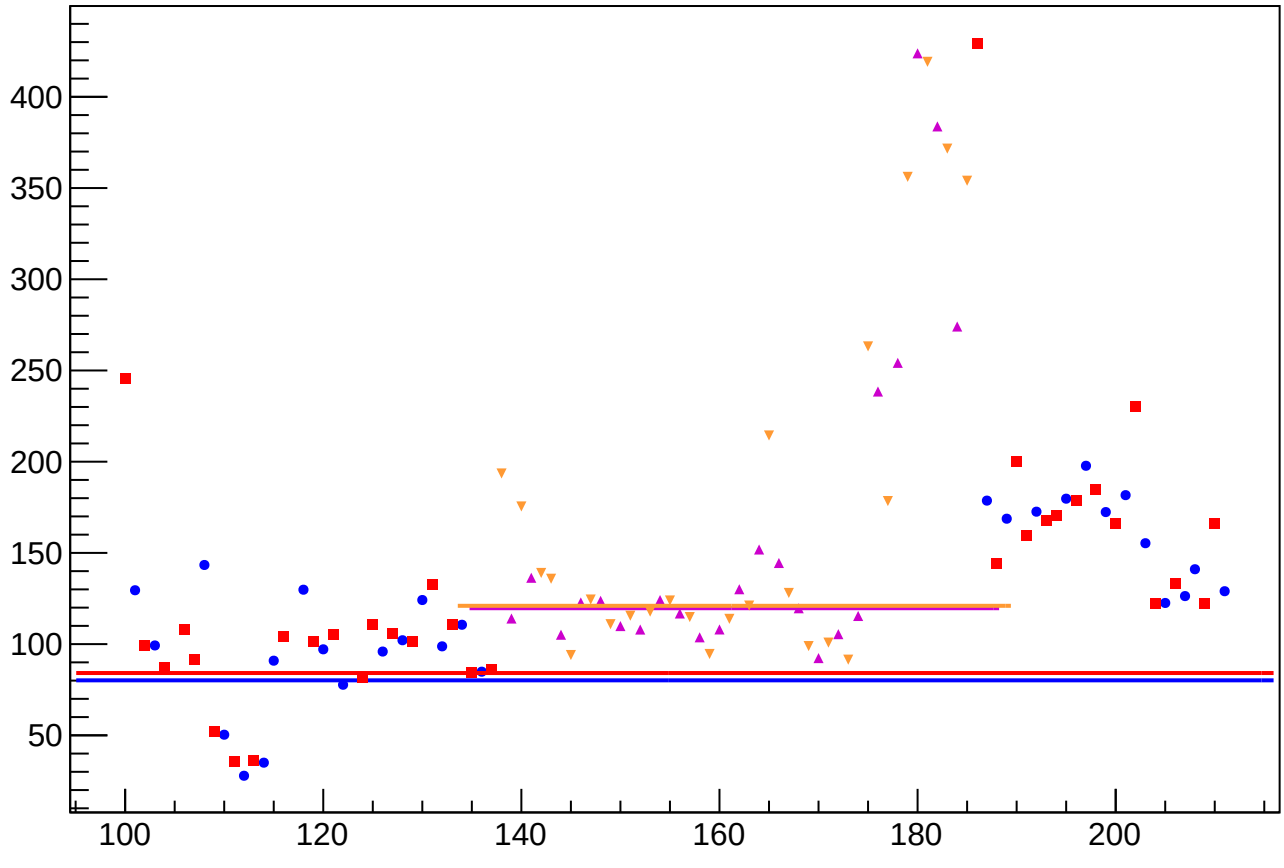
Right In: 0.028+/-0.024 χ²/NDF: 37.8/27
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.009+/-0.024 χ²/NDF: 71.7/32
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.018+/-0.017 χ²/NDF: 109.8/60
In: 0.024+/-0.019 χ²/NDF:60.9/50
Out: -0.004+/-0.019 χ²/NDF:94.7/57
All: 0.010+/-0.013 χ²/NDF: 156.7/108



Right In: 80.143+/-0.017 χ^2/NDF: 8899684.1/27

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 84.156+/-0.017 χ^2/NDF: 8743372.5/32

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

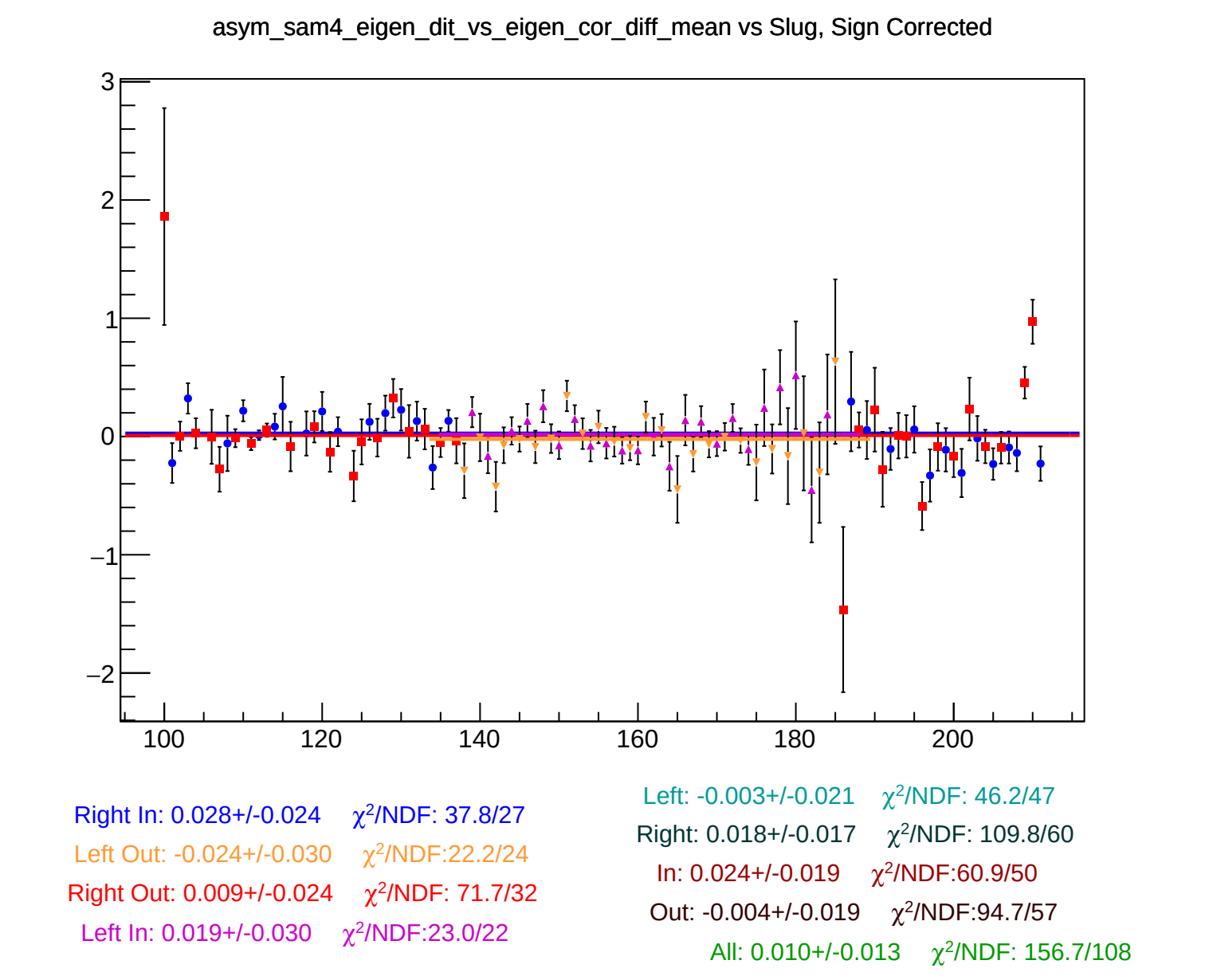
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 82.175+/-0.012 χ^2/NDF: 17671637.0/60

In: 95.339+/-0.013 χ^2/NDF:13844666.4/50

Out: 98.285+/-0.013 χ^2/NDF:14710508.0/57

All: 96.829+/-0.009 χ^2/NDF: 28580177.3/108


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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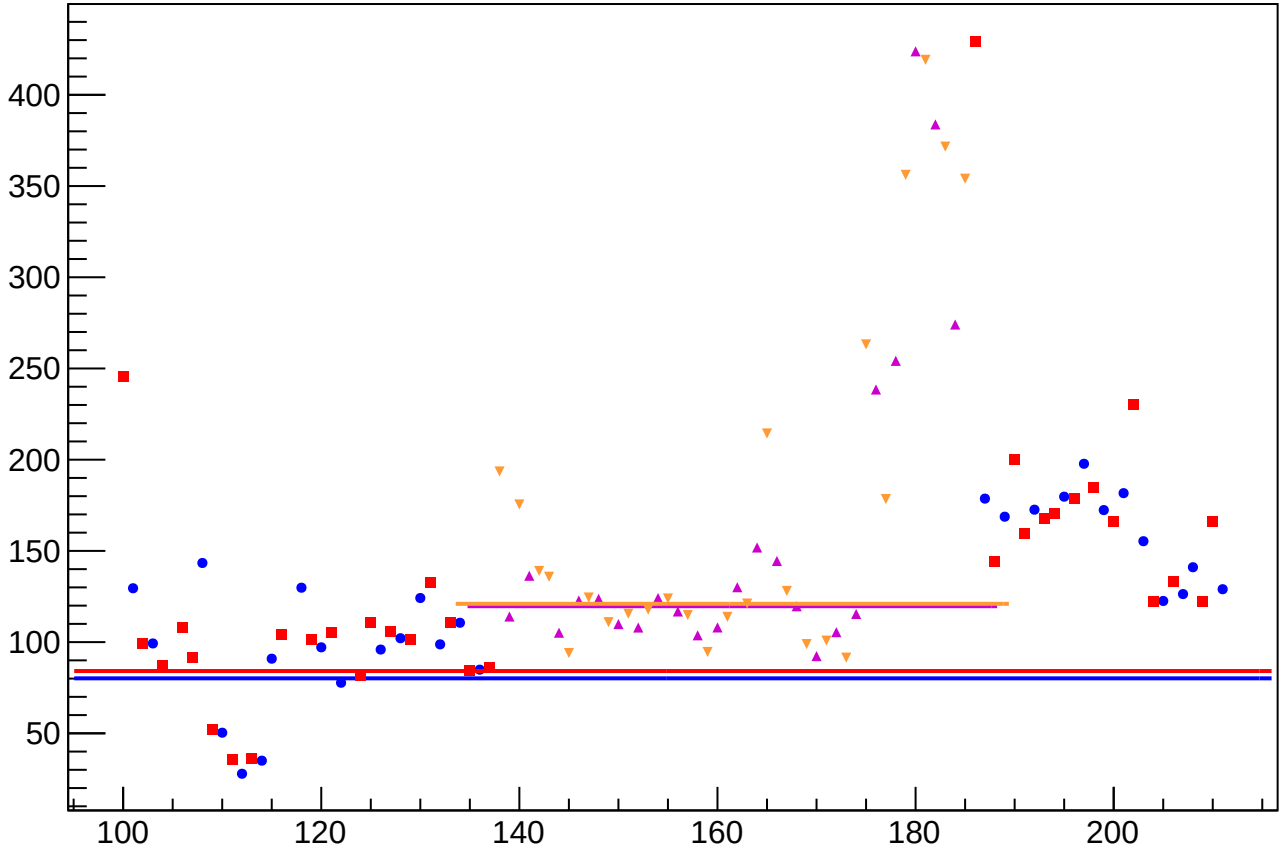
Right In: 0.028+/-0.024 χ²/NDF: 37.8/27
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.009+/-0.024 χ²/NDF: 71.7/32
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.018+/-0.017 χ²/NDF: 109.8/60
In: 0.024+/-0.019 χ²/NDF:60.9/50
Out: -0.004+/-0.019 χ²/NDF:94.7/57
All: 0.010+/-0.013 χ²/NDF: 156.7/108

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.143+/-0.017 χ^2/NDF: 8899684.1/27

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 84.156+/-0.017 χ^2/NDF: 8743372.5/32

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

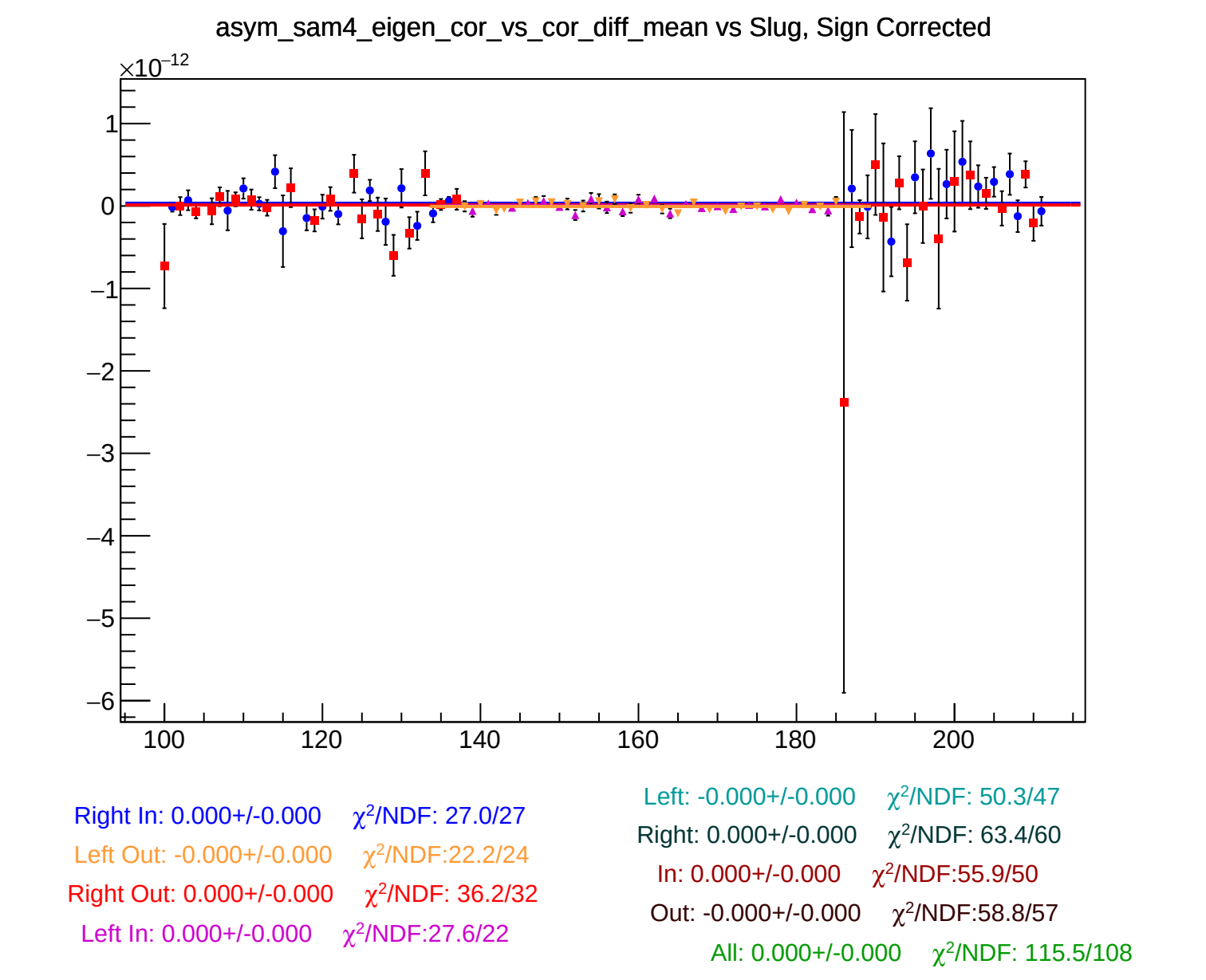
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 82.175+/-0.012 χ^2/NDF: 17671637.0/60

In: 95.339+/-0.013 χ^2/NDF:13844666.4/50

Out: 98.285+/-0.013 χ^2/NDF:14710508.0/57

All: 96.829+/-0.009 χ^2/NDF: 28580177.3/108


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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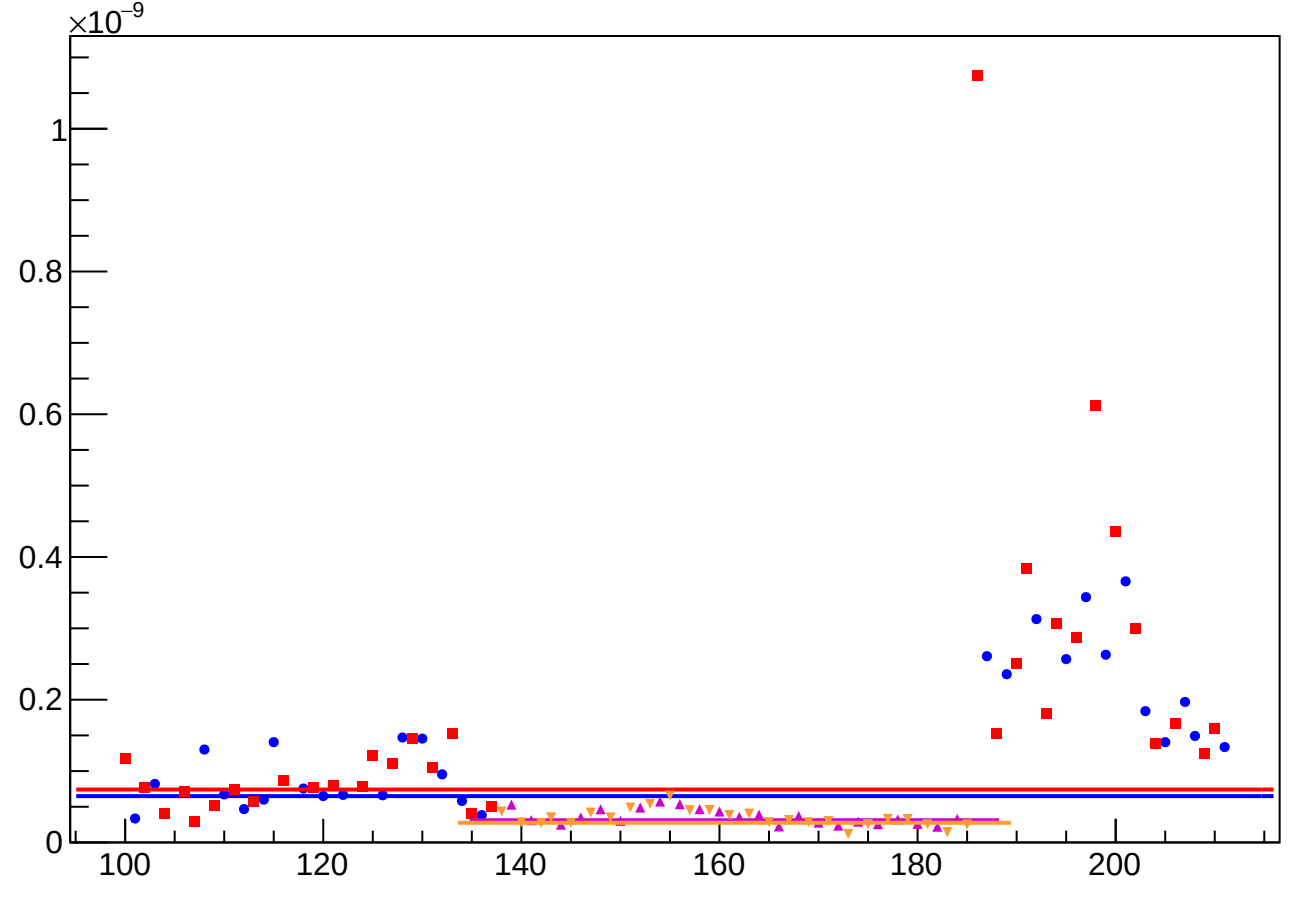
Right In: 0.000+/-0.000 χ²/NDF: 27.0/27
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.2/32
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 63.4/60
In: 0.000+/-0.000 χ²/NDF:55.9/50
Out: -0.000+/-0.000 χ²/NDF:58.8/57
All: 0.000+/-0.000 χ²/NDF: 115.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 7463831.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7314987.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

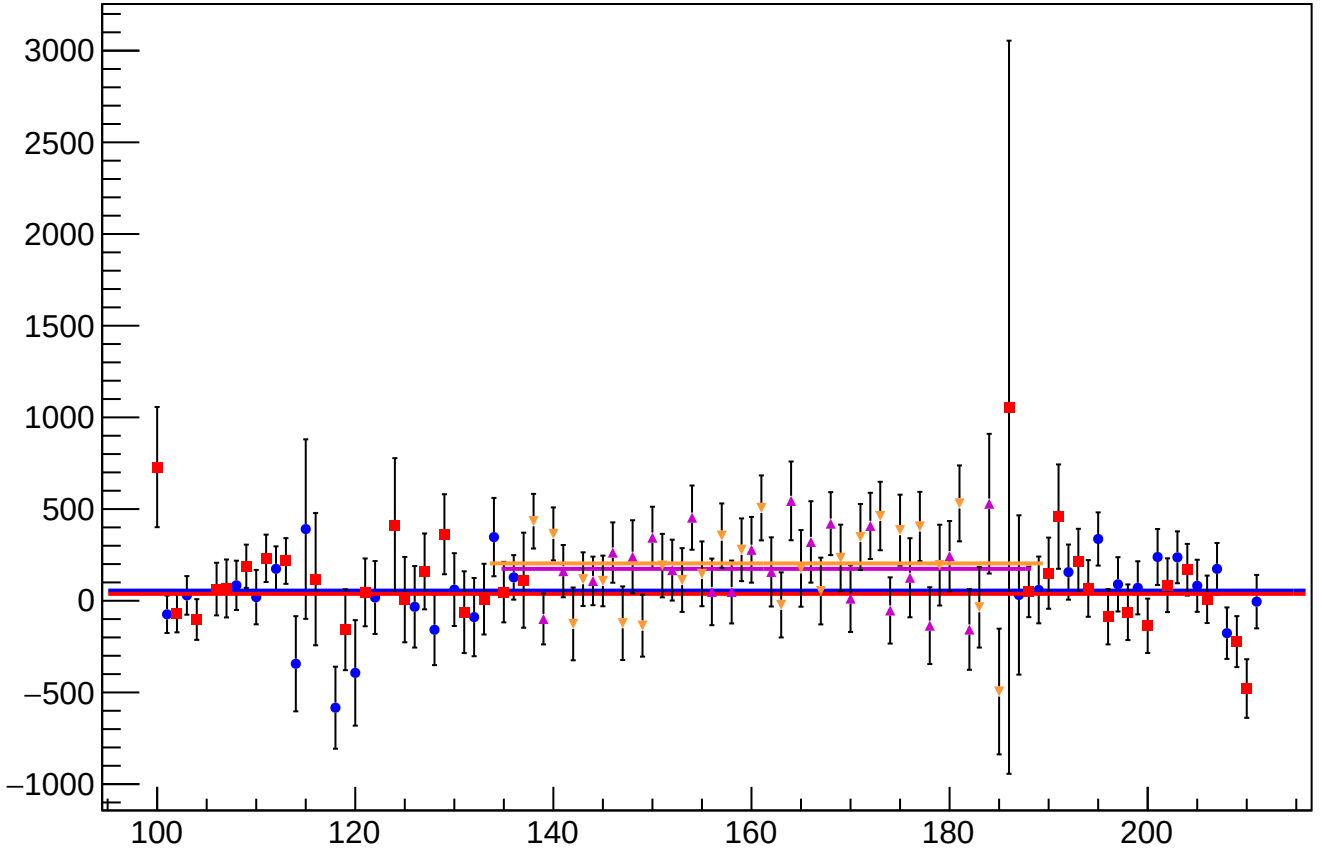
Right: 0.000+/-0.000 χ^2/NDF: 14904628.8/60

In: 0.000+/-0.000 χ^2/NDF:12670111.4/50

Out: 0.000+/-0.000 χ^2/NDF:16459360.6/57

All: 0.000+/-0.000 χ^2/NDF: 29325853.4/108

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 55.267+/-29.811 χ^2/NDF: 31.2/27

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 37.726+/-28.374 χ^2/NDF: 39.2/32

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

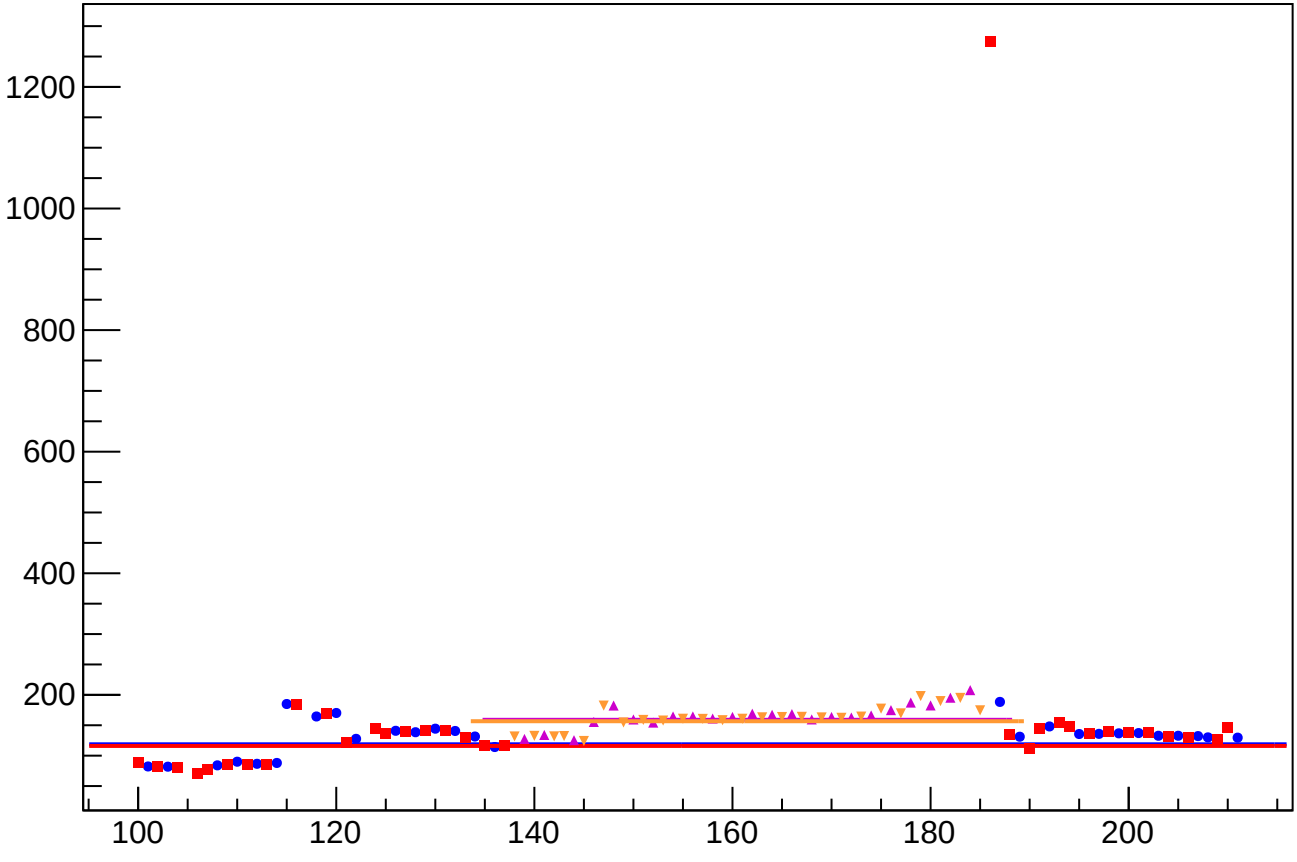
Right: 46.064+/-20.553 χ^2/NDF: 70.6/60

In: 101.379+/-23.313 χ^2/NDF:61.9/50

Out: 101.614+/-22.255 χ^2/NDF:85.3/57

All: 101.502+/-16.098 χ^2/NDF: 147.2/108

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.655+/-0.021 χ^2/NDF: 1499773.2/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 115.991+/-0.020 χ^2/NDF: 2641345.8/32

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

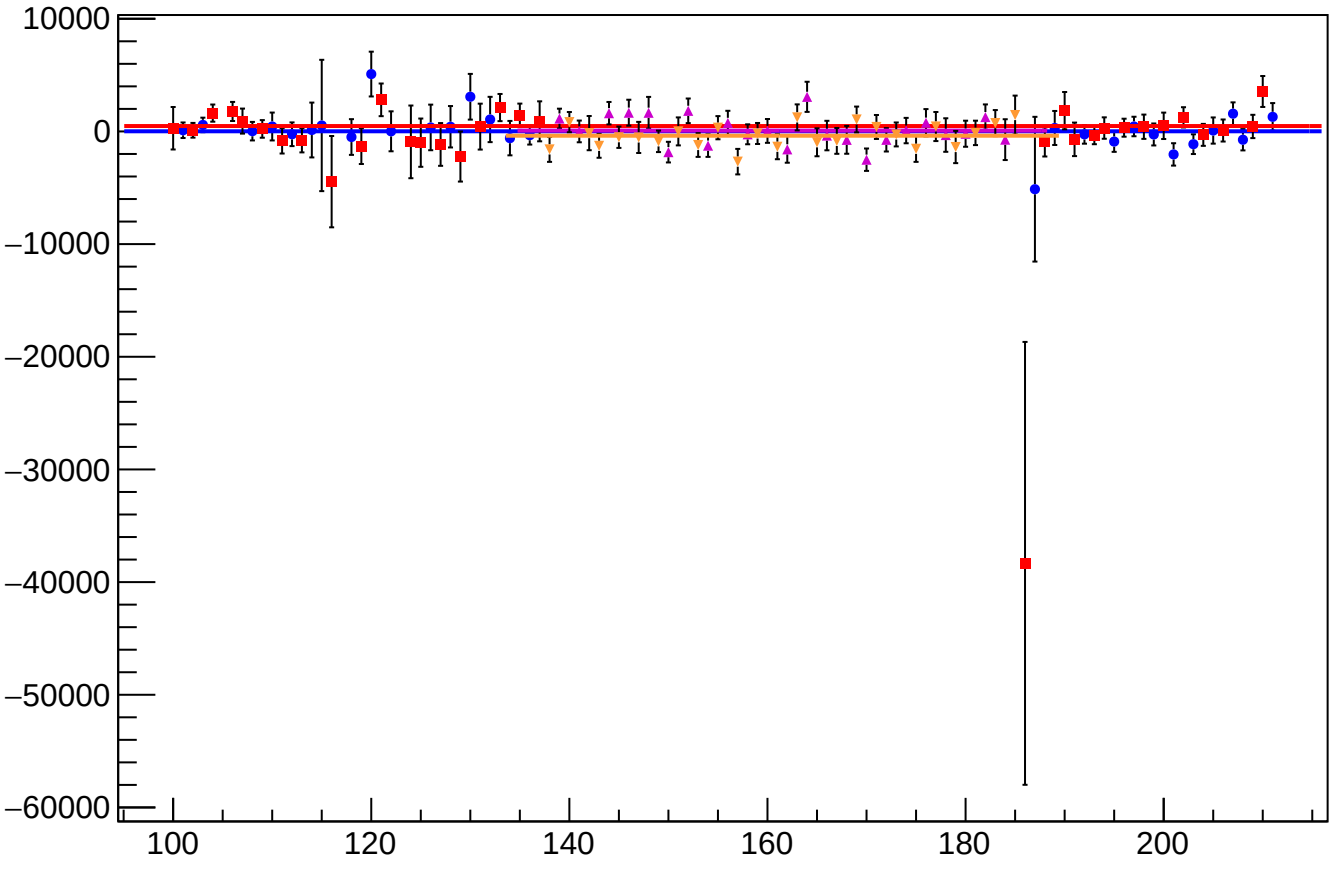
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 117.257+/-0.015 χ^2/NDF: 4149496.8/60

In: 134.308+/-0.016 χ^2/NDF:3430629.5/50

Out: 131.631+/-0.016 χ^2/NDF:4803054.1/57

All: 132.907+/-0.011 χ^2/NDF: 8247476.7/108



Right In: 12.782+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 478.355+/-196.908 χ^2/NDF: 33.0/32

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

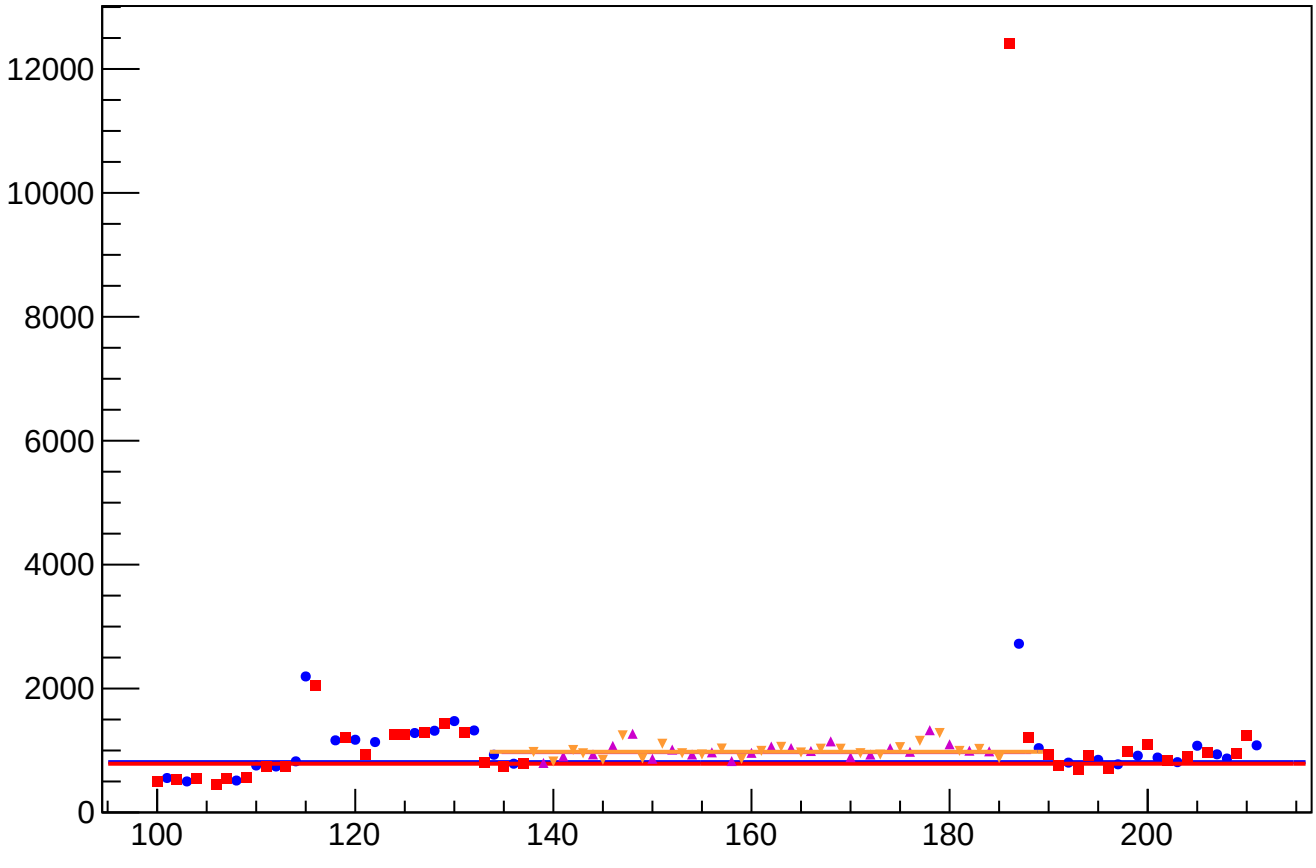
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 259.106+/-143.226 χ^2/NDF: 58.4/60

In: 40.654+/-154.497 χ^2/NDF:55.9/50

Out: 104.941+/-148.050 χ^2/NDF:60.0/57

All: 74.167+/-106.894 χ^2/NDF: 115.9/108



Right In: 812.111+/-0.148 χ^2/NDF: 2482250.0/27

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 786.562+/-0.139 χ^2/NDF: 3686098.8/32

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

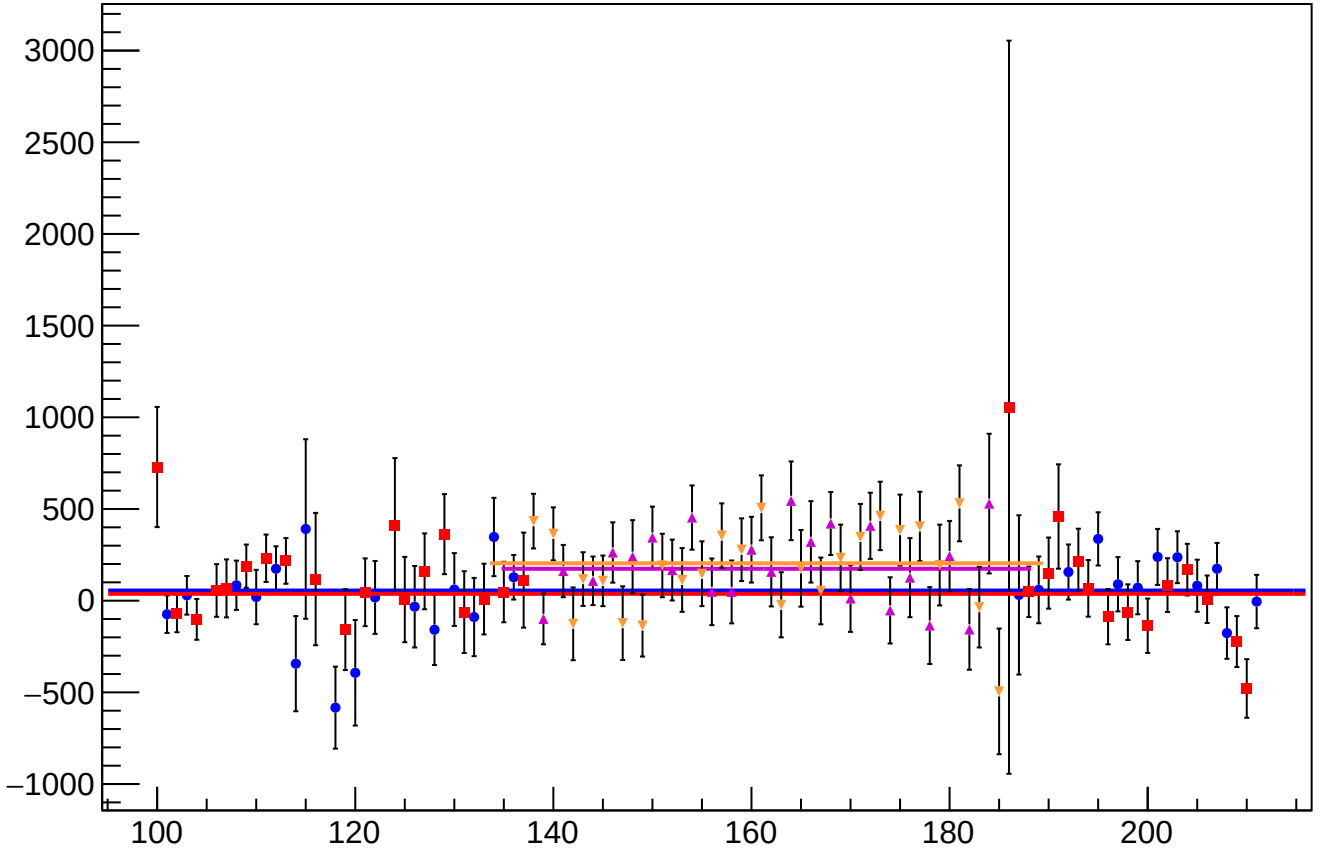
Right: 798.594+/-0.101 χ^2/NDF: 6184205.0/60

In: 885.210+/-0.109 χ^2/NDF:3523579.9/50

Out: 870.260+/-0.105 χ^2/NDF:4947205.0/57

All: 877.417+/-0.076 χ^2/NDF: 8480547.0/108

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 55.265+/-29.811 χ^2/NDF: 31.3/27

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 37.428+/-28.375 χ^2/NDF: 39.2/32

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

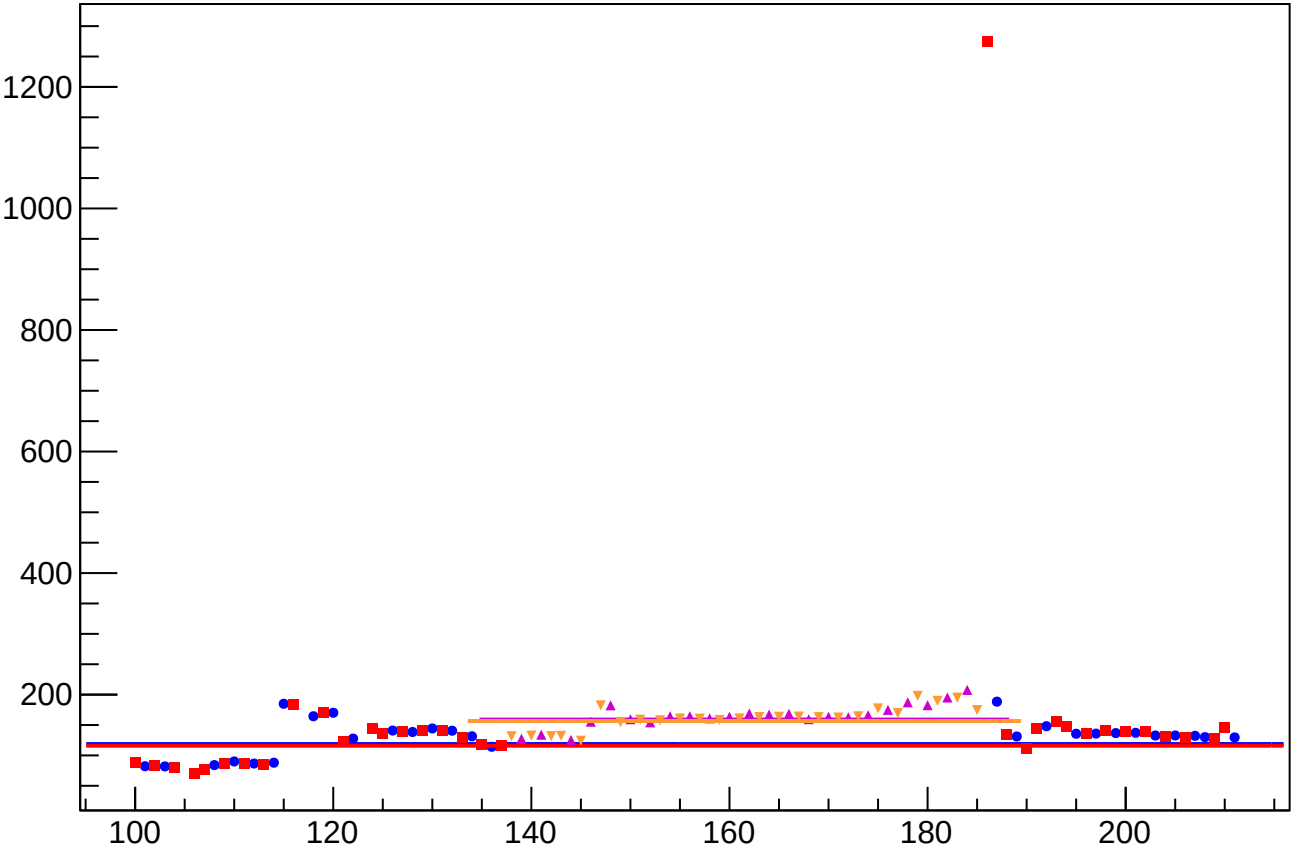
Right: 45.906+/-20.553 χ^2/NDF: 70.6/60

In: 101.379+/-23.313 χ^2/NDF:61.9/50

Out: 101.436+/-22.256 χ^2/NDF:85.3/57

All: 101.409+/-16.098 χ^2/NDF: 147.2/108

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.655+/-0.021 χ^2/NDF: 1499772.0/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.979+/-0.020 χ^2/NDF: 2644575.5/32

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

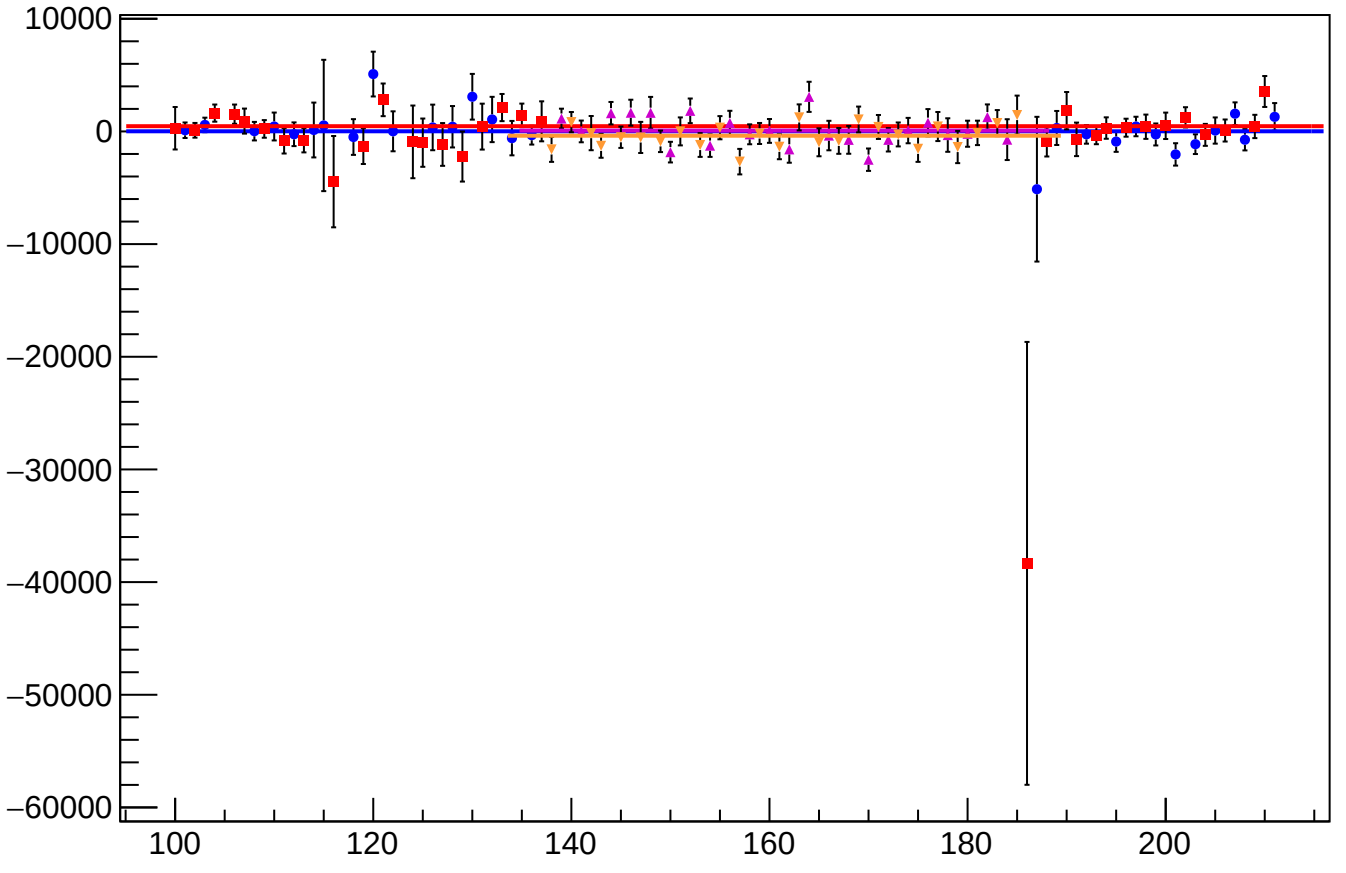
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 117.251+/-0.015 χ^2/NDF: 4152801.1/60

In: 134.308+/-0.016 χ^2/NDF:3430627.5/50

Out: 131.625+/-0.016 χ^2/NDF:4807174.4/57

All: 132.904+/-0.011 χ^2/NDF: 8251663.6/108



Right In: 12.785+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 464.553+/-196.977 χ^2/NDF: 32.2/32

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

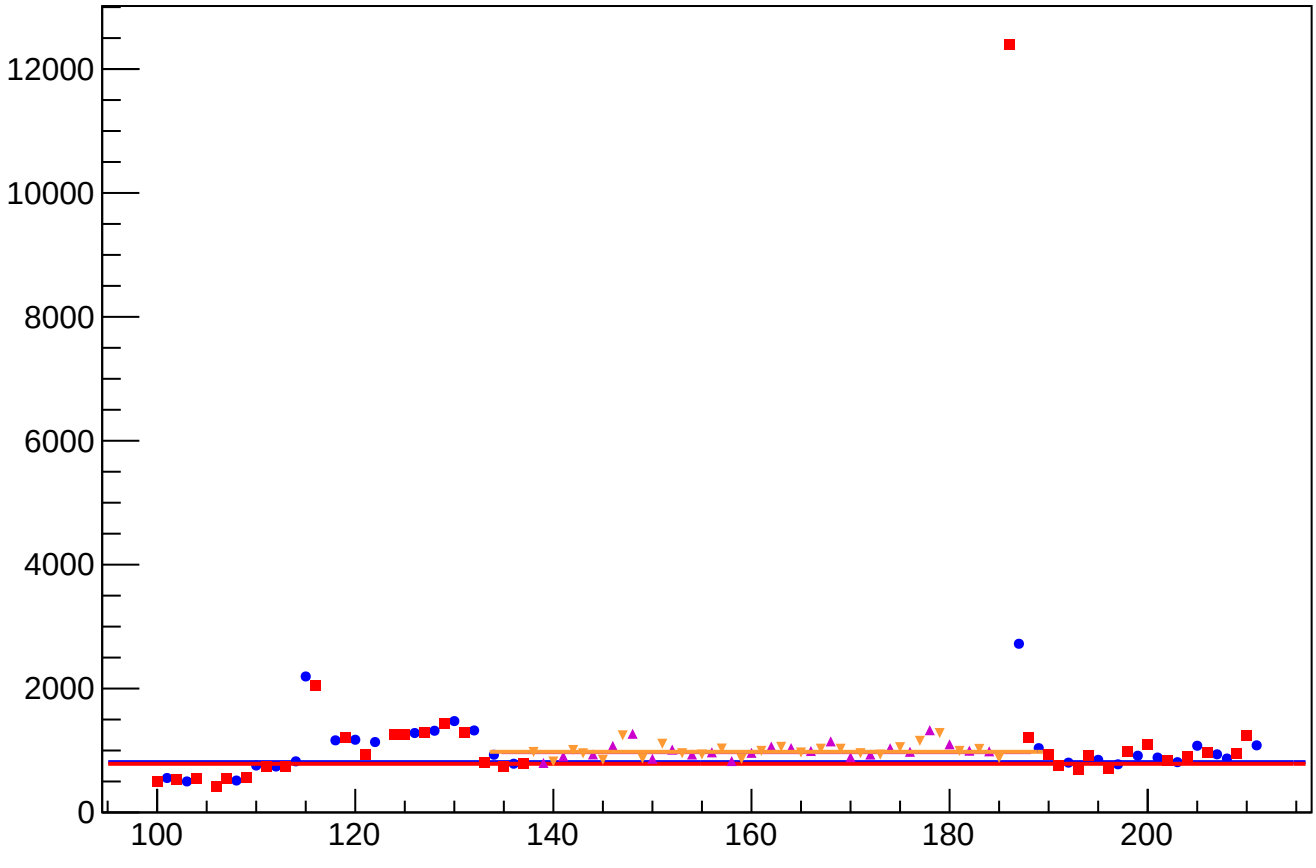
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 251.726+/-143.253 χ^2/NDF: 57.4/60

In: 40.655+/-154.497 χ^2/NDF:55.9/50

Out: 96.998+/-148.079 χ^2/NDF:58.9/57

All: 70.021+/-106.905 χ^2/NDF: 114.9/108



Right In: 812.111+/-0.148 χ^2/NDF: 2482254.7/27

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 785.500+/-0.139 χ^2/NDF: 3728753.1/32

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

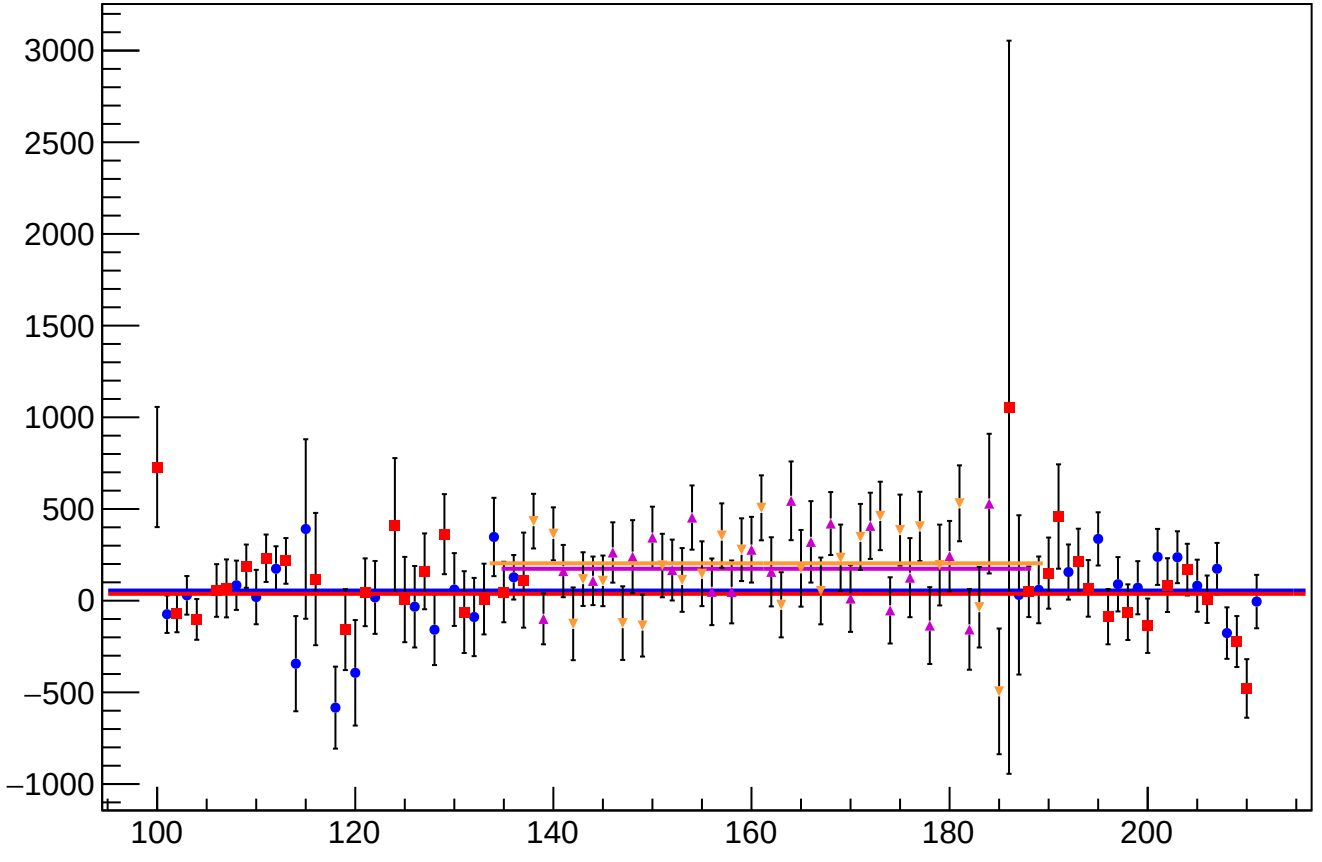
Right: 798.036+/-0.101 χ^2/NDF: 6228204.0/60

In: 885.210+/-0.109 χ^2/NDF:3523588.0/50

Out: 869.694+/-0.105 χ^2/NDF:4998800.1/57

All: 877.123+/-0.076 χ^2/NDF: 8532902.4/108

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 55.265+/-29.811 χ^2/NDF: 31.3/27

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 37.428+/-28.375 χ^2/NDF: 39.2/32

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

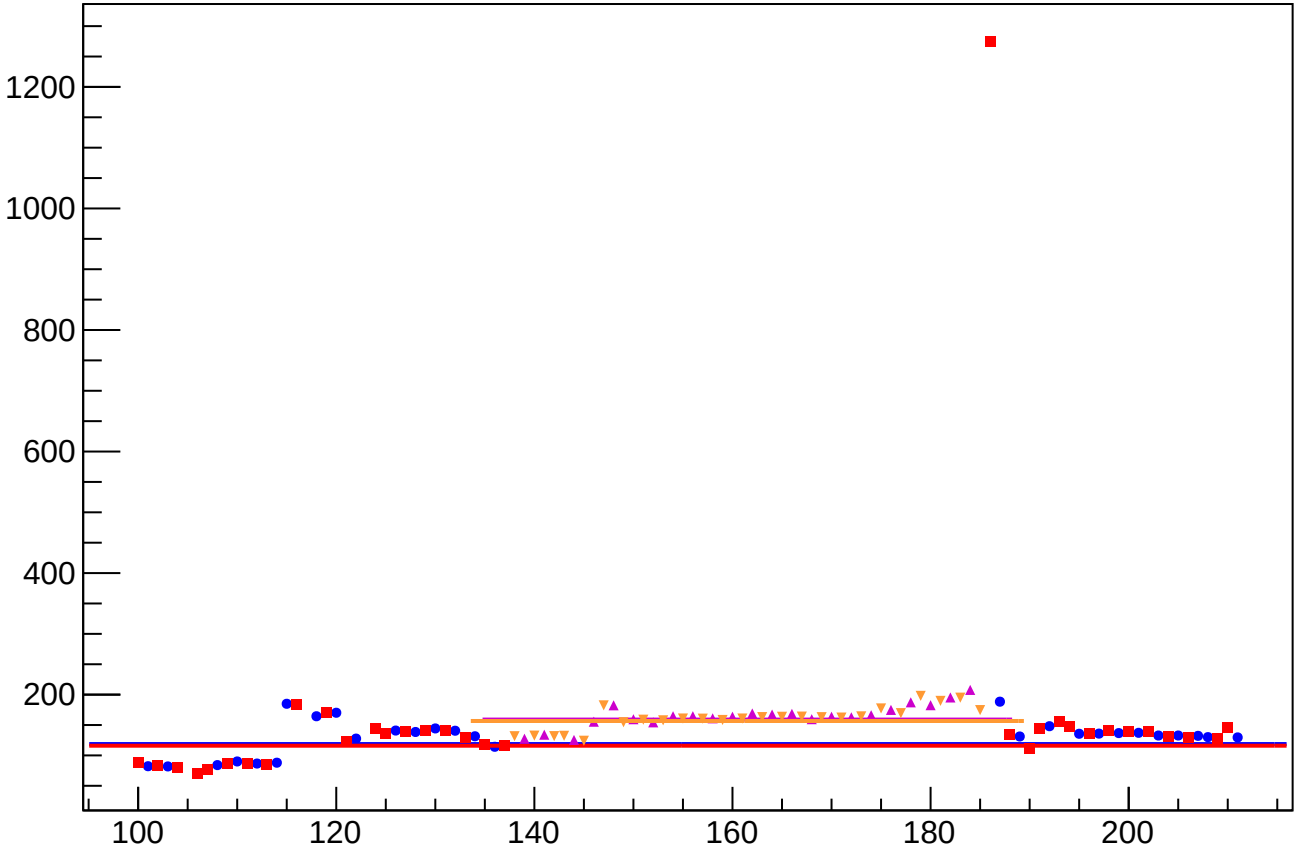
Right: 45.906+/-20.553 χ^2/NDF: 70.6/60

In: 101.379+/-23.313 χ^2/NDF:61.9/50

Out: 101.436+/-22.256 χ^2/NDF:85.3/57

All: 101.409+/-16.098 χ^2/NDF: 147.2/108

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.655+/-0.021 χ^2/NDF: 1499772.0/27

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.979+/-0.020 χ^2/NDF: 2644575.5/32

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

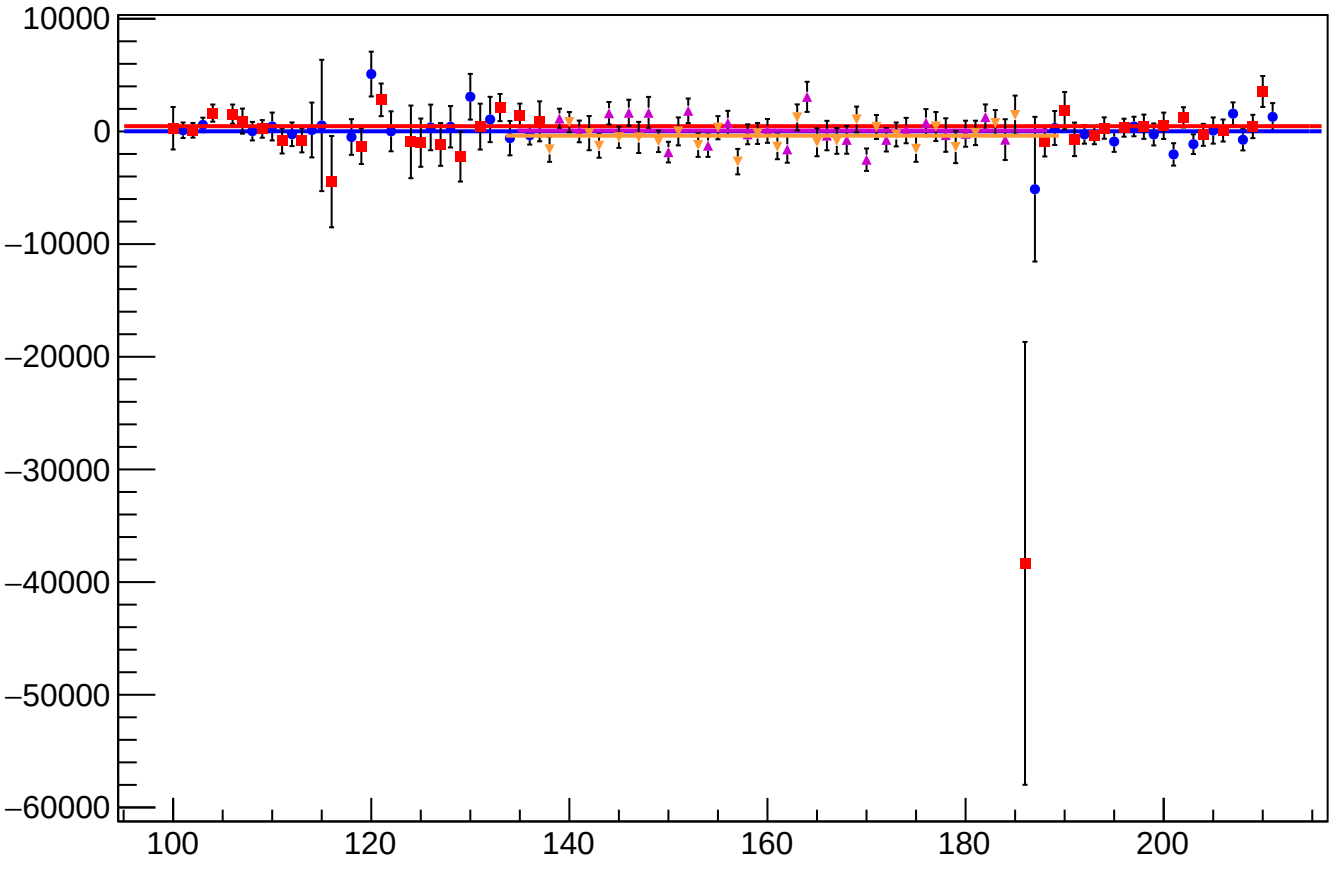
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 117.251+/-0.015 χ^2/NDF: 4152801.1/60

In: 134.308+/-0.016 χ^2/NDF:3430627.5/50

Out: 131.625+/-0.016 χ^2/NDF:4807174.4/57

All: 132.904+/-0.011 χ^2/NDF: 8251663.6/108



Right In: 12.785+/-208.712 χ^2/NDF: 22.8/27

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 464.553+/-196.977 χ^2/NDF: 32.2/32

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

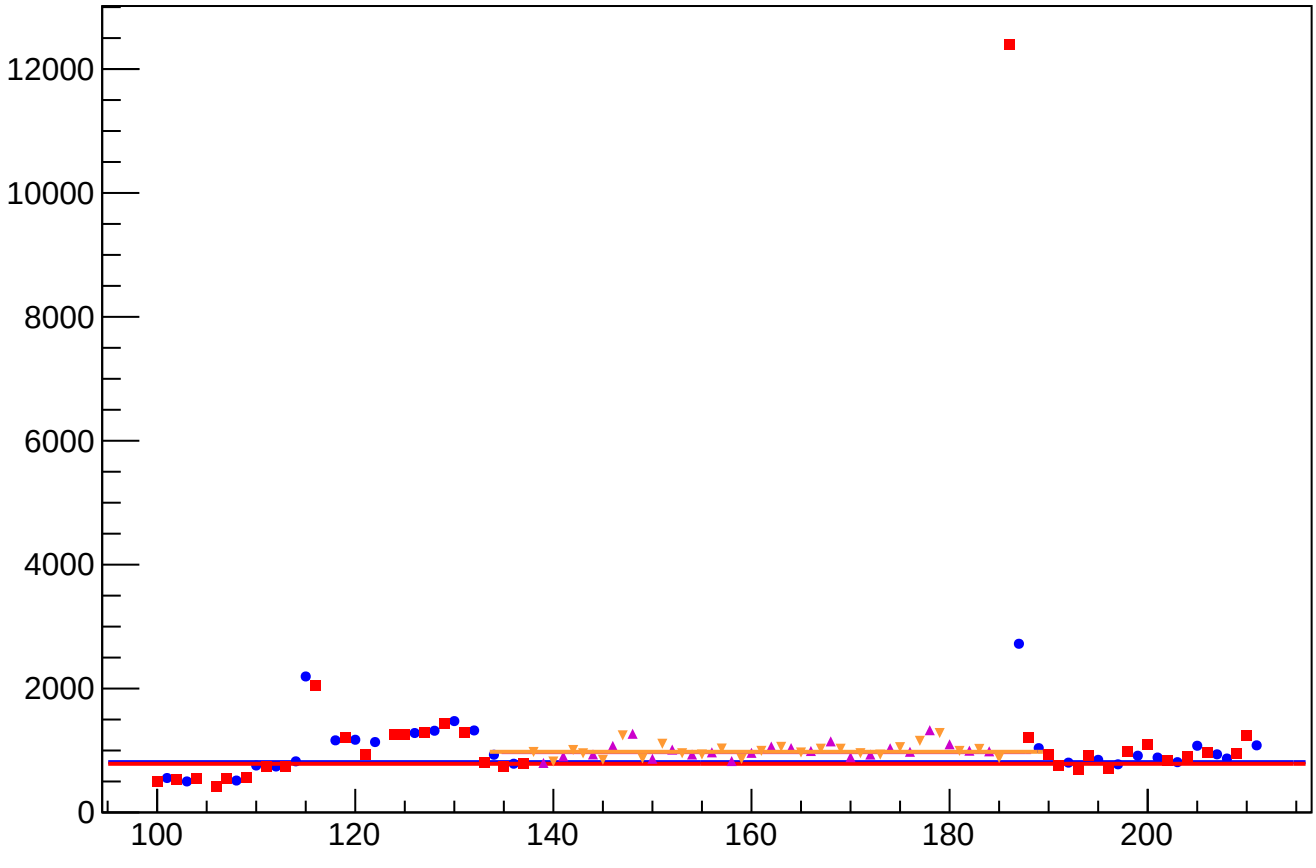
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 251.726+/-143.253 χ^2/NDF: 57.4/60

In: 40.655+/-154.497 χ^2/NDF:55.9/50

Out: 96.998+/-148.079 χ^2/NDF:58.9/57

All: 70.021+/-106.905 χ^2/NDF: 114.9/108



Right In: 812.111+/-0.148 χ^2/NDF: 2482254.7/27

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 785.500+/-0.139 χ^2/NDF: 3728753.1/32

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

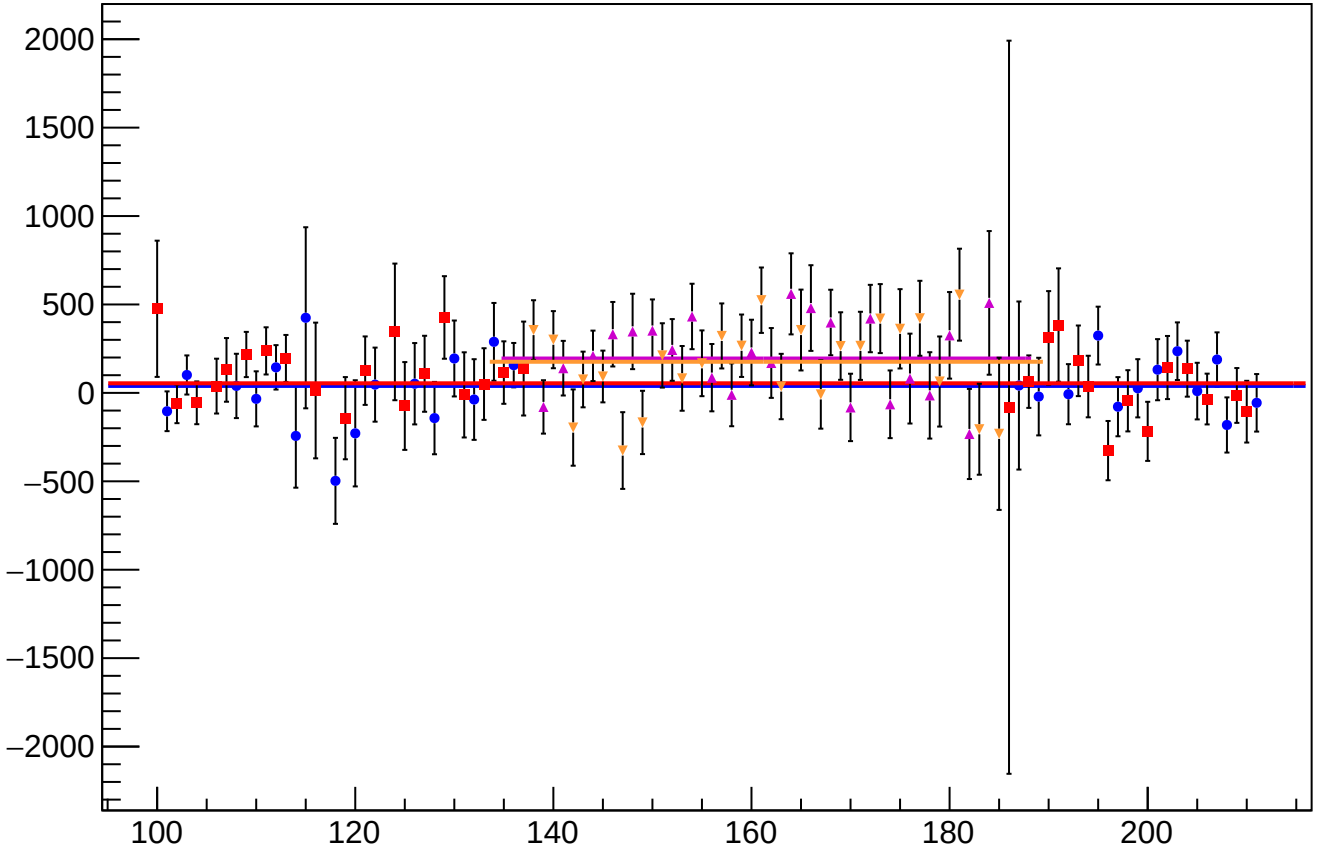
Right: 798.036+/-0.101 χ^2/NDF: 6228204.0/60

In: 885.210+/-0.109 χ^2/NDF:3523588.0/50

Out: 869.694+/-0.105 χ^2/NDF:4998800.1/57

All: 877.123+/-0.076 χ^2/NDF: 8532902.4/108

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 39.411+/-32.771 χ^2/NDF: 22.4/27

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 54.265+/-31.079 χ^2/NDF: 25.1/32

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

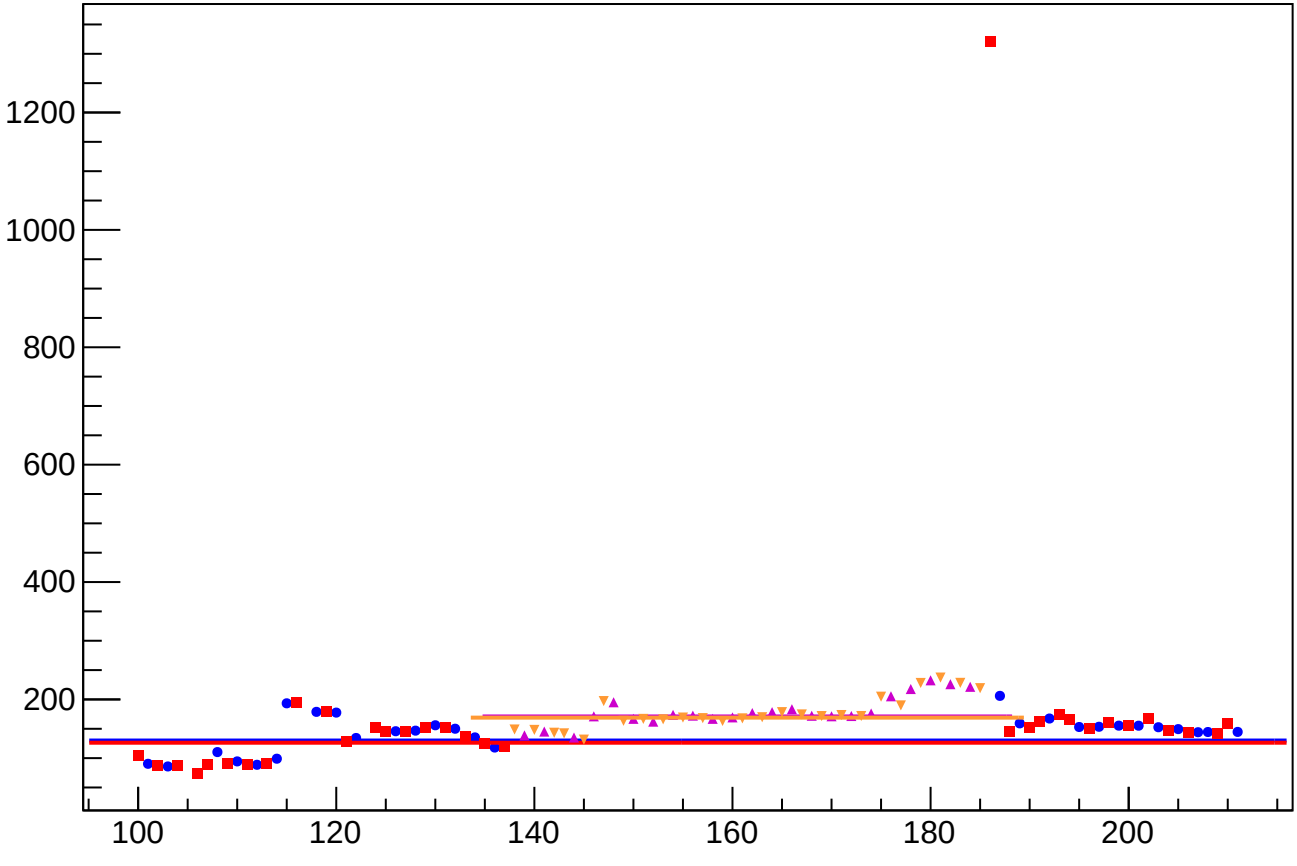
Right: 47.231+/-22.551 χ^2/NDF: 47.5/60

In: 100.921+/-25.447 χ^2/NDF:55.1/50

Out: 101.793+/-24.266 χ^2/NDF:61.8/57

All: 101.377+/-17.561 χ^2/NDF: 116.9/108

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.990+/-0.023 χ^2/NDF: 1656089.3/27

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 126.272+/-0.022 χ^2/NDF: 2912835.1/32

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

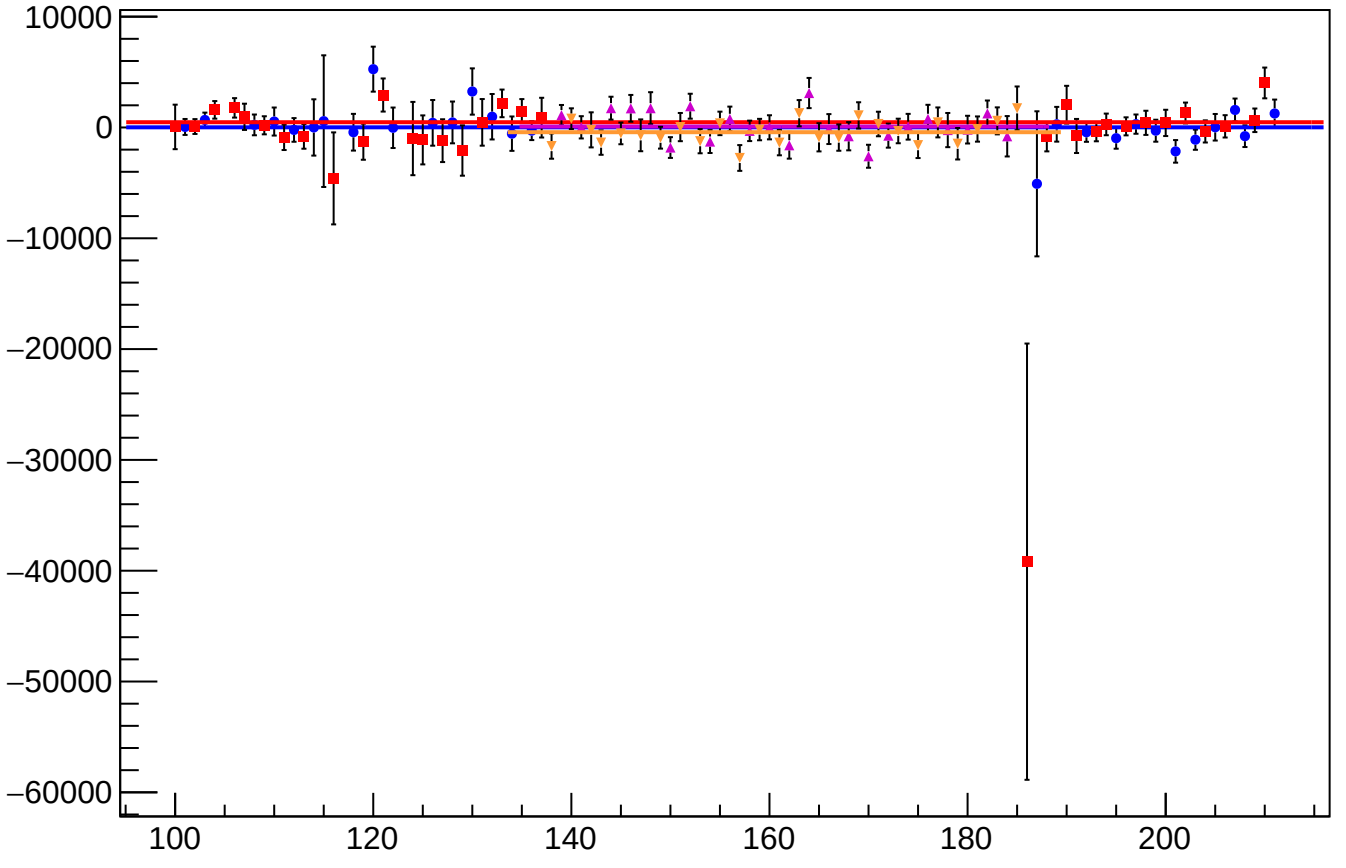
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 128.033+/-0.016 χ^2/NDF: 4582476.0/60

In: 146.282+/-0.018 χ^2/NDF:3579045.8/50

Out: 142.956+/-0.017 χ^2/NDF:5163118.1/57

All: 144.540+/-0.012 χ^2/NDF: 8760054.5/108



Right In: 13.163+/-216.006 χ^2/NDF: 23.2/27

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 473.818+/-203.266 χ^2/NDF: 34.5/32

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

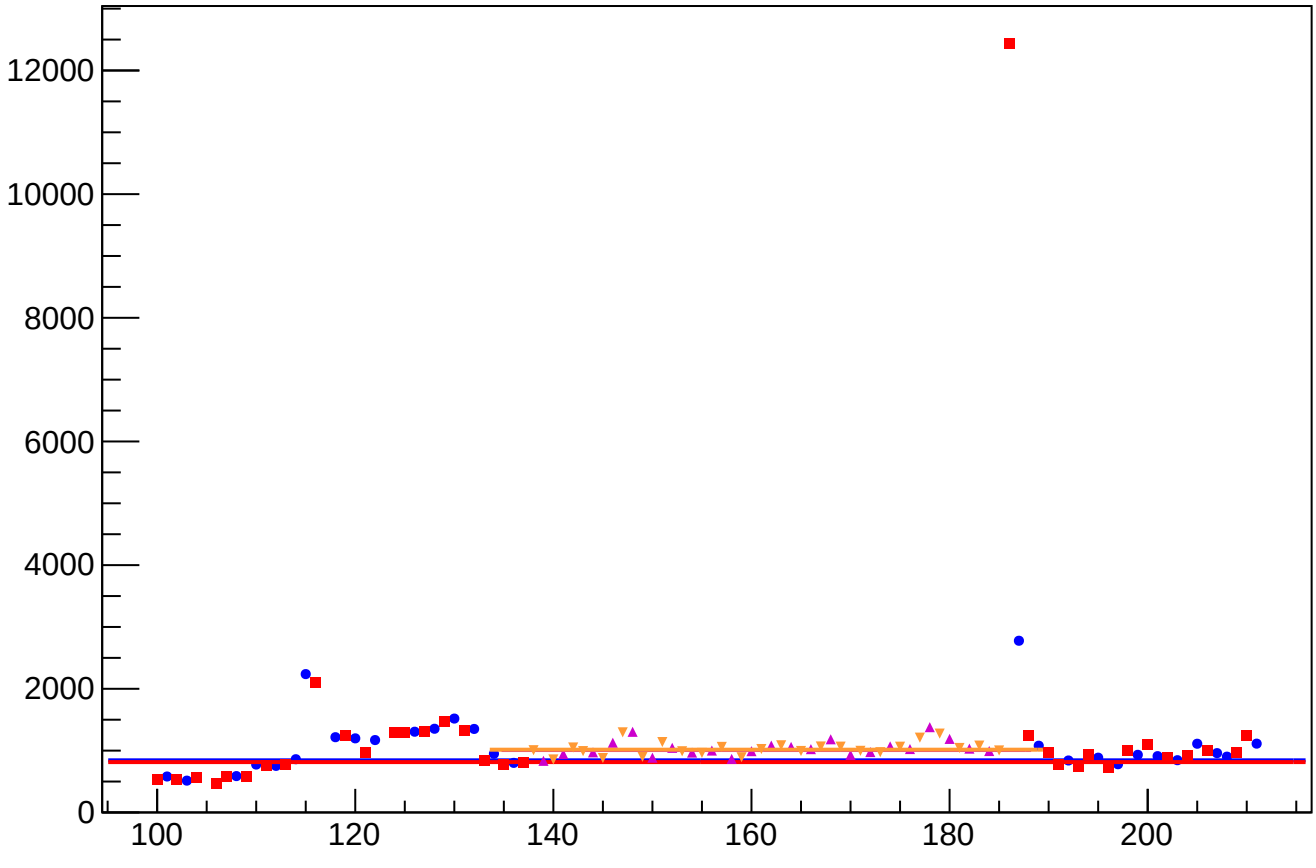
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 257.476+/-148.030 χ^2/NDF: 60.1/60

In: 46.257+/-159.998 χ^2/NDF:55.7/50

Out: 84.199+/-153.046 χ^2/NDF:61.3/57

All: 66.070+/-110.596 χ^2/NDF: 117.0/108



Right In: 843.125+/-0.153 χ^2/NDF: 2341020.1/27

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 814.518+/-0.144 χ^2/NDF: 3548361.2/32

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

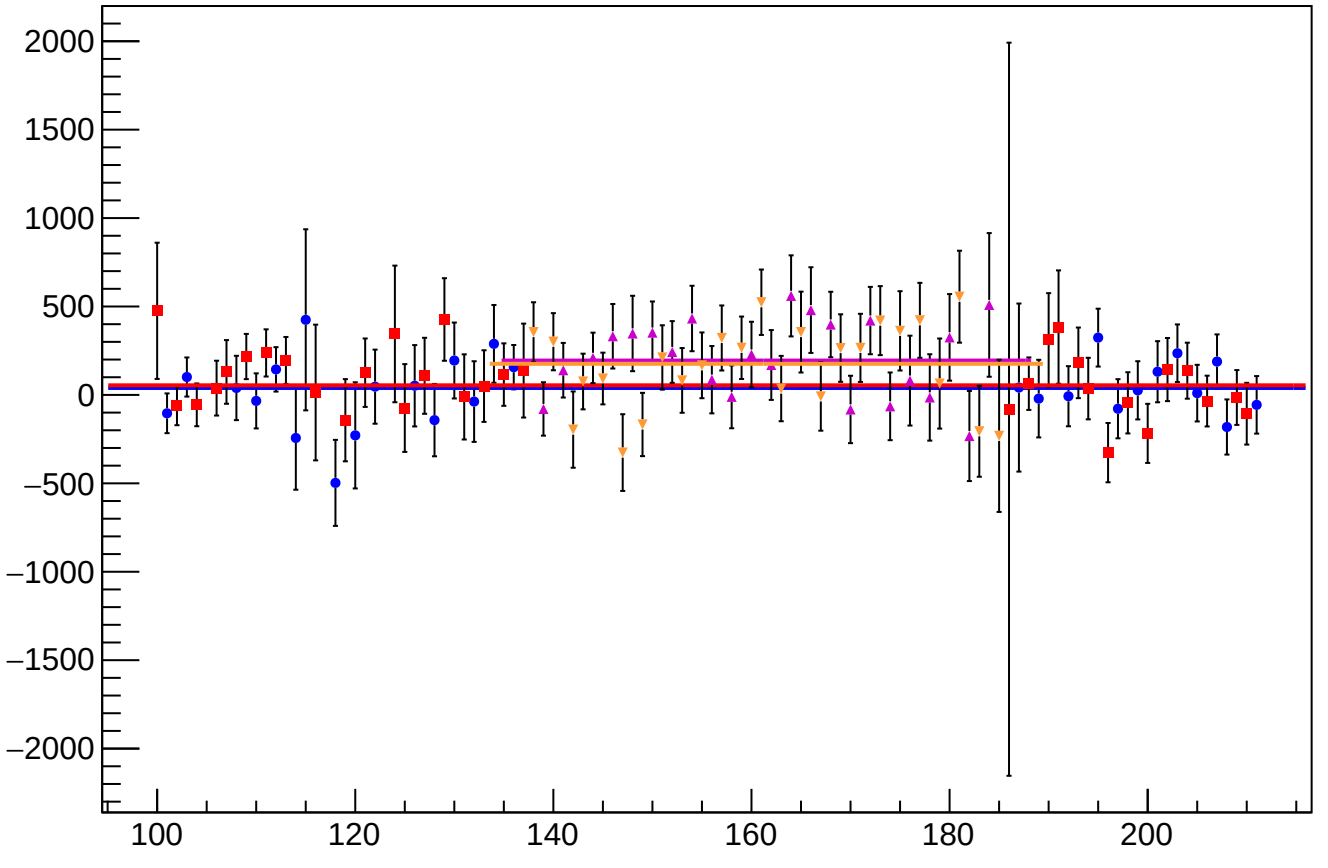
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 827.953+/-0.105 χ^2/NDF: 5907986.3/60

In: 918.296+/-0.113 χ^2/NDF:3376442.3/50

Out: 901.363+/-0.108 χ^2/NDF:4789328.5/57

All: 909.454+/-0.078 χ^2/NDF: 8177467.5/108



Right In: 39.410+/-32.771 χ^2/NDF: 22.4/27

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 54.265+/-31.079 χ^2/NDF: 25.1/32

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

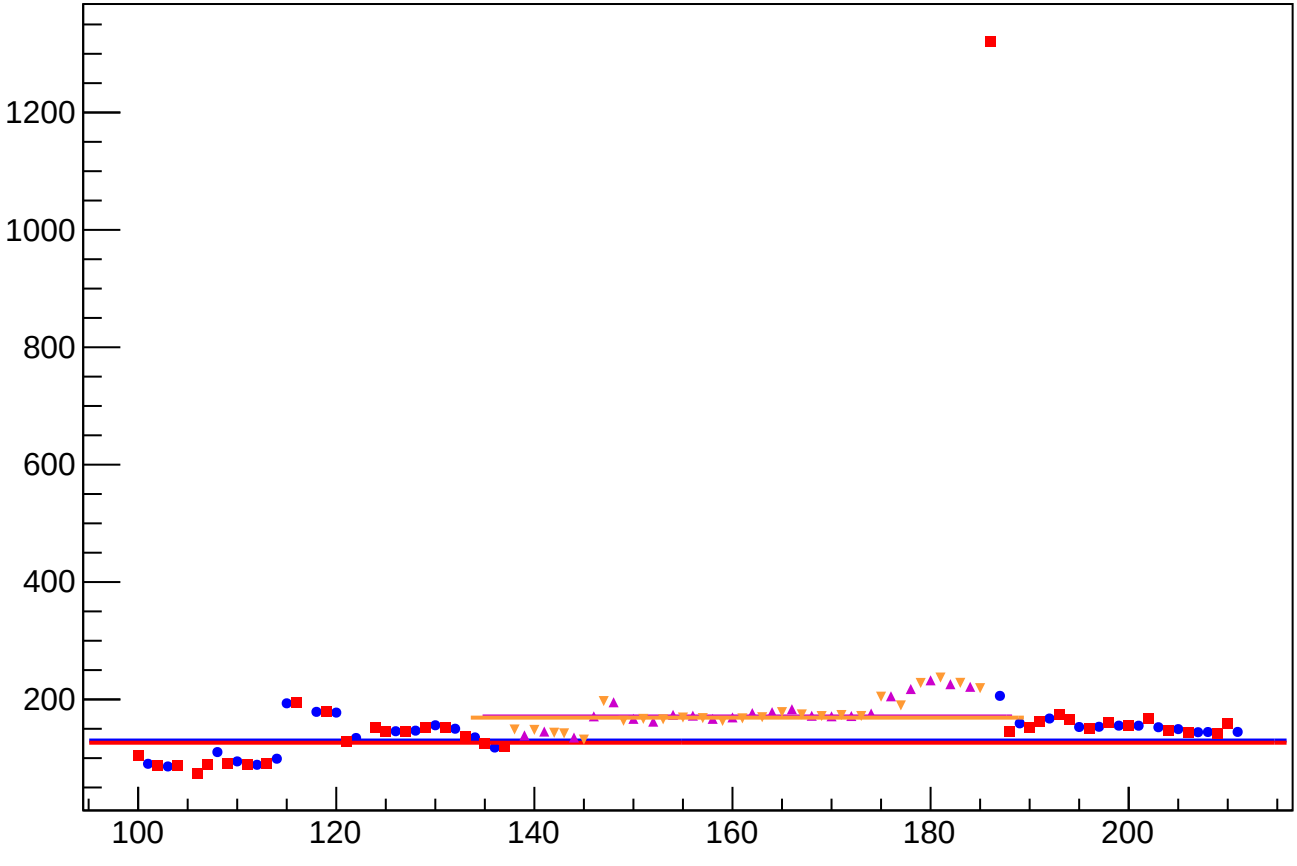
Right: 47.231+/-22.551 χ^2/NDF: 47.5/60

In: 100.920+/-25.447 χ^2/NDF:55.1/50

Out: 101.793+/-24.266 χ^2/NDF:61.8/57

All: 101.377+/-17.561 χ^2/NDF: 116.9/108

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.990+/-0.023 χ^2/NDF: 1656096.7/27

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 126.272+/-0.022 χ^2/NDF: 2912838.0/32

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

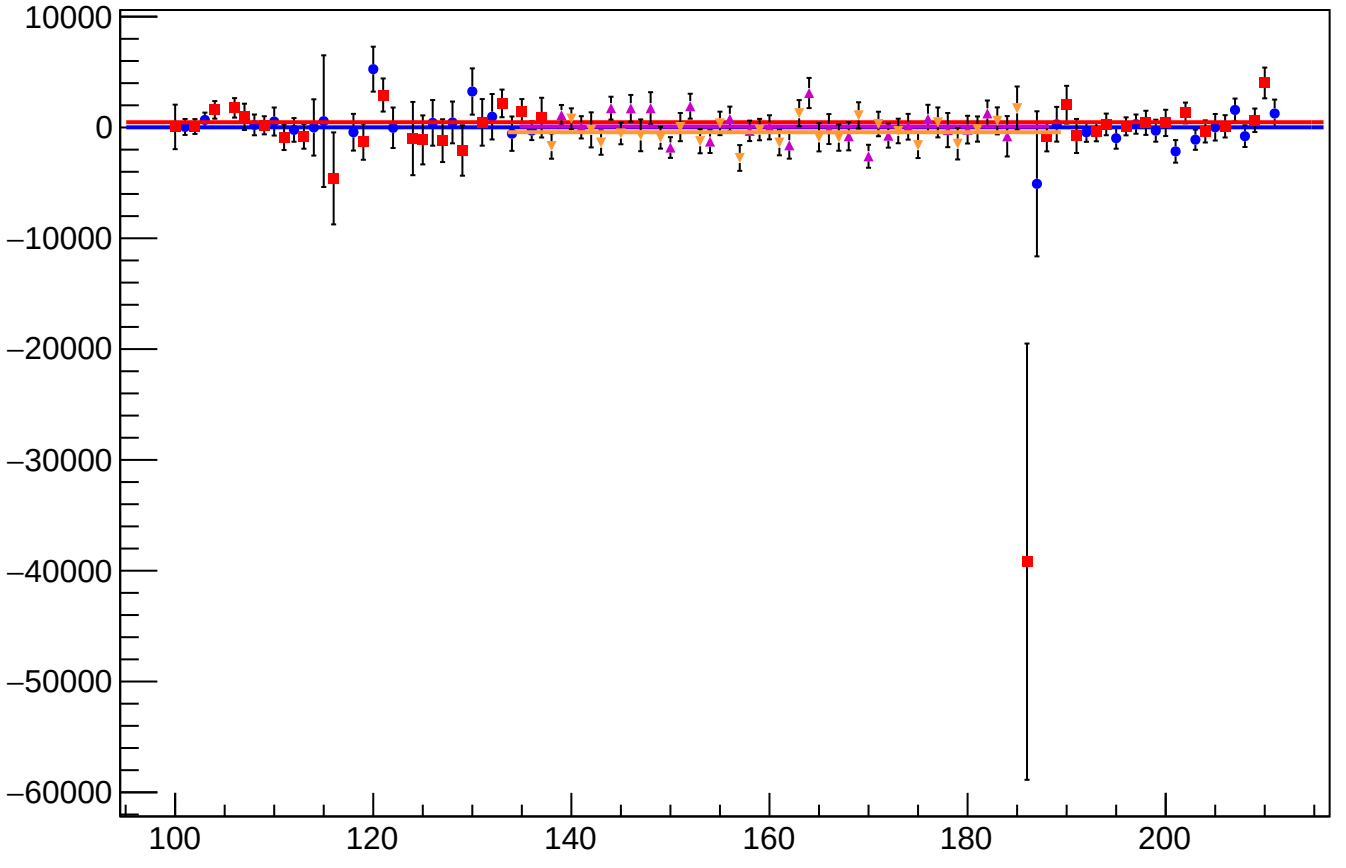
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 128.032+/-0.016 χ^2/NDF: 4582485.9/60

In: 146.282+/-0.018 χ^2/NDF:3579074.8/50

Out: 142.956+/-0.017 χ^2/NDF:5163130.6/57

All: 144.540+/-0.012 χ^2/NDF: 8760096.0/108



Right In: 13.164+/-216.006 χ^2/NDF: 23.2/27

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 473.818+/-203.265 χ^2/NDF: 34.5/32

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

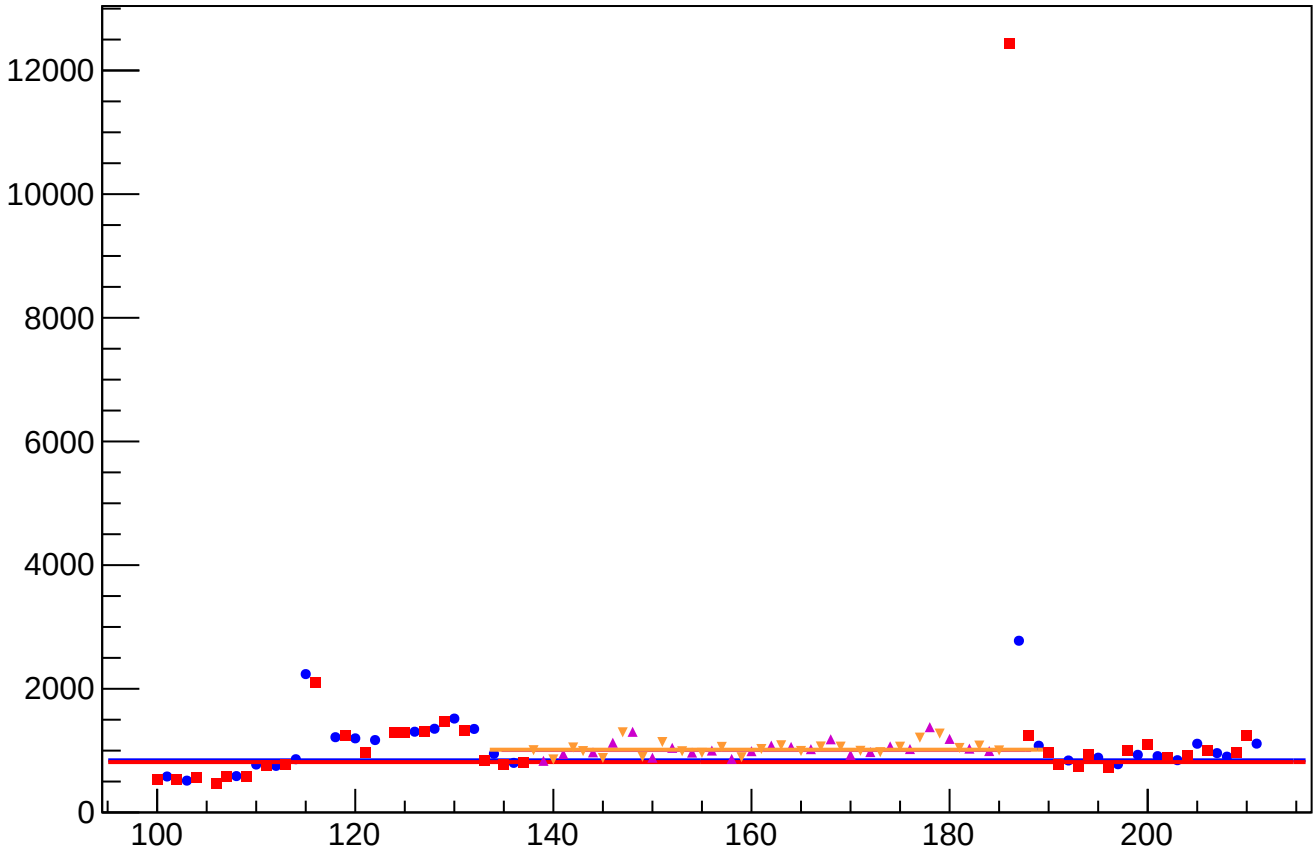
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 257.476+/-148.030 χ^2/NDF: 60.1/60

In: 46.258+/-159.998 χ^2/NDF:55.7/50

Out: 84.200+/-153.046 χ^2/NDF:61.3/57

All: 66.071+/-110.596 χ^2/NDF: 117.0/108



Right In: 843.124+/-0.153 χ^2/NDF: 2341021.8/27

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 814.517+/-0.144 χ^2/NDF: 3548367.5/32

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

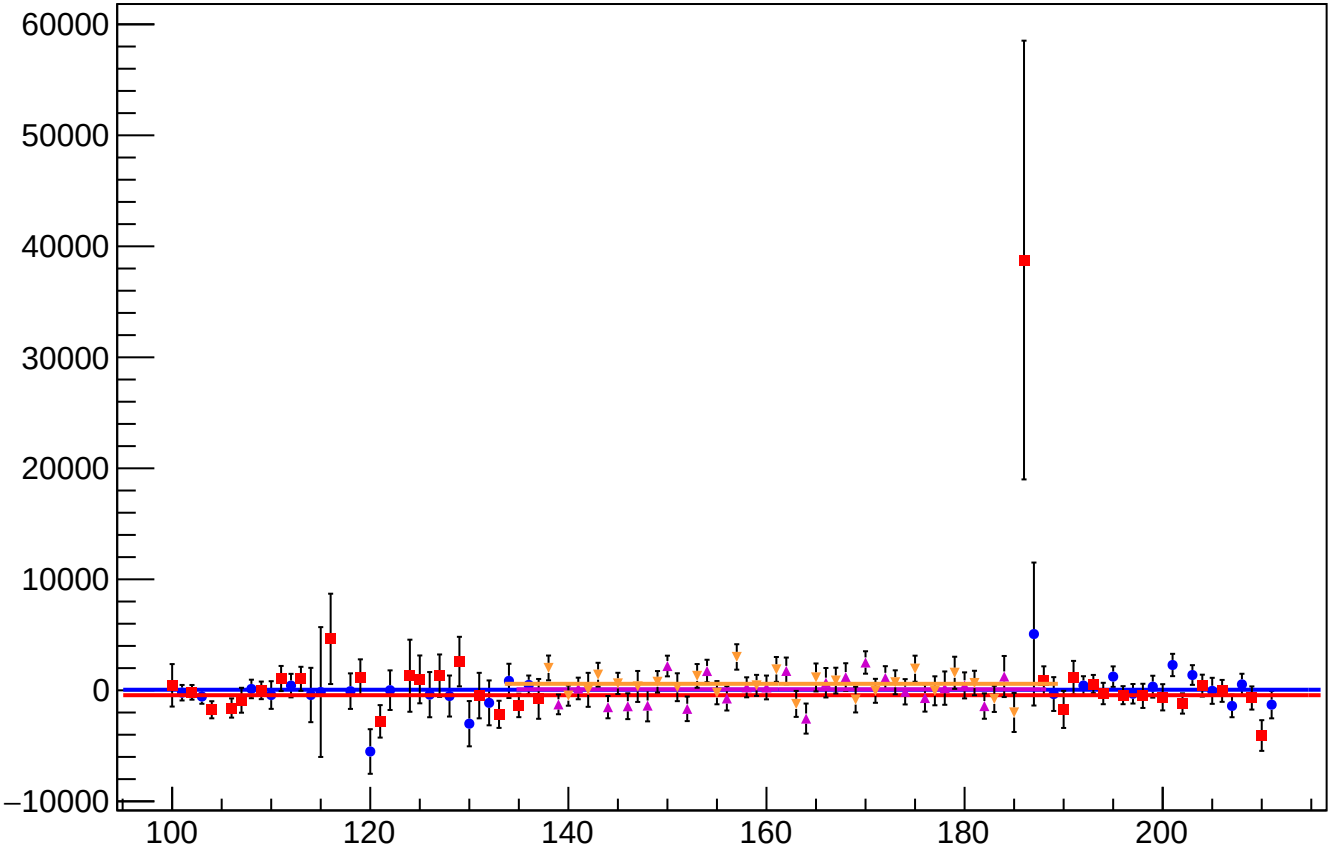
Right: 827.952+/-0.105 χ^2/NDF: 5907994.2/60

In: 918.296+/-0.113 χ^2/NDF:3376456.3/50

Out: 901.364+/-0.108 χ^2/NDF:4789345.6/57

All: 909.454+/-0.078 χ^2/NDF: 8177498.5/108

asym_sam5_mean vs Slug, Sign Corrected



Right In: 52.002+/-211.197 χ^2/NDF: 25.7/27

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -439.682+/-199.429 χ^2/NDF: 37.3/32

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

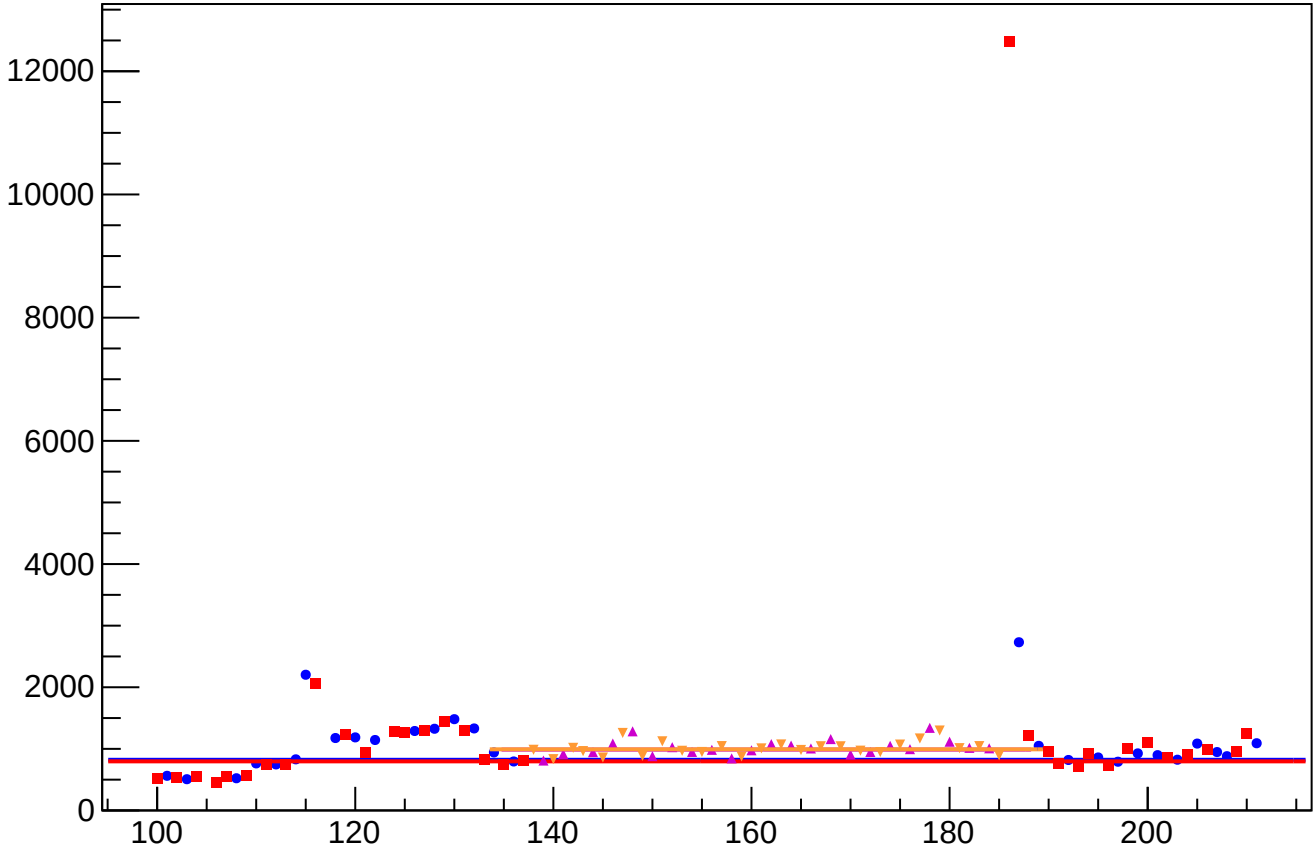
Right: -207.920+/-144.999 χ^2/NDF: 65.8/60

In: 70.351+/-156.486 χ^2/NDF:60.3/50

Out: 5.902+/-149.990 χ^2/NDF:69.5/57

All: 36.761+/-108.283 χ^2/NDF: 129.9/108

asym_sam5_rms vs Slug, Sign Corrected



Right In: 822.364+/-0.149 χ^2/NDF: 2452698.4/27

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 797.094+/-0.141 χ^2/NDF: 3650745.7/32

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

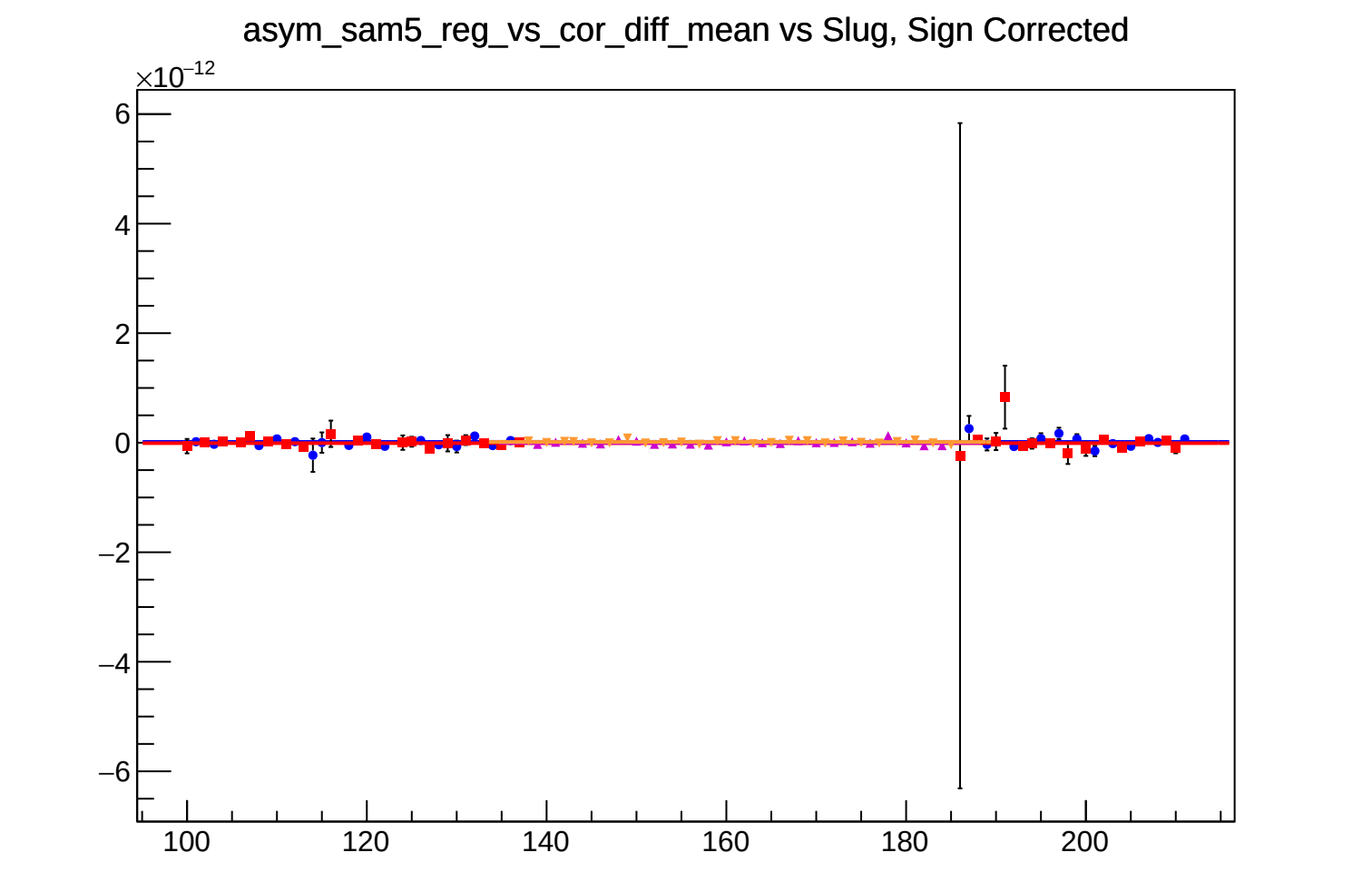
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 809.006+/-0.103 χ^2/NDF: 6118580.9/60

In: 896.967+/-0.111 χ^2/NDF:3493780.5/50

Out: 881.990+/-0.106 χ^2/NDF:4910065.9/57

All: 889.161+/-0.077 χ^2/NDF: 8413395.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 30.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/32

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

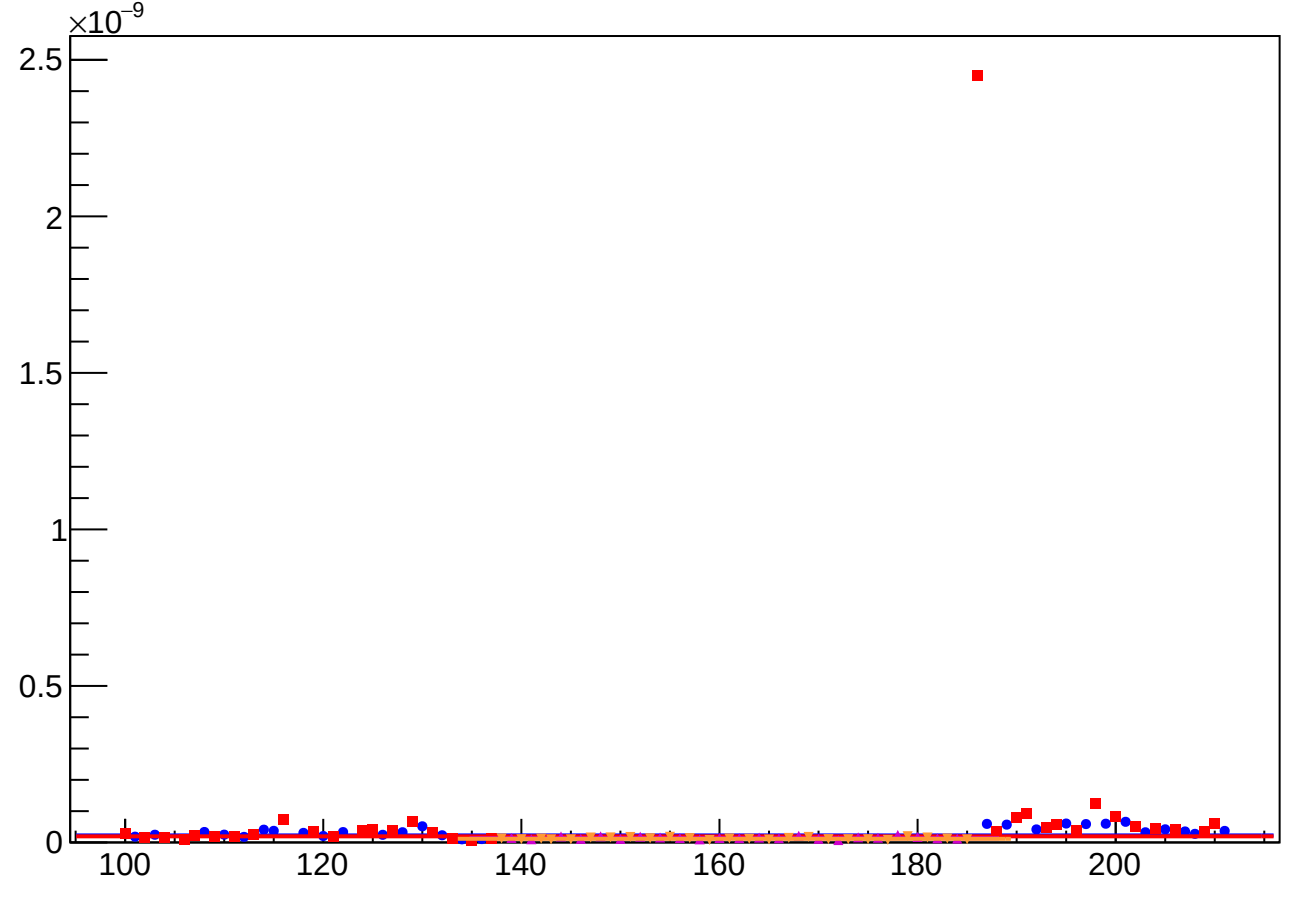
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 58.6/60

In: 0.000+/-0.000 χ^2/NDF:61.6/50

Out: 0.000+/-0.000 χ^2/NDF:52.6/57

All: 0.000+/-0.000 χ^2/NDF: 115.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 3814509.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6353325.0/32

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

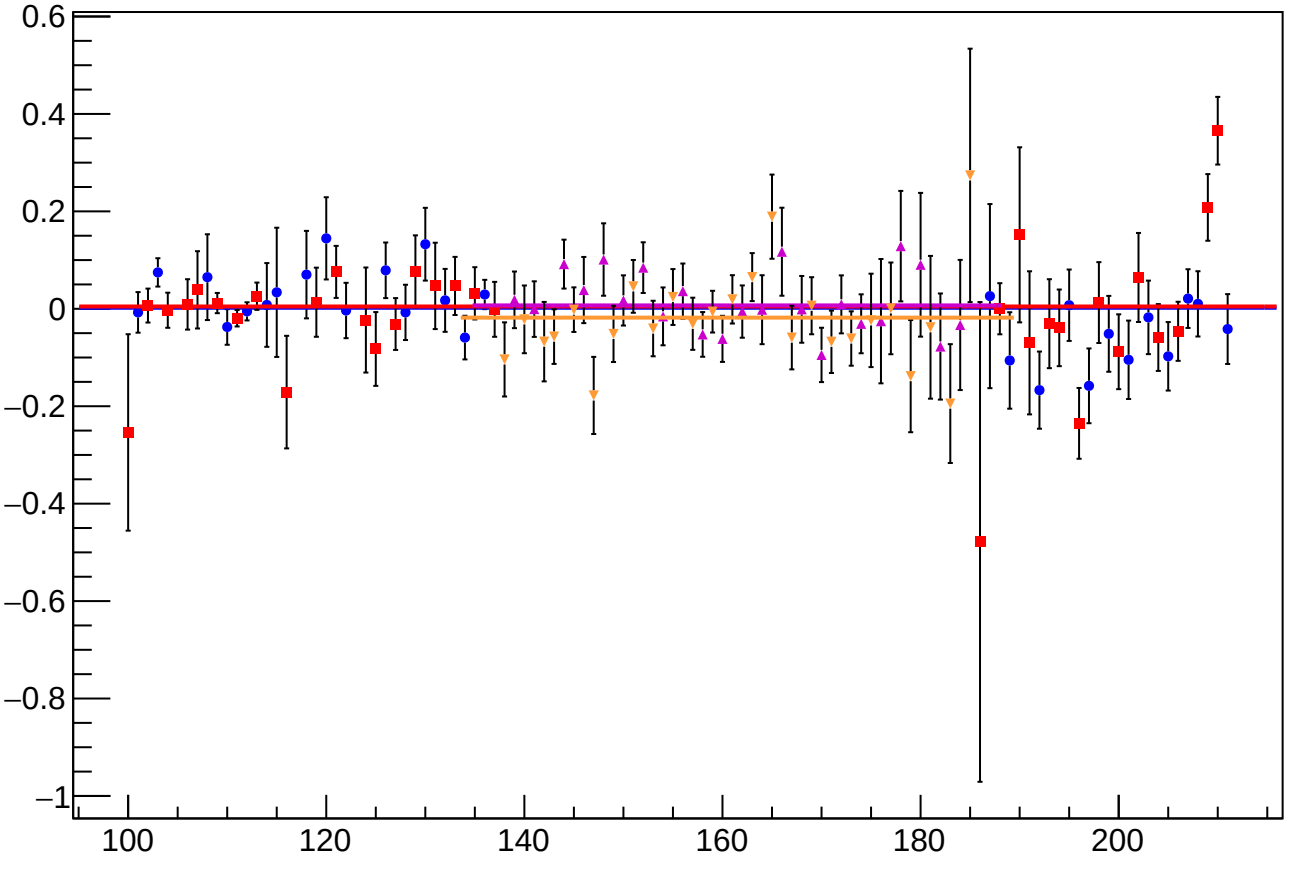
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10277069.1/60

In: 0.000+/-0.000 χ^2/NDF:6075693.8/50

Out: 0.000+/-0.000 χ^2/NDF:8405368.5/57

All: 0.000+/-0.000 χ^2/NDF: 14728521.8/108



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 65.1/32

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

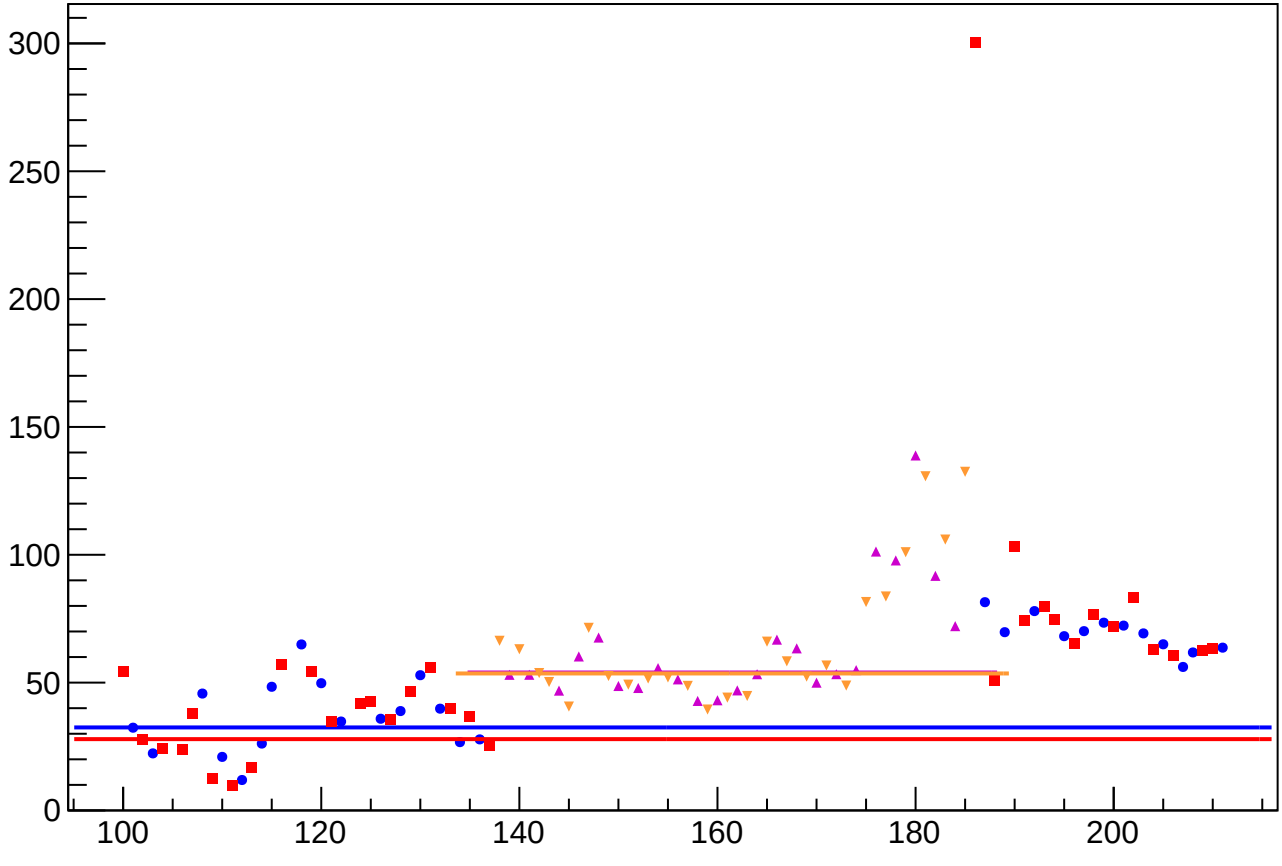
Right: 0.004+/-0.006 χ^2/NDF: 99.3/60

In: 0.004+/-0.008 χ^2/NDF:53.0/50

Out: -0.002+/-0.007 χ^2/NDF:91.6/57

All: 0.001+/-0.005 χ^2/NDF: 144.9/108

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.473+/-0.007 χ^2/NDF: 8651019.9/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 27.897+/-0.006 χ^2/NDF: 12522522.1/32

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

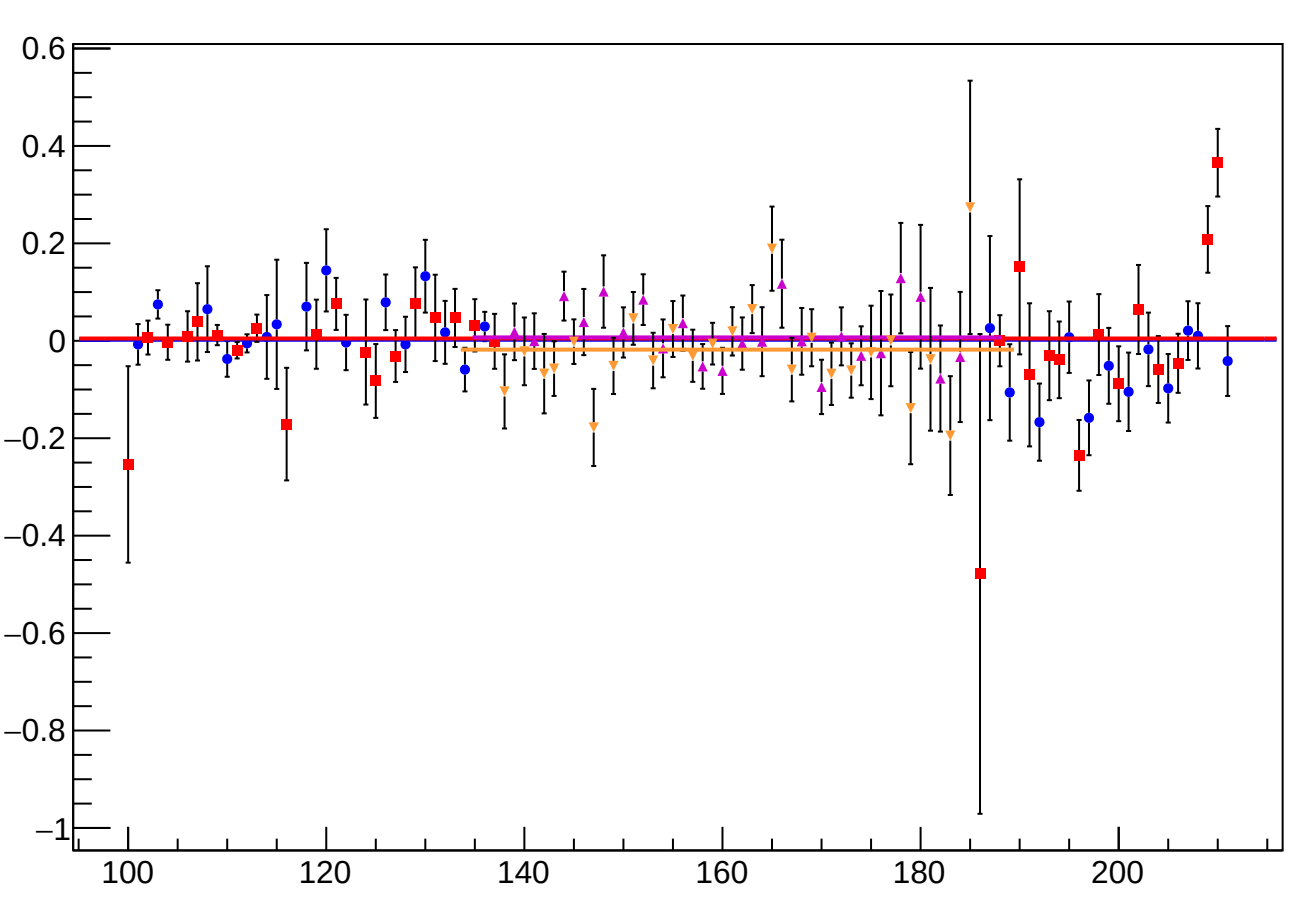
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.906+/-0.004 χ^2/NDF: 21430899.5/60

In: 39.864+/-0.005 χ^2/NDF:14171198.7/50

Out: 35.693+/-0.005 χ^2/NDF:20773030.0/57

All: 37.586+/-0.004 χ^2/NDF: 35261641.5/108



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 65.1/32

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

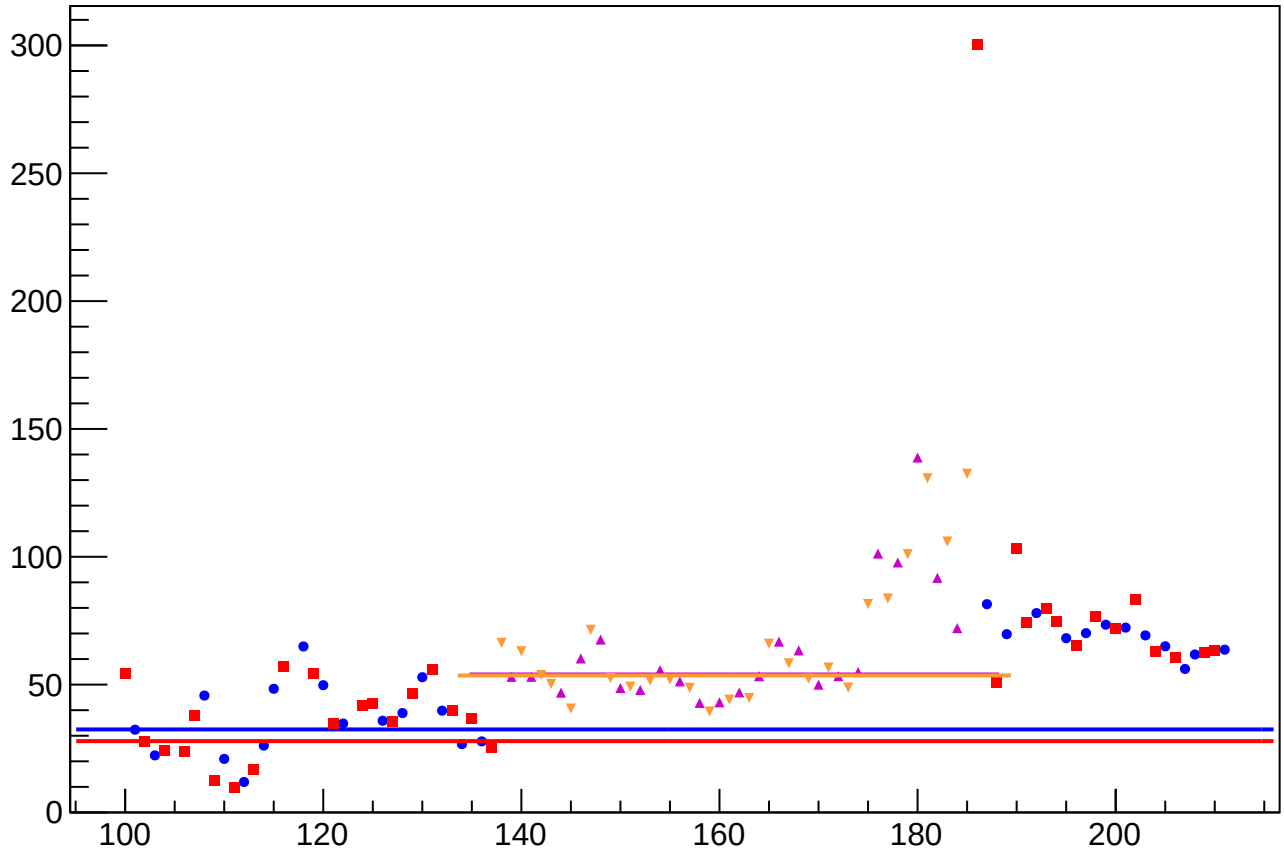
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.004+/-0.006 χ^2/NDF: 99.3/60

In: 0.004+/-0.008 χ^2/NDF:53.0/50

Out: -0.002+/-0.007 χ^2/NDF:91.6/57

All: 0.001+/-0.005 χ^2/NDF: 144.9/108



Right In: 32.473+/-0.007 χ^2/NDF: 8651019.9/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 27.897+/-0.006 χ^2/NDF: 12522522.1/32

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

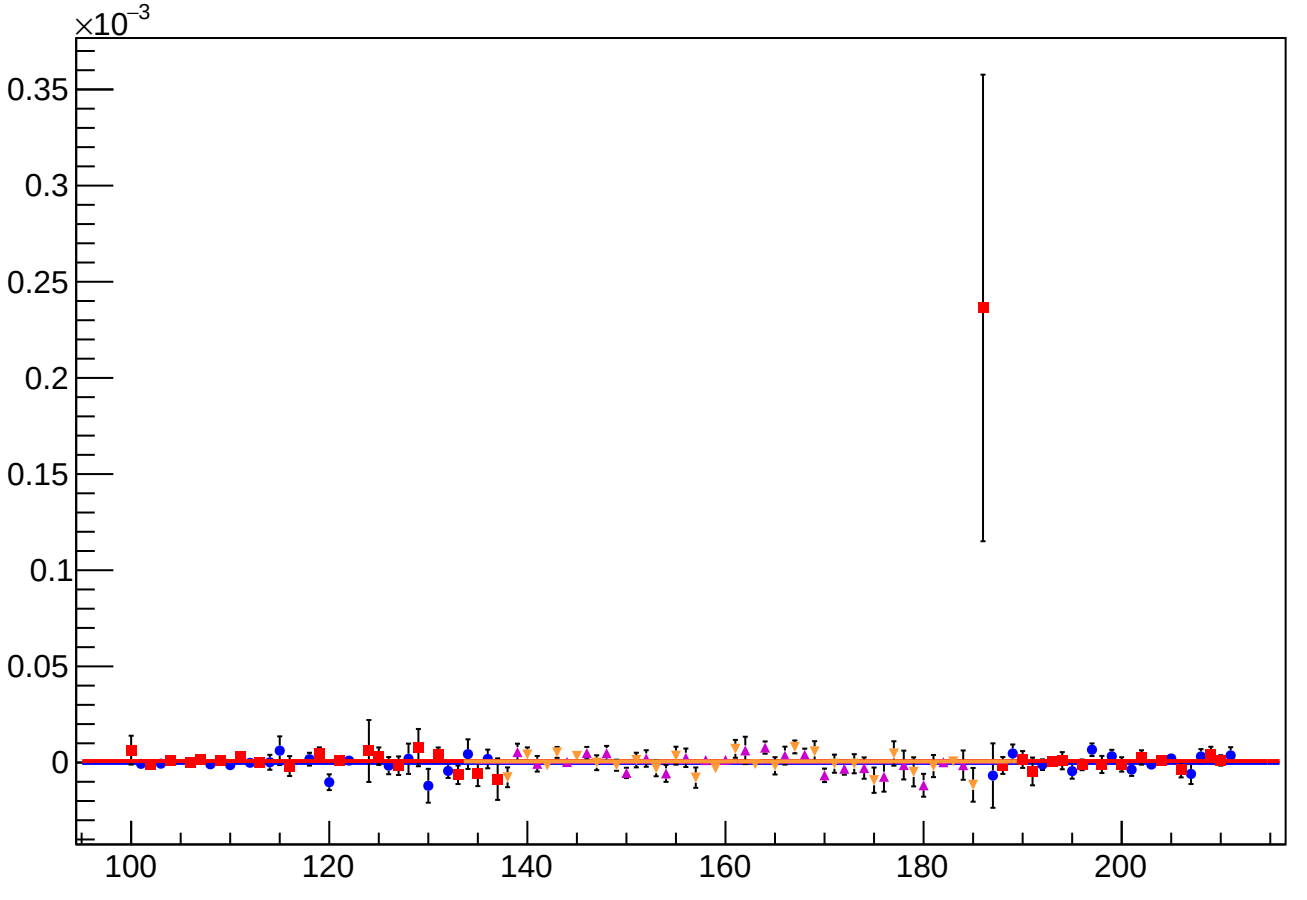
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.906+/-0.004 χ^2/NDF: 21430899.5/60

In: 39.864+/-0.005 χ^2/NDF:14171198.7/50

Out: 35.693+/-0.005 χ^2/NDF:20773030.0/57

All: 37.586+/-0.004 χ^2/NDF: 35261641.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/32

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

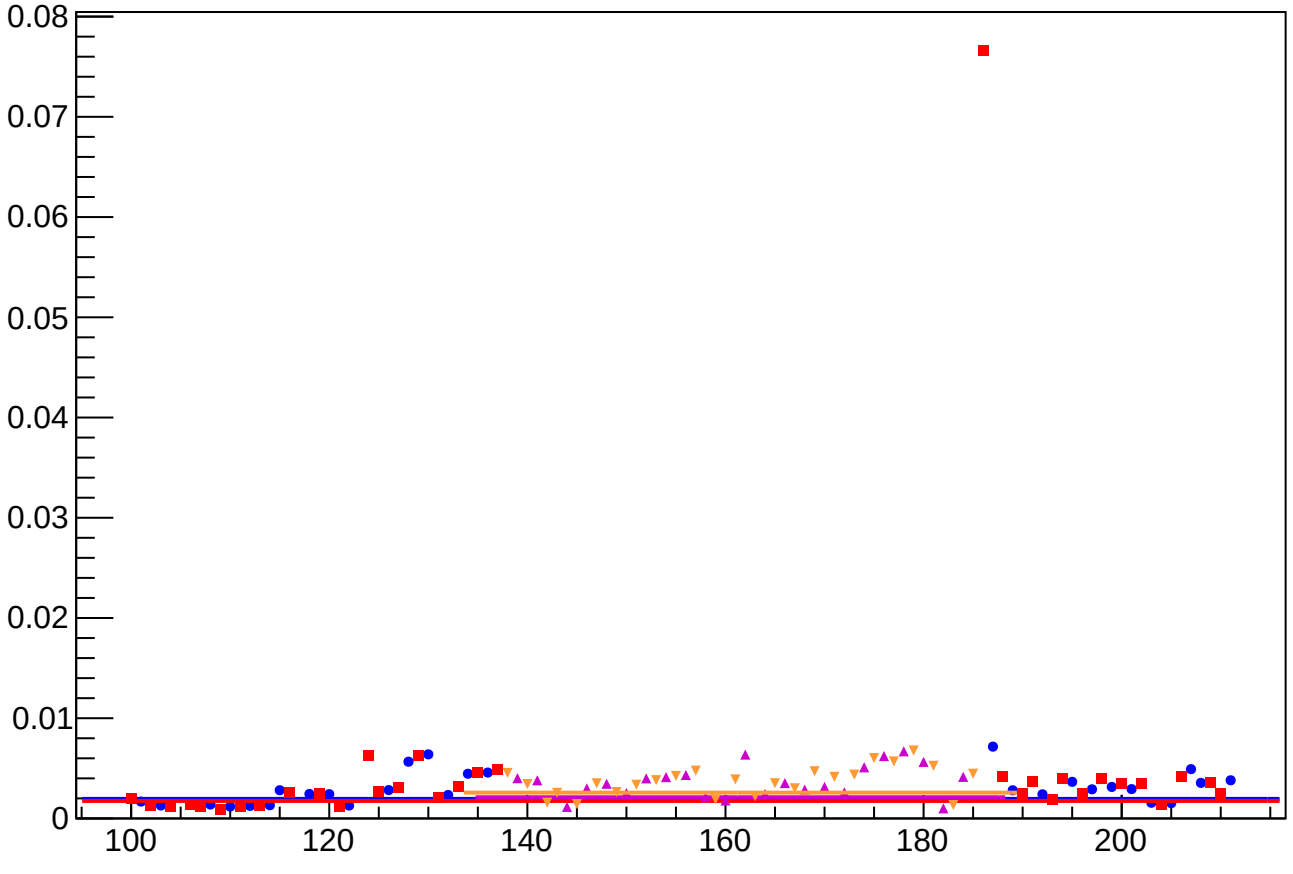
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 46.8/60

In: 0.000+/-0.000 χ^2/NDF:56.9/50

Out: 0.000+/-0.000 χ^2/NDF:50.6/57

All: 0.000+/-0.000 χ^2/NDF: 108.8/108



Right In: 0.002+/-0.000 χ^2/NDF: 6131551.4/27

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8558210.0/32

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

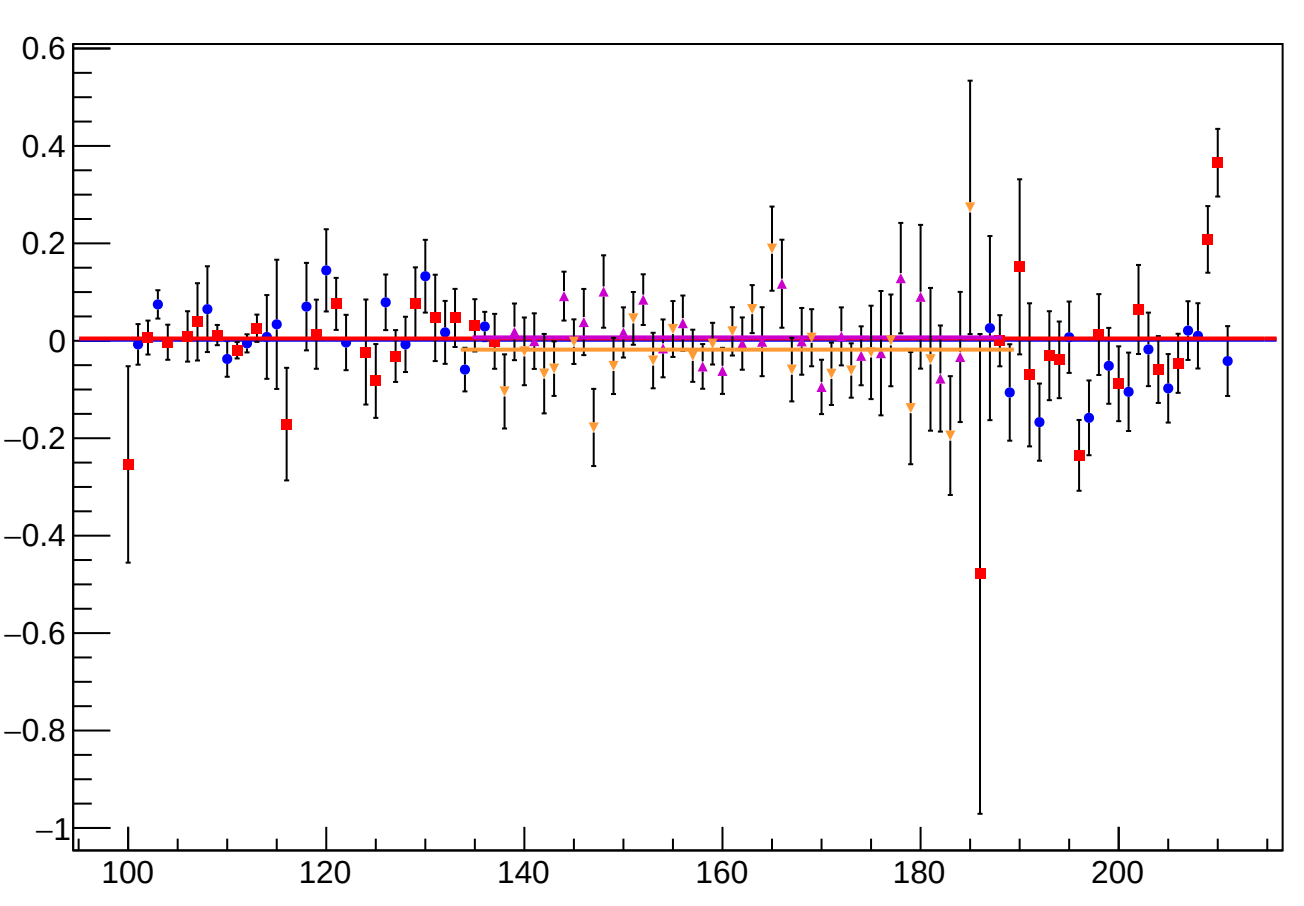
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 14843842.9/60

In: 0.002+/-0.000 χ^2/NDF:15700075.7/50

Out: 0.002+/-0.000 χ^2/NDF:17710620.3/57

All: 0.002+/-0.000 χ^2/NDF: 33411087.1/108



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 65.1/32

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

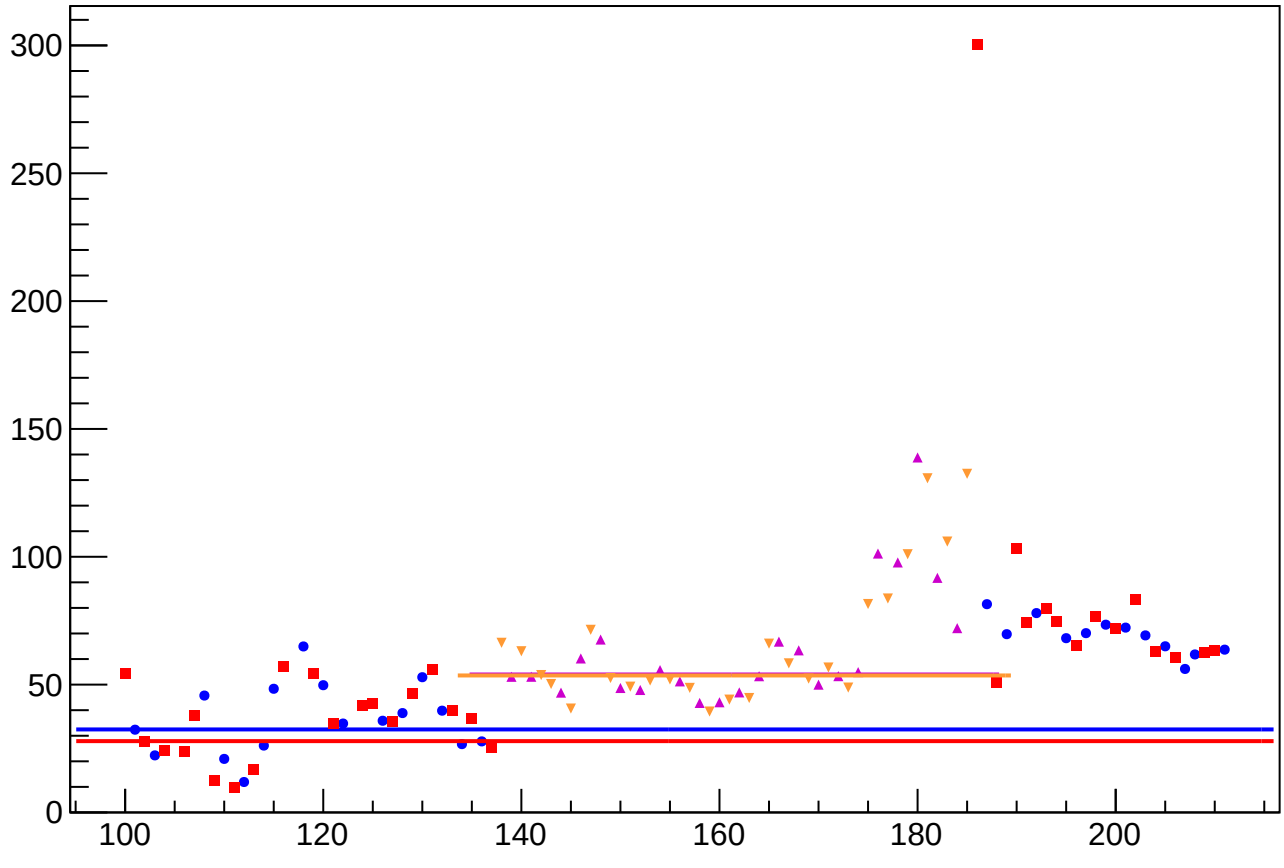
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.004+/-0.006 χ^2/NDF: 99.3/60

In: 0.004+/-0.008 χ^2/NDF:53.0/50

Out: -0.002+/-0.007 χ^2/NDF:91.6/57

All: 0.001+/-0.005 χ^2/NDF: 144.9/108



Right In: 32.472+/-0.007 χ^2/NDF: 8651129.6/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 27.897+/-0.006 χ^2/NDF: 12522725.6/32

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

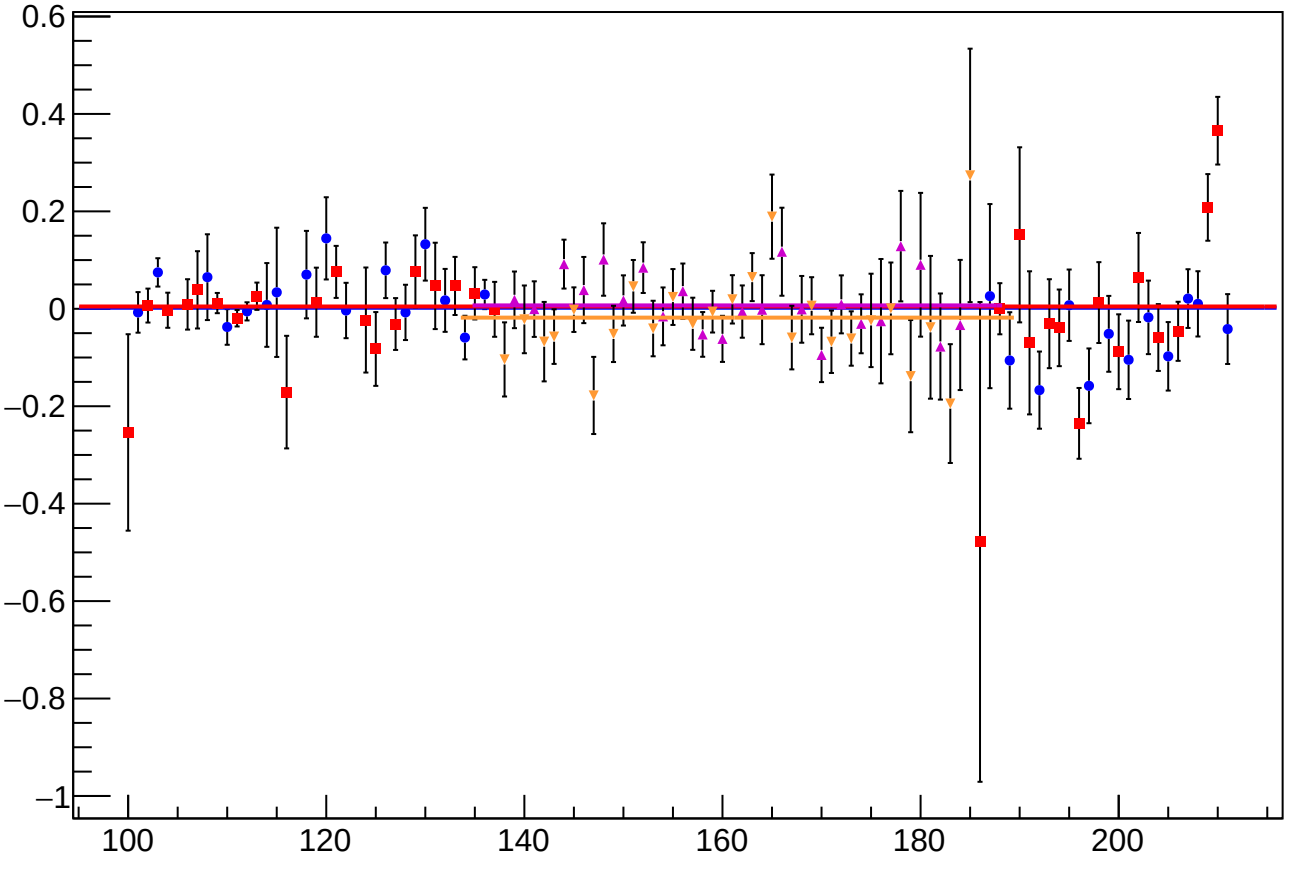
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 29.905+/-0.004 χ^2/NDF: 21431225.3/60

In: 39.864+/-0.005 χ^2/NDF:14171691.3/50

Out: 35.693+/-0.005 χ^2/NDF:20773738.0/57

All: 37.585+/-0.004 χ^2/NDF: 35262863.5/108



Right In: 0.002+/-0.010 χ^2/NDF: 34.2/27

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 65.1/32

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

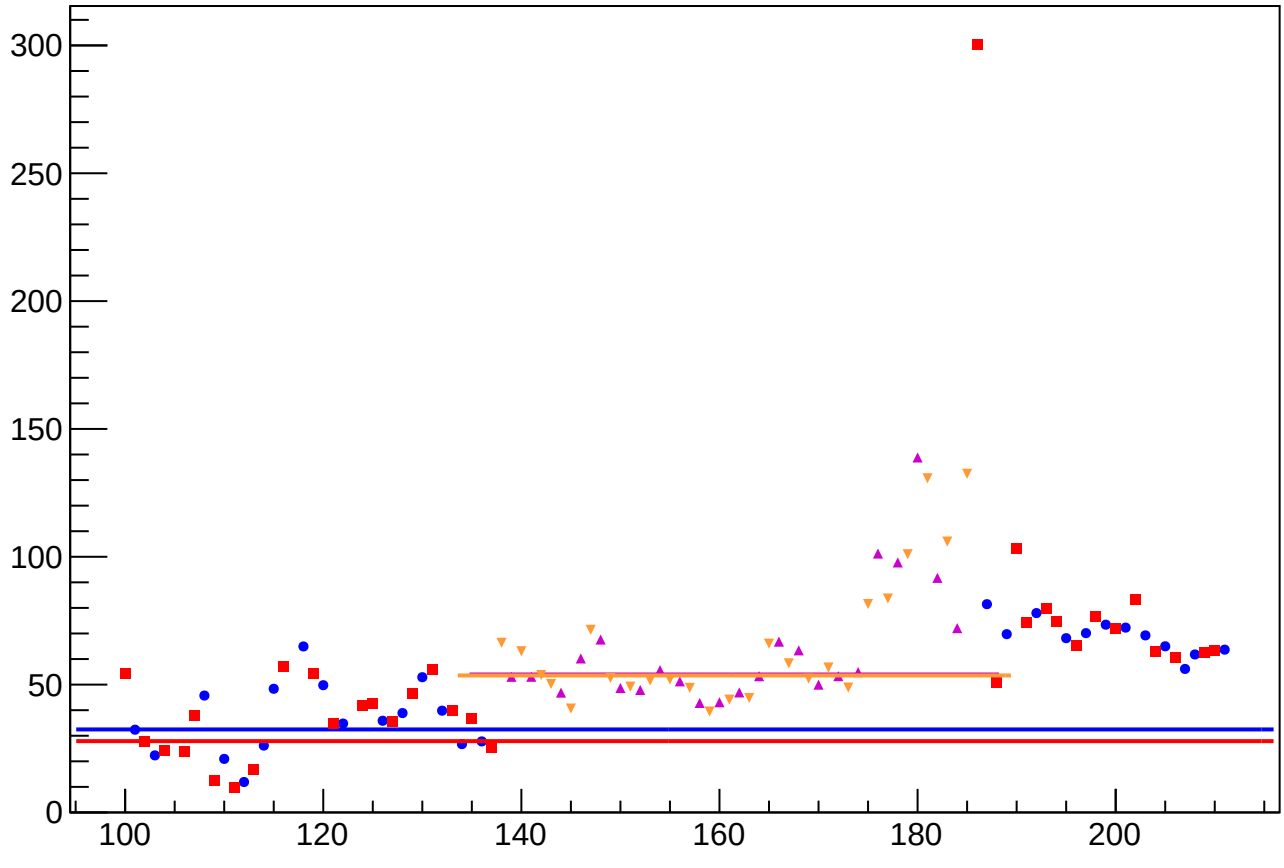
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.004+/-0.006 χ^2/NDF: 99.3/60

In: 0.004+/-0.008 χ^2/NDF:53.0/50

Out: -0.002+/-0.007 χ^2/NDF:91.6/57

All: 0.001+/-0.005 χ^2/NDF: 144.9/108



Right In: 32.472+/-0.007 χ^2/NDF: 8651129.6/27

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 27.897+/-0.006 χ^2/NDF: 12522725.6/32

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

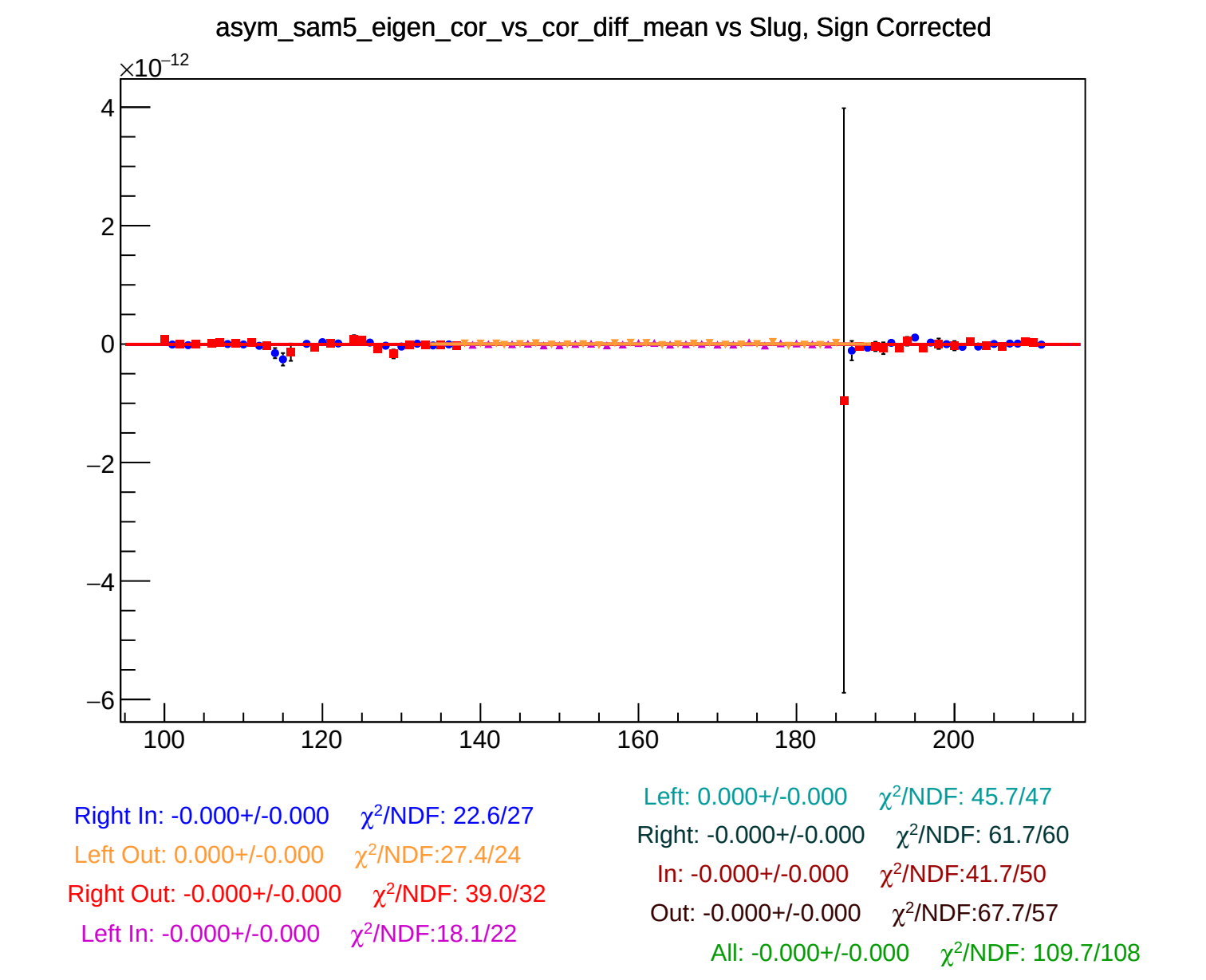
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

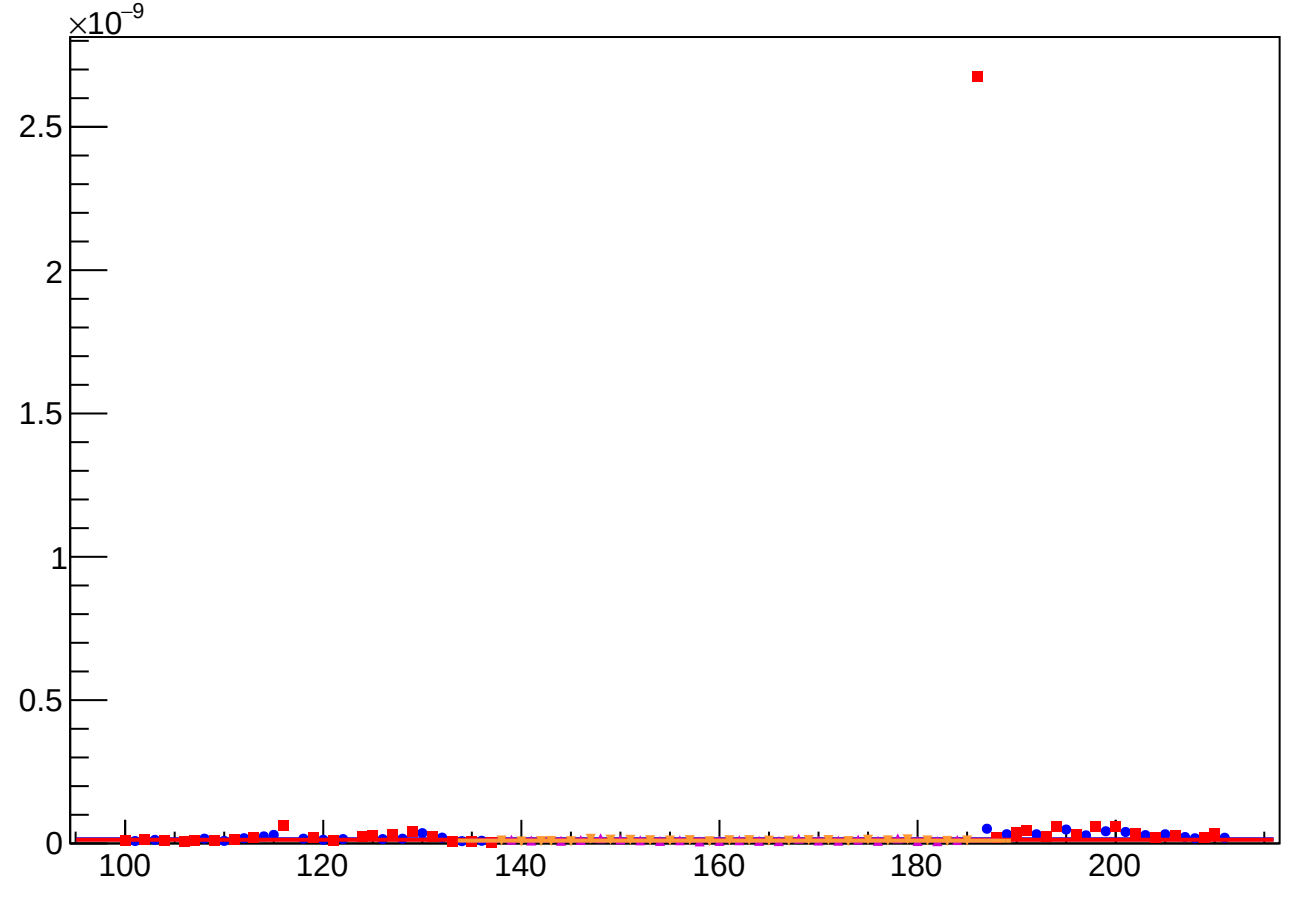
Right: 29.905+/-0.004 χ^2/NDF: 21431225.3/60

In: 39.864+/-0.005 χ^2/NDF:14171691.3/50

Out: 35.693+/-0.005 χ^2/NDF:20773738.0/57

All: 37.585+/-0.004 χ^2/NDF: 35262863.5/108


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.6/27
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.0/32
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 61.7/60
In: -0.000+/-0.000 χ²/NDF:41.7/50
Out: -0.000+/-0.000 χ²/NDF:67.7/57
All: -0.000+/-0.000 χ²/NDF: 109.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 5125956.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8583441.3/32

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

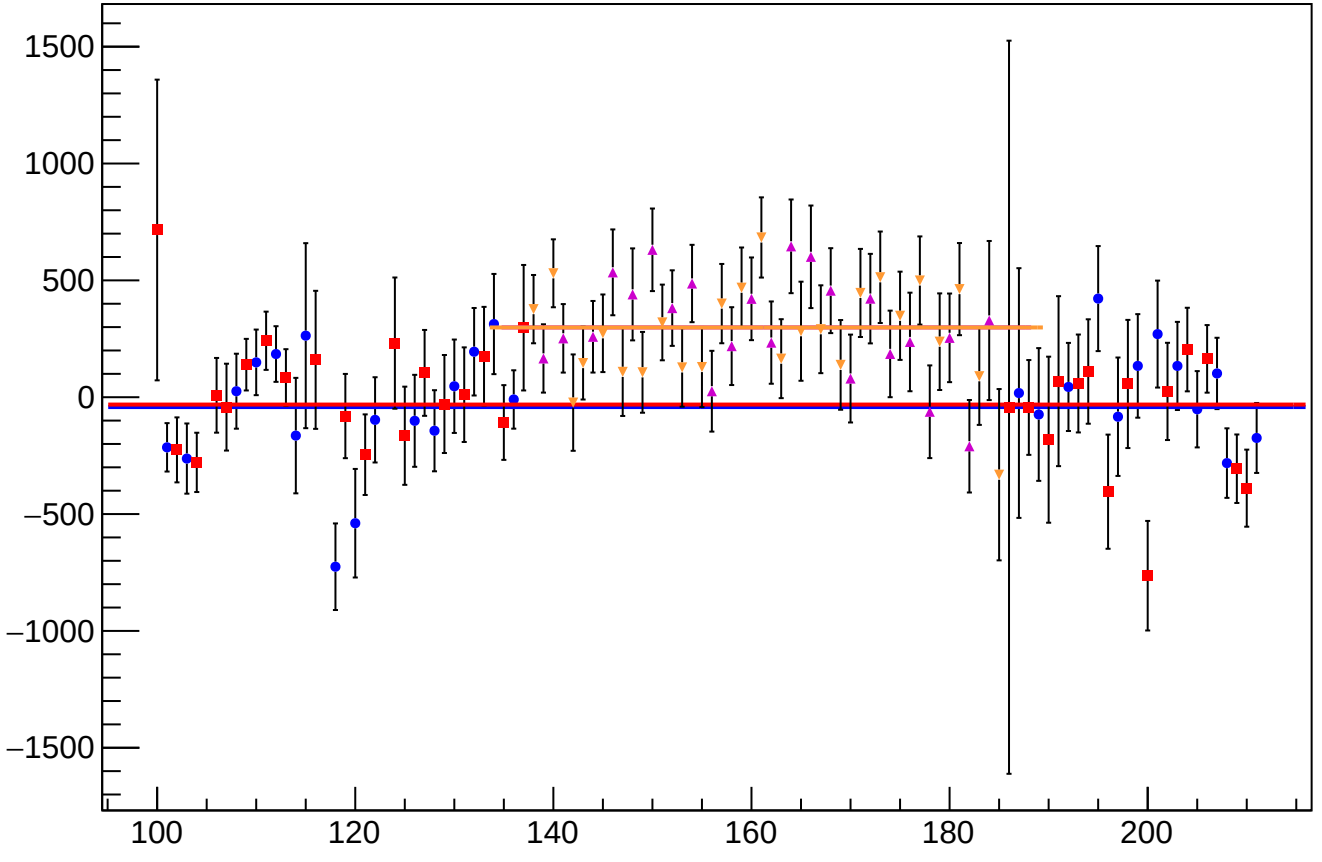
Right: 0.000+/-0.000 χ^2/NDF: 13841582.9/60

In: 0.000+/-0.000 χ^2/NDF:7567964.5/50

Out: 0.000+/-0.000 χ^2/NDF:10382963.2/57

All: 0.000+/-0.000 χ^2/NDF: 18026221.0/108

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.131+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -31.470+/-31.963 χ^2/NDF: 46.7/32

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

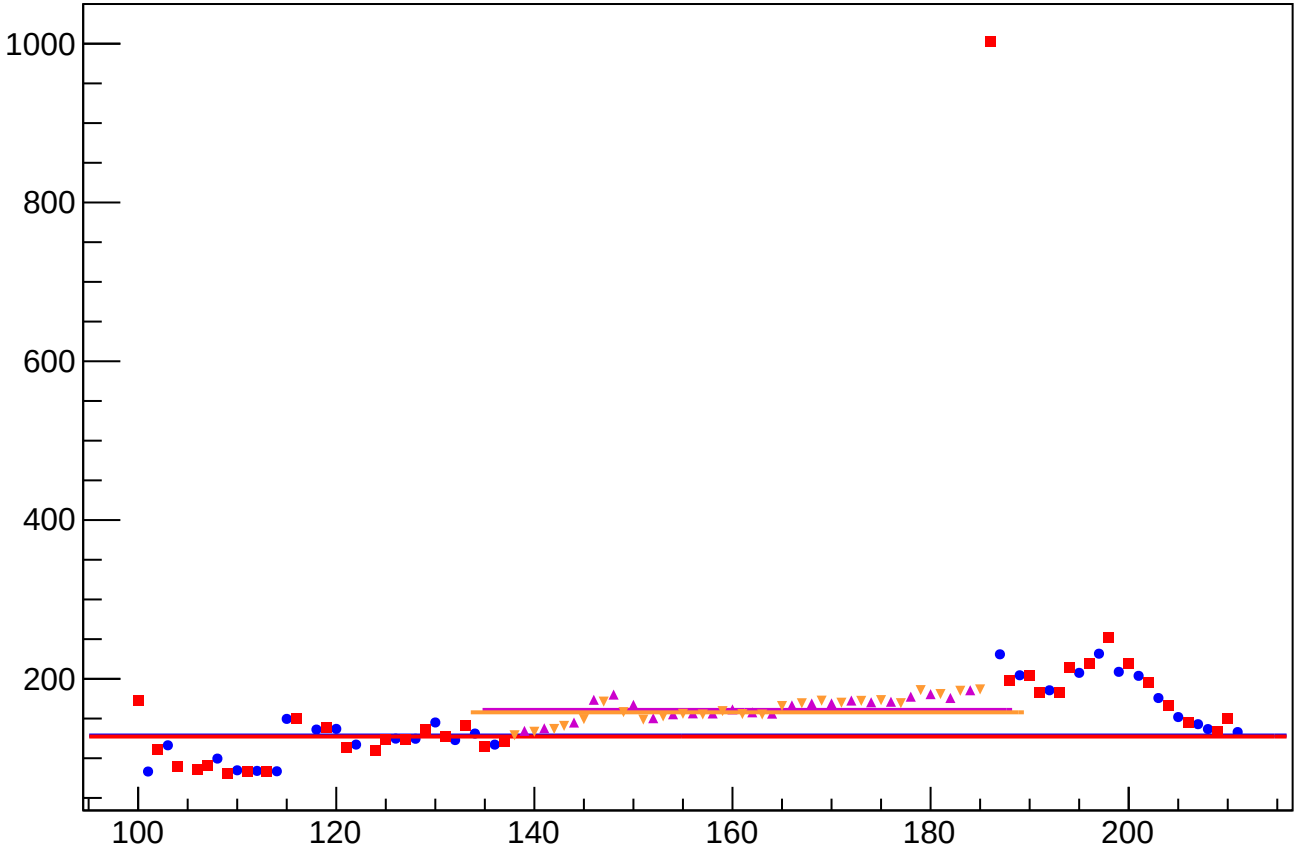
Right: -36.618+/-22.985 χ^2/NDF: 93.7/60

In: 105.988+/-24.871 χ^2/NDF:122.5/50

Out: 113.765+/-23.917 χ^2/NDF:119.6/57

All: 110.029+/-17.239 χ^2/NDF: 242.2/108

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.619+/-0.023 χ^2/NDF: 2703480.2/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.336+/-0.023 χ^2/NDF: 4201071.1/32

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

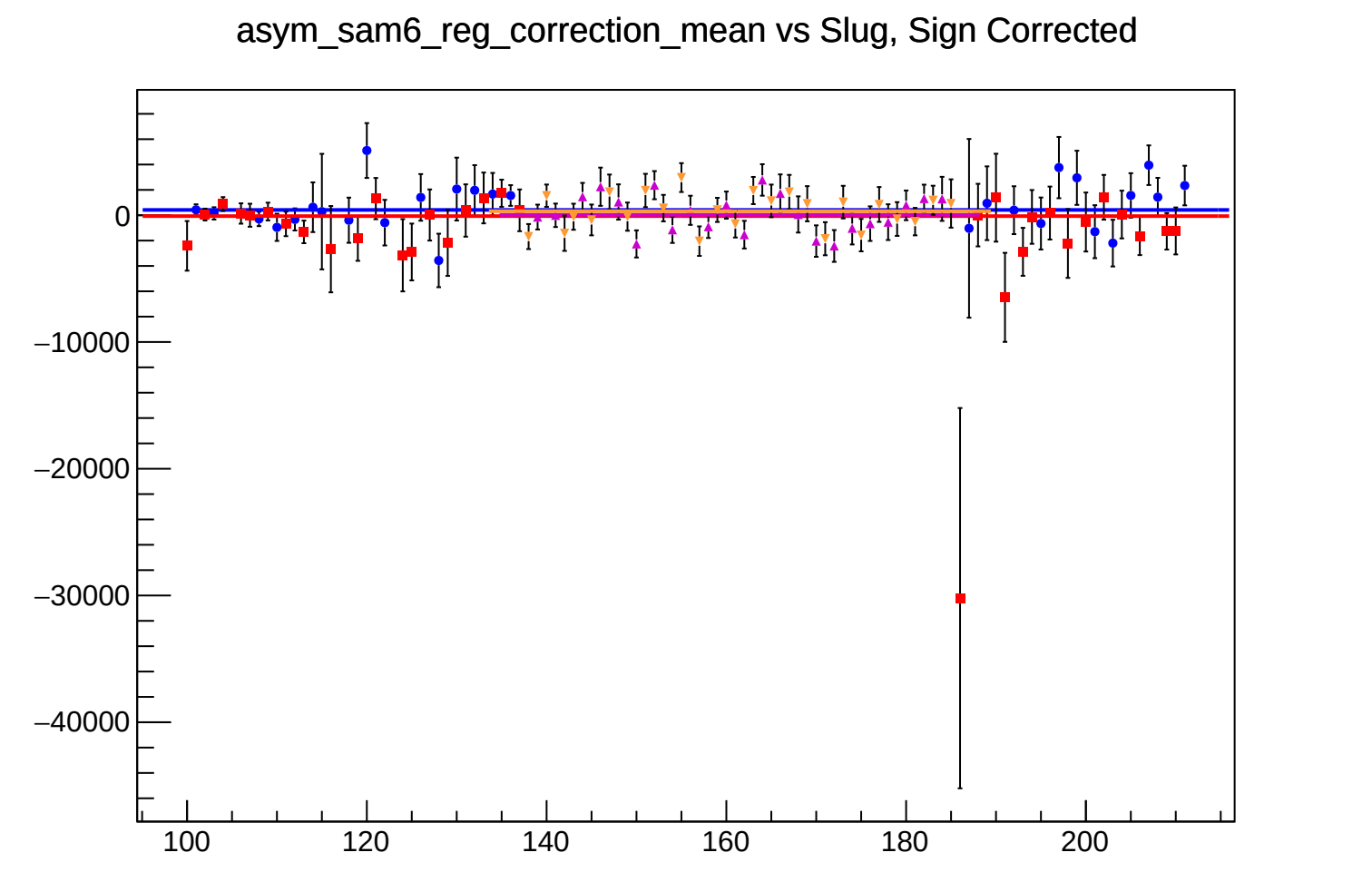
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.955+/-0.016 χ^2/NDF: 6906108.4/60

In: 142.638+/-0.018 χ^2/NDF:3798364.0/50

Out: 140.760+/-0.017 χ^2/NDF:5379792.5/57

All: 141.662+/-0.012 χ^2/NDF: 9184081.1/108



Right In: 419.151+/-213.490 χ^2/NDF: 30.7/27

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -67.738+/-214.401 χ^2/NDF: 29.8/32

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

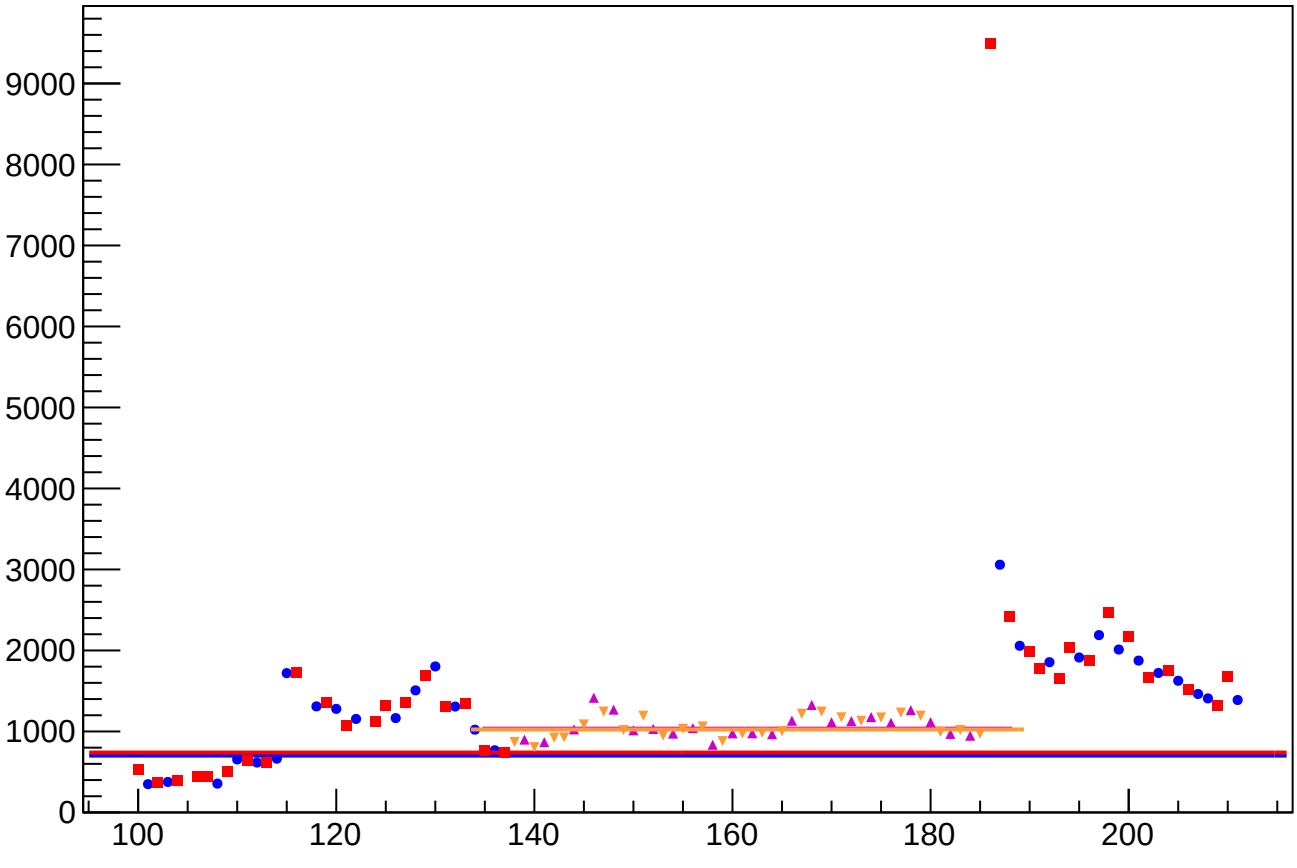
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 176.743+/-151.282 χ^2/NDF: 63.1/60

In: 254.520+/-160.716 χ^2/NDF:66.9/50

Out: 108.303+/-158.413 χ^2/NDF:63.8/57

All: 180.357+/-112.820 χ^2/NDF: 131.1/108



Right In: 702.021+/-0.151 χ^2/NDF: 11368756.9/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 739.419+/-0.152 χ^2/NDF: 12159057.9/32

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

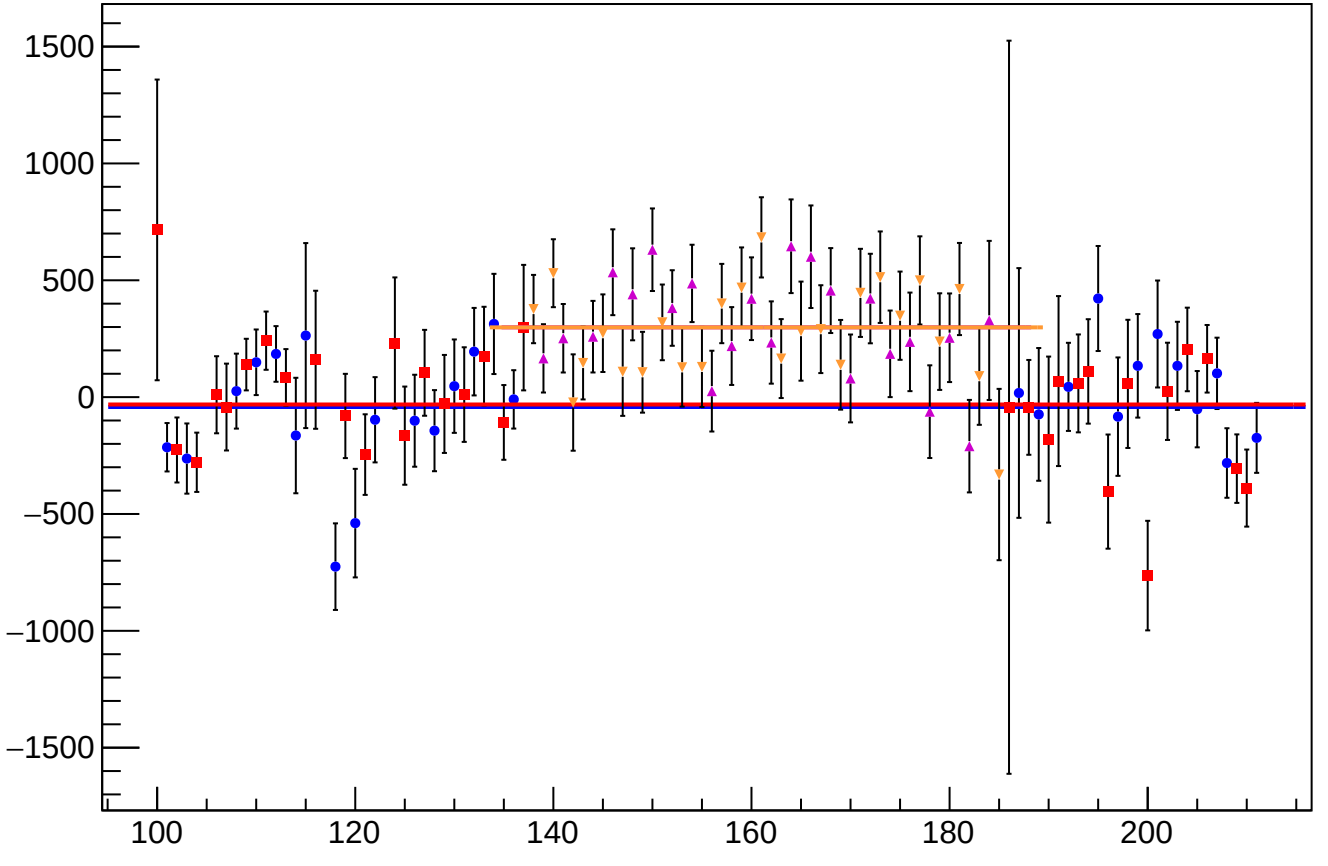
Right: 720.640+/-0.107 χ^2/NDF: 23558369.4/60

In: 846.050+/-0.114 χ^2/NDF:14098076.7/50

Out: 868.866+/-0.112 χ^2/NDF:14362250.7/57

All: 857.623+/-0.080 χ^2/NDF: 28480772.4/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.148+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -31.516+/-32.002 χ^2/NDF: 46.8/32

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

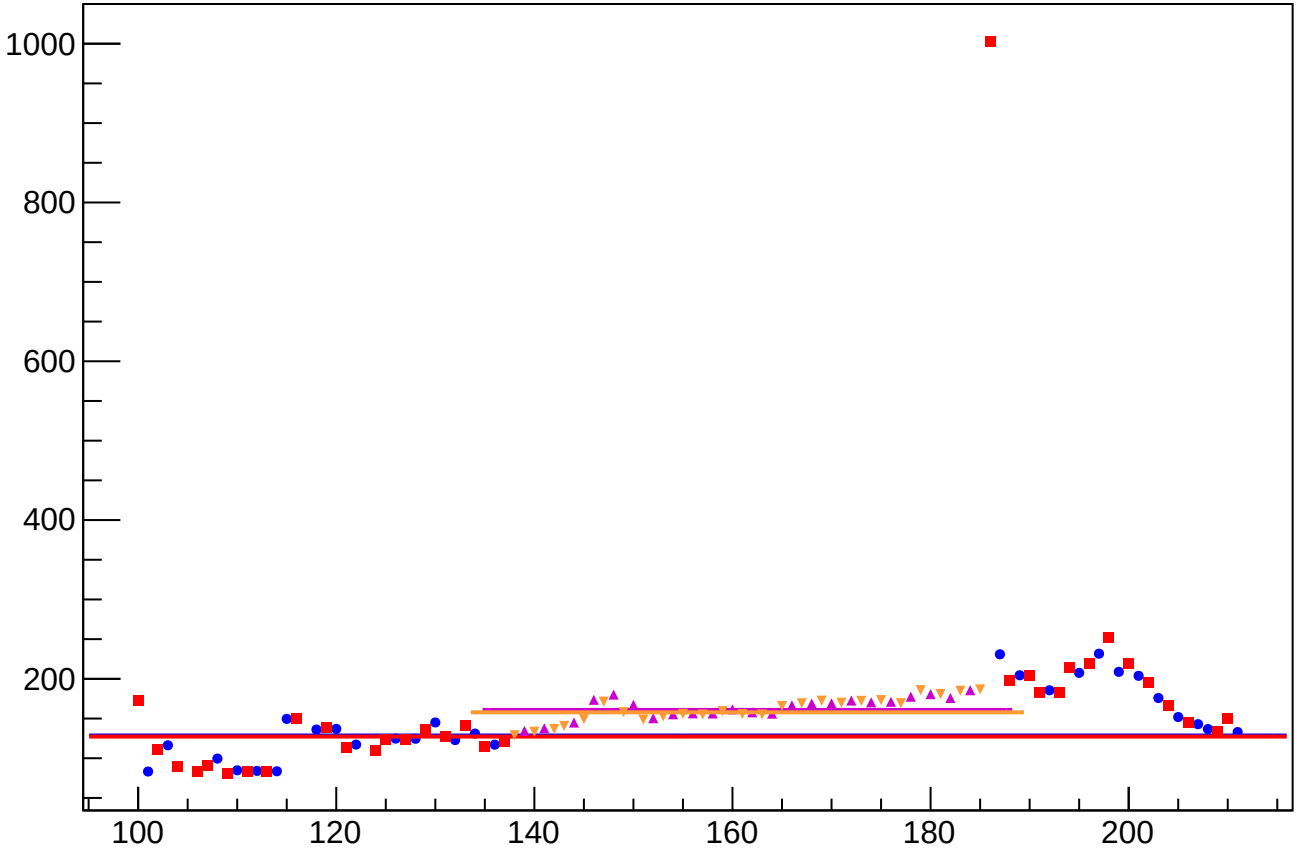
Right: -36.656+/-23.000 χ^2/NDF: 93.7/60

In: 105.983+/-24.871 χ^2/NDF:122.5/50

Out: 113.938+/-23.933 χ^2/NDF:119.6/57

All: 110.113+/-17.245 χ^2/NDF: 242.2/108

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.619+/-0.023 χ^2/NDF: 2703478.4/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF: 4212827.9/32

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

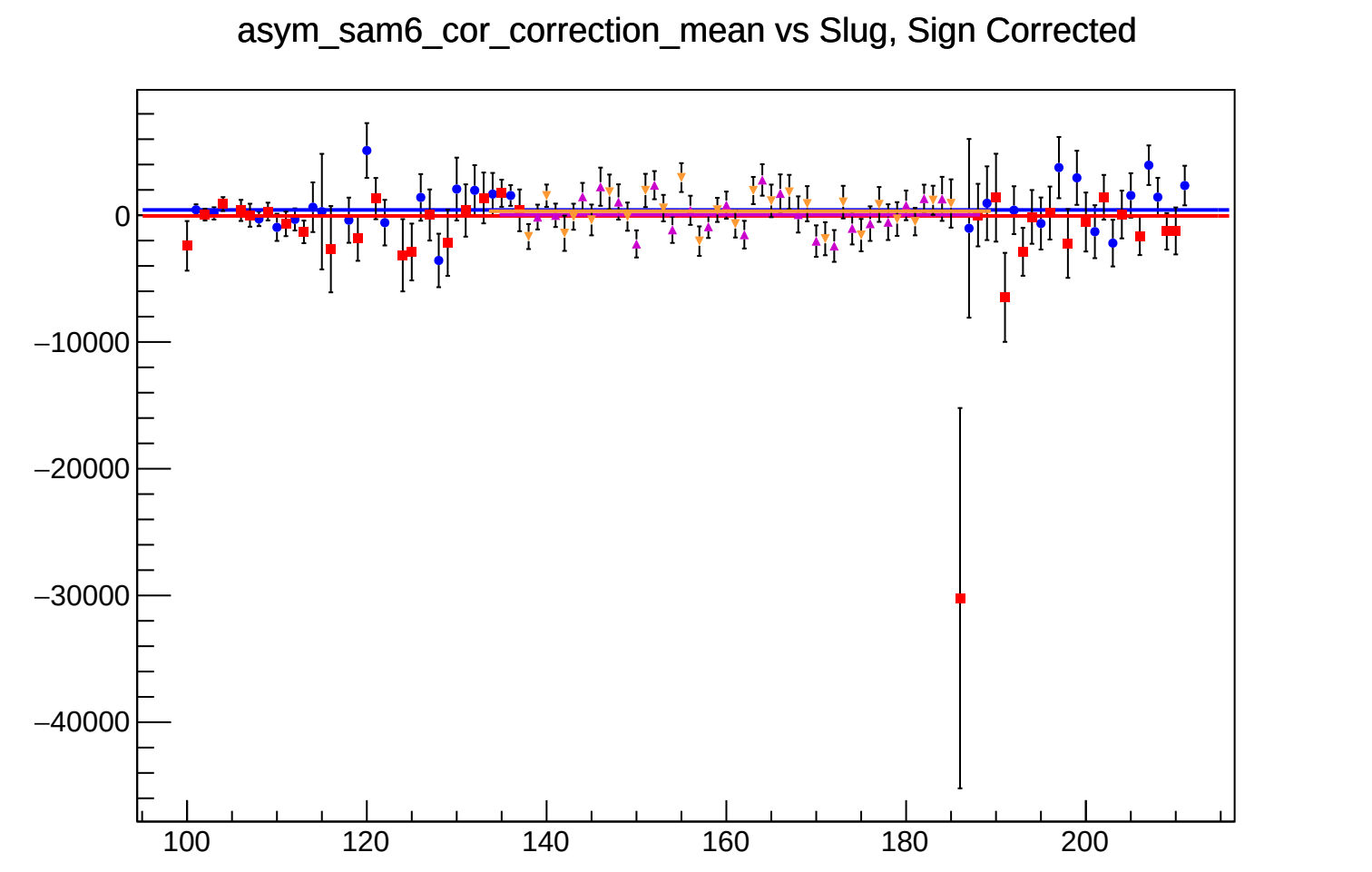
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.947+/-0.016 χ^2/NDF: 6917904.8/60

In: 142.638+/-0.018 χ^2/NDF:3798359.7/50

Out: 140.768+/-0.017 χ^2/NDF:5391616.2/57

All: 141.667+/-0.012 χ^2/NDF: 9195843.6/108



Right In: 419.264+/-213.485 χ^2/NDF: 30.7/27

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -53.290+/-214.895 χ^2/NDF: 30.0/32

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

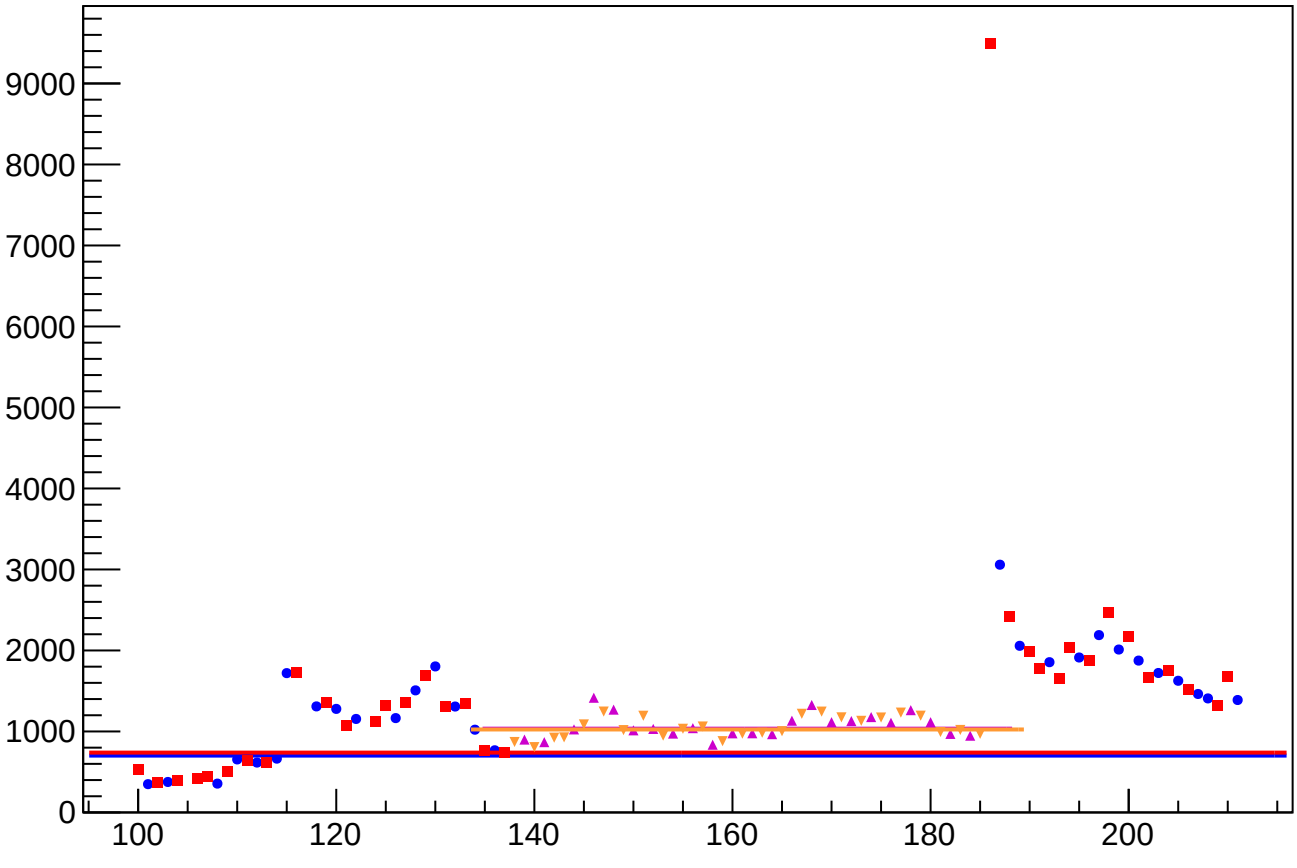
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 184.542+/-151.452 χ^2/NDF: 63.1/60

In: 254.589+/-160.713 χ^2/NDF:66.9/50

Out: 116.618+/-158.612 χ^2/NDF:63.9/57

All: 184.696+/-112.891 χ^2/NDF: 131.1/108



Right In: 701.994+/-0.151 χ^2/NDF: 11369293.5/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF: 12193176.5/32

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

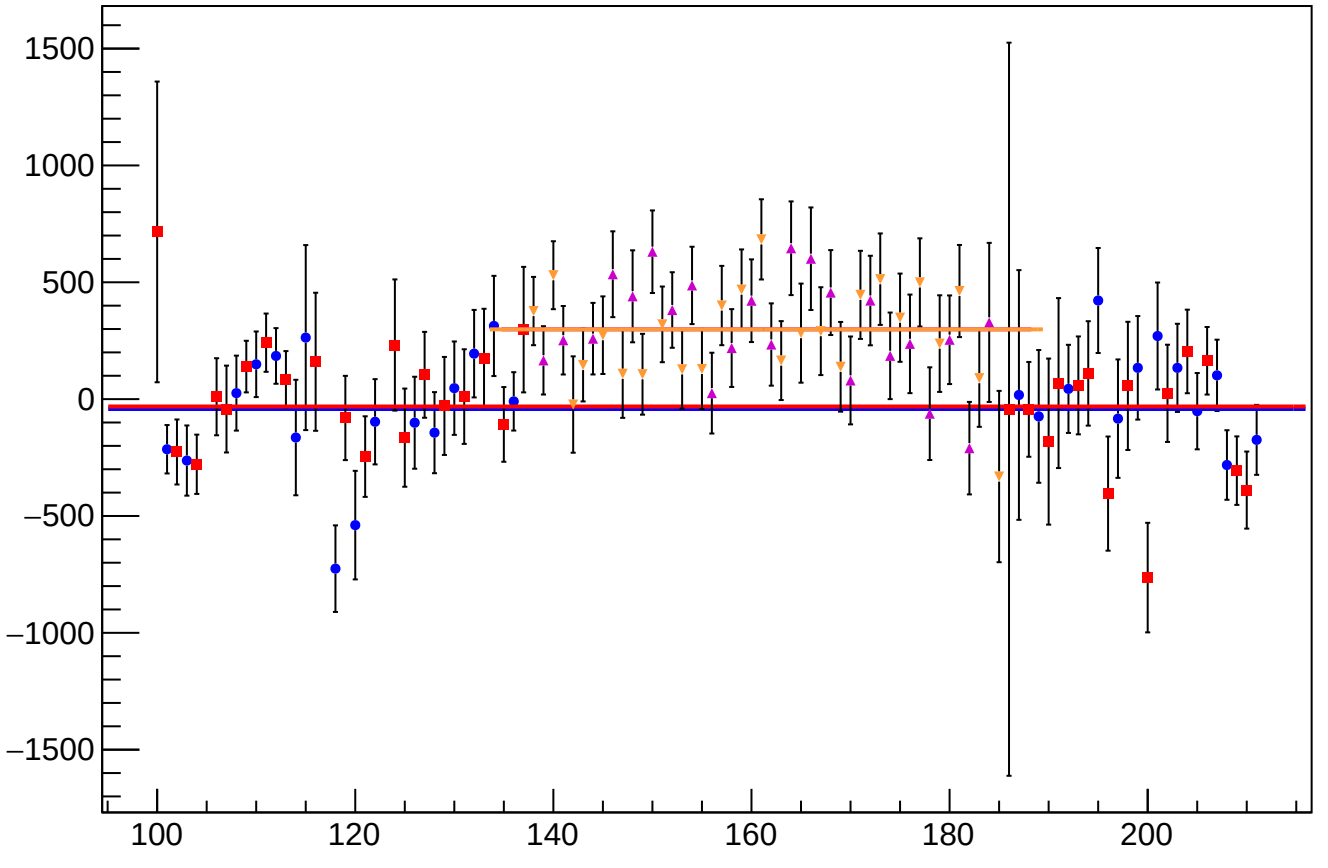
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 720.320+/-0.107 χ^2/NDF: 23592142.6/60

In: 846.030+/-0.114 χ^2/NDF:14099006.3/50

Out: 868.903+/-0.112 χ^2/NDF:14398970.1/57

All: 857.617+/-0.080 χ^2/NDF: 28518497.7/10



Right In: -42.148+/-33.077 χ^2/NDF: 46.9/27

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -31.516+/-32.002 χ^2/NDF: 46.8/32

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

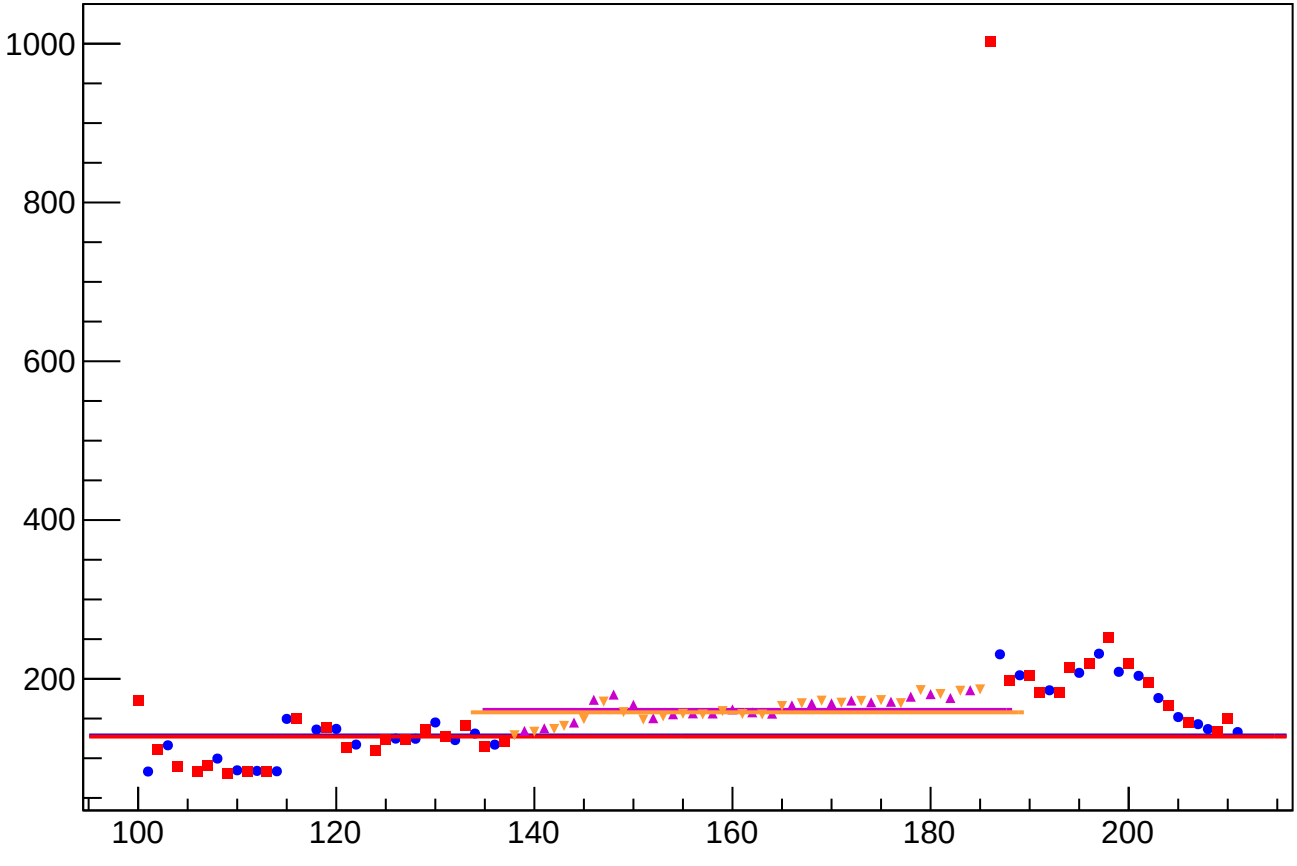
Right: -36.656+/-23.000 χ^2/NDF: 93.7/60

In: 105.983+/-24.871 χ^2/NDF:122.5/50

Out: 113.938+/-23.933 χ^2/NDF:119.6/57

All: 110.113+/-17.245 χ^2/NDF: 242.2/108

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.619+/-0.023 χ^2/NDF: 2703478.4/27

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 127.318+/-0.023 χ^2/NDF: 4212827.9/32

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

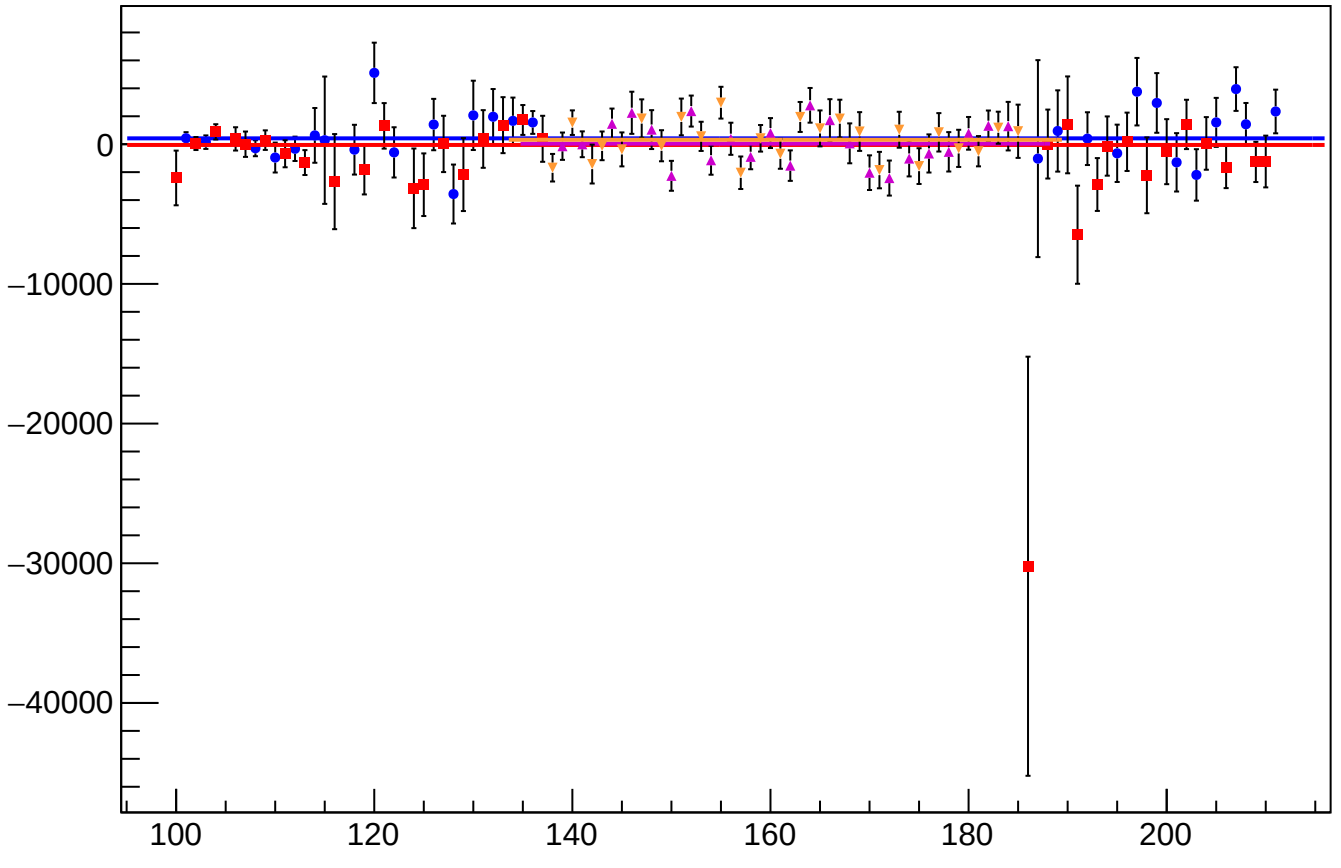
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.947+/-0.016 χ^2/NDF: 6917904.8/60

In: 142.638+/-0.018 χ^2/NDF:3798359.7/50

Out: 140.768+/-0.017 χ^2/NDF:5391616.2/57

All: 141.667+/-0.012 χ^2/NDF: 9195843.6/108



Right In: 419.264+/-213.485 χ^2/NDF: 30.7/27

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -53.290+/-214.895 χ^2/NDF: 30.0/32

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

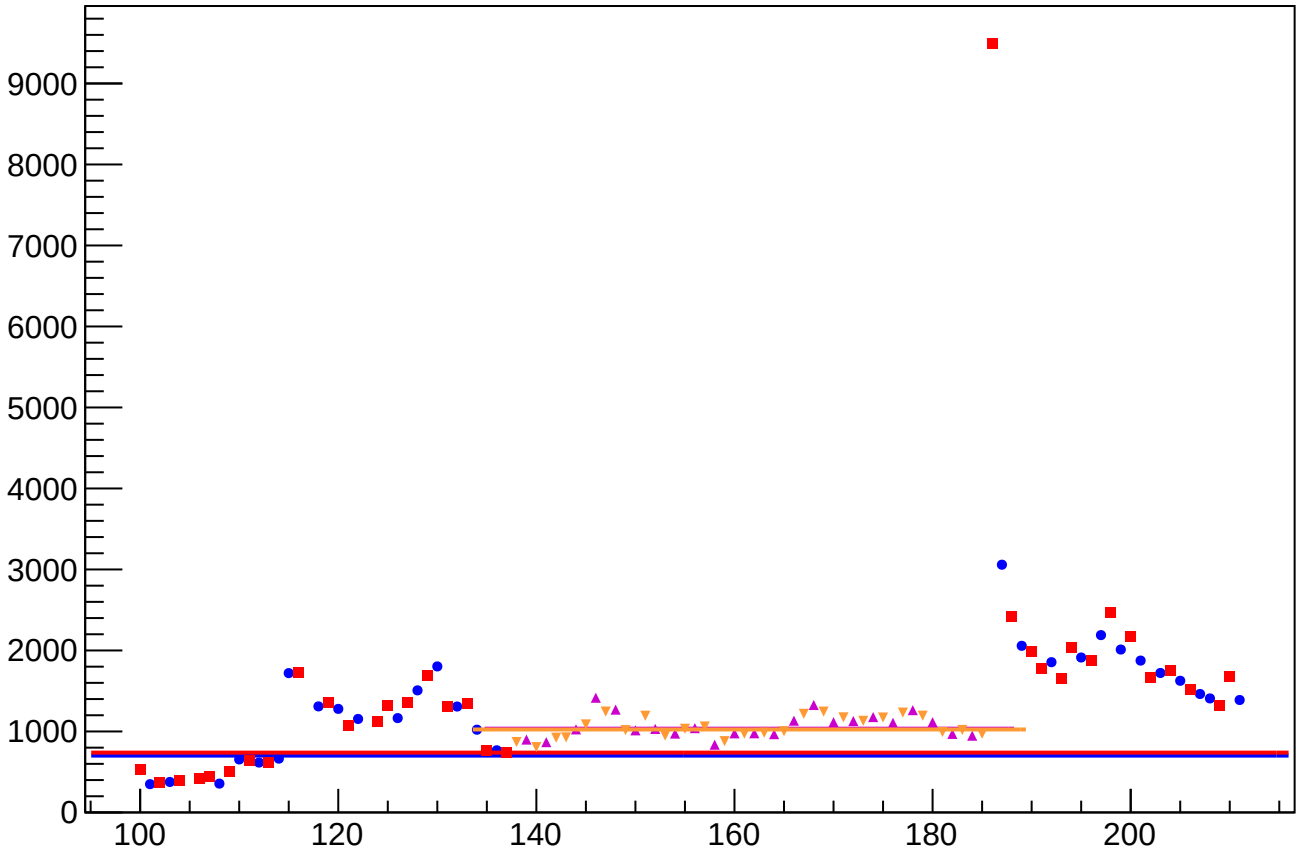
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 184.542+/-151.452 χ^2/NDF: 63.1/60

In: 254.589+/-160.713 χ^2/NDF:66.9/50

Out: 116.618+/-158.612 χ^2/NDF:63.9/57

All: 184.696+/-112.891 χ^2/NDF: 131.1/108



Right In: 701.994+/-0.151 χ^2/NDF: 11369293.5/27

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 738.890+/-0.152 χ^2/NDF: 12193176.5/32

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

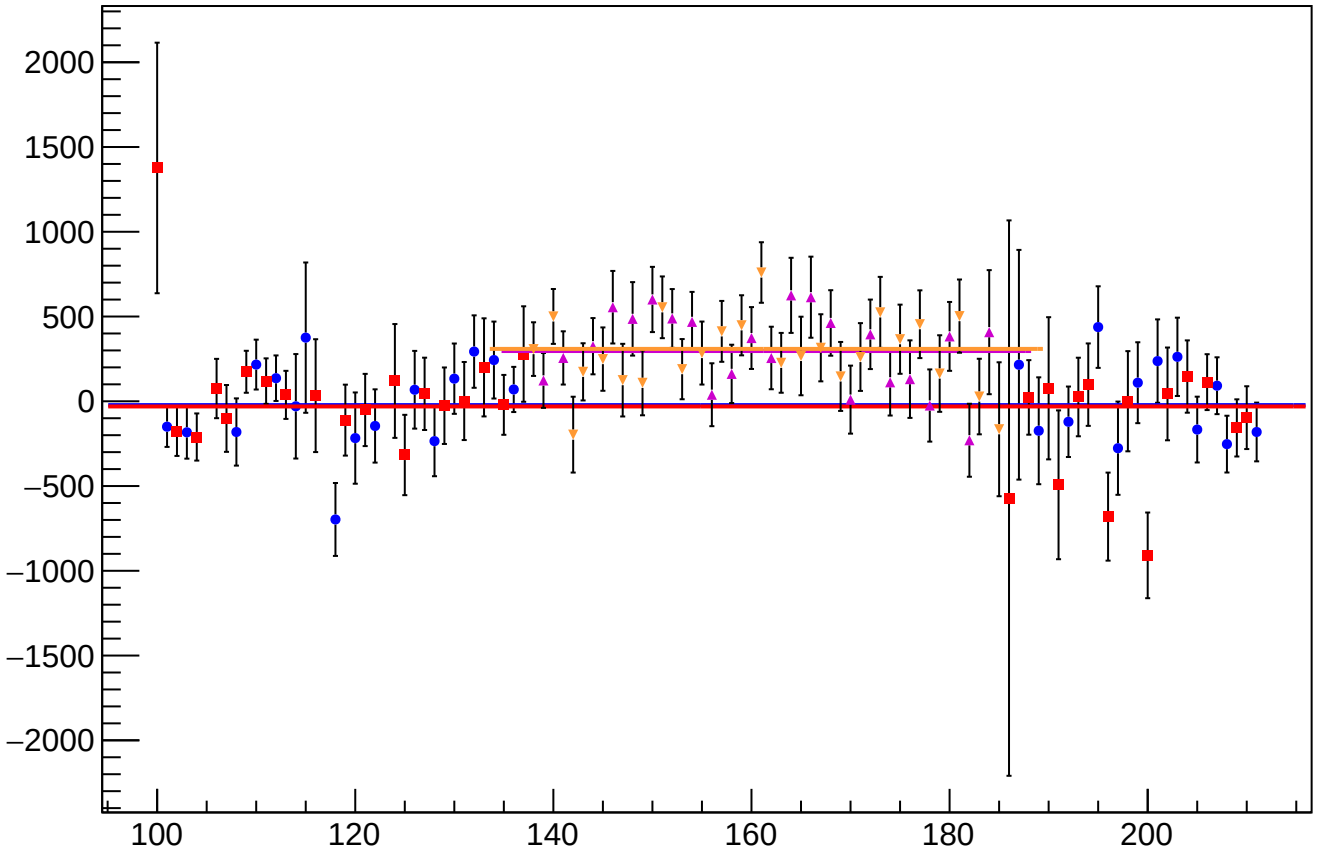
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 720.320+/-0.107 χ^2/NDF: 23592142.6/60

In: 846.030+/-0.114 χ^2/NDF:14099006.3/50

Out: 868.903+/-0.112 χ^2/NDF:14398970.1/57

All: 857.617+/-0.080 χ^2/NDF: 28518497.7/10



Right In: -22.633+/-37.158 χ^2/NDF: 36.0/27

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -30.545+/-35.971 χ^2/NDF: 37.1/32

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

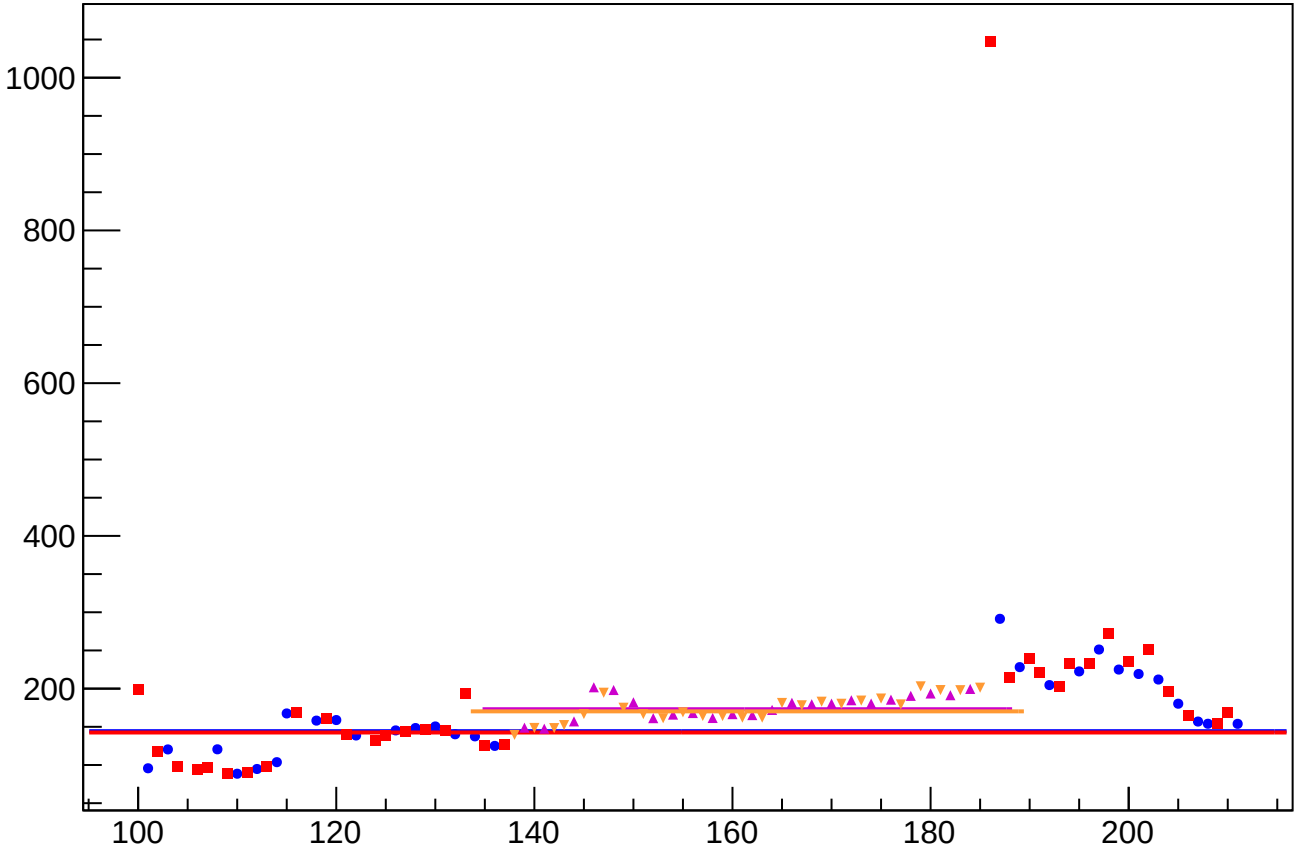
Right: -26.717+/-25.845 χ^2/NDF: 73.1/60

In: 122.805+/-27.413 χ^2/NDF:97.4/50

Out: 125.979+/-26.411 χ^2/NDF:103.7/57

All: 124.451+/-19.020 χ^2/NDF: 201.1/108

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 144.304+/-0.026 χ^2/NDF: 2665789.4/27

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 142.558+/-0.025 χ^2/NDF: 4382262.7/32

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

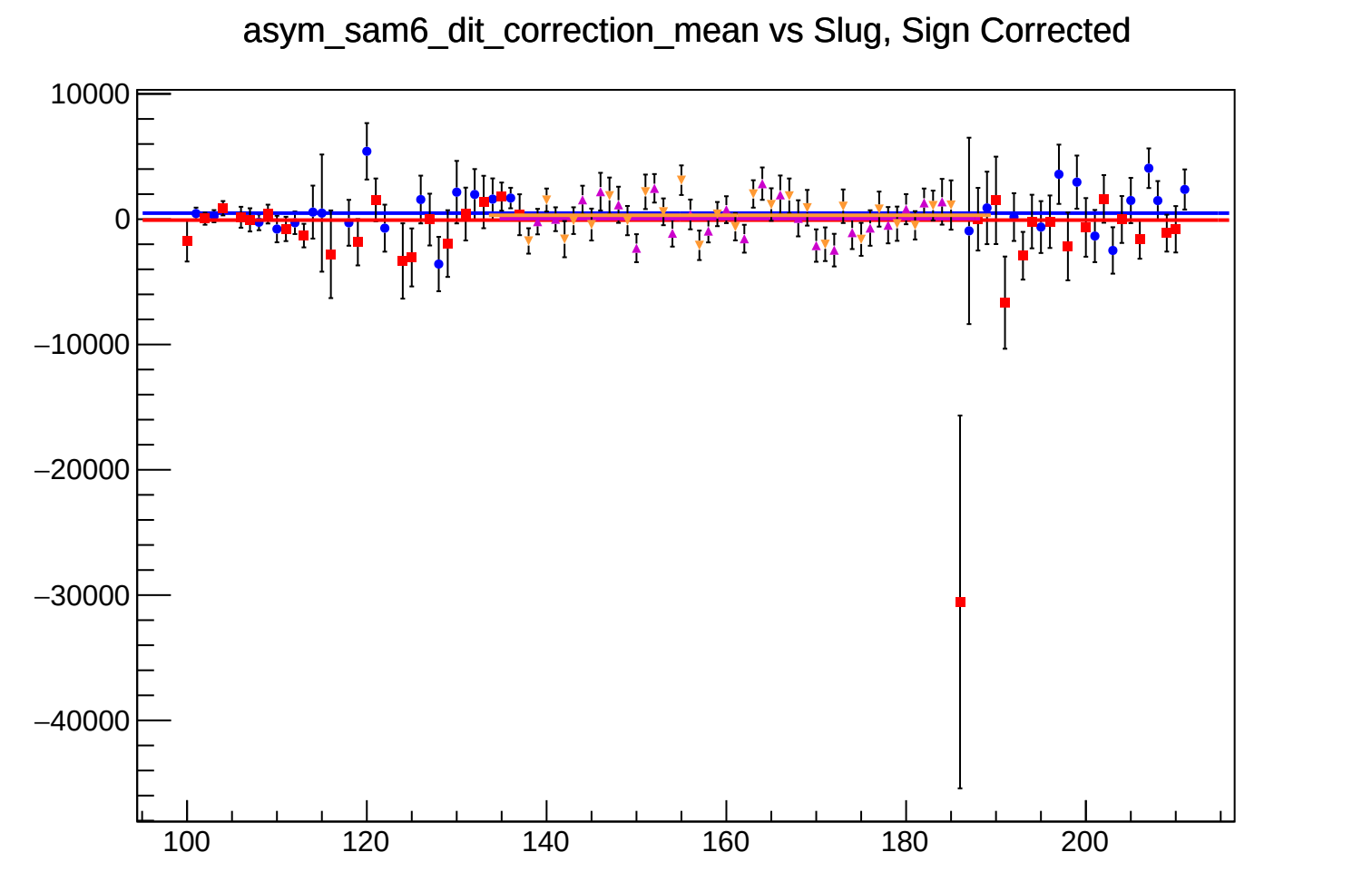
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 143.403+/-0.018 χ^2/NDF: 7050330.0/60

In: 157.392+/-0.019 χ^2/NDF:3504011.6/50

Out: 155.318+/-0.019 χ^2/NDF:5294510.6/57

All: 156.317+/-0.013 χ^2/NDF: 8804461.5/108



Right In: 483.539+/-222.393 χ^2/NDF: 30.6/27

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -73.178+/-221.470 χ^2/NDF: 28.6/32

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

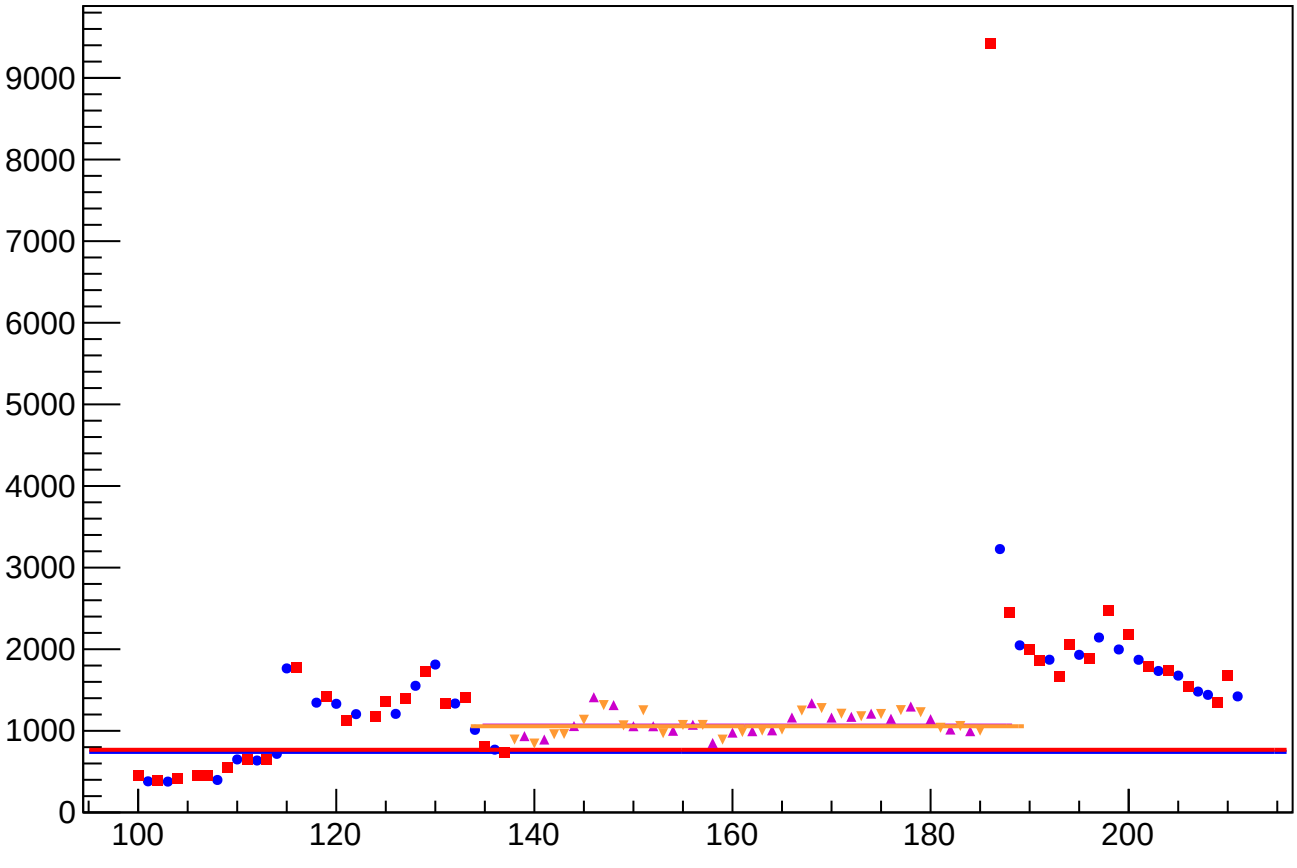
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 204.022+/-156.928 χ^2/NDF: 62.4/60

In: 291.870+/-166.528 χ^2/NDF:66.7/50

Out: 102.811+/-163.503 χ^2/NDF:62.9/57

All: 195.608+/-116.669 χ^2/NDF: 130.3/108



Right In: 741.817+/-0.157 χ^2/NDF: 10777918.3/27

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 767.768+/-0.157 χ^2/NDF: 11955434.7/32

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

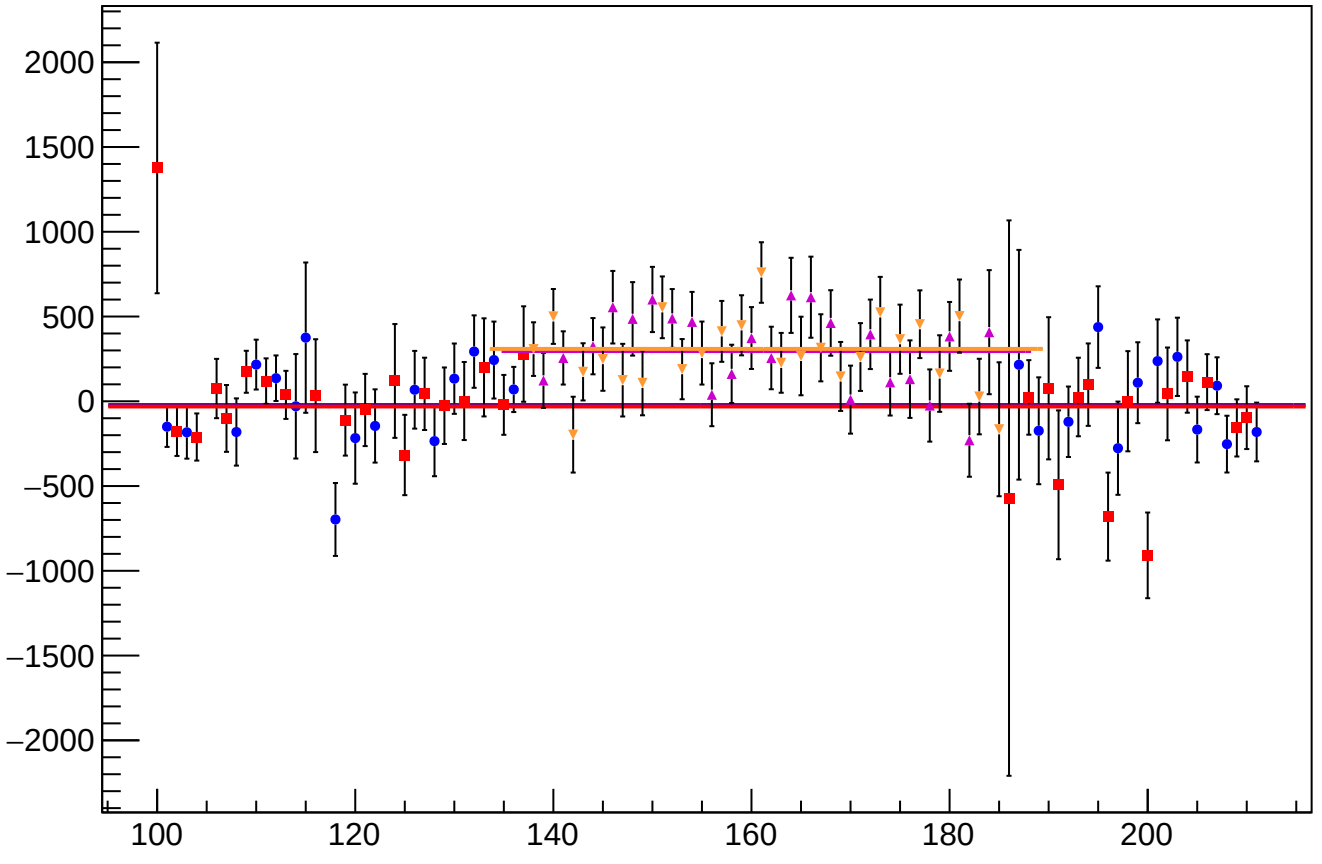
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 754.846+/-0.111 χ^2/NDF: 22747026.0/60

In: 883.654+/-0.118 χ^2/NDF:13240851.9/50

Out: 899.053+/-0.116 χ^2/NDF:14110881.4/57

All: 891.495+/-0.082 χ^2/NDF: 27360440.4/10



Right In: -22.635+/-37.157 χ^2/NDF: 36.0/27

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -30.544+/-35.971 χ^2/NDF: 37.1/32

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

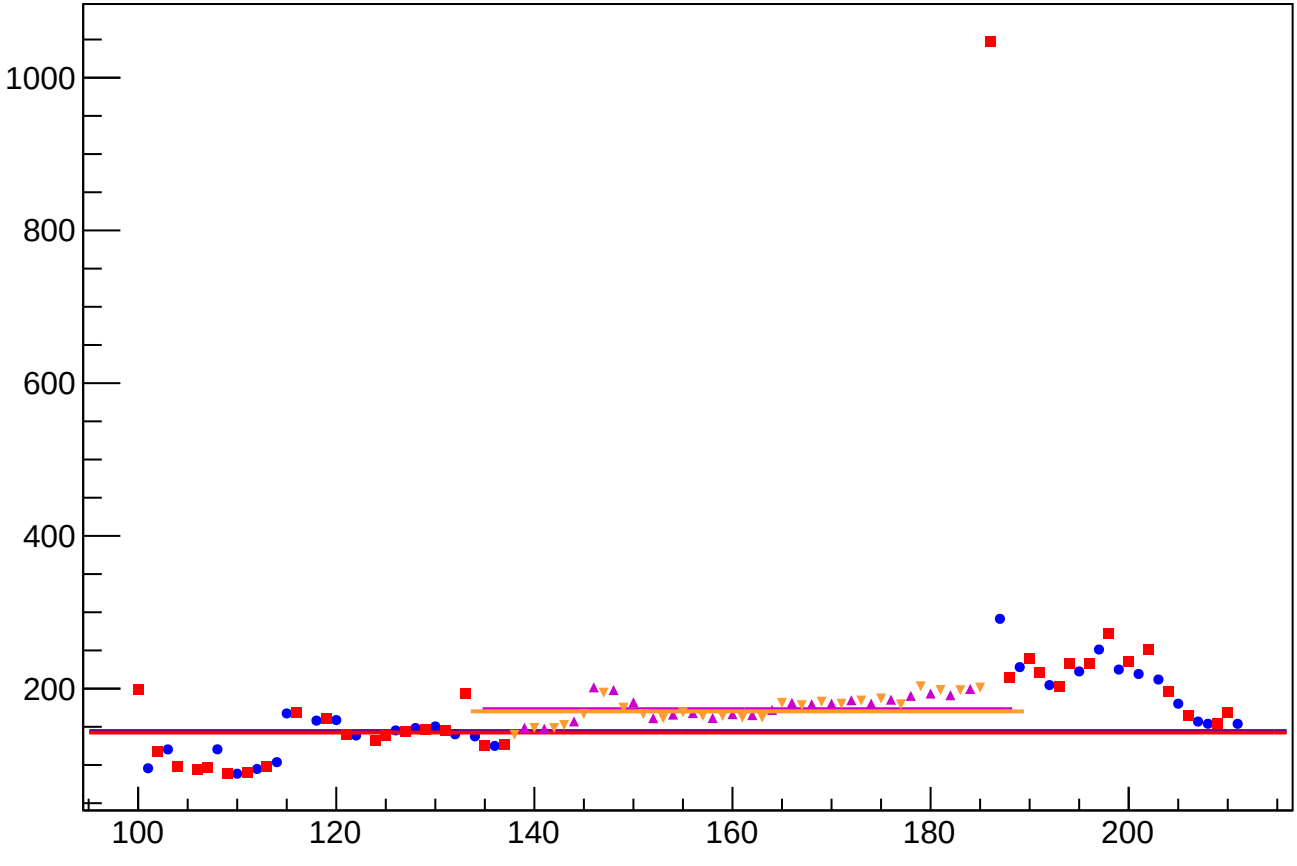
Right: -26.718+/-25.845 χ^2/NDF: 73.1/60

In: 122.804+/-27.413 χ^2/NDF:97.4/50

Out: 125.980+/-26.411 χ^2/NDF:103.7/57

All: 124.451+/-19.019 χ^2/NDF: 201.1/108

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 144.303+/-0.026 χ^2/NDF: 2665807.9/27

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 142.558+/-0.025 χ^2/NDF: 4382269.5/32

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

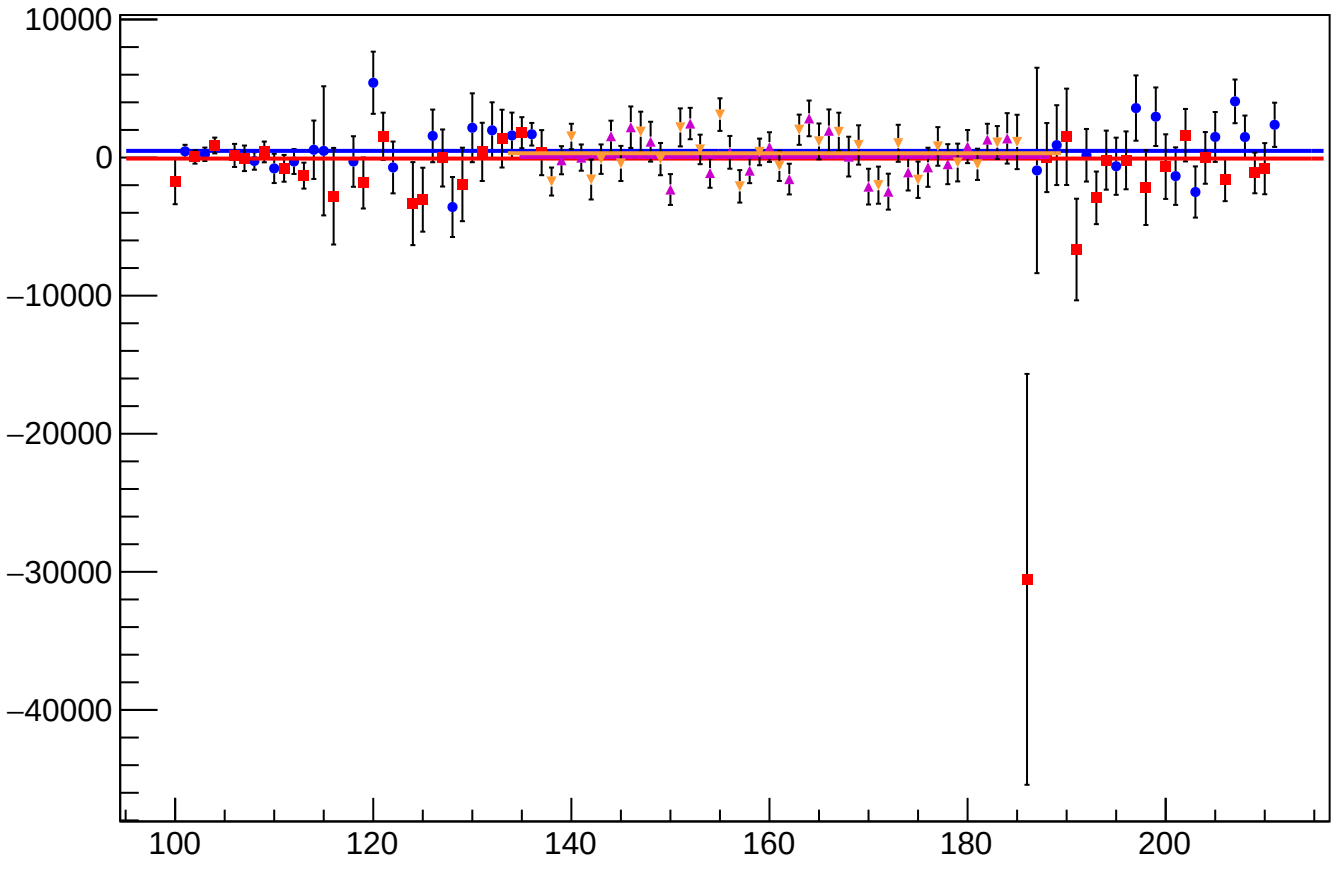
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 143.402+/-0.018 χ^2/NDF: 7050355.3/60

In: 157.392+/-0.019 χ^2/NDF:3504034.7/50

Out: 155.318+/-0.019 χ^2/NDF:5294520.3/57

All: 156.316+/-0.013 χ^2/NDF: 8804494.2/108



Right In: 483.538+/-222.393 χ^2/NDF: 30.6/27

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -73.177+/-221.470 χ^2/NDF: 28.6/32

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

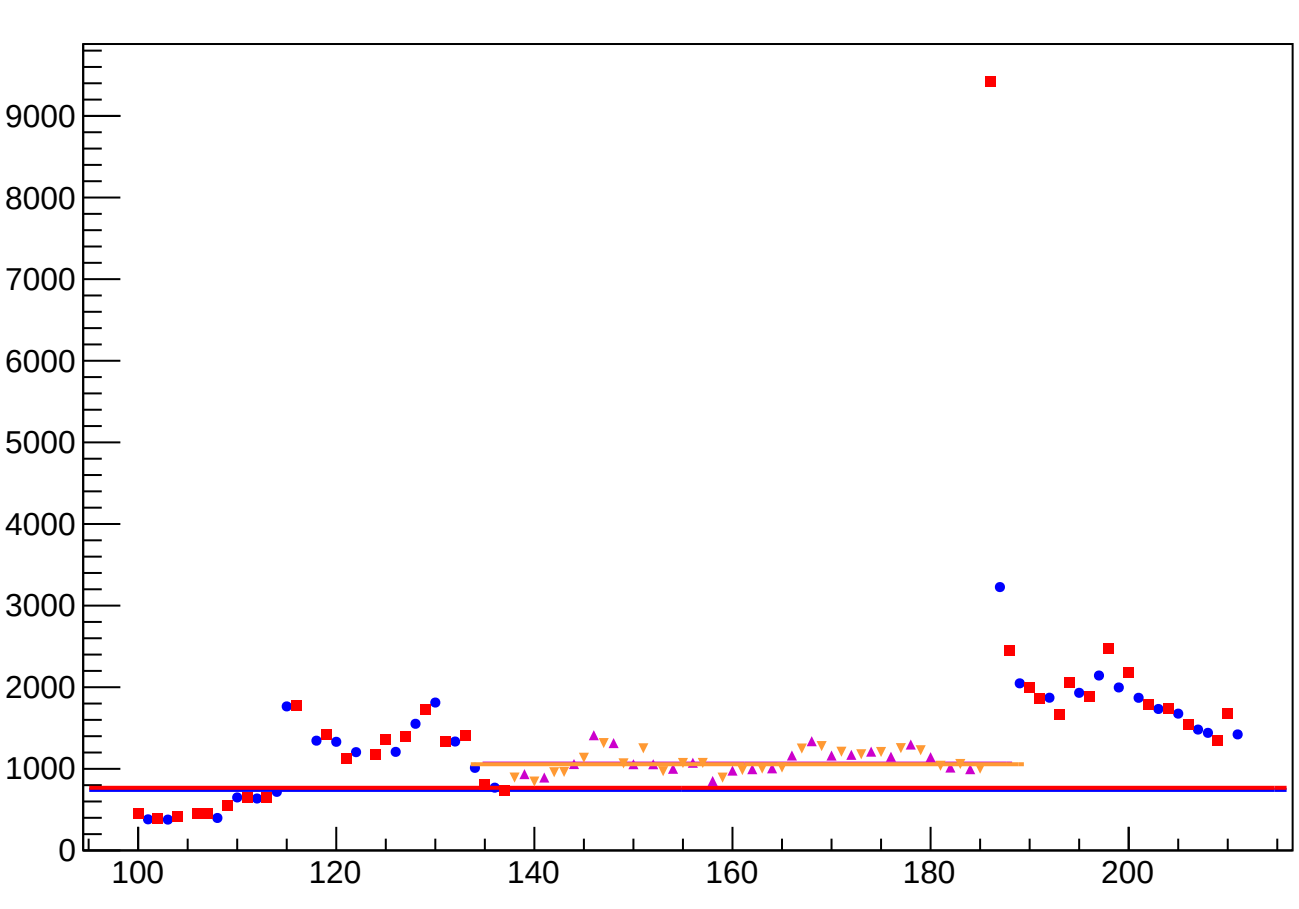
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 204.023+/-156.928 χ^2/NDF: 62.4/60

In: 291.870+/-166.528 χ^2/NDF:66.7/50

Out: 102.812+/-163.503 χ^2/NDF:62.9/57

All: 195.608+/-116.669 χ^2/NDF: 130.3/108



Right In: 741.816+/-0.157 χ^2/NDF: 10777931.3/27

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 767.767+/-0.157 χ^2/NDF: 11955438.5/32

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

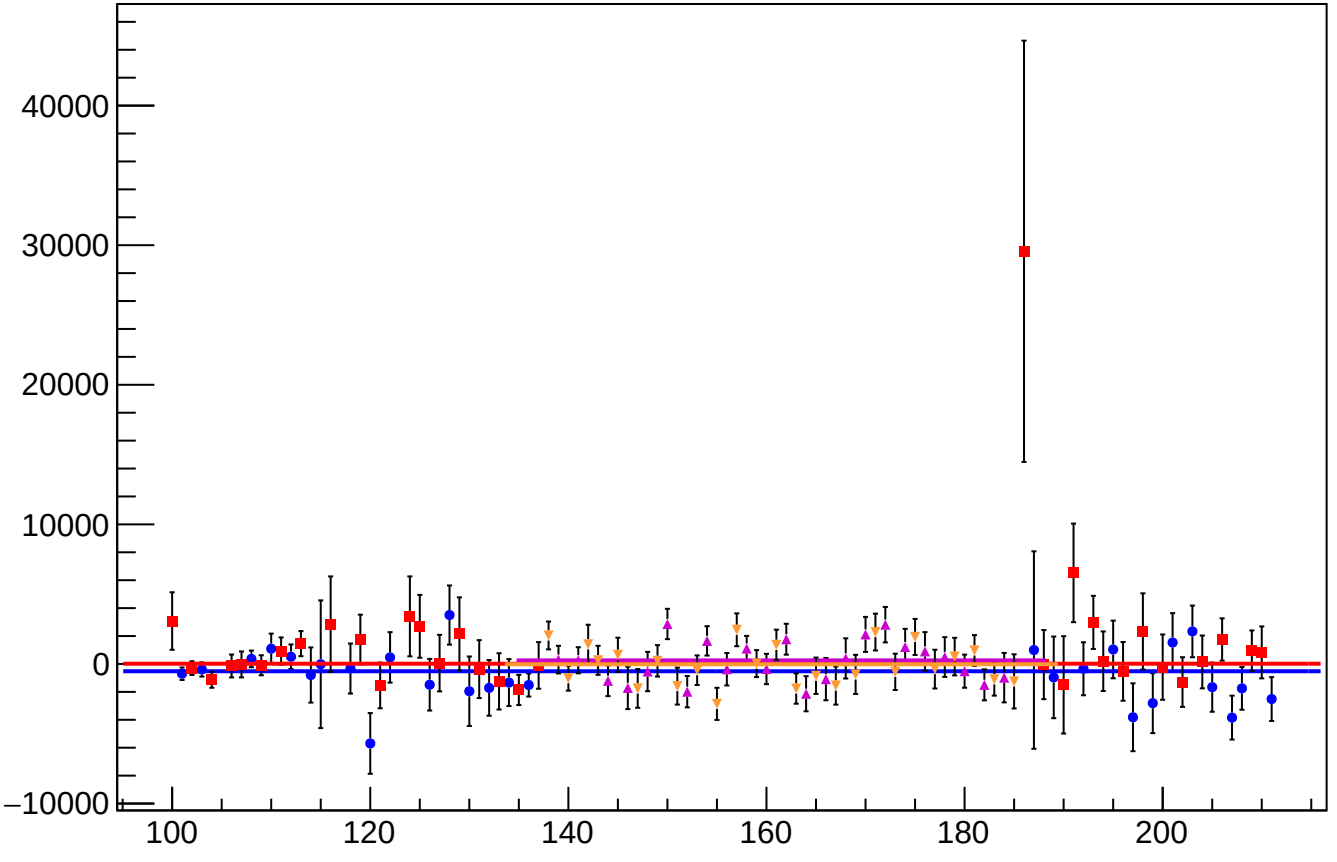
Right: 754.845+/-0.111 χ^2/NDF: 22747043.1/60

In: 883.654+/-0.118 χ^2/NDF:13240880.7/50

Out: 899.053+/-0.116 χ^2/NDF:14110900.2/57

All: 891.494+/-0.082 χ^2/NDF: 27360488.3/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -522.269+/-219.068 χ^2/NDF: 32.4/27

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 17.364+/-219.350 χ^2/NDF: 32.9/32

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

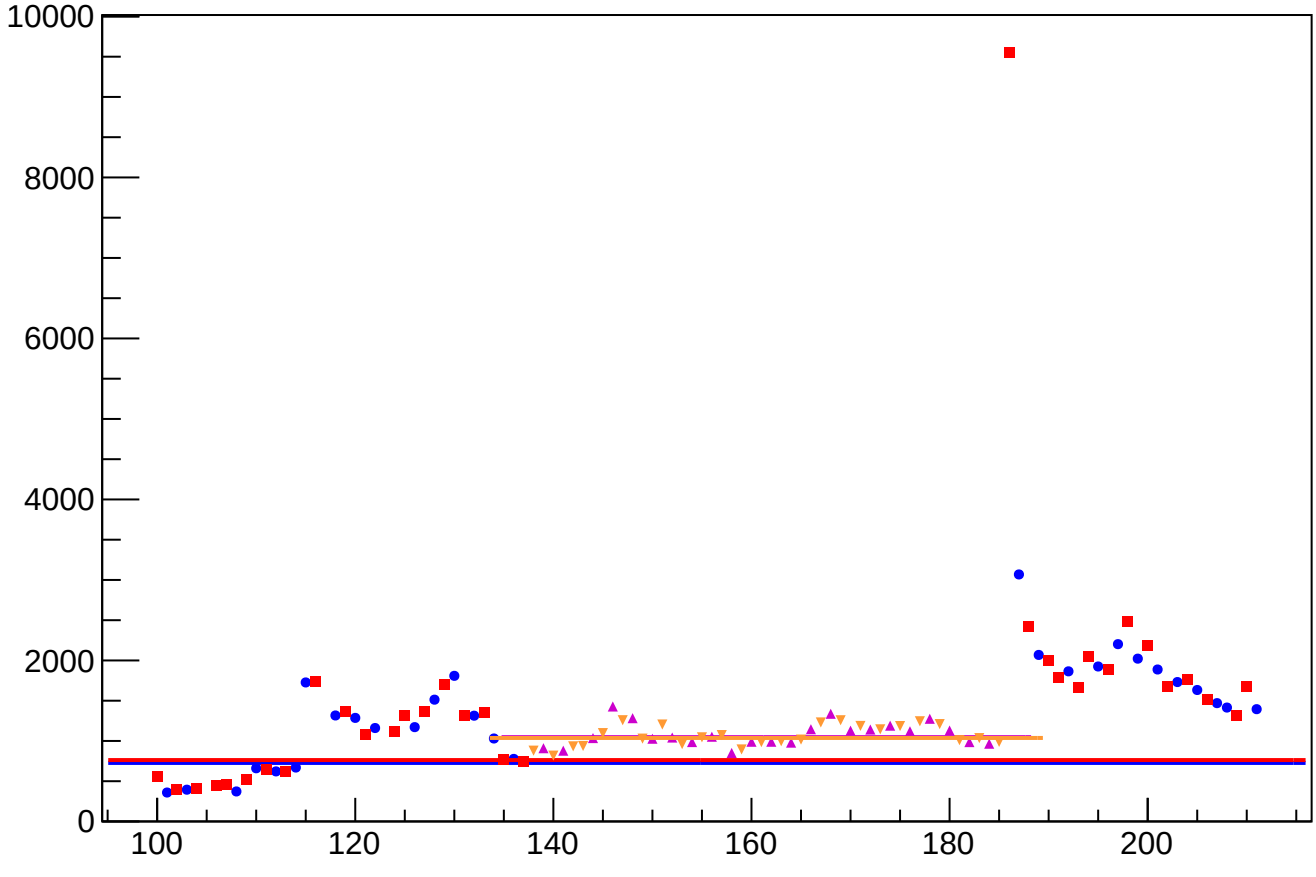
Right: -252.800+/-155.004 χ^2/NDF: 68.3/60

In: -180.190+/-163.953 χ^2/NDF:71.5/50

Out: -0.654+/-161.286 χ^2/NDF:67.4/57

All: -88.950+/-114.978 χ^2/NDF: 139.5/108

asym_sam6_rms vs Slug, Sign Corrected



Right In: 727.007+/-0.155 χ^2/NDF: 10963445.9/27

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 762.539+/-0.155 χ^2/NDF: 11790915.7/32

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

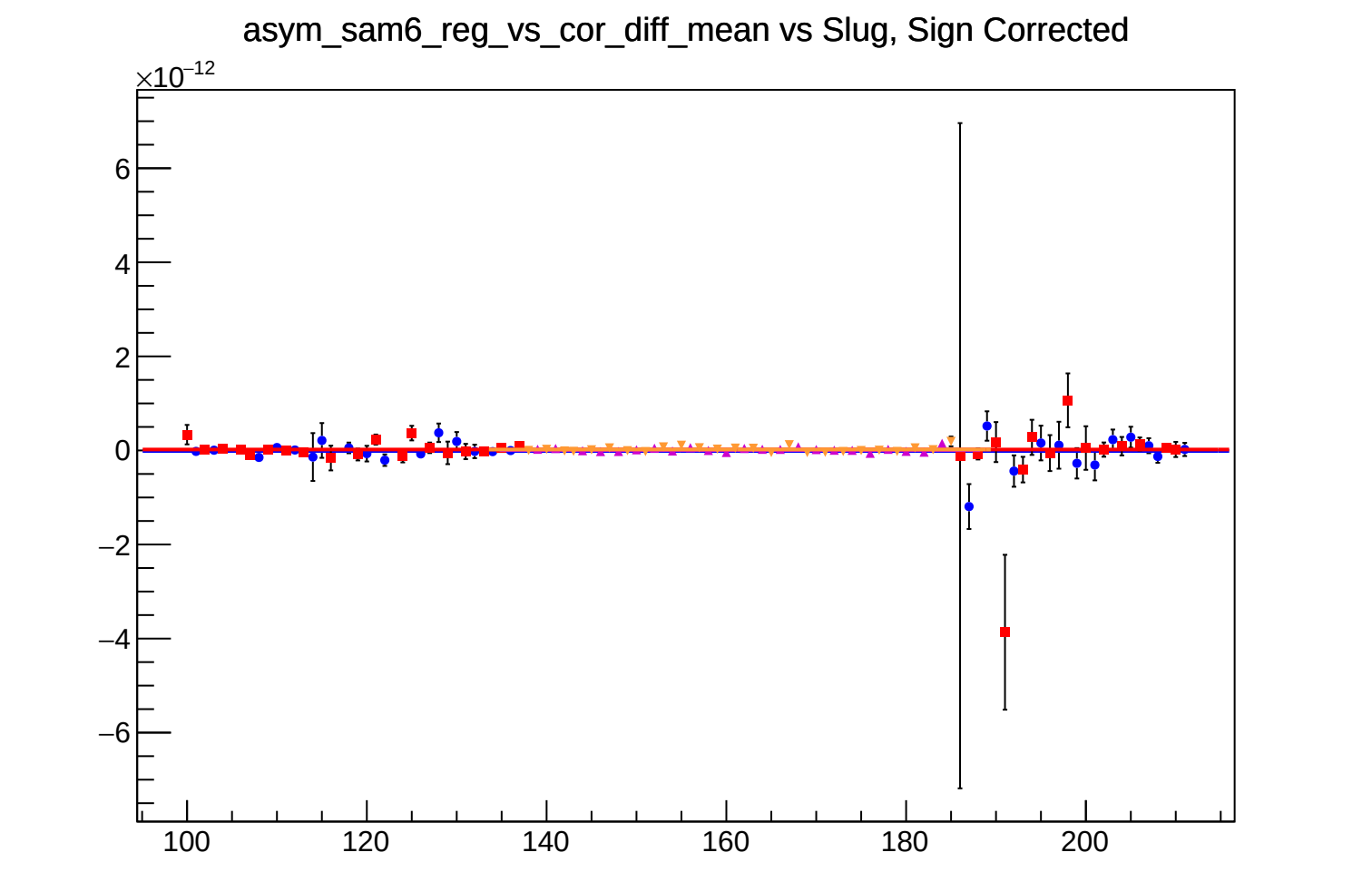
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 744.750+/-0.110 χ^2/NDF: 22780634.4/60

In: 868.042+/-0.116 χ^2/NDF:13461286.1/50

Out: 888.761+/-0.114 χ^2/NDF:13818159.8/57

All: 878.571+/-0.081 χ^2/NDF: 27295677.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/32

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

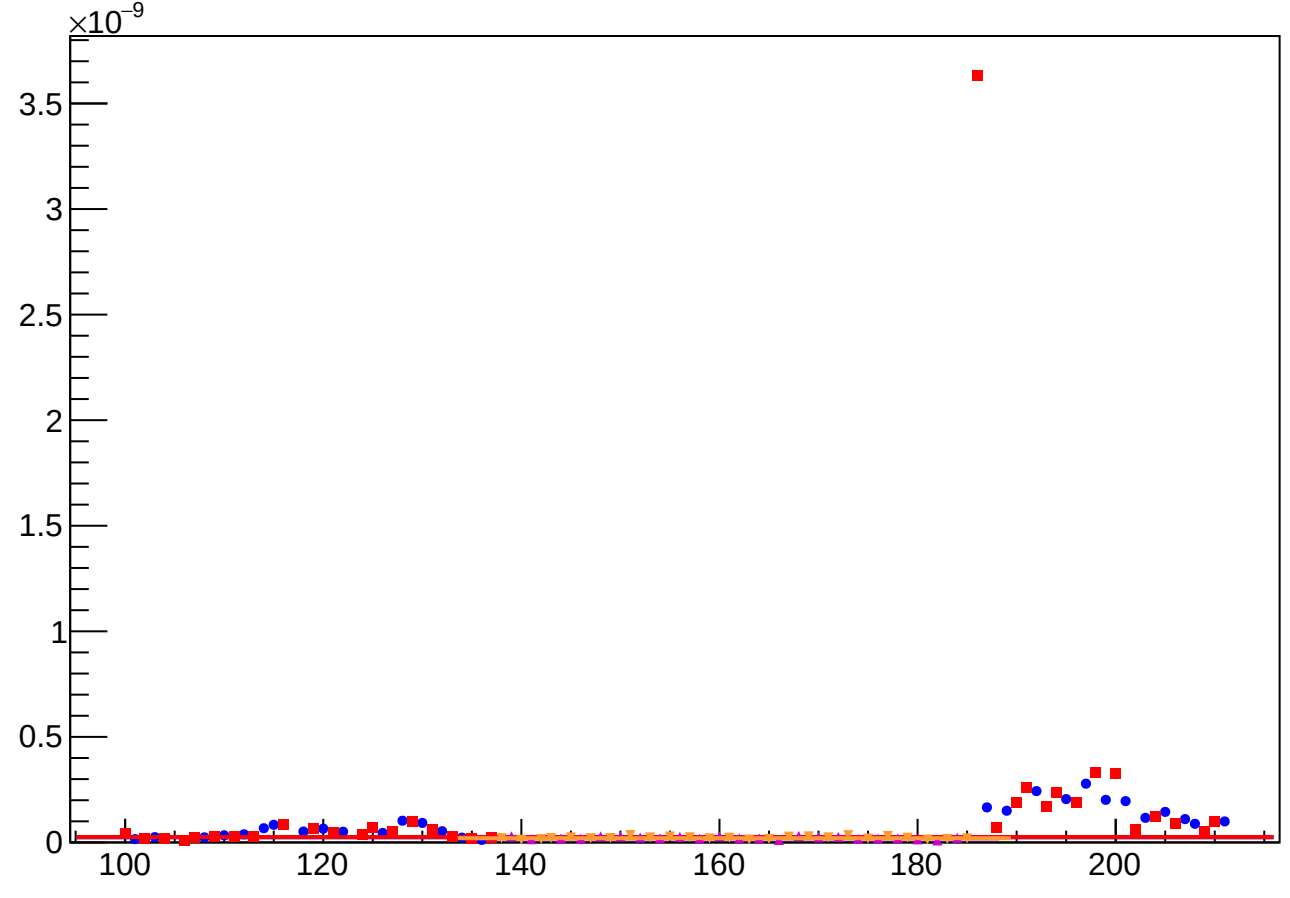
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 69.3/60

In: 0.000+/-0.000 χ^2/NDF:52.9/50

Out: 0.000+/-0.000 χ^2/NDF:63.5/57

All: 0.000+/-0.000 χ^2/NDF: 120.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 8295006.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7879798.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

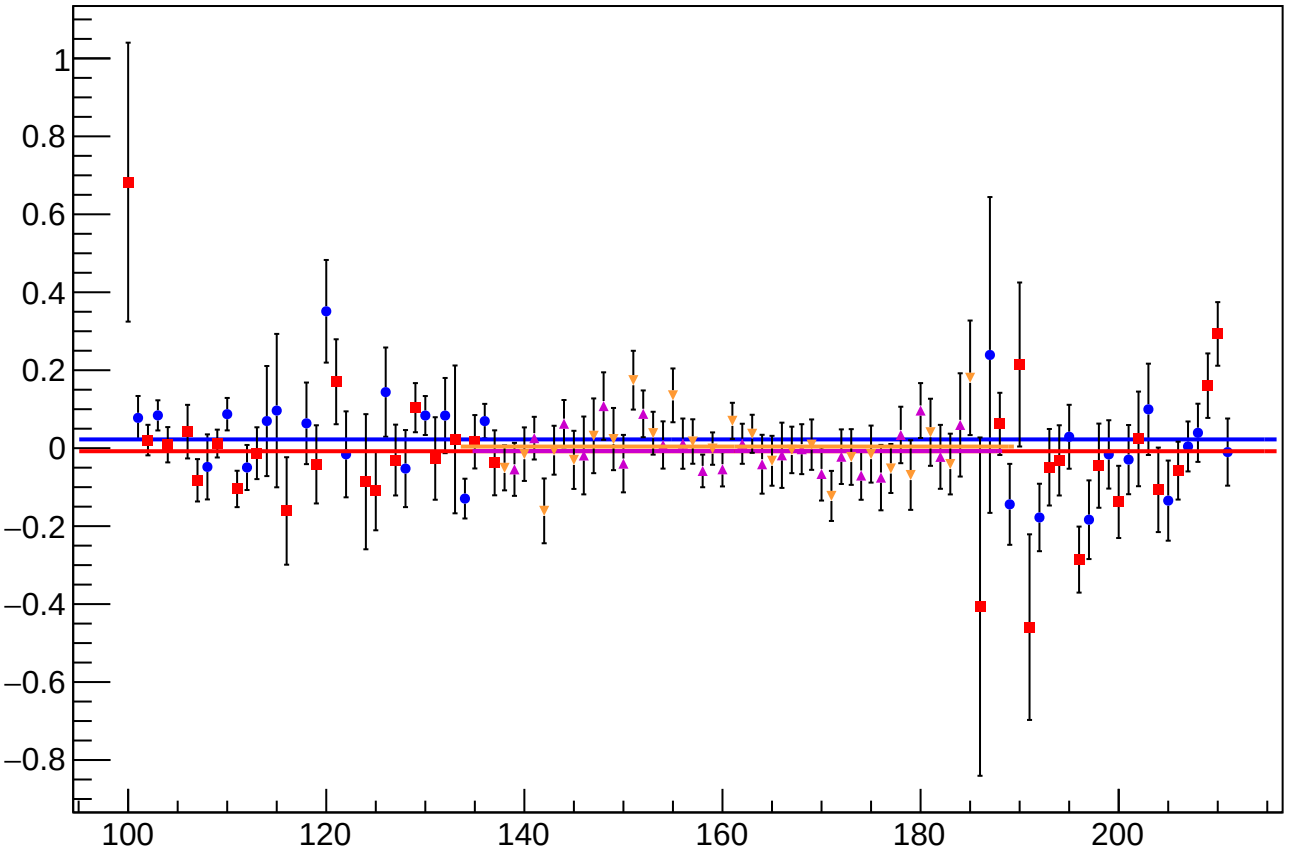
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16183077.0/60

In: 0.000+/-0.000 χ^2/NDF:9587490.4/50

Out: 0.000+/-0.000 χ^2/NDF:9119764.1/57

All: 0.000+/-0.000 χ^2/NDF: 18725429.2/108



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.008+/-0.013 χ^2/NDF: 58.7/32

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

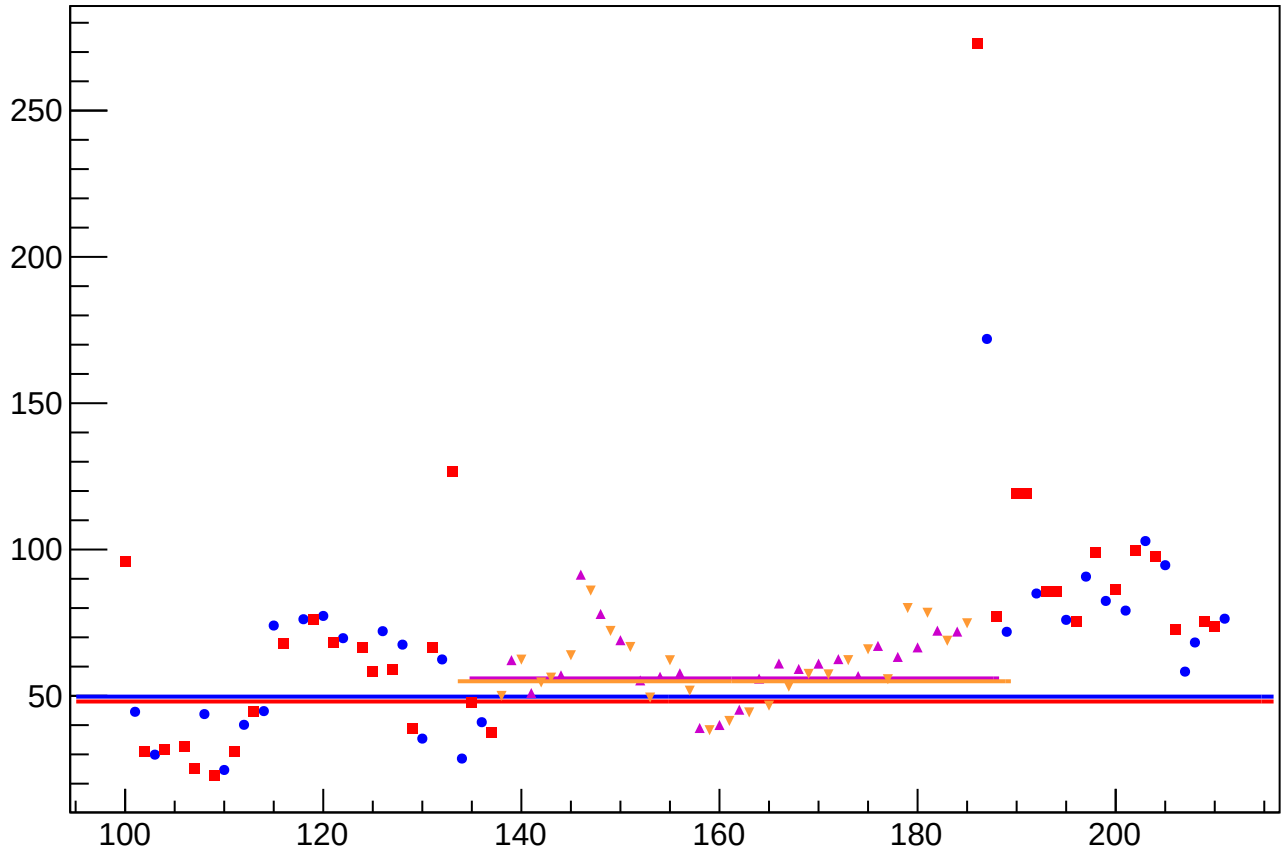
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.007+/-0.009 χ^2/NDF: 105.8/60

In: 0.007+/-0.010 χ^2/NDF:62.0/50

Out: -0.002+/-0.009 χ^2/NDF:83.9/57

All: 0.003+/-0.007 χ^2/NDF: 146.4/108



Right In: 49.739+/-0.010 χ^2/NDF: 5190153.8/27

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.072+/-0.009 χ^2/NDF: 7486807.3/32

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

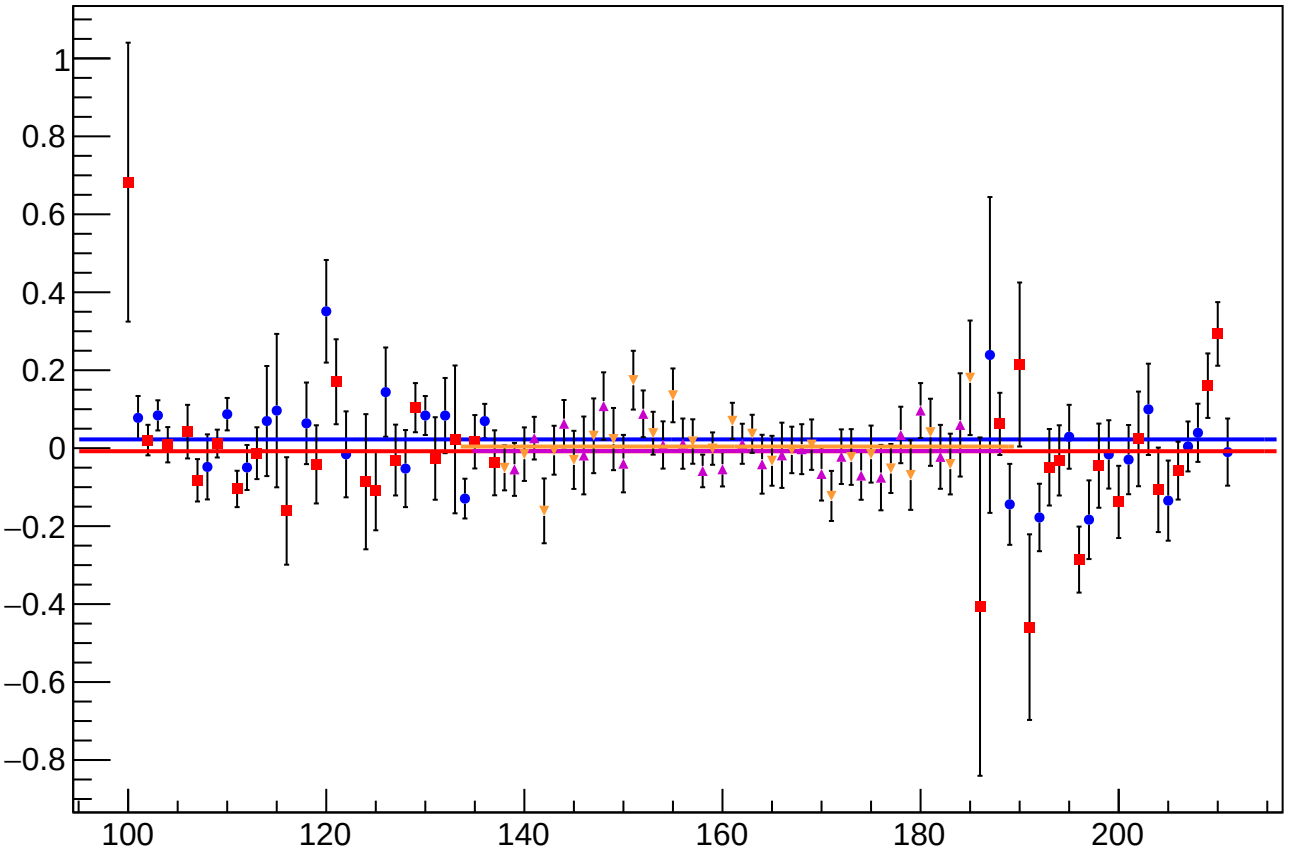
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 48.874+/-0.007 χ^2/NDF: 12692415.7/60

In: 52.880+/-0.007 χ^2/NDF:6805577.8/50

Out: 51.581+/-0.007 χ^2/NDF:9334246.0/57

All: 52.205+/-0.005 χ^2/NDF: 16158841.8/108



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.008+/-0.013 χ^2/NDF: 58.7/32

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

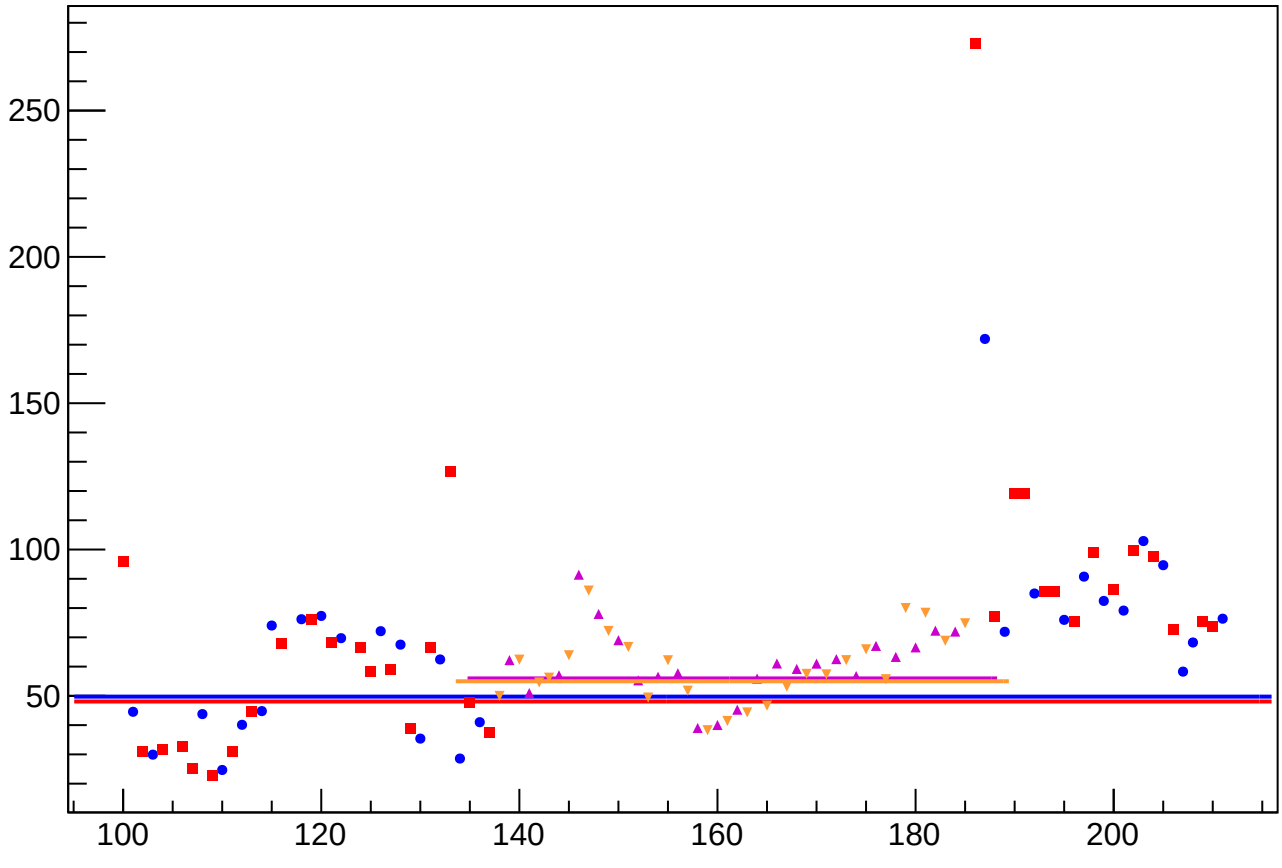
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.007+/-0.009 χ^2/NDF: 105.8/60

In: 0.007+/-0.010 χ^2/NDF:62.0/50

Out: -0.002+/-0.009 χ^2/NDF:83.9/57

All: 0.003+/-0.007 χ^2/NDF: 146.4/108



Right In: 49.739+/-0.010 χ^2/NDF: 5190153.8/27

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.072+/-0.009 χ^2/NDF: 7486807.3/32

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

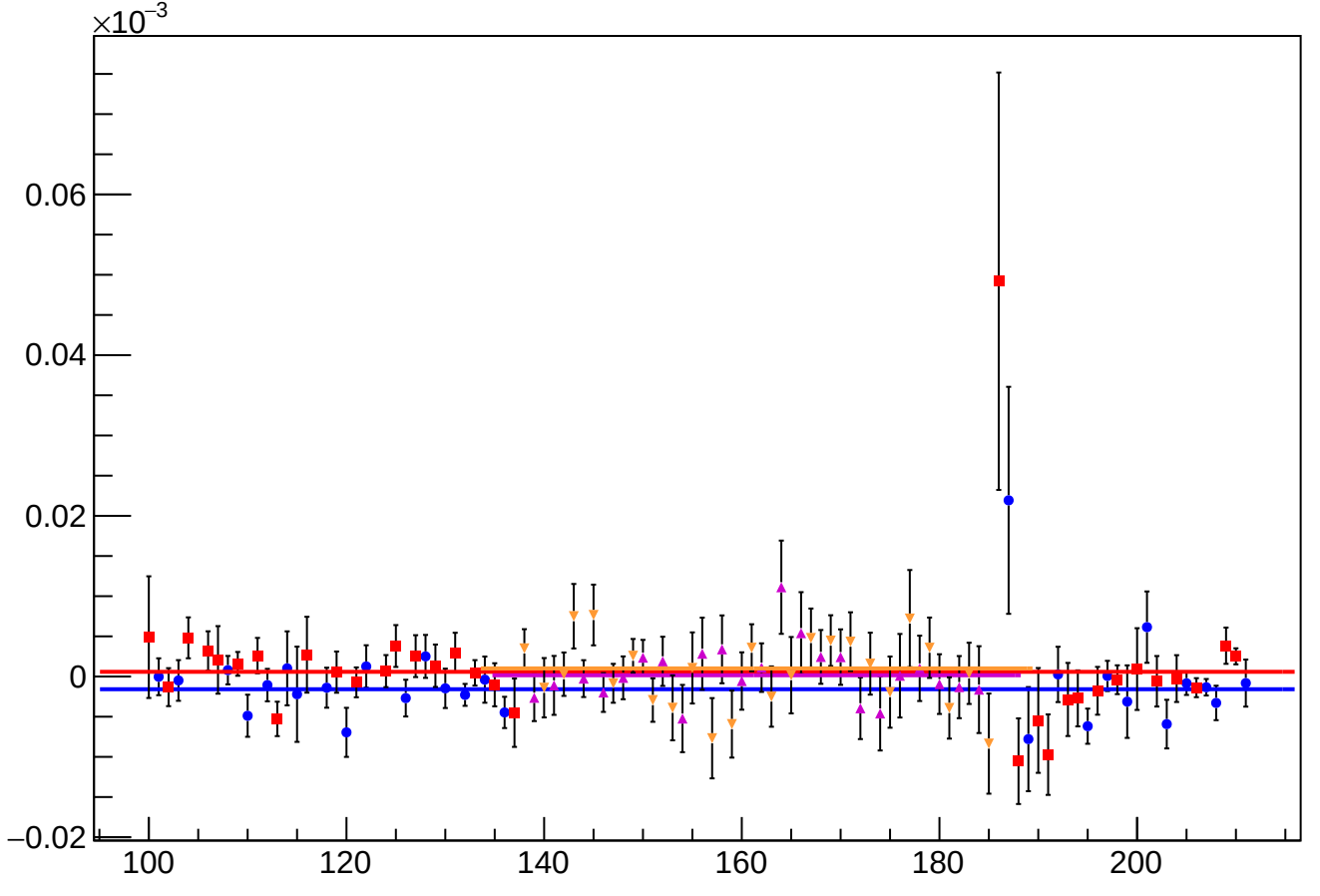
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 48.874+/-0.007 χ^2/NDF: 12692415.7/60

In: 52.880+/-0.007 χ^2/NDF:6805577.8/50

Out: 51.581+/-0.007 χ^2/NDF:9334246.0/57

All: 52.205+/-0.005 χ^2/NDF: 16158841.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.6/32

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

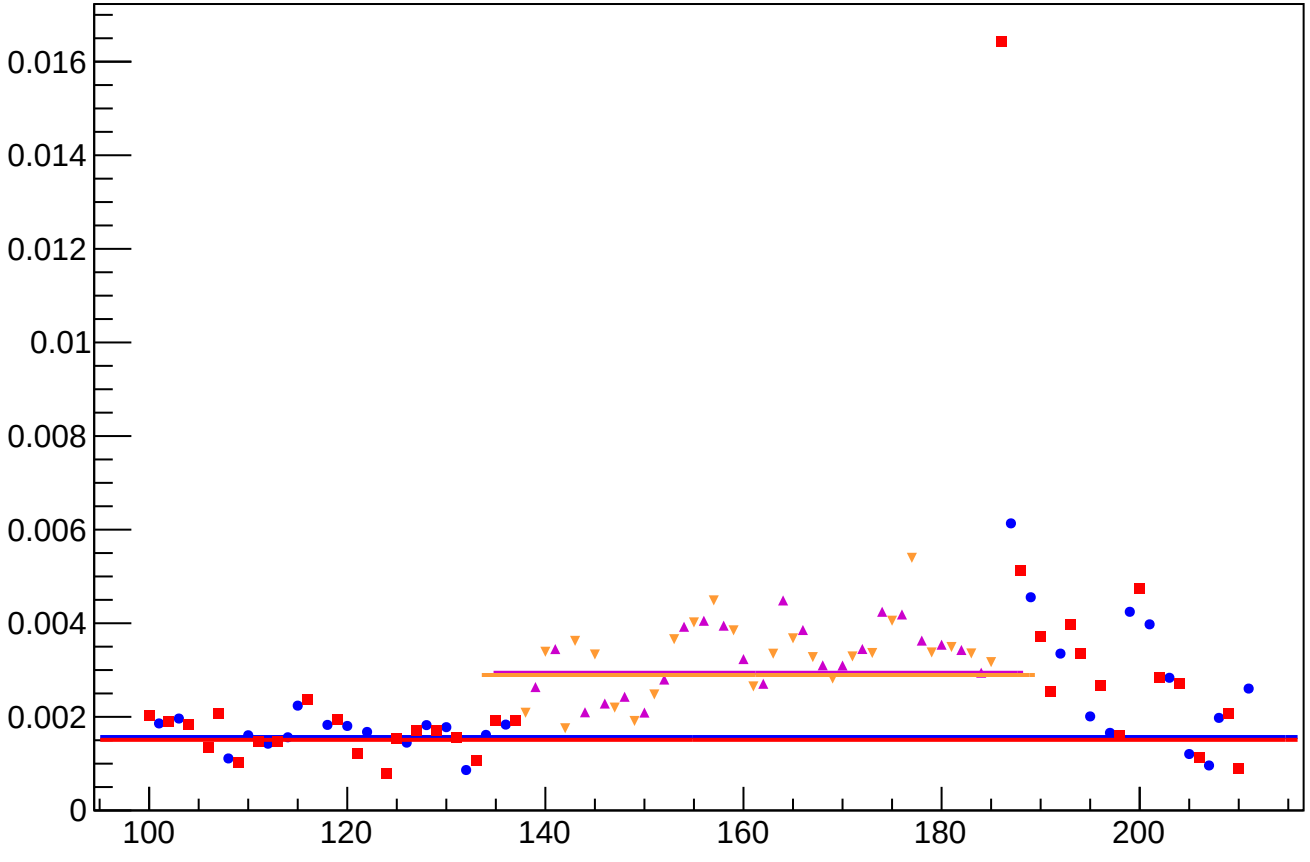
Right: -0.000+/-0.000 χ^2/NDF: 86.6/60

In: -0.000+/-0.000 χ^2/NDF:47.7/50

Out: 0.000+/-0.000 χ^2/NDF:72.4/57

All: -0.000+/-0.000 χ^2/NDF: 133.2/108

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4942535.5/27

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6983641.2/32

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

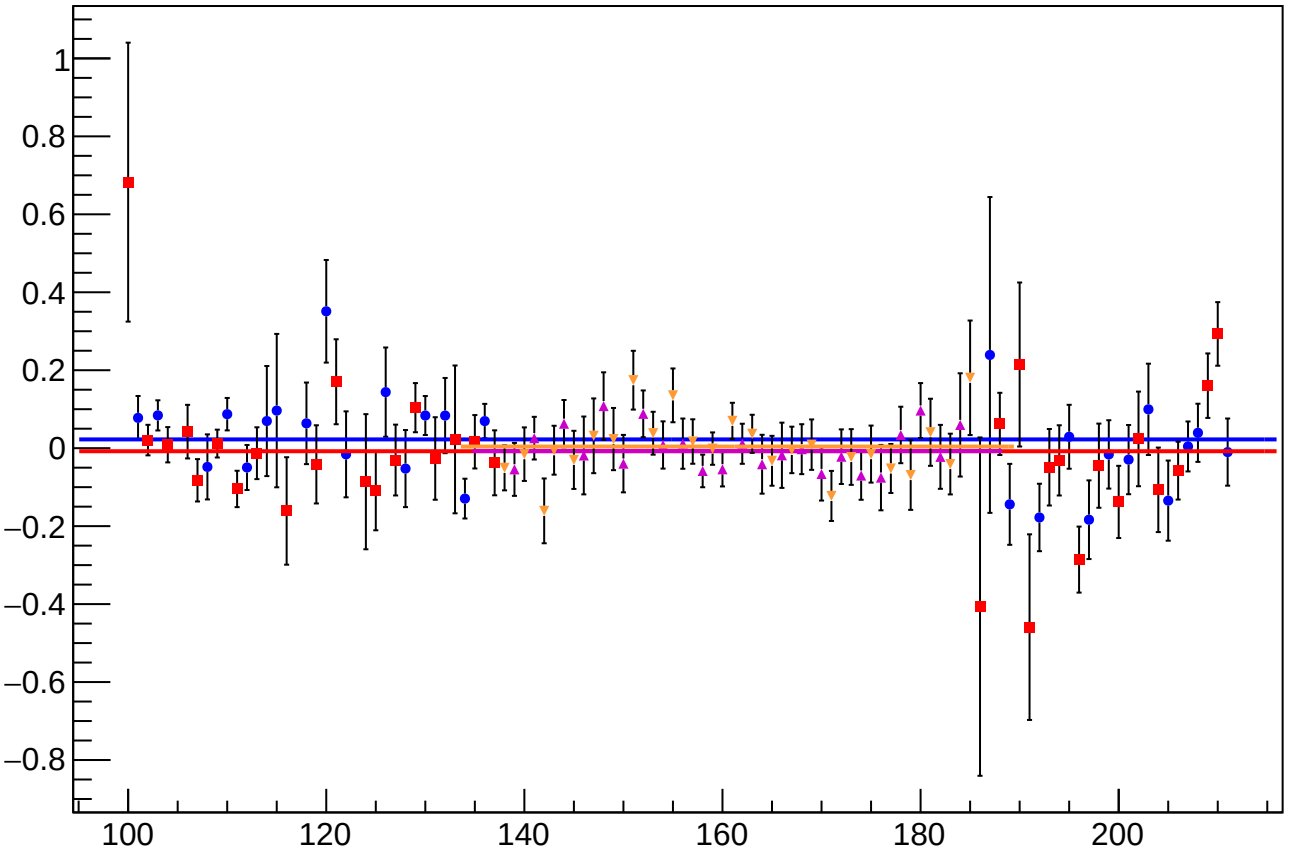
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 11947357.5/60

In: 0.002+/-0.000 χ^2/NDF:12340440.7/50

Out: 0.002+/-0.000 χ^2/NDF:15705369.1/57

All: 0.002+/-0.000 χ^2/NDF: 28083997.0/108



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.008+/-0.013 χ^2/NDF: 58.7/32

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

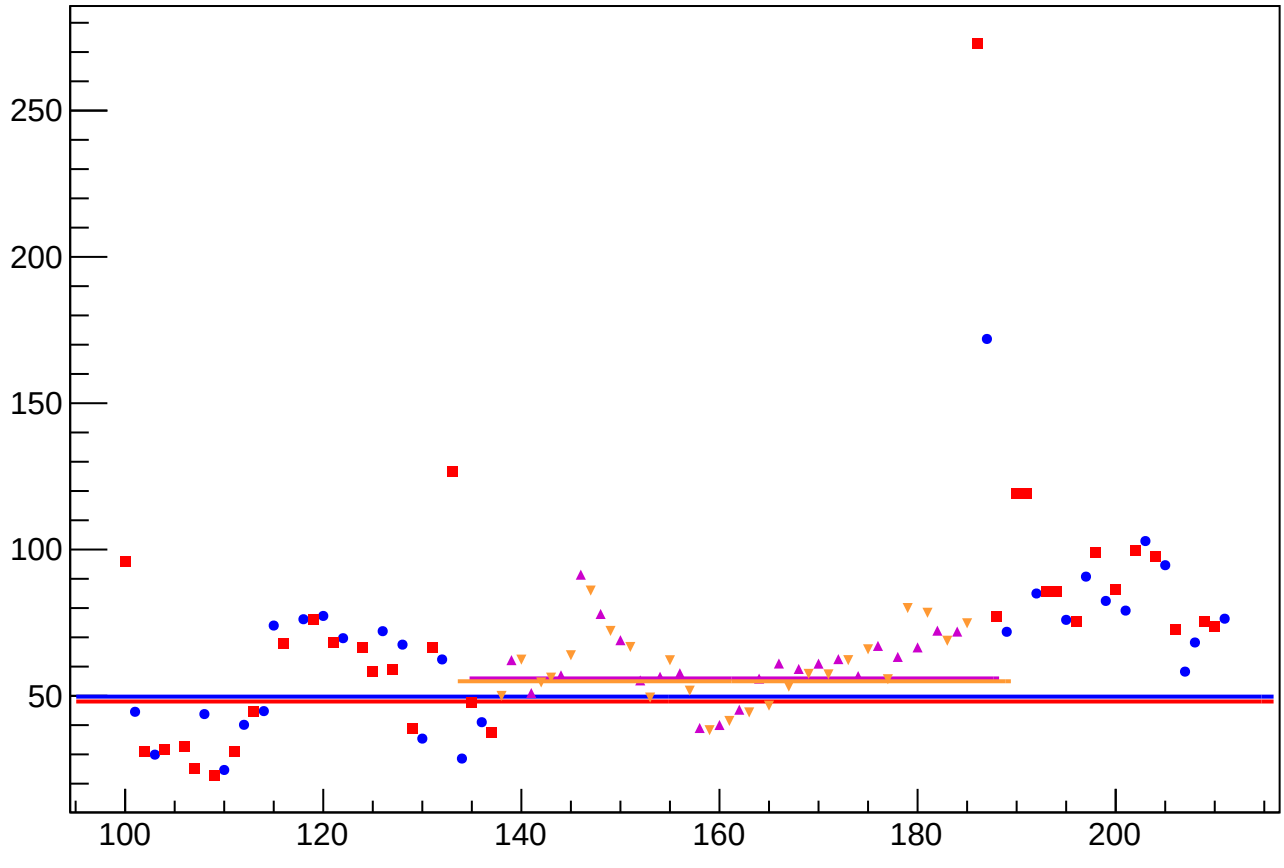
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.007+/-0.009 χ^2/NDF: 105.8/60

In: 0.007+/-0.010 χ^2/NDF:62.0/50

Out: -0.002+/-0.009 χ^2/NDF:83.9/57

All: 0.003+/-0.007 χ^2/NDF: 146.4/108



Right In: 49.738+/-0.010 χ^2/NDF: 5190281.9/27

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 48.071+/-0.009 χ^2/NDF: 7486823.8/32

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

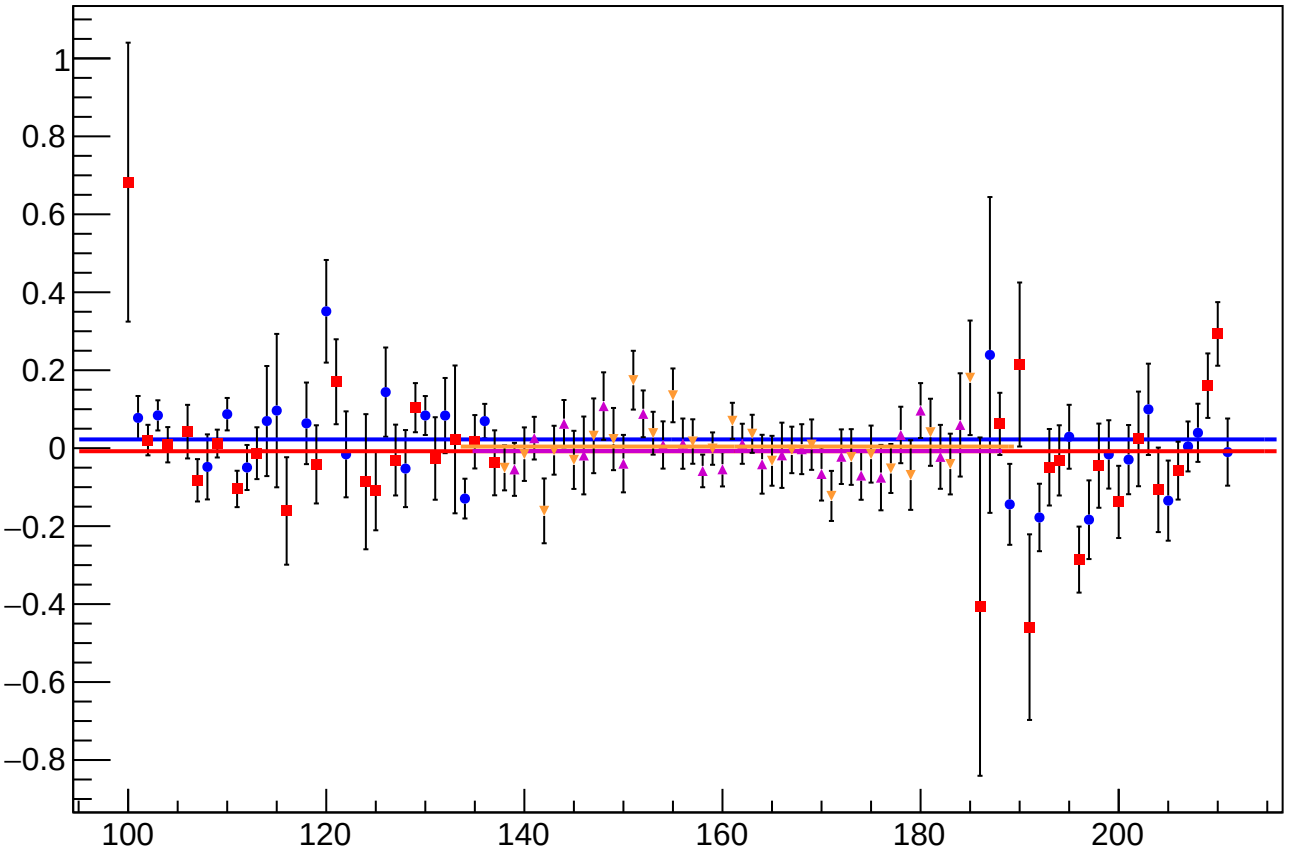
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 48.873+/-0.007 χ^2/NDF: 12692556.0/60

In: 52.879+/-0.007 χ^2/NDF:6805840.3/50

Out: 51.580+/-0.007 χ^2/NDF:9334336.6/57

All: 52.204+/-0.005 χ^2/NDF: 16159189.2/108



Right In: 0.023+/-0.014 χ^2/NDF: 44.5/27

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.008+/-0.013 χ^2/NDF: 58.7/32

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

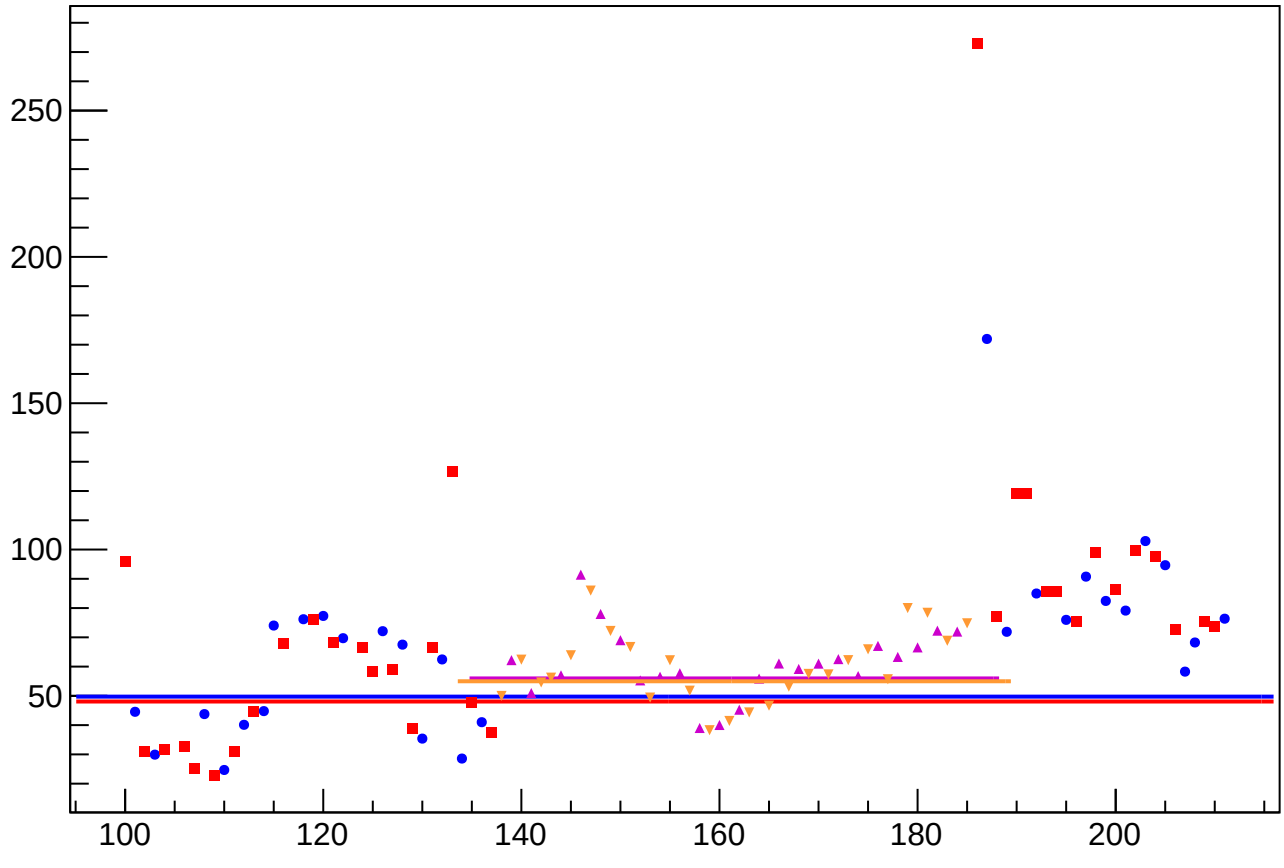
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.007+/-0.009 χ^2/NDF: 105.8/60

In: 0.007+/-0.010 χ^2/NDF:62.0/50

Out: -0.002+/-0.009 χ^2/NDF:83.9/57

All: 0.003+/-0.007 χ^2/NDF: 146.4/108



Right In: 49.738+/-0.010 χ^2/NDF: 5190281.9/27

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 48.071+/-0.009 χ^2/NDF: 7486823.8/32

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

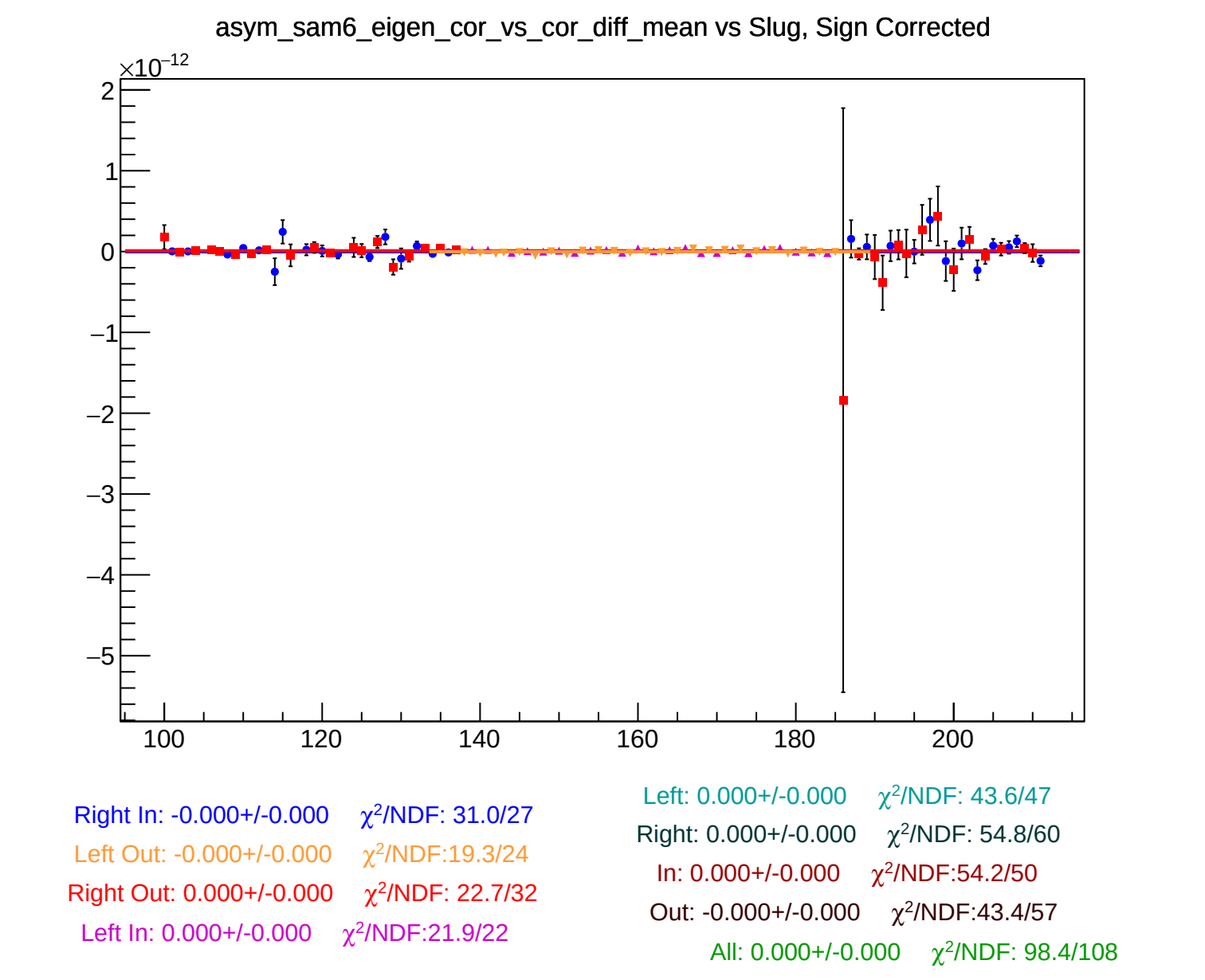
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

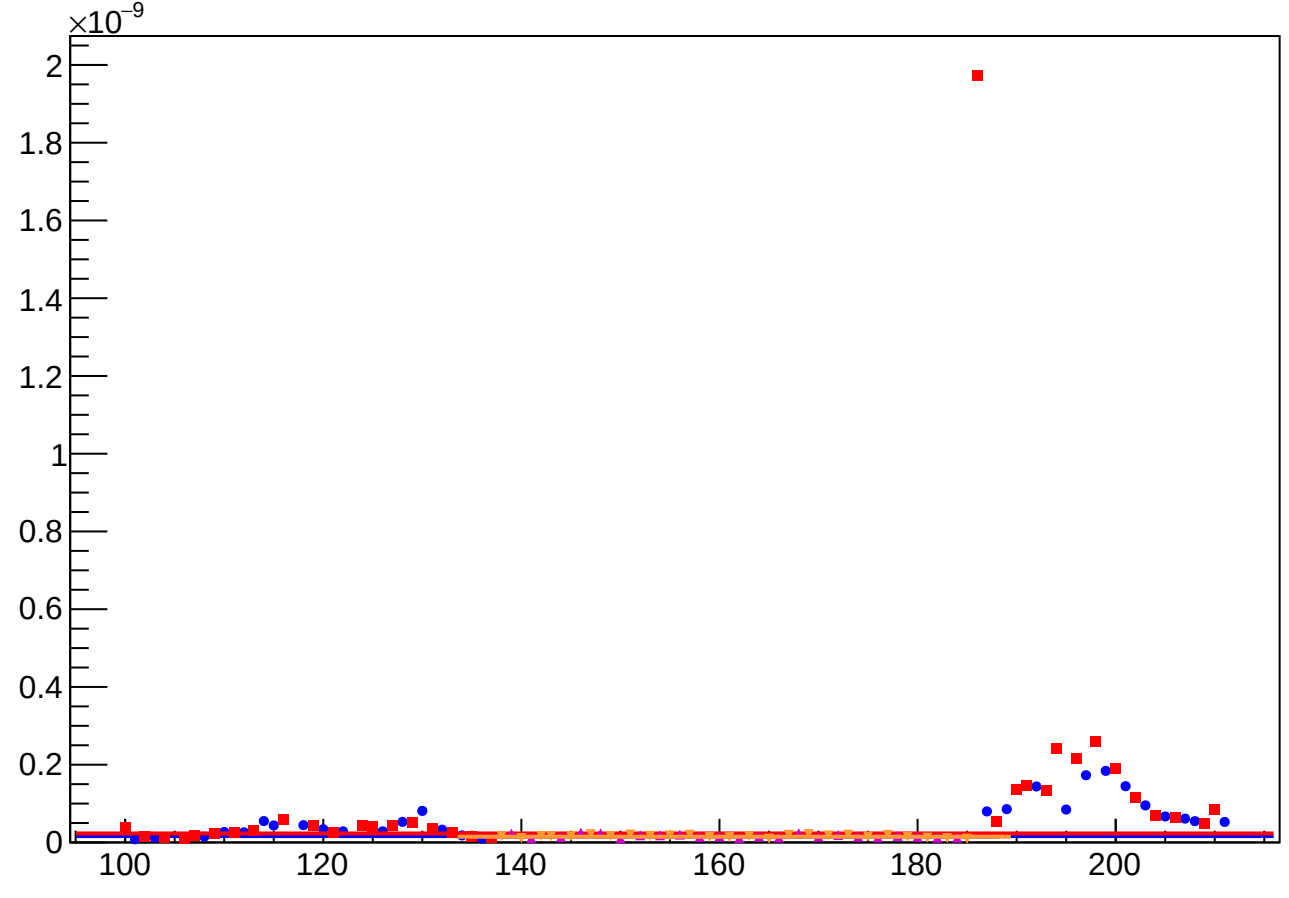
Right: 48.873+/-0.007 χ^2/NDF: 12692556.0/60

In: 52.879+/-0.007 χ^2/NDF:6805840.3/50

Out: 51.580+/-0.007 χ^2/NDF:9334336.6/57

All: 52.204+/-0.005 χ^2/NDF: 16159189.2/108


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: 31.0/27
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/32
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: 54.8/60
In: 0.000+/-0.000 χ²/NDF:54.2/50
Out: -0.000+/-0.000 χ²/NDF:43.4/57
All: 0.000+/-0.000 χ²/NDF: 98.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 11287864.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11089676.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

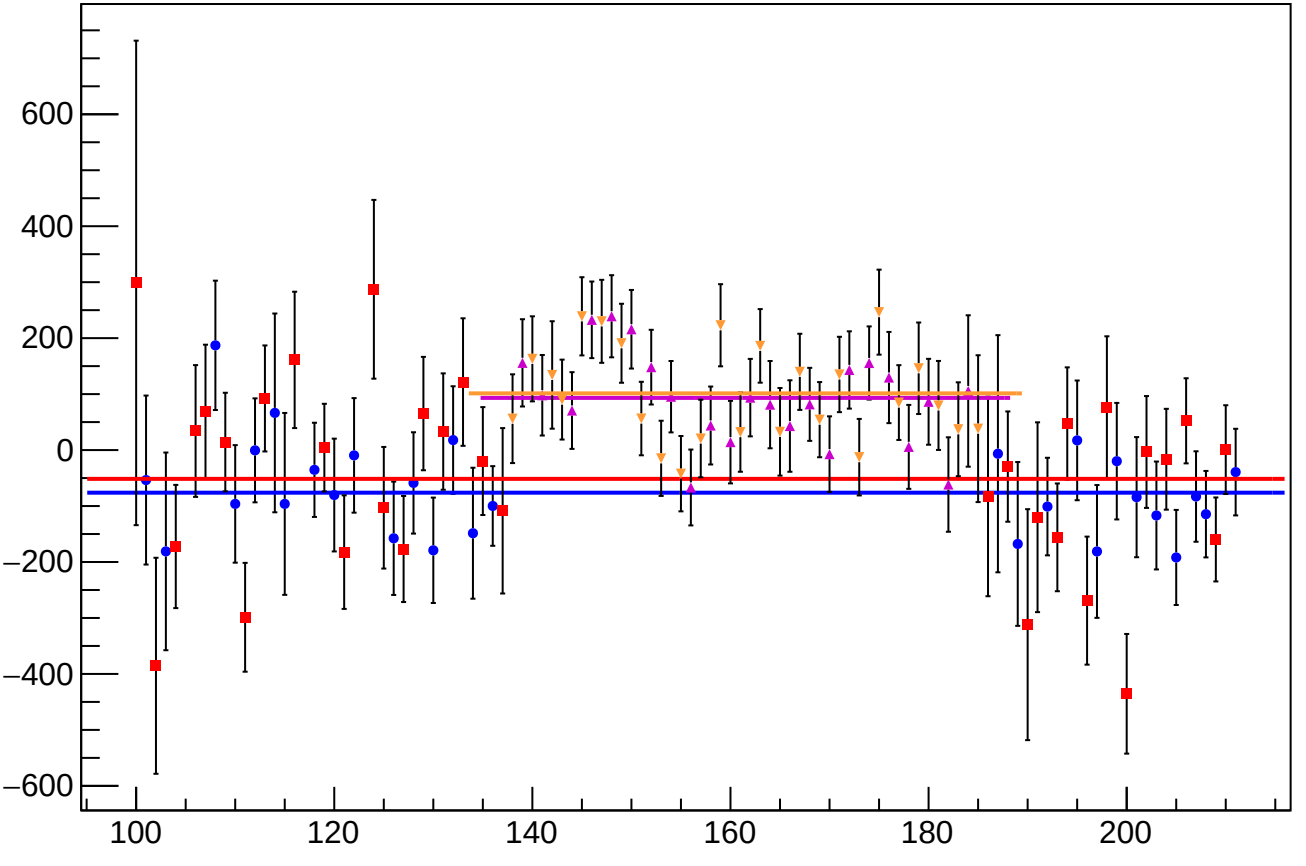
Right: 0.000+/-0.000 χ^2/NDF: 23078470.6/60

In: 0.000+/-0.000 χ^2/NDF:12781595.6/50

Out: 0.000+/-0.000 χ^2/NDF:13972692.0/57

All: 0.000+/-0.000 χ^2/NDF: 26816508.9/108

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.141+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -51.440+/-18.427 χ^2/NDF: 58.2/32

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

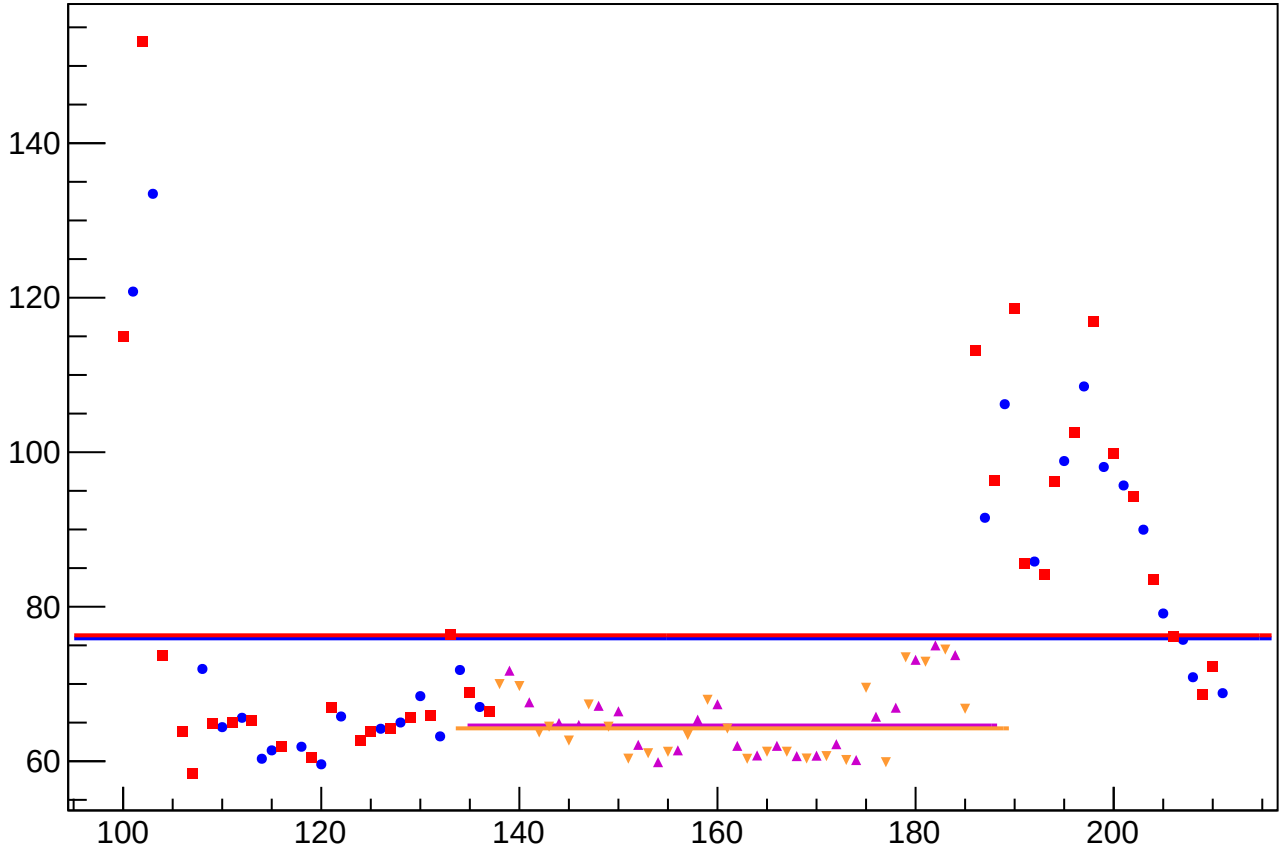
Right: -63.356+/-13.257 χ^2/NDF: 75.0/60

In: 27.838+/-11.860 χ^2/NDF:93.0/50

Out: 42.202+/-11.463 χ^2/NDF:134.2/57

All: 35.264+/-8.242 χ^2/NDF: 228.1/108

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.909+/-0.013 χ^2/NDF: 1330741.8/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.299+/-0.013 χ^2/NDF: 1611051.8/32

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

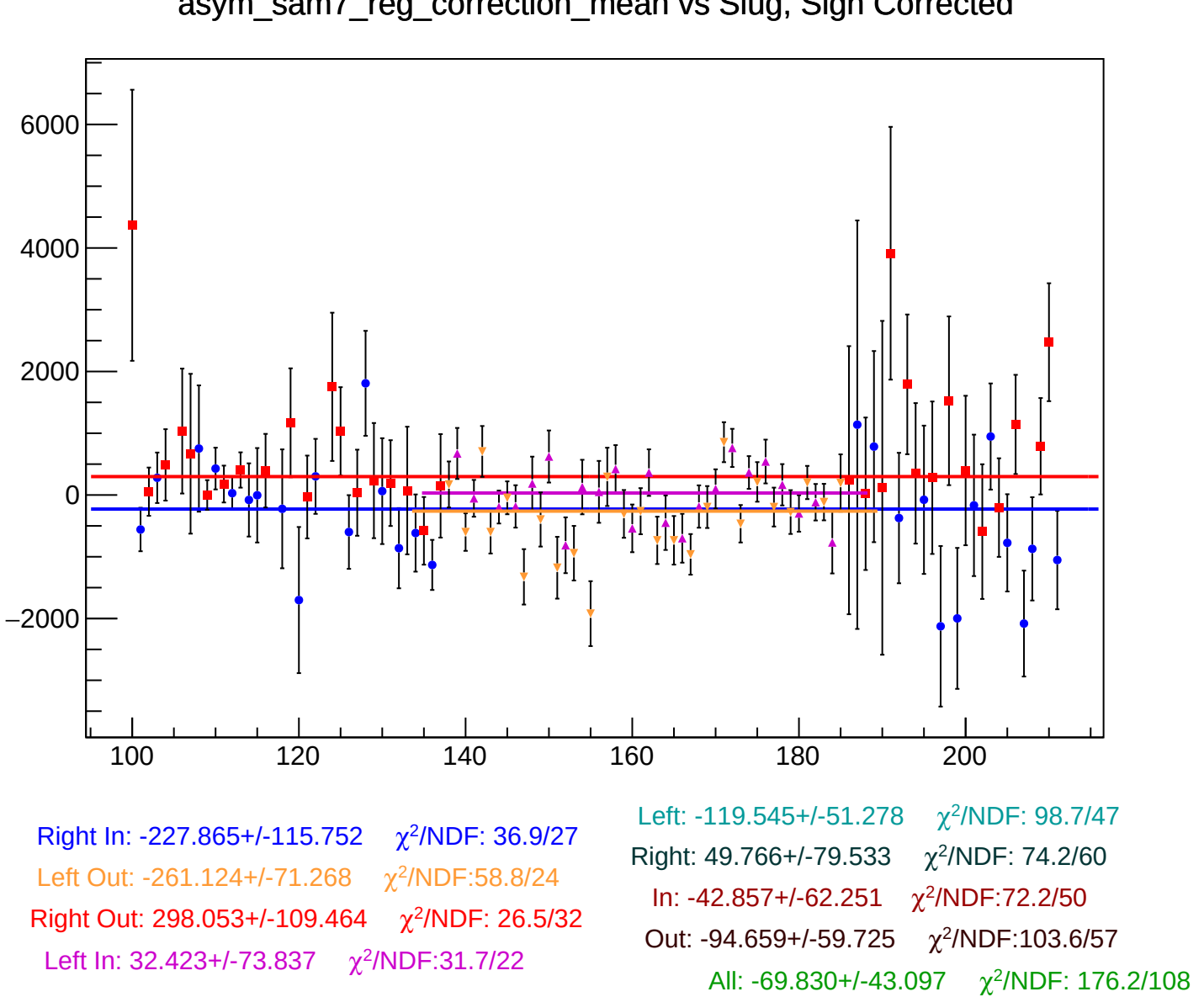
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

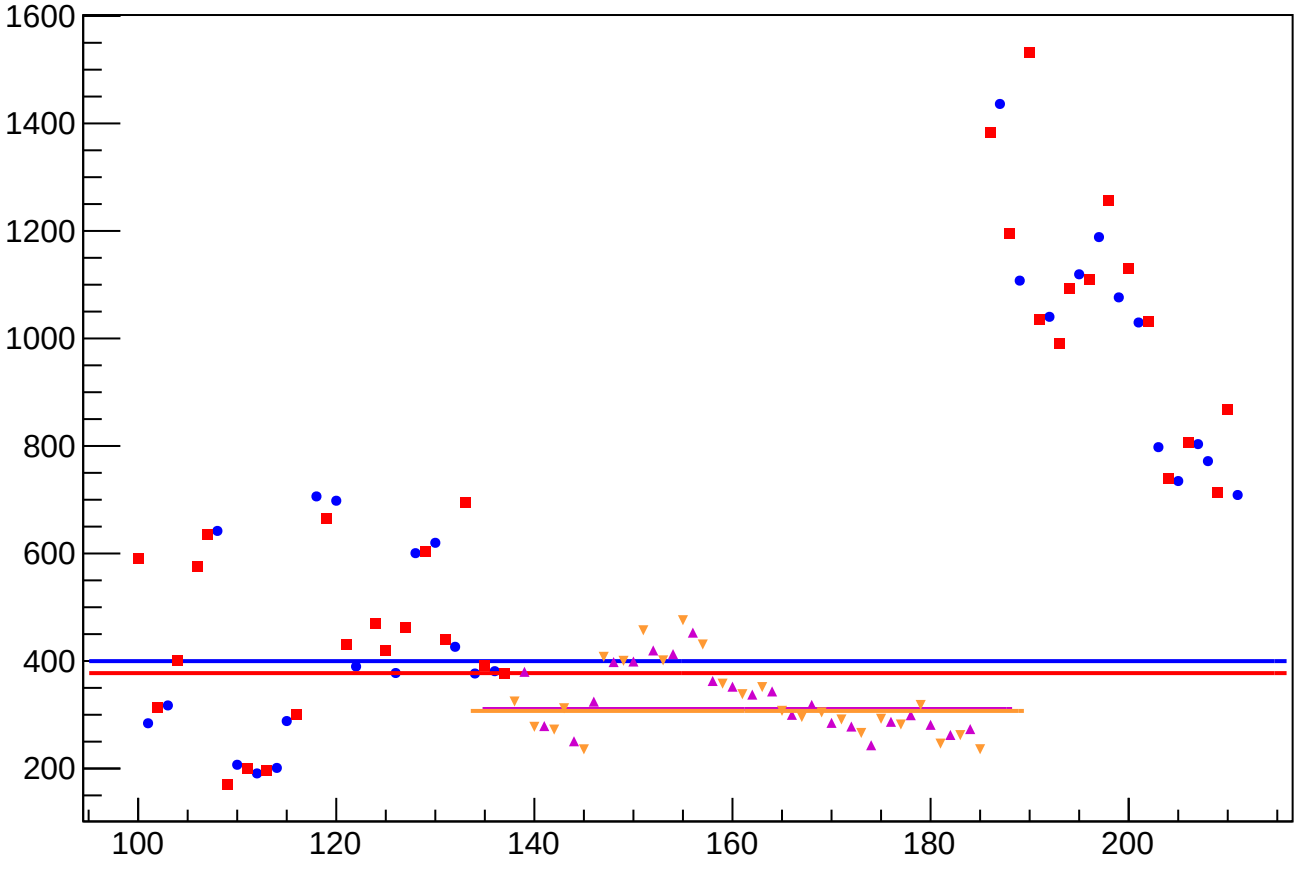
Right: 76.111+/-0.009 χ^2/NDF: 2942226.9/60

In: 68.979+/-0.008 χ^2/NDF:1907374.4/50

Out: 68.917+/-0.008 χ^2/NDF:2312475.2/57

All: 68.947+/-0.006 χ^2/NDF: 4219878.5/108


asym_sam7_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -227.865+/-115.752 χ²/NDF: 36.9/27
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 298.053+/-109.464 χ²/NDF: 26.5/32
Left In: 32.423+/-73.837 χ²/NDF:31.7/22
Left: -119.545+/-51.278 χ²/NDF: 98.7/47
Right: 49.766+/-79.533 χ²/NDF: 74.2/60
In: -42.857+/-62.251 χ²/NDF:72.2/50
Out: -94.659+/-59.725 χ²/NDF:103.6/57
All: -69.830+/-43.097 χ²/NDF: 176.2/108



Right In: 399.777+/-0.082 χ^2/NDF: 9152849.9/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 377.478+/-0.077 χ^2/NDF: 12026129.0/32

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

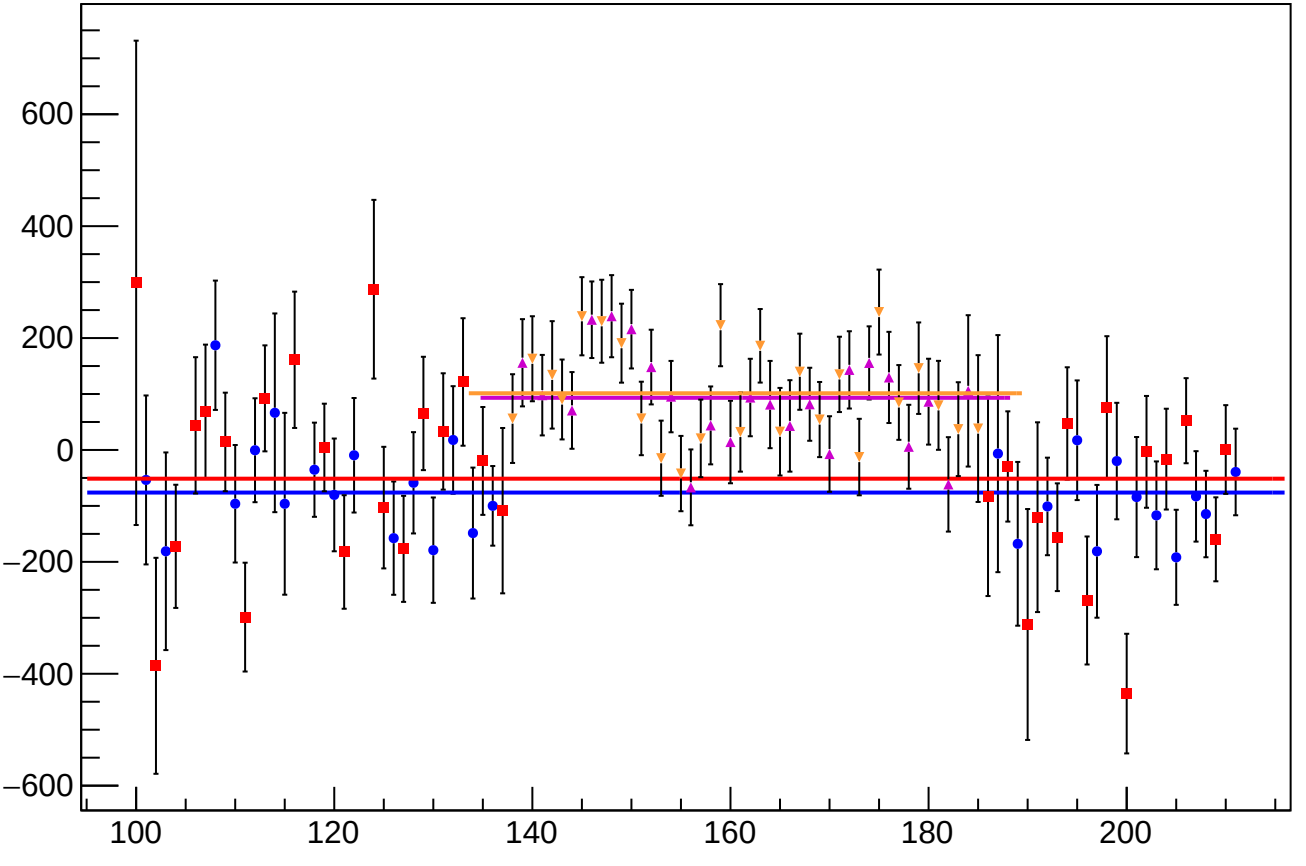
Right: 388.005+/-0.056 χ^2/NDF: 21218162.4/60

In: 336.461+/-0.044 χ^2/NDF:11074231.3/50

Out: 328.081+/-0.042 χ^2/NDF:13926172.3/57

All: 332.098+/-0.030 χ^2/NDF: 25019273.0/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.143+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -51.350+/-18.442 χ^2/NDF: 58.3/32

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

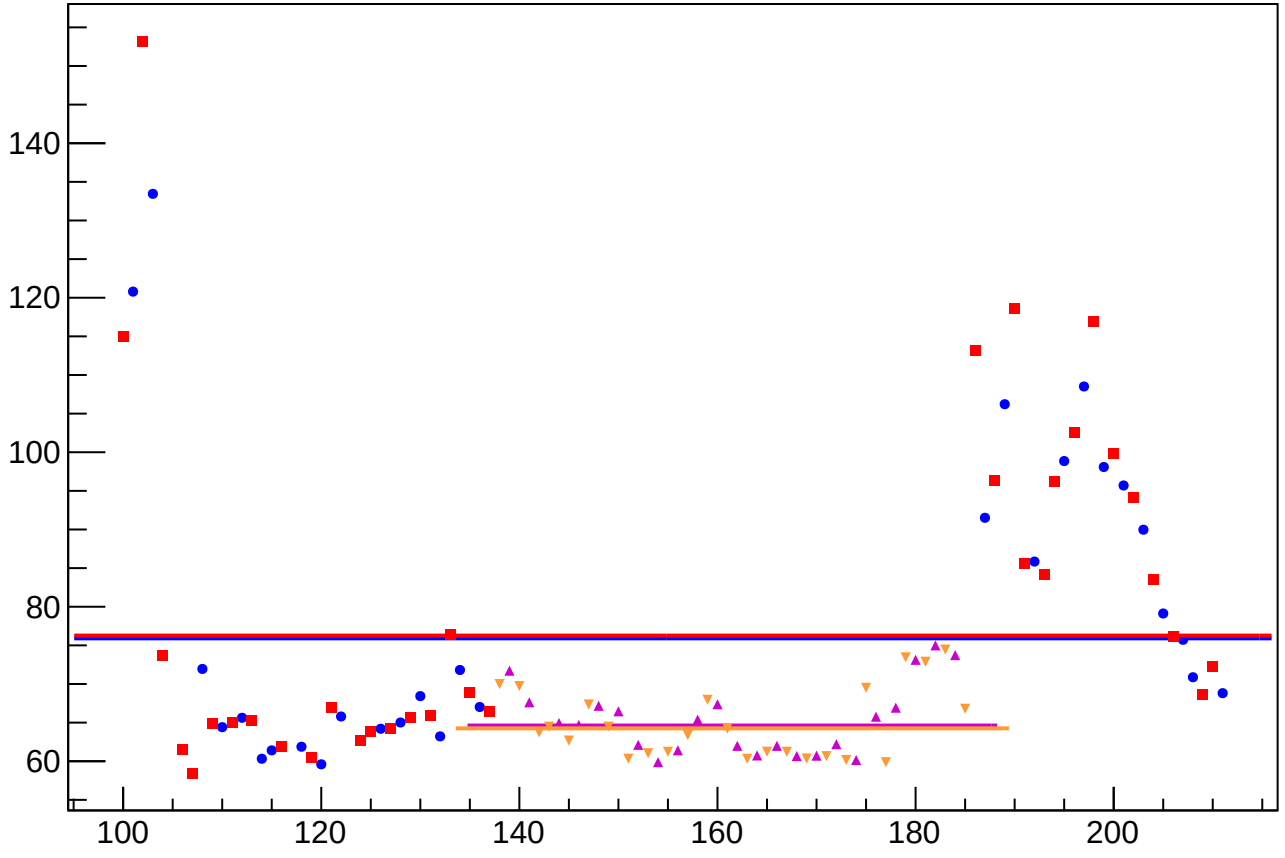
Right: -63.321+/-13.262 χ^2/NDF: 75.1/60

In: 27.837+/-11.860 χ^2/NDF:93.0/50

Out: 42.295+/-11.467 χ^2/NDF:134.2/57

All: 35.309+/-8.244 χ^2/NDF: 228.1/108

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.909+/-0.013 χ^2/NDF: 1330742.2/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.265+/-0.013 χ^2/NDF: 1618250.1/32

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

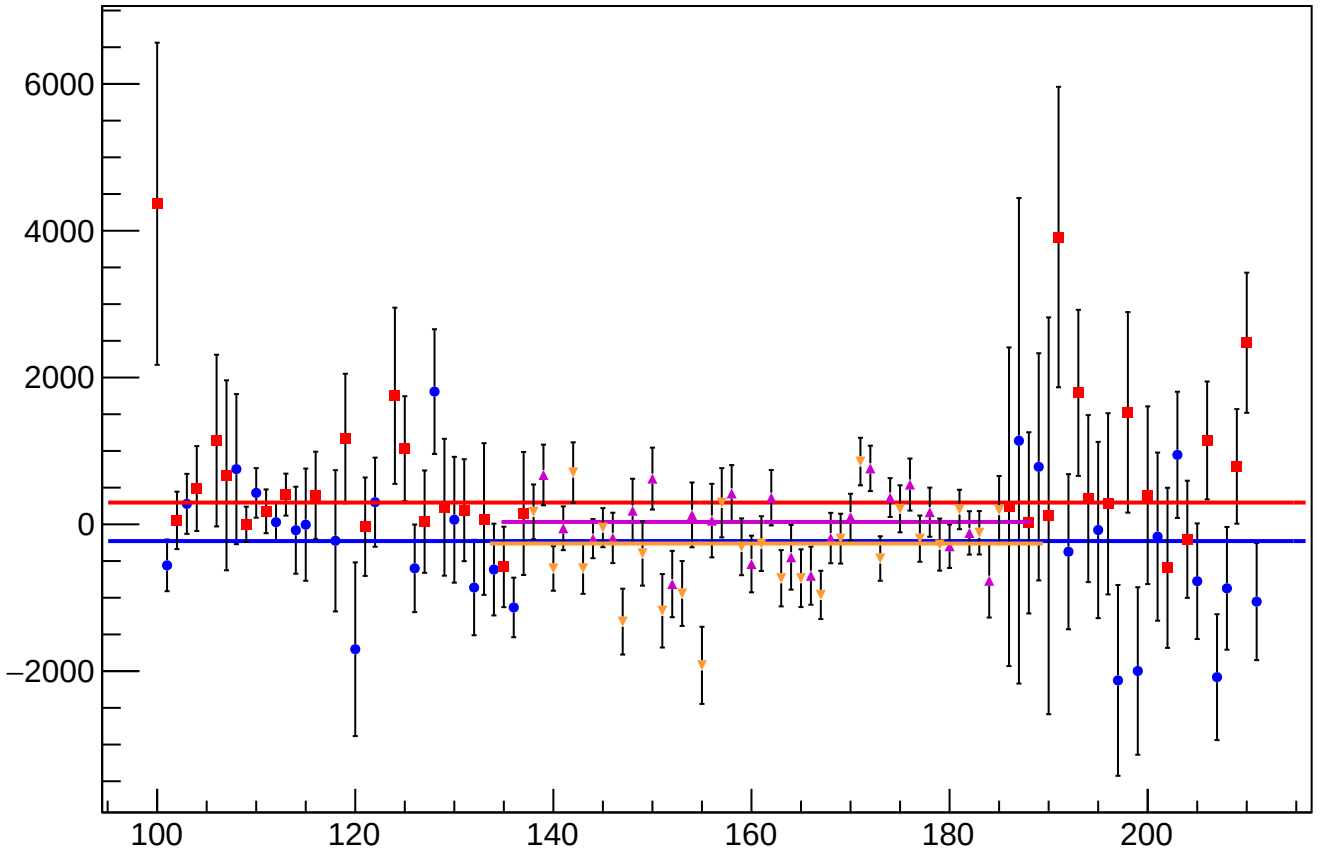
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.093+/-0.009 χ^2/NDF: 2949352.7/60

In: 68.979+/-0.008 χ^2/NDF:1907374.8/50

Out: 68.899+/-0.008 χ^2/NDF:2316193.1/57

All: 68.938+/-0.006 χ^2/NDF: 4223615.5/108



Right In: -227.863+/-115.753 χ^2/NDF: 36.9/27

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 296.811+/-109.631 χ^2/NDF: 26.4/32

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

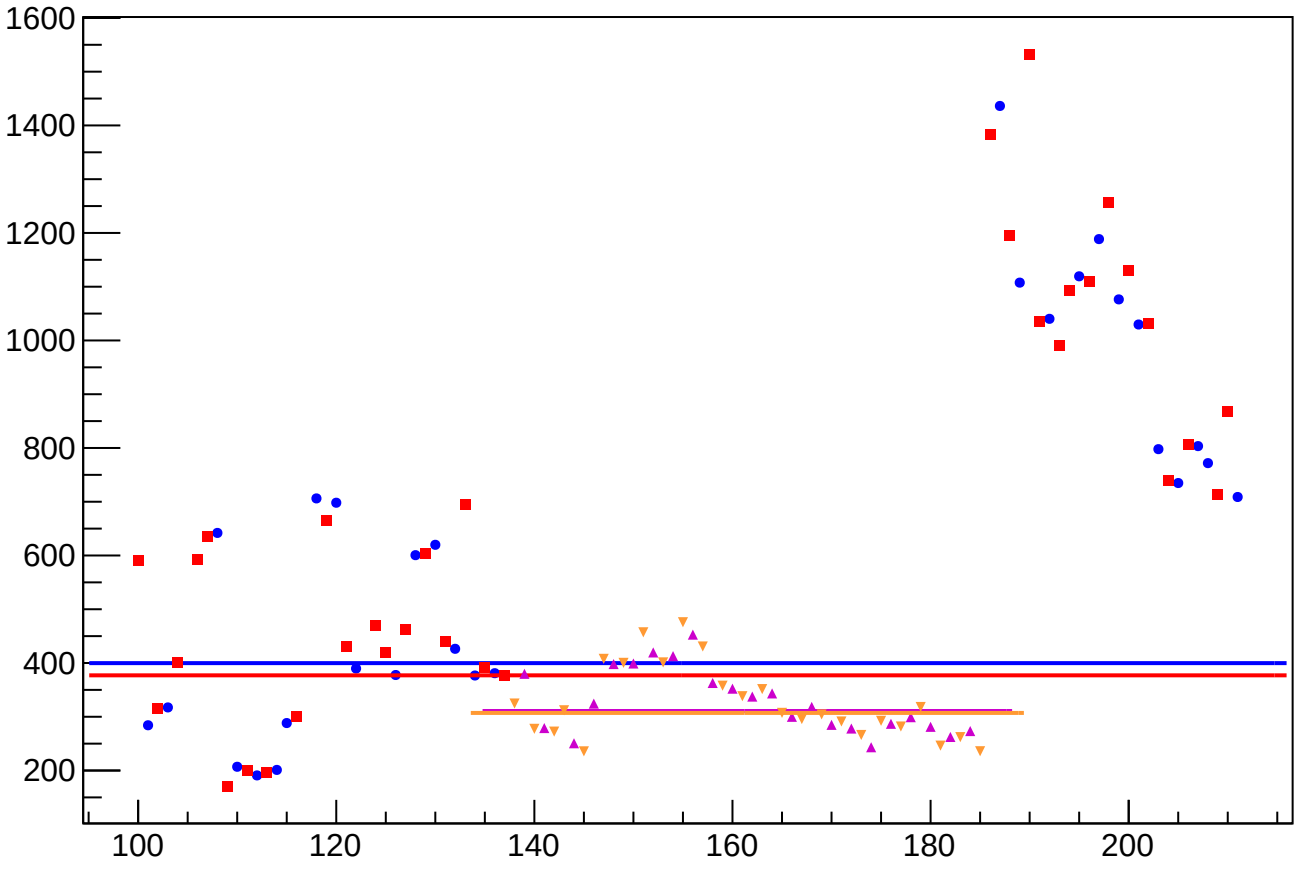
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 48.716+/-79.597 χ^2/NDF: 74.2/60

In: -42.858+/-62.251 χ^2/NDF:72.2/50

Out: -95.383+/-59.752 χ^2/NDF:103.5/57

All: -70.196+/-43.107 χ^2/NDF: 176.0/108



Right In: 399.780+/-0.082 χ^2/NDF: 9152796.7/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 377.065+/-0.078 χ^2/NDF: 12017346.8/32

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

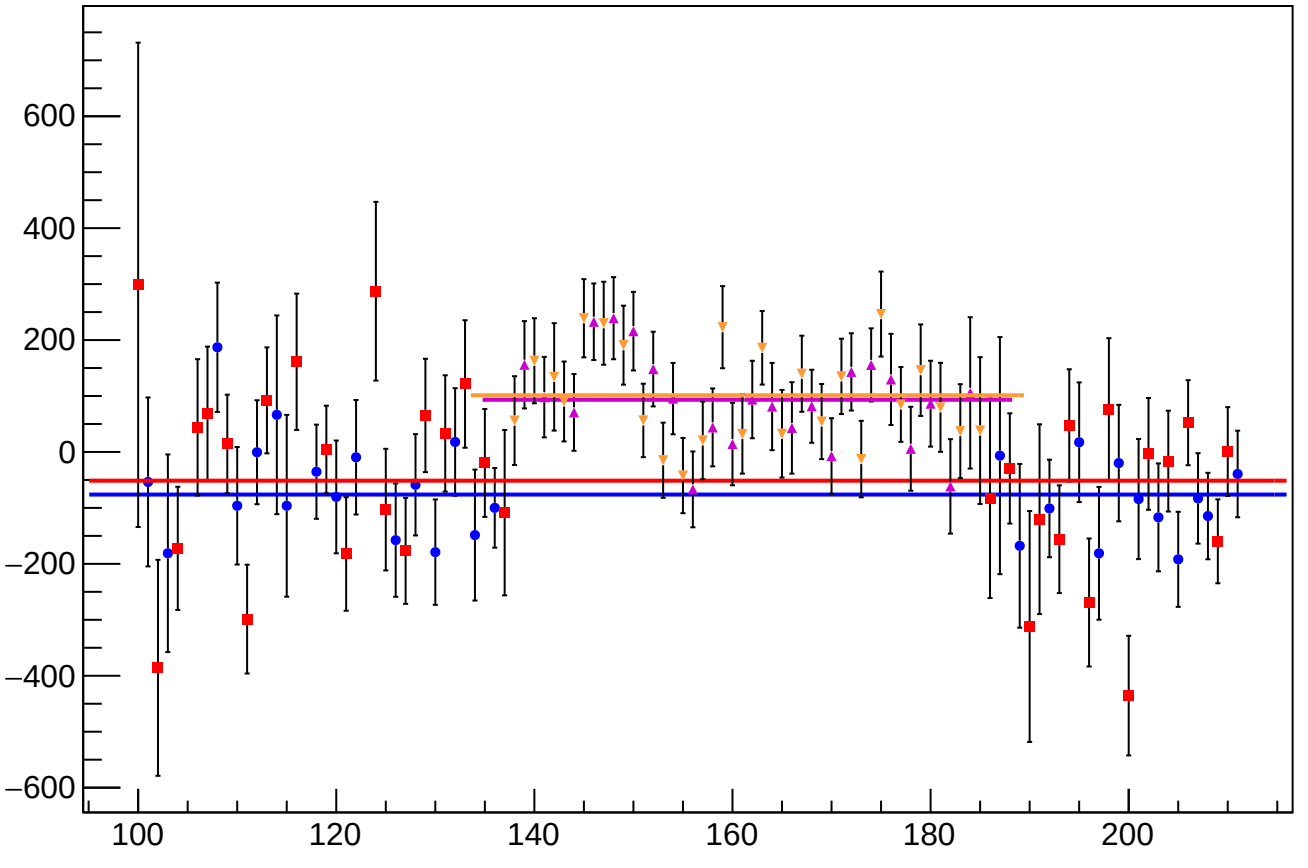
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 387.806+/-0.056 χ^2/NDF: 21210740.8/60

In: 336.462+/-0.044 χ^2/NDF:11074221.5/50

Out: 327.914+/-0.042 χ^2/NDF:13909387.2/57

All: 332.013+/-0.030 χ^2/NDF: 25003232.9/10



Right In: -76.143+/-19.086 χ^2/NDF: 15.9/27

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -51.350+/-18.442 χ^2/NDF: 58.3/32

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

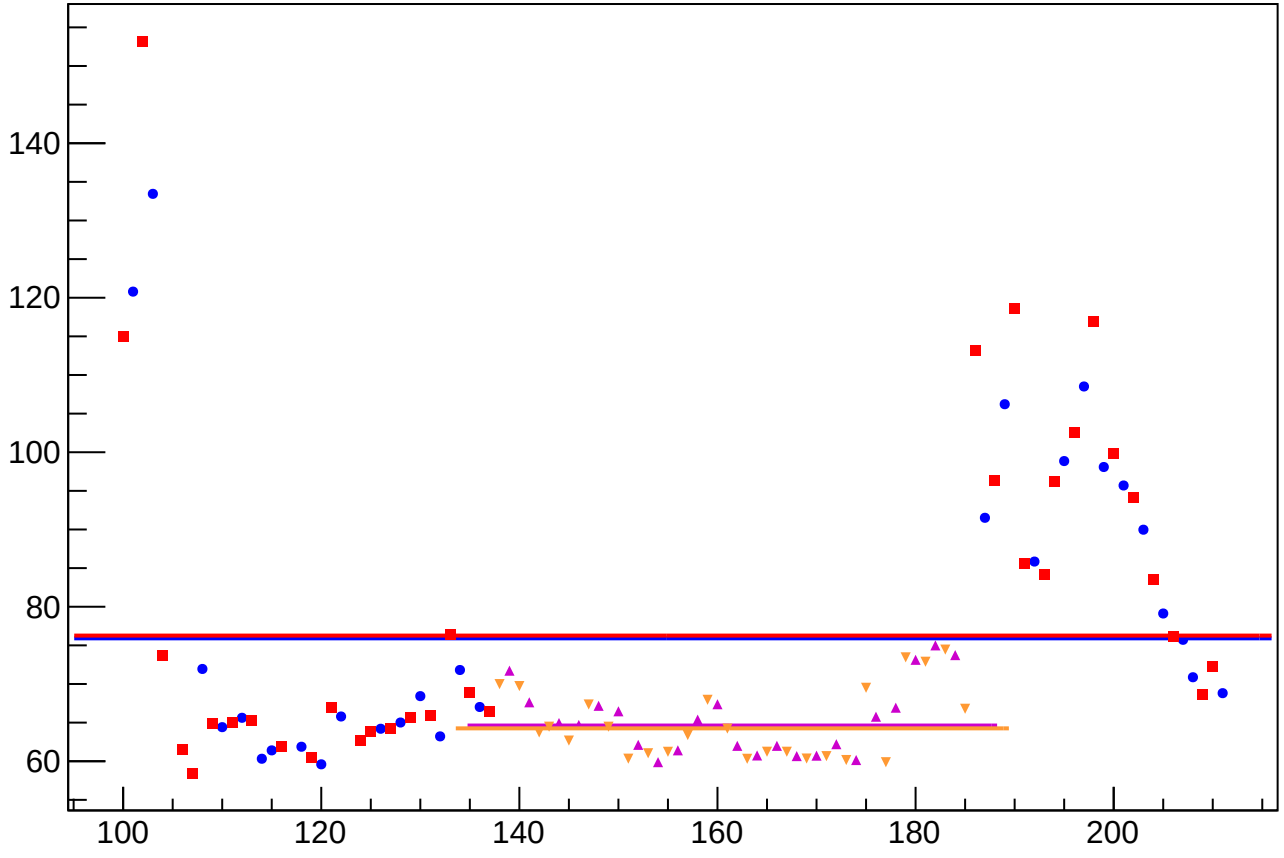
Right: -63.321+/-13.262 χ^2/NDF: 75.1/60

In: 27.837+/-11.860 χ^2/NDF:93.0/50

Out: 42.295+/-11.467 χ^2/NDF:134.2/57

All: 35.309+/-8.244 χ^2/NDF: 228.1/108

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.909+/-0.013 χ^2/NDF: 1330742.2/27

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.265+/-0.013 χ^2/NDF: 1618250.1/32

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

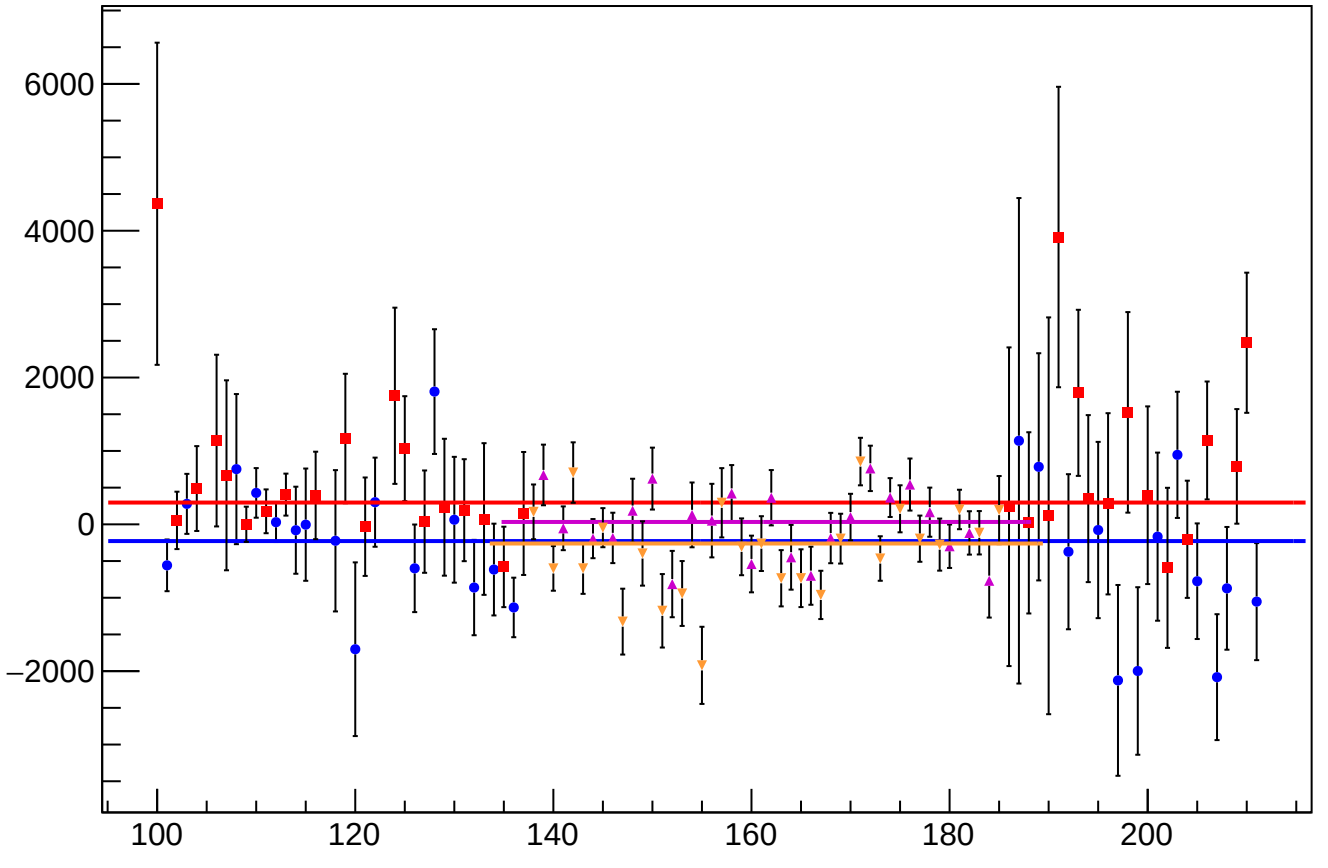
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.093+/-0.009 χ^2/NDF: 2949352.7/60

In: 68.979+/-0.008 χ^2/NDF:1907374.8/50

Out: 68.899+/-0.008 χ^2/NDF:2316193.1/57

All: 68.938+/-0.006 χ^2/NDF: 4223615.5/108



Right In: -227.863+/-115.753 χ^2/NDF: 36.9/27

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 296.811+/-109.631 χ^2/NDF: 26.4/32

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

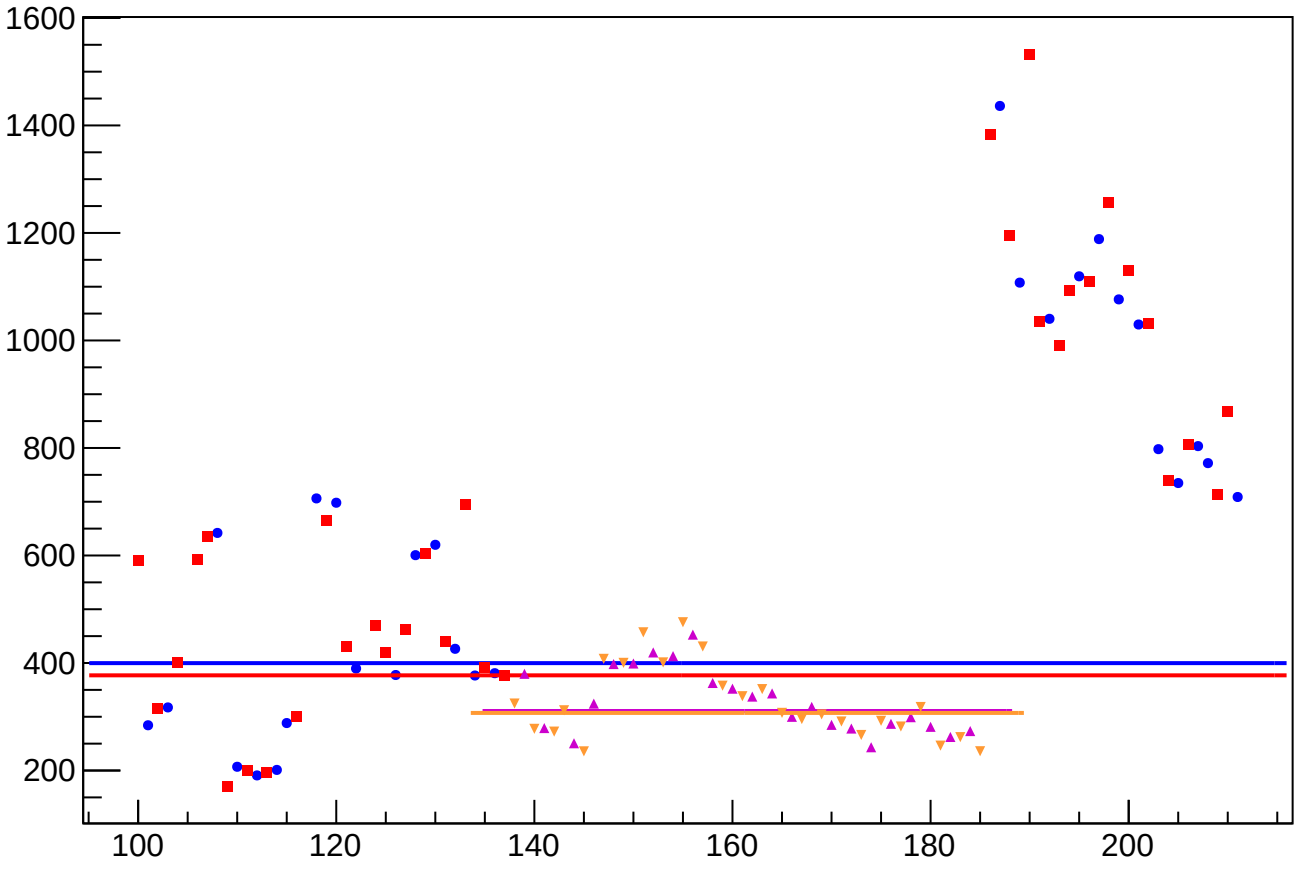
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 48.716+/-79.597 χ^2/NDF: 74.2/60

In: -42.858+/-62.251 χ^2/NDF:72.2/50

Out: -95.383+/-59.752 χ^2/NDF:103.5/57

All: -70.196+/-43.107 χ^2/NDF: 176.0/108



Right In: 399.780+/-0.082 χ^2/NDF: 9152796.7/27

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 377.065+/-0.078 χ^2/NDF: 12017346.8/32

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

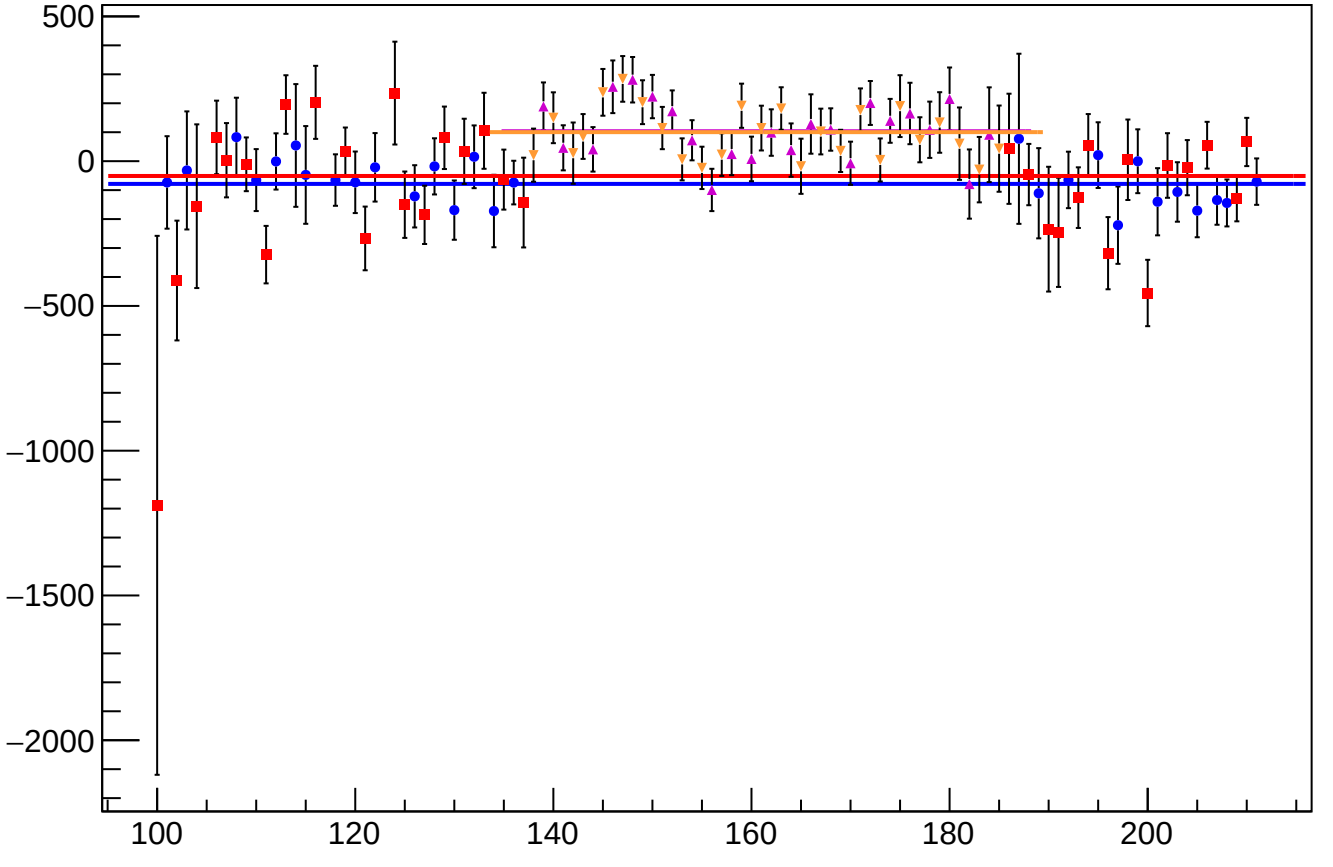
Right: 387.806+/-0.056 χ^2/NDF: 21210740.8/60

In: 336.462+/-0.044 χ^2/NDF:11074221.5/50

Out: 327.914+/-0.042 χ^2/NDF:13909387.2/57

All: 332.013+/-0.030 χ^2/NDF: 25003232.9/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.518+/-20.520 χ^2/NDF: 10.7/27

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -51.135+/-19.911 χ^2/NDF: 63.2/32

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

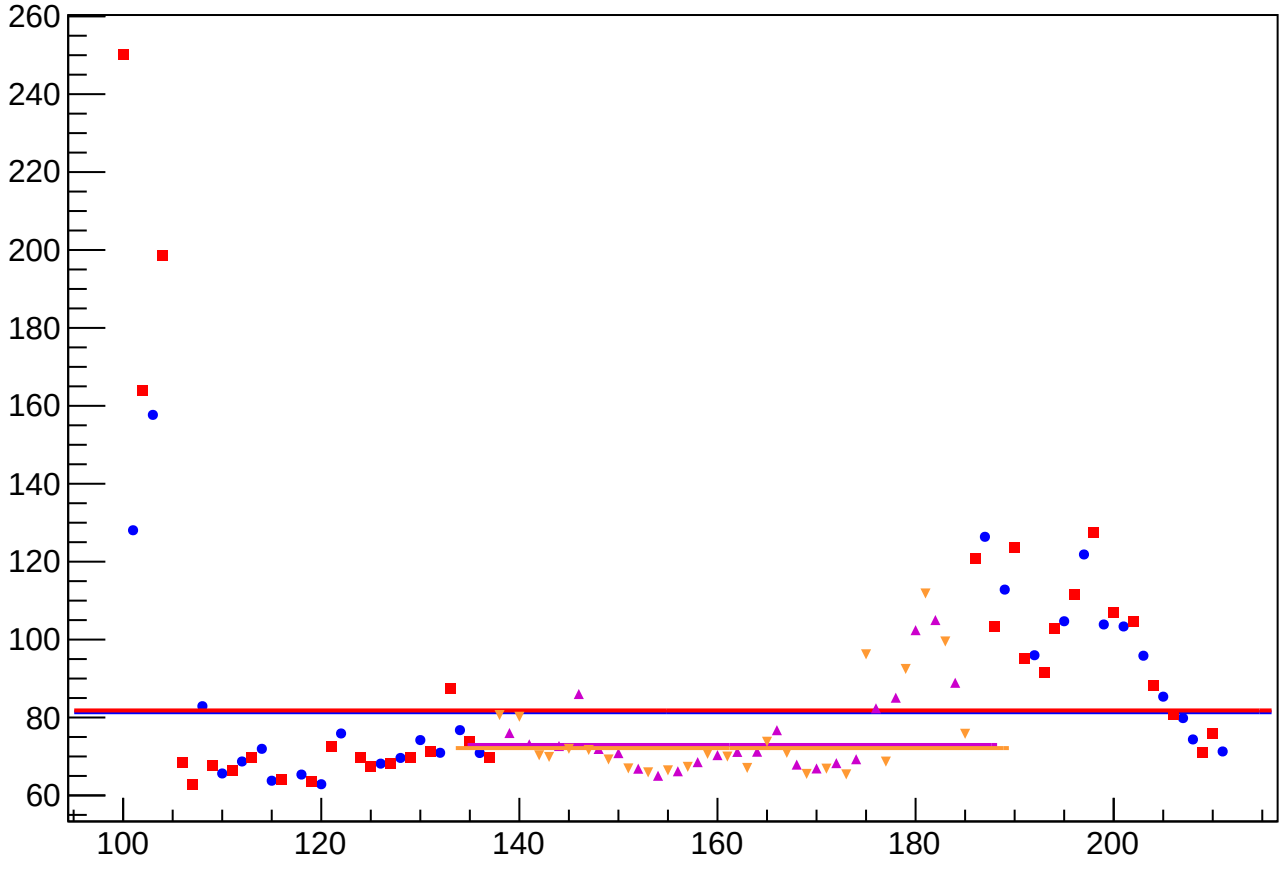
Right: -64.414+/-14.290 χ^2/NDF: 74.8/60

In: 27.998+/-13.209 χ^2/NDF:89.4/50

Out: 38.078+/-12.761 χ^2/NDF:125.0/57

All: 33.212+/-9.178 χ^2/NDF: 214.7/108

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.358+/-0.015 χ^2/NDF: 1500865.8/27

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.813+/-0.014 χ^2/NDF: 2126943.5/32

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

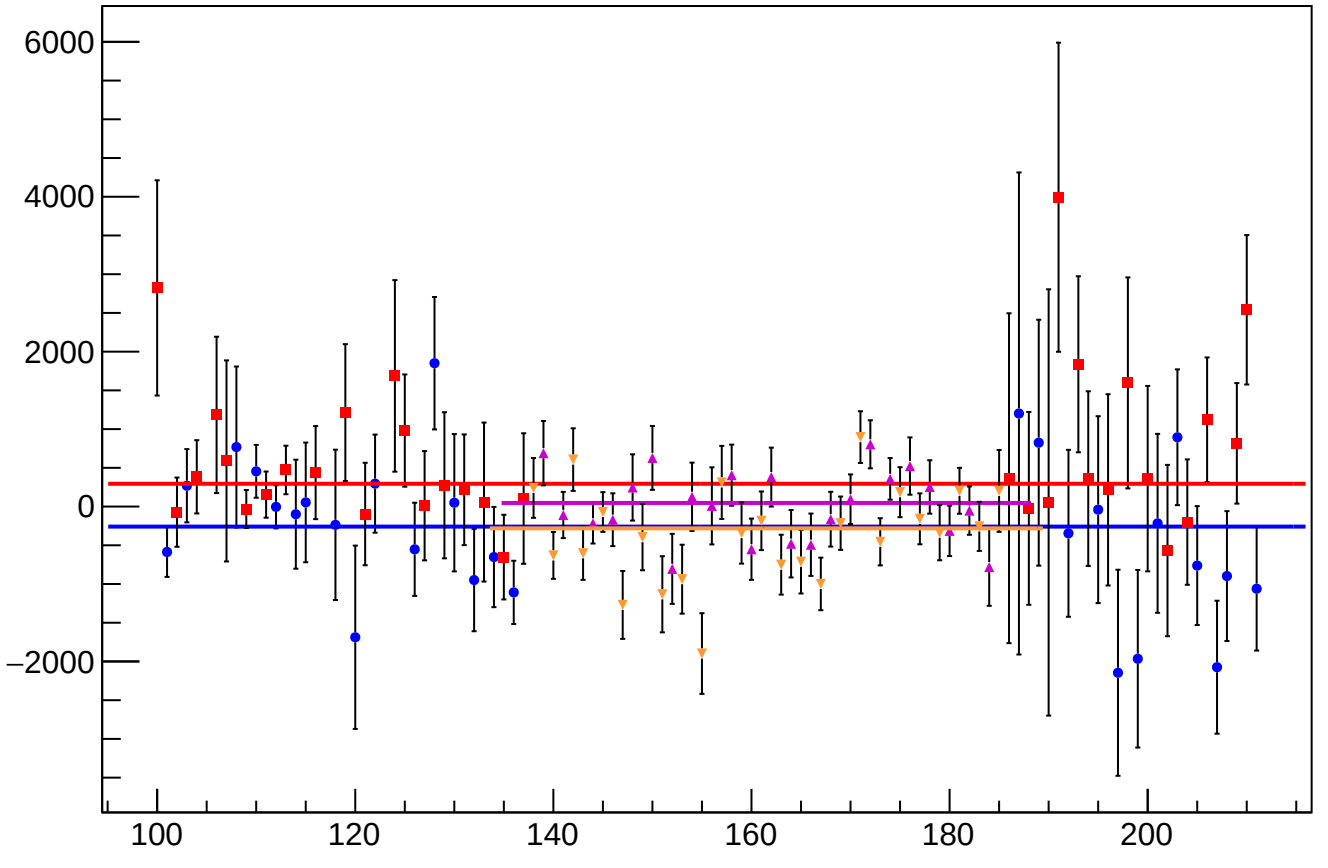
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.593+/-0.010 χ^2/NDF: 3628316.9/60

In: 76.433+/-0.009 χ^2/NDF:2206625.1/50

Out: 76.119+/-0.009 χ^2/NDF:3046514.9/57

All: 76.271+/-0.006 χ^2/NDF: 5253722.5/108



Right In: -258.859+/-117.777 χ^2/NDF: 36.3/27

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 294.248+/-111.372 χ^2/NDF: 28.3/32

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

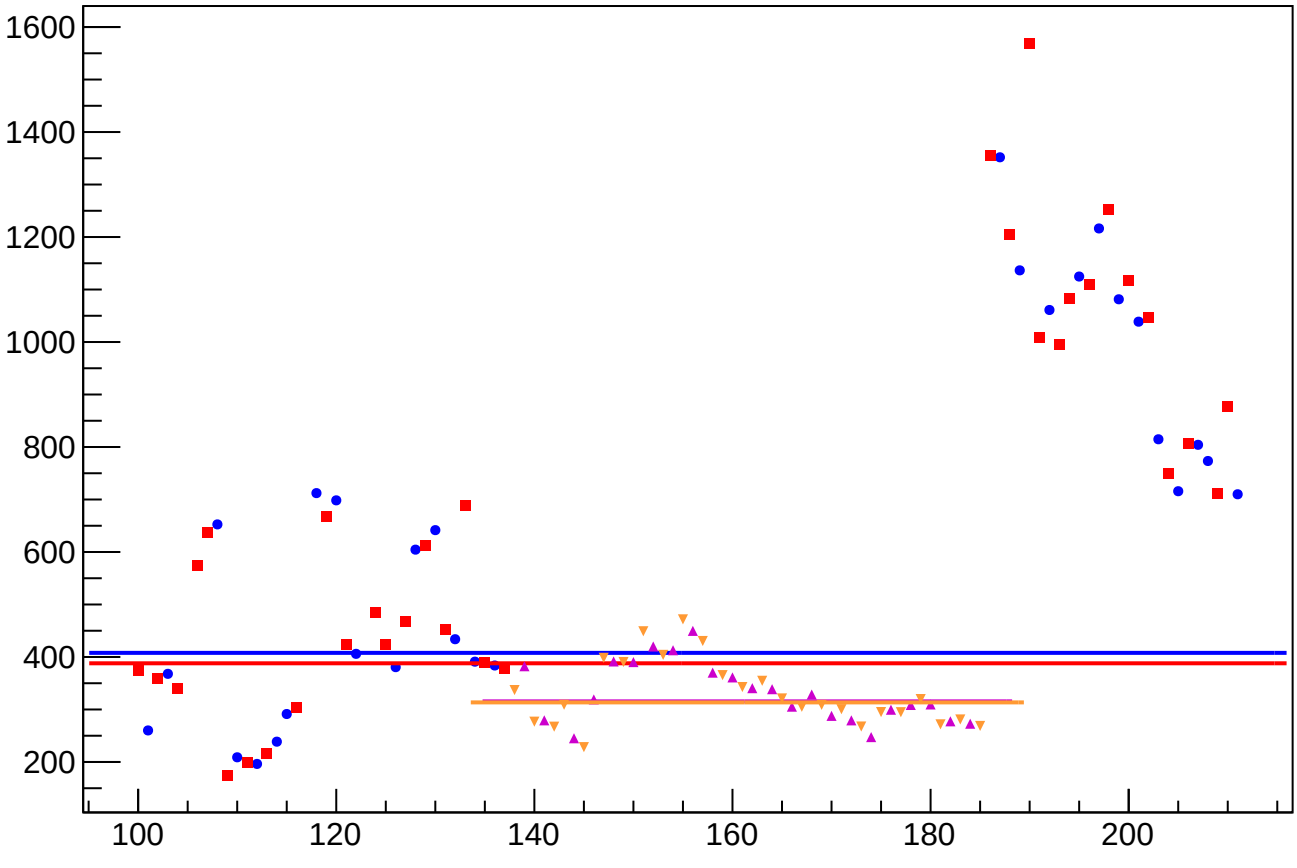
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 33.143+/-80.921 χ^2/NDF: 76.3/60

In: -41.380+/-63.200 χ^2/NDF:71.9/50

Out: -109.803+/-60.782 χ^2/NDF:103.8/57

All: -76.925+/-43.810 χ^2/NDF: 176.3/108



Right In: 407.859+/-0.083 χ^2/NDF: 9039732.9/27

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 387.979+/-0.079 χ^2/NDF: 11596247.9/32

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

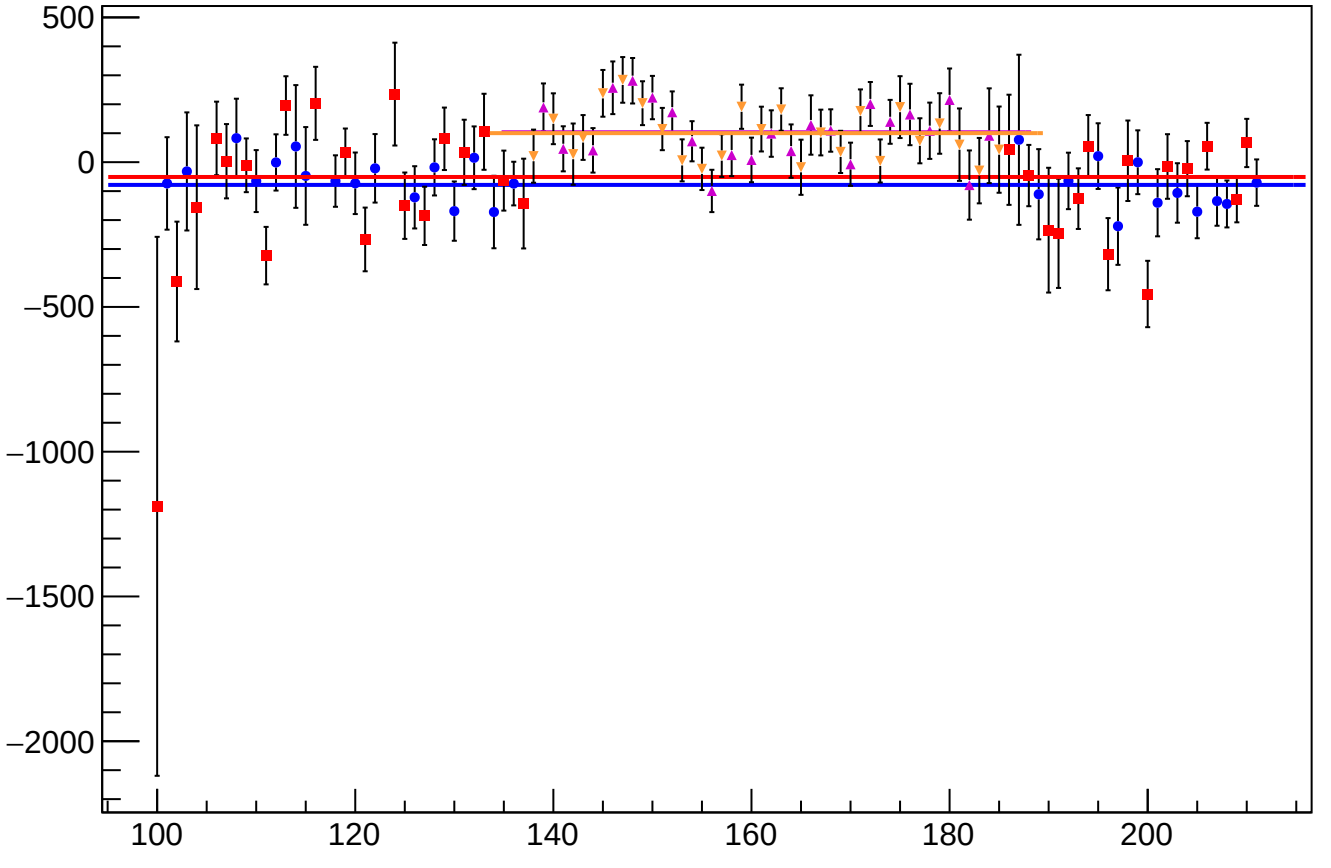
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 397.364+/-0.057 χ^2/NDF: 20666062.2/60

In: 342.063+/-0.045 χ^2/NDF:10924843.2/50

Out: 335.684+/-0.043 χ^2/NDF:13399797.4/57

All: 338.749+/-0.031 χ^2/NDF: 24335225.1/10



Right In: -78.517+/-20.520 χ^2/NDF: 10.7/27

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -51.136+/-19.911 χ^2/NDF: 63.2/32

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

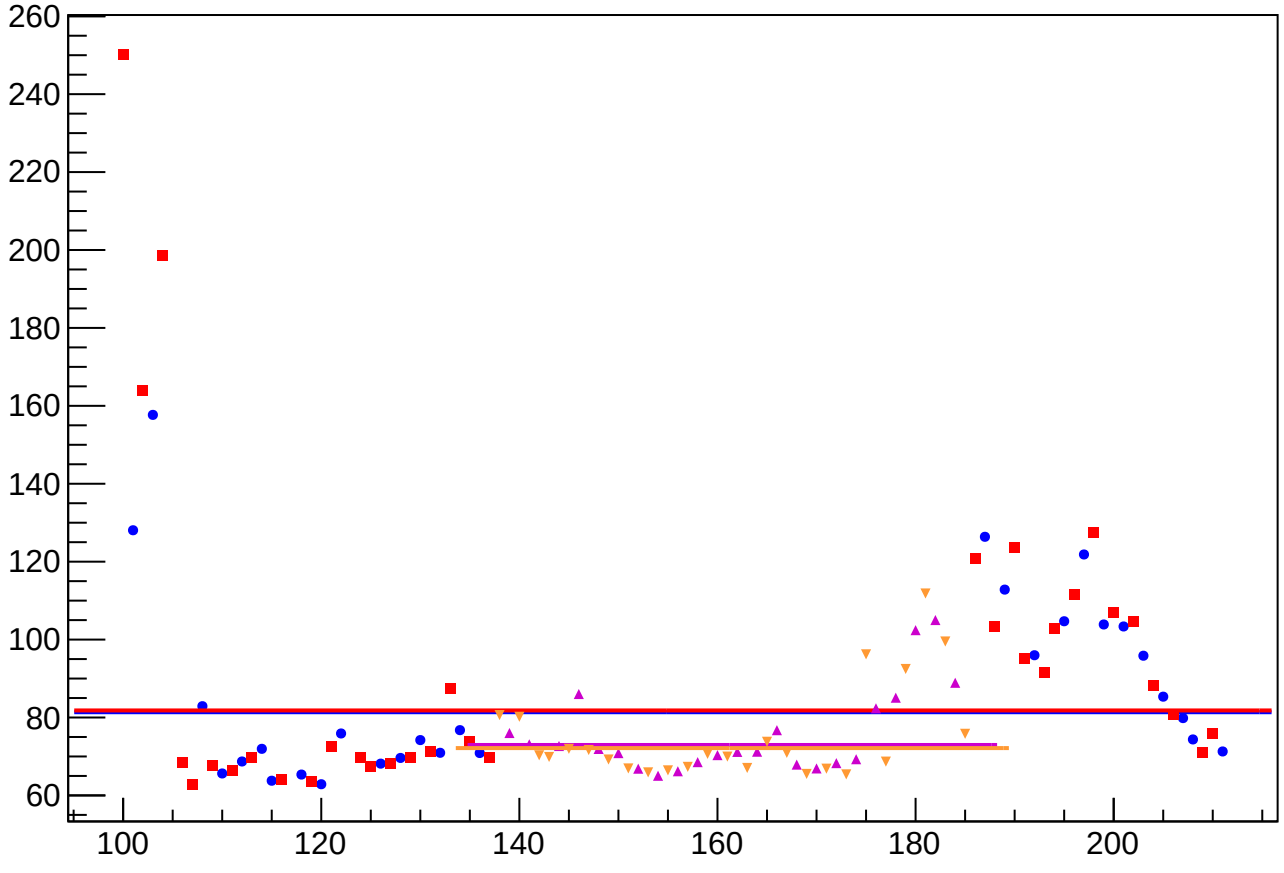
Right: -64.414+/-14.290 χ^2/NDF: 74.8/60

In: 27.999+/-13.209 χ^2/NDF:89.4/50

Out: 38.077+/-12.761 χ^2/NDF:125.0/57

All: 33.211+/-9.178 χ^2/NDF: 214.7/108

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.358+/-0.015 χ^2/NDF: 1500873.4/27

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.813+/-0.014 χ^2/NDF: 2126944.8/32

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

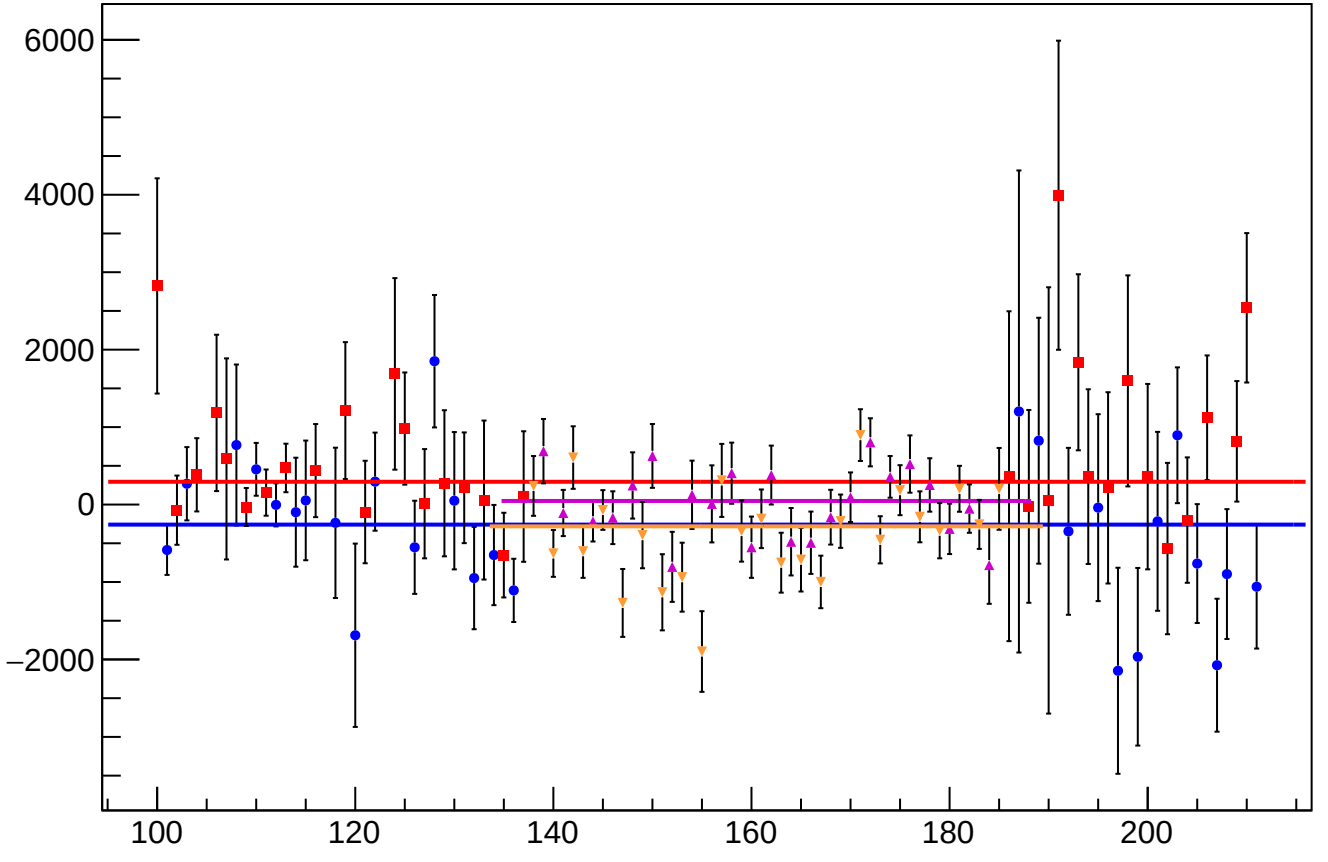
Right: 81.592+/-0.010 χ^2/NDF: 3628325.9/60

In: 76.433+/-0.009 χ^2/NDF:2206627.8/50

Out: 76.119+/-0.009 χ^2/NDF:3046508.1/57

All: 76.271+/-0.006 χ^2/NDF: 5253718.3/108

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -258.856+/-117.776 χ^2/NDF: 36.3/27

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 294.246+/-111.371 χ^2/NDF: 28.3/32

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

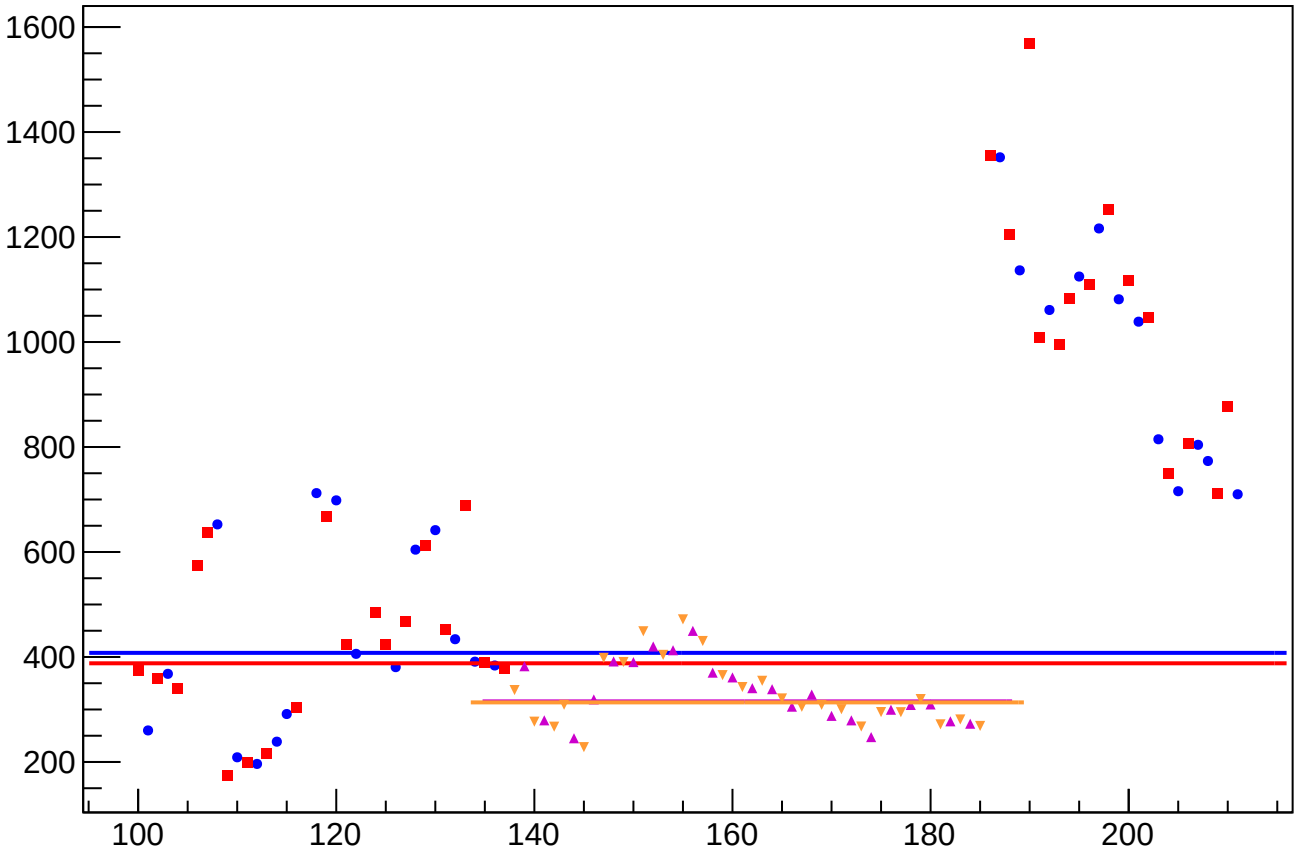
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 33.143+/-80.921 χ^2/NDF: 76.3/60

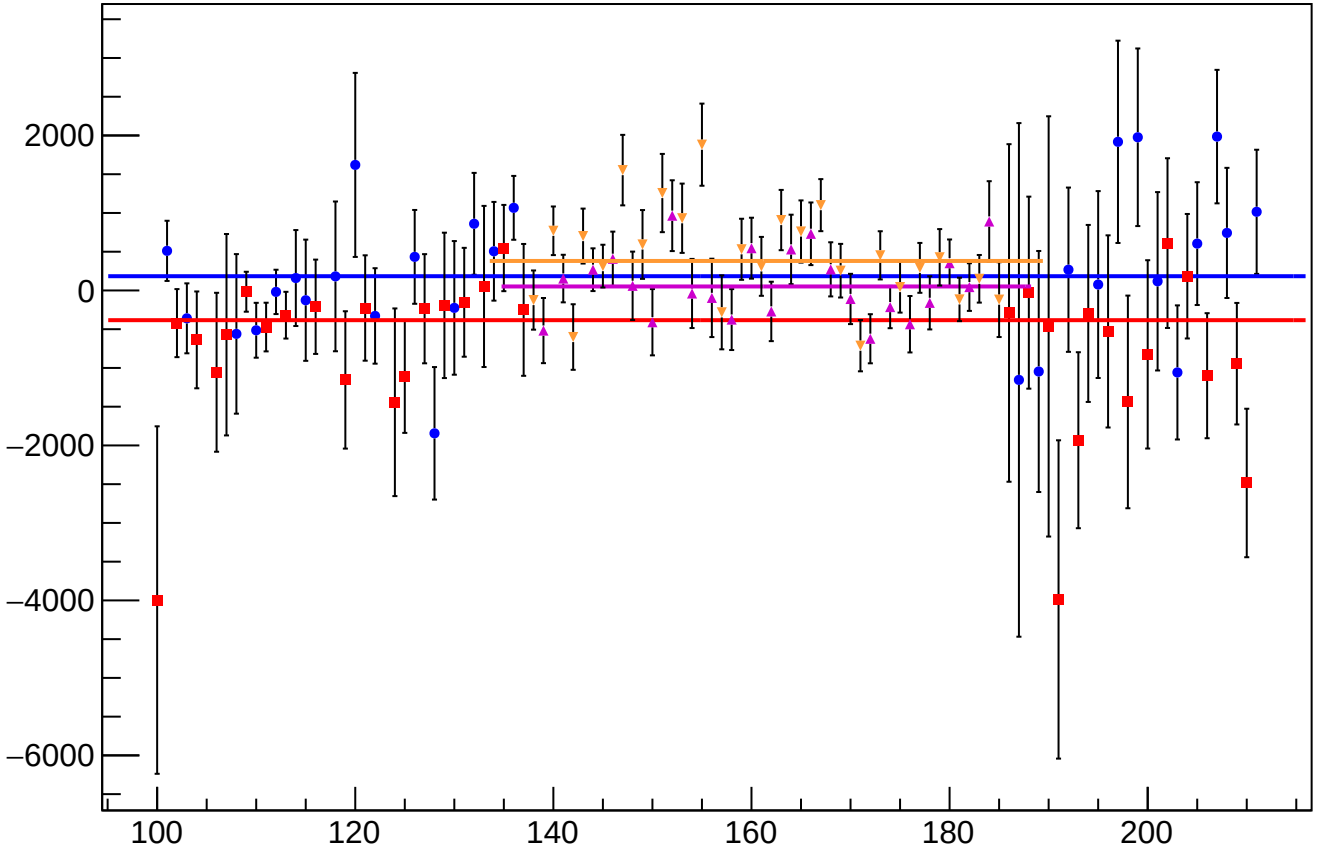
In: -41.380+/-63.200 χ^2/NDF:71.9/50

Out: -109.803+/-60.782 χ^2/NDF:103.8/57

All: -76.925+/-43.809 χ^2/NDF: 176.3/108


asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 407.856+/-0.083 χ²/NDF: 9039829.4/27
Left Out: 313.500+/-0.051 χ²/NDF:1175534.8/24
Right Out: 387.977+/-0.079 χ²/NDF: 11596305.5/32
Left In: 315.456+/-0.053 χ²/NDF:1008521.8/22
Left: 314.447+/-0.037 χ²/NDF: 2184760.0/47
Right: 397.361+/-0.057 χ²/NDF: 20666213.5/60
In: 342.063+/-0.045 χ²/NDF:10924883.0/50
Out: 335.684+/-0.043 χ²/NDF:13399829.7/57
All: 338.749+/-0.031 χ²/NDF: 24335297.1/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 183.843+/-120.480 χ^2/NDF: 34.6/27

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -383.605+/-114.412 χ^2/NDF: 24.4/32

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

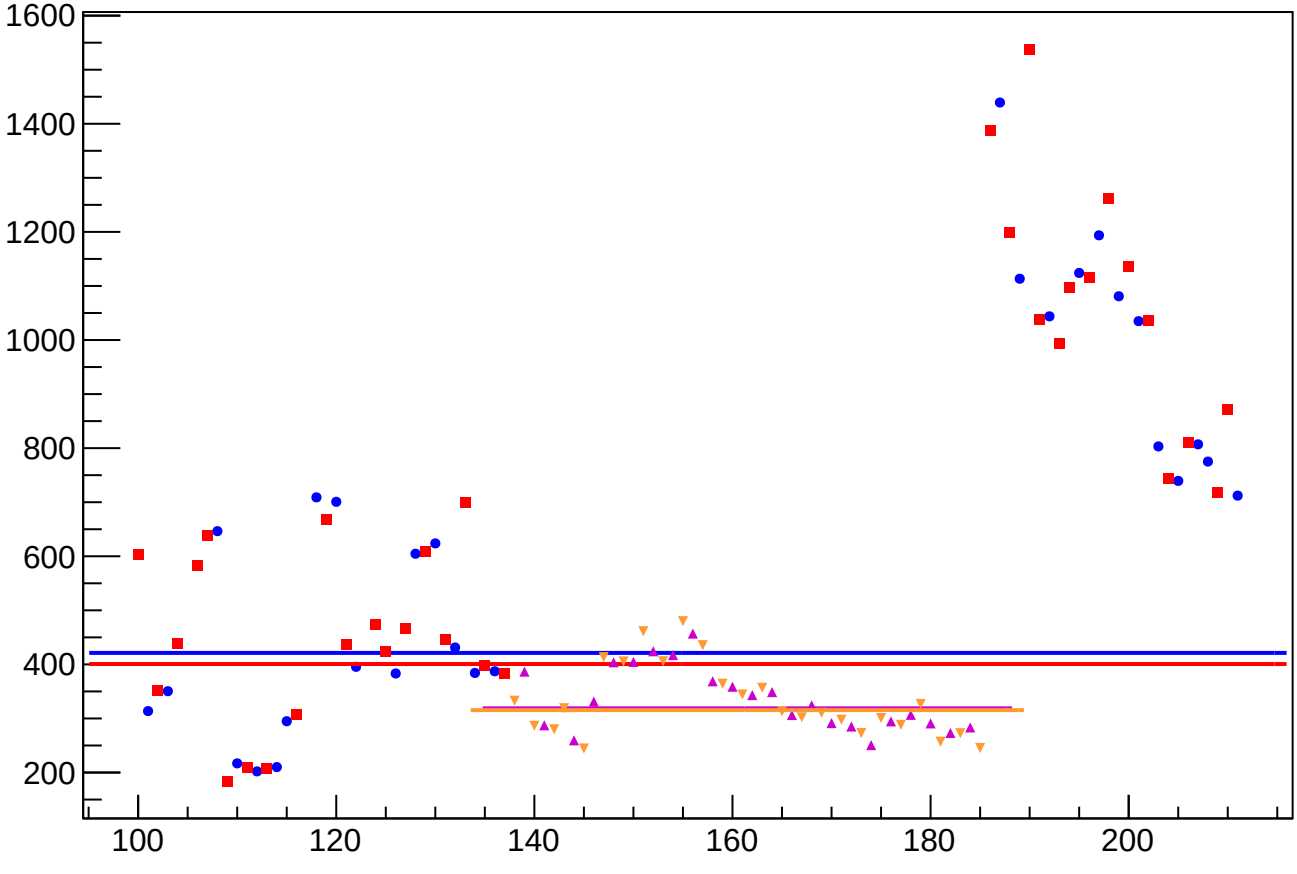
Right: -114.530+/-82.963 χ^2/NDF: 70.7/60

In: 88.890+/-64.055 χ^2/NDF:63.6/50

Out: 159.273+/-61.574 χ^2/NDF:111.6/57

All: 125.471+/-44.391 χ^2/NDF: 175.8/108

asym_sam7_rms vs Slug, Sign Corrected



Right In: 421.277+/-0.085 χ^2/NDF: 8563933.3/27

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 400.665+/-0.081 χ^2/NDF: 11315605.5/32

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

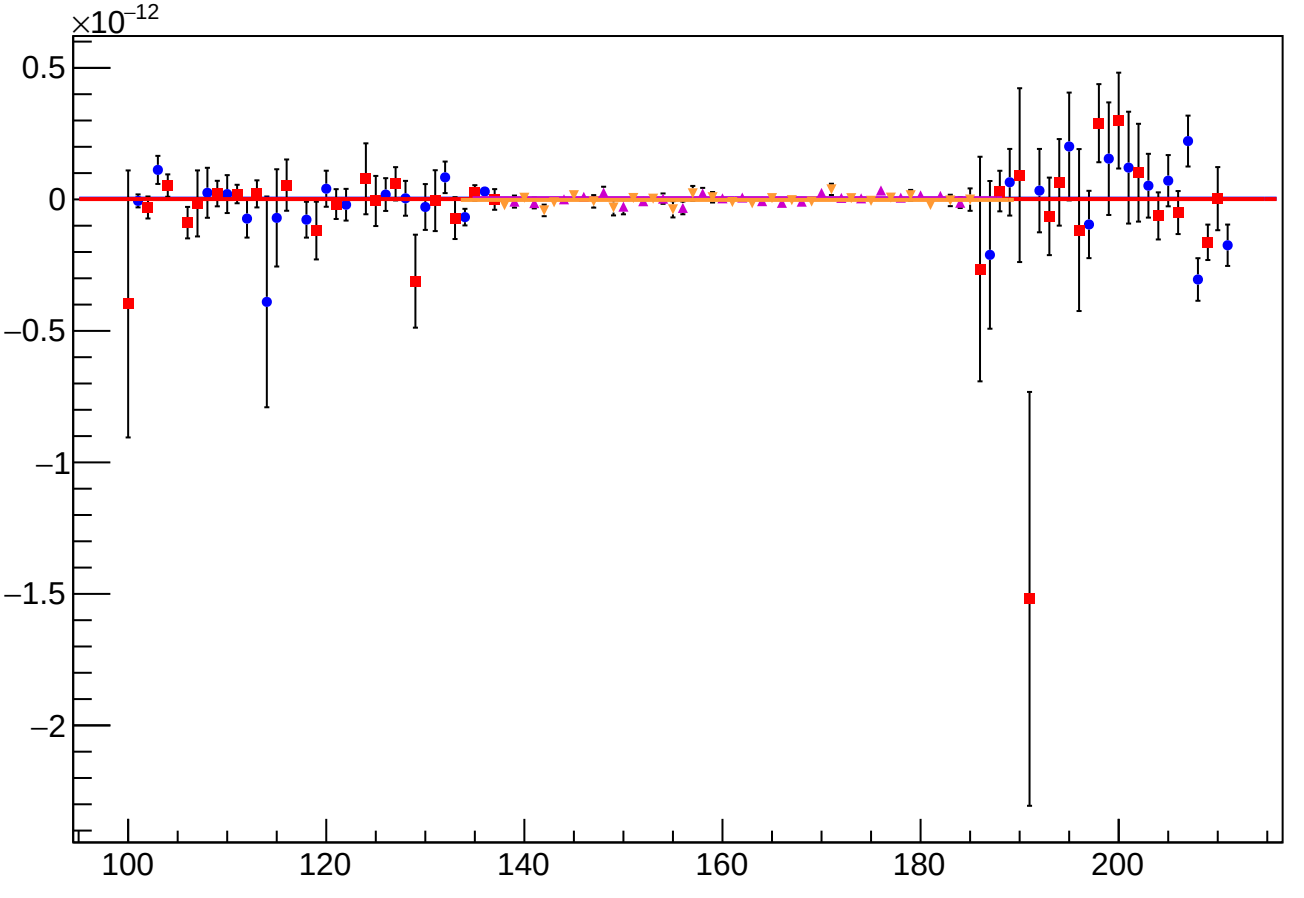
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 410.439+/-0.059 χ^2/NDF: 19910320.3/60

In: 347.687+/-0.045 χ^2/NDF:10595756.9/50

Out: 340.093+/-0.044 χ^2/NDF:13314851.7/57

All: 343.740+/-0.031 χ^2/NDF: 23925218.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 46.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/32

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

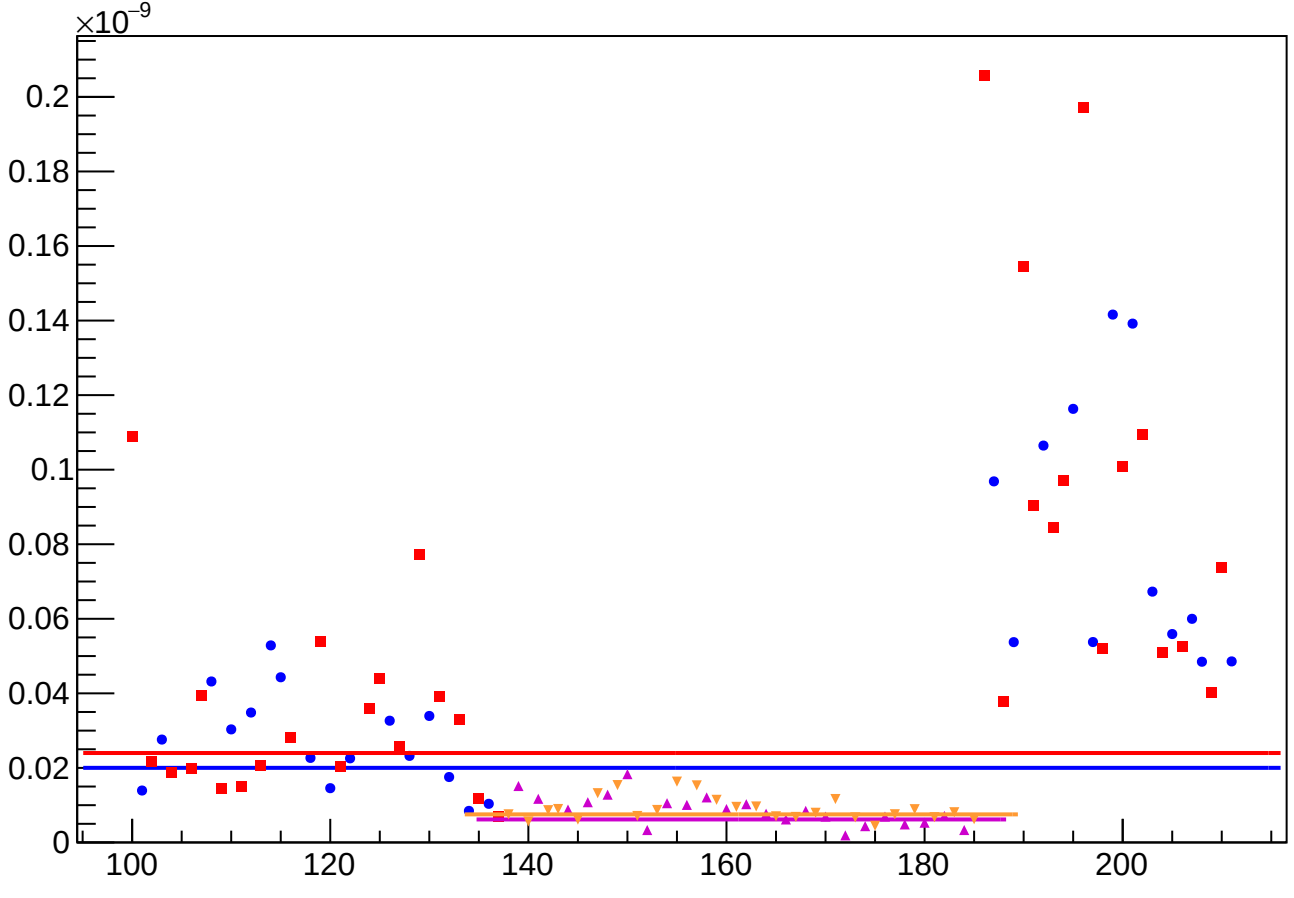
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 77.7/60

In: 0.000+/-0.000 χ^2/NDF:64.0/50

Out: -0.000+/-0.000 χ^2/NDF:50.4/57

All: 0.000+/-0.000 χ^2/NDF: 116.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 5649206.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5432289.0/32

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

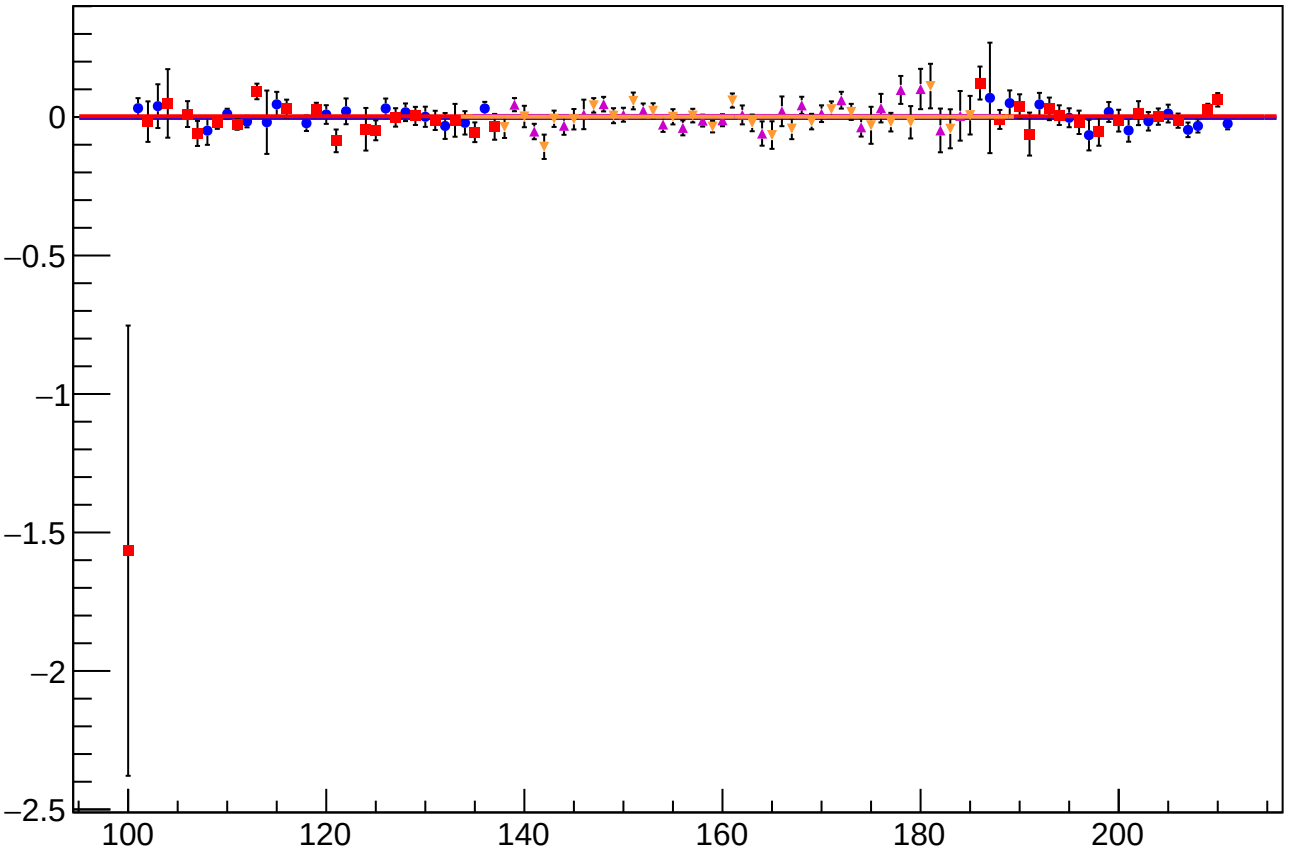
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11207389.0/60

In: 0.000+/-0.000 χ^2/NDF:11680482.3/50

Out: 0.000+/-0.000 χ^2/NDF:10184457.5/57

All: 0.000+/-0.000 χ^2/NDF: 22086241.0/108



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.006 χ^2/NDF: 47.0/32

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

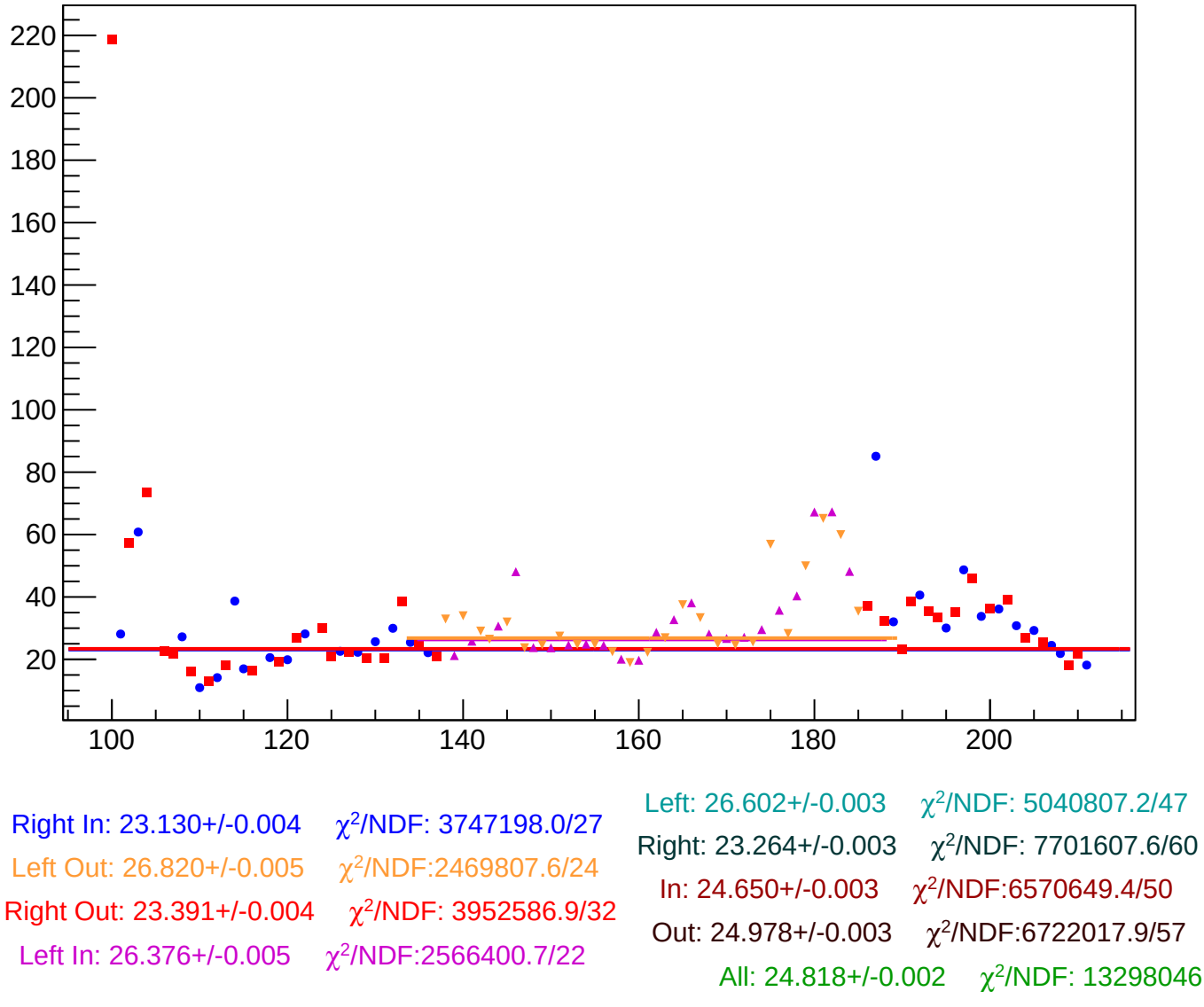
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

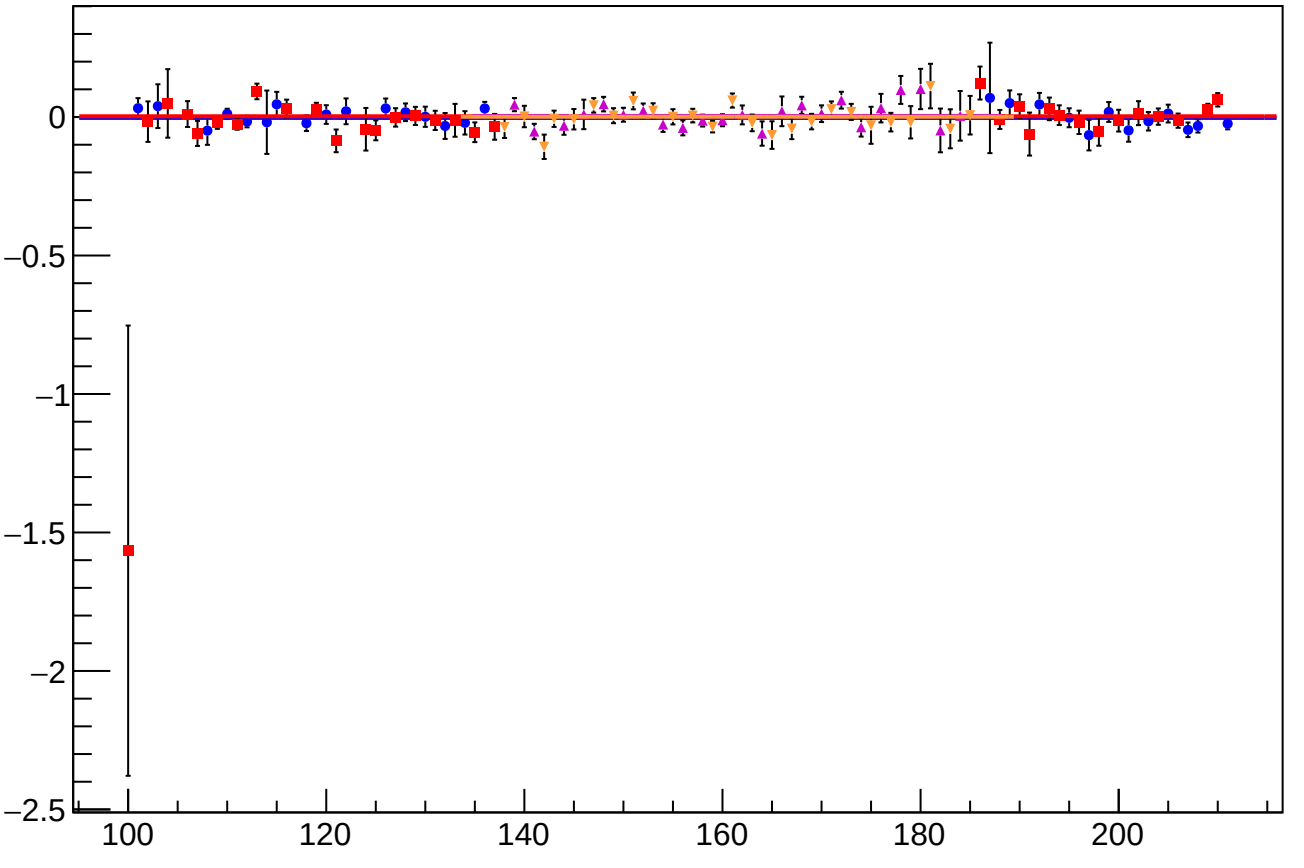
Right: -0.000+/-0.004 χ^2/NDF: 67.7/60

In: 0.000+/-0.005 χ^2/NDF:52.0/50

Out: 0.002+/-0.004 χ^2/NDF:77.3/57

All: 0.001+/-0.003 χ^2/NDF: 129.4/108


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 23.130+/-0.004 χ²/NDF: 3747198.0/27
Left Out: 26.820+/-0.005 χ²/NDF:2469807.6/24
Right Out: 23.391+/-0.004 χ²/NDF: 3952586.9/32
Left In: 26.376+/-0.005 χ²/NDF:2566400.7/22
Left: 26.602+/-0.003 χ²/NDF: 5040807.2/47
Right: 23.264+/-0.003 χ²/NDF: 7701607.6/60
In: 24.650+/-0.003 χ²/NDF:6570649.4/50
Out: 24.978+/-0.003 χ²/NDF:6722017.9/57
All: 24.818+/-0.002 χ²/NDF: 13298046.1/108



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.006 χ^2/NDF: 47.0/32

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

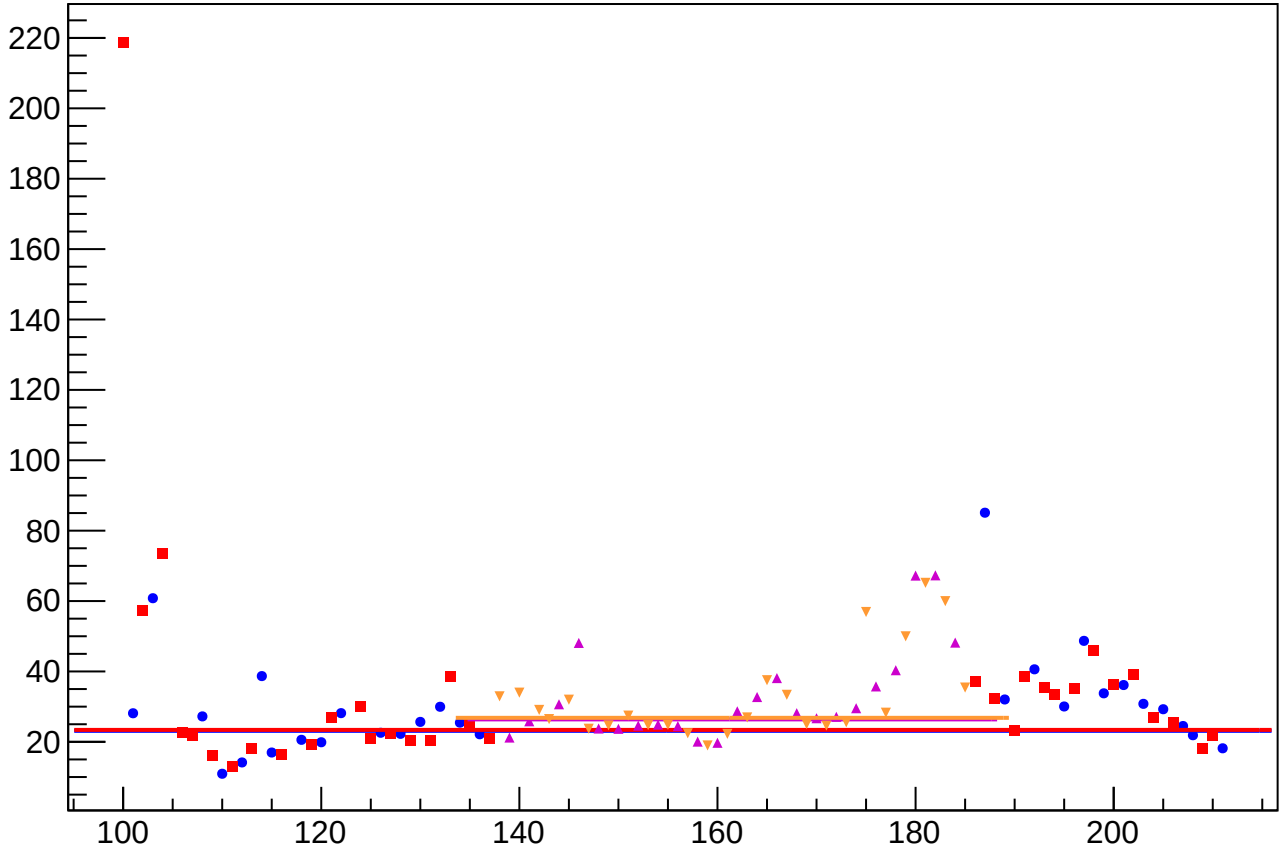
Right: -0.000+/-0.004 χ^2/NDF: 67.7/60

In: 0.000+/-0.005 χ^2/NDF:52.0/50

Out: 0.002+/-0.004 χ^2/NDF:77.3/57

All: 0.001+/-0.003 χ^2/NDF: 129.4/108

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.130+/-0.004 χ^2/NDF: 3747198.0/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.391+/-0.004 χ^2/NDF: 3952586.9/32

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

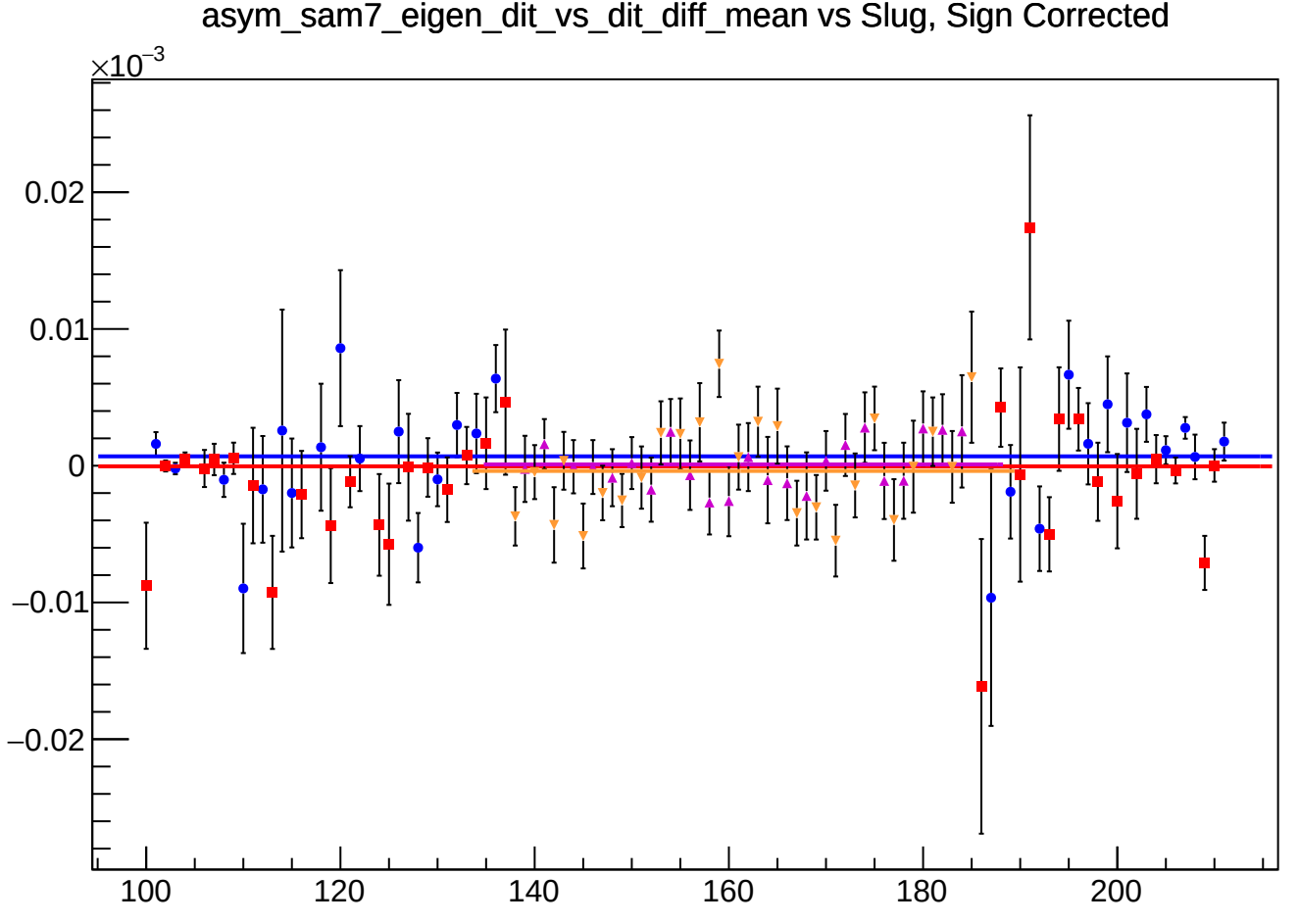
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.264+/-0.003 χ^2/NDF: 7701607.6/60

In: 24.650+/-0.003 χ^2/NDF:6570649.4/50

Out: 24.978+/-0.003 χ^2/NDF:6722017.9/57

All: 24.818+/-0.002 χ^2/NDF: 13298046.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/32

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

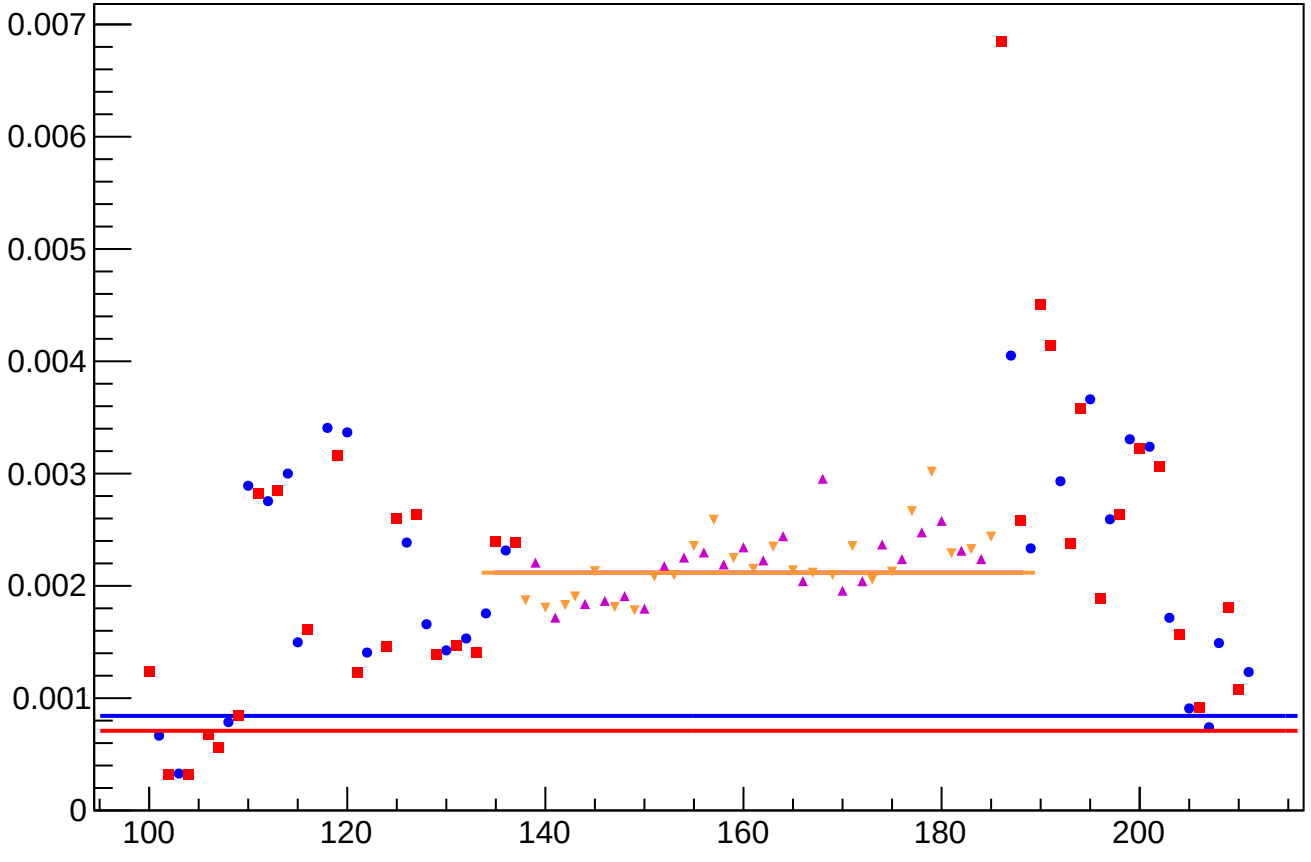
Right: 0.000+/-0.000 χ^2/NDF: 98.3/60

In: 0.000+/-0.000 χ^2/NDF:59.1/50

Out: -0.000+/-0.000 χ^2/NDF:89.9/57

All: 0.000+/-0.000 χ^2/NDF: 153.1/108

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 13019474.6/27

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16843519.2/32

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

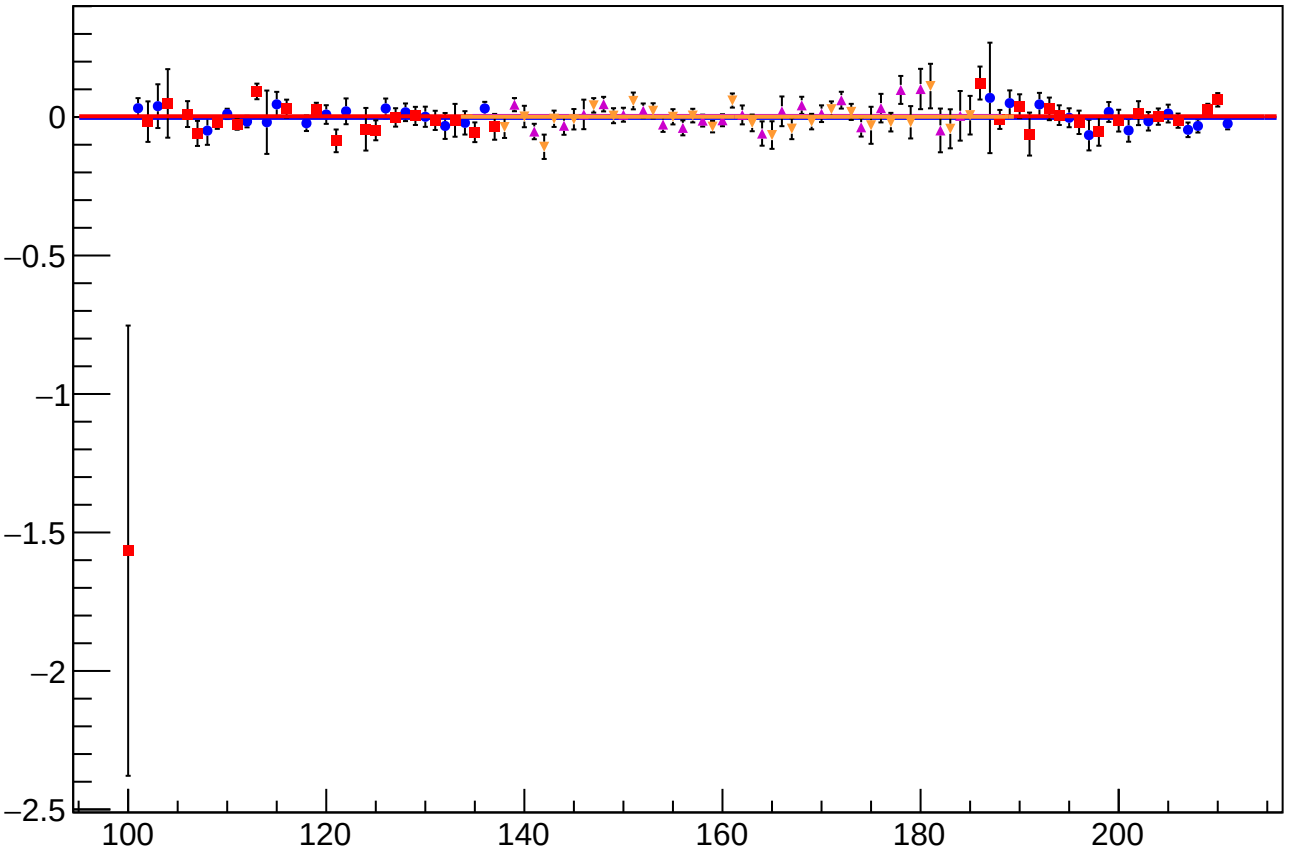
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 30131724.1/60

In: 0.001+/-0.000 χ^2/NDF:23603572.2/50

Out: 0.001+/-0.000 χ^2/NDF:30992692.9/57

All: 0.001+/-0.000 χ^2/NDF: 55101968.4/108



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.006 χ^2/NDF: 47.0/32

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

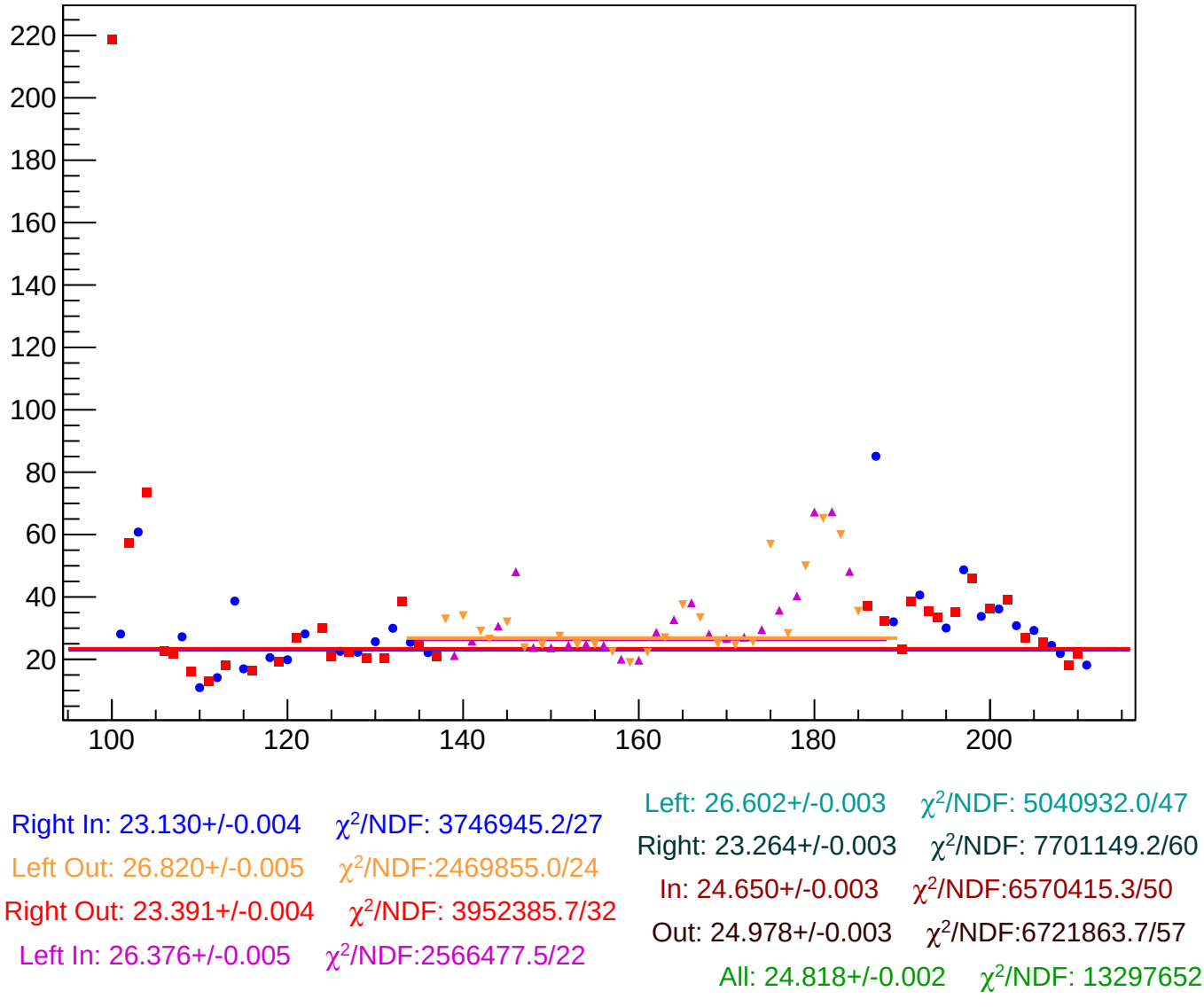
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.000+/-0.004 χ^2/NDF: 67.7/60

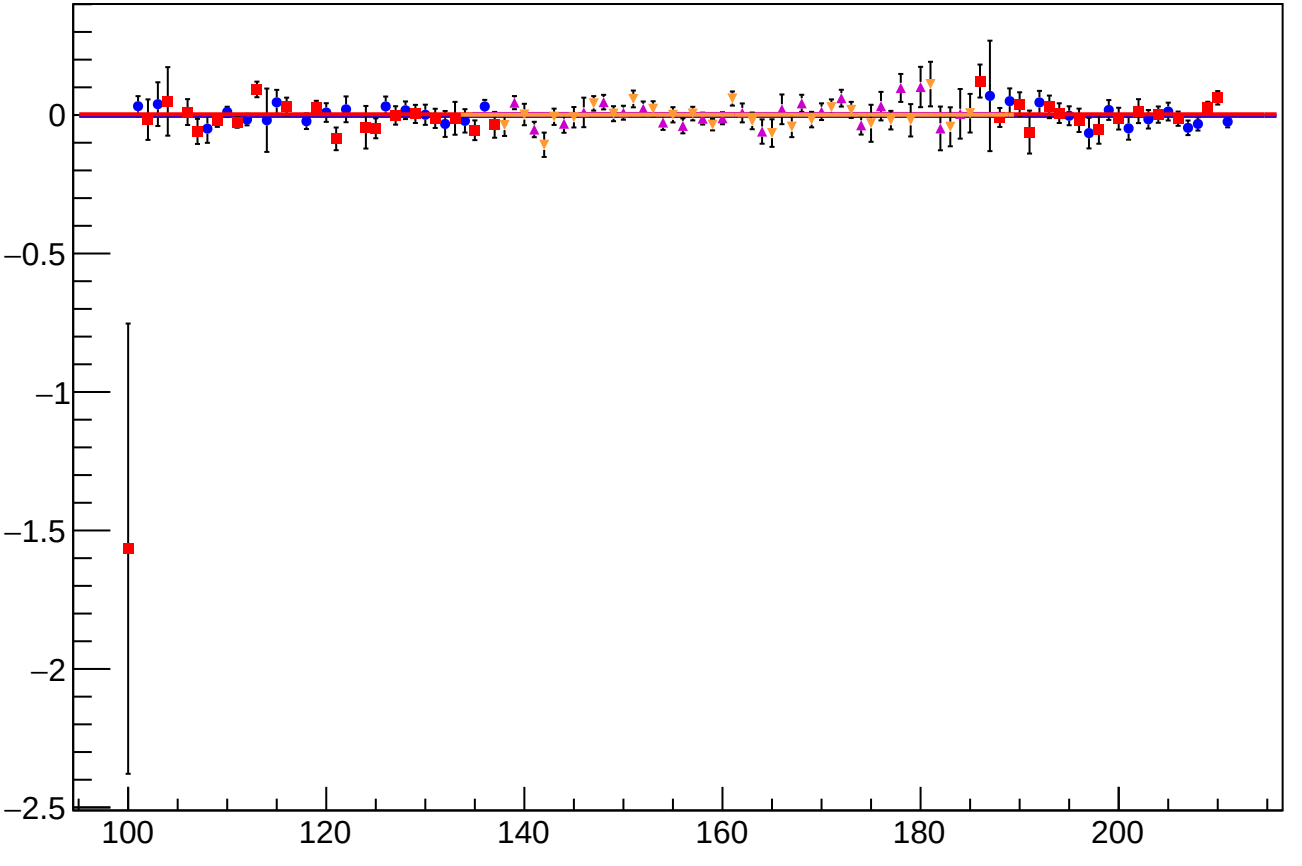
In: 0.000+/-0.005 χ^2/NDF:52.0/50

Out: 0.002+/-0.004 χ^2/NDF:77.3/57

All: 0.001+/-0.003 χ^2/NDF: 129.4/108


asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 23.130+/-0.004 χ²/NDF: 3746945.2/27
Left Out: 26.820+/-0.005 χ²/NDF:2469855.0/24
Right Out: 23.391+/-0.004 χ²/NDF: 3952385.7/32
Left In: 26.376+/-0.005 χ²/NDF:2566477.5/22
Left: 26.602+/-0.003 χ²/NDF: 5040932.0/47
Right: 23.264+/-0.003 χ²/NDF: 7701149.2/60
In: 24.650+/-0.003 χ²/NDF:6570415.3/50
Out: 24.978+/-0.003 χ²/NDF:6721863.7/57
All: 24.818+/-0.002 χ²/NDF: 13297652.3/108

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.006 χ^2/NDF: 20.3/27

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.006 χ^2/NDF: 47.0/32

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

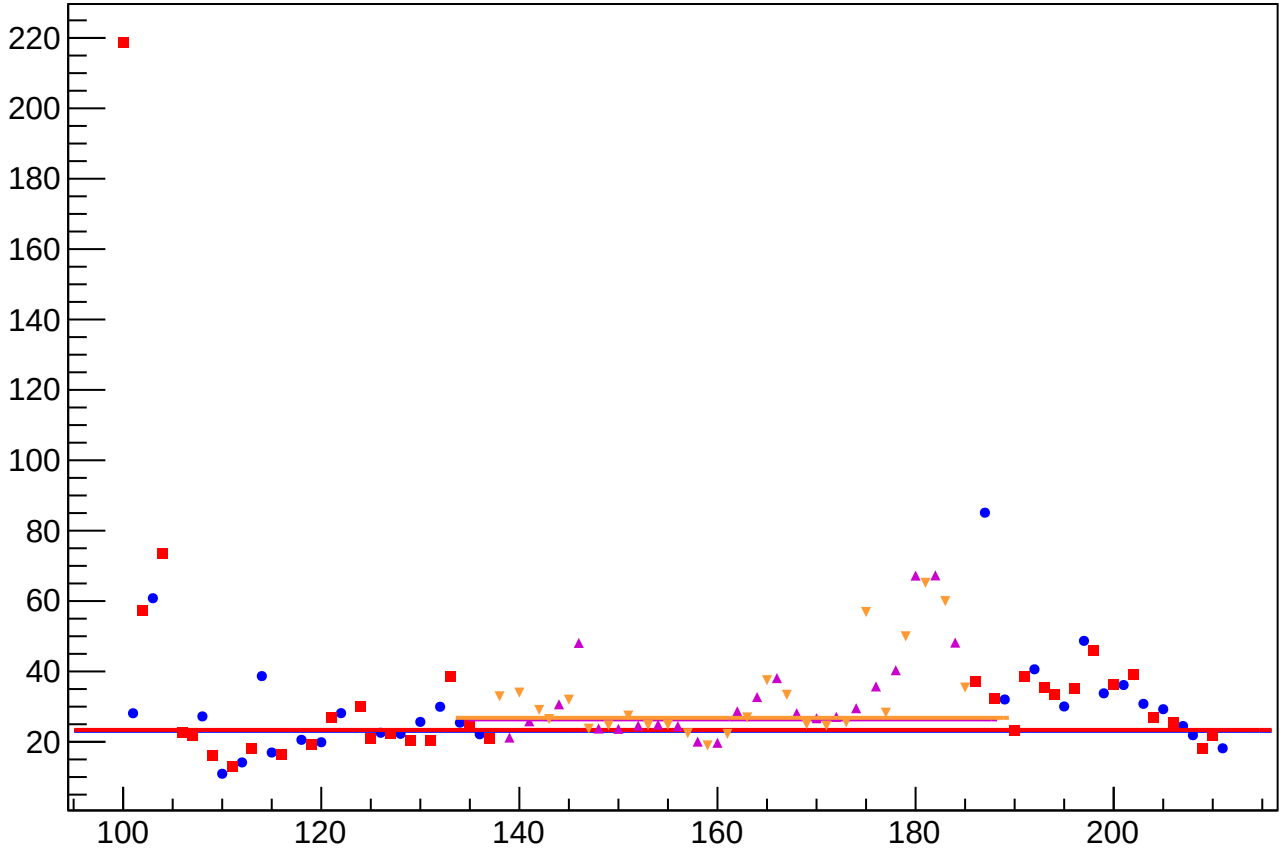
Right: -0.000+/-0.004 χ^2/NDF: 67.7/60

In: 0.000+/-0.005 χ^2/NDF:52.0/50

Out: 0.002+/-0.004 χ^2/NDF:77.3/57

All: 0.001+/-0.003 χ^2/NDF: 129.4/108

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.130+/-0.004 χ^2/NDF: 3746945.2/27

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.391+/-0.004 χ^2/NDF: 3952385.7/32

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

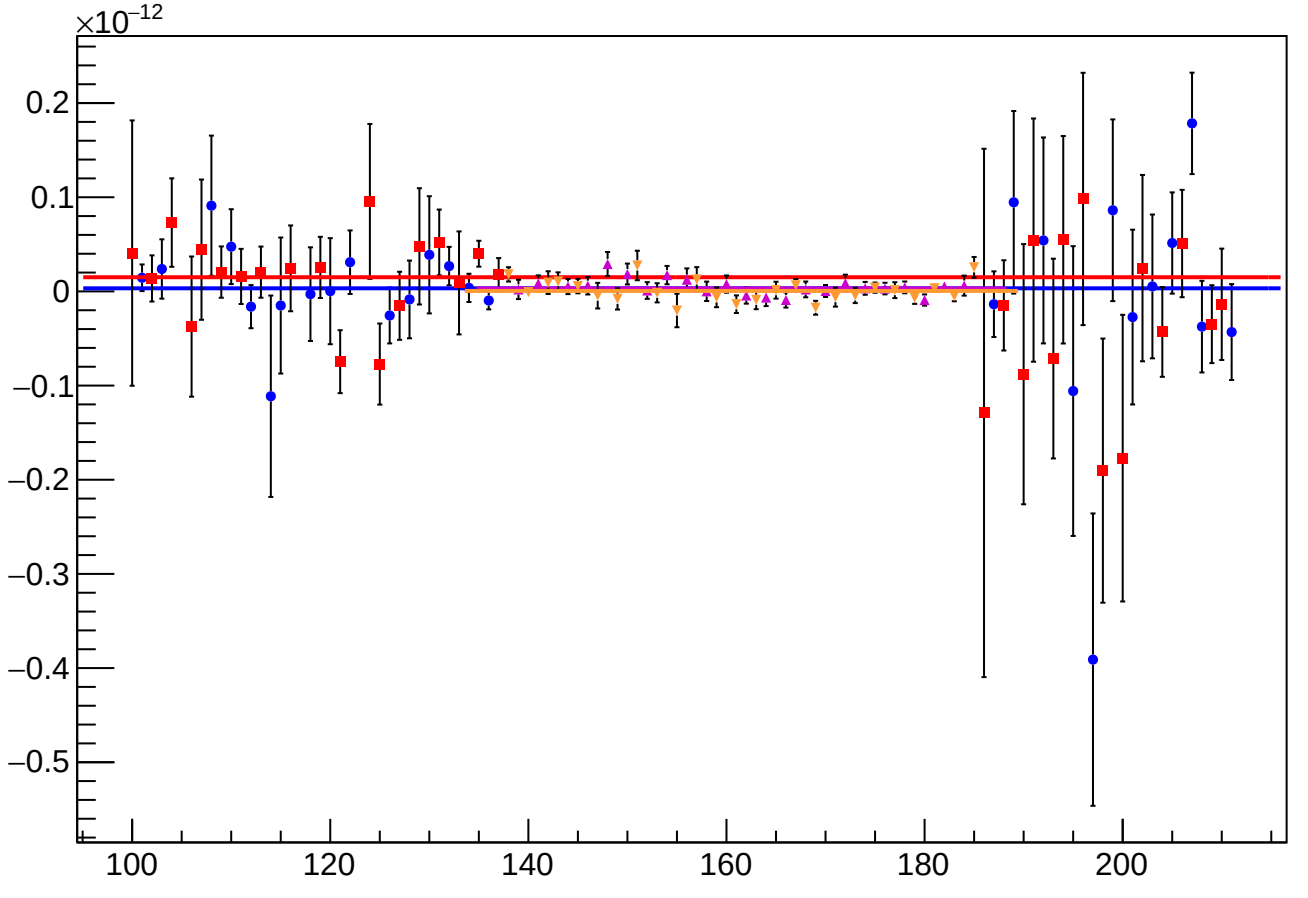
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.264+/-0.003 χ^2/NDF: 7701149.2/60

In: 24.650+/-0.003 χ^2/NDF:6570415.3/50

Out: 24.978+/-0.003 χ^2/NDF:6721863.7/57

All: 24.818+/-0.002 χ^2/NDF: 13297652.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/32

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

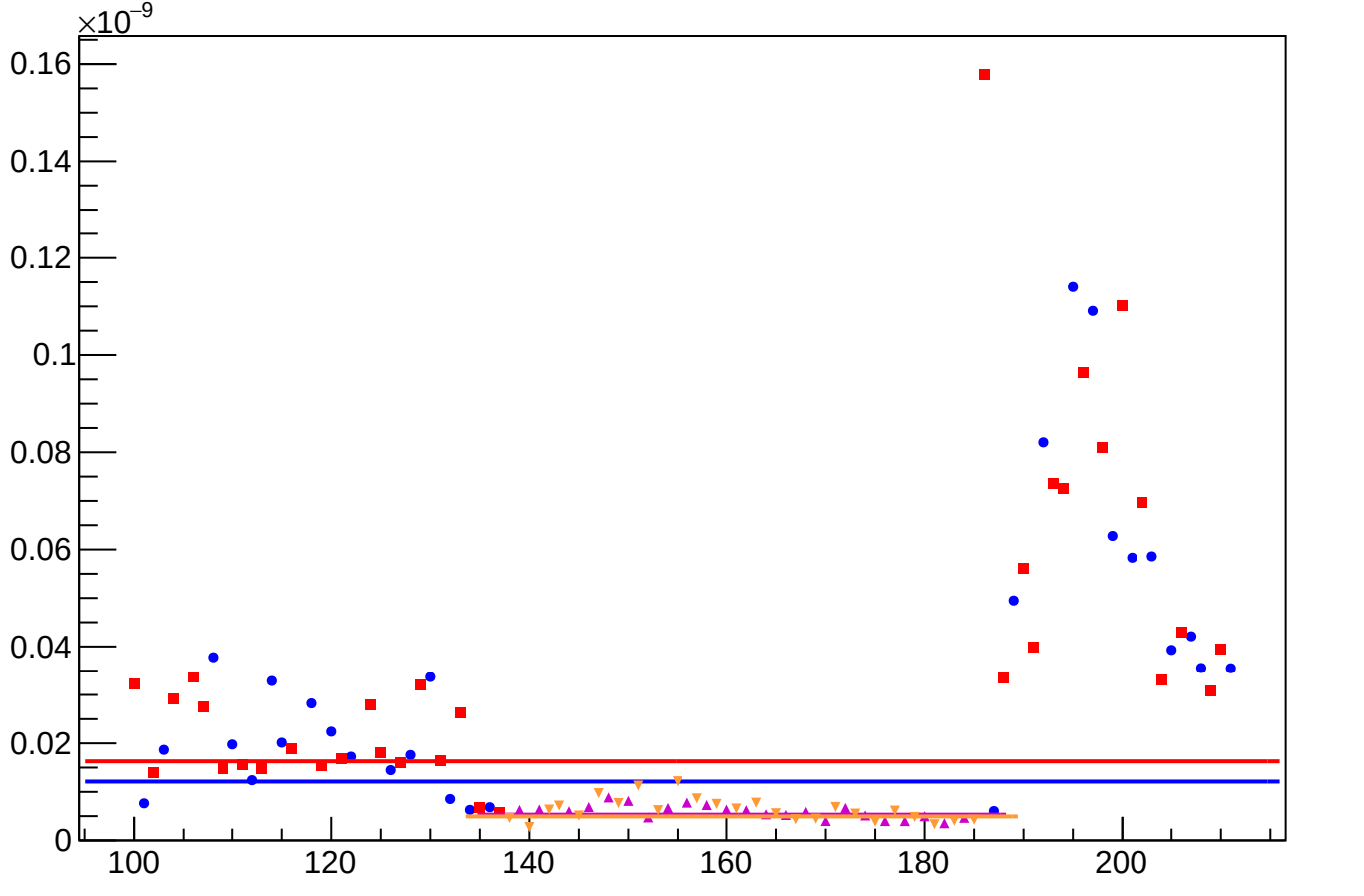
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 65.2/60

In: 0.000+/-0.000 χ^2/NDF:52.0/50

Out: 0.000+/-0.000 χ^2/NDF:67.6/57

All: 0.000+/-0.000 χ^2/NDF: 120.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 8938328.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8121035.2/32

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

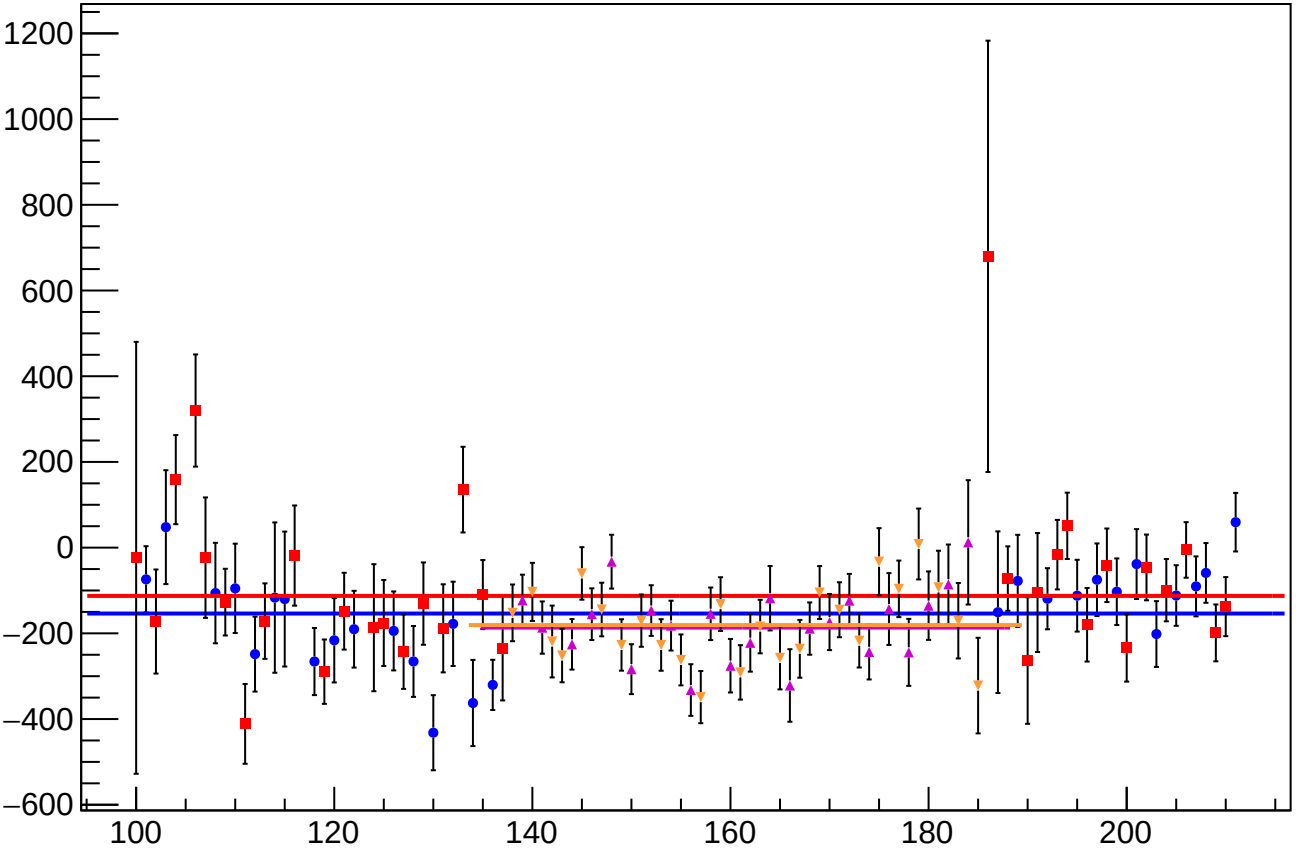
Right: 0.000+/-0.000 χ^2/NDF: 17530638.2/60

In: 0.000+/-0.000 χ^2/NDF:13048653.2/50

Out: 0.000+/-0.000 χ^2/NDF:16409330.5/57

All: 0.000+/-0.000 χ^2/NDF: 29507494.5/108

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -153.785+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -112.645+/-15.961 χ^2/NDF: 64.9/32

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

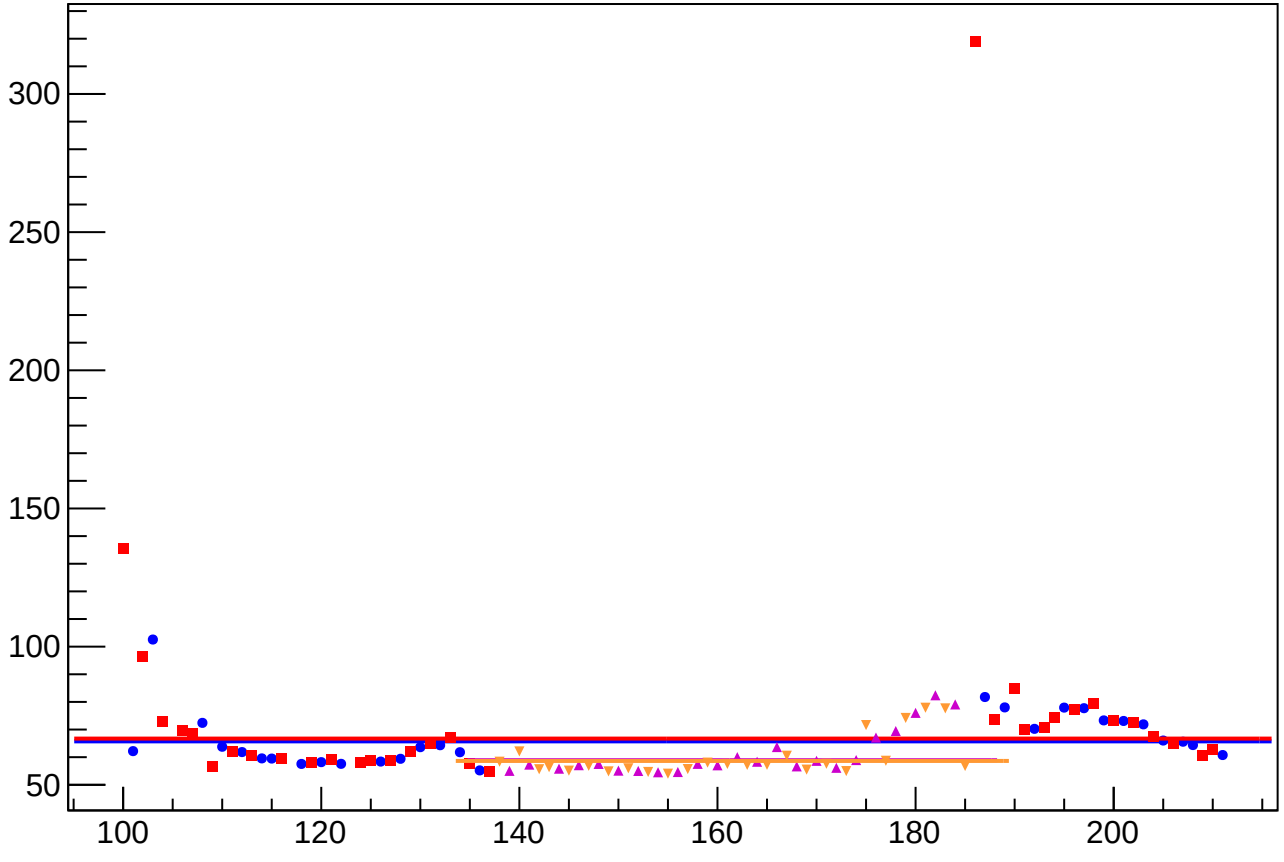
Right: -132.810+/-11.397 χ^2/NDF: 117.9/60

In: -172.790+/-10.553 χ^2/NDF:81.1/50

Out: -152.509+/-10.271 χ^2/NDF:114.1/57

All: -162.375+/-7.360 χ^2/NDF: 197.1/108

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.723+/-0.012 χ^2/NDF: 508756.4/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.727+/-0.011 χ^2/NDF: 1046380.2/32

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

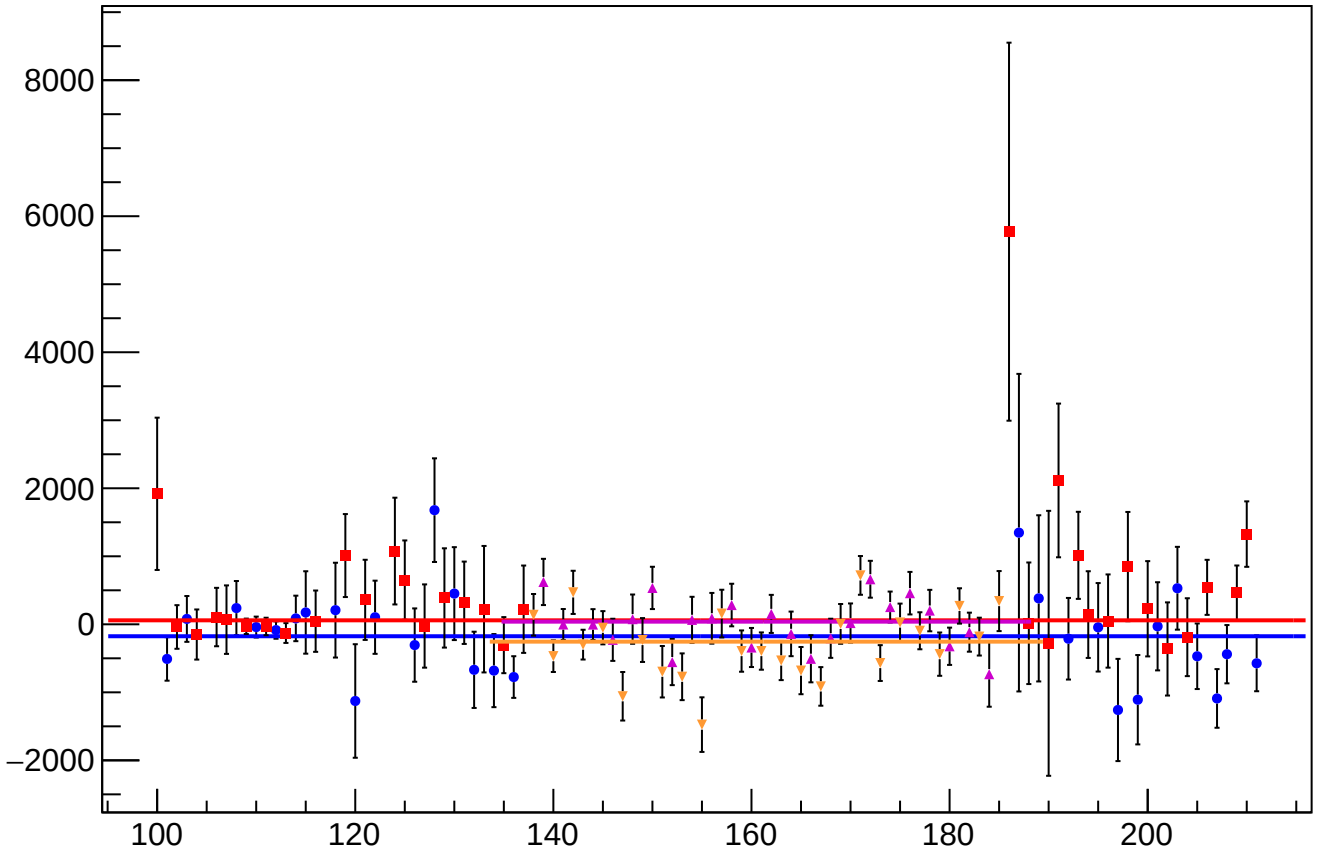
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.235+/-0.008 χ^2/NDF: 1559014.6/60

In: 61.771+/-0.007 χ^2/NDF:1098883.6/50

Out: 61.991+/-0.007 χ^2/NDF:1740763.6/57

All: 61.884+/-0.005 χ^2/NDF: 2840094.4/108



Right In: -175.468+/-69.274 χ^2/NDF: 31.5/27

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 58.625+/-59.821 χ^2/NDF: 33.4/32

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

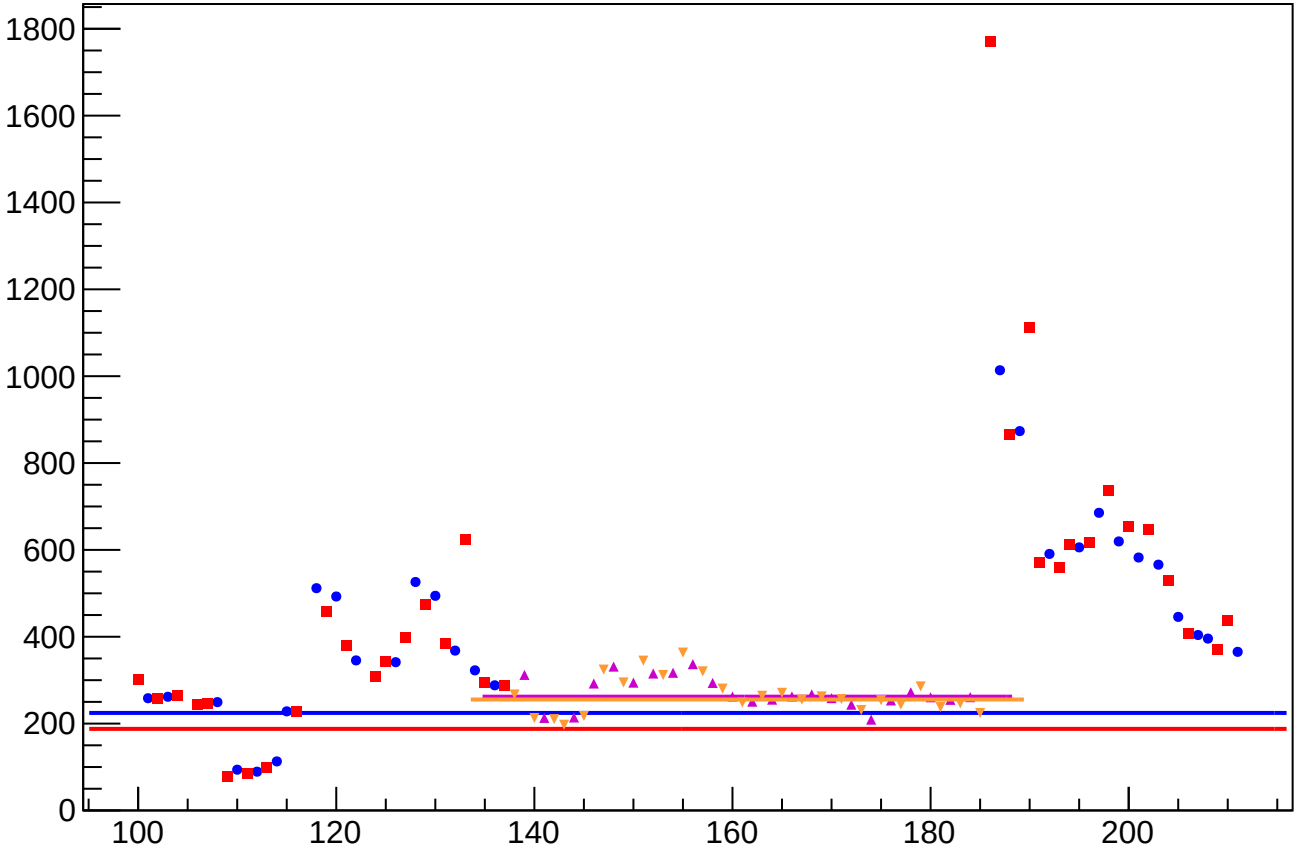
Right: -41.372+/-45.276 χ^2/NDF: 71.5/60

In: -56.105+/-46.150 χ^2/NDF:65.2/50

Out: -100.494+/-41.962 χ^2/NDF:105.0/57

All: -80.405+/-31.047 χ^2/NDF: 170.7/108

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 224.582+/-0.049 χ^2/NDF: 11893108.5/27

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 187.882+/-0.042 χ^2/NDF: 16082543.1/32

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

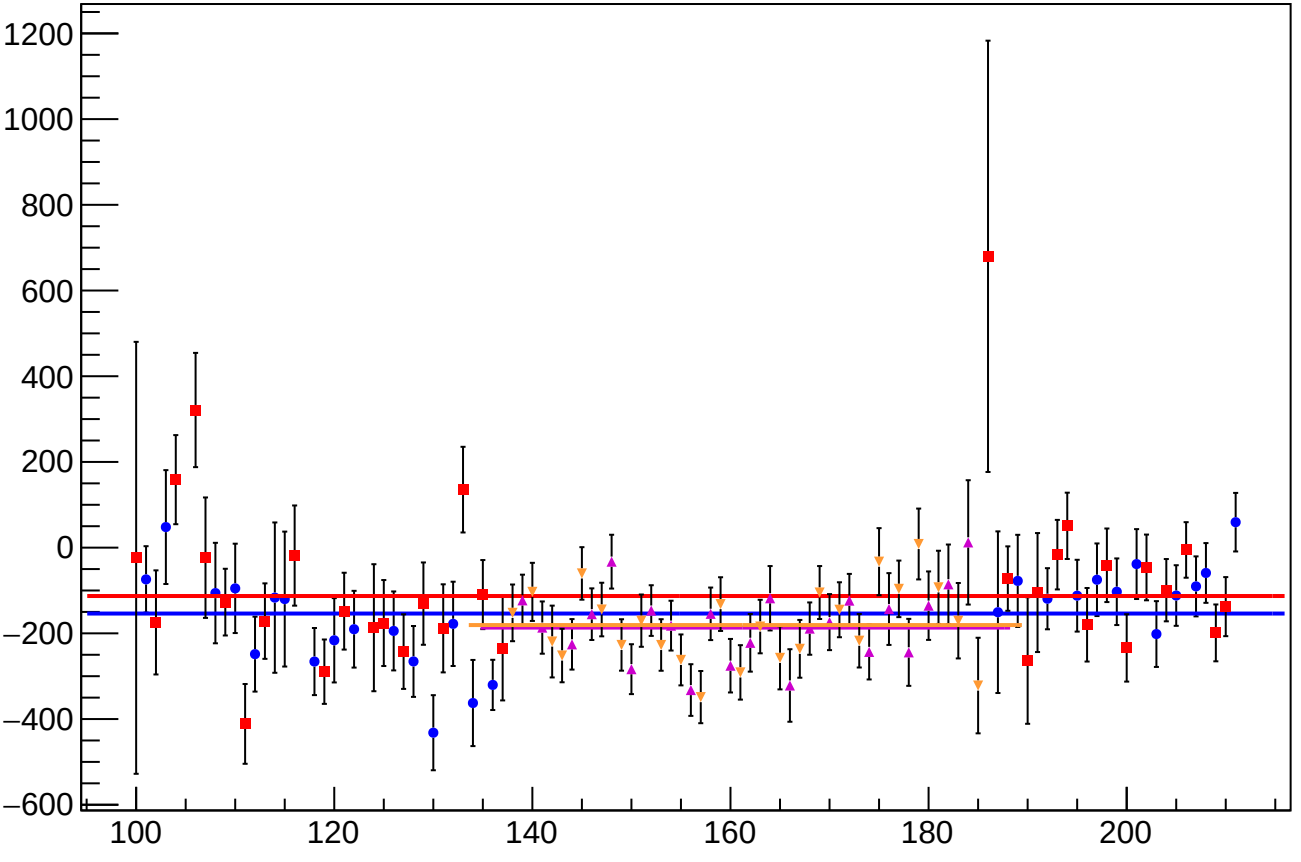
Right: 203.559+/-0.032 χ^2/NDF: 28297205.3/60

In: 245.397+/-0.033 χ^2/NDF:12888343.4/50

Out: 222.214+/-0.030 χ^2/NDF:18243229.1/57

All: 232.706+/-0.022 χ^2/NDF: 31407858.1/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -153.786+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -112.894+/-15.965 χ^2/NDF: 64.6/32

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

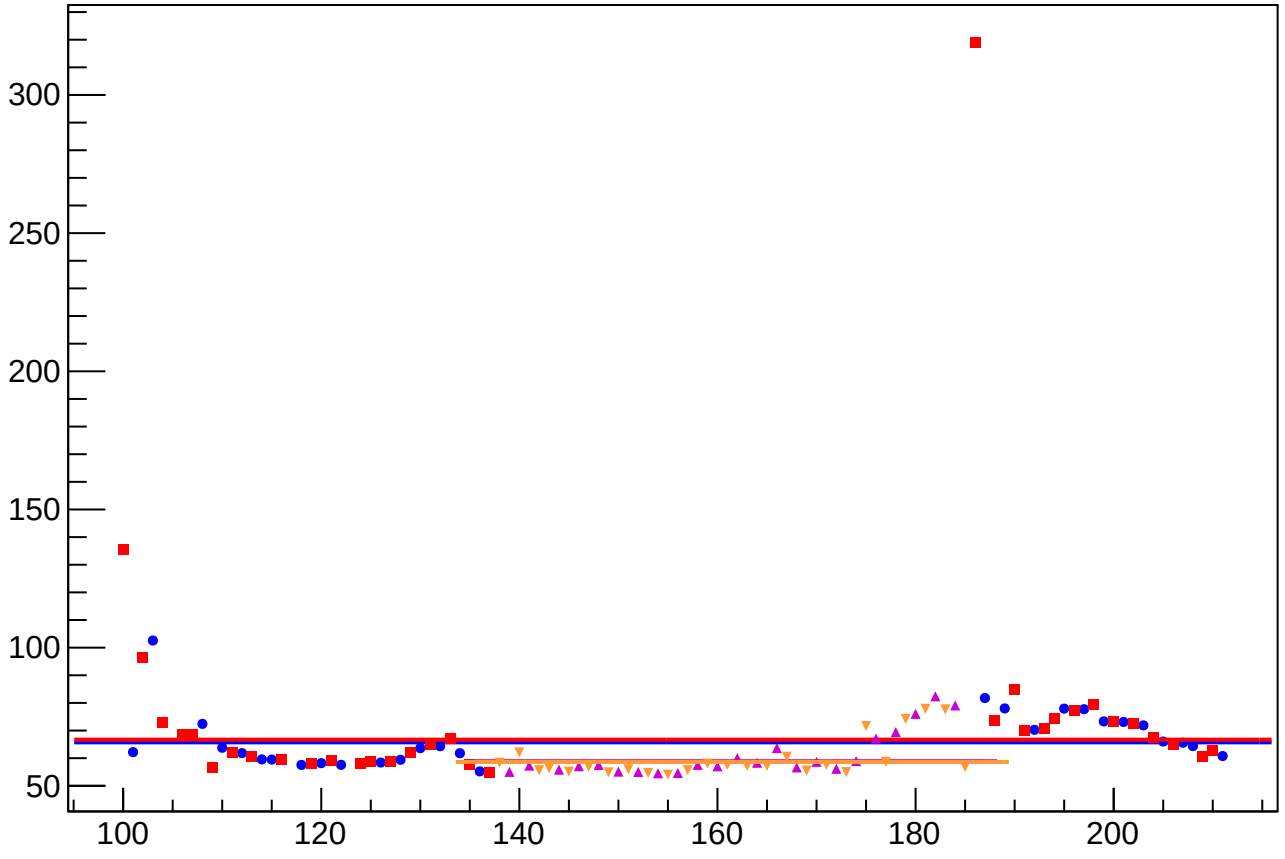
Right: -132.942+/-11.398 χ^2/NDF: 117.5/60

In: -172.791+/-10.553 χ^2/NDF:81.1/50

Out: -152.618+/-10.272 χ^2/NDF:113.7/57

All: -162.433+/-7.361 χ^2/NDF: 196.7/108

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.723+/-0.012 χ^2/NDF: 508758.8/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.709+/-0.011 χ^2/NDF: 1045927.5/32

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

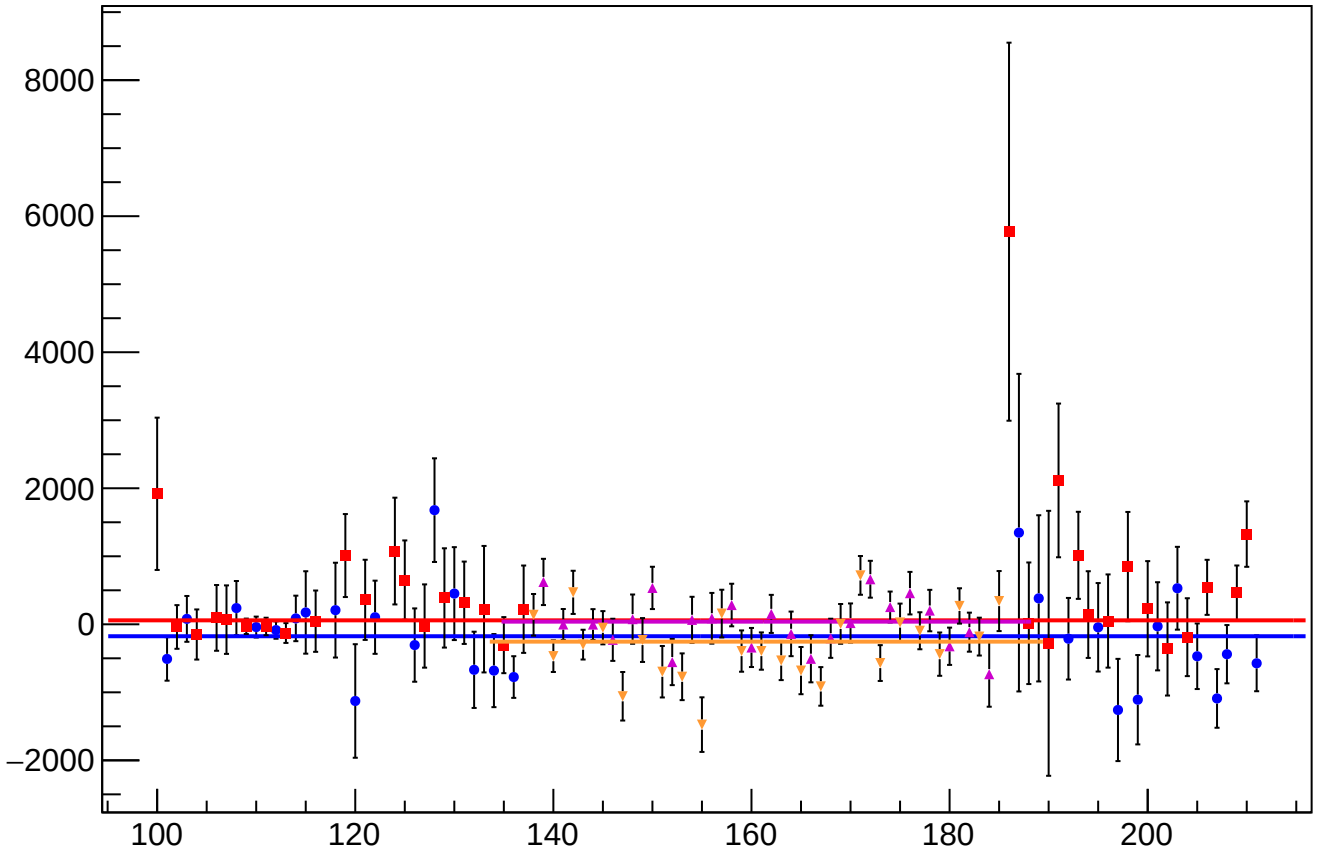
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.225+/-0.008 χ^2/NDF: 1558425.0/60

In: 61.771+/-0.007 χ^2/NDF:1098886.2/50

Out: 61.982+/-0.007 χ^2/NDF:1738873.5/57

All: 61.880+/-0.005 χ^2/NDF: 2838172.7/108



Right In: -175.454+/-69.274 χ^2/NDF: 31.5/27

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 58.258+/-59.946 χ^2/NDF: 33.4/32

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

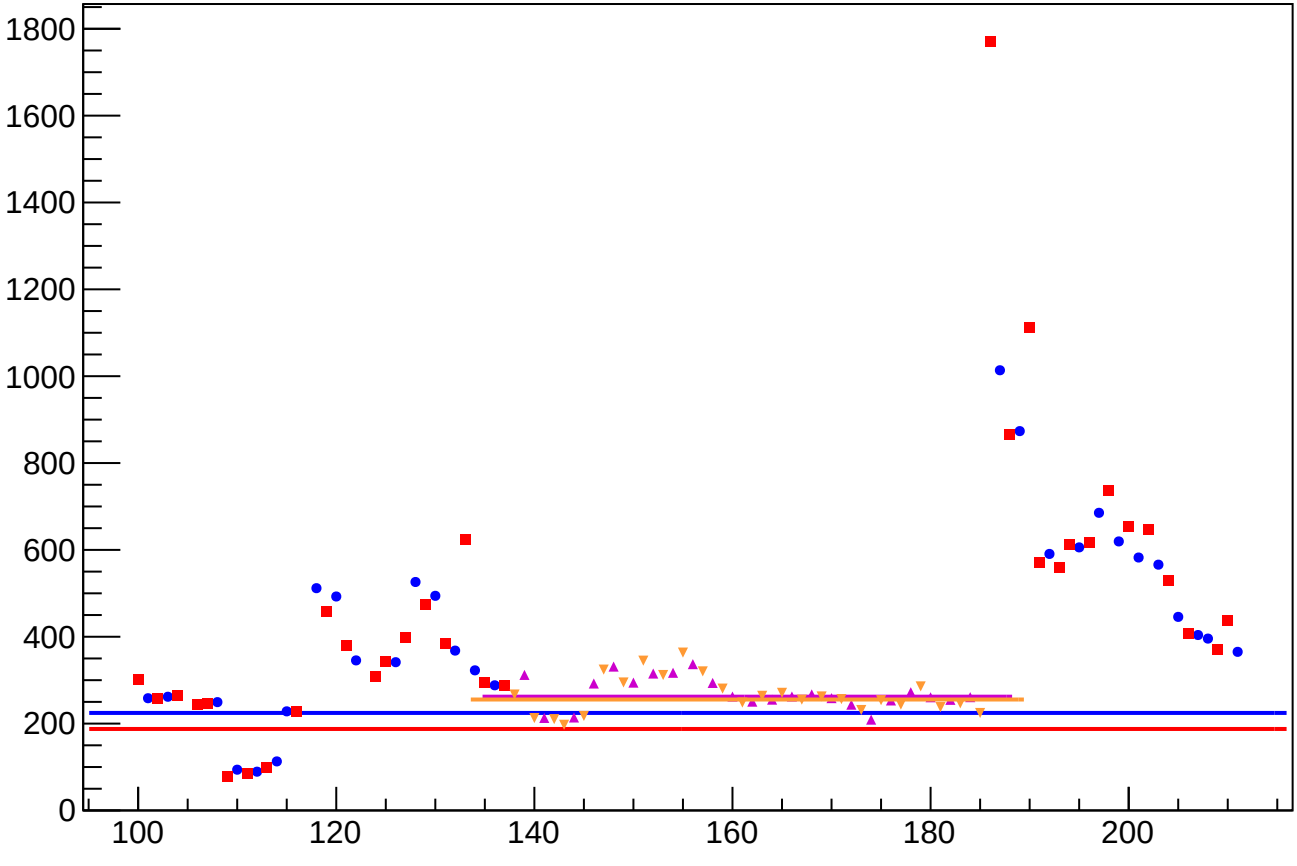
Right: -41.814+/-45.330 χ^2/NDF: 71.4/60

In: -56.100+/-46.151 χ^2/NDF:65.2/50

Out: -100.999+/-42.005 χ^2/NDF:104.9/57

All: -80.656+/-31.064 χ^2/NDF: 170.6/108

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.583+/-0.049 χ^2/NDF: 11893140.9/27

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF: 16076066.9/32

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

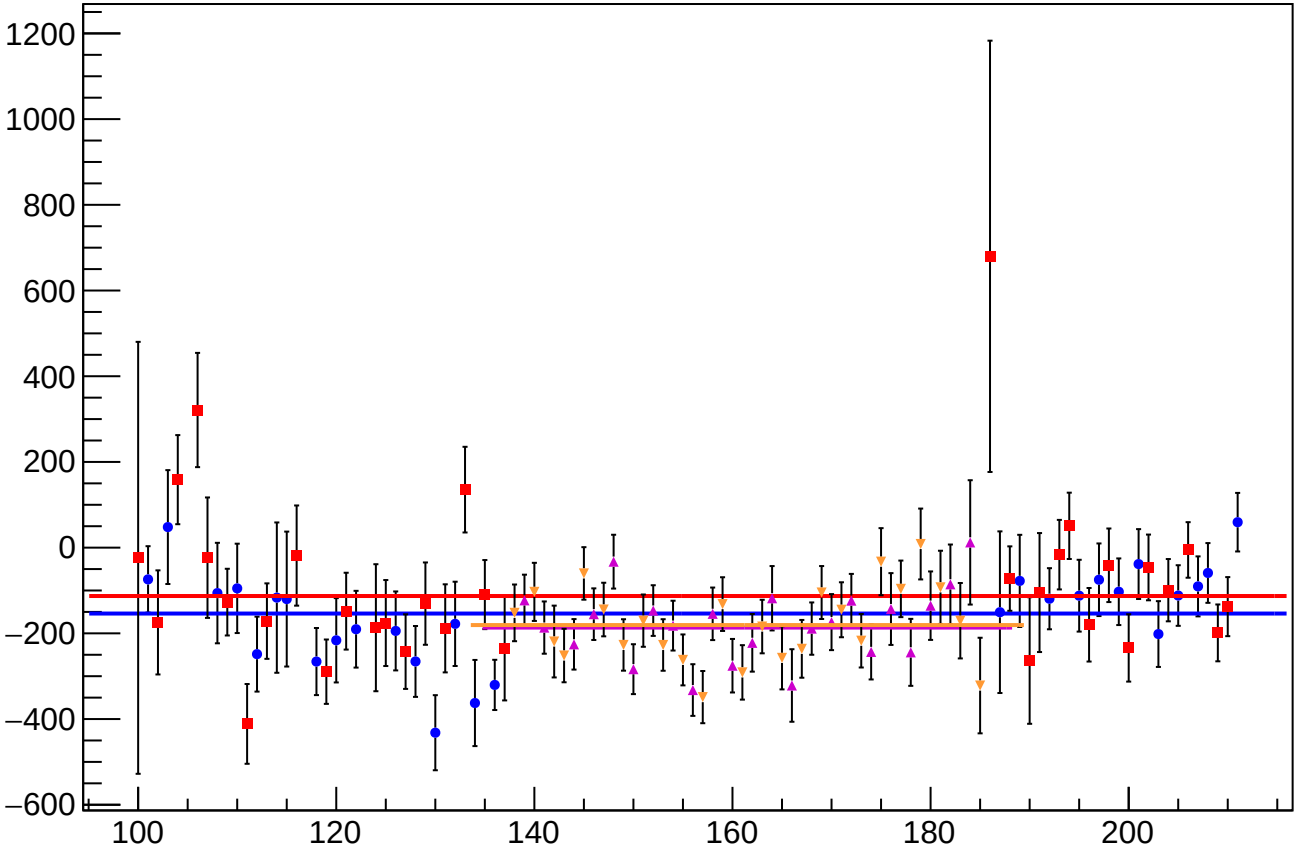
Right: 203.467+/-0.032 χ^2/NDF: 28294172.1/60

In: 245.397+/-0.033 χ^2/NDF:12888360.4/50

Out: 222.173+/-0.030 χ^2/NDF:18242688.9/57

All: 232.695+/-0.022 χ^2/NDF: 31408062.9/10

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -153.786+/-16.279 χ^2/NDF: 49.7/27

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -112.894+/-15.965 χ^2/NDF: 64.6/32

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

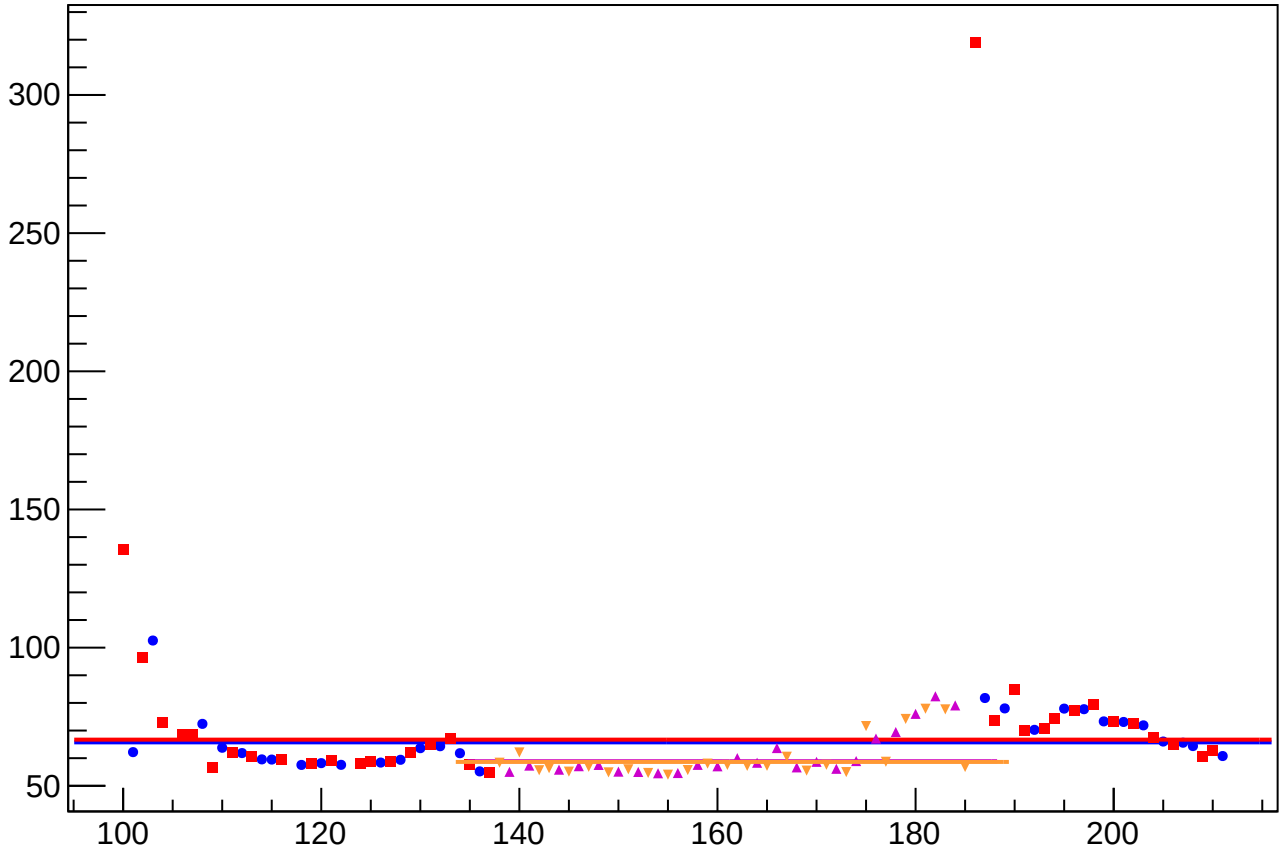
Right: -132.942+/-11.398 χ^2/NDF: 117.5/60

In: -172.791+/-10.553 χ^2/NDF:81.1/50

Out: -152.618+/-10.272 χ^2/NDF:113.7/57

All: -162.433+/-7.361 χ^2/NDF: 196.7/108

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.723+/-0.012 χ^2/NDF: 508758.8/27

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.709+/-0.011 χ^2/NDF: 1045927.5/32

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

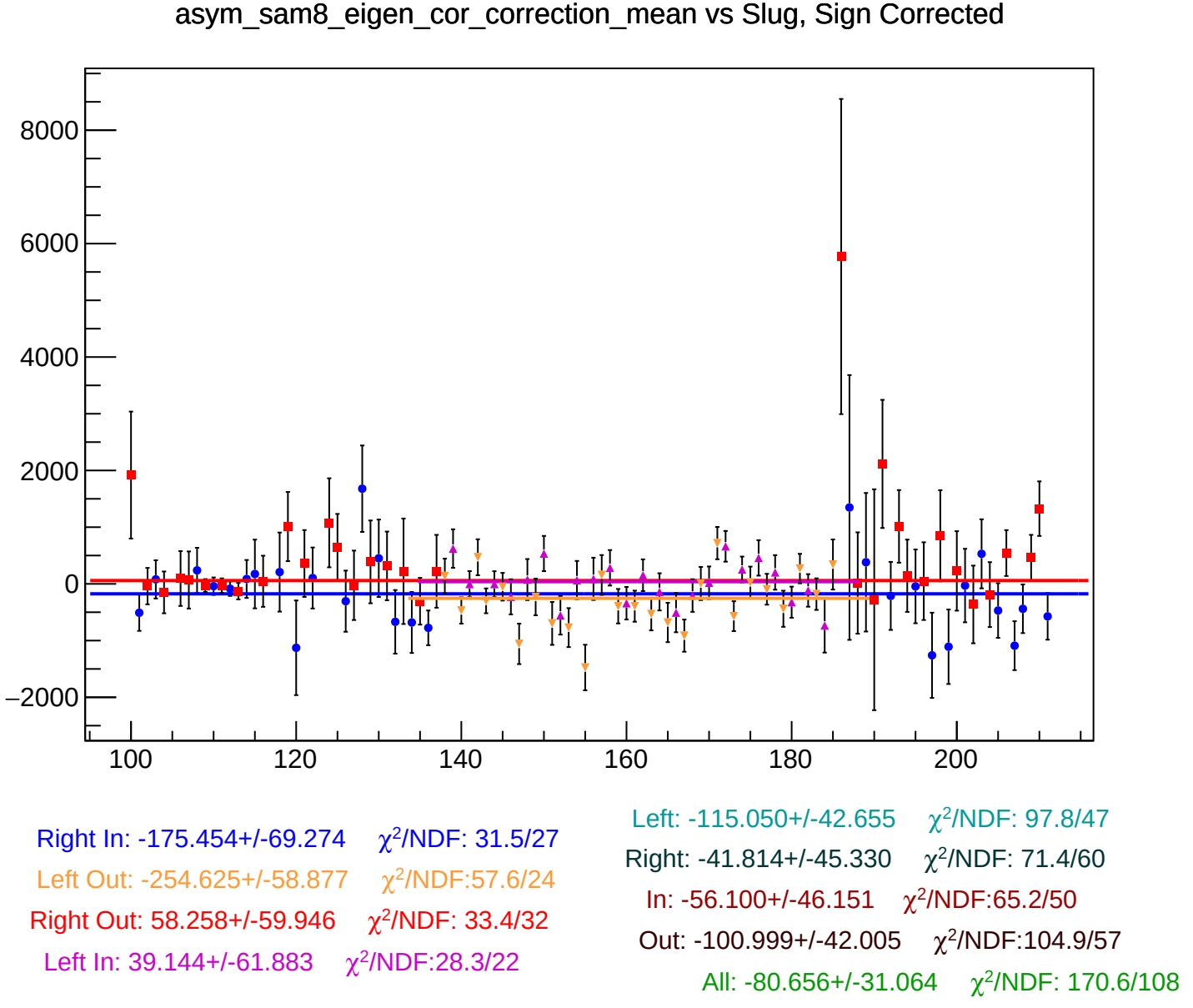
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

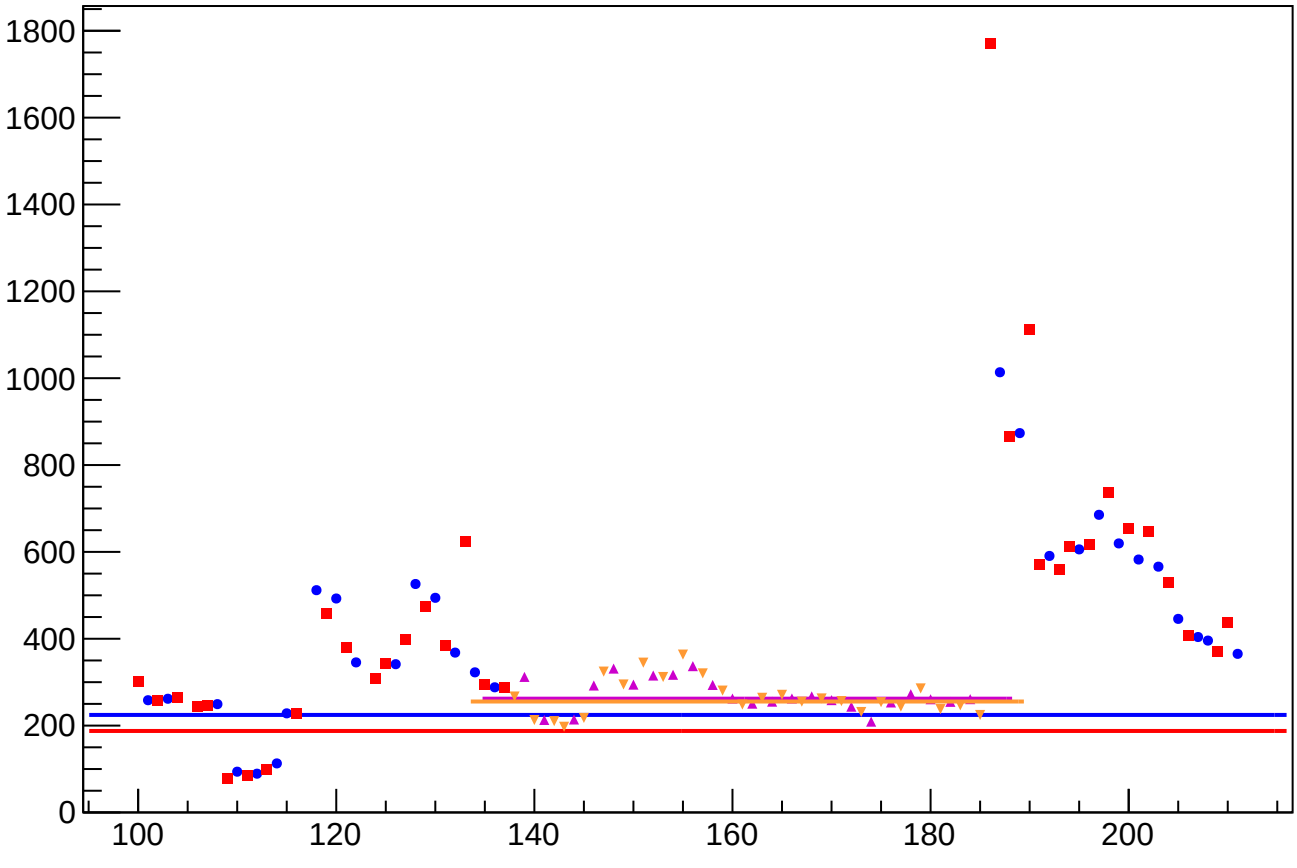
Right: 66.225+/-0.008 χ^2/NDF: 1558425.0/60

In: 61.771+/-0.007 χ^2/NDF:1098886.2/50

Out: 61.982+/-0.007 χ^2/NDF:1738873.5/57

All: 61.880+/-0.005 χ^2/NDF: 2838172.7/108


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -175.454+/-69.274 χ²/NDF: 31.5/27
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 58.258+/-59.946 χ²/NDF: 33.4/32
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -41.814+/-45.330 χ²/NDF: 71.4/60
In: -56.100+/-46.151 χ²/NDF:65.2/50
Out: -100.999+/-42.005 χ²/NDF:104.9/57
All: -80.656+/-31.064 χ²/NDF: 170.6/108



Right In: 224.583+/-0.049 χ^2/NDF: 11893140.9/27

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 187.656+/-0.042 χ^2/NDF: 16076066.9/32

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

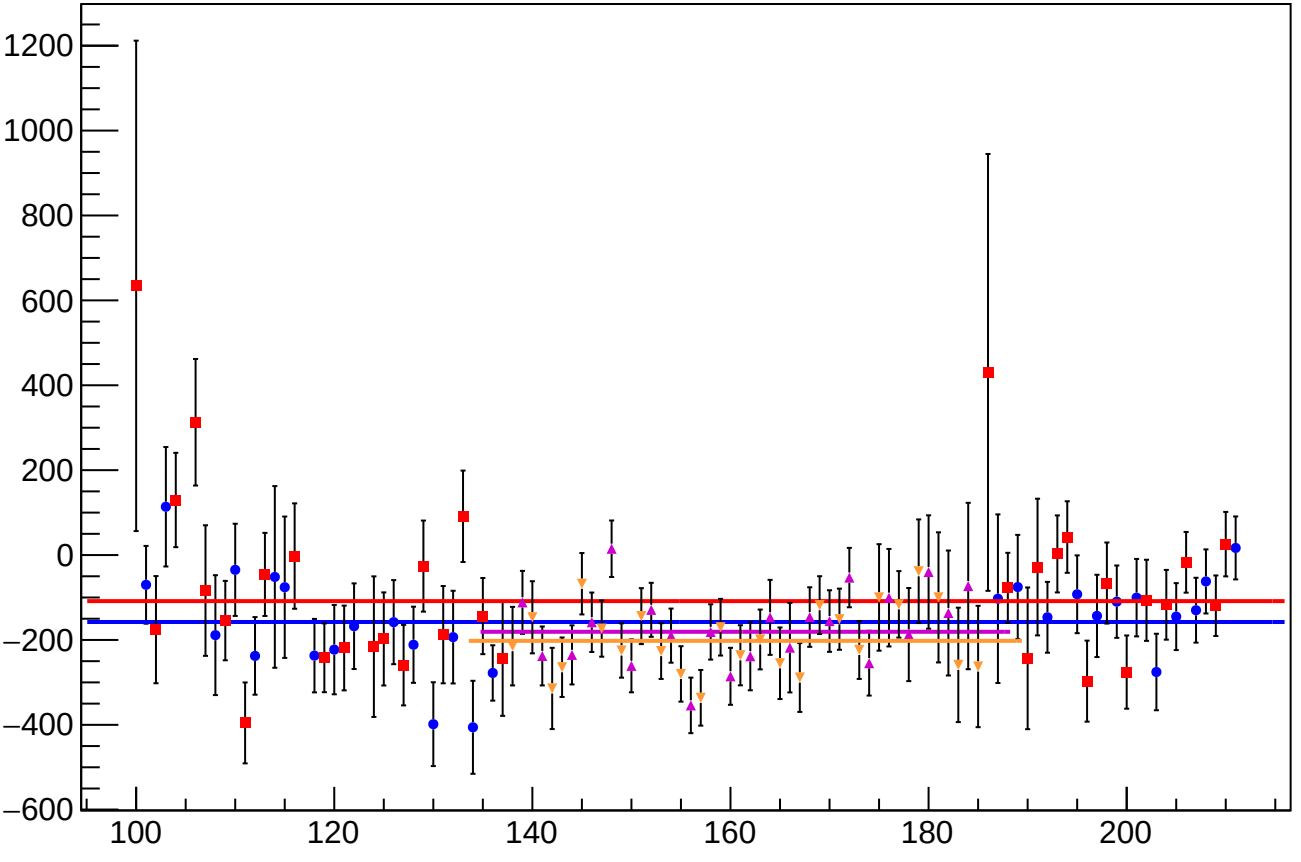
Right: 203.467+/-0.032 χ^2/NDF: 28294172.1/60

In: 245.397+/-0.033 χ^2/NDF:12888360.4/50

Out: 222.173+/-0.030 χ^2/NDF:18242688.9/57

All: 232.695+/-0.022 χ^2/NDF: 31408062.9/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -157.695+/-18.060 χ^2/NDF: 34.2/27

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.523+/-17.666 χ^2/NDF: 57.7/32

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

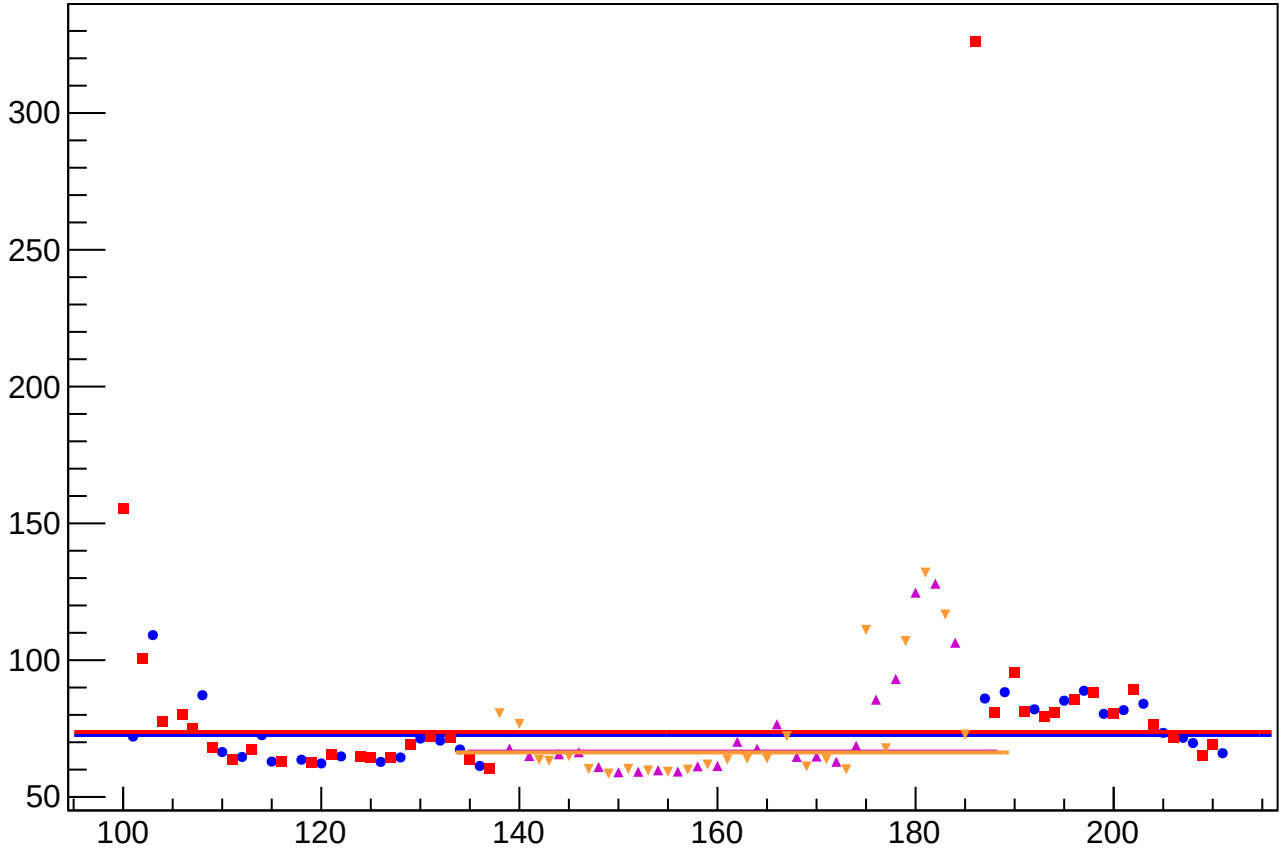
Right: -132.568+/-12.629 χ^2/NDF: 95.7/60

In: -170.617+/-11.984 χ^2/NDF:65.2/50

Out: -161.279+/-11.667 χ^2/NDF:95.1/57

All: -165.823+/-8.360 χ^2/NDF: 160.6/108

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.663+/-0.013 χ^2/NDF: 588425.5/27

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.725+/-0.012 χ^2/NDF: 1067153.4/32

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

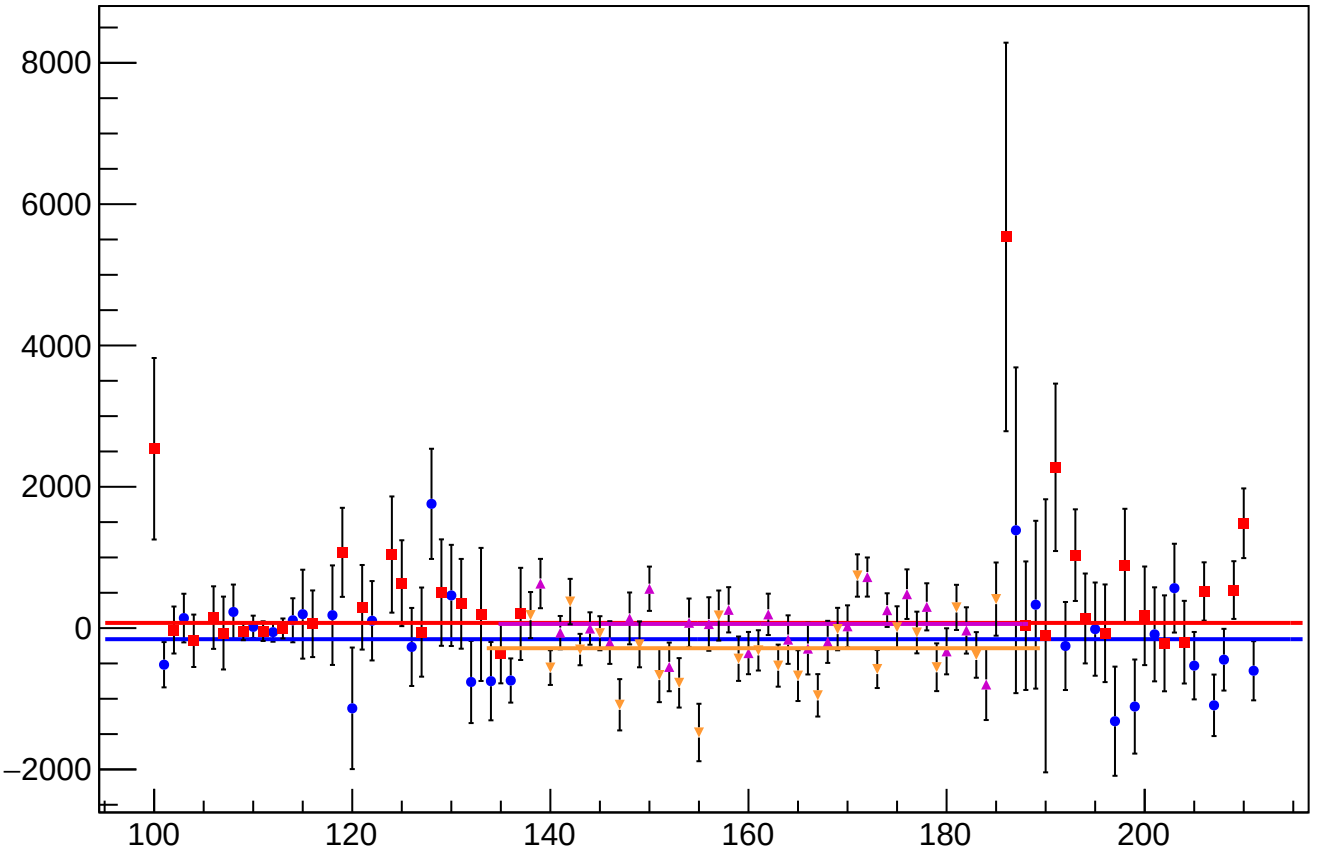
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.206+/-0.009 χ^2/NDF: 1659116.6/60

In: 69.261+/-0.008 χ^2/NDF:1873417.2/50

Out: 69.527+/-0.008 χ^2/NDF:2661369.7/57

All: 69.398+/-0.006 χ^2/NDF: 4535290.3/108



Right In: -156.836+/-71.307 χ^2/NDF: 33.3/27

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 73.614+/-61.532 χ^2/NDF: 34.8/32

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

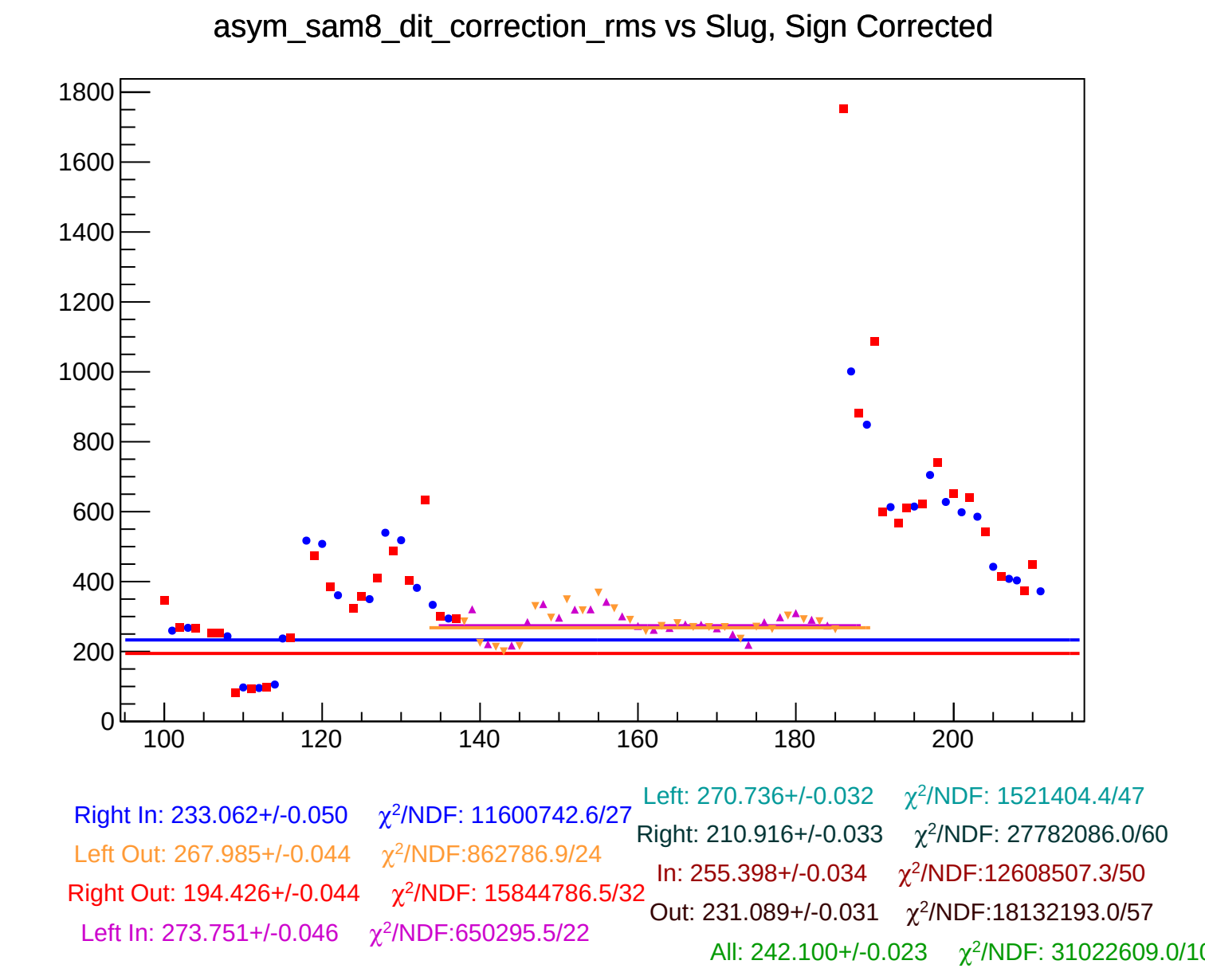
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -24.744+/-46.585 χ^2/NDF: 74.1/60

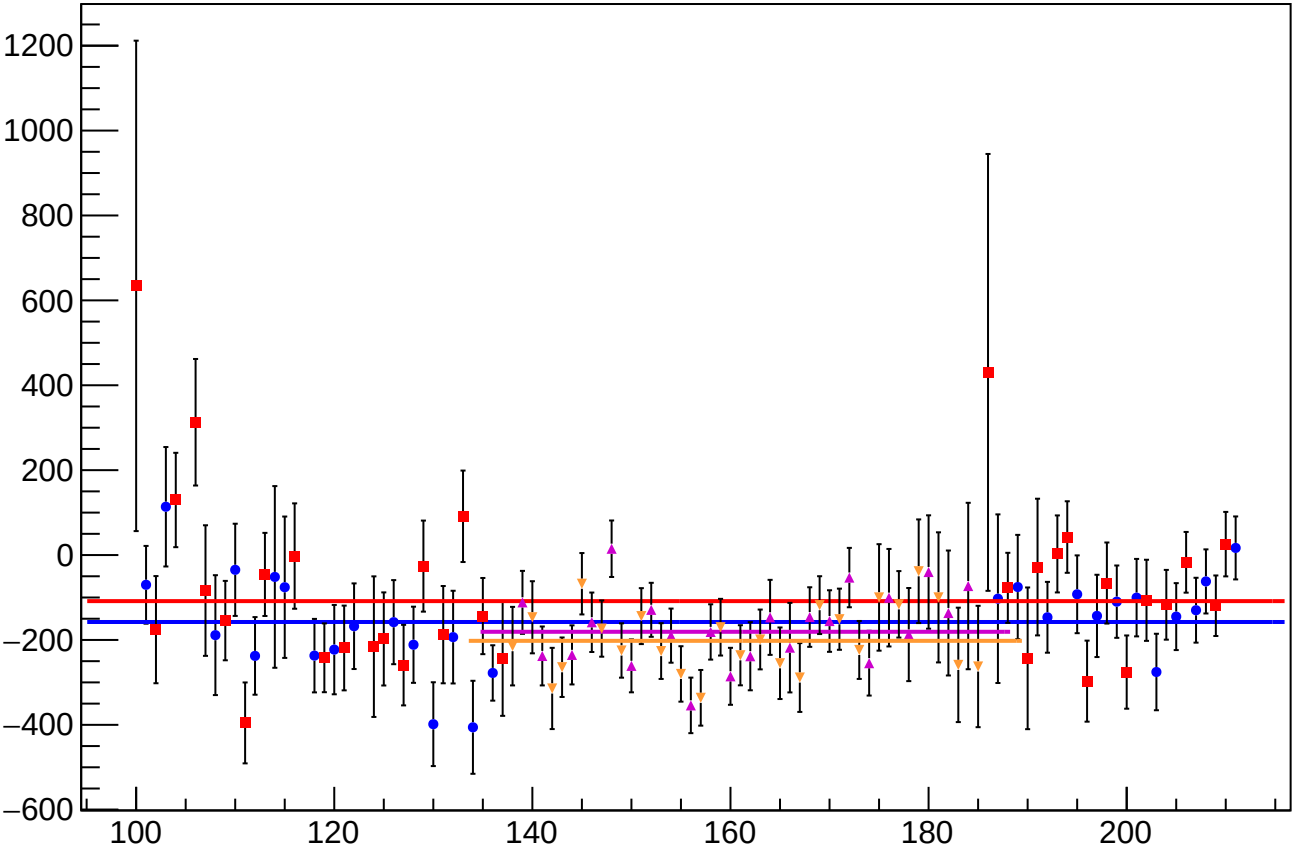
In: -38.264+/-47.890 χ^2/NDF:65.1/50

Out: -104.849+/-43.578 χ^2/NDF:106.3/57

All: -74.688+/-32.231 χ^2/NDF: 172.5/108


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 233.062+/-0.050 χ²/NDF: 11600742.6/27
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 194.426+/-0.044 χ²/NDF: 15844786.5/32
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 210.916+/-0.033 χ²/NDF: 27782086.0/60
In: 255.398+/-0.034 χ²/NDF:12608507.3/50
Out: 231.089+/-0.031 χ²/NDF:18132193.0/57
All: 242.100+/-0.023 χ²/NDF: 31022609.0/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -157.695+/-18.060 χ^2/NDF: 34.2/27

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.524+/-17.666 χ^2/NDF: 57.7/32

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

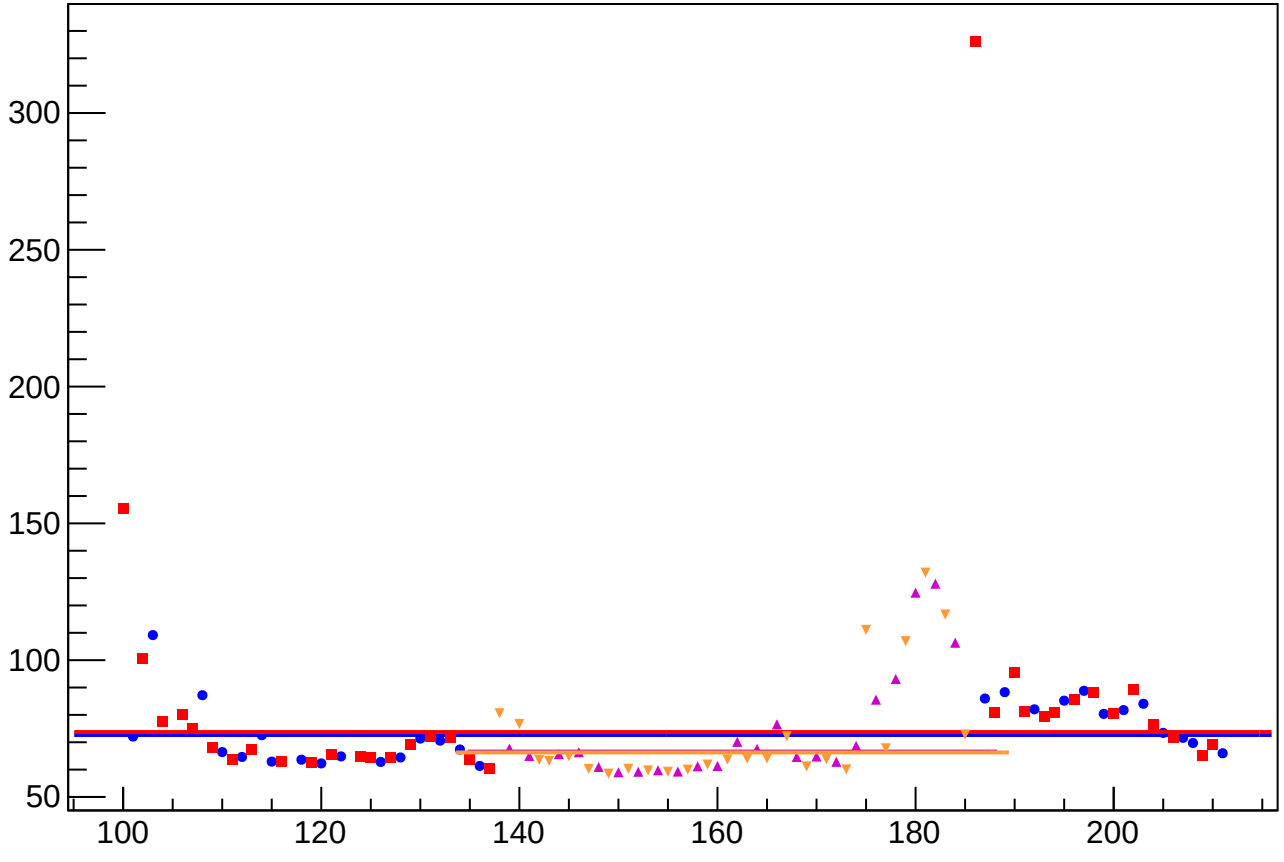
Right: -132.568+/-12.629 χ^2/NDF: 95.7/60

In: -170.617+/-11.984 χ^2/NDF:65.2/50

Out: -161.280+/-11.667 χ^2/NDF:95.1/57

All: -165.823+/-8.360 χ^2/NDF: 160.6/108

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.662+/-0.013 χ^2/NDF: 588428.9/27

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.725+/-0.012 χ^2/NDF: 1067158.1/32

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

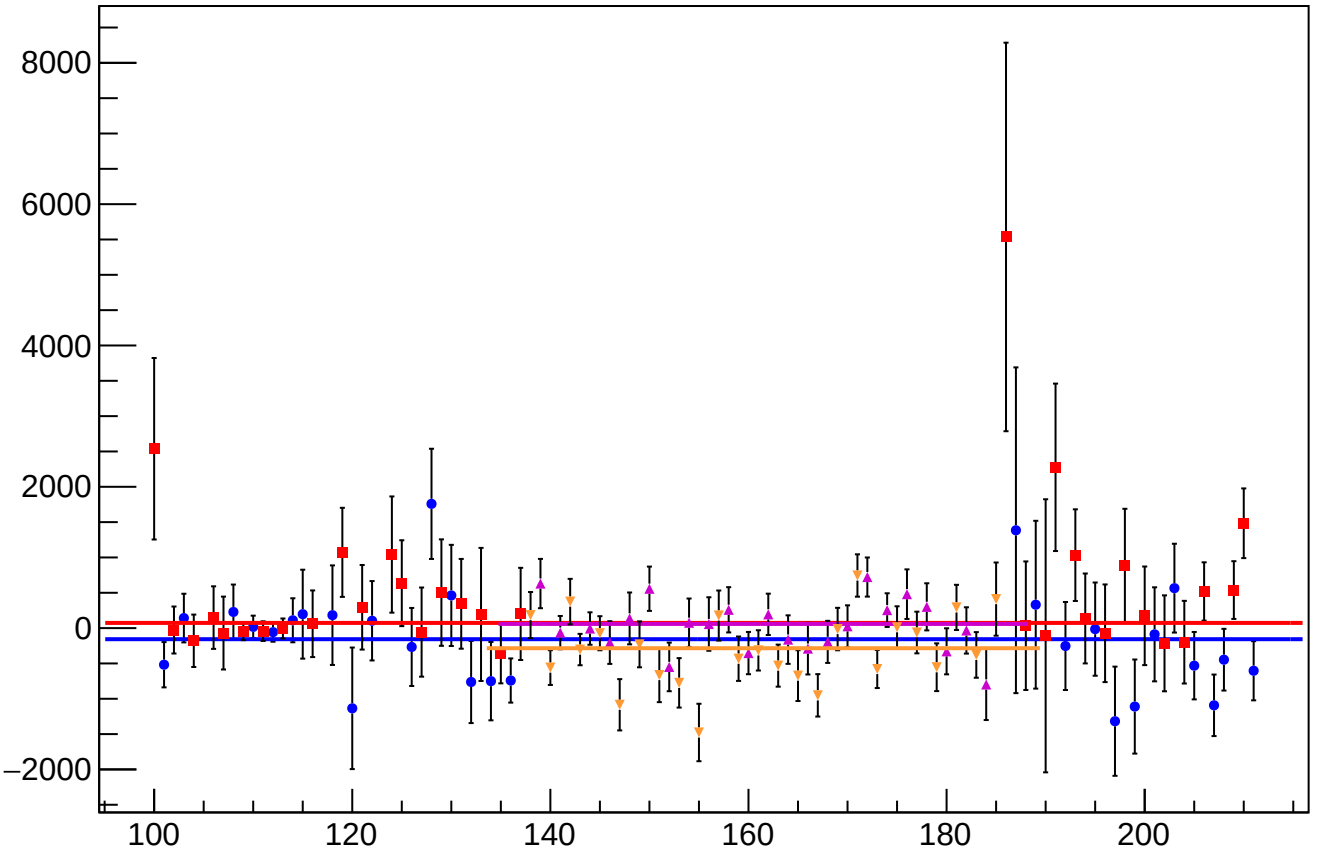
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.205+/-0.009 χ^2/NDF: 1659124.3/60

In: 69.261+/-0.008 χ^2/NDF:1873407.8/50

Out: 69.527+/-0.008 χ^2/NDF:2661366.9/57

All: 69.398+/-0.006 χ^2/NDF: 4535278.0/108



Right In: -156.834+/-71.307 χ^2/NDF: 33.3/27

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 73.612+/-61.531 χ^2/NDF: 34.8/32

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

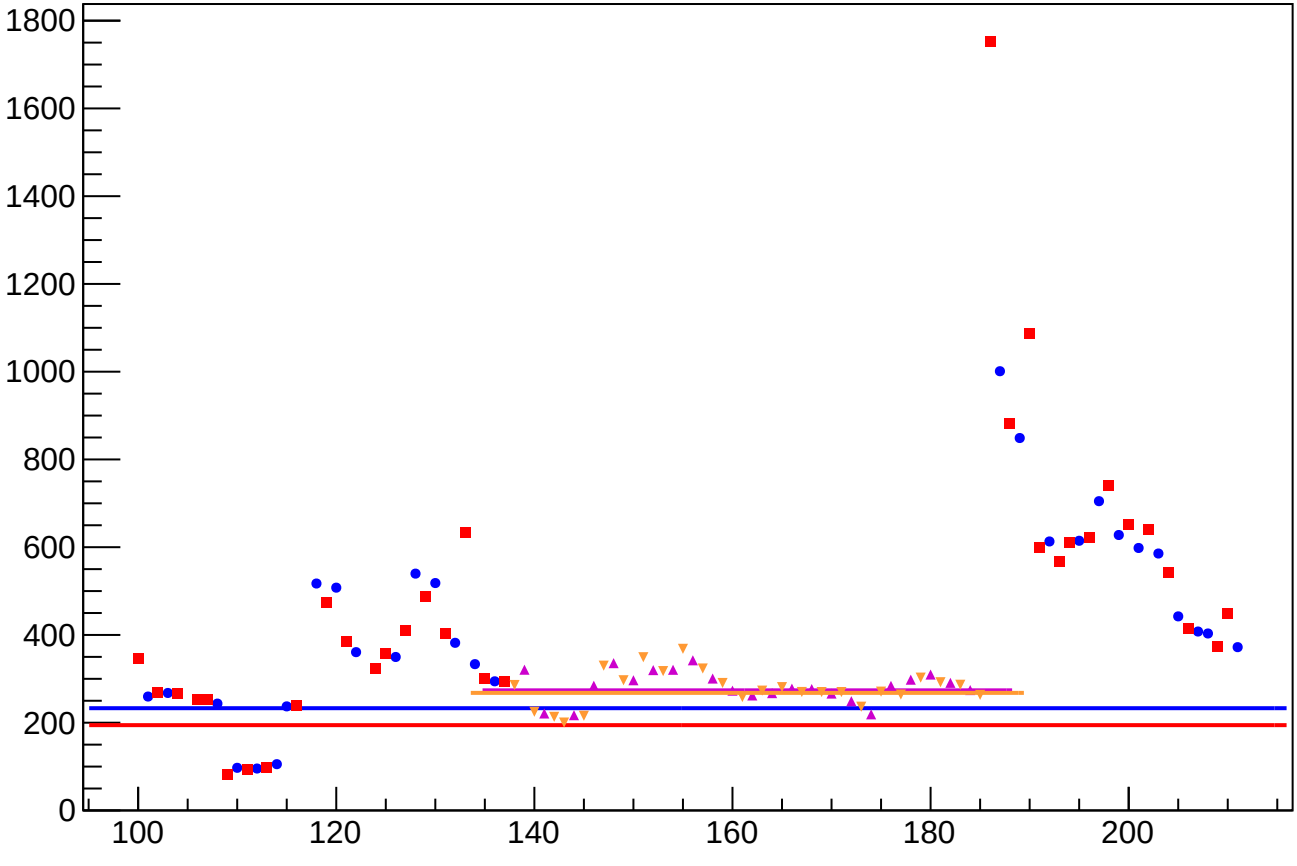
Right: -24.744+/-46.585 χ^2/NDF: 74.1/60

In: -38.263+/-47.890 χ^2/NDF:65.1/50

Out: -104.850+/-43.578 χ^2/NDF:106.3/57

All: -74.688+/-32.231 χ^2/NDF: 172.5/108

asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 233.061+/-0.050 χ^2/NDF: 11600822.0/27

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 194.425+/-0.044 χ^2/NDF: 15844776.2/32

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

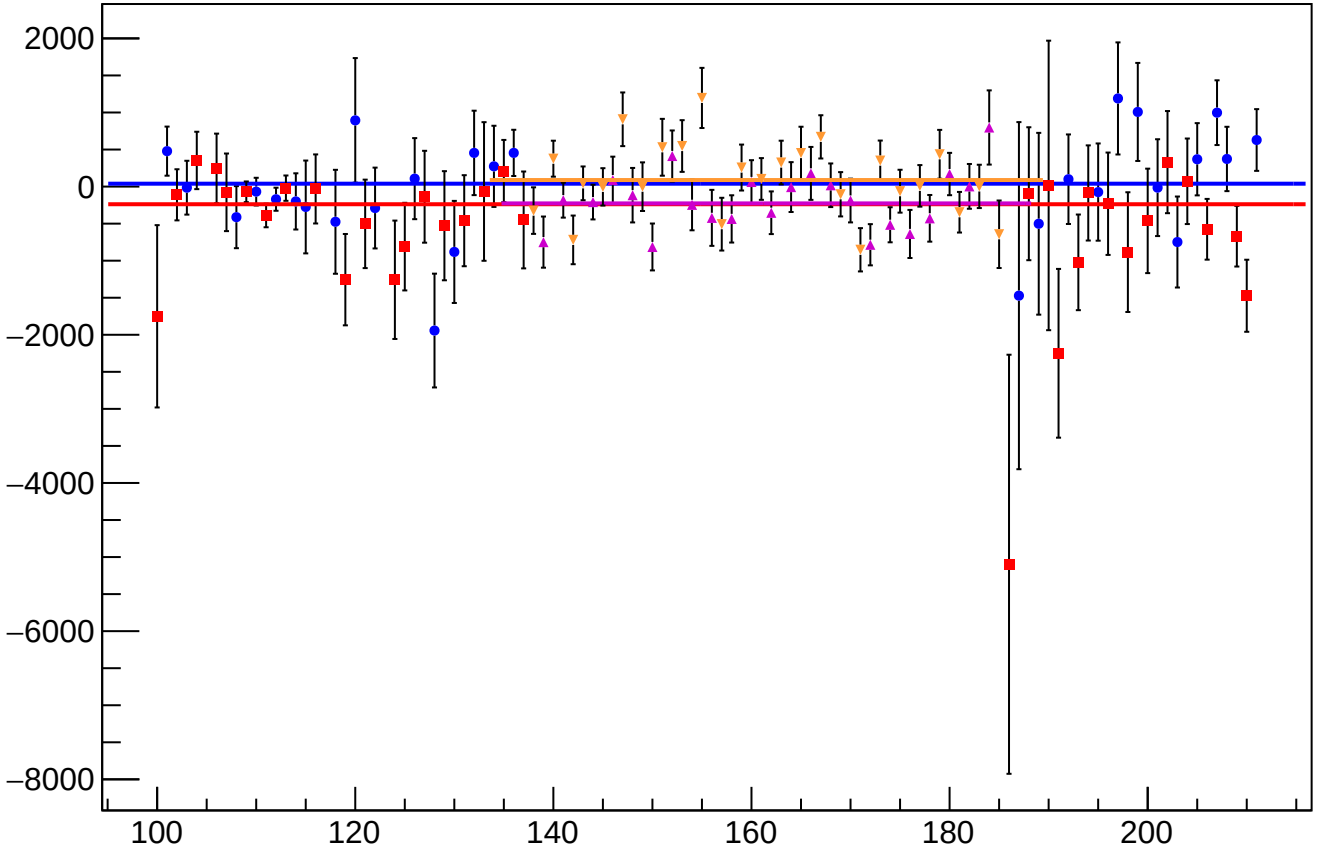
Right: 210.915+/-0.033 χ^2/NDF: 27782136.1/60

In: 255.397+/-0.034 χ^2/NDF:12608608.8/50

Out: 231.088+/-0.031 χ^2/NDF:18132182.3/57

All: 242.099+/-0.023 χ^2/NDF: 31022686.8/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: 39.099+/-77.174 χ^2/NDF: 33.3/27

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -238.113+/-68.388 χ^2/NDF: 34.0/32

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

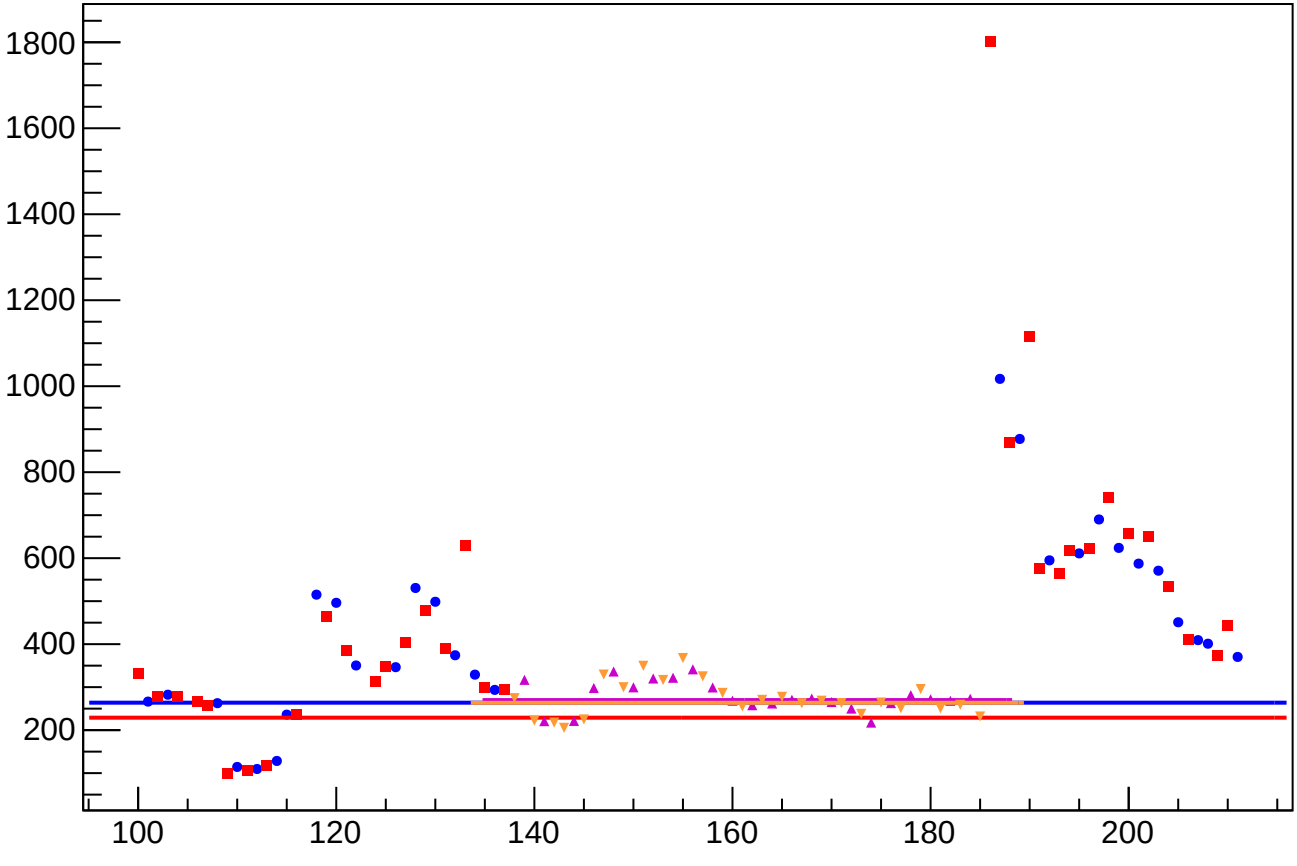
Right: -116.179+/-51.183 χ^2/NDF: 74.4/60

In: -119.138+/-49.116 χ^2/NDF:69.2/50

Out: -55.392+/-45.383 χ^2/NDF:98.9/57

All: -84.751+/-33.332 χ^2/NDF: 169.0/108

asym_sam8_rms vs Slug, Sign Corrected



Right In: 263.876+/-0.055 χ^2/NDF: 9540612.3/27

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 228.981+/-0.048 χ^2/NDF: 13435517.9/32

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

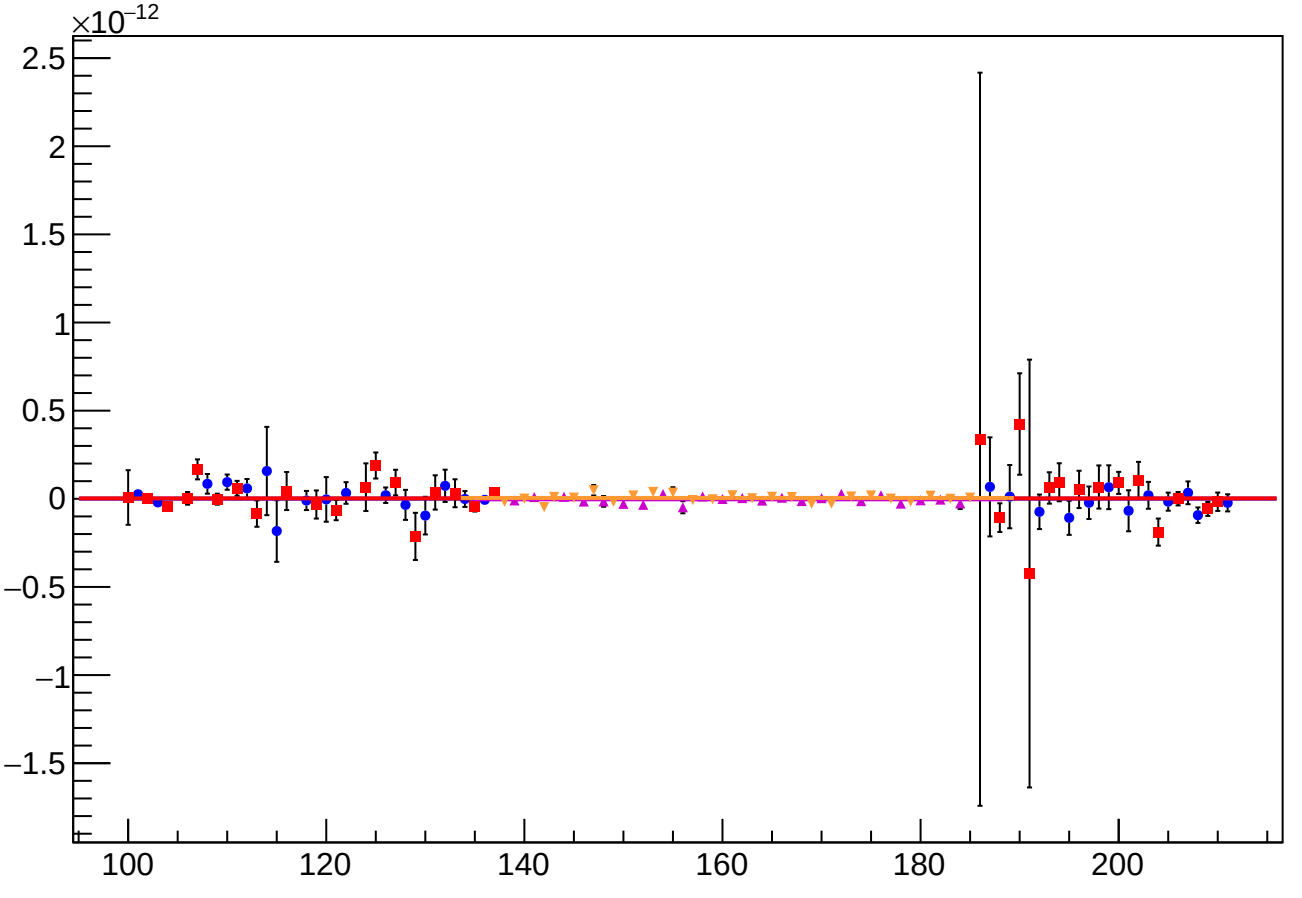
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 244.330+/-0.036 χ^2/NDF: 23205169.7/60

In: 267.459+/-0.035 χ^2/NDF:10150101.5/50

Out: 248.350+/-0.032 χ^2/NDF:14502062.6/57

All: 257.151+/-0.024 χ^2/NDF: 24815456.7/10



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.0/32

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

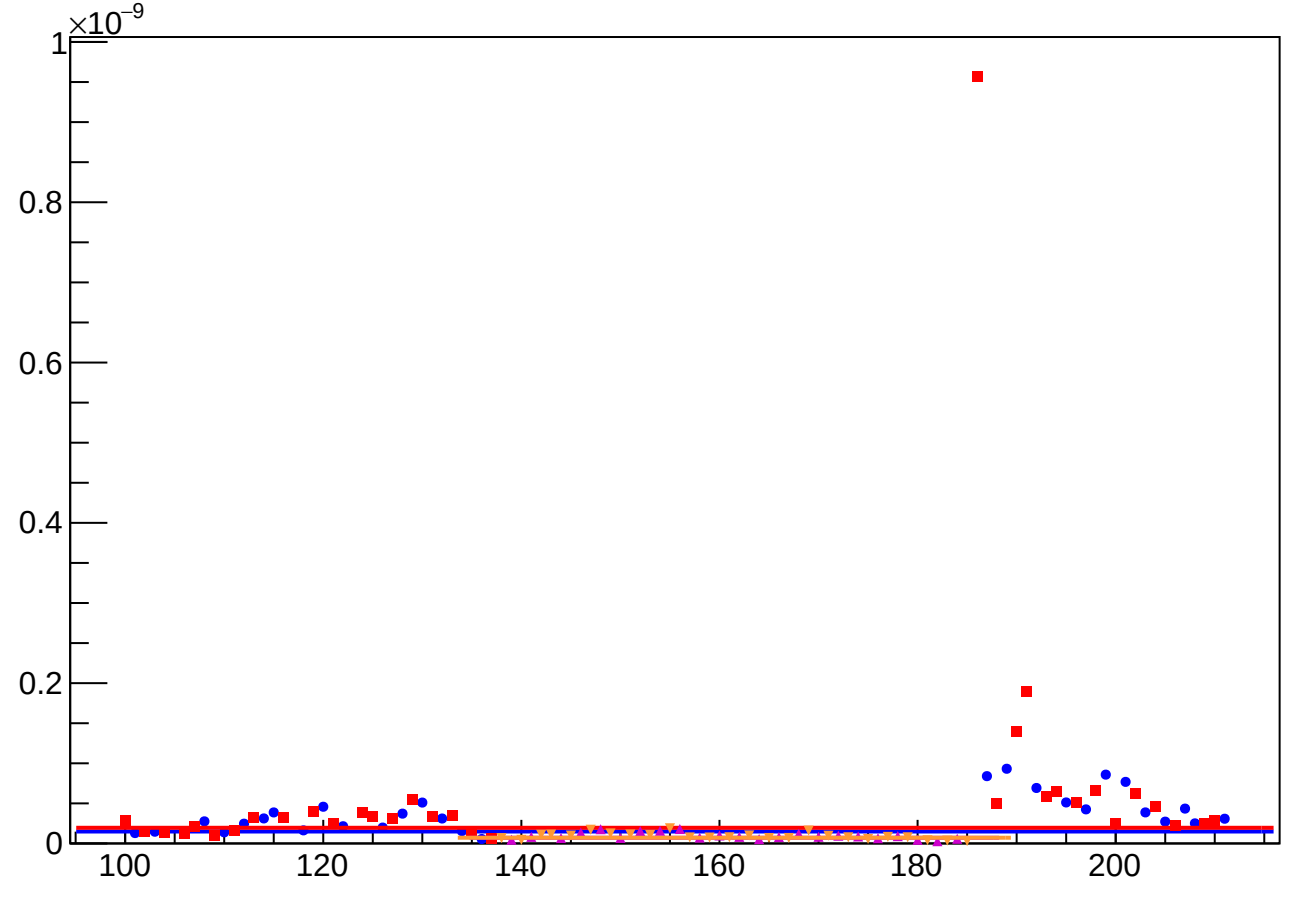
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 70.0/60

In: -0.000+/-0.000 χ^2/NDF:43.8/50

Out: 0.000+/-0.000 χ^2/NDF:75.9/57

All: 0.000+/-0.000 χ^2/NDF: 122.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 5986384.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4712335.8/32

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

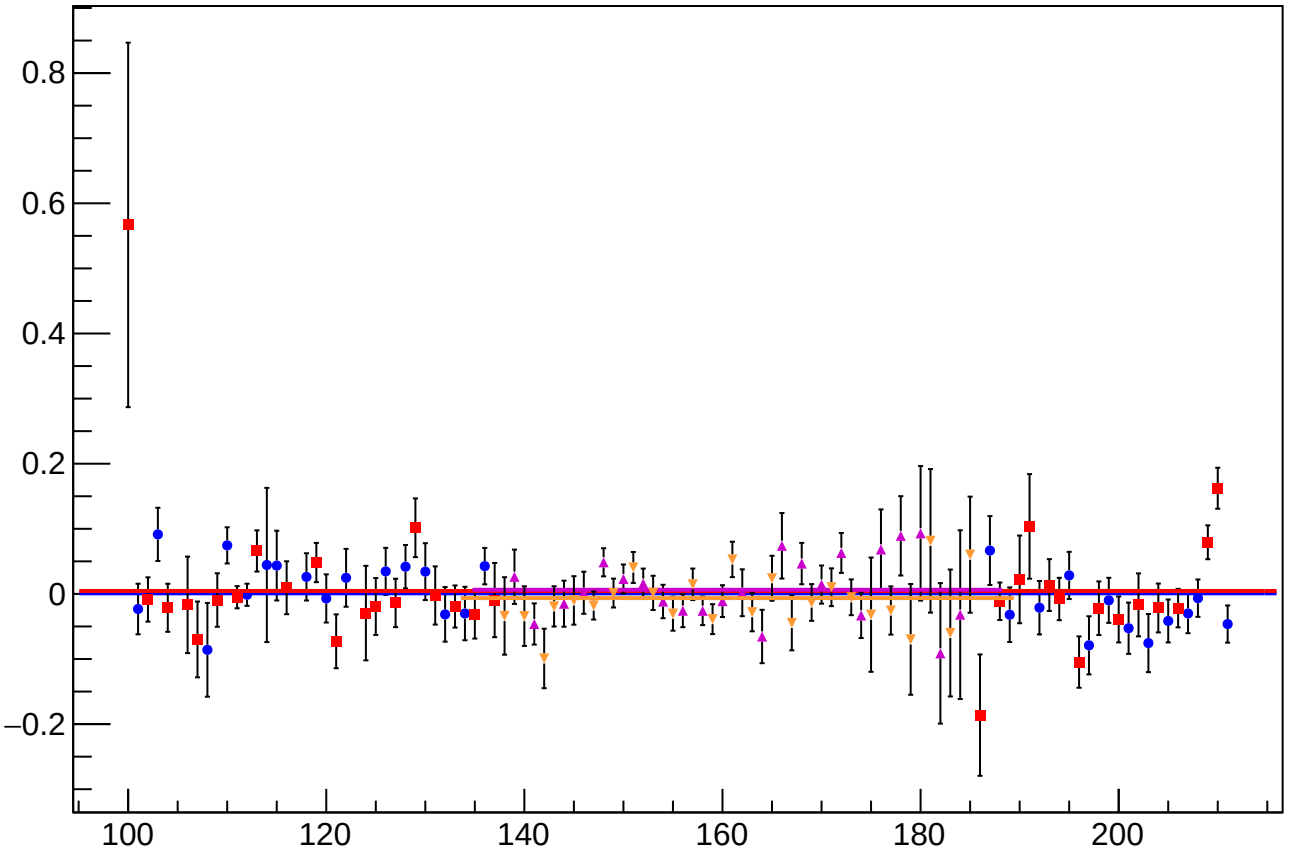
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11005972.0/60

In: 0.000+/-0.000 χ^2/NDF:9814091.4/50

Out: 0.000+/-0.000 χ^2/NDF:10086784.5/57

All: 0.000+/-0.000 χ^2/NDF: 19905319.5/108



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.004+/-0.006 χ^2/NDF: 73.9/32

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

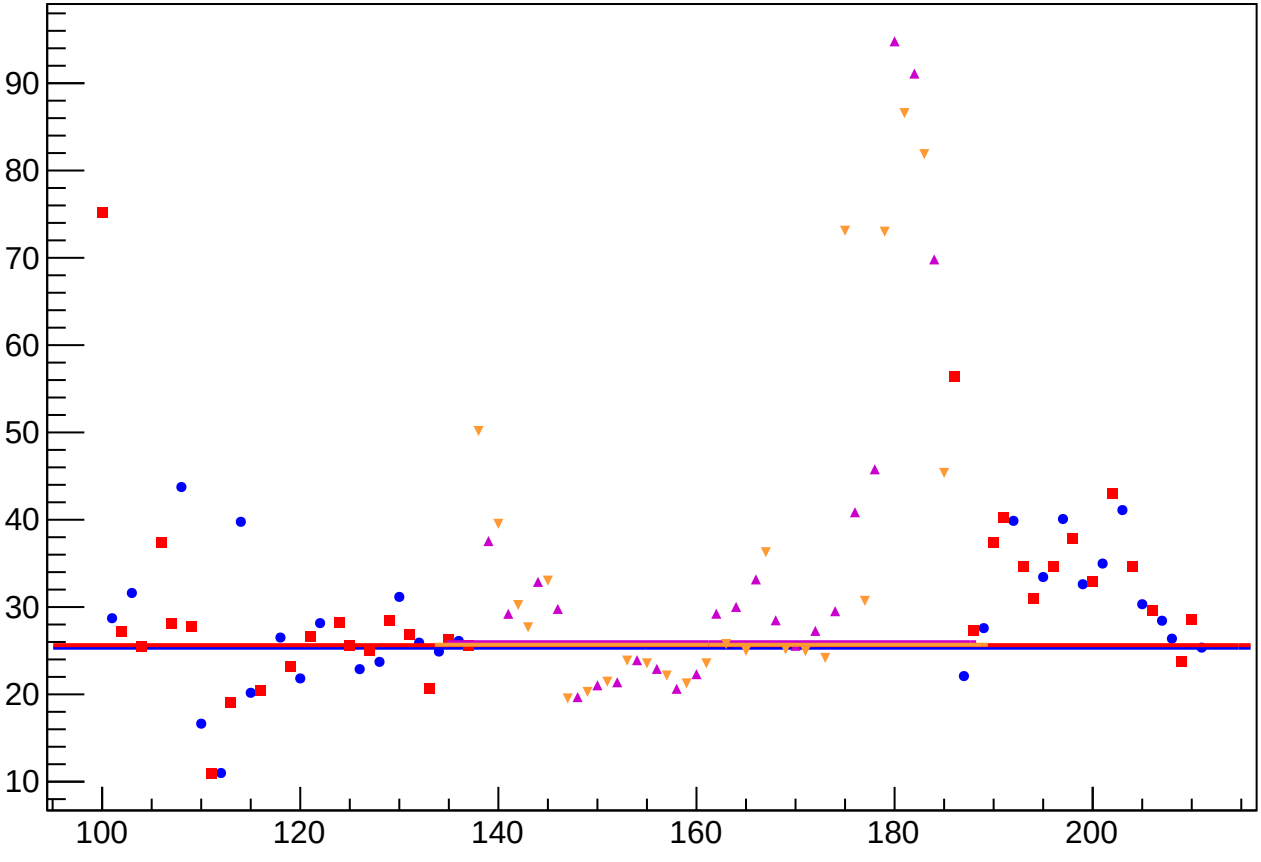
Right: 0.003+/-0.005 χ^2/NDF: 112.3/60

In: 0.004+/-0.005 χ^2/NDF:67.0/50

Out: -0.001+/-0.005 χ^2/NDF:97.9/57

All: 0.001+/-0.003 χ^2/NDF: 165.4/108

asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.343+/-0.005 χ^2/NDF: 3051685.0/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.635+/-0.005 χ^2/NDF: 3122265.3/32

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

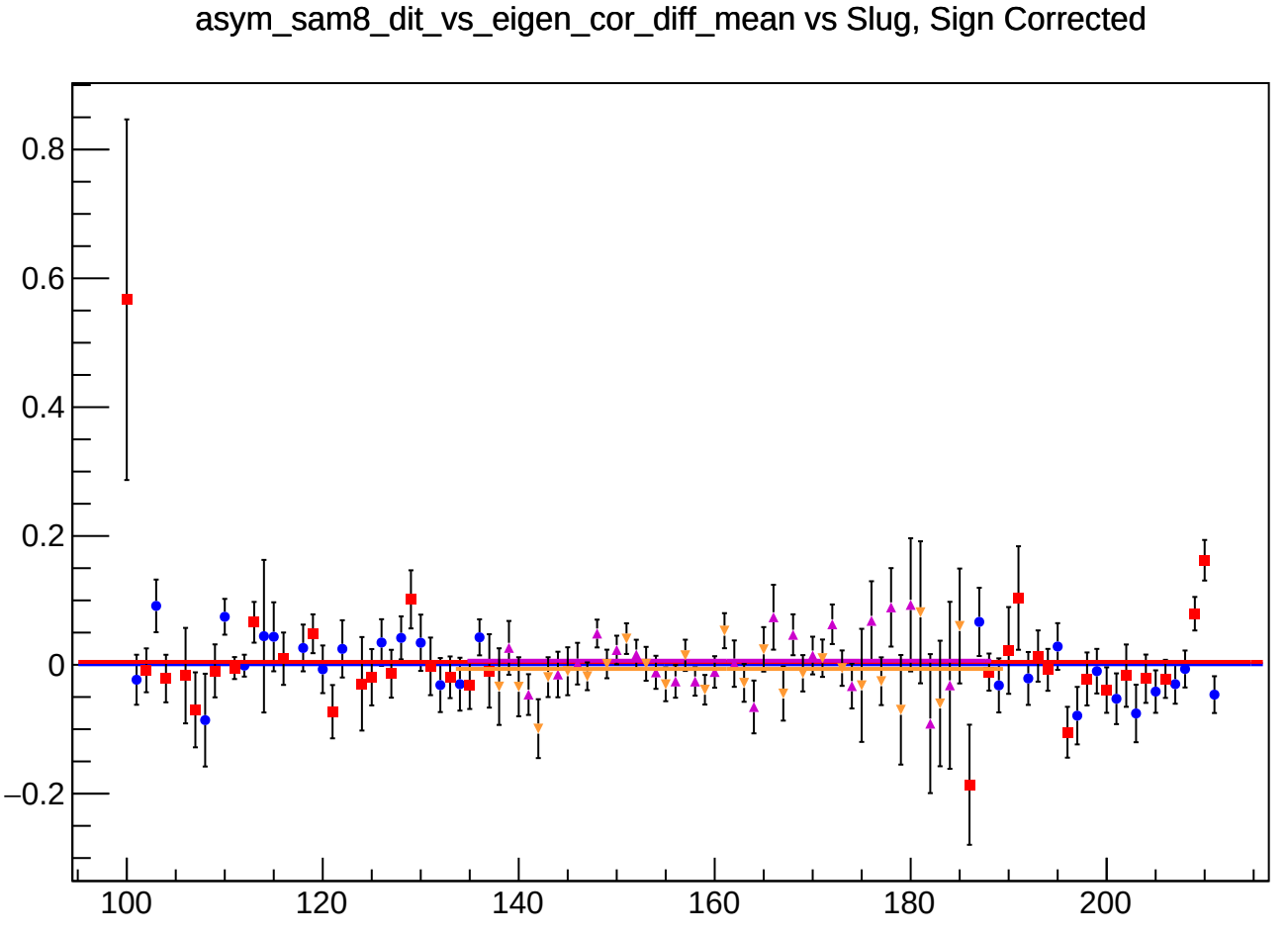
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.494+/-0.003 χ^2/NDF: 6175923.4/60

In: 25.660+/-0.003 χ^2/NDF:6178956.1/50

Out: 25.660+/-0.003 χ^2/NDF:6993866.7/57

All: 25.660+/-0.002 χ^2/NDF: 13172822.8/108



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.004+/-0.006 χ^2/NDF: 73.9/32

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

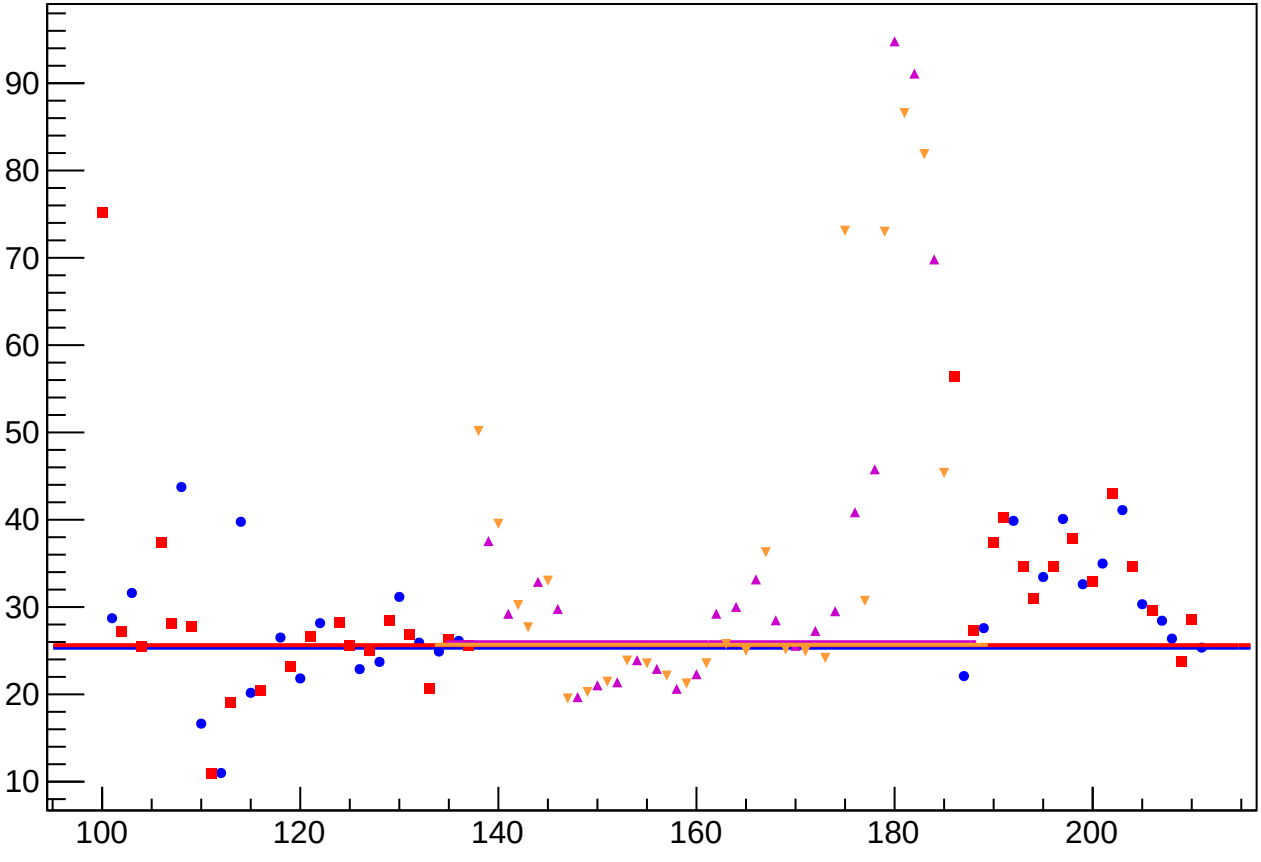
Right: 0.003+/-0.005 χ^2/NDF: 112.3/60

In: 0.004+/-0.005 χ^2/NDF:67.0/50

Out: -0.001+/-0.005 χ^2/NDF:97.9/57

All: 0.001+/-0.003 χ^2/NDF: 165.4/108

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.343+/-0.005 χ^2/NDF: 3051685.0/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.635+/-0.005 χ^2/NDF: 3122265.3/32

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

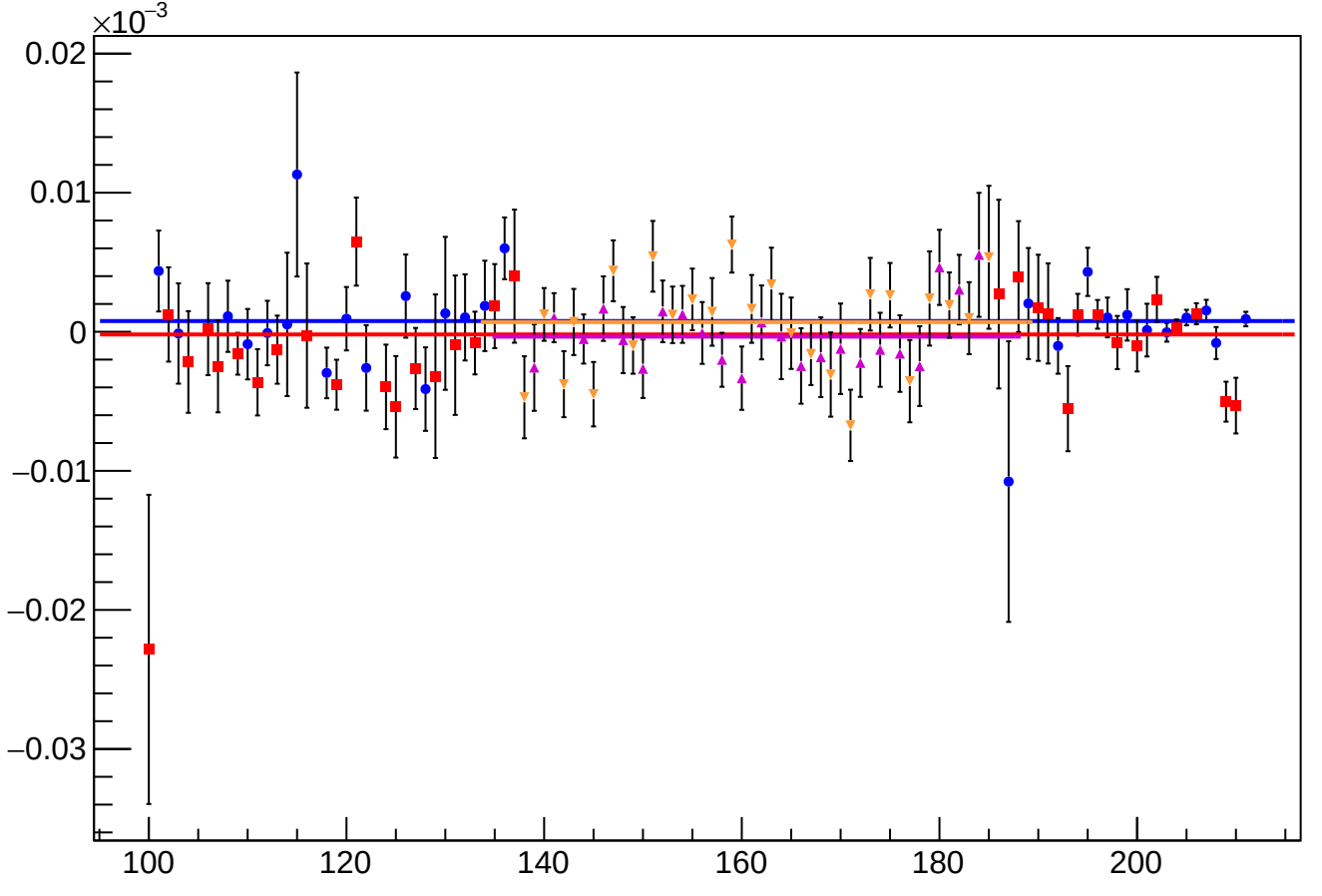
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.494+/-0.003 χ^2/NDF: 6175923.4/60

In: 25.660+/-0.003 χ^2/NDF:6178956.1/50

Out: 25.660+/-0.003 χ^2/NDF:6993866.7/57

All: 25.660+/-0.002 χ^2/NDF: 13172822.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.5/32

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

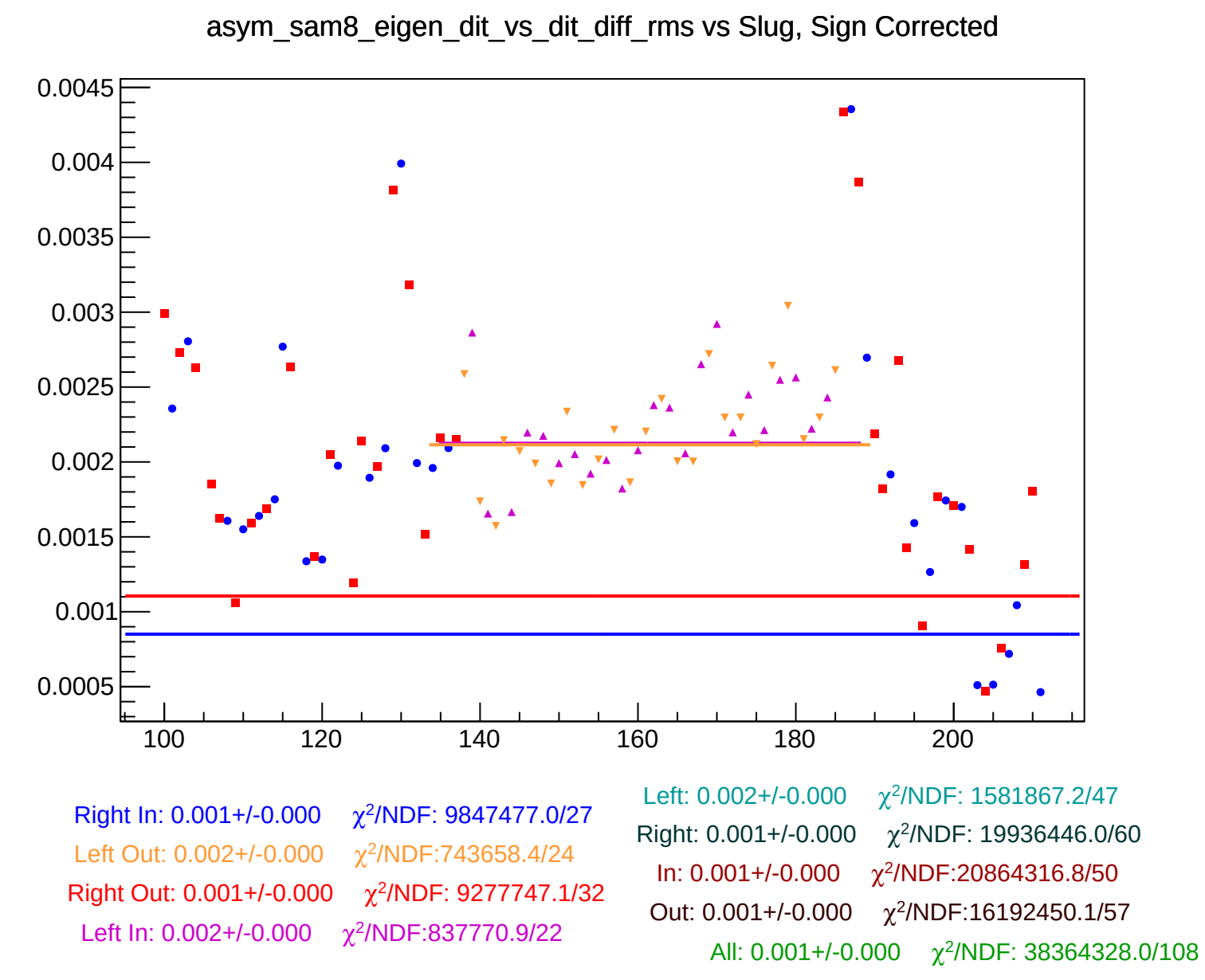
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 90.8/60

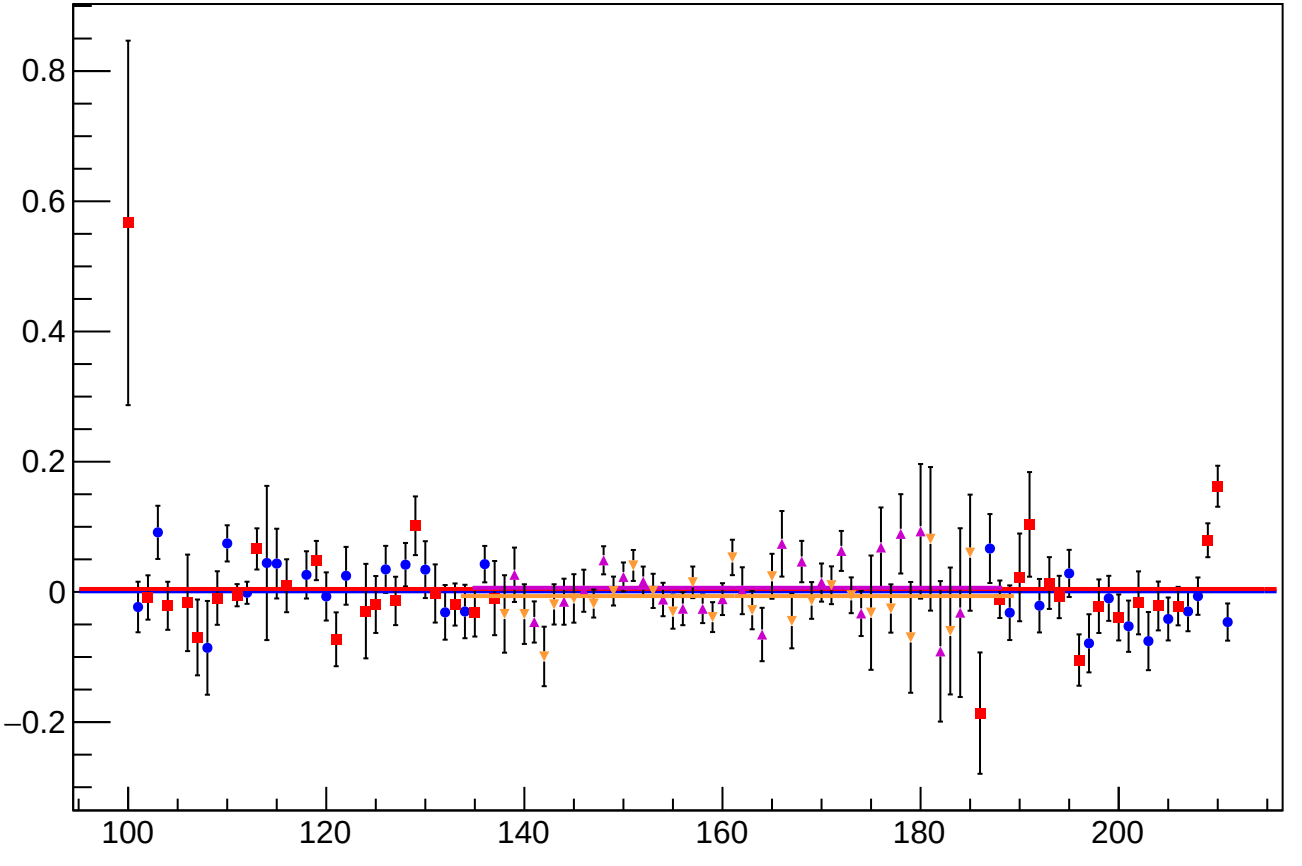
In: 0.000+/-0.000 χ^2/NDF:49.8/50

Out: 0.000+/-0.000 χ^2/NDF:102.2/57

All: 0.000+/-0.000 χ^2/NDF: 153.9/108


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9847477.0/27
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 9277747.1/32
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 19936446.0/60
In: 0.001+/-0.000 χ²/NDF:20864316.8/50
Out: 0.001+/-0.000 χ²/NDF:16192450.1/57
All: 0.001+/-0.000 χ²/NDF: 38364328.0/108

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.004+/-0.006 χ^2/NDF: 73.9/32

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

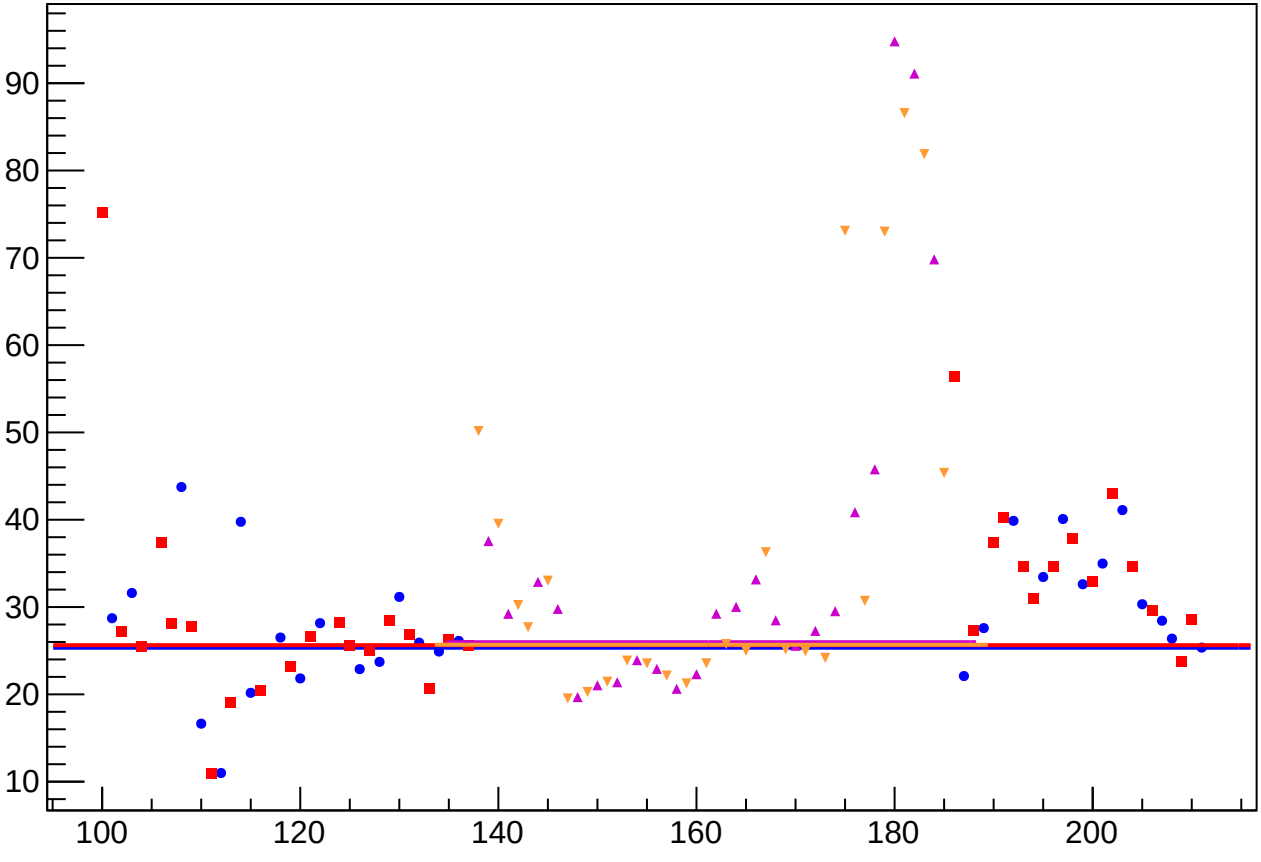
Right: 0.003+/-0.005 χ^2/NDF: 112.3/60

In: 0.004+/-0.005 χ^2/NDF:67.0/50

Out: -0.001+/-0.005 χ^2/NDF:97.9/57

All: 0.001+/-0.003 χ^2/NDF: 165.4/108

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.343+/-0.005 χ^2/NDF: 3051965.2/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.634+/-0.005 χ^2/NDF: 3122547.7/32

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

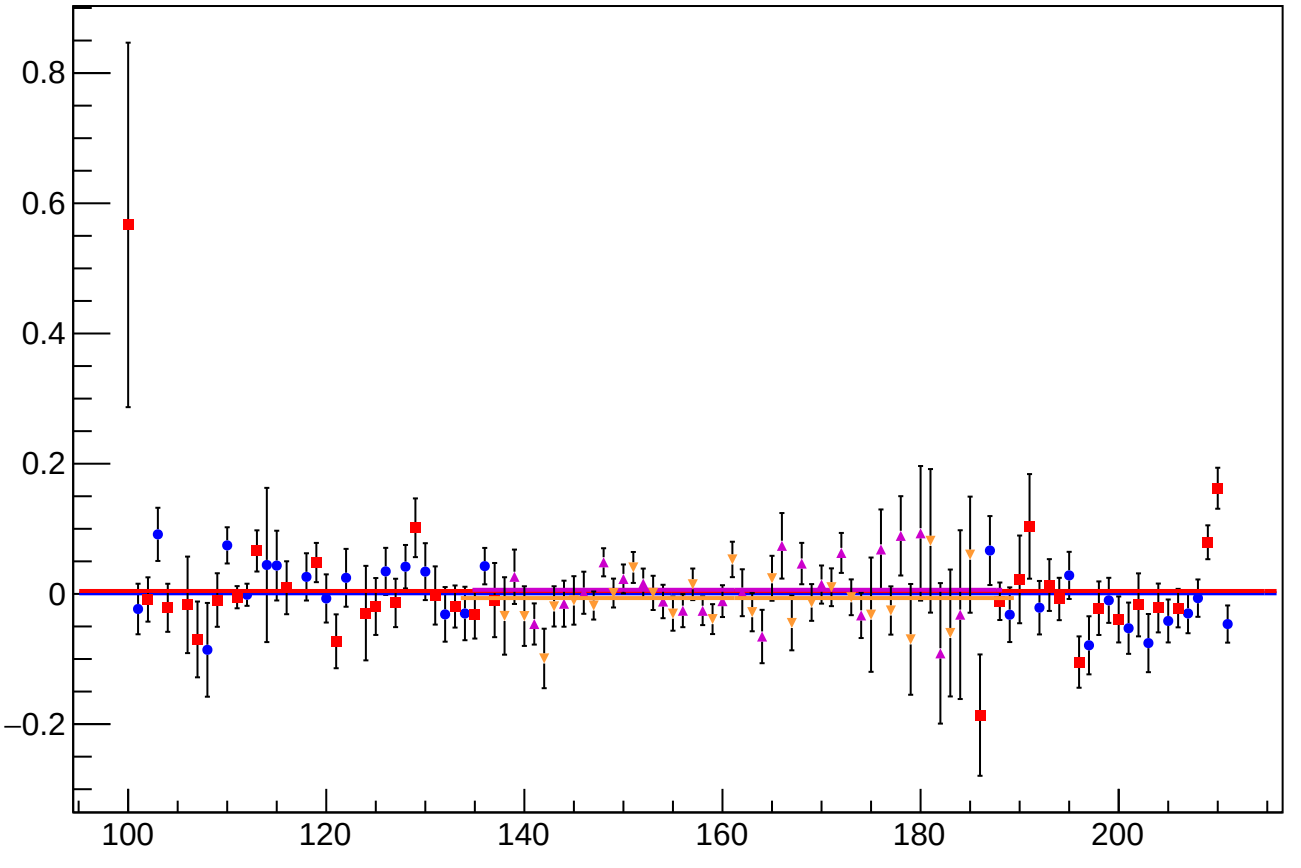
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.493+/-0.003 χ^2/NDF: 6176484.6/60

In: 25.659+/-0.003 χ^2/NDF:6179232.4/50

Out: 25.660+/-0.003 χ^2/NDF:6994154.0/57

All: 25.660+/-0.002 χ^2/NDF: 13173386.5/108



Right In: 0.001+/-0.007 χ^2/NDF: 38.3/27

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.004+/-0.006 χ^2/NDF: 73.9/32

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

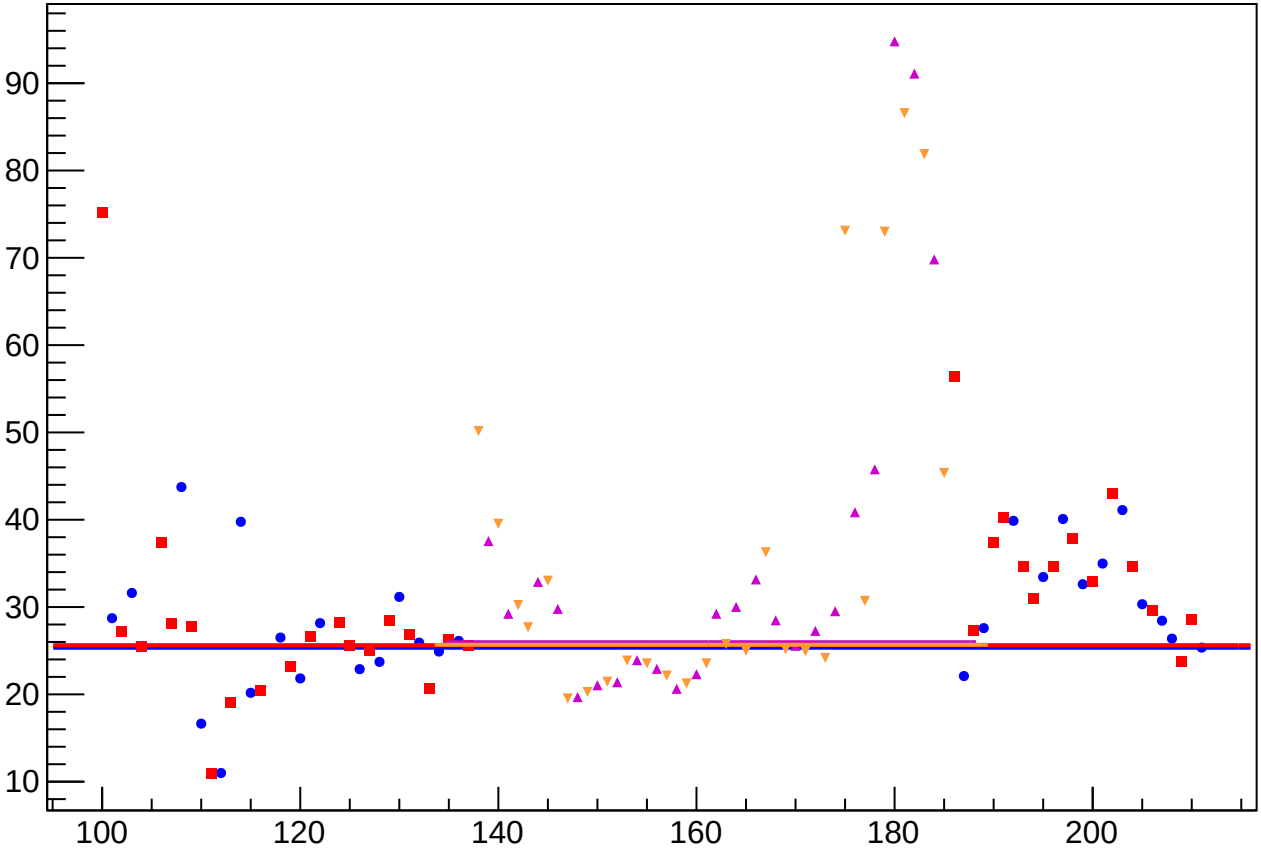
Right: 0.003+/-0.005 χ^2/NDF: 112.3/60

In: 0.004+/-0.005 χ^2/NDF:67.0/50

Out: -0.001+/-0.005 χ^2/NDF:97.9/57

All: 0.001+/-0.003 χ^2/NDF: 165.4/108

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.343+/-0.005 χ^2/NDF: 3051965.2/27

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.634+/-0.005 χ^2/NDF: 3122547.7/32

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

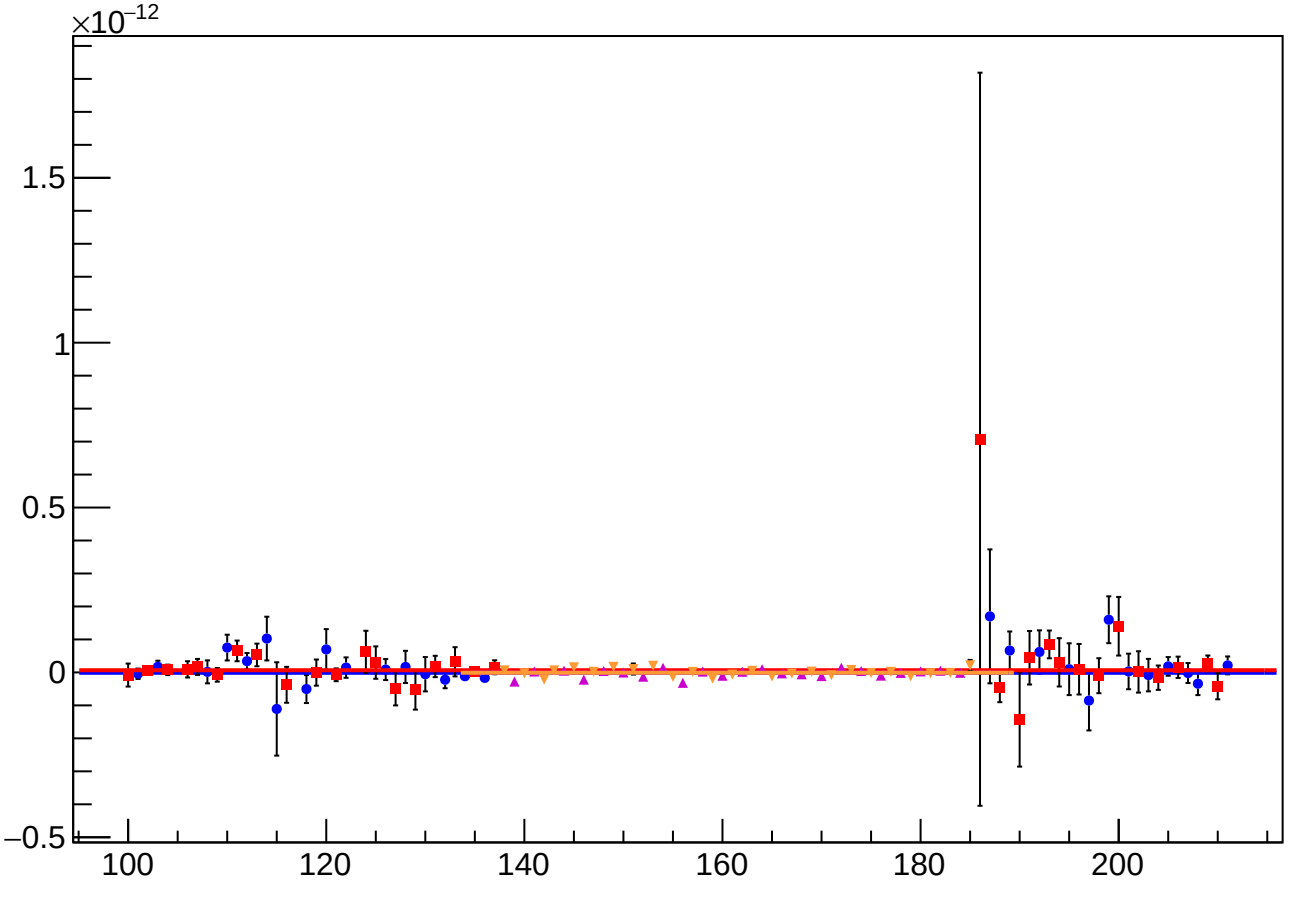
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.493+/-0.003 χ^2/NDF: 6176484.6/60

In: 25.659+/-0.003 χ^2/NDF:6179232.4/50

Out: 25.660+/-0.003 χ^2/NDF:6994154.0/57

All: 25.660+/-0.002 χ^2/NDF: 13173386.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/32

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

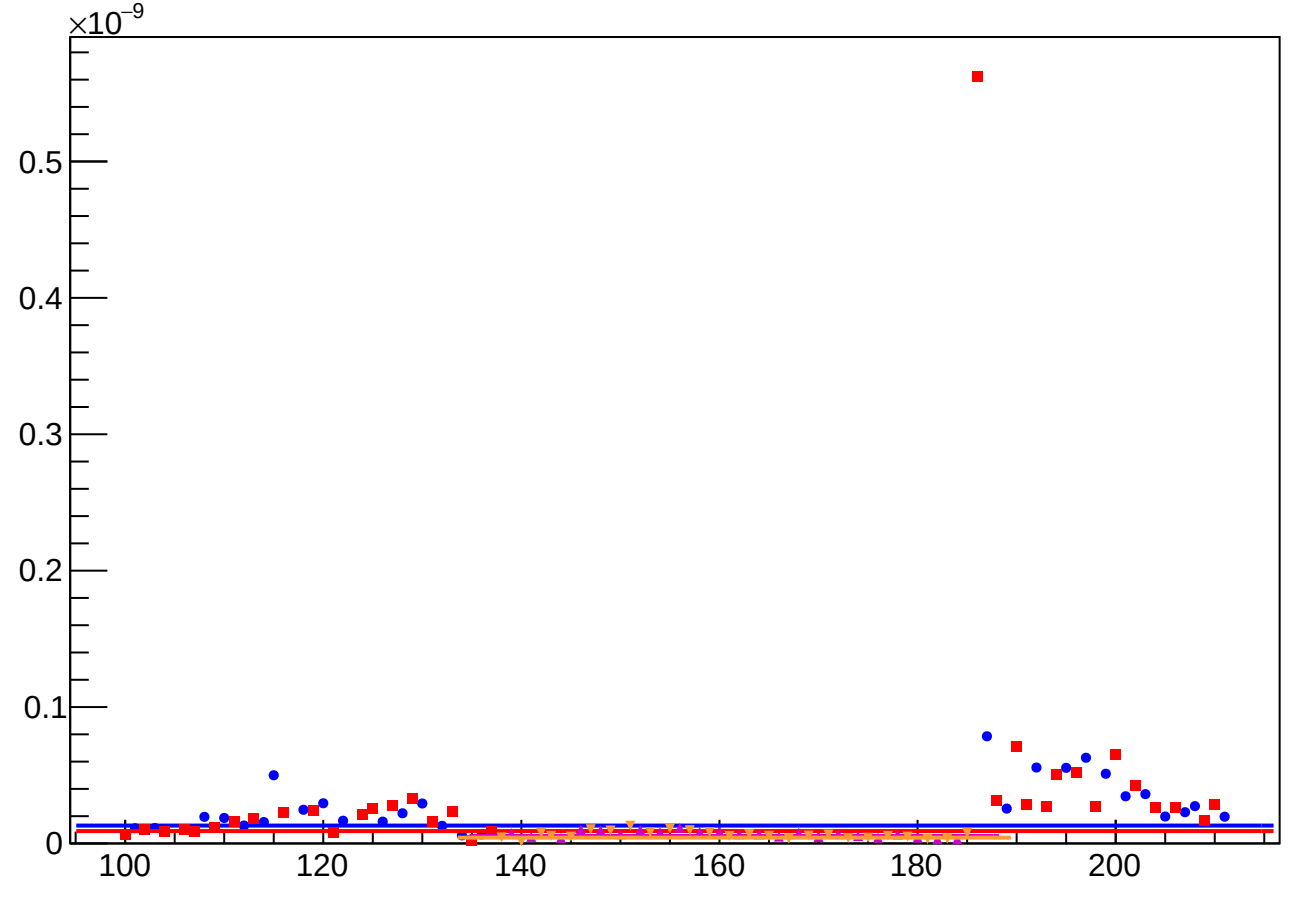
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.0/60

In: -0.000+/-0.000 χ^2/NDF:58.2/50

Out: -0.000+/-0.000 χ^2/NDF:54.9/57

All: -0.000+/-0.000 χ^2/NDF: 113.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 6896547.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11018107.5/32

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

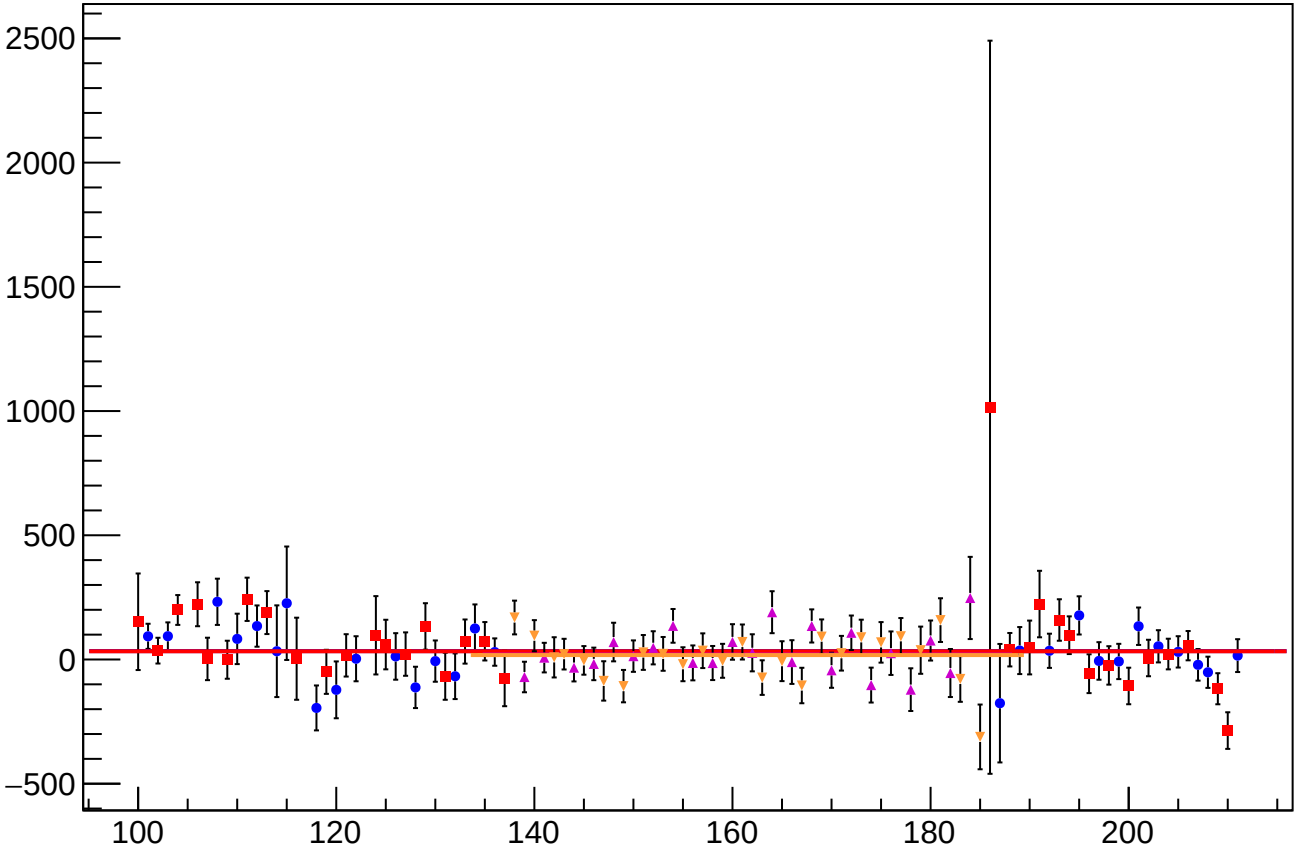
Right: 0.000+/-0.000 χ^2/NDF: 18685158.1/60

In: 0.000+/-0.000 χ^2/NDF:13864859.7/50

Out: 0.000+/-0.000 χ^2/NDF:18906996.4/57

All: 0.000+/-0.000 χ^2/NDF: 33772342.8/108

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.758+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 33.063+/-14.255 χ^2/NDF: 62.7/32

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

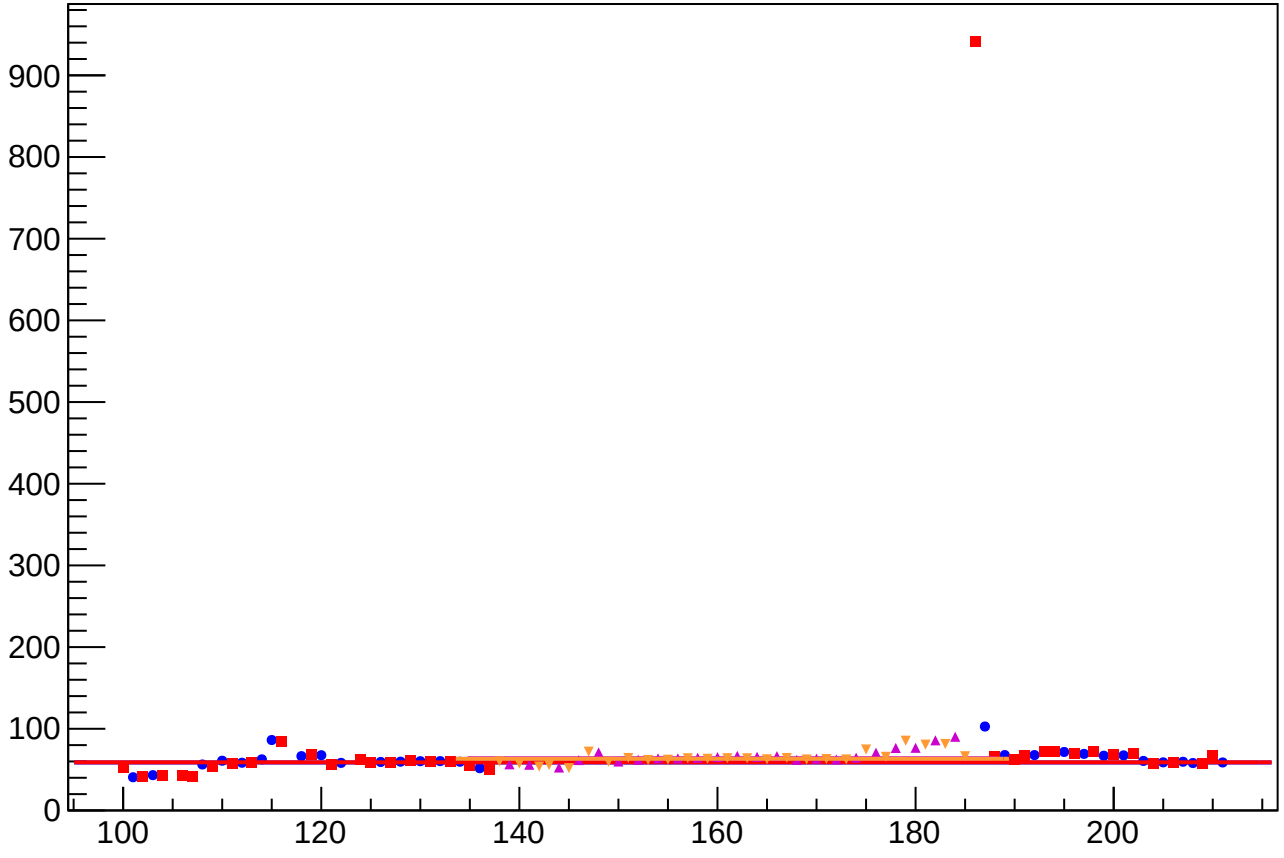
Right: 33.402+/-10.207 χ^2/NDF: 95.5/60

In: 26.899+/-10.484 χ^2/NDF:59.5/50

Out: 25.559+/-10.164 χ^2/NDF:94.8/57

All: 26.209+/-7.297 χ^2/NDF: 154.3/108

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.707+/-0.010 χ^2/NDF: 777050.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.939+/-0.010 χ^2/NDF: 1673991.0/32

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

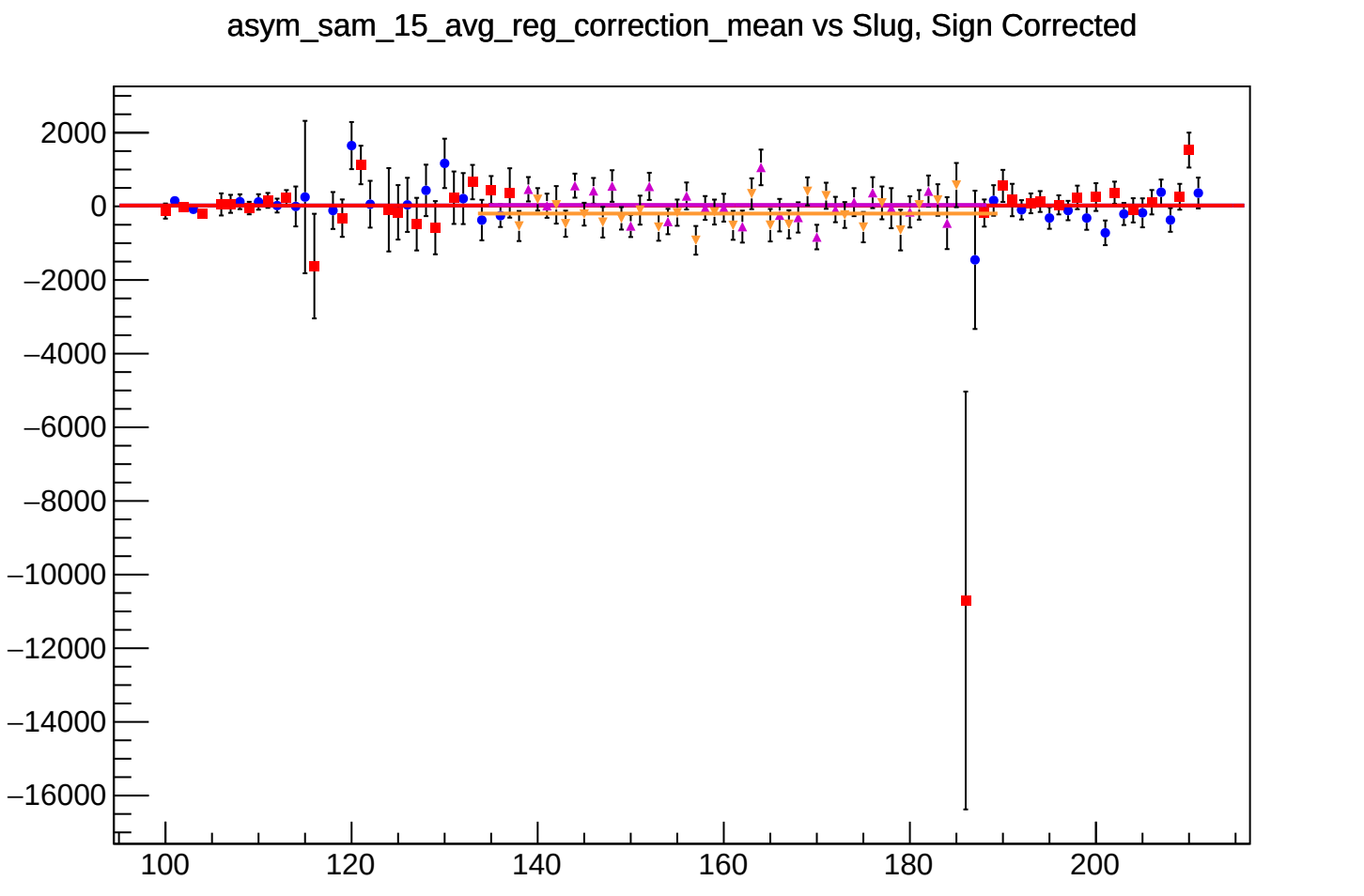
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.825+/-0.007 χ^2/NDF: 2451299.8/60

In: 61.239+/-0.007 χ^2/NDF:1345825.5/50

Out: 61.089+/-0.007 χ^2/NDF:2263994.3/57

All: 61.162+/-0.005 χ^2/NDF: 3610030.4/108



Right In: 22.952+/-41.900 χ^2/NDF: 29.2/27

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 22.734+/-44.146 χ^2/NDF: 37.6/32

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

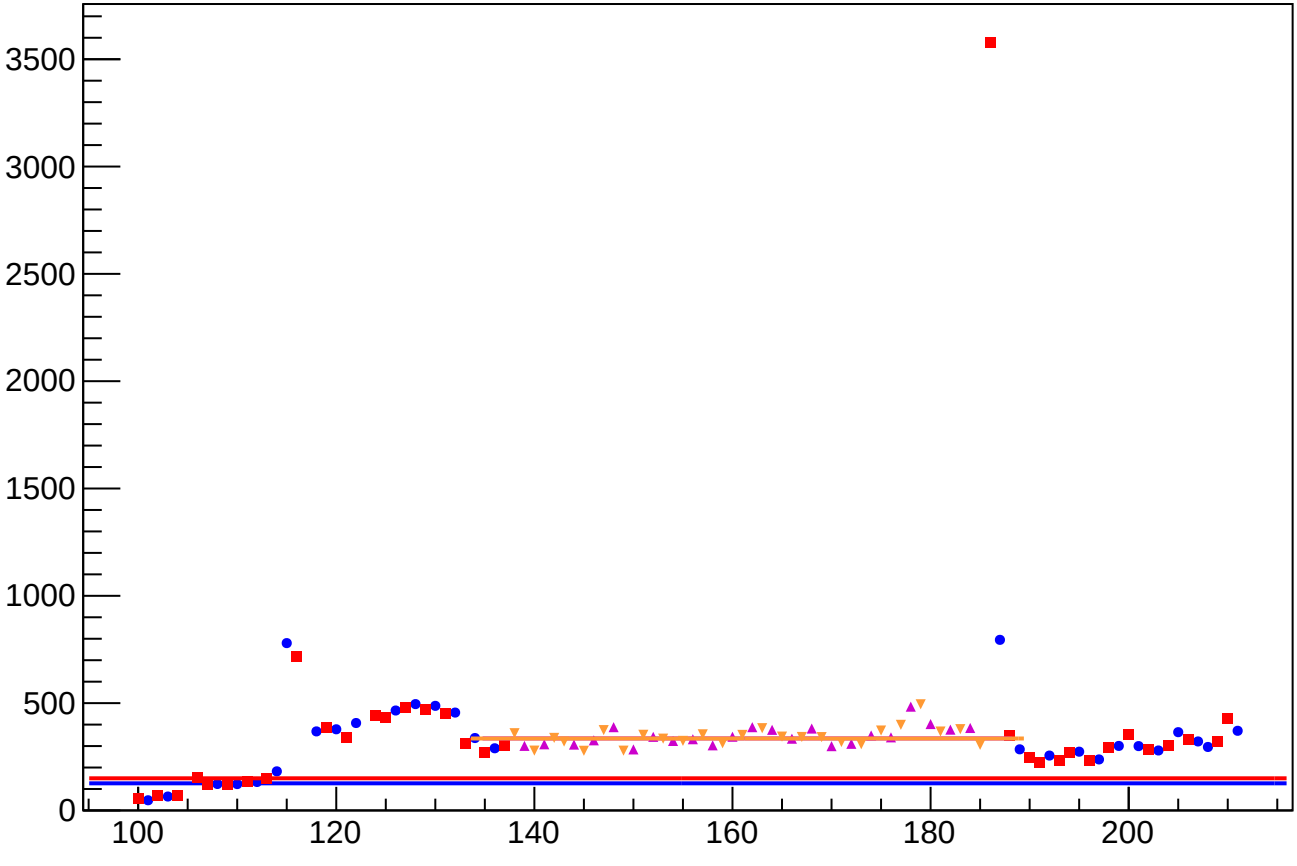
Right: 22.849+/-30.391 χ^2/NDF: 66.8/60

In: 25.896+/-37.037 χ^2/NDF:60.3/50

Out: -31.271+/-38.309 χ^2/NDF:64.3/57

All: -1.723+/-26.628 χ^2/NDF: 125.8/108

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 126.401+/-0.030 χ^2/NDF: 14123543.3/27

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 149.791+/-0.031 χ^2/NDF: 12519051.2/32

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

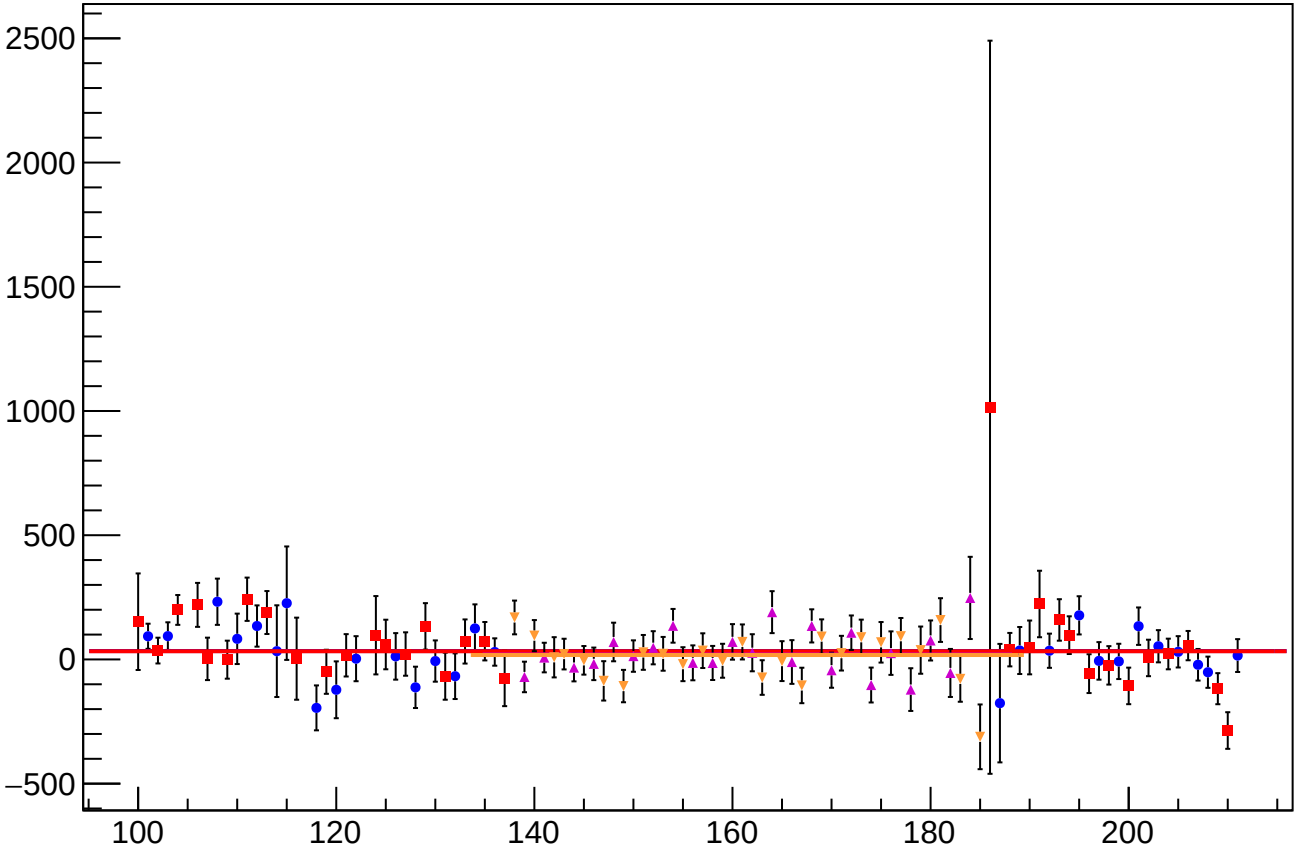
Right: 137.486+/-0.021 χ^2/NDF: 26937970.8/60

In: 172.123+/-0.026 χ^2/NDF:25511493.4/50

Out: 195.597+/-0.027 χ^2/NDF:21801847.2/57

All: 183.464+/-0.019 χ^2/NDF: 47701499.5/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 33.764+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 32.991+/-14.255 χ^2/NDF: 62.6/32

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

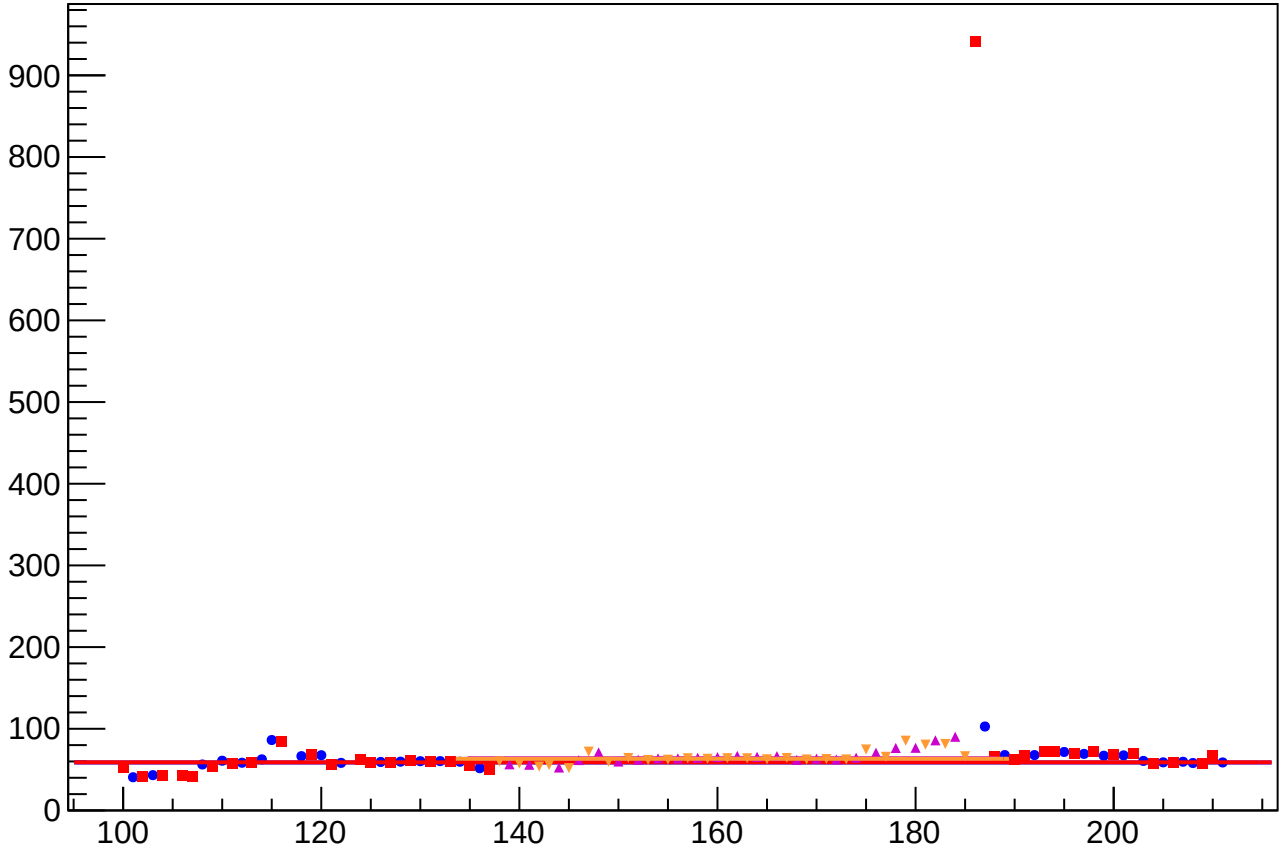
Right: 33.368+/-10.207 χ^2/NDF: 95.4/60

In: 26.902+/-10.484 χ^2/NDF:59.5/50

Out: 25.524+/-10.164 χ^2/NDF:94.7/57

All: 26.192+/-7.297 χ^2/NDF: 154.2/108

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.707+/-0.010 χ^2/NDF: 777049.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.938+/-0.010 χ^2/NDF: 1674410.7/32

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

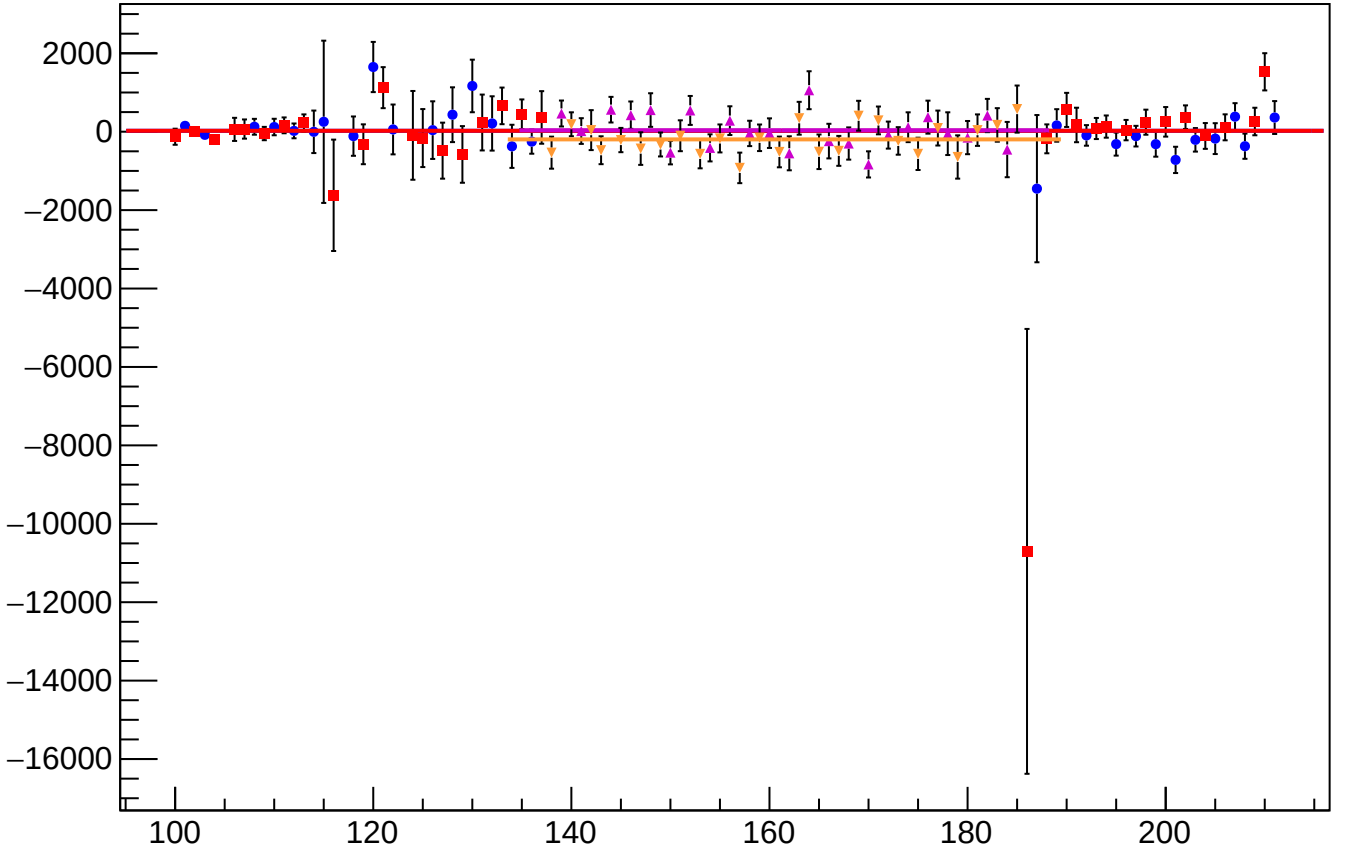
Right: 58.825+/-0.007 χ^2/NDF: 2451716.9/60

In: 61.239+/-0.007 χ^2/NDF:1345824.4/50

Out: 61.089+/-0.007 χ^2/NDF:2264441.3/57

All: 61.161+/-0.005 χ^2/NDF: 3610477.1/108

asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.956+/-41.899 χ^2/NDF: 29.2/27

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 23.010+/-44.117 χ^2/NDF: 37.6/32

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

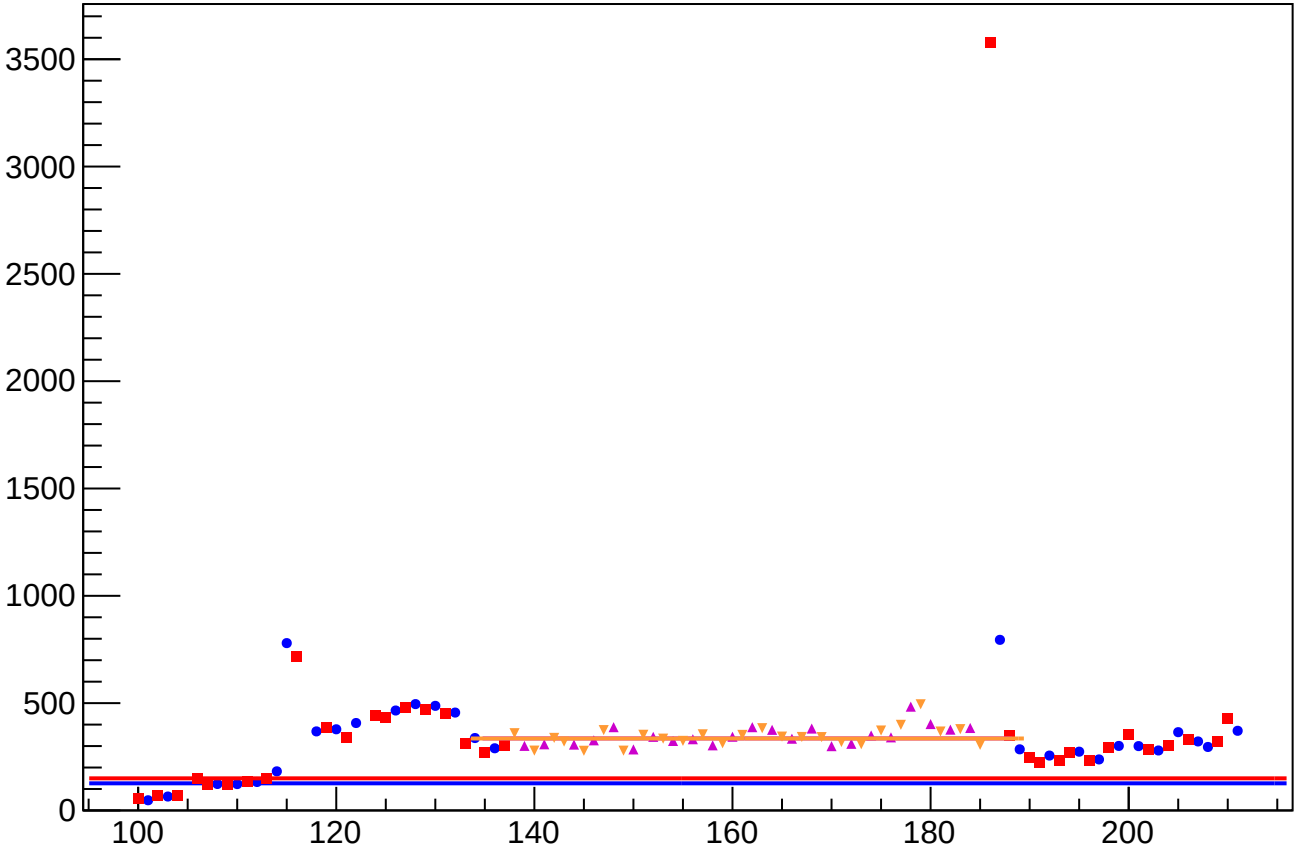
Right: 22.982+/-30.381 χ^2/NDF: 66.8/60

In: 25.899+/-37.037 χ^2/NDF:60.3/50

Out: -31.009+/-38.290 χ^2/NDF:64.3/57

All: -1.609+/-26.621 χ^2/NDF: 125.8/108

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 126.397+/-0.030 χ^2/NDF: 14123864.9/27

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF: 12525072.1/32

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

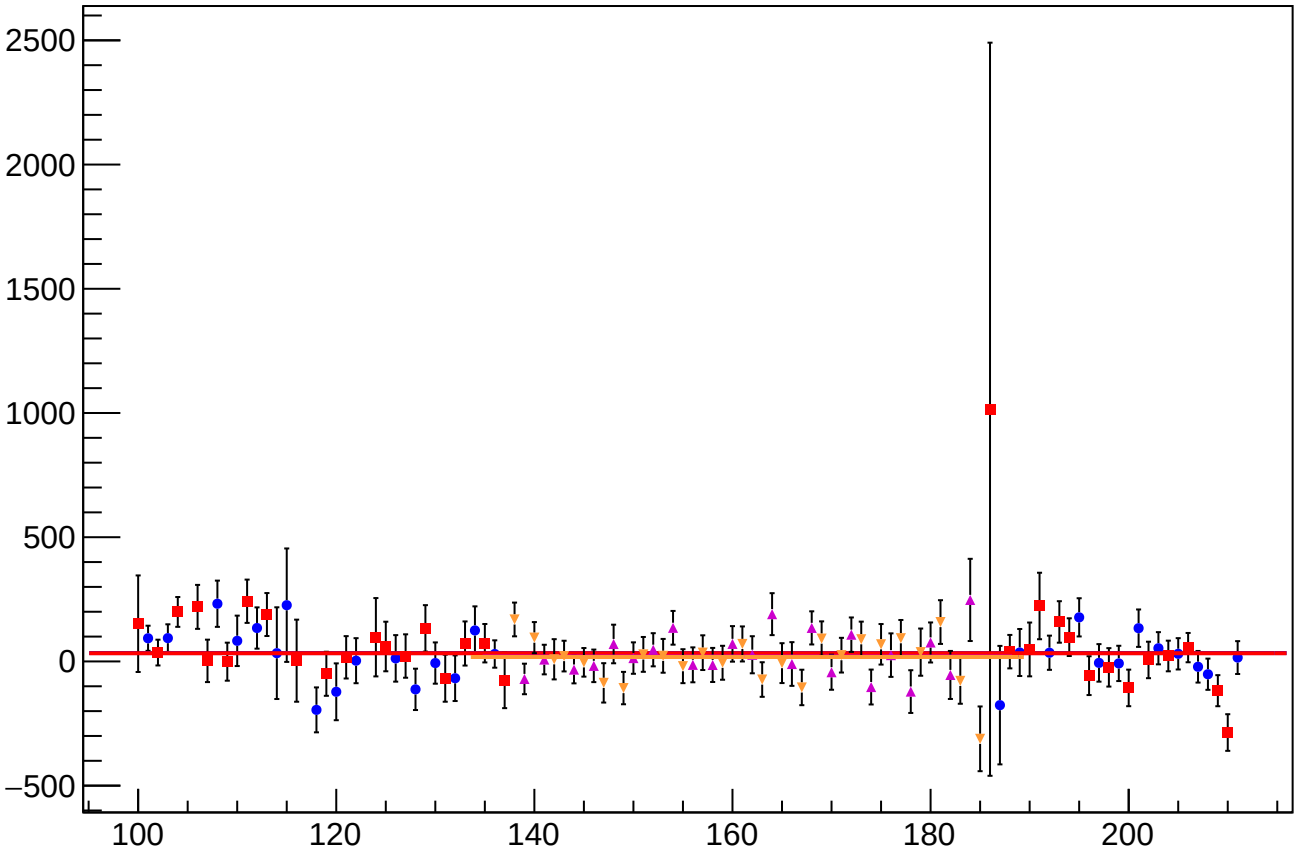
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 137.400+/-0.021 χ^2/NDF: 26939776.8/60

In: 172.119+/-0.026 χ^2/NDF:25512251.0/50

Out: 195.408+/-0.027 χ^2/NDF:21828756.2/57

All: 183.376+/-0.019 χ^2/NDF: 47723244.2/10



Right In: 33.764+/-14.621 χ^2/NDF: 32.8/27

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 32.991+/-14.255 χ^2/NDF: 62.6/32

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

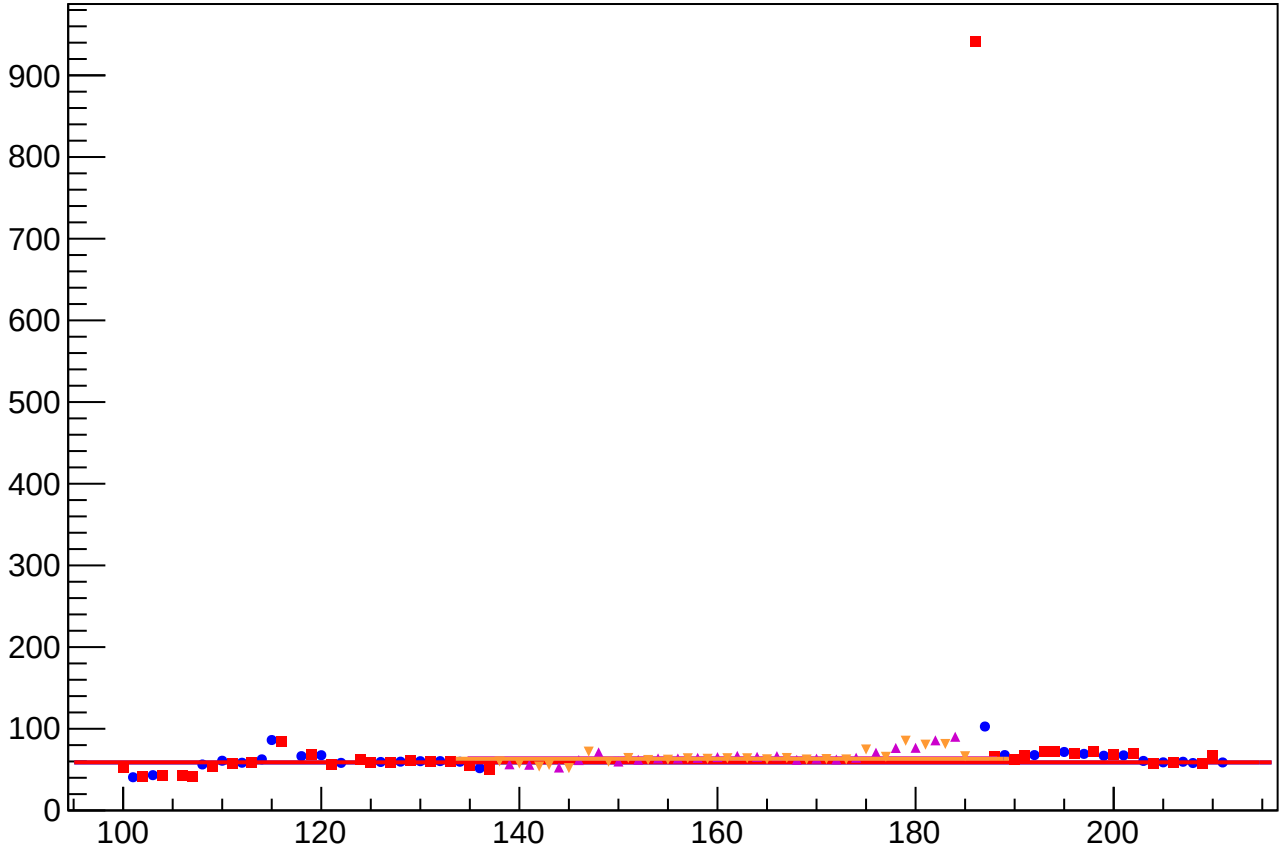
Right: 33.368+/-10.207 χ^2/NDF: 95.4/60

In: 26.902+/-10.484 χ^2/NDF:59.5/50

Out: 25.524+/-10.164 χ^2/NDF:94.7/57

All: 26.192+/-7.297 χ^2/NDF: 154.2/108

eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.707+/-0.010 χ^2/NDF: 777049.6/27

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.938+/-0.010 χ^2/NDF: 1674410.7/32

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

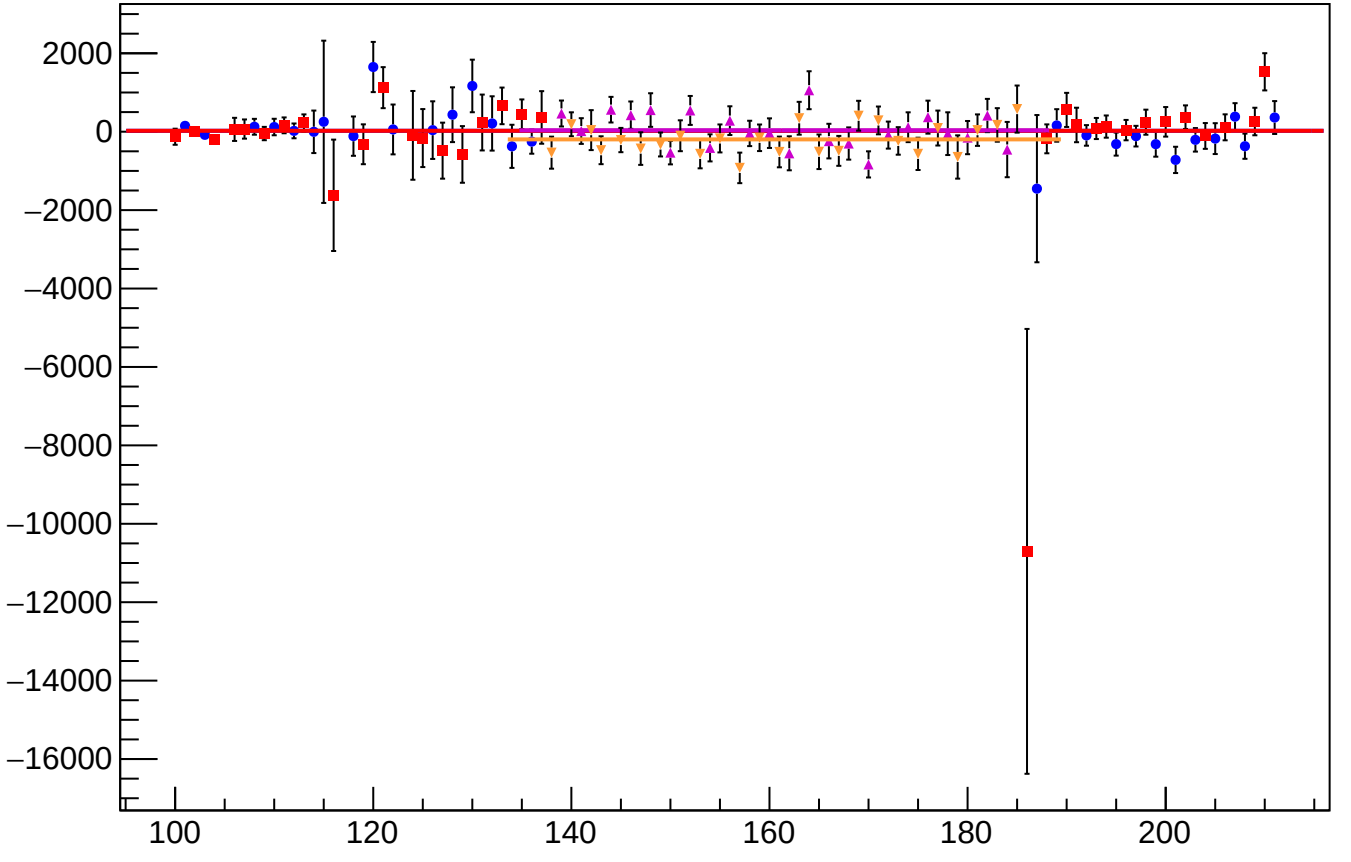
Right: 58.825+/-0.007 χ^2/NDF: 2451716.9/60

In: 61.239+/-0.007 χ^2/NDF:1345824.4/50

Out: 61.089+/-0.007 χ^2/NDF:2264441.3/57

All: 61.161+/-0.005 χ^2/NDF: 3610477.1/108

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.956+/-41.899 χ^2/NDF: 29.2/27

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 23.010+/-44.117 χ^2/NDF: 37.6/32

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

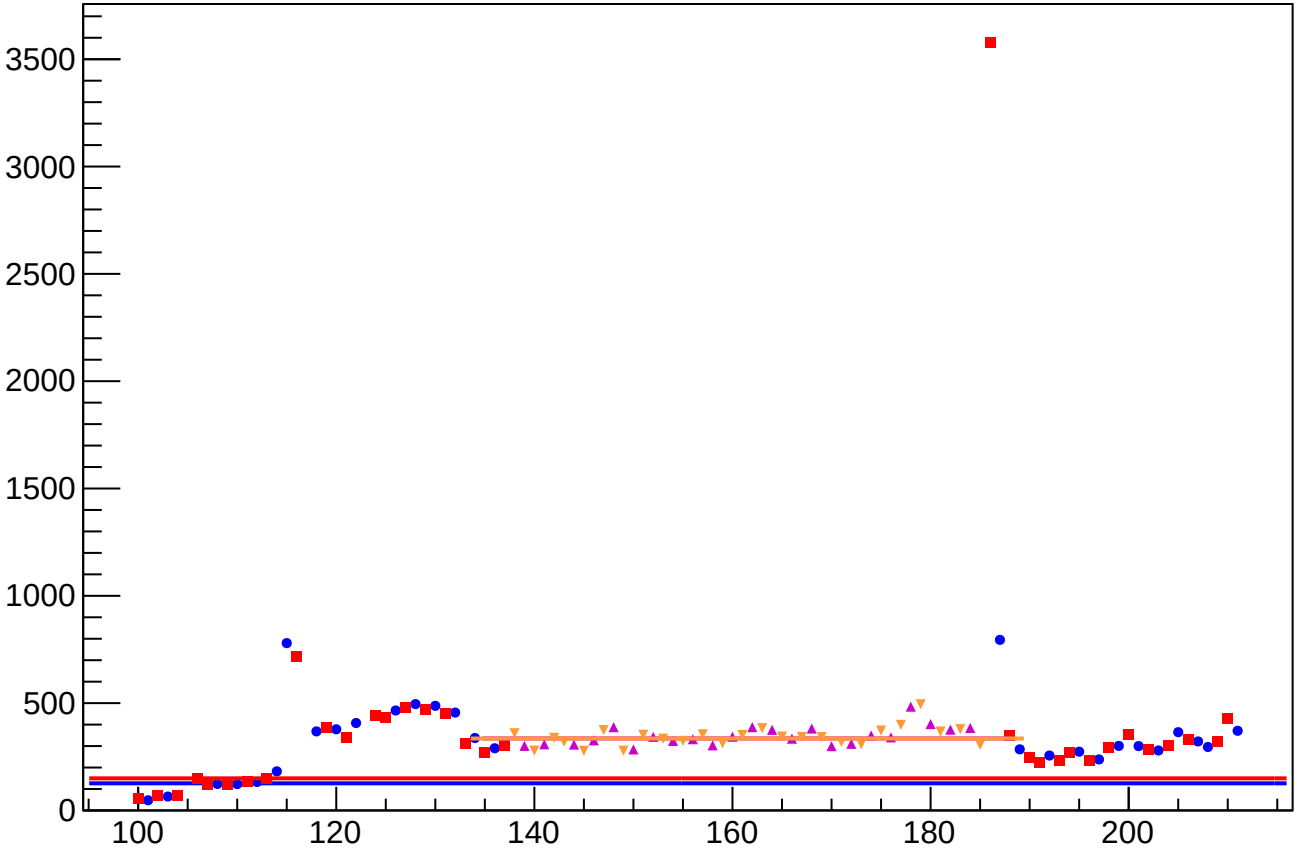
Right: 22.982+/-30.381 χ^2/NDF: 66.8/60

In: 25.899+/-37.037 χ^2/NDF:60.3/50

Out: -31.009+/-38.290 χ^2/NDF:64.3/57

All: -1.609+/-26.621 χ^2/NDF: 125.8/108

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 126.397+/-0.030 χ^2/NDF: 14123864.9/27

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 149.599+/-0.031 χ^2/NDF: 12525072.1/32

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

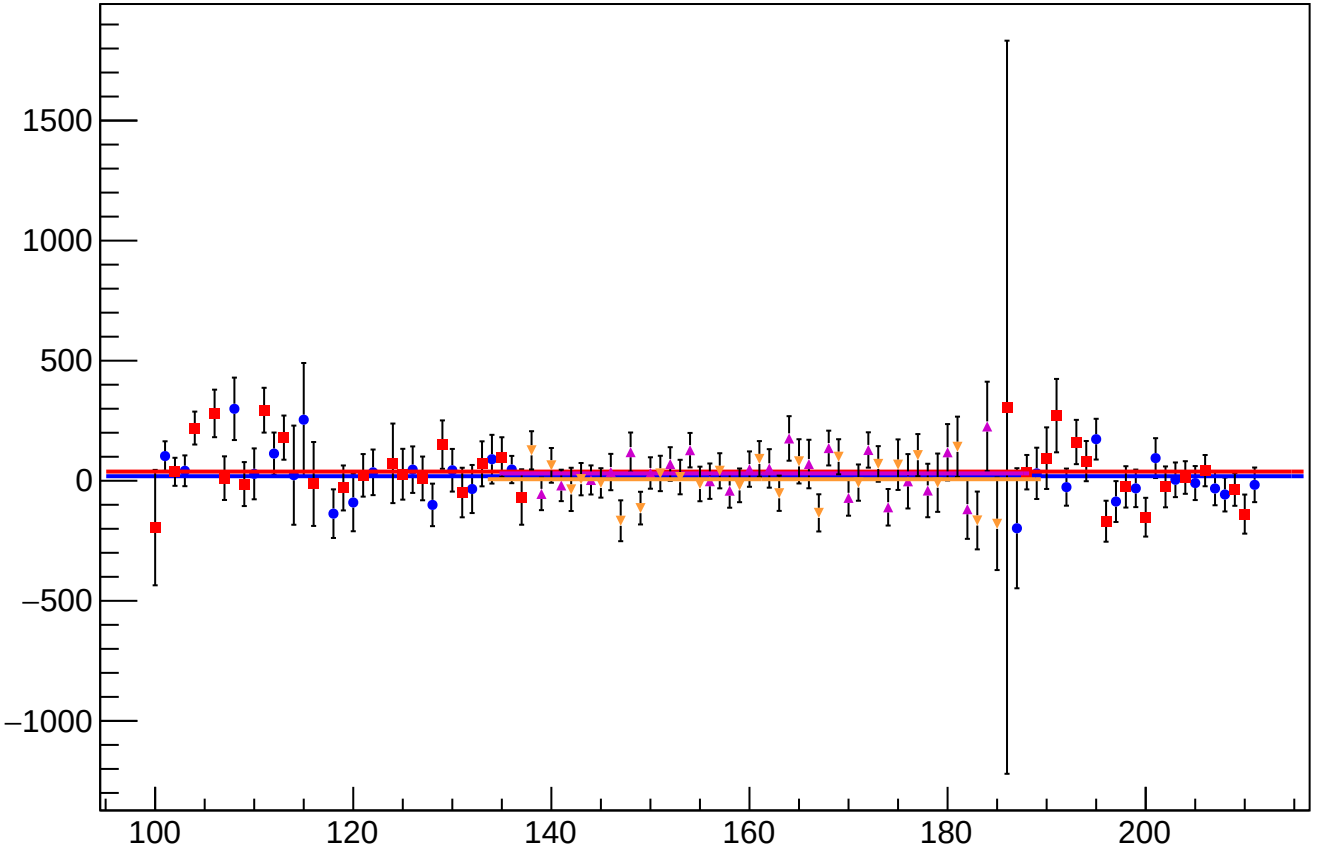
Right: 137.400+/-0.021 χ^2/NDF: 26939776.8/60

In: 172.119+/-0.026 χ^2/NDF:25512251.0/50

Out: 195.408+/-0.027 χ^2/NDF:21828756.2/57

All: 183.376+/-0.019 χ^2/NDF: 47723244.2/10

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 18.915+/-16.182 χ^2/NDF: 24.4/27

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 38.203+/-15.635 χ^2/NDF: 51.6/32

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

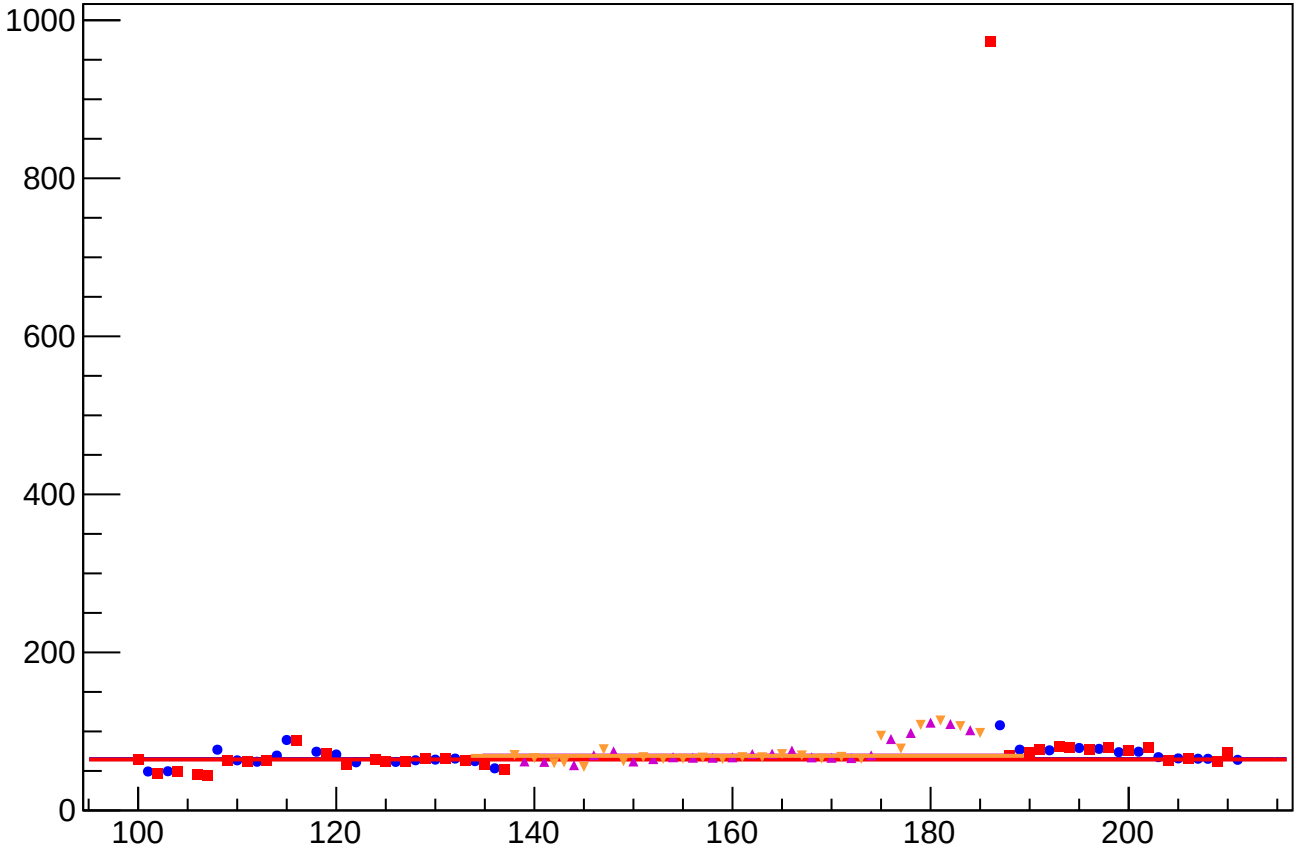
Right: 28.890+/-11.244 χ^2/NDF: 76.7/60

In: 24.673+/-11.554 χ^2/NDF:47.1/50

Out: 22.679+/-11.175 χ^2/NDF:78.7/57

All: 23.643+/-8.033 χ^2/NDF: 125.8/108

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.978+/-0.011 χ^2/NDF: 681685.6/27

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.527+/-0.011 χ^2/NDF: 1663548.3/32

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

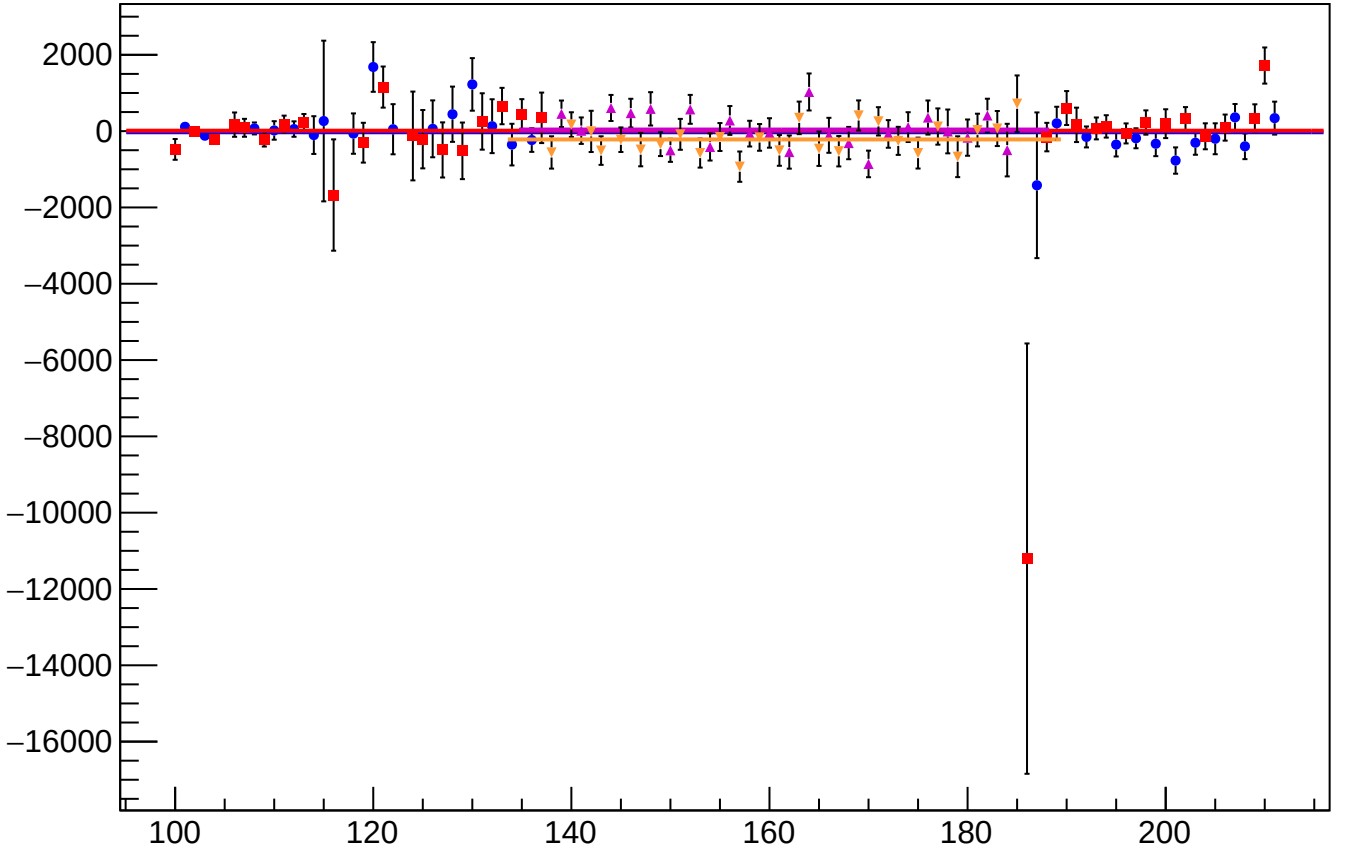
Right: 64.745+/-0.008 χ^2/NDF: 2346036.5/60

In: 67.163+/-0.008 χ^2/NDF:1680709.8/50

Out: 66.754+/-0.008 χ^2/NDF:2820451.9/57

All: 66.952+/-0.006 χ^2/NDF: 4502461.1/108

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -29.140+/-47.226 χ^2/NDF: 27.6/27

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 11.547+/-46.364 χ^2/NDF: 44.6/32

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

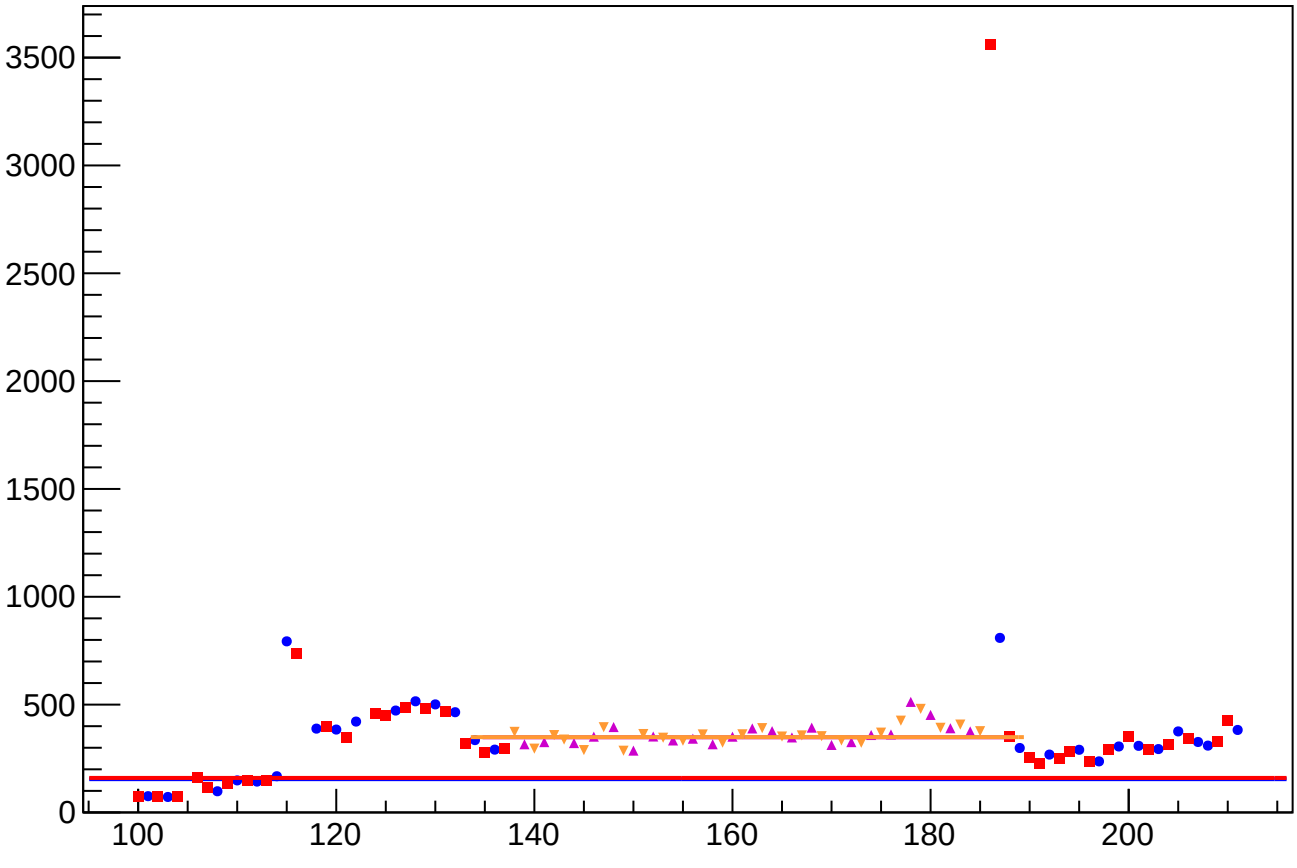
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -8.422+/-33.085 χ^2/NDF: 72.6/60

In: -11.625+/-40.956 χ^2/NDF:58.1/50

Out: -45.861+/-40.131 χ^2/NDF:70.1/57

All: -29.091+/-28.664 χ^2/NDF: 128.5/108



Right In: 154.439+/-0.033 χ^2/NDF: 11489177.9/27

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 160.087+/-0.033 χ^2/NDF: 11856737.3/32

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

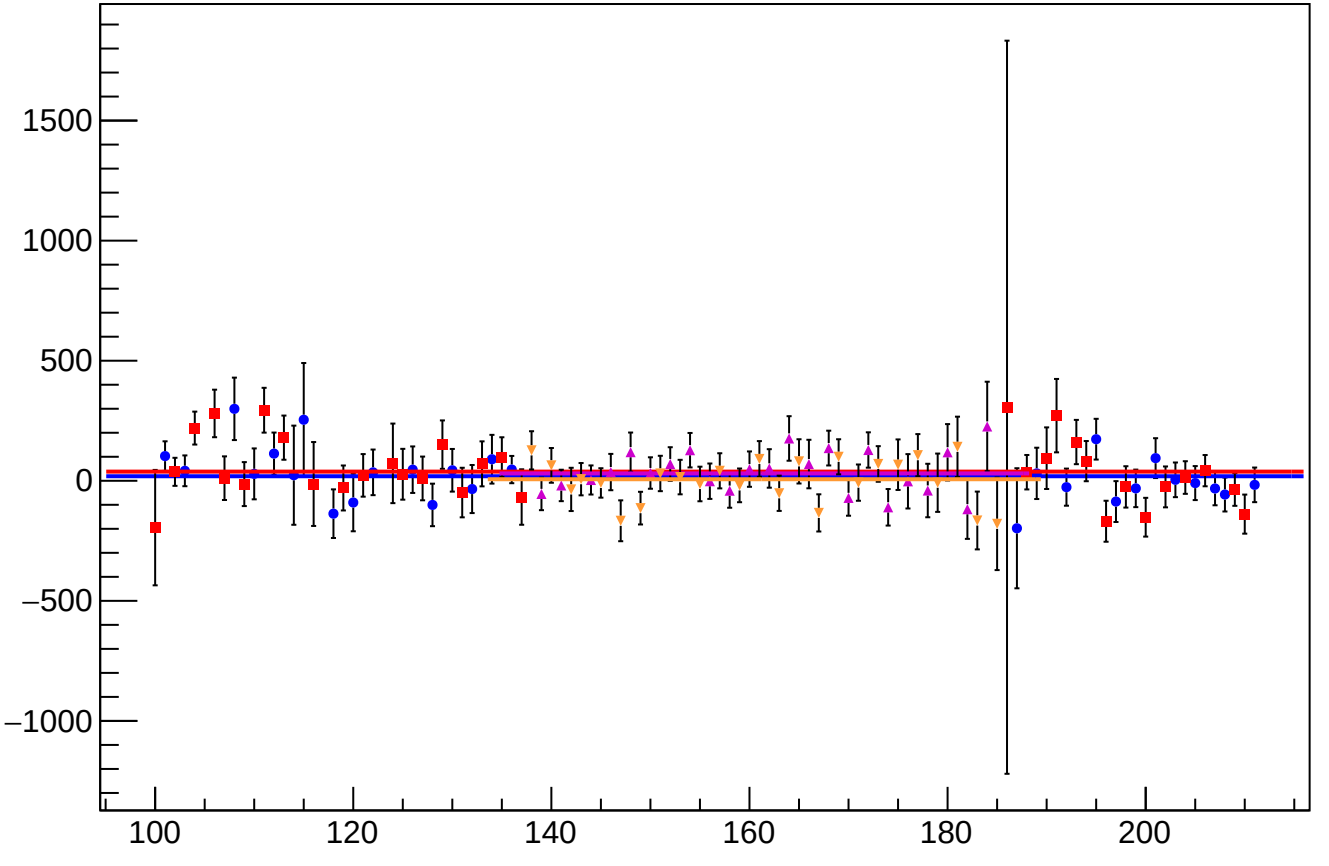
Right: 157.315+/-0.023 χ^2/NDF: 23360484.4/60

In: 202.563+/-0.029 χ^2/NDF:20392295.3/50

Out: 207.512+/-0.028 χ^2/NDF:20724044.4/57

All: 205.088+/-0.020 χ^2/NDF: 41131234.5/10

eigen_dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 18.915+/-16.182 χ^2/NDF: 24.4/27

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 38.203+/-15.635 χ^2/NDF: 51.6/32

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

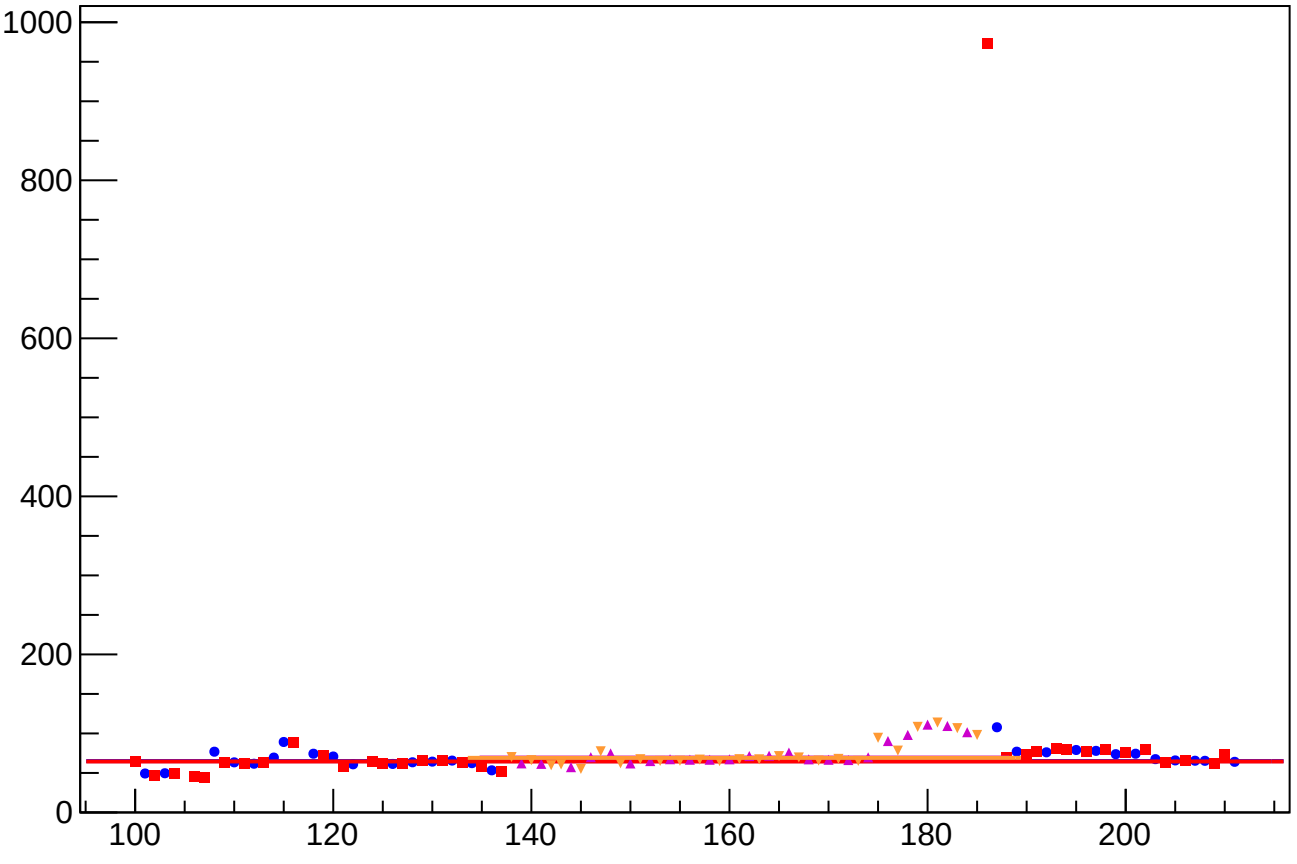
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 28.890+/-11.244 χ^2/NDF: 76.7/60

In: 24.673+/-11.554 χ^2/NDF:47.1/50

Out: 22.680+/-11.175 χ^2/NDF:78.7/57

All: 23.643+/-8.033 χ^2/NDF: 125.8/108



Right In: 64.978+/-0.011 χ^2/NDF: 681685.5/27

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.527+/-0.011 χ^2/NDF: 1663547.2/32

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

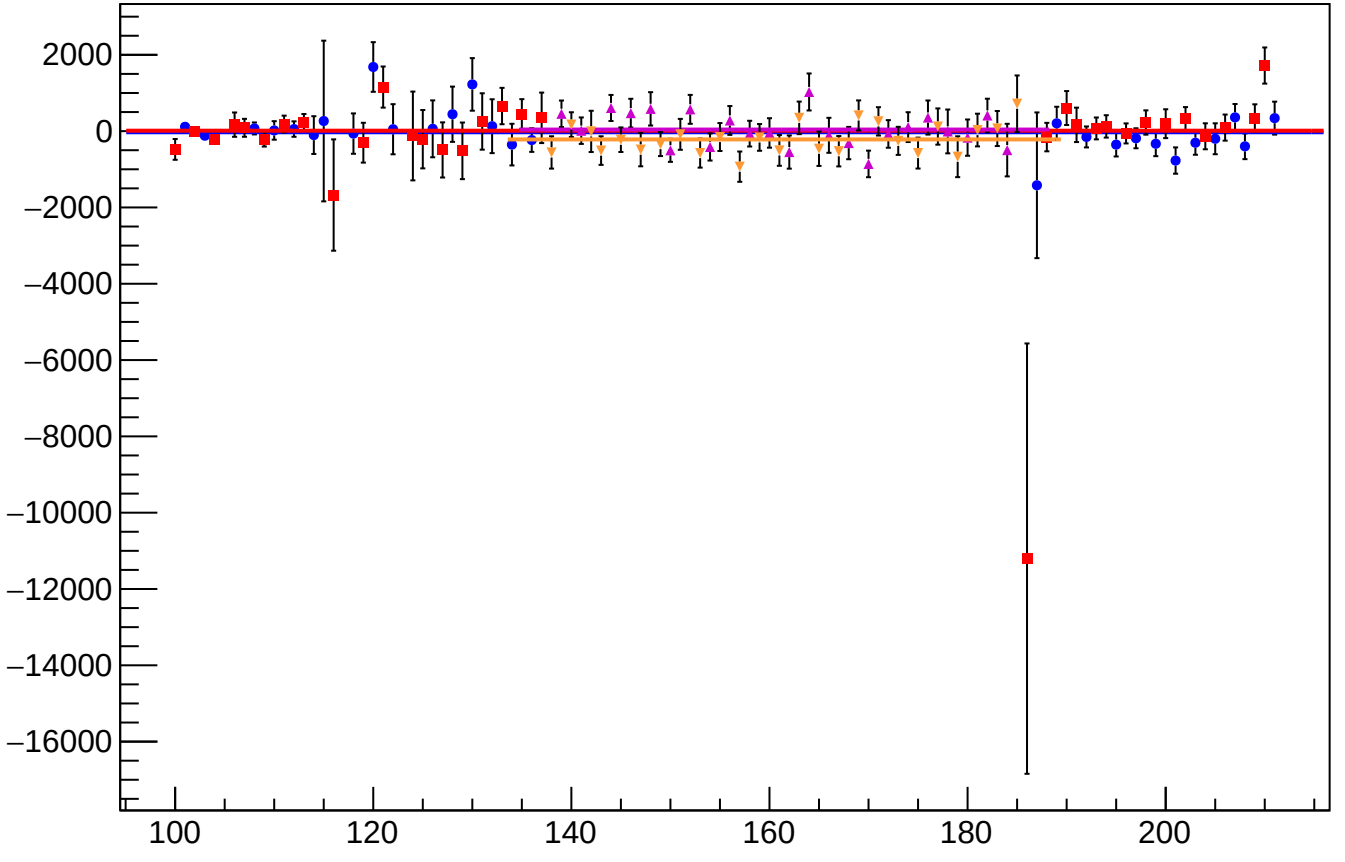
Right: 64.745+/-0.008 χ^2/NDF: 2346035.3/60

In: 67.163+/-0.008 χ^2/NDF:1680701.1/50

Out: 66.754+/-0.008 χ^2/NDF:2820439.2/57

All: 66.952+/-0.006 χ^2/NDF: 4502440.0/108

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -29.140+/-47.226 χ^2/NDF: 27.6/27

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 11.547+/-46.364 χ^2/NDF: 44.6/32

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

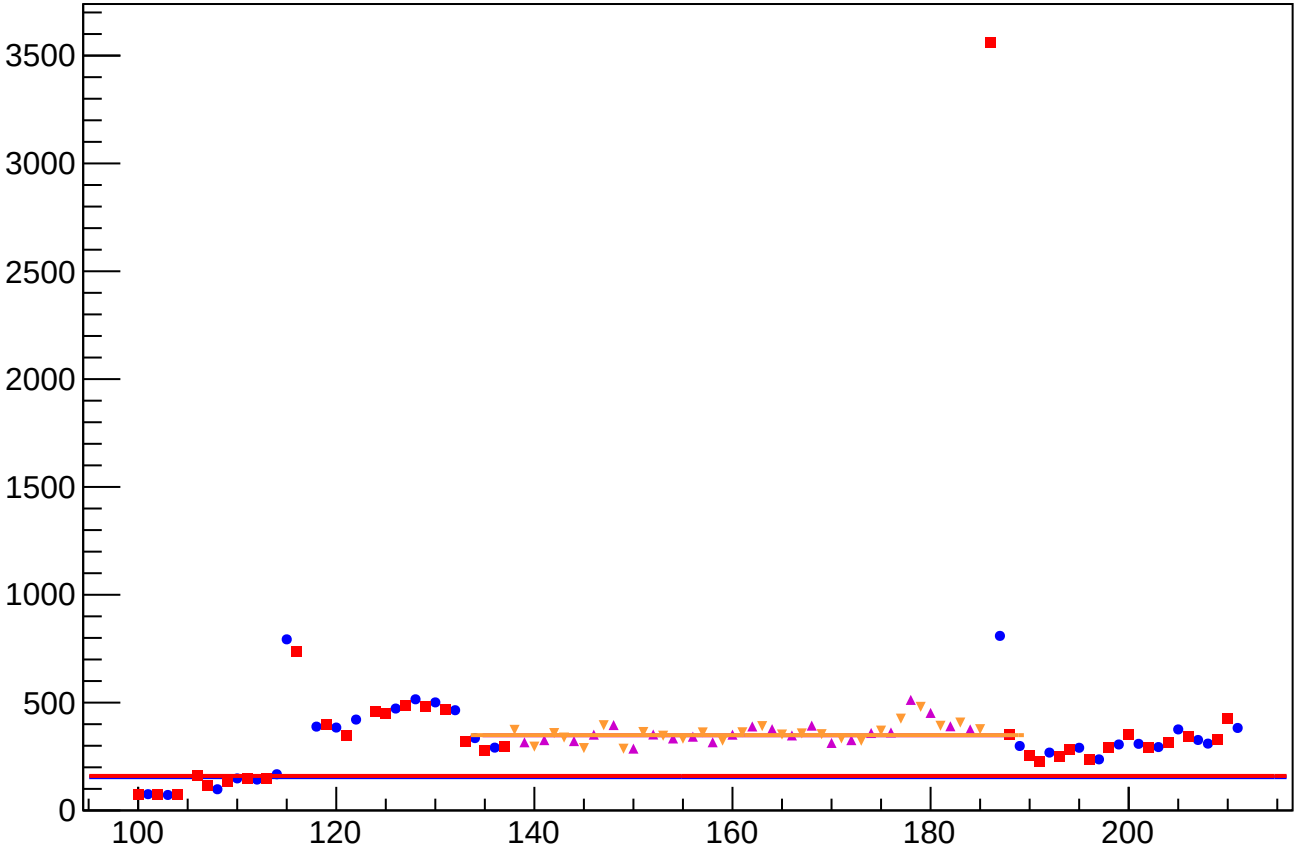
Right: -8.422+/-33.085 χ^2/NDF: 72.6/60

In: -11.625+/-40.956 χ^2/NDF:58.1/50

Out: -45.861+/-40.131 χ^2/NDF:70.1/57

All: -29.091+/-28.664 χ^2/NDF: 128.5/108

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 154.439+/-0.033 χ^2/NDF: 11489192.8/27

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 160.087+/-0.033 χ^2/NDF: 11856782.3/32

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

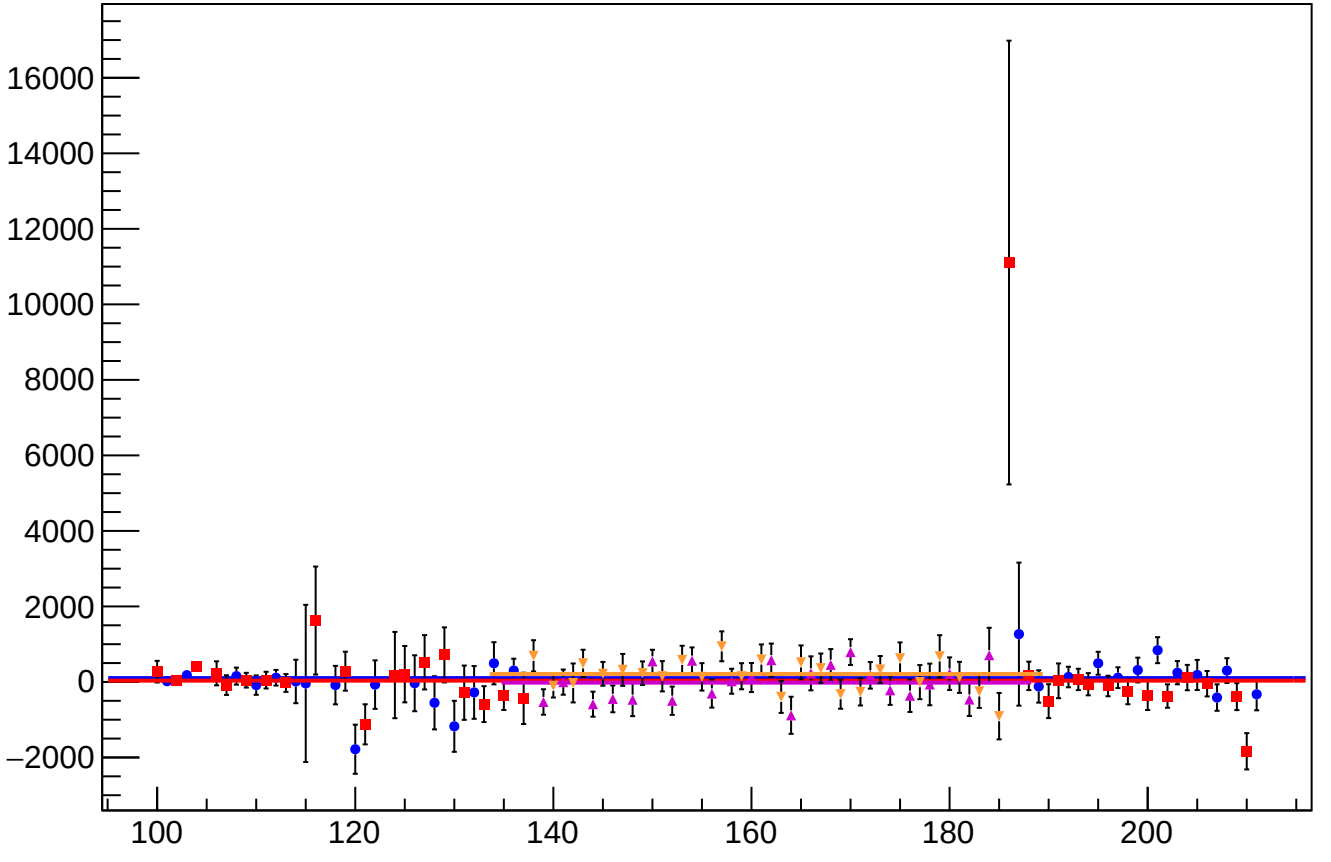
Right: 157.315+/-0.023 χ^2/NDF: 23360543.7/60

In: 202.563+/-0.029 χ^2/NDF:20392368.0/50

Out: 207.511+/-0.028 χ^2/NDF:20724156.9/57

All: 205.087+/-0.020 χ^2/NDF: 41131419.1/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 101.021+/-50.866 χ^2/NDF: 27.3/27

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 34.895+/-49.474 χ^2/NDF: 49.1/32

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

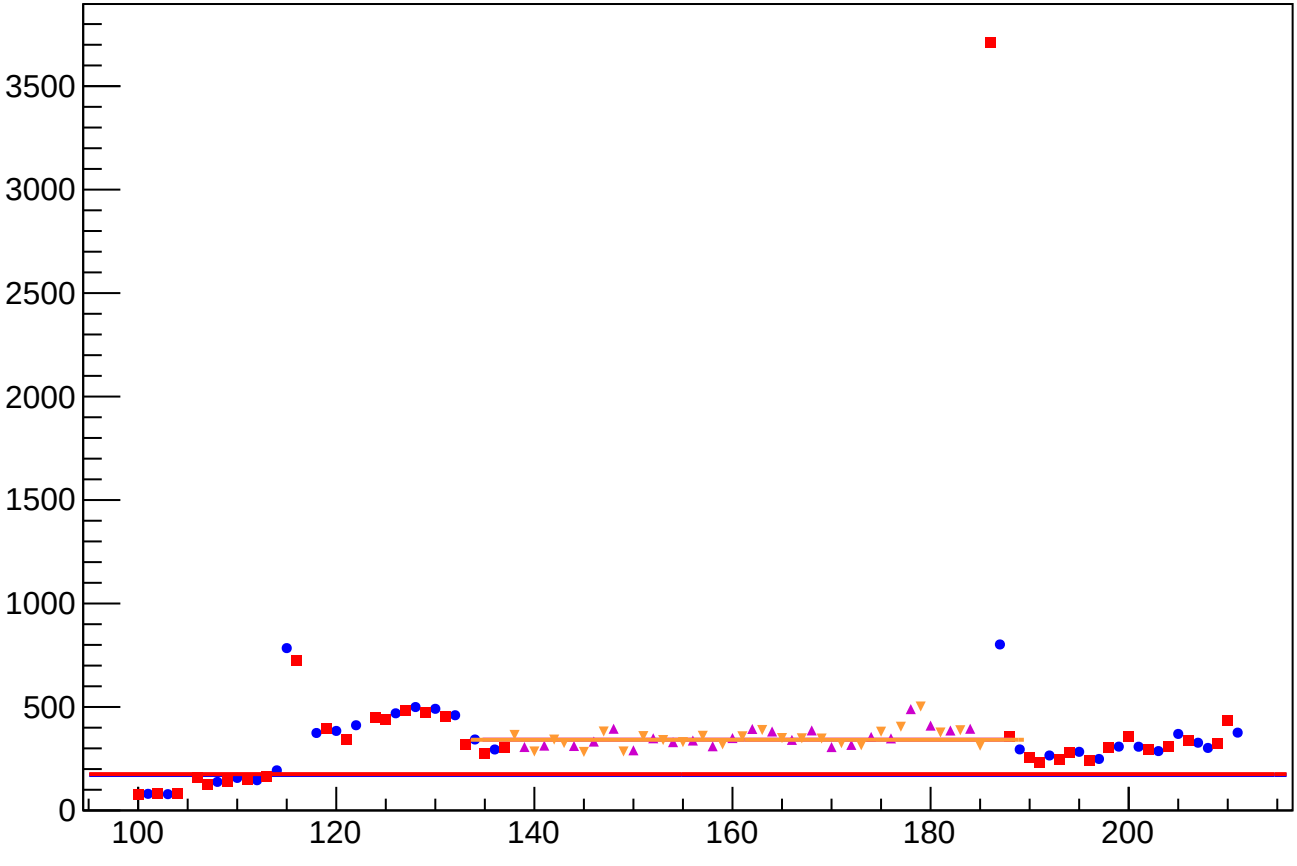
Right: 67.041+/-35.465 χ^2/NDF: 77.3/60

In: 66.970+/-43.031 χ^2/NDF:60.9/50

Out: 84.613+/-41.856 χ^2/NDF:74.1/57

All: 76.035+/-30.004 χ^2/NDF: 135.0/108

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 171.263+/-0.036 χ^2/NDF: 10066182.9/27

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 175.619+/-0.035 χ^2/NDF: 10420918.8/32

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

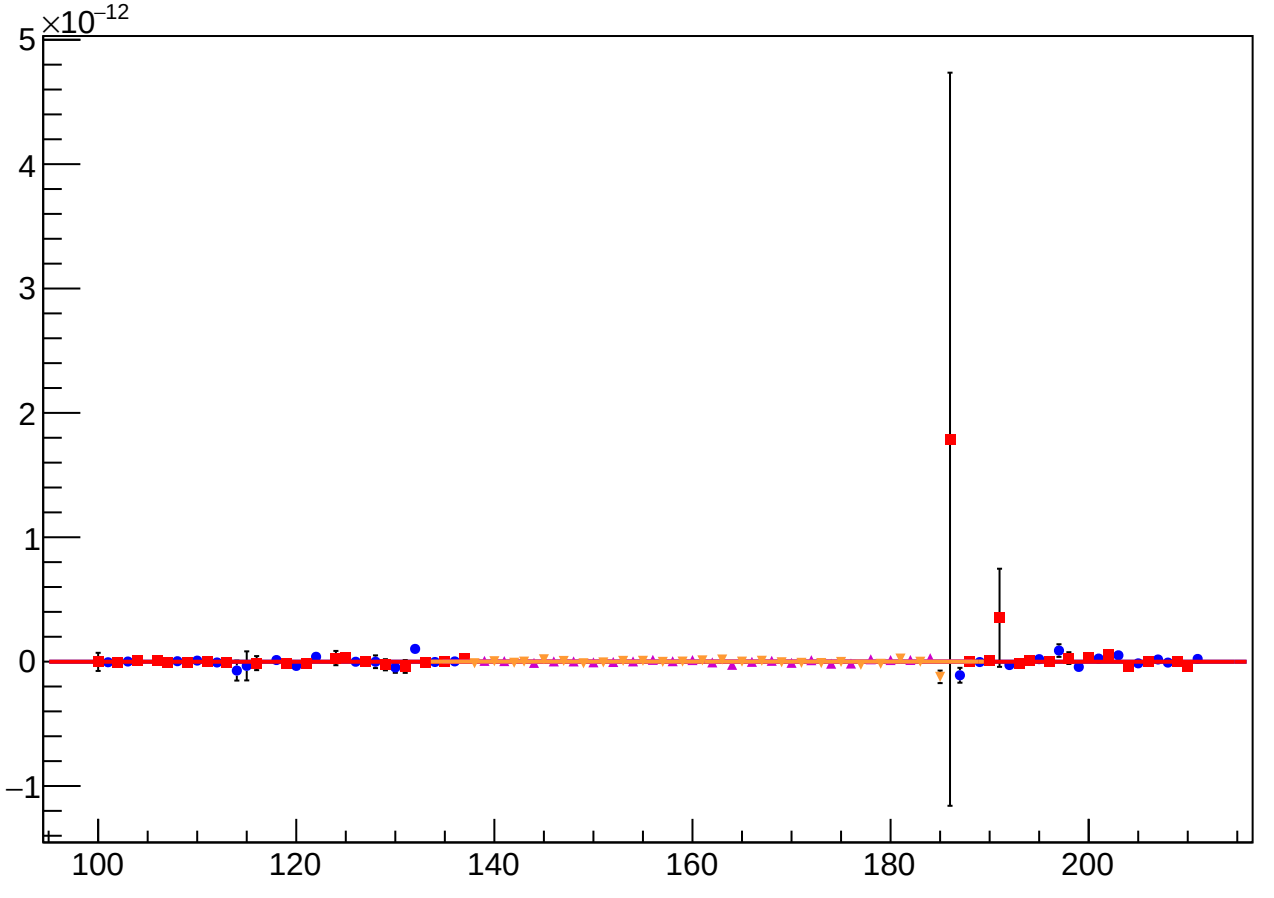
Right: 173.502+/-0.025 χ^2/NDF: 20494638.2/60

In: 219.793+/-0.030 χ^2/NDF:16954409.4/50

Out: 222.790+/-0.030 χ^2/NDF:17372229.1/57

All: 221.333+/-0.021 χ^2/NDF: 34331624.0/10

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/32

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

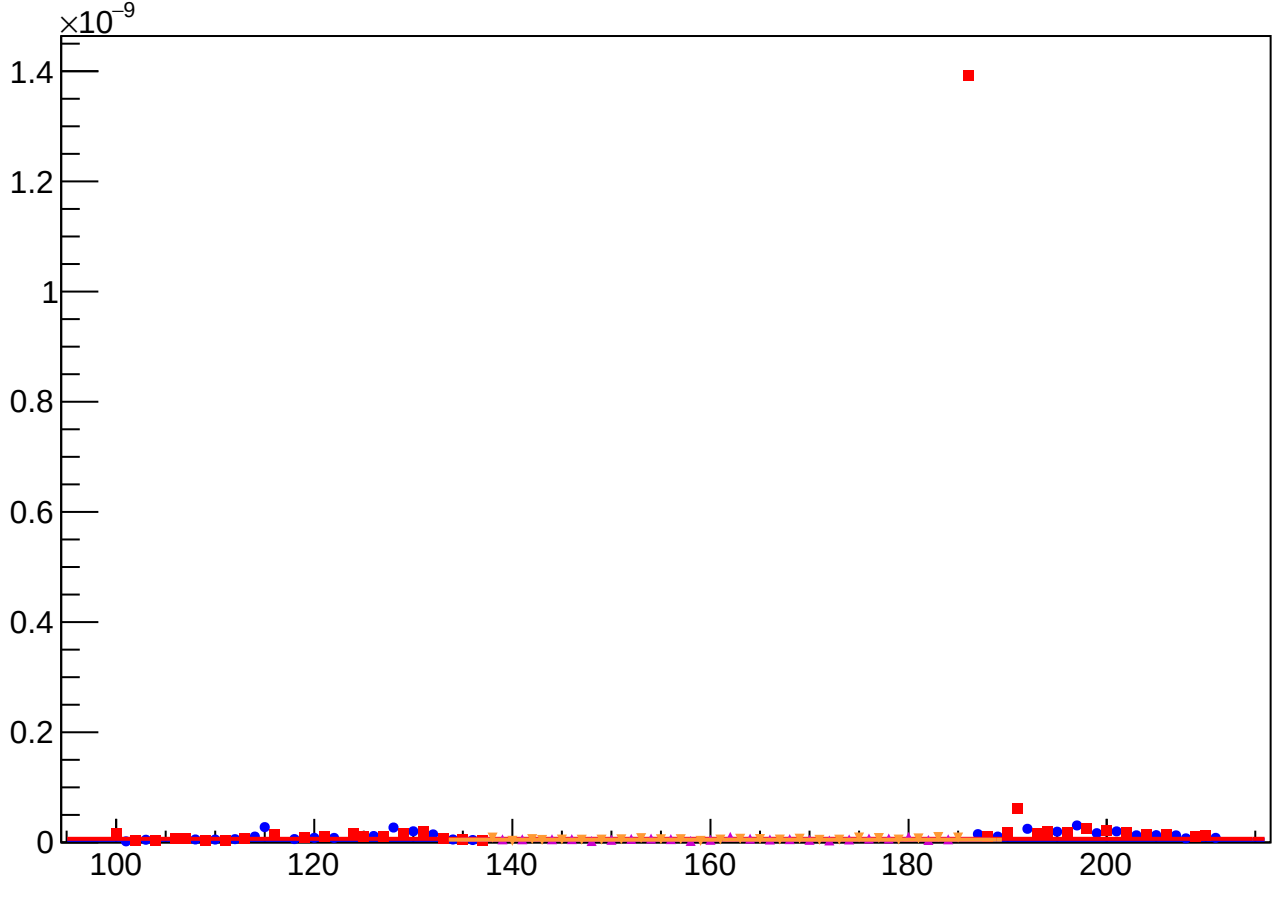
Right: -0.000+/-0.000 χ^2/NDF: 62.2/60

In: 0.000+/-0.000 χ^2/NDF:58.4/50

Out: -0.000+/-0.000 χ^2/NDF:53.3/57

All: 0.000+/-0.000 χ^2/NDF: 111.8/108

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6202142.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225046.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

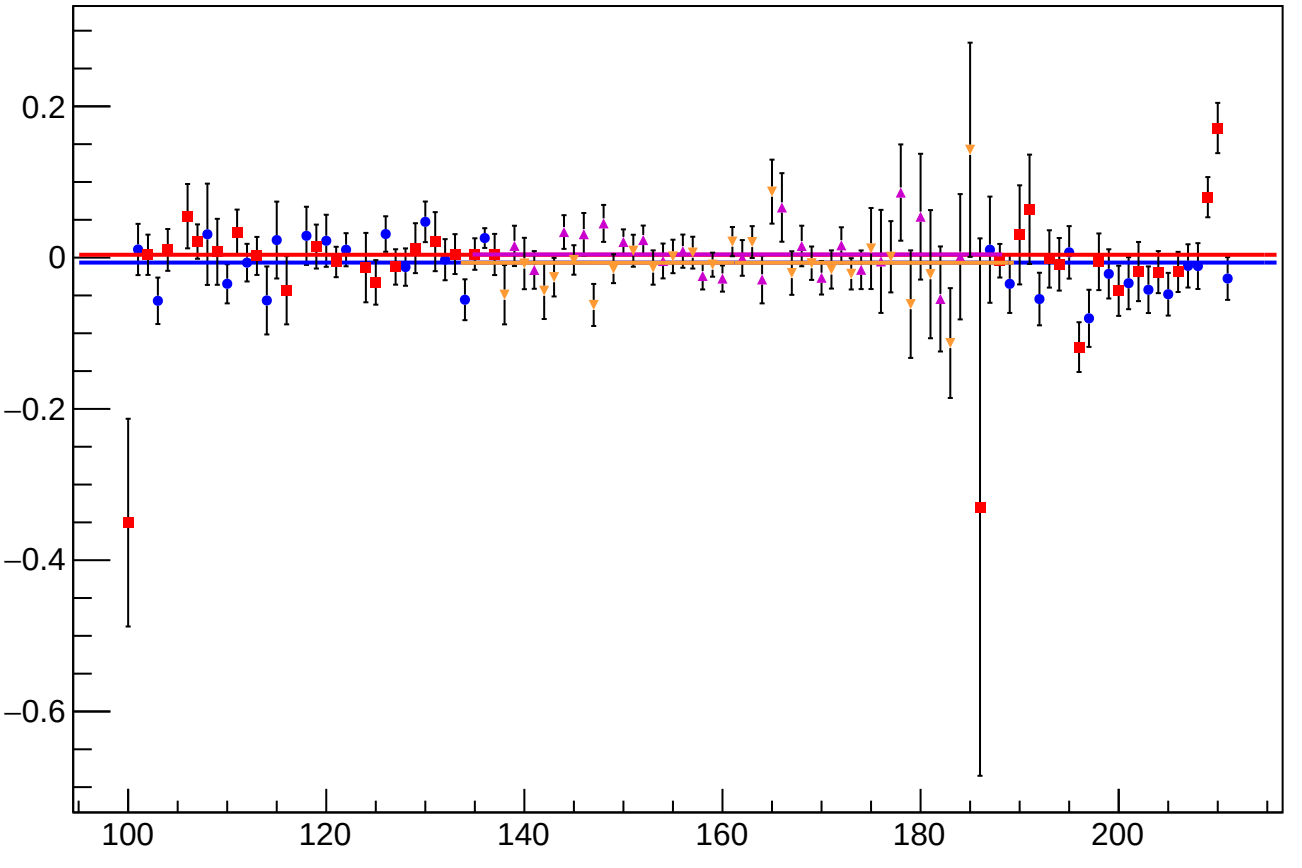
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11892985.2/60

In: 0.000+/-0.000 χ^2/NDF:7435043.0/50

Out: 0.000+/-0.000 χ^2/NDF:6909605.1/57

All: 0.000+/-0.000 χ^2/NDF: 14503235.6/108



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.005 χ^2/NDF: 66.9/32

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

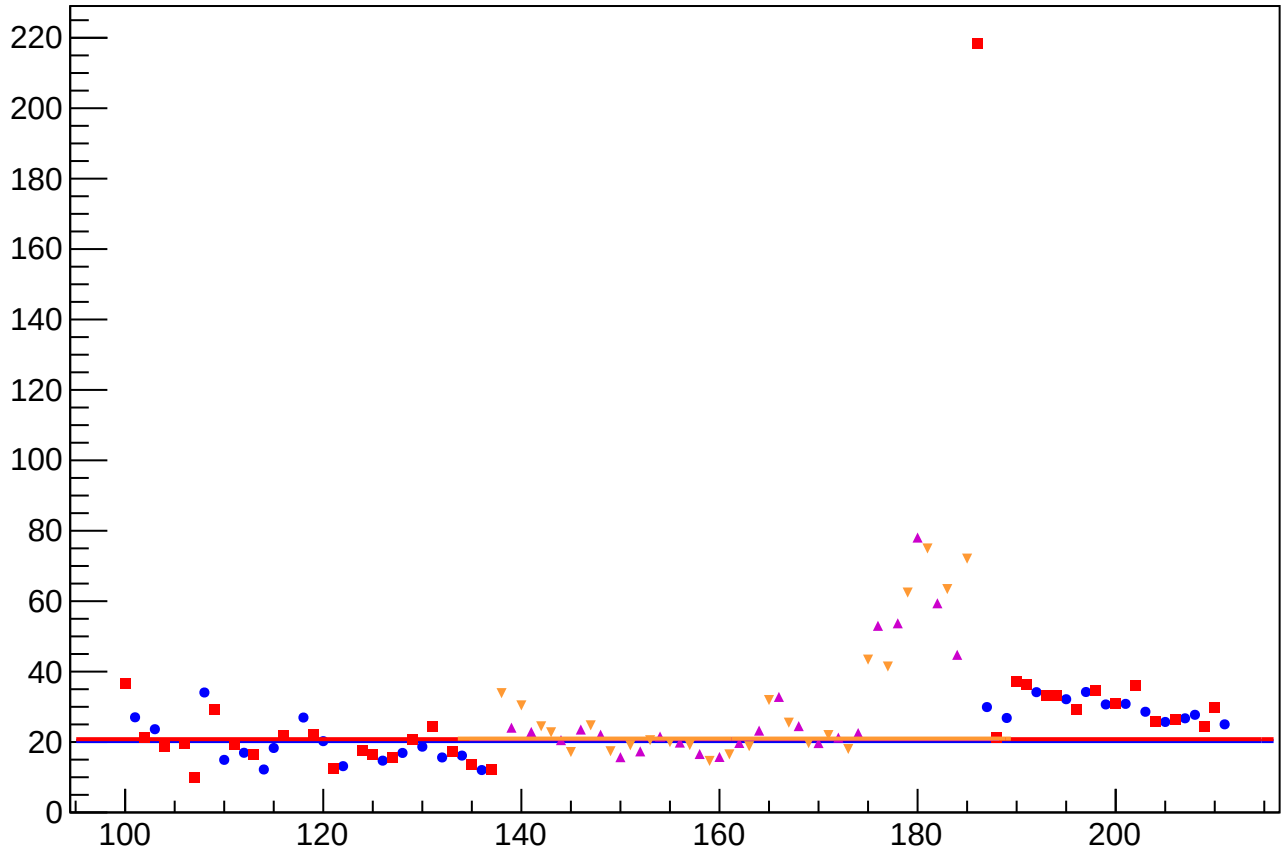
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.001+/-0.004 χ^2/NDF: 104.6/60

In: -0.001+/-0.004 χ^2/NDF:61.0/50

Out: -0.002+/-0.004 χ^2/NDF:90.6/57

All: -0.001+/-0.003 χ^2/NDF: 151.7/108



Right In: 20.266+/-0.004 χ^2/NDF: 3523339.5/27

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.814+/-0.004 χ^2/NDF: 4141531.4/32

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

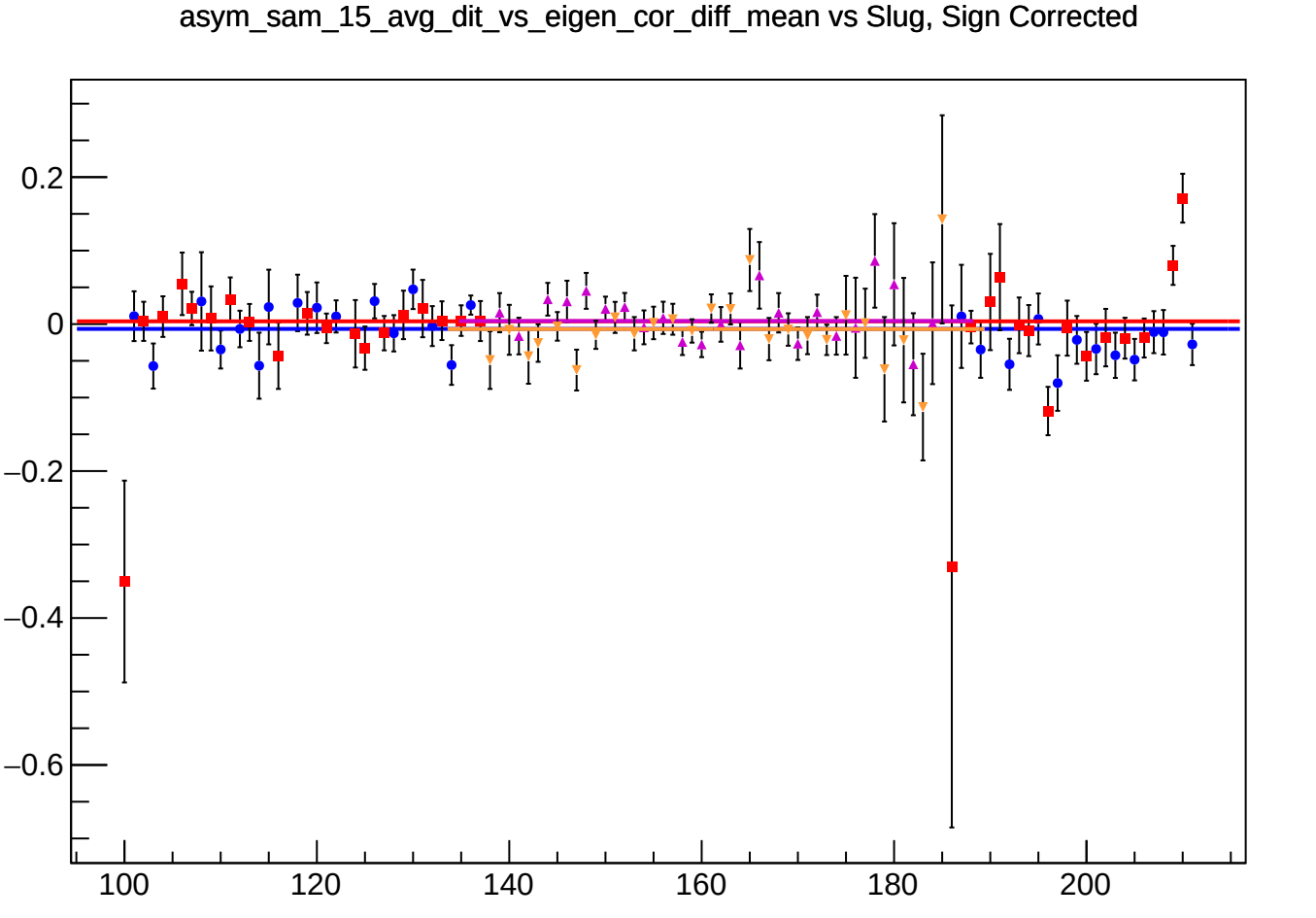
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.544+/-0.003 χ^2/NDF: 7675253.1/60

In: 20.574+/-0.003 χ^2/NDF:7070840.6/50

Out: 20.900+/-0.003 χ^2/NDF:8609538.6/57

All: 20.739+/-0.002 χ^2/NDF: 15687909.9/108



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.005 χ^2/NDF: 66.9/32

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

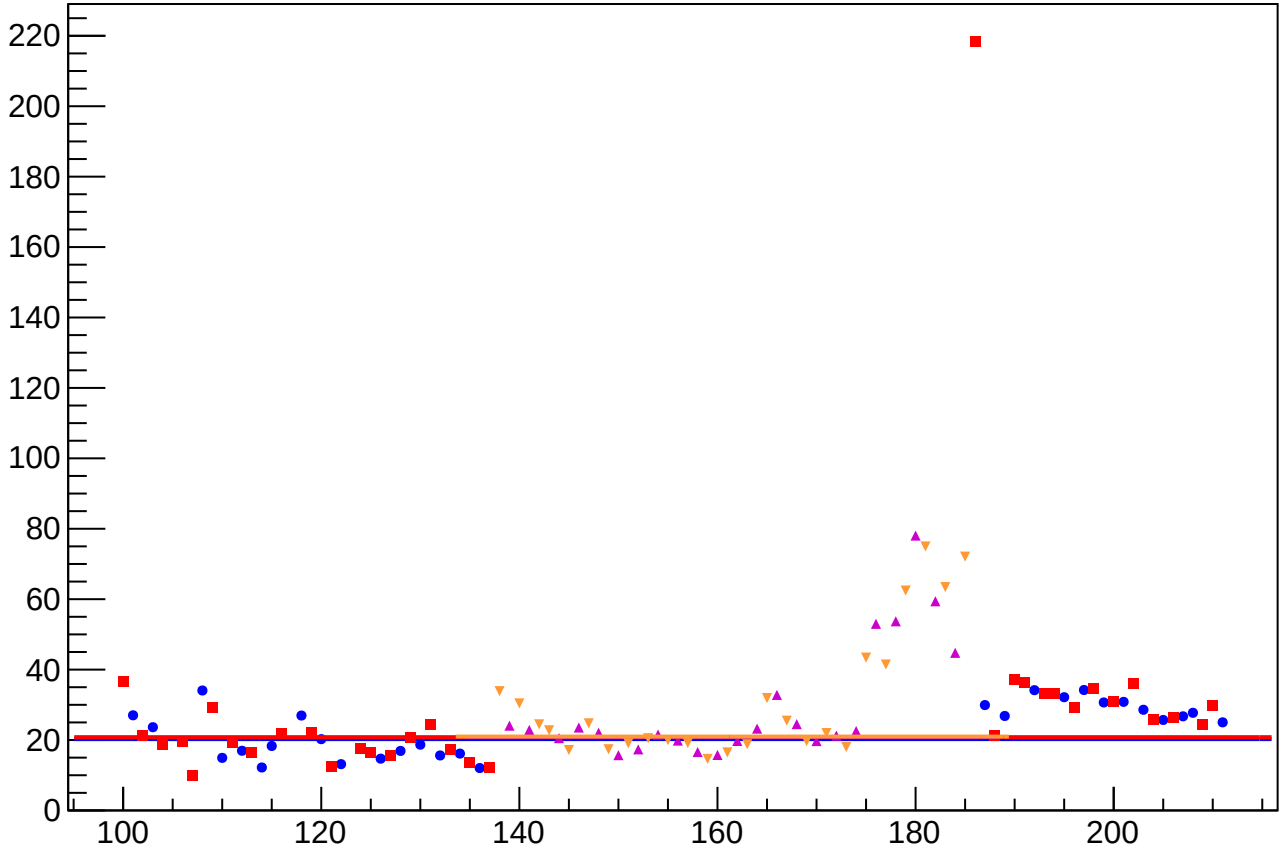
Right: -0.001+/-0.004 χ^2/NDF: 104.6/60

In: -0.001+/-0.004 χ^2/NDF:61.0/50

Out: -0.002+/-0.004 χ^2/NDF:90.6/57

All: -0.001+/-0.003 χ^2/NDF: 151.7/108

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.266+/-0.004 χ^2/NDF: 3523339.5/27

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.814+/-0.004 χ^2/NDF: 4141531.4/32

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

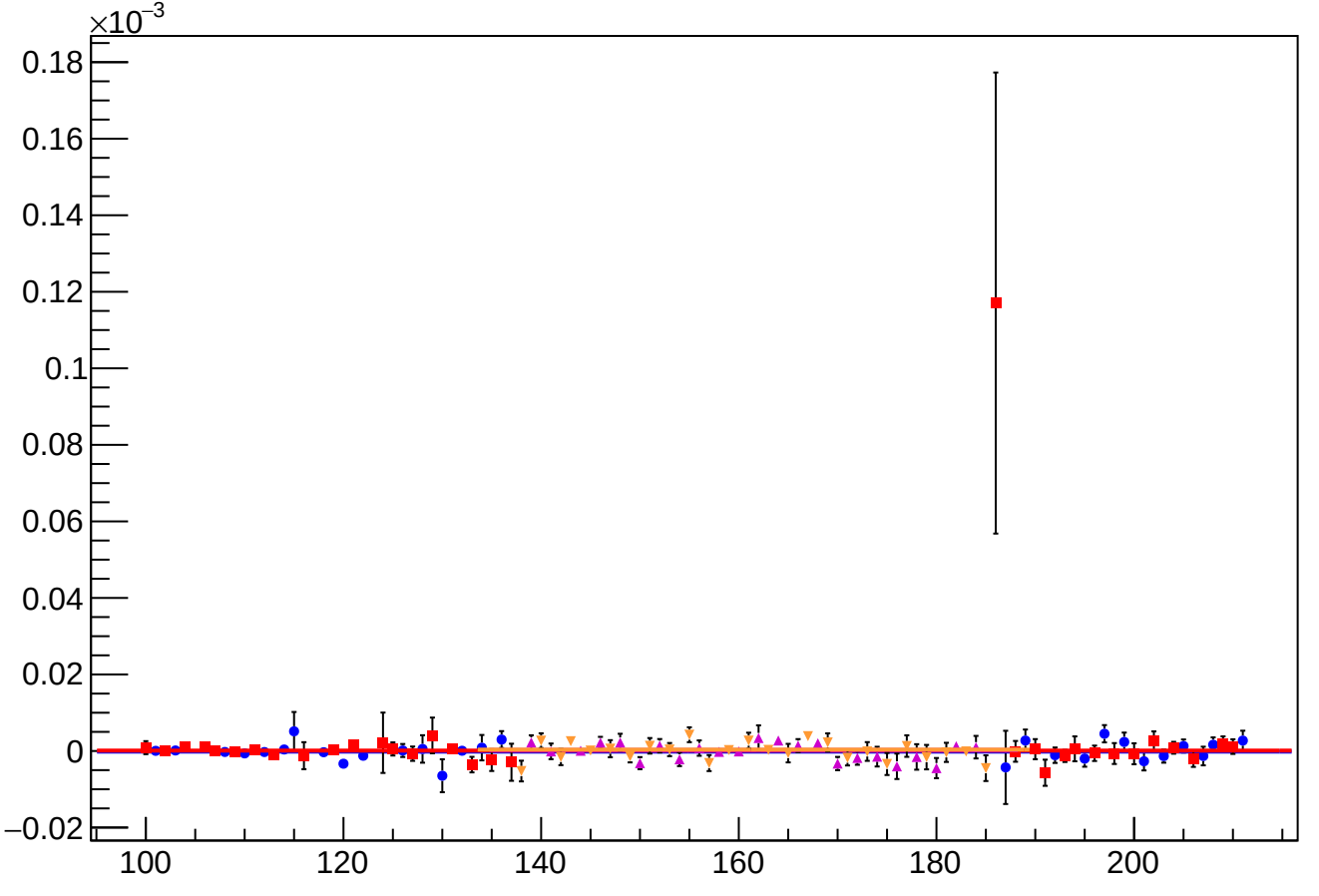
Right: 20.544+/-0.003 χ^2/NDF: 7675253.1/60

In: 20.574+/-0.003 χ^2/NDF:7070840.6/50

Out: 20.900+/-0.003 χ^2/NDF:8609538.6/57

All: 20.739+/-0.002 χ^2/NDF: 15687909.9/108

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/32

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

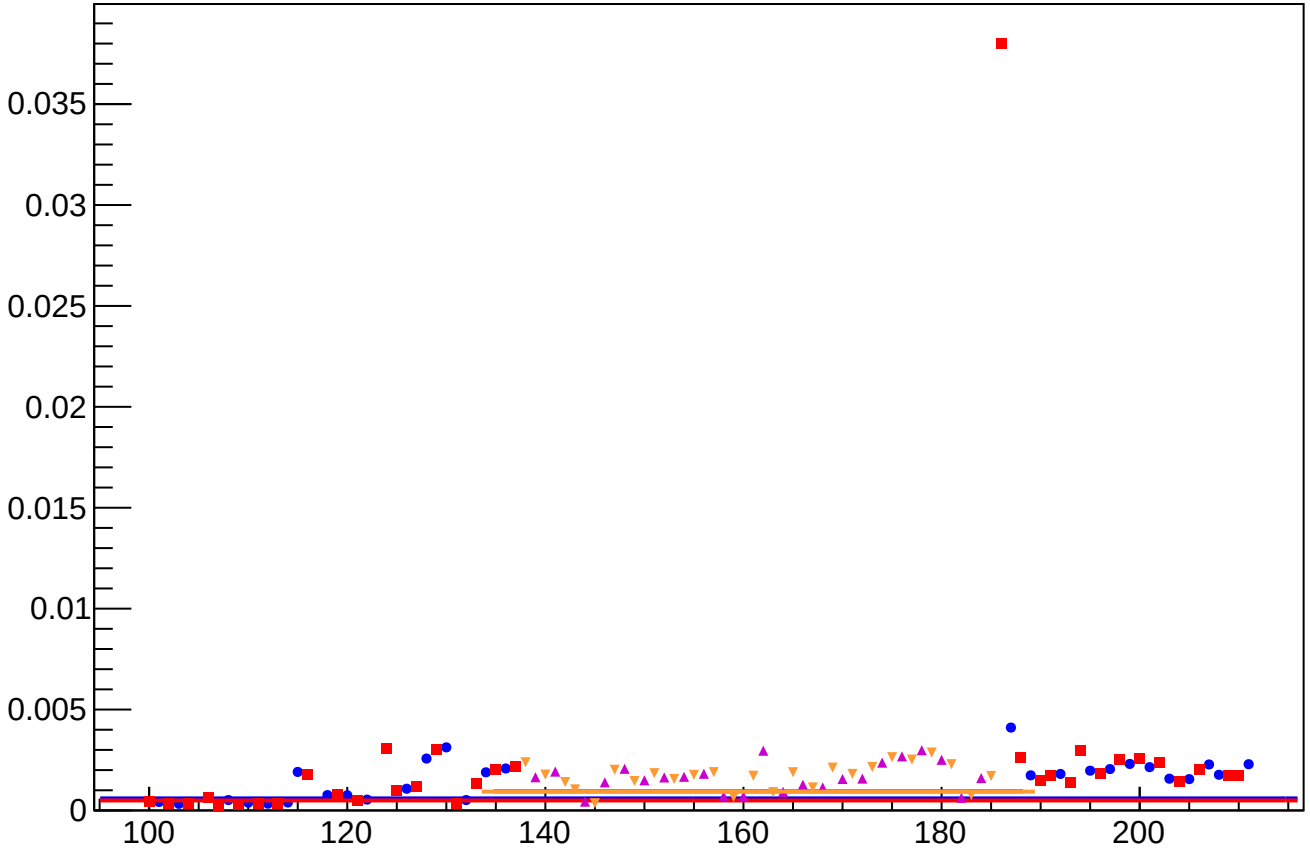
Right: -0.000+/-0.000 χ^2/NDF: 59.3/60

In: -0.000+/-0.000 χ^2/NDF:60.0/50

Out: 0.000+/-0.000 χ^2/NDF:66.5/57

All: 0.000+/-0.000 χ^2/NDF: 127.2/108

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 13475904.4/27

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16938575.9/32

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

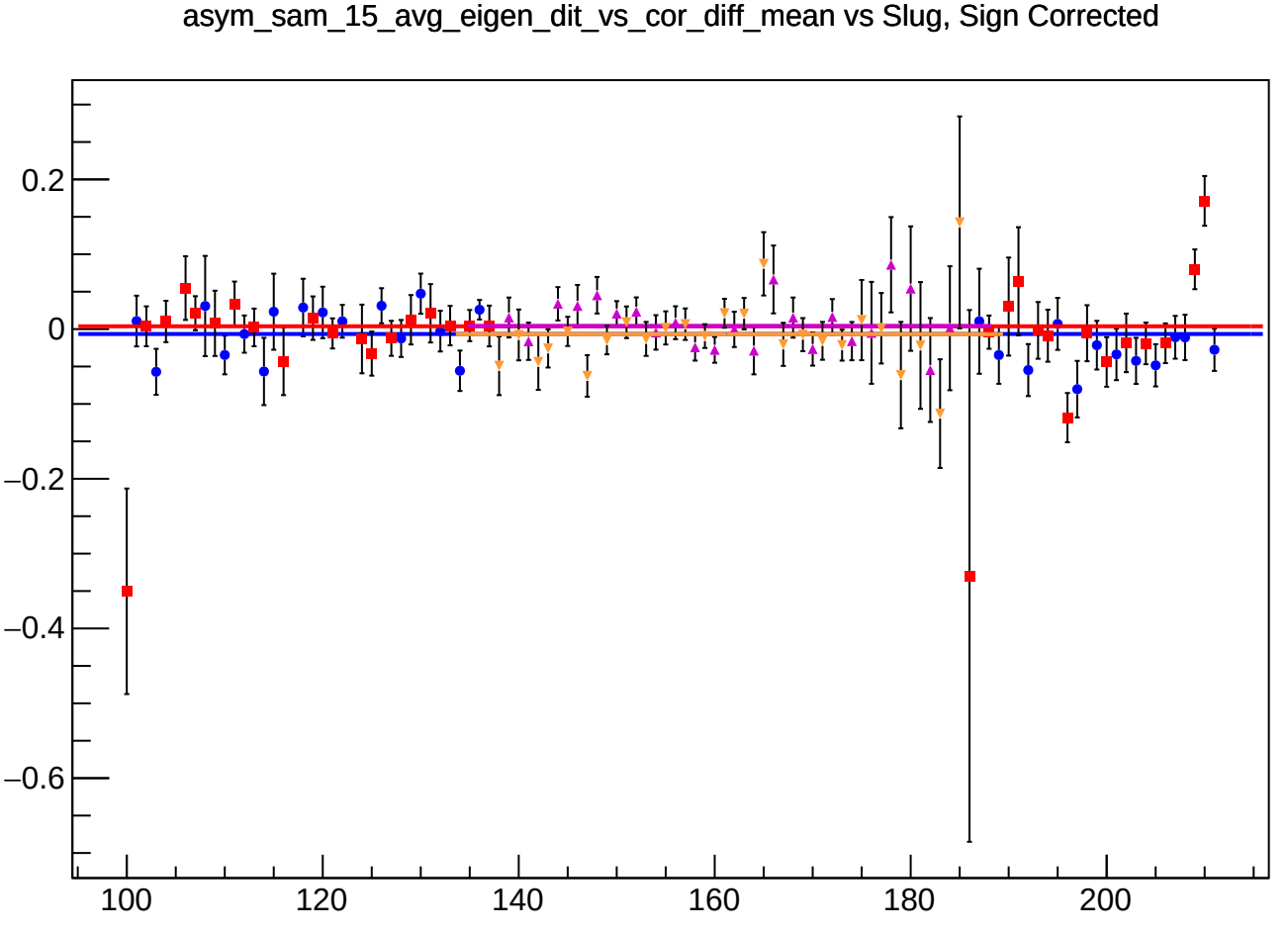
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 30730405.5/60

In: 0.001+/-0.000 χ^2/NDF:25212528.1/50

Out: 0.001+/-0.000 χ^2/NDF:32936273.8/57

All: 0.001+/-0.000 χ^2/NDF: 58624523.2/108



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.005 χ^2/NDF: 66.9/32

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

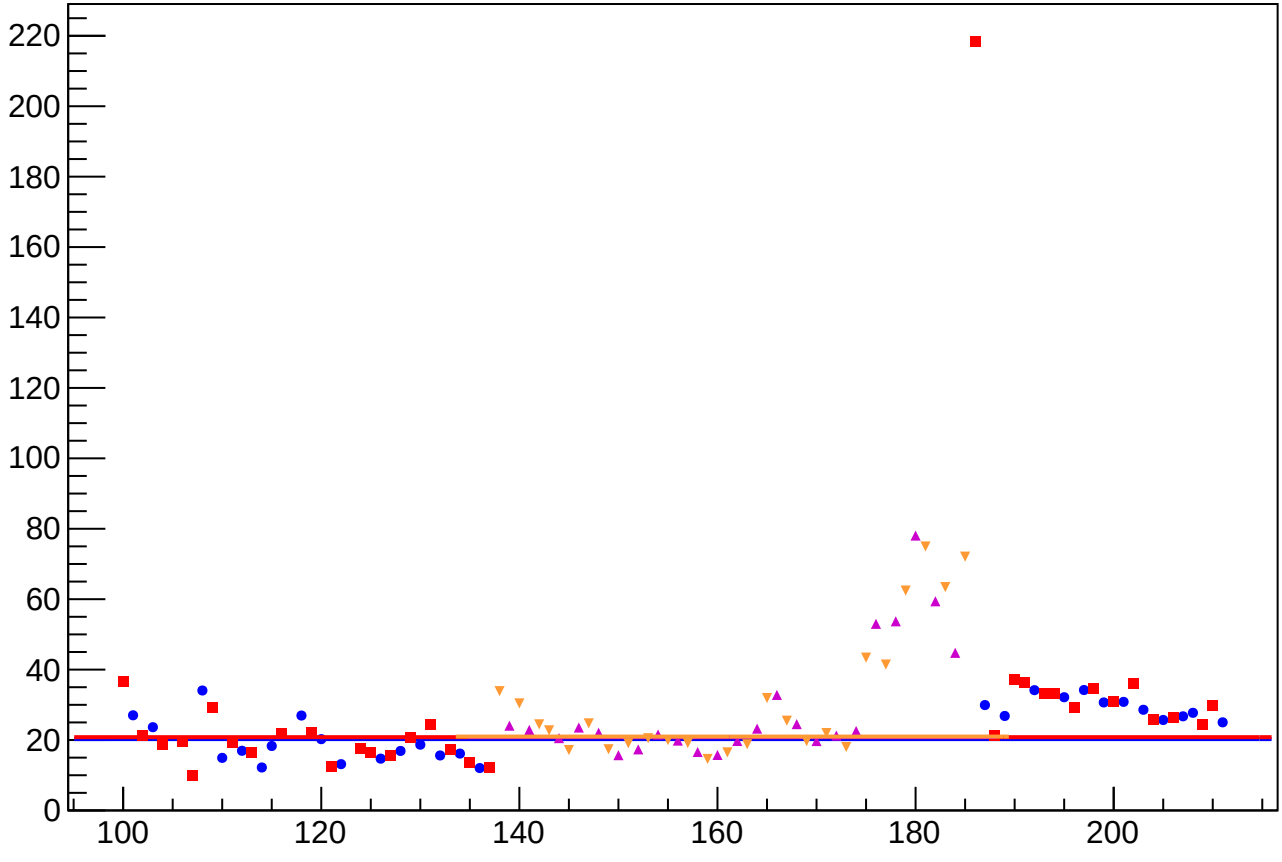
Right: -0.001+/-0.004 χ^2/NDF: 104.6/60

In: -0.001+/-0.004 χ^2/NDF:61.0/50

Out: -0.002+/-0.004 χ^2/NDF:90.6/57

All: -0.001+/-0.003 χ^2/NDF: 151.7/108

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.266+/-0.004 χ^2/NDF: 3523357.9/27

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.814+/-0.004 χ^2/NDF: 4141547.1/32

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

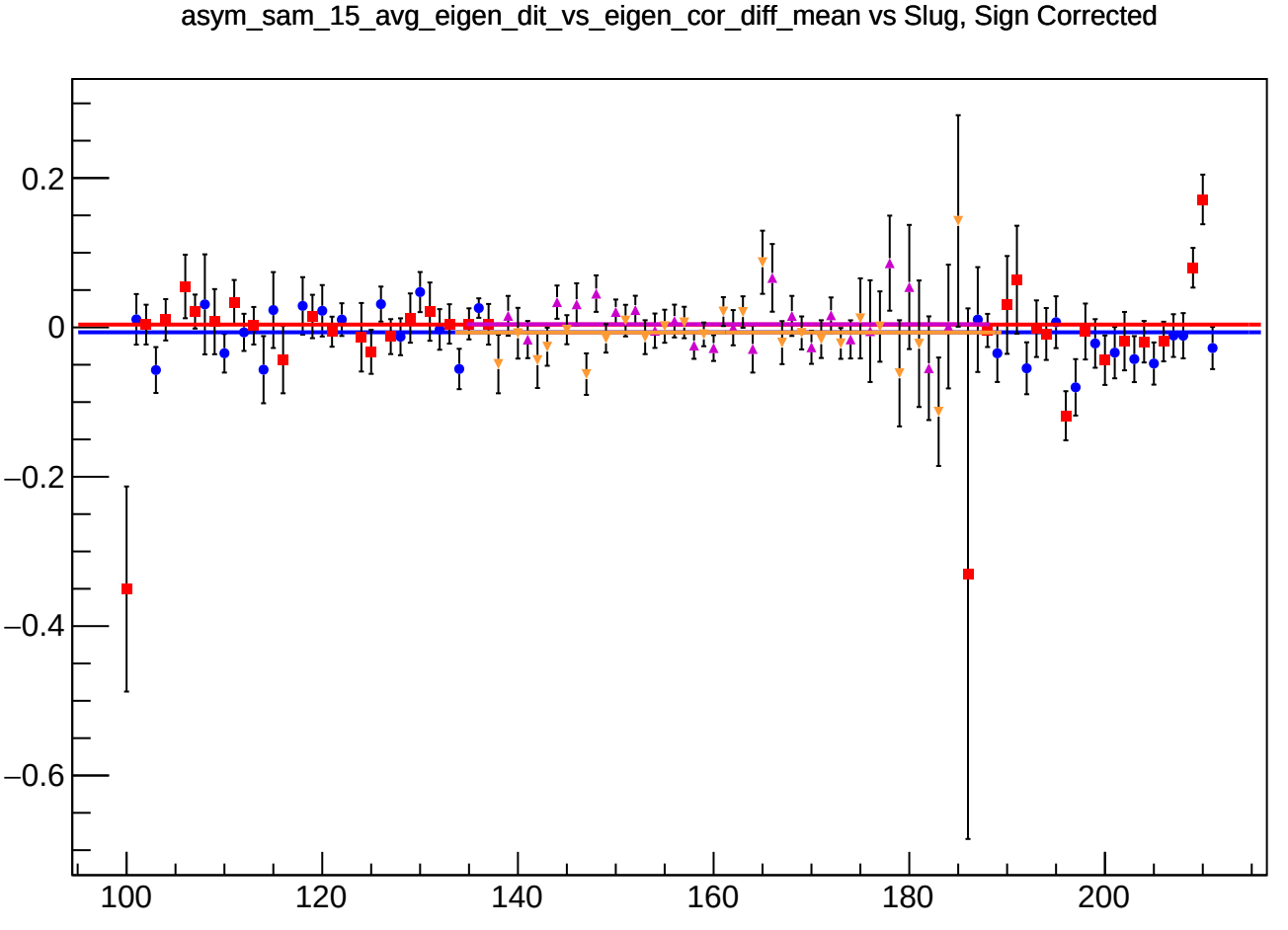
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.544+/-0.003 χ^2/NDF: 7675284.4/60

In: 20.574+/-0.003 χ^2/NDF:7070915.9/50

Out: 20.900+/-0.003 χ^2/NDF:8609532.2/57

All: 20.739+/-0.002 χ^2/NDF: 15687978.9/108



Right In: -0.007+/-0.005 χ^2/NDF: 35.8/27

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.005 χ^2/NDF: 66.9/32

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

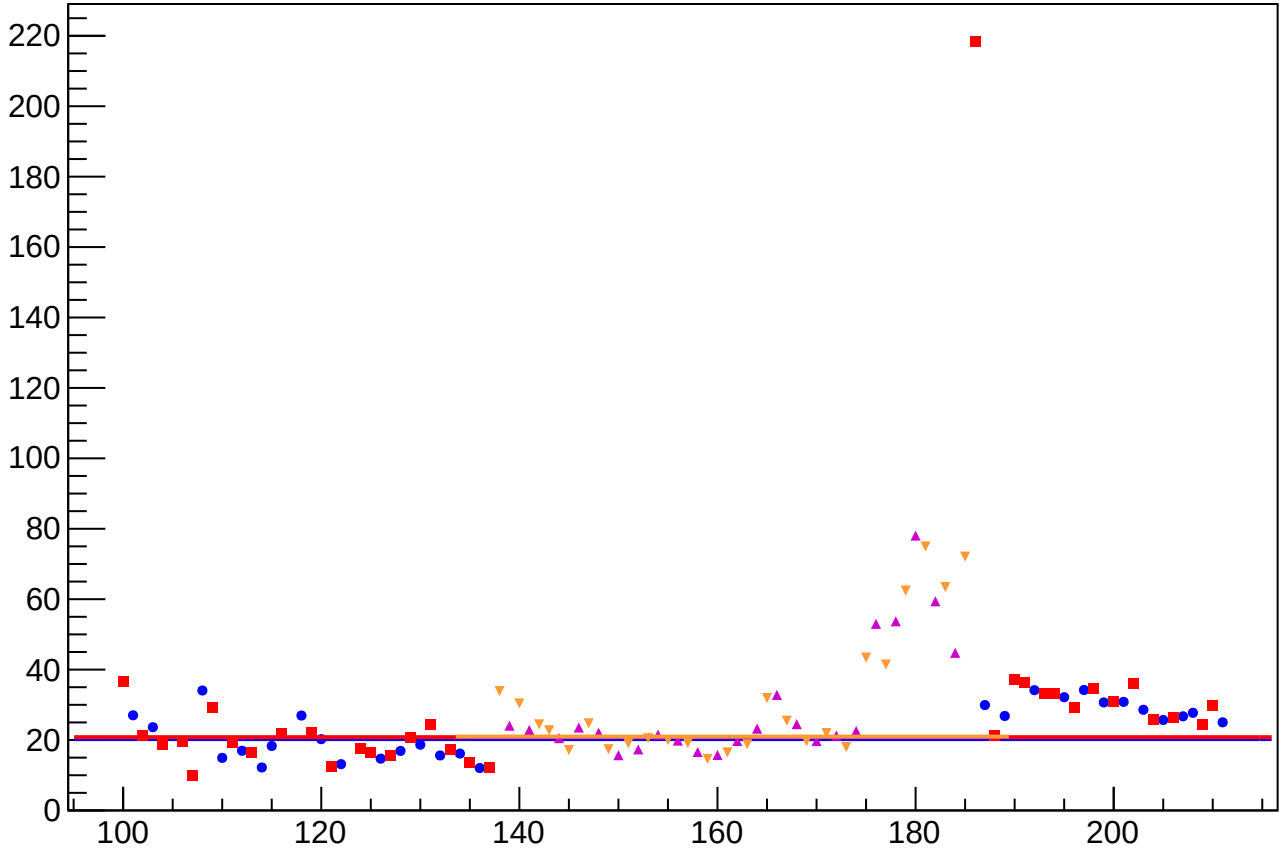
Right: -0.001+/-0.004 χ^2/NDF: 104.6/60

In: -0.001+/-0.004 χ^2/NDF:61.0/50

Out: -0.002+/-0.004 χ^2/NDF:90.6/57

All: -0.001+/-0.003 χ^2/NDF: 151.7/108

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.266+/-0.004 χ^2/NDF: 3523357.9/27

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.814+/-0.004 χ^2/NDF: 4141547.1/32

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

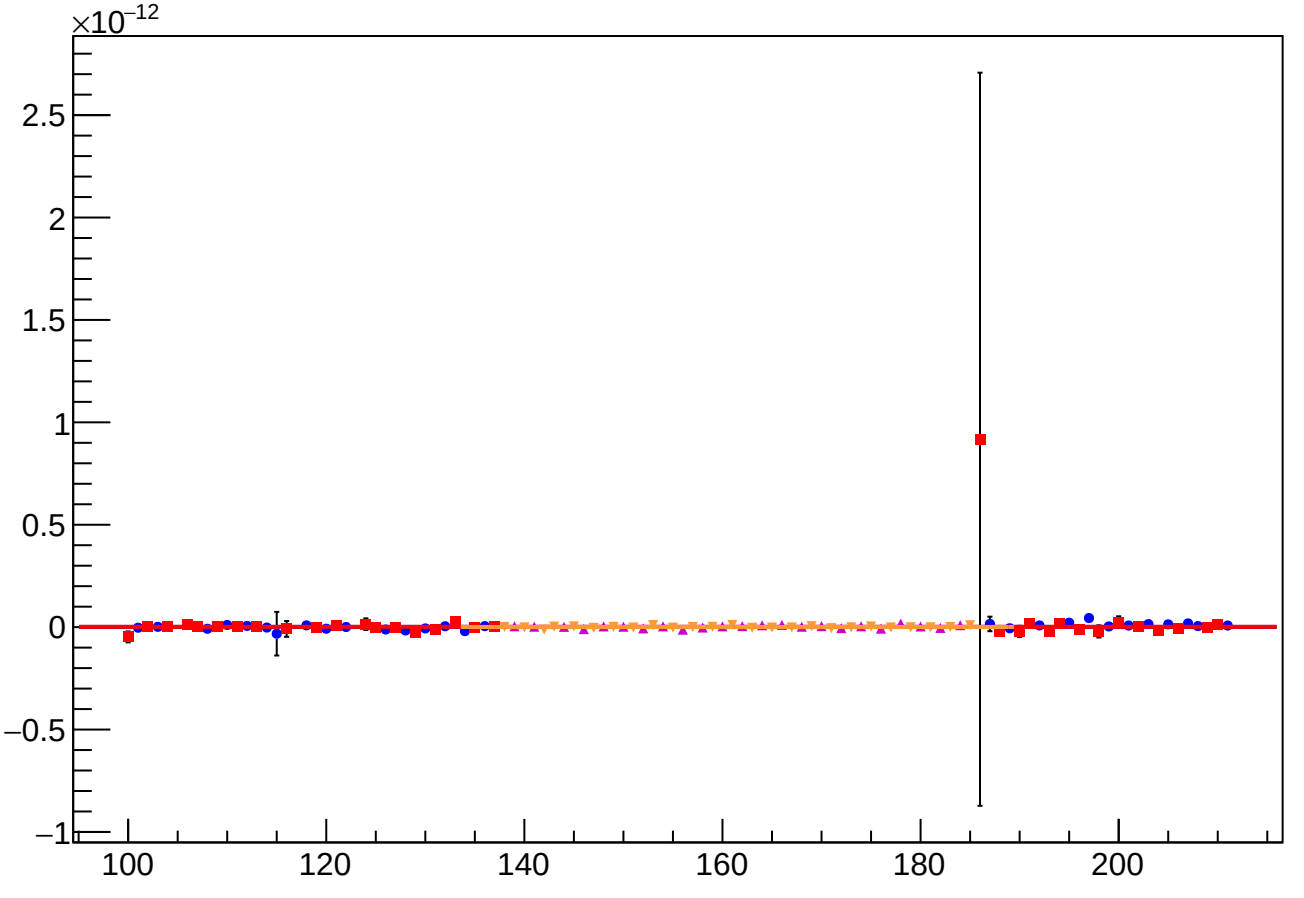
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.544+/-0.003 χ^2/NDF: 7675284.4/60

In: 20.574+/-0.003 χ^2/NDF:7070915.9/50

Out: 20.900+/-0.003 χ^2/NDF:8609532.2/57

All: 20.739+/-0.002 χ^2/NDF: 15687978.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/32

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

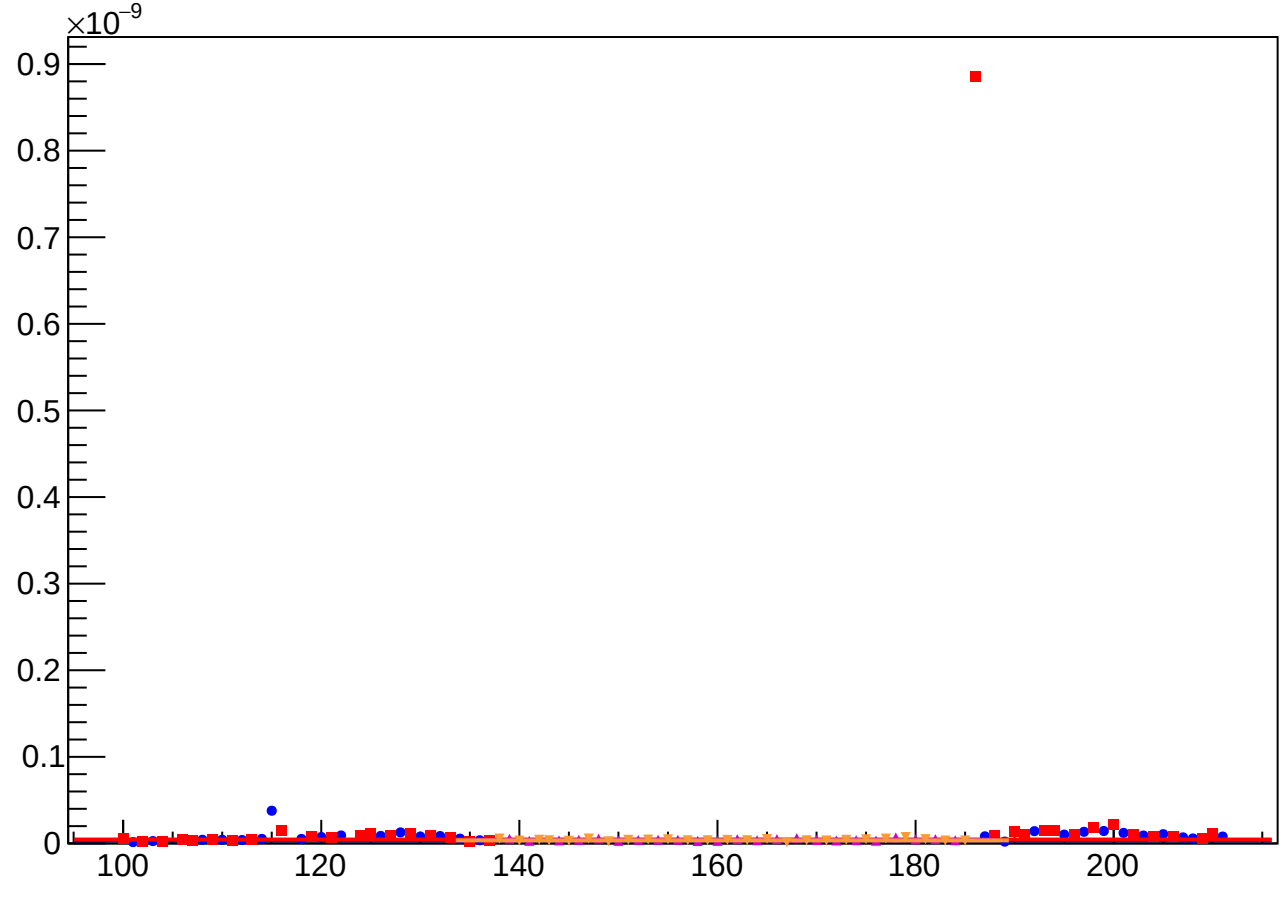
Right: 0.000+/-0.000 χ^2/NDF: 52.5/60

In: 0.000+/-0.000 χ^2/NDF:52.1/50

Out: 0.000+/-0.000 χ^2/NDF:41.7/57

All: 0.000+/-0.000 χ^2/NDF: 93.8/108

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7366248.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982426.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

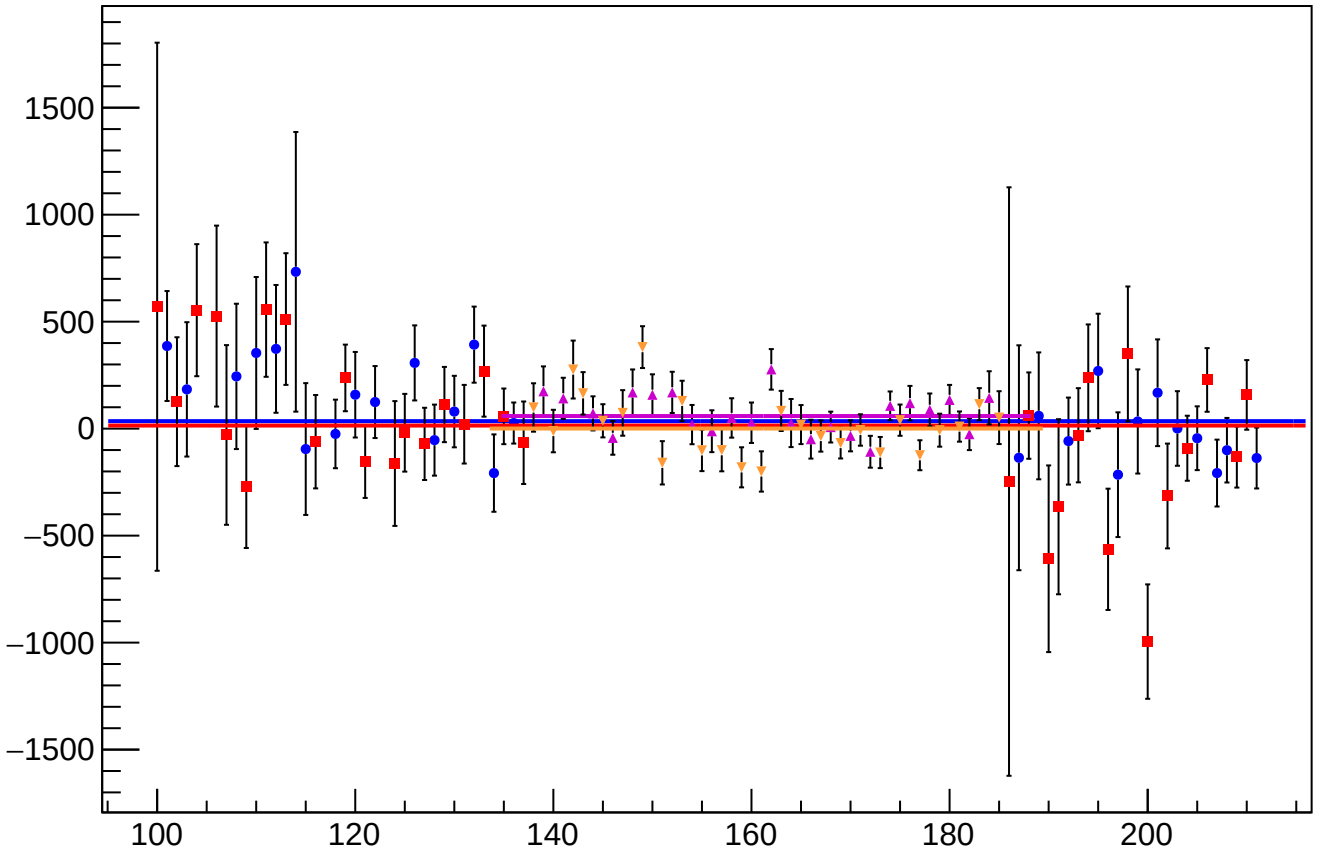
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15562112.1/60

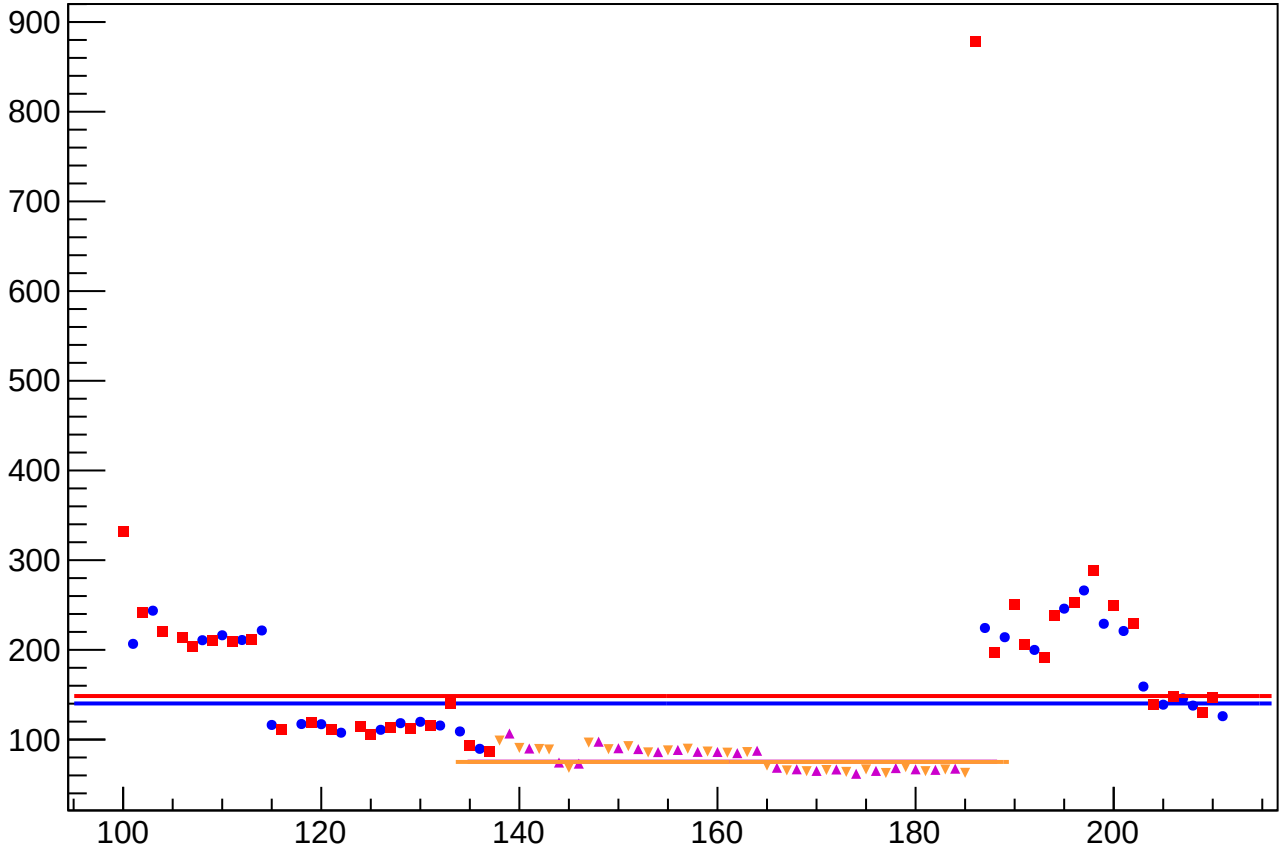
In: 0.000+/-0.000 χ^2/NDF:8574137.2/50

Out: 0.000+/-0.000 χ^2/NDF:11002149.3/57

All: 0.000+/-0.000 χ^2/NDF: 19578187.1/108


reg_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 35.029+/-36.494 χ²/NDF: 22.4/27
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: 14.428+/-37.468 χ²/NDF: 46.9/32
Left In: 58.907+/-17.879 χ²/NDF:25.8/22
Left: 28.825+/-12.440 χ²/NDF: 79.9/47
Right: 25.000+/-26.143 χ²/NDF: 69.5/60
In: 54.285+/-16.056 χ²/NDF:48.6/50
Out: 3.033+/-15.721 χ²/NDF:95.6/57
All: 28.119+/-11.233 χ²/NDF: 149.4/108

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.234+/-0.026 χ^2/NDF: 3158532.7/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.516+/-0.026 χ^2/NDF: 4224511.4/32

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

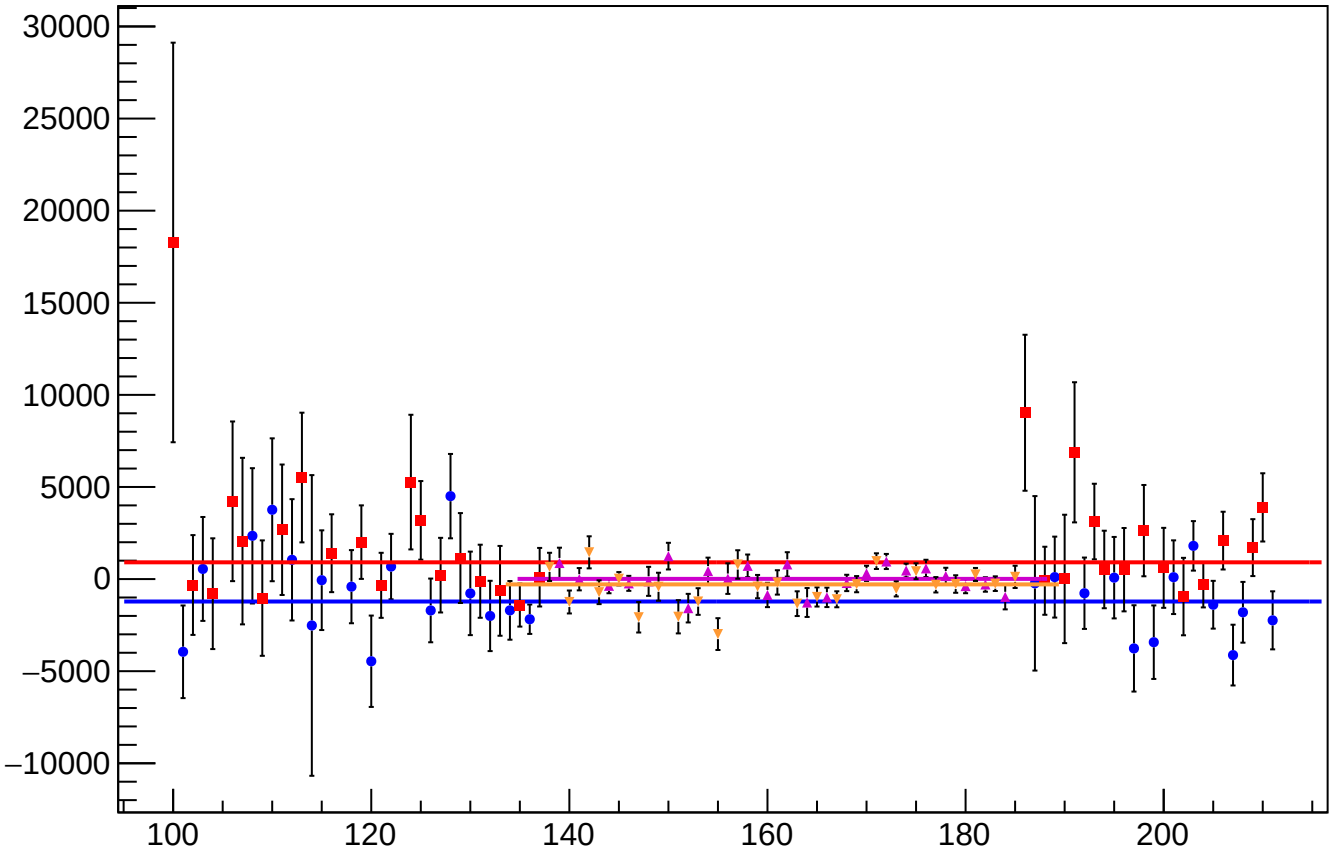
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 144.266+/-0.018 χ^2/NDF: 7433185.8/60

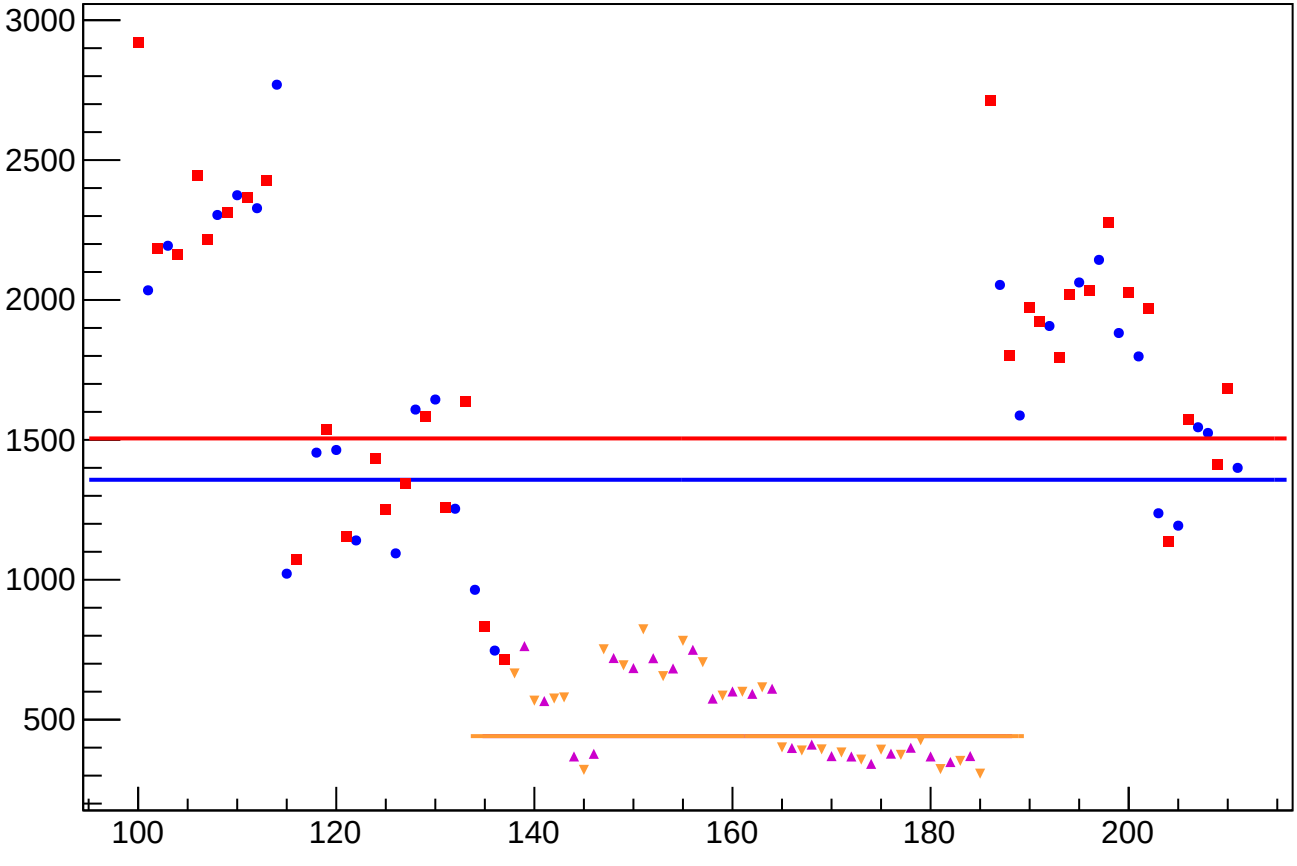
In: 87.911+/-0.011 χ^2/NDF:9094227.6/50

Out: 87.977+/-0.011 χ^2/NDF:11489573.6/57

All: 87.944+/-0.008 χ^2/NDF: 20583818.5/108


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1217.967+/-352.406 χ²/NDF: 28.3/27
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 909.624+/-372.257 χ²/NDF: 27.9/32
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -212.409+/-255.919 χ²/NDF: 73.5/60
In: -94.252+/-102.971 χ²/NDF:72.8/50
Out: -199.452+/-101.263 χ²/NDF:90.8/57
All: -147.732+/-72.200 χ²/NDF: 164.2/108

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1357.381+/-0.249 χ^2/NDF: 3280243.1/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1505.116+/-0.263 χ^2/NDF: 3346863.7/32

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

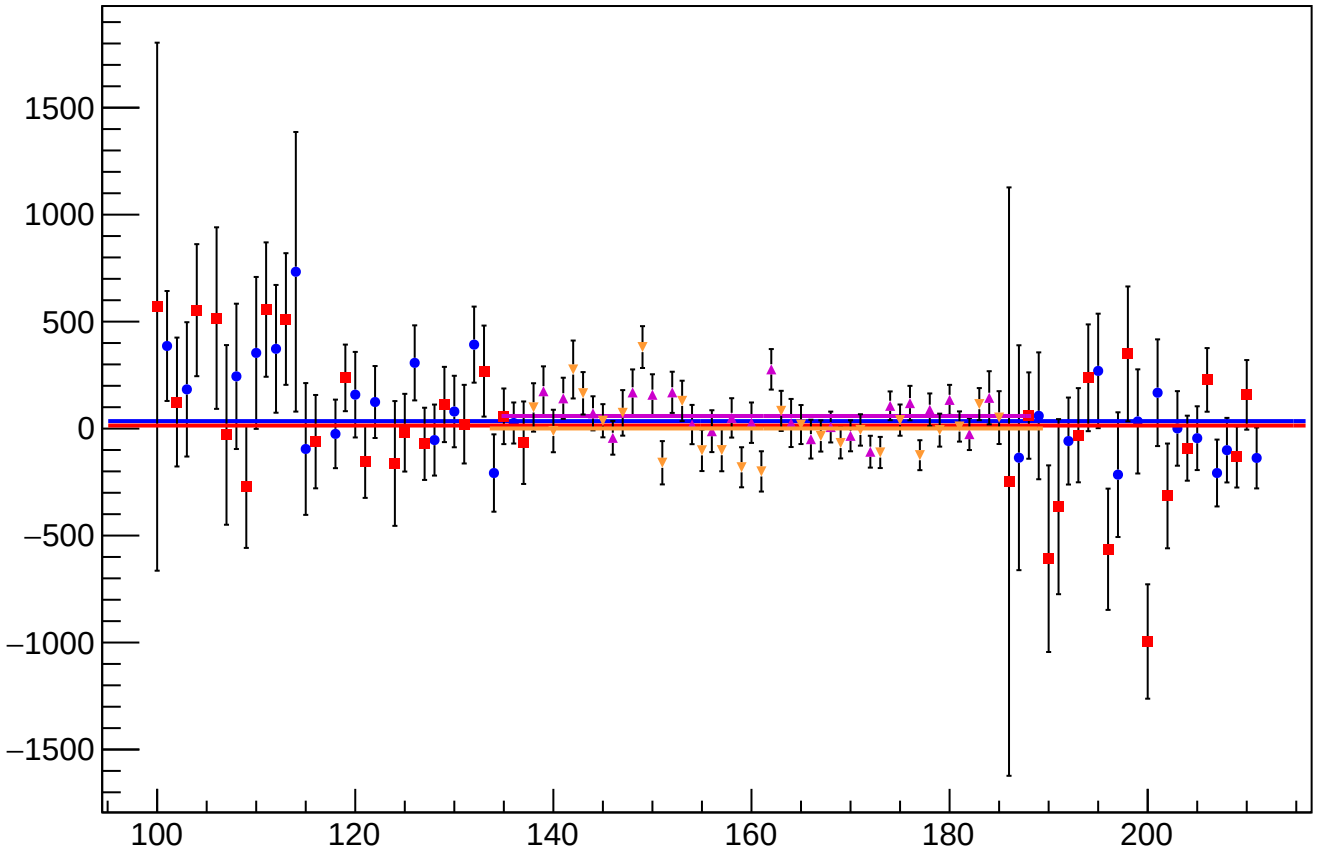
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1427.205+/-0.181 χ^2/NDF: 6793229.2/60

In: 519.417+/-0.073 χ^2/NDF:18326109.9/50

Out: 519.861+/-0.072 χ^2/NDF:21711183.6/57

All: 519.643+/-0.051 χ^2/NDF: 40037312.4/10



Right In: 35.015+/-36.494 χ^2/NDF: 22.4/27

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 14.295+/-37.469 χ^2/NDF: 46.8/32

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

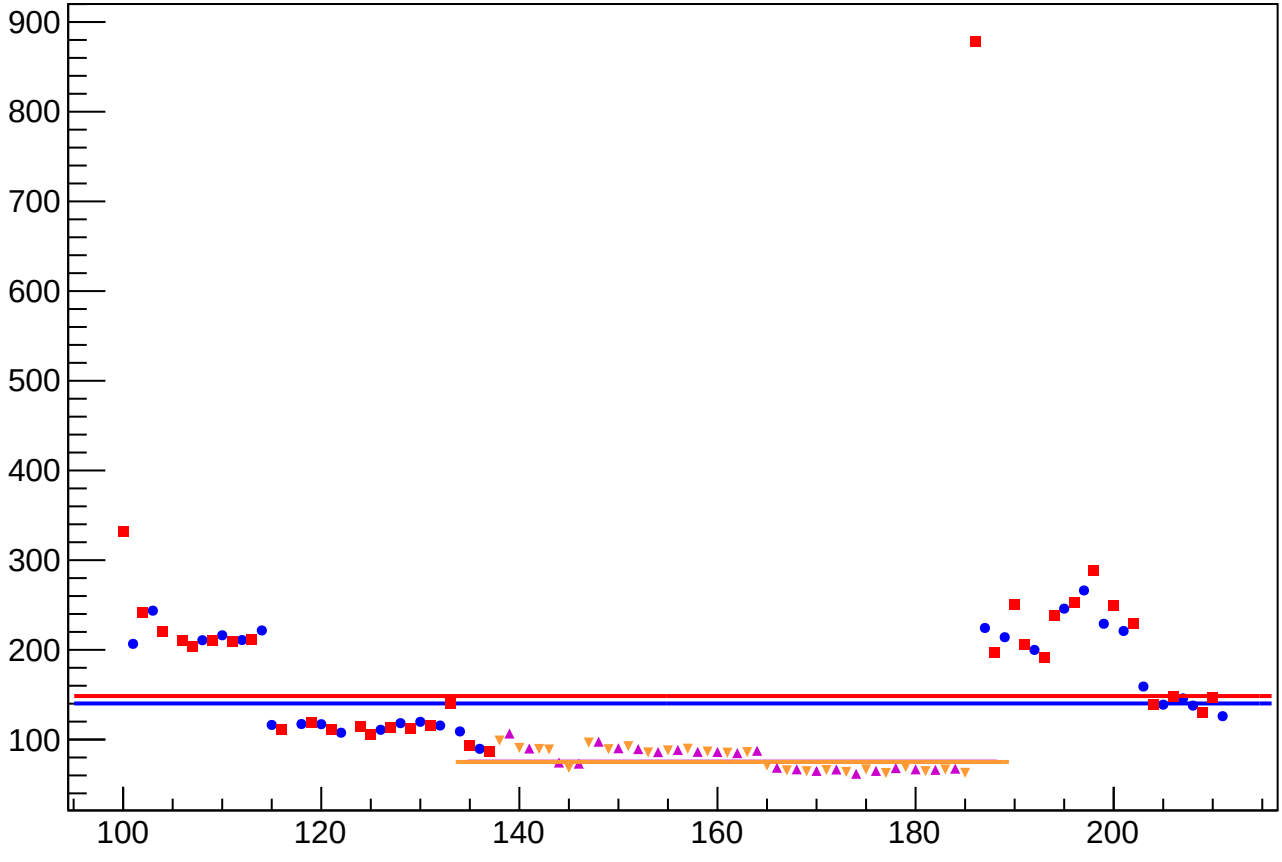
Right: 24.928+/-26.143 χ^2/NDF: 69.4/60

In: 54.280+/-16.056 χ^2/NDF:48.6/50

Out: 3.009+/-15.721 χ^2/NDF:95.5/57

All: 28.105+/-11.233 χ^2/NDF: 149.3/108

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.234+/-0.026 χ^2/NDF: 3158535.2/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.488+/-0.026 χ^2/NDF: 4220124.2/32

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

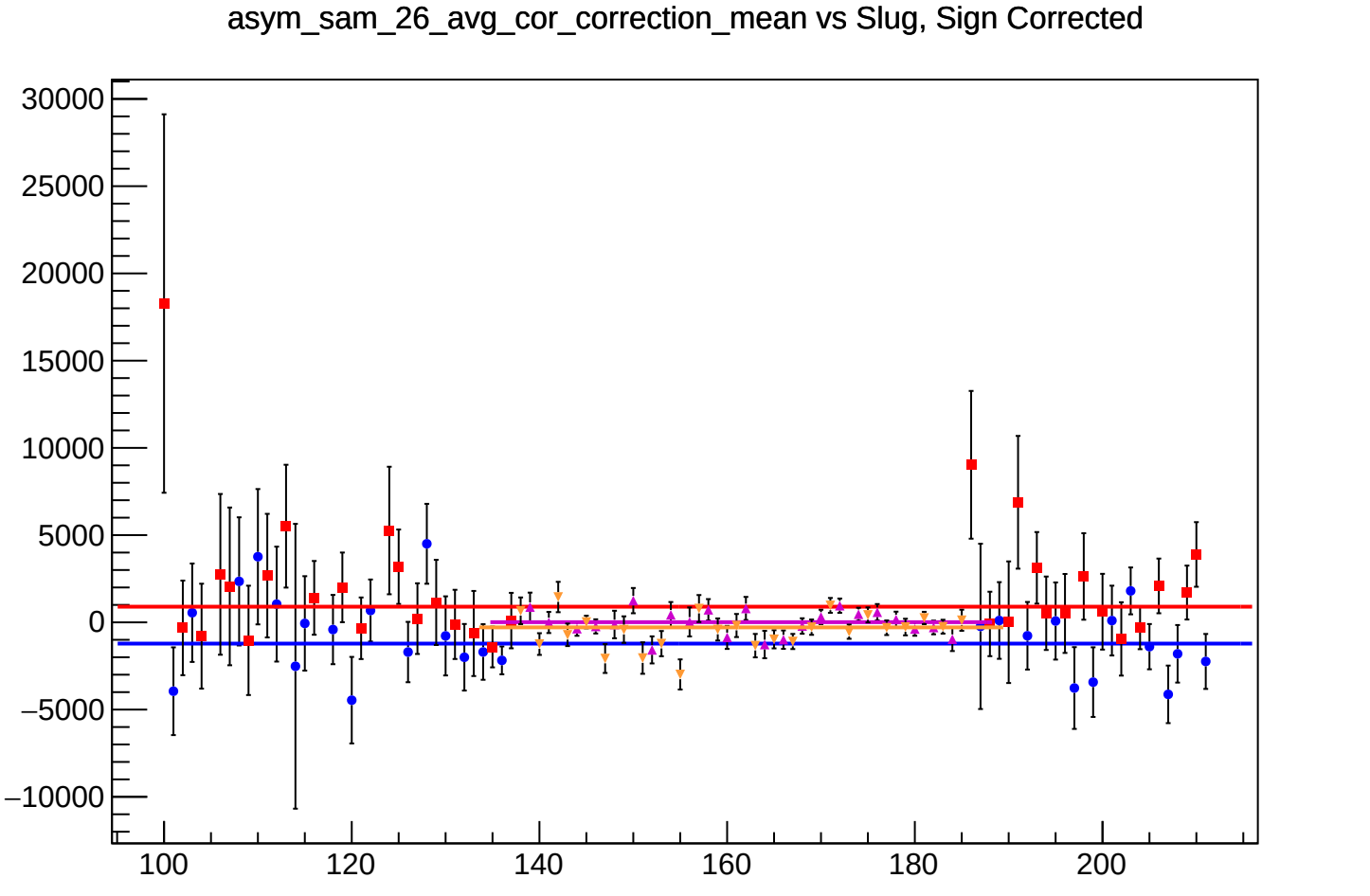
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.252+/-0.018 χ^2/NDF: 7428469.2/60

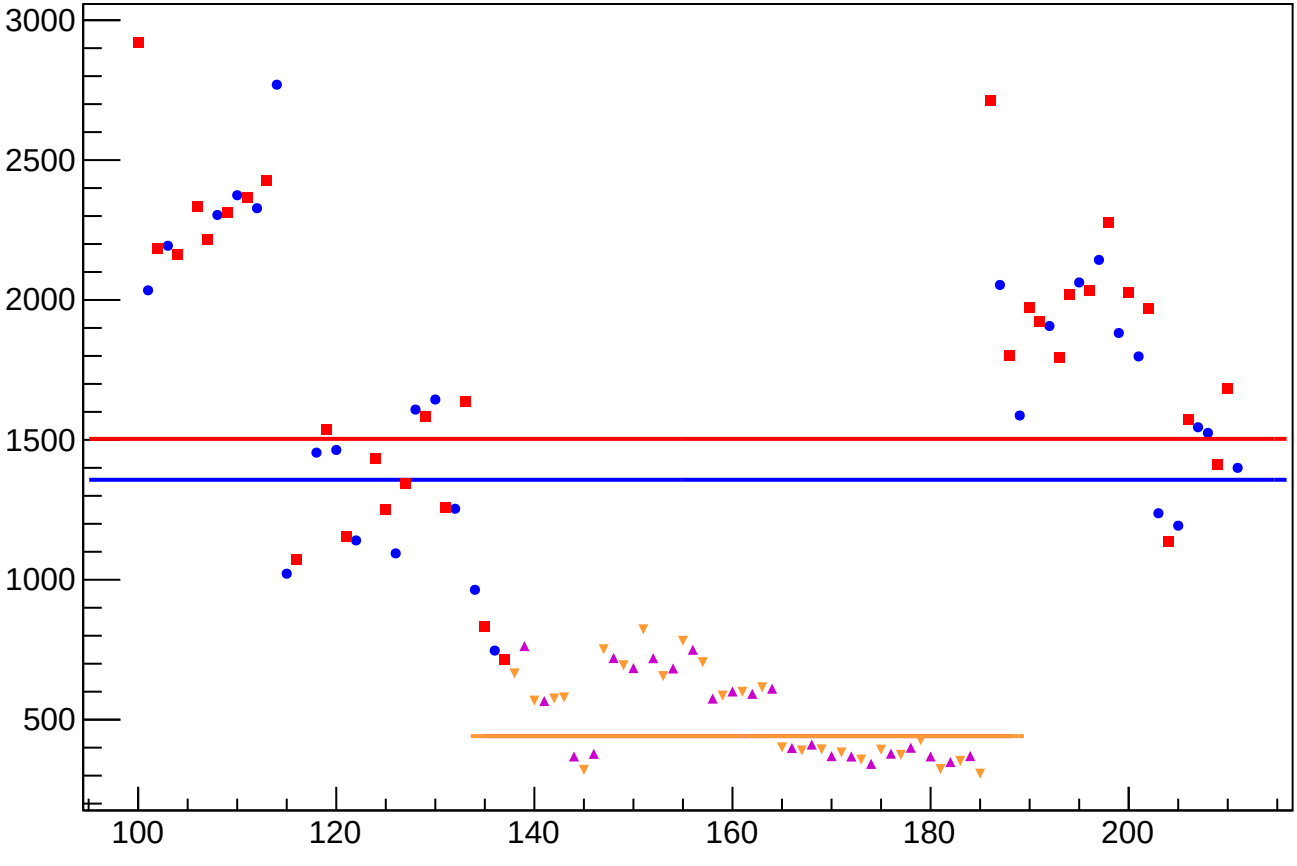
In: 87.911+/-0.011 χ^2/NDF:9094229.7/50

Out: 87.971+/-0.011 χ^2/NDF:11480102.3/57

All: 87.941+/-0.008 χ^2/NDF: 20574346.4/108


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1217.961+/-352.407 χ²/NDF: 28.3/27
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 897.335+/-372.419 χ²/NDF: 27.5/32
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -218.673+/-255.972 χ²/NDF: 72.8/60
In: -94.250+/-102.971 χ²/NDF:72.8/50
Out: -200.432+/-101.266 χ²/NDF:90.2/57
All: -148.227+/-72.201 χ²/NDF: 163.5/108

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1357.381+/-0.249 χ^2/NDF: 3280273.3/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF: 3318152.9/32

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

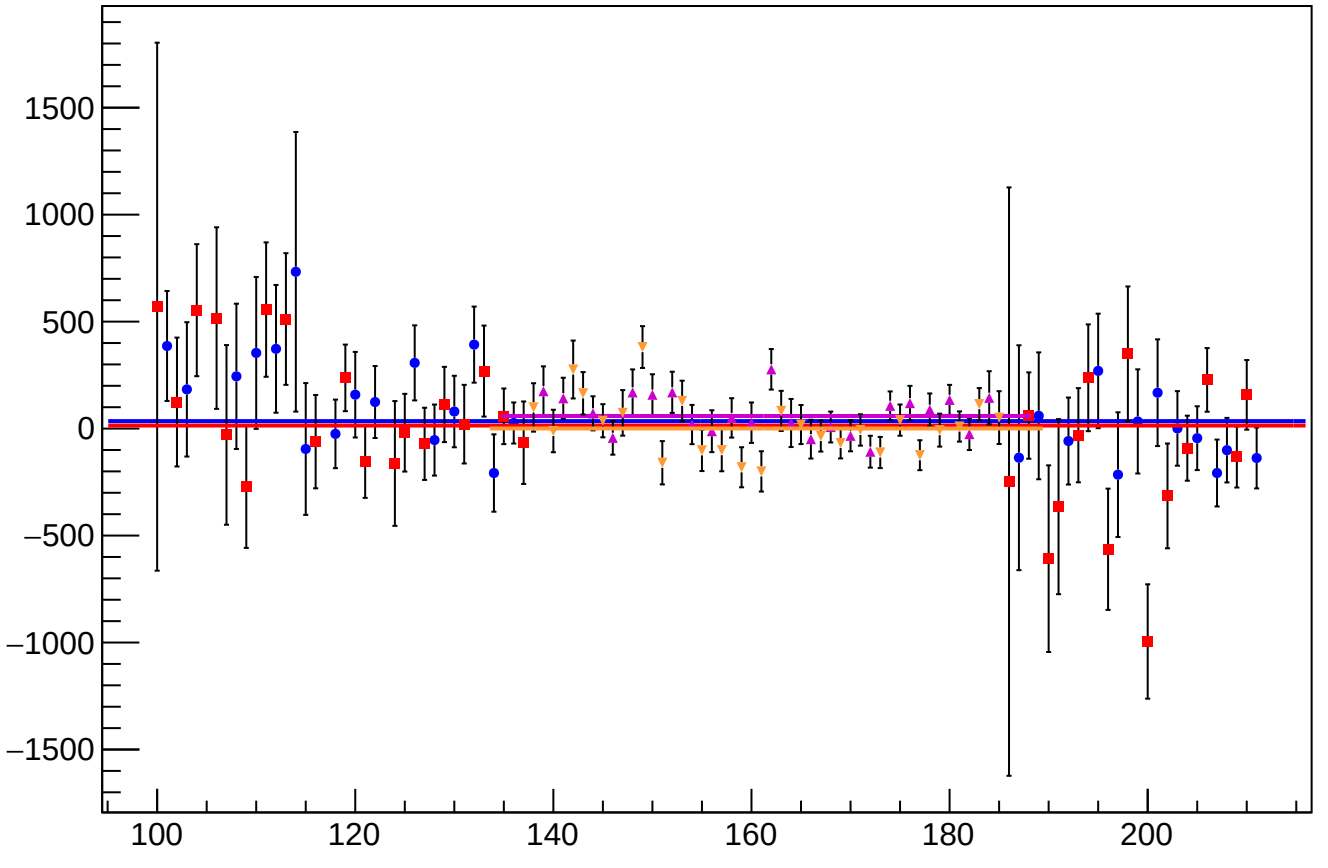
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1426.464+/-0.181 χ^2/NDF: 6761116.9/60

In: 519.417+/-0.073 χ^2/NDF:18326118.8/50

Out: 519.686+/-0.072 χ^2/NDF:21627644.9/57

All: 519.554+/-0.051 χ^2/NDF: 39953770.6/10



Right In: 35.015+/-36.494 χ^2/NDF: 22.4/27

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 14.295+/-37.469 χ^2/NDF: 46.8/32

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

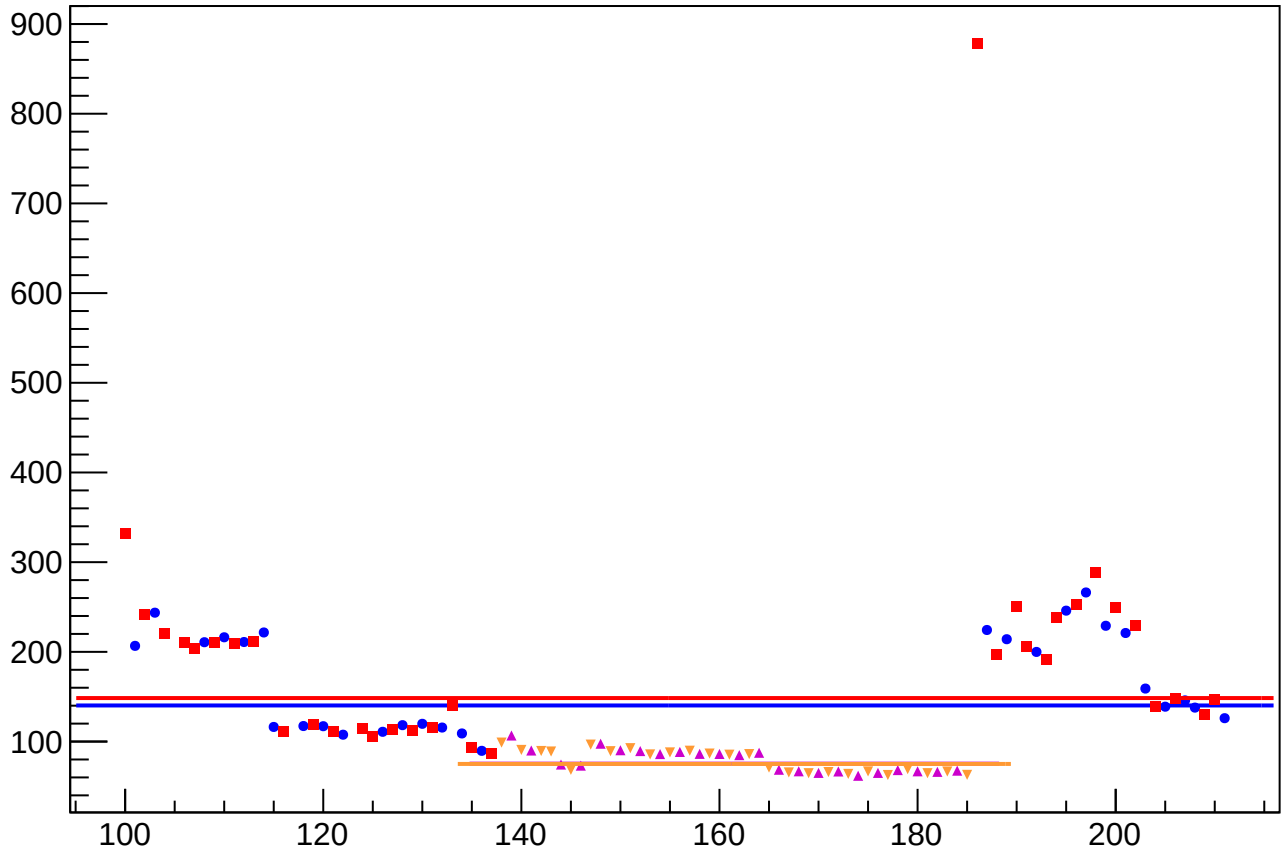
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 24.928+/-26.143 χ^2/NDF: 69.4/60

In: 54.280+/-16.056 χ^2/NDF:48.6/50

Out: 3.009+/-15.721 χ^2/NDF:95.5/57

All: 28.105+/-11.233 χ^2/NDF: 149.3/108



Right In: 140.234+/-0.026 χ^2/NDF: 3158535.2/27

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.488+/-0.026 χ^2/NDF: 4220124.2/32

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

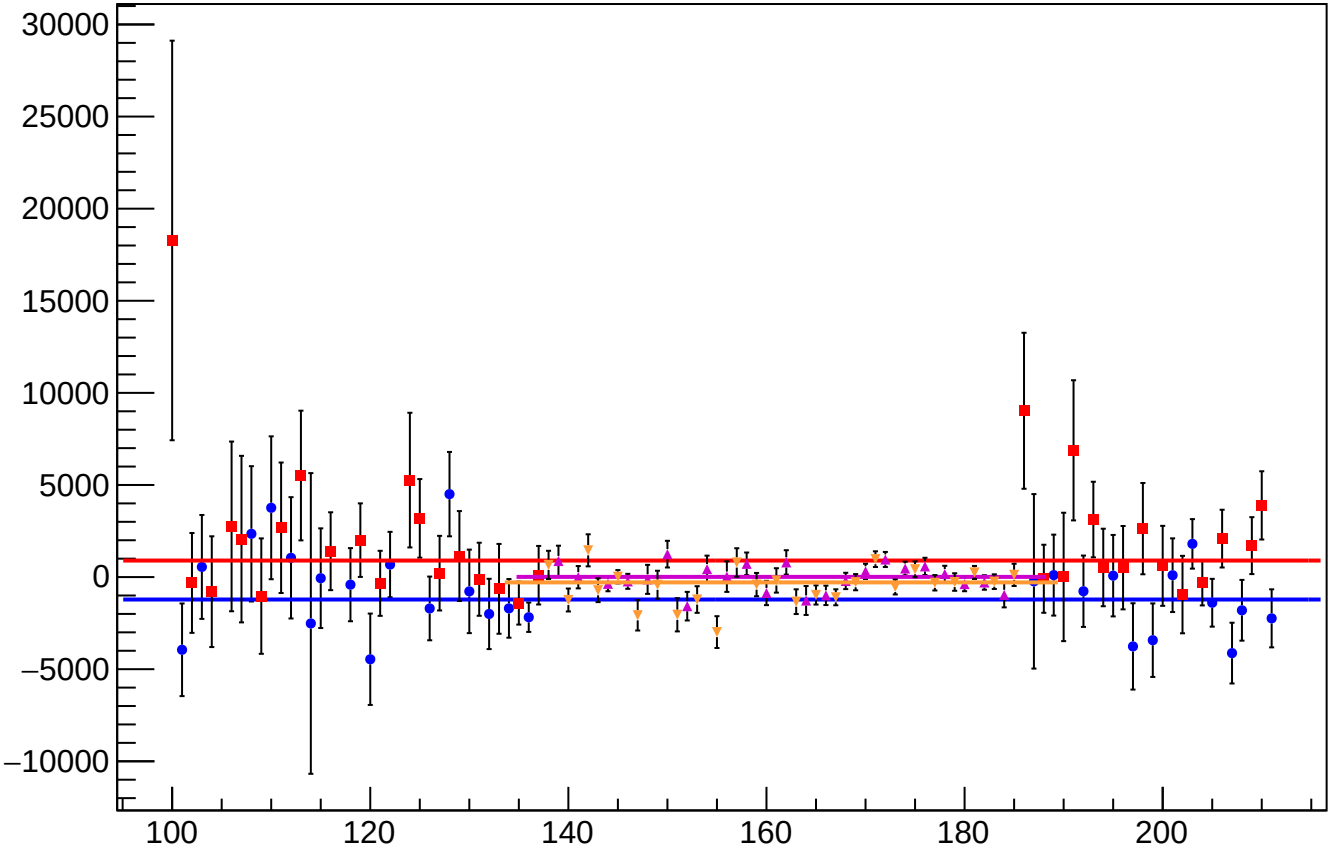
Right: 144.252+/-0.018 χ^2/NDF: 7428469.2/60

In: 87.911+/-0.011 χ^2/NDF:9094229.7/50

Out: 87.971+/-0.011 χ^2/NDF:11480102.3/57

All: 87.941+/-0.008 χ^2/NDF: 20574346.4/108

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1217.961+/-352.407 χ^2/NDF: 28.3/27

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 897.335+/-372.419 χ^2/NDF: 27.5/32

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

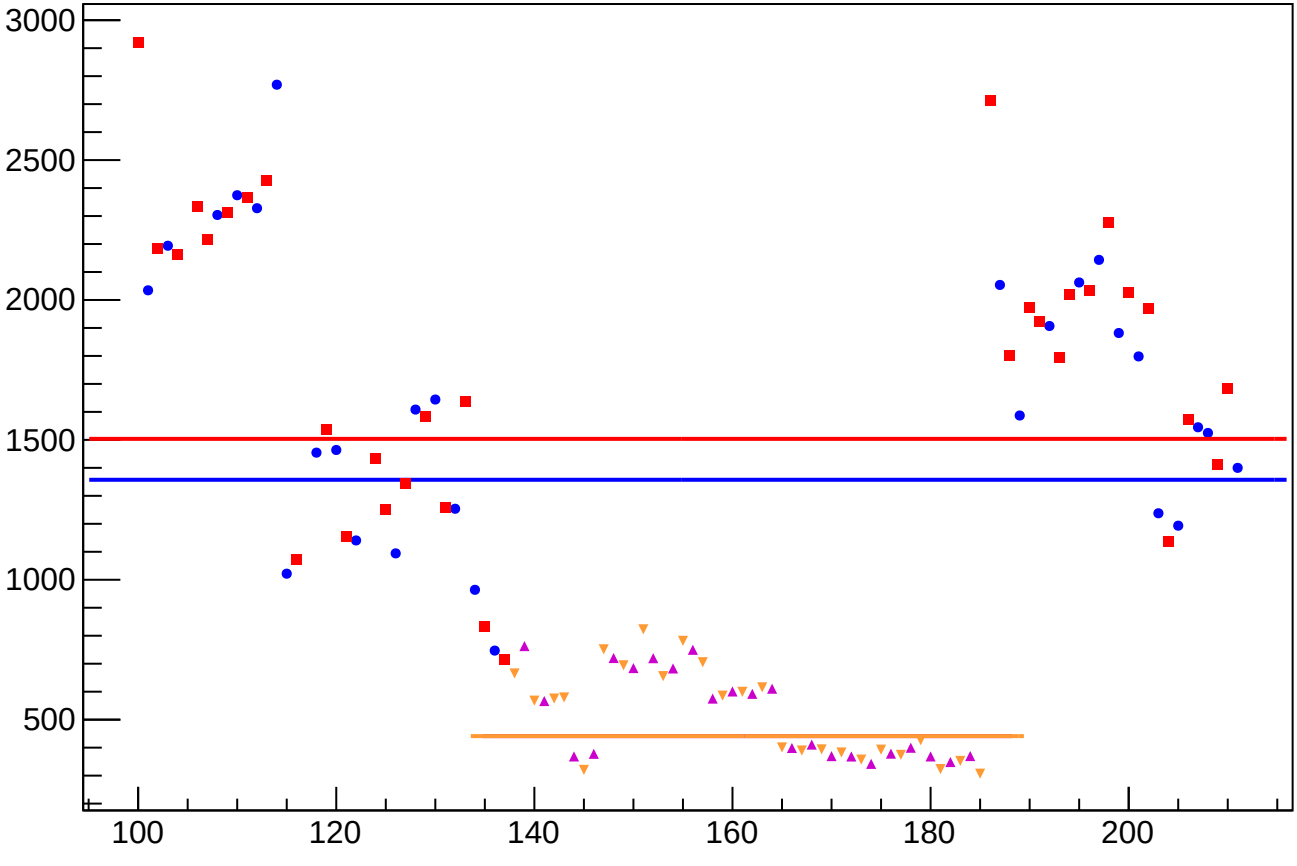
Right: -218.673+/-255.972 χ^2/NDF: 72.8/60

In: -94.250+/-102.971 χ^2/NDF:72.8/50

Out: -200.432+/-101.266 χ^2/NDF:90.2/57

All: -148.227+/-72.201 χ^2/NDF: 163.5/108

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1357.381+/-0.249 χ^2/NDF: 3280273.3/27

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1503.616+/-0.263 χ^2/NDF: 3318152.9/32

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

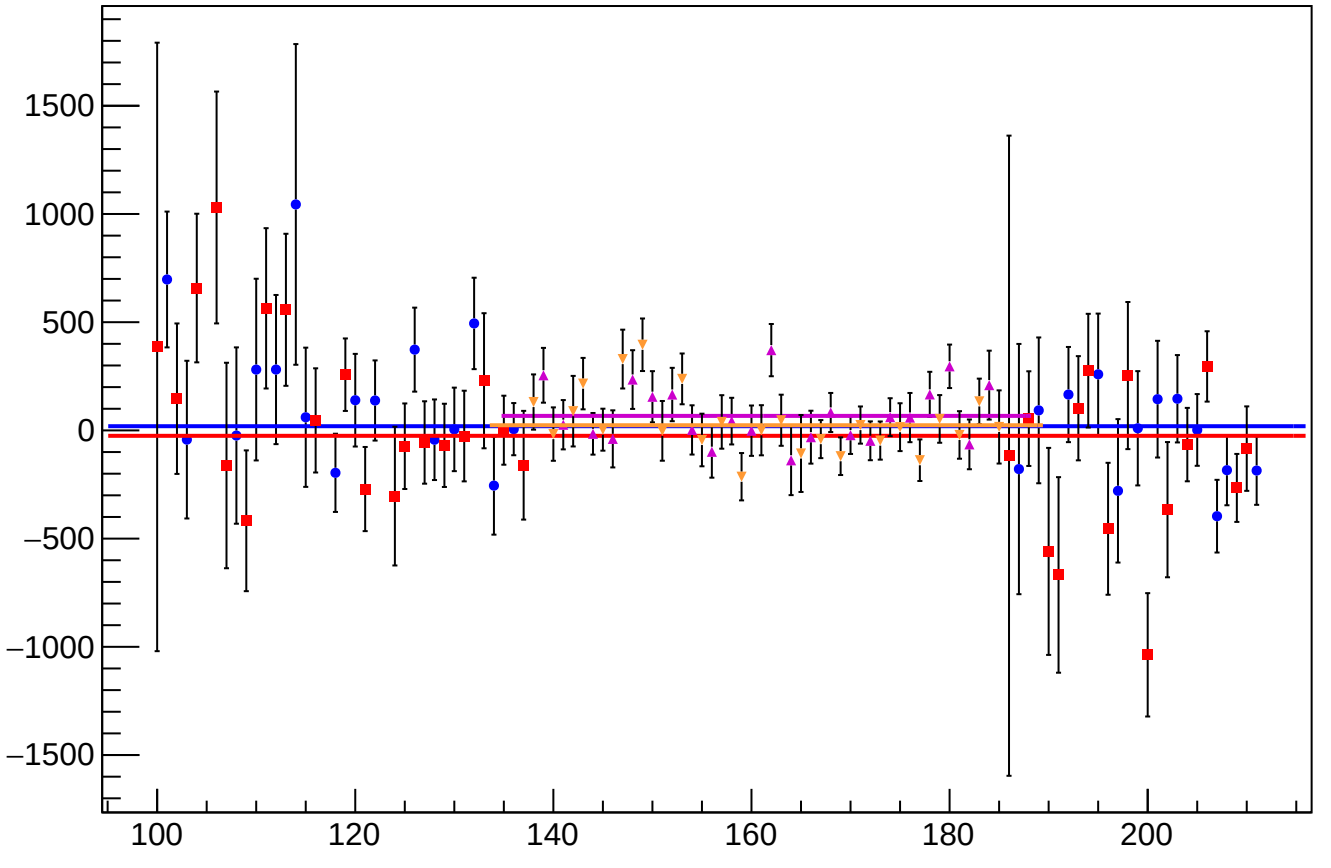
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1426.464+/-0.181 χ^2/NDF: 6761116.9/60

In: 519.417+/-0.073 χ^2/NDF:18326118.8/50

Out: 519.686+/-0.072 χ^2/NDF:21627644.9/57

All: 519.554+/-0.051 χ^2/NDF: 39953770.6/10



Right In: 19.396+/-41.501 χ^2/NDF: 31.9/27

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -25.030+/-42.587 χ^2/NDF: 49.2/32

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

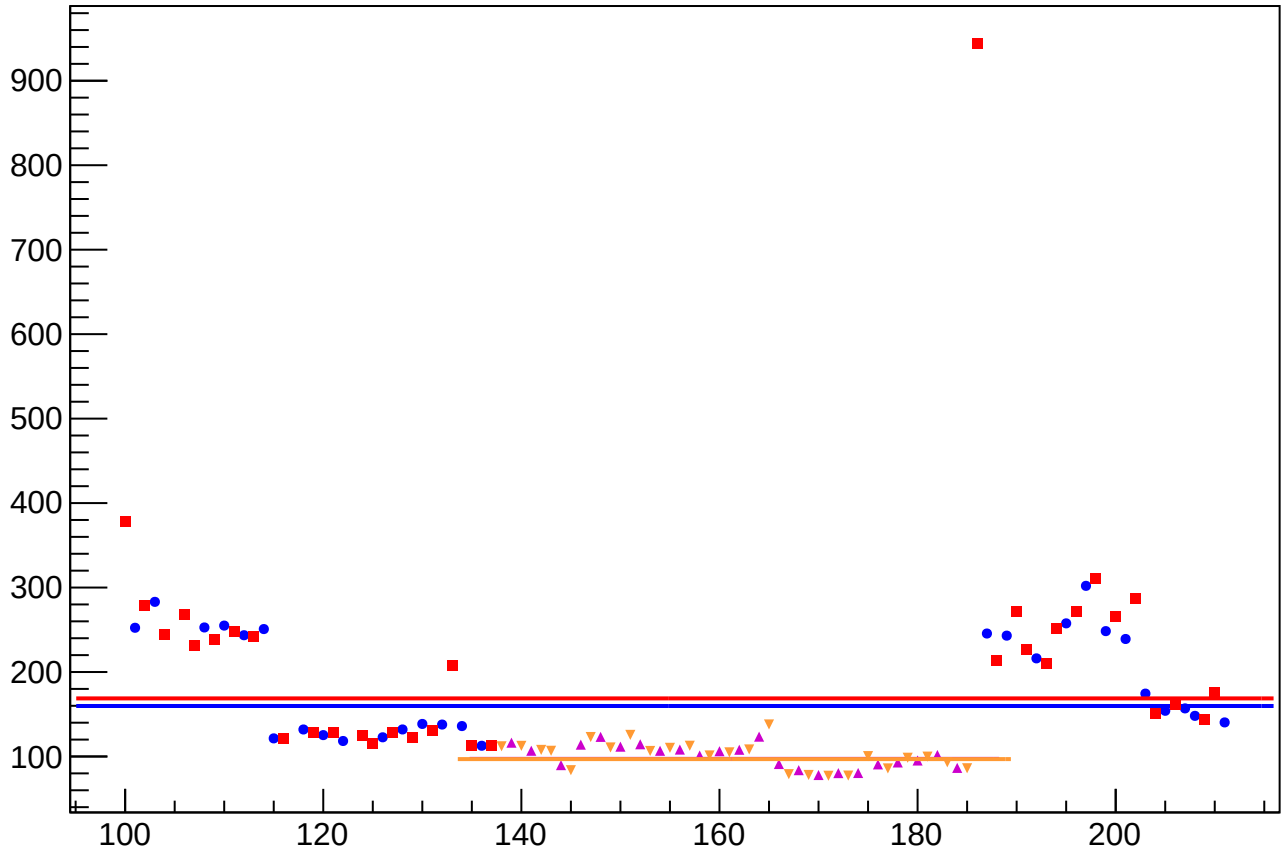
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -2.243+/-29.722 χ^2/NDF: 81.7/60

In: 55.790+/-20.198 χ^2/NDF:61.5/50

Out: 13.265+/-19.835 χ^2/NDF:85.4/57

All: 34.142+/-14.152 χ^2/NDF: 149.2/108



Right In: 159.778+/-0.029 χ^2/NDF: 2838884.9/27

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 168.768+/-0.030 χ^2/NDF: 4010274.7/32

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

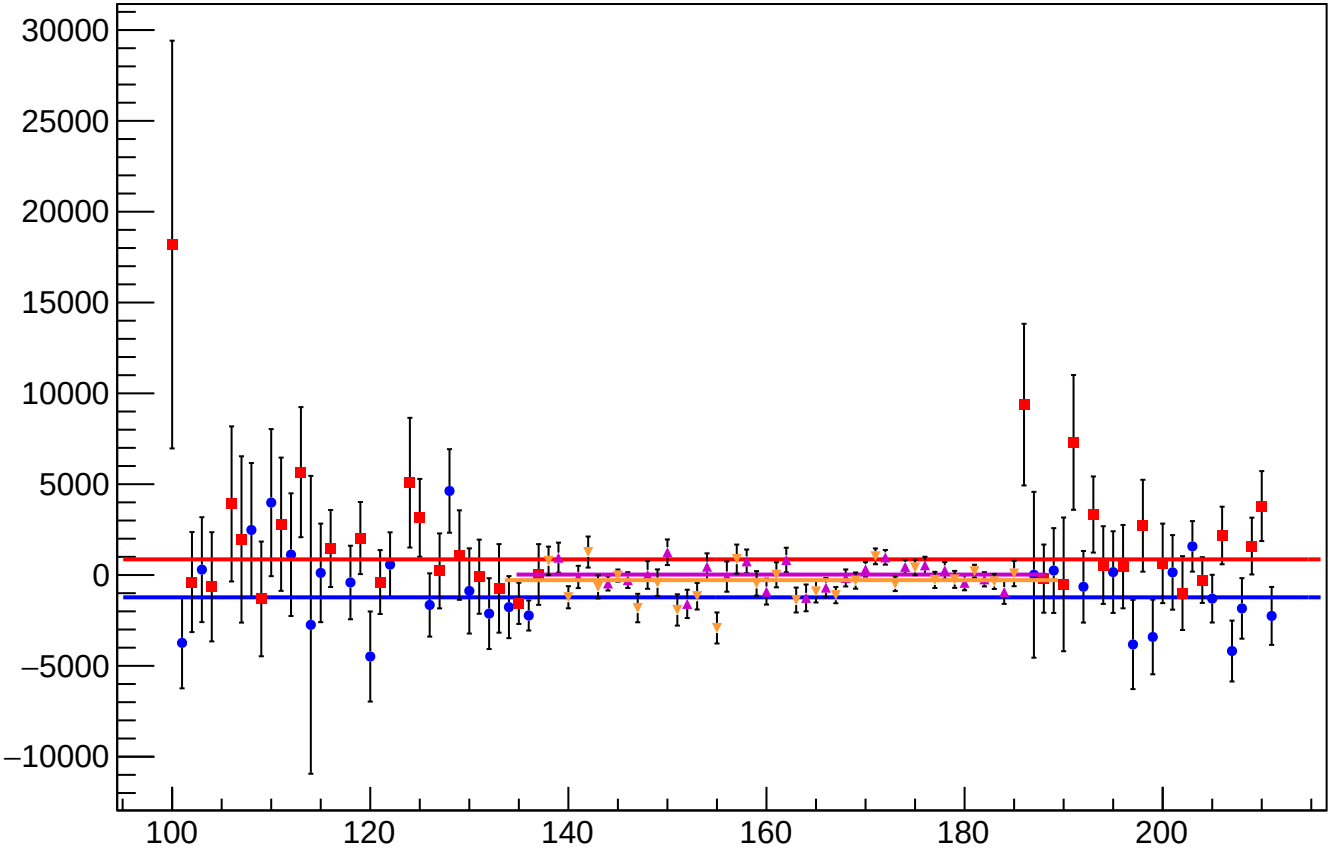
Right: 164.157+/-0.021 χ^2/NDF: 6894869.9/60

In: 111.997+/-0.014 χ^2/NDF:6987281.0/50

Out: 112.495+/-0.014 χ^2/NDF:9403527.8/57

All: 112.251+/-0.010 χ^2/NDF: 16391427.0/10

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1228.238+/-360.992 χ^2/NDF: 27.3/27

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 862.181+/-375.912 χ^2/NDF: 29.0/32

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

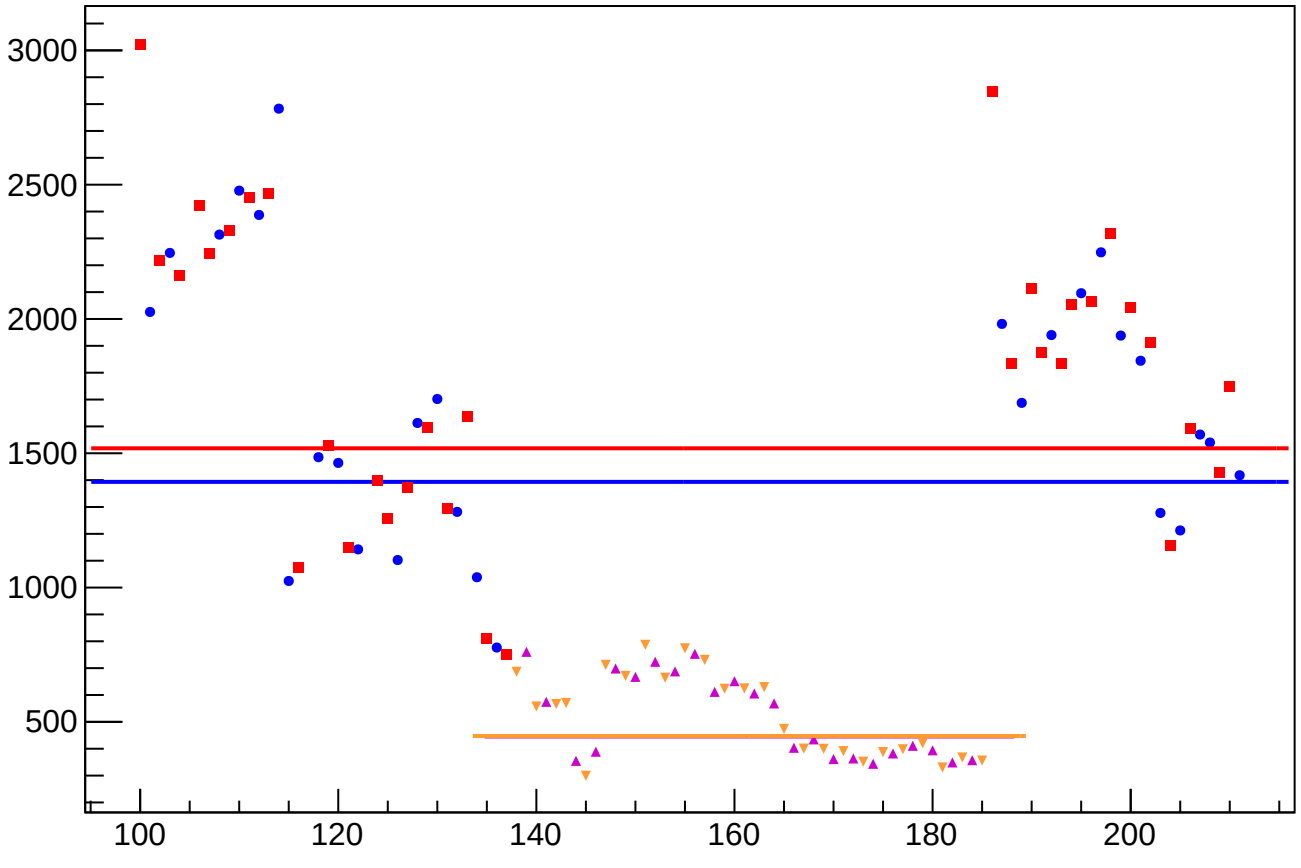
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -225.334+/-260.375 χ^2/NDF: 72.4/60

In: -79.851+/-104.245 χ^2/NDF:71.3/50

Out: -197.533+/-102.373 χ^2/NDF:88.0/57

All: -139.758+/-73.041 χ^2/NDF: 160.0/108



Right In: 1393.524+/-0.255 χ^2/NDF: 3178873.1/27

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1518.471+/-0.266 χ^2/NDF: 3428896.1/32

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

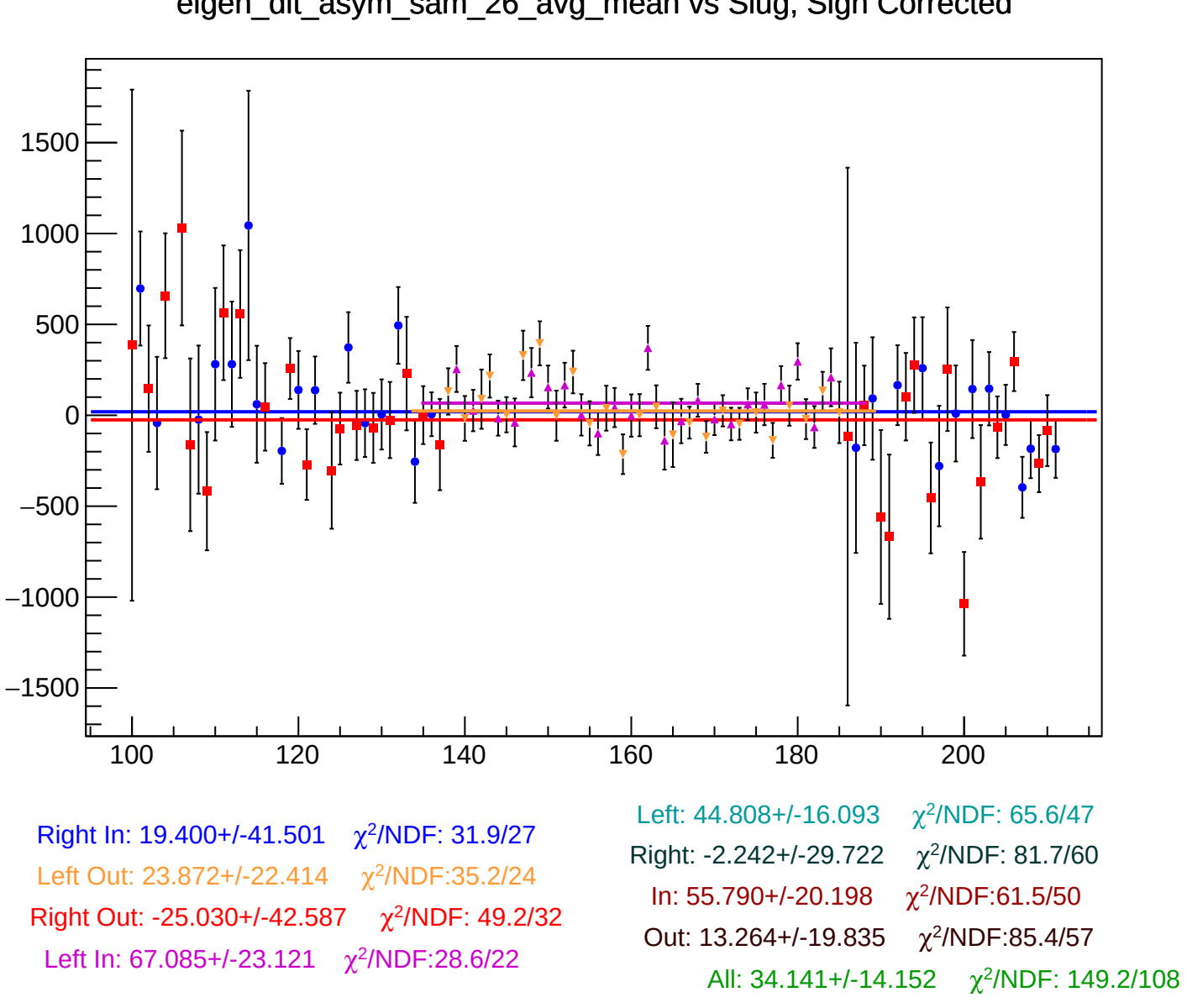
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

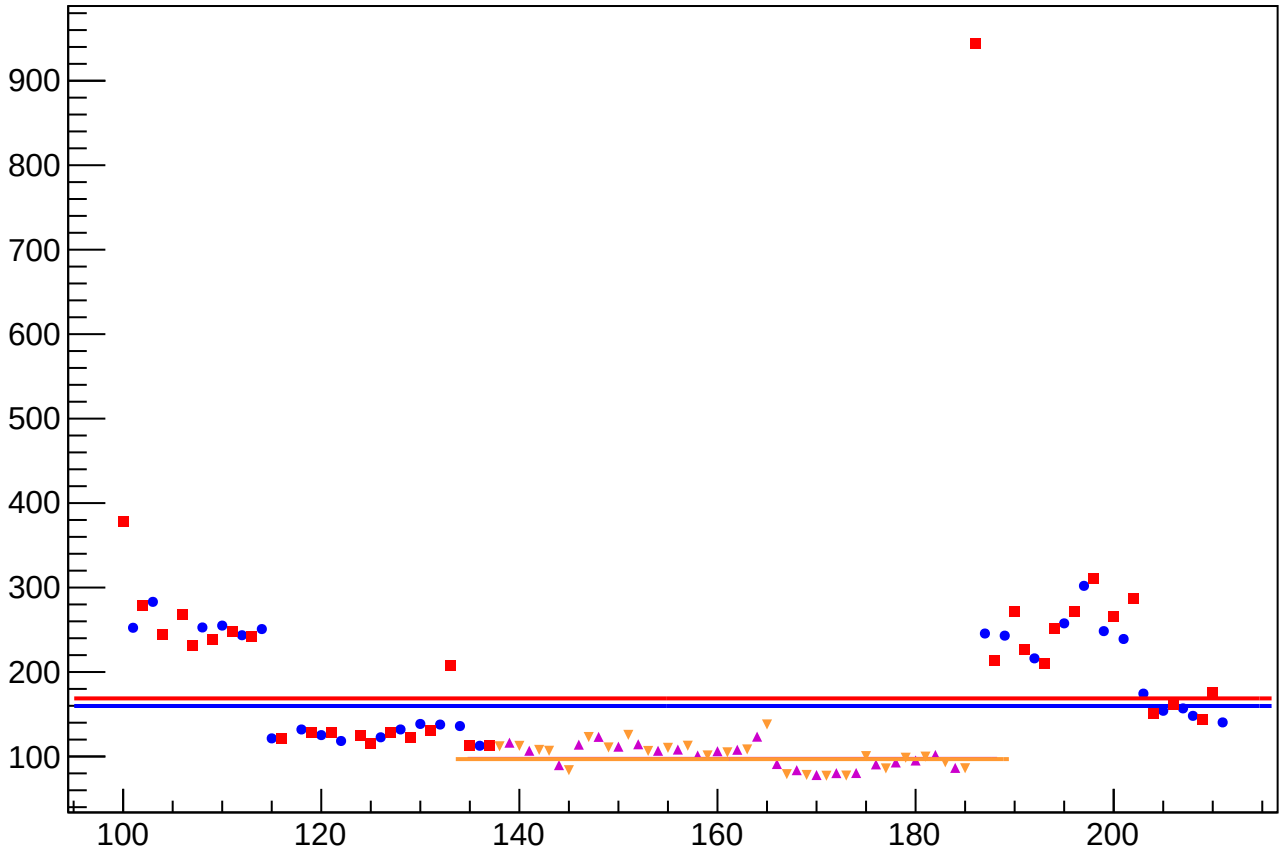
Right: 1453.469+/-0.184 χ^2/NDF: 6722720.9/60

In: 524.548+/-0.074 χ^2/NDF:18535624.9/50

Out: 526.823+/-0.072 χ^2/NDF:21659488.4/57

All: 525.706+/-0.052 χ^2/NDF: 40195598.2/10


eigen_dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 19.400+/-41.501 χ²/NDF: 31.9/27
Left Out: 23.872+/-22.414 χ²/NDF:35.2/24
Right Out: -25.030+/-42.587 χ²/NDF: 49.2/32
Left In: 67.085+/-23.121 χ²/NDF:28.6/22
Left: 44.808+/-16.093 χ²/NDF: 65.6/47
Right: -2.242+/-29.722 χ²/NDF: 81.7/60
In: 55.790+/-20.198 χ²/NDF:61.5/50
Out: 13.264+/-19.835 χ²/NDF:85.4/57
All: 34.141+/-14.152 χ²/NDF: 149.2/108



Right In: 159.777+/-0.029 χ^2/NDF: 2838893.2/27

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 168.767+/-0.030 χ^2/NDF: 4010276.1/32

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

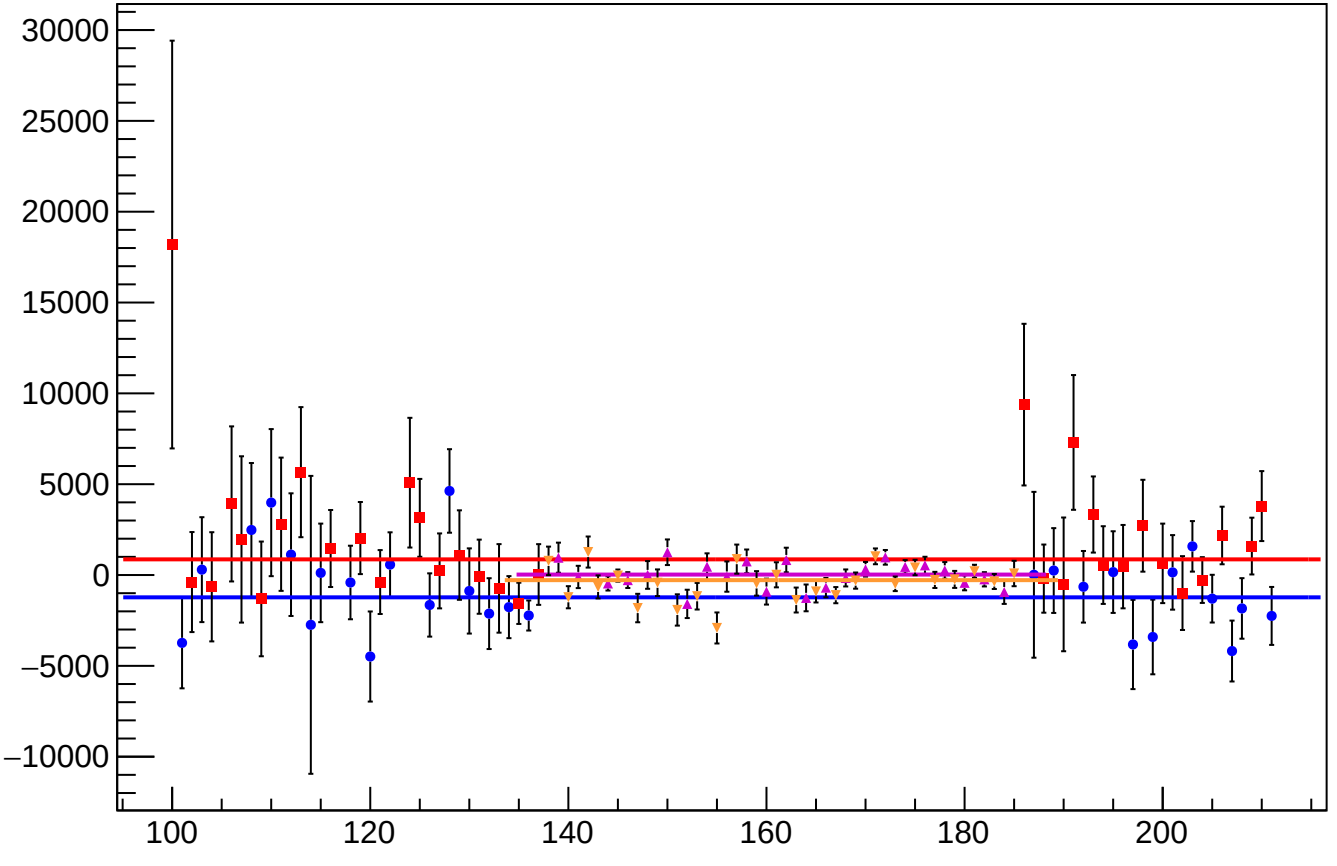
Right: 164.156+/-0.021 χ^2/NDF: 6894883.4/60

In: 111.998+/-0.014 χ^2/NDF:6987191.8/50

Out: 112.495+/-0.014 χ^2/NDF:9403474.0/57

All: 112.251+/-0.010 χ^2/NDF: 16391283.8/10

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1228.236+/-360.992 χ^2/NDF: 27.3/27

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 862.182+/-375.912 χ^2/NDF: 29.0/32

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

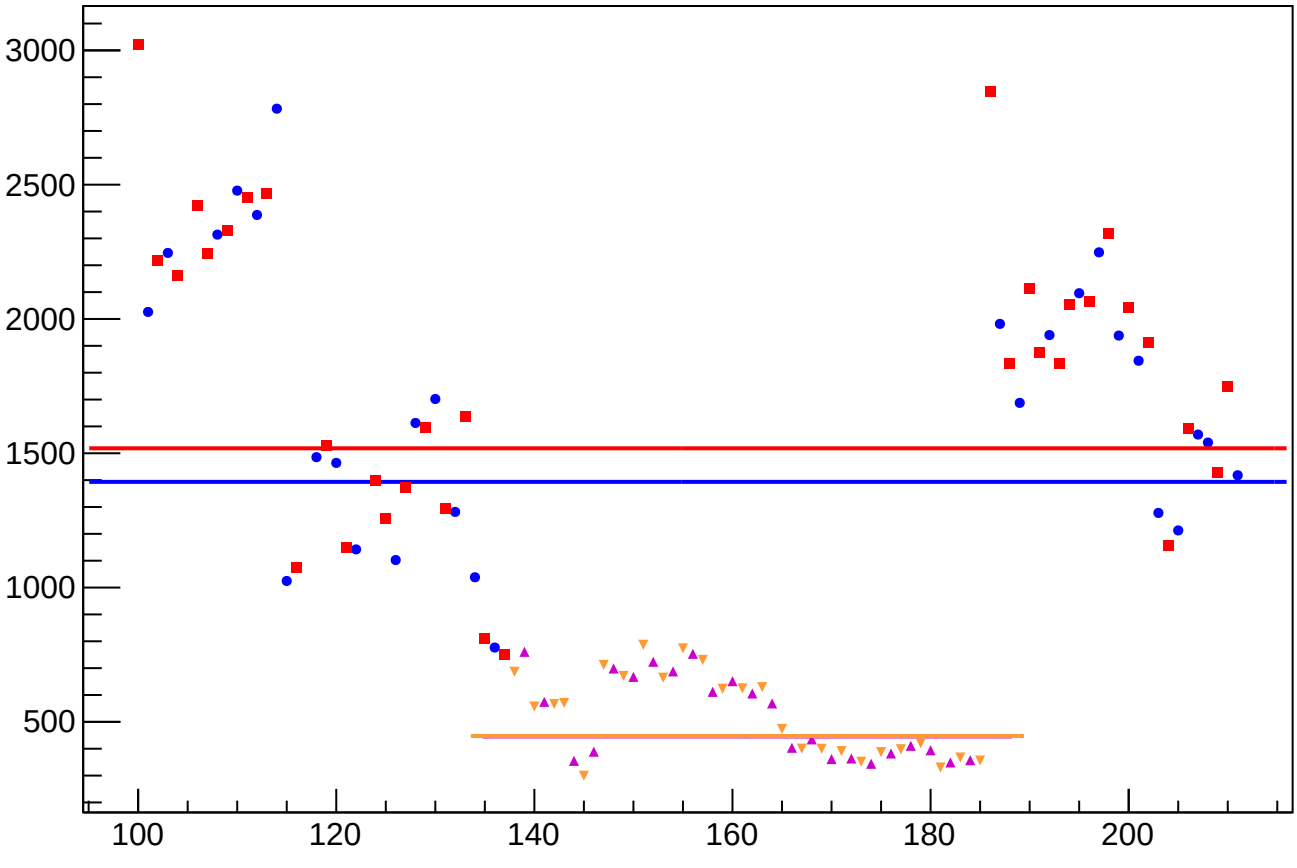
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -225.333+/-260.375 χ^2/NDF: 72.4/60

In: -79.850+/-104.245 χ^2/NDF:71.3/50

Out: -197.532+/-102.373 χ^2/NDF:88.0/57

All: -139.757+/-73.041 χ^2/NDF: 160.0/108



Right In: 1393.524+/-0.255 χ^2/NDF: 3178852.8/27

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1518.472+/-0.266 χ^2/NDF: 3428879.0/32

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

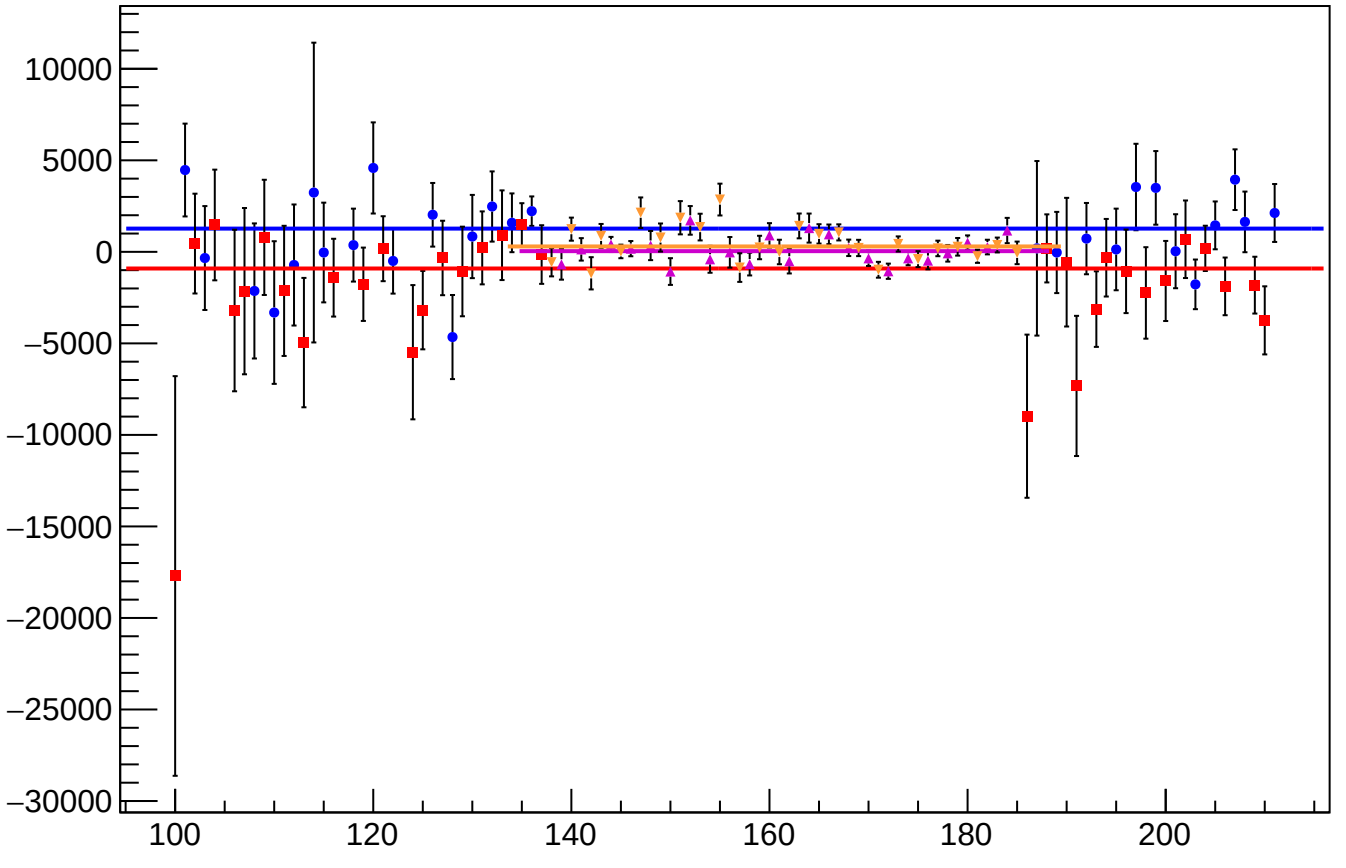
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1453.469+/-0.184 χ^2/NDF: 6722684.0/60

In: 524.547+/-0.074 χ^2/NDF:18535633.9/50

Out: 526.822+/-0.072 χ^2/NDF:21659520.1/57

All: 525.705+/-0.052 χ^2/NDF: 40195638.8/10



Right In: 1269.938+/-354.752 χ^2/NDF: 27.7/27

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -909.879+/-374.591 χ^2/NDF: 26.4/32

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

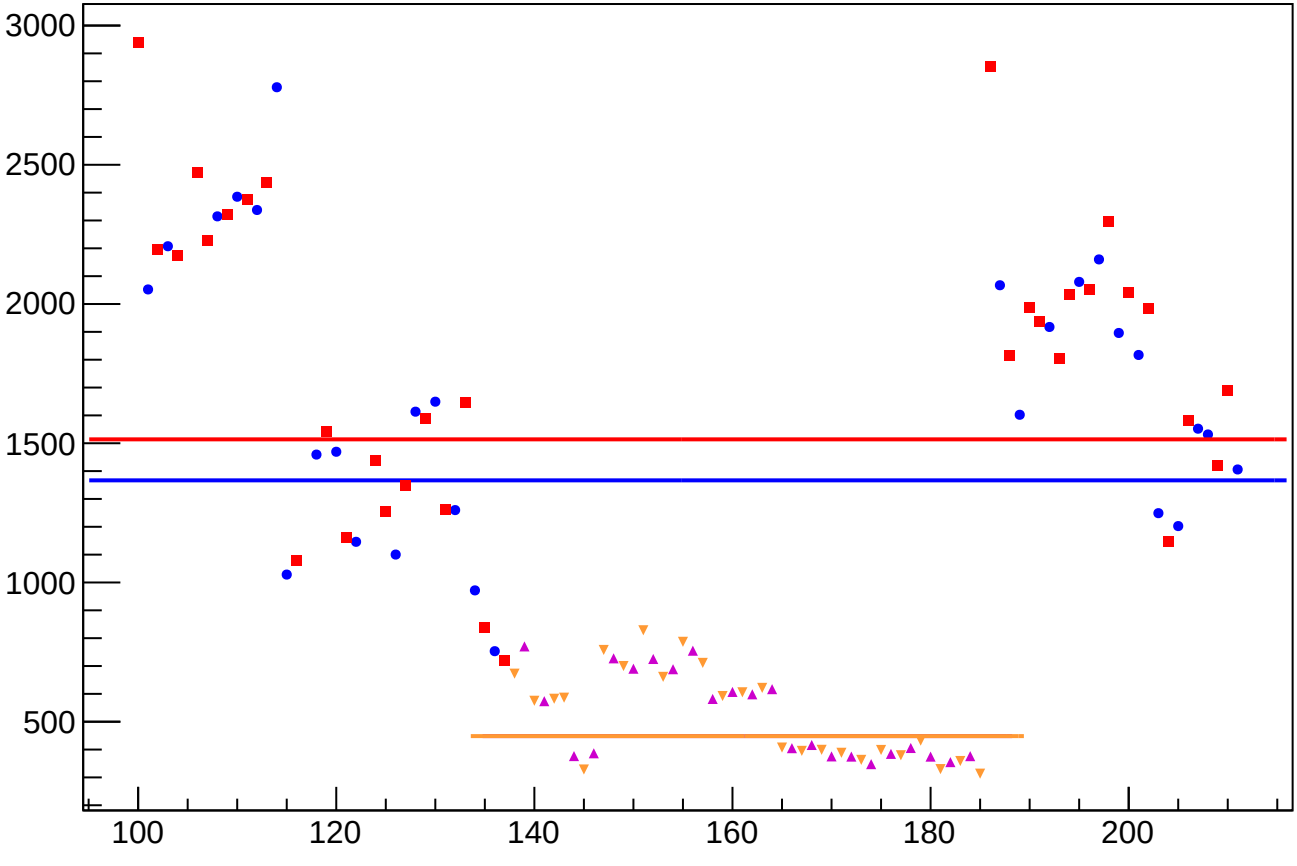
Right: 239.278+/-257.576 χ^2/NDF: 72.0/60

In: 144.931+/-104.468 χ^2/NDF:71.7/50

Out: 204.411+/-102.716 χ^2/NDF:86.5/57

All: 175.174+/-73.243 χ^2/NDF: 158.3/108

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1366.752+/-0.251 χ^2/NDF: 3268058.9/27

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1513.984+/-0.265 χ^2/NDF: 3365961.9/32

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

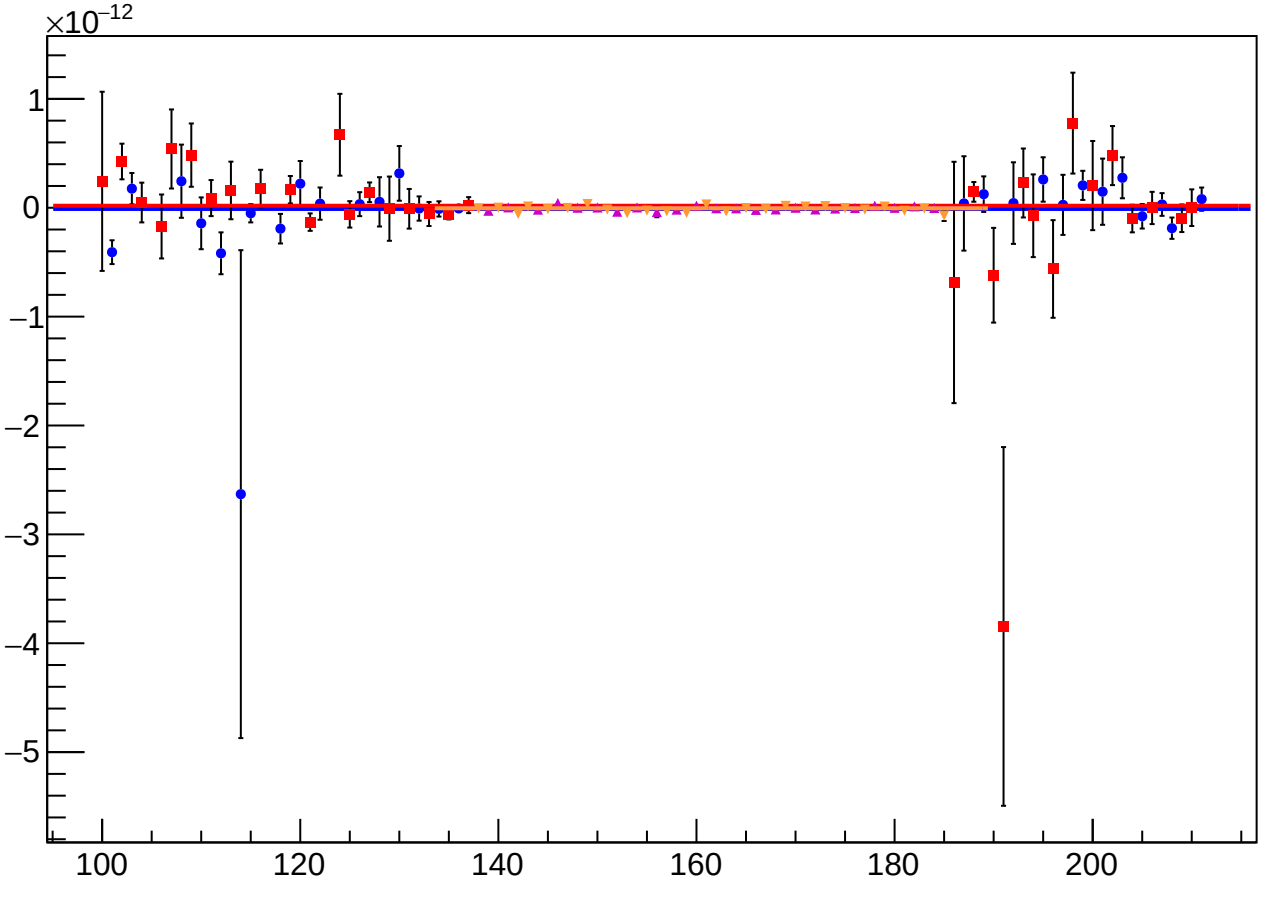
Right: 1436.366+/-0.182 χ^2/NDF: 6796906.1/60

In: 528.036+/-0.074 χ^2/NDF:18129487.9/50

Out: 528.409+/-0.073 χ^2/NDF:21493603.1/57

All: 528.226+/-0.052 χ^2/NDF: 39623103.9/10

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/32

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

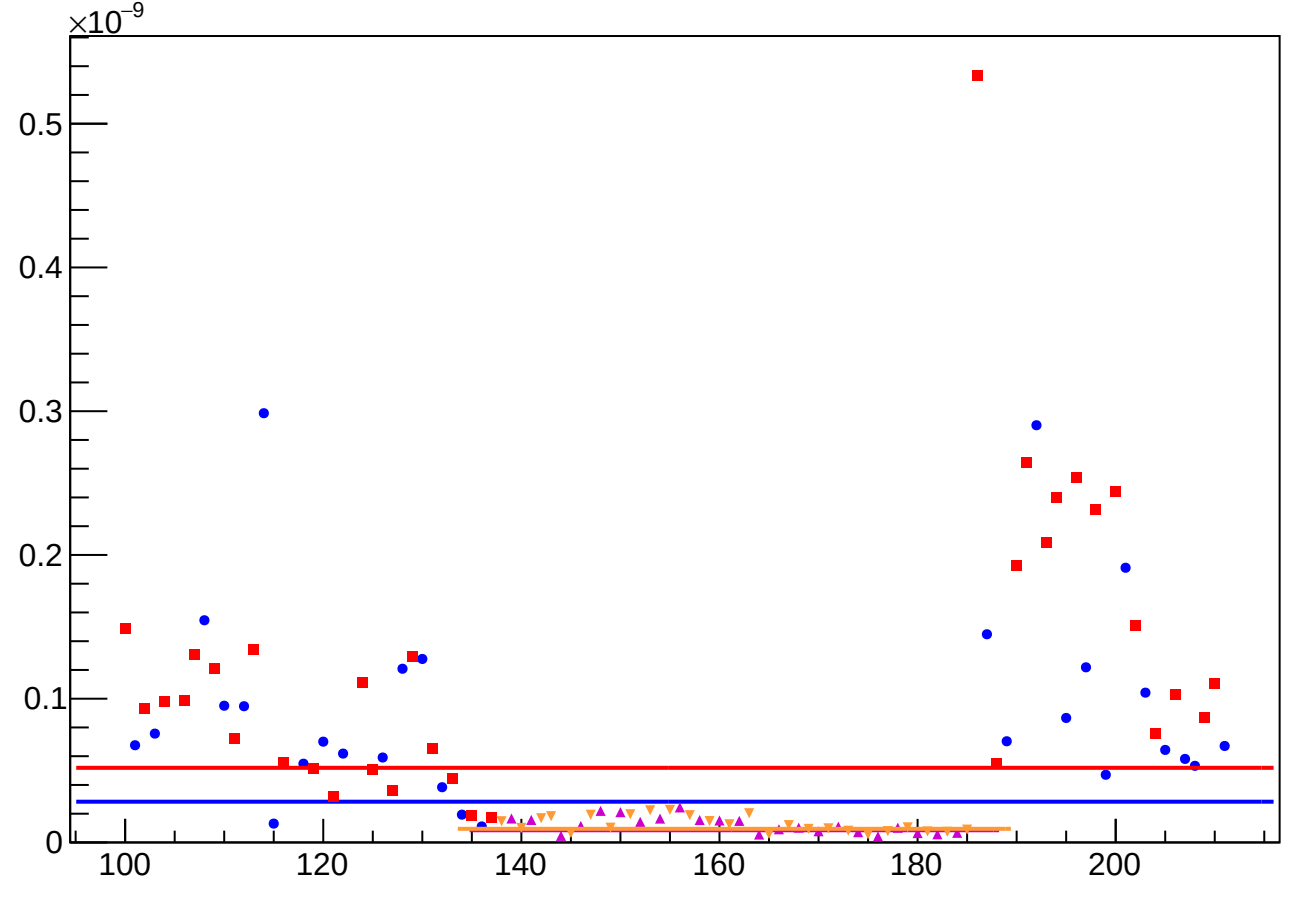
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 85.5/60

In: -0.000+/-0.000 χ^2/NDF:56.1/50

Out: -0.000+/-0.000 χ^2/NDF:69.4/57

All: -0.000+/-0.000 χ^2/NDF: 125.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 7068643.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6233740.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

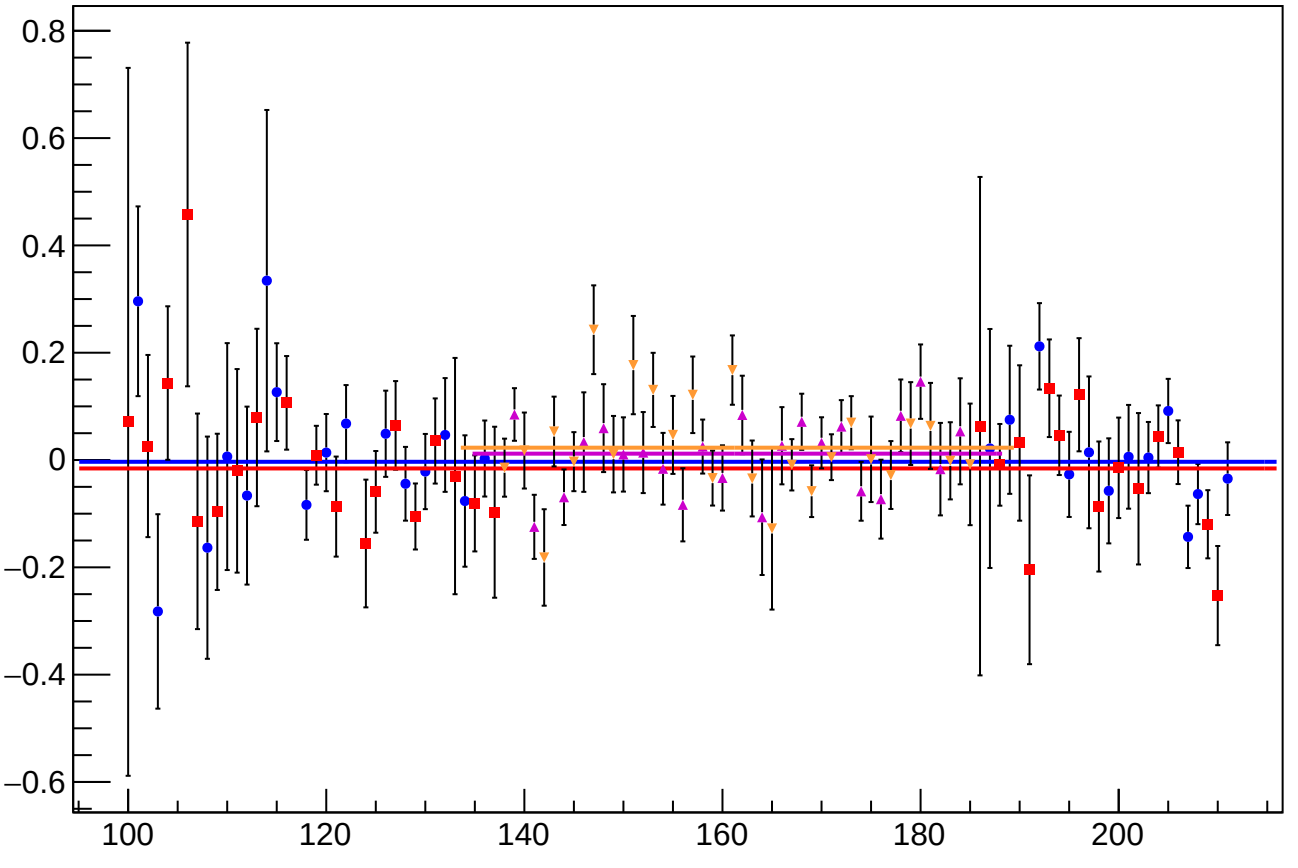
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14594634.6/60

In: 0.000+/-0.000 χ^2/NDF:12584493.0/50

Out: 0.000+/-0.000 χ^2/NDF:14607050.7/57

All: 0.000+/-0.000 χ^2/NDF: 27274711.5/108



Right In: -0.003+/-0.016 χ^2/NDF: 30.7/27

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.016+/-0.017 χ^2/NDF: 30.5/32

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

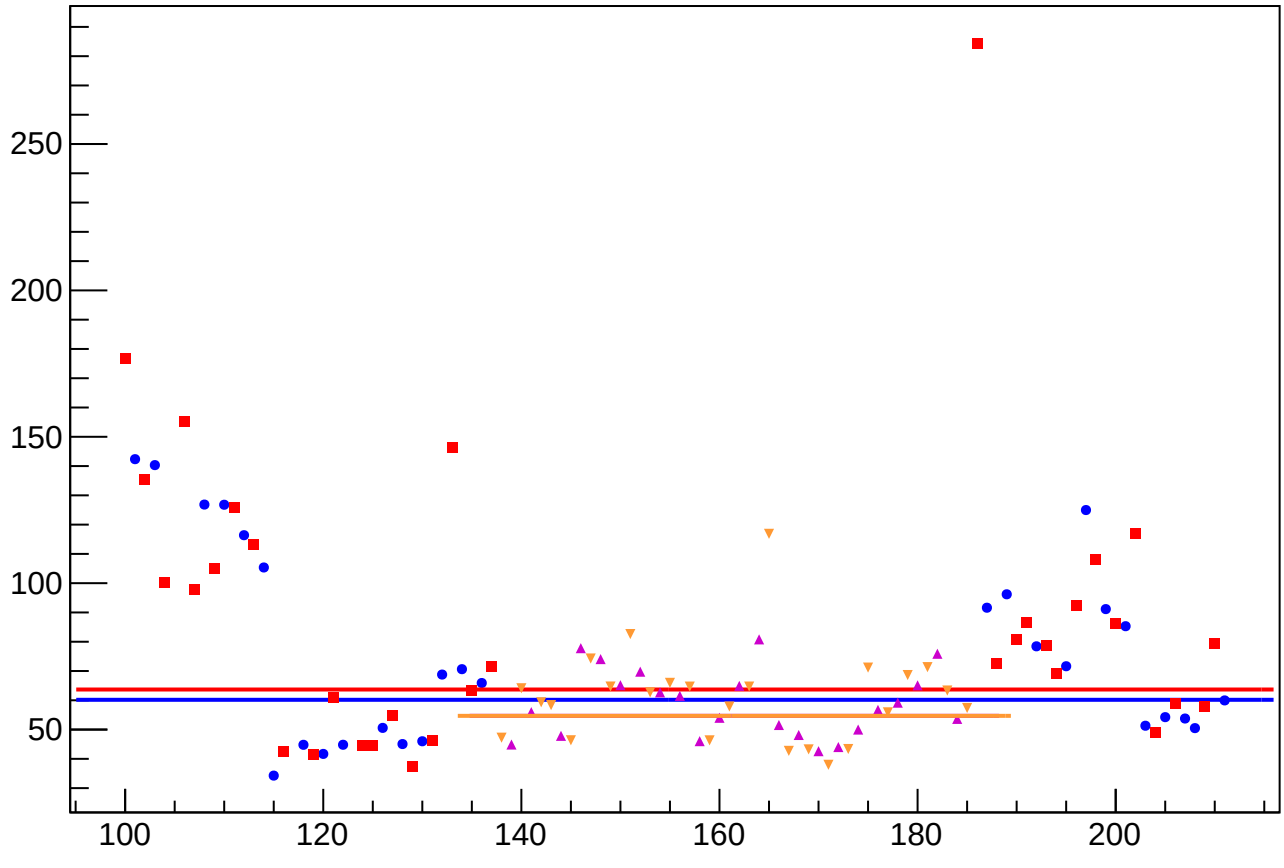
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.009+/-0.012 χ^2/NDF: 61.4/60

In: 0.006+/-0.010 χ^2/NDF:57.1/50

Out: 0.008+/-0.010 χ^2/NDF:68.0/57

All: 0.007+/-0.007 χ^2/NDF: 125.2/108



Right In: 60.166+/-0.011 χ^2/NDF: 3459132.8/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.683+/-0.012 χ^2/NDF: 4366641.8/32

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

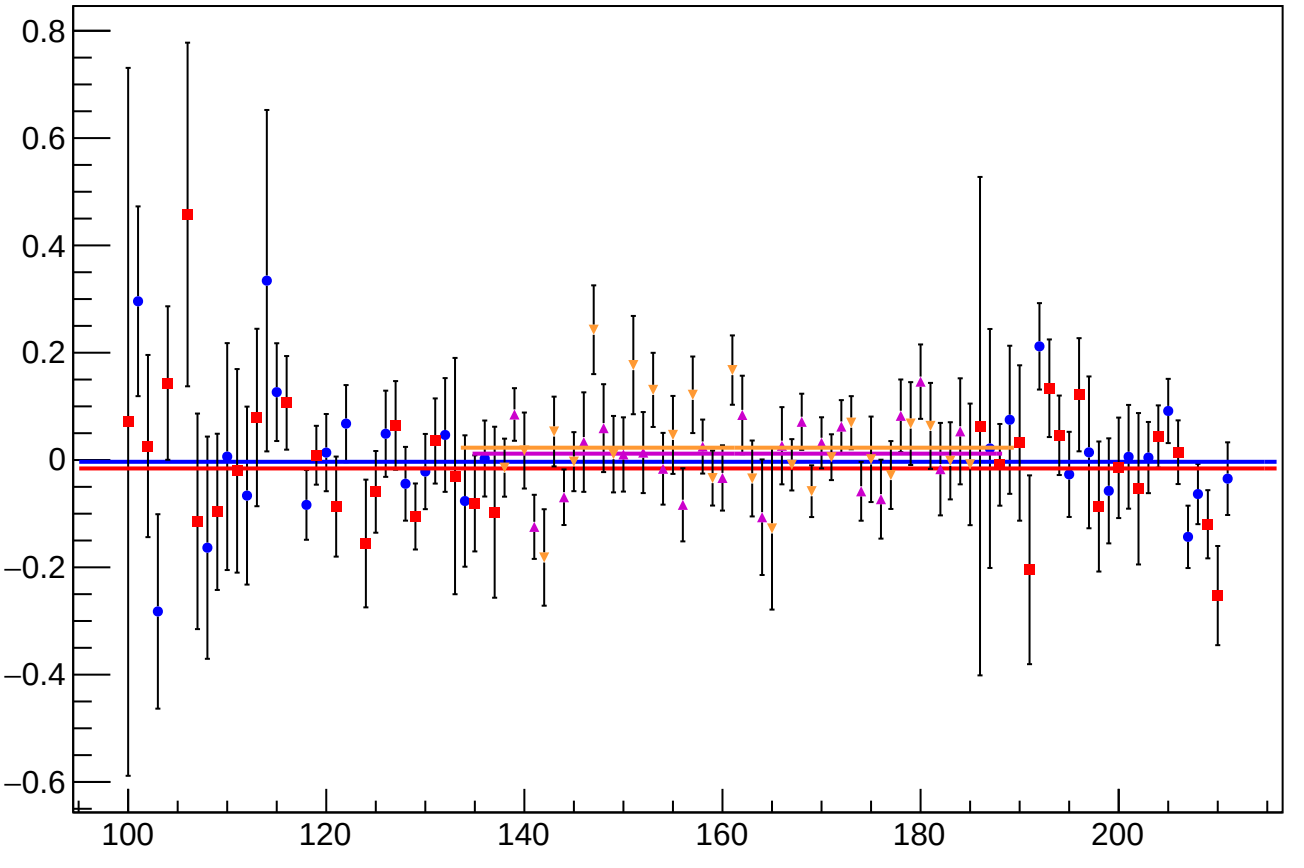
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.883+/-0.008 χ^2/NDF: 7871785.1/60

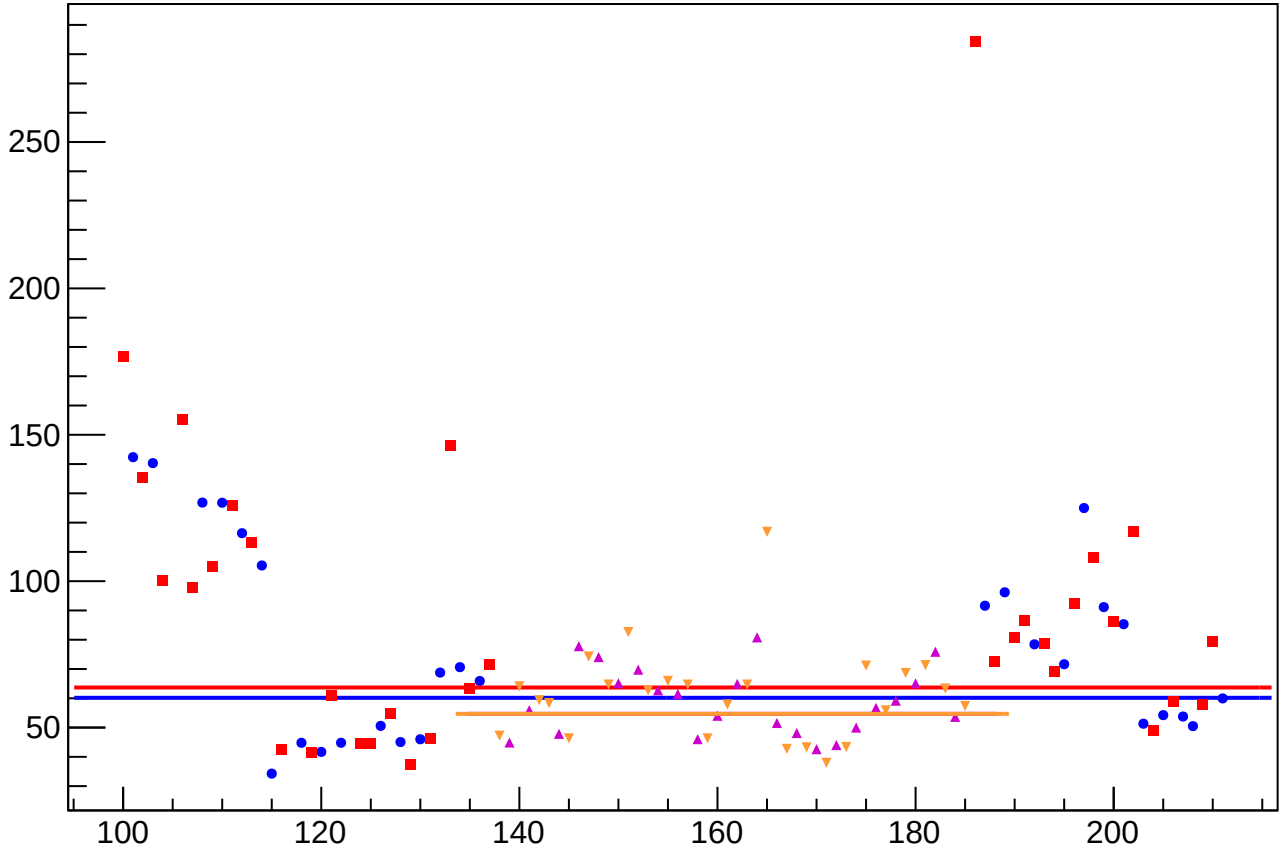
In: 56.885+/-0.007 χ^2/NDF:4786798.3/50

Out: 58.087+/-0.007 χ^2/NDF:6669261.4/57

All: 57.490+/-0.005 χ^2/NDF: 11469883.8/108


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.003+/-0.016 χ²/NDF: 30.7/27
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.016+/-0.017 χ²/NDF: 30.5/32
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: -0.009+/-0.012 χ²/NDF: 61.4/60
In: 0.006+/-0.010 χ²/NDF:57.1/50
Out: 0.008+/-0.010 χ²/NDF:68.0/57
All: 0.007+/-0.007 χ²/NDF: 125.2/108

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.166+/-0.011 χ^2/NDF: 3459132.8/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.683+/-0.012 χ^2/NDF: 4366641.8/32

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

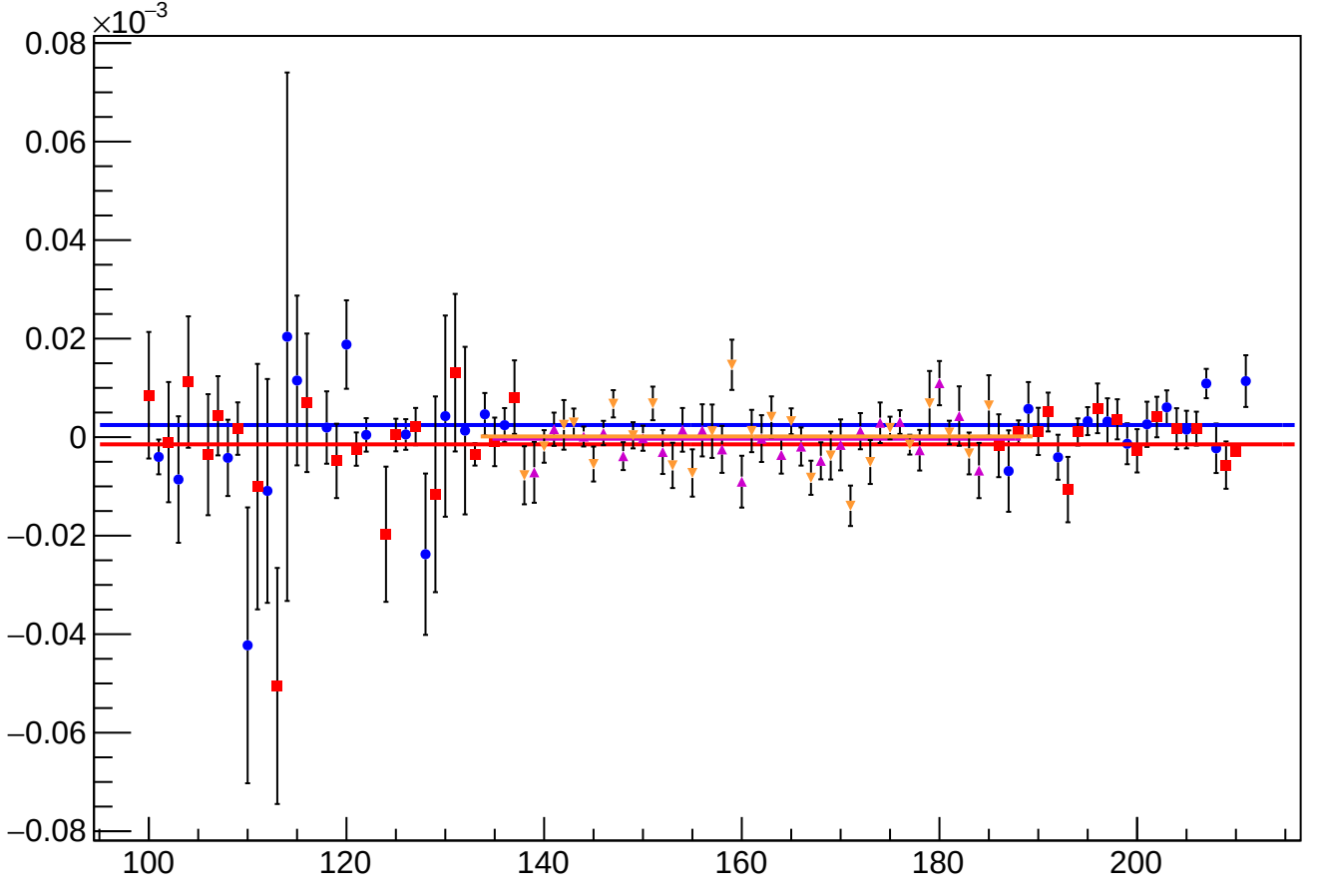
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.883+/-0.008 χ^2/NDF: 7871785.1/60

In: 56.885+/-0.007 χ^2/NDF:4786798.3/50

Out: 58.087+/-0.007 χ^2/NDF:6669261.4/57

All: 57.490+/-0.005 χ^2/NDF: 11469883.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/32

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

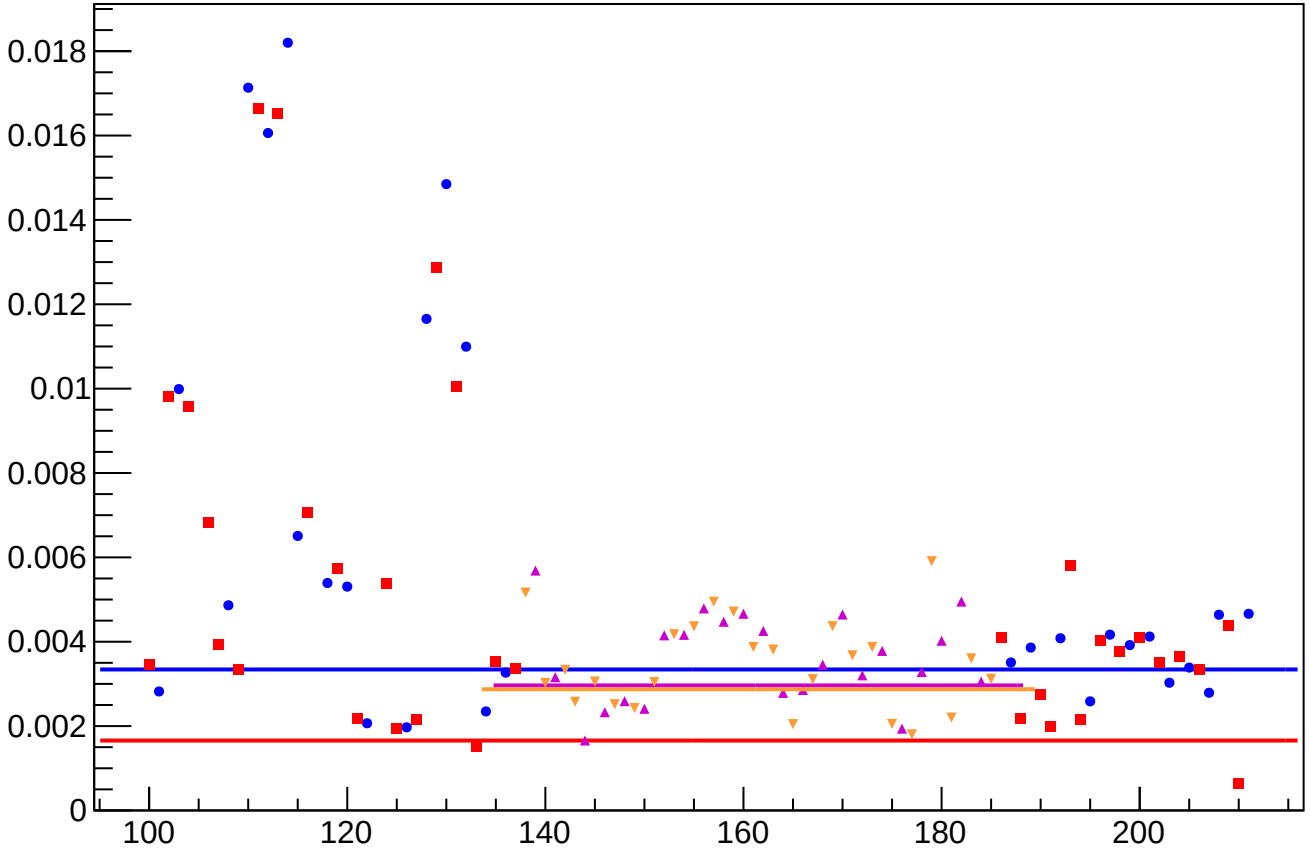
Right: -0.000+/-0.000 χ^2/NDF: 78.1/60

In: 0.000+/-0.000 χ^2/NDF:58.7/50

Out: -0.000+/-0.000 χ^2/NDF:89.2/57

All: -0.000+/-0.000 χ^2/NDF: 153.1/108

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5291442.0/27

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15289915.4/32

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

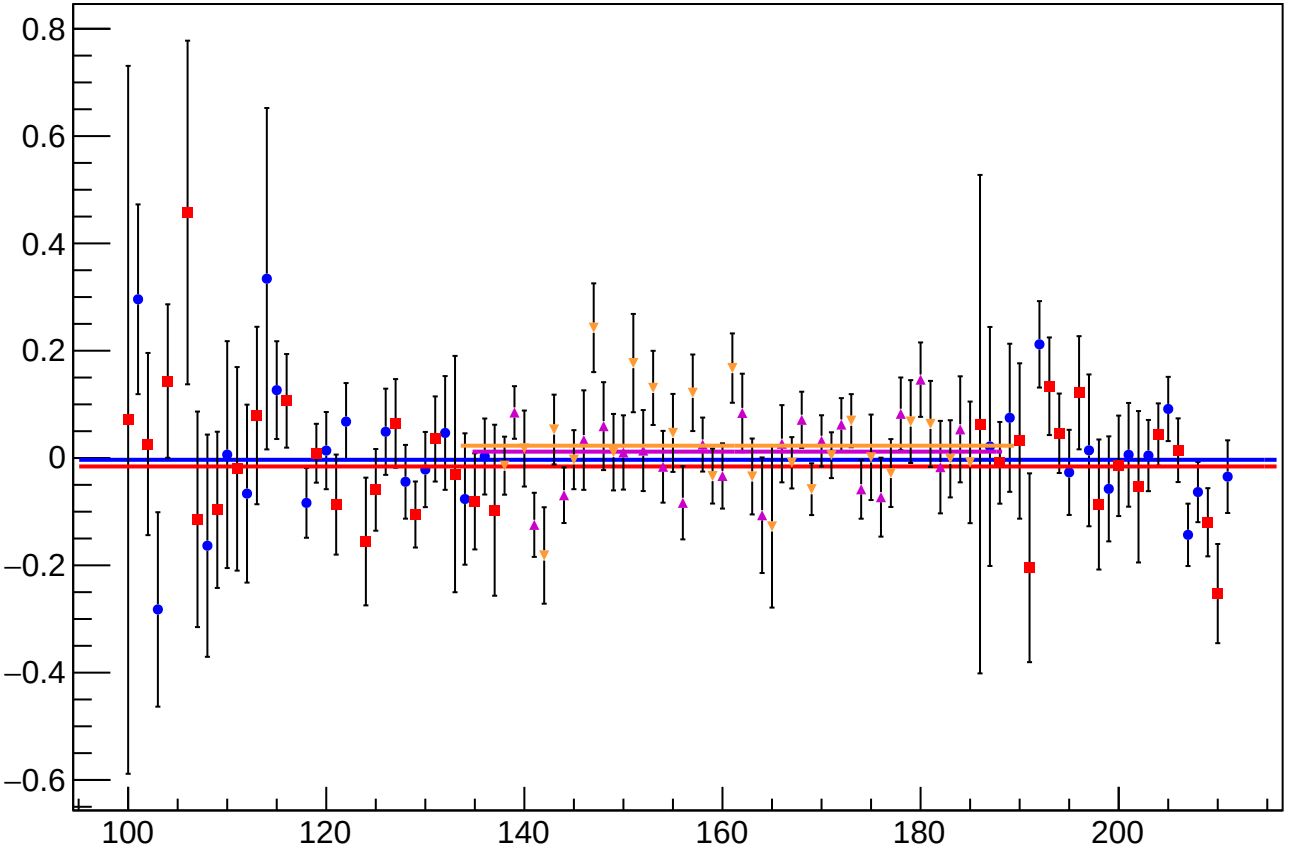
Right: 0.002+/-0.000 χ^2/NDF: 25559437.5/60

In: 0.003+/-0.000 χ^2/NDF:9114972.4/50

Out: 0.002+/-0.000 χ^2/NDF:22686360.4/57

All: 0.002+/-0.000 χ^2/NDF: 35556334.0/108

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 30.7/27

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.016+/-0.017 χ^2/NDF: 30.5/32

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

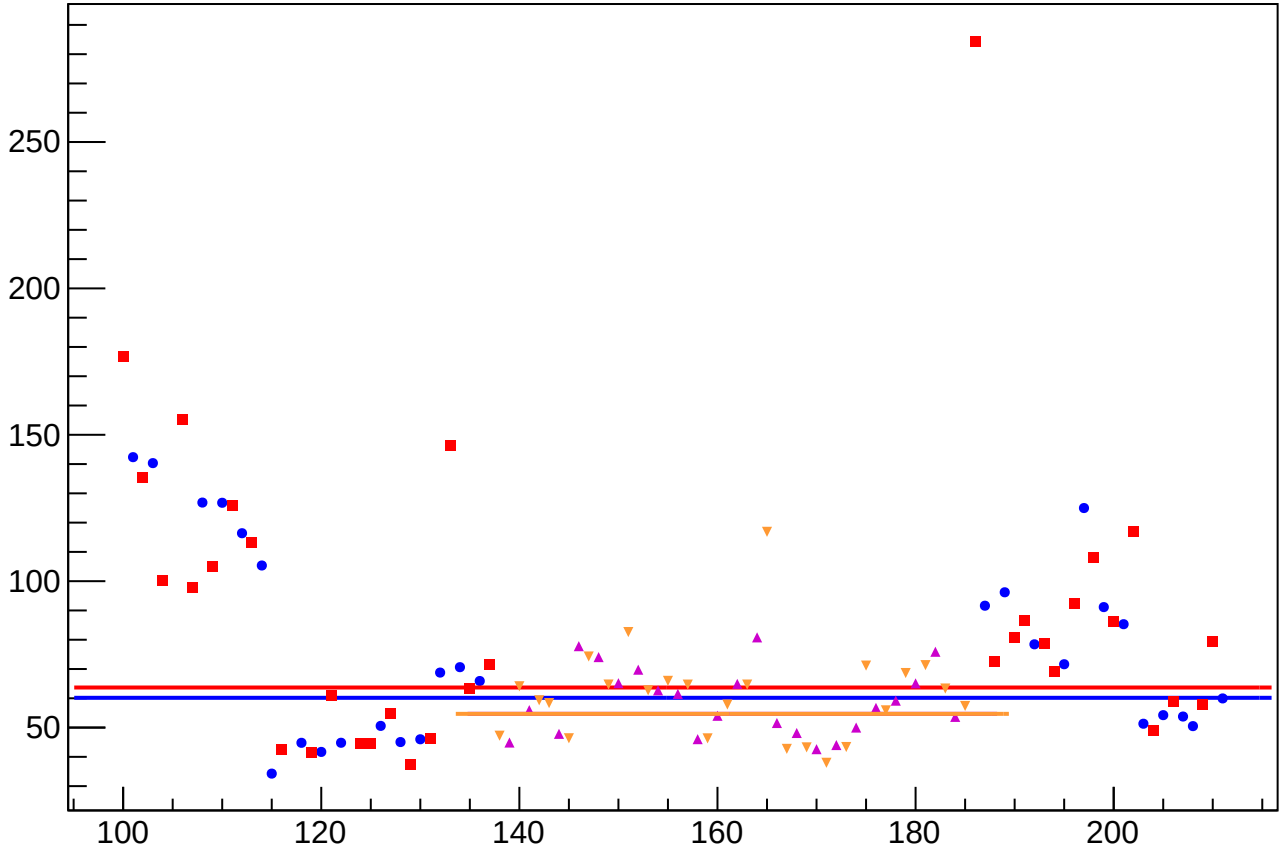
Right: -0.009+/-0.012 χ^2/NDF: 61.5/60

In: 0.006+/-0.010 χ^2/NDF:57.1/50

Out: 0.008+/-0.010 χ^2/NDF:68.1/57

All: 0.007+/-0.007 χ^2/NDF: 125.2/108

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.165+/-0.011 χ^2/NDF: 3459107.0/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.682+/-0.012 χ^2/NDF: 4366642.3/32

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

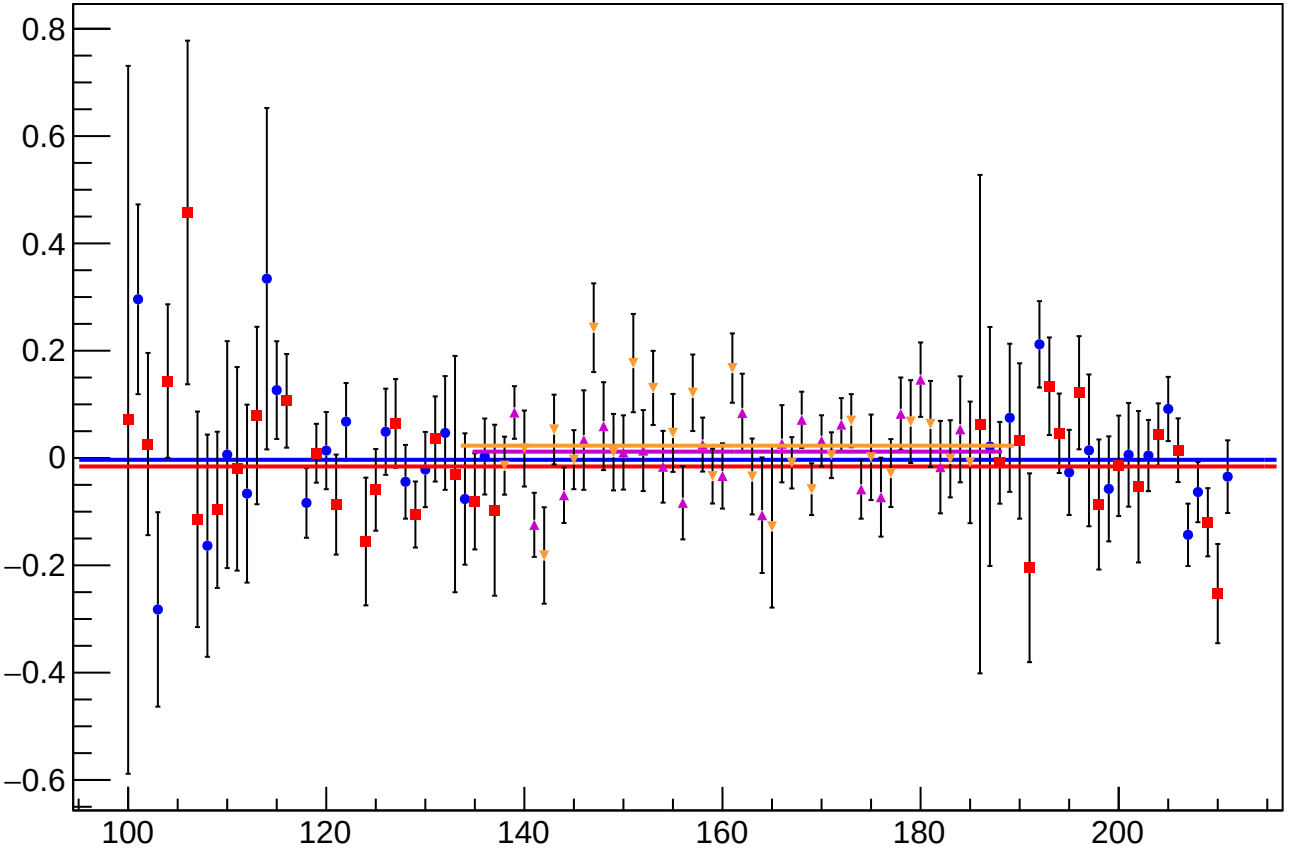
Right: 61.883+/-0.008 χ^2/NDF: 7871762.8/60

In: 56.885+/-0.007 χ^2/NDF:4786701.0/50

Out: 58.088+/-0.007 χ^2/NDF:6669210.0/57

All: 57.490+/-0.005 χ^2/NDF: 11469734.5/108

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.016 χ^2/NDF: 30.7/27

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.016+/-0.017 χ^2/NDF: 30.5/32

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

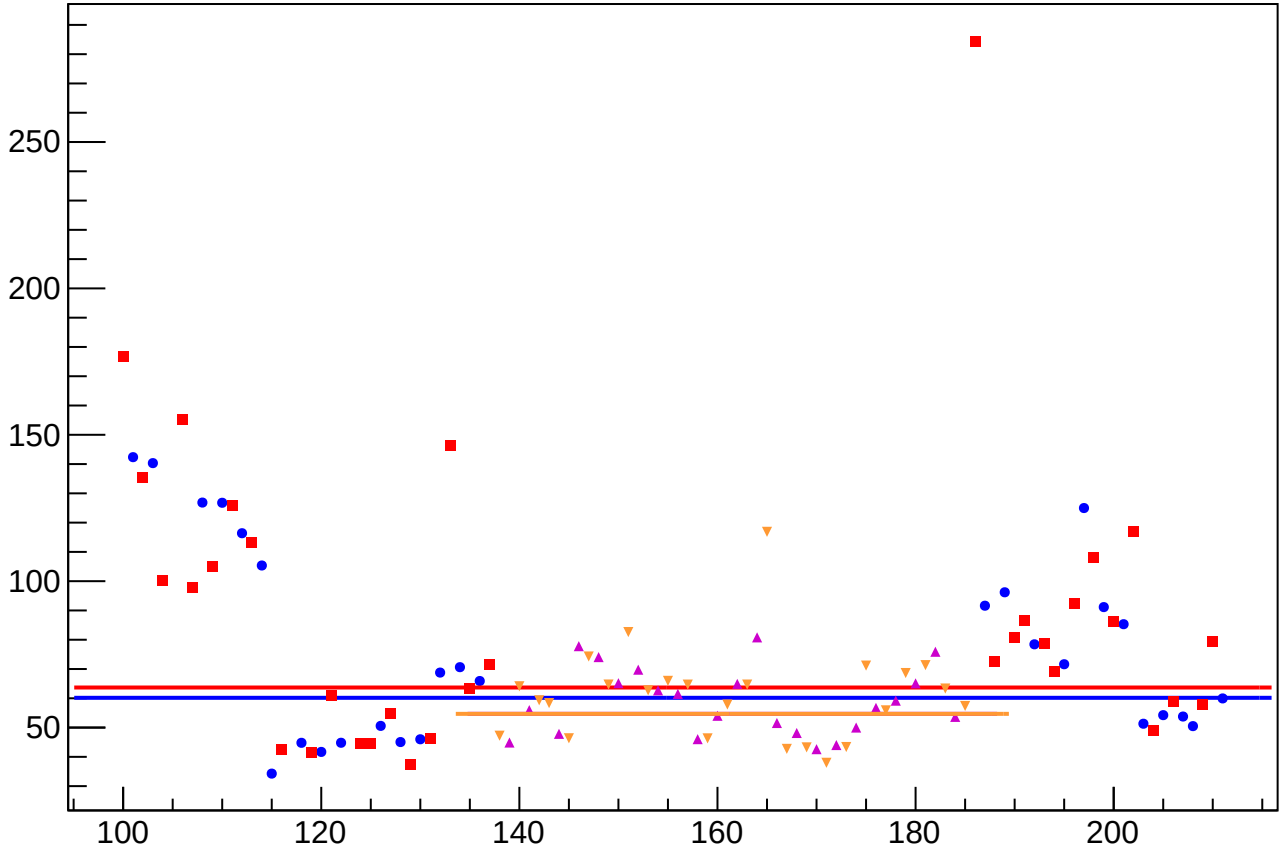
Right: -0.009+/-0.012 χ^2/NDF: 61.5/60

In: 0.006+/-0.010 χ^2/NDF:57.1/50

Out: 0.008+/-0.010 χ^2/NDF:68.1/57

All: 0.007+/-0.007 χ^2/NDF: 125.2/108

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.165+/-0.011 χ^2/NDF: 3459107.0/27

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.682+/-0.012 χ^2/NDF: 4366642.3/32

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

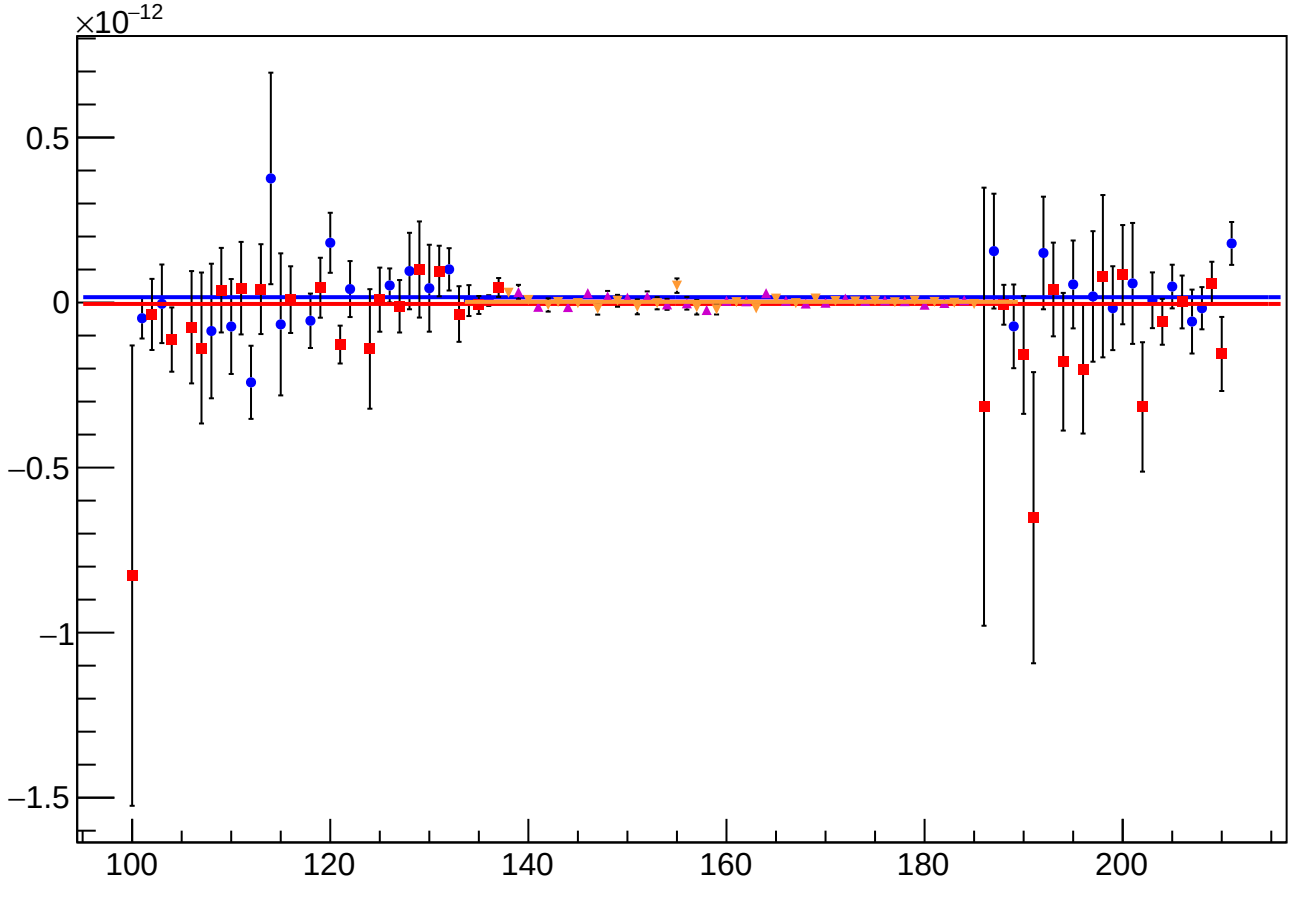
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 61.883+/-0.008 χ^2/NDF: 7871762.8/60

In: 56.885+/-0.007 χ^2/NDF:4786701.0/50

Out: 58.088+/-0.007 χ^2/NDF:6669210.0/57

All: 57.490+/-0.005 χ^2/NDF: 11469734.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/32

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

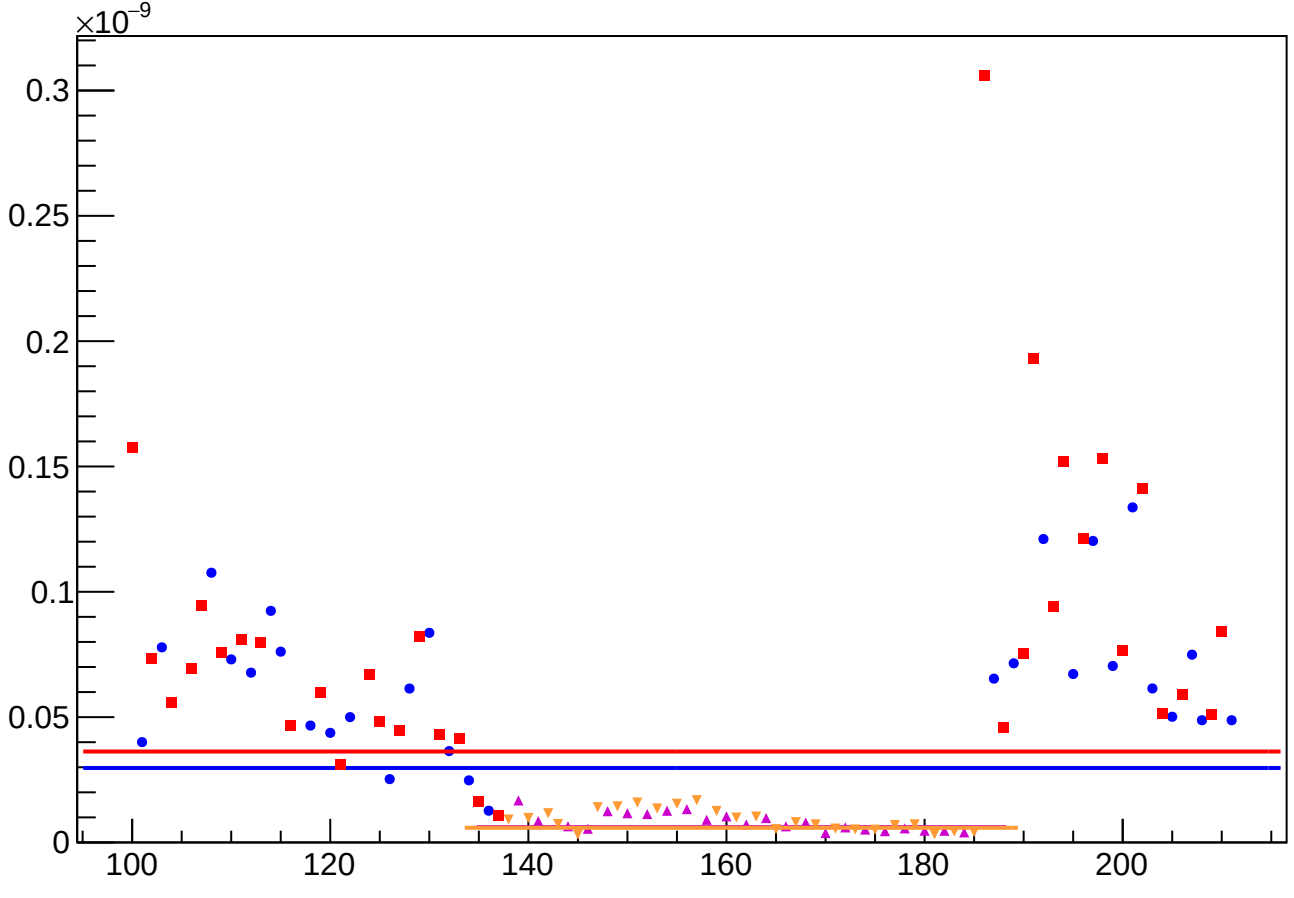
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.2/60

In: 0.000+/-0.000 χ^2/NDF:59.5/50

Out: 0.000+/-0.000 χ^2/NDF:46.7/57

All: 0.000+/-0.000 χ^2/NDF: 106.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 7833001.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8310808.5/32

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

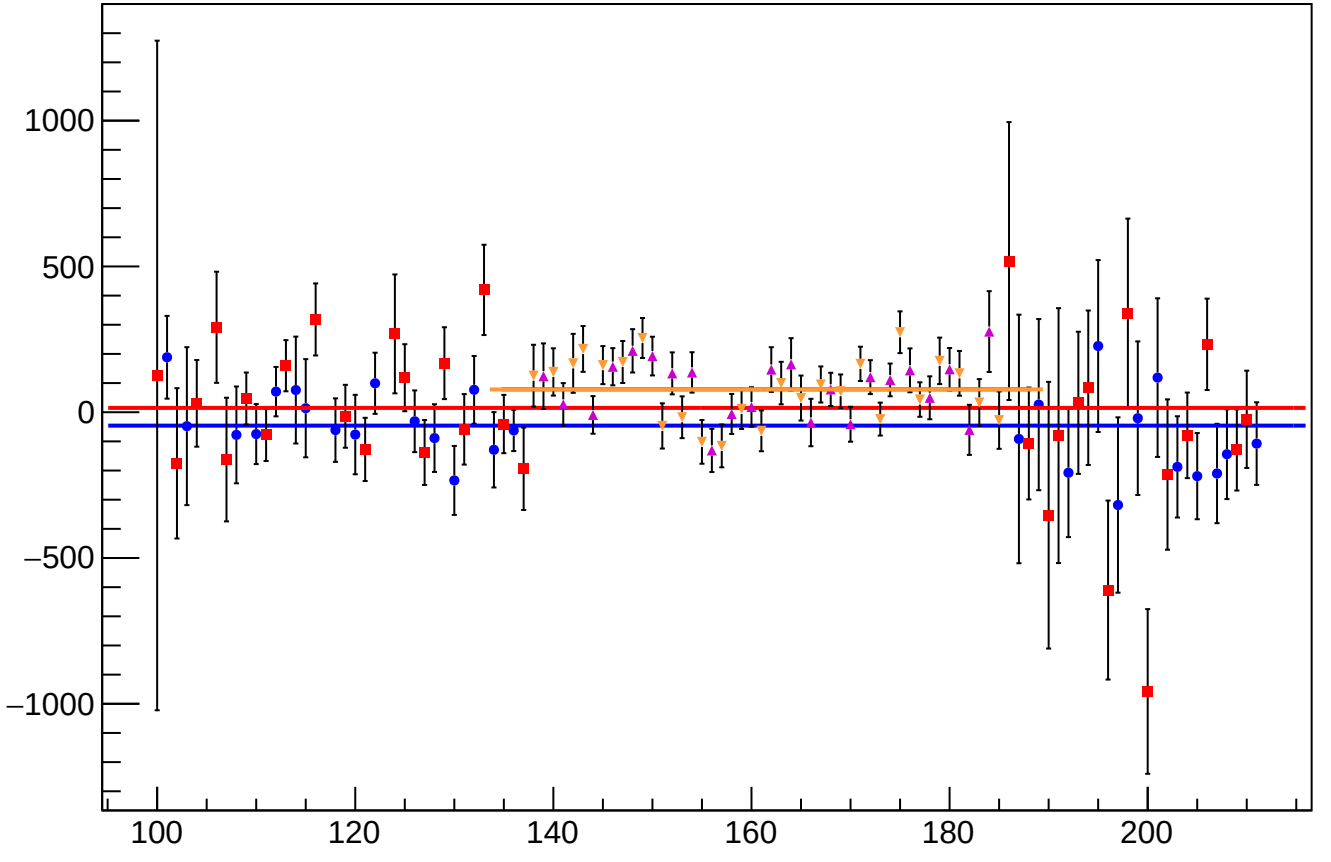
Right: 0.000+/-0.000 χ^2/NDF: 16408260.2/60

In: 0.000+/-0.000 χ^2/NDF:18965434.1/50

Out: 0.000+/-0.000 χ^2/NDF:23560312.1/57

All: 0.000+/-0.000 χ^2/NDF: 42556659.5/108

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -45.956+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.853+/-25.564 χ^2/NDF: 54.2/32

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

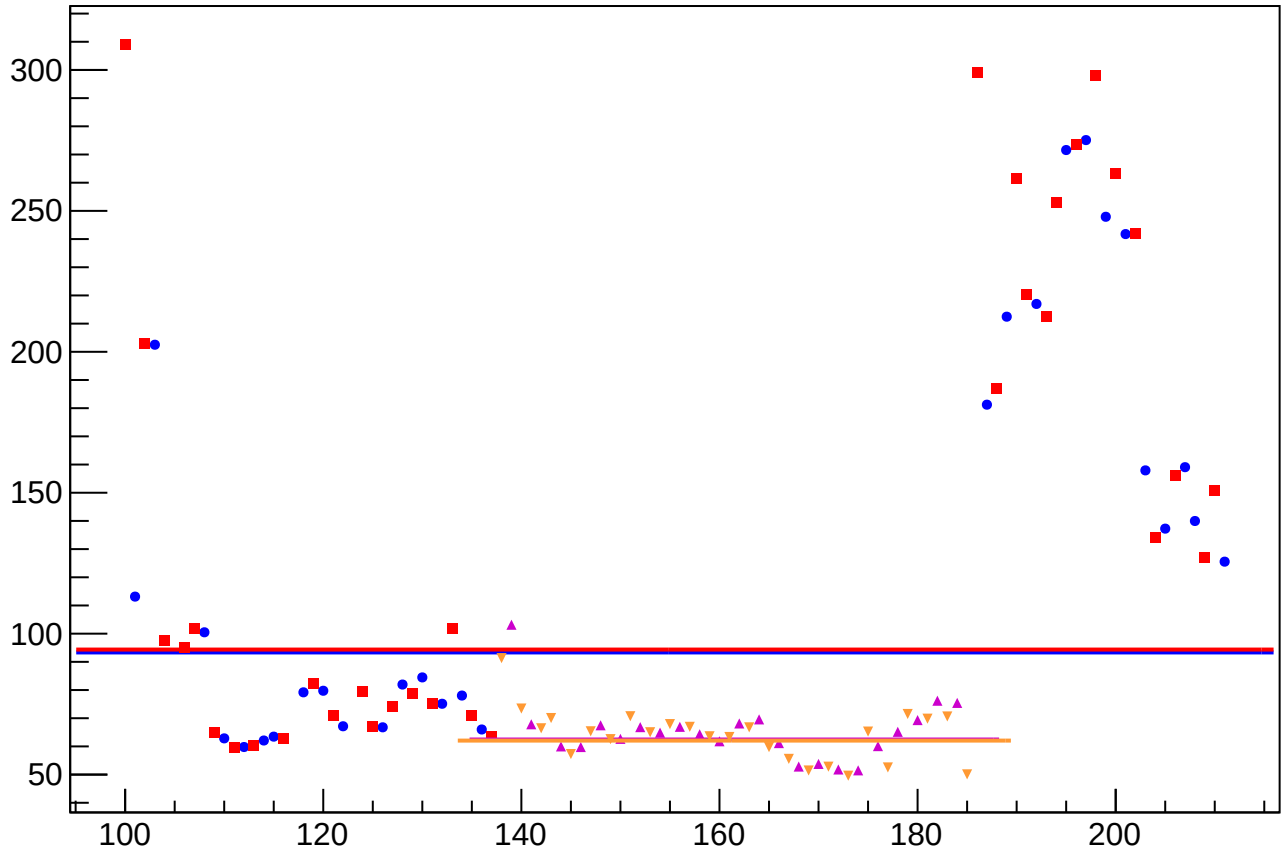
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -15.145+/-18.197 χ^2/NDF: 74.8/60

In: 47.848+/-12.858 χ^2/NDF:71.8/50

Out: 63.030+/-12.497 χ^2/NDF:112.7/57

All: 55.655+/-8.962 χ^2/NDF: 185.3/108



Right In: 93.337+/-0.018 χ^2/NDF: 6514830.9/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 94.360+/-0.018 χ^2/NDF: 8068300.3/32

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

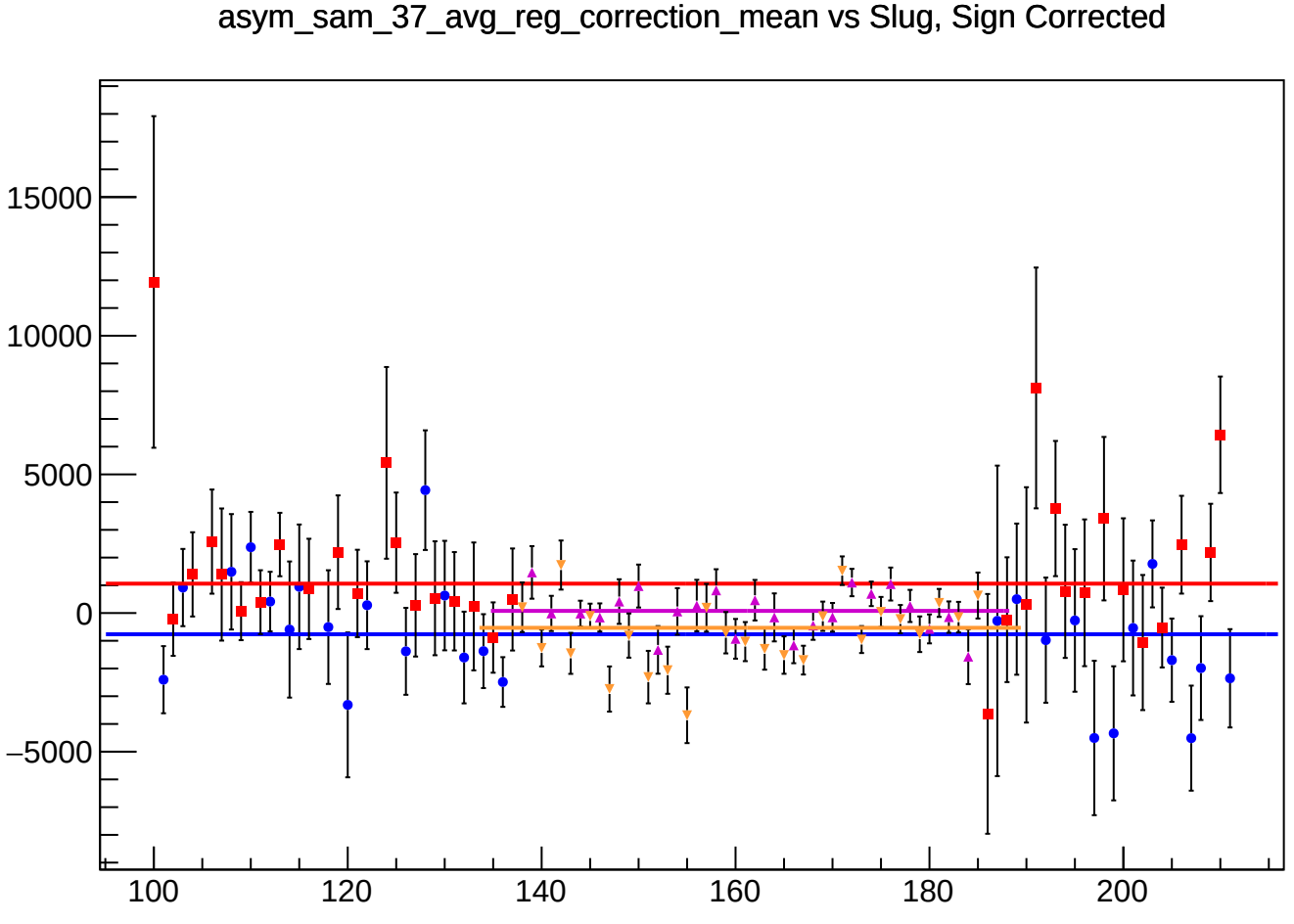
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 93.855+/-0.013 χ^2/NDF: 14584709.9/60

In: 70.055+/-0.009 χ^2/NDF:9322591.8/50

Out: 69.781+/-0.009 χ^2/NDF:11184255.1/57

All: 69.914+/-0.006 χ^2/NDF: 20507312.4/108



Right In: -764.701+/-319.011 χ^2/NDF: 36.7/27

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 1059.733+/-318.605 χ^2/NDF: 28.9/32

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

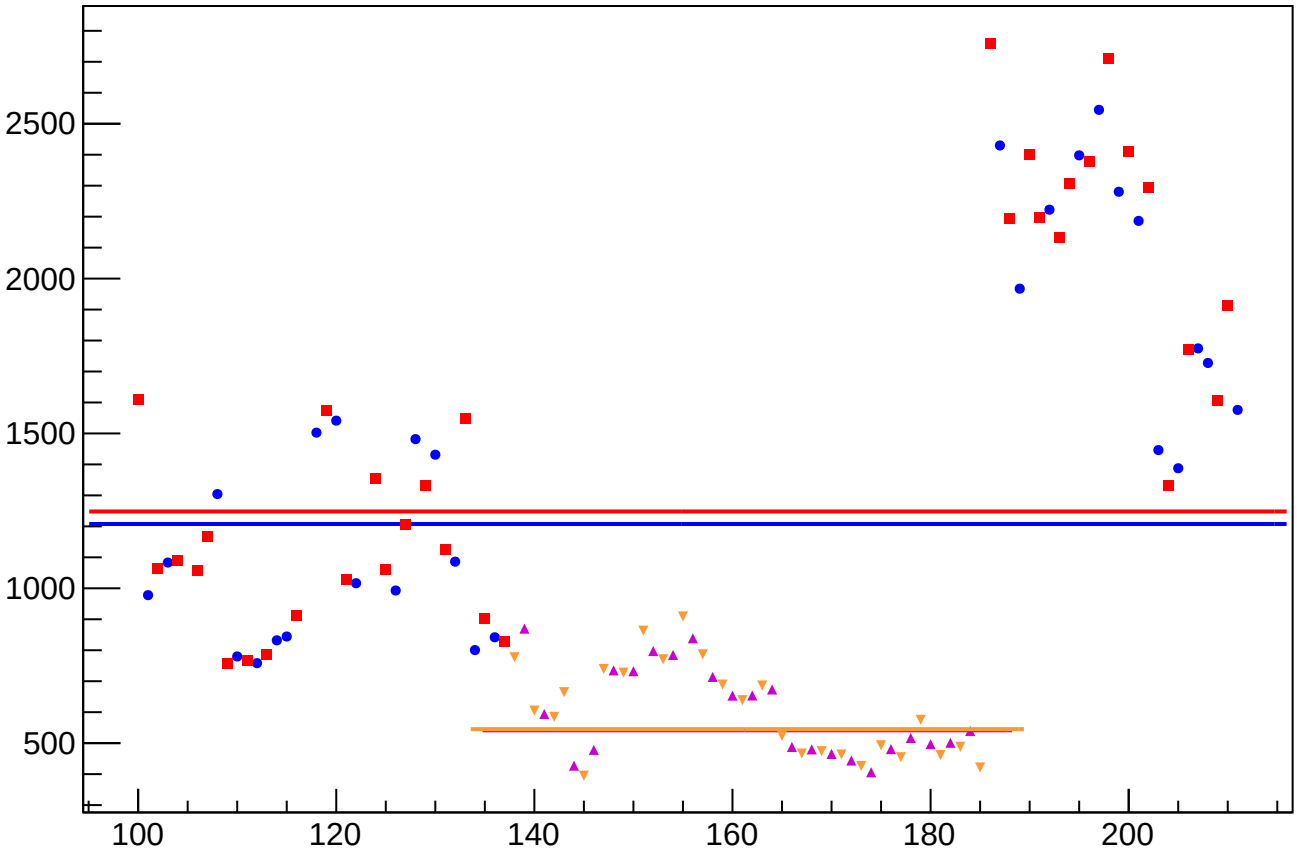
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 148.677+/-225.431 χ^2/NDF: 82.1/60

In: -43.035+/-120.640 χ^2/NDF:71.1/50

Out: -311.681+/-118.714 χ^2/NDF:119.6/57

All: -179.519+/-84.616 χ^2/NDF: 193.2/108



Right In: 1207.645+/-0.226 χ^2/NDF: 4253887.2/27

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1248.028+/-0.225 χ^2/NDF: 5276854.3/32

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

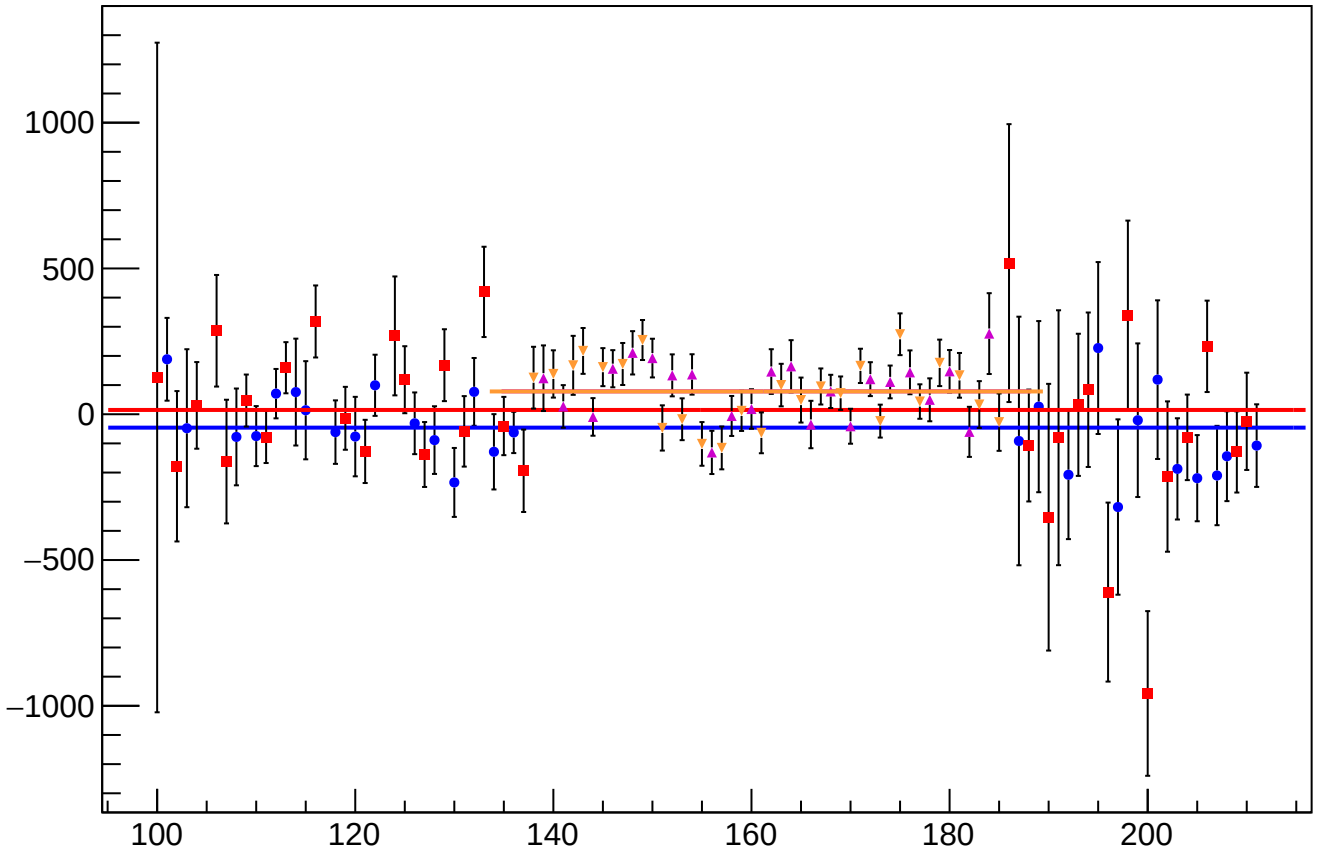
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1227.862+/-0.159 χ^2/NDF: 9546786.4/60

In: 636.729+/-0.085 χ^2/NDF:13568805.5/50

Out: 642.867+/-0.084 χ^2/NDF:15739299.2/57

All: 639.848+/-0.060 χ^2/NDF: 29310735.0/10



Right In: -45.965+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.689+/-25.566 χ^2/NDF: 54.1/32

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

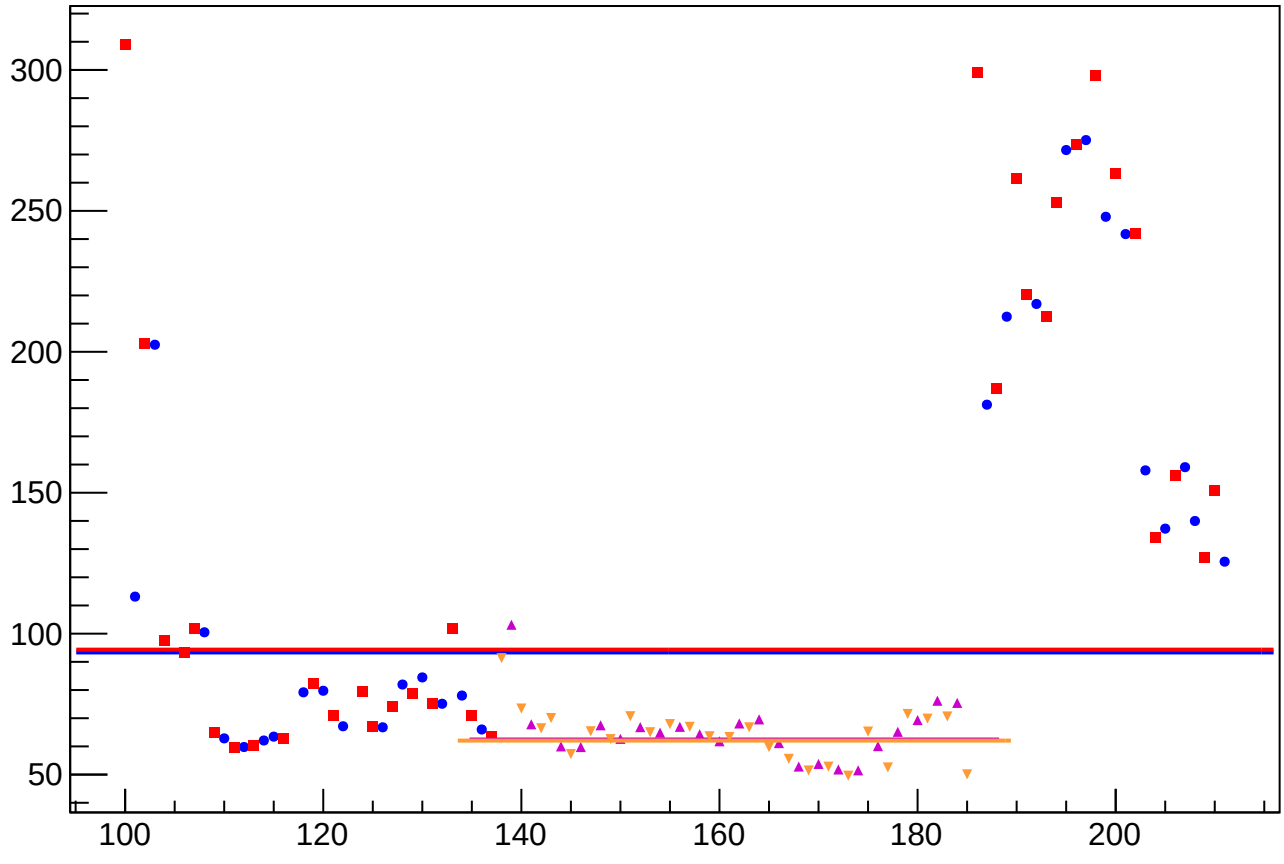
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -15.235+/-18.197 χ^2/NDF: 74.7/60

In: 47.846+/-12.858 χ^2/NDF:71.8/50

Out: 62.995+/-12.497 χ^2/NDF:112.7/57

All: 55.636+/-8.962 χ^2/NDF: 185.2/108



Right In: 93.337+/-0.018 χ^2/NDF: 6514833.3/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 94.329+/-0.018 χ^2/NDF: 8068554.5/32

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

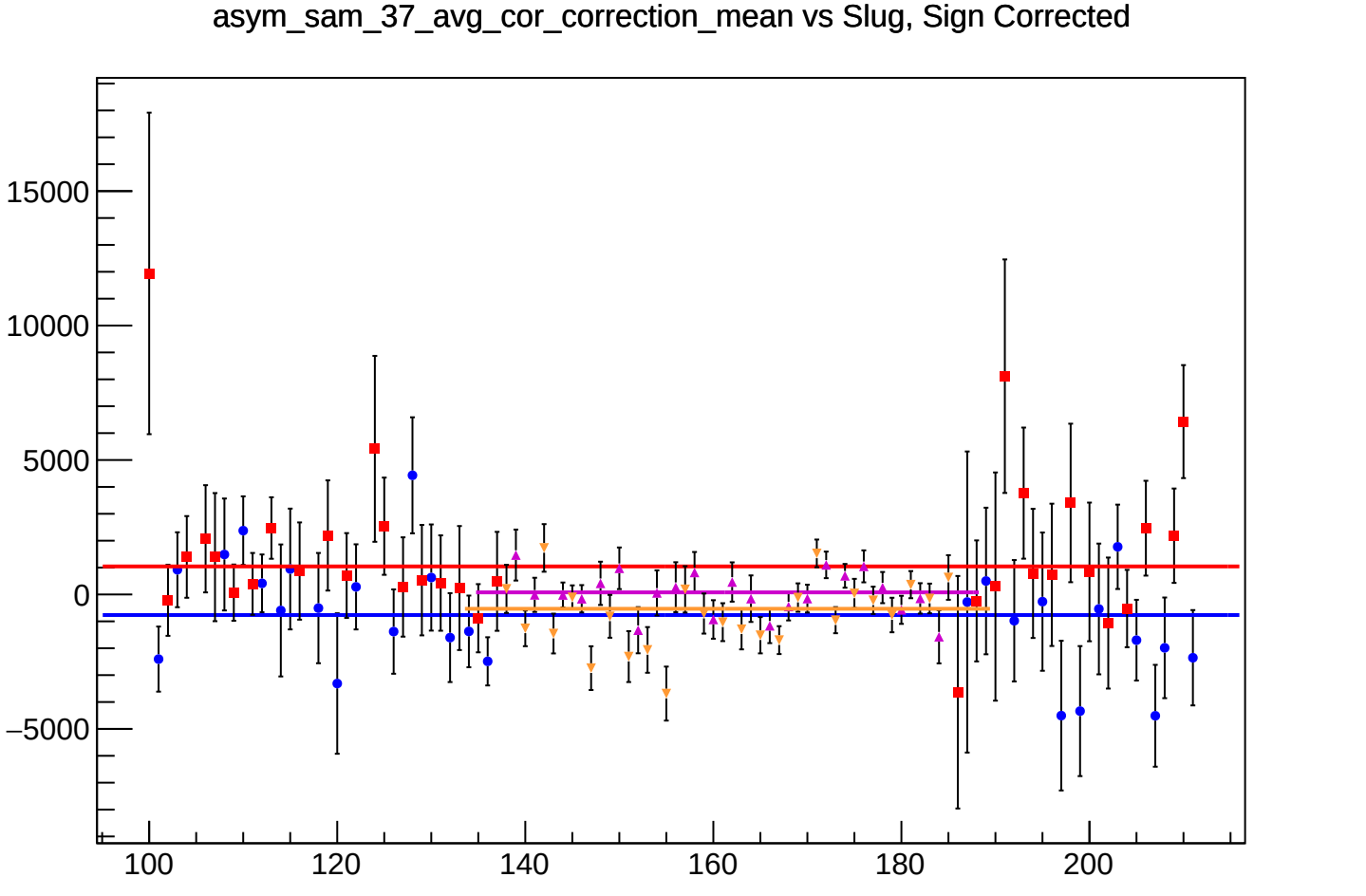
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 93.840+/-0.013 χ^2/NDF: 14584873.8/60

In: 70.055+/-0.009 χ^2/NDF:9322593.8/50

Out: 69.773+/-0.009 χ^2/NDF:11179631.1/57

All: 69.910+/-0.006 χ^2/NDF: 20502718.8/108



Right In: -764.695+/-319.013 χ^2/NDF: 36.7/27

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1042.362+/-319.140 χ^2/NDF: 28.5/32

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

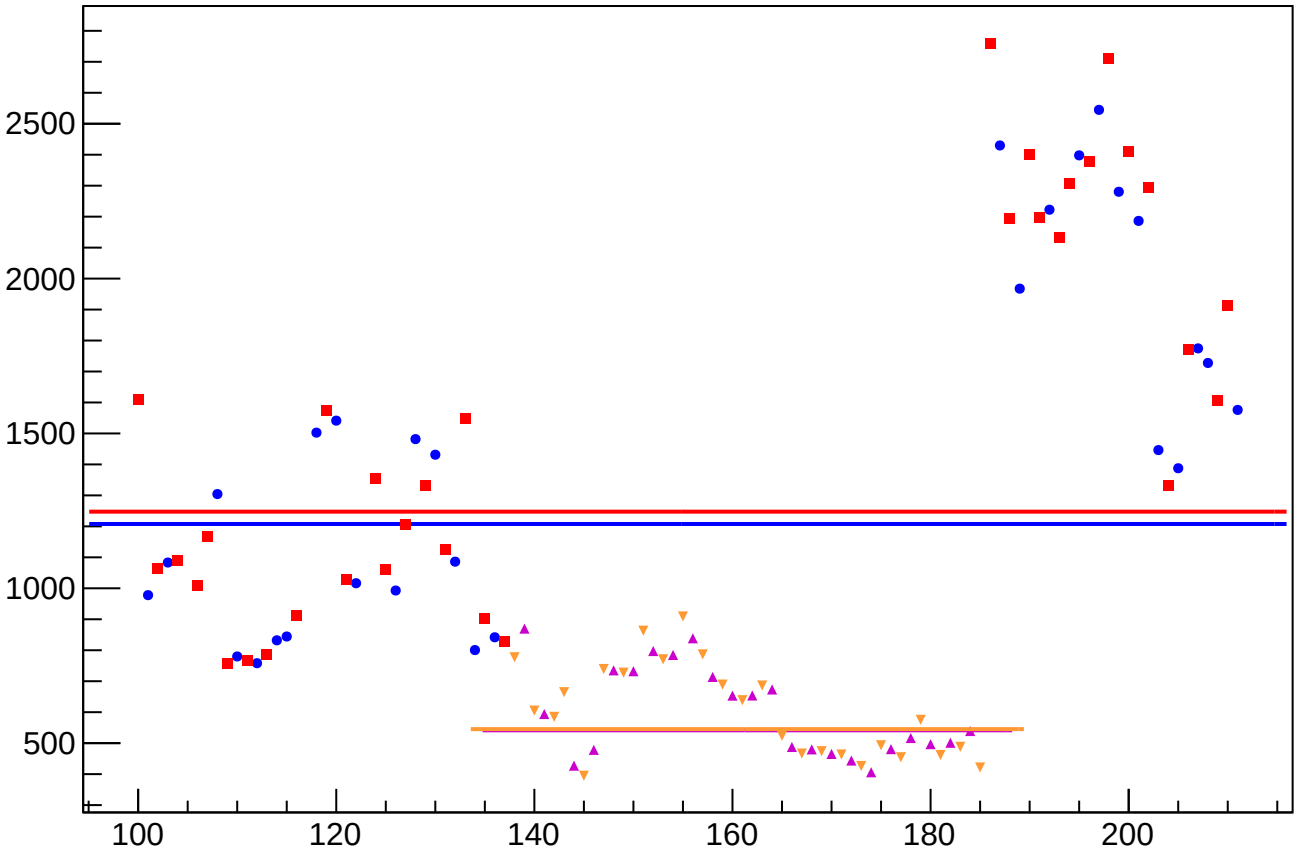
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

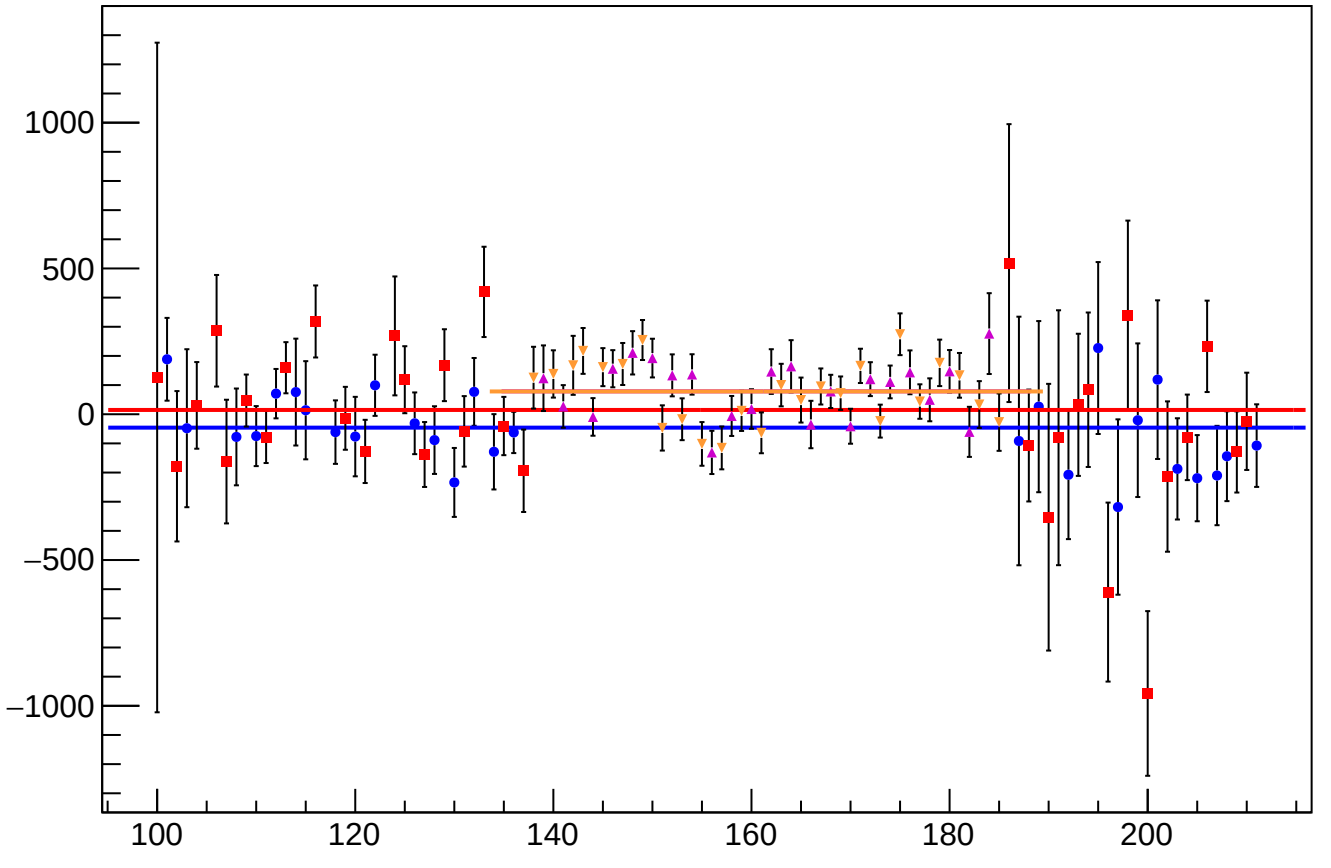
Right: 138.474+/-225.621 χ^2/NDF: 81.3/60

In: -43.034+/-120.640 χ^2/NDF:71.1/50

Out: -314.721+/-118.742 χ^2/NDF:118.6/57

All: -181.031+/-84.626 χ^2/NDF: 192.3/108


asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1207.652+/-0.226 χ²/NDF: 4253861.1/27
Left Out: 545.304+/-0.090 χ²/NDF:2083686.2/24
Right Out: 1247.480+/-0.226 χ²/NDF: 5284530.9/32
Left In: 541.458+/-0.092 χ²/NDF:1840342.7/22
Left: 543.417+/-0.065 χ²/NDF: 3924916.2/47
Right: 1227.558+/-0.160 χ²/NDF: 9553972.5/60
In: 636.730+/-0.085 χ²/NDF:13568861.5/50
Out: 642.510+/-0.084 χ²/NDF:15709771.5/57
All: 639.666+/-0.060 χ²/NDF: 29280965.2/10



Right In: -45.965+/-25.908 χ^2/NDF: 17.8/27

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.689+/-25.566 χ^2/NDF: 54.1/32

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

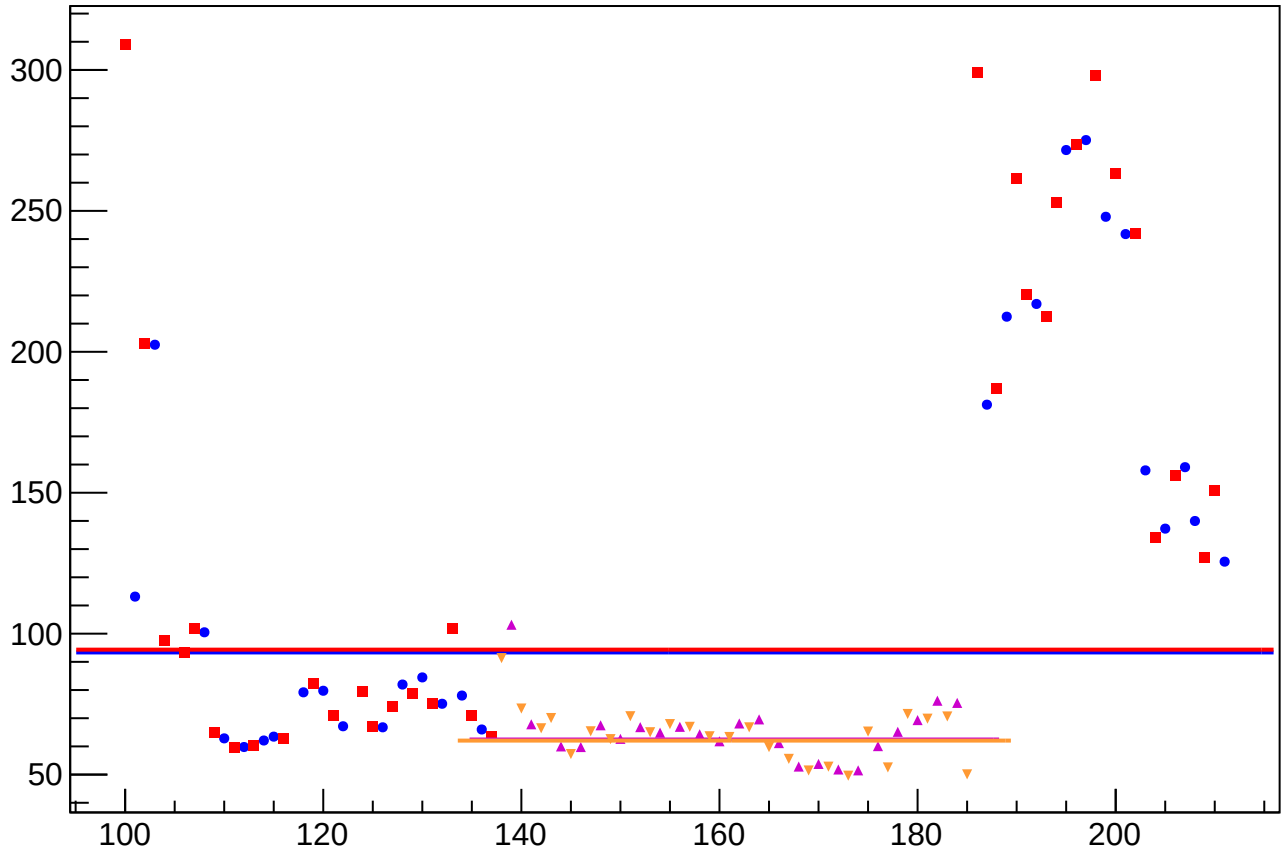
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -15.235+/-18.197 χ^2/NDF: 74.7/60

In: 47.846+/-12.858 χ^2/NDF:71.8/50

Out: 62.995+/-12.497 χ^2/NDF:112.7/57

All: 55.636+/-8.962 χ^2/NDF: 185.2/108



Right In: 93.337+/-0.018 χ^2/NDF: 6514833.3/27

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 94.329+/-0.018 χ^2/NDF: 8068554.5/32

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

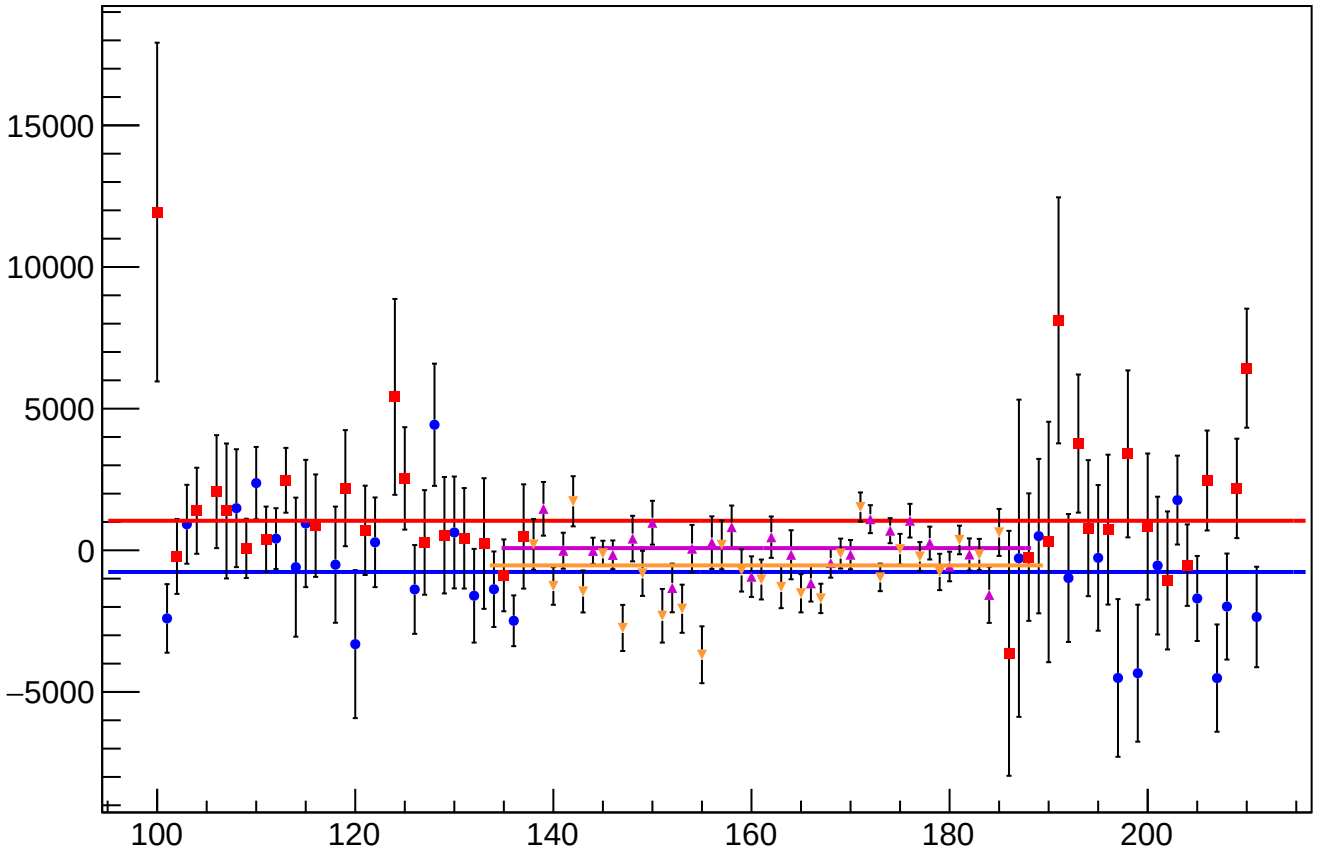
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 93.840+/-0.013 χ^2/NDF: 14584873.8/60

In: 70.055+/-0.009 χ^2/NDF:9322593.8/50

Out: 69.773+/-0.009 χ^2/NDF:11179631.1/57

All: 69.910+/-0.006 χ^2/NDF: 20502718.8/108



Right In: -764.695+/-319.013 χ^2/NDF: 36.7/27

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1042.362+/-319.140 χ^2/NDF: 28.5/32

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

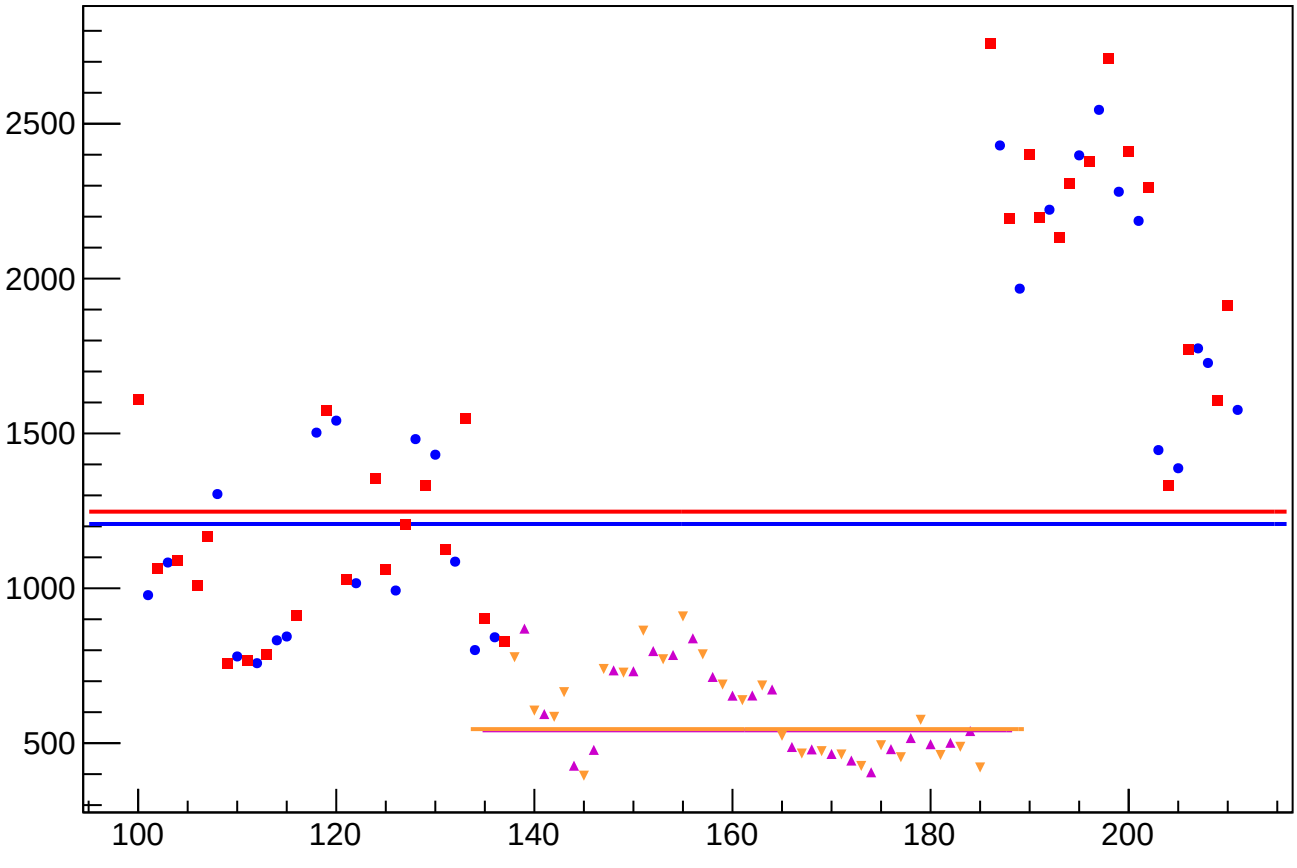
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 138.474+/-225.621 χ^2/NDF: 81.3/60

In: -43.034+/-120.640 χ^2/NDF:71.1/50

Out: -314.721+/-118.742 χ^2/NDF:118.6/57

All: -181.031+/-84.626 χ^2/NDF: 192.3/108



Right In: 1207.652+/-0.226 χ^2/NDF: 4253861.1/27

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1247.480+/-0.226 χ^2/NDF: 5284530.9/32

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

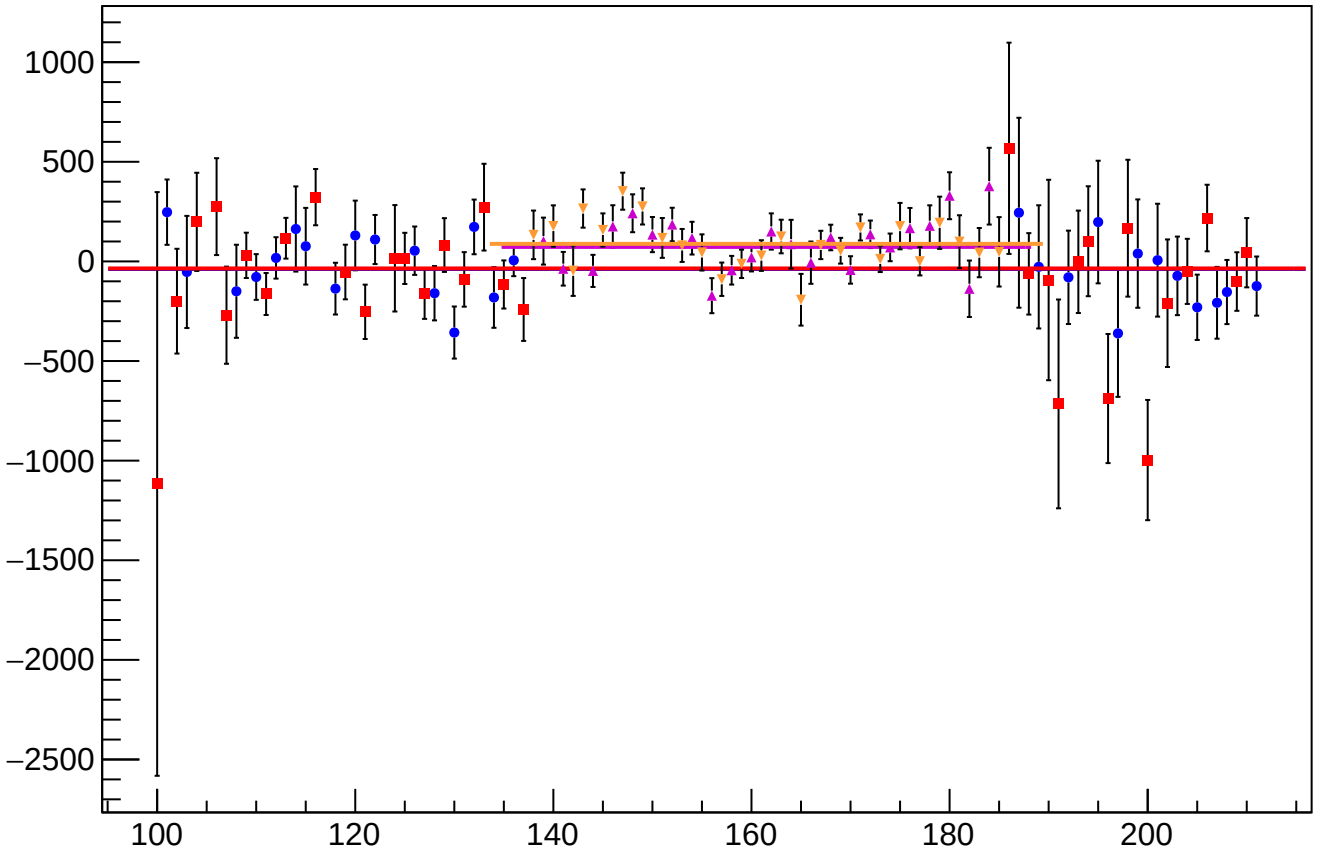
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1227.558+/-0.160 χ^2/NDF: 9553972.5/60

In: 636.730+/-0.085 χ^2/NDF:13568861.5/50

Out: 642.510+/-0.084 χ^2/NDF:15709771.5/57

All: 639.666+/-0.060 χ^2/NDF: 29280965.2/10



Right In: -37.934+/-29.689 χ^2/NDF: 24.0/27

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.445+/-29.933 χ^2/NDF: 44.5/32

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

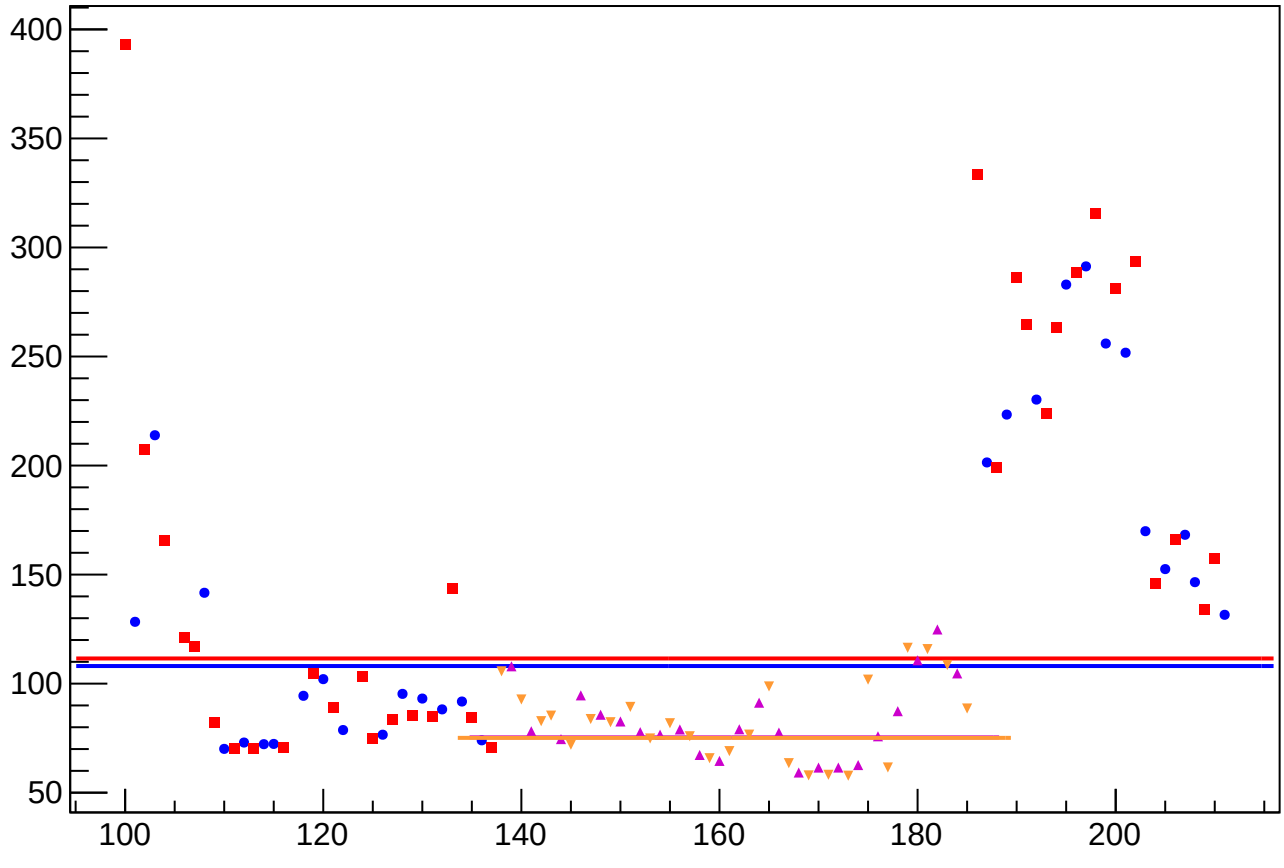
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.700+/-21.079 χ^2/NDF: 68.5/60

In: 42.405+/-15.563 χ^2/NDF:72.5/50

Out: 55.928+/-15.264 χ^2/NDF:94.0/57

All: 49.298+/-10.898 χ^2/NDF: 166.9/108



Right In: 108.068+/-0.021 χ^2/NDF: 5716709.5/27

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 111.537+/-0.021 χ^2/NDF: 7297508.8/32

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

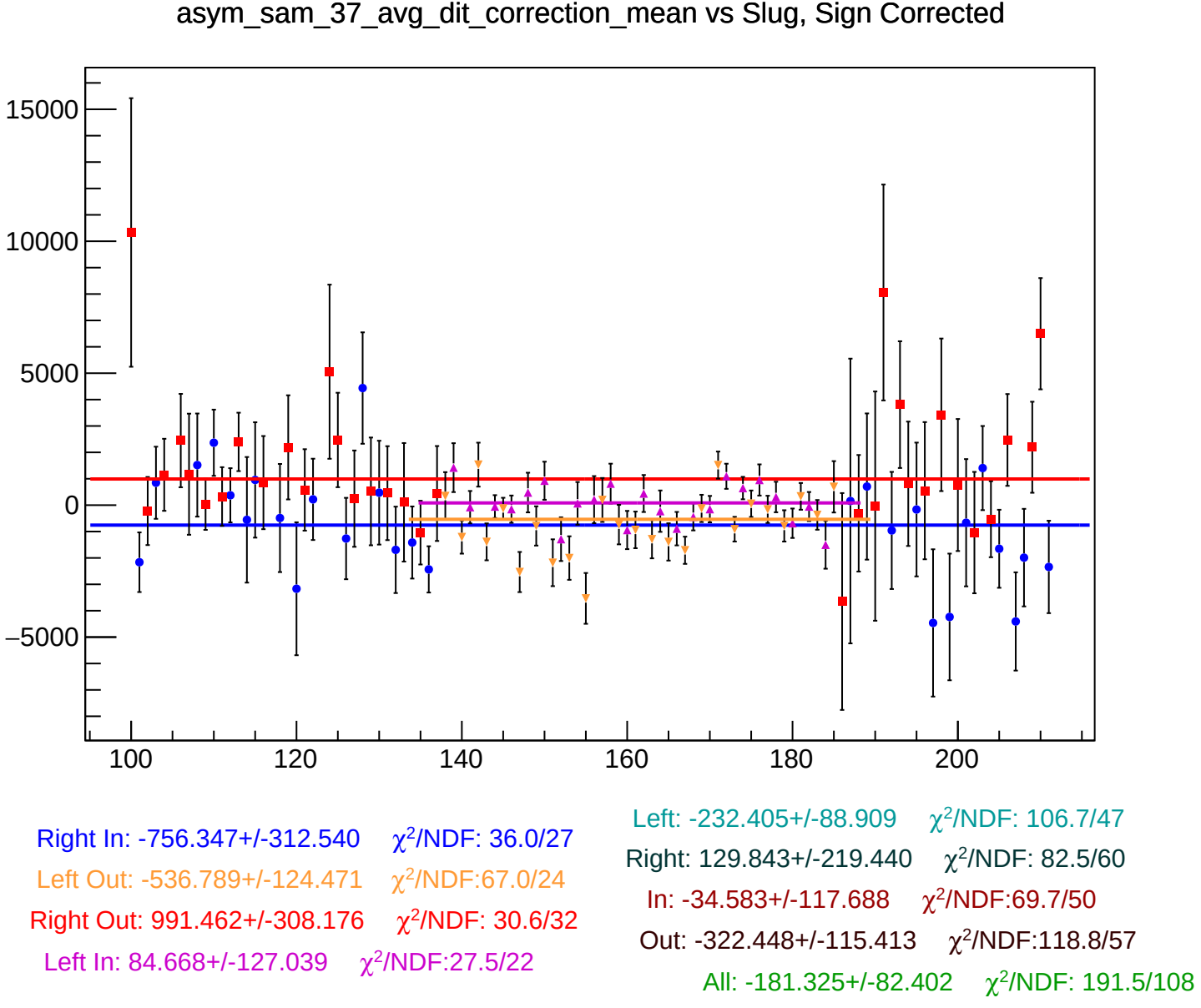
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

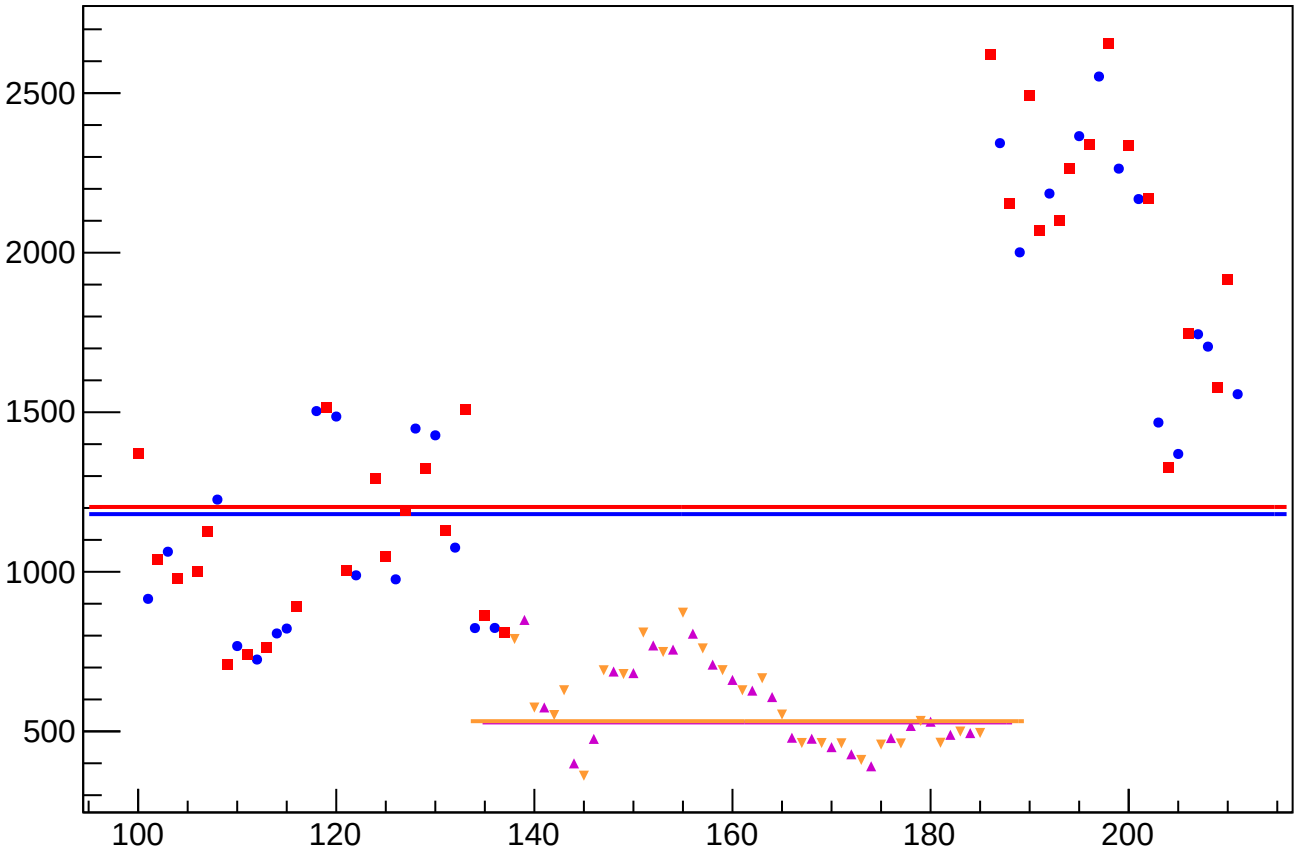
Right: 109.789+/-0.015 χ^2/NDF: 13027762.2/60

In: 84.350+/-0.011 χ^2/NDF:8702090.5/50

Out: 84.596+/-0.011 χ^2/NDF:11088620.9/57

All: 84.476+/-0.008 χ^2/NDF: 19790965.2/108


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -756.347+/-312.540 χ²/NDF: 36.0/27
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 991.462+/-308.176 χ²/NDF: 30.6/32
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 129.843+/-219.440 χ²/NDF: 82.5/60
In: -34.583+/-117.688 χ²/NDF:69.7/50
Out: -322.448+/-115.413 χ²/NDF:118.8/57
All: -181.325+/-82.402 χ²/NDF: 191.5/108



Right In: 1180.750+/-0.221 χ^2/NDF: 4399755.1/27

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1203.166+/-0.218 χ^2/NDF: 5499770.8/32

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

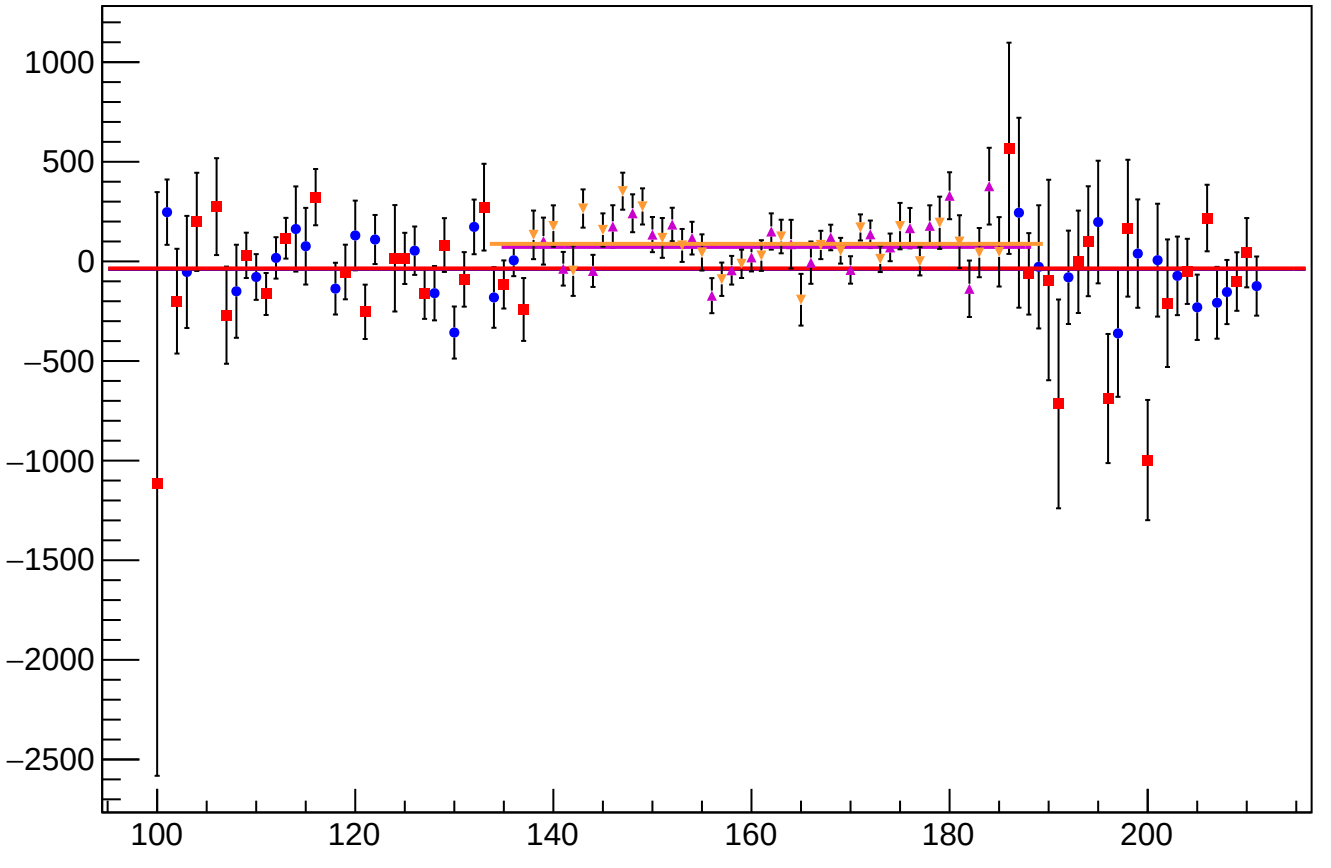
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1192.116+/-0.155 χ^2/NDF: 9904742.1/60

In: 620.544+/-0.083 χ^2/NDF:13687500.6/50

Out: 626.023+/-0.082 χ^2/NDF:15696350.3/57

All: 623.337+/-0.058 χ^2/NDF: 29386060.8/10



Right In: -37.934+/-29.689 χ^2/NDF: 24.0/27

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.448+/-29.933 χ^2/NDF: 44.5/32

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

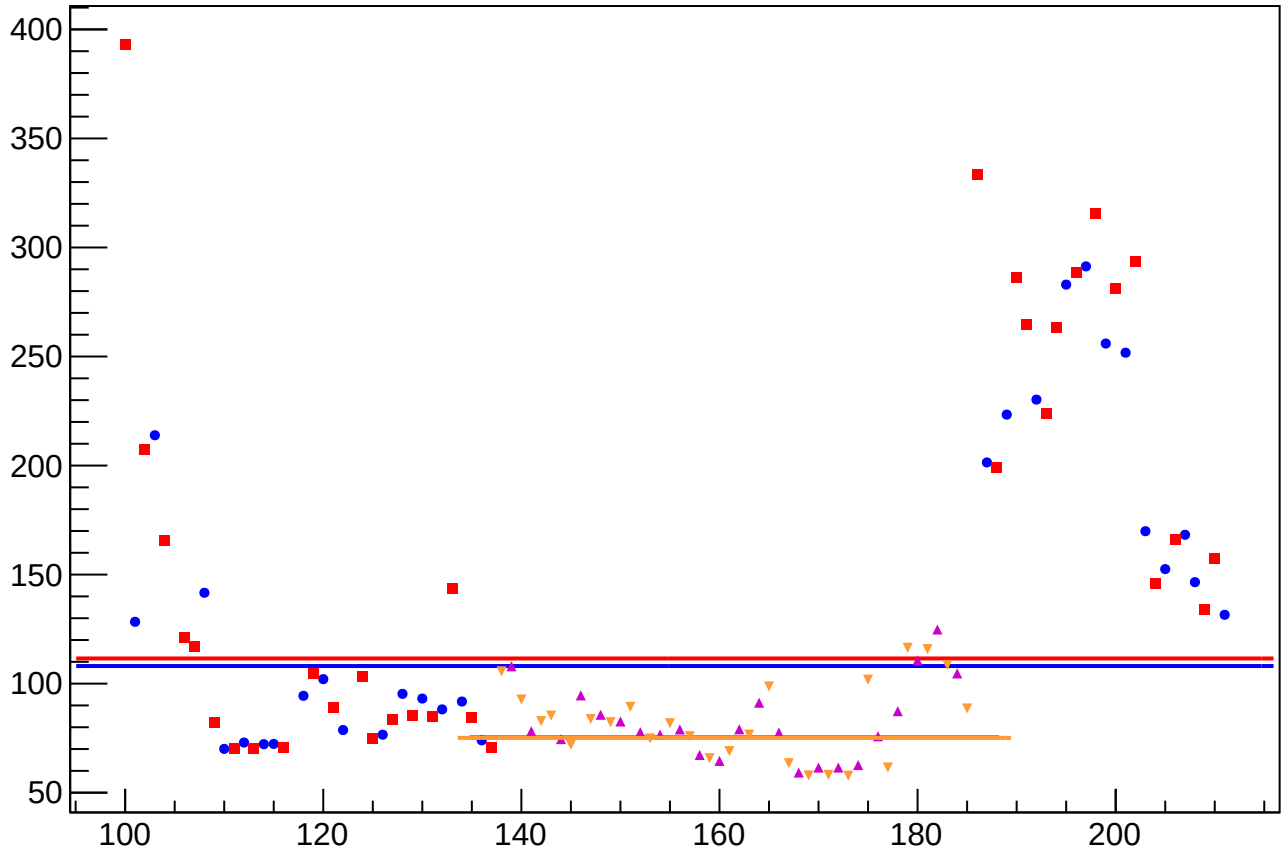
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.701+/-21.079 χ^2/NDF: 68.5/60

In: 42.405+/-15.563 χ^2/NDF:72.5/50

Out: 55.928+/-15.264 χ^2/NDF:94.0/57

All: 49.298+/-10.898 χ^2/NDF: 166.9/108



Right In: 108.068+/-0.021 χ^2/NDF: 5716669.6/27

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 111.538+/-0.021 χ^2/NDF: 7297468.2/32

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

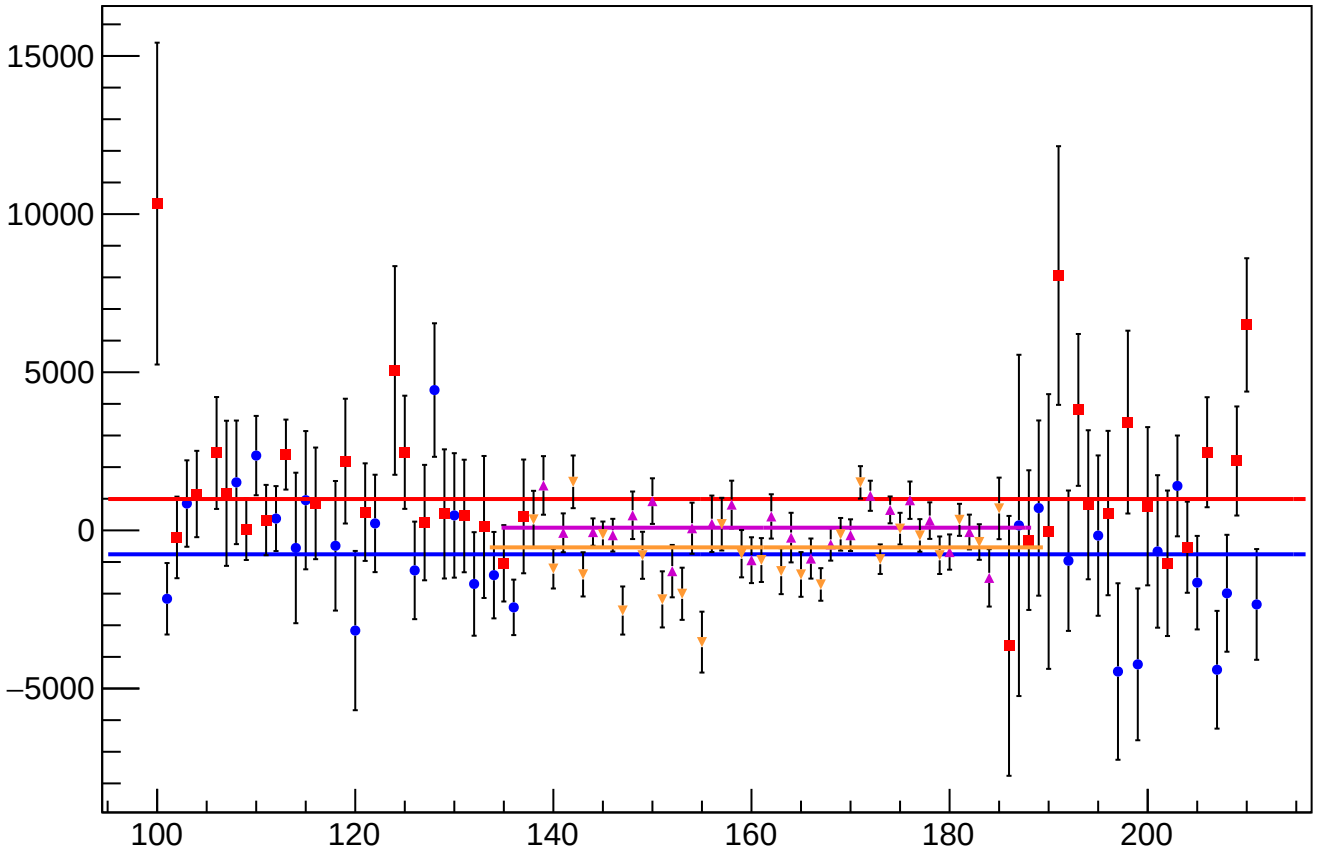
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 109.789+/-0.015 χ^2/NDF: 13027682.4/60

In: 84.351+/-0.011 χ^2/NDF:8702061.7/50

Out: 84.596+/-0.011 χ^2/NDF:11088597.7/57

All: 84.476+/-0.008 χ^2/NDF: 19790913.4/108



Right In: -756.344+/-312.539 χ^2/NDF: 36.0/27

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 991.460+/-308.176 χ^2/NDF: 30.6/32

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

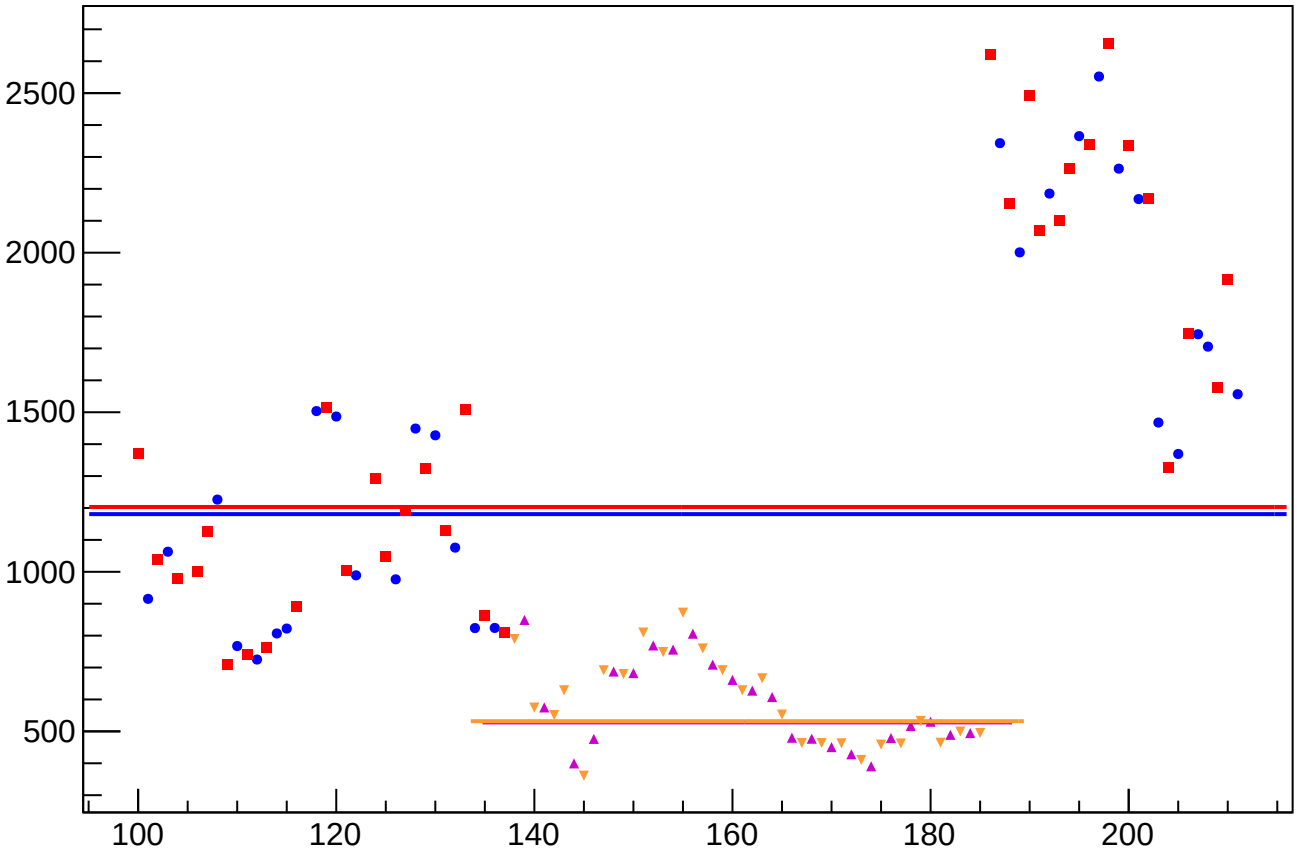
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 129.844+/-219.440 χ^2/NDF: 82.5/60

In: -34.583+/-117.688 χ^2/NDF:69.7/50

Out: -322.448+/-115.413 χ^2/NDF:118.8/57

All: -181.325+/-82.402 χ^2/NDF: 191.5/108



Right In: 1180.749+/-0.221 χ^2/NDF: 4399767.5/27

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1203.164+/-0.218 χ^2/NDF: 5499781.6/32

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

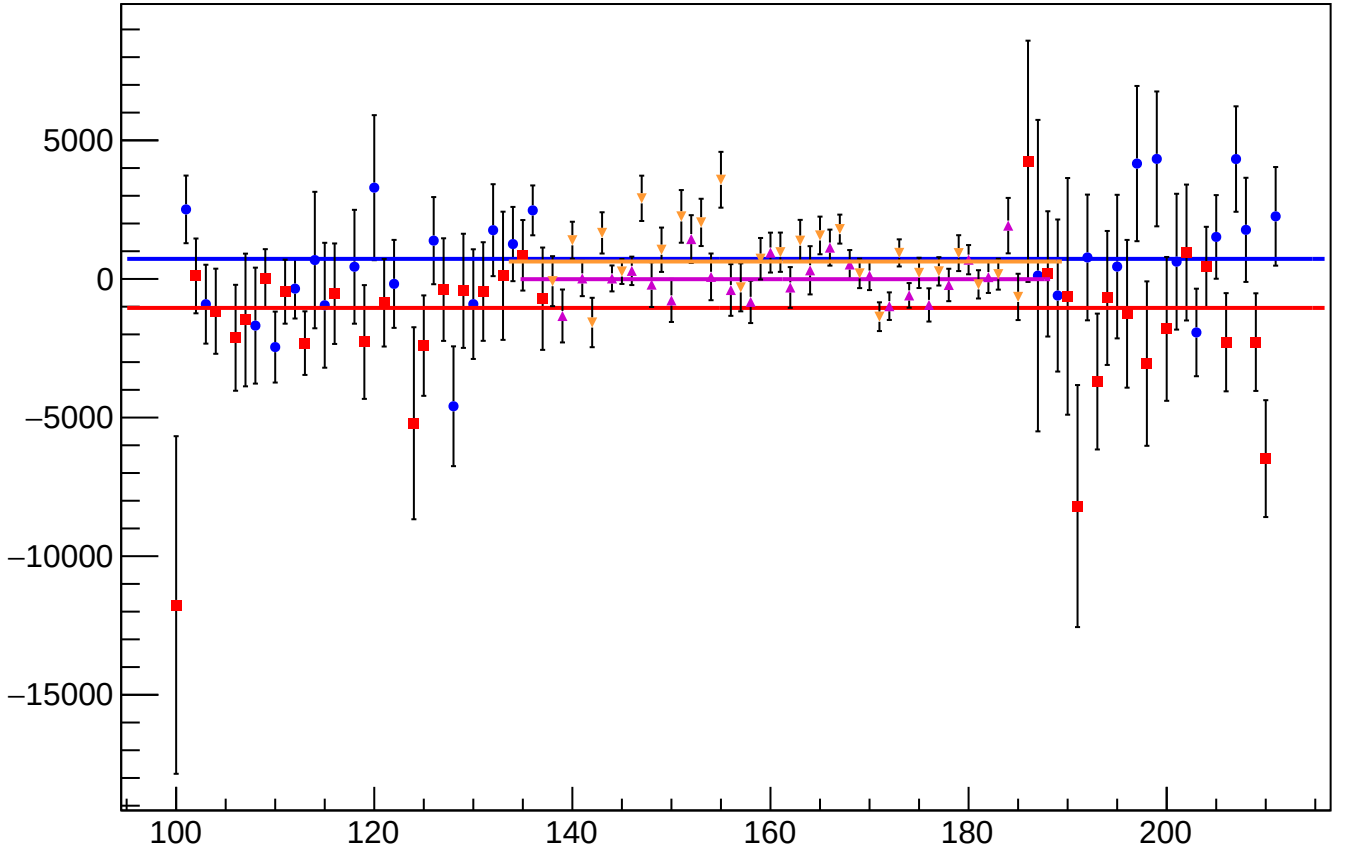
Right: 1192.114+/-0.155 χ^2/NDF: 9904765.2/60

In: 620.543+/-0.083 χ^2/NDF:13687487.5/50

Out: 626.023+/-0.082 χ^2/NDF:15696336.1/57

All: 623.337+/-0.058 χ^2/NDF: 29386033.5/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 724.097+/-320.607 χ^2/NDF: 36.8/27

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1044.965+/-320.291 χ^2/NDF: 27.6/32

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

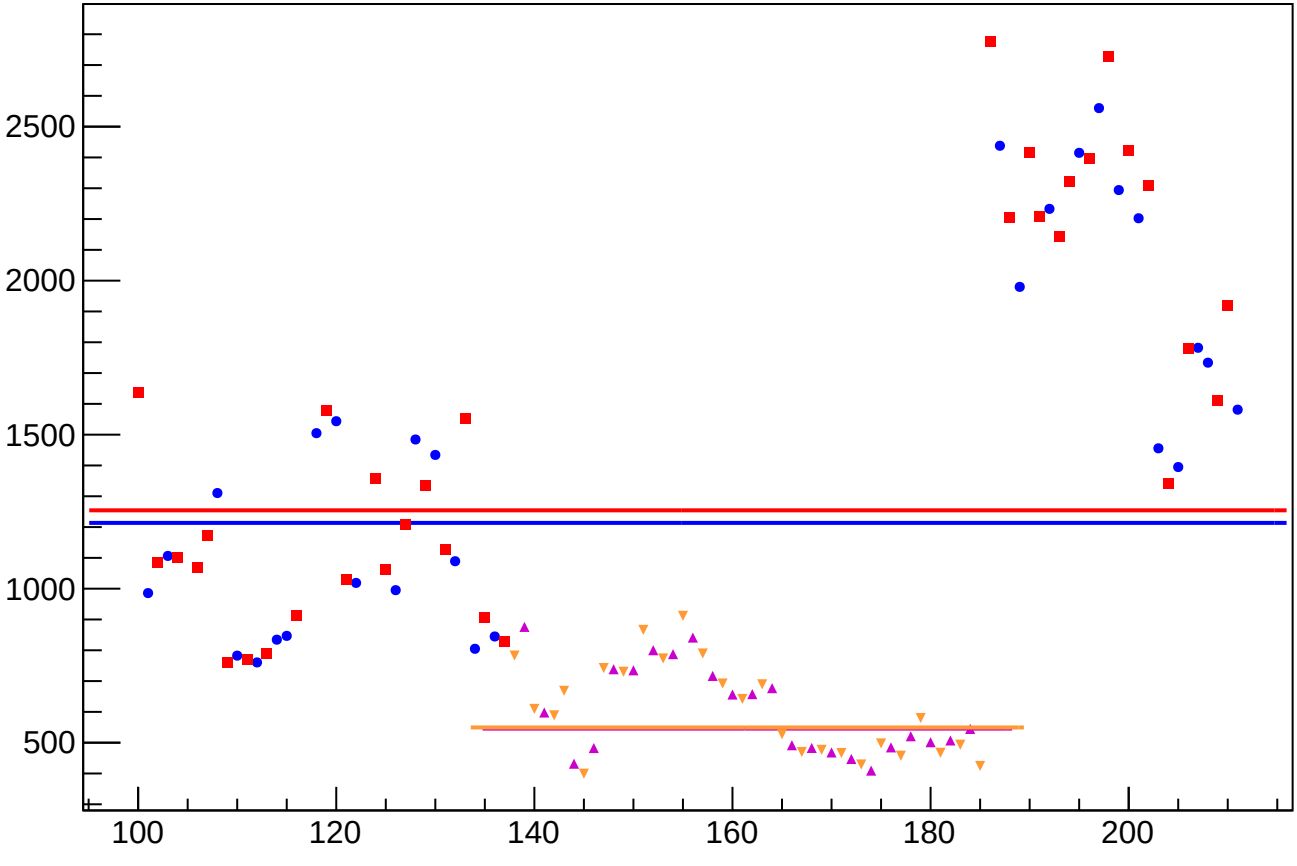
Right: -161.306+/-226.592 χ^2/NDF: 79.6/60

In: 96.742+/-121.497 χ^2/NDF:68.6/50

Out: 396.142+/-119.542 χ^2/NDF:116.0/57

All: 248.870+/-85.212 χ^2/NDF: 187.6/108

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1213.565+/-0.227 χ^2/NDF: 4259626.2/27

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1254.340+/-0.226 χ^2/NDF: 5283800.3/32

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

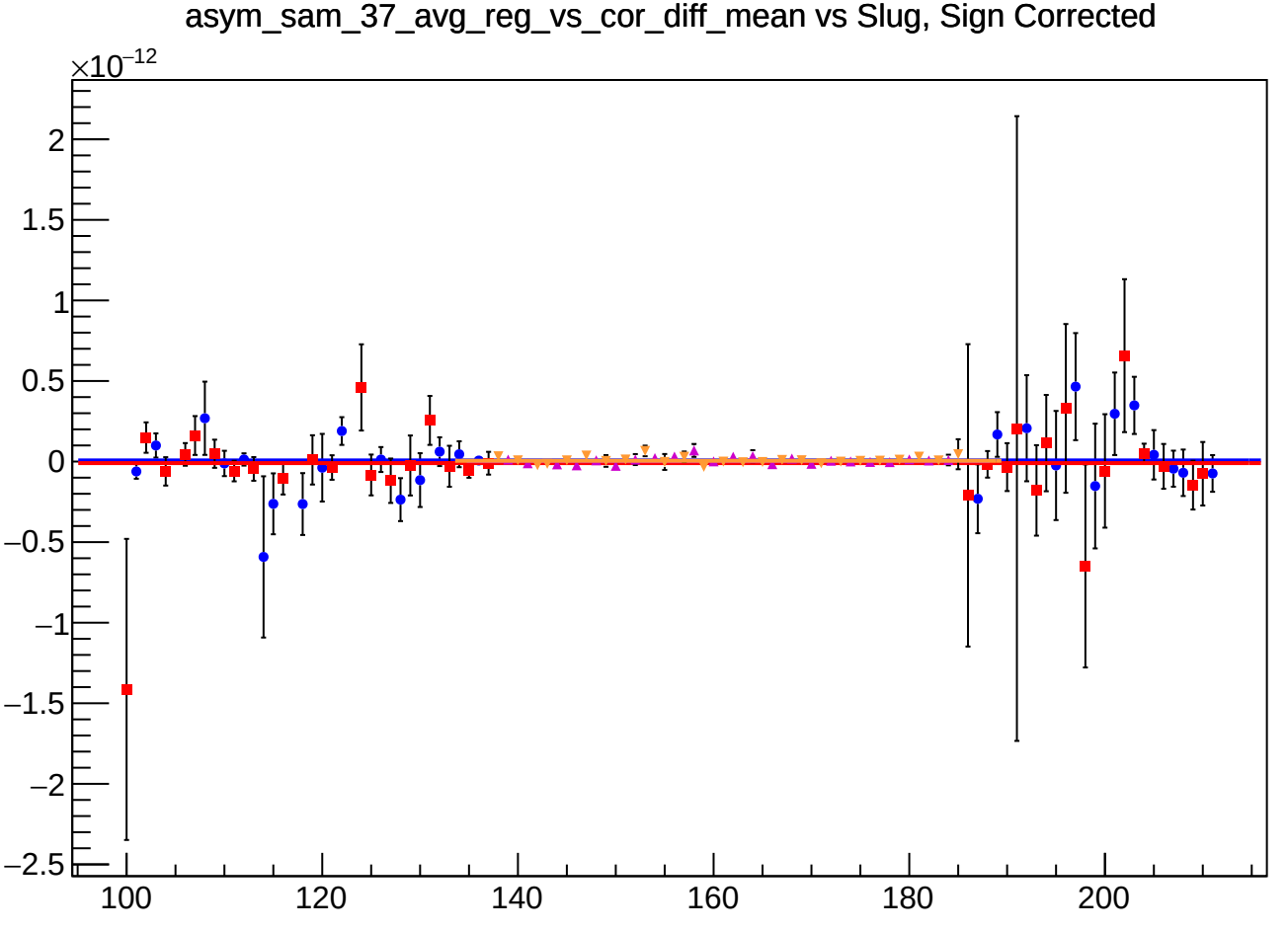
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

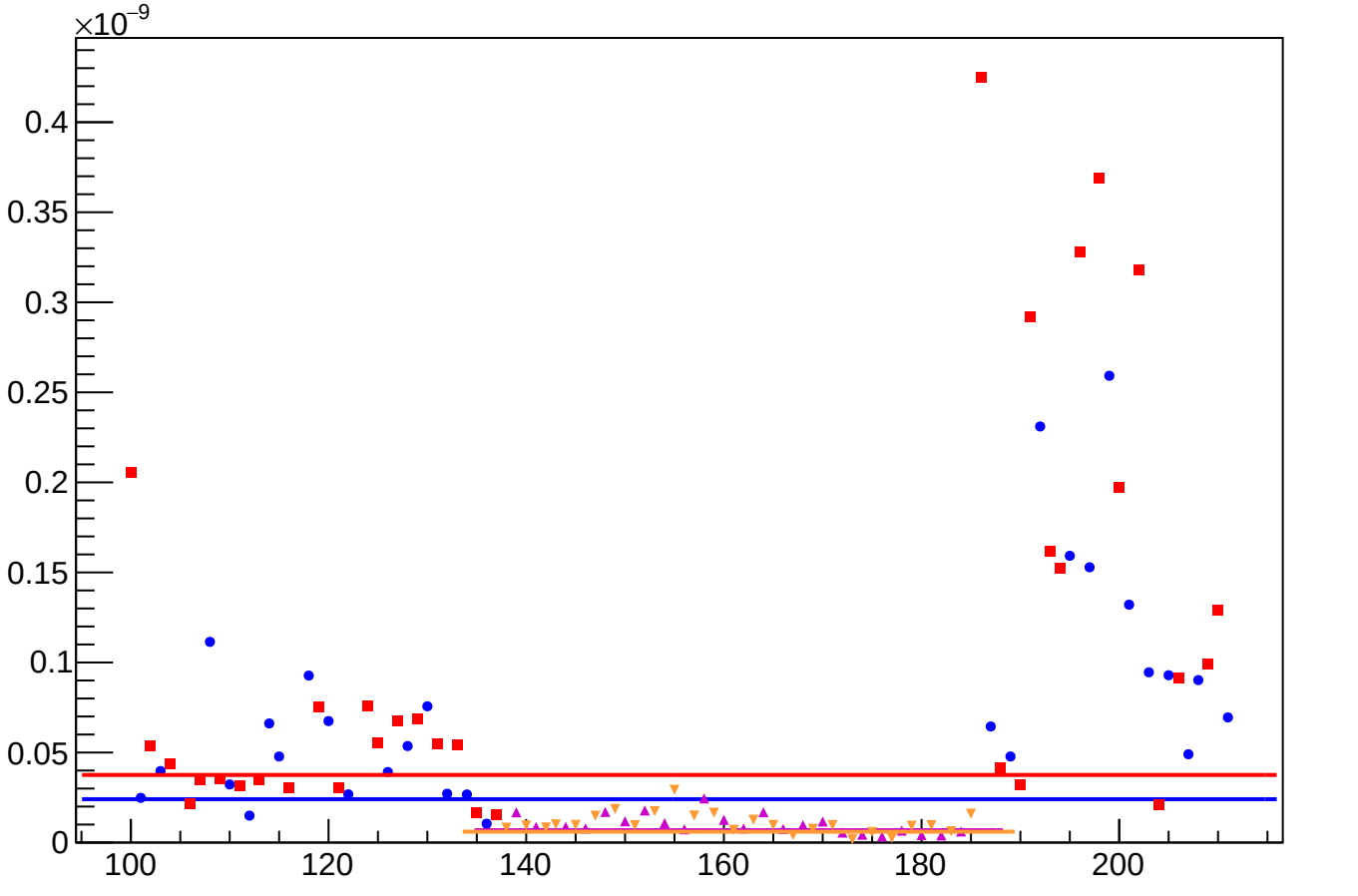
Right: 1233.973+/-0.160 χ^2/NDF: 9559617.3/60

In: 641.619+/-0.086 χ^2/NDF:13506440.3/50

Out: 647.663+/-0.085 χ^2/NDF:15674615.2/57

All: 644.690+/-0.060 χ^2/NDF: 29183570.2/10


asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.8/27
Left Out: 0.000+/-0.000 χ²/NDF:15.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.5/32
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
Left: 0.000+/-0.000 χ²/NDF: 35.9/47
Right: 0.000+/-0.000 χ²/NDF: 55.8/60
In: 0.000+/-0.000 χ²/NDF:50.8/50
Out: 0.000+/-0.000 χ²/NDF:40.8/57
All: 0.000+/-0.000 χ²/NDF: 91.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 6394943.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5854249.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

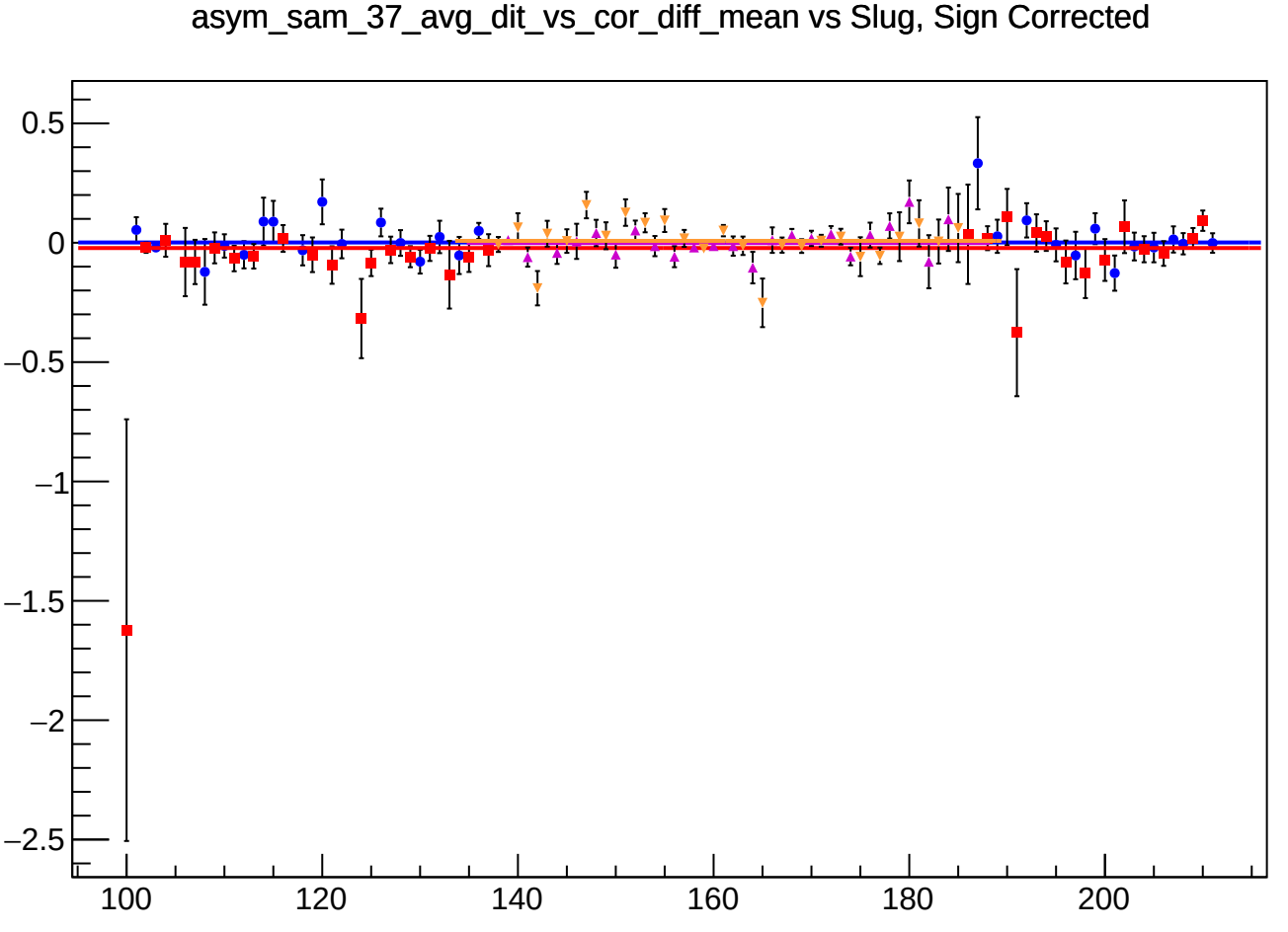
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12930791.7/60

In: 0.000+/-0.000 χ^2/NDF:11732089.5/50

Out: 0.000+/-0.000 χ^2/NDF:15203186.1/57

All: 0.000+/-0.000 χ^2/NDF: 27022127.9/108



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.022+/-0.010 χ^2/NDF: 28.6/32

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

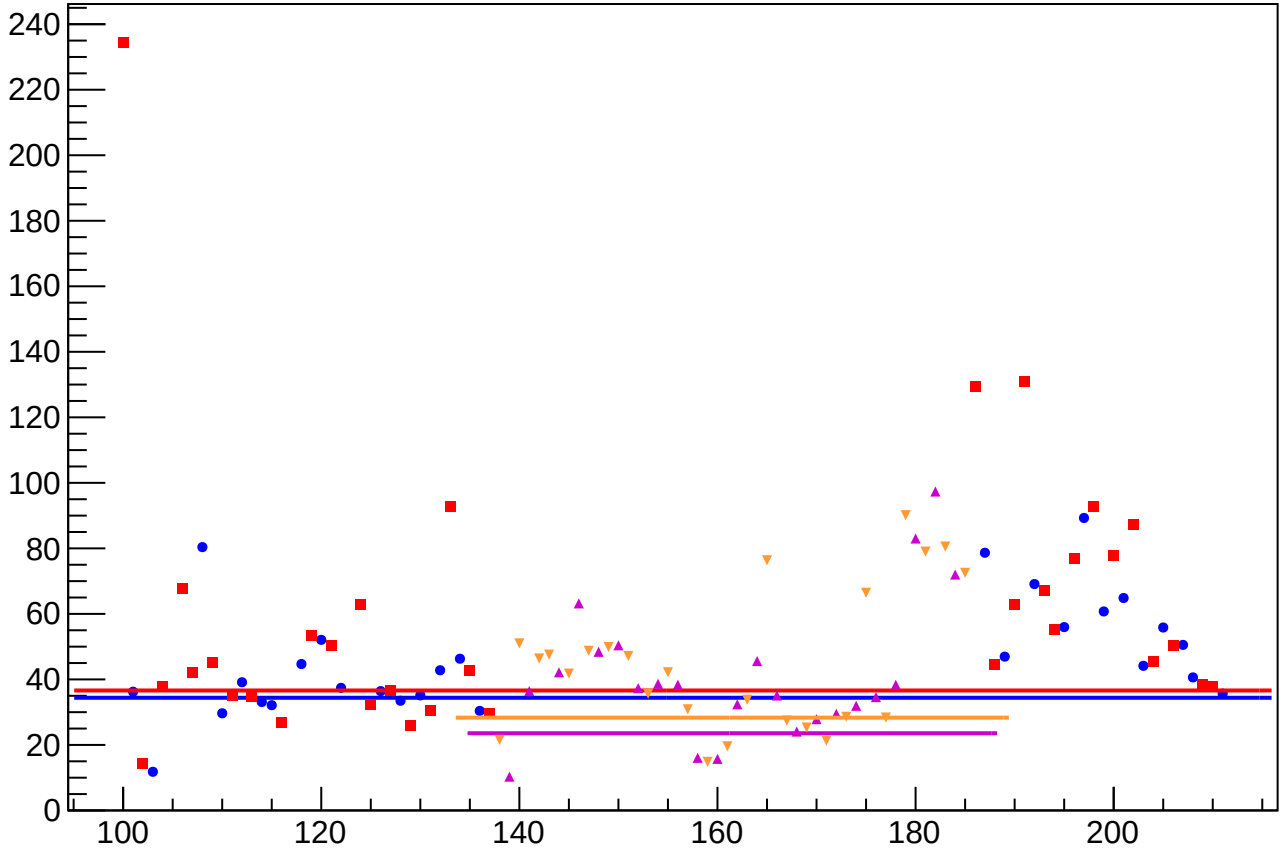
Right: -0.010+/-0.007 χ^2/NDF: 56.9/60

In: -0.001+/-0.006 χ^2/NDF:50.9/50

Out: -0.003+/-0.006 χ^2/NDF:81.7/57

All: -0.002+/-0.004 χ^2/NDF: 132.6/108

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.401+/-0.007 χ^2/NDF: 5771957.5/27

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.621+/-0.007 χ^2/NDF: 6517768.0/32

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

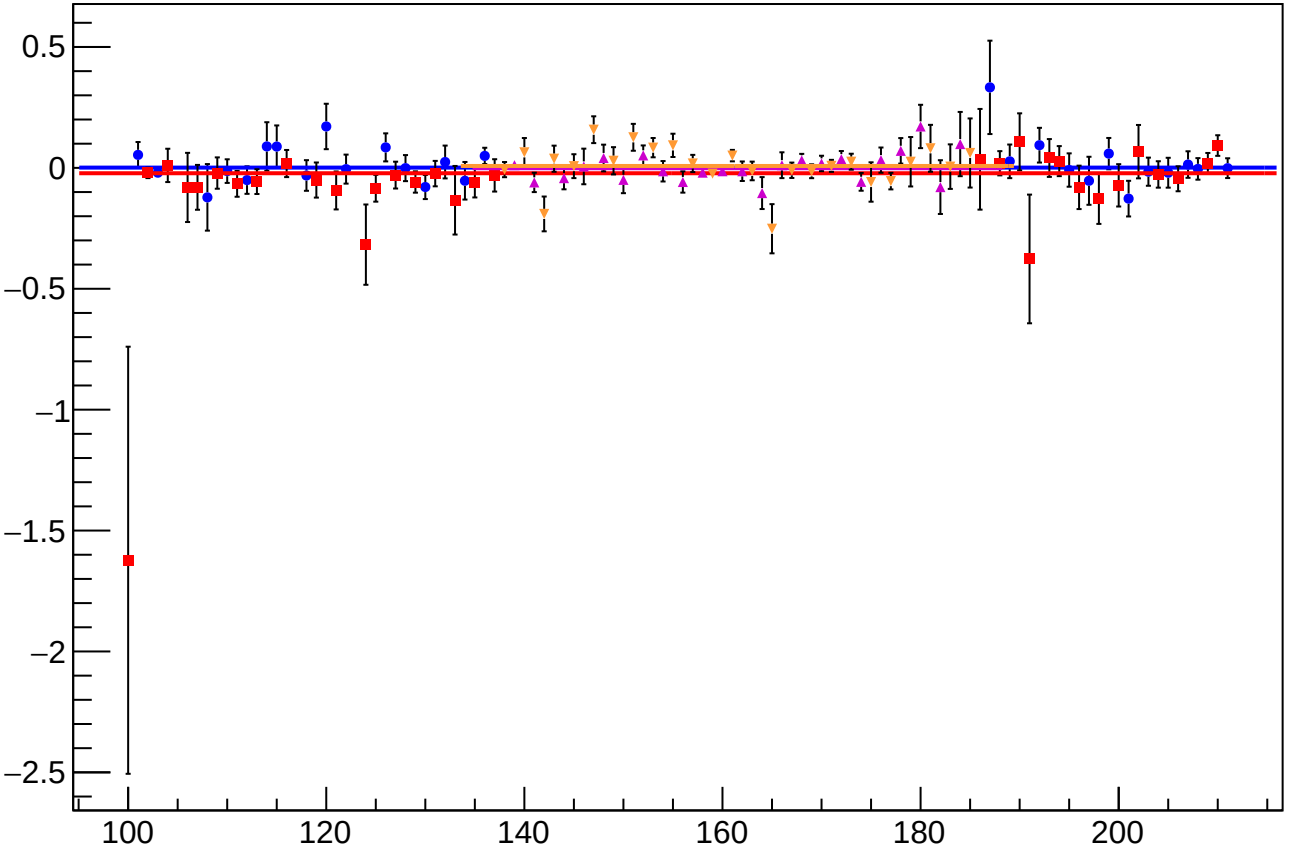
Right: 35.475+/-0.005 χ^2/NDF: 12337689.0/60

In: 27.014+/-0.004 χ^2/NDF:15644844.9/50

Out: 31.238+/-0.004 χ^2/NDF:14147919.7/57

All: 28.953+/-0.003 χ^2/NDF: 30310893.2/108

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.022+/-0.010 χ^2/NDF: 28.6/32

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

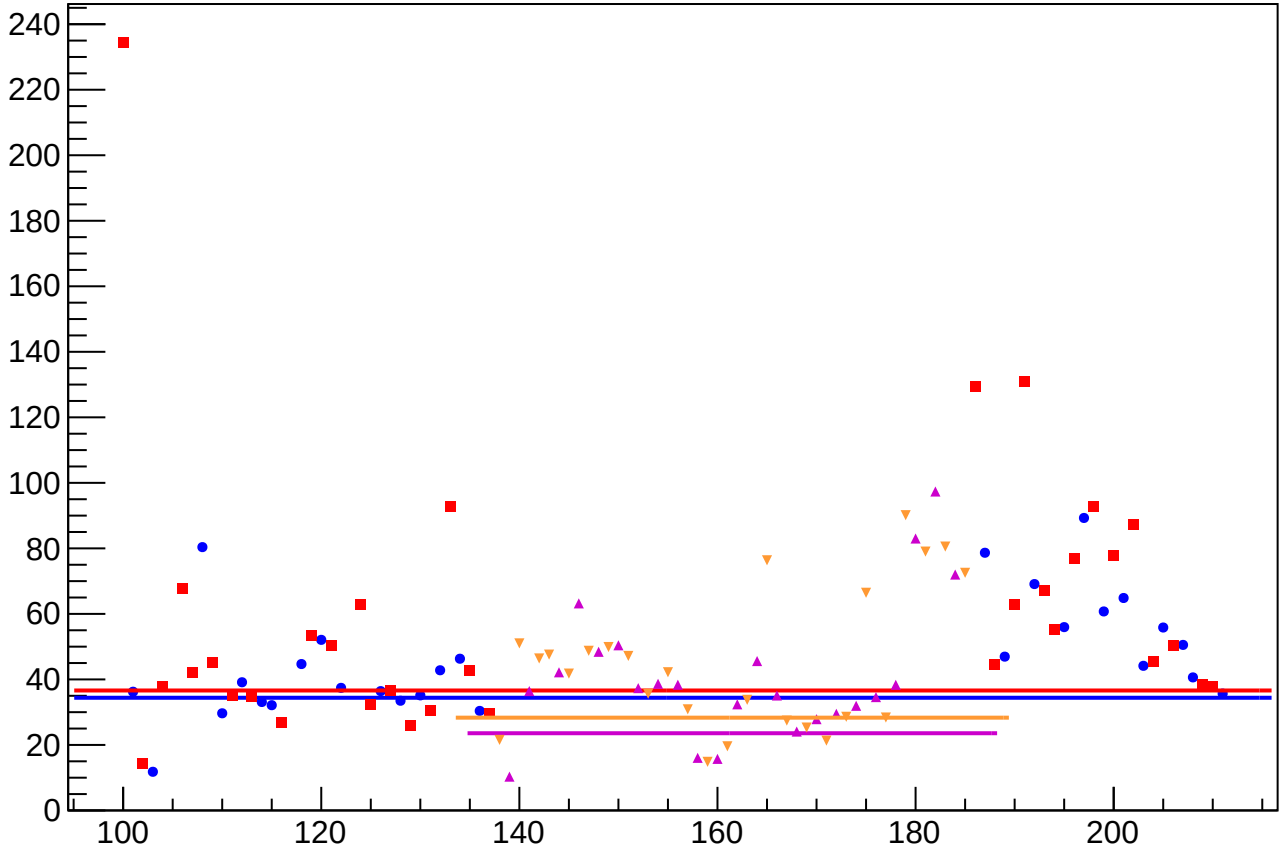
Right: -0.010+/-0.007 χ^2/NDF: 56.9/60

In: -0.001+/-0.006 χ^2/NDF:50.9/50

Out: -0.003+/-0.006 χ^2/NDF:81.7/57

All: -0.002+/-0.004 χ^2/NDF: 132.6/108

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.401+/-0.007 χ^2/NDF: 5771957.5/27

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.621+/-0.007 χ^2/NDF: 6517768.0/32

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

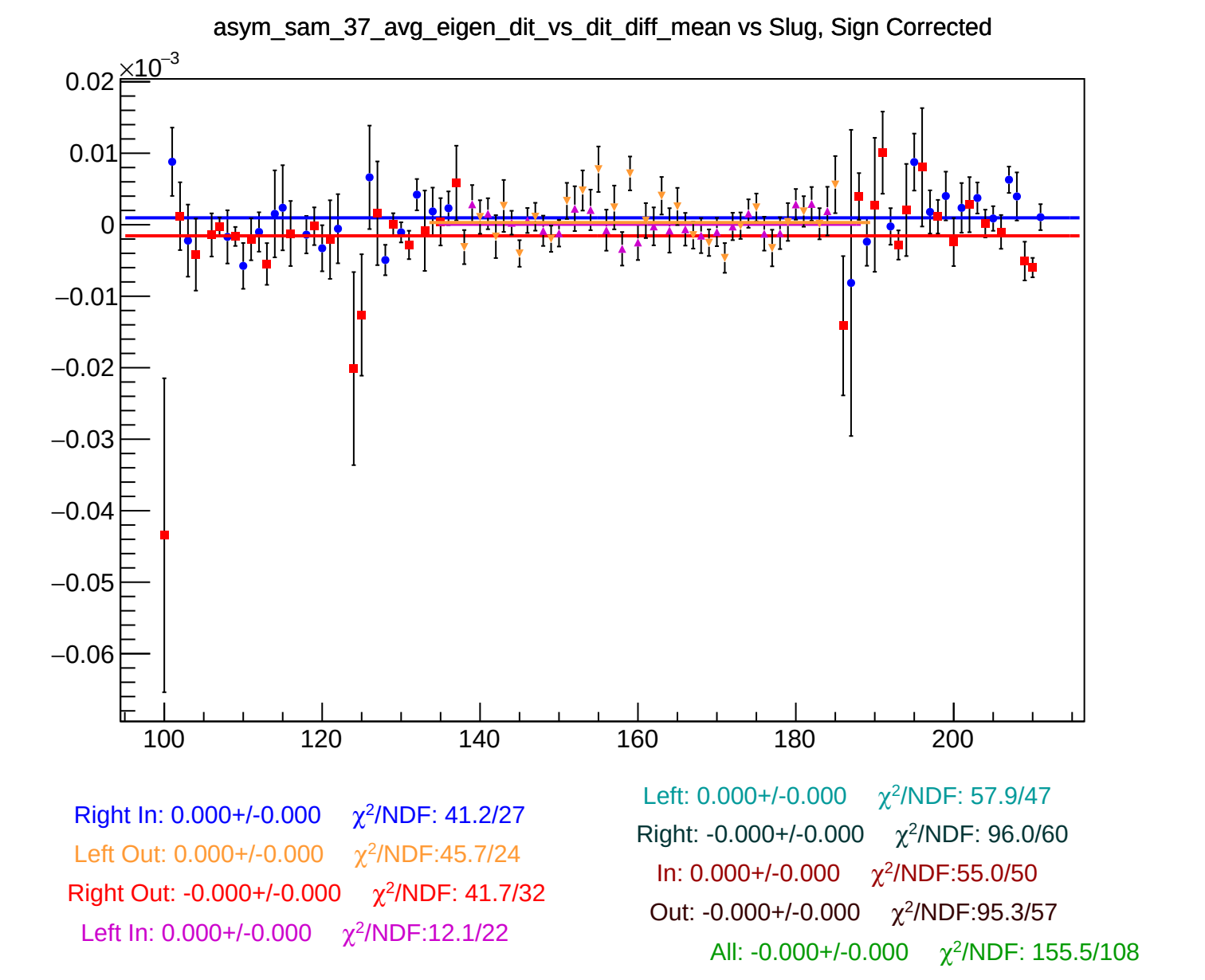
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

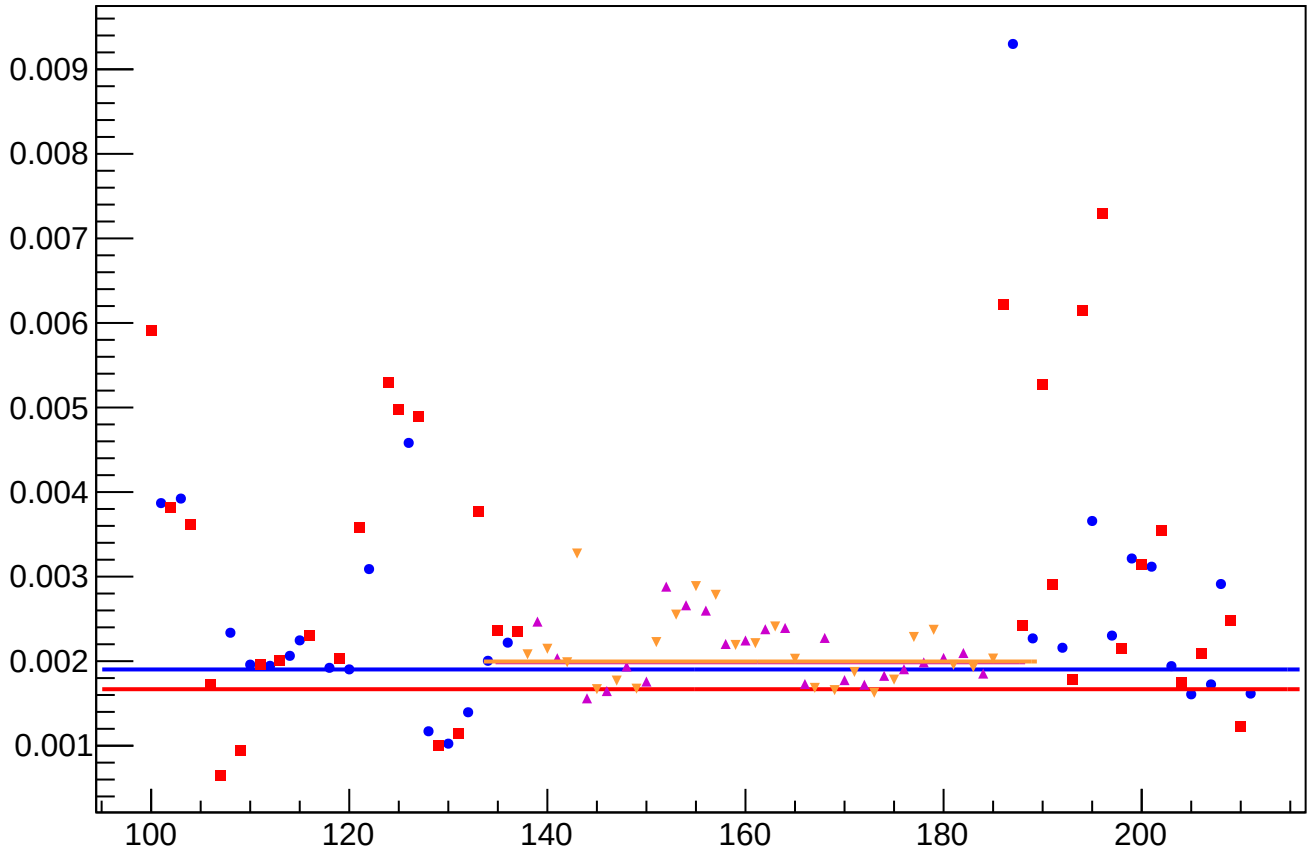
Right: 35.475+/-0.005 χ^2/NDF: 12337689.0/60

In: 27.014+/-0.004 χ^2/NDF:15644844.9/50

Out: 31.238+/-0.004 χ^2/NDF:14147919.7/57

All: 28.953+/-0.003 χ^2/NDF: 30310893.2/108


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: 41.2/27
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.7/32
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: 96.0/60
In: 0.000+/-0.000 χ²/NDF:55.0/50
Out: -0.000+/-0.000 χ²/NDF:95.3/57
All: -0.000+/-0.000 χ²/NDF: 155.5/108



Right In: 0.002+/-0.000 χ^2/NDF: 3804373.2/27

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8952215.2/32

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

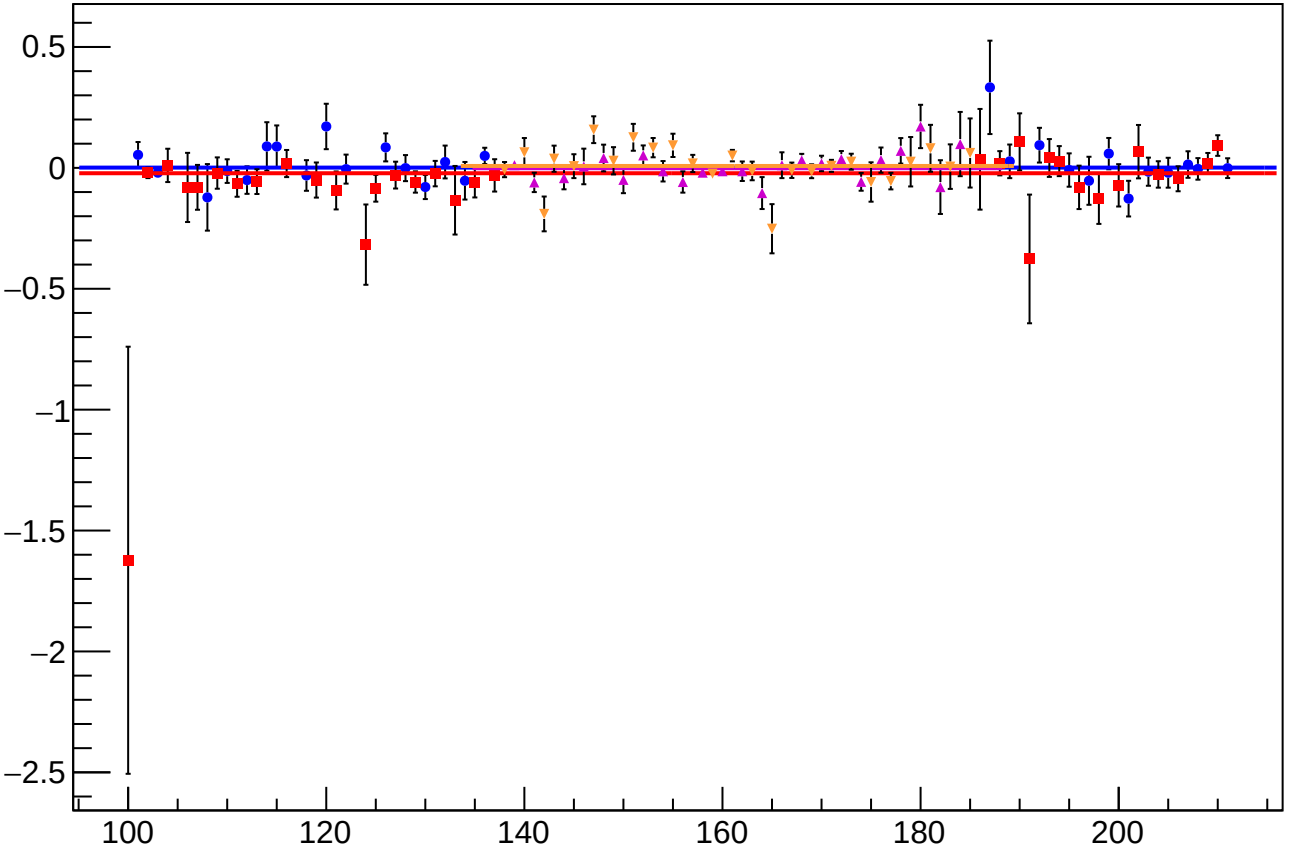
Right: 0.002+/-0.000 χ^2/NDF: 12981601.5/60

In: 0.002+/-0.000 χ^2/NDF:4758001.1/50

Out: 0.002+/-0.000 χ^2/NDF:10620727.4/57

All: 0.002+/-0.000 χ^2/NDF: 15491879.0/108

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.022+/-0.010 χ^2/NDF: 28.6/32

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

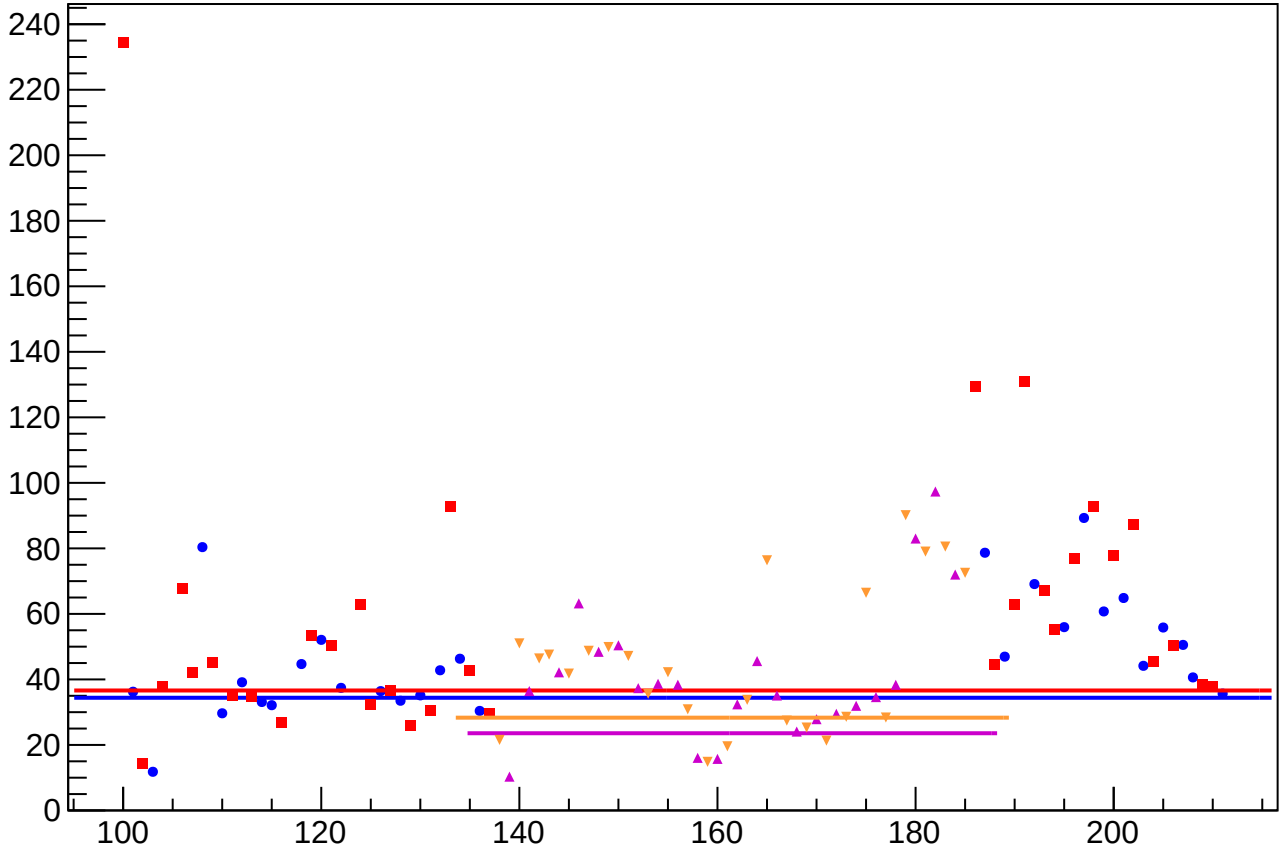
Right: -0.010+/-0.007 χ^2/NDF: 56.9/60

In: -0.001+/-0.006 χ^2/NDF:50.9/50

Out: -0.003+/-0.006 χ^2/NDF:81.7/57

All: -0.002+/-0.004 χ^2/NDF: 132.6/108

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.400+/-0.007 χ^2/NDF: 5772366.1/27

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.623+/-0.007 χ^2/NDF: 6516582.4/32

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

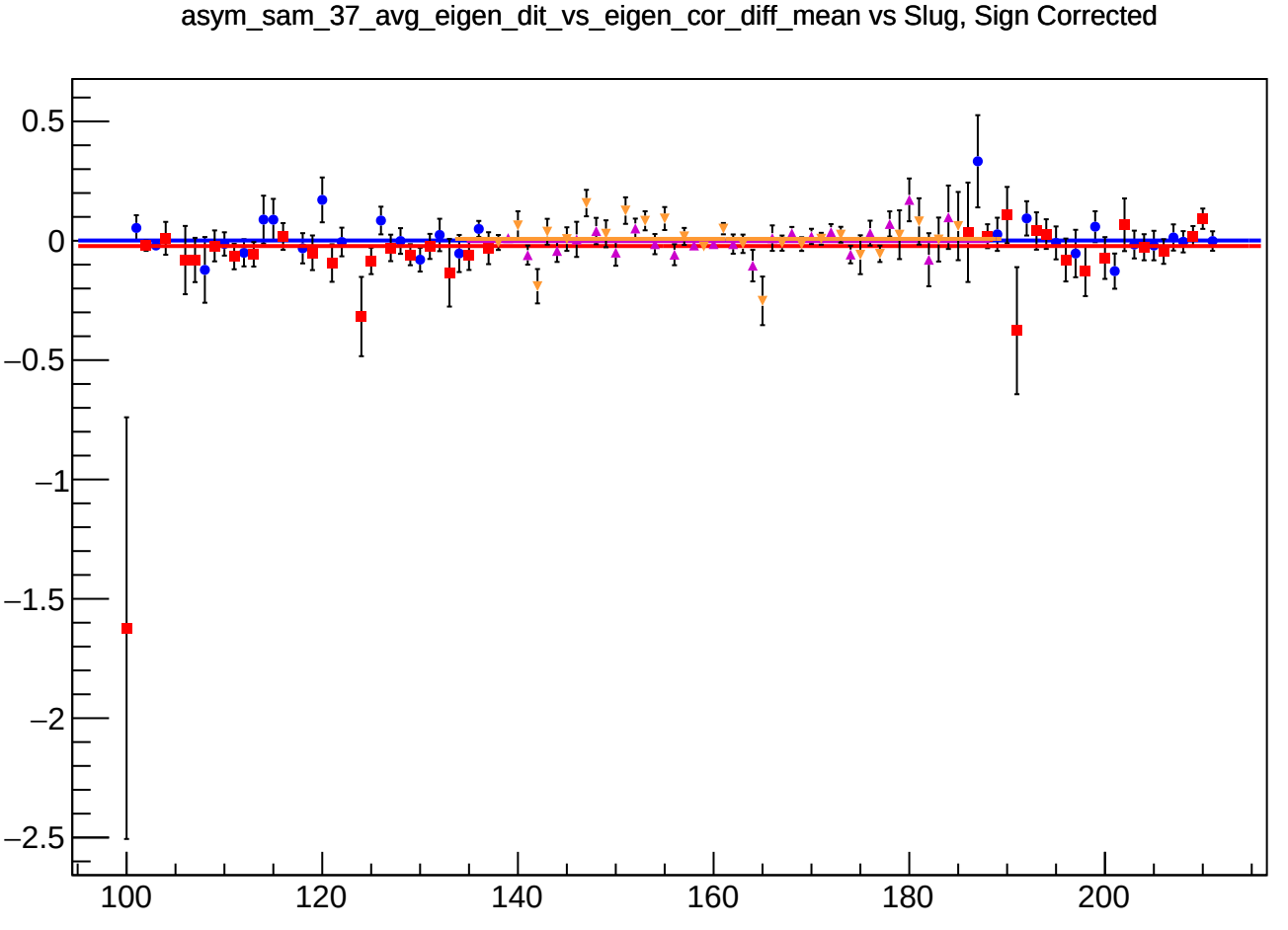
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.476+/-0.005 χ^2/NDF: 12337042.7/60

In: 27.013+/-0.004 χ^2/NDF:15646491.4/50

Out: 31.238+/-0.004 χ^2/NDF:14147712.4/57

All: 28.952+/-0.003 χ^2/NDF: 30312710.3/108



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/27

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.022+/-0.010 χ^2/NDF: 28.6/32

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

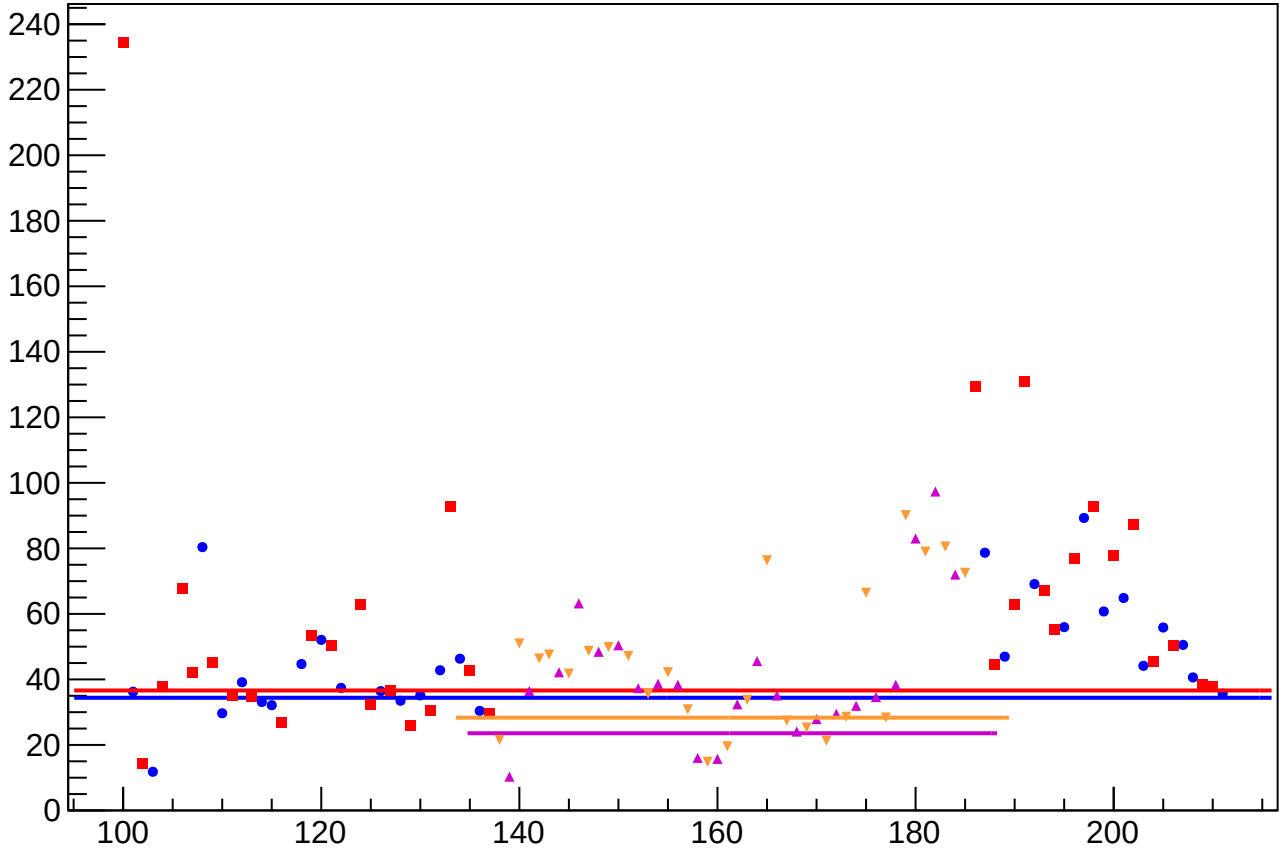
Right: -0.010+/-0.007 χ^2/NDF: 56.9/60

In: -0.001+/-0.006 χ^2/NDF:50.9/50

Out: -0.003+/-0.006 χ^2/NDF:81.7/57

All: -0.002+/-0.004 χ^2/NDF: 132.6/108

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.400+/-0.007 χ^2/NDF: 5772366.1/27

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.623+/-0.007 χ^2/NDF: 6516582.4/32

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

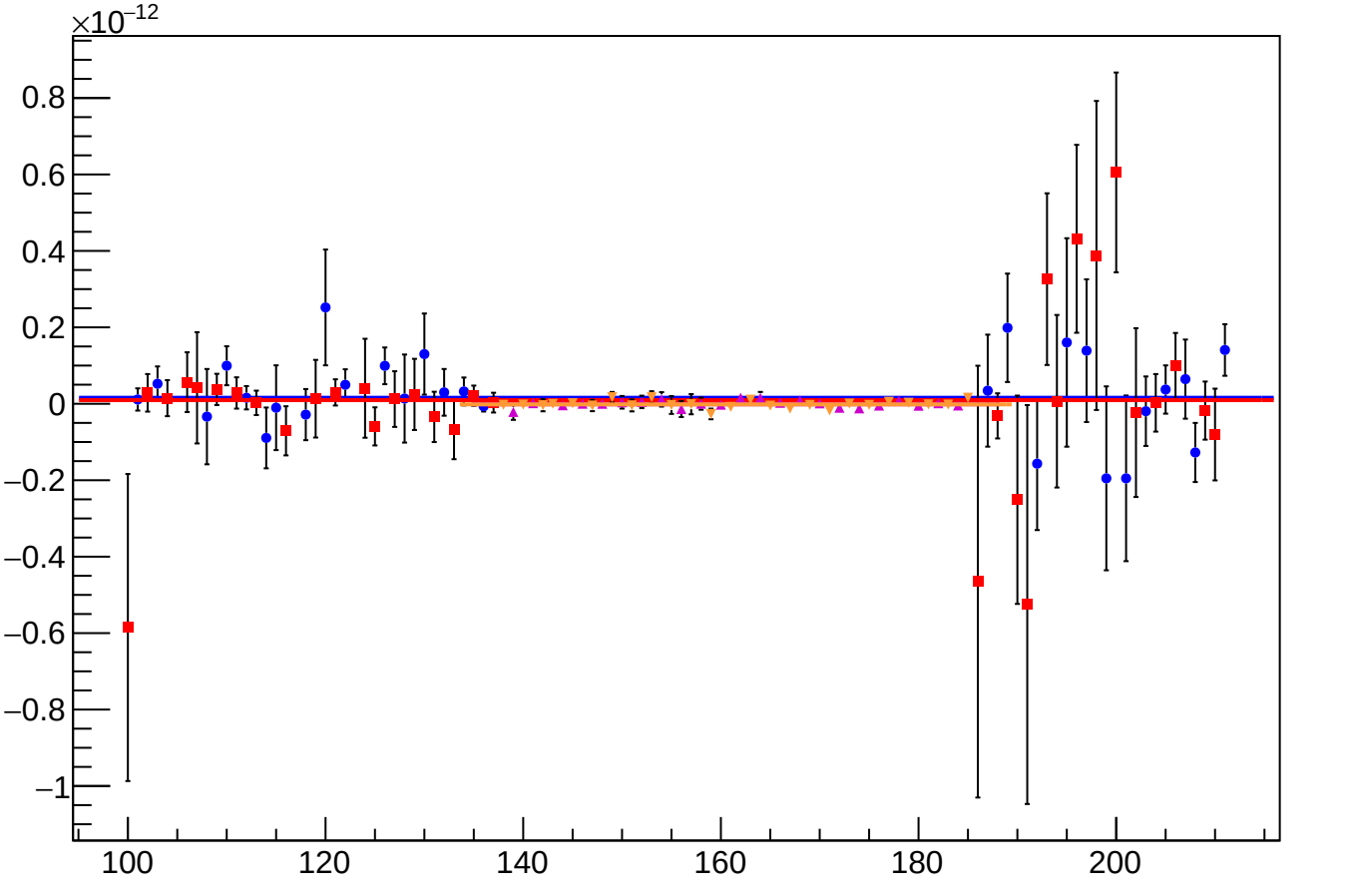
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.476+/-0.005 χ^2/NDF: 12337042.7/60

In: 27.013+/-0.004 χ^2/NDF:15646491.4/50

Out: 31.238+/-0.004 χ^2/NDF:14147712.4/57

All: 28.952+/-0.003 χ^2/NDF: 30312710.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/32

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

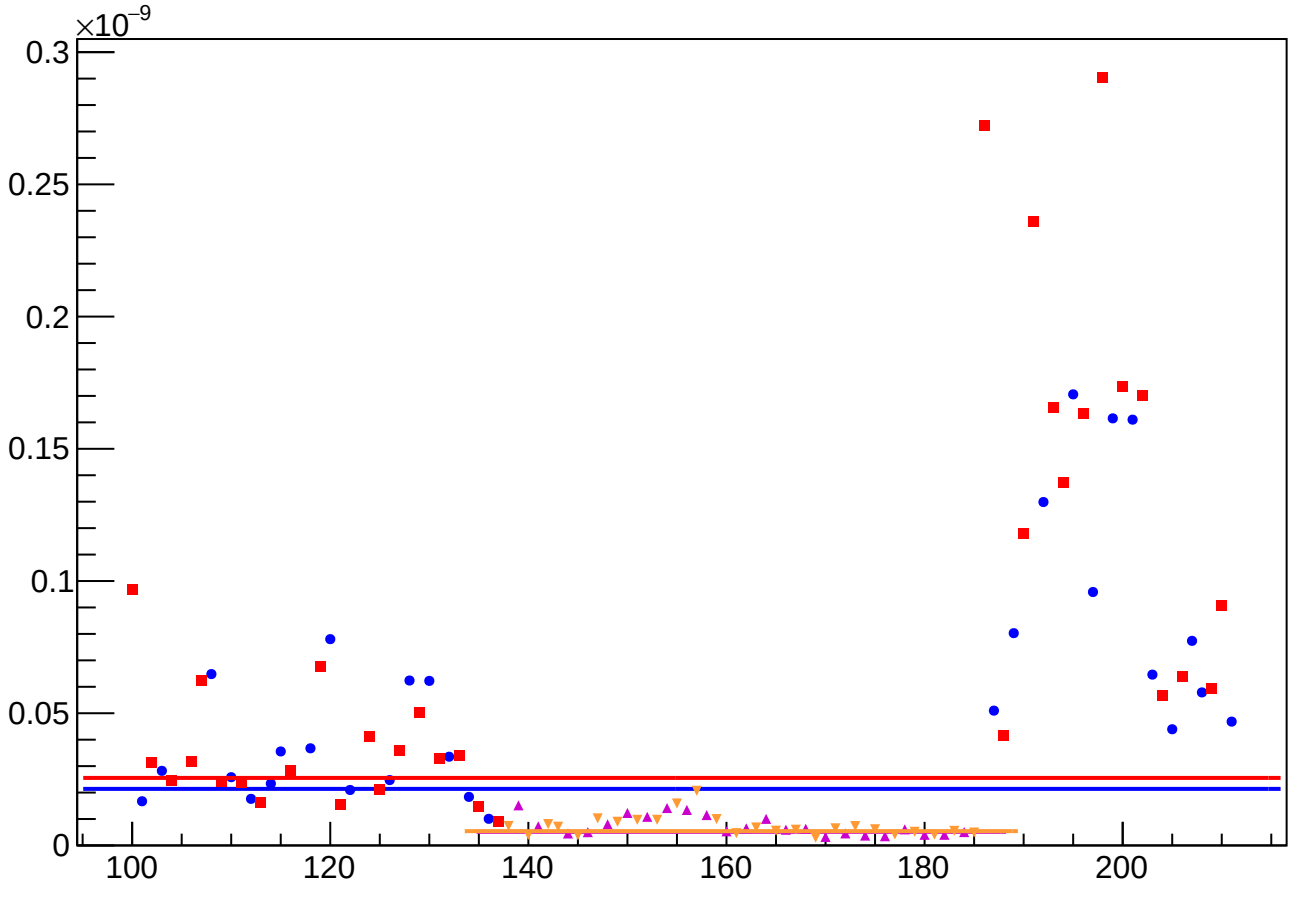
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.6/60

In: -0.000+/-0.000 χ^2/NDF:47.7/50

Out: -0.000+/-0.000 χ^2/NDF:43.7/57

All: -0.000+/-0.000 χ^2/NDF: 91.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 8460500.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9418992.8/32

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

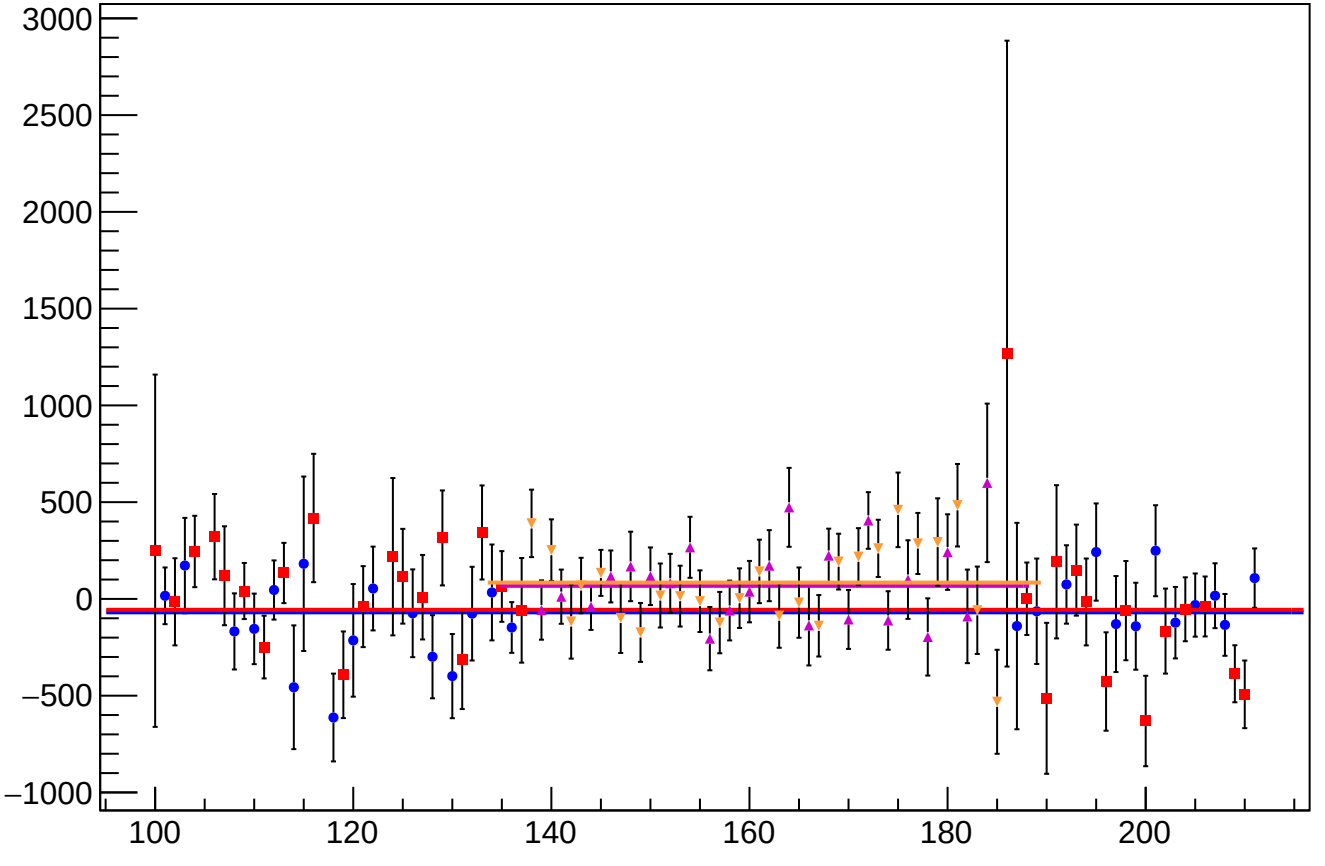
Right: 0.000+/-0.000 χ^2/NDF: 18063434.0/60

In: 0.000+/-0.000 χ^2/NDF:18078966.0/50

Out: 0.000+/-0.000 χ^2/NDF:19956330.2/57

All: 0.000+/-0.000 χ^2/NDF: 38054990.2/108

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -69.251+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -56.323+/-37.579 χ^2/NDF: 44.4/32

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

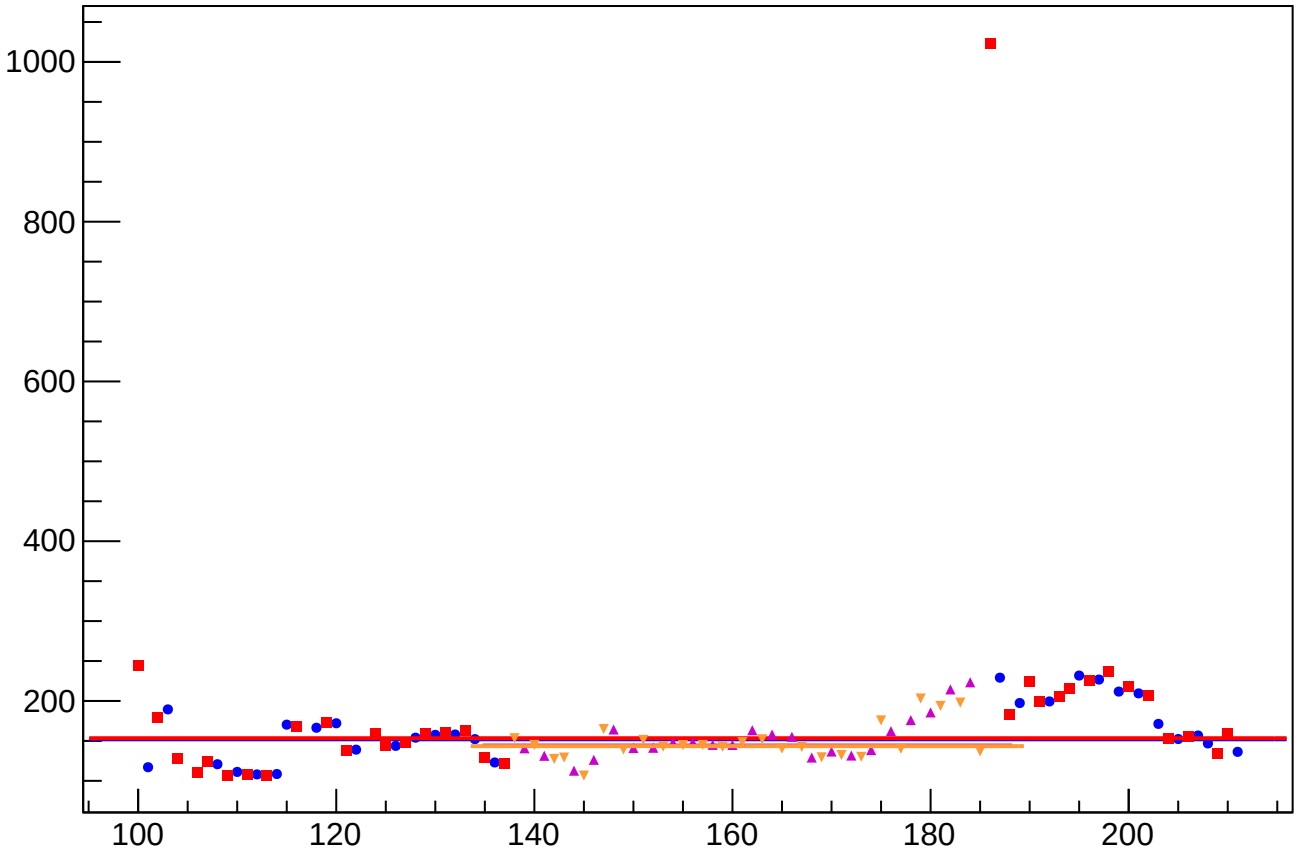
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -62.648+/-26.855 χ^2/NDF: 64.8/60

In: 7.203+/-25.511 χ^2/NDF:54.0/50

Out: 23.012+/-24.811 χ^2/NDF:86.2/57

All: 15.328+/-17.786 χ^2/NDF: 140.3/108



Right In: 152.037+/-0.027 χ^2/NDF: 1542396.4/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.346+/-0.027 χ^2/NDF: 2477169.9/32

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

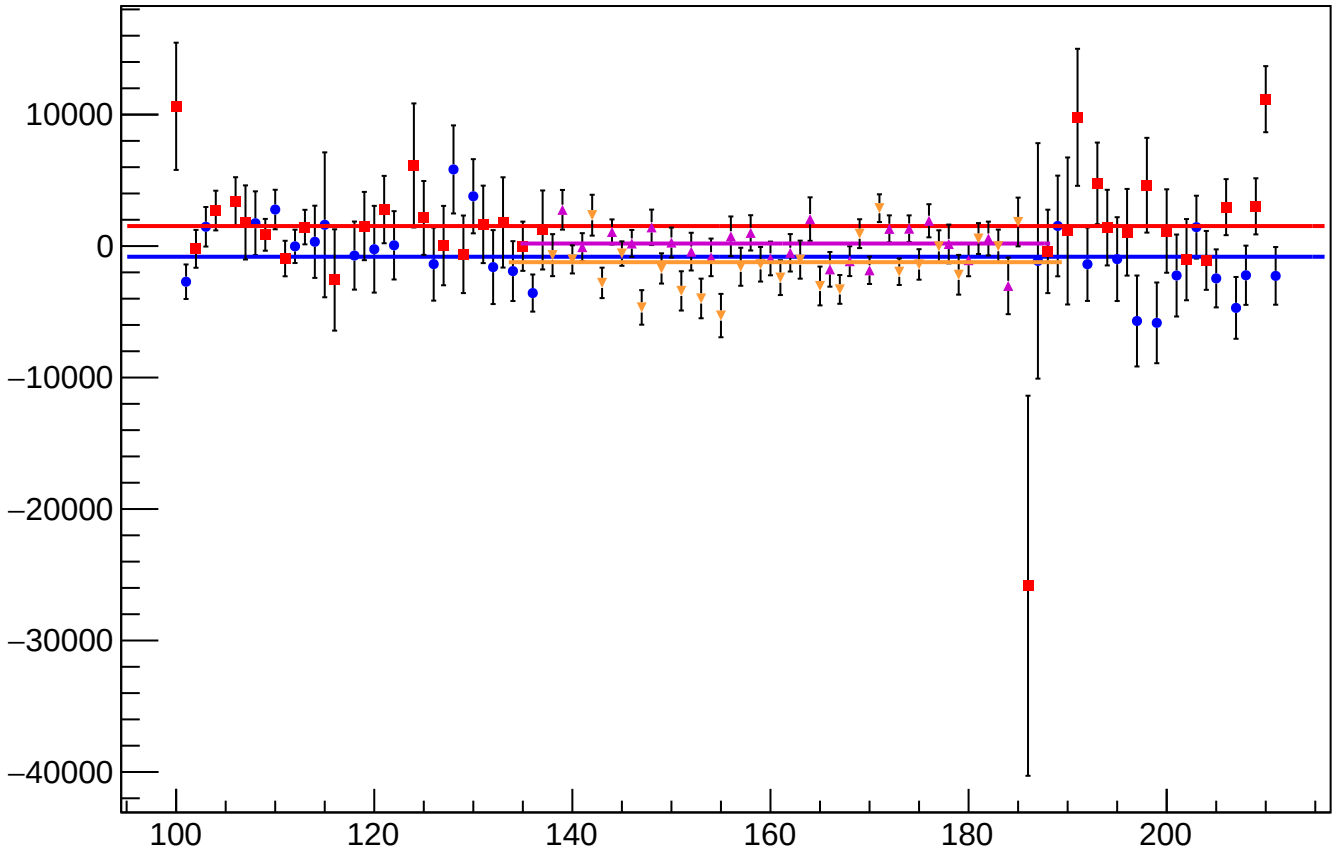
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 152.706+/-0.019 χ^2/NDF: 4020753.9/60

In: 147.644+/-0.018 χ^2/NDF:2292001.6/50

Out: 147.760+/-0.018 χ^2/NDF:3302549.6/57

All: 147.704+/-0.013 χ^2/NDF: 5594572.7/108



Right In: -812.406+/-424.720 χ^2/NDF: 33.2/27

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1522.087+/-404.021 χ^2/NDF: 40.2/32

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

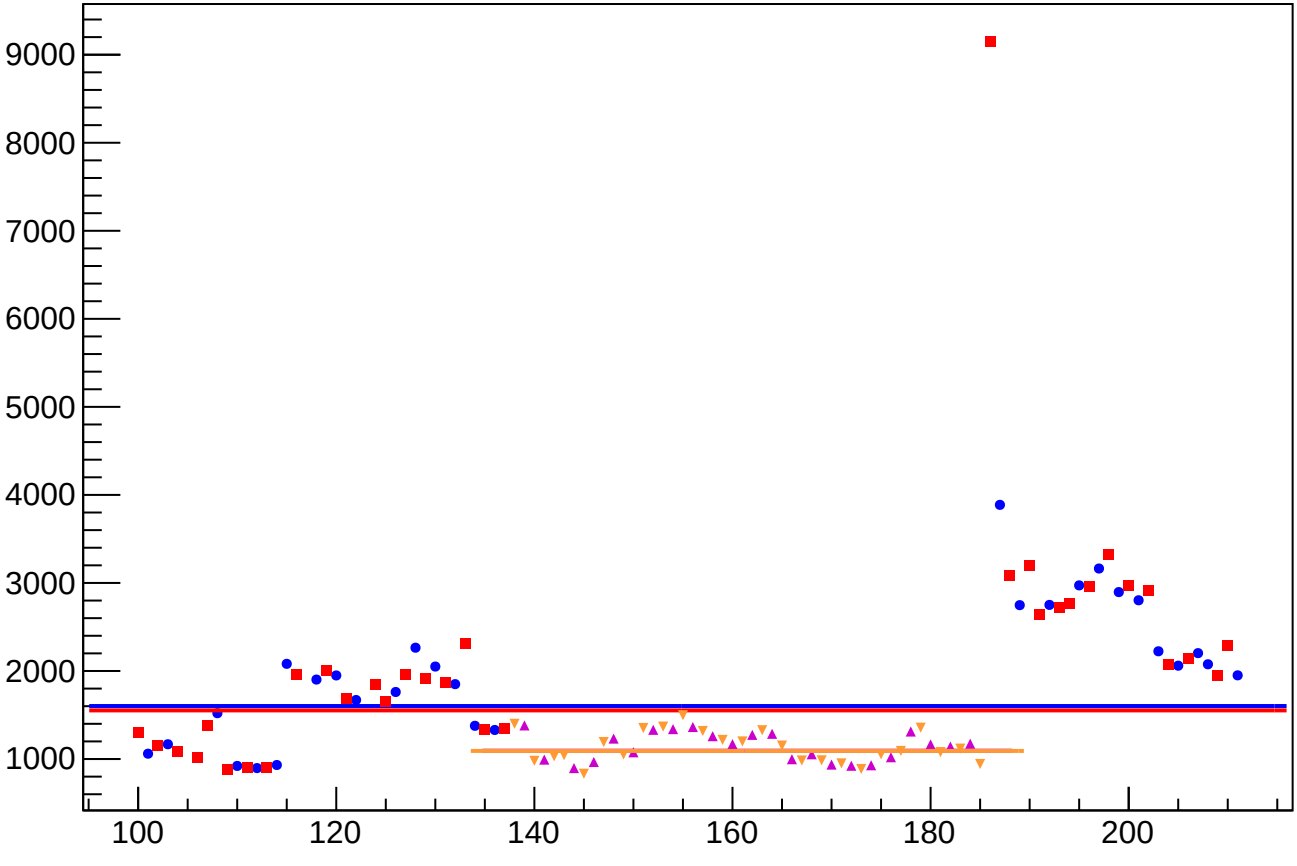
Right: 413.111+/-292.730 χ^2/NDF: 89.3/60

In: -78.827+/-221.079 χ^2/NDF:60.6/50

Out: -456.661+/-213.675 χ^2/NDF:132.8/57

All: -274.176+/-153.642 χ^2/NDF: 194.9/108

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1601.935+/-0.300 χ^2/NDF: 4535468.2/27

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1552.380+/-0.286 χ^2/NDF: 6476340.5/32

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

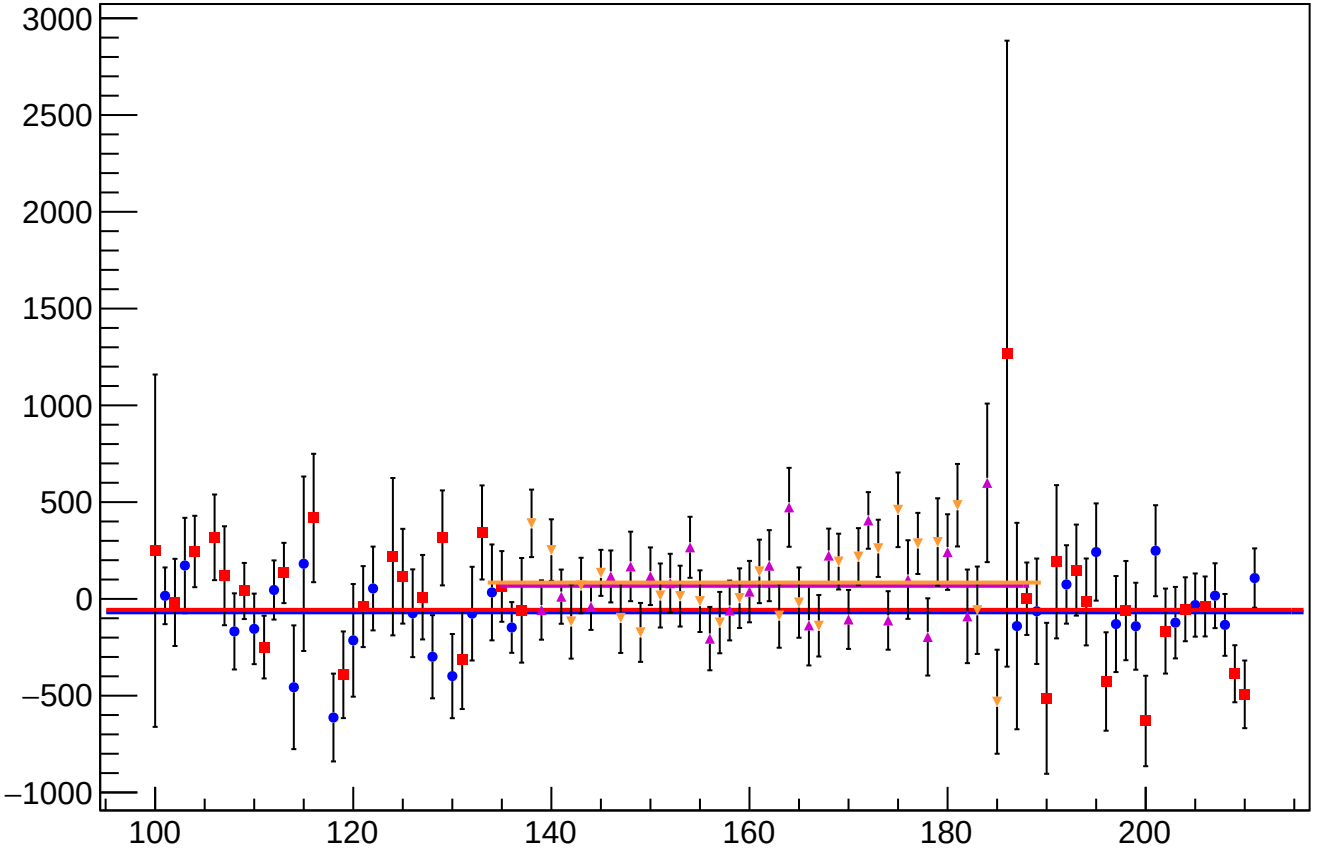
Right: 1575.921+/-0.207 χ^2/NDF: 11026102.2/60

In: 1231.974+/-0.156 χ^2/NDF:7349961.7/50

Out: 1220.756+/-0.151 χ^2/NDF:9239477.8/57

All: 1226.174+/-0.109 χ^2/NDF: 16592101.8/

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -69.258+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -56.585+/-37.583 χ^2/NDF: 44.4/32

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

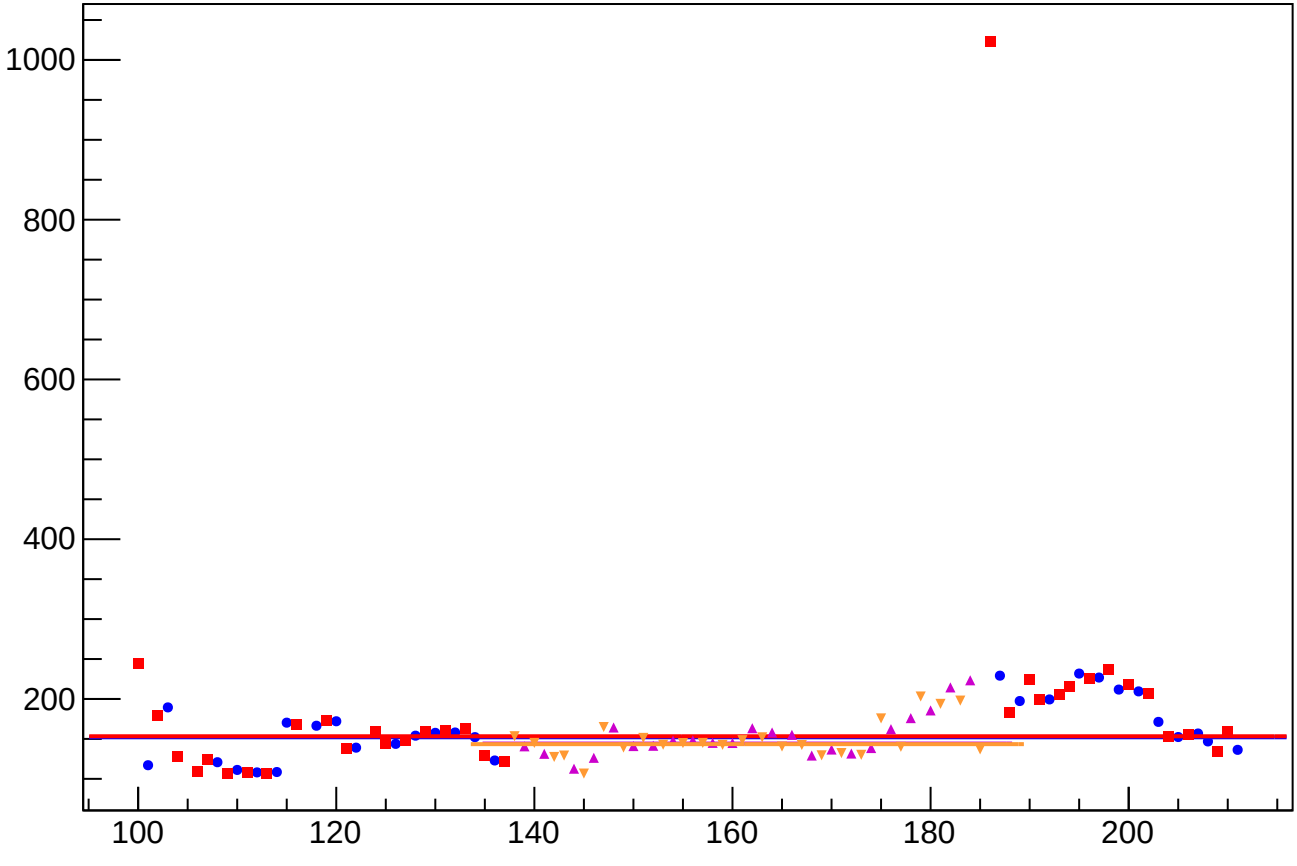
Right: -62.786+/-26.857 χ^2/NDF: 64.8/60

In: 7.201+/-25.511 χ^2/NDF:54.0/50

Out: 22.913+/-24.812 χ^2/NDF:86.1/57

All: 15.275+/-17.787 χ^2/NDF: 140.3/108

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 152.037+/-0.027 χ^2/NDF: 1542398.7/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.309+/-0.027 χ^2/NDF: 2482546.1/32

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

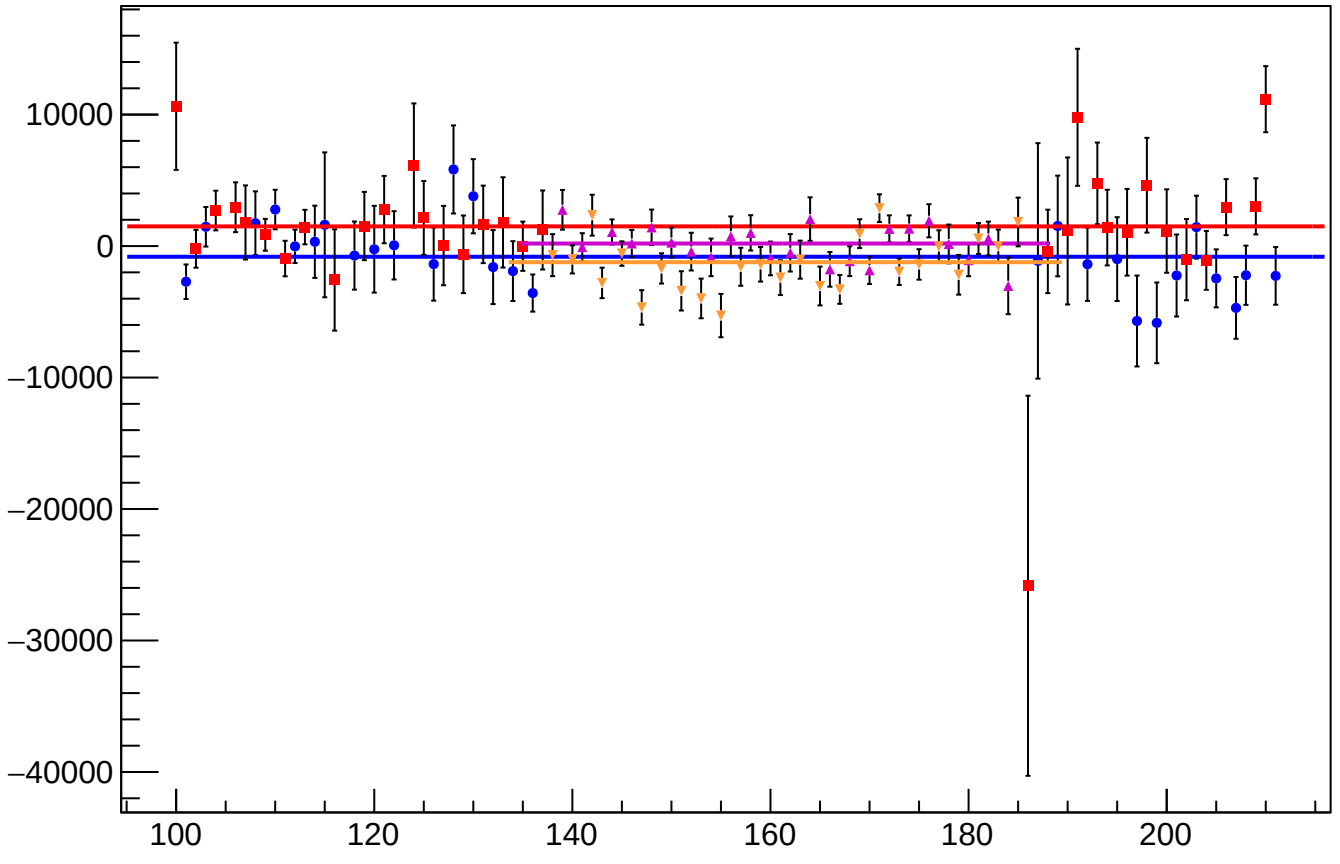
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 152.687+/-0.019 χ^2/NDF: 4026066.4/60

In: 147.644+/-0.018 χ^2/NDF:2292004.3/50

Out: 147.744+/-0.018 χ^2/NDF:3307335.4/57

All: 147.695+/-0.013 χ^2/NDF: 5599355.4/108



Right In: -812.461+/-424.723 χ^2/NDF: 33.2/27

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1497.016+/-404.614 χ^2/NDF: 39.7/32

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

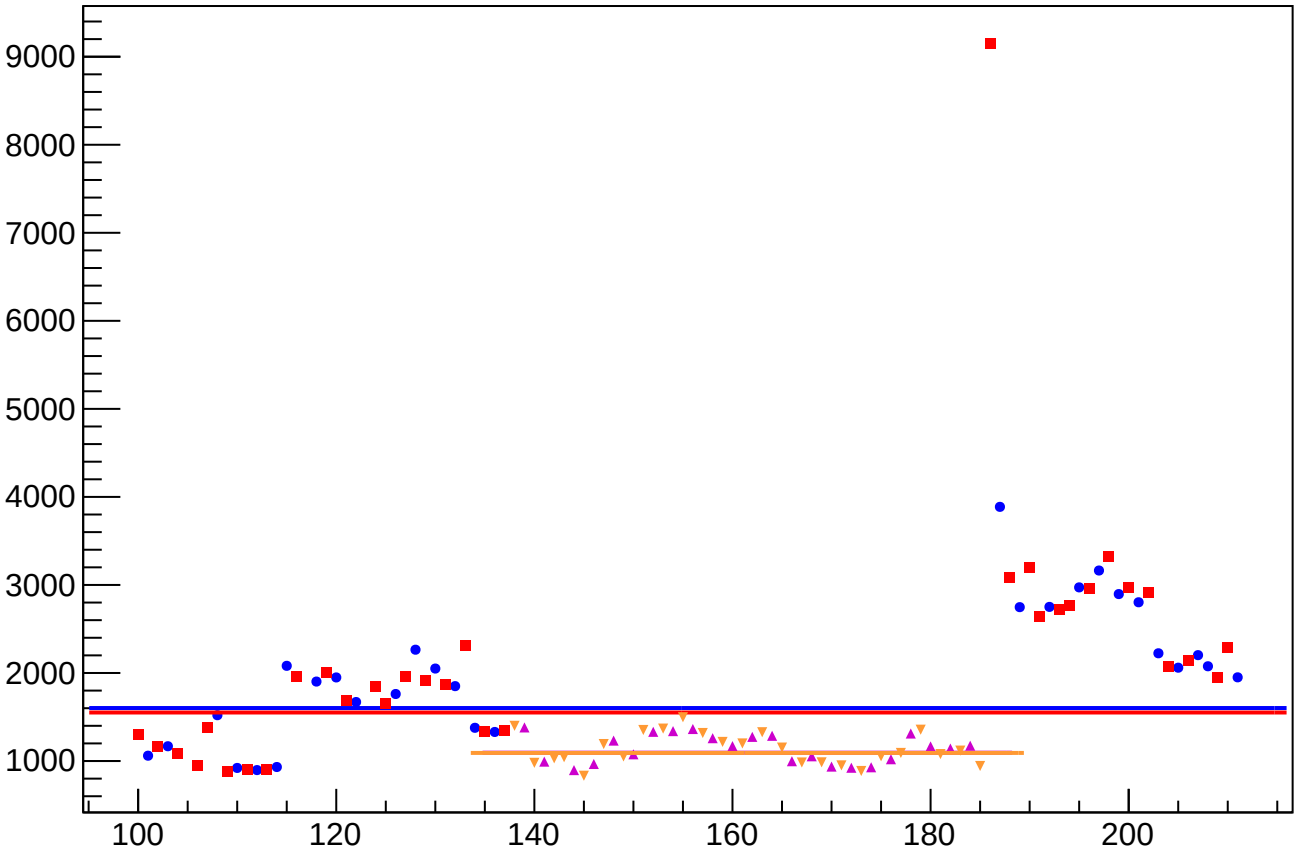
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 398.244+/-292.956 χ^2/NDF: 88.4/60

In: -78.837+/-221.079 χ^2/NDF:60.6/50

Out: -465.267+/-213.763 χ^2/NDF:131.6/57

All: -278.552+/-153.675 χ^2/NDF: 193.8/108



Right In: 1601.950+/-0.300 χ^2/NDF: 4535360.5/27

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF: 6504802.9/32

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

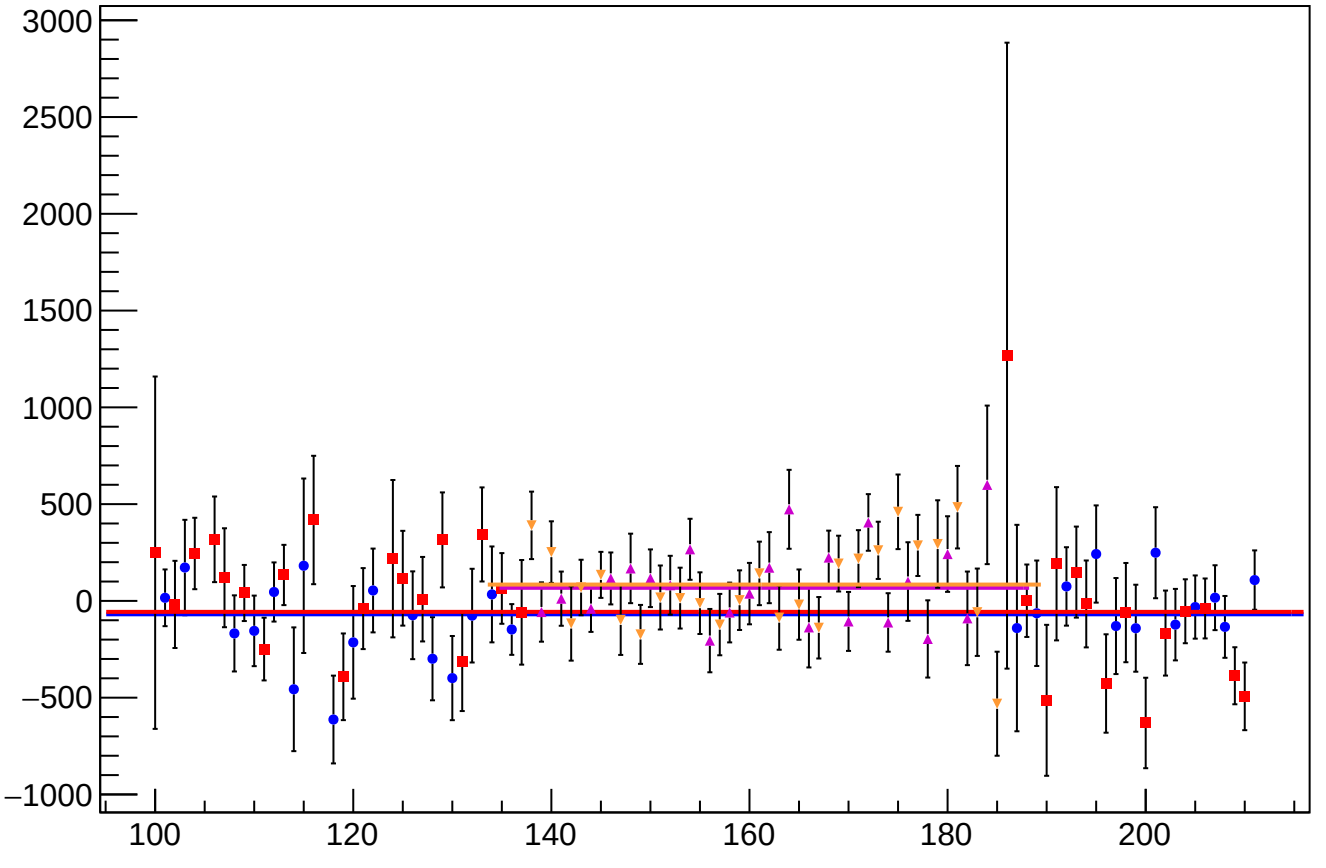
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1575.328+/-0.207 χ^2/NDF: 11055152.0/60

In: 1231.976+/-0.156 χ^2/NDF:7349947.8/50

Out: 1220.146+/-0.151 χ^2/NDF:9254179.9/57

All: 1225.862+/-0.109 χ^2/NDF: 16607087.6/1



Right In: -69.258+/-38.393 χ^2/NDF: 20.4/27

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -56.585+/-37.583 χ^2/NDF: 44.4/32

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

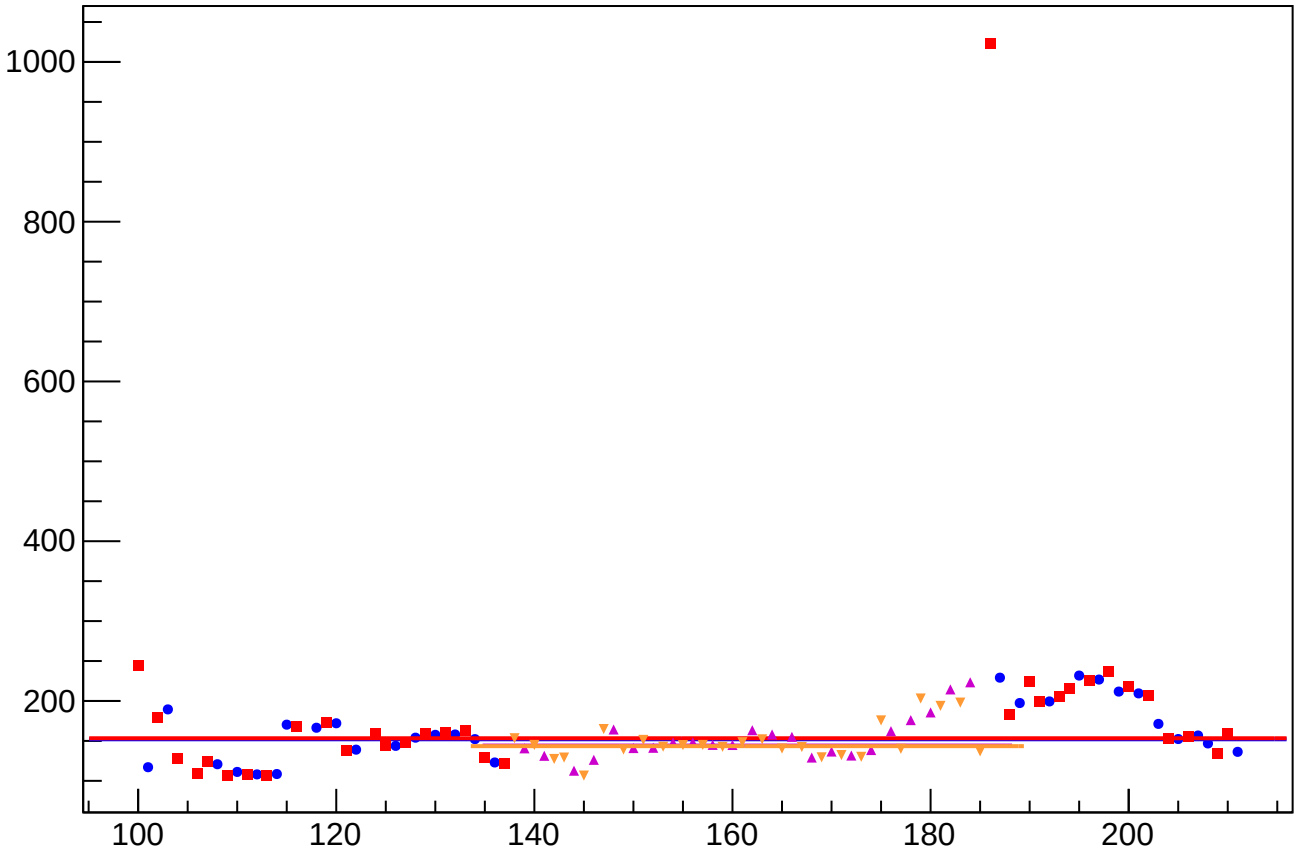
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -62.786+/-26.857 χ^2/NDF: 64.8/60

In: 7.201+/-25.511 χ^2/NDF:54.0/50

Out: 22.913+/-24.812 χ^2/NDF:86.1/57

All: 15.275+/-17.787 χ^2/NDF: 140.3/108



Right In: 152.037+/-0.027 χ^2/NDF: 1542398.7/27

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.309+/-0.027 χ^2/NDF: 2482546.1/32

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

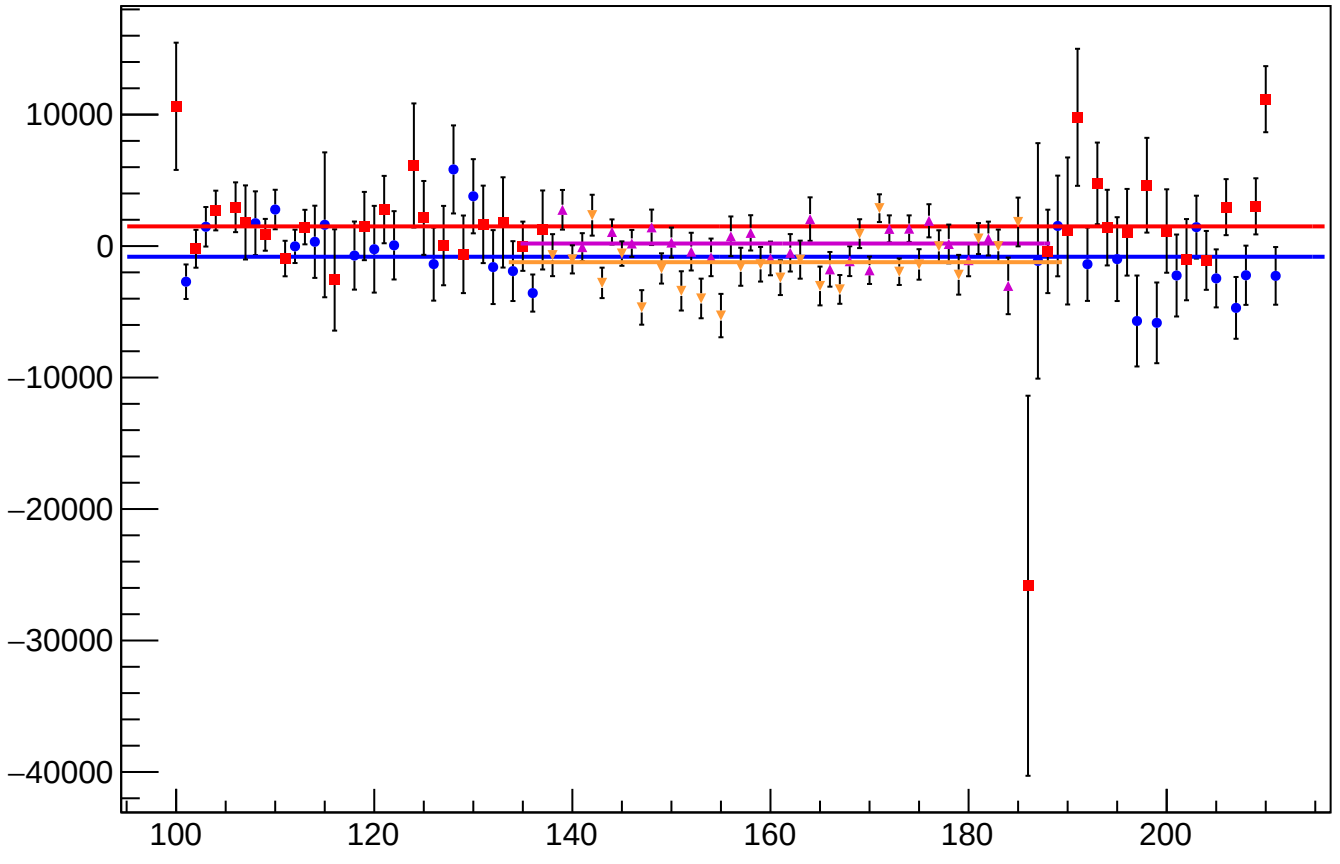
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 152.687+/-0.019 χ^2/NDF: 4026066.4/60

In: 147.644+/-0.018 χ^2/NDF:2292004.3/50

Out: 147.744+/-0.018 χ^2/NDF:3307335.4/57

All: 147.695+/-0.013 χ^2/NDF: 5599355.4/108



Right In: -812.461+/-424.723 χ^2/NDF: 33.2/27

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1497.016+/-404.614 χ^2/NDF: 39.7/32

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

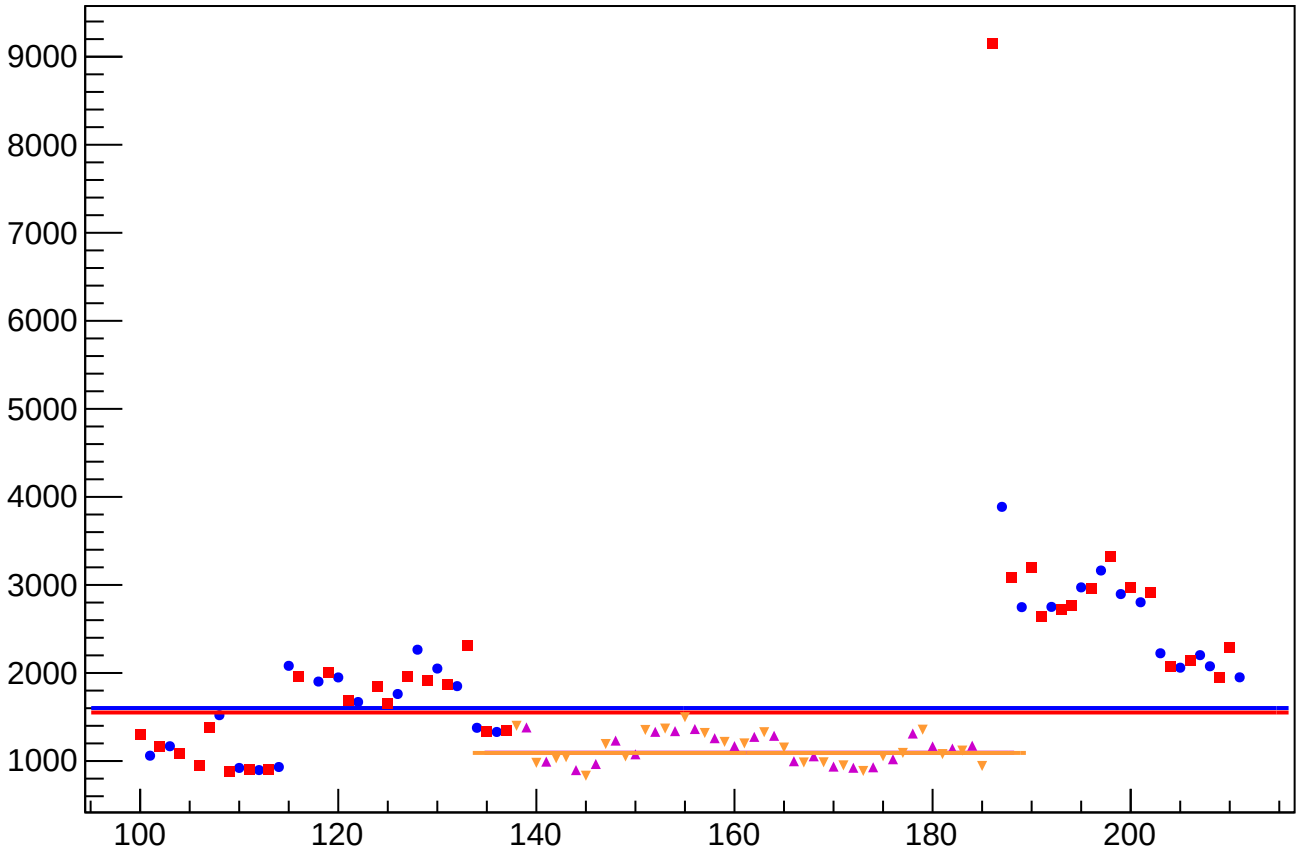
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 398.244+/-292.956 χ^2/NDF: 88.4/60

In: -78.837+/-221.079 χ^2/NDF:60.6/50

Out: -465.267+/-213.763 χ^2/NDF:131.6/57

All: -278.552+/-153.675 χ^2/NDF: 193.8/108



Right In: 1601.950+/-0.300 χ^2/NDF: 4535360.5/27

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1551.168+/-0.286 χ^2/NDF: 6504802.9/32

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

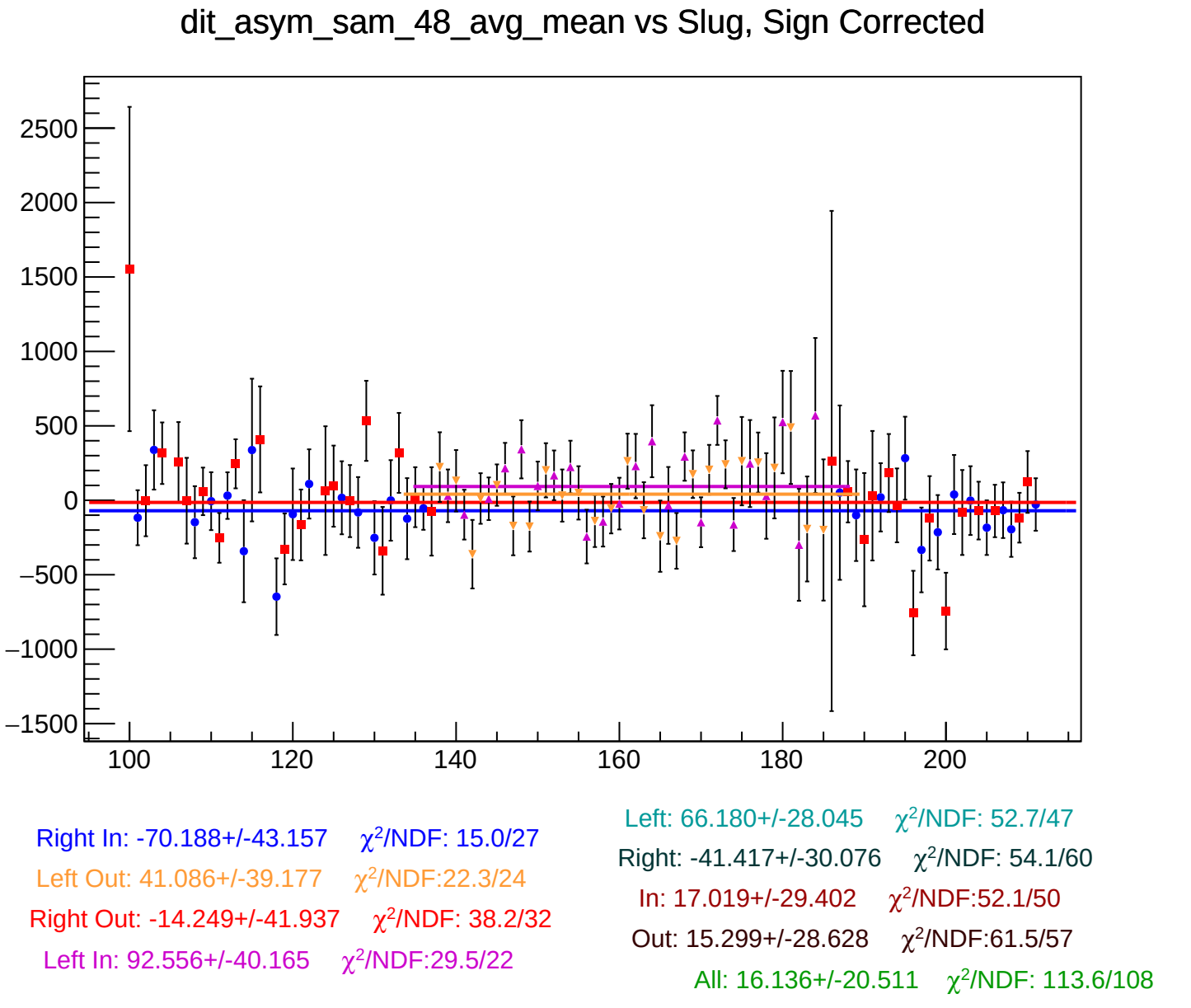
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1575.328+/-0.207 χ^2/NDF: 11055152.0/60

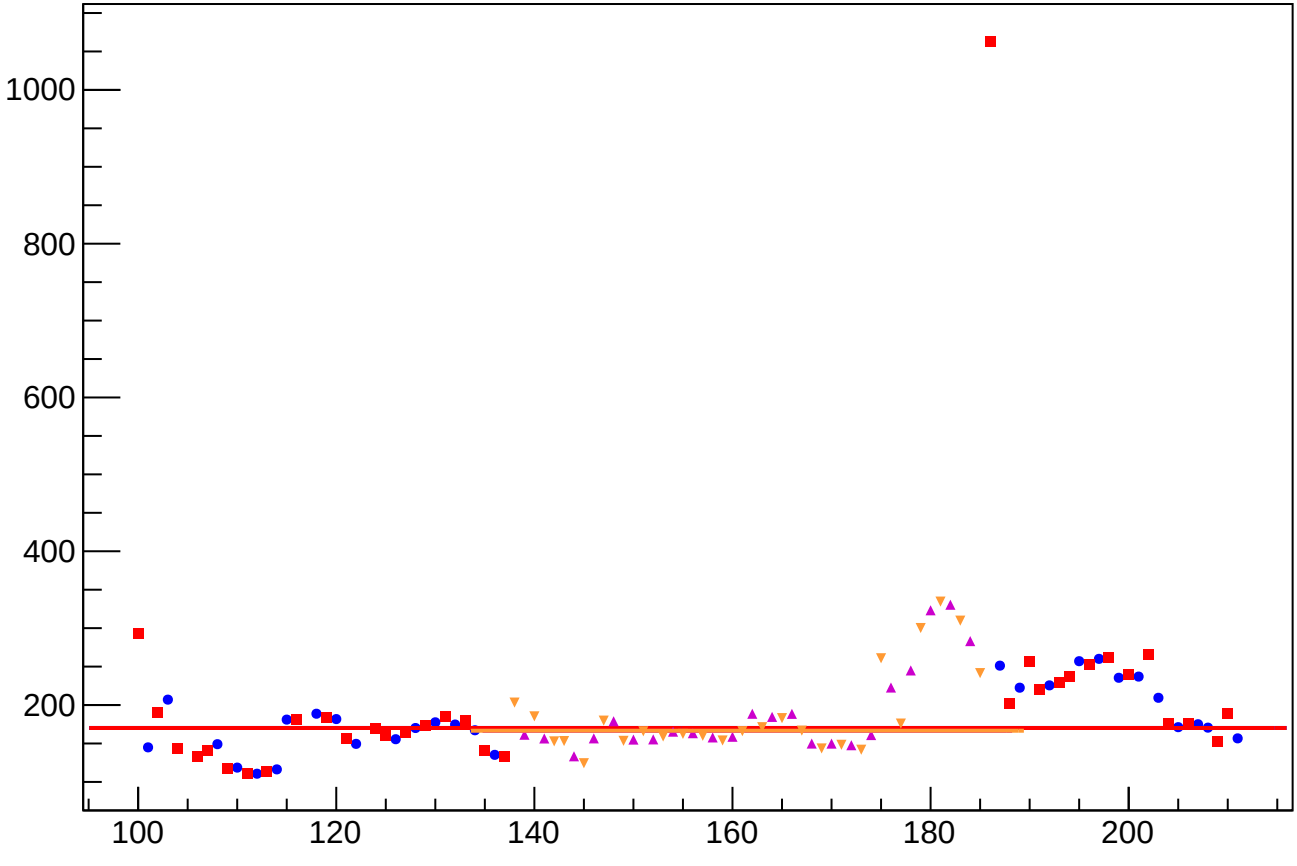
In: 1231.976+/-0.156 χ^2/NDF:7349947.8/50

Out: 1220.146+/-0.151 χ^2/NDF:9254179.9/57

All: 1225.862+/-0.109 χ^2/NDF: 16607087.6/1


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -70.188+/-43.157 χ²/NDF: 15.0/27
Left Out: 41.086+/-39.177 χ²/NDF:22.3/24
Right Out: -14.249+/-41.937 χ²/NDF: 38.2/32
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -41.417+/-30.076 χ²/NDF: 54.1/60
In: 17.019+/-29.402 χ²/NDF:52.1/50
Out: 15.299+/-28.628 χ²/NDF:61.5/57
All: 16.136+/-20.511 χ²/NDF: 113.6/108

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 170.190+/-0.031 χ^2/NDF: 1666862.7/27

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.149+/-0.030 χ^2/NDF: 2683392.4/32

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

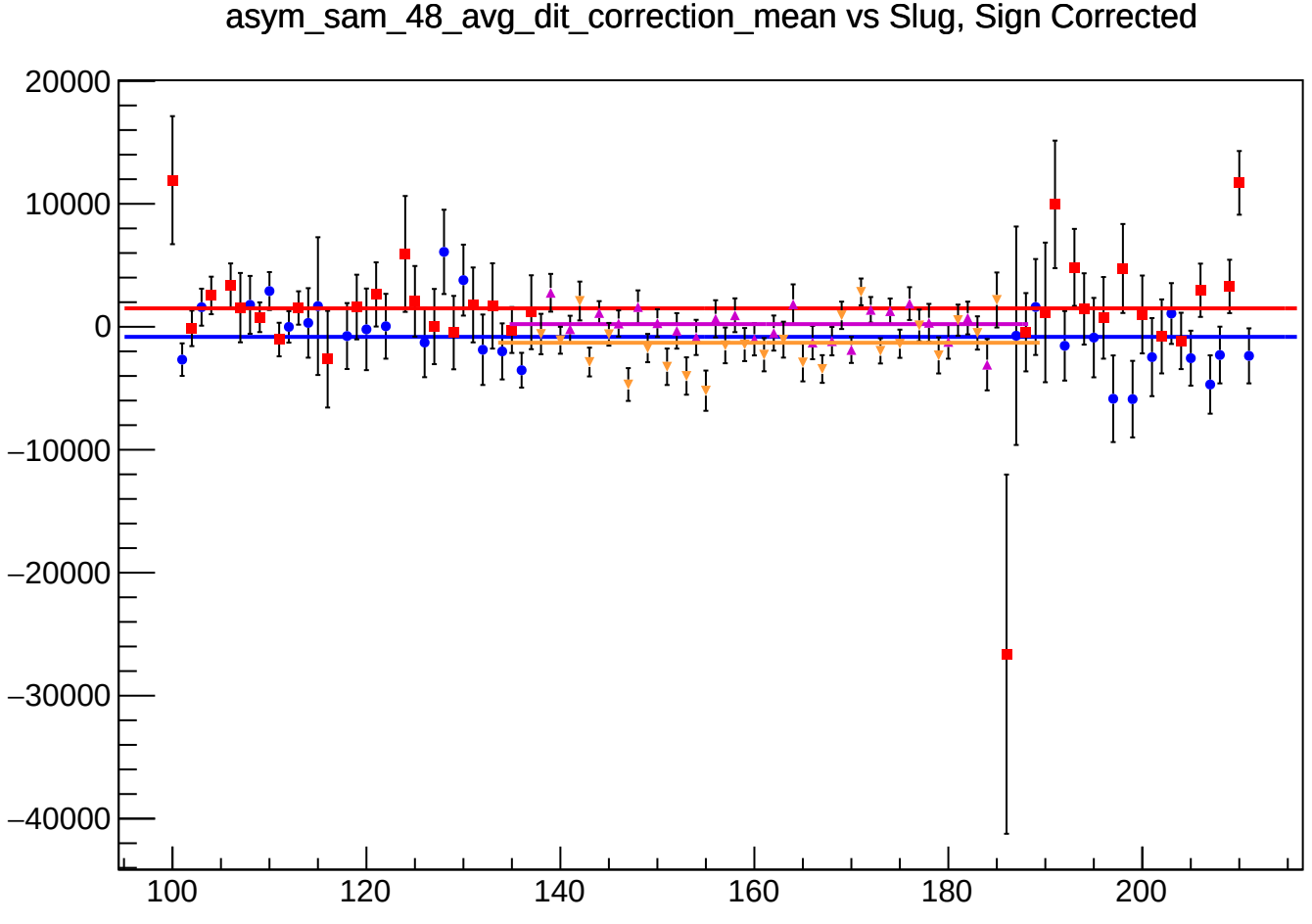
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.169+/-0.021 χ^2/NDF: 4350256.1/60

In: 168.110+/-0.021 χ^2/NDF:3067999.4/50

Out: 168.253+/-0.020 χ^2/NDF:4410883.5/57

All: 168.183+/-0.015 χ^2/NDF: 7478907.3/108



Right In: -820.229+/-429.782 χ^2/NDF: 33.4/27

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1499.123+/-407.977 χ^2/NDF: 41.7/32

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

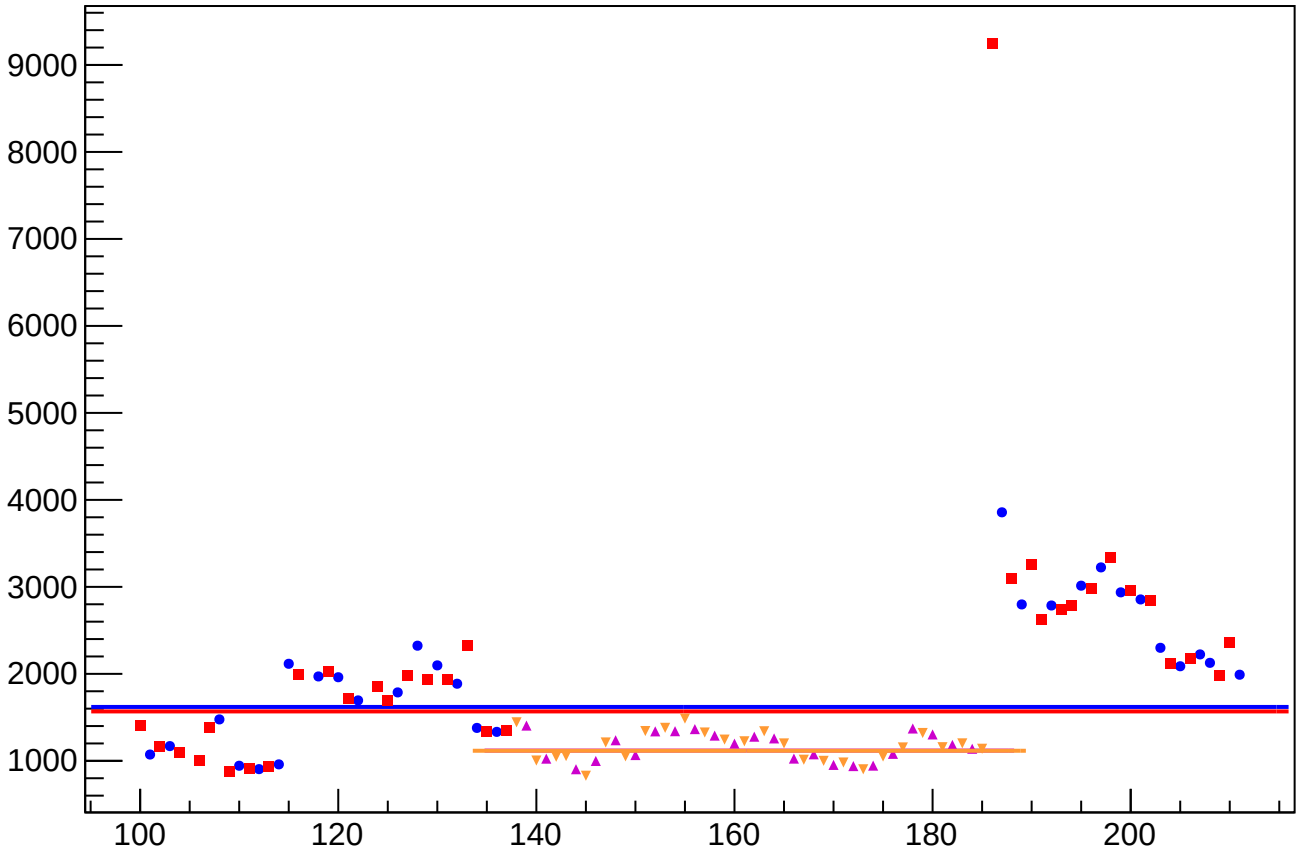
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 399.772+/-295.892 χ^2/NDF: 90.5/60

In: -67.552+/-225.190 χ^2/NDF:59.9/50

Out: -503.779+/-217.428 χ^2/NDF:130.5/57

All: -293.313+/-156.417 χ^2/NDF: 192.3/108



Right In: 1619.708+/-0.304 χ^2/NDF: 4606048.1/27

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1568.154+/-0.288 χ^2/NDF: 6474157.4/32

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

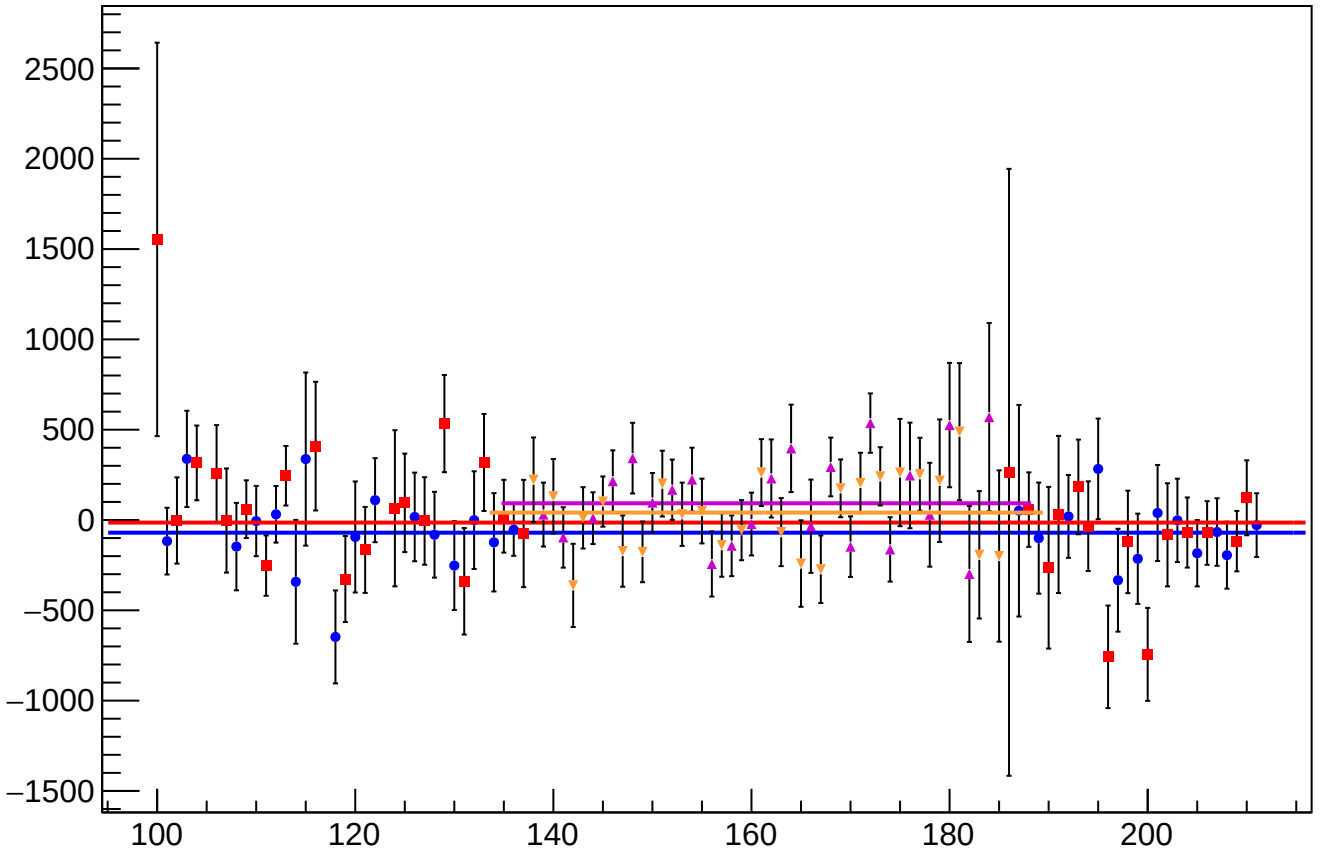
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

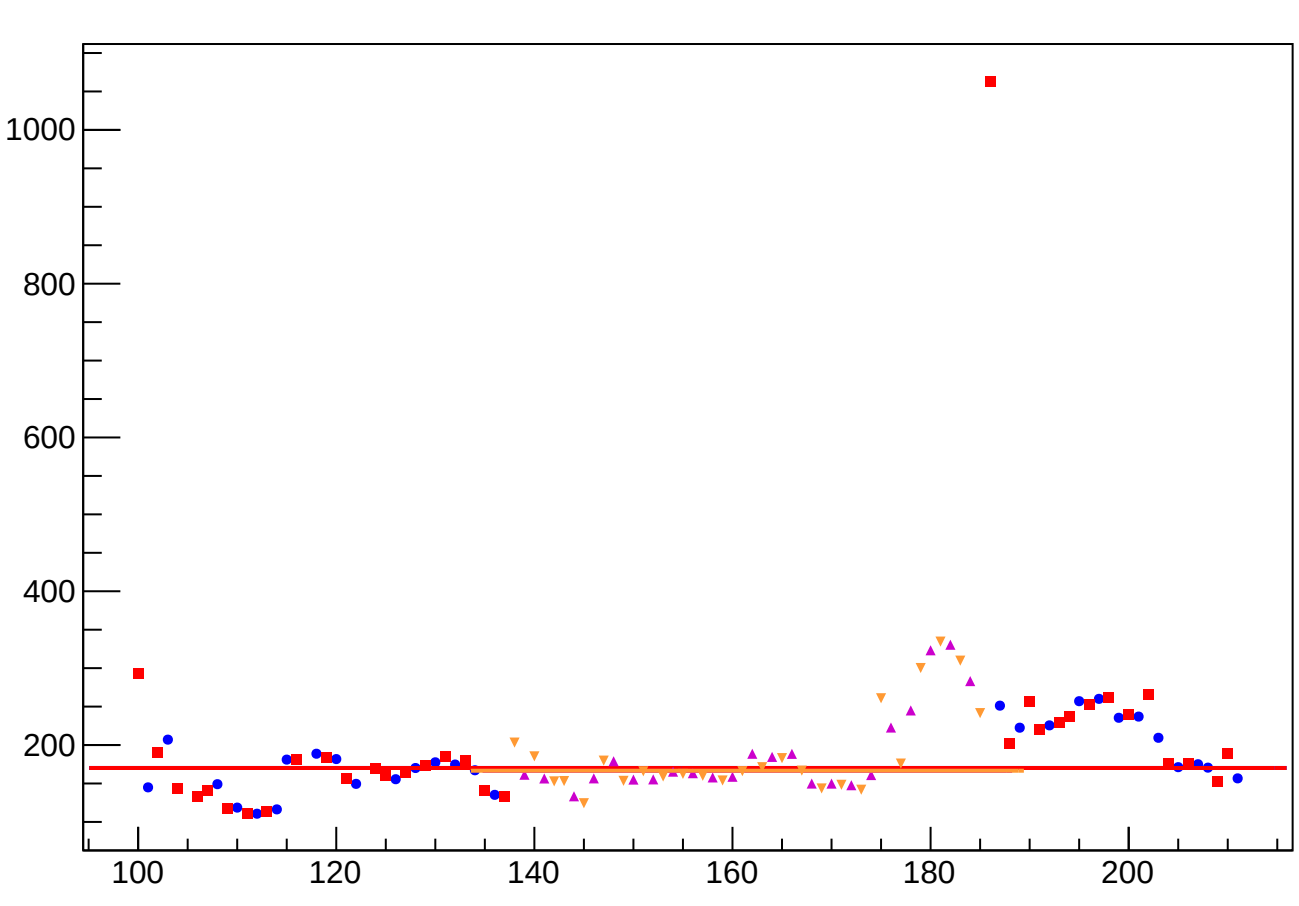
Right: 1592.590+/-0.209 χ^2/NDF: 11095343.1/60

In: 1255.615+/-0.159 χ^2/NDF:7313967.4/50

Out: 1244.448+/-0.154 χ^2/NDF:9100227.6/57

All: 1249.836+/-0.111 χ^2/NDF: 16416740.6/1


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -70.185+/-43.157 χ²/NDF: 15.0/27
Left Out: 41.088+/-39.177 χ²/NDF:22.3/24
Right Out: -14.251+/-41.937 χ²/NDF: 38.2/32
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.181+/-28.045 χ²/NDF: 52.7/47
Right: -41.417+/-30.076 χ²/NDF: 54.1/60
In: 17.021+/-29.402 χ²/NDF:52.1/50
Out: 15.299+/-28.628 χ²/NDF:61.5/57
All: 16.137+/-20.511 χ²/NDF: 113.6/108



Right In: 170.190+/-0.031 χ^2/NDF: 1666849.4/27

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 170.149+/-0.030 χ^2/NDF: 2683397.4/32

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

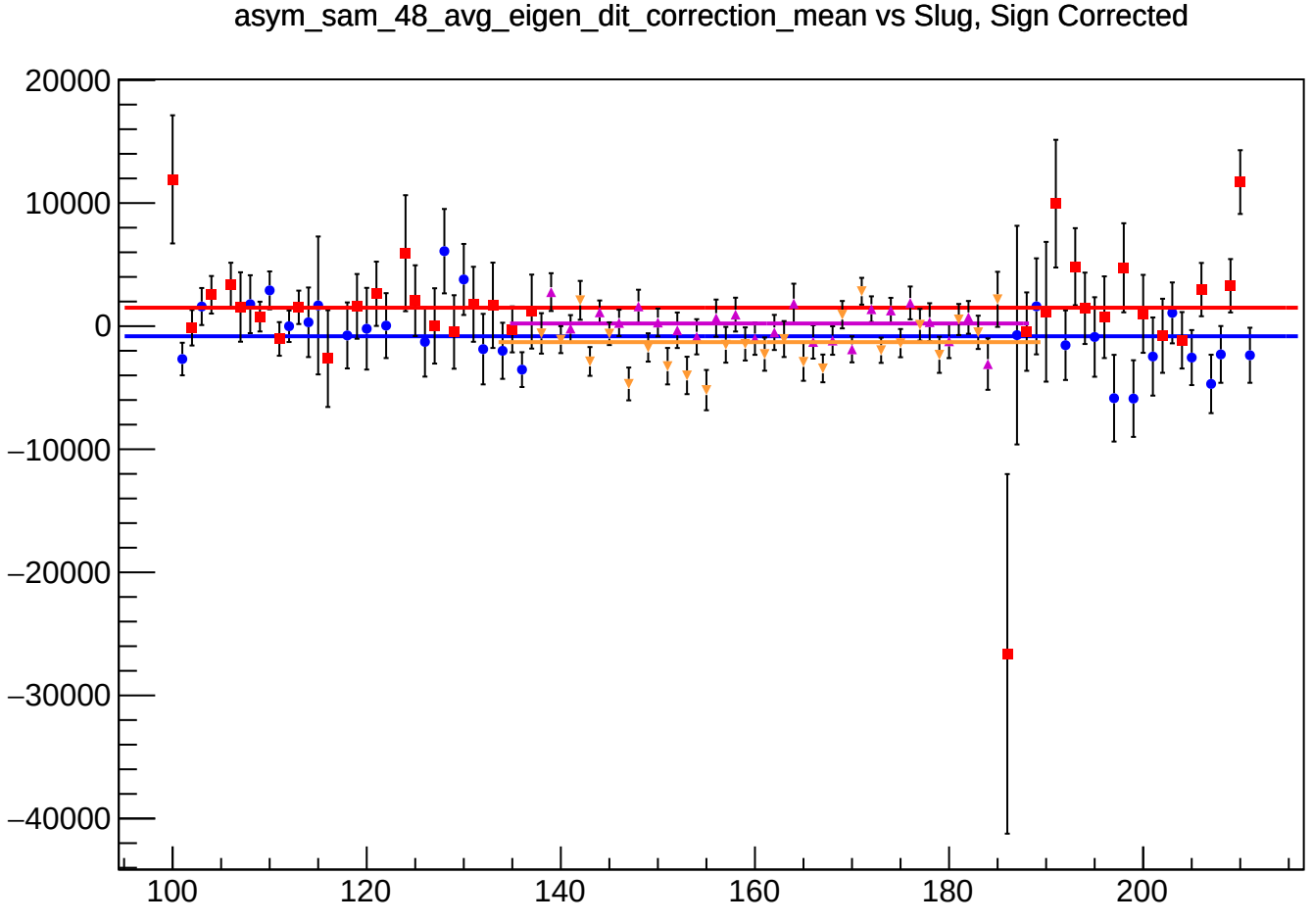
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.169+/-0.021 χ^2/NDF: 4350247.7/60

In: 168.110+/-0.021 χ^2/NDF:3067964.8/50

Out: 168.253+/-0.020 χ^2/NDF:4410880.9/57

All: 168.184+/-0.015 χ^2/NDF: 7478870.1/108



Right In: -820.227+/-429.781 χ^2/NDF: 33.4/27

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1499.120+/-407.977 χ^2/NDF: 41.7/32

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

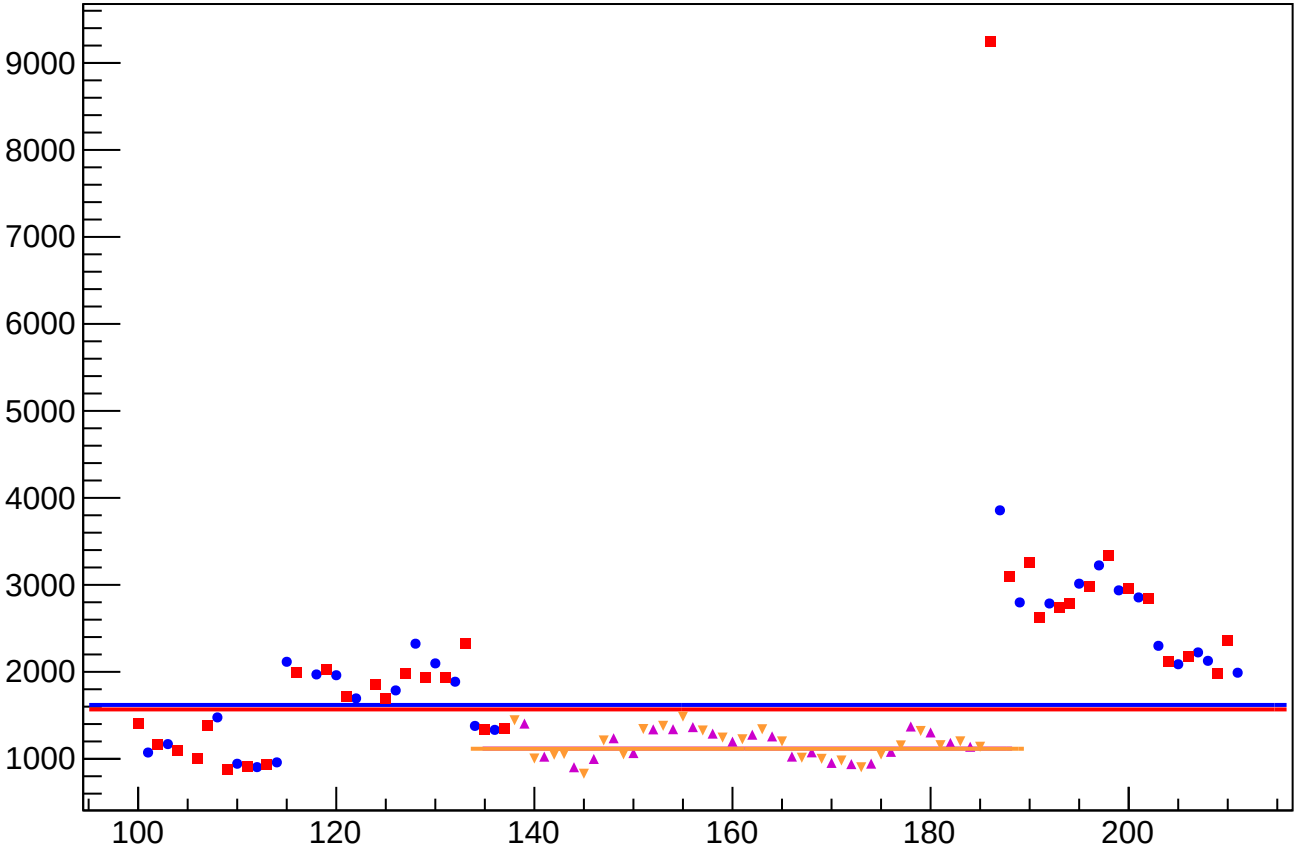
Right: 399.772+/-295.891 χ^2/NDF: 90.5/60

In: -67.552+/-225.190 χ^2/NDF:59.9/50

Out: -503.779+/-217.428 χ^2/NDF:130.5/57

All: -293.313+/-156.417 χ^2/NDF: 192.3/108

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1619.706+/-0.304 χ^2/NDF: 4606051.9/27

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1568.152+/-0.288 χ^2/NDF: 6474157.6/32

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

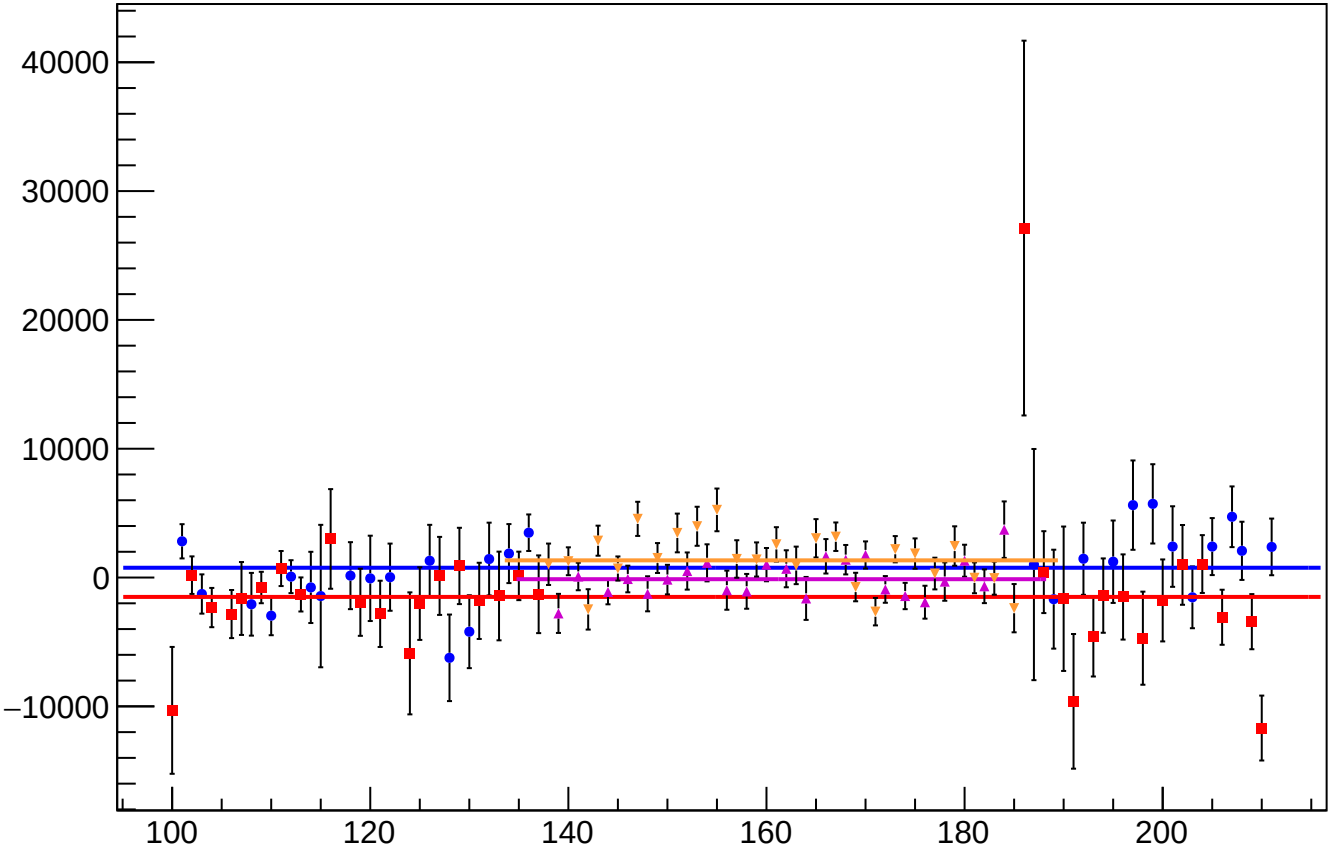
Right: 1592.588+/-0.209 χ^2/NDF: 11095347.2/60

In: 1255.613+/-0.159 χ^2/NDF:7313977.2/50

Out: 1244.446+/-0.154 χ^2/NDF:9100237.1/57

All: 1249.834+/-0.111 χ^2/NDF: 16416759.8/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 760.428+/-427.312 χ^2/NDF: 34.4/27

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1504.011+/-406.614 χ^2/NDF: 40.6/32

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

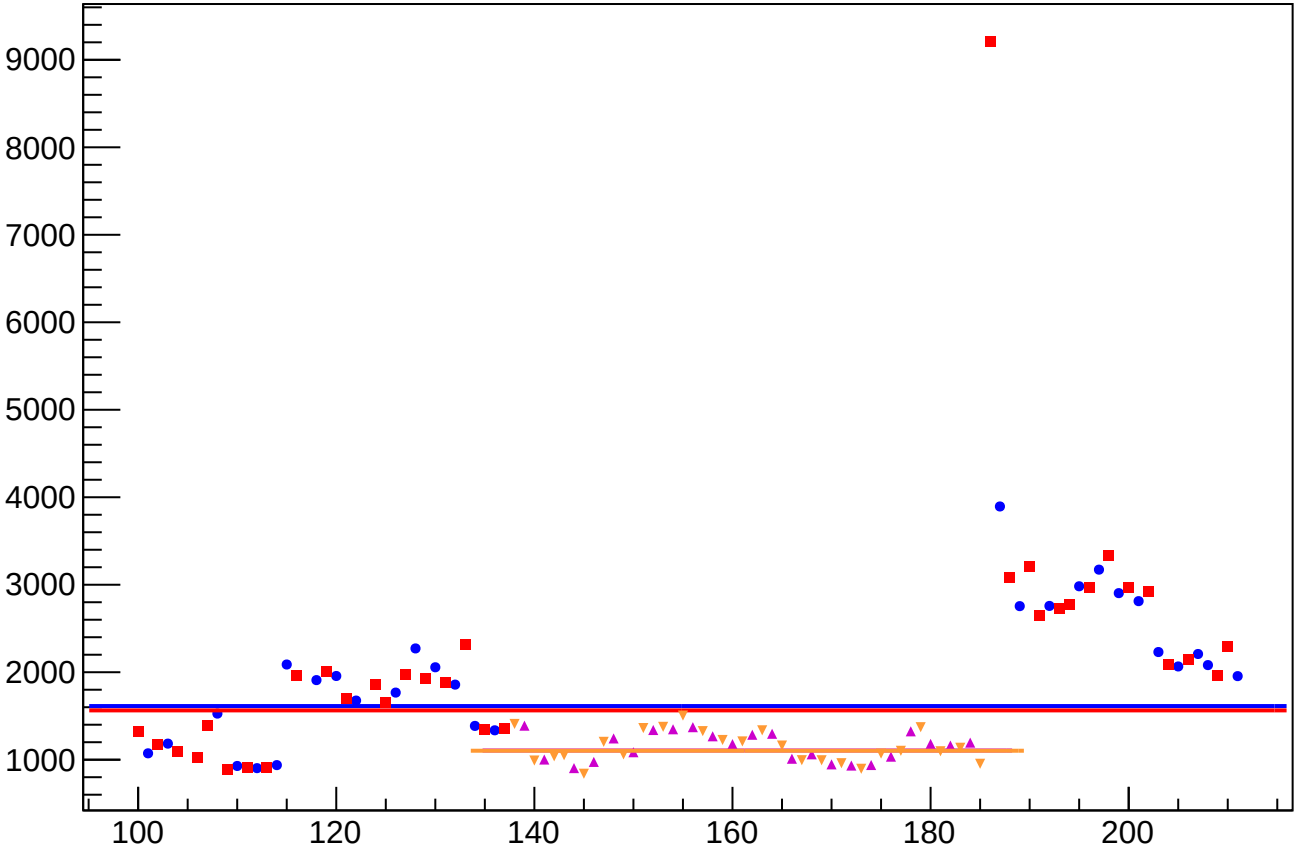
Right: -427.961+/-294.565 χ^2/NDF: 89.8/60

In: 113.682+/-222.996 χ^2/NDF:61.6/50

Out: 537.071+/-215.537 χ^2/NDF:131.3/57

All: 332.576+/-154.978 χ^2/NDF: 194.8/108

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1613.311+/-0.302 χ^2/NDF: 4478579.0/27

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1563.778+/-0.288 χ^2/NDF: 6413336.9/32

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

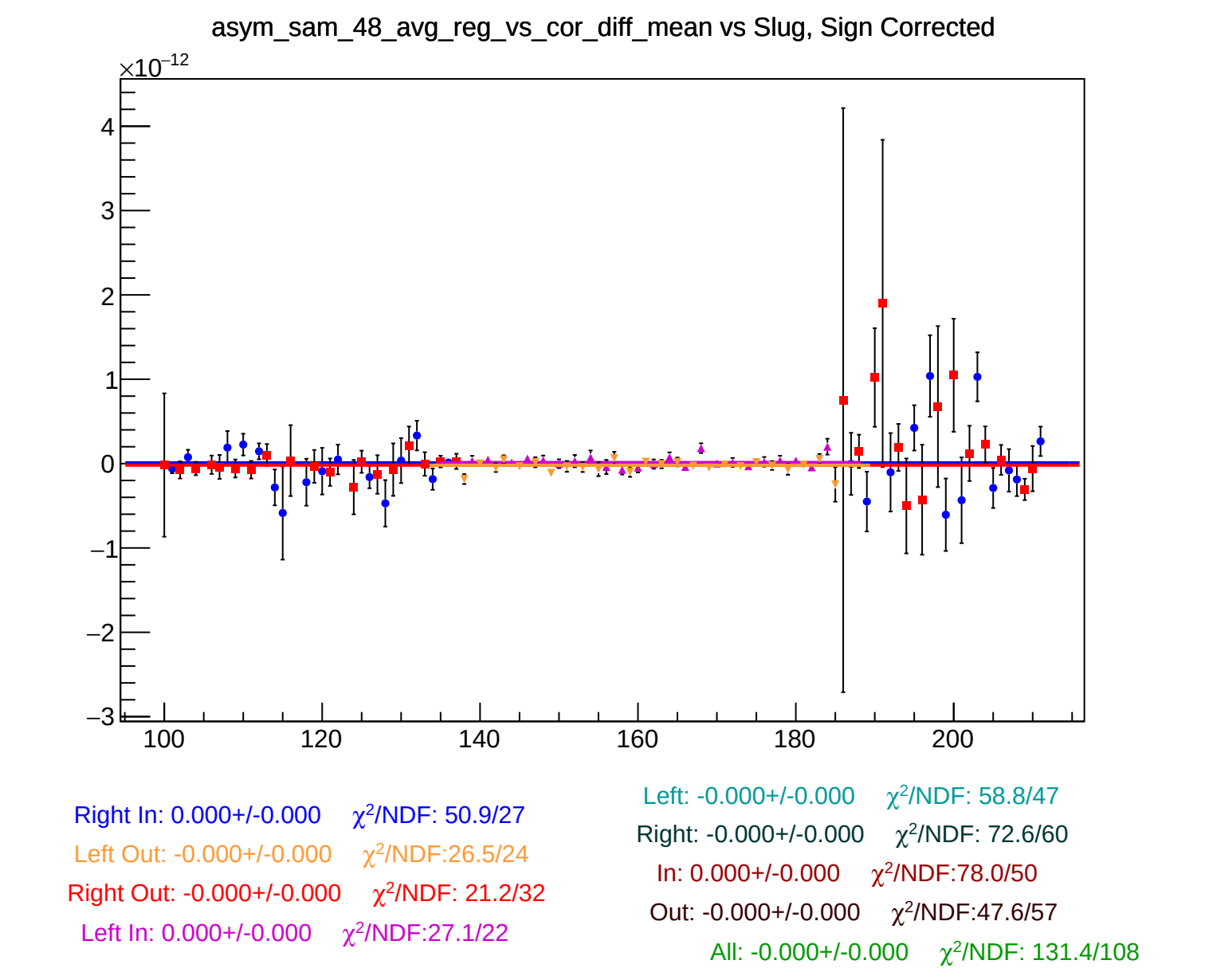
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

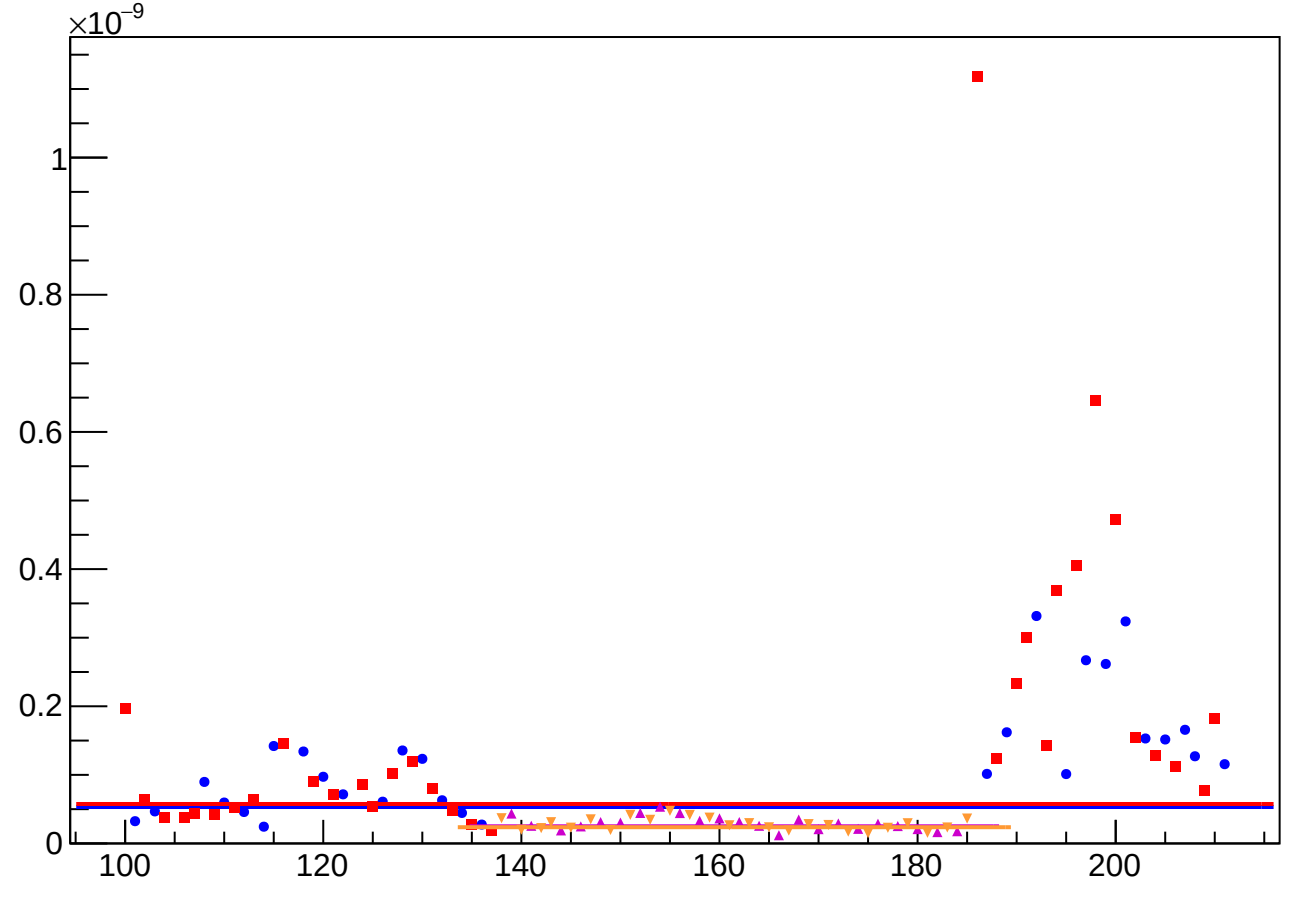
Right: 1587.316+/-0.208 χ^2/NDF: 10906019.5/60

In: 1243.576+/-0.158 χ^2/NDF:7259619.7/50

Out: 1232.256+/-0.152 χ^2/NDF:9142876.7/57

All: 1237.724+/-0.110 χ^2/NDF: 16405161.3/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 50.9/27
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/32
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: 72.6/60
In: 0.000+/-0.000 χ²/NDF:78.0/50
Out: -0.000+/-0.000 χ²/NDF:47.6/57
All: -0.000+/-0.000 χ²/NDF: 131.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 5612275.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6011415.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

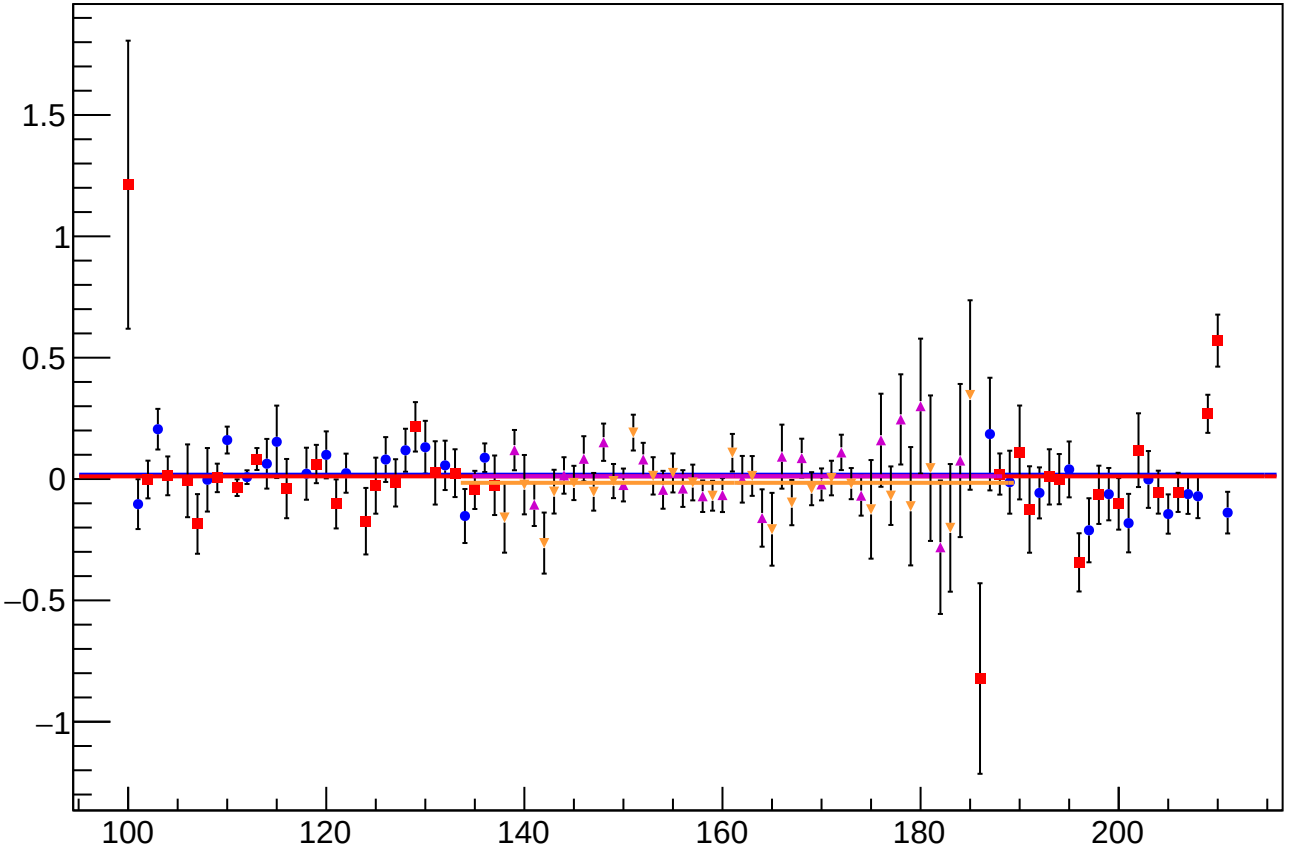
Right: 0.000+/-0.000 χ^2/NDF: 11651999.4/60

In: 0.000+/-0.000 χ^2/NDF:9260293.5/50

Out: 0.000+/-0.000 χ^2/NDF:10297008.5/57

All: 0.000+/-0.000 χ^2/NDF: 19590440.1/108

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.015 χ^2/NDF: 74.9/32

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

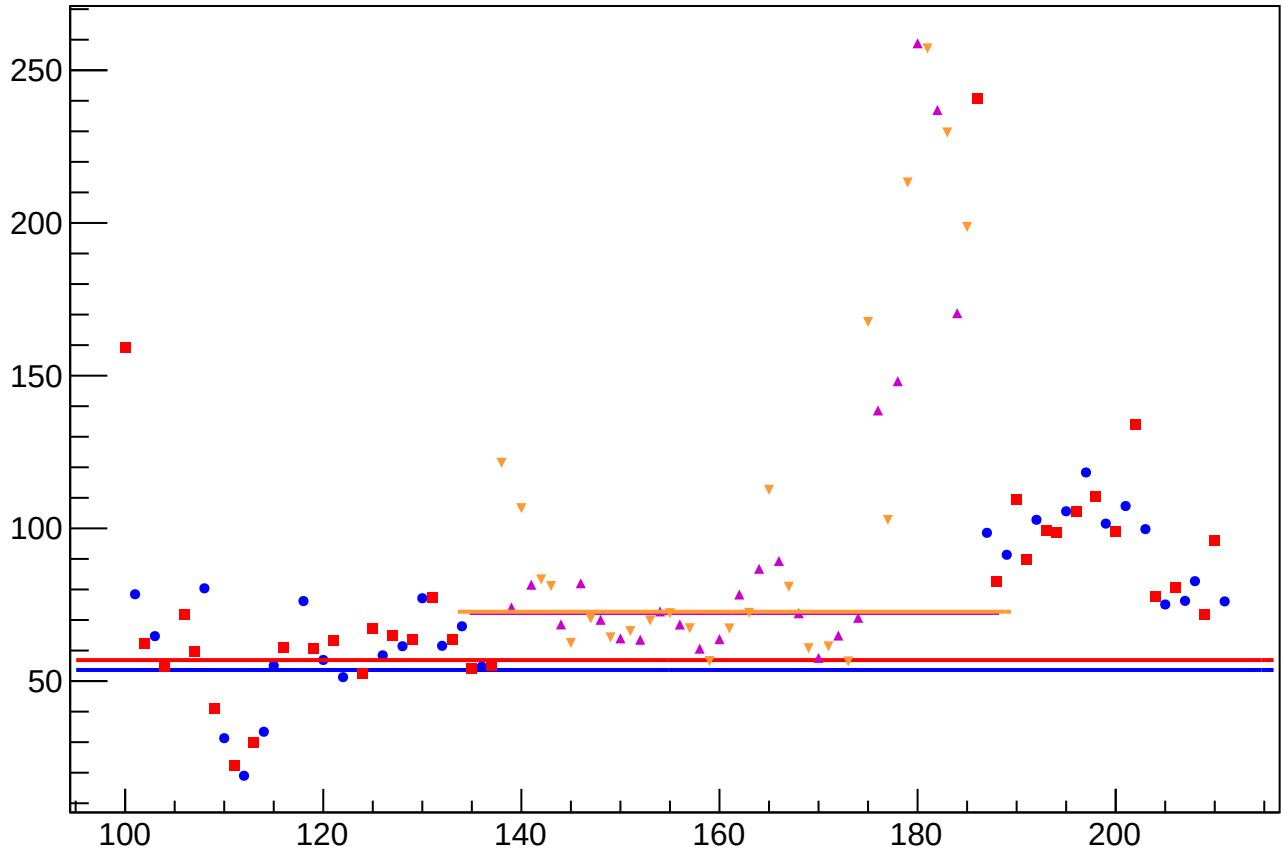
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.014+/-0.011 χ^2/NDF: 113.4/60

In: 0.015+/-0.012 χ^2/NDF:61.8/50

Out: -0.000+/-0.012 χ^2/NDF:97.8/57

All: 0.007+/-0.008 χ^2/NDF: 160.4/108



Right In: 53.636+/-0.011 χ^2/NDF: 7227137.6/27

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 56.879+/-0.011 χ^2/NDF: 6730151.2/32

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

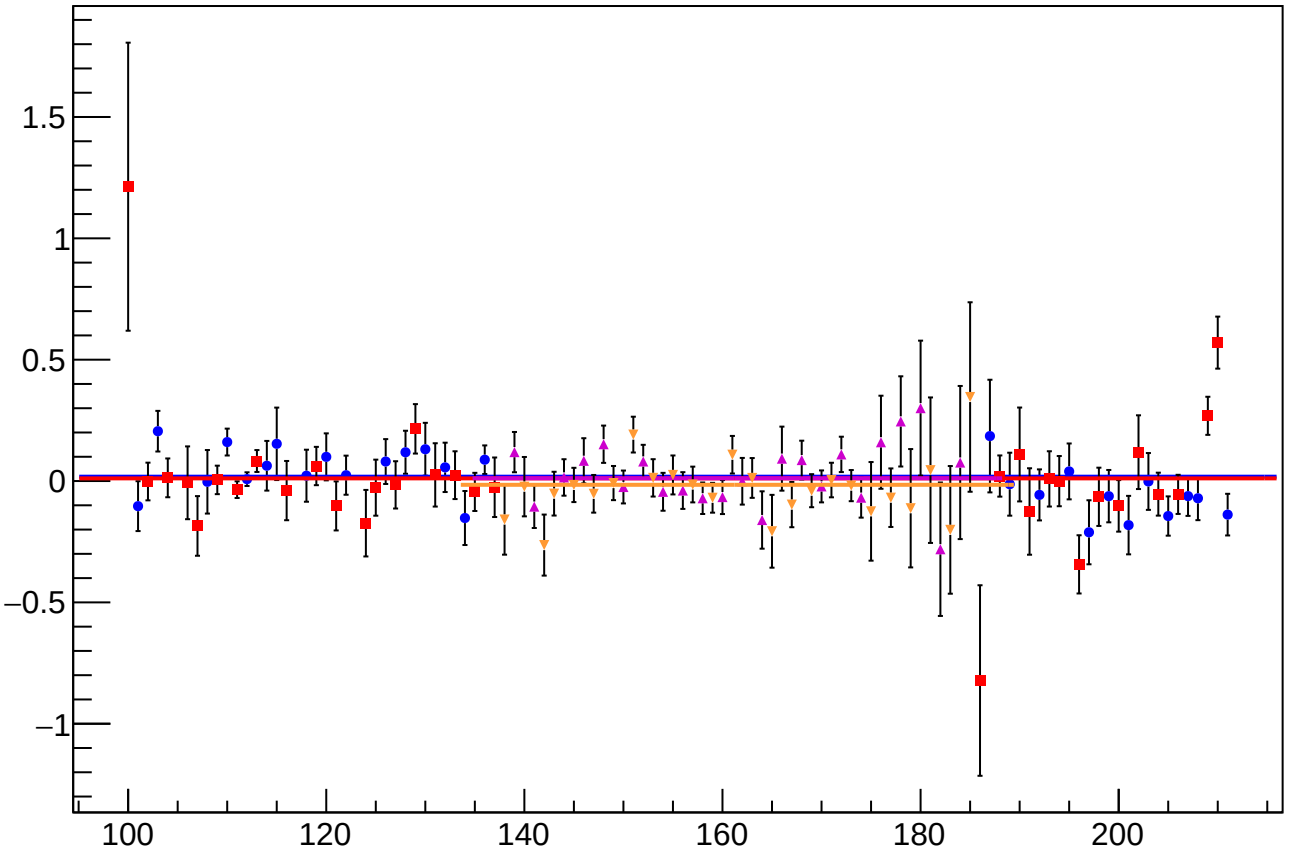
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 55.263+/-0.008 χ^2/NDF: 14002209.1/60

In: 61.353+/-0.008 χ^2/NDF:11243206.8/50

Out: 63.524+/-0.008 χ^2/NDF:11593666.0/57

All: 62.448+/-0.006 χ^2/NDF: 22871395.8/108



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.015 χ^2/NDF: 74.9/32

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

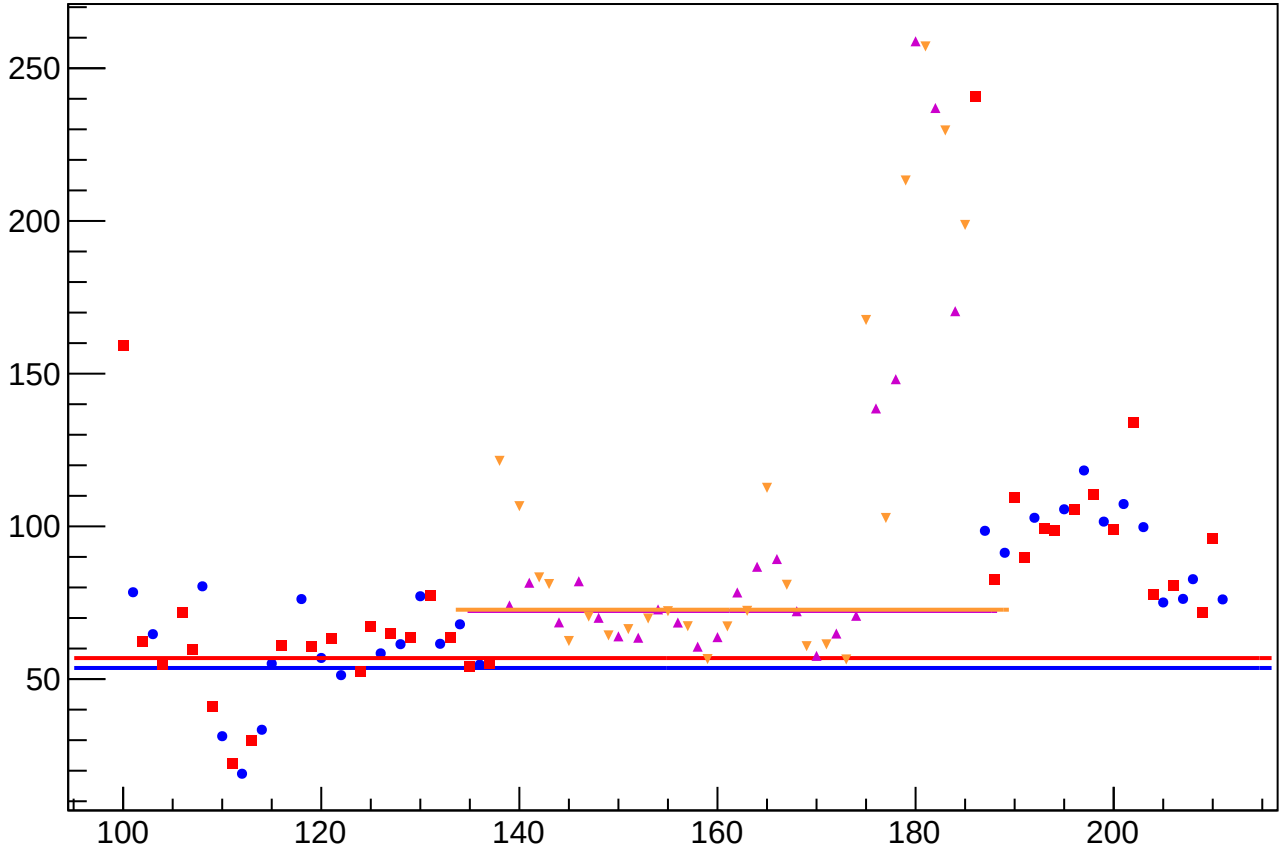
Right: 0.014+/-0.011 χ^2/NDF: 113.4/60

In: 0.015+/-0.012 χ^2/NDF:61.8/50

Out: -0.000+/-0.012 χ^2/NDF:97.8/57

All: 0.007+/-0.008 χ^2/NDF: 160.4/108

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.636+/-0.011 χ^2/NDF: 7227137.6/27

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 56.879+/-0.011 χ^2/NDF: 6730151.2/32

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

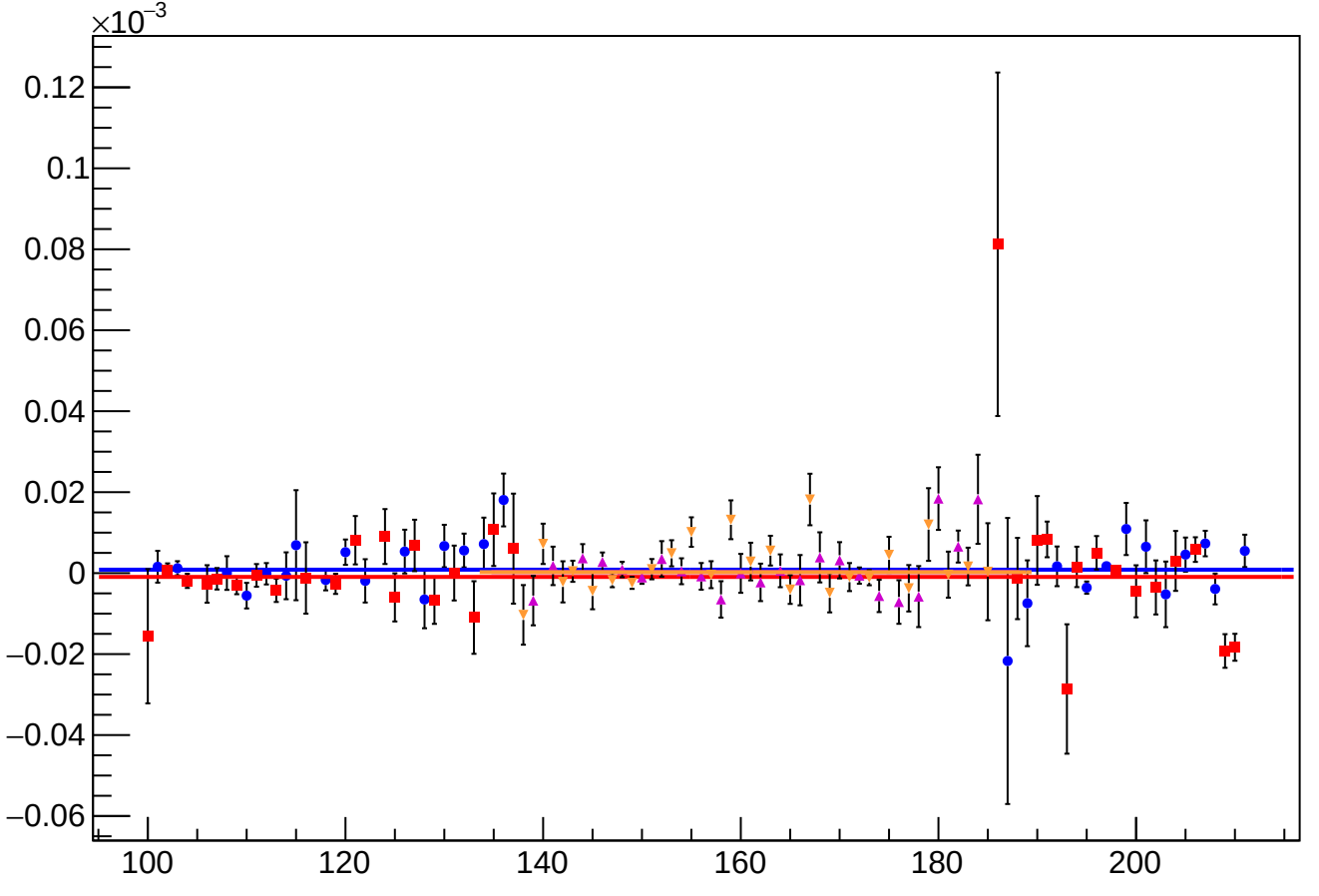
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 55.263+/-0.008 χ^2/NDF: 14002209.1/60

In: 61.353+/-0.008 χ^2/NDF:11243206.8/50

Out: 63.524+/-0.008 χ^2/NDF:11593666.0/57

All: 62.448+/-0.006 χ^2/NDF: 22871395.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 41.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 85.1/32

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

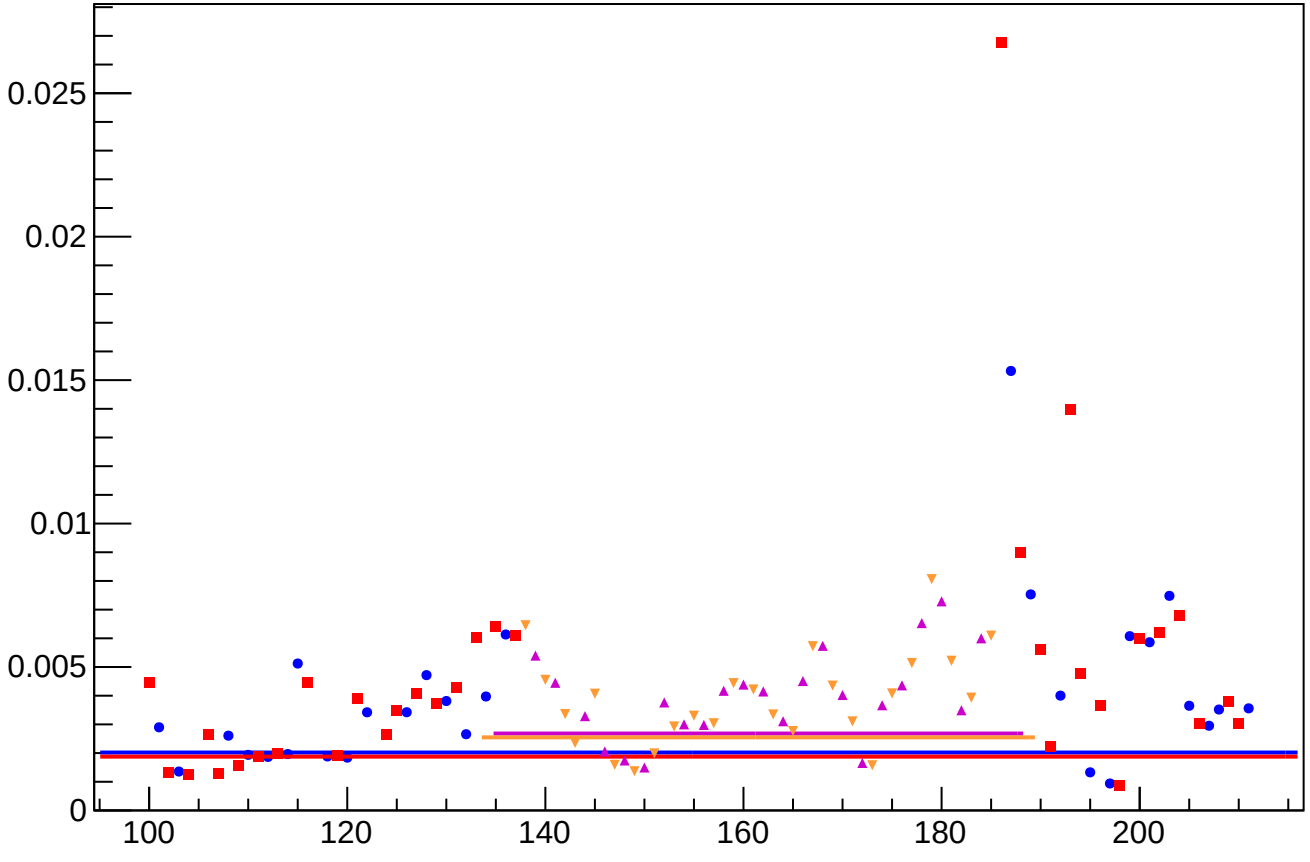
Right: -0.000+/-0.000 χ^2/NDF: 131.5/60

In: 0.000+/-0.000 χ^2/NDF:66.2/50

Out: -0.000+/-0.000 χ^2/NDF:130.3/57

All: 0.000+/-0.000 χ^2/NDF: 199.3/108

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8951579.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12760689.3/32

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

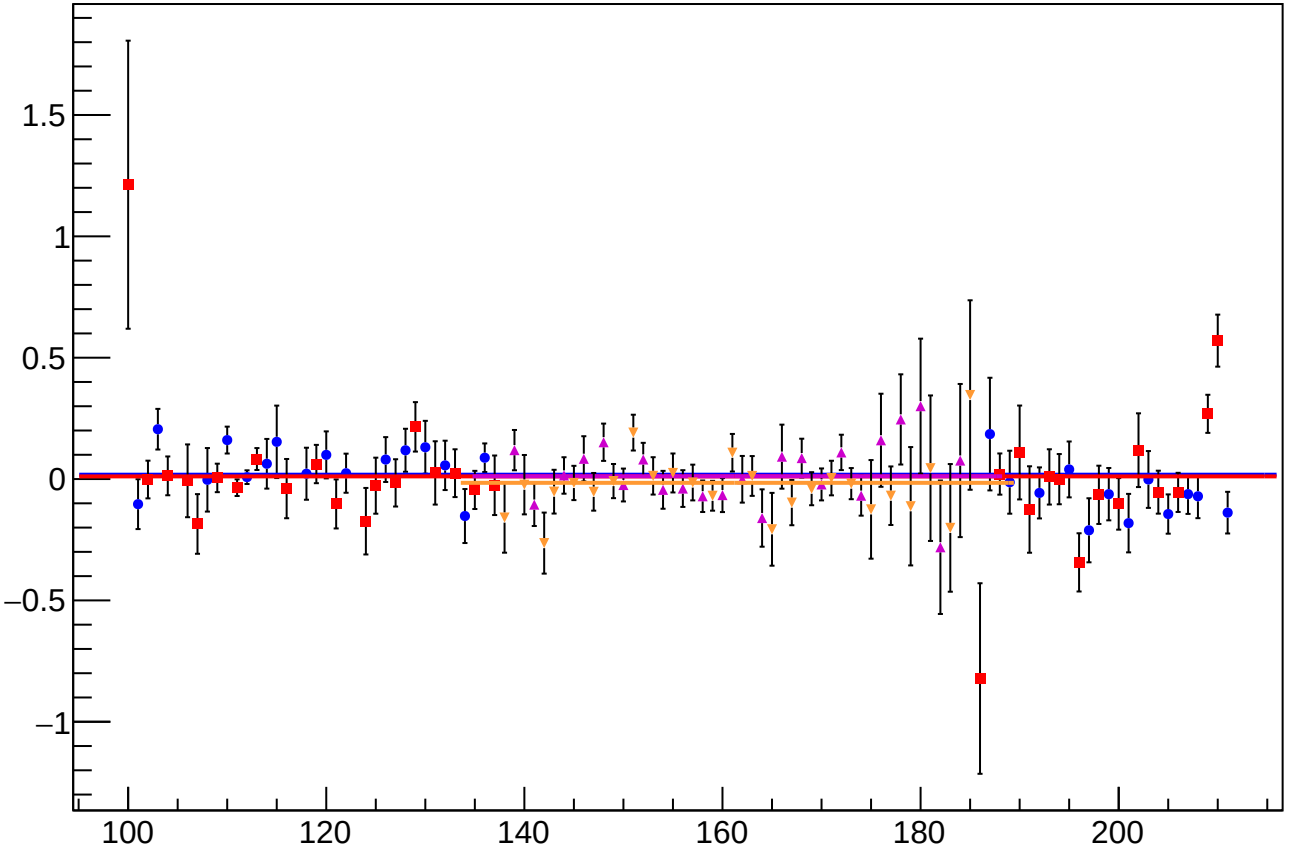
Right: 0.002+/-0.000 χ^2/NDF: 21772532.4/60

In: 0.002+/-0.000 χ^2/NDF:16464775.0/50

Out: 0.002+/-0.000 χ^2/NDF:21474487.7/57

All: 0.002+/-0.000 χ^2/NDF: 38039217.6/108

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.015 χ^2/NDF: 74.9/32

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

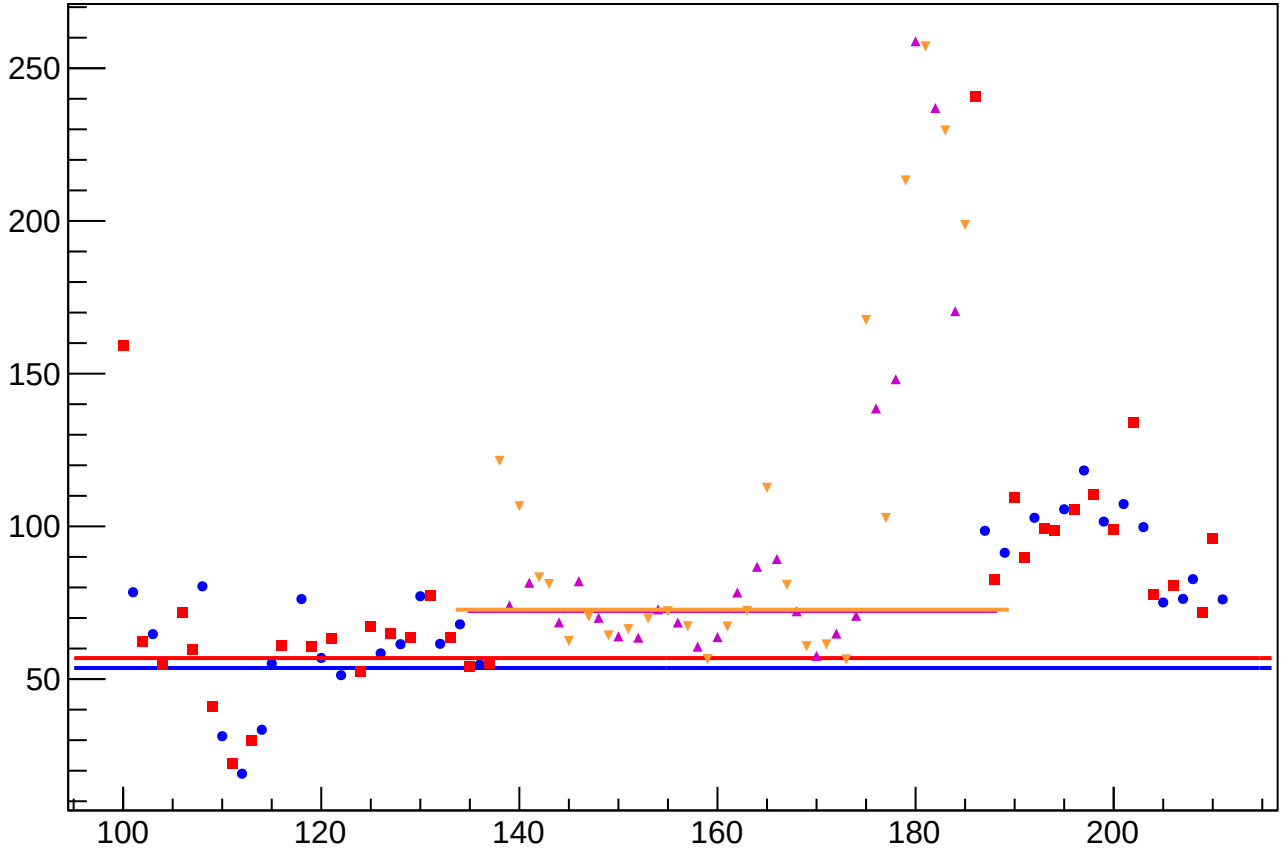
Right: 0.014+/-0.011 χ^2/NDF: 113.4/60

In: 0.015+/-0.012 χ^2/NDF:61.8/50

Out: -0.000+/-0.012 χ^2/NDF:97.8/57

All: 0.007+/-0.008 χ^2/NDF: 160.4/108

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.635+/-0.011 χ^2/NDF: 7227427.3/27

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 56.878+/-0.011 χ^2/NDF: 6730484.7/32

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

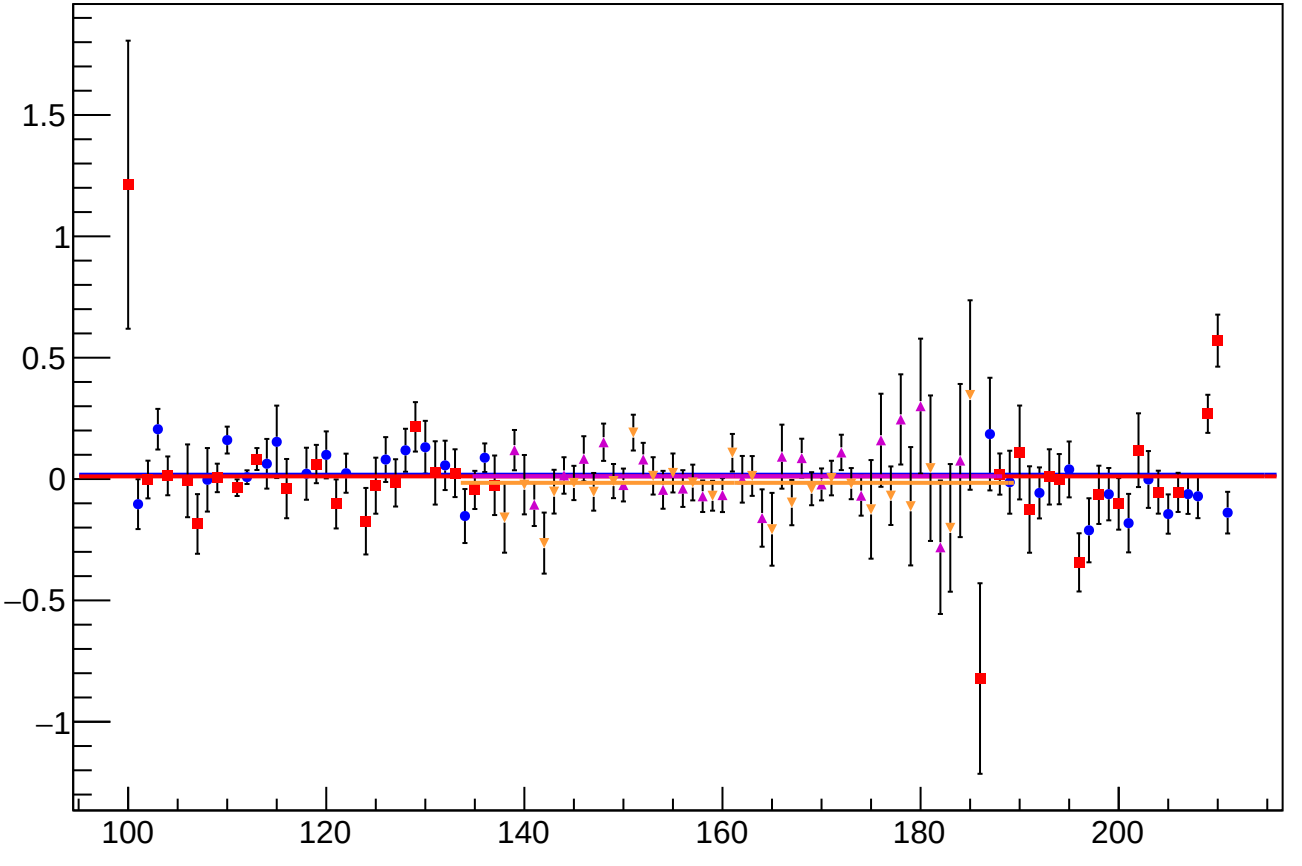
Right: 55.263+/-0.008 χ^2/NDF: 14002834.9/60

In: 61.352+/-0.008 χ^2/NDF:11243632.8/50

Out: 63.524+/-0.008 χ^2/NDF:11594112.5/57

All: 62.447+/-0.006 χ^2/NDF: 22872271.6/108

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 38.4/27

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.015 χ^2/NDF: 74.9/32

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

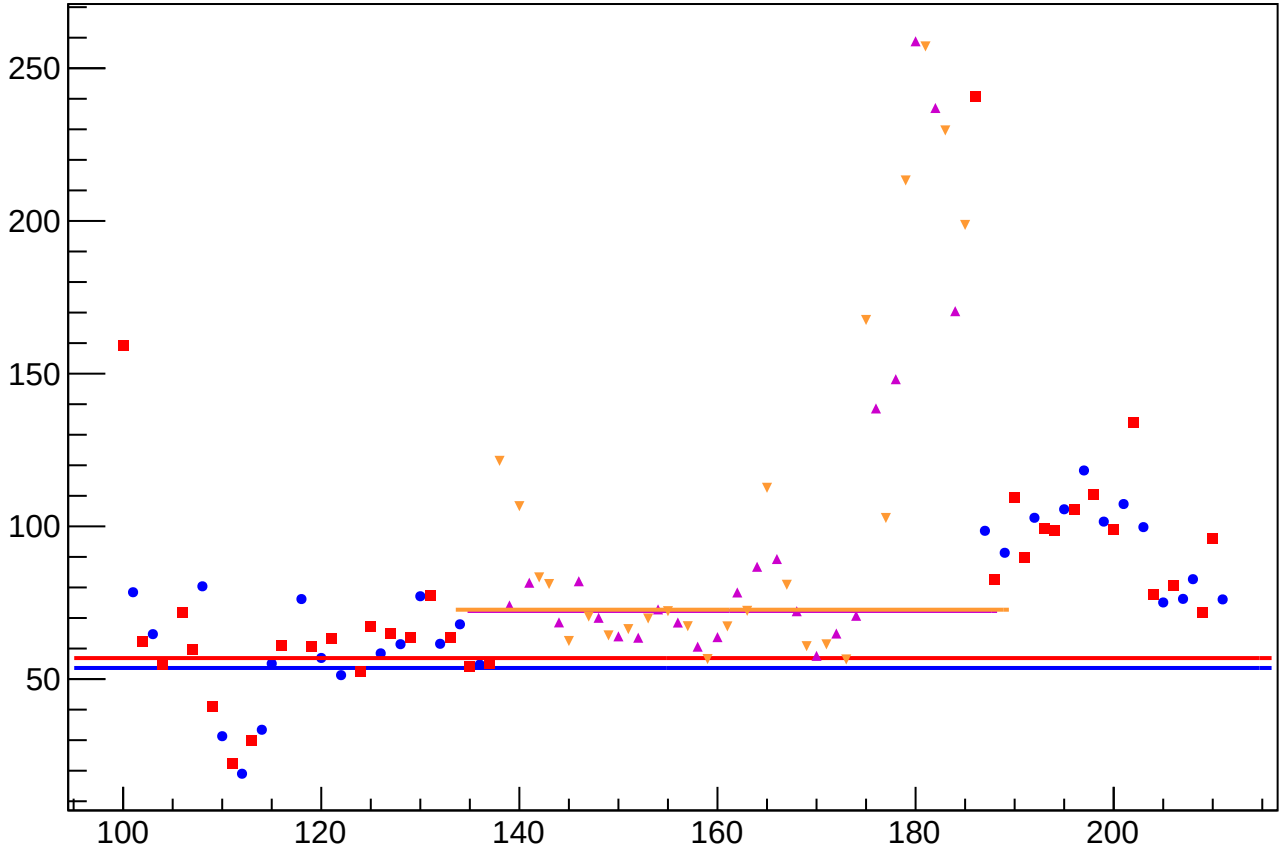
Right: 0.014+/-0.011 χ^2/NDF: 113.4/60

In: 0.015+/-0.012 χ^2/NDF:61.8/50

Out: -0.000+/-0.012 χ^2/NDF:97.8/57

All: 0.007+/-0.008 χ^2/NDF: 160.4/108

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.635+/-0.011 χ^2/NDF: 7227427.3/27

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 56.878+/-0.011 χ^2/NDF: 6730484.7/32

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

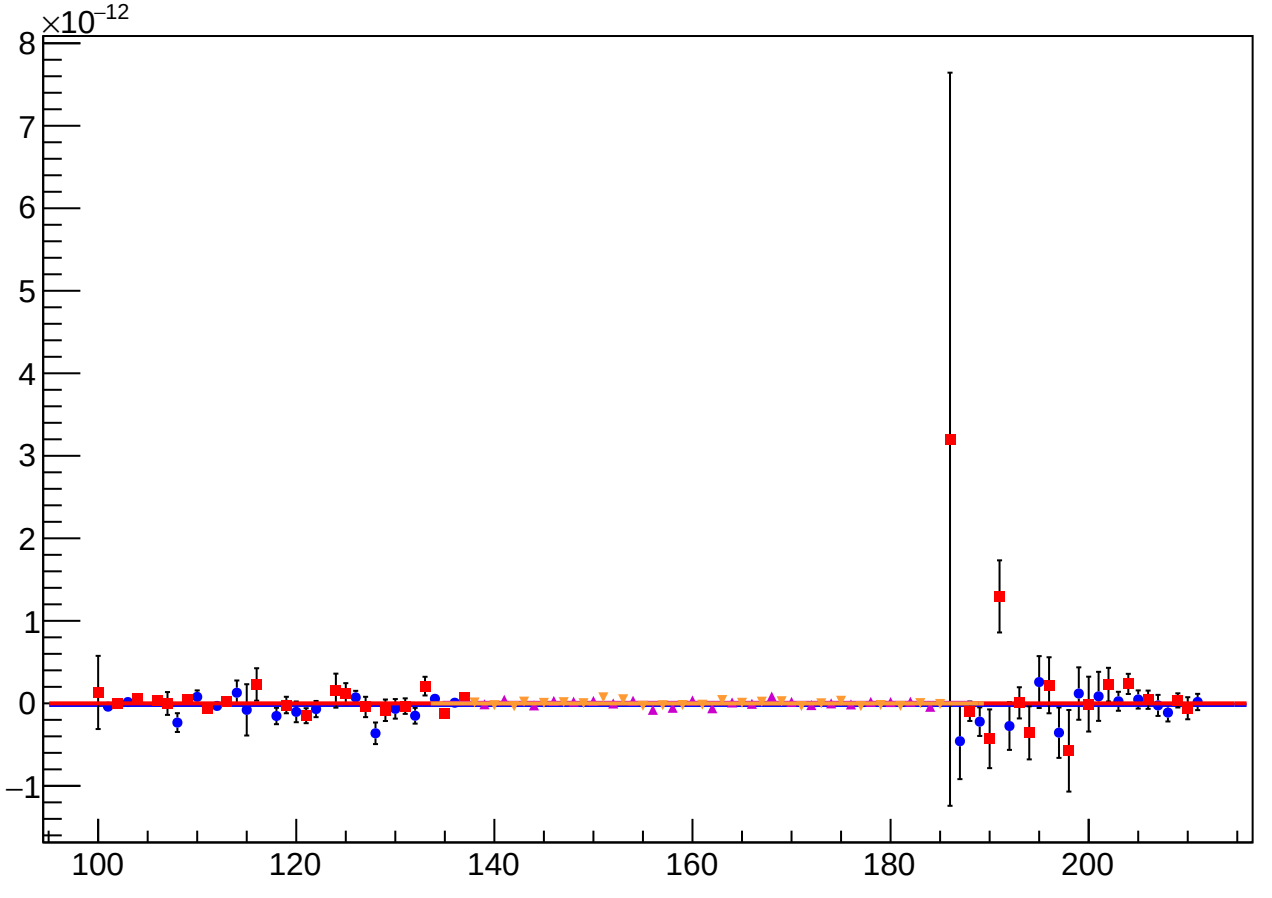
Right: 55.263+/-0.008 χ^2/NDF: 14002834.9/60

In: 61.352+/-0.008 χ^2/NDF:11243632.8/50

Out: 63.524+/-0.008 χ^2/NDF:11594112.5/57

All: 62.447+/-0.006 χ^2/NDF: 22872271.6/108

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/32

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

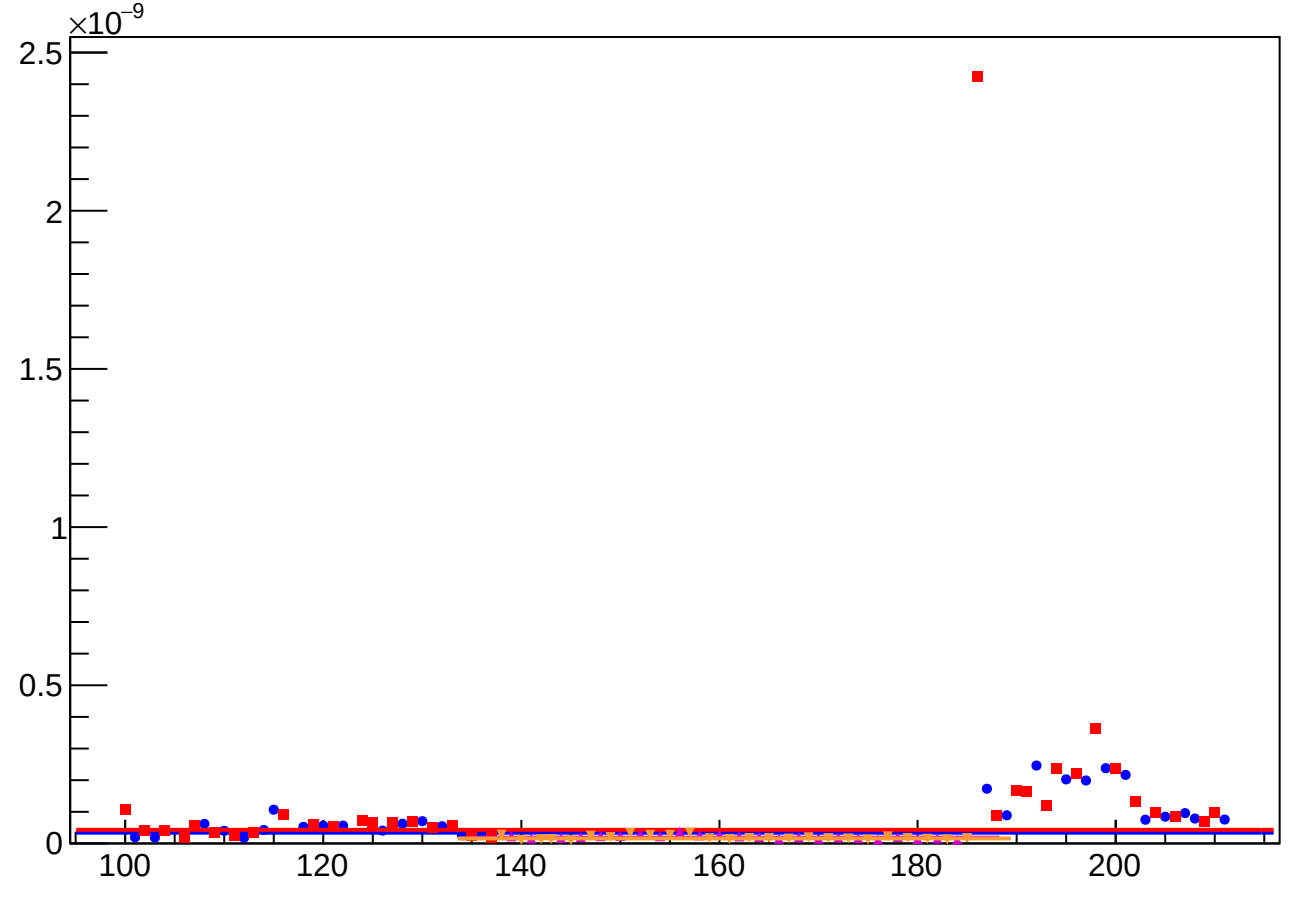
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 73.9/60

In: 0.000+/-0.000 χ^2/NDF:71.1/50

Out: -0.000+/-0.000 χ^2/NDF:71.2/57

All: 0.000+/-0.000 χ^2/NDF: 142.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 8251390.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8146716.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

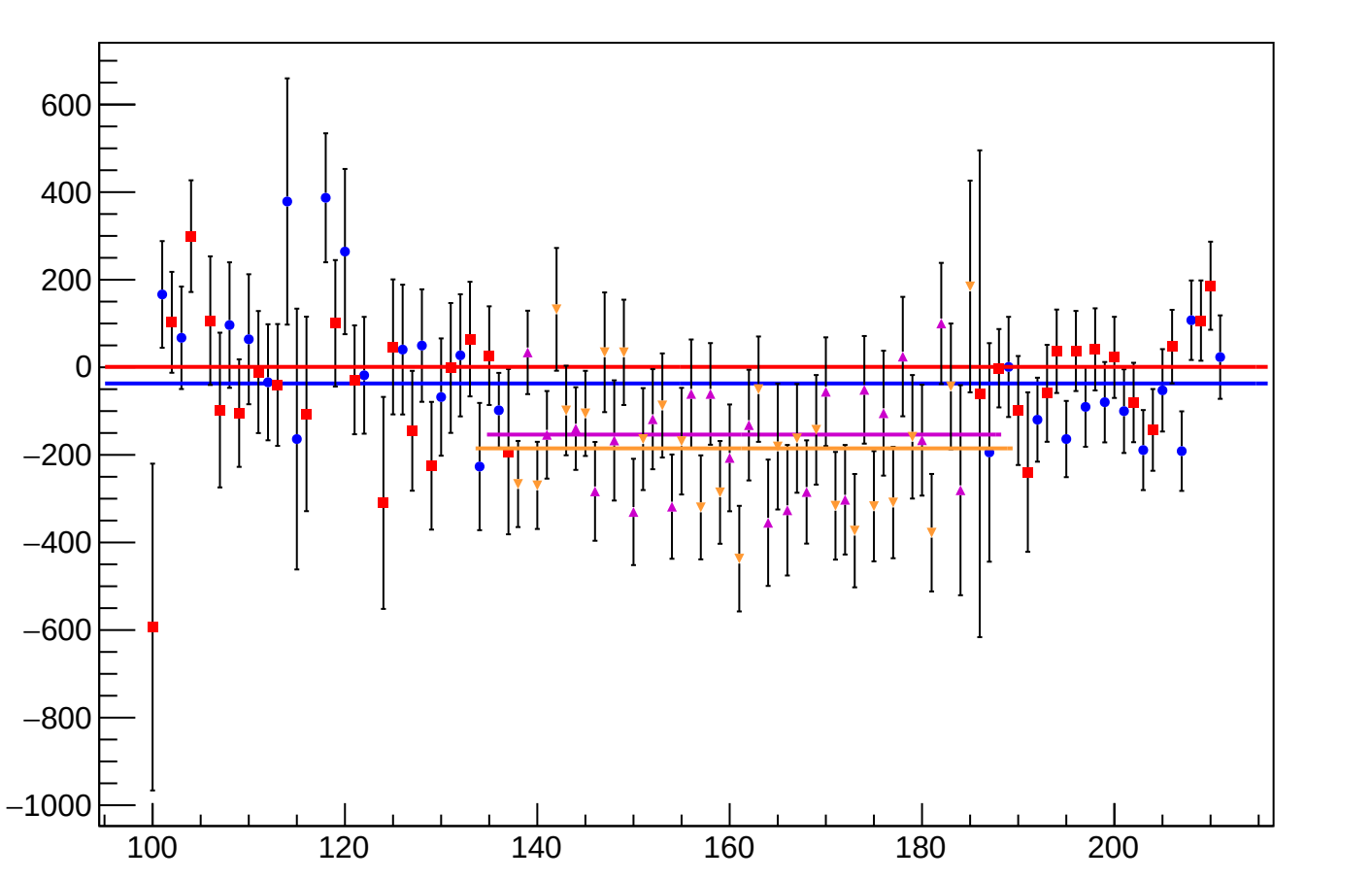
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 16767449.3/60

In: 0.000+/-0.000 χ^2/NDF:12230405.8/50

Out: 0.000+/-0.000 χ^2/NDF:16058574.4/57

All: 0.000+/-0.000 χ^2/NDF: 28506094.5/108



Right In: -36.913+/-21.763 χ^2/NDF: 34.3/27

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 0.958+/-21.054 χ^2/NDF: 29.3/32

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

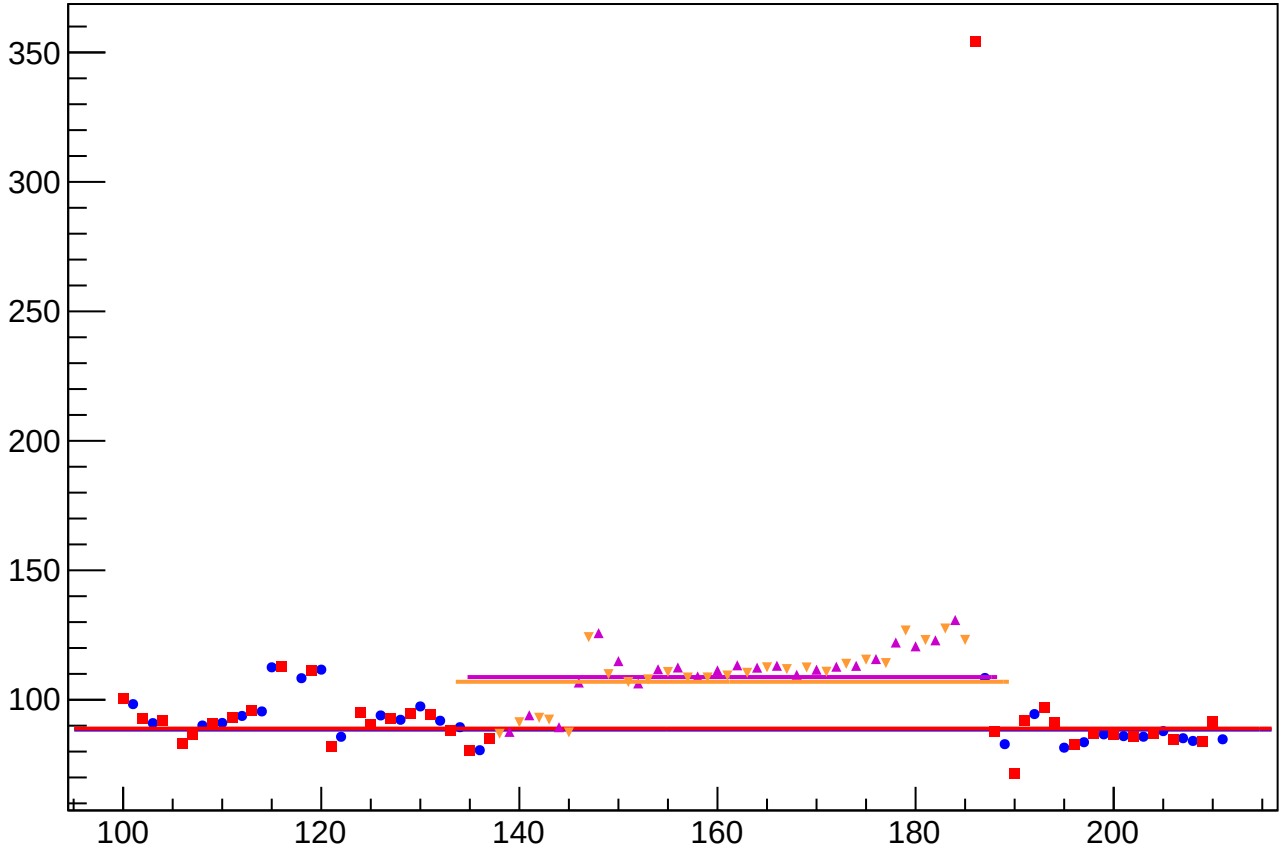
Right: -17.351+/-15.132 χ^2/NDF: 65.2/60

In: -86.014+/-16.564 χ^2/NDF:70.0/50

Out: -78.273+/-15.955 χ^2/NDF:95.6/57

All: -81.999+/-11.491 χ^2/NDF: 165.7/108

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.872+/-0.015 χ^2/NDF: 650729.8/32

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

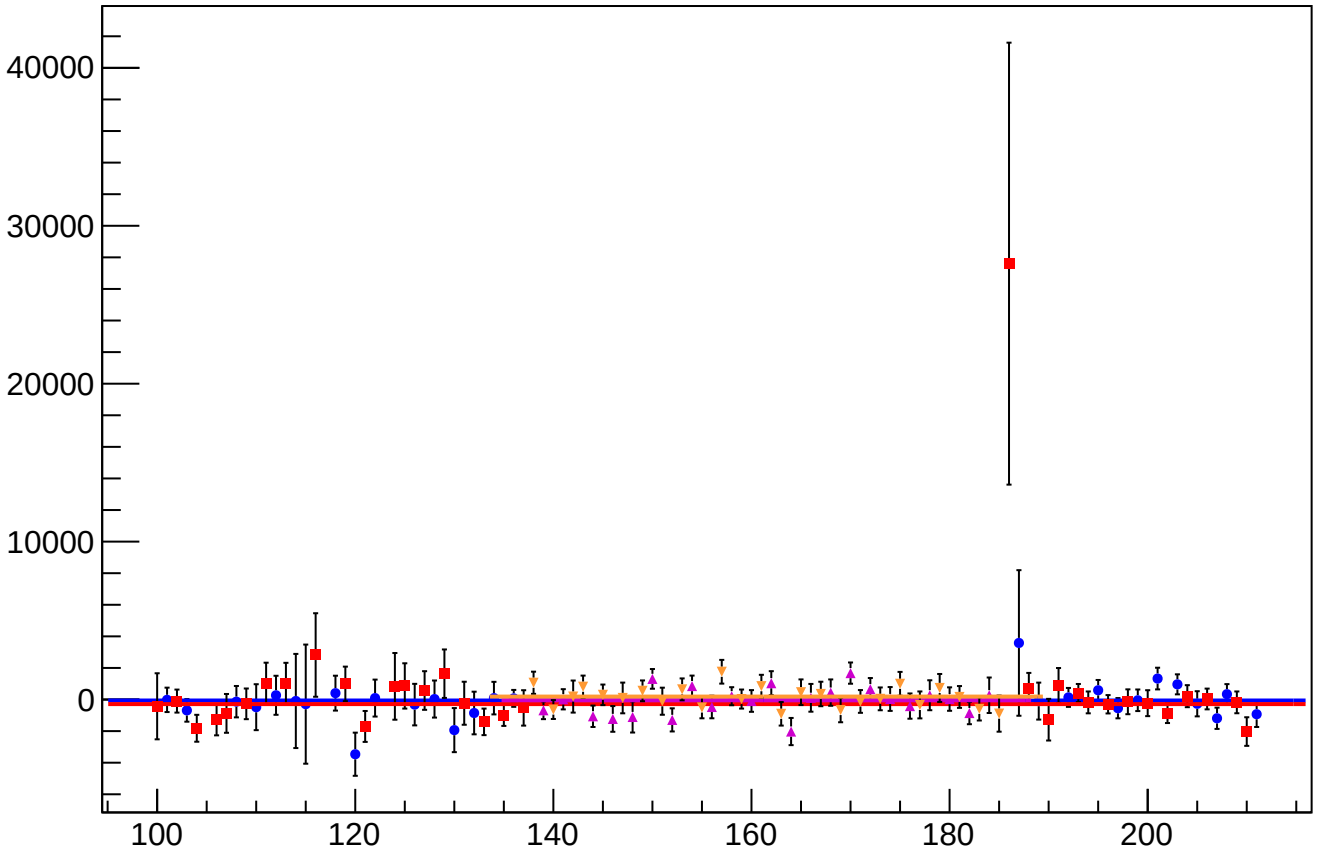
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.689+/-0.011 χ^2/NDF: 841223.8/60

In: 97.028+/-0.012 χ^2/NDF:1279779.9/50

Out: 96.570+/-0.011 χ^2/NDF:1743067.4/57

All: 96.790+/-0.008 χ^2/NDF: 3023640.5/108



Right In: -62.055+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -289.218+/-157.992 χ^2/NDF: 30.9/32

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

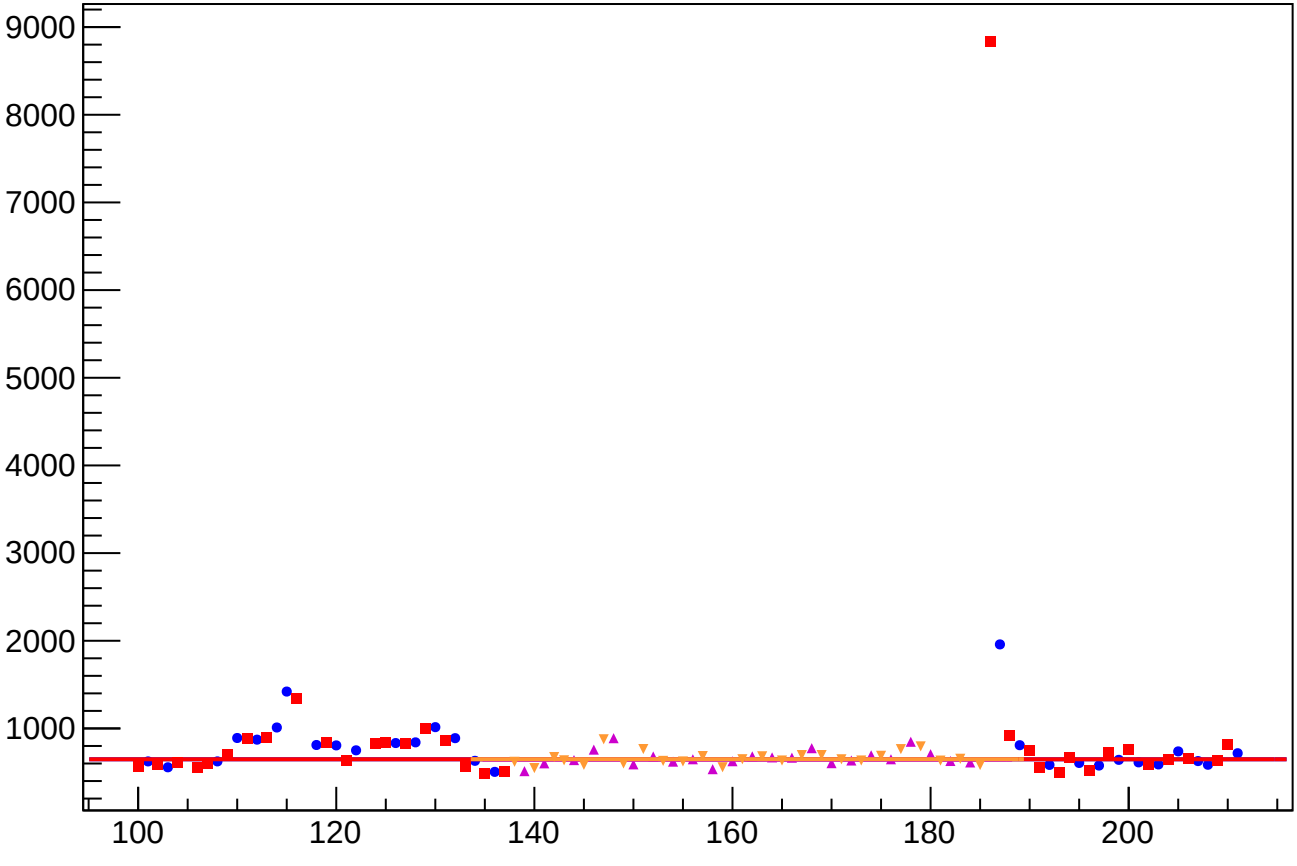
Right: -179.090+/-113.403 χ^2/NDF: 54.9/60

In: -52.007+/-111.148 χ^2/NDF:56.7/50

Out: -37.172+/-108.329 χ^2/NDF:54.8/57

All: -44.399+/-77.578 χ^2/NDF: 111.5/108

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 648.165+/-0.115 χ^2/NDF: 1135193.1/27

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 648.292+/-0.112 χ^2/NDF: 2038060.5/32

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

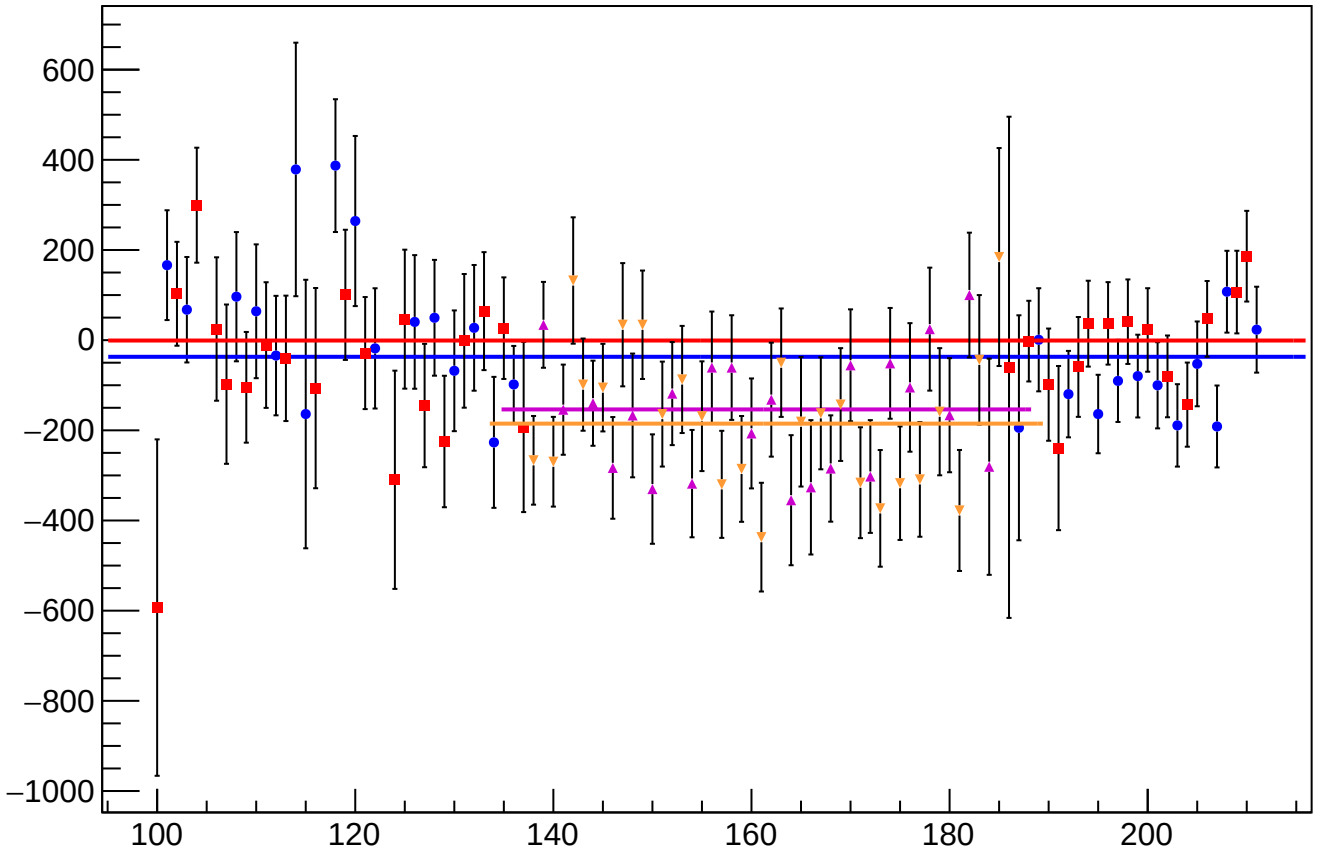
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 648.231+/-0.080 χ^2/NDF: 3173254.1/60

In: 645.978+/-0.079 χ^2/NDF:1694987.8/50

Out: 648.767+/-0.077 χ^2/NDF:2456459.3/57

All: 647.409+/-0.055 χ^2/NDF: 4152092.9/108



Right In: -36.912+/-21.763 χ^2/NDF: 34.4/27

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -0.802+/-21.086 χ^2/NDF: 28.8/32

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

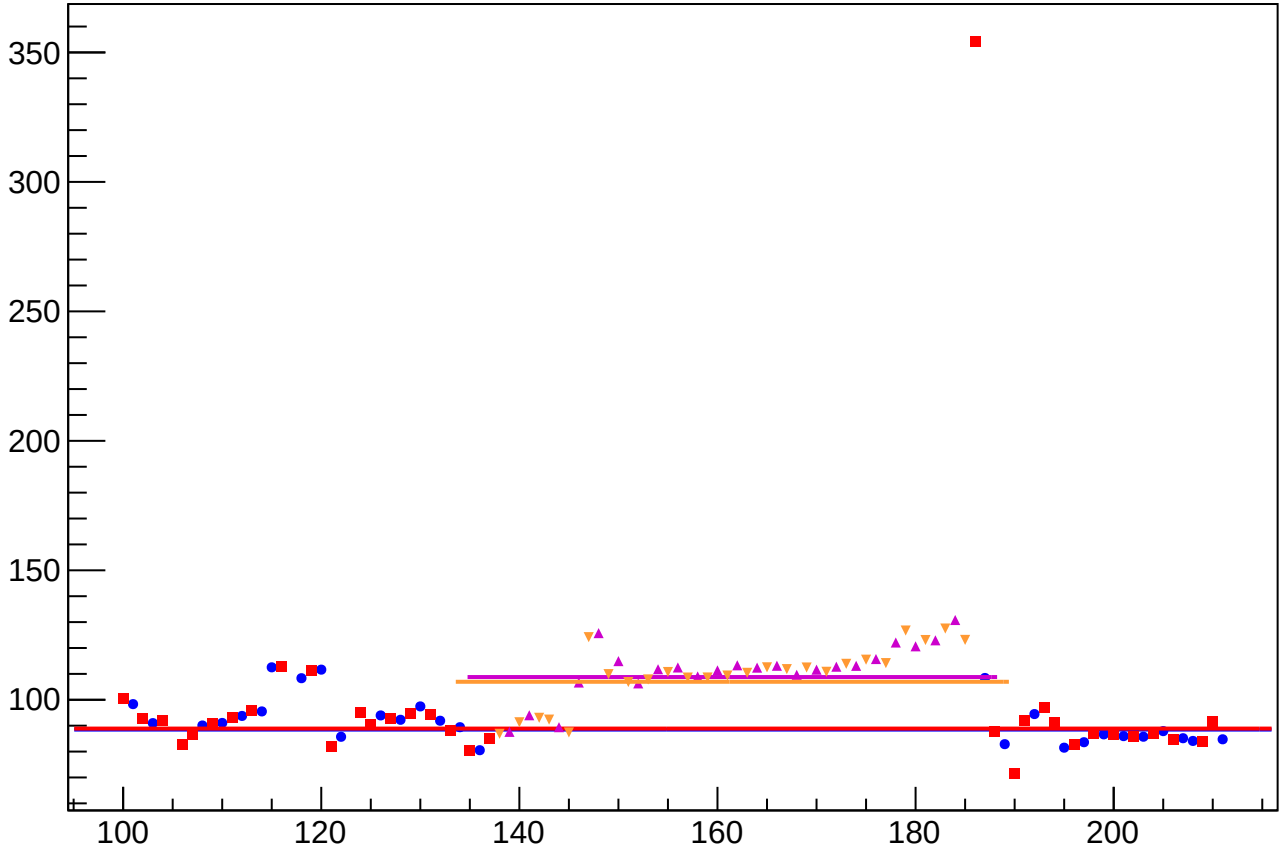
Right: -18.287+/-15.144 χ^2/NDF: 64.5/60

In: -86.015+/-16.564 χ^2/NDF:70.0/50

Out: -79.422+/-15.969 χ^2/NDF:94.4/57

All: -82.598+/-11.496 χ^2/NDF: 164.5/108

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.880+/-0.015 χ^2/NDF: 650803.2/32

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

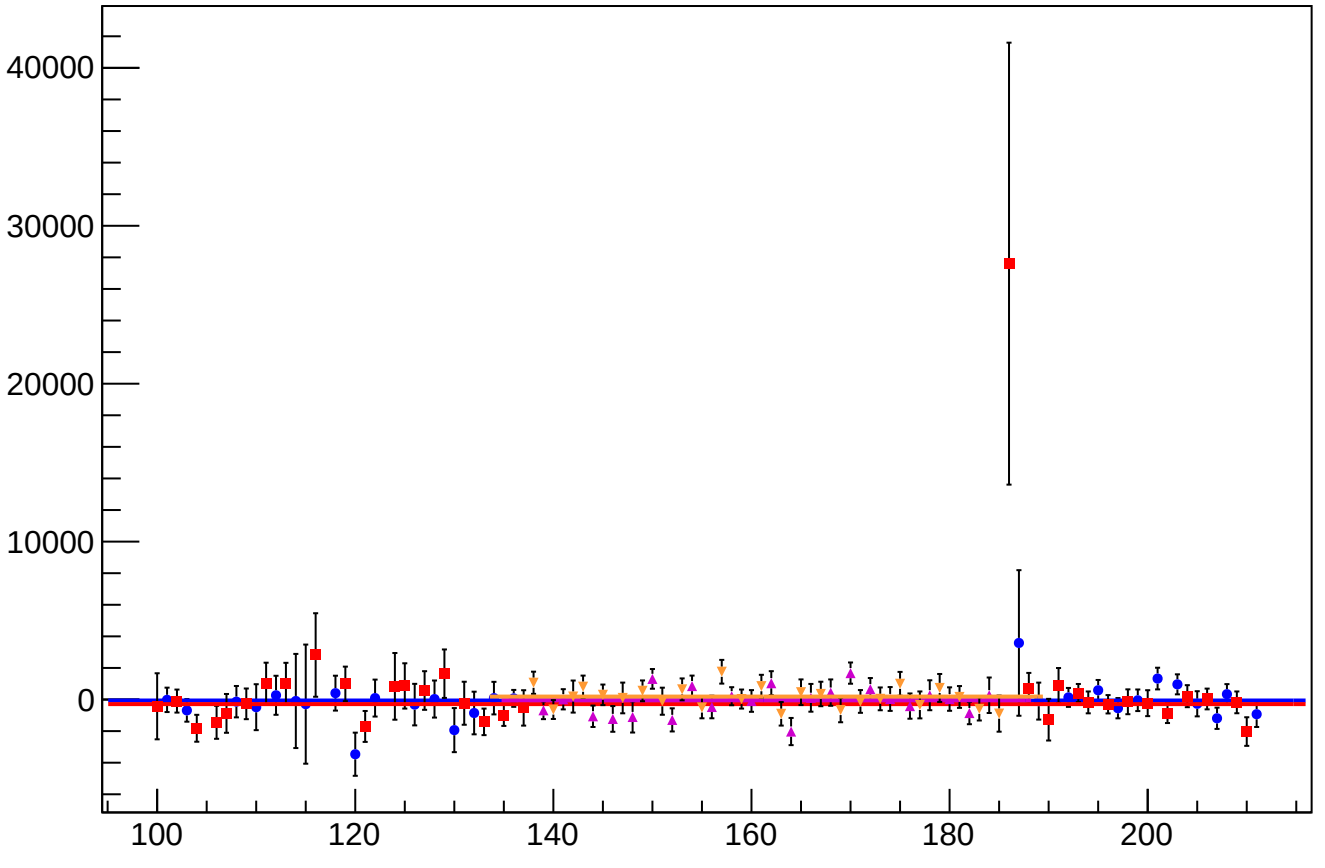
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.692+/-0.011 χ^2/NDF: 841309.7/60

In: 97.028+/-0.012 χ^2/NDF:1279779.9/50

Out: 96.588+/-0.011 χ^2/NDF:1741789.0/57

All: 96.800+/-0.008 χ^2/NDF: 3022300.7/108



Right In: -62.057+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -290.283+/-158.203 χ^2/NDF: 31.1/32

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

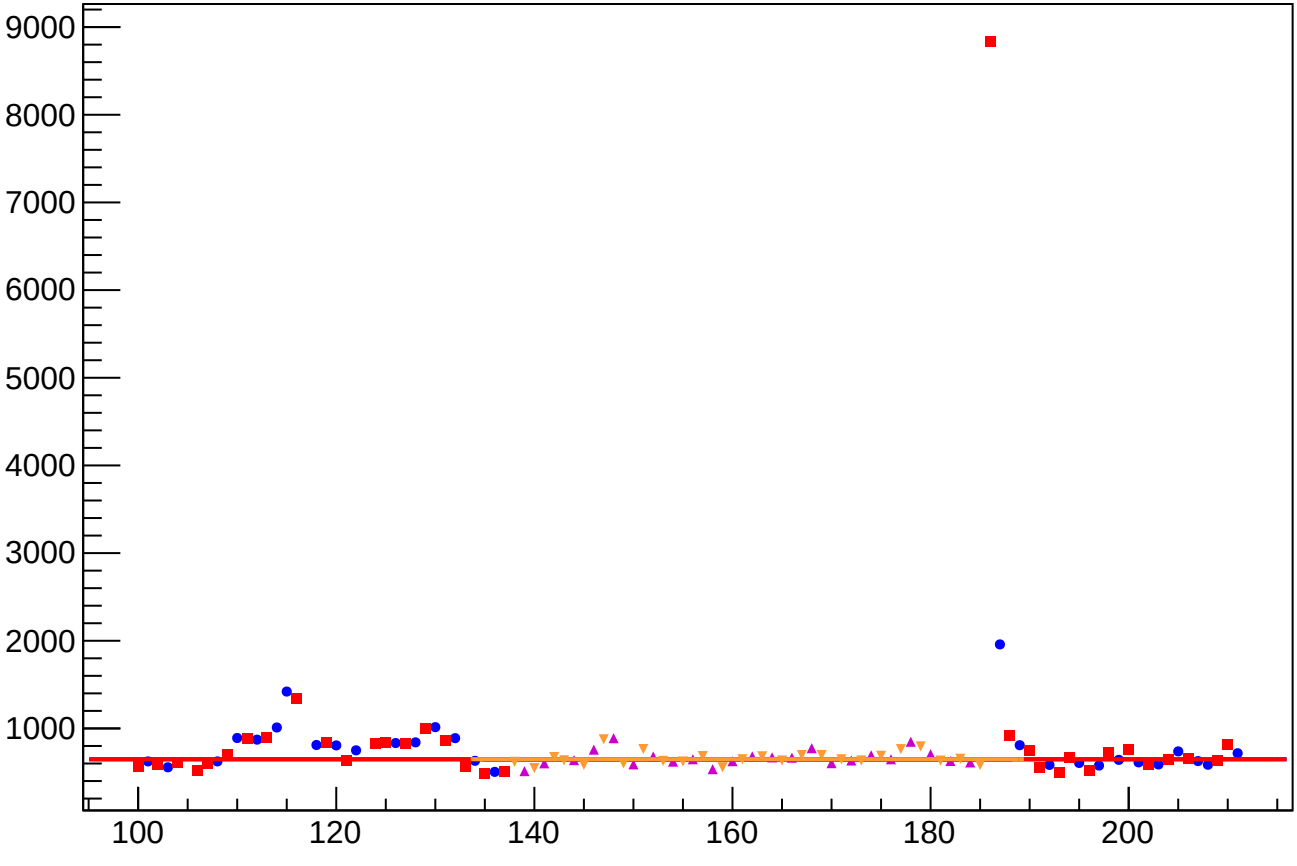
Right: -179.487+/-113.481 χ^2/NDF: 55.2/60

In: -52.009+/-111.148 χ^2/NDF:56.7/50

Out: -37.359+/-108.397 χ^2/NDF:55.0/57

All: -44.501+/-77.603 χ^2/NDF: 111.8/108

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 648.165+/-0.115 χ^2/NDF: 1135194.0/27

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF: 2047460.3/32

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

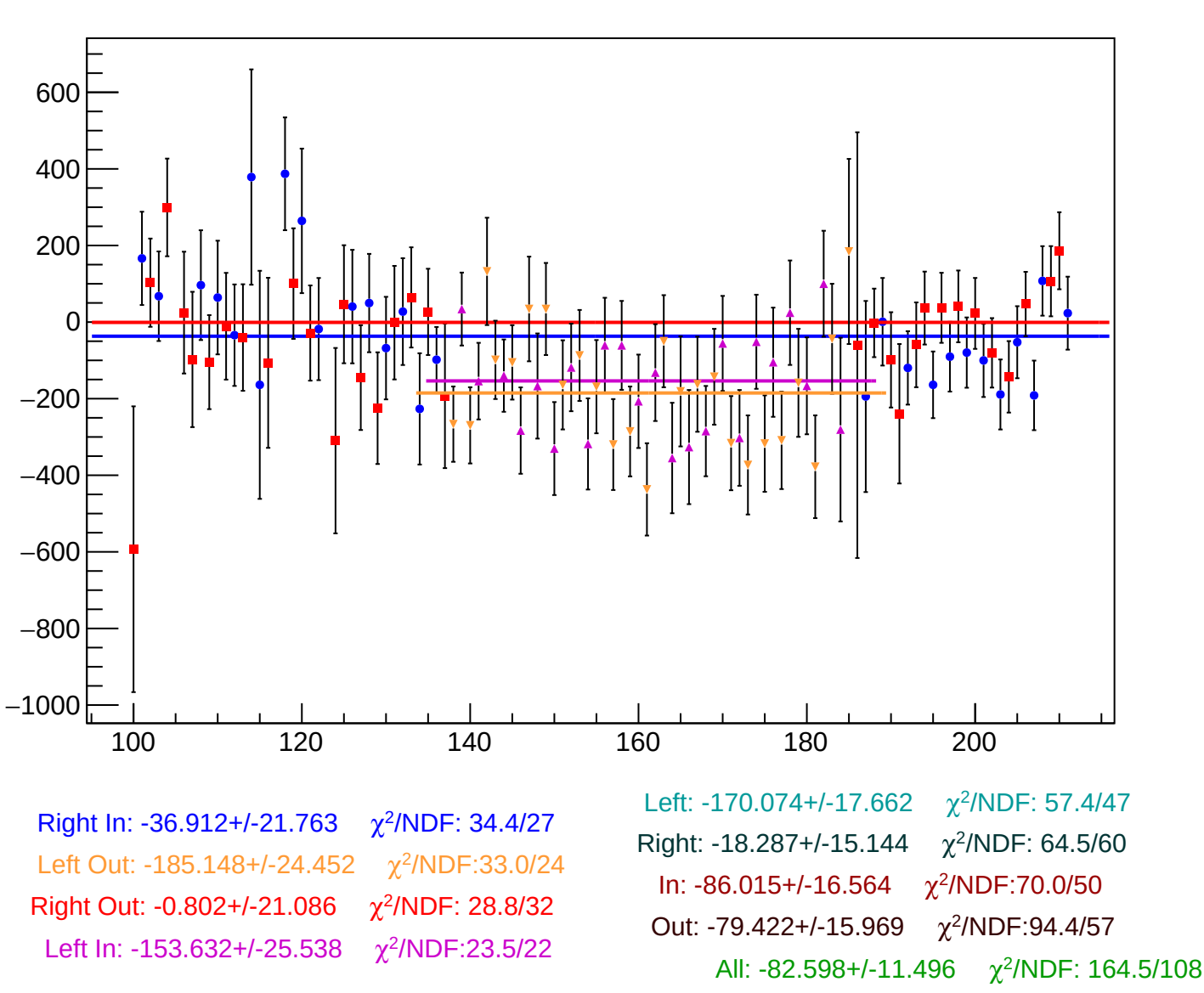
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

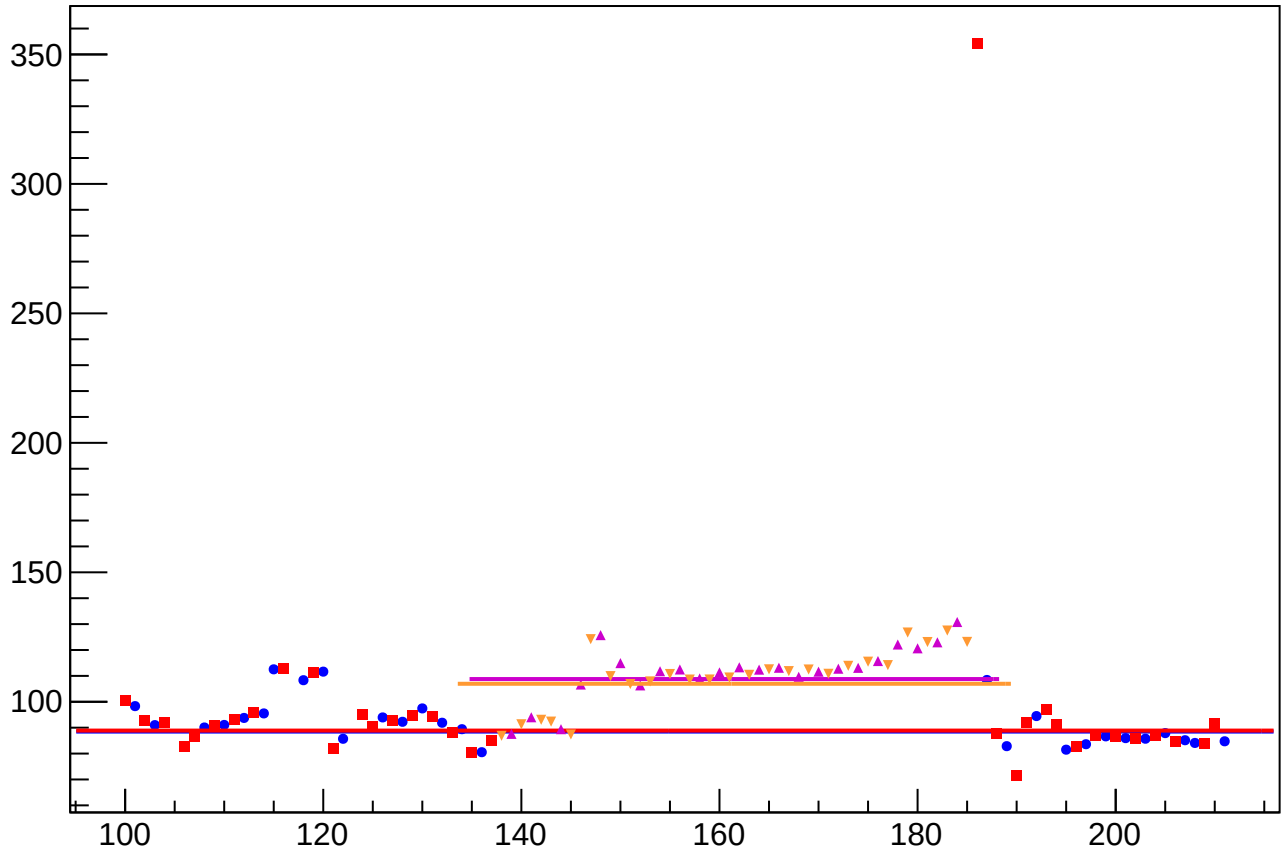
Right: 648.035+/-0.080 χ^2/NDF: 3182656.7/60

In: 645.978+/-0.079 χ^2/NDF:1694989.9/50

Out: 648.590+/-0.077 χ^2/NDF:2465894.7/57

All: 647.317+/-0.055 χ^2/NDF: 4161450.5/108


eigen_cor_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: -36.912+/-21.763 χ²/NDF: 34.4/27
Left Out: -185.148+/-24.452 χ²/NDF:33.0/24
Right Out: -0.802+/-21.086 χ²/NDF: 28.8/32
Left In: -153.632+/-25.538 χ²/NDF:23.5/22
Left: -170.074+/-17.662 χ²/NDF: 57.4/47
Right: -18.287+/-15.144 χ²/NDF: 64.5/60
In: -86.015+/-16.564 χ²/NDF:70.0/50
Out: -79.422+/-15.969 χ²/NDF:94.4/57
All: -82.598+/-11.496 χ²/NDF: 164.5/108



Right In: 88.493+/-0.015 χ^2/NDF: 190181.4/27

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.880+/-0.015 χ^2/NDF: 650803.2/32

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

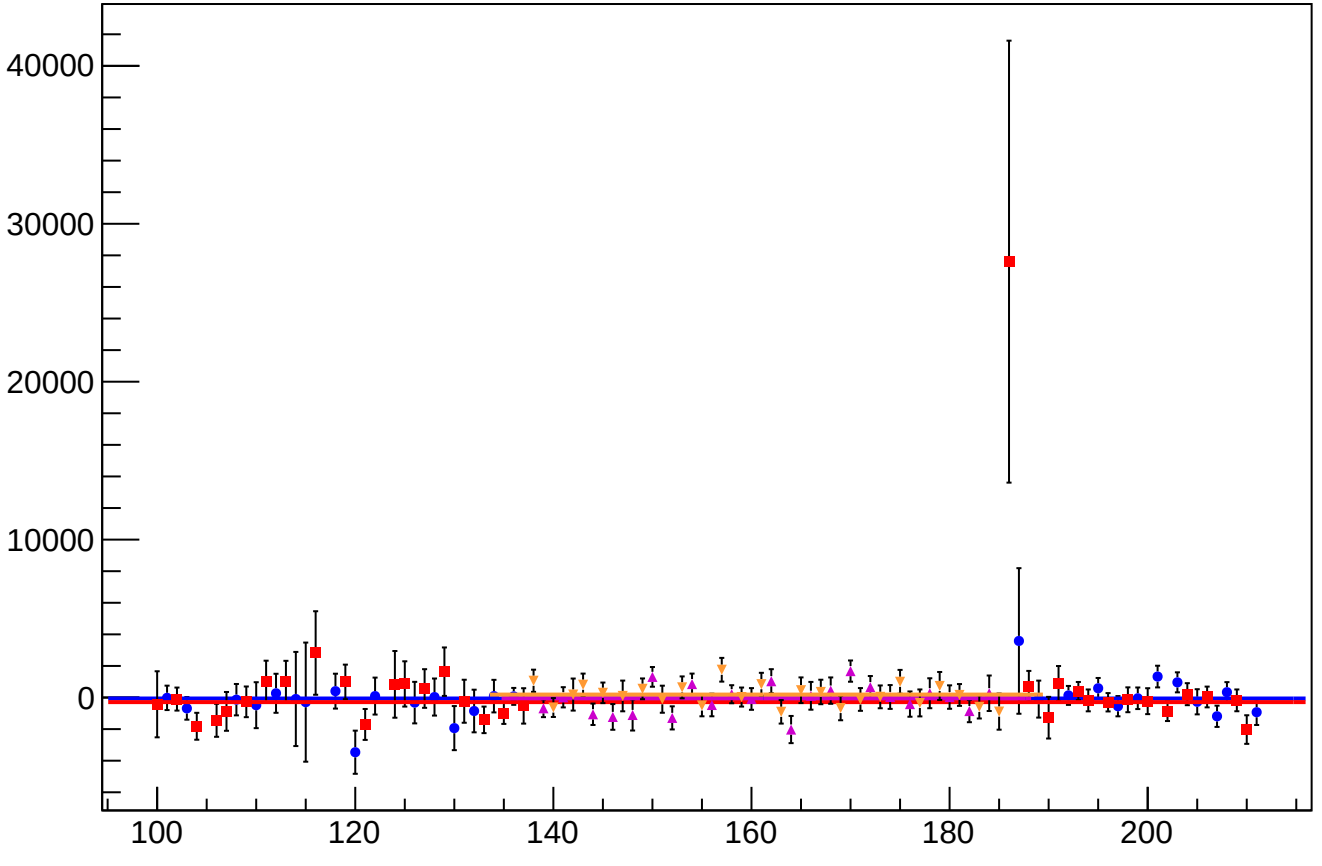
Right: 88.692+/-0.011 χ^2/NDF: 841309.7/60

In: 97.028+/-0.012 χ^2/NDF:1279779.9/50

Out: 96.588+/-0.011 χ^2/NDF:1741789.0/57

All: 96.800+/-0.008 χ^2/NDF: 3022300.7/108

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -62.057+/-162.871 χ^2/NDF: 23.0/27

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -290.283+/-158.203 χ^2/NDF: 31.1/32

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

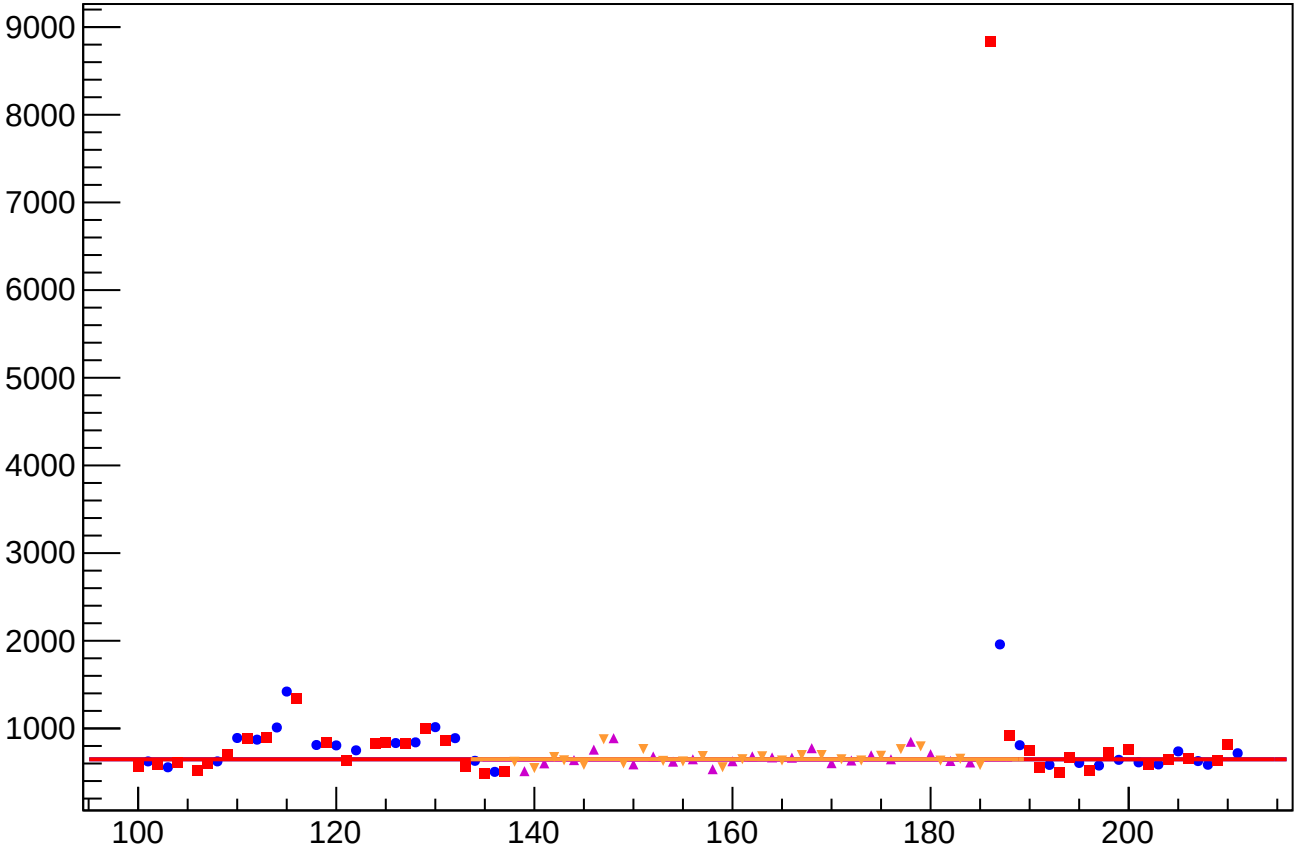
Right: -179.487+/-113.481 χ^2/NDF: 55.2/60

In: -52.009+/-111.148 χ^2/NDF:56.7/50

Out: -37.359+/-108.397 χ^2/NDF:55.0/57

All: -44.501+/-77.603 χ^2/NDF: 111.8/108

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 648.165+/-0.115 χ^2/NDF: 1135194.0/27

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 647.913+/-0.112 χ^2/NDF: 2047460.3/32

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

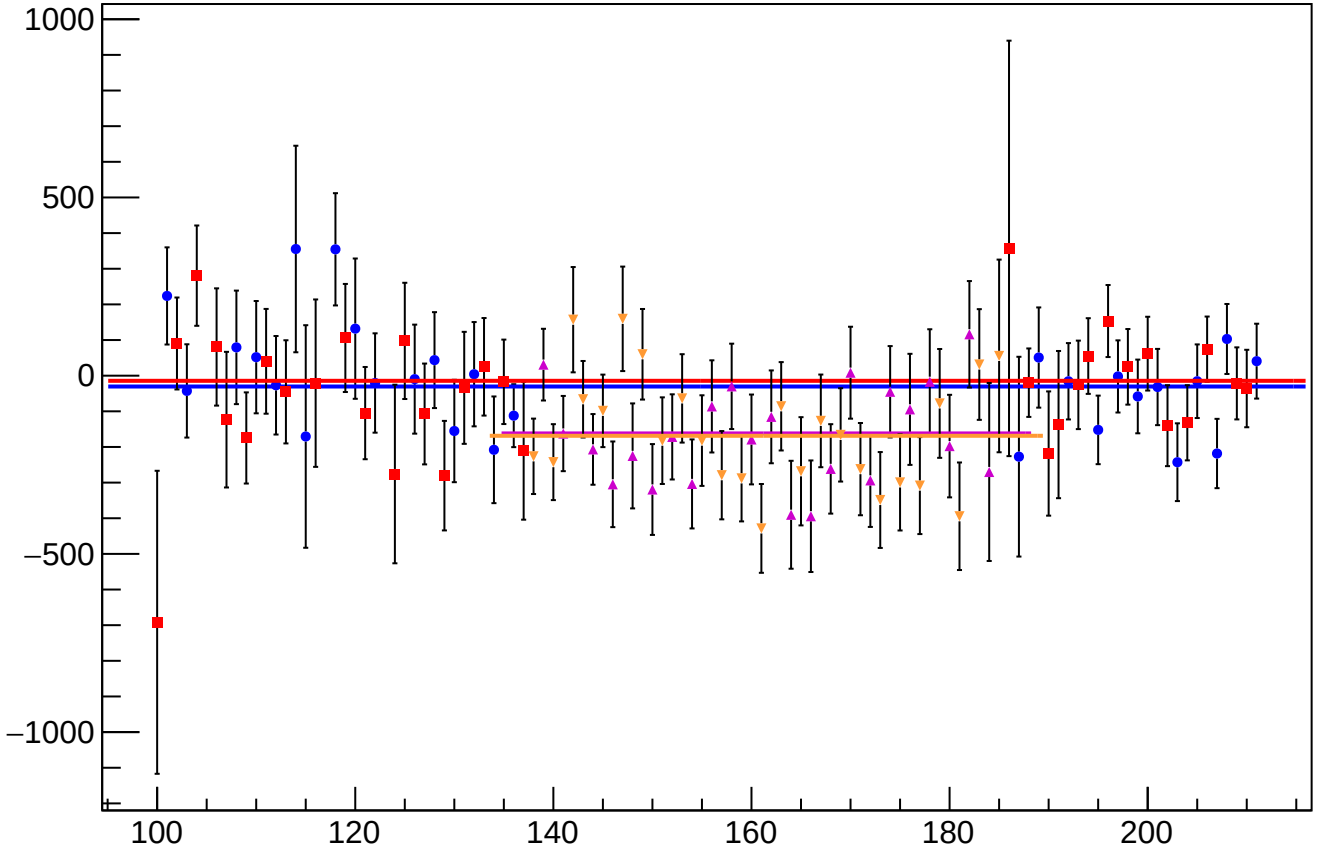
Right: 648.035+/-0.080 χ^2/NDF: 3182656.7/60

In: 645.978+/-0.079 χ^2/NDF:1694989.9/50

Out: 648.590+/-0.077 χ^2/NDF:2465894.7/57

All: 647.317+/-0.055 χ^2/NDF: 4161450.5/108

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -30.407+/-23.801 χ^2/NDF: 28.7/27

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -14.400+/-23.147 χ^2/NDF: 26.7/32

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

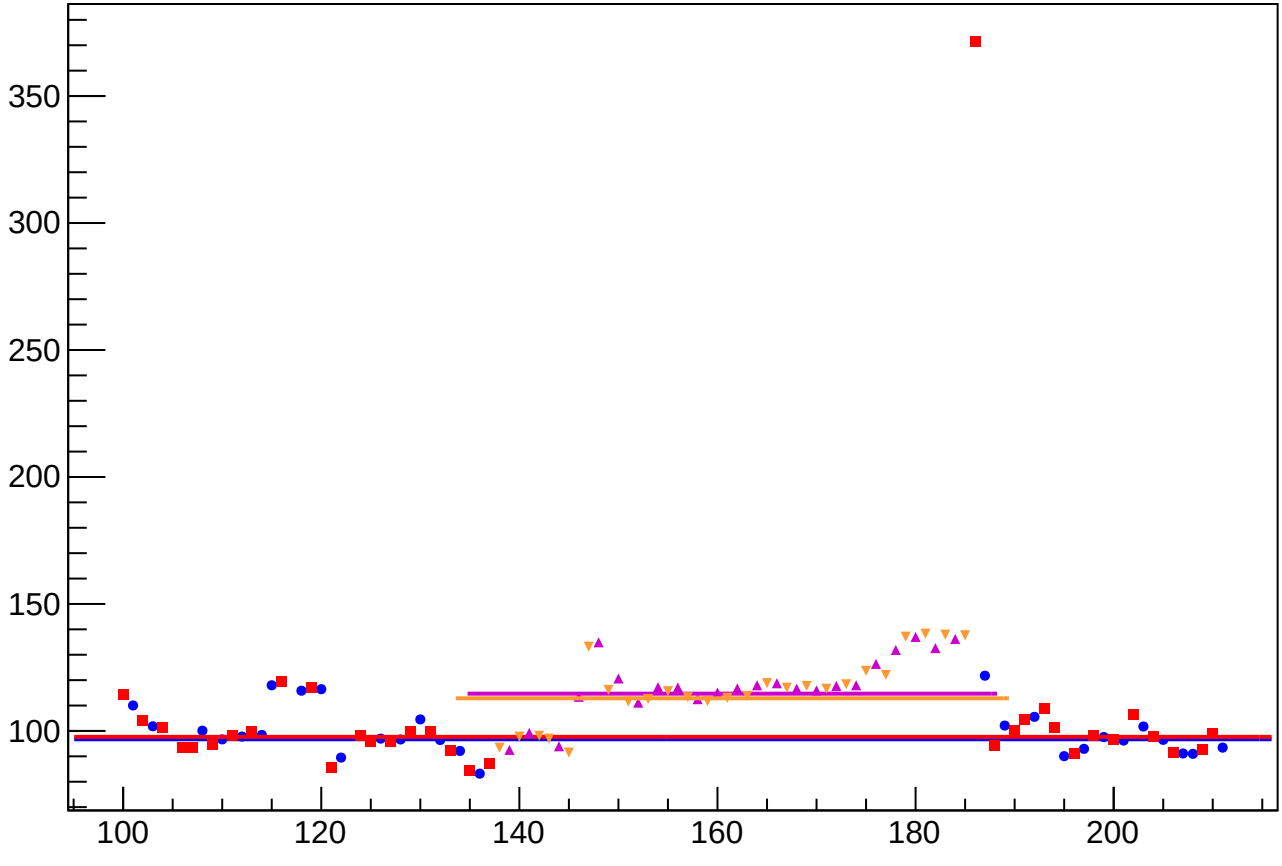
Right: -22.181+/-16.594 χ^2/NDF: 55.7/60

In: -88.088+/-17.839 χ^2/NDF:65.7/50

Out: -83.124+/-17.235 χ^2/NDF:78.9/57

All: -85.521+/-12.395 χ^2/NDF: 144.6/108

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.724+/-0.017 χ^2/NDF: 206904.7/27

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.673+/-0.016 χ^2/NDF: 615346.2/32

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

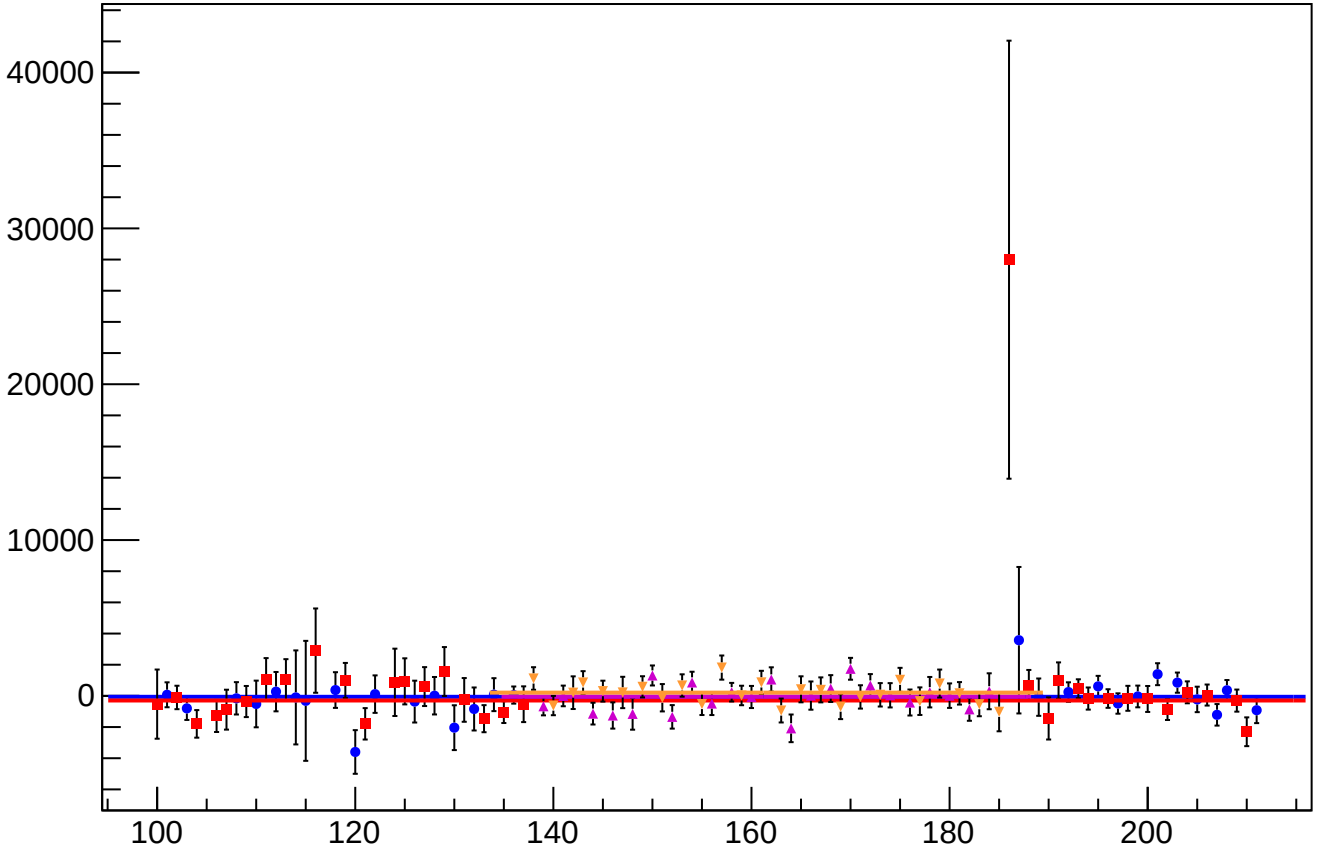
Right: 97.212+/-0.012 χ^2/NDF: 823885.7/60

In: 104.592+/-0.013 χ^2/NDF:1115533.1/50

Out: 104.435+/-0.012 χ^2/NDF:1510720.8/57

All: 104.511+/-0.009 χ^2/NDF: 2626333.3/108

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -58.826+/-167.476 χ^2/NDF: 22.9/27

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -294.991+/-162.901 χ^2/NDF: 31.9/32

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

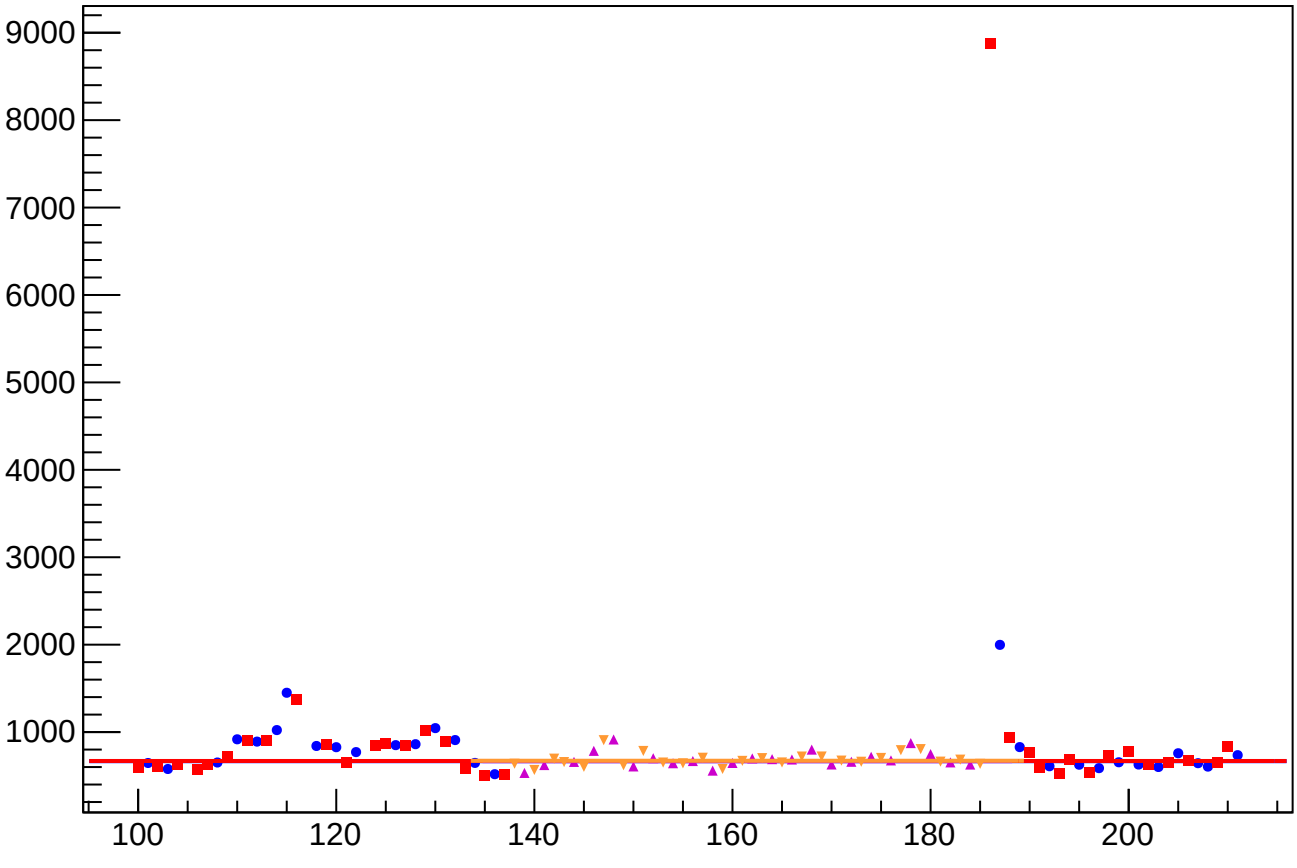
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -180.179+/-116.772 χ^2/NDF: 55.8/60

In: -54.283+/-114.728 χ^2/NDF:56.2/50

Out: -28.531+/-111.880 χ^2/NDF:55.8/57

All: -41.083+/-80.099 χ^2/NDF: 112.1/108



Right In: 666.873+/-0.118 χ^2/NDF: 1120394.5/27

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 669.523+/-0.115 χ^2/NDF: 1954035.9/32

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

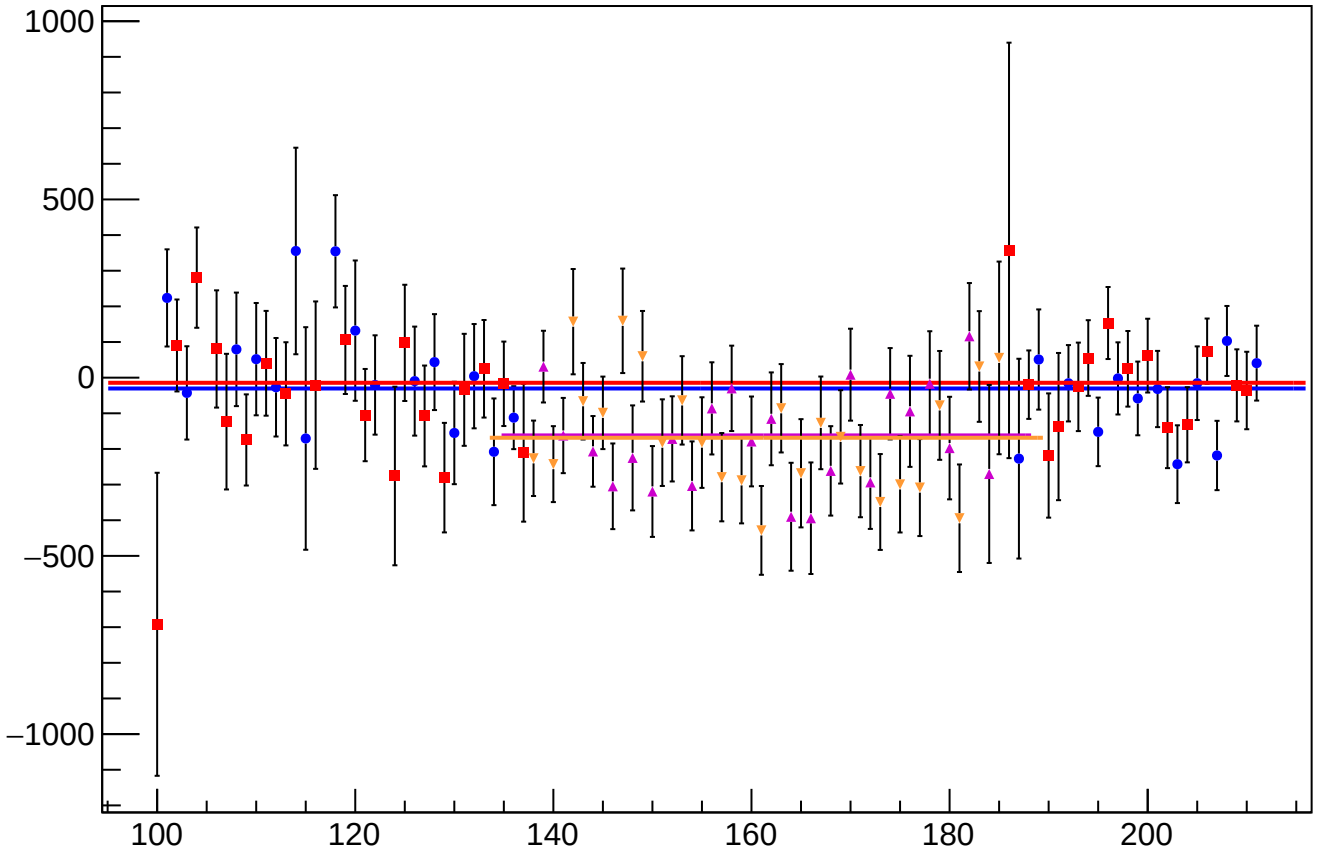
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 668.235+/-0.083 χ^2/NDF: 3074687.7/60

In: 667.121+/-0.081 χ^2/NDF:1667306.4/50

Out: 670.752+/-0.079 χ^2/NDF:2353411.2/57

All: 668.982+/-0.057 χ^2/NDF: 4021743.9/108



Right In: -30.406+/-23.801 χ^2/NDF: 28.7/27

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -14.400+/-23.147 χ^2/NDF: 26.7/32

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

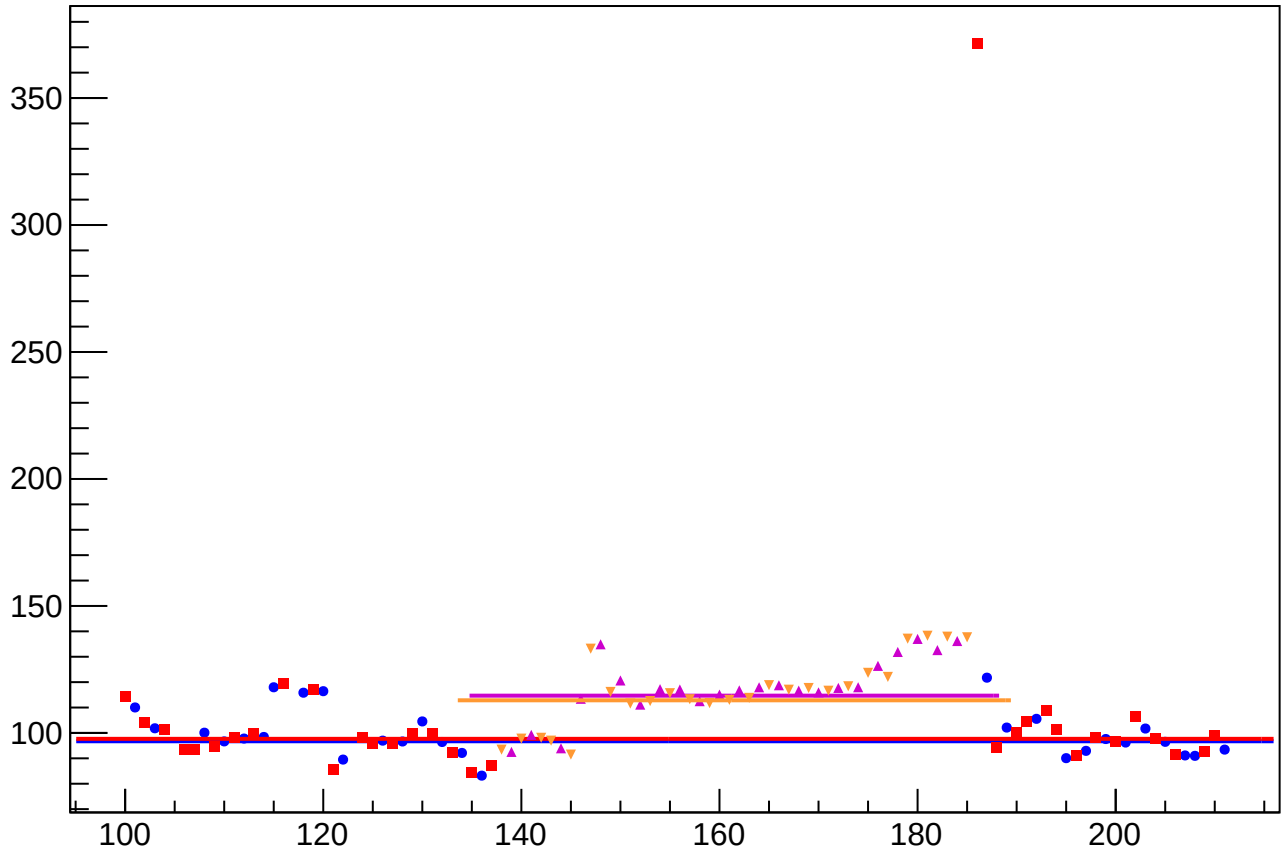
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -22.180+/-16.594 χ^2/NDF: 55.7/60

In: -88.088+/-17.839 χ^2/NDF:65.7/50

Out: -83.124+/-17.235 χ^2/NDF:78.9/57

All: -85.521+/-12.395 χ^2/NDF: 144.6/108



Right In: 96.724+/-0.017 χ^2/NDF: 206909.1/27

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.673+/-0.016 χ^2/NDF: 615347.6/32

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

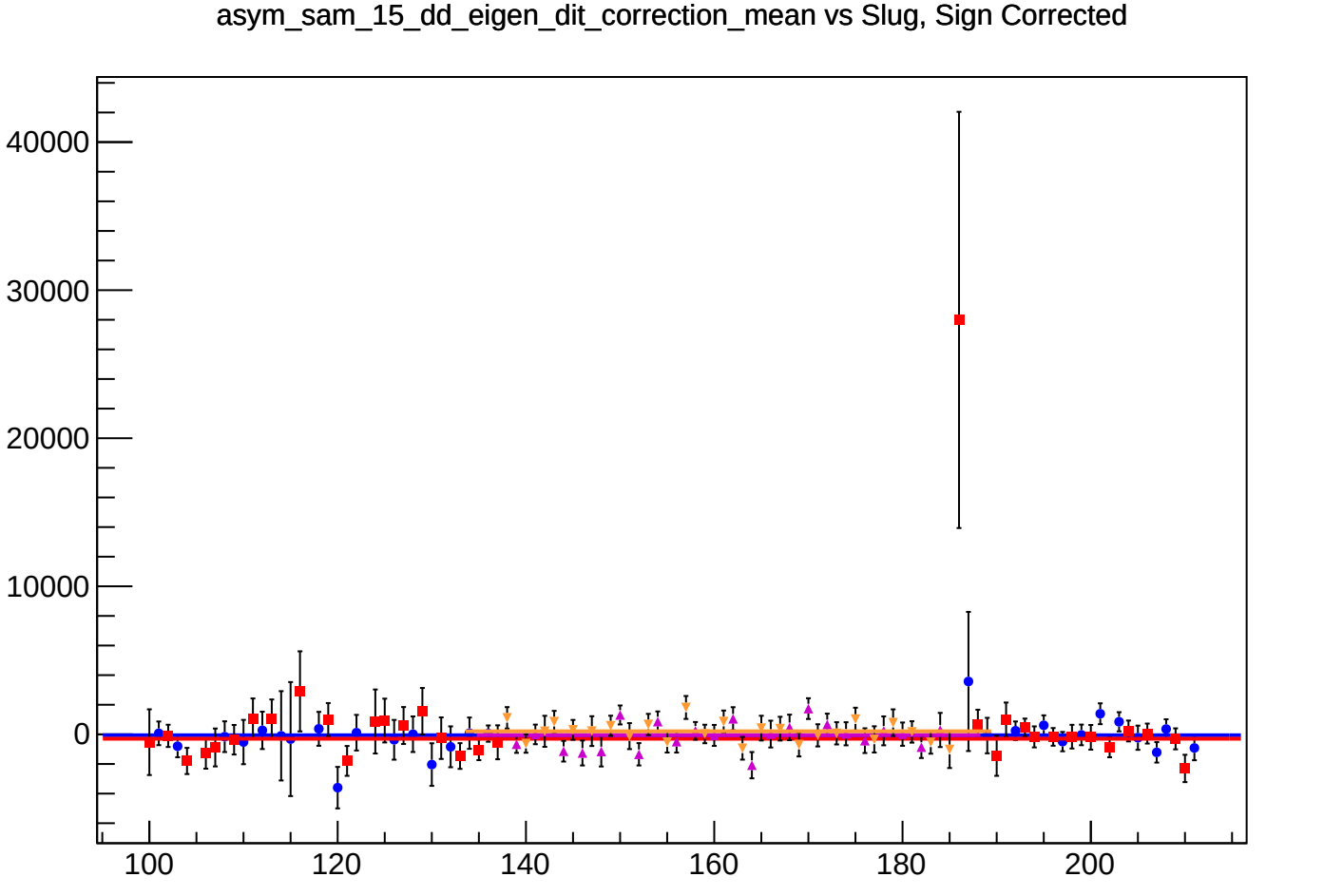
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.211+/-0.012 χ^2/NDF: 823891.5/60

In: 104.591+/-0.013 χ^2/NDF:1115548.3/50

Out: 104.435+/-0.012 χ^2/NDF:1510724.2/57

All: 104.511+/-0.009 χ^2/NDF: 2626351.8/108



Right In: -58.826+/-167.476 χ^2/NDF: 22.9/27

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -294.991+/-162.901 χ^2/NDF: 31.9/32

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

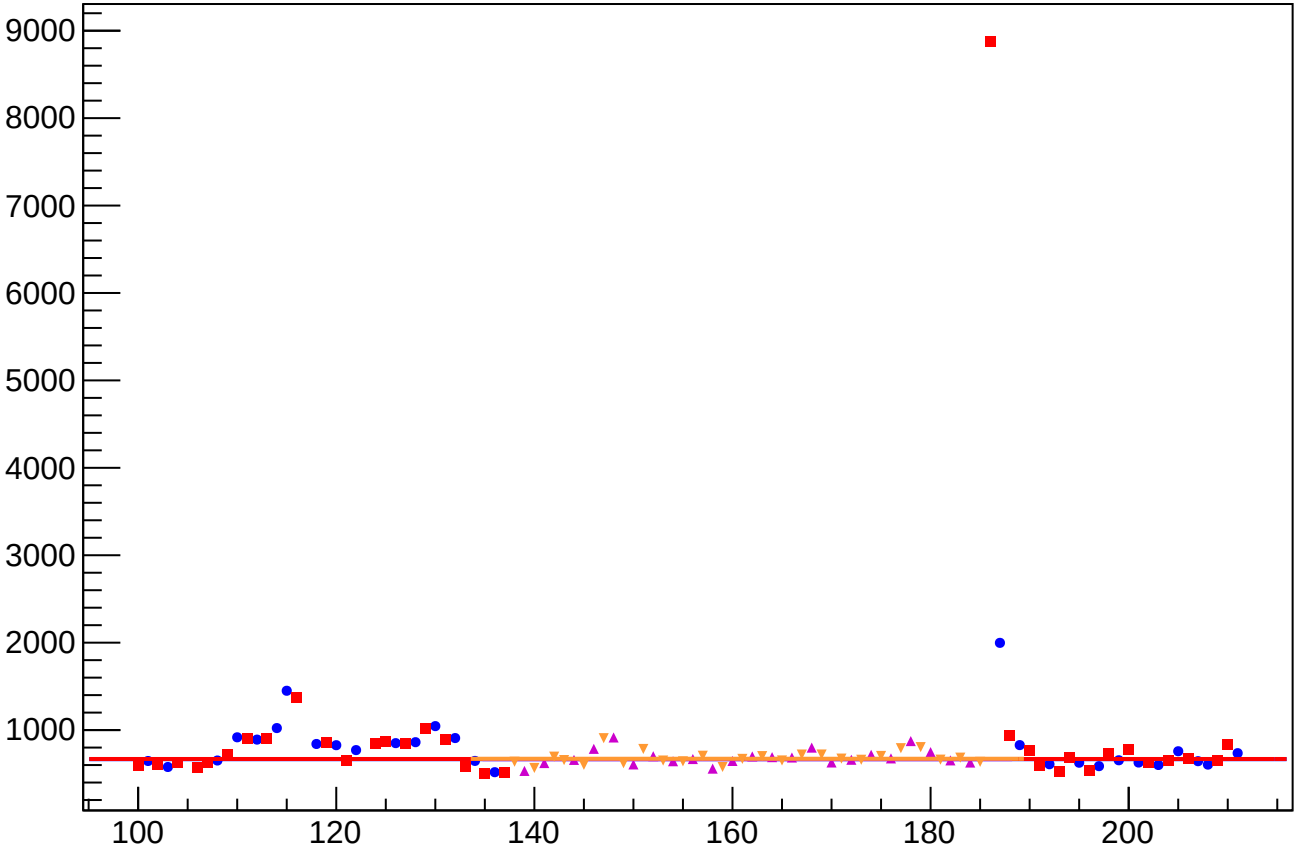
Right: -180.179+/-116.772 χ^2/NDF: 55.8/60

In: -54.283+/-114.728 χ^2/NDF:56.2/50

Out: -28.531+/-111.880 χ^2/NDF:55.8/57

All: -41.084+/-80.099 χ^2/NDF: 112.1/108

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 666.872+/-0.118 χ^2/NDF: 1120396.3/27

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 669.522+/-0.115 χ^2/NDF: 1954040.8/32

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

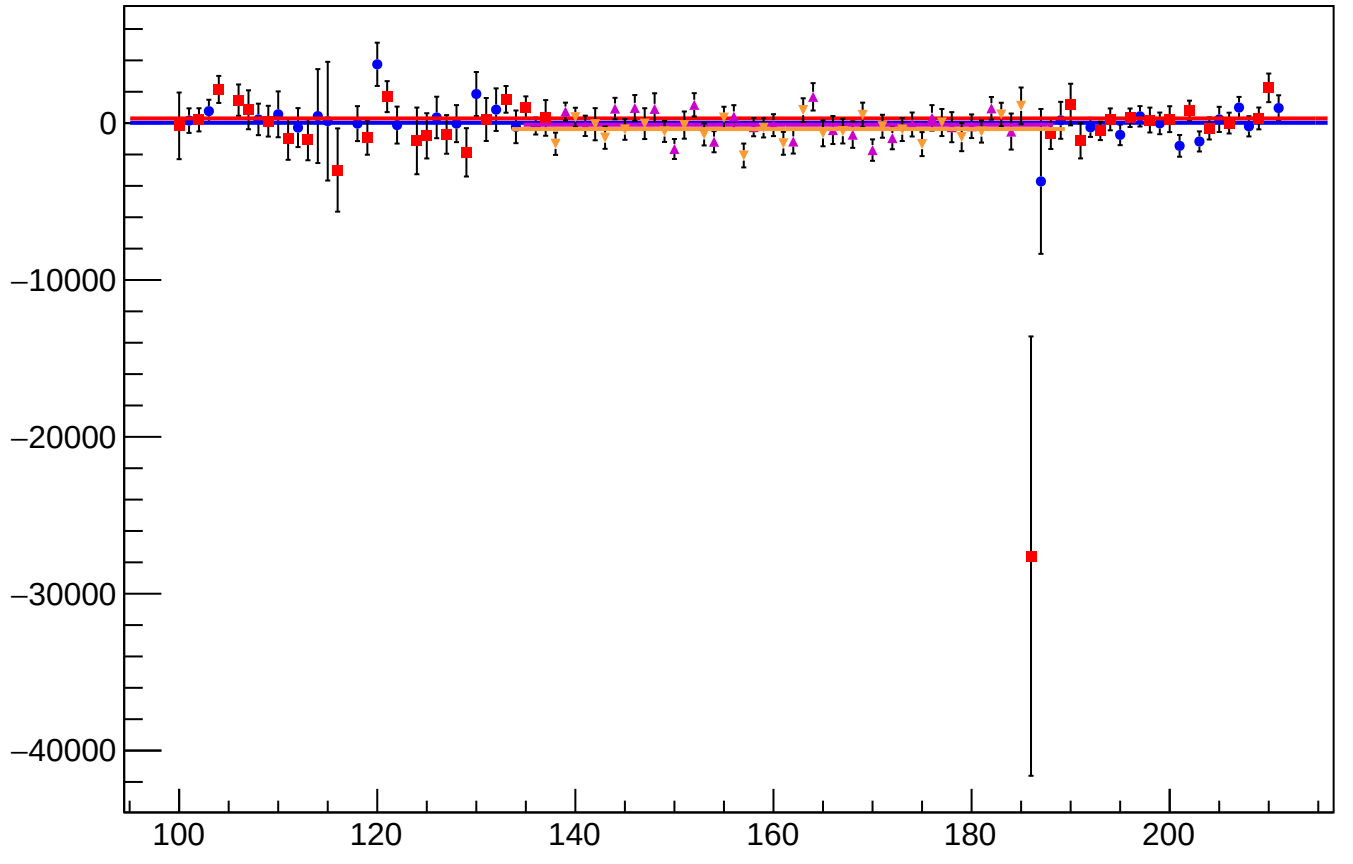
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 668.234+/-0.083 χ^2/NDF: 3074694.4/60

In: 667.122+/-0.081 χ^2/NDF:1667310.4/50

Out: 670.752+/-0.079 χ^2/NDF:2353416.7/57

All: 668.982+/-0.057 χ^2/NDF: 4021753.4/108



Right In: 22.014+/-164.523 χ^2/NDF: 25.2/27

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 299.906+/-159.665 χ^2/NDF: 35.0/32

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

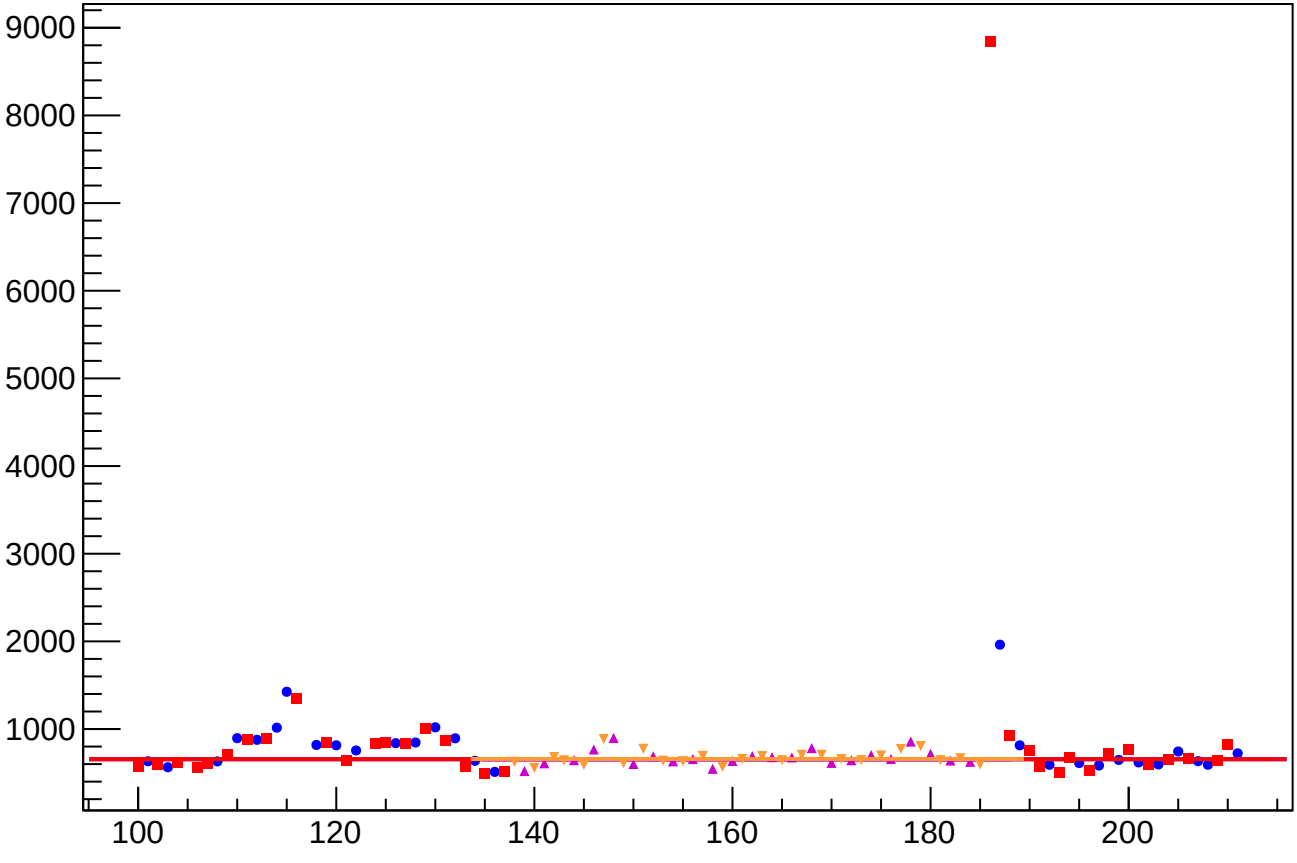
Right: 165.123+/-114.579 χ^2/NDF: 61.7/60

In: -44.654+/-112.561 χ^2/NDF:61.1/50

Out: -57.638+/-109.690 χ^2/NDF:65.9/57

All: -51.314+/-78.558 χ^2/NDF: 127.0/108

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 655.127+/-0.116 χ^2/NDF: 1110137.3/27

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 655.722+/-0.113 χ^2/NDF: 1996687.6/32

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

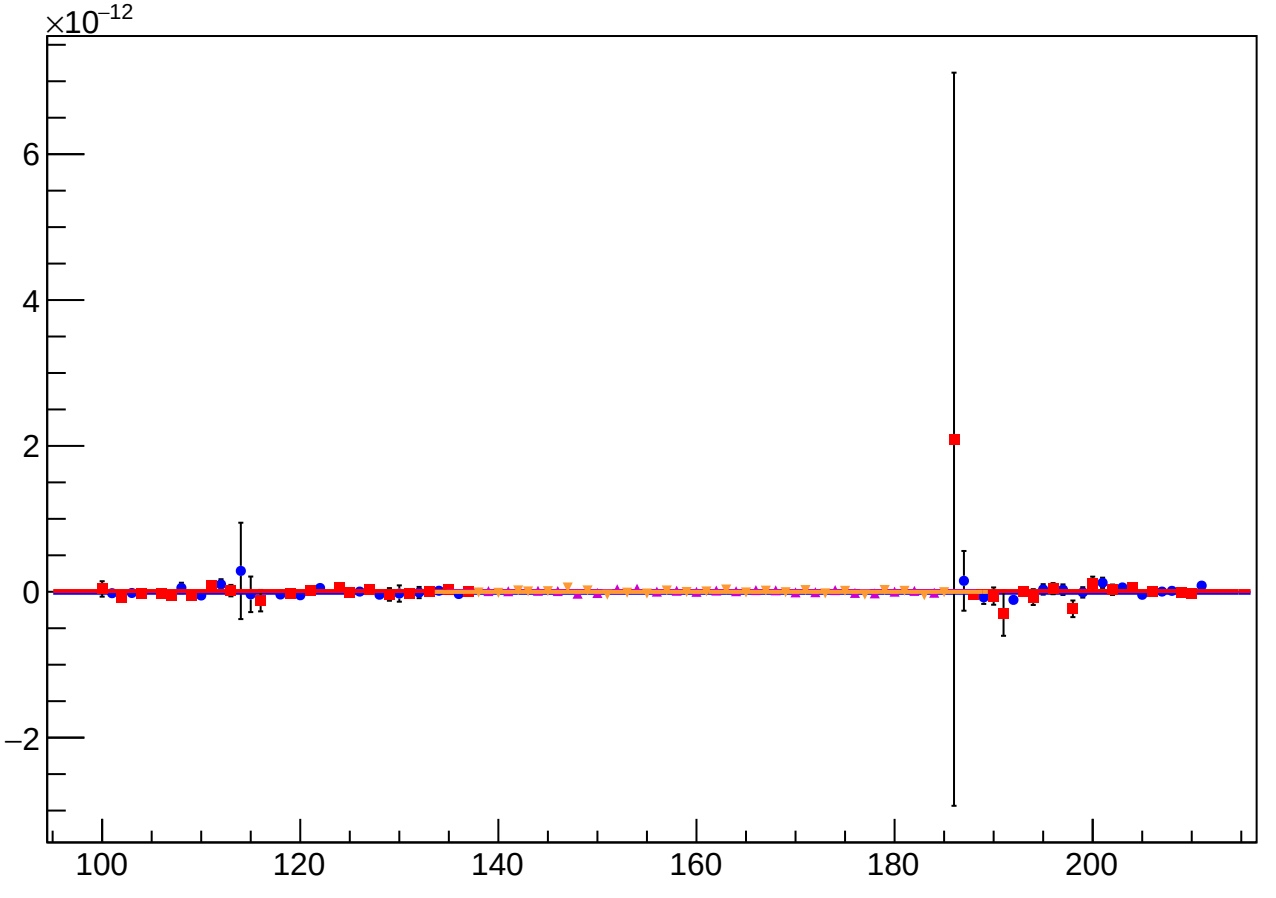
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 655.433+/-0.081 χ^2/NDF: 3106838.3/60

In: 654.501+/-0.080 χ^2/NDF:1652269.8/50

Out: 657.280+/-0.078 χ^2/NDF:2406732.6/57

All: 655.926+/-0.056 χ^2/NDF: 4059627.6/108



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/32

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

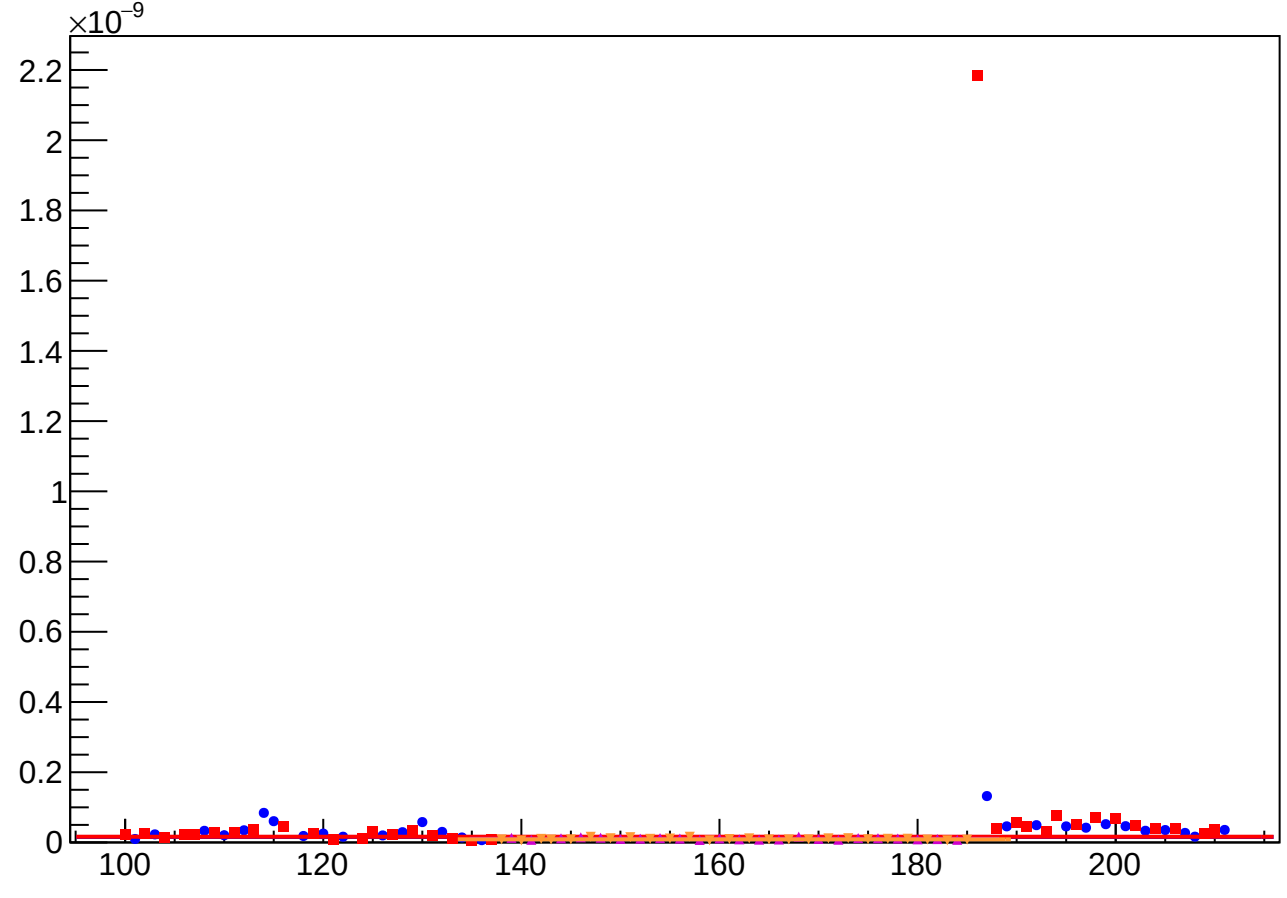
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 57.1/60

In: 0.000+/-0.000 χ^2/NDF:47.5/50

Out: 0.000+/-0.000 χ^2/NDF:61.0/57

All: 0.000+/-0.000 χ^2/NDF: 108.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 5941085.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7509003.5/32

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

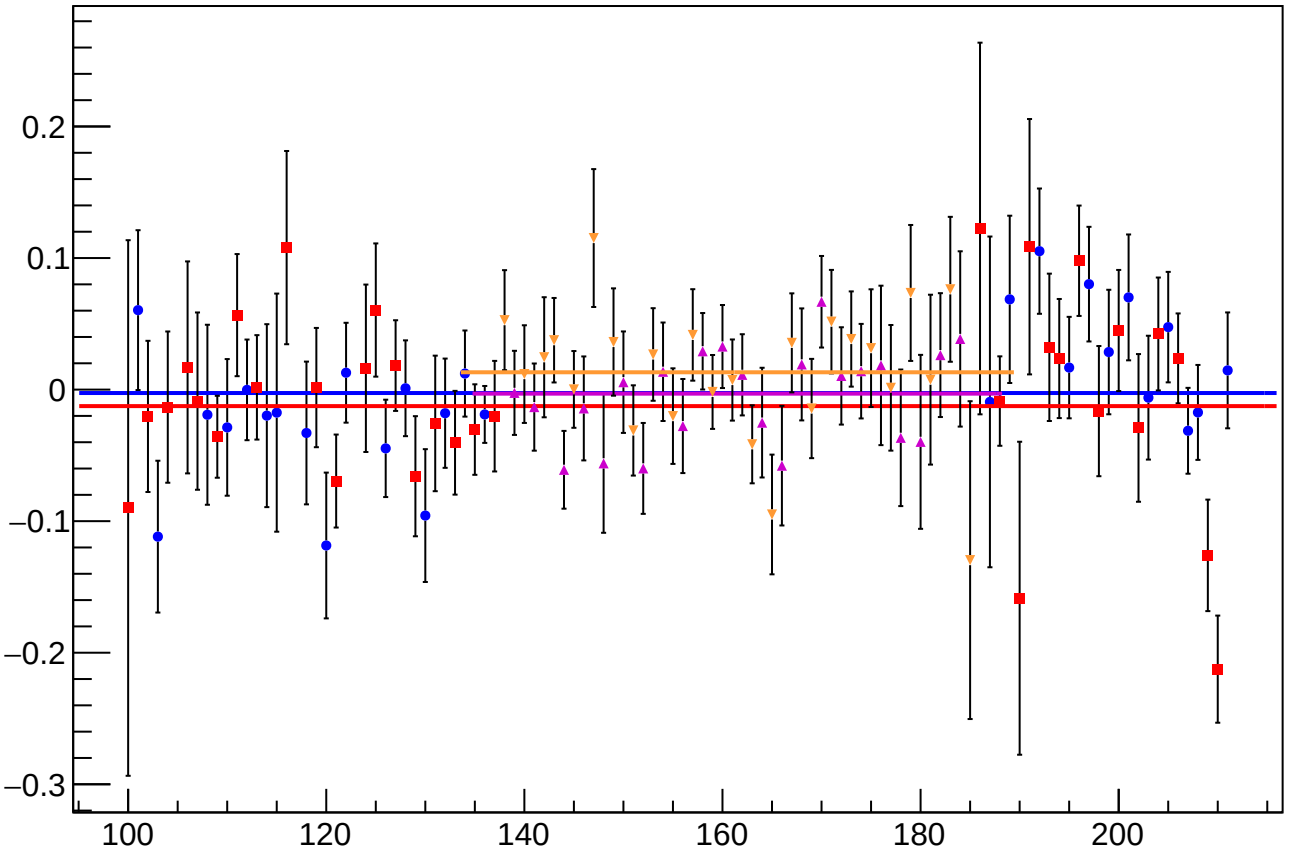
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 13459516.5/60

In: 0.000+/-0.000 χ^2/NDF:7507606.5/50

Out: 0.000+/-0.000 χ^2/NDF:10236124.7/57

All: 0.000+/-0.000 χ^2/NDF: 17869521.4/108



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.008 χ^2/NDF: 61.8/32

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

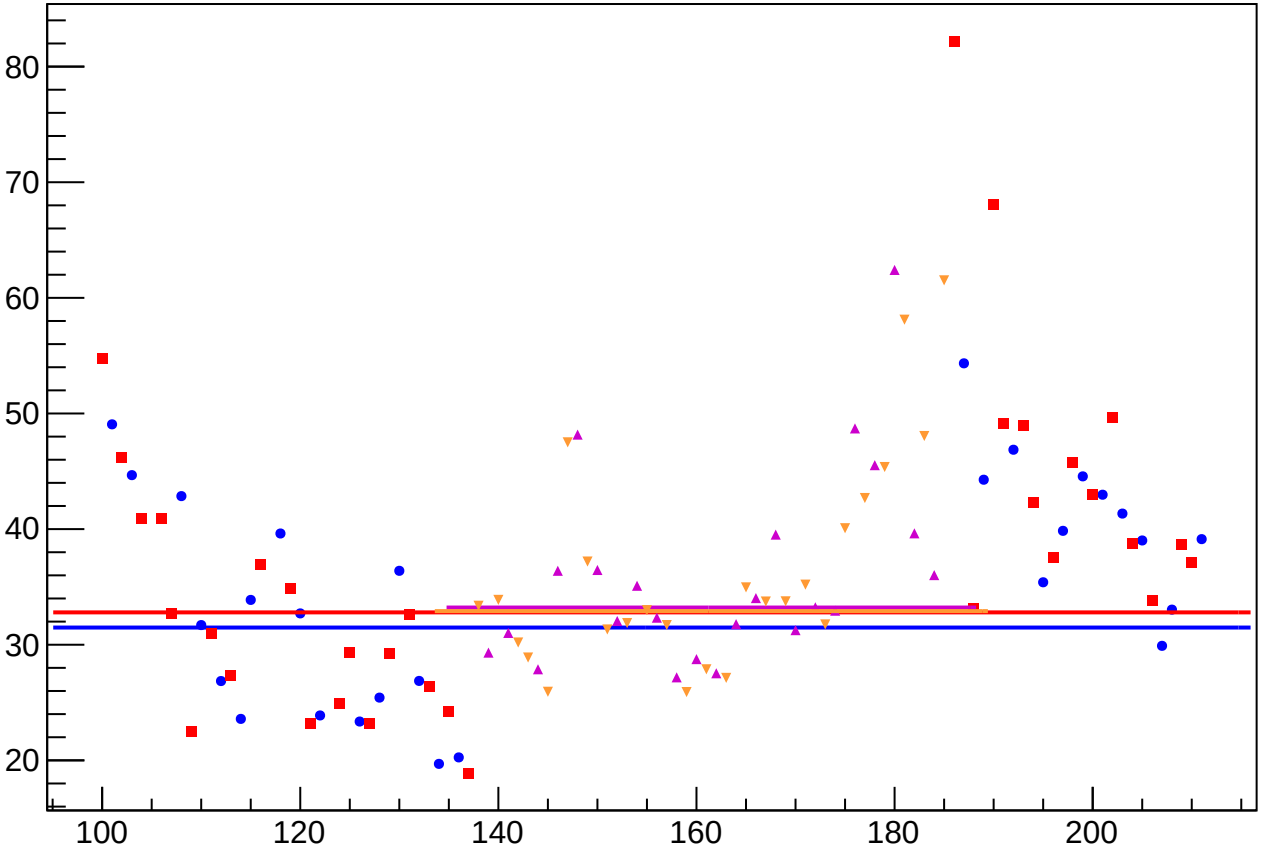
Right: -0.008+/-0.006 χ^2/NDF: 93.6/60

In: -0.003+/-0.006 χ^2/NDF:50.2/50

Out: 0.001+/-0.006 χ^2/NDF:92.5/57

All: -0.001+/-0.004 χ^2/NDF: 142.9/108

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.486+/-0.006 χ^2/NDF: 2442526.2/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.798+/-0.006 χ^2/NDF: 2486342.0/32

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

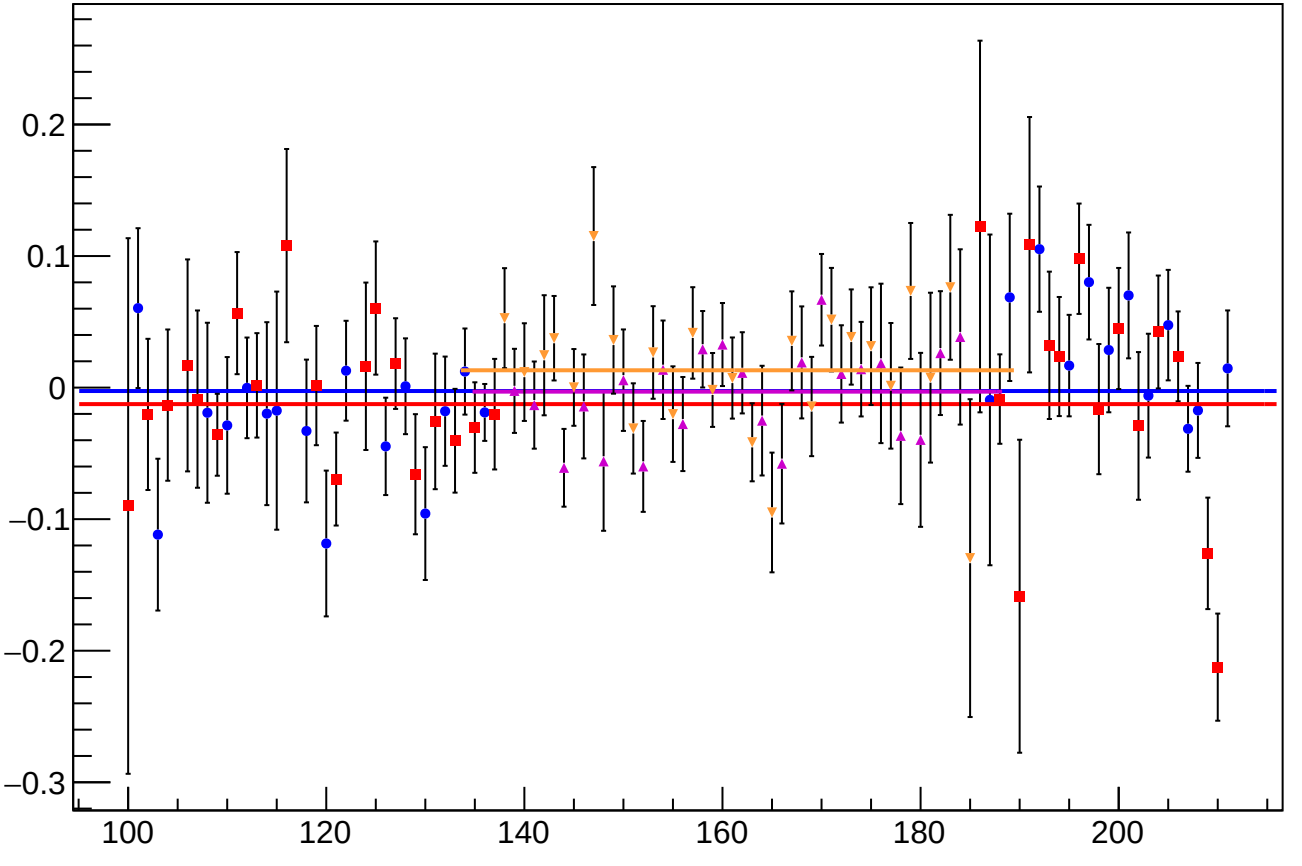
Right: 32.144+/-0.004 χ^2/NDF: 4954970.0/60

In: 32.369+/-0.004 χ^2/NDF:3710214.8/50

Out: 32.856+/-0.004 χ^2/NDF:3914458.3/57

All: 32.617+/-0.003 χ^2/NDF: 7632121.4/108

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.008 χ^2/NDF: 61.8/32

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

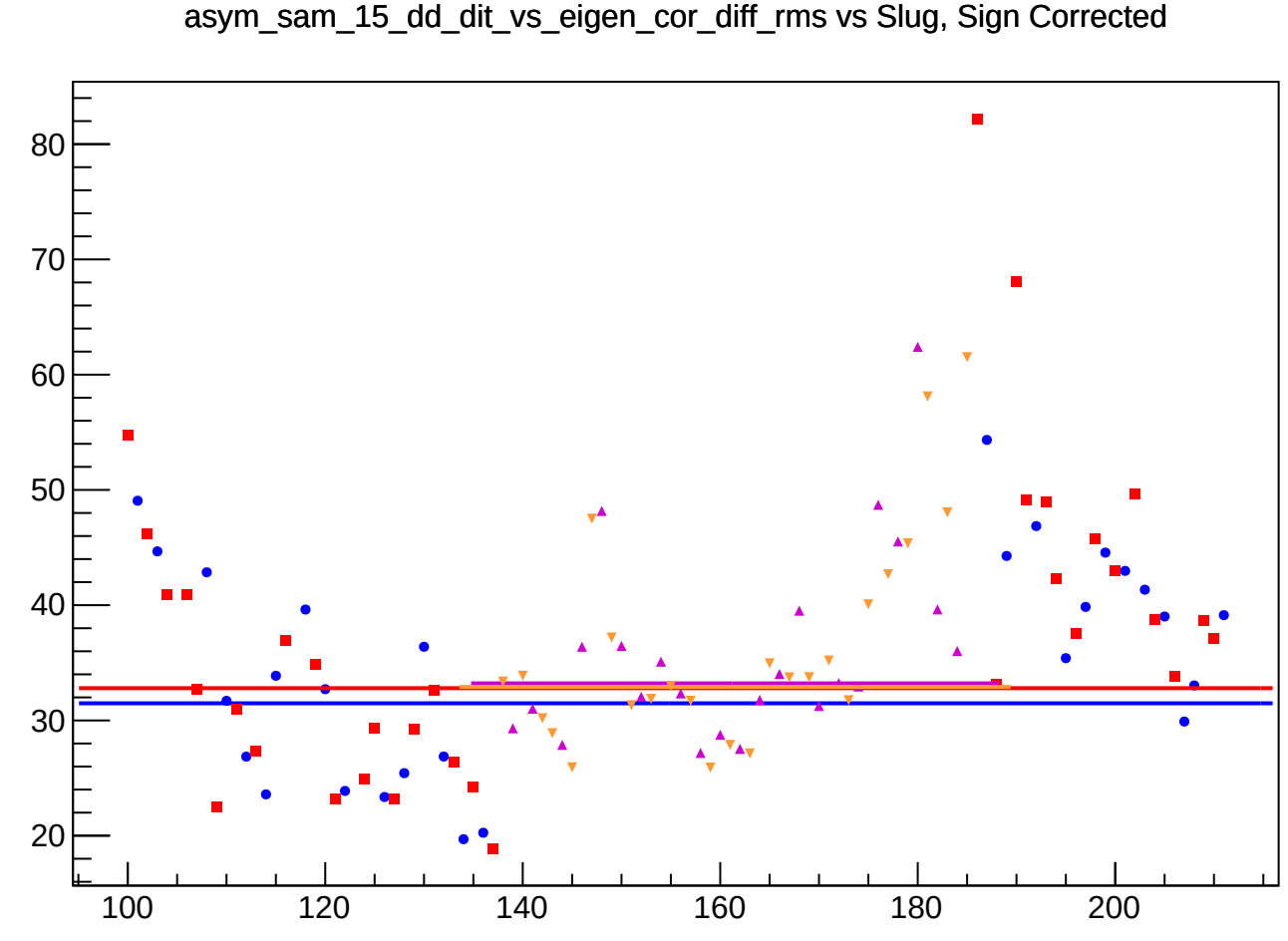
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.008+/-0.006 χ^2/NDF: 93.6/60

In: -0.003+/-0.006 χ^2/NDF:50.2/50

Out: 0.001+/-0.006 χ^2/NDF:92.5/57

All: -0.001+/-0.004 χ^2/NDF: 142.9/108



Right In: 31.486+/-0.006 χ^2/NDF: 2442526.2/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.798+/-0.006 χ^2/NDF: 2486342.0/32

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

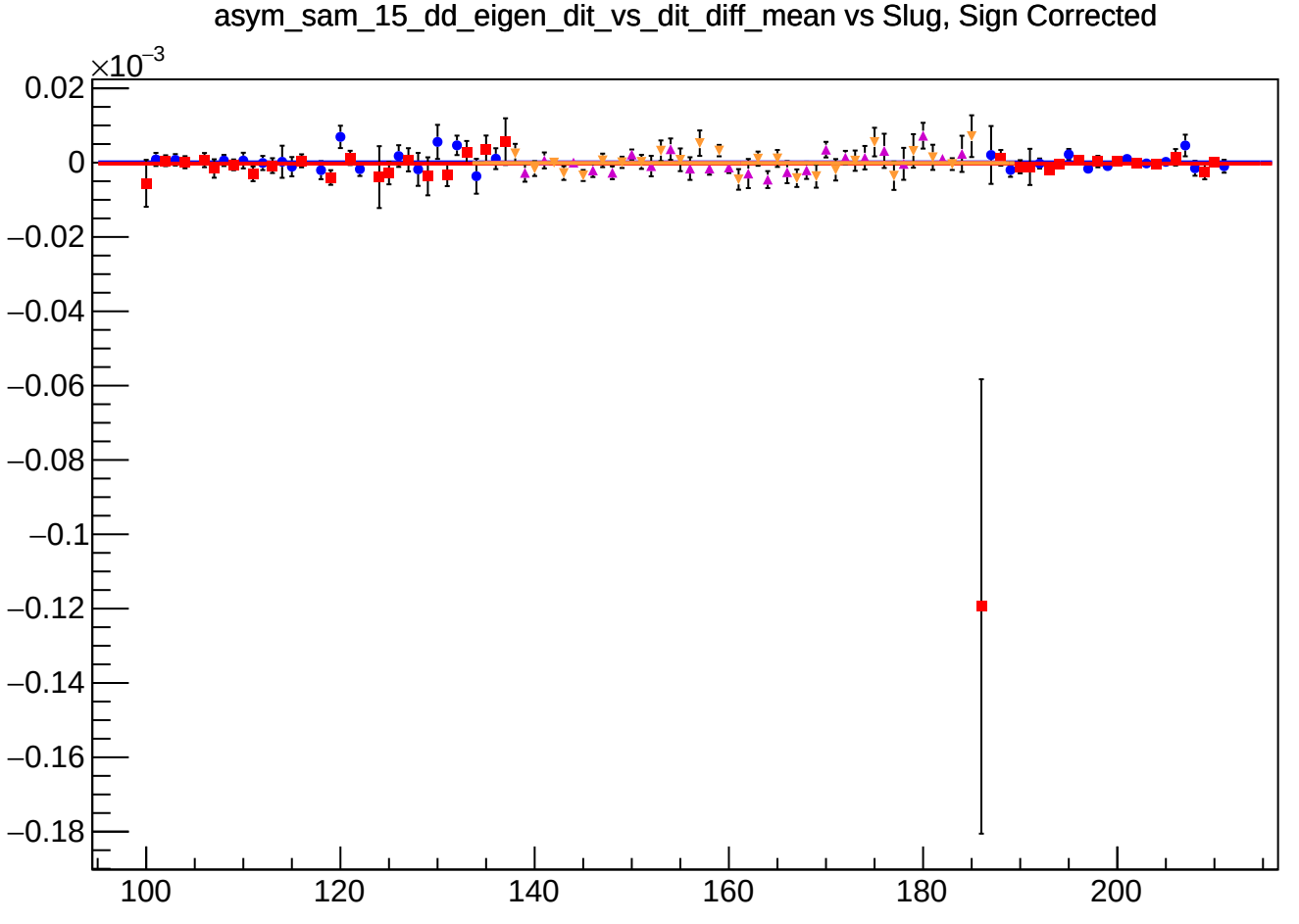
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 32.144+/-0.004 χ^2/NDF: 4954970.0/60

In: 32.369+/-0.004 χ^2/NDF:3710214.8/50

Out: 32.856+/-0.004 χ^2/NDF:3914458.3/57

All: 32.617+/-0.003 χ^2/NDF: 7632121.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/32

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

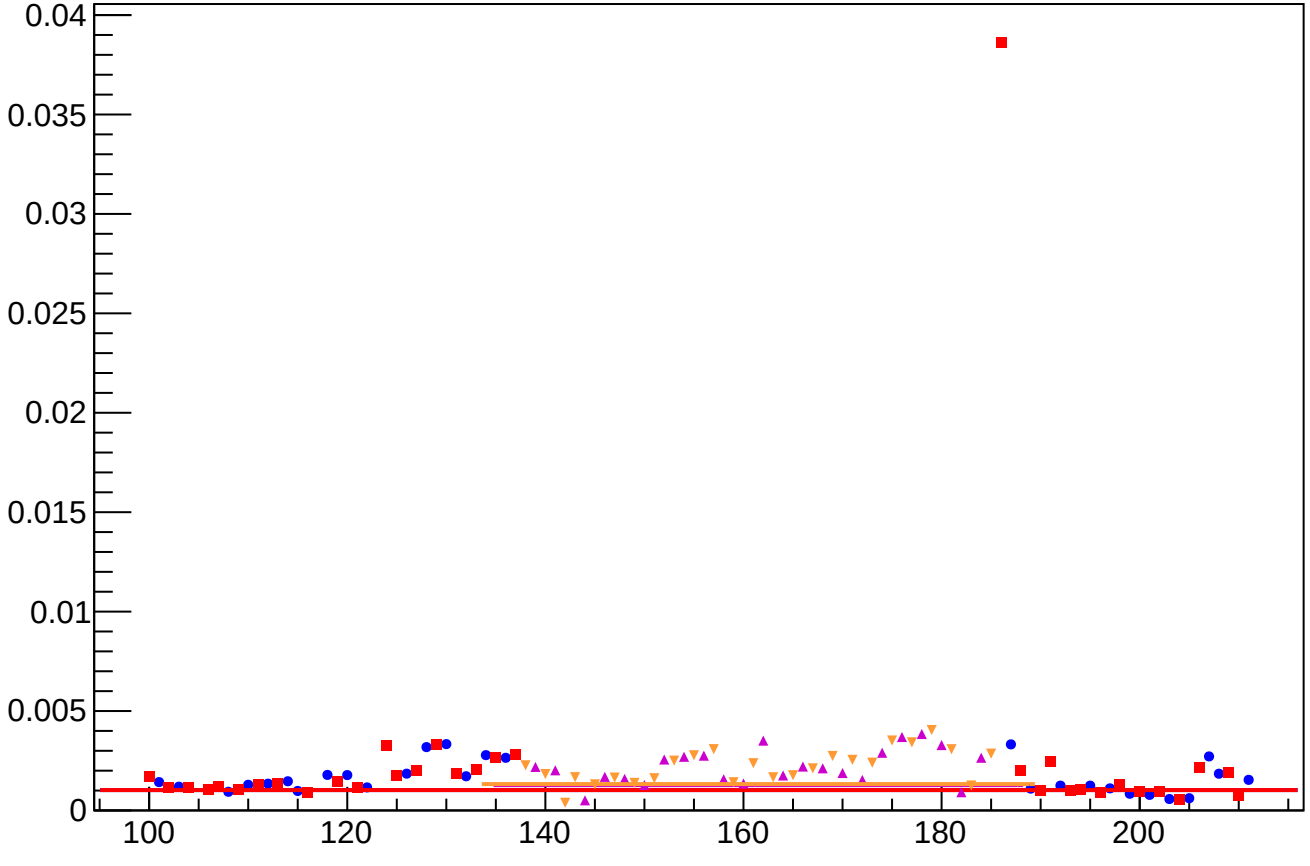
Right: -0.000+/-0.000 χ^2/NDF: 48.6/60

In: 0.000+/-0.000 χ^2/NDF:51.8/50

Out: -0.000+/-0.000 χ^2/NDF:54.3/57

All: -0.000+/-0.000 χ^2/NDF: 106.7/108

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5953810.7/27

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6004295.6/32

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

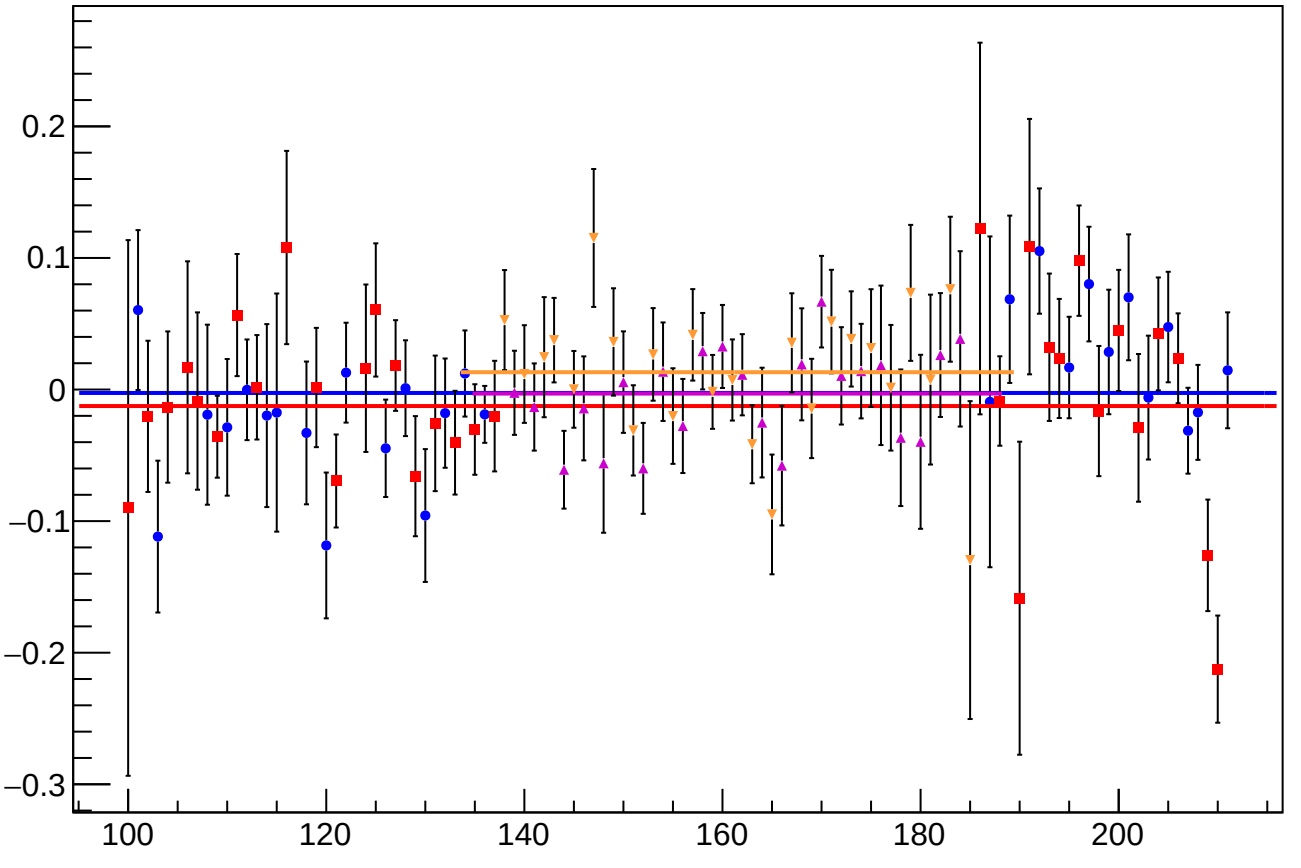
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11958106.6/60

In: 0.001+/-0.000 χ^2/NDF:16427396.5/50

Out: 0.001+/-0.000 χ^2/NDF:18036772.9/57

All: 0.001+/-0.000 χ^2/NDF: 34465464.1/108



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.008 χ^2/NDF: 61.8/32

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

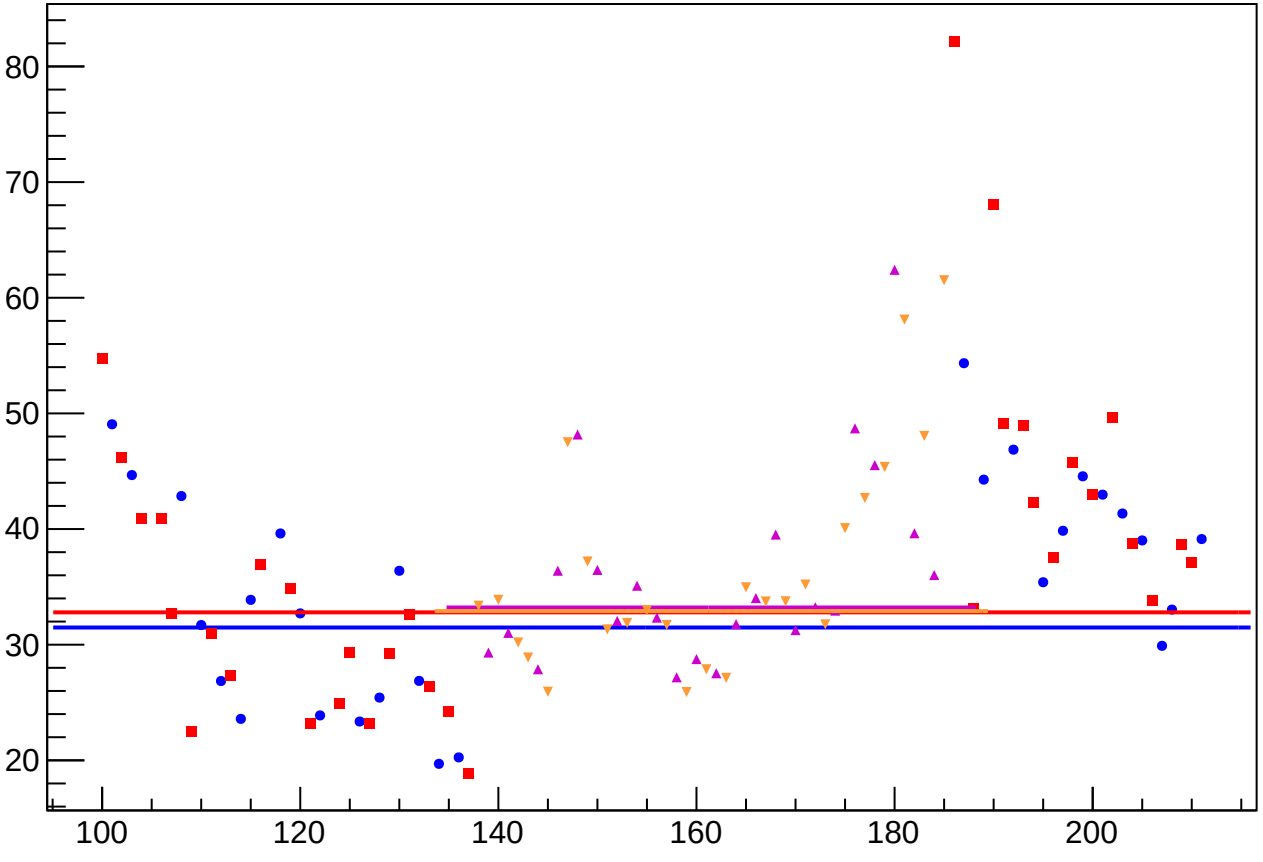
Right: -0.008+/-0.006 χ^2/NDF: 93.6/60

In: -0.003+/-0.006 χ^2/NDF:50.2/50

Out: 0.001+/-0.006 χ^2/NDF:92.5/57

All: -0.001+/-0.004 χ^2/NDF: 142.9/108

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.486+/-0.006 χ^2/NDF: 2442751.5/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.797+/-0.006 χ^2/NDF: 2486685.3/32

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

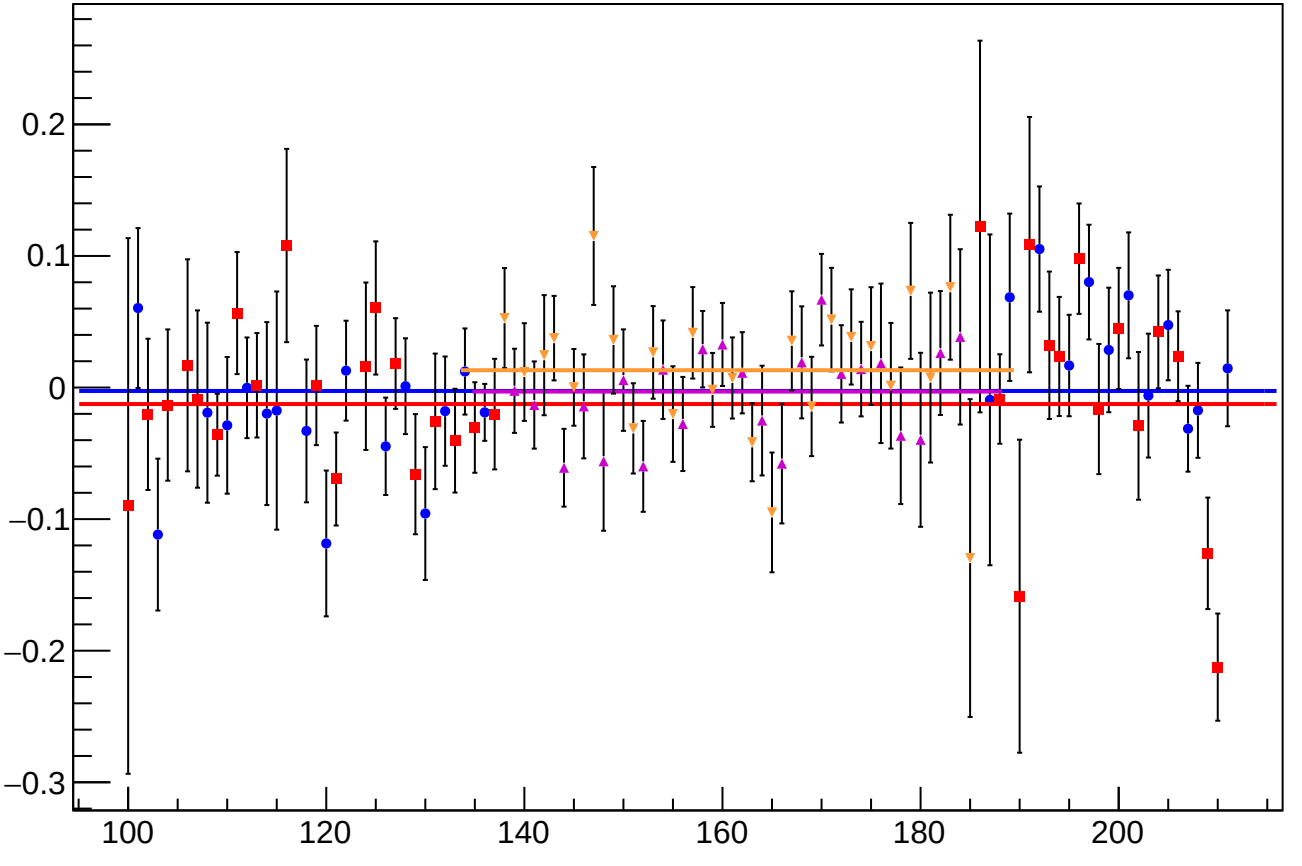
Right: 32.143+/-0.004 χ^2/NDF: 4955530.6/60

In: 32.369+/-0.004 χ^2/NDF:3710557.1/50

Out: 32.855+/-0.004 χ^2/NDF:3914874.7/57

All: 32.617+/-0.003 χ^2/NDF: 7632876.3/108

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 31.0/27

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.008 χ^2/NDF: 61.8/32

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

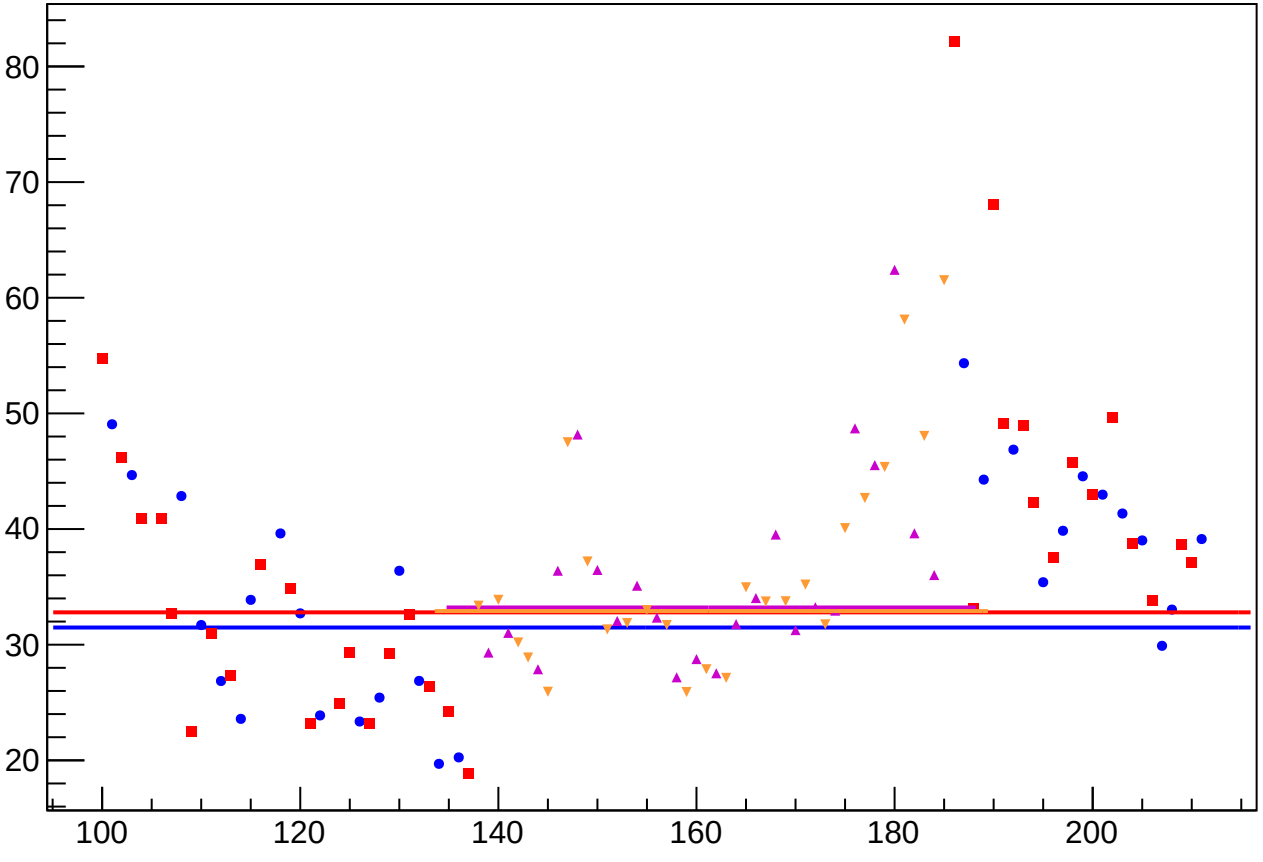
Right: -0.008+/-0.006 χ^2/NDF: 93.6/60

In: -0.003+/-0.006 χ^2/NDF:50.2/50

Out: 0.001+/-0.006 χ^2/NDF:92.5/57

All: -0.001+/-0.004 χ^2/NDF: 142.9/108

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.486+/-0.006 χ^2/NDF: 2442751.5/27

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.797+/-0.006 χ^2/NDF: 2486685.3/32

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

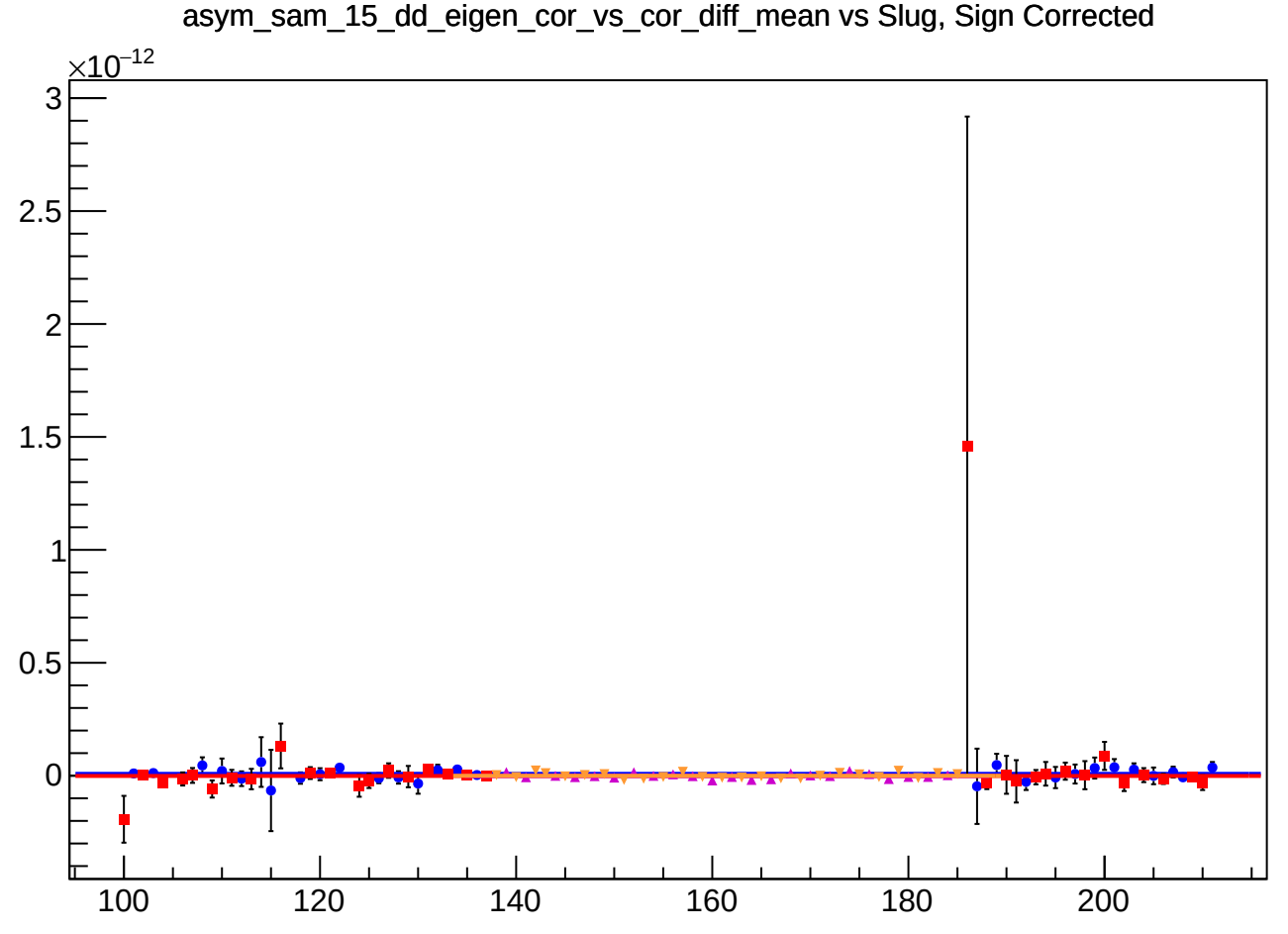
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 32.143+/-0.004 χ^2/NDF: 4955530.6/60

In: 32.369+/-0.004 χ^2/NDF:3710557.1/50

Out: 32.855+/-0.004 χ^2/NDF:3914874.7/57

All: 32.617+/-0.003 χ^2/NDF: 7632876.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/27

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/32

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

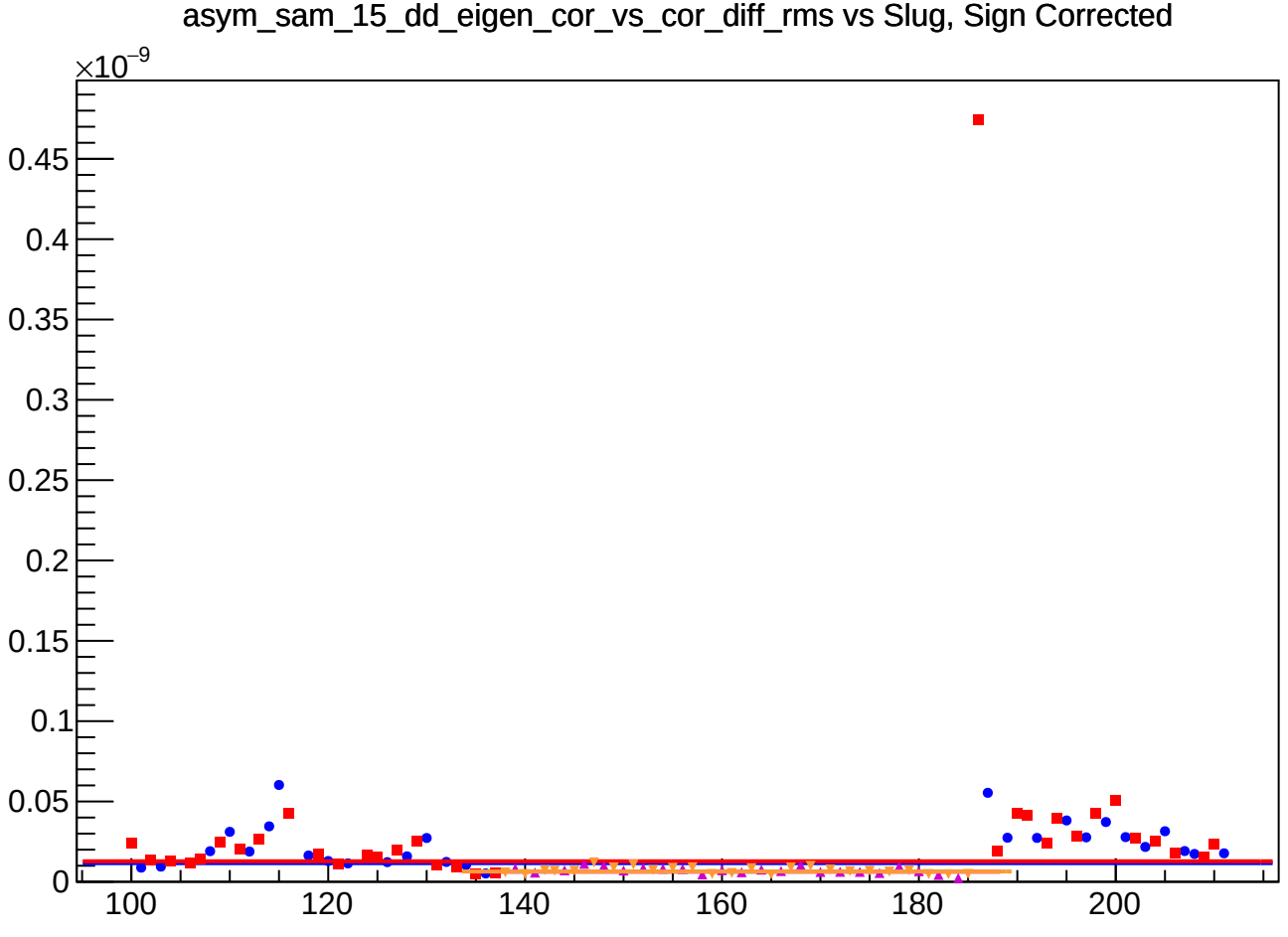
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 38.5/60

In: 0.000+/-0.000 χ^2/NDF:43.3/50

Out: -0.000+/-0.000 χ^2/NDF:53.6/57

All: 0.000+/-0.000 χ^2/NDF: 97.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 7056086.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7429151.4/32

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

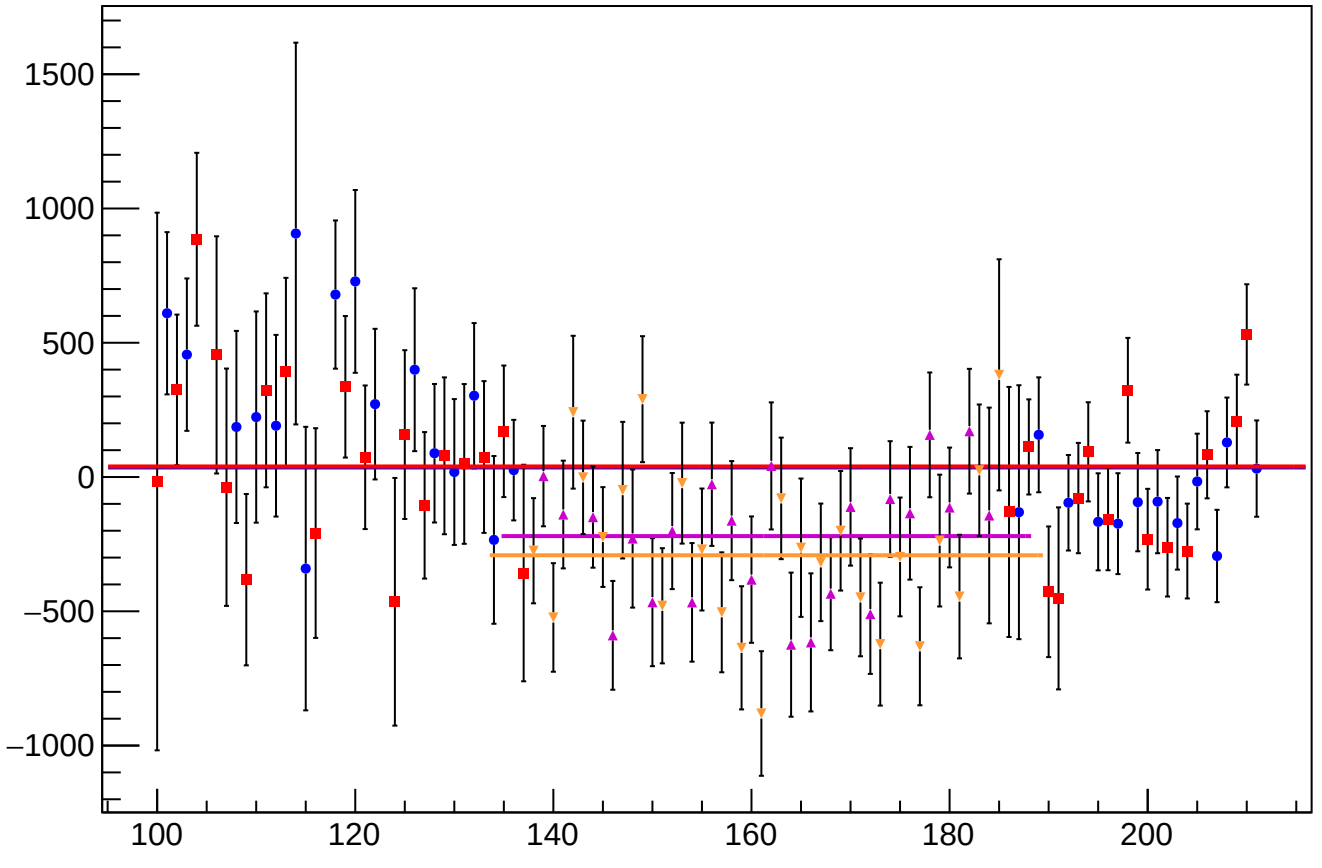
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14562113.3/60

In: 0.000+/-0.000 χ^2/NDF:11936089.4/50

Out: 0.000+/-0.000 χ^2/NDF:12959919.5/57

All: 0.000+/-0.000 χ^2/NDF: 24902409.0/108



Right In: 35.691+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 39.367+/-43.044 χ^2/NDF: 42.4/32

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

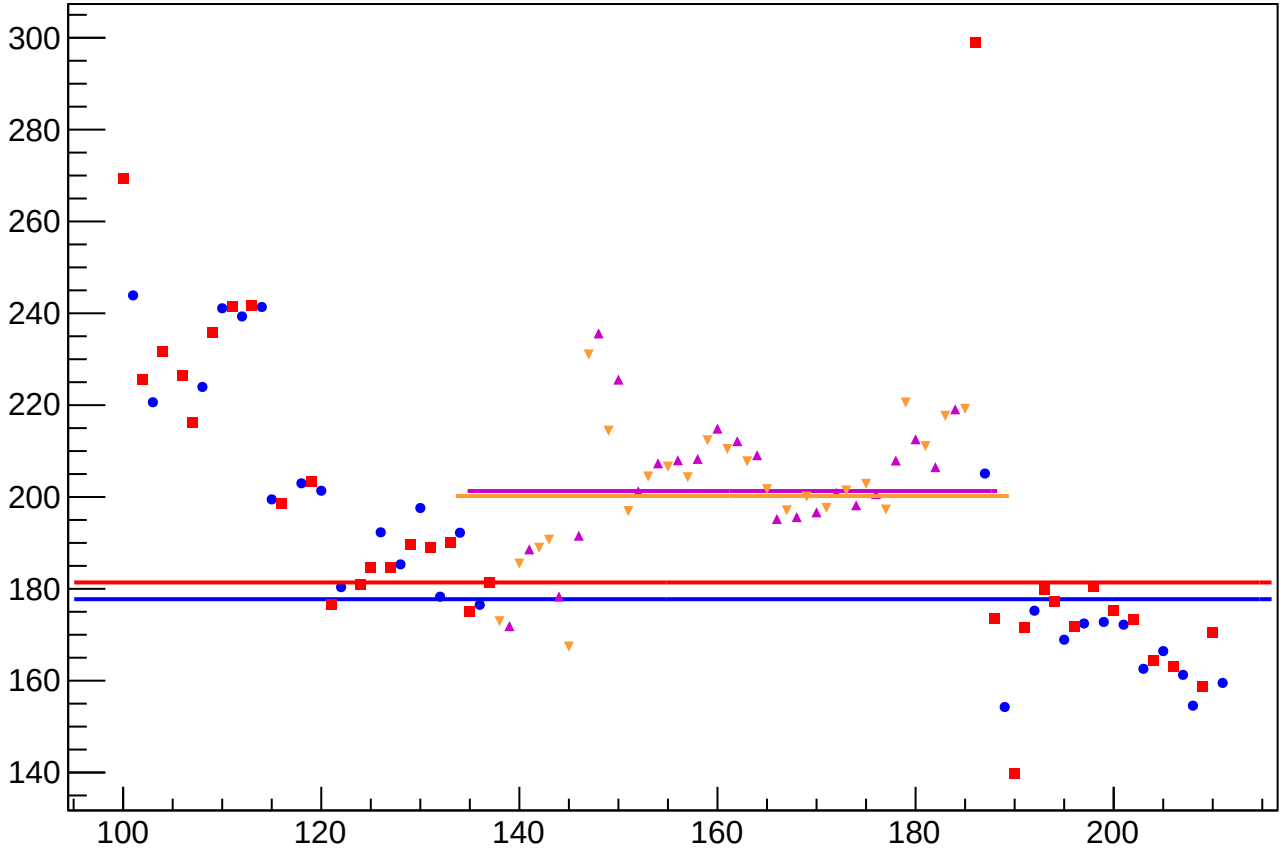
Right: 37.567+/-30.753 χ^2/NDF: 74.2/60

In: -83.194+/-32.149 χ^2/NDF:71.3/50

Out: -116.394+/-31.306 χ^2/NDF:106.5/57

All: -100.235+/-22.429 χ^2/NDF: 178.4/108

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 177.743+/-0.031 χ^2/NDF: 502004.8/27

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 181.391+/-0.030 χ^2/NDF: 634180.9/32

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

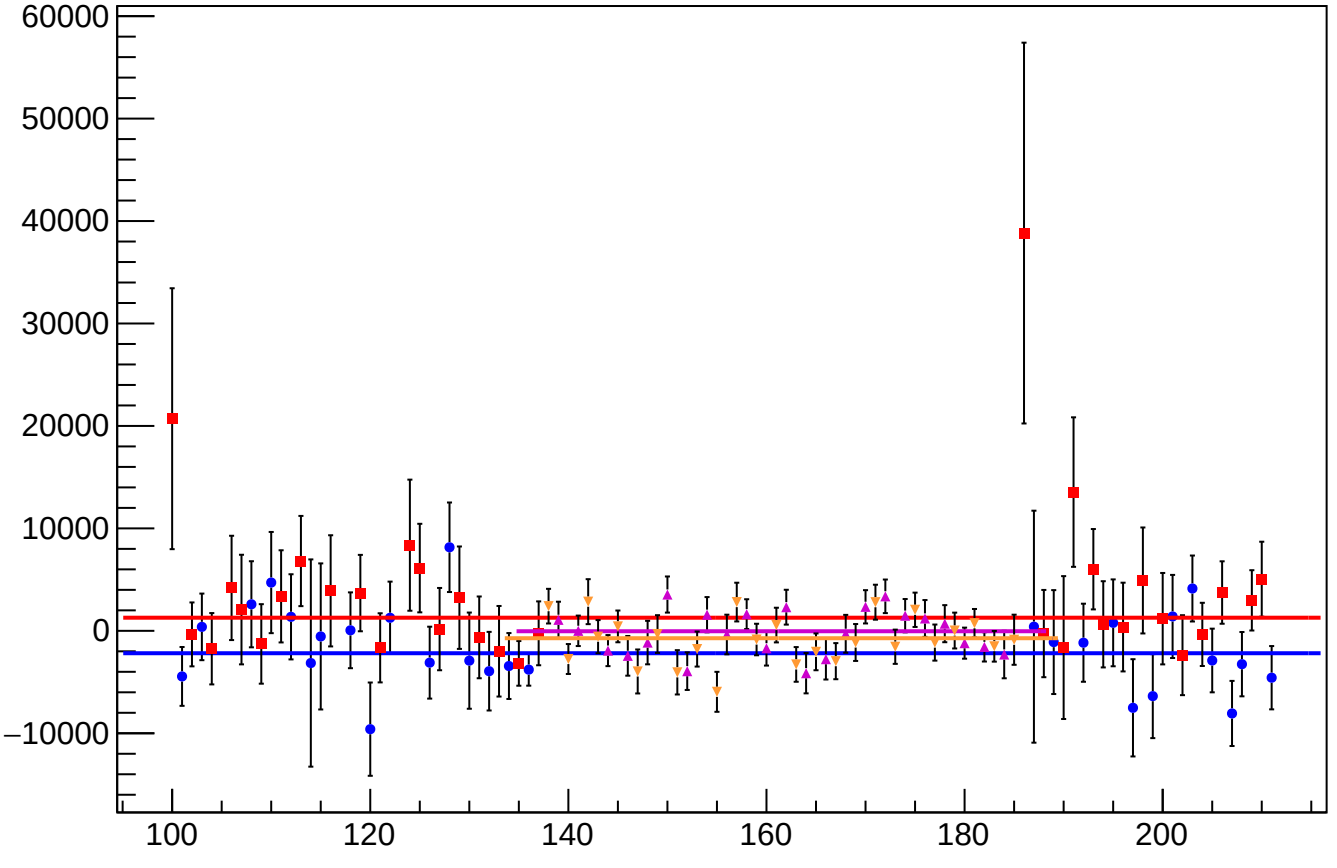
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.605+/-0.022 χ^2/NDF: 1143219.4/60

In: 188.696+/-0.023 χ^2/NDF:950737.2/50

Out: 190.255+/-0.022 χ^2/NDF:1018649.0/57

All: 189.496+/-0.016 χ^2/NDF: 1971802.3/108



Right In: -2186.167+/-674.777 χ^2/NDF: 28.2/27

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1281.740+/-696.419 χ^2/NDF: 27.7/32

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

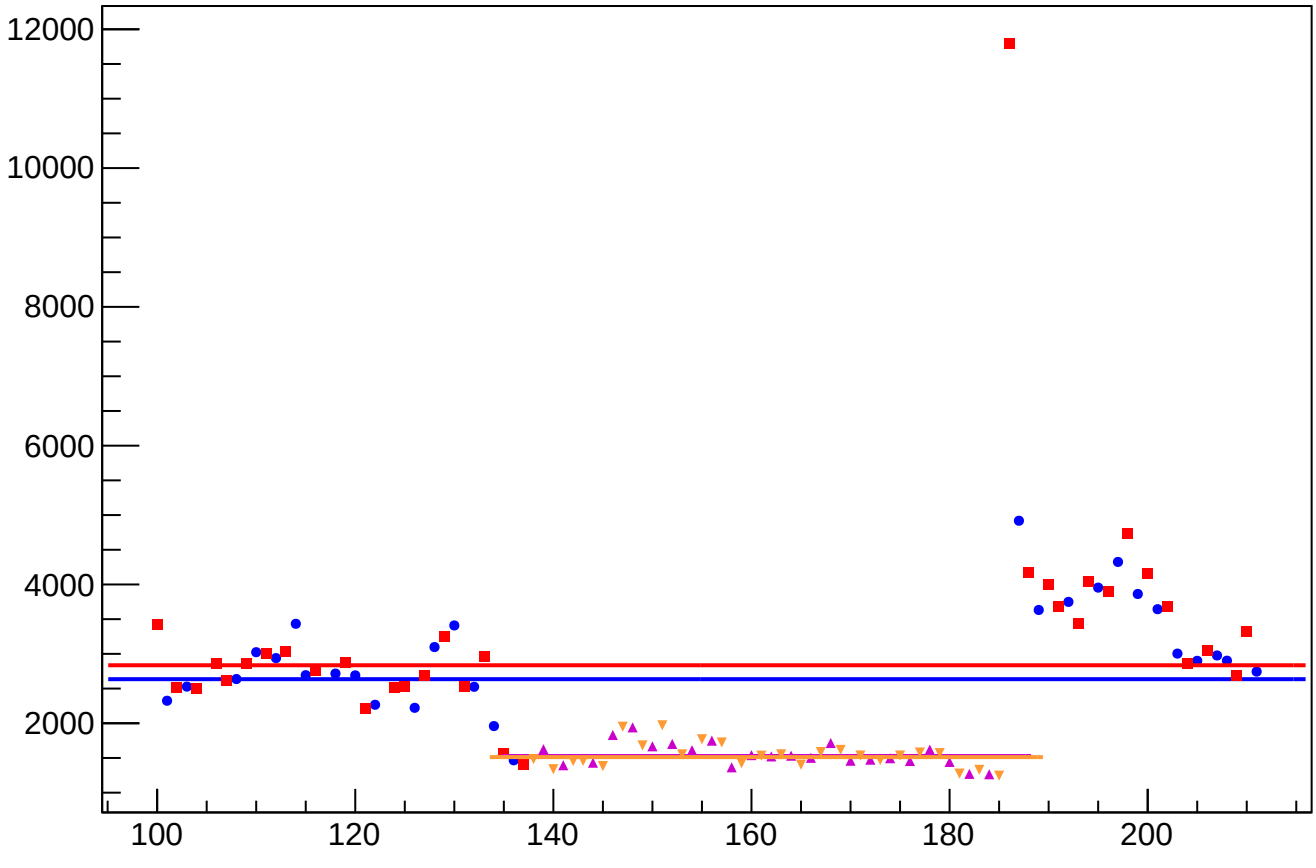
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -506.935+/-484.610 χ^2/NDF: 68.6/60

In: -513.446+/-317.119 χ^2/NDF:70.5/50

Out: -323.584+/-310.134 χ^2/NDF:72.6/57

All: -416.401+/-221.726 χ^2/NDF: 143.2/108



Right In: 2635.326+/-0.477 χ^2/NDF: 2556552.8/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2835.721+/-0.492 χ^2/NDF: 2941572.6/32

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

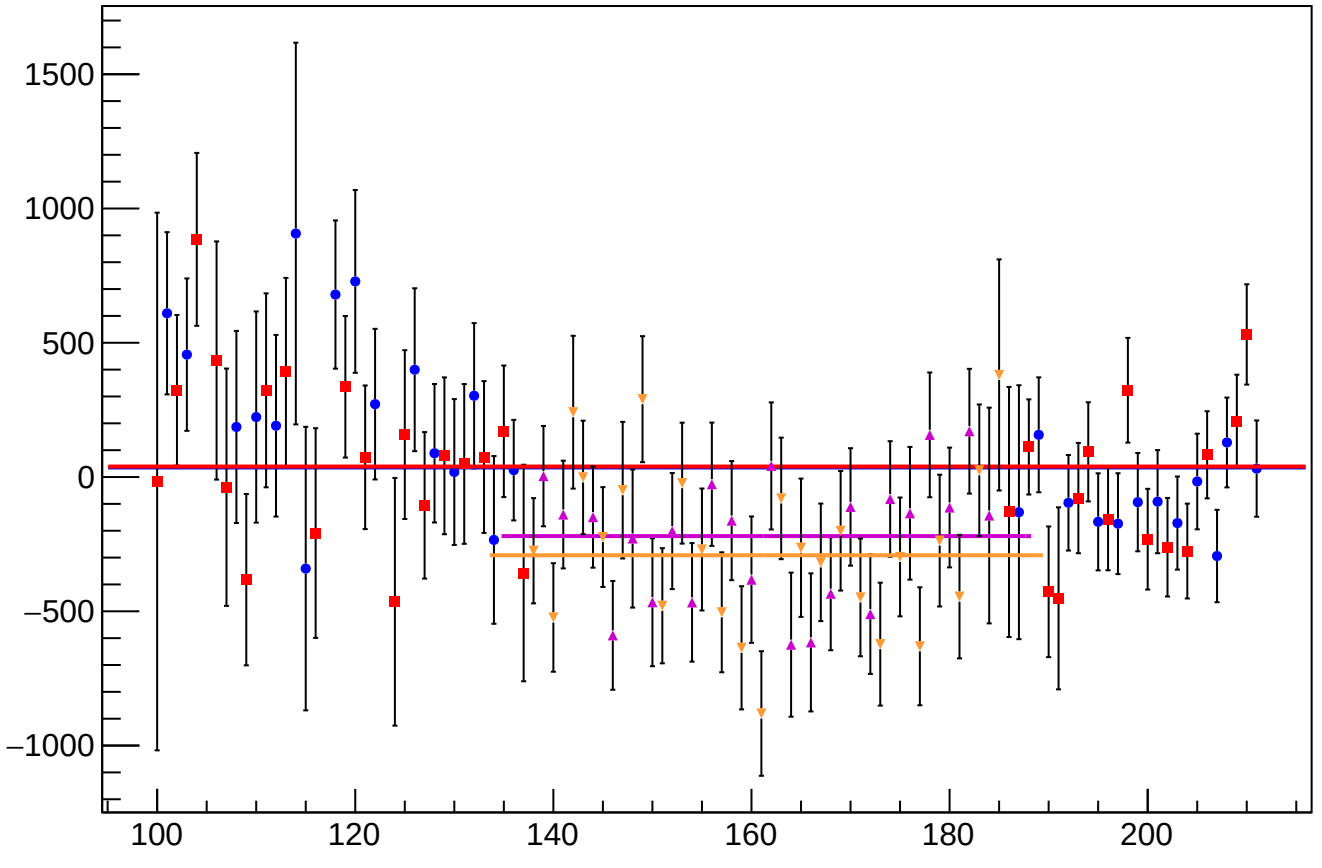
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2732.362+/-0.343 χ^2/NDF: 5583538.6/60

In: 1772.540+/-0.224 χ^2/NDF:7127049.3/50

Out: 1774.807+/-0.219 χ^2/NDF:9173697.9/57

All: 1773.699+/-0.157 χ^2/NDF: 16300799.5/1



Right In: 35.682+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 39.092+/-43.045 χ^2/NDF: 42.3/32

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

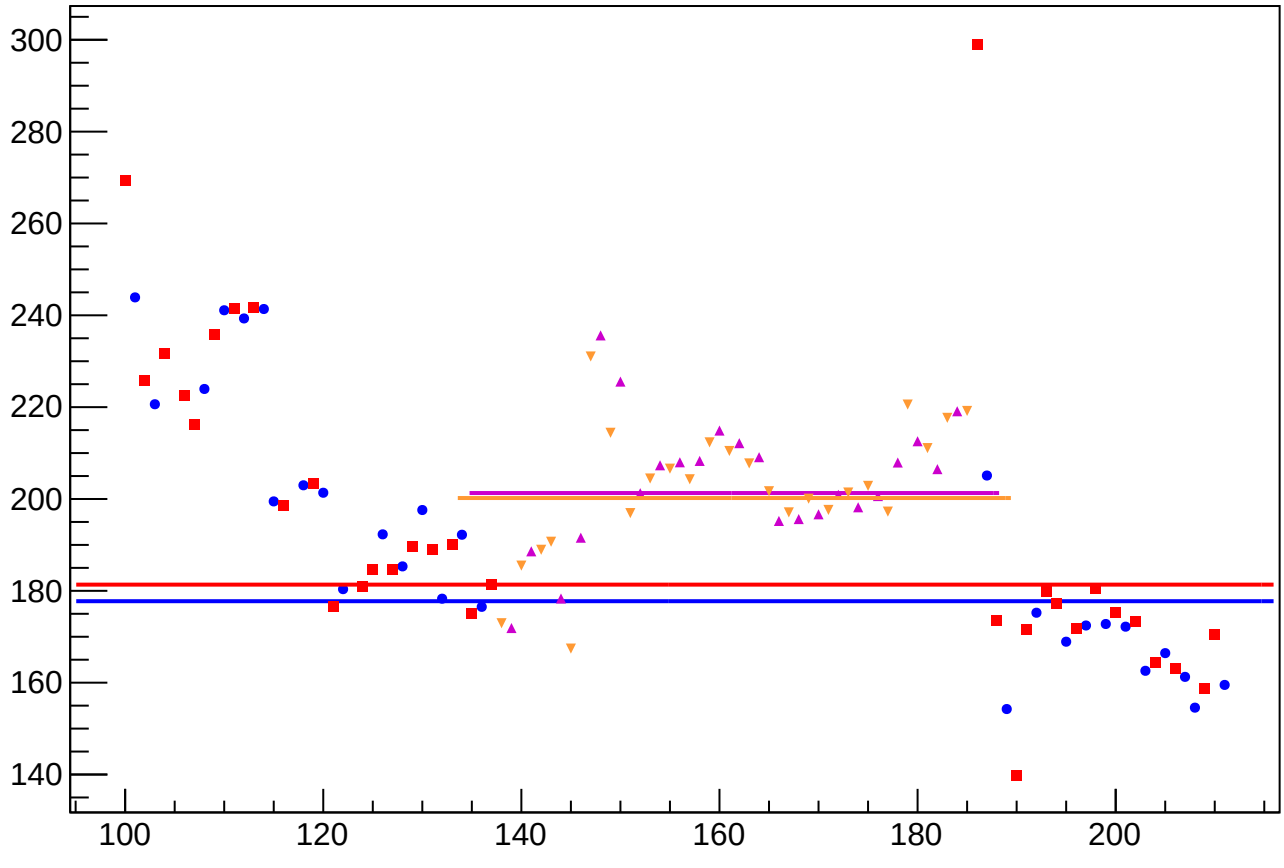
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 37.423+/-30.754 χ^2/NDF: 74.1/60

In: -83.203+/-32.149 χ^2/NDF:71.3/50

Out: -116.548+/-31.306 χ^2/NDF:106.4/57

All: -100.318+/-22.429 χ^2/NDF: 178.3/108



Right In: 177.743+/-0.031 χ^2/NDF: 502005.3/27

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.351+/-0.030 χ^2/NDF: 630678.7/32

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

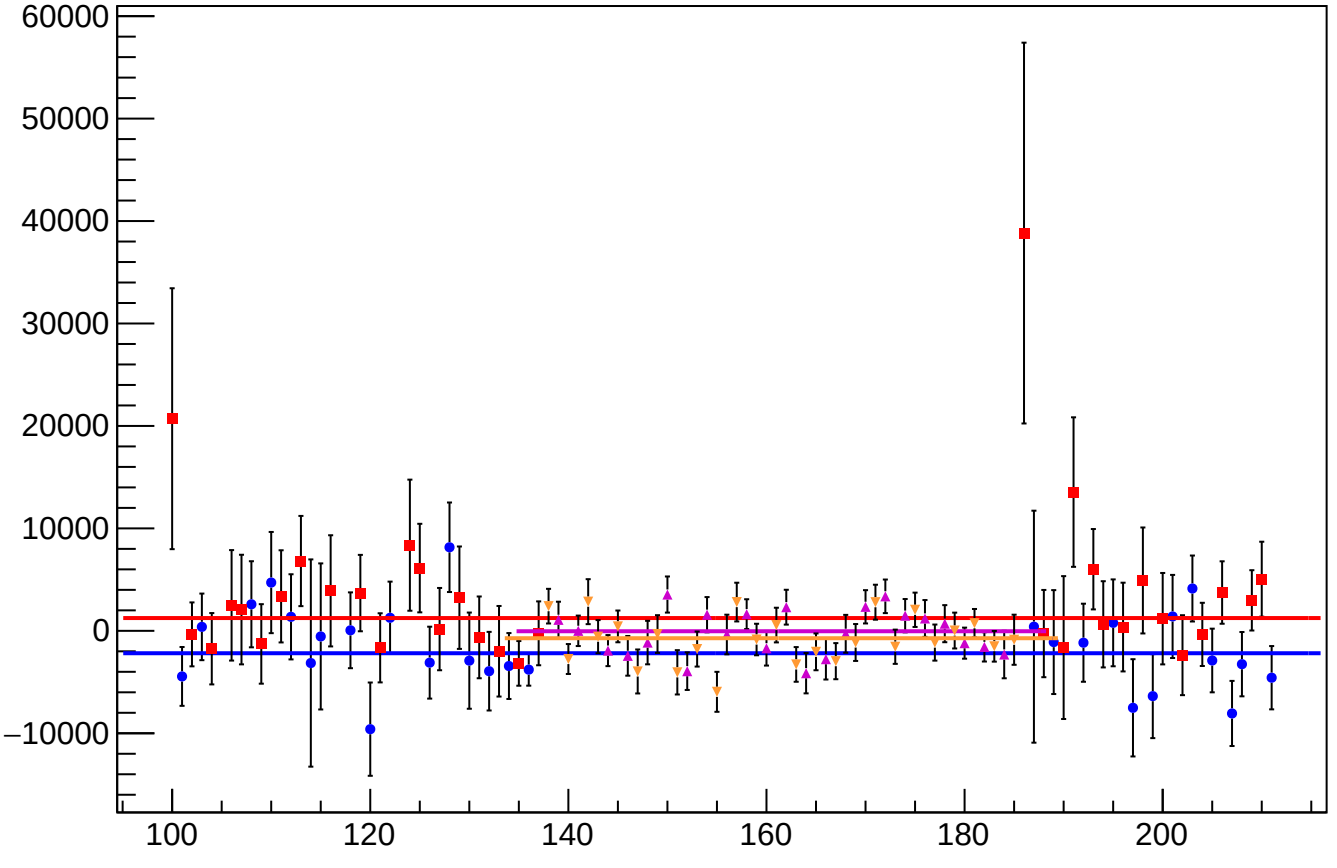
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.585+/-0.022 χ^2/NDF: 1139565.4/60

In: 188.696+/-0.023 χ^2/NDF:950737.7/50

Out: 190.235+/-0.022 χ^2/NDF:1015898.2/57

All: 189.486+/-0.016 χ^2/NDF: 1968988.7/108



Right In: -2186.152+/-674.778 χ^2/NDF: 28.2/27

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1247.578+/-697.141 χ^2/NDF: 27.4/32

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

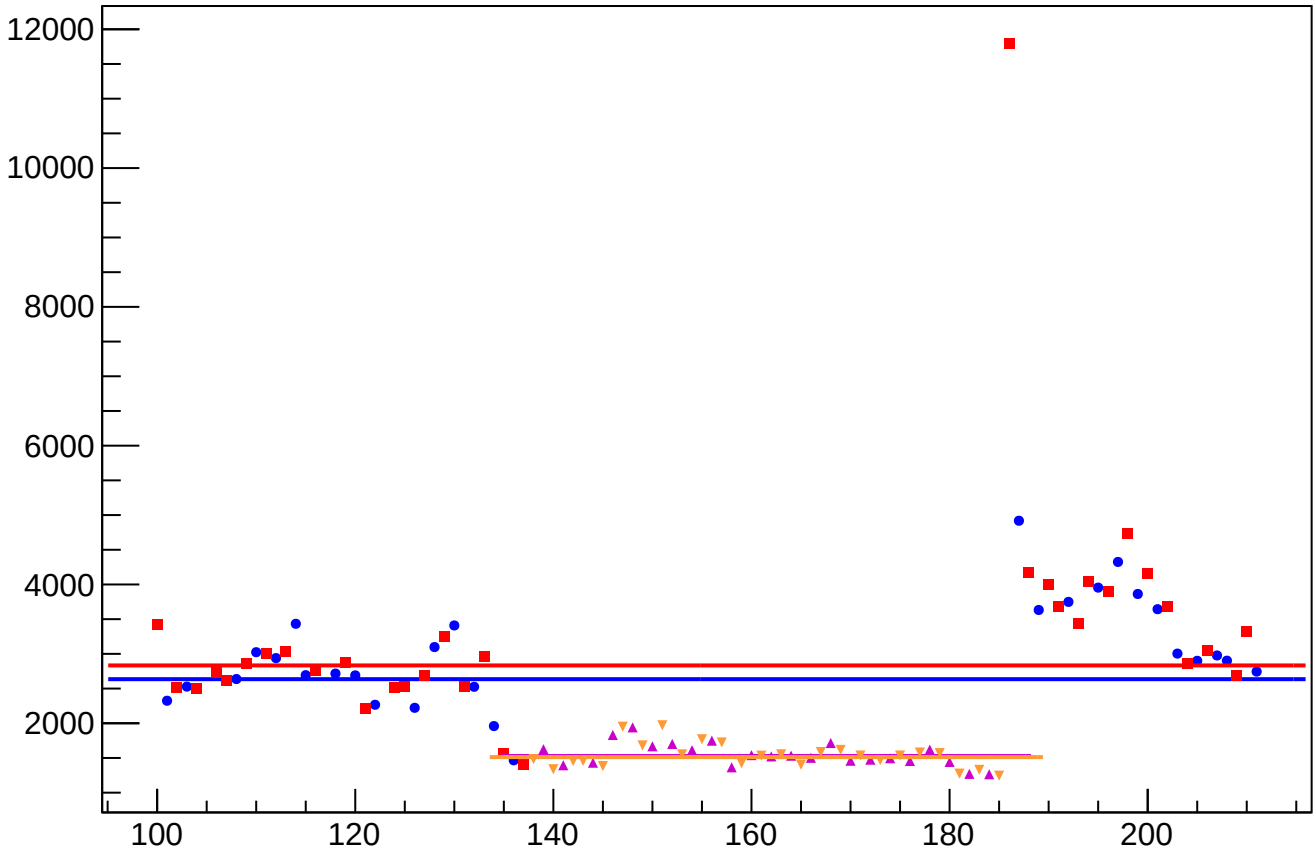
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -525.245+/-484.853 χ^2/NDF: 68.1/60

In: -513.440+/-317.119 χ^2/NDF:70.5/50

Out: -331.011+/-310.198 χ^2/NDF:72.1/57

All: -420.213+/-221.749 χ^2/NDF: 142.7/108



Right In: 2635.330+/-0.477 χ^2/NDF: 2556547.3/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2833.438+/-0.493 χ^2/NDF: 2942094.7/32

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

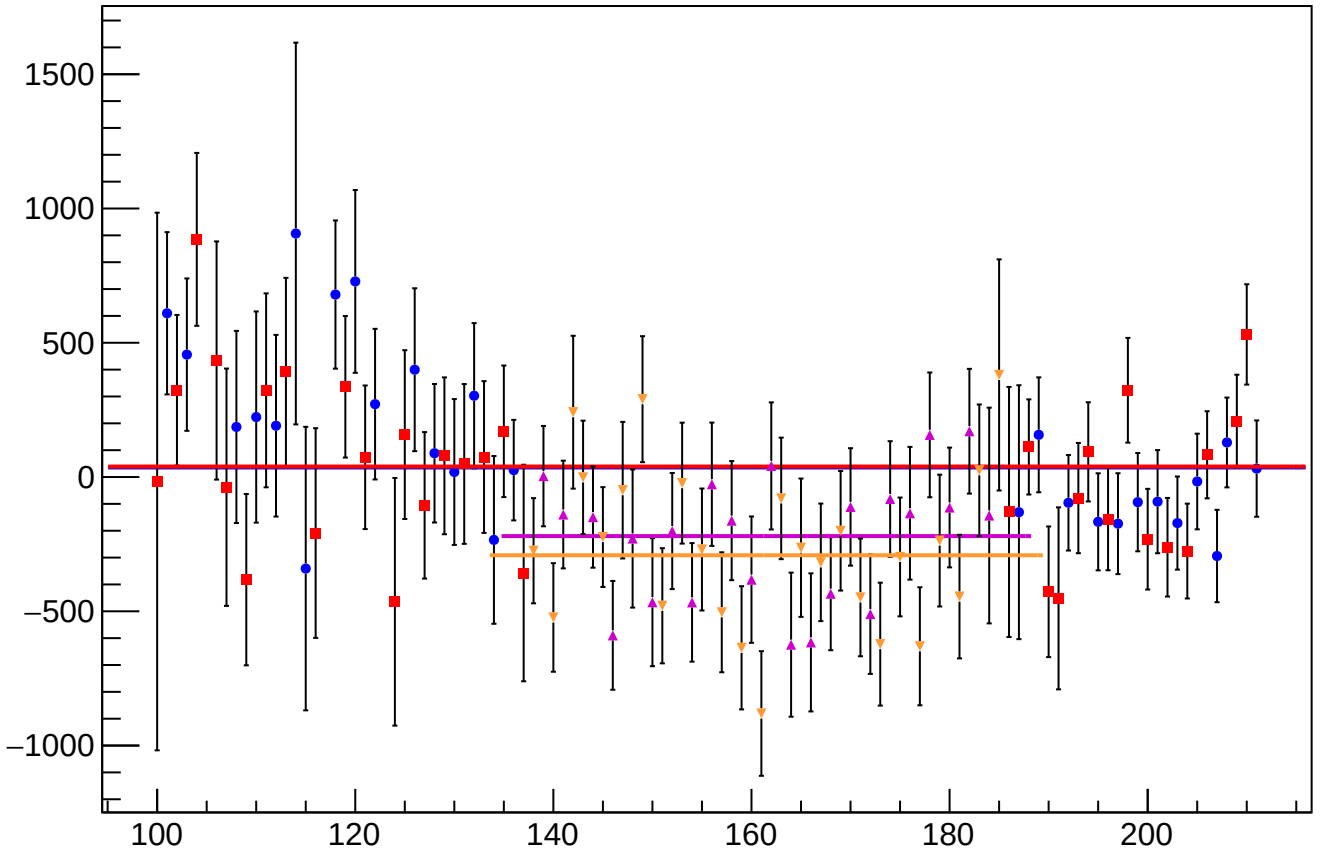
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2731.156+/-0.343 χ^2/NDF: 5582028.2/60

In: 1772.540+/-0.224 χ^2/NDF:7127059.9/50

Out: 1773.920+/-0.219 χ^2/NDF:9144681.4/57

All: 1773.245+/-0.157 χ^2/NDF: 16271760.7/1



Right In: 35.682+/-43.953 χ^2/NDF: 31.9/27

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 39.092+/-43.045 χ^2/NDF: 42.3/32

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

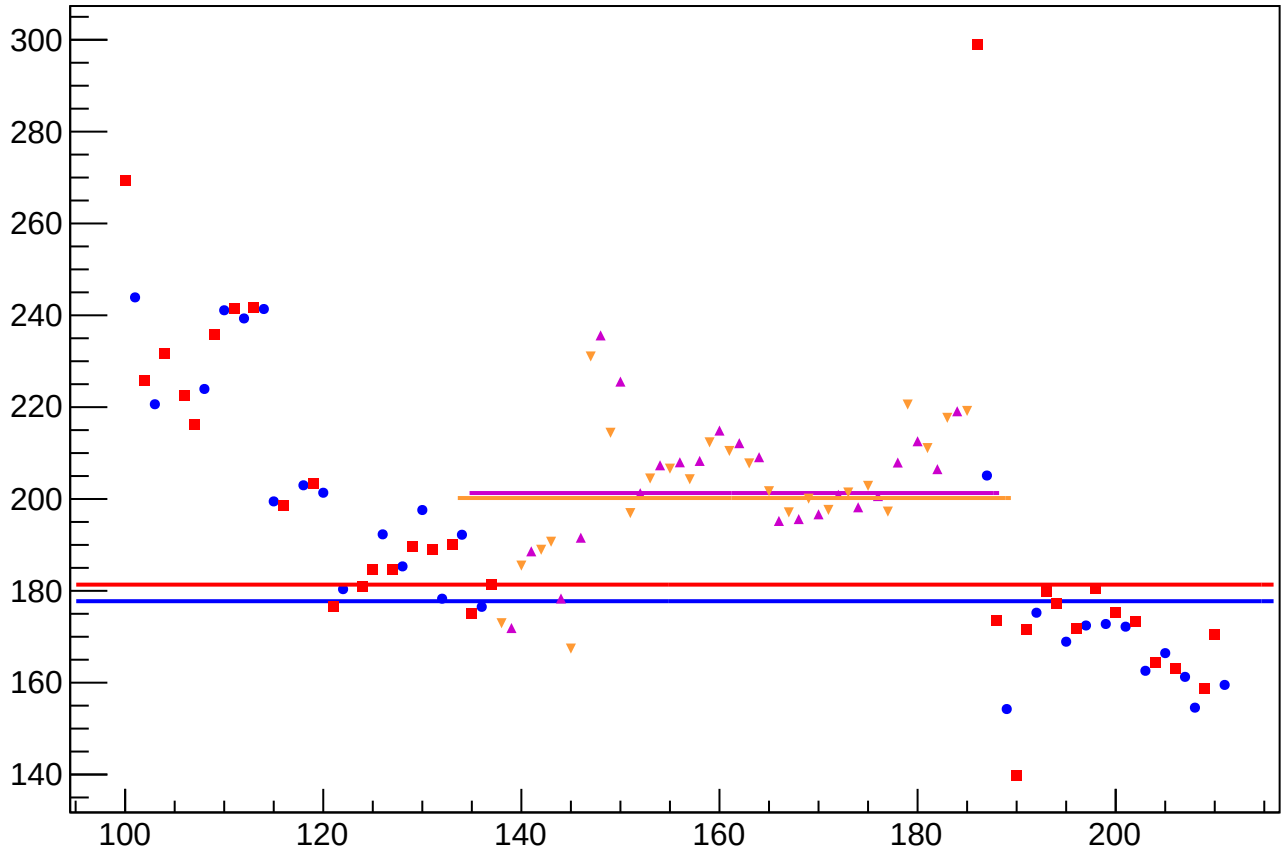
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 37.423+/-30.754 χ^2/NDF: 74.1/60

In: -83.203+/-32.149 χ^2/NDF:71.3/50

Out: -116.548+/-31.306 χ^2/NDF:106.4/57

All: -100.318+/-22.429 χ^2/NDF: 178.3/108



Right In: 177.743+/-0.031 χ^2/NDF: 502005.3/27

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.351+/-0.030 χ^2/NDF: 630678.7/32

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

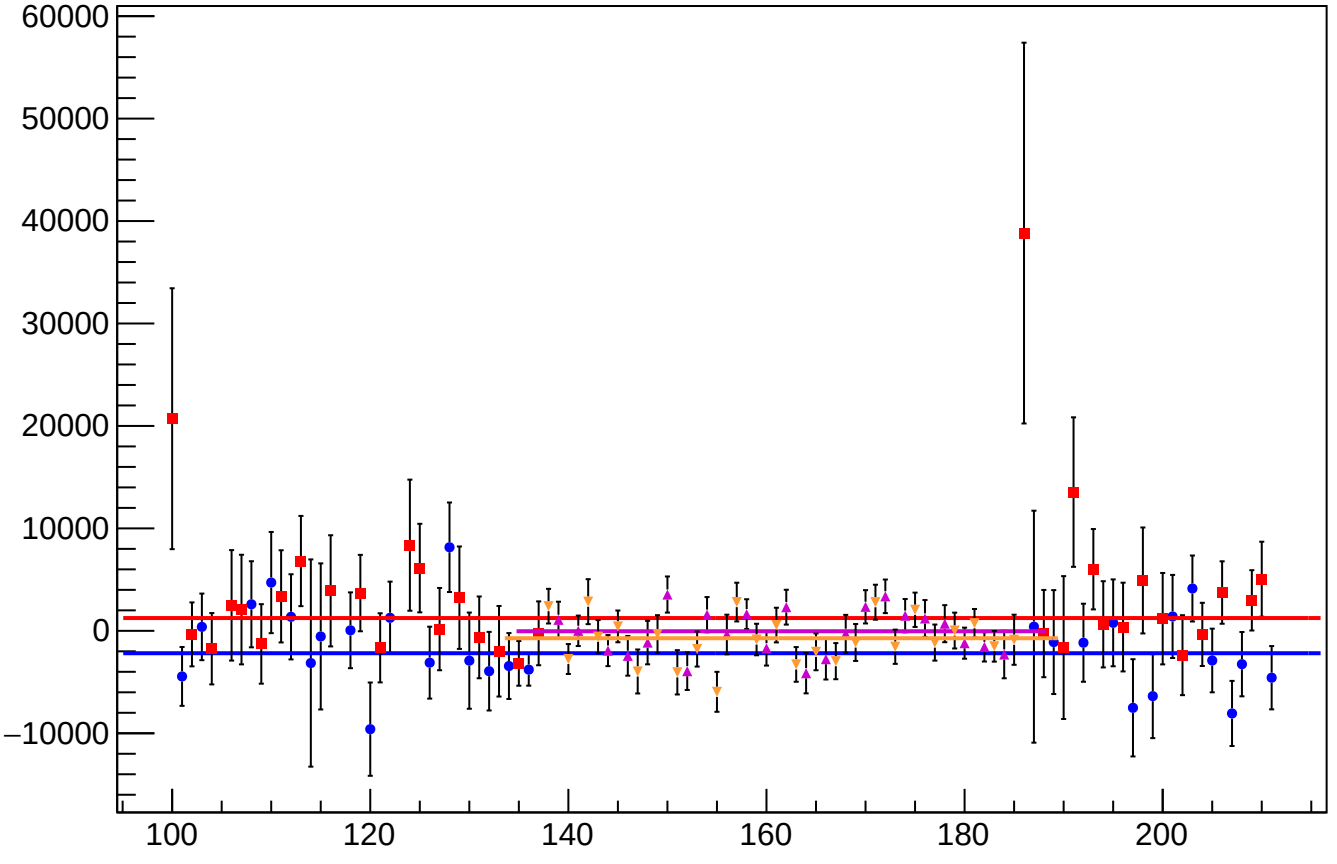
Right: 179.585+/-0.022 χ^2/NDF: 1139565.4/60

In: 188.696+/-0.023 χ^2/NDF:950737.7/50

Out: 190.235+/-0.022 χ^2/NDF:1015898.2/57

All: 189.486+/-0.016 χ^2/NDF: 1968988.7/108

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2186.152+/-674.778 χ^2/NDF: 28.2/27

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1247.578+/-697.141 χ^2/NDF: 27.4/32

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

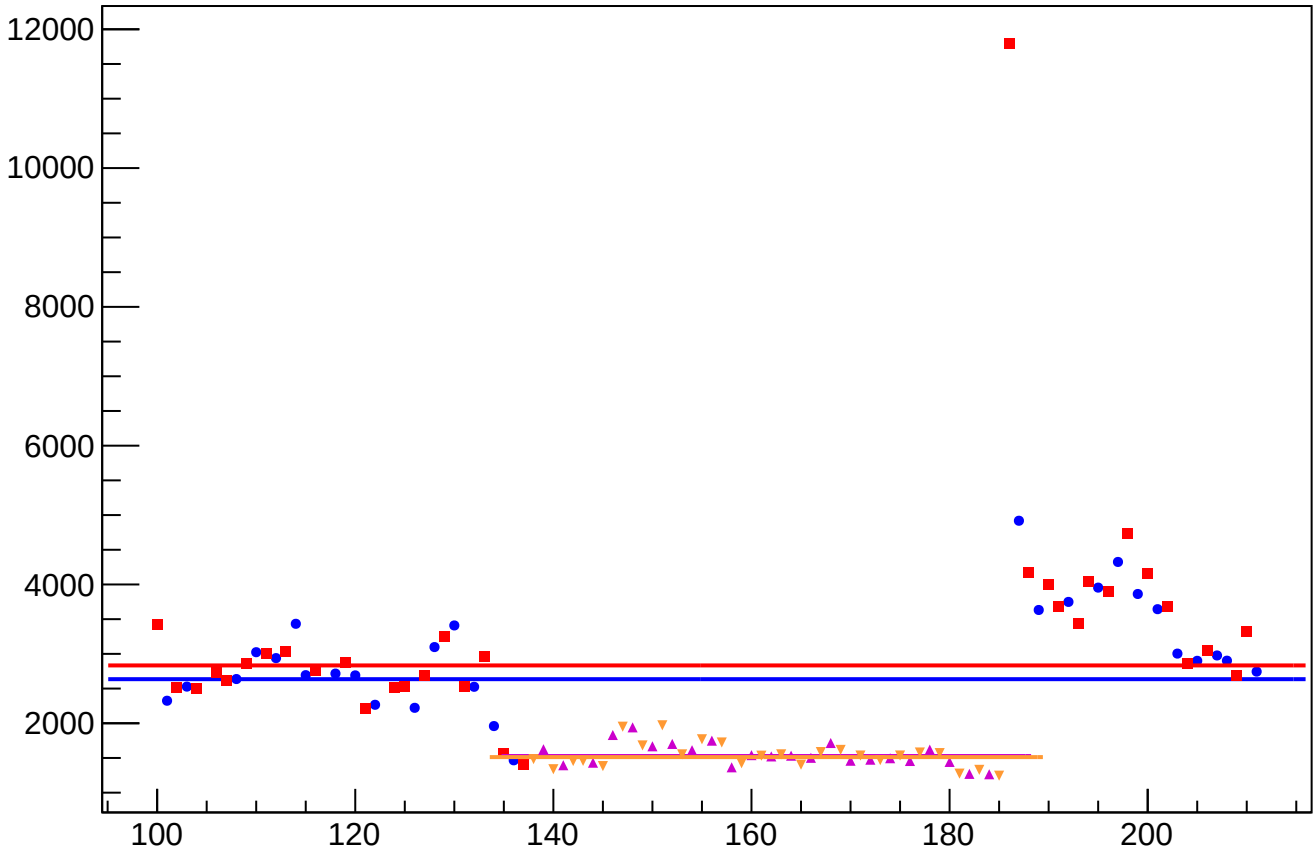
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -525.245+/-484.853 χ^2/NDF: 68.1/60

In: -513.440+/-317.119 χ^2/NDF:70.5/50

Out: -331.011+/-310.198 χ^2/NDF:72.1/57

All: -420.213+/-221.749 χ^2/NDF: 142.7/108



Right In: 2635.330+/-0.477 χ^2/NDF: 2556547.3/27

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2833.438+/-0.493 χ^2/NDF: 2942094.7/32

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

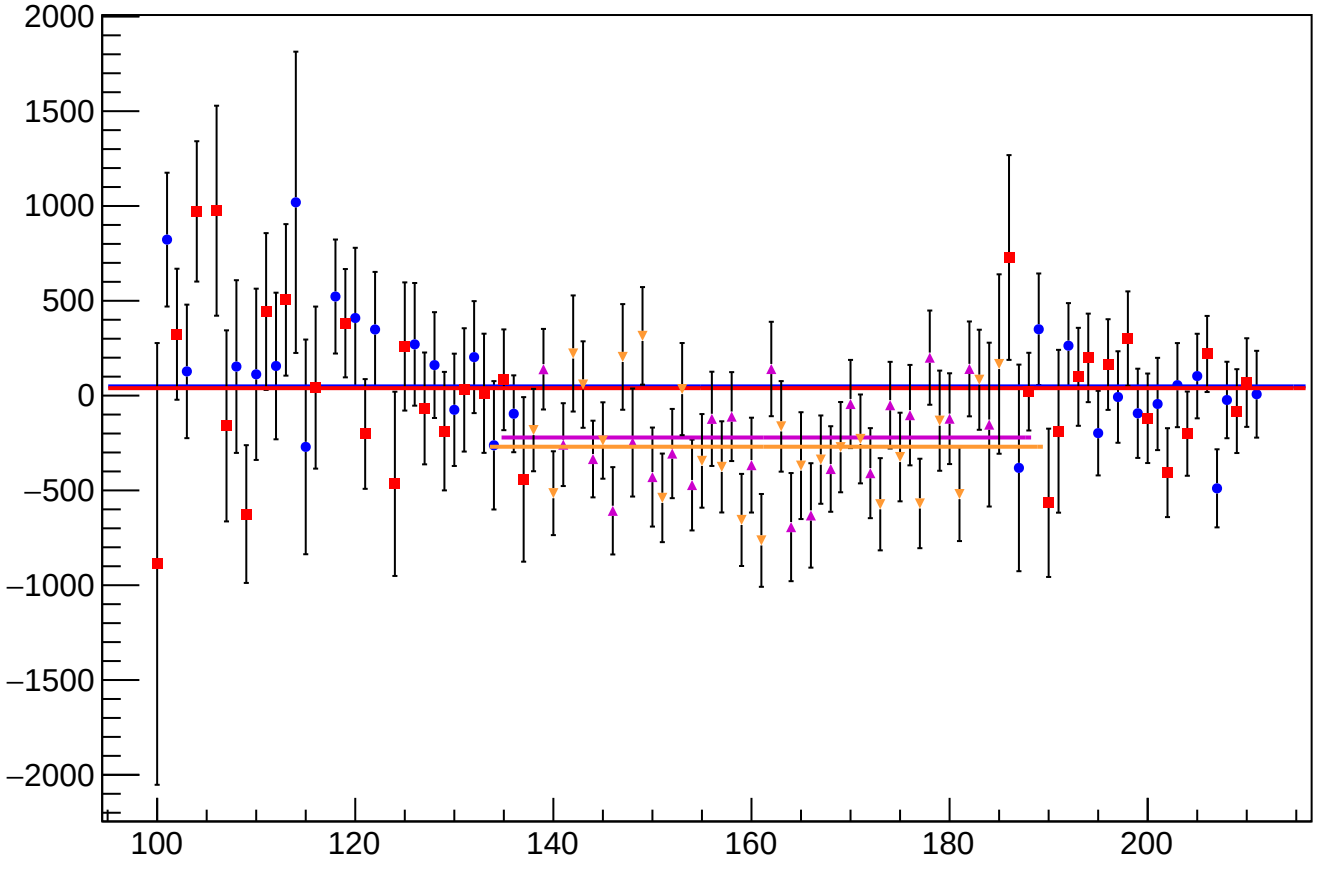
Right: 2731.156+/-0.343 χ^2/NDF: 5582028.2/60

In: 1772.540+/-0.224 χ^2/NDF:7127059.9/50

Out: 1773.920+/-0.219 χ^2/NDF:9144681.4/57

All: 1773.245+/-0.157 χ^2/NDF: 16271760.7/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 48.568+/-52.747 χ^2/NDF: 25.1/27

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 39.165+/-51.783 χ^2/NDF: 34.4/32

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

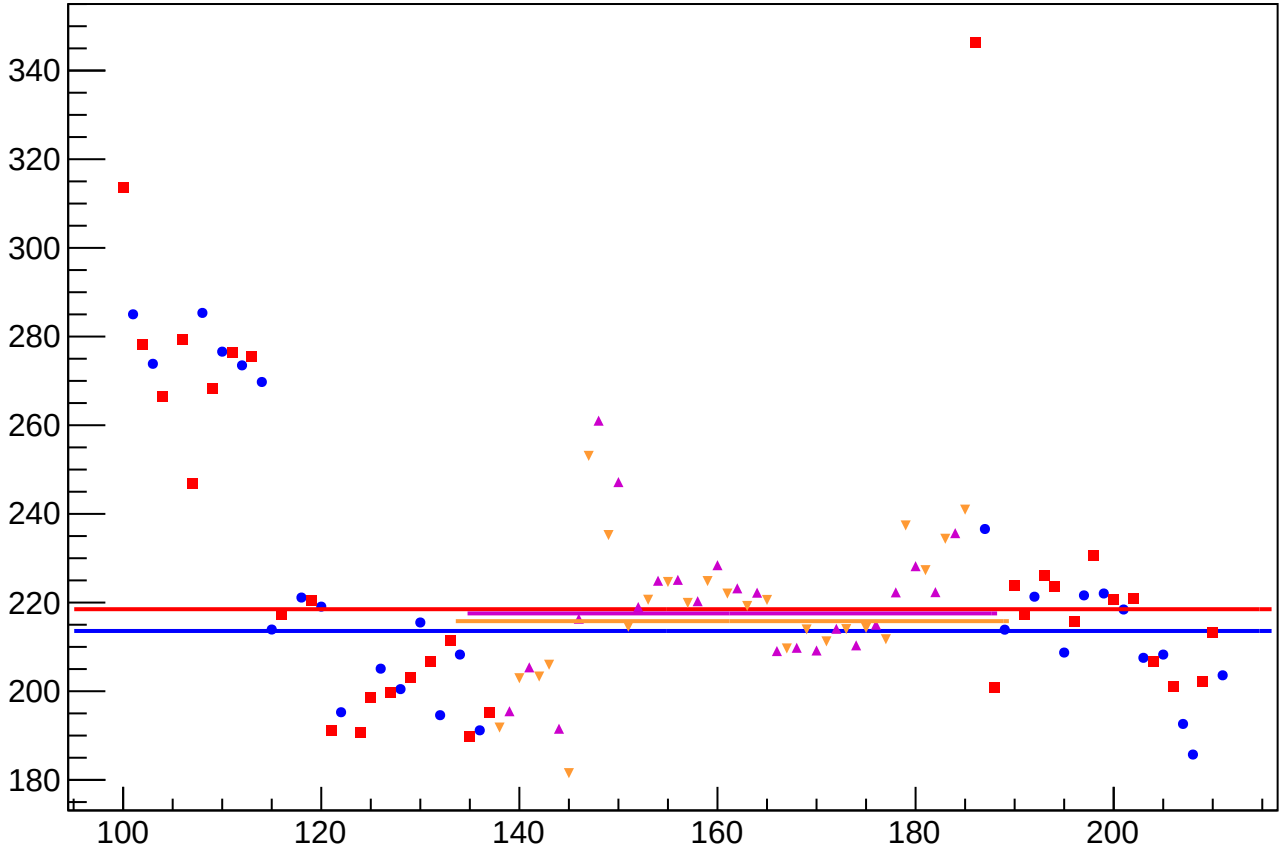
Right: 43.780+/-36.952 χ^2/NDF: 59.5/60

In: -90.834+/-36.648 χ^2/NDF:61.9/50

Out: -123.284+/-35.652 χ^2/NDF:84.6/57

All: -107.506+/-25.555 χ^2/NDF: 147.0/108

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 213.592+/-0.037 χ^2/NDF: 413067.2/27

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 218.503+/-0.037 χ^2/NDF: 500172.1/32

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

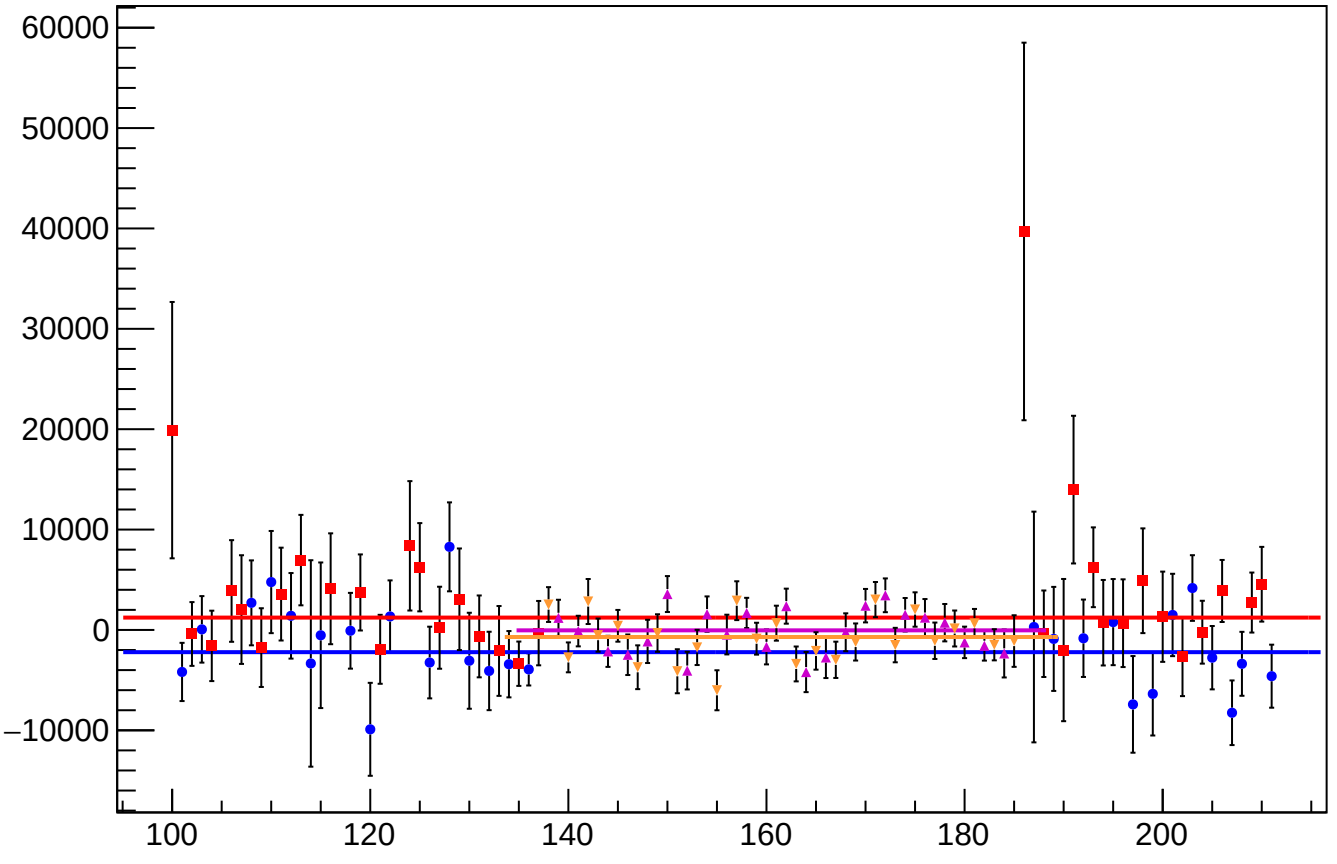
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 216.093+/-0.026 χ^2/NDF: 922068.2/60

In: 215.642+/-0.026 χ^2/NDF:579972.6/50

Out: 217.085+/-0.025 χ^2/NDF:691724.2/57

All: 216.383+/-0.018 χ^2/NDF: 1273289.7/108



Right In: -2213.189+/-686.991 χ^2/NDF: 28.0/27

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1231.160+/-706.667 χ^2/NDF: 28.0/32

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

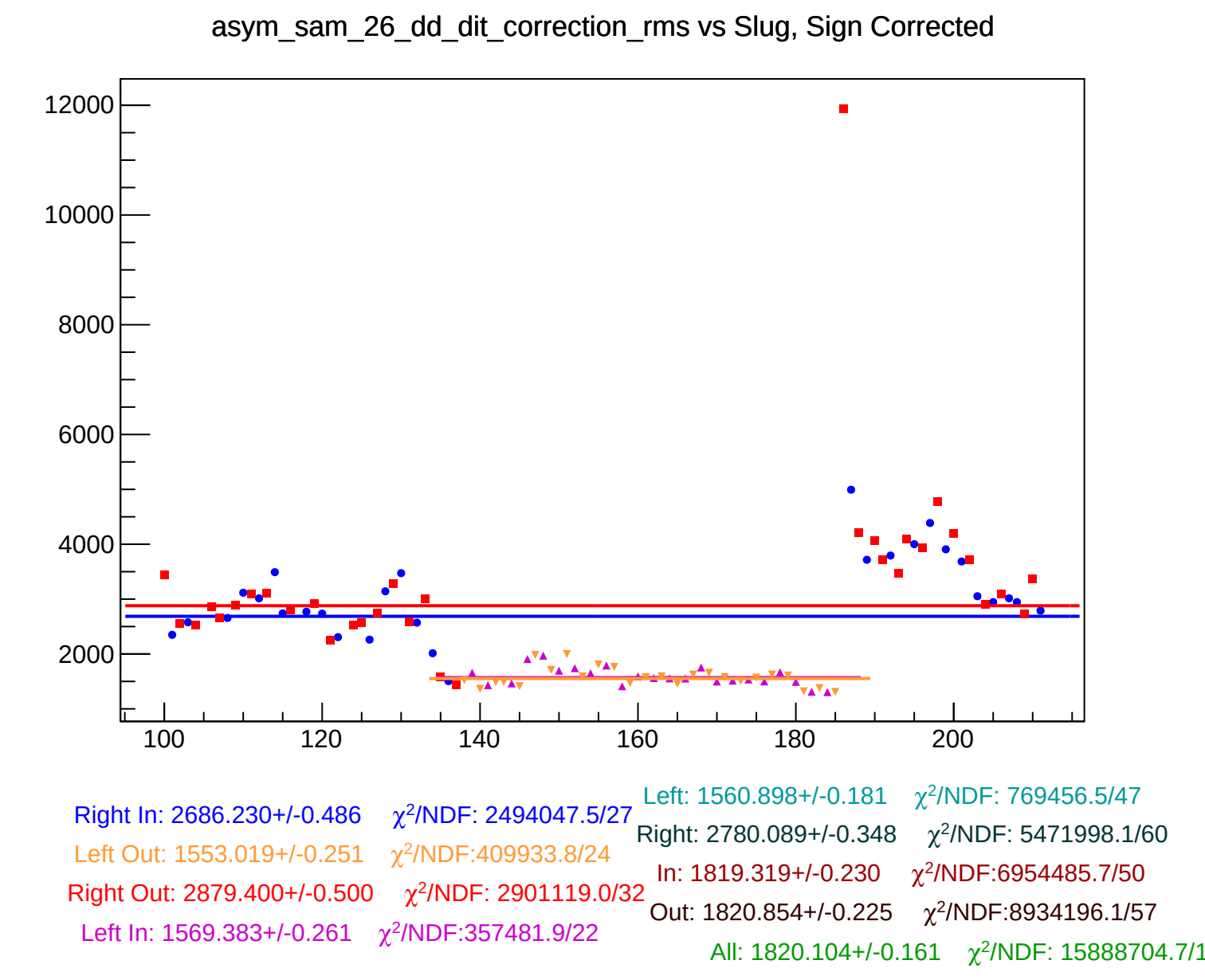
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

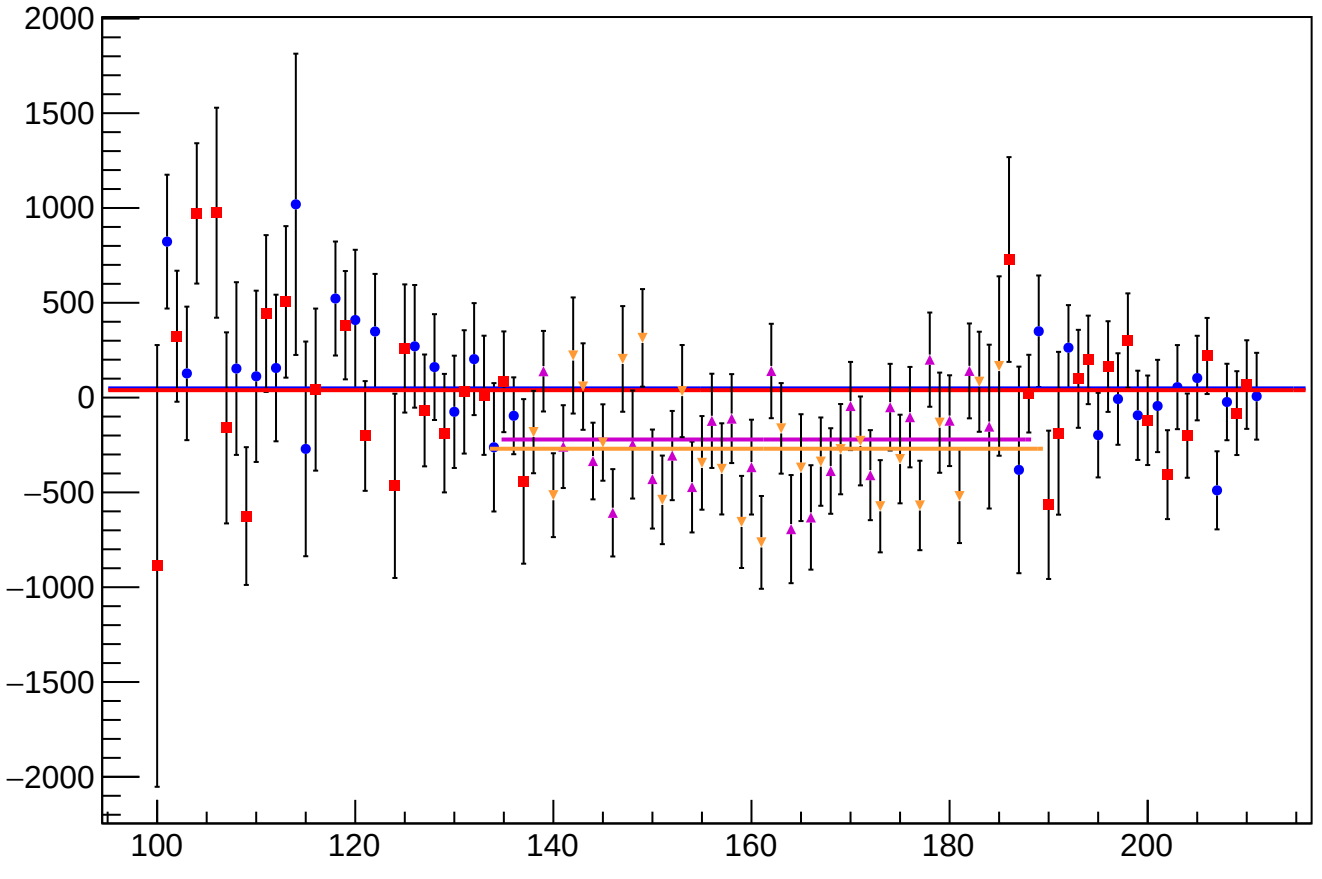
Right: -539.632+/-492.585 χ^2/NDF: 68.3/60

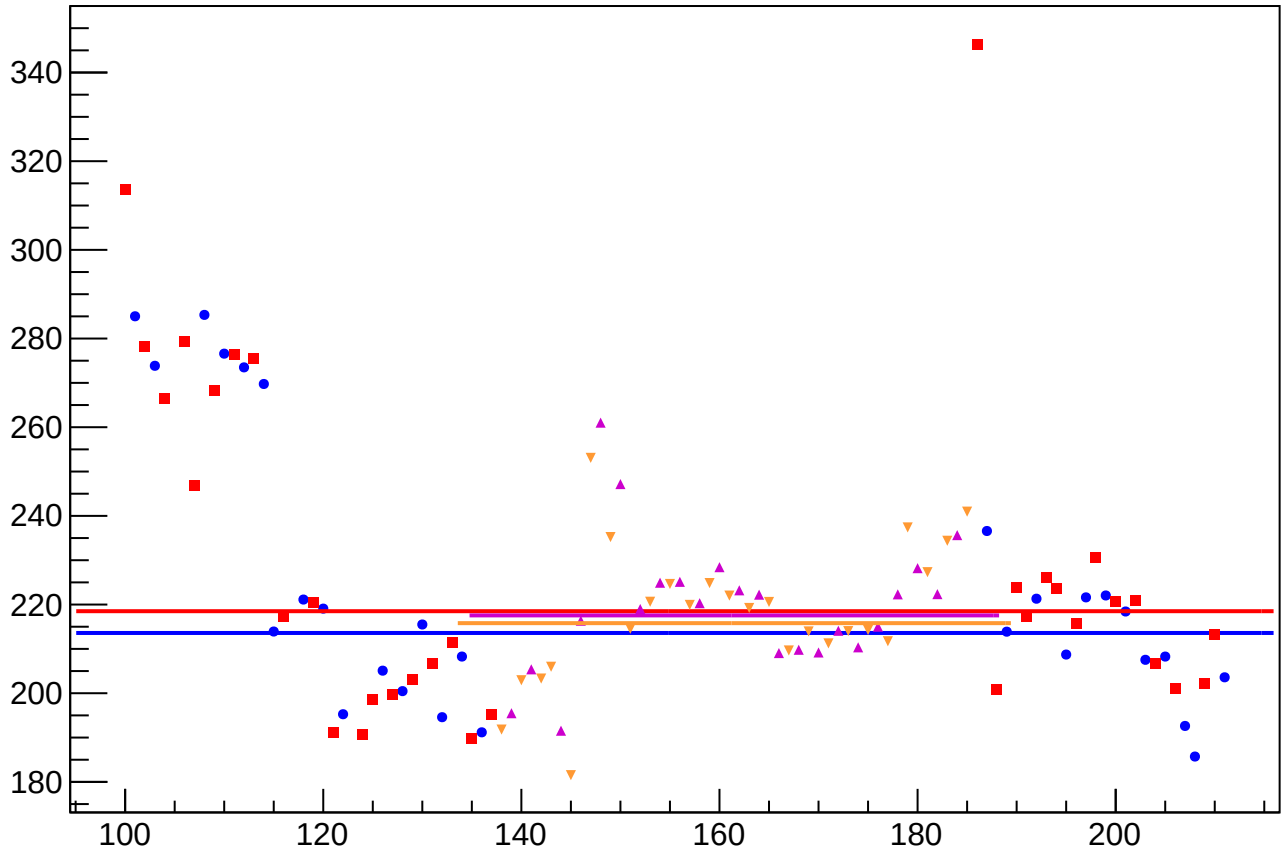
In: -526.065+/-324.988 χ^2/NDF:70.1/50

Out: -313.245+/-317.551 χ^2/NDF:71.6/57

All: -417.192+/-227.126 χ^2/NDF: 142.0/108


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2686.230+/-0.486 χ²/NDF: 2494047.5/27
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2879.400+/-0.500 χ²/NDF: 2901119.0/32
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2780.089+/-0.348 χ²/NDF: 5471998.1/60
In: 1819.319+/-0.230 χ²/NDF:6954485.7/50
Out: 1820.854+/-0.225 χ²/NDF:8934196.1/57
All: 1820.104+/-0.161 χ²/NDF: 15888704.7/1


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 48.571+/-52.747 χ²/NDF: 25.1/27
Left Out: -269.680+/-49.158 χ²/NDF:31.5/24
Right Out: 39.165+/-51.783 χ²/NDF: 34.4/32
Left In: -220.927+/-50.956 χ²/NDF:23.4/22
Left: -246.179+/-35.378 χ²/NDF: 55.3/47
Right: 43.781+/-36.952 χ²/NDF: 59.5/60
In: -90.832+/-36.648 χ²/NDF:61.9/50
Out: -123.285+/-35.652 χ²/NDF:84.6/57
All: -107.506+/-25.554 χ²/NDF: 147.0/108



Right In: 213.592+/-0.037 χ^2/NDF: 413056.9/27

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 218.503+/-0.037 χ^2/NDF: 500154.3/32

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

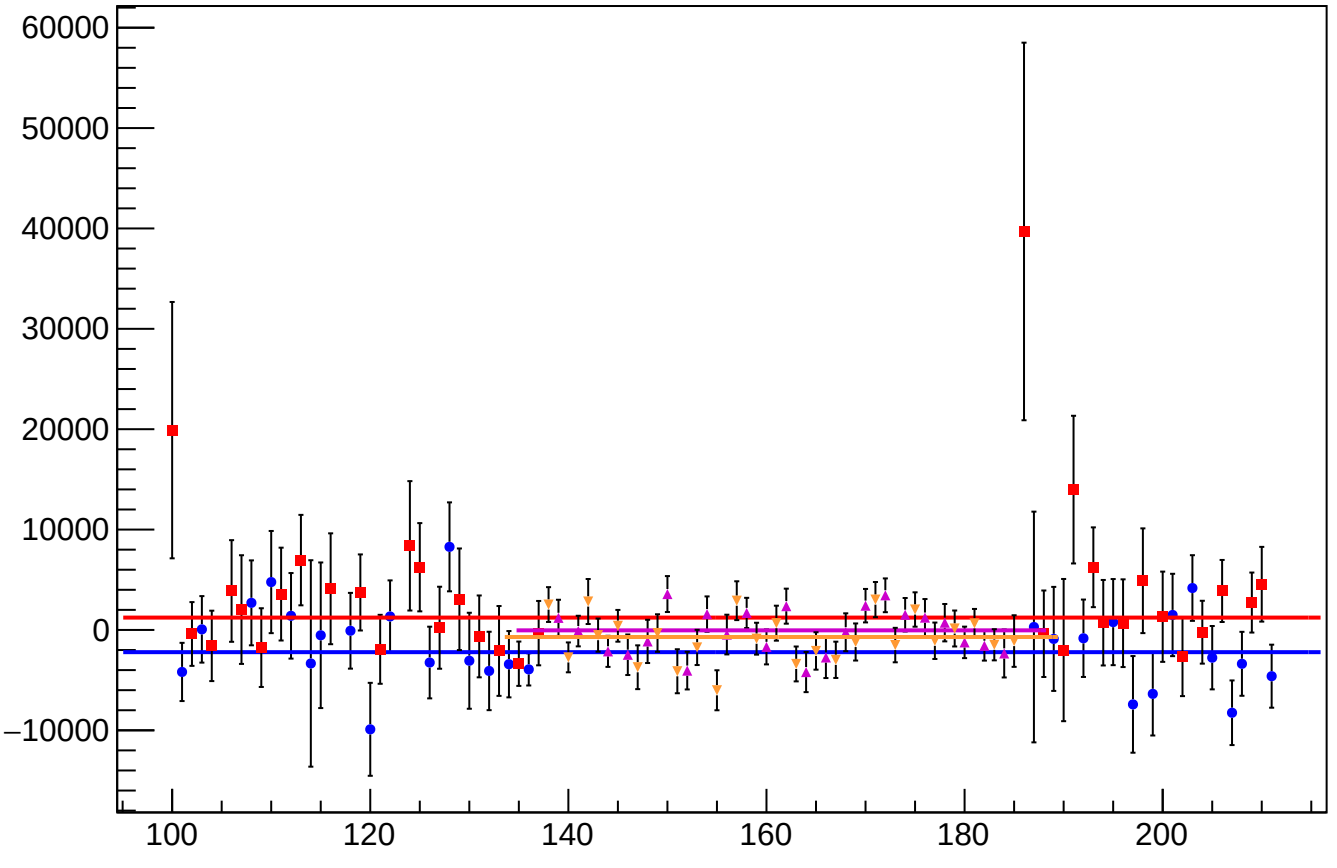
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 216.092+/-0.026 χ^2/NDF: 922040.7/60

In: 215.641+/-0.026 χ^2/NDF:579965.8/50

Out: 217.085+/-0.025 χ^2/NDF:691710.0/57

All: 216.383+/-0.018 χ^2/NDF: 1273269.0/108



Right In: -2213.186+/-686.990 χ^2/NDF: 28.0/27

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1231.160+/-706.666 χ^2/NDF: 28.0/32

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

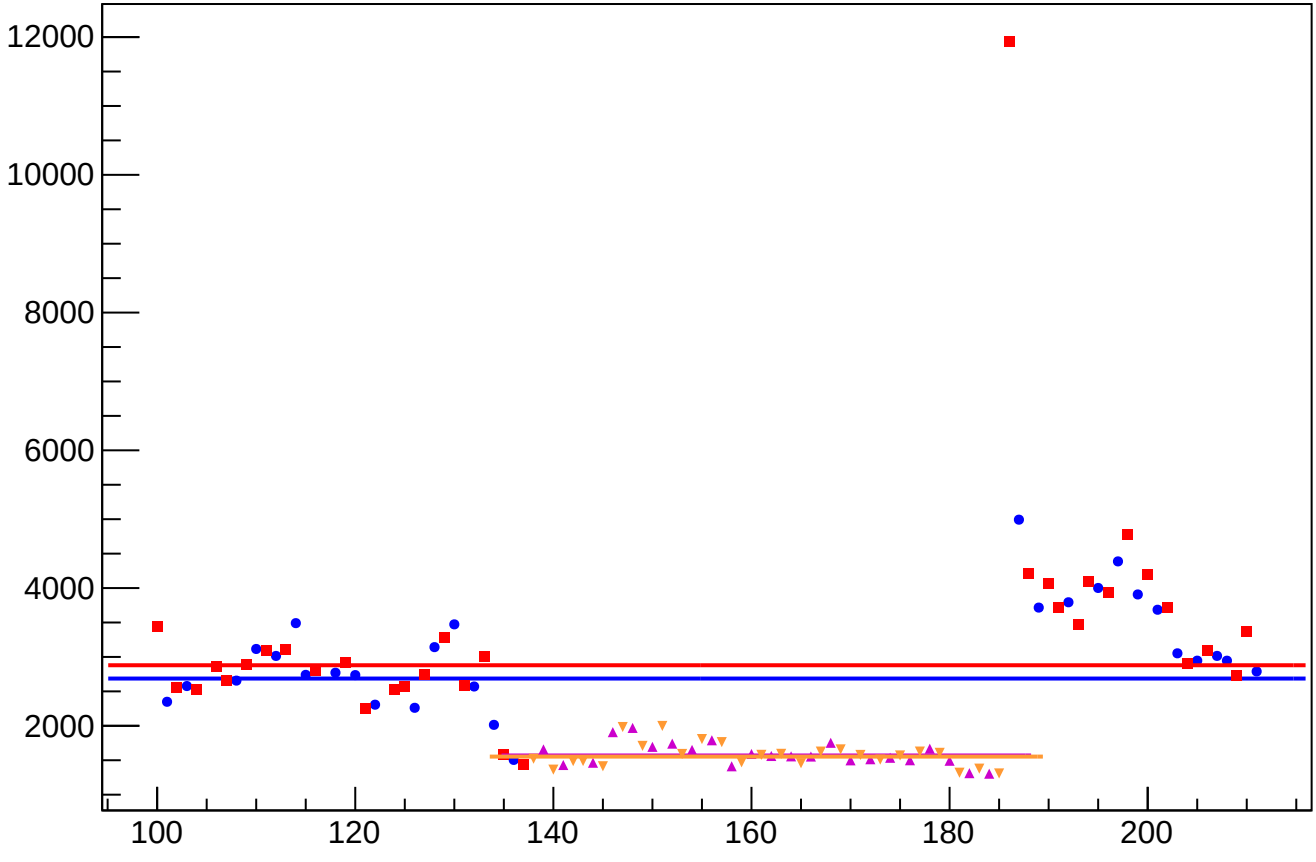
Right: -539.630+/-492.585 χ^2/NDF: 68.3/60

In: -526.064+/-324.988 χ^2/NDF:70.1/50

Out: -313.244+/-317.551 χ^2/NDF:71.6/57

All: -417.191+/-227.126 χ^2/NDF: 142.0/108

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2686.228+/-0.486 χ^2/NDF: 2494044.8/27

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2879.398+/-0.500 χ^2/NDF: 2901122.1/32

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

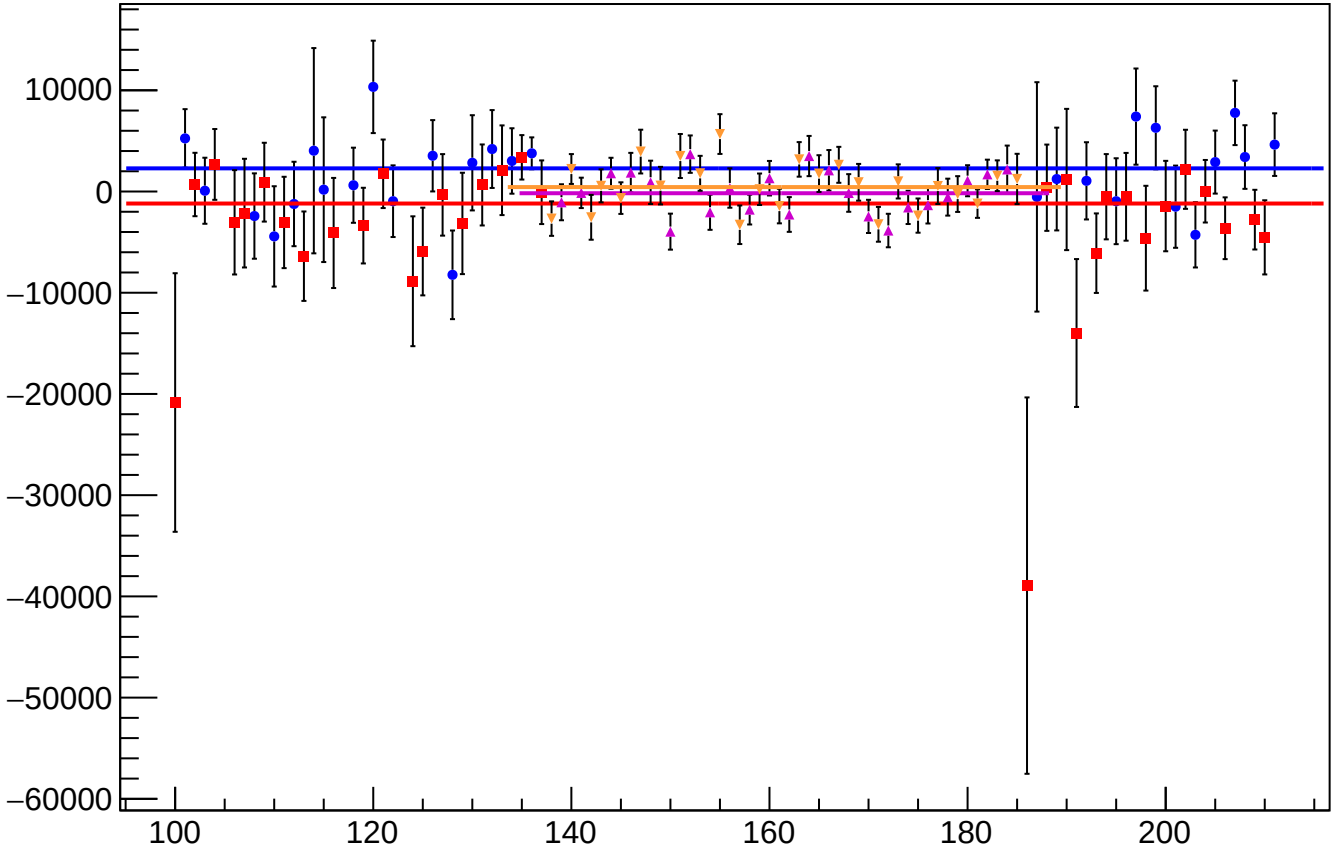
Right: 2780.086+/-0.348 χ^2/NDF: 5471998.4/60

In: 1819.318+/-0.230 χ^2/NDF:6954474.3/50

Out: 1820.854+/-0.225 χ^2/NDF:8934183.5/57

All: 1820.104+/-0.161 χ^2/NDF: 15888680.6/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2287.275+/-677.157 χ^2/NDF: 28.3/27

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -1187.013+/-698.610 χ^2/NDF: 27.5/32

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

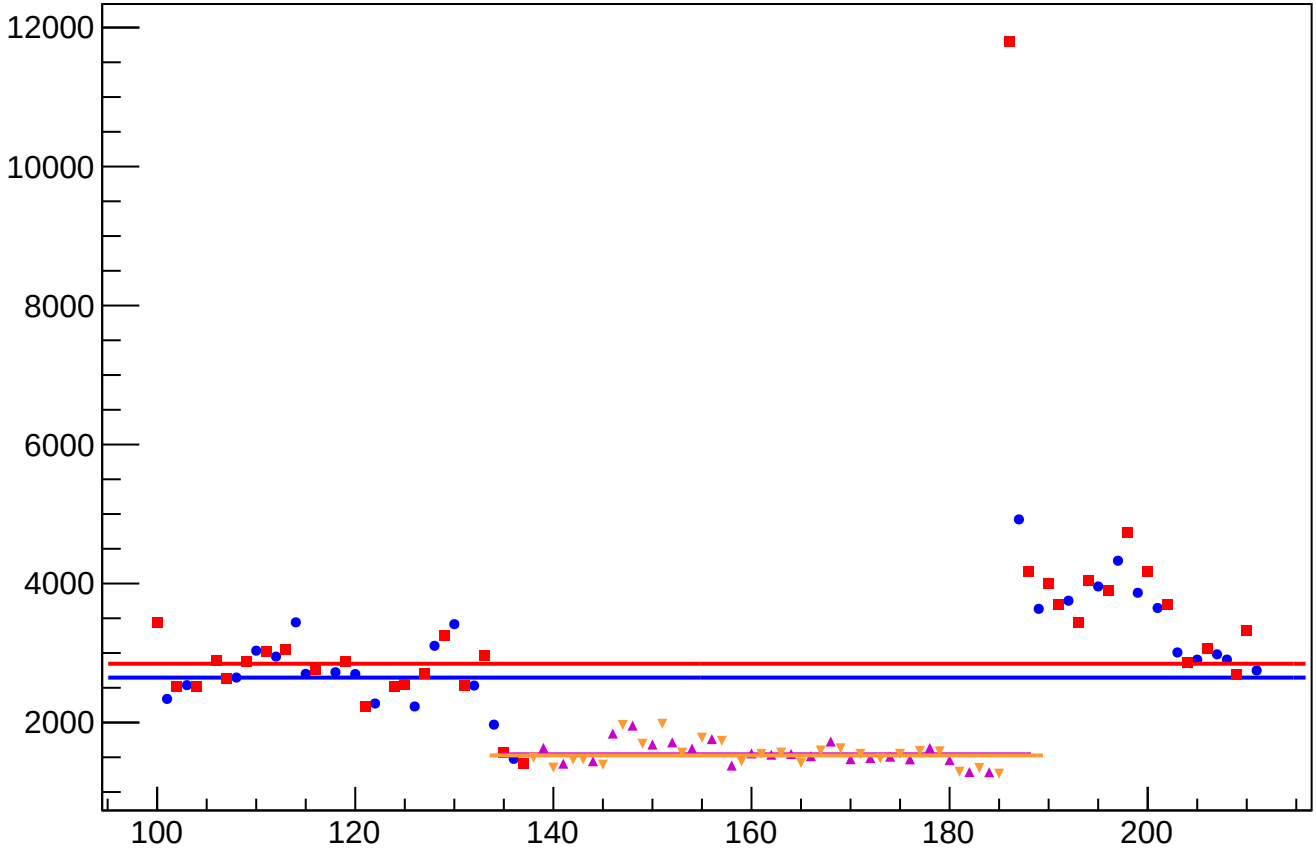
Right: 604.295+/-486.230 χ^2/NDF: 68.6/60

In: 377.591+/-319.622 χ^2/NDF:71.5/50

Out: 112.204+/-312.625 χ^2/NDF:70.7/57

All: 241.961+/-223.492 χ^2/NDF: 142.6/108

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2646.373+/-0.479 χ^2/NDF: 2517986.7/27

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2845.864+/-0.494 χ^2/NDF: 2909103.0/32

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

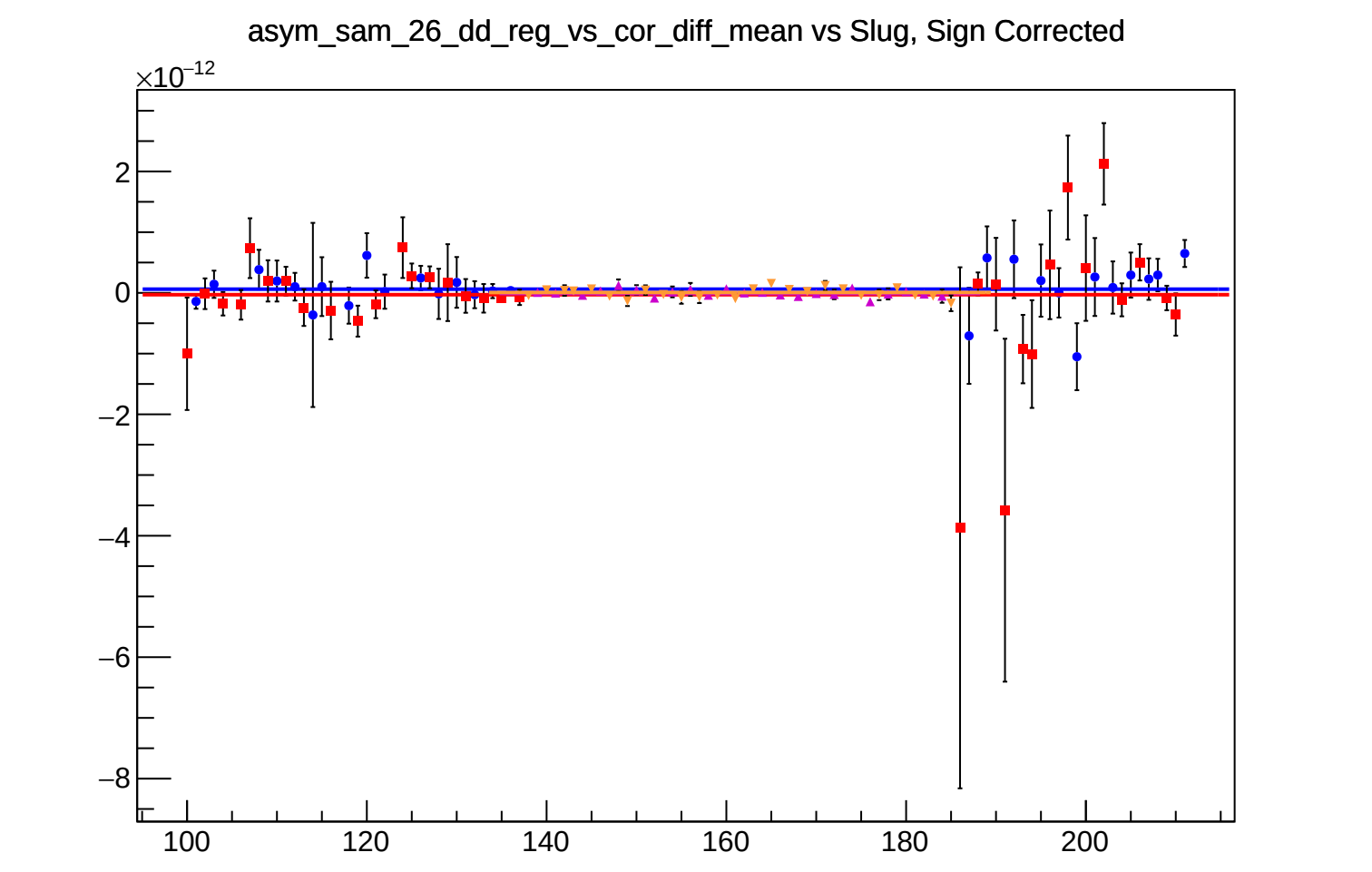
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2743.008+/-0.344 χ^2/NDF: 5511173.7/60

In: 1788.247+/-0.226 χ^2/NDF:7012797.1/50

Out: 1790.887+/-0.221 χ^2/NDF:9041439.3/57

All: 1789.596+/-0.158 χ^2/NDF: 16054306.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.8/32

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

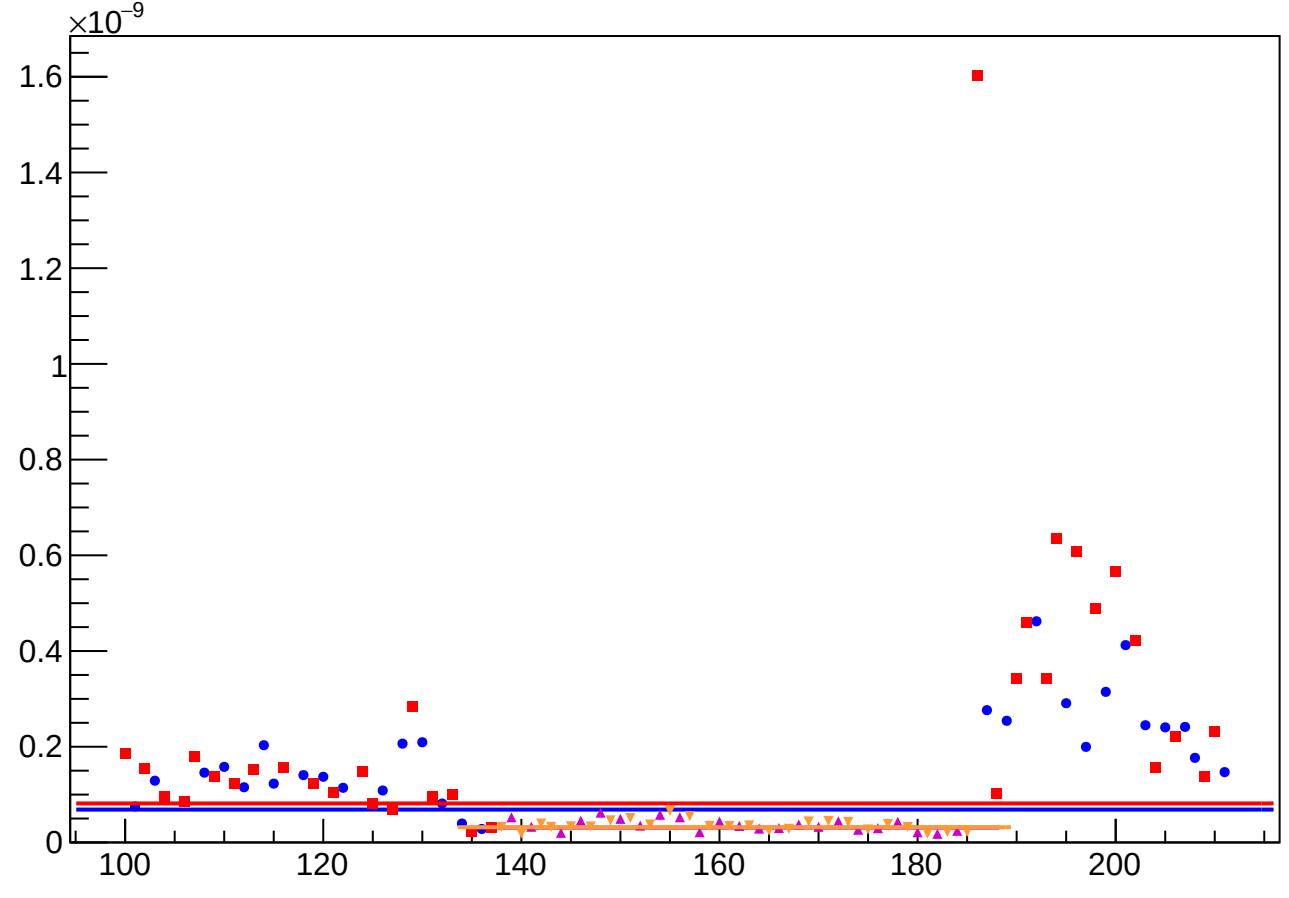
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 71.7/60

In: -0.000+/-0.000 χ^2/NDF:44.7/50

Out: 0.000+/-0.000 χ^2/NDF:76.3/57

All: 0.000+/-0.000 χ^2/NDF: 121.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 7405979.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7987102.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

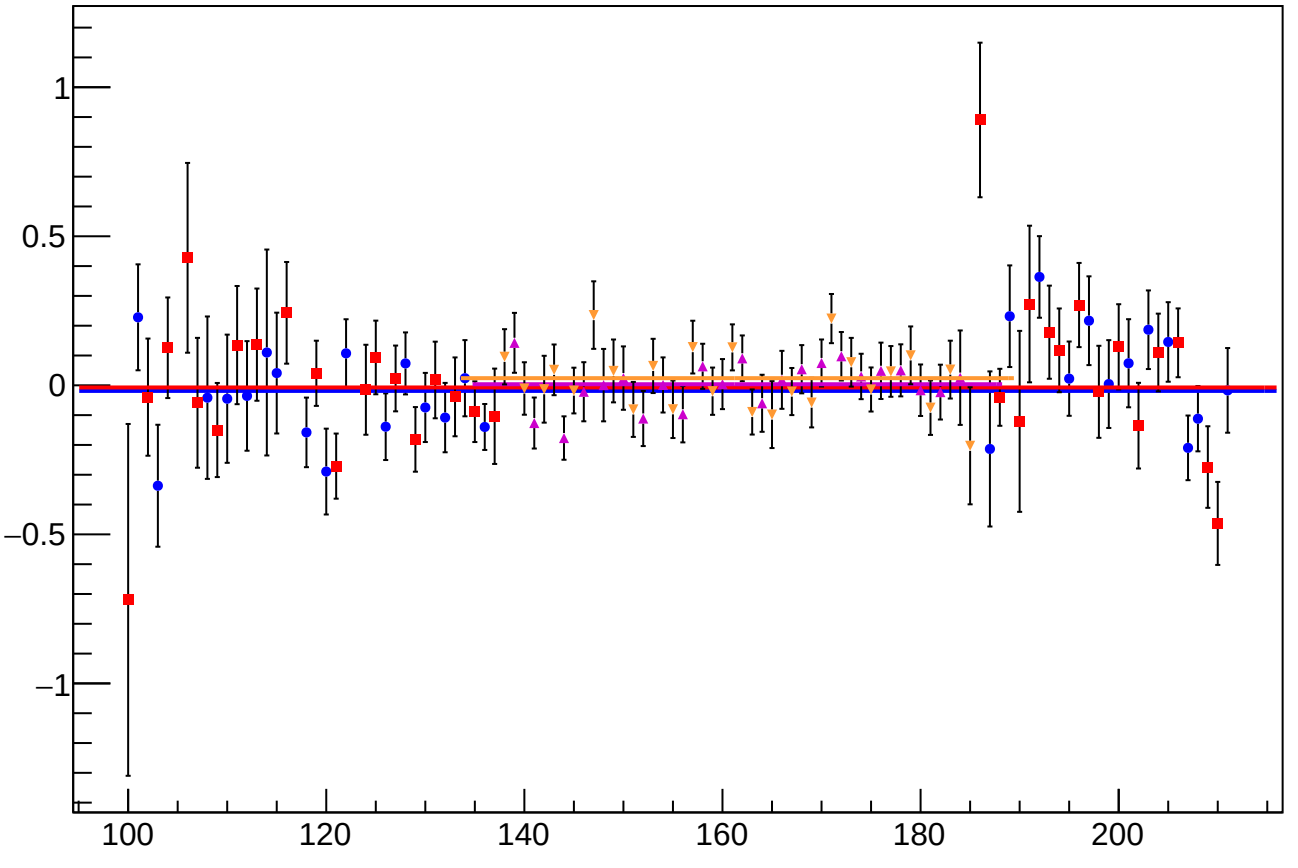
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15511823.9/60

In: 0.000+/-0.000 χ^2/NDF:11091832.5/50

Out: 0.000+/-0.000 χ^2/NDF:12069754.4/57

All: 0.000+/-0.000 χ^2/NDF: 23164531.6/108



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

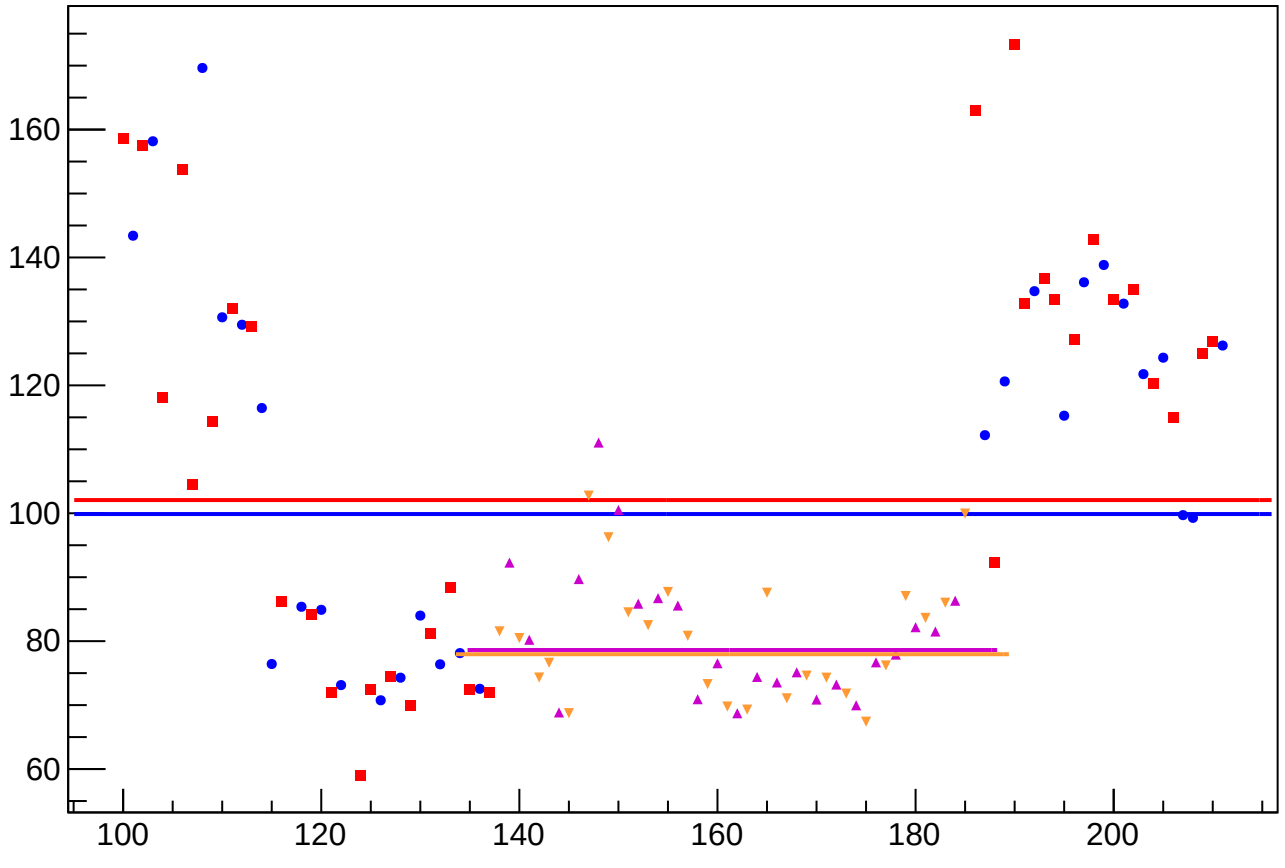
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.013+/-0.018 χ^2/NDF: 94.2/60

In: -0.004+/-0.015 χ^2/NDF:56.8/50

Out: 0.013+/-0.015 χ^2/NDF:83.2/57

All: 0.005+/-0.010 χ^2/NDF: 140.7/108



Right In: 99.877+/-0.018 χ^2/NDF: 2127773.5/27

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 102.064+/-0.018 χ^2/NDF: 2516717.8/32

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

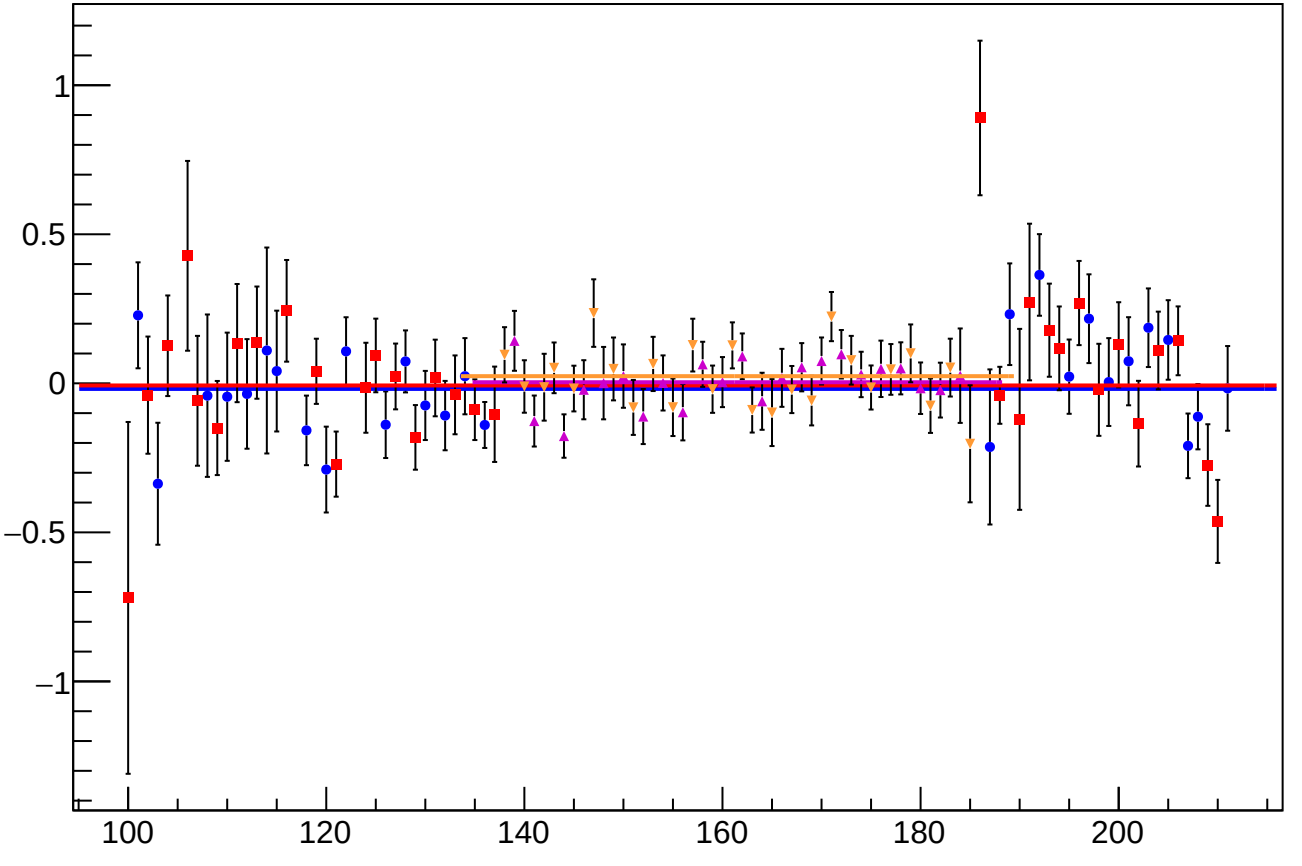
Right: 100.989+/-0.013 χ^2/NDF: 4651969.5/60

In: 85.978+/-0.011 χ^2/NDF:3534012.4/50

Out: 86.067+/-0.010 χ^2/NDF:4182760.4/57

All: 86.024+/-0.007 χ^2/NDF: 7716809.2/108

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

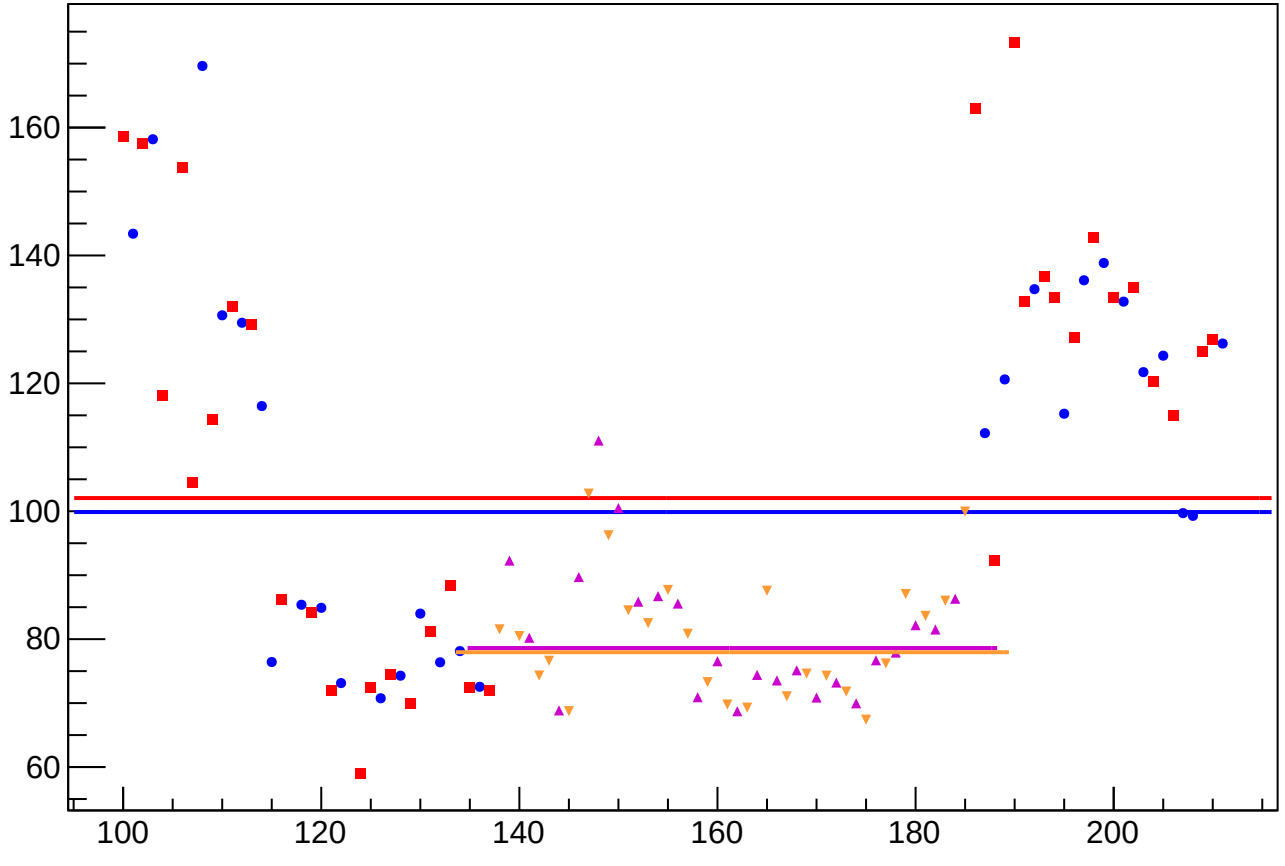
Right: -0.013+/-0.018 χ^2/NDF: 94.2/60

In: -0.004+/-0.015 χ^2/NDF:56.8/50

Out: 0.013+/-0.015 χ^2/NDF:83.2/57

All: 0.005+/-0.010 χ^2/NDF: 140.7/108

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 99.877+/-0.018 χ^2/NDF: 2127773.5/27

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 102.064+/-0.018 χ^2/NDF: 2516717.8/32

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

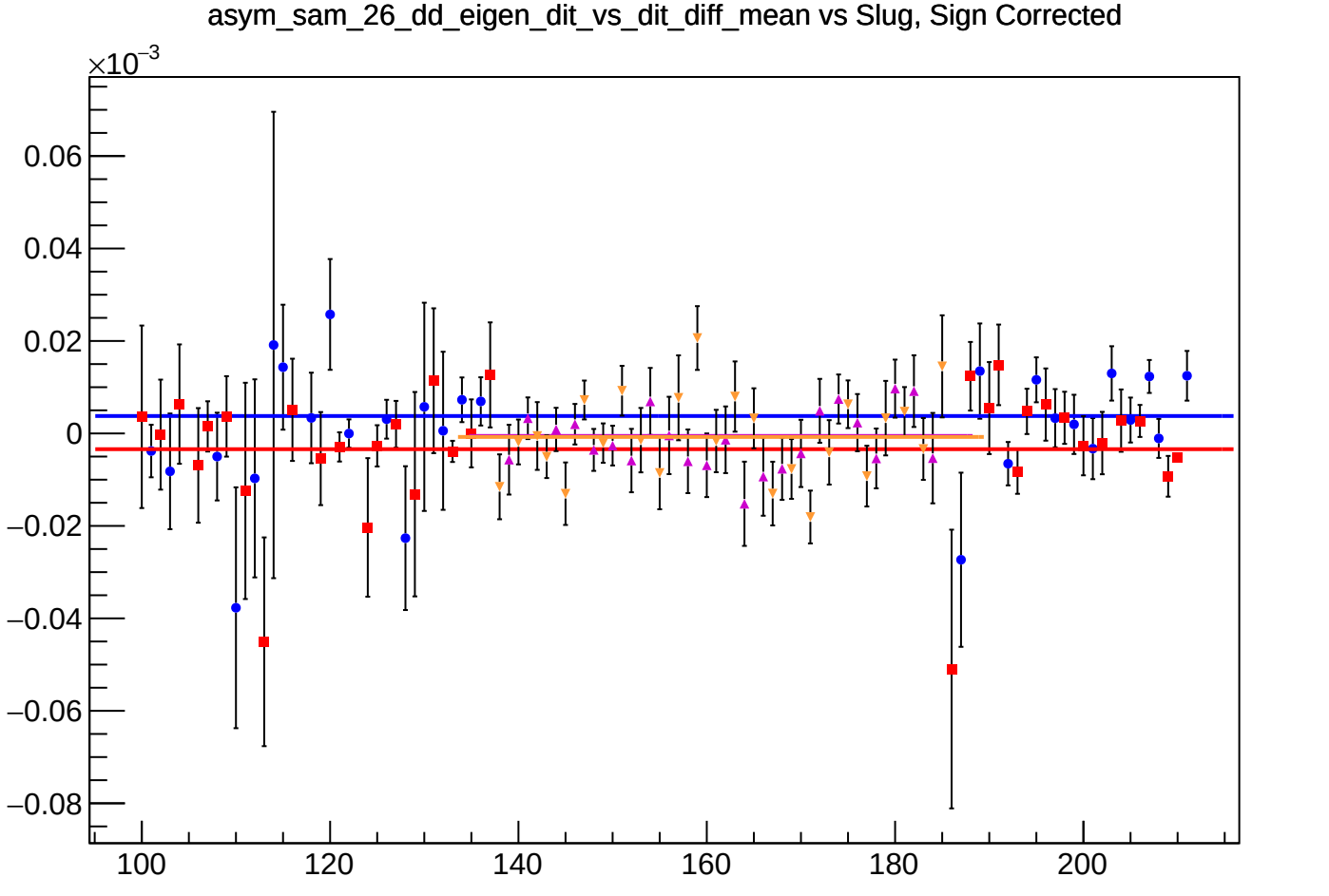
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.989+/-0.013 χ^2/NDF: 4651969.5/60

In: 85.978+/-0.011 χ^2/NDF:3534012.4/50

Out: 86.067+/-0.010 χ^2/NDF:4182760.4/57

All: 86.024+/-0.007 χ^2/NDF: 7716809.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

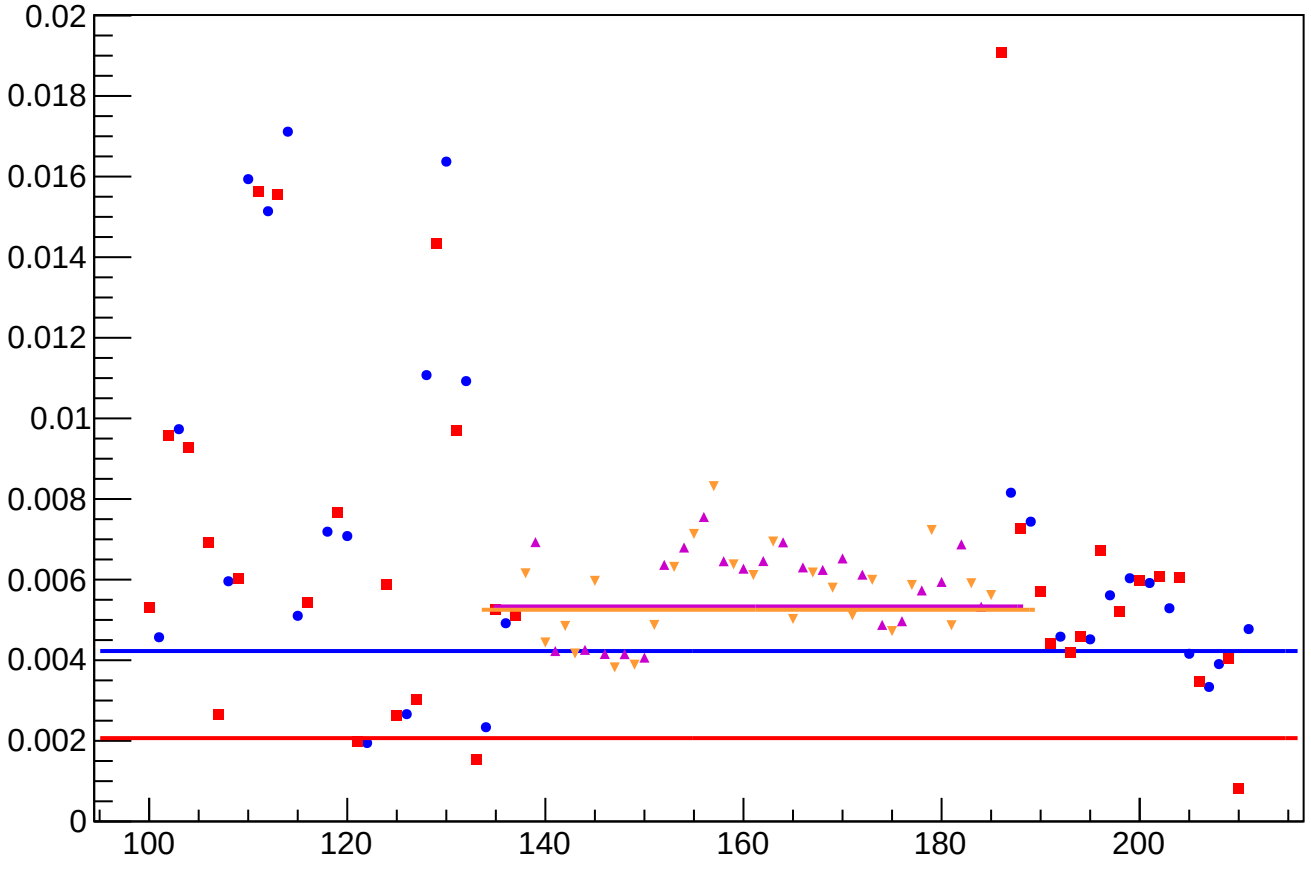
Right: -0.000+/-0.000 χ^2/NDF: 109.3/60

In: 0.000+/-0.000 χ^2/NDF:65.3/50

Out: -0.000+/-0.000 χ^2/NDF:91.9/57

All: -0.000+/-0.000 χ^2/NDF: 176.2/108

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5732759.5/27

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17281739.9/32

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

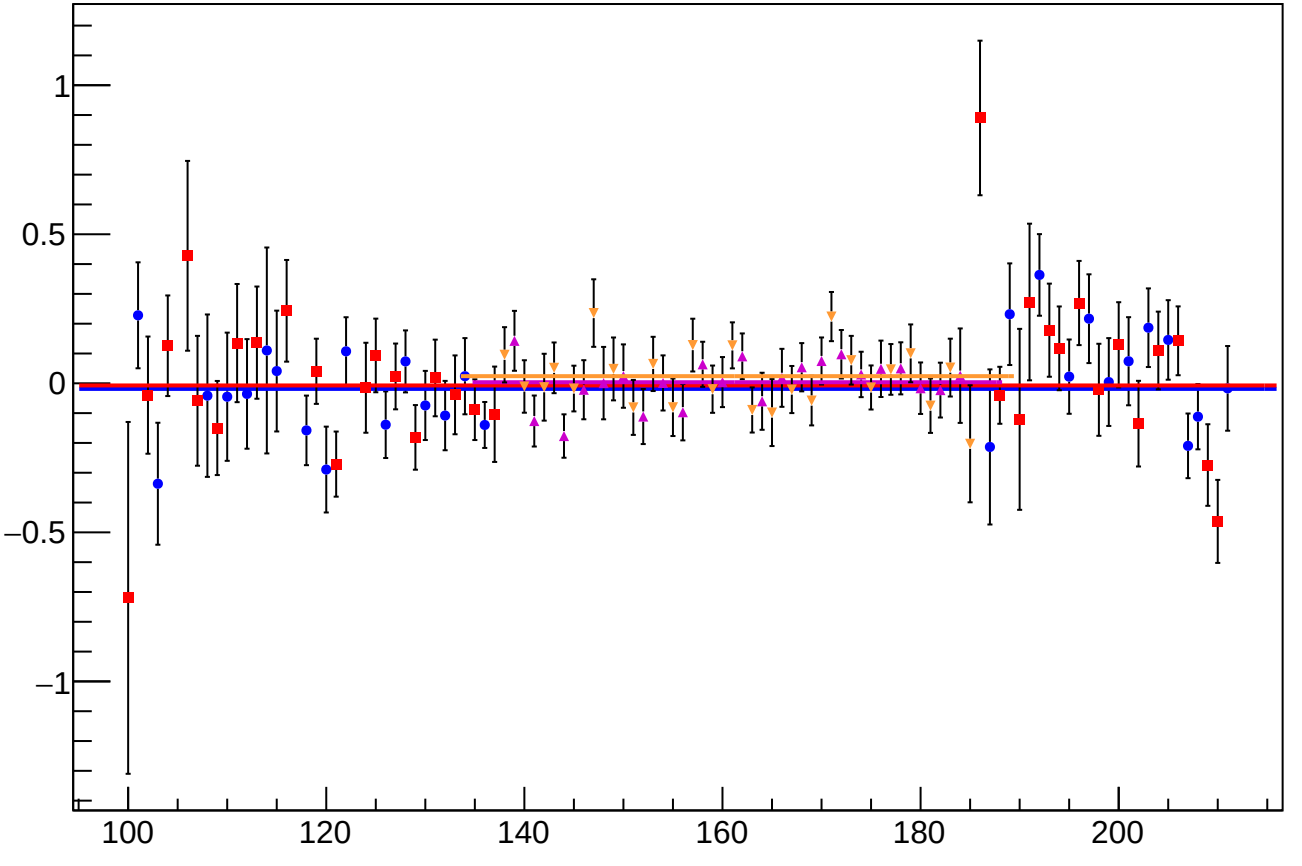
Right: 0.003+/-0.000 χ^2/NDF: 28113028.1/60

In: 0.005+/-0.000 χ^2/NDF:8060206.6/50

Out: 0.003+/-0.000 χ^2/NDF:29036432.7/57

All: 0.003+/-0.000 χ^2/NDF: 43527322.1/108

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

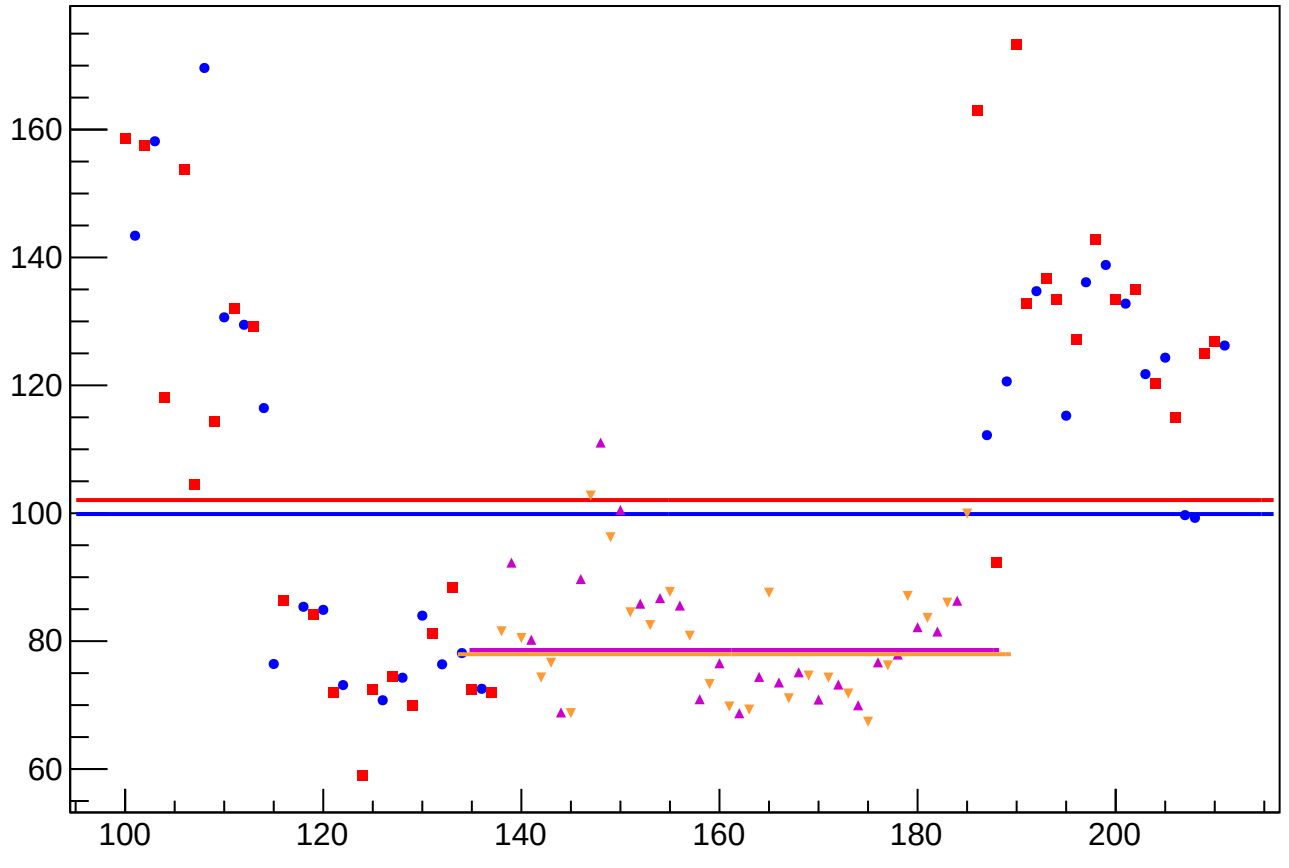
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.013+/-0.018 χ^2/NDF: 94.2/60

In: -0.004+/-0.015 χ^2/NDF:56.8/50

Out: 0.013+/-0.015 χ^2/NDF:83.2/57

All: 0.005+/-0.010 χ^2/NDF: 140.8/108



Right In: 99.875+/-0.018 χ^2/NDF: 2127894.6/27

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 102.062+/-0.018 χ^2/NDF: 2516838.9/32

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

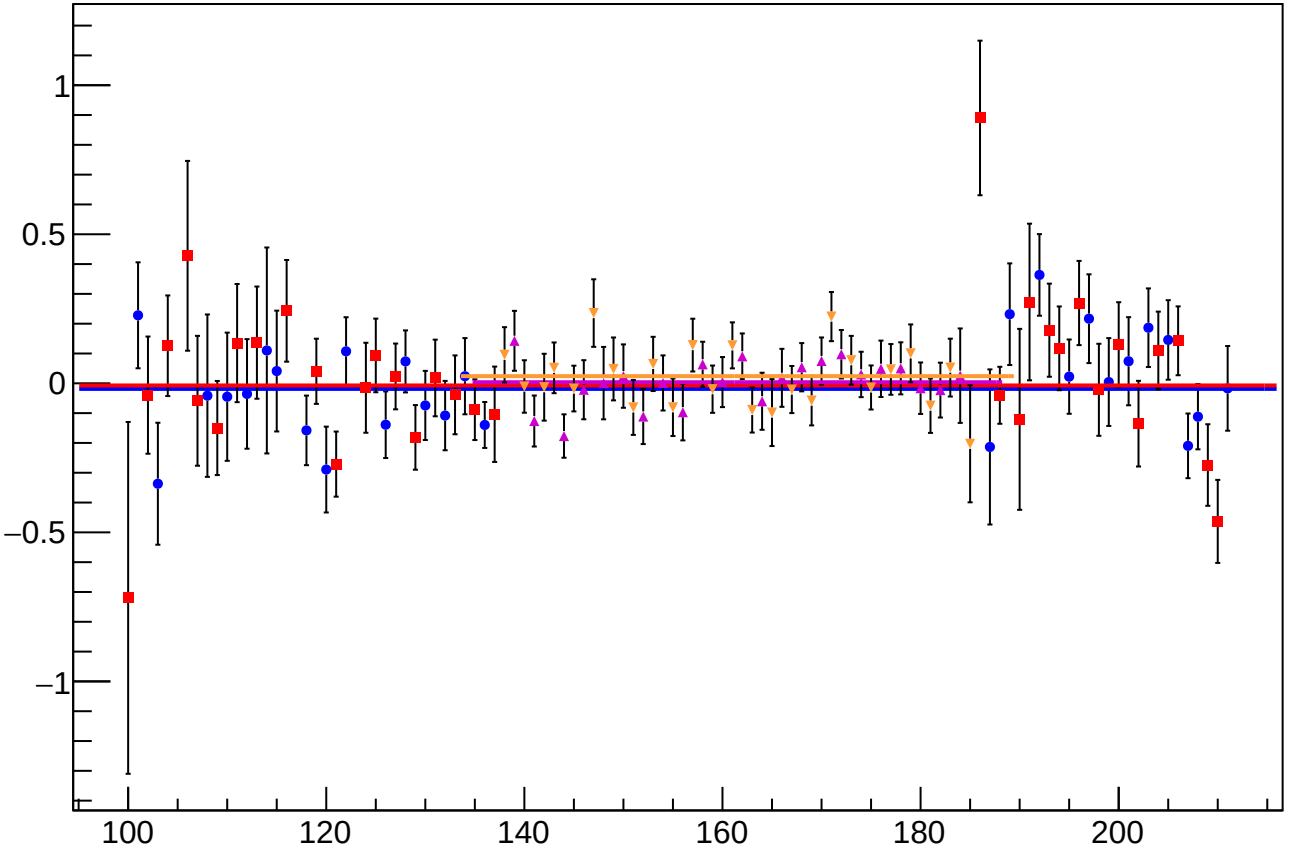
Right: 100.987+/-0.013 χ^2/NDF: 4652213.6/60

In: 85.977+/-0.011 χ^2/NDF:3534085.0/50

Out: 86.066+/-0.010 χ^2/NDF:4182810.9/57

All: 86.023+/-0.007 χ^2/NDF: 7716932.6/108

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/27

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.007+/-0.025 χ^2/NDF: 56.7/32

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

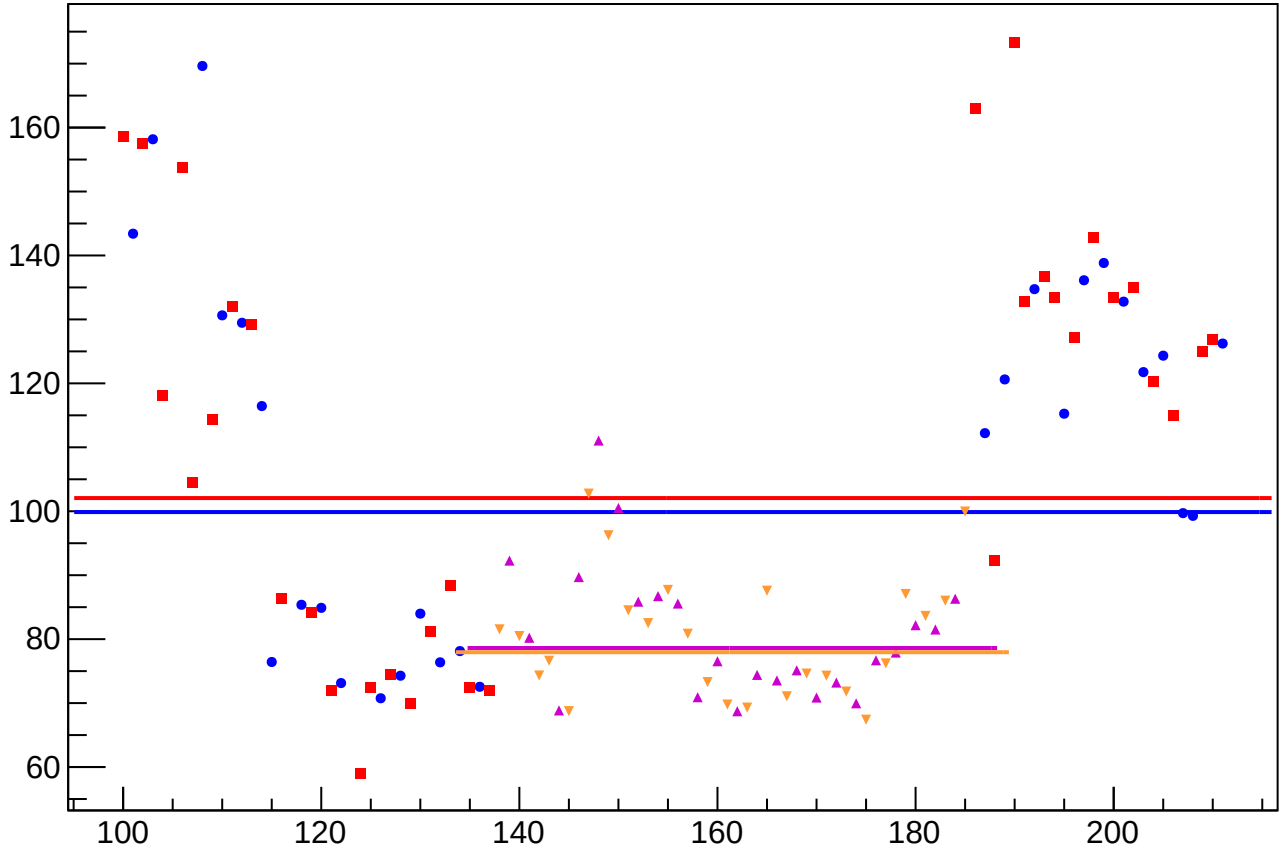
Right: -0.013+/-0.018 χ^2/NDF: 94.2/60

In: -0.004+/-0.015 χ^2/NDF:56.8/50

Out: 0.013+/-0.015 χ^2/NDF:83.2/57

All: 0.005+/-0.010 χ^2/NDF: 140.8/108

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 99.875+/-0.018 χ^2/NDF: 2127894.6/27

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 102.062+/-0.018 χ^2/NDF: 2516838.9/32

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

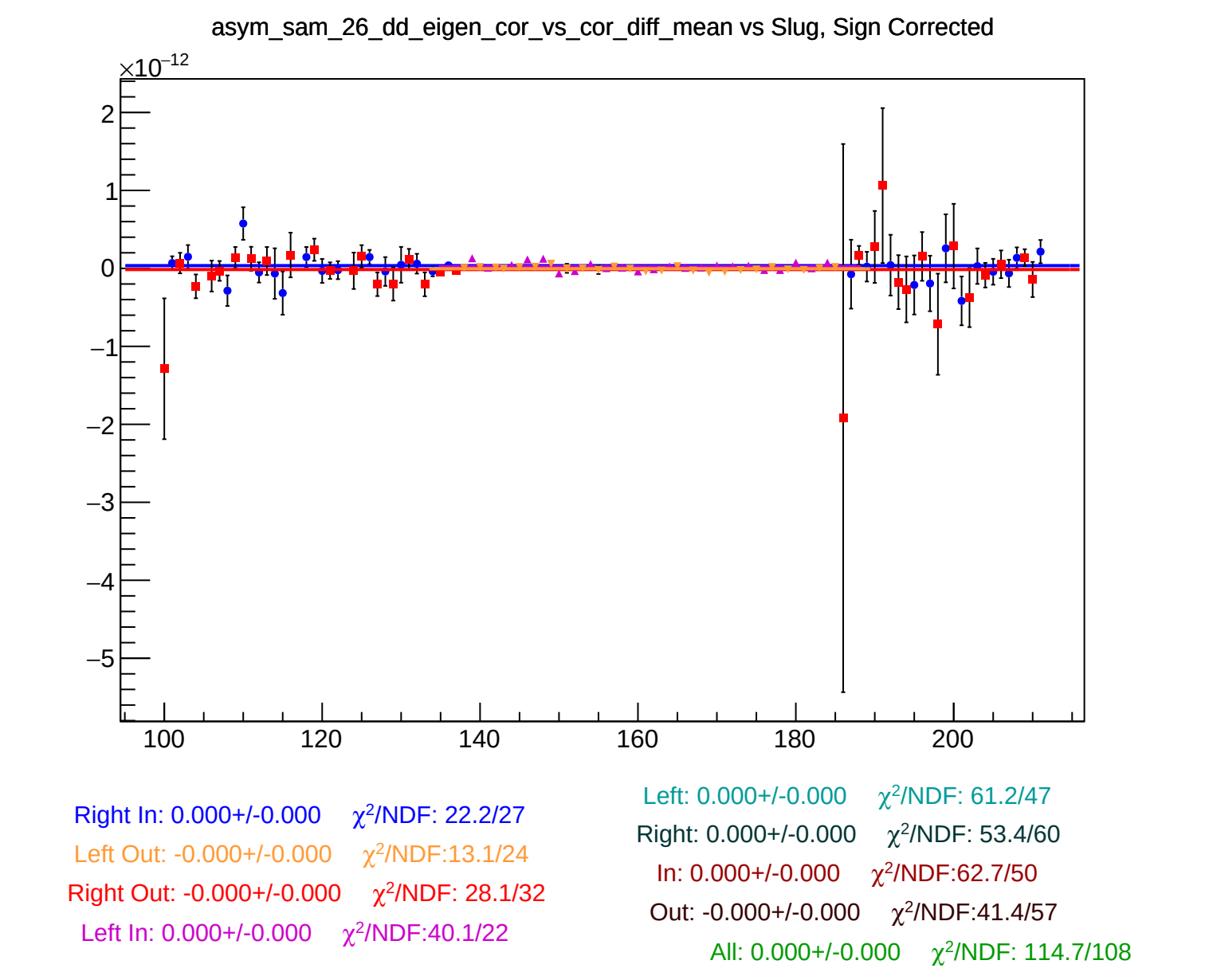
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.987+/-0.013 χ^2/NDF: 4652213.6/60

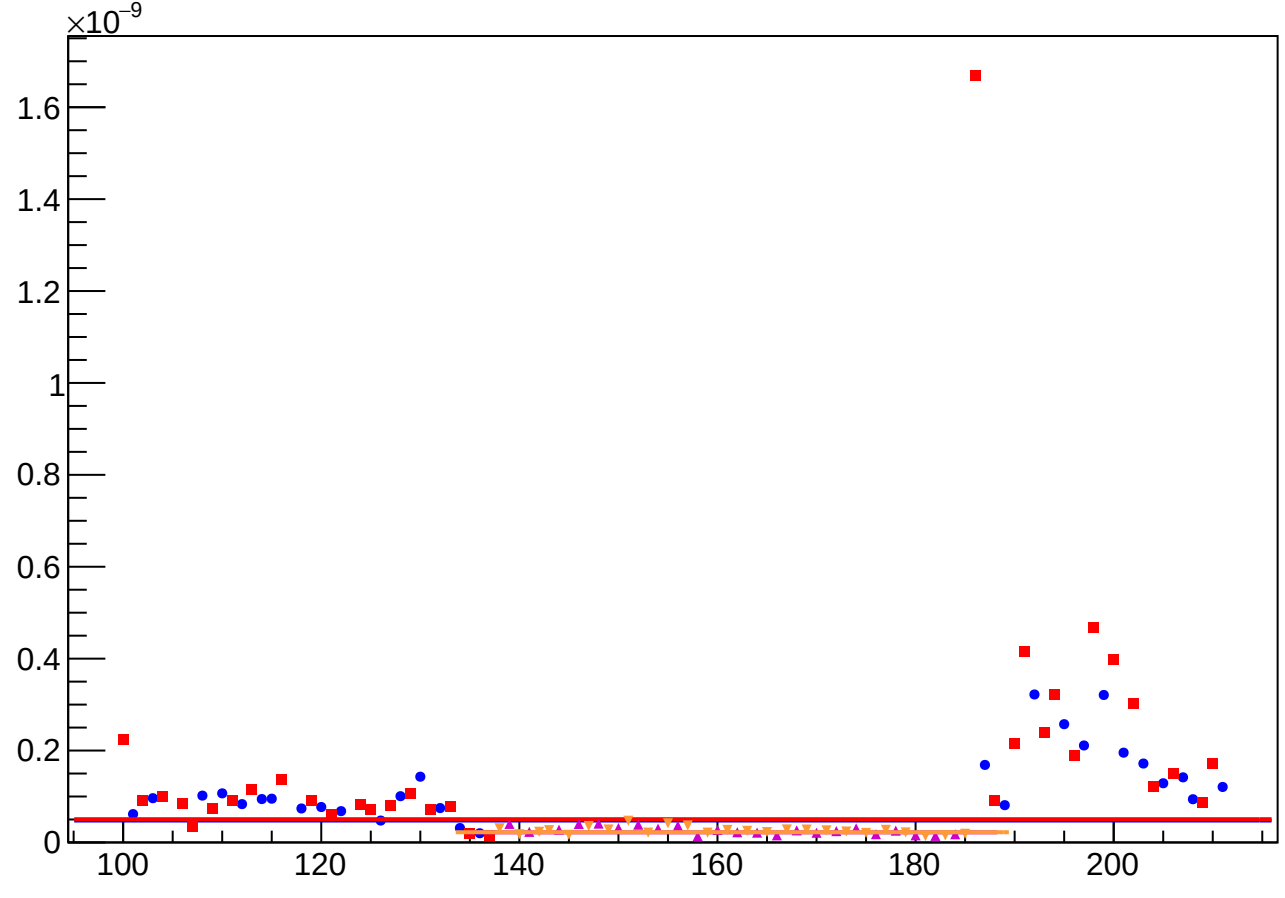
In: 85.977+/-0.011 χ^2/NDF:3534085.0/50

Out: 86.066+/-0.010 χ^2/NDF:4182810.9/57

All: 86.023+/-0.007 χ^2/NDF: 7716932.6/108


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: 22.2/27
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.1/32
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: 53.4/60
In: 0.000+/-0.000 χ²/NDF:62.7/50
Out: -0.000+/-0.000 χ²/NDF:41.4/57
All: 0.000+/-0.000 χ²/NDF: 114.7/108

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9743866.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12074844.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

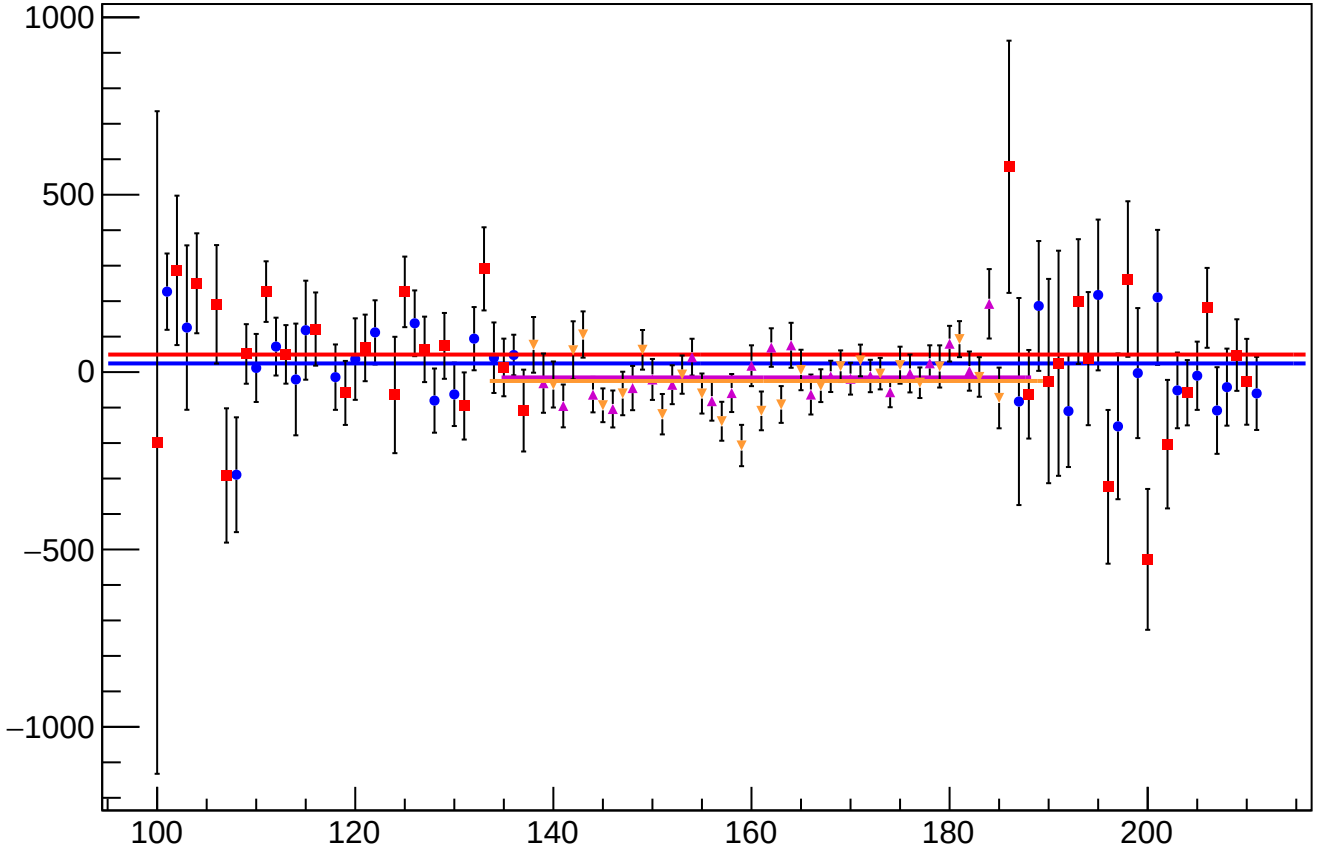
Right: 0.000+/-0.000 χ^2/NDF: 21838706.5/60

In: 0.000+/-0.000 χ^2/NDF:15669243.2/50

Out: 0.000+/-0.000 χ^2/NDF:17811663.5/57

All: 0.000+/-0.000 χ^2/NDF: 33480984.2/108

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 24.424+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.462+/-20.881 χ^2/NDF: 47.3/32

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

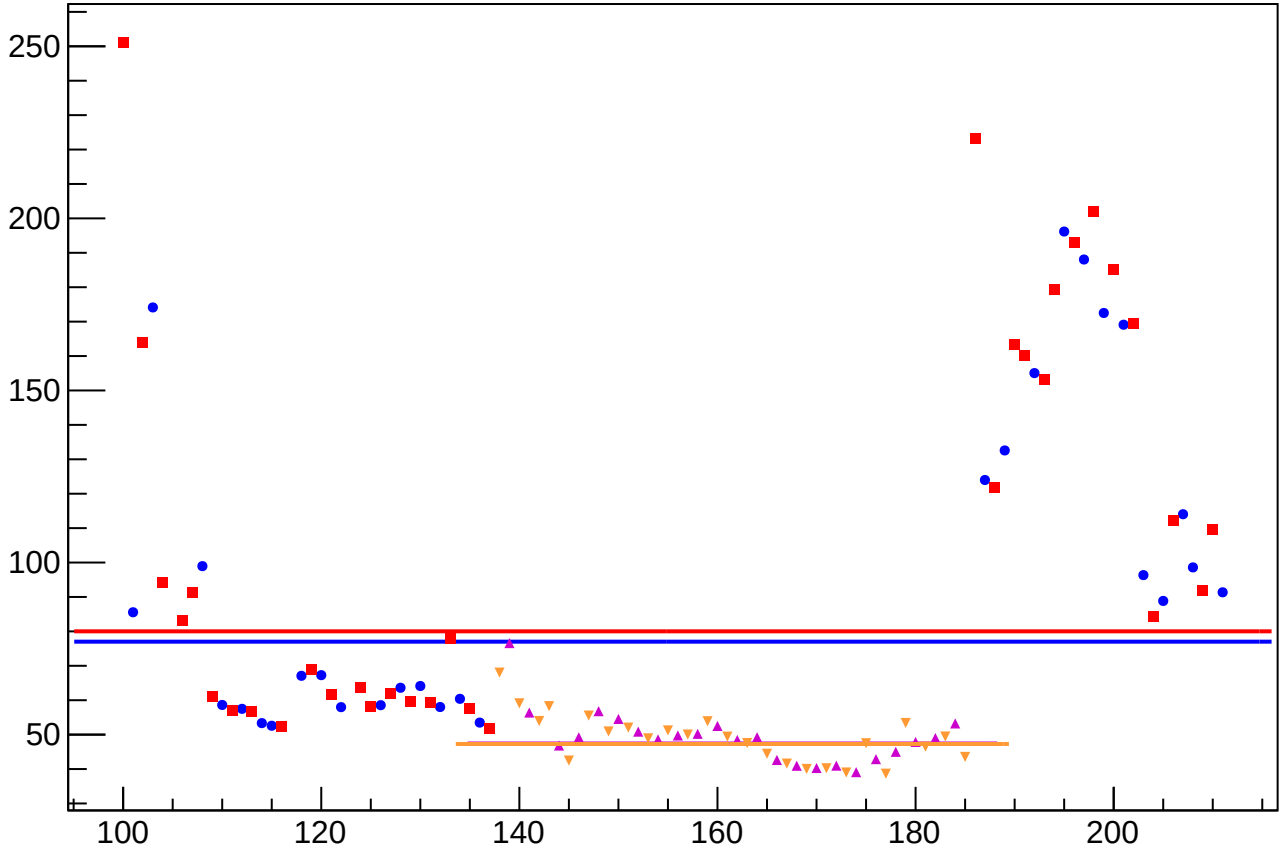
Right: 36.834+/-14.701 χ^2/NDF: 69.2/60

In: -6.046+/-9.863 χ^2/NDF:48.7/50

Out: -9.074+/-9.654 χ^2/NDF:100.4/57

All: -7.592+/-6.899 χ^2/NDF: 149.1/108

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 77.010+/-0.015 χ^2/NDF: 4819792.0/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 80.016+/-0.015 χ^2/NDF: 6000383.2/32

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

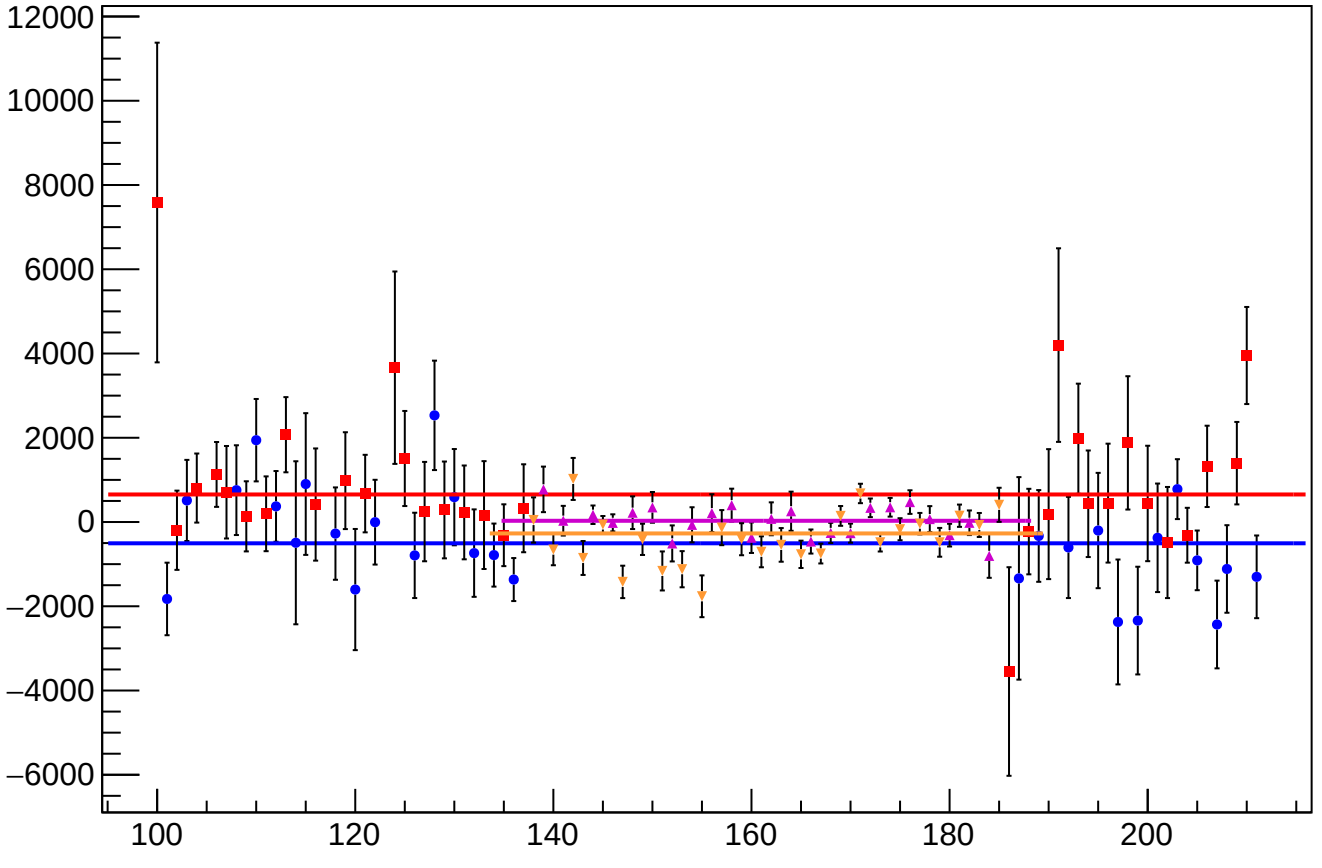
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 78.500+/-0.010 χ^2/NDF: 10841068.6/60

In: 54.141+/-0.007 χ^2/NDF:8633350.9/50

Out: 54.280+/-0.007 χ^2/NDF:10581504.2/57

All: 54.212+/-0.005 χ^2/NDF: 19215058.3/108



Right In: -505.277+/-187.802 χ^2/NDF: 35.2/27

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 653.917+/-187.288 χ^2/NDF: 32.5/32

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

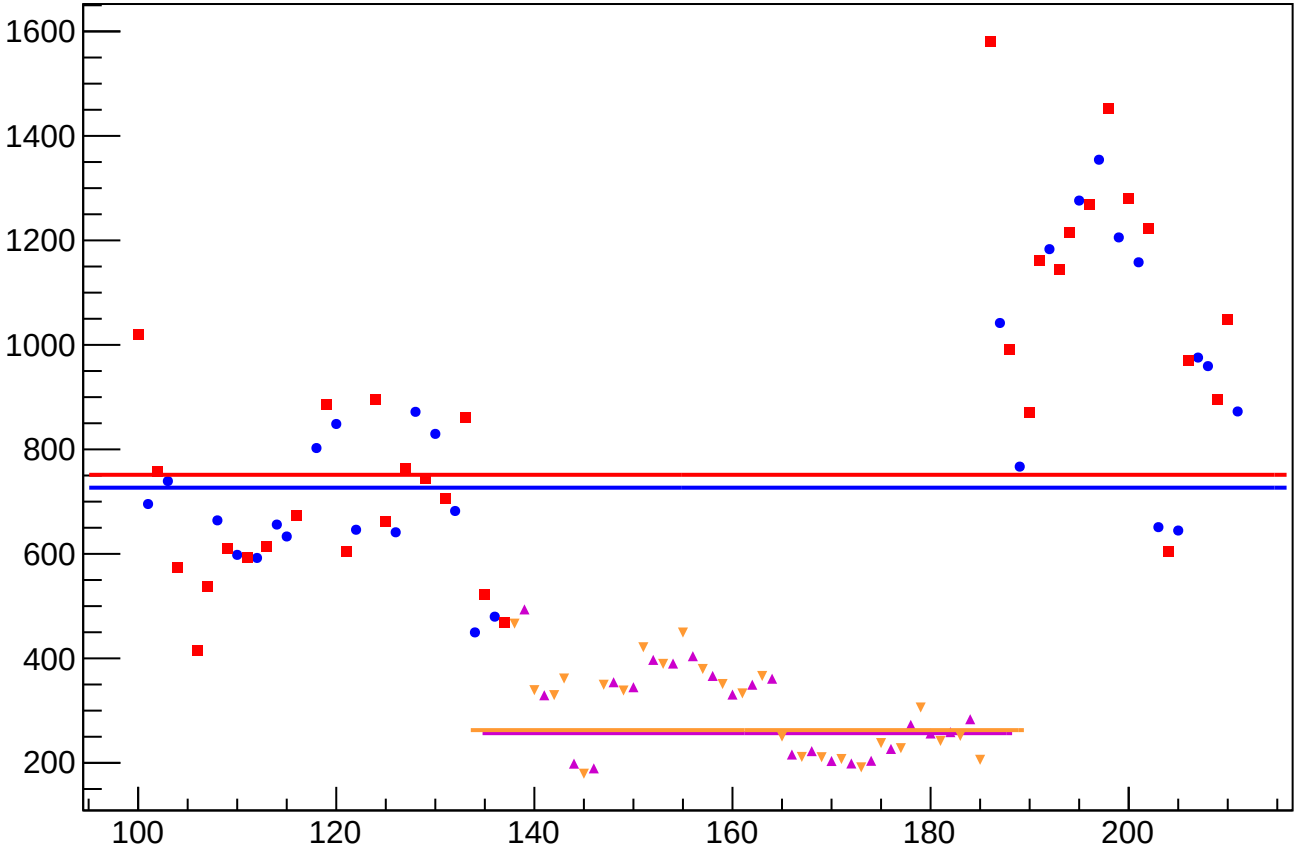
Right: 75.909+/-132.614 χ^2/NDF: 86.8/60

In: -24.355+/-59.448 χ^2/NDF:66.9/50

Out: -178.759+/-59.154 χ^2/NDF:128.4/57

All: -101.939+/-41.932 χ^2/NDF: 198.7/108

asym_sam_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 726.705+/-0.133 χ^2/NDF: 2762323.0/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 751.353+/-0.132 χ^2/NDF: 3652989.2/32

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

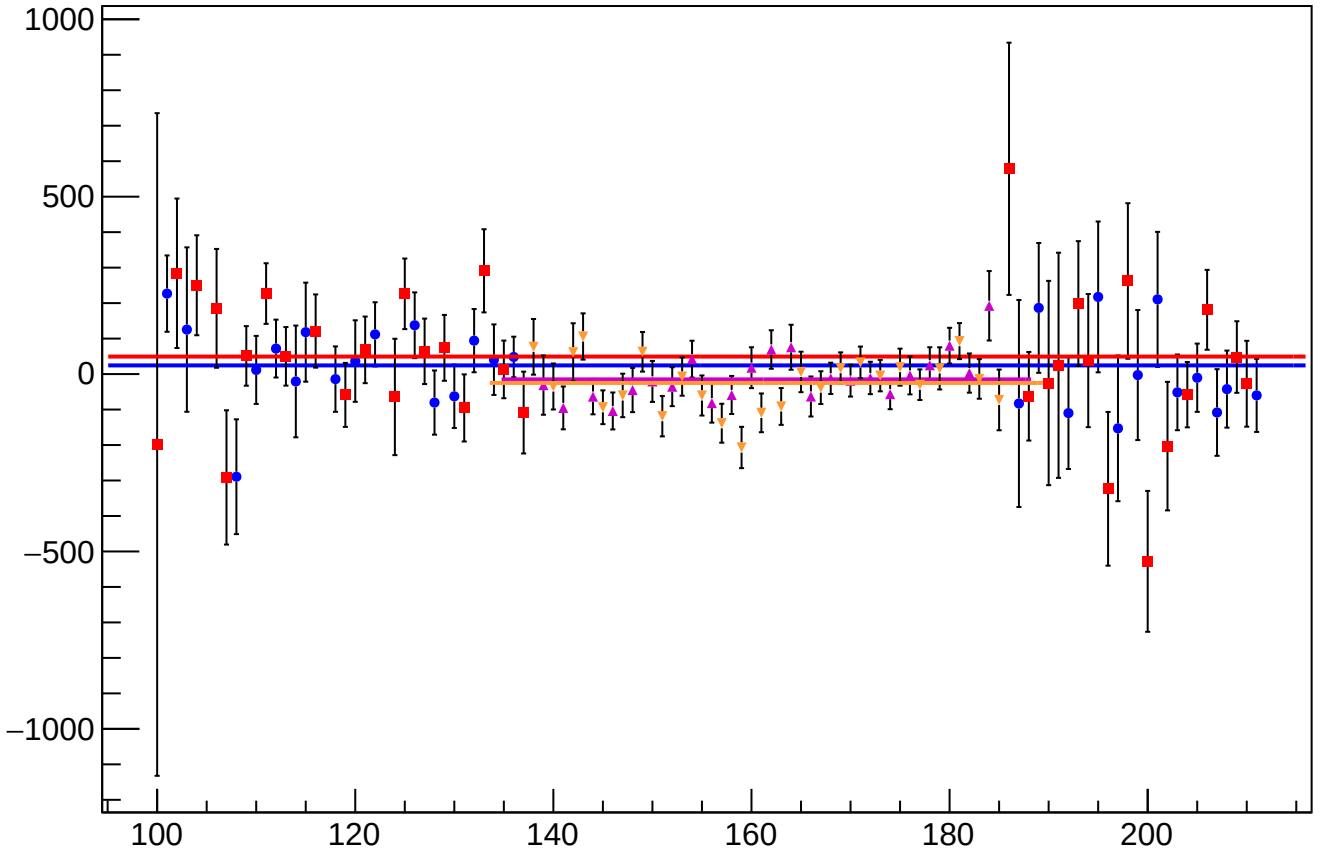
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 739.063+/-0.094 χ^2/NDF: 6432585.2/60

In: 303.923+/-0.042 χ^2/NDF:16666100.6/50

Out: 311.429+/-0.042 χ^2/NDF:18803880.2/57

All: 307.694+/-0.030 χ^2/NDF: 35486000.7/10



Right In: 24.417+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.328+/-20.882 χ^2/NDF: 47.2/32

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

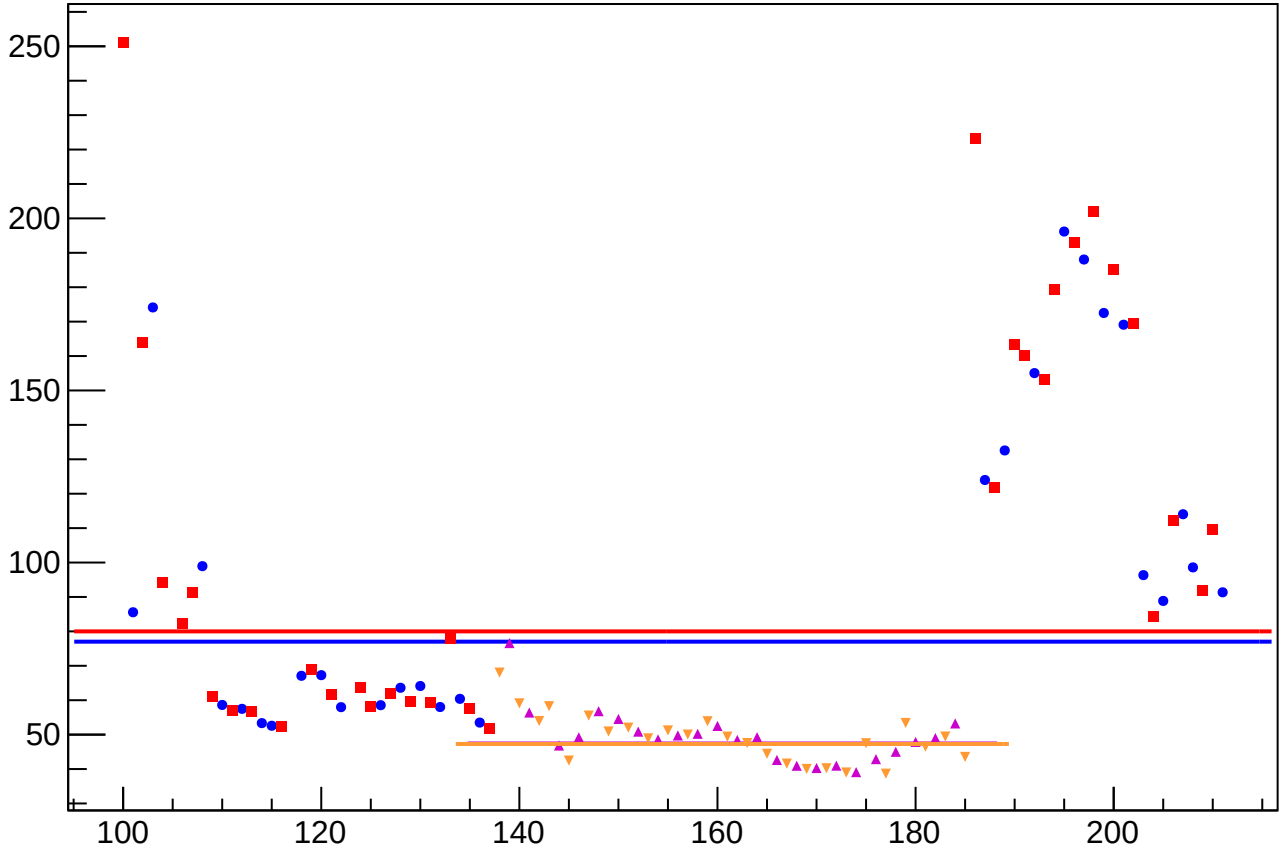
Right: 36.764+/-14.701 χ^2/NDF: 69.1/60

In: -6.046+/-9.863 χ^2/NDF:48.7/50

Out: -9.101+/-9.654 χ^2/NDF:100.2/57

All: -7.606+/-6.899 χ^2/NDF: 149.0/108

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 77.010+/-0.015 χ^2/NDF: 4819794.4/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 79.999+/-0.015 χ^2/NDF: 6000169.0/32

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

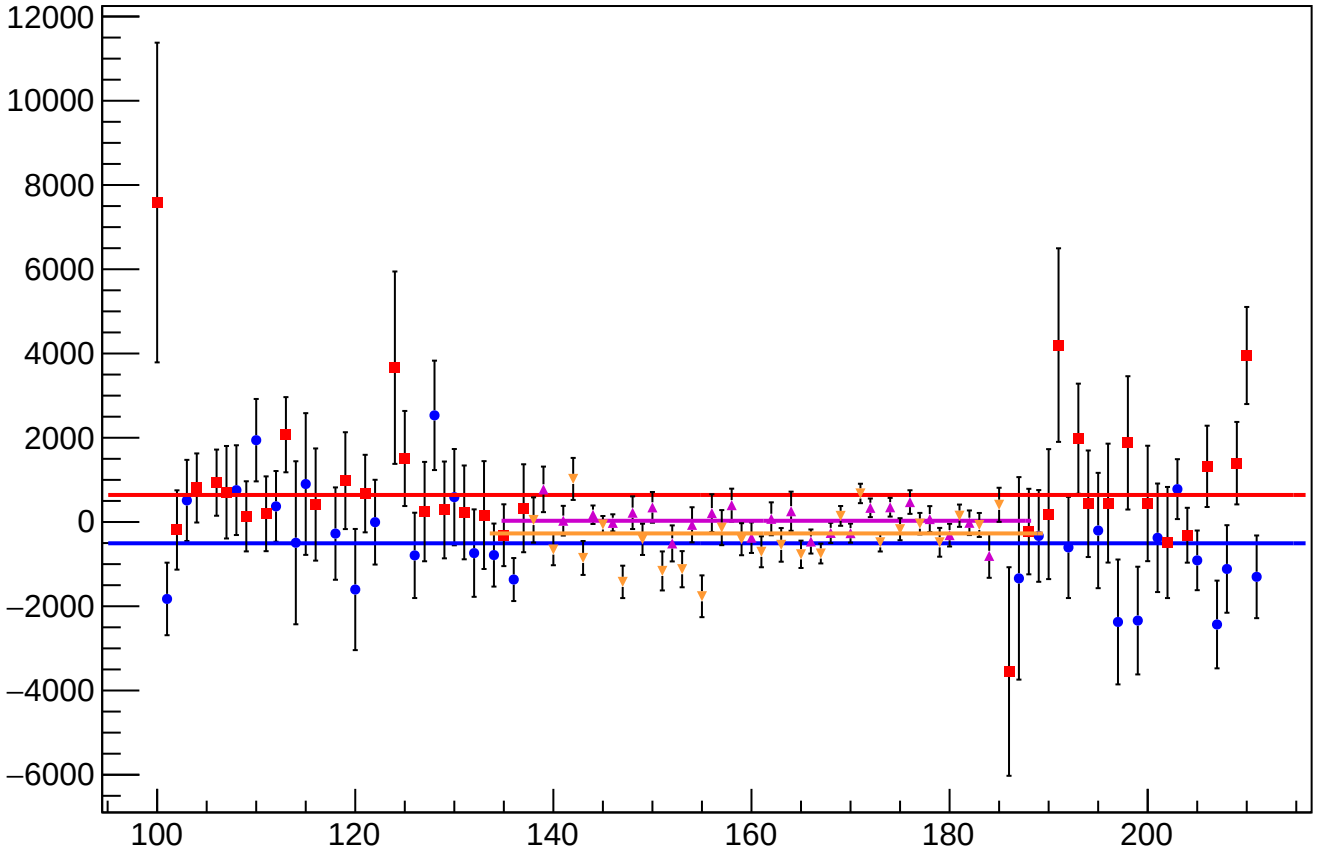
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 78.492+/-0.010 χ^2/NDF: 10840631.3/60

In: 54.141+/-0.007 χ^2/NDF:8633352.7/50

Out: 54.276+/-0.007 χ^2/NDF:10577196.7/57

All: 54.210+/-0.005 χ^2/NDF: 19210741.1/108



Right In: -505.278+/-187.803 χ^2/NDF: 35.2/27

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 642.078+/-187.513 χ^2/NDF: 32.3/32

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

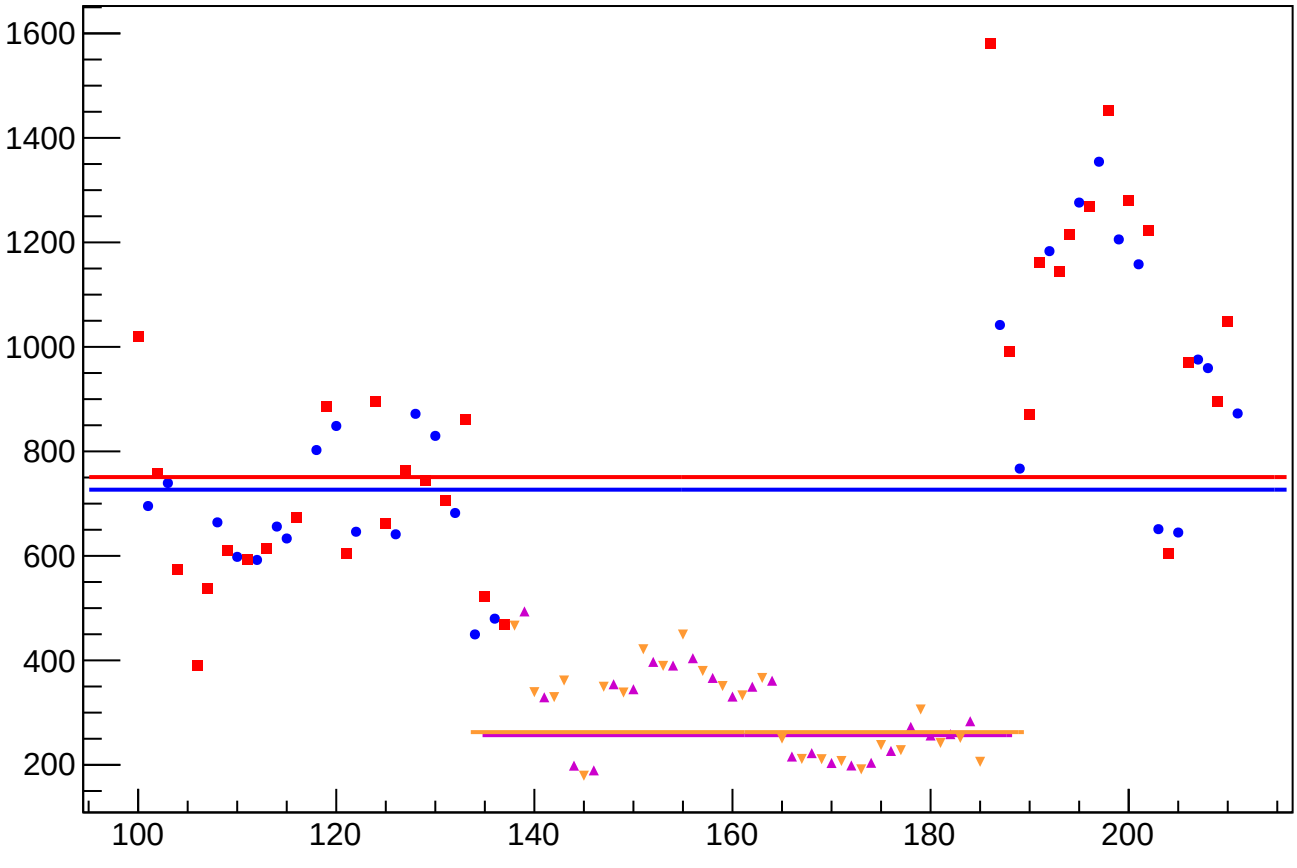
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 69.287+/-132.694 χ^2/NDF: 86.1/60

In: -24.353+/-59.448 χ^2/NDF:66.9/50

Out: -180.132+/-59.161 χ^2/NDF:127.5/57

All: -102.619+/-41.934 χ^2/NDF: 197.8/108



Right In: 726.708+/-0.133 χ^2/NDF: 2762326.8/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 750.829+/-0.133 χ^2/NDF: 3690973.4/32

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

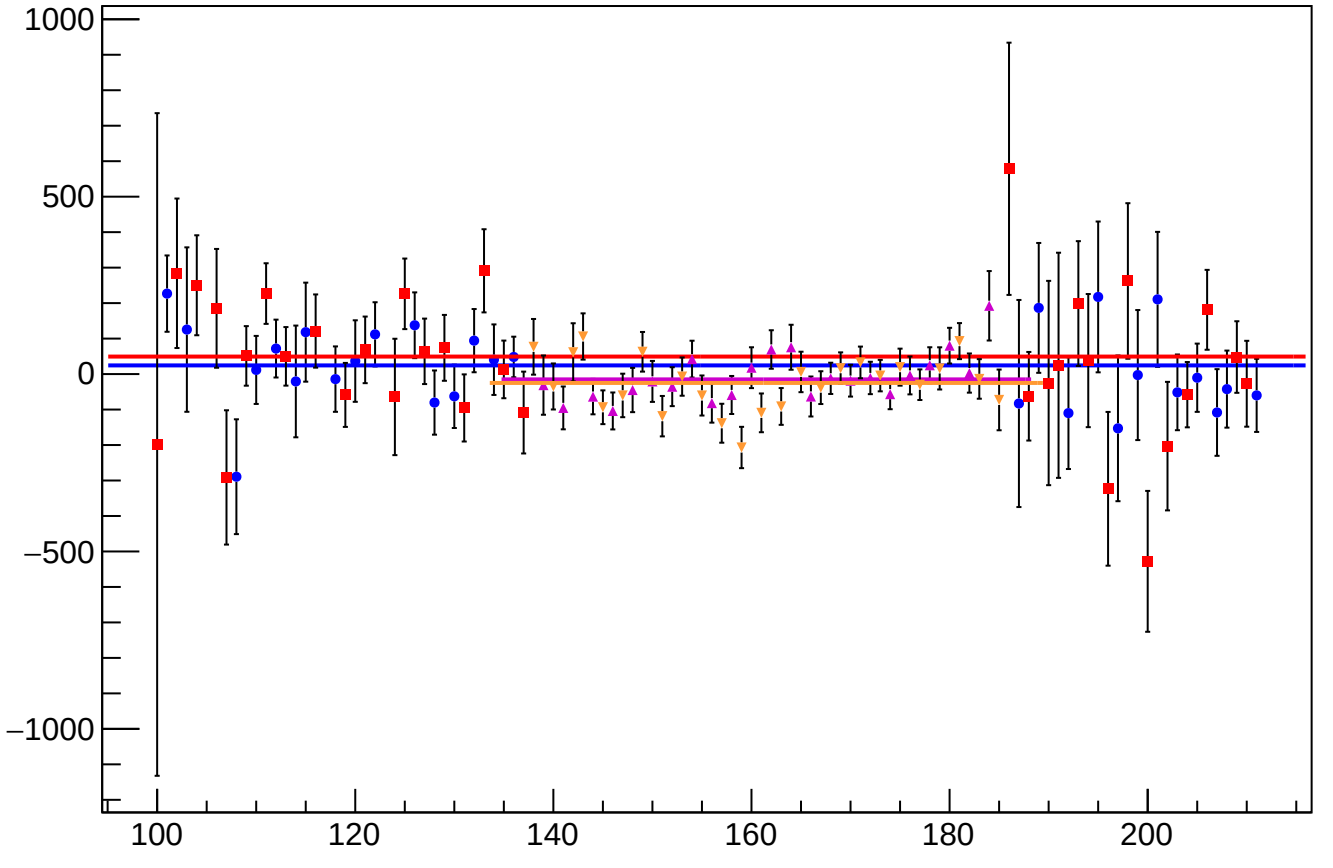
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 738.787+/-0.094 χ^2/NDF: 6469821.9/60

In: 303.923+/-0.042 χ^2/NDF:16666146.0/50

Out: 311.271+/-0.042 χ^2/NDF:18789177.1/57

All: 307.615+/-0.030 χ^2/NDF: 35470676.3/10



Right In: 24.417+/-20.701 χ^2/NDF: 21.2/27

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.328+/-20.882 χ^2/NDF: 47.2/32

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

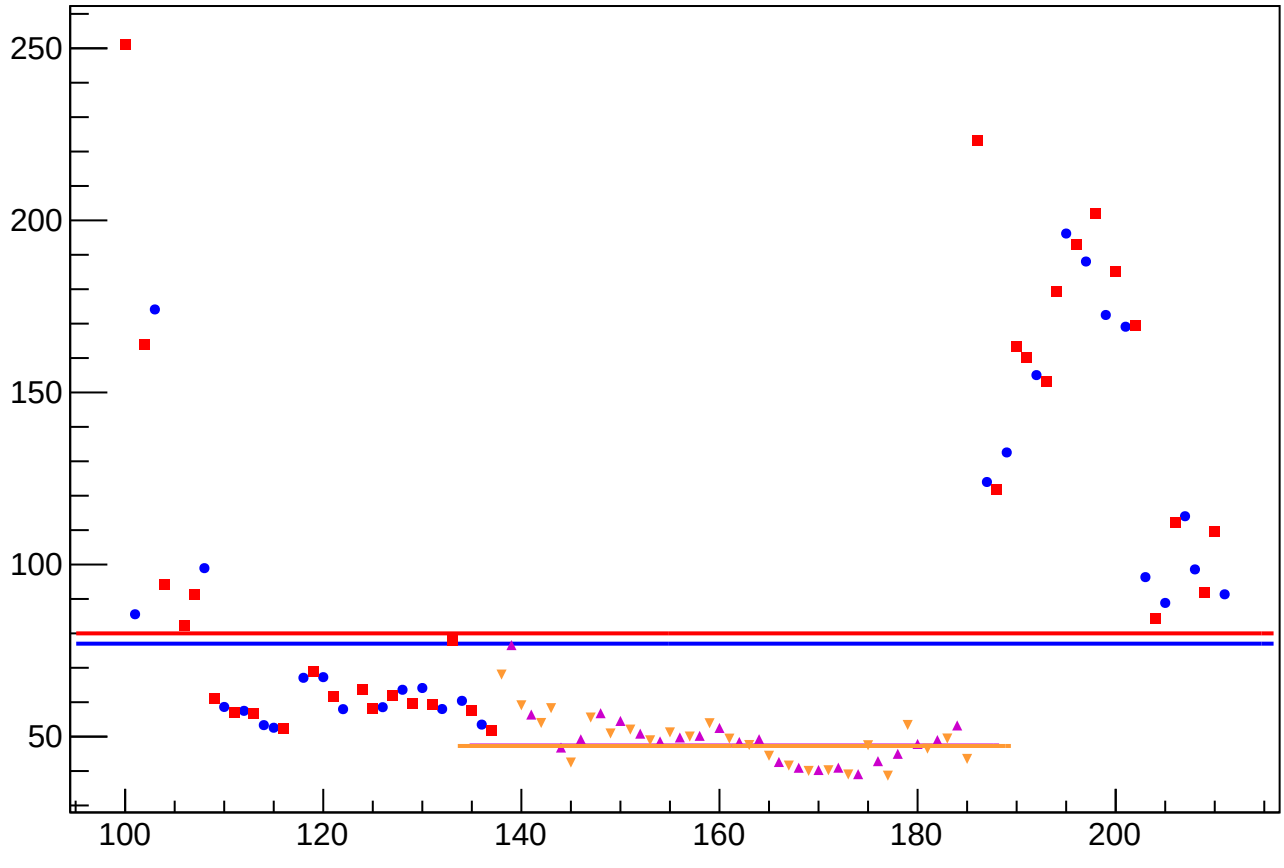
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 36.764+/-14.701 χ^2/NDF: 69.1/60

In: -6.046+/-9.863 χ^2/NDF:48.7/50

Out: -9.101+/-9.654 χ^2/NDF:100.2/57

All: -7.606+/-6.899 χ^2/NDF: 149.0/108



Right In: 77.010+/-0.015 χ^2/NDF: 4819794.4/27

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 79.999+/-0.015 χ^2/NDF: 6000169.0/32

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

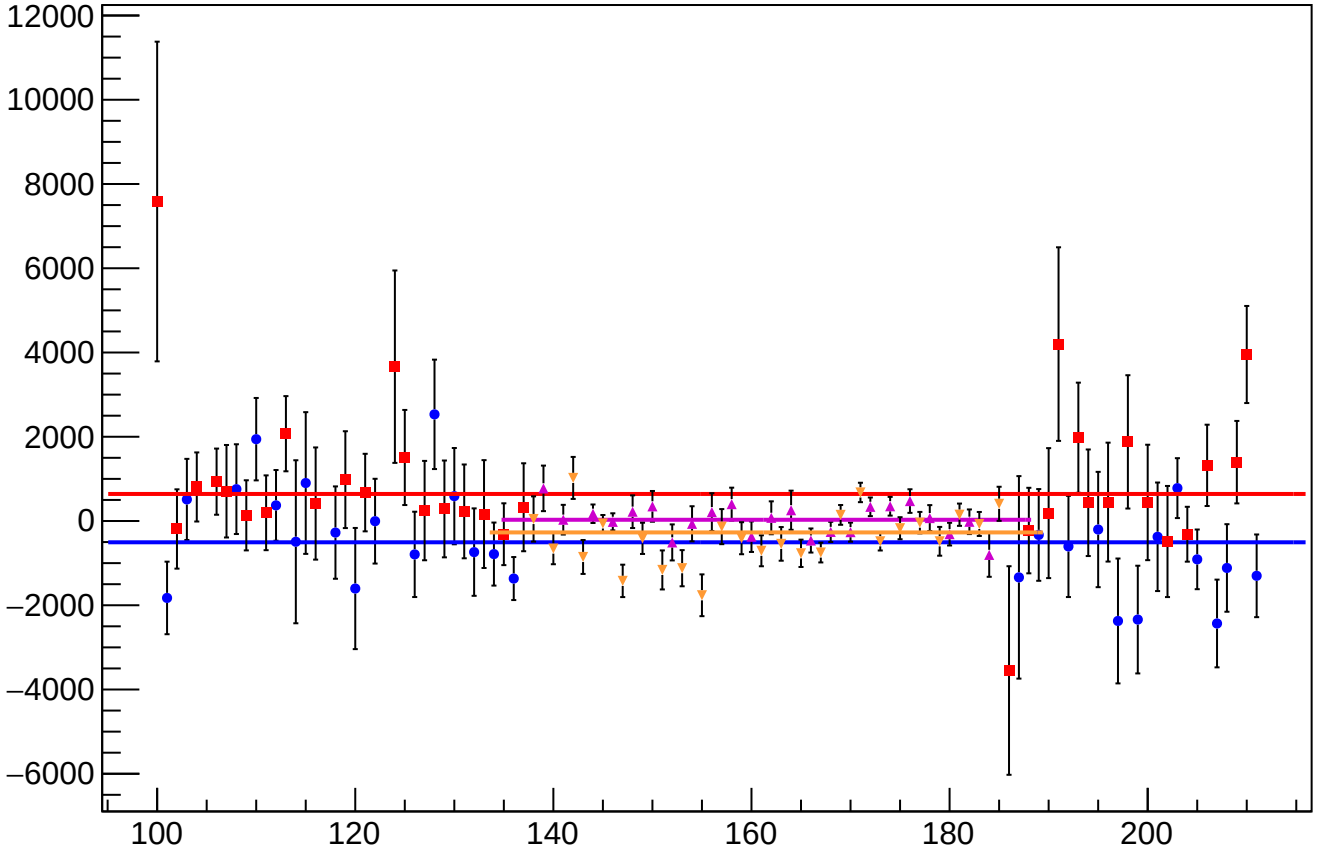
Right: 78.492+/-0.010 χ^2/NDF: 10840631.3/60

In: 54.141+/-0.007 χ^2/NDF:8633352.7/50

Out: 54.276+/-0.007 χ^2/NDF:10577196.7/57

All: 54.210+/-0.005 χ^2/NDF: 19210741.1/108

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -505.278+/-187.803 χ^2/NDF: 35.2/27

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 642.078+/-187.513 χ^2/NDF: 32.3/32

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

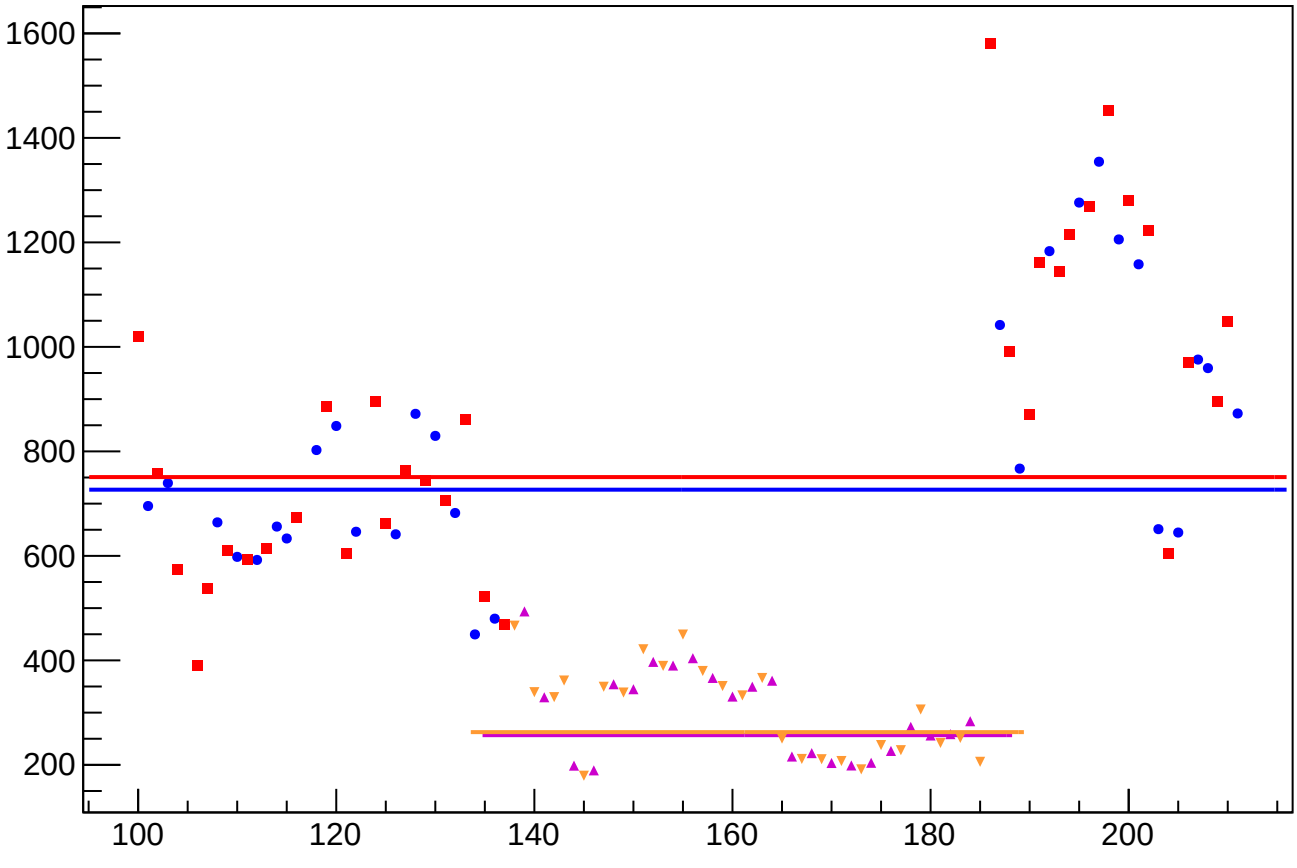
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 69.287+/-132.694 χ^2/NDF: 86.1/60

In: -24.353+/-59.448 χ^2/NDF:66.9/50

Out: -180.132+/-59.161 χ^2/NDF:127.5/57

All: -102.619+/-41.934 χ^2/NDF: 197.8/108



Right In: 726.708+/-0.133 χ^2/NDF: 2762326.8/27

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 750.829+/-0.133 χ^2/NDF: 3690973.4/32

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

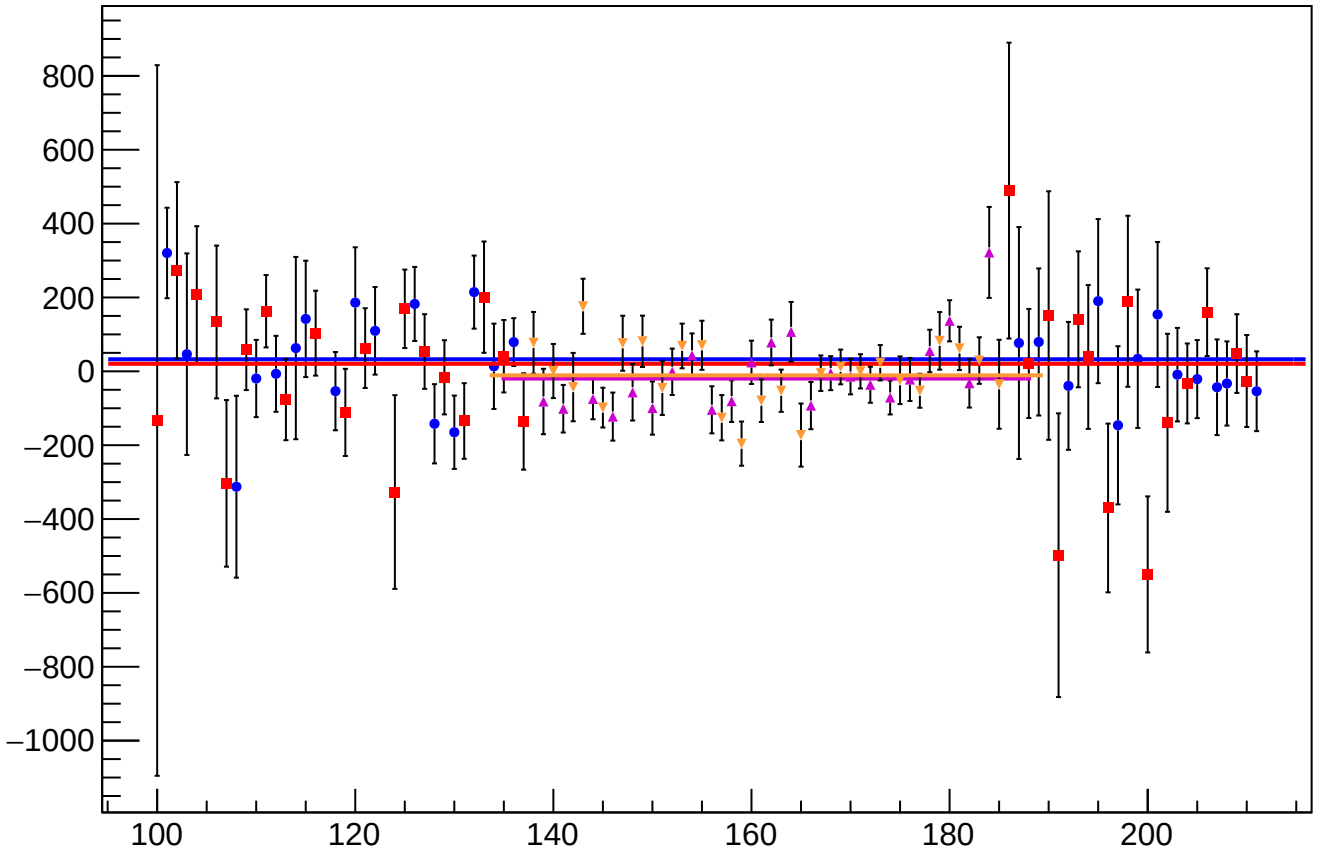
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 738.787+/-0.094 χ^2/NDF: 6469821.9/60

In: 303.923+/-0.042 χ^2/NDF:16666146.0/50

Out: 311.271+/-0.042 χ^2/NDF:18789177.1/57

All: 307.615+/-0.030 χ^2/NDF: 35470676.3/10



Right In: 32.651+/-23.659 χ^2/NDF: 26.8/27

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.360+/-24.209 χ^2/NDF: 35.4/32

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

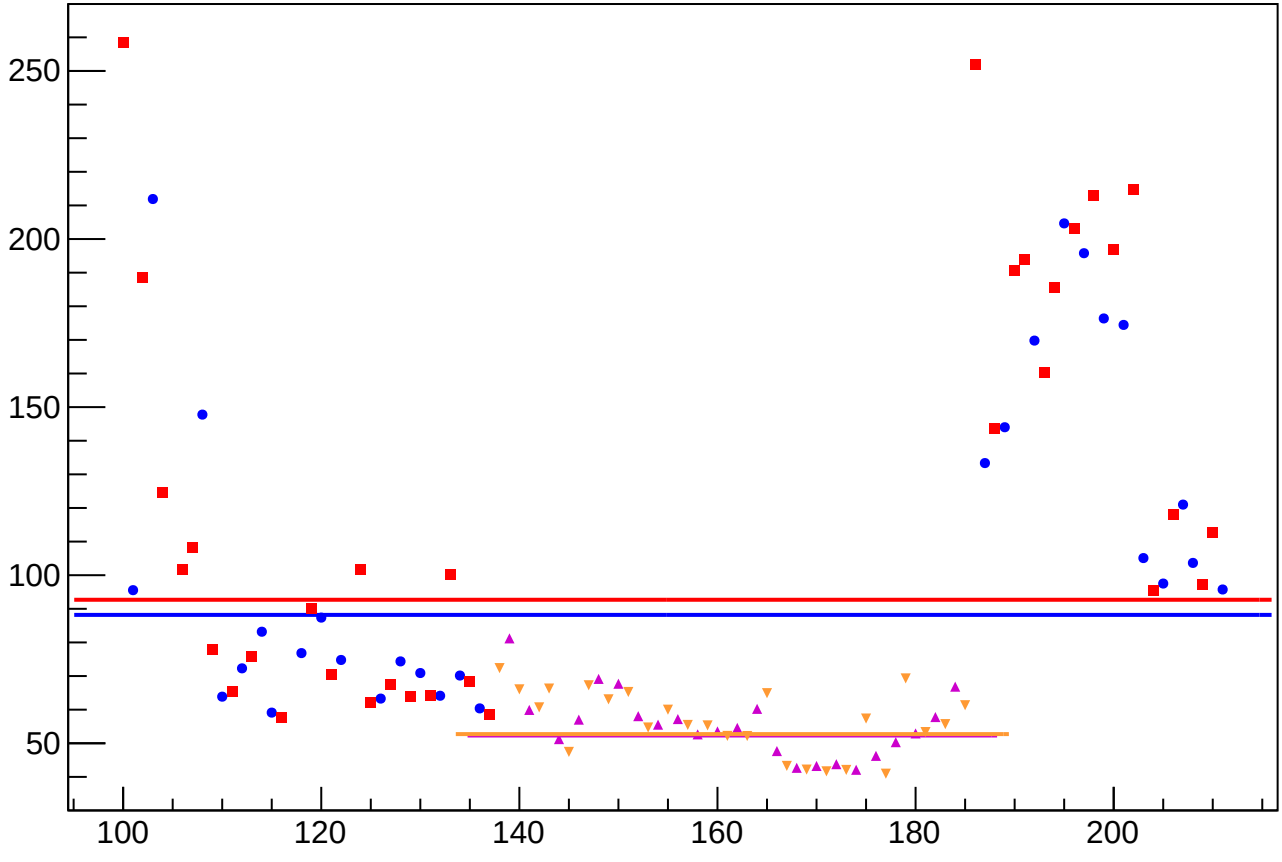
Right: 26.646+/-16.921 χ^2/NDF: 62.3/60

In: -8.130+/-11.084 χ^2/NDF:67.4/50

Out: -4.420+/-10.970 χ^2/NDF:77.1/57

All: -6.256+/-7.797 χ^2/NDF: 144.5/108

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 88.192+/-0.017 χ^2/NDF: 4314419.6/27

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 92.694+/-0.017 χ^2/NDF: 5586045.4/32

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

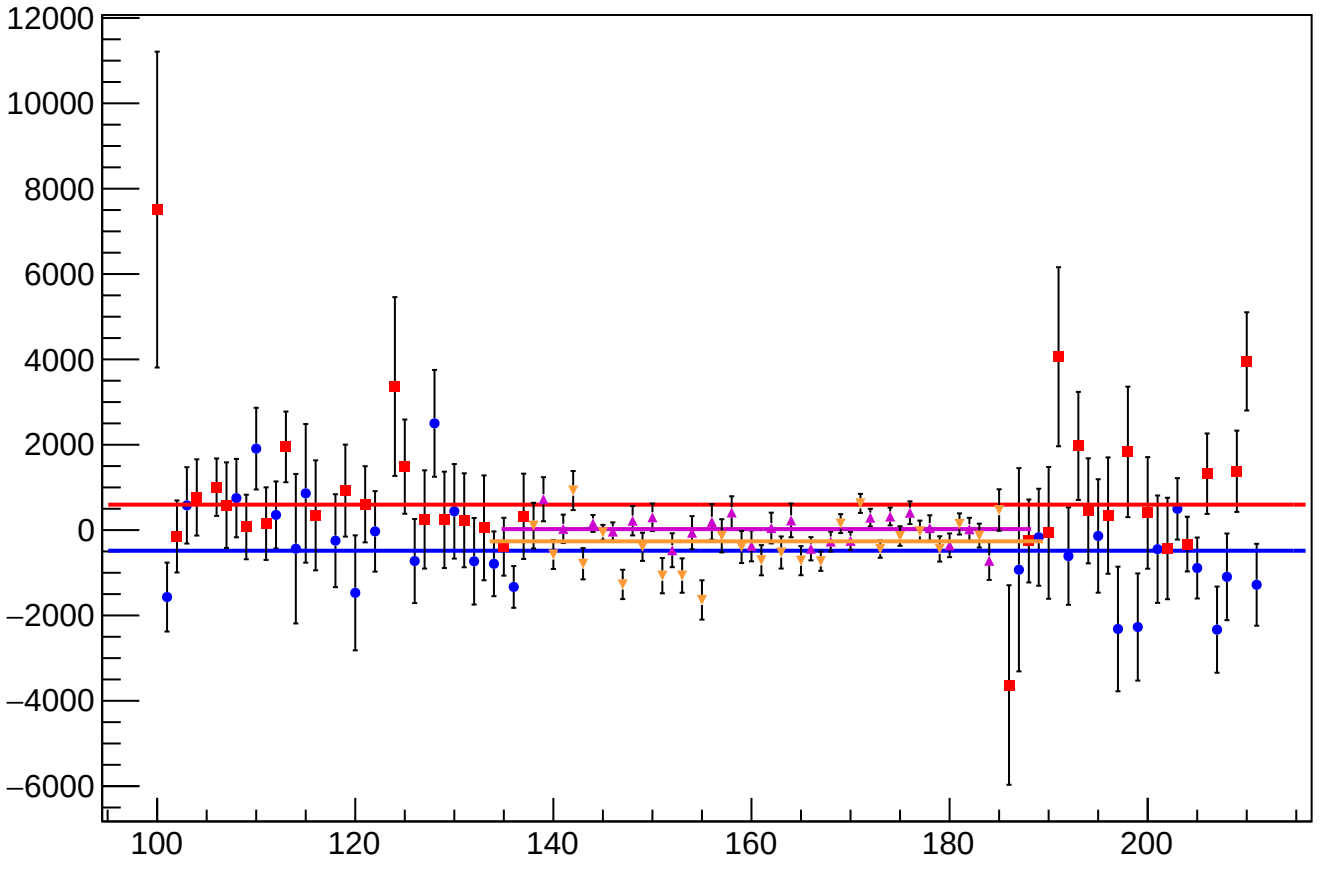
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 90.391+/-0.012 χ^2/NDF: 9935832.3/60

In: 60.188+/-0.008 χ^2/NDF:8796176.1/50

Out: 60.937+/-0.008 χ^2/NDF:11084142.4/57

All: 60.566+/-0.006 χ^2/NDF: 19884929.7/108



Right In: -483.345+/-181.918 χ^2/NDF: 34.0/27

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 596.347+/-178.631 χ^2/NDF: 34.8/32

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

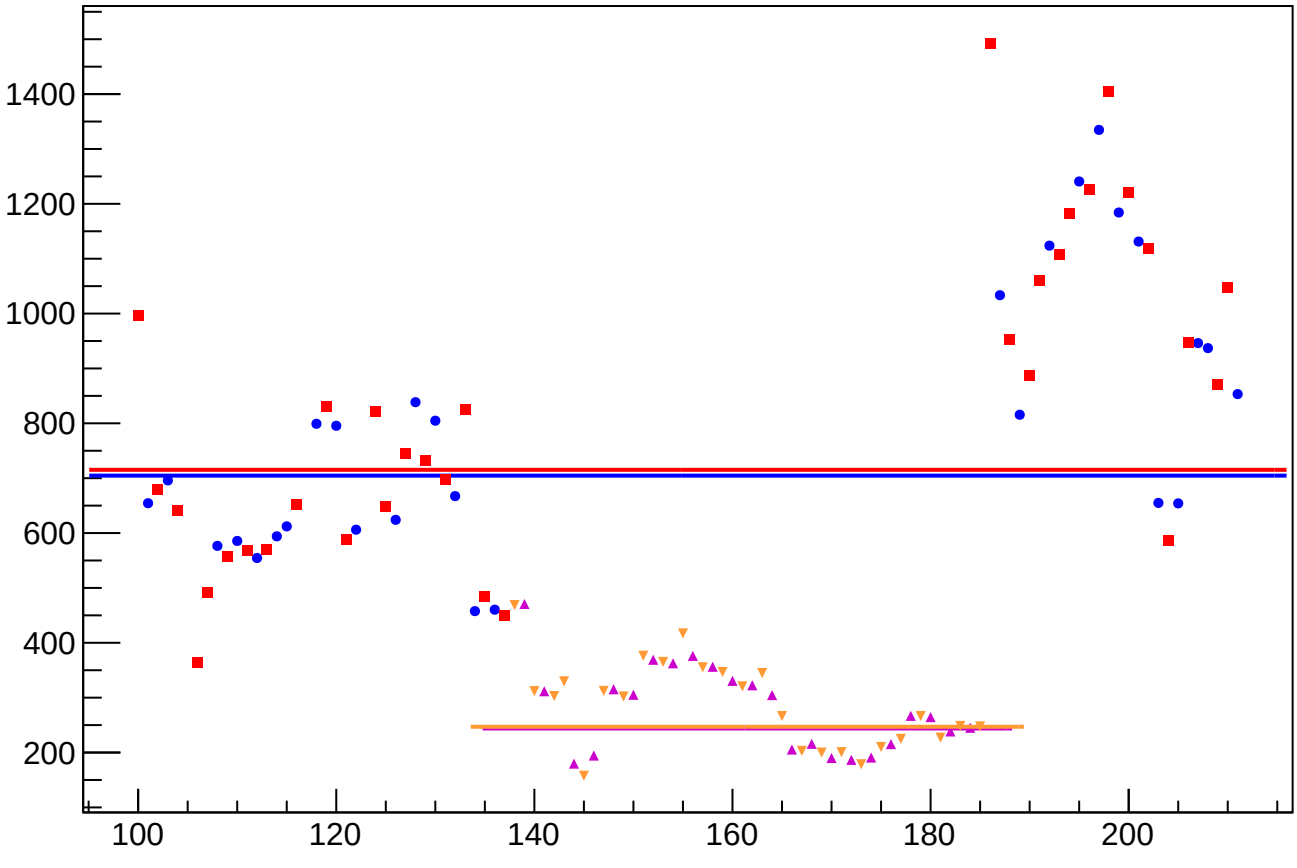
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 66.345+/-127.458 χ^2/NDF: 86.7/60

In: -25.354+/-56.463 χ^2/NDF:65.2/50

Out: -179.382+/-55.595 χ^2/NDF:127.9/57

All: -103.561+/-39.615 χ^2/NDF: 196.8/108



Right In: 704.677+/-0.129 χ^2/NDF: 2810011.7/27

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 715.251+/-0.126 χ^2/NDF: 3895809.8/32

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

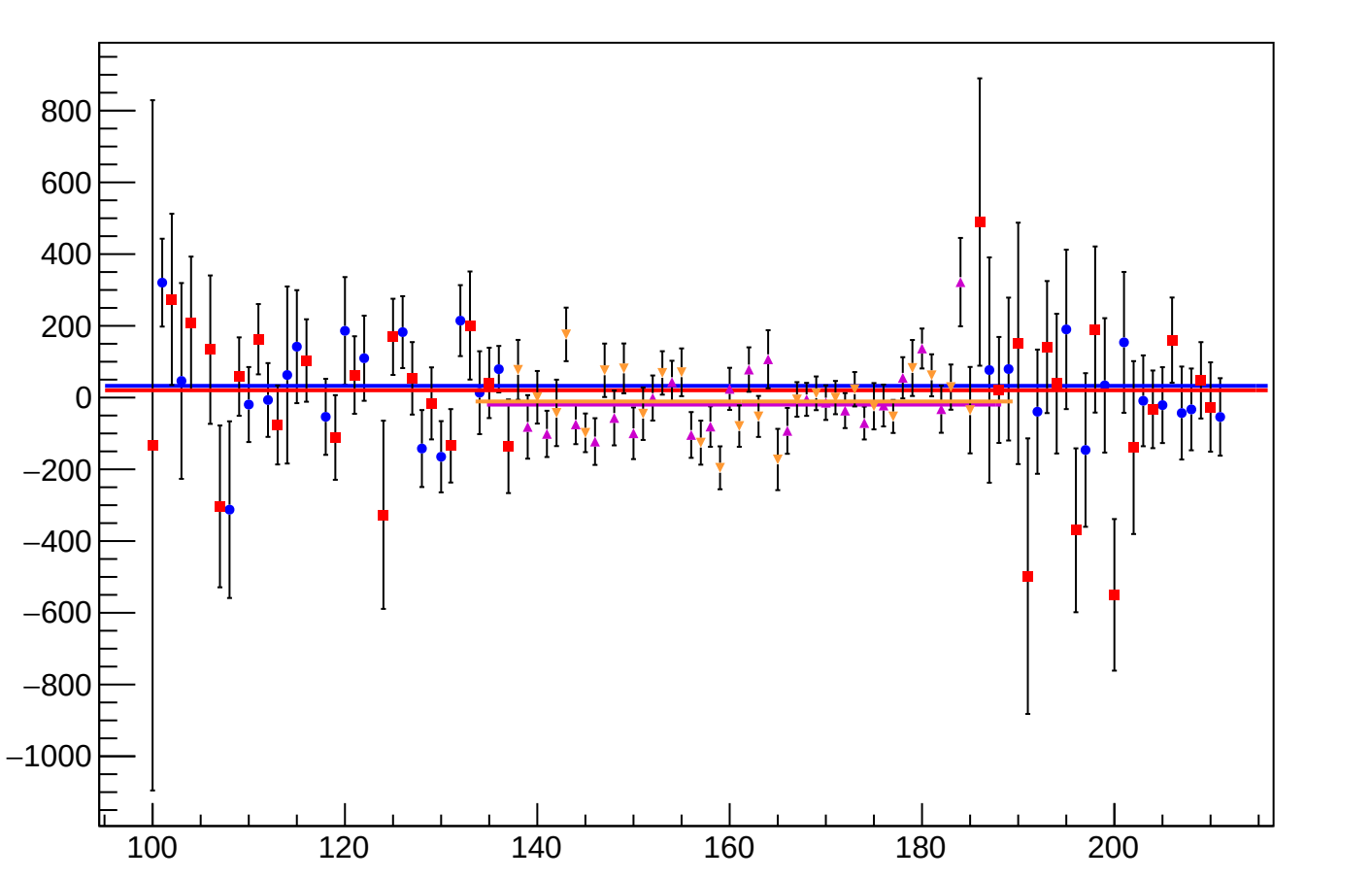
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 710.060+/-0.090 χ^2/NDF: 6709261.6/60

In: 288.221+/-0.040 χ^2/NDF:16899197.8/50

Out: 292.353+/-0.039 χ^2/NDF:19233312.1/57

All: 290.319+/-0.028 χ^2/NDF: 36137948.3/10



Right In: 32.651+/-23.659 χ^2/NDF: 26.8/27

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.359+/-24.209 χ^2/NDF: 35.4/32

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

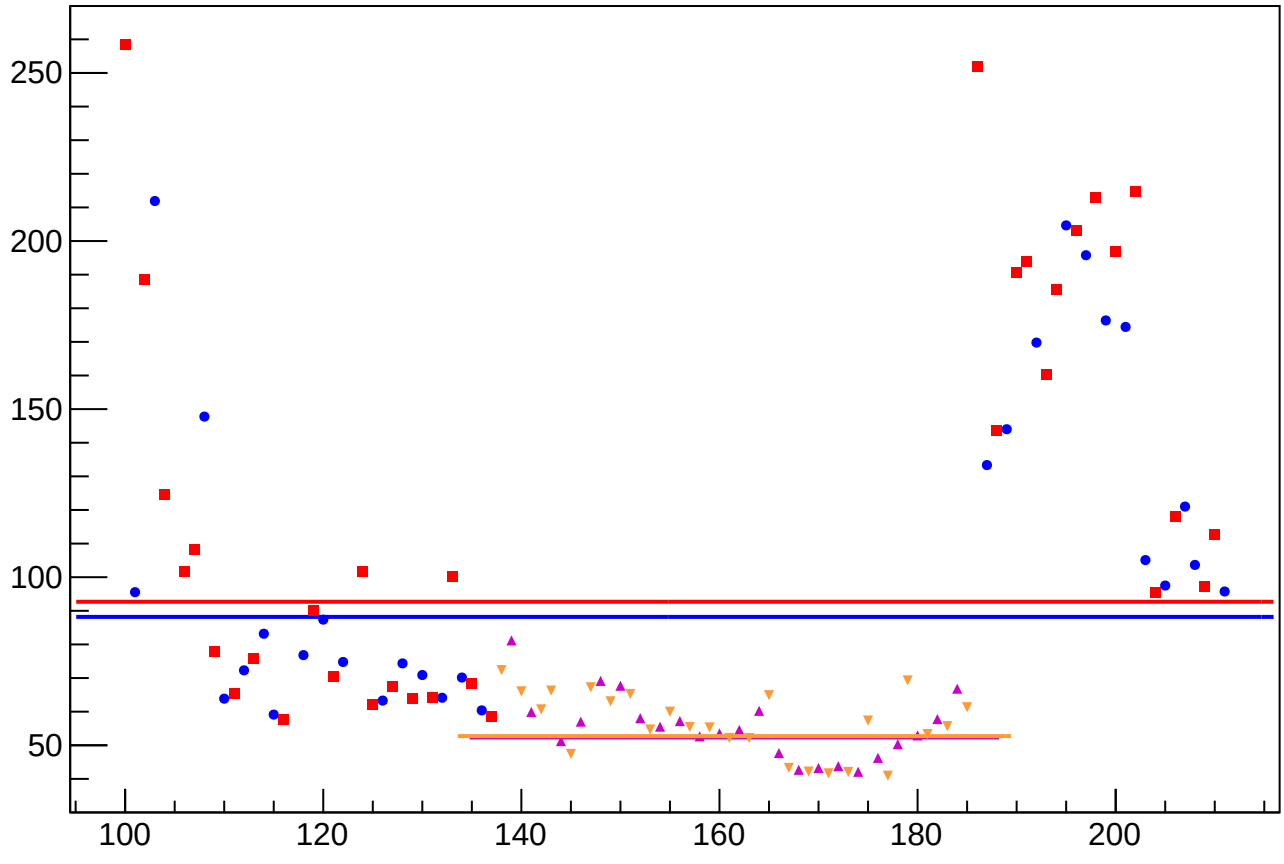
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 26.646+/-16.921 χ^2/NDF: 62.3/60

In: -8.131+/-11.084 χ^2/NDF:67.4/50

Out: -4.419+/-10.970 χ^2/NDF:77.1/57

All: -6.256+/-7.797 χ^2/NDF: 144.5/108



Right In: 88.192+/-0.017 χ^2/NDF: 4314444.0/27

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 92.694+/-0.017 χ^2/NDF: 5586046.9/32

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

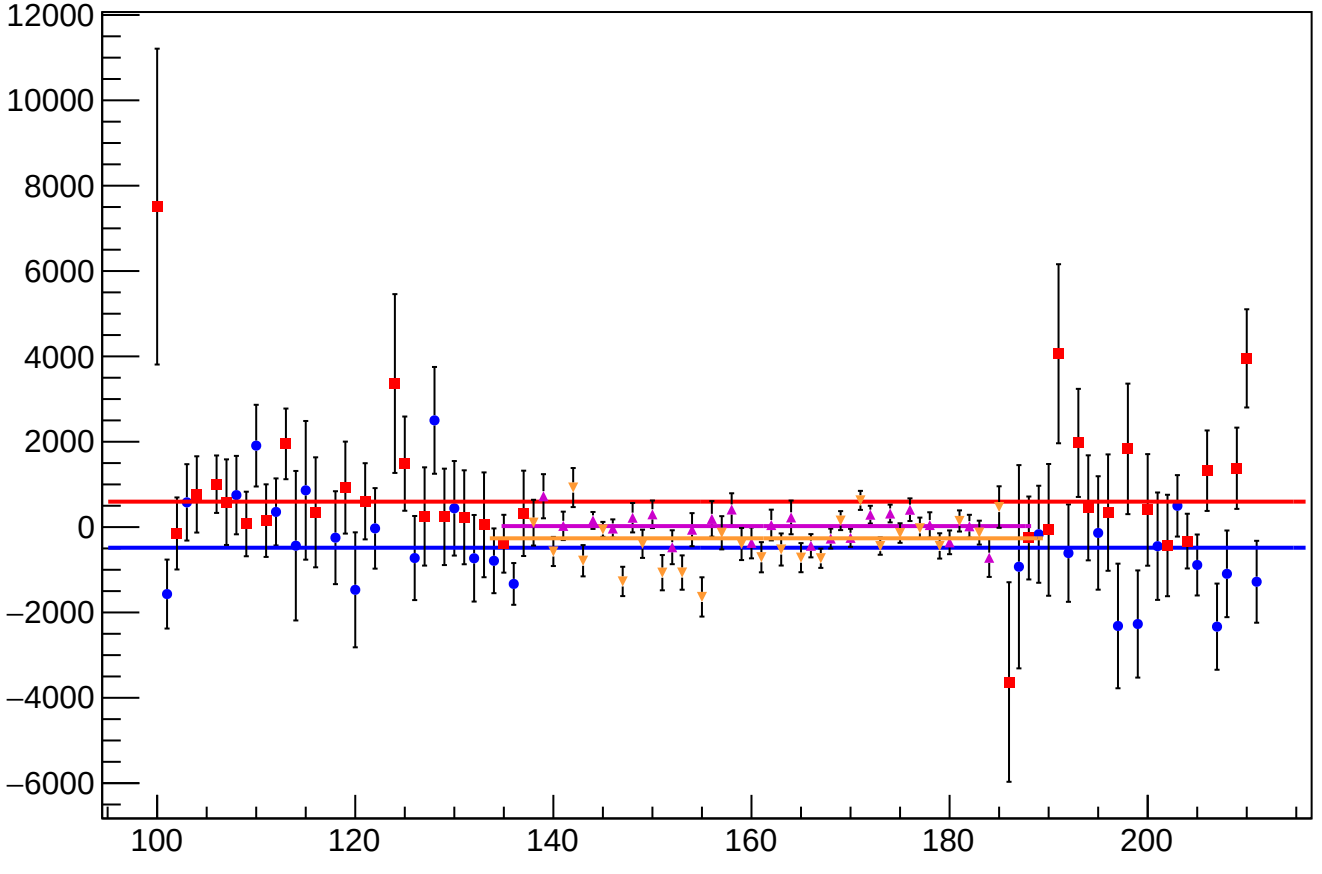
Right: 90.391+/-0.012 χ^2/NDF: 9935859.3/60

In: 60.188+/-0.008 χ^2/NDF:8796172.3/50

Out: 60.937+/-0.008 χ^2/NDF:11084140.7/57

All: 60.566+/-0.006 χ^2/NDF: 19884924.4/108

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -483.345+/-181.918 χ^2/NDF: 34.0/27

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 596.347+/-178.631 χ^2/NDF: 34.8/32

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

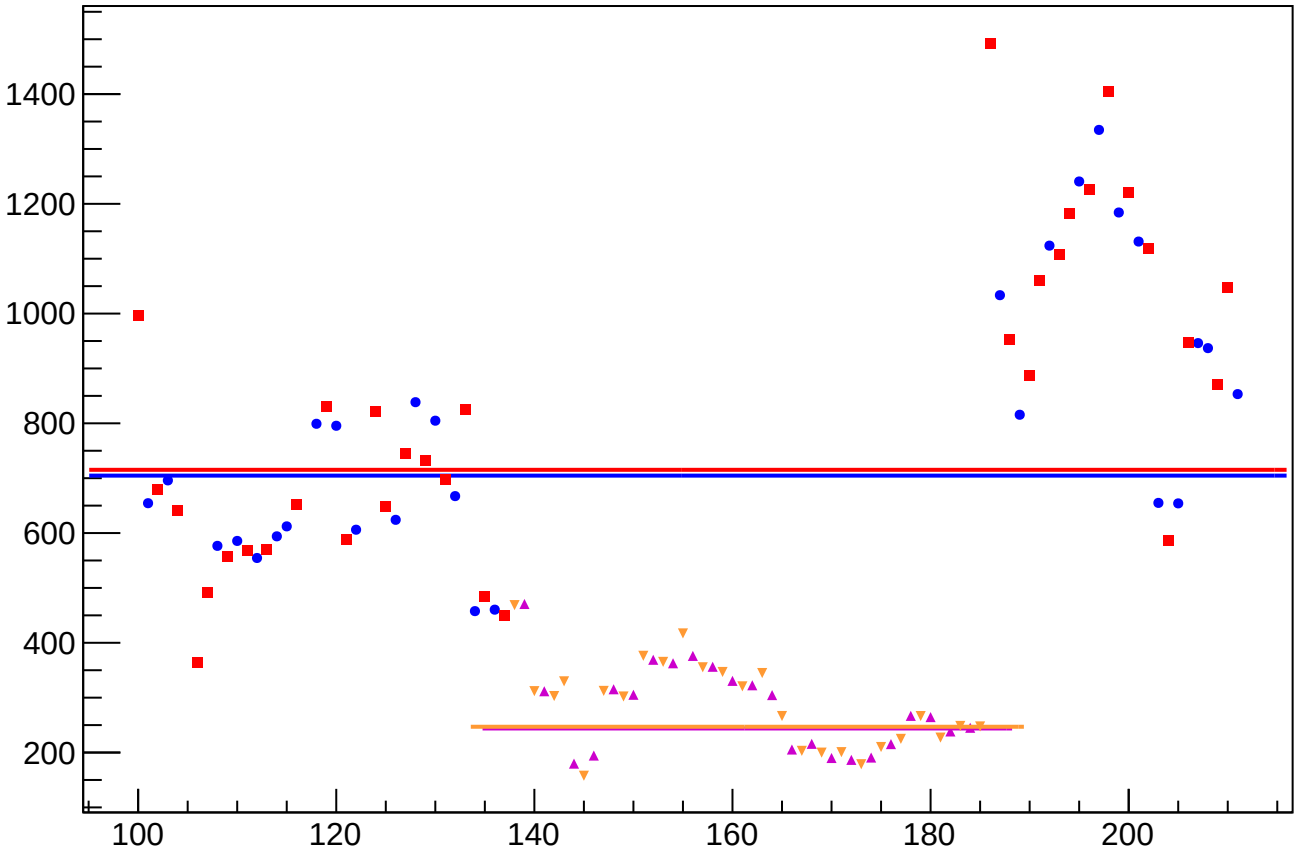
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 66.345+/-127.457 χ^2/NDF: 86.7/60

In: -25.354+/-56.463 χ^2/NDF:65.2/50

Out: -179.382+/-55.595 χ^2/NDF:127.9/57

All: -103.561+/-39.615 χ^2/NDF: 196.8/108



Right In: 704.677+/-0.129 χ^2/NDF: 2809998.4/27

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 715.250+/-0.126 χ^2/NDF: 3895801.9/32

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

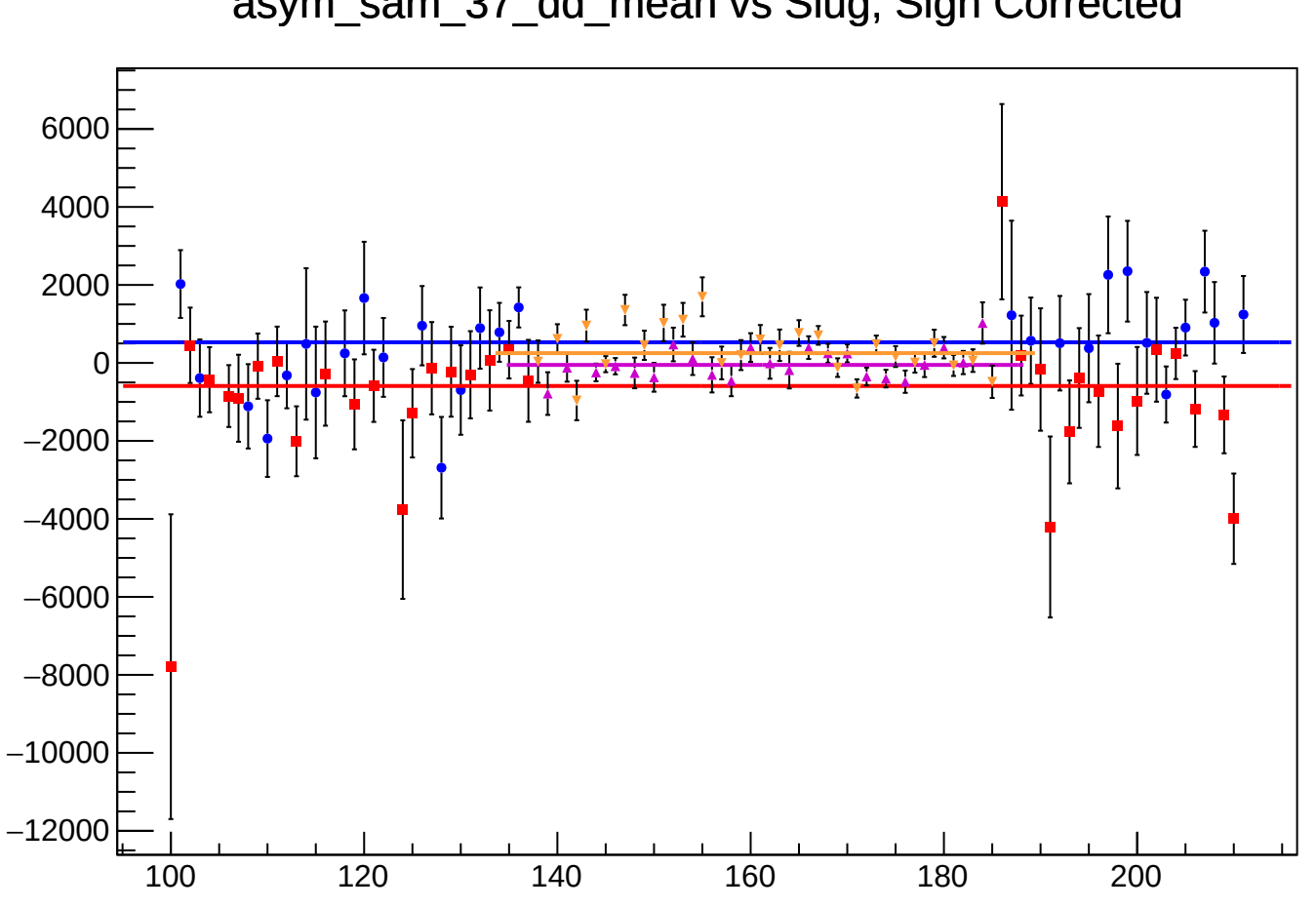
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 710.060+/-0.090 χ^2/NDF: 6709239.9/60

In: 288.220+/-0.040 χ^2/NDF:16899200.2/50

Out: 292.353+/-0.039 χ^2/NDF:19233293.6/57

All: 290.318+/-0.028 χ^2/NDF: 36137932.6/10



Right In: 529.495+/-189.412 χ^2/NDF: 36.4/27

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -591.143+/-189.148 χ^2/NDF: 32.5/32

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

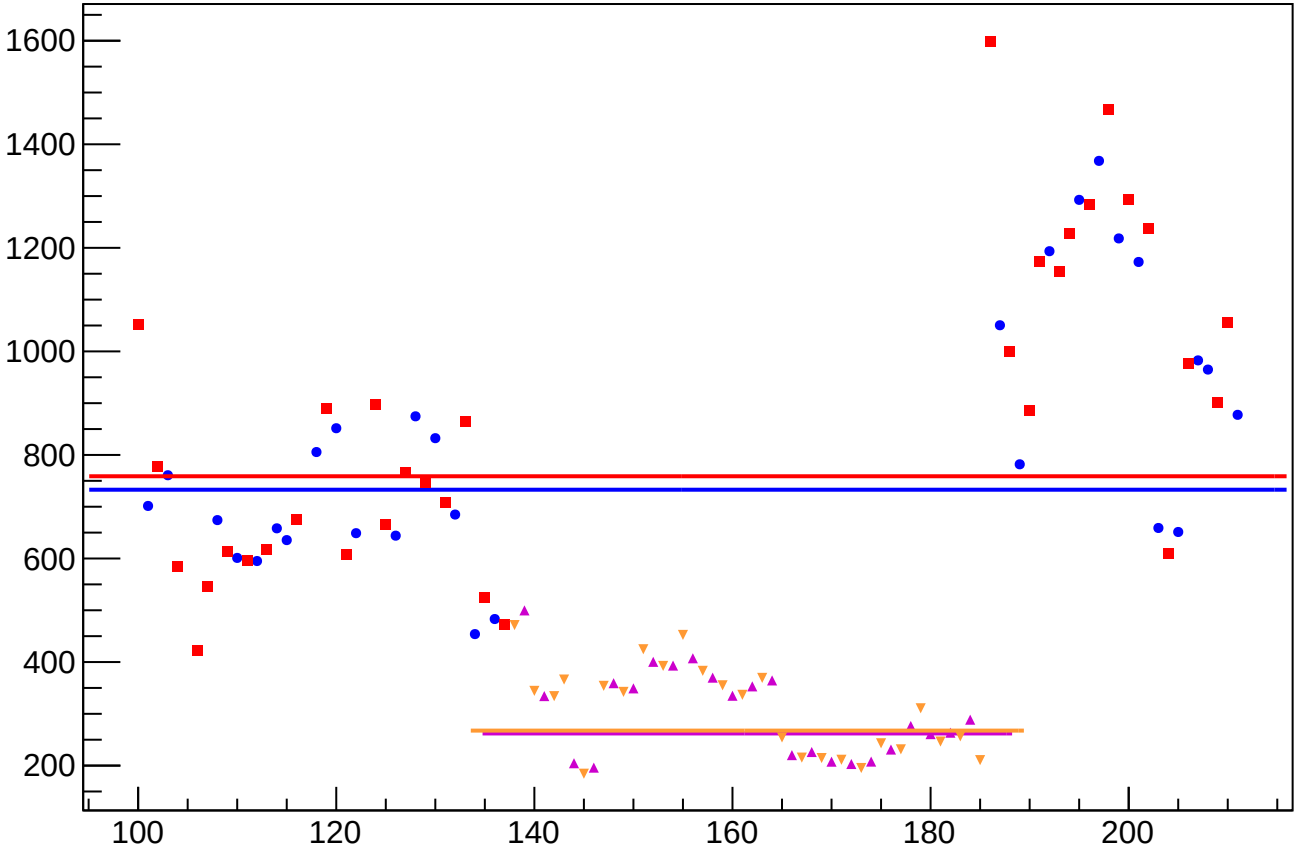
Right: -31.604+/-133.841 χ^2/NDF: 86.4/60

In: 7.587+/-60.499 χ^2/NDF:71.7/50

Out: 165.983+/-60.133 χ^2/NDF:117.8/57

All: 87.265+/-42.649 χ^2/NDF: 193.0/108

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 732.839+/-0.134 χ^2/NDF: 2773322.9/27

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 758.832+/-0.134 χ^2/NDF: 3637846.1/32

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

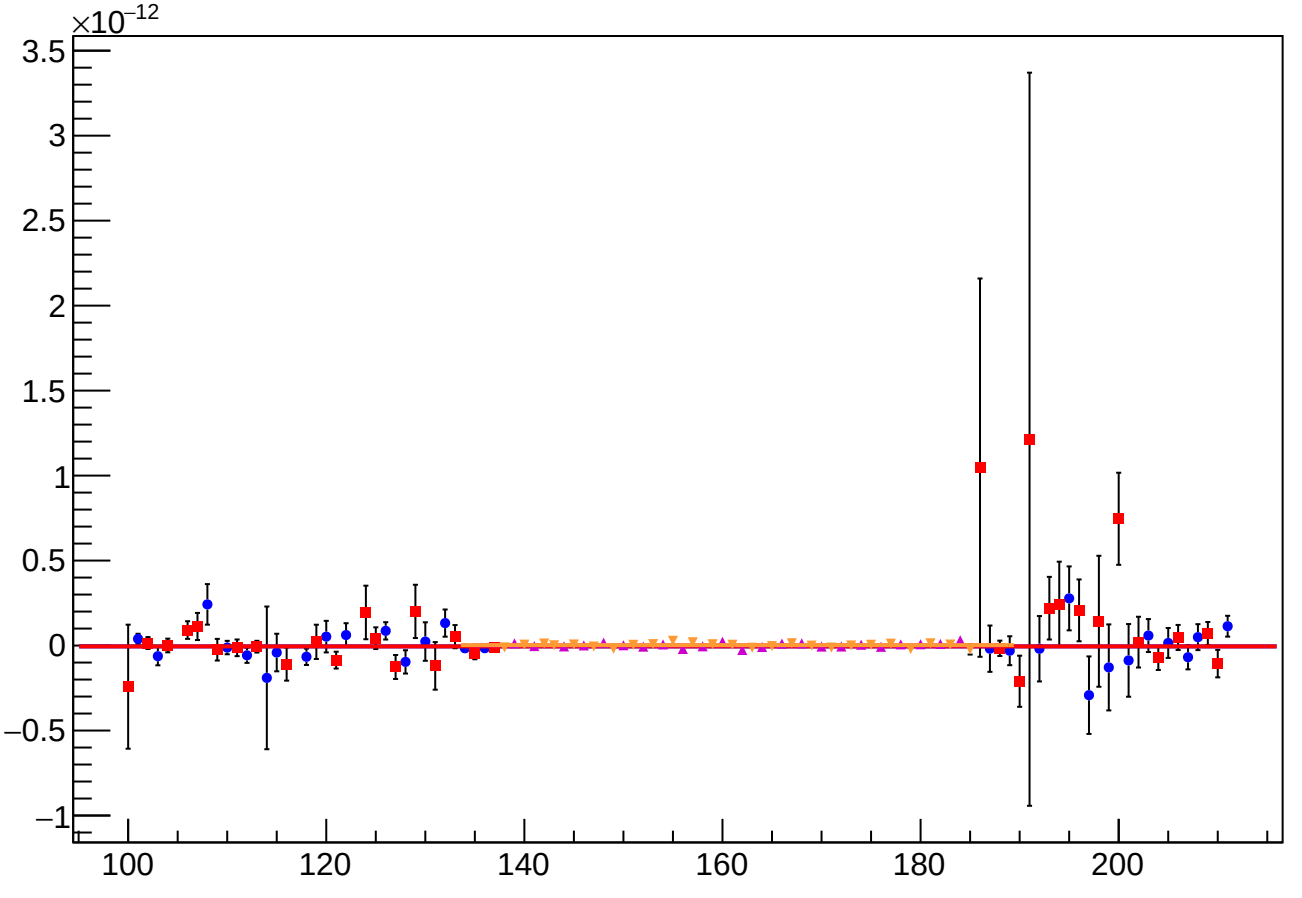
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 745.853+/-0.095 χ^2/NDF: 6430027.6/60

In: 310.117+/-0.043 χ^2/NDF:16404001.0/50

Out: 317.239+/-0.043 χ^2/NDF:18566058.4/57

All: 313.700+/-0.030 χ^2/NDF: 34984000.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/32

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

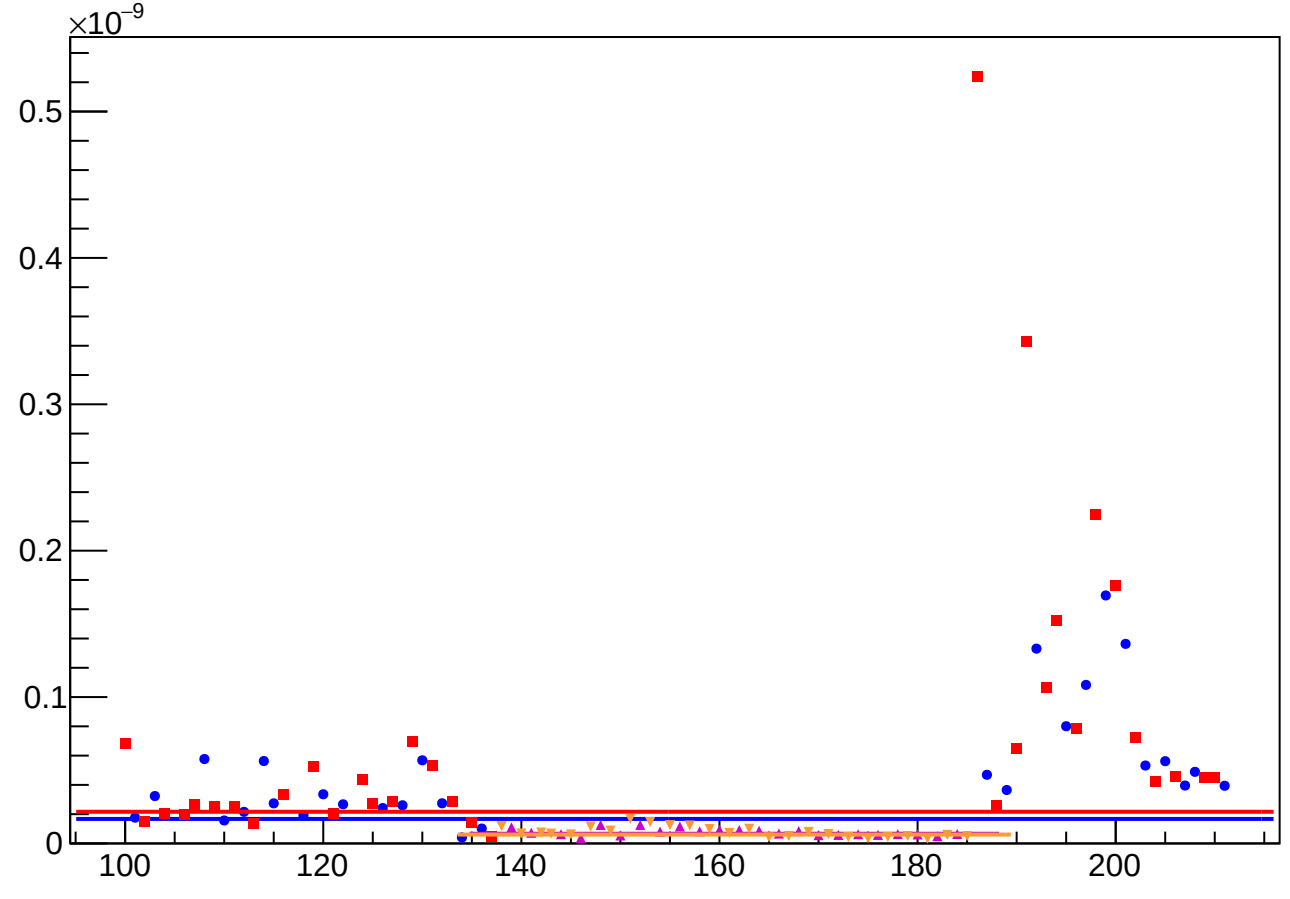
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 70.0/60

In: 0.000+/-0.000 χ^2/NDF:43.6/50

Out: 0.000+/-0.000 χ^2/NDF:54.8/57

All: 0.000+/-0.000 χ^2/NDF: 98.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 6735481.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5976329.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

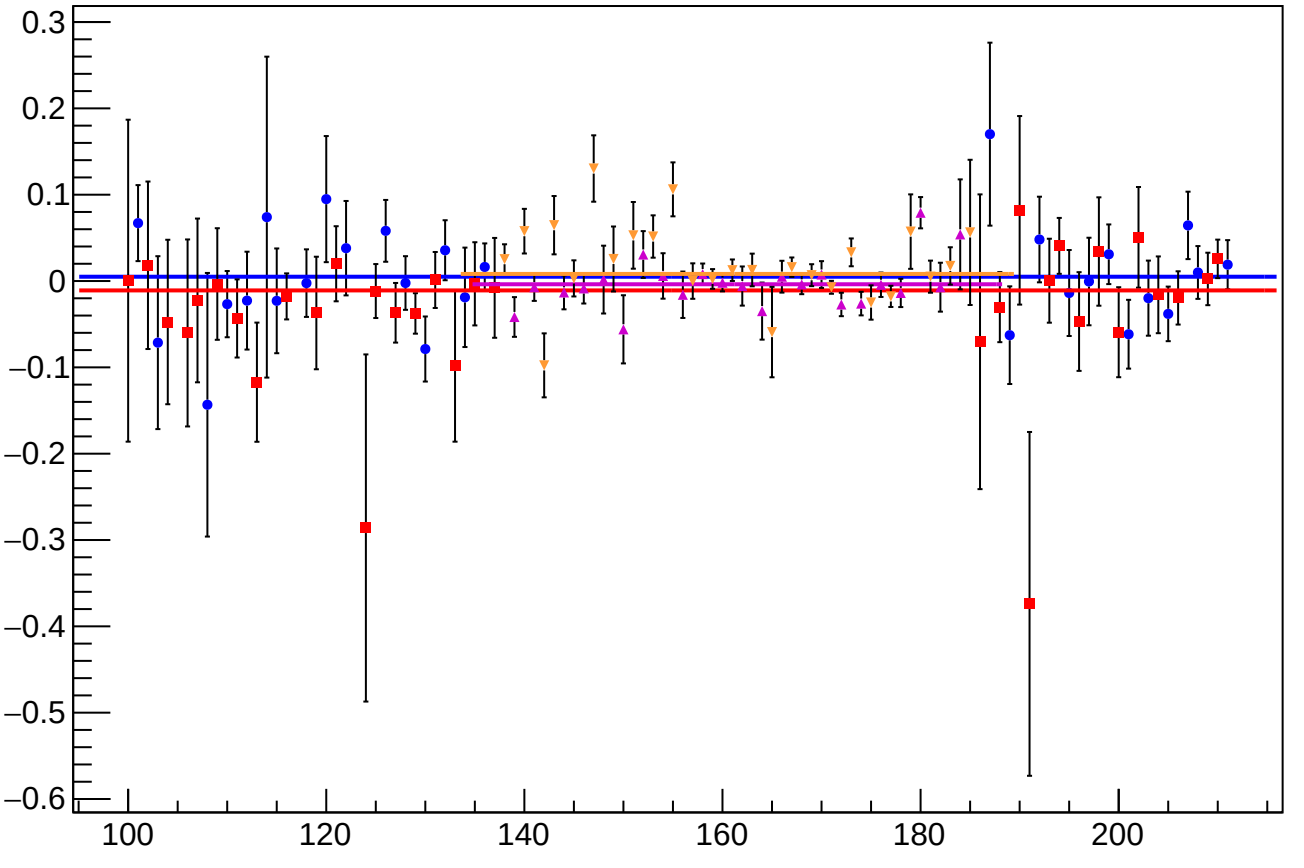
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12962581.6/60

In: 0.000+/-0.000 χ^2/NDF:10273911.9/50

Out: 0.000+/-0.000 χ^2/NDF:12508277.8/57

All: 0.000+/-0.000 χ^2/NDF: 22839485.3/108



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 21.8/32

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

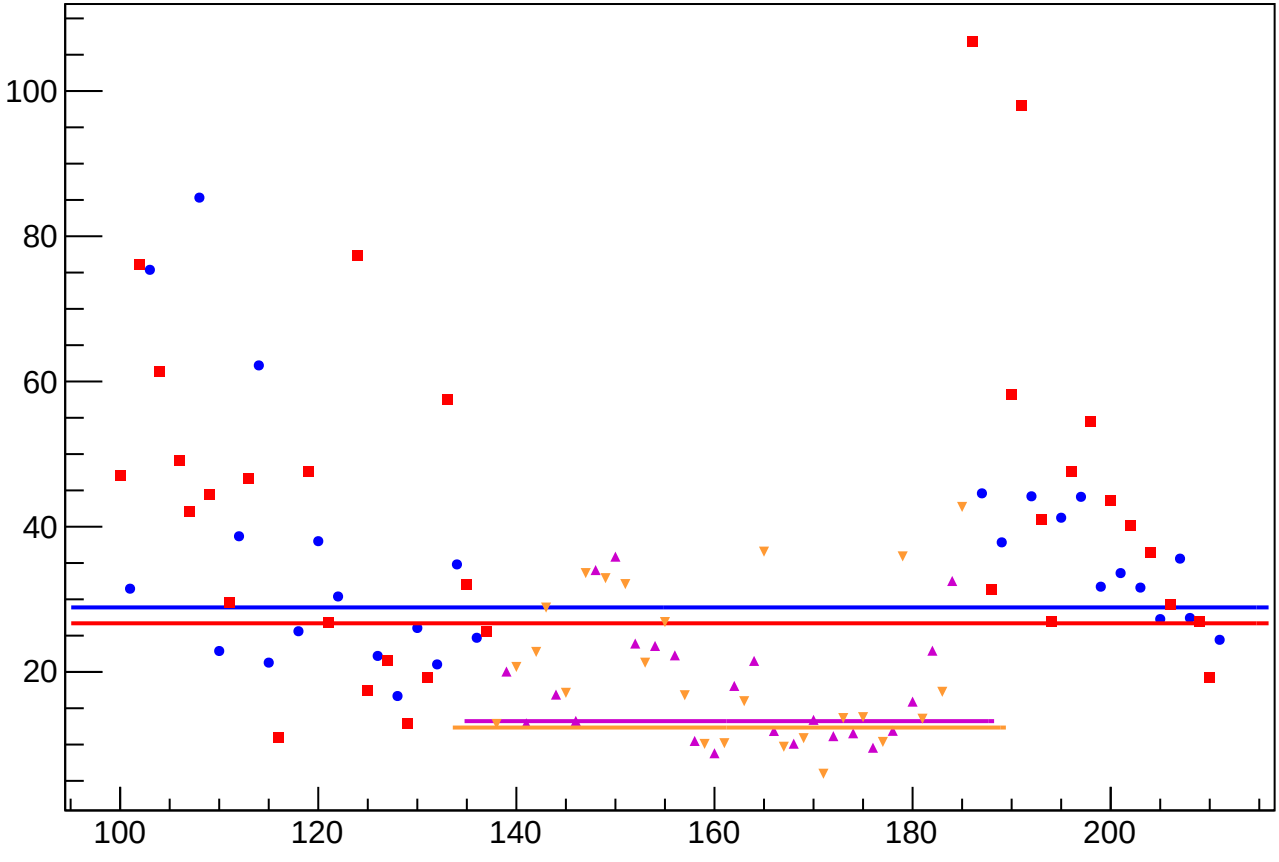
Right: -0.003+/-0.006 χ^2/NDF: 51.8/60

In: -0.002+/-0.003 χ^2/NDF:66.1/50

Out: 0.005+/-0.003 χ^2/NDF:85.8/57

All: 0.002+/-0.002 χ^2/NDF: 154.4/108

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.887+/-0.006 χ^2/NDF: 2277265.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.698+/-0.005 χ^2/NDF: 5965512.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

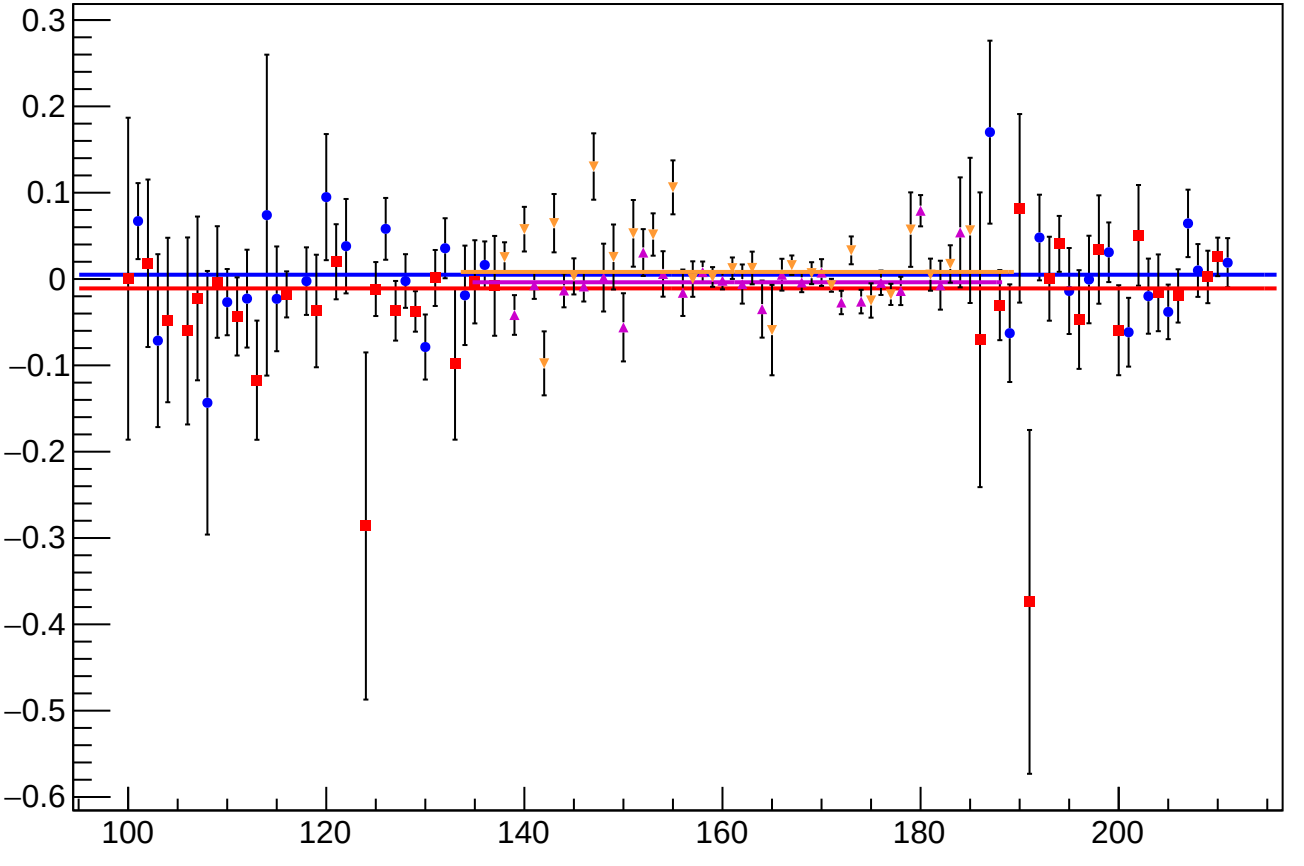
Right: 27.746+/-0.004 χ^2/NDF: 8321076.0/60

In: 15.910+/-0.002 χ^2/NDF:12518788.7/50

Out: 14.771+/-0.002 χ^2/NDF:18552790.4/57

All: 15.313+/-0.002 χ^2/NDF: 31196065.5/108

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 21.8/32

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

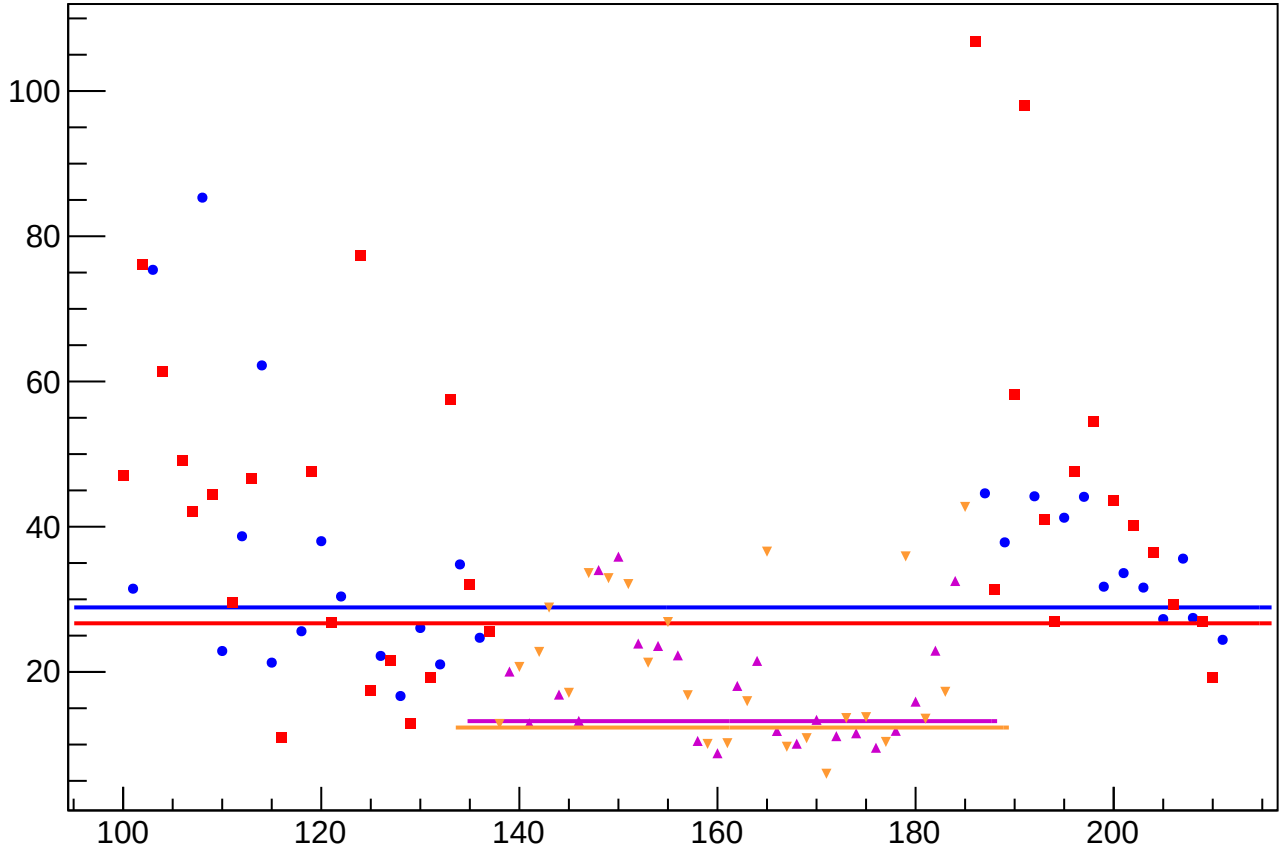
Right: -0.003+/-0.006 χ^2/NDF: 51.8/60

In: -0.002+/-0.003 χ^2/NDF:66.1/50

Out: 0.005+/-0.003 χ^2/NDF:85.8/57

All: 0.002+/-0.002 χ^2/NDF: 154.4/108

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.887+/-0.006 χ^2/NDF: 2277265.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.698+/-0.005 χ^2/NDF: 5965512.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

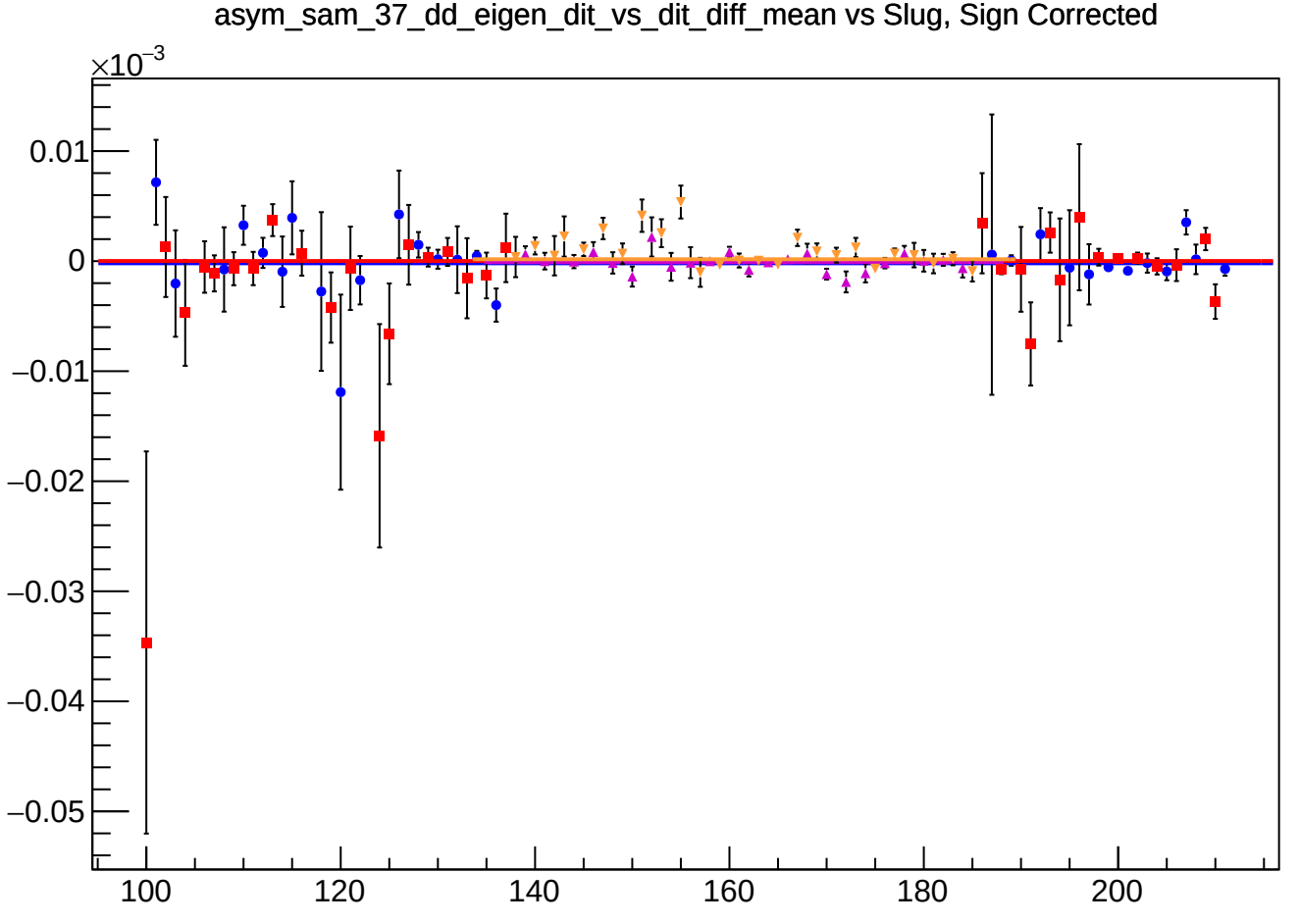
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.746+/-0.004 χ^2/NDF: 8321076.0/60

In: 15.910+/-0.002 χ^2/NDF:12518788.7/50

Out: 14.771+/-0.002 χ^2/NDF:18552790.4/57

All: 15.313+/-0.002 χ^2/NDF: 31196065.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 42.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/32

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

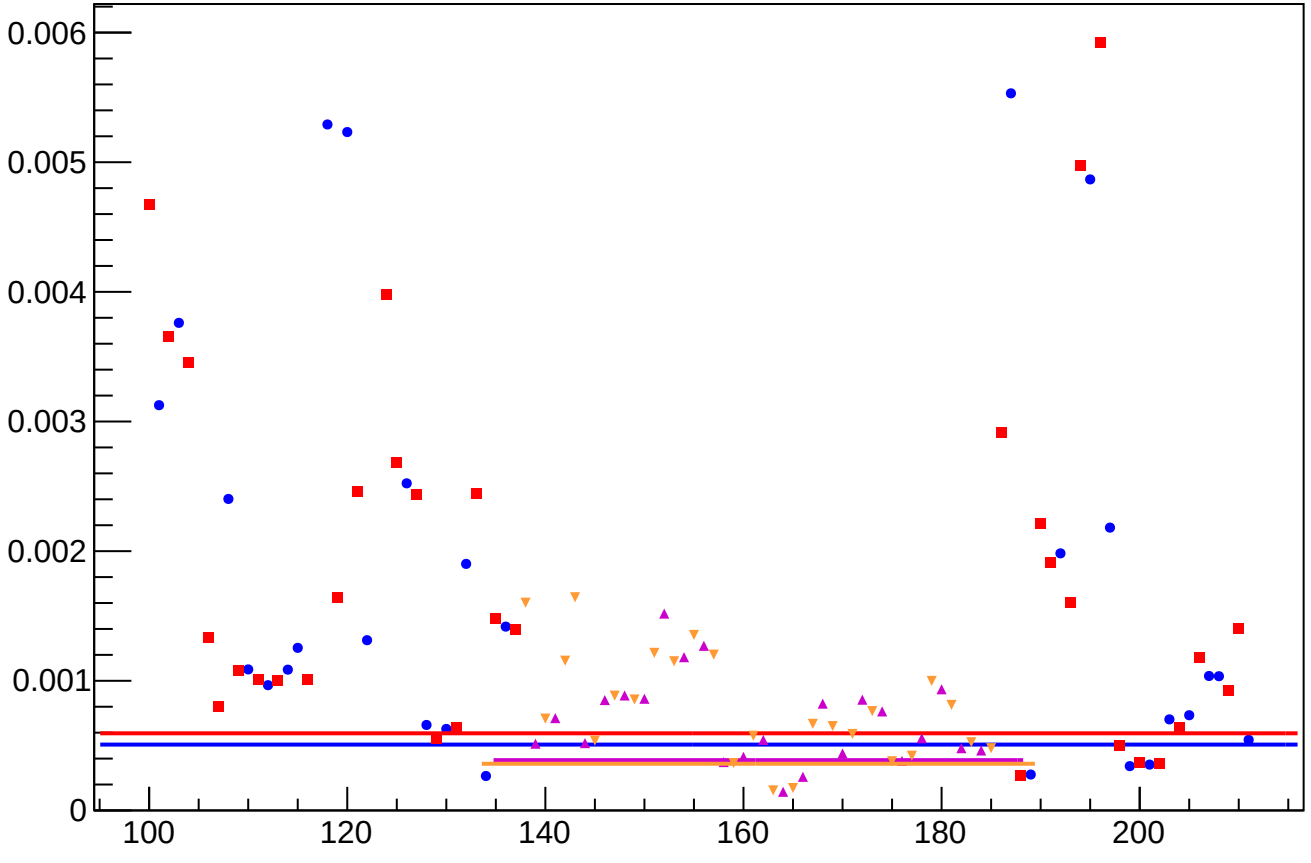
Right: -0.000+/-0.000 χ^2/NDF: 83.8/60

In: -0.000+/-0.000 χ^2/NDF:67.2/50

Out: 0.000+/-0.000 χ^2/NDF:102.7/57

All: 0.000+/-0.000 χ^2/NDF: 173.6/108

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12342548.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12821650.1/32

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

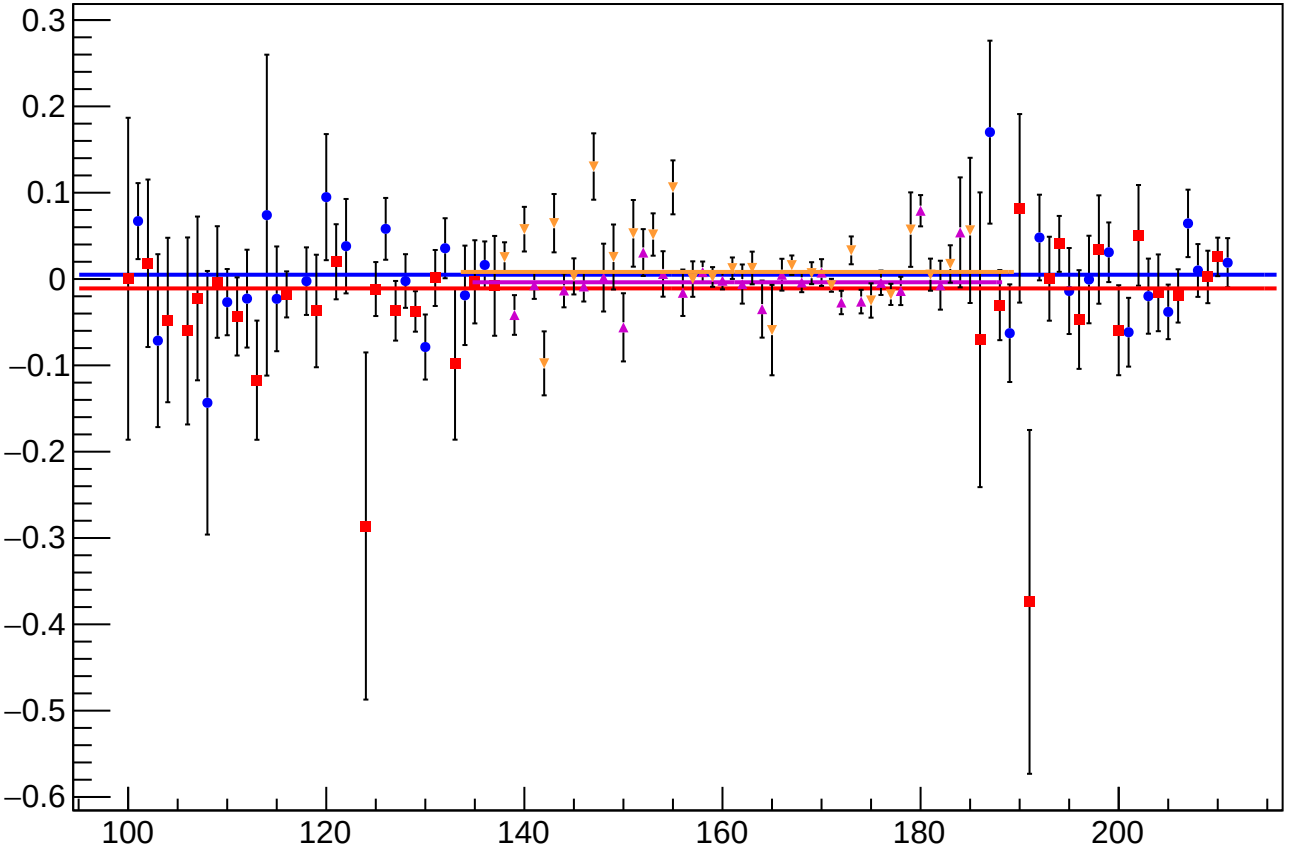
Right: 0.001+/-0.000 χ^2/NDF: 25387507.2/60

In: 0.000+/-0.000 χ^2/NDF:23493257.4/50

Out: 0.000+/-0.000 χ^2/NDF:29060209.9/57

All: 0.000+/-0.000 χ^2/NDF: 52571014.2/108

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 21.8/32

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

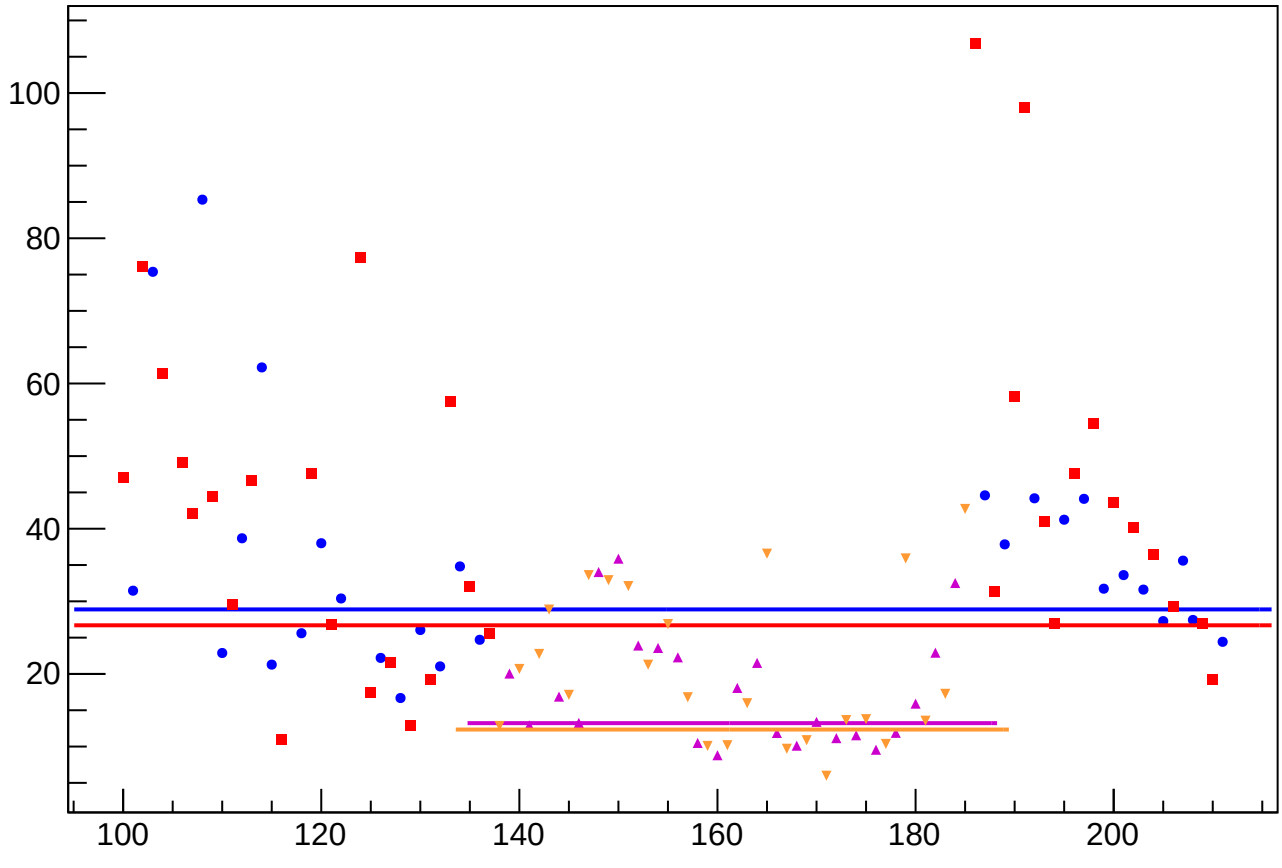
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.003+/-0.006 χ^2/NDF: 51.8/60

In: -0.002+/-0.003 χ^2/NDF:66.1/50

Out: 0.005+/-0.003 χ^2/NDF:85.8/57

All: 0.002+/-0.002 χ^2/NDF: 154.4/108



Right In: 28.887+/-0.006 χ^2/NDF: 2277195.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.699+/-0.005 χ^2/NDF: 5965213.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

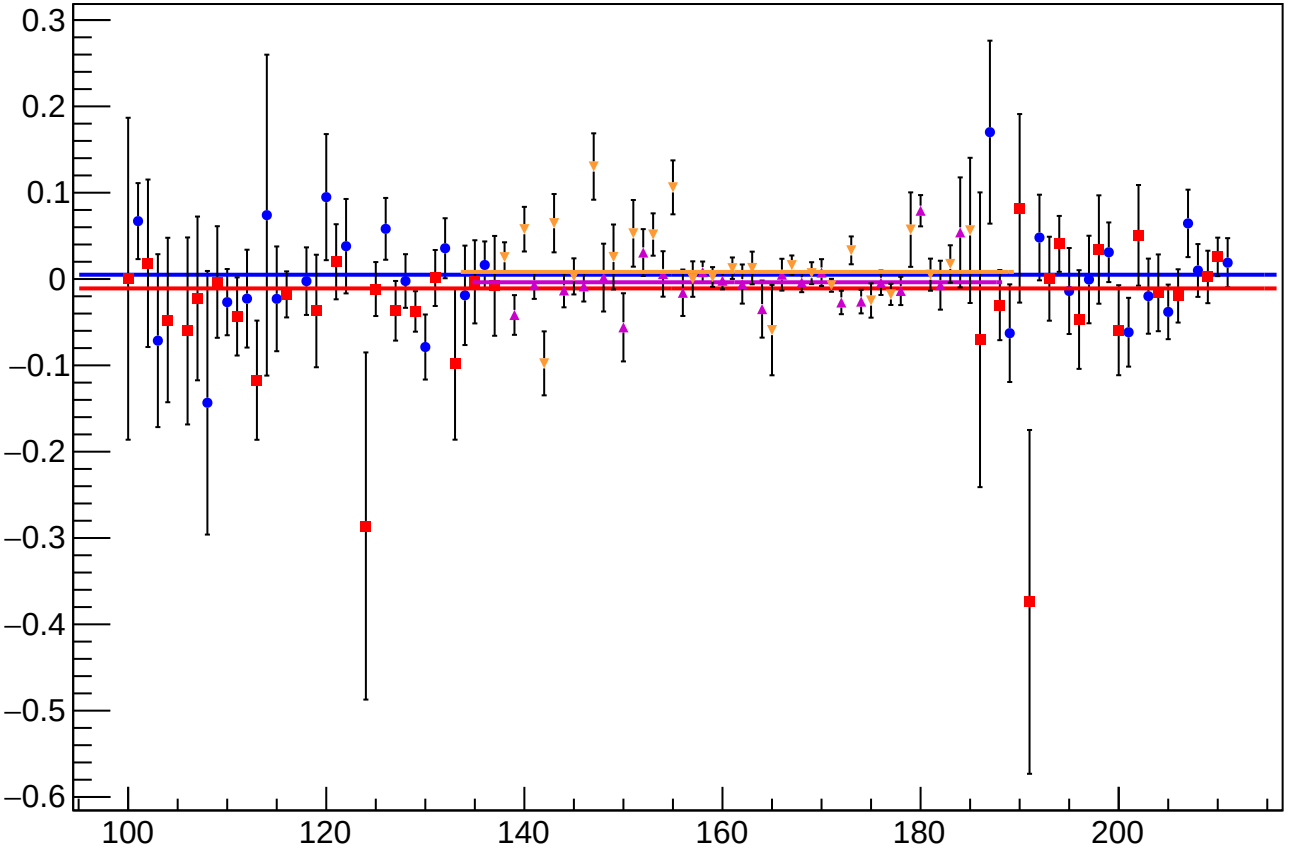
Right: 27.747+/-0.004 χ^2/NDF: 8320693.8/60

In: 15.910+/-0.002 χ^2/NDF:12518987.7/50

Out: 14.771+/-0.002 χ^2/NDF:18552907.3/57

All: 15.313+/-0.002 χ^2/NDF: 31196366.5/108

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 27.9/27

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 21.8/32

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

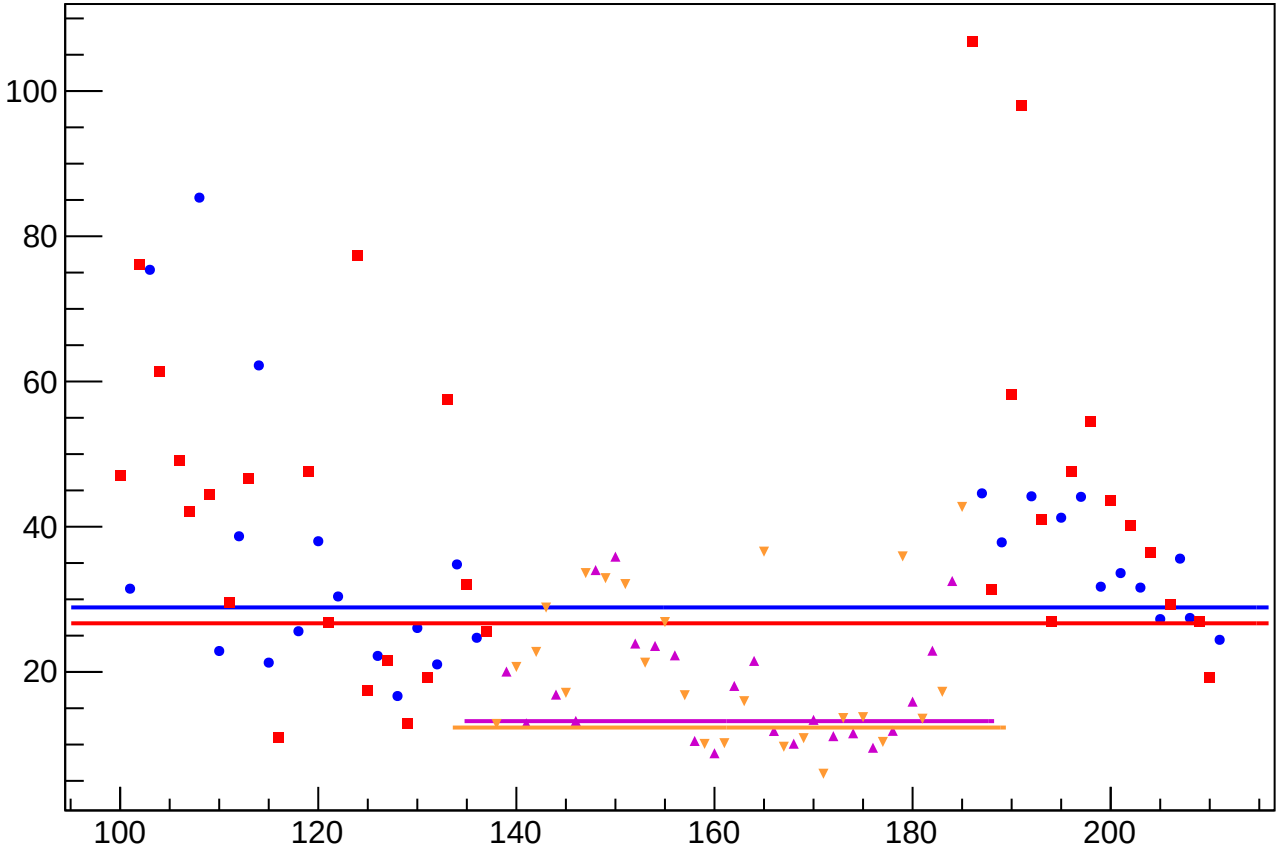
Right: -0.003+/-0.006 χ^2/NDF: 51.8/60

In: -0.002+/-0.003 χ^2/NDF:66.1/50

Out: 0.005+/-0.003 χ^2/NDF:85.8/57

All: 0.002+/-0.002 χ^2/NDF: 154.4/108

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.887+/-0.006 χ^2/NDF: 2277195.6/27

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.699+/-0.005 χ^2/NDF: 5965213.4/32

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

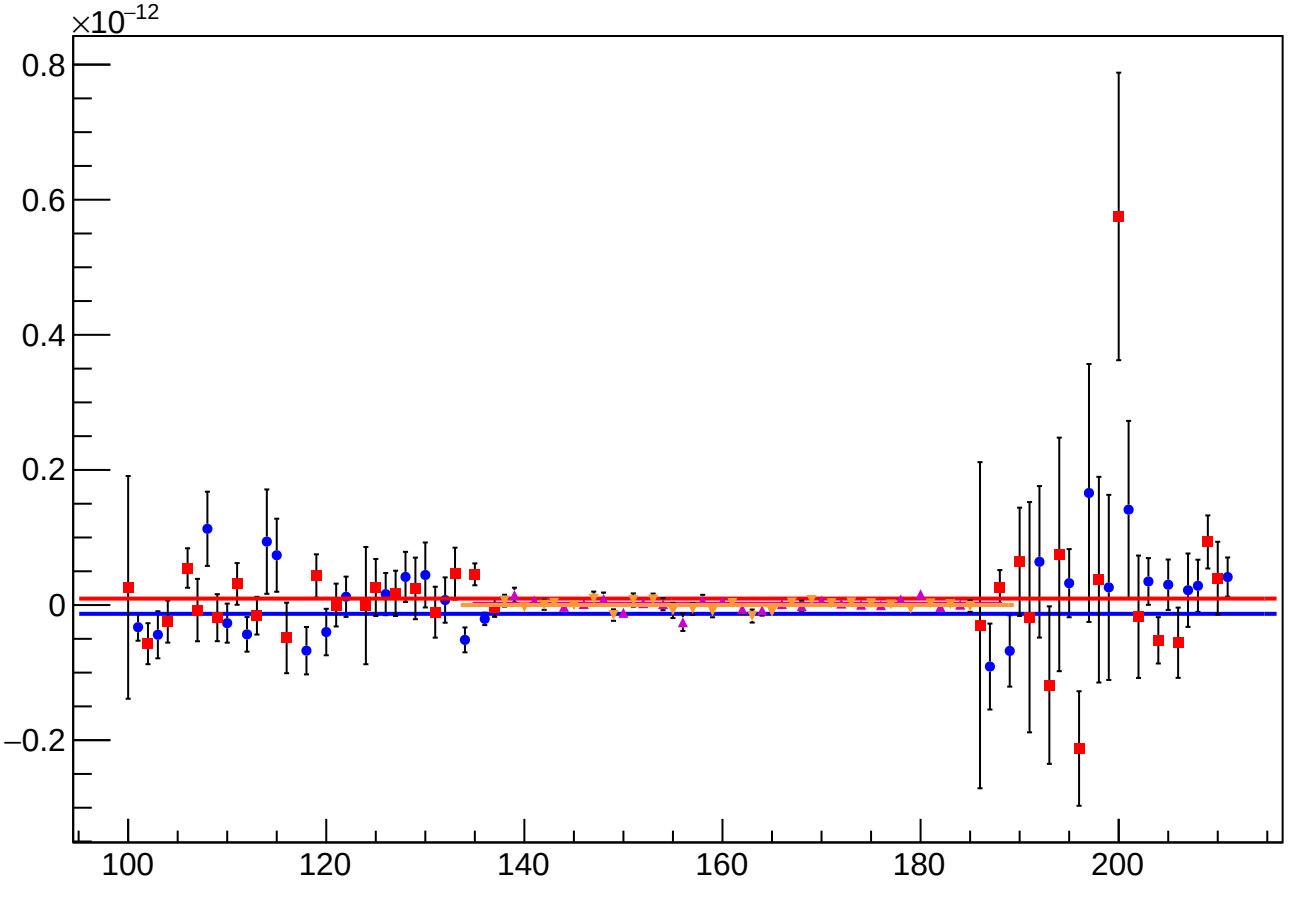
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.747+/-0.004 χ^2/NDF: 8320693.8/60

In: 15.910+/-0.002 χ^2/NDF:12518987.7/50

Out: 14.771+/-0.002 χ^2/NDF:18552907.3/57

All: 15.313+/-0.002 χ^2/NDF: 31196366.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/32

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

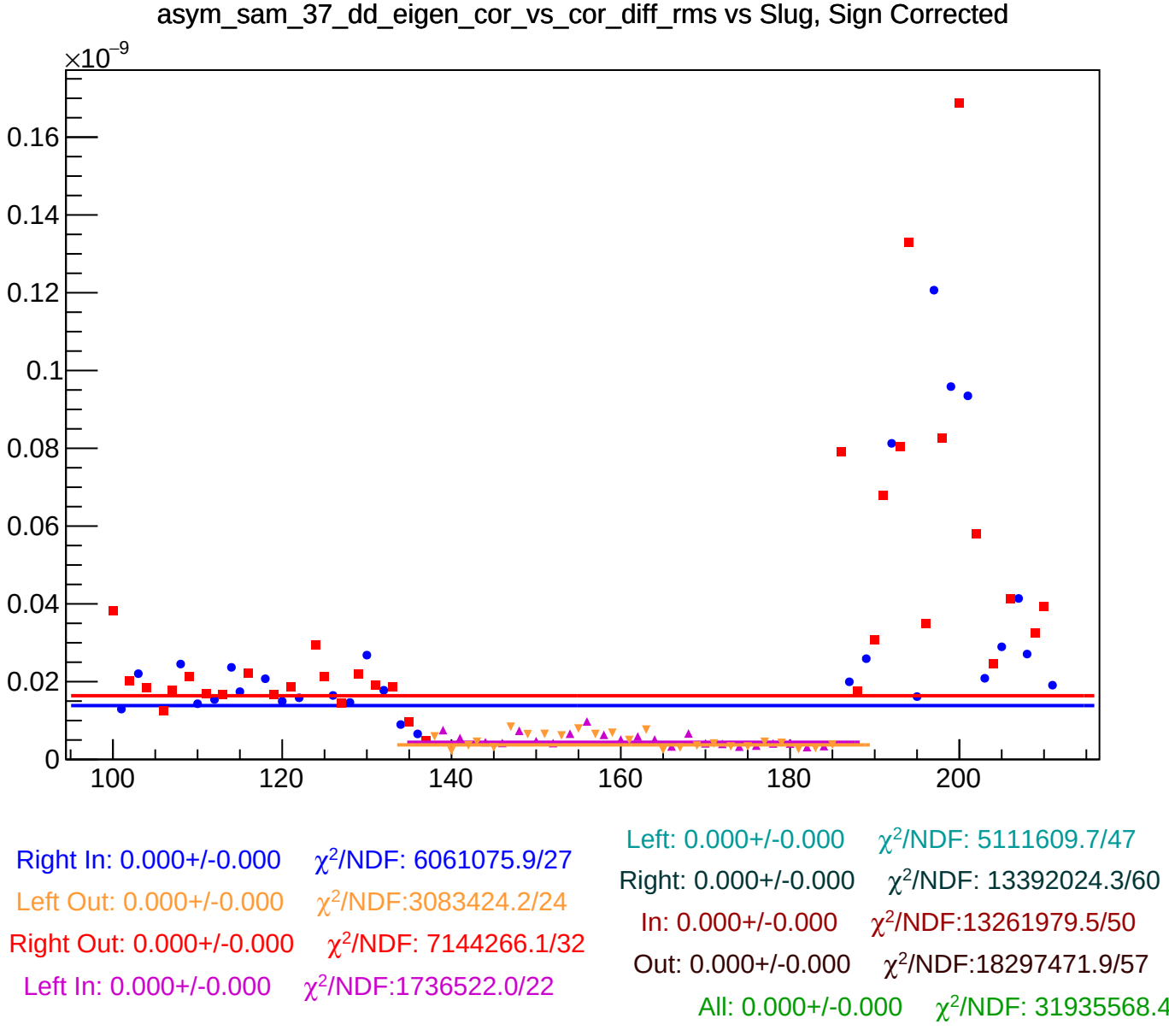
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 95.1/60

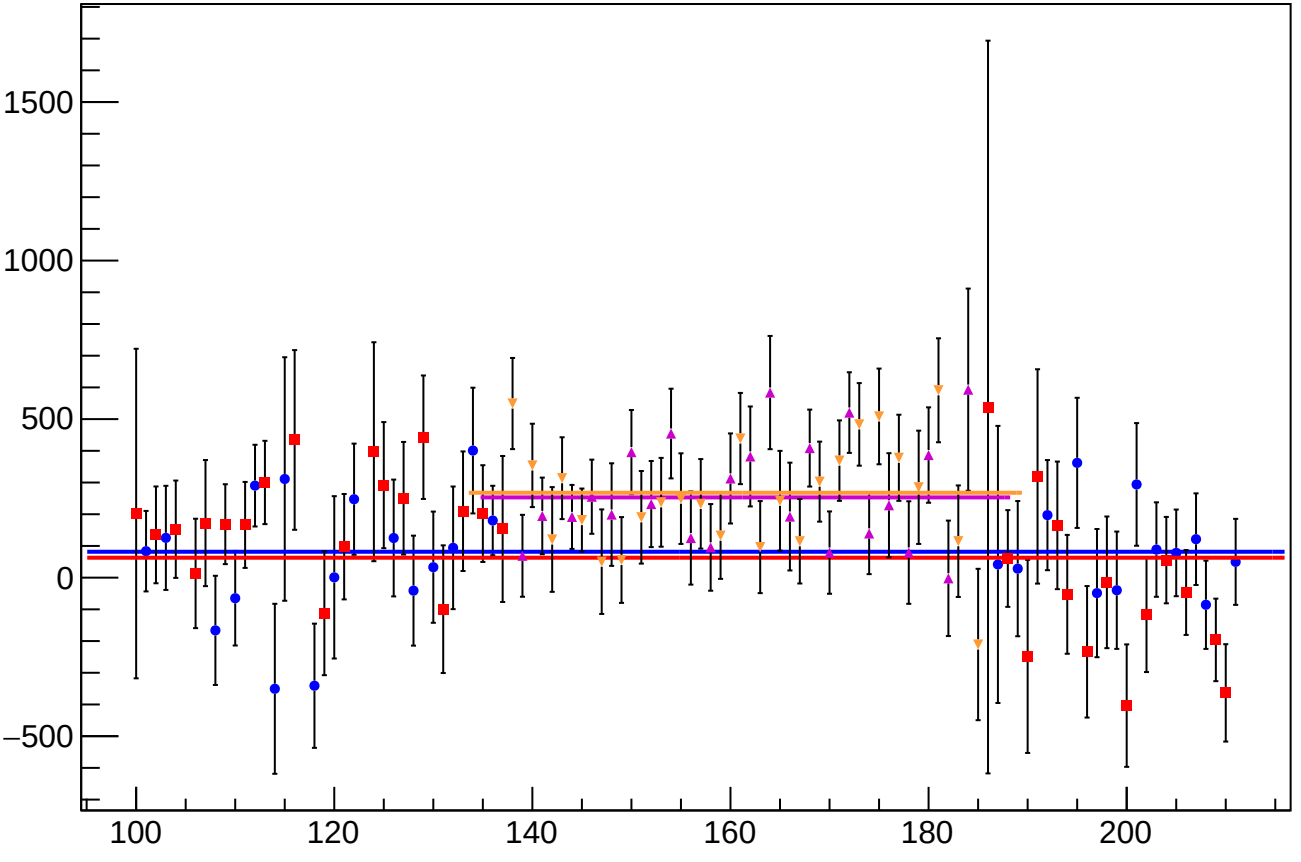
In: 0.000+/-0.000 χ^2/NDF:73.6/50

Out: 0.000+/-0.000 χ^2/NDF:70.1/57

All: 0.000+/-0.000 χ^2/NDF: 143.9/108


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6061075.9/27
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 7144266.1/32
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
Left: 0.000+/-0.000 χ²/NDF: 5111609.7/47
Right: 0.000+/-0.000 χ²/NDF: 13392024.3/60
In: 0.000+/-0.000 χ²/NDF:13261979.5/50
Out: 0.000+/-0.000 χ²/NDF:18297471.9/57
All: 0.000+/-0.000 χ²/NDF: 31935568.4/108

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 81.664+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 62.870+/-31.071 χ^2/NDF: 41.3/32

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

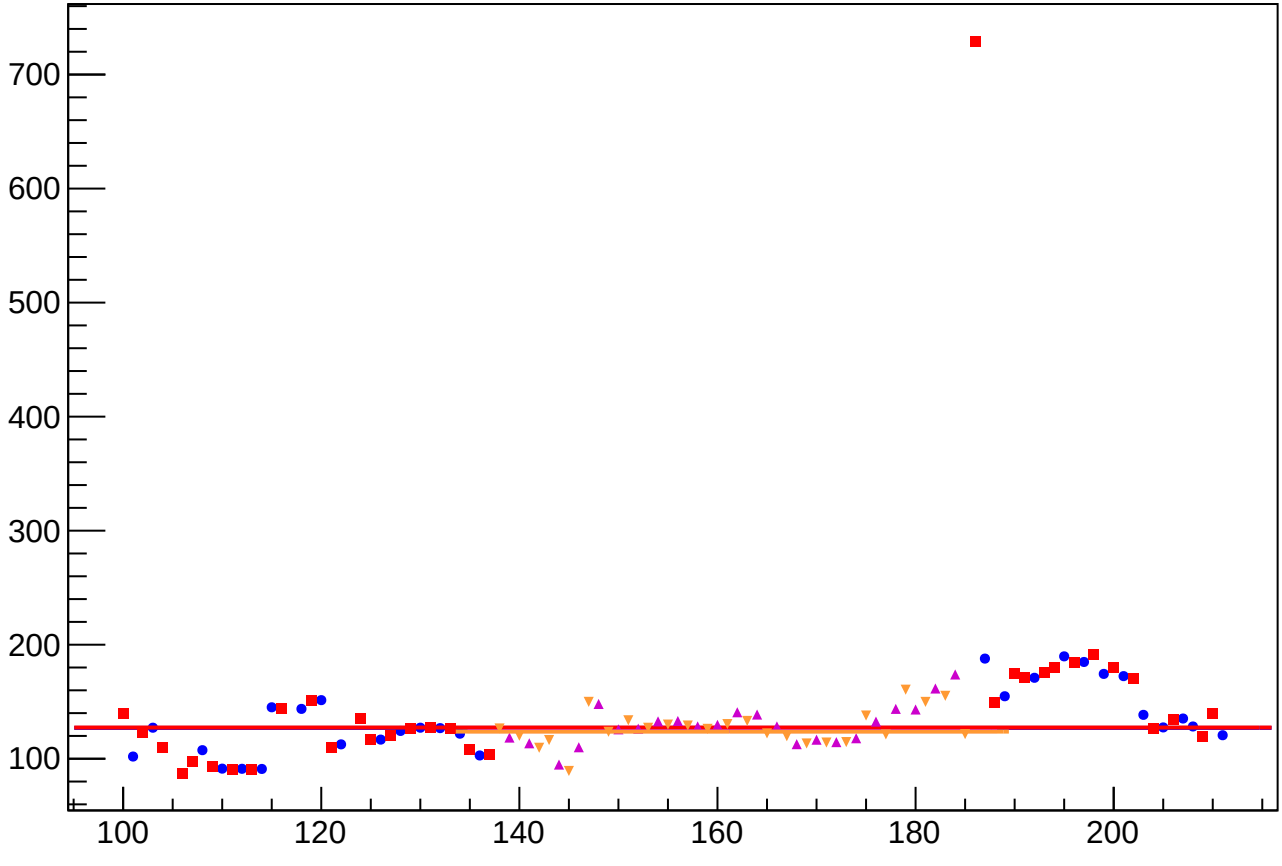
Right: 72.008+/-22.271 χ^2/NDF: 65.9/60

In: 174.686+/-21.596 χ^2/NDF:66.2/50

Out: 174.484+/-20.966 χ^2/NDF:96.0/57

All: 174.582+/-15.043 χ^2/NDF: 162.2/108

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.4/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.355+/-0.022 χ^2/NDF: 2331196.8/32

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

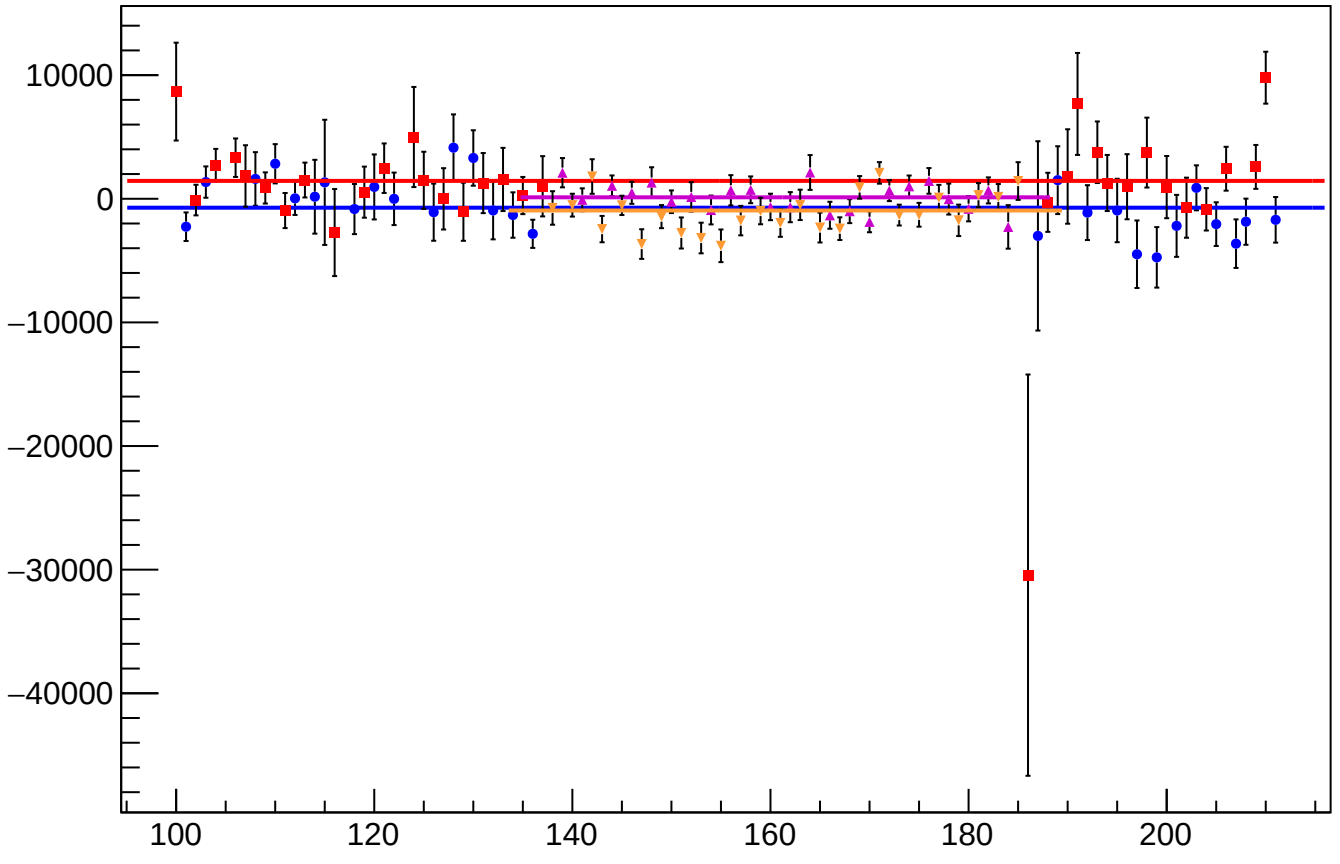
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 127.195+/-0.016 χ^2/NDF: 3712254.3/60

In: 125.524+/-0.015 χ^2/NDF:1946304.9/50

Out: 125.423+/-0.015 χ^2/NDF:2943846.4/57

All: 125.472+/-0.011 χ^2/NDF: 4890173.7/108



Right In: -722.112+/-365.109 χ^2/NDF: 31.7/27

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1447.261+/-352.489 χ^2/NDF: 42.5/32

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

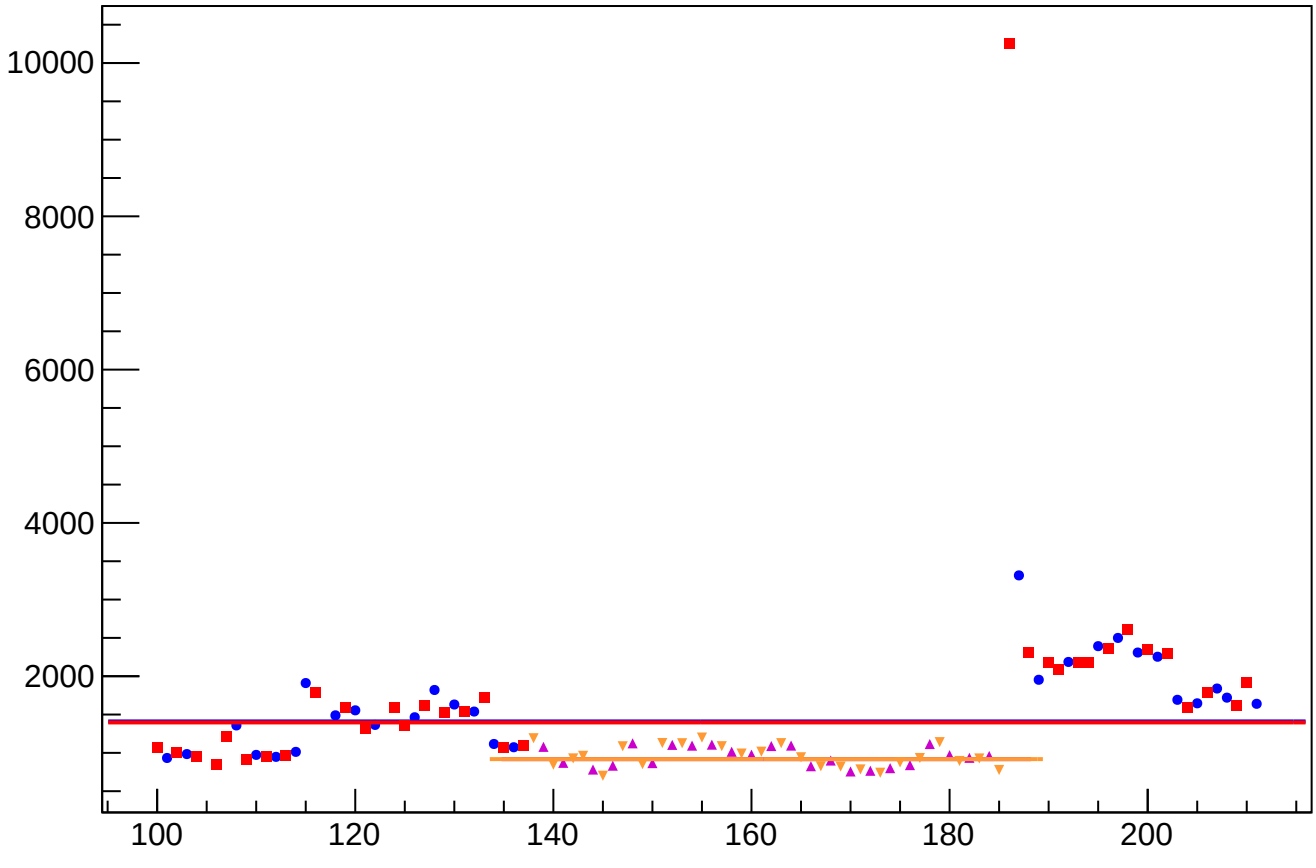
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 400.715+/-253.591 χ^2/NDF: 92.5/60

In: -101.226+/-186.645 χ^2/NDF:60.0/50

Out: -312.430+/-181.543 χ^2/NDF:126.7/57

All: -209.754+/-130.137 χ^2/NDF: 187.4/108



Right In: 1410.109+/-0.258 χ^2/NDF: 3141647.5/27

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1397.042+/-0.249 χ^2/NDF: 4565002.0/32

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

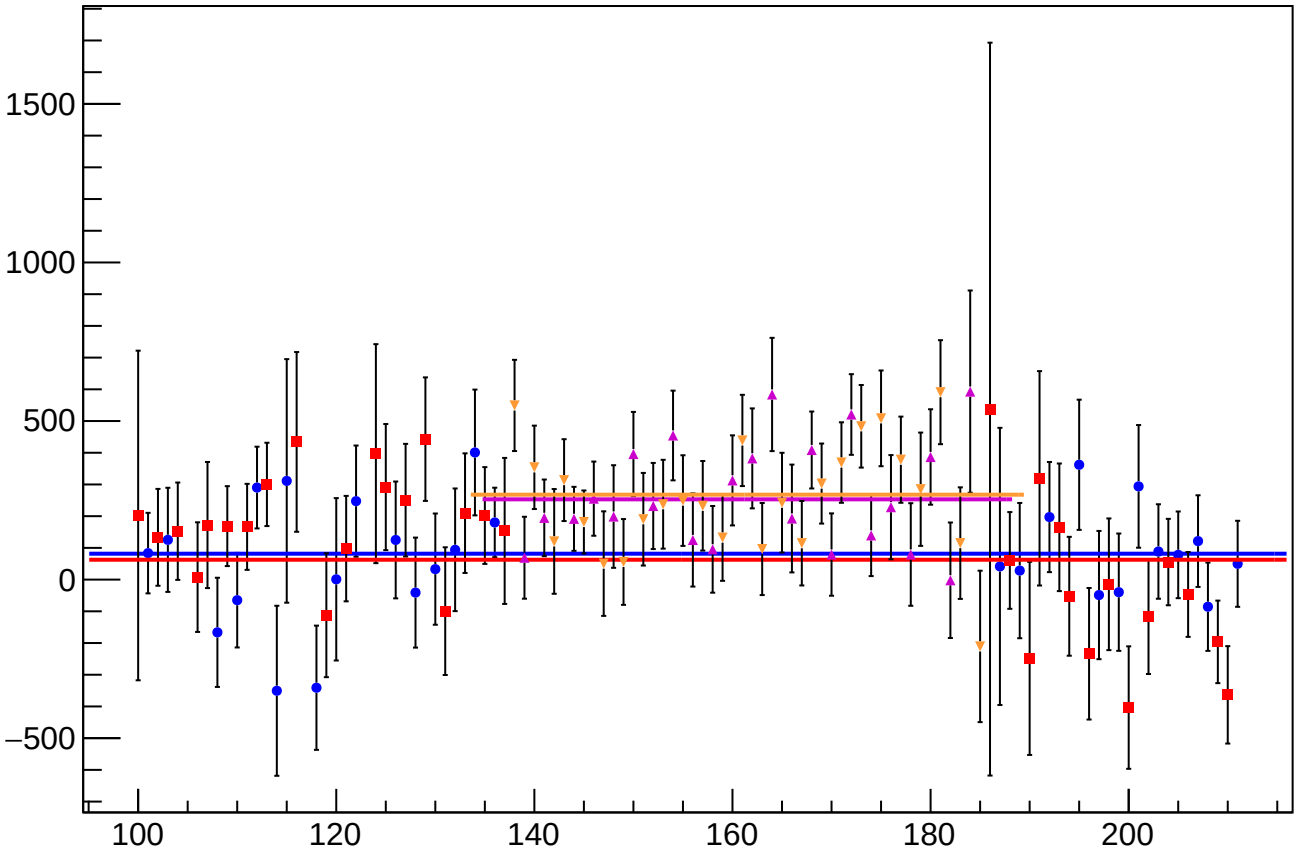
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1403.345+/-0.179 χ^2/NDF: 7707975.4/60

In: 1046.761+/-0.132 χ^2/NDF:6489428.9/50

Out: 1045.438+/-0.128 χ^2/NDF:8161211.5/57

All: 1046.081+/-0.092 χ^2/NDF: 14650691.9/1



Right In: 81.657+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 62.630+/-31.074 χ^2/NDF: 41.4/32

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

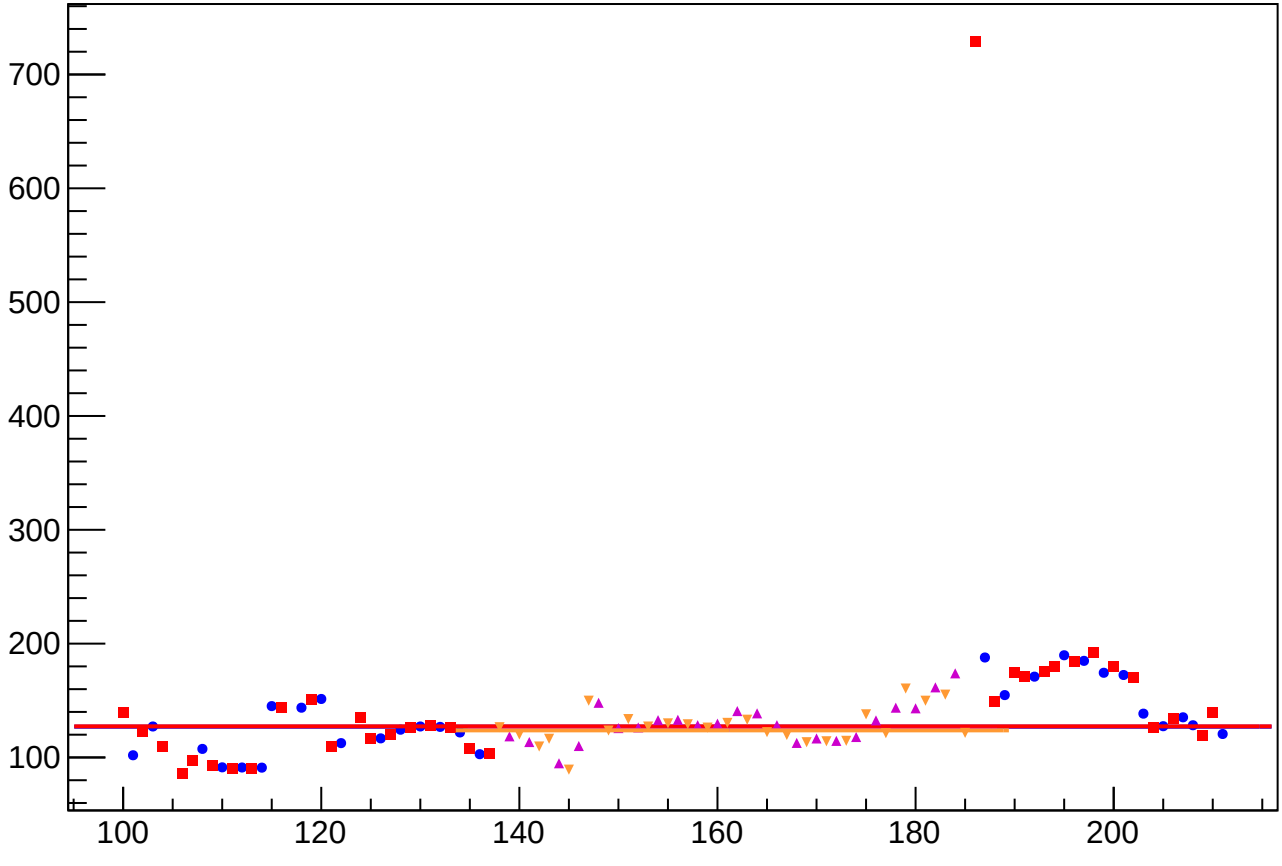
Right: 71.883+/-22.272 χ^2/NDF: 65.9/60

In: 174.685+/-21.596 χ^2/NDF:66.2/50

Out: 174.388+/-20.966 χ^2/NDF:96.1/57

All: 174.532+/-15.043 χ^2/NDF: 162.3/108

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.5/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.326+/-0.022 χ^2/NDF: 2337028.4/32

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

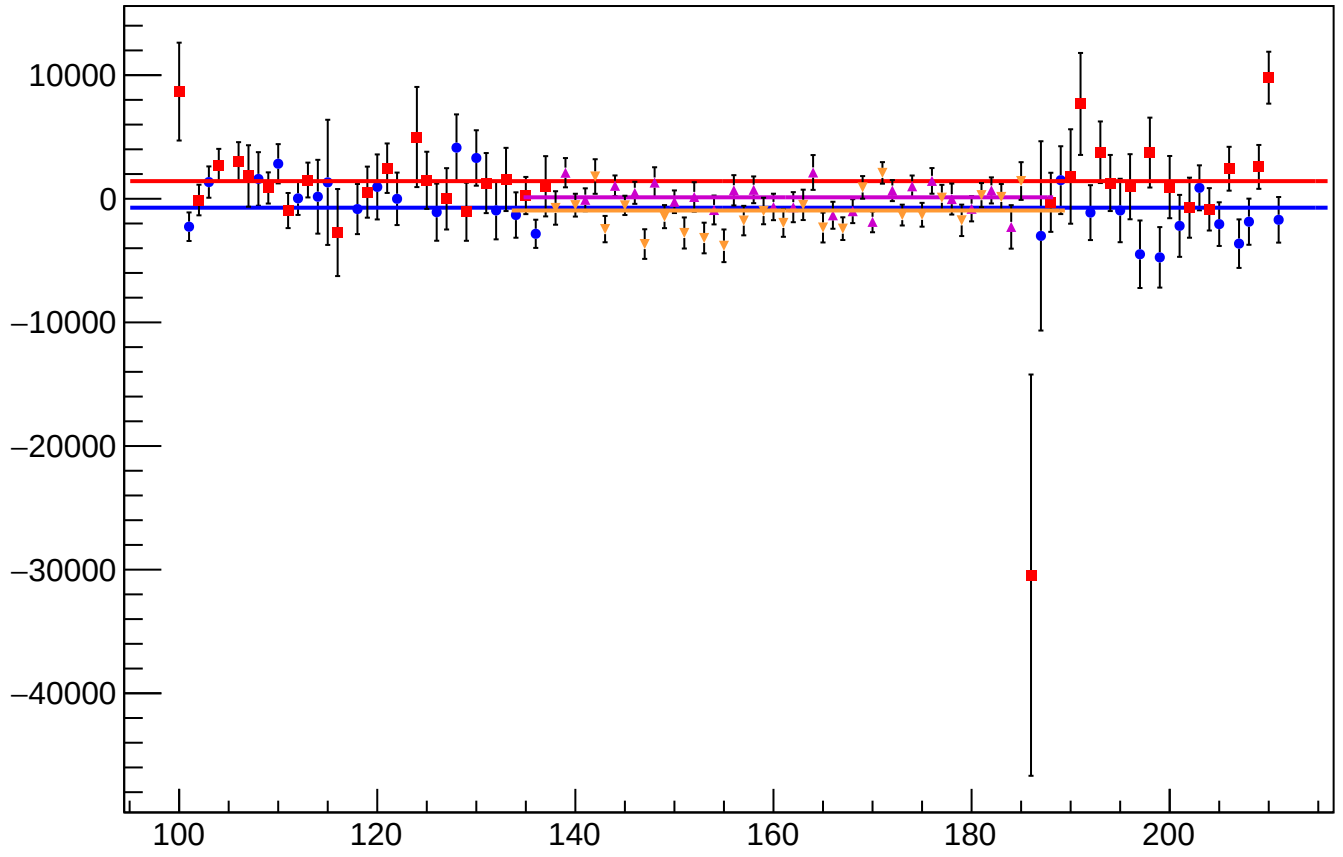
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.179+/-0.016 χ^2/NDF: 3718066.9/60

In: 125.524+/-0.015 χ^2/NDF:1946305.1/50

Out: 125.409+/-0.015 χ^2/NDF:2949438.4/57

All: 125.465+/-0.011 χ^2/NDF: 4895772.4/108



Right In: -722.175+/-365.110 χ^2/NDF: 31.7/27

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1426.736+/-352.914 χ^2/NDF: 42.0/32

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

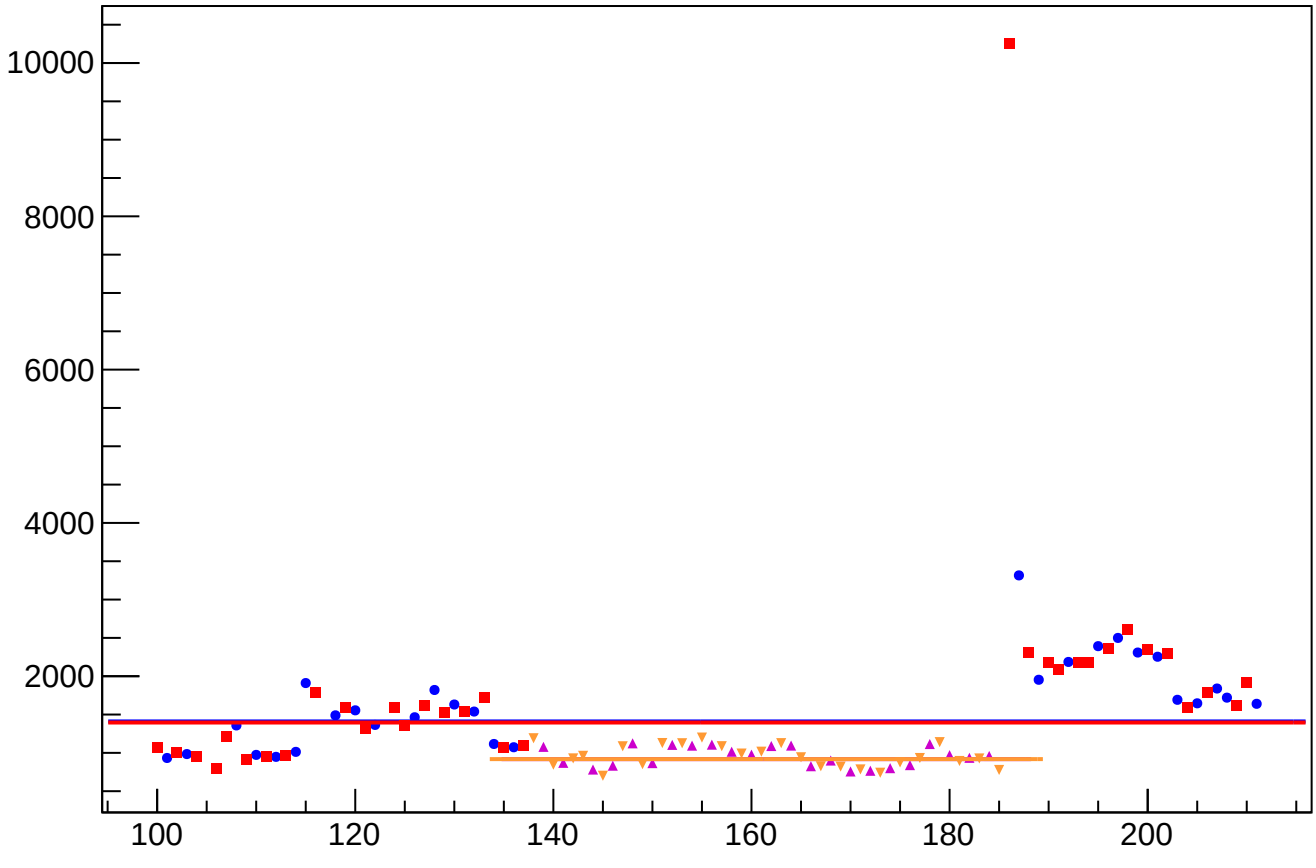
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 388.773+/-253.750 χ^2/NDF: 91.6/60

In: -101.239+/-186.645 χ^2/NDF:60.0/50

Out: -318.981+/-181.601 χ^2/NDF:125.6/57

All: -213.092+/-130.158 χ^2/NDF: 186.2/108



Right In: 1410.118+/-0.258 χ^2/NDF: 3141559.6/27

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1395.905+/-0.250 χ^2/NDF: 4598918.1/32

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

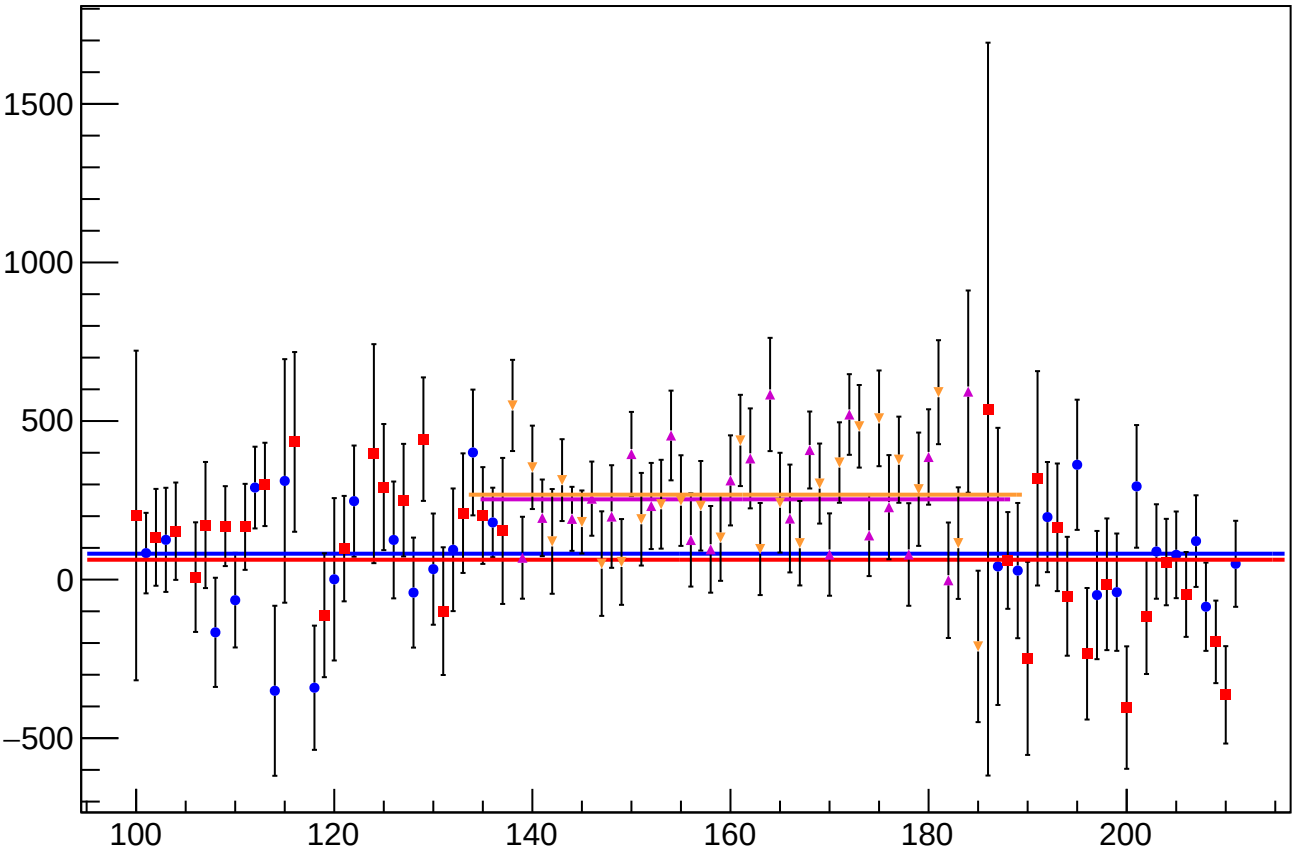
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1402.770+/-0.179 χ^2/NDF: 7742044.3/60

In: 1046.762+/-0.132 χ^2/NDF:6489419.0/50

Out: 1044.913+/-0.128 χ^2/NDF:8177509.0/57

All: 1045.812+/-0.092 χ^2/NDF: 14667028.9/1



Right In: 81.657+/-31.938 χ^2/NDF: 24.4/27

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 62.630+/-31.074 χ^2/NDF: 41.4/32

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

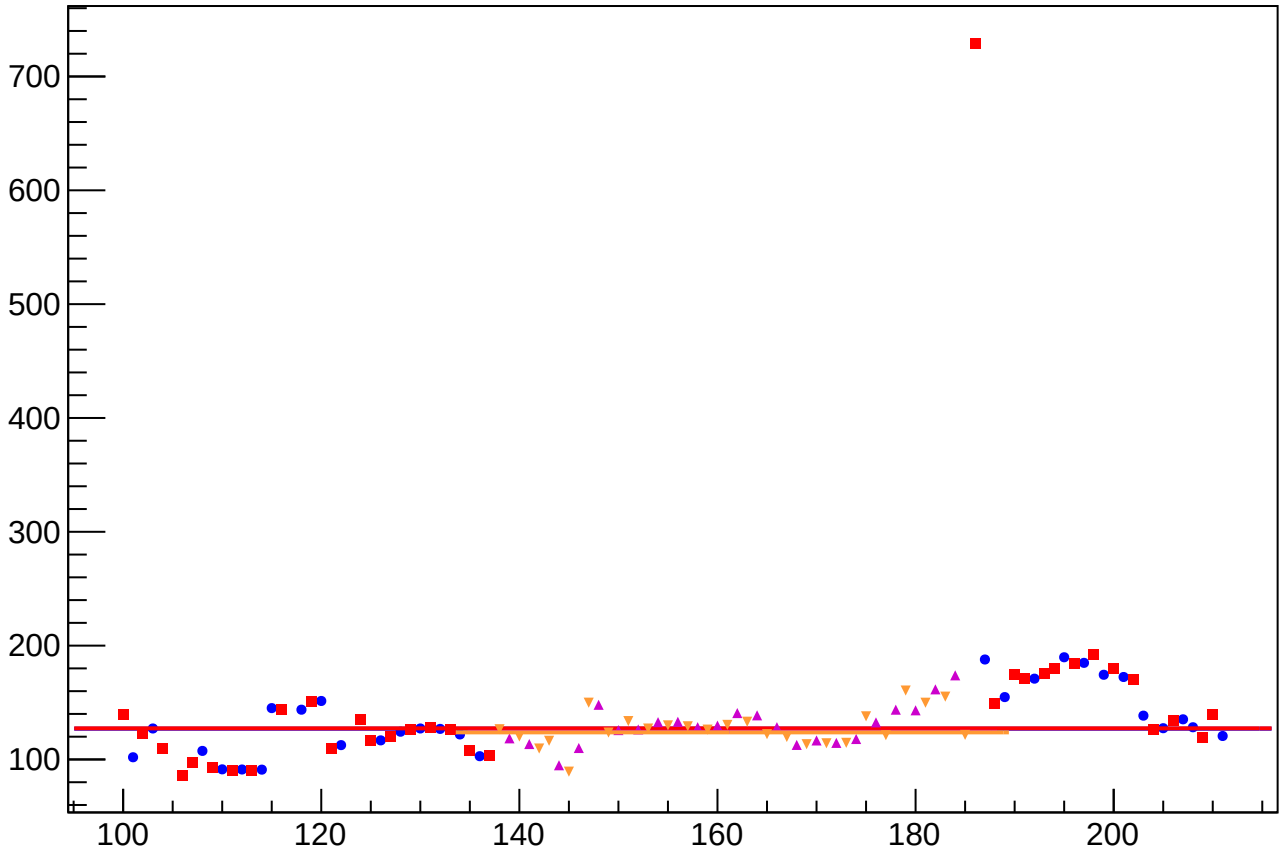
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 71.883+/-22.272 χ^2/NDF: 65.9/60

In: 174.685+/-21.596 χ^2/NDF:66.2/50

Out: 174.388+/-20.966 χ^2/NDF:96.1/57

All: 174.532+/-15.043 χ^2/NDF: 162.3/108



Right In: 127.025+/-0.023 χ^2/NDF: 1380947.5/27

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.326+/-0.022 χ^2/NDF: 2337028.4/32

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

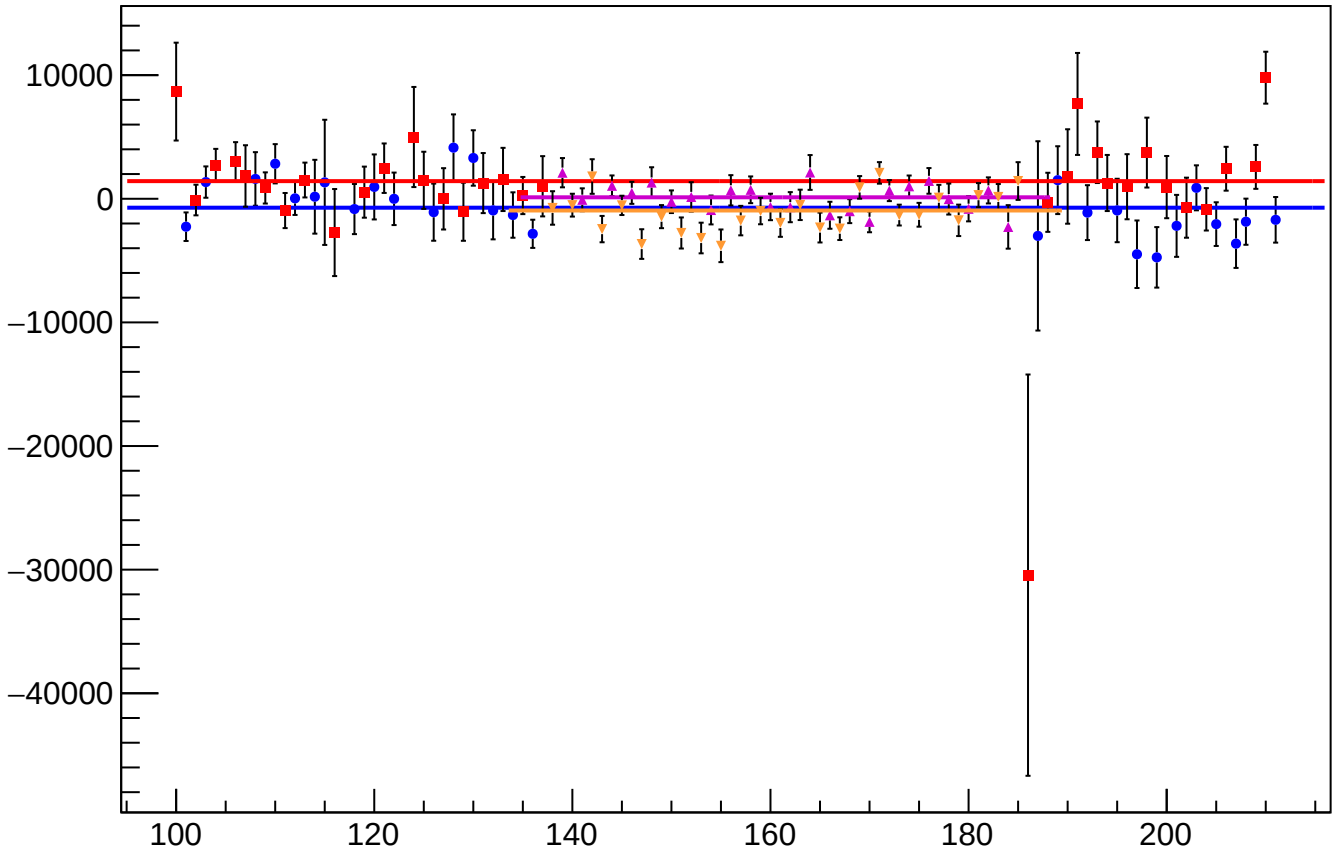
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.179+/-0.016 χ^2/NDF: 3718066.9/60

In: 125.524+/-0.015 χ^2/NDF:1946305.1/50

Out: 125.409+/-0.015 χ^2/NDF:2949438.4/57

All: 125.465+/-0.011 χ^2/NDF: 4895772.4/108



Right In: -722.175+/-365.110 χ^2/NDF: 31.7/27

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1426.736+/-352.914 χ^2/NDF: 42.0/32

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

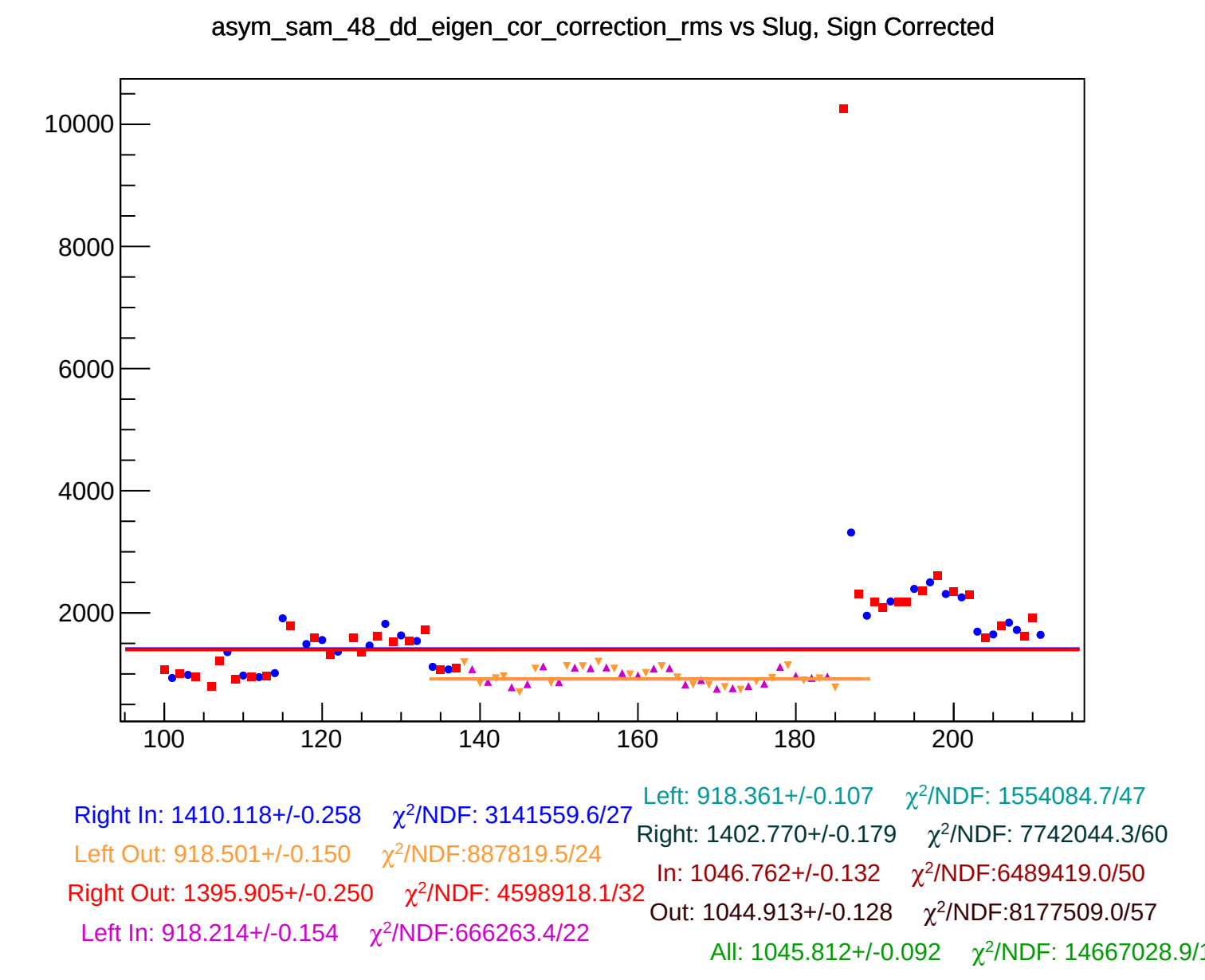
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 388.773+/-253.750 χ^2/NDF: 91.6/60

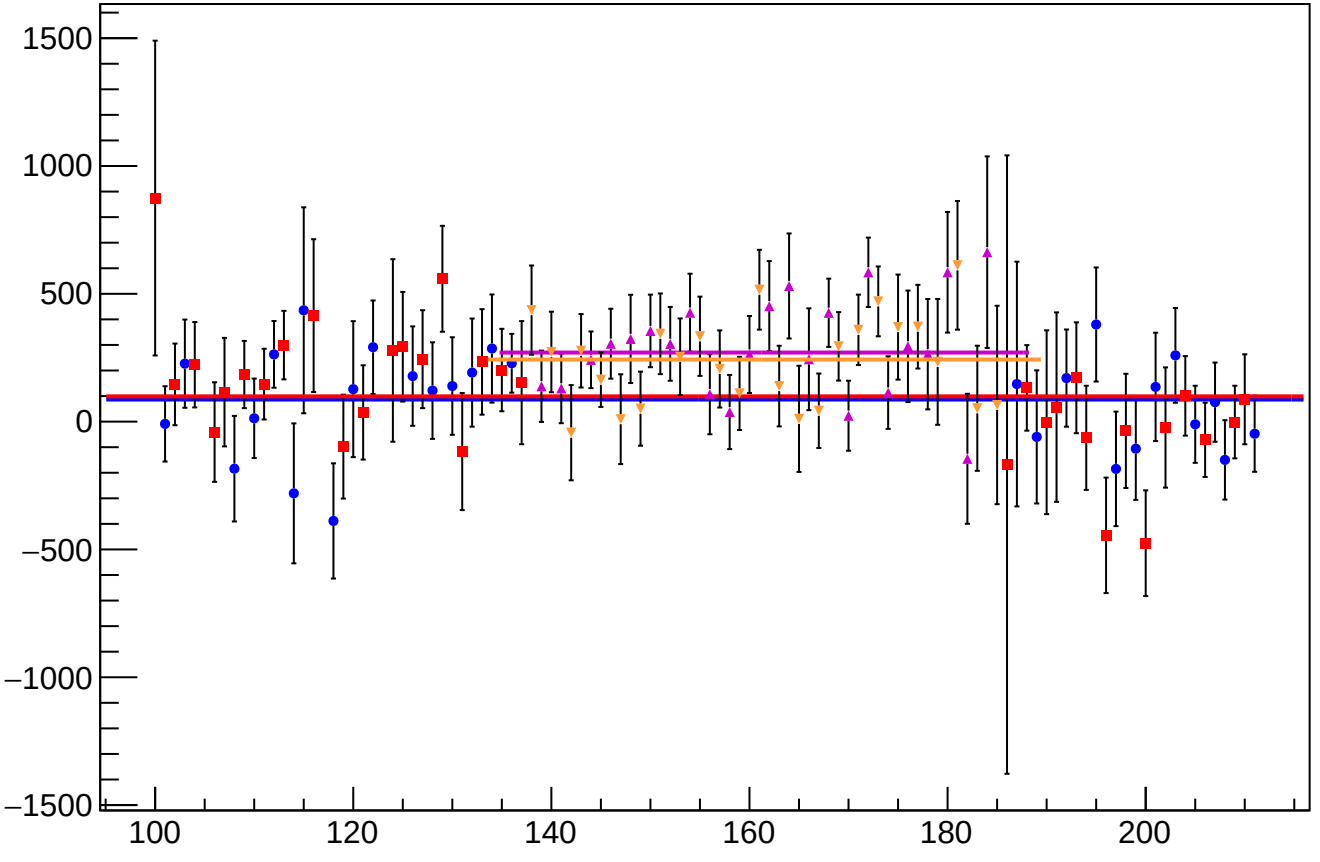
In: -101.239+/-186.645 χ^2/NDF:60.0/50

Out: -318.981+/-181.601 χ^2/NDF:125.6/57

All: -213.092+/-130.158 χ^2/NDF: 186.2/108


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1410.118+/-0.258 χ²/NDF: 3141559.6/27
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1395.905+/-0.250 χ²/NDF: 4598918.1/32
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1402.770+/-0.179 χ²/NDF: 7742044.3/60
In: 1046.762+/-0.132 χ²/NDF:6489419.0/50
Out: 1044.913+/-0.128 χ²/NDF:8177509.0/57
All: 1045.812+/-0.092 χ²/NDF: 14667028.9/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 86.482+/-34.837 χ^2/NDF: 25.2/27

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 98.817+/-33.639 χ^2/NDF: 33.0/32

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

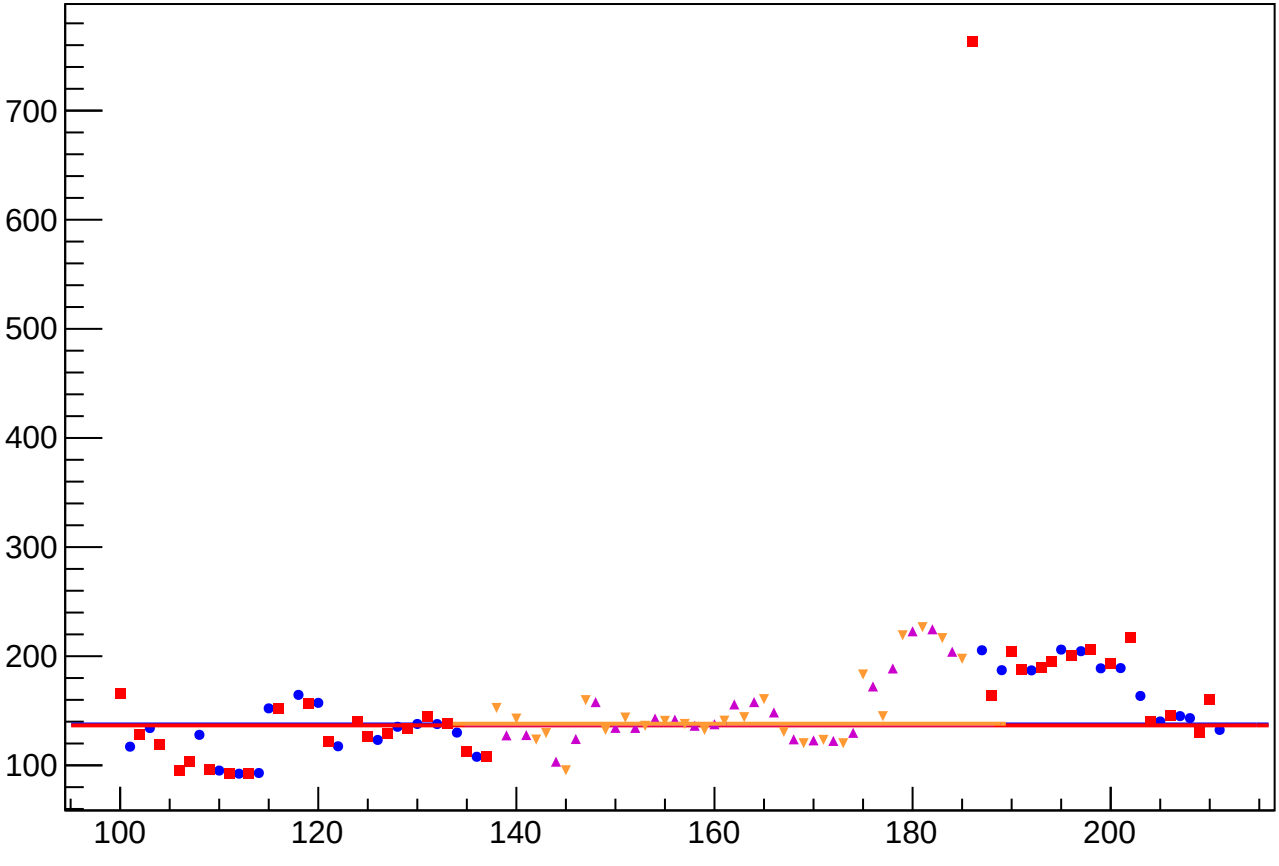
Right: 92.865+/-24.199 χ^2/NDF: 58.3/60

In: 183.634+/-23.917 χ^2/NDF:66.6/50

Out: 174.138+/-23.238 χ^2/NDF:66.2/57

All: 178.749+/-16.666 χ^2/NDF: 133.0/108

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.439+/-0.025 χ^2/NDF: 1614418.1/27

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.611+/-0.024 χ^2/NDF: 2669396.2/32

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

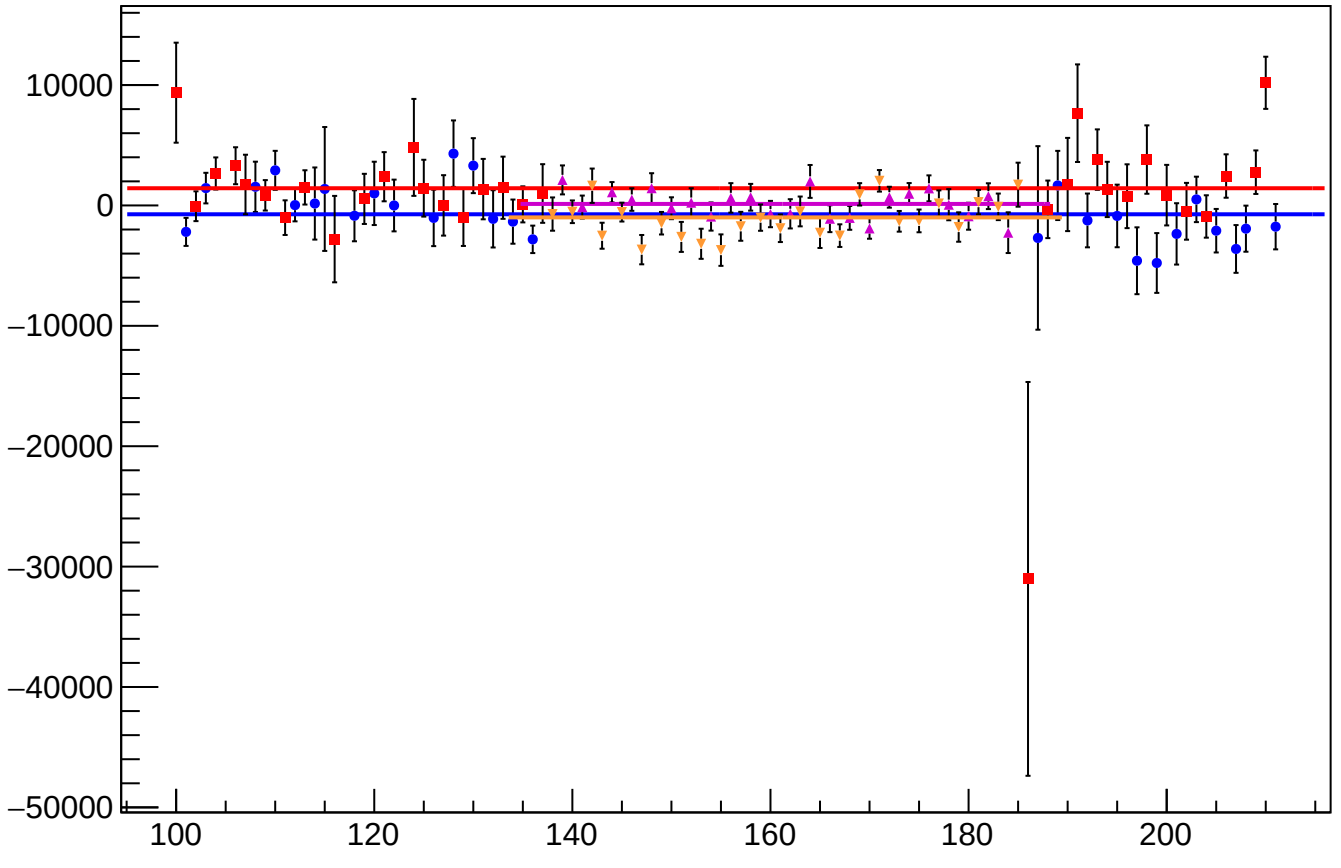
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 137.010+/-0.017 χ^2/NDF: 4284399.6/60

In: 137.467+/-0.017 χ^2/NDF:2723754.0/50

Out: 137.404+/-0.016 χ^2/NDF:4009830.3/57

All: 137.434+/-0.012 χ^2/NDF: 6733591.5/108



Right In: -734.339+/-369.475 χ^2/NDF: 31.5/27

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1428.663+/-355.344 χ^2/NDF: 43.4/32

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

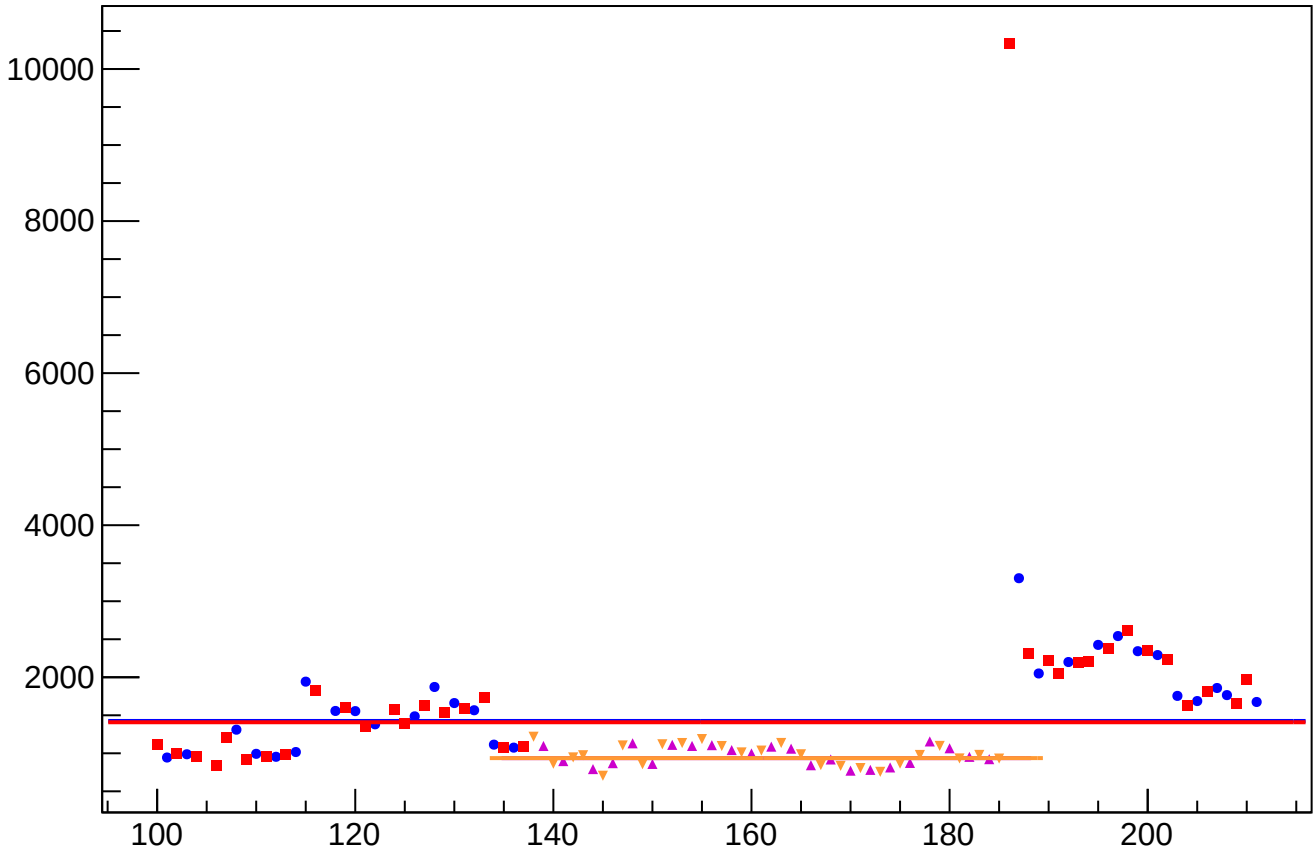
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 389.316+/-256.116 χ^2/NDF: 92.7/60

In: -102.097+/-189.892 χ^2/NDF:59.3/50

Out: -341.334+/-184.358 χ^2/NDF:124.3/57

All: -225.253+/-132.274 χ^2/NDF: 184.4/108



Right In: 1425.173+/-0.261 χ^2/NDF: 3248569.0/27

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1408.380+/-0.251 χ^2/NDF: 4587651.9/32

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

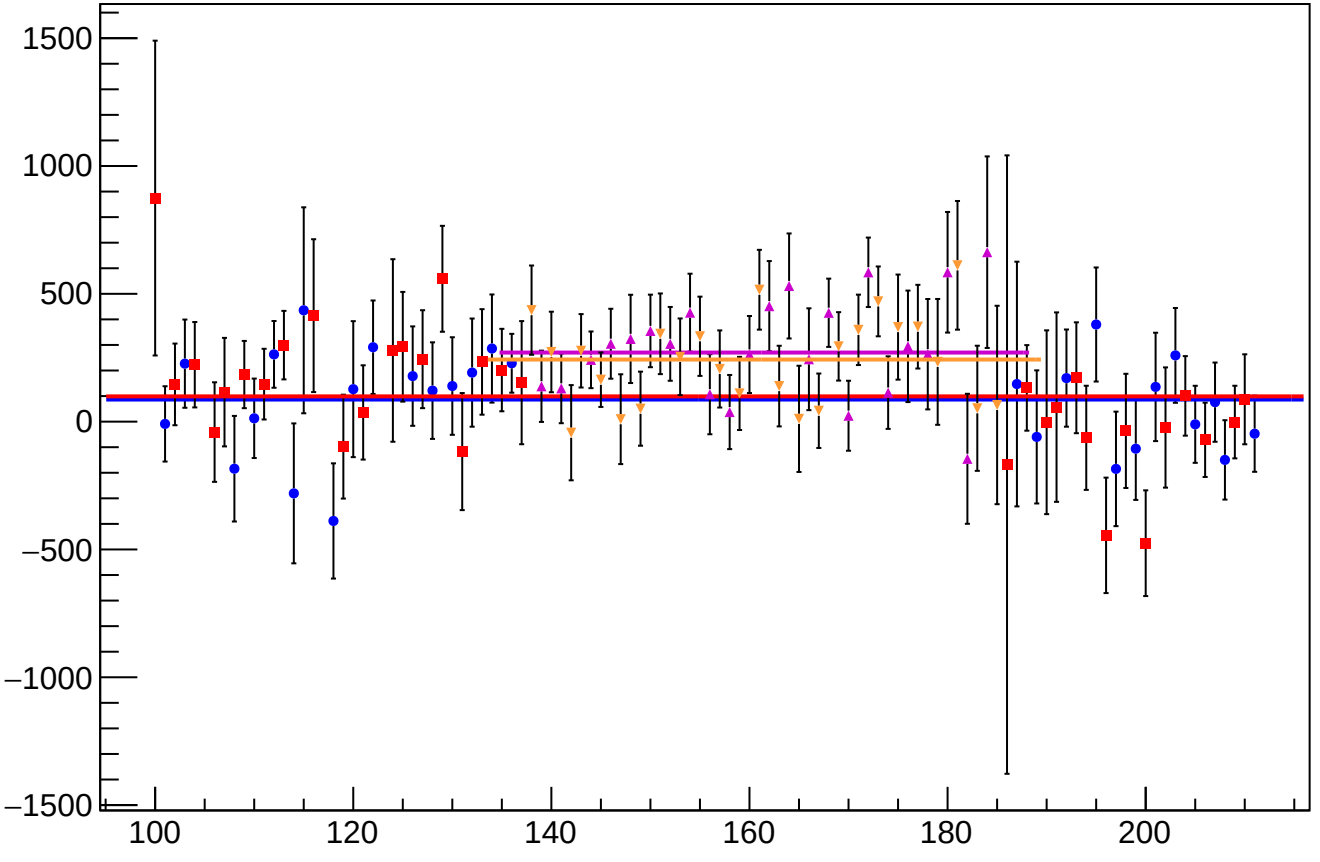
Right: 1416.449+/-0.181 χ^2/NDF: 7838367.0/60

In: 1065.493+/-0.134 χ^2/NDF:6467045.5/50

Out: 1063.694+/-0.130 χ^2/NDF:7995025.7/57

All: 1064.567+/-0.094 χ^2/NDF: 14462163.7/1

eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 86.484+/-34.837 χ^2/NDF: 25.2/27

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 98.816+/-33.639 χ^2/NDF: 33.0/32

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

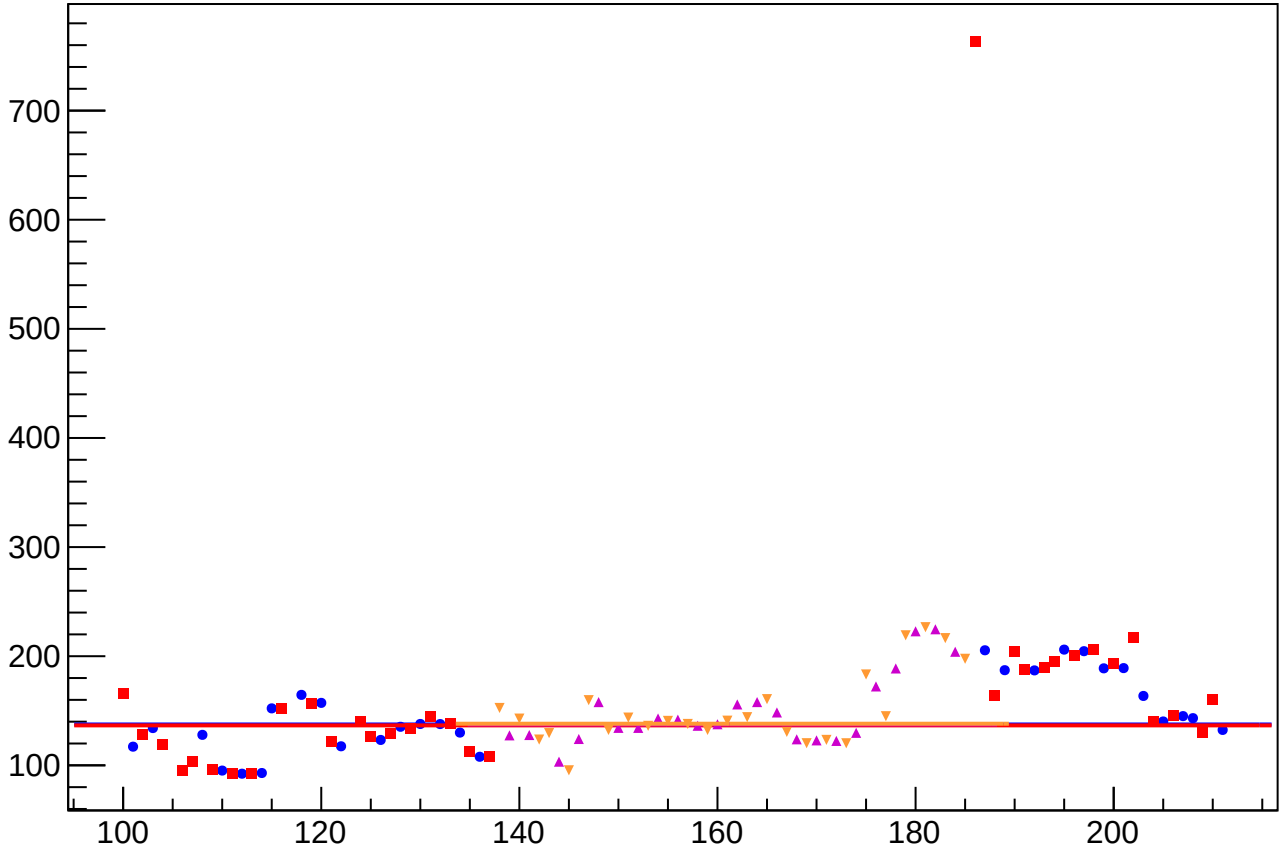
Right: 92.866+/-24.199 χ^2/NDF: 58.3/60

In: 183.635+/-23.917 χ^2/NDF:66.6/50

Out: 174.139+/-23.238 χ^2/NDF:66.2/57

All: 178.750+/-16.666 χ^2/NDF: 133.0/108

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.439+/-0.025 χ^2/NDF: 1614405.5/27

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 136.611+/-0.024 χ^2/NDF: 2669402.3/32

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

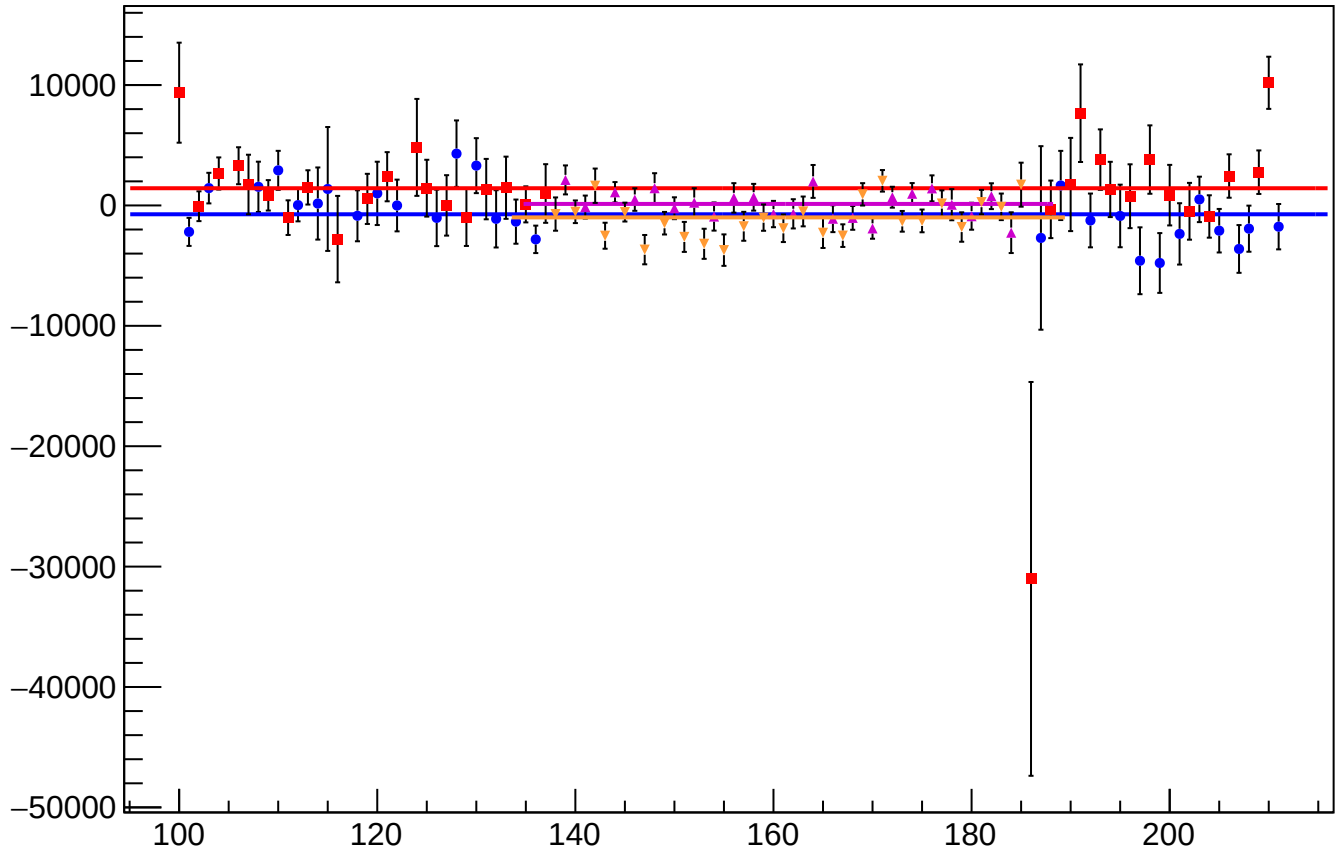
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 137.010+/-0.017 χ^2/NDF: 4284393.1/60

In: 137.467+/-0.017 χ^2/NDF:2723727.7/50

Out: 137.404+/-0.016 χ^2/NDF:4009839.5/57

All: 137.434+/-0.012 χ^2/NDF: 6733574.3/108



Right In: -734.338+/-369.475 χ^2/NDF: 31.5/27

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1428.661+/-355.344 χ^2/NDF: 43.4/32

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

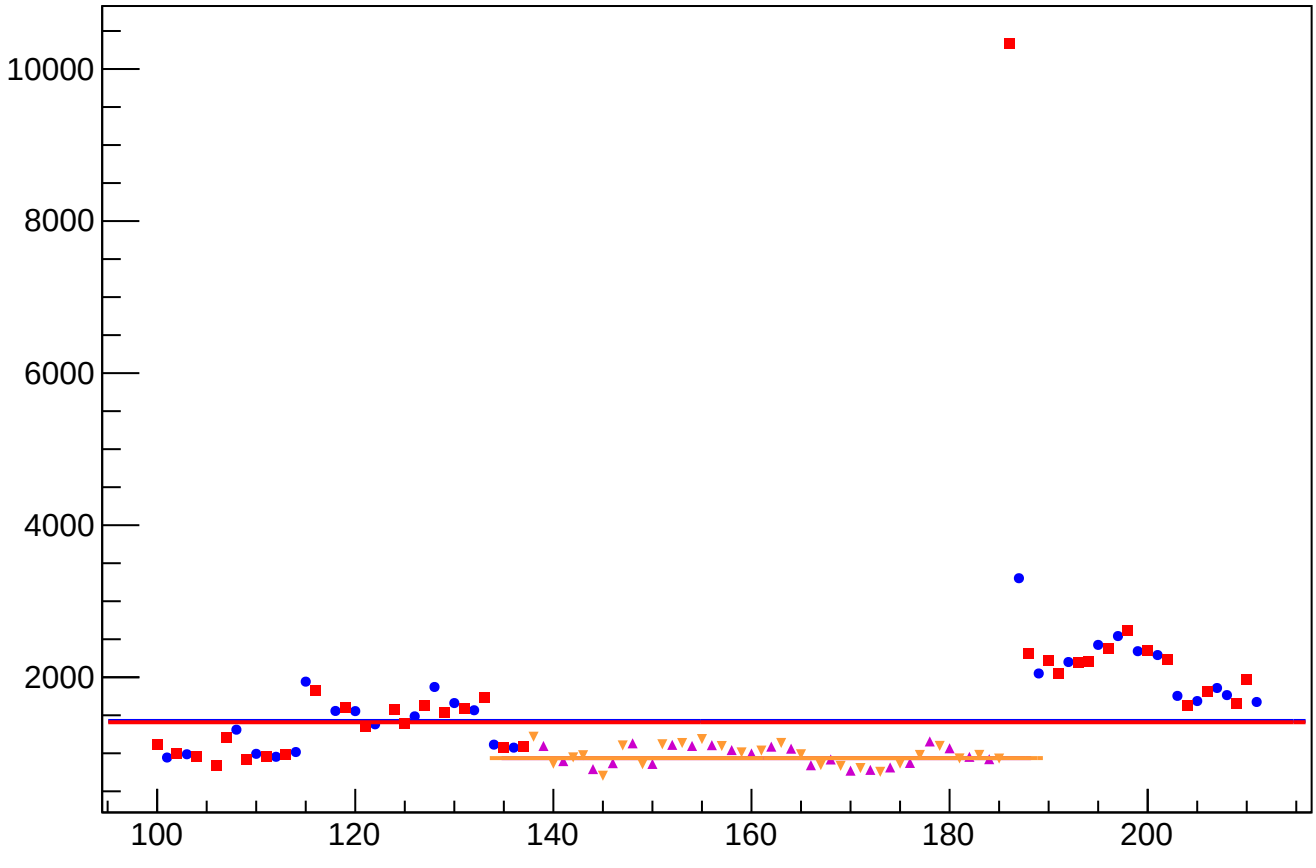
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 389.316+/-256.116 χ^2/NDF: 92.7/60

In: -102.097+/-189.892 χ^2/NDF:59.3/50

Out: -341.334+/-184.358 χ^2/NDF:124.3/57

All: -225.253+/-132.274 χ^2/NDF: 184.4/108



Right In: 1425.172+/-0.261 χ^2/NDF: 3248564.0/27

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1408.380+/-0.251 χ^2/NDF: 4587644.8/32

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

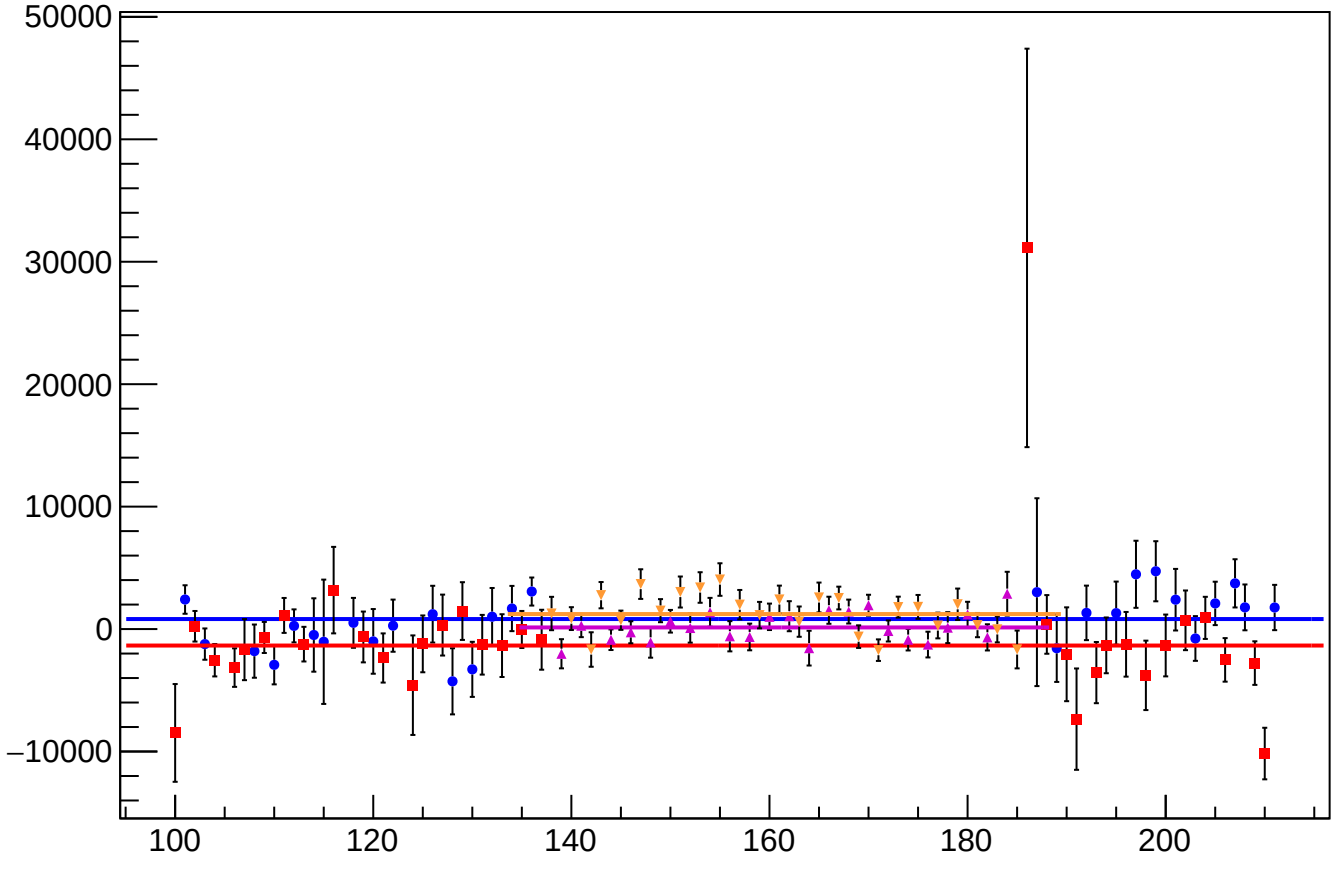
Right: 1416.449+/-0.181 χ^2/NDF: 7838355.1/60

In: 1065.493+/-0.134 χ^2/NDF:6467048.3/50

Out: 1063.693+/-0.130 χ^2/NDF:7995031.4/57

All: 1064.566+/-0.094 χ^2/NDF: 14462172.2/

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 818.263+/-366.789 χ^2/NDF: 33.0/27

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1345.346+/-354.179 χ^2/NDF: 44.7/32

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

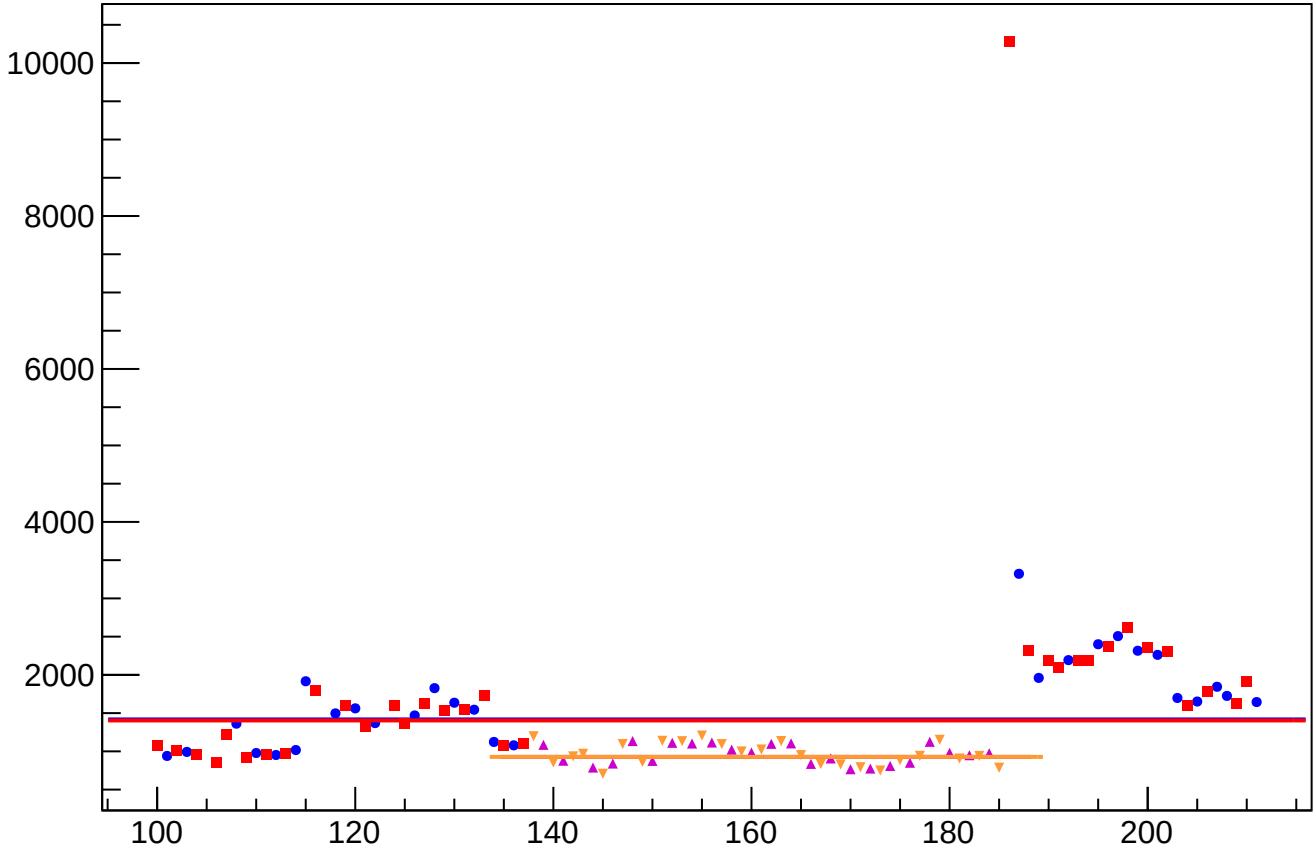
Right: -301.374+/-254.784 χ^2/NDF: 95.8/60

In: 313.306+/-188.209 χ^2/NDF:61.5/50

Out: 538.707+/-183.064 χ^2/NDF:131.9/57

All: 429.130+/-131.227 χ^2/NDF: 194.1/108

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1417.185+/-0.259 χ^2/NDF: 3117237.3/27

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1404.232+/-0.250 χ^2/NDF: 4536611.9/32

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

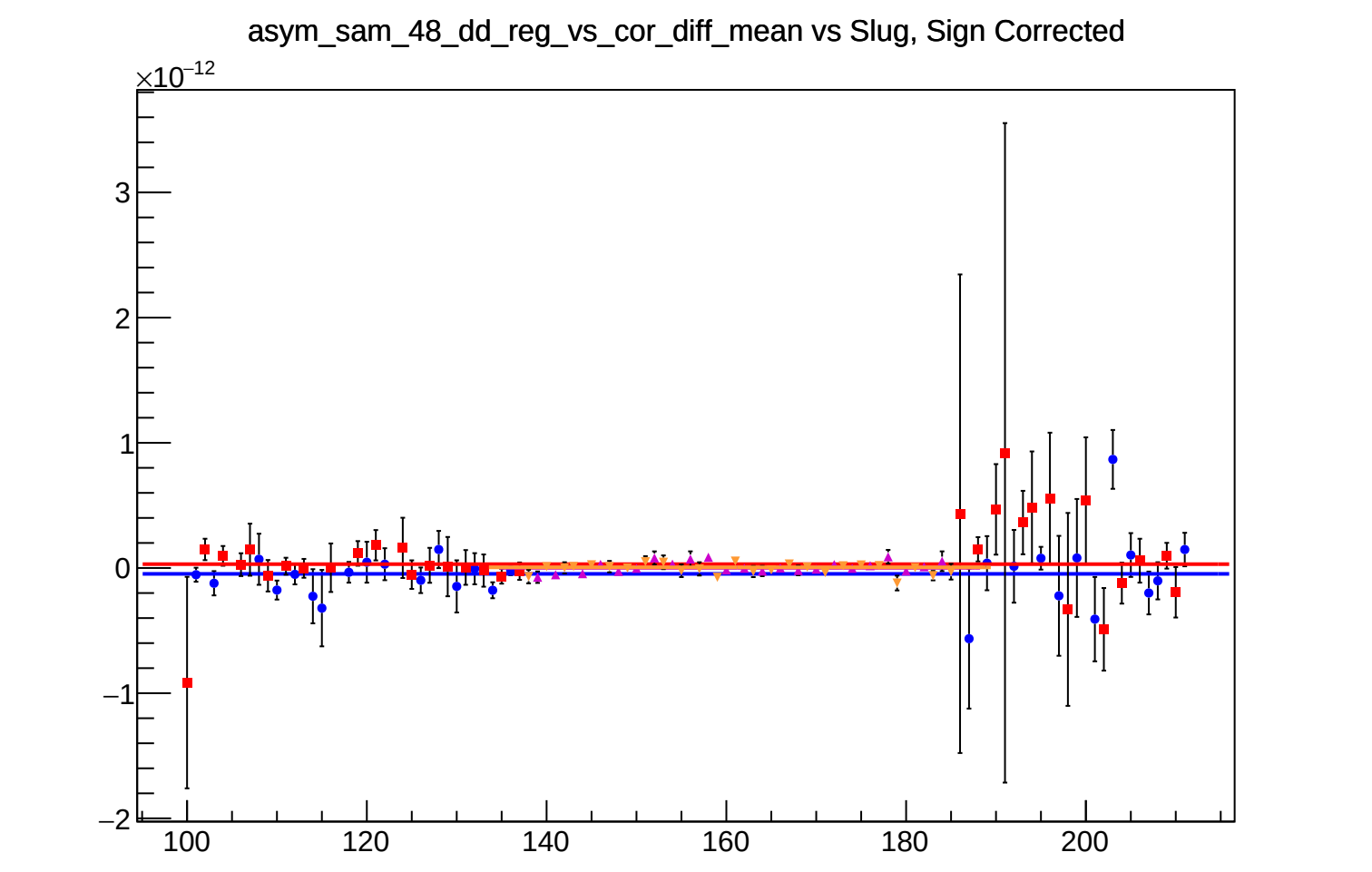
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1410.482+/-0.180 χ^2/NDF: 7655140.1/60

In: 1056.302+/-0.133 χ^2/NDF:6401868.7/50

Out: 1054.940+/-0.129 χ^2/NDF:8066023.9/57

All: 1055.602+/-0.093 χ^2/NDF: 14467946.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 36.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/32

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

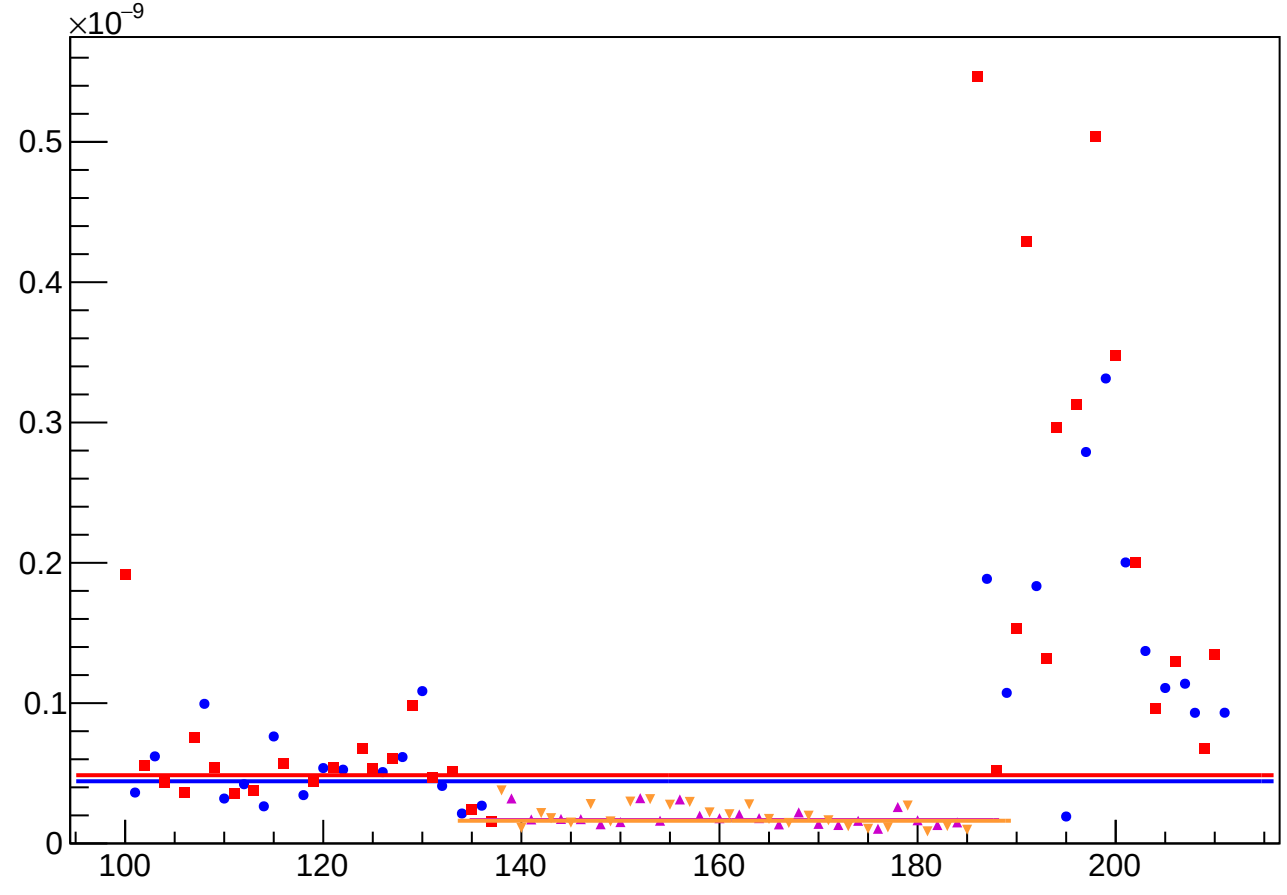
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 68.2/60

In: -0.000+/-0.000 χ^2/NDF:69.2/50

Out: 0.000+/-0.000 χ^2/NDF:51.5/57

All: 0.000+/-0.000 χ^2/NDF: 122.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 5199391.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5725917.0/32

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

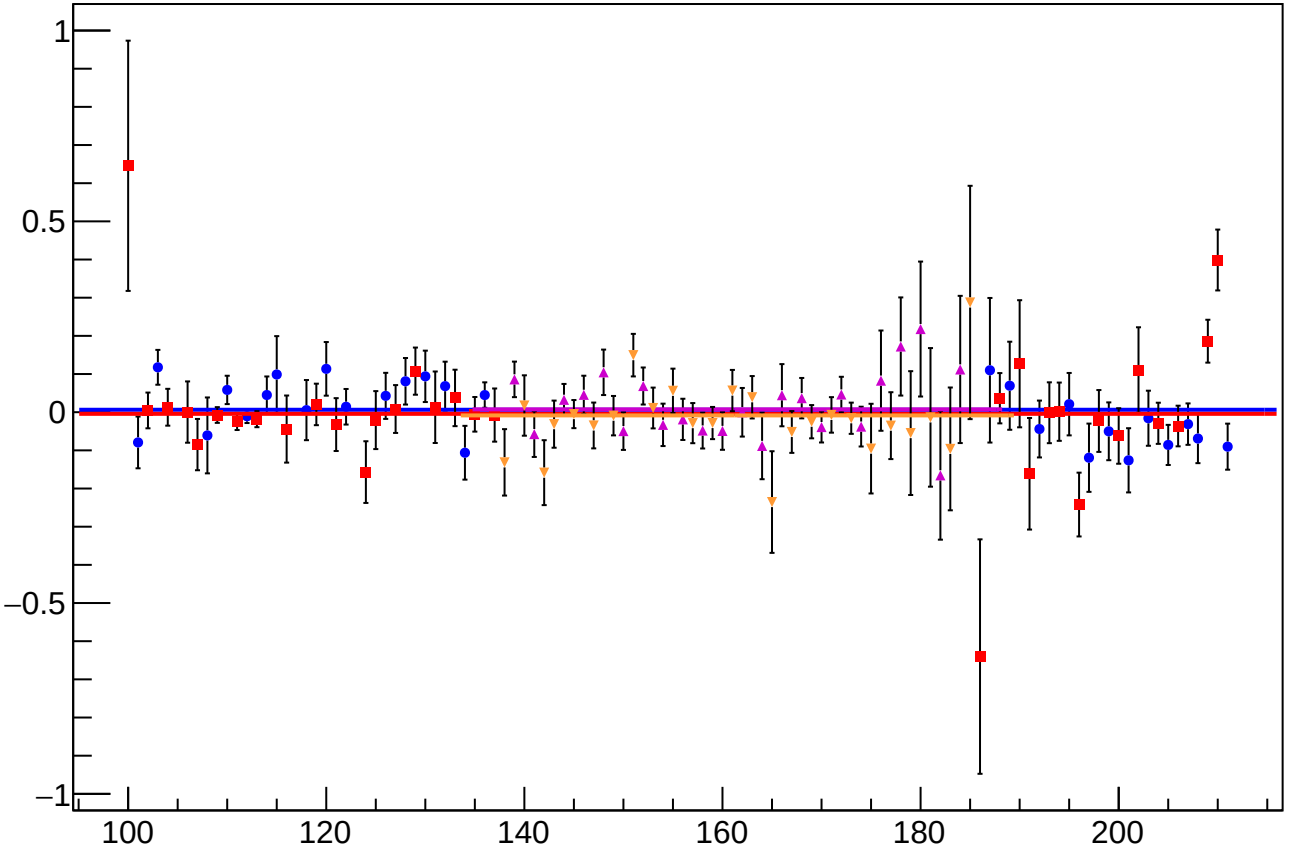
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10968715.3/60

In: 0.000+/-0.000 χ^2/NDF:9503937.1/50

Out: 0.000+/-0.000 χ^2/NDF:12009289.4/57

All: 0.000+/-0.000 χ^2/NDF: 21522162.7/108



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

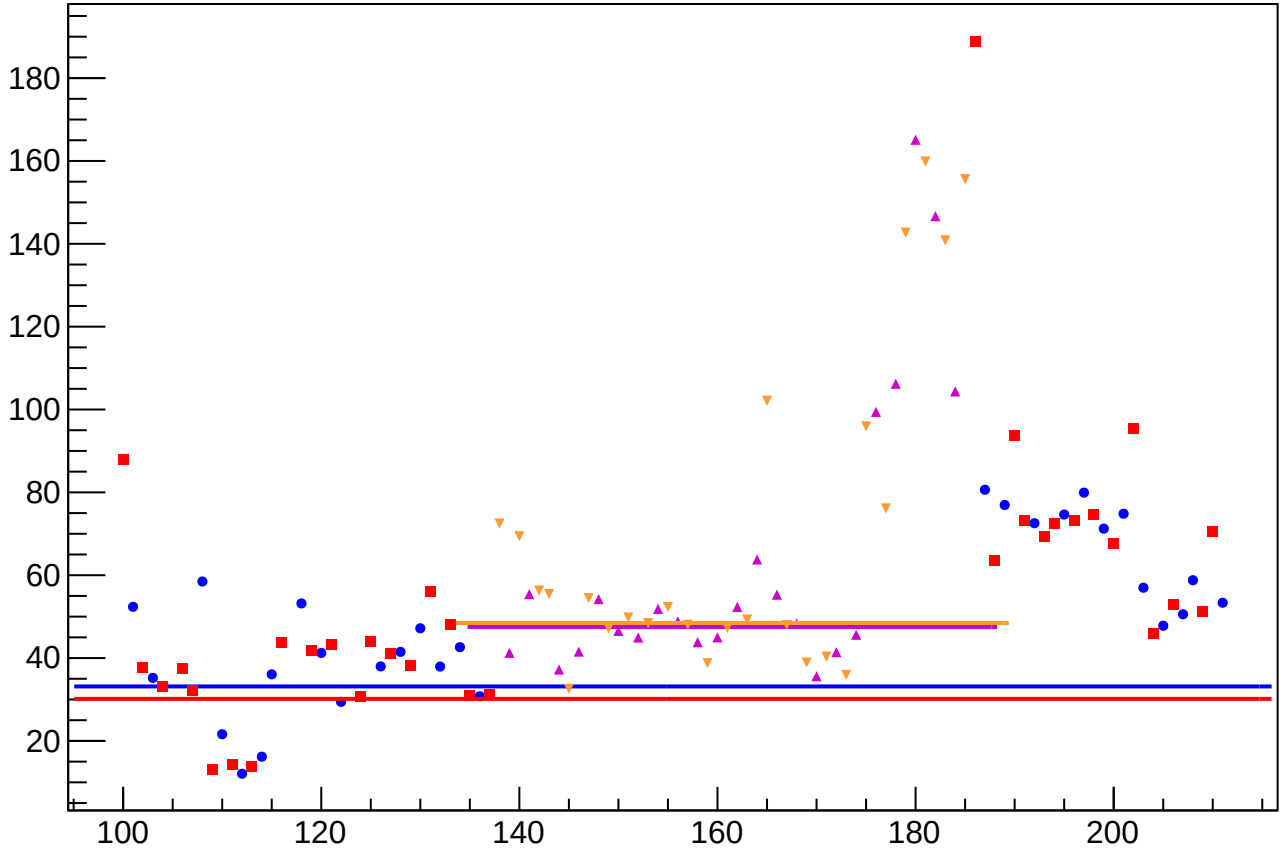
Right: 0.000+/-0.007 χ^2/NDF: 106.0/60

In: 0.007+/-0.008 χ^2/NDF:60.0/50

Out: -0.006+/-0.007 χ^2/NDF:91.8/57

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.153+/-0.007 χ^2/NDF: 8076529.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 30.152+/-0.006 χ^2/NDF: 10627814.9/32

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

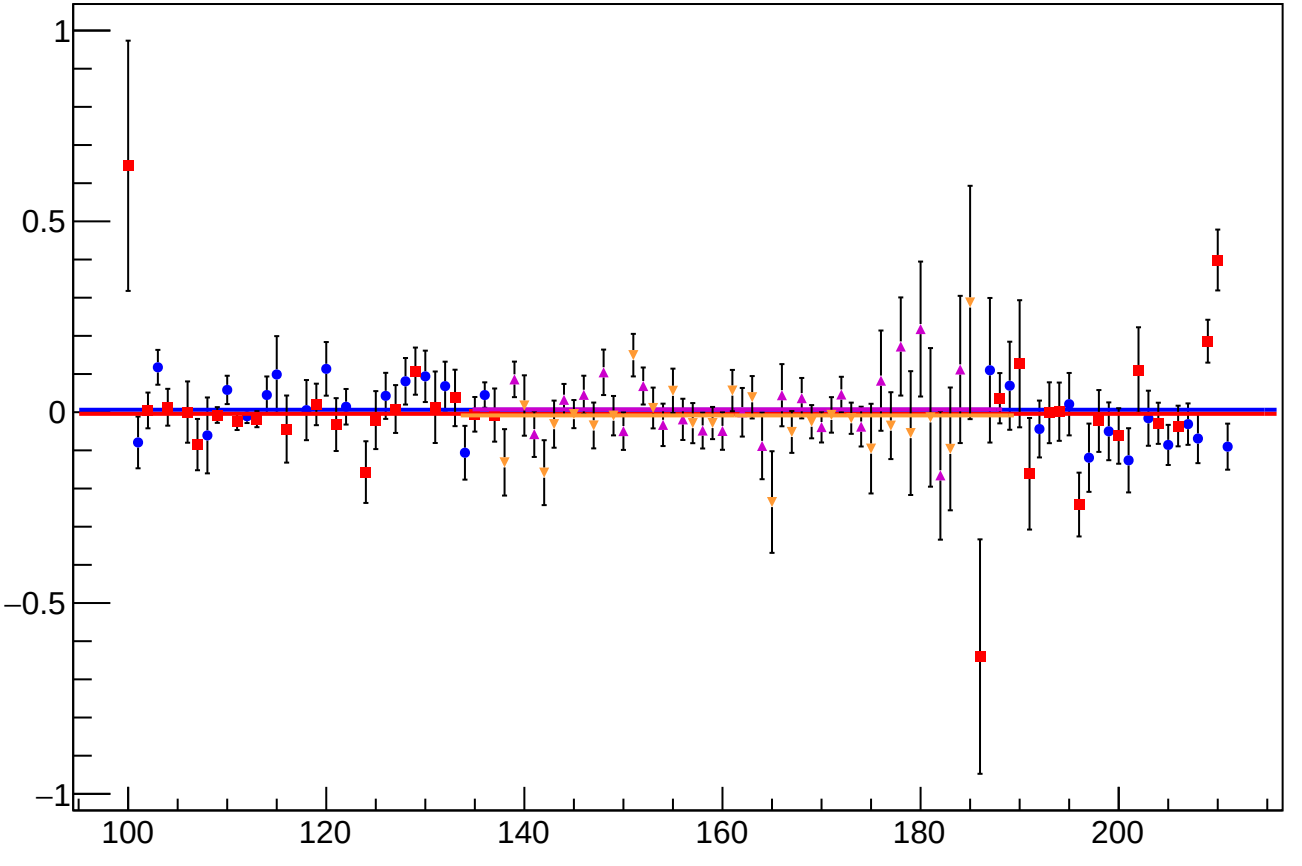
Right: 31.501+/-0.005 χ^2/NDF: 18807896.7/60

In: 38.866+/-0.005 χ^2/NDF:12864524.9/50

Out: 36.592+/-0.005 χ^2/NDF:18020523.2/57

All: 37.656+/-0.004 χ^2/NDF: 30980593.8/108

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

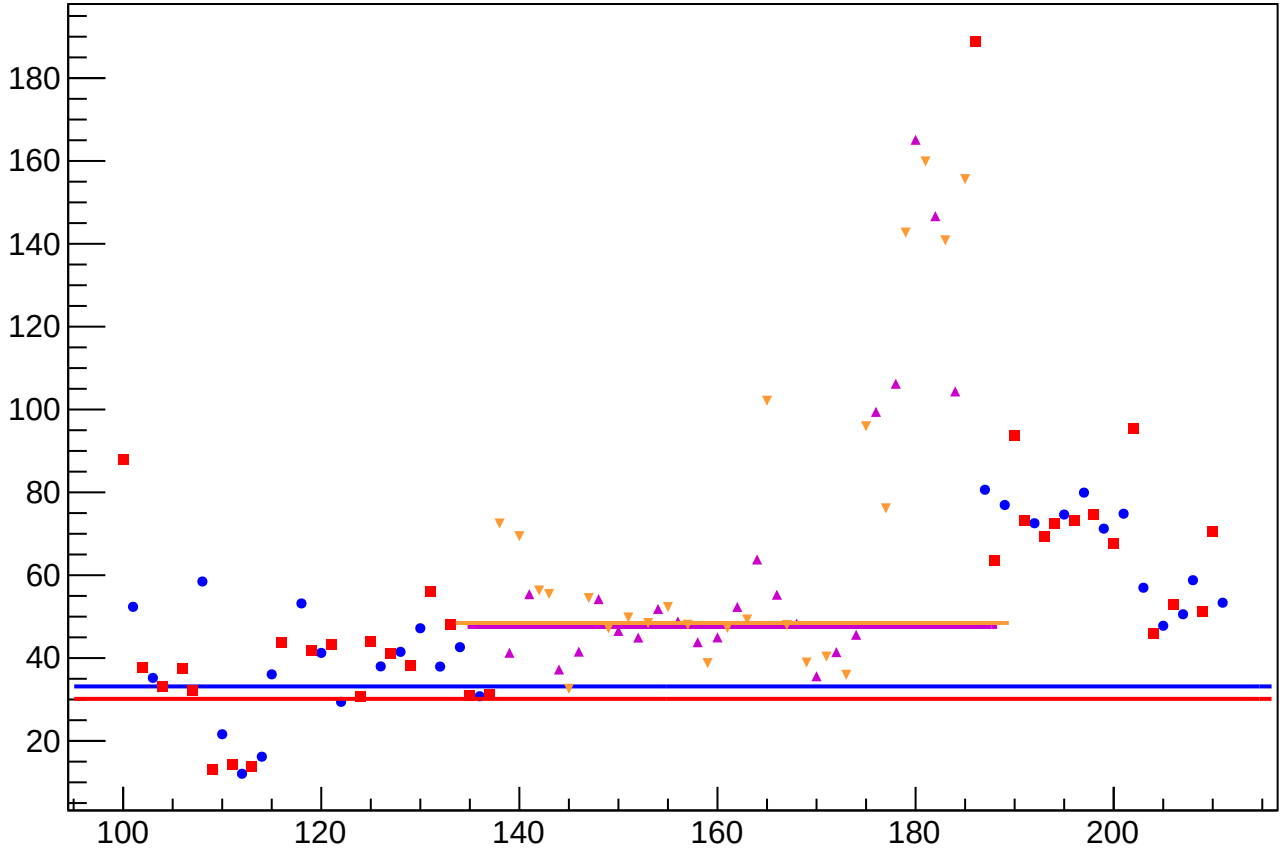
Right: 0.000+/-0.007 χ^2/NDF: 106.0/60

In: 0.007+/-0.008 χ^2/NDF:60.0/50

Out: -0.006+/-0.007 χ^2/NDF:91.8/57

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.153+/-0.007 χ^2/NDF: 8076529.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 30.152+/-0.006 χ^2/NDF: 10627814.9/32

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

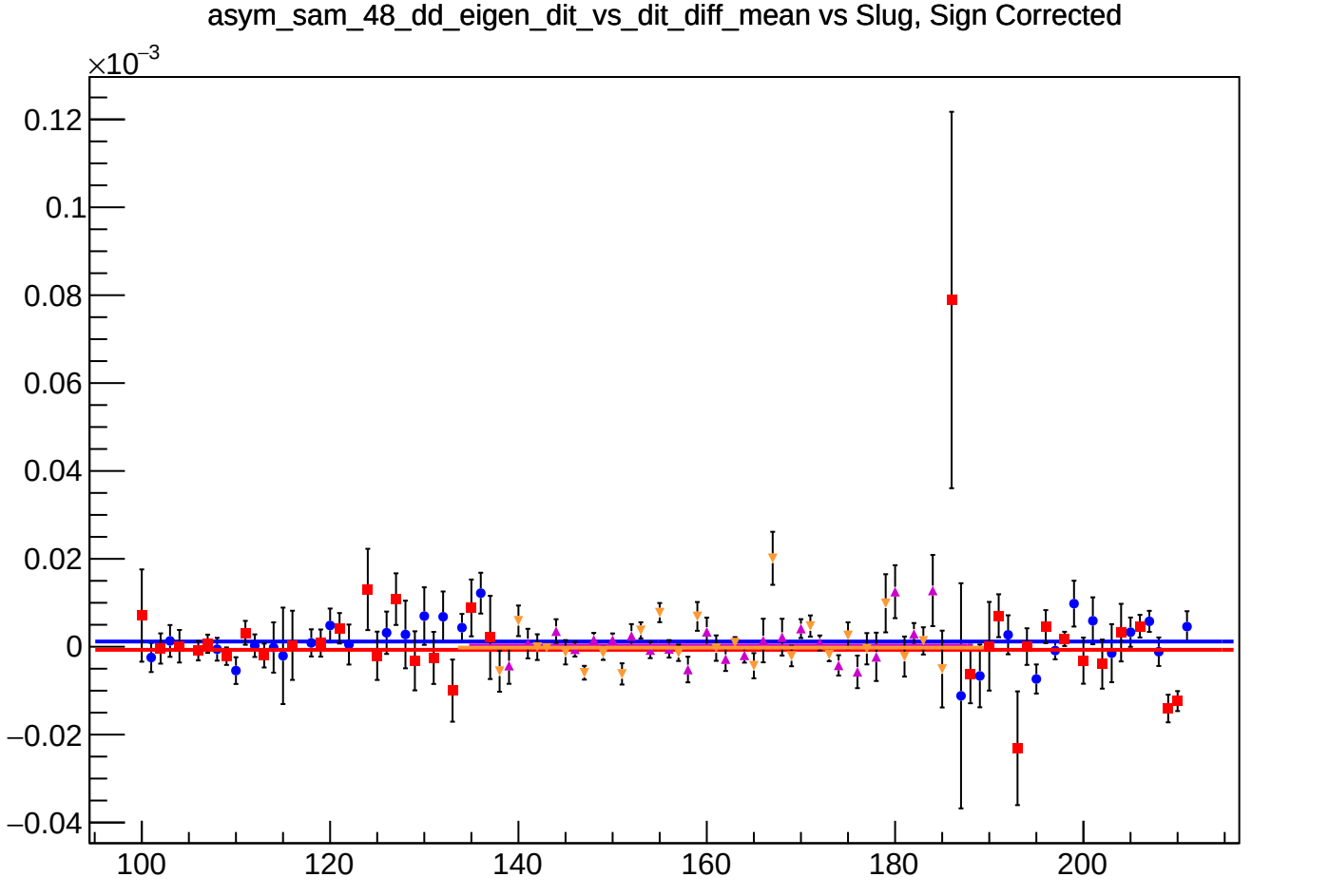
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

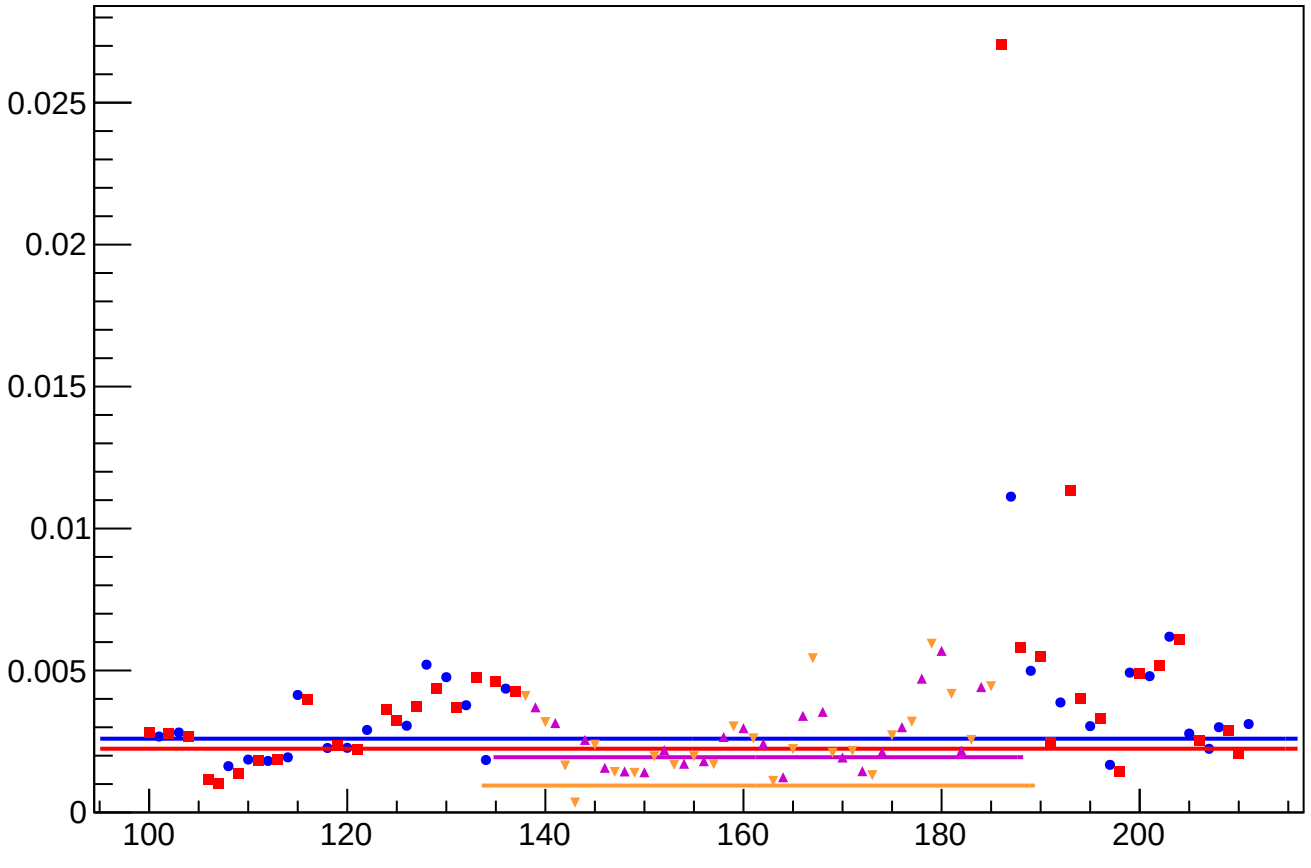
Right: 31.501+/-0.005 χ^2/NDF: 18807896.7/60

In: 38.866+/-0.005 χ^2/NDF:12864524.9/50

Out: 36.592+/-0.005 χ^2/NDF:18020523.2/57

All: 37.656+/-0.004 χ^2/NDF: 30980593.8/108


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.7/27
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 80.1/32
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: -0.000+/-0.000 χ²/NDF: 103.2/47
Right: 0.000+/-0.000 χ²/NDF: 118.9/60
In: 0.000+/-0.000 χ²/NDF:66.7/50
Out: -0.000+/-0.000 χ²/NDF:152.3/57
All: -0.000+/-0.000 χ²/NDF: 222.3/108



Right In: 0.003+/-0.000 χ^2/NDF: 4184181.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8341705.2/32

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

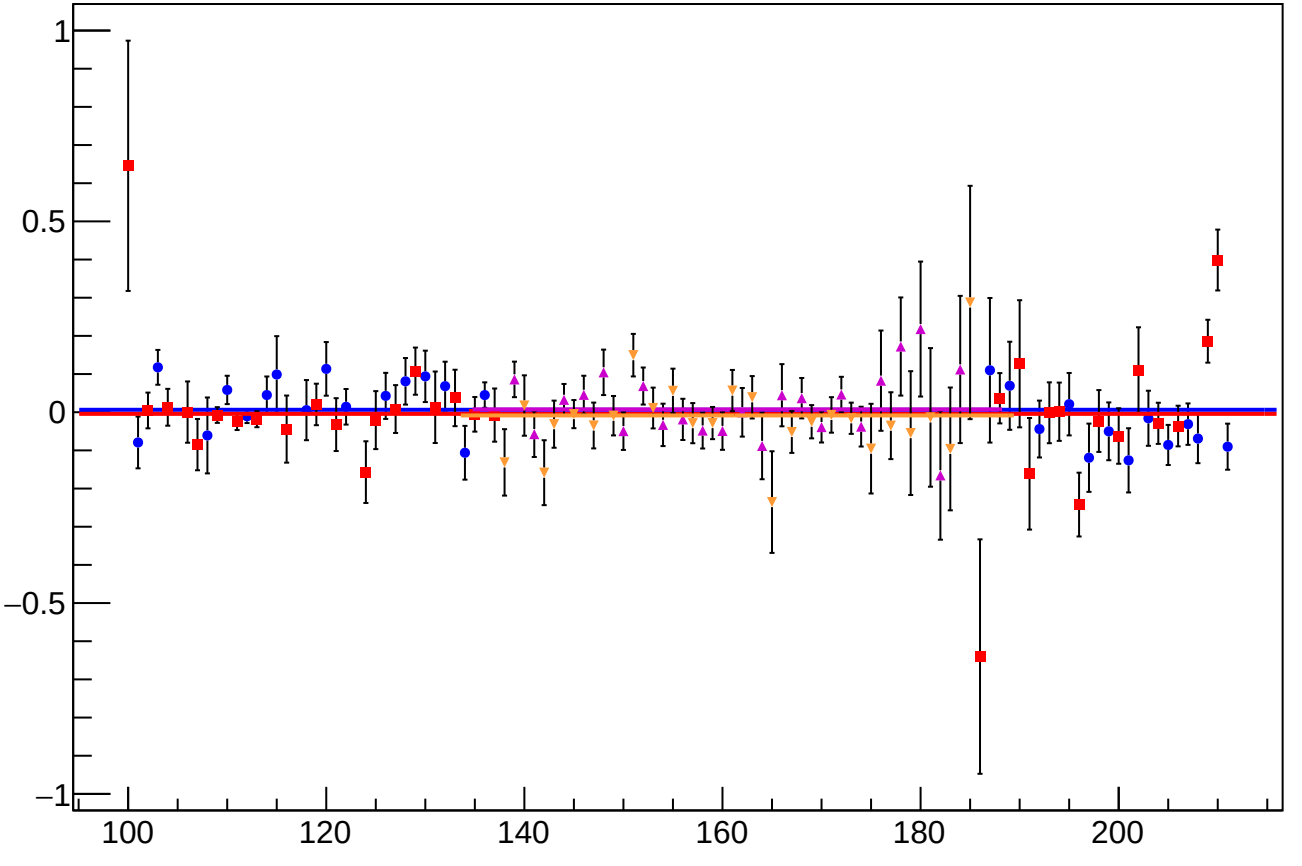
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12812477.9/60

In: 0.002+/-0.000 χ^2/NDF:9703359.5/50

Out: 0.001+/-0.000 χ^2/NDF:33137330.3/57

All: 0.001+/-0.000 χ^2/NDF: 50728490.1/108



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

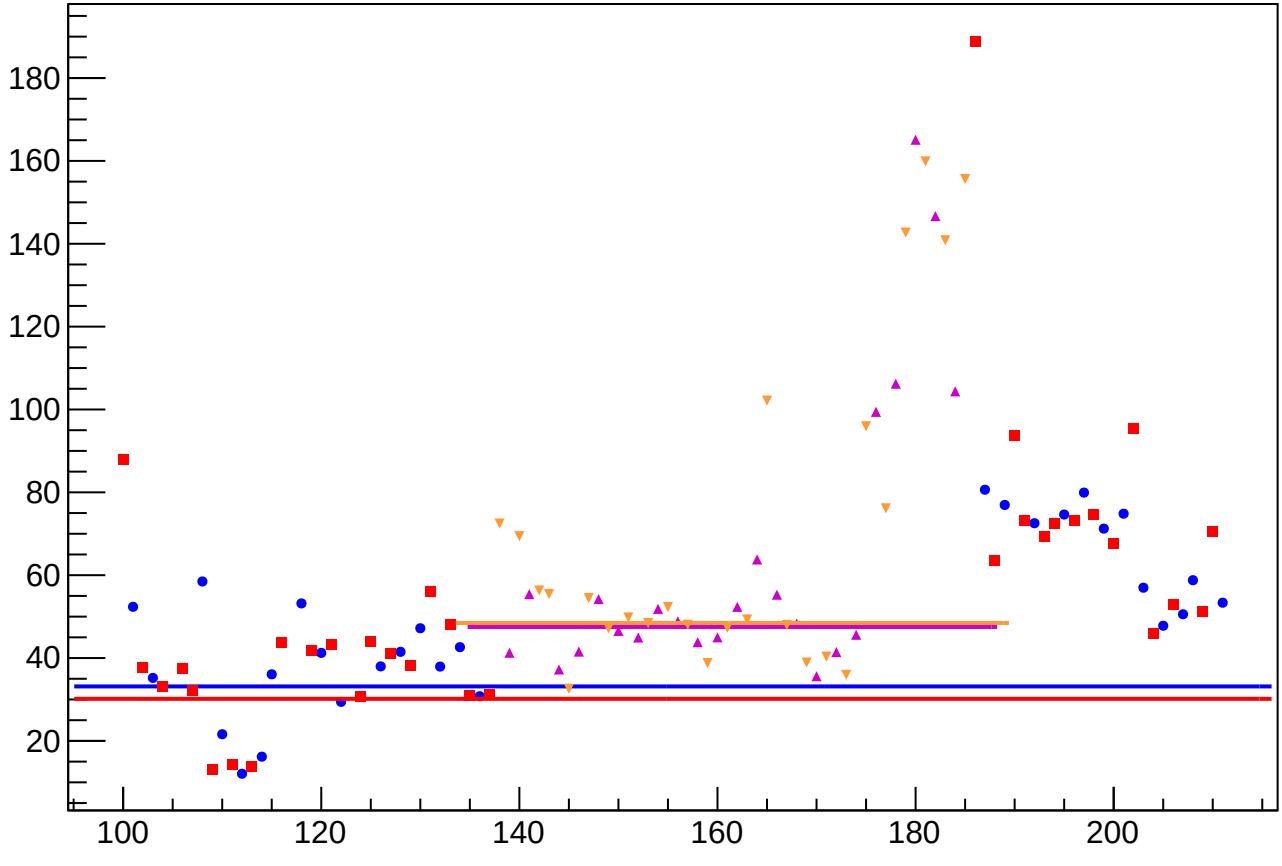
Right: 0.000+/-0.007 χ^2/NDF: 106.0/60

In: 0.007+/-0.008 χ^2/NDF:60.0/50

Out: -0.006+/-0.007 χ^2/NDF:91.8/57

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.151+/-0.007 χ^2/NDF: 8077333.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 30.152+/-0.006 χ^2/NDF: 10628117.1/32

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

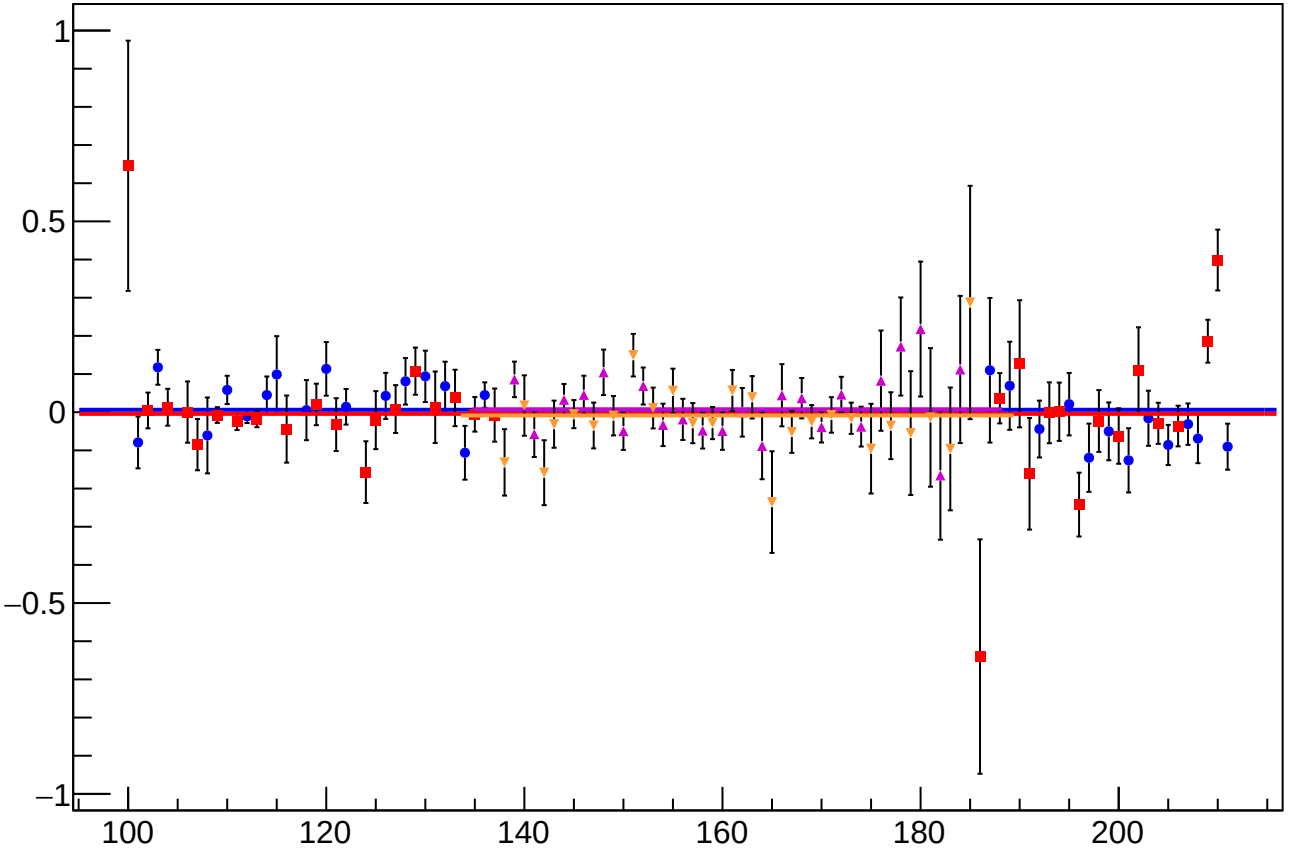
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 31.500+/-0.005 χ^2/NDF: 18808934.3/60

In: 38.865+/-0.005 χ^2/NDF:12865699.8/50

Out: 36.591+/-0.005 χ^2/NDF:18020981.6/57

All: 37.655+/-0.004 χ^2/NDF: 30982169.1/108



Right In: 0.006+/-0.010 χ^2/NDF: 36.8/27

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.004+/-0.009 χ^2/NDF: 68.6/32

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

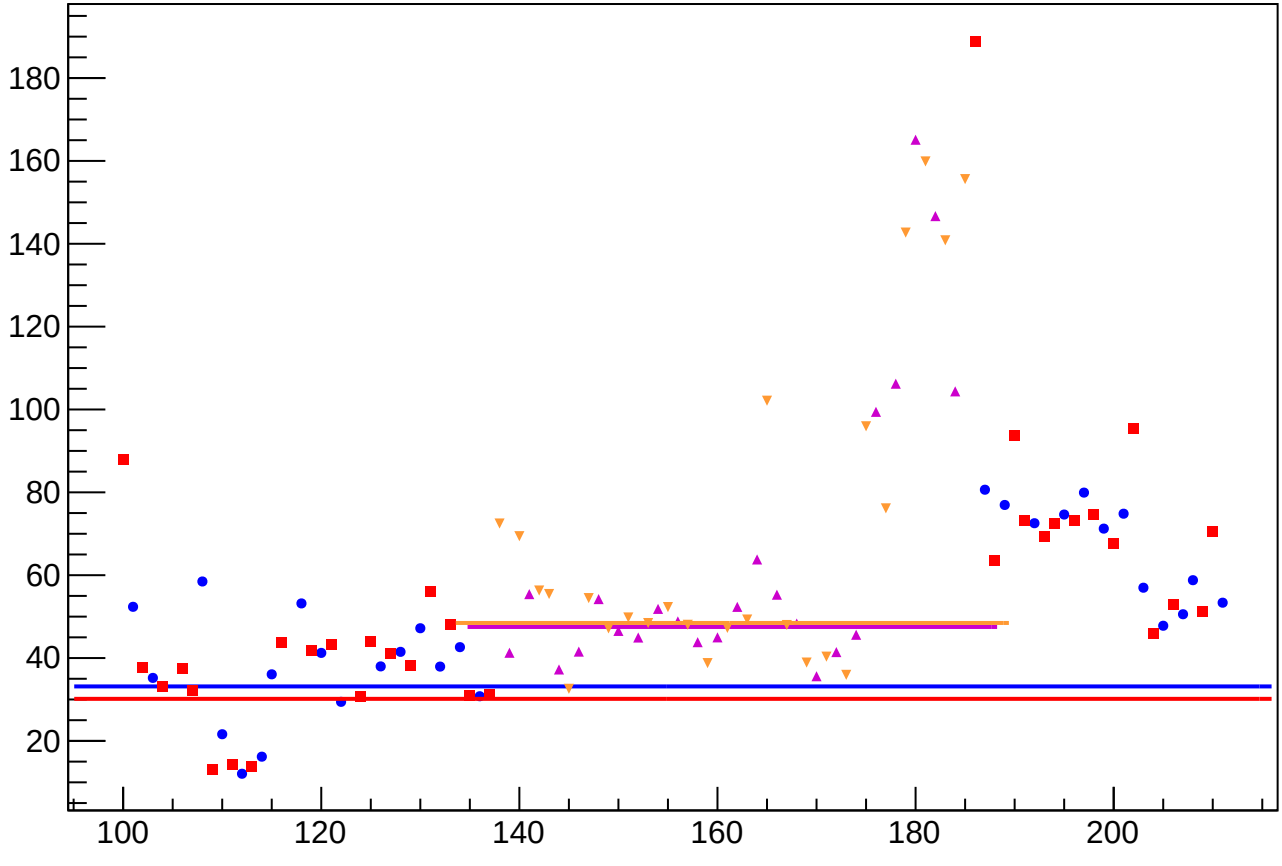
Right: 0.000+/-0.007 χ^2/NDF: 106.0/60

In: 0.007+/-0.008 χ^2/NDF:60.0/50

Out: -0.006+/-0.007 χ^2/NDF:91.8/57

All: 0.000+/-0.005 χ^2/NDF: 153.3/108

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.151+/-0.007 χ^2/NDF: 8077333.6/27

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 30.152+/-0.006 χ^2/NDF: 10628117.1/32

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

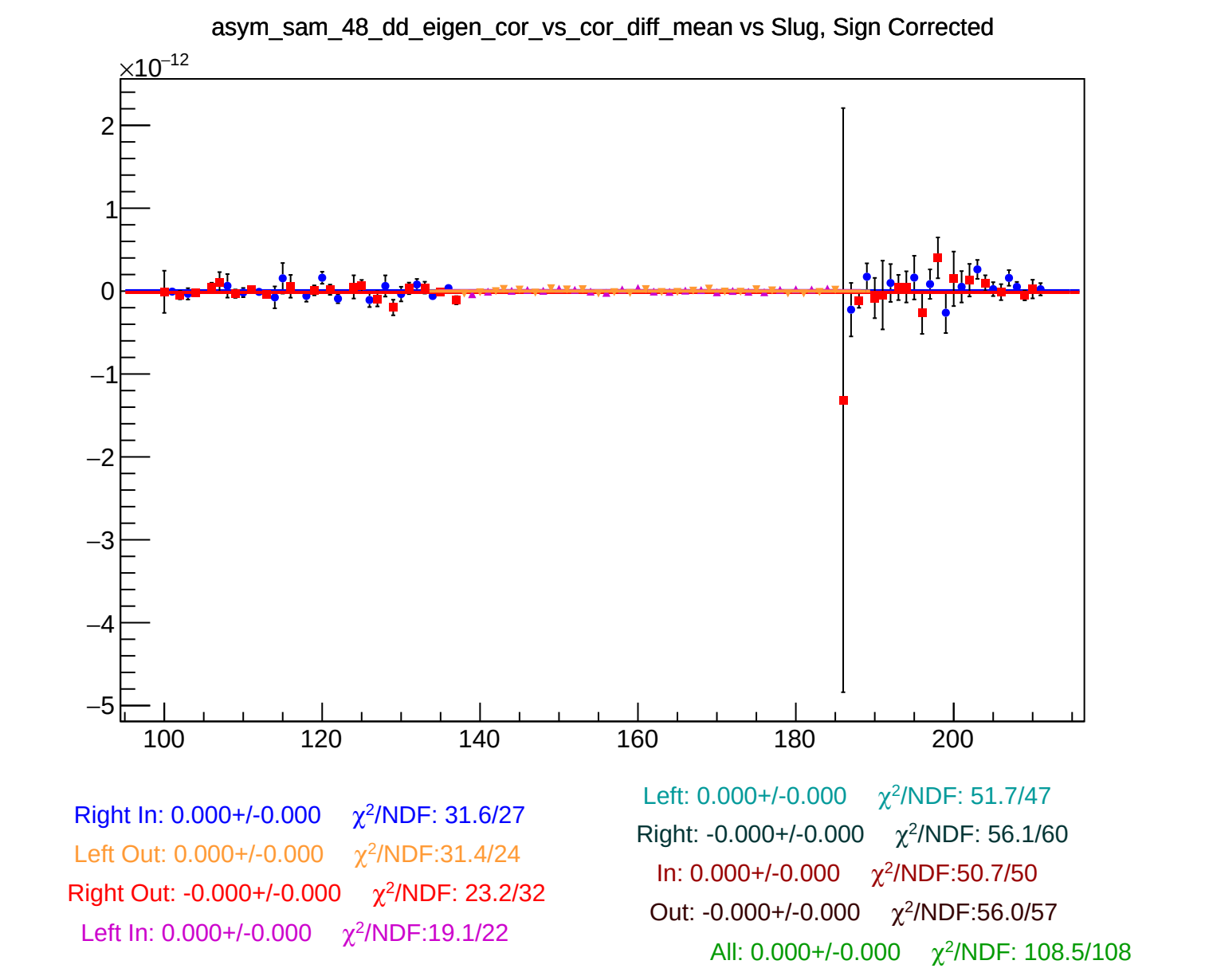
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 31.500+/-0.005 χ^2/NDF: 18808934.3/60

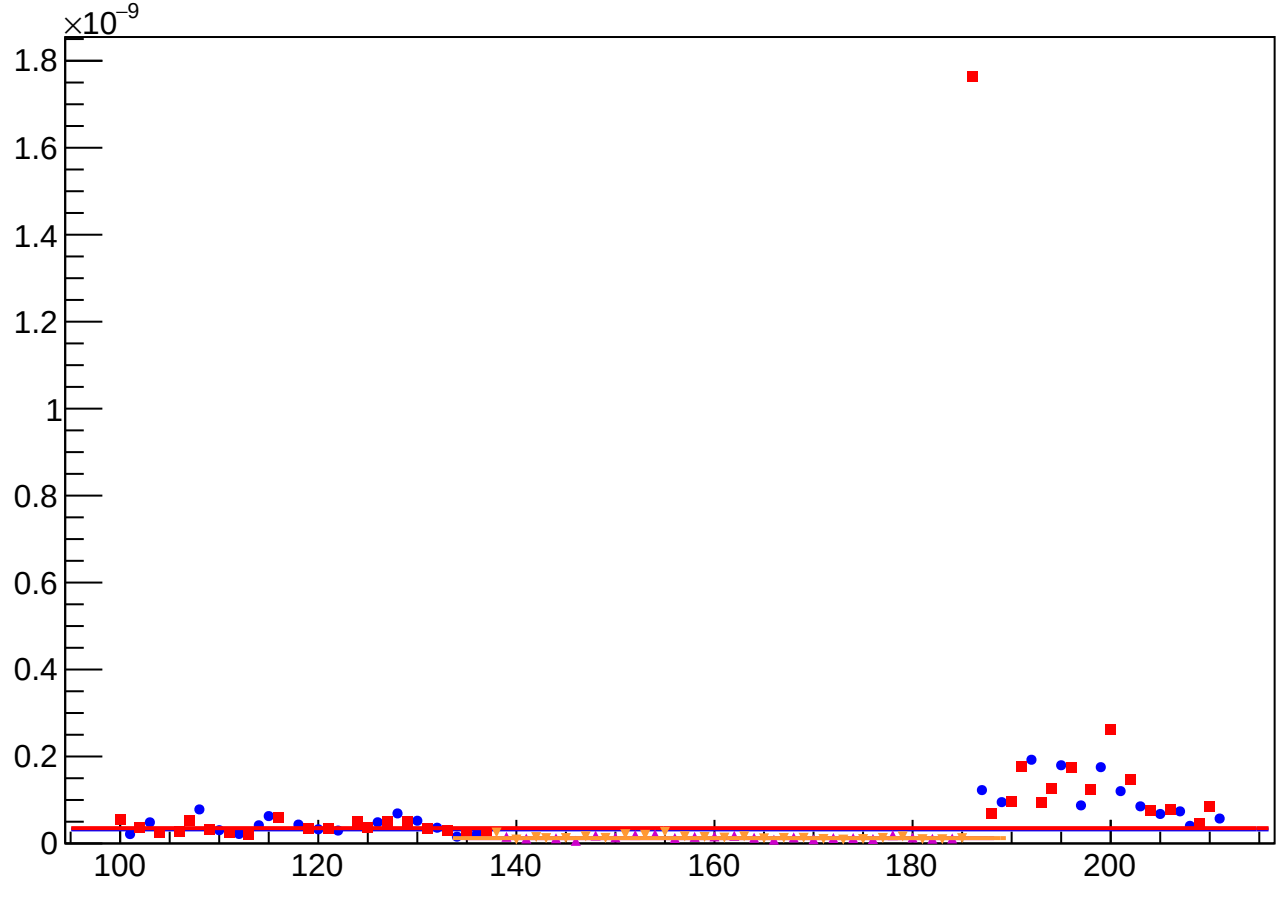
In: 38.865+/-0.005 χ^2/NDF:12865699.8/50

Out: 36.591+/-0.005 χ^2/NDF:18020981.6/57

All: 37.655+/-0.004 χ^2/NDF: 30982169.1/108


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: 31.6/27
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/32
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: 56.1/60
In: 0.000+/-0.000 χ²/NDF:50.7/50
Out: -0.000+/-0.000 χ²/NDF:56.0/57
All: 0.000+/-0.000 χ²/NDF: 108.5/108

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6929421.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6937588.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

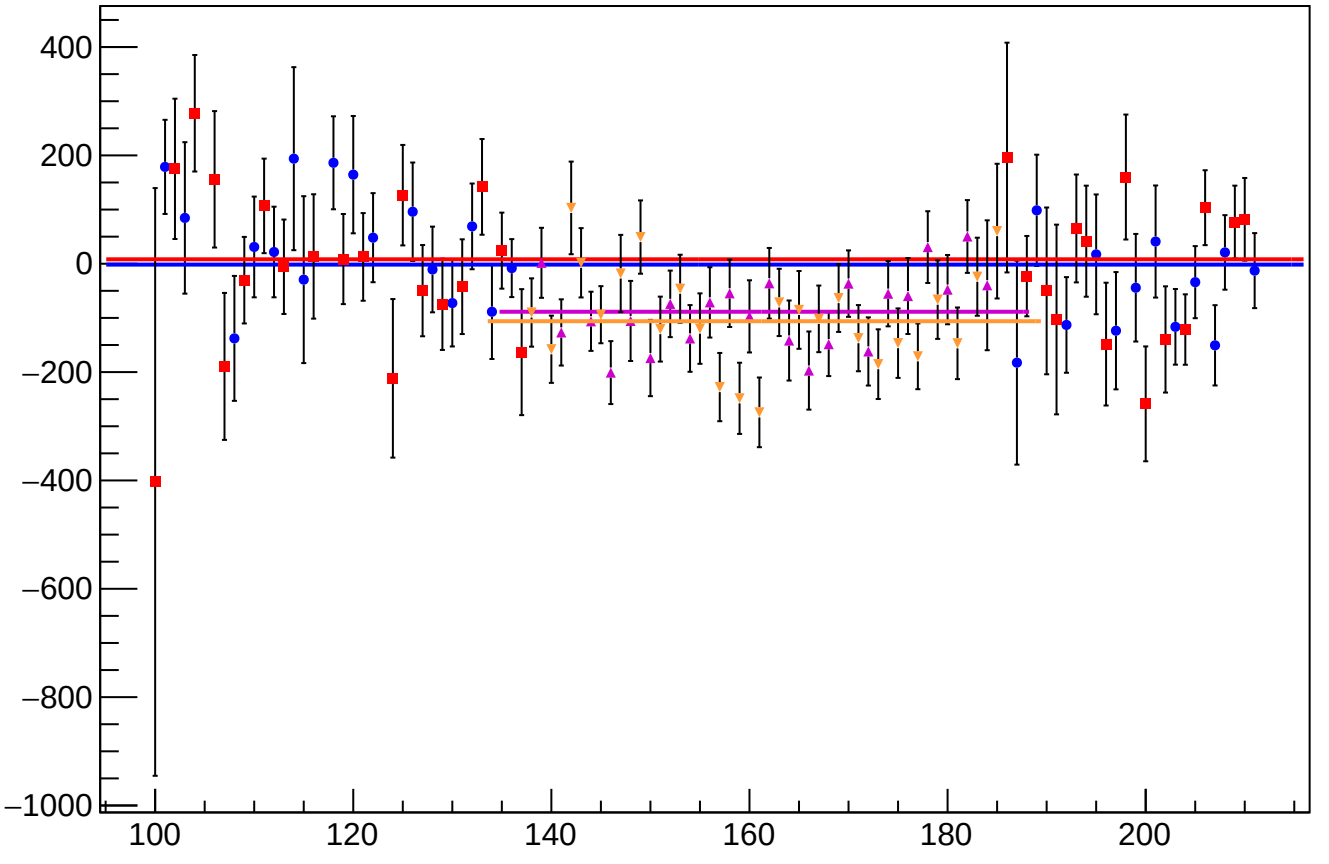
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13923815.4/60

In: 0.000+/-0.000 χ^2/NDF:14140323.4/50

Out: 0.000+/-0.000 χ^2/NDF:15228157.6/57

All: 0.000+/-0.000 χ^2/NDF: 29368596.3/108



Right In: -1.579+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 8.194+/-16.440 χ^2/NDF: 45.8/32

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

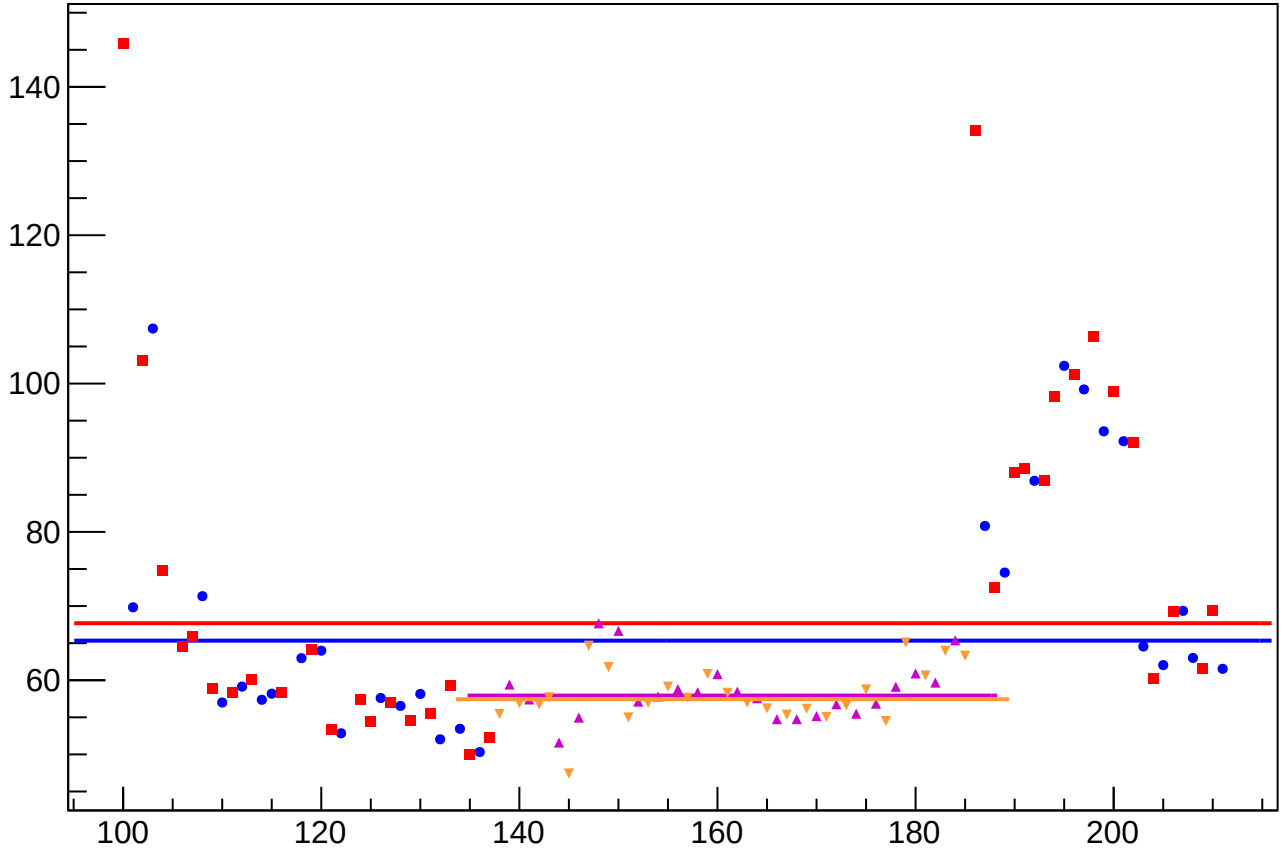
Right: 3.316+/-11.635 χ^2/NDF: 77.1/60

In: -53.431+/-10.471 χ^2/NDF:71.7/50

Out: -61.756+/-10.240 χ^2/NDF:116.0/57

All: -57.687+/-7.321 χ^2/NDF: 188.1/108

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.337+/-0.012 χ^2/NDF: 1467569.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.684+/-0.012 χ^2/NDF: 1956867.2/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

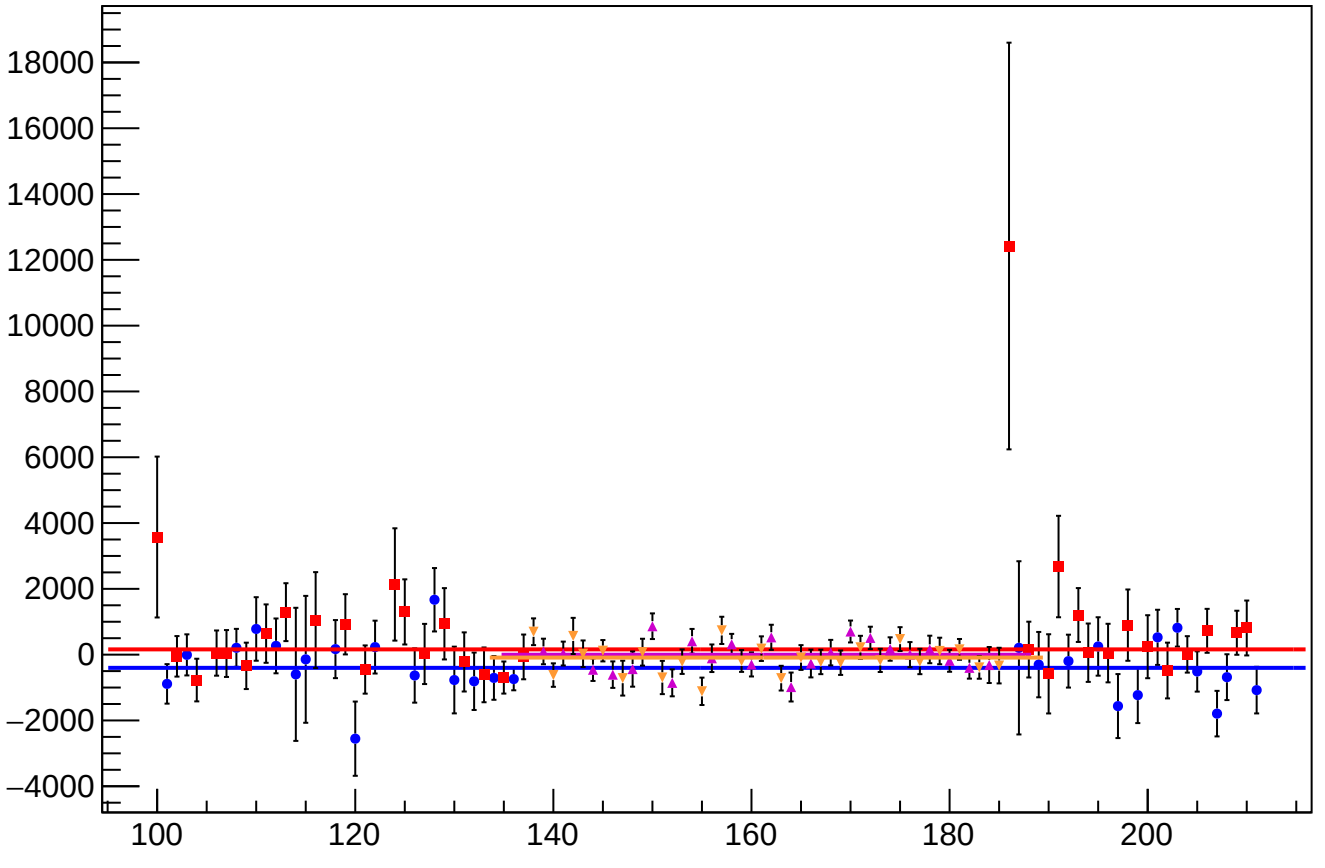
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.513+/-0.008 χ^2/NDF: 3444796.0/60

In: 60.926+/-0.007 χ^2/NDF:1844305.6/50

Out: 61.415+/-0.007 χ^2/NDF:2606730.2/57

All: 61.176+/-0.005 χ^2/NDF: 4453264.0/108



Right In: -401.250+/-140.917 χ^2/NDF: 29.2/27

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 160.163+/-143.017 χ^2/NDF: 27.5/32

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

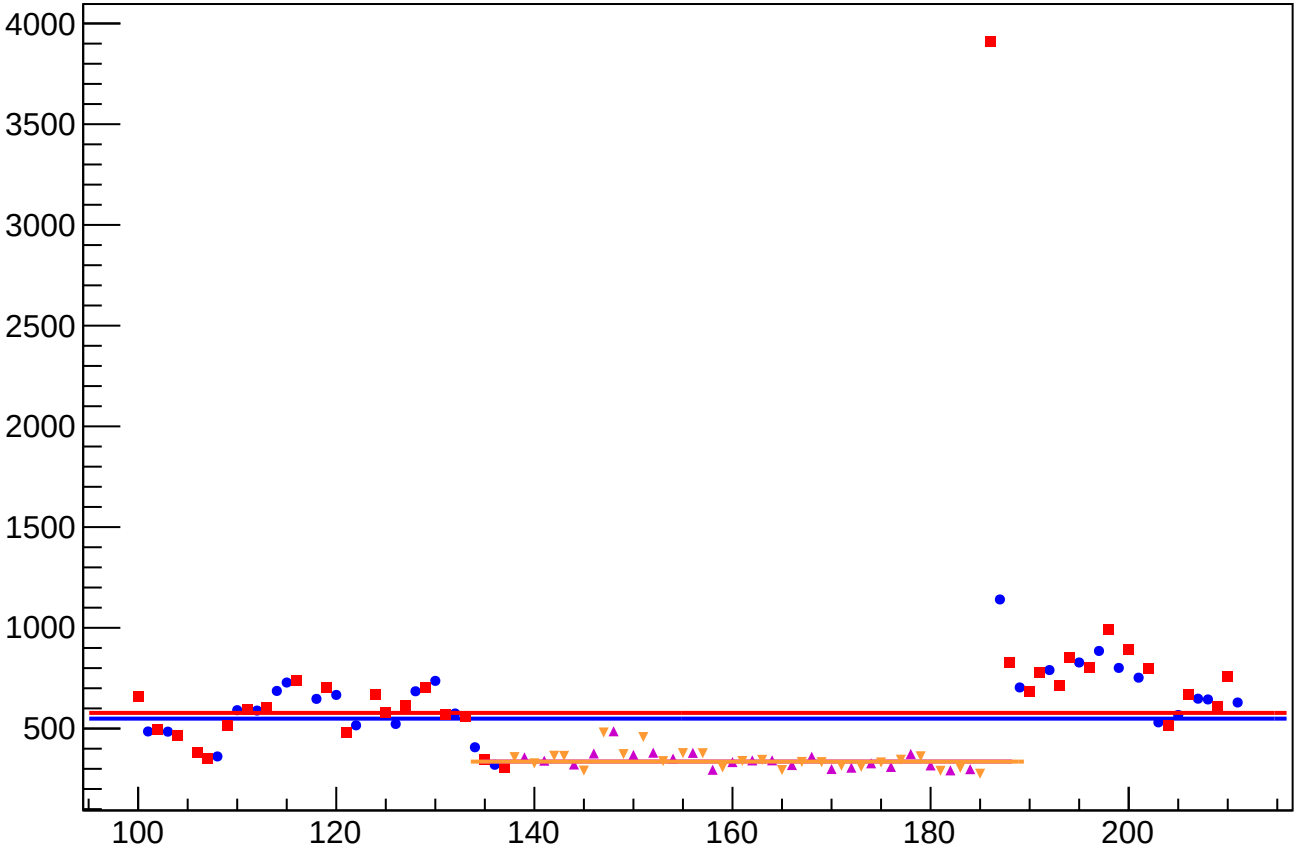
Right: -124.696+/-100.378 χ^2/NDF: 64.5/60

In: -98.623+/-69.038 χ^2/NDF:68.9/50

Out: -33.039+/-67.806 χ^2/NDF:59.8/57

All: -65.240+/-48.376 χ^2/NDF: 129.1/108

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 549.161+/-0.100 χ^2/NDF: 2609865.2/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 577.655+/-0.101 χ^2/NDF: 3368273.6/32

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

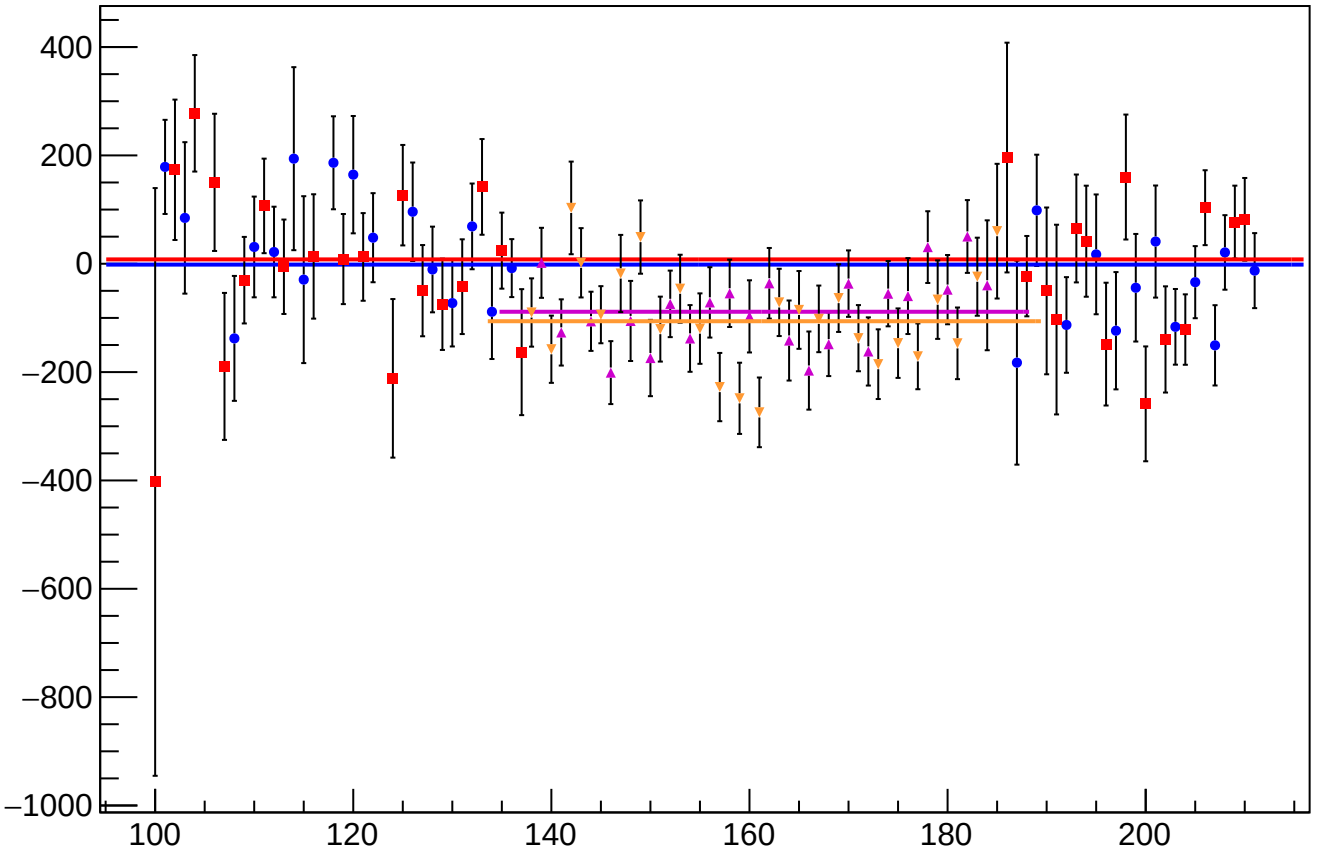
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 563.197+/-0.071 χ^2/NDF: 6018418.9/60

In: 387.424+/-0.049 χ^2/NDF:6490789.5/50

Out: 390.237+/-0.048 χ^2/NDF:8332559.9/57

All: 388.856+/-0.034 χ^2/NDF: 14825039.5/10



Right In: -1.583+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 8.040+/-16.441 χ^2/NDF: 45.6/32

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

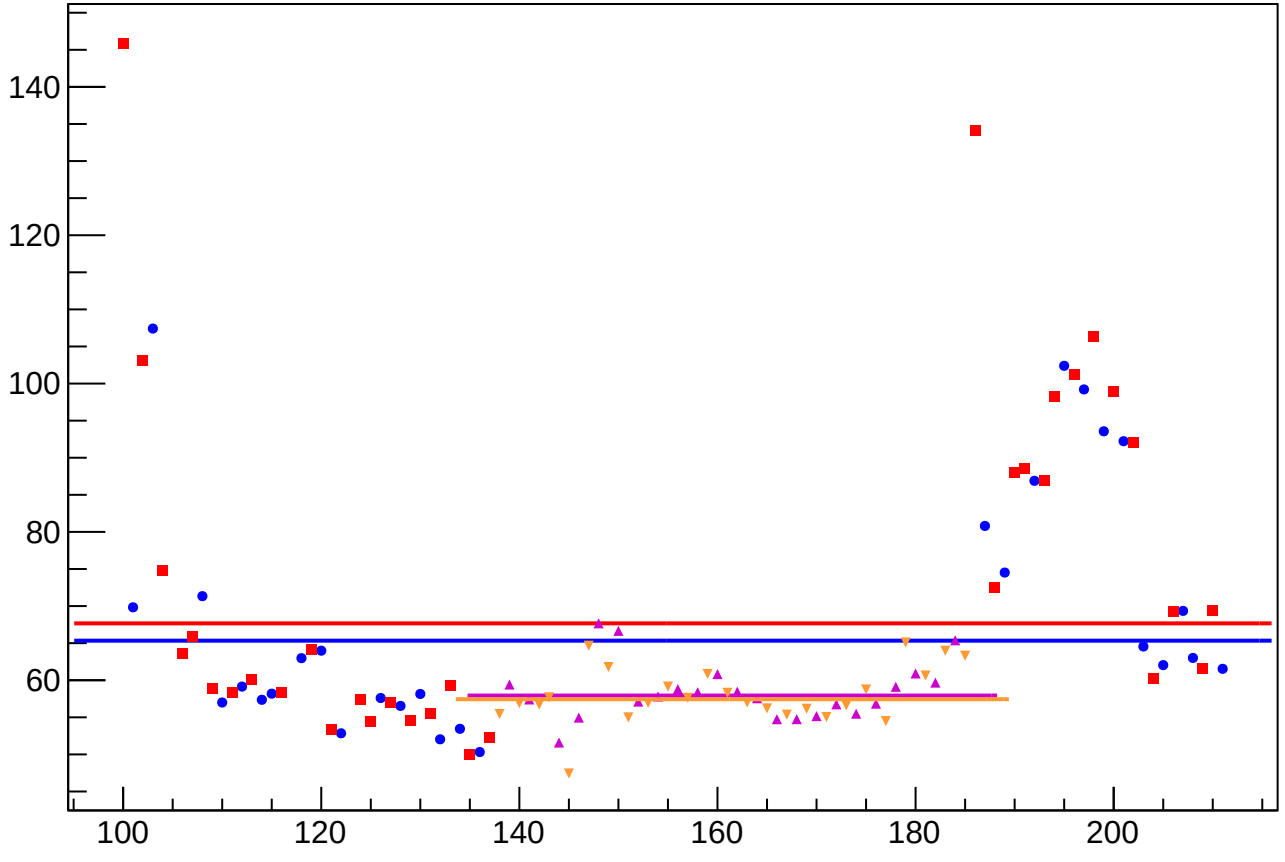
Right: 3.236+/-11.635 χ^2/NDF: 77.0/60

In: -53.435+/-10.471 χ^2/NDF:71.7/50

Out: -61.822+/-10.240 χ^2/NDF:115.8/57

All: -57.721+/-7.321 χ^2/NDF: 187.8/108

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.337+/-0.012 χ^2/NDF: 1467571.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.669+/-0.012 χ^2/NDF: 1957947.6/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

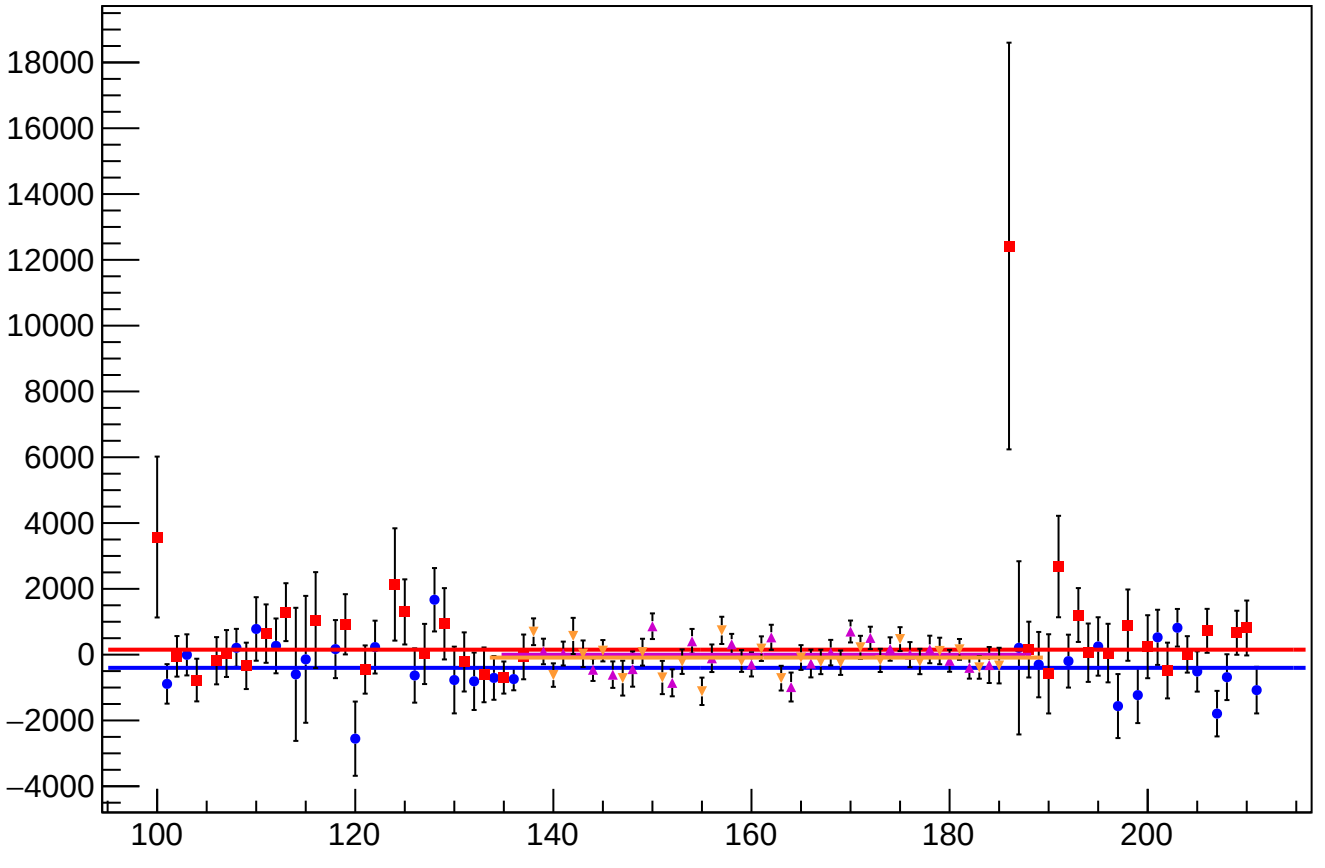
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.505+/-0.008 χ^2/NDF: 3445602.1/60

In: 60.926+/-0.007 χ^2/NDF:1844307.6/50

Out: 61.408+/-0.007 χ^2/NDF:2606280.8/57

All: 61.172+/-0.005 χ^2/NDF: 4452756.4/108



Right In: -401.232+/-140.918 χ^2/NDF: 29.2/27

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 151.326+/-143.286 χ^2/NDF: 27.7/32

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

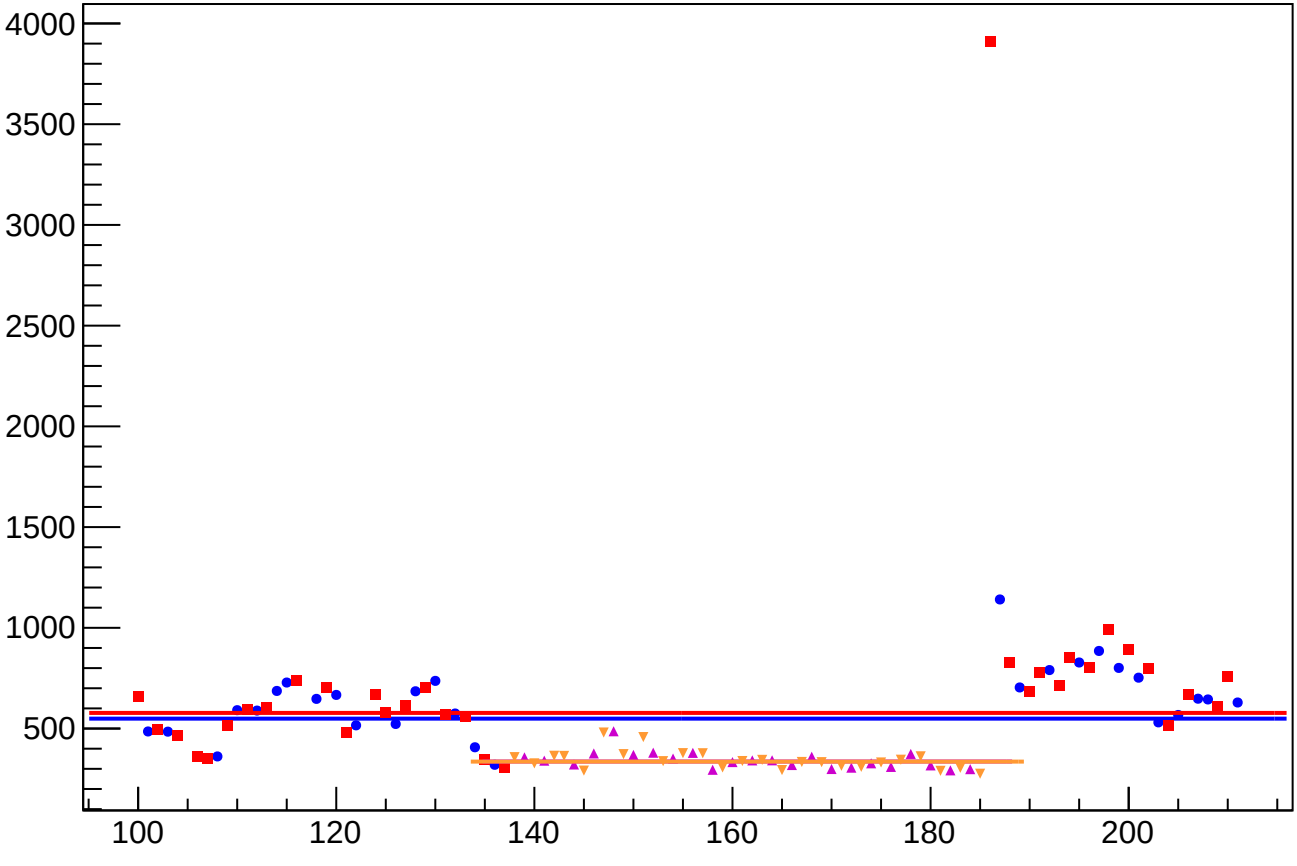
Right: -129.557+/-100.471 χ^2/NDF: 64.5/60

In: -98.619+/-69.038 χ^2/NDF:68.9/50

Out: -35.184+/-67.834 χ^2/NDF:59.8/57

All: -66.344+/-48.386 χ^2/NDF: 129.1/108

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 549.163+/-0.100 χ^2/NDF: 2609836.9/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF: 3387628.8/32

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

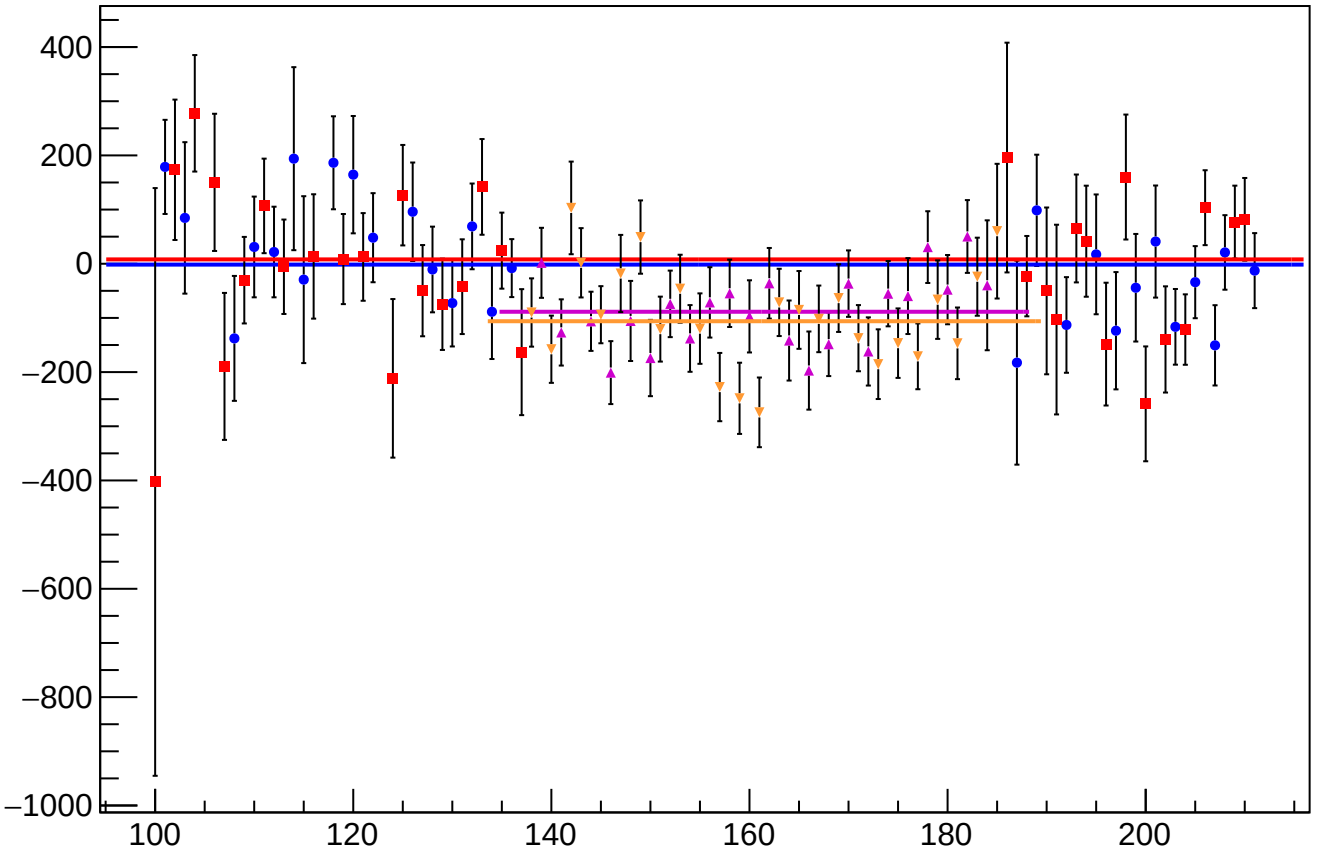
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 563.131+/-0.071 χ^2/NDF: 6037431.2/60

In: 387.424+/-0.049 χ^2/NDF:6490820.4/50

Out: 390.060+/-0.048 χ^2/NDF:8336022.9/57

All: 388.765+/-0.034 χ^2/NDF: 14828327.1/10



Right In: -1.583+/-16.468 χ^2/NDF: 31.2/27

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 8.040+/-16.441 χ^2/NDF: 45.6/32

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

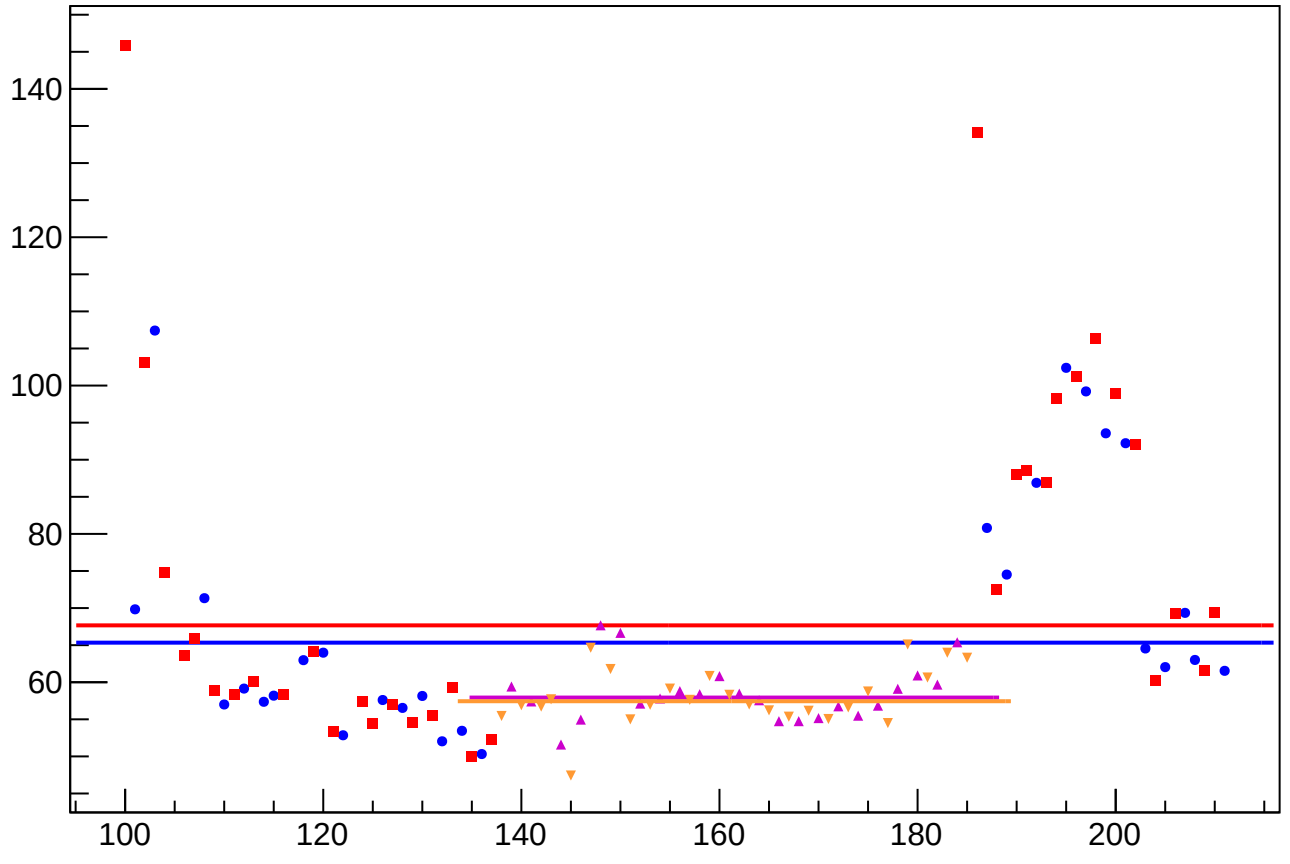
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 3.236+/-11.635 χ^2/NDF: 77.0/60

In: -53.435+/-10.471 χ^2/NDF:71.7/50

Out: -61.822+/-10.240 χ^2/NDF:115.8/57

All: -57.721+/-7.321 χ^2/NDF: 187.8/108



Right In: 65.337+/-0.012 χ^2/NDF: 1467571.6/27

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.669+/-0.012 χ^2/NDF: 1957947.6/32

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

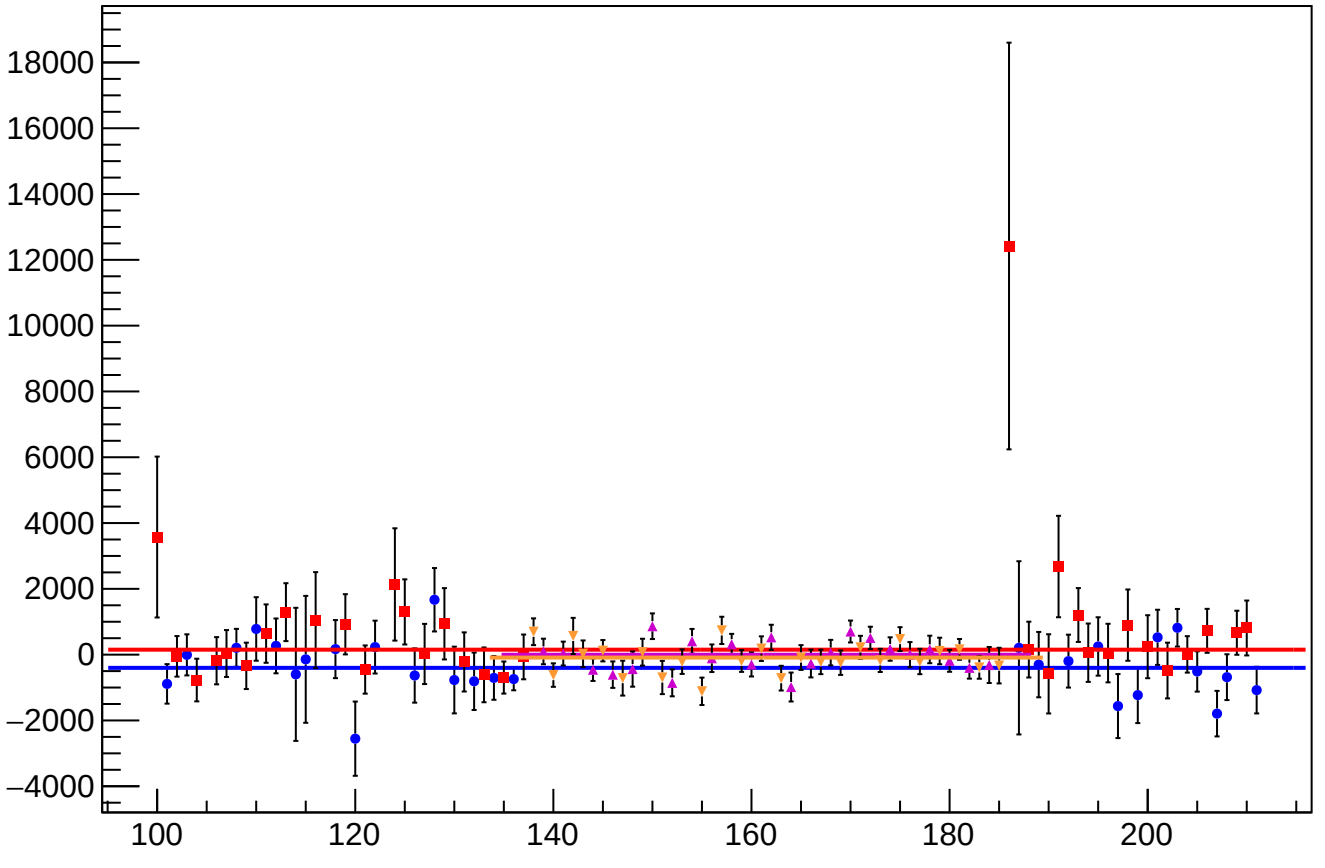
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.505+/-0.008 χ^2/NDF: 3445602.1/60

In: 60.926+/-0.007 χ^2/NDF:1844307.6/50

Out: 61.408+/-0.007 χ^2/NDF:2606280.8/57

All: 61.172+/-0.005 χ^2/NDF: 4452756.4/108



Right In: -401.232+/-140.918 χ^2/NDF: 29.2/27

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 151.326+/-143.286 χ^2/NDF: 27.7/32

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

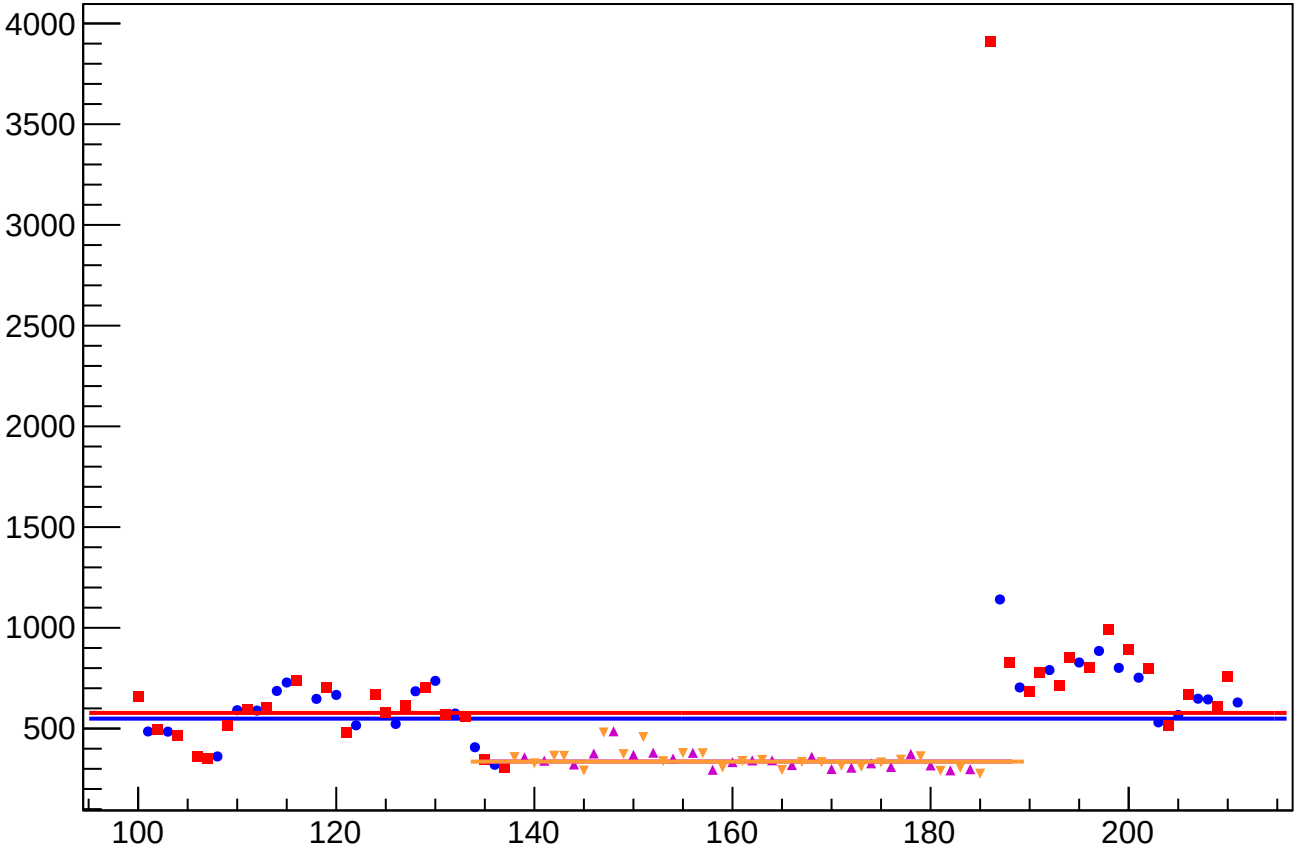
Right: -129.557+/-100.471 χ^2/NDF: 64.5/60

In: -98.619+/-69.038 χ^2/NDF:68.9/50

Out: -35.184+/-67.834 χ^2/NDF:59.8/57

All: -66.344+/-48.386 χ^2/NDF: 129.1/108

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 549.163+/-0.100 χ^2/NDF: 2609836.9/27

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 577.572+/-0.101 χ^2/NDF: 3387628.8/32

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

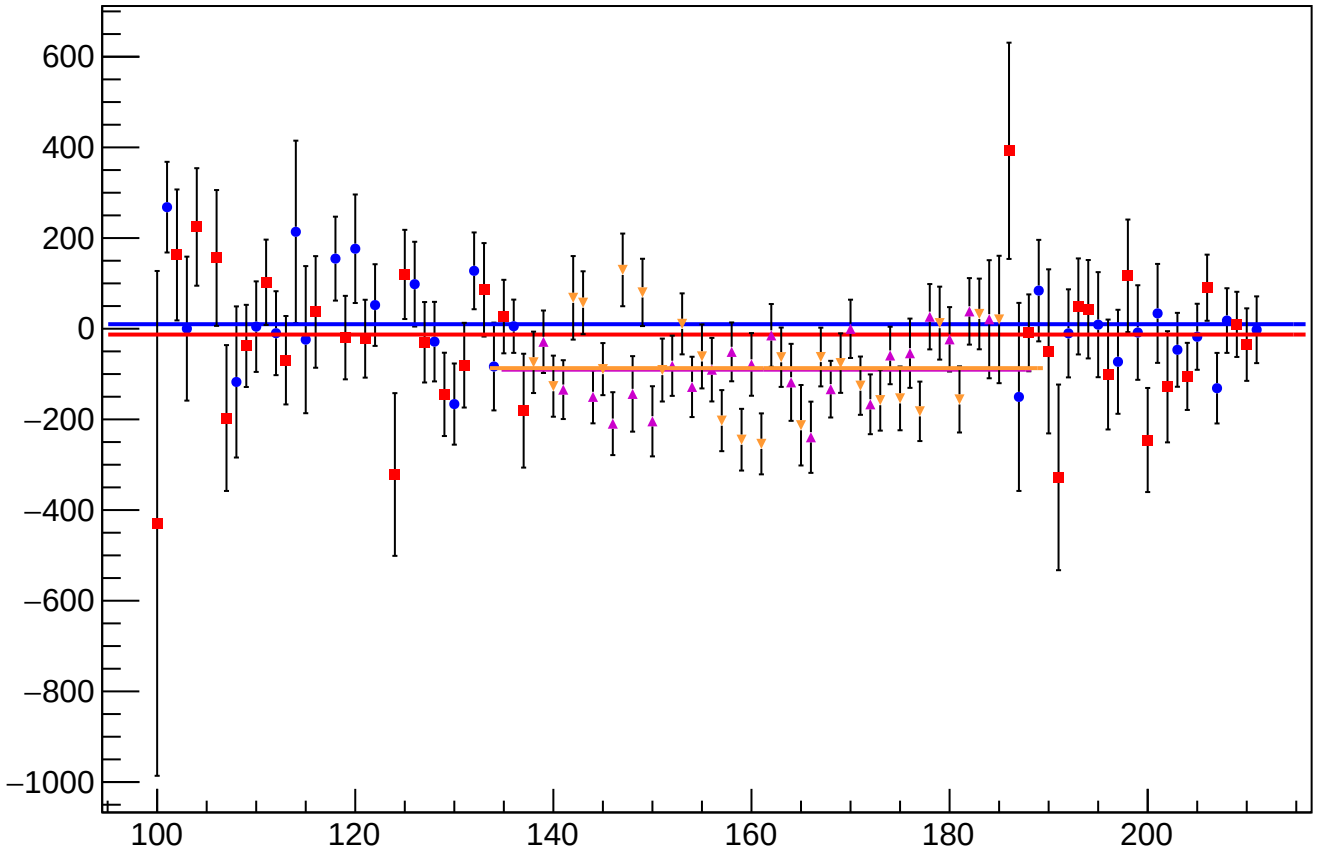
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 563.131+/-0.071 χ^2/NDF: 6037431.2/60

In: 387.424+/-0.049 χ^2/NDF:6490820.4/50

Out: 390.060+/-0.048 χ^2/NDF:8336022.9/57

All: 388.765+/-0.034 χ^2/NDF: 14828327.1/10



Right In: 9.970+/-17.988 χ^2/NDF: 26.4/27

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -12.863+/-18.142 χ^2/NDF: 36.7/32

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

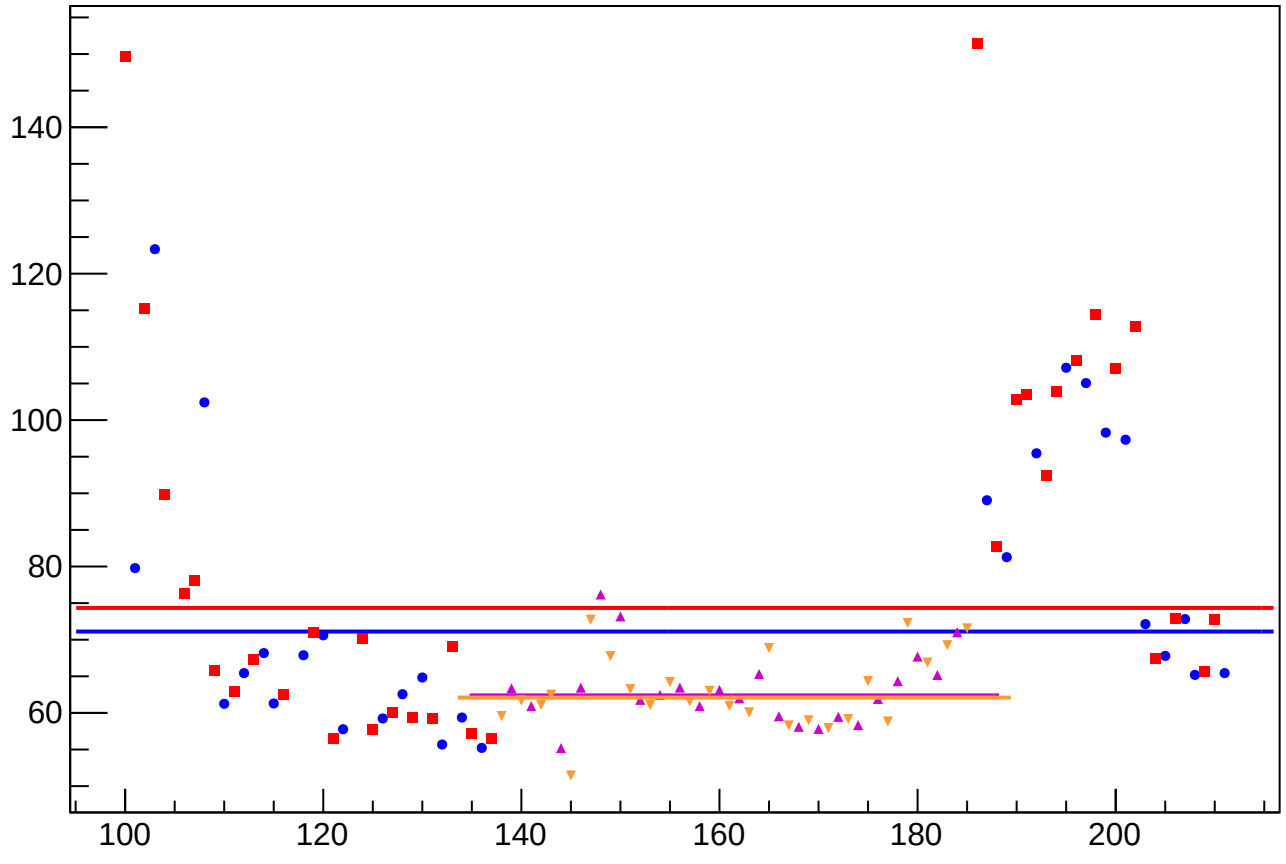
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -1.349+/-12.774 χ^2/NDF: 63.9/60

In: -50.330+/-11.362 χ^2/NDF:70.2/50

Out: -58.872+/-11.170 χ^2/NDF:95.8/57

All: -54.674+/-7.965 χ^2/NDF: 166.3/108



Right In: 71.118+/-0.013 χ^2/NDF: 1493971.0/27

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 74.344+/-0.013 χ^2/NDF: 2040167.8/32

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

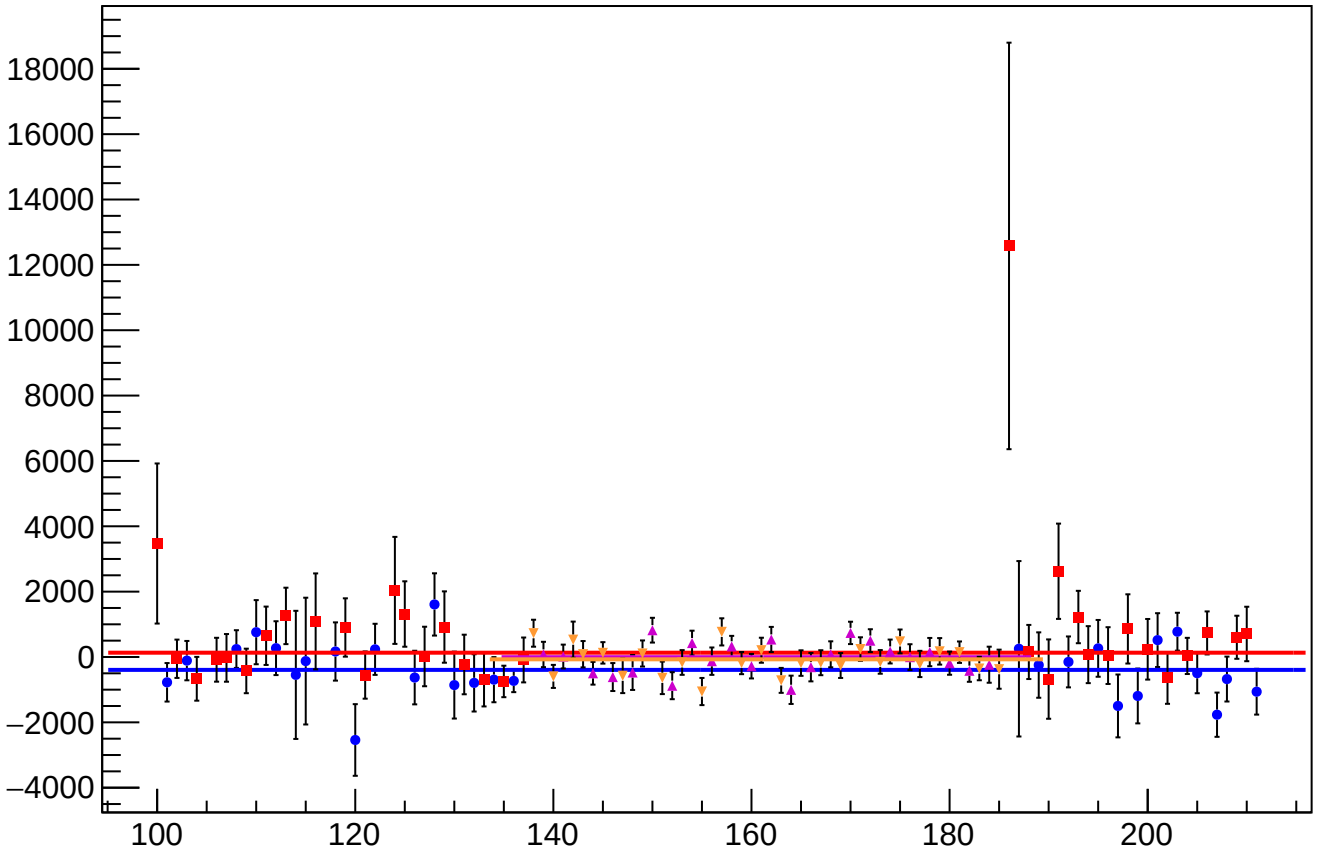
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.717+/-0.009 χ^2/NDF: 3566027.8/60

In: 65.875+/-0.008 χ^2/NDF:1965415.7/50

Out: 66.737+/-0.008 χ^2/NDF:2839746.5/57

All: 66.313+/-0.006 χ^2/NDF: 4811005.9/108



Right In: -394.746+/-140.294 χ^2/NDF: 28.3/27

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 131.262+/-141.246 χ^2/NDF: 28.8/32

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

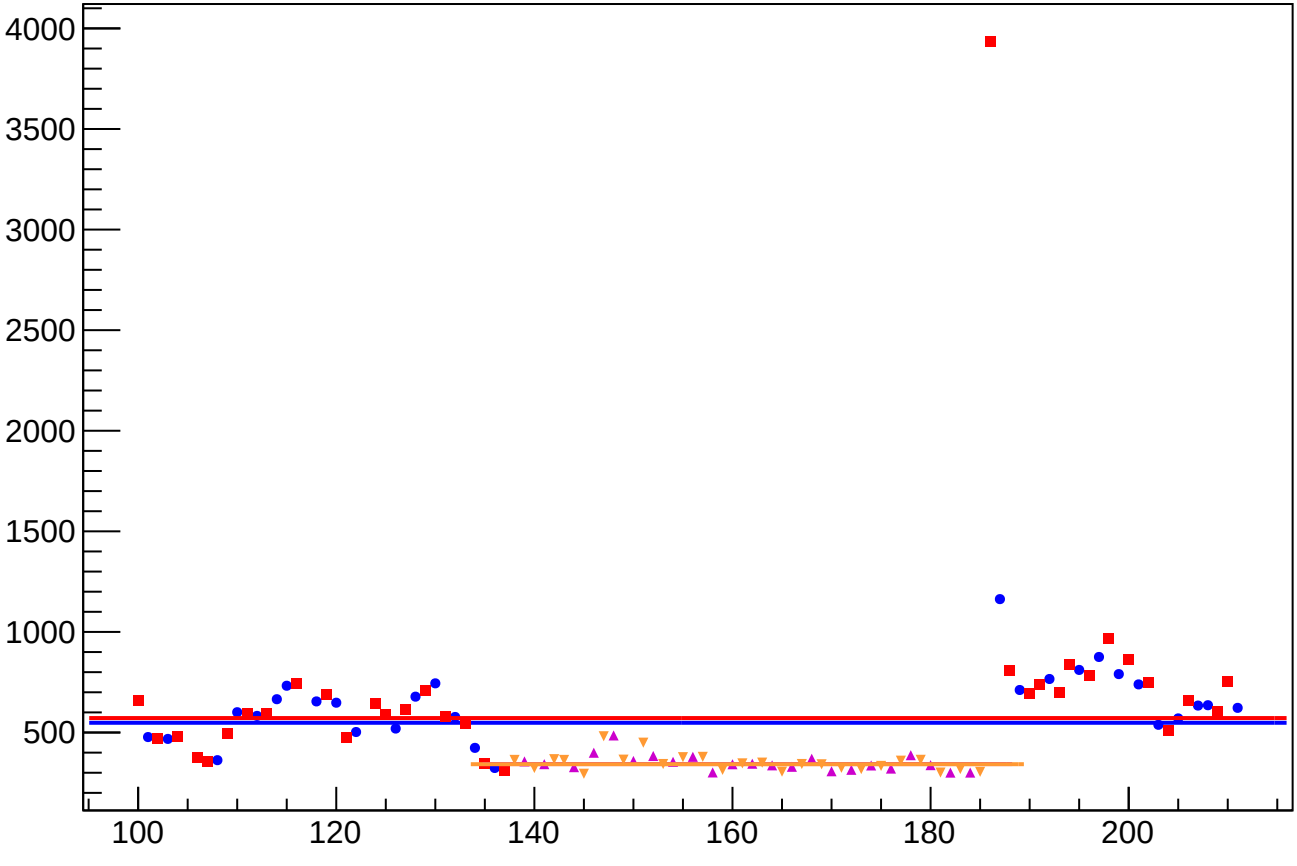
Right: -133.521+/-99.538 χ^2/NDF: 64.1/60

In: -102.858+/-69.992 χ^2/NDF:68.1/50

Out: -23.610+/-68.548 χ^2/NDF:58.9/57

All: -62.408+/-48.973 χ^2/NDF: 127.6/108

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 548.429+/-0.099 χ^2/NDF: 2478322.7/27

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 571.835+/-0.100 χ^2/NDF: 3233838.3/32

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

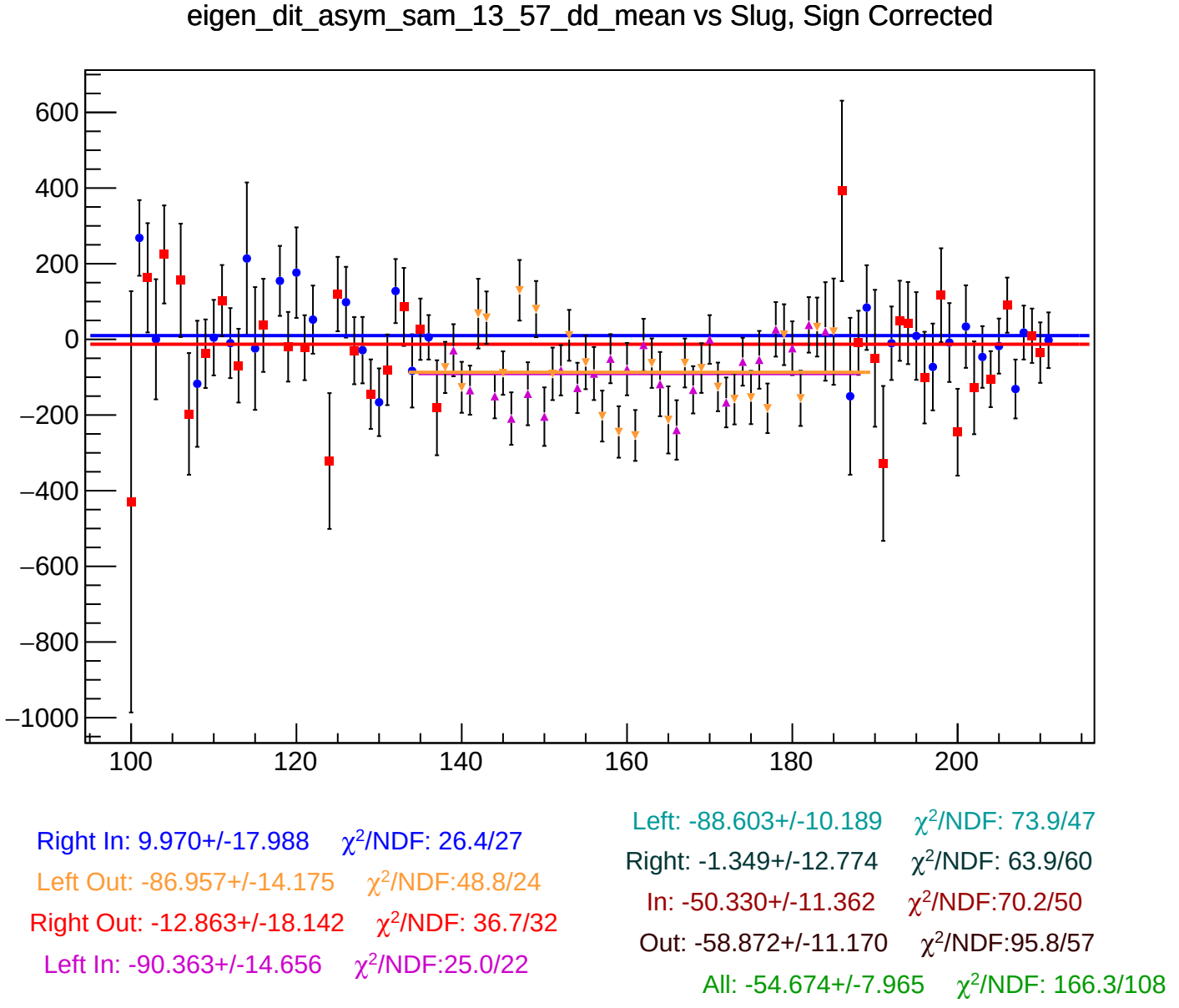
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

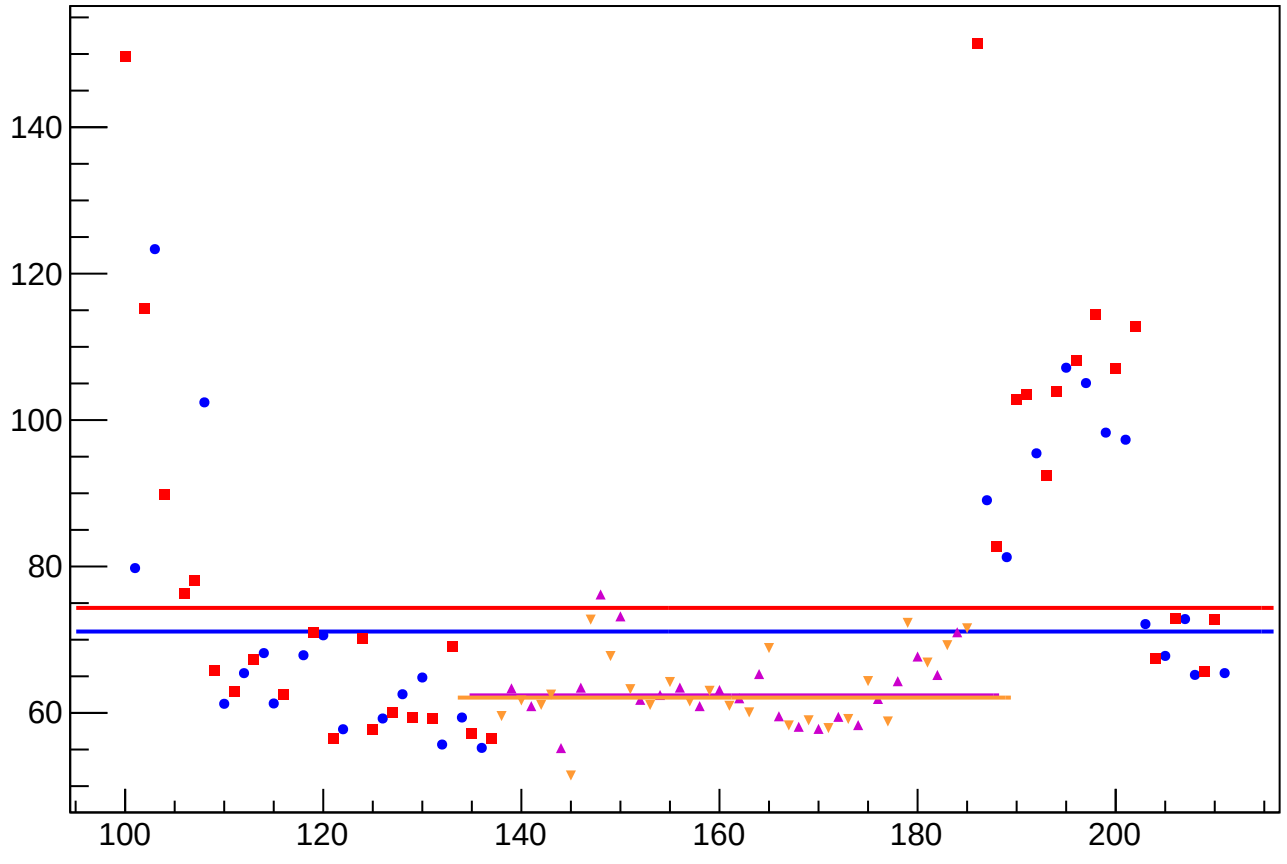
Right: 560.053+/-0.070 χ^2/NDF: 5739808.1/60

In: 394.314+/-0.049 χ^2/NDF:6064547.0/50

Out: 396.516+/-0.048 χ^2/NDF:7698699.3/57

All: 395.438+/-0.035 χ^2/NDF: 13764256.6/10


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 9.970+/-17.988 χ²/NDF: 26.4/27
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -12.863+/-18.142 χ²/NDF: 36.7/32
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -1.349+/-12.774 χ²/NDF: 63.9/60
In: -50.330+/-11.362 χ²/NDF:70.2/50
Out: -58.872+/-11.170 χ²/NDF:95.8/57
All: -54.674+/-7.965 χ²/NDF: 166.3/108



Right In: 71.117+/-0.013 χ^2/NDF: 1493992.0/27

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 74.344+/-0.013 χ^2/NDF: 2040170.5/32

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

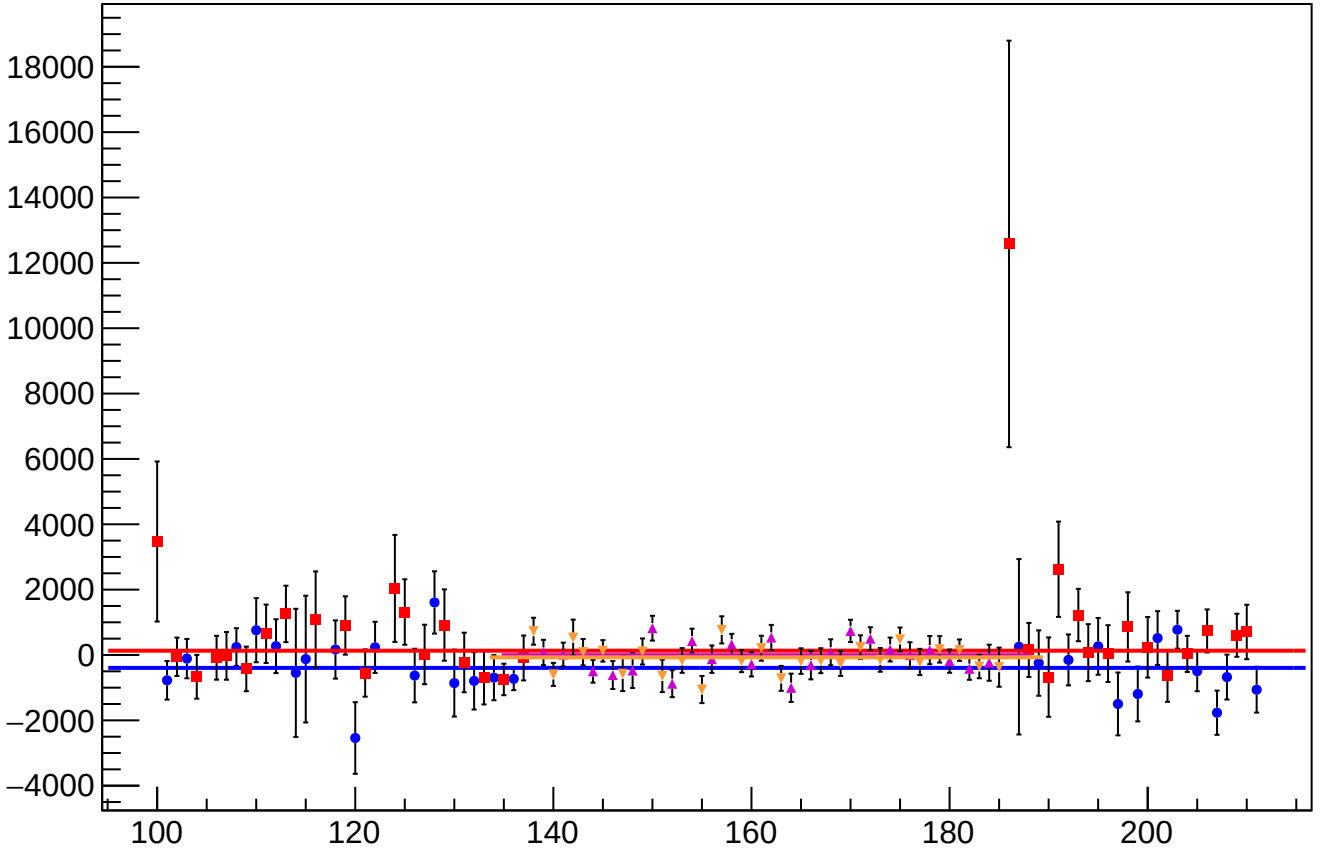
Right: 72.717+/-0.009 χ^2/NDF: 3566051.6/60

In: 65.875+/-0.008 χ^2/NDF:1965434.5/50

Out: 66.737+/-0.008 χ^2/NDF:2839748.7/57

All: 66.313+/-0.006 χ^2/NDF: 4811026.6/108

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -394.746+/-140.293 χ^2/NDF: 28.3/27

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 131.261+/-141.246 χ^2/NDF: 28.8/32

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

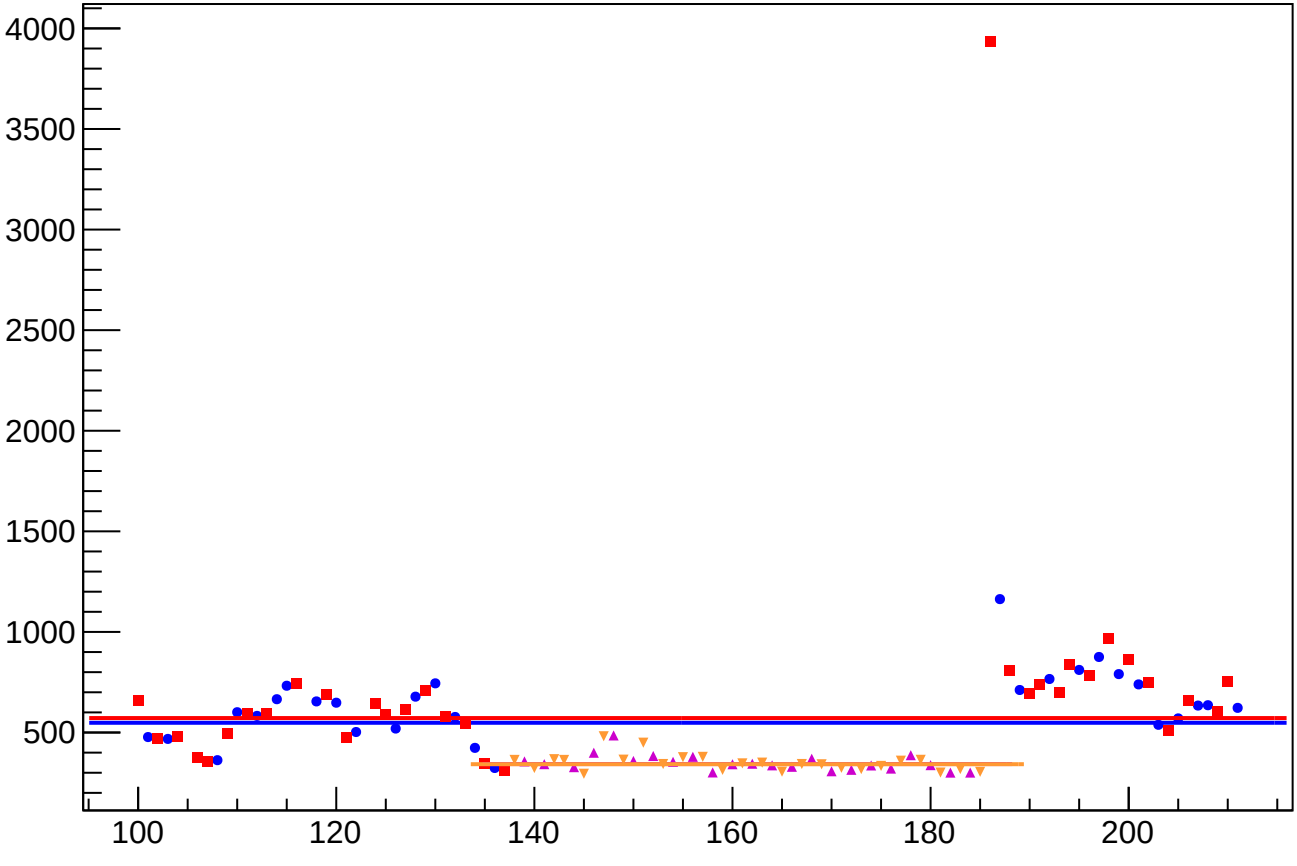
Right: -133.521+/-99.537 χ^2/NDF: 64.1/60

In: -102.858+/-69.992 χ^2/NDF:68.1/50

Out: -23.610+/-68.548 χ^2/NDF:58.9/57

All: -62.408+/-48.973 χ^2/NDF: 127.6/108

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 548.428+/-0.099 χ^2/NDF: 2478327.0/27

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 571.835+/-0.100 χ^2/NDF: 3233844.6/32

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

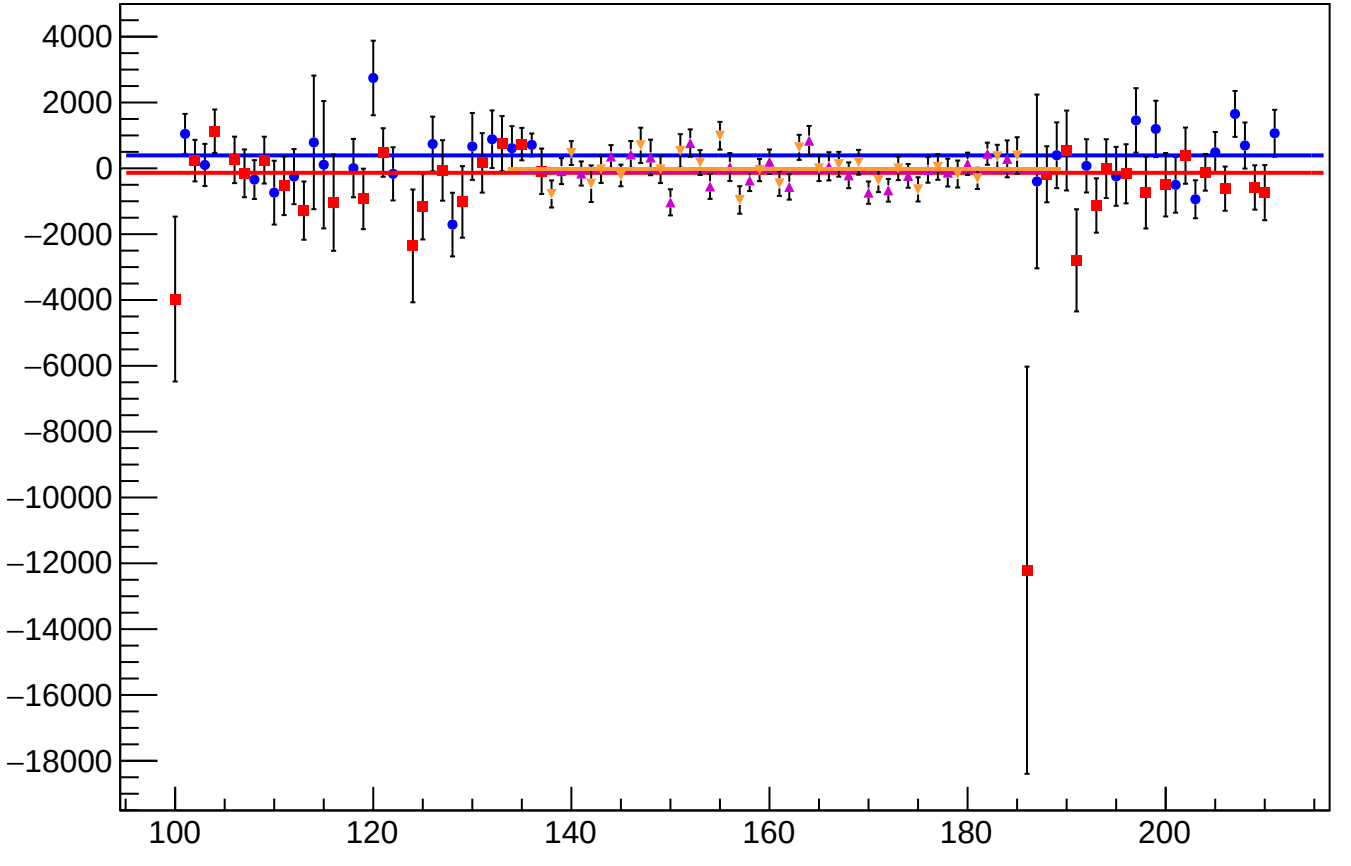
Right: 560.052+/-0.070 χ^2/NDF: 5739818.4/60

In: 394.314+/-0.049 χ^2/NDF:6064535.8/50

Out: 396.516+/-0.048 χ^2/NDF:7698688.6/57

All: 395.438+/-0.035 χ^2/NDF: 13764234.6/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 392.890+/-142.251 χ^2/NDF: 29.8/27

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -135.355+/-144.404 χ^2/NDF: 29.3/32

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

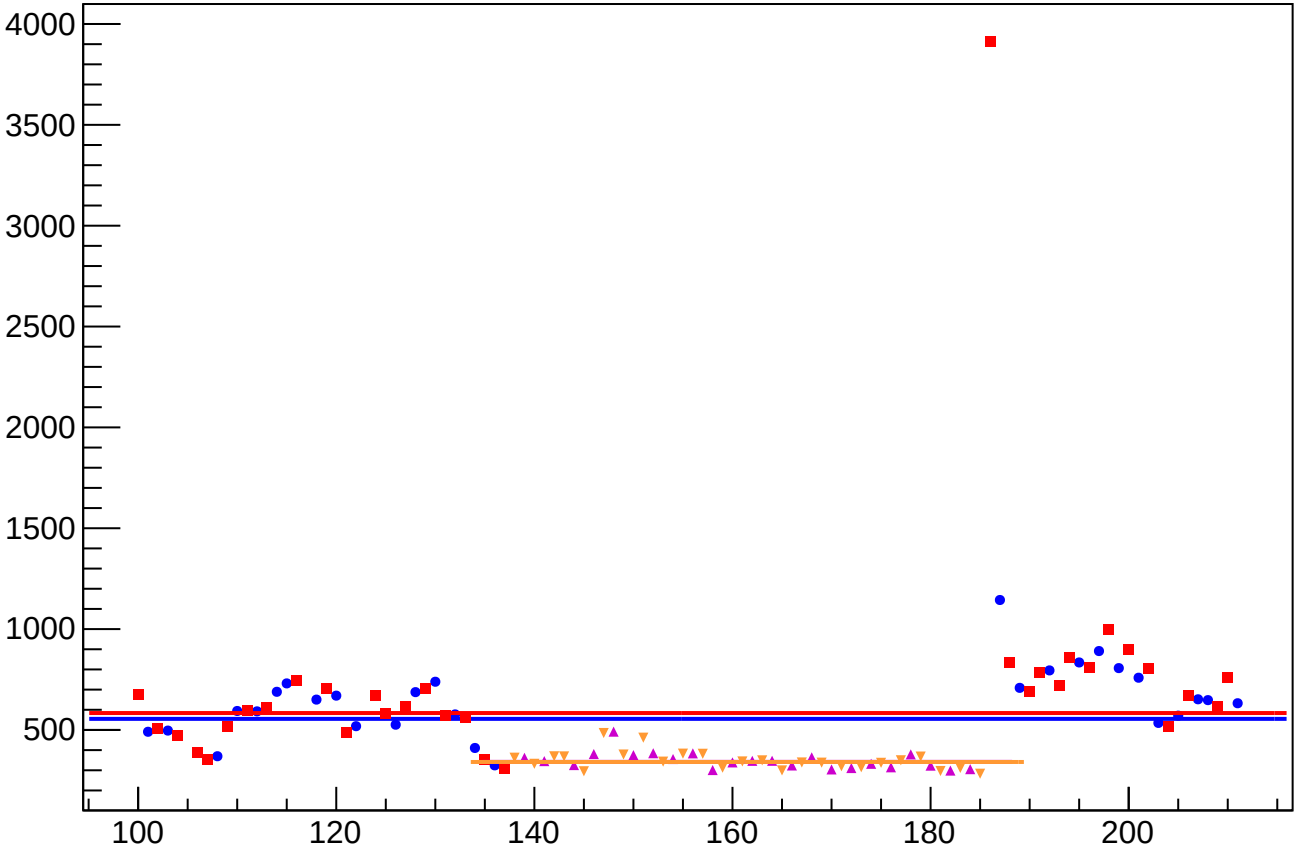
Right: 132.735+/-101.339 χ^2/NDF: 65.9/60

In: 35.483+/-70.000 χ^2/NDF:71.0/50

Out: -46.367+/-68.762 χ^2/NDF:61.3/57

All: -6.173+/-49.054 χ^2/NDF: 133.0/108

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 554.943+/-0.101 χ^2/NDF: 2548777.1/27

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 583.789+/-0.102 χ^2/NDF: 3301726.6/32

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

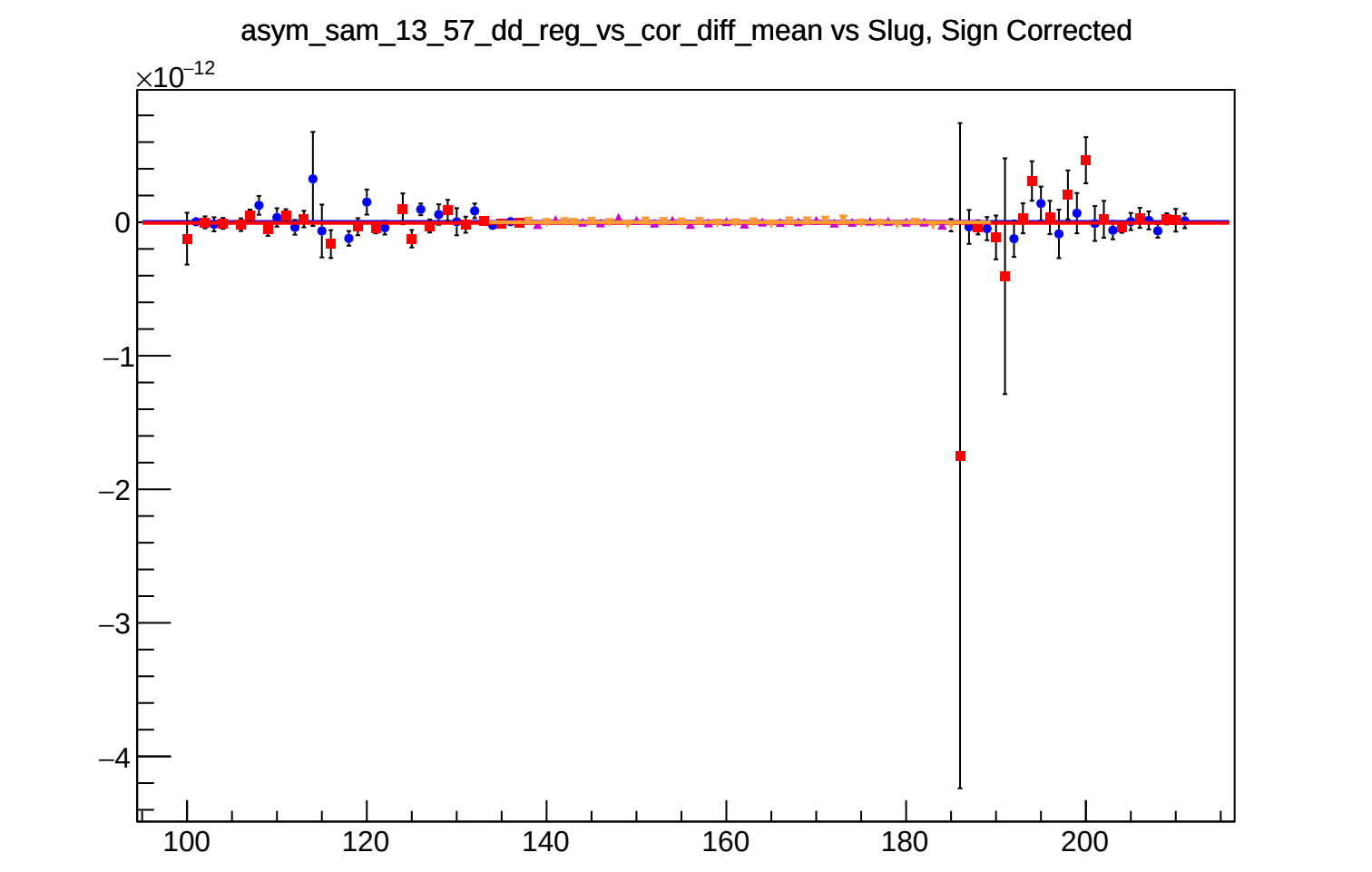
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 569.149+/-0.072 χ^2/NDF: 5891008.2/60

In: 393.279+/-0.049 χ^2/NDF:6354177.1/50

Out: 396.205+/-0.049 χ^2/NDF:8177155.9/57

All: 394.768+/-0.035 χ^2/NDF: 14533111.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/32

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

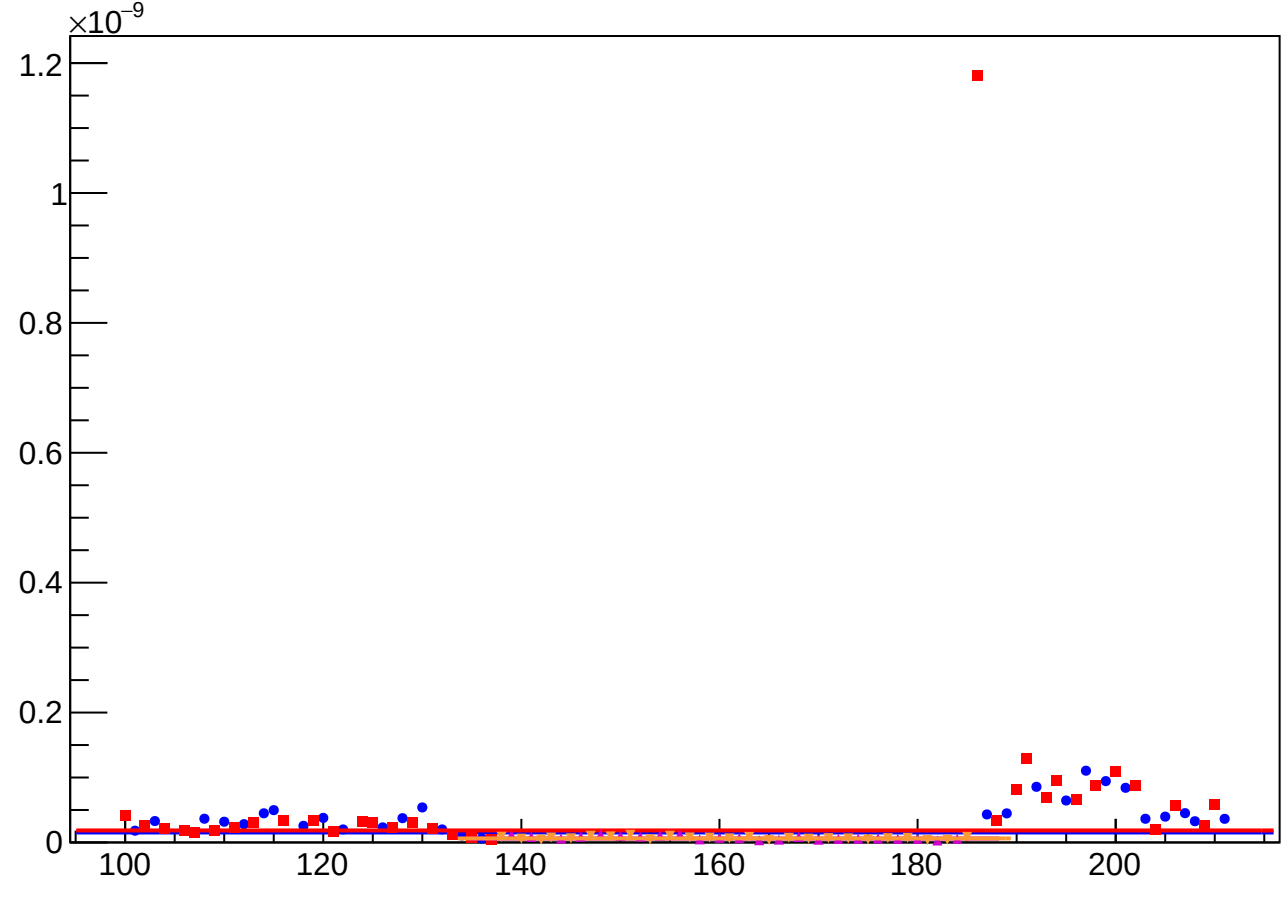
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.0/60

In: 0.000+/-0.000 χ^2/NDF:41.2/50

Out: -0.000+/-0.000 χ^2/NDF:50.1/57

All: 0.000+/-0.000 χ^2/NDF: 92.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 7440737.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6698952.3/32

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

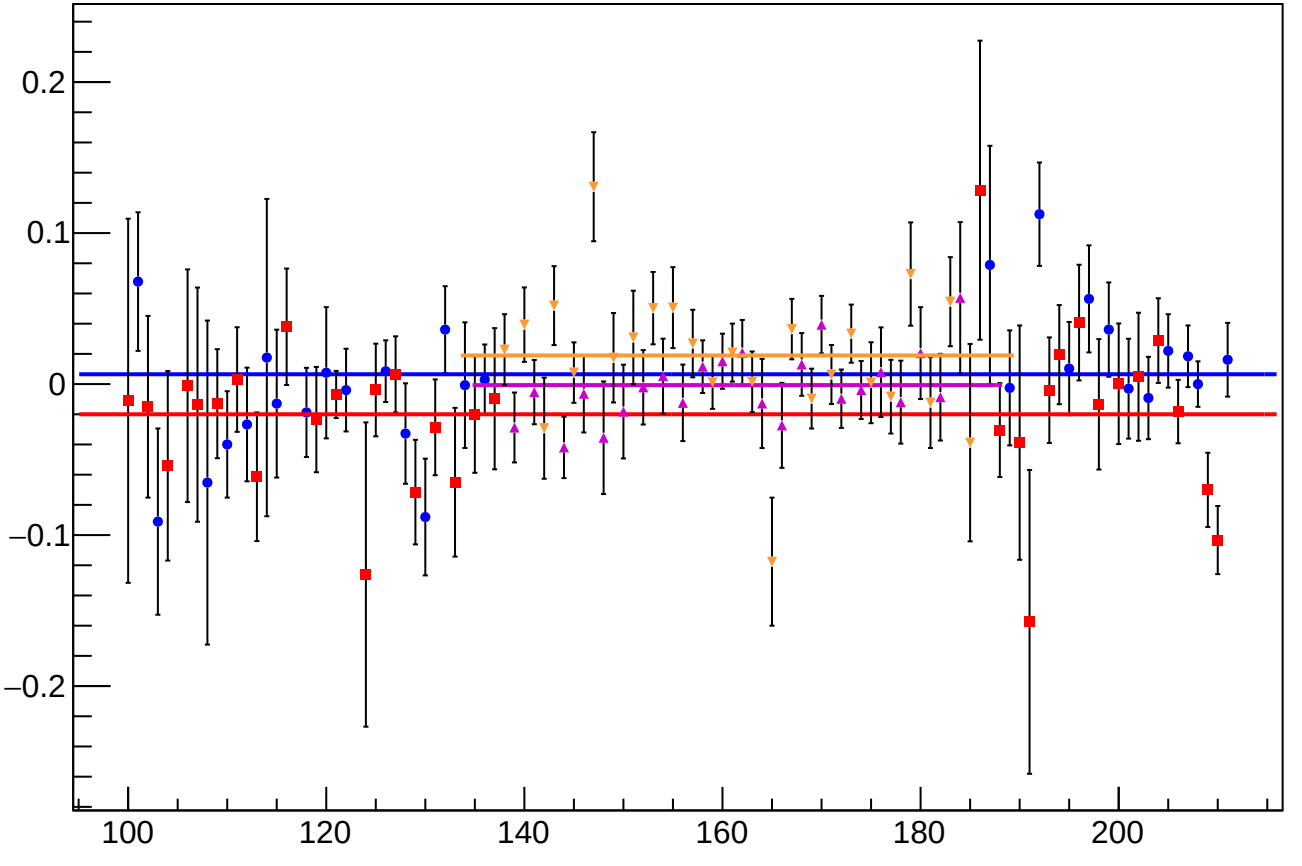
Right: 0.000+/-0.000 χ^2/NDF: 14288548.3/60

In: 0.000+/-0.000 χ^2/NDF:11807442.6/50

Out: 0.000+/-0.000 χ^2/NDF:11744249.1/57

All: 0.000+/-0.000 χ^2/NDF: 23557160.5/108

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

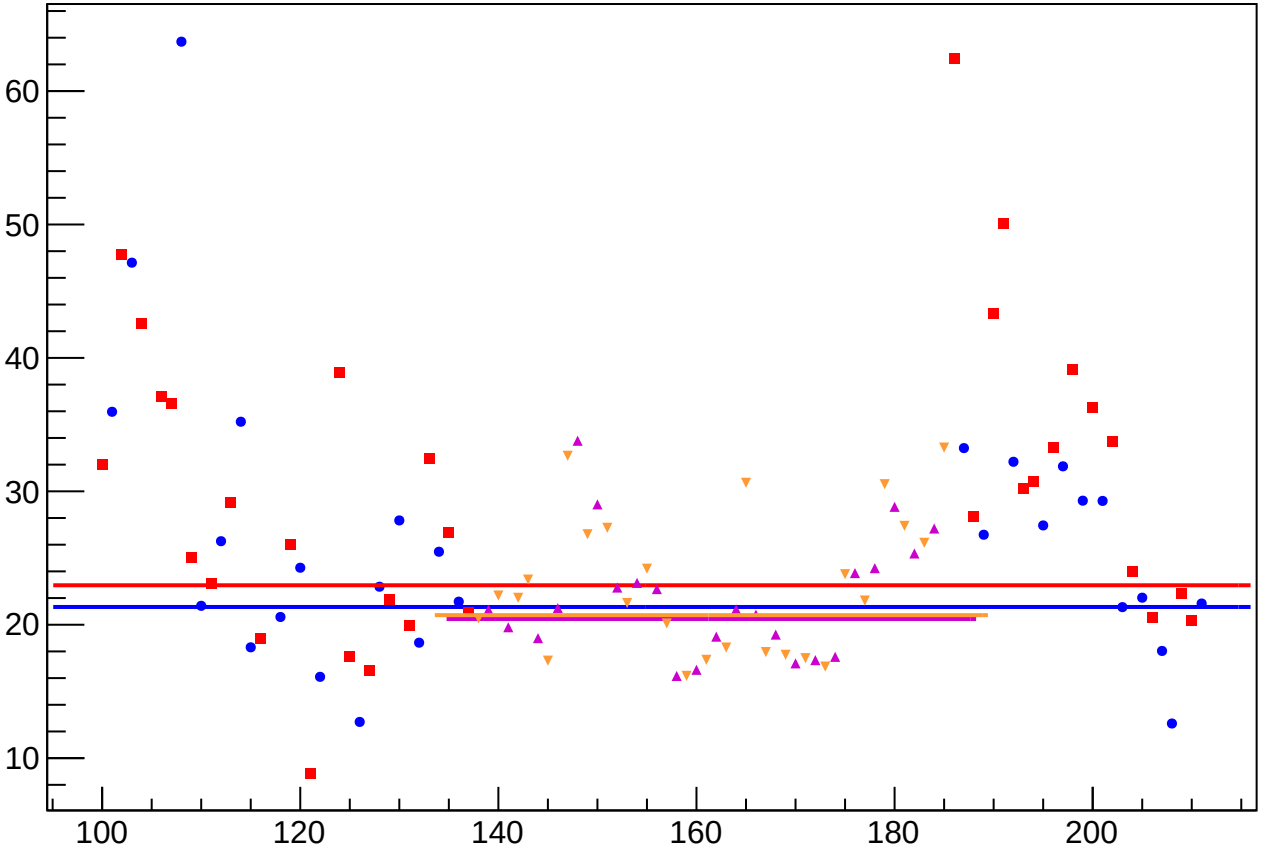
Right: -0.006+/-0.004 χ^2/NDF: 82.2/60

In: 0.002+/-0.004 χ^2/NDF:50.3/50

Out: 0.004+/-0.004 χ^2/NDF:106.8/57

All: 0.003+/-0.003 χ^2/NDF: 157.1/108

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.331+/-0.004 χ^2/NDF: 2995161.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.958+/-0.004 χ^2/NDF: 4442574.4/32

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

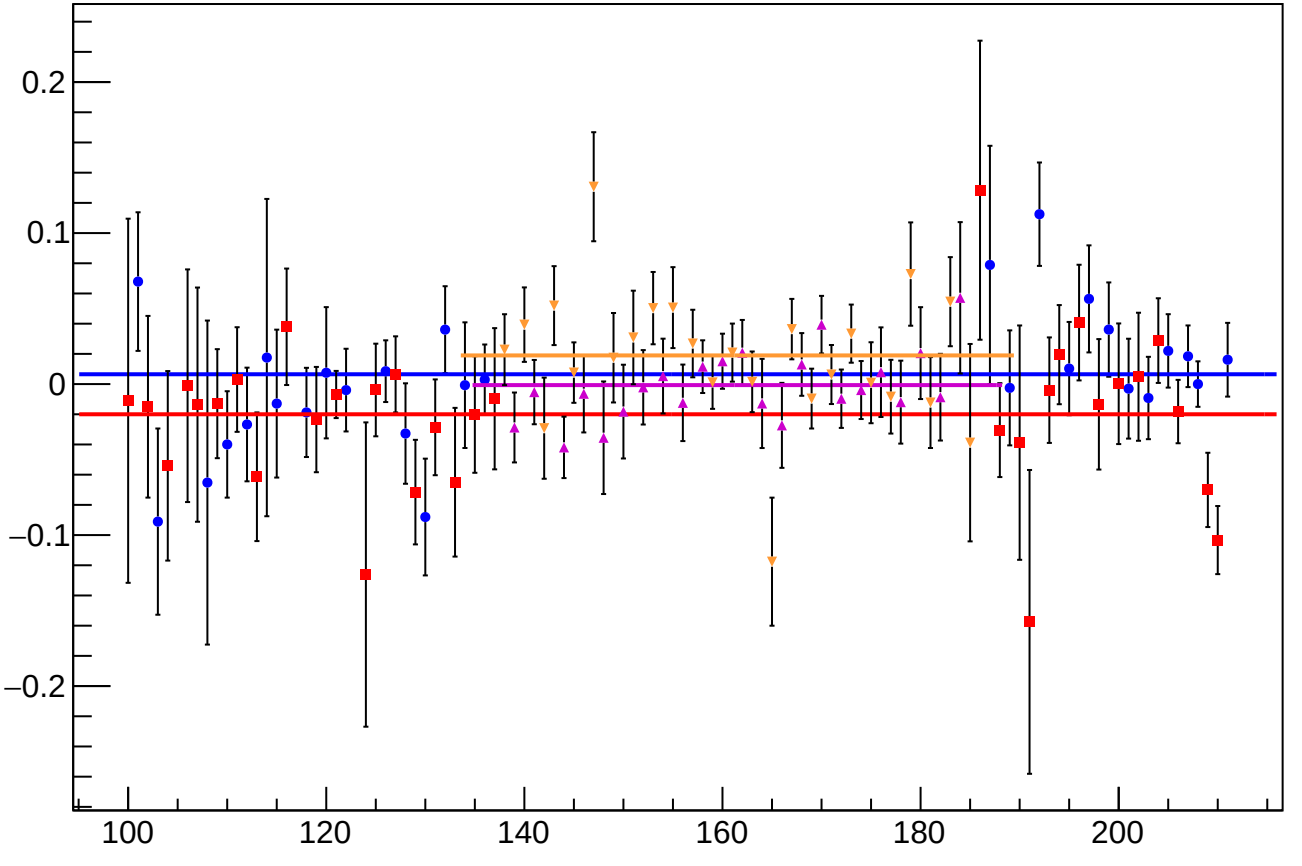
Right: 22.103+/-0.003 χ^2/NDF: 7514240.1/60

In: 20.813+/-0.003 χ^2/NDF:4197587.3/50

Out: 21.602+/-0.003 χ^2/NDF:6115990.1/57

All: 21.203+/-0.002 χ^2/NDF: 10357507.0/108

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

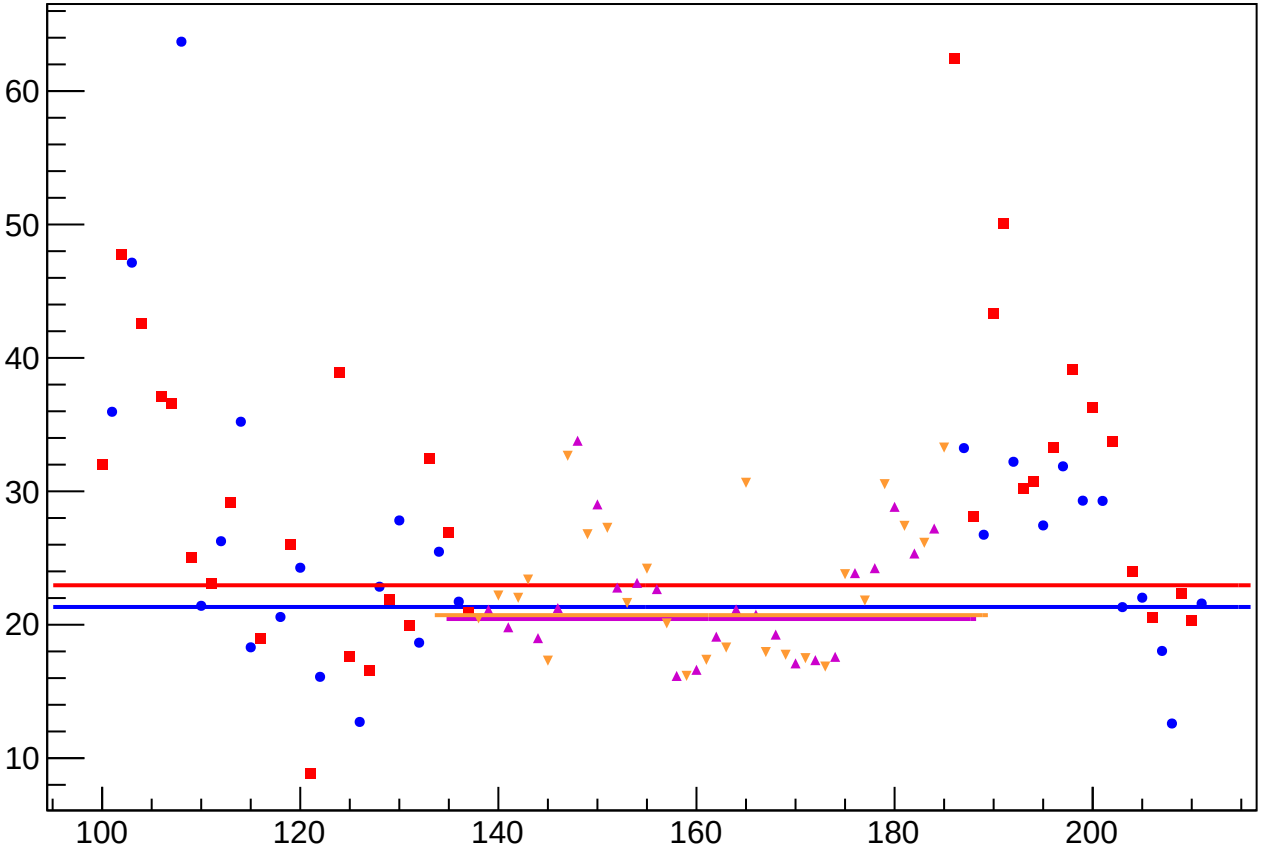
Right: -0.006+/-0.004 χ^2/NDF: 82.2/60

In: 0.002+/-0.004 χ^2/NDF:50.3/50

Out: 0.004+/-0.004 χ^2/NDF:106.8/57

All: 0.003+/-0.003 χ^2/NDF: 157.1/108

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.331+/-0.004 χ^2/NDF: 2995161.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.958+/-0.004 χ^2/NDF: 4442574.4/32

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

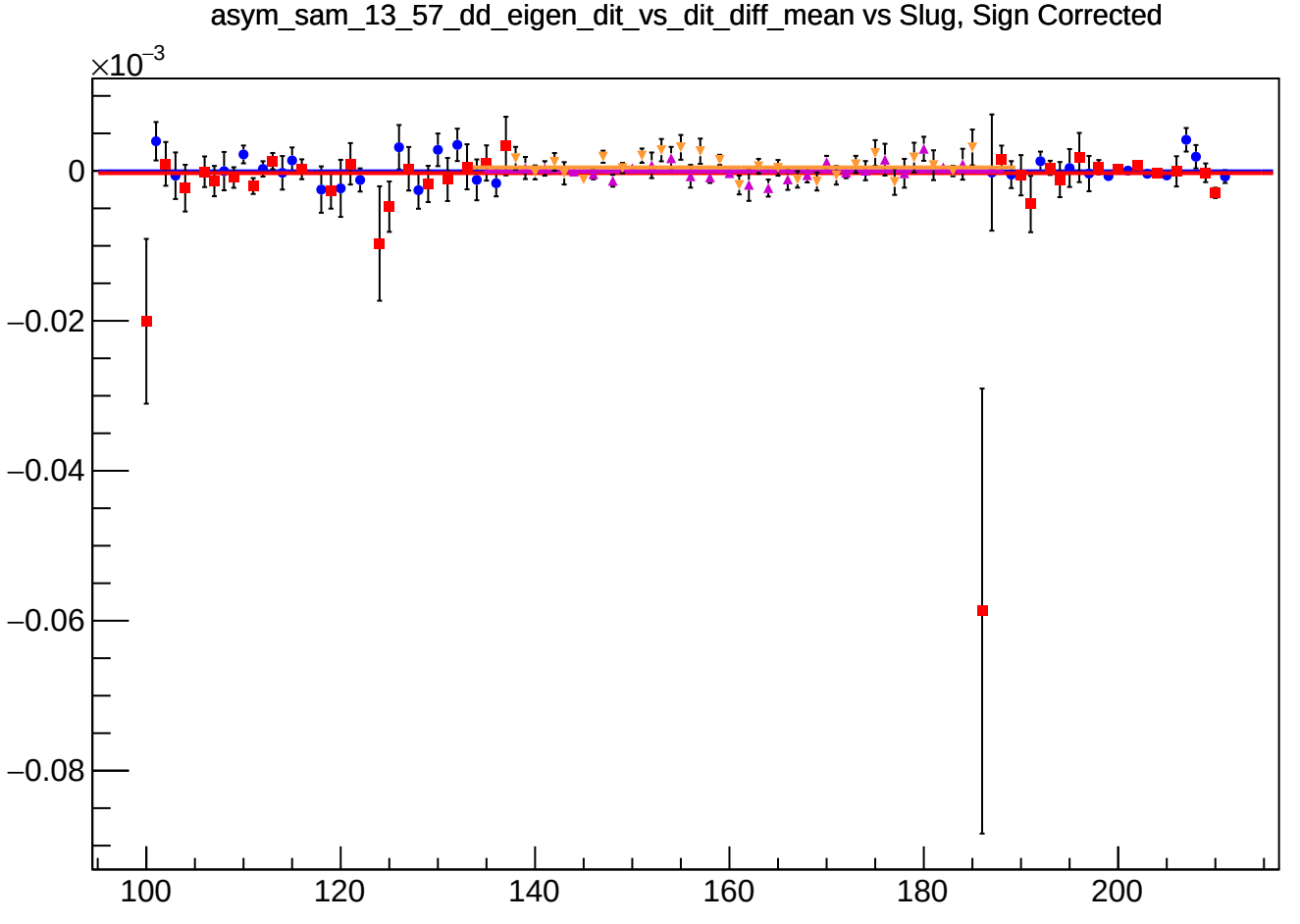
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.103+/-0.003 χ^2/NDF: 7514240.1/60

In: 20.813+/-0.003 χ^2/NDF:4197587.3/50

Out: 21.602+/-0.003 χ^2/NDF:6115990.1/57

All: 21.203+/-0.002 χ^2/NDF: 10357507.0/108



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/32

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

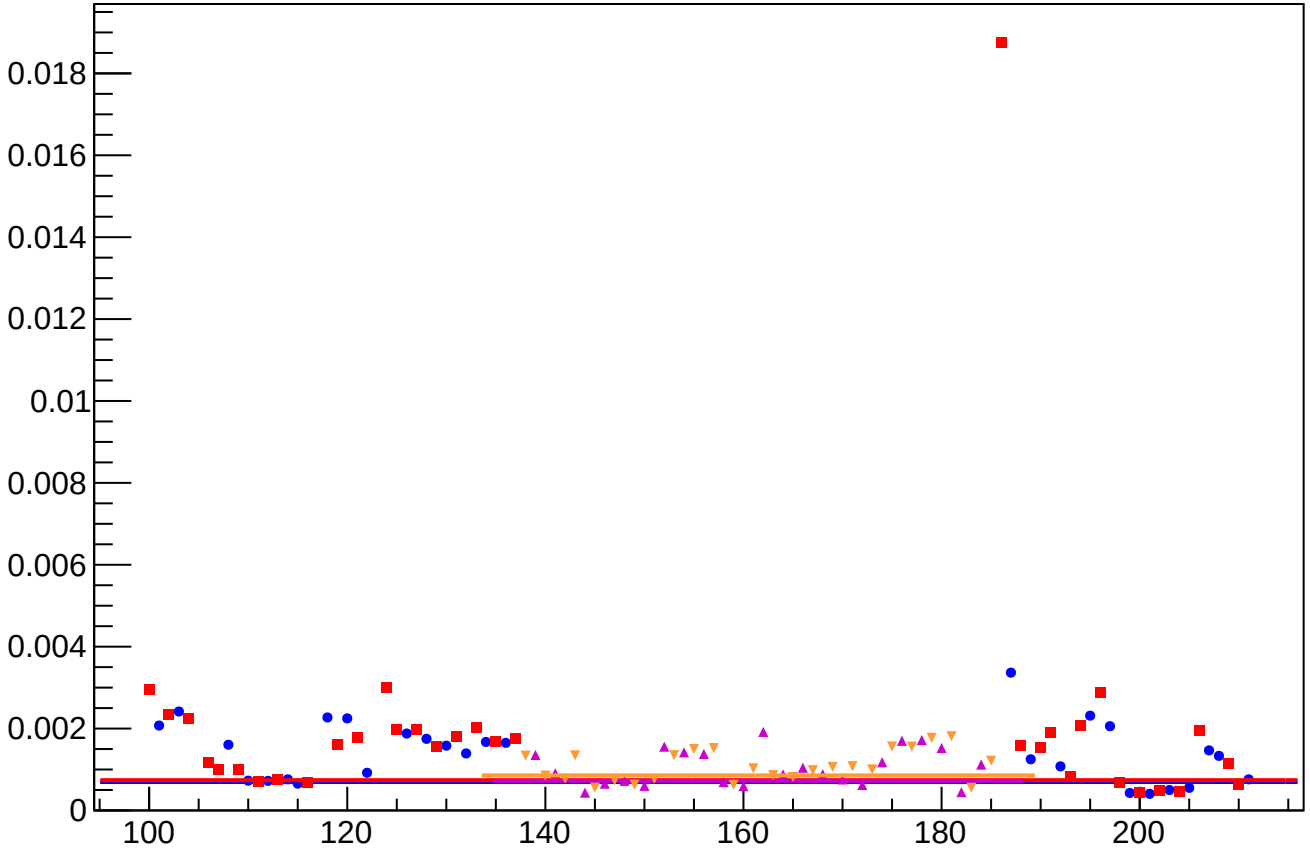
Right: -0.000+/-0.000 χ^2/NDF: 72.3/60

In: -0.000+/-0.000 χ^2/NDF:49.2/50

Out: 0.000+/-0.000 χ^2/NDF:85.1/57

All: 0.000+/-0.000 χ^2/NDF: 134.9/108

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9192002.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9807027.1/32

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

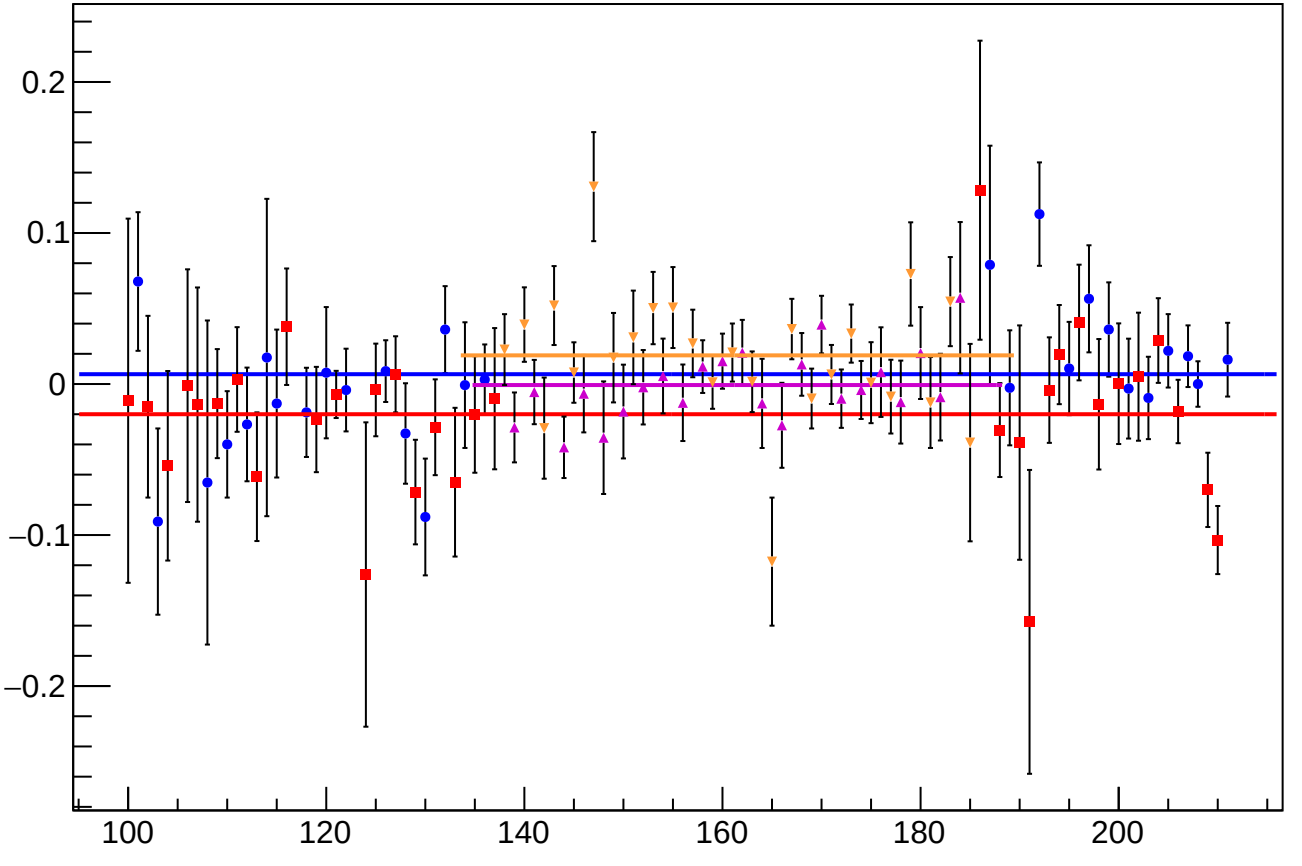
Right: 0.001+/-0.000 χ^2/NDF: 19044187.1/60

In: 0.001+/-0.000 χ^2/NDF:15020737.9/50

Out: 0.001+/-0.000 χ^2/NDF:14543868.7/57

All: 0.001+/-0.000 χ^2/NDF: 29924638.0/108

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

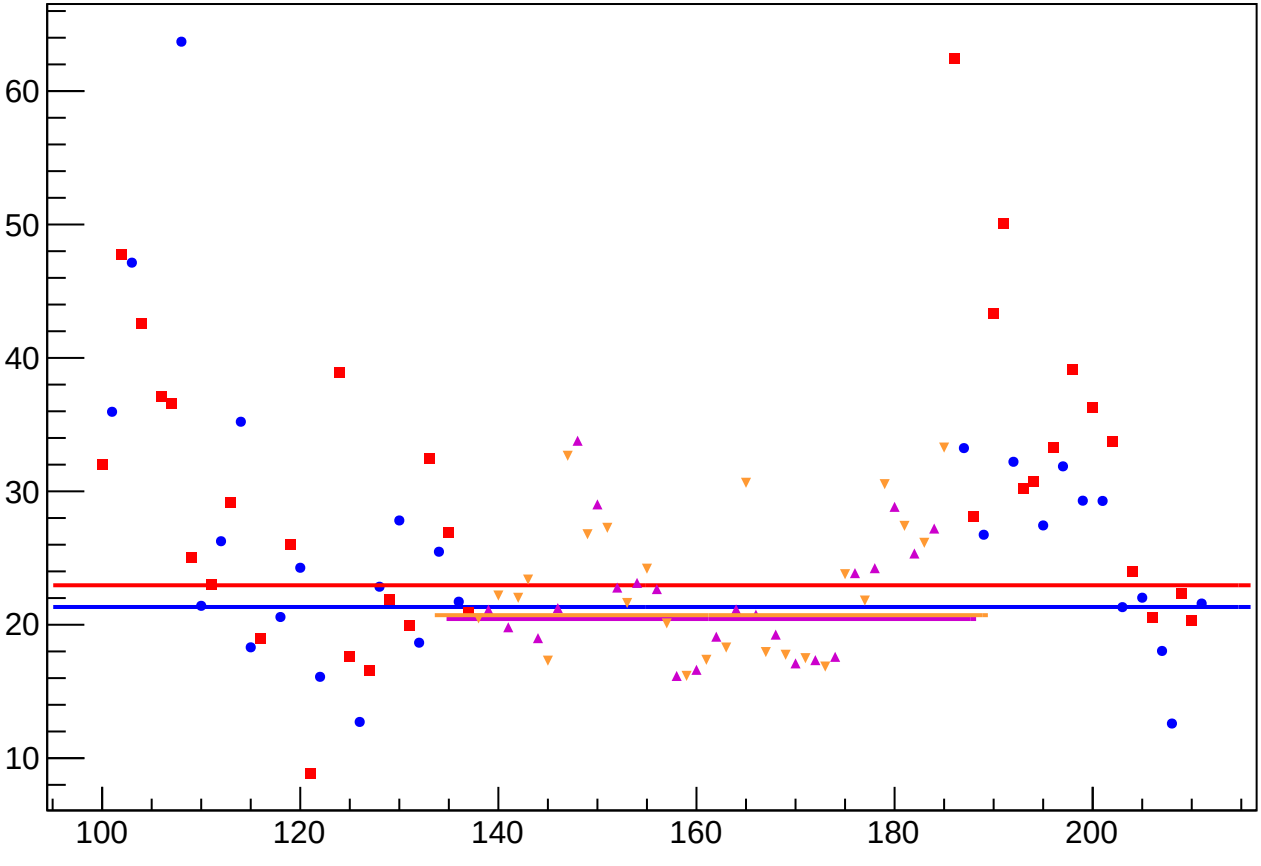
Right: -0.006+/-0.004 χ^2/NDF: 82.2/60

In: 0.002+/-0.004 χ^2/NDF:50.3/50

Out: 0.004+/-0.004 χ^2/NDF:106.8/57

All: 0.003+/-0.003 χ^2/NDF: 157.1/108

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.331+/-0.004 χ^2/NDF: 2995154.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.959+/-0.004 χ^2/NDF: 4442006.2/32

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

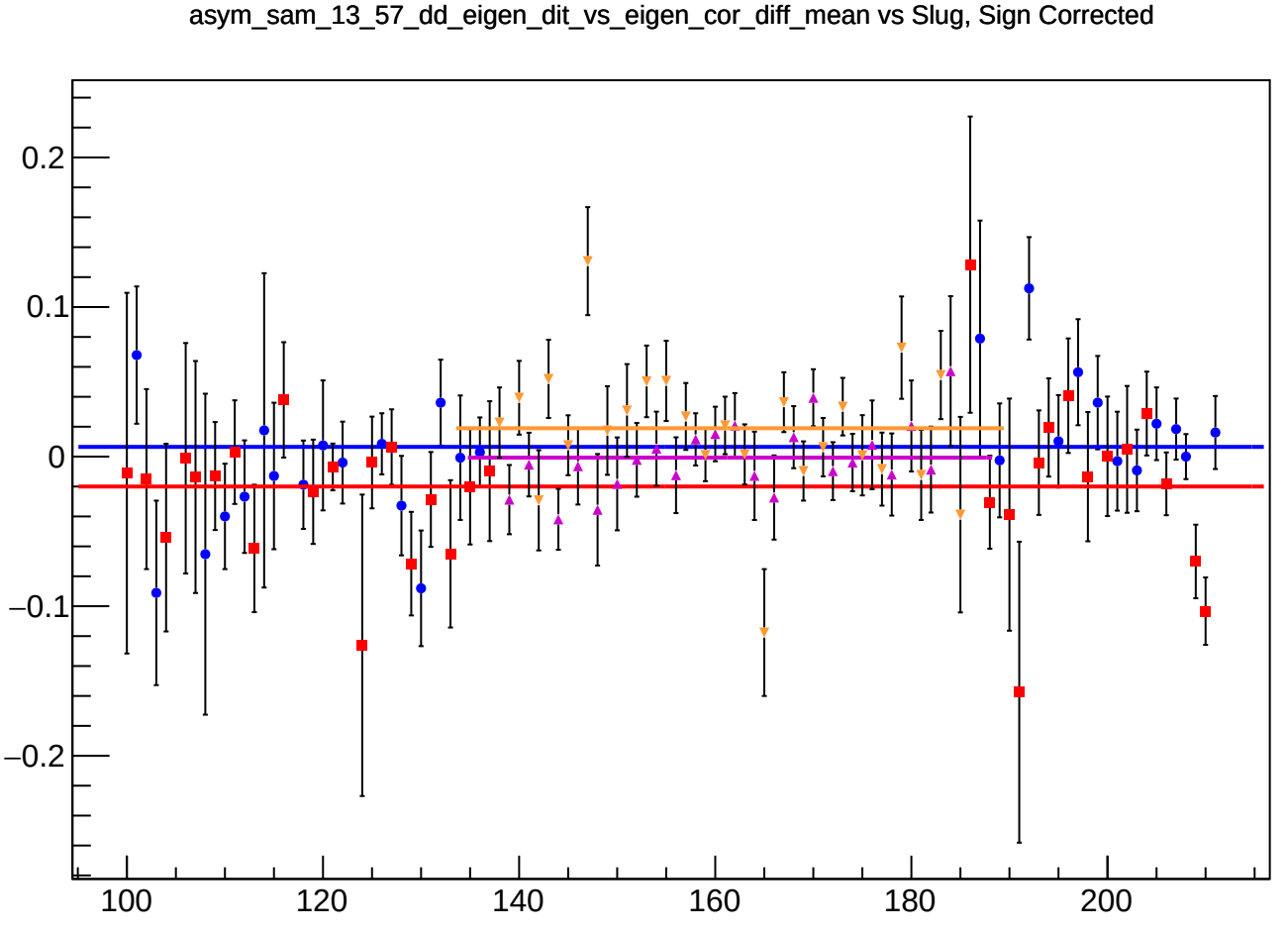
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.103+/-0.003 χ^2/NDF: 7513703.7/60

In: 20.813+/-0.003 χ^2/NDF:4197626.8/50

Out: 21.602+/-0.003 χ^2/NDF:6115597.9/57

All: 21.203+/-0.002 χ^2/NDF: 10357165.8/108



Right In: 0.007+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.020+/-0.006 χ^2/NDF: 40.3/32

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

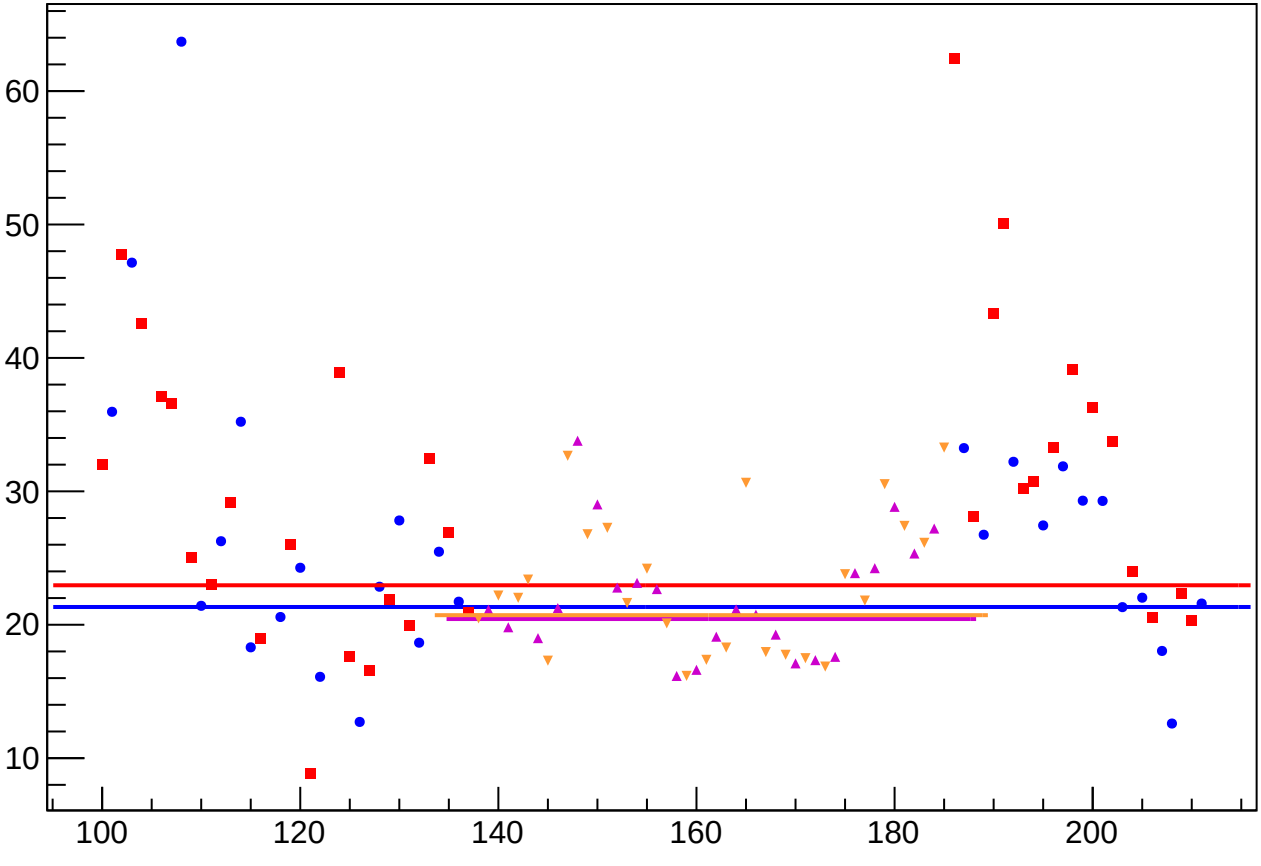
Right: -0.006+/-0.004 χ^2/NDF: 82.2/60

In: 0.002+/-0.004 χ^2/NDF:50.3/50

Out: 0.004+/-0.004 χ^2/NDF:106.8/57

All: 0.003+/-0.003 χ^2/NDF: 157.1/108

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.331+/-0.004 χ^2/NDF: 2995154.3/27

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.959+/-0.004 χ^2/NDF: 4442006.2/32

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

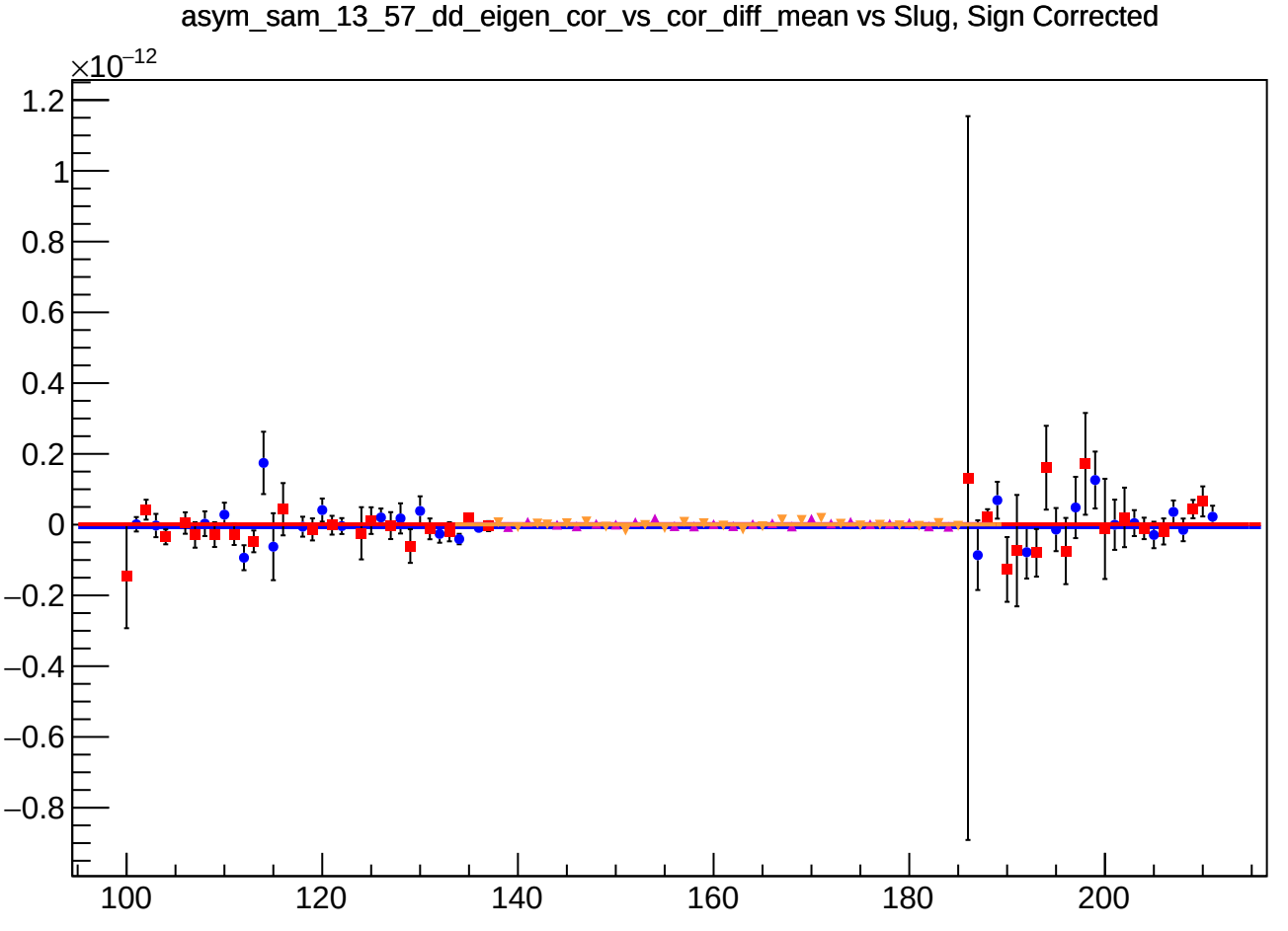
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

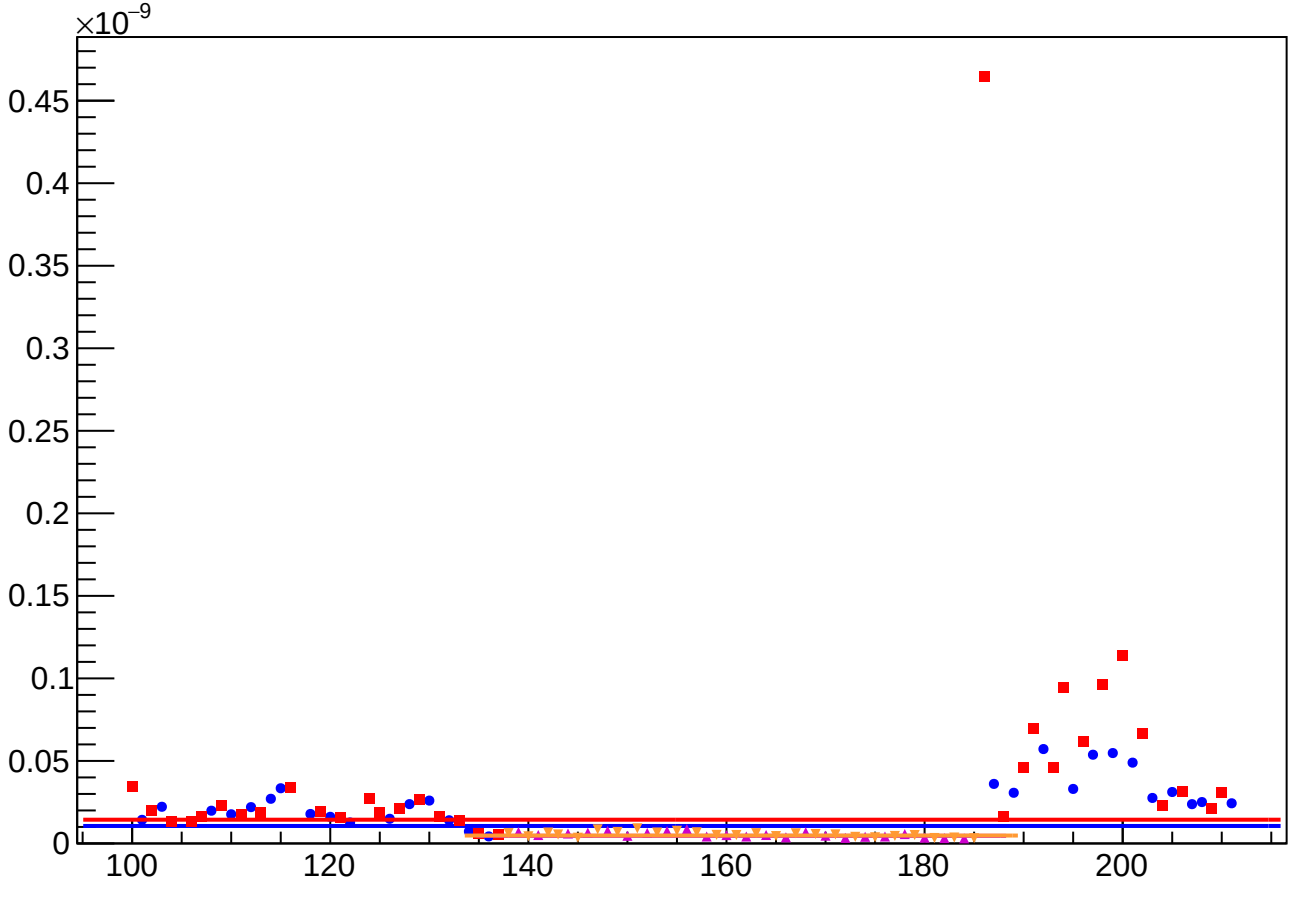
Right: 22.103+/-0.003 χ^2/NDF: 7513703.7/60

In: 20.813+/-0.003 χ^2/NDF:4197626.8/50

Out: 21.602+/-0.003 χ^2/NDF:6115597.9/57

All: 21.203+/-0.002 χ^2/NDF: 10357165.8/108


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.8/27
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.1/32
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: -0.000+/-0.000 χ²/NDF: 65.4/60
In: 0.000+/-0.000 χ²/NDF:57.3/50
Out: 0.000+/-0.000 χ²/NDF:60.1/57
All: 0.000+/-0.000 χ²/NDF: 117.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 9587127.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9274577.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

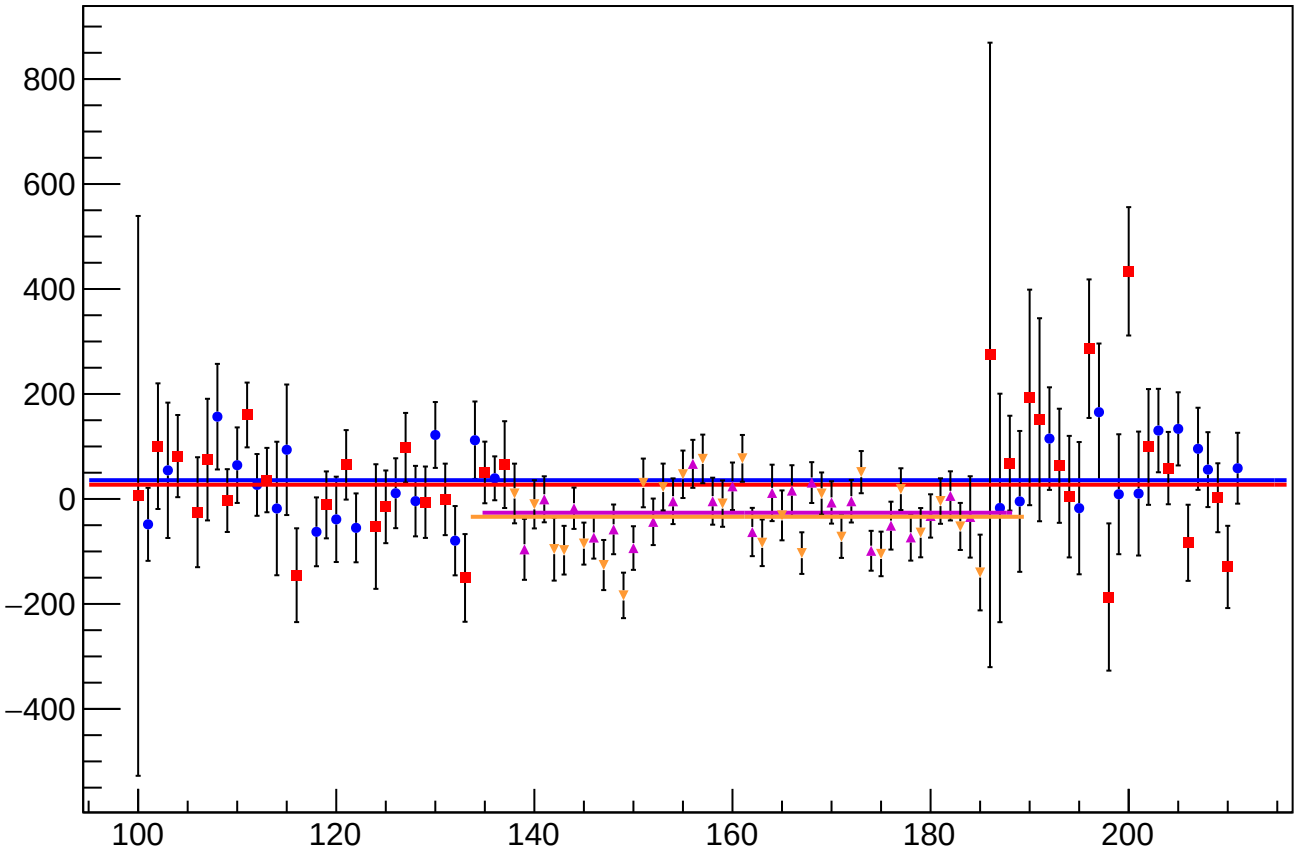
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

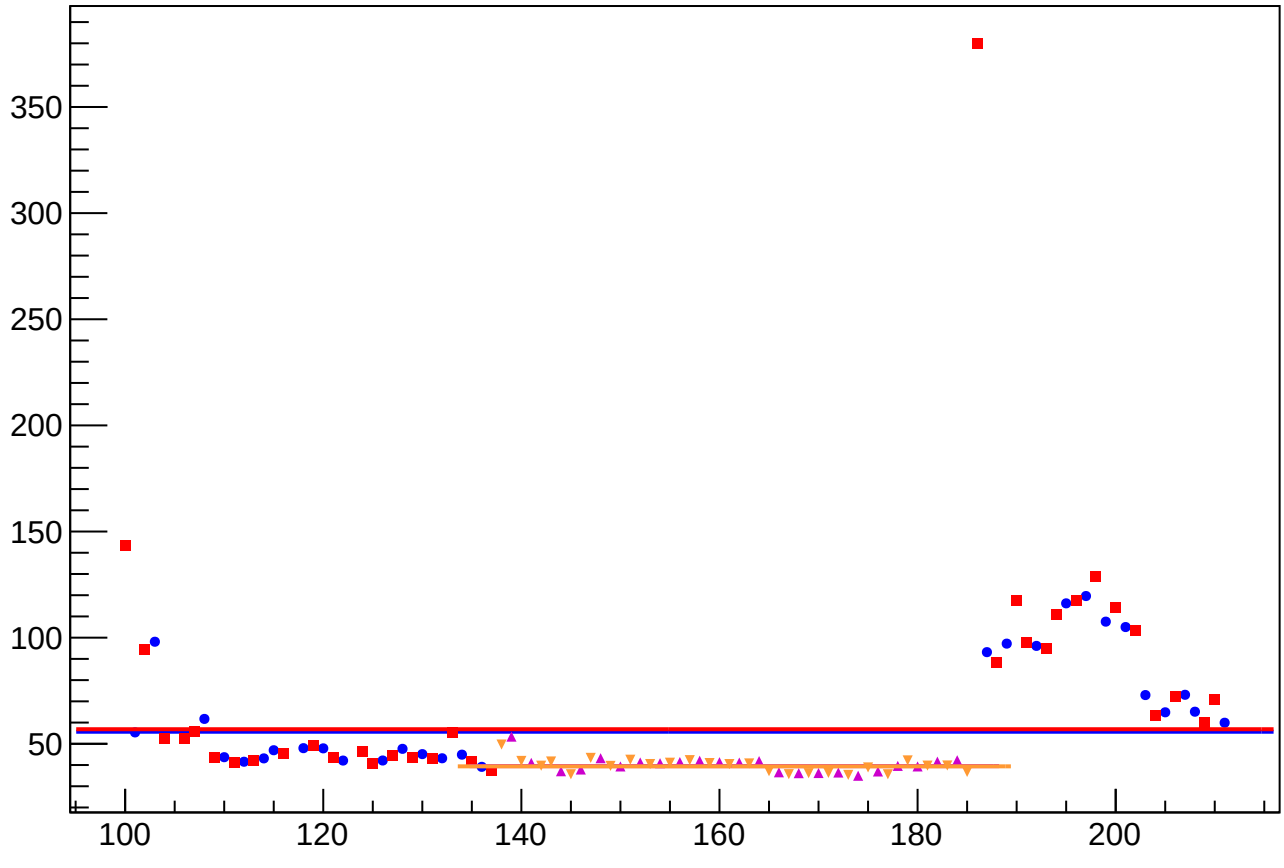
Right: 0.000+/-0.000 χ^2/NDF: 19505683.6/60

In: 0.000+/-0.000 χ^2/NDF:15103464.1/50

Out: 0.000+/-0.000 χ^2/NDF:17877733.4/57

All: 0.000+/-0.000 χ^2/NDF: 33015601.7/108


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 35.745+/-14.632 χ²/NDF: 21.2/27
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 27.172+/-14.563 χ²/NDF: 43.8/32
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.438+/-10.322 χ²/NDF: 65.2/60
In: -8.501+/-7.832 χ²/NDF:56.5/50
Out: -17.080+/-7.652 χ²/NDF:115.3/57
All: -12.890+/-5.473 χ²/NDF: 172.4/108



Right In: 55.687+/-0.010 χ^2/NDF: 3715209.6/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.865+/-0.010 χ^2/NDF: 5043419.5/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

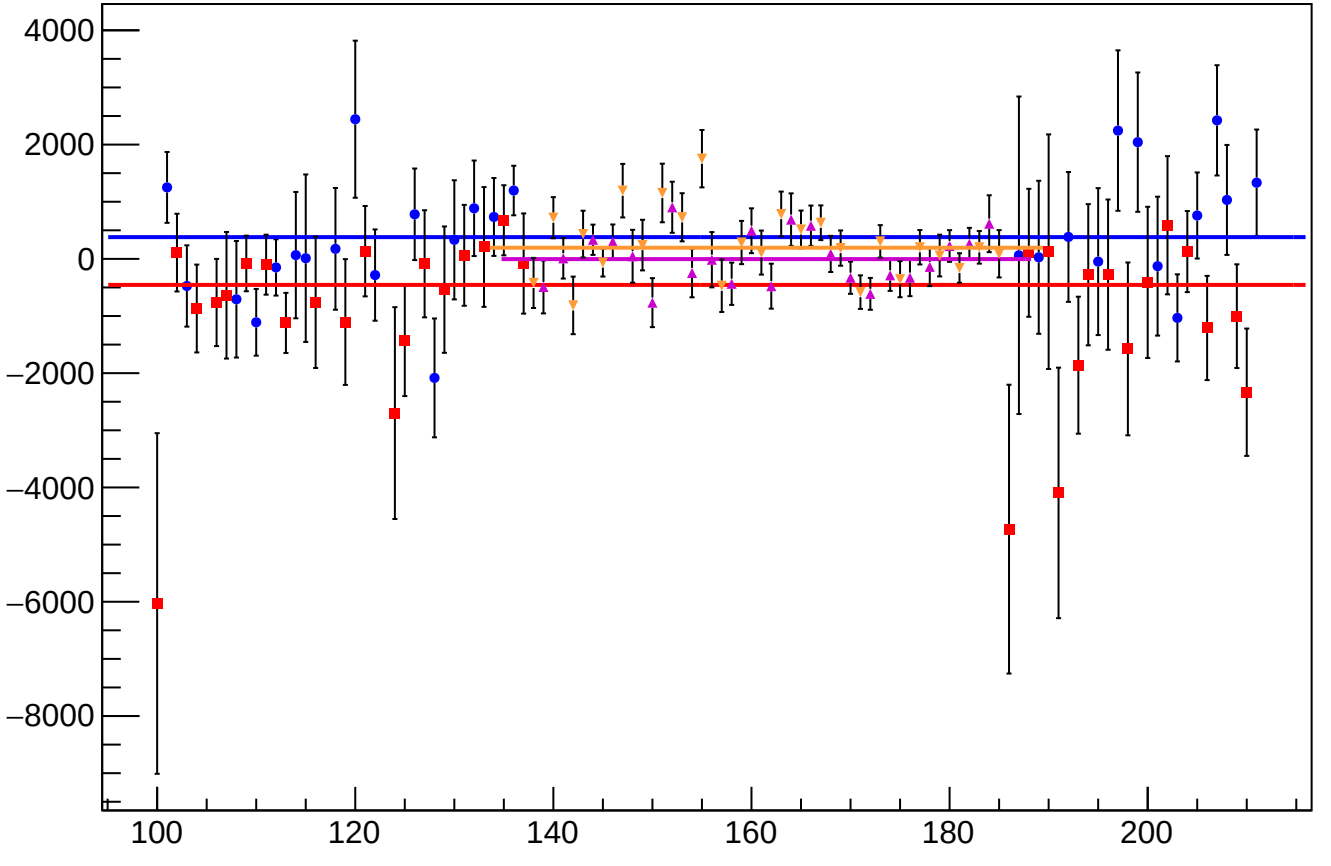
Right: 56.279+/-0.007 χ^2/NDF: 8765149.9/60

In: 44.131+/-0.006 χ^2/NDF:5715409.7/50

Out: 44.209+/-0.005 χ^2/NDF:7358772.8/57

All: 44.171+/-0.004 χ^2/NDF: 13074284.9/108

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 380.643+/-158.377 χ^2/NDF: 39.0/27

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -455.561+/-156.437 χ^2/NDF: 28.5/32

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

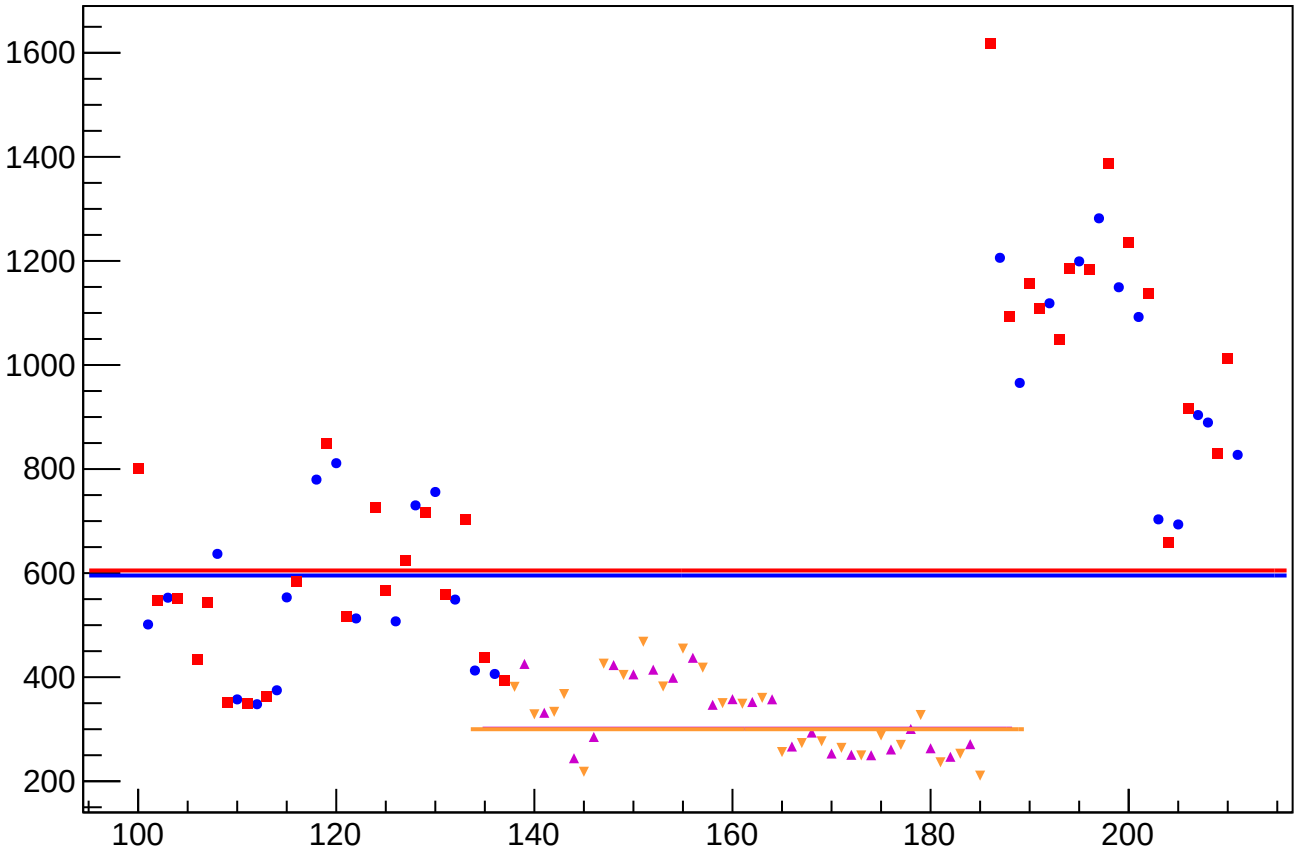
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -42.612+/-111.297 χ^2/NDF: 81.7/60

In: 61.838+/-65.530 χ^2/NDF:76.3/50

Out: 86.256+/-63.966 χ^2/NDF:91.5/57

All: 74.342+/-45.774 χ^2/NDF: 167.9/108



Right In: 595.411+/-0.112 χ^2/NDF: 4669458.4/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 605.083+/-0.111 χ^2/NDF: 6092527.2/32

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

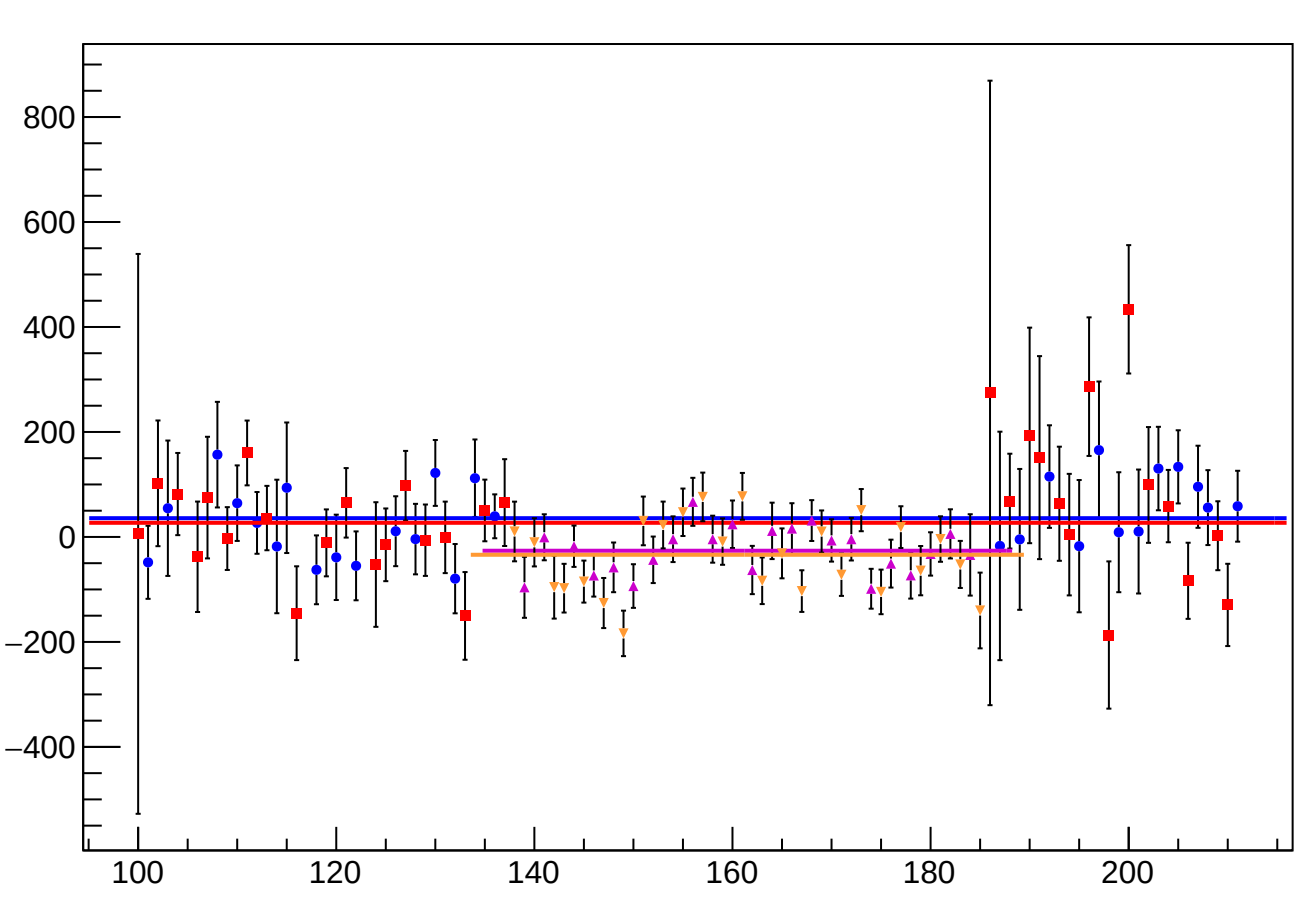
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

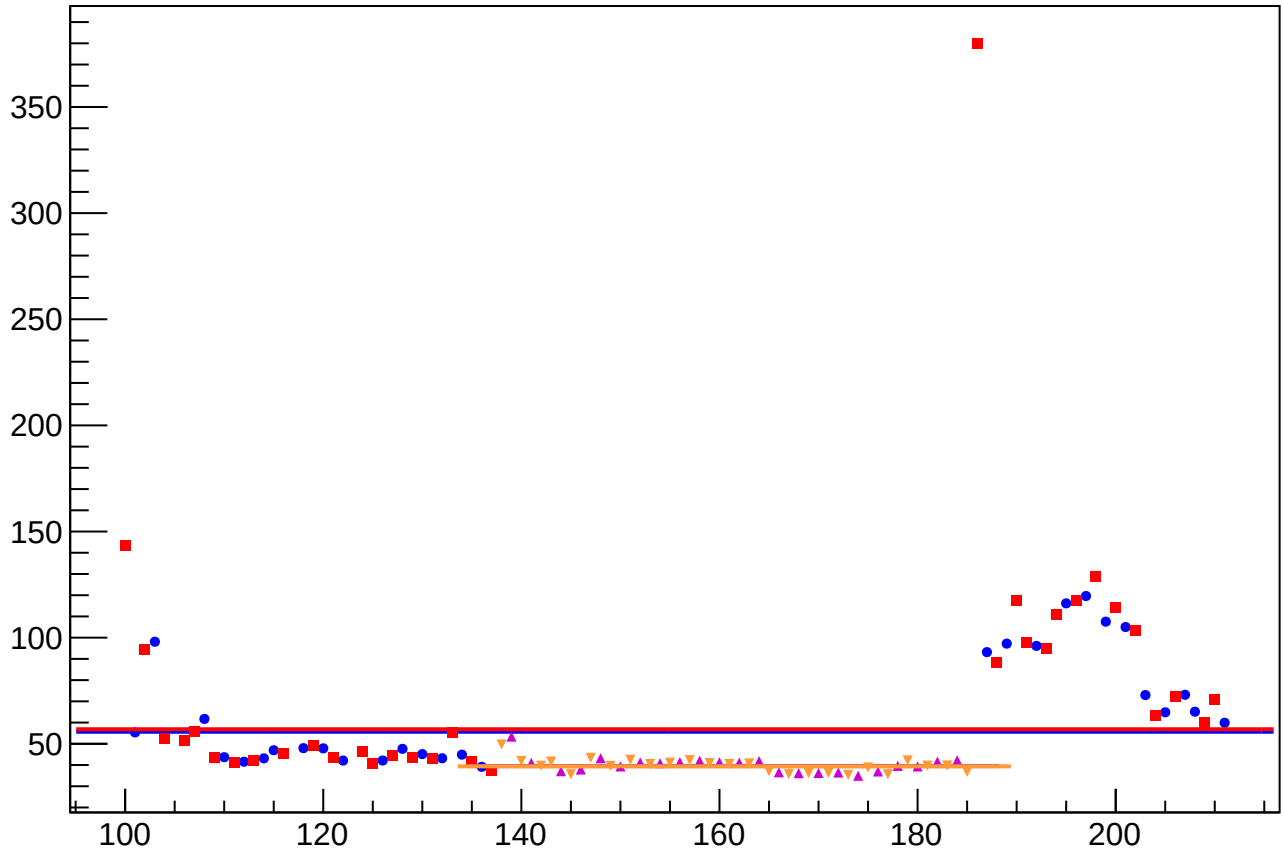
Right: 600.307+/-0.079 χ^2/NDF: 10765760.3/60

In: 351.403+/-0.046 χ^2/NDF:11804709.8/50

Out: 350.987+/-0.045 χ^2/NDF:14236751.2/57

All: 351.190+/-0.032 χ^2/NDF: 26041502.1/10


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 35.750+/-14.632 χ²/NDF: 21.2/27
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 26.963+/-14.565 χ²/NDF: 43.9/32
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.336+/-10.322 χ²/NDF: 65.4/60
In: -8.500+/-7.832 χ²/NDF:56.5/50
Out: -17.139+/-7.652 χ²/NDF:115.3/57
All: -12.920+/-5.473 χ²/NDF: 172.5/108



Right In: 55.687+/-0.010 χ^2/NDF: 3715212.7/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.851+/-0.010 χ^2/NDF: 5045022.7/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

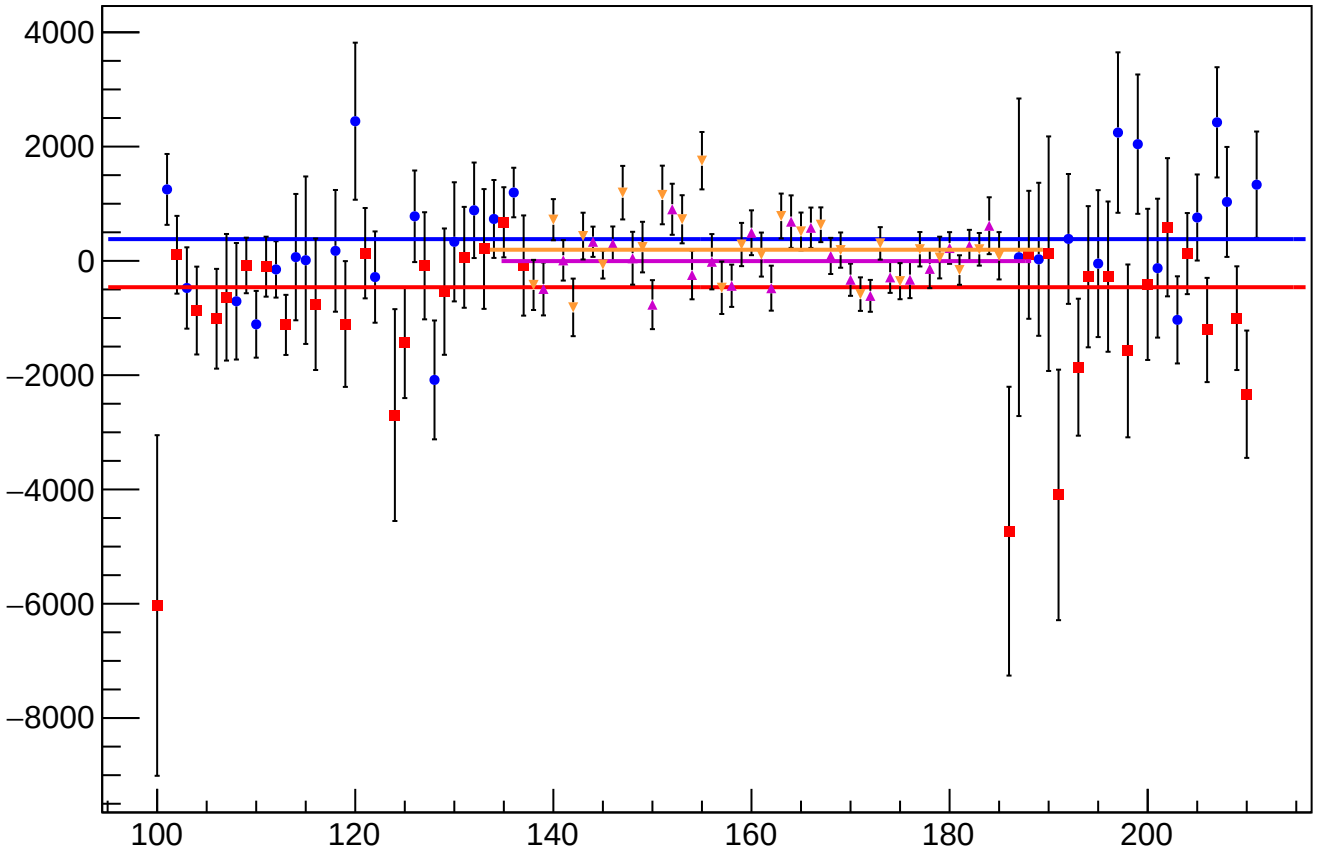
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 56.271+/-0.007 χ^2/NDF: 8766592.7/60

In: 44.131+/-0.006 χ^2/NDF:5715412.7/50

Out: 44.204+/-0.005 χ^2/NDF:7356564.2/57

All: 44.168+/-0.004 χ^2/NDF: 13072067.3/108



Right In: 380.647+/-158.378 χ^2/NDF: 39.0/27

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -460.771+/-157.227 χ^2/NDF: 28.7/32

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

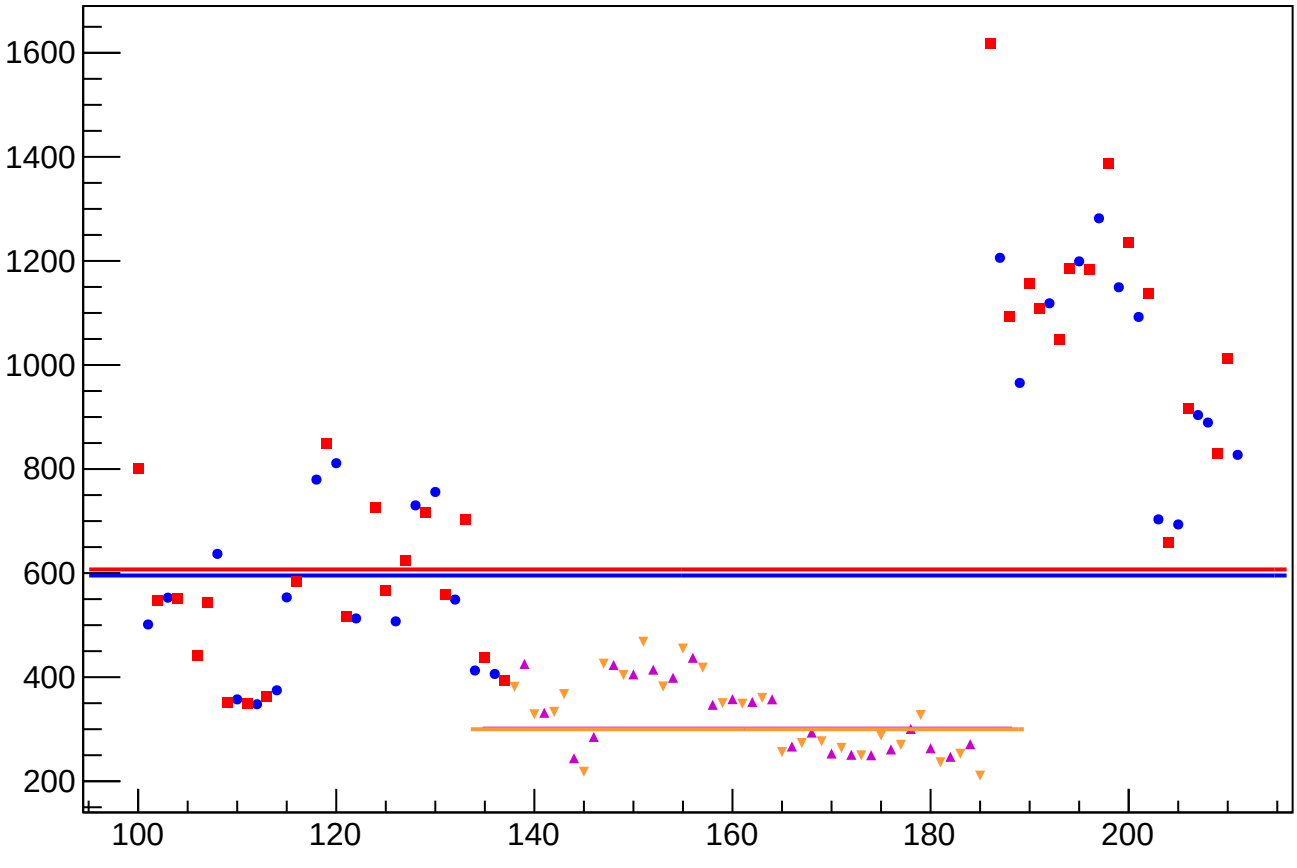
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -43.129+/-111.581 χ^2/NDF: 82.0/60

In: 61.839+/-65.530 χ^2/NDF:76.3/50

Out: 86.302+/-64.019 χ^2/NDF:91.9/57

All: 74.356+/-45.793 χ^2/NDF: 168.2/108



Right In: 595.414+/-0.112 χ^2/NDF: 4669447.9/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 607.063+/-0.111 χ^2/NDF: 6061819.5/32

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

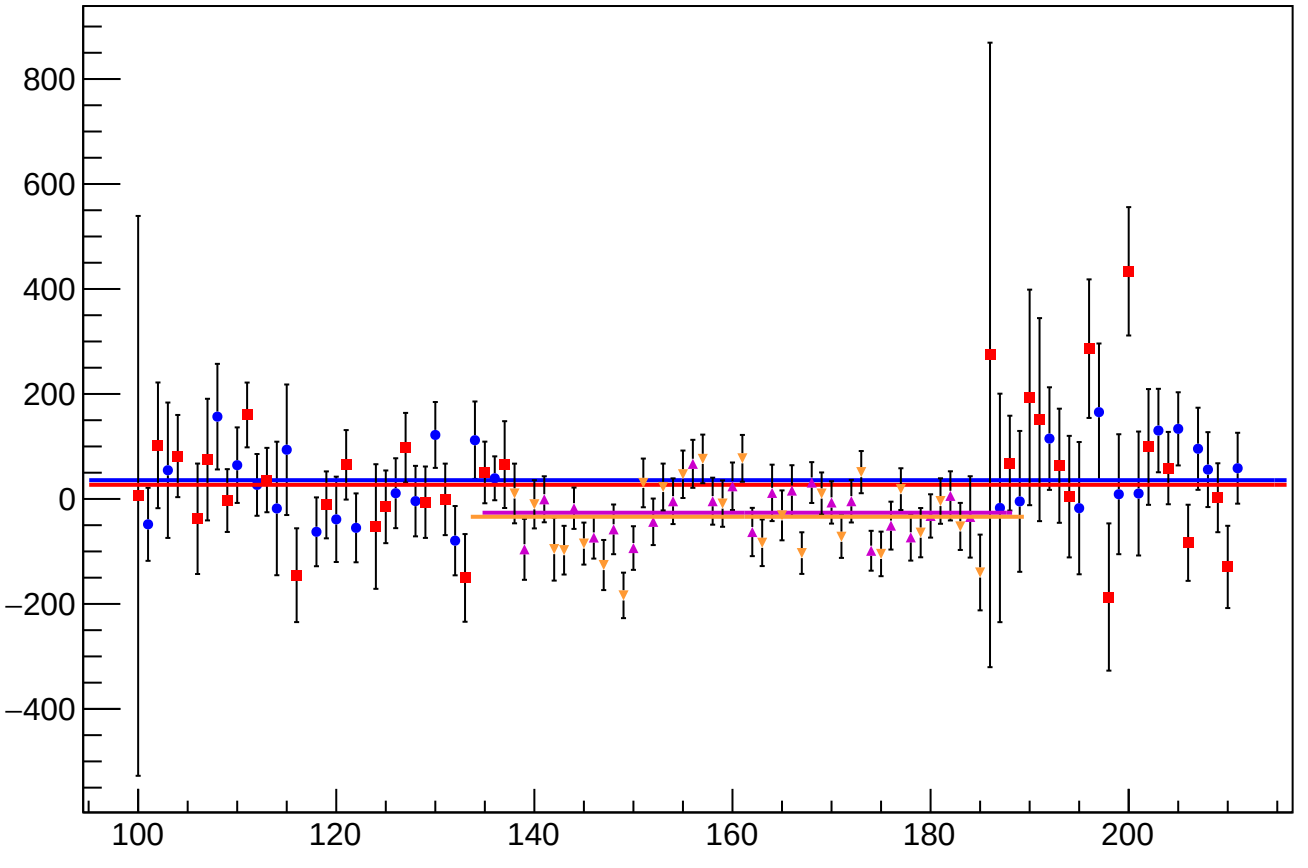
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 601.281+/-0.079 χ^2/NDF: 10736716.8/60

In: 351.403+/-0.046 χ^2/NDF:11804771.3/50

Out: 350.889+/-0.045 χ^2/NDF:14234872.4/57

All: 351.140+/-0.032 χ^2/NDF: 26039706.5/10


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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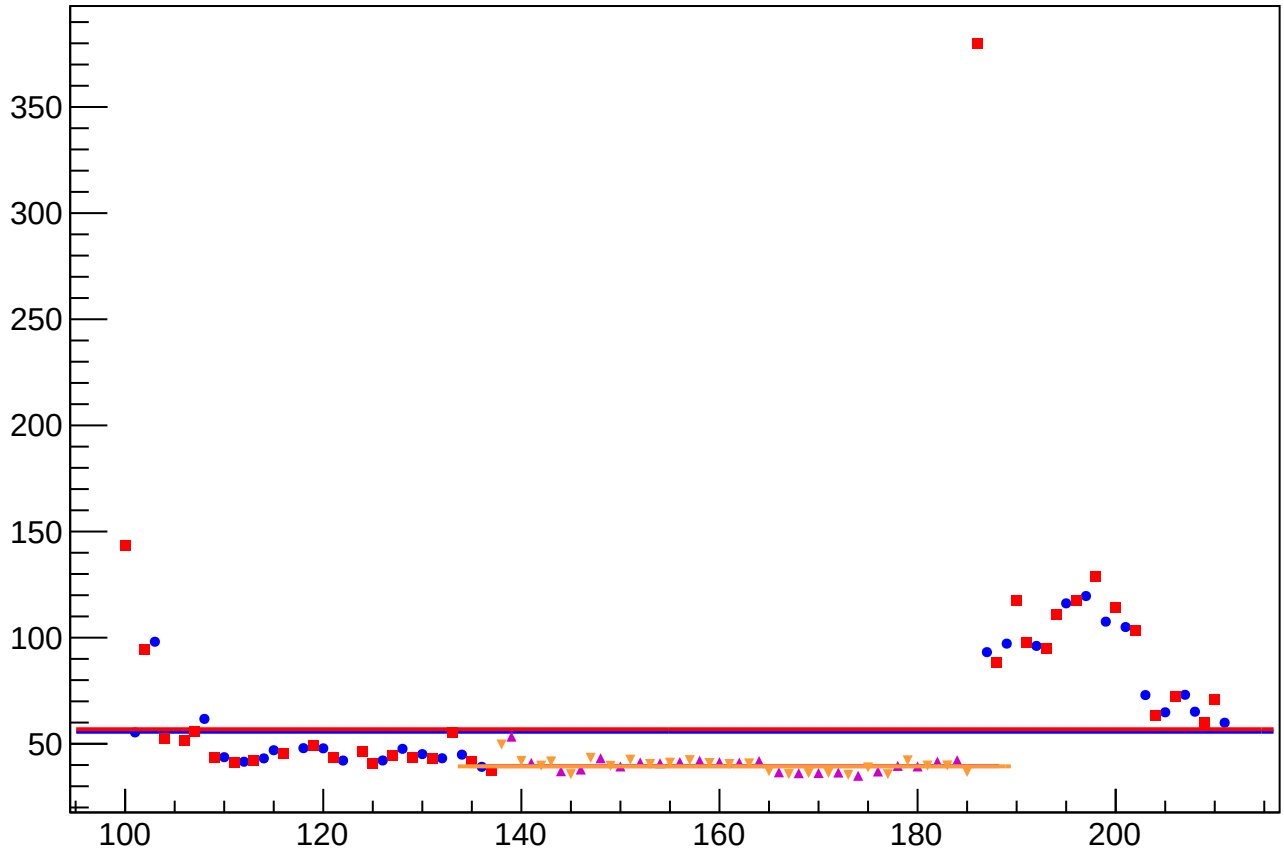
200
0
−200
−400
100
120
140
160
180
200
Right In: 35.750+/-14.632 χ²/NDF: 21.2/27
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 26.963+/-14.565 χ²/NDF: 43.9/32
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.336+/-10.322 χ²/NDF: 65.4/60
In: -8.500+/-7.832 χ²/NDF:56.5/50
Out: -17.139+/-7.652 χ²/NDF:115.3/57
All: -12.920+/-5.473 χ²/NDF: 172.5/108



Right In: 55.687+/-0.010 χ^2/NDF: 3715212.7/27

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.851+/-0.010 χ^2/NDF: 5045022.7/32

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

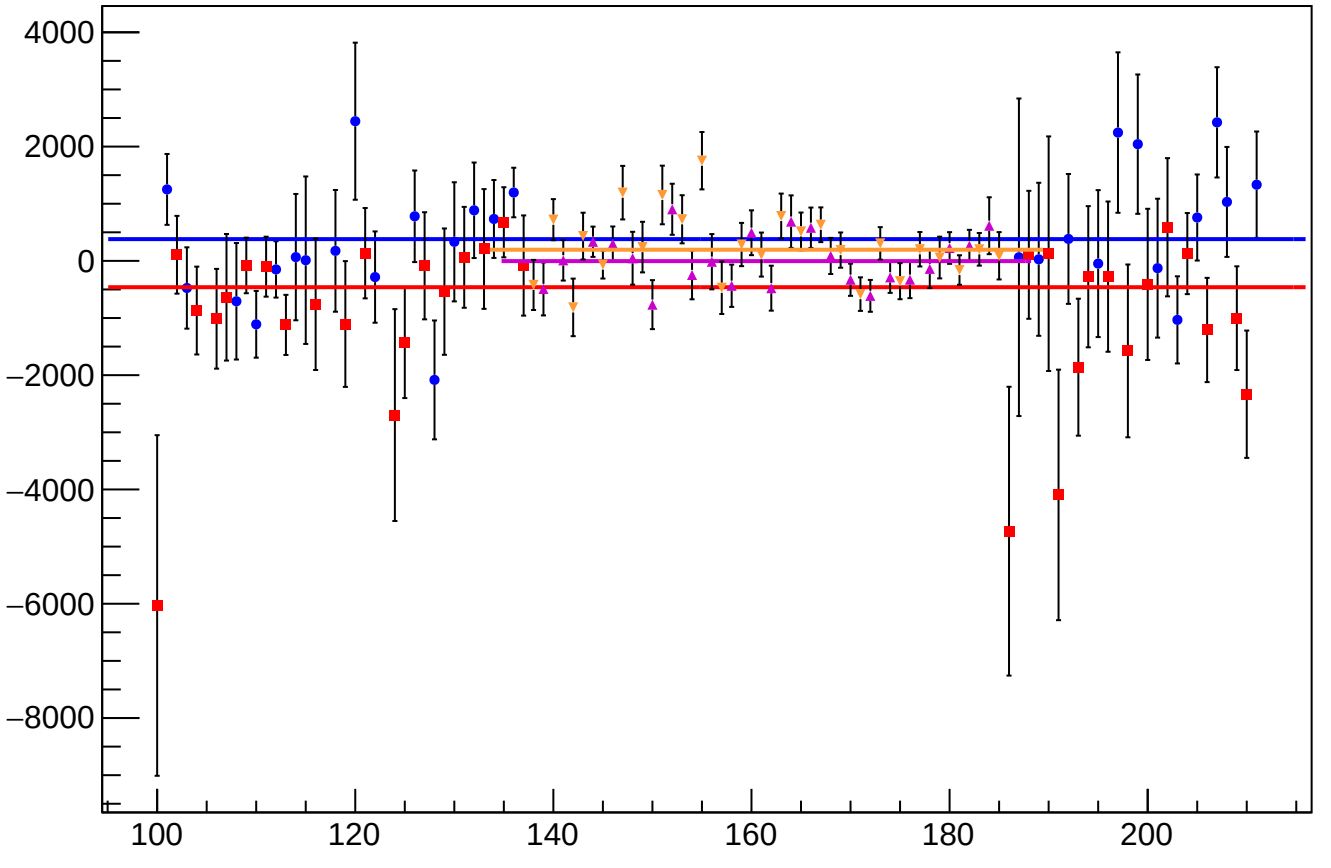
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 56.271+/-0.007 χ^2/NDF: 8766592.7/60

In: 44.131+/-0.006 χ^2/NDF:5715412.7/50

Out: 44.204+/-0.005 χ^2/NDF:7356564.2/57

All: 44.168+/-0.004 χ^2/NDF: 13072067.3/108



Right In: 380.647+/-158.378 χ^2/NDF: 39.0/27

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -460.771+/-157.227 χ^2/NDF: 28.7/32

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

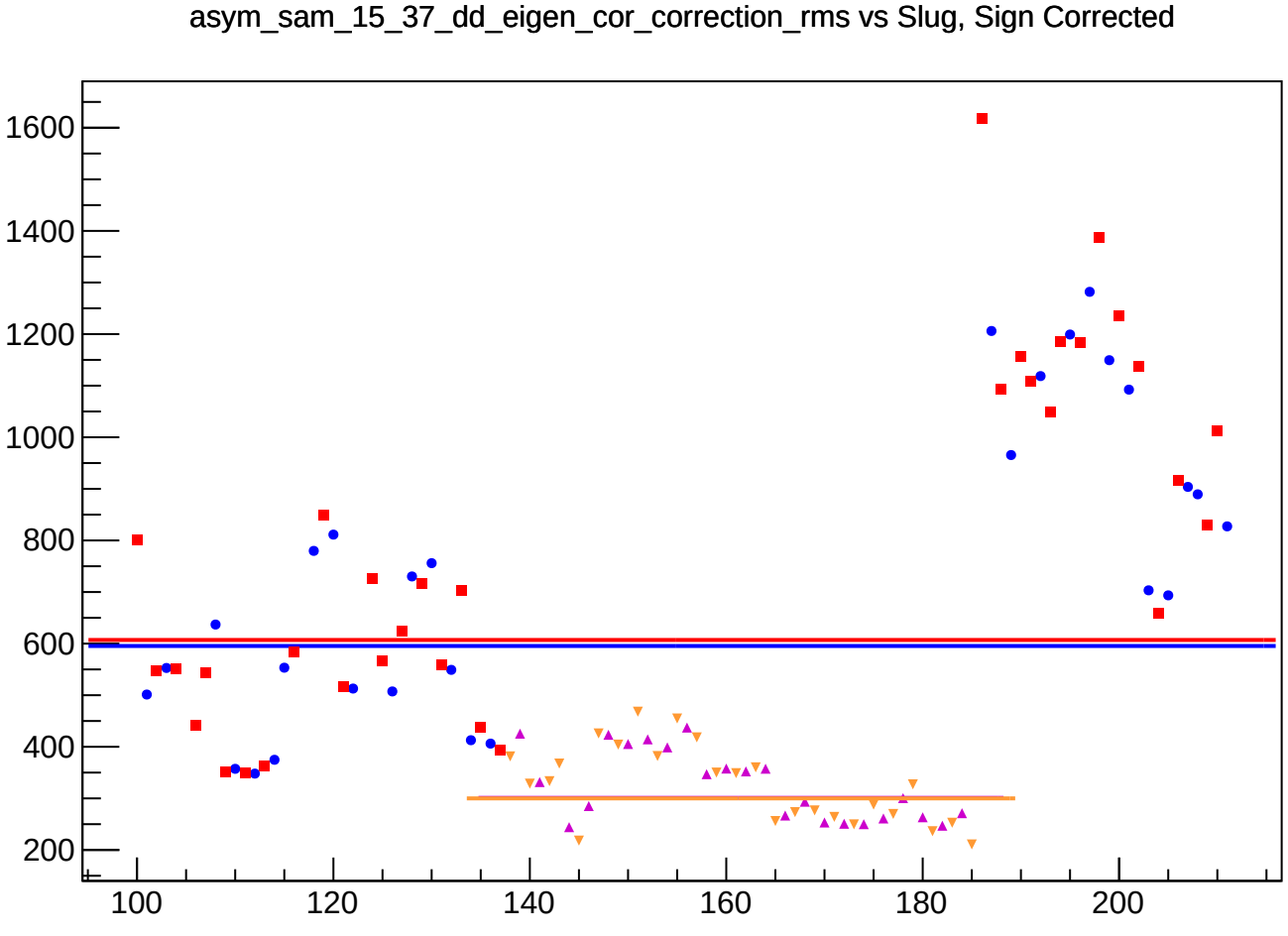
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -43.129+/-111.581 χ^2/NDF: 82.0/60

In: 61.839+/-65.530 χ^2/NDF:76.3/50

Out: 86.302+/-64.019 χ^2/NDF:91.9/57

All: 74.356+/-45.793 χ^2/NDF: 168.2/108



Right In: 595.414+/-0.112 χ^2/NDF: 4669447.9/27

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 607.063+/-0.111 χ^2/NDF: 6061819.5/32

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

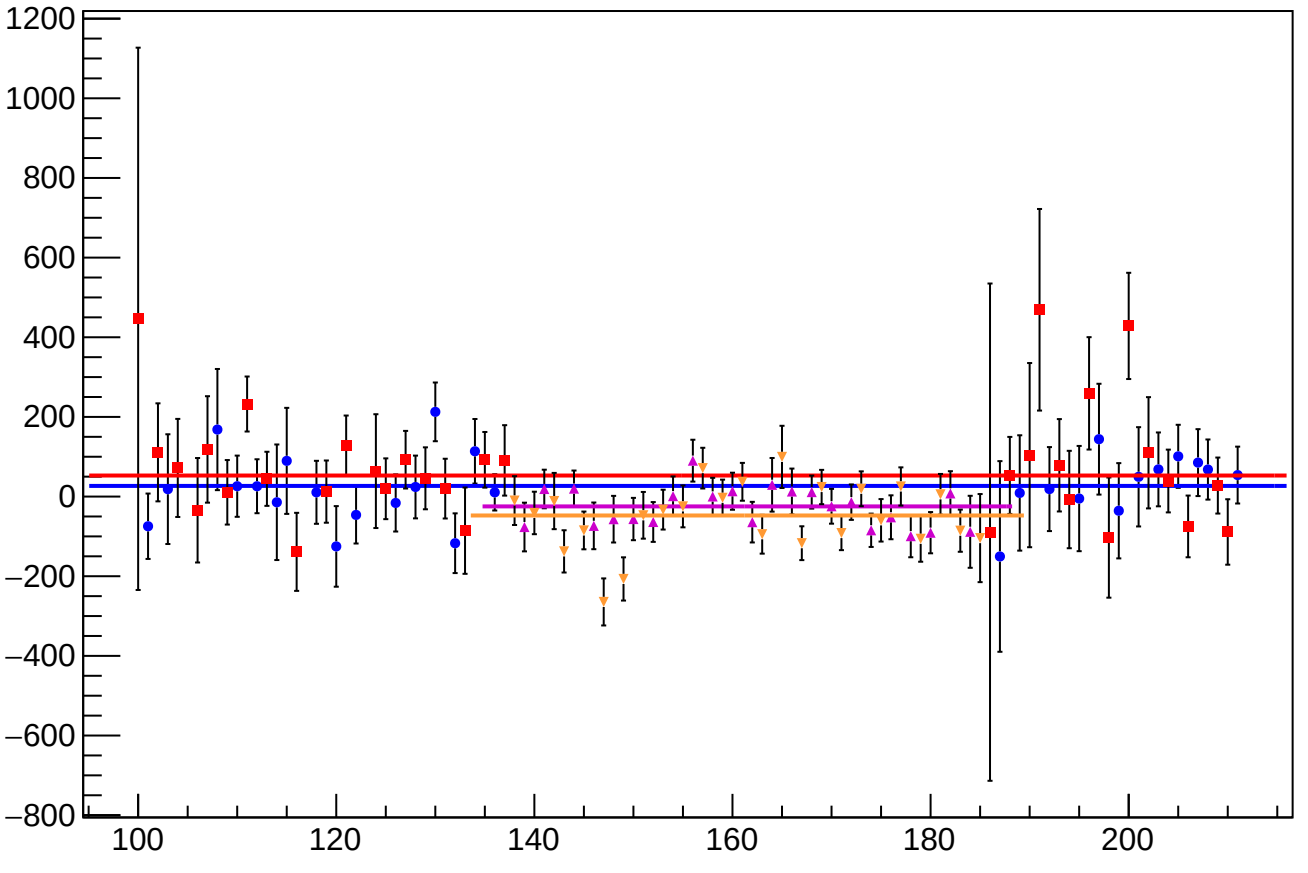
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 601.281+/-0.079 χ^2/NDF: 10736716.8/60

In: 351.403+/-0.046 χ^2/NDF:11804771.3/50

Out: 350.889+/-0.045 χ^2/NDF:14234872.4/57

All: 351.140+/-0.032 χ^2/NDF: 26039706.5/10



Right In: 26.754+/-16.383 χ^2/NDF: 21.3/27

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 52.843+/-16.650 χ^2/NDF: 36.5/32

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

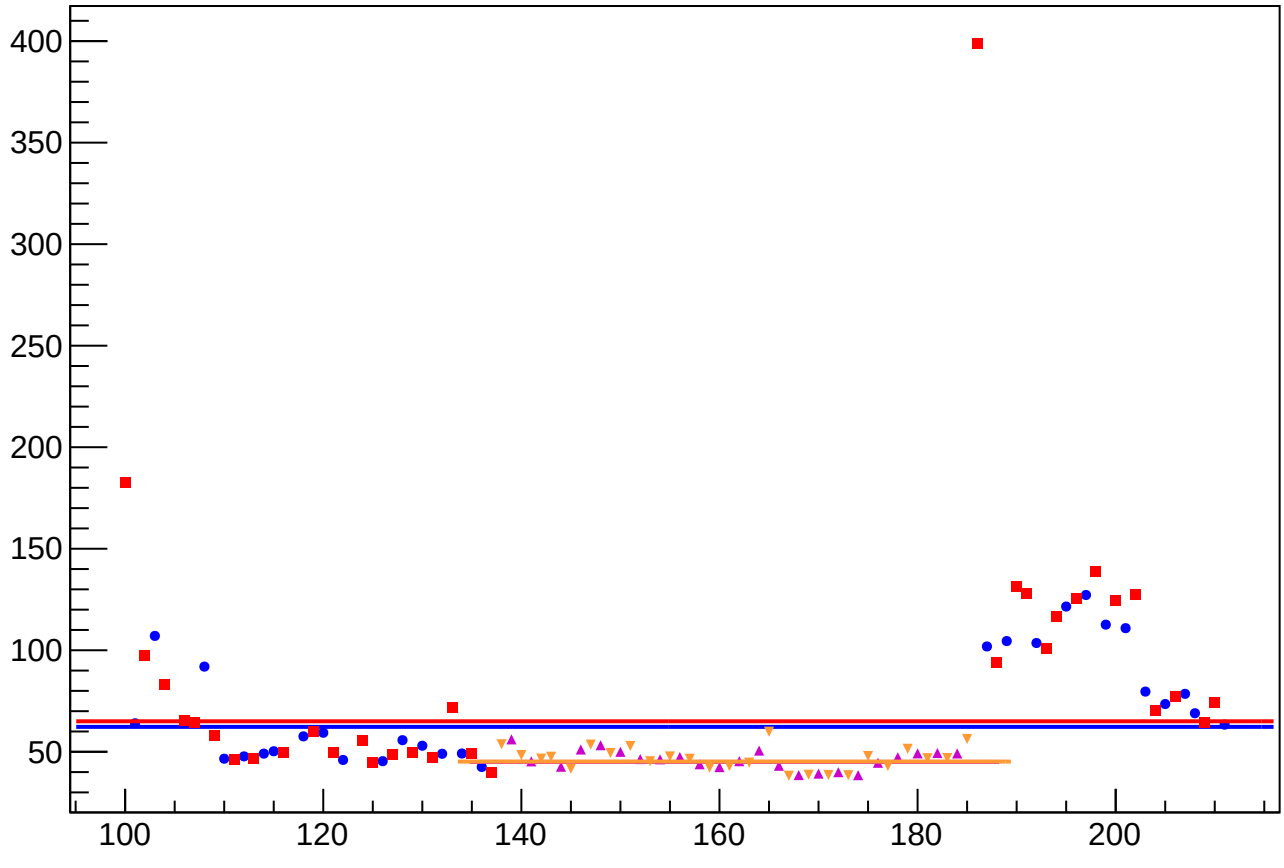
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 39.588+/-11.678 χ^2/NDF: 59.1/60

In: -9.386+/-8.935 χ^2/NDF:48.0/50

Out: -19.354+/-8.816 χ^2/NDF:117.3/57

All: -14.437+/-6.275 χ^2/NDF: 165.9/108



Right In: 62.274+/-0.012 χ^2/NDF: 3486059.9/27

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.021+/-0.012 χ^2/NDF: 4729677.7/32

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

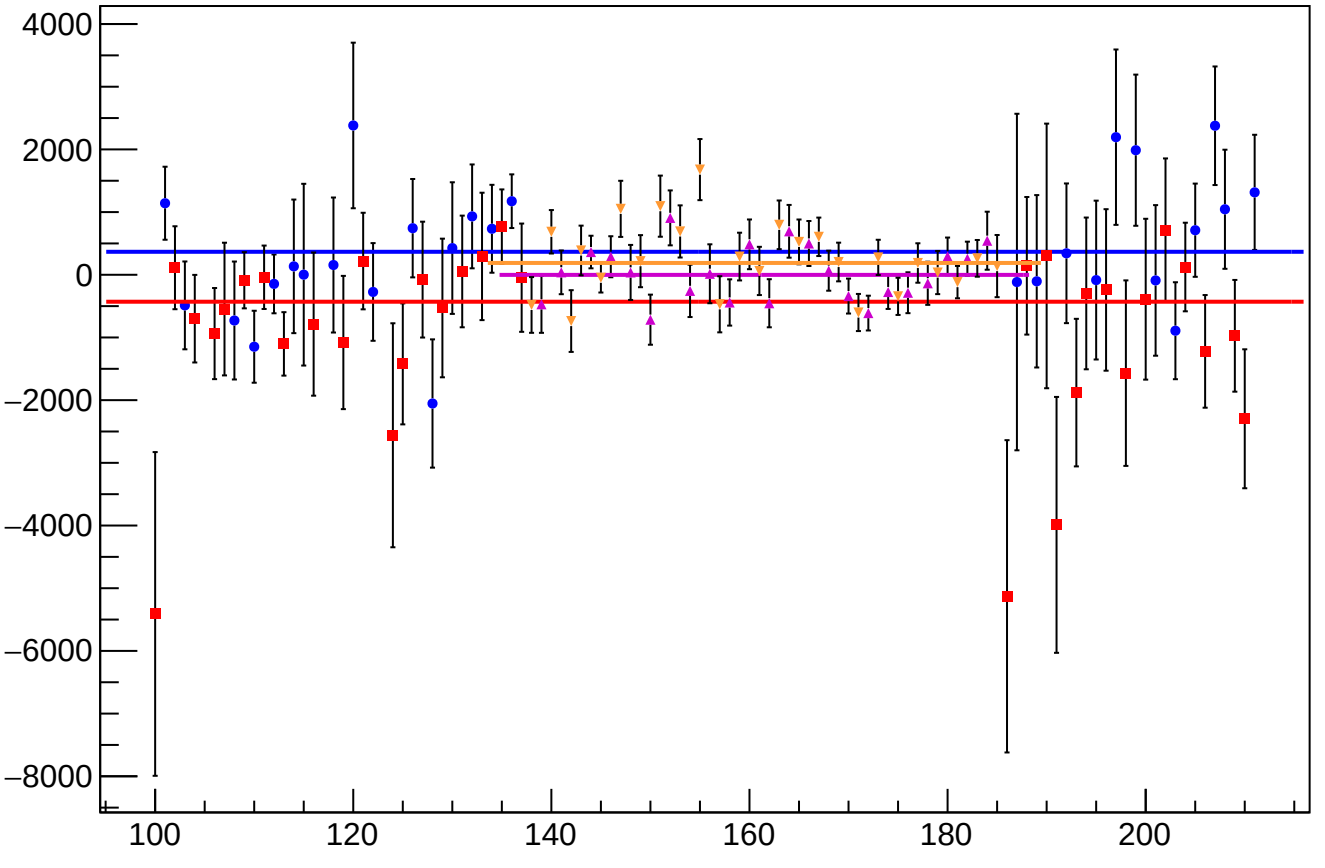
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 63.625+/-0.008 χ^2/NDF: 8243409.2/60

In: 50.150+/-0.006 χ^2/NDF:5417634.4/50

Out: 50.739+/-0.006 χ^2/NDF:7264447.0/57

All: 50.448+/-0.004 χ^2/NDF: 12686482.5/108



Right In: 366.748+/-155.327 χ^2/NDF: 38.9/27

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -429.704+/-151.144 χ^2/NDF: 31.6/32

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

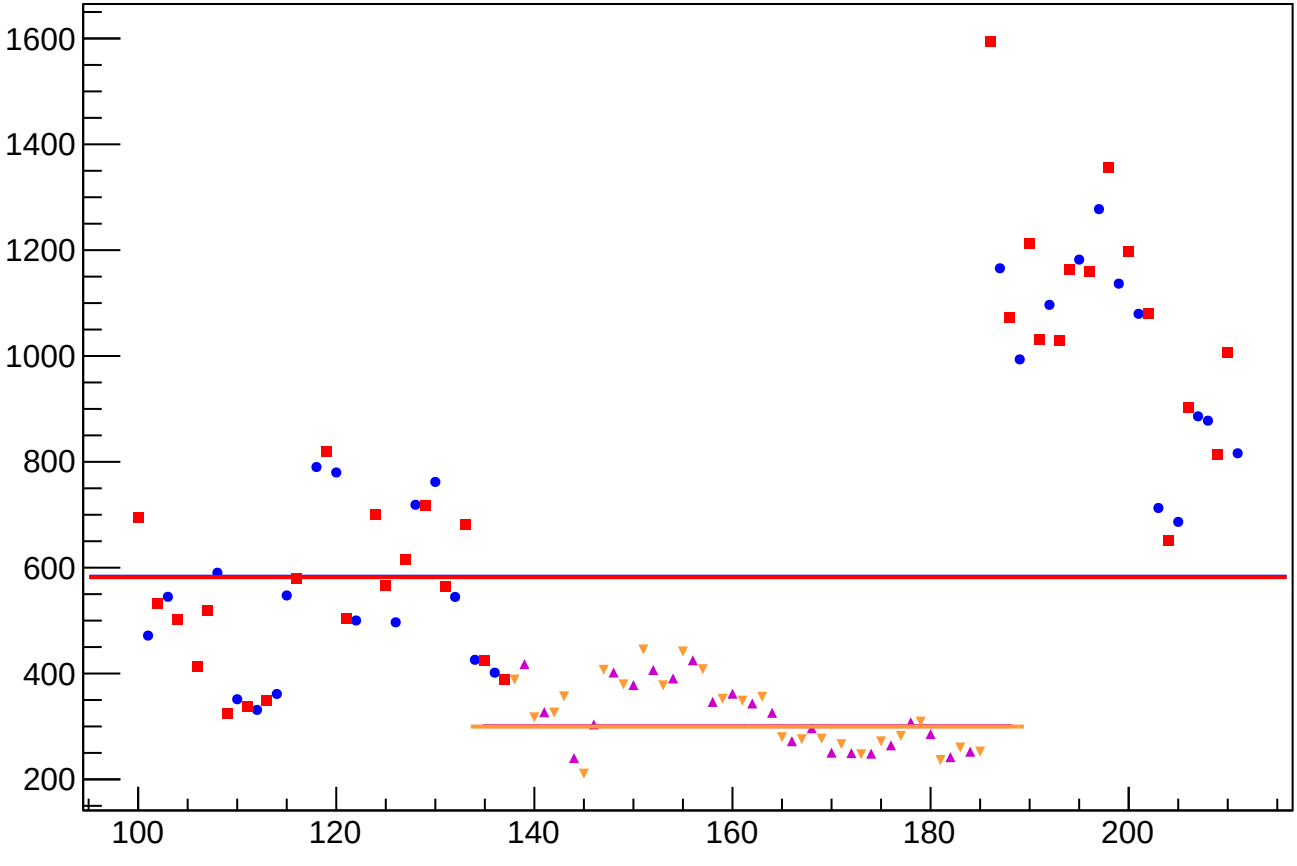
Right: -42.346+/-108.323 χ^2/NDF: 84.0/60

In: 63.075+/-65.108 χ^2/NDF:75.8/50

Out: 80.311+/-63.304 χ^2/NDF:92.1/57

All: 71.935+/-45.387 χ^2/NDF: 168.0/108

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.964+/-0.110 χ^2/NDF: 4814557.3/27

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 582.118+/-0.107 χ^2/NDF: 6375848.5/32

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

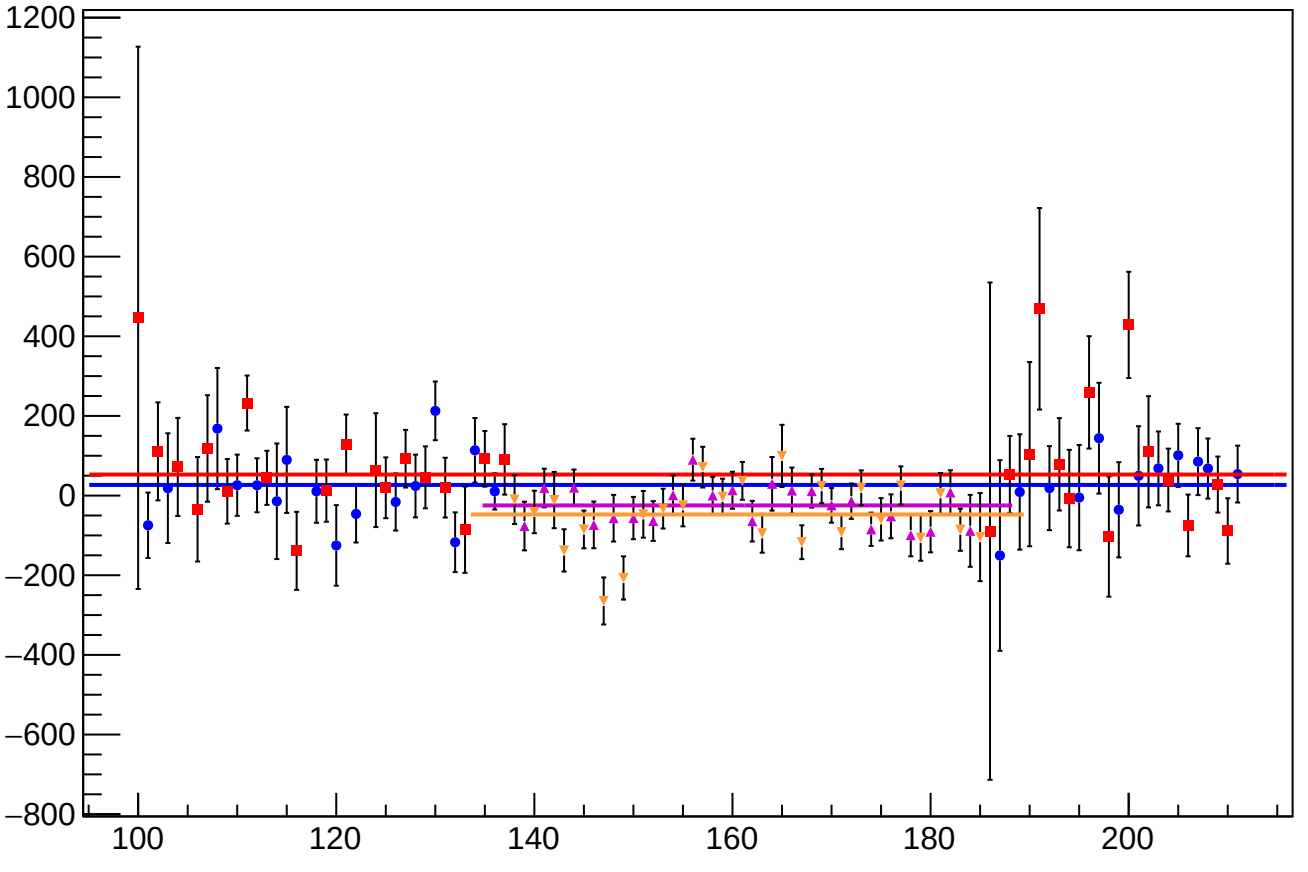
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 582.530+/-0.077 χ^2/NDF: 11190436.3/60

In: 350.166+/-0.046 χ^2/NDF:11524047.8/50

Out: 349.323+/-0.045 χ^2/NDF:13707156.8/57

All: 349.733+/-0.032 χ^2/NDF: 25231376.9/10



Right In: 26.754+/-16.383 χ^2/NDF: 21.3/27

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 52.844+/-16.650 χ^2/NDF: 36.5/32

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

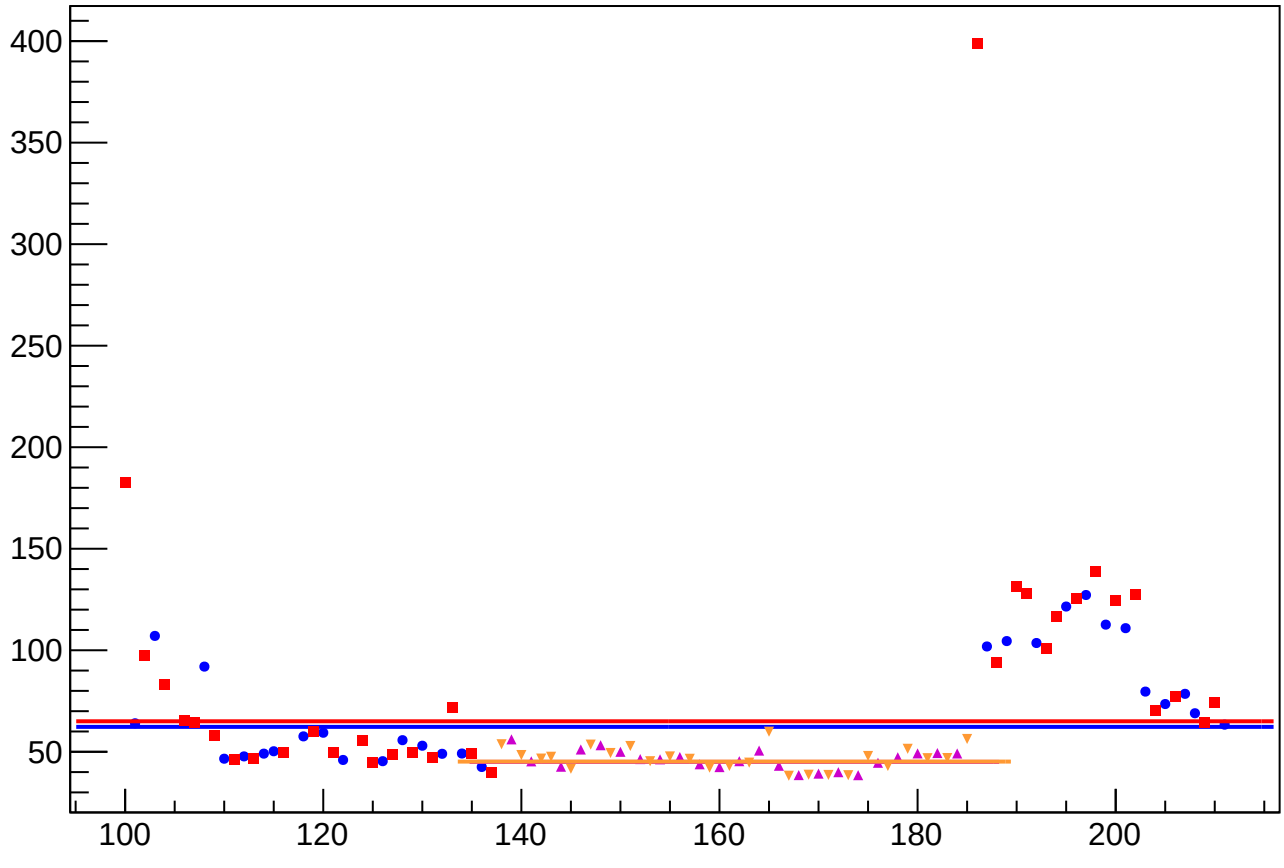
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 39.588+/-11.678 χ^2/NDF: 59.1/60

In: -9.387+/-8.935 χ^2/NDF:48.0/50

Out: -19.354+/-8.816 χ^2/NDF:117.3/57

All: -14.437+/-6.275 χ^2/NDF: 165.9/108



Right In: 62.274+/-0.012 χ^2/NDF: 3486064.6/27

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.021+/-0.012 χ^2/NDF: 4729681.4/32

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

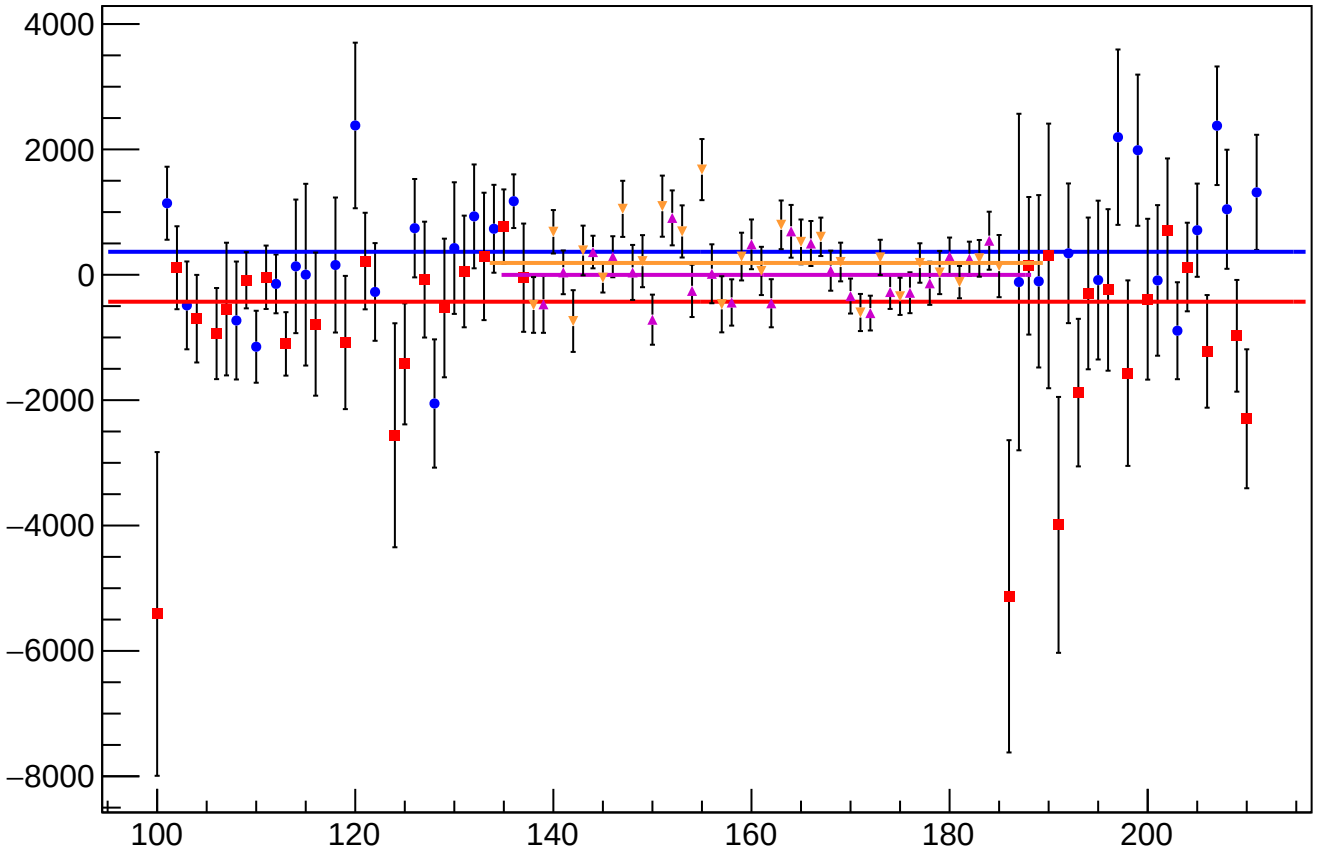
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 63.625+/-0.008 χ^2/NDF: 8243418.4/60

In: 50.150+/-0.006 χ^2/NDF:5417632.9/50

Out: 50.739+/-0.006 χ^2/NDF:7264457.0/57

All: 50.448+/-0.004 χ^2/NDF: 12686490.6/108



Right In: 366.747+/-155.326 χ^2/NDF: 38.9/27

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -429.703+/-151.144 χ^2/NDF: 31.6/32

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

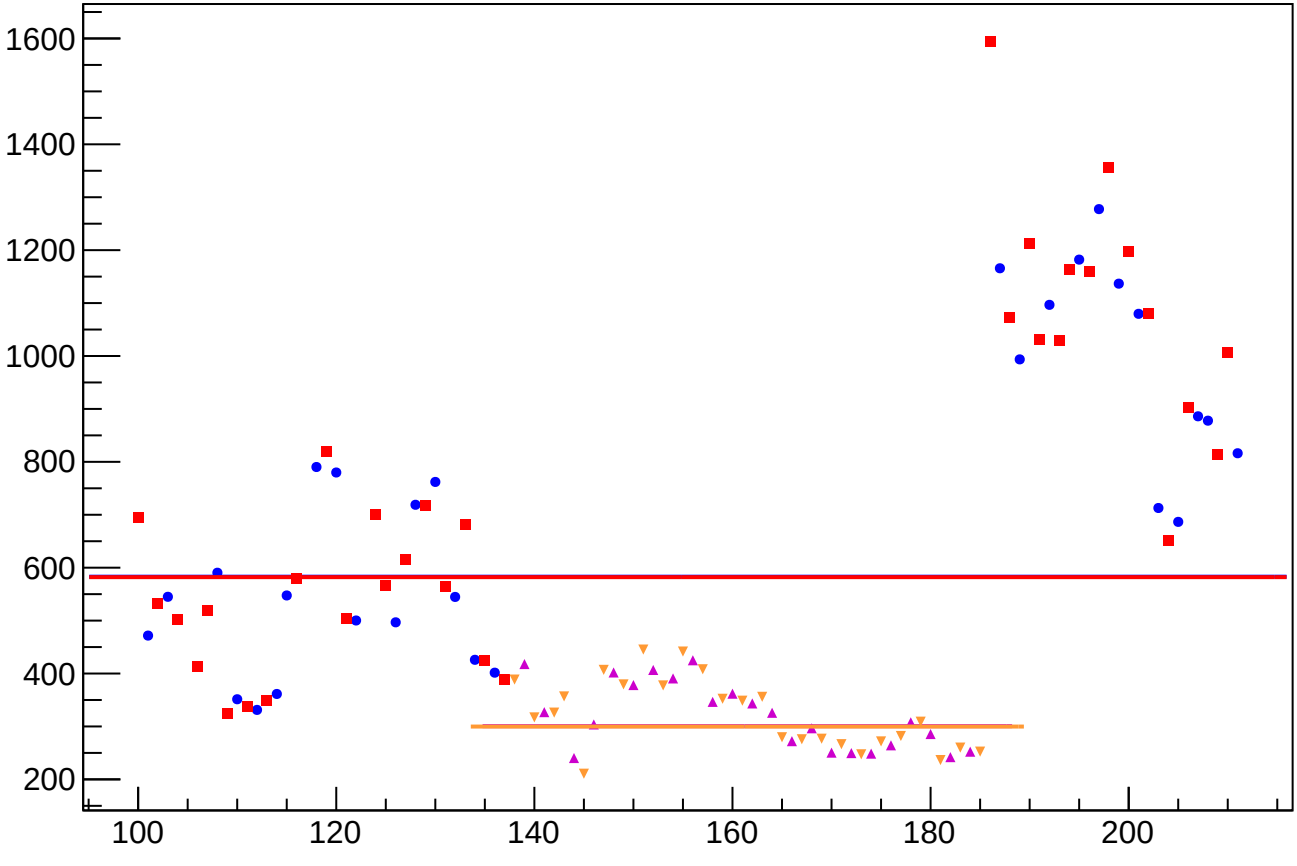
Right: -42.346+/-108.323 χ^2/NDF: 84.0/60

In: 63.075+/-65.108 χ^2/NDF:75.8/50

Out: 80.310+/-63.304 χ^2/NDF:92.1/57

All: 71.935+/-45.387 χ^2/NDF: 168.0/108

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.964+/-0.110 χ^2/NDF: 4814573.2/27

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 582.117+/-0.107 χ^2/NDF: 6375859.7/32

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

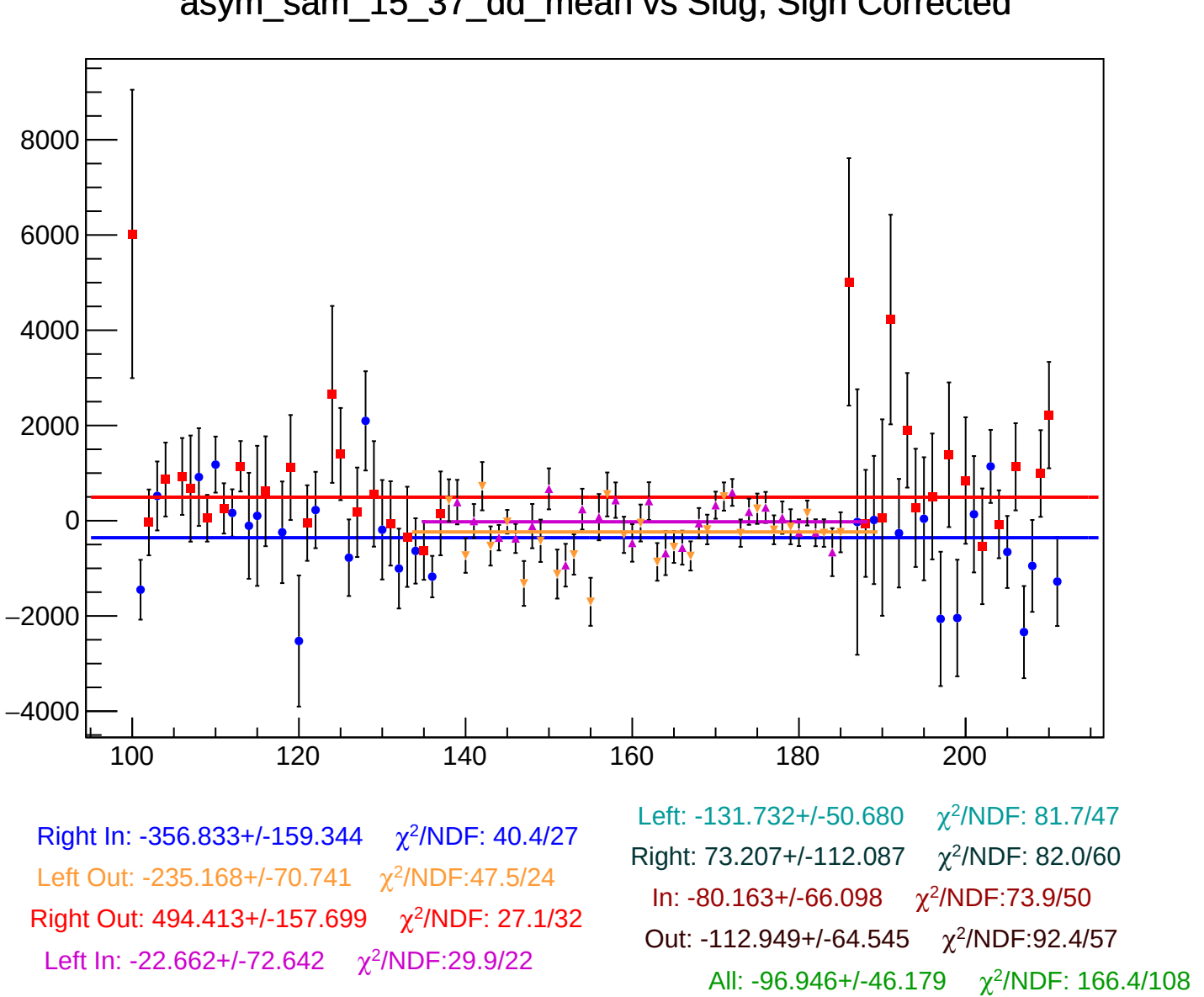
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 582.529+/-0.077 χ^2/NDF: 11190463.5/60

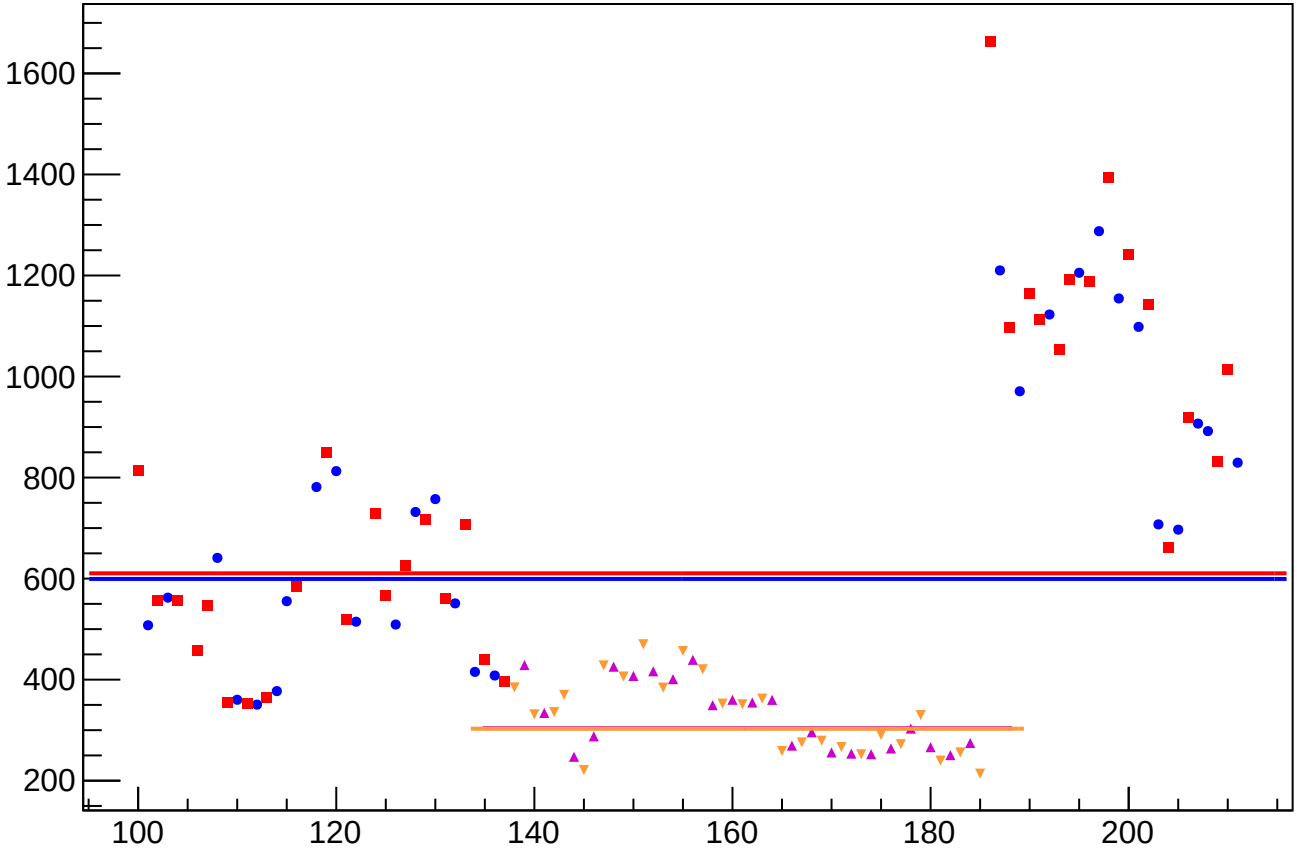
In: 350.167+/-0.046 χ^2/NDF:11524019.4/50

Out: 349.324+/-0.045 χ^2/NDF:13707136.2/57

All: 349.733+/-0.032 χ^2/NDF: 25231327.9/10


asym_sam_15_37_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -356.833+/-159.344 χ²/NDF: 40.4/27
Left Out: -235.168+/-70.741 χ²/NDF:47.5/24
Right Out: 494.413+/-157.699 χ²/NDF: 27.1/32
Left In: -22.662+/-72.642 χ²/NDF:29.9/22
Left: -131.732+/-50.680 χ²/NDF: 81.7/47
Right: 73.207+/-112.087 χ²/NDF: 82.0/60
In: -80.163+/-66.098 χ²/NDF:73.9/50
Out: -112.949+/-64.545 χ²/NDF:92.4/57
All: -96.946+/-46.179 χ²/NDF: 166.4/108

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 599.333+/-0.113 χ^2/NDF: 4642375.5/27

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 610.486+/-0.112 χ^2/NDF: 6037247.7/32

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

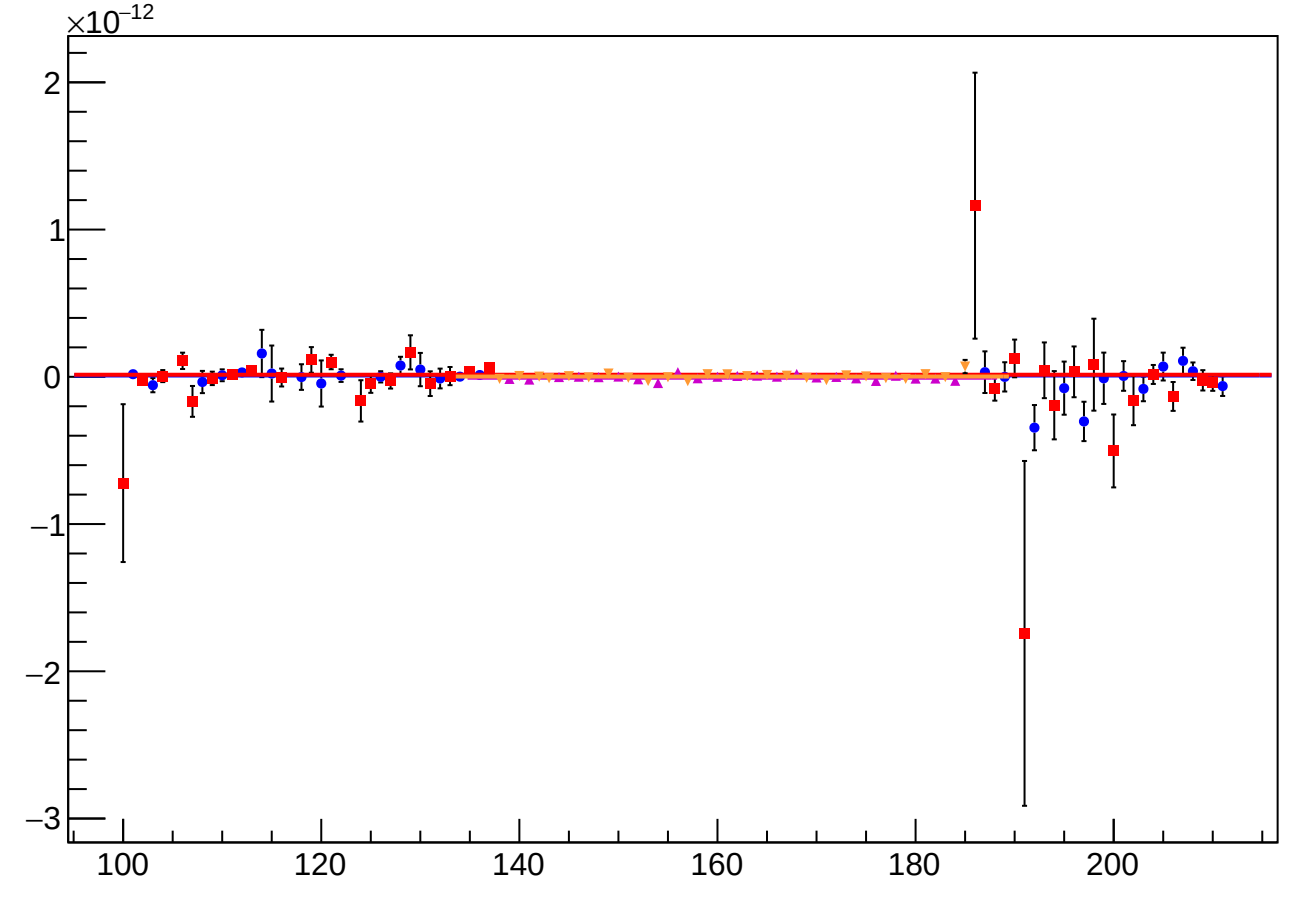
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 604.967+/-0.079 χ^2/NDF: 10684572.6/60

In: 354.754+/-0.047 χ^2/NDF:11709889.5/50

Out: 354.463+/-0.046 χ^2/NDF:14135571.4/57

All: 354.605+/-0.033 χ^2/NDF: 25845480.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/32

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

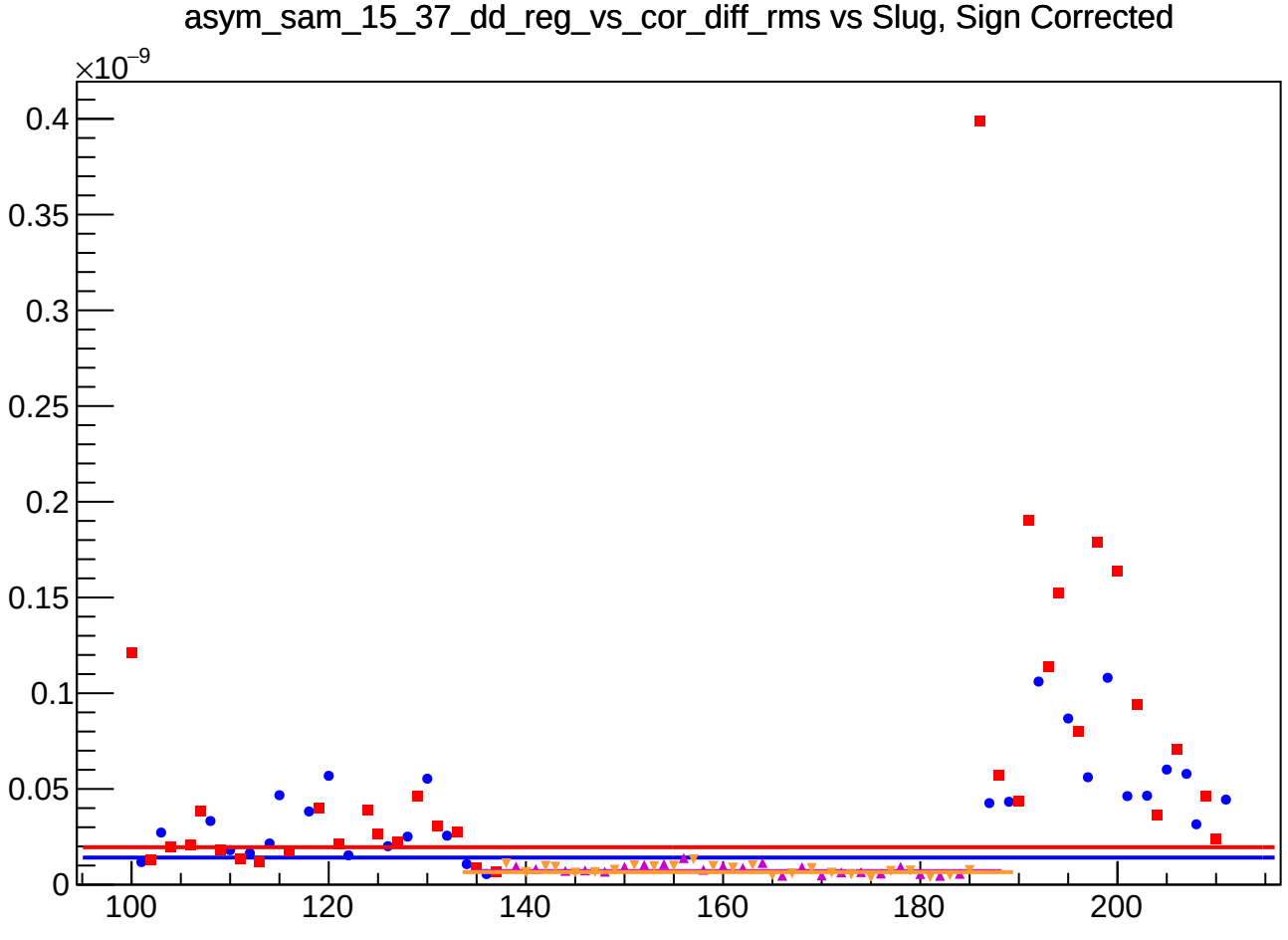
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.6/60

In: -0.000+/-0.000 χ^2/NDF:42.3/50

Out: 0.000+/-0.000 χ^2/NDF:64.0/57

All: -0.000+/-0.000 χ^2/NDF: 110.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 6470673.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6335522.0/32

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

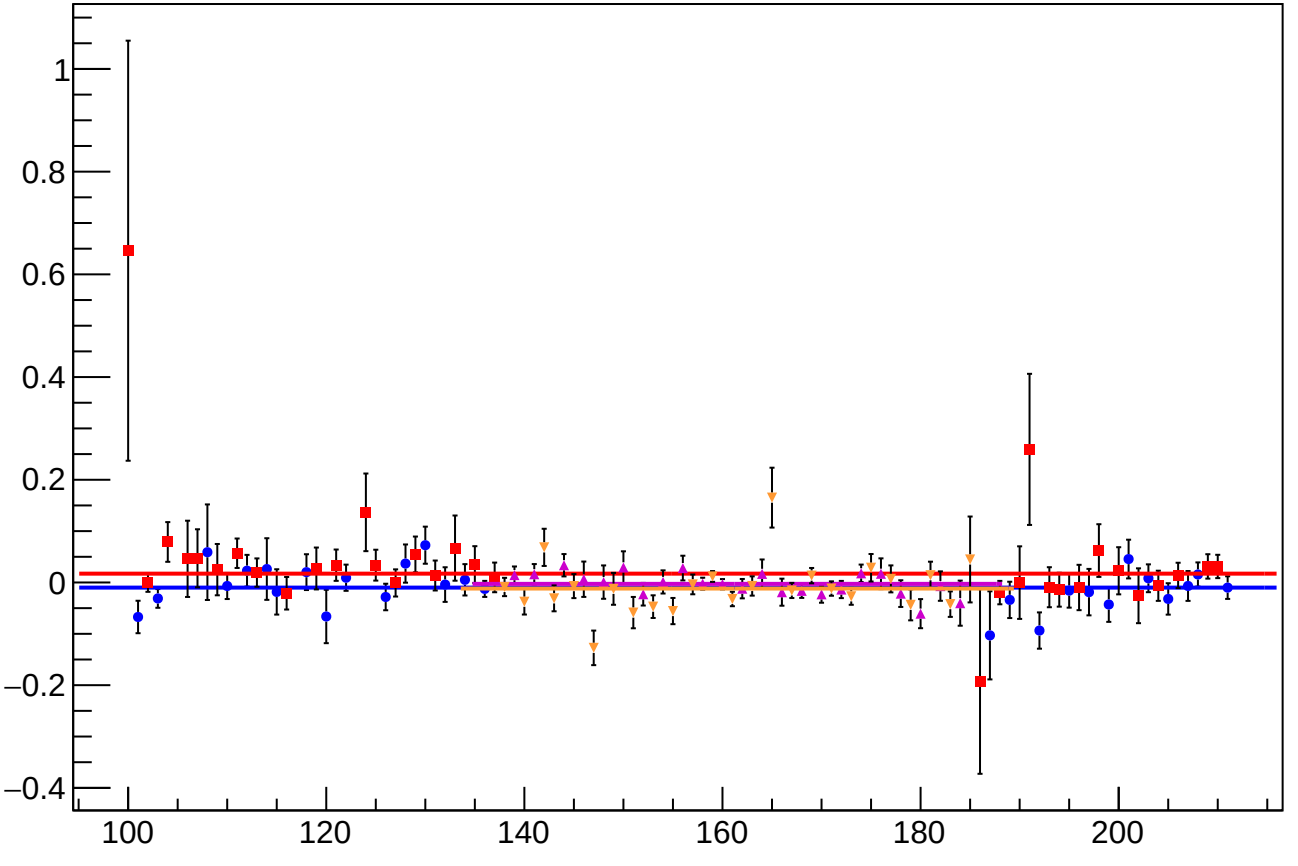
Right: 0.000+/-0.000 χ^2/NDF: 13188335.7/60

In: 0.000+/-0.000 χ^2/NDF:8940820.7/50

Out: 0.000+/-0.000 χ^2/NDF:11176329.6/57

All: 0.000+/-0.000 χ^2/NDF: 20150576.3/108

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

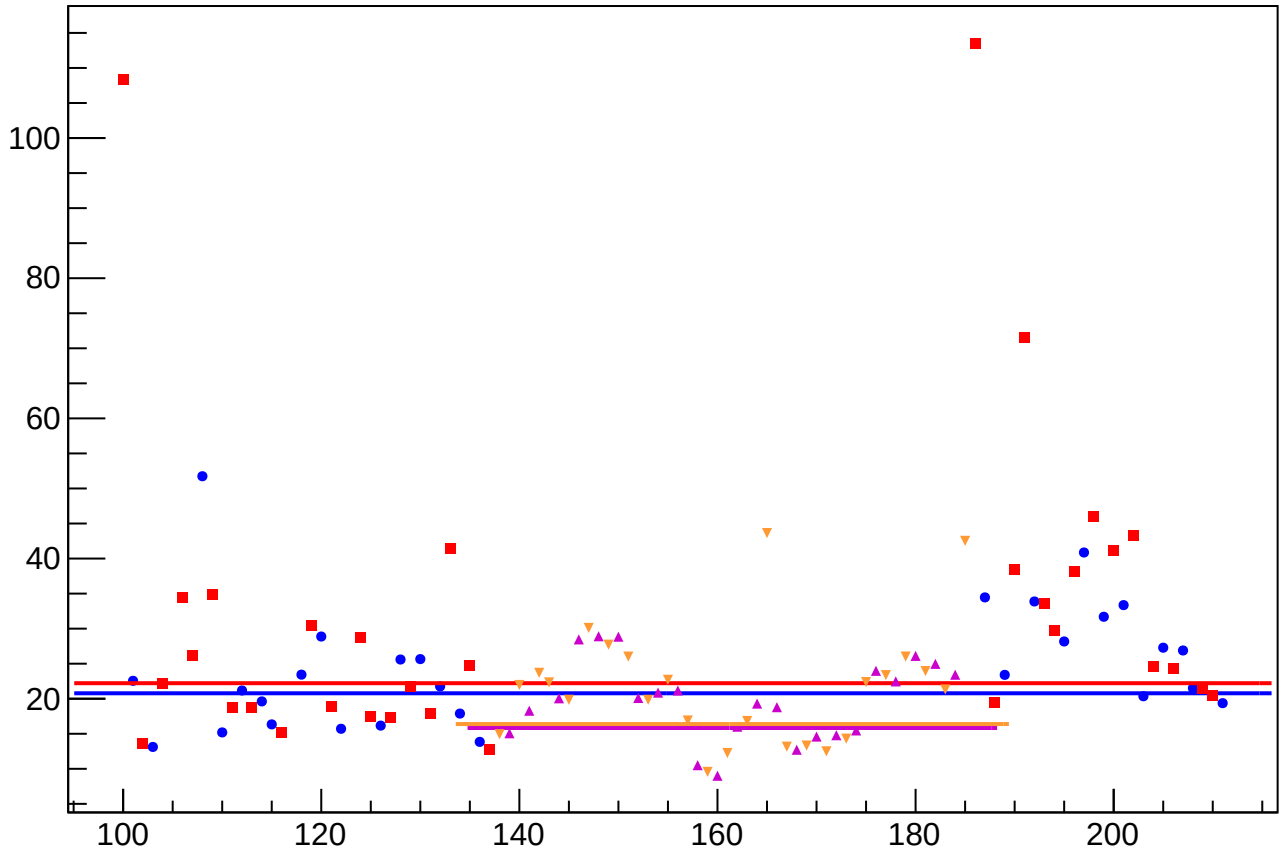
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.003+/-0.004 χ^2/NDF: 67.1/60

In: -0.005+/-0.003 χ^2/NDF:50.3/50

Out: -0.002+/-0.003 χ^2/NDF:96.4/57

All: -0.004+/-0.002 χ^2/NDF: 147.0/108



Right In: 20.778+/-0.004 χ^2/NDF: 2836528.4/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.217+/-0.004 χ^2/NDF: 4111804.3/32

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

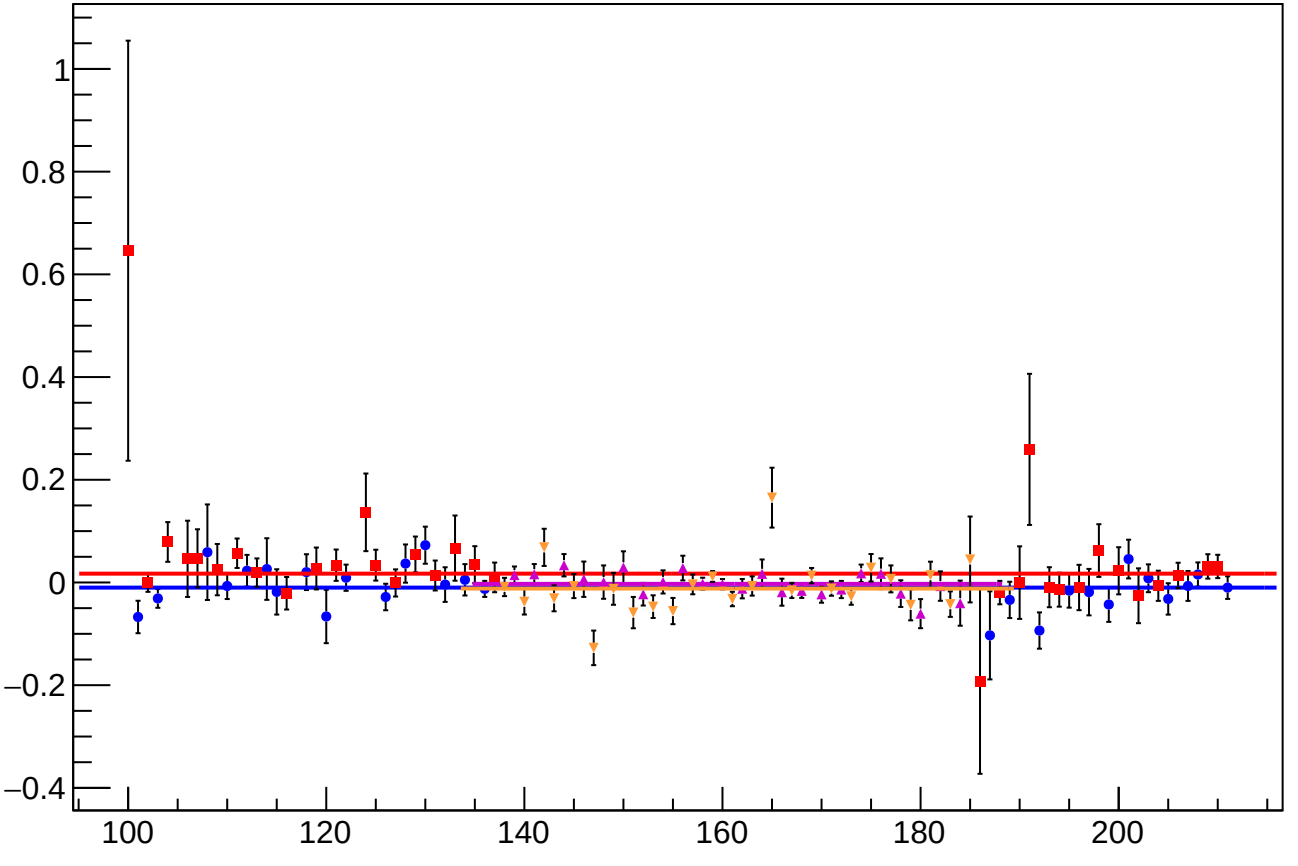
Right: 21.464+/-0.003 χ^2/NDF: 7010521.2/60

In: 17.506+/-0.002 χ^2/NDF:7511971.6/50

Out: 18.263+/-0.002 χ^2/NDF:9464114.7/57

All: 17.877+/-0.002 χ^2/NDF: 17028202.5/108

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

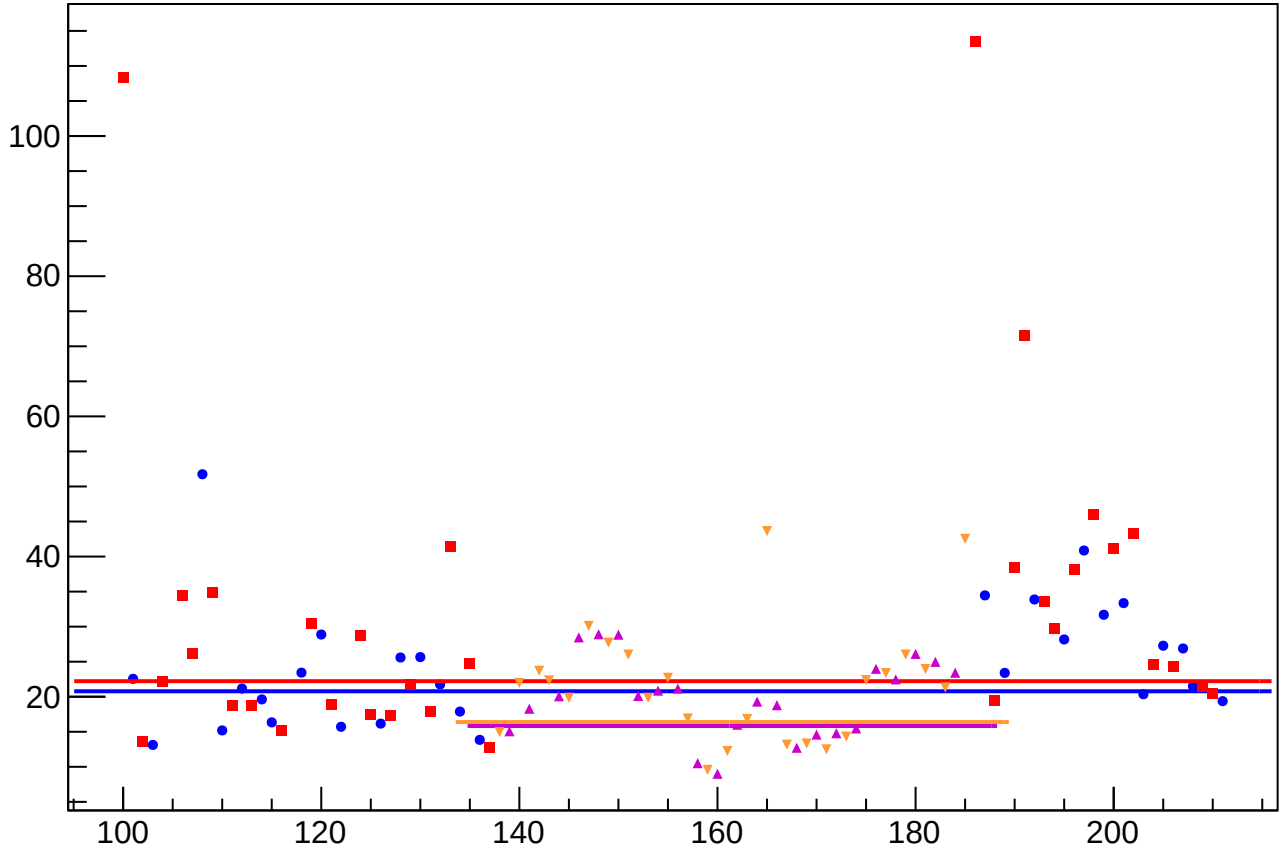
Right: 0.003+/-0.004 χ^2/NDF: 67.1/60

In: -0.005+/-0.003 χ^2/NDF:50.3/50

Out: -0.002+/-0.003 χ^2/NDF:96.4/57

All: -0.004+/-0.002 χ^2/NDF: 147.0/108

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.778+/-0.004 χ^2/NDF: 2836528.4/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.217+/-0.004 χ^2/NDF: 4111804.3/32

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

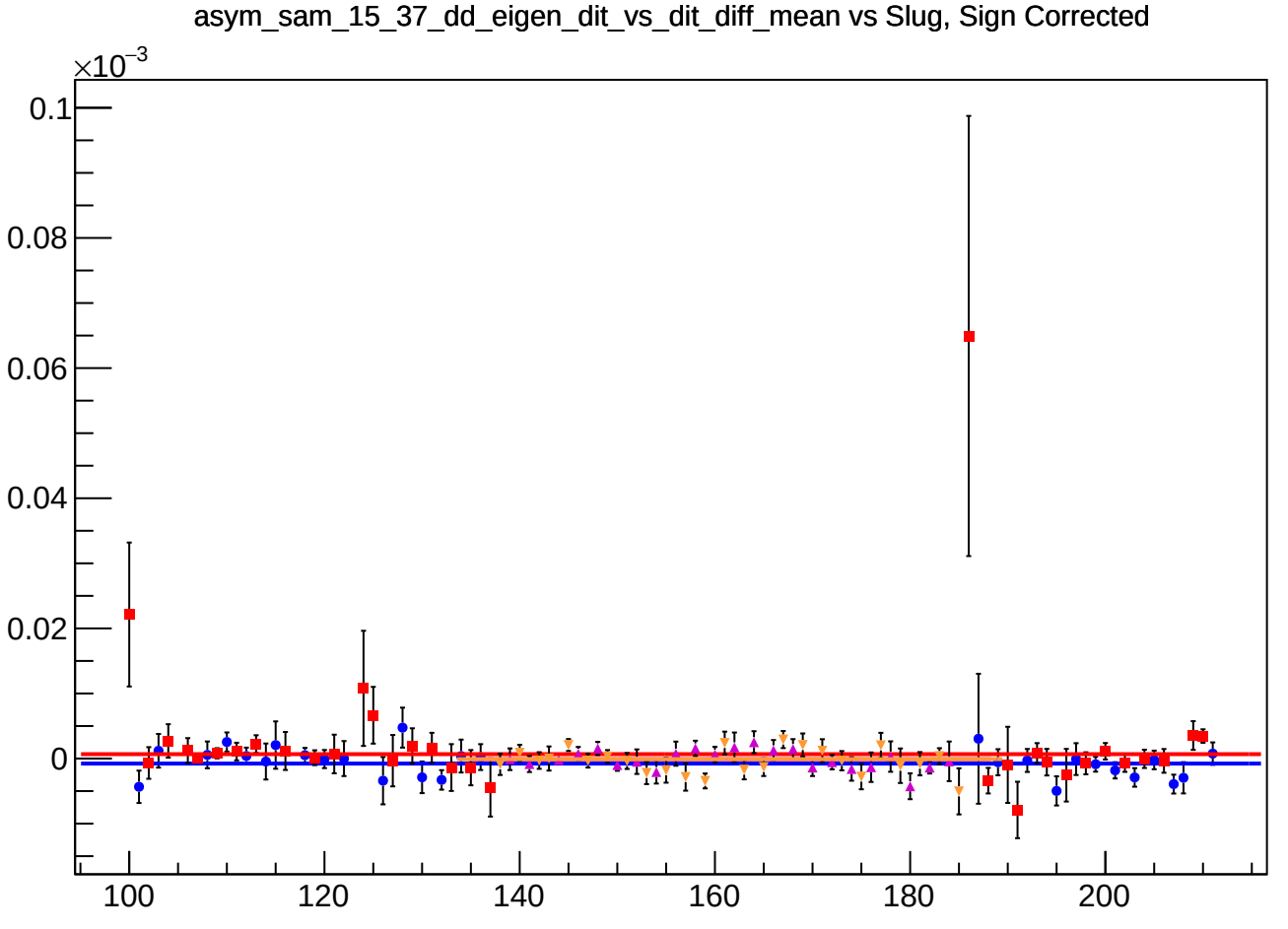
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.464+/-0.003 χ^2/NDF: 7010521.2/60

In: 17.506+/-0.002 χ^2/NDF:7511971.6/50

Out: 18.263+/-0.002 χ^2/NDF:9464114.7/57

All: 17.877+/-0.002 χ^2/NDF: 17028202.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/32

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

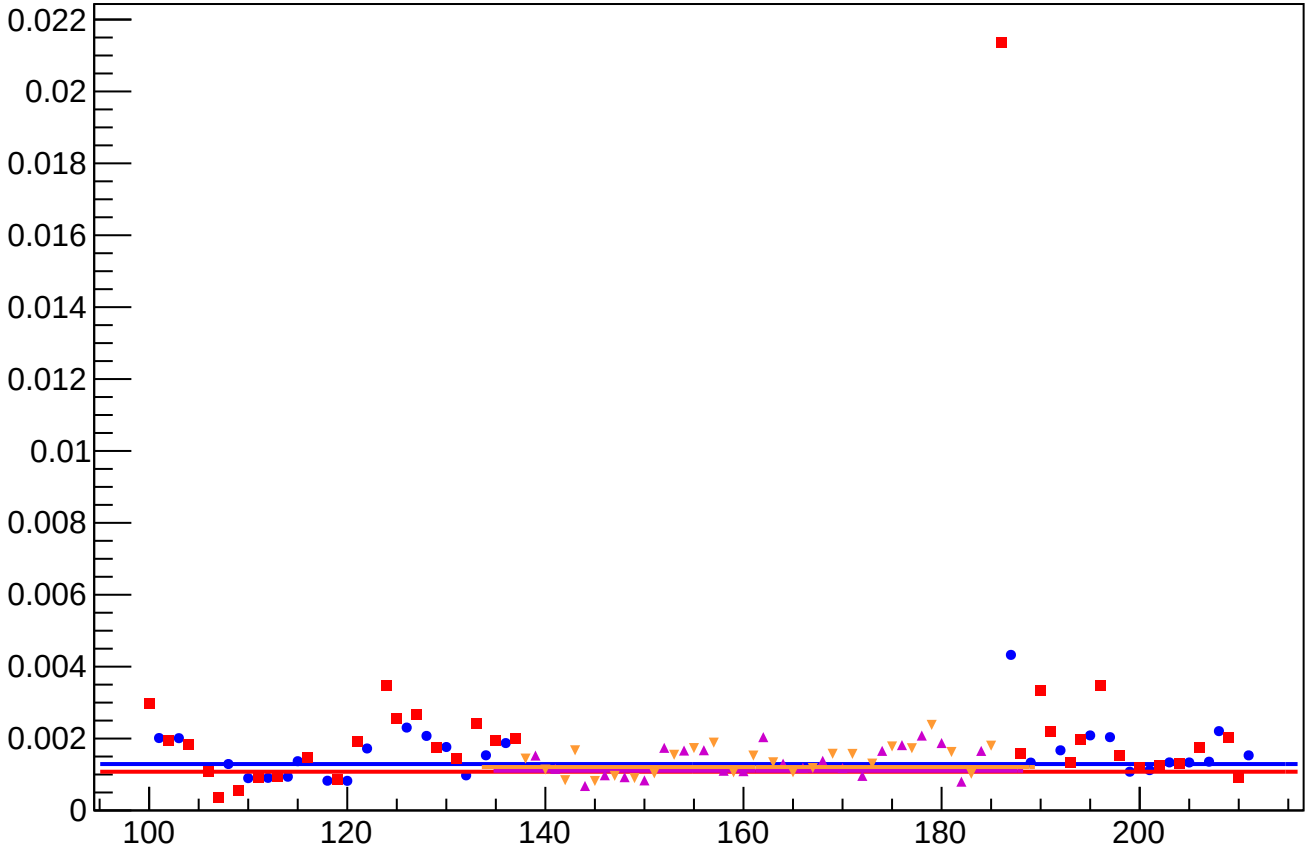
Right: 0.000+/-0.000 χ^2/NDF: 79.8/60

In: -0.000+/-0.000 χ^2/NDF:56.6/50

Out: 0.000+/-0.000 χ^2/NDF:76.7/57

All: -0.000+/-0.000 χ^2/NDF: 138.1/108

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3098941.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8370120.8/32

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

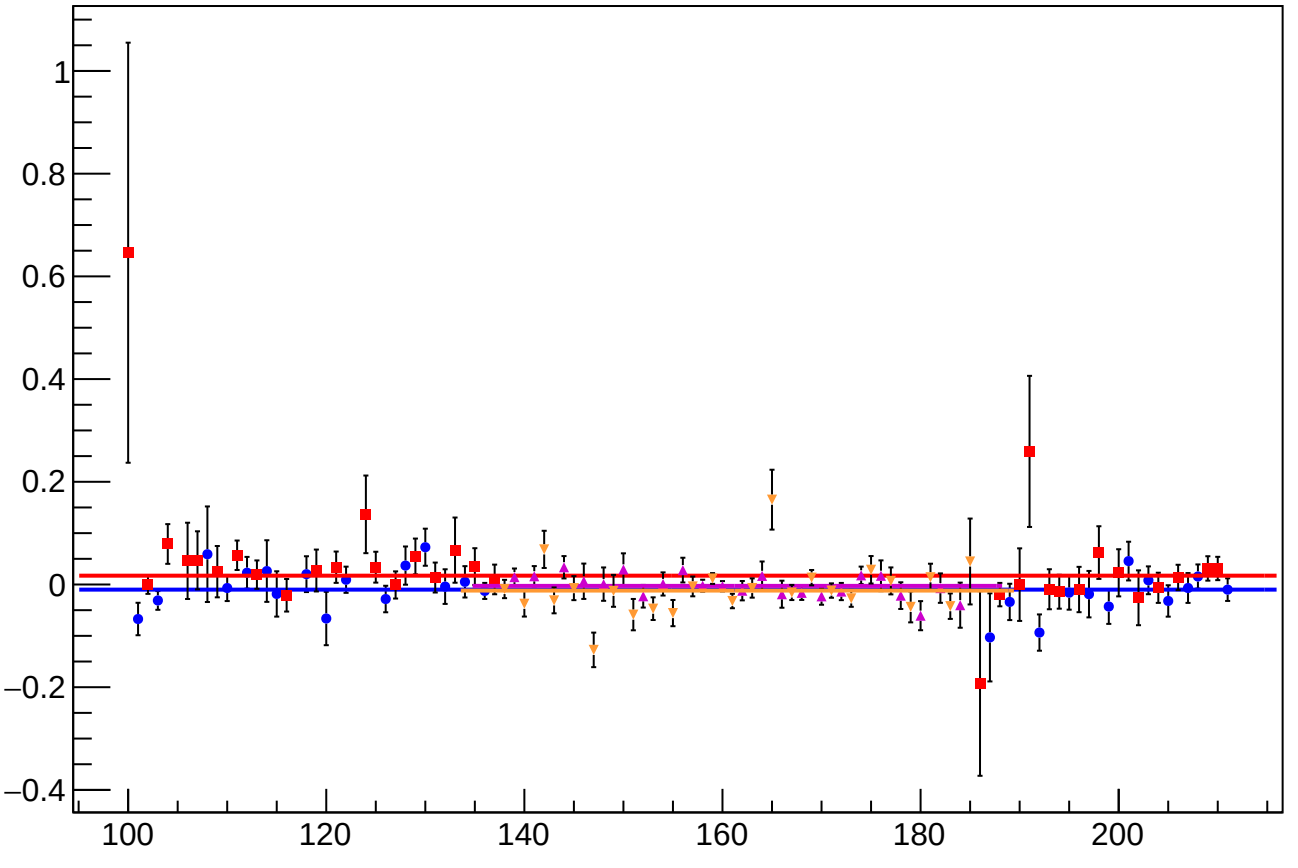
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 11921464.6/60

In: 0.001+/-0.000 χ^2/NDF:6963902.0/50

Out: 0.001+/-0.000 χ^2/NDF:11290593.3/57

All: 0.001+/-0.000 χ^2/NDF: 18280476.4/108



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

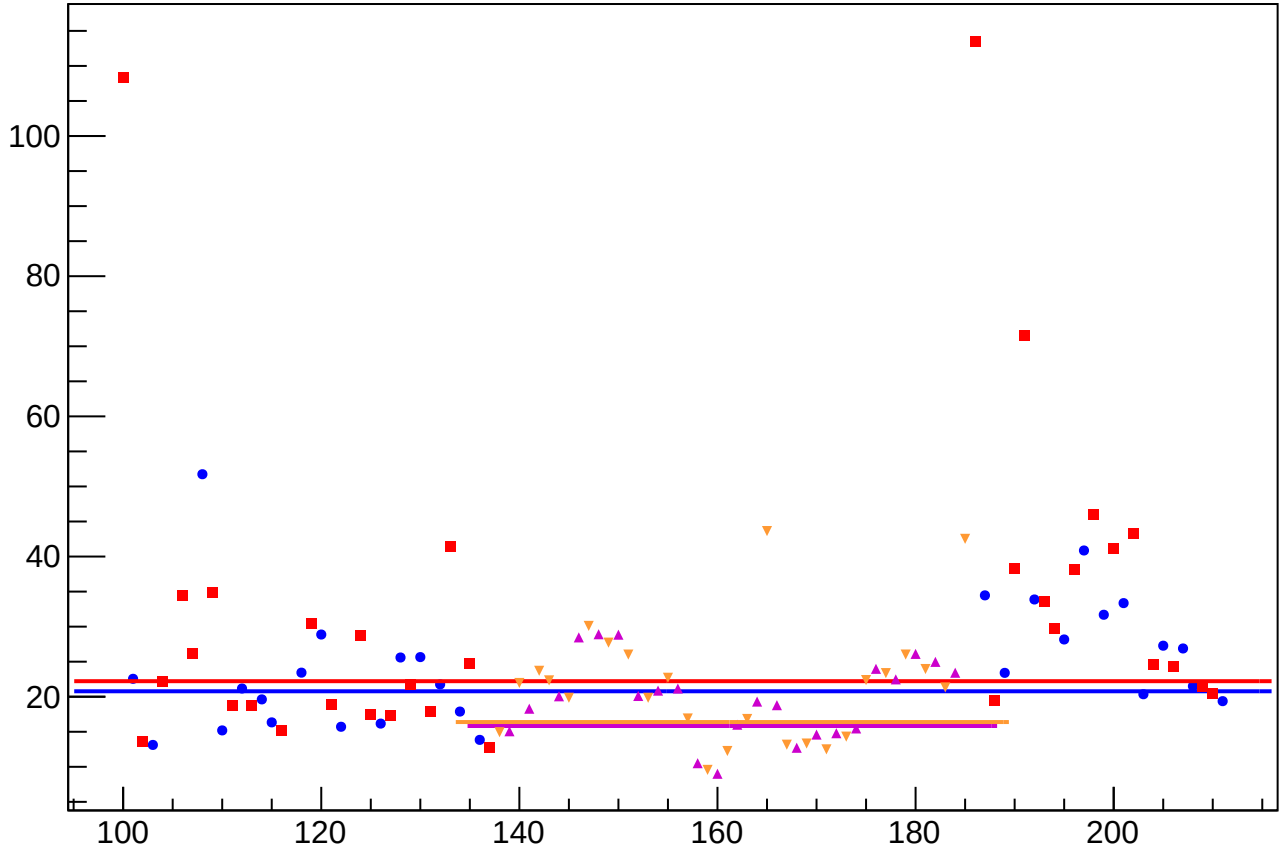
Right: 0.003+/-0.004 χ^2/NDF: 67.1/60

In: -0.005+/-0.003 χ^2/NDF:50.3/50

Out: -0.002+/-0.003 χ^2/NDF:96.4/57

All: -0.004+/-0.002 χ^2/NDF: 147.0/108

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.778+/-0.004 χ^2/NDF: 2836552.8/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.217+/-0.004 χ^2/NDF: 4111549.3/32

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

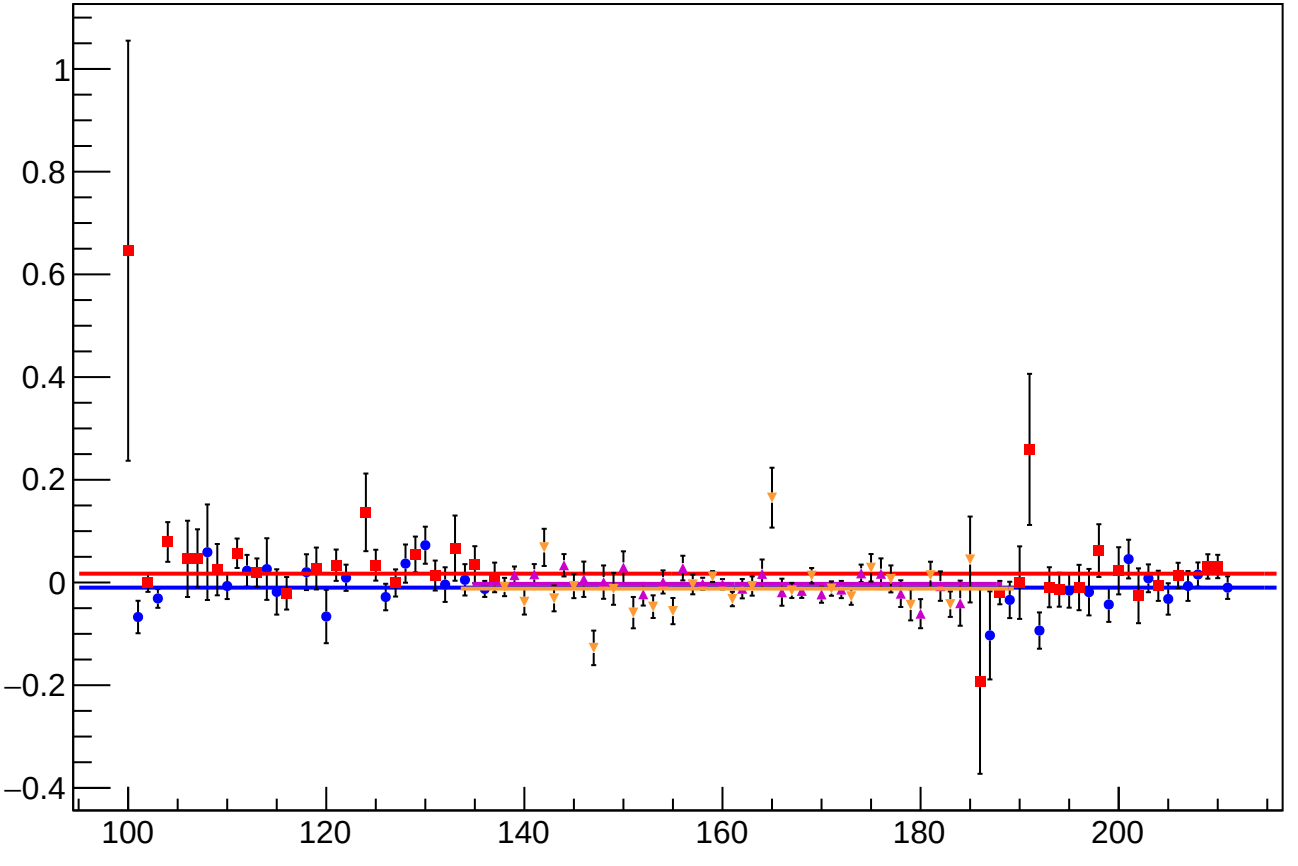
Right: 21.464+/-0.003 χ^2/NDF: 7010324.5/60

In: 17.505+/-0.002 χ^2/NDF:7512468.4/50

Out: 18.263+/-0.002 χ^2/NDF:9464363.0/57

All: 17.876+/-0.002 χ^2/NDF: 17028966.6/108

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: 29.4/27

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.006 χ^2/NDF: 26.6/32

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

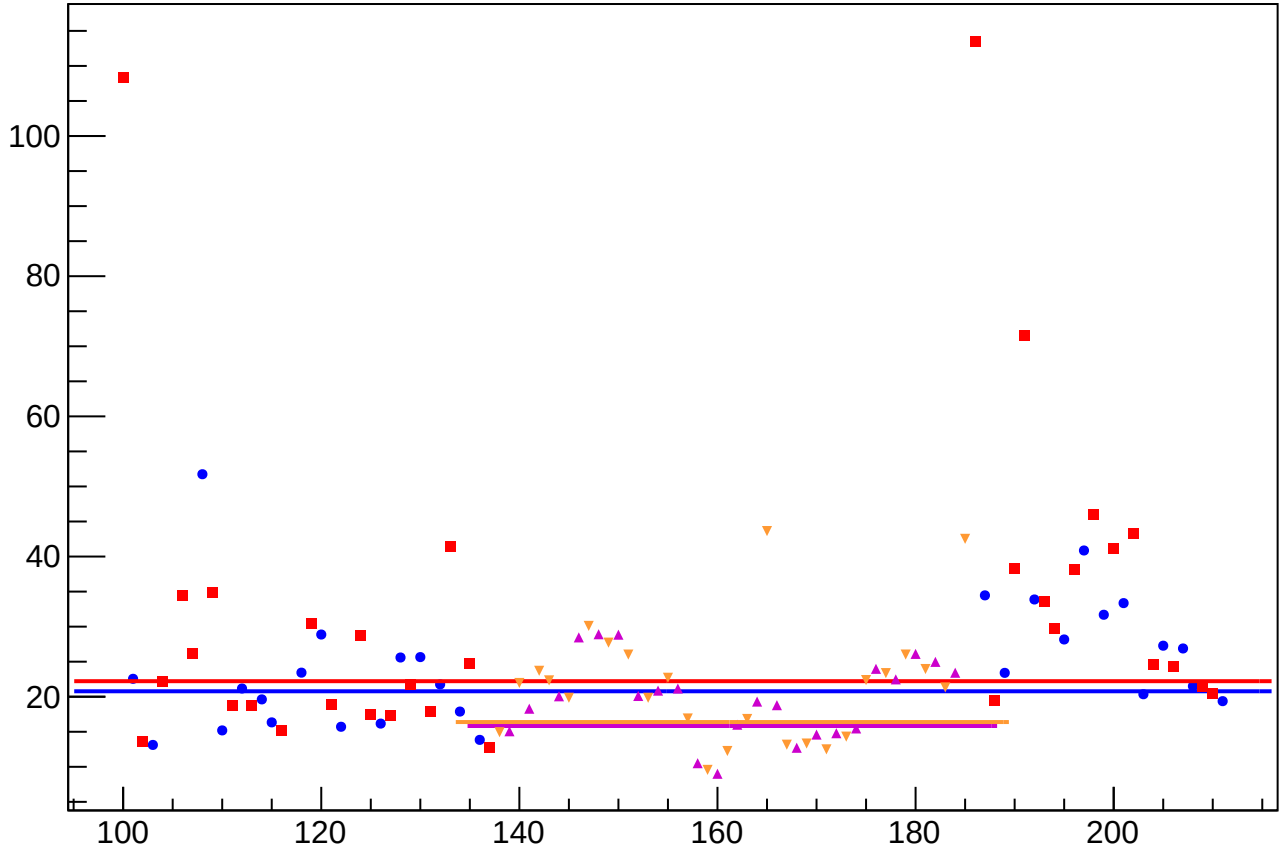
Right: 0.003+/-0.004 χ^2/NDF: 67.1/60

In: -0.005+/-0.003 χ^2/NDF:50.3/50

Out: -0.002+/-0.003 χ^2/NDF:96.4/57

All: -0.004+/-0.002 χ^2/NDF: 147.0/108

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.778+/-0.004 χ^2/NDF: 2836552.8/27

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.217+/-0.004 χ^2/NDF: 4111549.3/32

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

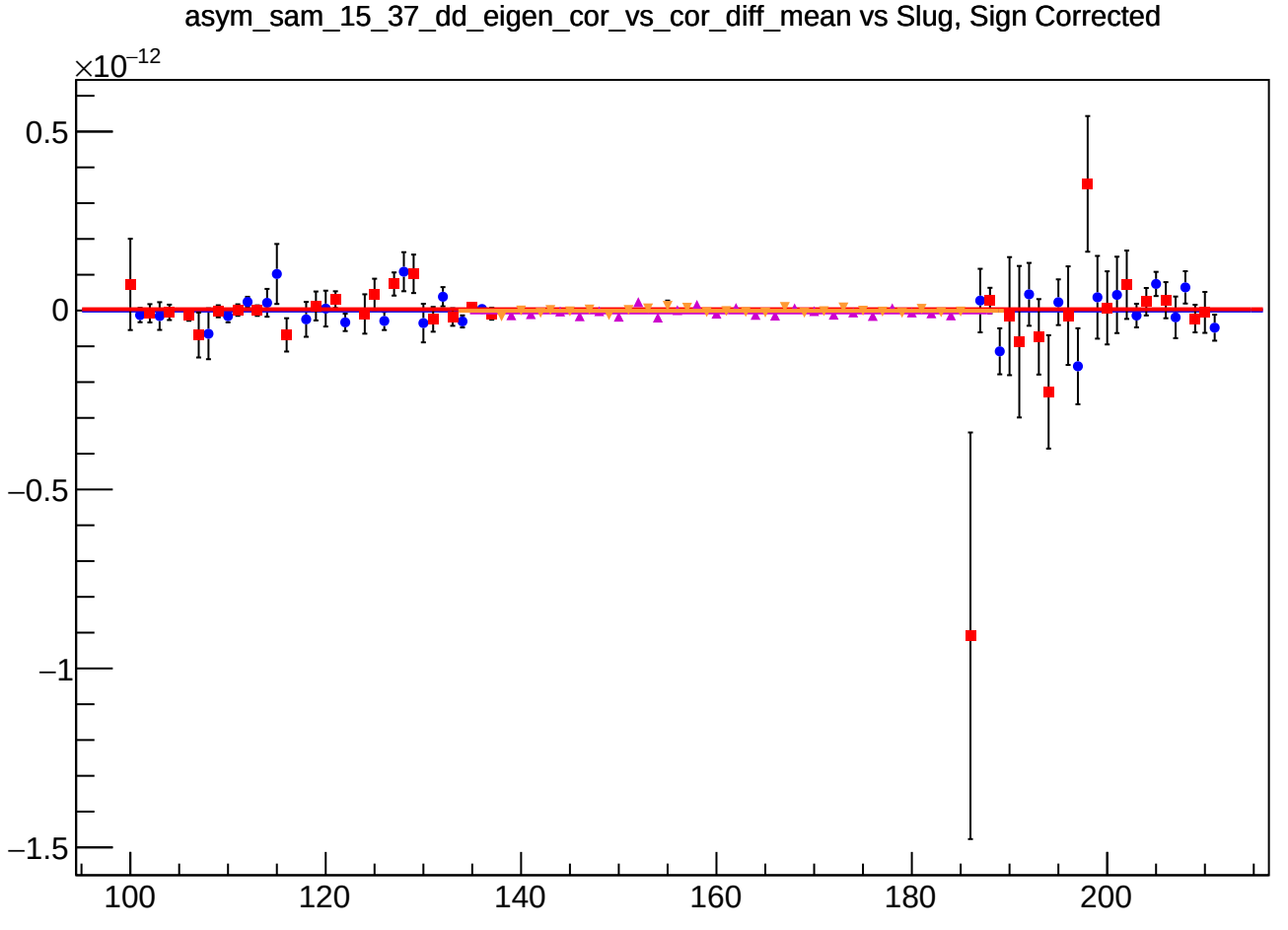
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.464+/-0.003 χ^2/NDF: 7010324.5/60

In: 17.505+/-0.002 χ^2/NDF:7512468.4/50

Out: 18.263+/-0.002 χ^2/NDF:9464363.0/57

All: 17.876+/-0.002 χ^2/NDF: 17028966.6/108



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/32

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

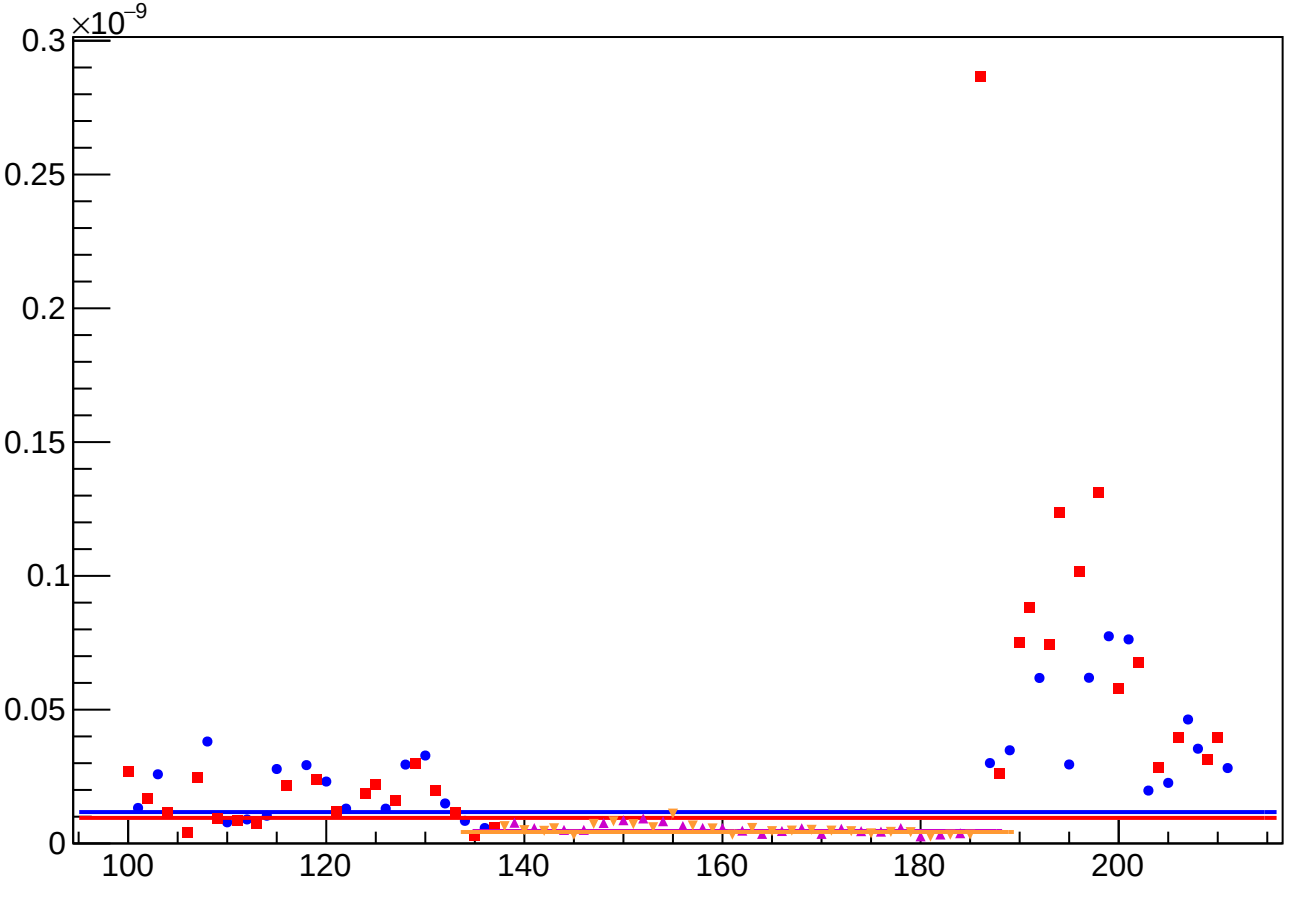
Right: 0.000+/-0.000 χ^2/NDF: 65.6/60

In: -0.000+/-0.000 χ^2/NDF:74.3/50

Out: -0.000+/-0.000 χ^2/NDF:50.1/57

All: -0.000+/-0.000 χ^2/NDF: 130.6/108

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7972003.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12031462.9/32

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

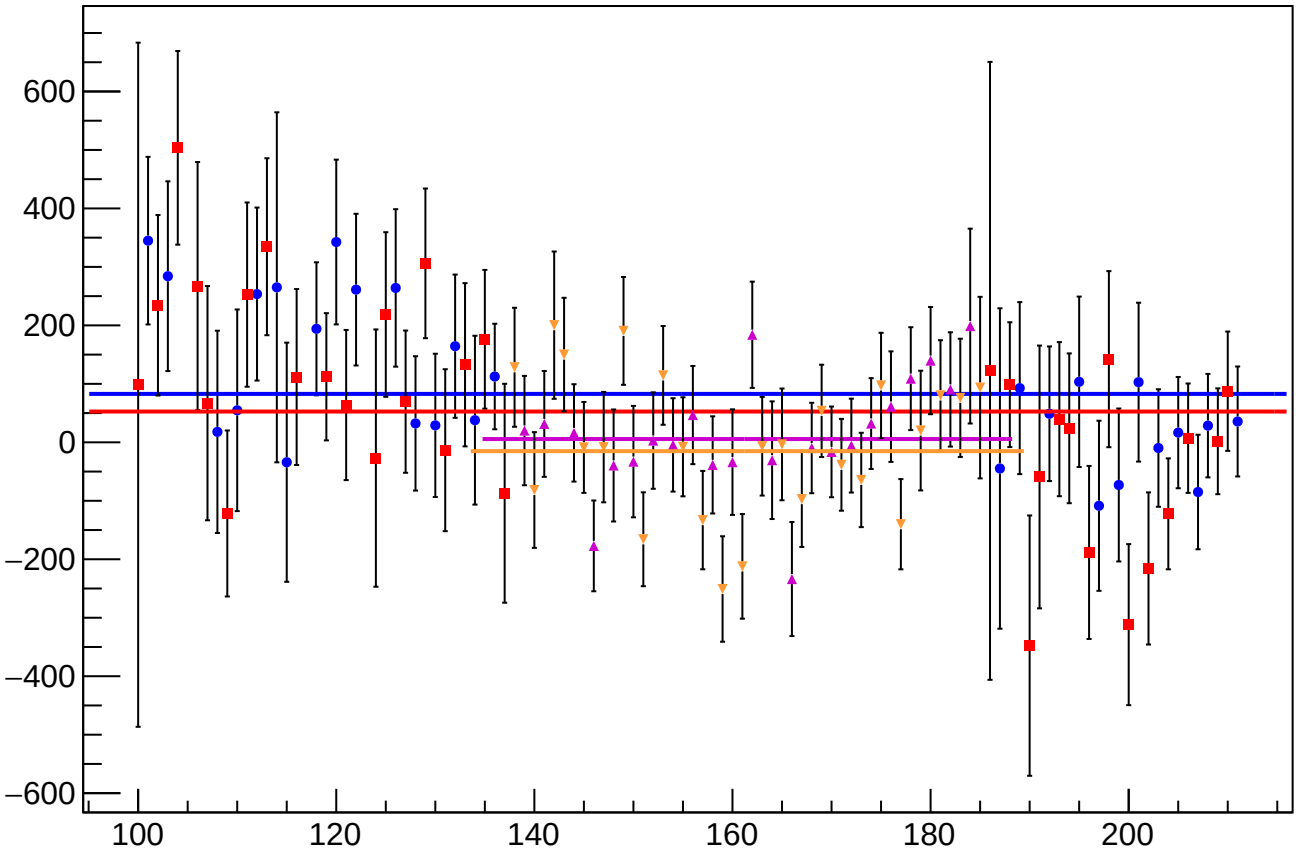
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 20228683.5/60

In: 0.000+/-0.000 χ^2/NDF:14476861.1/50

Out: 0.000+/-0.000 χ^2/NDF:17327756.6/57

All: 0.000+/-0.000 χ^2/NDF: 31957825.1/108



Right In: 82.808+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.636+/-23.909 χ^2/NDF: 46.6/32

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

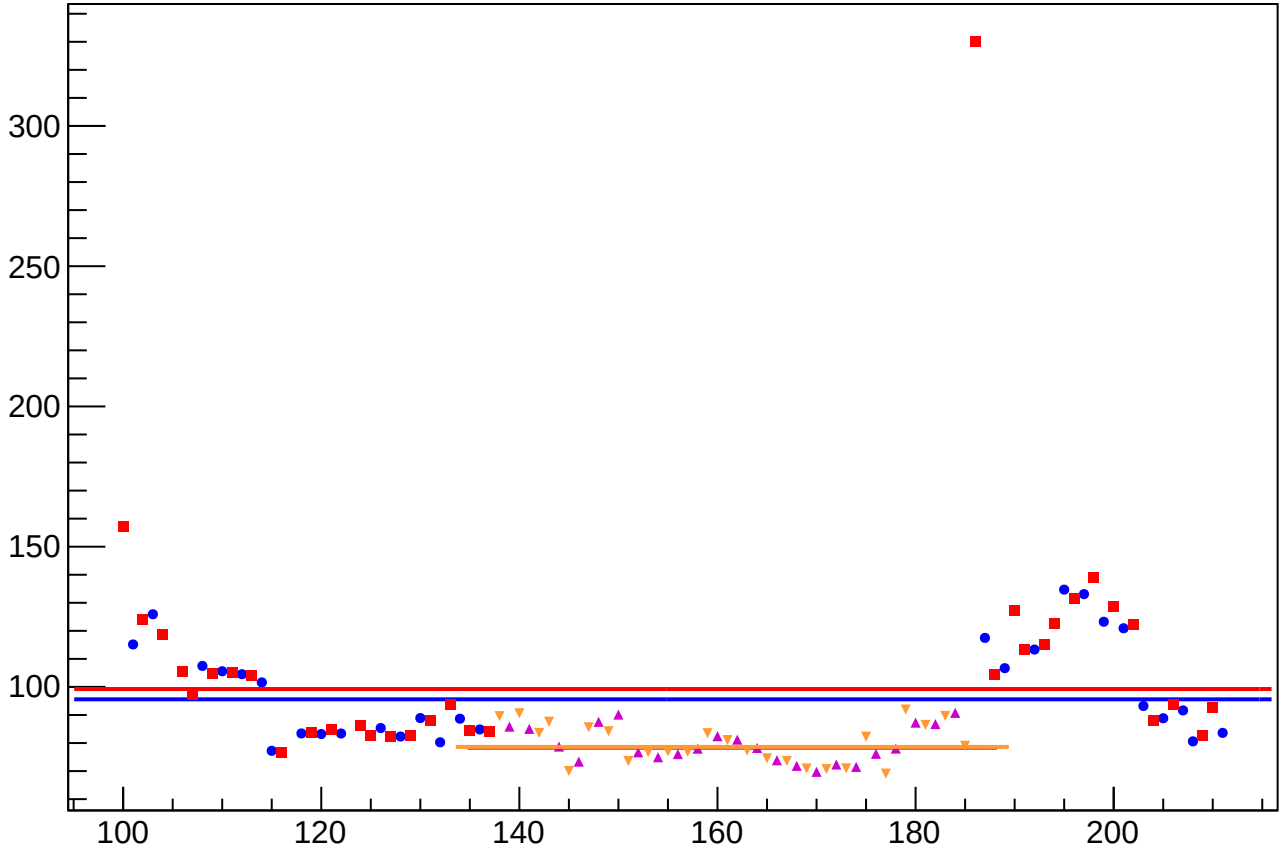
Right: 67.738+/-16.897 χ^2/NDF: 72.0/60

In: 34.339+/-14.567 χ^2/NDF:54.1/50

Out: 9.329+/-14.358 χ^2/NDF:93.4/57

All: 21.654+/-10.226 χ^2/NDF: 149.0/108

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 95.582+/-0.017 χ^2/NDF: 923898.3/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.260+/-0.017 χ^2/NDF: 1406768.6/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

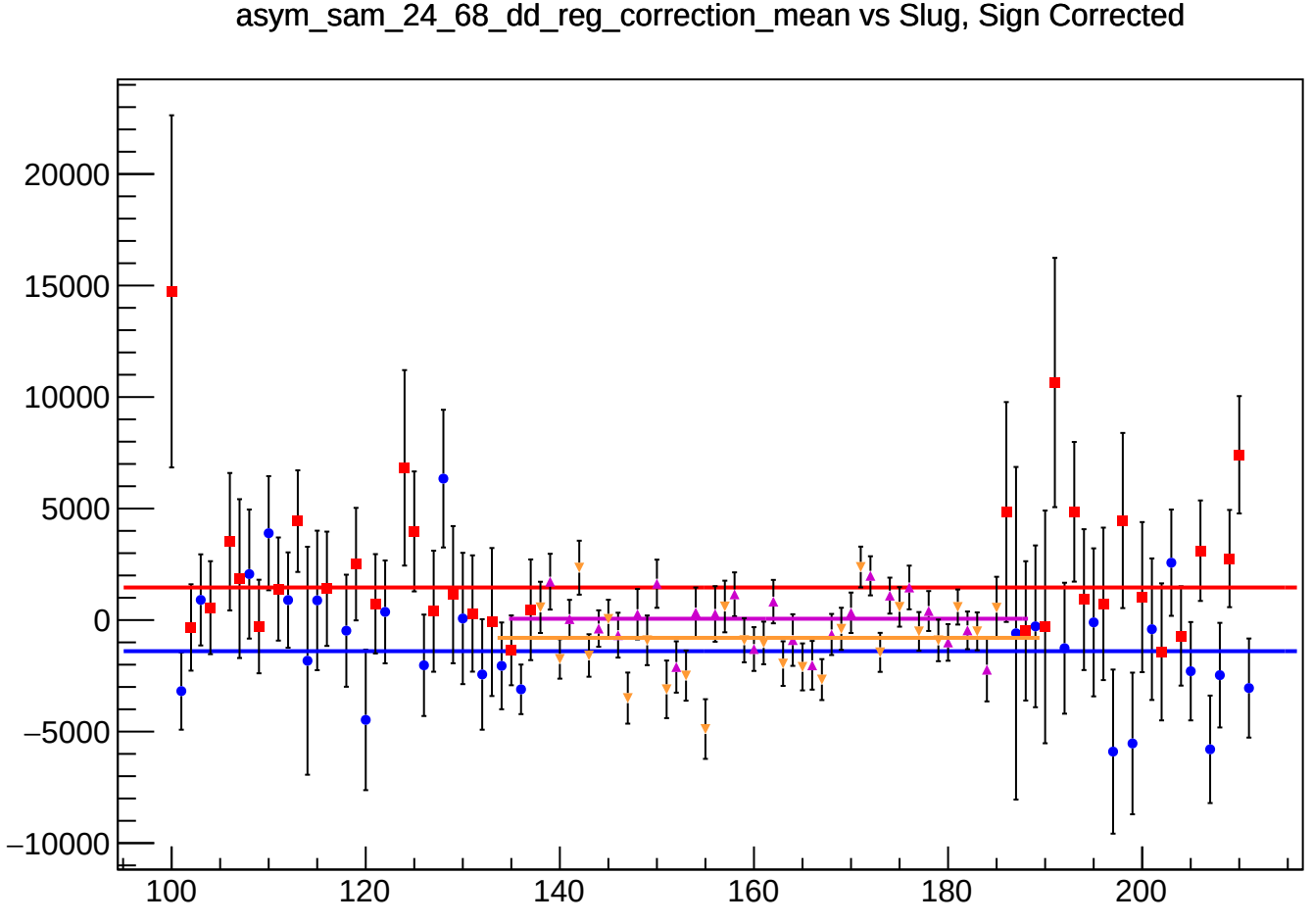
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.419+/-0.012 χ^2/NDF: 2354365.2/60

In: 84.750+/-0.010 χ^2/NDF:1788039.7/50

Out: 86.063+/-0.010 χ^2/NDF:2667146.2/57

All: 85.416+/-0.007 χ^2/NDF: 4463422.1/108



Right In: -1394.563+/-455.721 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1461.547+/-466.116 χ^2/NDF: 26.8/32

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

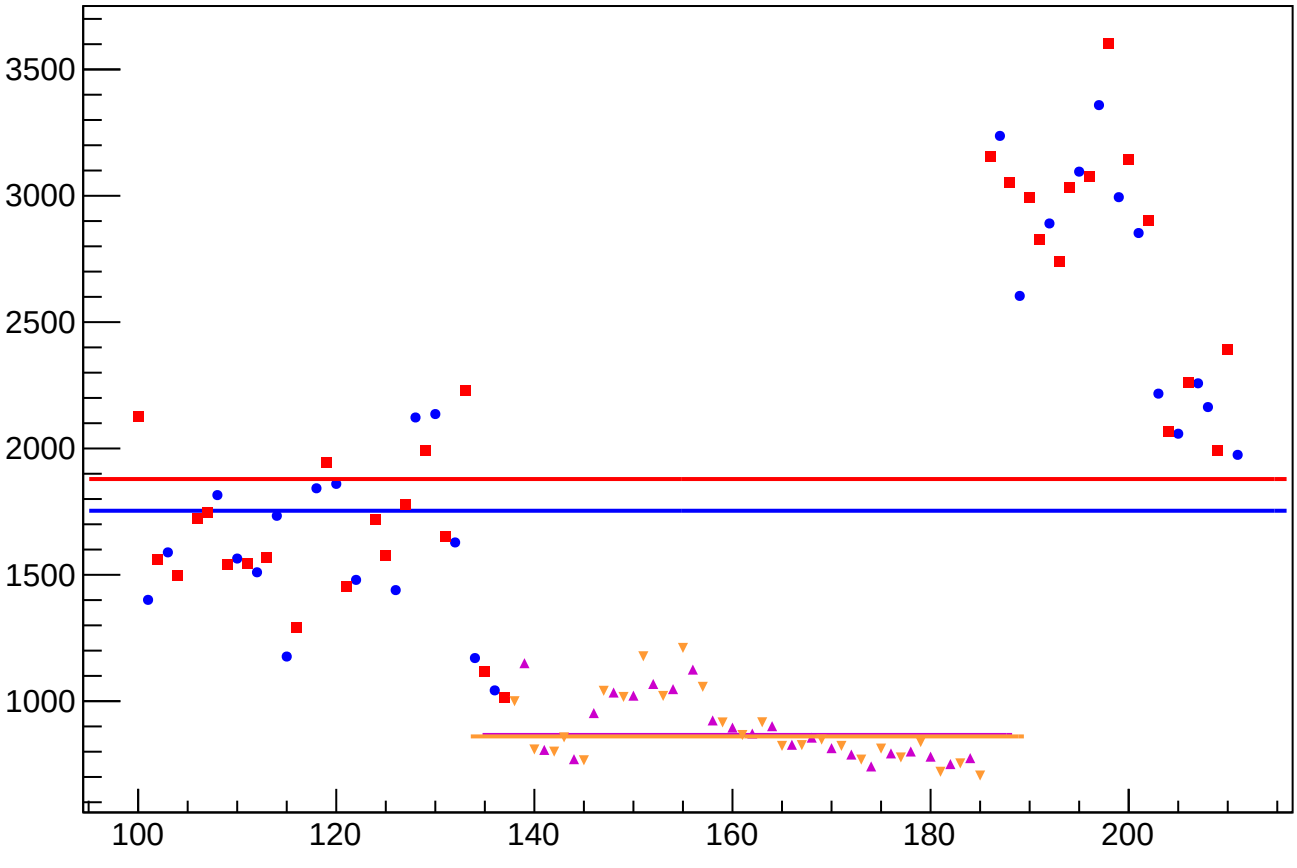
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 1.289+/-325.857 χ^2/NDF: 77.2/60

In: -184.102+/-186.528 χ^2/NDF:70.2/50

Out: -452.100+/-182.149 χ^2/NDF:106.1/57

All: -321.284+/-130.319 χ^2/NDF: 177.4/108



Right In: 1753.559+/-0.322 χ^2/NDF: 3363682.4/27

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1879.055+/-0.330 χ^2/NDF: 3552984.2/32

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

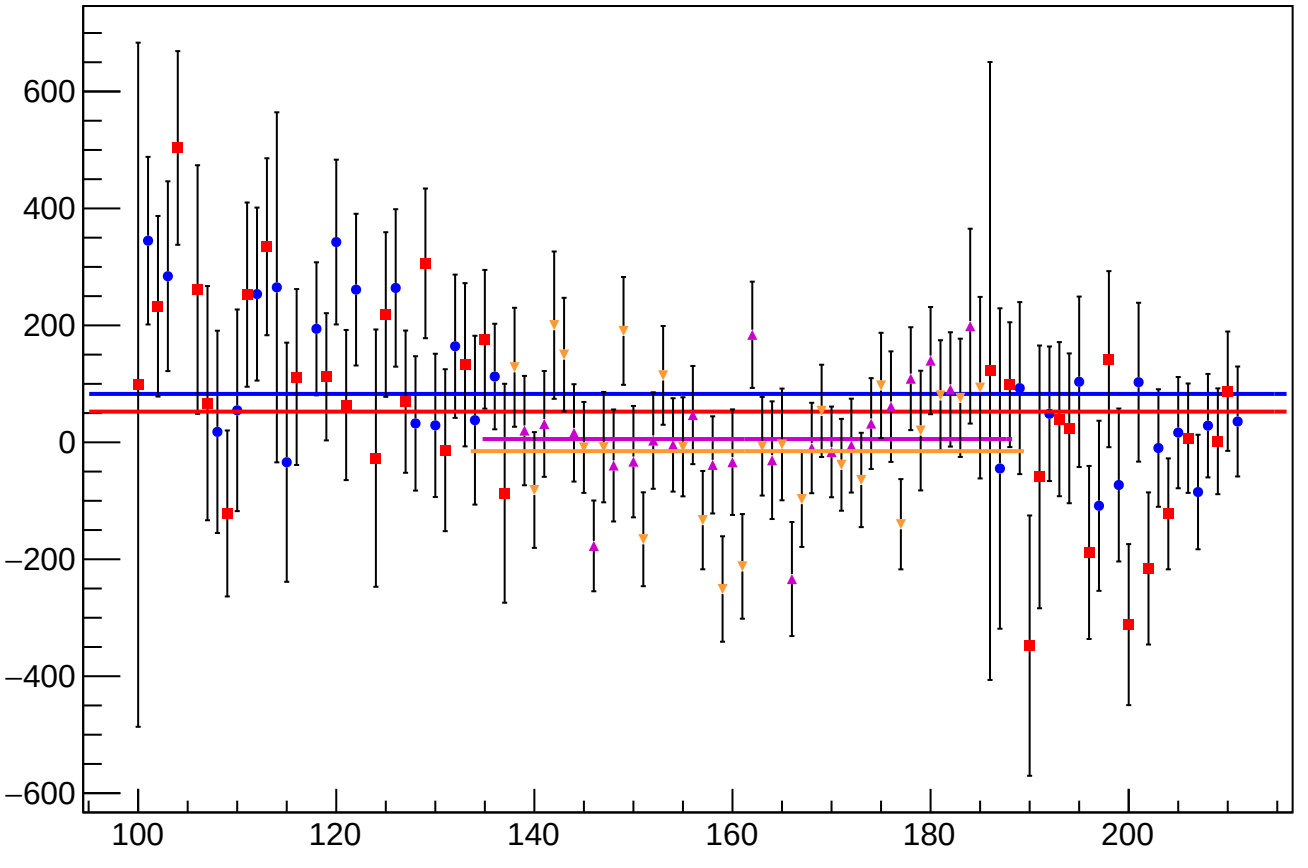
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1814.892+/-0.230 χ^2/NDF: 6990790.0/60

In: 1014.984+/-0.132 χ^2/NDF:10287252.5/50

Out: 1016.036+/-0.129 χ^2/NDF:12344111.9/57

All: 1015.522+/-0.092 χ^2/NDF: 22631397.0/1



Right In: 82.801+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.508+/-23.910 χ^2/NDF: 46.5/32

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

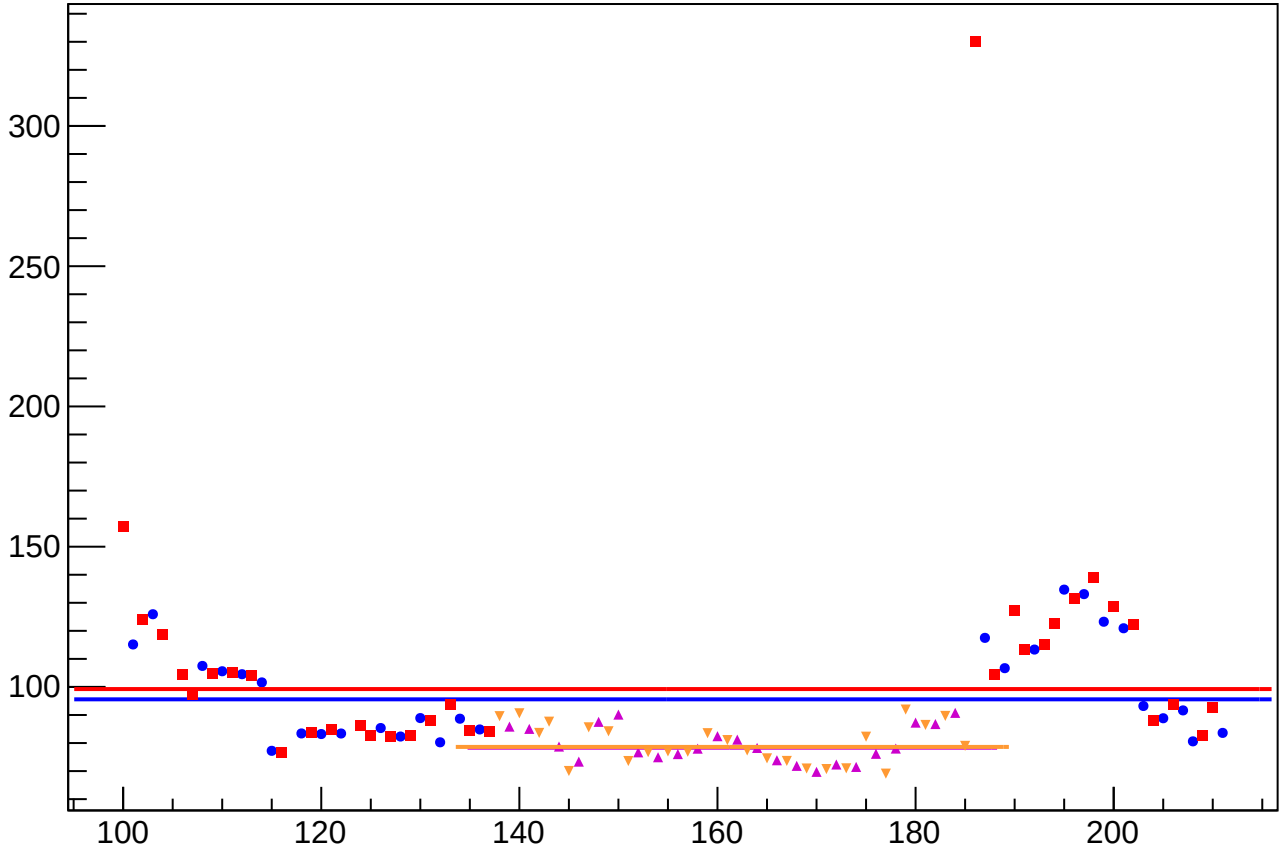
Right: 67.671+/-16.897 χ^2/NDF: 71.9/60

In: 34.335+/-14.567 χ^2/NDF:54.1/50

Out: 9.283+/-14.358 χ^2/NDF:93.3/57

All: 21.628+/-10.226 χ^2/NDF: 148.9/108

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 95.582+/-0.017 χ^2/NDF: 923899.9/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.245+/-0.017 χ^2/NDF: 1406298.7/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

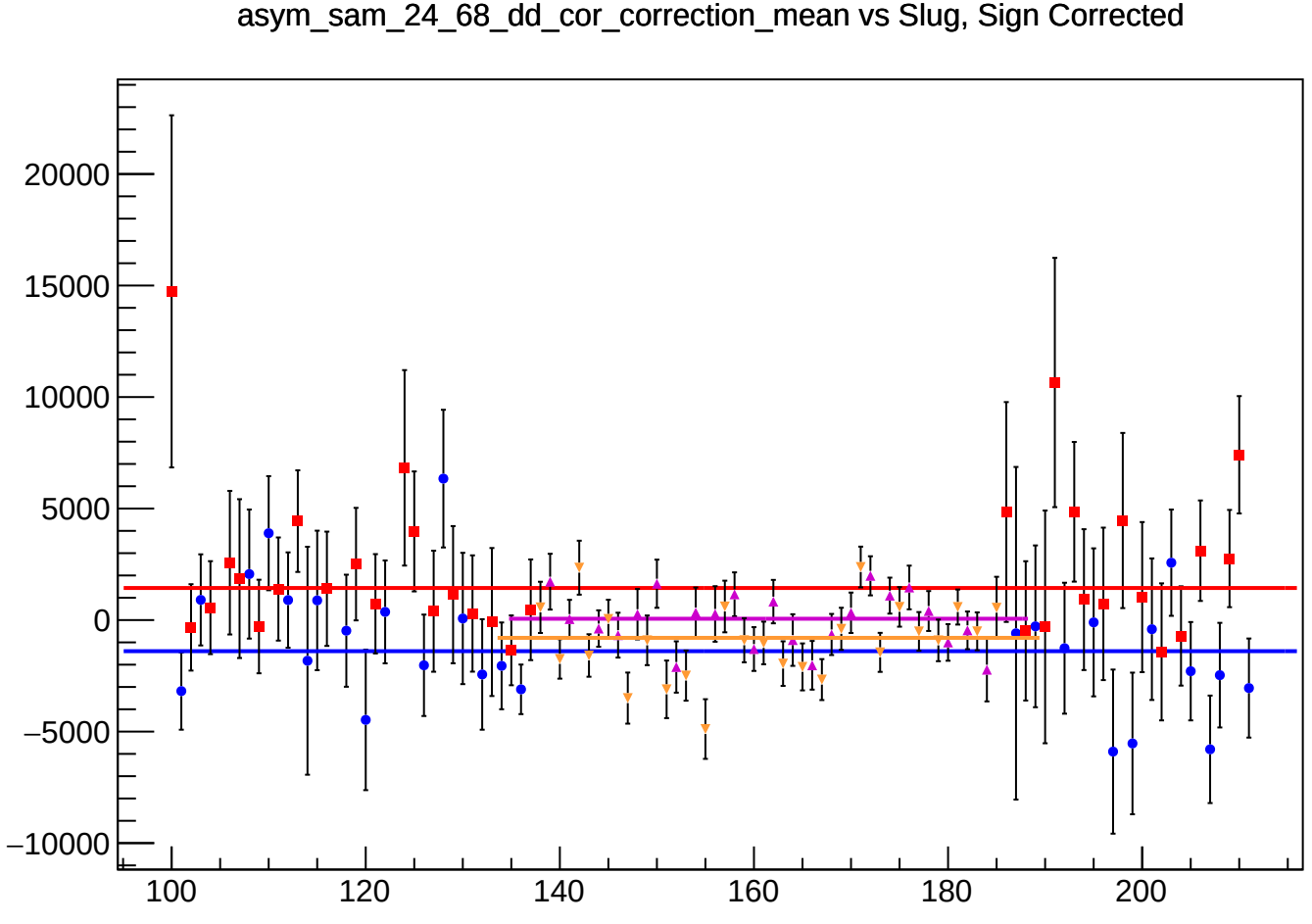
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.411+/-0.012 χ^2/NDF: 2353694.3/60

In: 84.750+/-0.010 χ^2/NDF:1788041.6/50

Out: 86.057+/-0.010 χ^2/NDF:2665188.4/57

All: 85.413+/-0.007 χ^2/NDF: 4461391.4/108



Right In: -1394.550+/-455.722 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1438.133+/-466.577 χ^2/NDF: 26.4/32

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

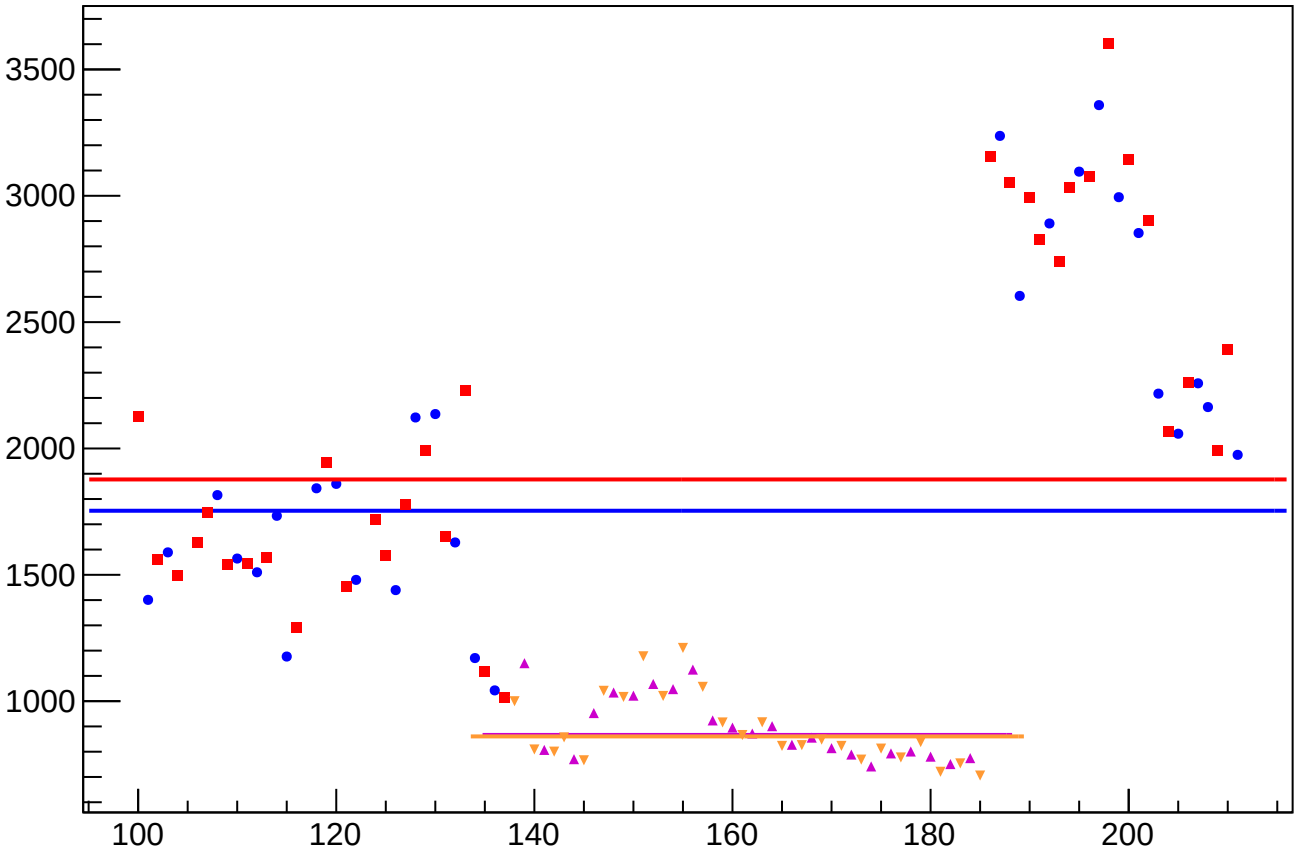
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -11.542+/-326.014 χ^2/NDF: 76.6/60

In: -184.099+/-186.528 χ^2/NDF:70.2/50

Out: -456.246+/-182.176 χ^2/NDF:105.4/57

All: -323.384+/-130.329 χ^2/NDF: 176.7/108



Right In: 1753.562+/-0.322 χ^2/NDF: 3363672.6/27

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1877.435+/-0.330 χ^2/NDF: 3559648.7/32

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

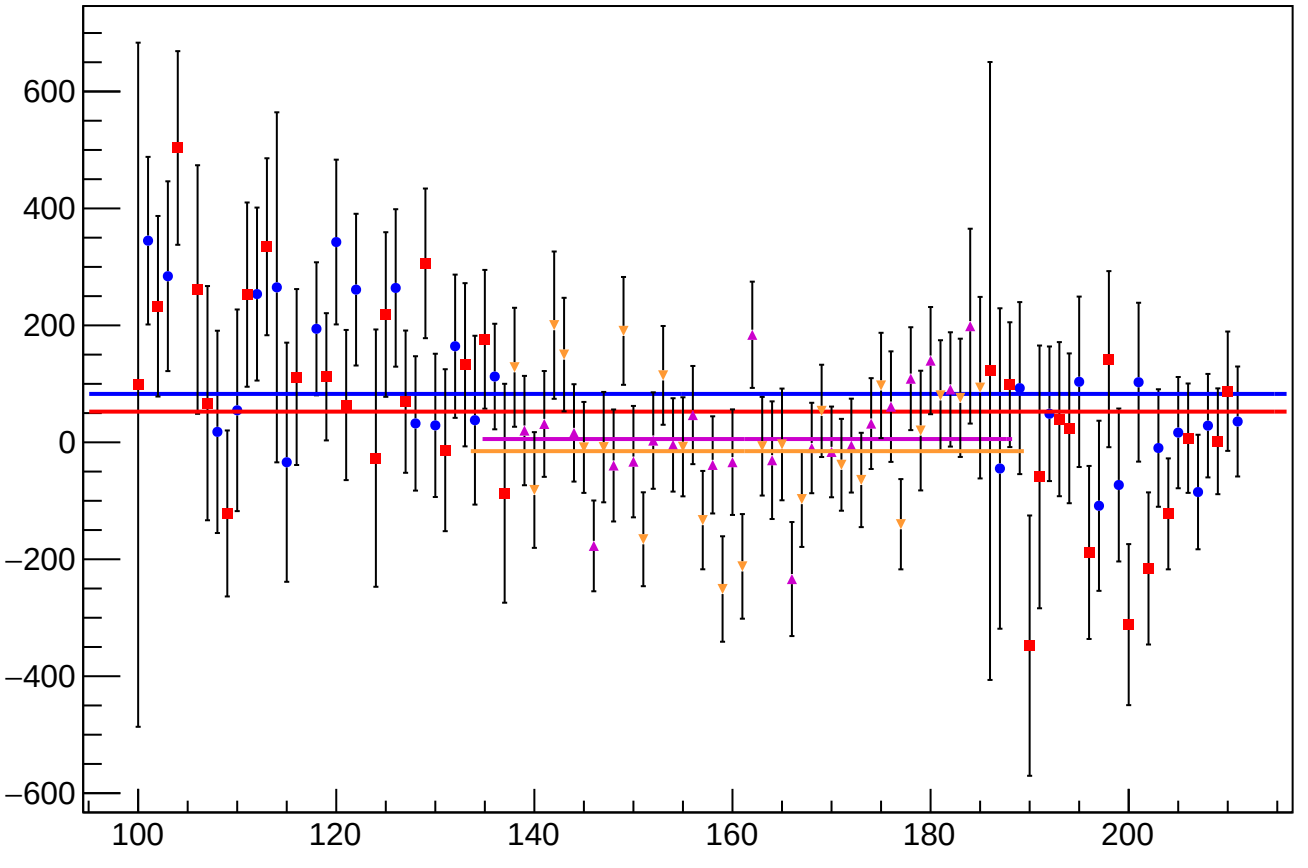
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1814.041+/-0.231 χ^2/NDF: 6995466.4/60

In: 1014.984+/-0.132 χ^2/NDF:10287267.2/50

Out: 1015.529+/-0.129 χ^2/NDF:12311573.5/57

All: 1015.263+/-0.092 χ^2/NDF: 22598849.4/



Right In: 82.801+/-23.883 χ^2/NDF: 24.6/27

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.508+/-23.910 χ^2/NDF: 46.5/32

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

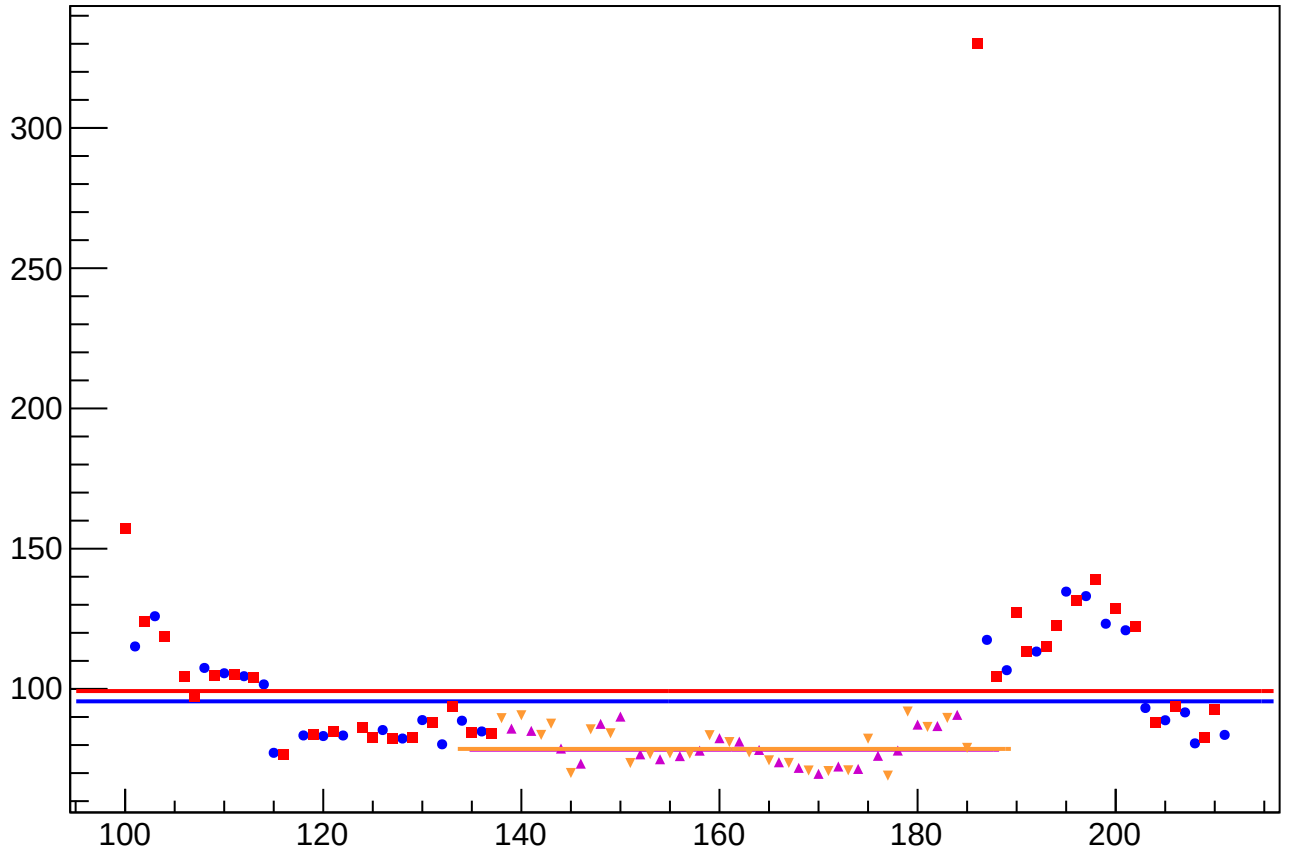
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 67.671+/-16.897 χ^2/NDF: 71.9/60

In: 34.335+/-14.567 χ^2/NDF:54.1/50

Out: 9.283+/-14.358 χ^2/NDF:93.3/57

All: 21.628+/-10.226 χ^2/NDF: 148.9/108



Right In: 95.582+/-0.017 χ^2/NDF: 923899.9/27

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.245+/-0.017 χ^2/NDF: 1406298.7/32

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

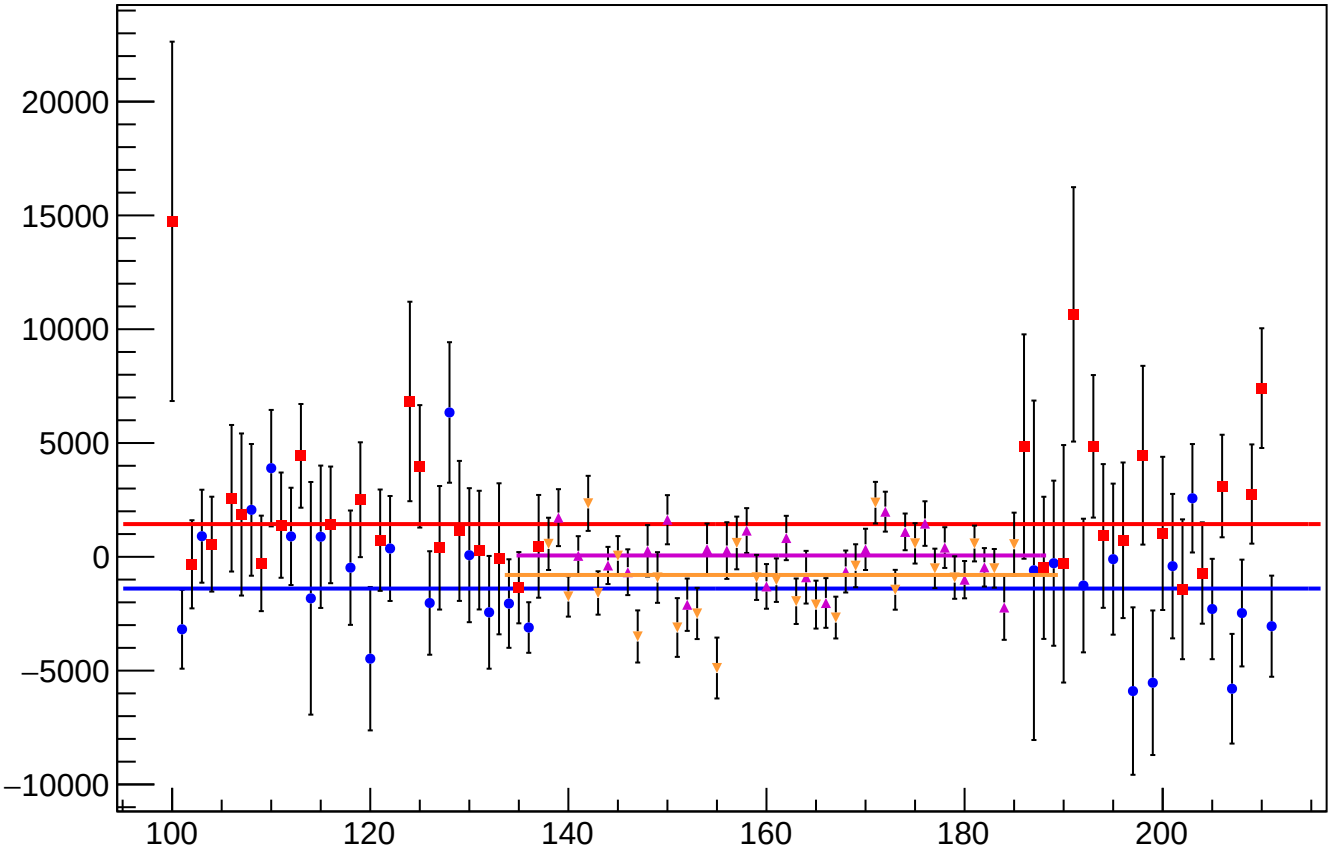
Right: 97.411+/-0.012 χ^2/NDF: 2353694.3/60

In: 84.750+/-0.010 χ^2/NDF:1788041.6/50

Out: 86.057+/-0.010 χ^2/NDF:2665188.4/57

All: 85.413+/-0.007 χ^2/NDF: 4461391.4/108

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1394.550+/-455.722 χ^2/NDF: 31.3/27

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1438.133+/-466.577 χ^2/NDF: 26.4/32

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

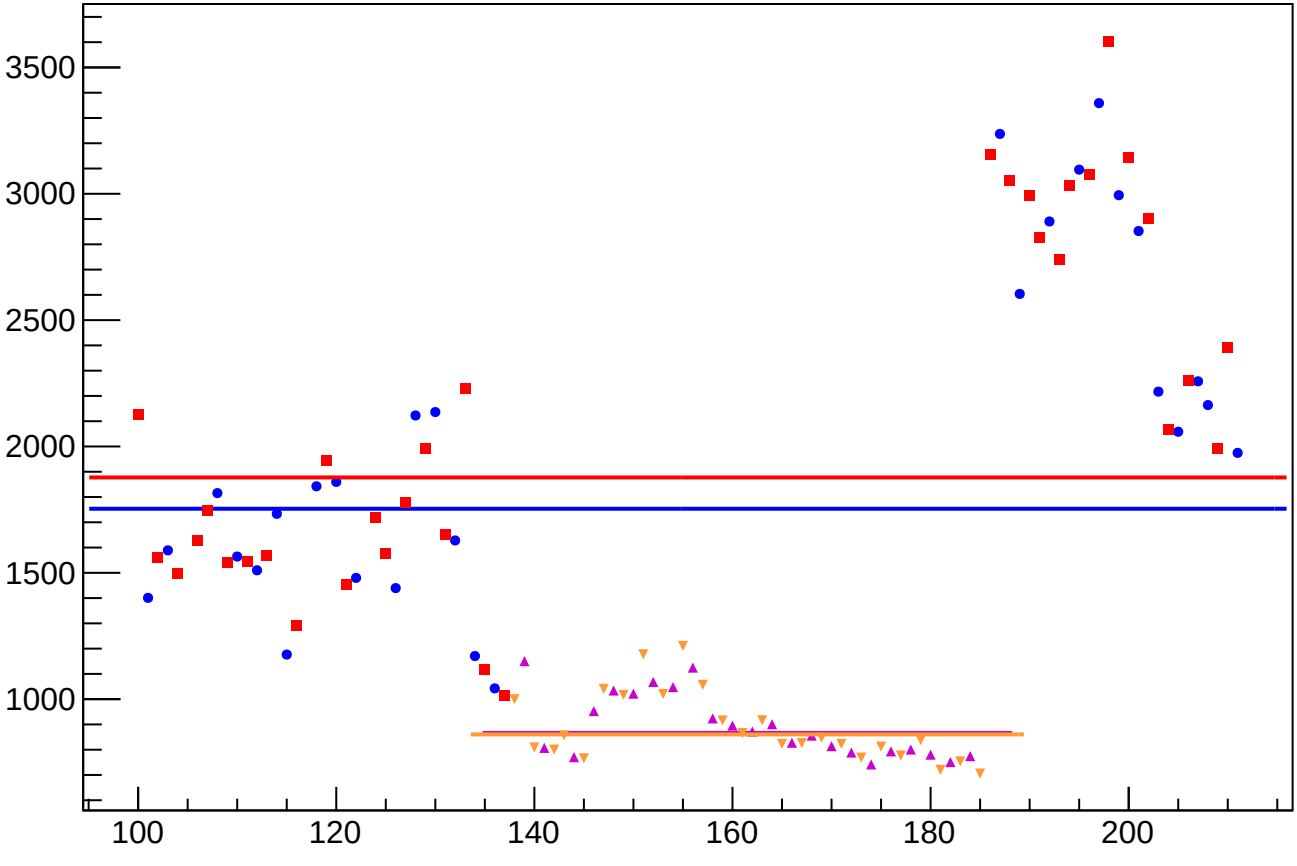
Right: -11.542+/-326.014 χ^2/NDF: 76.6/60

In: -184.099+/-186.528 χ^2/NDF:70.2/50

Out: -456.246+/-182.176 χ^2/NDF:105.4/57

All: -323.384+/-130.329 χ^2/NDF: 176.7/108

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1753.562+/-0.322 χ^2/NDF: 3363672.6/27

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1877.435+/-0.330 χ^2/NDF: 3559648.7/32

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

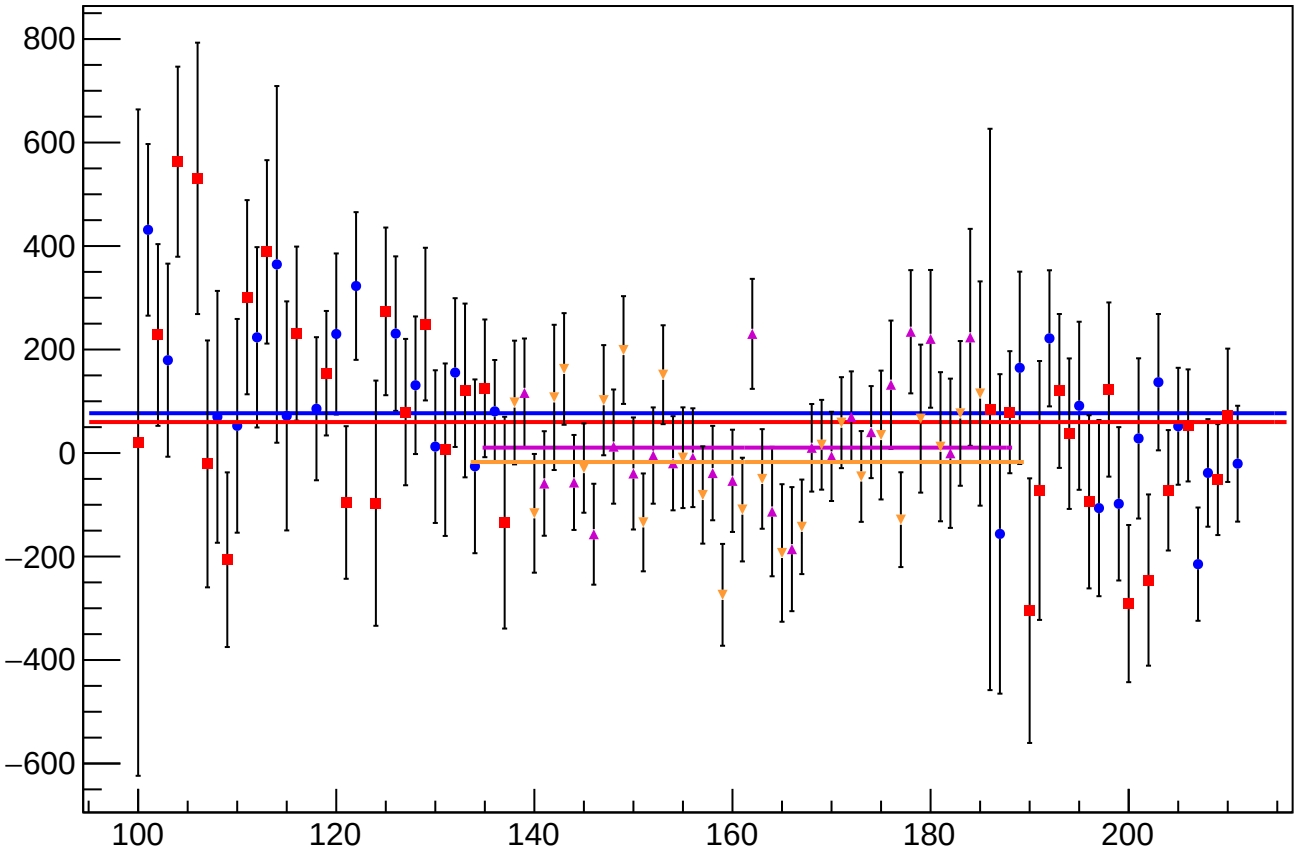
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1814.041+/-0.231 χ^2/NDF: 6995466.4/60

In: 1014.984+/-0.132 χ^2/NDF:10287267.2/50

Out: 1015.529+/-0.129 χ^2/NDF:12311573.5/57

All: 1015.263+/-0.092 χ^2/NDF: 22598849.4/



Right In: 76.919+/-27.828 χ^2/NDF: 26.3/27

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 59.844+/-27.709 χ^2/NDF: 42.0/32

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

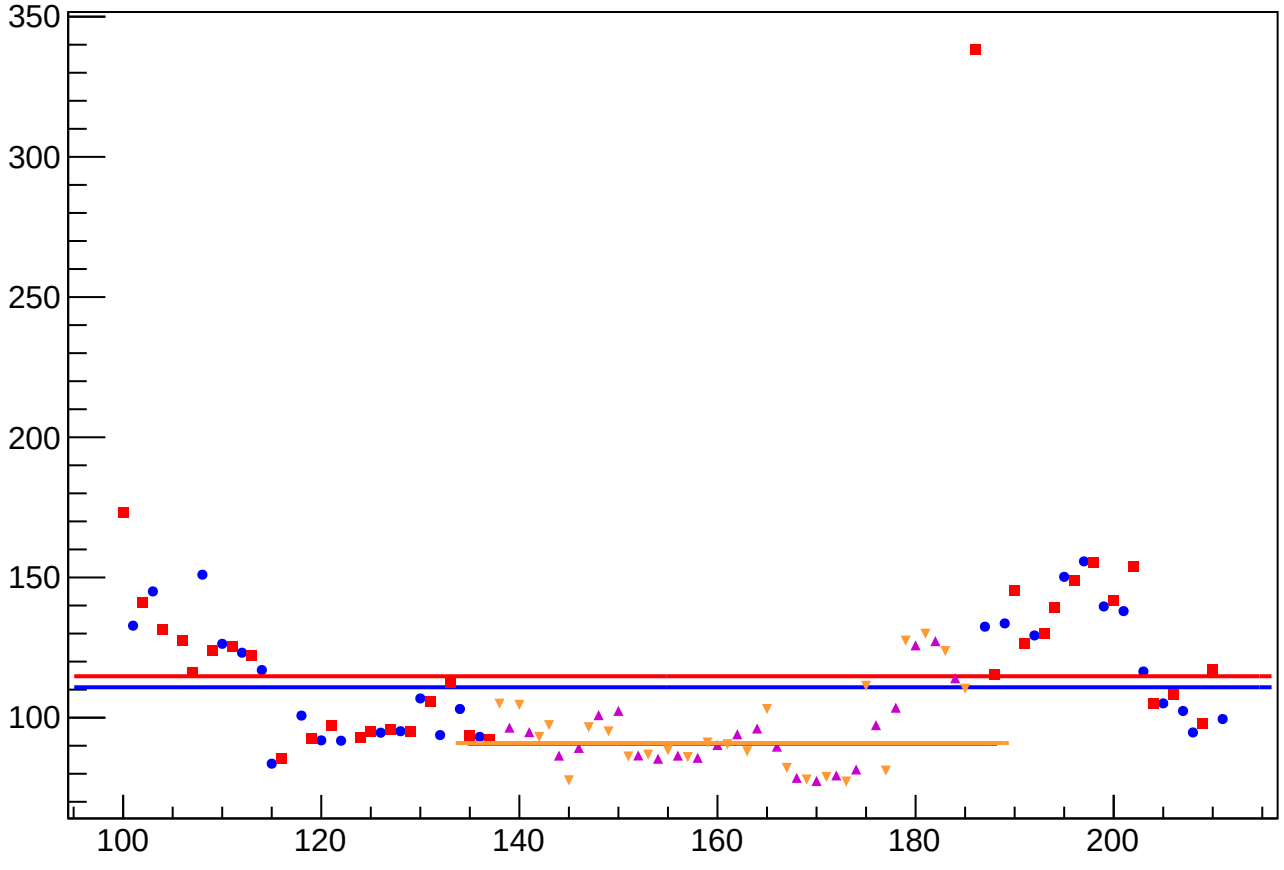
Right: 68.345+/-19.635 χ^2/NDF: 68.5/60

In: 35.277+/-17.015 χ^2/NDF:52.5/50

Out: 10.786+/-16.730 χ^2/NDF:78.1/57

All: 22.825+/-11.929 χ^2/NDF: 131.7/108

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 110.846+/-0.020 χ^2/NDF: 996051.6/27

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.772+/-0.020 χ^2/NDF: 1349752.9/32

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

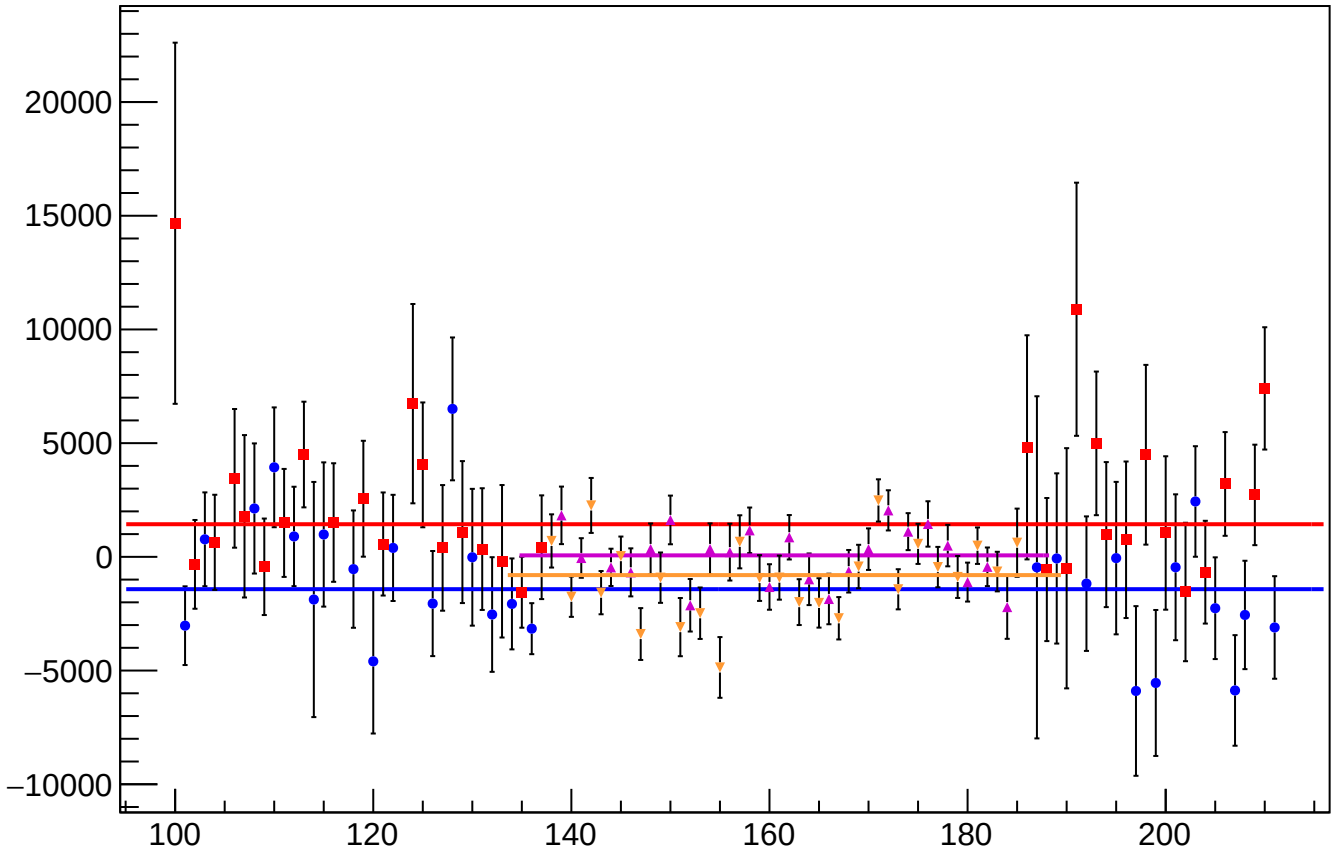
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 112.818+/-0.014 χ^2/NDF: 2365791.6/60

In: 98.226+/-0.012 χ^2/NDF:2199016.2/50

Out: 99.645+/-0.012 χ^2/NDF:3072327.4/57

All: 98.947+/-0.008 χ^2/NDF: 5278414.4/108



Right In: -1421.438+/-461.992 χ^2/NDF: 30.8/27

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1434.879+/-470.992 χ^2/NDF: 27.4/32

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

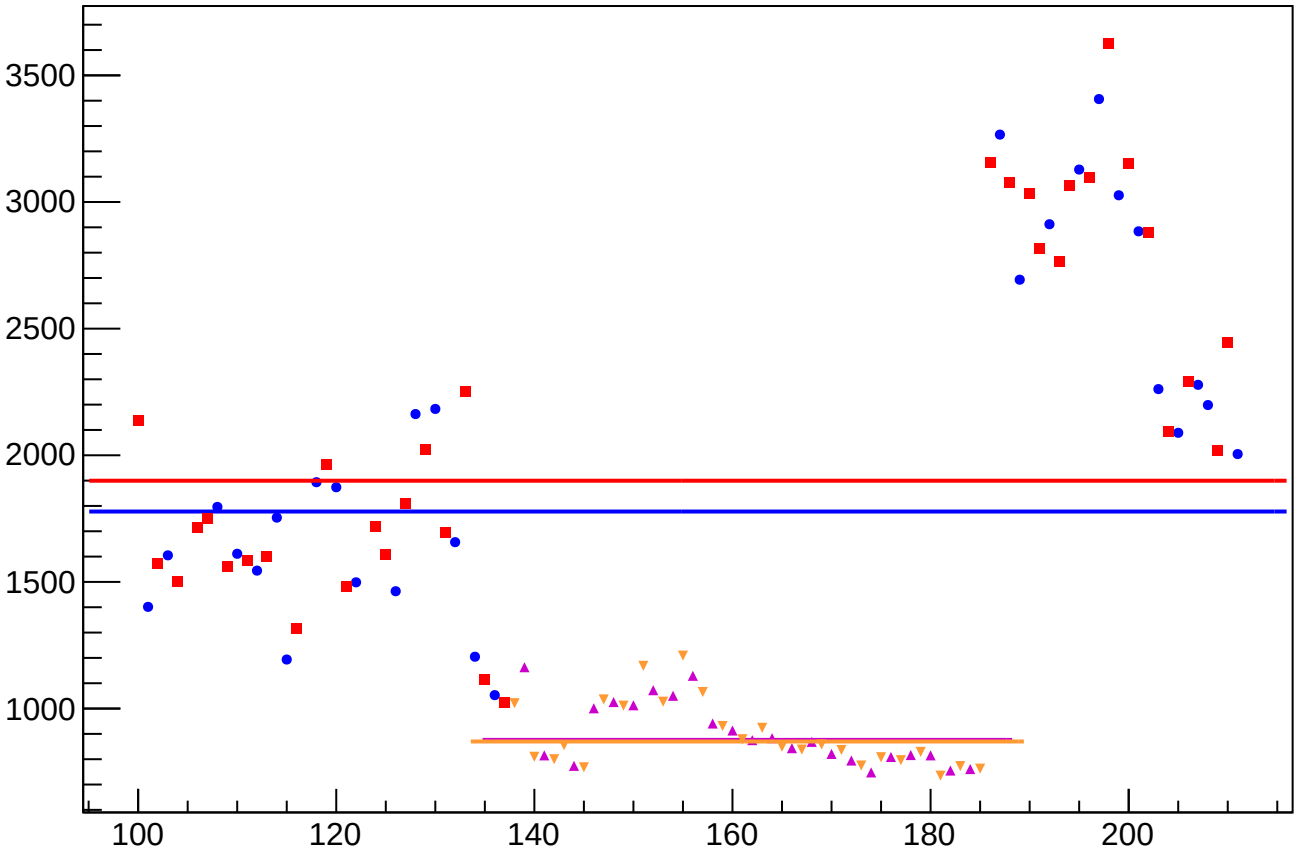
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -20.831+/-329.814 χ^2/NDF: 76.9/60

In: -182.694+/-188.659 χ^2/NDF:70.1/50

Out: -461.157+/-183.974 χ^2/NDF:104.8/57

All: -325.426+/-131.715 χ^2/NDF: 176.0/108



Right In: 1777.950+/-0.327 χ^2/NDF: 3373092.0/27

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1899.572+/-0.333 χ^2/NDF: 3535034.3/32

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

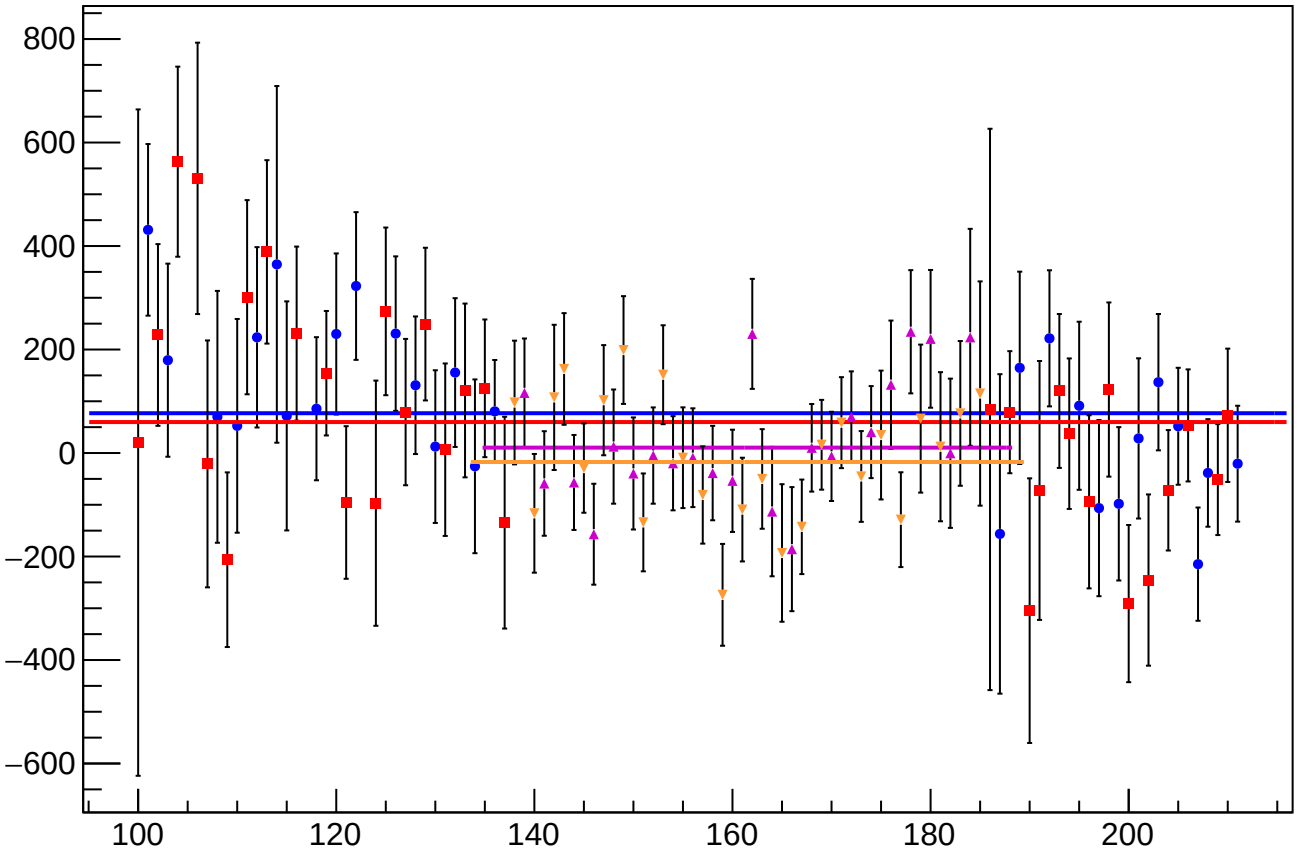
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1837.588+/-0.233 χ^2/NDF: 6976093.4/60

In: 1026.635+/-0.133 χ^2/NDF:10318250.3/50

Out: 1027.095+/-0.130 χ^2/NDF:12280906.6/57

All: 1026.871+/-0.093 χ^2/NDF: 22599163.0/1



Right In: 76.922+/-27.827 χ^2/NDF: 26.3/27

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 59.843+/-27.709 χ^2/NDF: 42.0/32

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

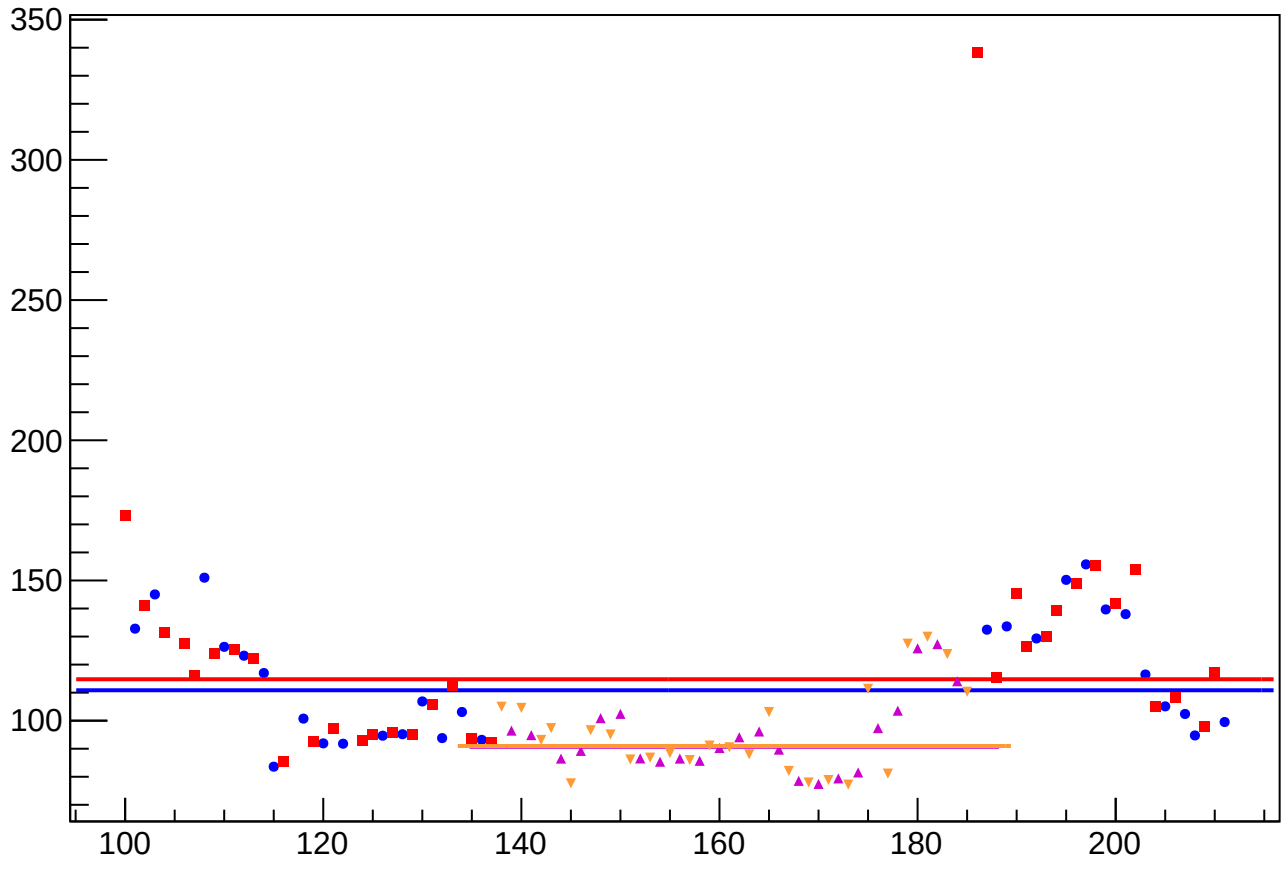
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 68.346+/-19.635 χ^2/NDF: 68.5/60

In: 35.278+/-17.015 χ^2/NDF:52.6/50

Out: 10.786+/-16.730 χ^2/NDF:78.1/57

All: 22.825+/-11.929 χ^2/NDF: 131.7/108



Right In: 110.846+/-0.020 χ^2/NDF: 996061.5/27

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.772+/-0.020 χ^2/NDF: 1349771.0/32

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

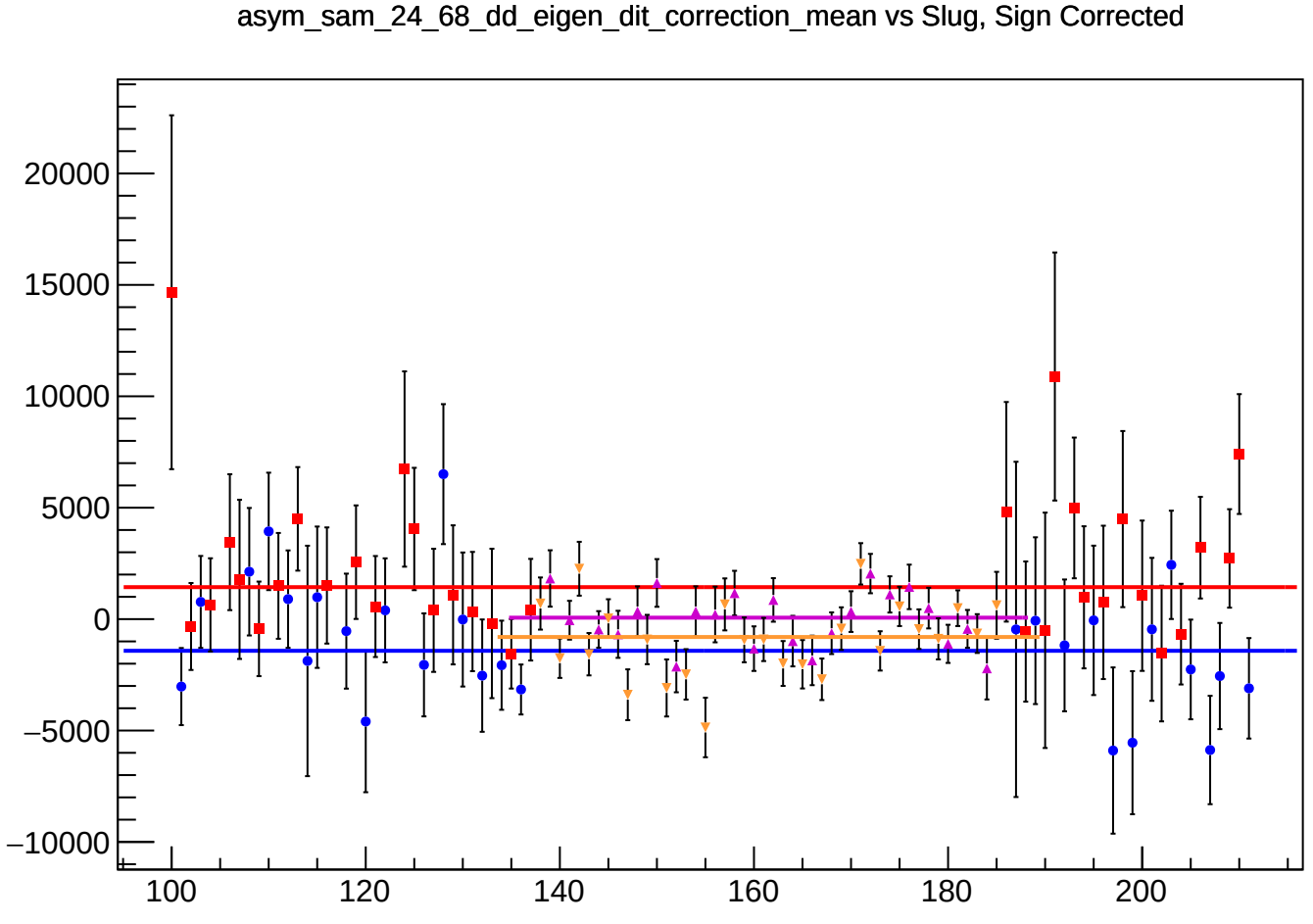
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

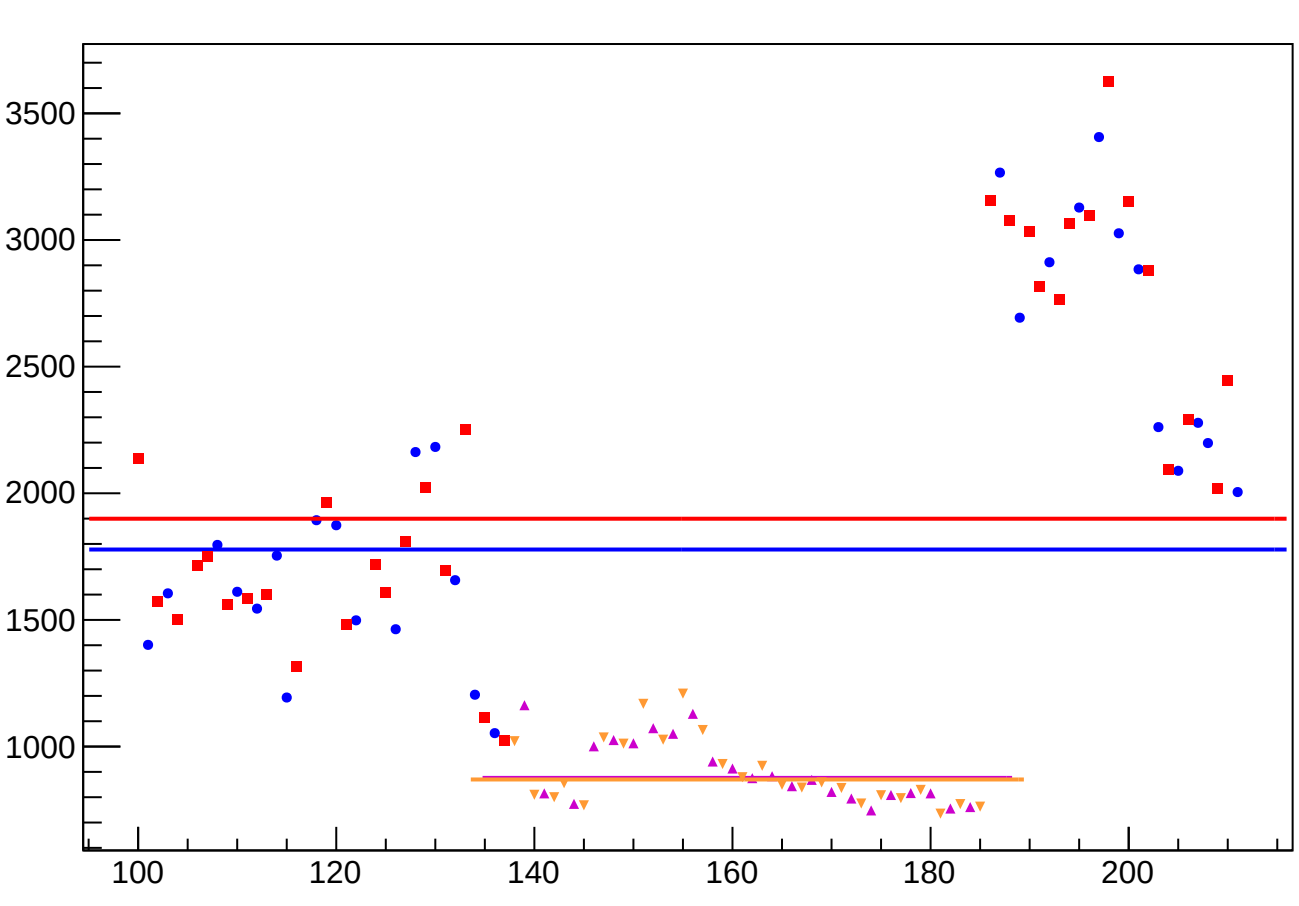
Right: 112.817+/-0.014 χ^2/NDF: 2365821.6/60

In: 98.226+/-0.012 χ^2/NDF:2198984.8/50

Out: 99.645+/-0.012 χ^2/NDF:3072315.0/57

All: 98.947+/-0.008 χ^2/NDF: 5278372.1/108


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1421.434+/-461.991 χ²/NDF: 30.8/27
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1434.877+/-470.992 χ²/NDF: 27.4/32
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -20.830+/-329.813 χ²/NDF: 76.9/60
In: -182.694+/-188.659 χ²/NDF:70.1/50
Out: -461.157+/-183.974 χ²/NDF:104.8/57
All: -325.426+/-131.714 χ²/NDF: 176.0/108



Right In: 1777.947+/-0.327 χ^2/NDF: 3373099.0/27

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1899.570+/-0.333 χ^2/NDF: 3535046.7/32

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

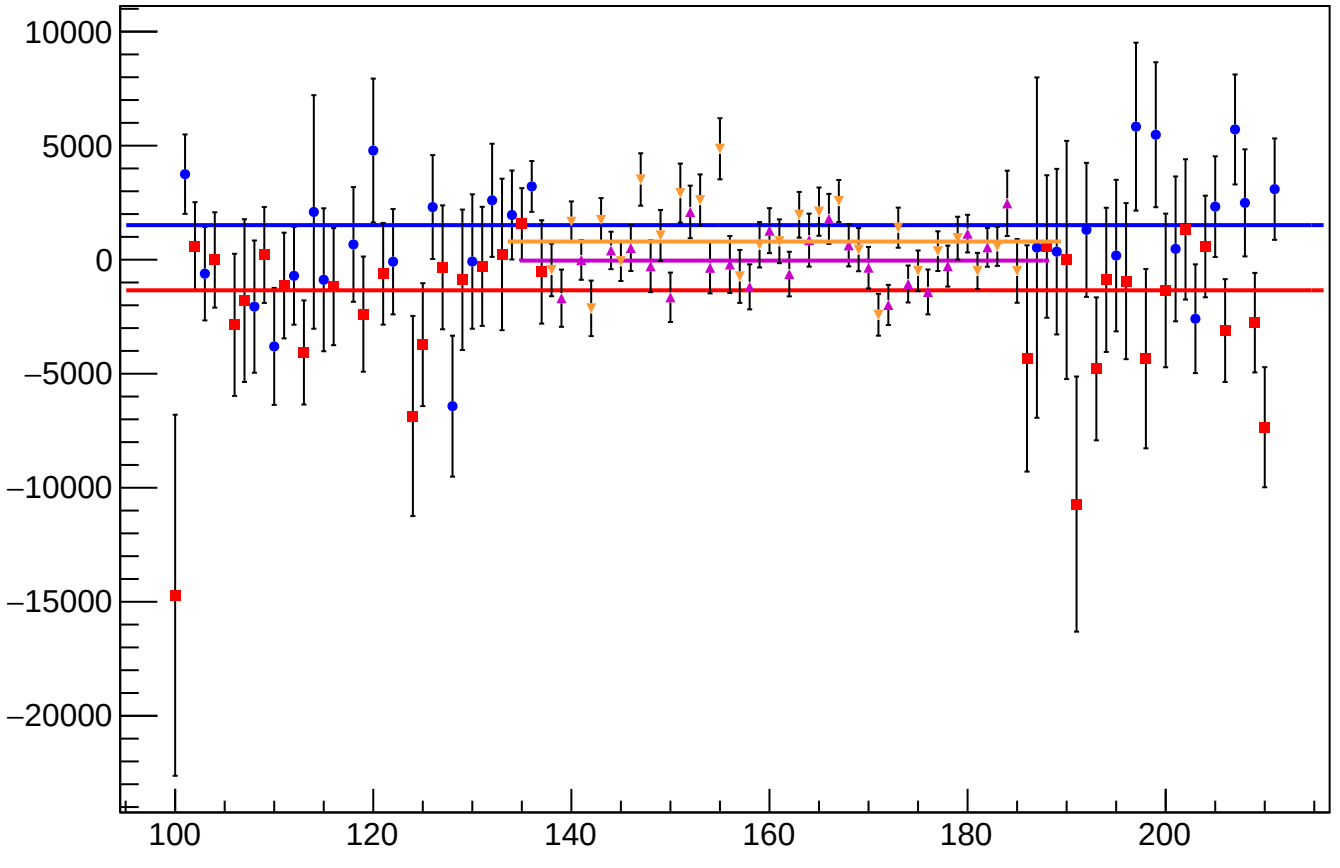
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1837.585+/-0.233 χ^2/NDF: 6976112.6/60

In: 1026.634+/-0.133 χ^2/NDF:10318248.7/50

Out: 1027.094+/-0.130 χ^2/NDF:12280906.4/57

All: 1026.870+/-0.093 χ^2/NDF: 22599161.2/1



Right In: 1515.036+/-456.713 χ^2/NDF: 31.6/27

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1341.878+/-467.073 χ^2/NDF: 26.4/32

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

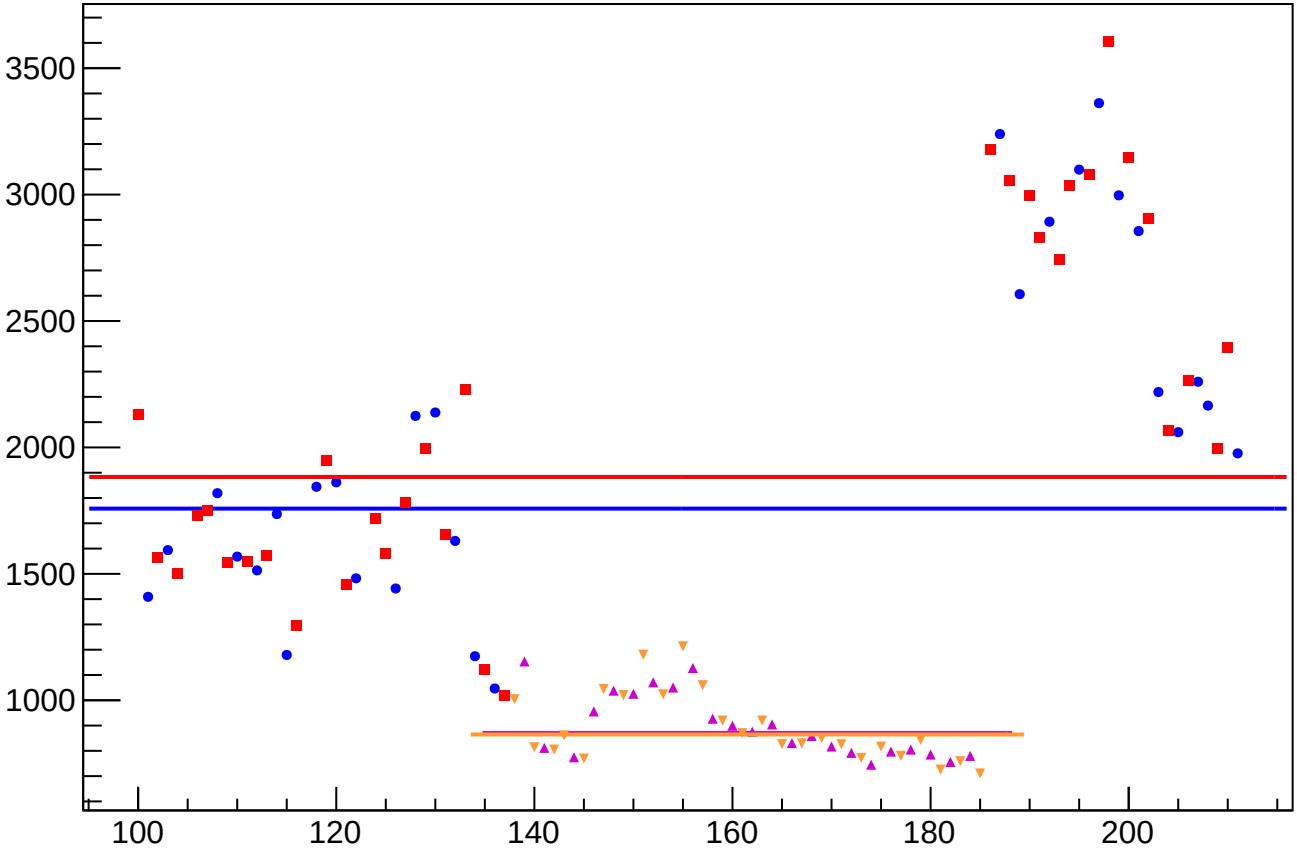
Right: 118.617+/-326.546 χ^2/NDF: 77.1/60

In: 221.715+/-187.289 χ^2/NDF:70.9/50

Out: 468.341+/-182.922 χ^2/NDF:101.3/57

All: 347.937+/-130.862 χ^2/NDF: 173.1/108

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1757.999+/-0.323 χ^2/NDF: 3343695.8/27

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1883.114+/-0.330 χ^2/NDF: 3539284.5/32

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

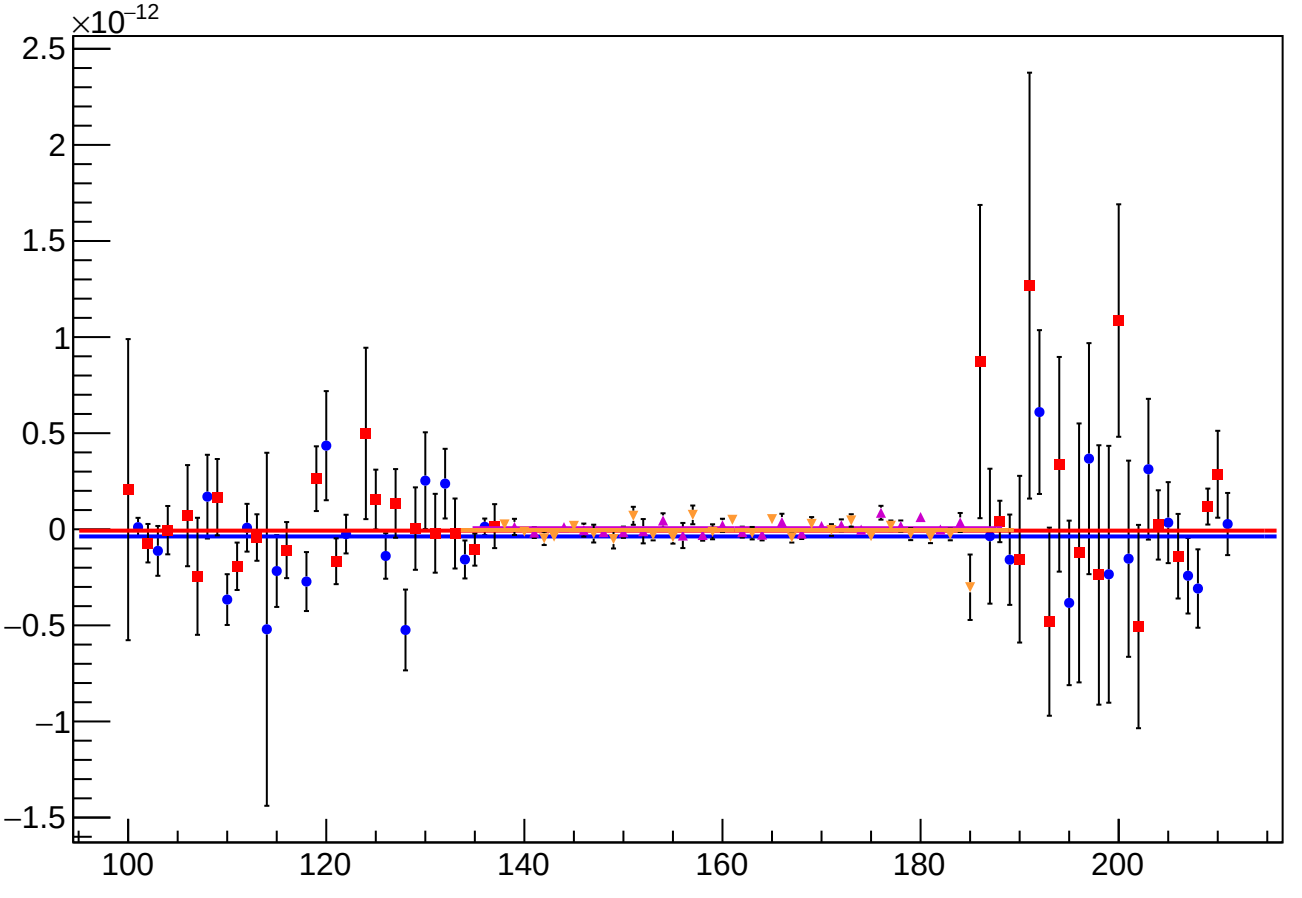
Right: 1819.153+/-0.231 χ^2/NDF: 6956344.3/60

In: 1019.619+/-0.132 χ^2/NDF:10232660.9/50

Out: 1020.848+/-0.129 χ^2/NDF:12279275.8/57

All: 1020.248+/-0.093 χ^2/NDF: 22511980.8/

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/32

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

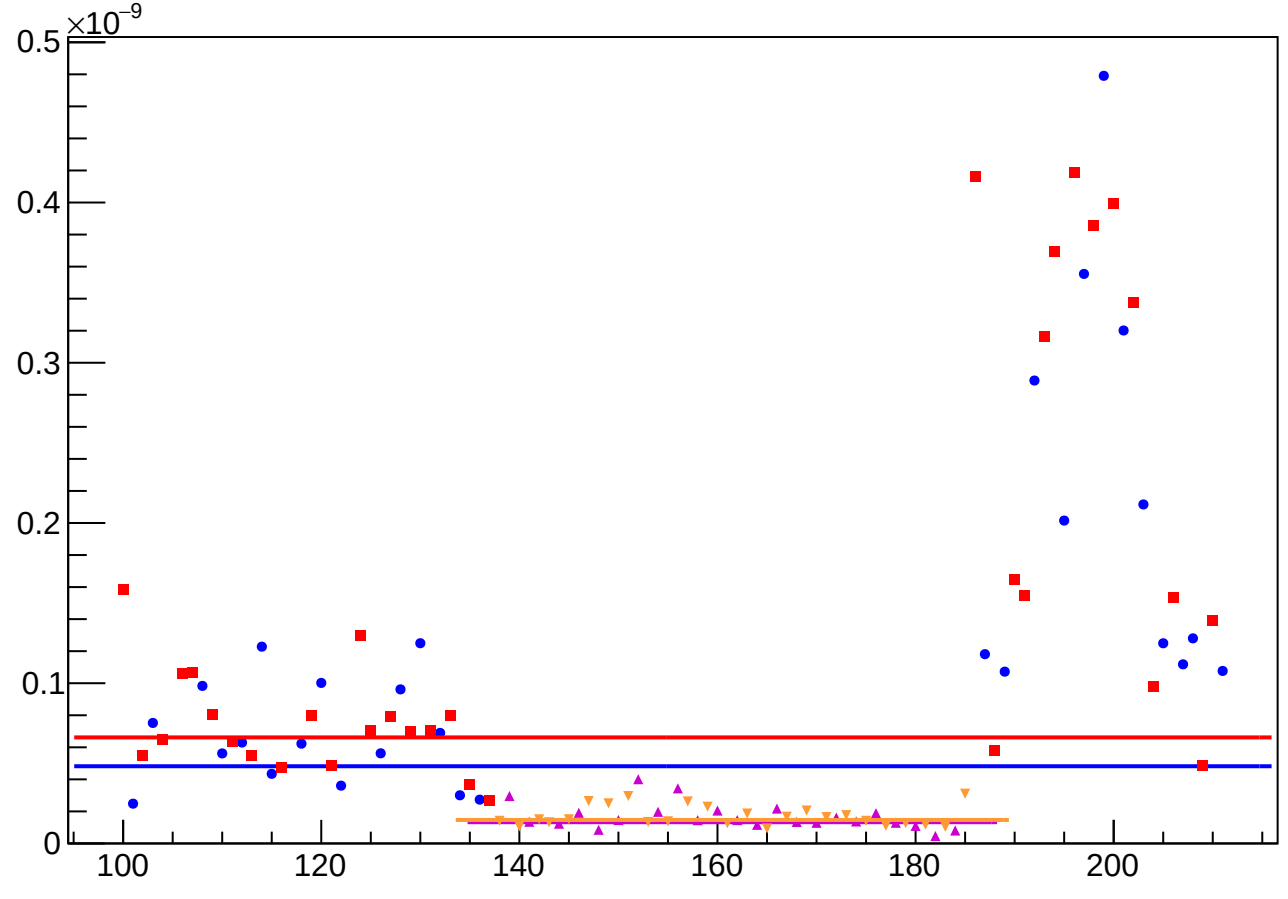
Right: -0.000+/-0.000 χ^2/NDF: 61.8/60

In: 0.000+/-0.000 χ^2/NDF:59.0/50

Out: -0.000+/-0.000 χ^2/NDF:64.6/57

All: -0.000+/-0.000 χ^2/NDF: 124.3/108

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6153378.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5201818.3/32

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

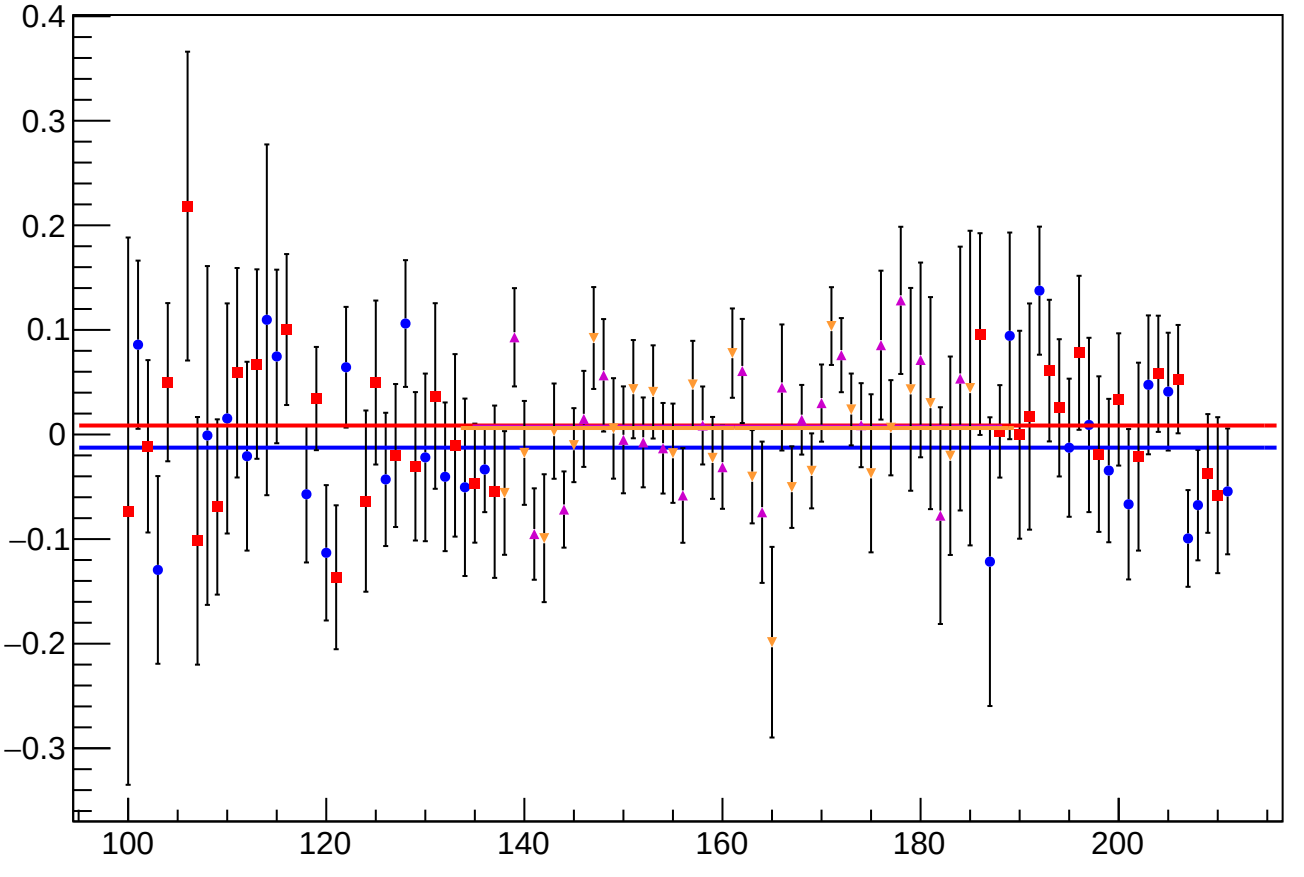
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11810580.3/60

In: 0.000+/-0.000 χ^2/NDF:12156862.8/50

Out: 0.000+/-0.000 χ^2/NDF:12248799.0/57

All: 0.000+/-0.000 χ^2/NDF: 24463246.6/108



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

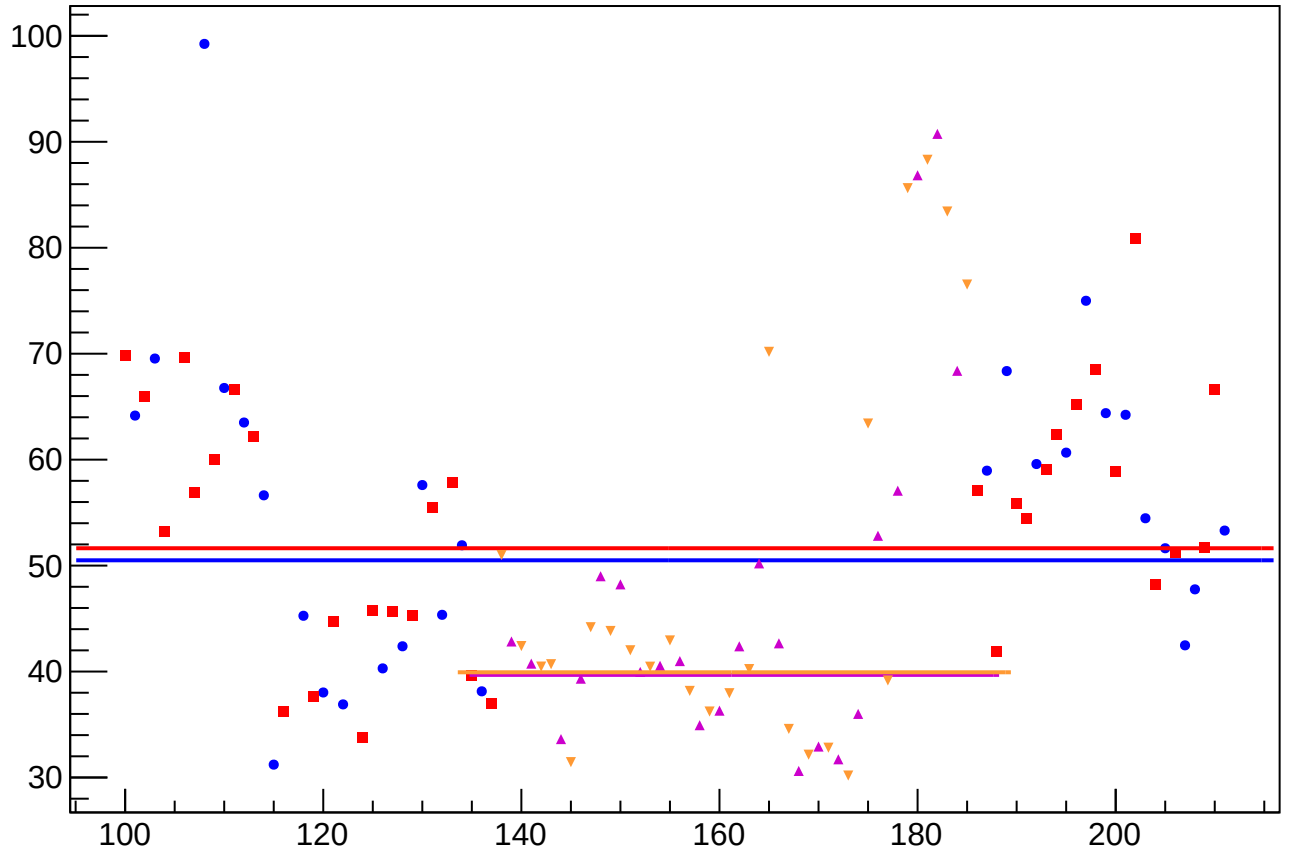
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.002+/-0.009 χ^2/NDF: 51.1/60

In: 0.000+/-0.008 χ^2/NDF:61.6/50

Out: 0.007+/-0.008 χ^2/NDF:51.0/57

All: 0.004+/-0.005 χ^2/NDF: 112.9/108



Right In: 50.500+/-0.009 χ^2/NDF: 1590710.4/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.638+/-0.009 χ^2/NDF: 1444094.7/32

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

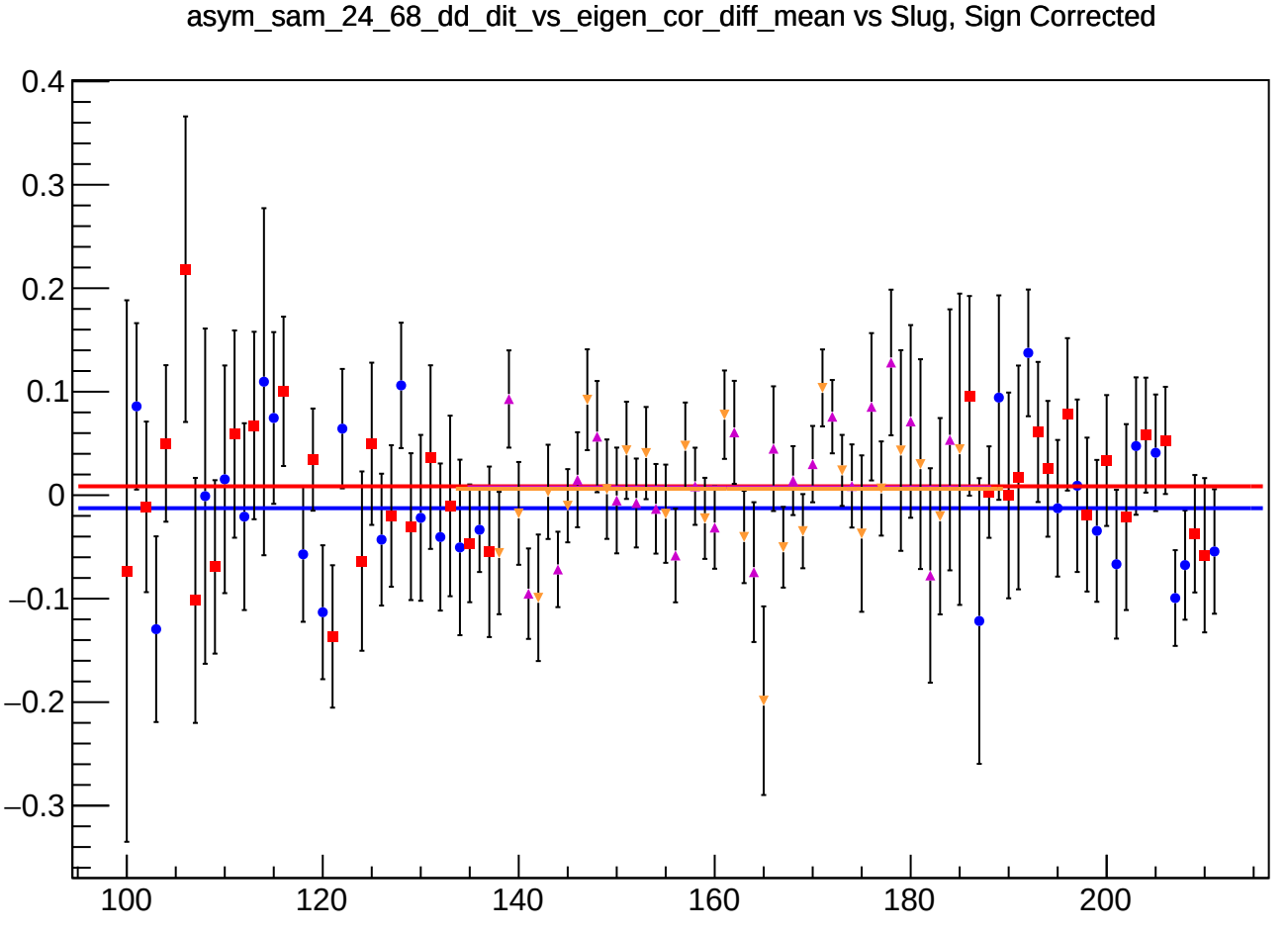
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.083+/-0.006 χ^2/NDF: 3042683.5/60

In: 43.599+/-0.006 χ^2/NDF:4392423.7/50

Out: 44.188+/-0.005 χ^2/NDF:5007784.6/57

All: 43.900+/-0.004 χ^2/NDF: 9406020.5/108



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

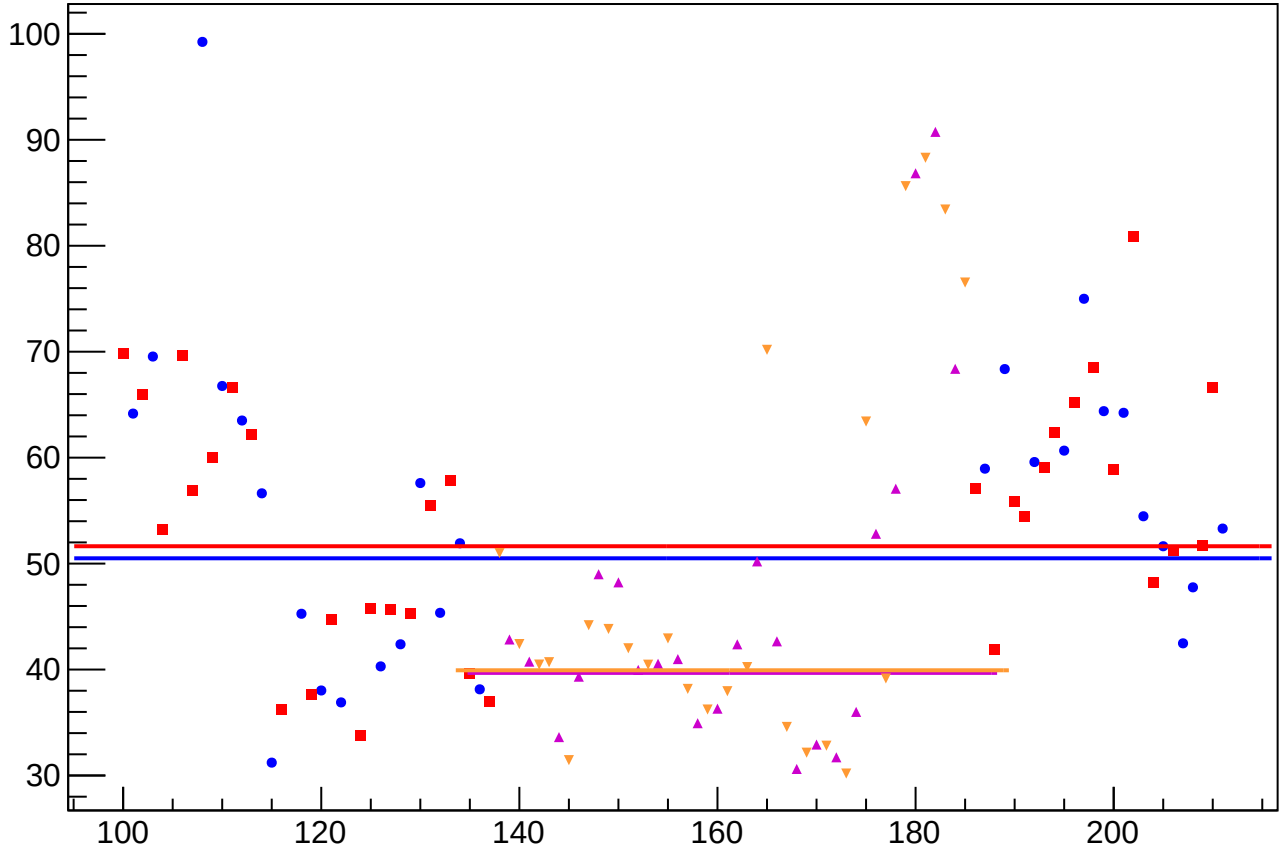
Right: -0.002+/-0.009 χ^2/NDF: 51.1/60

In: 0.000+/-0.008 χ^2/NDF:61.6/50

Out: 0.007+/-0.008 χ^2/NDF:51.0/57

All: 0.004+/-0.005 χ^2/NDF: 112.9/108

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.500+/-0.009 χ^2/NDF: 1590710.4/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.638+/-0.009 χ^2/NDF: 1444094.7/32

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

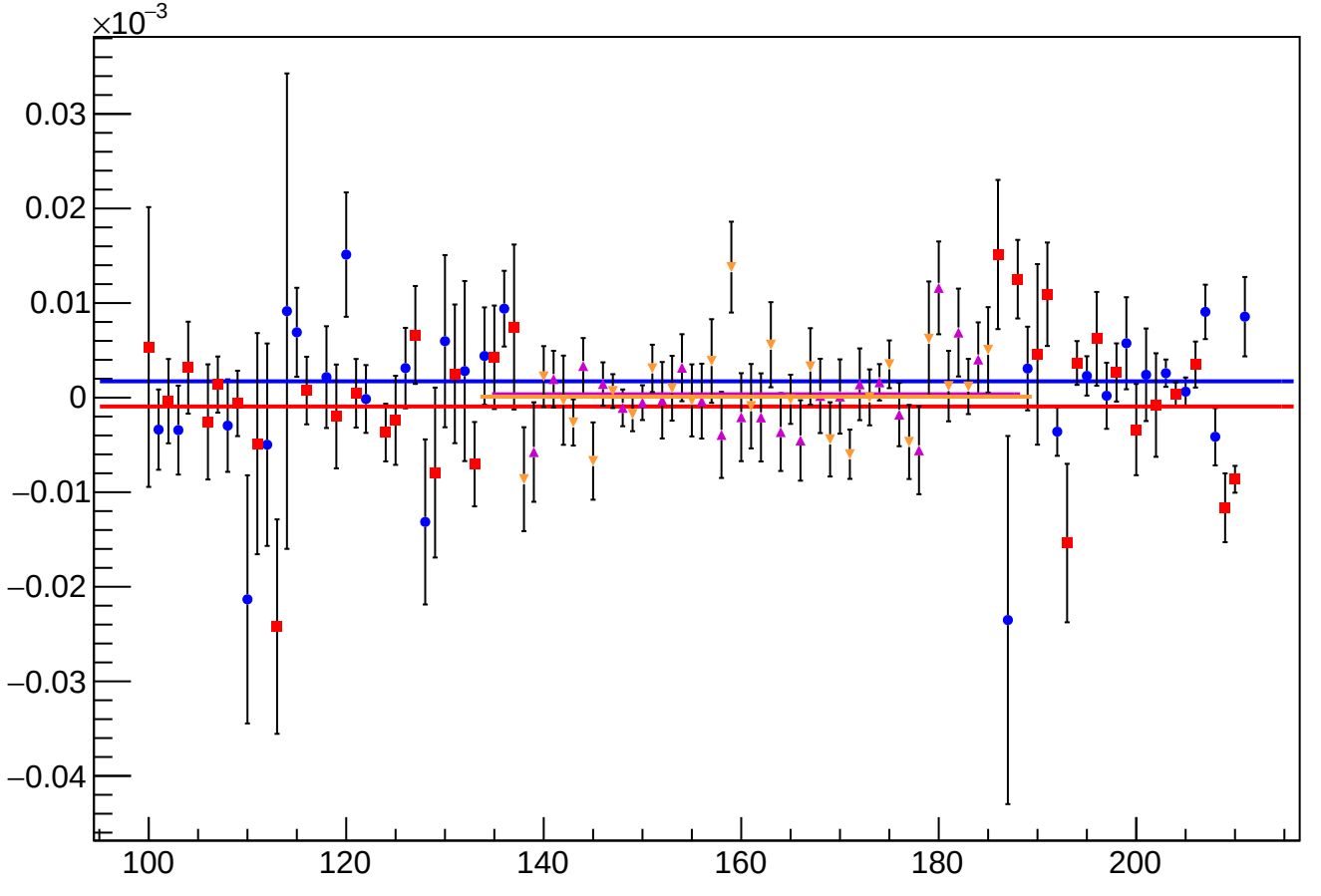
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.083+/-0.006 χ^2/NDF: 3042683.5/60

In: 43.599+/-0.006 χ^2/NDF:4392423.7/50

Out: 44.188+/-0.005 χ^2/NDF:5007784.6/57

All: 43.900+/-0.004 χ^2/NDF: 9406020.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 40.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 86.7/32

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

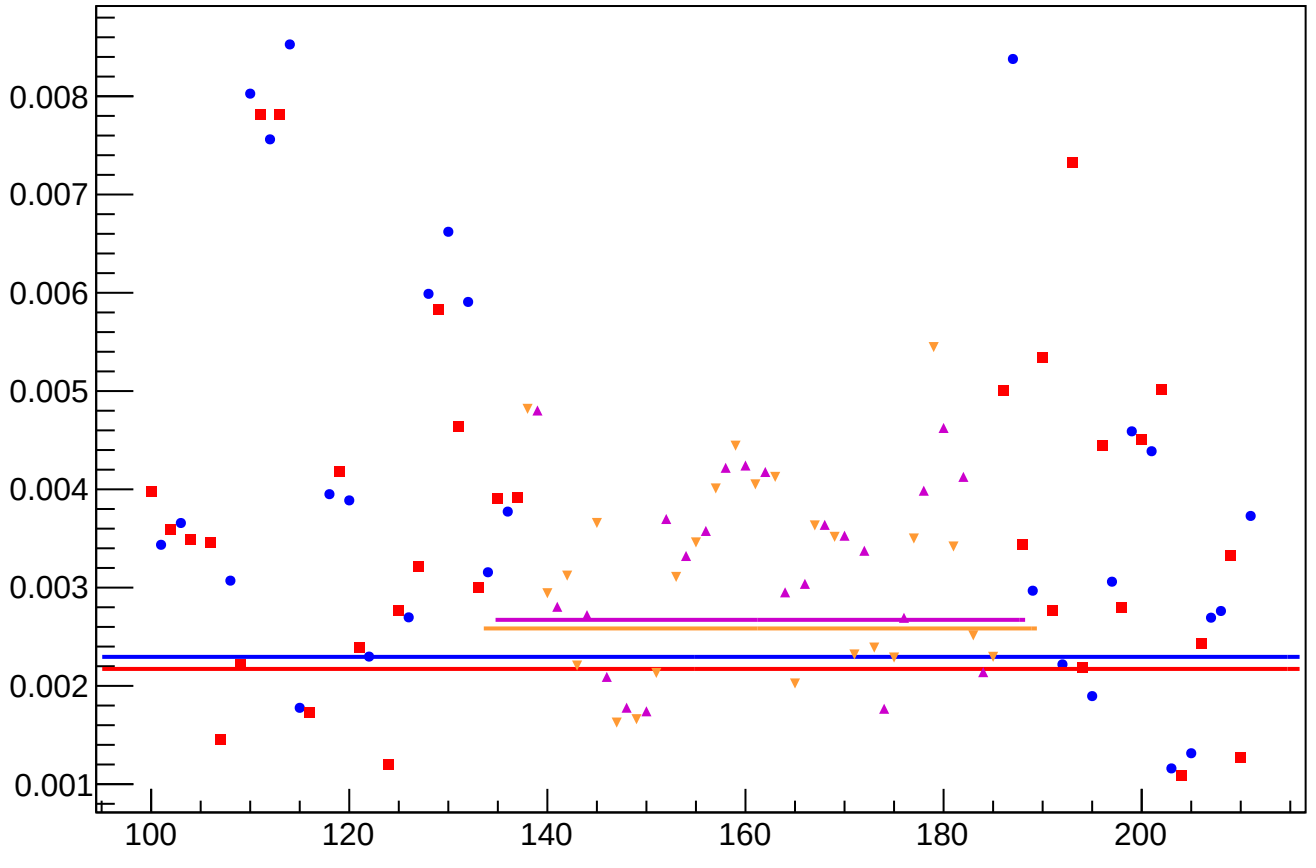
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 136.6/60

In: 0.000+/-0.000 χ^2/NDF:61.7/50

Out: -0.000+/-0.000 χ^2/NDF:121.3/57

All: 0.000+/-0.000 χ^2/NDF: 188.6/108



Right In: 0.002+/-0.000 χ^2/NDF: 6757556.6/27

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8565199.4/32

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

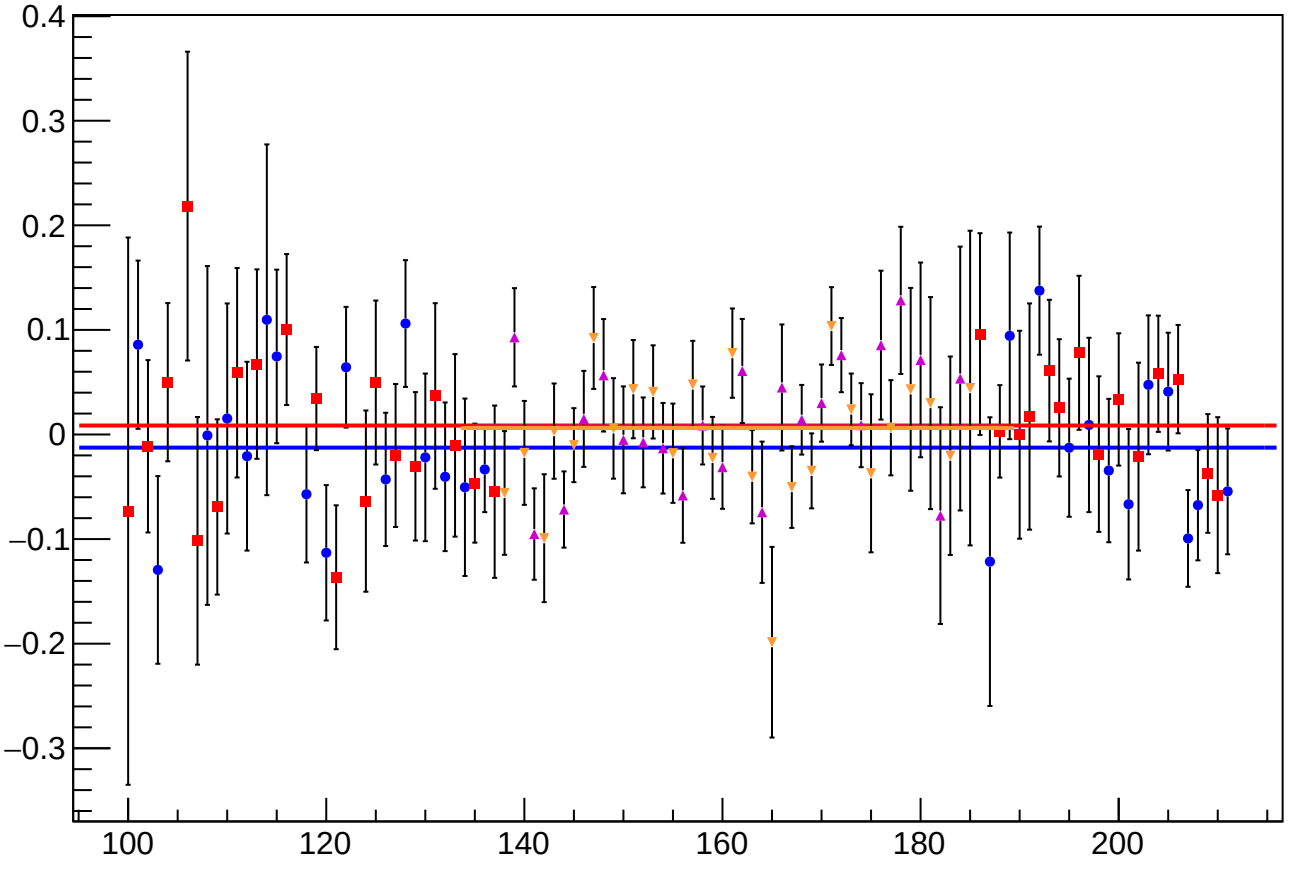
Right: 0.002+/-0.000 χ^2/NDF: 15360913.7/60

In: 0.002+/-0.000 χ^2/NDF:10907926.5/50

Out: 0.002+/-0.000 χ^2/NDF:12907143.1/57

All: 0.002+/-0.000 χ^2/NDF: 23872978.2/108

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

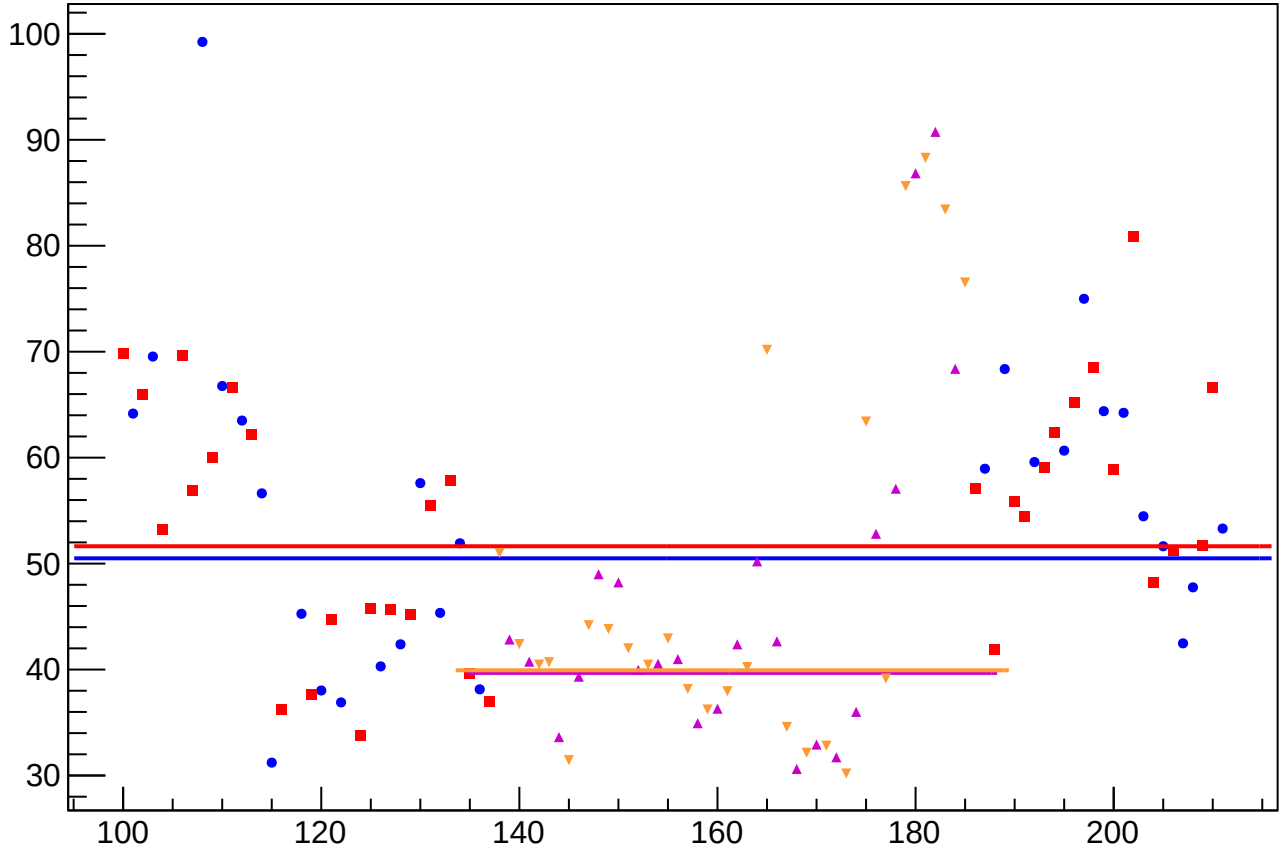
Right: -0.002+/-0.009 χ^2/NDF: 51.1/60

In: 0.000+/-0.008 χ^2/NDF:61.6/50

Out: 0.007+/-0.008 χ^2/NDF:51.0/57

All: 0.004+/-0.005 χ^2/NDF: 112.9/108

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.499+/-0.009 χ^2/NDF: 1590754.8/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.638+/-0.009 χ^2/NDF: 1444138.0/32

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

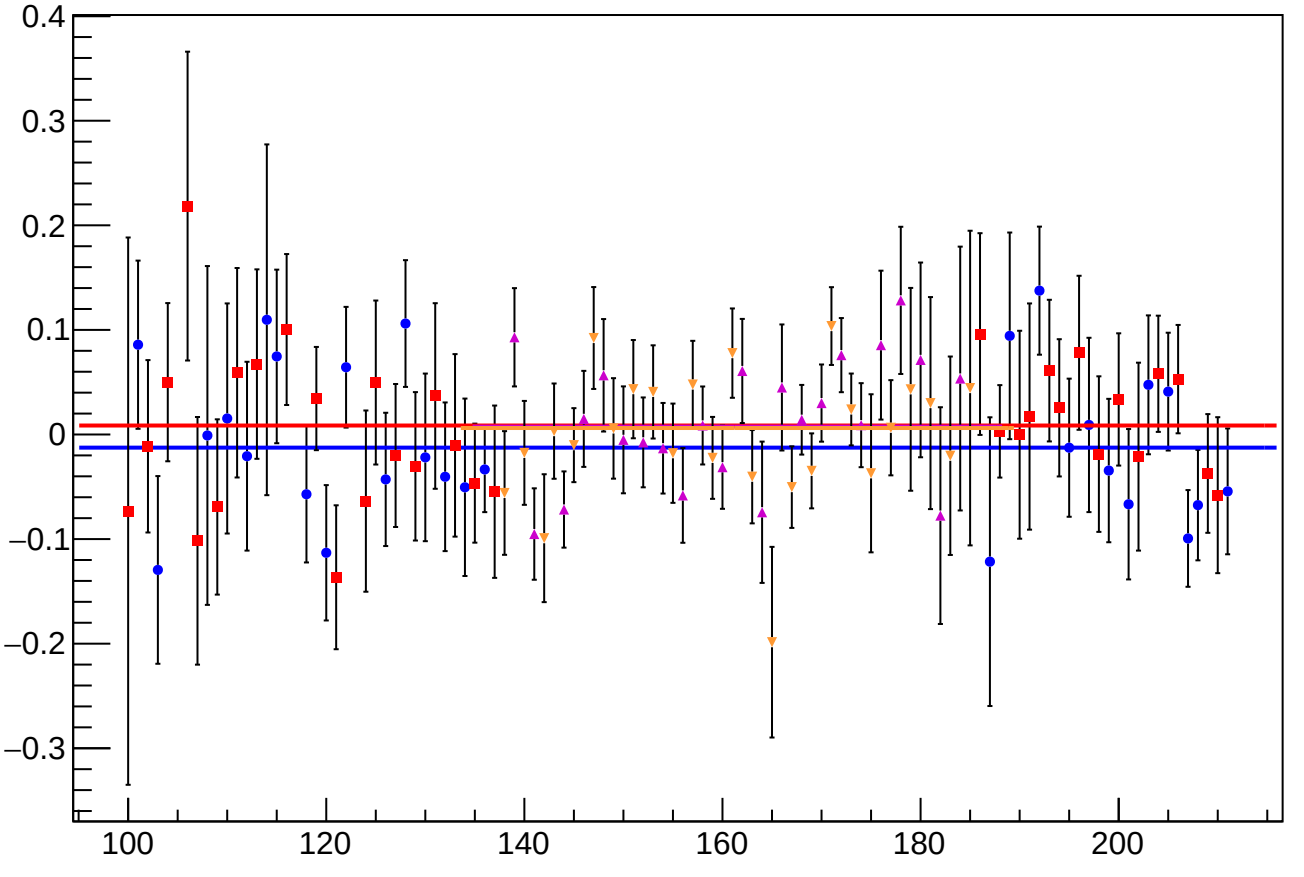
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.083+/-0.006 χ^2/NDF: 3042778.1/60

In: 43.599+/-0.006 χ^2/NDF:4392376.6/50

Out: 44.188+/-0.005 χ^2/NDF:5007752.7/57

All: 43.900+/-0.004 χ^2/NDF: 9405948.4/108



Right In: -0.013+/-0.013 χ^2/NDF: 29.6/27

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.013 χ^2/NDF: 20.1/32

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

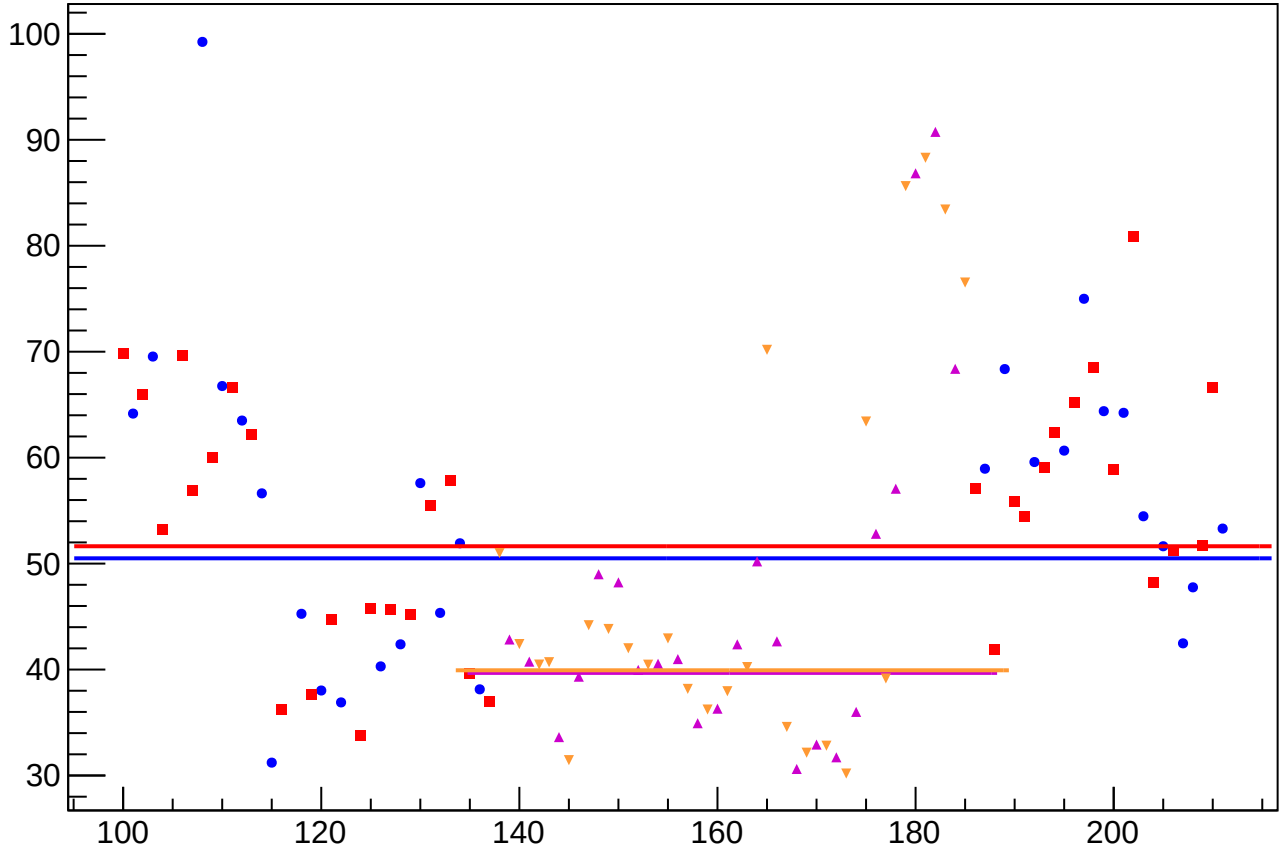
Right: -0.002+/-0.009 χ^2/NDF: 51.1/60

In: 0.000+/-0.008 χ^2/NDF:61.6/50

Out: 0.007+/-0.008 χ^2/NDF:51.0/57

All: 0.004+/-0.005 χ^2/NDF: 112.9/108

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.499+/-0.009 χ^2/NDF: 1590754.8/27

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.638+/-0.009 χ^2/NDF: 1444138.0/32

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

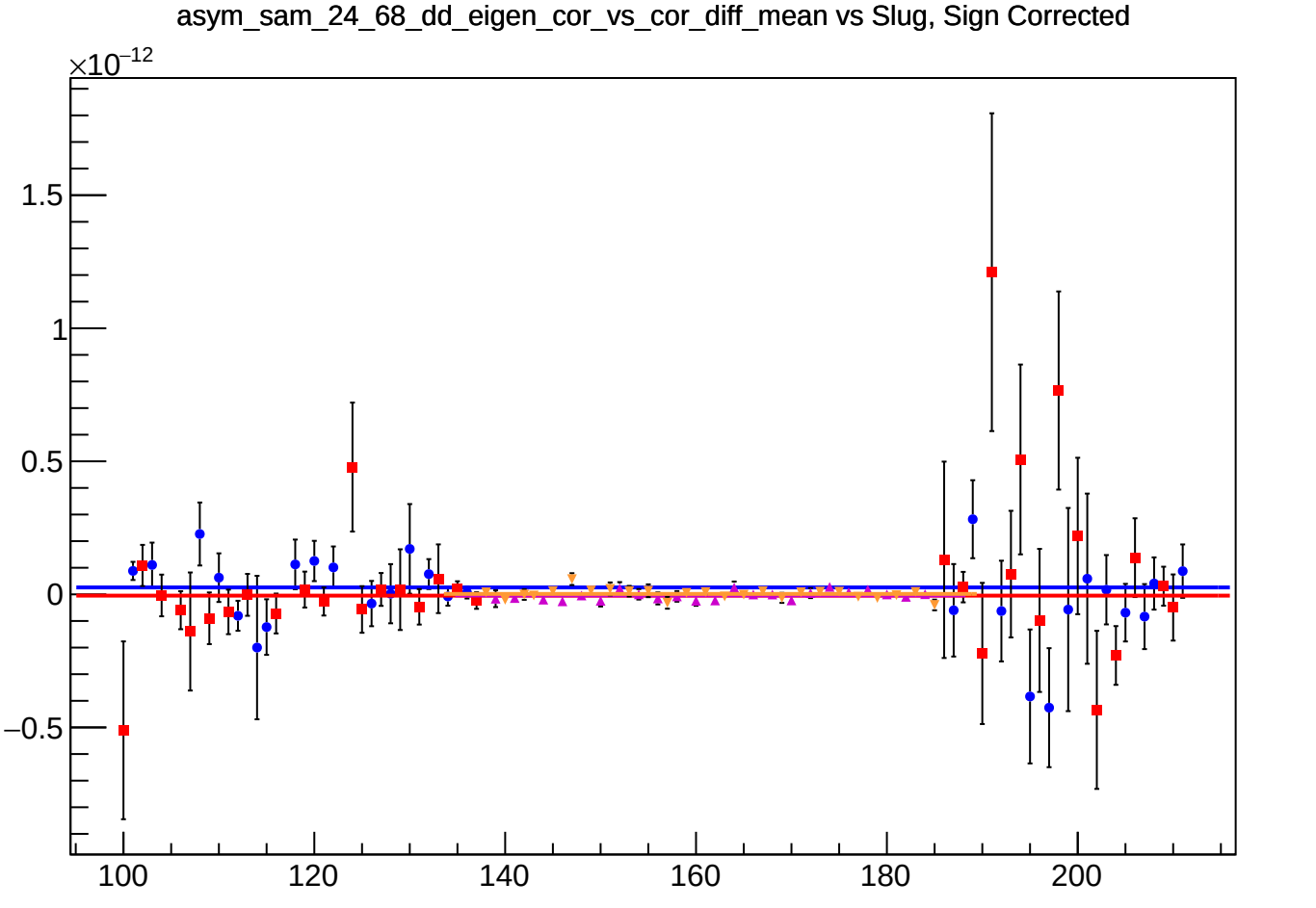
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.083+/-0.006 χ^2/NDF: 3042778.1/60

In: 43.599+/-0.006 χ^2/NDF:4392376.6/50

Out: 44.188+/-0.005 χ^2/NDF:5007752.7/57

All: 43.900+/-0.004 χ^2/NDF: 9405948.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/32

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

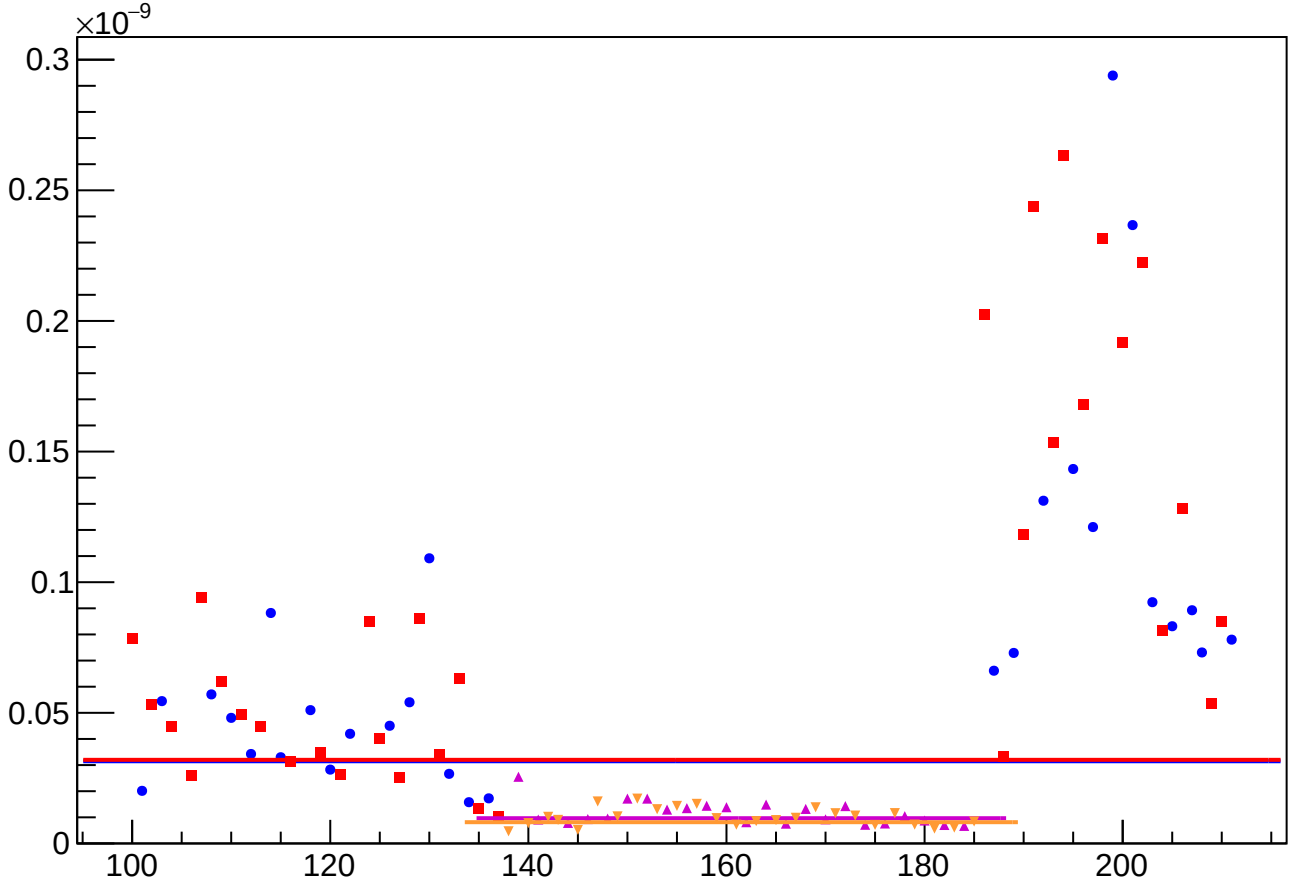
Right: 0.000+/-0.000 χ^2/NDF: 70.3/60

In: -0.000+/-0.000 χ^2/NDF:65.9/50

Out: 0.000+/-0.000 χ^2/NDF:62.4/57

All: -0.000+/-0.000 χ^2/NDF: 129.3/108

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7954907.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716566.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

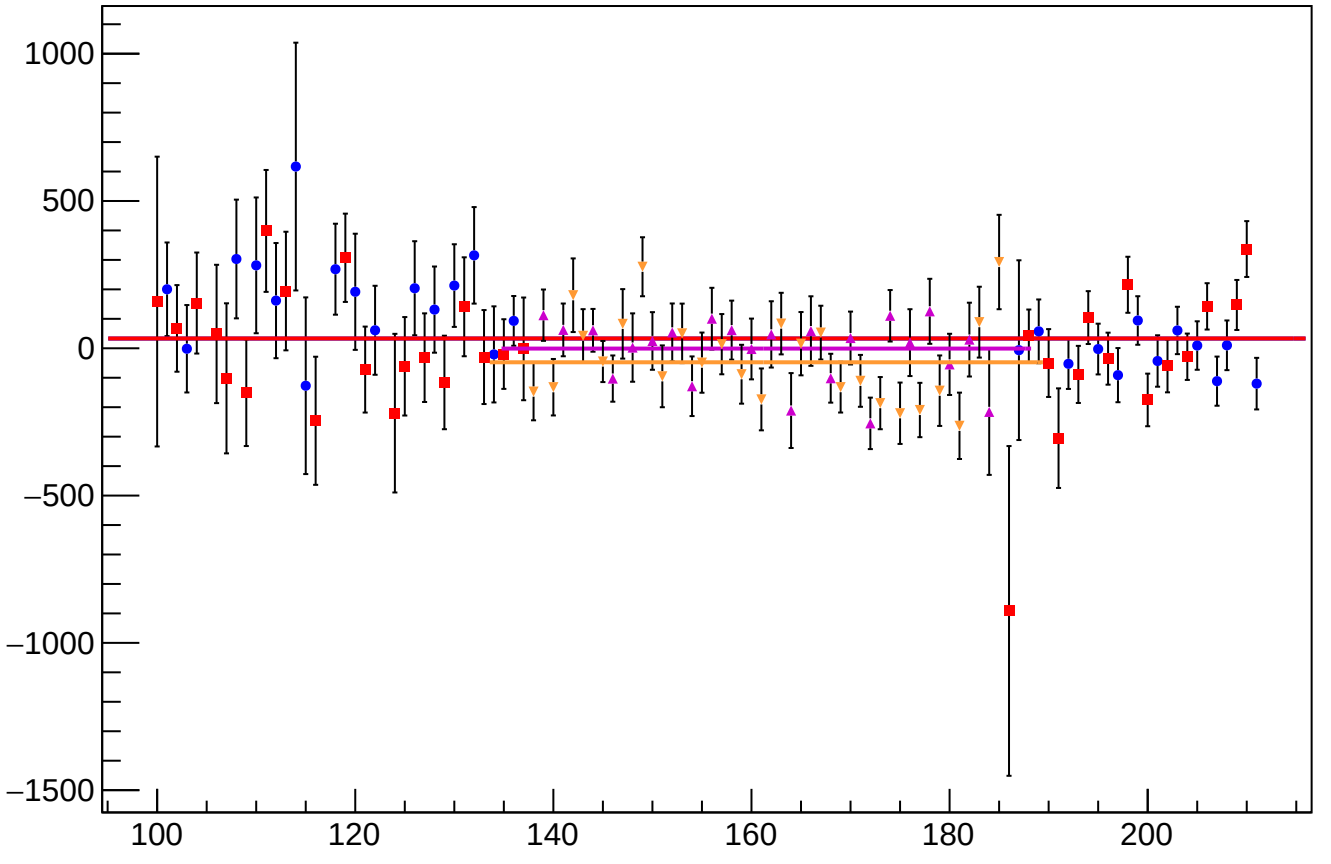
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17673203.1/60

In: 0.000+/-0.000 χ^2/NDF:15500877.2/50

Out: 0.000+/-0.000 χ^2/NDF:18262046.5/57

All: 0.000+/-0.000 χ^2/NDF: 34195671.8/108



Right In: 33.033+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 33.301+/-21.554 χ^2/NDF: 49.2/32

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

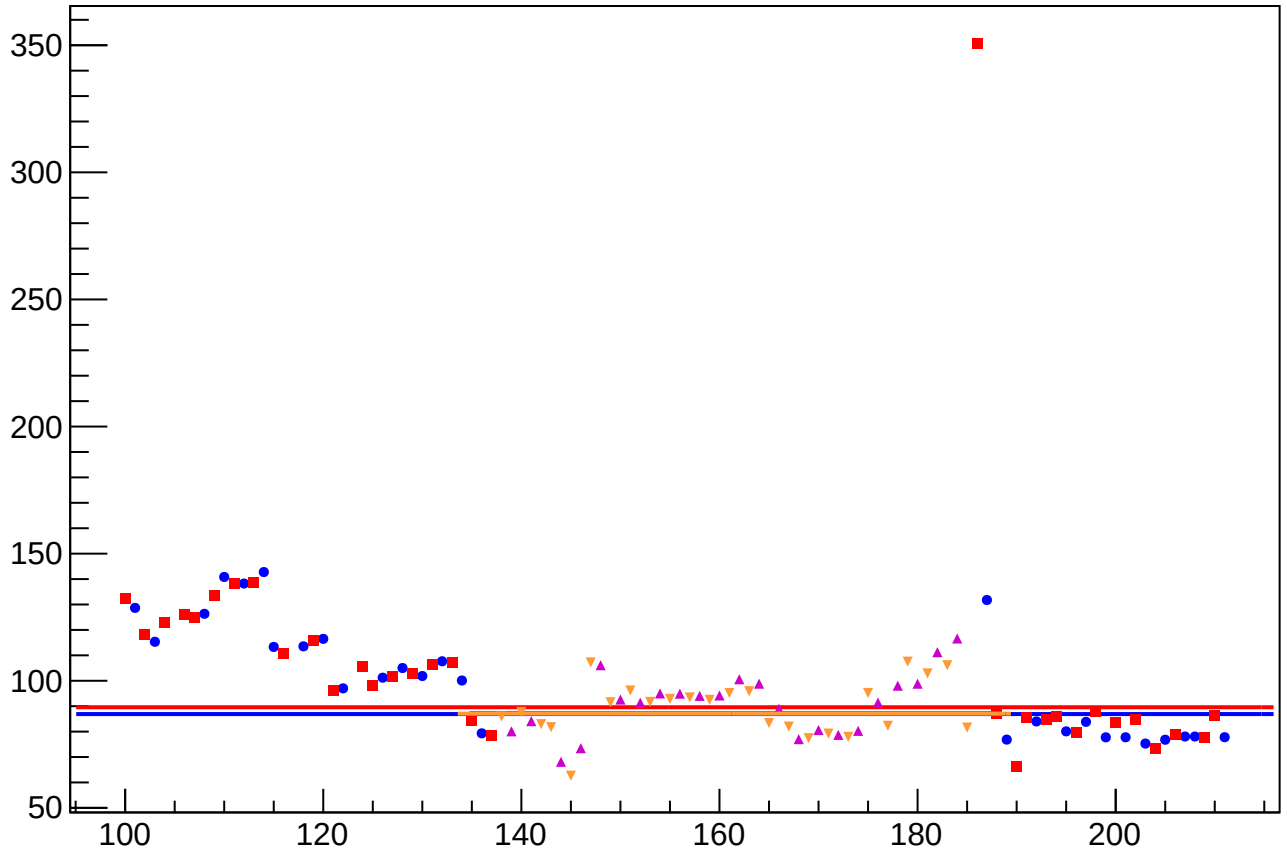
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 33.168+/-15.303 χ^2/NDF: 76.5/60

In: 15.118+/-14.952 χ^2/NDF:54.1/50

Out: -10.164+/-14.654 χ^2/NDF:100.7/57

All: 2.223+/-10.466 χ^2/NDF: 156.3/108



Right In: 86.900+/-0.015 χ^2/NDF: 1092923.7/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.582+/-0.015 χ^2/NDF: 1518834.4/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

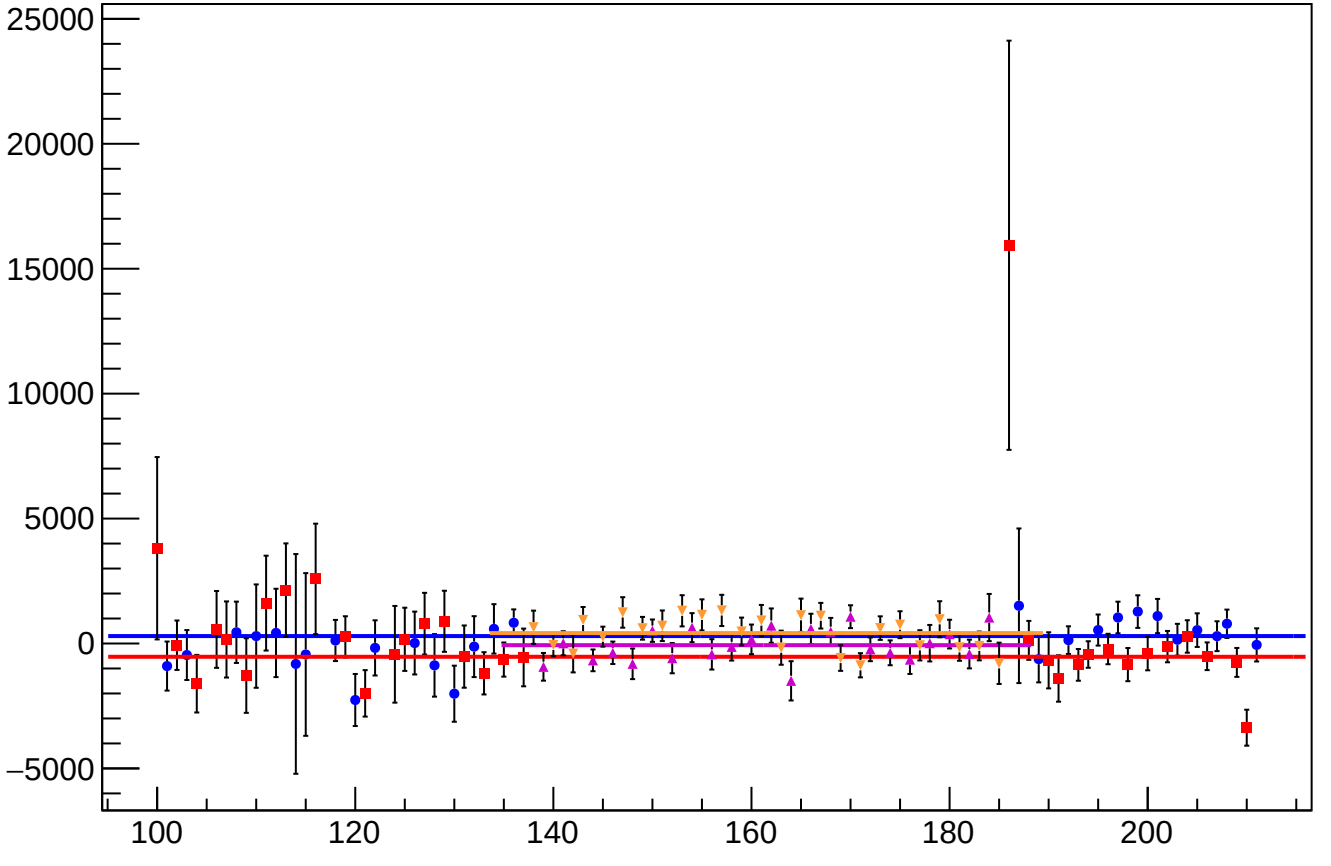
Right: 88.252+/-0.011 χ^2/NDF: 2627110.1/60

In: 87.088+/-0.011 χ^2/NDF:1689000.5/50

Out: 88.232+/-0.010 χ^2/NDF:2154044.3/57

All: 87.671+/-0.007 χ^2/NDF: 3849017.8/108

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 297.178+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -531.227+/-151.417 χ^2/NDF: 39.8/32

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

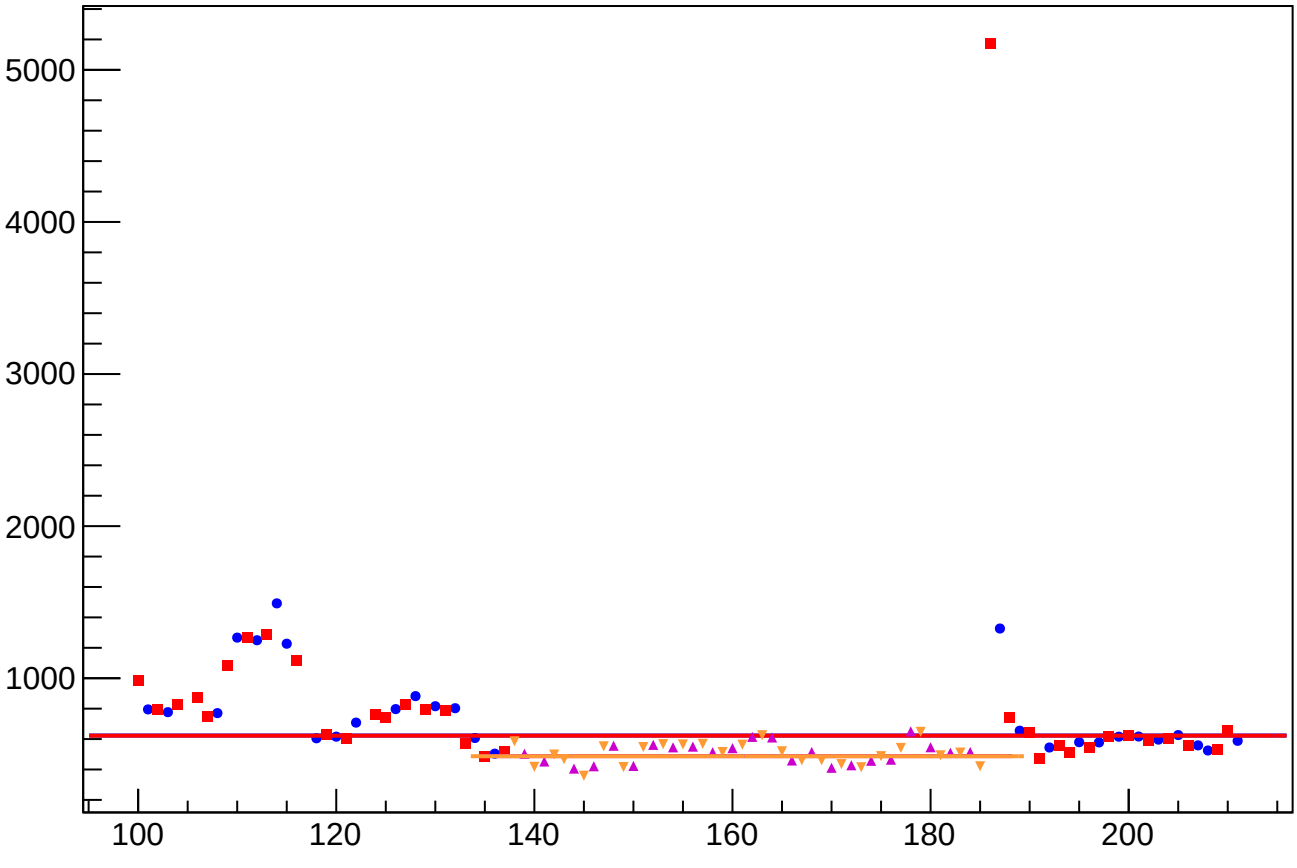
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

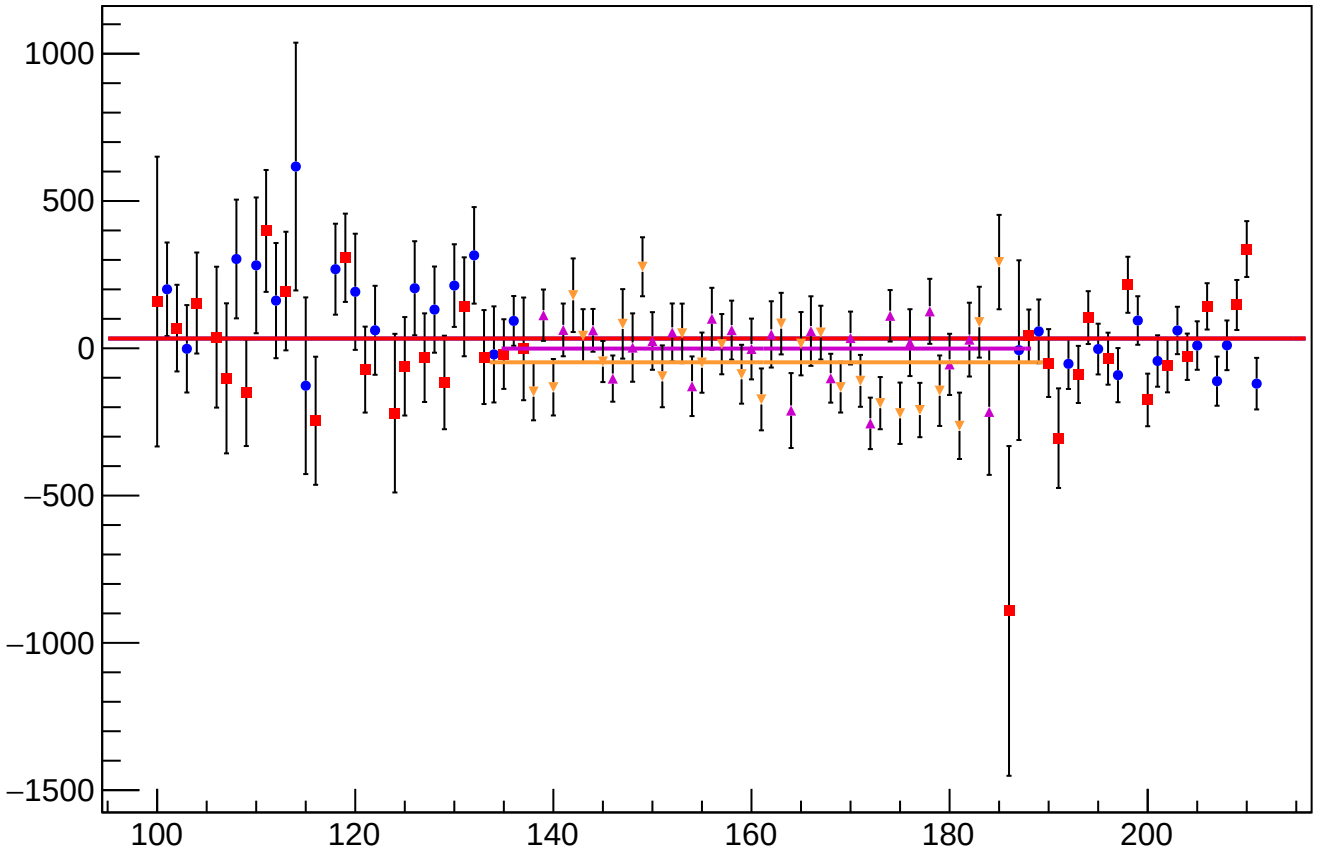
Right: -130.877+/-108.843 χ^2/NDF: 76.7/60

In: 61.435+/-92.904 χ^2/NDF:53.4/50

Out: 79.997+/-90.218 χ^2/NDF:97.5/57

All: 70.988+/-64.723 χ^2/NDF: 150.9/108


asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 623.425+/-0.111 χ²/NDF: 1327330.9/27
Left Out: 487.081+/-0.079 χ²/NDF:821265.9/24
Right Out: 622.269+/-0.107 χ²/NDF: 2205800.7/32
Left In: 487.930+/-0.082 χ²/NDF:634269.5/22
Left: 487.494+/-0.057 χ²/NDF: 1455591.1/47
Right: 622.828+/-0.077 χ²/NDF: 3533187.9/60
In: 535.637+/-0.066 χ²/NDF:2932063.3/50
Out: 535.074+/-0.064 χ²/NDF:4055349.6/57
All: 535.347+/-0.046 χ²/NDF: 6987450.7/108



Right In: 33.026+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 33.228+/-21.557 χ^2/NDF: 49.2/32

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

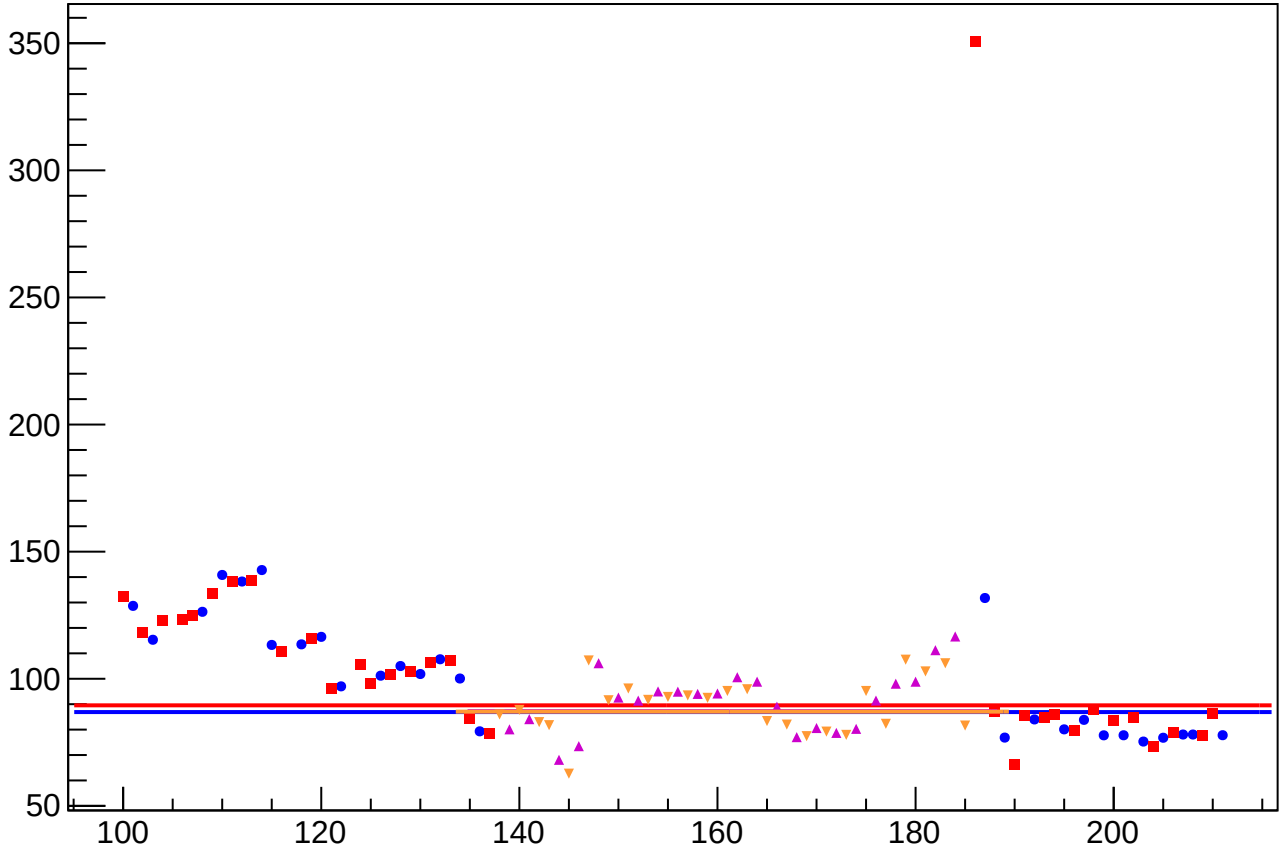
Right: 33.128+/-15.305 χ^2/NDF: 76.5/60

In: 15.113+/-14.952 χ^2/NDF:54.1/50

Out: -10.208+/-14.655 χ^2/NDF:100.7/57

All: 2.199+/-10.466 χ^2/NDF: 156.2/108

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.900+/-0.015 χ^2/NDF: 1092924.1/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.548+/-0.015 χ^2/NDF: 1510283.6/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

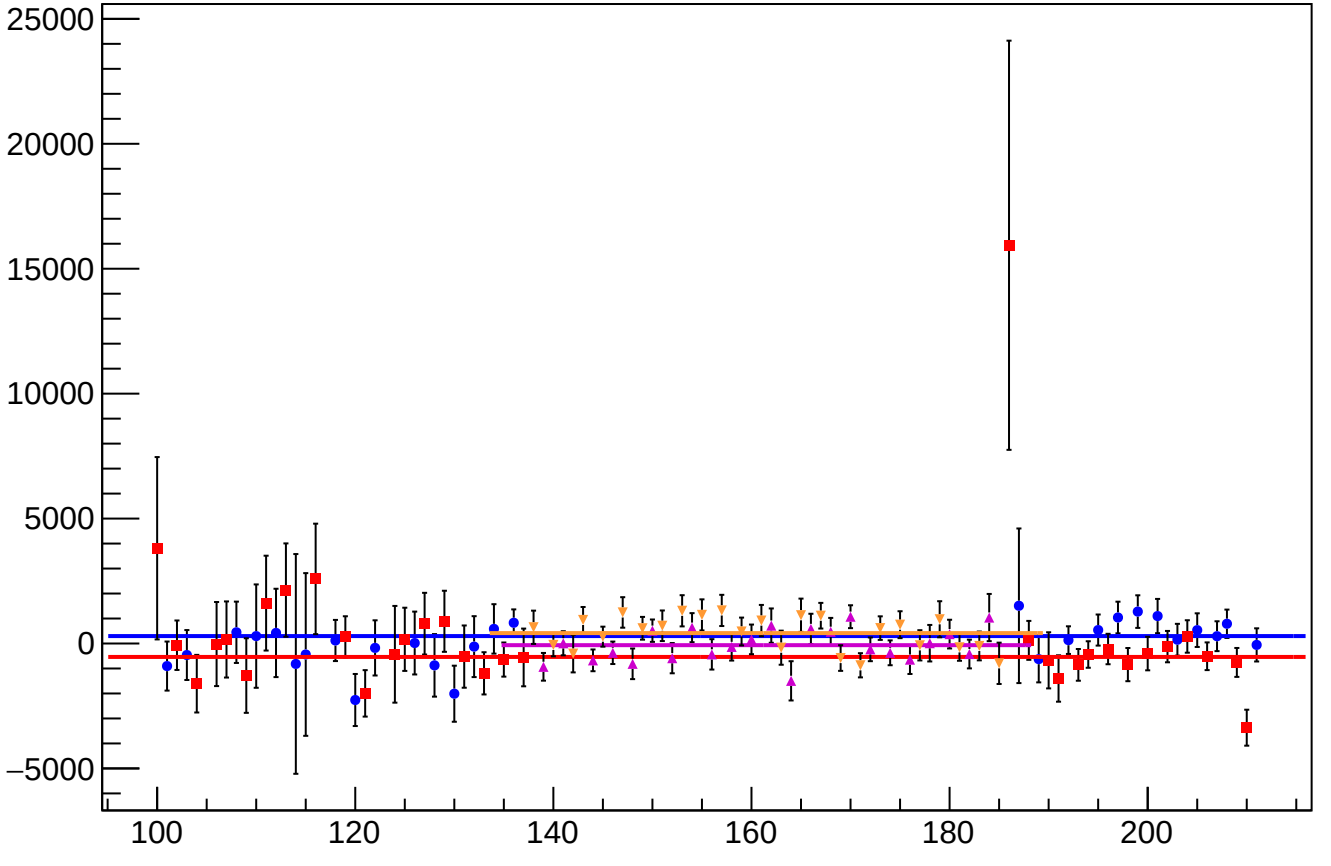
Right: 88.235+/-0.011 χ^2/NDF: 2618173.3/60

In: 87.088+/-0.011 χ^2/NDF:1689000.9/50

Out: 88.216+/-0.010 χ^2/NDF:2145101.4/57

All: 87.663+/-0.007 χ^2/NDF: 3839911.2/108

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 297.176+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -537.729+/-151.540 χ^2/NDF: 39.4/32

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

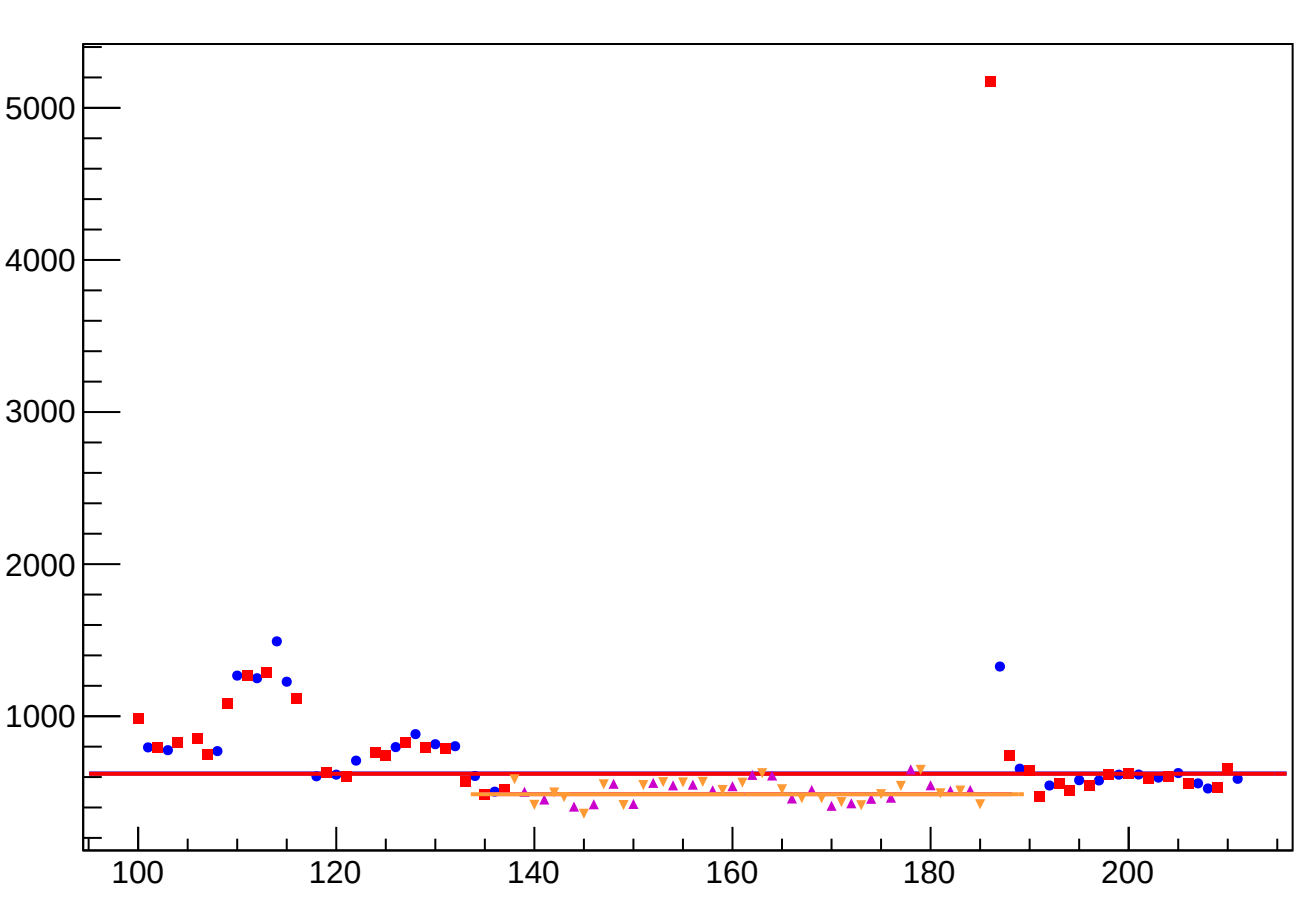
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -133.897+/-108.889 χ^2/NDF: 76.5/60

In: 61.436+/-92.904 χ^2/NDF:53.4/50

Out: 78.040+/-90.245 χ^2/NDF:97.4/57

All: 69.979+/-64.732 χ^2/NDF: 150.8/108



Right In: 623.425+/-0.111 χ^2/NDF: 1327343.2/27

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 621.705+/-0.107 χ^2/NDF: 2190203.7/32

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

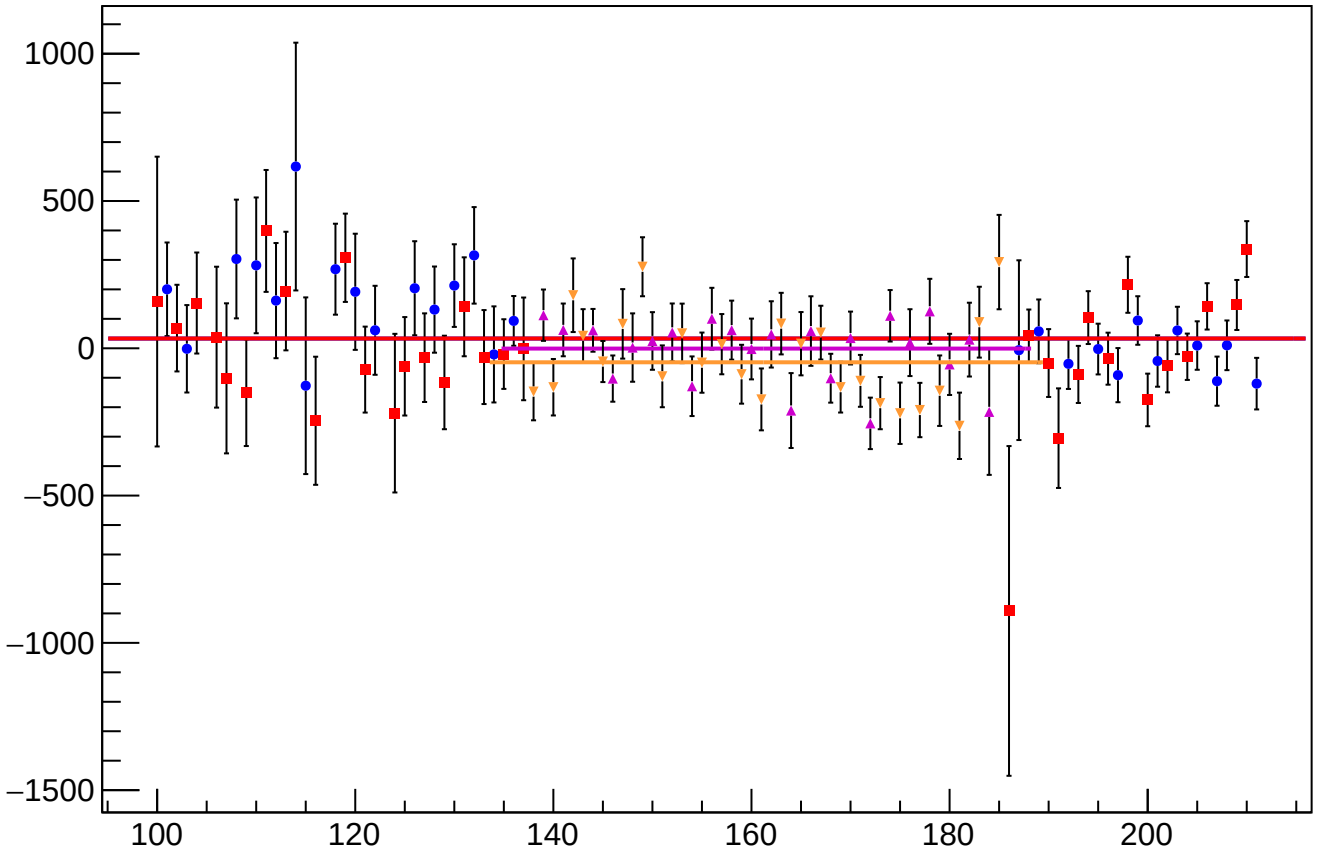
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 622.537+/-0.077 χ^2/NDF: 3517671.6/60

In: 535.637+/-0.066 χ^2/NDF:2932079.7/50

Out: 534.823+/-0.064 χ^2/NDF:4030102.9/57

All: 535.219+/-0.046 χ^2/NDF: 6962261.6/108



Right In: 33.026+/-21.732 χ^2/NDF: 27.3/27

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 33.228+/-21.557 χ^2/NDF: 49.2/32

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

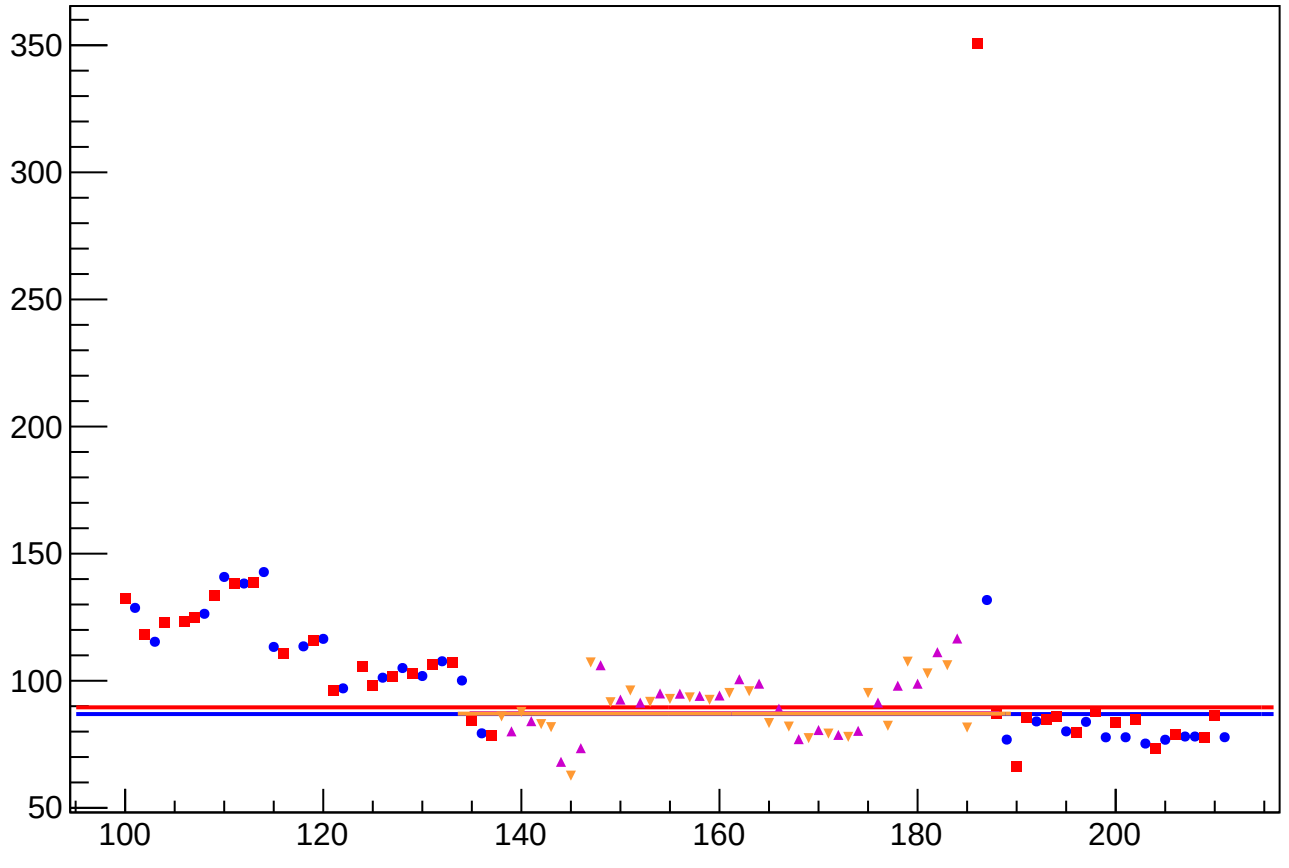
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 33.128+/-15.305 χ^2/NDF: 76.5/60

In: 15.113+/-14.952 χ^2/NDF:54.1/50

Out: -10.208+/-14.655 χ^2/NDF:100.7/57

All: 2.199+/-10.466 χ^2/NDF: 156.2/108



Right In: 86.900+/-0.015 χ^2/NDF: 1092924.1/27

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.548+/-0.015 χ^2/NDF: 1510283.6/32

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

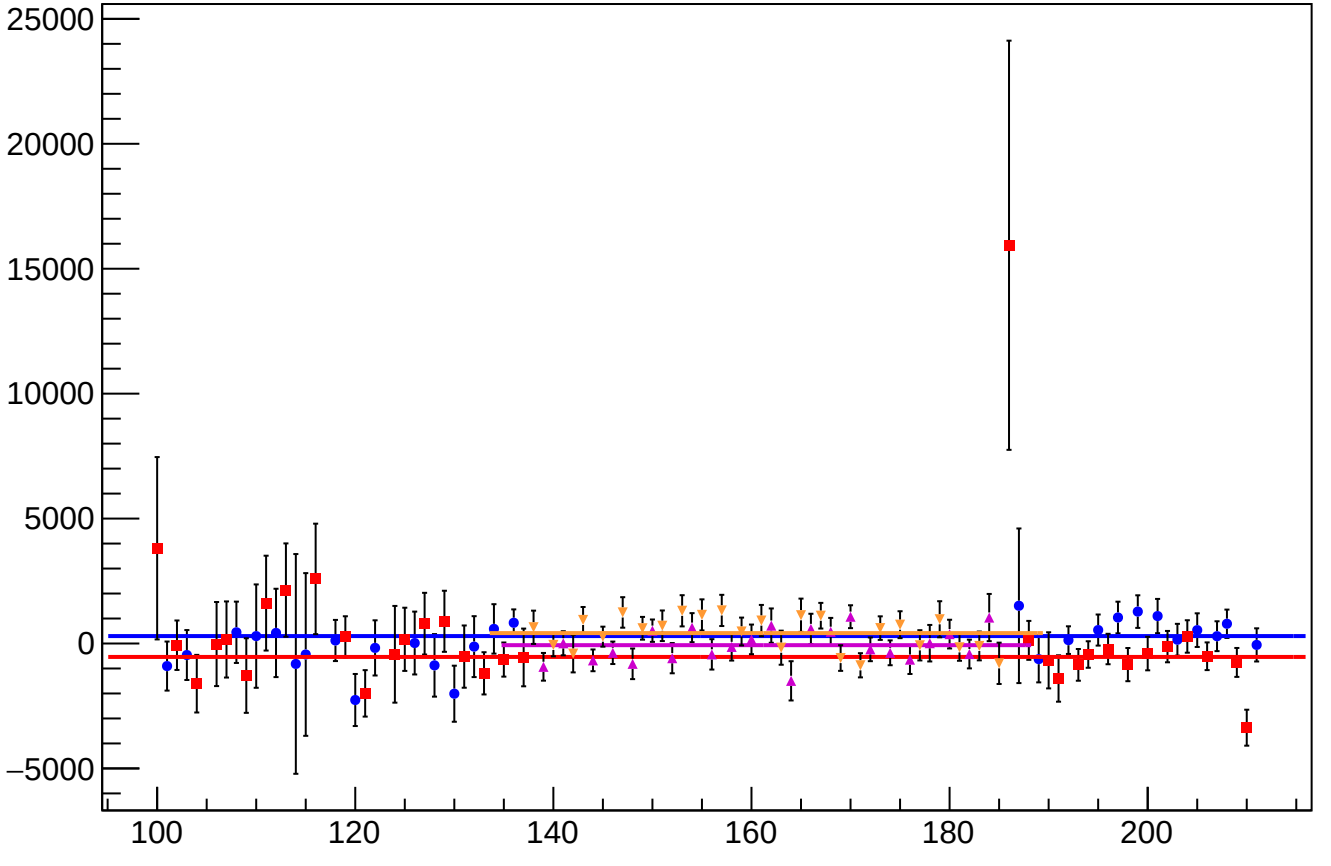
Right: 88.235+/-0.011 χ^2/NDF: 2618173.3/60

In: 87.088+/-0.011 χ^2/NDF:1689000.9/50

Out: 88.216+/-0.010 χ^2/NDF:2145101.4/57

All: 87.663+/-0.007 χ^2/NDF: 3839911.2/108

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 297.176+/-156.568 χ^2/NDF: 22.4/27

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -537.729+/-151.540 χ^2/NDF: 39.4/32

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

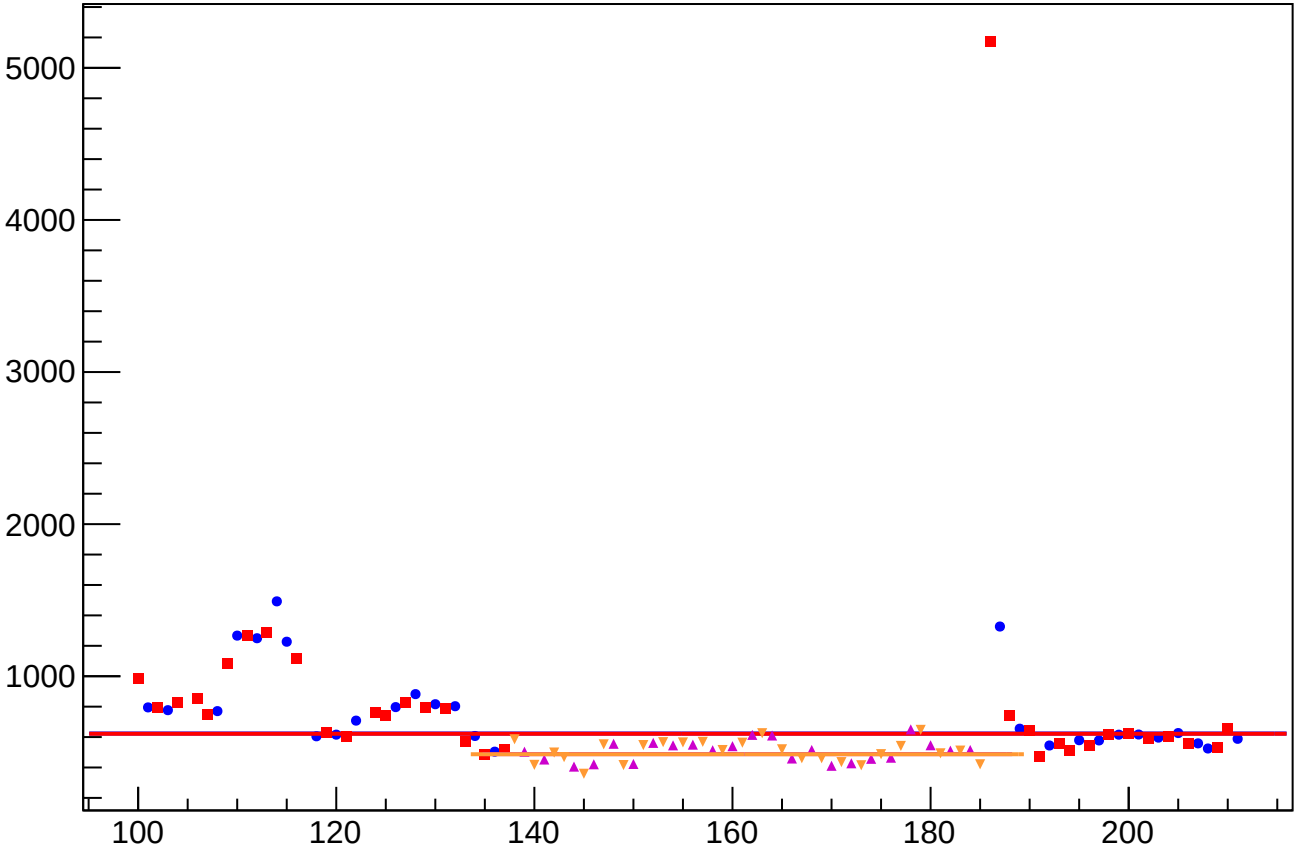
Right: -133.897+/-108.889 χ^2/NDF: 76.5/60

In: 61.436+/-92.904 χ^2/NDF:53.4/50

Out: 78.040+/-90.245 χ^2/NDF:97.4/57

All: 69.979+/-64.732 χ^2/NDF: 150.8/108

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.425+/-0.111 χ^2/NDF: 1327343.2/27

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 621.705+/-0.107 χ^2/NDF: 2190203.7/32

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

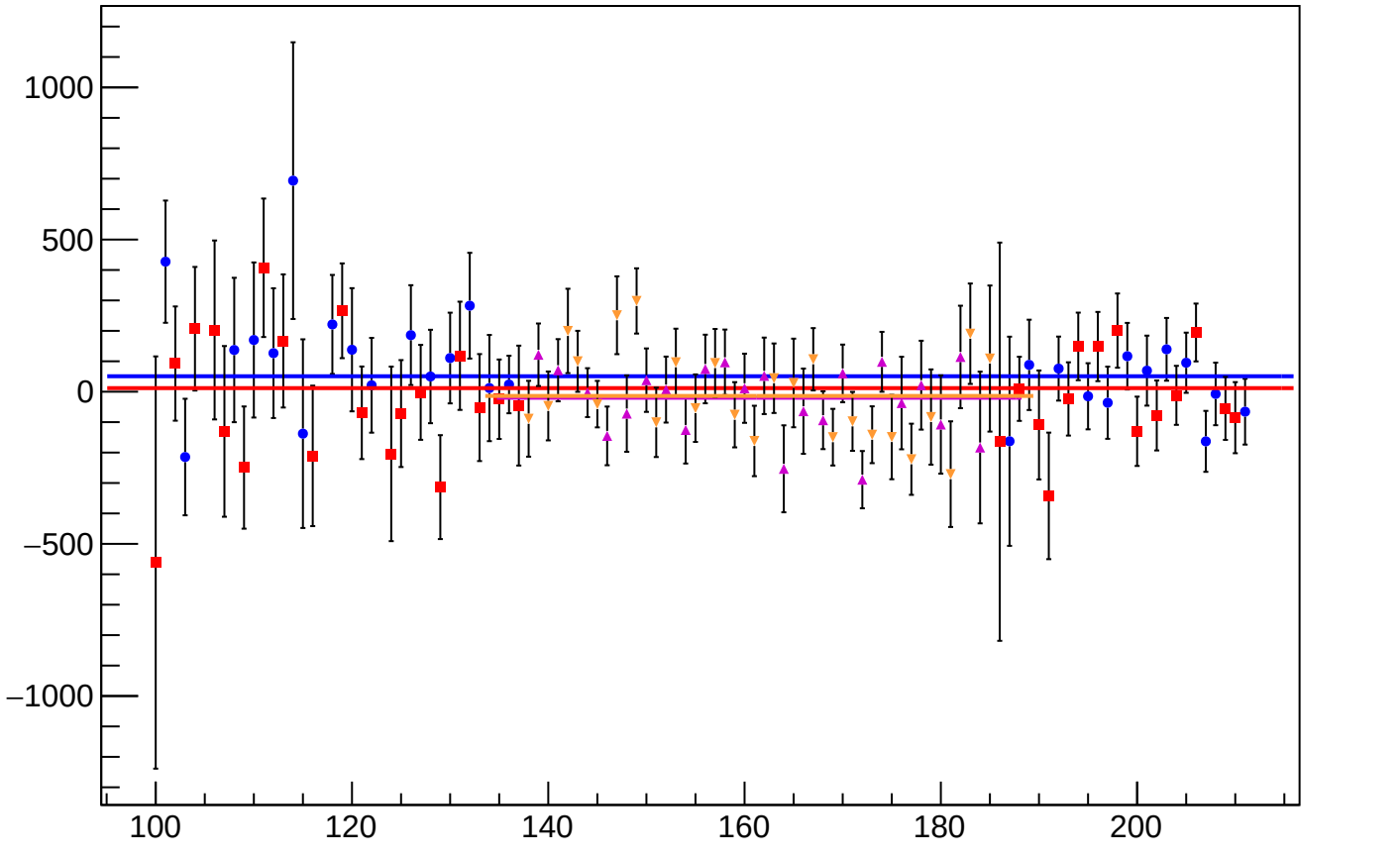
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 622.537+/-0.077 χ^2/NDF: 3517671.6/60

In: 535.637+/-0.066 χ^2/NDF:2932079.7/50

Out: 534.823+/-0.064 χ^2/NDF:4030102.9/57

All: 535.219+/-0.046 χ^2/NDF: 6962261.6/108



Right In: 50.839+/-26.139 χ^2/NDF: 21.1/27

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 11.790+/-25.875 χ^2/NDF: 32.6/32

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

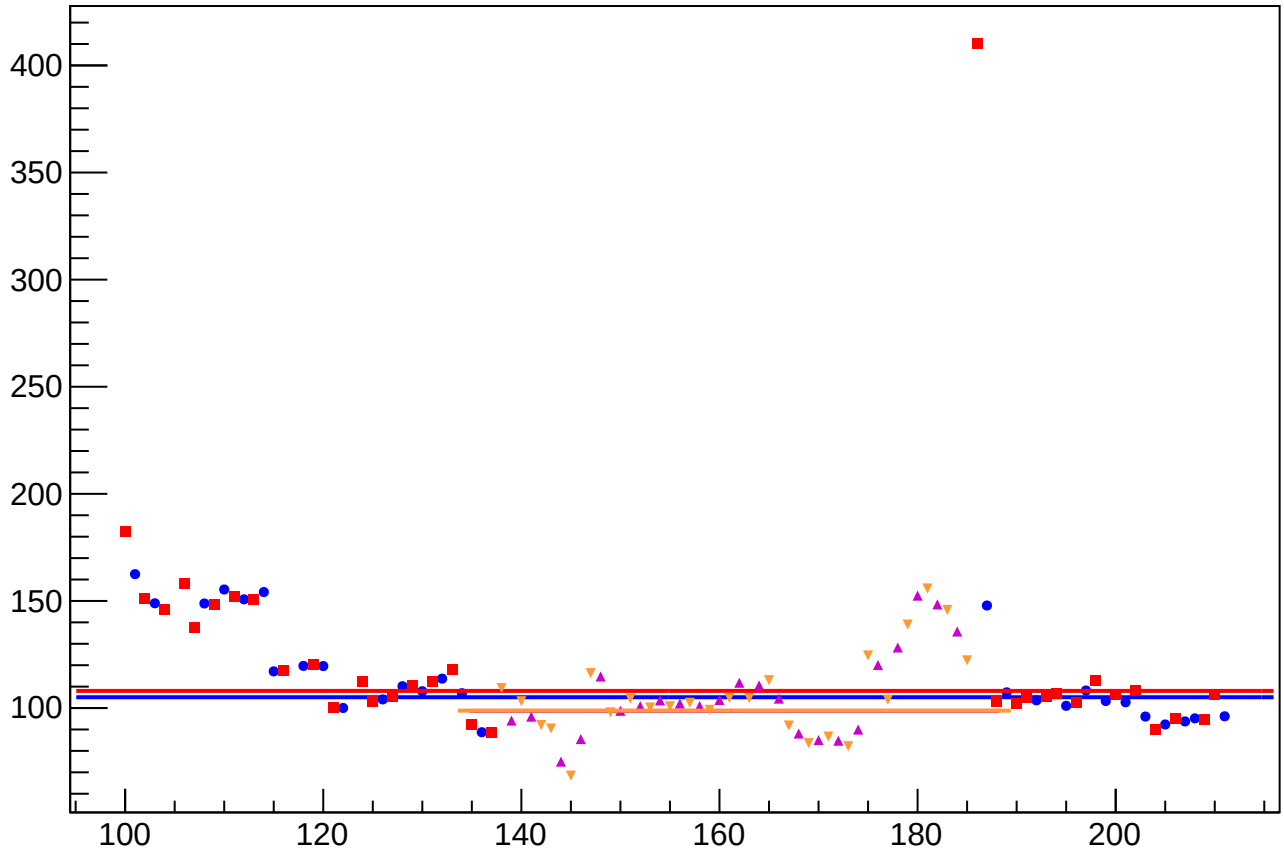
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 31.117+/-18.389 χ^2/NDF: 54.9/60

In: 11.878+/-17.505 χ^2/NDF:48.5/50

Out: -2.609+/-17.155 χ^2/NDF:69.5/57

All: 4.488+/-12.252 χ^2/NDF: 118.4/108



Right In: 105.050+/-0.018 χ^2/NDF: 772549.0/27

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 108.009+/-0.018 χ^2/NDF: 1174571.6/32

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

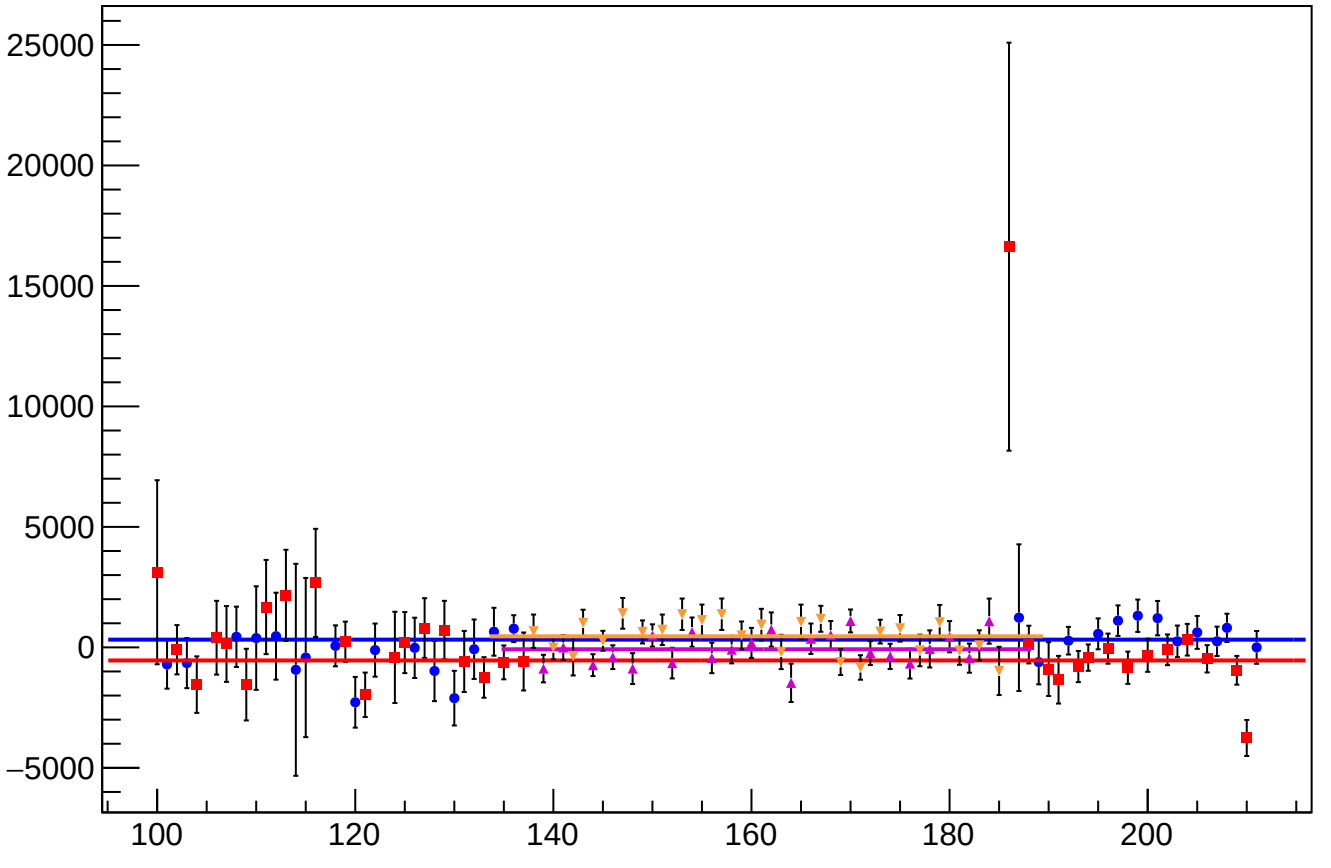
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 106.545+/-0.013 χ^2/NDF: 1960065.6/60

In: 101.533+/-0.012 χ^2/NDF:1826028.9/50

Out: 102.848+/-0.012 χ^2/NDF:2502402.6/57

All: 102.204+/-0.009 χ^2/NDF: 4334183.9/108



Right In: 321.290+/-160.342 χ^2/NDF: 22.7/27

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -542.344+/-154.370 χ^2/NDF: 42.7/32

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

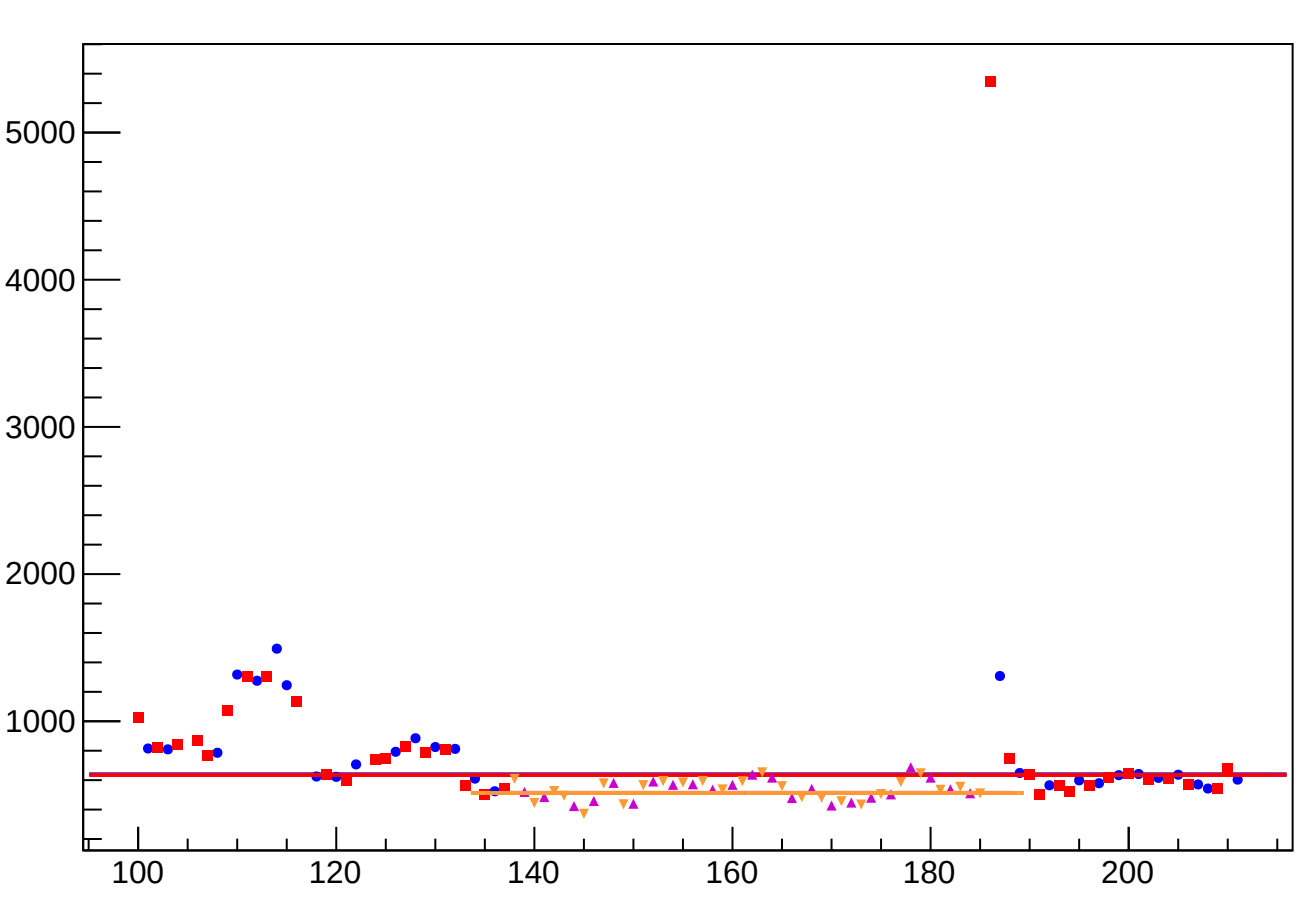
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -126.910+/-111.207 χ^2/NDF: 80.5/60

In: 67.043+/-96.806 χ^2/NDF:52.9/50

Out: 89.316+/-93.804 χ^2/NDF:100.0/57

All: 78.530+/-67.366 χ^2/NDF: 152.9/108



Right In: 639.234+/-0.113 χ^2/NDF: 1270983.2/27

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 635.299+/-0.109 χ^2/NDF: 2134470.8/32

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

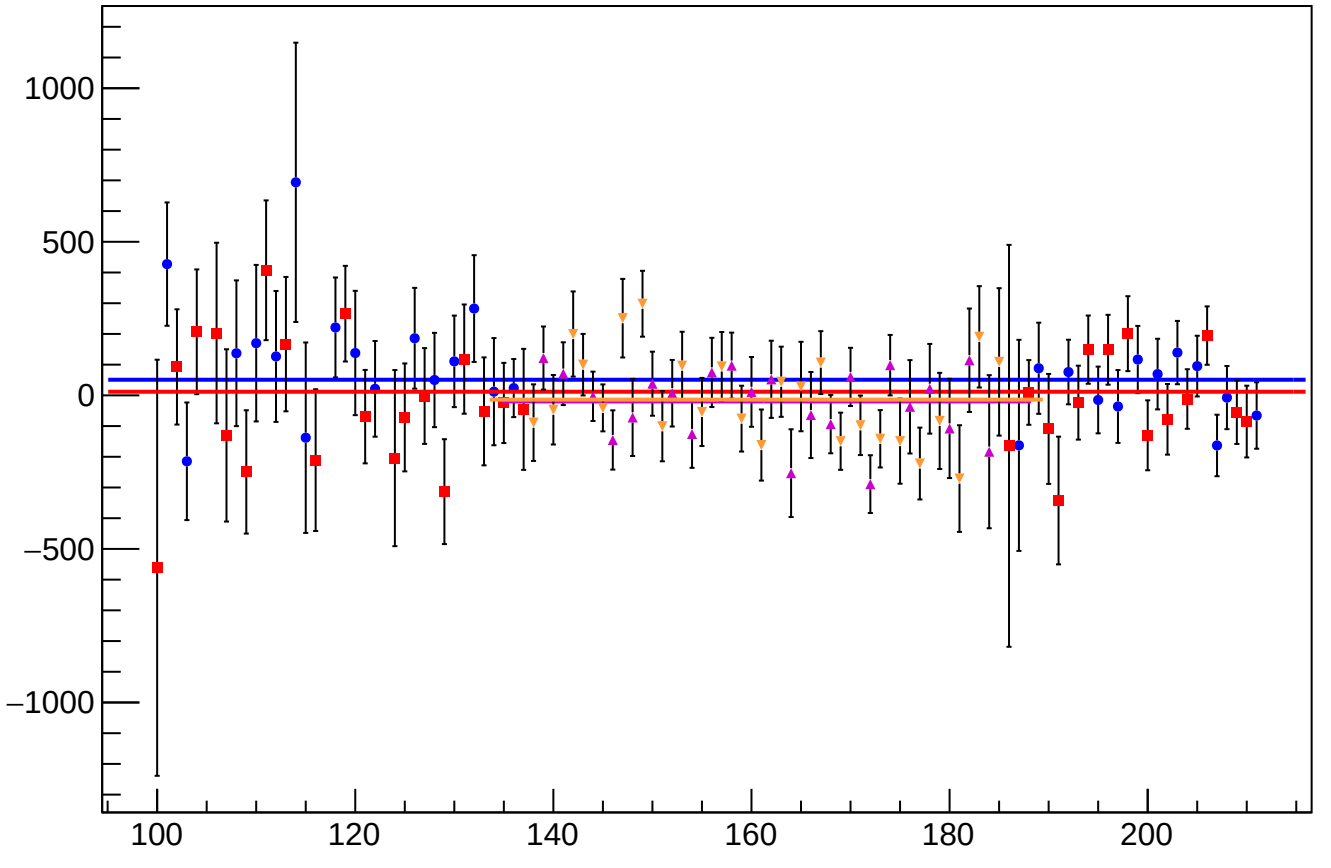
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 637.192+/-0.079 χ^2/NDF: 3406079.0/60

In: 559.252+/-0.068 χ^2/NDF:2688078.0/50

Out: 558.013+/-0.066 χ^2/NDF:3728506.1/57

All: 558.613+/-0.048 χ^2/NDF: 6416753.2/108



Right In: 50.839+/-26.139 χ^2/NDF: 21.1/27

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 11.791+/-25.875 χ^2/NDF: 32.6/32

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

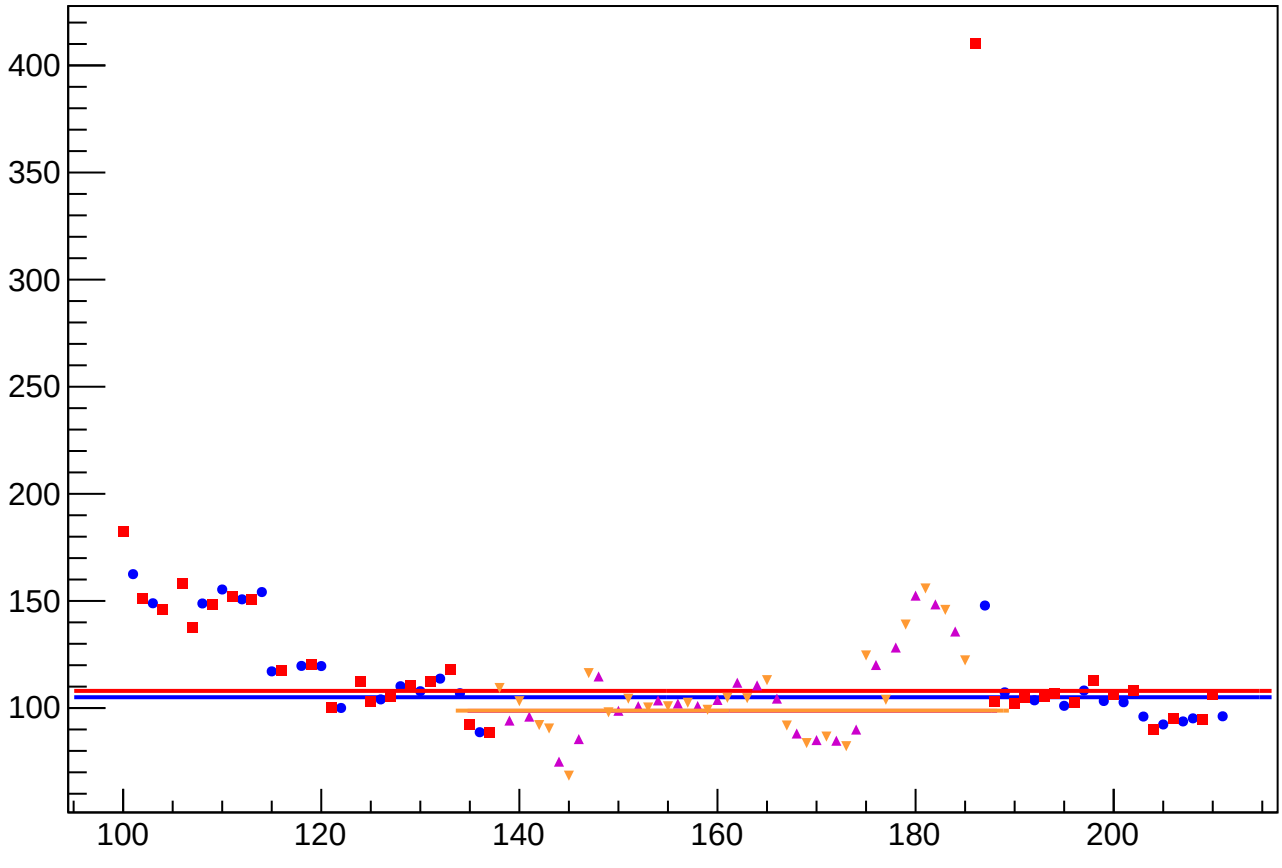
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 31.117+/-18.389 χ^2/NDF: 54.9/60

In: 11.877+/-17.505 χ^2/NDF:48.5/50

Out: -2.610+/-17.155 χ^2/NDF:69.5/57

All: 4.487+/-12.252 χ^2/NDF: 118.4/108



Right In: 105.050+/-0.018 χ^2/NDF: 772539.4/27

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 108.009+/-0.018 χ^2/NDF: 1174558.8/32

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

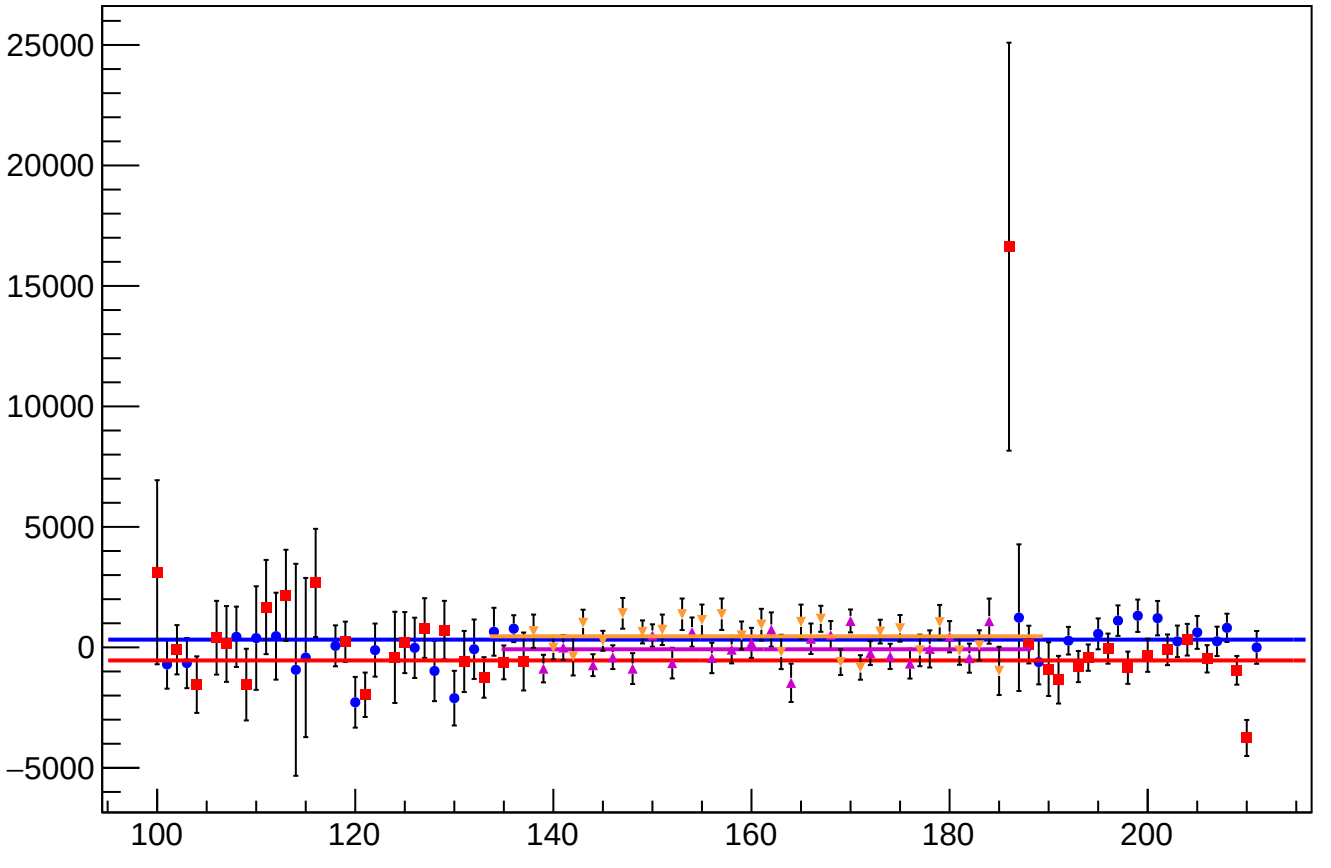
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 106.545+/-0.013 χ^2/NDF: 1960043.2/60

In: 101.533+/-0.012 χ^2/NDF:1826012.4/50

Out: 102.848+/-0.012 χ^2/NDF:2502397.4/57

All: 102.204+/-0.009 χ^2/NDF: 4334162.0/108



Right In: 321.290+/-160.342 χ^2/NDF: 22.7/27

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -542.342+/-154.370 χ^2/NDF: 42.7/32

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

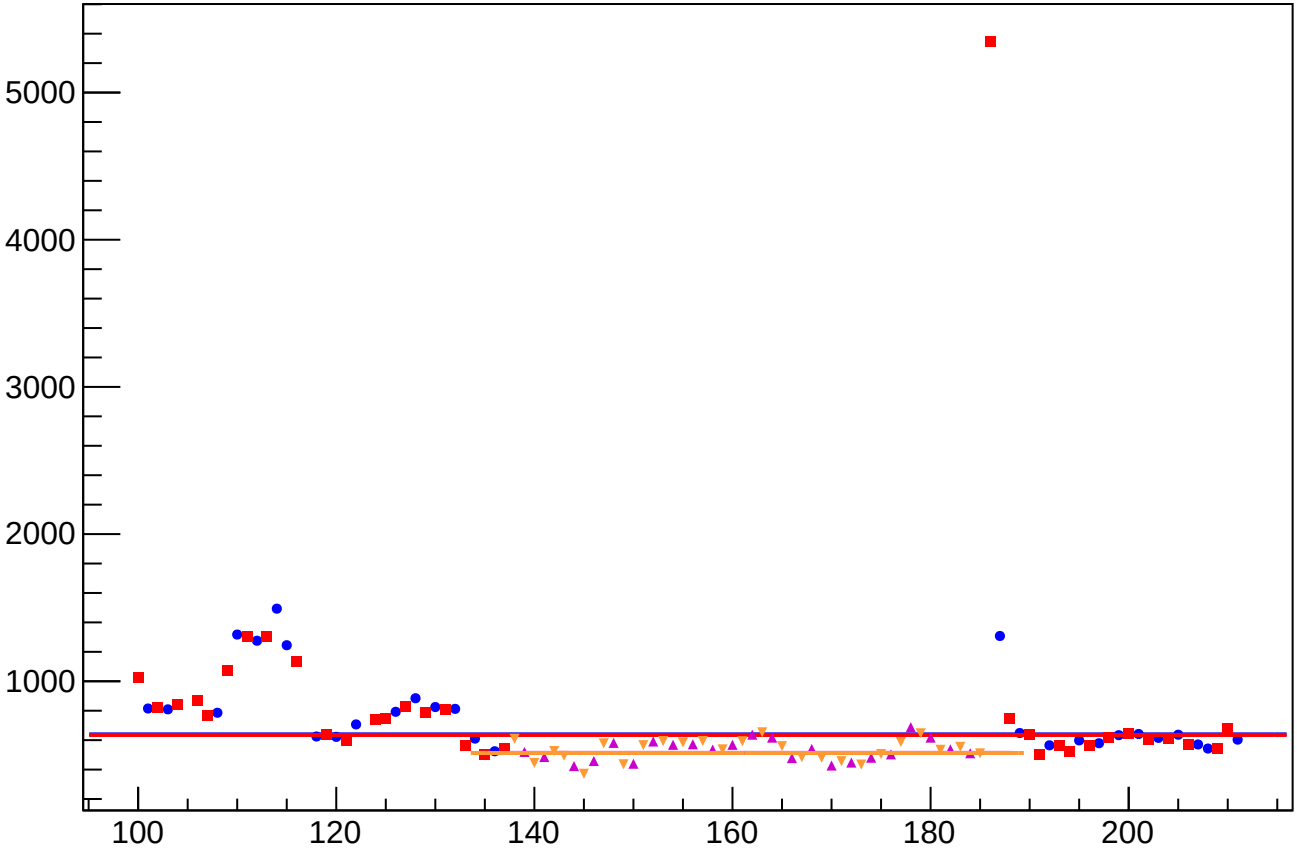
Right: -126.909+/-111.207 χ^2/NDF: 80.5/60

In: 67.044+/-96.806 χ^2/NDF:52.9/50

Out: 89.315+/-93.804 χ^2/NDF:100.0/57

All: 78.530+/-67.366 χ^2/NDF: 152.9/108

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 639.233+/-0.113 χ^2/NDF: 1270979.3/27

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 635.298+/-0.109 χ^2/NDF: 2134466.4/32

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

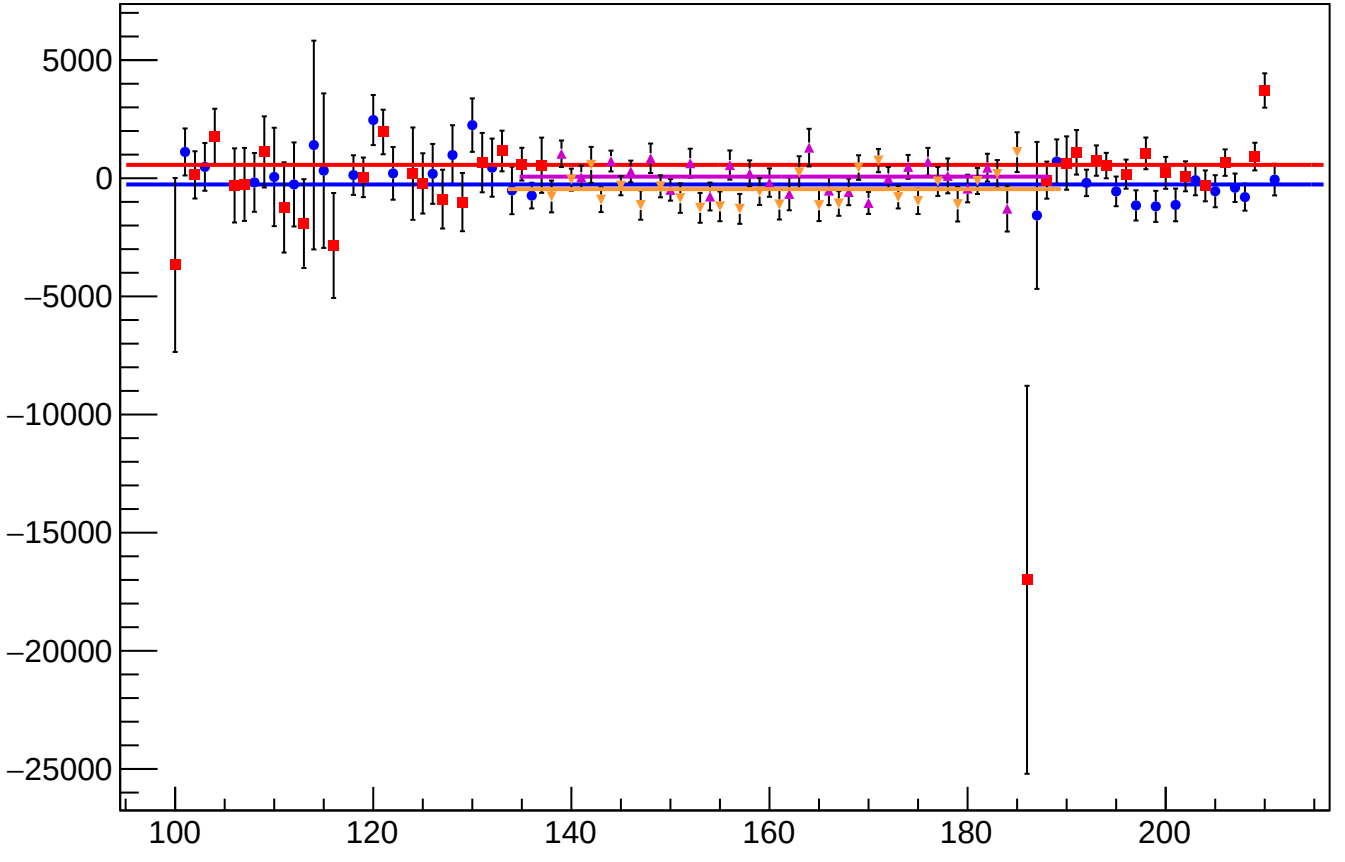
Right: 637.191+/-0.079 χ^2/NDF: 3406070.8/60

In: 559.251+/-0.068 χ^2/NDF:2688066.1/50

Out: 558.012+/-0.066 χ^2/NDF:3728491.7/57

All: 558.612+/-0.048 χ^2/NDF: 6416726.9/108

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -262.624+/-158.231 χ^2/NDF: 25.1/27

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 566.234+/-153.132 χ^2/NDF: 43.2/32

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

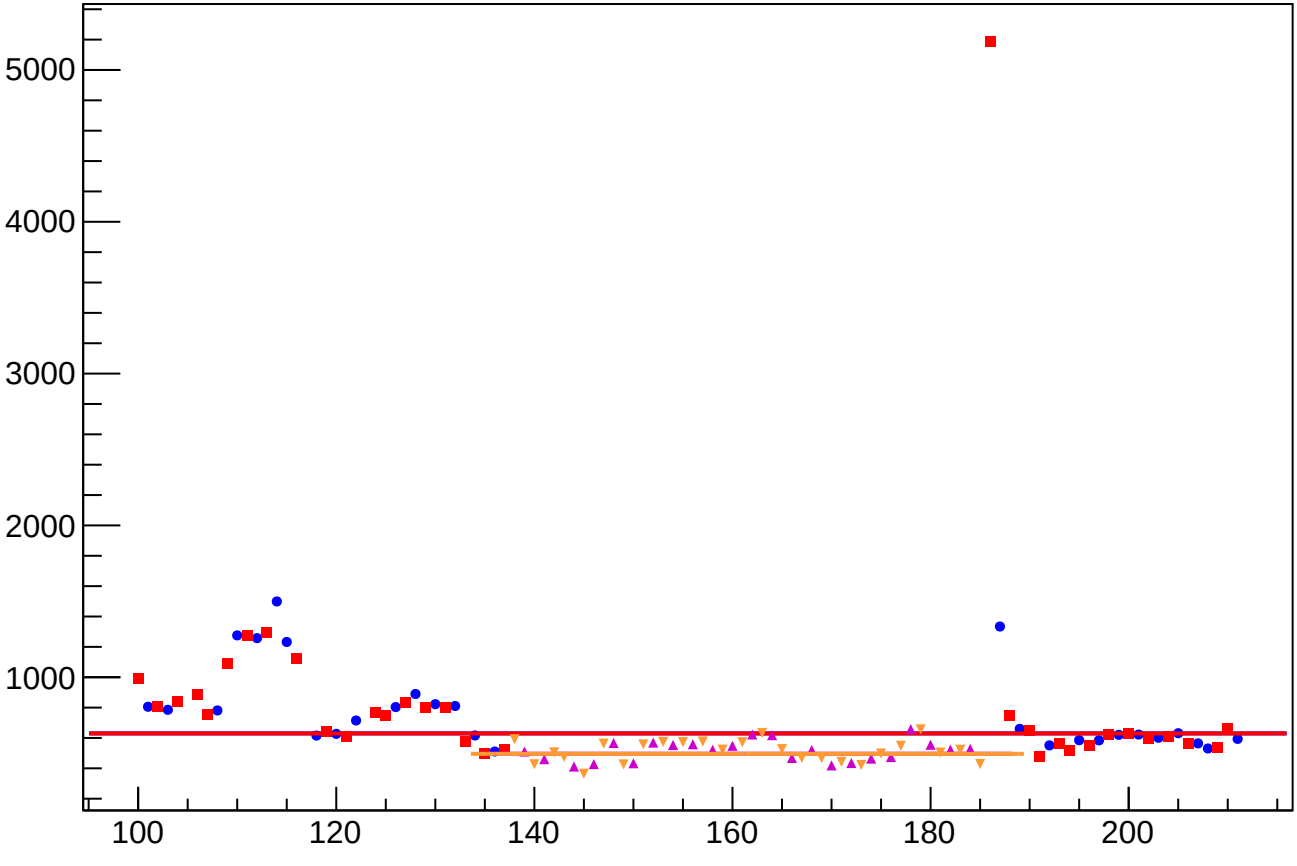
Right: 165.376+/-110.039 χ^2/NDF: 82.4/60

In: -49.315+/-94.265 χ^2/NDF:56.5/50

Out: -93.007+/-91.563 χ^2/NDF:102.9/57

All: -71.796+/-65.679 χ^2/NDF: 159.5/108

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 630.202+/-0.112 χ^2/NDF: 1316346.4/27

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 629.556+/-0.108 χ^2/NDF: 2185156.7/32

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

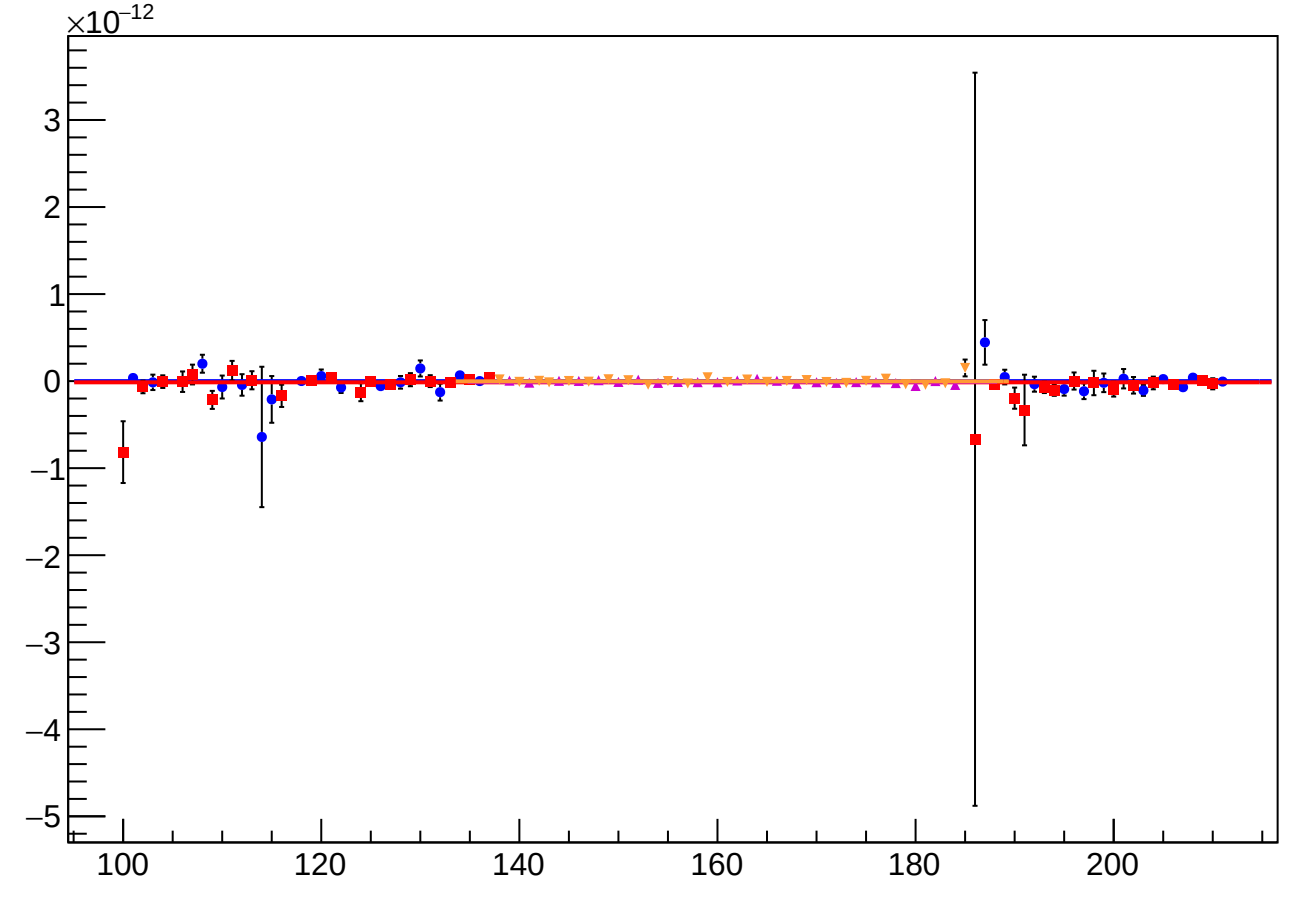
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 629.868+/-0.078 χ^2/NDF: 3501520.3/60

In: 543.828+/-0.067 χ^2/NDF:2862532.4/50

Out: 543.437+/-0.065 χ^2/NDF:3974361.4/57

All: 543.627+/-0.046 χ^2/NDF: 6836911.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/32

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

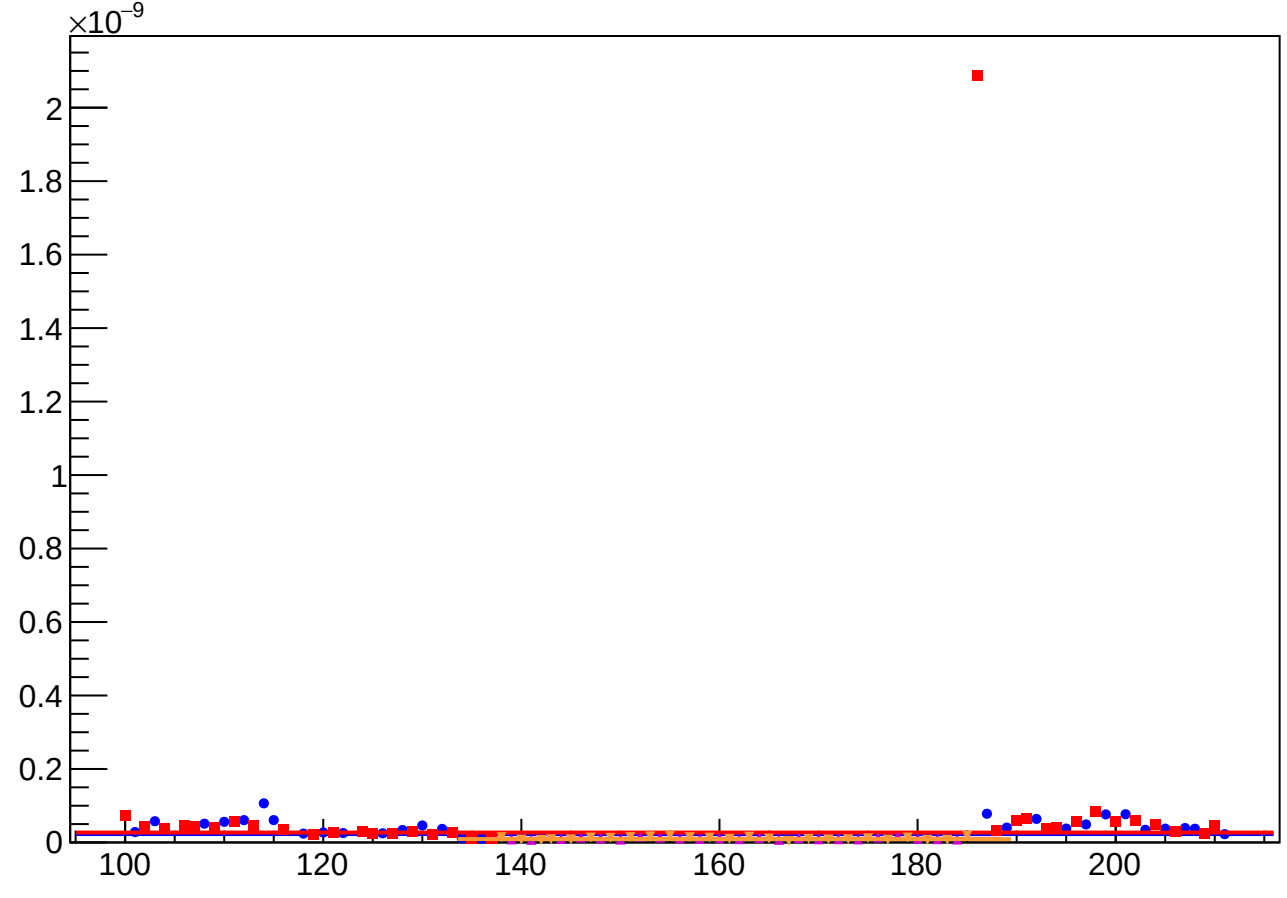
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 57.0/60

In: -0.000+/-0.000 χ^2/NDF:45.9/50

Out: -0.000+/-0.000 χ^2/NDF:52.5/57

All: -0.000+/-0.000 χ^2/NDF: 98.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 5221532.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4245391.4/32

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

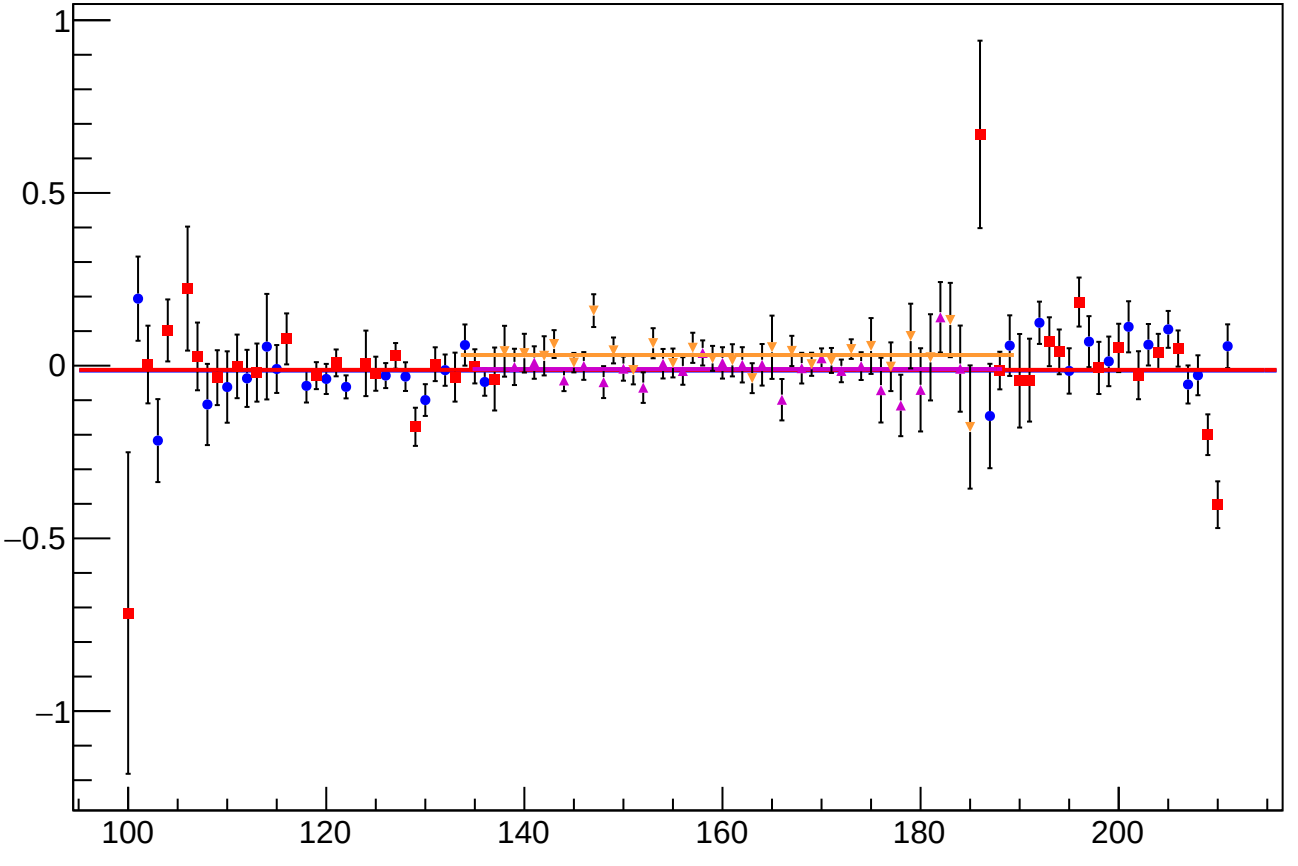
Right: 0.000+/-0.000 χ^2/NDF: 9626632.7/60

In: 0.000+/-0.000 χ^2/NDF:8877588.5/50

Out: 0.000+/-0.000 χ^2/NDF:10989682.4/57

All: 0.000+/-0.000 χ^2/NDF: 19884538.2/108

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

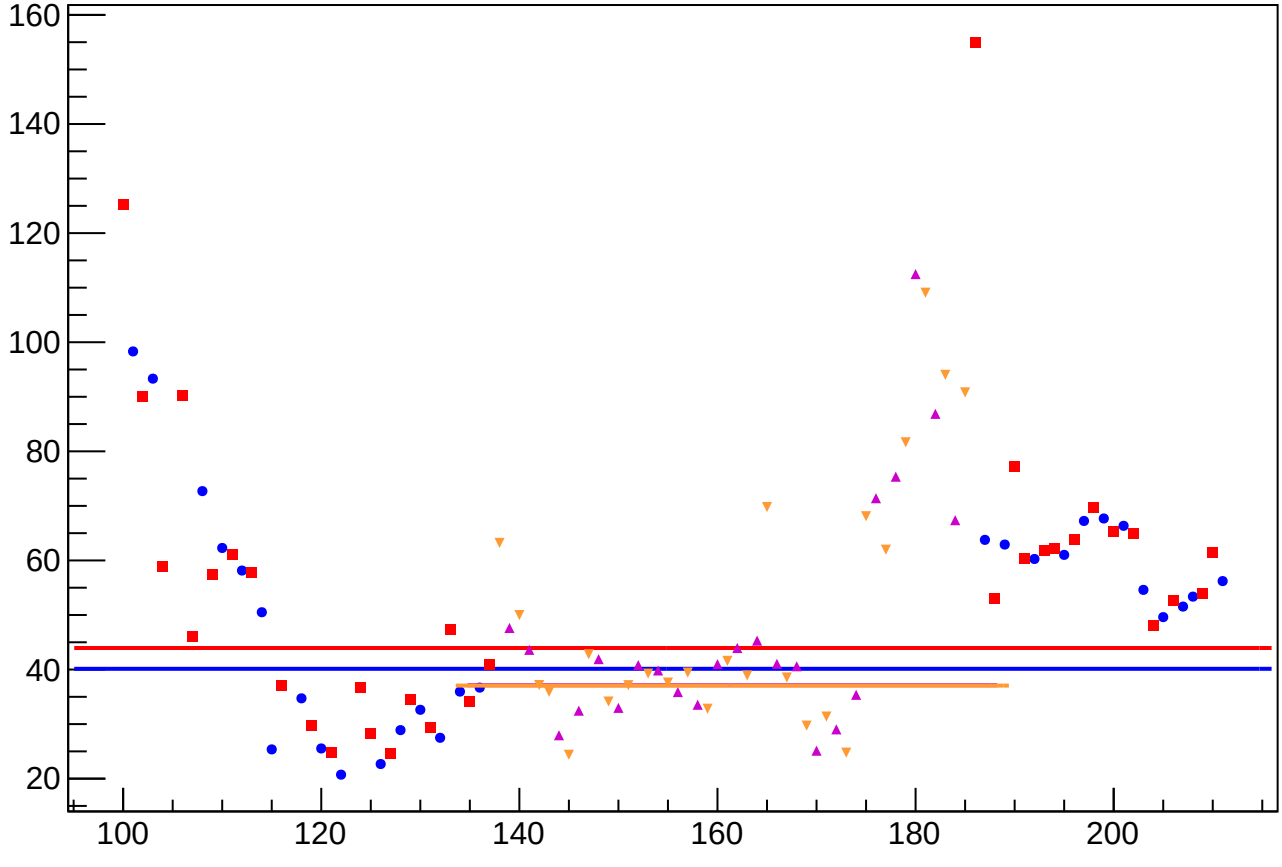
Right: -0.013+/-0.008 χ^2/NDF: 116.5/60

In: -0.012+/-0.007 χ^2/NDF:48.7/50

Out: 0.014+/-0.007 χ^2/NDF:107.7/57

All: 0.001+/-0.005 χ^2/NDF: 162.8/108

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.136+/-0.008 χ^2/NDF: 4979185.7/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.949+/-0.008 χ^2/NDF: 4465775.6/32

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

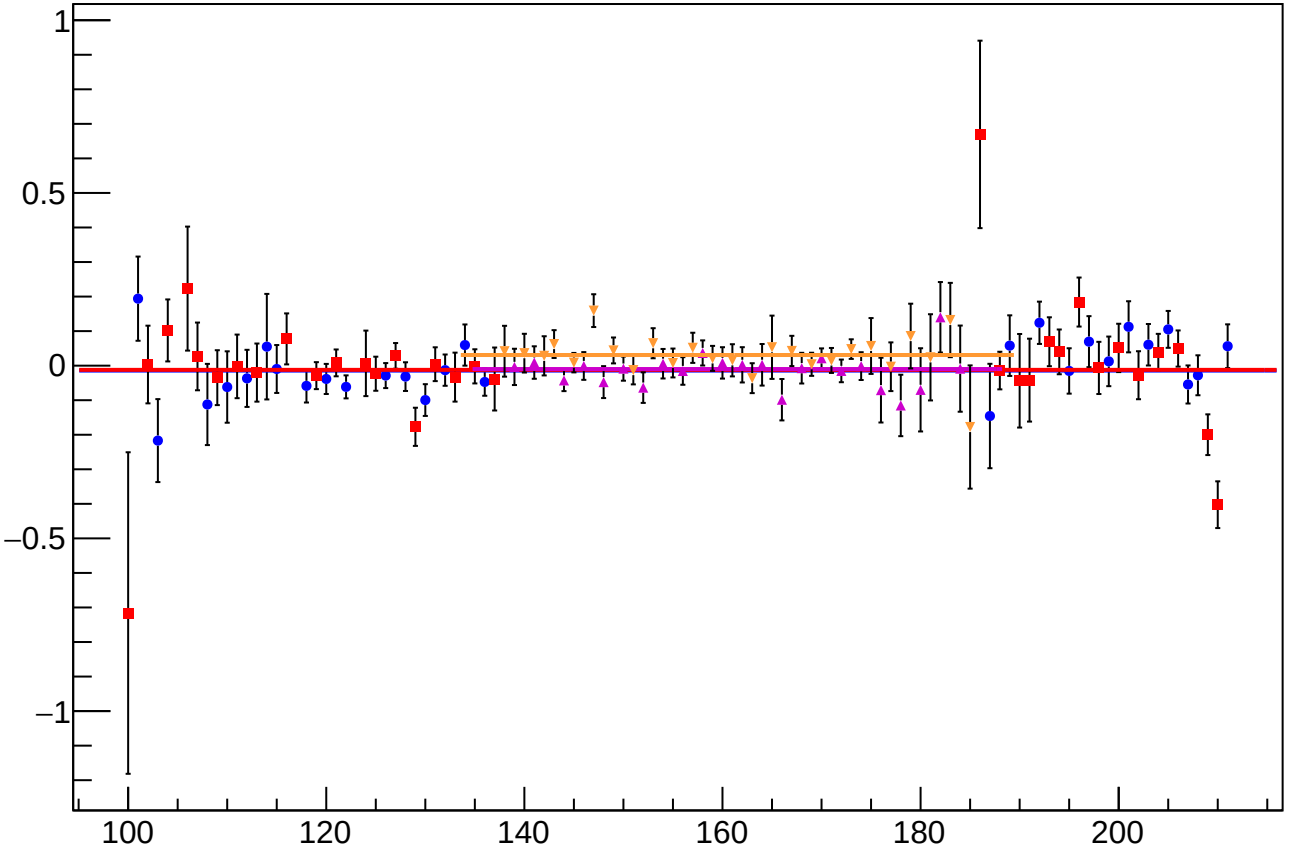
Right: 41.973+/-0.006 χ^2/NDF: 9564159.9/60

In: 38.415+/-0.005 χ^2/NDF:8080186.0/50

Out: 39.795+/-0.005 χ^2/NDF:8972463.5/57

All: 39.105+/-0.004 χ^2/NDF: 17090535.1/108

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

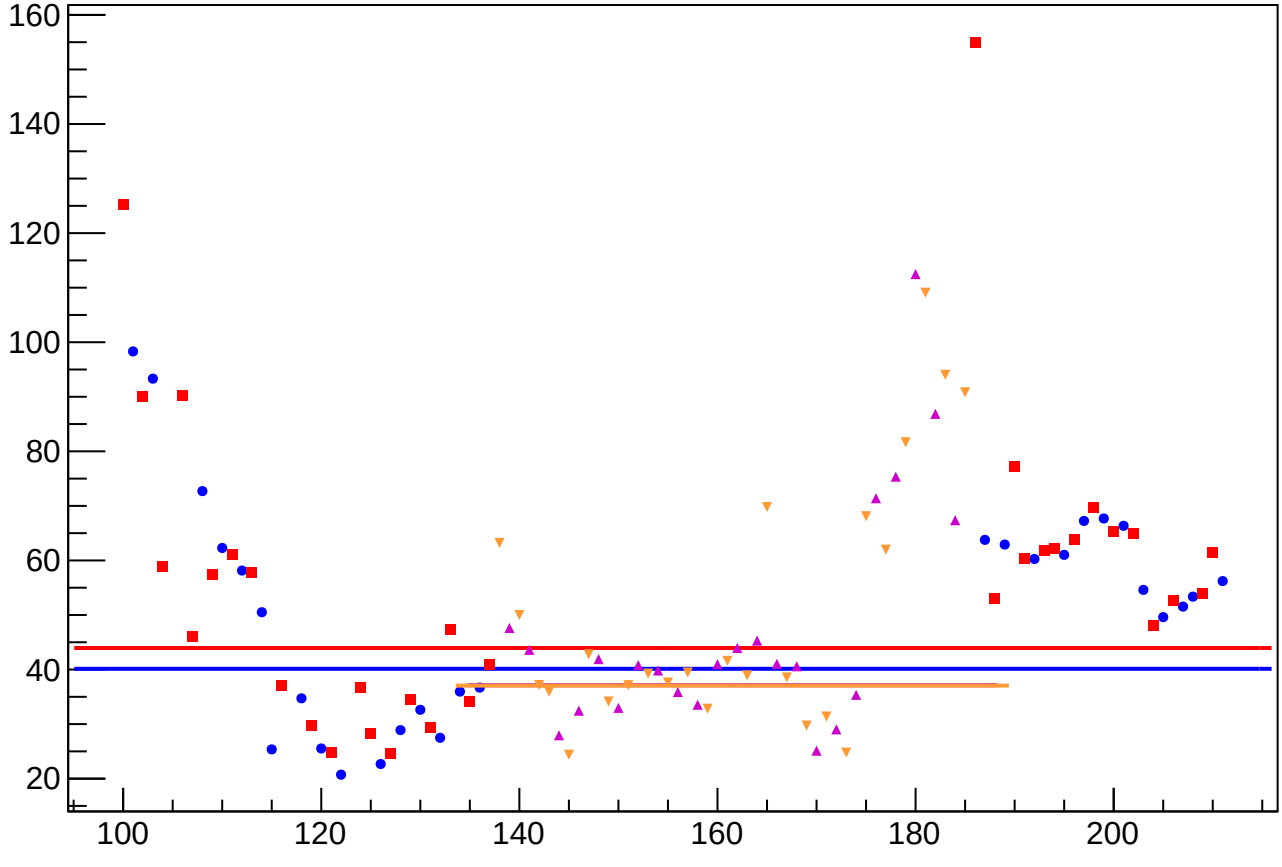
Right: -0.013+/-0.008 χ^2/NDF: 116.5/60

In: -0.012+/-0.007 χ^2/NDF:48.7/50

Out: 0.014+/-0.007 χ^2/NDF:107.7/57

All: 0.001+/-0.005 χ^2/NDF: 162.8/108

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.136+/-0.008 χ^2/NDF: 4979185.7/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.949+/-0.008 χ^2/NDF: 4465775.6/32

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

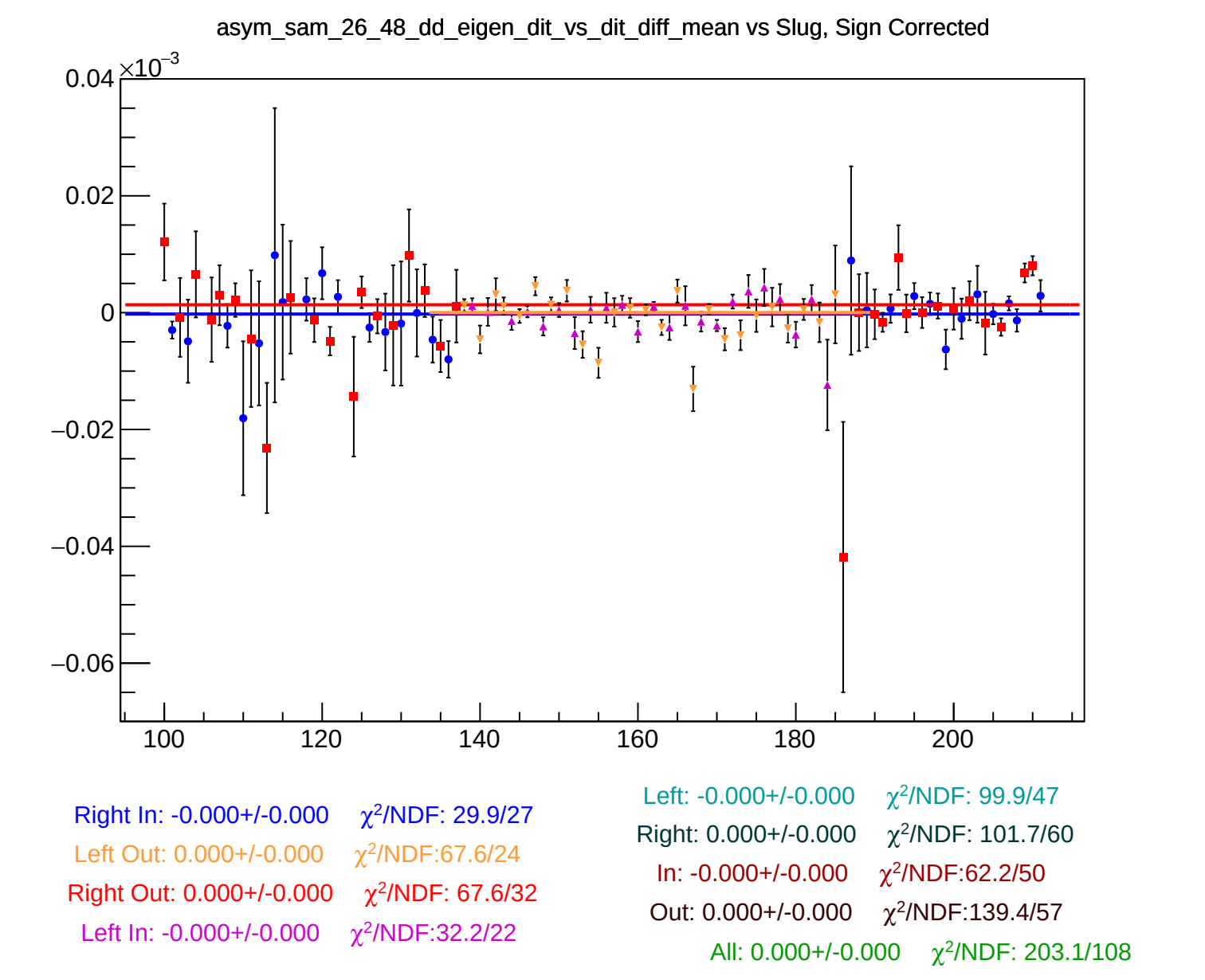
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

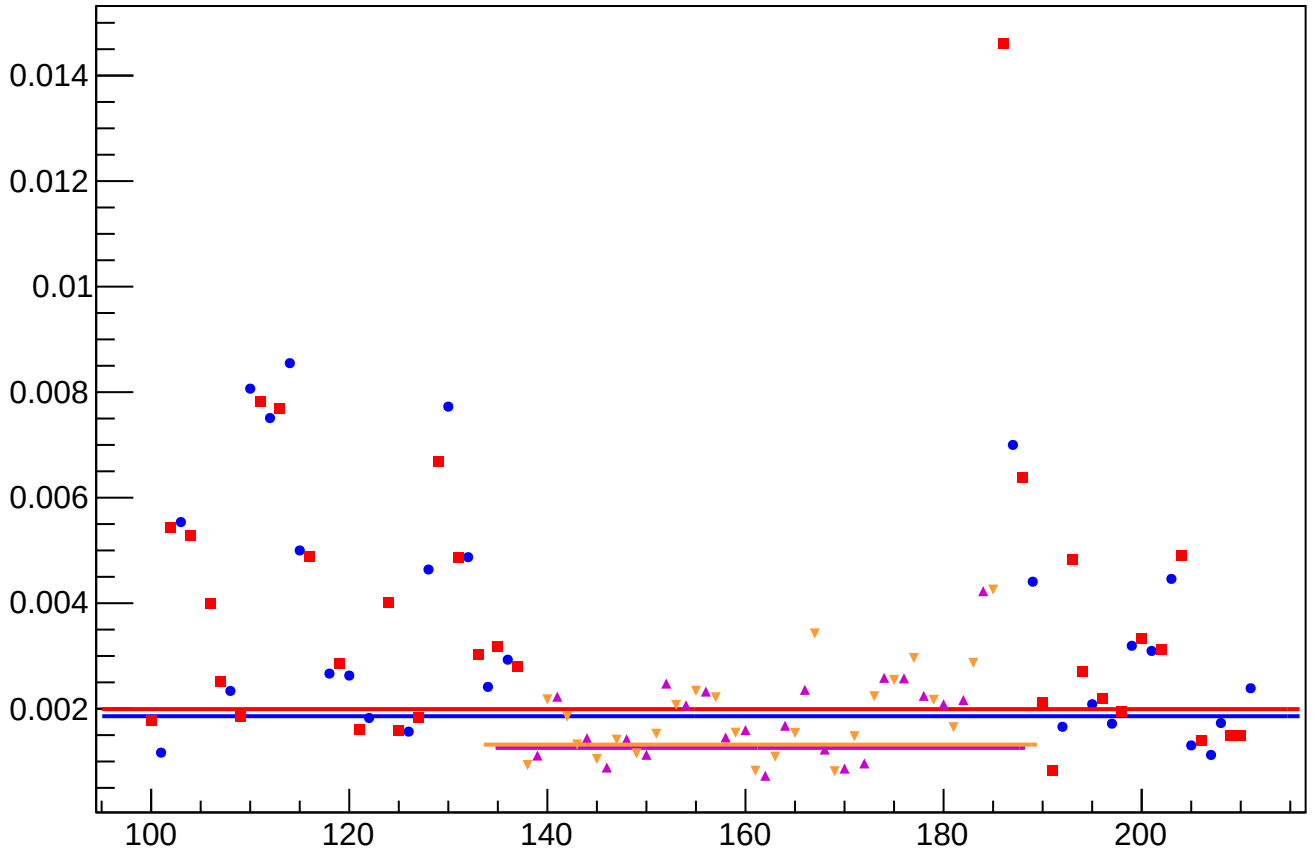
Right: 41.973+/-0.006 χ^2/NDF: 9564159.9/60

In: 38.415+/-0.005 χ^2/NDF:8080186.0/50

Out: 39.795+/-0.005 χ^2/NDF:8972463.5/57

All: 39.105+/-0.004 χ^2/NDF: 17090535.1/108


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.9/27
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 67.6/32
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: 0.000+/-0.000 χ²/NDF: 101.7/60
In: -0.000+/-0.000 χ²/NDF:62.2/50
Out: 0.000+/-0.000 χ²/NDF:139.4/57
All: 0.000+/-0.000 χ²/NDF: 203.1/108



Right In: 0.002+/-0.000 χ^2/NDF: 6774832.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8500607.3/32

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

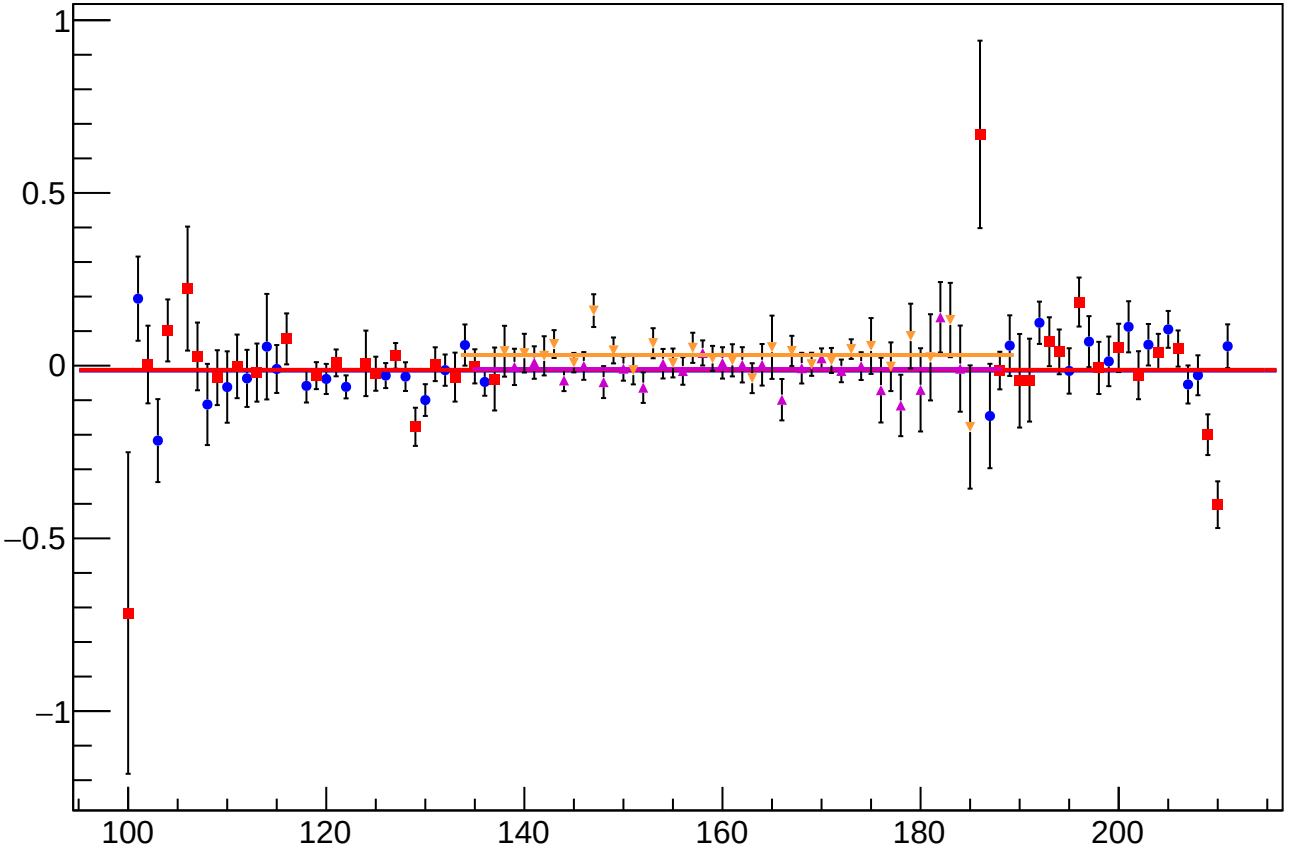
Right: 0.002+/-0.000 χ^2/NDF: 15336741.8/60

In: 0.001+/-0.000 χ^2/NDF:13978633.5/50

Out: 0.001+/-0.000 χ^2/NDF:16308939.3/57

All: 0.001+/-0.000 χ^2/NDF: 30357378.2/108

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

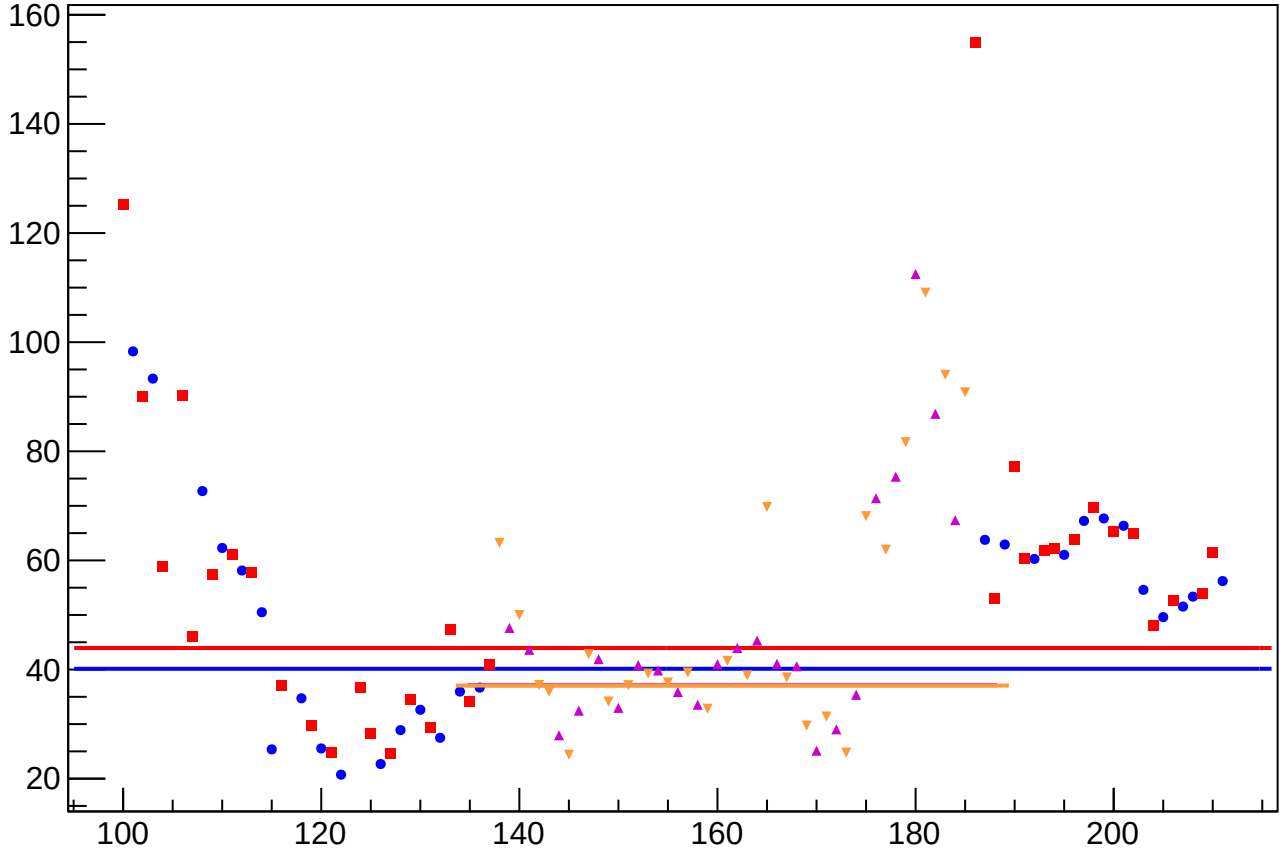
Right: -0.013+/-0.008 χ^2/NDF: 116.5/60

In: -0.012+/-0.007 χ^2/NDF:48.7/50

Out: 0.014+/-0.007 χ^2/NDF:107.7/57

All: 0.001+/-0.005 χ^2/NDF: 162.8/108

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.137+/-0.008 χ^2/NDF: 4979068.6/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.950+/-0.008 χ^2/NDF: 4465557.7/32

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

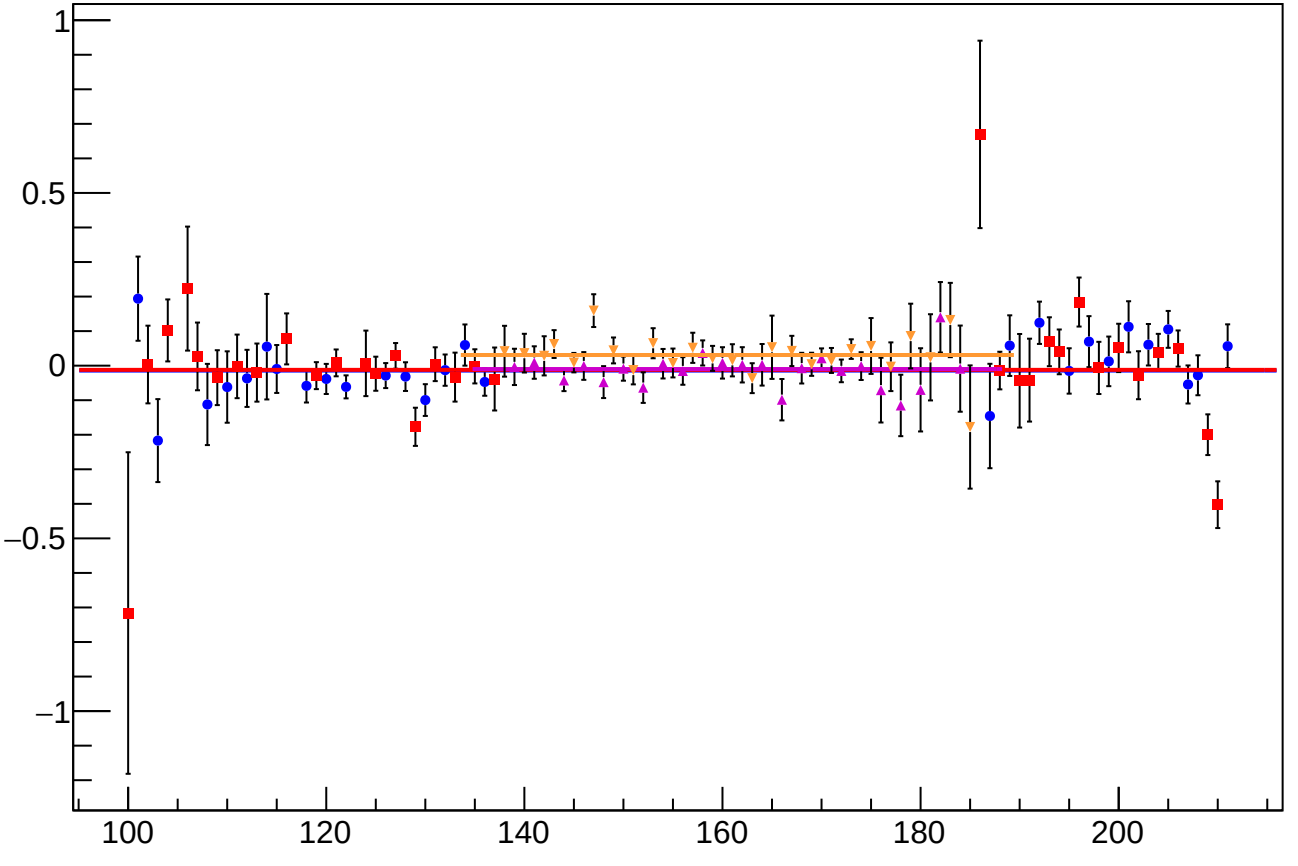
Right: 41.973+/-0.006 χ^2/NDF: 9563828.2/60

In: 38.415+/-0.005 χ^2/NDF:8080062.0/50

Out: 39.795+/-0.005 χ^2/NDF:8972308.5/57

All: 39.105+/-0.004 χ^2/NDF: 17090257.0/108

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 35.4/27

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.012+/-0.011 χ^2/NDF: 81.0/32

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

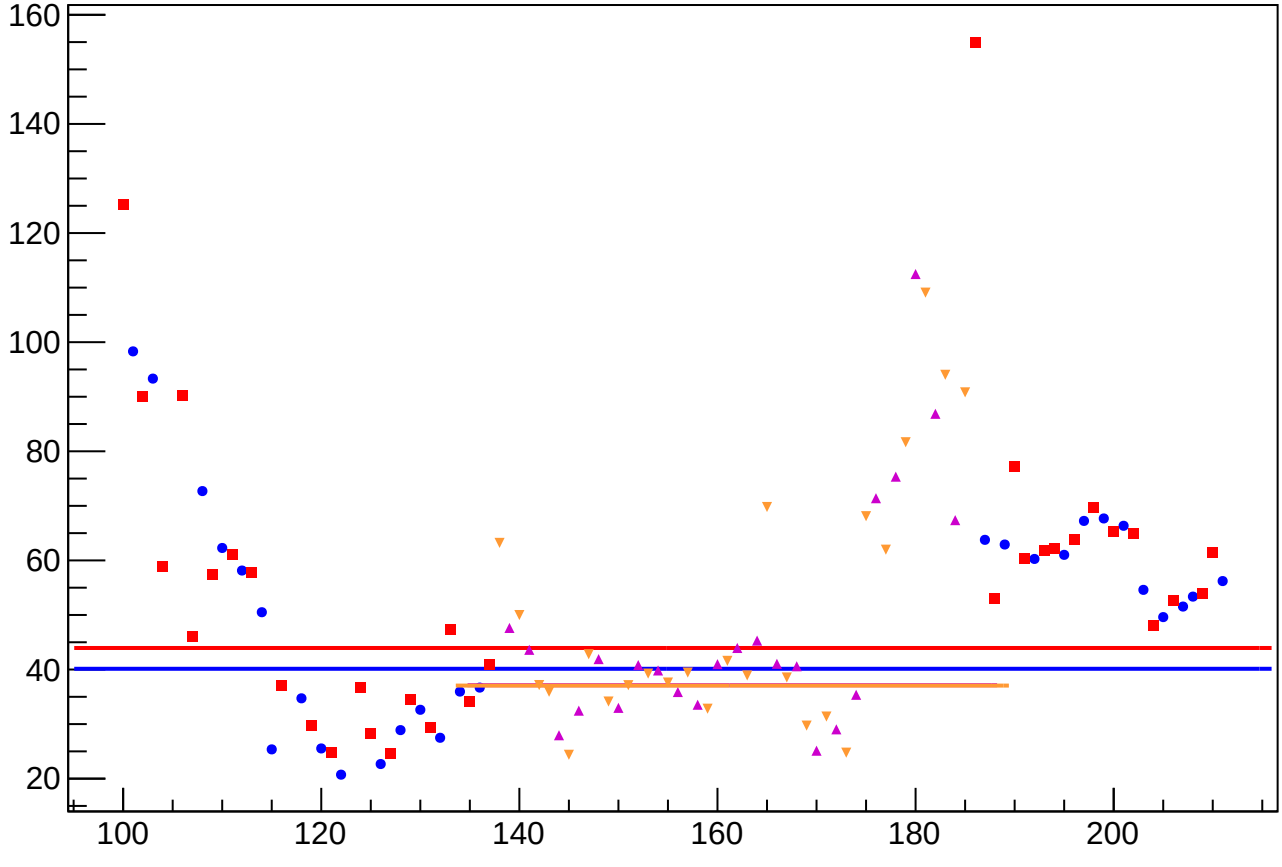
Right: -0.013+/-0.008 χ^2/NDF: 116.5/60

In: -0.012+/-0.007 χ^2/NDF:48.7/50

Out: 0.014+/-0.007 χ^2/NDF:107.7/57

All: 0.001+/-0.005 χ^2/NDF: 162.8/108

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.137+/-0.008 χ^2/NDF: 4979068.6/27

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.950+/-0.008 χ^2/NDF: 4465557.7/32

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

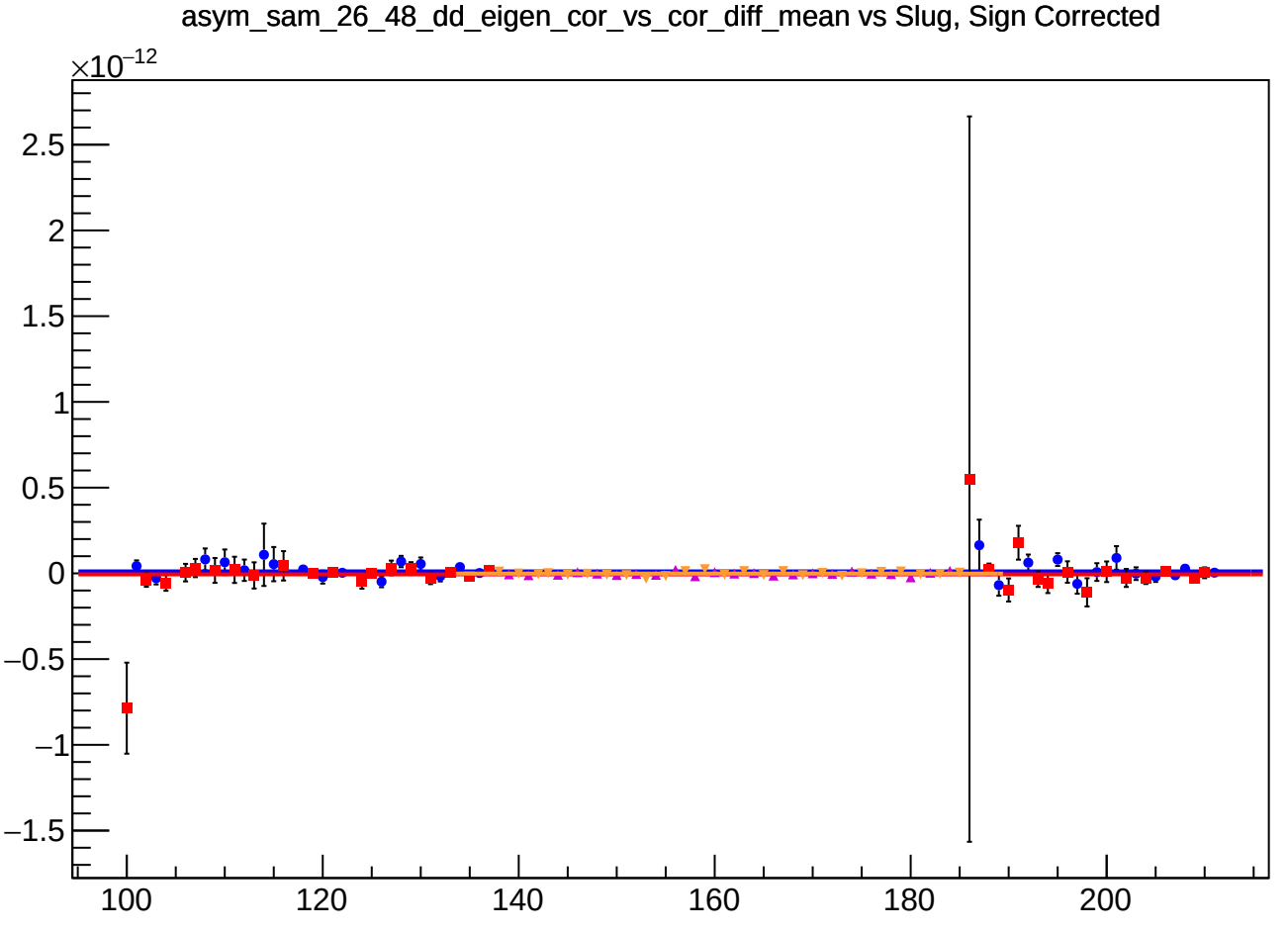
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.973+/-0.006 χ^2/NDF: 9563828.2/60

In: 38.415+/-0.005 χ^2/NDF:8080062.0/50

Out: 39.795+/-0.005 χ^2/NDF:8972308.5/57

All: 39.105+/-0.004 χ^2/NDF: 17090257.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/32

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

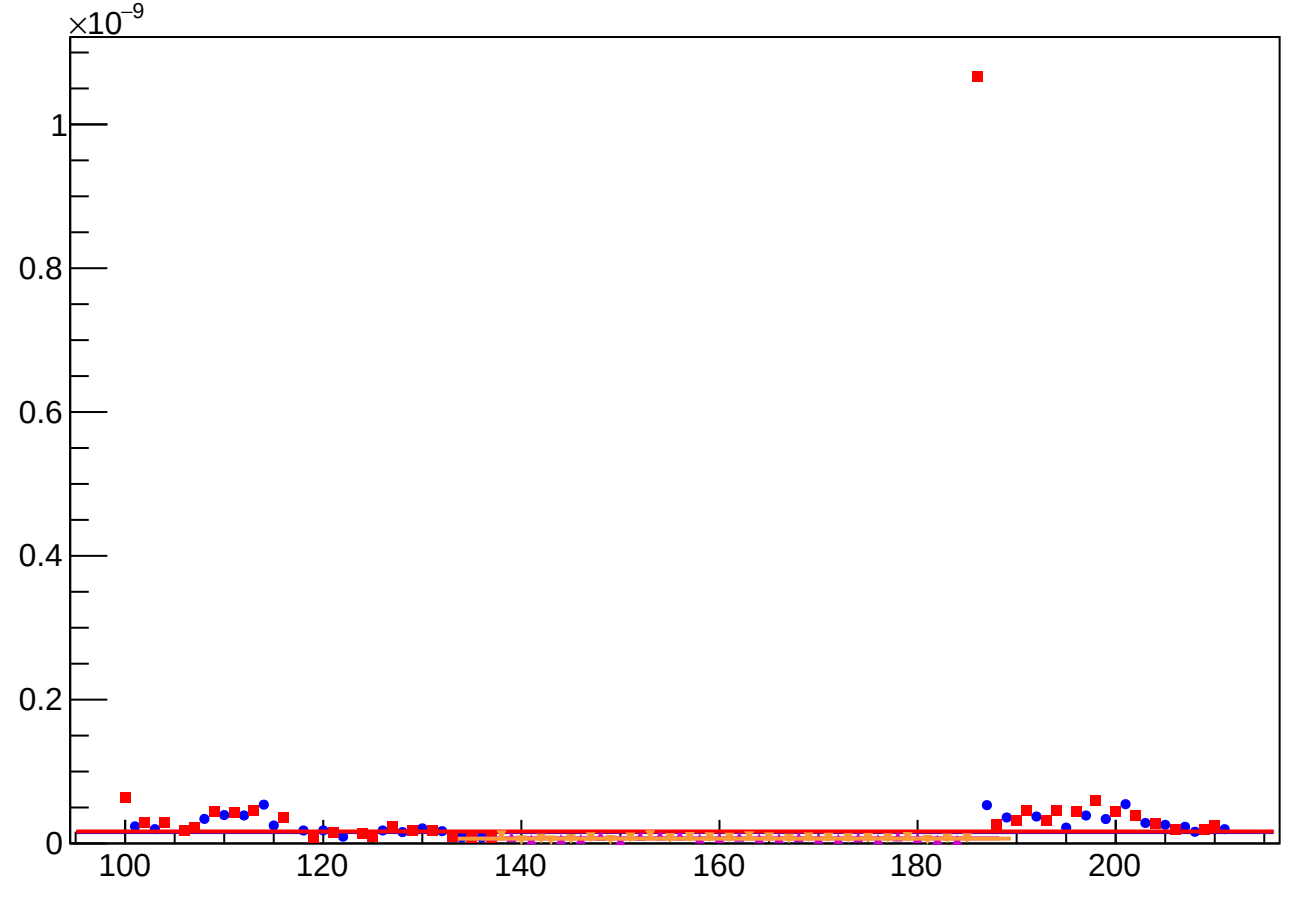
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.0/60

In: -0.000+/-0.000 χ^2/NDF:56.3/50

Out: -0.000+/-0.000 χ^2/NDF:55.2/57

All: -0.000+/-0.000 χ^2/NDF: 111.5/108



Right In: 0.000+/-0.000 χ^2/NDF: 5328246.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7386805.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

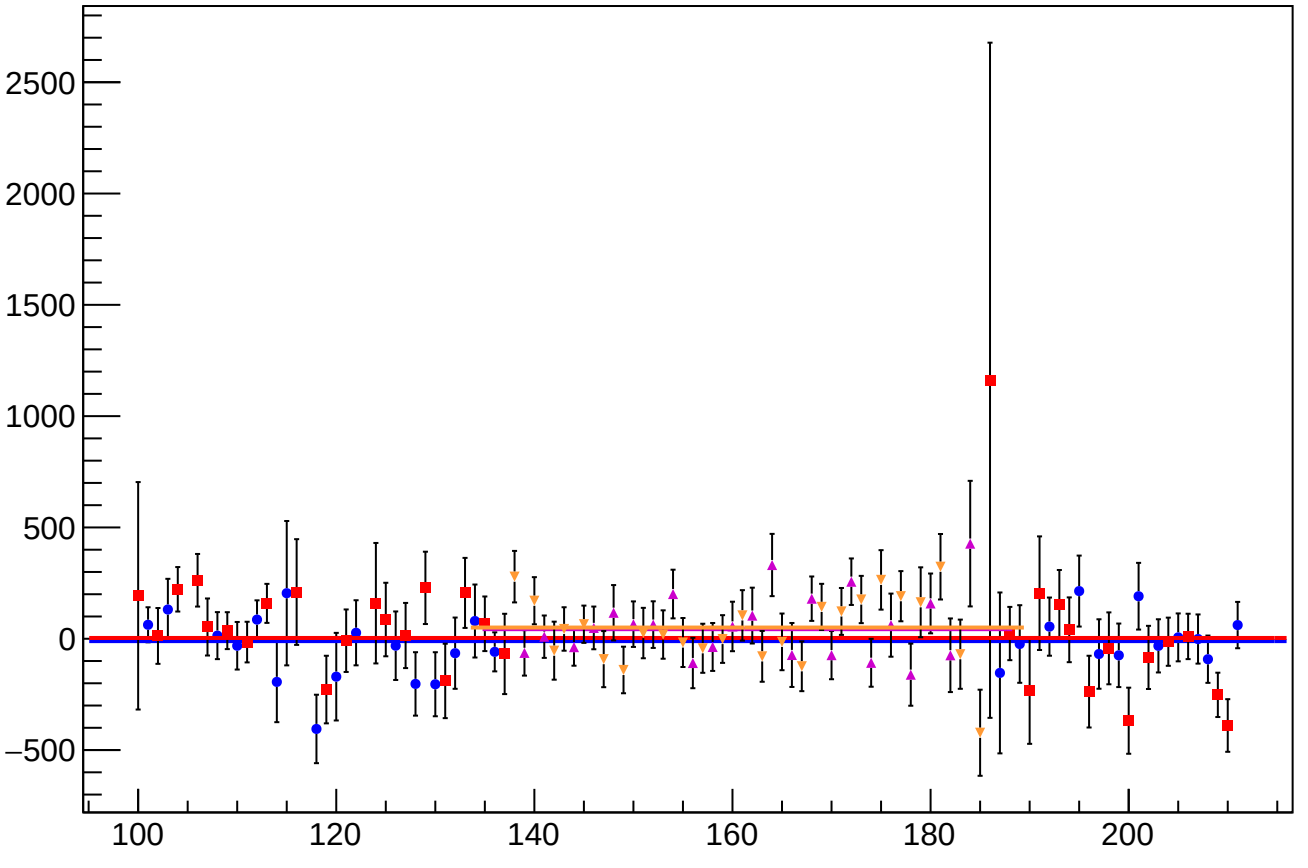
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12735915.6/60

In: 0.000+/-0.000 χ^2/NDF:11195276.6/50

Out: 0.000+/-0.000 χ^2/NDF:14900925.1/57

All: 0.000+/-0.000 χ^2/NDF: 26157137.9/108



Right In: -10.642+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 3.528+/-23.344 χ^2/NDF: 52.2/32

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

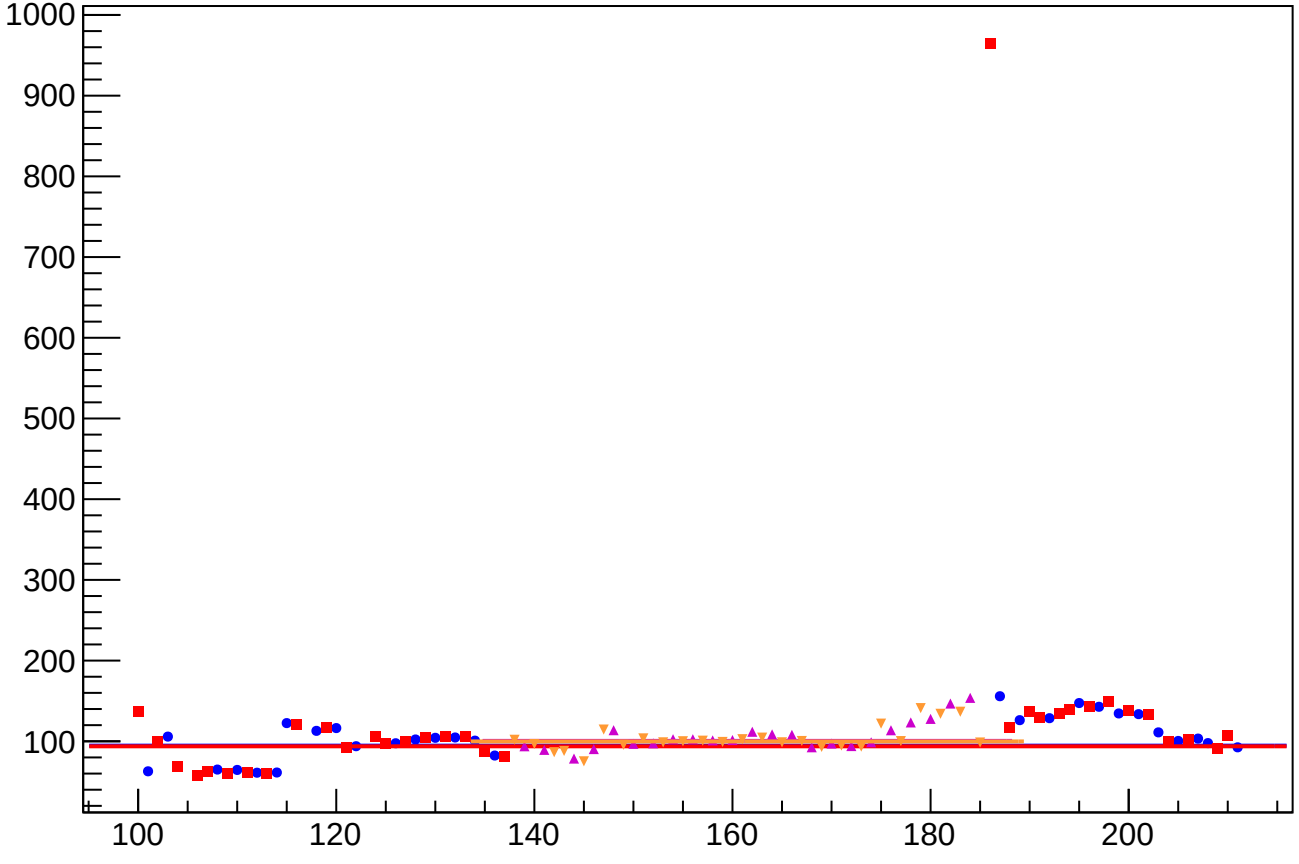
Right: -3.323+/-16.777 χ^2/NDF: 74.5/60

In: 16.605+/-16.928 χ^2/NDF:51.2/50

Out: 27.311+/-16.368 χ^2/NDF:87.7/57

All: 22.138+/-11.767 χ^2/NDF: 139.1/108

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.598+/-0.017 χ^2/NDF: 2175592.6/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.780+/-0.017 χ^2/NDF: 3454772.0/32

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

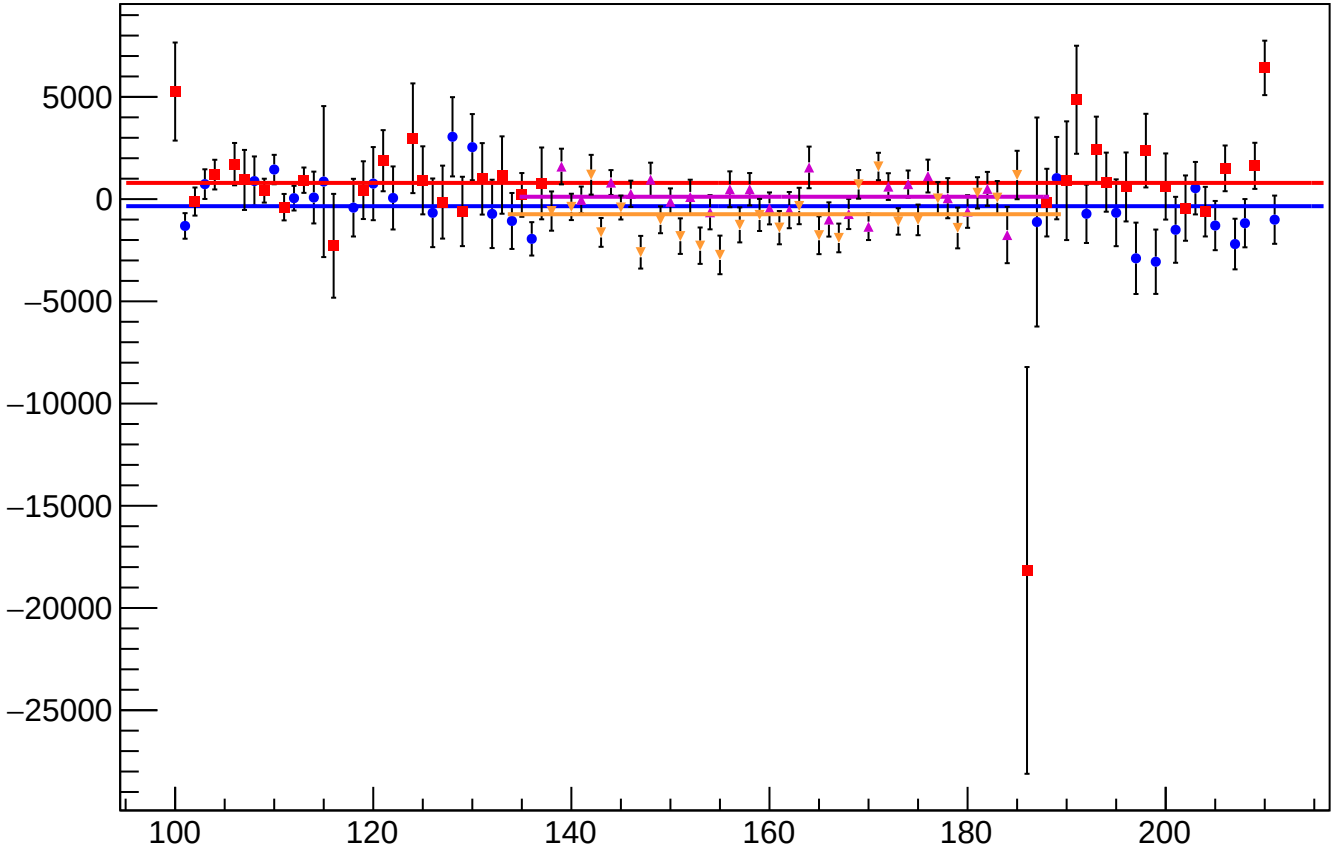
Right: 94.175+/-0.012 χ^2/NDF: 5631552.4/60

In: 97.593+/-0.012 χ^2/NDF:2893165.5/50

Out: 96.860+/-0.012 χ^2/NDF:4221037.1/57

All: 97.214+/-0.008 χ^2/NDF: 7116142.7/108

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -345.484+/-219.312 χ^2/NDF: 33.7/27

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 793.091+/-206.960 χ^2/NDF: 43.1/32

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

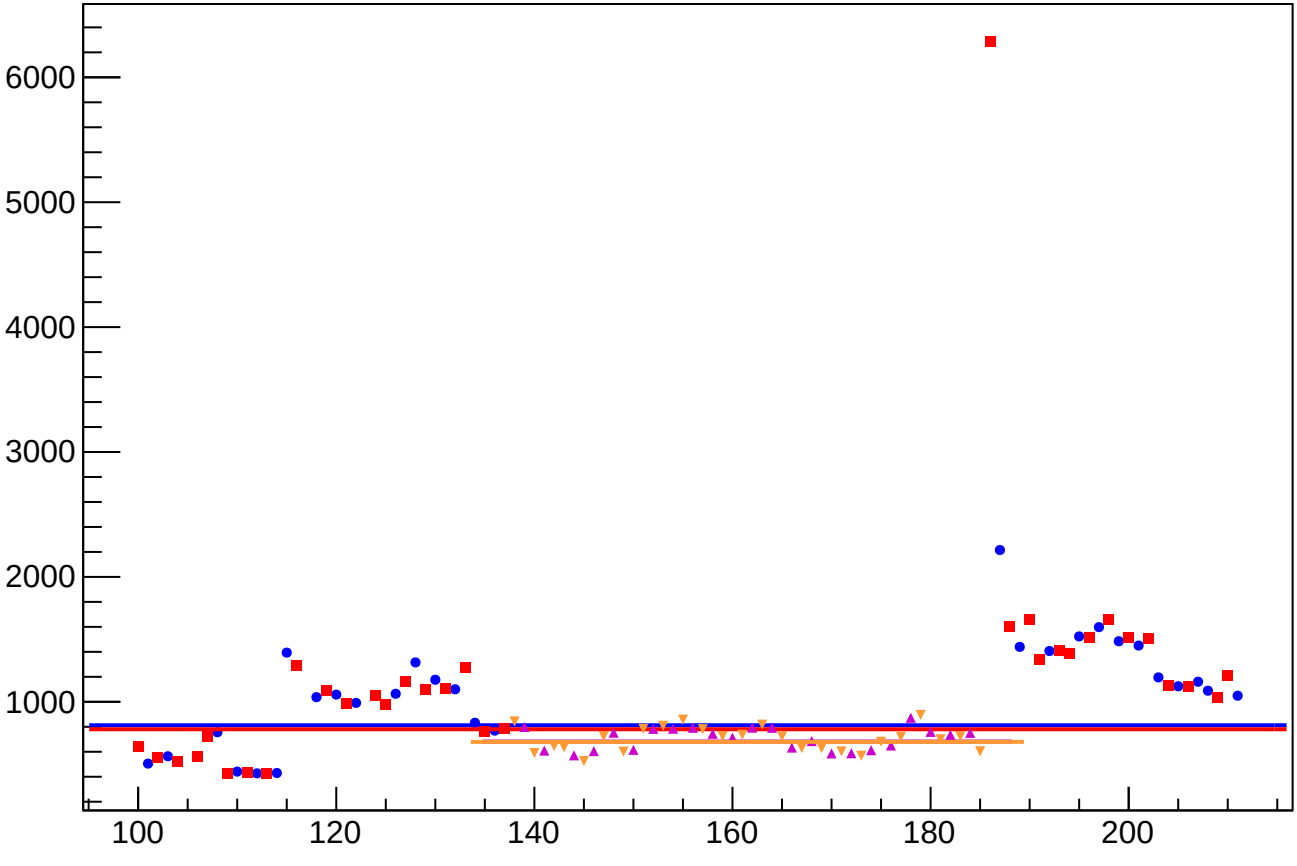
Right: 256.770+/-150.520 χ^2/NDF: 91.1/60

In: -45.831+/-129.778 χ^2/NDF:60.4/50

Out: -182.086+/-124.732 χ^2/NDF:127.7/57

All: -116.658+/-89.930 χ^2/NDF: 188.6/108

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 812.202+/-0.155 χ^2/NDF: 5572743.7/27

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 780.179+/-0.146 χ^2/NDF: 7563269.8/32

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

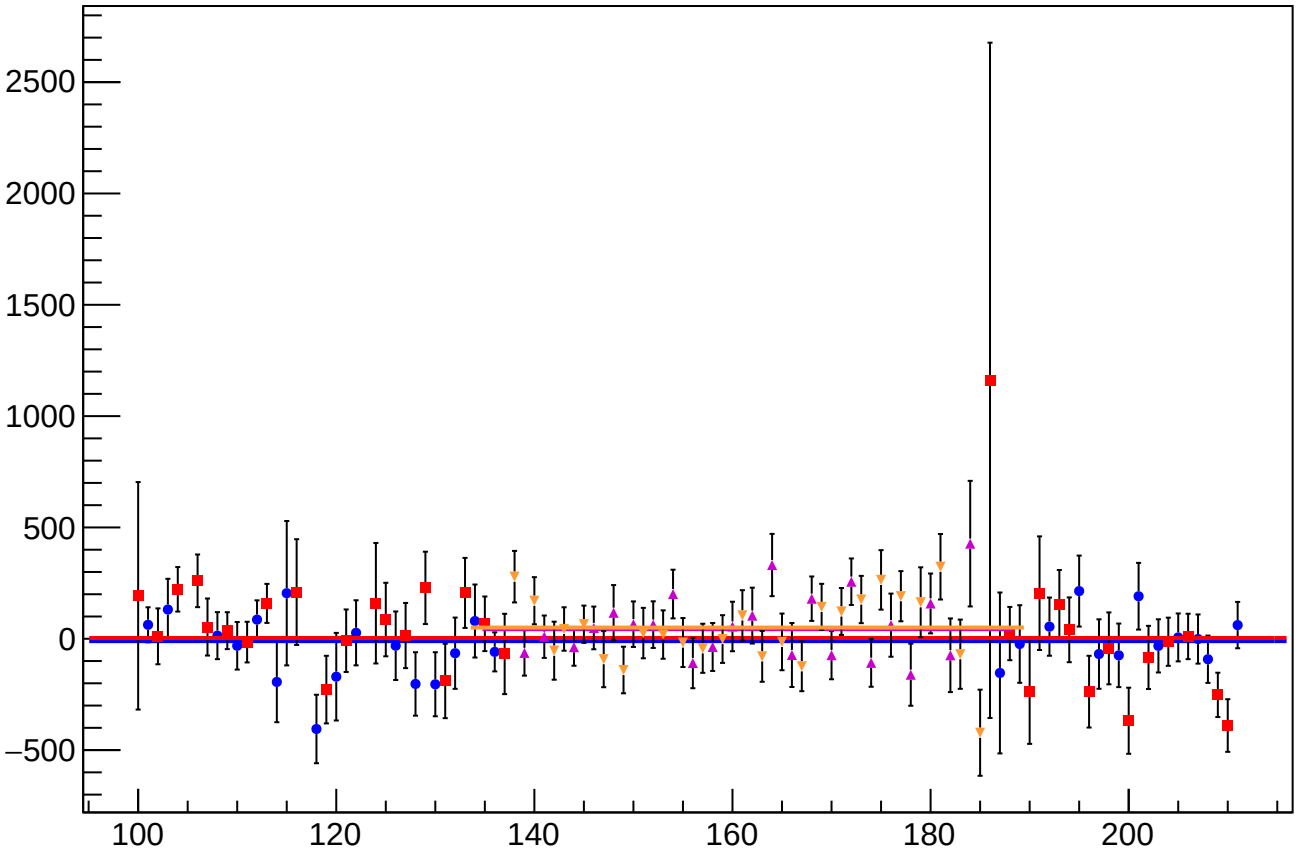
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 795.263+/-0.106 χ^2/NDF: 13158568.5/60

In: 727.523+/-0.092 χ^2/NDF:6605387.7/50

Out: 715.845+/-0.088 χ^2/NDF:8604191.9/57

All: 721.452+/-0.064 χ^2/NDF: 15217997.7/10



Right In: -10.644+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 3.366+/-23.345 χ^2/NDF: 52.1/32

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

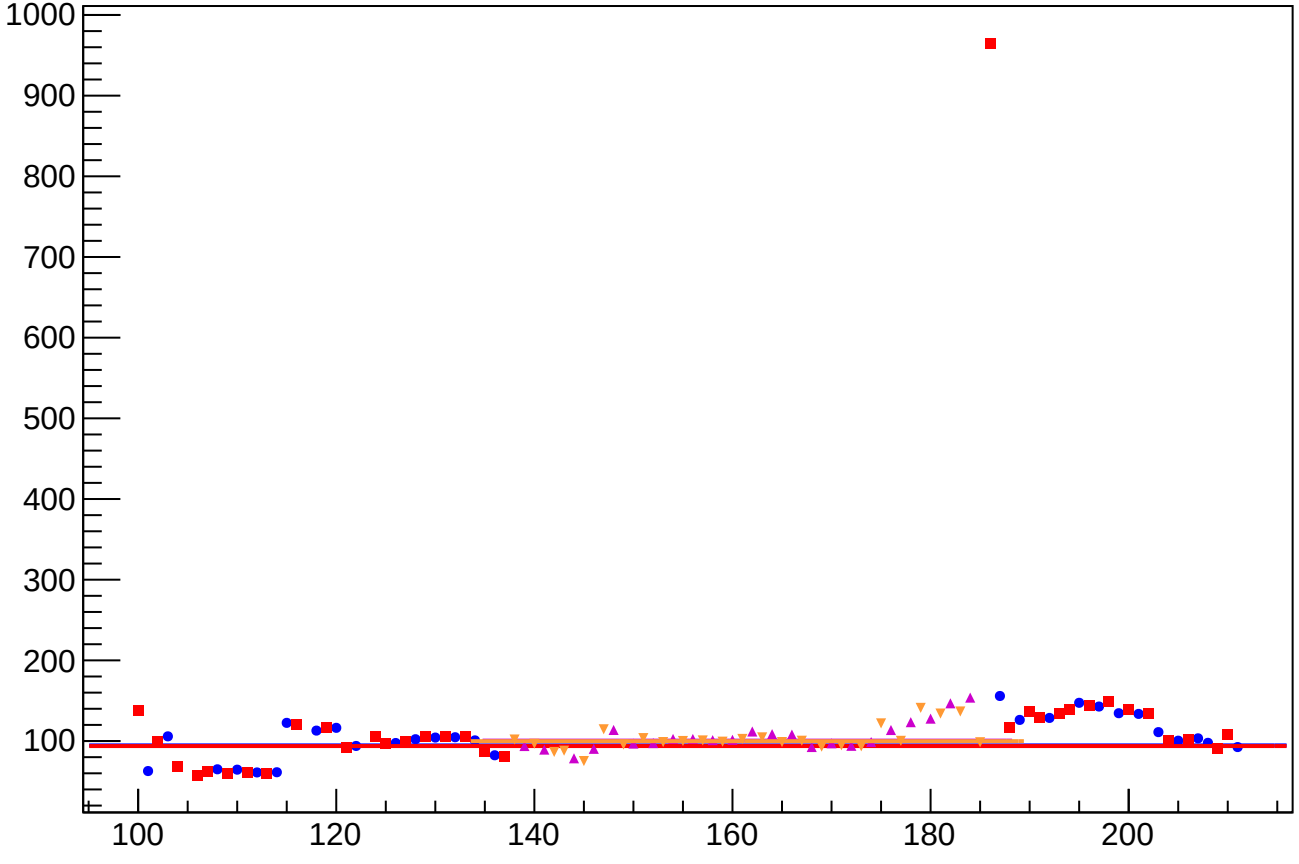
Right: -3.409+/-16.777 χ^2/NDF: 74.4/60

In: 16.604+/-16.928 χ^2/NDF:51.2/50

Out: 27.237+/-16.369 χ^2/NDF:87.6/57

All: 22.099+/-11.767 χ^2/NDF: 139.0/108

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.598+/-0.017 χ^2/NDF: 2175593.8/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.770+/-0.017 χ^2/NDF: 3458133.3/32

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

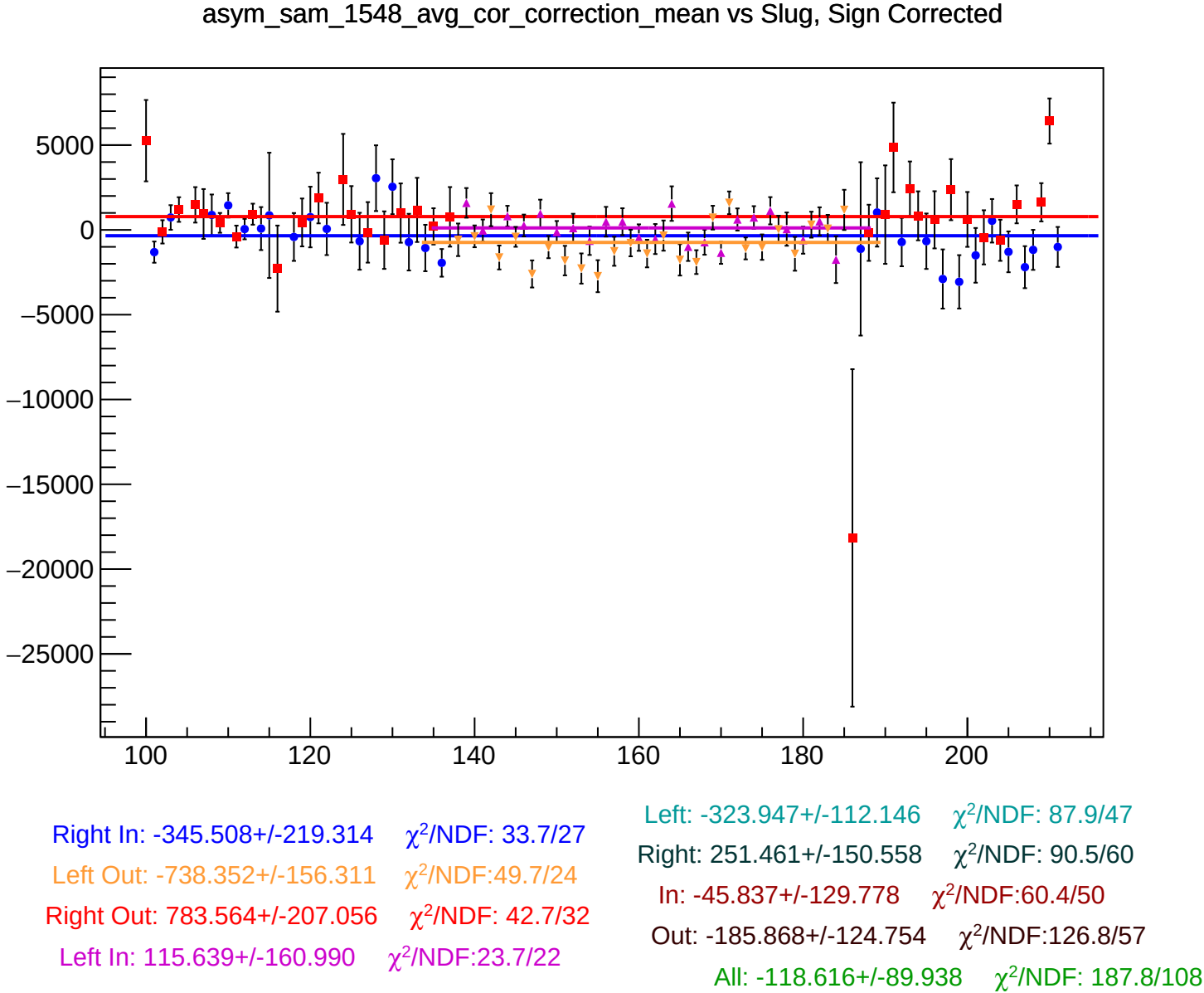
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 94.170+/-0.012 χ^2/NDF: 5634944.8/60

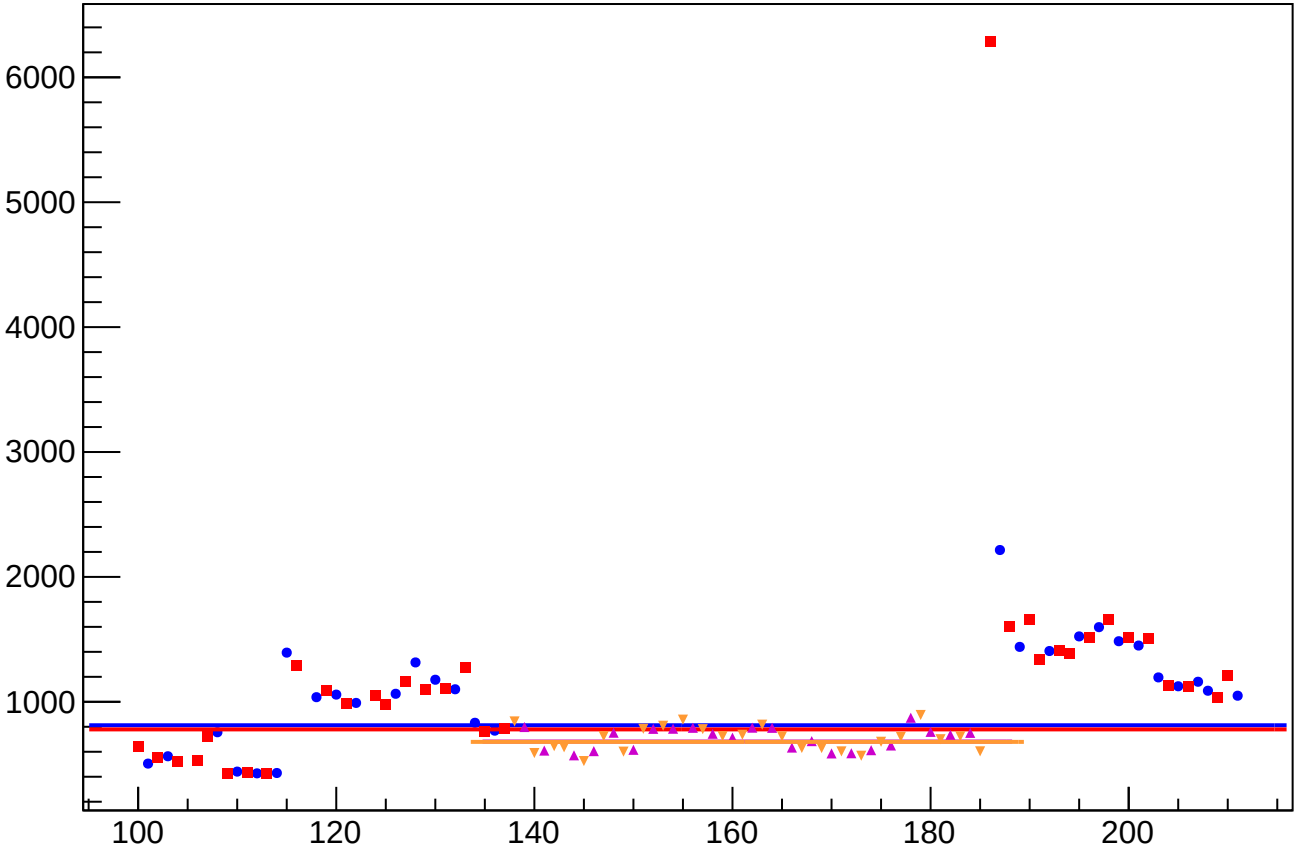
In: 97.593+/-0.012 χ^2/NDF:2893166.5/50

Out: 96.855+/-0.012 χ^2/NDF:4224626.2/57

All: 97.212+/-0.008 χ^2/NDF: 7119758.9/108


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: -345.508+/-219.314 χ²/NDF: 33.7/27
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 783.564+/-207.056 χ²/NDF: 42.7/32
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 251.461+/-150.558 χ²/NDF: 90.5/60
In: -45.837+/-129.778 χ²/NDF:60.4/50
Out: -185.868+/-124.754 χ²/NDF:126.8/57
All: -118.616+/-89.938 χ²/NDF: 187.8/108

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 812.211+/-0.155 χ^2/NDF: 5572590.5/27

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 779.082+/-0.146 χ^2/NDF: 7589786.2/32

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

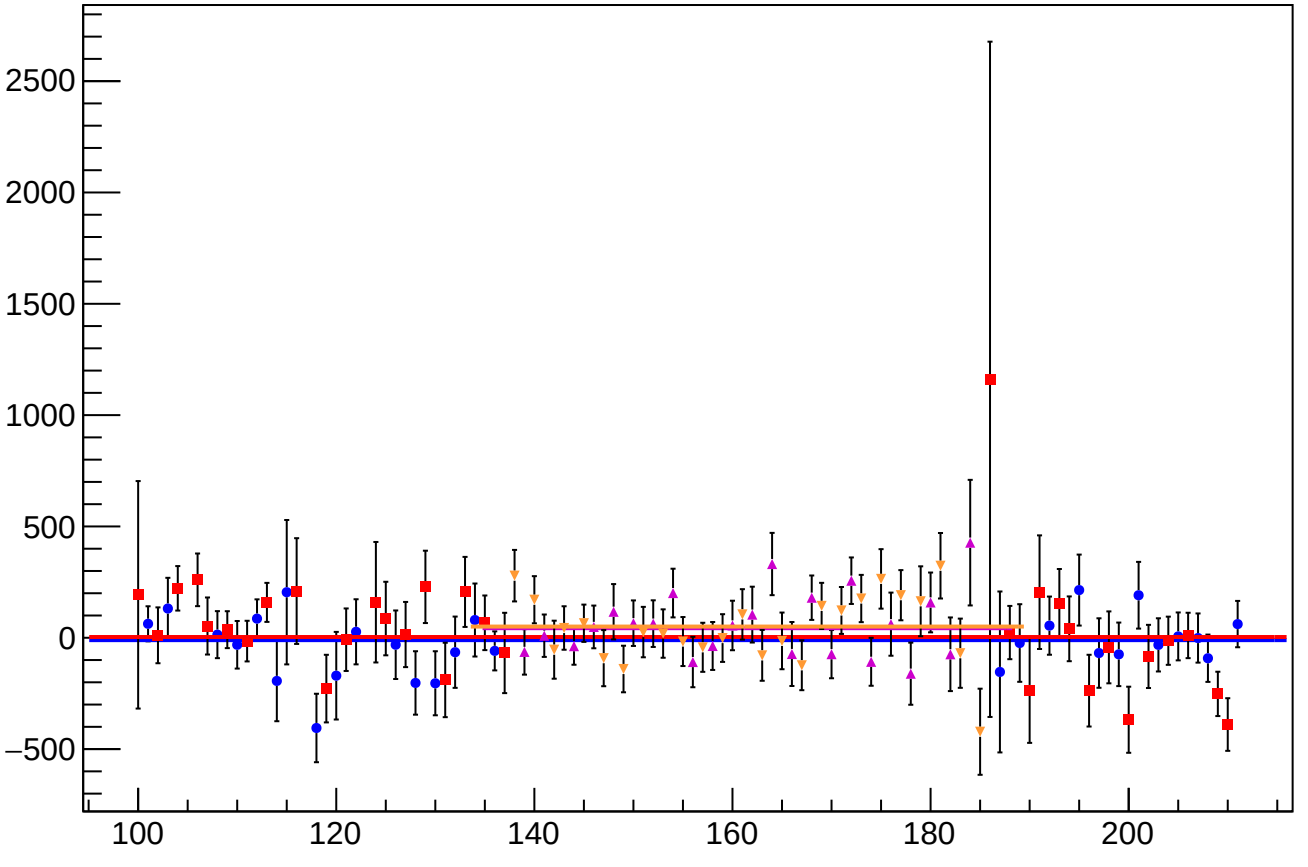
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 794.695+/-0.106 χ^2/NDF: 13186507.3/60

In: 727.526+/-0.092 χ^2/NDF:6605297.8/50

Out: 715.425+/-0.088 χ^2/NDF:8623972.7/57

All: 721.236+/-0.064 χ^2/NDF: 15238308.1/10



Right In: -10.644+/-24.127 χ^2/NDF: 22.1/27

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 3.366+/-23.345 χ^2/NDF: 52.1/32

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

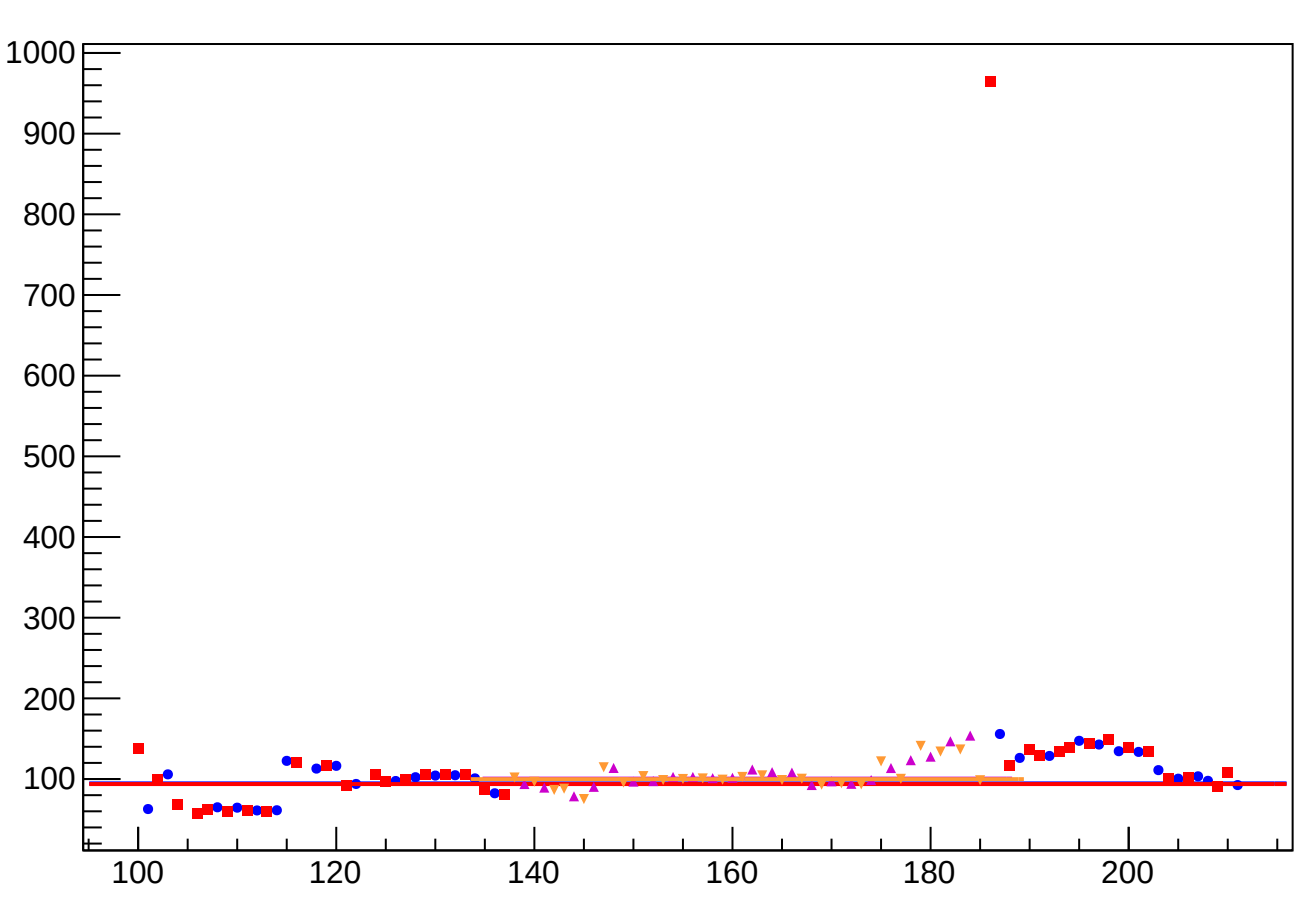
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -3.409+/-16.777 χ^2/NDF: 74.4/60

In: 16.604+/-16.928 χ^2/NDF:51.2/50

Out: 27.237+/-16.369 χ^2/NDF:87.6/57

All: 22.099+/-11.767 χ^2/NDF: 139.0/108



Right In: 94.598+/-0.017 χ^2/NDF: 2175593.8/27

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.770+/-0.017 χ^2/NDF: 3458133.3/32

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

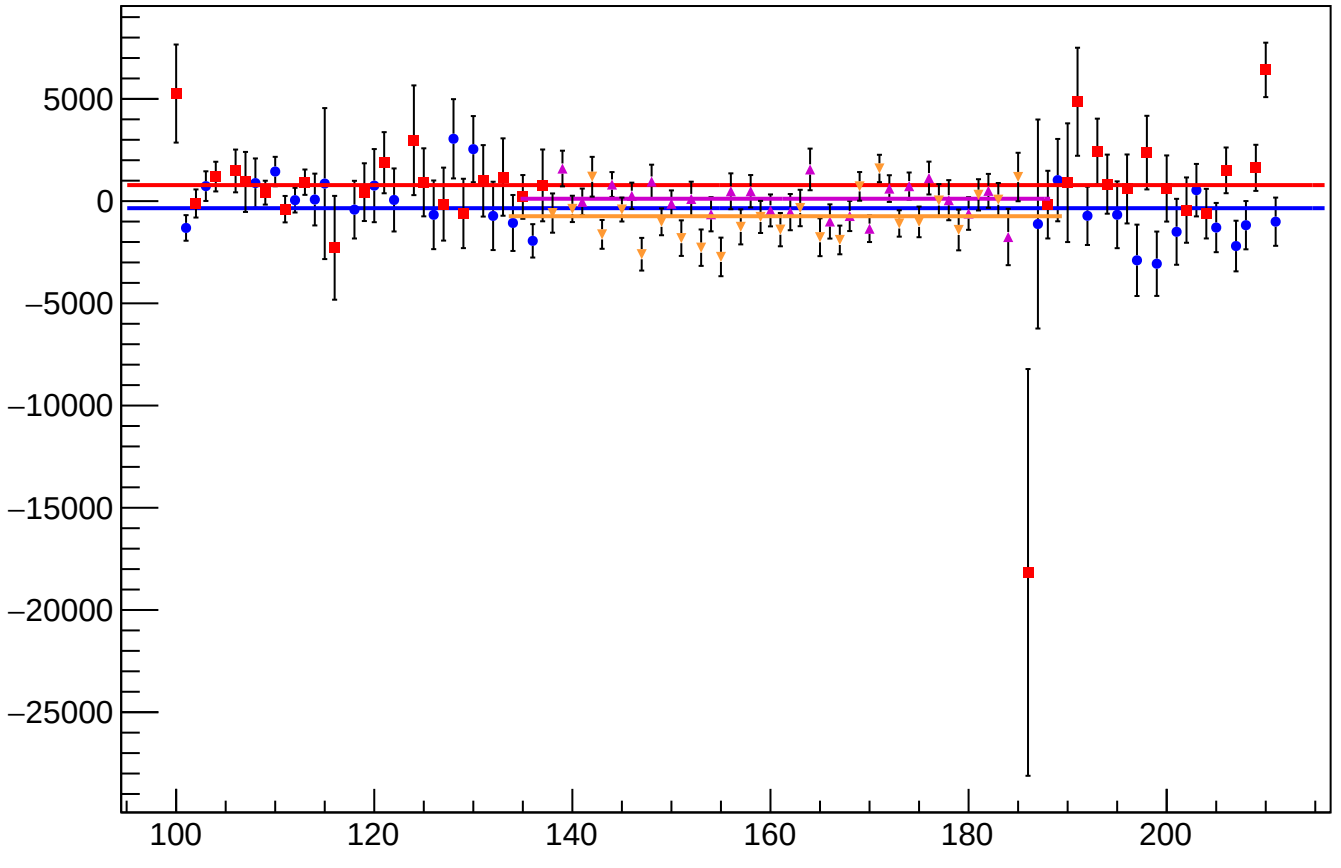
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 94.170+/-0.012 χ^2/NDF: 5634944.8/60

In: 97.593+/-0.012 χ^2/NDF:2893166.5/50

Out: 96.855+/-0.012 χ^2/NDF:4224626.2/57

All: 97.212+/-0.008 χ^2/NDF: 7119758.9/108



Right In: -345.508+/-219.314 χ^2/NDF: 33.7/27

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 783.564+/-207.056 χ^2/NDF: 42.7/32

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

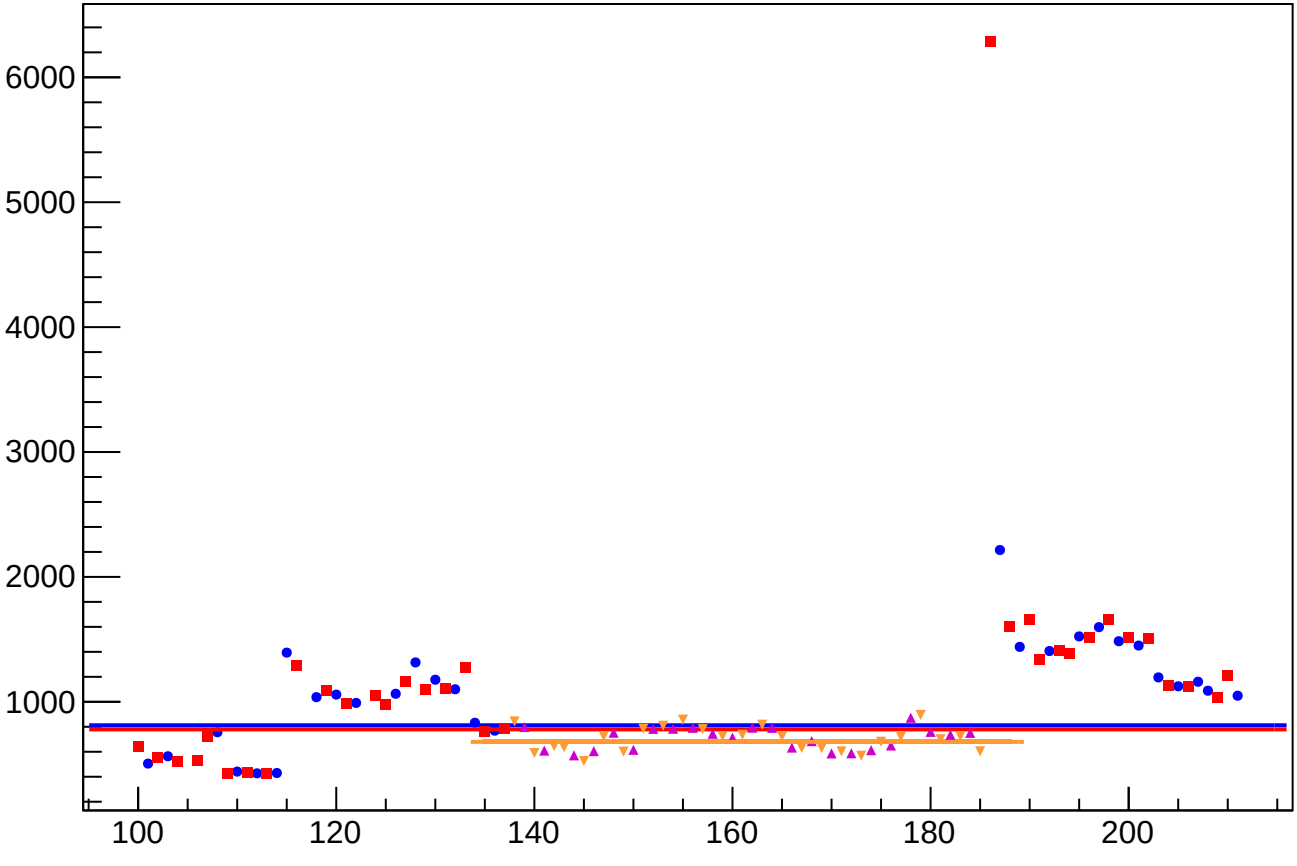
Right: 251.461+/-150.558 χ^2/NDF: 90.5/60

In: -45.837+/-129.778 χ^2/NDF:60.4/50

Out: -185.868+/-124.754 χ^2/NDF:126.8/57

All: -118.616+/-89.938 χ^2/NDF: 187.8/108

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 812.211+/-0.155 χ^2/NDF: 5572590.5/27

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 779.082+/-0.146 χ^2/NDF: 7589786.2/32

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

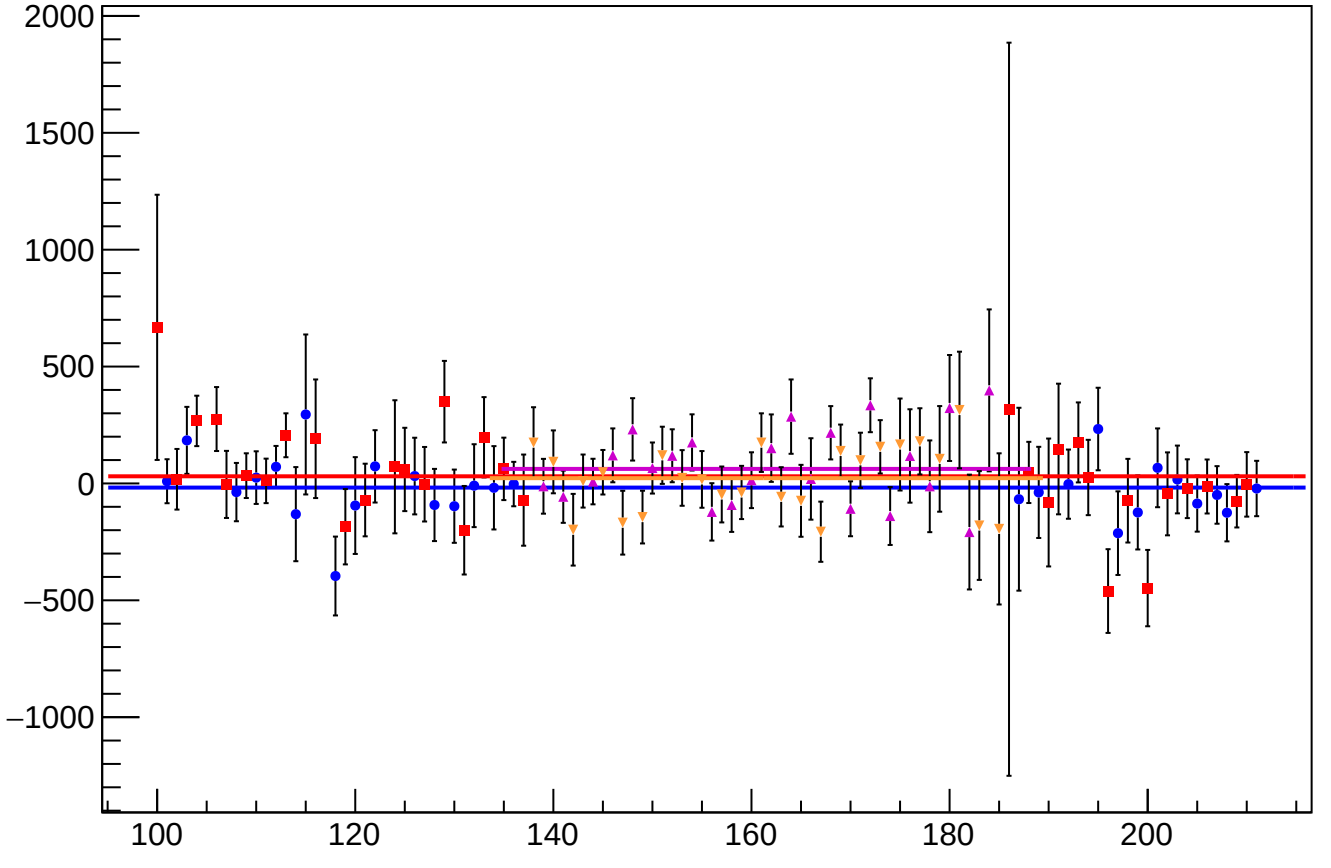
Right: 794.695+/-0.106 χ^2/NDF: 13186507.3/60

In: 727.526+/-0.092 χ^2/NDF:6605297.8/50

Out: 715.425+/-0.088 χ^2/NDF:8623972.7/57

All: 721.236+/-0.064 χ^2/NDF: 15238308.1/10

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -17.779+/-26.774 χ^2/NDF: 15.7/27

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 30.533+/-25.836 χ^2/NDF: 40.7/32

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

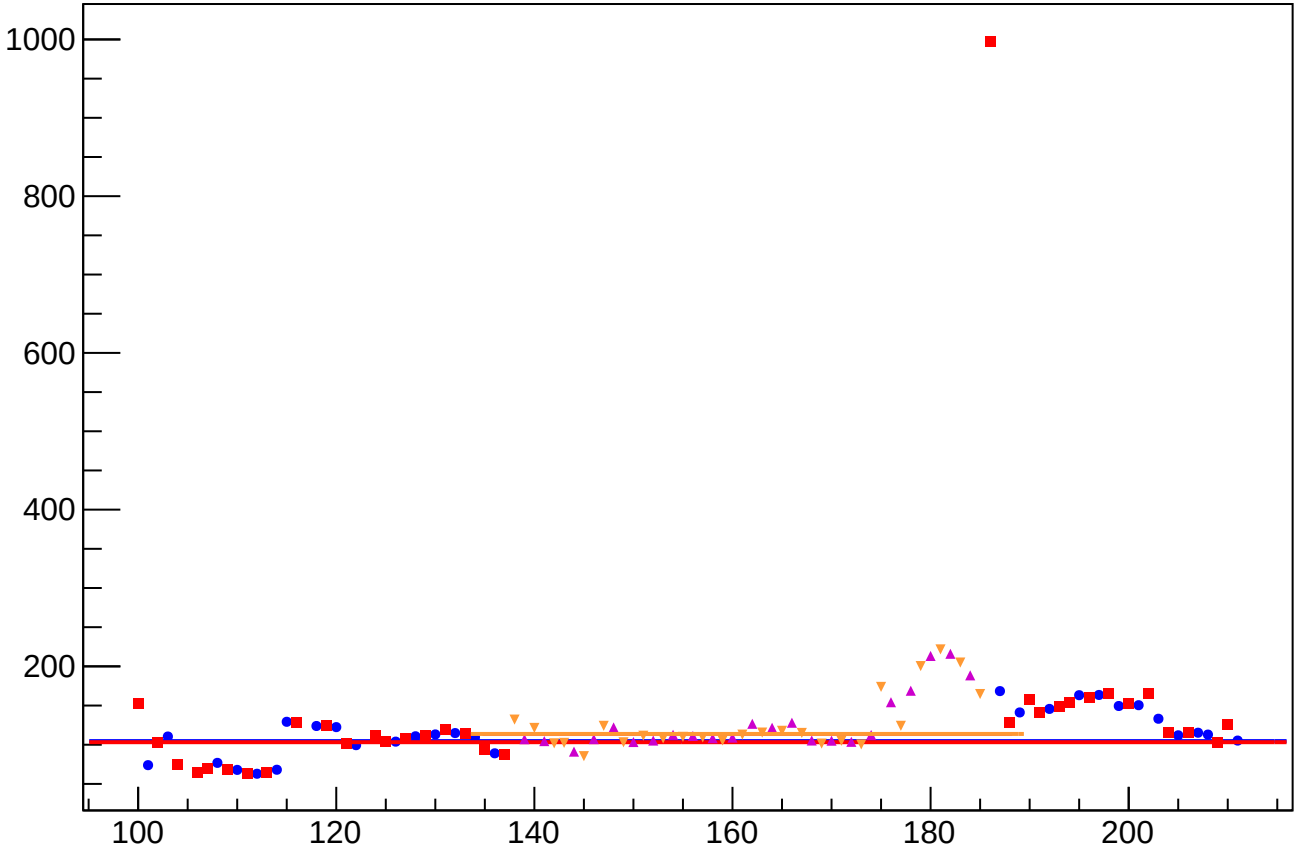
Right: 7.238+/-18.591 χ^2/NDF: 58.1/60

In: 21.360+/-19.128 χ^2/NDF:47.4/50

Out: 26.660+/-18.548 χ^2/NDF:62.4/57

All: 24.092+/-13.316 χ^2/NDF: 109.7/108

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 104.620+/-0.019 χ^2/NDF: 2285028.2/27

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 103.236+/-0.018 χ^2/NDF: 3639700.4/32

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

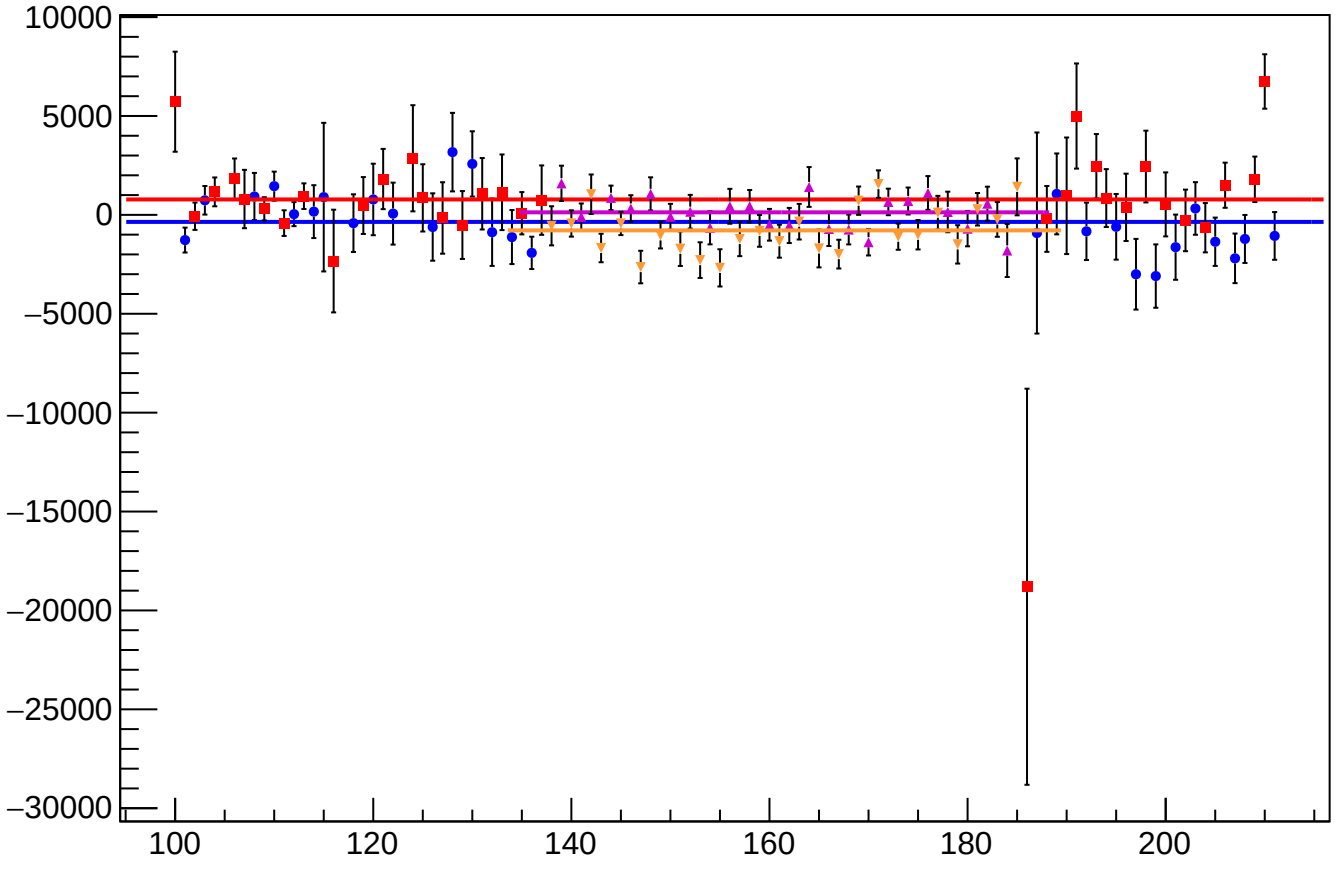
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 103.904+/-0.013 χ^2/NDF: 5927495.5/60

In: 109.054+/-0.014 χ^2/NDF:3713106.4/50

Out: 108.339+/-0.013 χ^2/NDF:5380620.9/57

All: 108.686+/-0.009 χ^2/NDF: 9095166.1/108



Right In: -355.549+/-222.029 χ^2/NDF: 33.5/27

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 779.656+/-209.442 χ^2/NDF: 45.1/32

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

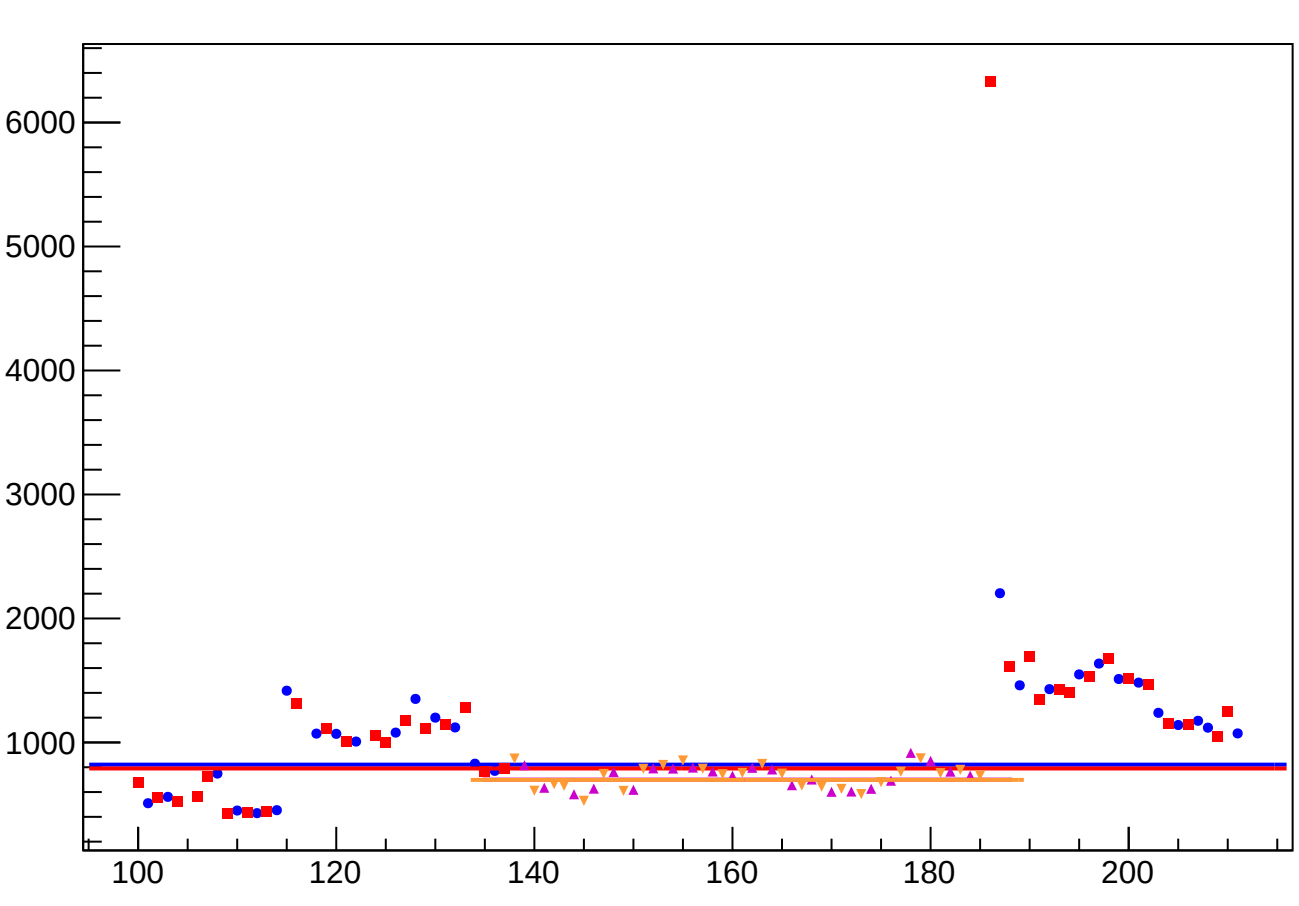
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 245.141+/-152.353 χ^2/NDF: 92.4/60

In: -44.281+/-132.566 χ^2/NDF:59.2/50

Out: -205.742+/-127.386 χ^2/NDF:125.6/57

All: -128.228+/-91.852 χ^2/NDF: 185.6/108



Right In: 821.118+/-0.157 χ^2/NDF: 5673163.6/27

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 790.088+/-0.148 χ^2/NDF: 7550495.0/32

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

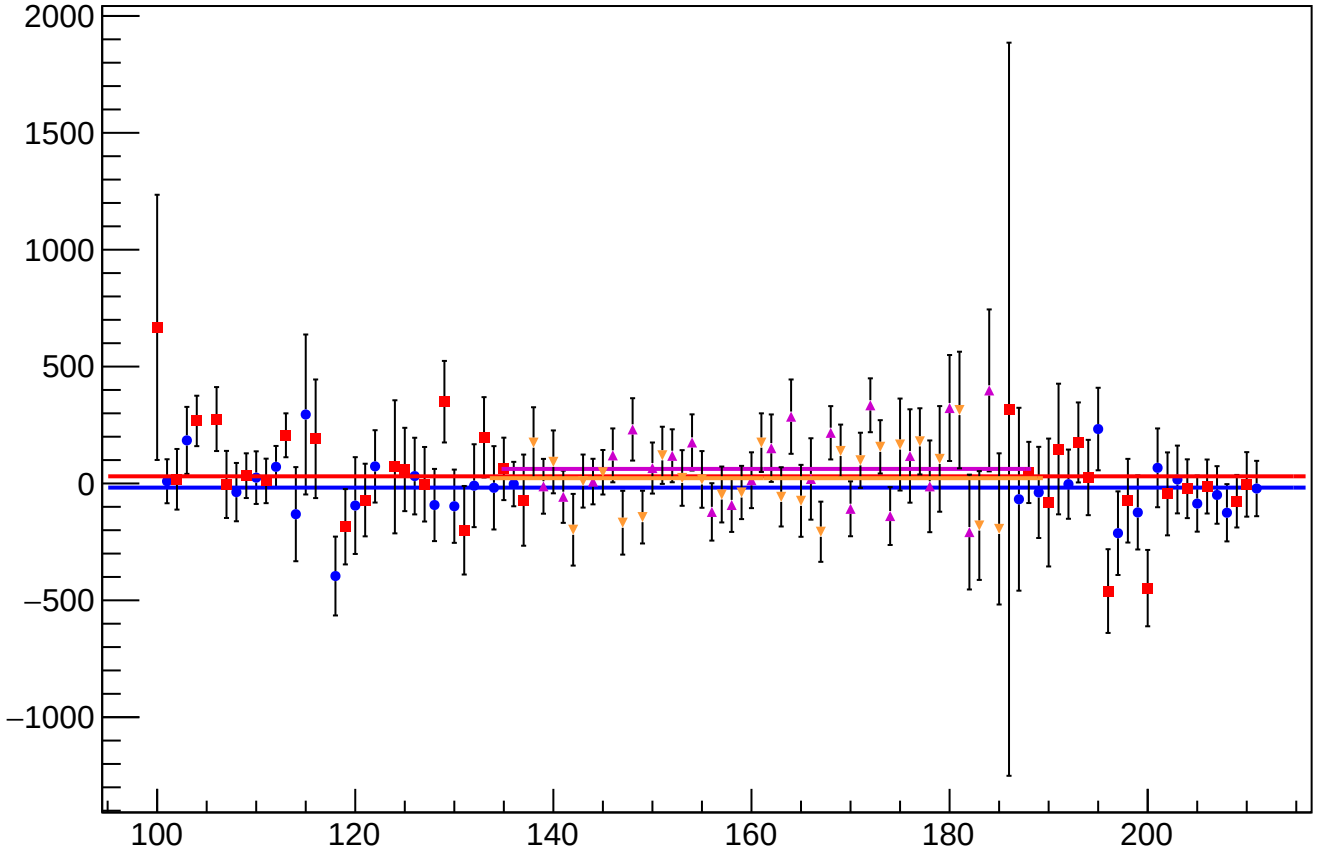
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 804.699+/-0.108 χ^2/NDF: 13244328.8/60

In: 743.228+/-0.094 χ^2/NDF:6639968.7/50

Out: 732.215+/-0.090 χ^2/NDF:8507542.7/57

All: 737.502+/-0.065 χ^2/NDF: 15154688.1/10



Right In: -17.778+/-26.774 χ^2/NDF: 15.7/27

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 30.532+/-25.836 χ^2/NDF: 40.7/32

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

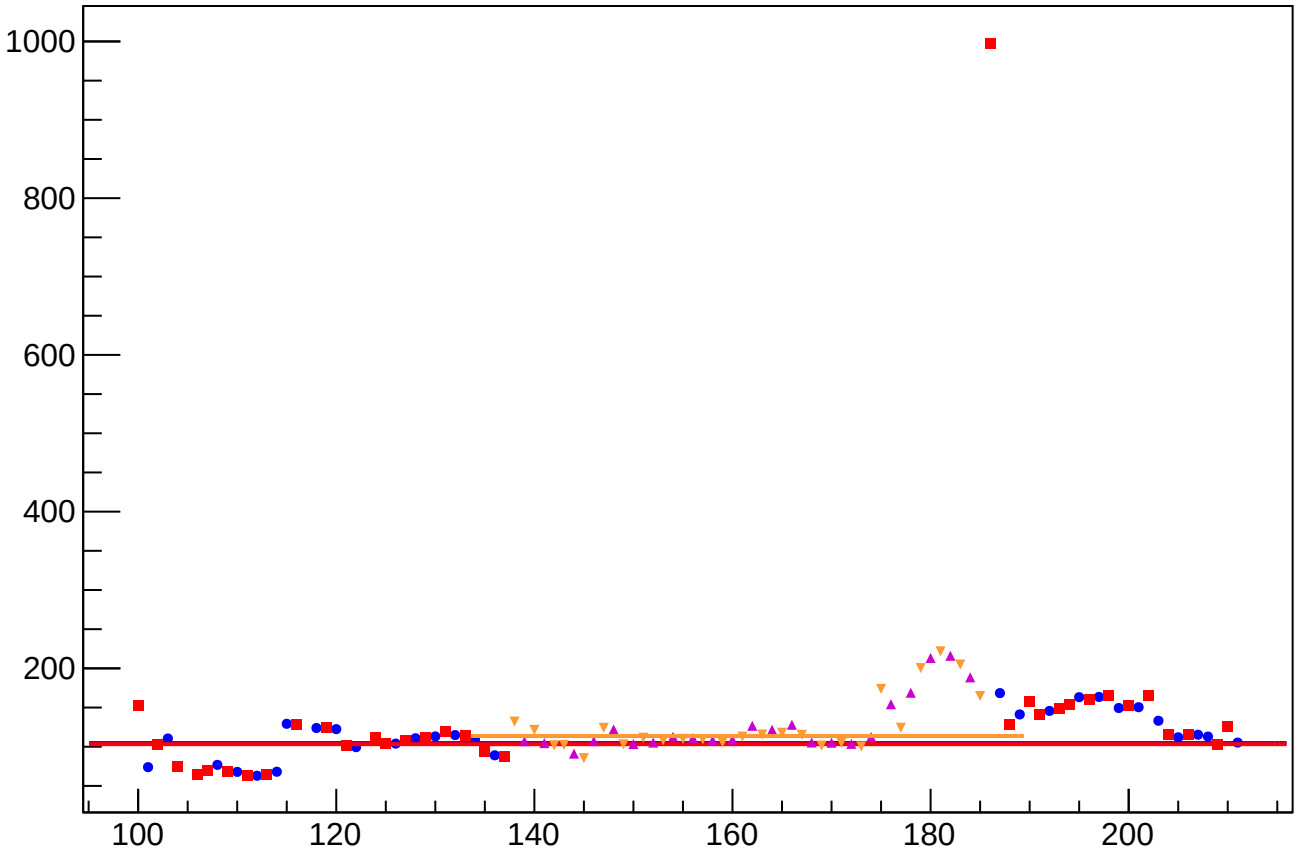
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 7.238+/-18.591 χ^2/NDF: 58.1/60

In: 21.361+/-19.128 χ^2/NDF:47.4/50

Out: 26.661+/-18.548 χ^2/NDF:62.4/57

All: 24.092+/-13.316 χ^2/NDF: 109.7/108



Right In: 104.620+/-0.019 χ^2/NDF: 2285015.0/27

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 103.236+/-0.018 χ^2/NDF: 3639702.9/32

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

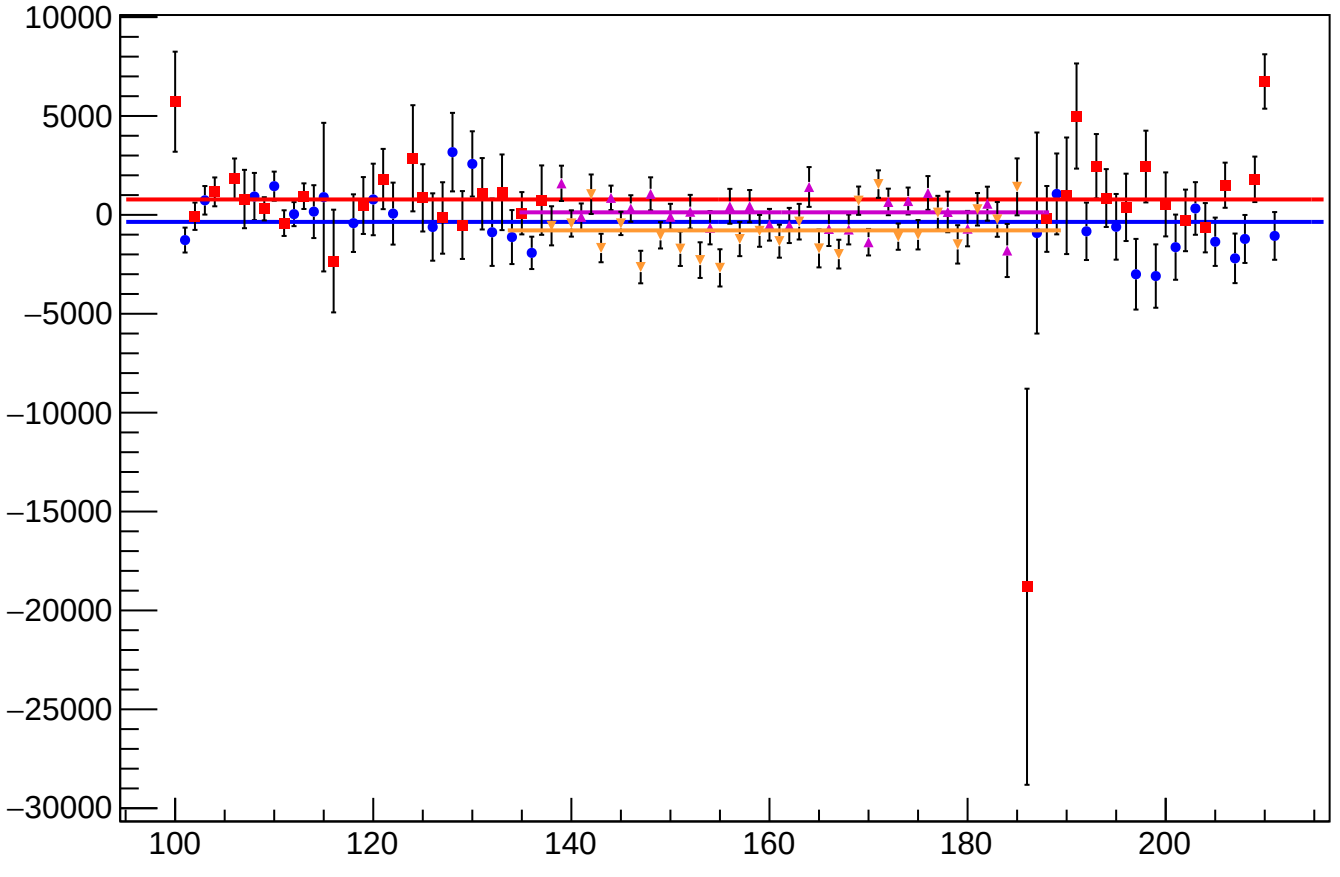
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 103.904+/-0.013 χ^2/NDF: 5927484.9/60

In: 109.054+/-0.014 χ^2/NDF:3713077.2/50

Out: 108.339+/-0.013 χ^2/NDF:5380619.3/57

All: 108.686+/-0.009 χ^2/NDF: 9095135.3/108



Right In: -355.548+/-222.028 χ^2/NDF: 33.5/27

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 779.655+/-209.442 χ^2/NDF: 45.1/32

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

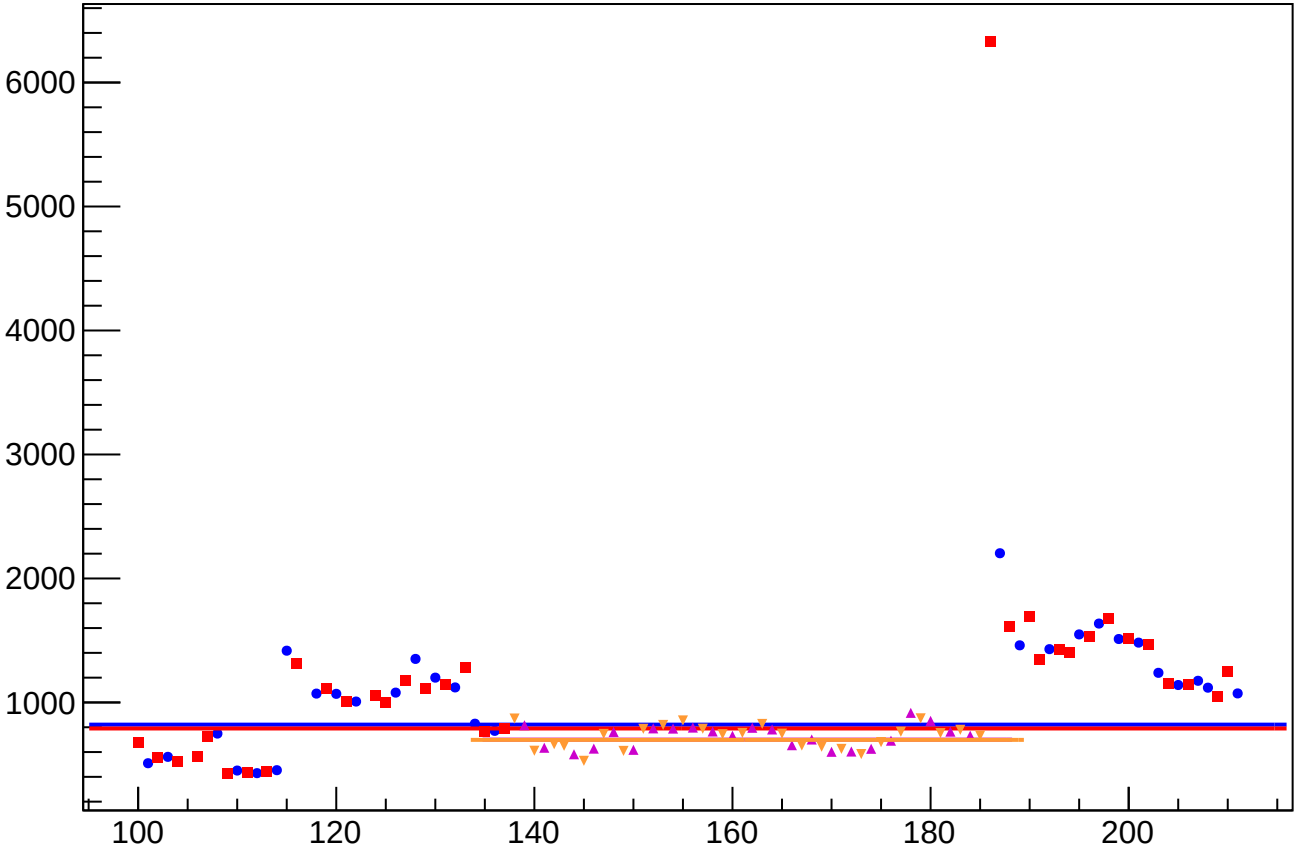
Right: 245.141+/-152.353 χ^2/NDF: 92.4/60

In: -44.281+/-132.566 χ^2/NDF:59.2/50

Out: -205.742+/-127.386 χ^2/NDF:125.6/57

All: -128.228+/-91.852 χ^2/NDF: 185.6/108

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 821.117+/-0.157 χ^2/NDF: 5673166.2/27

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 790.087+/-0.148 χ^2/NDF: 7550491.7/32

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

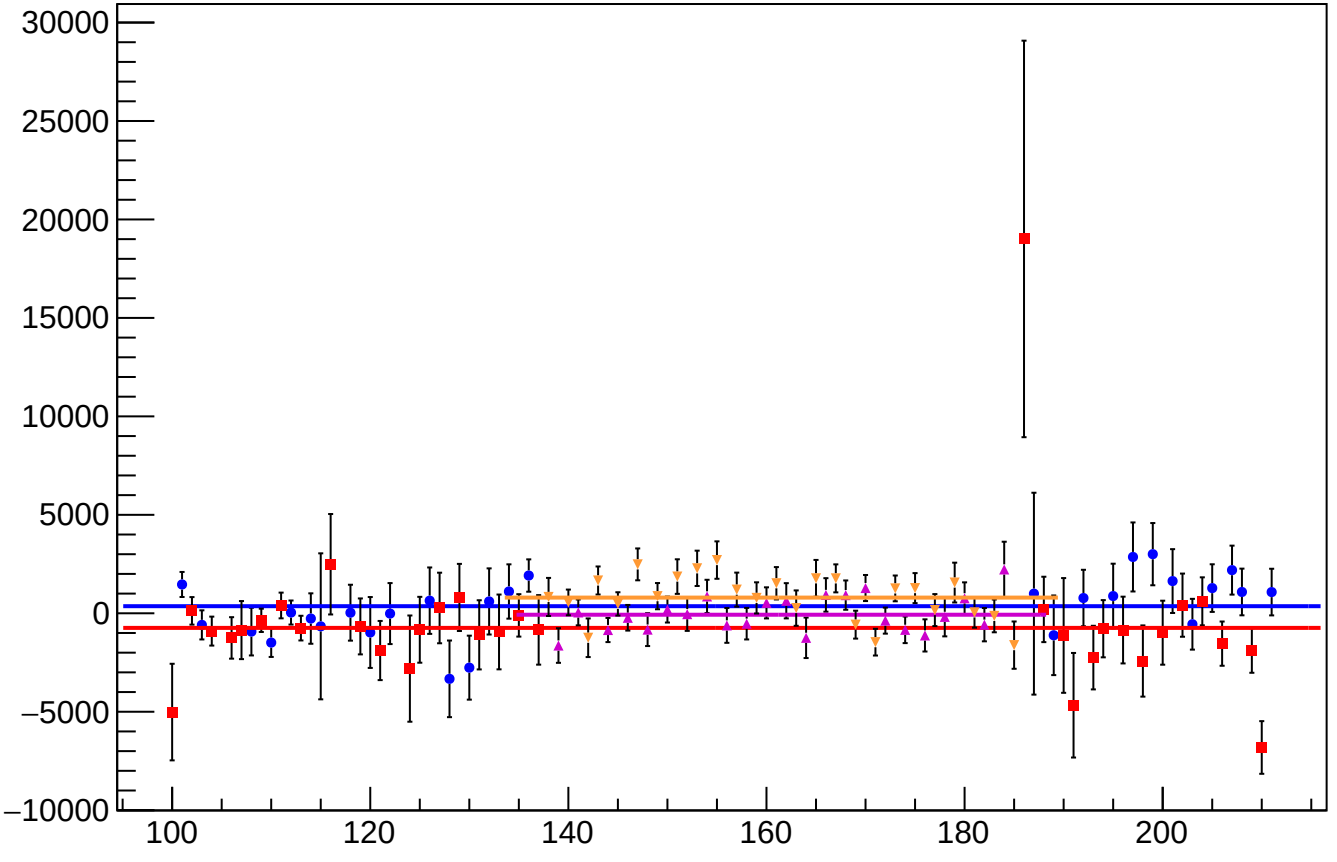
Right: 804.698+/-0.108 χ^2/NDF: 13244328.1/60

In: 743.228+/-0.094 χ^2/NDF:6639965.7/50

Out: 732.214+/-0.090 χ^2/NDF:8507537.9/57

All: 737.502+/-0.065 χ^2/NDF: 15154680.3/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 360.389+/-221.299 χ^2/NDF: 34.9/27

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -741.786+/-208.888 χ^2/NDF: 44.7/32

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

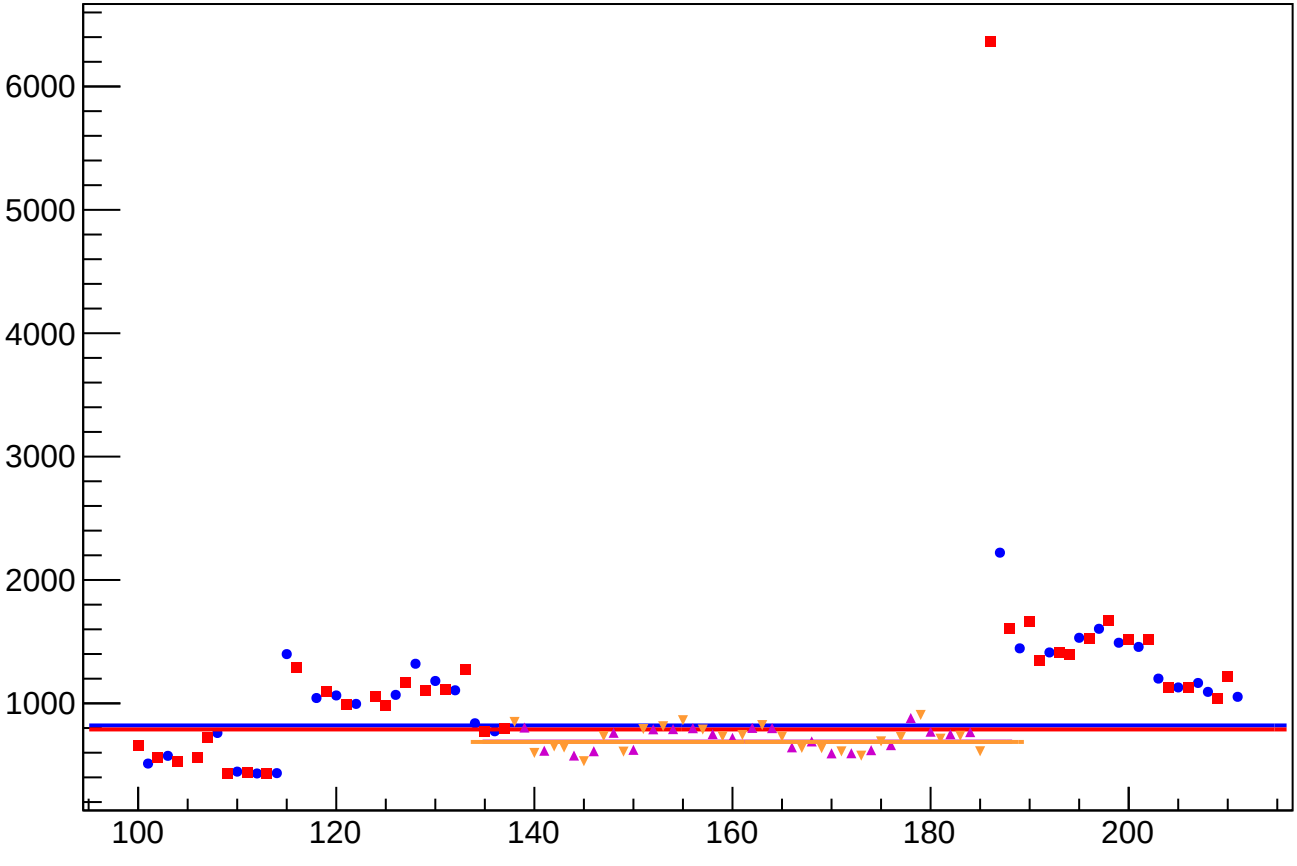
Right: -222.470+/-151.904 χ^2/NDF: 92.7/60

In: 78.956+/-131.179 χ^2/NDF:62.3/50

Out: 236.312+/-126.085 χ^2/NDF:125.6/57

All: 160.749+/-90.903 χ^2/NDF: 188.6/108

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 820.827+/-0.156 χ^2/NDF: 5482573.3/27

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 788.517+/-0.148 χ^2/NDF: 7470229.7/32

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

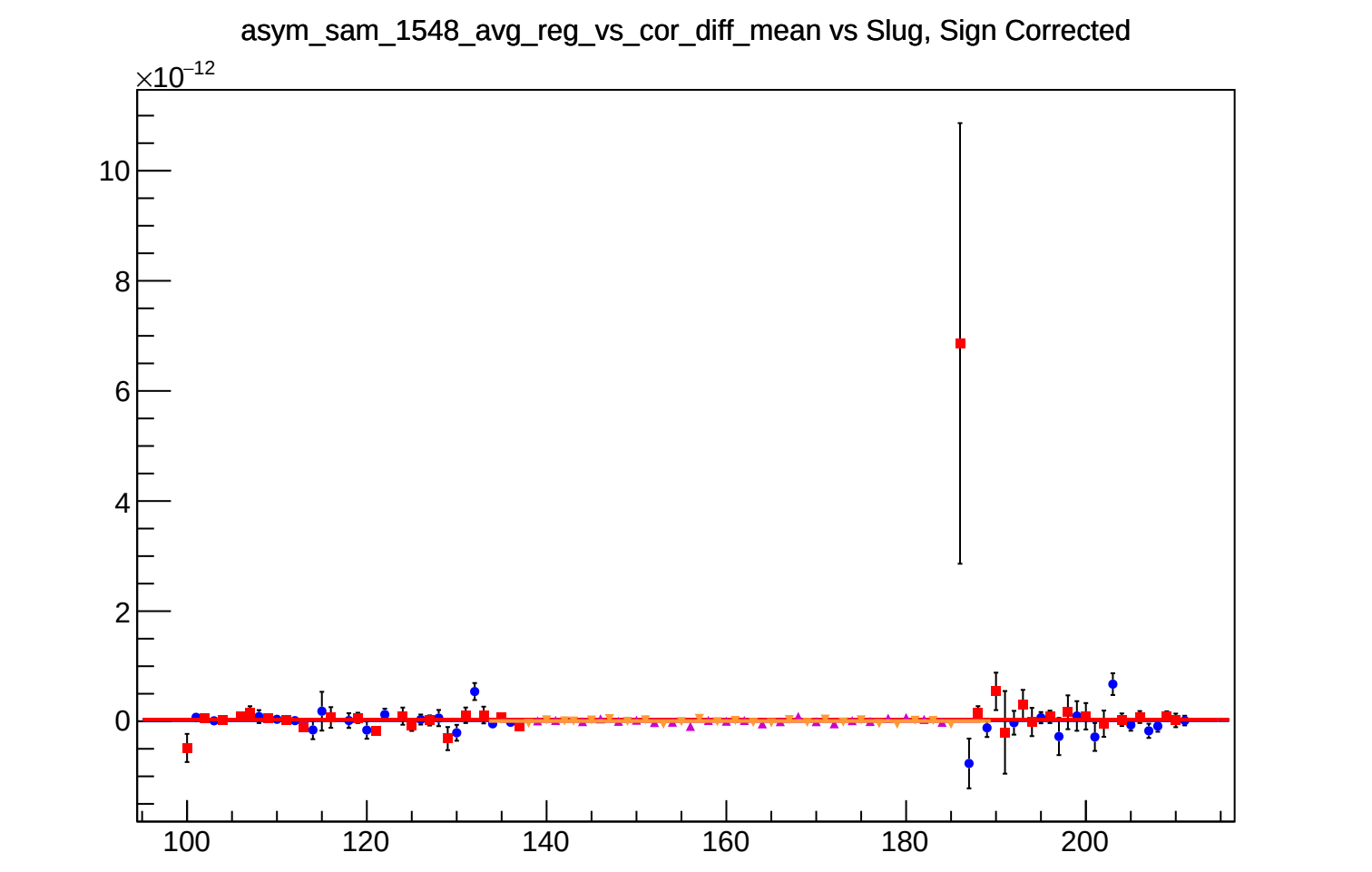
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 803.741+/-0.107 χ^2/NDF: 12975349.1/60

In: 735.967+/-0.093 χ^2/NDF:6503064.8/50

Out: 724.140+/-0.089 χ^2/NDF:8497056.2/57

All: 729.820+/-0.064 χ^2/NDF: 15008571.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/32

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

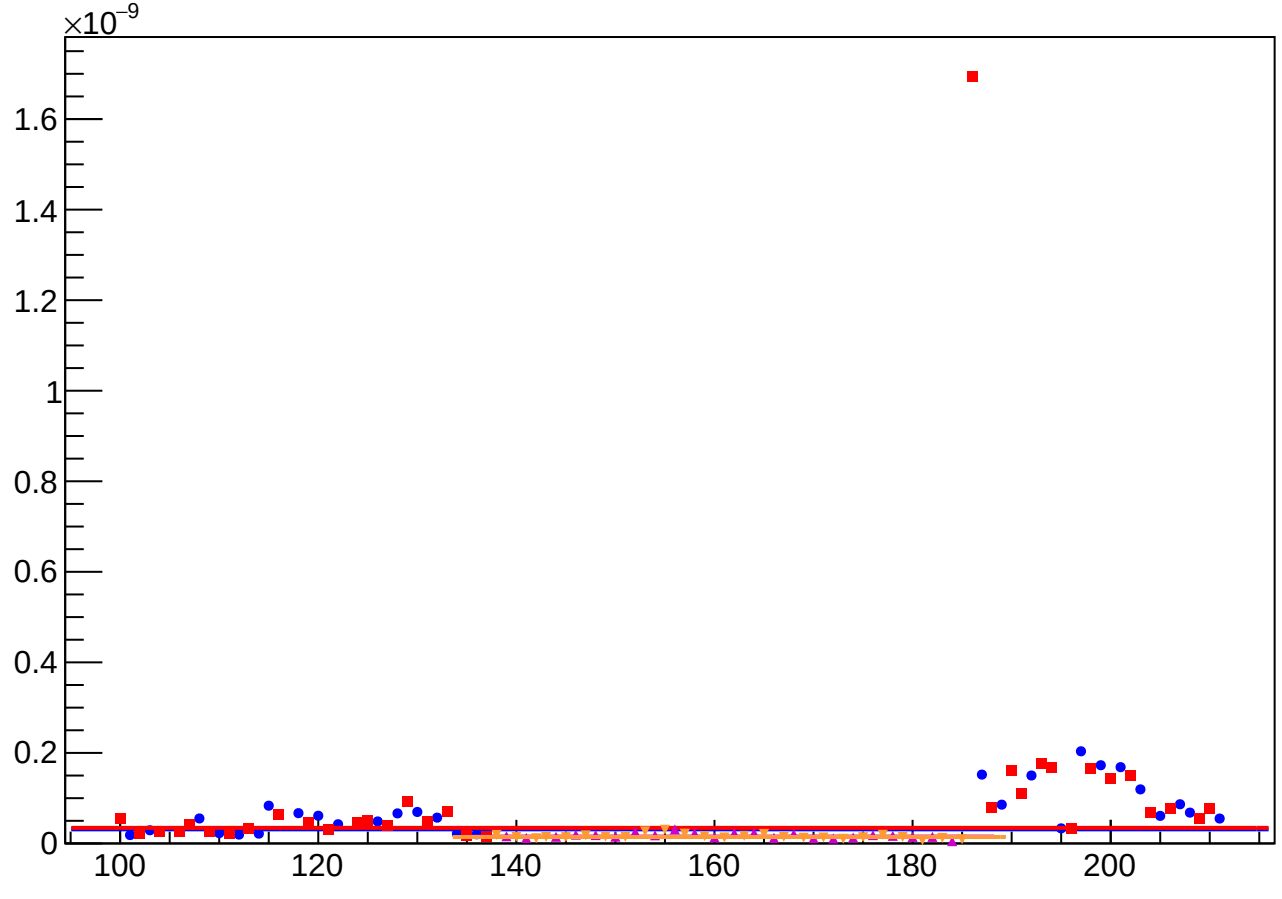
Right: 0.000+/-0.000 χ^2/NDF: 80.2/60

In: 0.000+/-0.000 χ^2/NDF:72.0/50

Out: 0.000+/-0.000 χ^2/NDF:59.5/57

All: 0.000+/-0.000 χ^2/NDF: 131.5/108

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5579698.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5457813.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

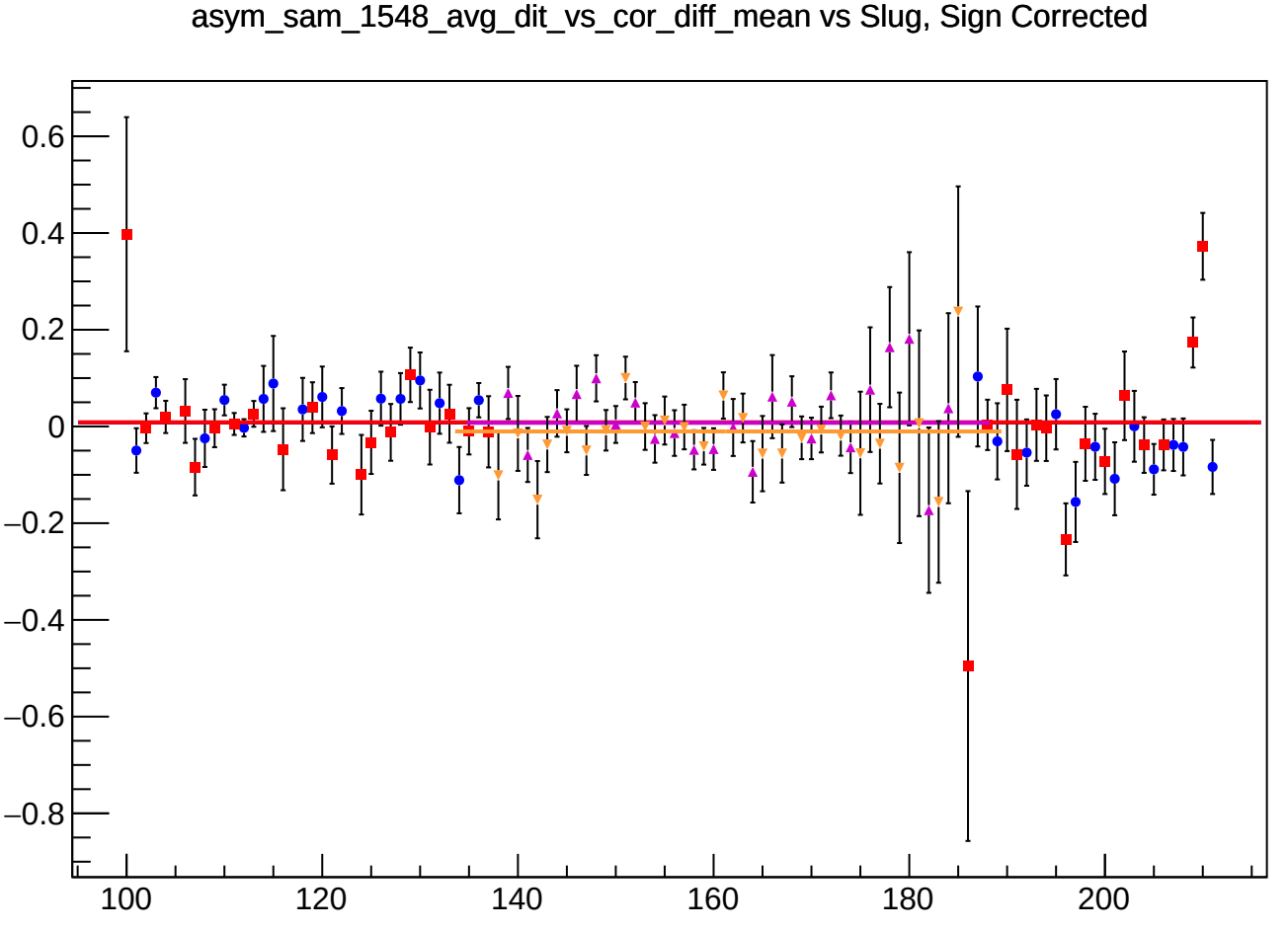
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11087413.3/60

In: 0.000+/-0.000 χ^2/NDF:8823136.0/50

Out: 0.000+/-0.000 χ^2/NDF:9567822.4/57

All: 0.000+/-0.000 χ^2/NDF: 18419215.5/108



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

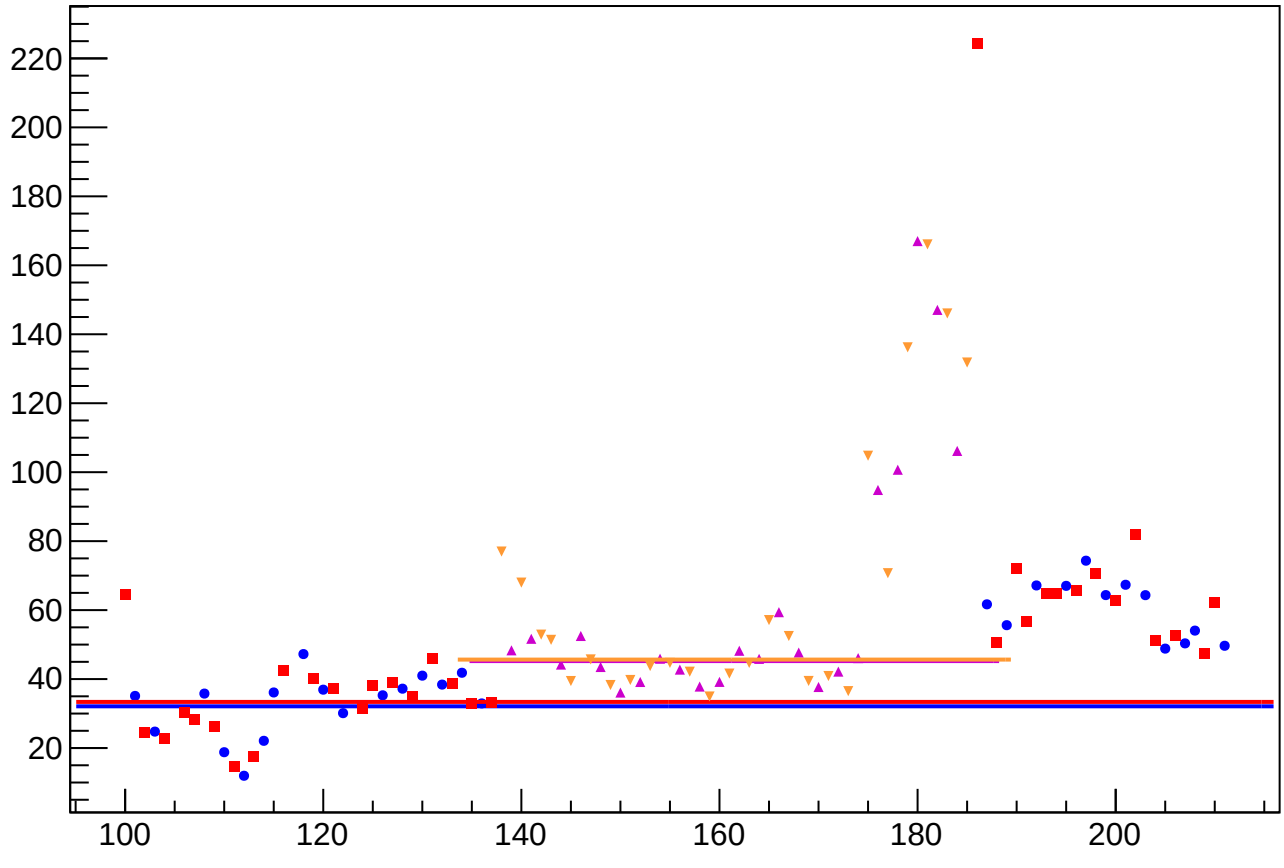
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 103.8/60

In: 0.008+/-0.007 χ^2/NDF:58.7/50

Out: 0.001+/-0.007 χ^2/NDF:88.1/57

All: 0.005+/-0.005 χ^2/NDF: 147.3/108



Right In: 32.100+/-0.006 χ^2/NDF: 7258095.6/27

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 33.378+/-0.006 χ^2/NDF: 7325243.3/32

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

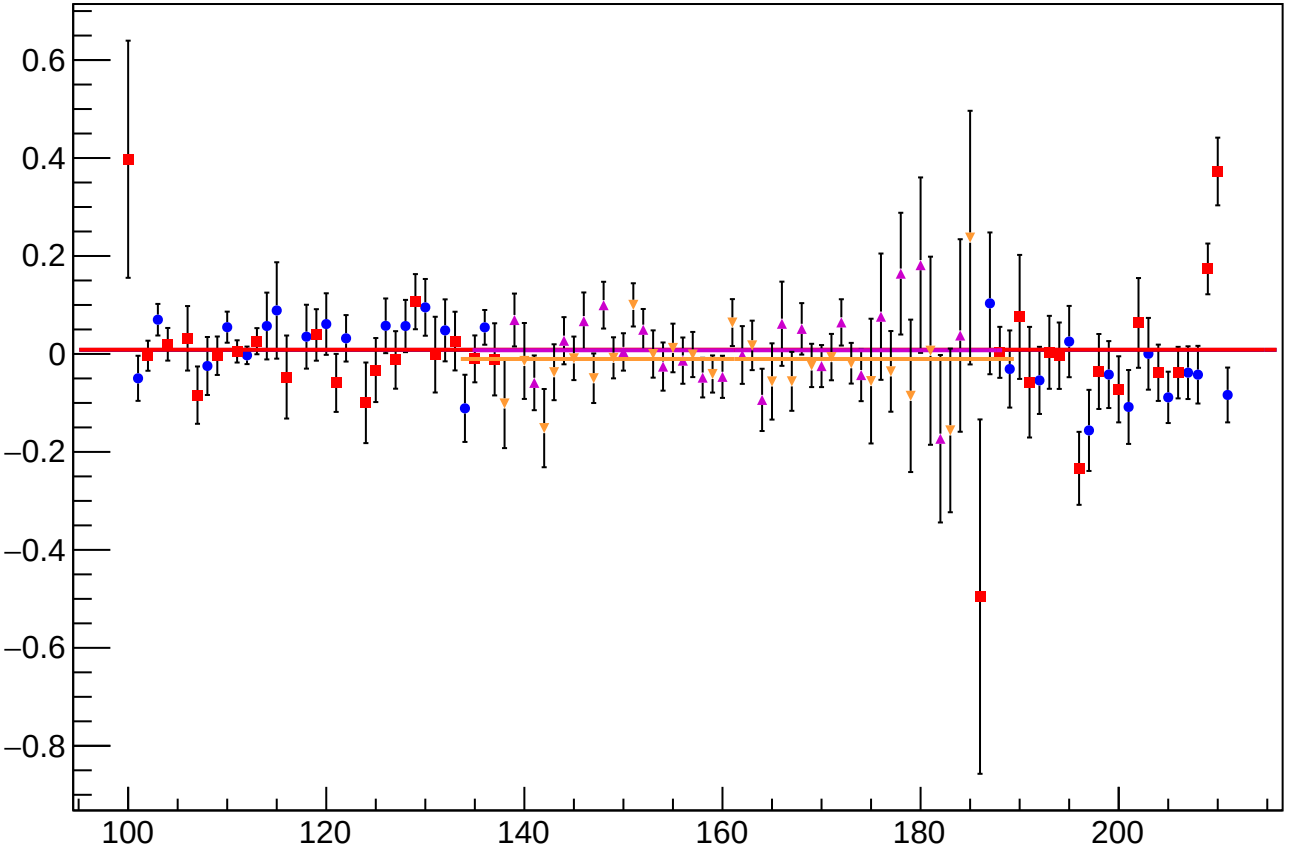
Right: 32.744+/-0.005 χ^2/NDF: 14603077.2/60

In: 37.223+/-0.005 χ^2/NDF:11859939.2/50

Out: 38.191+/-0.005 χ^2/NDF:12780605.2/57

All: 37.712+/-0.004 χ^2/NDF: 24659149.8/108

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

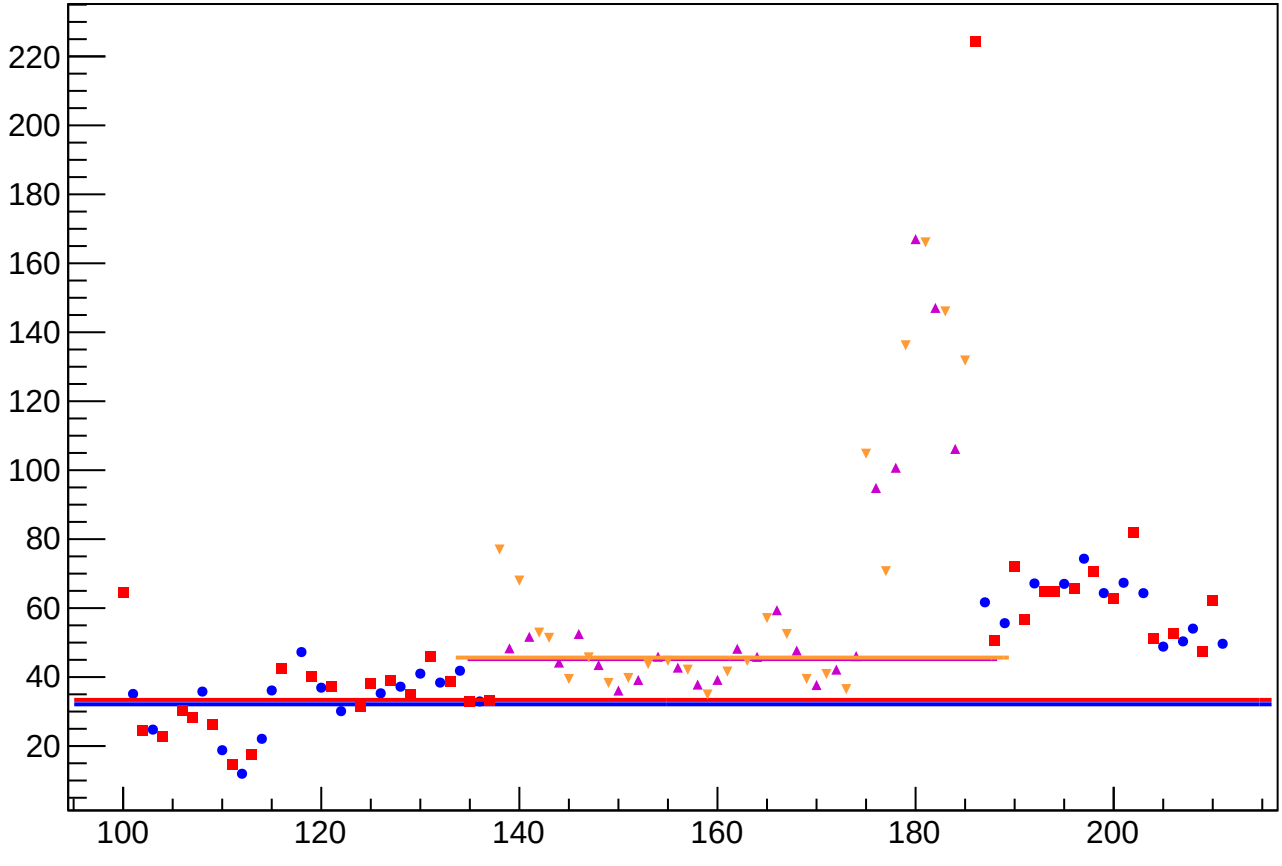
Right: 0.008+/-0.006 χ^2/NDF: 103.8/60

In: 0.008+/-0.007 χ^2/NDF:58.7/50

Out: 0.001+/-0.007 χ^2/NDF:88.1/57

All: 0.005+/-0.005 χ^2/NDF: 147.3/108

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.100+/-0.006 χ^2/NDF: 7258095.6/27

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 33.378+/-0.006 χ^2/NDF: 7325243.3/32

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

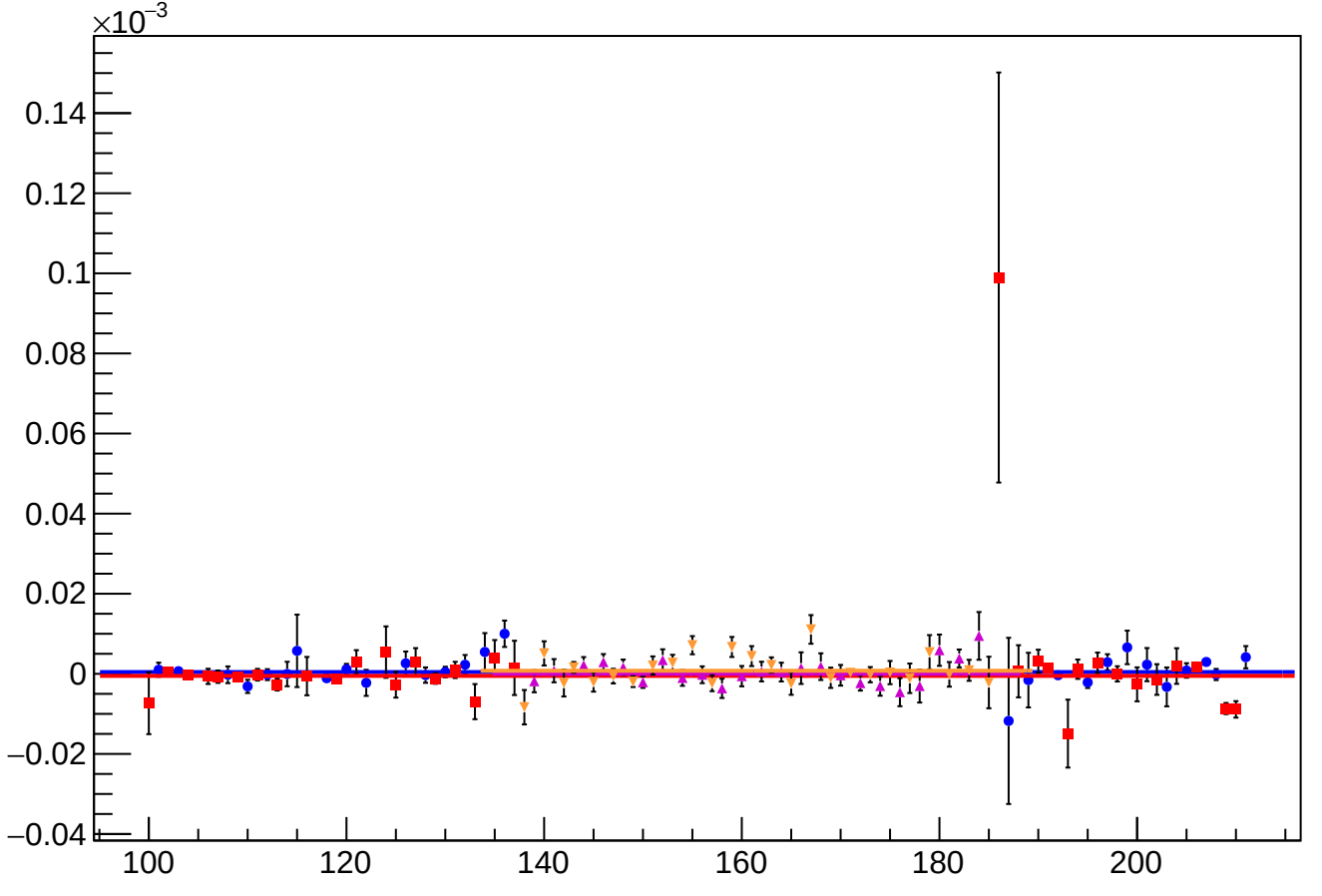
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 32.744+/-0.005 χ^2/NDF: 14603077.2/60

In: 37.223+/-0.005 χ^2/NDF:11859939.2/50

Out: 38.191+/-0.005 χ^2/NDF:12780605.2/57

All: 37.712+/-0.004 χ^2/NDF: 24659149.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 82.9/32

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

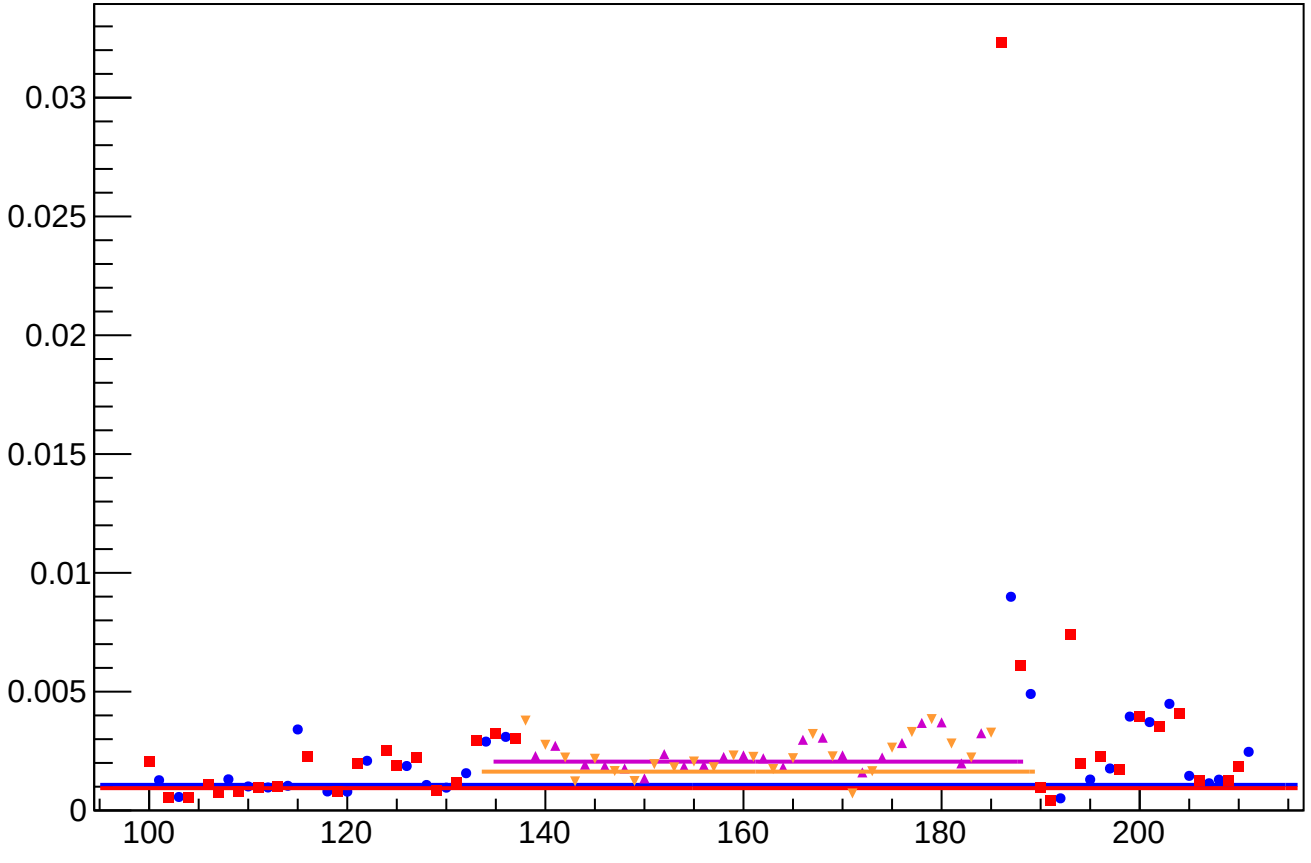
Right: -0.000+/-0.000 χ^2/NDF: 122.3/60

In: 0.000+/-0.000 χ^2/NDF:59.5/50

Out: -0.000+/-0.000 χ^2/NDF:135.6/57

All: 0.000+/-0.000 χ^2/NDF: 196.4/108

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8019924.7/27

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12437819.9/32

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

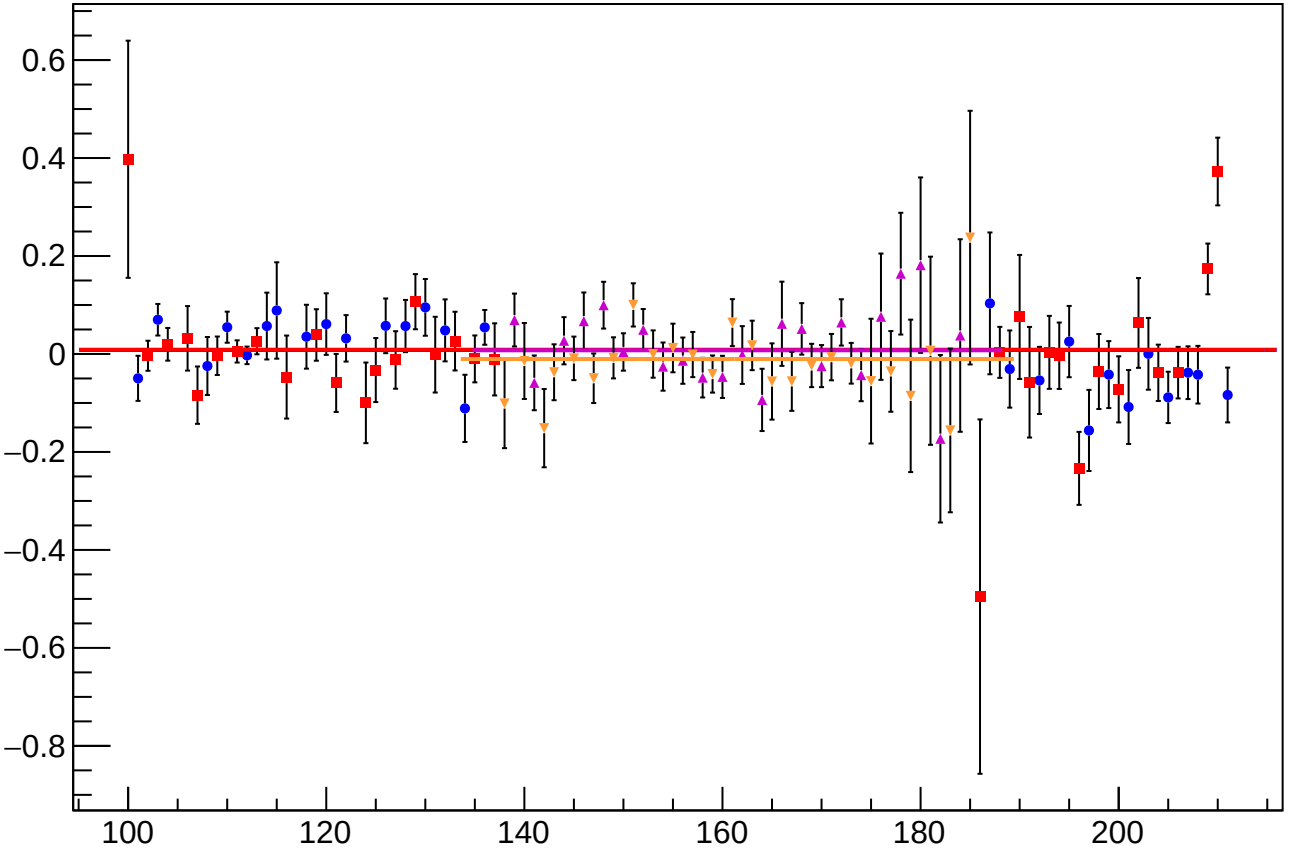
Right: 0.001+/-0.000 χ^2/NDF: 20667355.8/60

In: 0.001+/-0.000 χ^2/NDF:15496253.5/50

Out: 0.001+/-0.000 χ^2/NDF:22817737.5/57

All: 0.001+/-0.000 χ^2/NDF: 38952730.0/108

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

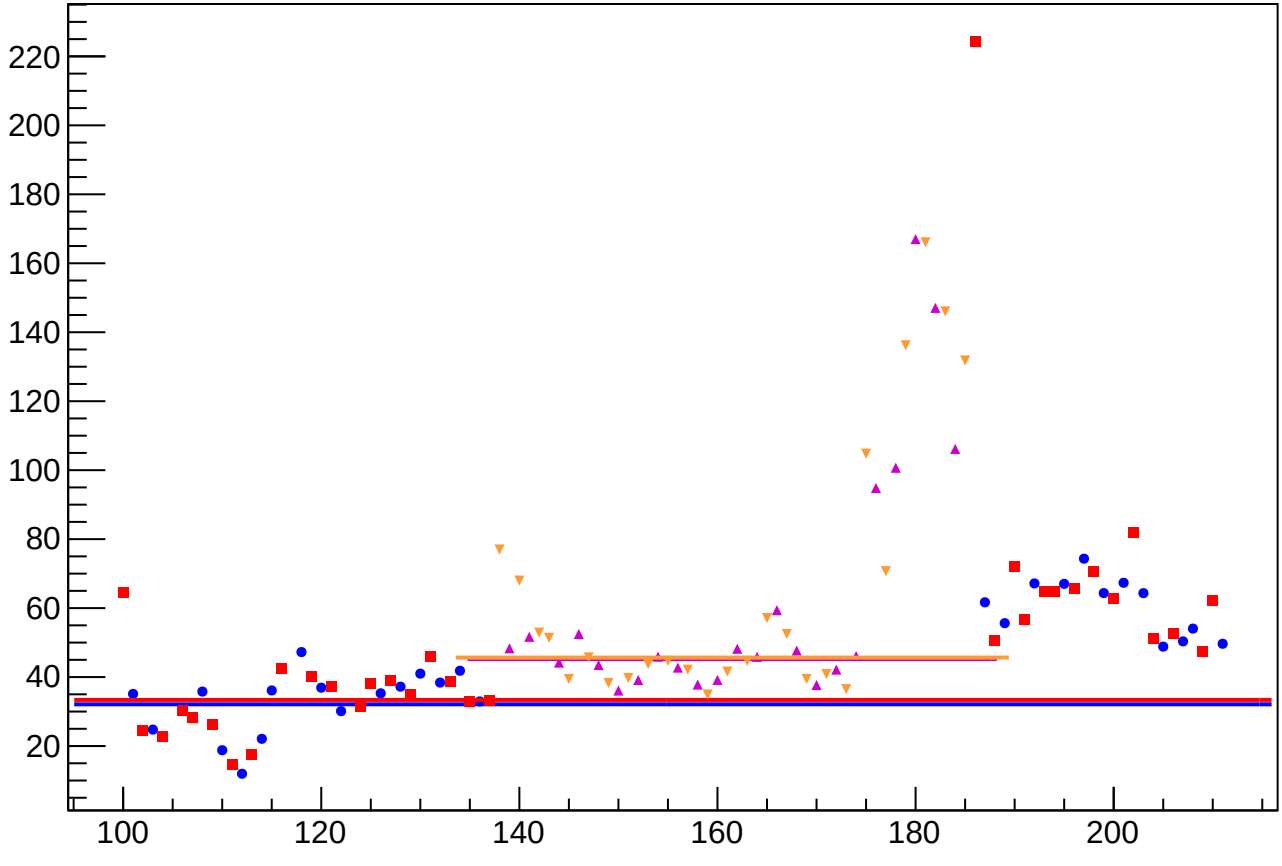
Right: 0.008+/-0.006 χ^2/NDF: 103.8/60

In: 0.008+/-0.007 χ^2/NDF:58.7/50

Out: 0.001+/-0.007 χ^2/NDF:88.1/57

All: 0.005+/-0.005 χ^2/NDF: 147.3/108

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.099+/-0.006 χ^2/NDF: 7258392.2/27

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 33.377+/-0.006 χ^2/NDF: 7325499.7/32

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

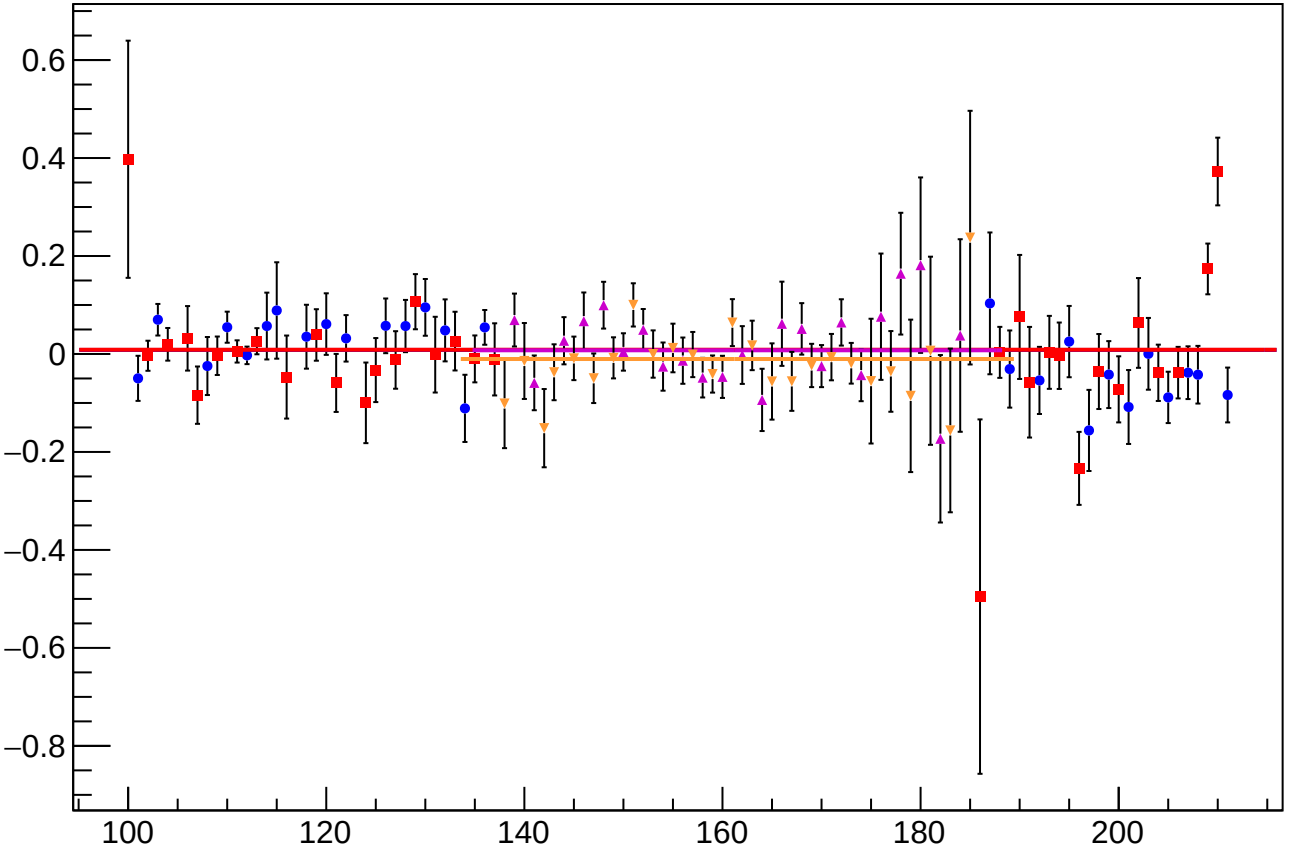
Right: 32.744+/-0.005 χ^2/NDF: 14603635.6/60

In: 37.223+/-0.005 χ^2/NDF:11860405.8/50

Out: 38.191+/-0.005 χ^2/NDF:12780977.9/57

All: 37.712+/-0.004 χ^2/NDF: 24659993.9/108

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 35.4/27

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.009+/-0.009 χ^2/NDF: 68.4/32

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

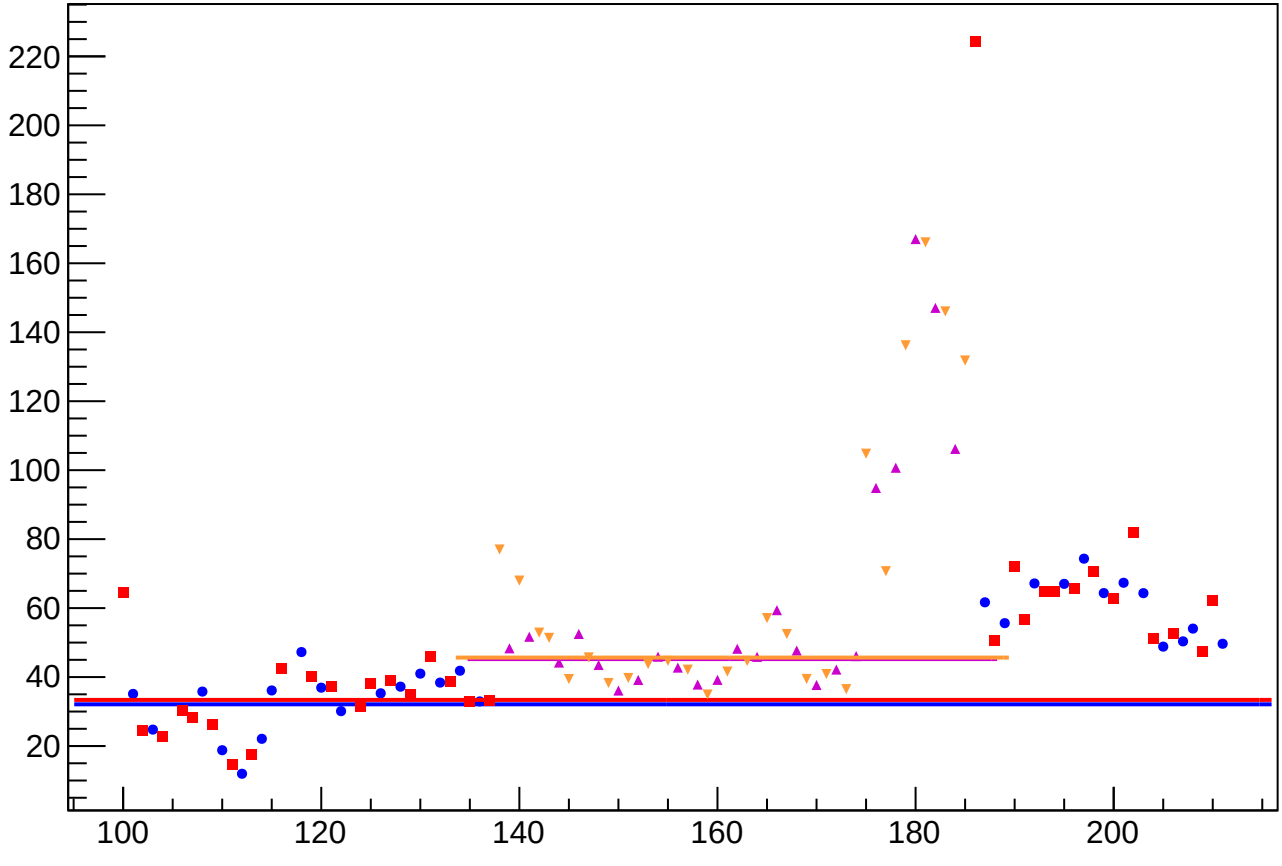
Right: 0.008+/-0.006 χ^2/NDF: 103.8/60

In: 0.008+/-0.007 χ^2/NDF:58.7/50

Out: 0.001+/-0.007 χ^2/NDF:88.1/57

All: 0.005+/-0.005 χ^2/NDF: 147.3/108

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.099+/-0.006 χ^2/NDF: 7258392.2/27

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 33.377+/-0.006 χ^2/NDF: 7325499.7/32

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

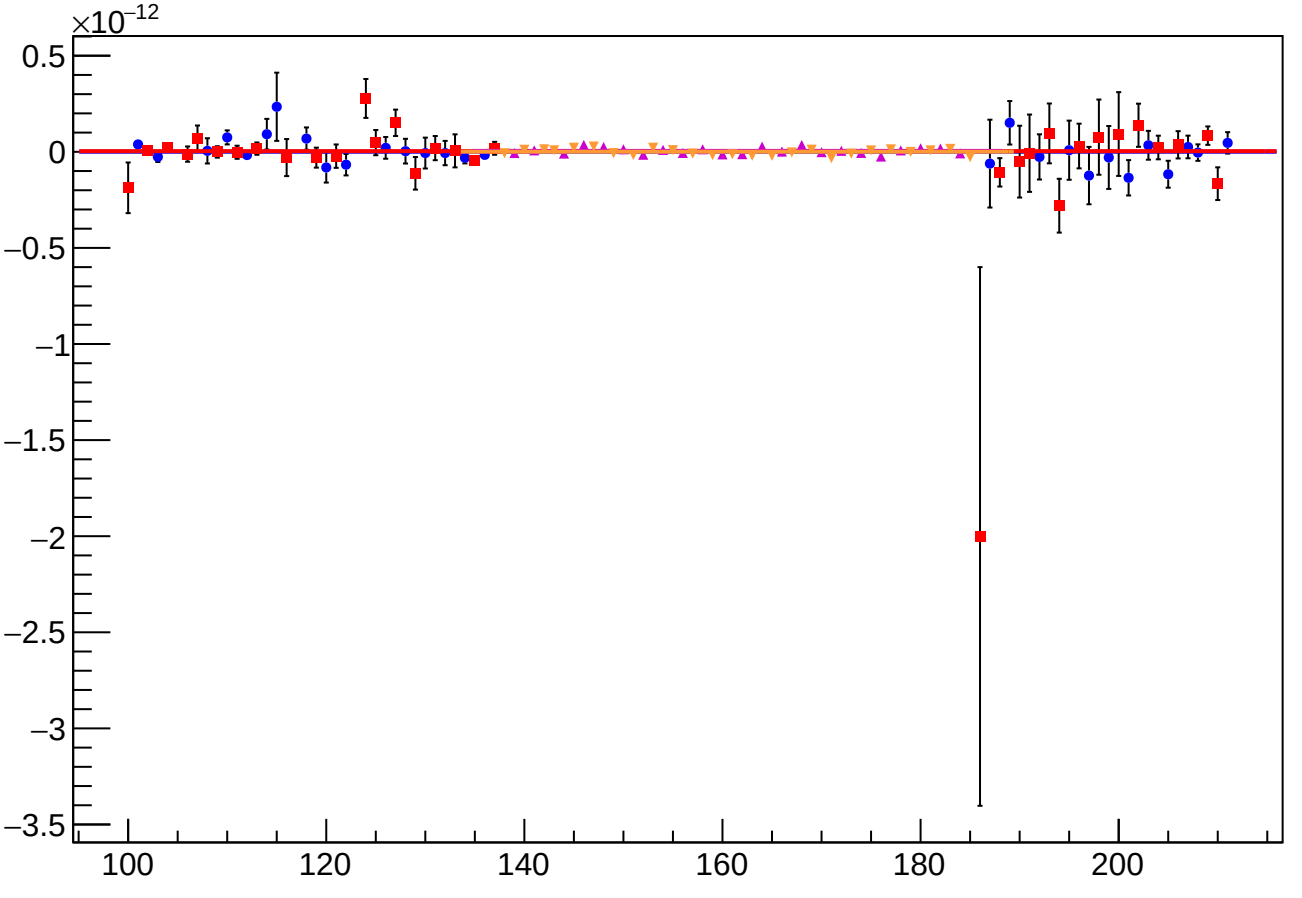
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 32.744+/-0.005 χ^2/NDF: 14603635.6/60

In: 37.223+/-0.005 χ^2/NDF:11860405.8/50

Out: 38.191+/-0.005 χ^2/NDF:12780977.9/57

All: 37.712+/-0.004 χ^2/NDF: 24659993.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/32

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

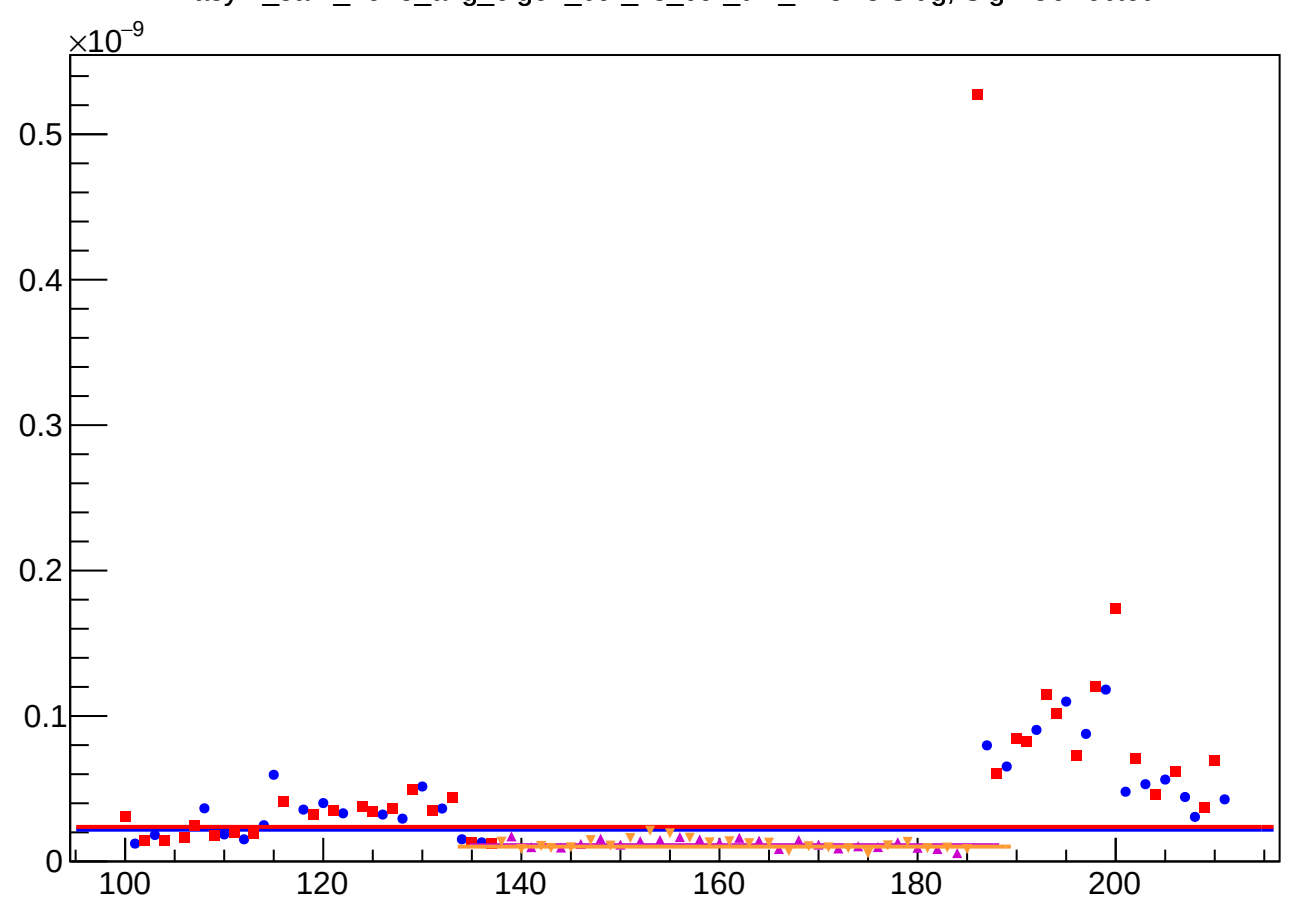
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 68.7/60

In: 0.000+/-0.000 χ^2/NDF:51.3/50

Out: 0.000+/-0.000 χ^2/NDF:66.7/57

All: 0.000+/-0.000 χ^2/NDF: 118.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 6789881.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8308920.2/32

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

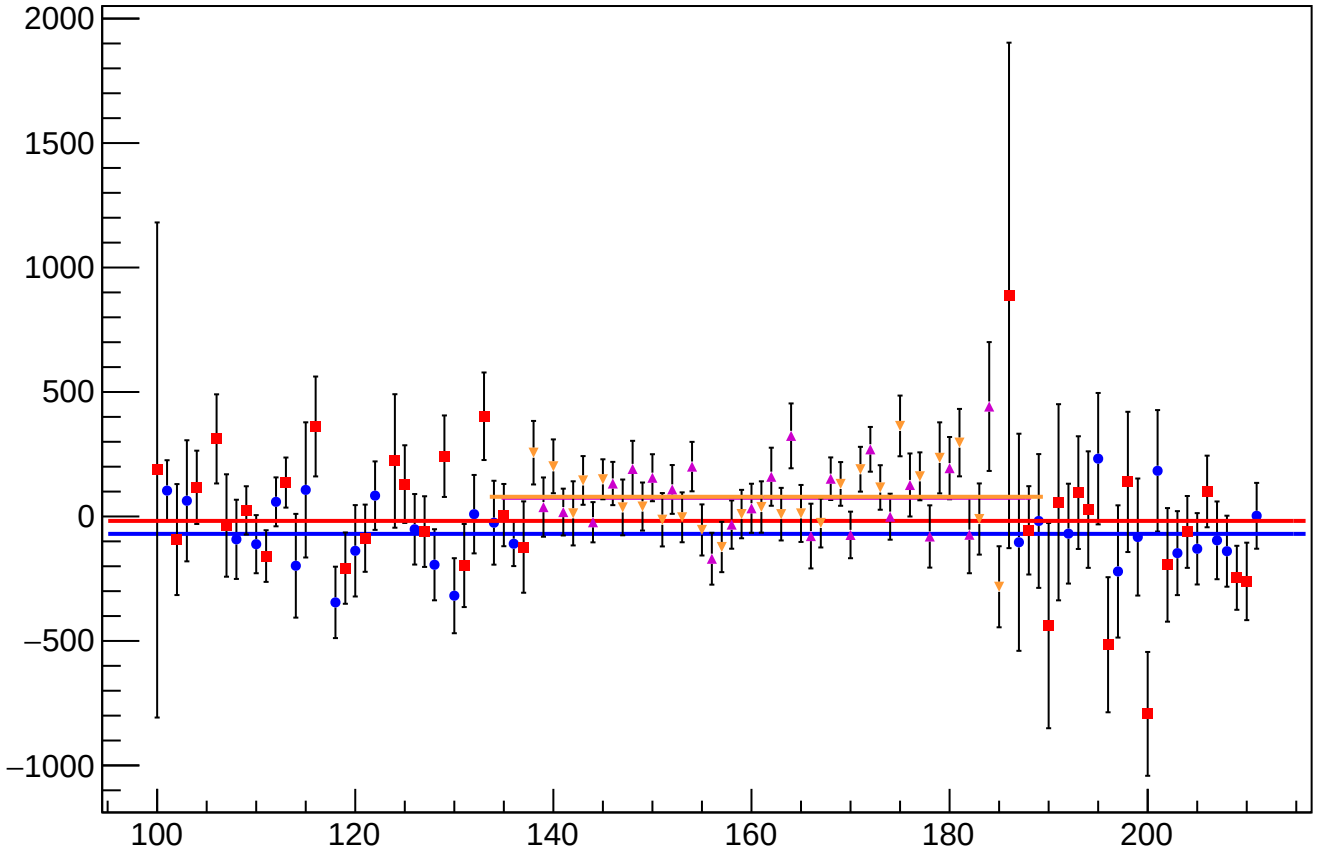
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15152293.0/60

In: 0.000+/-0.000 χ^2/NDF:11335870.5/50

Out: 0.000+/-0.000 χ^2/NDF:15036918.5/57

All: 0.000+/-0.000 χ^2/NDF: 26490767.7/108



Right In: -69.893+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -17.793+/-28.923 χ^2/NDF: 48.5/32

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

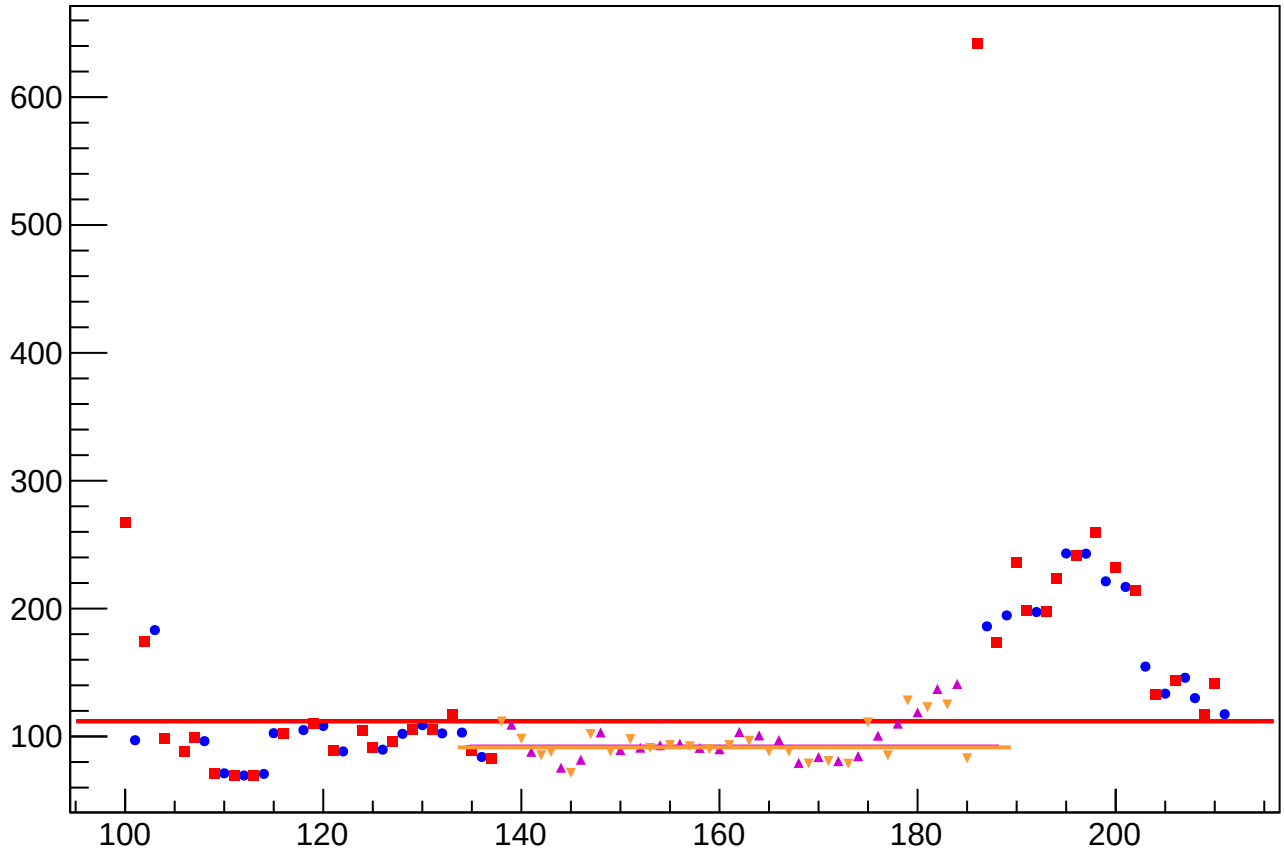
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -43.330+/-20.652 χ^2/NDF: 67.8/60

In: 23.738+/-17.551 χ^2/NDF:66.0/50

Out: 45.439+/-17.047 χ^2/NDF:87.8/57

All: 34.905+/-12.229 χ^2/NDF: 154.6/108



Right In: 111.767+/-0.021 χ^2/NDF: 3947666.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 112.100+/-0.020 χ^2/NDF: 5462590.1/32

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

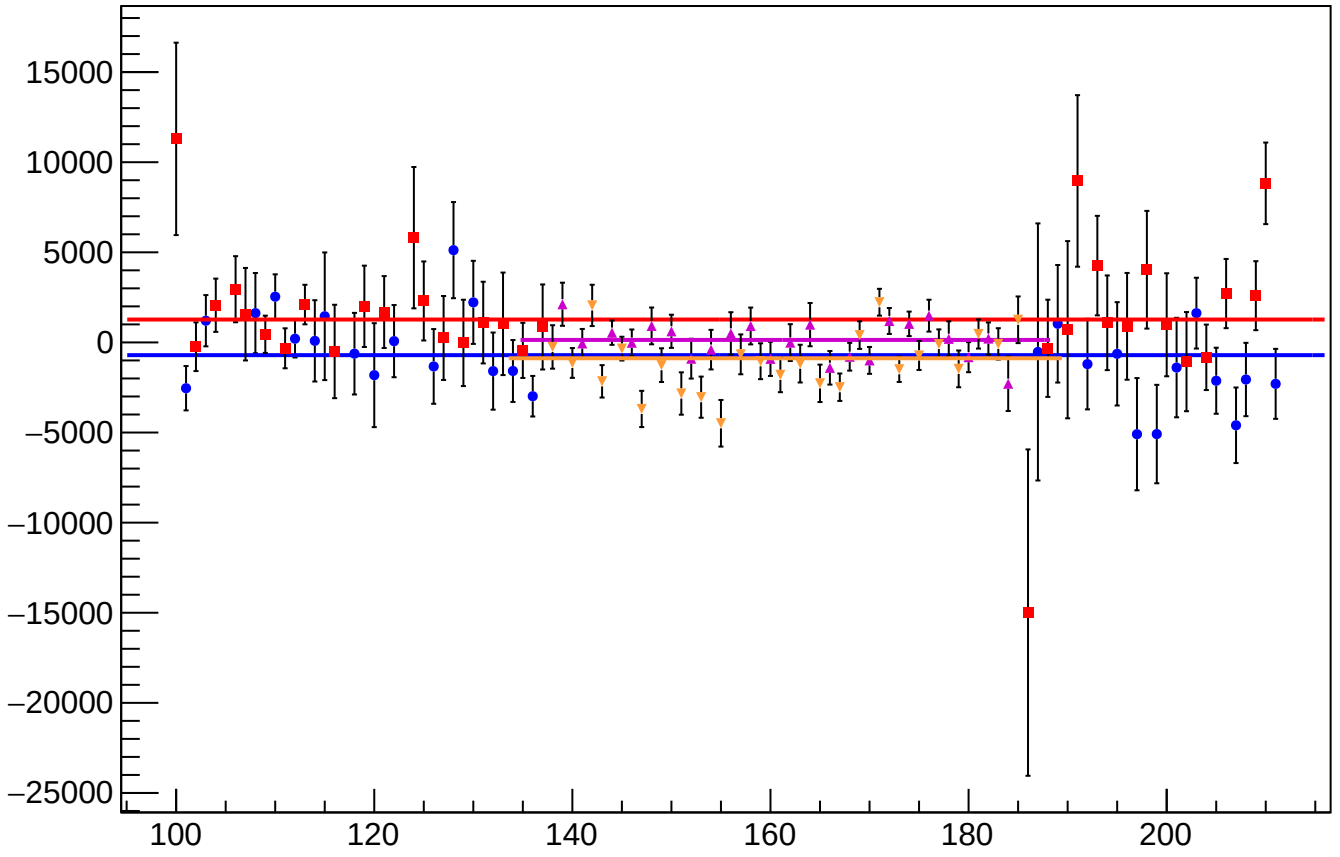
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 111.937+/-0.015 χ^2/NDF: 9410387.1/60

In: 99.062+/-0.012 χ^2/NDF:5221512.1/50

Out: 98.631+/-0.012 χ^2/NDF:6878368.2/57

All: 98.841+/-0.009 χ^2/NDF: 12100501.8/108



Right In: -706.162+/-359.587 χ^2/NDF: 36.0/27

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1270.174+/-348.364 χ^2/NDF: 35.5/32

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

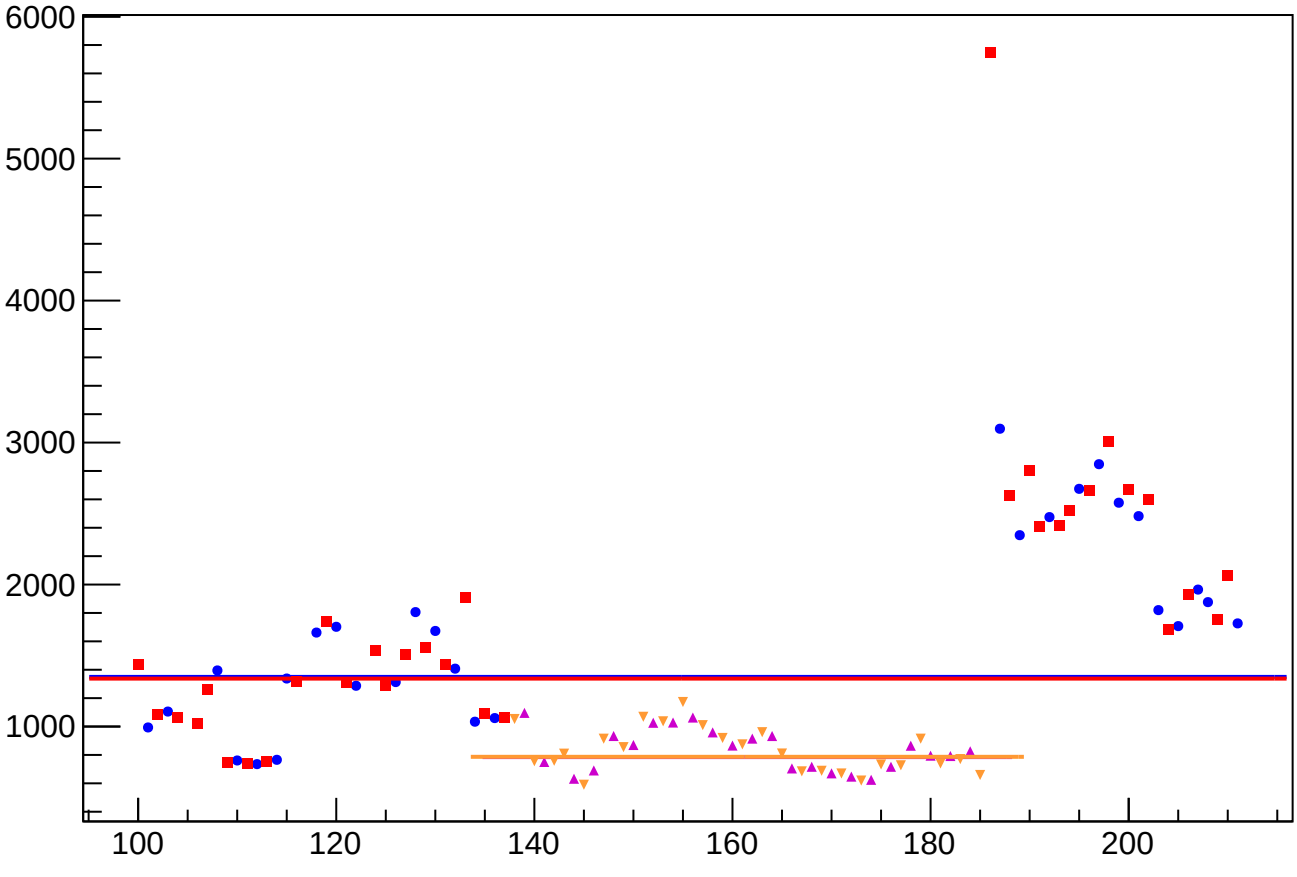
Right: 313.329+/-250.204 χ^2/NDF: 87.1/60

In: -40.481+/-165.609 χ^2/NDF:64.6/50

Out: -417.004+/-161.443 χ^2/NDF:133.1/57

All: -233.538+/-115.602 χ^2/NDF: 200.3/108

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1349.546+/-0.254 χ^2/NDF: 4790020.6/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1337.669+/-0.246 χ^2/NDF: 6509192.8/32

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

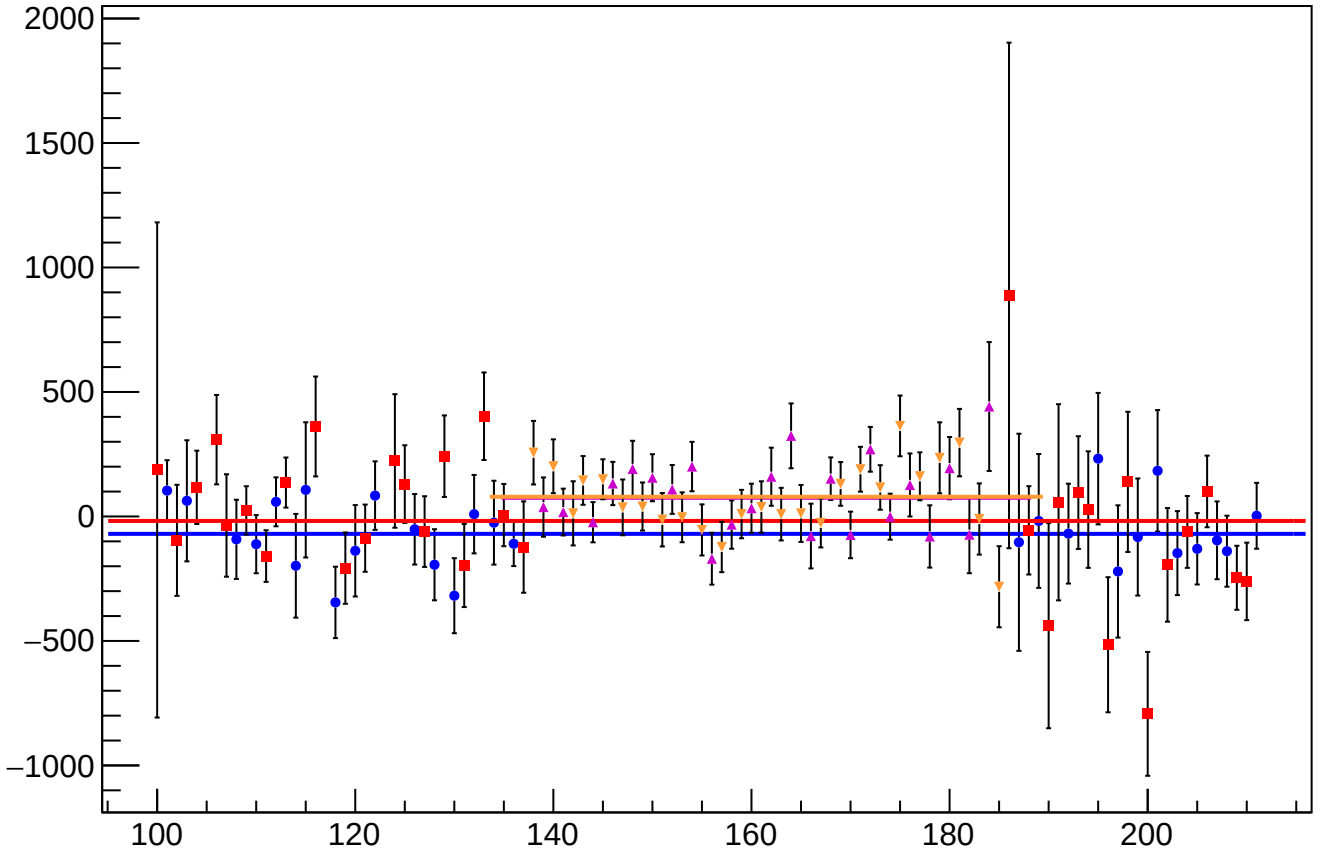
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1343.419+/-0.177 χ^2/NDF: 11300338.8/60

In: 904.614+/-0.117 χ^2/NDF:9740137.0/50

Out: 905.077+/-0.114 χ^2/NDF:11647664.3/57

All: 904.851+/-0.082 χ^2/NDF: 21387809.3/10



Right In: -69.903+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -17.978+/-28.926 χ^2/NDF: 48.4/32

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

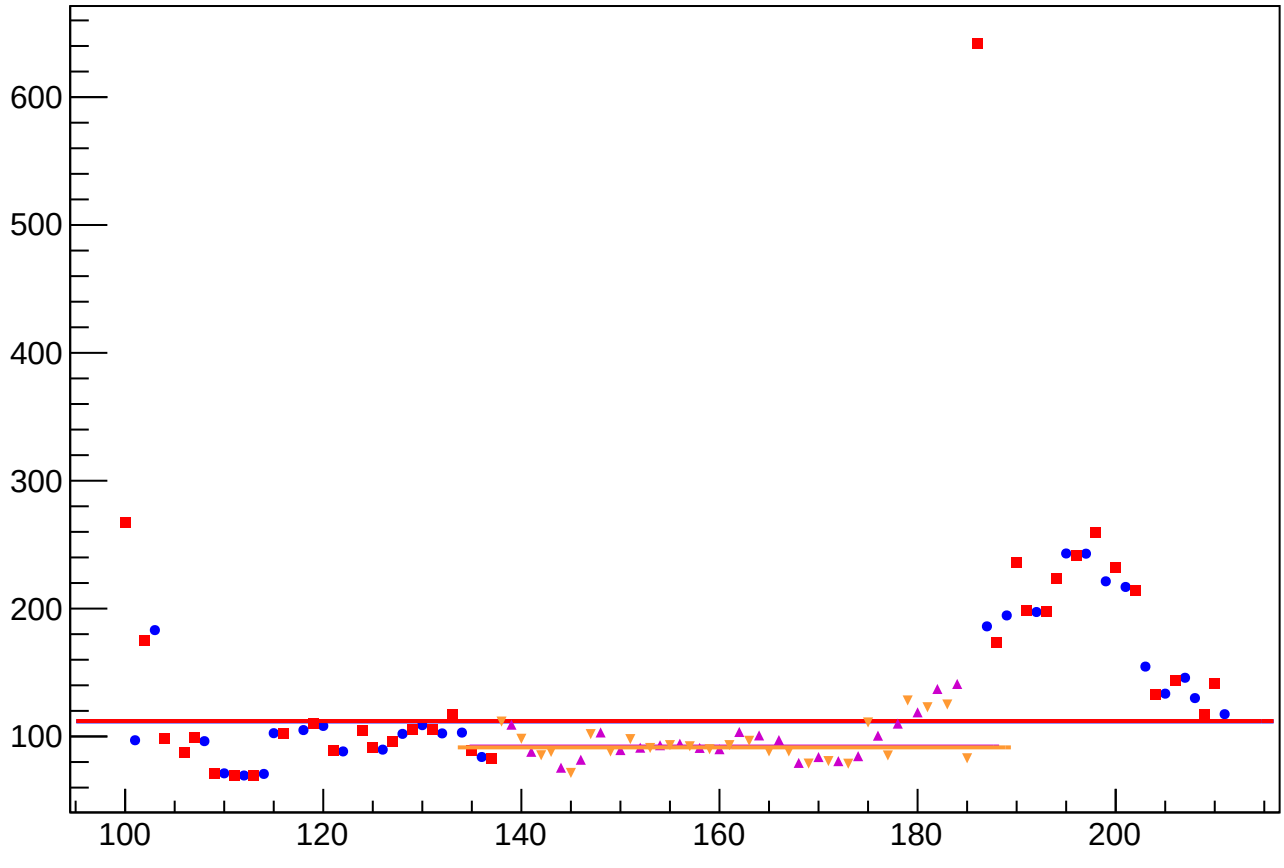
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -43.432+/-20.653 χ^2/NDF: 67.7/60

In: 23.735+/-17.551 χ^2/NDF:66.0/50

Out: 45.385+/-17.048 χ^2/NDF:87.7/57

All: 34.875+/-12.229 χ^2/NDF: 154.5/108



Right In: 111.767+/-0.021 χ^2/NDF: 3947669.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 112.070+/-0.020 χ^2/NDF: 5466532.5/32

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

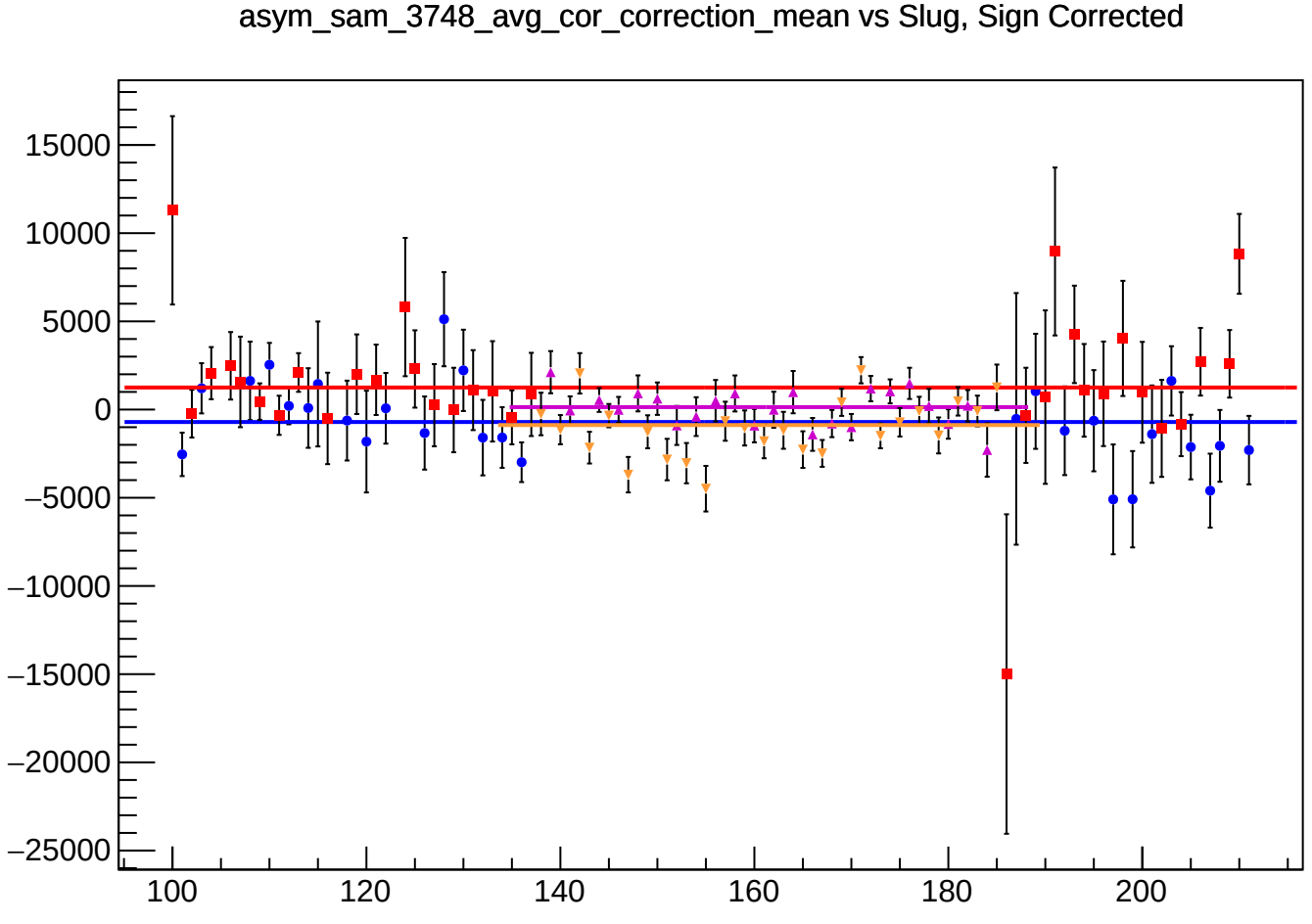
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 111.921+/-0.015 χ^2/NDF: 9414310.1/60

In: 99.062+/-0.012 χ^2/NDF:5221515.2/50

Out: 98.620+/-0.012 χ^2/NDF:6880304.2/57

All: 98.835+/-0.009 χ^2/NDF: 12102473.7/108



Right In: -706.181+/-359.589 χ^2/NDF: 36.0/27

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1250.133+/-348.894 χ^2/NDF: 35.1/32

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

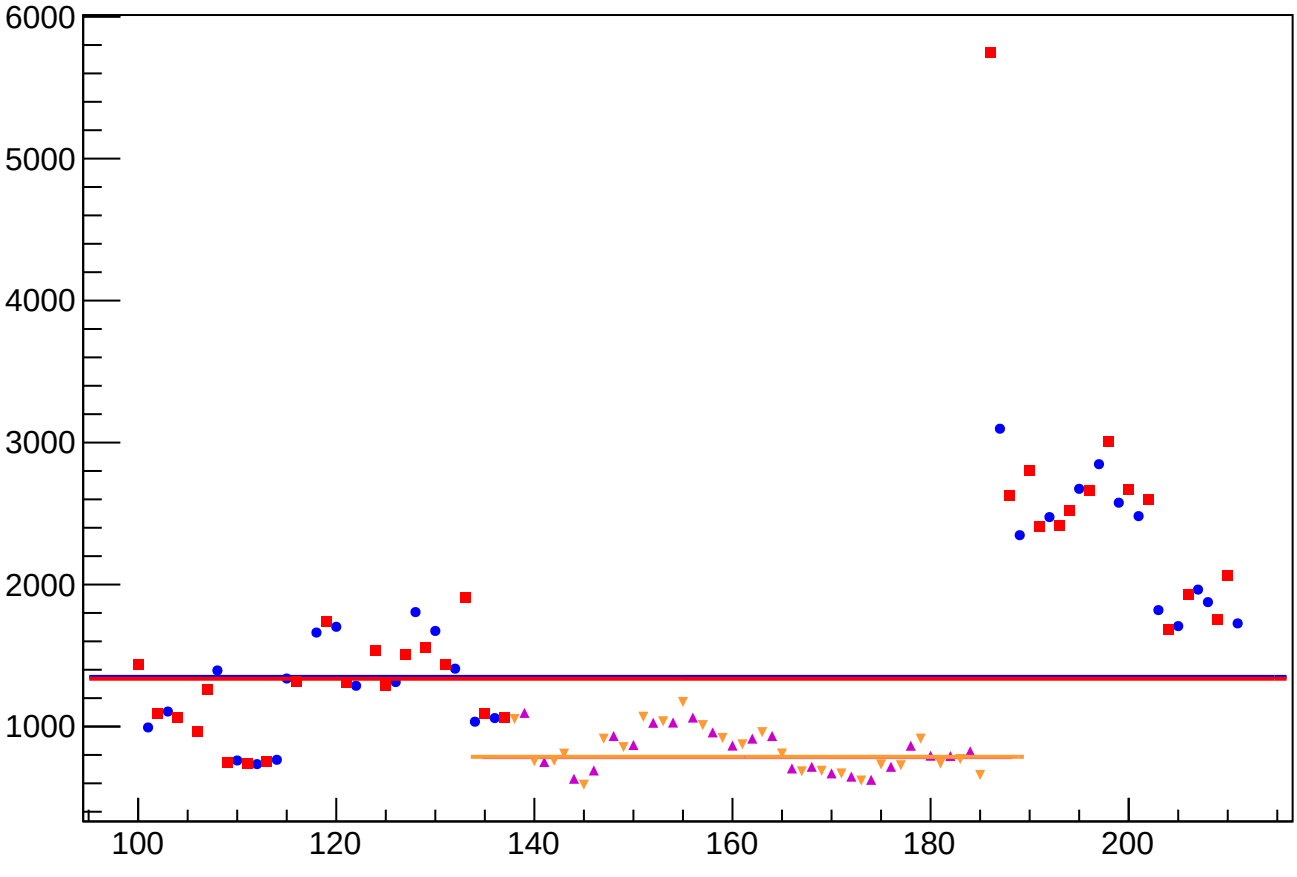
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 301.500+/-250.401 χ^2/NDF: 86.3/60

In: -40.481+/-165.609 χ^2/NDF:64.6/50

Out: -422.392+/-161.495 χ^2/NDF:132.0/57

All: -236.239+/-115.621 χ^2/NDF: 199.3/108



Right In: 1349.555+/-0.254 χ^2/NDF: 4789961.7/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF: 6525139.7/32

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

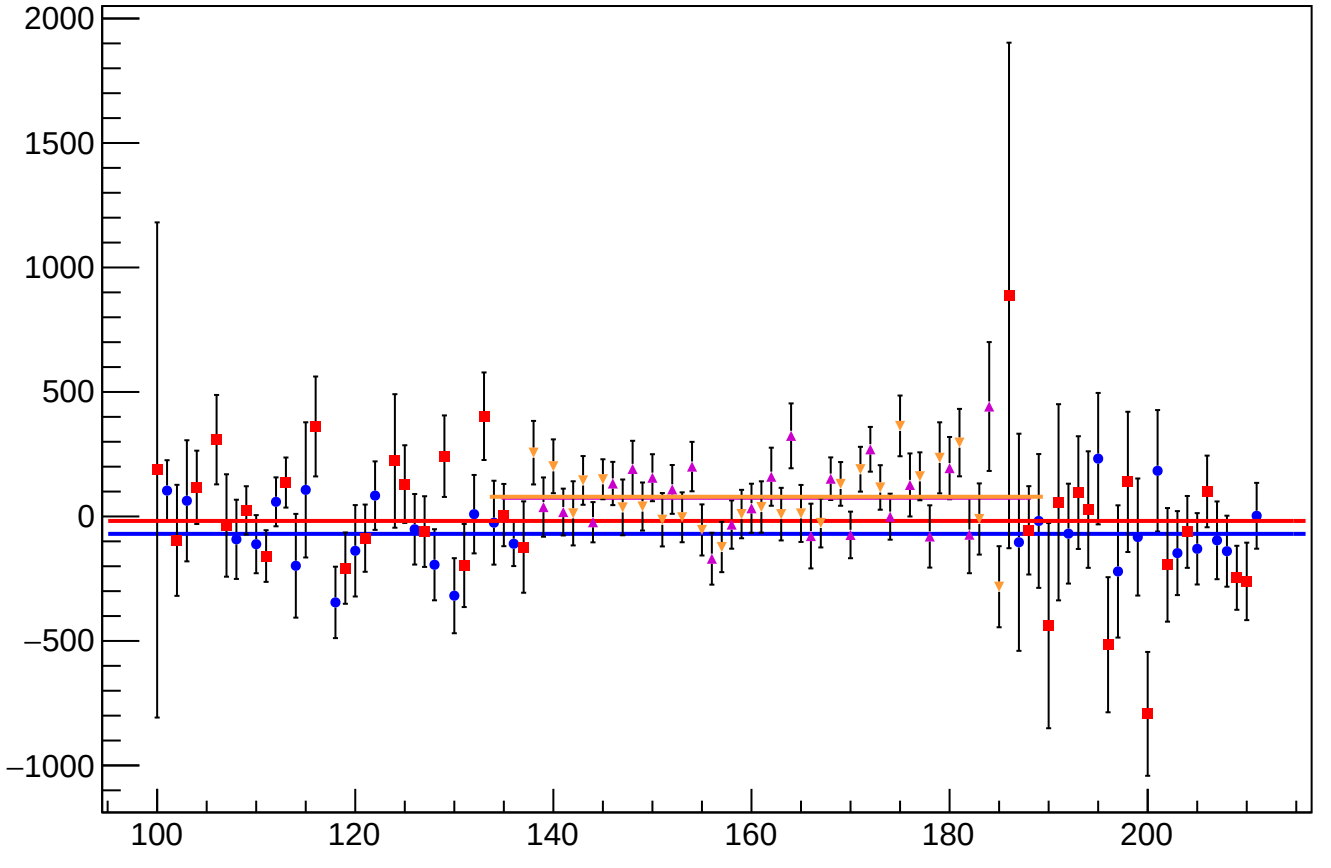
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1342.975+/-0.177 χ^2/NDF: 11316401.6/60

In: 904.615+/-0.117 χ^2/NDF:9740170.6/50

Out: 904.604+/-0.114 χ^2/NDF:11641608.2/57

All: 904.609+/-0.082 χ^2/NDF: 21381778.7/10



Right In: -69.903+/-29.499 χ^2/NDF: 17.8/27

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -17.978+/-28.926 χ^2/NDF: 48.4/32

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

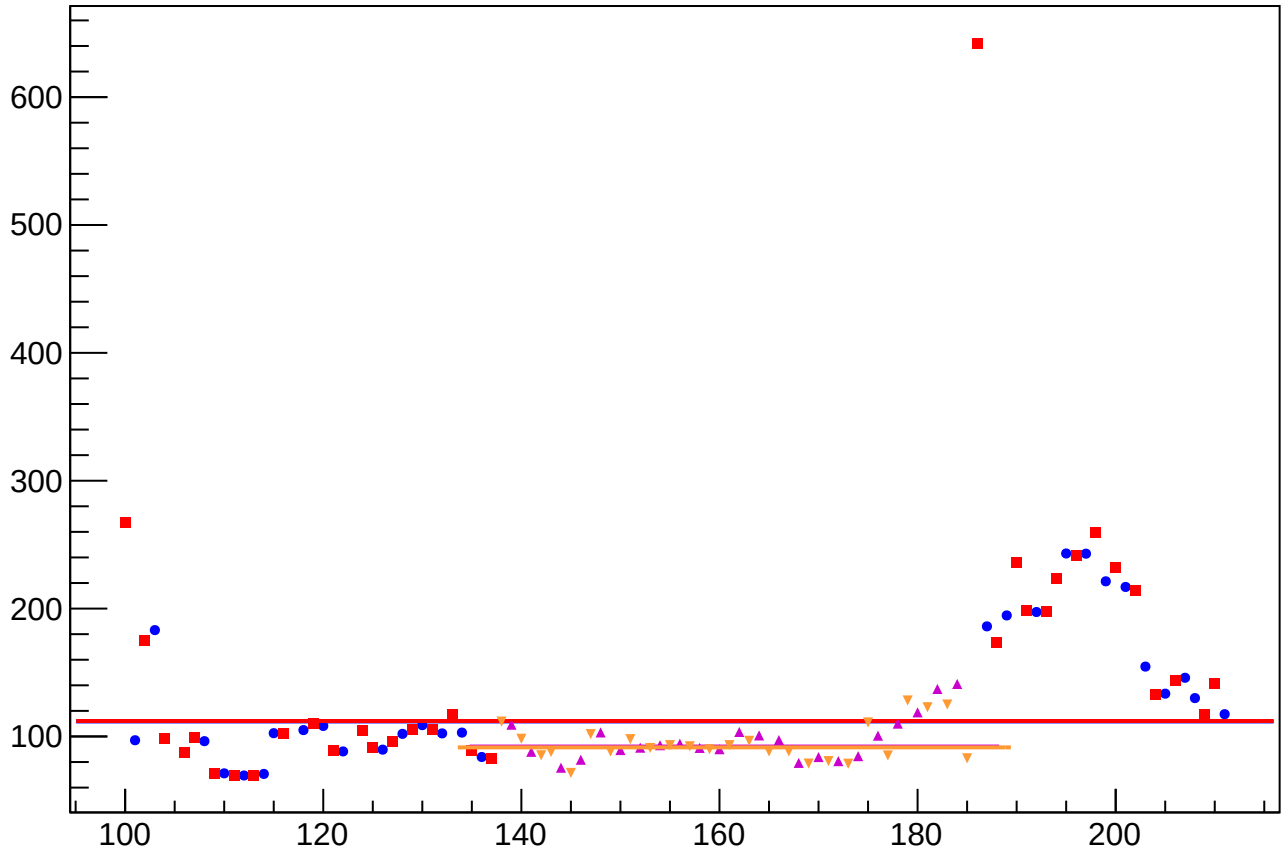
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -43.432+/-20.653 χ^2/NDF: 67.7/60

In: 23.735+/-17.551 χ^2/NDF:66.0/50

Out: 45.385+/-17.048 χ^2/NDF:87.7/57

All: 34.875+/-12.229 χ^2/NDF: 154.5/108



Right In: 111.767+/-0.021 χ^2/NDF: 3947669.9/27

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 112.070+/-0.020 χ^2/NDF: 5466532.5/32

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

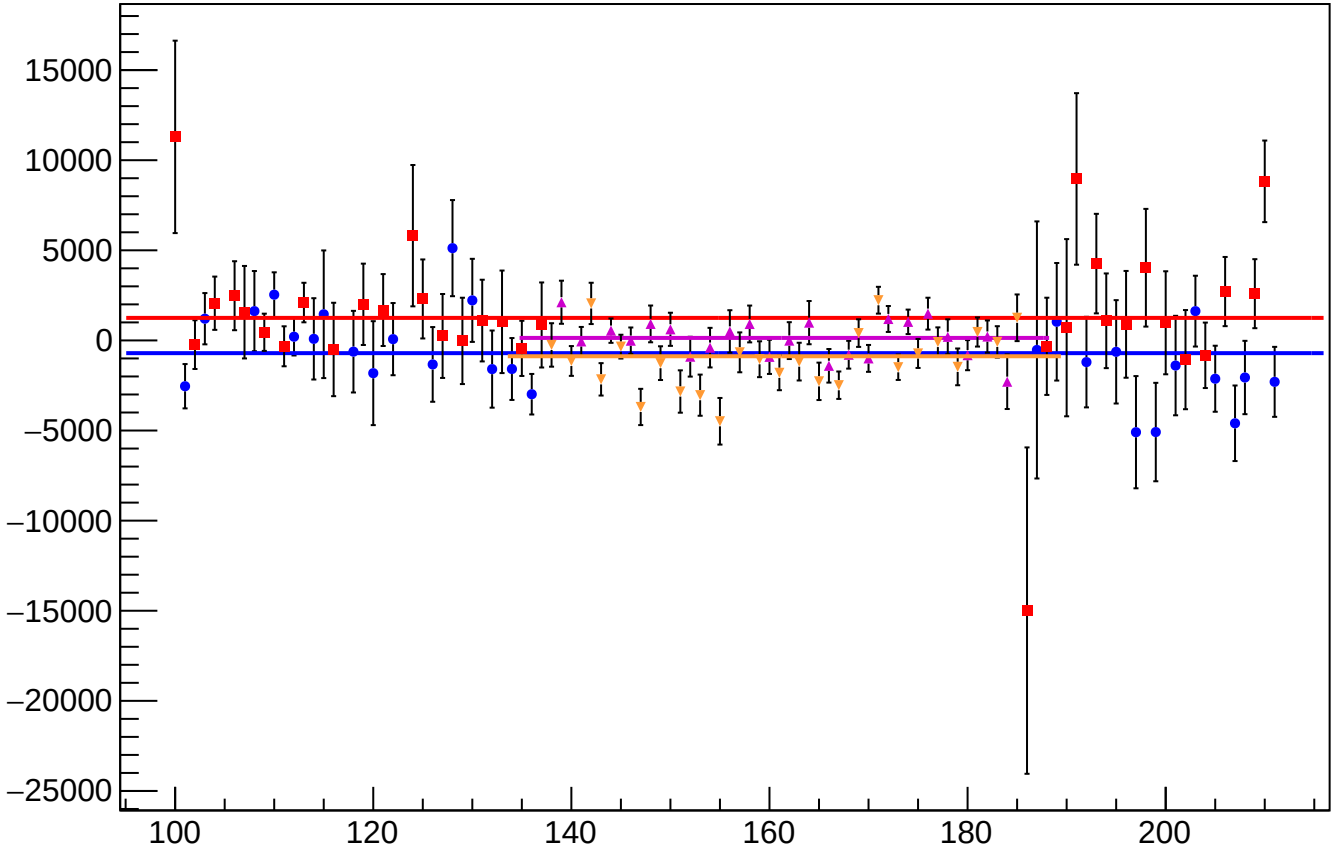
Right: 111.921+/-0.015 χ^2/NDF: 9414310.1/60

In: 99.062+/-0.012 χ^2/NDF:5221515.2/50

Out: 98.620+/-0.012 χ^2/NDF:6880304.2/57

All: 98.835+/-0.009 χ^2/NDF: 12102473.7/108

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -706.181+/-359.589 χ^2/NDF: 36.0/27

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1250.133+/-348.894 χ^2/NDF: 35.1/32

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

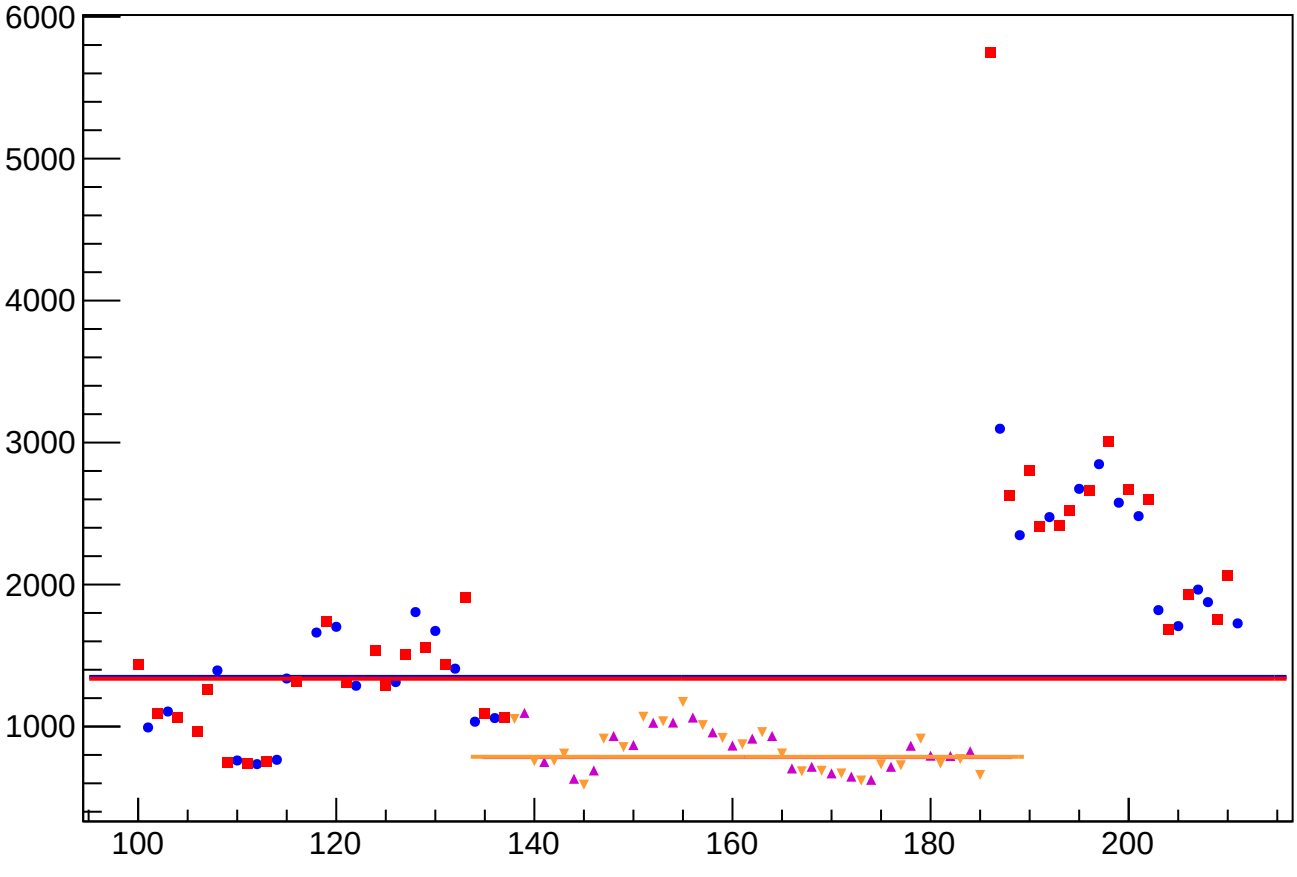
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 301.500+/-250.401 χ^2/NDF: 86.3/60

In: -40.481+/-165.609 χ^2/NDF:64.6/50

Out: -422.392+/-161.495 χ^2/NDF:132.0/57

All: -236.239+/-115.621 χ^2/NDF: 199.3/108



Right In: 1349.555+/-0.254 χ^2/NDF: 4789961.7/27

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1336.781+/-0.247 χ^2/NDF: 6525139.7/32

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

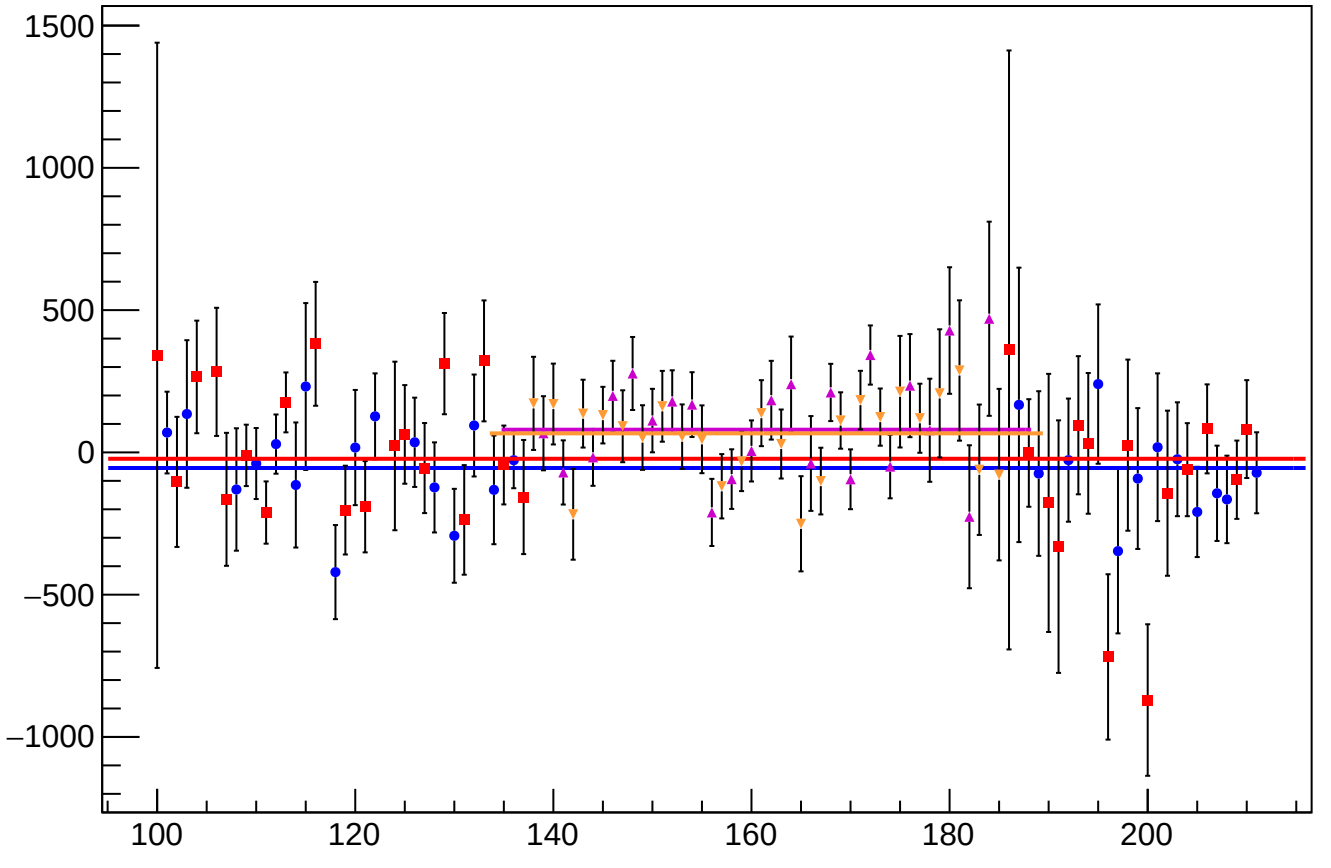
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1342.975+/-0.177 χ^2/NDF: 11316401.6/60

In: 904.615+/-0.117 χ^2/NDF:9740170.6/50

Out: 904.604+/-0.114 χ^2/NDF:11641608.2/57

All: 904.609+/-0.082 χ^2/NDF: 21381778.7/10



Right In: -54.814+/-32.559 χ^2/NDF: 17.4/27

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -22.391+/-32.066 χ^2/NDF: 43.4/32

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

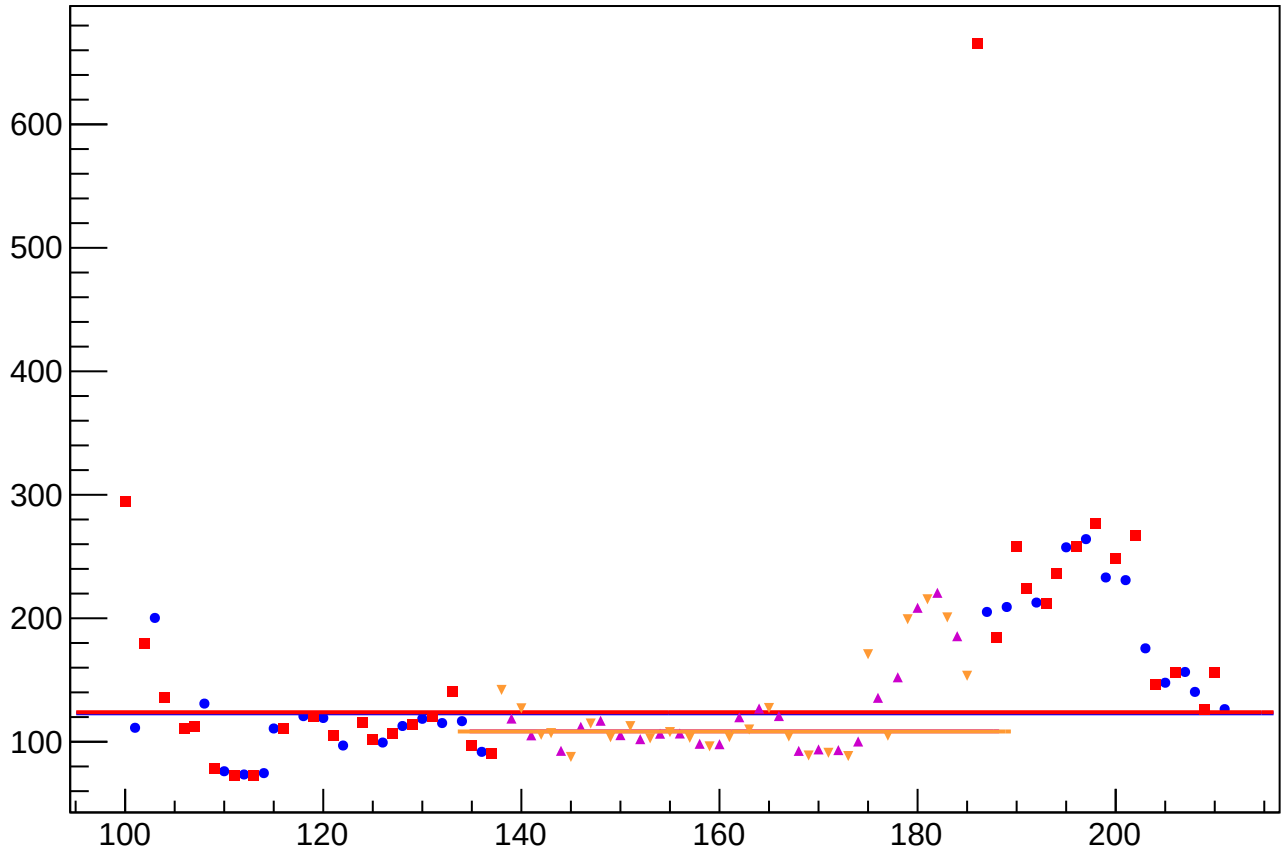
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -38.355+/-22.846 χ^2/NDF: 61.3/60

In: 26.631+/-20.459 χ^2/NDF:64.6/50

Out: 32.167+/-19.998 χ^2/NDF:67.8/57

All: 29.462+/-14.301 χ^2/NDF: 132.5/108



Right In: 123.056+/-0.023 χ^2/NDF: 3903738.0/27

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 123.913+/-0.023 χ^2/NDF: 5438934.3/32

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

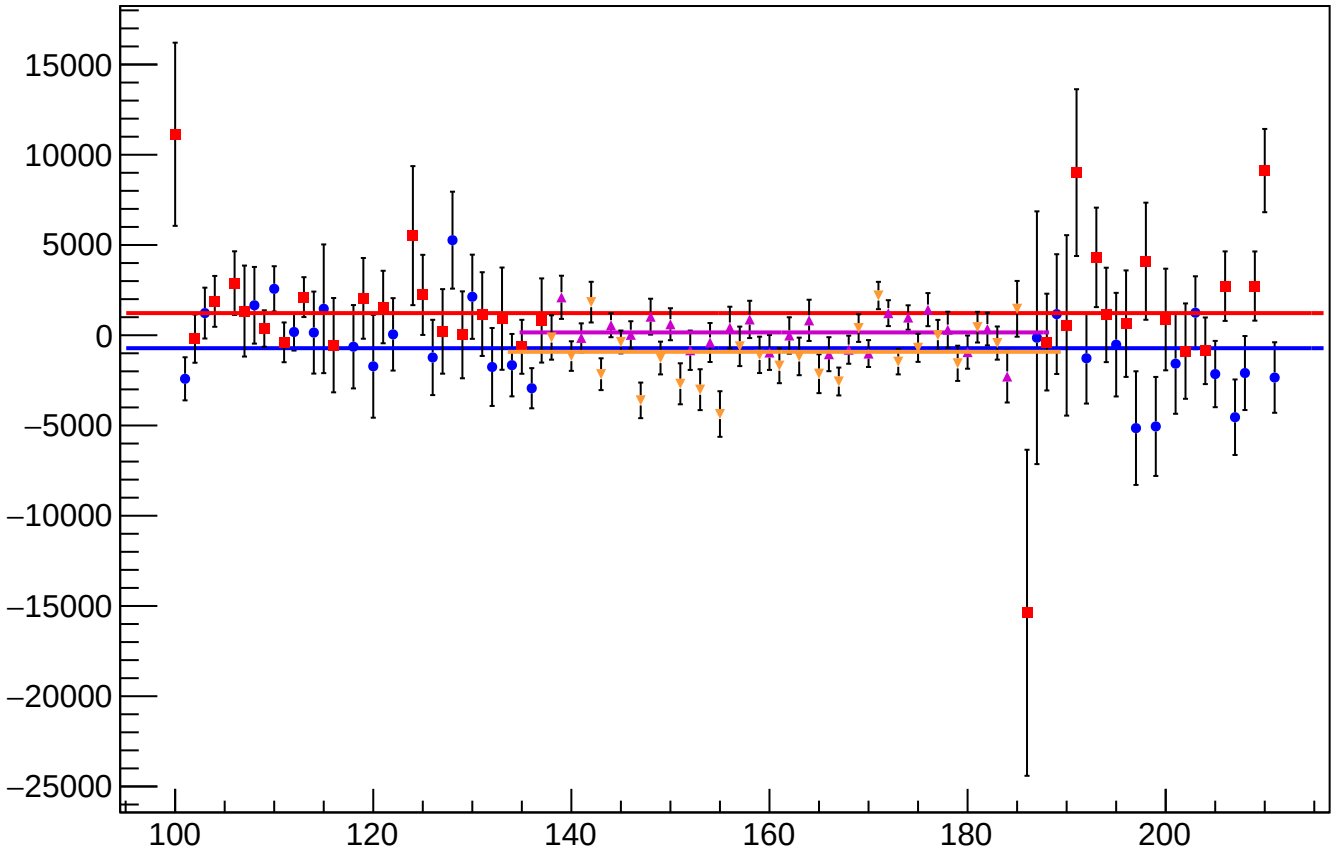
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 123.491+/-0.016 χ^2/NDF: 9343376.1/60

In: 114.242+/-0.014 χ^2/NDF:5525283.1/50

Out: 114.391+/-0.014 χ^2/NDF:7502137.8/57

All: 114.319+/-0.010 χ^2/NDF: 13027475.2/10



Right In: -717.498+/-358.653 χ^2/NDF: 35.6/27

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1226.259+/-345.283 χ^2/NDF: 37.2/32

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

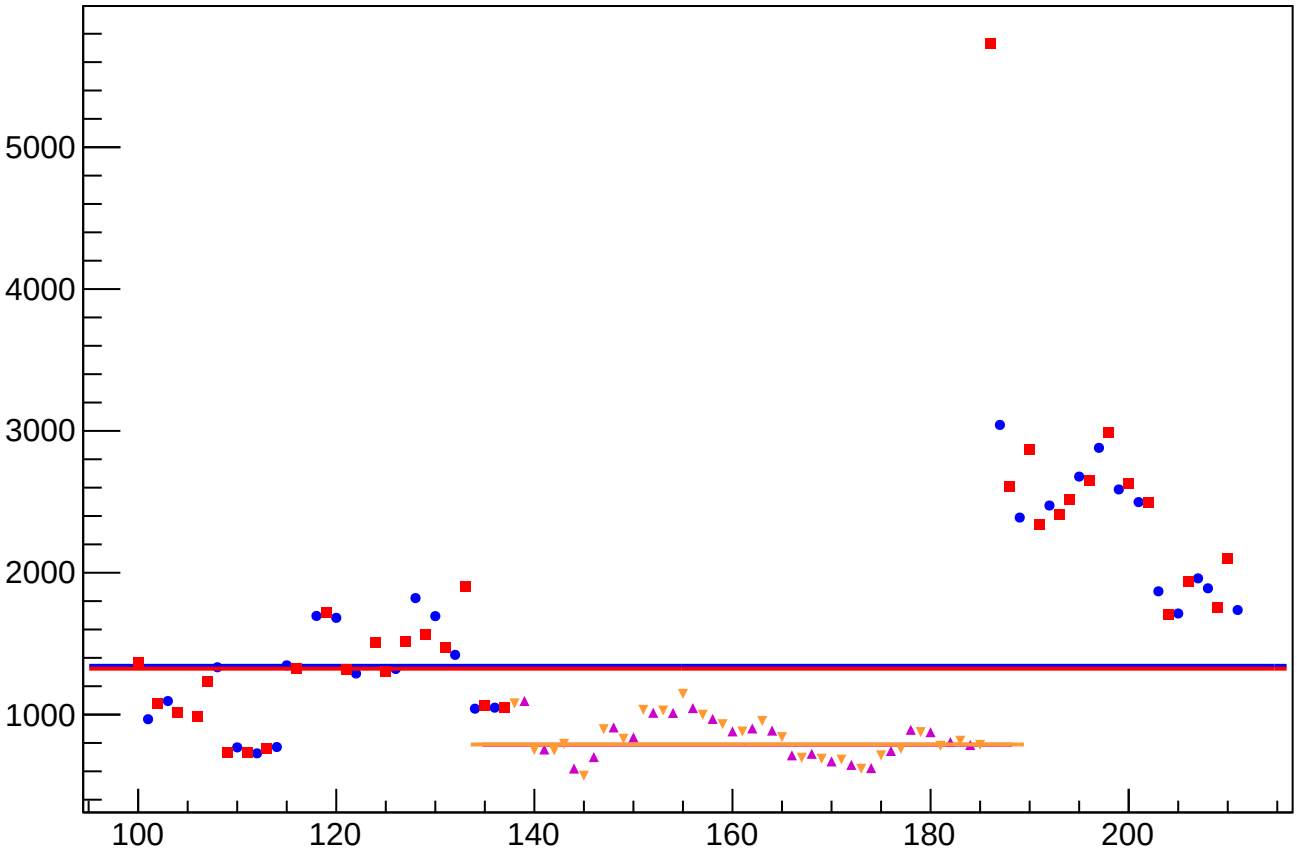
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 291.286+/-248.744 χ^2/NDF: 88.1/60

In: -30.988+/-165.895 χ^2/NDF:63.4/50

Out: -450.501+/-161.322 χ^2/NDF:131.5/57

All: -246.607+/-115.655 χ^2/NDF: 198.1/108



Right In: 1343.640+/-0.254 χ^2/NDF: 4916780.8/27

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1323.819+/-0.244 χ^2/NDF: 6615038.4/32

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

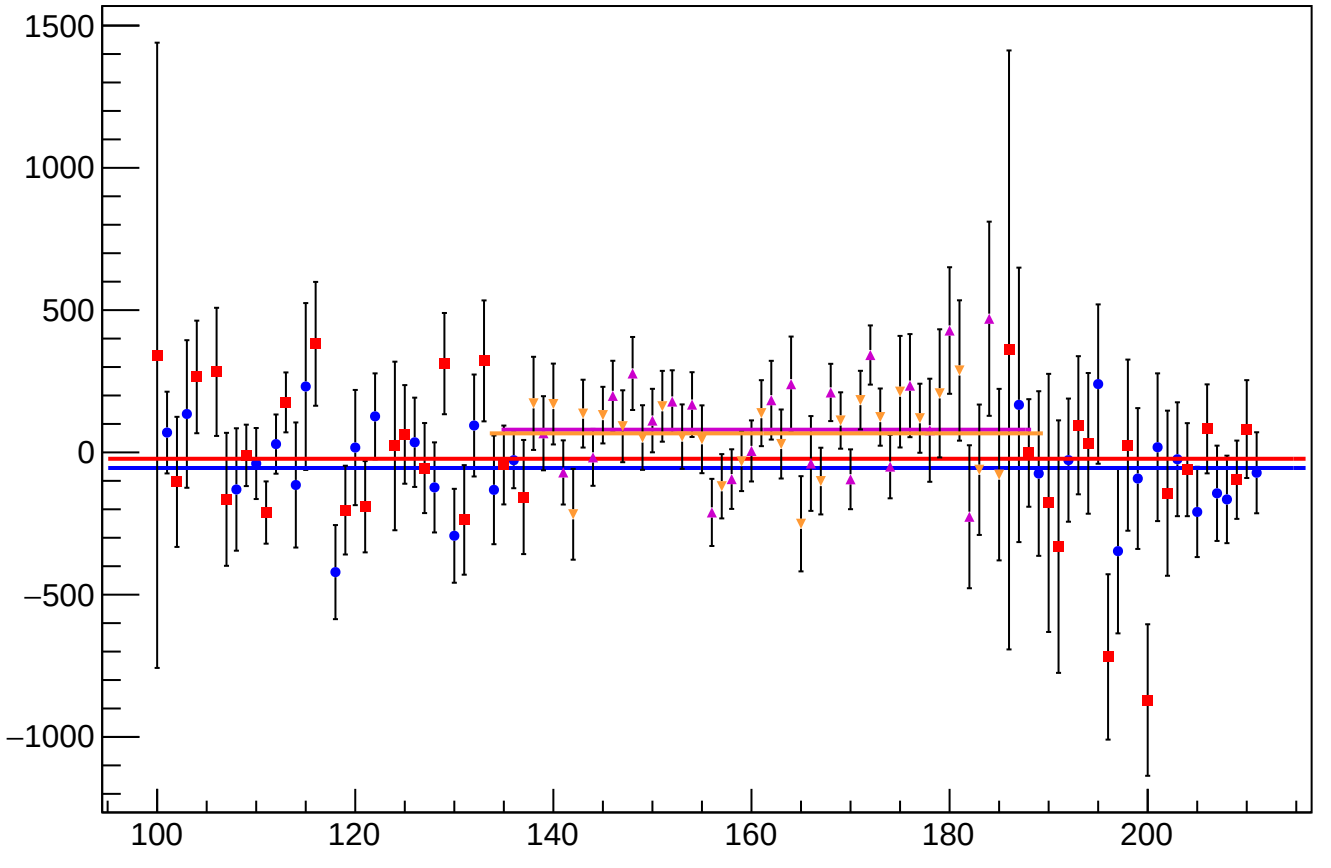
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

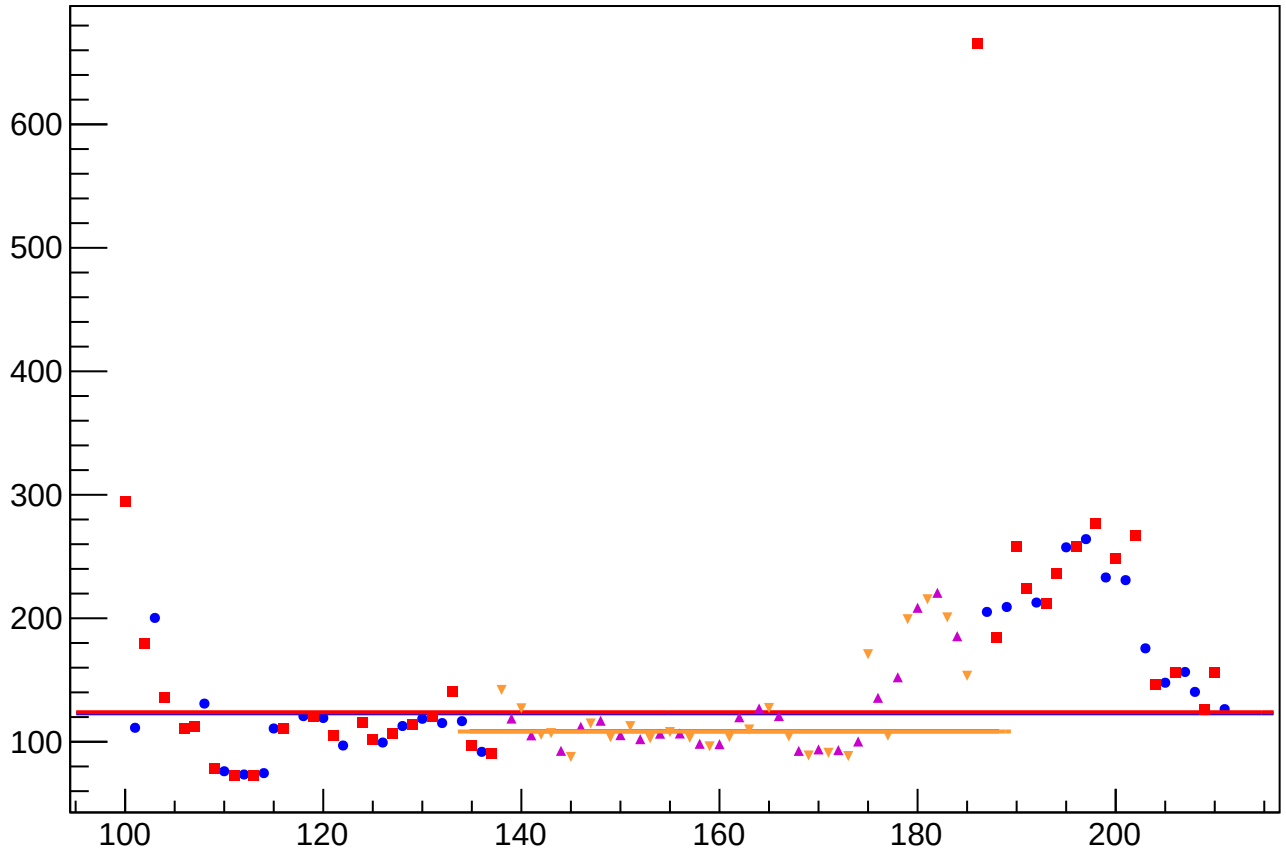
Right: 1333.353+/-0.176 χ^2/NDF: 11534989.6/60

In: 906.402+/-0.117 χ^2/NDF:9739724.6/50

Out: 905.942+/-0.114 χ^2/NDF:11539265.7/57

All: 906.165+/-0.082 χ^2/NDF: 21278998.2/10


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -54.813+/-32.559 χ²/NDF: 17.4/27
Left Out: 66.898+/-25.584 χ²/NDF:19.6/24
Right Out: -22.393+/-32.066 χ²/NDF: 43.4/32
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -38.355+/-22.846 χ²/NDF: 61.3/60
In: 26.631+/-20.459 χ²/NDF:64.6/50
Out: 32.166+/-19.999 χ²/NDF:67.8/57
All: 29.462+/-14.301 χ²/NDF: 132.4/108



Right In: 123.056+/-0.023 χ^2/NDF: 3903726.0/27

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 123.913+/-0.023 χ^2/NDF: 5438936.2/32

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

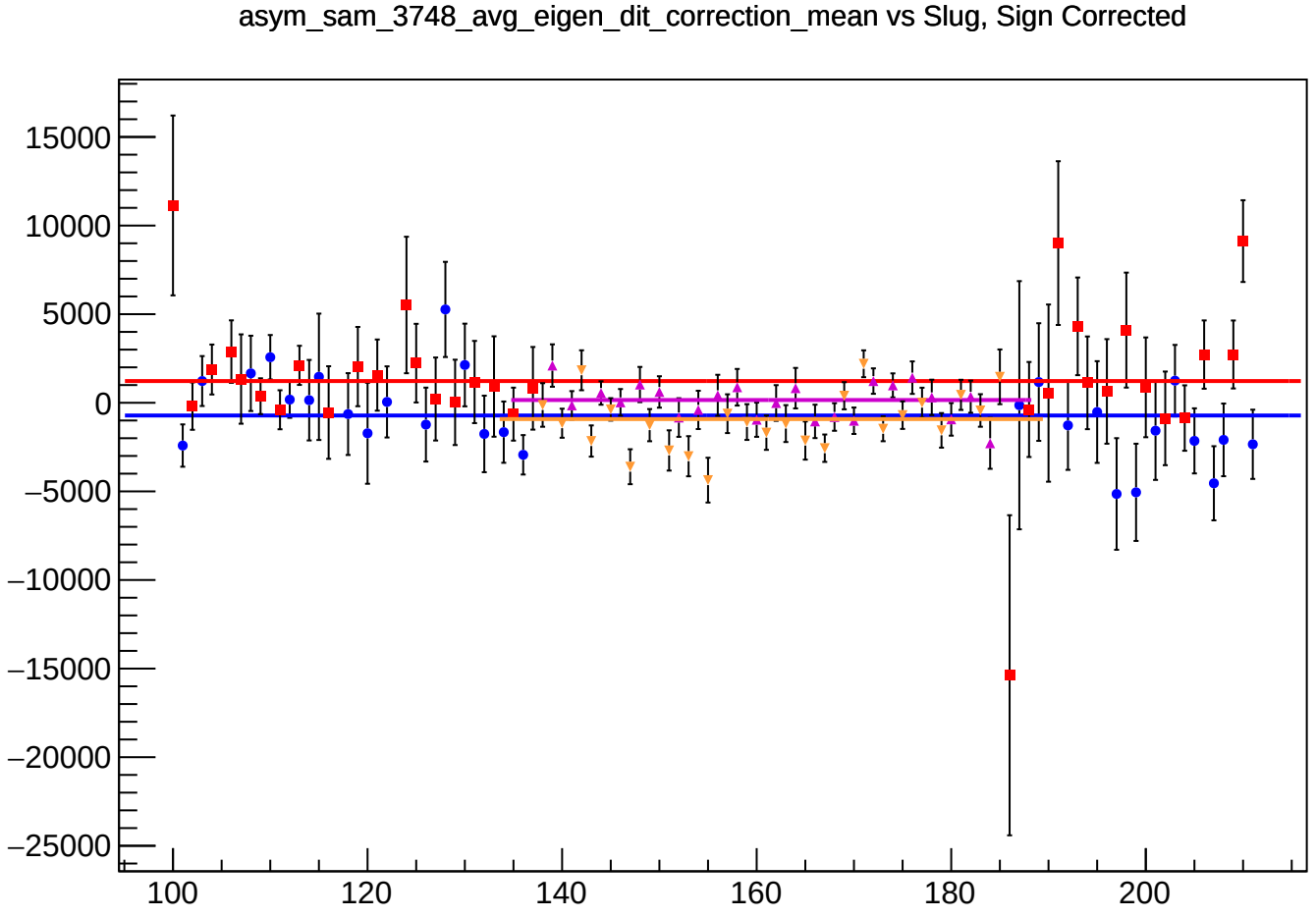
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 123.491+/-0.016 χ^2/NDF: 9343365.9/60

In: 114.243+/-0.014 χ^2/NDF:5525246.1/50

Out: 114.392+/-0.014 χ^2/NDF:7502127.6/57

All: 114.319+/-0.010 χ^2/NDF: 13027428.0/10



Right In: -717.495+/-358.652 χ^2/NDF: 35.6/27

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1226.256+/-345.282 χ^2/NDF: 37.2/32

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

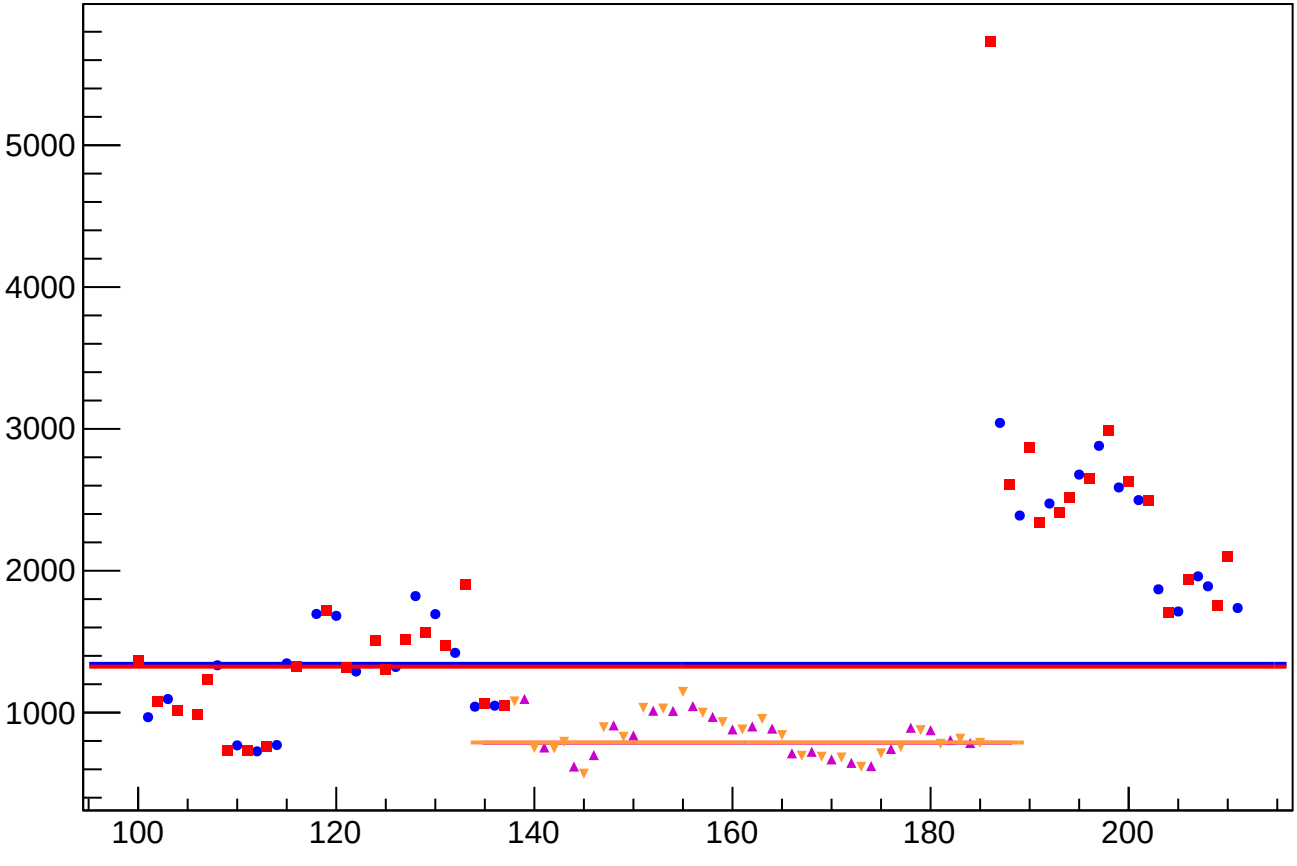
Right: 291.286+/-248.744 χ^2/NDF: 88.1/60

In: -30.988+/-165.895 χ^2/NDF:63.4/50

Out: -450.501+/-161.322 χ^2/NDF:131.5/57

All: -246.607+/-115.655 χ^2/NDF: 198.1/108

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1343.638+/-0.254 χ^2/NDF: 4916793.4/27

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1323.817+/-0.244 χ^2/NDF: 6615045.7/32

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

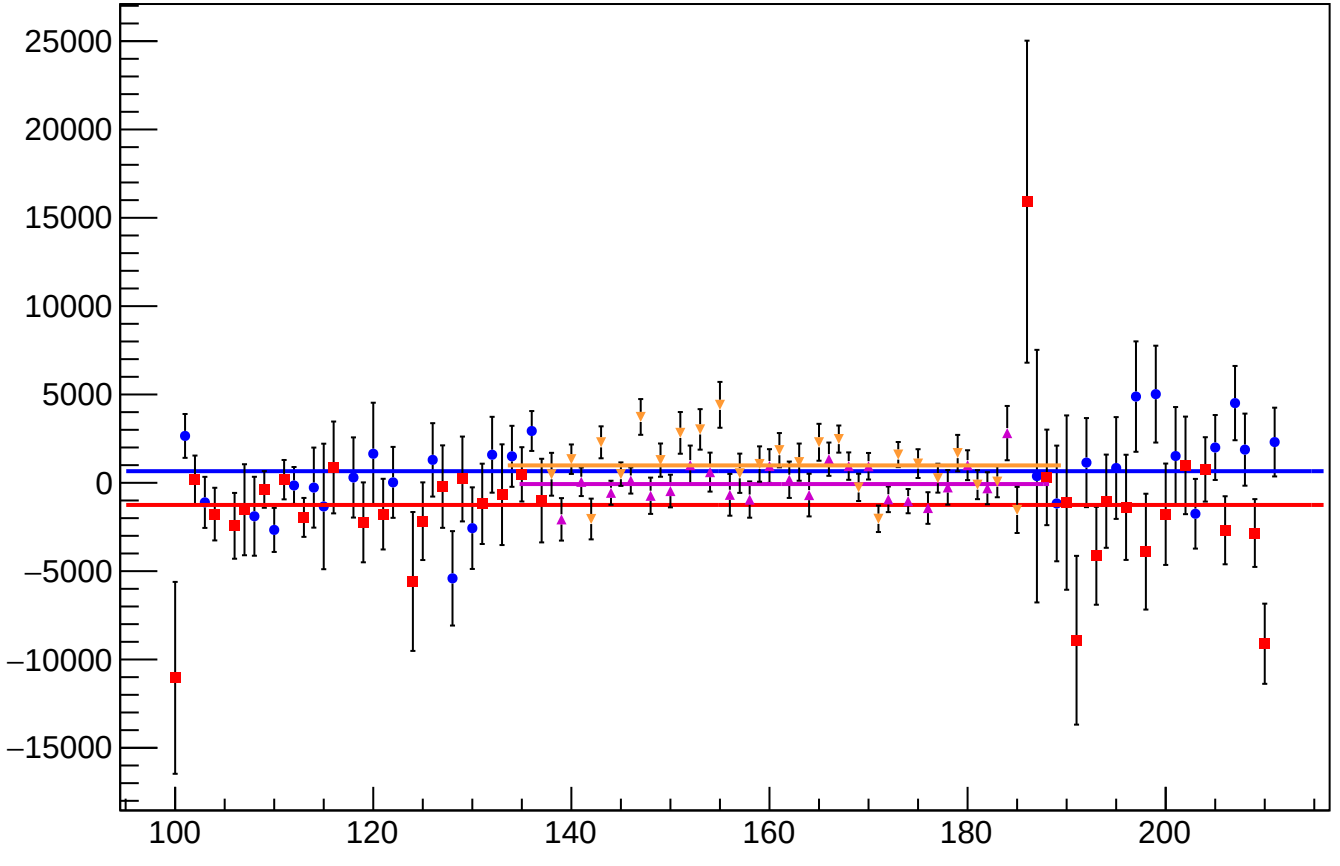
Right: 1333.351+/-0.176 χ^2/NDF: 11535009.4/60

In: 906.400+/-0.117 χ^2/NDF:9739737.7/50

Out: 905.940+/-0.114 χ^2/NDF:11539278.7/57

All: 906.164+/-0.082 χ^2/NDF: 21279024.3/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 658.789+/-361.326 χ^2/NDF: 36.8/27

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1252.516+/-350.135 χ^2/NDF: 35.2/32

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

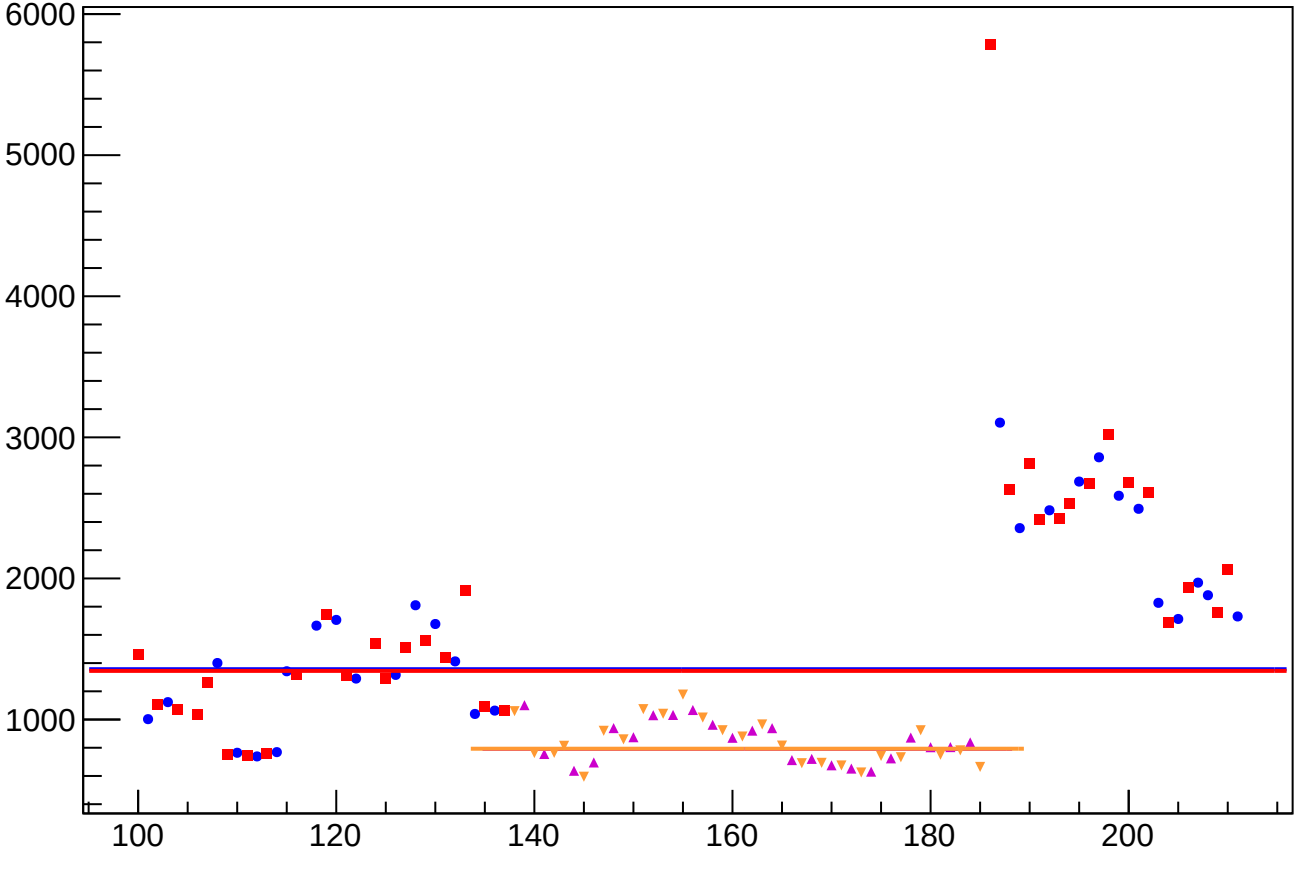
Right: -326.919+/-251.446 χ^2/NDF: 86.4/60

In: 85.240+/-166.801 χ^2/NDF:64.4/50

Out: 502.960+/-162.602 χ^2/NDF:130.9/57

All: 299.424+/-116.433 χ^2/NDF: 198.5/108

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1356.639+/-0.255 χ^2/NDF: 4767100.7/27

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1344.809+/-0.248 χ^2/NDF: 6485429.4/32

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

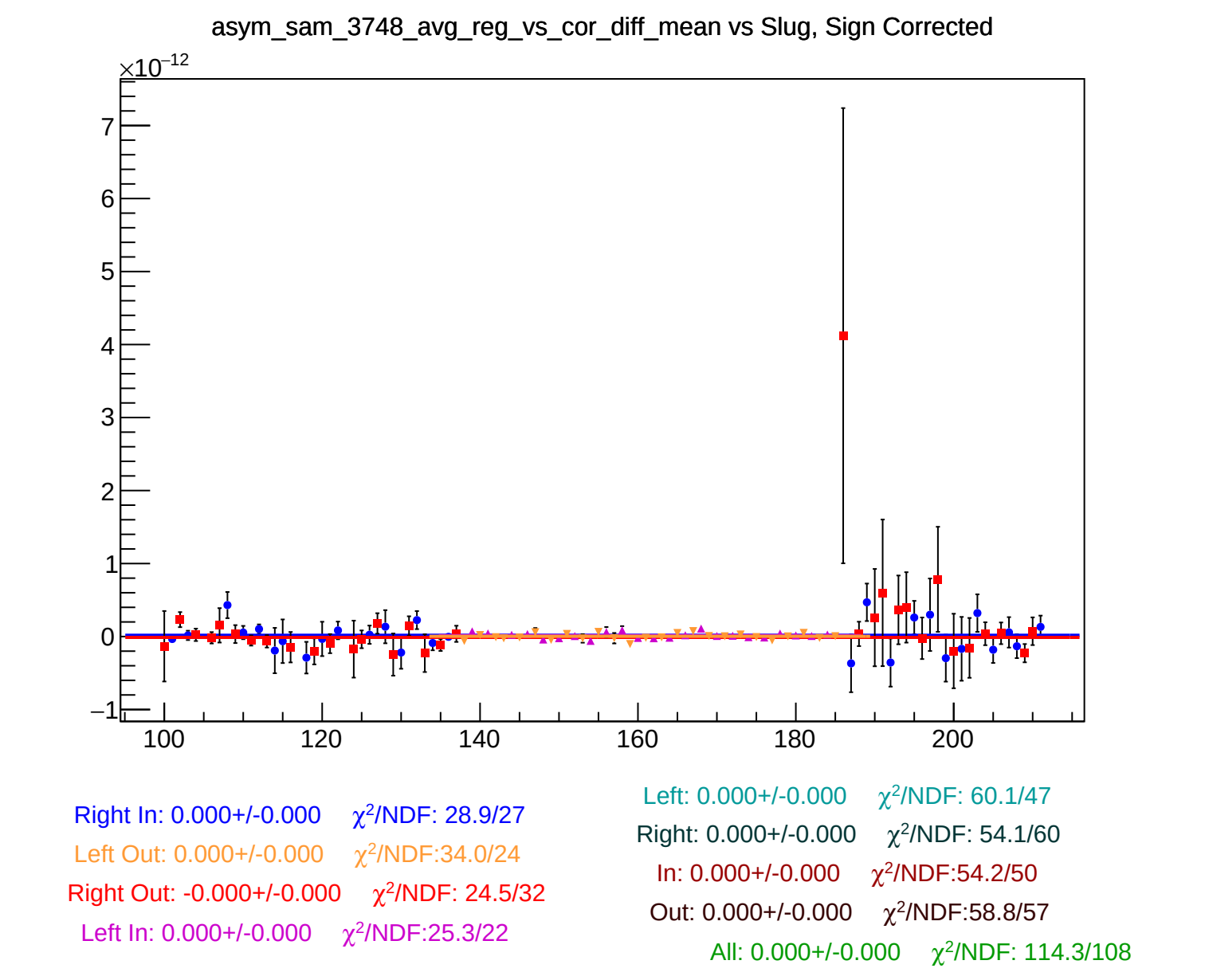
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1350.538+/-0.178 χ^2/NDF: 11253635.6/60

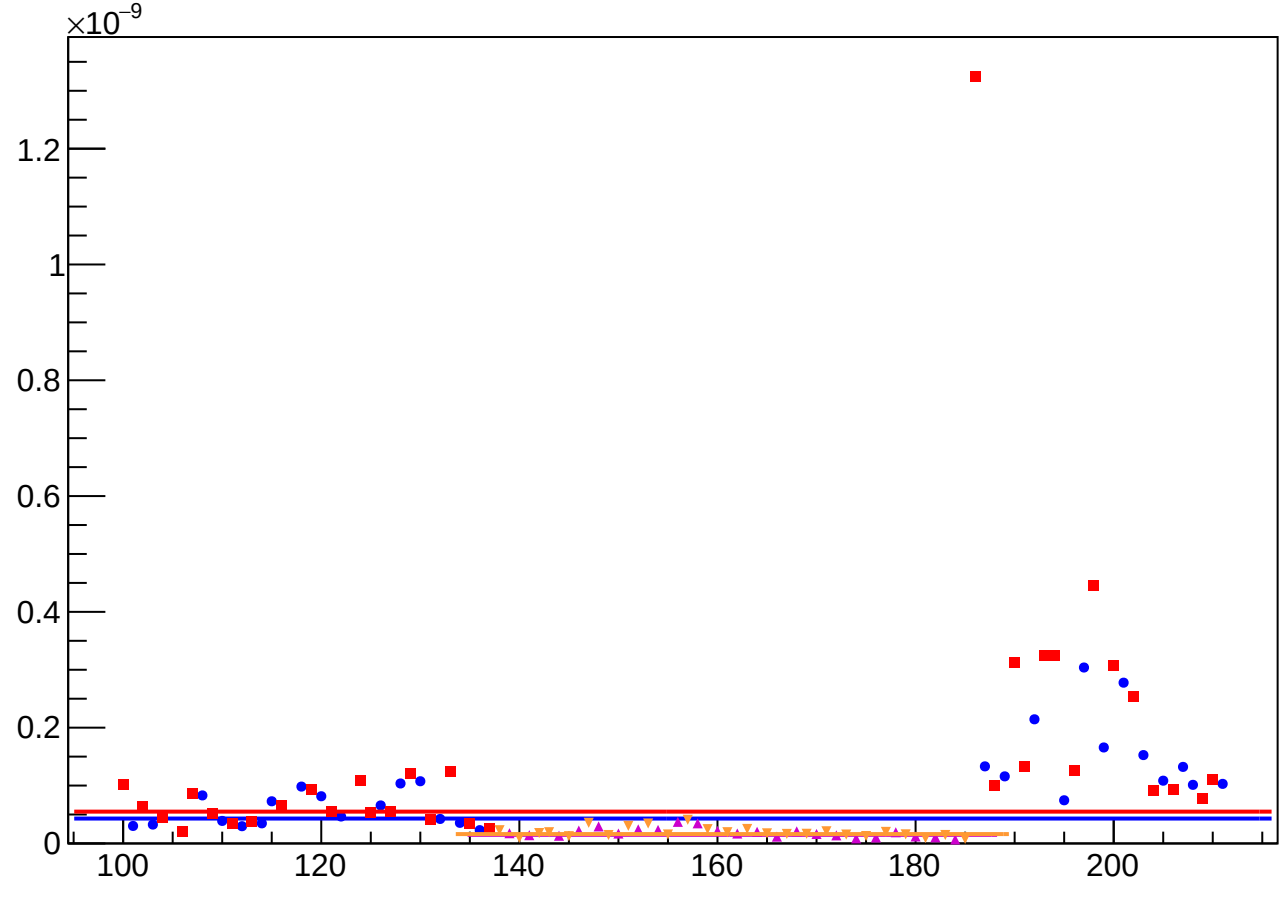
In: 911.664+/-0.118 χ^2/NDF:9670886.4/50

Out: 912.046+/-0.115 χ^2/NDF:11574859.0/57

All: 911.860+/-0.082 χ^2/NDF: 21245750.8/10


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.9/27
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.5/32
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 54.1/60
In: 0.000+/-0.000 χ²/NDF:54.2/50
Out: 0.000+/-0.000 χ²/NDF:58.8/57
All: 0.000+/-0.000 χ²/NDF: 114.3/108

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5301134.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621019.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

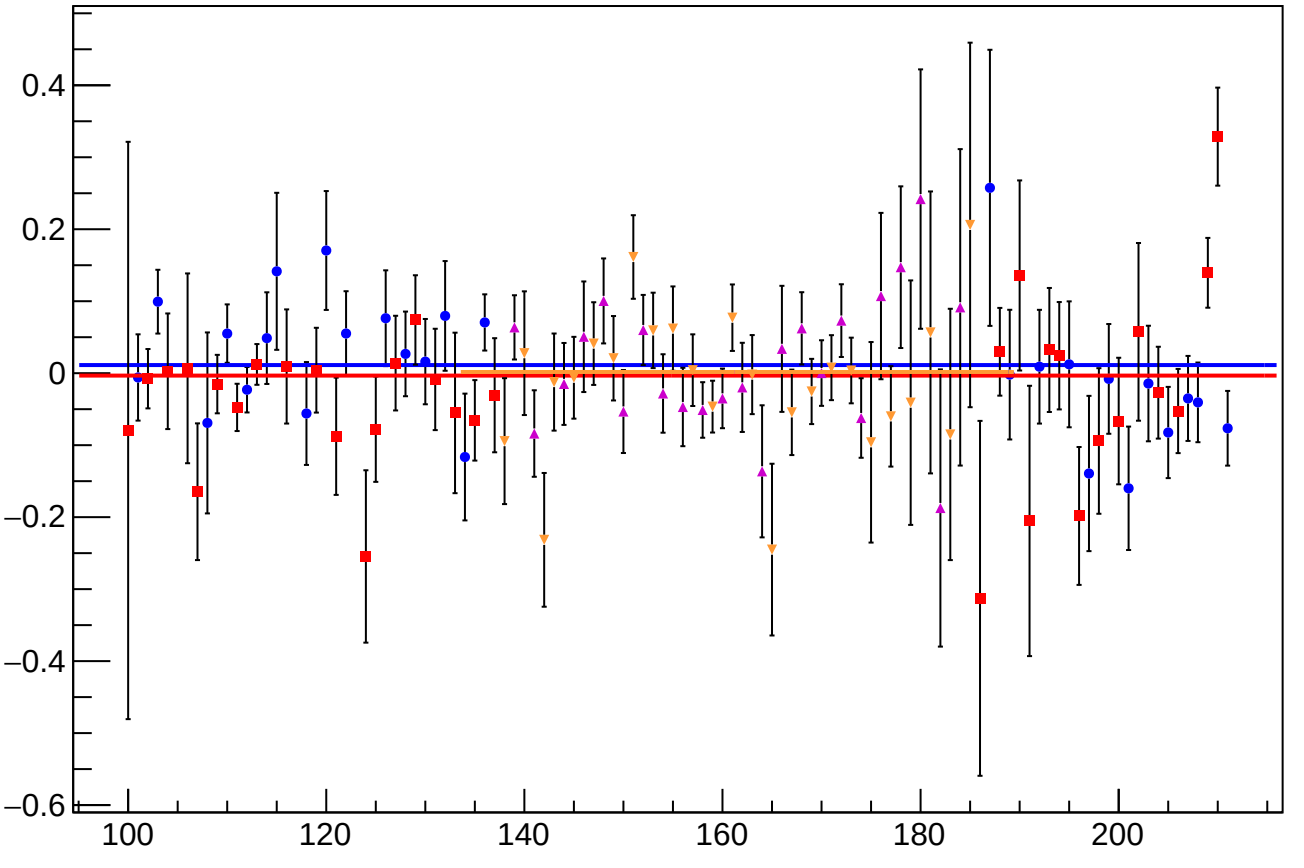
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11196041.6/60

In: 0.000+/-0.000 χ^2/NDF:10315604.1/50

Out: 0.000+/-0.000 χ^2/NDF:11943675.8/57

All: 0.000+/-0.000 χ^2/NDF: 22308492.8/108



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

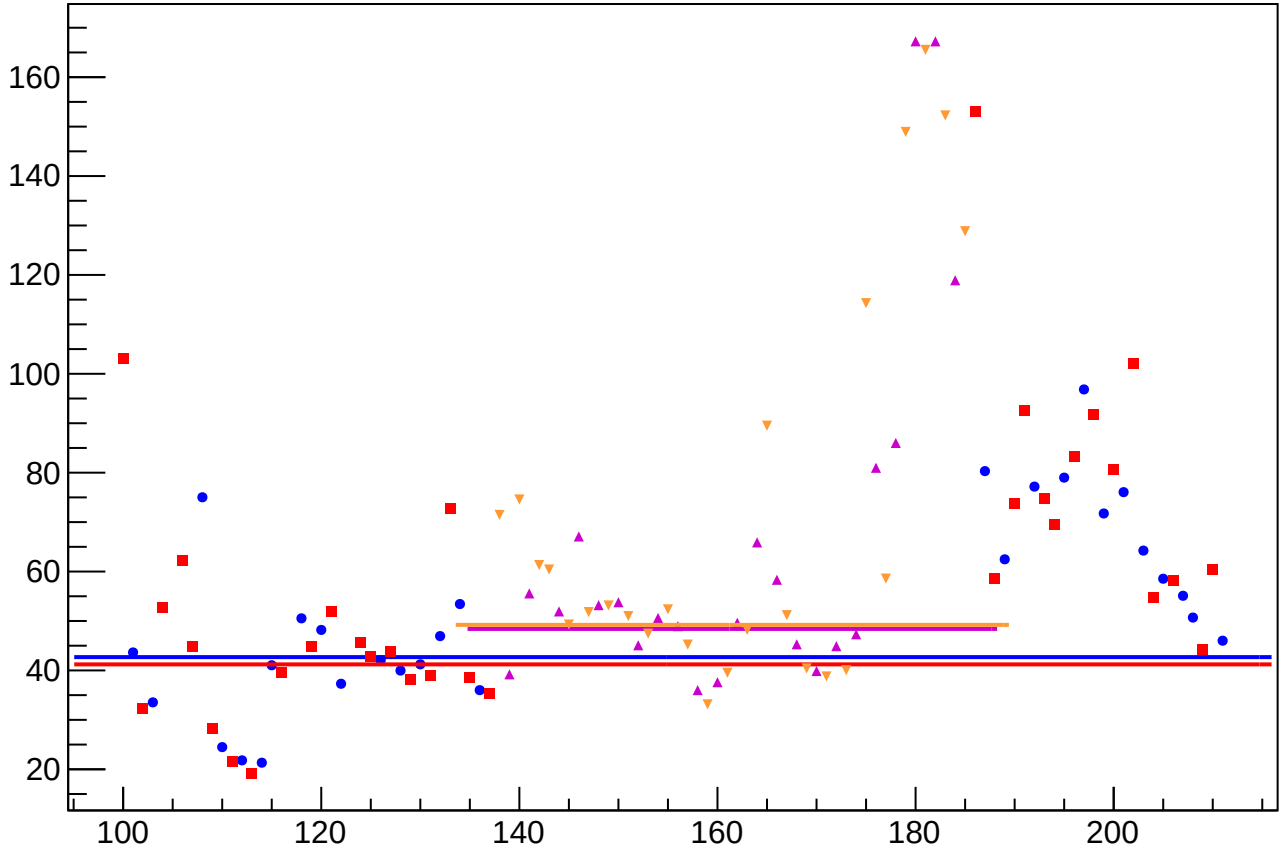
Right: 0.004+/-0.008 χ^2/NDF: 93.4/60

In: 0.007+/-0.008 χ^2/NDF:60.7/50

Out: -0.001+/-0.008 χ^2/NDF:88.8/57

All: 0.003+/-0.006 χ^2/NDF: 149.9/108

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.692+/-0.008 χ^2/NDF: 4276330.1/27

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 41.221+/-0.008 χ^2/NDF: 6243065.3/32

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

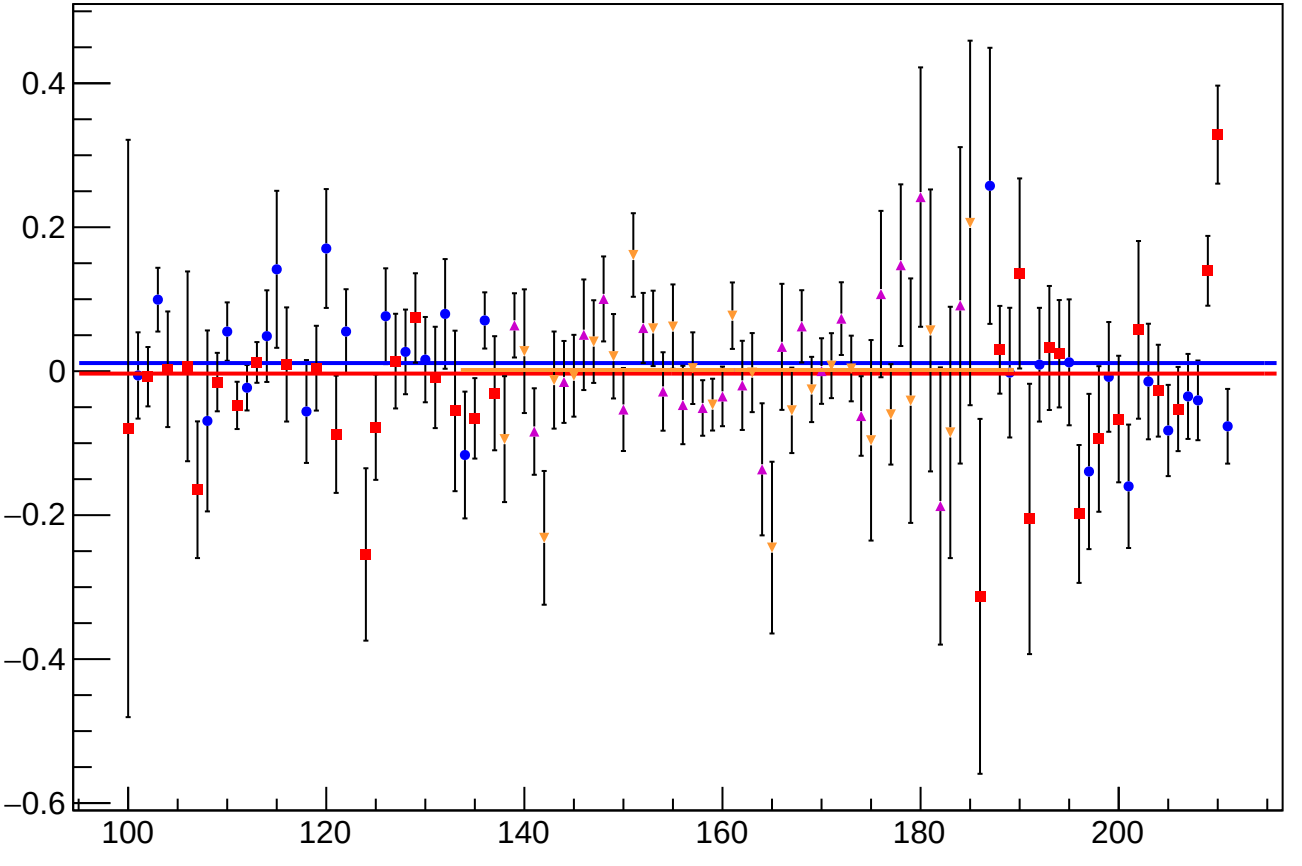
Right: 41.925+/-0.006 χ^2/NDF: 10536100.6/60

In: 45.364+/-0.006 χ^2/NDF:7535221.4/50

Out: 44.821+/-0.006 χ^2/NDF:10879468.3/57

All: 45.085+/-0.004 χ^2/NDF: 18418902.9/108

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

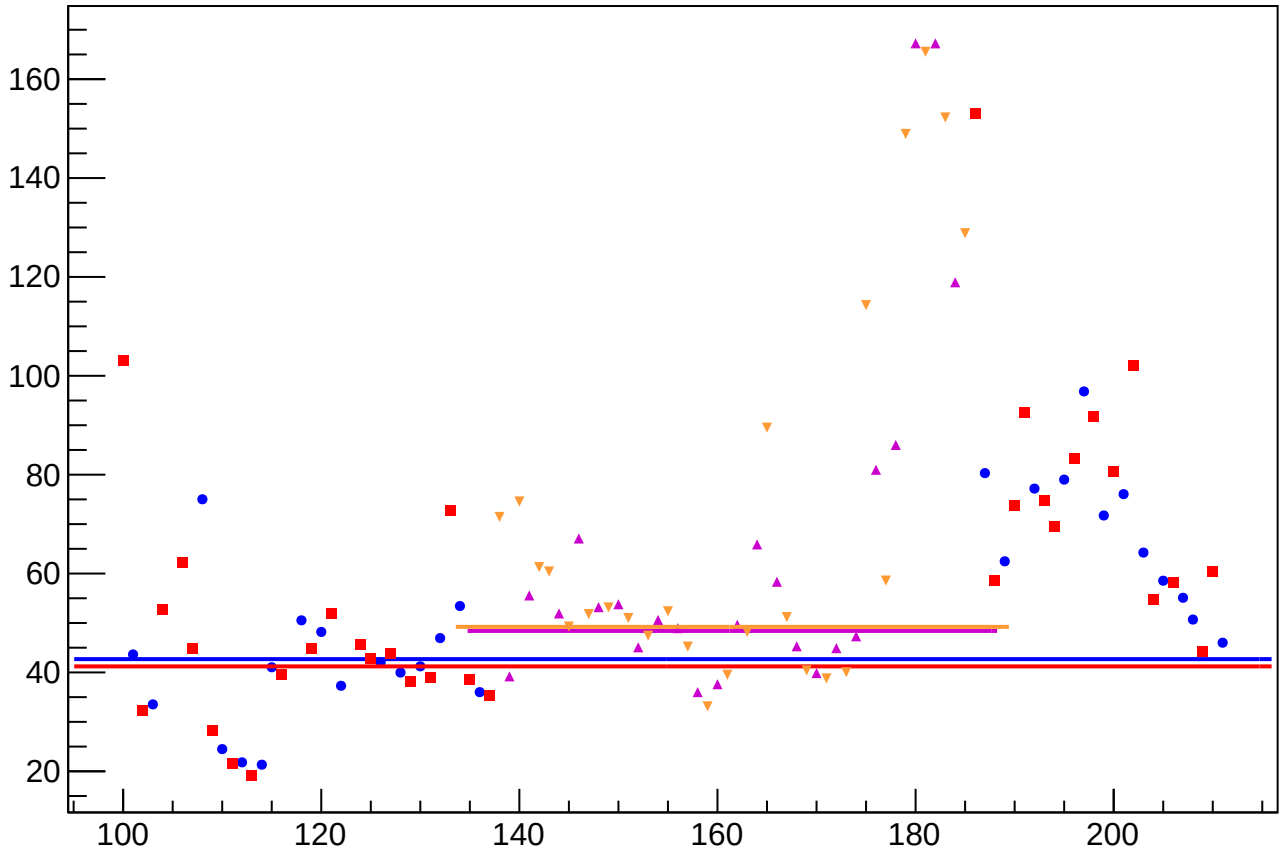
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.004+/-0.008 χ^2/NDF: 93.4/60

In: 0.007+/-0.008 χ^2/NDF:60.7/50

Out: -0.001+/-0.008 χ^2/NDF:88.8/57

All: 0.003+/-0.006 χ^2/NDF: 149.9/108



Right In: 42.692+/-0.008 χ^2/NDF: 4276330.1/27

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 41.221+/-0.008 χ^2/NDF: 6243065.3/32

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

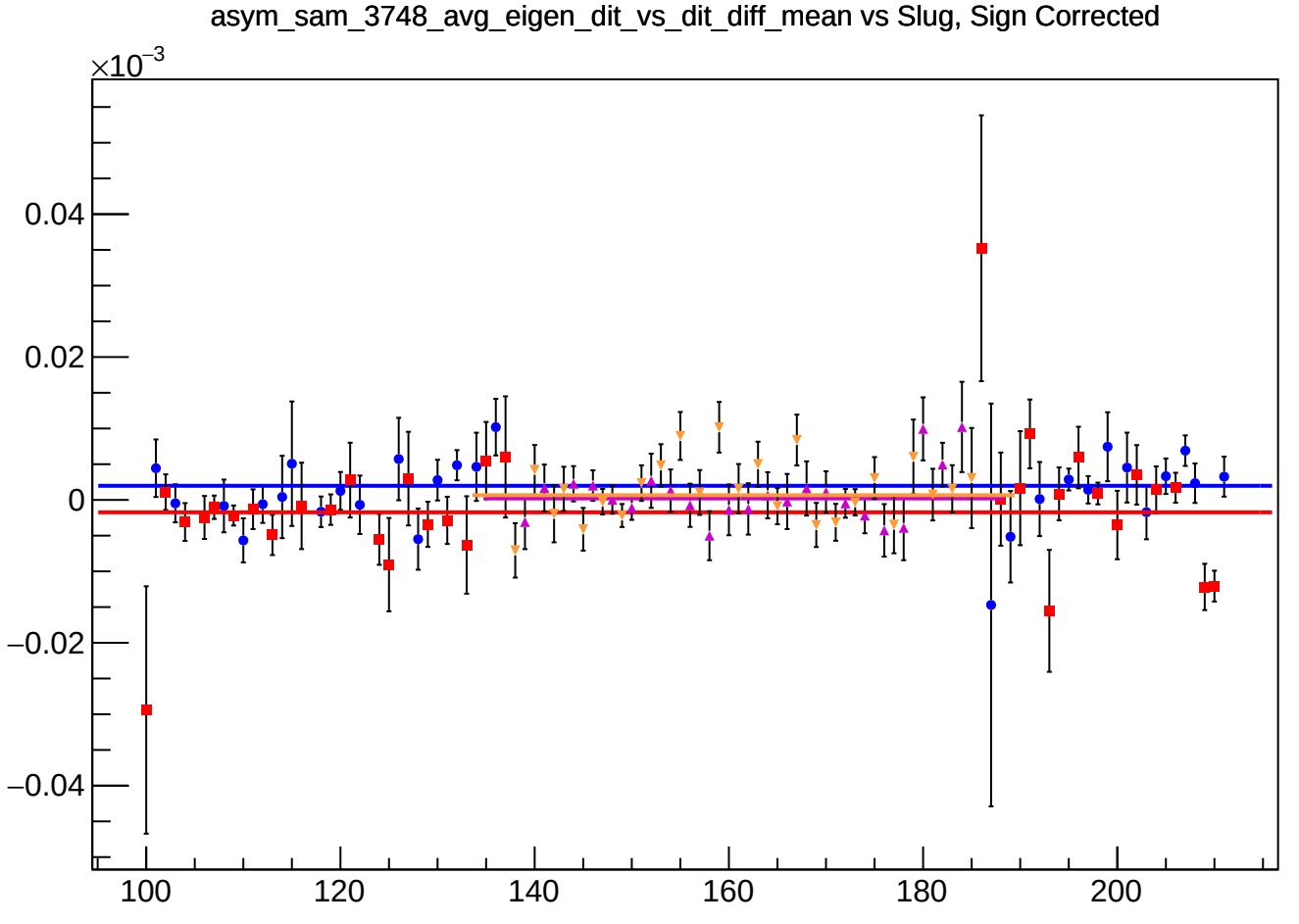
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.925+/-0.006 χ^2/NDF: 10536100.6/60

In: 45.364+/-0.006 χ^2/NDF:7535221.4/50

Out: 44.821+/-0.006 χ^2/NDF:10879468.3/57

All: 45.085+/-0.004 χ^2/NDF: 18418902.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 33.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 70.2/32

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

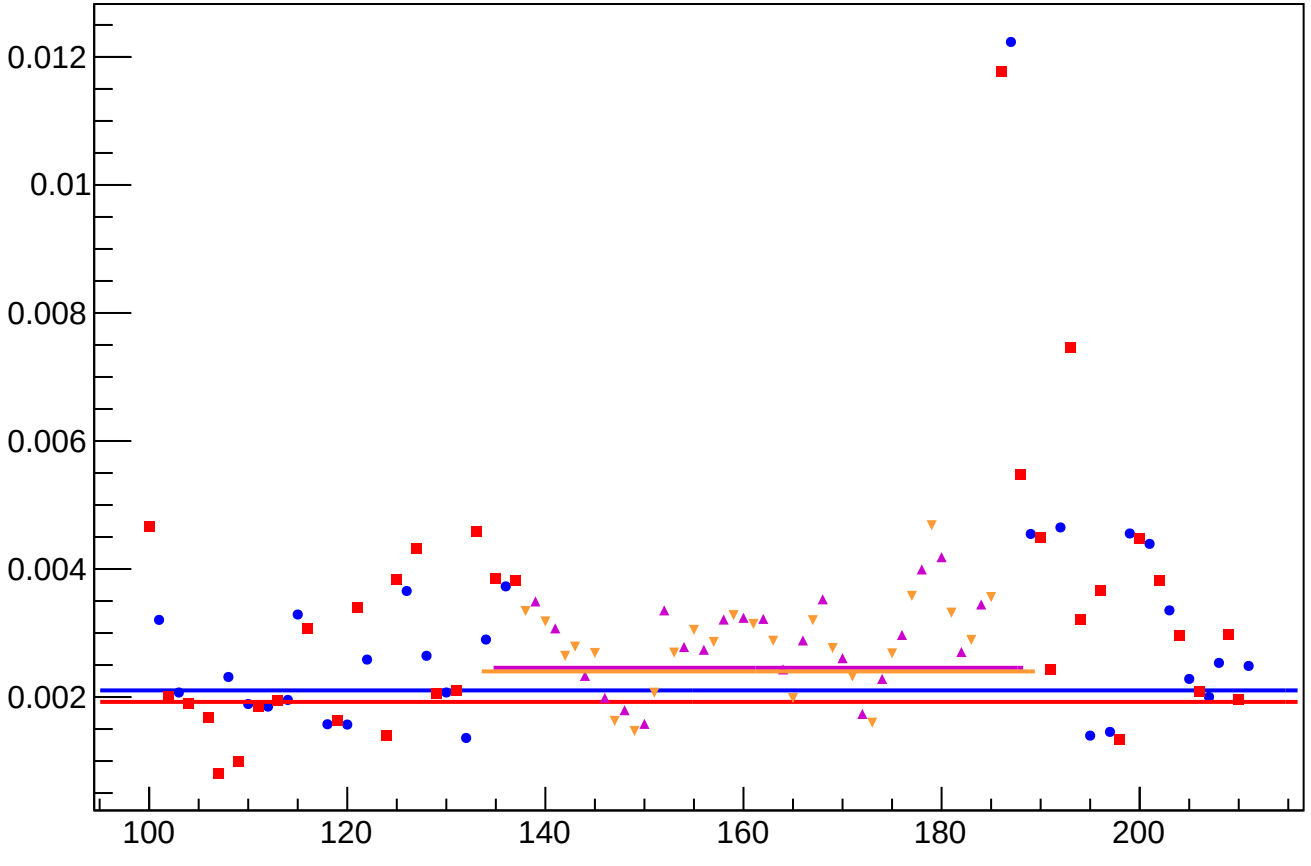
Right: -0.000+/-0.000 χ^2/NDF: 126.1/60

In: 0.000+/-0.000 χ^2/NDF:57.3/50

Out: -0.000+/-0.000 χ^2/NDF:121.3/57

All: 0.000+/-0.000 χ^2/NDF: 188.5/108

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4231896.4/27

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7794568.7/32

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

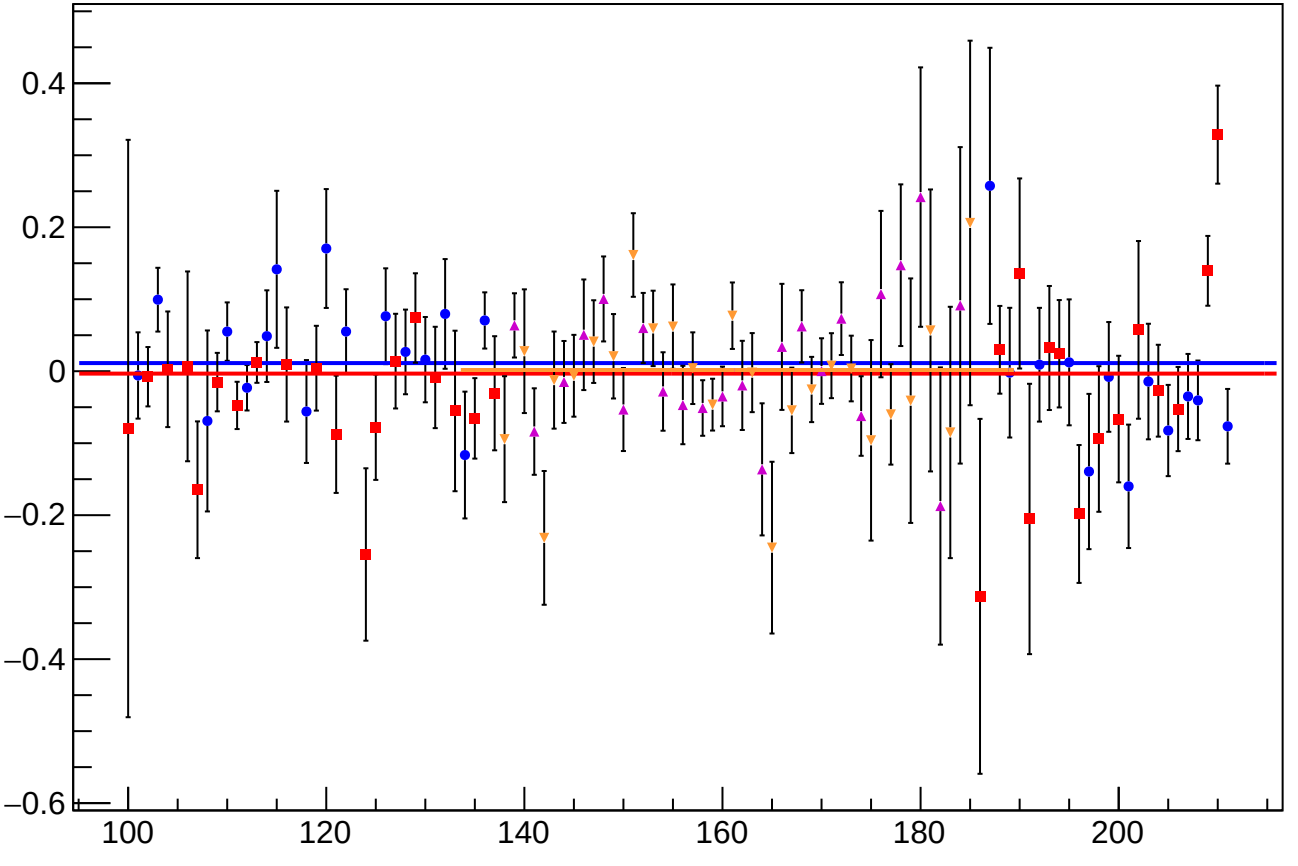
Right: 0.002+/-0.000 χ^2/NDF: 12133912.1/60

In: 0.002+/-0.000 χ^2/NDF:7225659.9/50

Out: 0.002+/-0.000 χ^2/NDF:11668324.7/57

All: 0.002+/-0.000 χ^2/NDF: 18997123.3/108

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

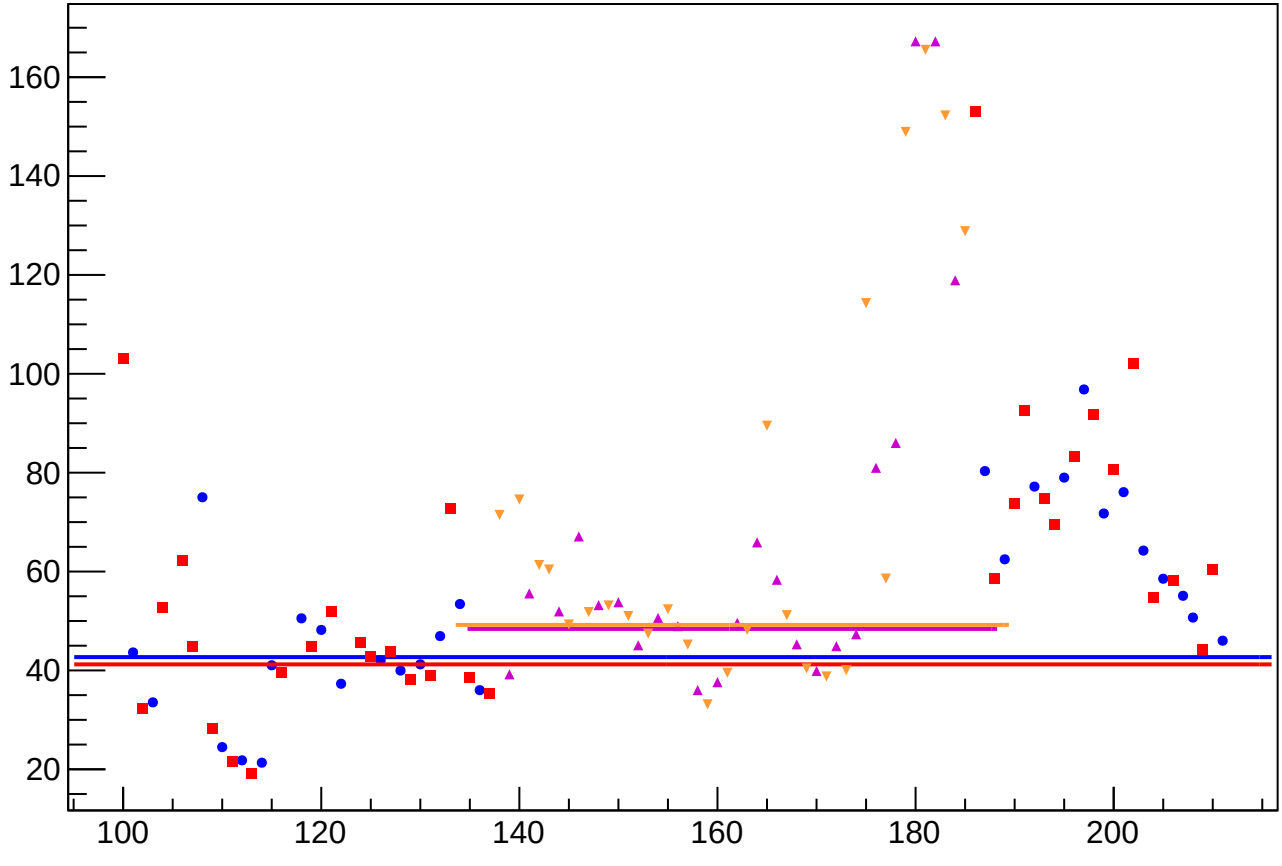
Right: 0.004+/-0.008 χ^2/NDF: 93.4/60

In: 0.007+/-0.008 χ^2/NDF:60.7/50

Out: -0.001+/-0.008 χ^2/NDF:88.8/57

All: 0.003+/-0.006 χ^2/NDF: 149.9/108

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.692+/-0.008 χ^2/NDF: 4276209.6/27

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 41.222+/-0.008 χ^2/NDF: 6242990.1/32

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

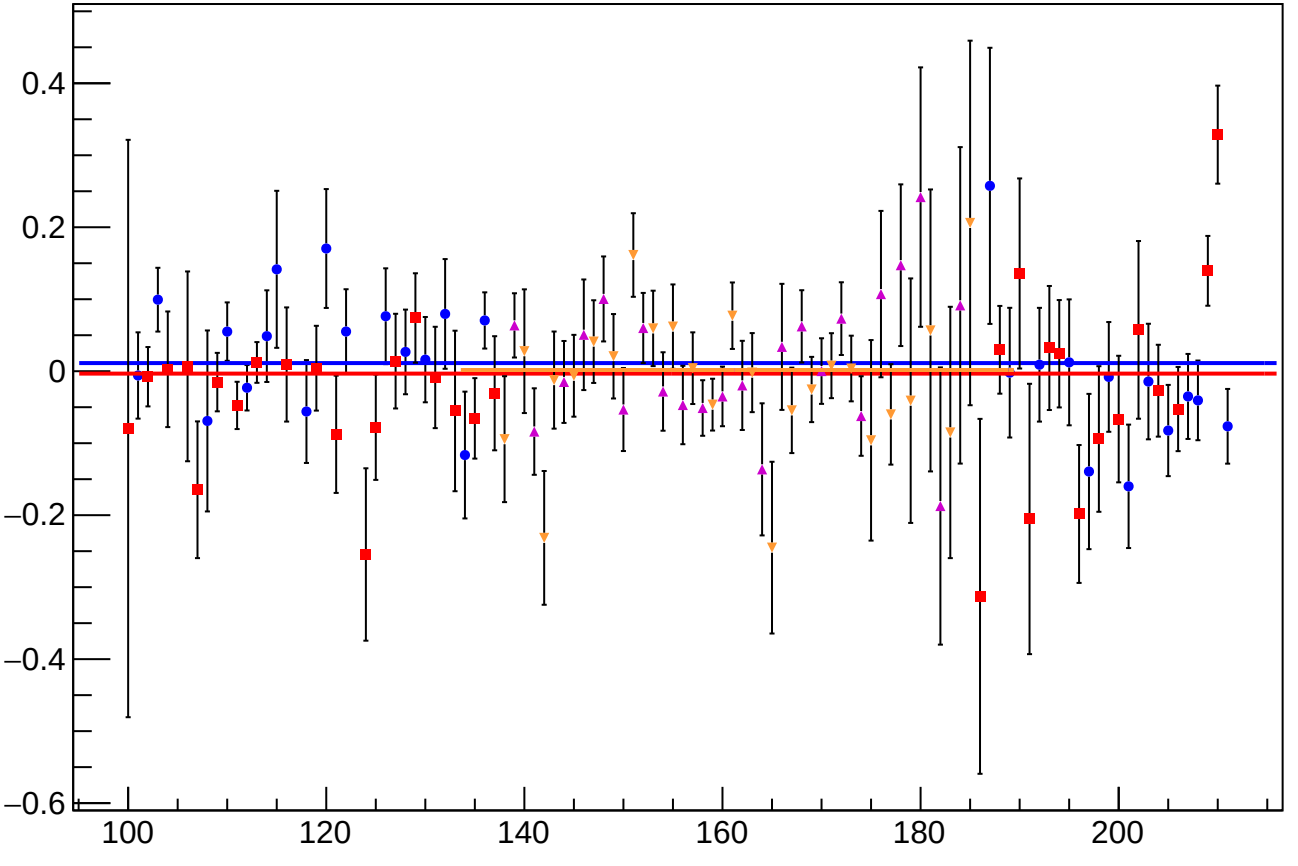
Right: 41.925+/-0.006 χ^2/NDF: 10535903.2/60

In: 45.364+/-0.006 χ^2/NDF:7535078.7/50

Out: 44.822+/-0.006 χ^2/NDF:10879370.7/57

All: 45.086+/-0.004 χ^2/NDF: 18418661.8/108

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 34.3/27

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.003+/-0.011 χ^2/NDF: 58.3/32

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

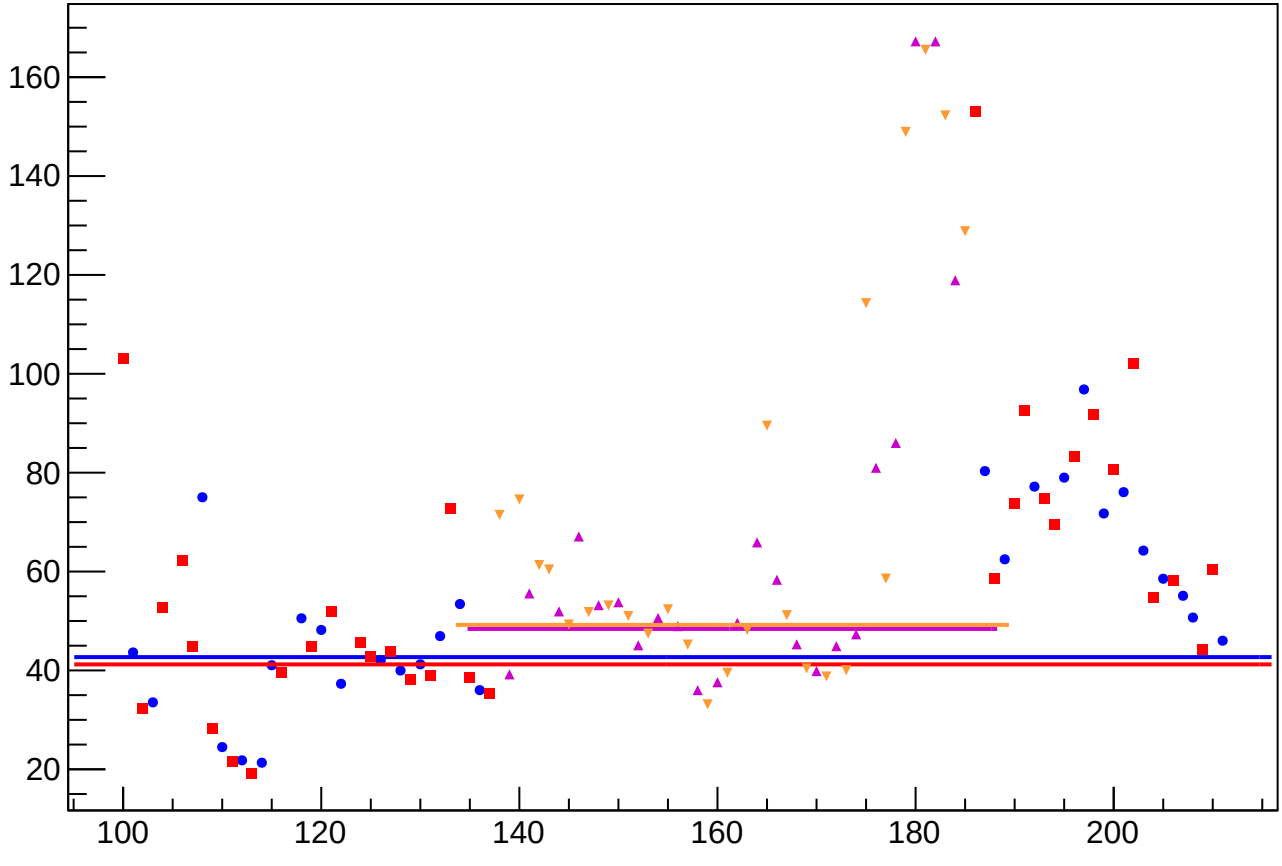
Right: 0.004+/-0.008 χ^2/NDF: 93.4/60

In: 0.007+/-0.008 χ^2/NDF:60.7/50

Out: -0.001+/-0.008 χ^2/NDF:88.8/57

All: 0.003+/-0.006 χ^2/NDF: 149.9/108

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.692+/-0.008 χ^2/NDF: 4276209.6/27

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 41.222+/-0.008 χ^2/NDF: 6242990.1/32

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

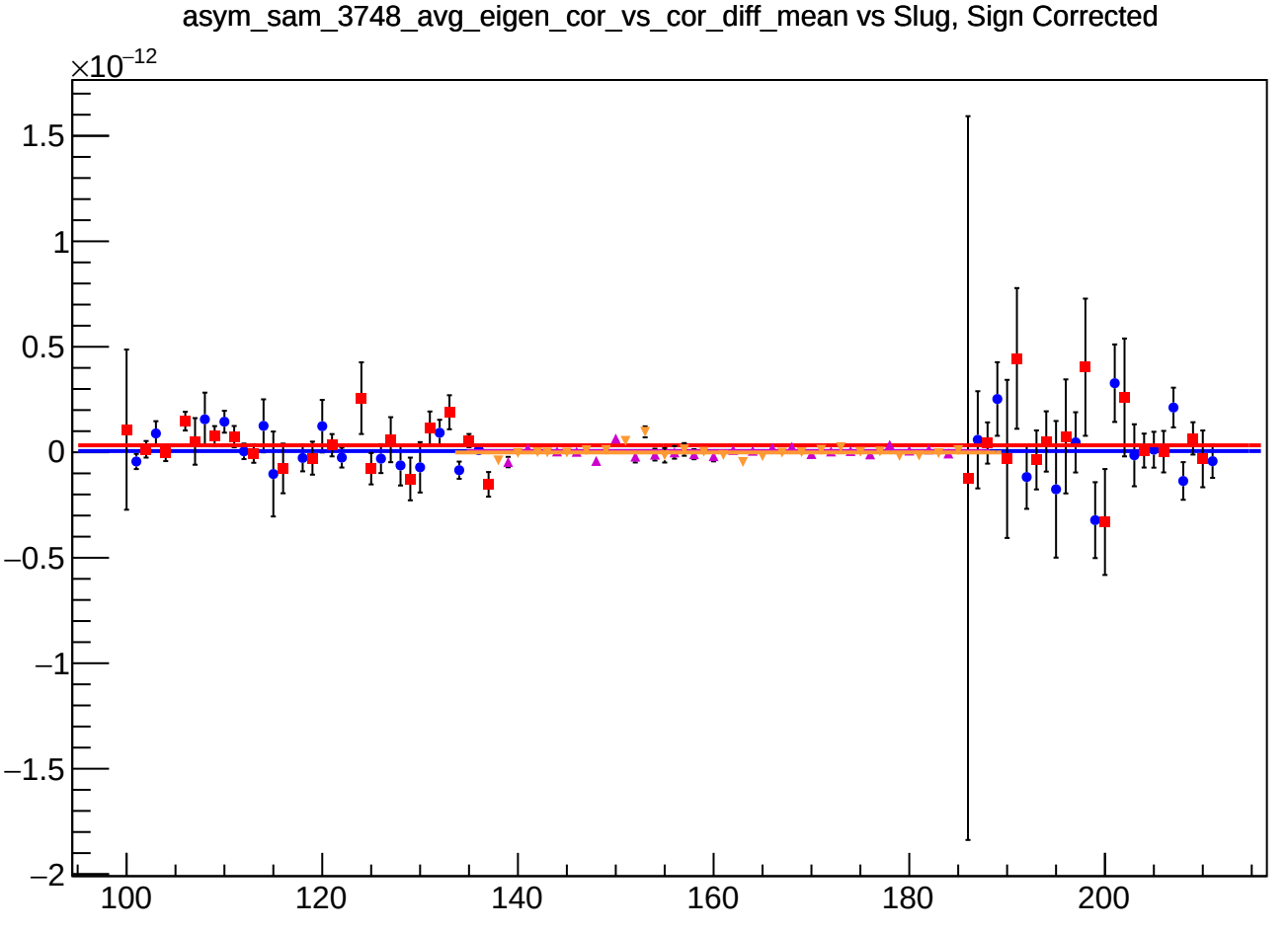
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.925+/-0.006 χ^2/NDF: 10535903.2/60

In: 45.364+/-0.006 χ^2/NDF:7535078.7/50

Out: 44.822+/-0.006 χ^2/NDF:10879370.7/57

All: 45.086+/-0.004 χ^2/NDF: 18418661.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/32

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

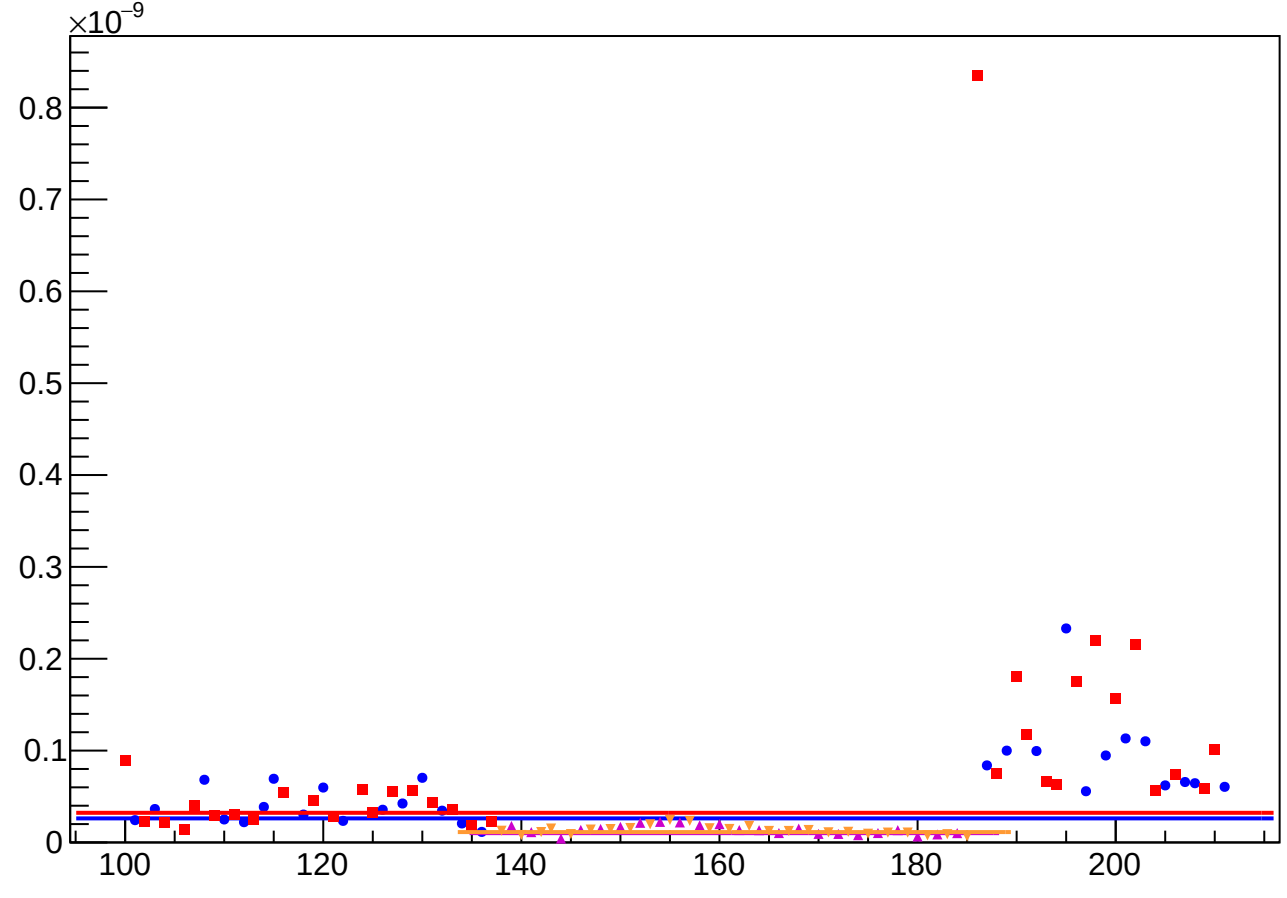
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 83.5/60

In: 0.000+/-0.000 χ^2/NDF:69.2/50

Out: 0.000+/-0.000 χ^2/NDF:84.0/57

All: 0.000+/-0.000 χ^2/NDF: 154.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 7174836.8/27

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6980222.8/32

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

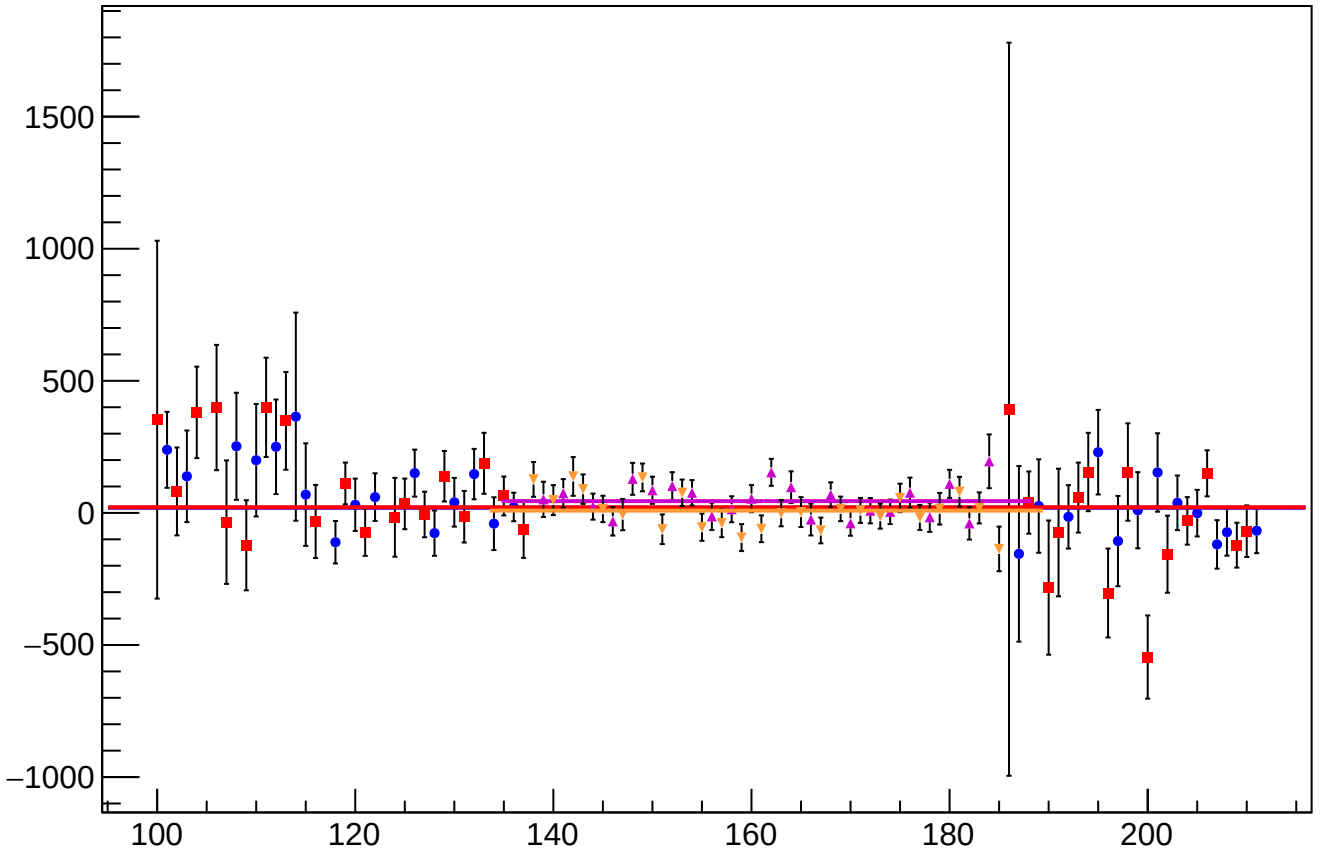
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14430698.8/60

In: 0.000+/-0.000 χ^2/NDF:15217702.4/50

Out: 0.000+/-0.000 χ^2/NDF:14639214.6/57

All: 0.000+/-0.000 χ^2/NDF: 30025623.8/108



Right In: 19.643+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 21.286+/-21.122 χ^2/NDF: 50.0/32

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

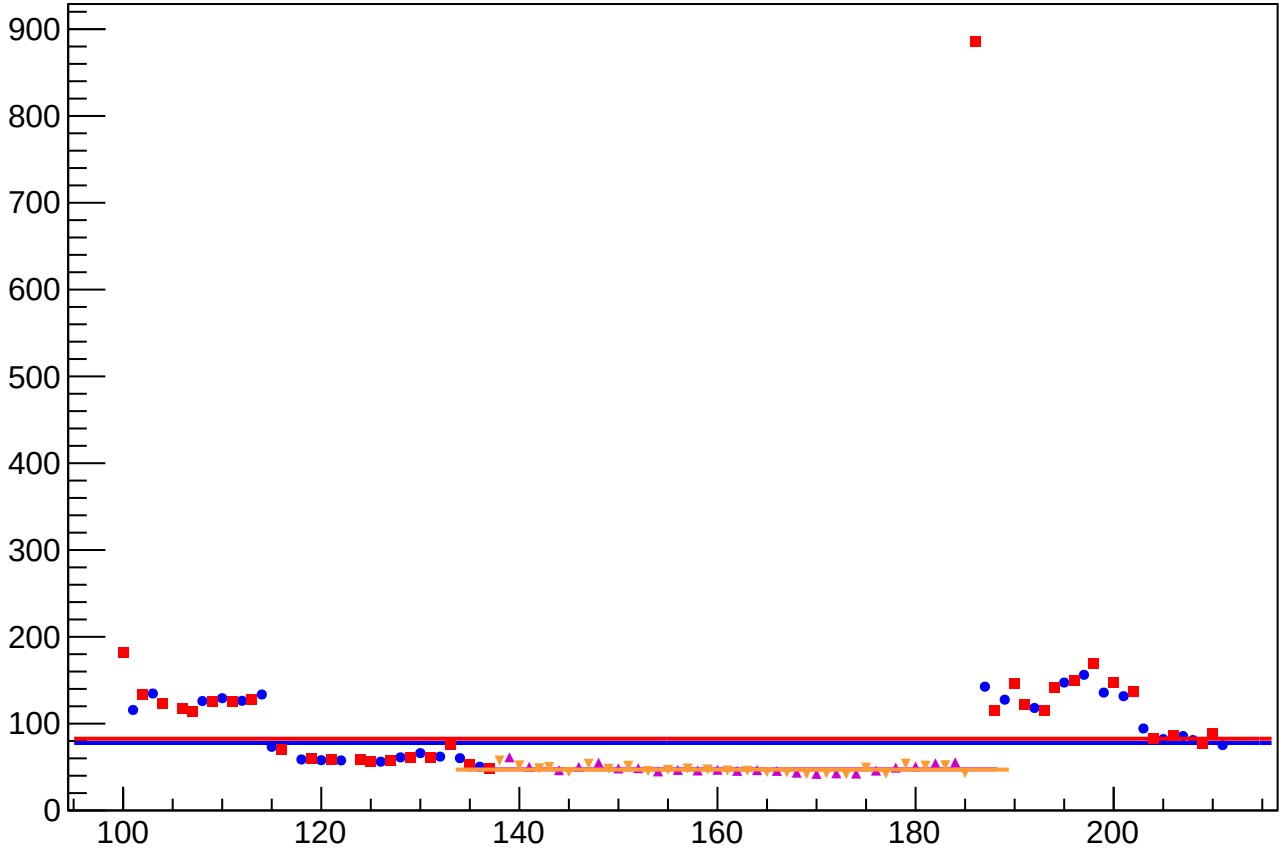
Right: 20.438+/-14.697 χ^2/NDF: 73.8/60

In: 38.843+/-9.790 χ^2/NDF:51.9/50

Out: 11.341+/-9.594 χ^2/NDF:84.9/57

All: 24.814+/-6.852 χ^2/NDF: 140.8/108

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 77.707+/-0.014 χ^2/NDF: 3842992.4/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.640+/-0.015 χ^2/NDF: 5000958.7/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

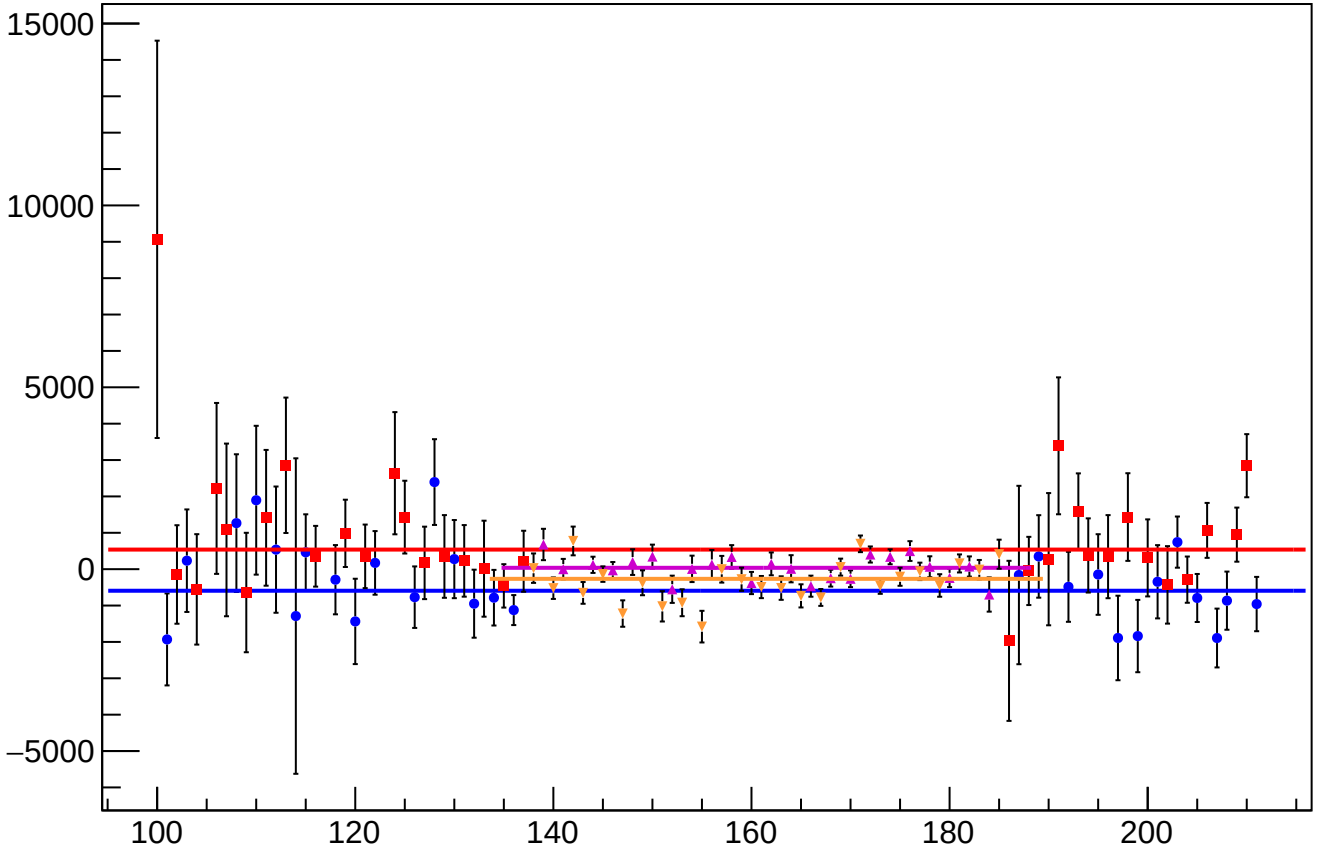
Right: 80.095+/-0.010 χ^2/NDF: 8900226.7/60

In: 54.324+/-0.007 χ^2/NDF:7500496.1/50

Out: 54.404+/-0.007 χ^2/NDF:9791541.1/57

All: 54.365+/-0.005 χ^2/NDF: 17292106.1/108

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -593.087+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 538.612+/-183.775 χ^2/NDF: 28.2/32

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

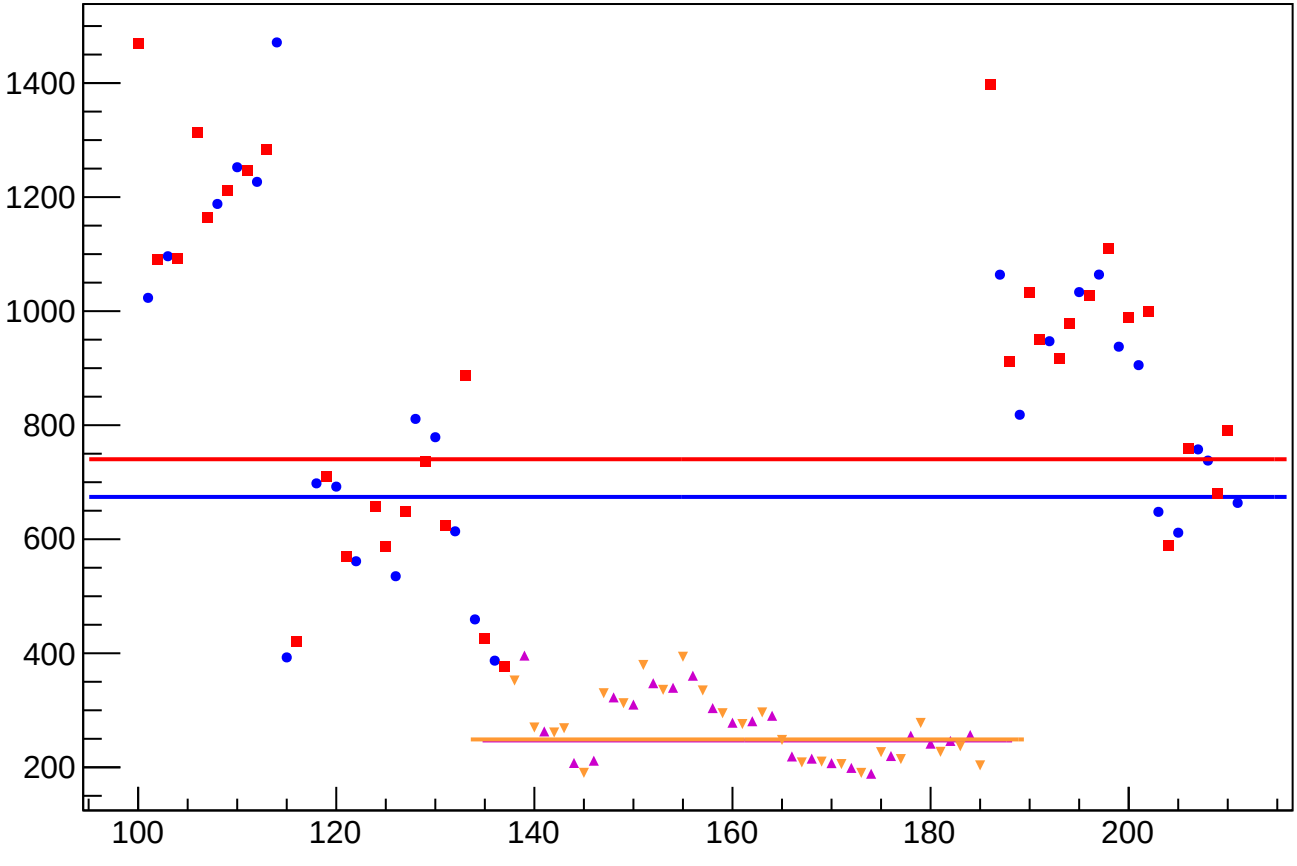
Right: -54.387+/-126.793 χ^2/NDF: 74.2/60

In: -27.041+/-56.049 χ^2/NDF:64.4/50

Out: -192.757+/-55.338 χ^2/NDF:115.4/57

All: -110.957+/-39.379 χ^2/NDF: 184.2/108

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.201+/-0.124 χ^2/NDF: 3306671.7/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.288+/-0.130 χ^2/NDF: 3532496.6/32

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

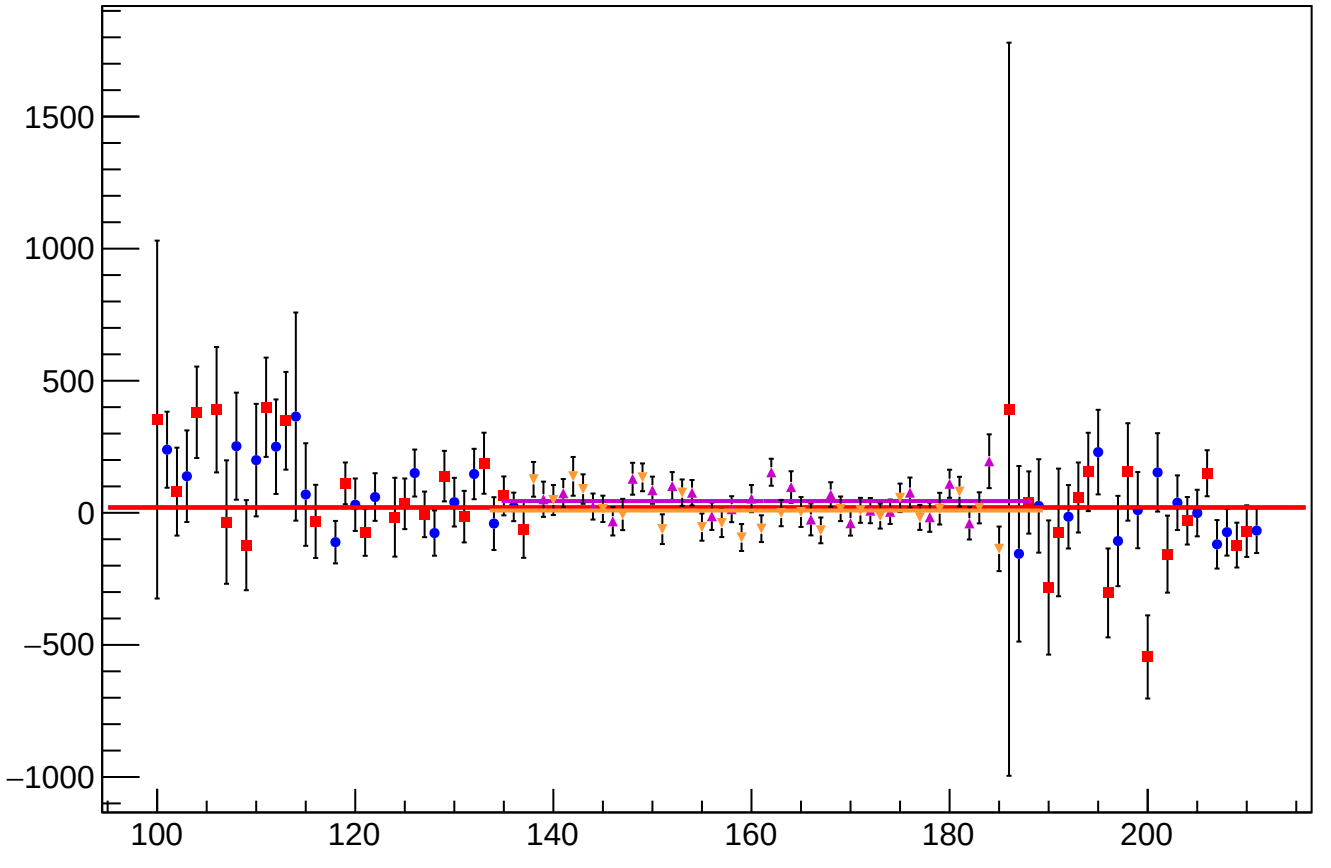
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 705.659+/-0.090 χ^2/NDF: 6974691.2/60

In: 290.840+/-0.040 χ^2/NDF:15464295.9/50

Out: 293.447+/-0.039 χ^2/NDF:18199183.9/57

All: 292.160+/-0.028 χ^2/NDF: 33665669.9/10



Right In: 19.635+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 21.194+/-21.123 χ^2/NDF: 49.9/32

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

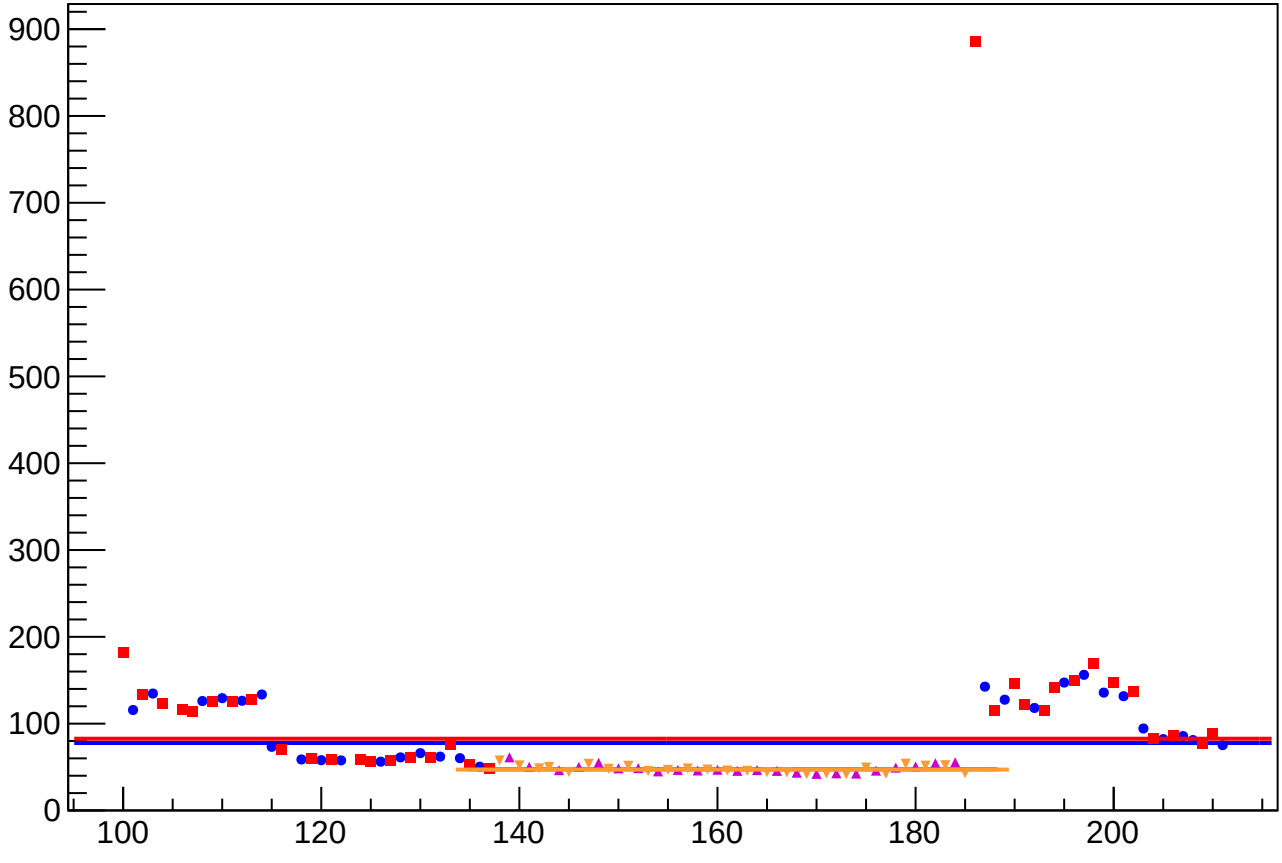
Right: 20.390+/-14.697 χ^2/NDF: 73.7/60

In: 38.840+/-9.790 χ^2/NDF:51.9/50

Out: 11.324+/-9.594 χ^2/NDF:84.8/57

All: 24.804+/-6.852 χ^2/NDF: 140.7/108

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 77.707+/-0.014 χ^2/NDF: 3842994.7/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.632+/-0.015 χ^2/NDF: 4998700.5/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

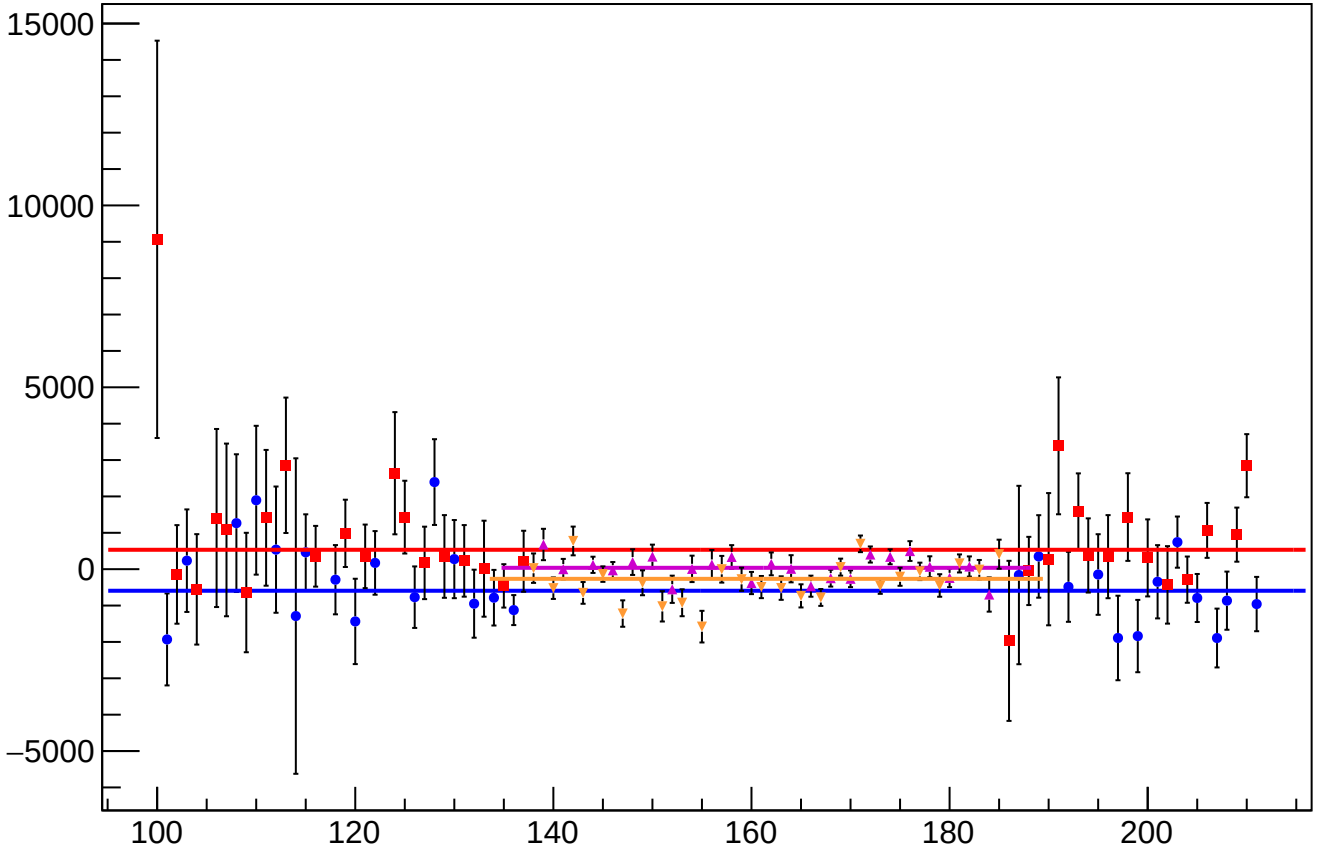
Right: 80.091+/-0.010 χ^2/NDF: 8897778.4/60

In: 54.324+/-0.007 χ^2/NDF:7500498.2/50

Out: 54.402+/-0.007 χ^2/NDF:9787030.6/57

All: 54.364+/-0.005 χ^2/NDF: 17287594.4/108

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -593.080+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 533.278+/-183.822 χ^2/NDF: 27.8/32

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

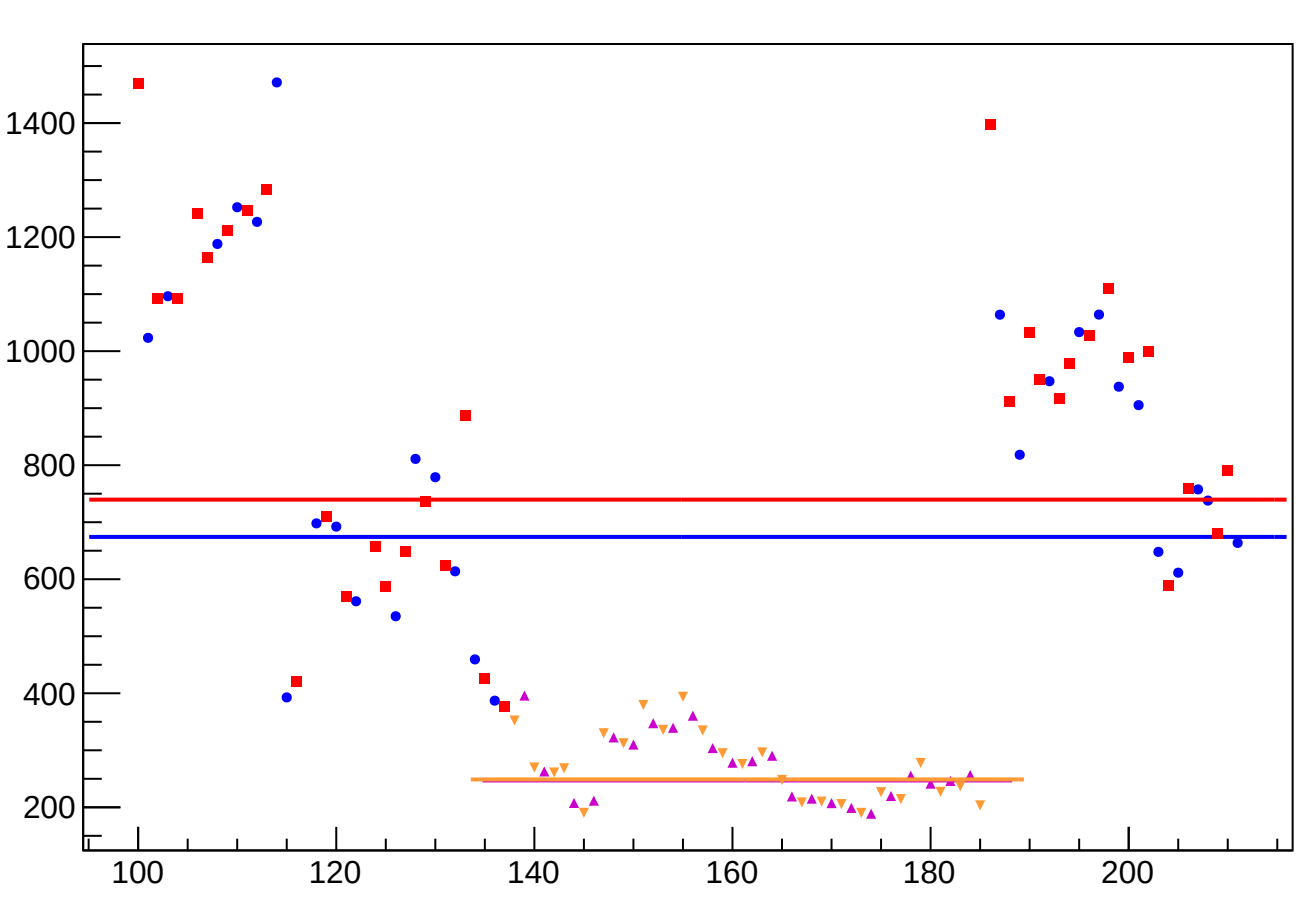
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -57.065+/-126.808 χ^2/NDF: 73.6/60

In: -27.043+/-56.049 χ^2/NDF:64.4/50

Out: -193.271+/-55.339 χ^2/NDF:114.7/57

All: -111.216+/-39.379 χ^2/NDF: 183.6/108



Right In: 674.201+/-0.124 χ^2/NDF: 3306711.1/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.612+/-0.130 χ^2/NDF: 3497739.6/32

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

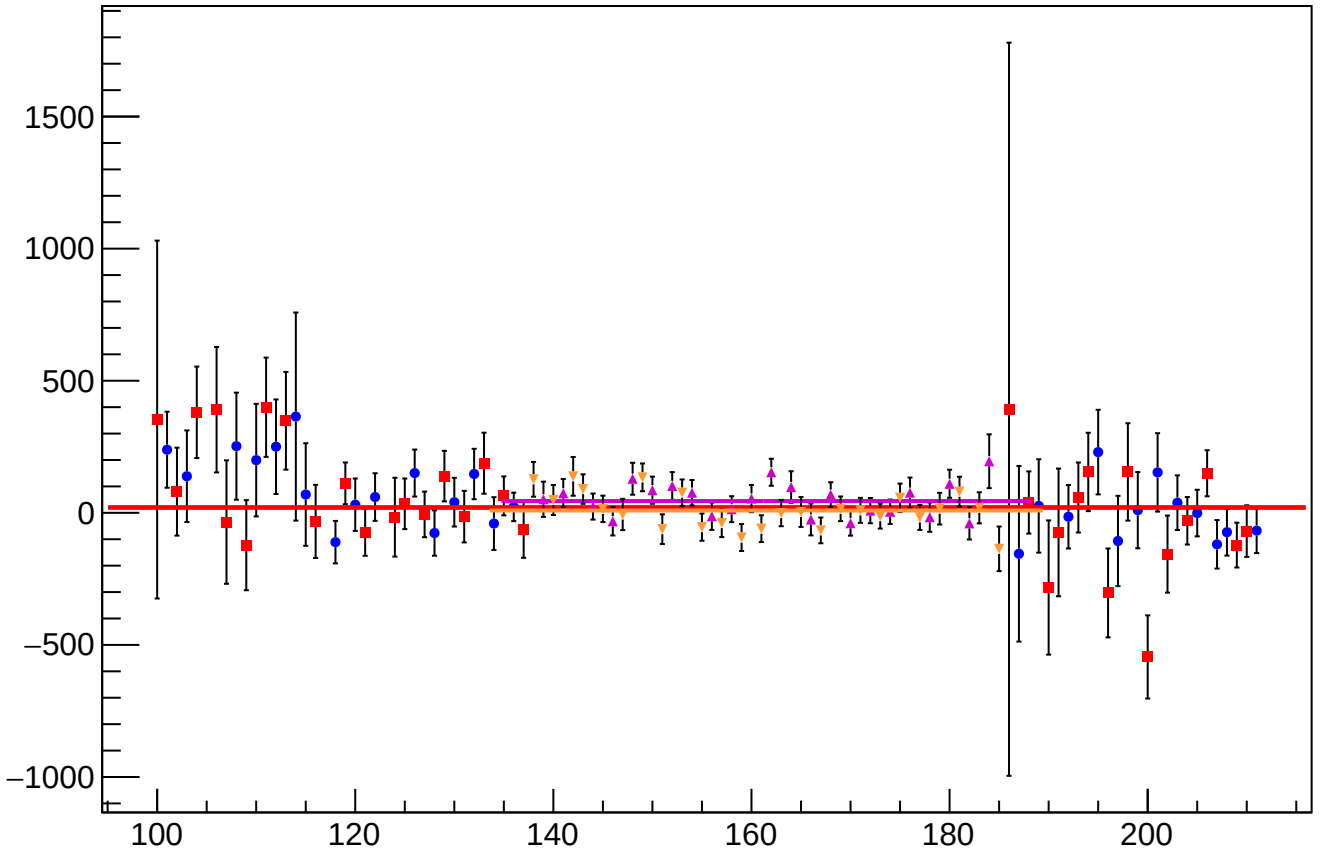
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.329+/-0.090 χ^2/NDF: 6937179.5/60

In: 290.840+/-0.040 χ^2/NDF:15464308.0/50

Out: 293.365+/-0.039 χ^2/NDF:18122703.9/57

All: 292.119+/-0.028 χ^2/NDF: 33589066.0/10



Right In: 19.635+/-20.463 χ^2/NDF: 23.8/27

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 21.194+/-21.123 χ^2/NDF: 49.9/32

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

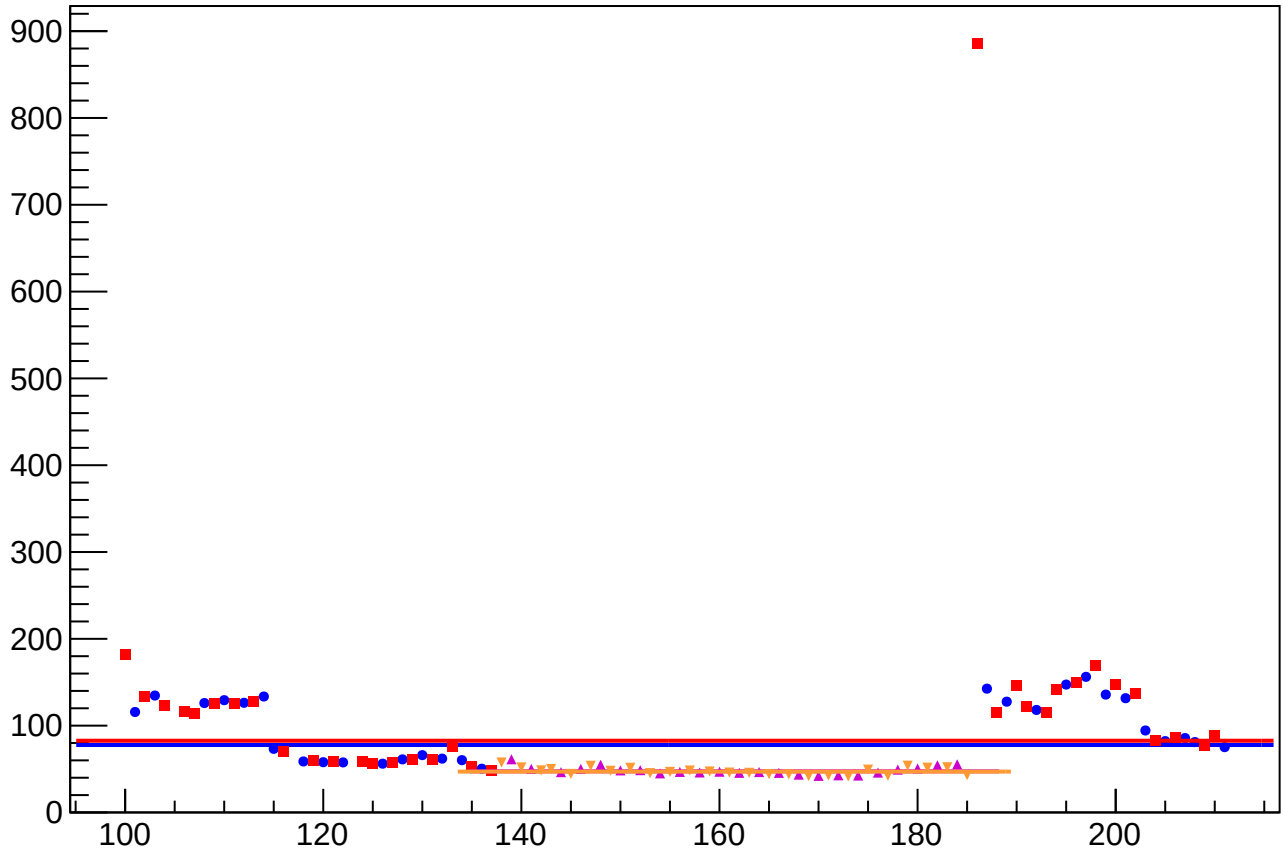
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.390+/-14.697 χ^2/NDF: 73.7/60

In: 38.840+/-9.790 χ^2/NDF:51.9/50

Out: 11.324+/-9.594 χ^2/NDF:84.8/57

All: 24.804+/-6.852 χ^2/NDF: 140.7/108



Right In: 77.707+/-0.014 χ^2/NDF: 3842994.7/27

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.632+/-0.015 χ^2/NDF: 4998700.5/32

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

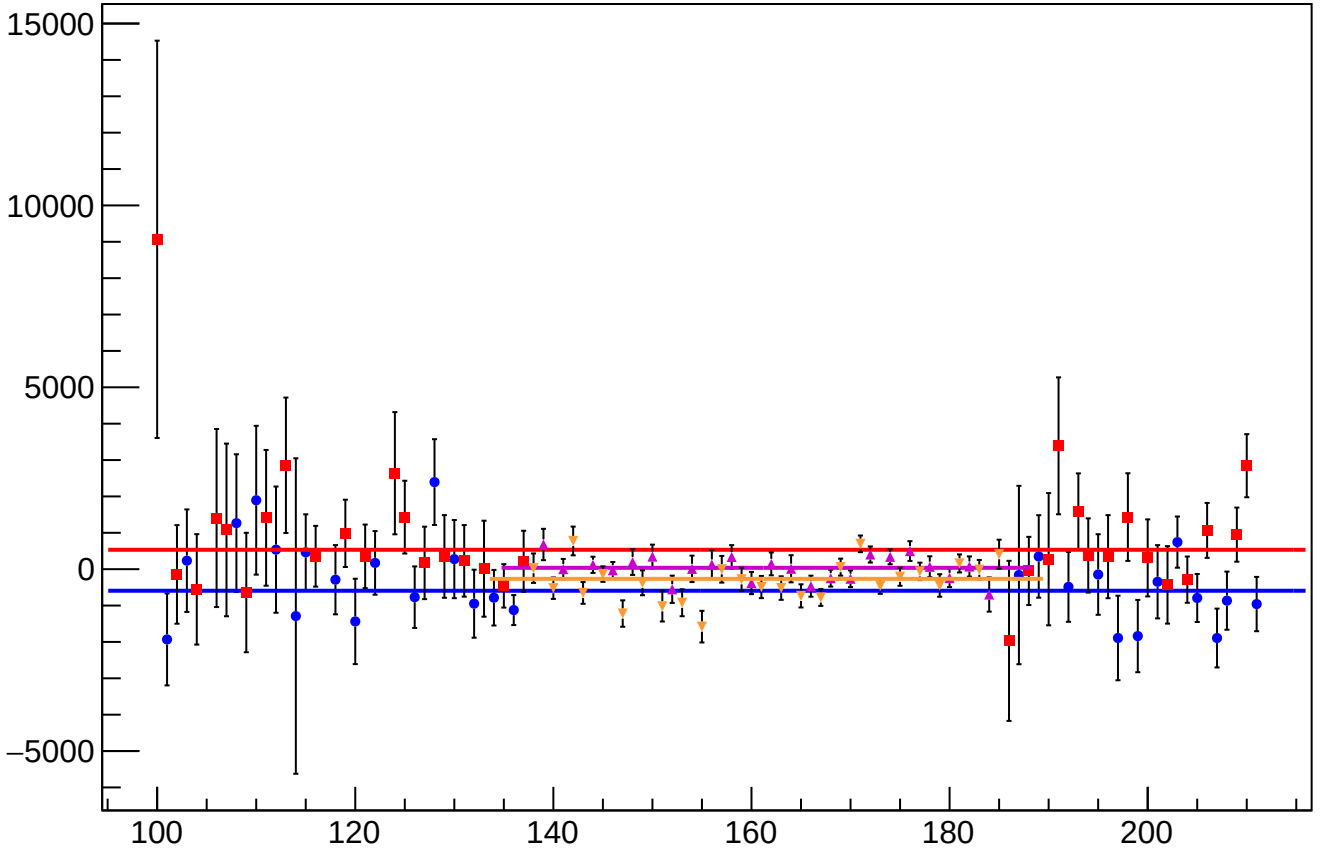
Right: 80.091+/-0.010 χ^2/NDF: 8897778.4/60

In: 54.324+/-0.007 χ^2/NDF:7500498.2/50

Out: 54.402+/-0.007 χ^2/NDF:9787030.6/57

All: 54.364+/-0.005 χ^2/NDF: 17287594.4/108

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -593.080+/-175.159 χ^2/NDF: 26.2/27

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 533.278+/-183.822 χ^2/NDF: 27.8/32

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

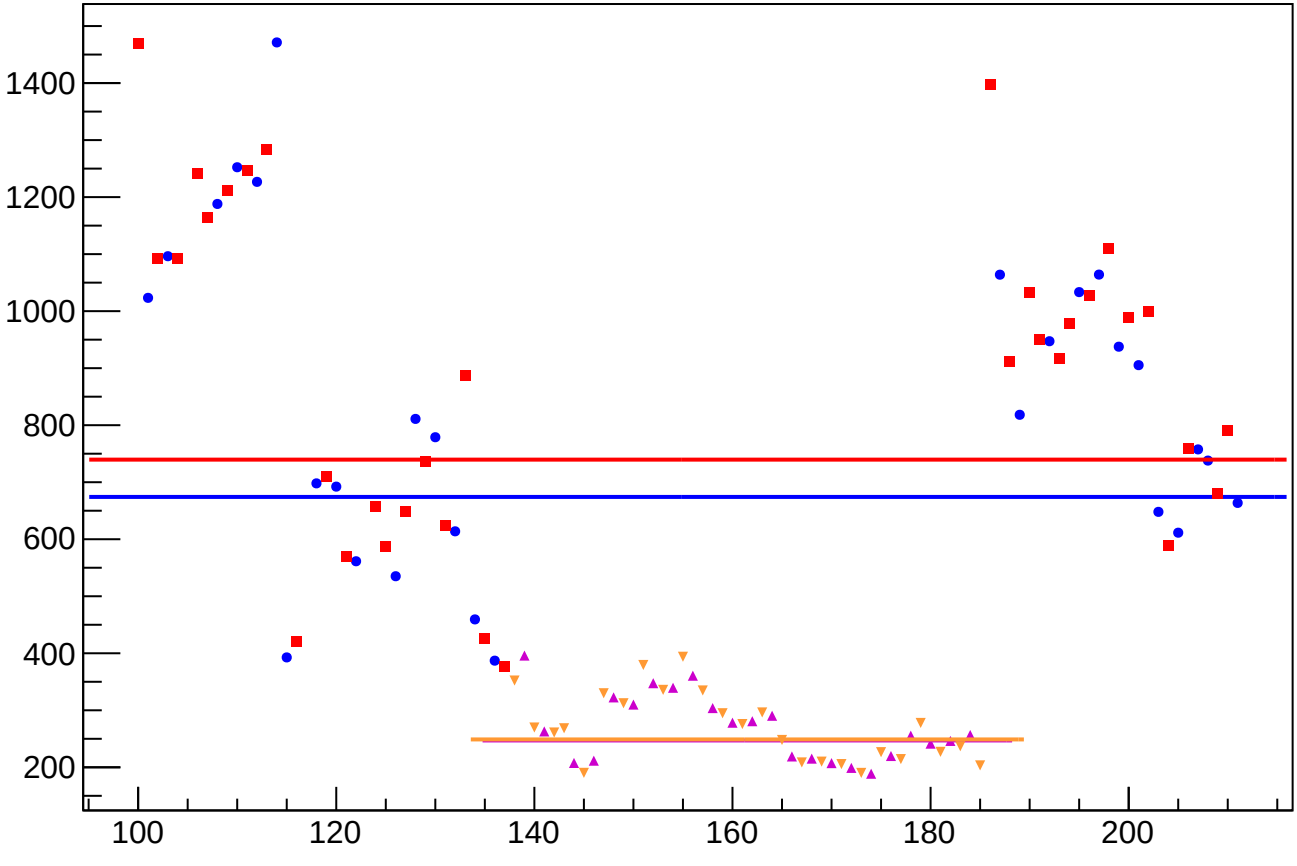
Right: -57.065+/-126.808 χ^2/NDF: 73.6/60

In: -27.043+/-56.049 χ^2/NDF:64.4/50

Out: -193.271+/-55.339 χ^2/NDF:114.7/57

All: -111.216+/-39.379 χ^2/NDF: 183.6/108

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.201+/-0.124 χ^2/NDF: 3306711.1/27

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.612+/-0.130 χ^2/NDF: 3497739.6/32

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

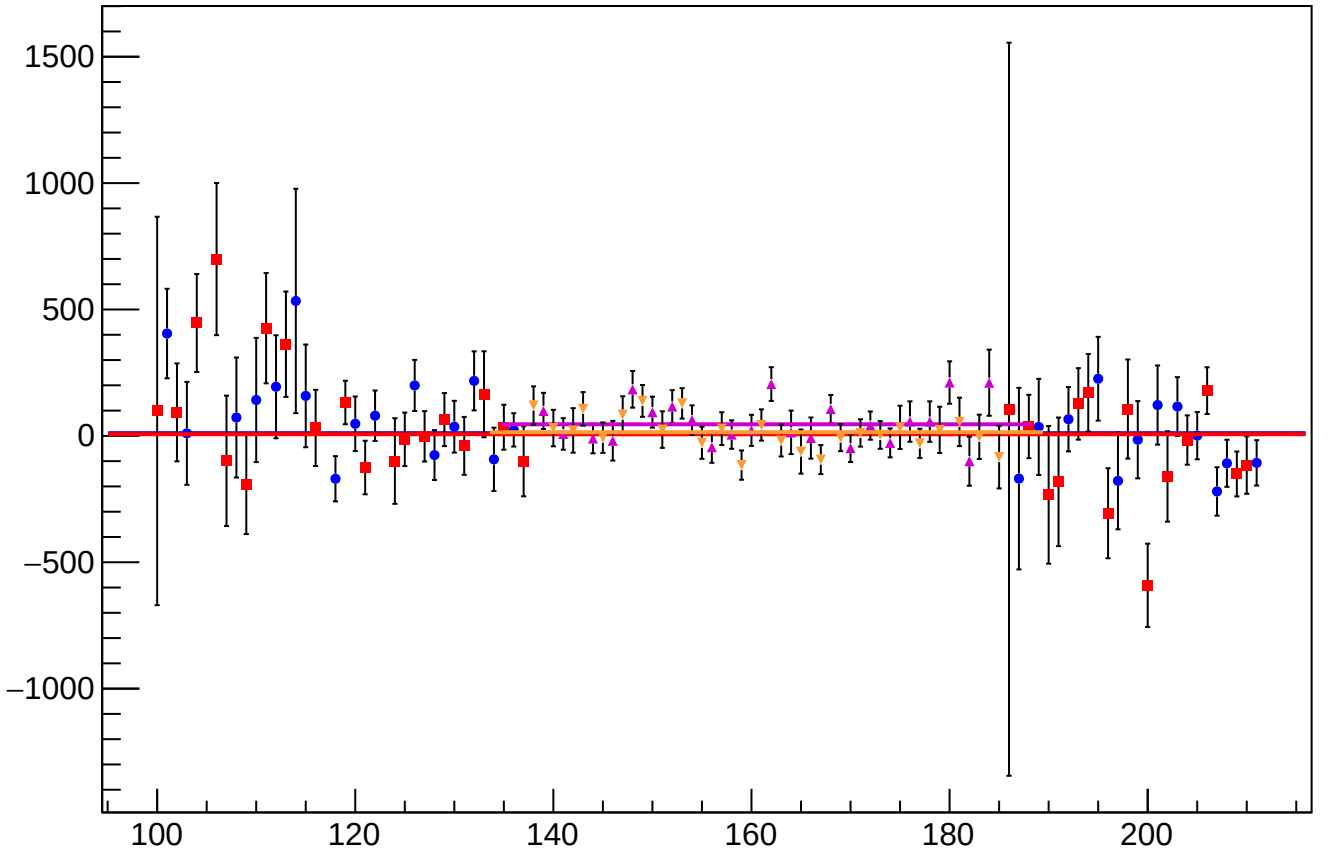
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.329+/-0.090 χ^2/NDF: 6937179.5/60

In: 290.840+/-0.040 χ^2/NDF:15464308.0/50

Out: 293.365+/-0.039 χ^2/NDF:18122703.9/57

All: 292.119+/-0.028 χ^2/NDF: 33589066.0/10



Right In: 10.535+/-22.946 χ^2/NDF: 34.5/27

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 6.442+/-23.826 χ^2/NDF: 53.1/32

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

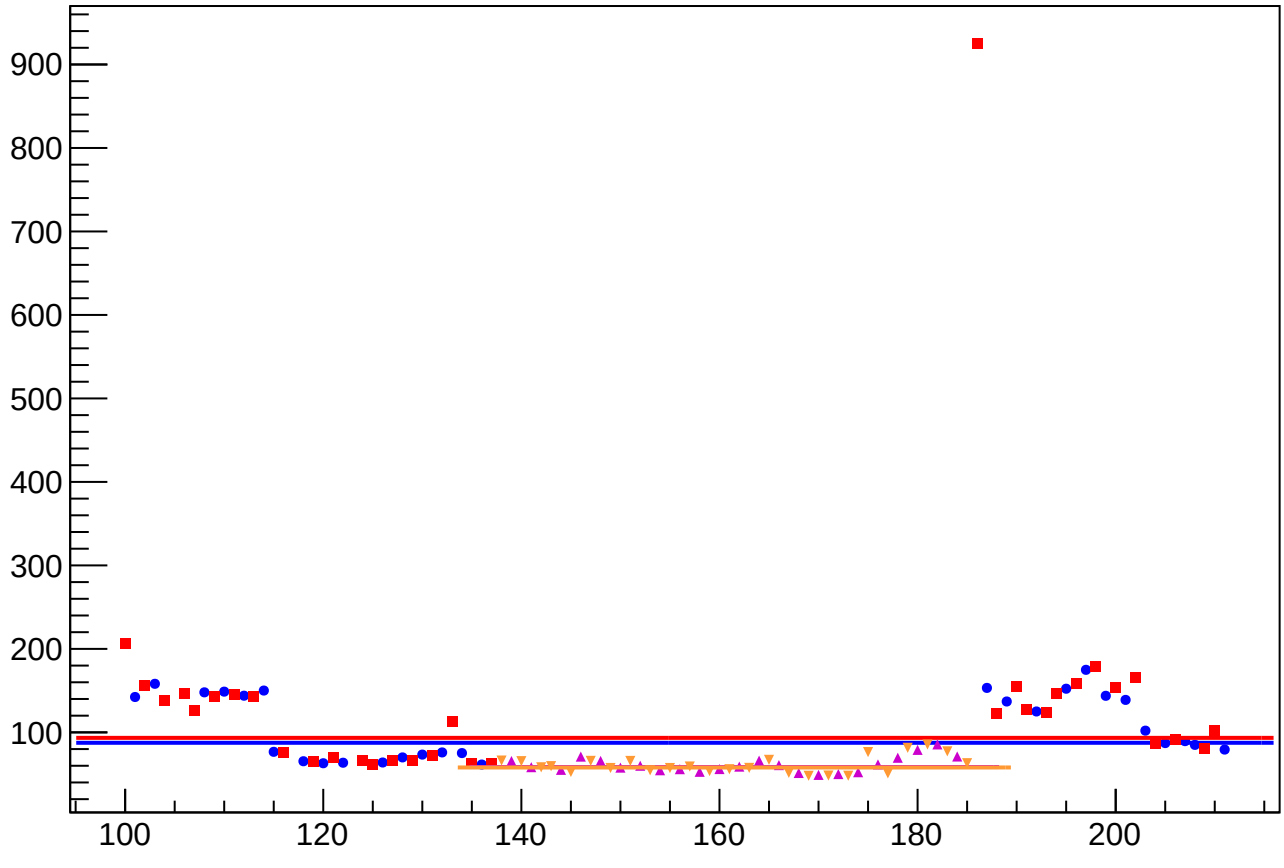
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 8.566+/-16.528 χ^2/NDF: 87.6/60

In: 36.307+/-11.908 χ^2/NDF:67.0/50

Out: 12.550+/-11.715 χ^2/NDF:77.7/57

All: 24.235+/-8.351 χ^2/NDF: 146.7/108



Right In: 87.519+/-0.016 χ^2/NDF: 3419636.5/27

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 93.426+/-0.017 χ^2/NDF: 4612846.8/32

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

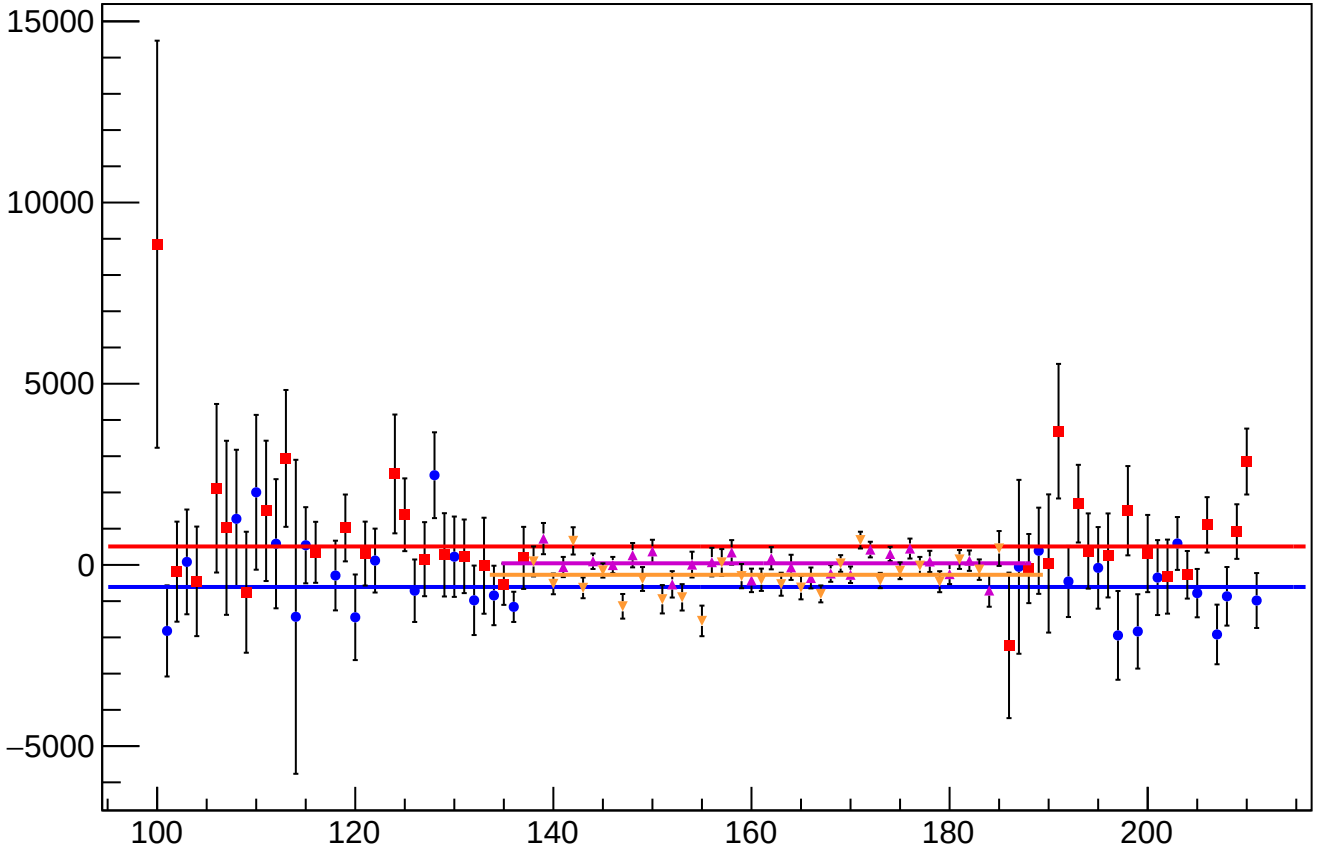
Right: 90.361+/-0.012 χ^2/NDF: 8096255.7/60

In: 66.300+/-0.008 χ^2/NDF:6410140.5/50

Out: 66.539+/-0.008 χ^2/NDF:8868813.6/57

All: 66.421+/-0.006 χ^2/NDF: 15279361.6/108

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -608.944+/-178.723 χ^2/NDF: 25.3/27

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 509.075+/-185.260 χ^2/NDF: 29.2/32

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

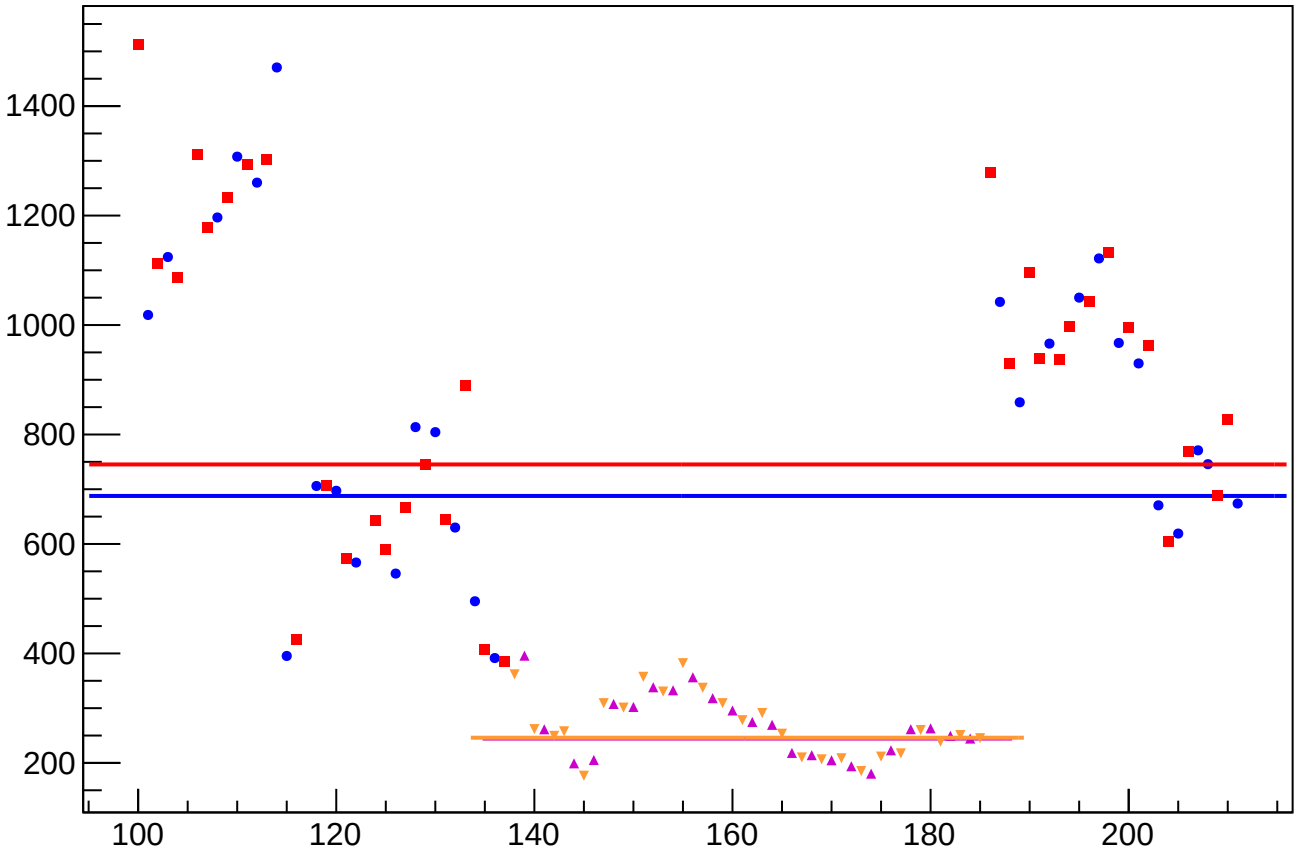
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -70.005+/-128.625 χ^2/NDF: 73.3/60

In: -18.910+/-55.695 χ^2/NDF:63.8/50

Out: -204.328+/-54.719 χ^2/NDF:111.2/57

All: -113.259+/-39.033 χ^2/NDF: 180.7/108



Right In: 687.740+/-0.126 χ^2/NDF: 3340372.4/27

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.302+/-0.131 χ^2/NDF: 3643102.6/32

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

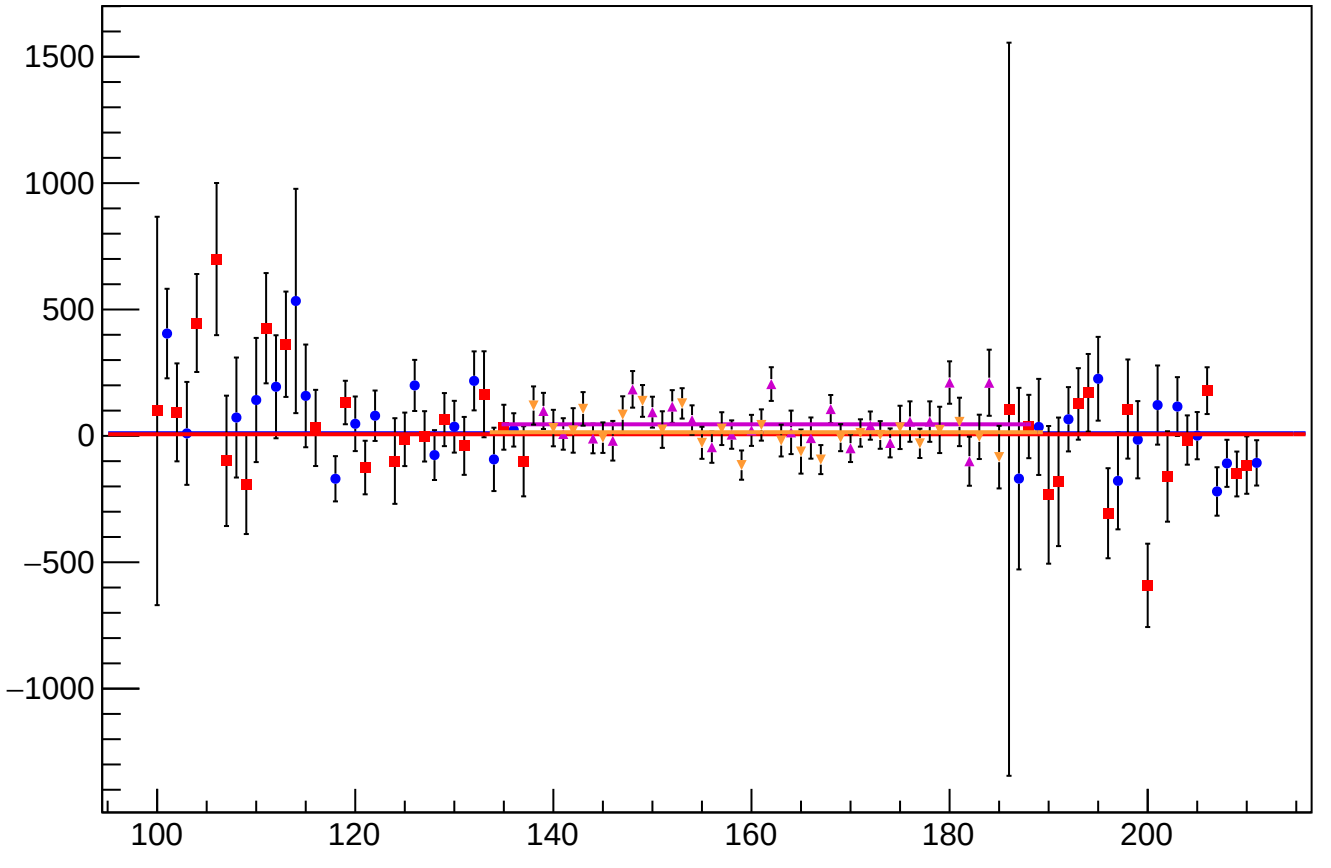
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 715.488+/-0.091 χ^2/NDF: 7083480.2/60

In: 287.499+/-0.039 χ^2/NDF:16046405.5/50

Out: 289.574+/-0.039 χ^2/NDF:18583026.4/57

All: 288.555+/-0.028 χ^2/NDF: 34630844.0/10



Right In: 10.537+/-22.946 χ^2/NDF: 34.5/27

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 6.442+/-23.826 χ^2/NDF: 53.1/32

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

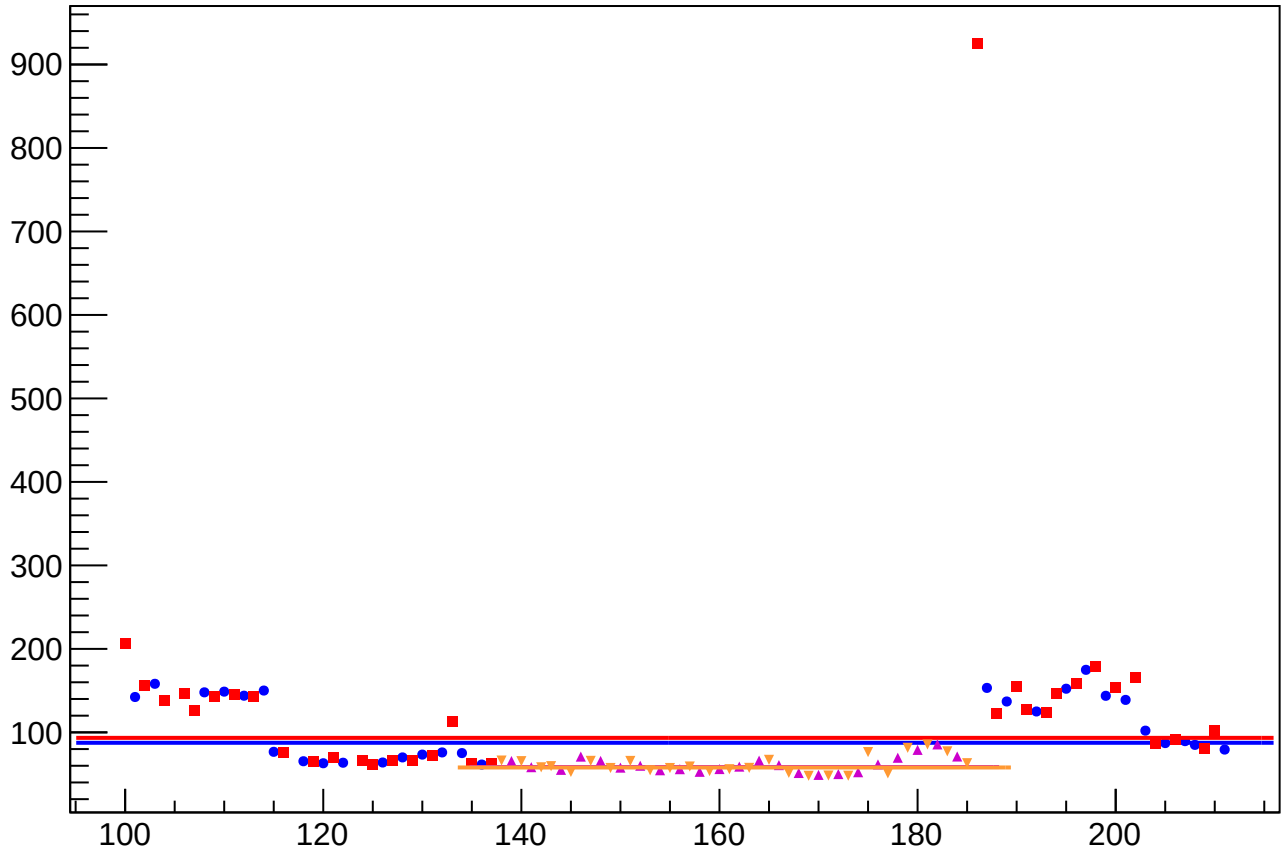
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 8.566+/-16.528 χ^2/NDF: 87.6/60

In: 36.307+/-11.908 χ^2/NDF:67.0/50

Out: 12.550+/-11.715 χ^2/NDF:77.7/57

All: 24.234+/-8.351 χ^2/NDF: 146.7/108



Right In: 87.519+/-0.016 χ^2/NDF: 3419638.0/27

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 93.426+/-0.017 χ^2/NDF: 4612858.5/32

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

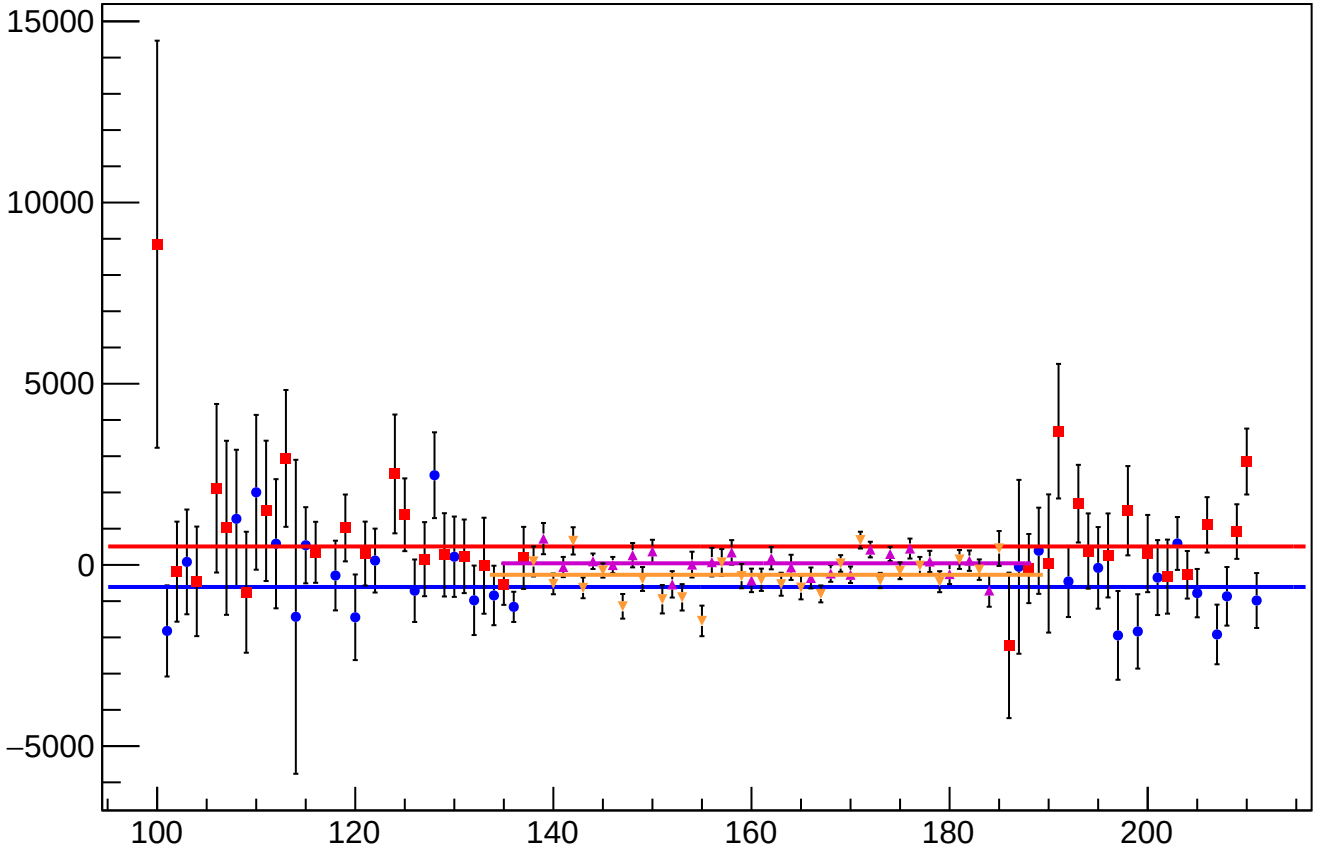
Right: 90.361+/-0.012 χ^2/NDF: 8096270.4/60

In: 66.300+/-0.008 χ^2/NDF:6410069.6/50

Out: 66.539+/-0.008 χ^2/NDF:8868779.7/57

All: 66.422+/-0.006 χ^2/NDF: 15279256.7/108

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -608.942+/-178.723 χ^2/NDF: 25.3/27

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 509.075+/-185.260 χ^2/NDF: 29.2/32

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

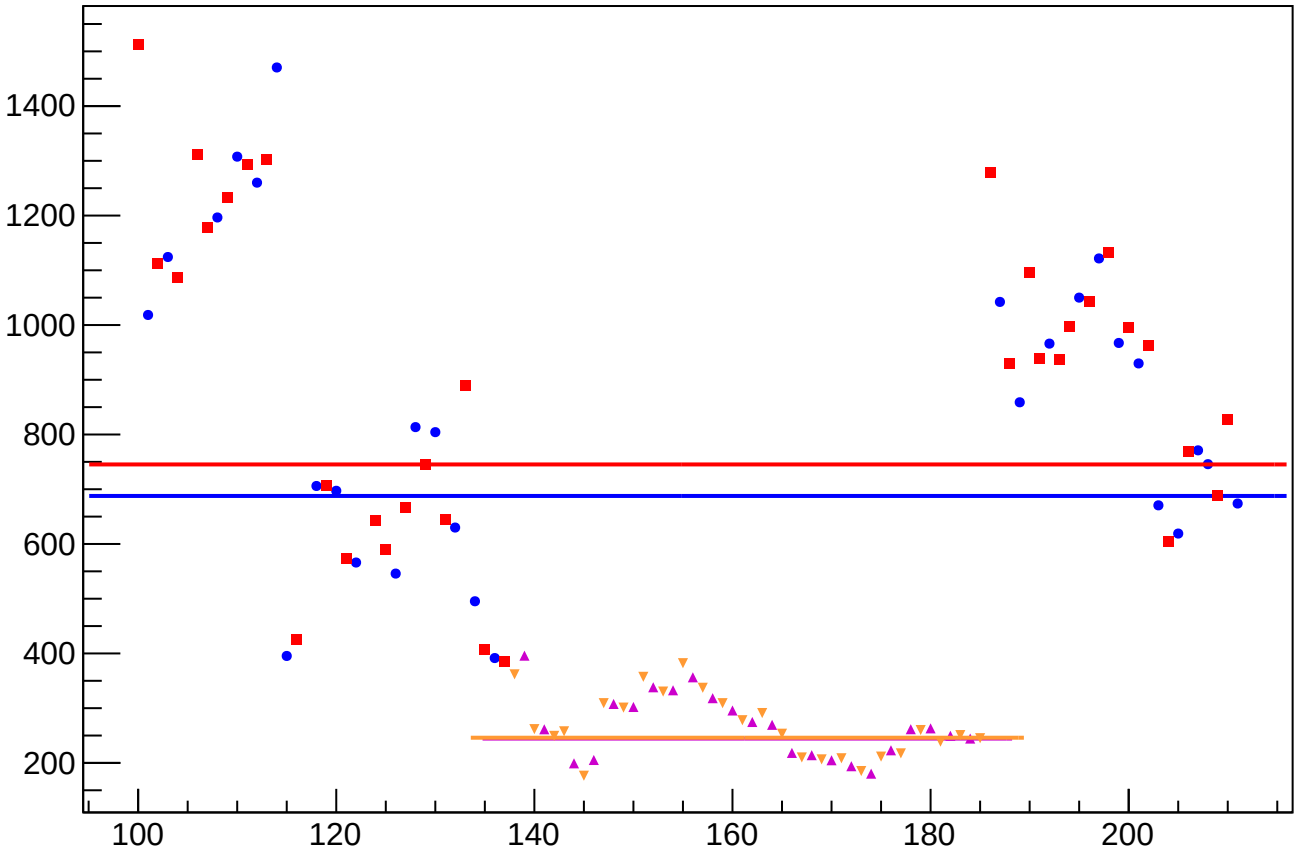
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -70.004+/-128.625 χ^2/NDF: 73.3/60

In: -18.910+/-55.695 χ^2/NDF:63.8/50

Out: -204.328+/-54.719 χ^2/NDF:111.2/57

All: -113.259+/-39.033 χ^2/NDF: 180.7/108



Right In: 687.740+/-0.126 χ^2/NDF: 3340355.9/27

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.302+/-0.131 χ^2/NDF: 3643083.0/32

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

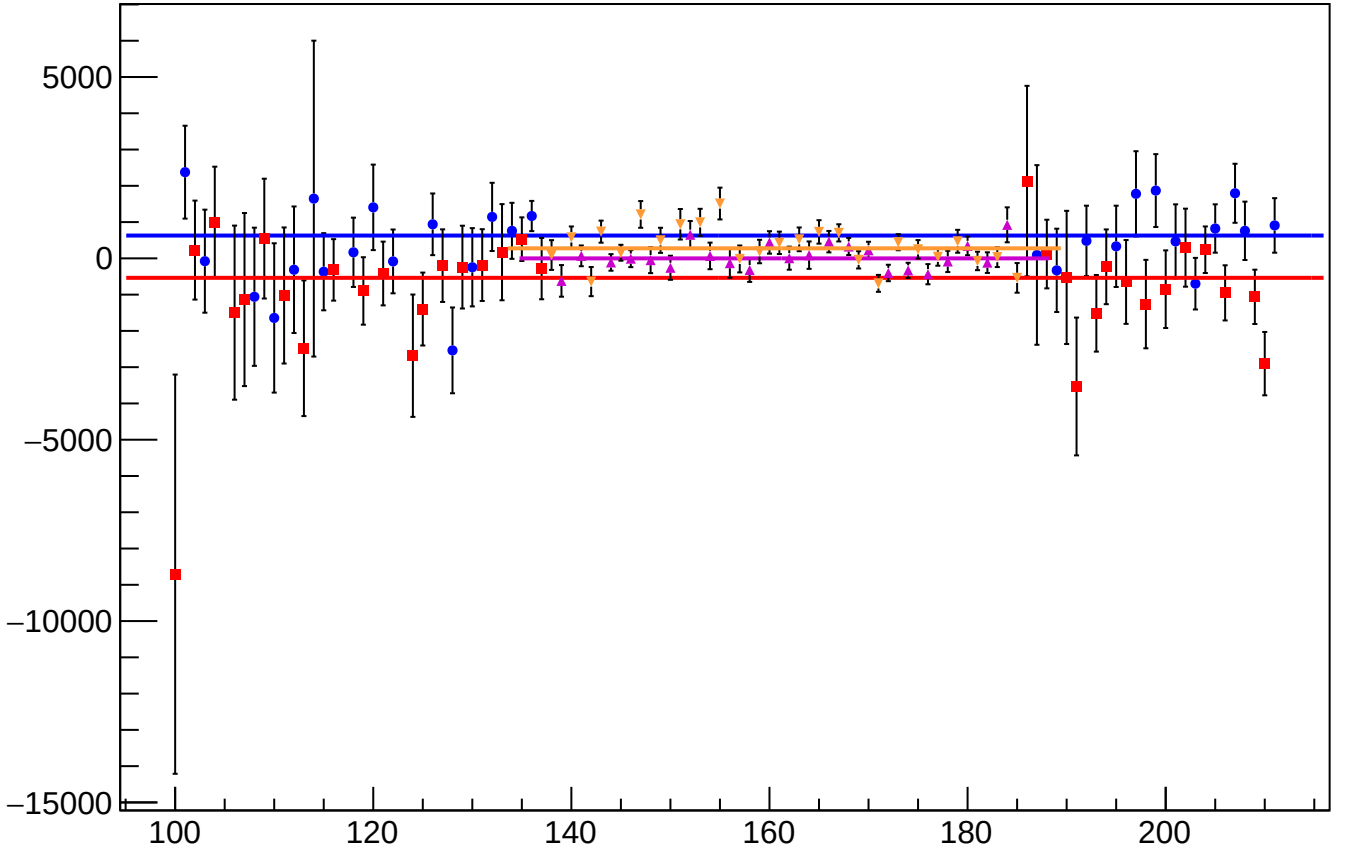
Right: 715.487+/-0.091 χ^2/NDF: 7083444.9/60

In: 287.499+/-0.039 χ^2/NDF:16046391.7/50

Out: 289.573+/-0.039 χ^2/NDF:18583038.9/57

All: 288.554+/-0.028 χ^2/NDF: 34630842.4/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 628.920+/-176.710 χ^2/NDF: 25.7/27

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -536.746+/-185.453 χ^2/NDF: 27.3/32

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

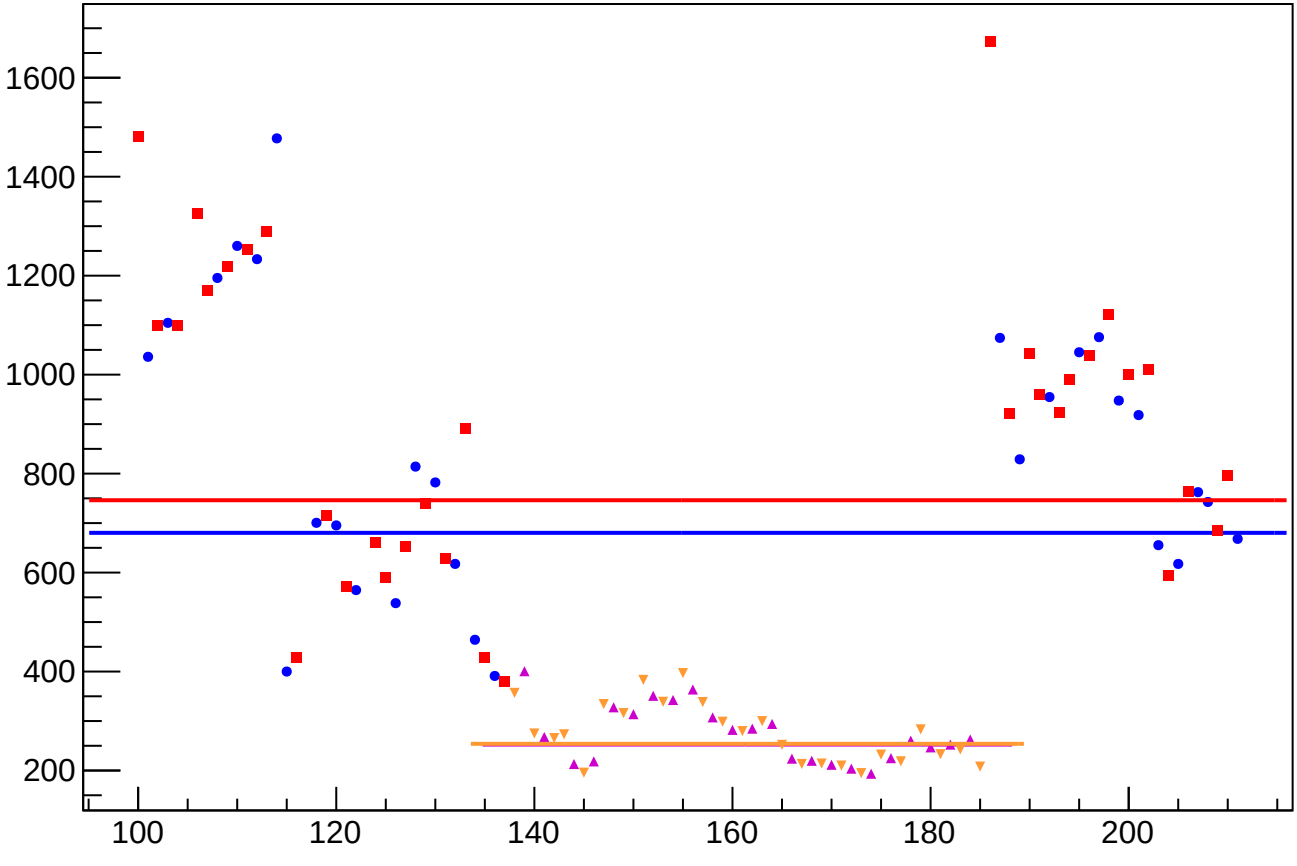
Right: 74.211+/-127.932 χ^2/NDF: 73.8/60

In: 65.207+/-57.116 χ^2/NDF:65.2/50

Out: 201.936+/-56.352 χ^2/NDF:108.9/57

All: 134.493+/-40.114 χ^2/NDF: 177.0/108

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 680.308+/-0.125 χ^2/NDF: 3295389.8/27

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 746.196+/-0.131 χ^2/NDF: 3600358.0/32

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

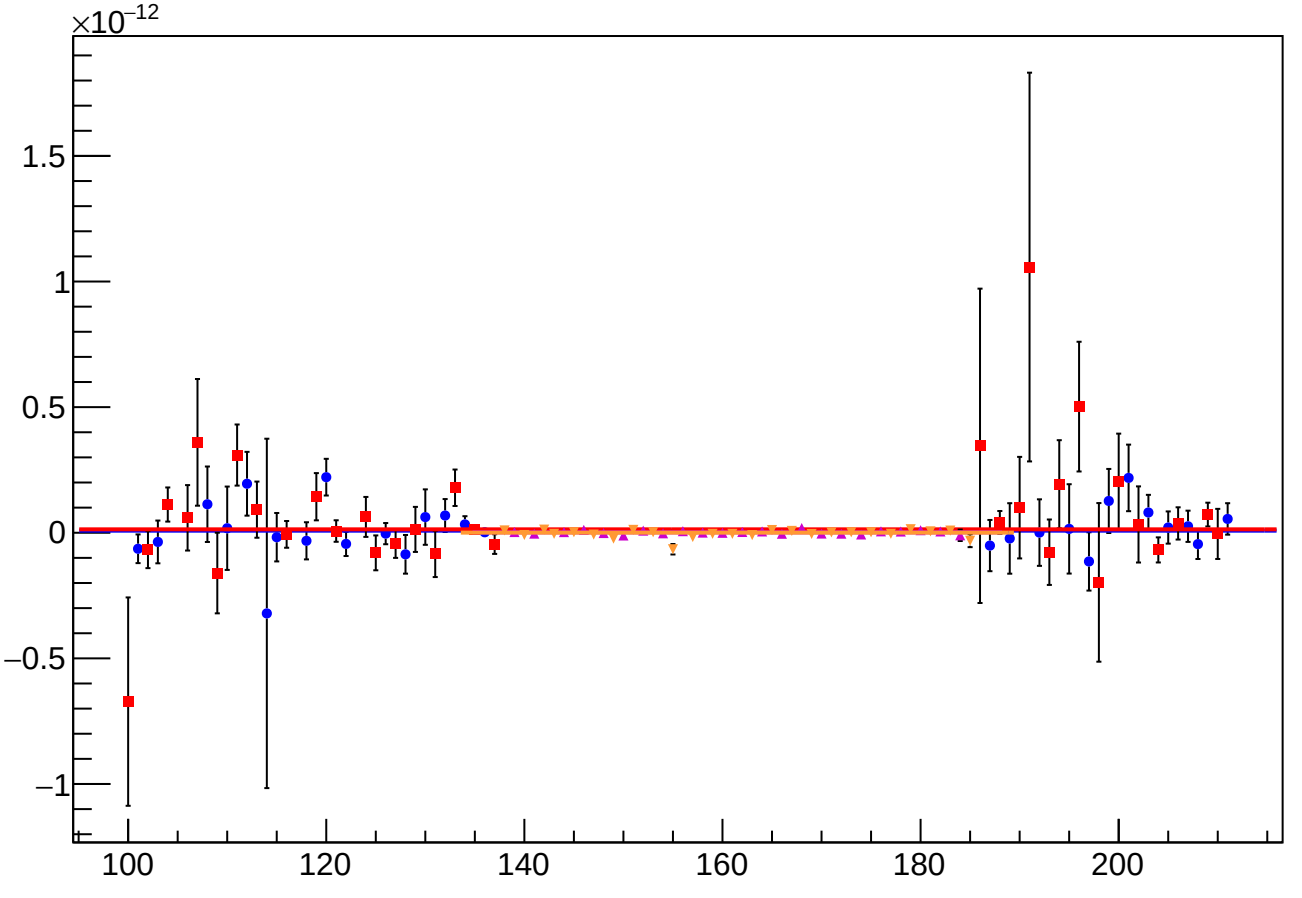
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 711.662+/-0.090 χ^2/NDF: 7028065.4/60

In: 297.096+/-0.040 χ^2/NDF:15210440.8/50

Out: 299.403+/-0.040 χ^2/NDF:17980495.1/57

All: 298.265+/-0.028 χ^2/NDF: 33192589.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/27

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/32

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

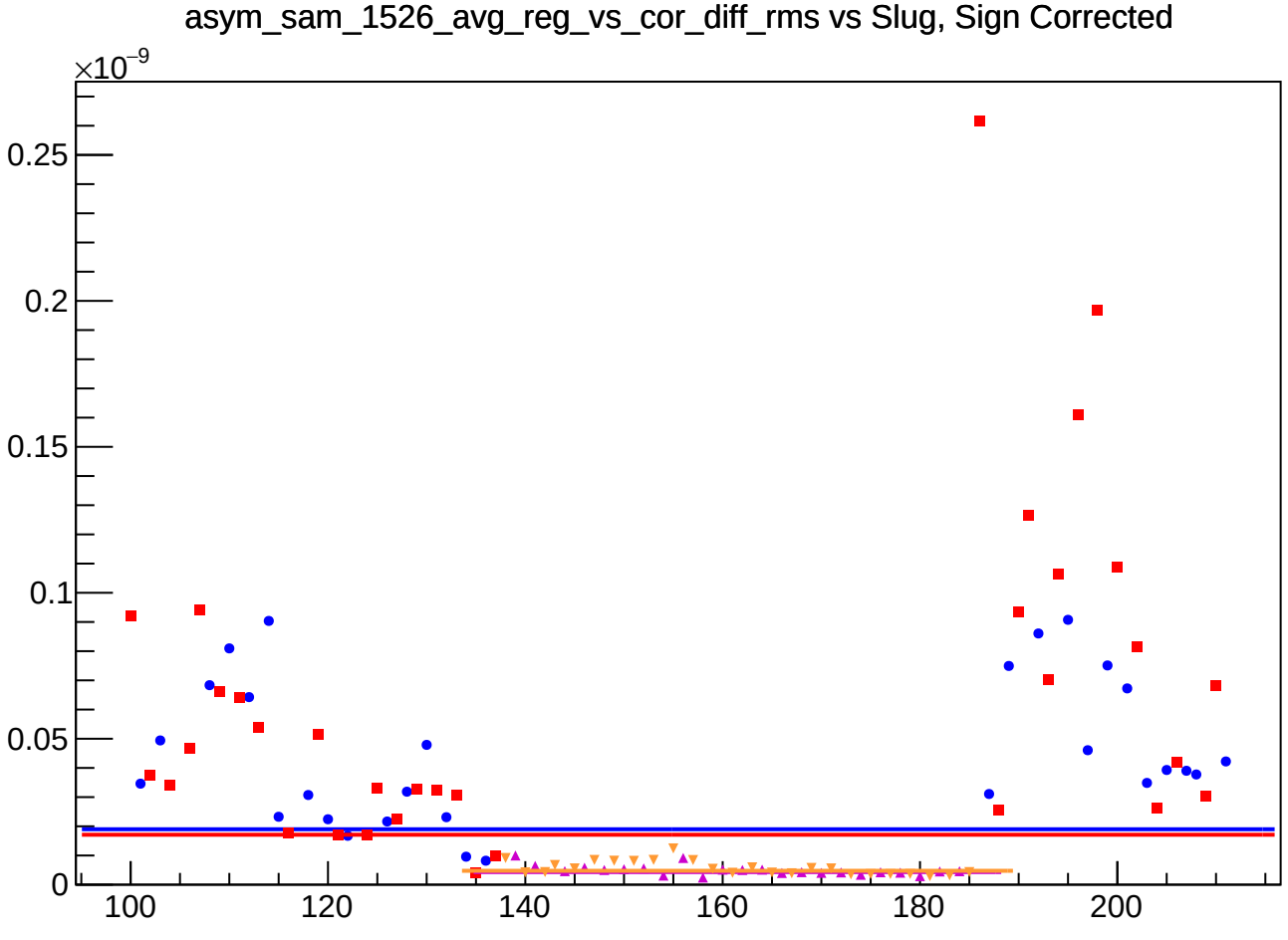
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 69.0/60

In: 0.000+/-0.000 χ^2/NDF:40.1/50

Out: 0.000+/-0.000 χ^2/NDF:71.9/57

All: 0.000+/-0.000 χ^2/NDF: 112.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 5833537.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8578277.2/32

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

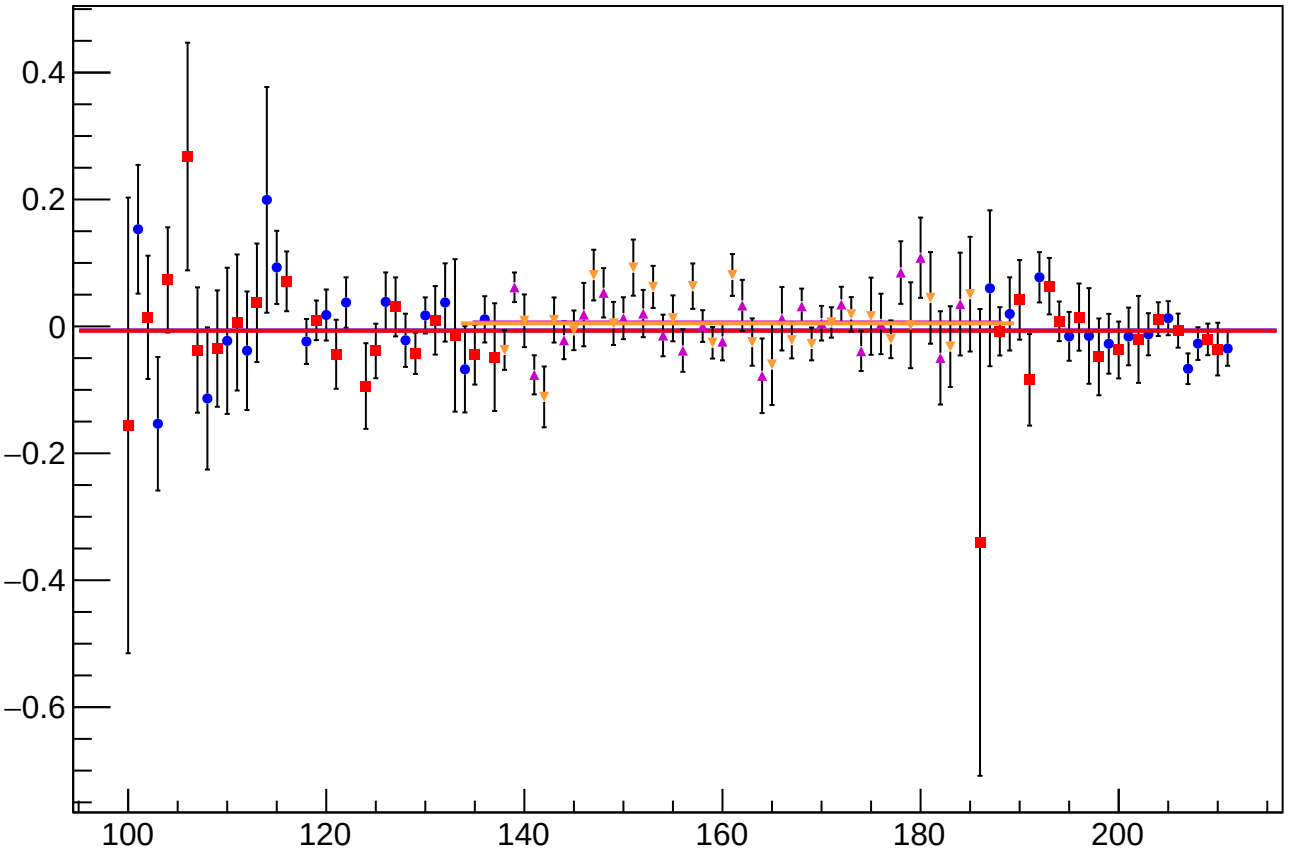
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14450081.6/60

In: 0.000+/-0.000 χ^2/NDF:11261160.0/50

Out: 0.000+/-0.000 χ^2/NDF:13386537.4/57

All: 0.000+/-0.000 χ^2/NDF: 24691310.6/108



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

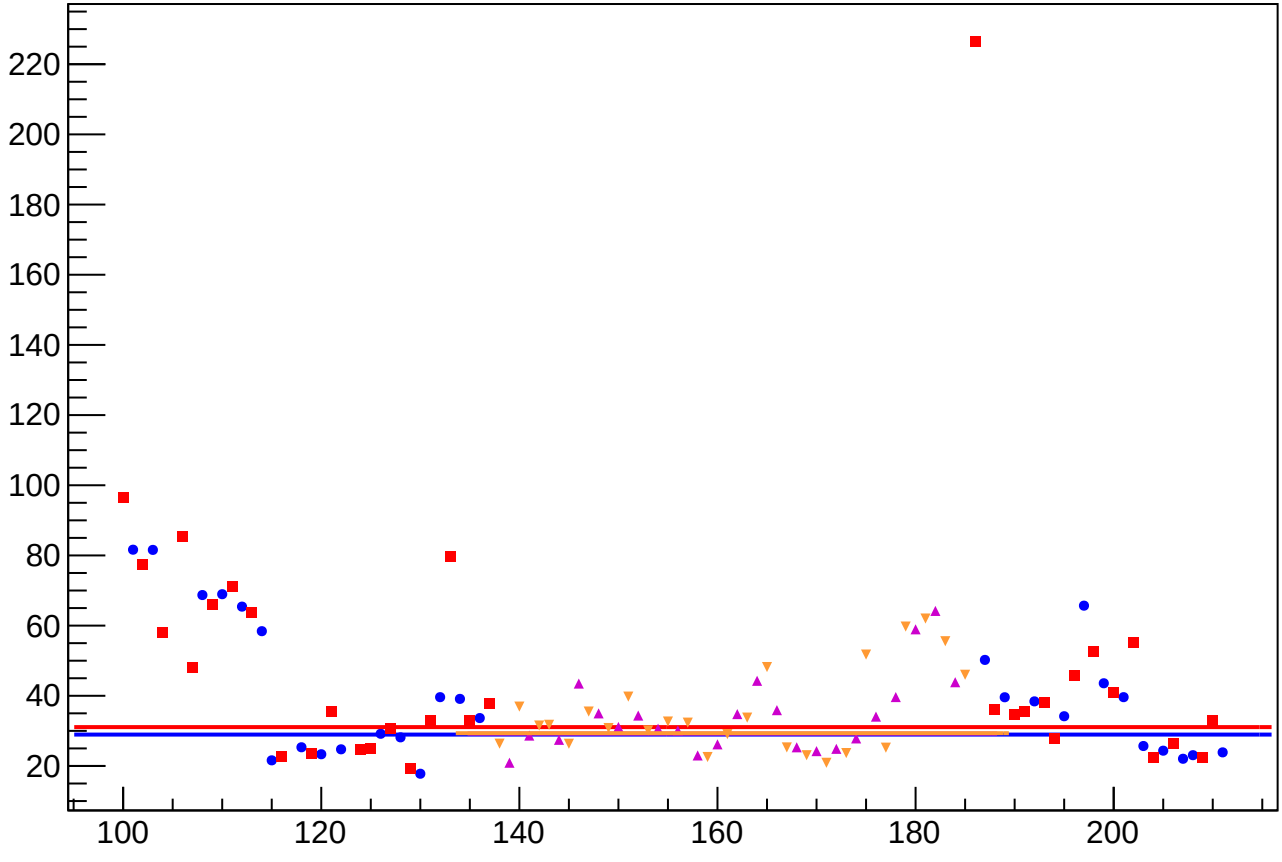
Right: -0.007+/-0.006 χ^2/NDF: 48.9/60

In: 0.000+/-0.005 χ^2/NDF:61.1/50

Out: -0.000+/-0.005 χ^2/NDF:55.2/57

All: 0.000+/-0.004 χ^2/NDF: 116.3/108

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.944+/-0.006 χ^2/NDF: 3924876.9/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 31.075+/-0.006 χ^2/NDF: 4619624.7/32

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

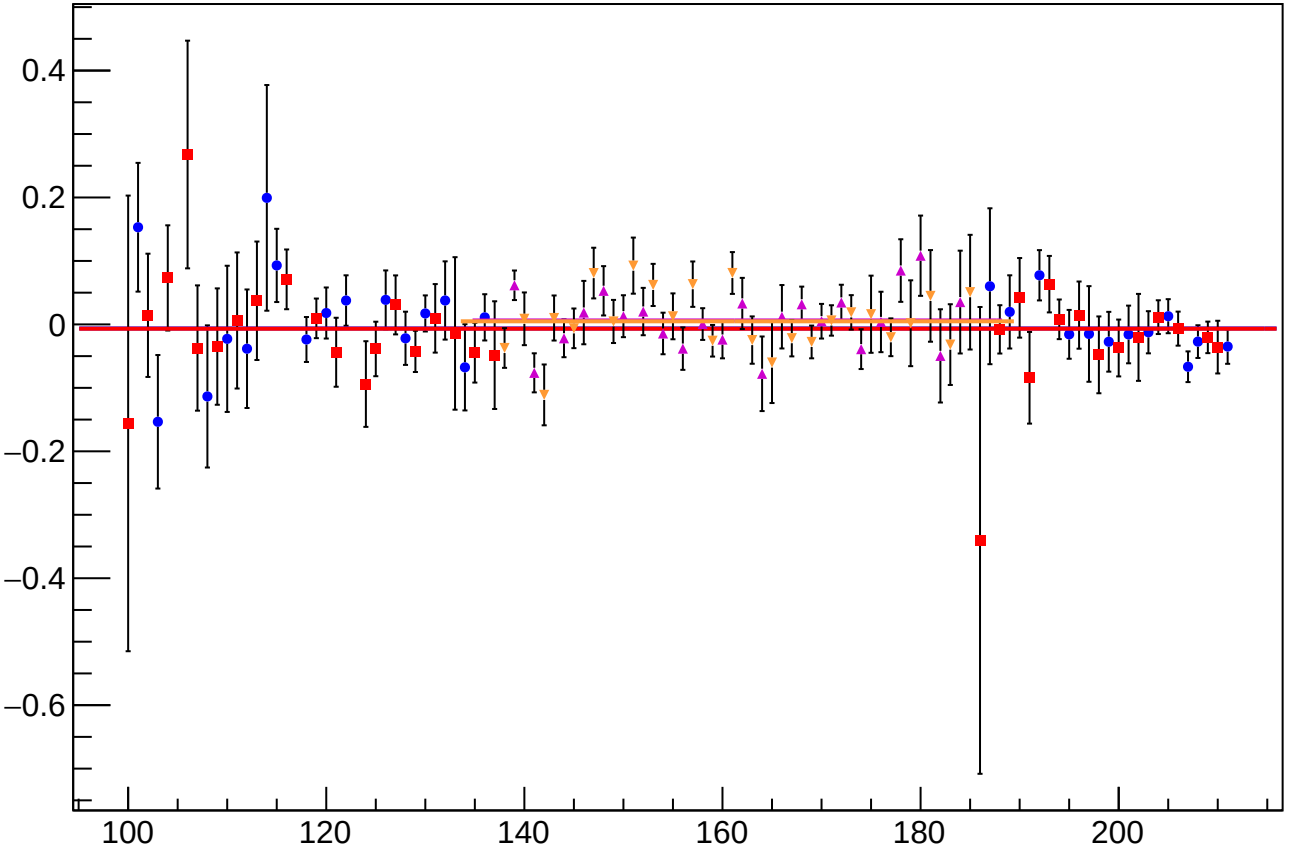
Right: 29.965+/-0.004 χ^2/NDF: 8614104.8/60

In: 29.097+/-0.004 χ^2/NDF:6023920.1/50

Out: 30.078+/-0.004 χ^2/NDF:7357749.9/57

All: 29.585+/-0.003 χ^2/NDF: 13415108.6/108

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

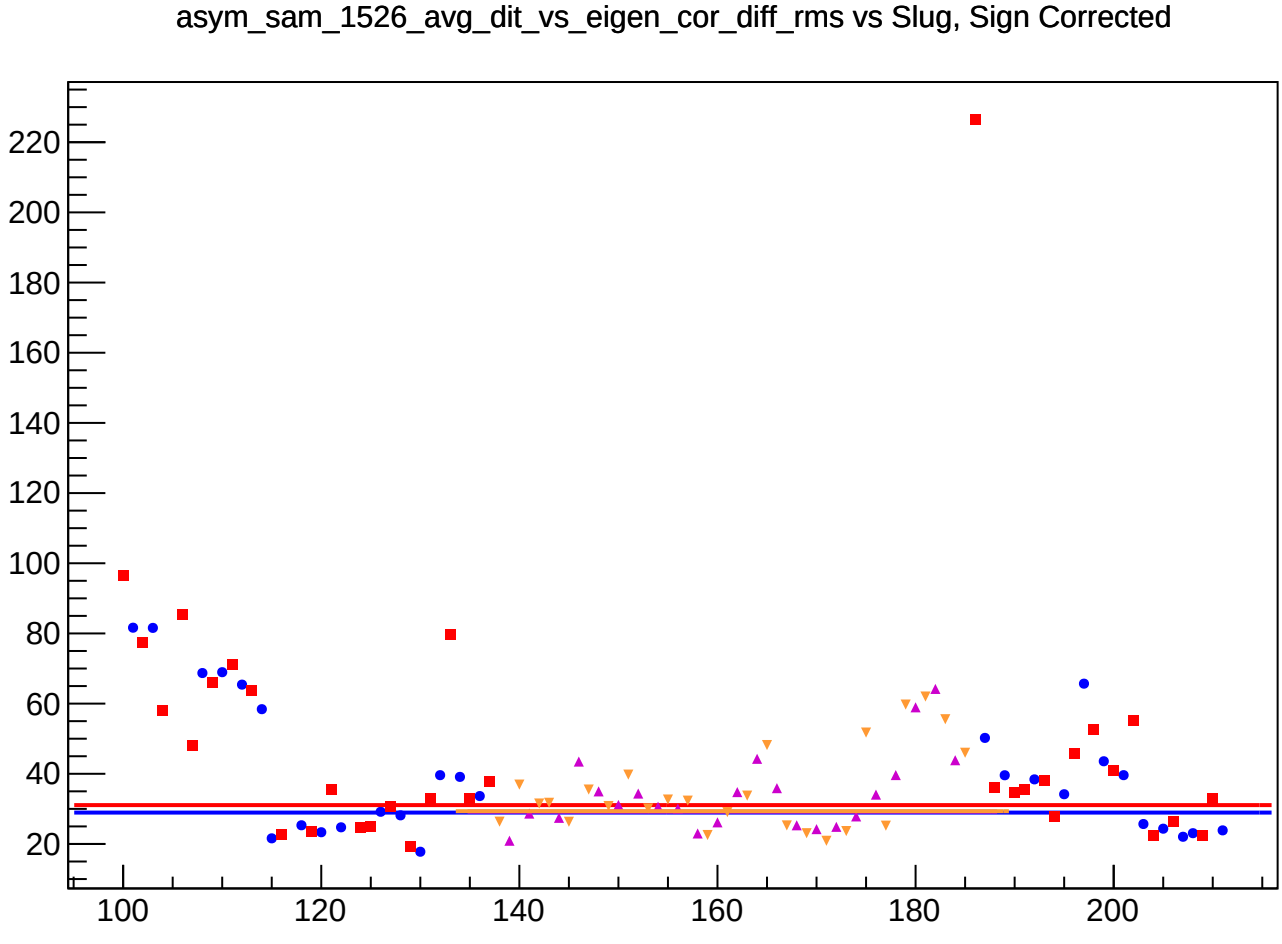
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: -0.007+/-0.006 χ^2/NDF: 48.9/60

In: 0.000+/-0.005 χ^2/NDF:61.1/50

Out: -0.000+/-0.005 χ^2/NDF:55.2/57

All: 0.000+/-0.004 χ^2/NDF: 116.3/108



Right In: 28.944+/-0.006 χ^2/NDF: 3924876.9/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 31.075+/-0.006 χ^2/NDF: 4619624.7/32

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

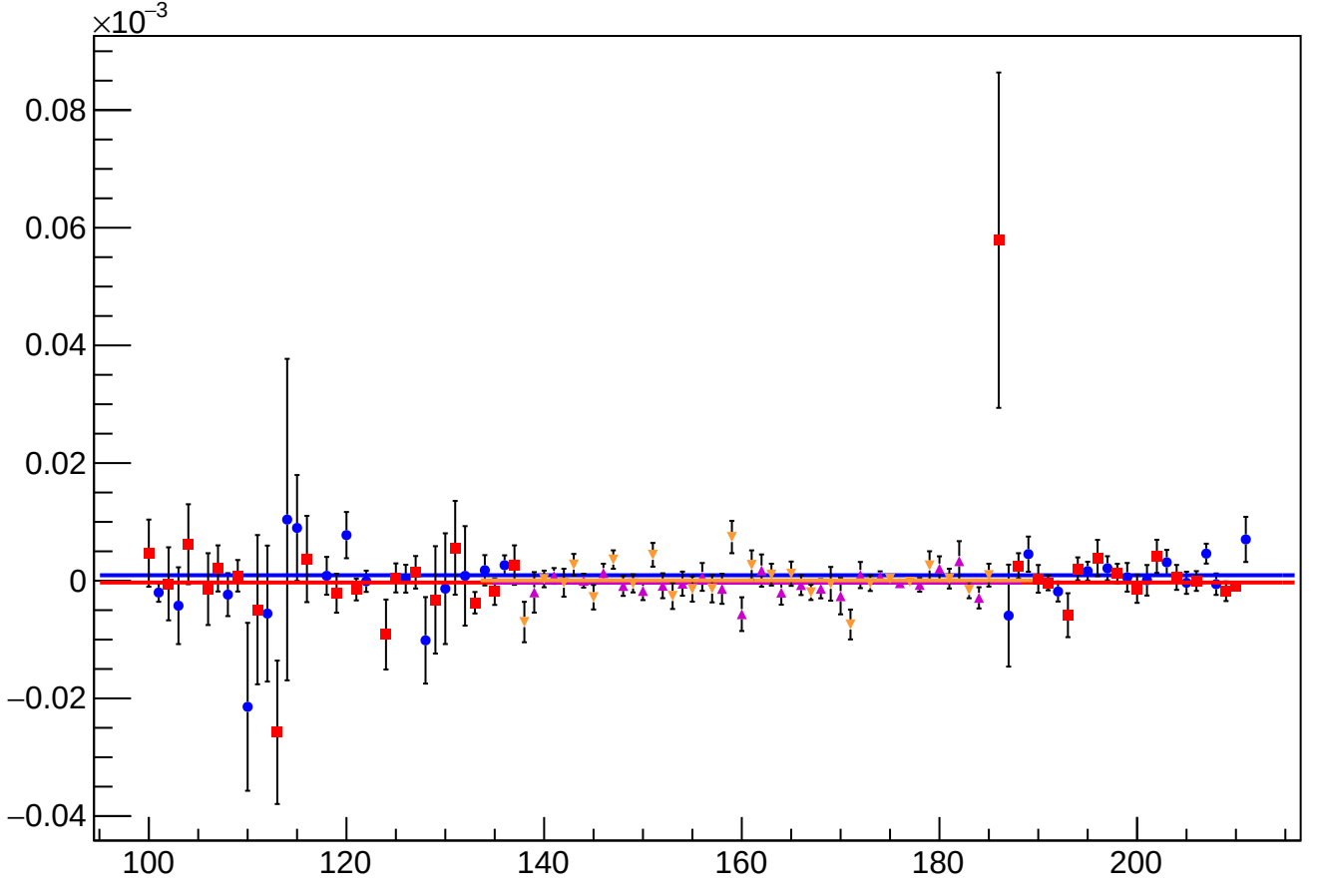
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 29.965+/-0.004 χ^2/NDF: 8614104.8/60

In: 29.097+/-0.004 χ^2/NDF:6023920.1/50

Out: 30.078+/-0.004 χ^2/NDF:7357749.9/57

All: 29.585+/-0.003 χ^2/NDF: 13415108.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/32

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

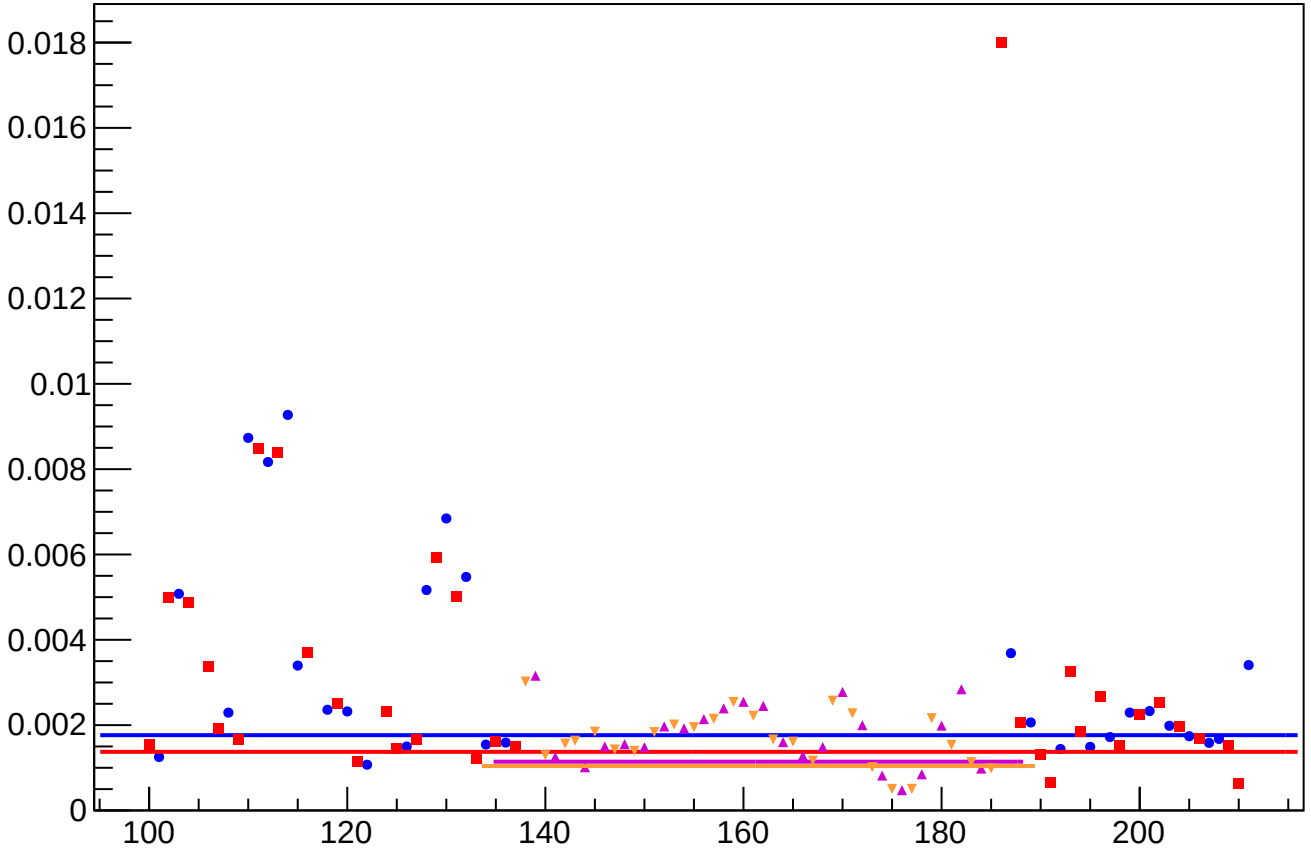
Right: 0.000+/-0.000 χ^2/NDF: 67.0/60

In: 0.000+/-0.000 χ^2/NDF:50.6/50

Out: -0.000+/-0.000 χ^2/NDF:76.9/57

All: -0.000+/-0.000 χ^2/NDF: 127.6/108

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4794464.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9784072.4/32

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

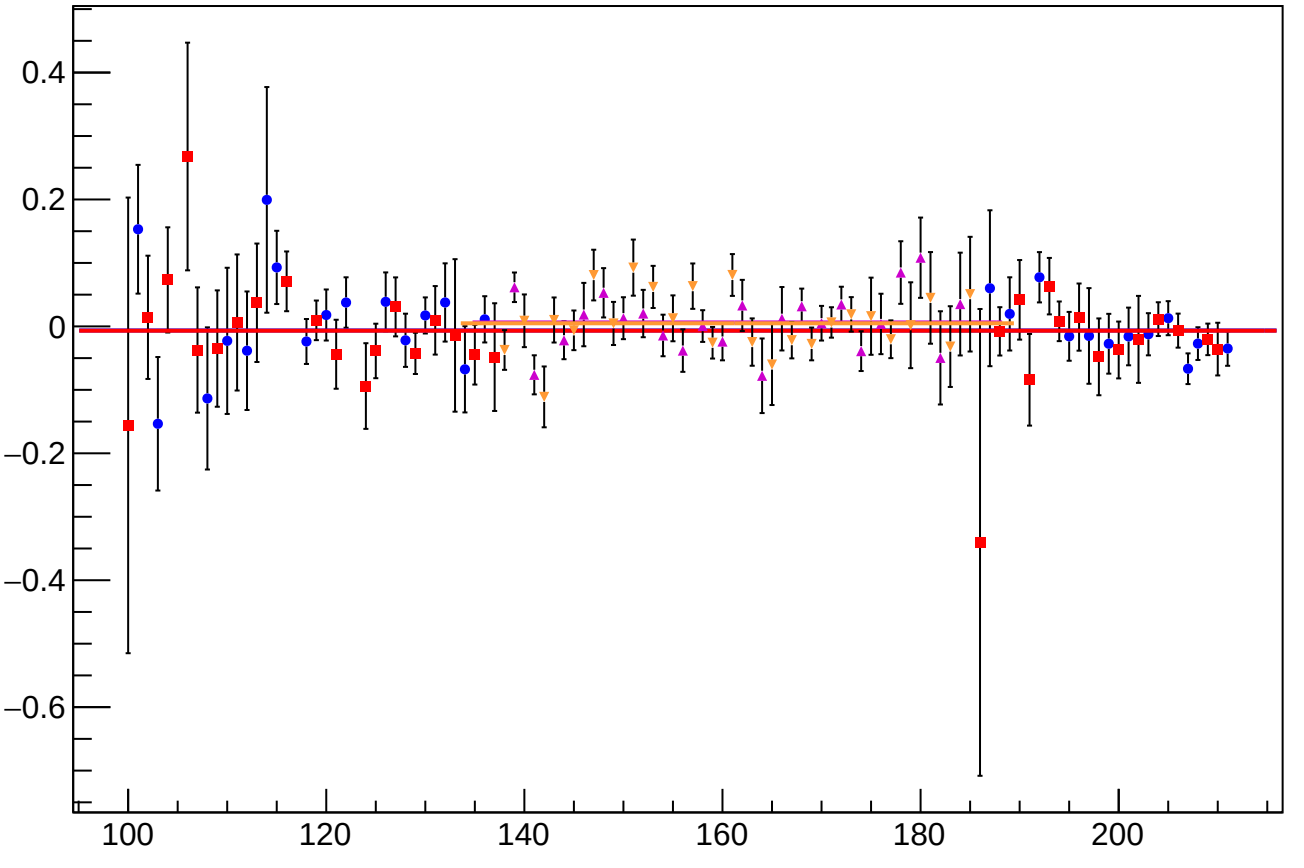
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 15383436.7/60

In: 0.001+/-0.000 χ^2/NDF:15457830.0/50

Out: 0.001+/-0.000 χ^2/NDF:20583720.7/57

All: 0.001+/-0.000 χ^2/NDF: 36541671.5/108



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

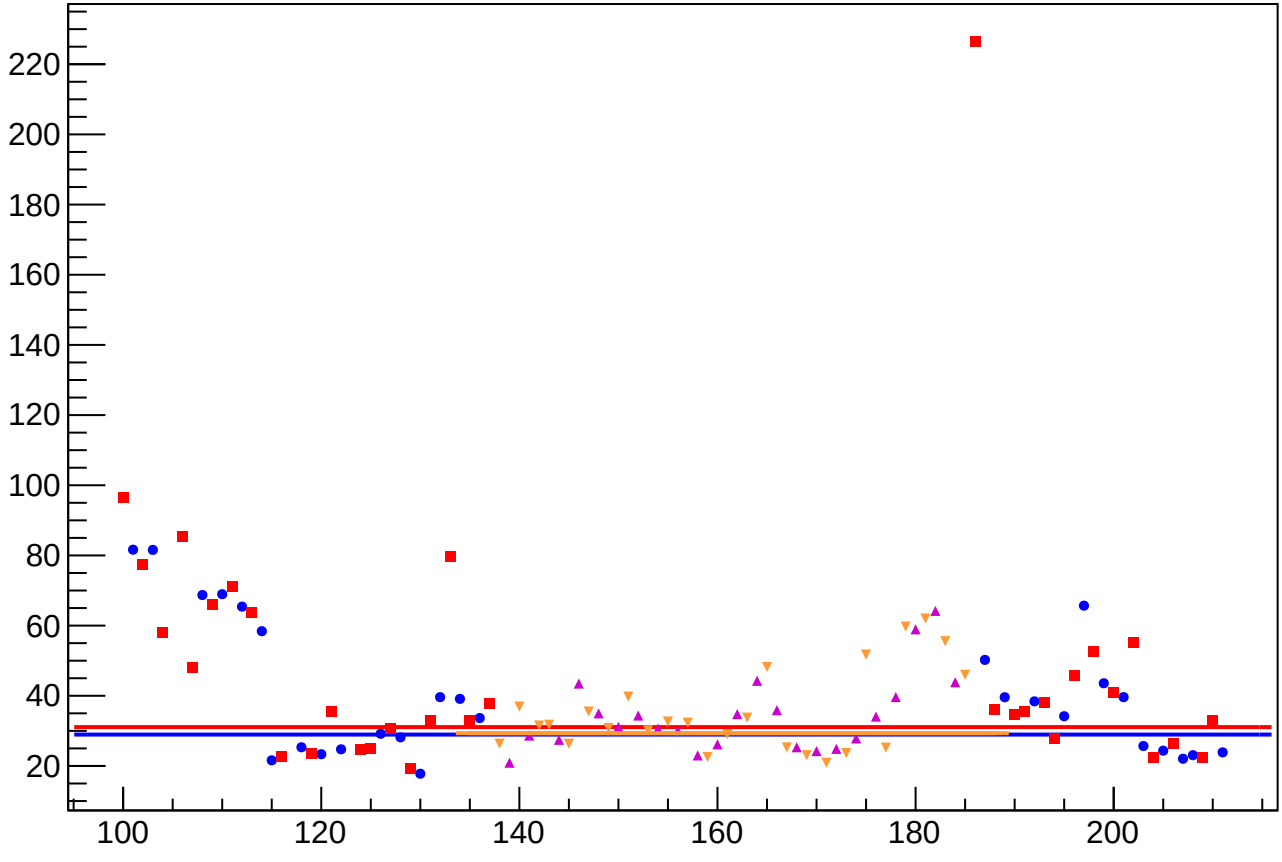
Right: -0.007+/-0.006 χ^2/NDF: 48.9/60

In: 0.000+/-0.005 χ^2/NDF:61.1/50

Out: -0.000+/-0.005 χ^2/NDF:55.2/57

All: 0.000+/-0.004 χ^2/NDF: 116.3/108

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.943+/-0.006 χ^2/NDF: 3925096.6/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 31.074+/-0.006 χ^2/NDF: 4619746.2/32

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

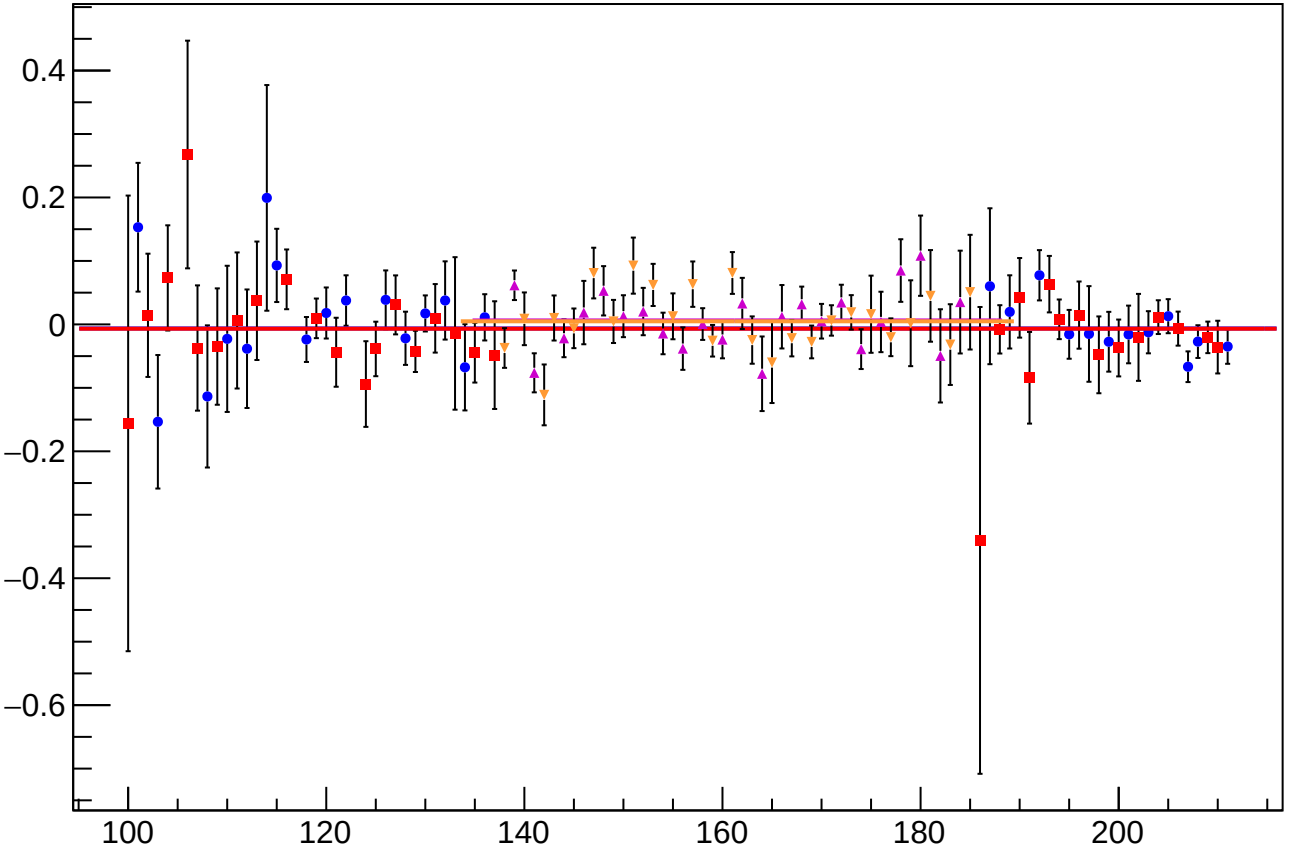
Right: 29.965+/-0.004 χ^2/NDF: 8614463.9/60

In: 29.097+/-0.004 χ^2/NDF:6024113.1/50

Out: 30.078+/-0.004 χ^2/NDF:7357882.3/57

All: 29.585+/-0.003 χ^2/NDF: 13415435.9/108

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 28.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.008 χ^2/NDF: 20.1/32

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

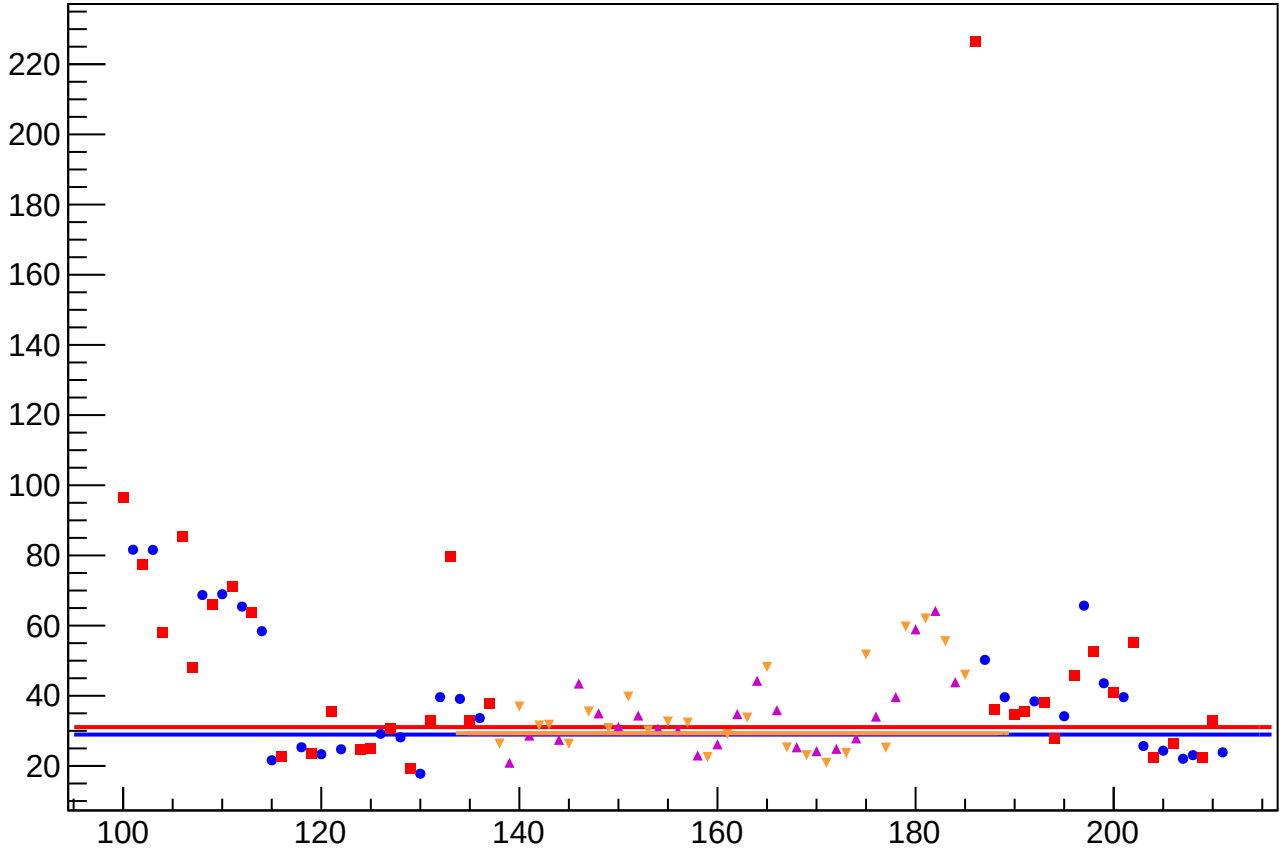
Right: -0.007+/-0.006 χ^2/NDF: 48.9/60

In: 0.000+/-0.005 χ^2/NDF:61.1/50

Out: -0.000+/-0.005 χ^2/NDF:55.2/57

All: 0.000+/-0.004 χ^2/NDF: 116.3/108

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.943+/-0.006 χ^2/NDF: 3925096.6/27

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 31.074+/-0.006 χ^2/NDF: 4619746.2/32

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

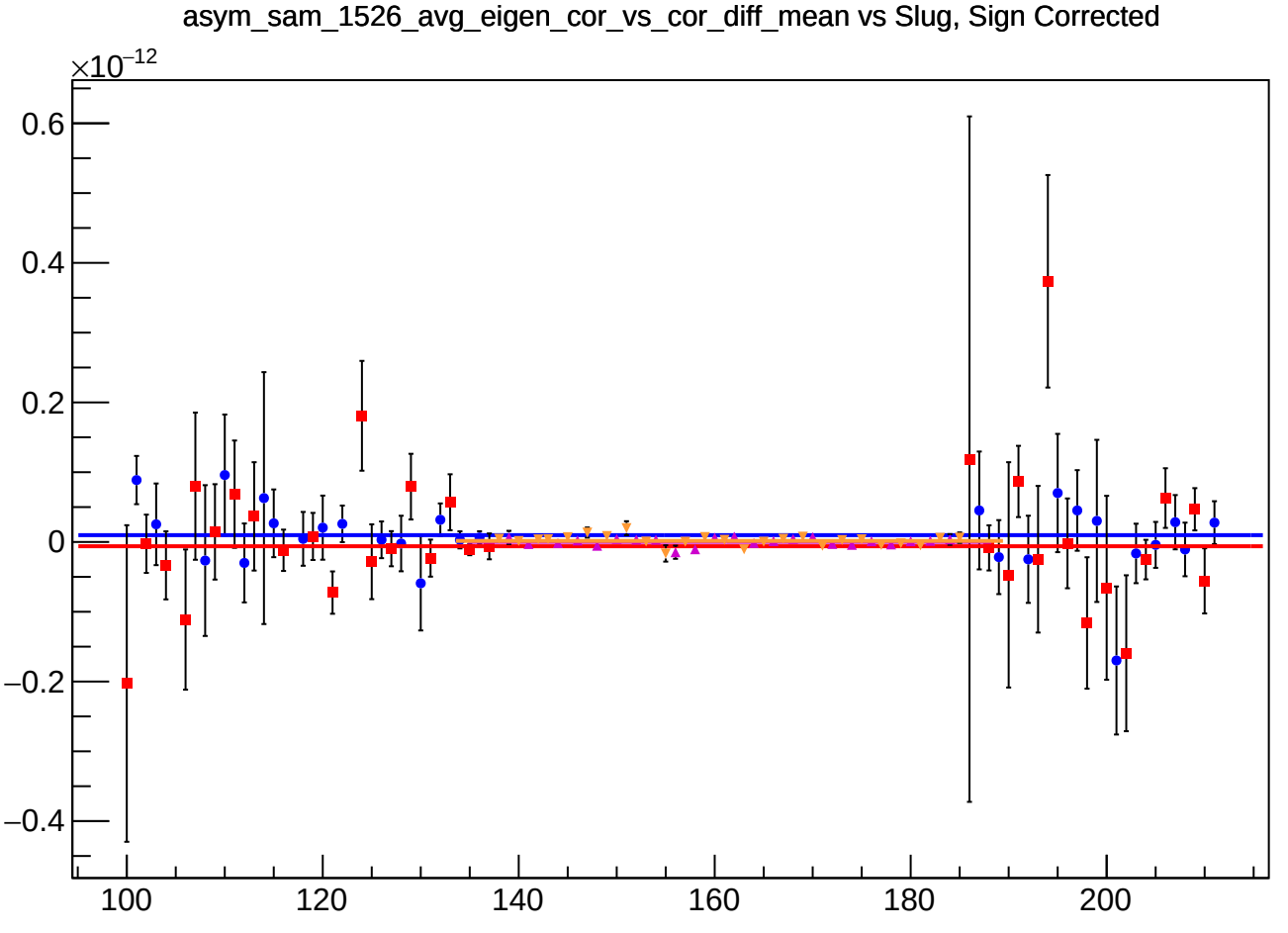
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 29.965+/-0.004 χ^2/NDF: 8614463.9/60

In: 29.097+/-0.004 χ^2/NDF:6024113.1/50

Out: 30.078+/-0.004 χ^2/NDF:7357882.3/57

All: 29.585+/-0.003 χ^2/NDF: 13415435.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/32

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

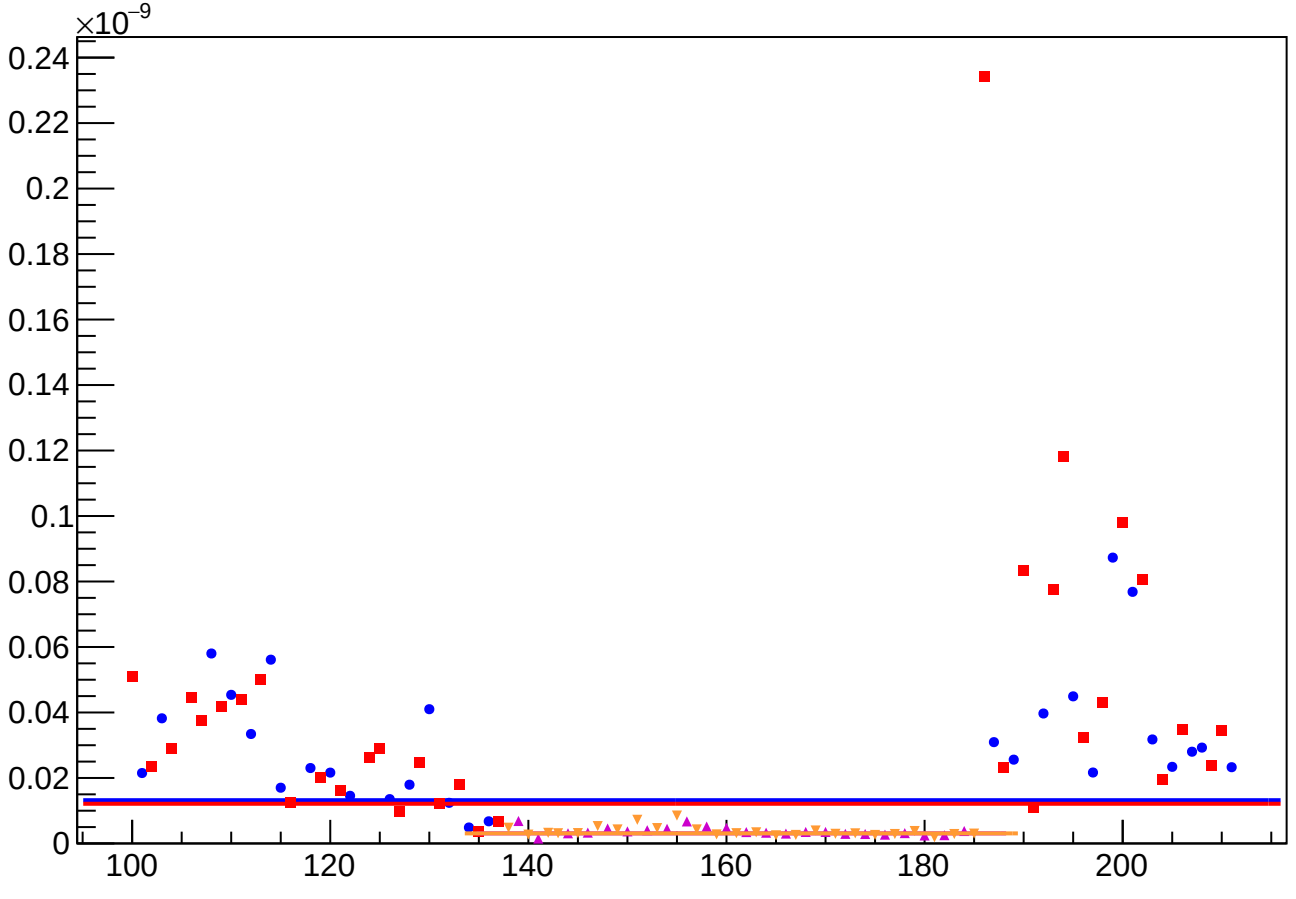
Right: 0.000+/-0.000 χ^2/NDF: 62.3/60

In: 0.000+/-0.000 χ^2/NDF:37.6/50

Out: 0.000+/-0.000 χ^2/NDF:78.9/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/108

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7841475.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11311572.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

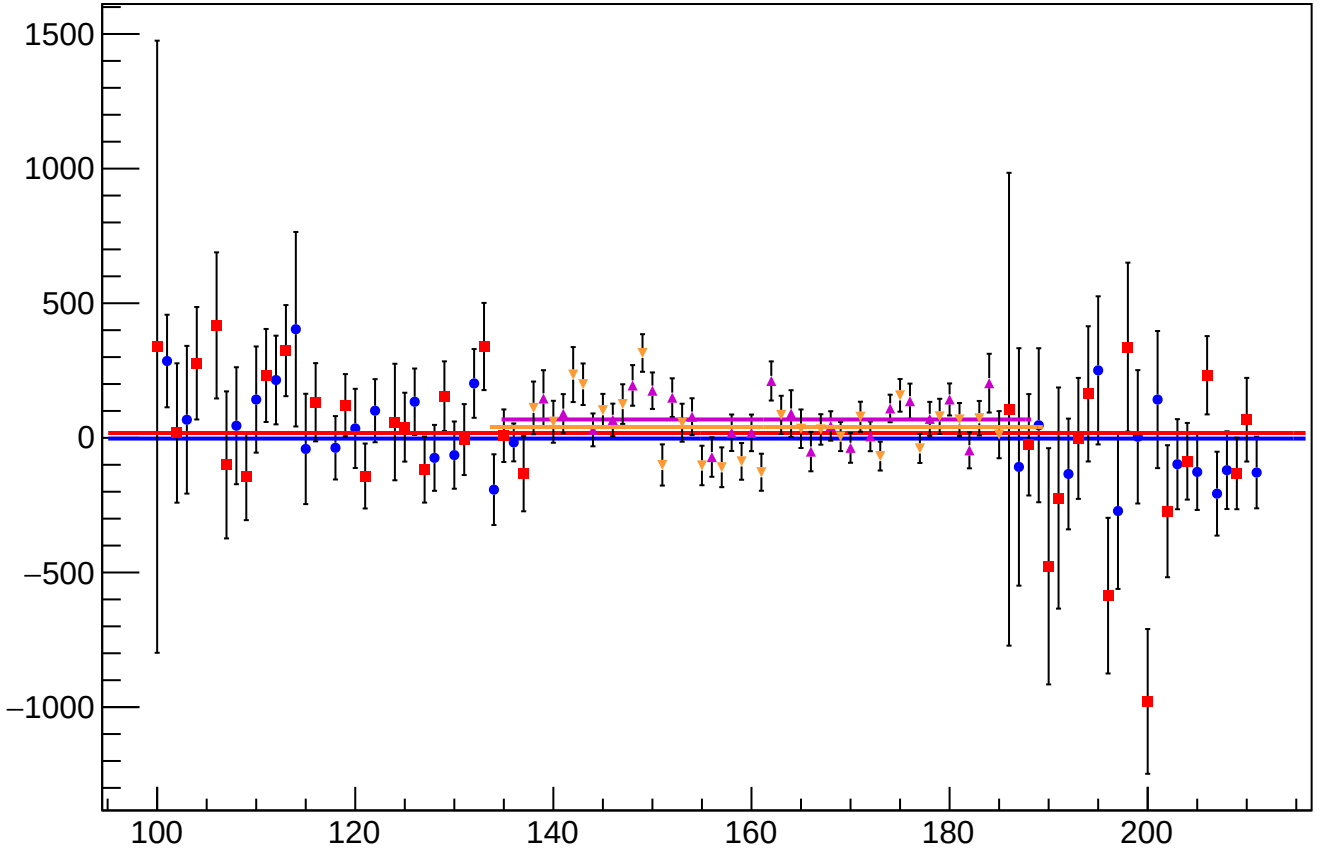
Right: 0.000+/-0.000 χ^2/NDF: 19193092.1/60

In: 0.000+/-0.000 χ^2/NDF:16580400.6/50

Out: 0.000+/-0.000 χ^2/NDF:18719319.1/57

All: 0.000+/-0.000 χ^2/NDF: 35301949.6/108

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -2.614+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 18.107+/-29.527 χ^2/NDF: 47.2/32

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

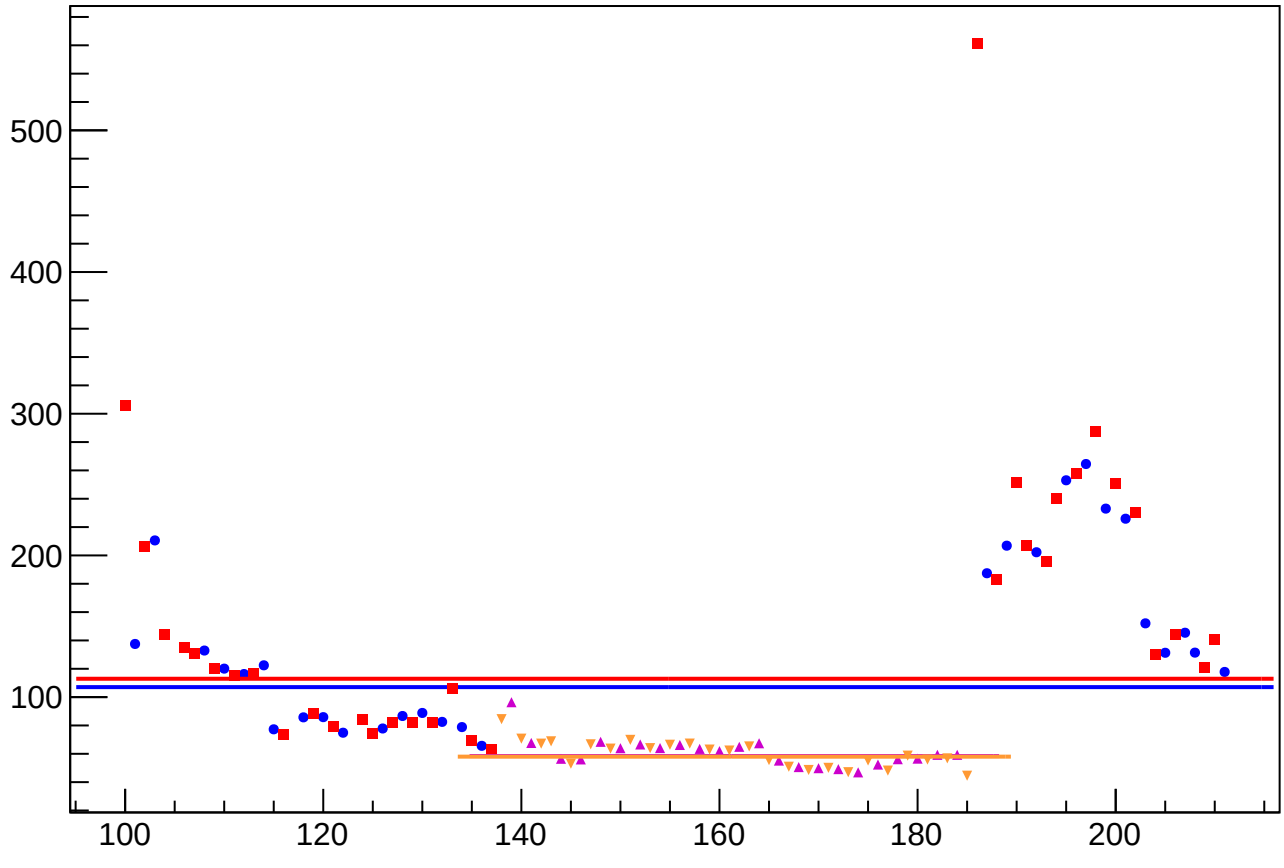
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 7.509+/-20.638 χ^2/NDF: 68.3/60

In: 55.034+/-12.498 χ^2/NDF:57.5/50

Out: 36.544+/-12.204 χ^2/NDF:107.0/57

All: 45.569+/-8.732 χ^2/NDF: 165.7/108



Right In: 107.058+/-0.020 χ^2/NDF: 5005933.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 112.965+/-0.021 χ^2/NDF: 6187148.2/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

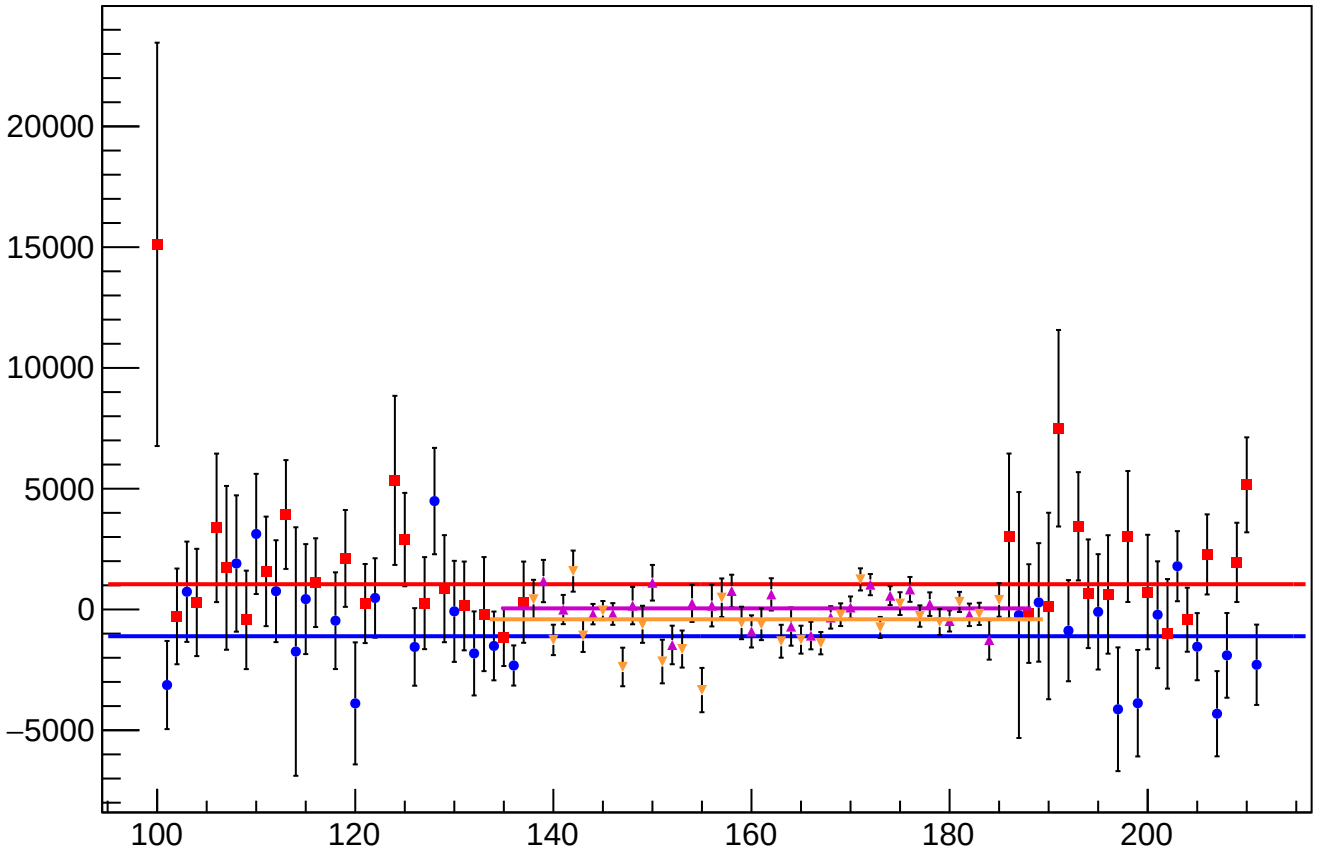
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 109.944+/-0.015 χ^2/NDF: 11234014.4/60

In: 67.524+/-0.009 χ^2/NDF:10361282.2/50

Out: 67.385+/-0.009 χ^2/NDF:12742280.1/57

All: 67.453+/-0.006 χ^2/NDF: 23103688.5/108



Right In: -1108.102+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 1045.588+/-361.454 χ^2/NDF: 25.7/32

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

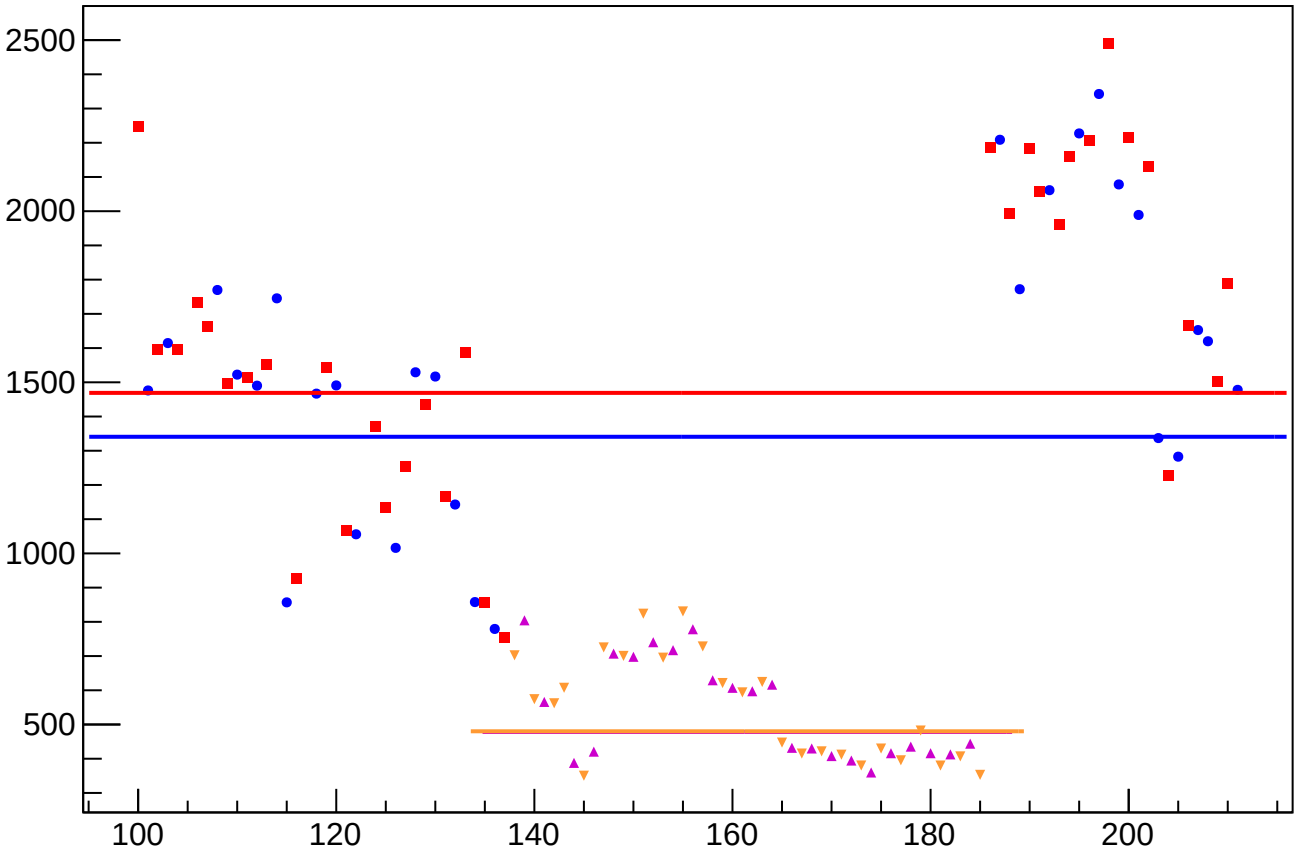
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -75.875+/-250.236 χ^2/NDF: 74.7/60

In: -70.773+/-109.808 χ^2/NDF:71.5/50

Out: -276.078+/-108.259 χ^2/NDF:103.6/57

All: -174.884+/-77.092 χ^2/NDF: 176.9/108



Right In: 1340.814+/-0.245 χ^2/NDF: 3034166.0/27

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1469.083+/-0.256 χ^2/NDF: 2979761.6/32

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

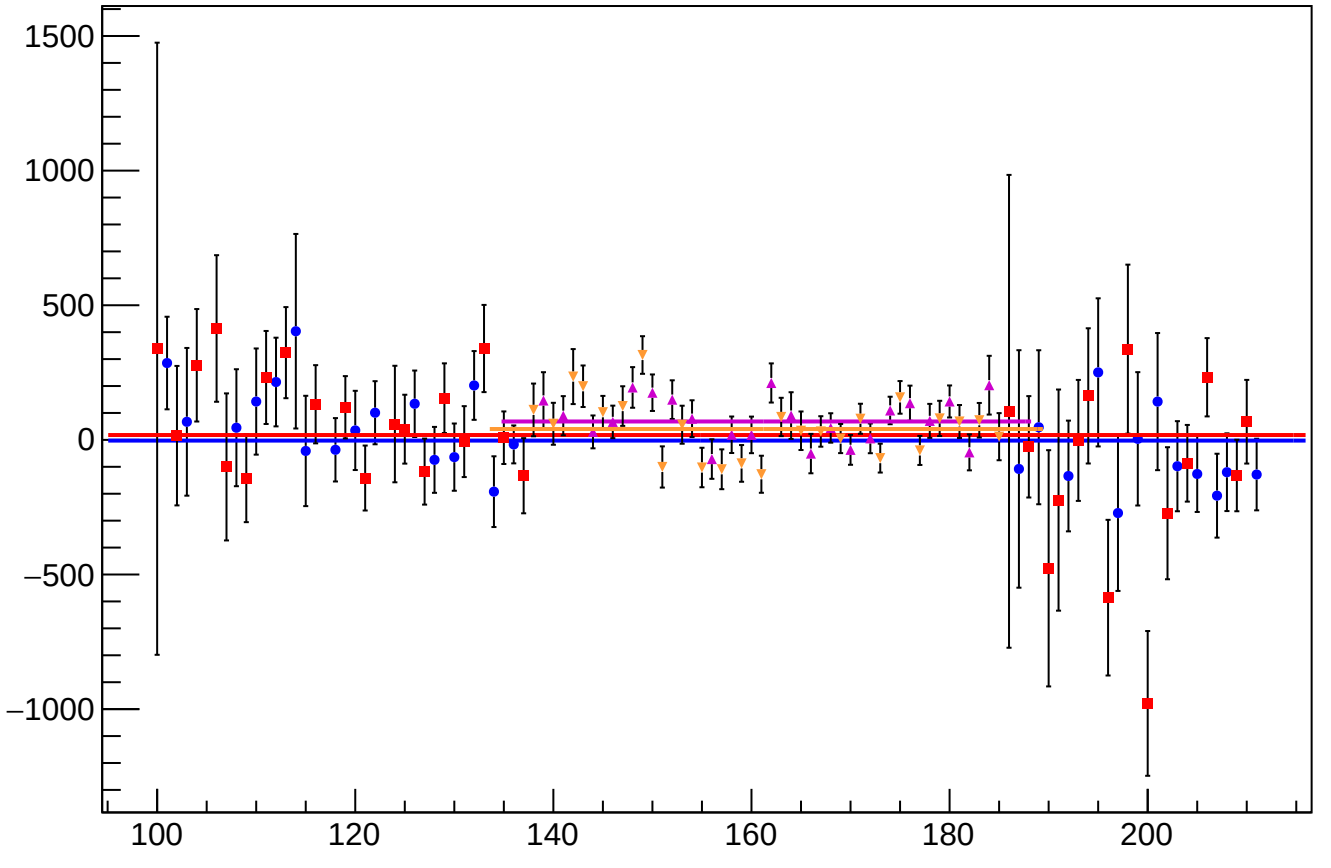
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1402.291+/-0.177 χ^2/NDF: 6145077.8/60

In: 564.589+/-0.078 χ^2/NDF:16387377.9/50

Out: 568.873+/-0.077 χ^2/NDF:19189857.4/57

All: 566.762+/-0.055 χ^2/NDF: 35578779.1/10



Right In: -2.624+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 17.999+/-29.528 χ^2/NDF: 47.1/32

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

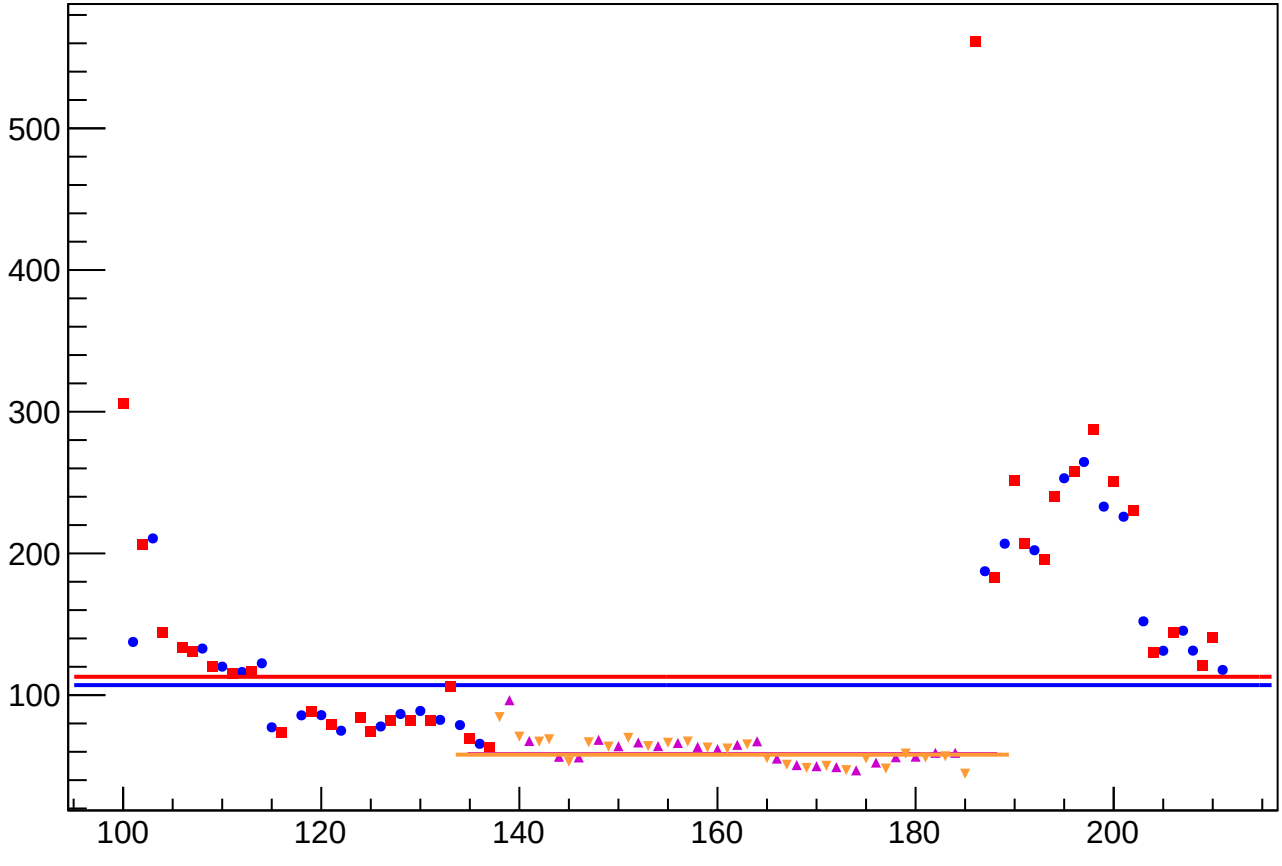
Right: 7.451+/-20.639 χ^2/NDF: 68.2/60

In: 55.032+/-12.498 χ^2/NDF:57.5/50

Out: 36.527+/-12.204 χ^2/NDF:107.0/57

All: 45.559+/-8.732 χ^2/NDF: 165.6/108

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 107.058+/-0.020 χ^2/NDF: 5005936.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 112.940+/-0.021 χ^2/NDF: 6185135.5/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

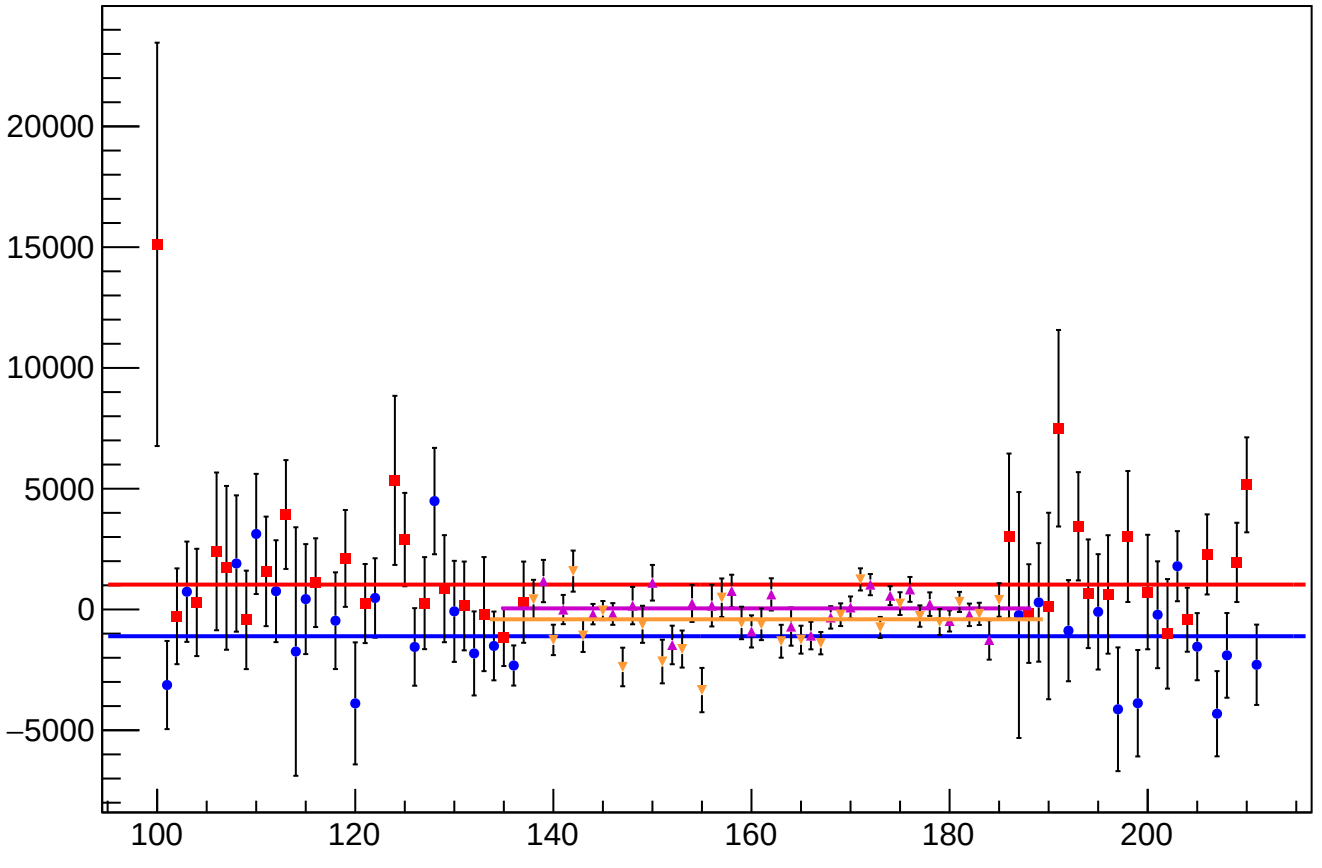
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 109.932+/-0.015 χ^2/NDF: 11231662.6/60

In: 67.524+/-0.009 χ^2/NDF:10361284.5/50

Out: 67.381+/-0.009 χ^2/NDF:12734703.7/57

All: 67.451+/-0.006 χ^2/NDF: 23096123.6/108



Right In: -1108.085+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 1030.226+/-361.748 χ^2/NDF: 25.3/32

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

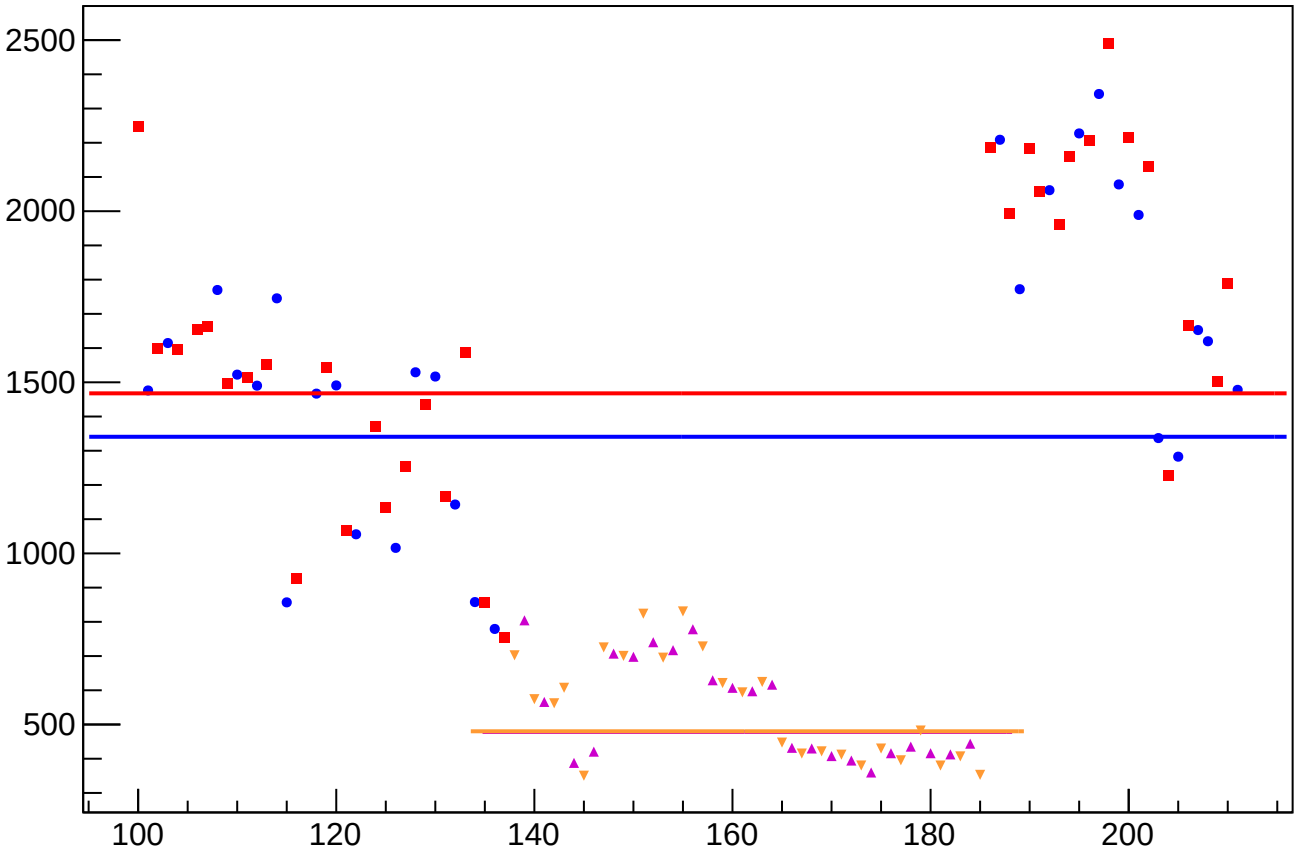
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -84.094+/-250.333 χ^2/NDF: 74.0/60

In: -70.772+/-109.808 χ^2/NDF:71.5/50

Out: -277.644+/-108.267 χ^2/NDF:102.9/57

All: -175.670+/-77.095 χ^2/NDF: 176.1/108



Right In: 1340.815+/-0.245 χ^2/NDF: 3034194.3/27

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1467.741+/-0.256 χ^2/NDF: 2971591.8/32

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

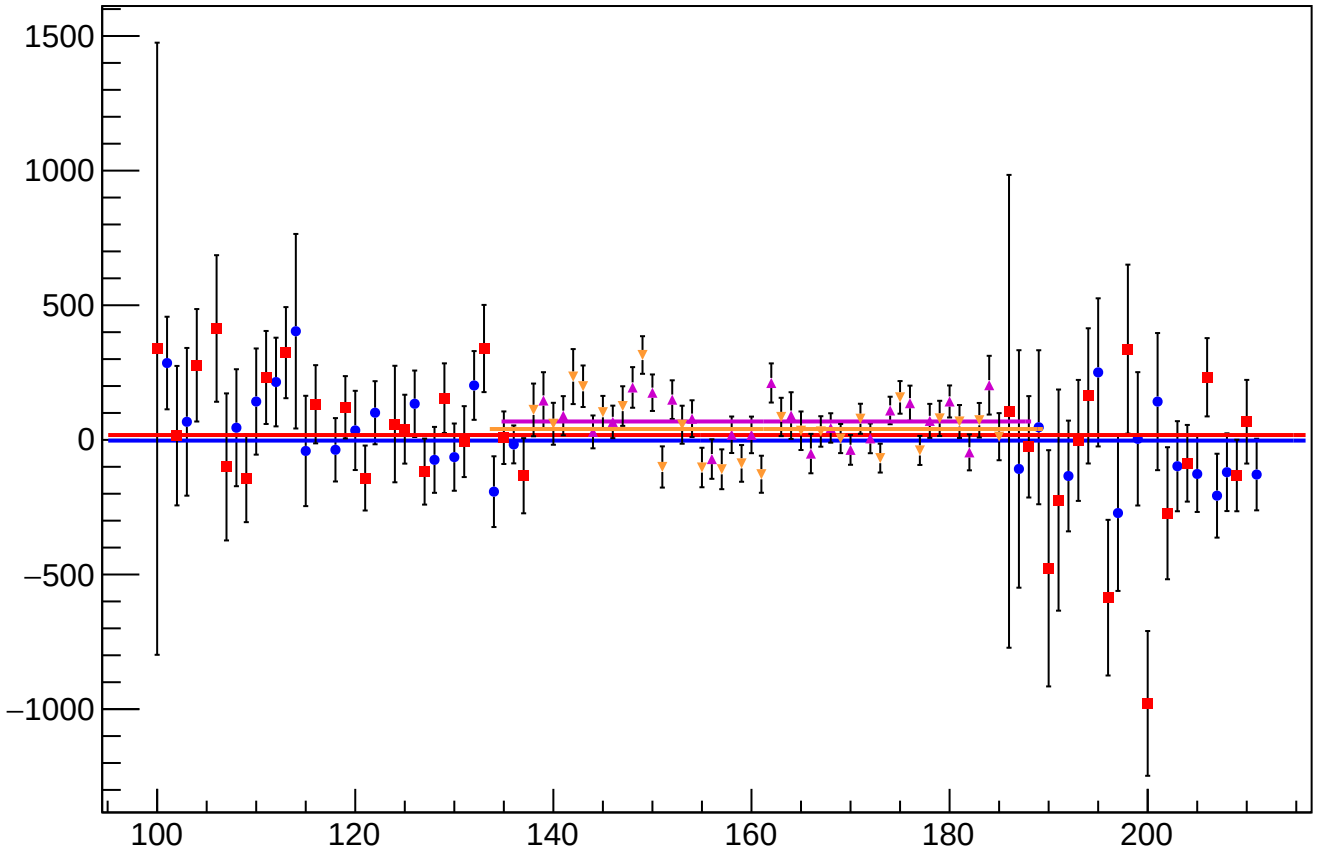
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1401.597+/-0.177 χ^2/NDF: 6134094.5/60

In: 564.589+/-0.078 χ^2/NDF:16387404.9/50

Out: 568.622+/-0.077 χ^2/NDF:19124644.1/57

All: 566.634+/-0.055 χ^2/NDF: 35513416.9/10



Right In: -2.624+/-28.858 χ^2/NDF: 20.9/27

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 17.999+/-29.528 χ^2/NDF: 47.1/32

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

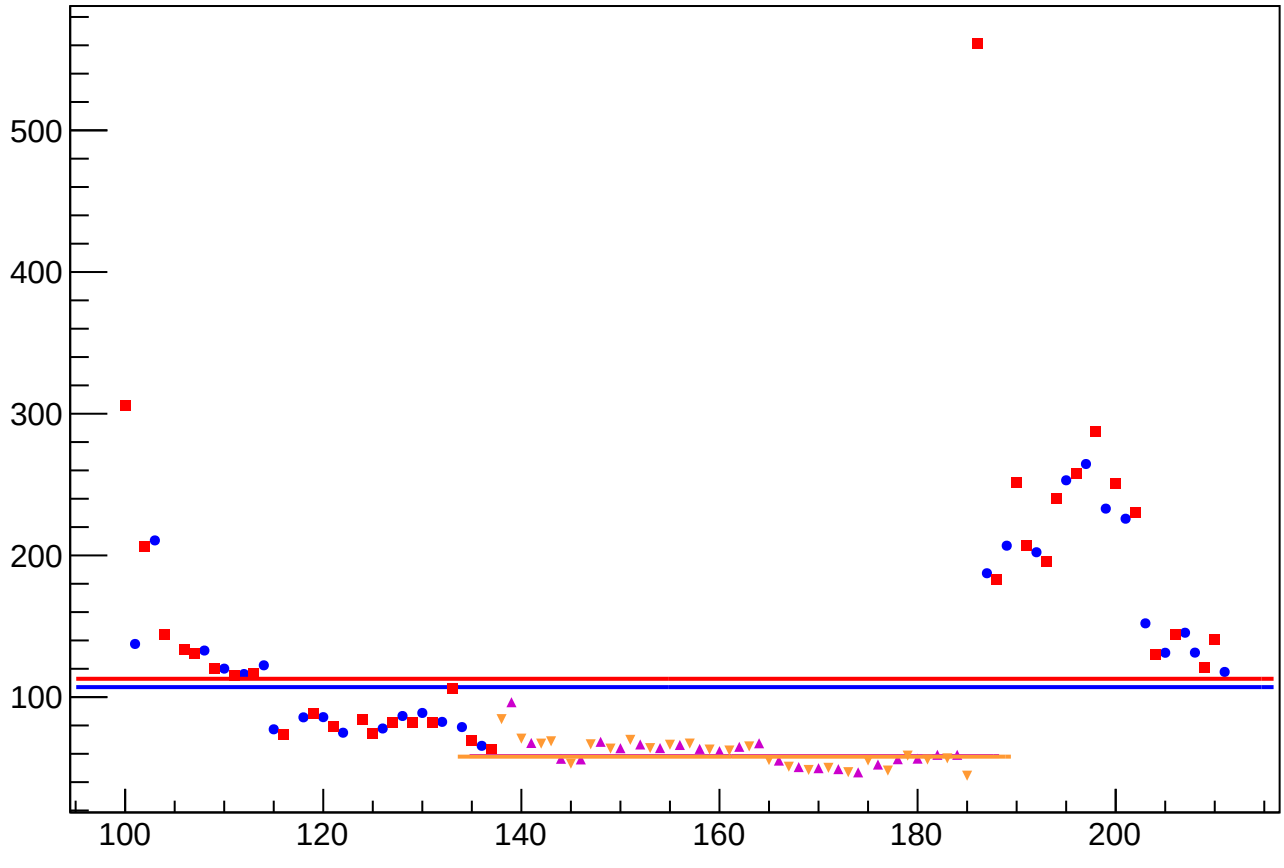
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 7.451+/-20.639 χ^2/NDF: 68.2/60

In: 55.032+/-12.498 χ^2/NDF:57.5/50

Out: 36.527+/-12.204 χ^2/NDF:107.0/57

All: 45.559+/-8.732 χ^2/NDF: 165.6/108



Right In: 107.058+/-0.020 χ^2/NDF: 5005936.5/27

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 112.940+/-0.021 χ^2/NDF: 6185135.5/32

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

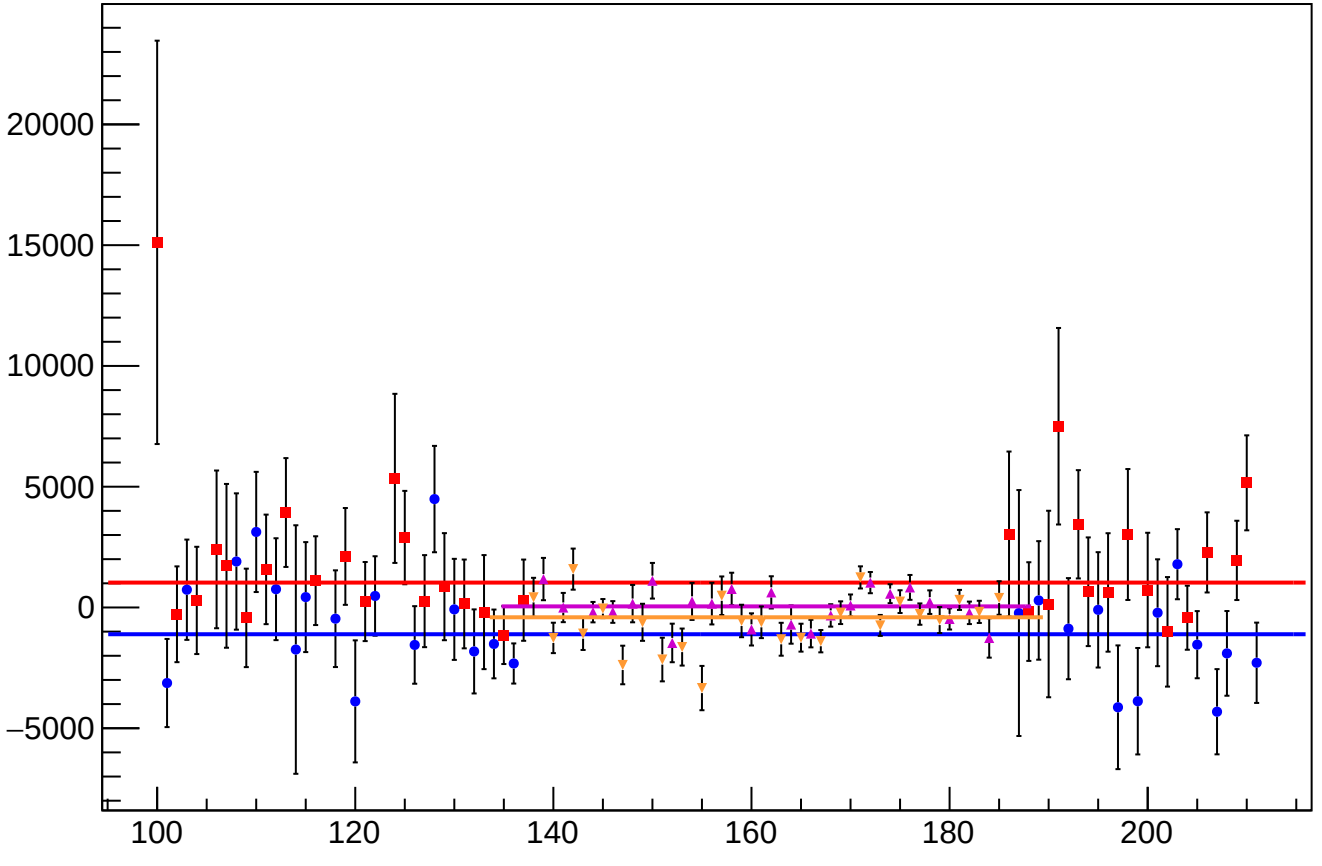
Right: 109.932+/-0.015 χ^2/NDF: 11231662.6/60

In: 67.524+/-0.009 χ^2/NDF:10361284.5/50

Out: 67.381+/-0.009 χ^2/NDF:12734703.7/57

All: 67.451+/-0.006 χ^2/NDF: 23096123.6/108

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1108.085+/-346.776 χ^2/NDF: 30.5/27

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 1030.226+/-361.748 χ^2/NDF: 25.3/32

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

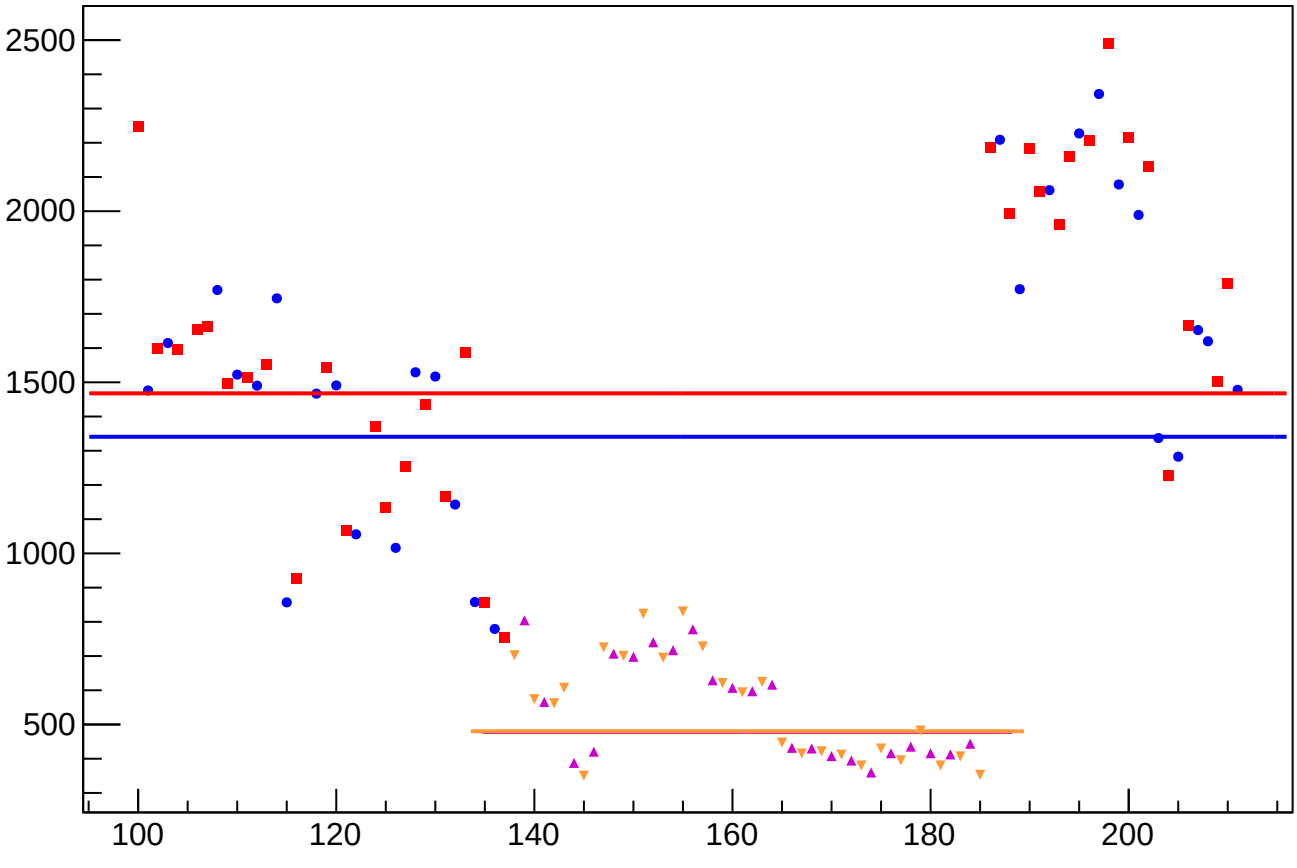
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

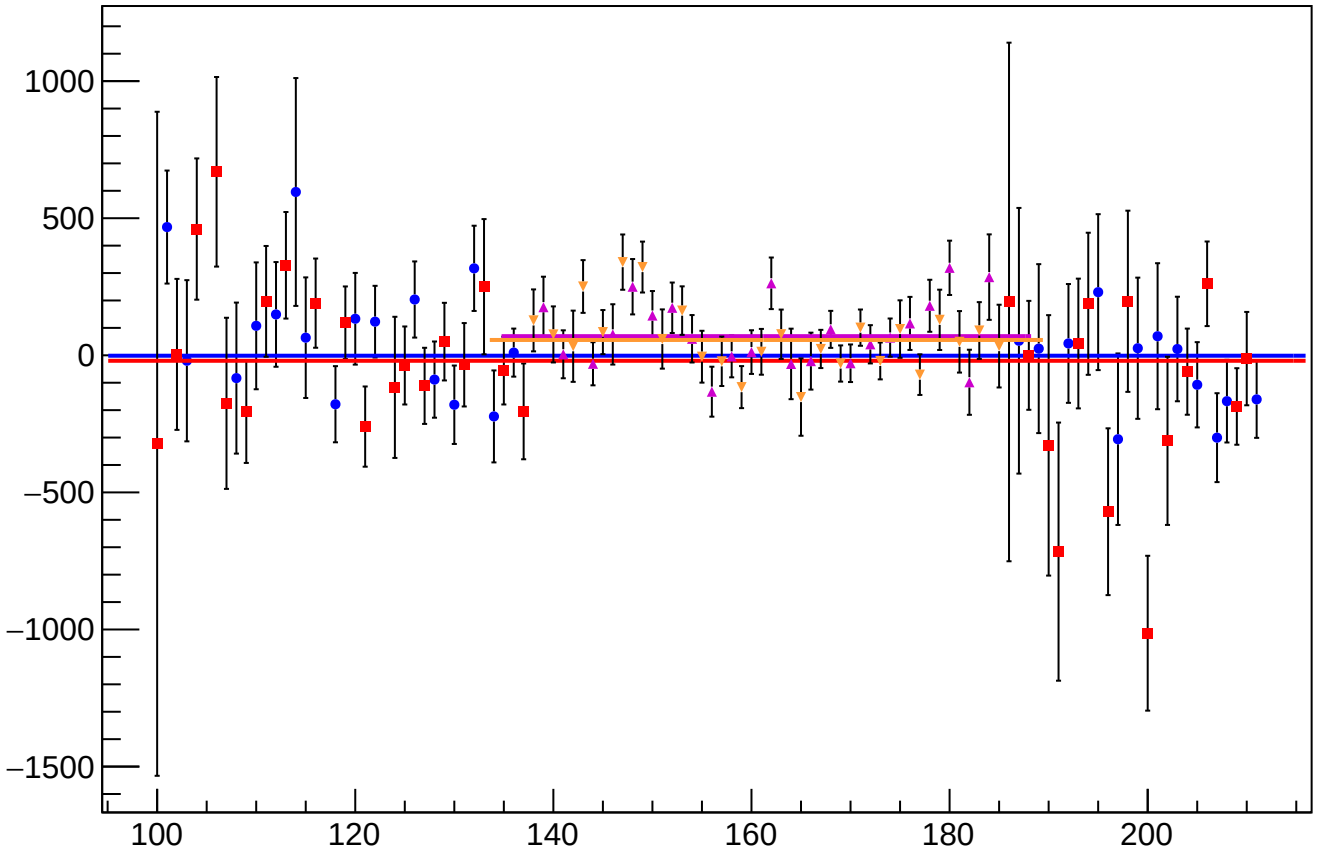
Right: -84.094+/-250.333 χ^2/NDF: 74.0/60

In: -70.772+/-109.808 χ^2/NDF:71.5/50

Out: -277.644+/-108.267 χ^2/NDF:102.9/57

All: -175.670+/-77.095 χ^2/NDF: 176.1/108


asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1340.815+/-0.245 χ²/NDF: 3034194.3/27
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1467.741+/-0.256 χ²/NDF: 2971591.8/32
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1401.597+/-0.177 χ²/NDF: 6134094.5/60
In: 564.589+/-0.078 χ²/NDF:16387404.9/50
Out: 568.622+/-0.077 χ²/NDF:19124644.1/57
All: 566.634+/-0.055 χ²/NDF: 35513416.9/10



Right In: -1.490+/-33.037 χ^2/NDF: 29.7/27

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -19.946+/-33.848 χ^2/NDF: 47.0/32

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

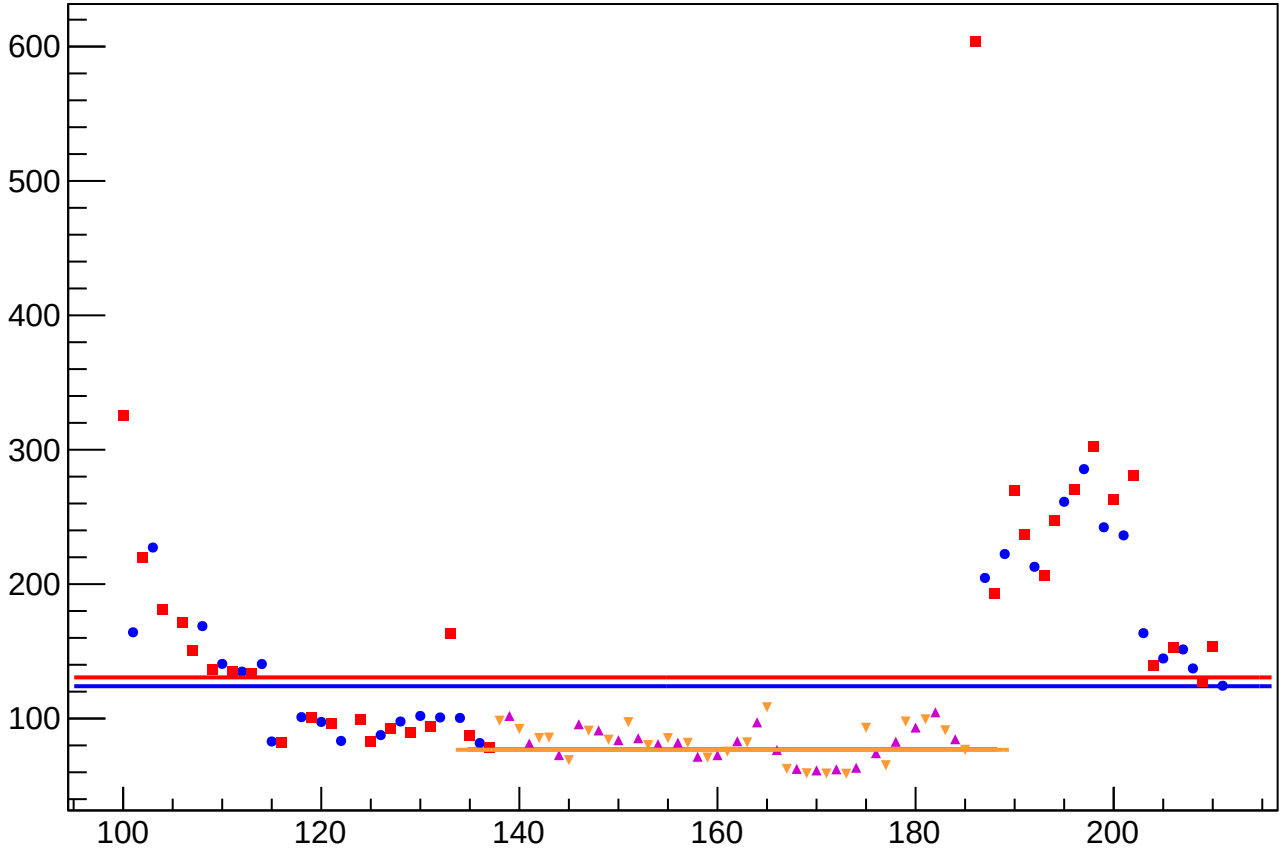
Right: -10.494+/-23.642 χ^2/NDF: 76.8/60

In: 52.820+/-16.139 χ^2/NDF:67.8/50

Out: 39.291+/-15.858 χ^2/NDF:89.3/57

All: 45.936+/-11.311 χ^2/NDF: 157.4/108

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 124.036+/-0.023 χ^2/NDF: 4136301.9/27

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 130.598+/-0.024 χ^2/NDF: 5465265.1/32

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

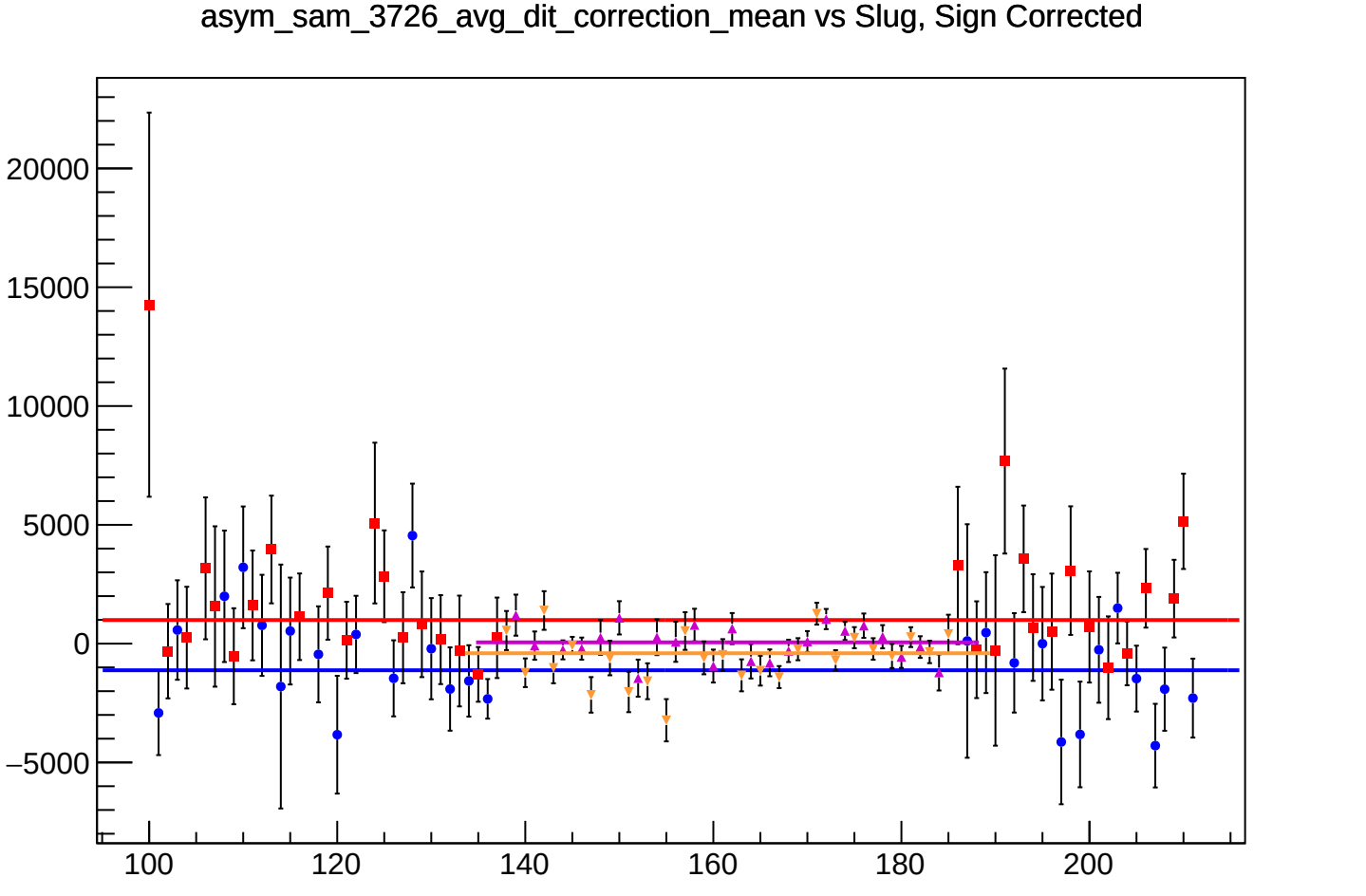
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

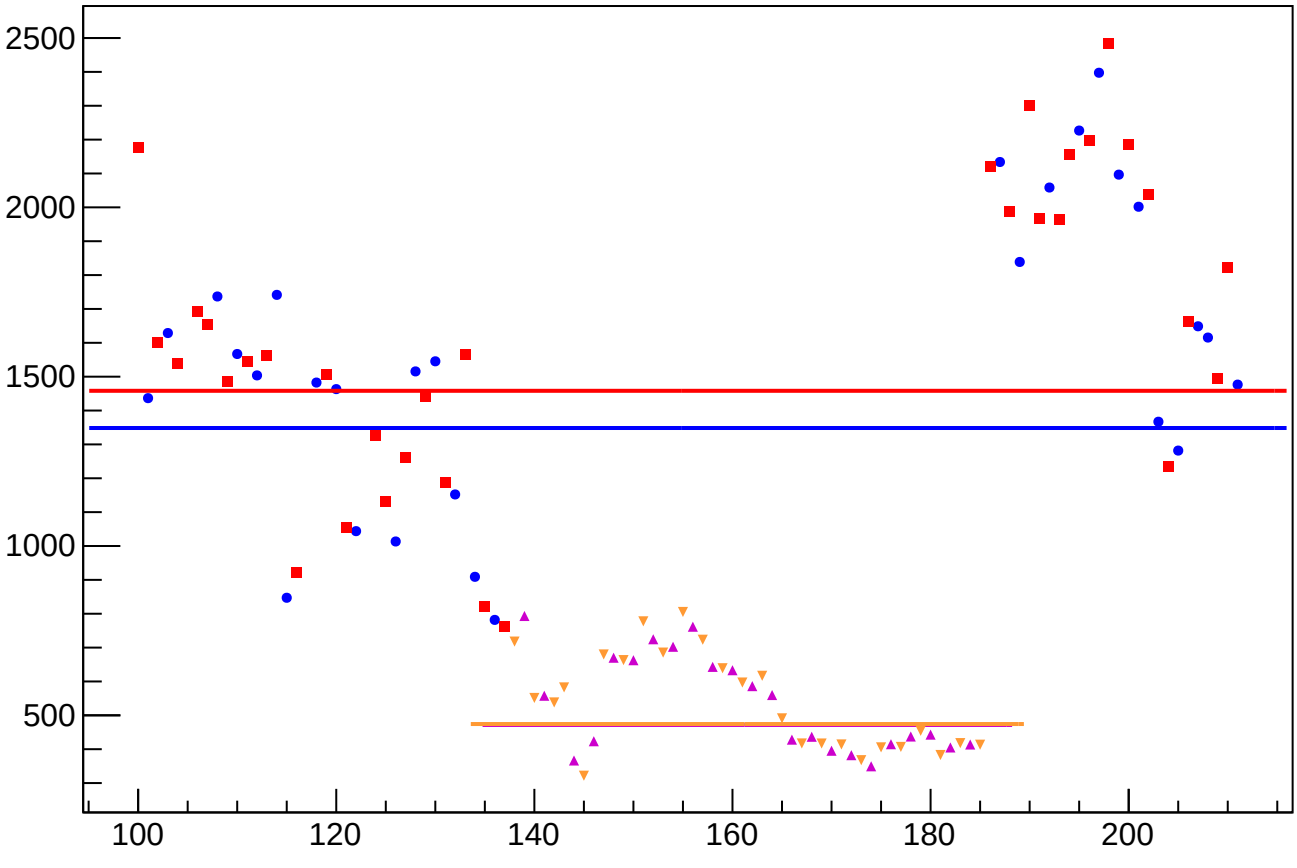
Right: 127.238+/-0.017 χ^2/NDF: 9640060.0/60

In: 88.239+/-0.011 χ^2/NDF:8079336.1/50

Out: 88.564+/-0.011 χ^2/NDF:10651627.7/57

All: 88.404+/-0.008 χ^2/NDF: 18731377.0/108


asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -1119.979+/-348.429 χ²/NDF: 29.4/27
Left Out: -403.375+/-111.773 χ²/NDF:60.7/24
Right Out: 994.163+/-358.927 χ²/NDF: 27.1/32
Left In: 54.192+/-114.223 χ²/NDF:30.7/22
Left: -179.552+/-79.888 χ²/NDF: 99.6/47
Right: -94.278+/-250.006 χ²/NDF: 74.3/60
In: -59.749+/-108.540 χ²/NDF:70.3/50
Out: -279.829+/-106.718 χ²/NDF:101.6/57
All: -171.651+/-76.097 χ²/NDF: 174.1/108



Right In: 1348.431+/-0.246 χ^2/NDF: 3005858.4/27

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1458.291+/-0.254 χ^2/NDF: 3024175.6/32

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

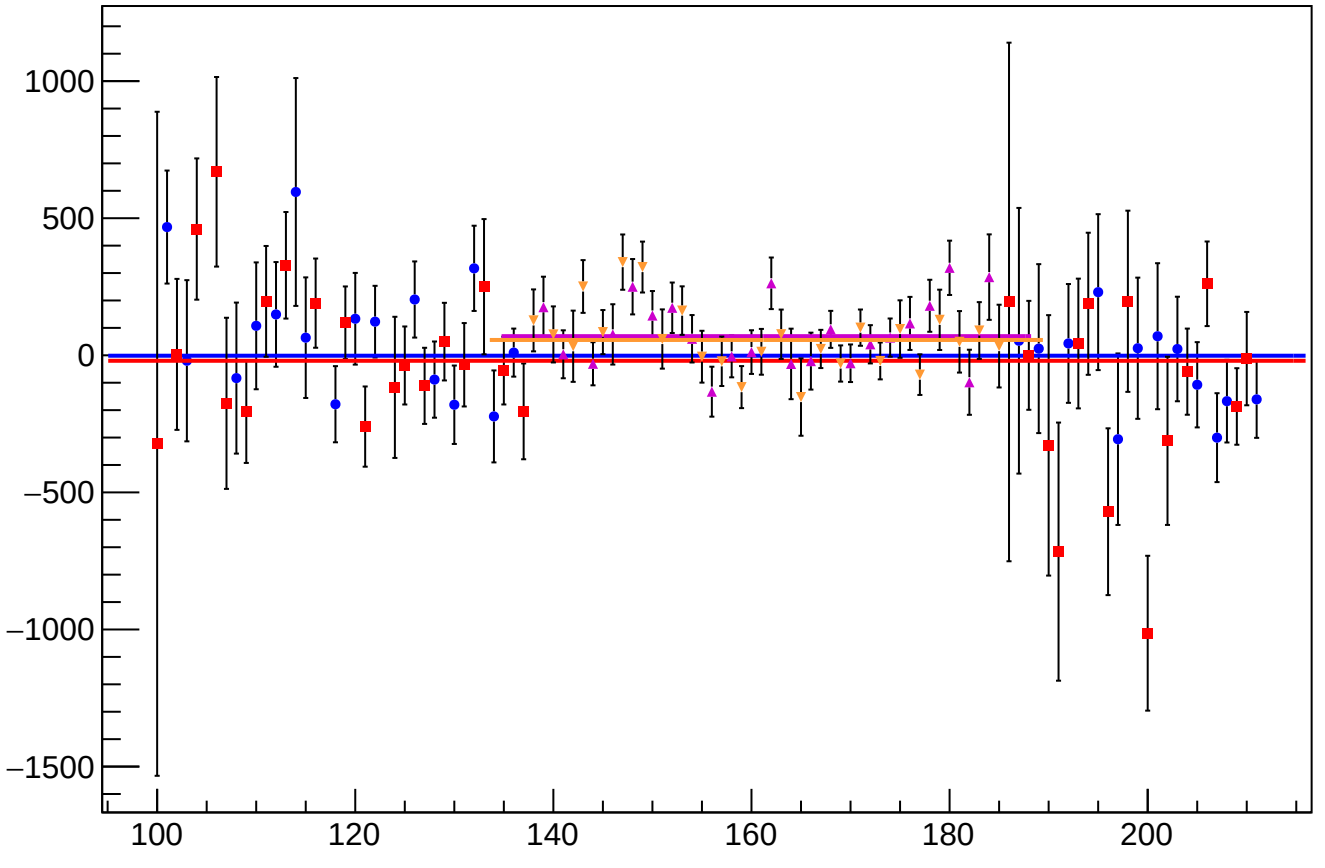
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1401.731+/-0.177 χ^2/NDF: 6126499.0/60

In: 556.557+/-0.077 χ^2/NDF:16655691.6/50

Out: 561.282+/-0.075 χ^2/NDF:19265928.5/57

All: 558.960+/-0.054 χ^2/NDF: 35923546.9/10



Right In: -1.488+/-33.037 χ^2/NDF: 29.7/27

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -19.948+/-33.848 χ^2/NDF: 47.0/32

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

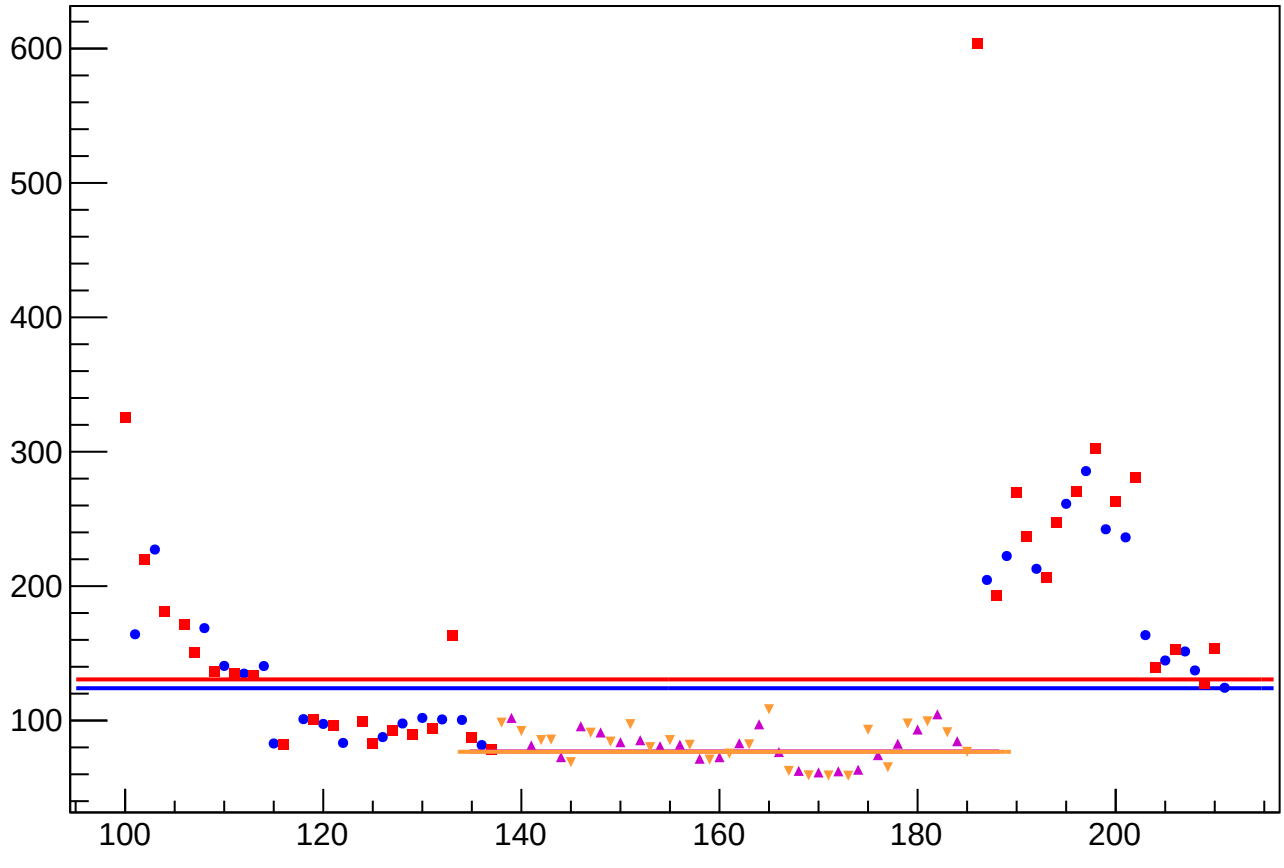
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -10.495+/-23.642 χ^2/NDF: 76.8/60

In: 52.820+/-16.139 χ^2/NDF:67.8/50

Out: 39.290+/-15.858 χ^2/NDF:89.3/57

All: 45.936+/-11.311 χ^2/NDF: 157.4/108



Right In: 124.036+/-0.023 χ^2/NDF: 4136310.5/27

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 130.598+/-0.024 χ^2/NDF: 5465275.1/32

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

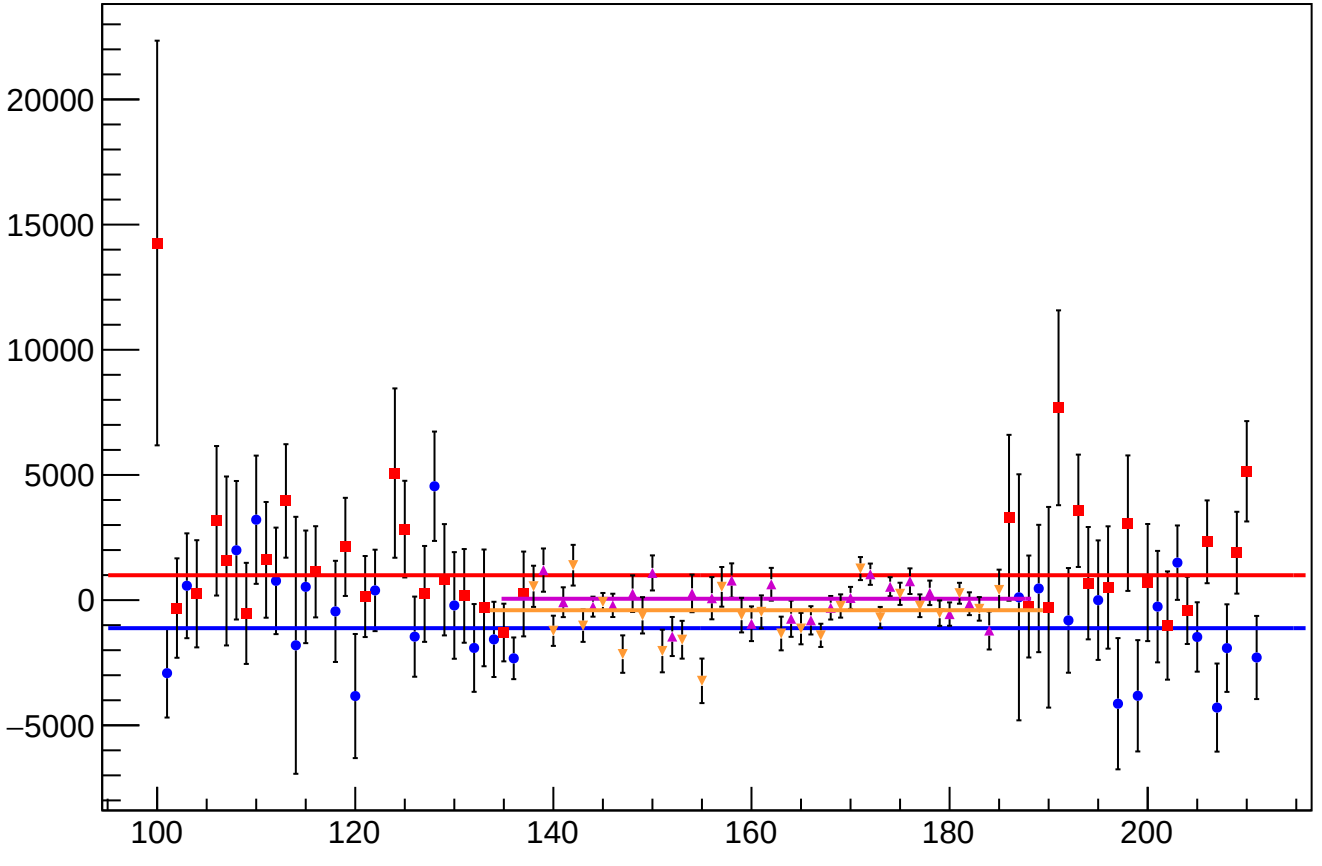
Right: 127.238+/-0.017 χ^2/NDF: 9640080.2/60

In: 88.239+/-0.011 χ^2/NDF:8079270.8/50

Out: 88.564+/-0.011 χ^2/NDF:10651582.1/57

All: 88.405+/-0.008 χ^2/NDF: 18731266.1/108

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1119.976+/-348.429 χ^2/NDF: 29.4/27

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 994.163+/-358.927 χ^2/NDF: 27.1/32

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

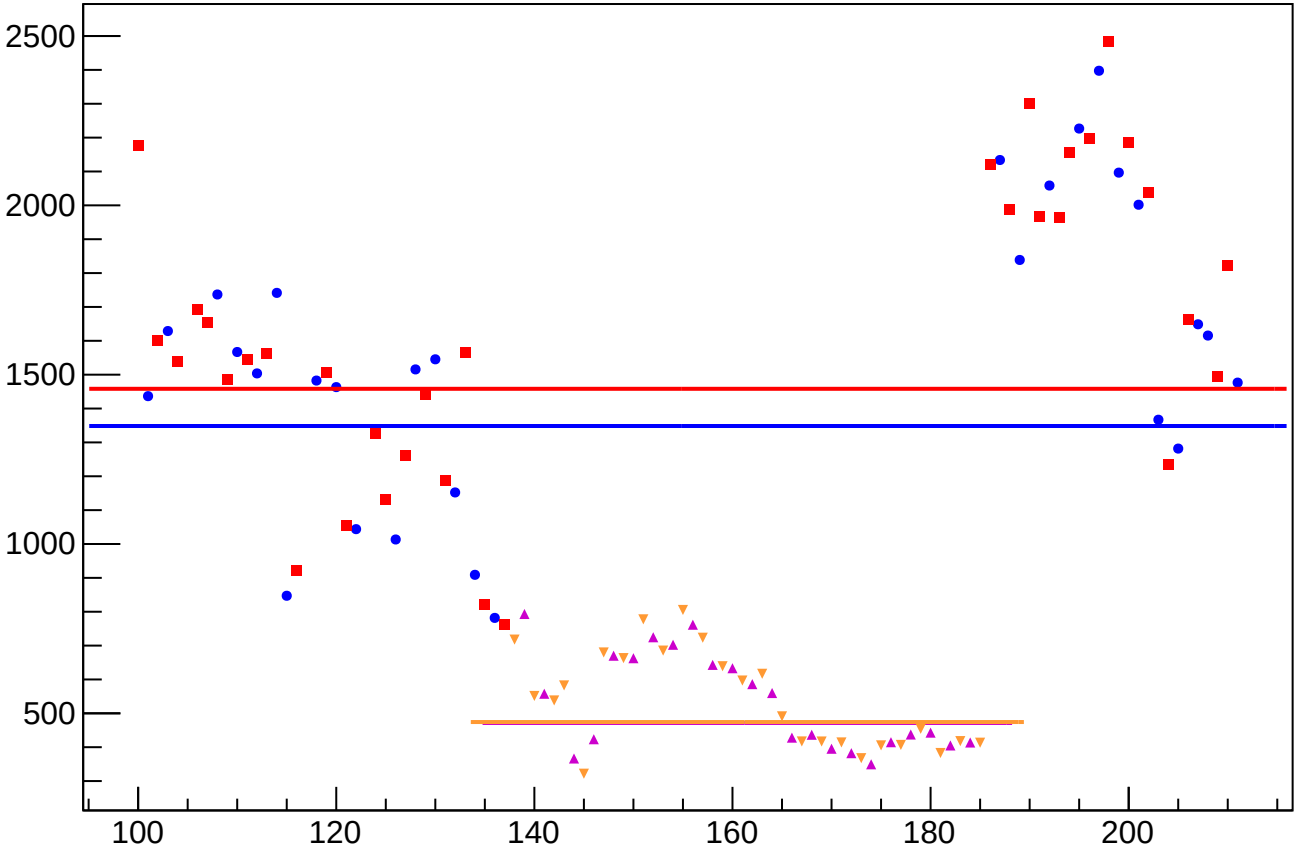
Right: -94.277+/-250.005 χ^2/NDF: 74.3/60

In: -59.749+/-108.540 χ^2/NDF:70.3/50

Out: -279.829+/-106.718 χ^2/NDF:101.6/57

All: -171.651+/-76.097 χ^2/NDF: 174.1/108

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1348.430+/-0.246 χ^2/NDF: 3005849.5/27

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1458.290+/-0.254 χ^2/NDF: 3024171.9/32

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

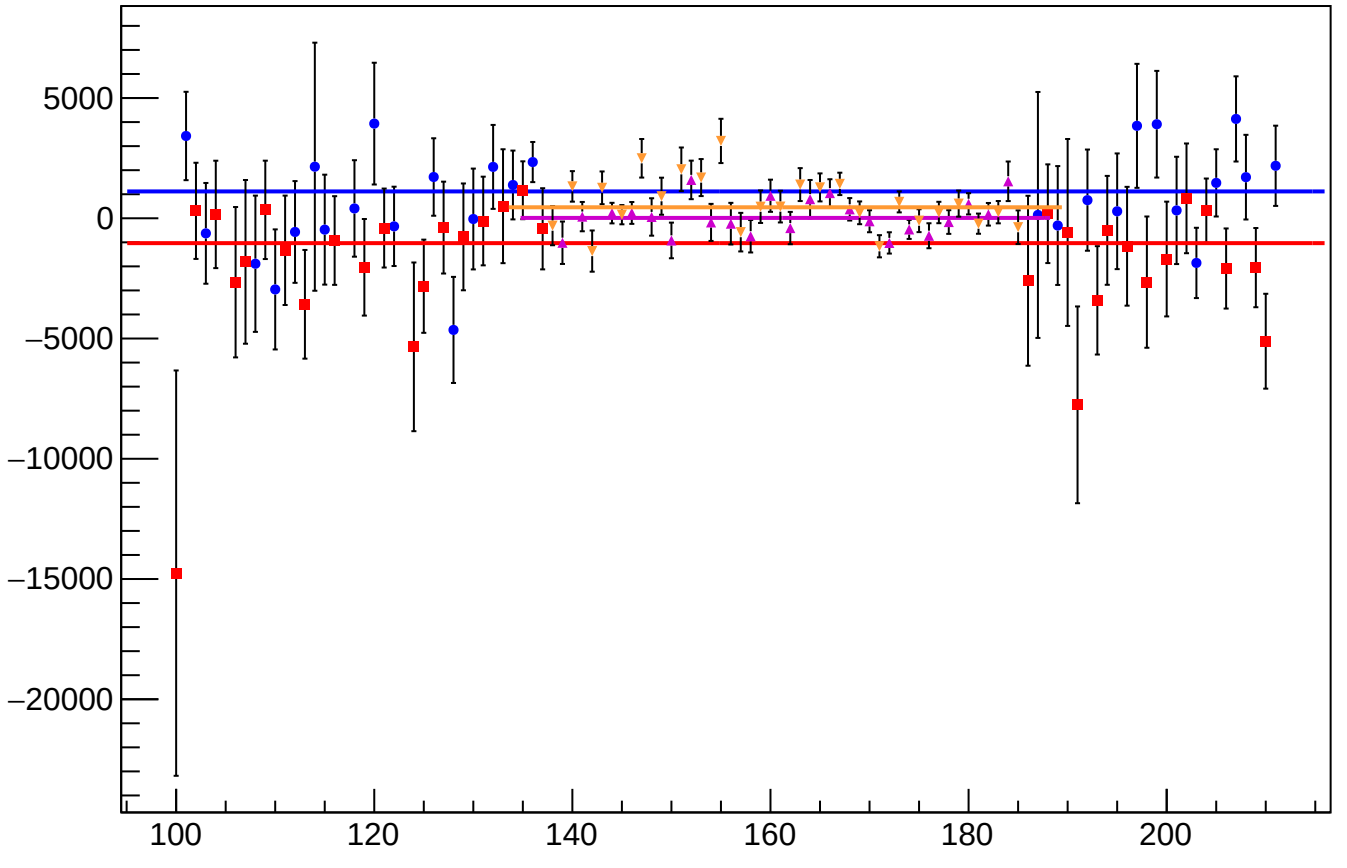
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1401.730+/-0.177 χ^2/NDF: 6126486.0/60

In: 556.557+/-0.077 χ^2/NDF:16655676.7/50

Out: 561.282+/-0.075 χ^2/NDF:19265927.4/57

All: 558.959+/-0.054 χ^2/NDF: 35923530.7/10



Right In: 1116.843+/-348.363 χ^2/NDF: 30.1/27

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -1033.590+/-363.150 χ^2/NDF: 24.1/32

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

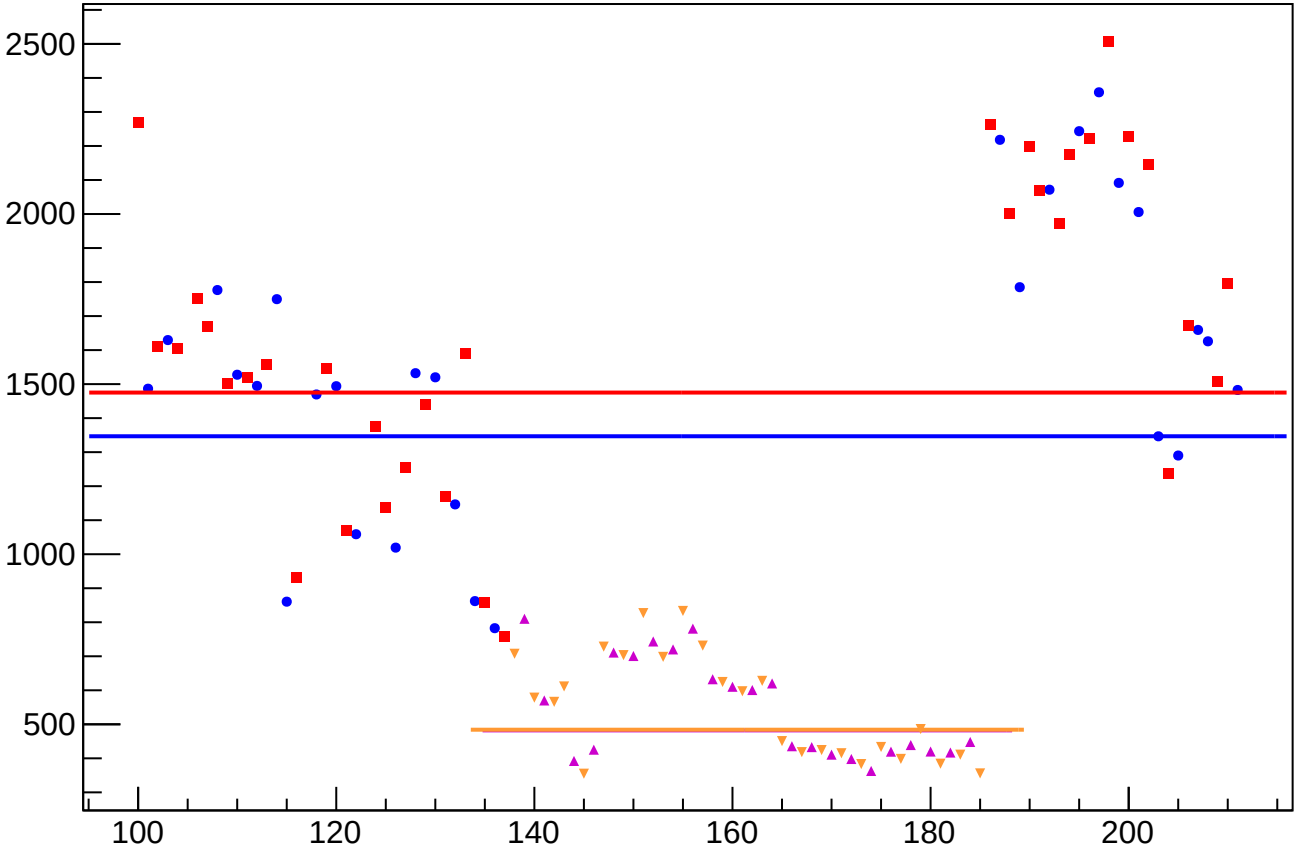
Right: 86.300+/-251.395 χ^2/NDF: 72.5/60

In: 126.256+/-110.657 χ^2/NDF:69.4/50

Out: 322.795+/-109.072 χ^2/NDF:98.8/57

All: 225.944+/-77.680 χ^2/NDF: 169.8/108

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1346.730+/-0.246 χ^2/NDF: 3044909.5/27

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1475.162+/-0.257 χ^2/NDF: 3009989.1/32

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

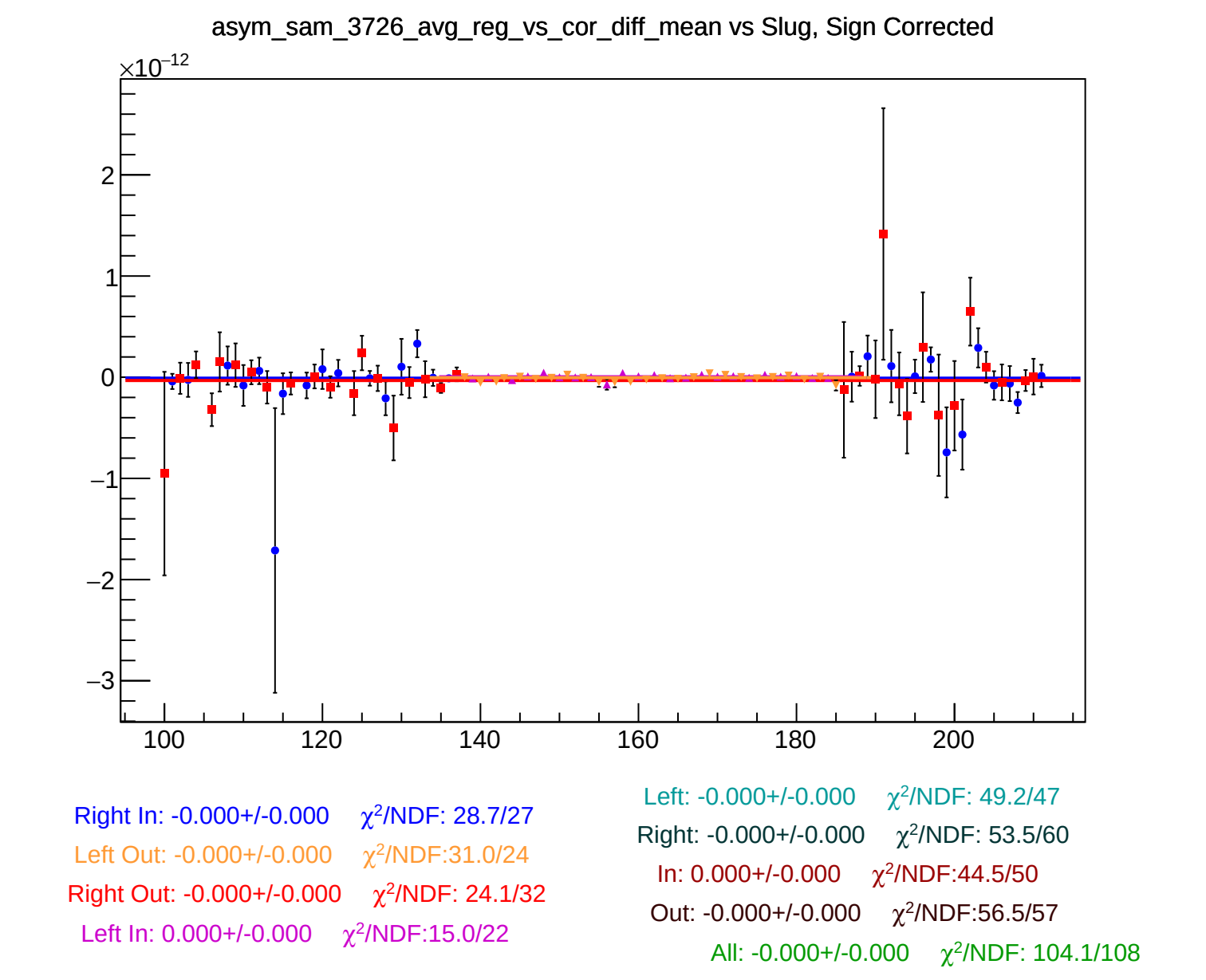
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

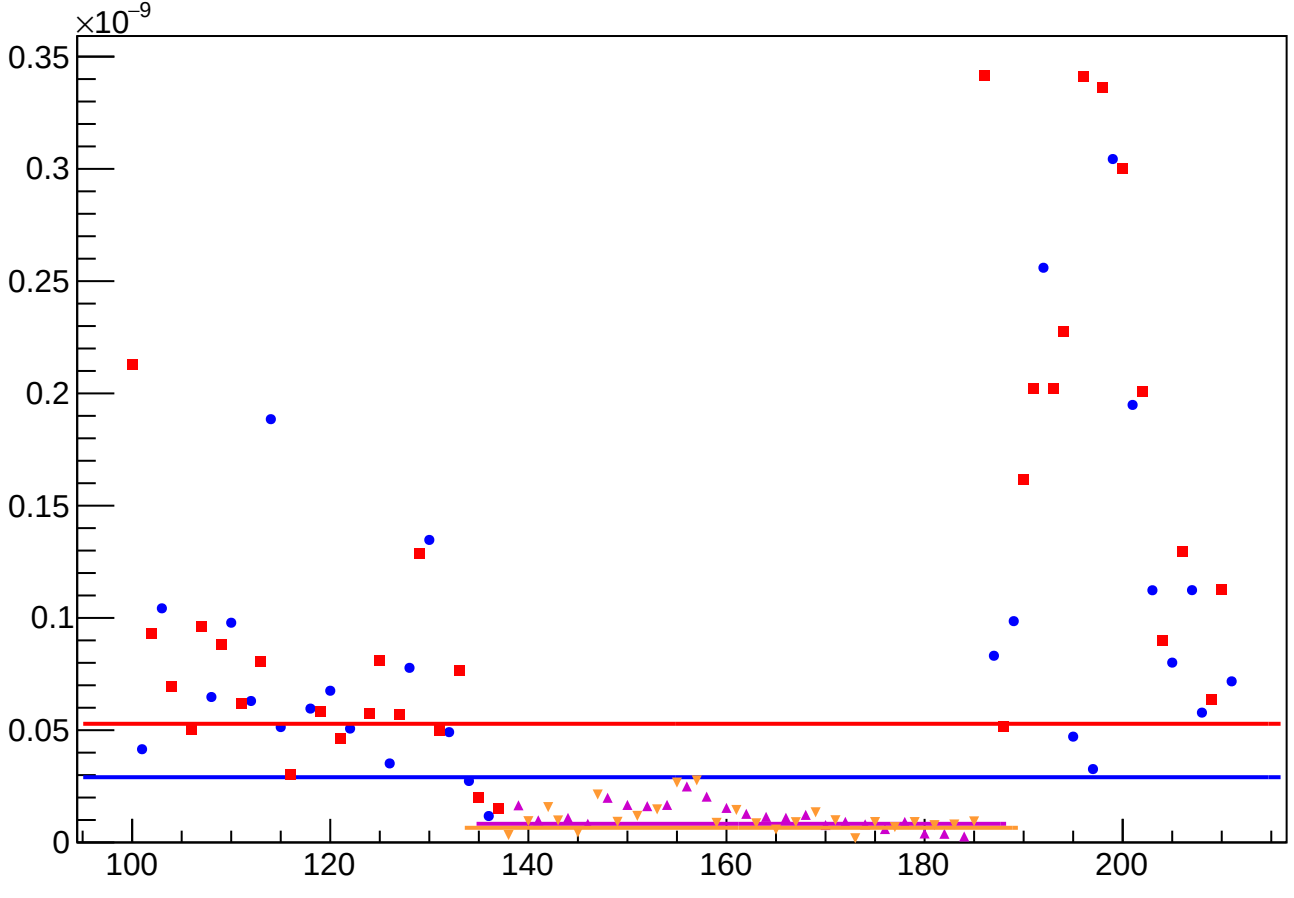
Right: 1408.278+/-0.178 χ^2/NDF: 6185172.1/60

In: 569.395+/-0.078 χ^2/NDF:16307382.4/50

Out: 573.528+/-0.077 χ^2/NDF:19109603.6/57

All: 571.491+/-0.055 χ^2/NDF: 35418401.5/10


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: 28.7/27
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.1/32
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: 53.5/60
In: 0.000+/-0.000 χ²/NDF:44.5/50
Out: -0.000+/-0.000 χ²/NDF:56.5/57
All: -0.000+/-0.000 χ²/NDF: 104.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 7057384.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6453479.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

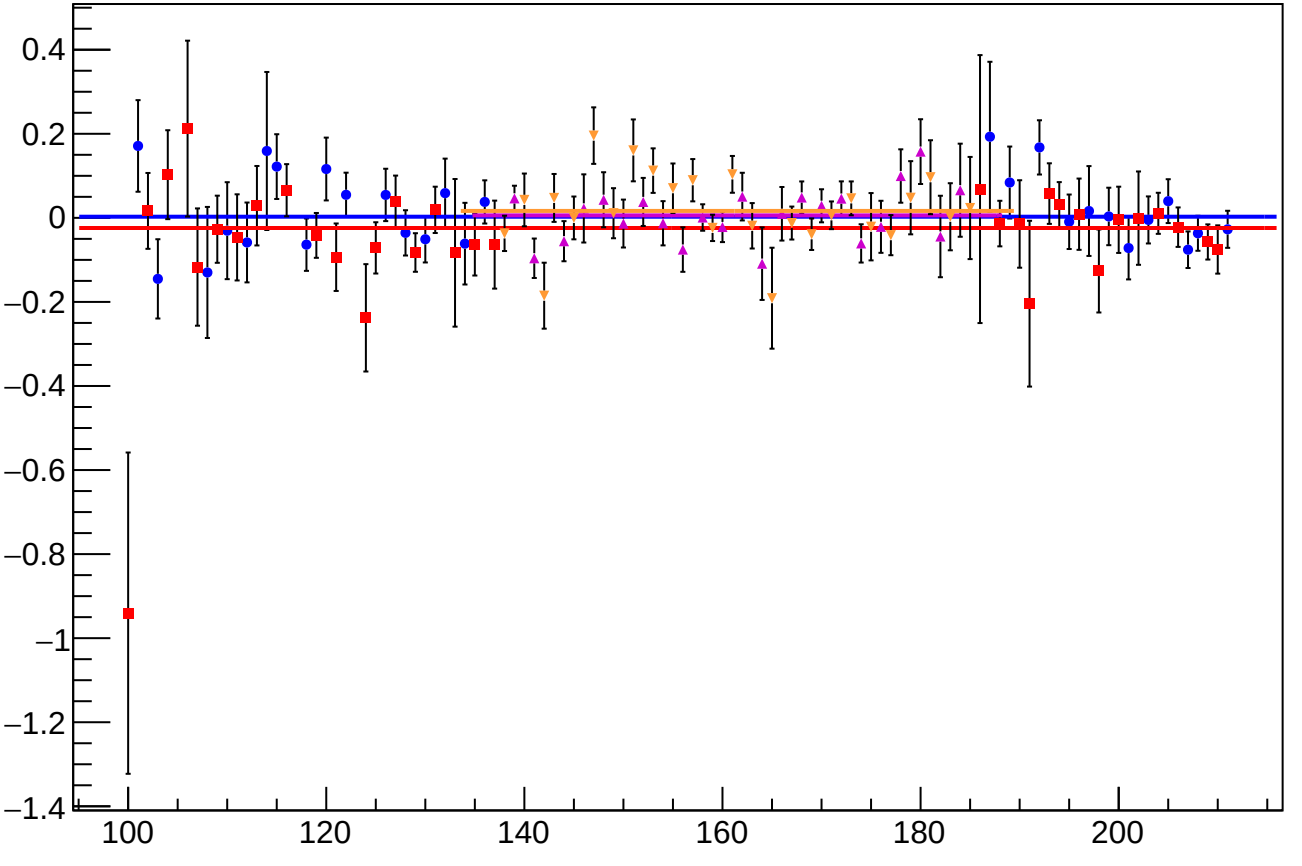
Right: 0.000+/-0.000 χ^2/NDF: 14848180.6/60

In: 0.000+/-0.000 χ^2/NDF:12943338.8/50

Out: 0.000+/-0.000 χ^2/NDF:17446637.7/57

All: 0.000+/-0.000 χ^2/NDF: 30748786.8/108

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

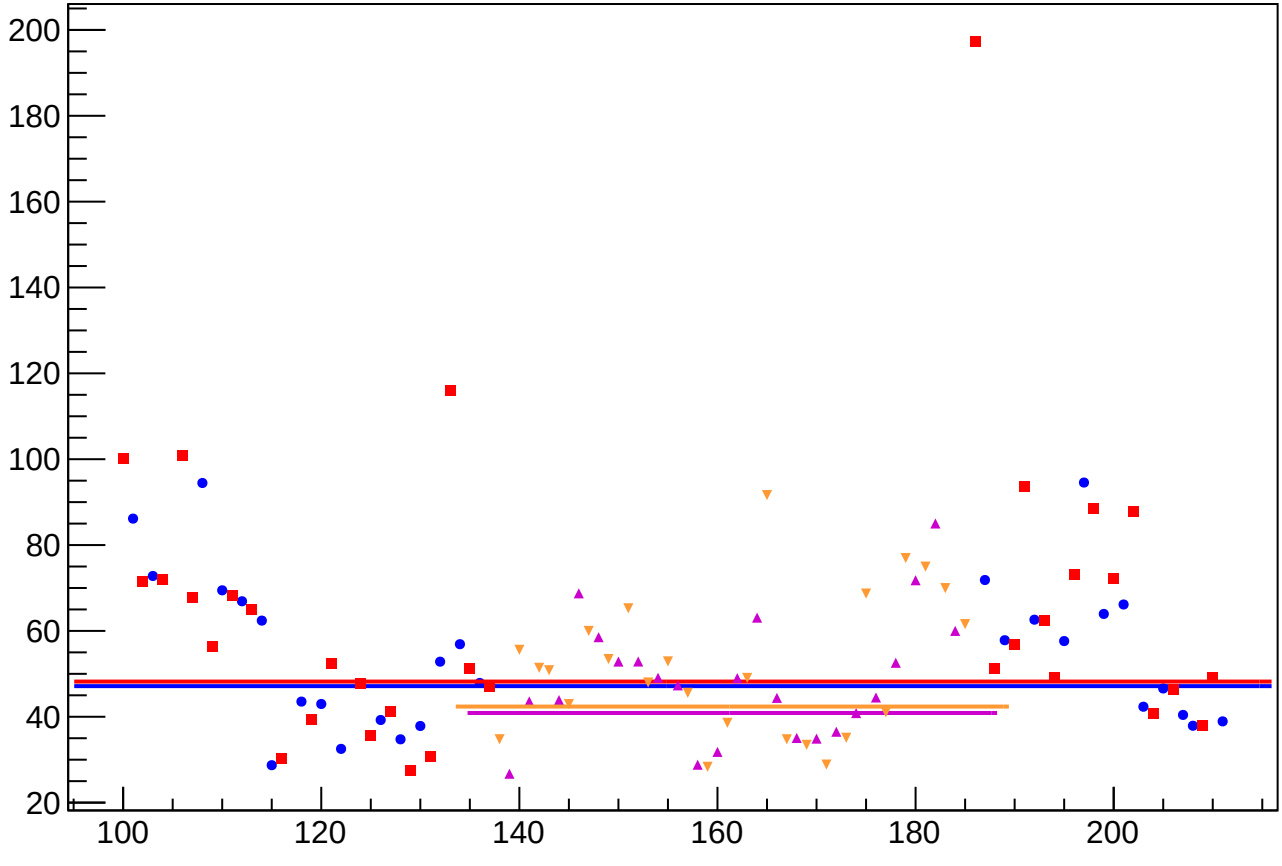
Right: -0.011+/-0.009 χ^2/NDF: 60.3/60

In: 0.005+/-0.008 χ^2/NDF:57.8/50

Out: 0.000+/-0.008 χ^2/NDF:73.5/57

All: 0.002+/-0.006 χ^2/NDF: 131.5/108

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.135+/-0.009 χ^2/NDF: 2381342.7/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.201+/-0.009 χ^2/NDF: 3602888.7/32

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

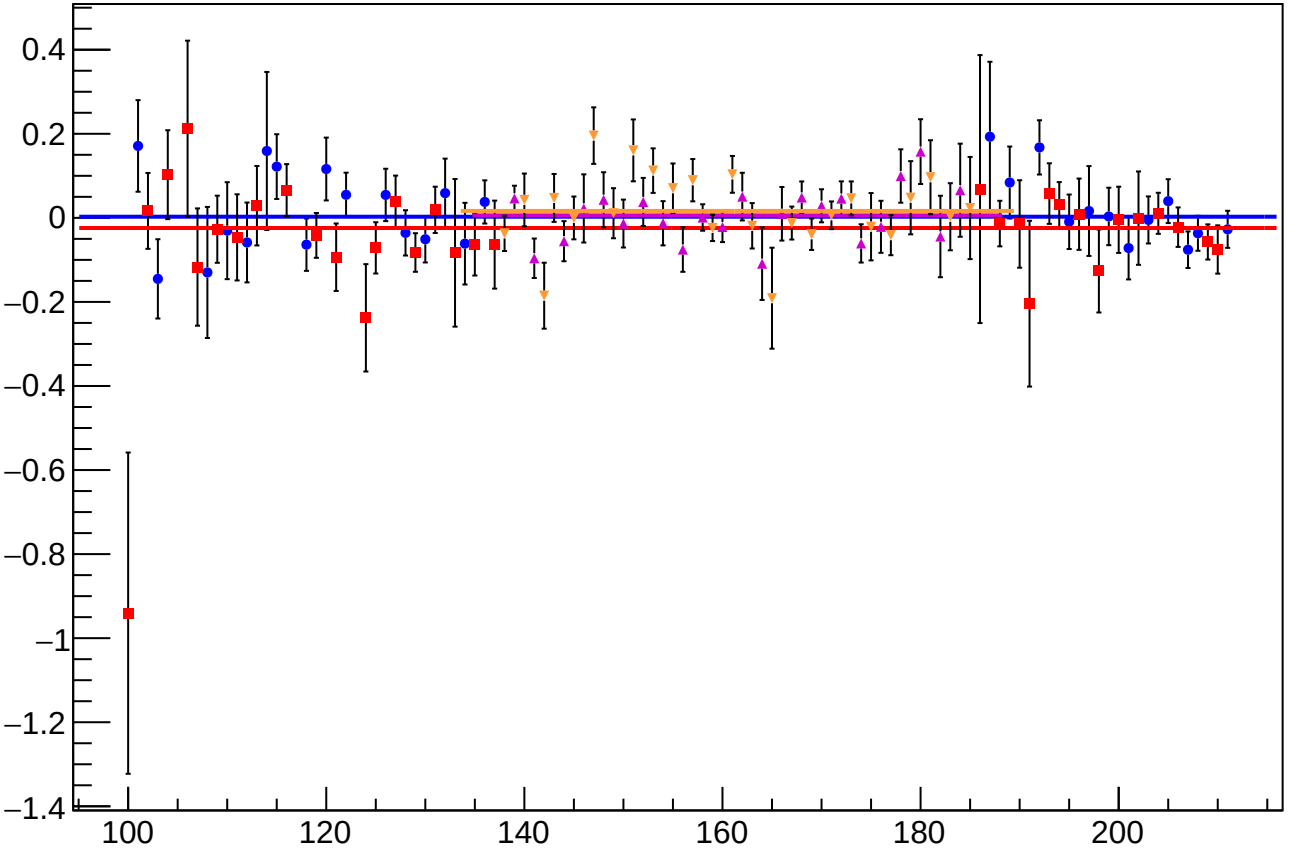
Right: 47.666+/-0.006 χ^2/NDF: 5991486.6/60

In: 43.408+/-0.006 χ^2/NDF:5358679.8/50

Out: 44.735+/-0.006 χ^2/NDF:7050700.7/57

All: 44.068+/-0.004 χ^2/NDF: 12437194.2/108

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

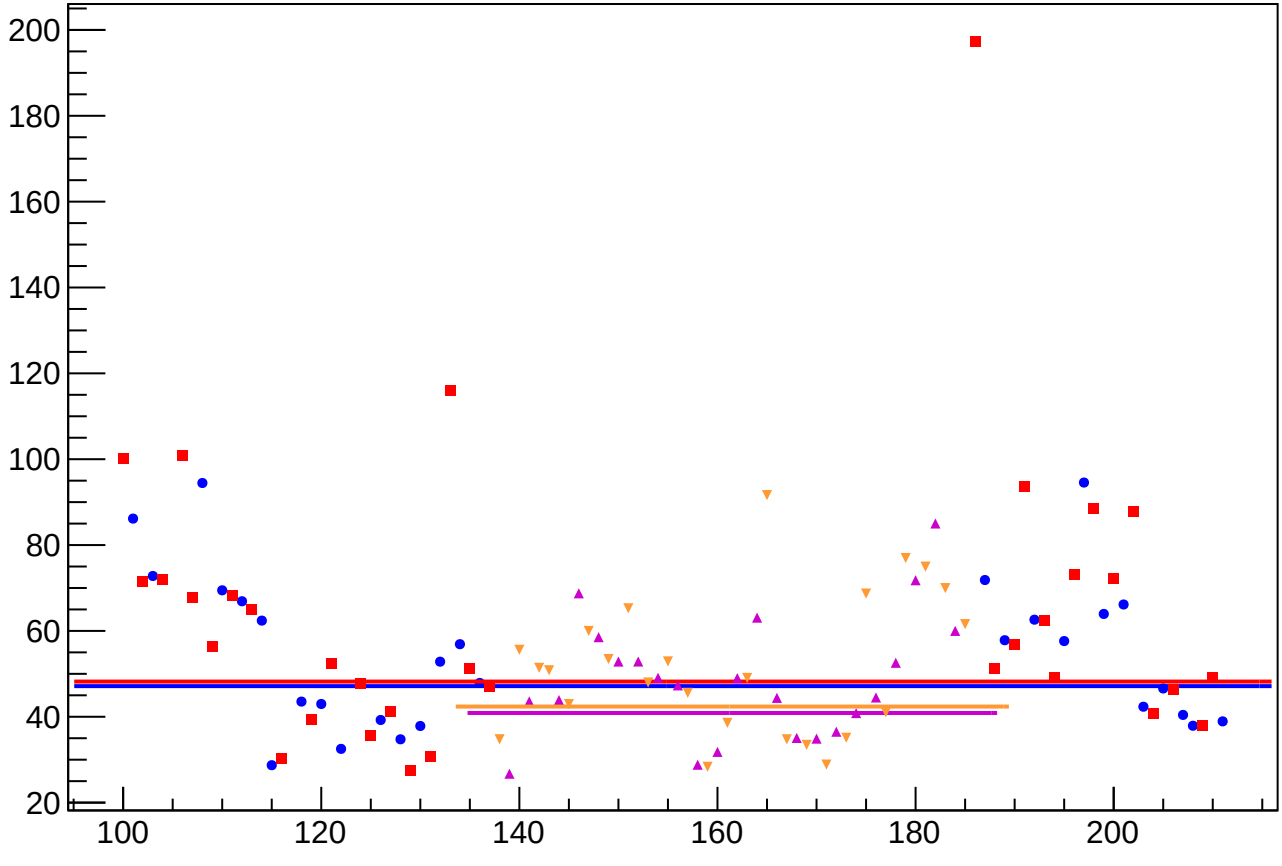
Right: -0.011+/-0.009 χ^2/NDF: 60.3/60

In: 0.005+/-0.008 χ^2/NDF:57.8/50

Out: 0.000+/-0.008 χ^2/NDF:73.5/57

All: 0.002+/-0.006 χ^2/NDF: 131.5/108

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.135+/-0.009 χ^2/NDF: 2381342.7/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.201+/-0.009 χ^2/NDF: 3602888.7/32

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

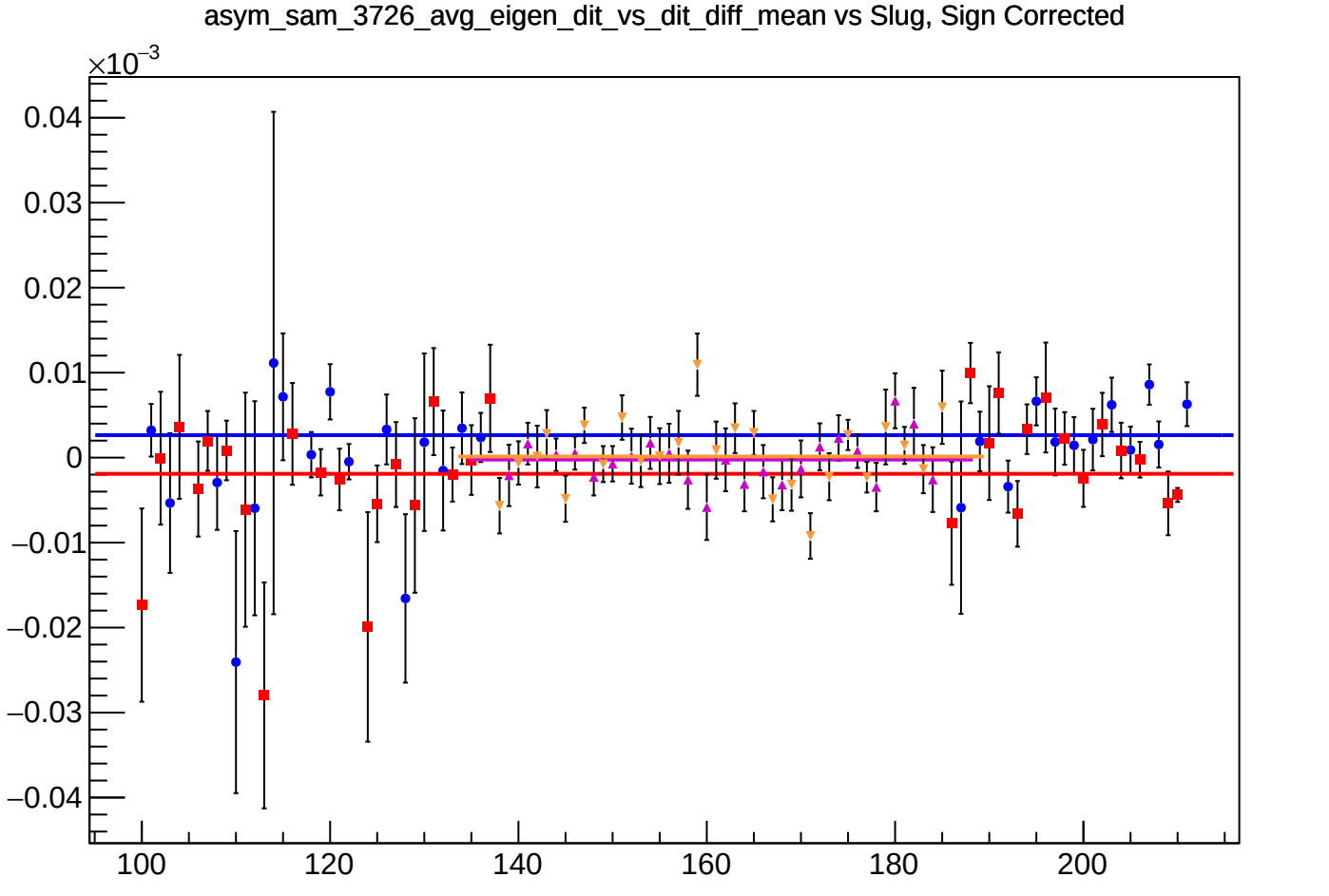
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 47.666+/-0.006 χ^2/NDF: 5991486.6/60

In: 43.408+/-0.006 χ^2/NDF:5358679.8/50

Out: 44.735+/-0.006 χ^2/NDF:7050700.7/57

All: 44.068+/-0.004 χ^2/NDF: 12437194.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.7/32

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

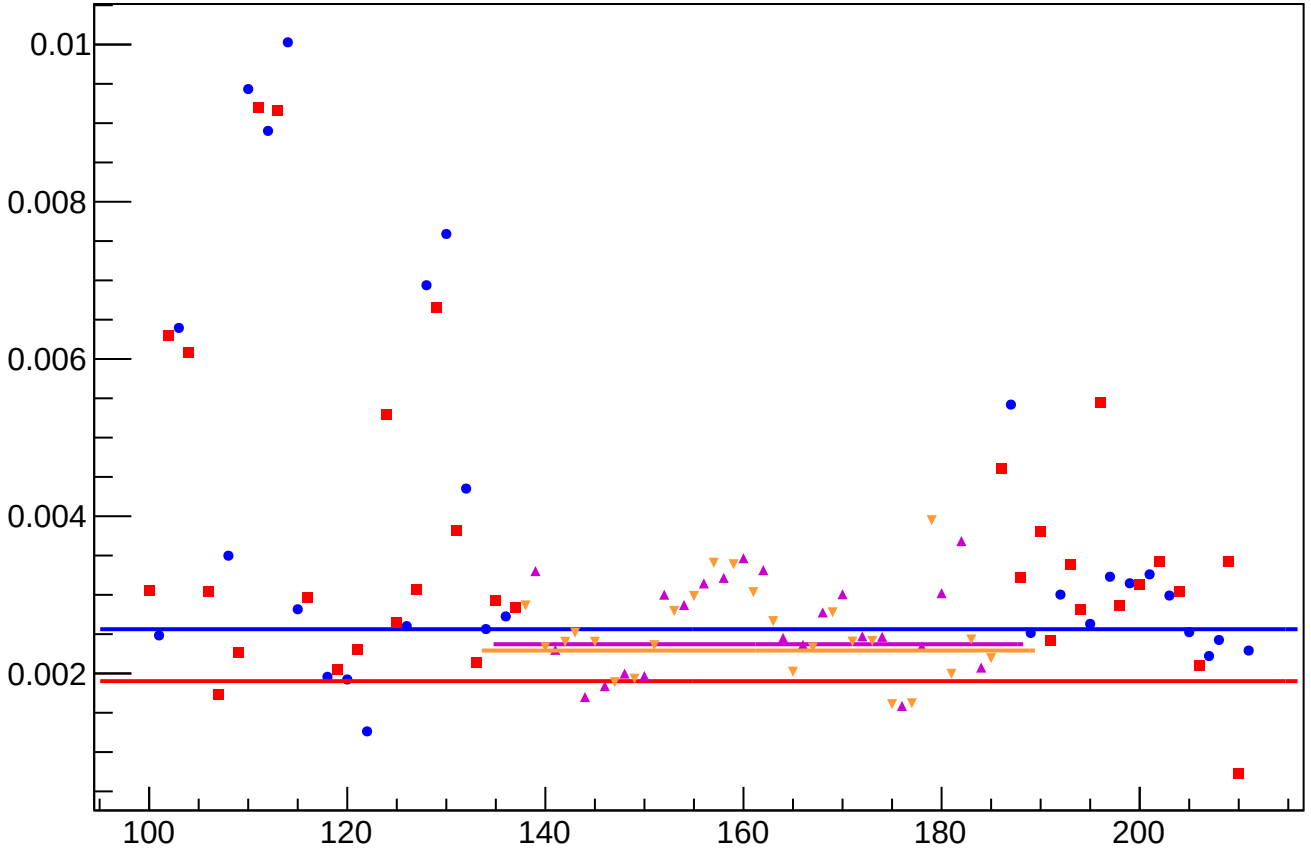
Right: -0.000+/-0.000 χ^2/NDF: 113.1/60

In: 0.000+/-0.000 χ^2/NDF:58.4/50

Out: -0.000+/-0.000 χ^2/NDF:110.7/57

All: -0.000+/-0.000 χ^2/NDF: 179.0/108

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3917221.3/27

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10925816.0/32

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

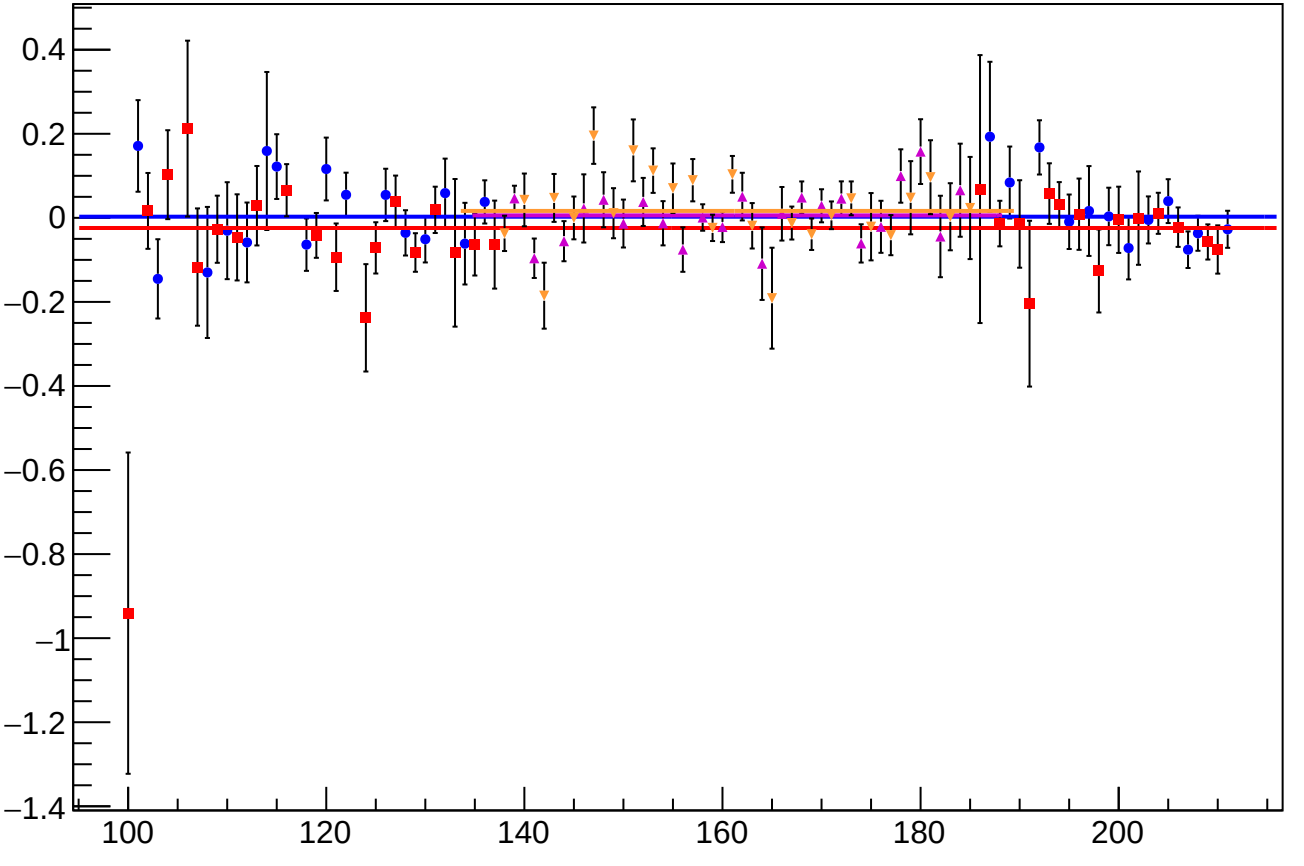
Right: 0.002+/-0.000 χ^2/NDF: 15985903.3/60

In: 0.002+/-0.000 χ^2/NDF:6029121.3/50

Out: 0.002+/-0.000 χ^2/NDF:13259435.9/57

All: 0.002+/-0.000 χ^2/NDF: 20008486.3/108

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

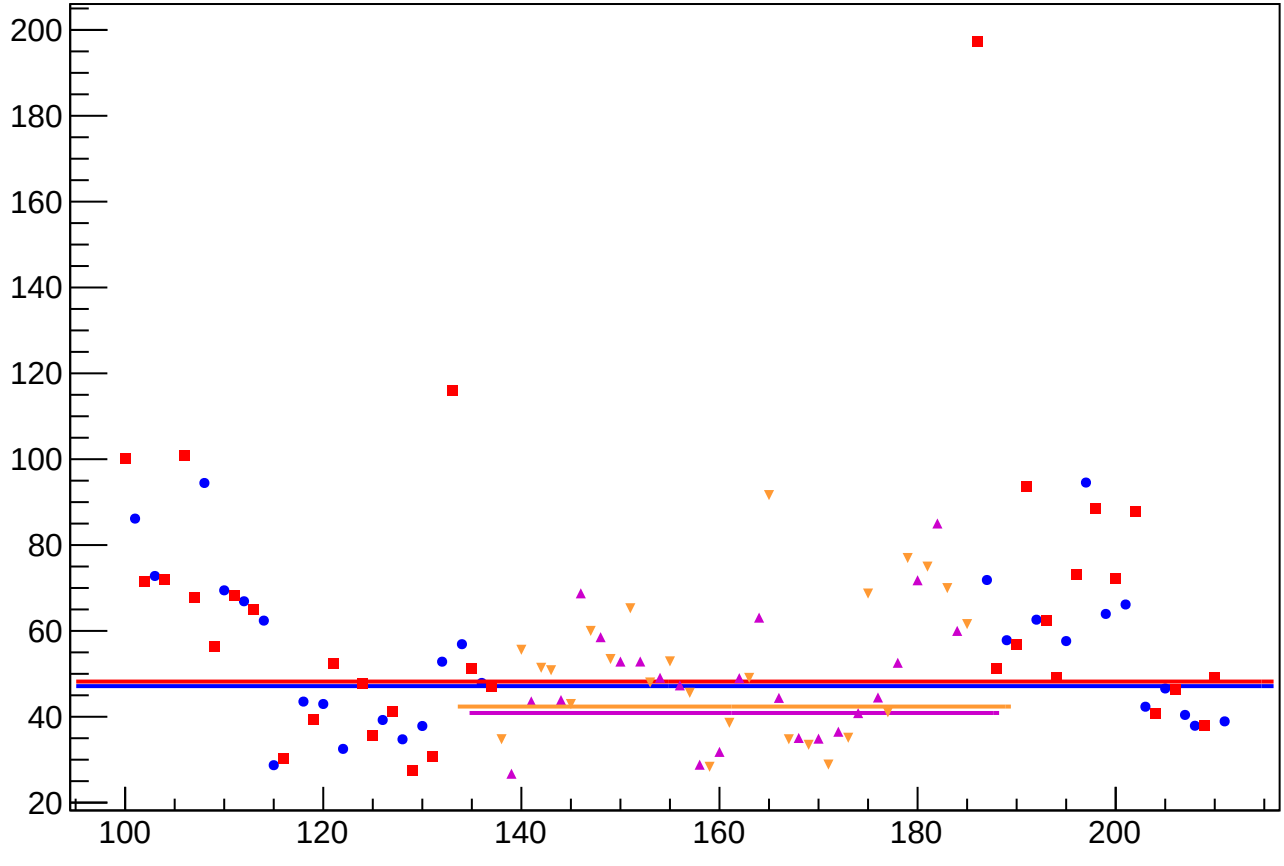
Right: -0.011+/-0.009 χ^2/NDF: 60.3/60

In: 0.005+/-0.008 χ^2/NDF:57.8/50

Out: 0.000+/-0.008 χ^2/NDF:73.5/57

All: 0.002+/-0.006 χ^2/NDF: 131.5/108

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.135+/-0.009 χ^2/NDF: 2381297.8/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.201+/-0.009 χ^2/NDF: 3602800.9/32

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

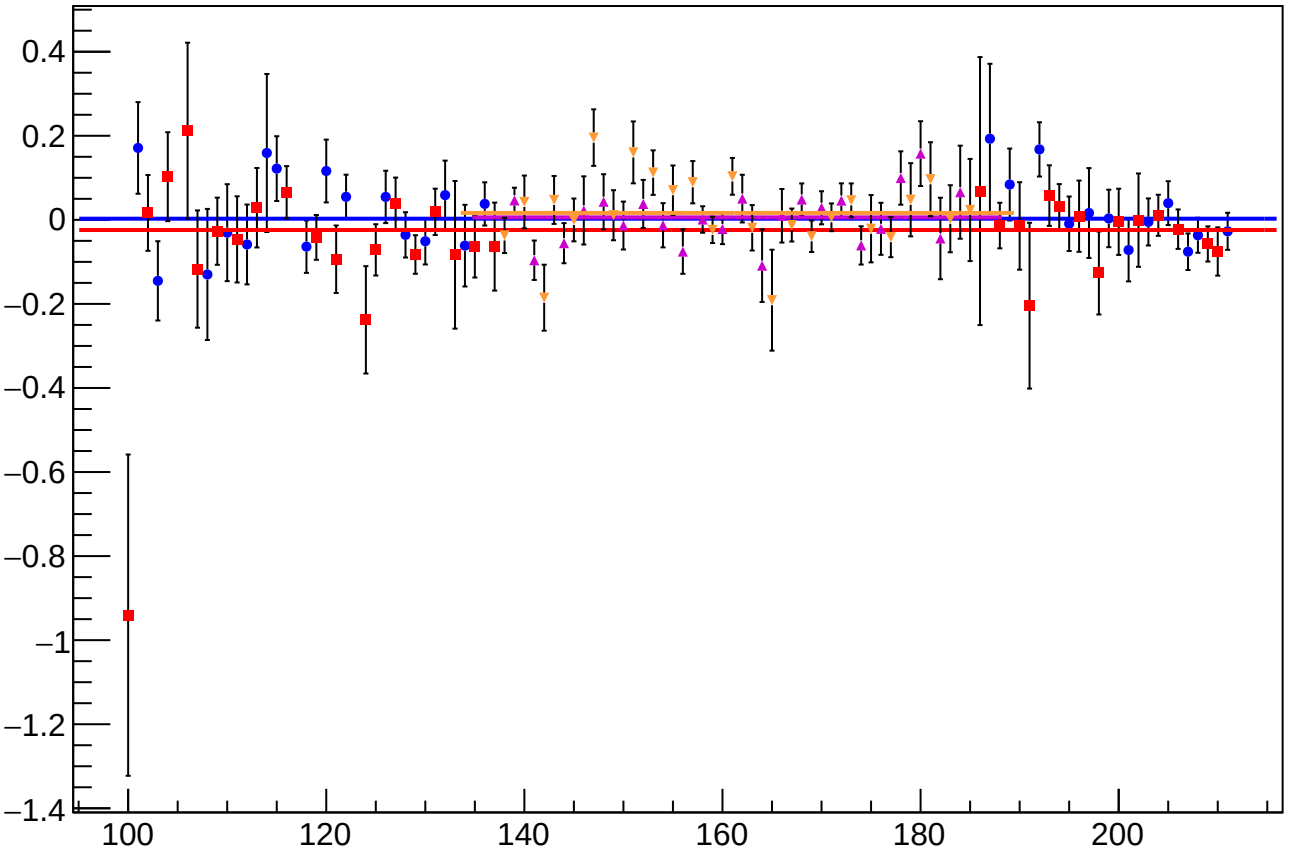
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 47.666+/-0.006 χ^2/NDF: 5991356.8/60

In: 43.408+/-0.006 χ^2/NDF:5358613.9/50

Out: 44.735+/-0.006 χ^2/NDF:7050627.1/57

All: 44.068+/-0.004 χ^2/NDF: 12437056.0/108



Right In: 0.003+/-0.012 χ^2/NDF: 31.8/27

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.024+/-0.013 χ^2/NDF: 26.2/32

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

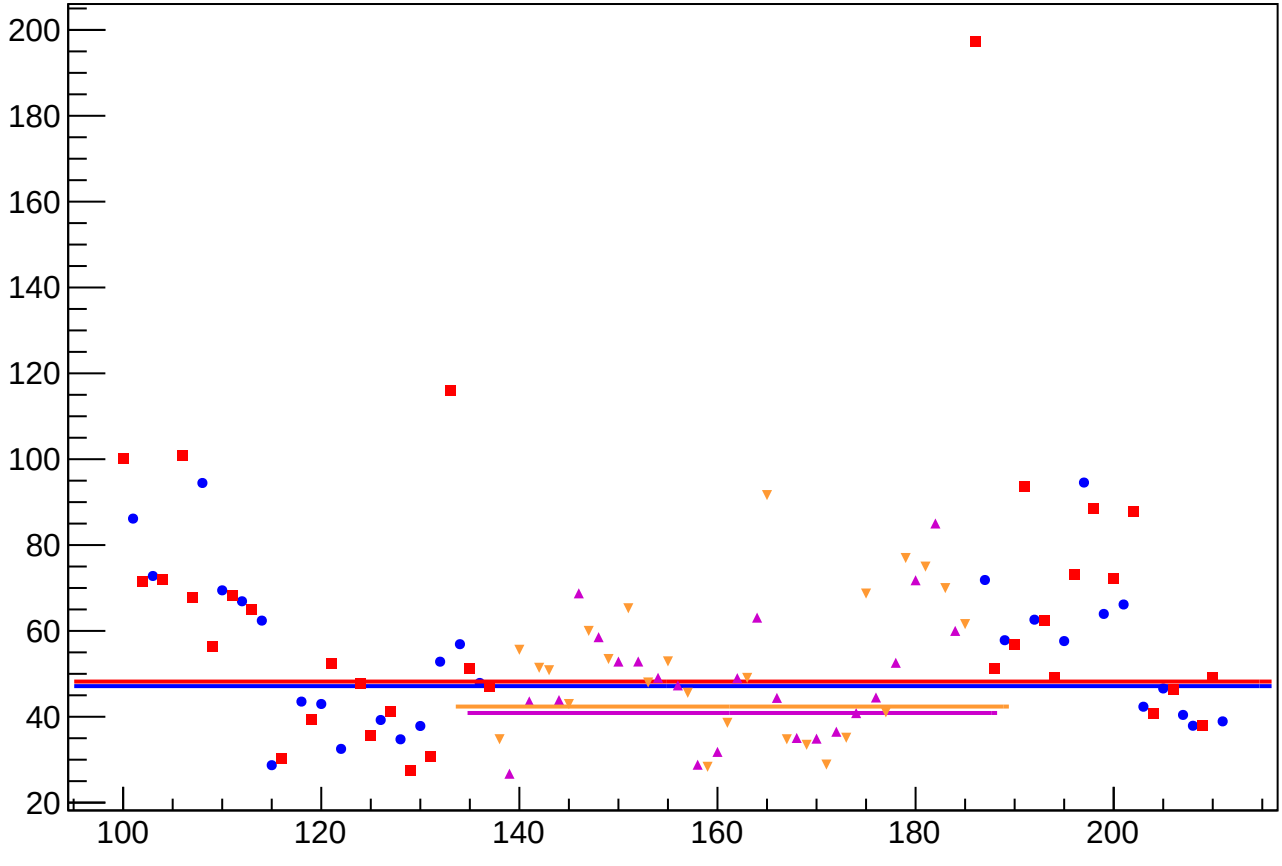
Right: -0.011+/-0.009 χ^2/NDF: 60.3/60

In: 0.005+/-0.008 χ^2/NDF:57.8/50

Out: 0.000+/-0.008 χ^2/NDF:73.5/57

All: 0.002+/-0.006 χ^2/NDF: 131.5/108

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.135+/-0.009 χ^2/NDF: 2381297.8/27

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.201+/-0.009 χ^2/NDF: 3602800.9/32

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

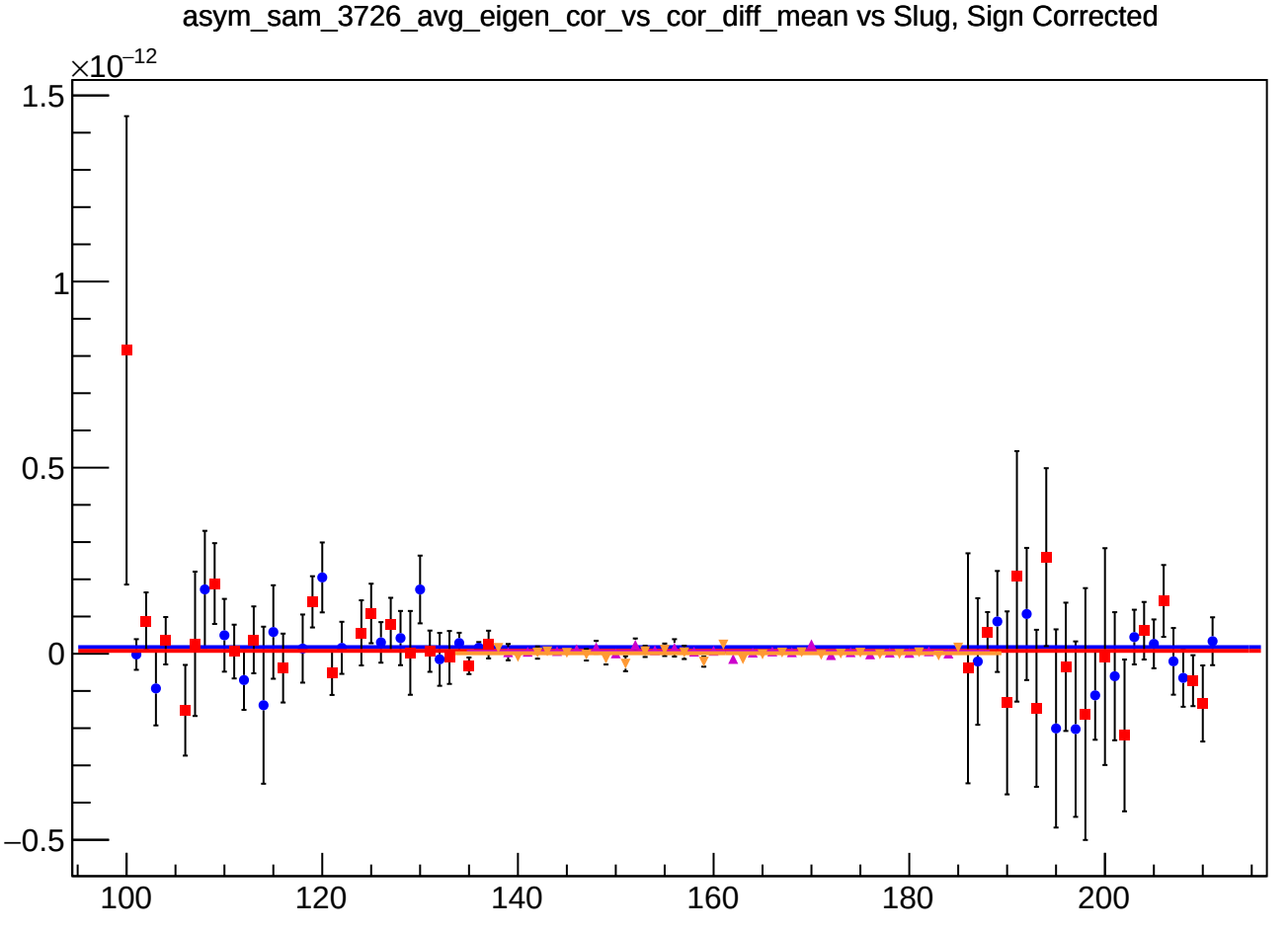
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 47.666+/-0.006 χ^2/NDF: 5991356.8/60

In: 43.408+/-0.006 χ^2/NDF:5358613.9/50

Out: 44.735+/-0.006 χ^2/NDF:7050627.1/57

All: 44.068+/-0.004 χ^2/NDF: 12437056.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/32

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

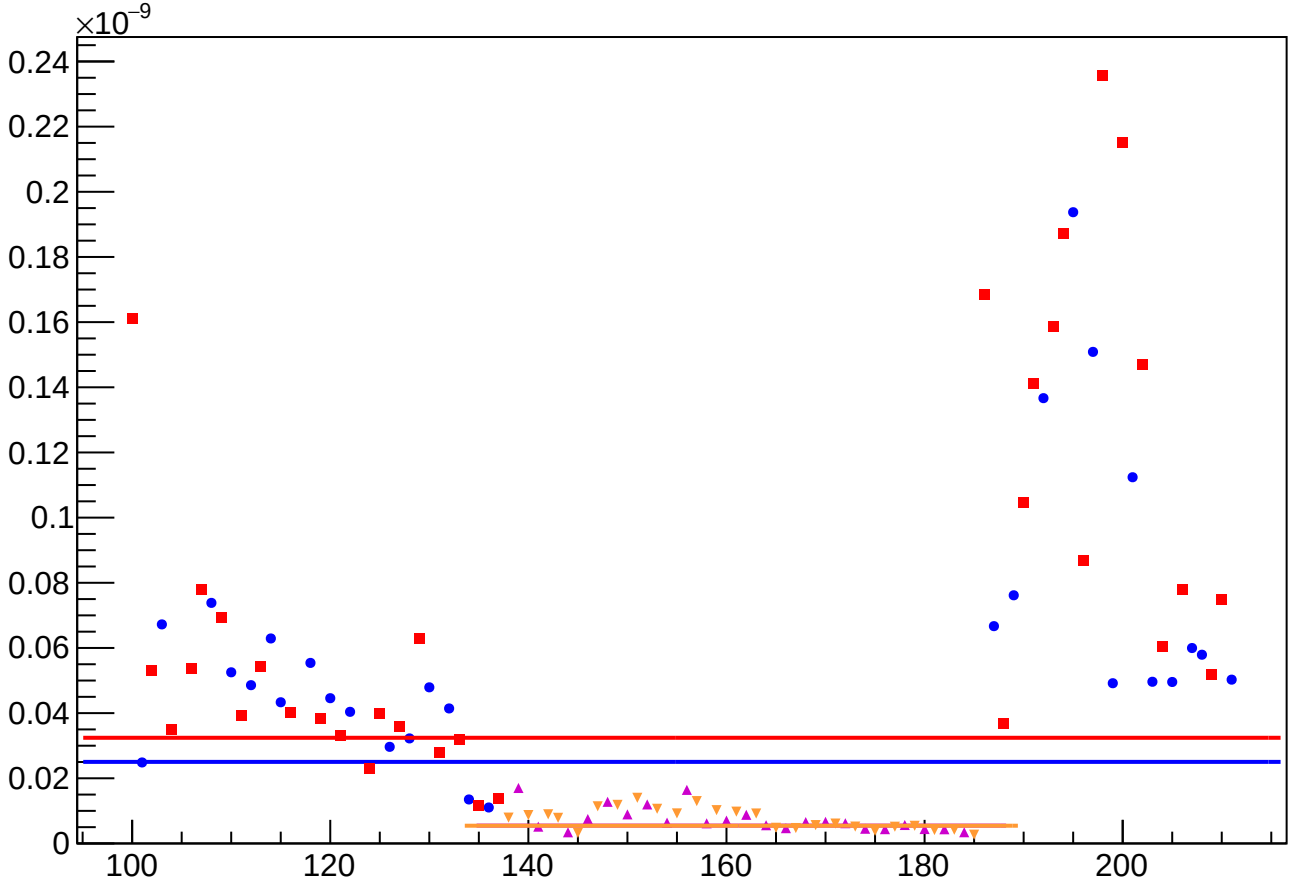
Right: 0.000+/-0.000 χ^2/NDF: 46.4/60

In: 0.000+/-0.000 χ^2/NDF:31.5/50

Out: 0.000+/-0.000 χ^2/NDF:49.1/57

All: 0.000+/-0.000 χ^2/NDF: 83.2/108

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8346065.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9098250.9/32

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

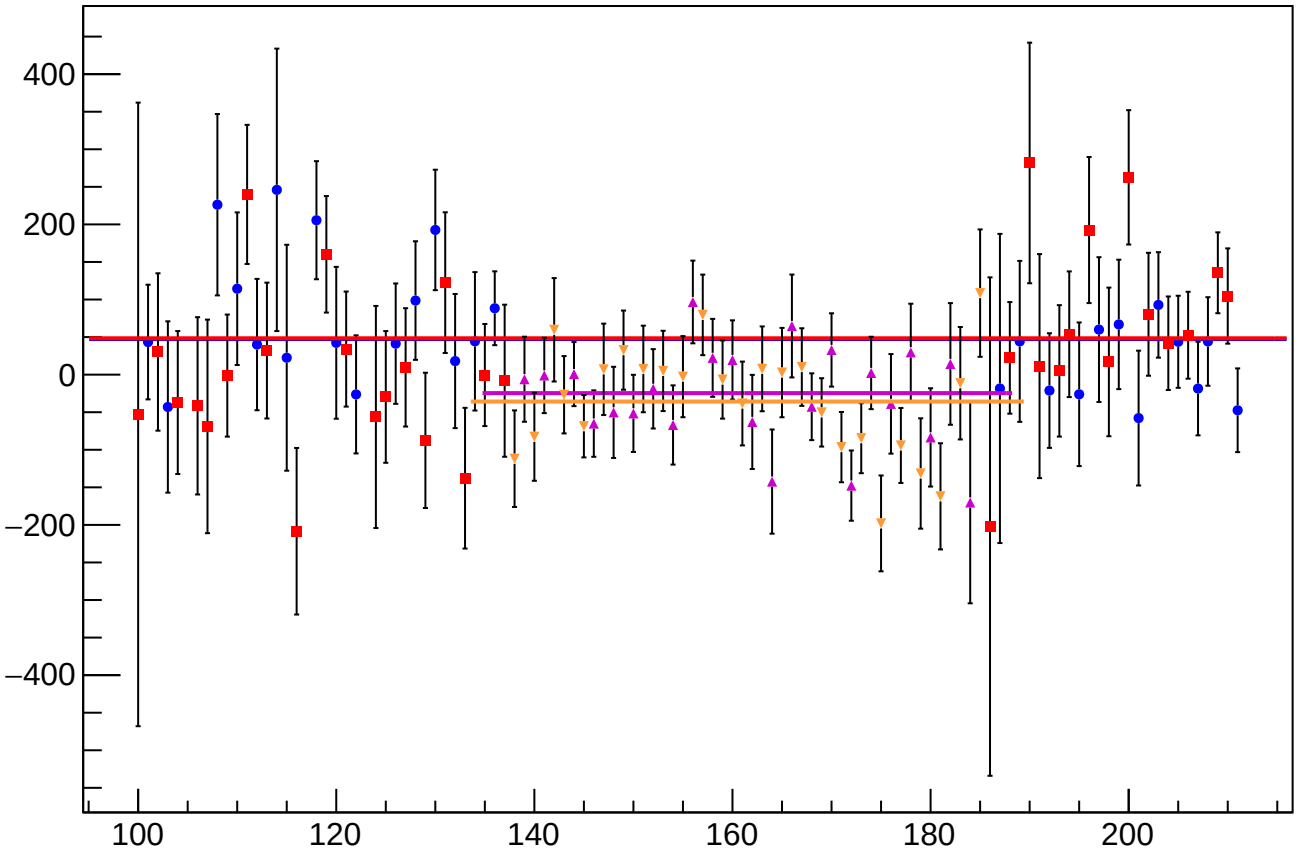
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17857428.4/60

In: 0.000+/-0.000 χ^2/NDF:17989355.3/50

Out: 0.000+/-0.000 χ^2/NDF:22025805.4/57

All: 0.000+/-0.000 χ^2/NDF: 40017591.8/108



Right In: 47.340+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 48.401+/-15.213 χ^2/NDF: 38.3/32

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

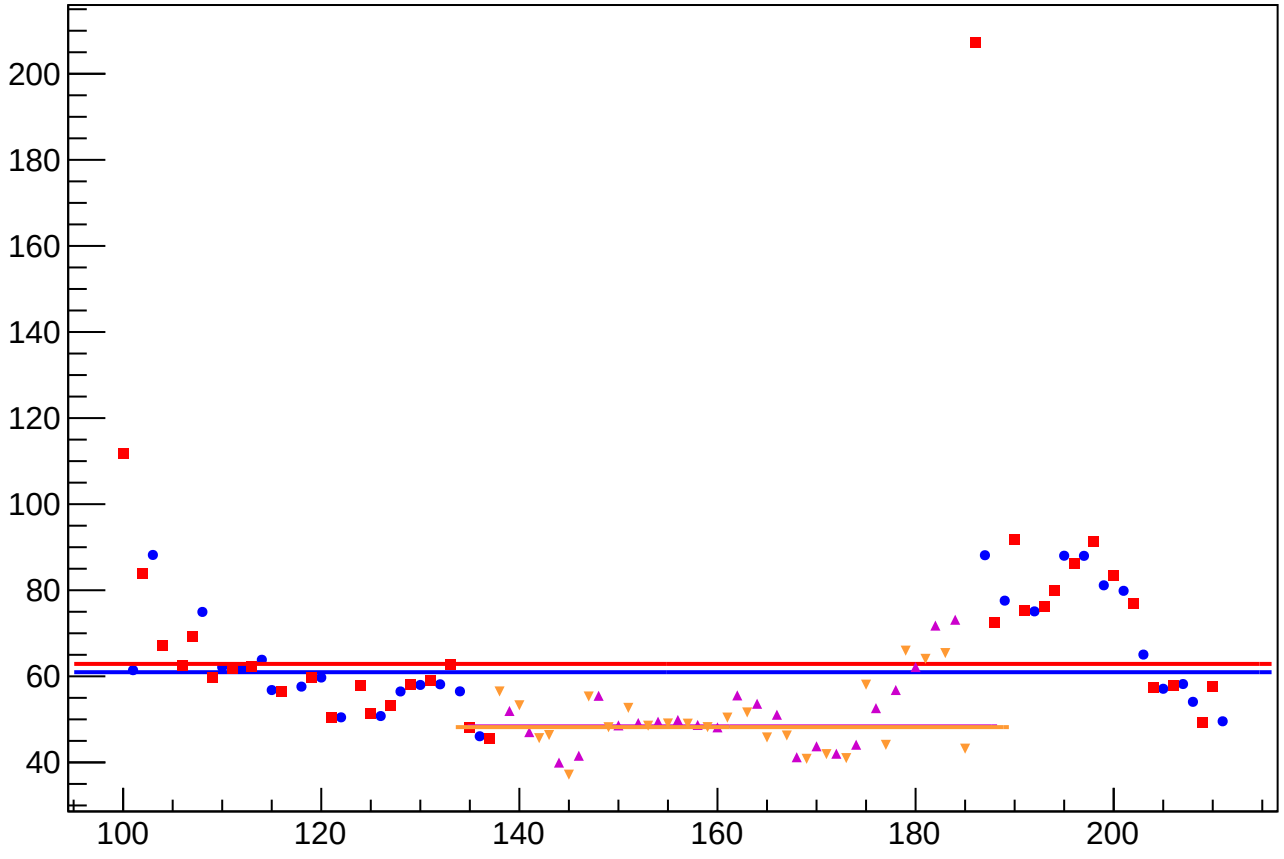
Right: 47.874+/-10.793 χ^2/NDF: 59.5/60

In: 1.275+/-9.181 χ^2/NDF:61.1/50

Out: -6.471+/-8.977 χ^2/NDF:91.9/57

All: -2.685+/-6.419 χ^2/NDF: 153.4/108

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 60.960+/-0.011 χ^2/NDF: 1212315.1/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.885+/-0.011 χ^2/NDF: 1648371.9/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

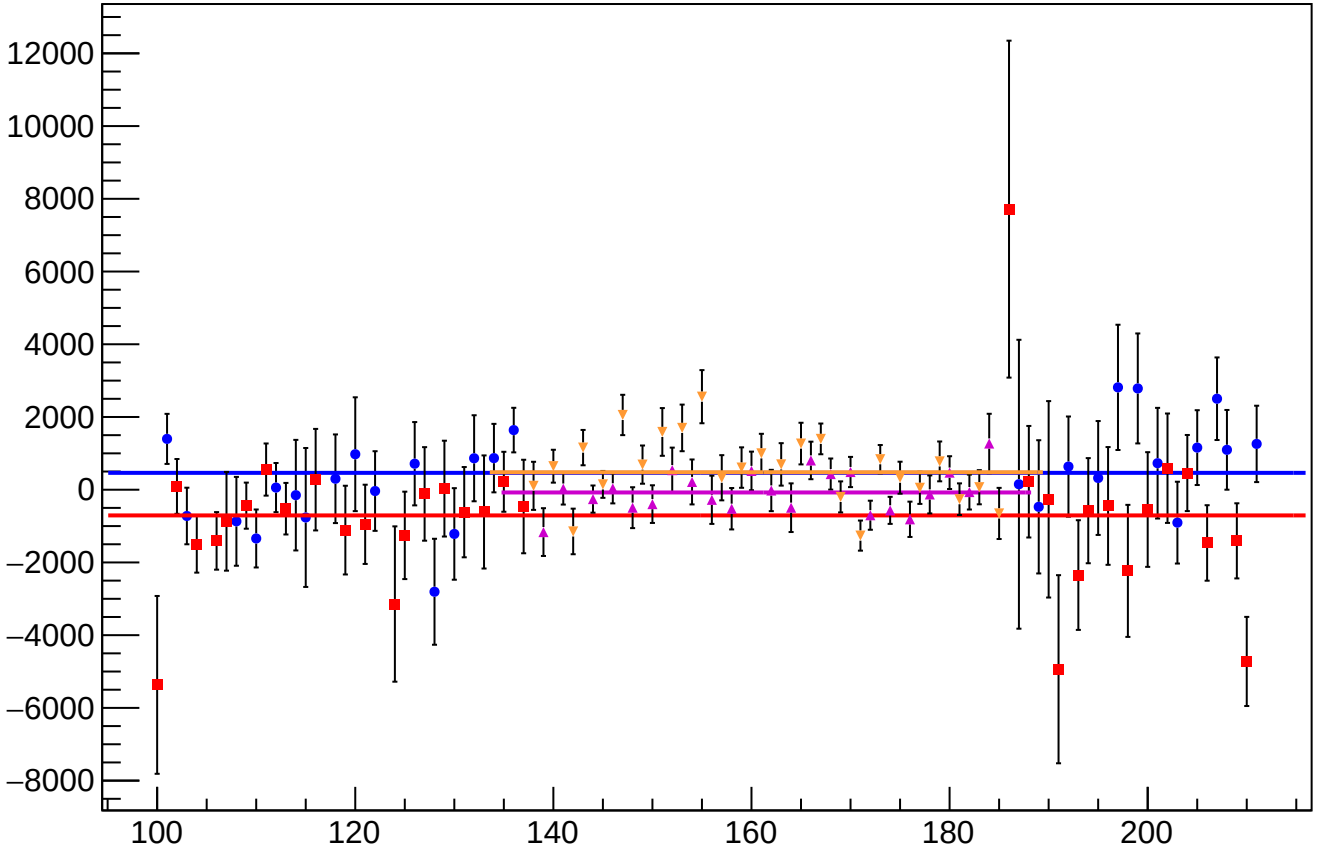
Right: 61.929+/-0.008 χ^2/NDF: 2876606.1/60

In: 52.902+/-0.006 χ^2/NDF:2772112.9/50

Out: 53.313+/-0.006 χ^2/NDF:3643706.2/57

All: 53.112+/-0.005 χ^2/NDF: 6417867.5/108

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 463.802+/-204.389 χ^2/NDF: 33.2/27

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -706.747+/-196.061 χ^2/NDF: 35.9/32

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

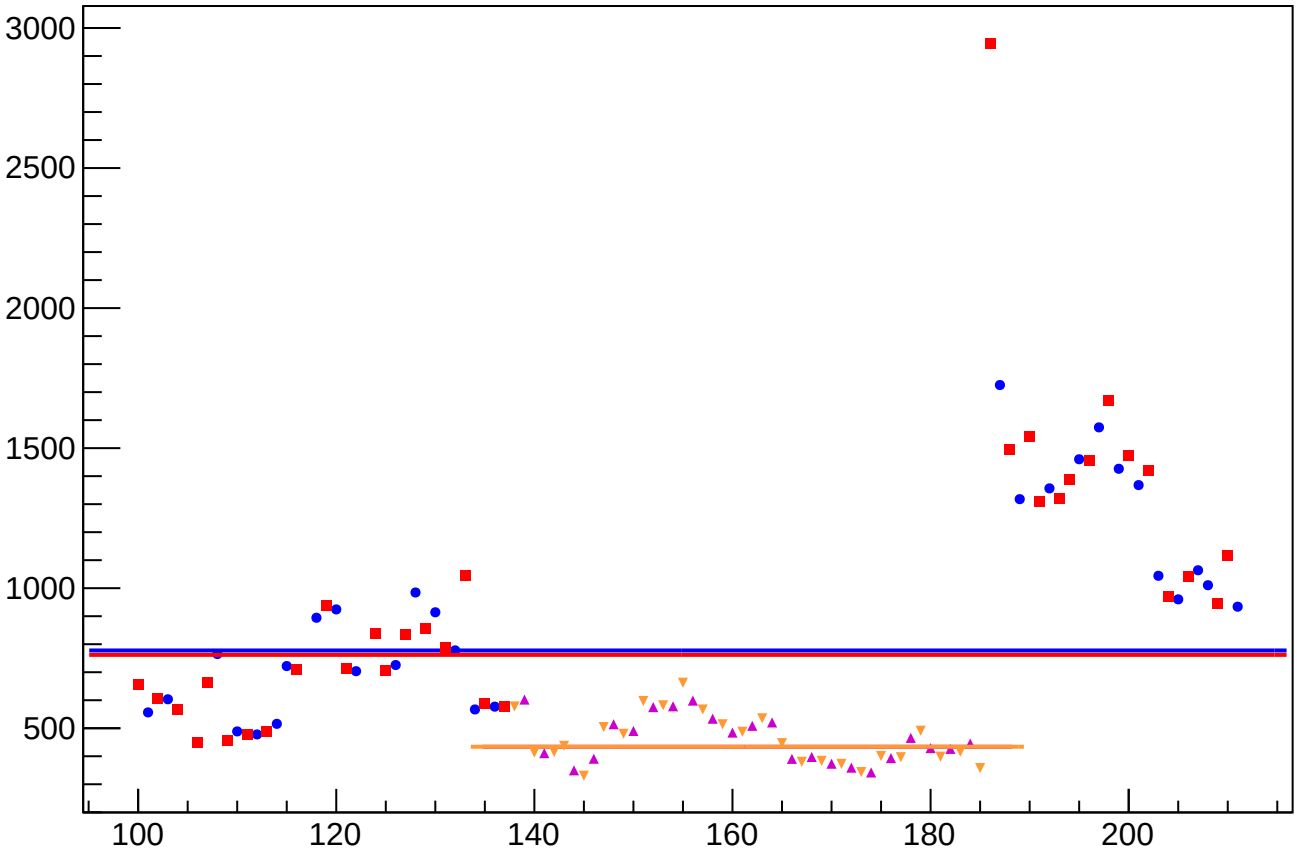
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -145.804+/-141.489 χ^2/NDF: 86.2/60

In: 33.810+/-92.072 χ^2/NDF:63.2/50

Out: 233.133+/-89.453 χ^2/NDF:134.1/57

All: 136.346+/-64.159 χ^2/NDF: 199.8/108



Right In: 777.644+/-0.145 χ^2/NDF: 4006510.7/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 761.908+/-0.139 χ^2/NDF: 5804523.7/32

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

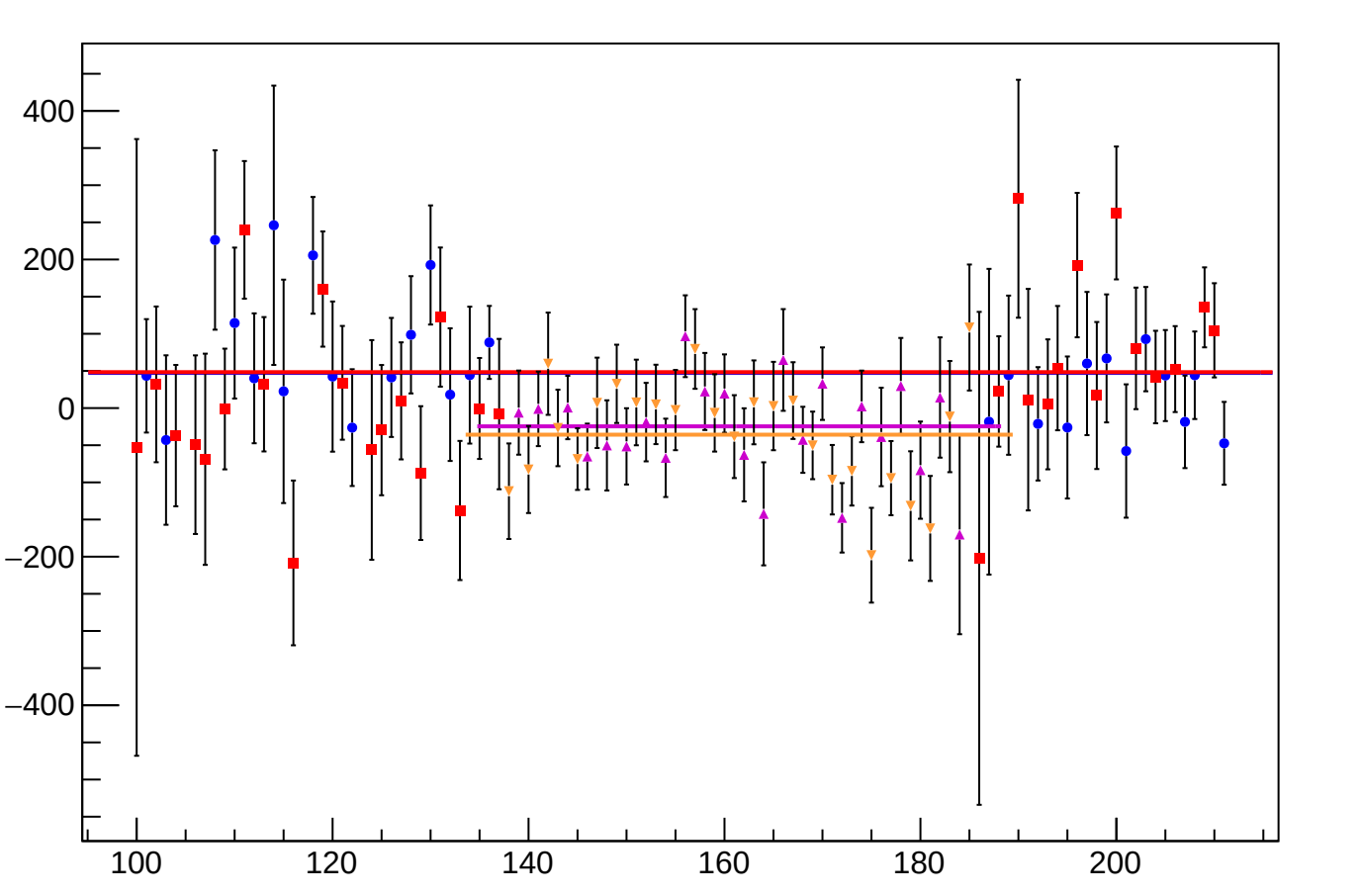
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 769.449+/-0.100 χ^2/NDF: 9817208.5/60

In: 503.513+/-0.065 χ^2/NDF:9615027.0/50

Out: 502.215+/-0.063 χ^2/NDF:11479526.3/57

All: 502.845+/-0.045 χ^2/NDF: 21094757.7/10



Right In: 47.343+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 48.367+/-15.217 χ^2/NDF: 38.4/32

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

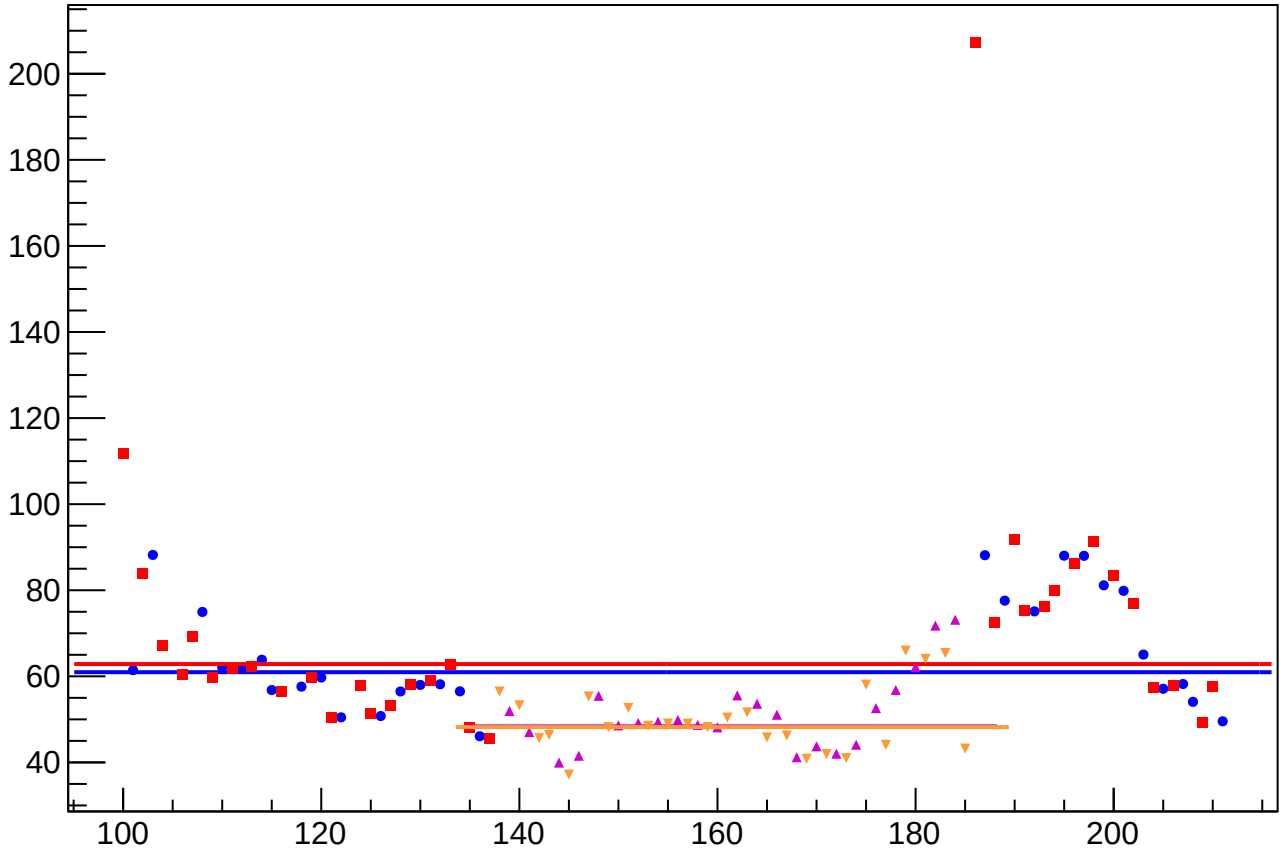
Right: 47.858+/-10.794 χ^2/NDF: 59.6/60

In: 1.275+/-9.181 χ^2/NDF:61.1/50

Out: -6.498+/-8.978 χ^2/NDF:92.0/57

All: -2.698+/-6.419 χ^2/NDF: 153.5/108

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 60.960+/-0.011 χ^2/NDF: 1212318.6/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.853+/-0.011 χ^2/NDF: 1649387.1/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

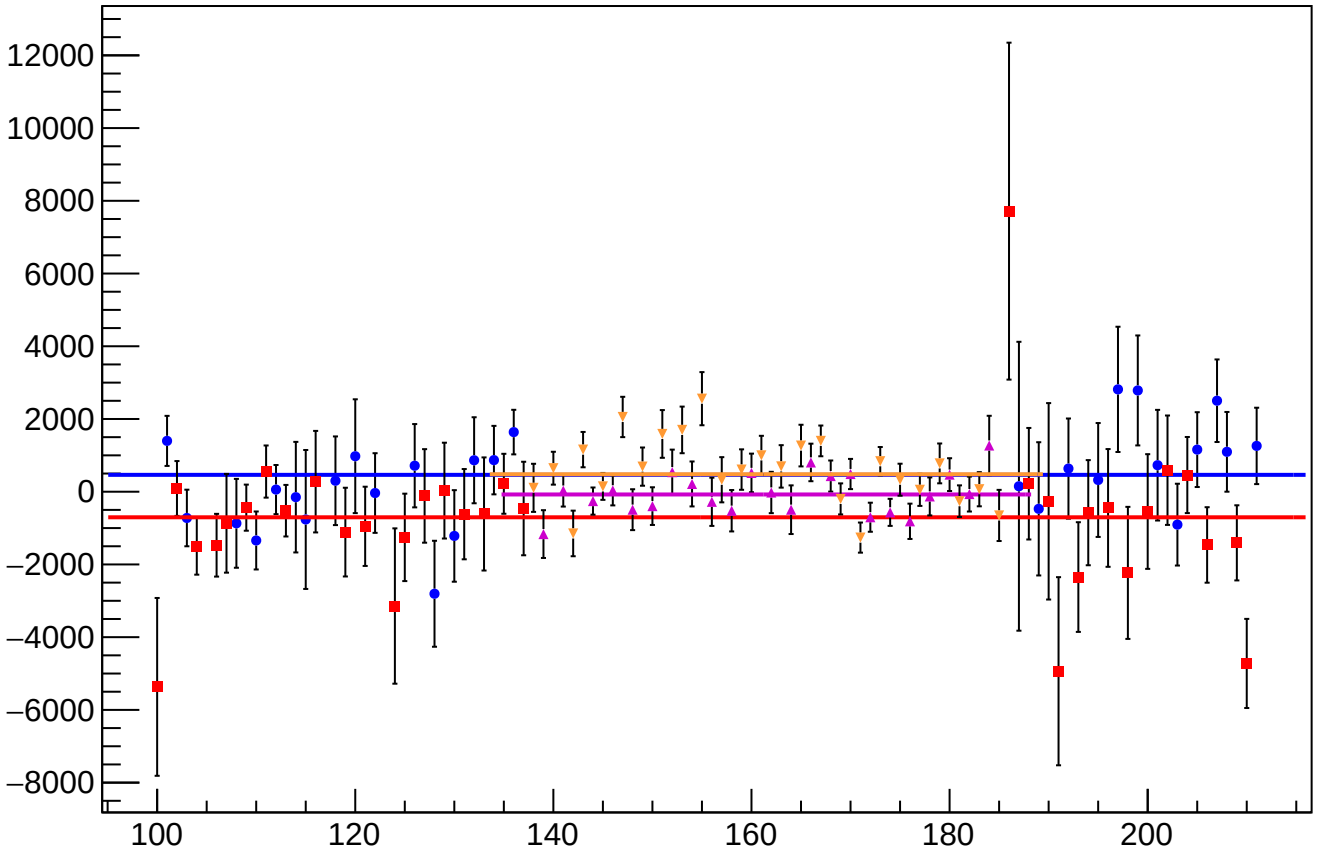
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 61.912+/-0.008 χ^2/NDF: 2877094.1/60

In: 52.902+/-0.006 χ^2/NDF:2772116.8/50

Out: 53.299+/-0.006 χ^2/NDF:3638930.2/57

All: 53.105+/-0.005 χ^2/NDF: 6412965.3/108



Right In: 463.831+/-204.390 χ^2/NDF: 33.2/27

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -703.417+/-197.030 χ^2/NDF: 35.9/32

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

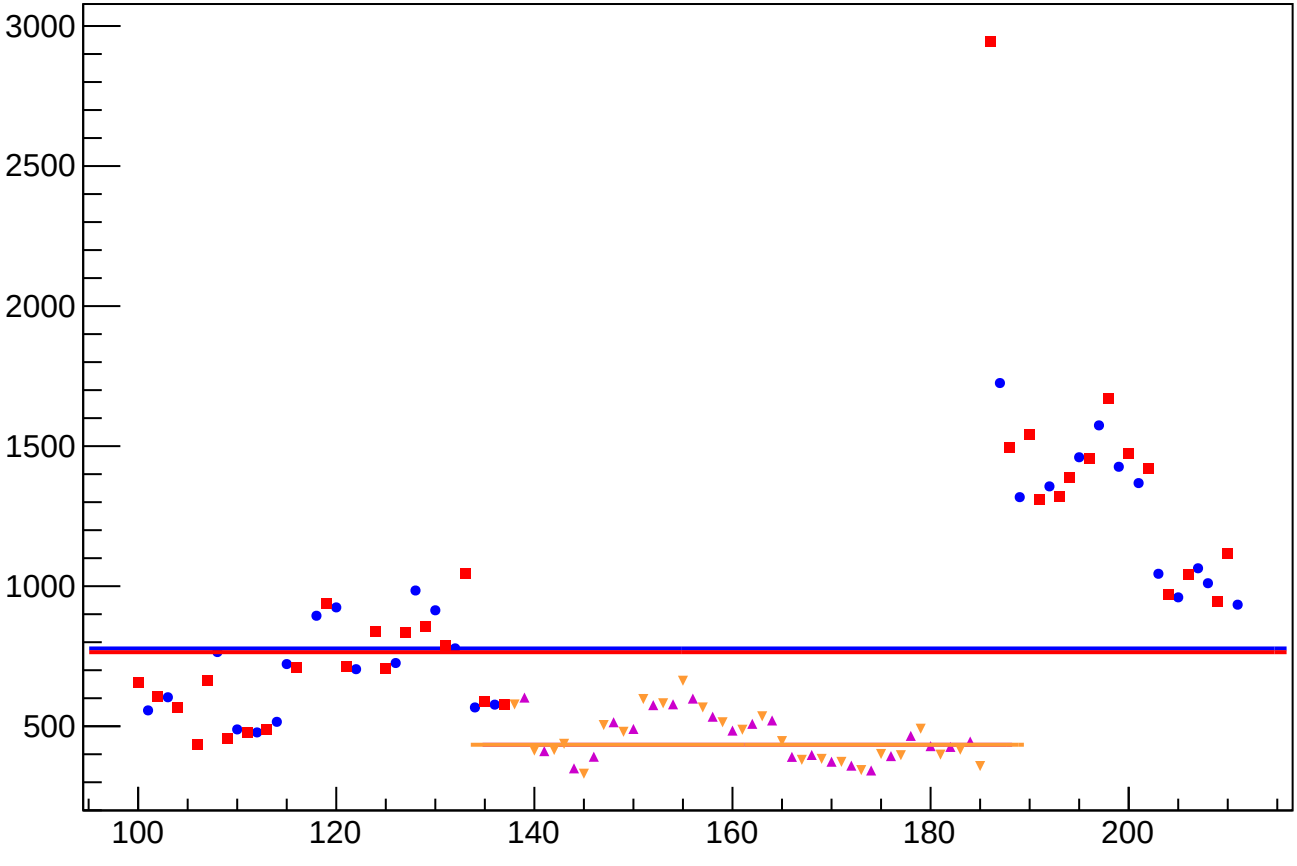
Right: -141.188+/-141.852 χ^2/NDF: 86.0/60

In: 33.812+/-92.072 χ^2/NDF:63.2/50

Out: 235.739+/-89.544 χ^2/NDF:133.7/57

All: 137.586+/-64.192 χ^2/NDF: 199.4/108

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 777.649+/-0.145 χ^2/NDF: 4006443.3/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 764.342+/-0.139 χ^2/NDF: 5776516.3/32

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

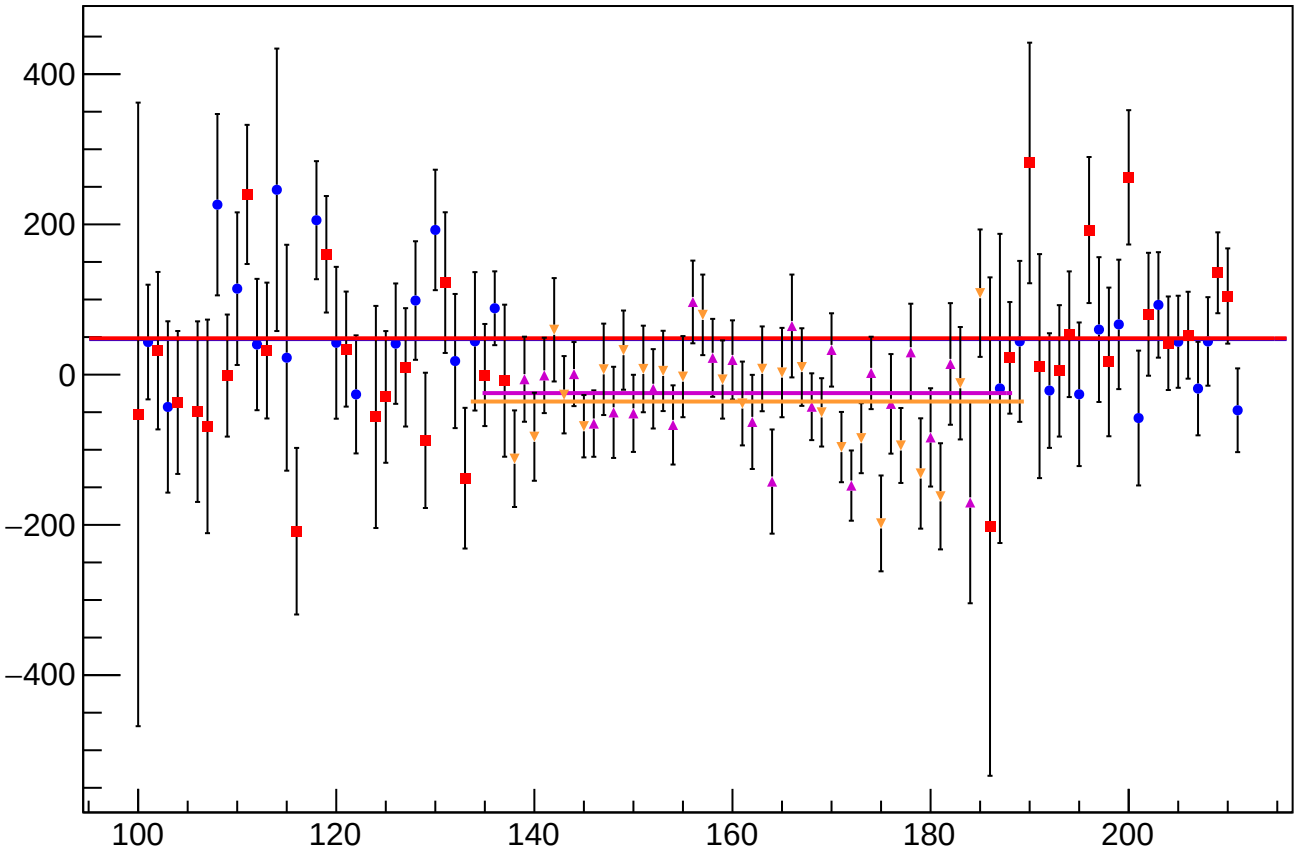
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 770.752+/-0.100 χ^2/NDF: 9787354.0/60

In: 503.513+/-0.065 χ^2/NDF:9615047.8/50

Out: 502.187+/-0.063 χ^2/NDF:11482540.5/57

All: 502.832+/-0.045 χ^2/NDF: 21097801.6/10



Right In: 47.343+/-15.314 χ^2/NDF: 21.2/27

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 48.367+/-15.217 χ^2/NDF: 38.4/32

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

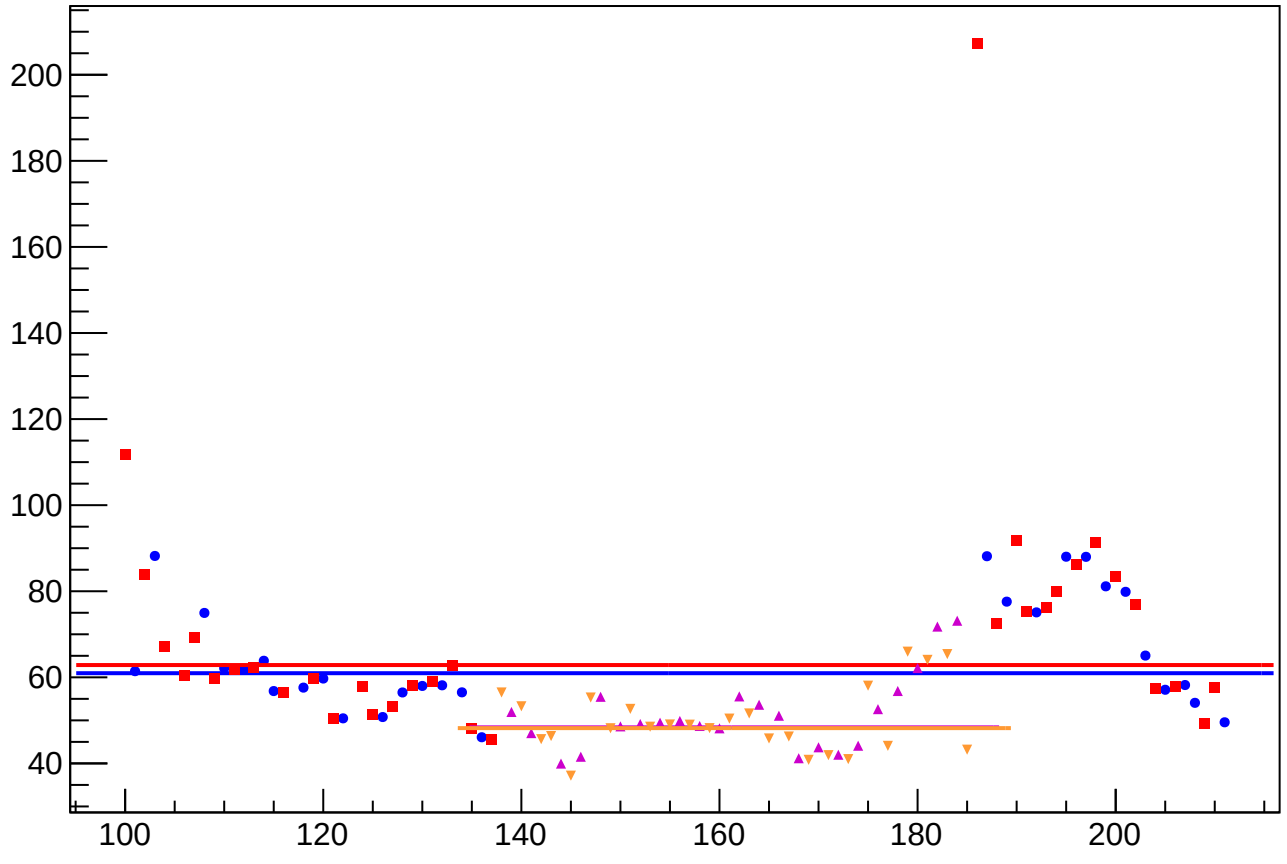
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 47.858+/-10.794 χ^2/NDF: 59.6/60

In: 1.275+/-9.181 χ^2/NDF:61.1/50

Out: -6.498+/-8.978 χ^2/NDF:92.0/57

All: -2.698+/-6.419 χ^2/NDF: 153.5/108



Right In: 60.960+/-0.011 χ^2/NDF: 1212318.6/27

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.853+/-0.011 χ^2/NDF: 1649387.1/32

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

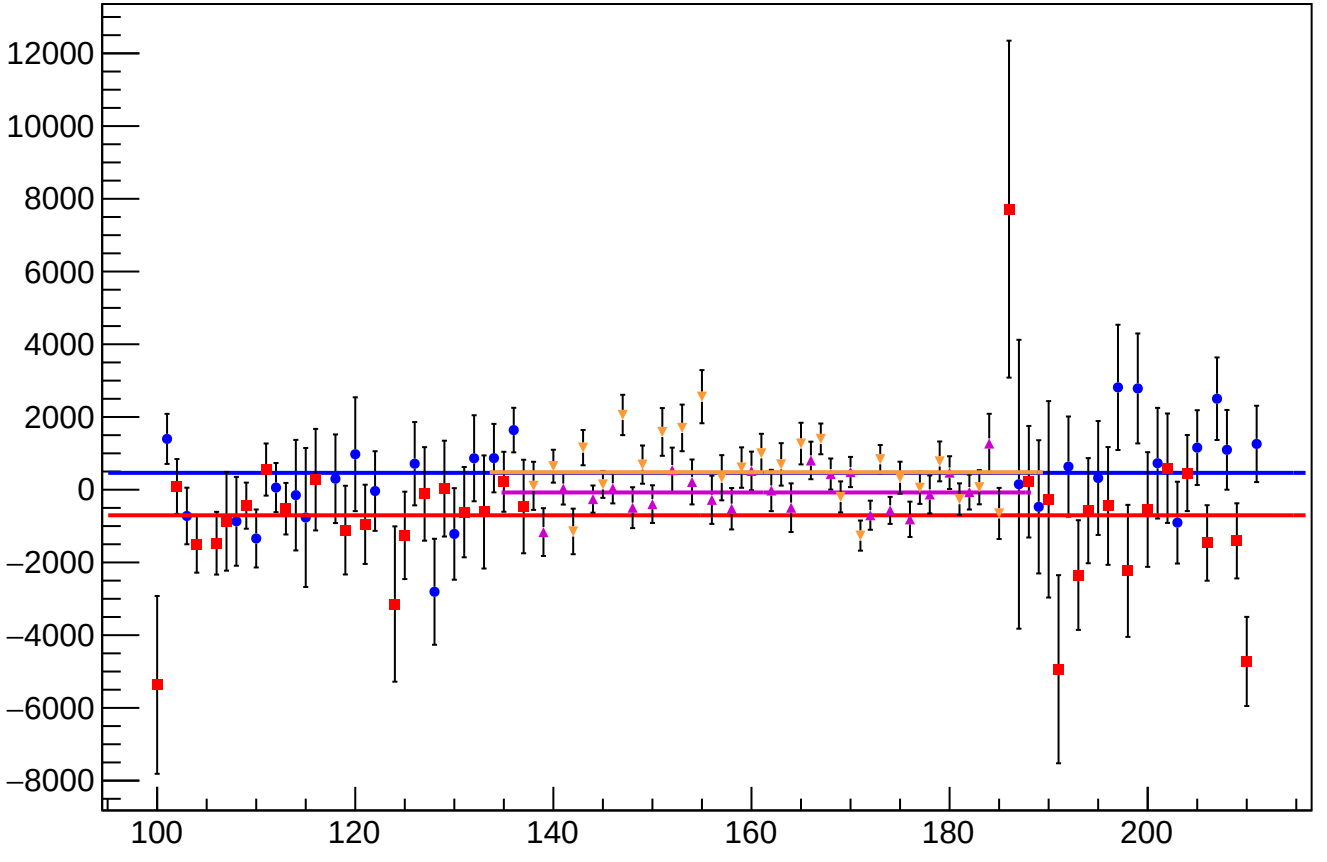
Right: 61.912+/-0.008 χ^2/NDF: 2877094.1/60

In: 52.902+/-0.006 χ^2/NDF:2772116.8/50

Out: 53.299+/-0.006 χ^2/NDF:3638930.2/57

All: 53.105+/-0.005 χ^2/NDF: 6412965.3/108

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 463.831+/-204.390 χ^2/NDF: 33.2/27

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -703.417+/-197.030 χ^2/NDF: 35.9/32

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

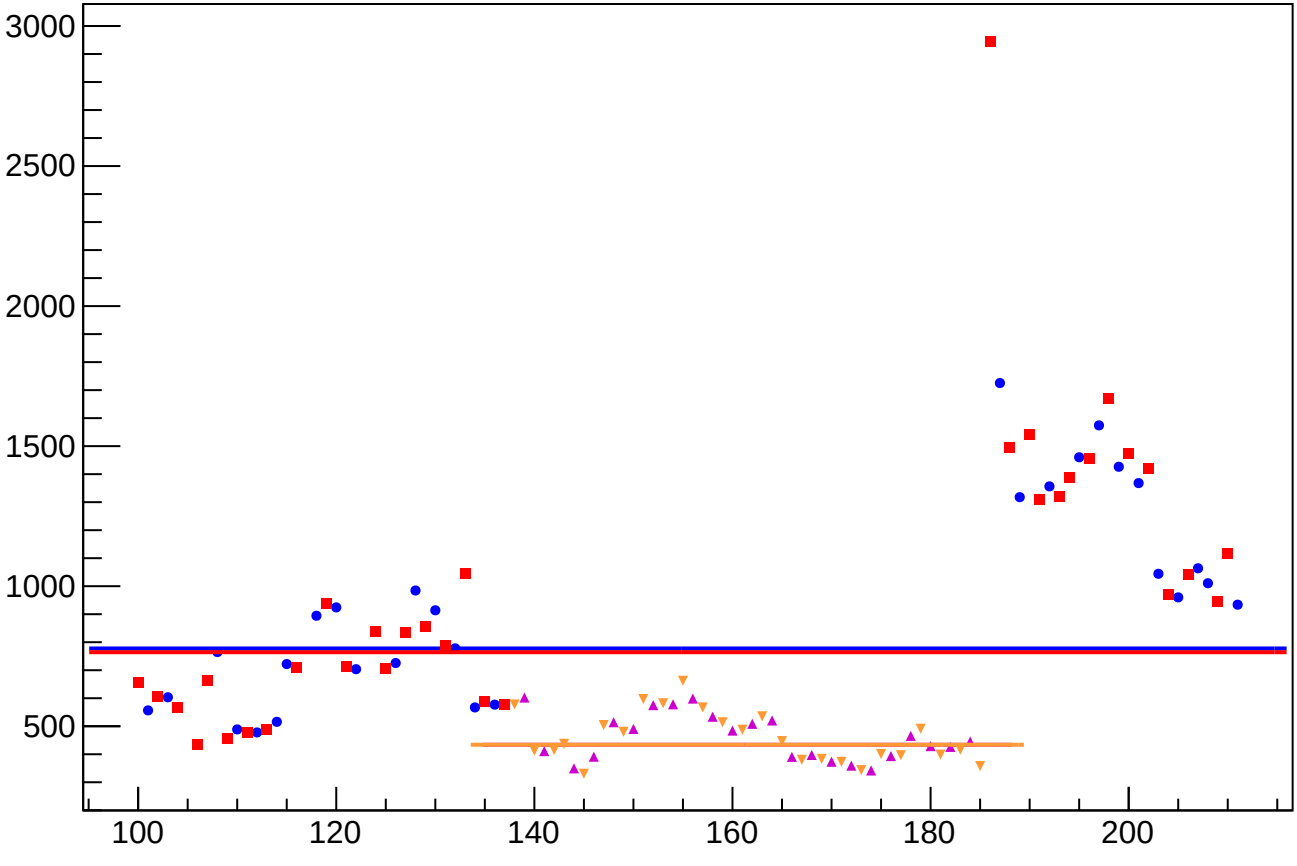
Right: -141.188+/-141.852 χ^2/NDF: 86.0/60

In: 33.812+/-92.072 χ^2/NDF:63.2/50

Out: 235.739+/-89.544 χ^2/NDF:133.7/57

All: 137.586+/-64.192 χ^2/NDF: 199.4/108

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 777.649+/-0.145 χ^2/NDF: 4006443.3/27

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 764.342+/-0.139 χ^2/NDF: 5776516.3/32

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

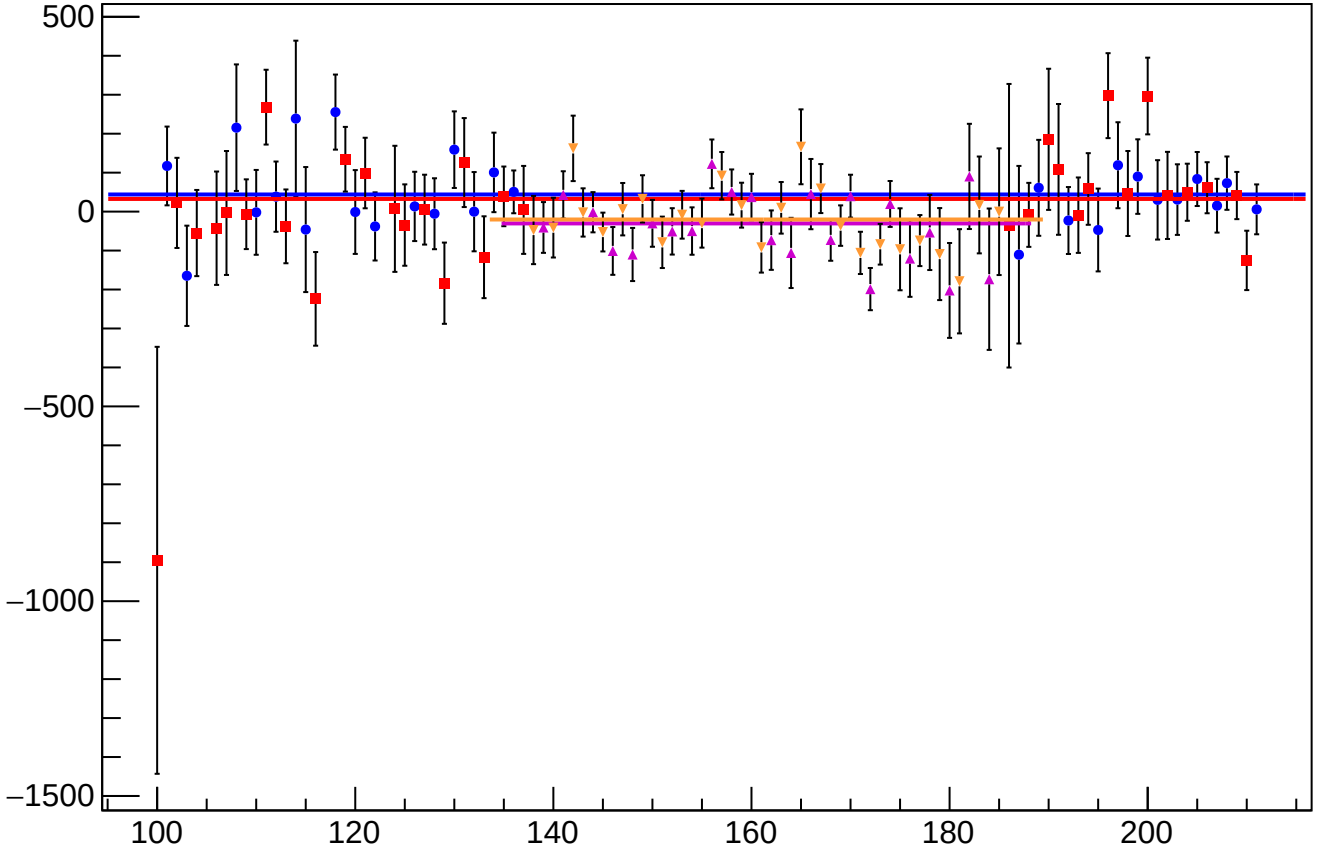
Right: 770.752+/-0.100 χ^2/NDF: 9787354.0/60

In: 503.513+/-0.065 χ^2/NDF:9615047.8/50

Out: 502.187+/-0.063 χ^2/NDF:11482540.5/57

All: 502.832+/-0.045 χ^2/NDF: 21097801.6/10

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 43.933+/-17.511 χ^2/NDF: 17.5/27

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 32.510+/-17.272 χ^2/NDF: 43.9/32

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

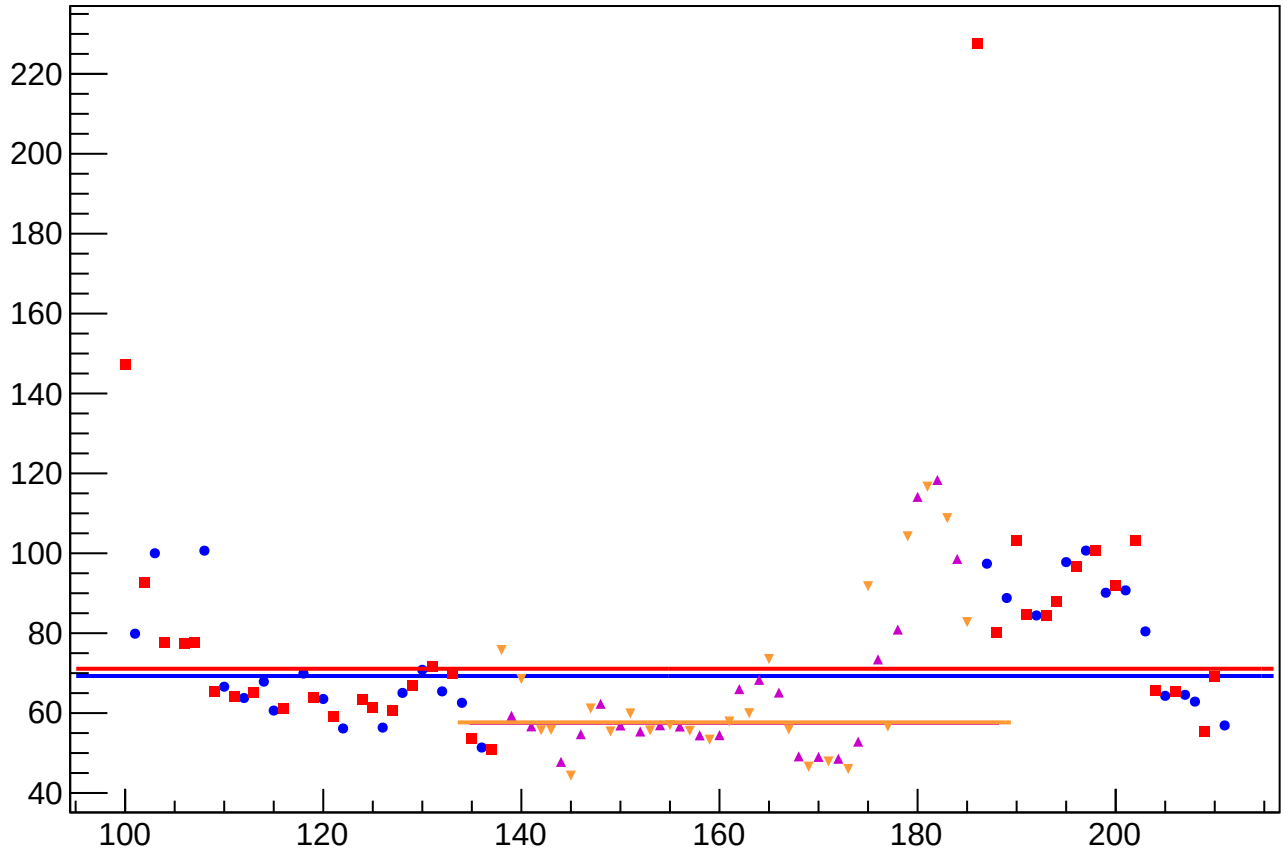
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 38.143+/-12.297 χ^2/NDF: 61.6/60

In: -1.418+/-10.925 χ^2/NDF:61.0/50

Out: -0.004+/-10.703 χ^2/NDF:74.8/57

All: -0.697+/-7.645 χ^2/NDF: 135.9/108



Right In: 69.283+/-0.012 χ^2/NDF: 1321608.0/27

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.098+/-0.012 χ^2/NDF: 1679360.7/32

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

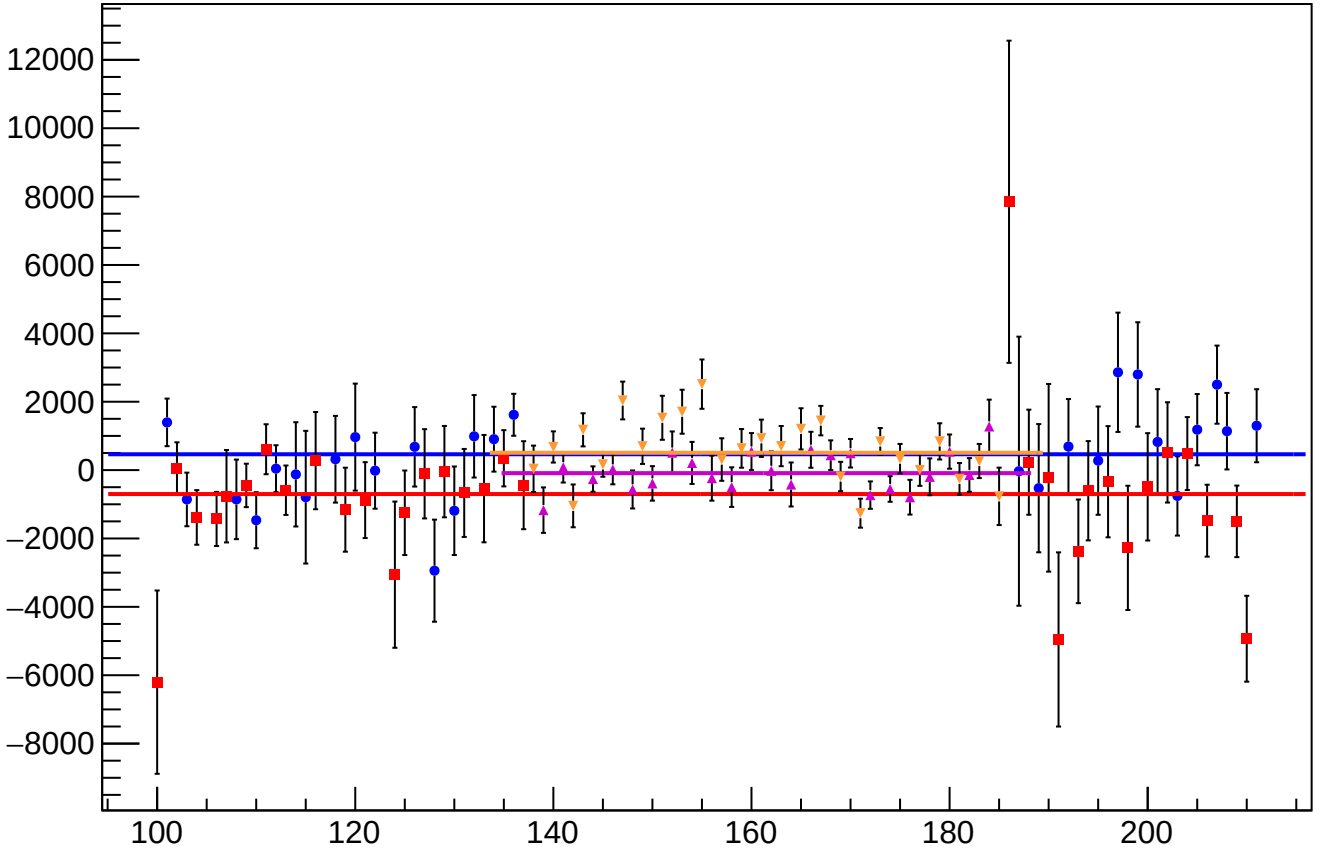
Right: 70.203+/-0.009 χ^2/NDF: 3011858.7/60

In: 62.110+/-0.008 χ^2/NDF:3314276.1/50

Out: 62.825+/-0.008 χ^2/NDF:4333940.5/57

All: 62.475+/-0.005 χ^2/NDF: 7652582.2/108

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 463.024+/-206.854 χ^2/NDF: 33.9/27

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -700.653+/-198.025 χ^2/NDF: 37.3/32

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

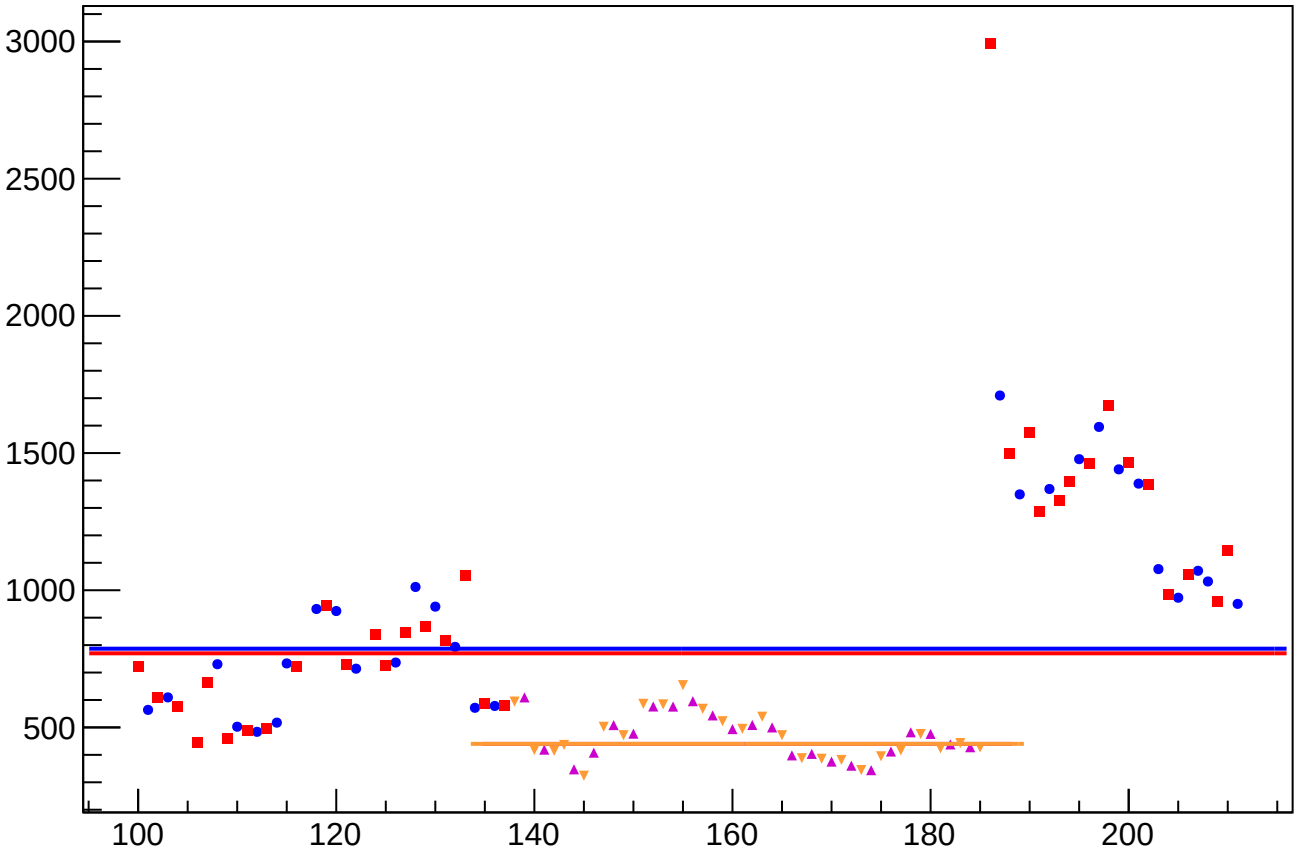
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -144.179+/-143.044 χ^2/NDF: 87.7/60

In: 23.731+/-93.303 χ^2/NDF:62.8/50

Out: 254.789+/-90.521 χ^2/NDF:132.6/57

All: 142.757+/-64.969 χ^2/NDF: 198.5/108



Right In: 786.950+/-0.146 χ^2/NDF: 4045675.9/27

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 770.089+/-0.140 χ^2/NDF: 5768669.9/32

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

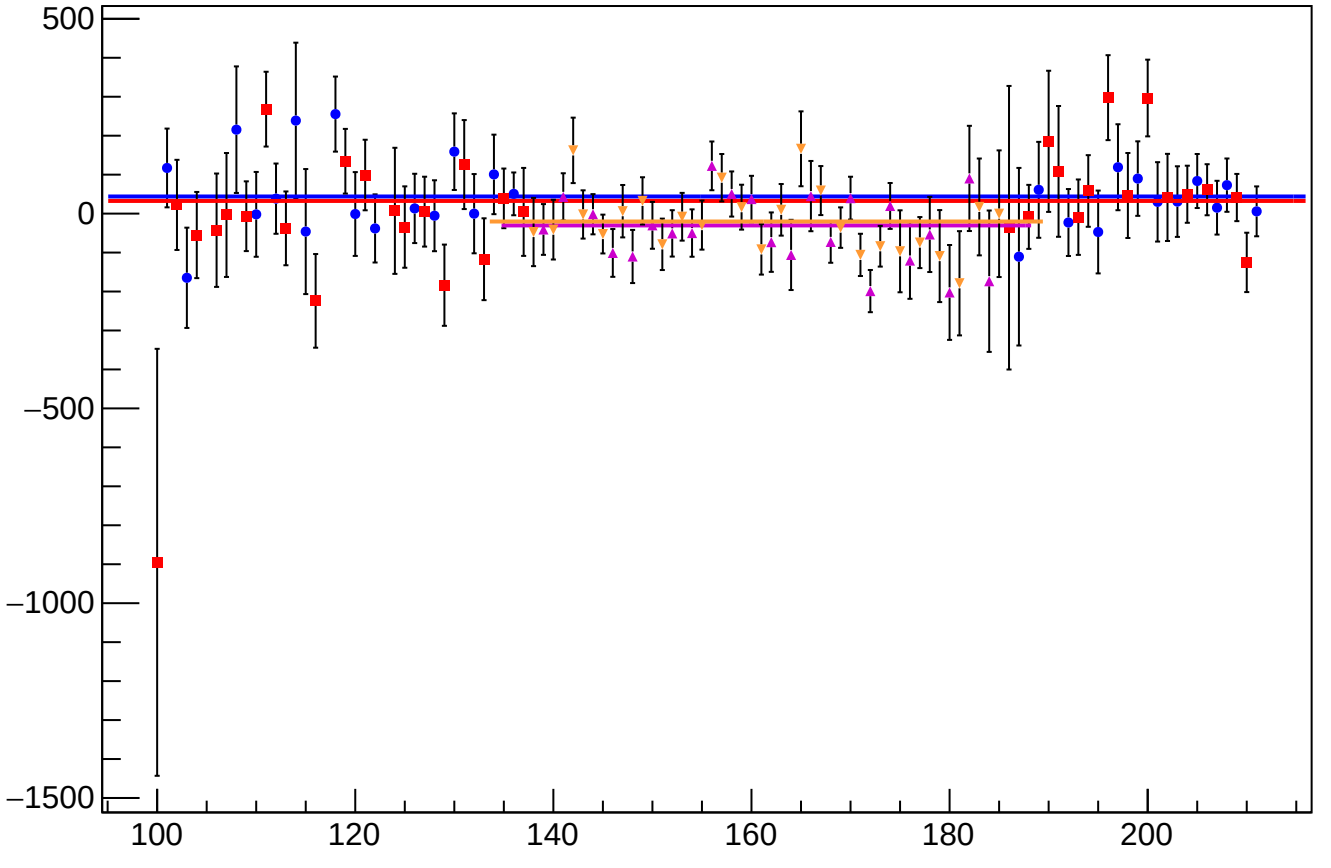
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 778.152+/-0.101 χ^2/NDF: 9821279.2/60

In: 510.490+/-0.066 χ^2/NDF:9592494.0/50

Out: 509.033+/-0.064 χ^2/NDF:11359596.4/57

All: 509.739+/-0.046 χ^2/NDF: 20952341.4/10



Right In: 43.931+/-17.511 χ^2/NDF: 17.5/27

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 32.511+/-17.272 χ^2/NDF: 43.9/32

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

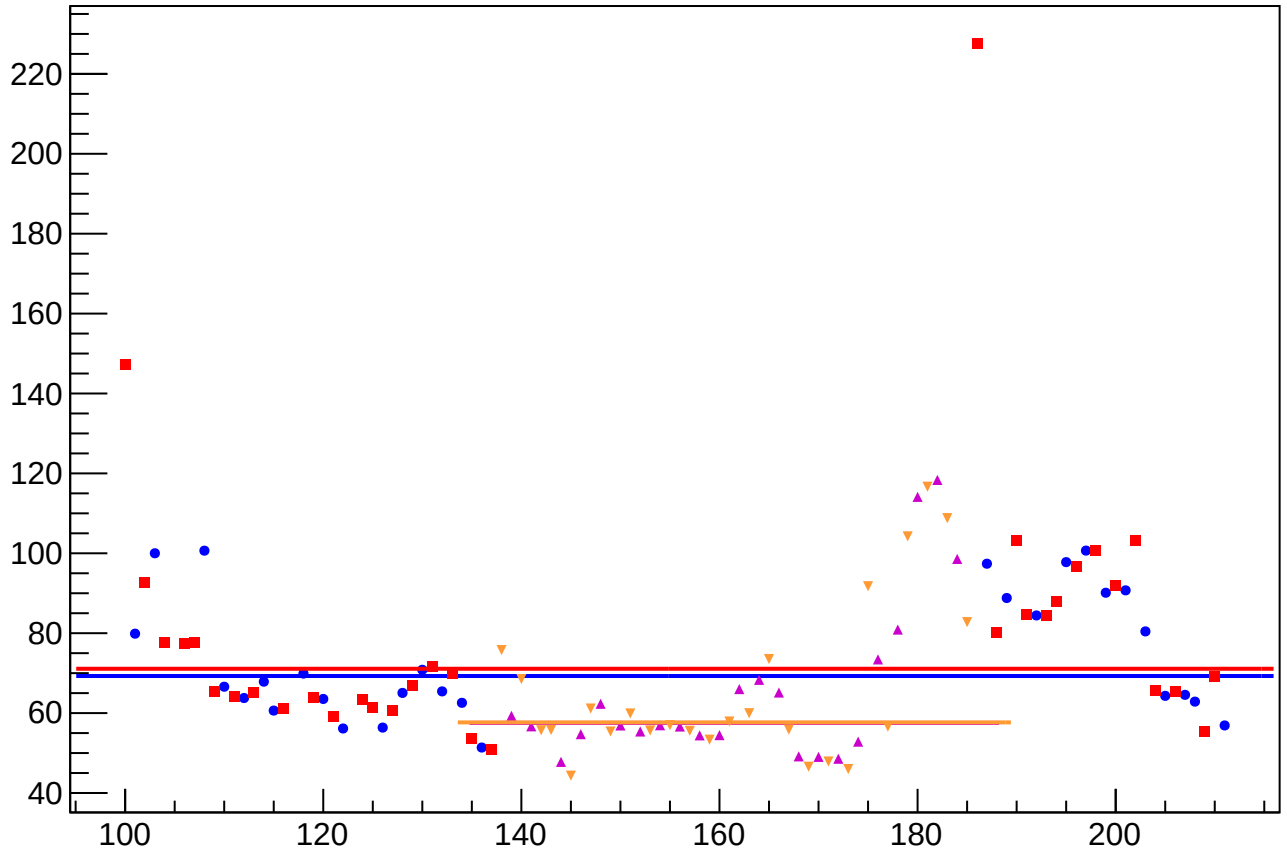
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 38.143+/-12.297 χ^2/NDF: 61.6/60

In: -1.419+/-10.925 χ^2/NDF:61.0/50

Out: -0.004+/-10.703 χ^2/NDF:74.8/57

All: -0.697+/-7.645 χ^2/NDF: 135.9/108



Right In: 69.283+/-0.012 χ^2/NDF: 1321584.9/27

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 71.098+/-0.012 χ^2/NDF: 1679366.2/32

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

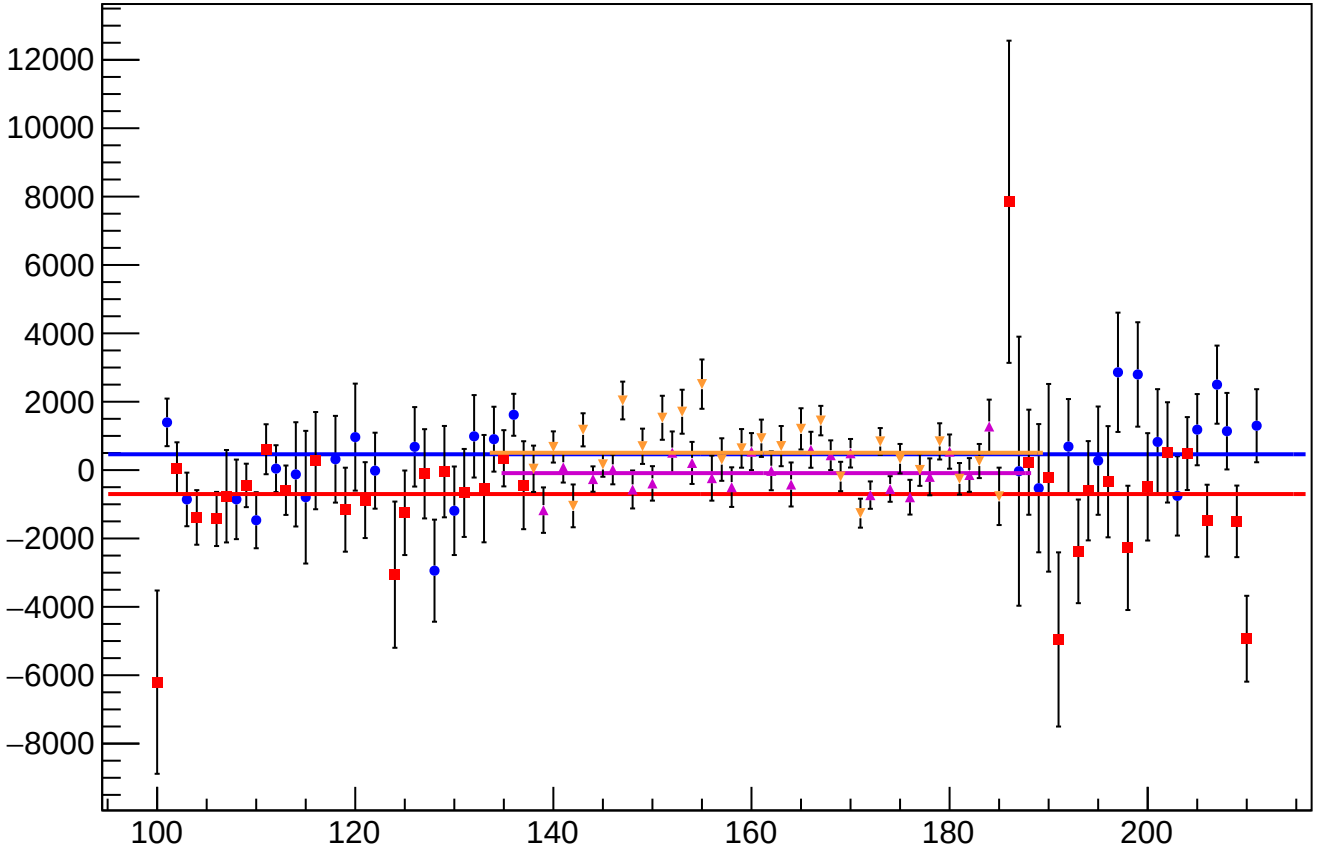
Right: 70.203+/-0.009 χ^2/NDF: 3011840.6/60

In: 62.110+/-0.008 χ^2/NDF:3314231.3/50

Out: 62.825+/-0.008 χ^2/NDF:4333925.2/57

All: 62.475+/-0.005 χ^2/NDF: 7652522.6/108

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 463.022+/-206.854 χ^2/NDF: 33.9/27

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -700.652+/-198.025 χ^2/NDF: 37.3/32

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

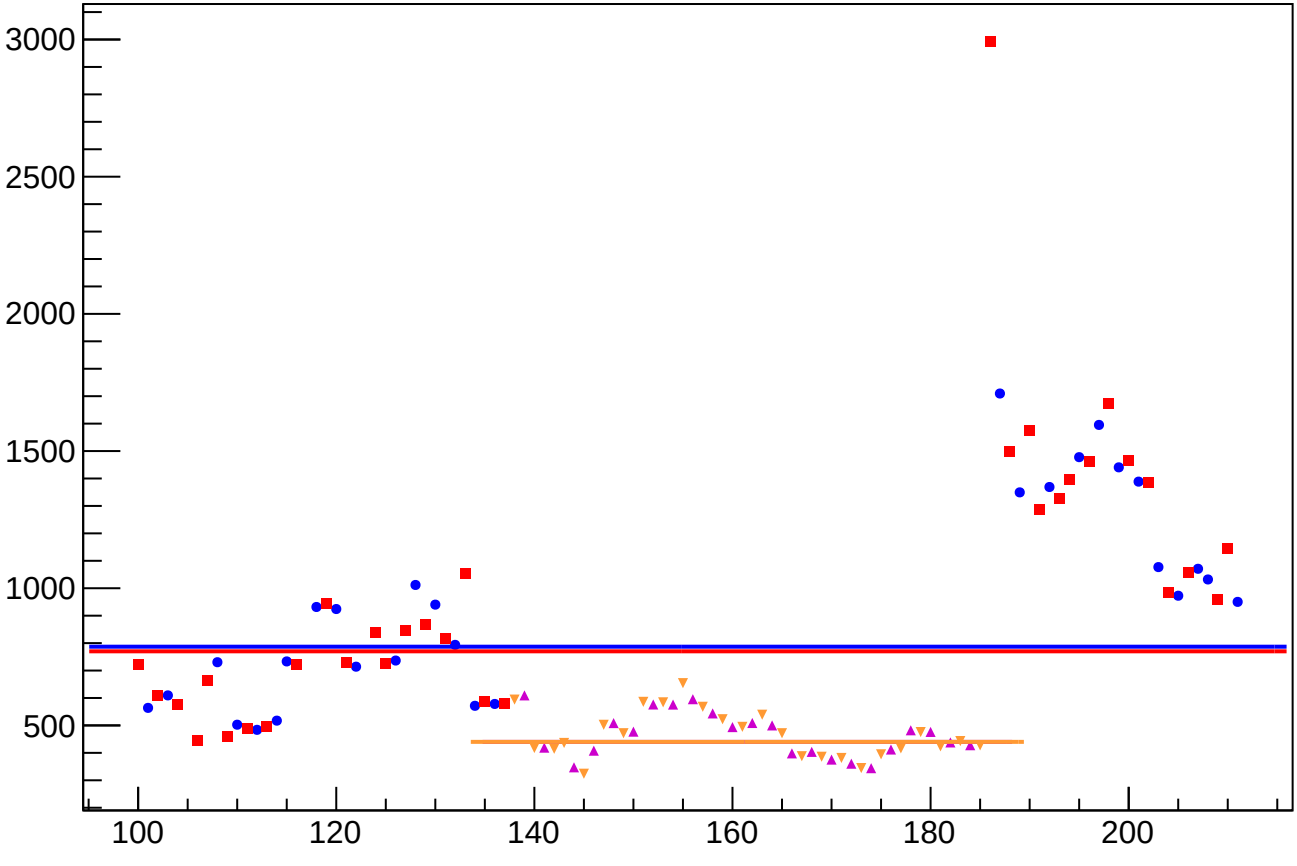
Right: -144.179+/-143.044 χ^2/NDF: 87.7/60

In: 23.731+/-93.303 χ^2/NDF:62.8/50

Out: 254.789+/-90.520 χ^2/NDF:132.6/57

All: 142.756+/-64.969 χ^2/NDF: 198.5/108

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 786.949+/-0.146 χ^2/NDF: 4045682.4/27

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 770.088+/-0.140 χ^2/NDF: 5768675.1/32

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

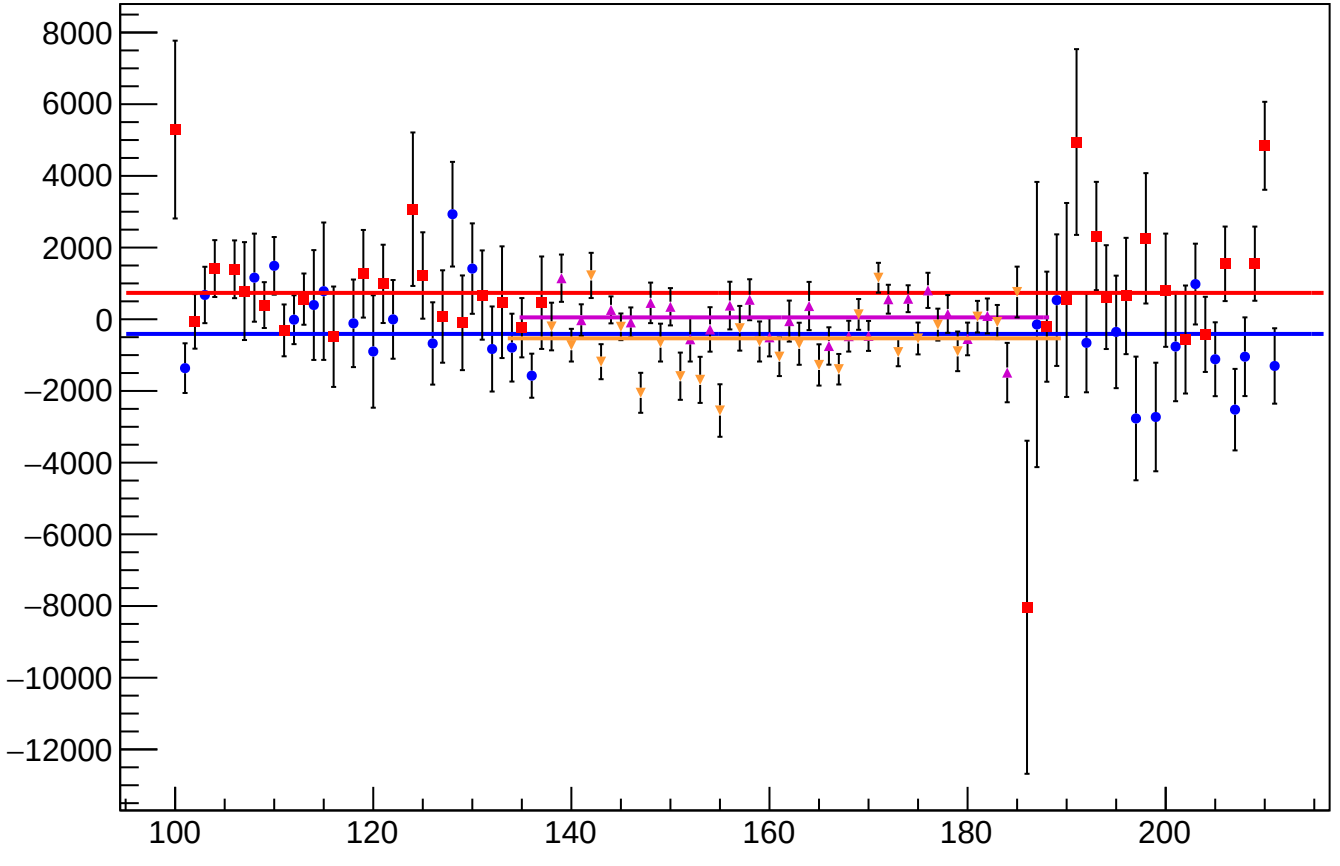
Right: 778.151+/-0.101 χ^2/NDF: 9821290.9/60

In: 510.488+/-0.066 χ^2/NDF:9592528.3/50

Out: 509.032+/-0.064 χ^2/NDF:11359627.6/57

All: 509.738+/-0.046 χ^2/NDF: 20952406.7/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -409.094+/-205.320 χ^2/NDF: 34.6/27

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 735.629+/-197.199 χ^2/NDF: 35.5/32

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

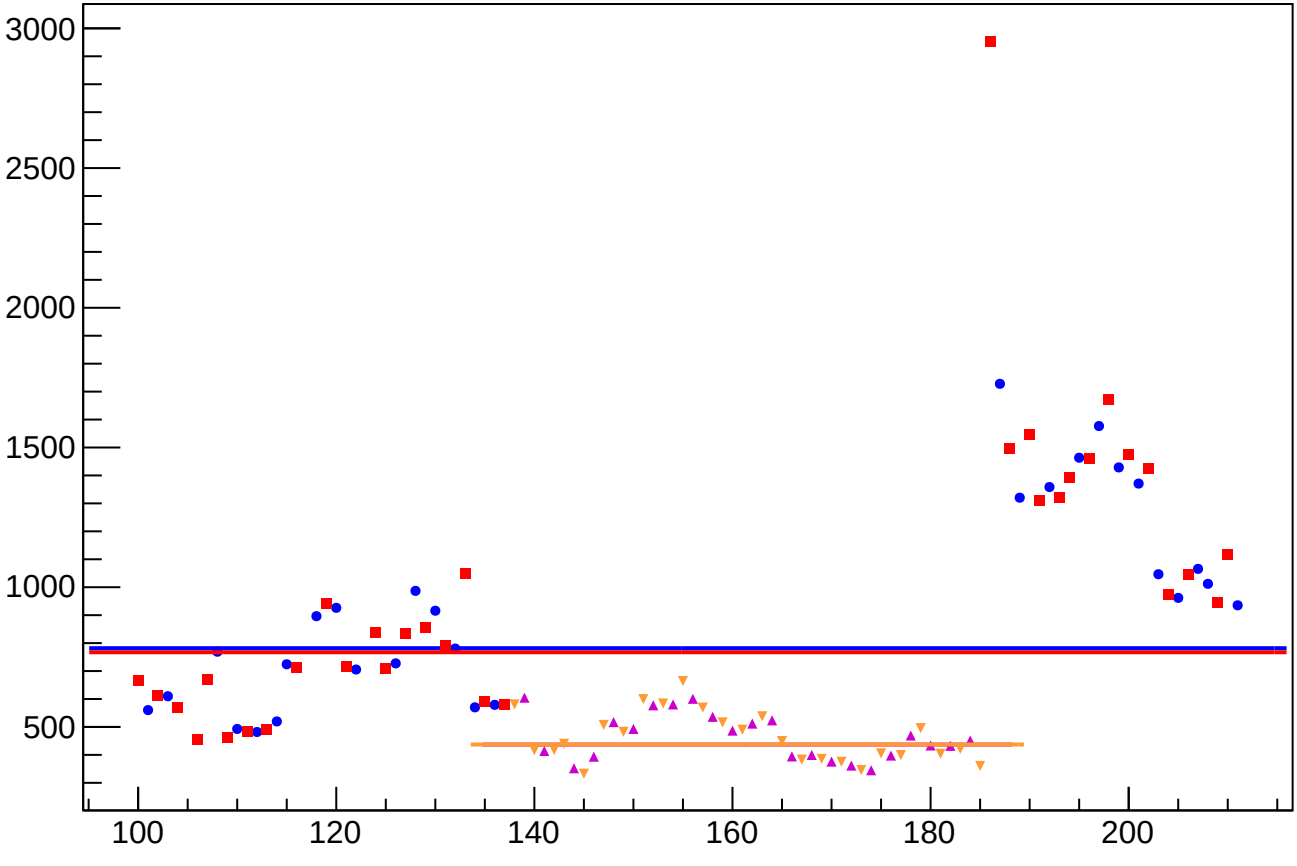
Right: 186.353+/-142.225 χ^2/NDF: 86.4/60

In: -41.519+/-92.685 χ^2/NDF:62.7/50

Out: -267.222+/-90.068 χ^2/NDF:133.8/57

All: -157.601+/-64.593 χ^2/NDF: 199.6/108

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 781.820+/-0.145 χ^2/NDF: 3960946.6/27

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 767.316+/-0.139 χ^2/NDF: 5725874.3/32

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

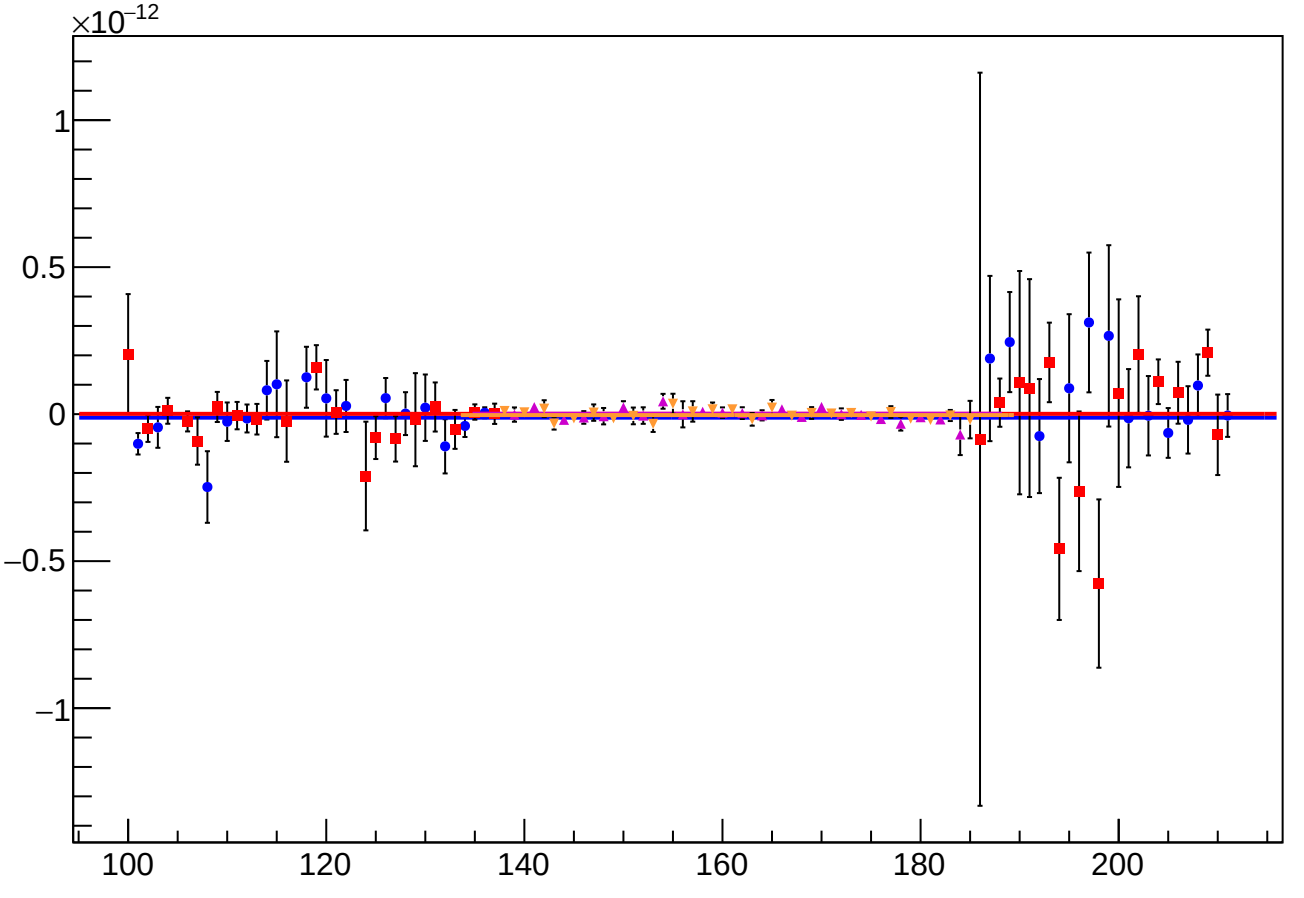
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 774.276+/-0.101 χ^2/NDF: 9692012.3/60

In: 507.216+/-0.066 χ^2/NDF:9534082.0/50

Out: 506.030+/-0.064 χ^2/NDF:11390018.2/57

All: 506.606+/-0.046 χ^2/NDF: 20924268.5/10



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/32

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

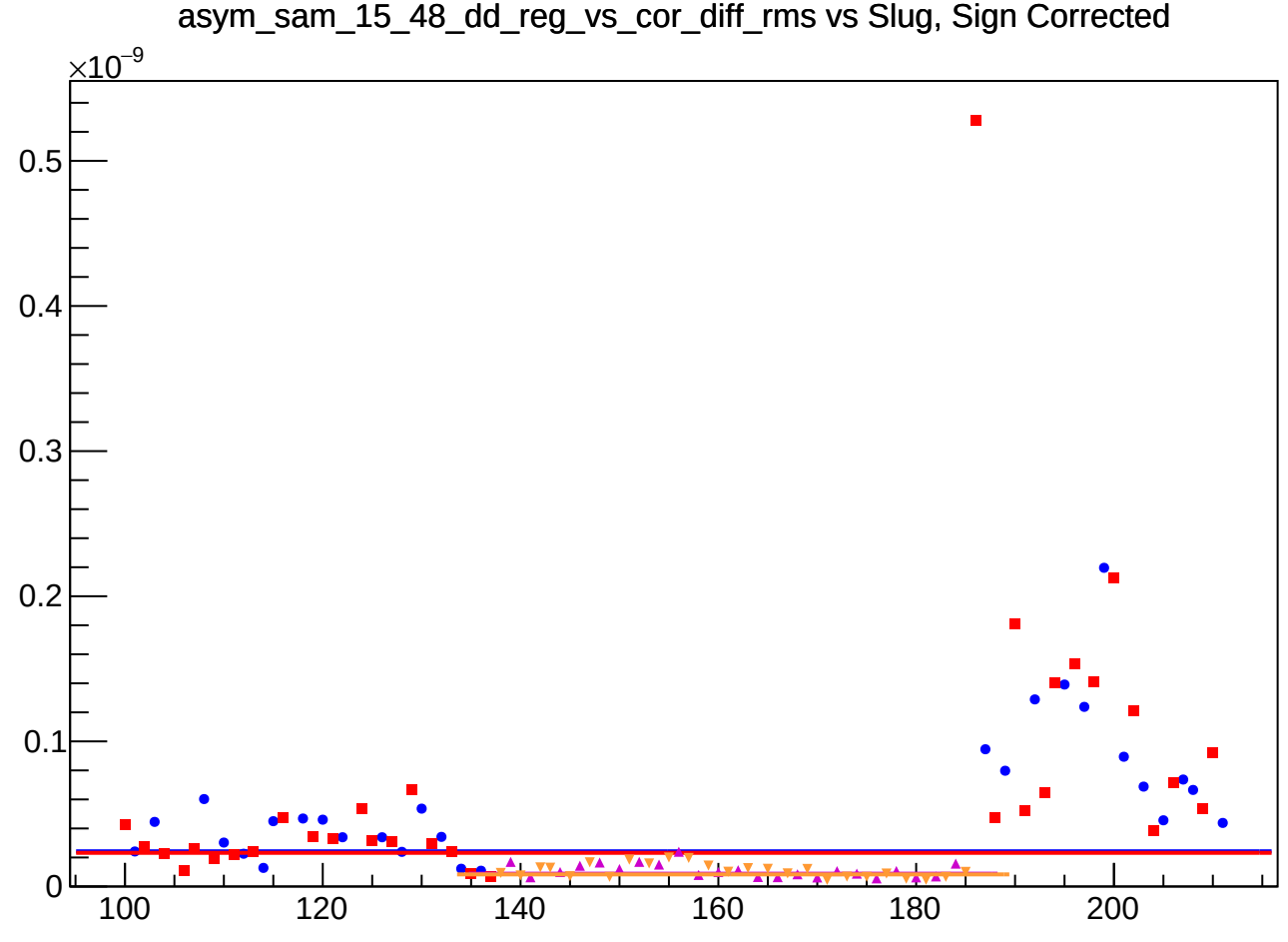
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/60

In: 0.000+/-0.000 χ^2/NDF:47.4/50

Out: -0.000+/-0.000 χ^2/NDF:49.5/57

All: -0.000+/-0.000 χ^2/NDF: 97.2/108



Right In: 0.000+/-0.000 χ^2/NDF: 6000306.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6579332.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

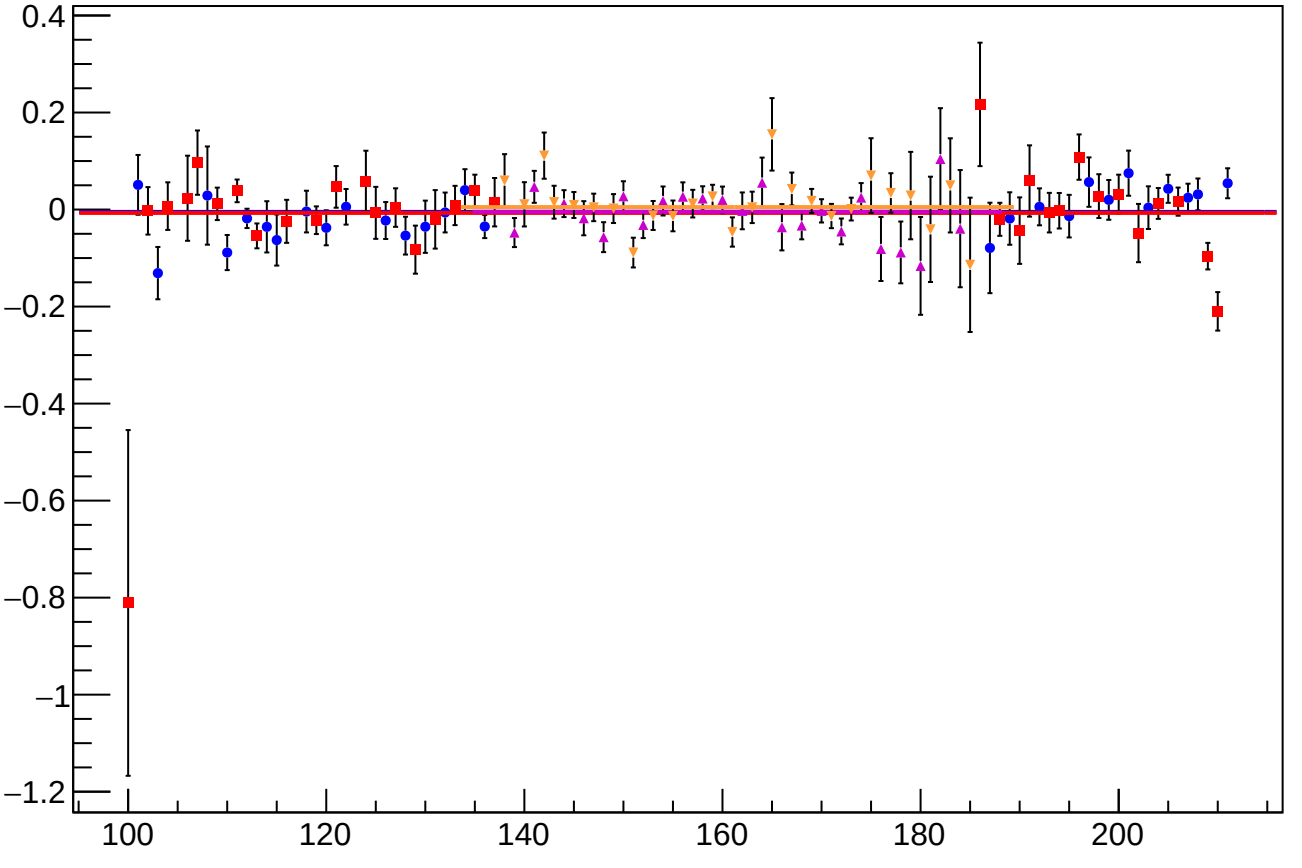
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12587655.3/60

In: 0.000+/-0.000 χ^2/NDF:10691442.2/50

Out: 0.000+/-0.000 χ^2/NDF:11847320.9/57

All: 0.000+/-0.000 χ^2/NDF: 22569791.2/108



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

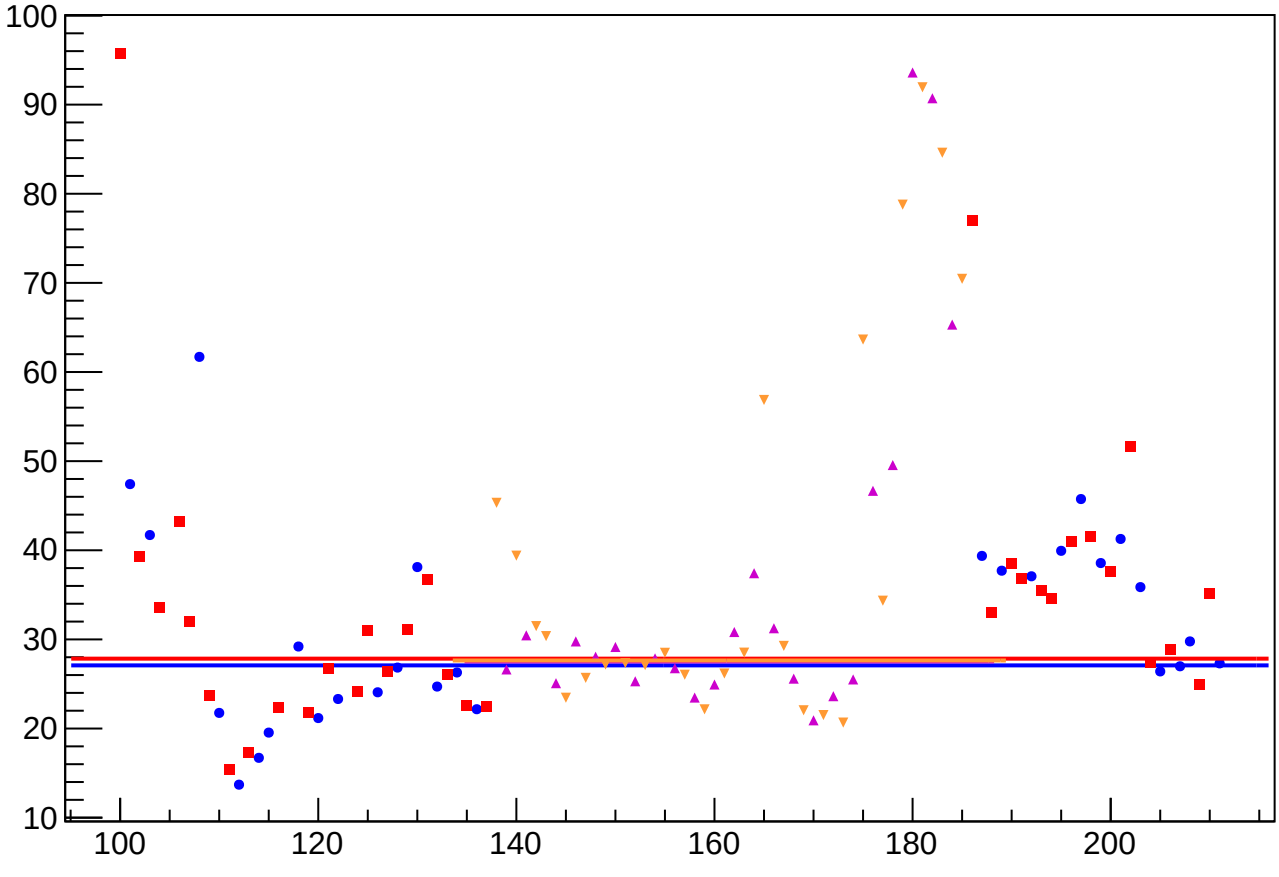
Right: -0.006+/-0.005 χ^2/NDF: 107.0/60

In: -0.005+/-0.005 χ^2/NDF:58.8/50

Out: -0.001+/-0.005 χ^2/NDF:103.2/57

All: -0.003+/-0.004 χ^2/NDF: 162.3/108

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.086+/-0.005 χ^2/NDF: 3057913.9/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.841+/-0.005 χ^2/NDF: 2912996.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

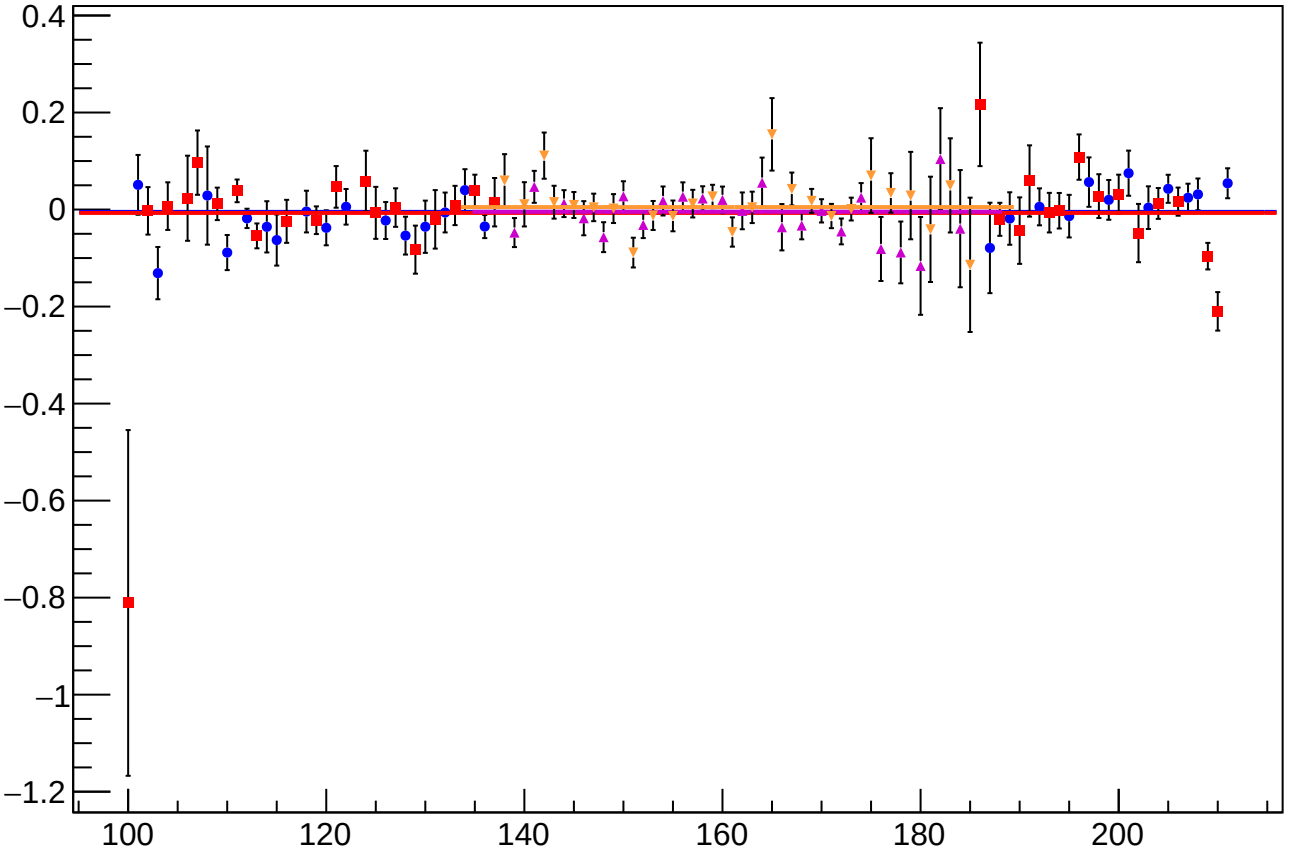
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.472+/-0.004 χ^2/NDF: 5982208.7/60

In: 27.311+/-0.004 χ^2/NDF:5696284.0/50

Out: 27.735+/-0.003 χ^2/NDF:6887967.9/57

All: 27.528+/-0.002 χ^2/NDF: 12591568.4/108



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

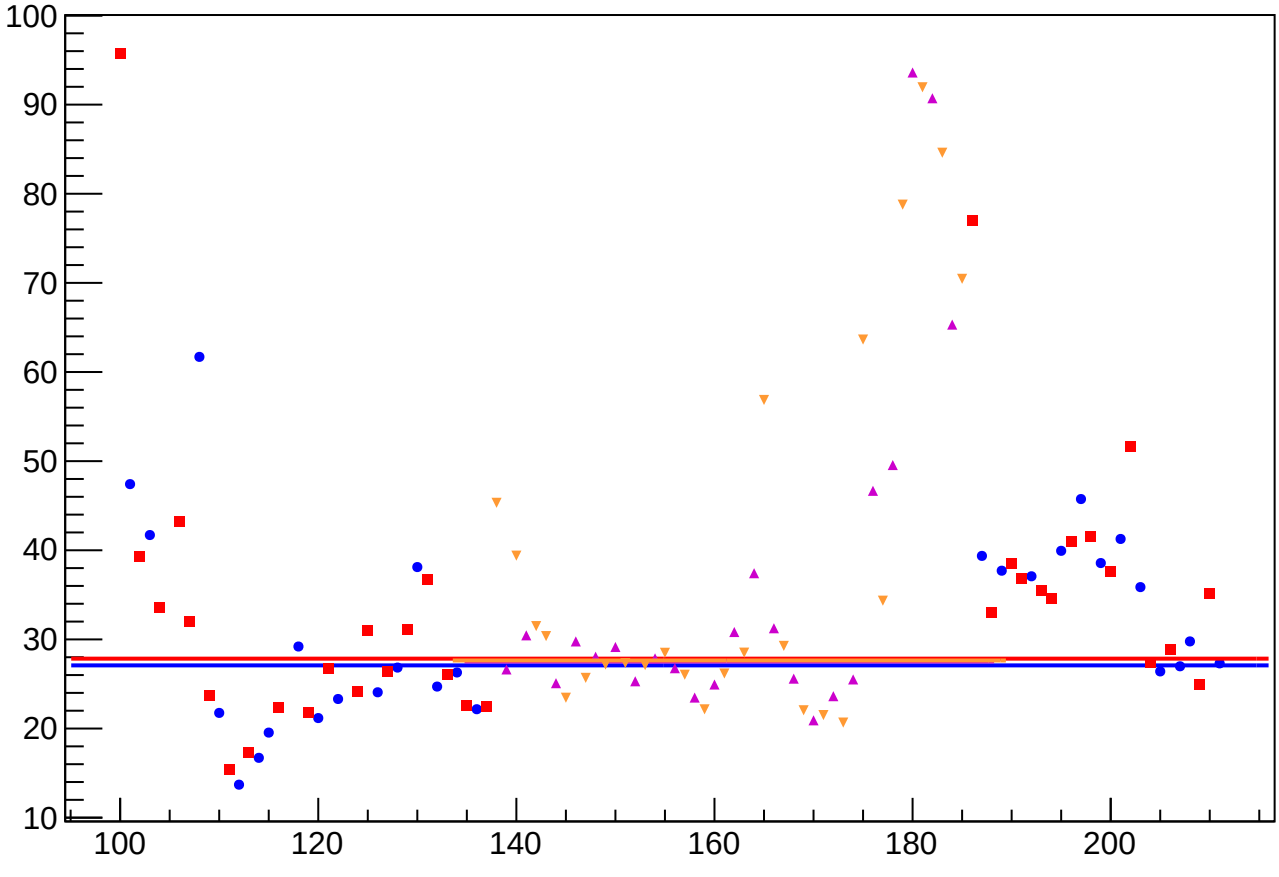
Right: -0.006+/-0.005 χ^2/NDF: 107.0/60

In: -0.005+/-0.005 χ^2/NDF:58.8/50

Out: -0.001+/-0.005 χ^2/NDF:103.2/57

All: -0.003+/-0.004 χ^2/NDF: 162.3/108

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.086+/-0.005 χ^2/NDF: 3057913.9/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.841+/-0.005 χ^2/NDF: 2912996.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

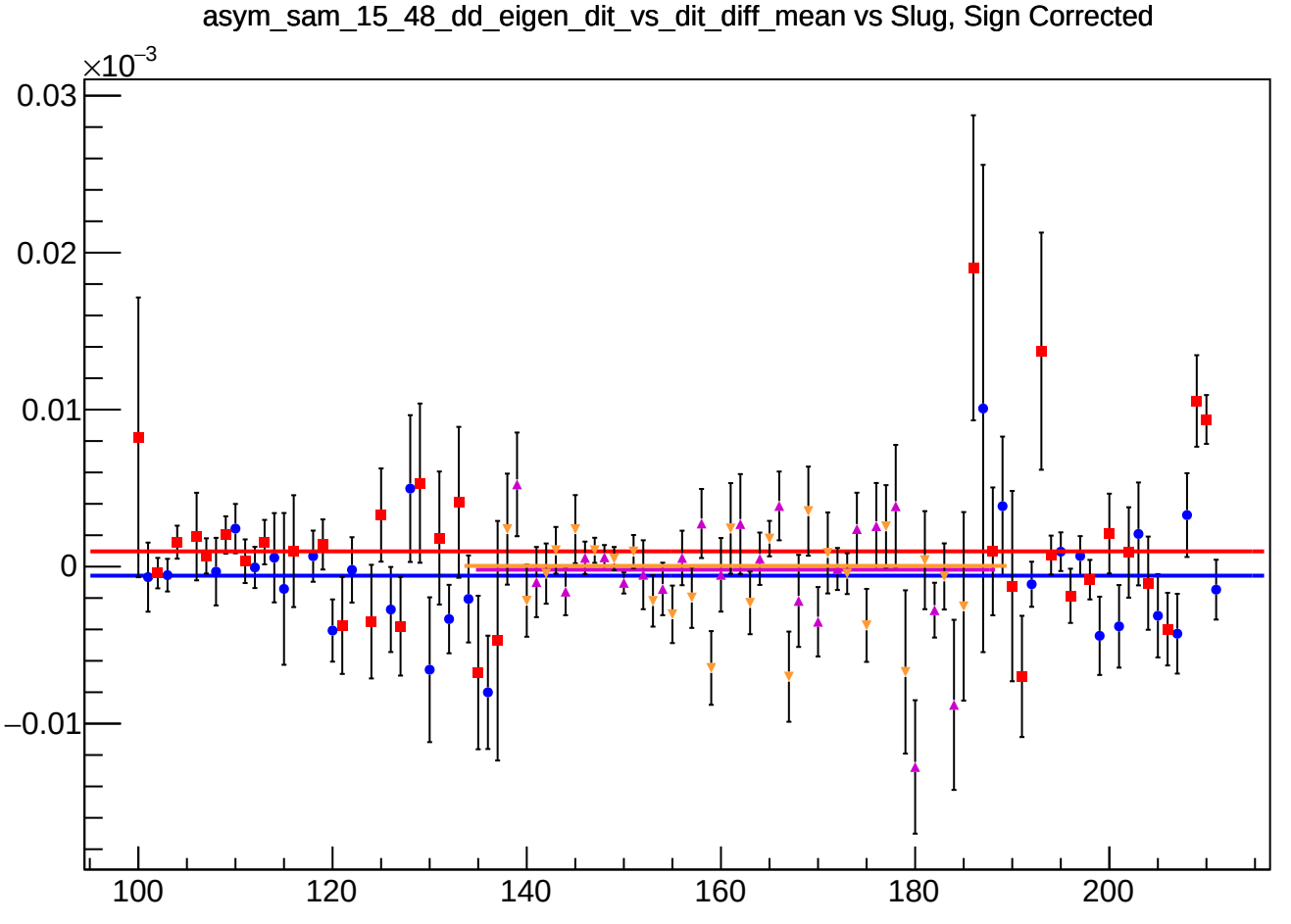
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.472+/-0.004 χ^2/NDF: 5982208.7/60

In: 27.311+/-0.004 χ^2/NDF:5696284.0/50

Out: 27.735+/-0.003 χ^2/NDF:6887967.9/57

All: 27.528+/-0.002 χ^2/NDF: 12591568.4/108



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 76.2/32

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

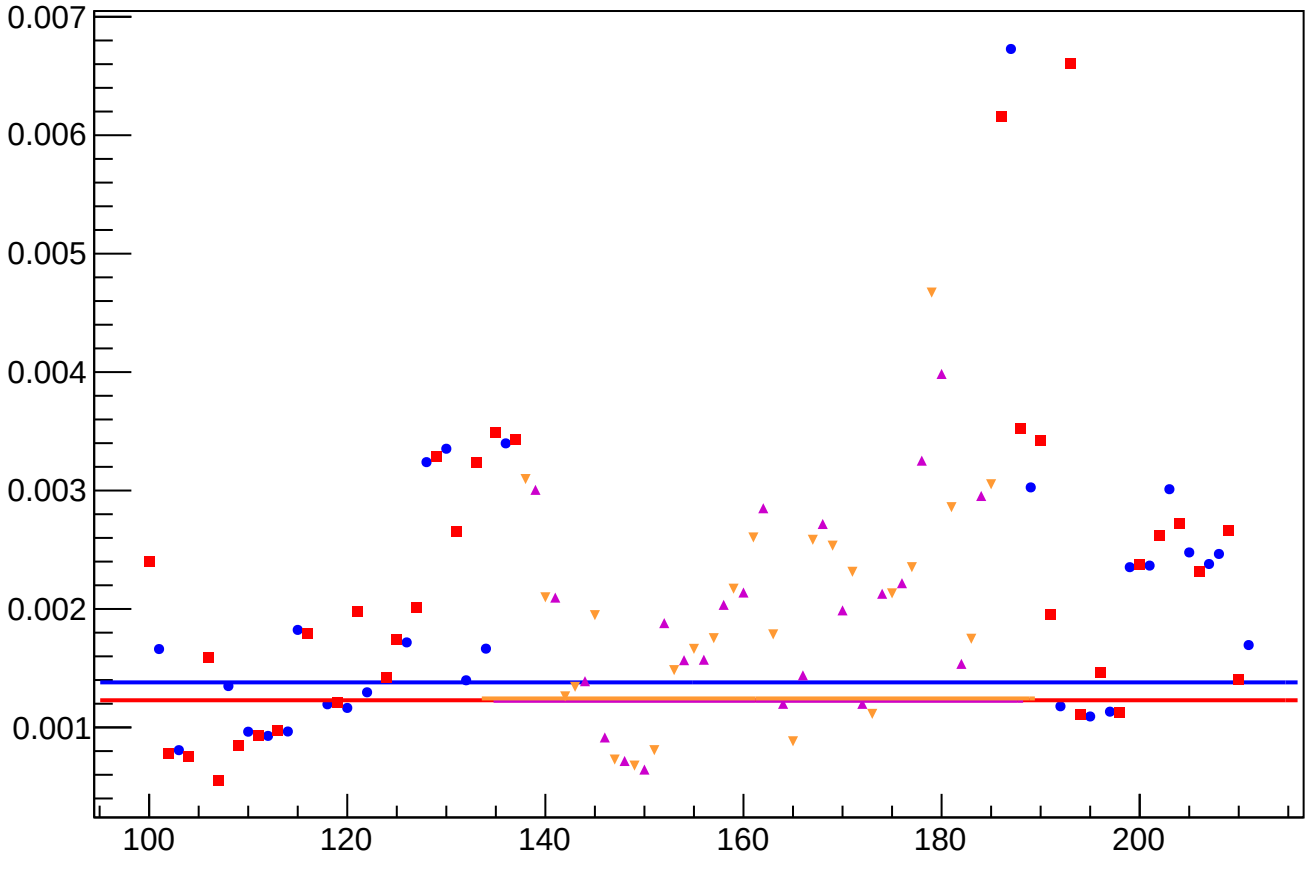
Right: 0.000+/-0.000 χ^2/NDF: 117.0/60

In: -0.000+/-0.000 χ^2/NDF:65.4/50

Out: 0.000+/-0.000 χ^2/NDF:117.0/57

All: 0.000+/-0.000 χ^2/NDF: 188.6/108

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5343906.9/27

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8764813.0/32

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

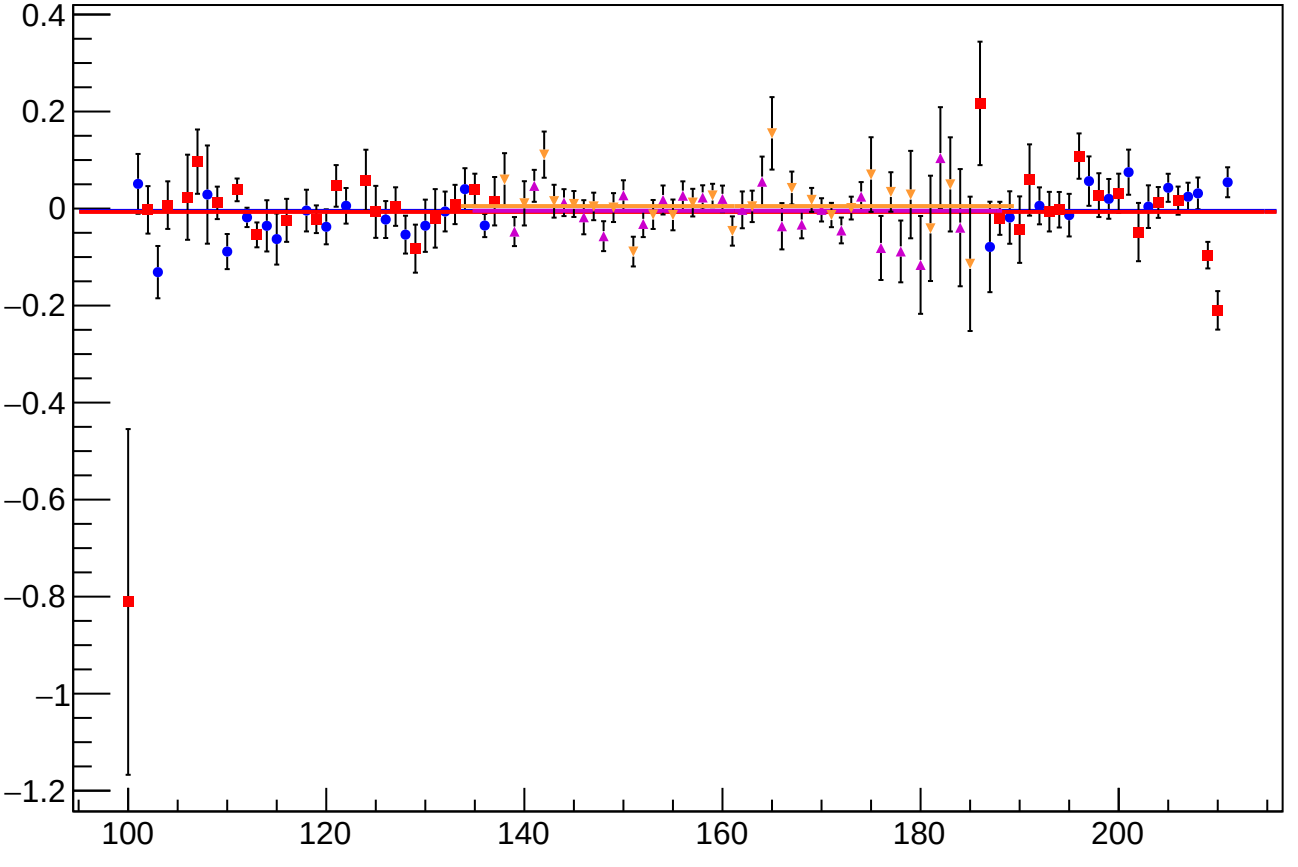
Right: 0.001+/-0.000 χ^2/NDF: 14283857.1/60

In: 0.001+/-0.000 χ^2/NDF:13355786.1/50

Out: 0.001+/-0.000 χ^2/NDF:17107994.8/57

All: 0.001+/-0.000 χ^2/NDF: 30515313.5/108

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

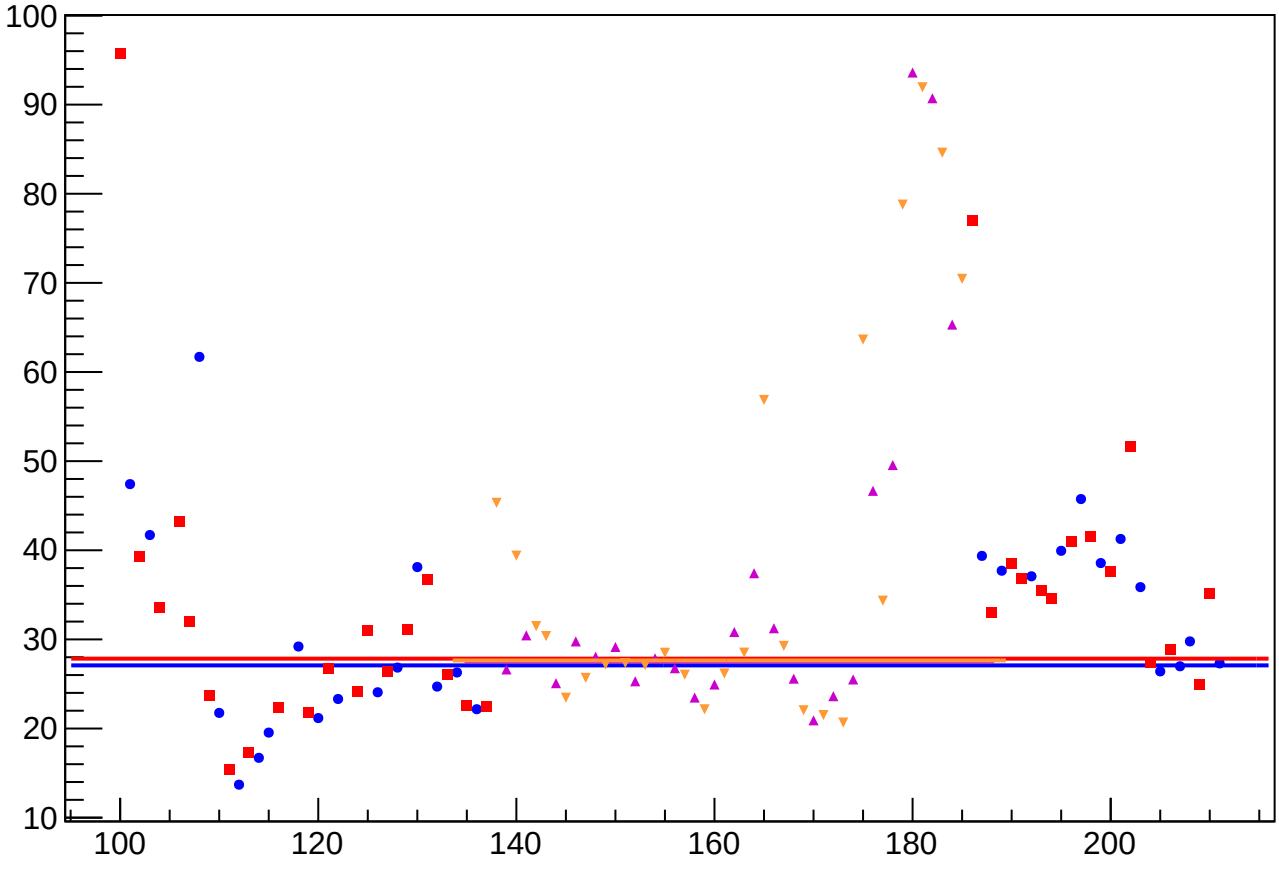
Right: -0.006+/-0.005 χ^2/NDF: 107.0/60

In: -0.005+/-0.005 χ^2/NDF:58.8/50

Out: -0.001+/-0.005 χ^2/NDF:103.2/57

All: -0.003+/-0.004 χ^2/NDF: 162.3/108

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.085+/-0.005 χ^2/NDF: 3057922.3/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.841+/-0.005 χ^2/NDF: 2913098.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

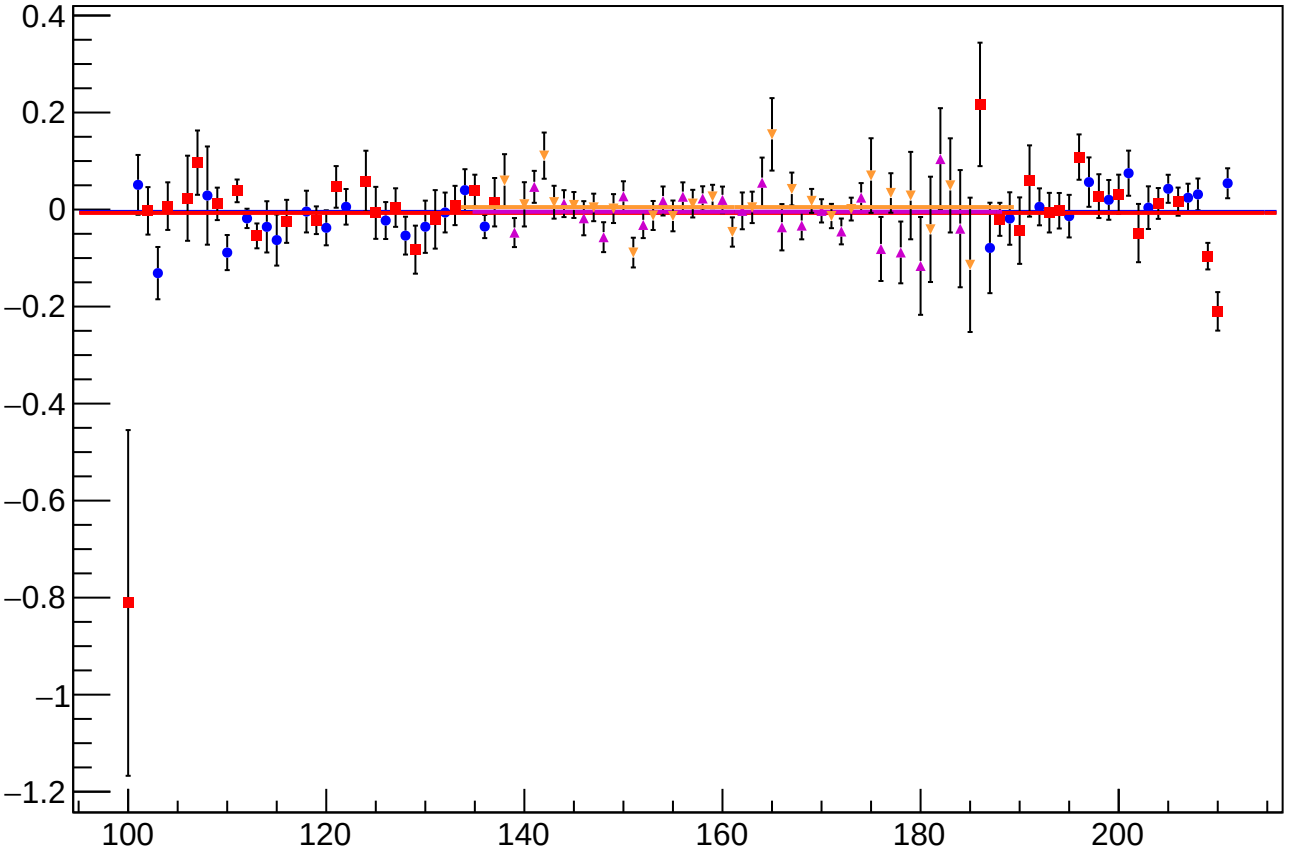
Right: 27.472+/-0.004 χ^2/NDF: 5982318.0/60

In: 27.311+/-0.004 χ^2/NDF:5696264.3/50

Out: 27.736+/-0.003 χ^2/NDF:6888006.8/57

All: 27.528+/-0.002 χ^2/NDF: 12591589.5/108

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.007 χ^2/NDF: 33.7/27

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 73.3/32

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

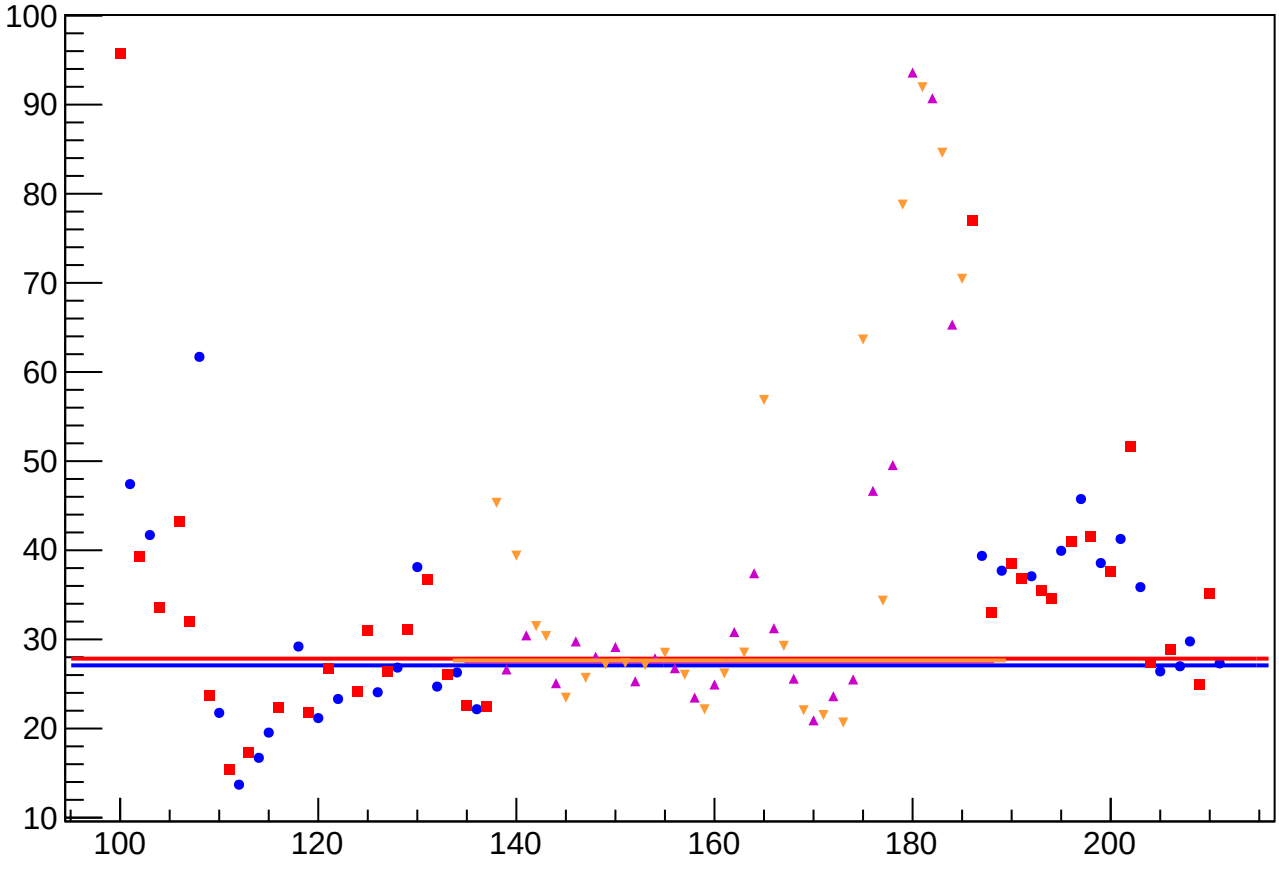
Right: -0.006+/-0.005 χ^2/NDF: 107.0/60

In: -0.005+/-0.005 χ^2/NDF:58.8/50

Out: -0.001+/-0.005 χ^2/NDF:103.2/57

All: -0.003+/-0.004 χ^2/NDF: 162.3/108

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.085+/-0.005 χ^2/NDF: 3057922.3/27

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.841+/-0.005 χ^2/NDF: 2913098.8/32

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

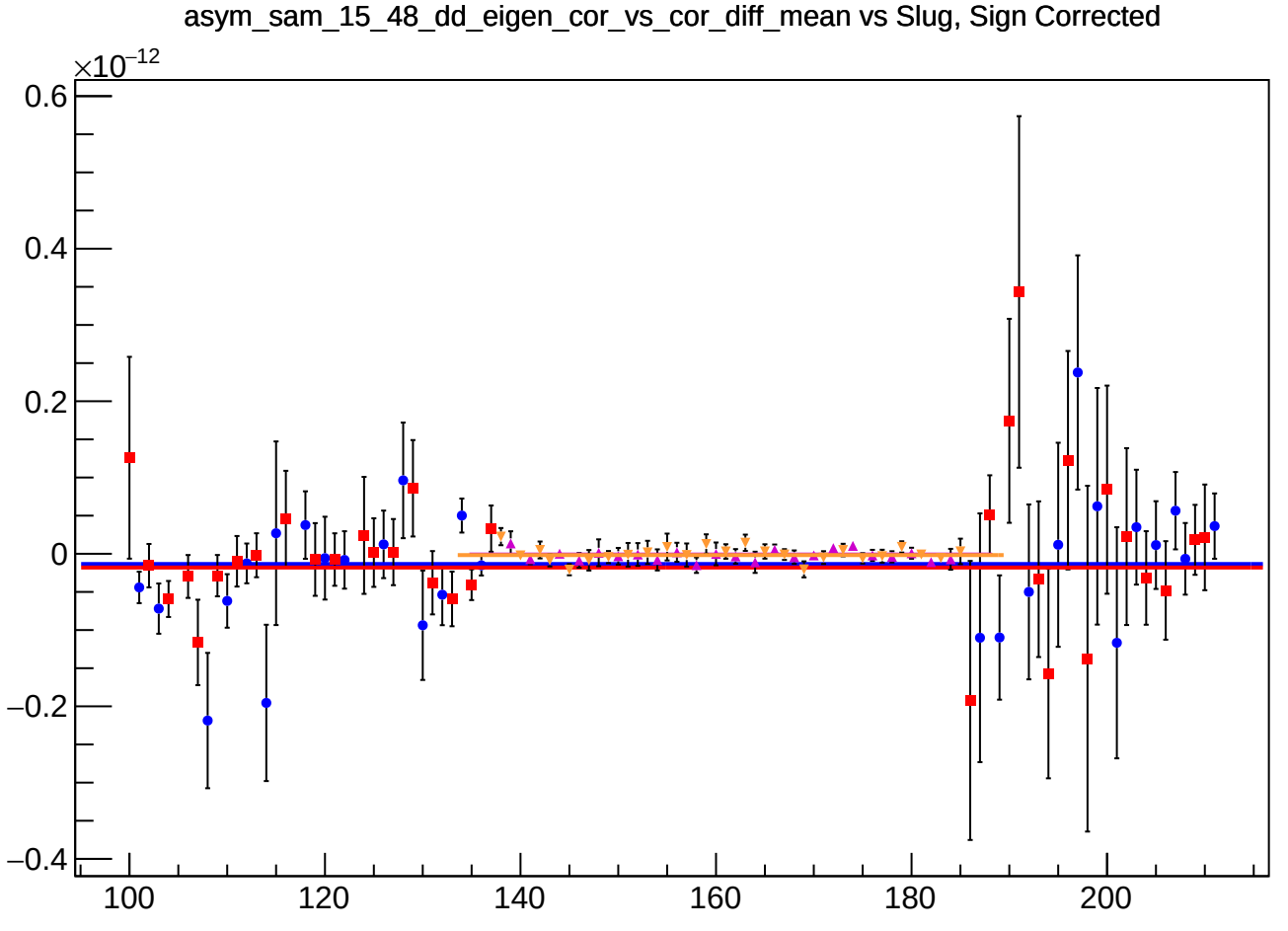
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.472+/-0.004 χ^2/NDF: 5982318.0/60

In: 27.311+/-0.004 χ^2/NDF:5696264.3/50

Out: 27.736+/-0.003 χ^2/NDF:6888006.8/57

All: 27.528+/-0.002 χ^2/NDF: 12591589.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 39.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/32

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

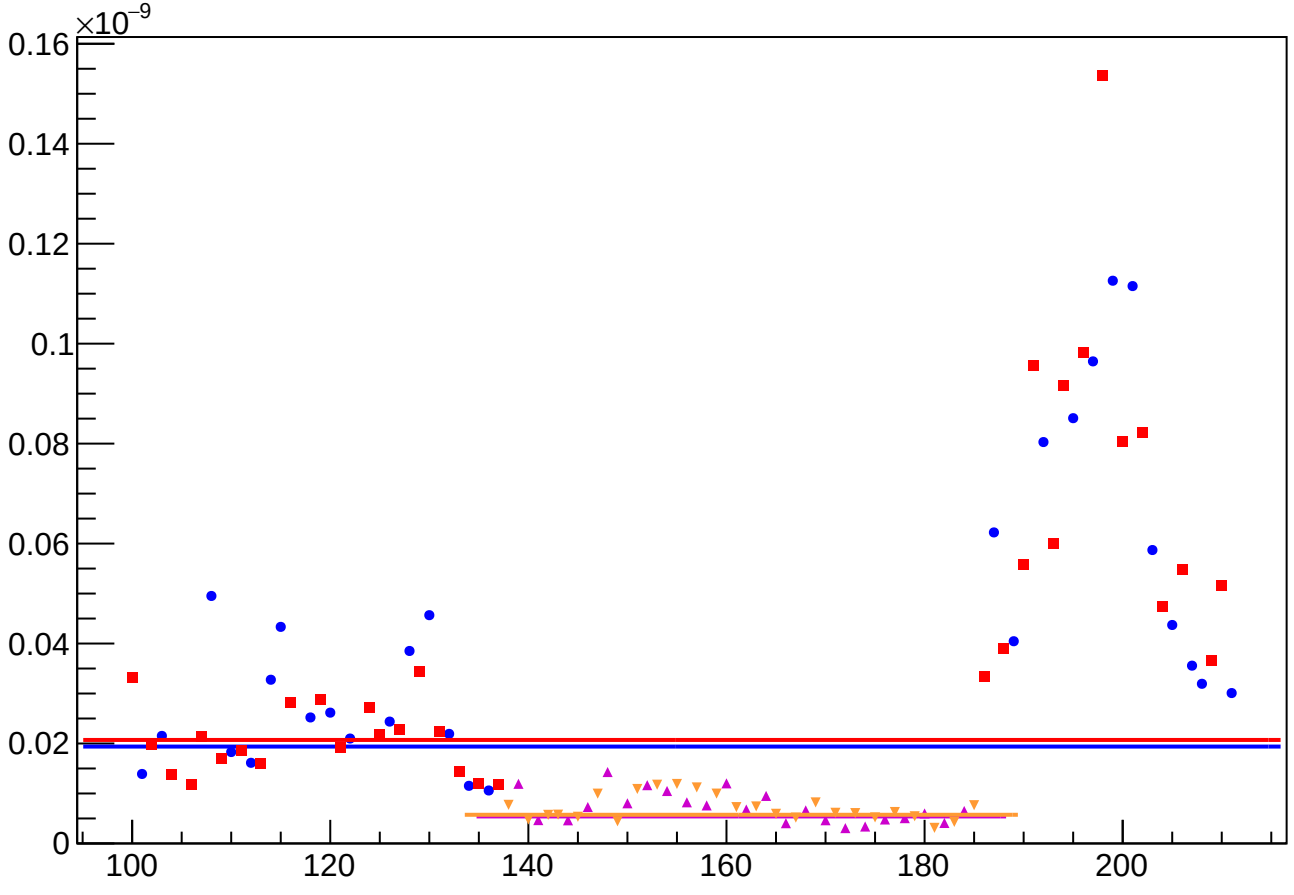
Right: -0.000+/-0.000 χ^2/NDF: 69.1/60

In: -0.000+/-0.000 χ^2/NDF:58.5/50

Out: -0.000+/-0.000 χ^2/NDF:58.6/57

All: -0.000+/-0.000 χ^2/NDF: 117.3/108

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6808369.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6541651.1/32

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

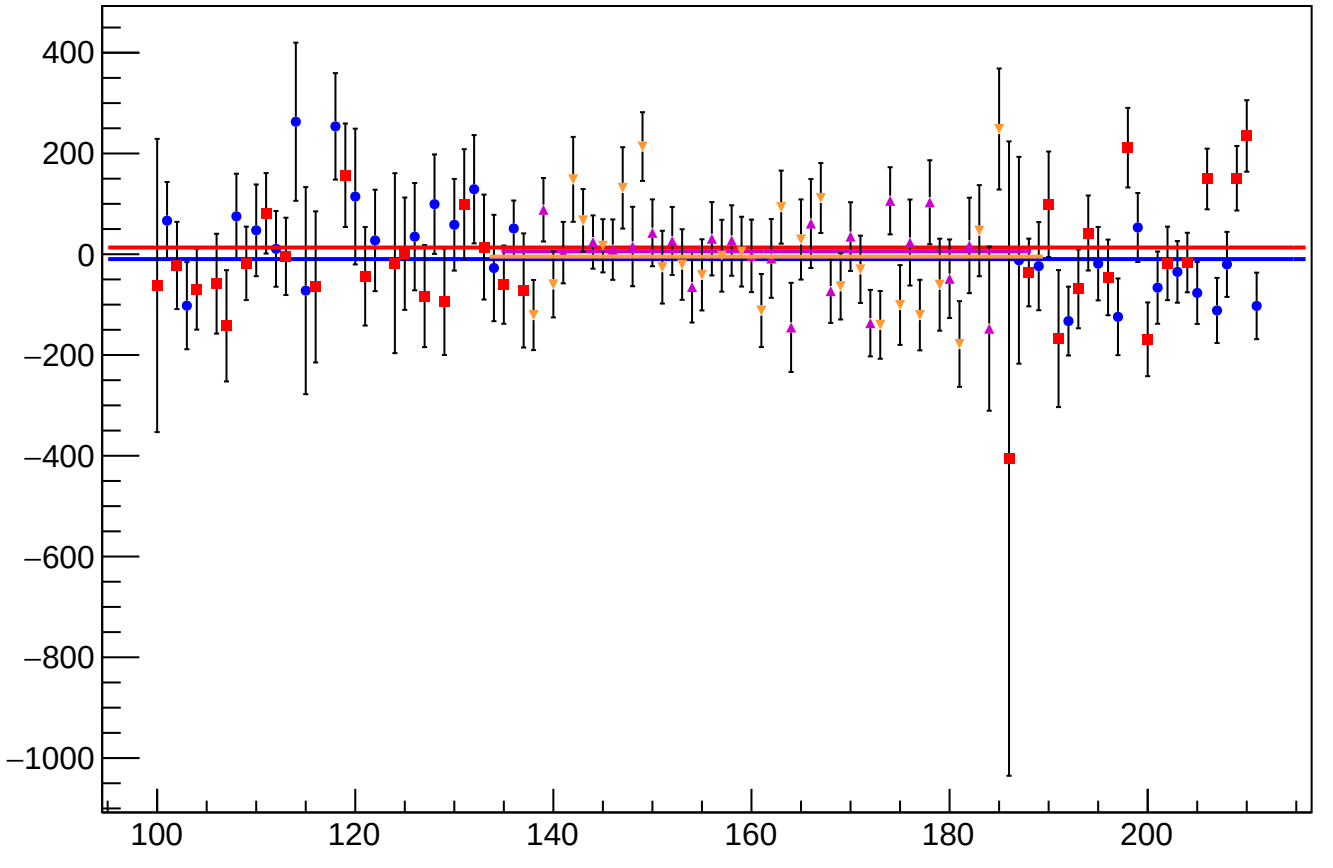
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13382397.6/60

In: 0.000+/-0.000 χ^2/NDF:17282894.9/50

Out: 0.000+/-0.000 χ^2/NDF:16874899.3/57

All: 0.000+/-0.000 χ^2/NDF: 34202657.2/108



Right In: -9.647+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 13.364+/-15.087 χ^2/NDF: 49.1/32

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

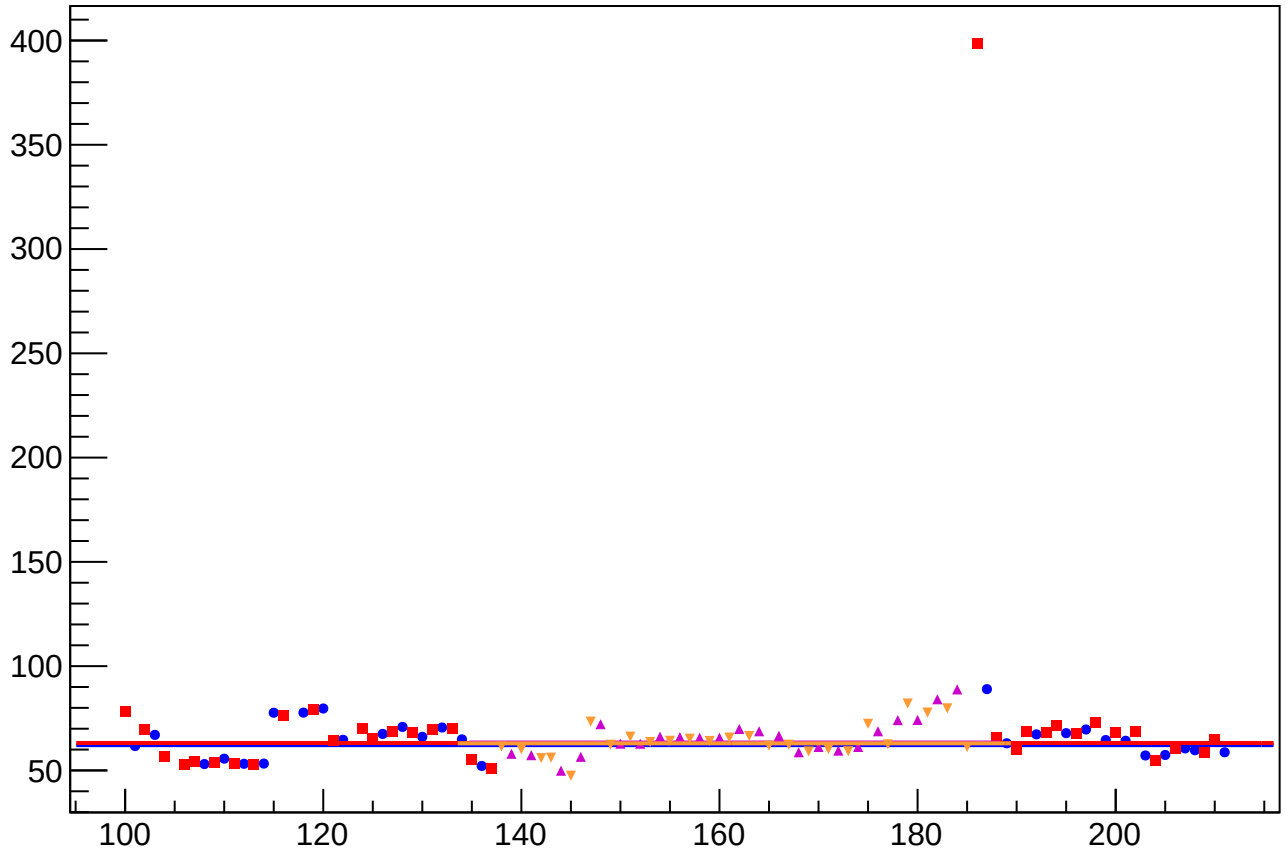
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 2.064+/-10.763 χ^2/NDF: 81.9/60

In: -1.718+/-10.706 χ^2/NDF:50.4/50

Out: 3.909+/-10.429 χ^2/NDF:97.2/57

All: 1.170+/-7.470 χ^2/NDF: 147.8/108



Right In: 62.127+/-0.011 χ^2/NDF: 384087.3/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.159+/-0.011 χ^2/NDF: 1025737.2/32

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

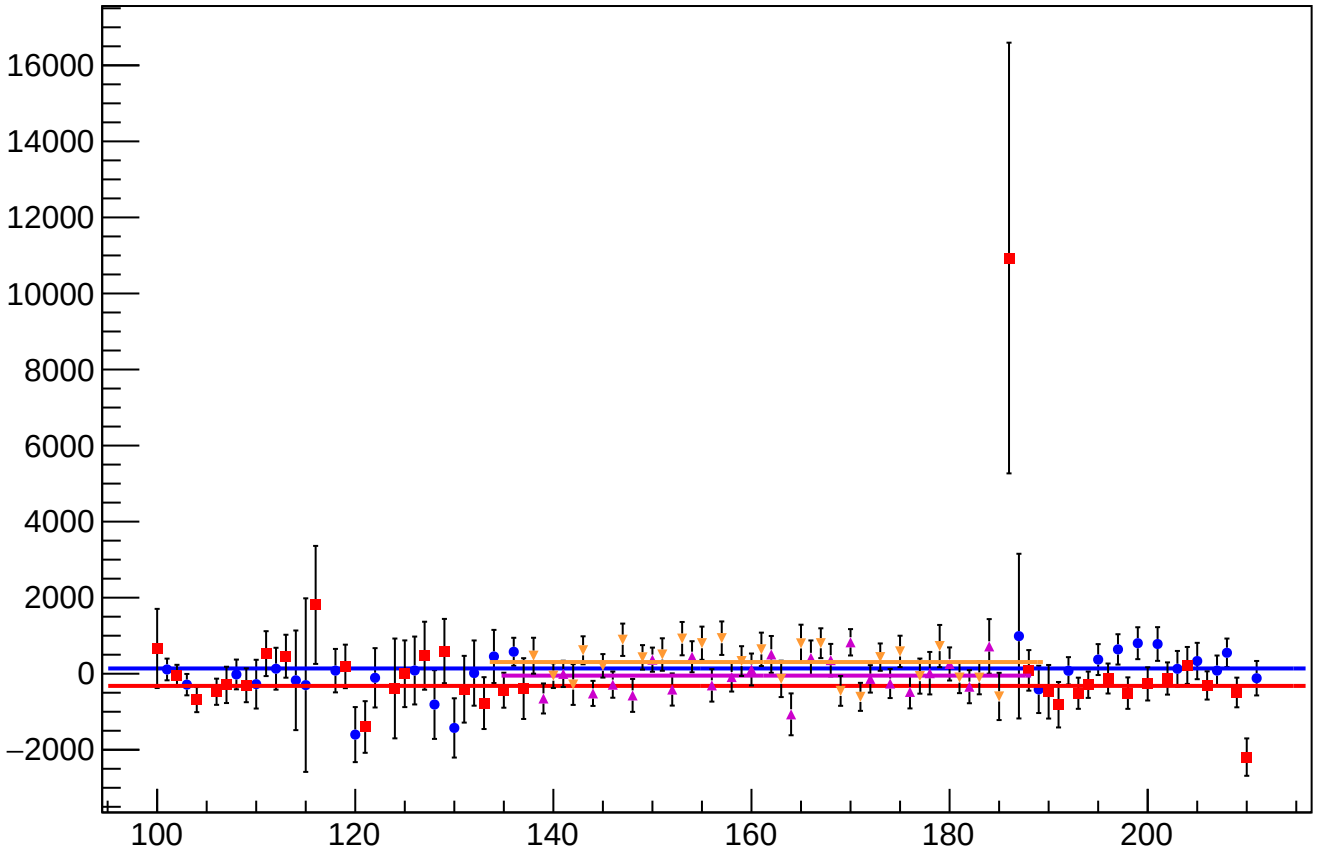
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.653+/-0.008 χ^2/NDF: 1414418.1/60

In: 62.764+/-0.008 χ^2/NDF:887693.9/50

Out: 63.064+/-0.007 χ^2/NDF:1552750.7/57

All: 62.918+/-0.005 χ^2/NDF: 2441249.1/108



Right In: 138.323+/-91.168 χ^2/NDF: 24.8/27

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -320.607+/-86.300 χ^2/NDF: 37.1/32

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

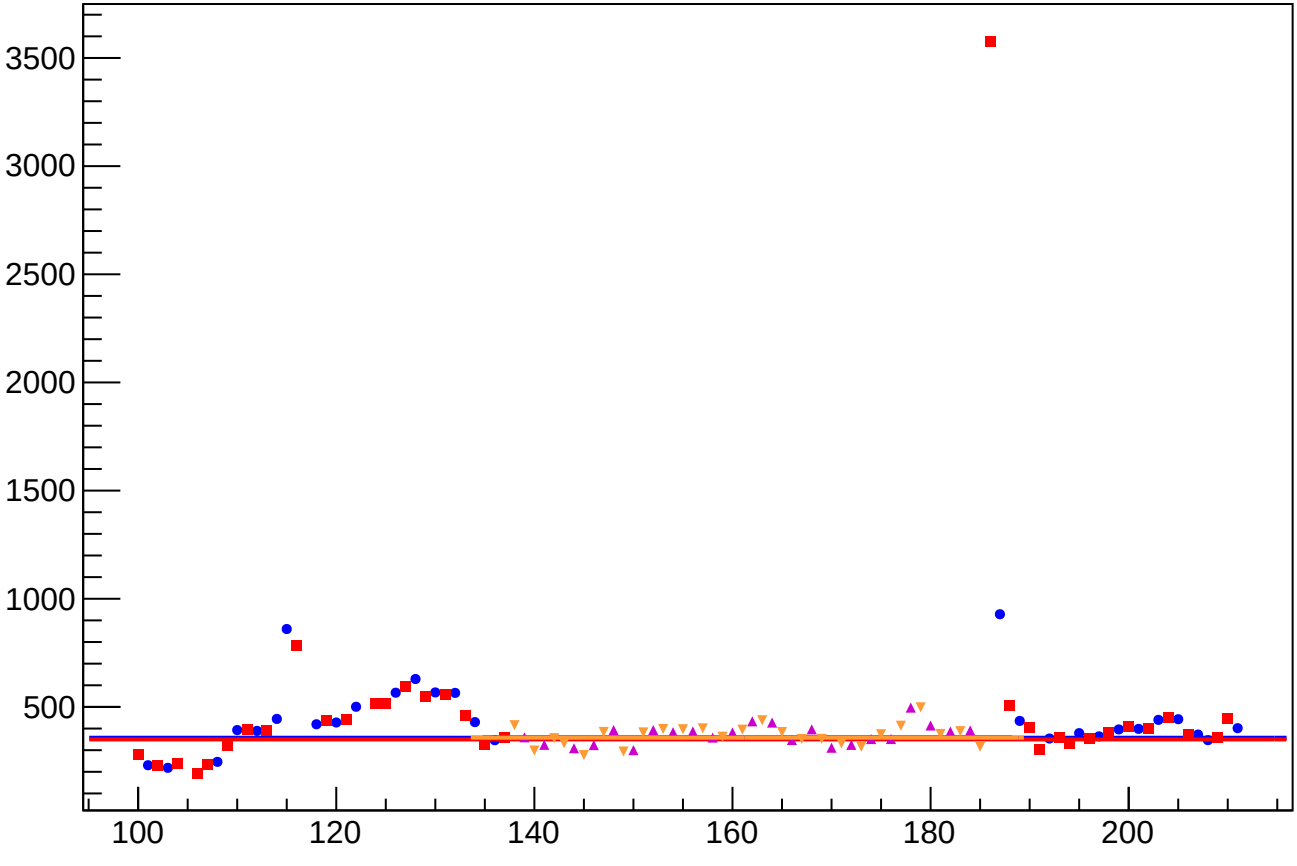
Right: -103.722+/-62.674 χ^2/NDF: 75.3/60

In: 37.381+/-62.107 χ^2/NDF:54.4/50

Out: 7.940+/-59.582 χ^2/NDF:95.5/57

All: 22.050+/-42.996 χ^2/NDF: 150.0/108

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 357.537+/-0.064 χ^2/NDF: 2210914.1/27

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 349.738+/-0.061 χ^2/NDF: 3066398.7/32

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

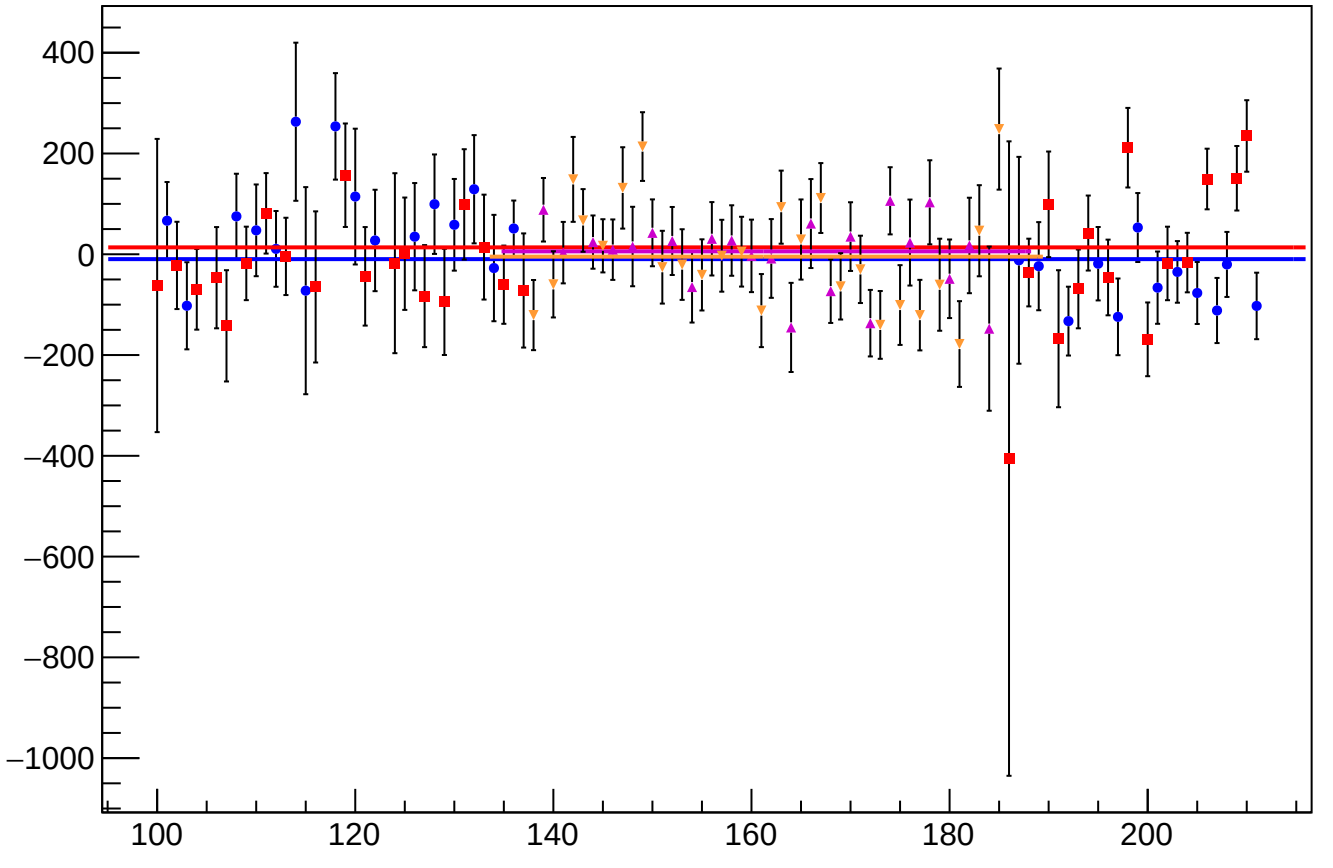
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 353.424+/-0.044 χ^2/NDF: 5285033.3/60

In: 358.509+/-0.044 χ^2/NDF:2731097.7/50

Out: 353.921+/-0.042 χ^2/NDF:3759109.6/57

All: 356.120+/-0.030 χ^2/NDF: 6495889.9/108



Right In: -9.653+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 13.681+/-15.092 χ^2/NDF: 48.9/32

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

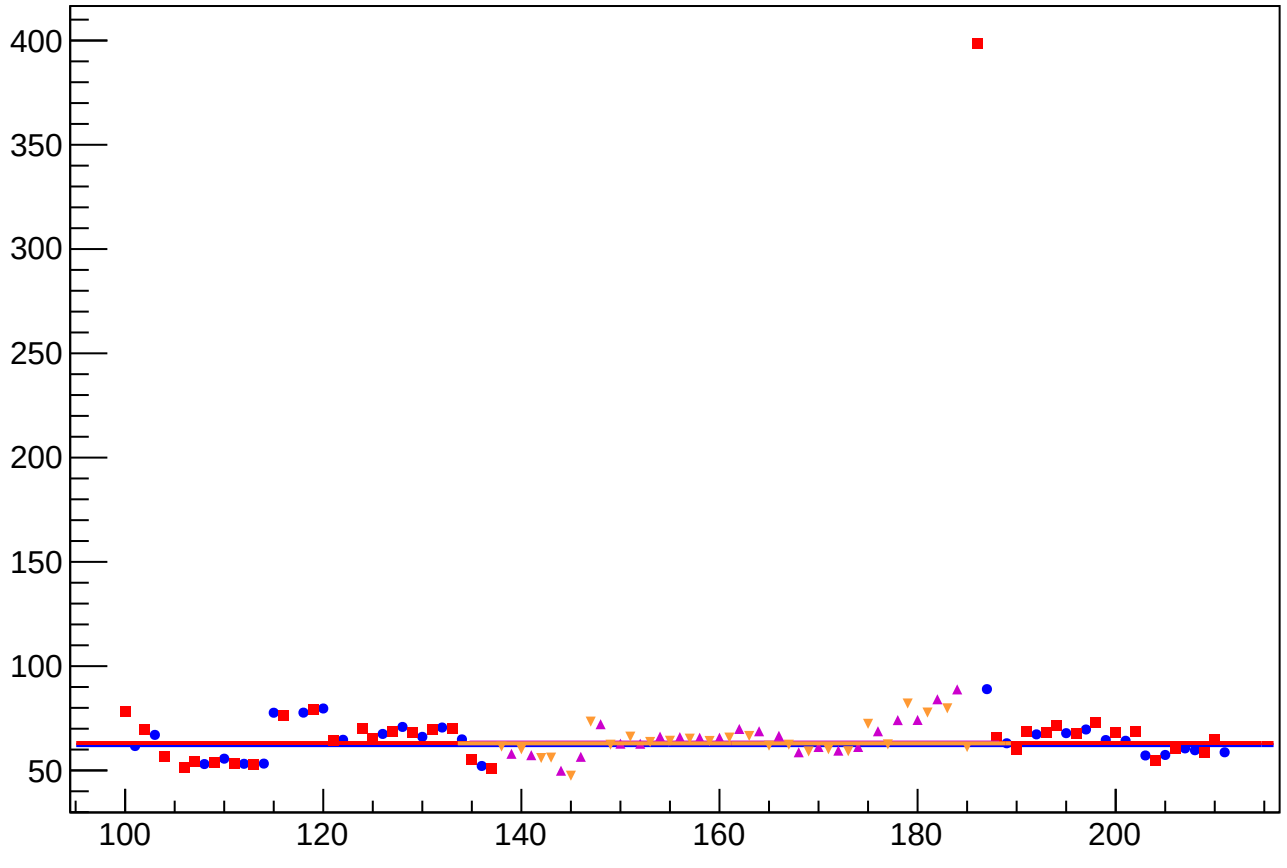
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 2.218+/-10.764 χ^2/NDF: 81.8/60

In: -1.721+/-10.706 χ^2/NDF:50.5/50

Out: 4.055+/-10.430 χ^2/NDF:97.1/57

All: 1.242+/-7.471 χ^2/NDF: 147.7/108



Right In: 62.127+/-0.011 χ^2/NDF: 384087.5/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.142+/-0.011 χ^2/NDF: 1029811.8/32

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

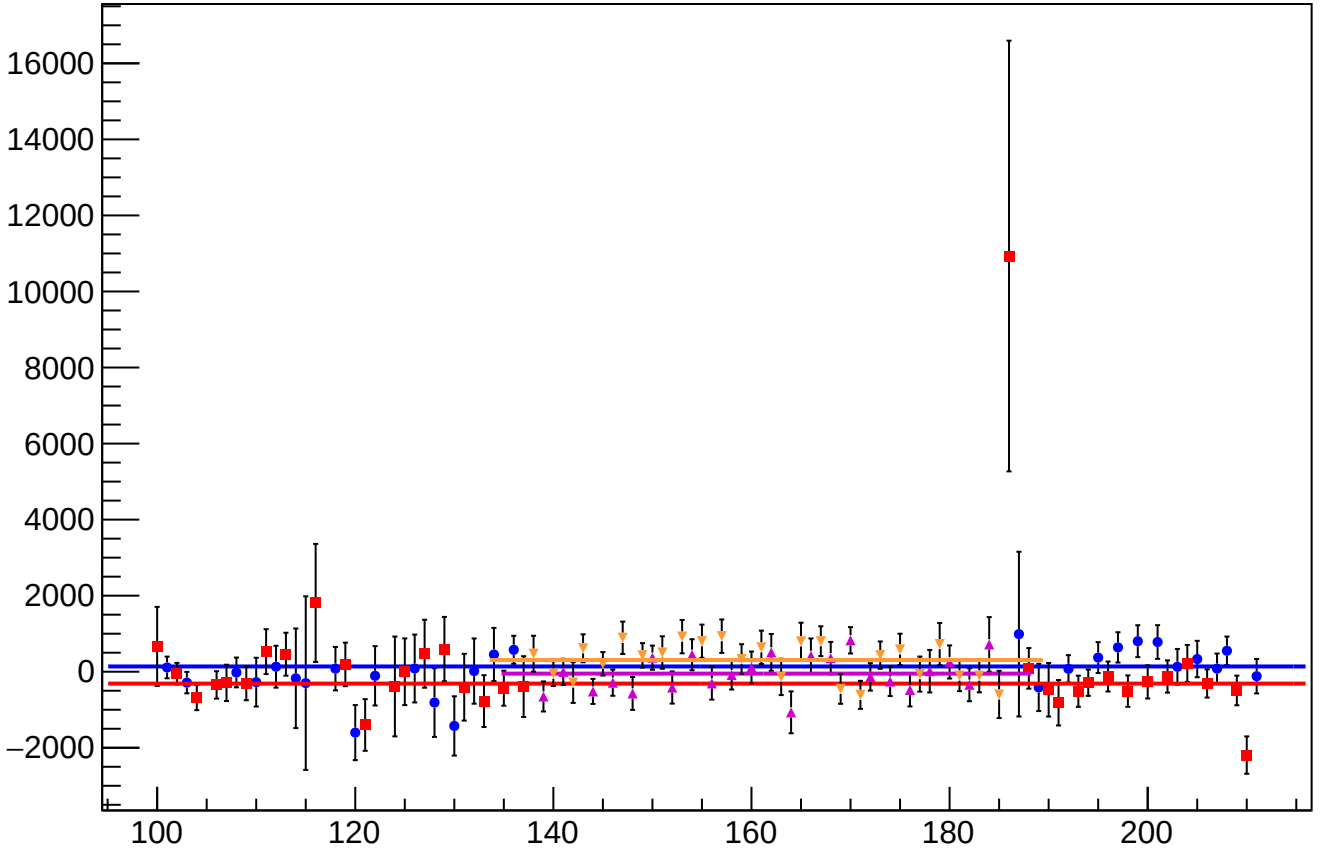
Right: 62.644+/-0.008 χ^2/NDF: 1418343.1/60

In: 62.764+/-0.008 χ^2/NDF:887694.1/50

Out: 63.056+/-0.007 χ^2/NDF:1556798.4/57

All: 62.914+/-0.005 χ^2/NDF: 2445254.2/108

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 138.329+/-91.169 χ^2/NDF: 24.8/27

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -312.608+/-86.542 χ^2/NDF: 36.9/32

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

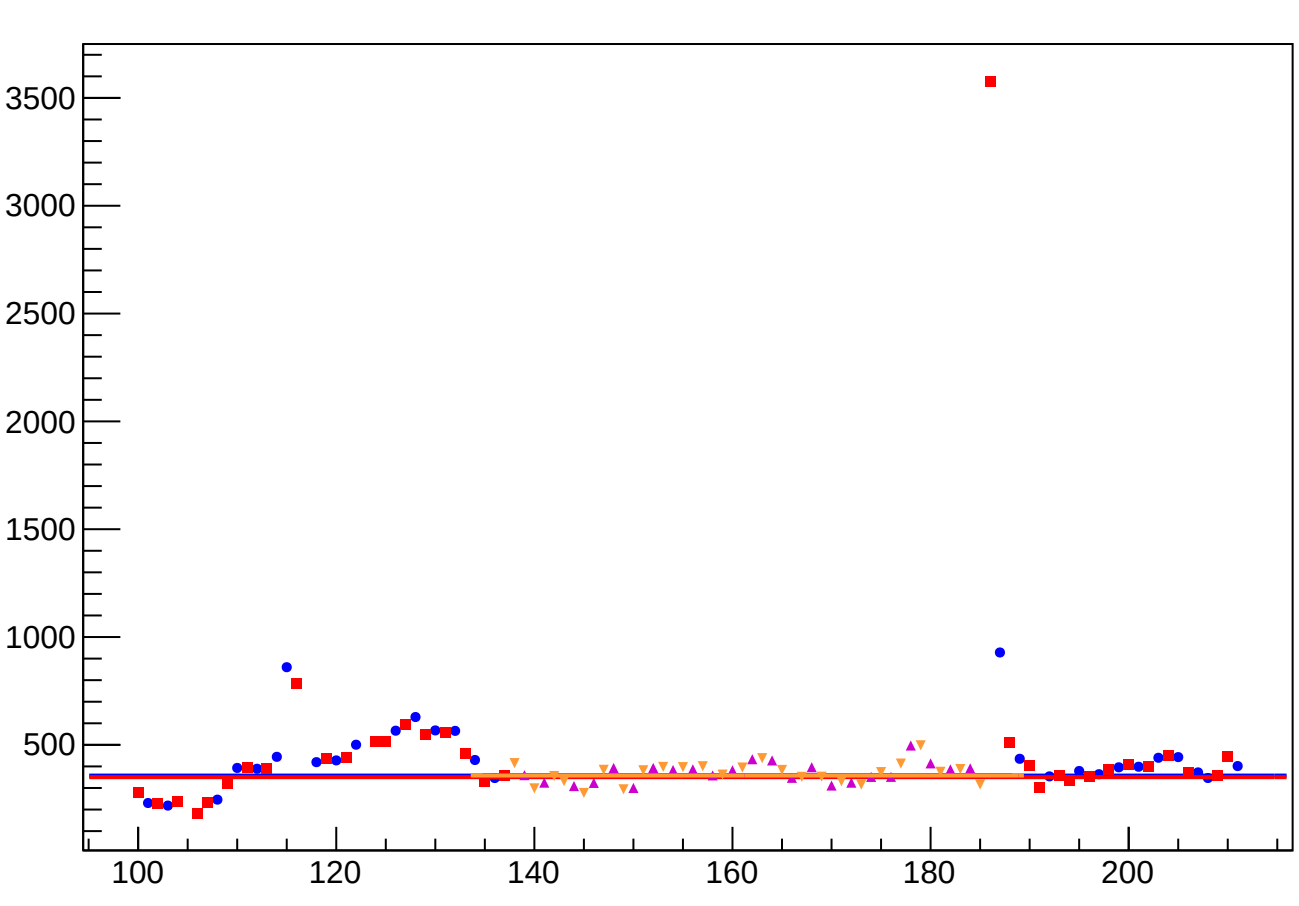
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -98.872+/-62.766 χ^2/NDF: 74.6/60

In: 37.384+/-62.107 χ^2/NDF:54.4/50

Out: 12.616+/-59.661 χ^2/NDF:94.5/57

All: 24.503+/-43.026 χ^2/NDF: 148.9/108



Right In: 357.539+/-0.064 χ^2/NDF: 2210830.9/27

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 350.033+/-0.061 χ^2/NDF: 3081071.0/32

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

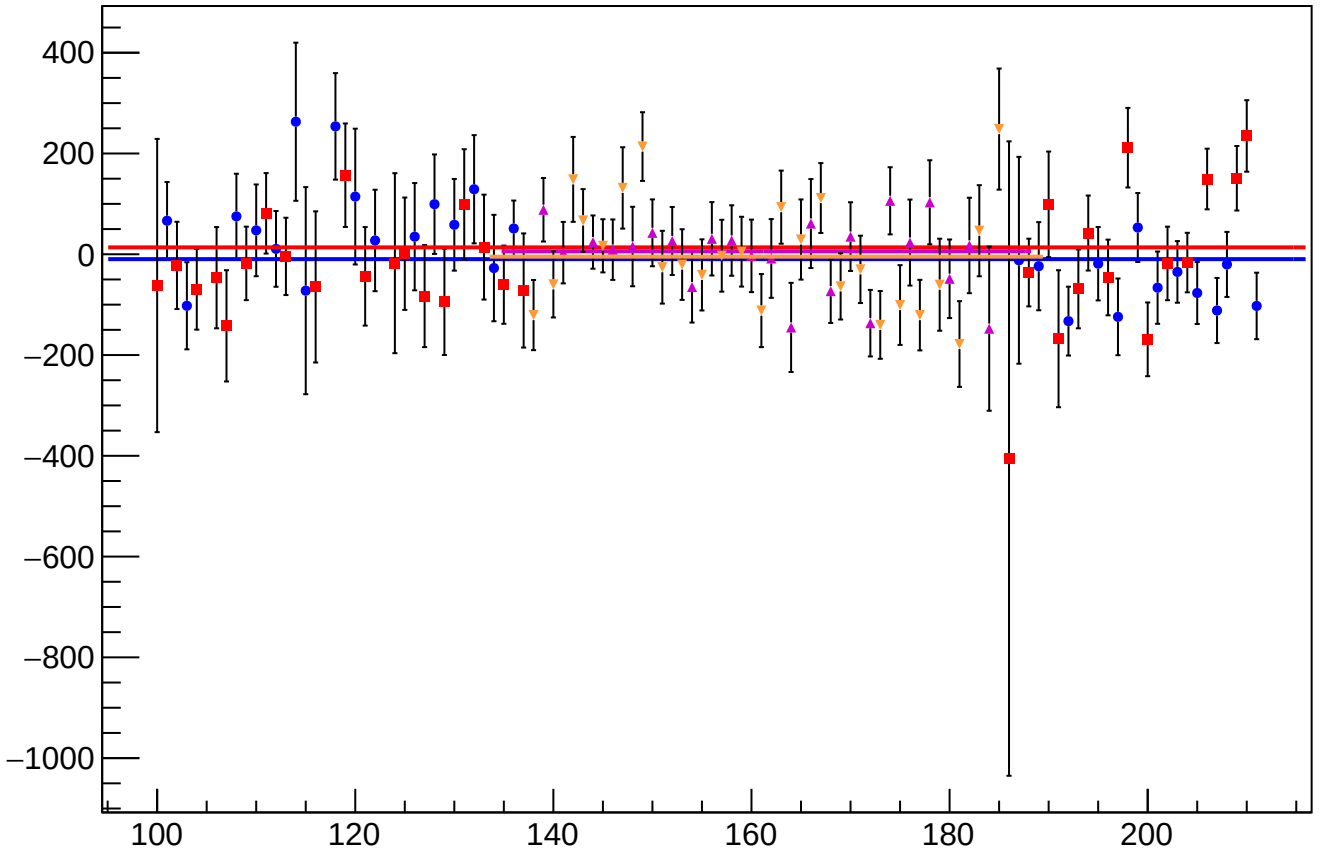
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 353.591+/-0.044 χ^2/NDF: 5299032.7/60

In: 358.510+/-0.044 χ^2/NDF:2731016.6/50

Out: 354.073+/-0.042 χ^2/NDF:3773102.2/57

All: 356.202+/-0.030 χ^2/NDF: 6509427.1/108



Right In: -9.653+/-15.358 χ^2/NDF: 31.6/27

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 13.681+/-15.092 χ^2/NDF: 48.9/32

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

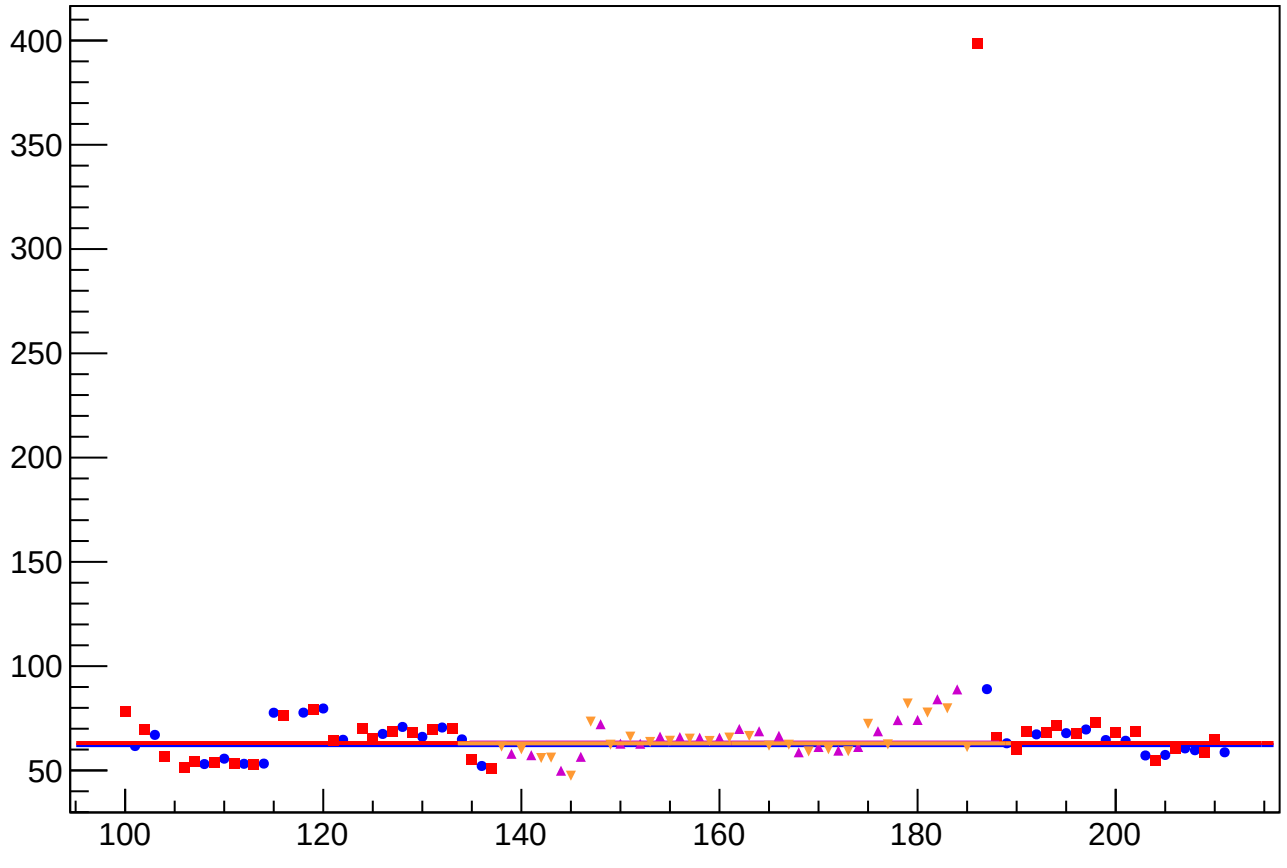
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 2.218+/-10.764 χ^2/NDF: 81.8/60

In: -1.721+/-10.706 χ^2/NDF:50.5/50

Out: 4.055+/-10.430 χ^2/NDF:97.1/57

All: 1.242+/-7.471 χ^2/NDF: 147.7/108



Right In: 62.127+/-0.011 χ^2/NDF: 384087.5/27

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.142+/-0.011 χ^2/NDF: 1029811.8/32

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

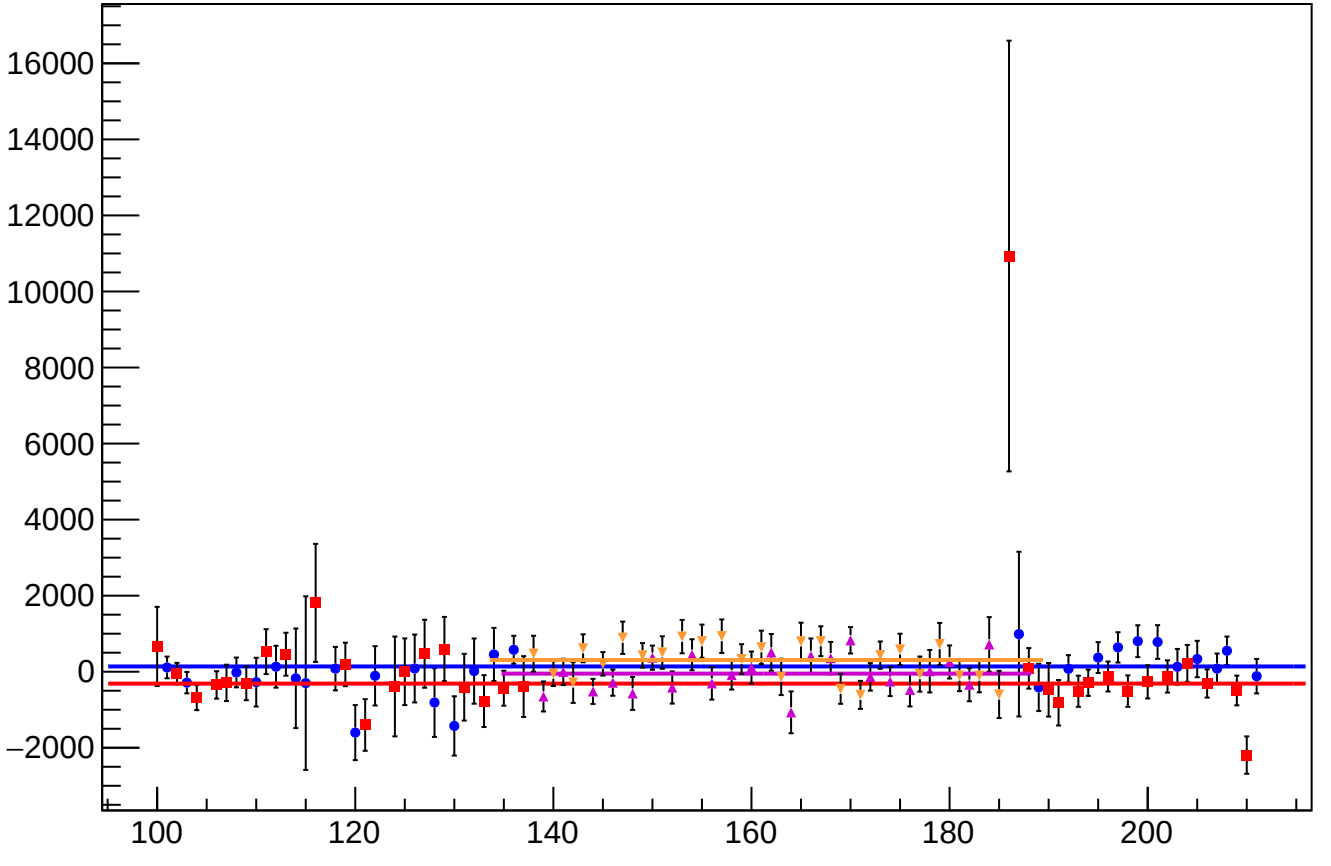
Right: 62.644+/-0.008 χ^2/NDF: 1418343.1/60

In: 62.764+/-0.008 χ^2/NDF:887694.1/50

Out: 63.056+/-0.007 χ^2/NDF:1556798.4/57

All: 62.914+/-0.005 χ^2/NDF: 2445254.2/108

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 138.329+/-91.169 χ^2/NDF: 24.8/27

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -312.608+/-86.542 χ^2/NDF: 36.9/32

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

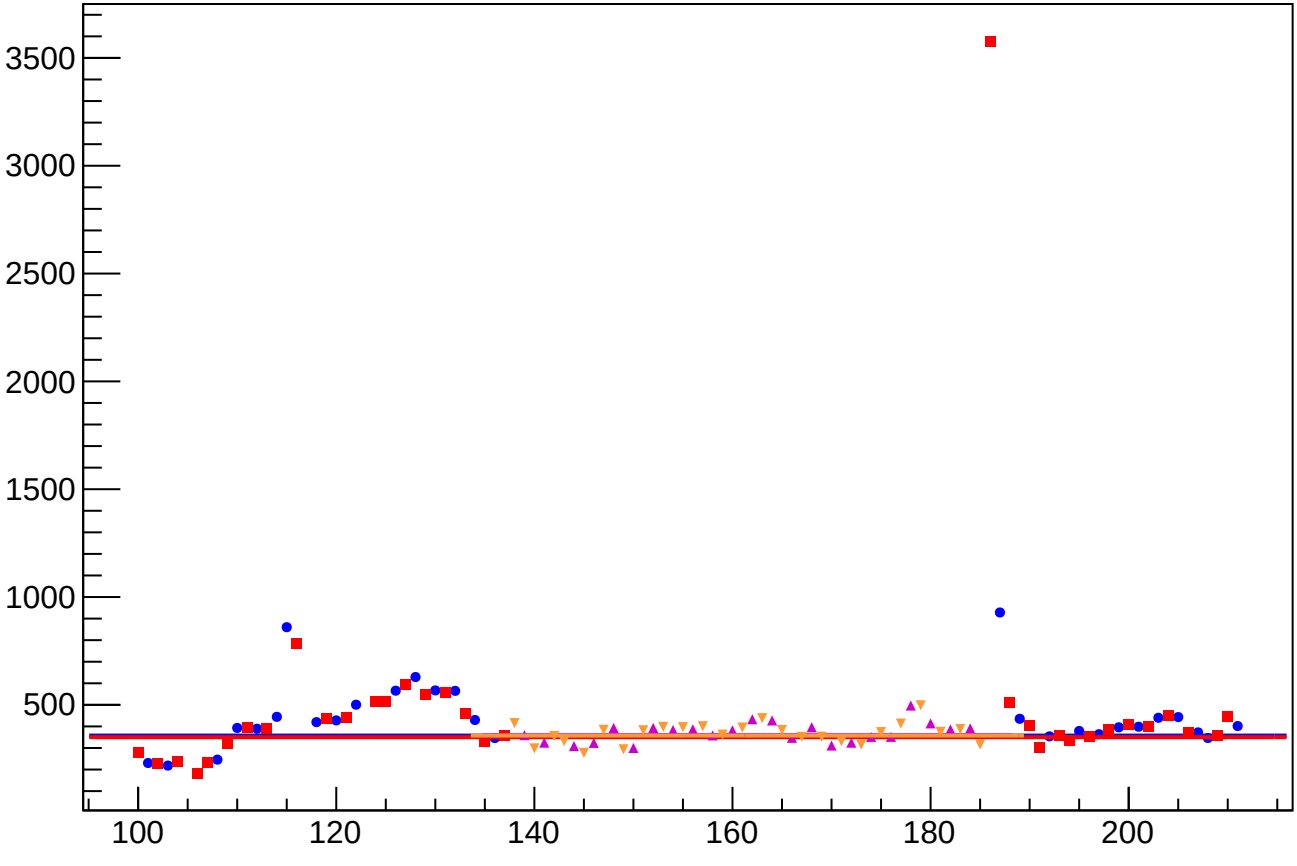
Right: -98.872+/-62.766 χ^2/NDF: 74.6/60

In: 37.384+/-62.107 χ^2/NDF:54.4/50

Out: 12.616+/-59.661 χ^2/NDF:94.5/57

All: 24.503+/-43.026 χ^2/NDF: 148.9/108

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 357.539+/-0.064 χ^2/NDF: 2210830.9/27

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 350.033+/-0.061 χ^2/NDF: 3081071.0/32

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

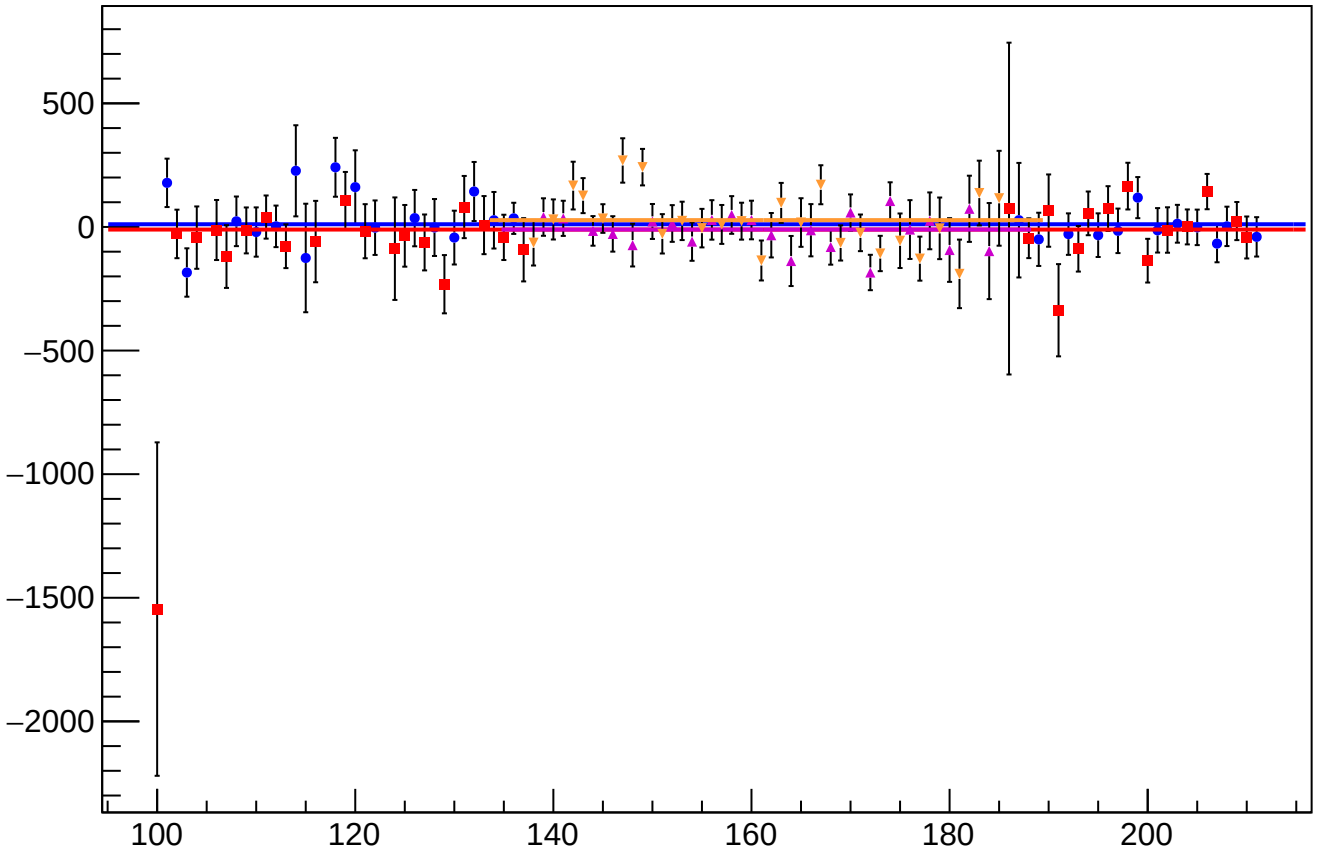
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 353.591+/-0.044 χ^2/NDF: 5299032.7/60

In: 358.510+/-0.044 χ^2/NDF:2731016.6/50

Out: 354.073+/-0.042 χ^2/NDF:3773102.2/57

All: 356.202+/-0.030 χ^2/NDF: 6509427.1/108



Right In: 10.941+/-18.092 χ^2/NDF: 19.4/27

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.517+/-18.014 χ^2/NDF: 29.2/32

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

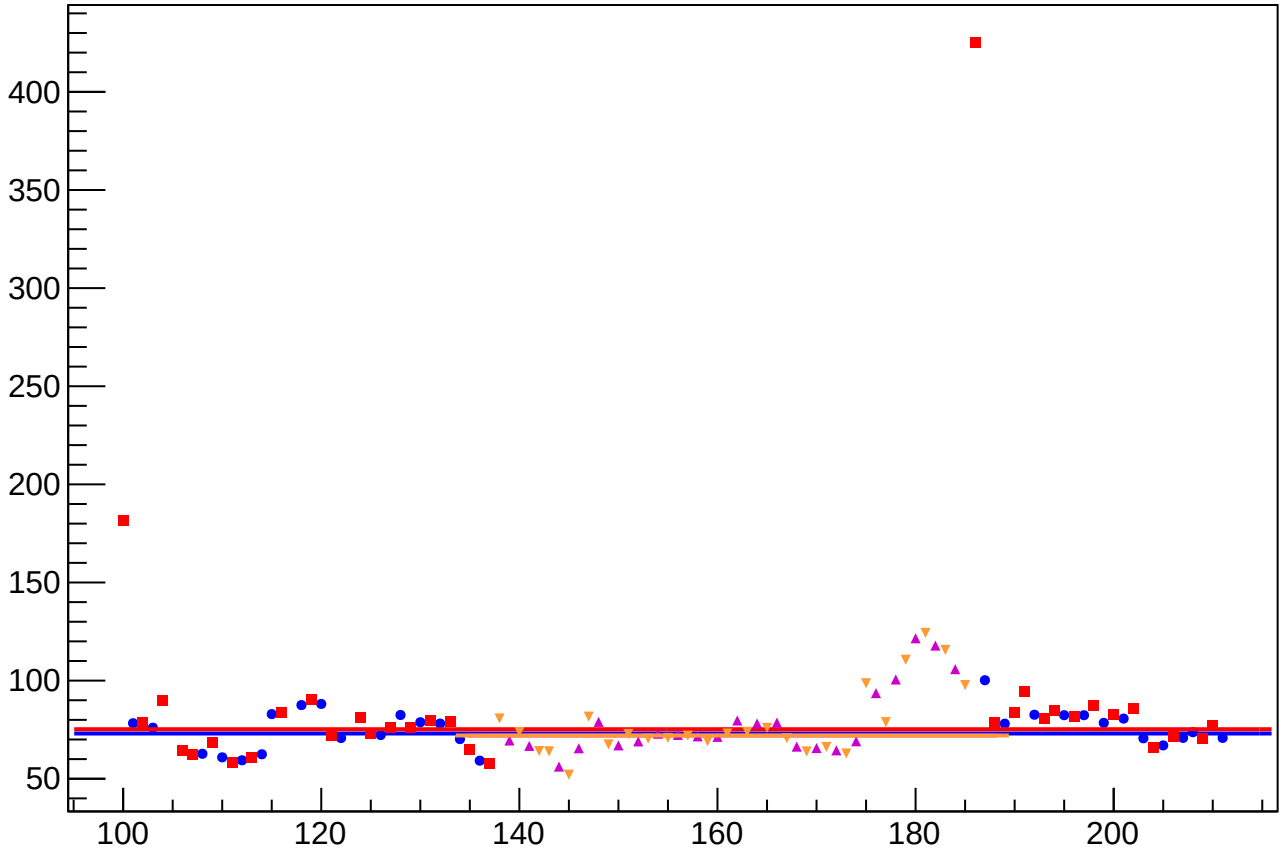
Right: 0.166+/-12.766 χ^2/NDF: 49.3/60

In: -0.317+/-12.475 χ^2/NDF:36.2/50

Out: 9.950+/-12.264 χ^2/NDF:73.9/57

All: 4.904+/-8.746 χ^2/NDF: 110.5/108

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.051+/-0.013 χ^2/NDF: 437143.3/27

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.235+/-0.013 χ^2/NDF: 1103939.5/32

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

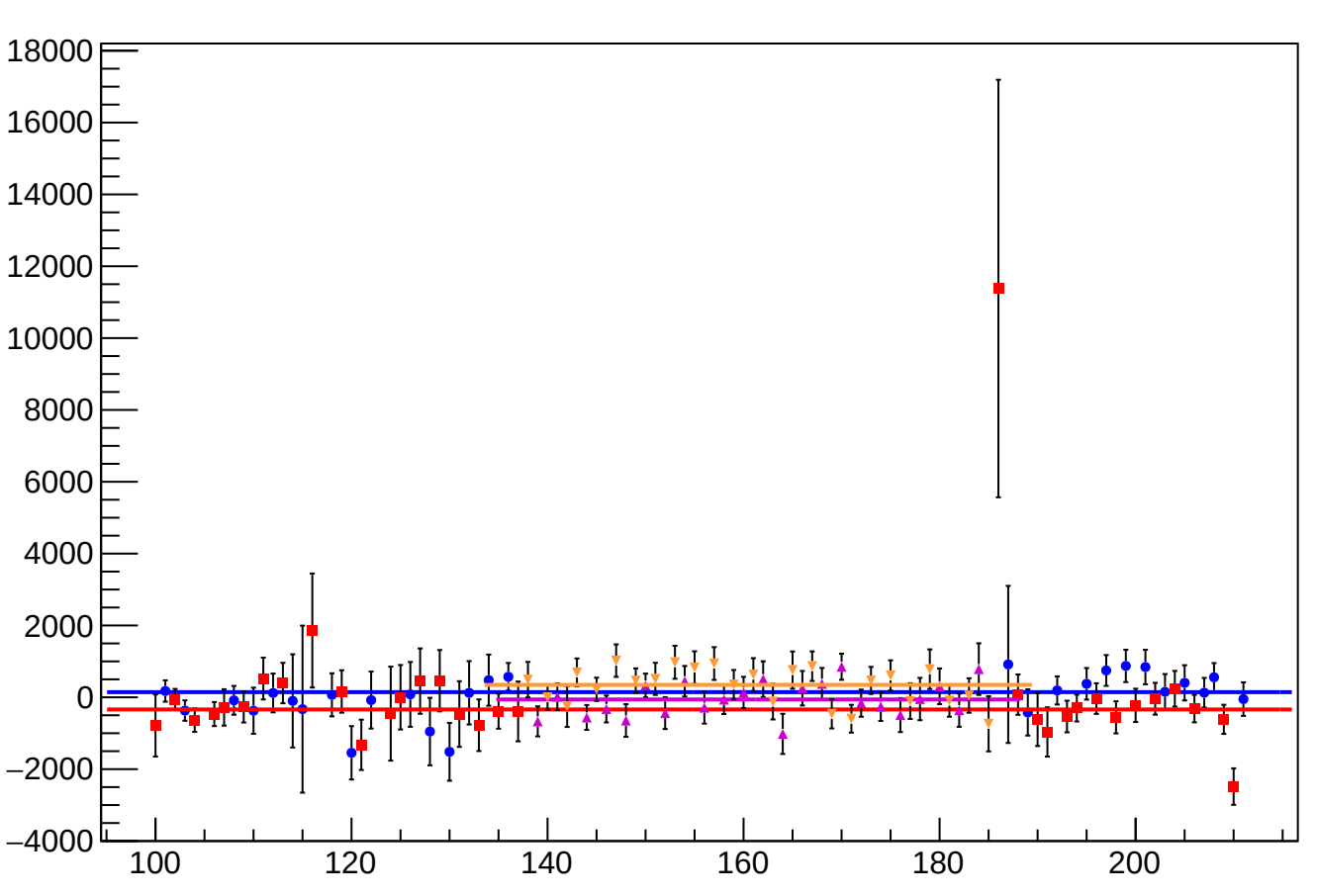
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.148+/-0.009 χ^2/NDF: 1555723.2/60

In: 72.548+/-0.009 χ^2/NDF:1498946.3/50

Out: 73.521+/-0.009 χ^2/NDF:2407158.4/57

All: 73.043+/-0.006 χ^2/NDF: 3912295.0/108



Right In: 143.897+/-95.007 χ^2/NDF: 26.1/27

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -338.506+/-88.991 χ^2/NDF: 39.7/32

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

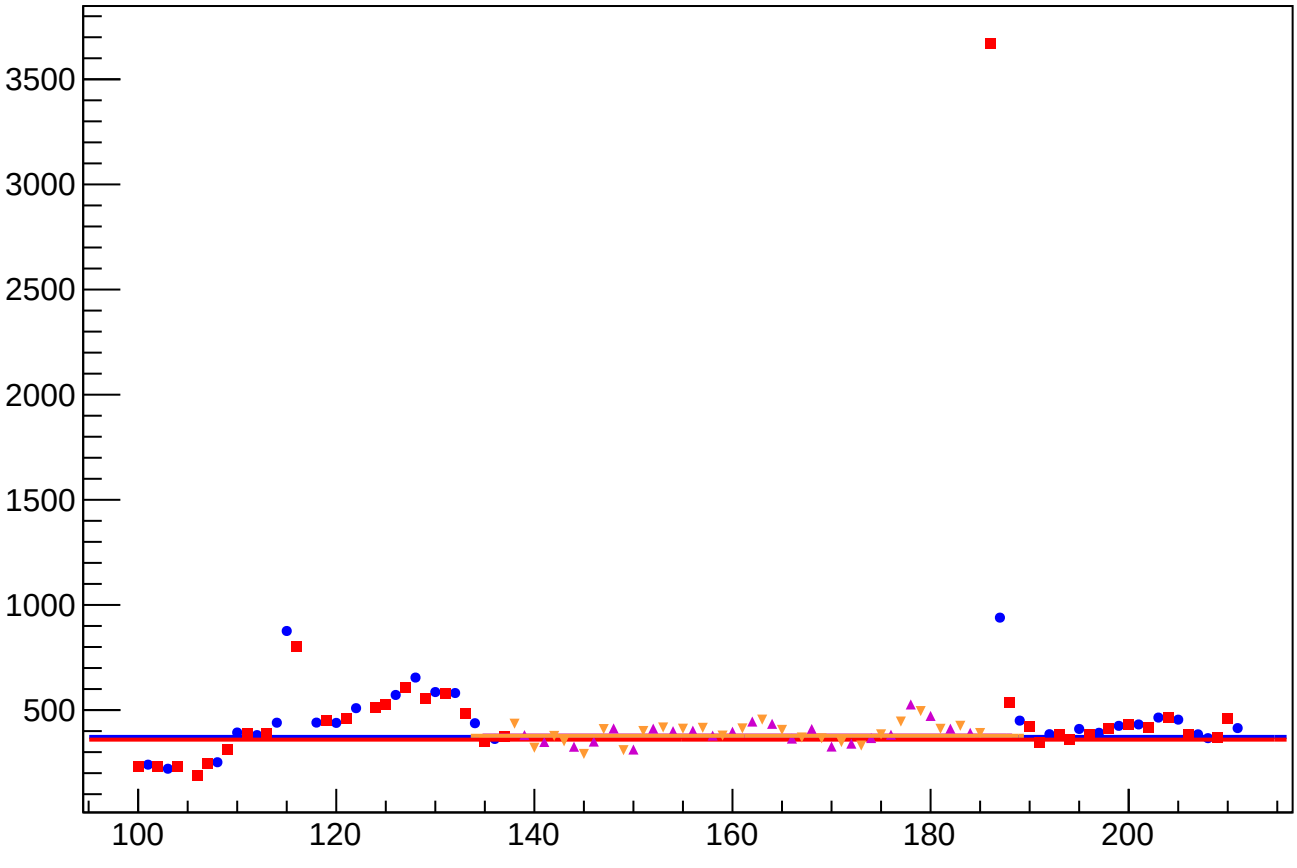
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -113.061+/-64.949 χ^2/NDF: 79.5/60

In: 35.816+/-65.112 χ^2/NDF:54.4/50

Out: 12.174+/-62.145 χ^2/NDF:99.0/57

All: 23.444+/-44.955 χ^2/NDF: 153.4/108



Right In: 372.418+/-0.067 χ^2/NDF: 2279731.4/27

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 359.396+/-0.063 χ^2/NDF: 3347925.5/32

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

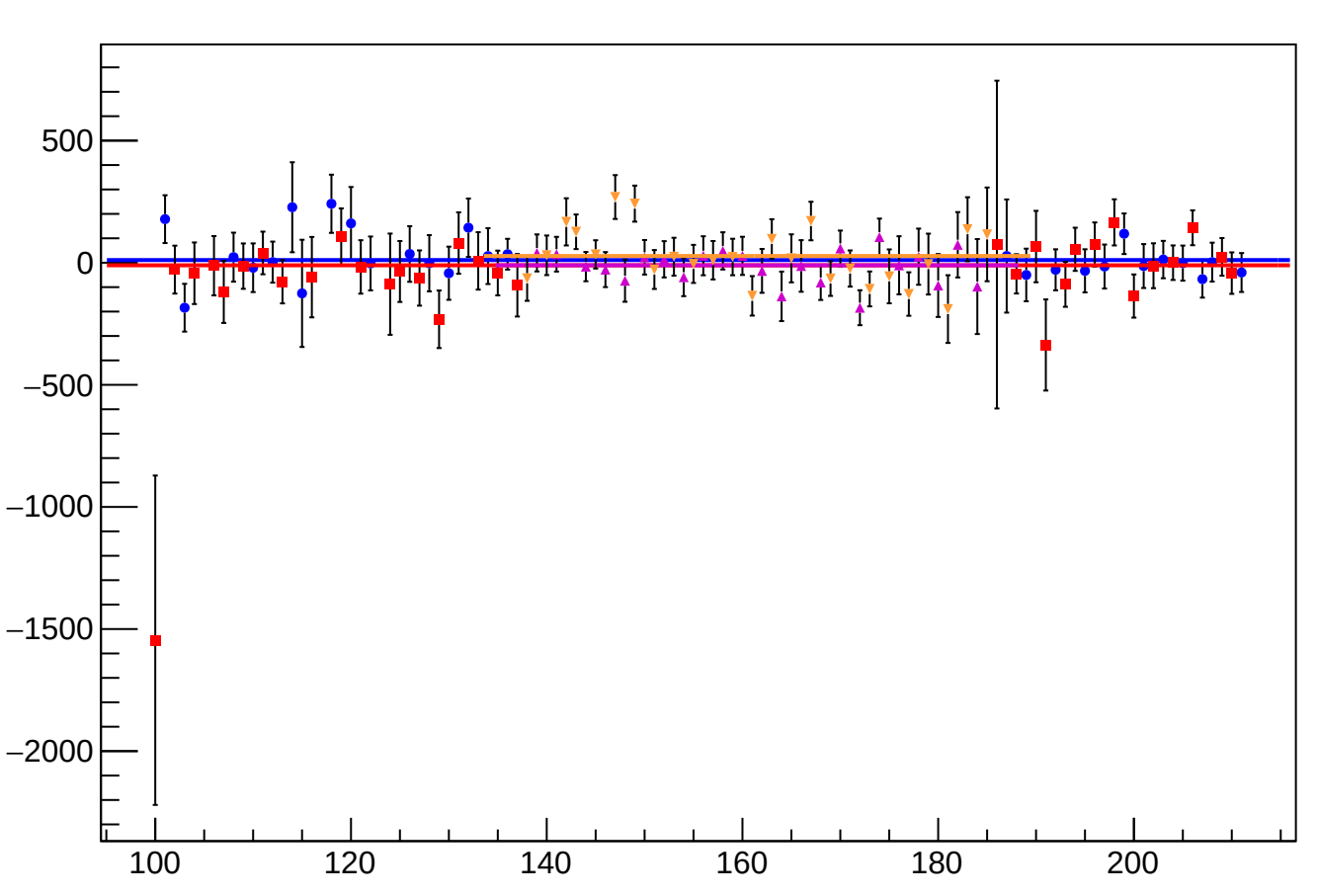
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 365.482+/-0.046 χ^2/NDF: 5647668.7/60

In: 375.839+/-0.046 χ^2/NDF:2812307.3/50

Out: 368.823+/-0.044 χ^2/NDF:4028447.6/57

All: 372.168+/-0.032 χ^2/NDF: 6852905.5/108



Right In: 10.942+/-18.092 χ^2/NDF: 19.4/27

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.516+/-18.014 χ^2/NDF: 29.2/32

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

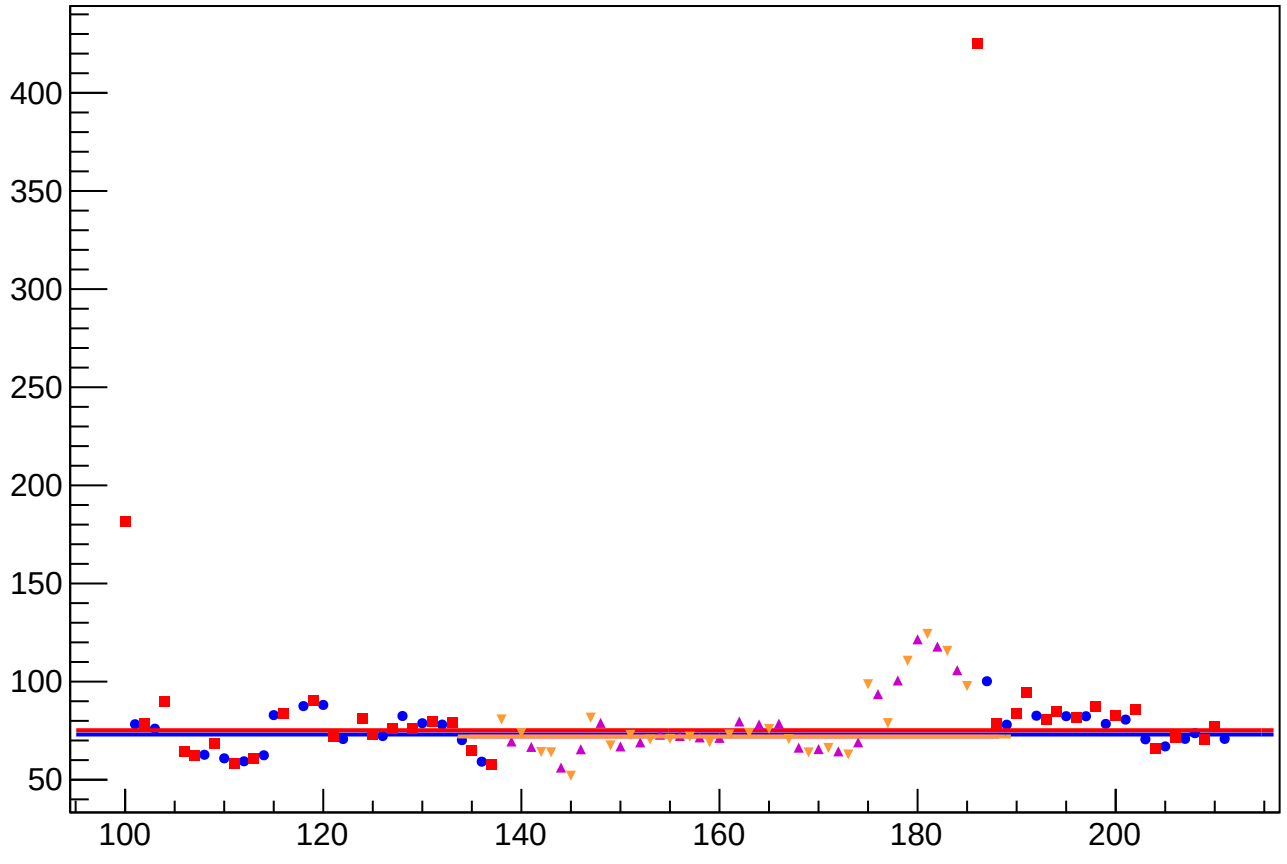
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 0.166+/-12.766 χ^2/NDF: 49.3/60

In: -0.317+/-12.475 χ^2/NDF:36.2/50

Out: 9.949+/-12.264 χ^2/NDF:73.9/57

All: 4.904+/-8.746 χ^2/NDF: 110.5/108



Right In: 73.051+/-0.013 χ^2/NDF: 437141.1/27

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.235+/-0.013 χ^2/NDF: 1103939.8/32

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

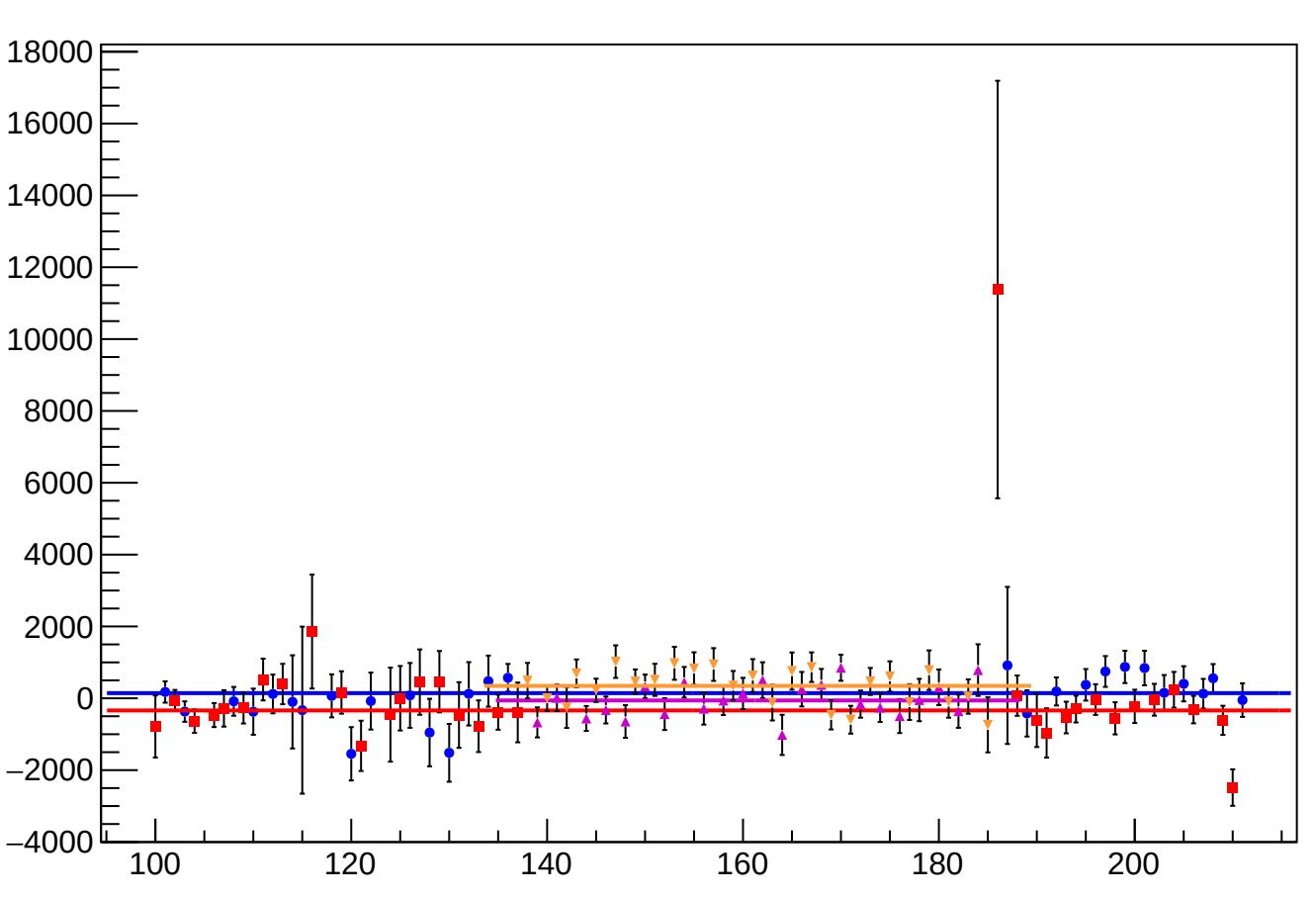
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 74.148+/-0.009 χ^2/NDF: 1555720.5/60

In: 72.548+/-0.009 χ^2/NDF:1498934.6/50

Out: 73.521+/-0.009 χ^2/NDF:2407165.7/57

All: 73.043+/-0.006 χ^2/NDF: 3912290.3/108



Right In: 143.897+/-95.007 χ^2/NDF: 26.1/27

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -338.505+/-88.991 χ^2/NDF: 39.7/32

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

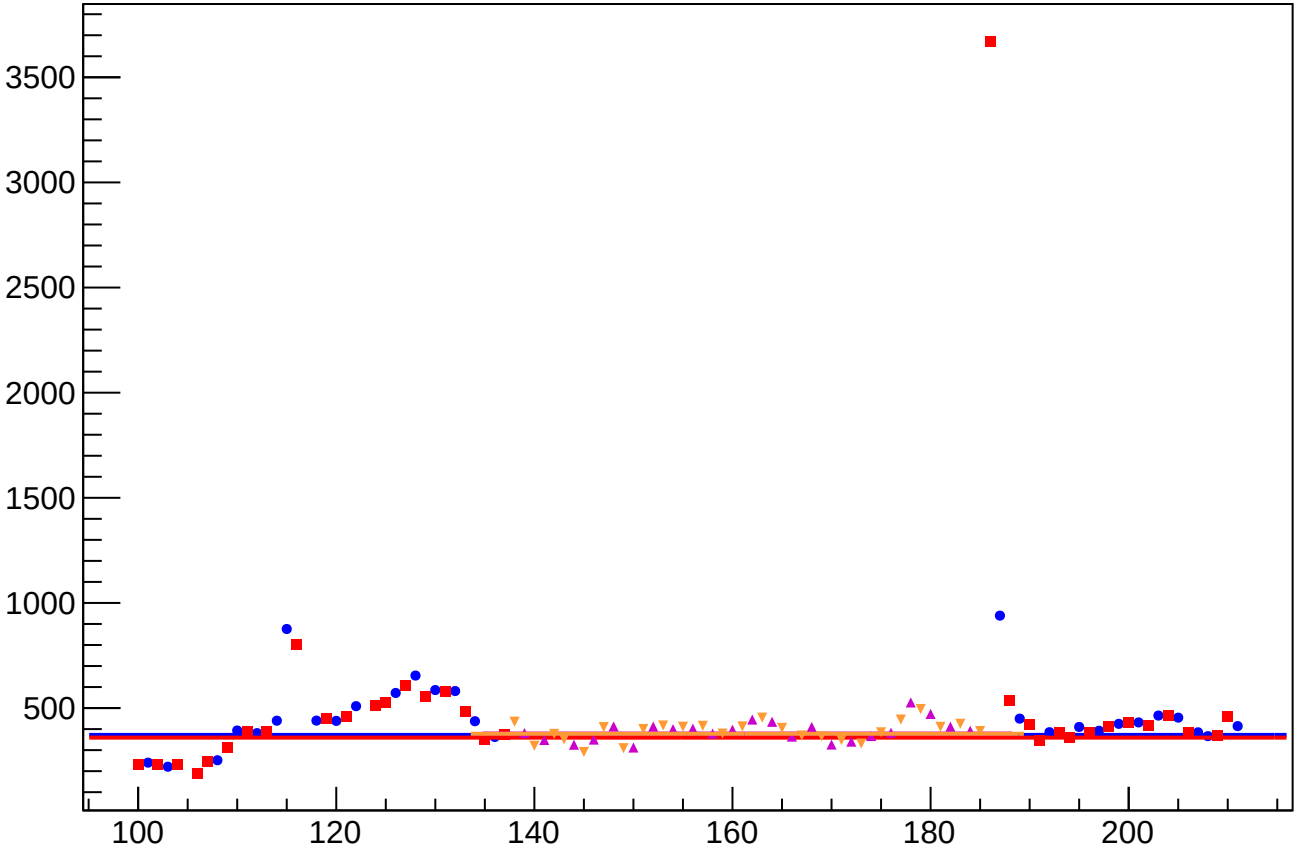
Right: -113.061+/-64.949 χ^2/NDF: 79.5/60

In: 35.816+/-65.112 χ^2/NDF:54.4/50

Out: 12.174+/-62.145 χ^2/NDF:99.0/57

All: 23.444+/-44.955 χ^2/NDF: 153.4/108

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 372.418+/-0.067 χ^2/NDF: 2279722.1/27

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 359.396+/-0.063 χ^2/NDF: 3347911.9/32

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

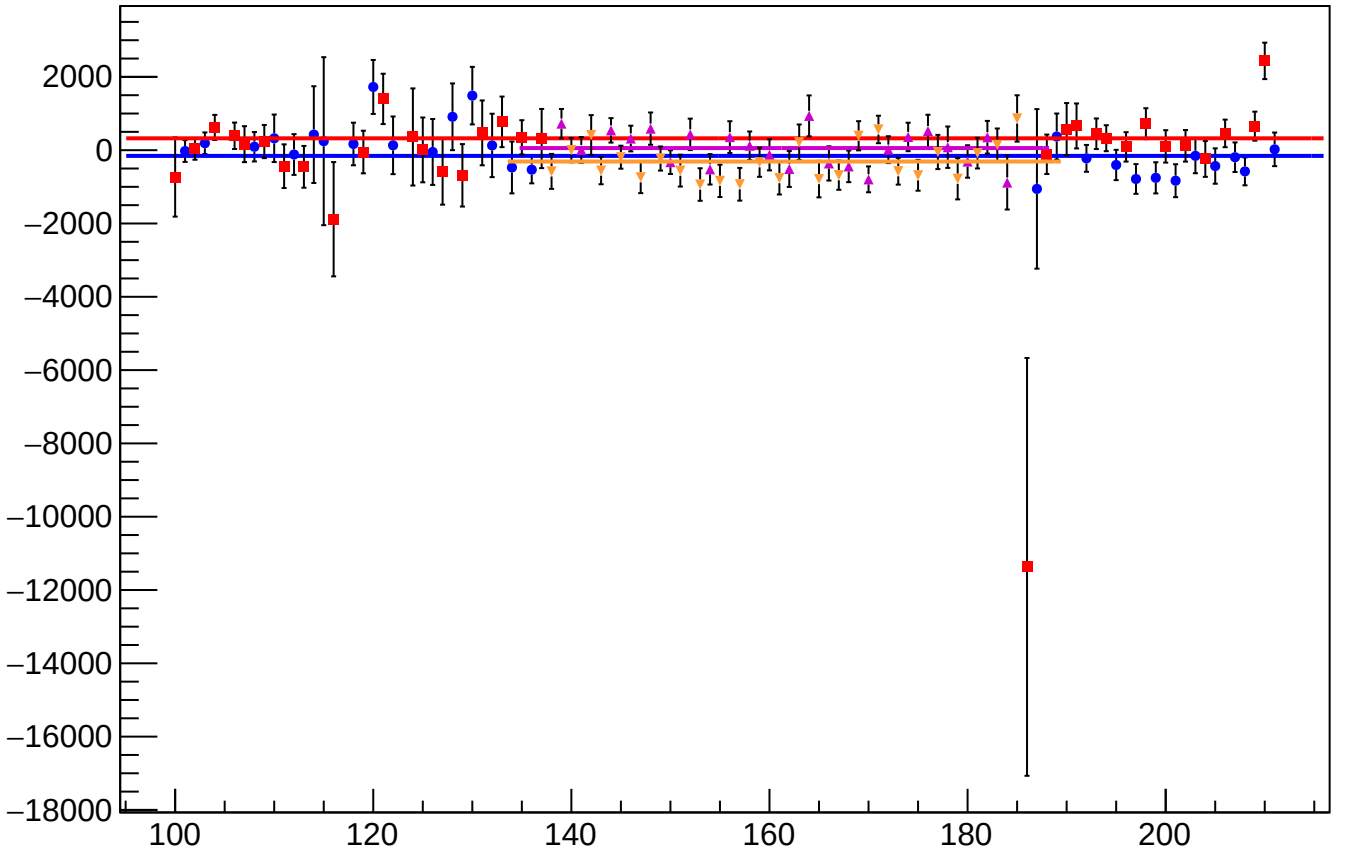
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 365.482+/-0.046 χ^2/NDF: 5647646.6/60

In: 375.839+/-0.046 χ^2/NDF:2812293.1/50

Out: 368.823+/-0.044 χ^2/NDF:4028432.9/57

All: 372.168+/-0.032 χ^2/NDF: 6852877.2/108



Right In: -155.836+/-92.986 χ^2/NDF: 26.5/27

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 323.679+/-88.171 χ^2/NDF: 41.5/32

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

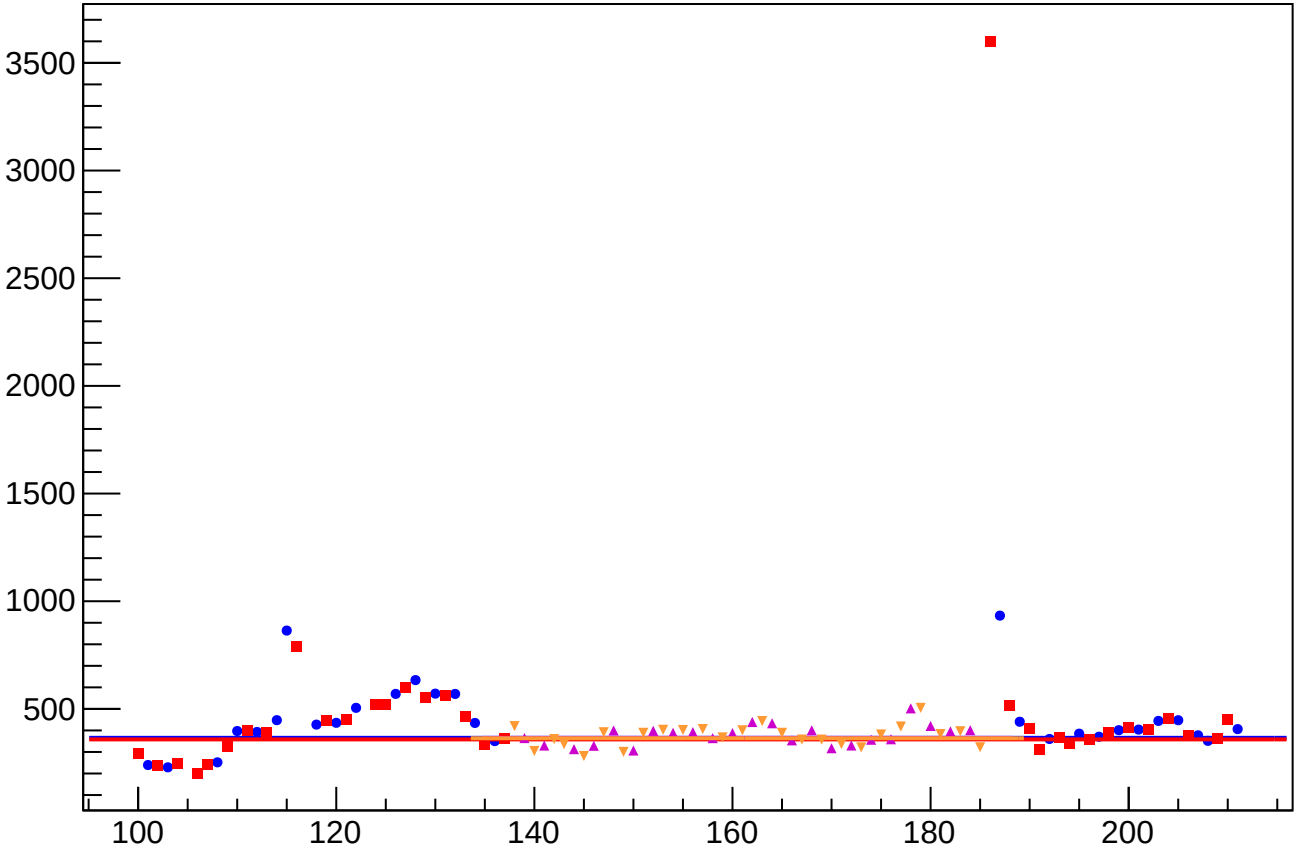
Right: 96.659+/-63.981 χ^2/NDF: 82.0/60

In: -41.107+/-63.225 χ^2/NDF:57.3/50

Out: -9.259+/-60.706 χ^2/NDF:98.6/57

All: -24.536+/-43.789 χ^2/NDF: 156.0/108

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 365.639+/-0.066 χ^2/NDF: 2047963.5/27

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 358.388+/-0.062 χ^2/NDF: 2875877.8/32

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

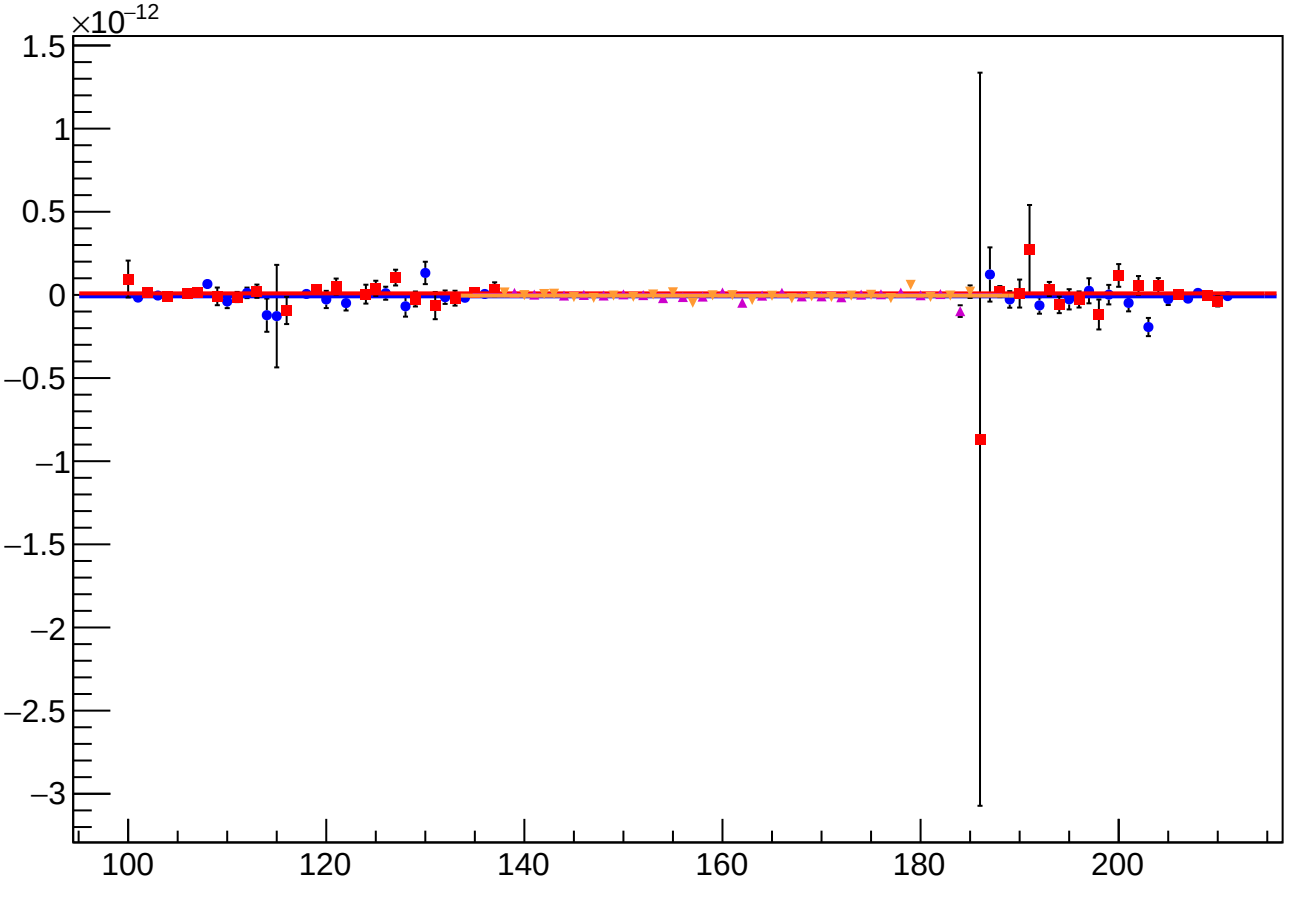
Right: 361.821+/-0.045 χ^2/NDF: 4930245.5/60

In: 365.470+/-0.045 χ^2/NDF:2557472.3/50

Out: 361.189+/-0.043 χ^2/NDF:3548960.4/57

All: 363.243+/-0.031 χ^2/NDF: 6111202.4/108

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/32

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

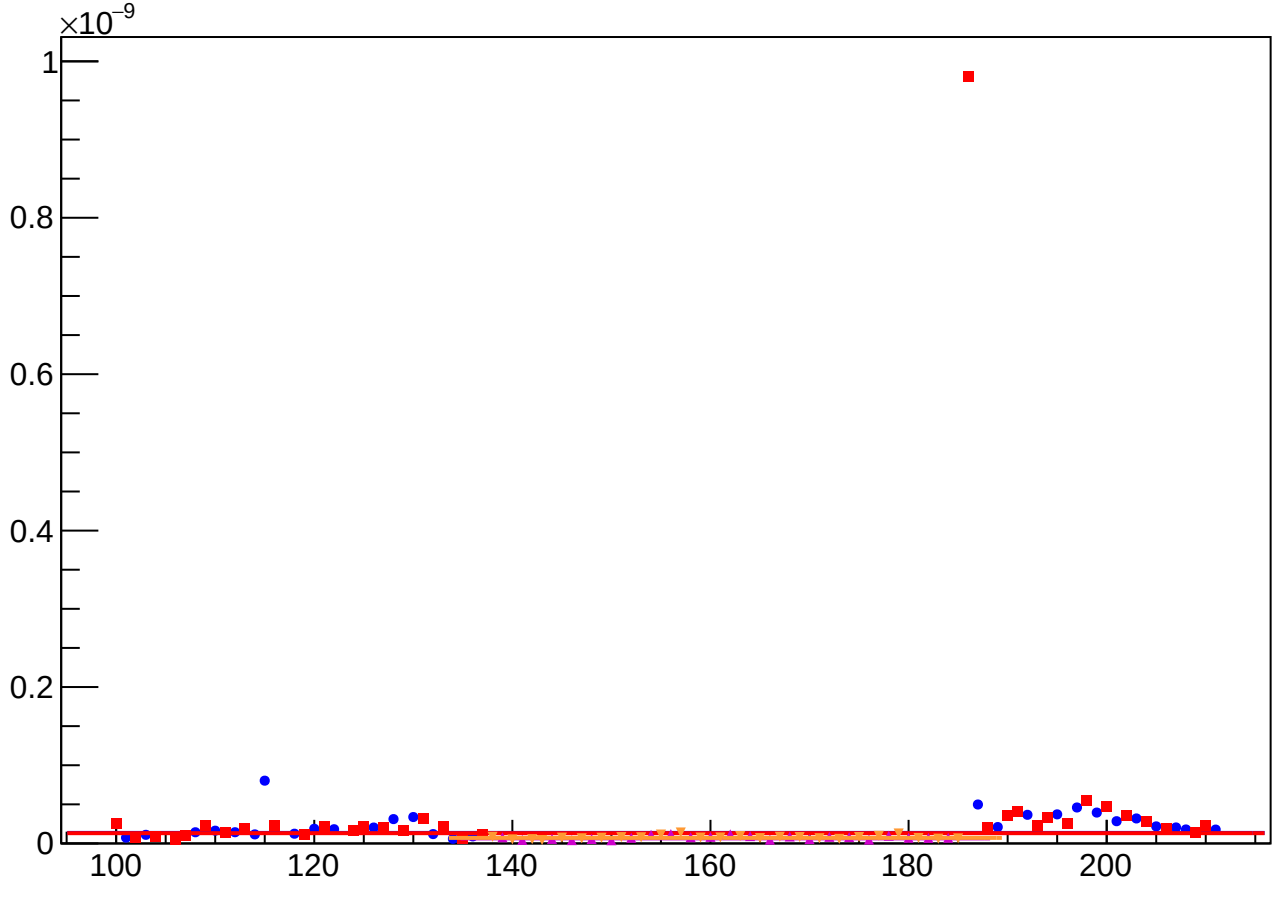
Right: 0.000+/-0.000 χ^2/NDF: 62.4/60

In: -0.000+/-0.000 χ^2/NDF:55.4/50

Out: -0.000+/-0.000 χ^2/NDF:51.8/57

All: -0.000+/-0.000 χ^2/NDF: 107.2/108

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4002527.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4867471.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

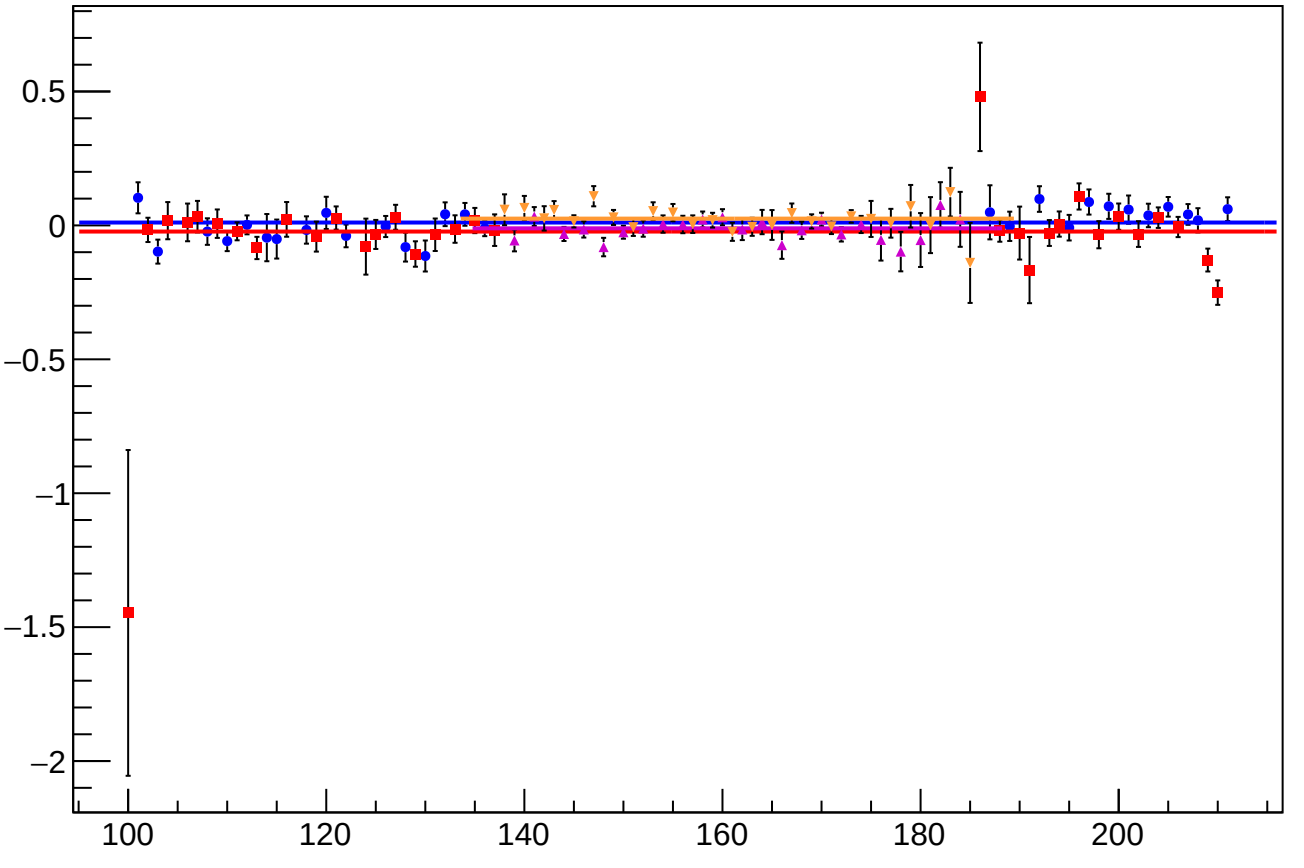
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8873192.4/60

In: 0.000+/-0.000 χ^2/NDF:7717806.1/50

Out: 0.000+/-0.000 χ^2/NDF:7648485.1/57

All: 0.000+/-0.000 χ^2/NDF: 15419525.9/108



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

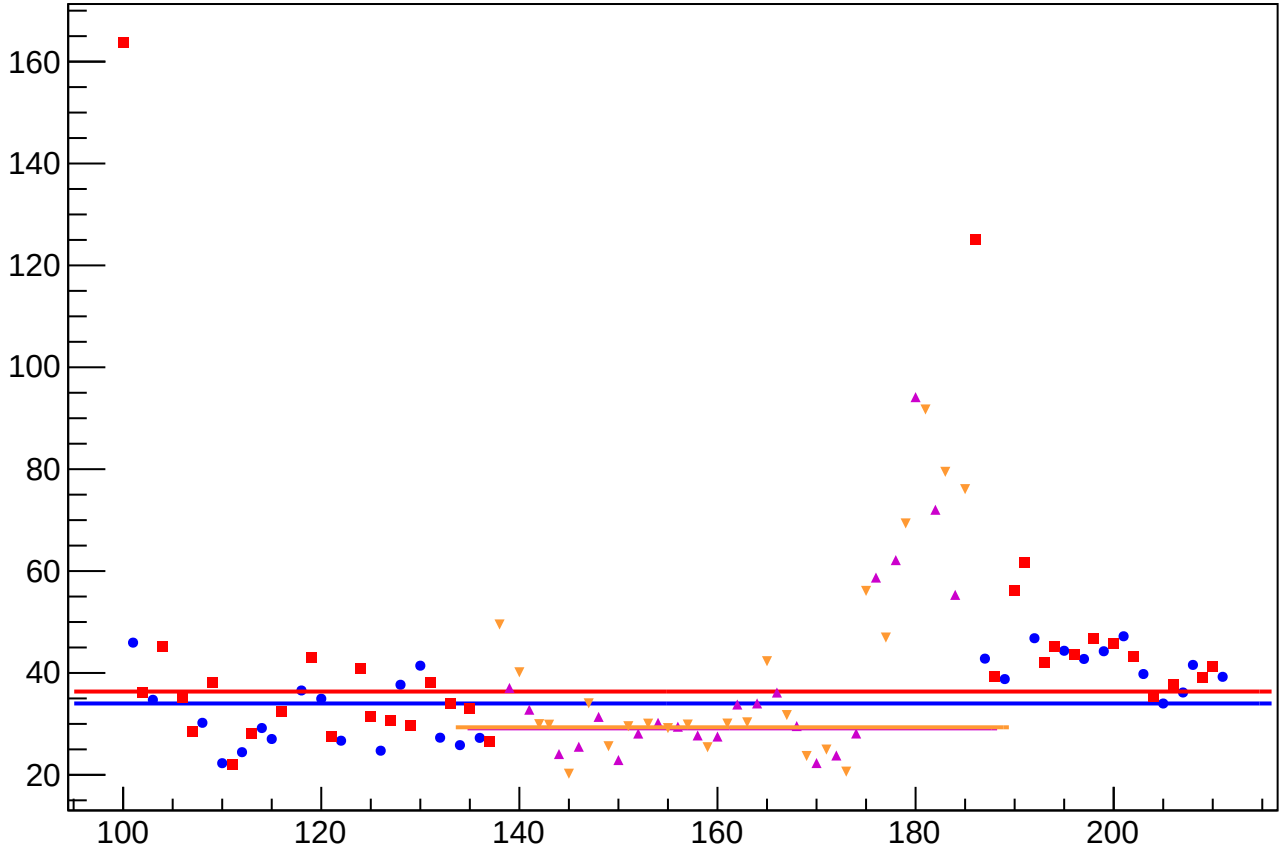
Right: -0.006+/-0.006 χ^2/NDF: 112.6/60

In: -0.002+/-0.006 χ^2/NDF:61.2/50

Out: 0.006+/-0.006 χ^2/NDF:101.9/57

All: 0.002+/-0.004 χ^2/NDF: 164.2/108

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.011+/-0.006 χ^2/NDF: 1591201.1/27

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.351+/-0.006 χ^2/NDF: 1816242.6/32

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

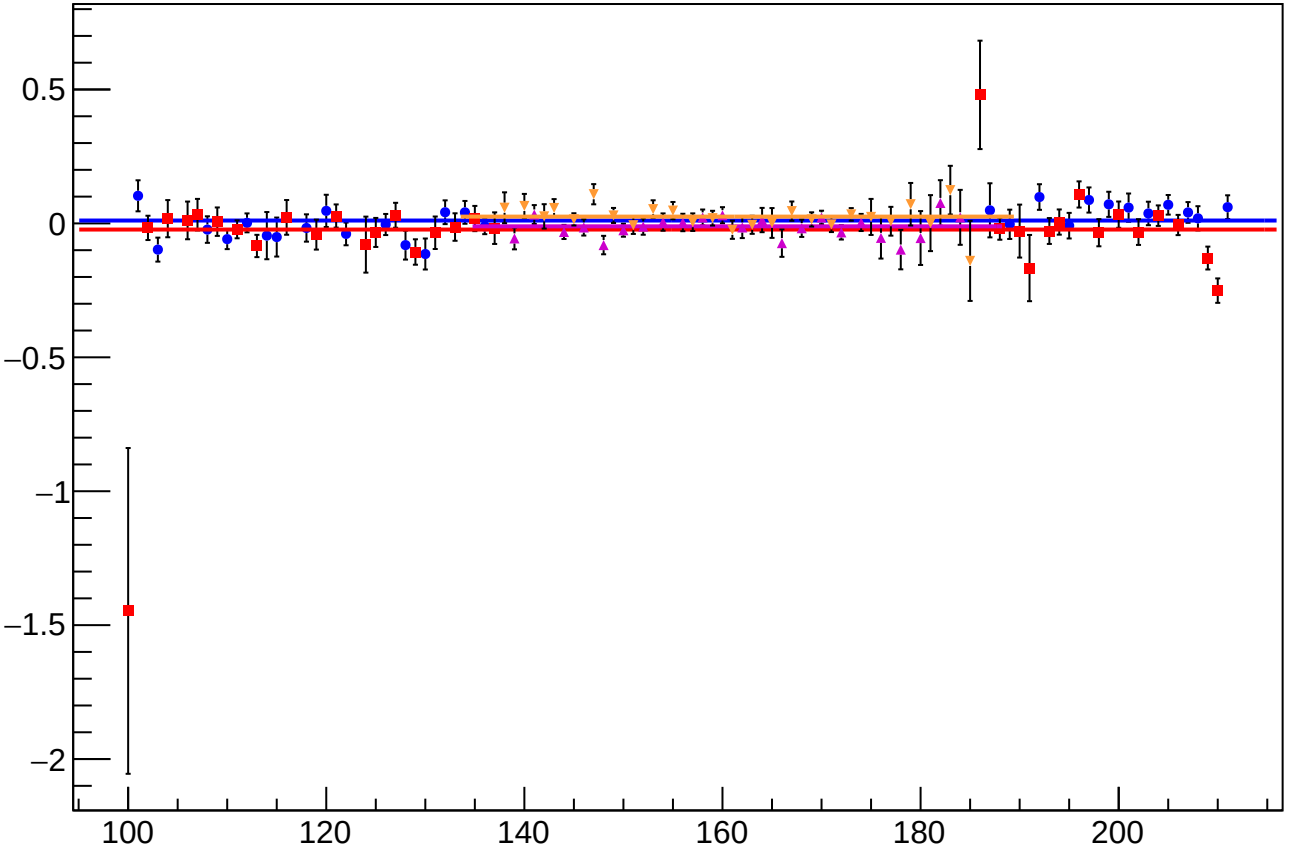
Right: 35.149+/-0.004 χ^2/NDF: 3478177.6/60

In: 31.148+/-0.004 χ^2/NDF:4801778.8/50

Out: 32.092+/-0.004 χ^2/NDF:6442056.9/57

All: 31.620+/-0.003 χ^2/NDF: 11272379.5/108

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

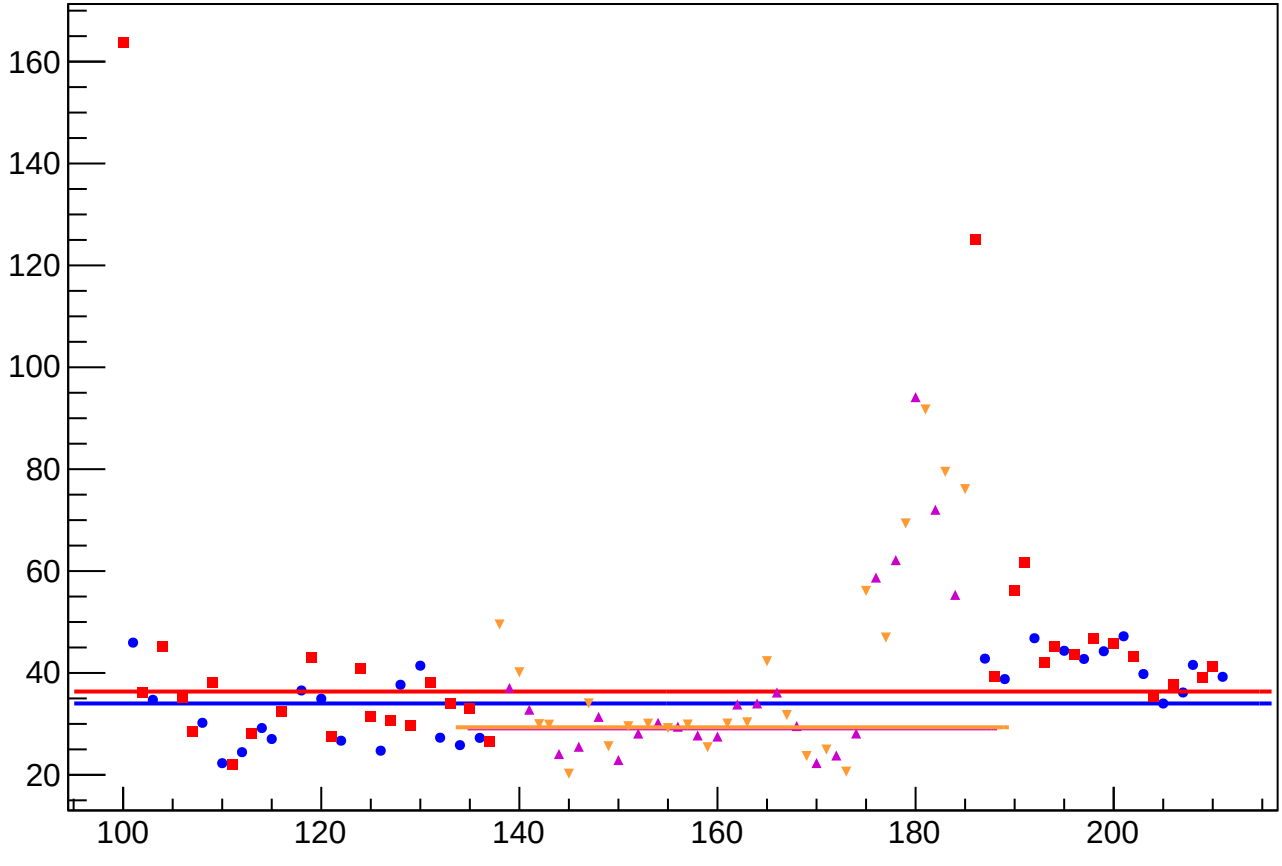
Right: -0.006+/-0.006 χ^2/NDF: 112.6/60

In: -0.002+/-0.006 χ^2/NDF:61.2/50

Out: 0.006+/-0.006 χ^2/NDF:101.9/57

All: 0.002+/-0.004 χ^2/NDF: 164.2/108

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.011+/-0.006 χ^2/NDF: 1591201.1/27

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.351+/-0.006 χ^2/NDF: 1816242.6/32

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

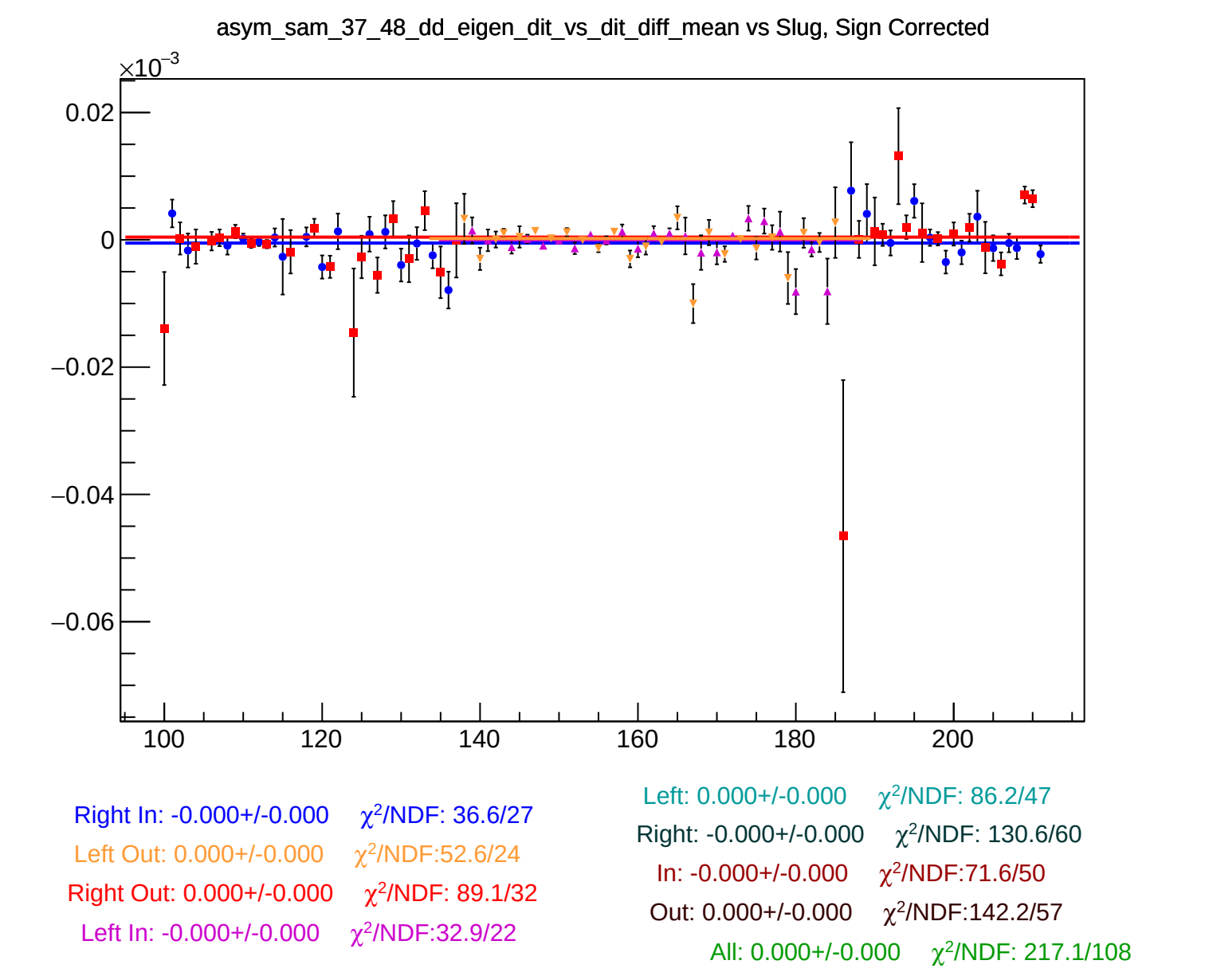
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.149+/-0.004 χ^2/NDF: 3478177.6/60

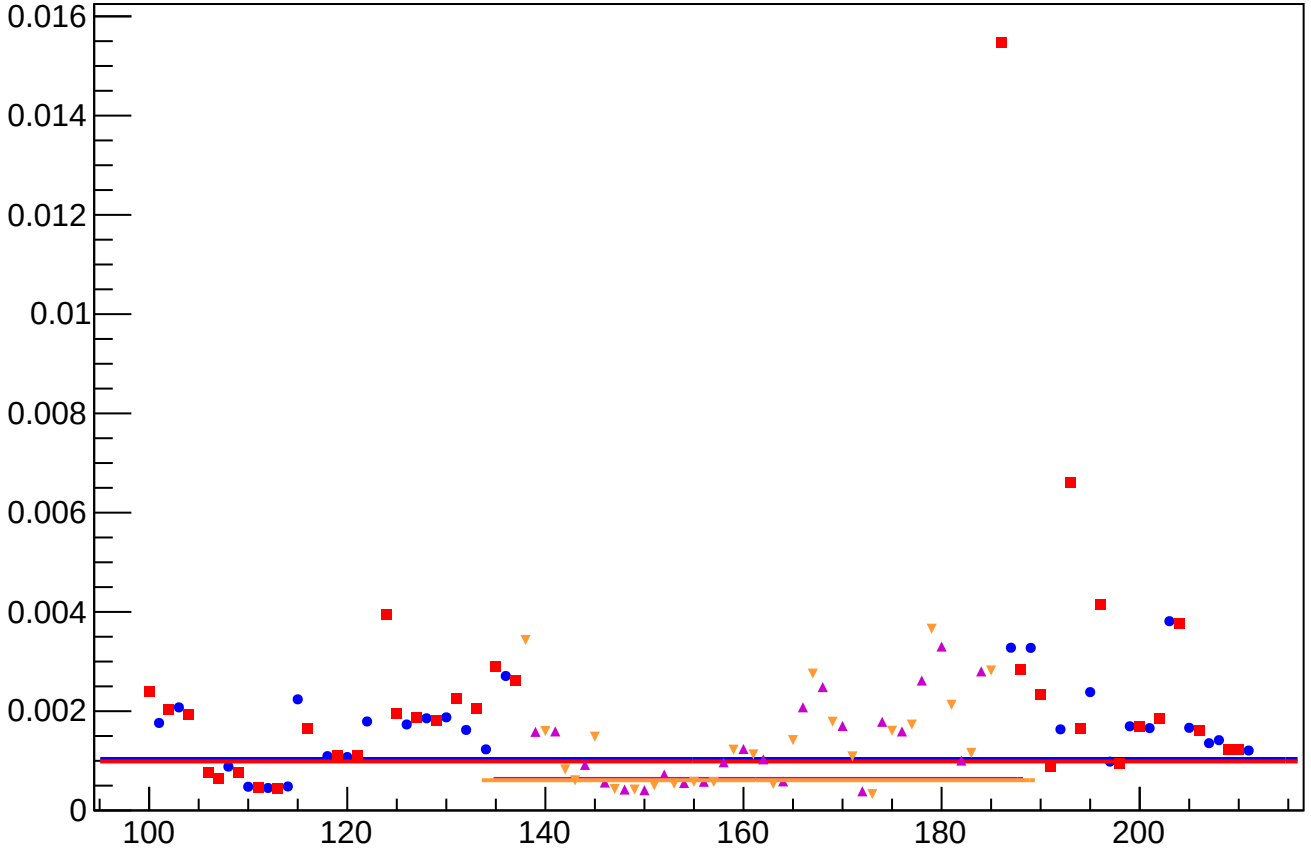
In: 31.148+/-0.004 χ^2/NDF:4801778.8/50

Out: 32.092+/-0.004 χ^2/NDF:6442056.9/57

All: 31.620+/-0.003 χ^2/NDF: 11272379.5/108


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: 36.6/27
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 89.1/32
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: 130.6/60
In: -0.000+/-0.000 χ²/NDF:71.6/50
Out: 0.000+/-0.000 χ²/NDF:142.2/57
All: 0.000+/-0.000 χ²/NDF: 217.1/108

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8296786.3/27

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11218763.9/32

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

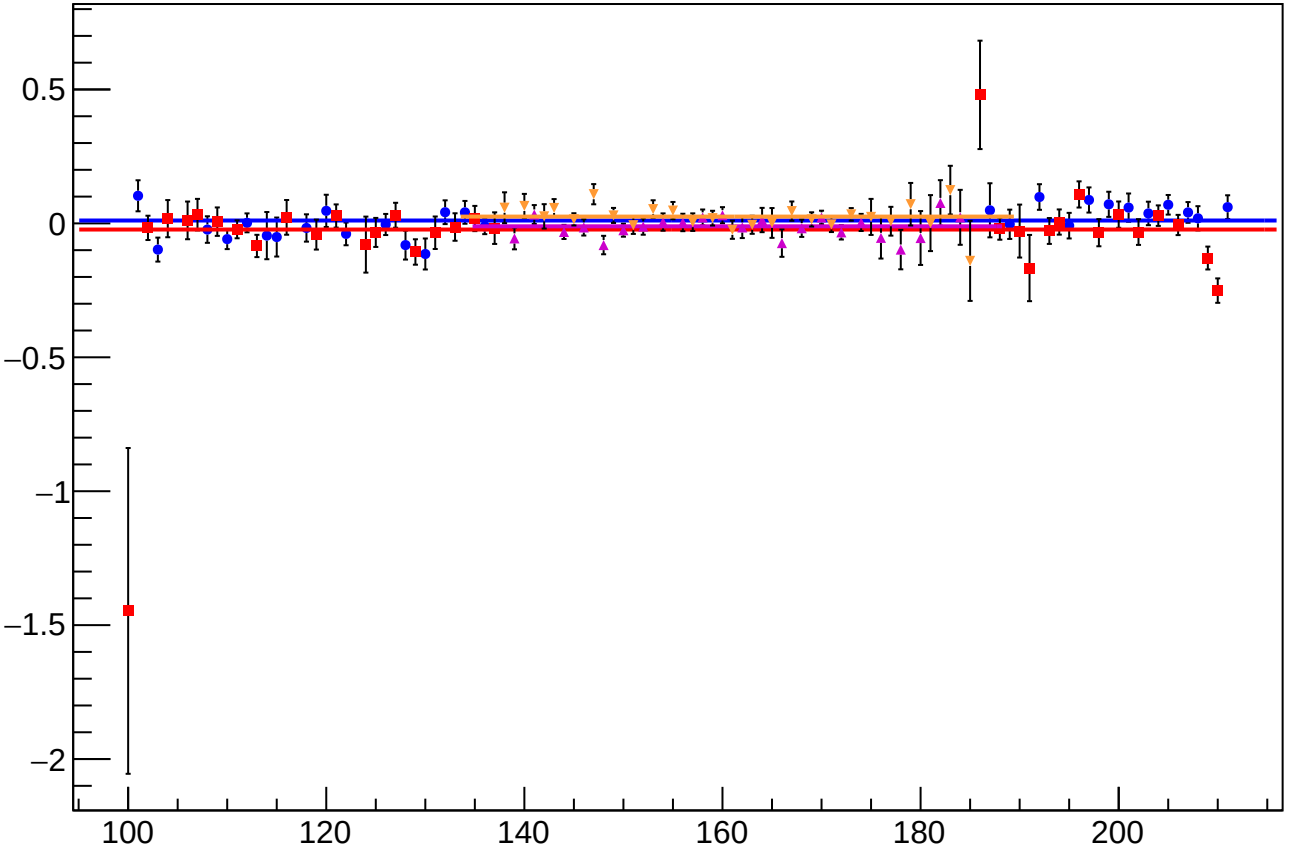
Right: 0.001+/-0.000 χ^2/NDF: 19542916.0/60

In: 0.001+/-0.000 χ^2/NDF:20209897.7/50

Out: 0.001+/-0.000 χ^2/NDF:24738298.3/57

All: 0.001+/-0.000 χ^2/NDF: 44998729.9/108

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

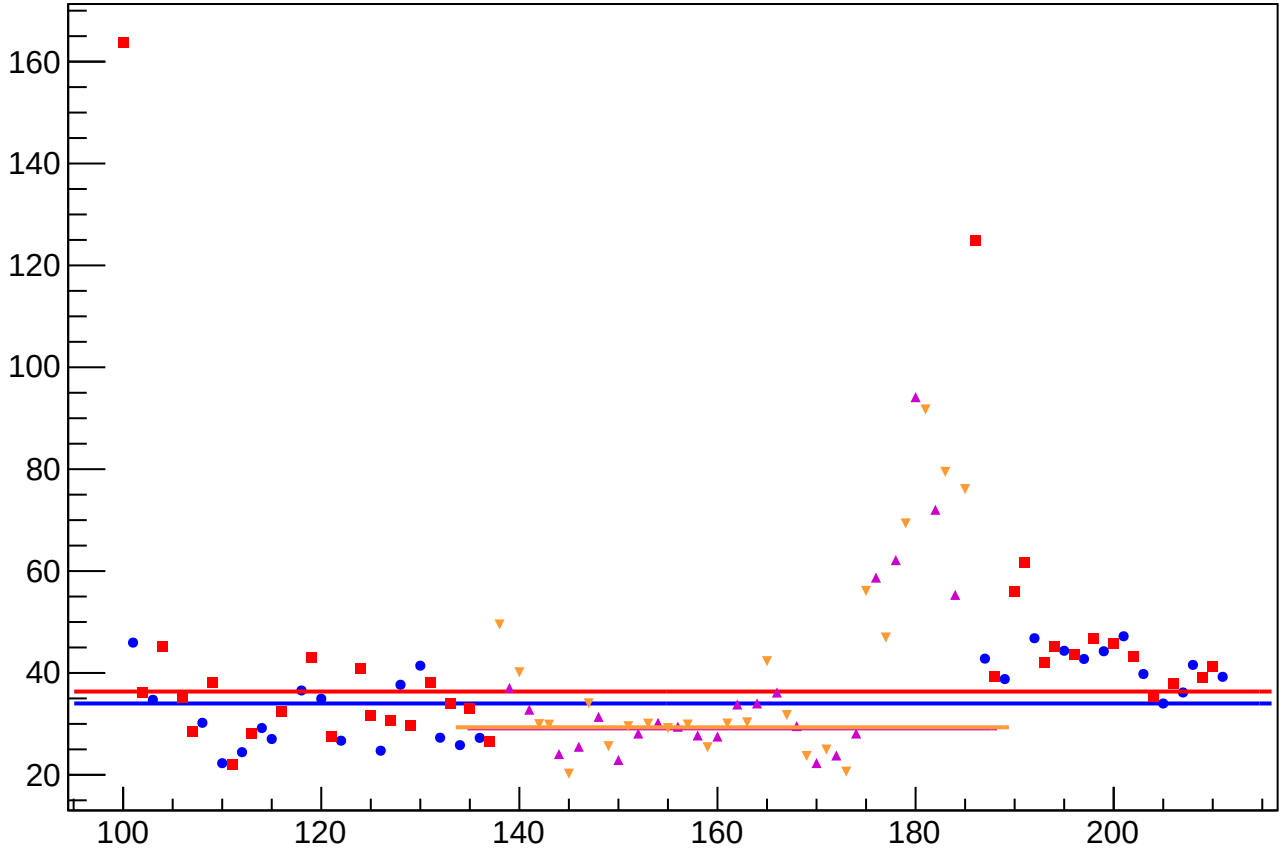
Right: -0.006+/-0.006 χ^2/NDF: 112.6/60

In: -0.002+/-0.006 χ^2/NDF:61.2/50

Out: 0.006+/-0.006 χ^2/NDF:101.9/57

All: 0.002+/-0.004 χ^2/NDF: 164.2/108

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.011+/-0.006 χ^2/NDF: 1591136.2/27

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.352+/-0.006 χ^2/NDF: 1816137.1/32

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

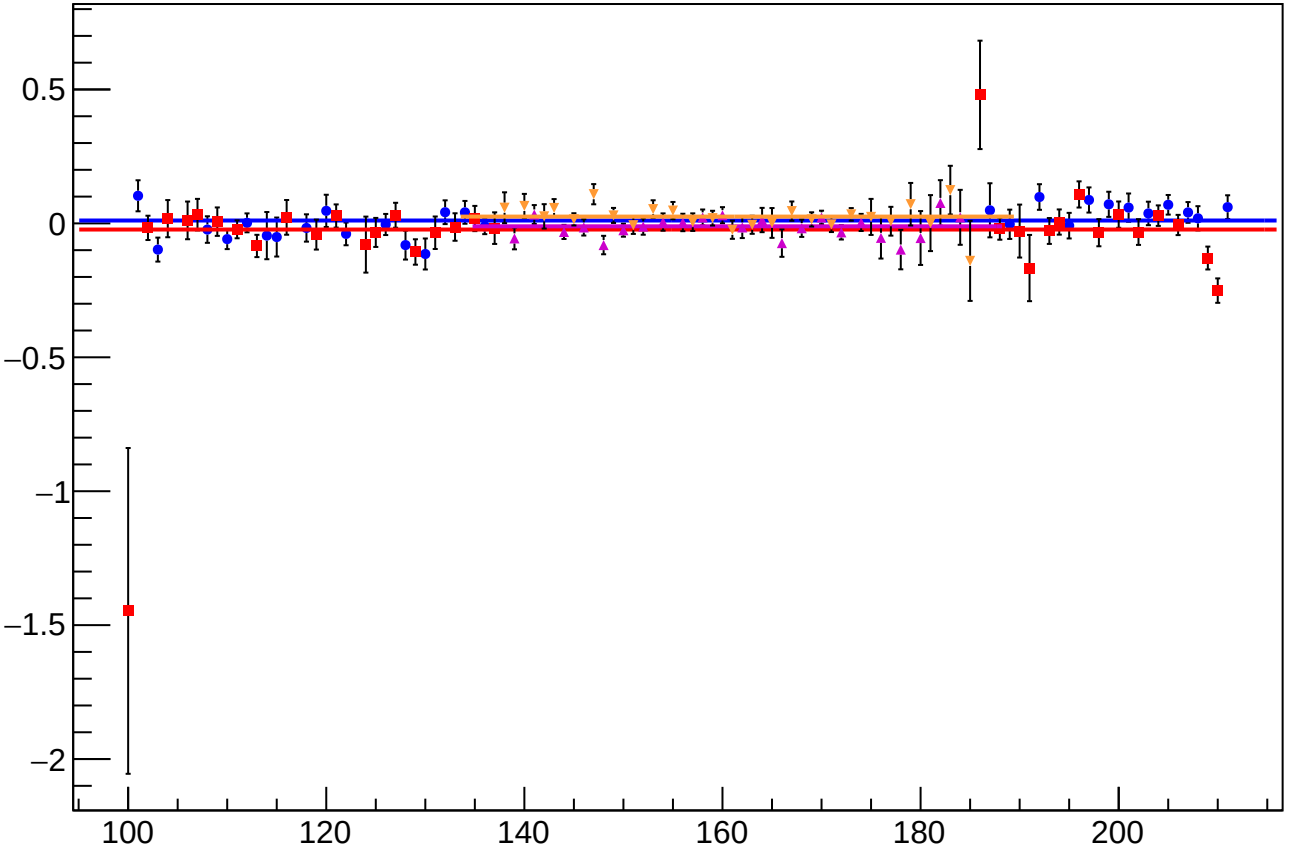
Right: 35.149+/-0.004 χ^2/NDF: 3478008.3/60

In: 31.148+/-0.004 χ^2/NDF:4801708.7/50

Out: 32.092+/-0.004 χ^2/NDF:6442074.5/57

All: 31.619+/-0.003 χ^2/NDF: 11272325.7/108

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 38.5/27

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.023+/-0.009 χ^2/NDF: 66.7/32

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

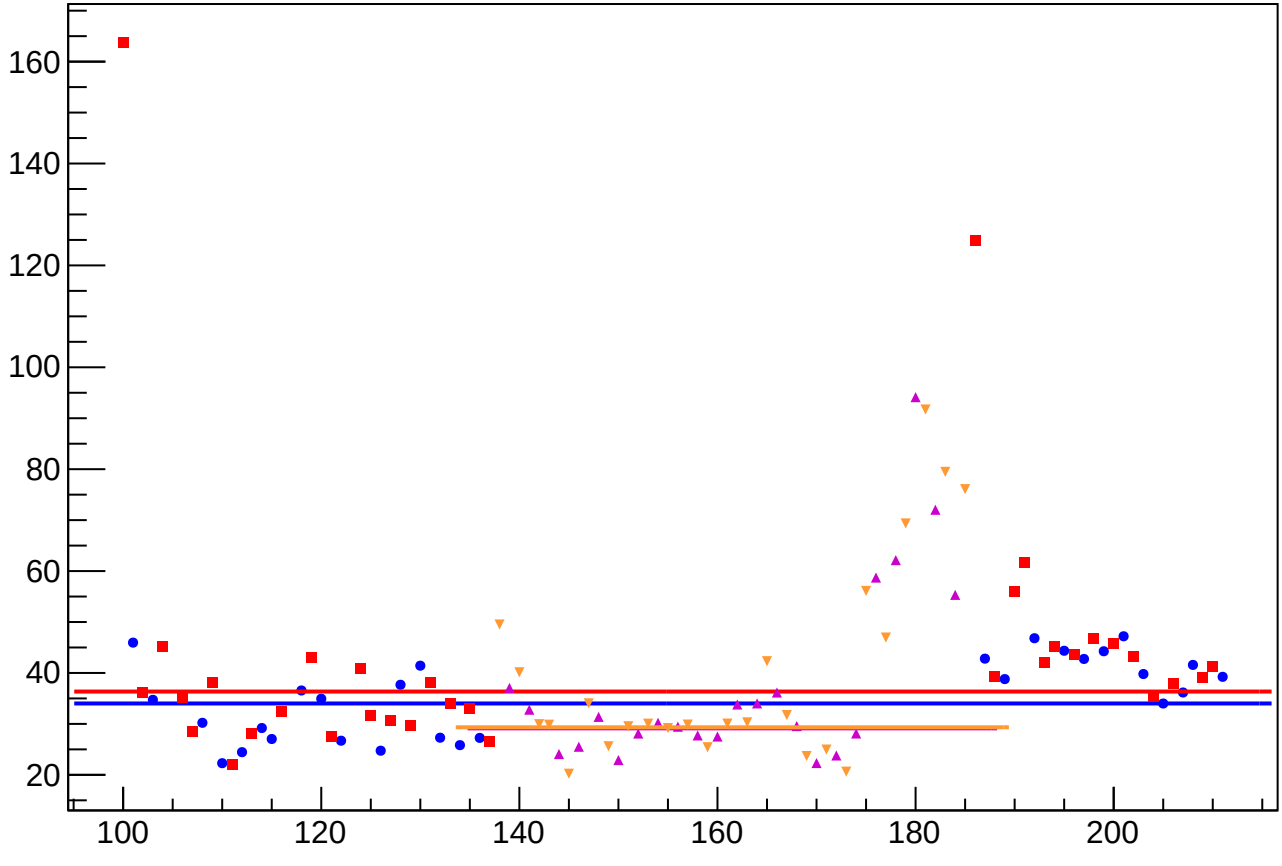
Right: -0.006+/-0.006 χ^2/NDF: 112.6/60

In: -0.002+/-0.006 χ^2/NDF:61.2/50

Out: 0.006+/-0.006 χ^2/NDF:101.9/57

All: 0.002+/-0.004 χ^2/NDF: 164.2/108

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.011+/-0.006 χ^2/NDF: 1591136.2/27

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.352+/-0.006 χ^2/NDF: 1816137.1/32

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

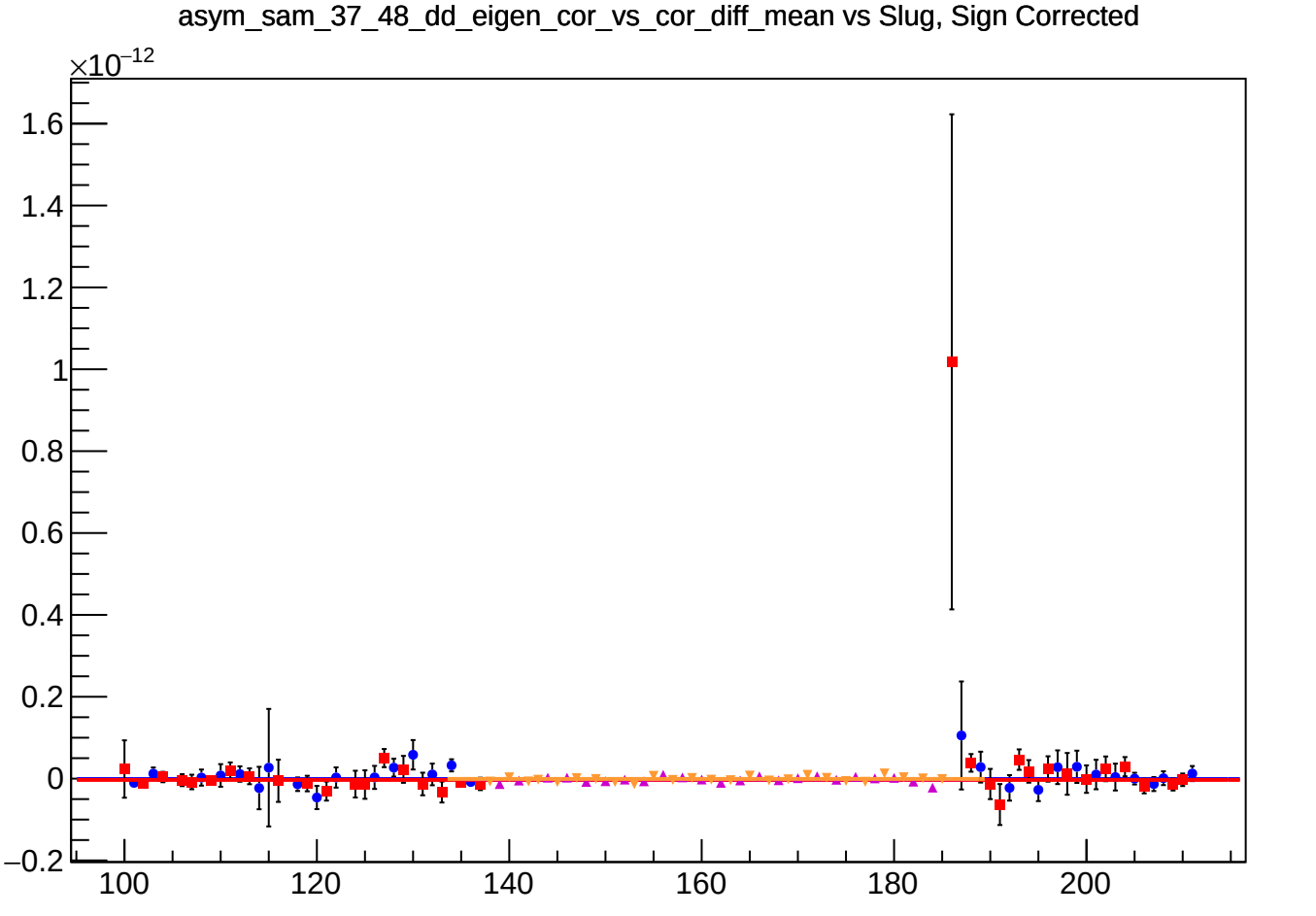
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.149+/-0.004 χ^2/NDF: 3478008.3/60

In: 31.148+/-0.004 χ^2/NDF:4801708.7/50

Out: 32.092+/-0.004 χ^2/NDF:6442074.5/57

All: 31.619+/-0.003 χ^2/NDF: 11272325.7/108



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/27

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/32

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

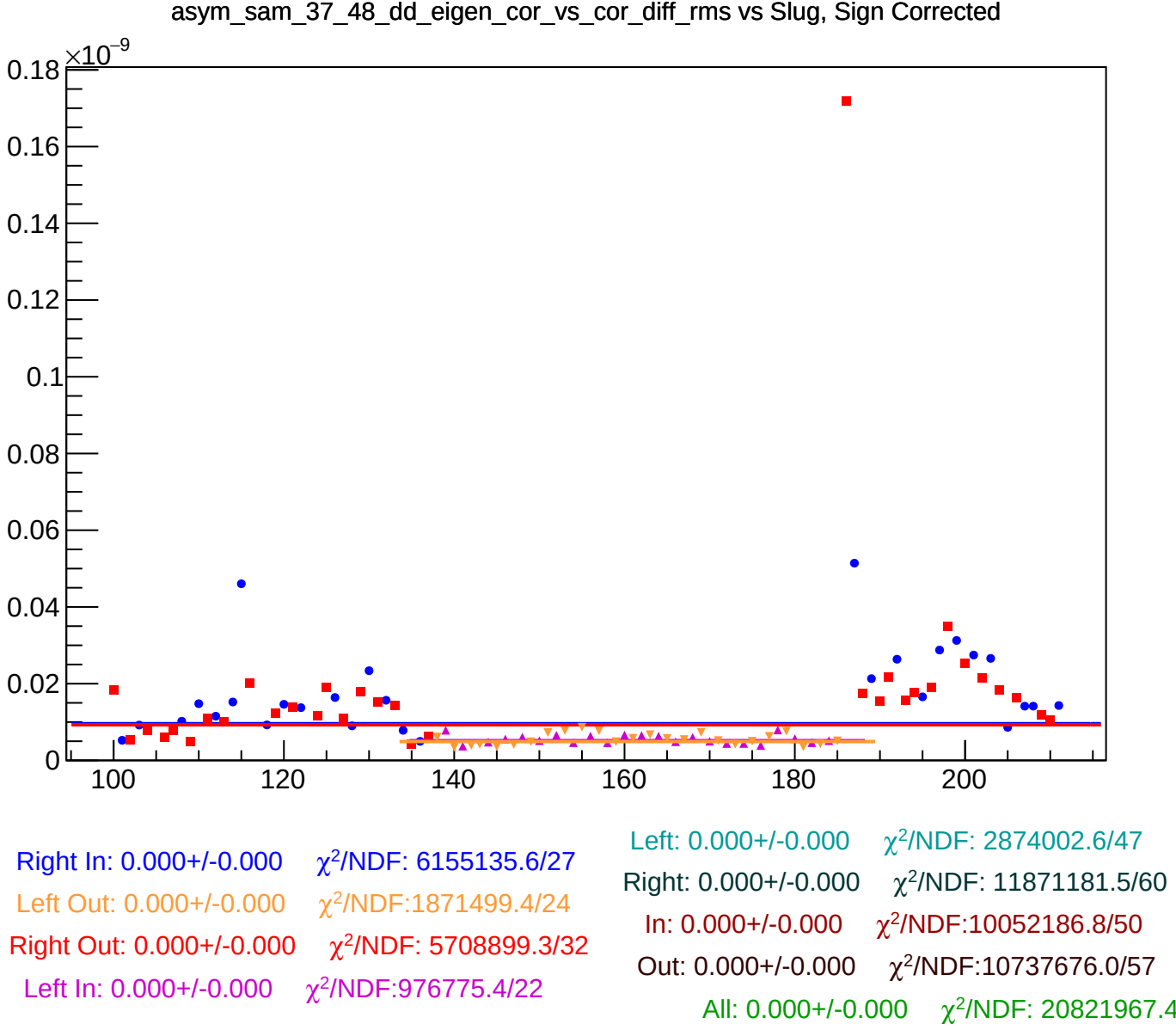
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

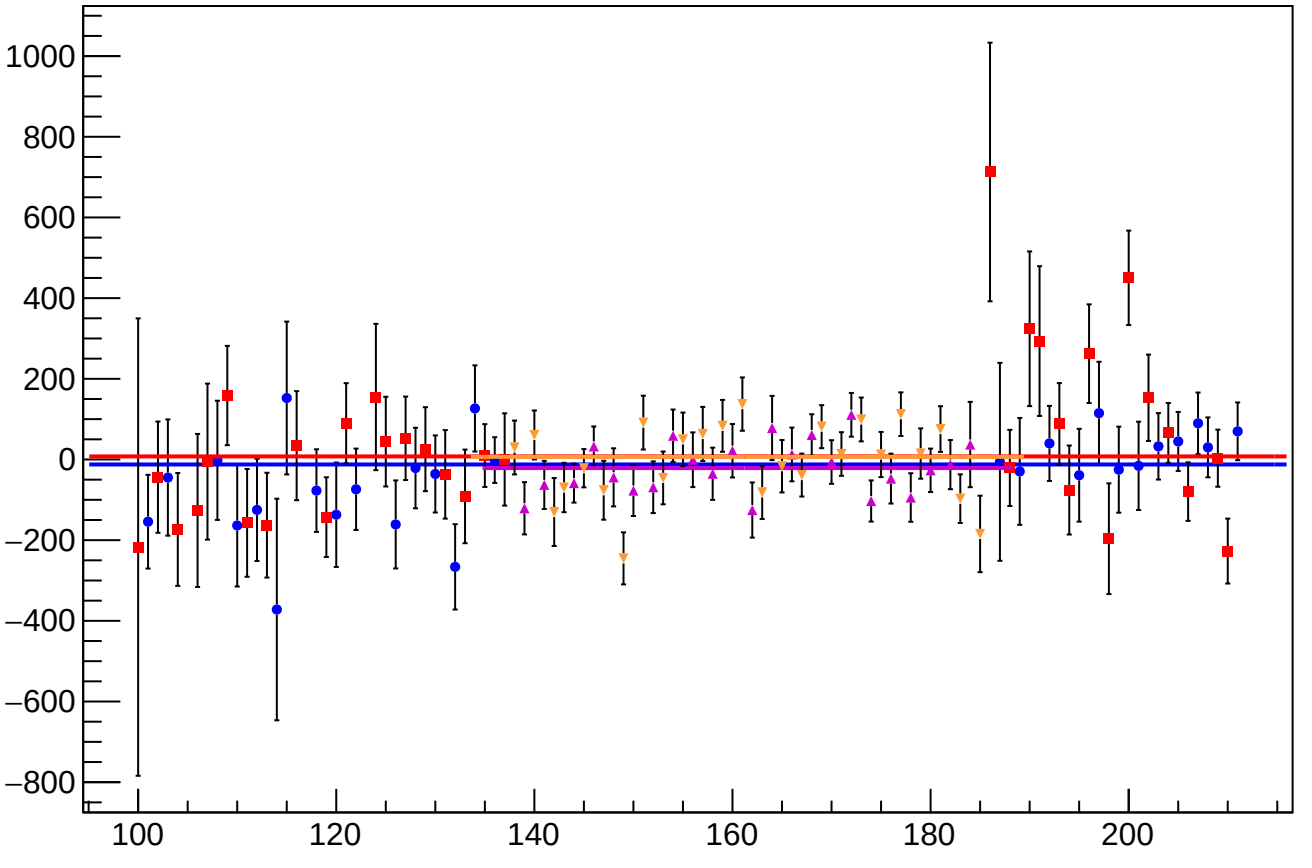
Right: -0.000+/-0.000 χ^2/NDF: 53.3/60

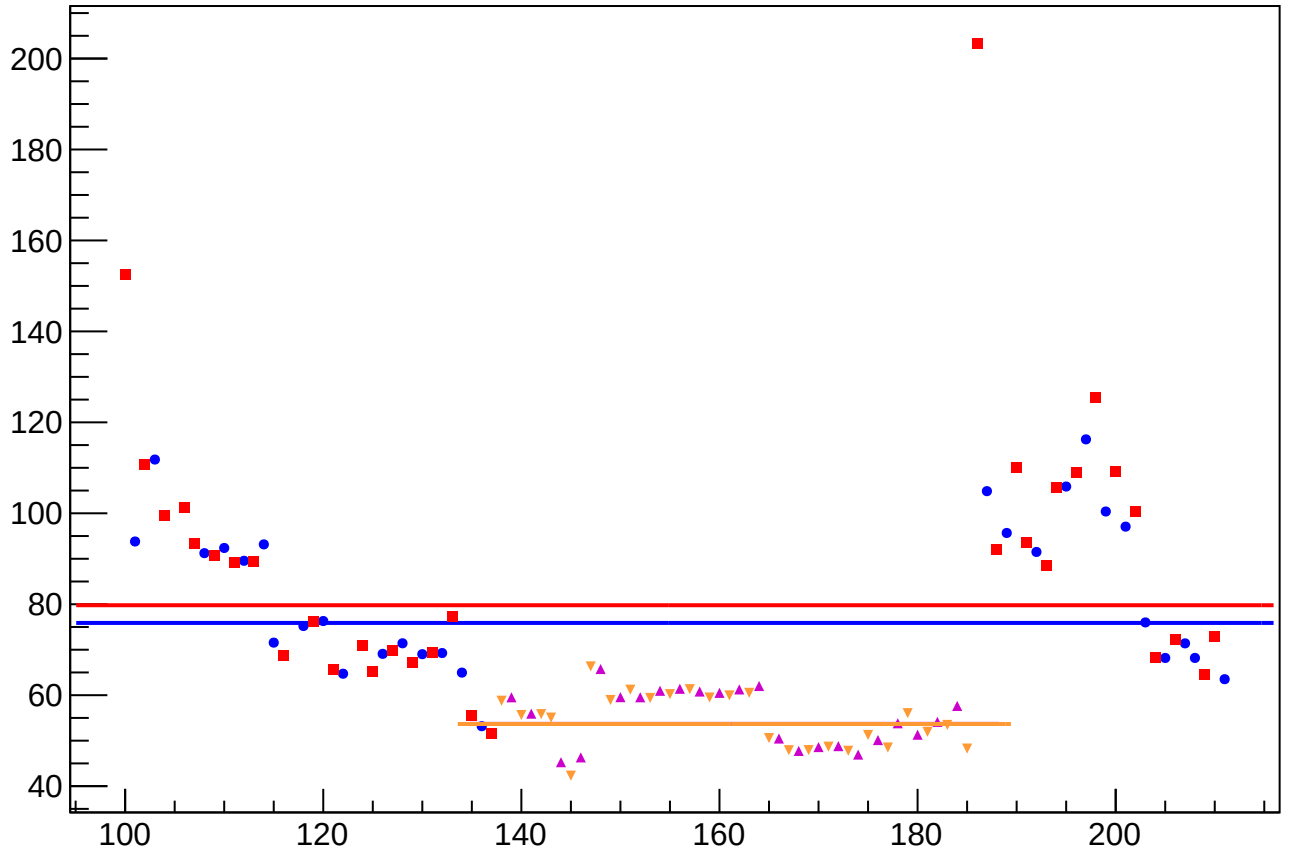
In: -0.000+/-0.000 χ^2/NDF:38.4/50

Out: -0.000+/-0.000 χ^2/NDF:46.7/57

All: -0.000+/-0.000 χ^2/NDF: 85.2/108


asym_sam_37_48_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: 6155135.6/27
Left Out: 0.000+/-0.000 χ²/NDF:1871499.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5708899.3/32
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
Left: 0.000+/-0.000 χ²/NDF: 2874002.6/47
Right: 0.000+/-0.000 χ²/NDF: 11871181.5/60
In: 0.000+/-0.000 χ²/NDF:10052186.8/50
Out: 0.000+/-0.000 χ²/NDF:10737676.0/57
All: 0.000+/-0.000 χ²/NDF: 20821967.4/108


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: -12.354+/-19.136 χ²/NDF: 22.7/27
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 7.643+/-19.385 χ²/NDF: 56.7/32
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: -2.484+/-13.618 χ²/NDF: 79.9/60
In: -18.604+/-10.552 χ²/NDF:48.2/50
Out: 6.844+/-10.378 χ²/NDF:107.3/57
All: -5.668+/-7.399 χ²/NDF: 158.4/108



Right In: 75.891+/-0.014 χ^2/NDF: 1402513.3/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.783+/-0.014 χ^2/NDF: 1955453.5/32

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

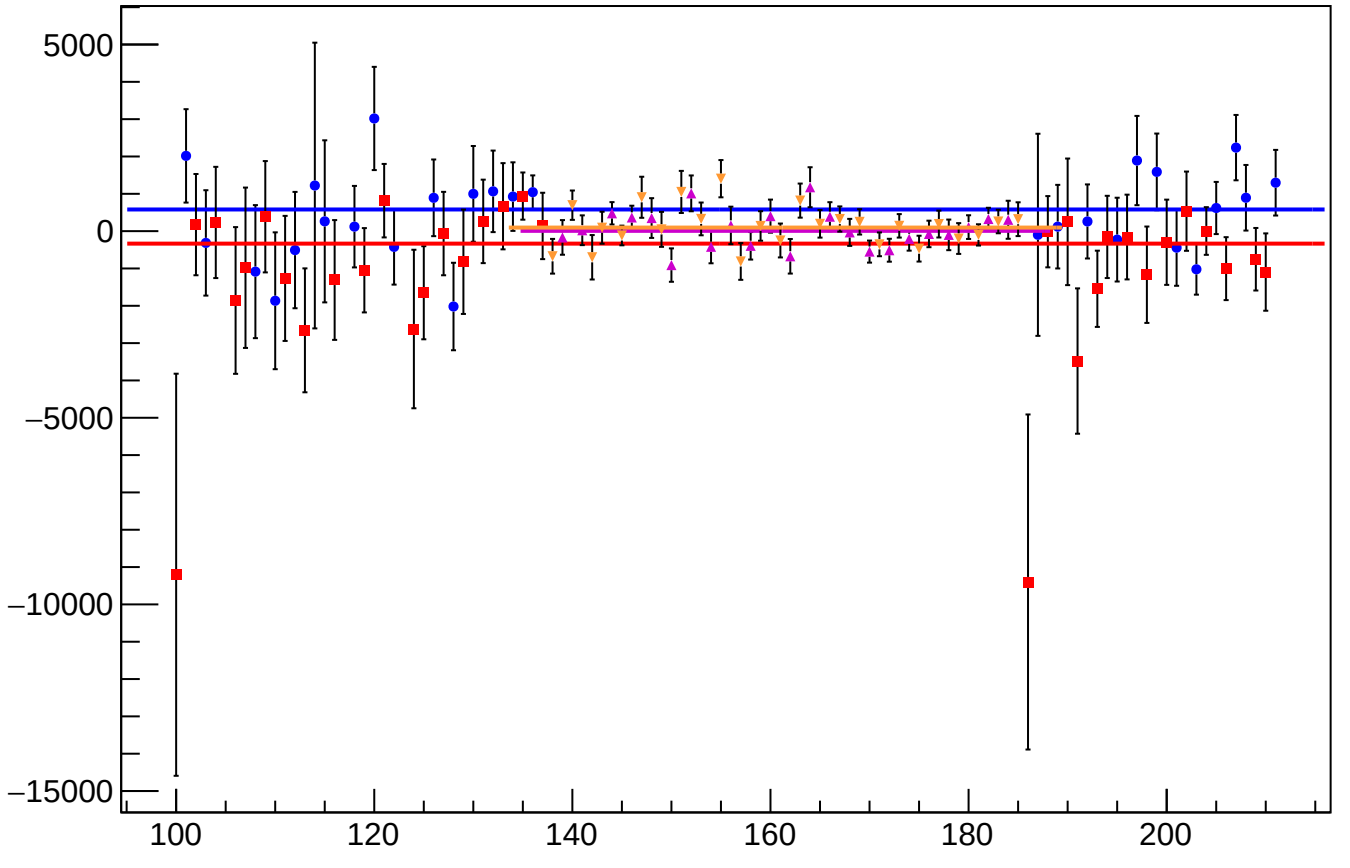
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.812+/-0.010 χ^2/NDF: 3398810.5/60

In: 60.444+/-0.007 χ^2/NDF:3746436.9/50

Out: 61.151+/-0.007 χ^2/NDF:5017710.6/57

All: 60.804+/-0.005 χ^2/NDF: 8768718.2/108



Right In: 580.431+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -334.518+/-199.373 χ^2/NDF: 27.3/32

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

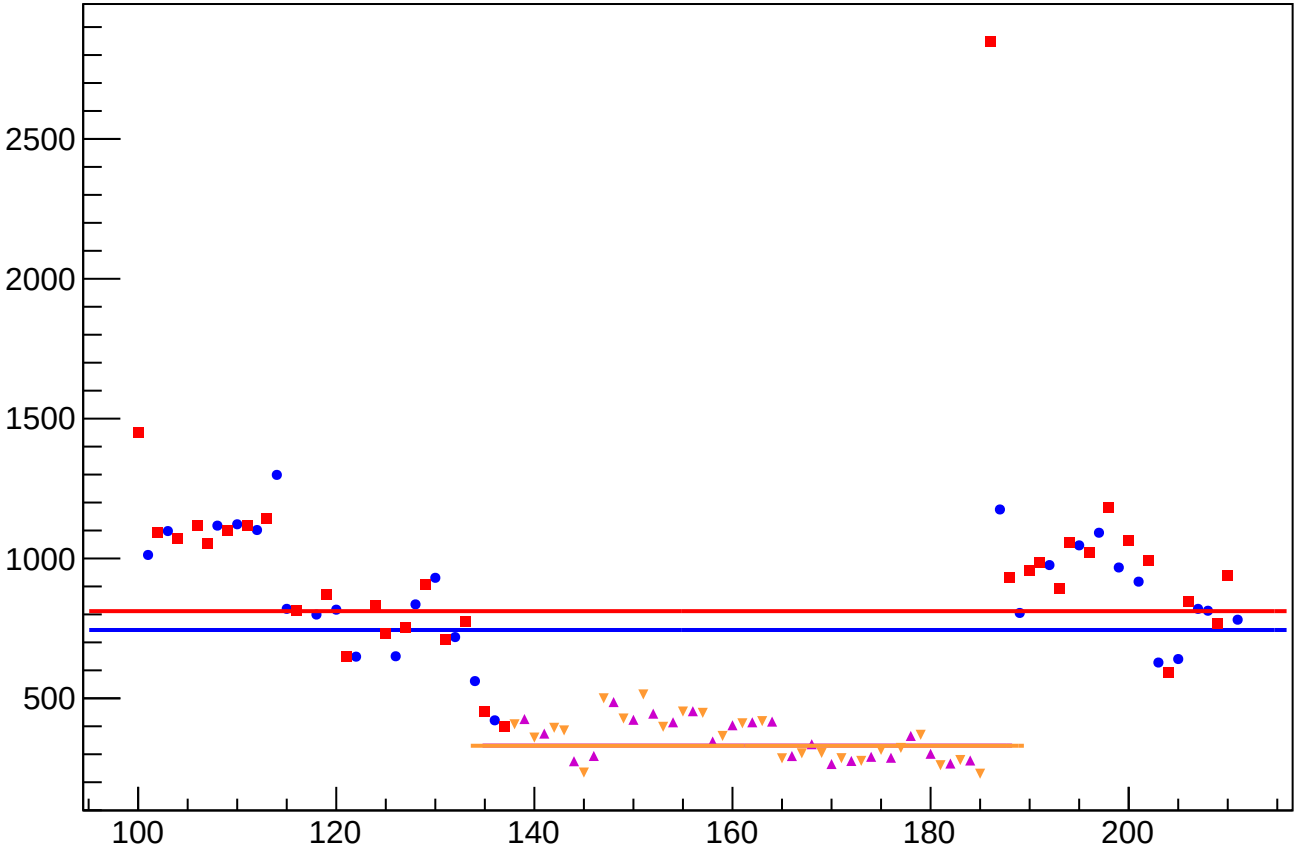
Right: 143.314+/-137.805 χ^2/NDF: 68.0/60

In: 91.980+/-73.083 χ^2/NDF:69.7/50

Out: 39.477+/-71.938 χ^2/NDF:64.5/57

All: 65.314+/-51.268 χ^2/NDF: 134.5/108

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 744.274+/-0.135 χ^2/NDF: 2519078.7/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 811.682+/-0.141 χ^2/NDF: 2904353.8/32

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

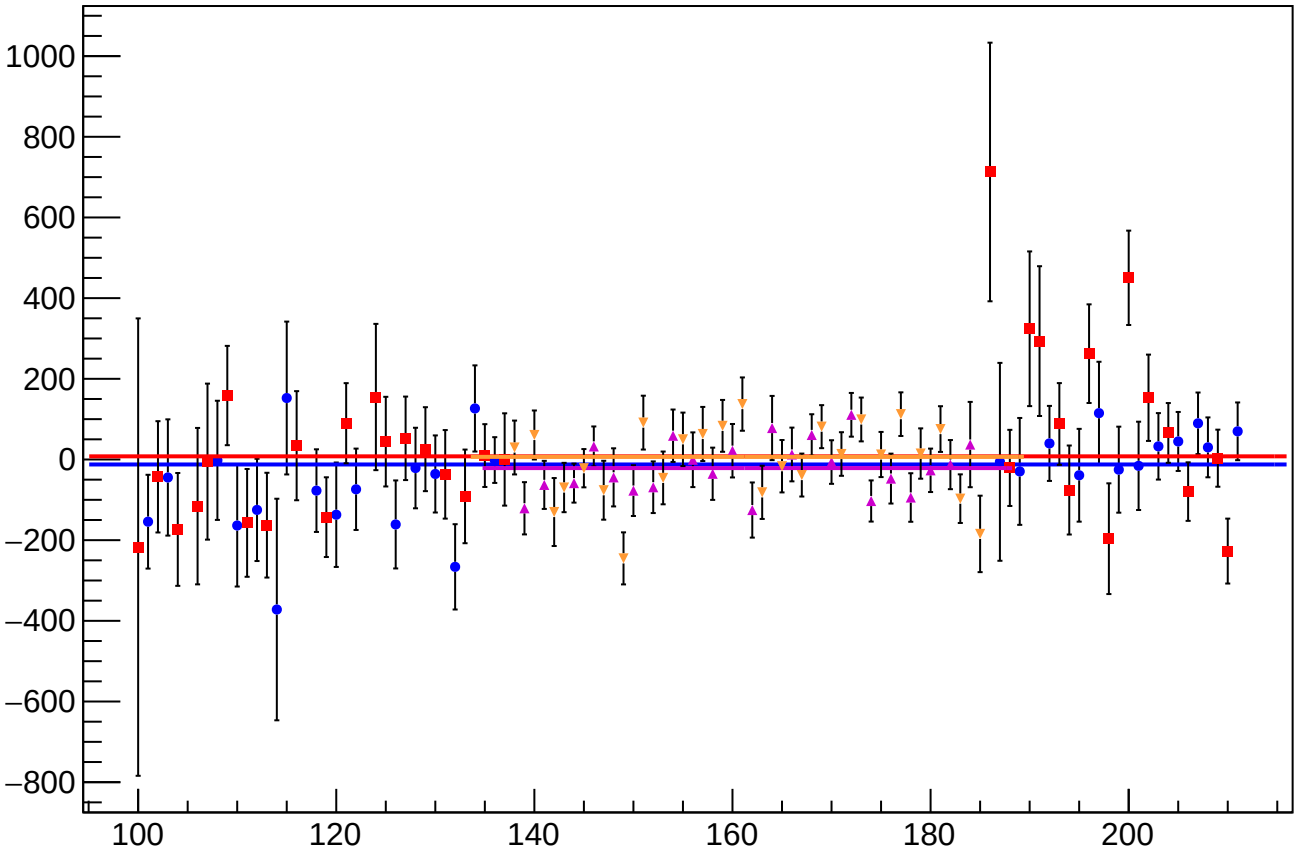
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 776.478+/-0.097 χ^2/NDF: 5542831.5/60

In: 391.755+/-0.052 χ^2/NDF:11856555.1/50

Out: 393.064+/-0.051 χ^2/NDF:14793851.9/57

All: 392.419+/-0.036 χ^2/NDF: 26650733.0/10



Right In: -12.346+/-19.136 χ^2/NDF: 22.7/27

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 7.826+/-19.389 χ^2/NDF: 56.6/32

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

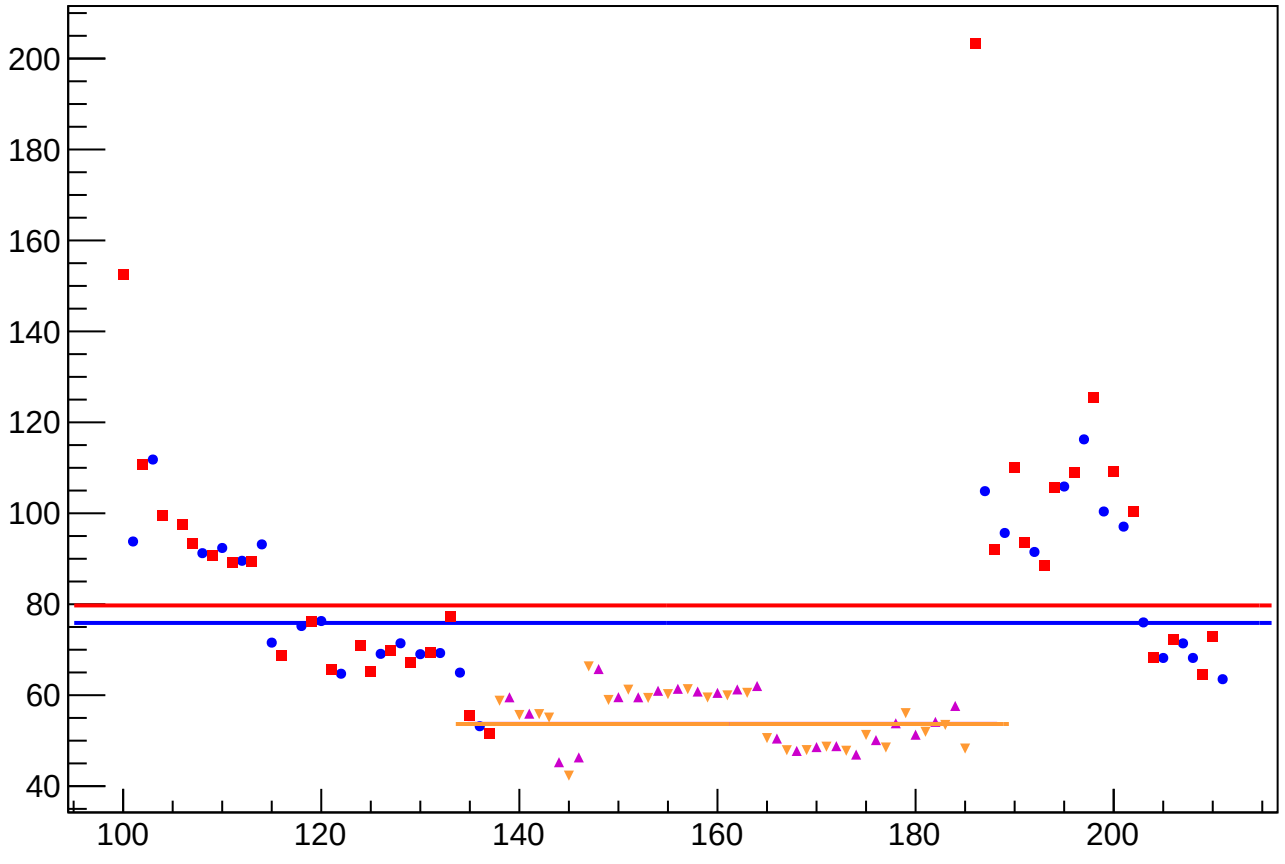
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -2.392+/-13.620 χ^2/NDF: 79.8/60

In: -18.601+/-10.552 χ^2/NDF:48.2/50

Out: 6.898+/-10.379 χ^2/NDF:107.2/57

All: -5.640+/-7.399 χ^2/NDF: 158.3/108



Right In: 75.891+/-0.014 χ^2/NDF: 1402515.6/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.738+/-0.014 χ^2/NDF: 1946946.9/32

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

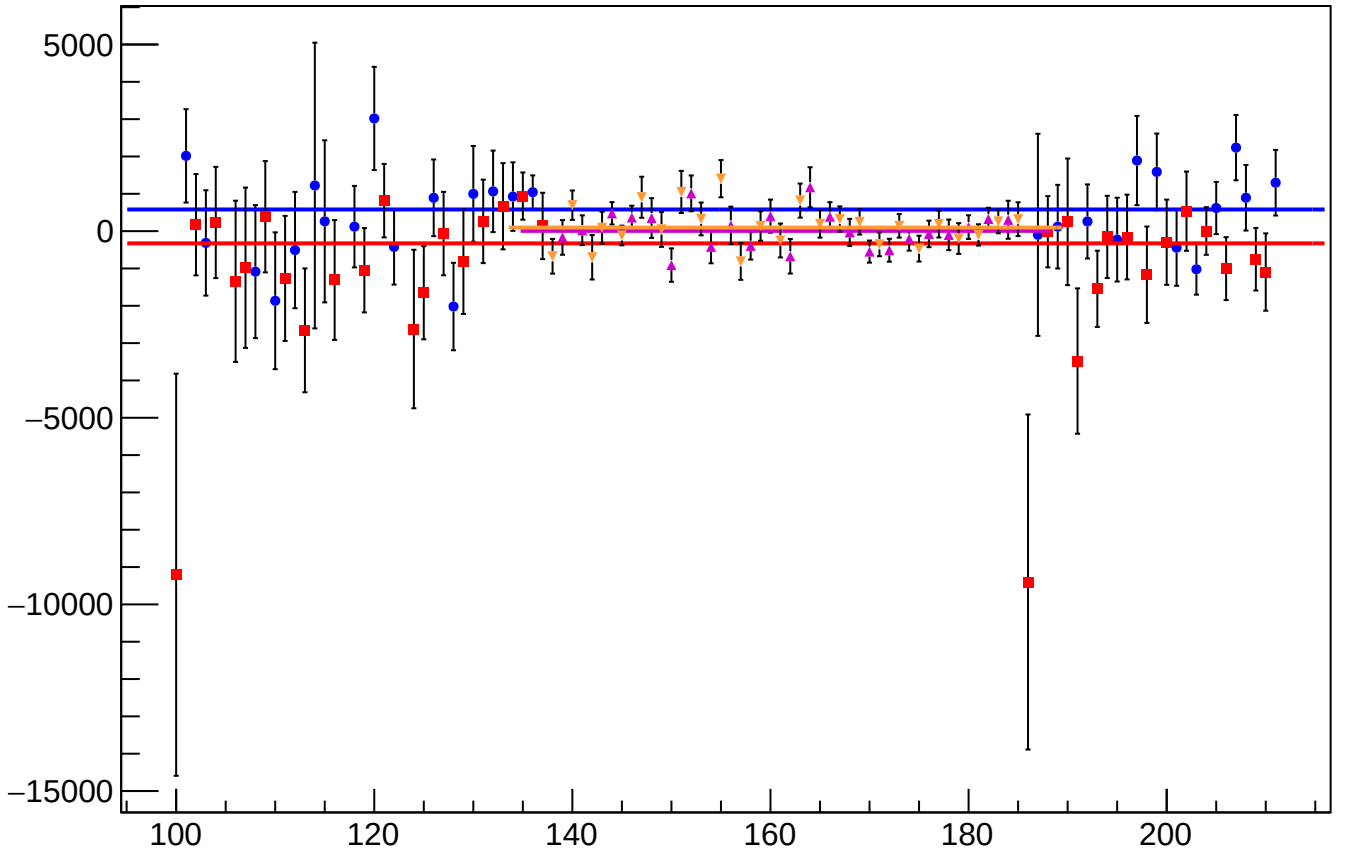
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.789+/-0.010 χ^2/NDF: 3389339.4/60

In: 60.444+/-0.007 χ^2/NDF:3746439.5/50

Out: 61.136+/-0.007 χ^2/NDF:4999255.0/57

All: 60.796+/-0.005 χ^2/NDF: 8750065.2/108



Right In: 580.429+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -327.516+/-199.552 χ^2/NDF: 26.9/32

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

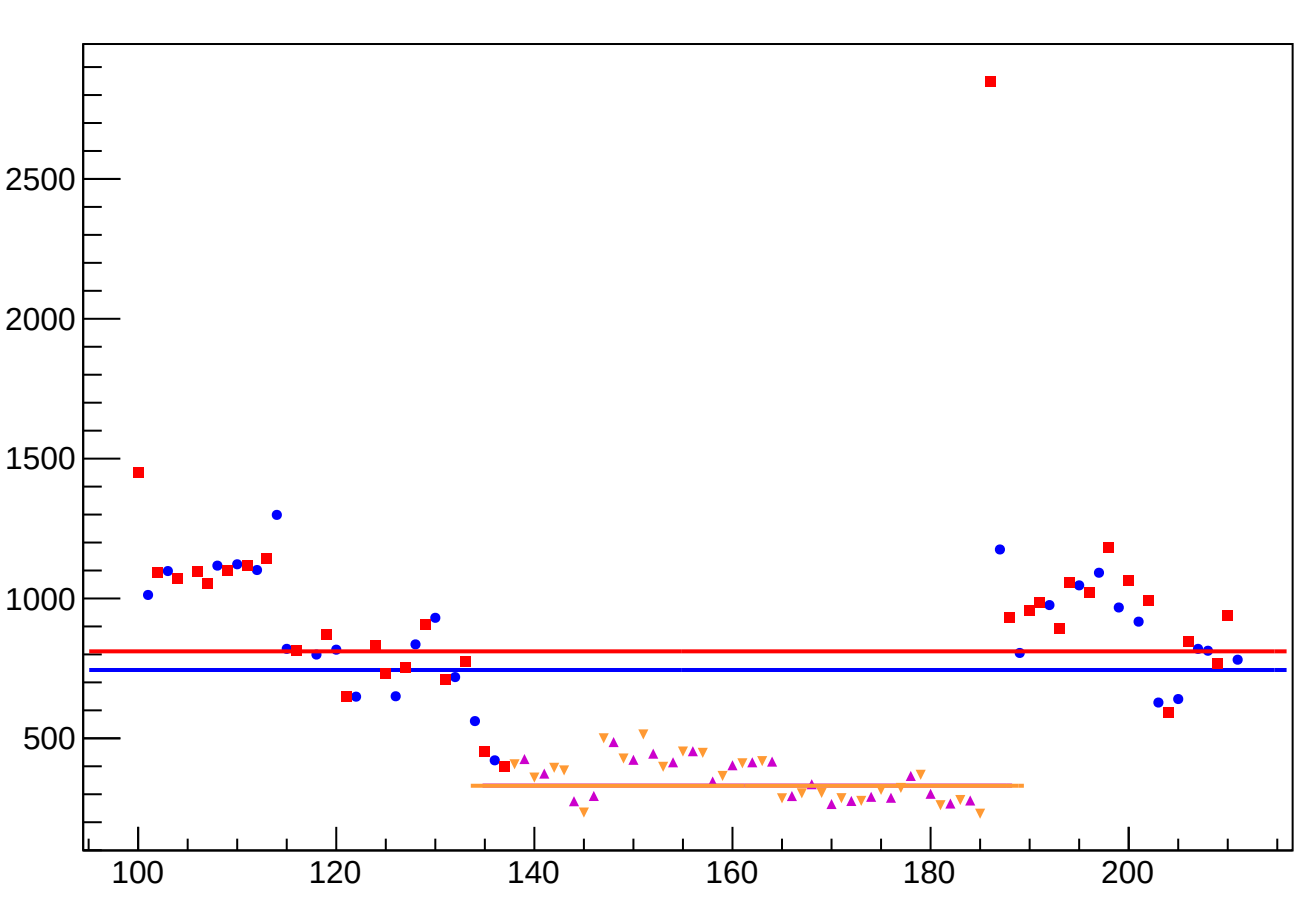
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 147.064+/-137.865 χ^2/NDF: 67.4/60

In: 91.976+/-73.083 χ^2/NDF:69.7/50

Out: 40.476+/-71.946 χ^2/NDF:64.0/57

All: 65.822+/-51.271 χ^2/NDF: 133.9/108



Right In: 744.274+/-0.135 χ^2/NDF: 2519101.8/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 810.953+/-0.141 χ^2/NDF: 2890539.1/32

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

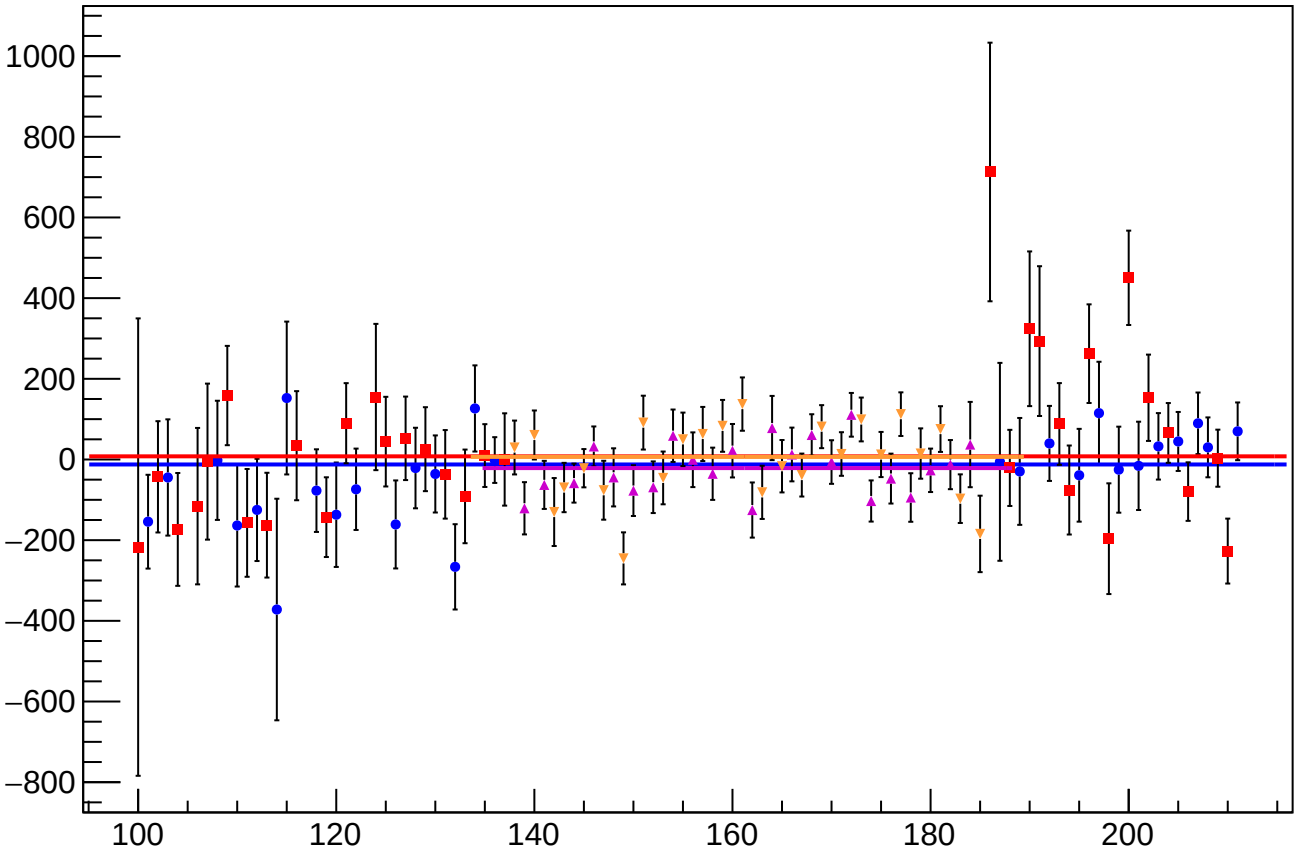
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 776.100+/-0.097 χ^2/NDF: 5526362.8/60

In: 391.754+/-0.052 χ^2/NDF:11856589.1/50

Out: 392.871+/-0.051 χ^2/NDF:14733622.2/57

All: 392.322+/-0.036 χ^2/NDF: 26590448.6/10


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
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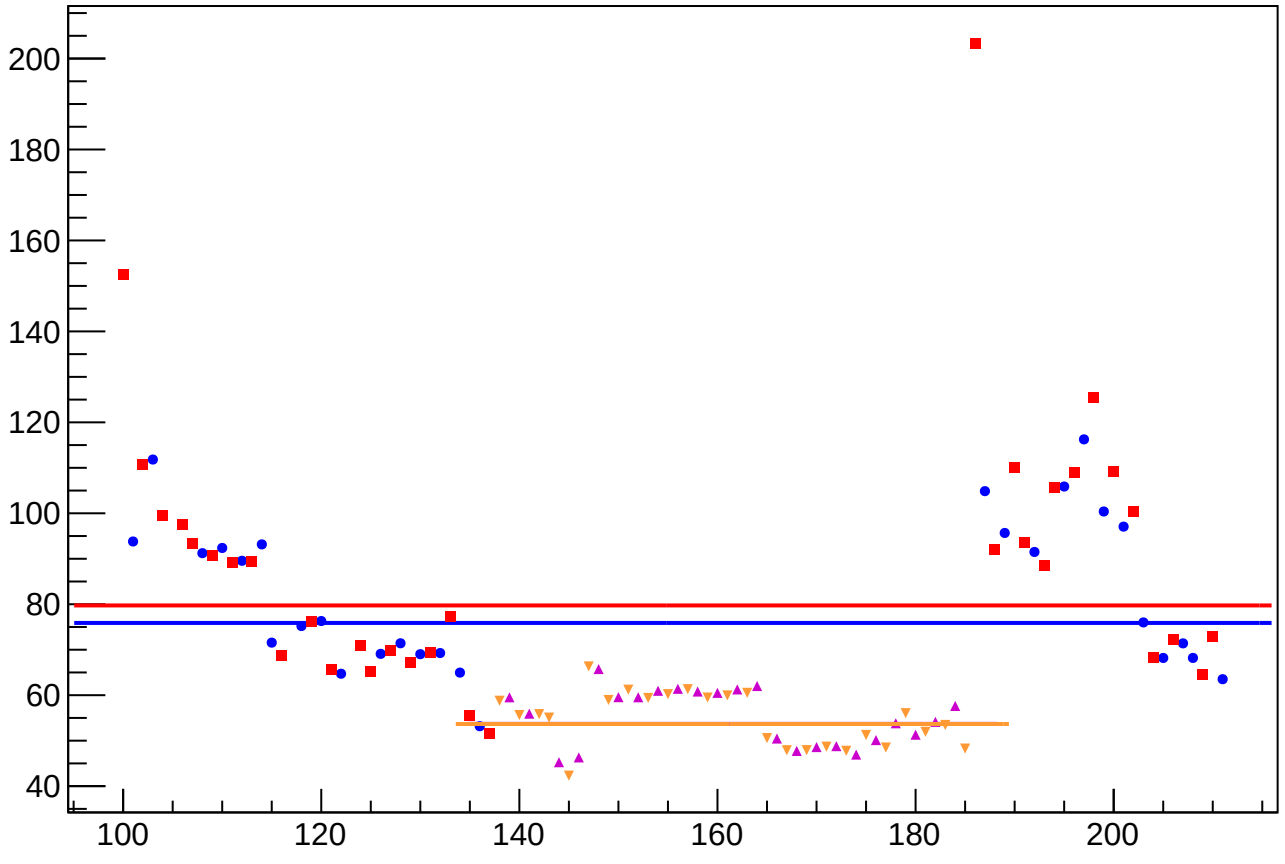
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -12.346+/-19.136 χ²/NDF: 22.7/27
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 7.826+/-19.389 χ²/NDF: 56.6/32
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: -2.392+/-13.620 χ²/NDF: 79.8/60
In: -18.601+/-10.552 χ²/NDF:48.2/50
Out: 6.898+/-10.379 χ²/NDF:107.2/57
All: -5.640+/-7.399 χ²/NDF: 158.3/108



Right In: 75.891+/-0.014 χ^2/NDF: 1402515.6/27

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.738+/-0.014 χ^2/NDF: 1946946.9/32

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

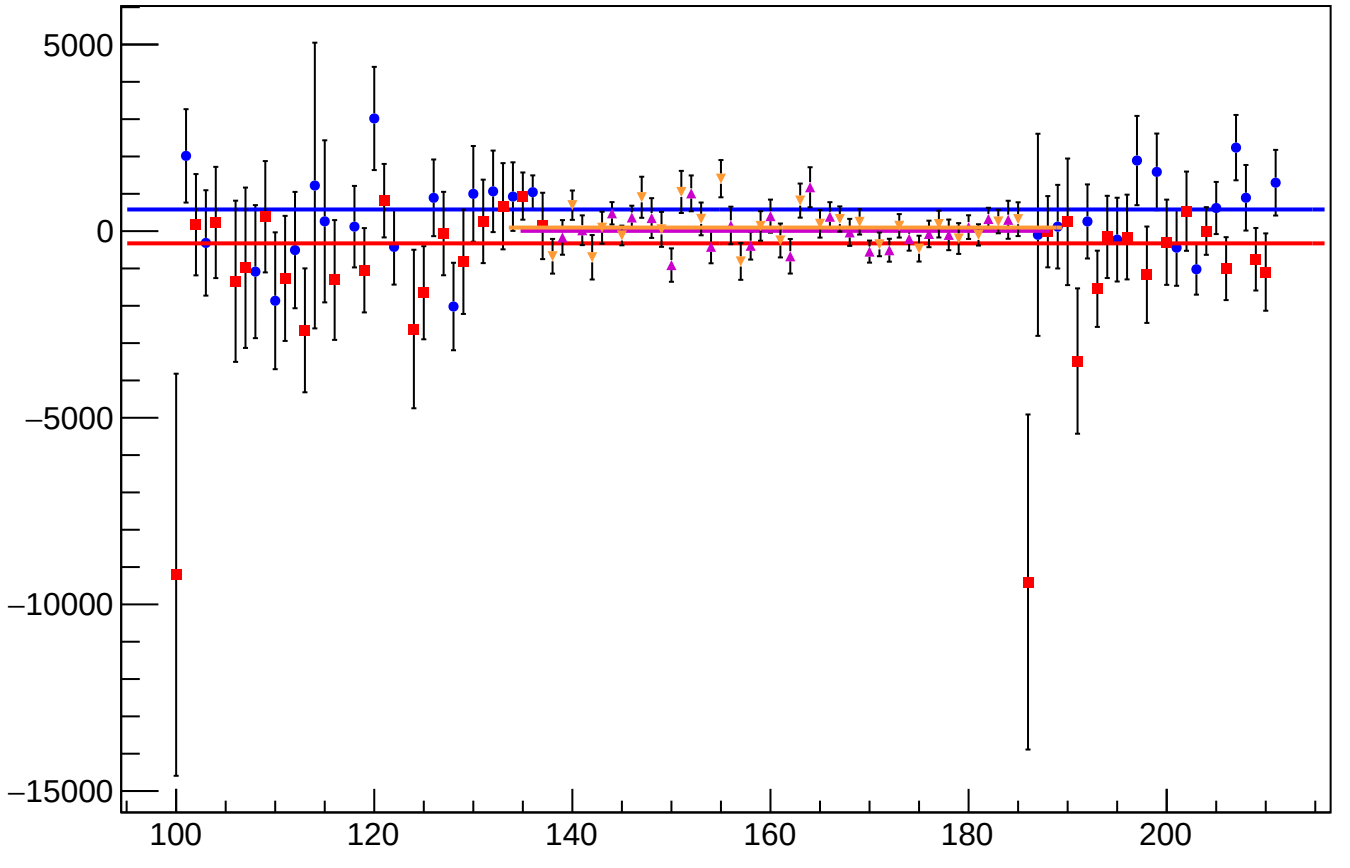
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.789+/-0.010 χ^2/NDF: 3389339.4/60

In: 60.444+/-0.007 χ^2/NDF:3746439.5/50

Out: 61.136+/-0.007 χ^2/NDF:4999255.0/57

All: 60.796+/-0.005 χ^2/NDF: 8750065.2/108



Right In: 580.429+/-190.690 χ^2/NDF: 29.7/27

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -327.516+/-199.552 χ^2/NDF: 26.9/32

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

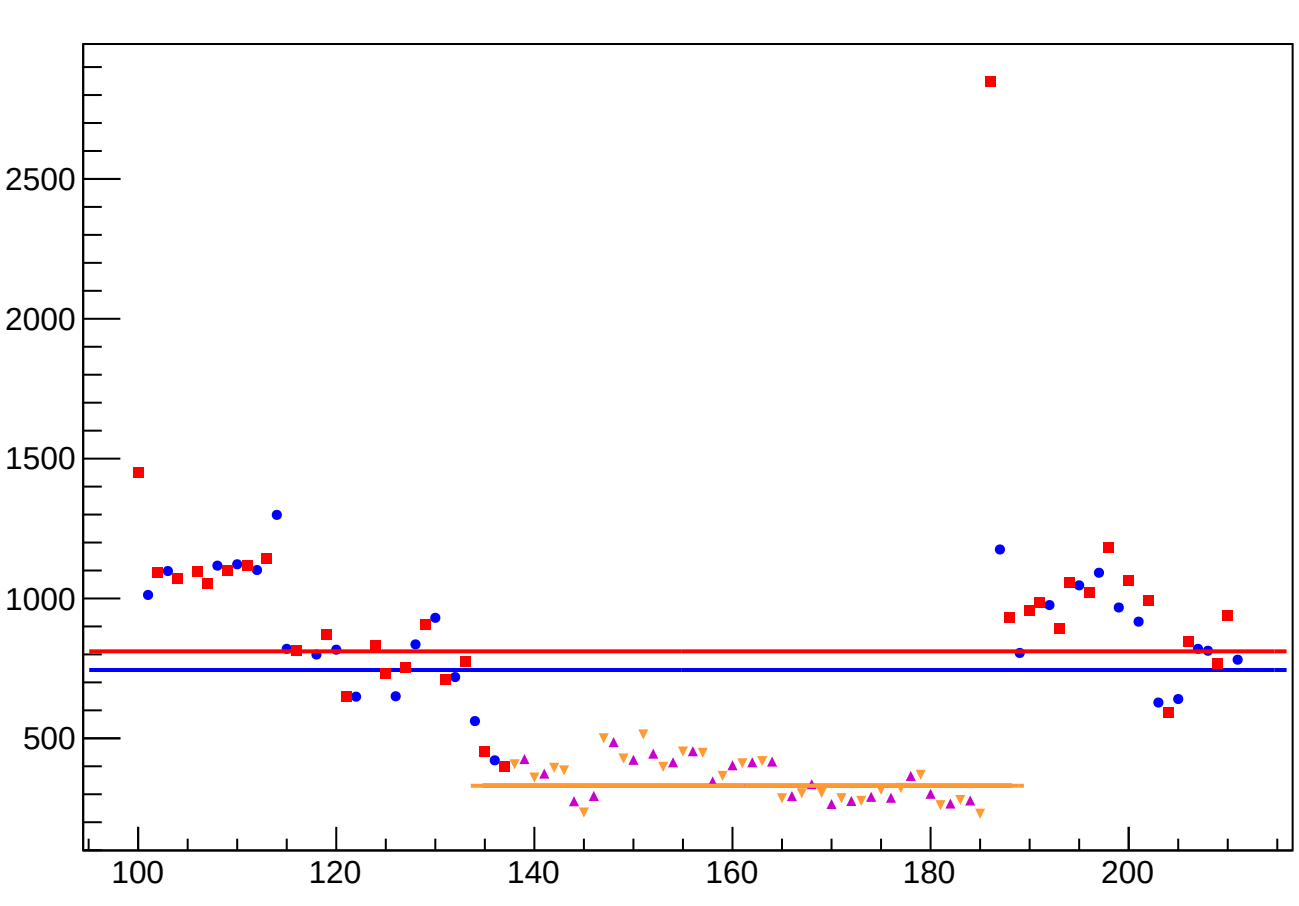
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 147.064+/-137.865 χ^2/NDF: 67.4/60

In: 91.976+/-73.083 χ^2/NDF:69.7/50

Out: 40.476+/-71.946 χ^2/NDF:64.0/57

All: 65.822+/-51.271 χ^2/NDF: 133.9/108



Right In: 744.274+/-0.135 χ^2/NDF: 2519101.8/27

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 810.953+/-0.141 χ^2/NDF: 2890539.1/32

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

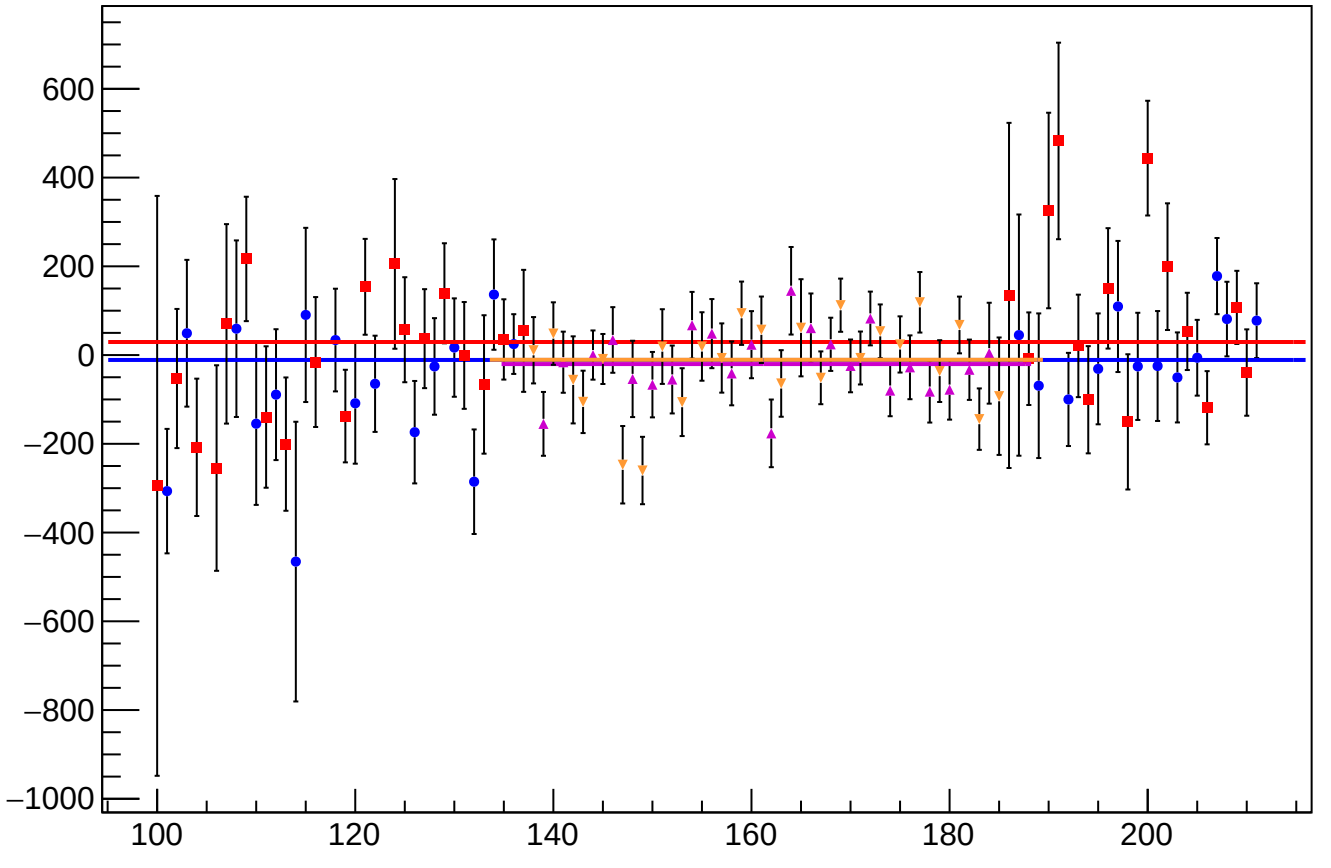
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 776.100+/-0.097 χ^2/NDF: 5526362.8/60

In: 391.754+/-0.052 χ^2/NDF:11856589.1/50

Out: 392.871+/-0.051 χ^2/NDF:14733622.2/57

All: 392.322+/-0.036 χ^2/NDF: 26590448.6/10



Right In: -11.023+/-21.956 χ^2/NDF: 27.0/27

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 29.442+/-22.108 χ^2/NDF: 41.9/32

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

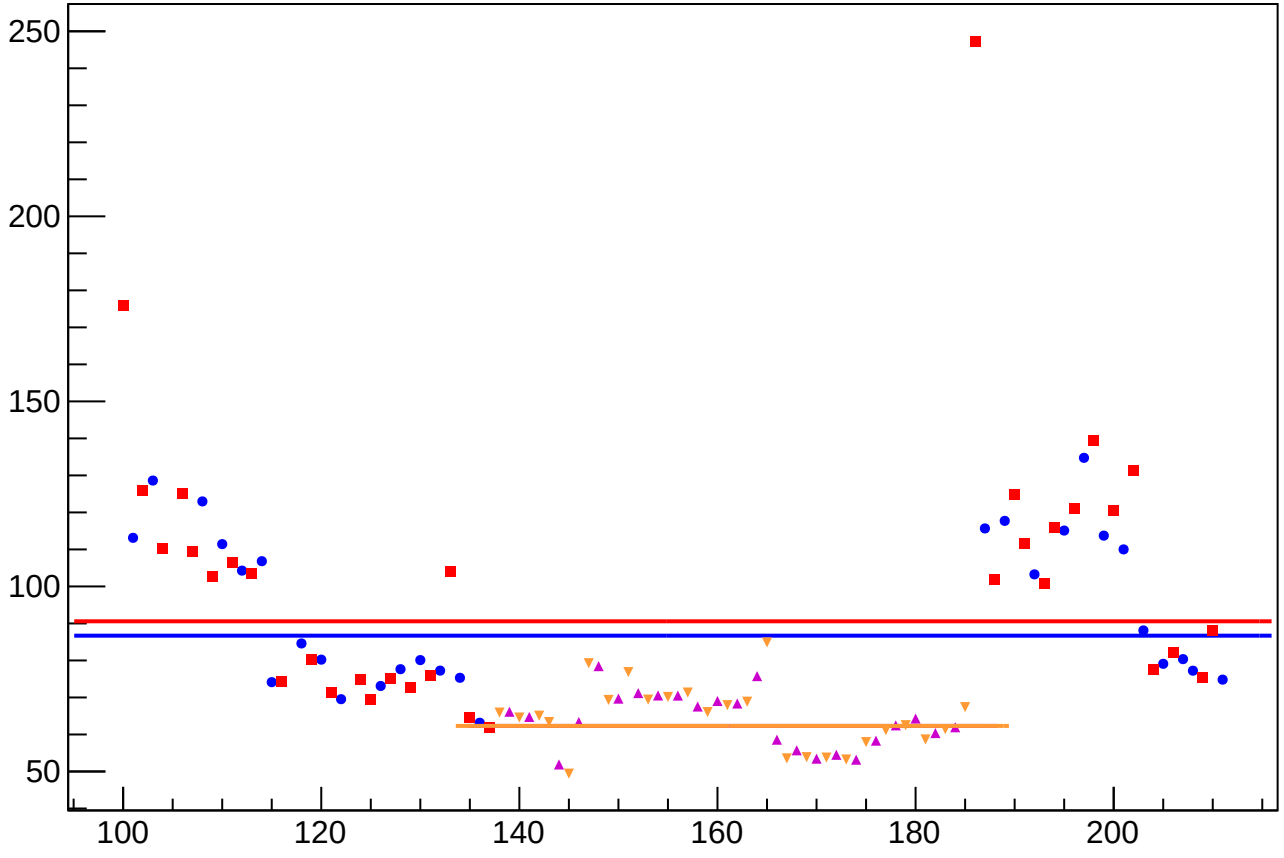
Right: 9.070+/-15.579 χ^2/NDF: 70.6/60

In: -17.419+/-12.244 χ^2/NDF:48.8/50

Out: 1.214+/-12.013 χ^2/NDF:86.4/57

All: -7.926+/-8.575 χ^2/NDF: 136.4/108

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 86.696+/-0.016 χ^2/NDF: 1448207.1/27

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.582+/-0.016 χ^2/NDF: 2077442.7/32

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

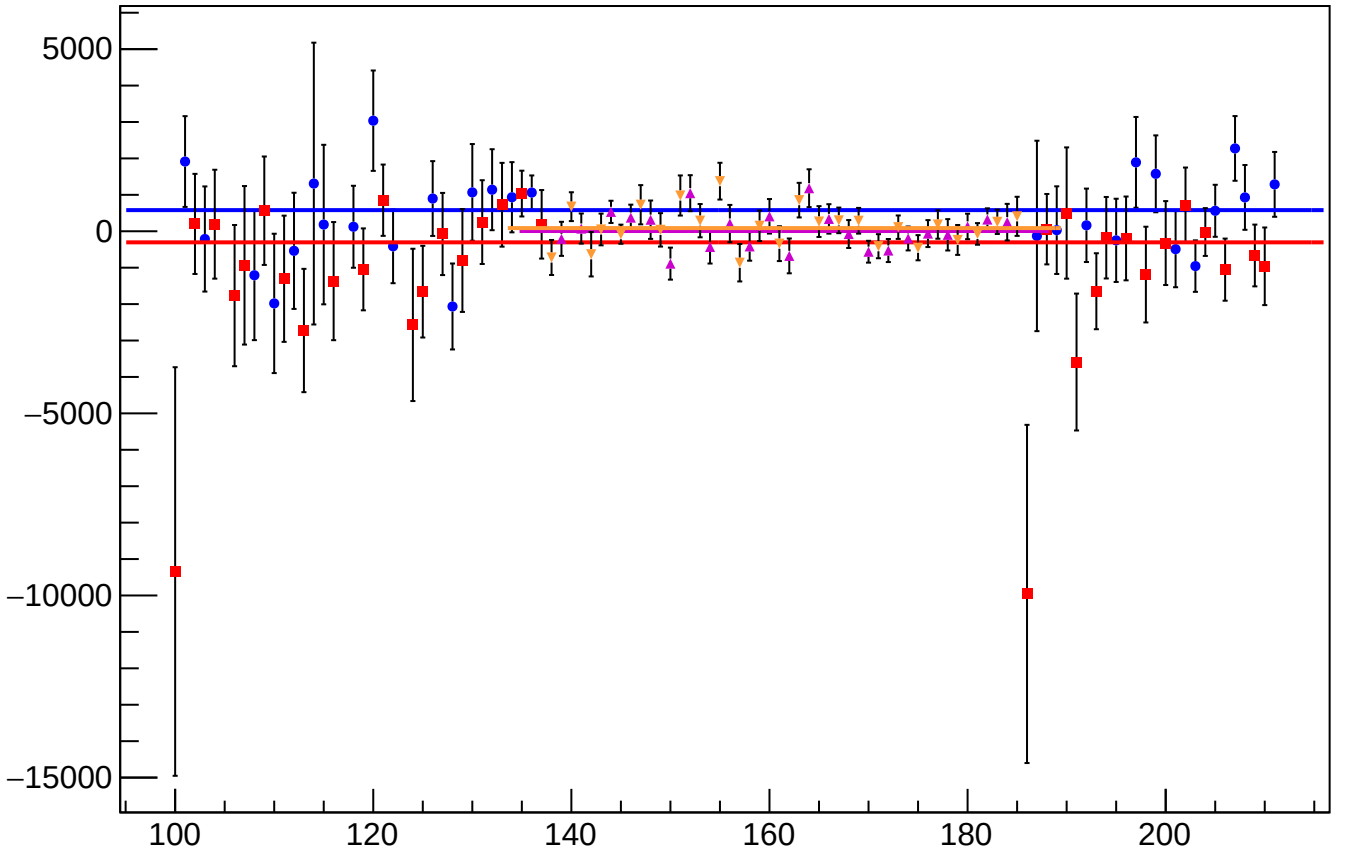
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 88.626+/-0.011 χ^2/NDF: 3556744.2/60

In: 69.894+/-0.009 χ^2/NDF:3632721.3/50

Out: 70.662+/-0.008 χ^2/NDF:5017548.8/57

All: 70.285+/-0.006 χ^2/NDF: 8654288.8/108



Right In: 580.359+/-195.664 χ^2/NDF: 29.0/27

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -304.306+/-201.726 χ^2/NDF: 29.2/32

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

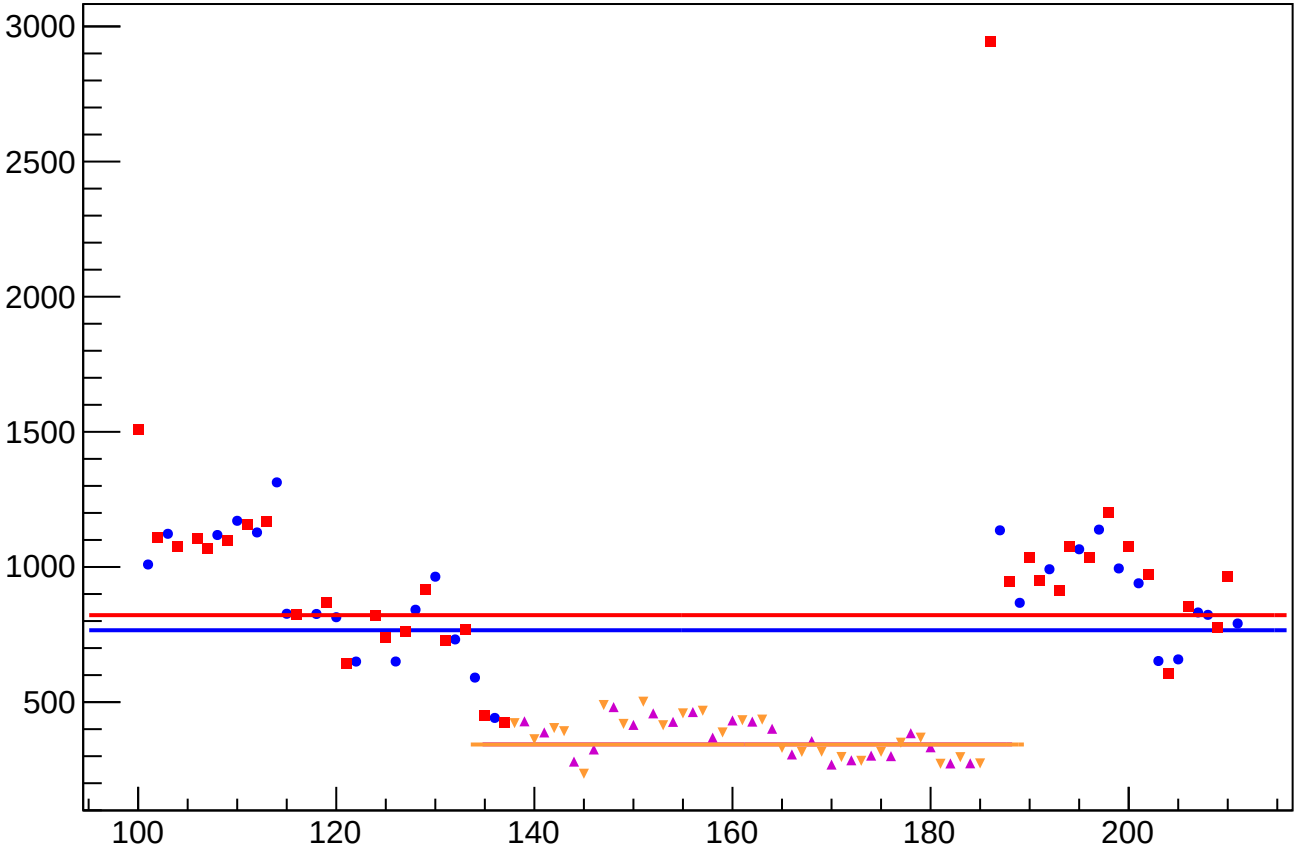
Right: 151.519+/-140.449 χ^2/NDF: 68.1/60

In: 92.426+/-75.714 χ^2/NDF:68.7/50

Out: 33.996+/-74.234 χ^2/NDF:64.1/57

All: 62.634+/-53.007 χ^2/NDF: 133.1/108

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 765.962+/-0.138 χ^2/NDF: 2382167.4/27

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 821.799+/-0.143 χ^2/NDF: 2886976.2/32

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

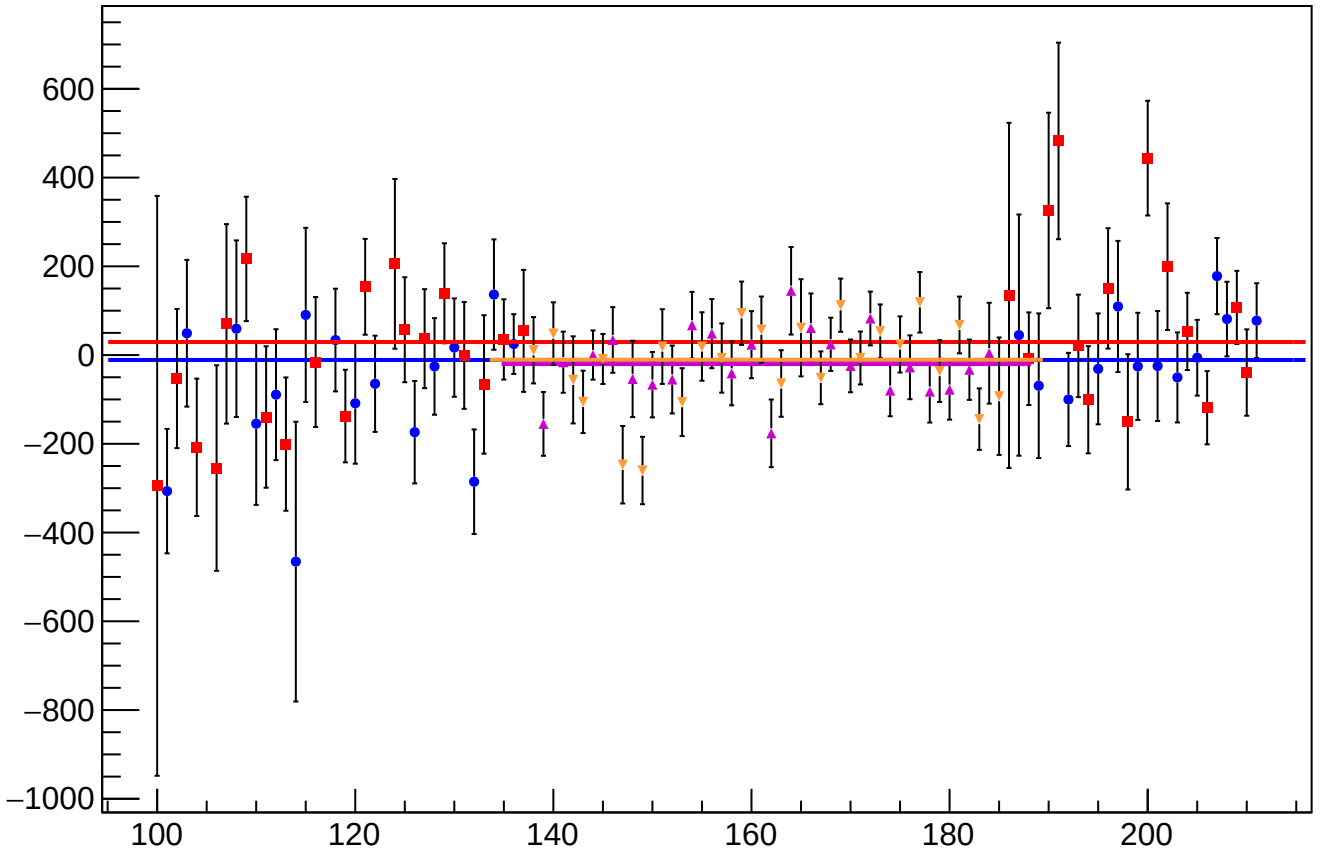
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 793.029+/-0.099 χ^2/NDF: 5348097.4/60

In: 406.943+/-0.054 χ^2/NDF:11559926.4/50

Out: 408.034+/-0.052 χ^2/NDF:14214546.1/57

All: 407.499+/-0.037 χ^2/NDF: 25774684.2/10



Right In: -11.024+/-21.956 χ^2/NDF: 27.0/27

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 29.442+/-22.108 χ^2/NDF: 41.9/32

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

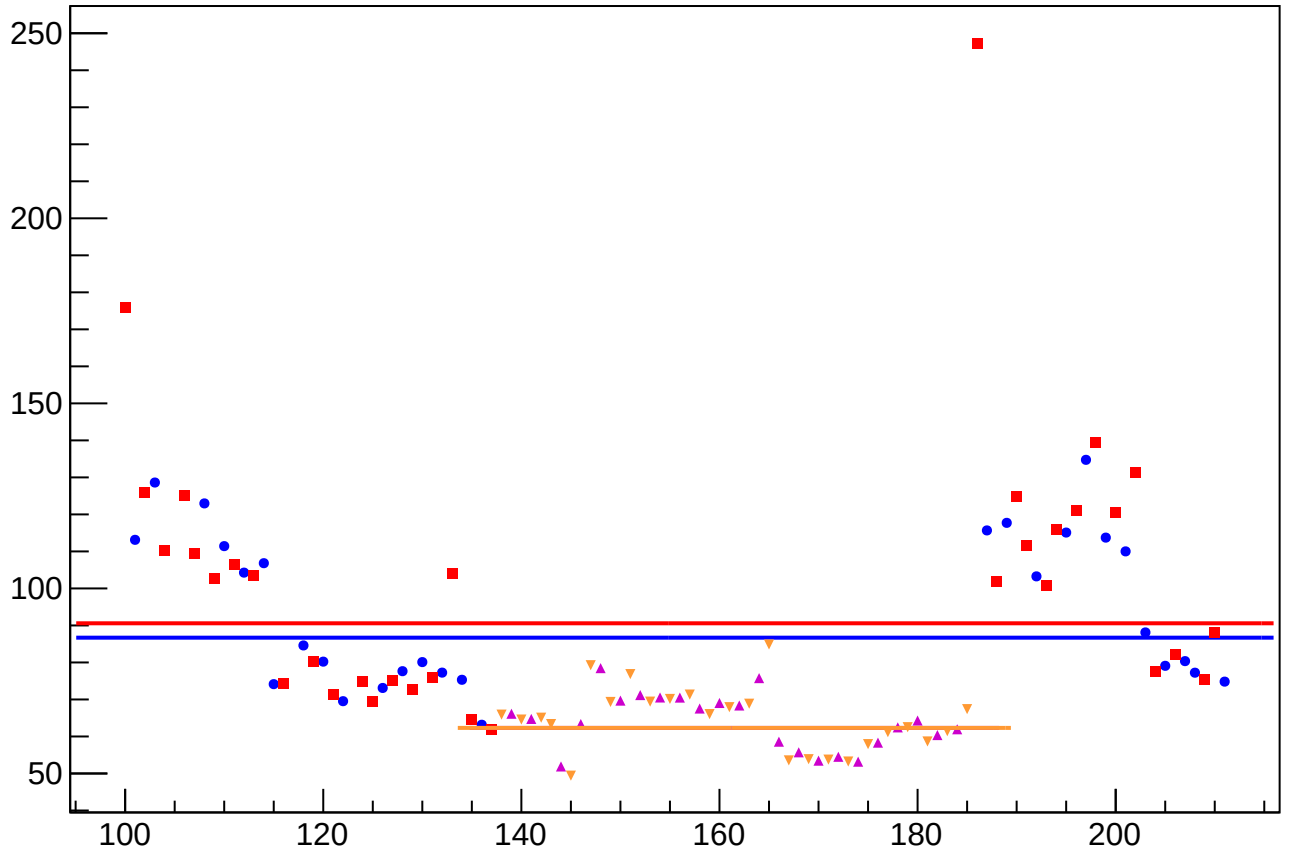
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 9.070+/-15.579 χ^2/NDF: 70.6/60

In: -17.419+/-12.244 χ^2/NDF:48.8/50

Out: 1.215+/-12.013 χ^2/NDF:86.4/57

All: -7.925+/-8.575 χ^2/NDF: 136.4/108



Right In: 86.696+/-0.016 χ^2/NDF: 1448221.3/27

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 90.581+/-0.016 χ^2/NDF: 2077436.1/32

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

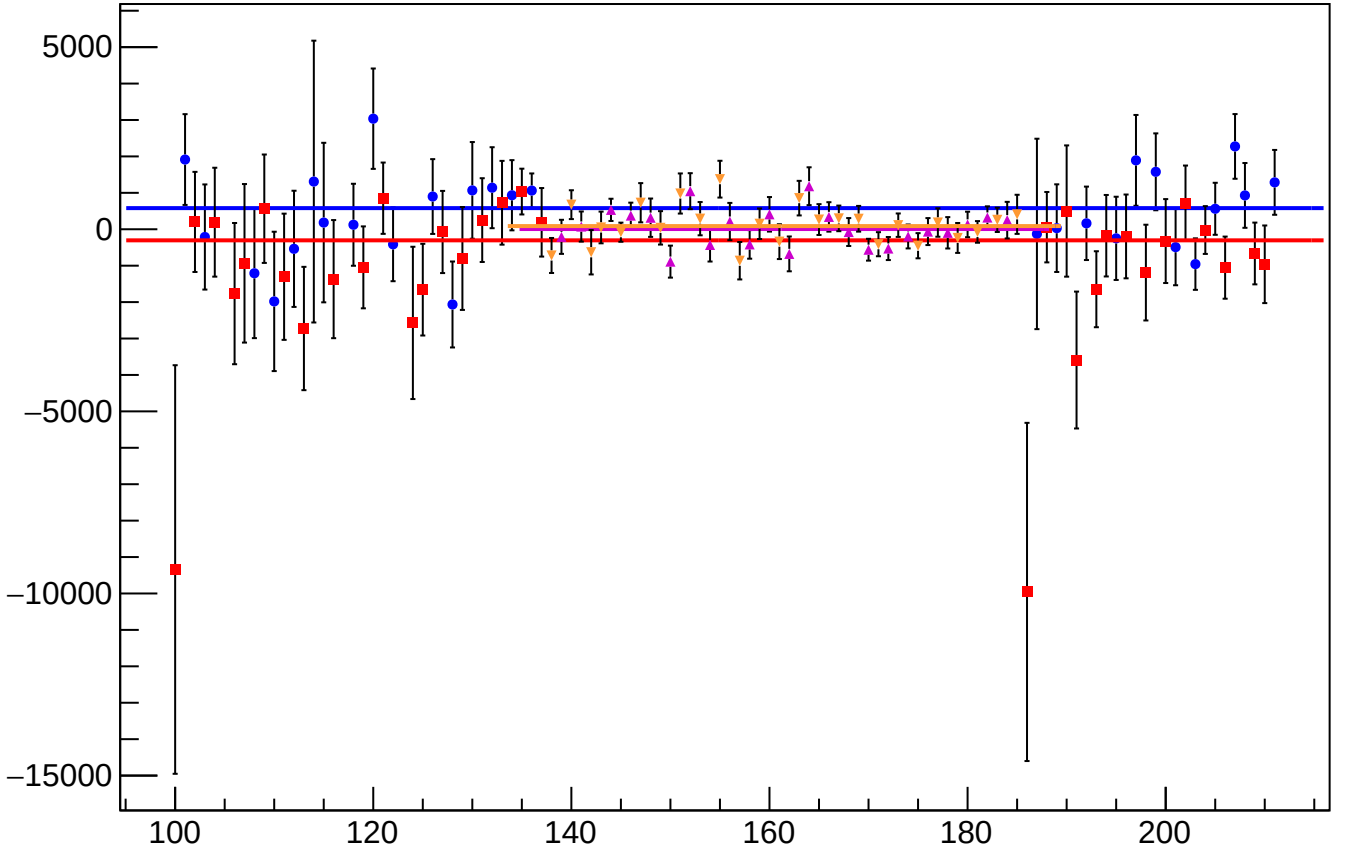
Right: 88.625+/-0.011 χ^2/NDF: 3556754.7/60

In: 69.894+/-0.009 χ^2/NDF:3632670.0/50

Out: 70.663+/-0.008 χ^2/NDF:5017518.7/57

All: 70.285+/-0.006 χ^2/NDF: 8654206.6/108

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 580.359+/-195.664 χ^2/NDF: 29.0/27

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -304.307+/-201.726 χ^2/NDF: 29.2/32

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

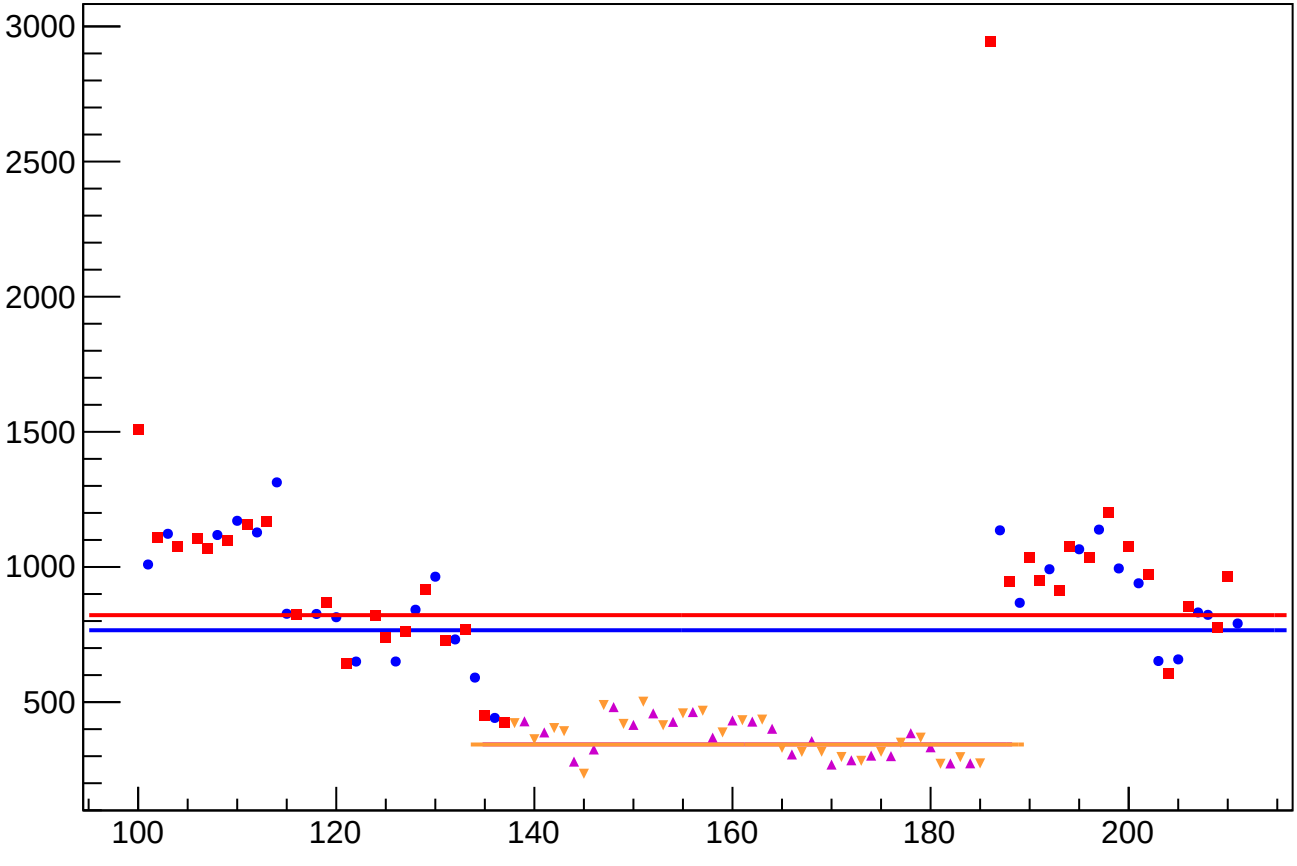
Right: 151.519+/-140.449 χ^2/NDF: 68.1/60

In: 92.426+/-75.714 χ^2/NDF:68.7/50

Out: 33.996+/-74.234 χ^2/NDF:64.1/57

All: 62.634+/-53.007 χ^2/NDF: 133.1/108

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 765.962+/-0.138 χ^2/NDF: 2382153.5/27

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 821.799+/-0.143 χ^2/NDF: 2886965.8/32

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

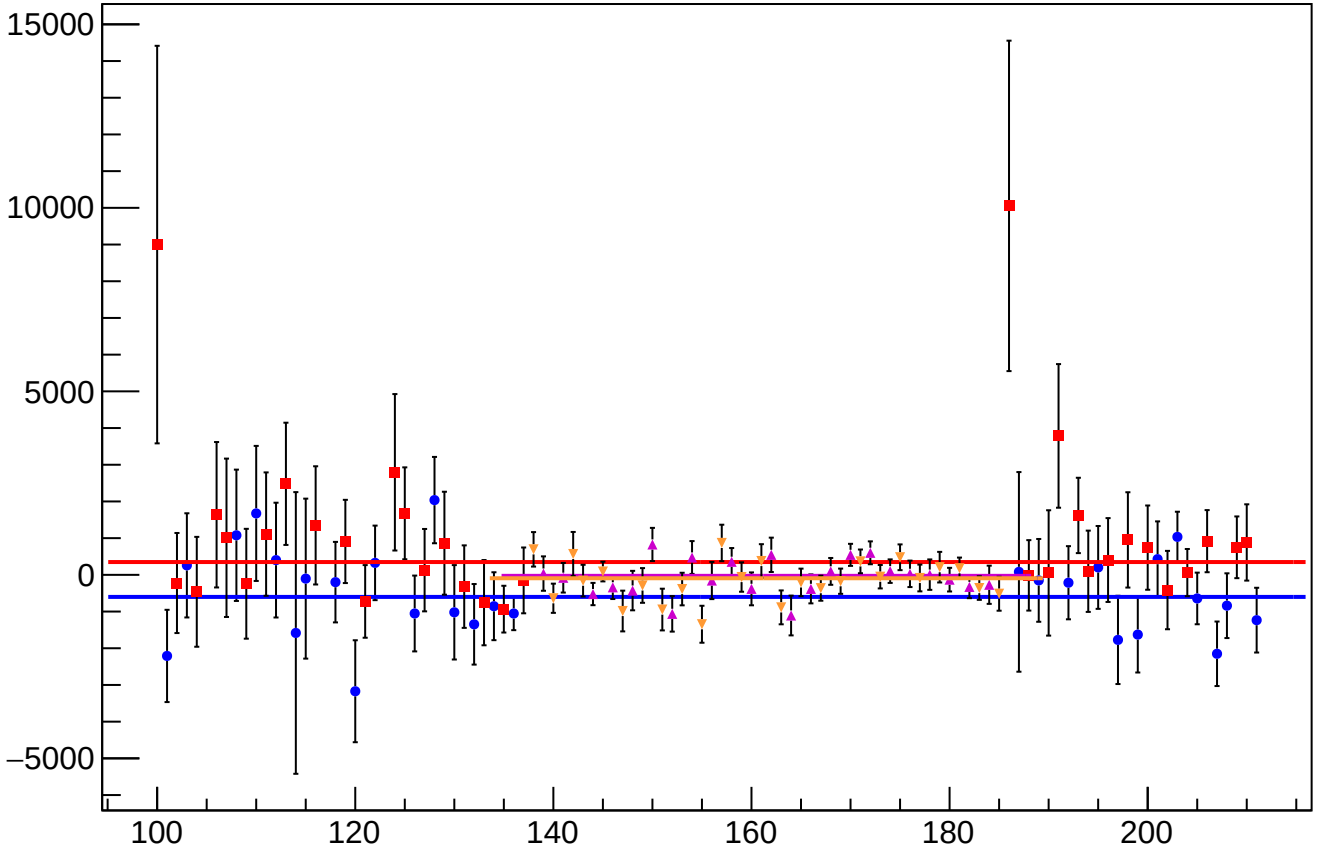
Right: 793.029+/-0.099 χ^2/NDF: 5348073.4/60

In: 406.943+/-0.054 χ^2/NDF:11559924.1/50

Out: 408.034+/-0.052 χ^2/NDF:14214558.9/57

All: 407.499+/-0.037 χ^2/NDF: 25774694.6/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -601.151+/-191.821 χ^2/NDF: 29.4/27

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 348.938+/-200.450 χ^2/NDF: 27.1/32

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

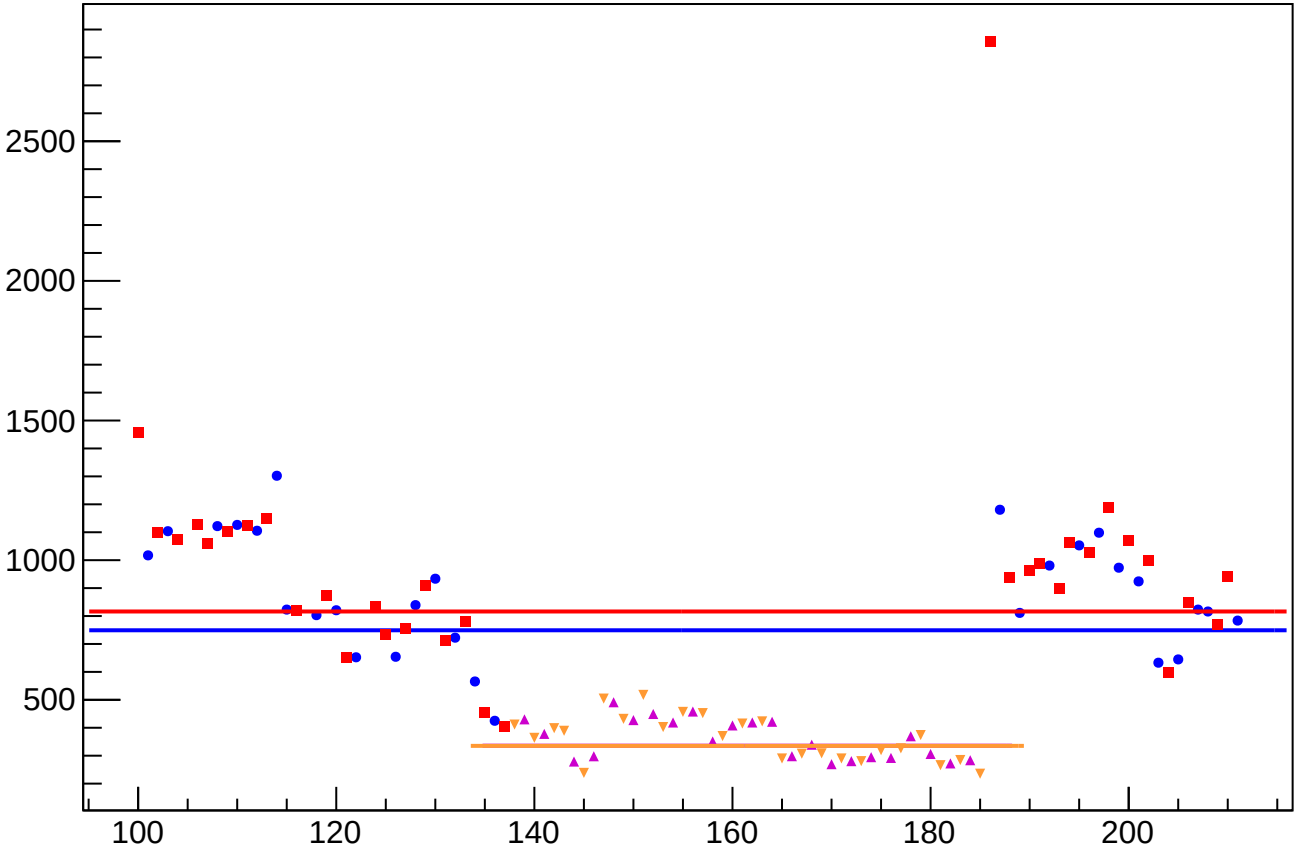
Right: -146.995+/-138.588 χ^2/NDF: 68.2/60

In: -112.592+/-73.999 χ^2/NDF:67.9/50

Out: -34.358+/-72.840 χ^2/NDF:65.5/57

All: -72.858+/-51.910 χ^2/NDF: 134.0/108

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 749.006+/-0.136 χ^2/NDF: 2495751.8/27

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 816.300+/-0.142 χ^2/NDF: 2887217.1/32

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

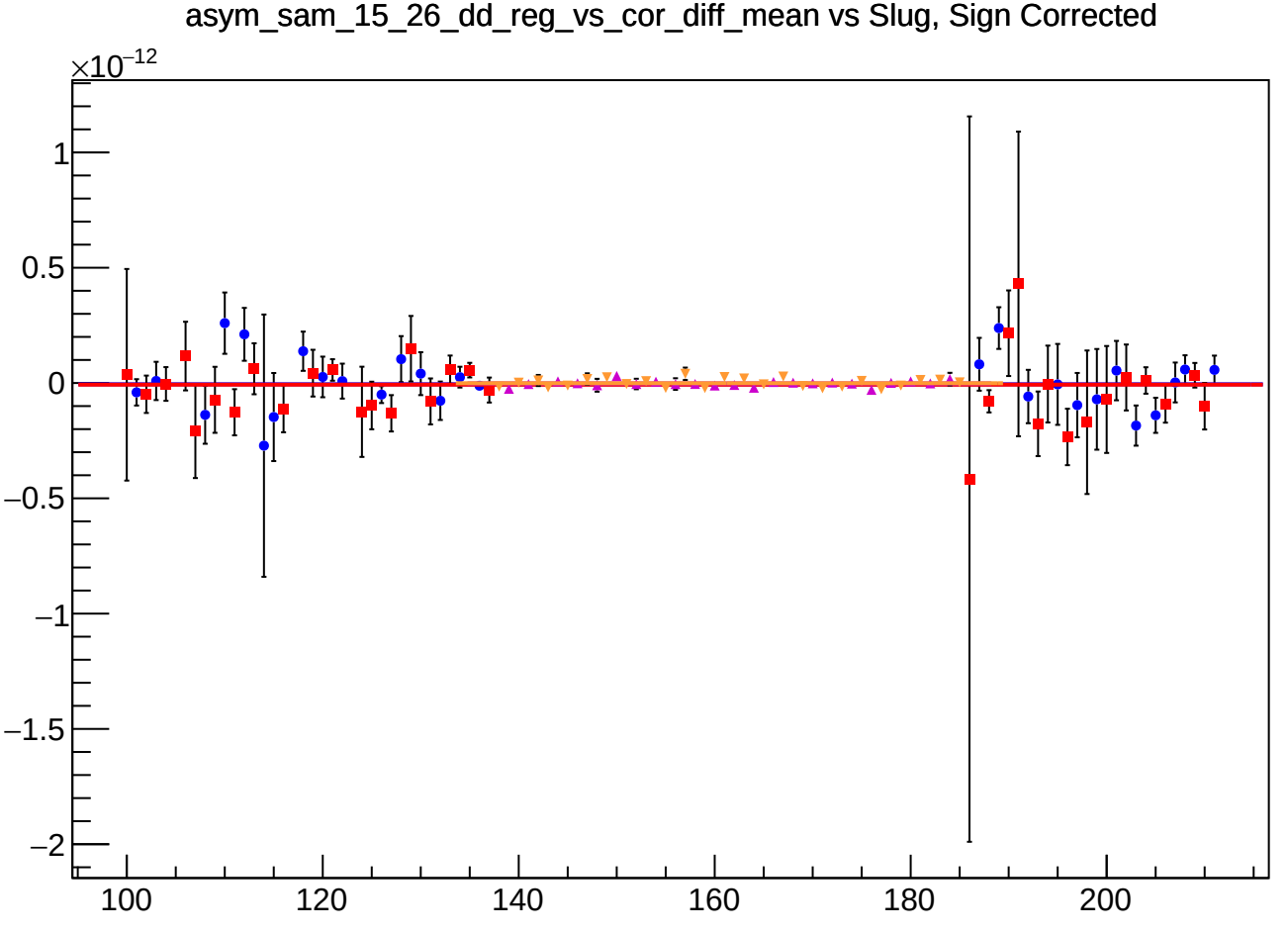
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 781.174+/-0.098 χ^2/NDF: 5500631.8/60

In: 397.282+/-0.052 χ^2/NDF:11686987.2/50

Out: 398.684+/-0.052 χ^2/NDF:14595041.8/57

All: 397.994+/-0.037 χ^2/NDF: 26282393.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/32

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

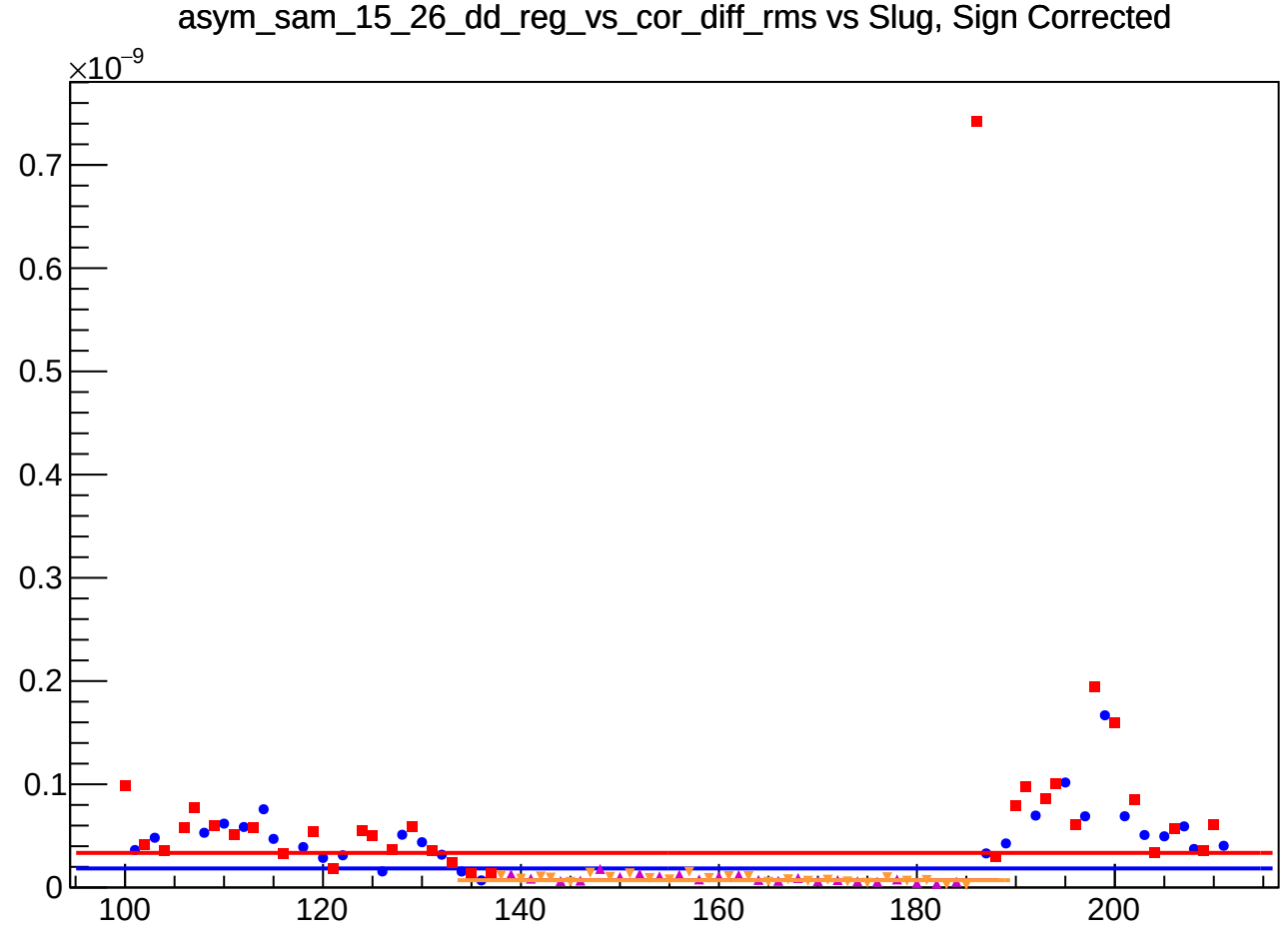
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/60

In: -0.000+/-0.000 χ^2/NDF:50.4/50

Out: -0.000+/-0.000 χ^2/NDF:63.3/57

All: -0.000+/-0.000 χ^2/NDF: 113.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 7494810.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4953737.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

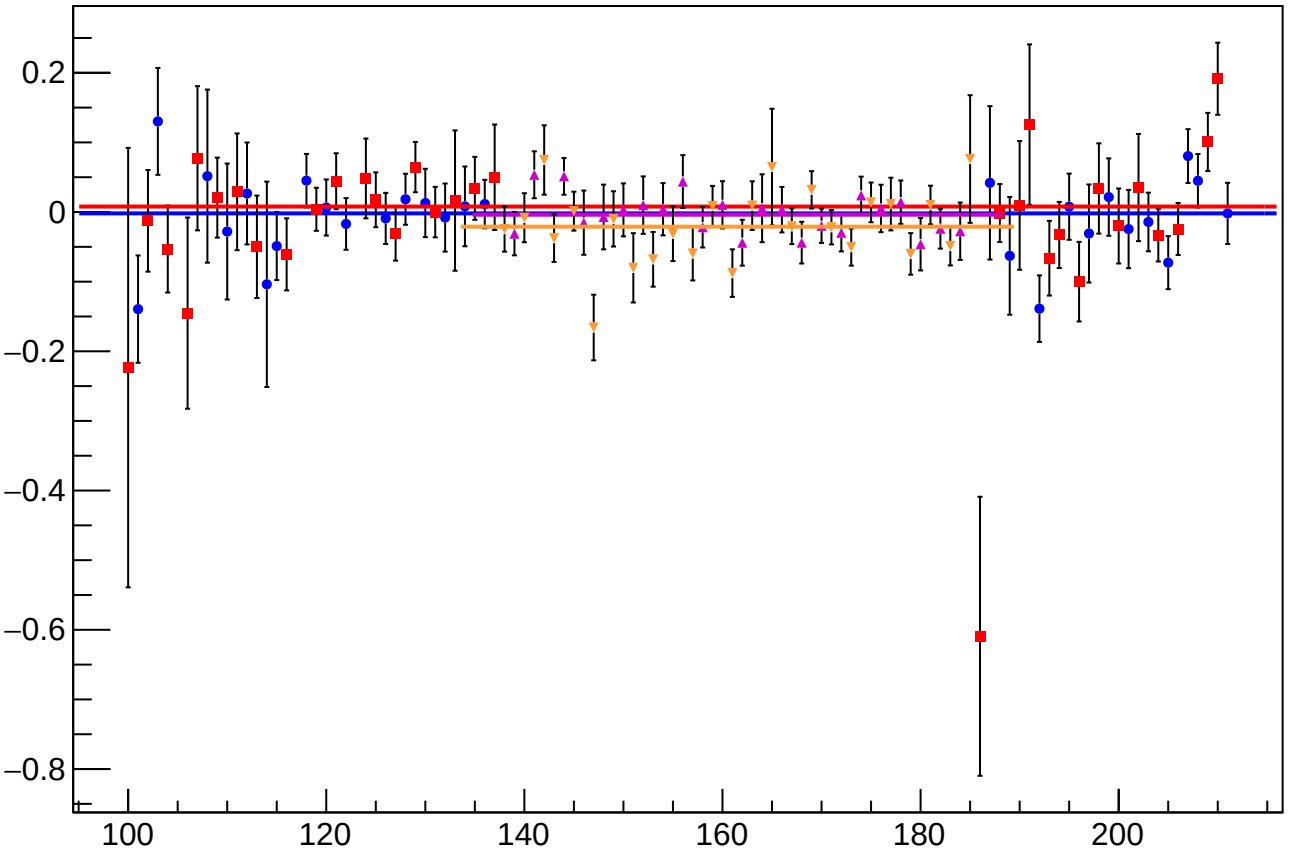
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13971832.7/60

In: 0.000+/-0.000 χ^2/NDF:11545528.6/50

Out: 0.000+/-0.000 χ^2/NDF:13588978.3/57

All: 0.000+/-0.000 χ^2/NDF: 25135284.0/108



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.009 χ^2/NDF: 48.1/32

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

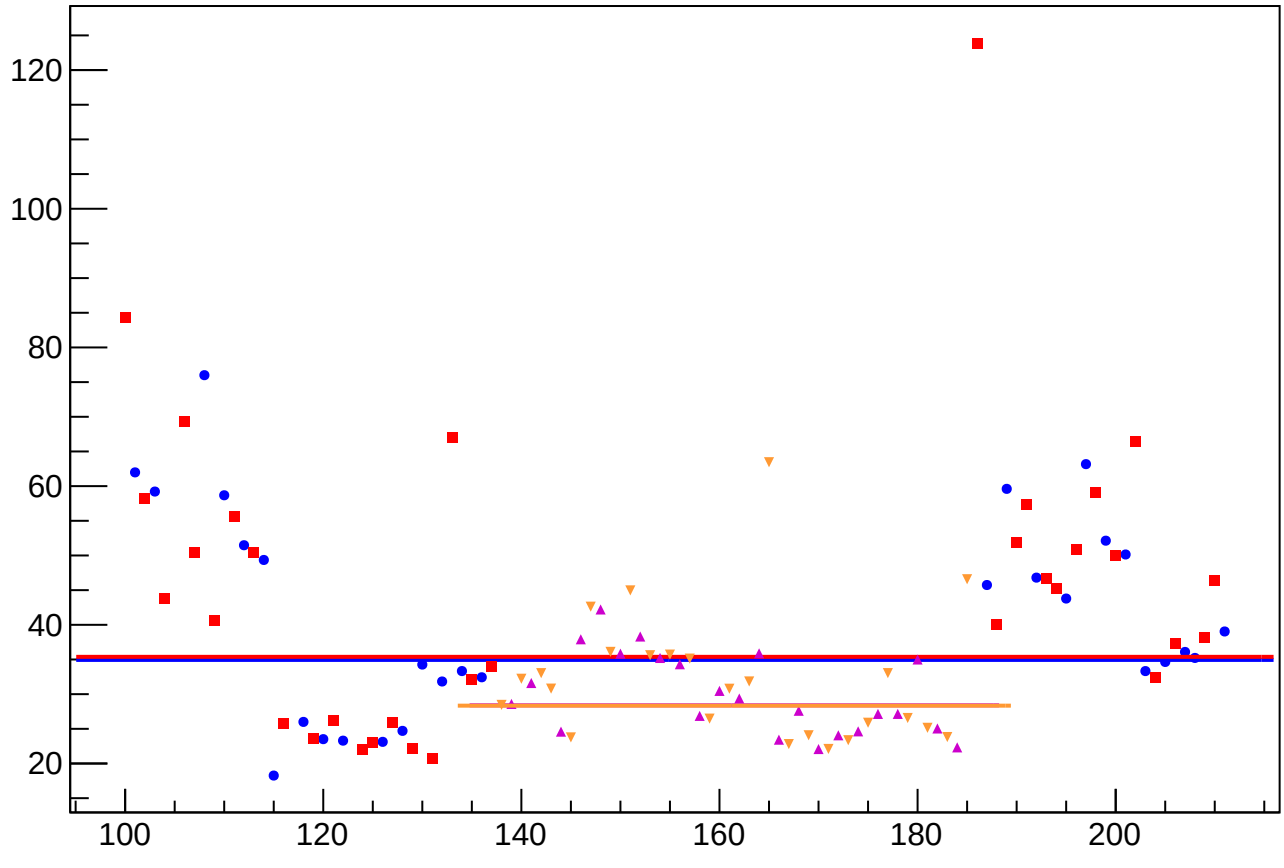
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.003+/-0.006 χ^2/NDF: 77.9/60

In: -0.003+/-0.006 χ^2/NDF:48.0/50

Out: -0.011+/-0.005 χ^2/NDF:91.8/57

All: -0.007+/-0.004 χ^2/NDF: 140.8/108



Right In: 34.939+/-0.007 χ^2/NDF: 3050828.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.382+/-0.006 χ^2/NDF: 4082212.9/32

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

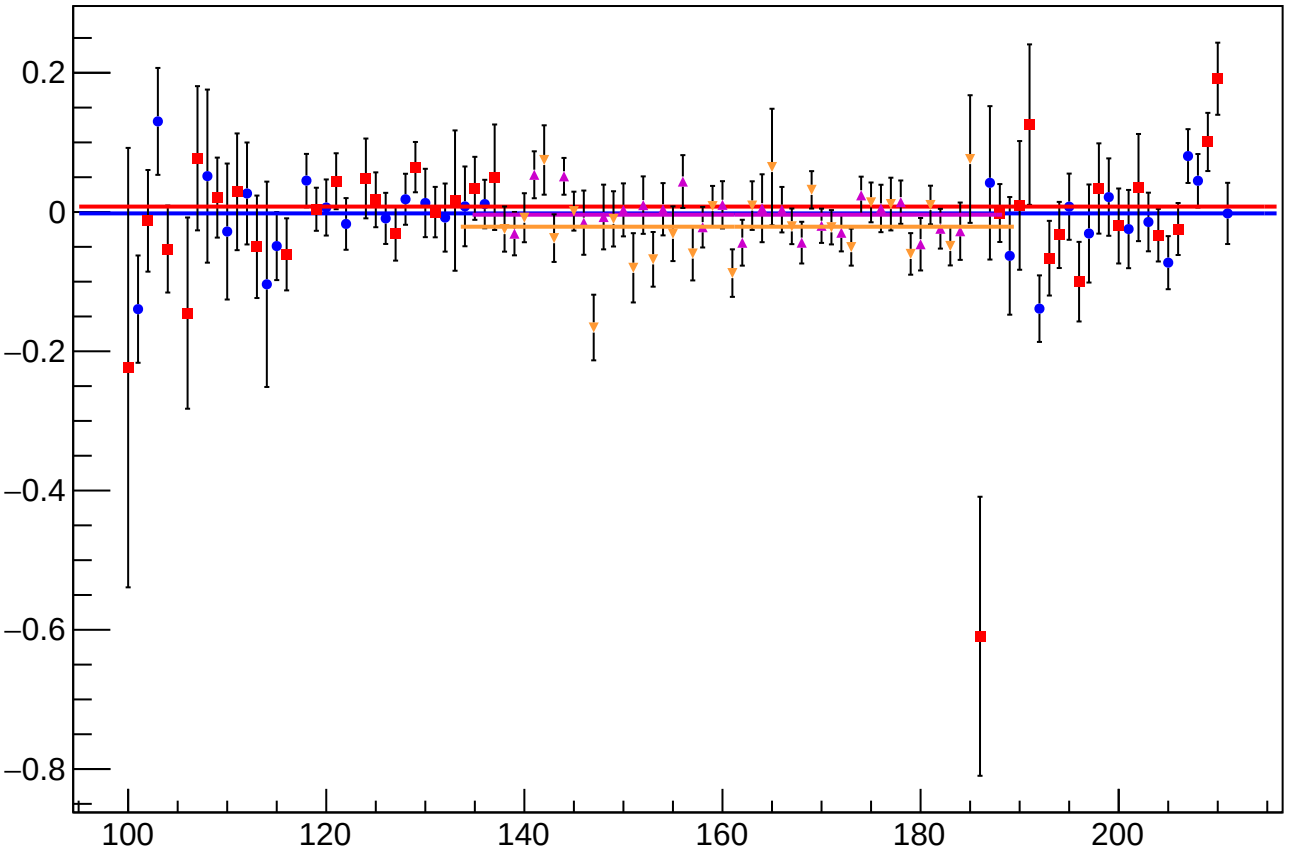
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.165+/-0.005 χ^2/NDF: 7135380.2/60

In: 30.714+/-0.004 χ^2/NDF:4796703.1/50

Out: 30.815+/-0.004 χ^2/NDF:6598446.8/57

All: 30.766+/-0.003 χ^2/NDF: 11395493.5/108



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.009 χ^2/NDF: 48.1/32

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

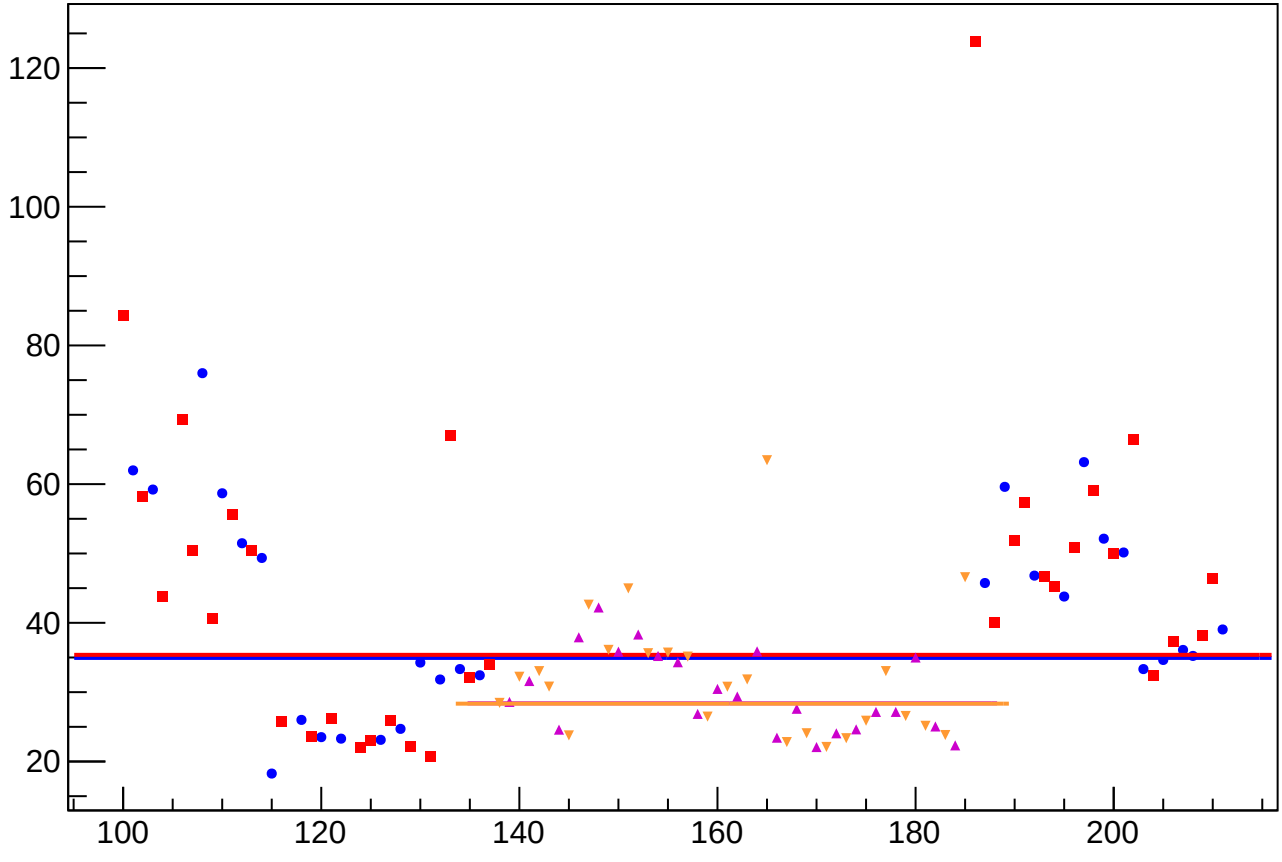
Right: 0.003+/-0.006 χ^2/NDF: 77.9/60

In: -0.003+/-0.006 χ^2/NDF:48.0/50

Out: -0.011+/-0.005 χ^2/NDF:91.8/57

All: -0.007+/-0.004 χ^2/NDF: 140.8/108

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.939+/-0.007 χ^2/NDF: 3050828.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.382+/-0.006 χ^2/NDF: 4082212.9/32

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

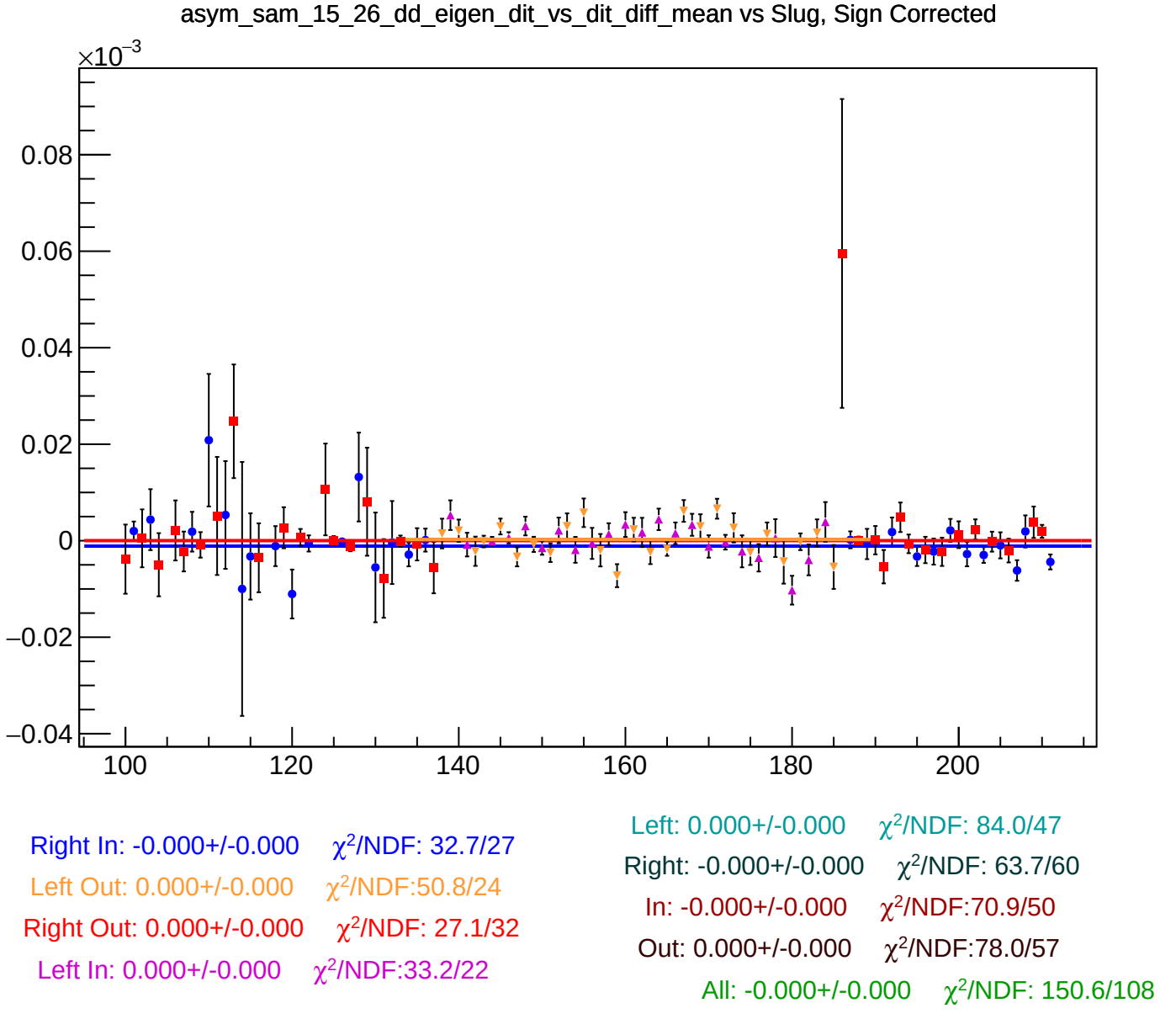
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.165+/-0.005 χ^2/NDF: 7135380.2/60

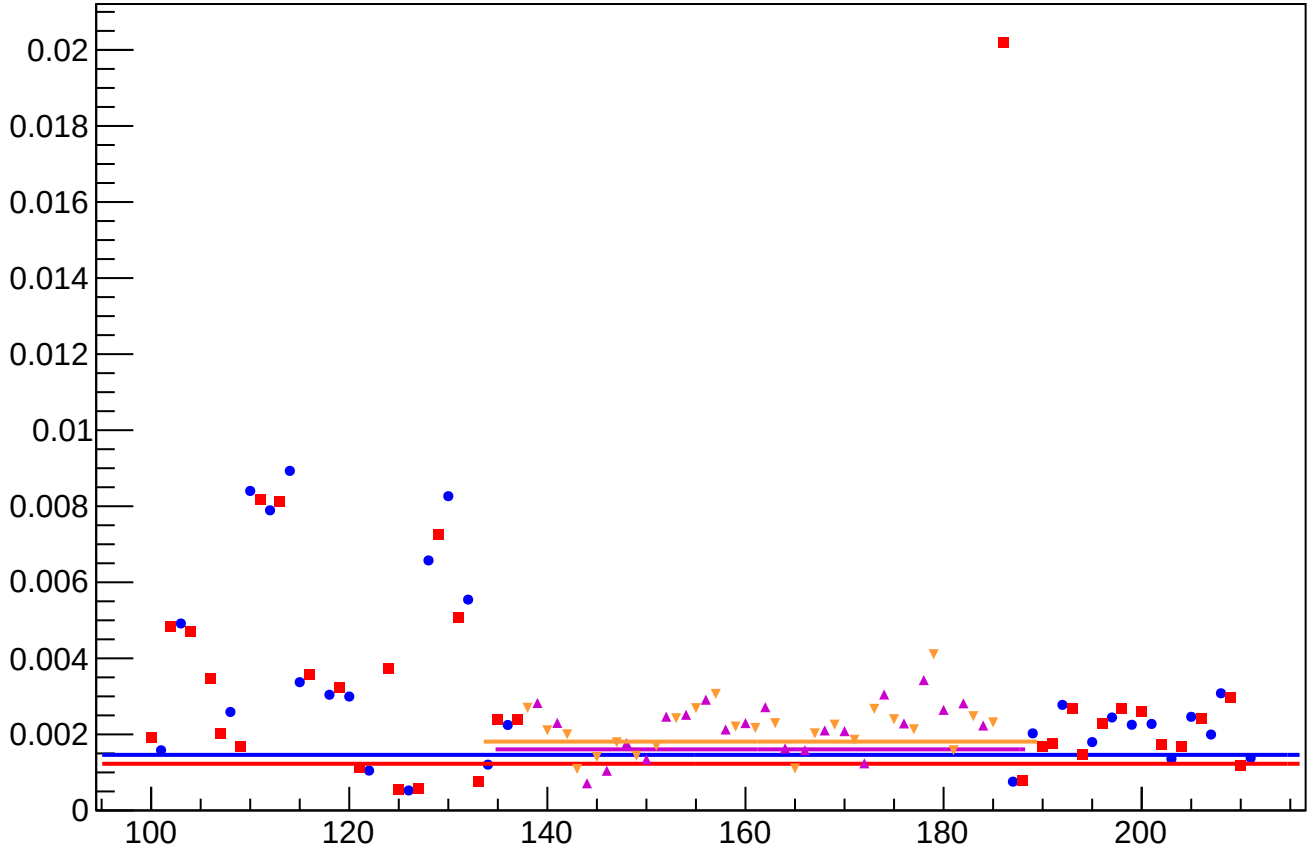
In: 30.714+/-0.004 χ^2/NDF:4796703.1/50

Out: 30.815+/-0.004 χ^2/NDF:6598446.8/57

All: 30.766+/-0.003 χ^2/NDF: 11395493.5/108


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: 32.7/27
Left Out: 0.000+/-0.000 χ²/NDF:50.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.1/32
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: 63.7/60
In: -0.000+/-0.000 χ²/NDF:70.9/50
Out: 0.000+/-0.000 χ²/NDF:78.0/57
All: -0.000+/-0.000 χ²/NDF: 150.6/108

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9749821.9/27

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11626402.6/32

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

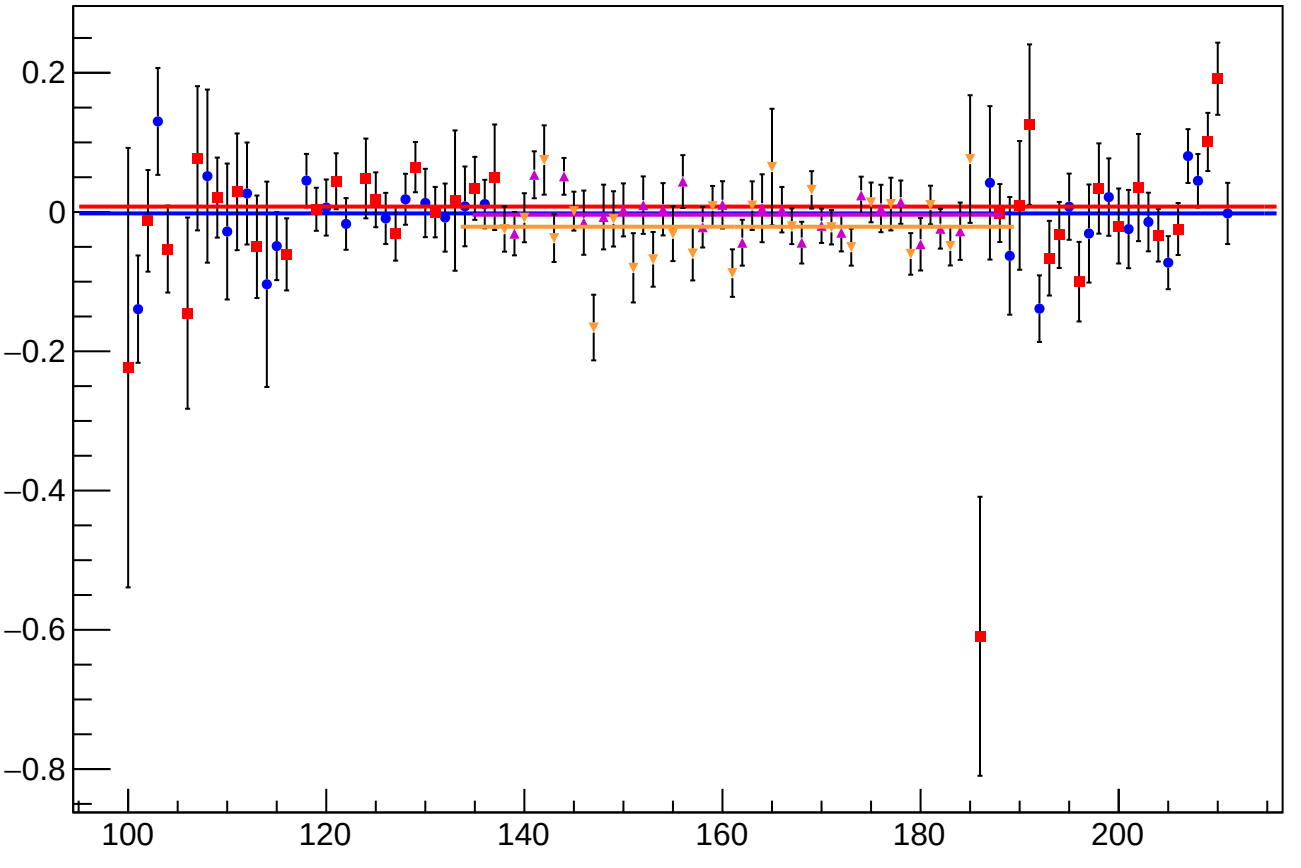
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 21704895.2/60

In: 0.002+/-0.000 χ^2/NDF:15895985.9/50

Out: 0.001+/-0.000 χ^2/NDF:17128406.2/57

All: 0.002+/-0.000 χ^2/NDF: 33068374.3/108



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.009 χ^2/NDF: 48.1/32

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

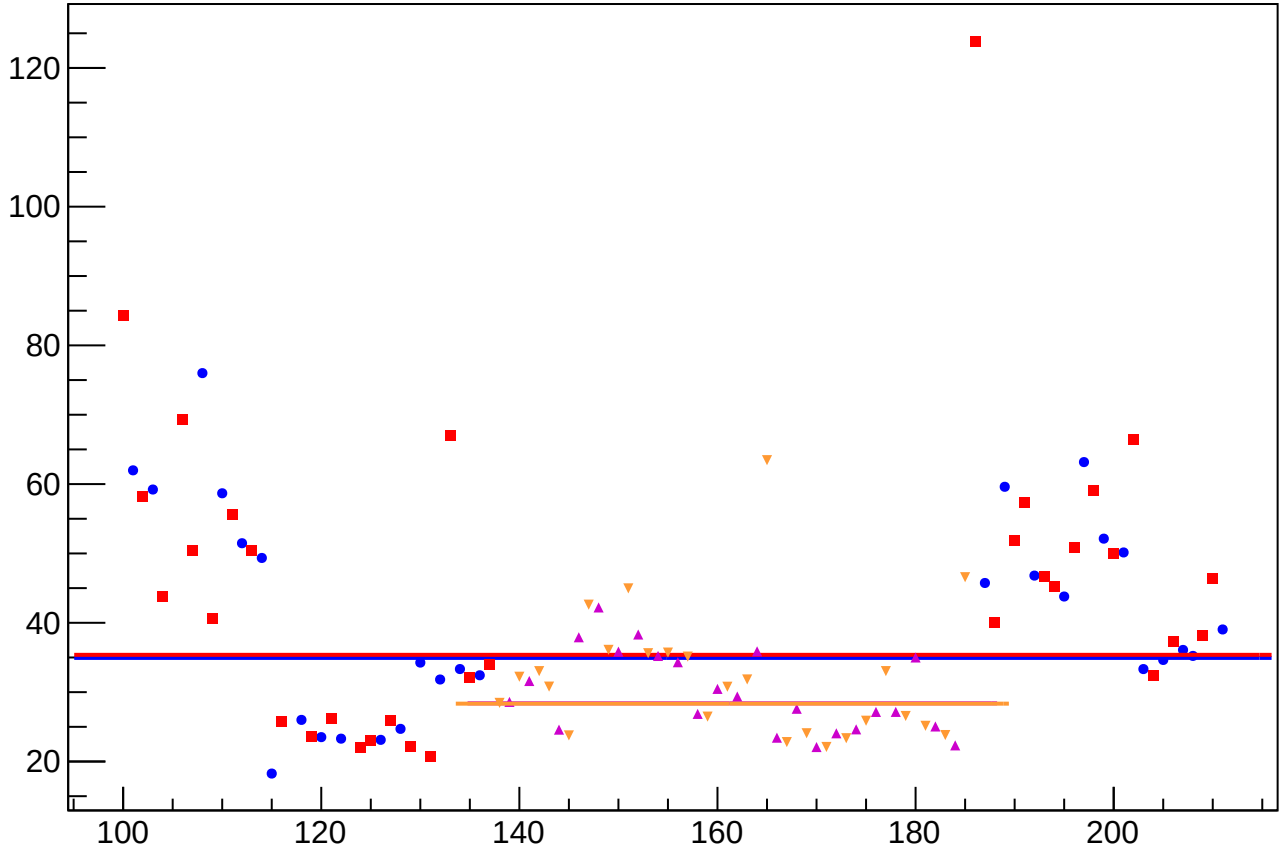
Right: 0.003+/-0.006 χ^2/NDF: 77.9/60

In: -0.003+/-0.006 χ^2/NDF:48.0/50

Out: -0.011+/-0.005 χ^2/NDF:91.8/57

All: -0.007+/-0.004 χ^2/NDF: 140.8/108

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.939+/-0.007 χ^2/NDF: 3050695.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.381+/-0.006 χ^2/NDF: 4082340.0/32

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

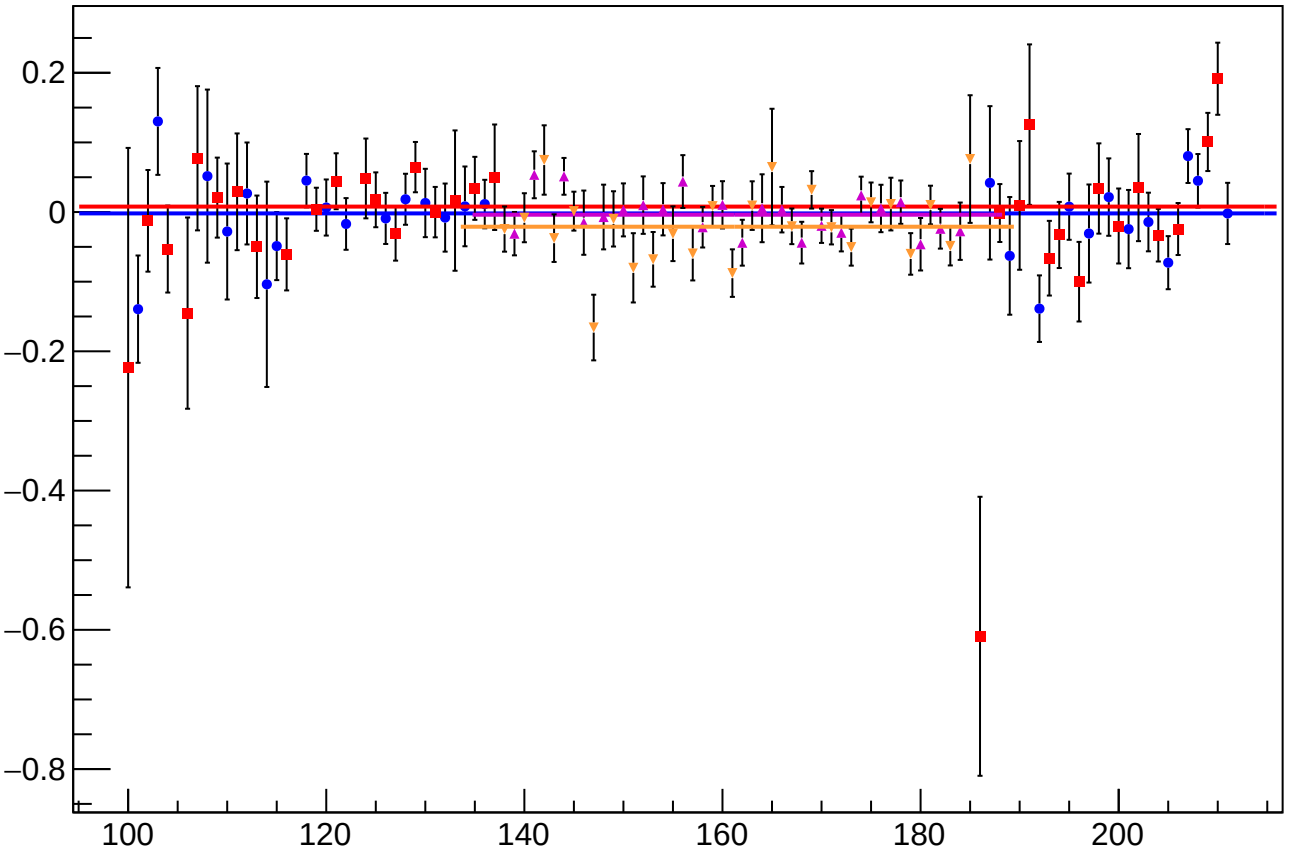
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.165+/-0.005 χ^2/NDF: 7135370.4/60

In: 30.714+/-0.004 χ^2/NDF:4796515.8/50

Out: 30.815+/-0.004 χ^2/NDF:6598469.7/57

All: 30.766+/-0.003 χ^2/NDF: 11395327.5/108



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/27

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.009 χ^2/NDF: 48.1/32

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

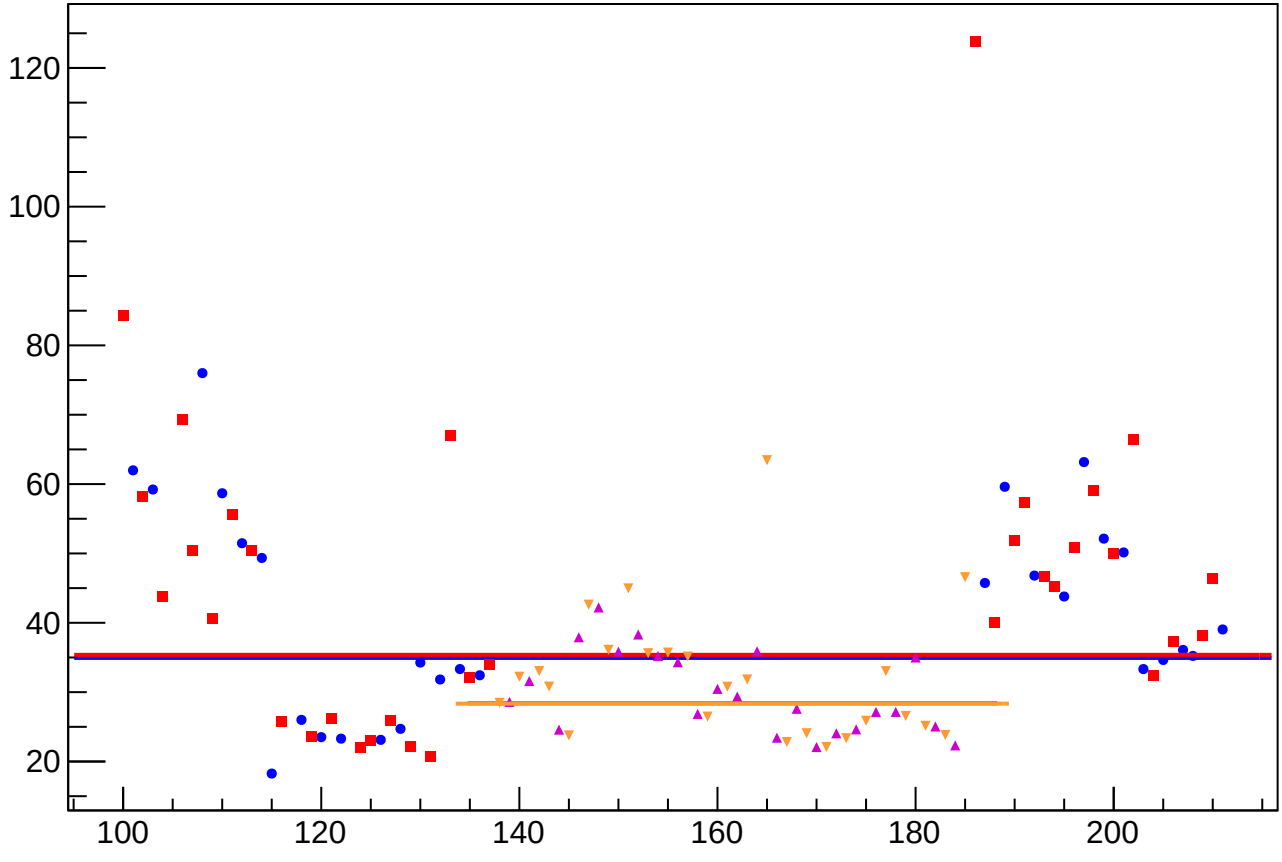
Right: 0.003+/-0.006 χ^2/NDF: 77.9/60

In: -0.003+/-0.006 χ^2/NDF:48.0/50

Out: -0.011+/-0.005 χ^2/NDF:91.8/57

All: -0.007+/-0.004 χ^2/NDF: 140.8/108

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.939+/-0.007 χ^2/NDF: 3050695.8/27

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.381+/-0.006 χ^2/NDF: 4082340.0/32

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

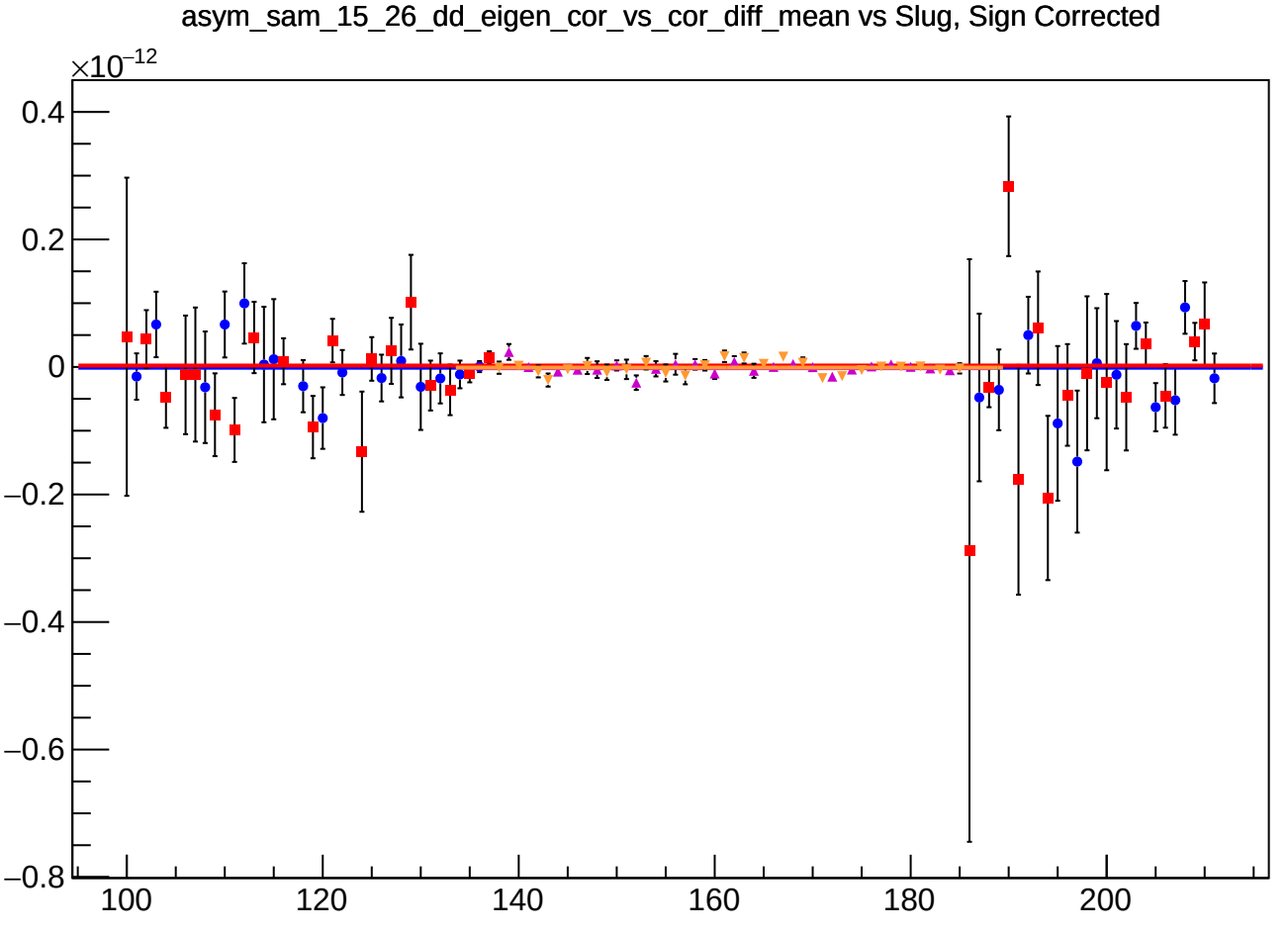
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.165+/-0.005 χ^2/NDF: 7135370.4/60

In: 30.714+/-0.004 χ^2/NDF:4796515.8/50

Out: 30.815+/-0.004 χ^2/NDF:6598469.7/57

All: 30.766+/-0.003 χ^2/NDF: 11395327.5/108



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/27

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/32

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

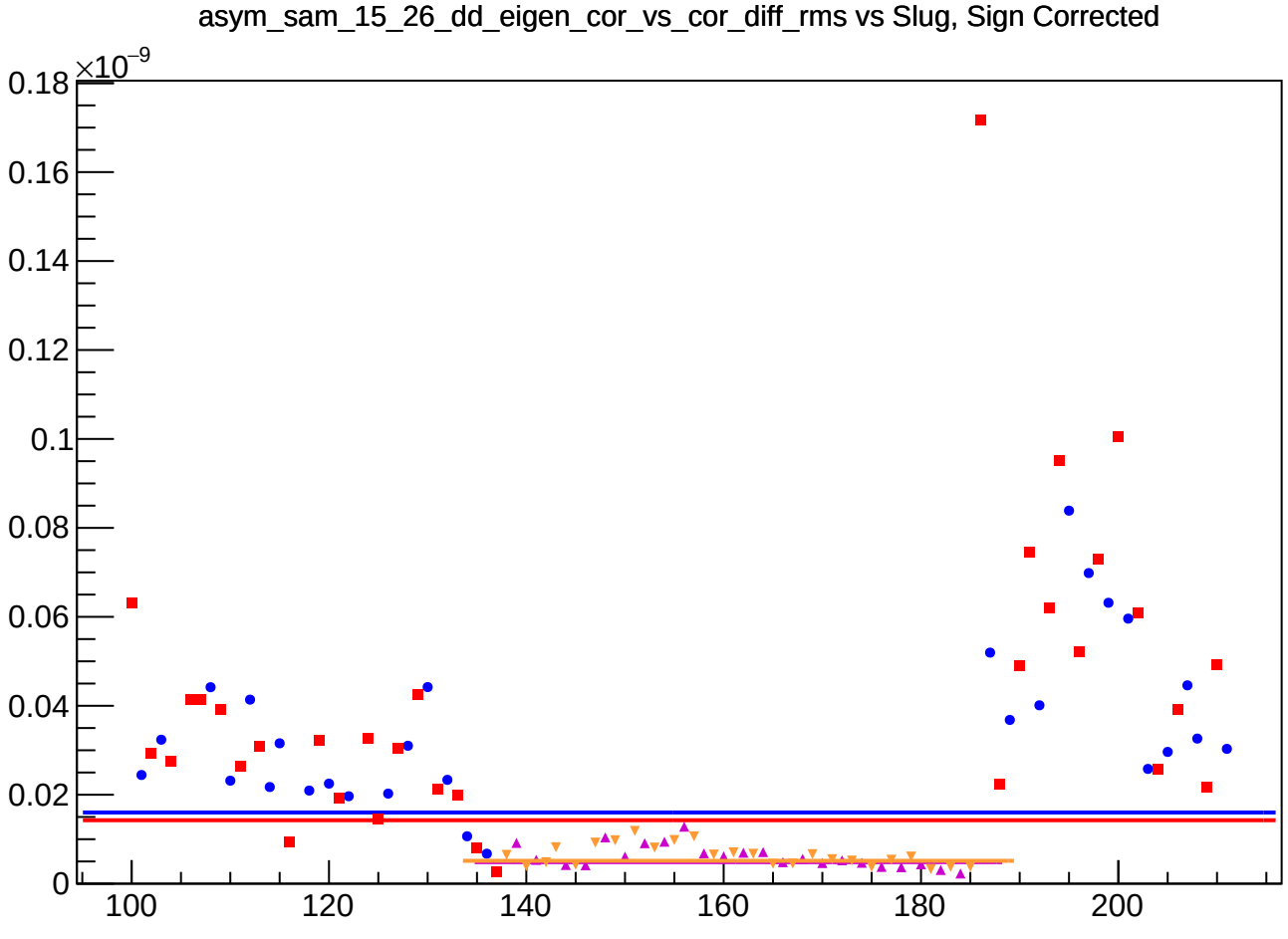
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 65.3/60

In: -0.000+/-0.000 χ^2/NDF:45.7/50

Out: -0.000+/-0.000 χ^2/NDF:73.3/57

All: -0.000+/-0.000 χ^2/NDF: 119.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 8527402.3/27

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11324494.0/32

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

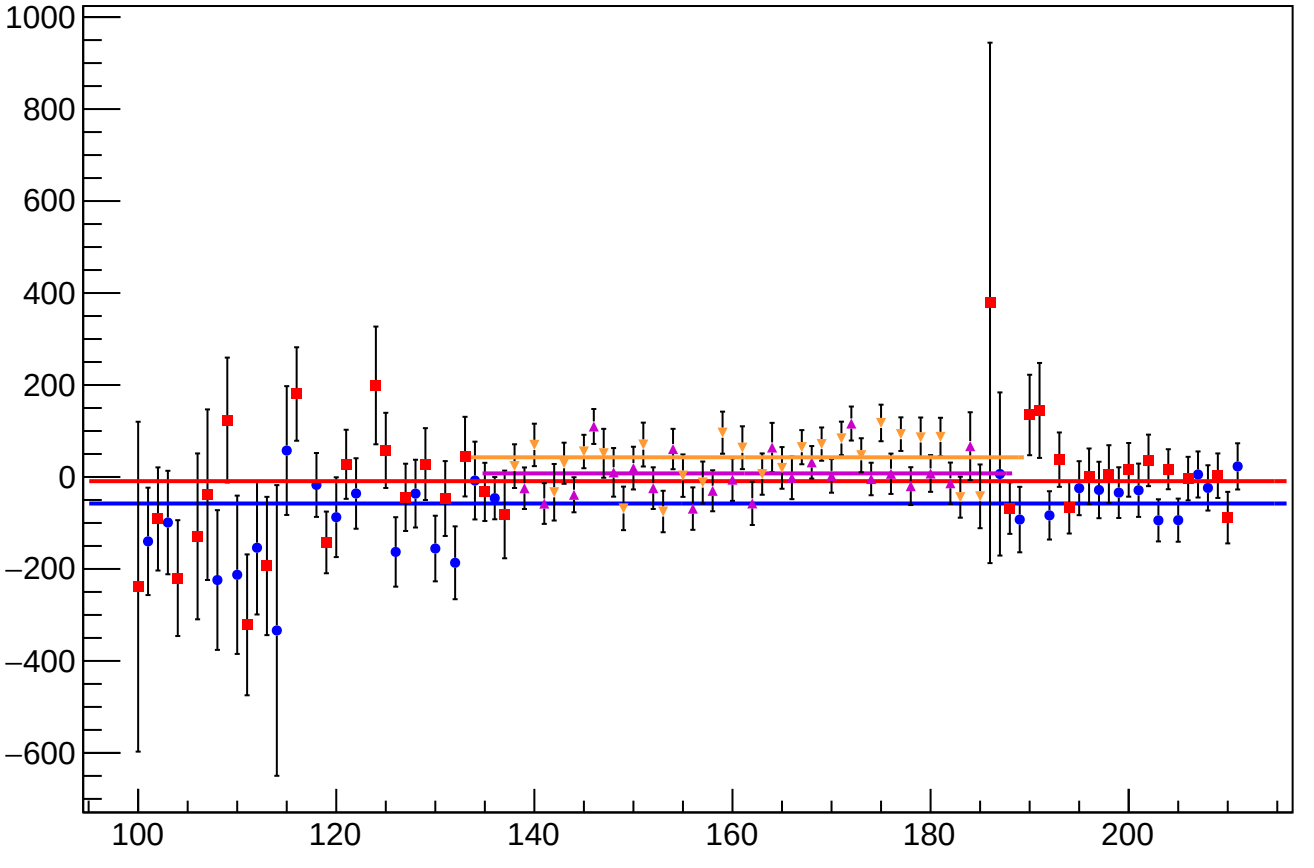
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19931736.6/60

In: 0.000+/-0.000 χ^2/NDF:17632025.3/50

Out: 0.000+/-0.000 χ^2/NDF:18605371.0/57

All: 0.000+/-0.000 χ^2/NDF: 36266483.6/108



Right In: -57.695+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -9.097+/-12.846 χ^2/NDF: 35.1/32

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

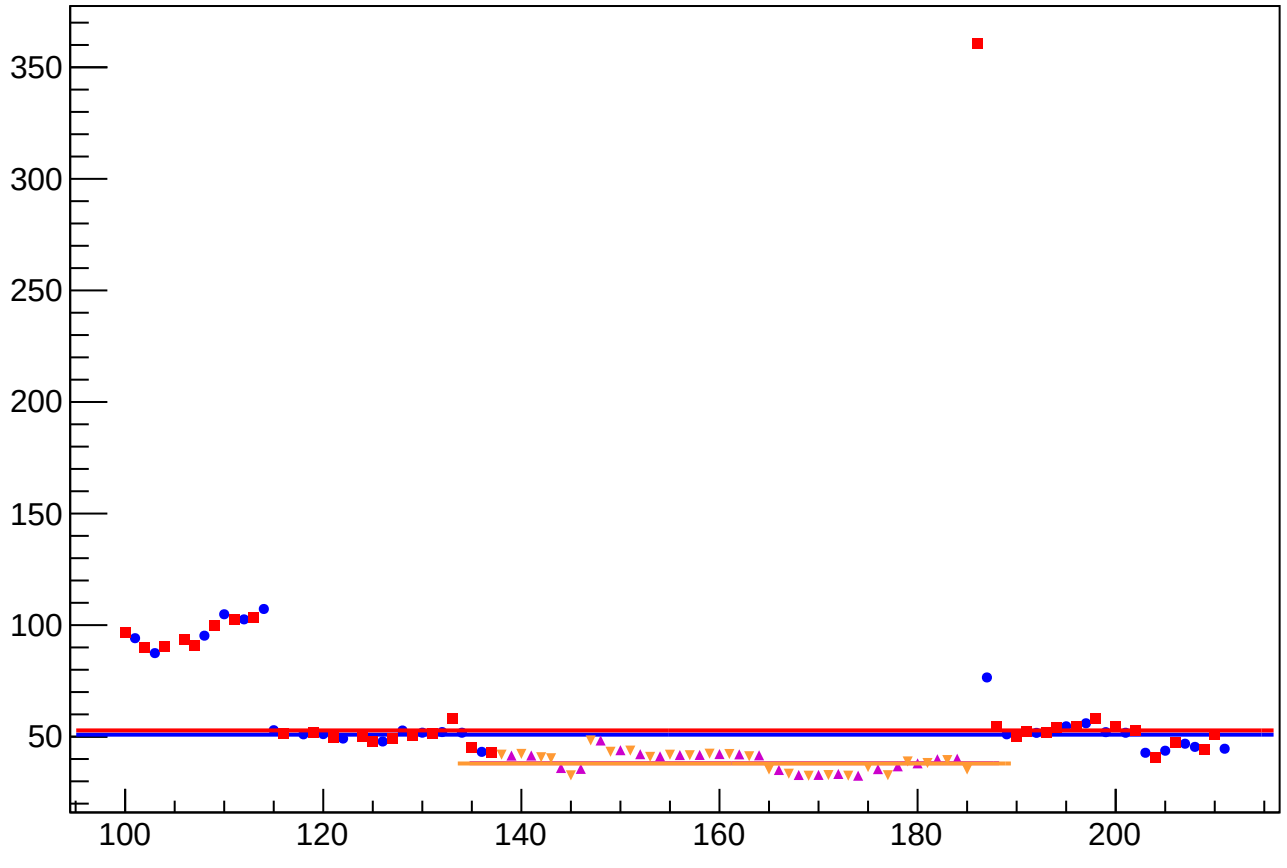
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -33.454+/-9.073 χ^2/NDF: 61.8/60

In: -13.762+/-7.351 χ^2/NDF:67.6/50

Out: 26.462+/-7.202 χ^2/NDF:81.0/57

All: 6.761+/-5.145 χ^2/NDF: 163.9/108



Right In: 50.914+/-0.009 χ^2/NDF: 1477342.7/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.813+/-0.009 χ^2/NDF: 2238142.7/32

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

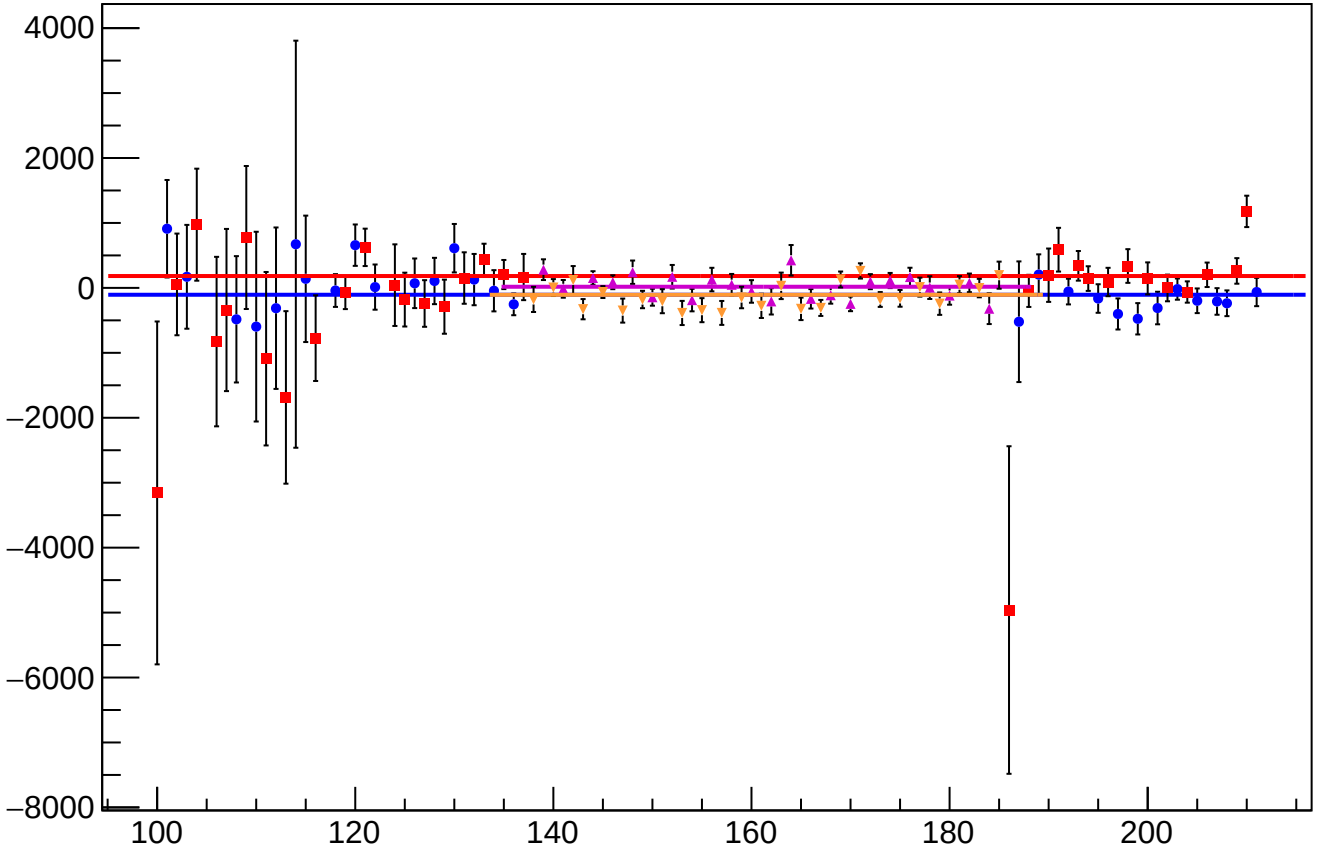
Right: 51.861+/-0.006 χ^2/NDF: 3737385.8/60

In: 42.338+/-0.005 χ^2/NDF:3240521.5/50

Out: 42.650+/-0.005 χ^2/NDF:4577673.8/57

All: 42.497+/-0.004 χ^2/NDF: 7820023.4/108

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -105.737+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 182.595+/-51.894 χ^2/NDF: 44.2/32

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

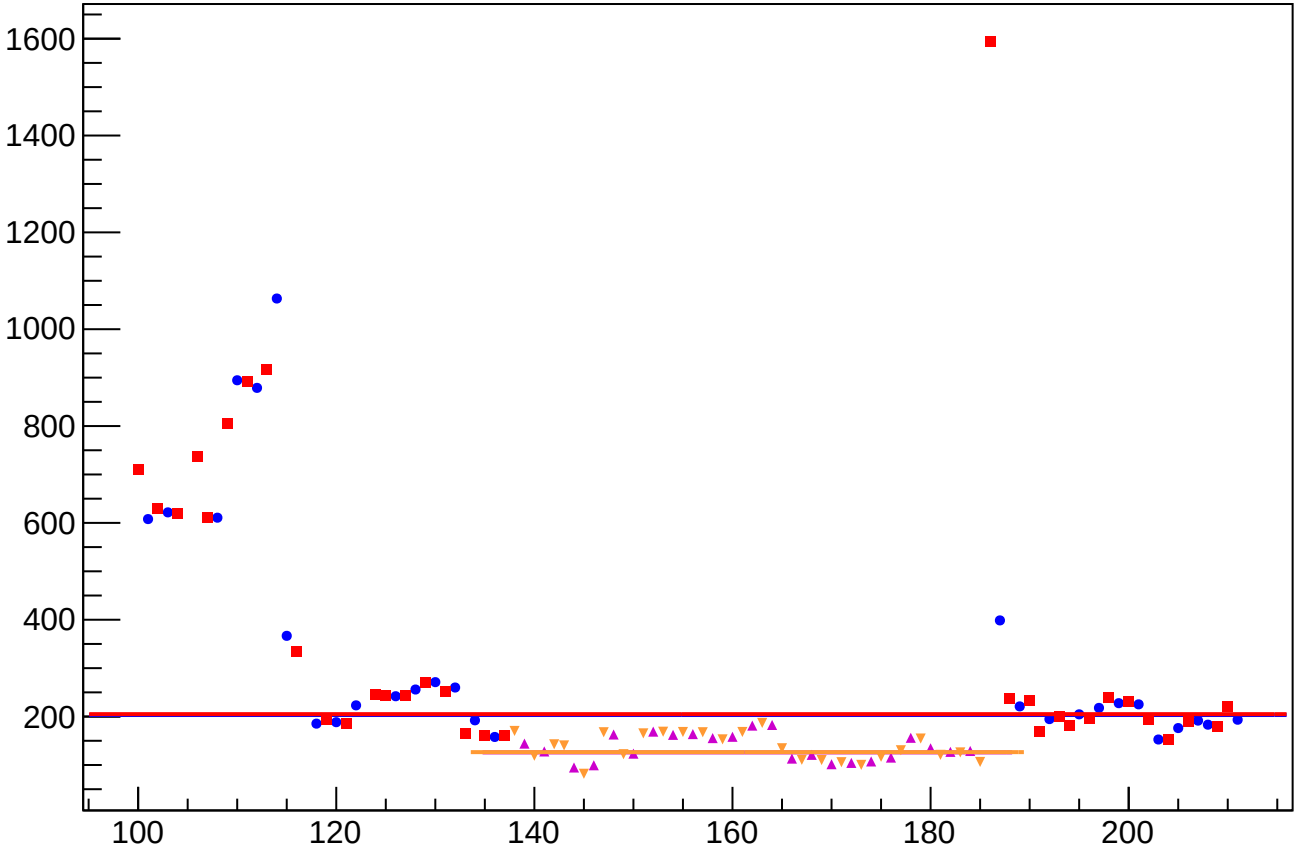
Right: 41.066+/-37.029 χ^2/NDF: 80.2/60

In: -12.798+/-26.212 χ^2/NDF:53.2/50

Out: -35.671+/-25.687 χ^2/NDF:105.2/57

All: -24.466+/-18.346 χ^2/NDF: 158.8/108

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 203.220+/-0.037 χ^2/NDF: 3471876.7/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 205.017+/-0.037 χ^2/NDF: 4776279.8/32

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

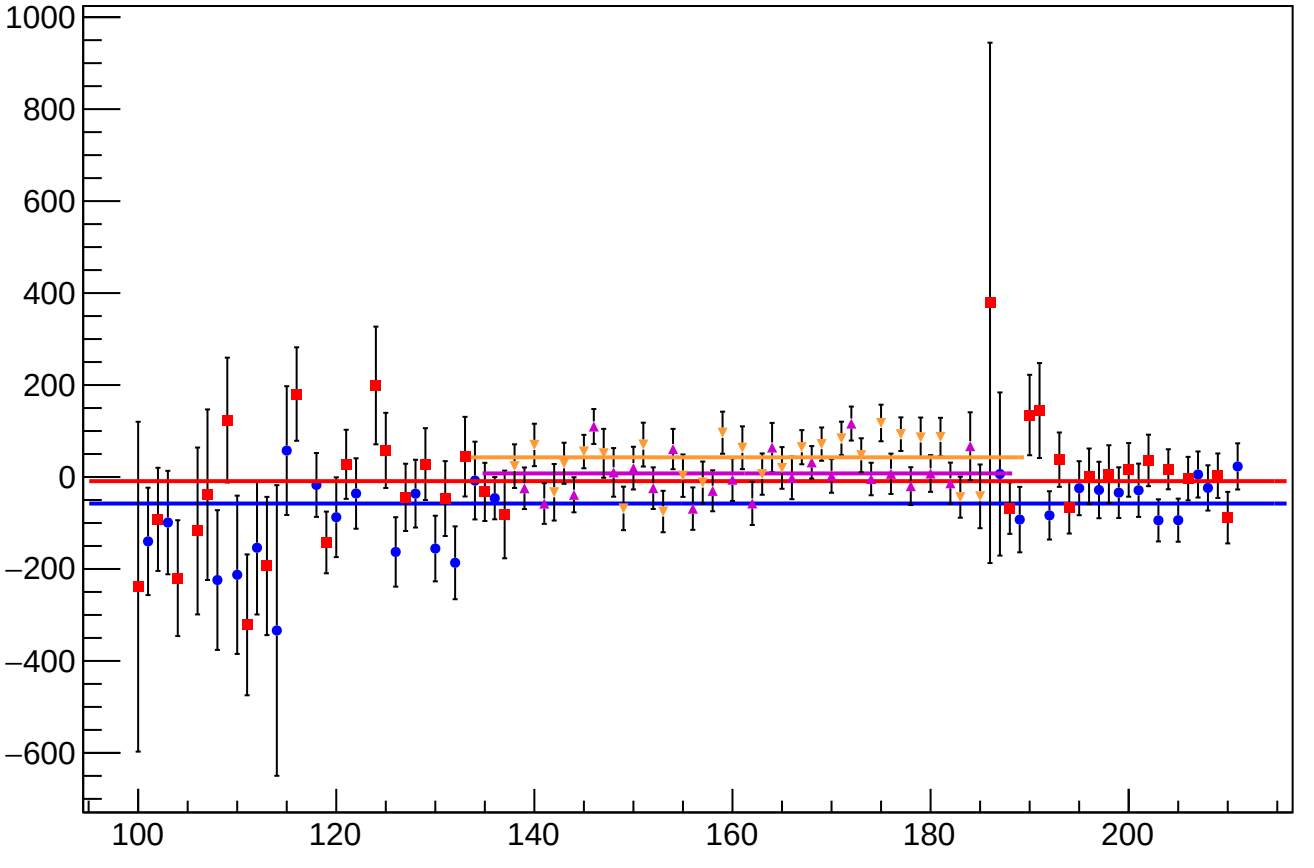
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 204.135+/-0.026 χ^2/NDF: 8249334.0/60

In: 145.003+/-0.019 χ^2/NDF:8100663.4/50

Out: 145.784+/-0.018 χ^2/NDF:9985715.9/57

All: 145.401+/-0.013 χ^2/NDF: 18087285.6/10



Right In: -57.693+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -9.042+/-12.846 χ^2/NDF: 35.0/32

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

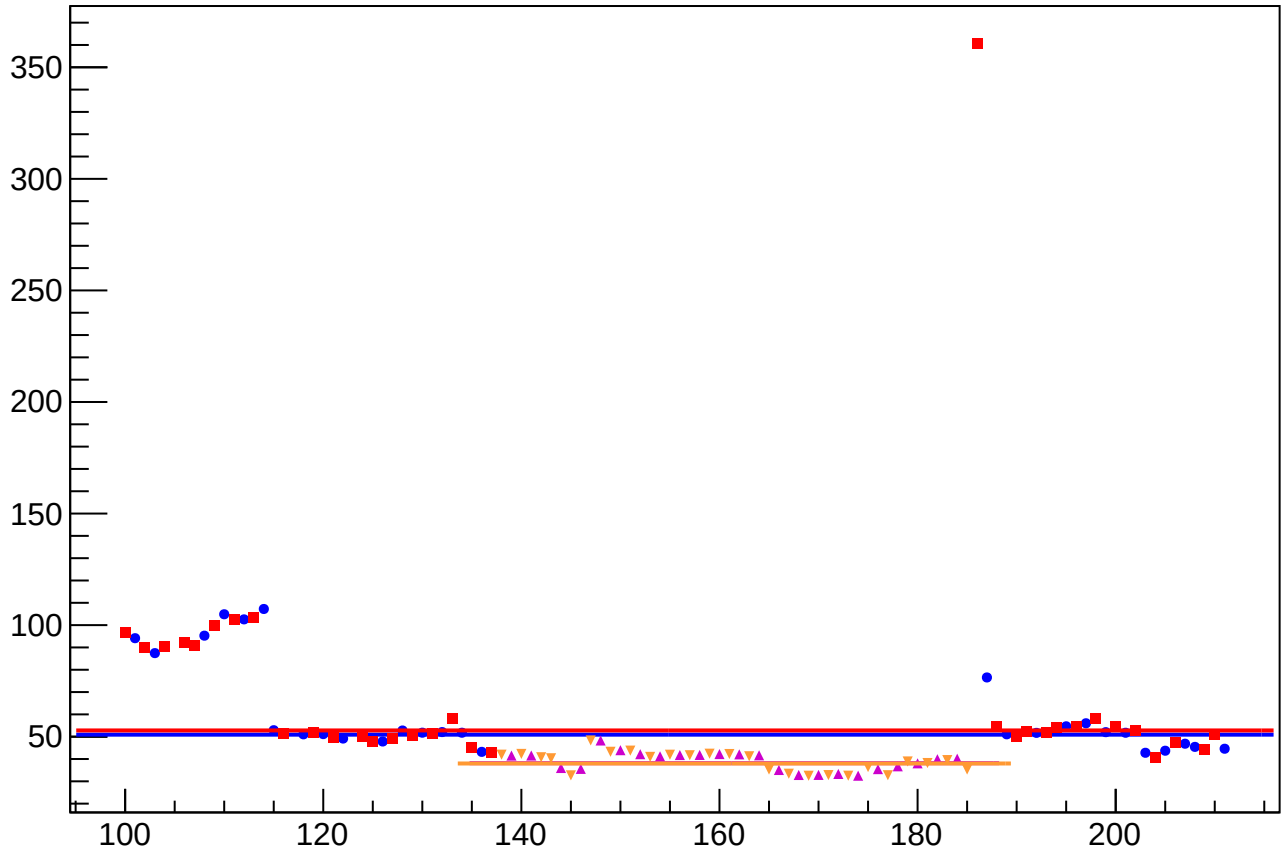
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.427+/-9.073 χ^2/NDF: 61.7/60

In: -13.760+/-7.351 χ^2/NDF:67.6/50

Out: 26.481+/-7.202 χ^2/NDF:80.9/57

All: 6.771+/-5.145 χ^2/NDF: 163.8/108



Right In: 50.914+/-0.009 χ^2/NDF: 1477343.0/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.803+/-0.009 χ^2/NDF: 2229606.0/32

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

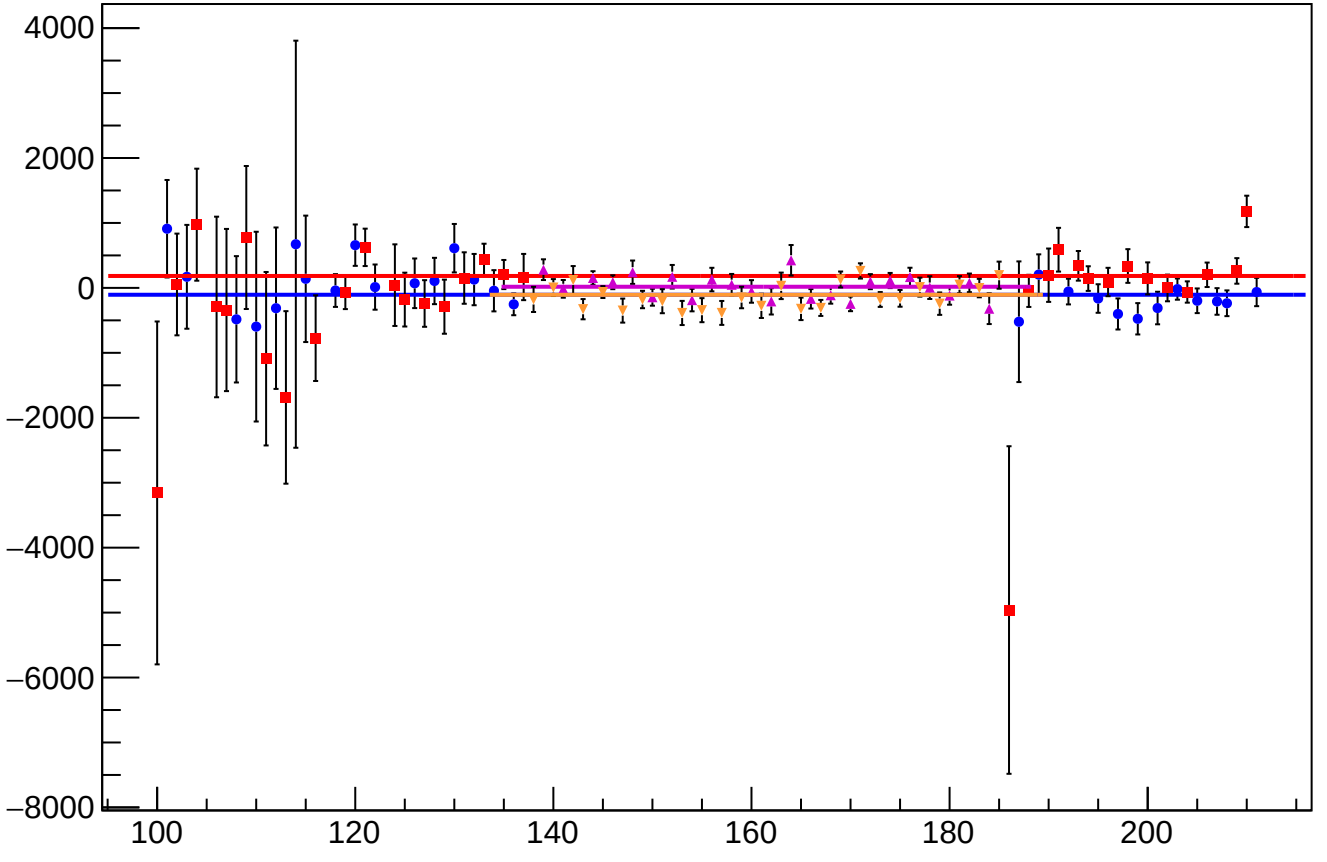
Right: 51.856+/-0.006 χ^2/NDF: 3728616.6/60

In: 42.338+/-0.005 χ^2/NDF:3240521.6/50

Out: 42.646+/-0.005 χ^2/NDF:4566570.5/57

All: 42.495+/-0.004 χ^2/NDF: 7808880.7/108

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -105.735+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 183.517+/-51.899 χ^2/NDF: 43.7/32

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

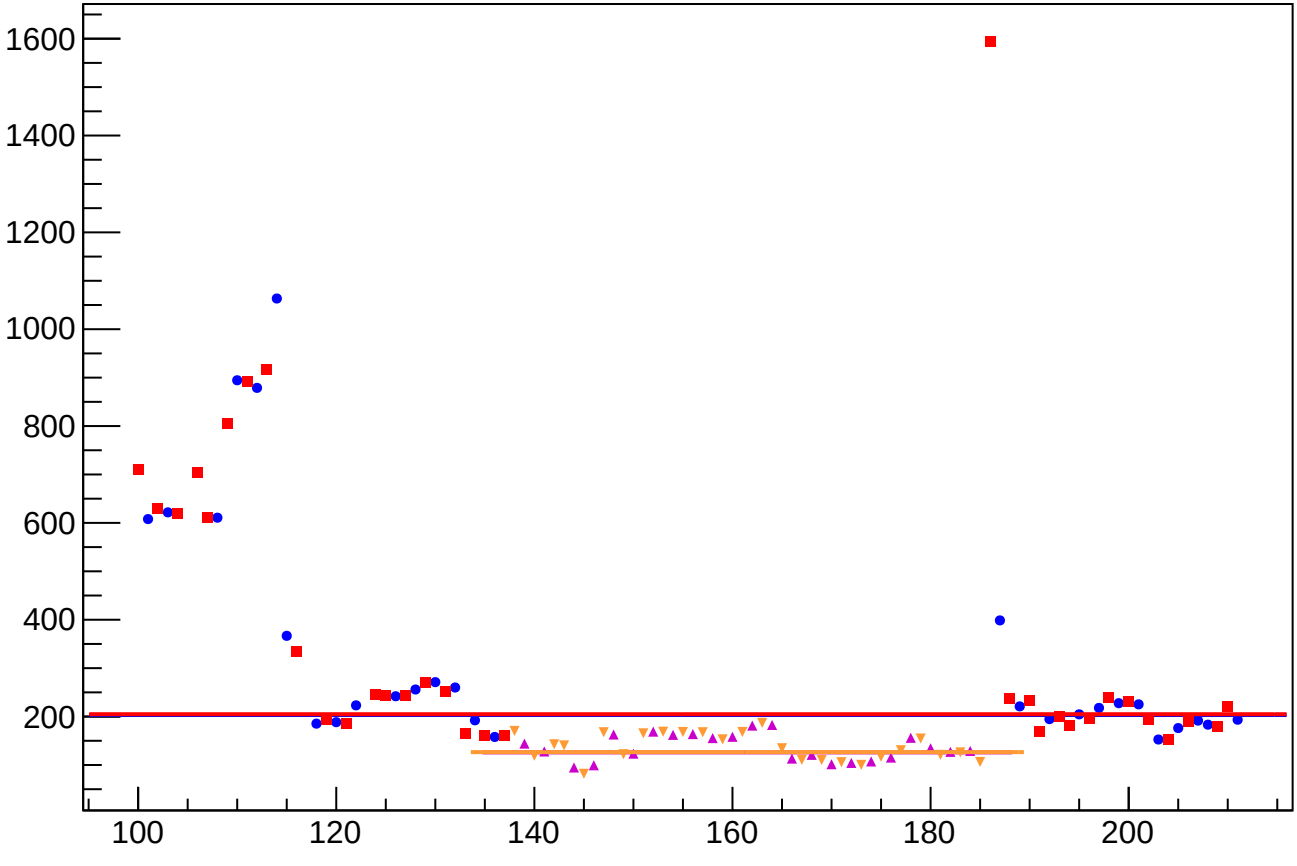
Right: 41.523+/-37.031 χ^2/NDF: 79.8/60

In: -12.797+/-26.212 χ^2/NDF:53.2/50

Out: -35.455+/-25.688 χ^2/NDF:104.9/57

All: -24.355+/-18.346 χ^2/NDF: 158.5/108

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.220+/-0.037 χ^2/NDF: 3471885.5/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.872+/-0.037 χ^2/NDF: 4702873.9/32

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

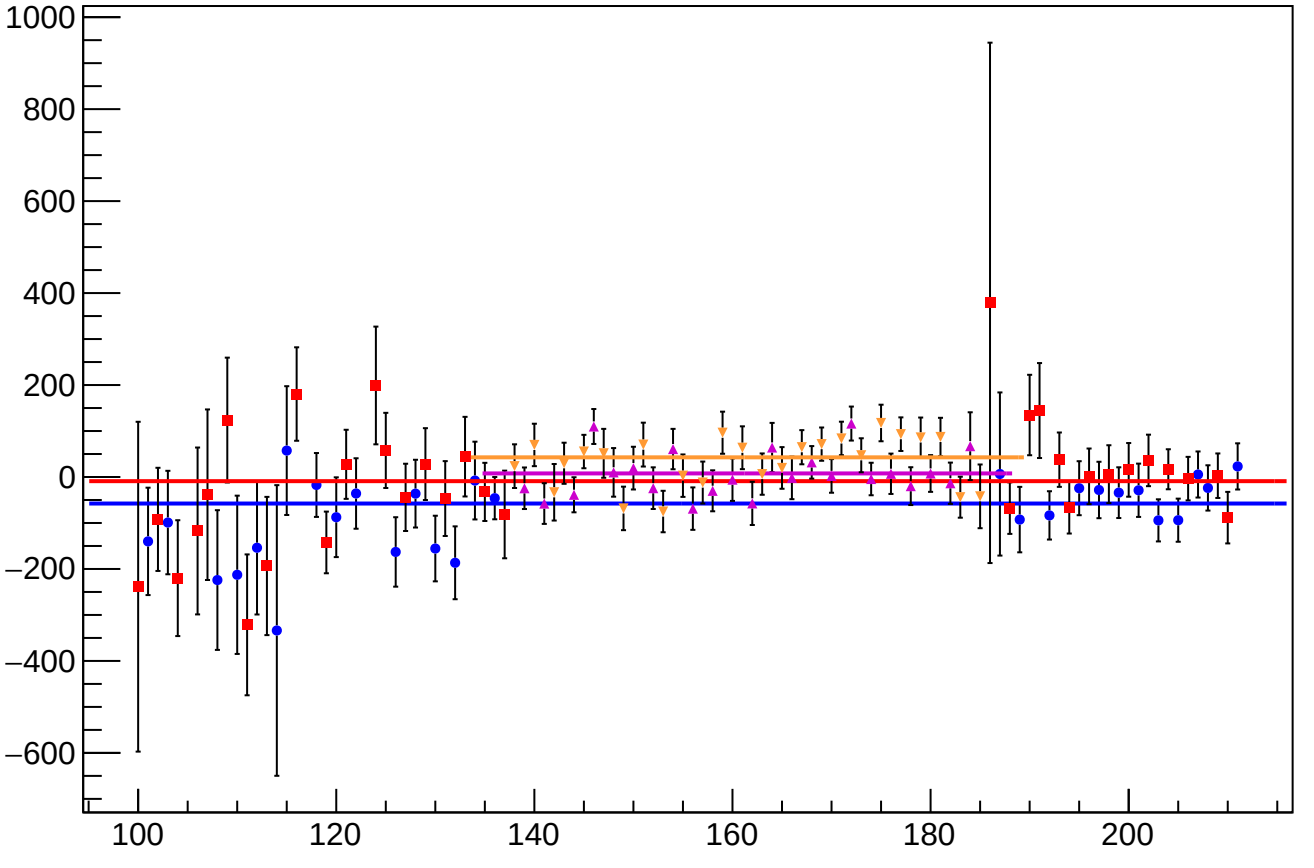
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 204.061+/-0.026 χ^2/NDF: 8175754.7/60

In: 145.003+/-0.019 χ^2/NDF:8100685.0/50

Out: 145.746+/-0.018 χ^2/NDF:9899056.9/57

All: 145.382+/-0.013 χ^2/NDF: 18000561.9/10



Right In: -57.693+/-12.815 χ^2/NDF: 19.5/27

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -9.042+/-12.846 χ^2/NDF: 35.0/32

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

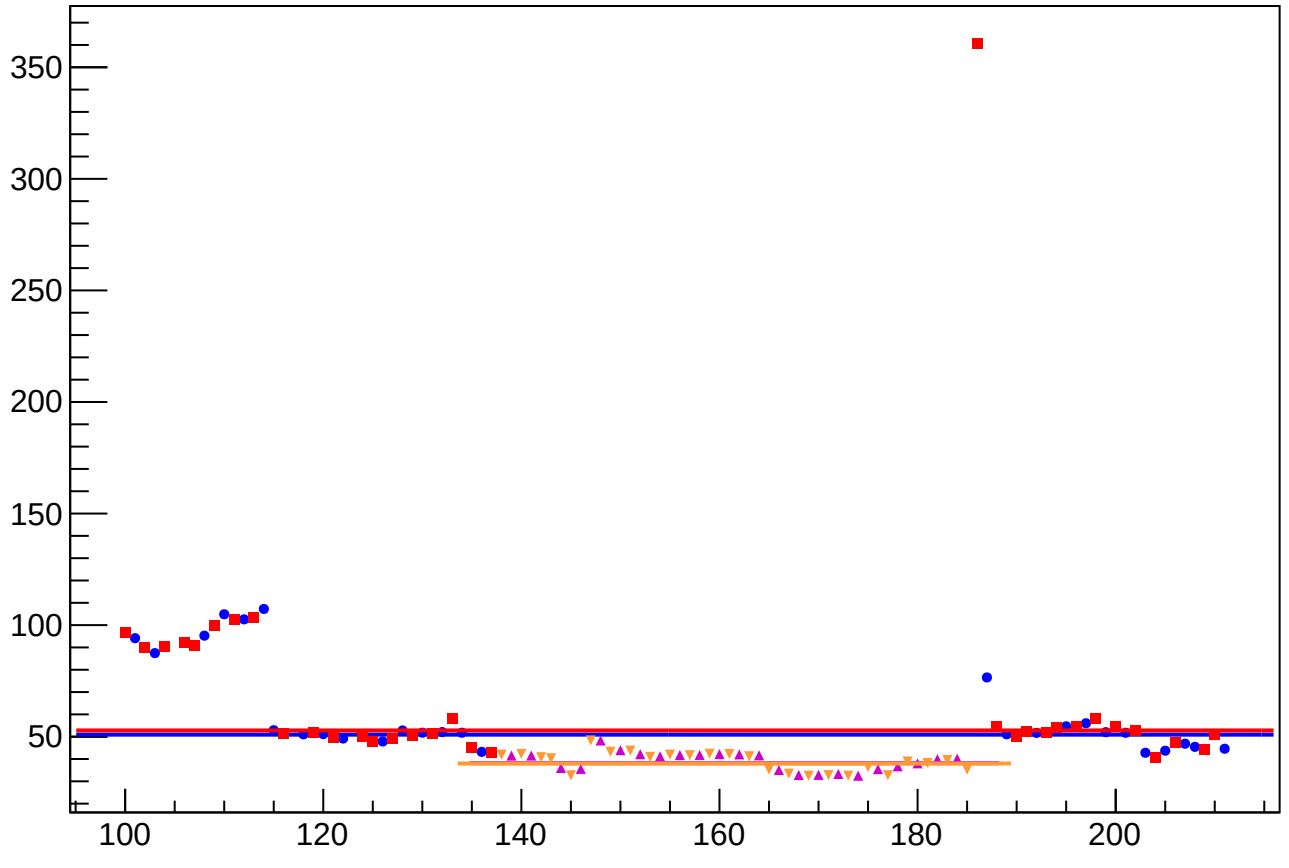
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.427+/-9.073 χ^2/NDF: 61.7/60

In: -13.760+/-7.351 χ^2/NDF:67.6/50

Out: 26.481+/-7.202 χ^2/NDF:80.9/57

All: 6.771+/-5.145 χ^2/NDF: 163.8/108



Right In: 50.914+/-0.009 χ^2/NDF: 1477343.0/27

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.803+/-0.009 χ^2/NDF: 2229606.0/32

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

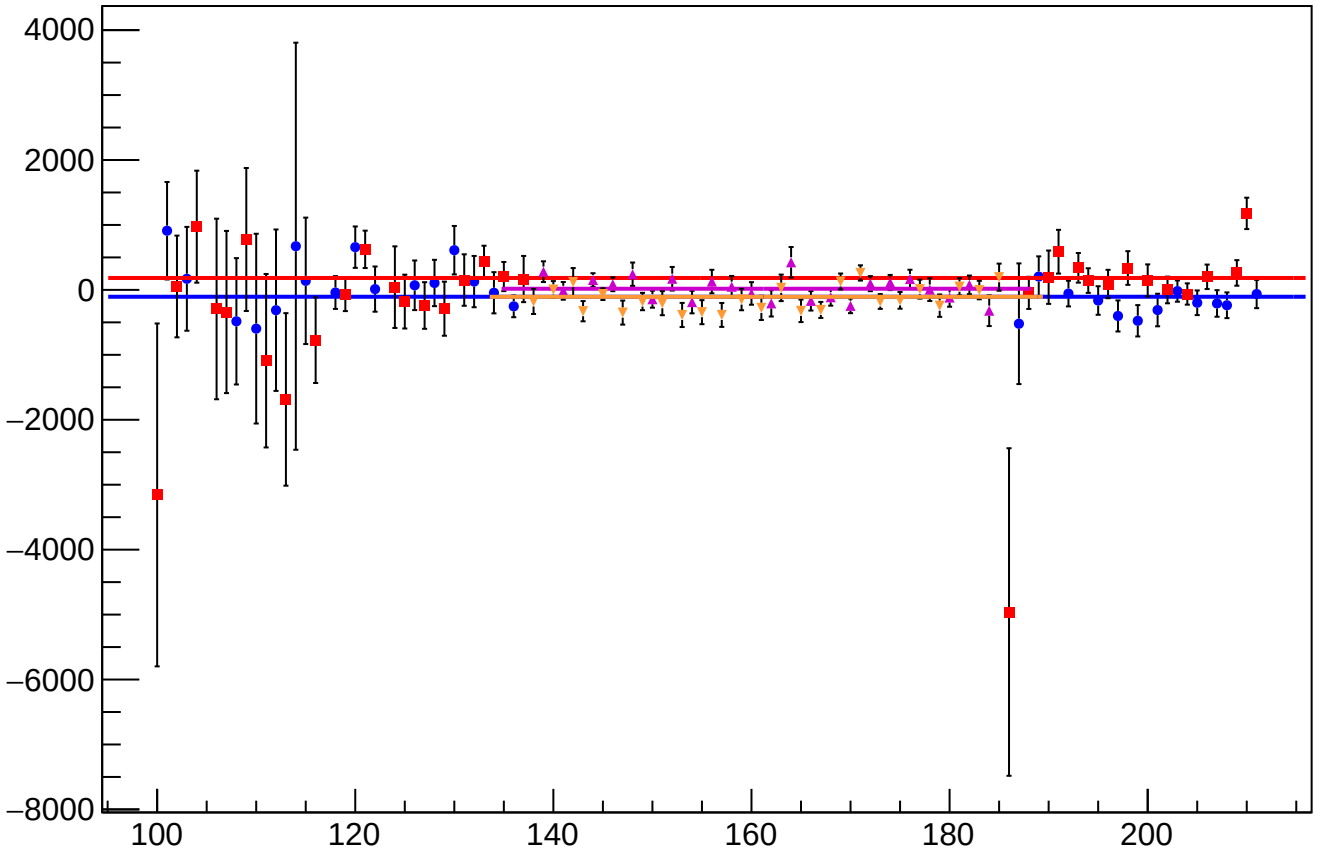
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.856+/-0.006 χ^2/NDF: 3728616.6/60

In: 42.338+/-0.005 χ^2/NDF:3240521.6/50

Out: 42.646+/-0.005 χ^2/NDF:4566570.5/57

All: 42.495+/-0.004 χ^2/NDF: 7808880.7/108



Right In: -105.735+/-52.852 χ^2/NDF: 20.8/27

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 183.517+/-51.899 χ^2/NDF: 43.7/32

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

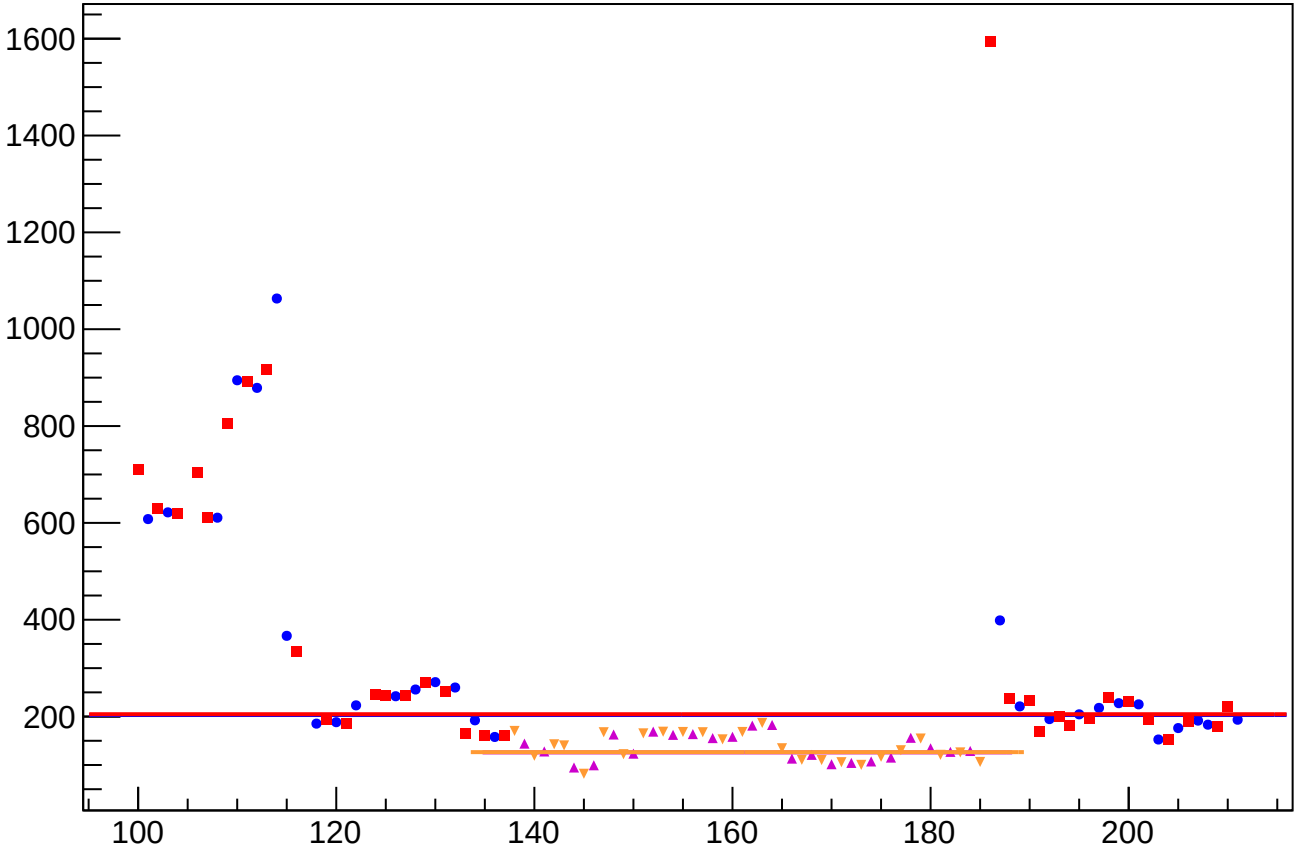
Right: 41.523+/-37.031 χ^2/NDF: 79.8/60

In: -12.797+/-26.212 χ^2/NDF:53.2/50

Out: -35.455+/-25.688 χ^2/NDF:104.9/57

All: -24.355+/-18.346 χ^2/NDF: 158.5/108

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.220+/-0.037 χ^2/NDF: 3471885.5/27

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.872+/-0.037 χ^2/NDF: 4702873.9/32

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

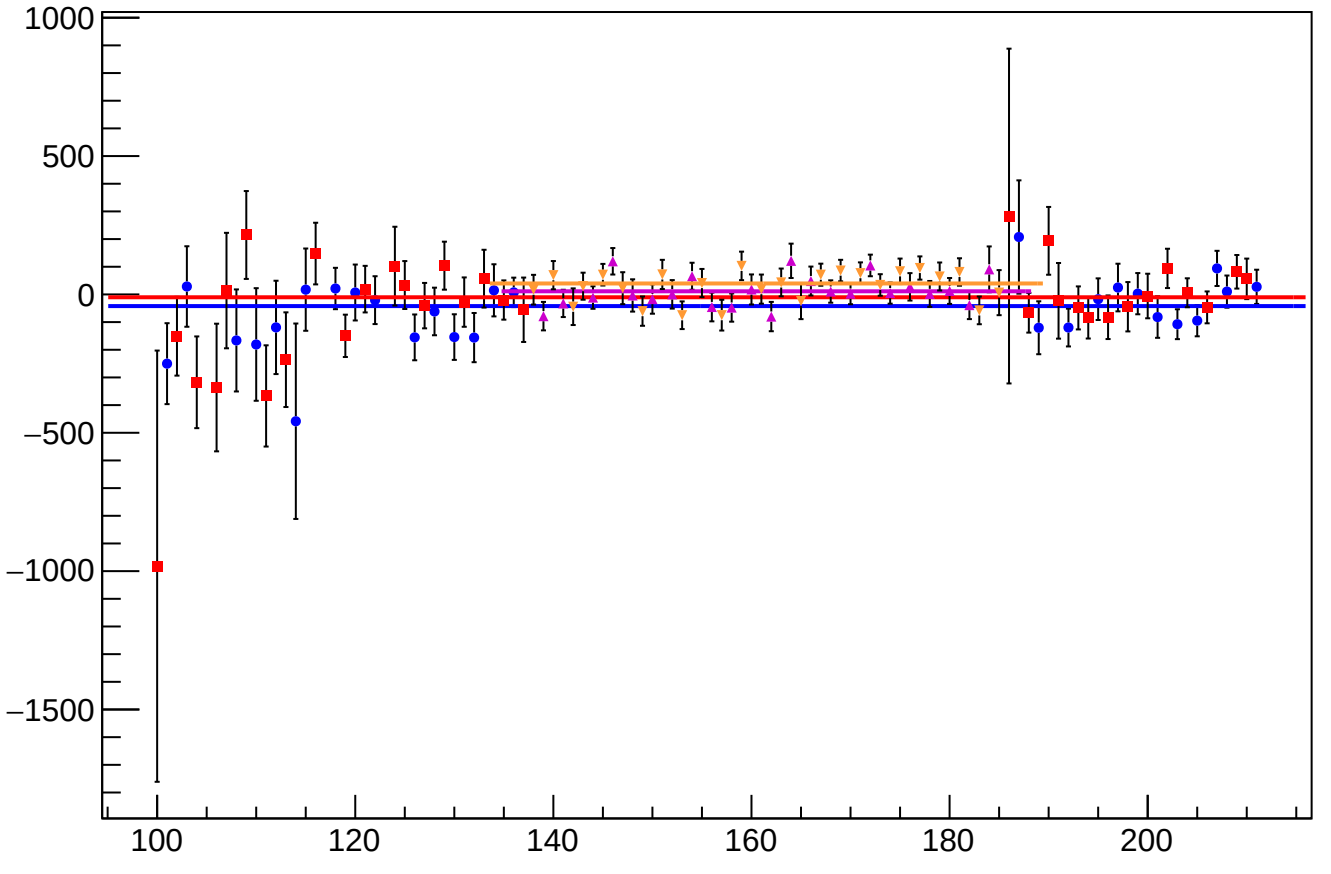
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 204.061+/-0.026 χ^2/NDF: 8175754.7/60

In: 145.003+/-0.019 χ^2/NDF:8100685.0/50

Out: 145.746+/-0.018 χ^2/NDF:9899056.9/57

All: 145.382+/-0.013 χ^2/NDF: 18000561.9/10



Right In: -42.153+/-15.529 χ^2/NDF: 26.4/27

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -10.299+/-15.797 χ^2/NDF: 36.0/32

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -26.499+/-11.074 χ^2/NDF: 64.5/60

In: -4.535+/-8.453 χ^2/NDF:62.7/50

Out: 25.819+/-8.294 χ^2/NDF:72.8/57

All: 10.930+/-5.920 χ^2/NDF: 142.1/108

Right In: 61.272+/-0.011 χ^2/NDF: 1751592.7/27

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.429+/-0.011 χ^2/NDF: 2575448.9/32

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

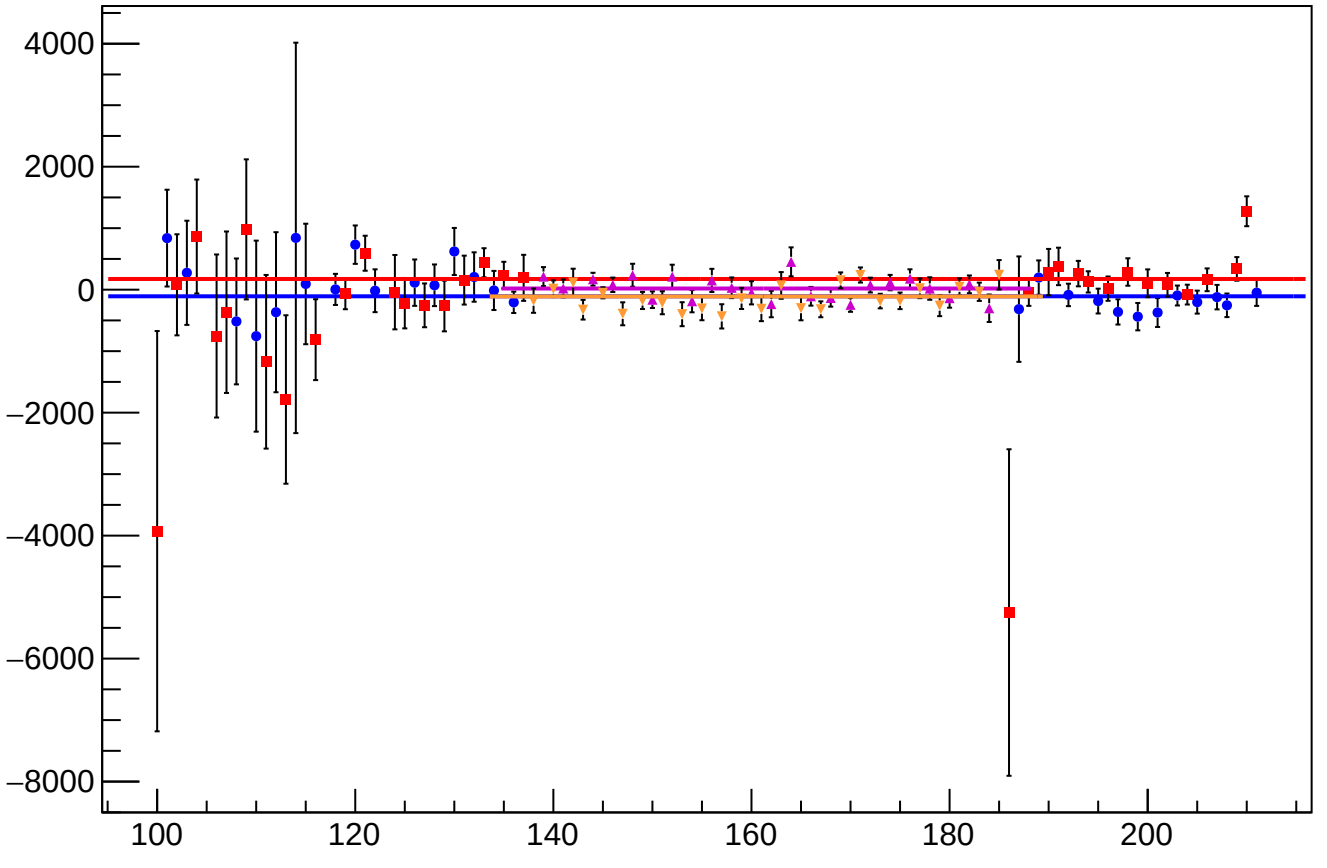
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 62.823+/-0.008 χ^2/NDF: 4367668.4/60

In: 48.118+/-0.006 χ^2/NDF:4380677.4/50

Out: 48.491+/-0.006 χ^2/NDF:6084537.3/57

All: 48.308+/-0.004 χ^2/NDF: 10467202.3/108



Right In: -107.721+/-51.063 χ^2/NDF: 22.3/27

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 173.766+/-49.326 χ^2/NDF: 47.5/32

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

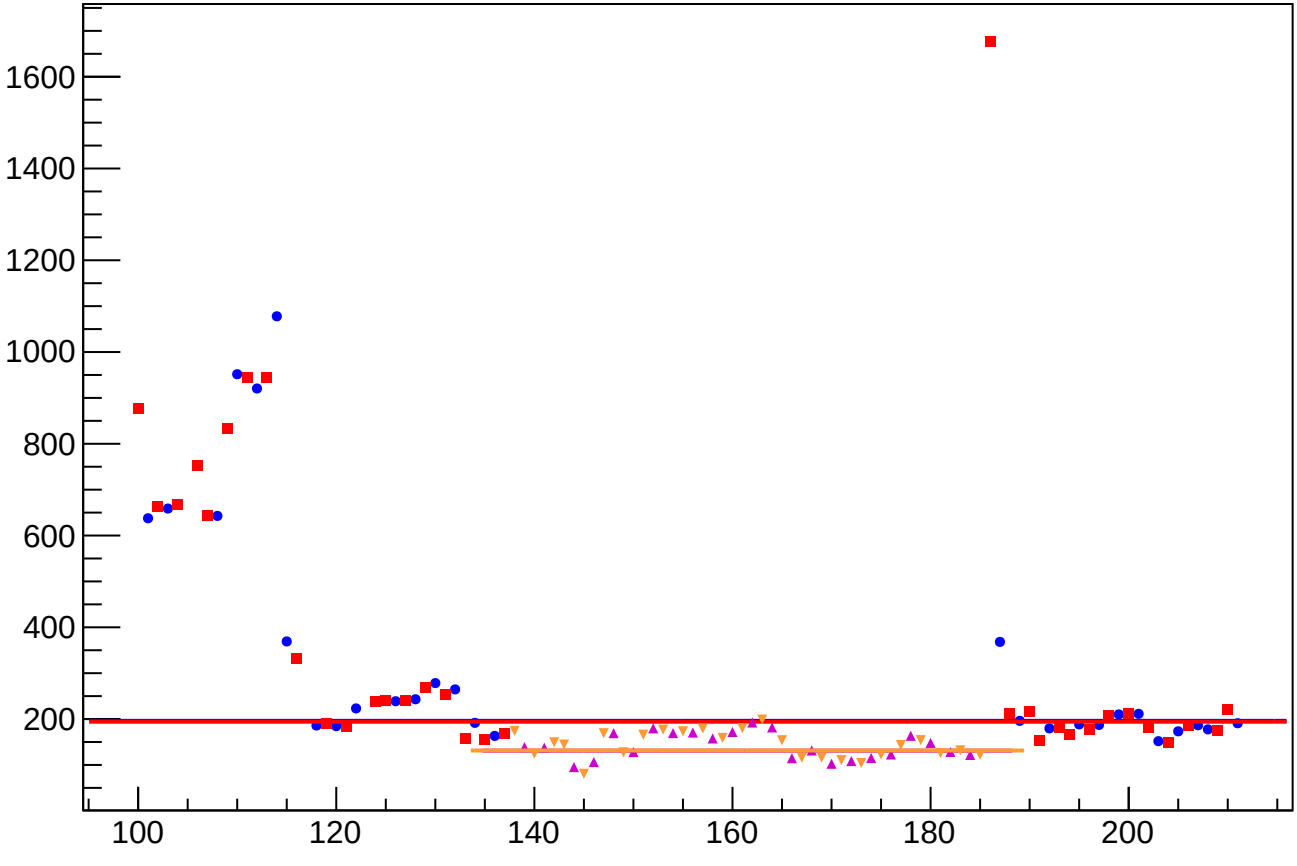
Right: 37.894+/-35.477 χ^2/NDF: 85.5/60

In: -16.010+/-26.795 χ^2/NDF:53.9/50

Out: -30.456+/-26.100 χ^2/NDF:107.6/57

All: -23.423+/-18.696 χ^2/NDF: 161.7/108

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 196.111+/-0.036 χ^2/NDF: 3544968.0/27

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.235+/-0.035 χ^2/NDF: 5009527.1/32

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

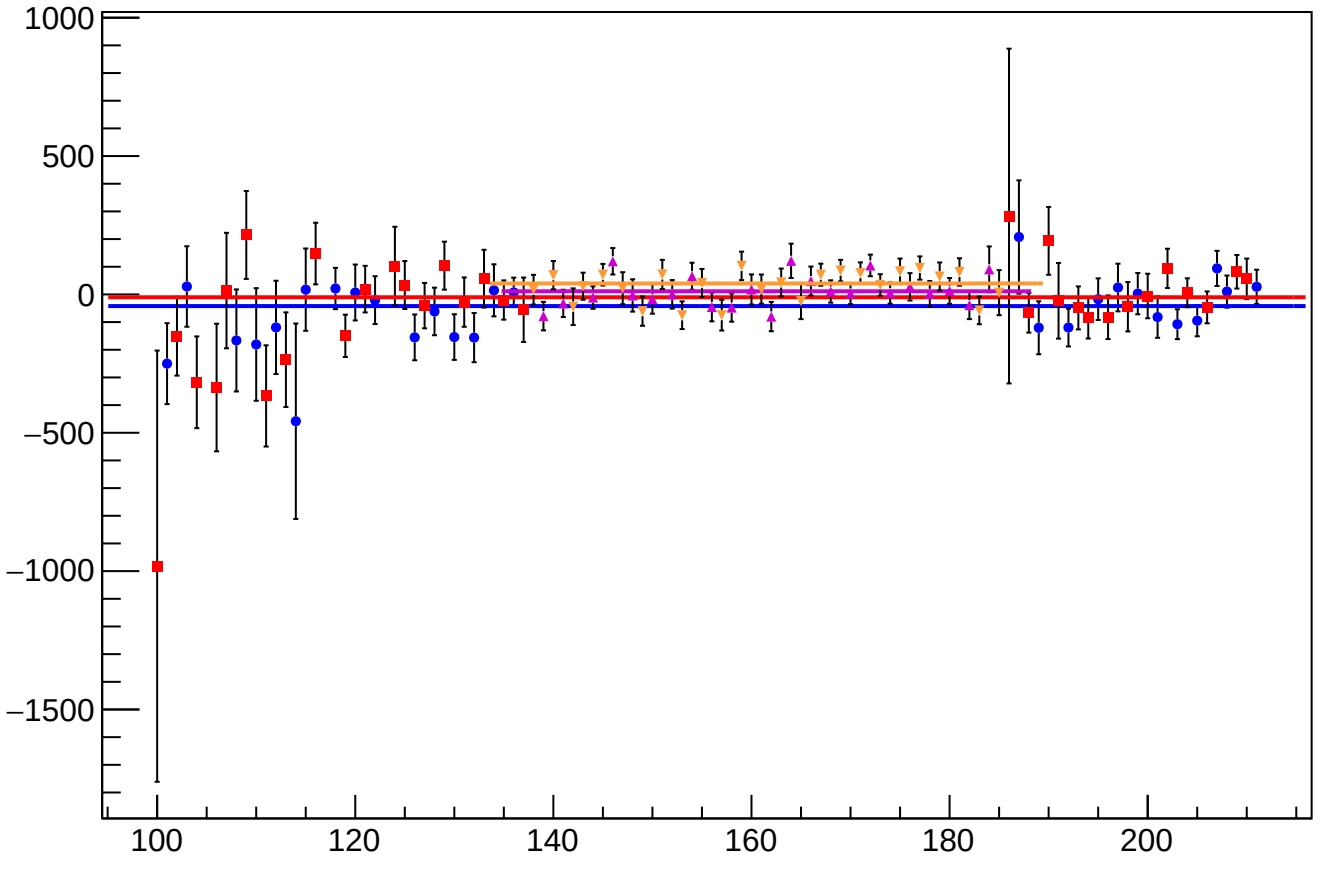
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 195.140+/-0.025 χ^2/NDF: 8555891.5/60

In: 148.982+/-0.019 χ^2/NDF:7363807.6/50

Out: 149.076+/-0.018 χ^2/NDF:9240761.3/57

All: 149.030+/-0.013 χ^2/NDF: 16604581.5/10



Right In: -42.153+/-15.529 χ^2/NDF: 26.4/27

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -10.300+/-15.797 χ^2/NDF: 36.0/32

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

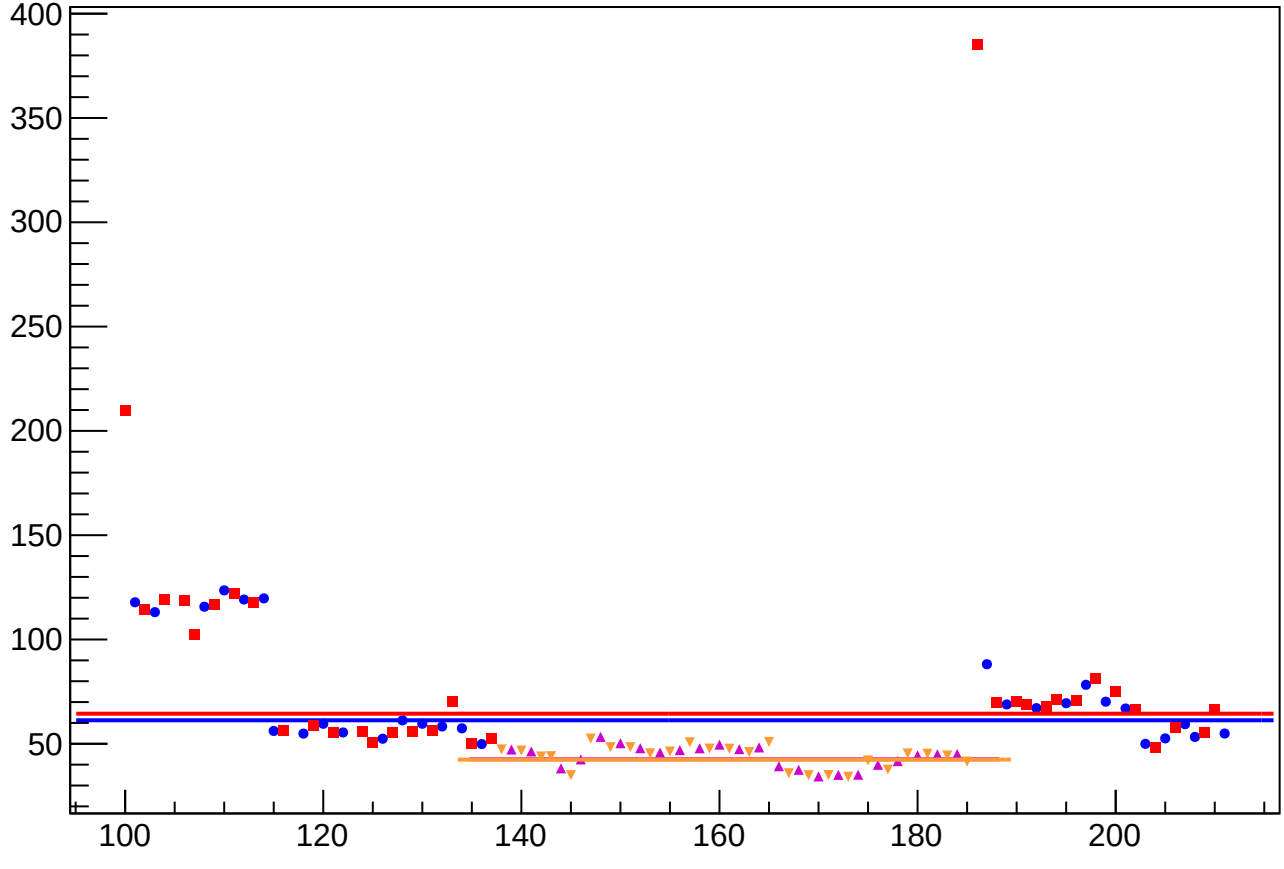
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -26.499+/-11.074 χ^2/NDF: 64.5/60

In: -4.535+/-8.453 χ^2/NDF:62.7/50

Out: 25.819+/-8.294 χ^2/NDF:72.8/57

All: 10.931+/-5.920 χ^2/NDF: 142.1/108



Right In: 61.272+/-0.011 χ^2/NDF: 1751584.0/27

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 64.429+/-0.011 χ^2/NDF: 2575424.2/32

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

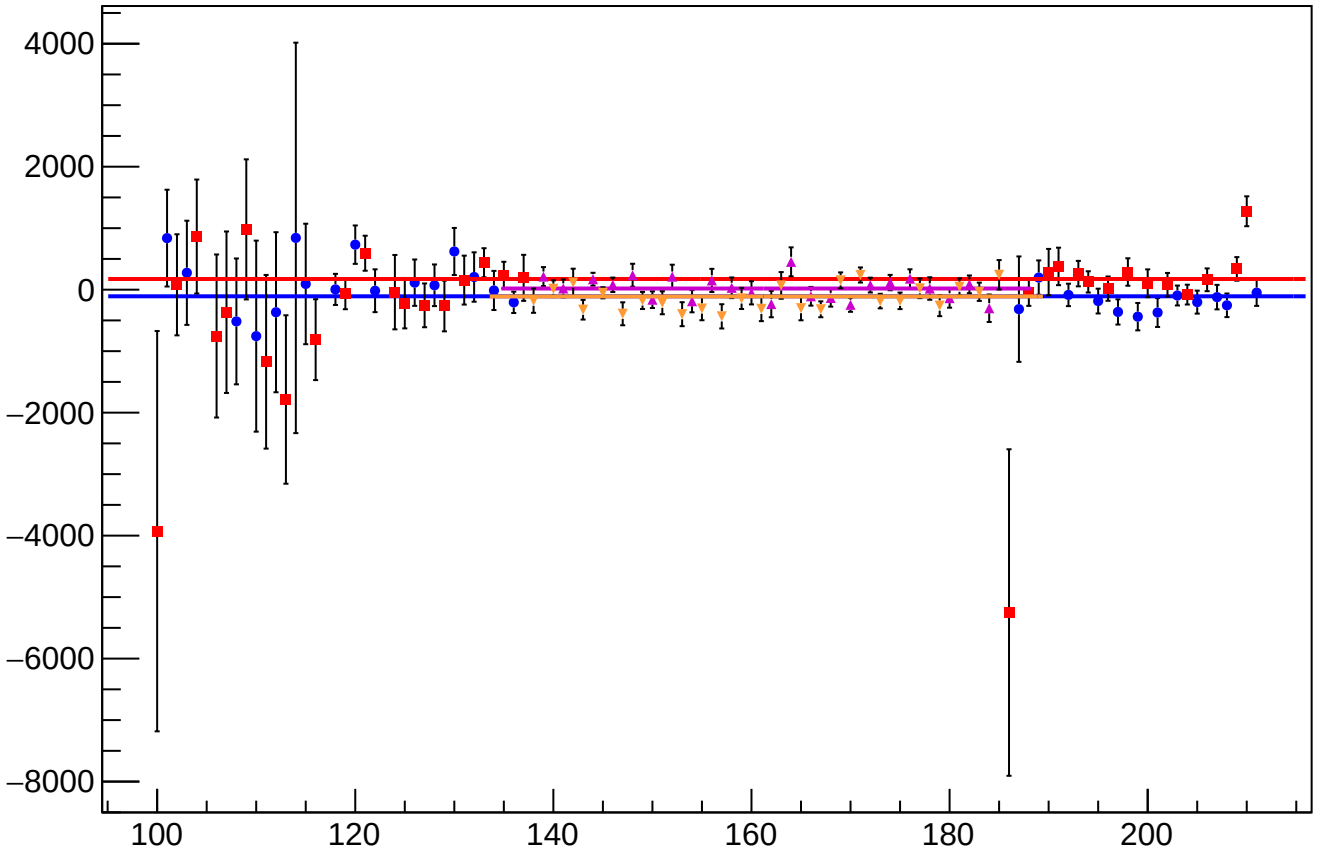
Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

Right: 62.823+/-0.008 χ^2/NDF: 4367642.4/60

In: 48.118+/-0.006 χ^2/NDF:4380653.6/50

Out: 48.491+/-0.006 χ^2/NDF:6084589.9/57

All: 48.308+/-0.004 χ^2/NDF: 10467230.8/108



Right In: -107.722+/-51.063 χ^2/NDF: 22.3/27

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 173.765+/-49.325 χ^2/NDF: 47.5/32

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

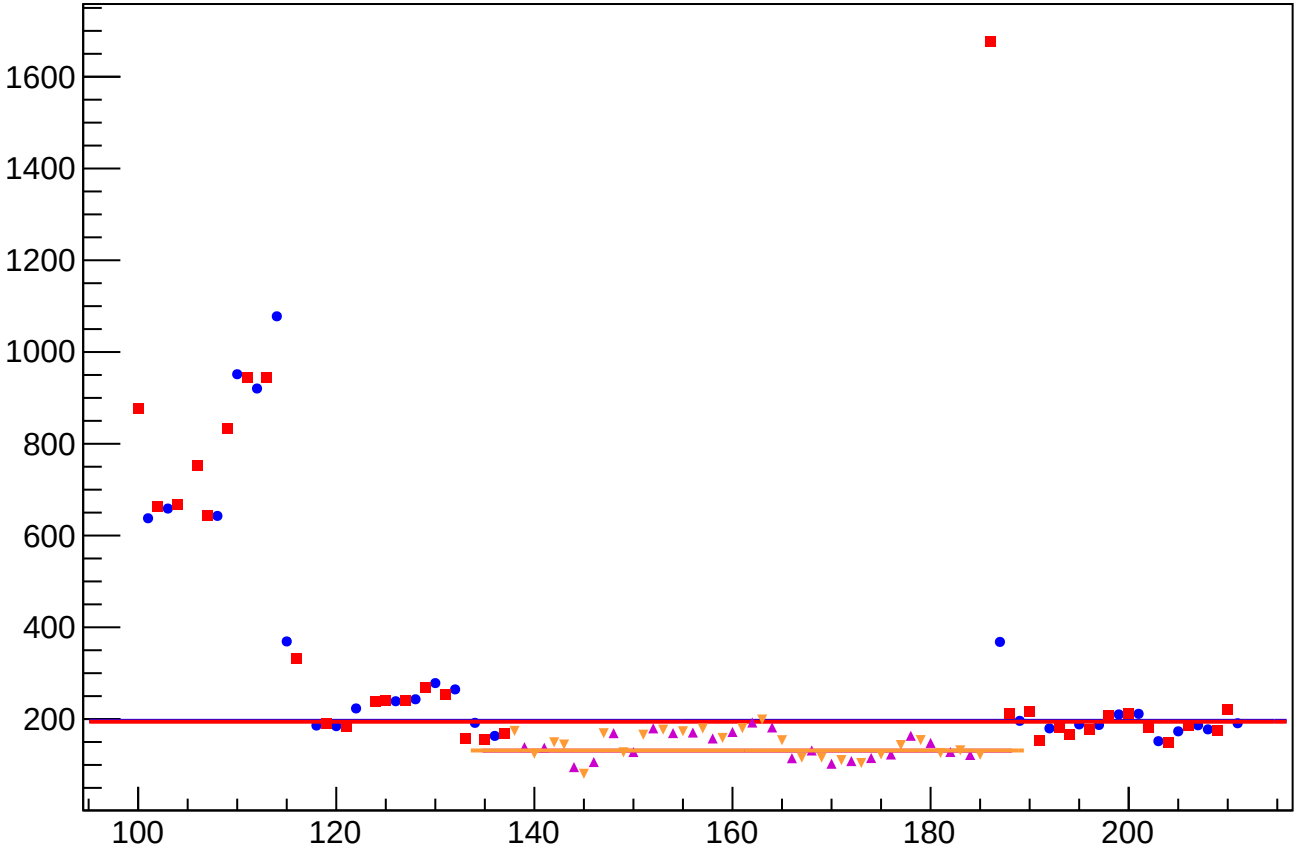
Right: 37.893+/-35.477 χ^2/NDF: 85.5/60

In: -16.011+/-26.795 χ^2/NDF:53.9/50

Out: -30.455+/-26.100 χ^2/NDF:107.6/57

All: -23.423+/-18.696 χ^2/NDF: 161.6/108

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 196.110+/-0.036 χ^2/NDF: 3544962.0/27

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.234+/-0.035 χ^2/NDF: 5009530.0/32

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

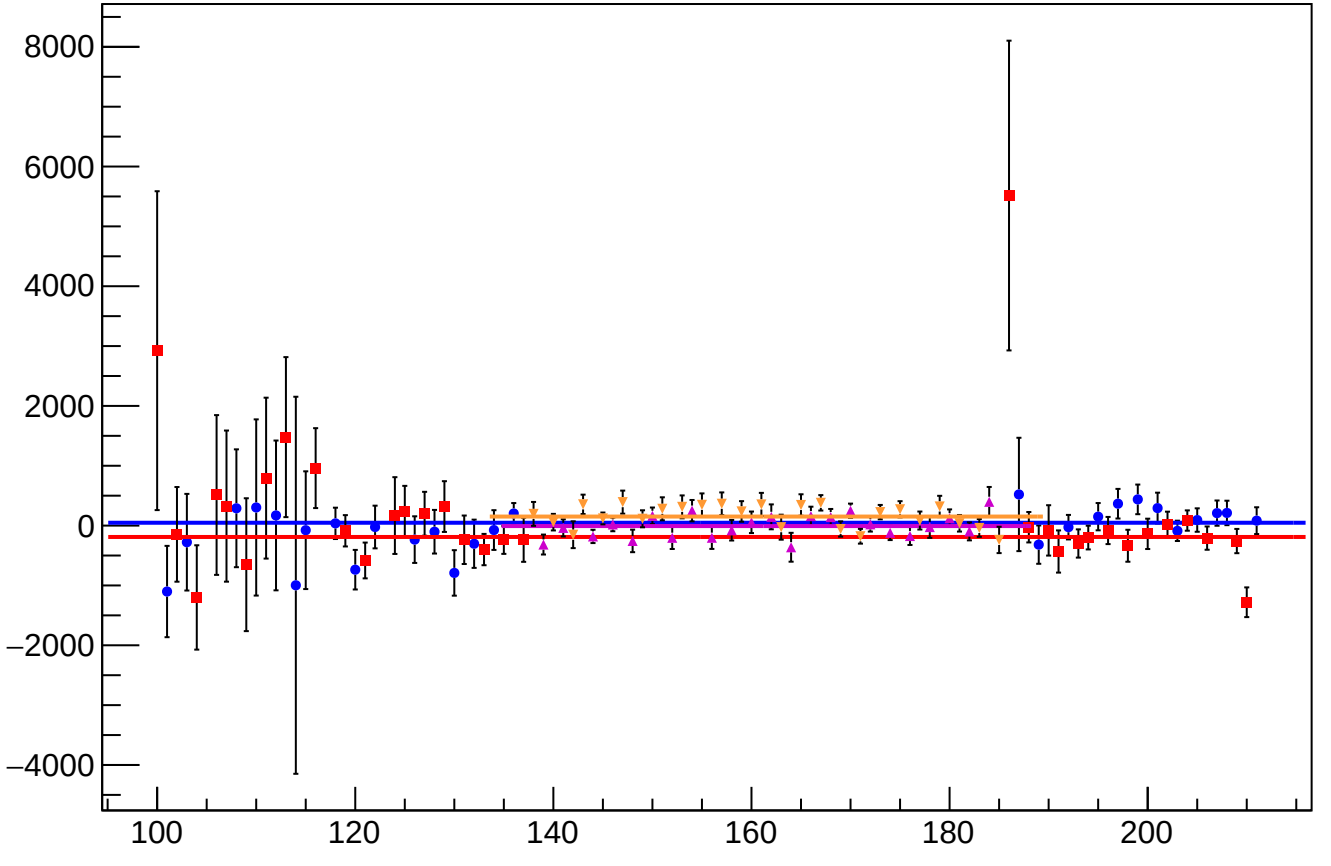
Right: 195.139+/-0.025 χ^2/NDF: 8555888.5/60

In: 148.982+/-0.019 χ^2/NDF:7363757.6/50

Out: 149.076+/-0.018 χ^2/NDF:9240699.1/57

All: 149.030+/-0.013 χ^2/NDF: 16604469.3/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 47.681+/-54.550 χ^2/NDF: 24.4/27

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -189.960+/-53.675 χ^2/NDF: 44.5/32

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

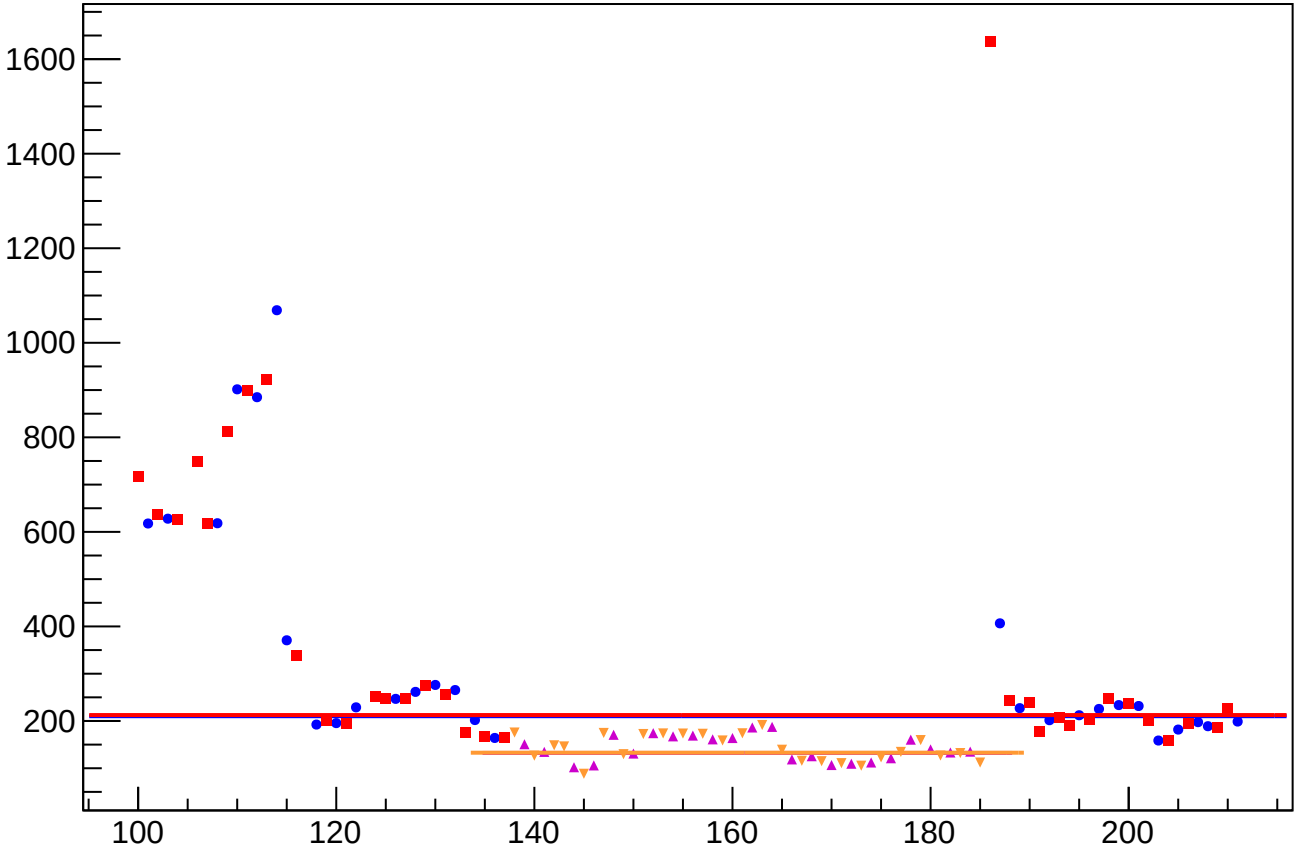
Right: -73.061+/-38.260 χ^2/NDF: 78.6/60

In: 6.048+/-27.357 χ^2/NDF:54.7/50

Out: 65.997+/-26.813 χ^2/NDF:107.9/57

All: 36.625+/-19.149 χ^2/NDF: 165.0/108

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 210.118+/-0.039 χ^2/NDF: 3383445.2/27

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 212.524+/-0.038 χ^2/NDF: 4653330.8/32

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

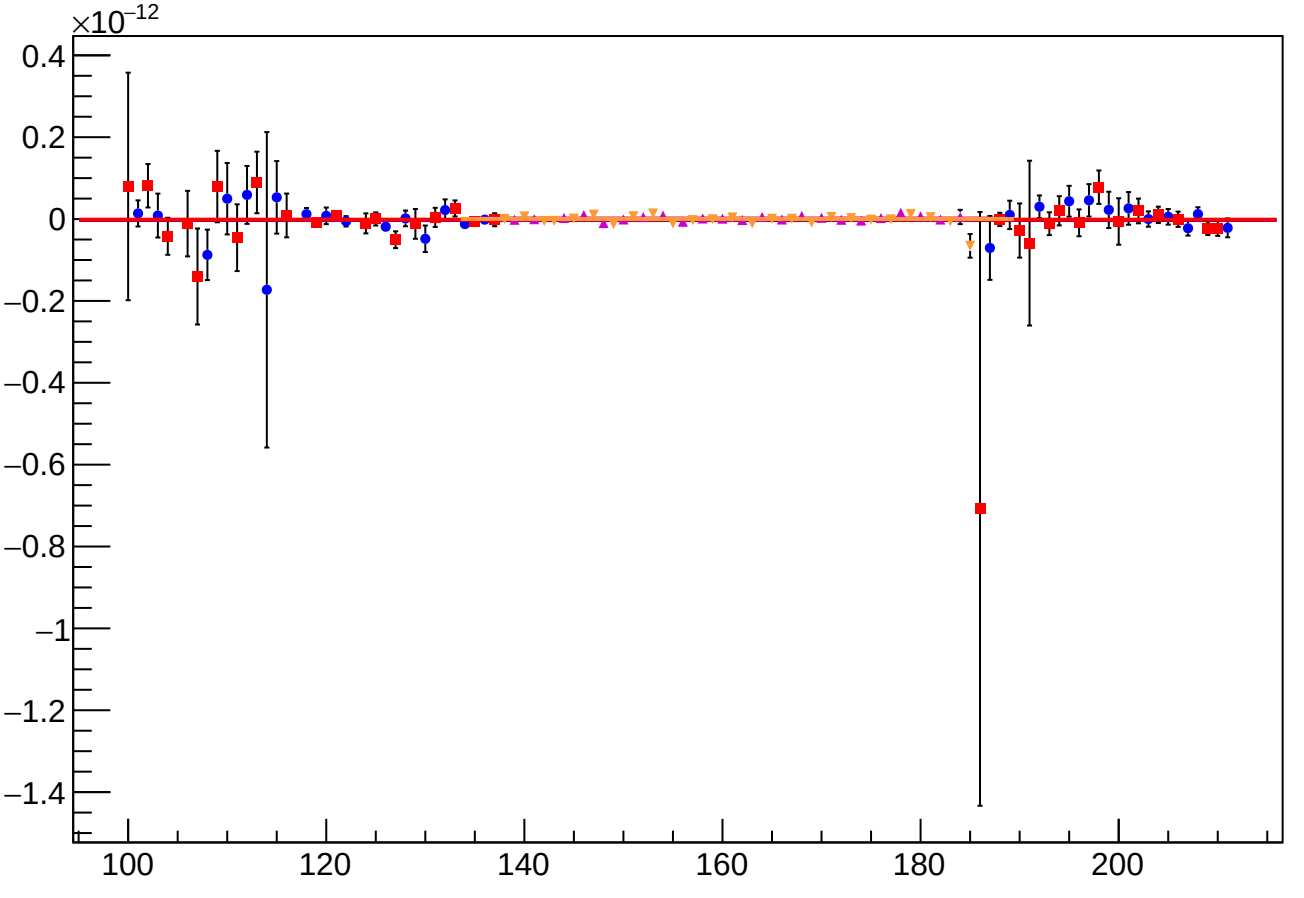
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 211.341+/-0.027 χ^2/NDF: 8038753.3/60

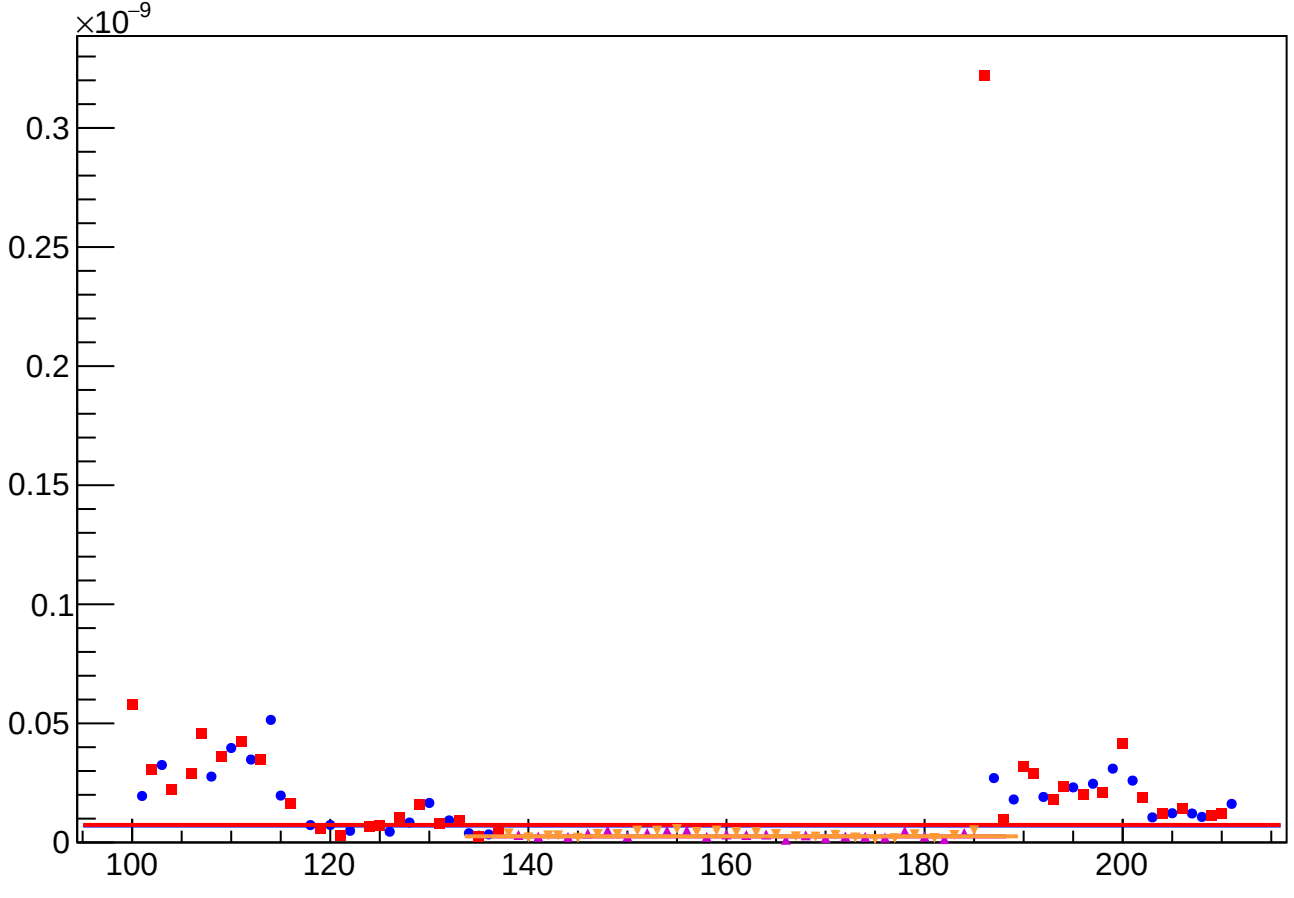
In: 151.903+/-0.019 χ^2/NDF:7704308.2/50

Out: 152.751+/-0.019 χ^2/NDF:9550561.7/57

All: 152.336+/-0.014 χ^2/NDF: 17255851.1/10


asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: -0.000+/-0.000 χ²/NDF: 20.6/27
Left Out: 0.000+/-0.000 χ²/NDF:32.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.2/32
Left In: 0.000+/-0.000 χ²/NDF:14.9/22
Left: 0.000+/-0.000 χ²/NDF: 47.6/47
Right: -0.000+/-0.000 χ²/NDF: 47.9/60
In: 0.000+/-0.000 χ²/NDF:36.6/50
Out: 0.000+/-0.000 χ²/NDF:59.7/57
All: 0.000+/-0.000 χ²/NDF: 96.7/108

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6451182.2/27

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7503568.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

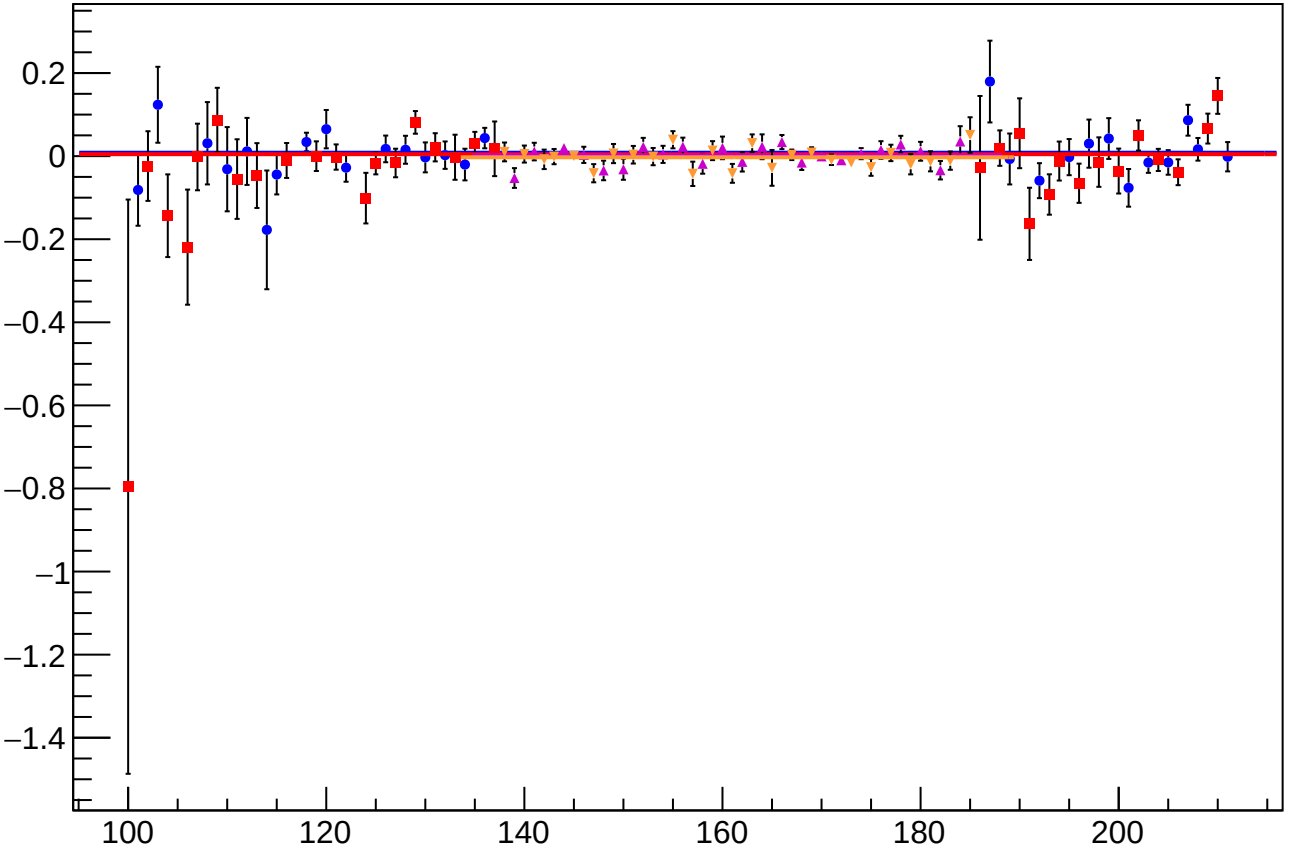
Right: 0.000+/-0.000 χ^2/NDF: 13960712.3/60

In: 0.000+/-0.000 χ^2/NDF:11514861.6/50

Out: 0.000+/-0.000 χ^2/NDF:13237535.0/57

All: 0.000+/-0.000 χ^2/NDF: 24752504.2/108

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

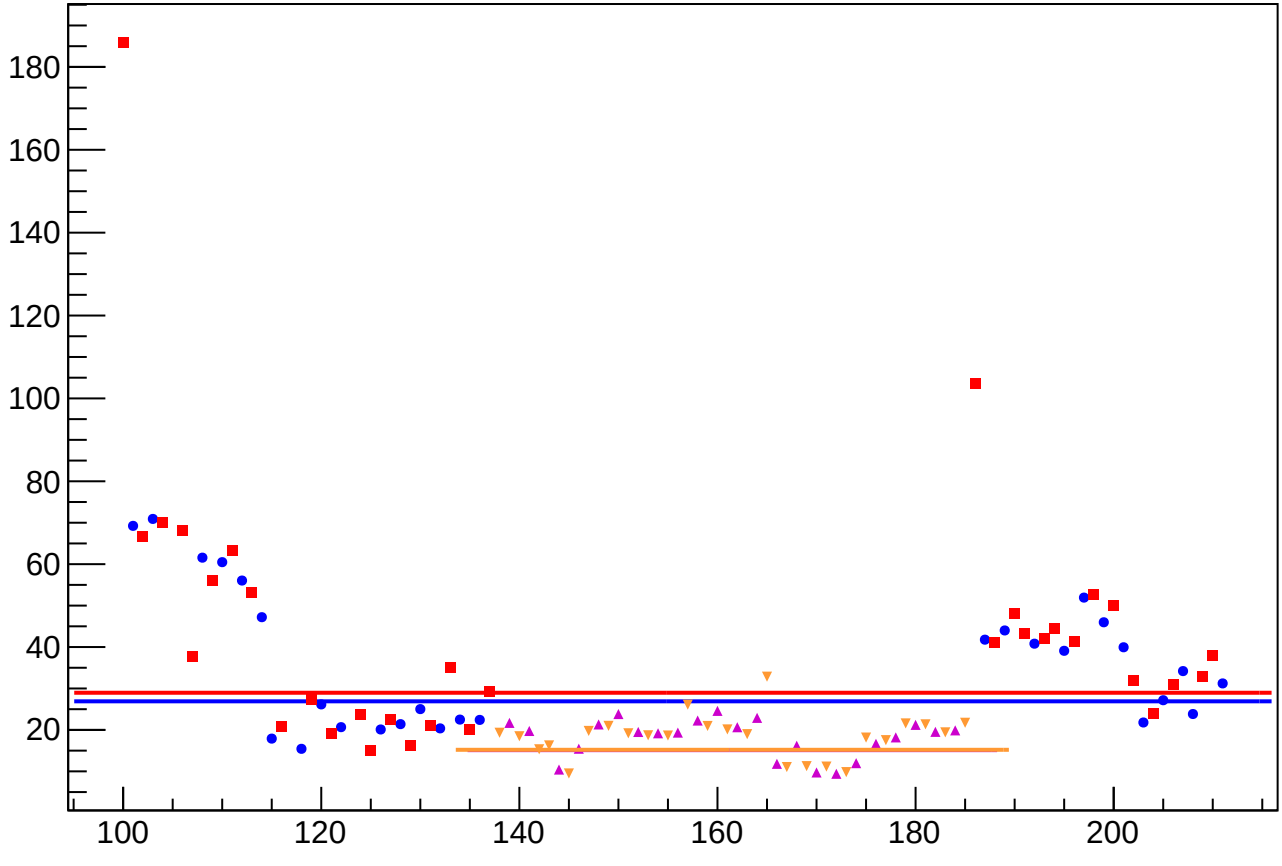
Right: 0.007+/-0.005 χ^2/NDF: 78.6/60

In: 0.004+/-0.003 χ^2/NDF:56.0/50

Out: -0.001+/-0.003 χ^2/NDF:73.4/57

All: 0.001+/-0.002 χ^2/NDF: 130.4/108

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 4331937.2/27

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.969+/-0.005 χ^2/NDF: 5434636.7/32

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

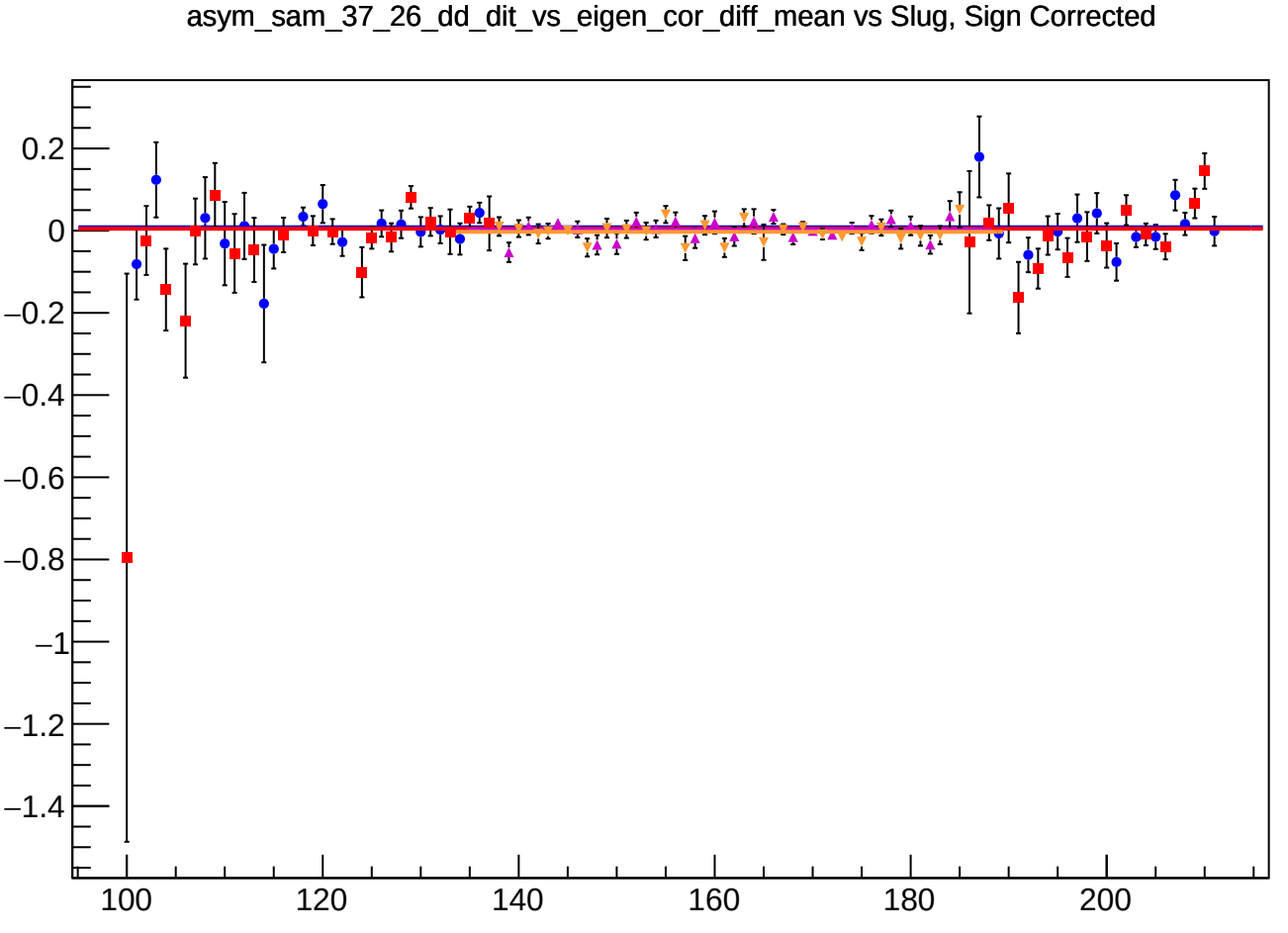
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.893+/-0.004 χ^2/NDF: 9843125.0/60

In: 17.639+/-0.002 χ^2/NDF:11796605.3/50

Out: 17.829+/-0.002 χ^2/NDF:14146038.8/57

All: 17.735+/-0.002 χ^2/NDF: 25945825.2/108



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

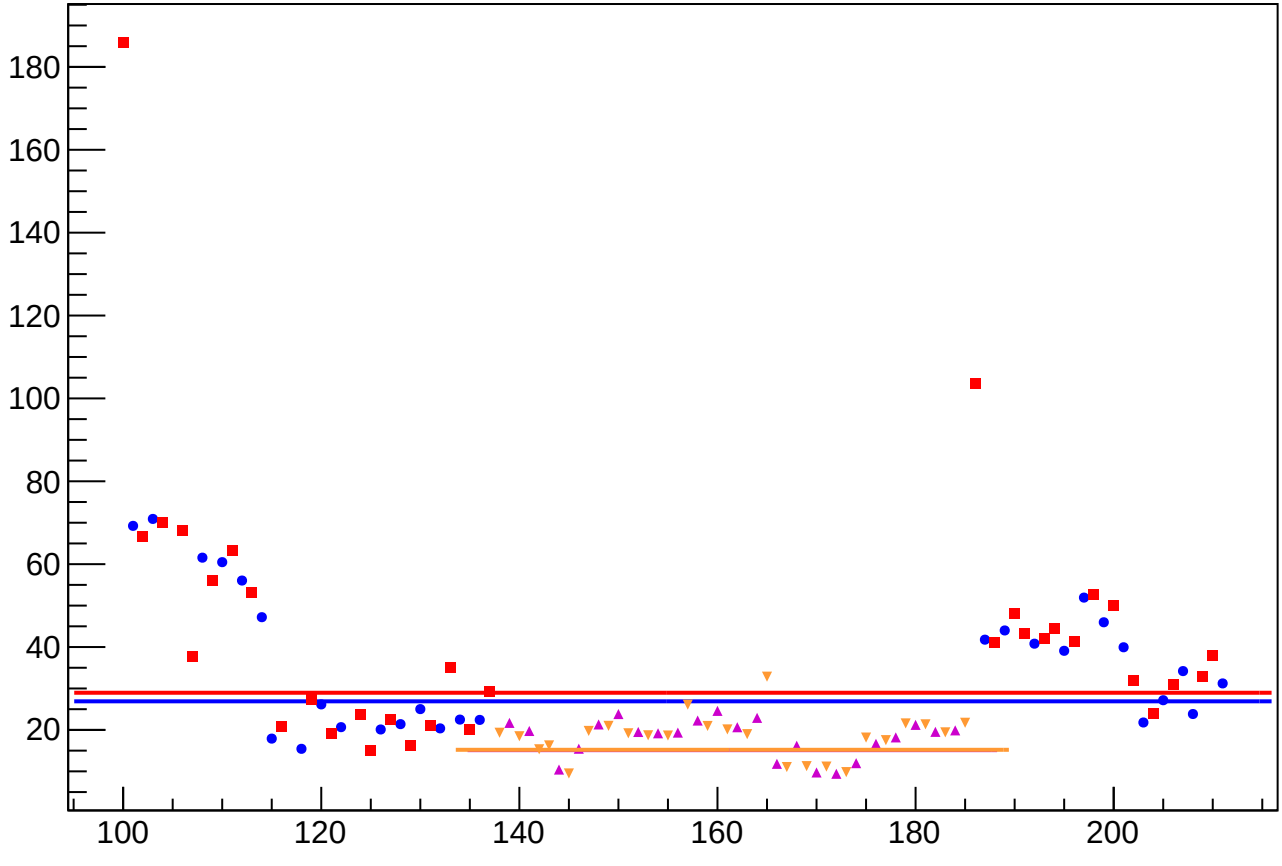
Right: 0.007+/-0.005 χ^2/NDF: 78.6/60

In: 0.004+/-0.003 χ^2/NDF:56.0/50

Out: -0.001+/-0.003 χ^2/NDF:73.4/57

All: 0.001+/-0.002 χ^2/NDF: 130.4/108

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 4331937.2/27

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.969+/-0.005 χ^2/NDF: 5434636.7/32

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

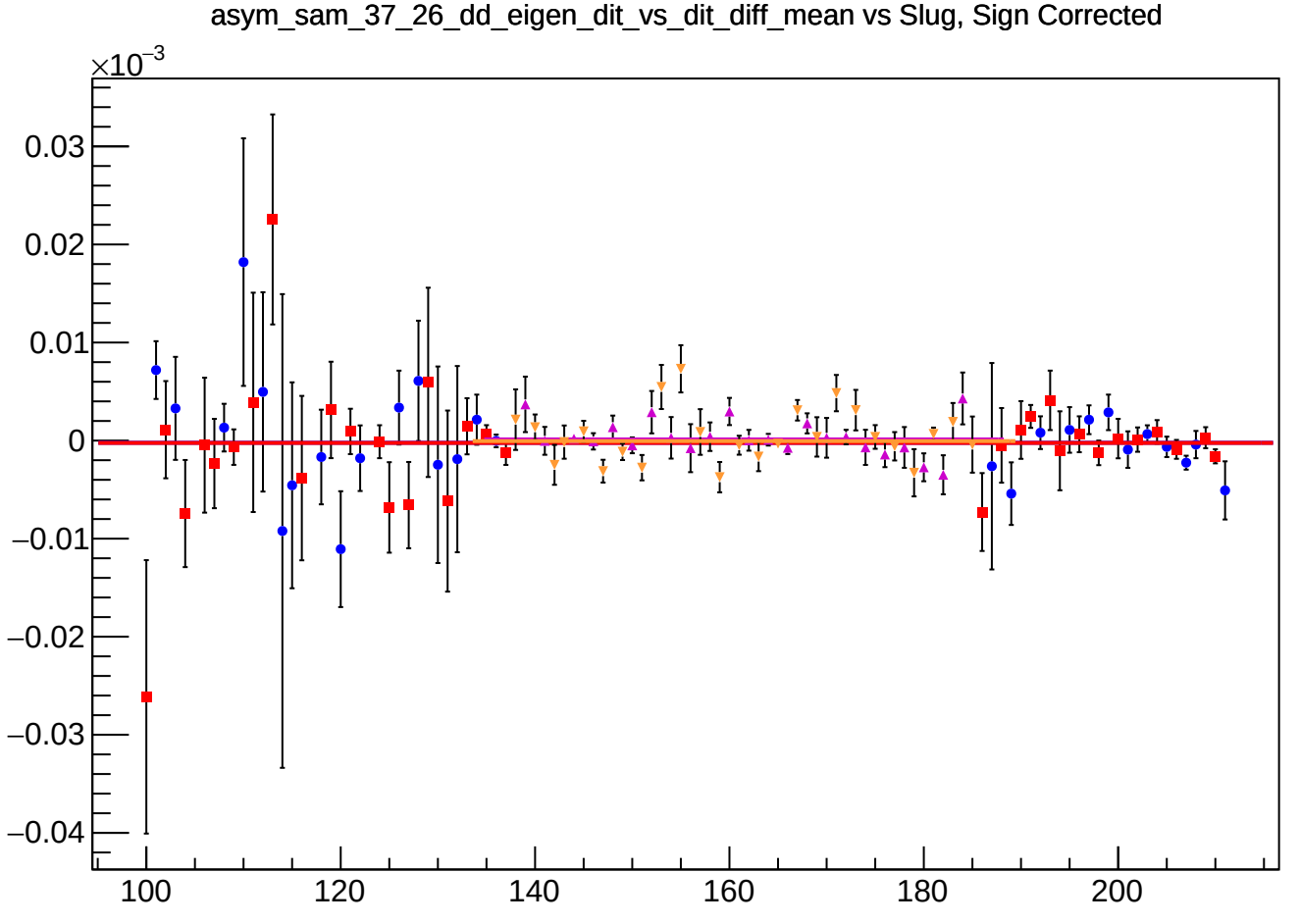
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.893+/-0.004 χ^2/NDF: 9843125.0/60

In: 17.639+/-0.002 χ^2/NDF:11796605.3/50

Out: 17.829+/-0.002 χ^2/NDF:14146038.8/57

All: 17.735+/-0.002 χ^2/NDF: 25945825.2/108



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/32

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

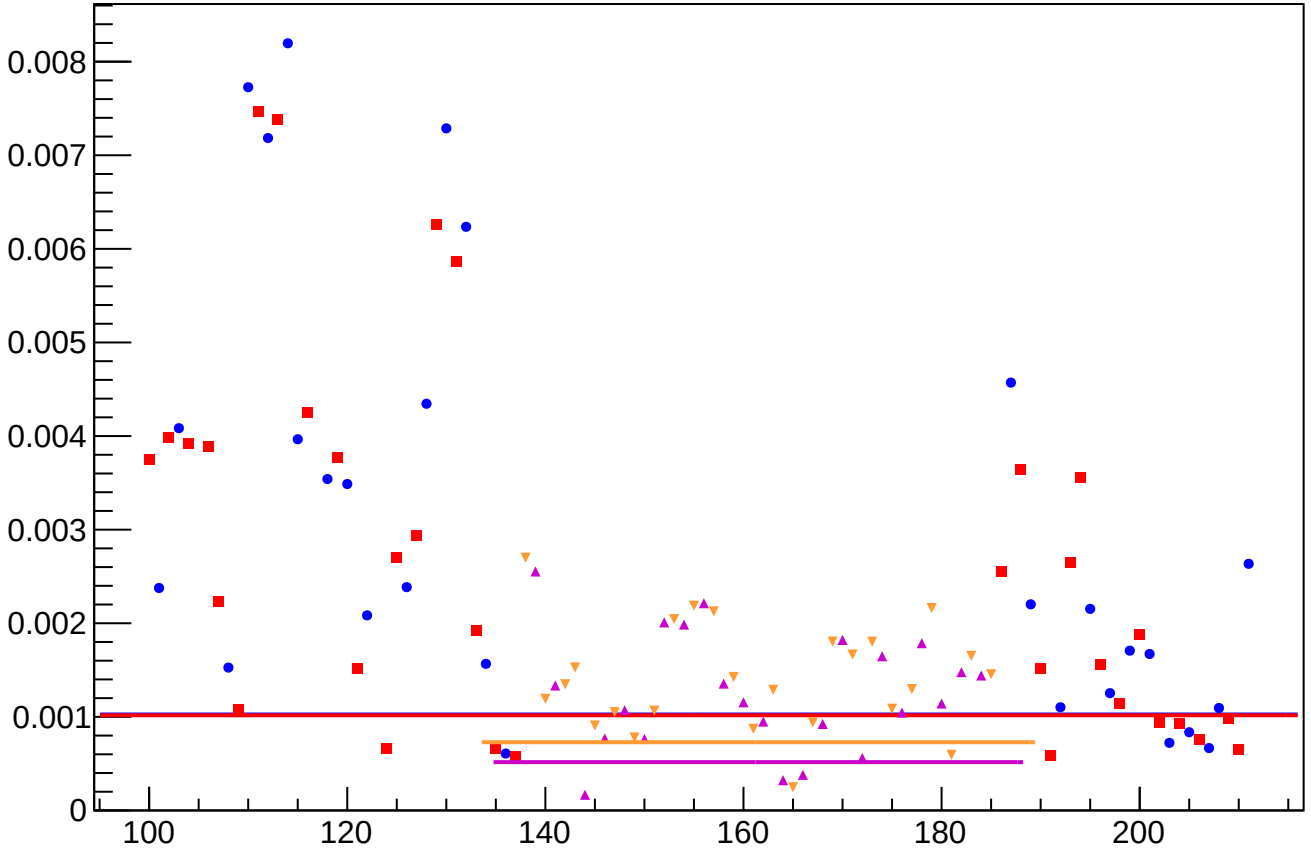
Right: -0.000+/-0.000 χ^2/NDF: 72.4/60

In: 0.000+/-0.000 χ^2/NDF:63.9/50

Out: -0.000+/-0.000 χ^2/NDF:98.0/57

All: -0.000+/-0.000 χ^2/NDF: 162.3/108

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10003937.8/27

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11061748.7/32

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

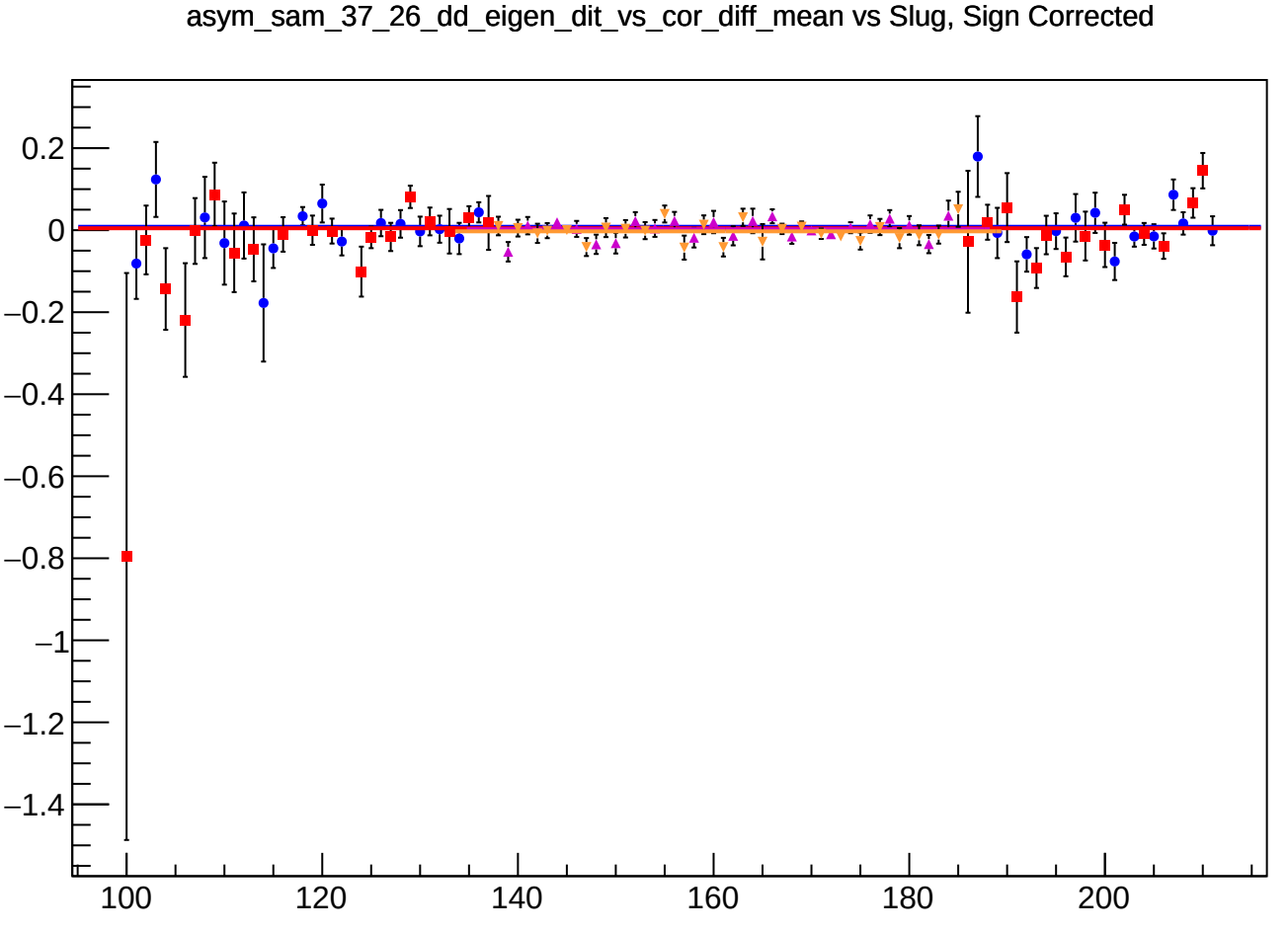
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 21066330.2/60

In: 0.001+/-0.000 χ^2/NDF:28888501.3/50

Out: 0.001+/-0.000 χ^2/NDF:25392014.6/57

All: 0.001+/-0.000 χ^2/NDF: 55601848.1/108



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

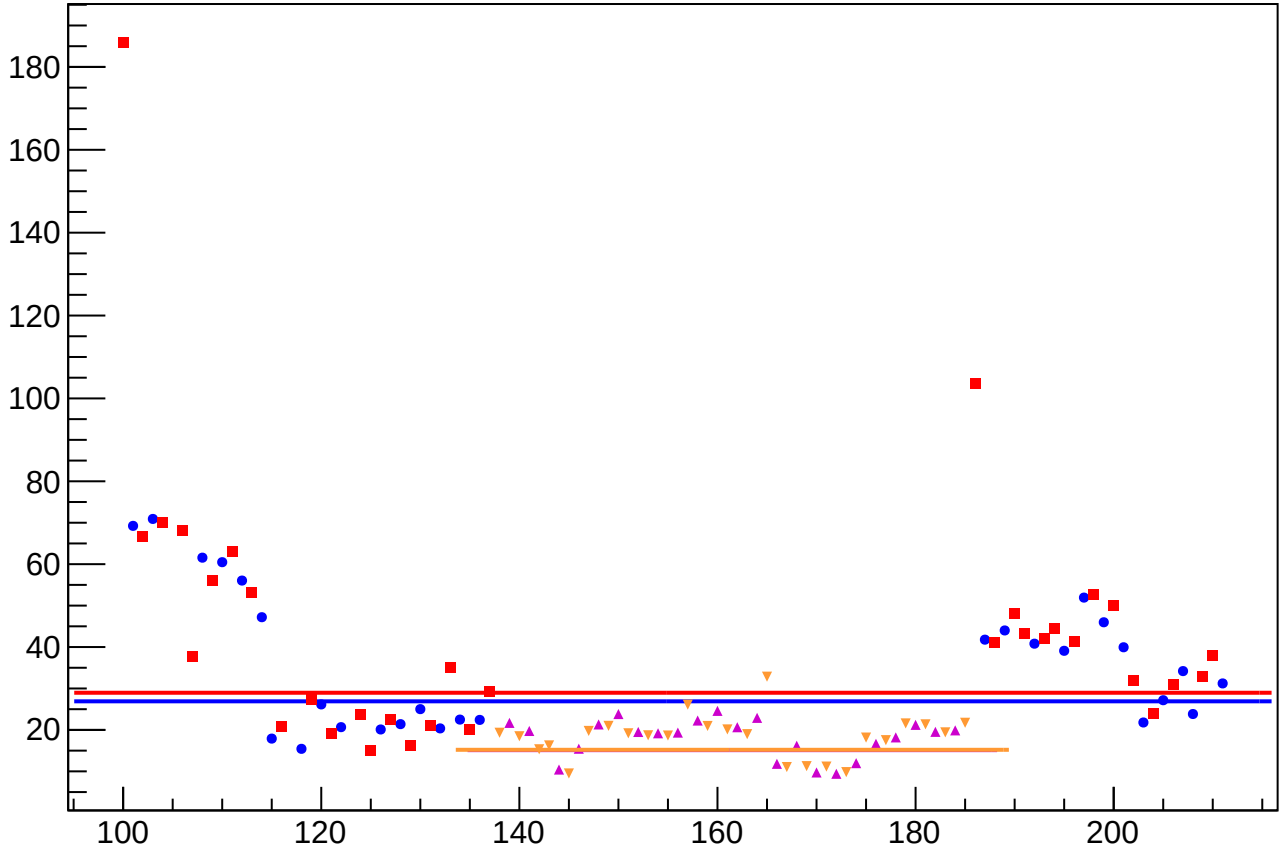
Right: 0.007+/-0.005 χ^2/NDF: 78.6/60

In: 0.004+/-0.003 χ^2/NDF:56.0/50

Out: -0.001+/-0.003 χ^2/NDF:73.4/57

All: 0.001+/-0.002 χ^2/NDF: 130.4/108

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 4332236.0/27

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.969+/-0.005 χ^2/NDF: 5434851.5/32

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

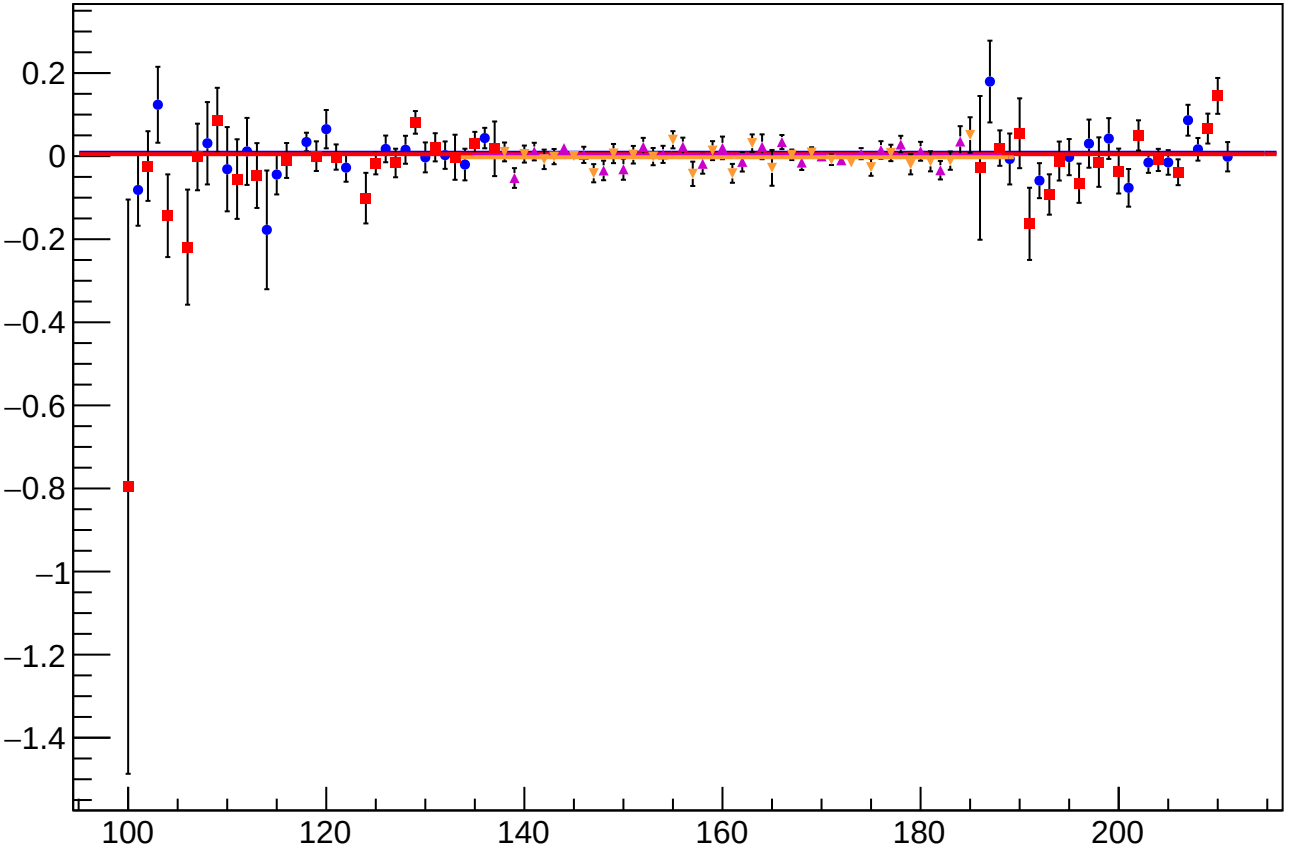
Right: 27.892+/-0.004 χ^2/NDF: 9843684.1/60

In: 17.639+/-0.002 χ^2/NDF:11796455.5/50

Out: 17.829+/-0.002 χ^2/NDF:14146176.4/57

All: 17.735+/-0.002 χ^2/NDF: 25945813.3/108

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.007 χ^2/NDF: 28.6/27

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 49.9/32

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

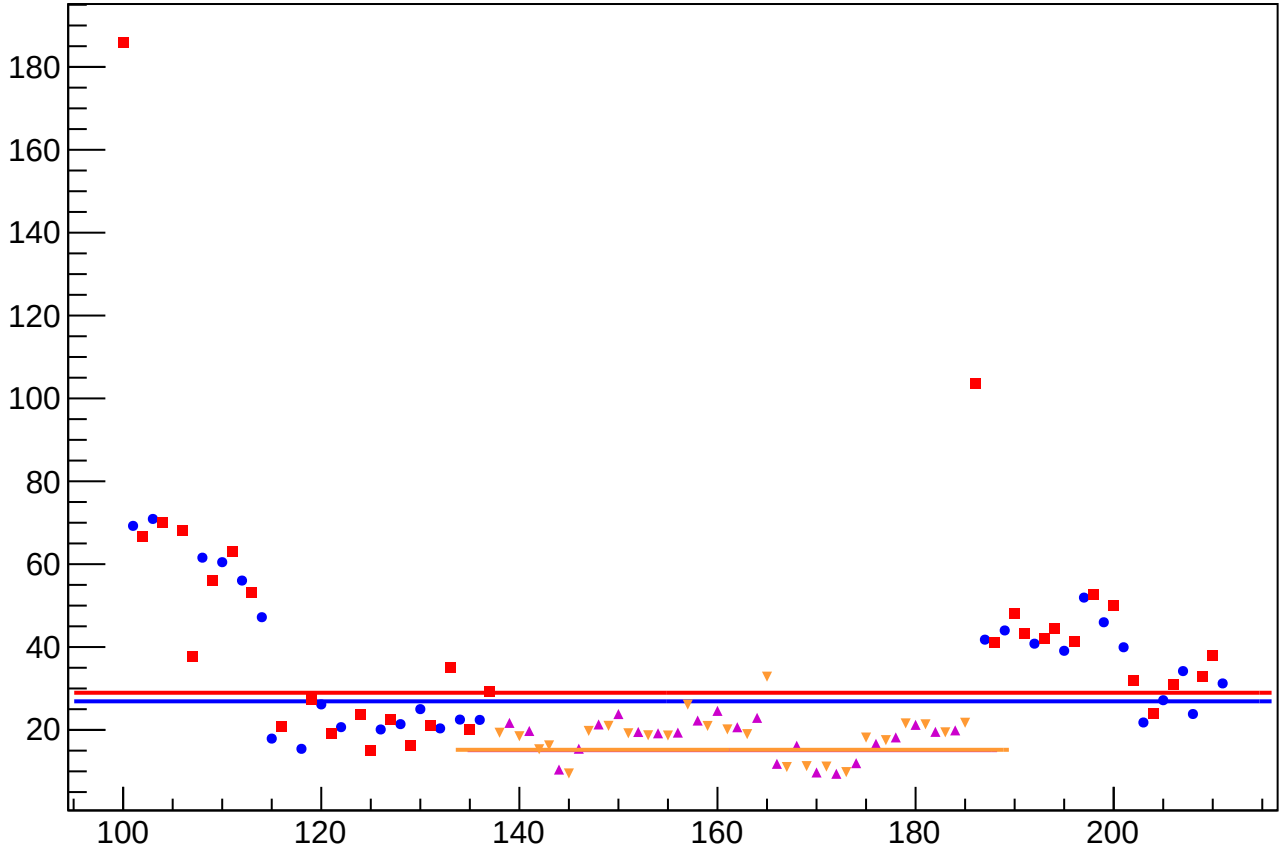
Right: 0.007+/-0.005 χ^2/NDF: 78.6/60

In: 0.004+/-0.003 χ^2/NDF:56.0/50

Out: -0.001+/-0.003 χ^2/NDF:73.4/57

All: 0.001+/-0.002 χ^2/NDF: 130.4/108

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.899+/-0.005 χ^2/NDF: 4332236.0/27

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.969+/-0.005 χ^2/NDF: 5434851.5/32

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

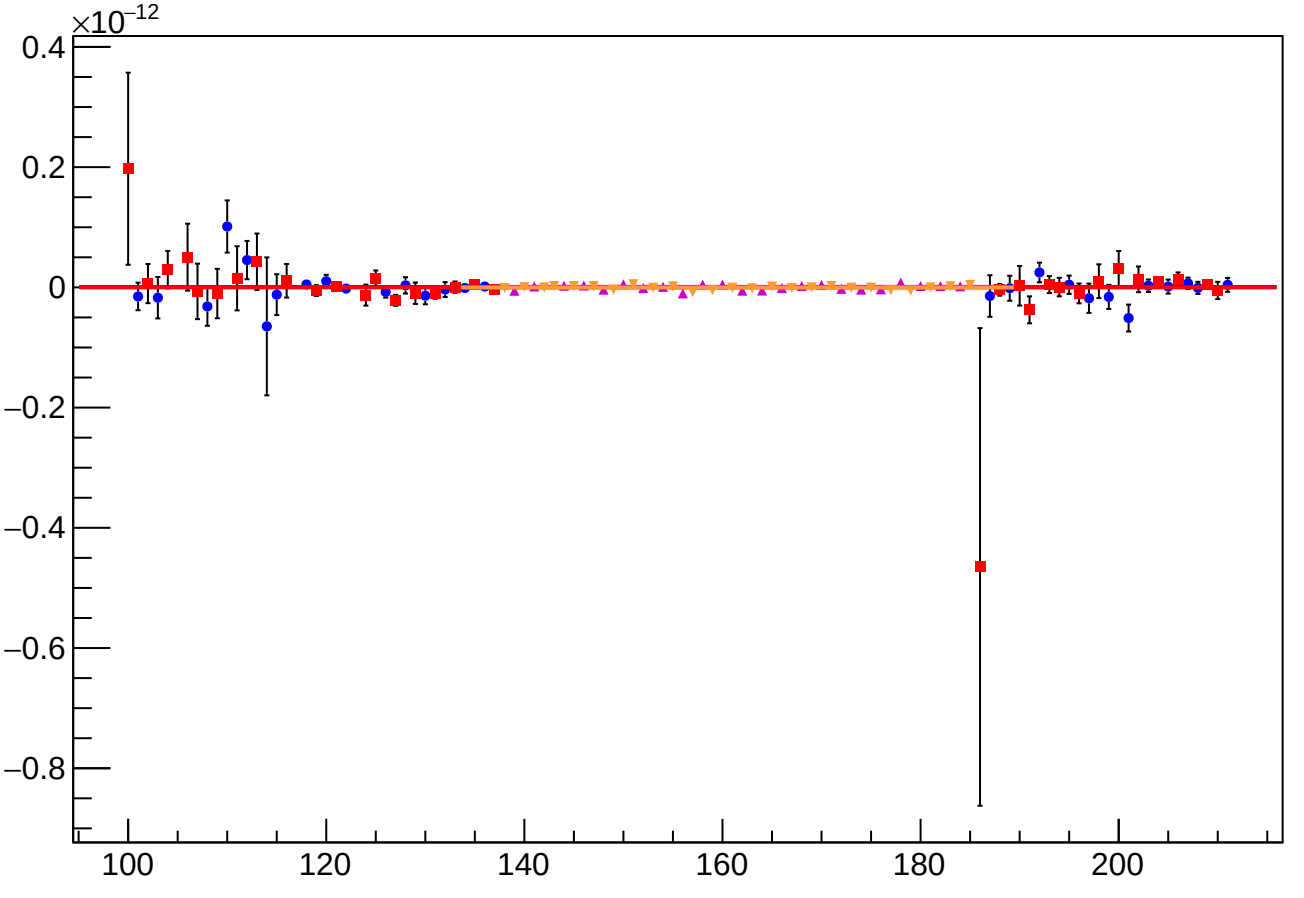
Right: 27.892+/-0.004 χ^2/NDF: 9843684.1/60

In: 17.639+/-0.002 χ^2/NDF:11796455.5/50

Out: 17.829+/-0.002 χ^2/NDF:14146176.4/57

All: 17.735+/-0.002 χ^2/NDF: 25945813.3/108

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/27

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/32

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

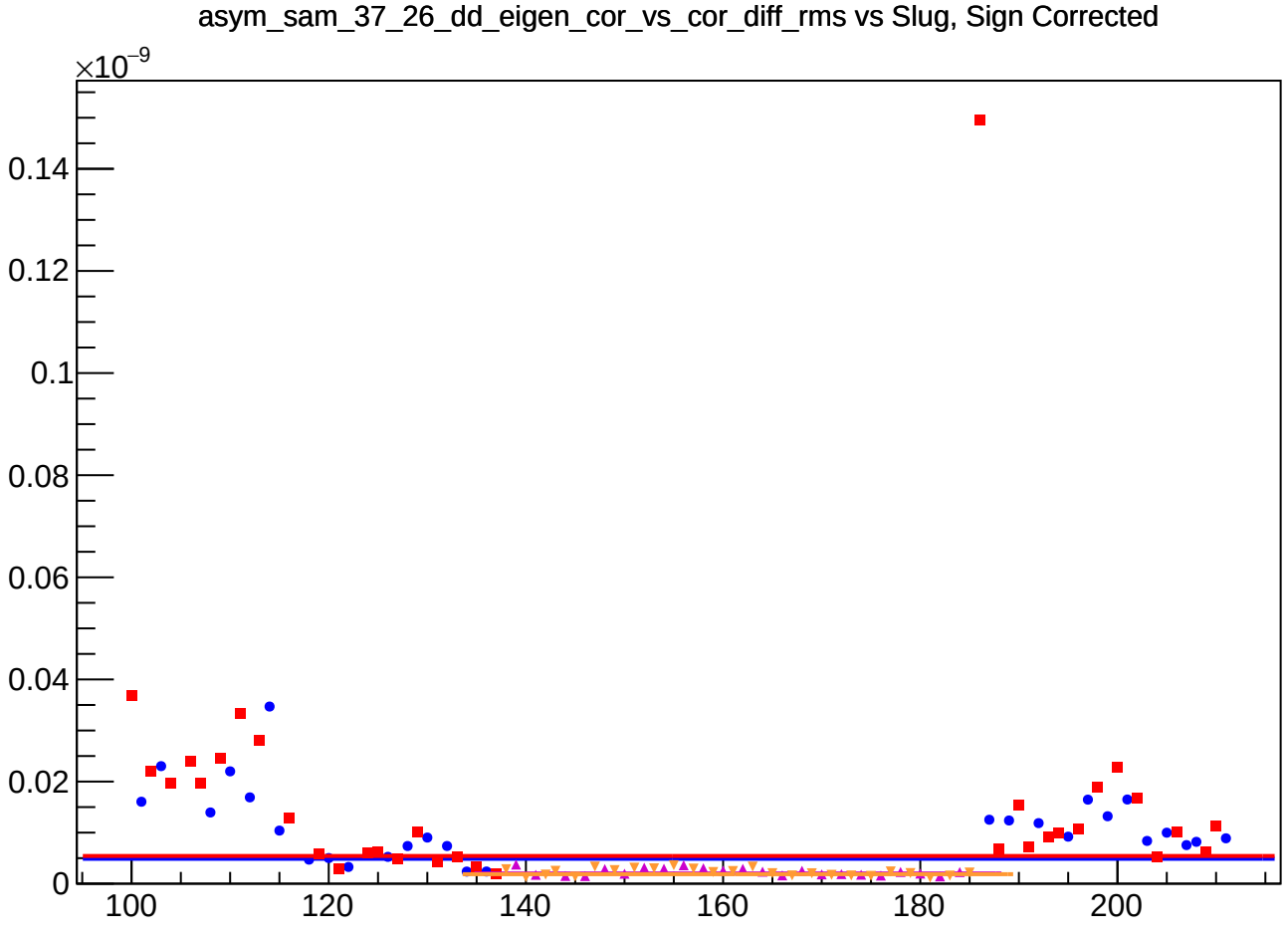
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/60

In: 0.000+/-0.000 χ^2/NDF:62.0/50

Out: -0.000+/-0.000 χ^2/NDF:47.9/57

All: 0.000+/-0.000 χ^2/NDF: 111.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 7765453.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8495011.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

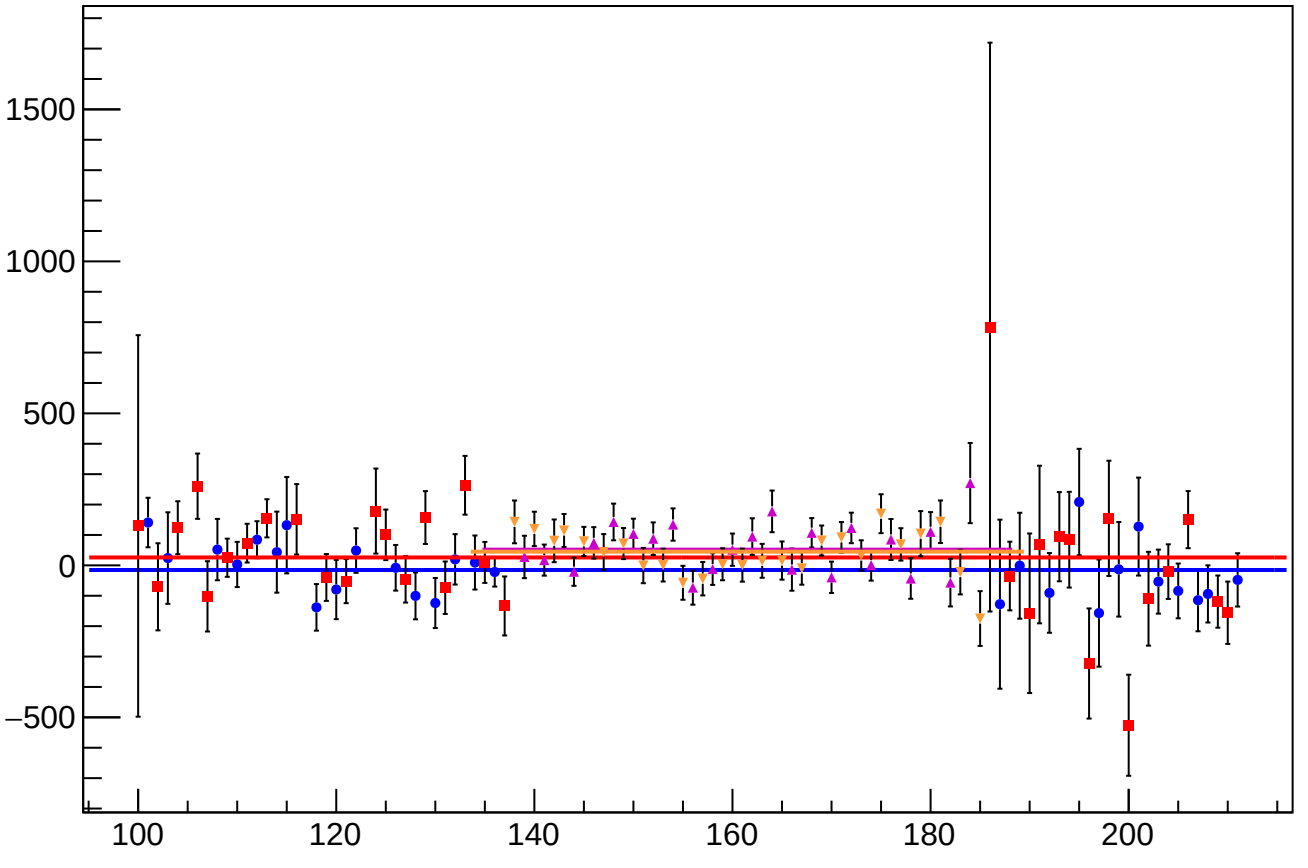
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16344194.5/60

In: 0.000+/-0.000 χ^2/NDF:14201136.9/50

Out: 0.000+/-0.000 χ^2/NDF:17228963.3/57

All: 0.000+/-0.000 χ^2/NDF: 31523966.1/108



Right In: -15.256+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 25.998+/-17.155 χ^2/NDF: 56.6/32

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

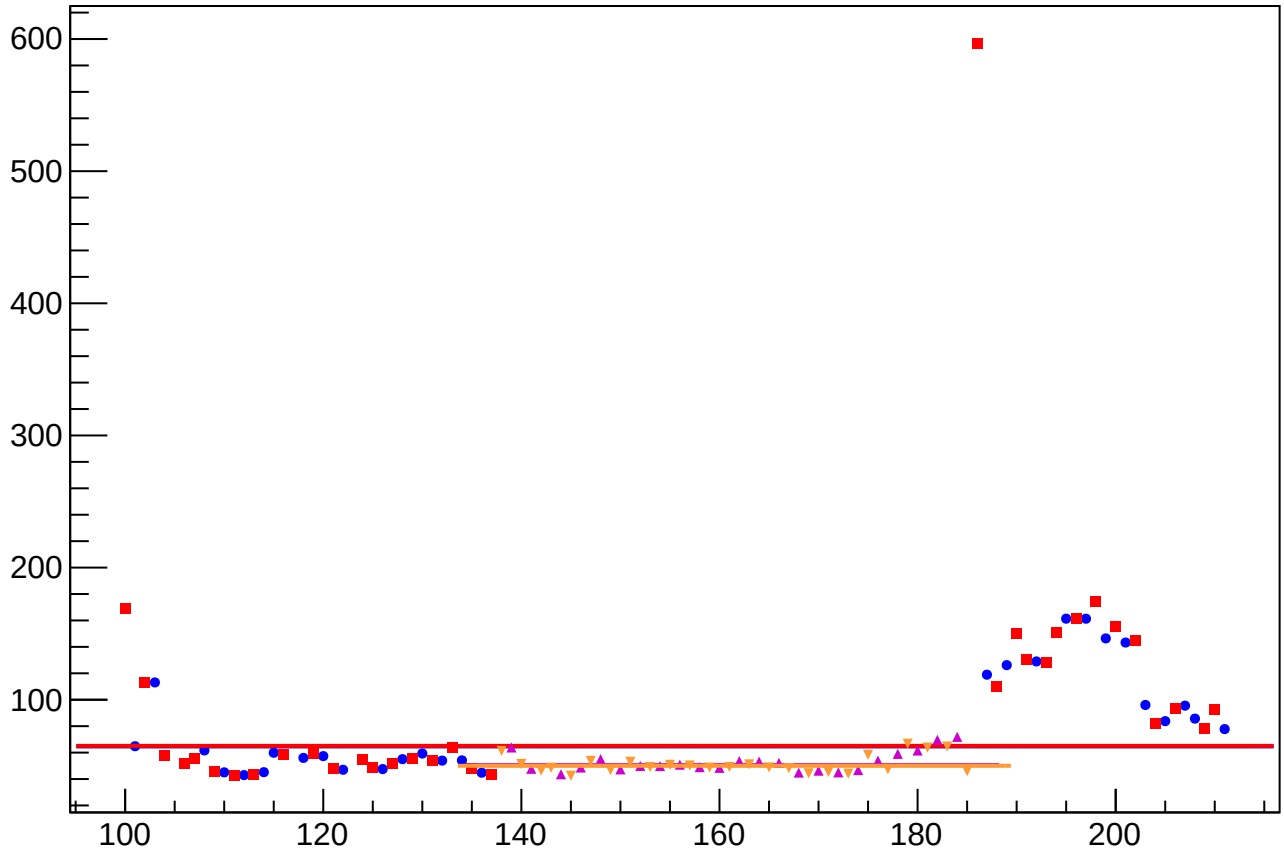
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 5.665+/-12.217 χ^2/NDF: 80.5/60

In: 30.239+/-9.839 χ^2/NDF:67.0/50

Out: 39.176+/-9.549 χ^2/NDF:88.8/57

All: 34.841+/-6.852 χ^2/NDF: 156.2/108



Right In: 64.667+/-0.012 χ^2/NDF: 4990889.8/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 65.070+/-0.012 χ^2/NDF: 6652889.6/32

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

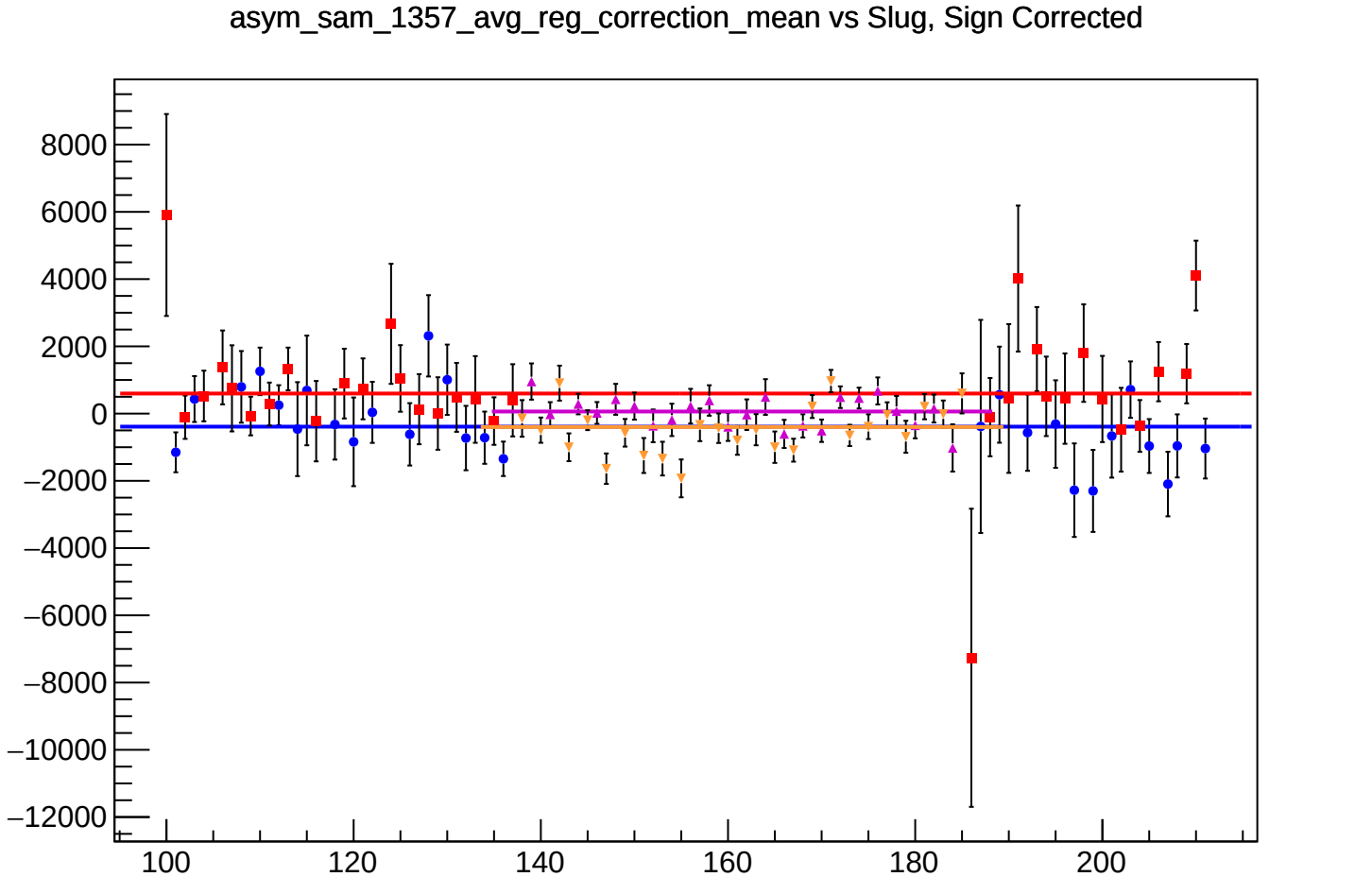
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 64.872+/-0.009 χ^2/NDF: 11644324.4/60

In: 55.037+/-0.007 χ^2/NDF:6394550.8/50

Out: 54.684+/-0.007 χ^2/NDF:8224227.1/57

All: 54.855+/-0.005 χ^2/NDF: 14620103.9/108



Right In: -388.461+/-171.859 χ^2/NDF: 33.4/27

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 597.040+/-171.316 χ^2/NDF: 34.4/32

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

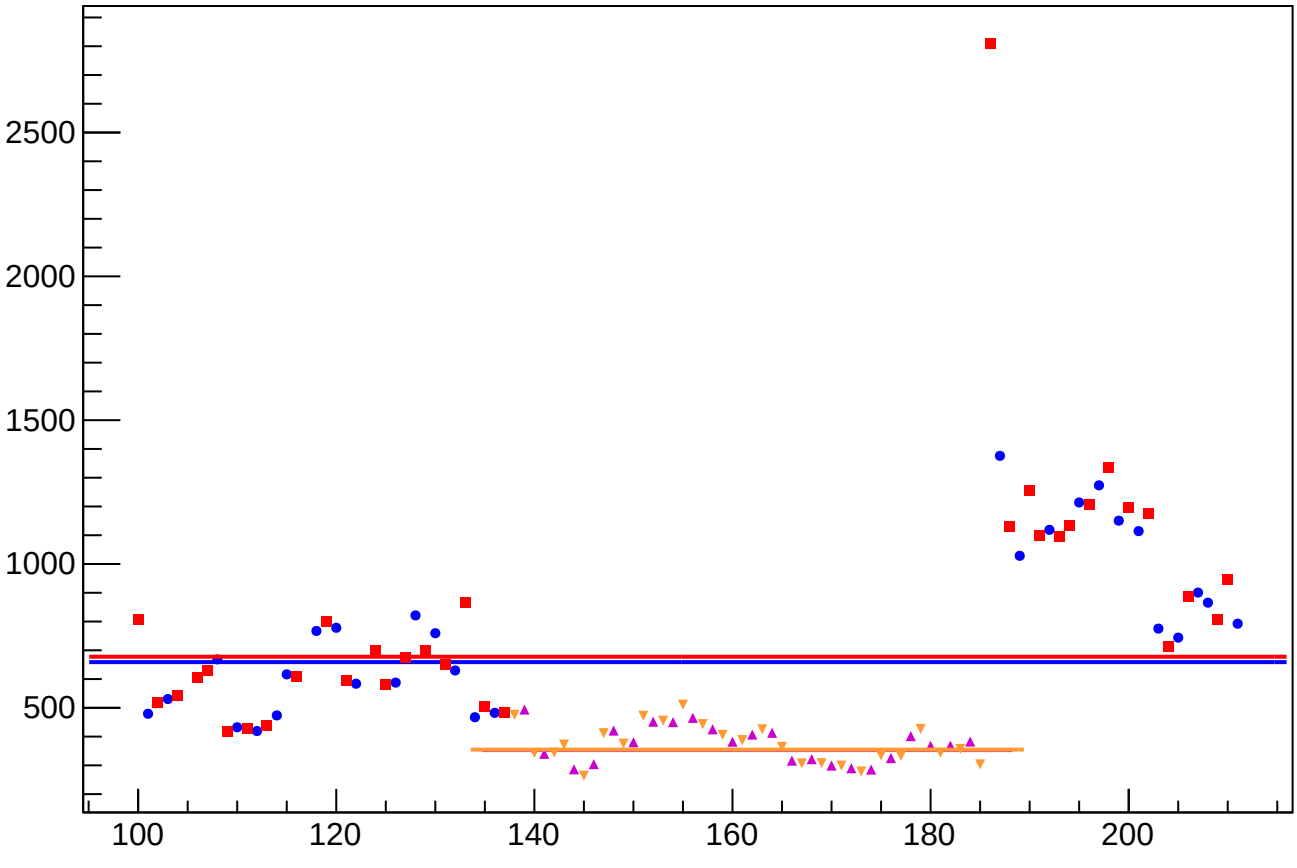
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 105.848+/-121.330 χ^2/NDF: 84.3/60

In: -24.653+/-75.390 χ^2/NDF:62.9/50

Out: -213.400+/-74.011 χ^2/NDF:127.3/57

All: -120.769+/-52.814 χ^2/NDF: 193.3/108



Right In: 658.913+/-0.122 χ^2/NDF: 3541481.0/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 677.657+/-0.121 χ^2/NDF: 4670798.4/32

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

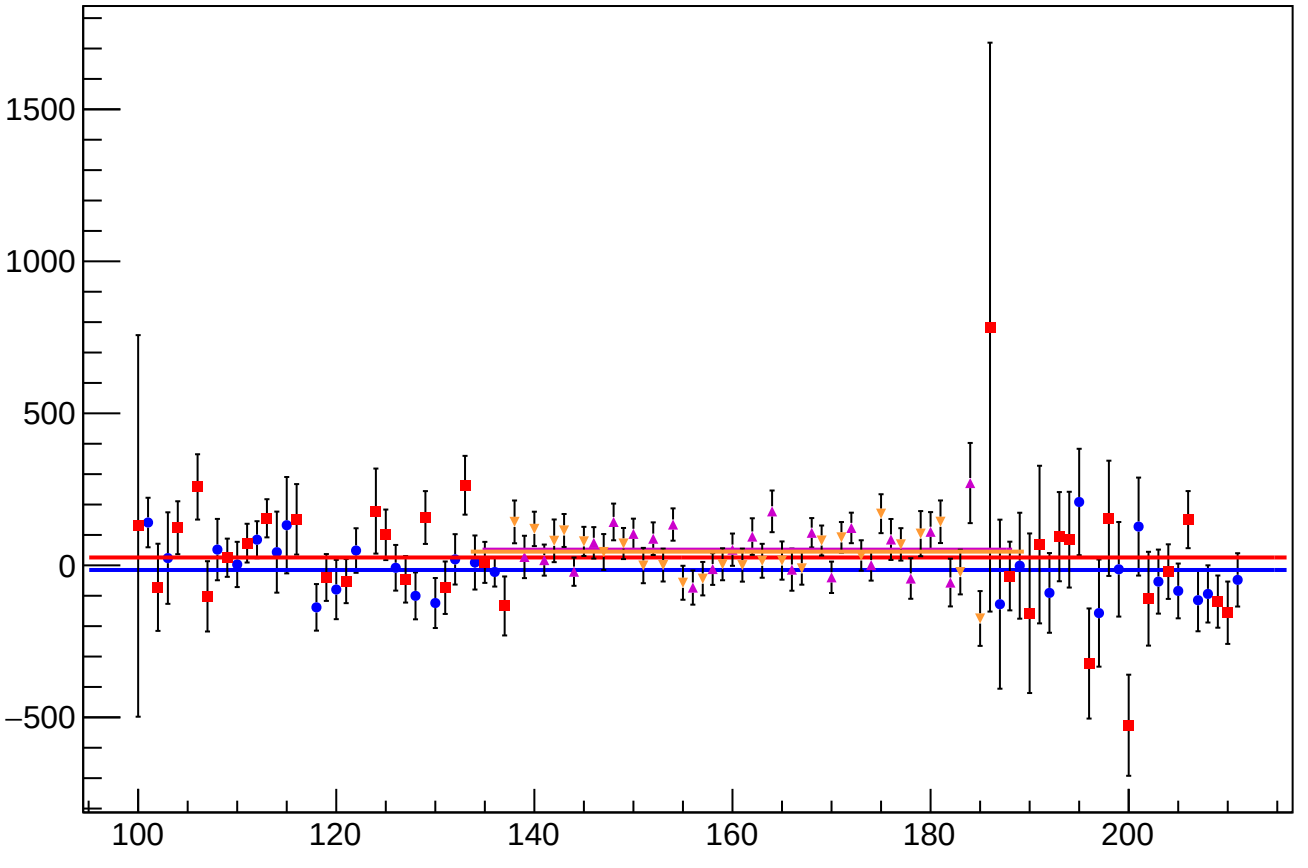
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 668.314+/-0.086 χ^2/NDF: 8224212.9/60

In: 411.956+/-0.053 χ^2/NDF:9659461.7/50

Out: 414.950+/-0.052 χ^2/NDF:11598430.9/57

All: 413.481+/-0.037 χ^2/NDF: 21259498.8/10



Right In: -15.261+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 25.909+/-17.156 χ^2/NDF: 56.6/32

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

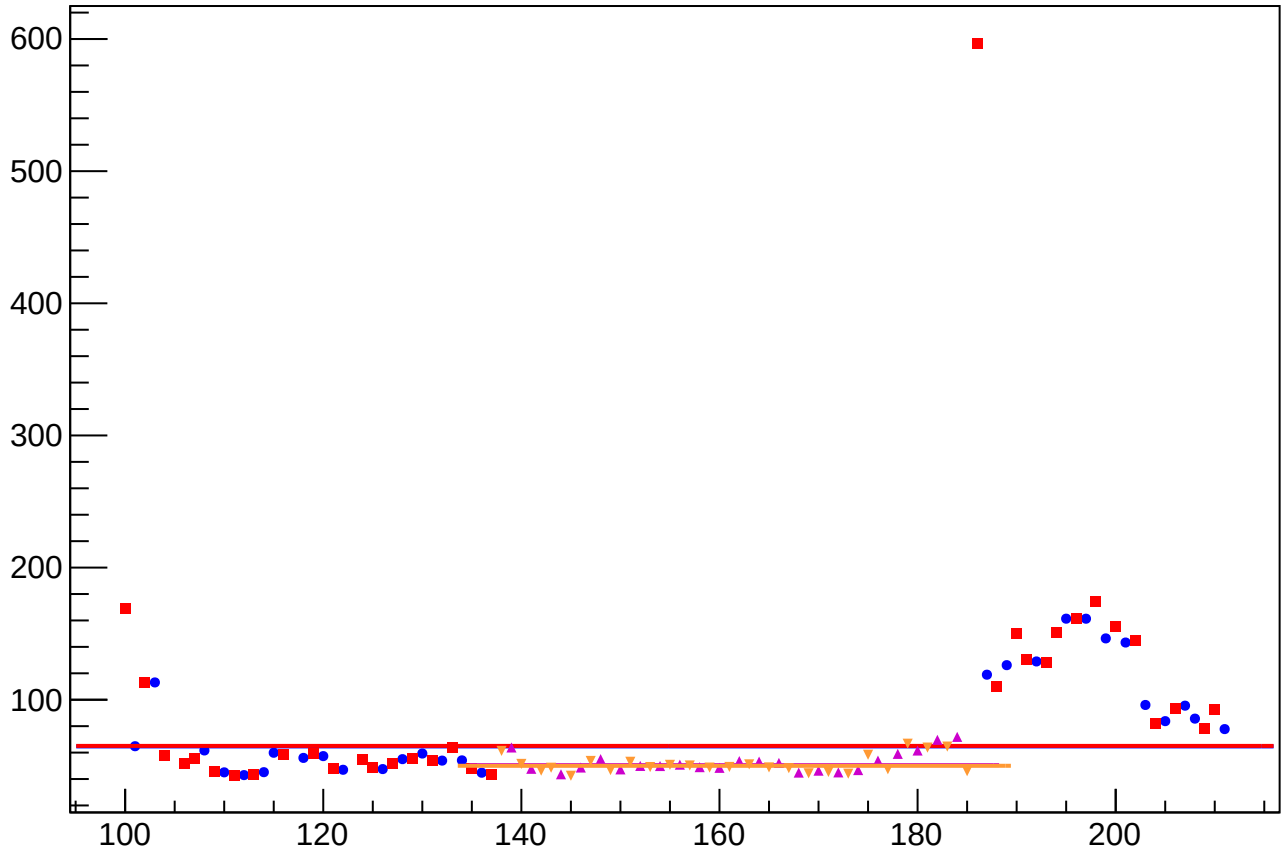
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 5.617+/-12.217 χ^2/NDF: 80.4/60

In: 30.237+/-9.839 χ^2/NDF:66.9/50

Out: 39.151+/-9.549 χ^2/NDF:88.8/57

All: 34.827+/-6.852 χ^2/NDF: 156.1/108



Right In: 64.667+/-0.012 χ^2/NDF: 4990892.1/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 65.063+/-0.012 χ^2/NDF: 6654507.7/32

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

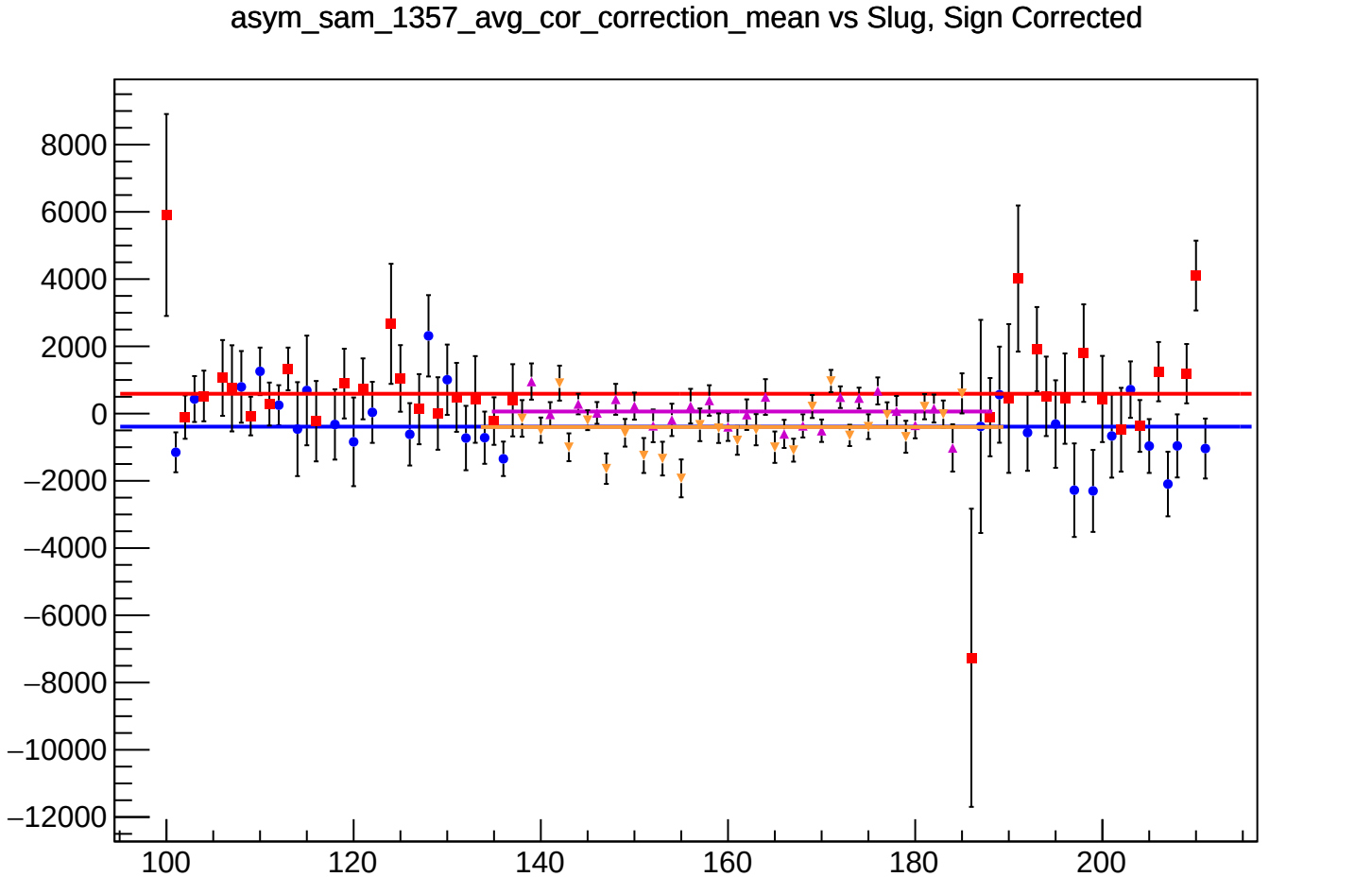
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 64.868+/-0.009 χ^2/NDF: 11645925.3/60

In: 55.037+/-0.007 χ^2/NDF:6394553.2/50

Out: 54.682+/-0.007 χ^2/NDF:8224780.1/57

All: 54.854+/-0.005 χ^2/NDF: 14620677.4/108



Right In: -388.448+/-171.860 χ^2/NDF: 33.4/27

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 589.217+/-171.430 χ^2/NDF: 34.0/32

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

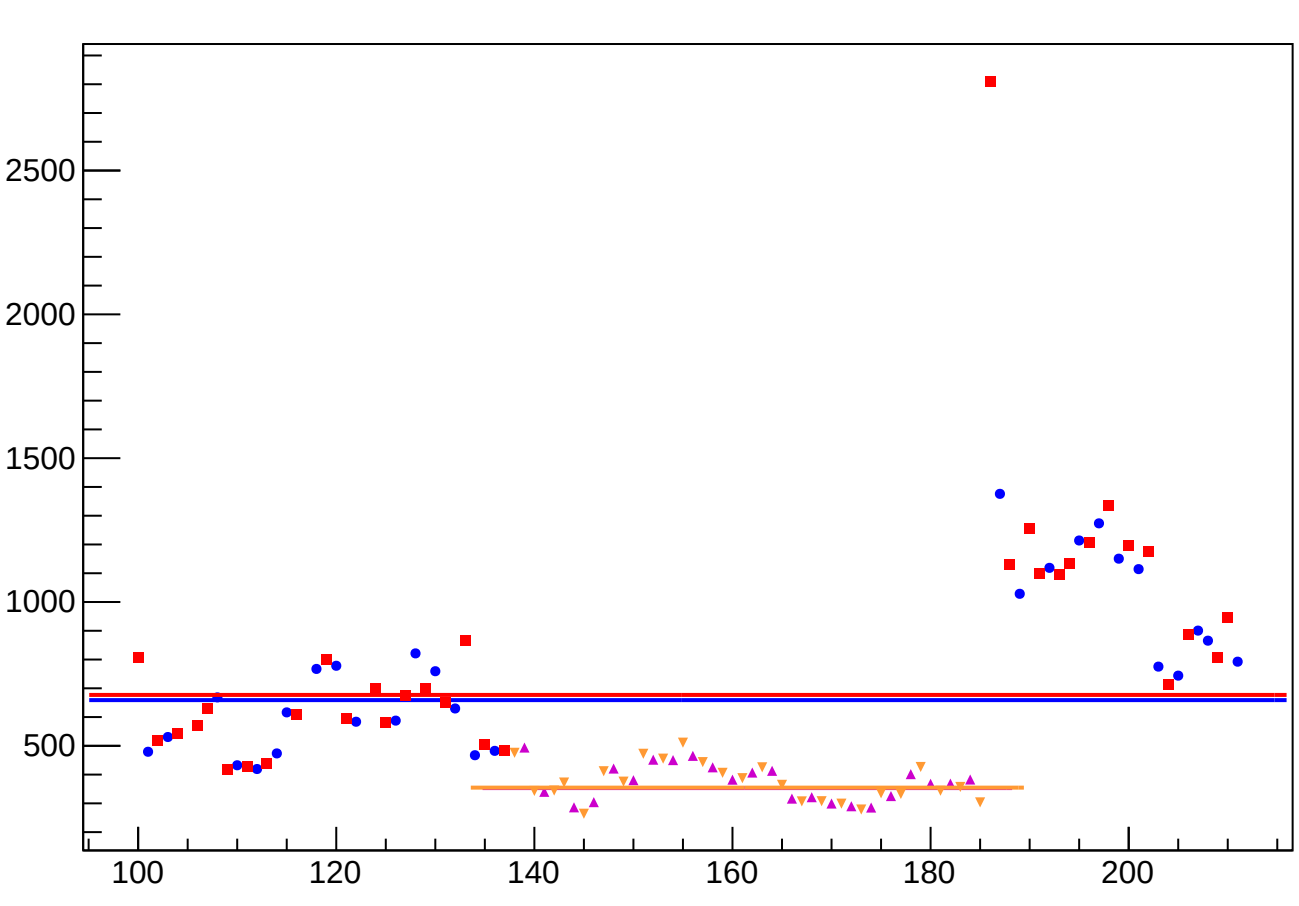
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 101.608+/-121.371 χ^2/NDF: 83.6/60

In: -24.650+/-75.390 χ^2/NDF:62.9/50

Out: -215.057+/-74.020 χ^2/NDF:126.5/57

All: -121.599+/-52.818 χ^2/NDF: 192.6/108



Right In: 658.918+/-0.122 χ^2/NDF: 3541404.5/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 676.978+/-0.121 χ^2/NDF: 4679334.8/32

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

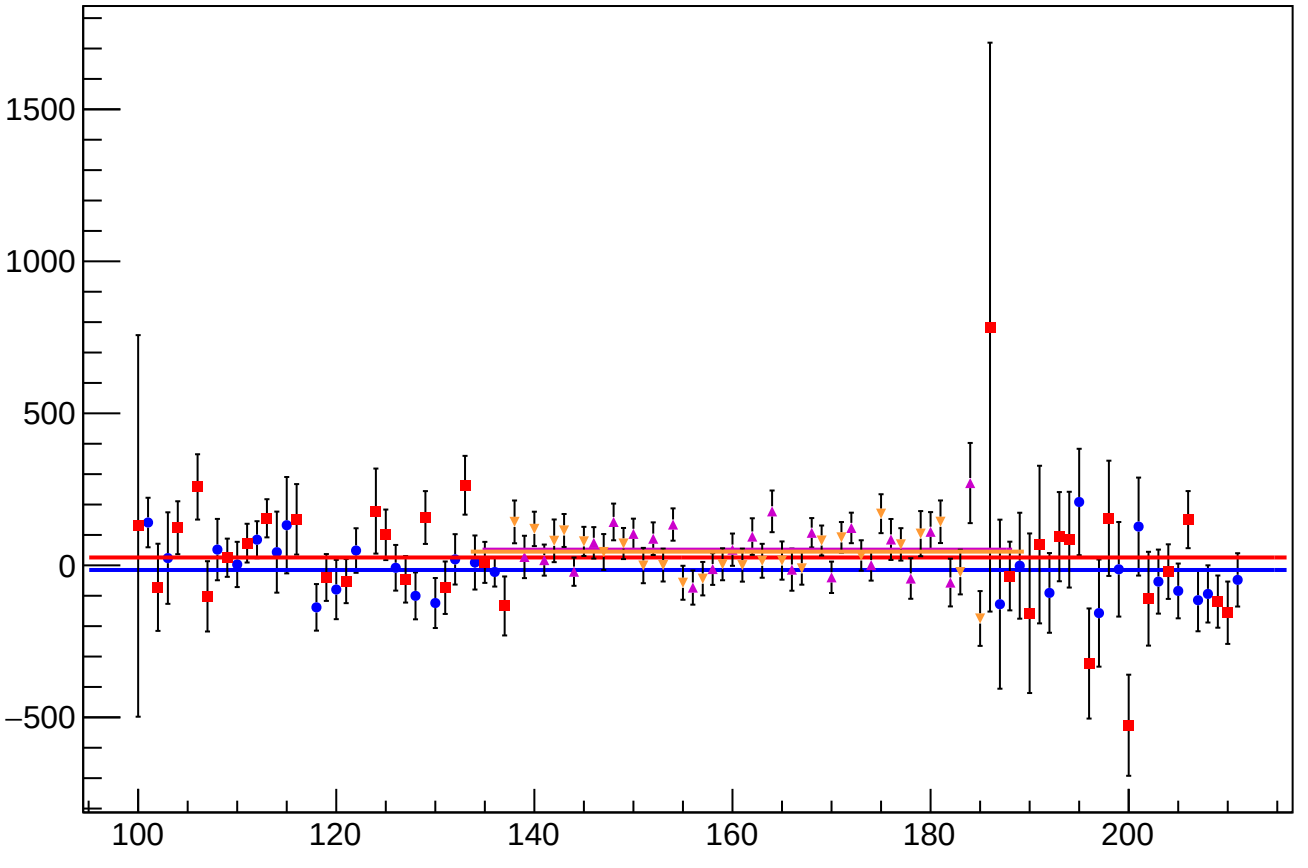
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 667.971+/-0.086 χ^2/NDF: 8231810.4/60

In: 411.957+/-0.053 χ^2/NDF:9659508.2/50

Out: 414.758+/-0.052 χ^2/NDF:11576458.6/57

All: 413.383+/-0.037 χ^2/NDF: 21237373.0/10



Right In: -15.261+/-17.402 χ^2/NDF: 21.1/27

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 25.909+/-17.156 χ^2/NDF: 56.6/32

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

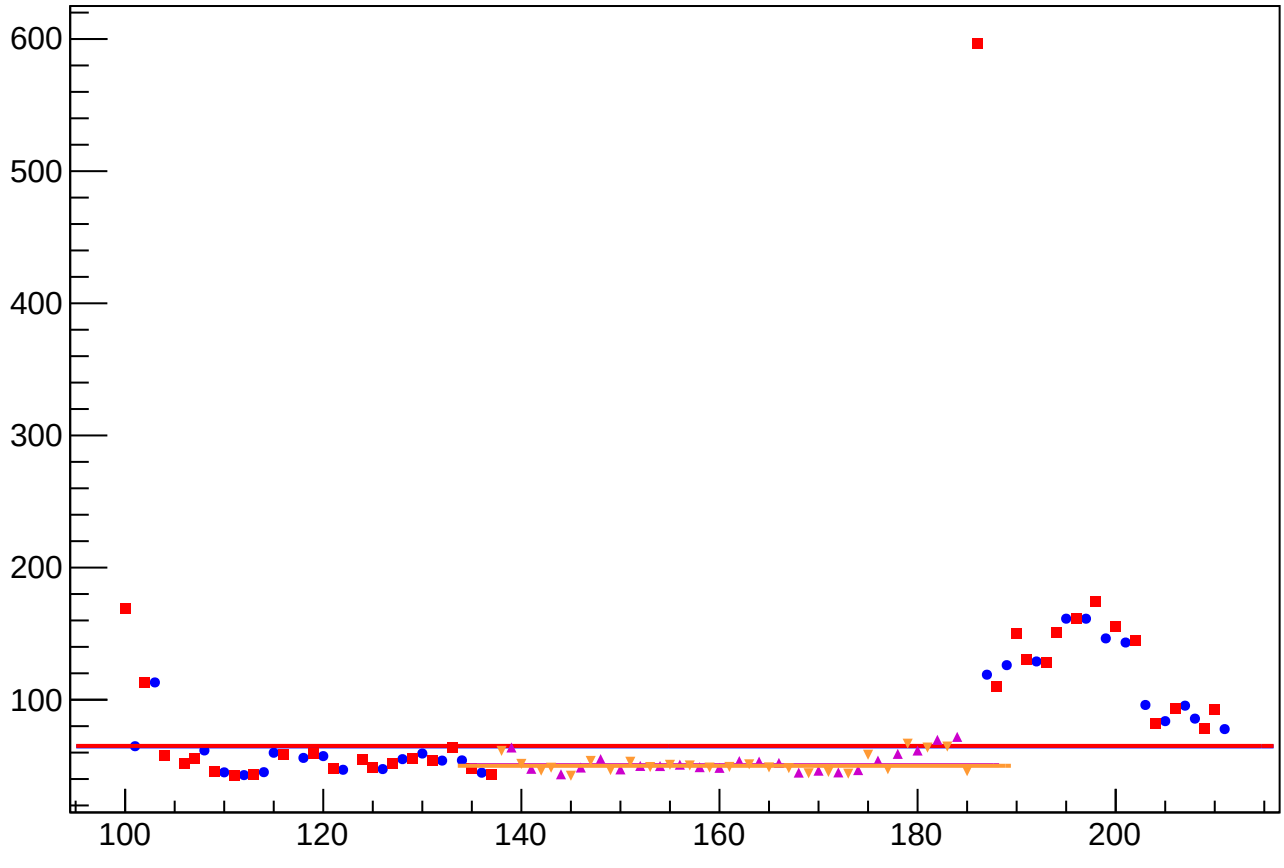
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 5.617+/-12.217 χ^2/NDF: 80.4/60

In: 30.237+/-9.839 χ^2/NDF:66.9/50

Out: 39.151+/-9.549 χ^2/NDF:88.8/57

All: 34.827+/-6.852 χ^2/NDF: 156.1/108



Right In: 64.667+/-0.012 χ^2/NDF: 4990892.1/27

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 65.063+/-0.012 χ^2/NDF: 6654507.7/32

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

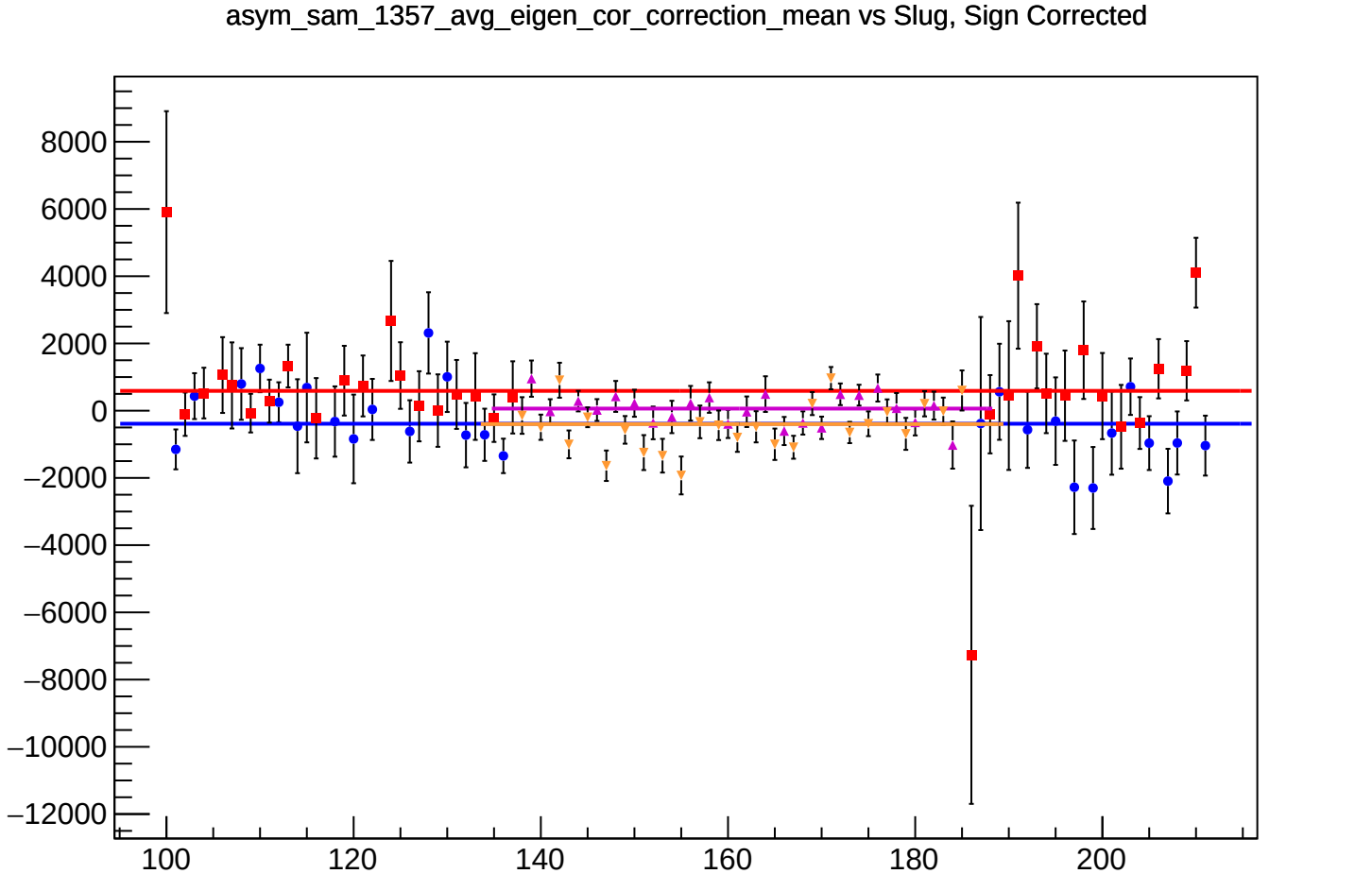
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 64.868+/-0.009 χ^2/NDF: 11645925.3/60

In: 55.037+/-0.007 χ^2/NDF:6394553.2/50

Out: 54.682+/-0.007 χ^2/NDF:8224780.1/57

All: 54.854+/-0.005 χ^2/NDF: 14620677.4/108



Right In: -388.448+/-171.860 χ^2/NDF: 33.4/27

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 589.217+/-171.430 χ^2/NDF: 34.0/32

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

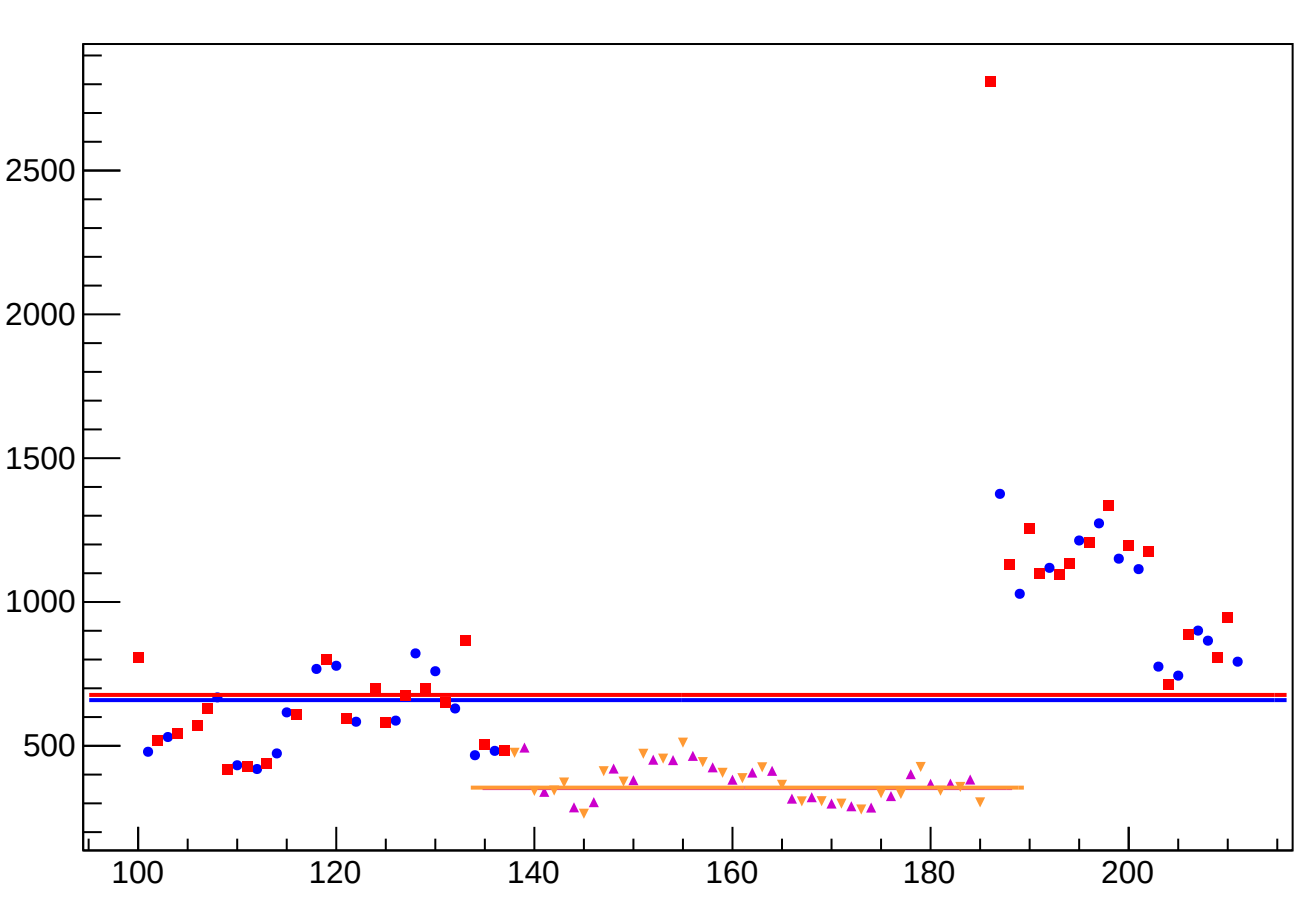
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 101.608+/-121.371 χ^2/NDF: 83.6/60

In: -24.650+/-75.390 χ^2/NDF:62.9/50

Out: -215.057+/-74.020 χ^2/NDF:126.5/57

All: -121.599+/-52.818 χ^2/NDF: 192.6/108



Right In: 658.918+/-0.122 χ^2/NDF: 3541404.5/27

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 676.978+/-0.121 χ^2/NDF: 4679334.8/32

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

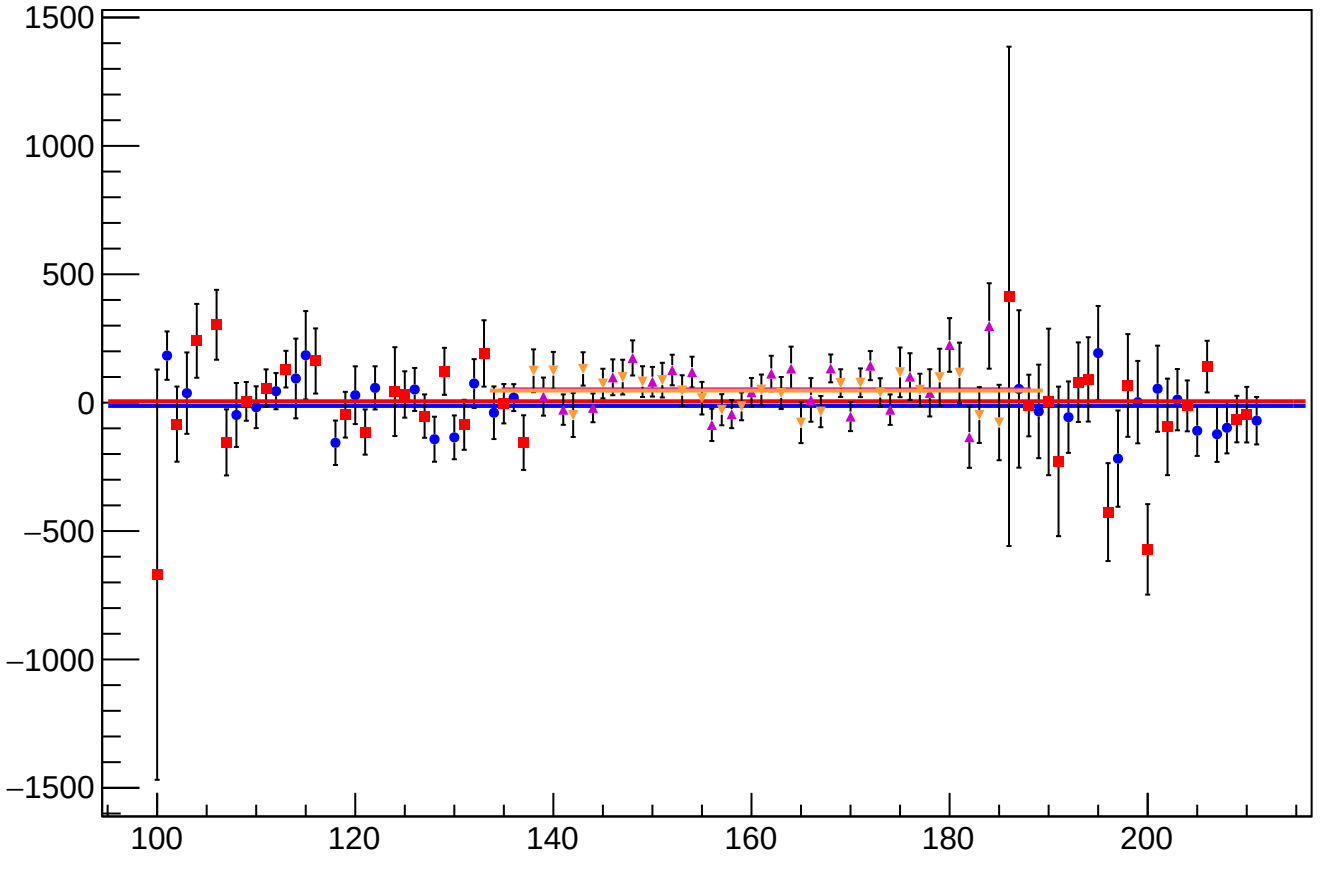
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 667.971+/-0.086 χ^2/NDF: 8231810.4/60

In: 411.957+/-0.053 χ^2/NDF:9659508.2/50

Out: 414.758+/-0.052 χ^2/NDF:11576458.6/57

All: 413.383+/-0.037 χ^2/NDF: 21237373.0/10



Right In: -12.631+/-19.309 χ^2/NDF: 22.6/27

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.475+/-19.524 χ^2/NDF: 45.1/32

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

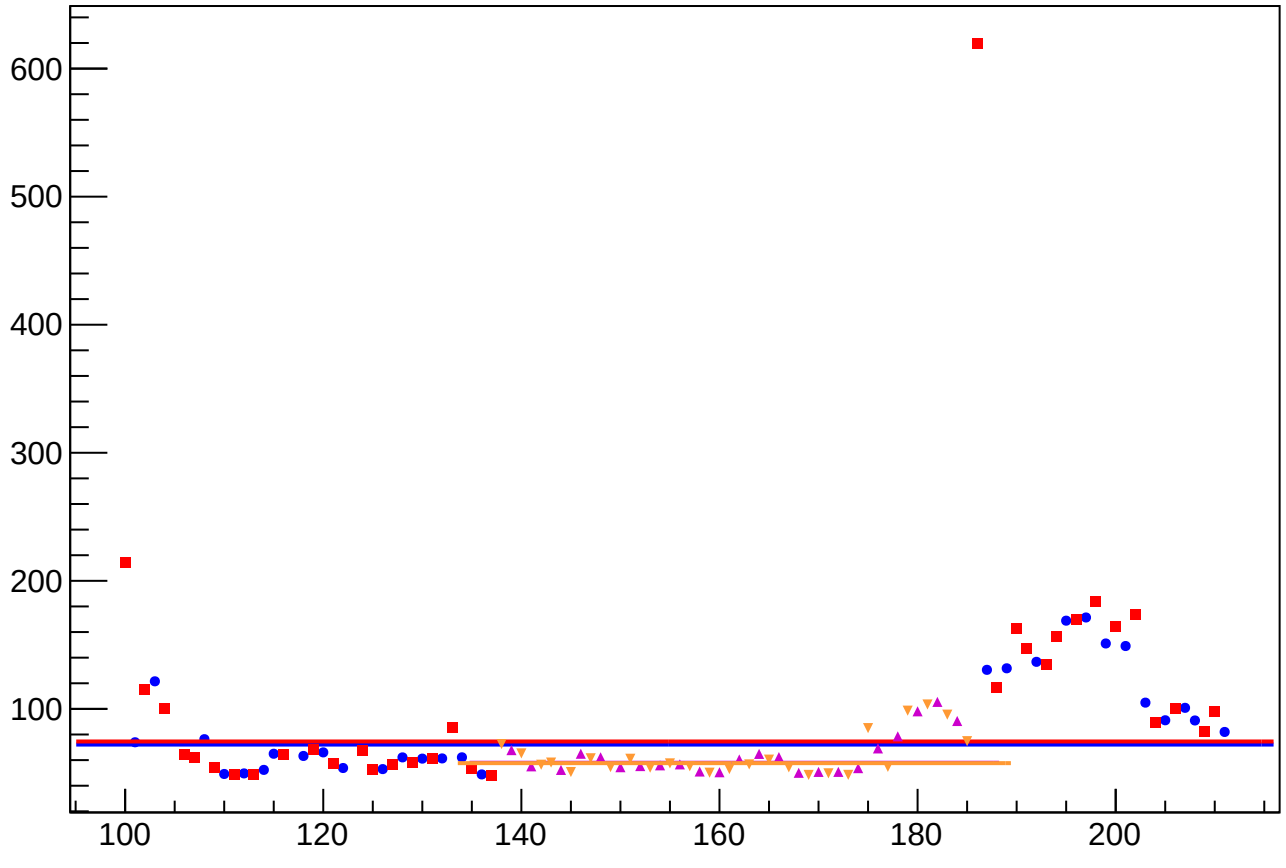
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -3.678+/-13.729 χ^2/NDF: 68.2/60

In: 29.641+/-11.299 χ^2/NDF:68.1/50

Out: 33.655+/-11.110 χ^2/NDF:65.2/57

All: 31.682+/-7.922 χ^2/NDF: 133.4/108



Right In: 72.137+/-0.014 χ^2/NDF: 4524857.3/27

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 74.552+/-0.014 χ^2/NDF: 6110471.0/32

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

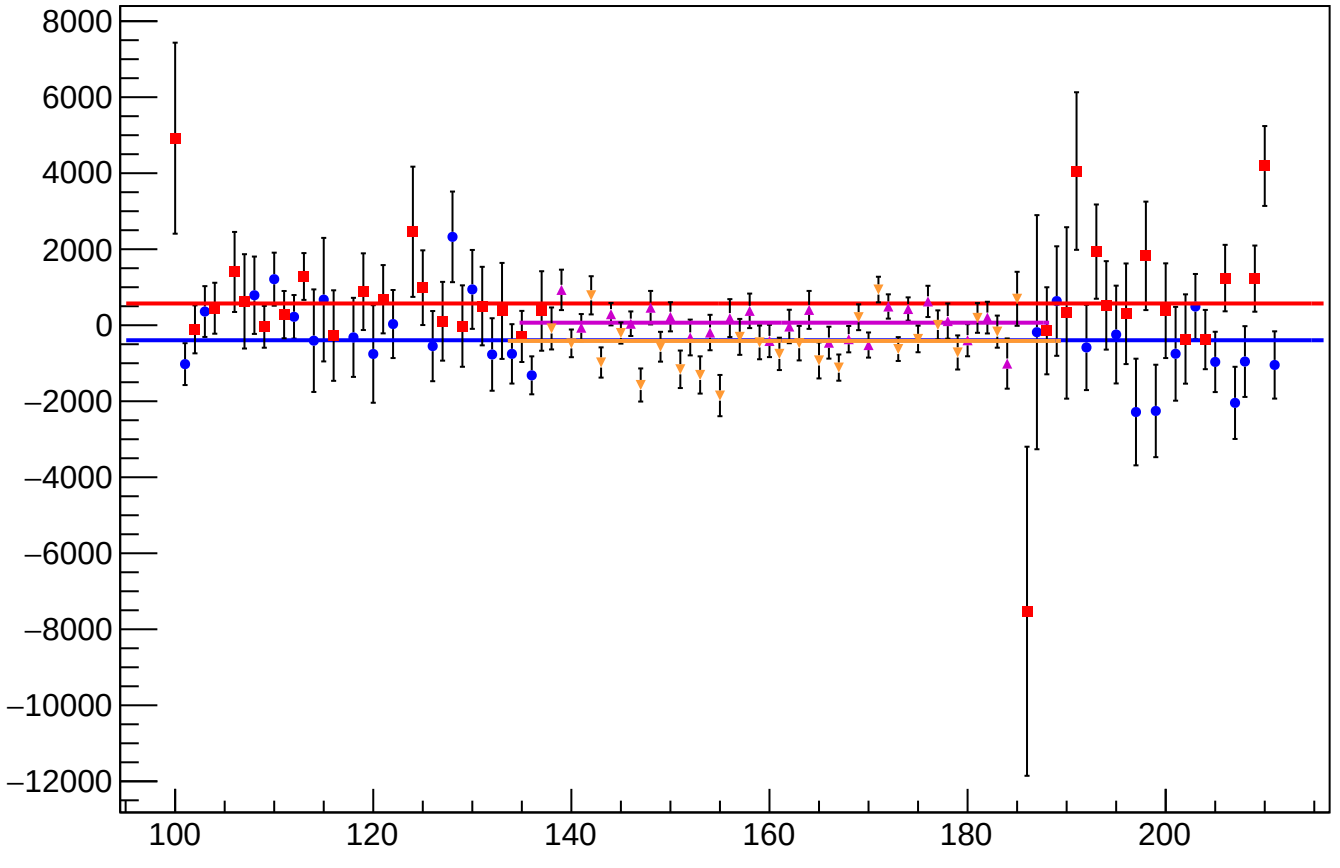
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 73.331+/-0.010 χ^2/NDF: 10650798.5/60

In: 62.801+/-0.008 χ^2/NDF:6360354.1/50

Out: 63.110+/-0.008 χ^2/NDF:8491750.3/57

All: 62.958+/-0.006 χ^2/NDF: 14852866.0/108



Right In: -395.059+/-168.640 χ^2/NDF: 32.1/27

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 572.338+/-166.650 χ^2/NDF: 35.7/32

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

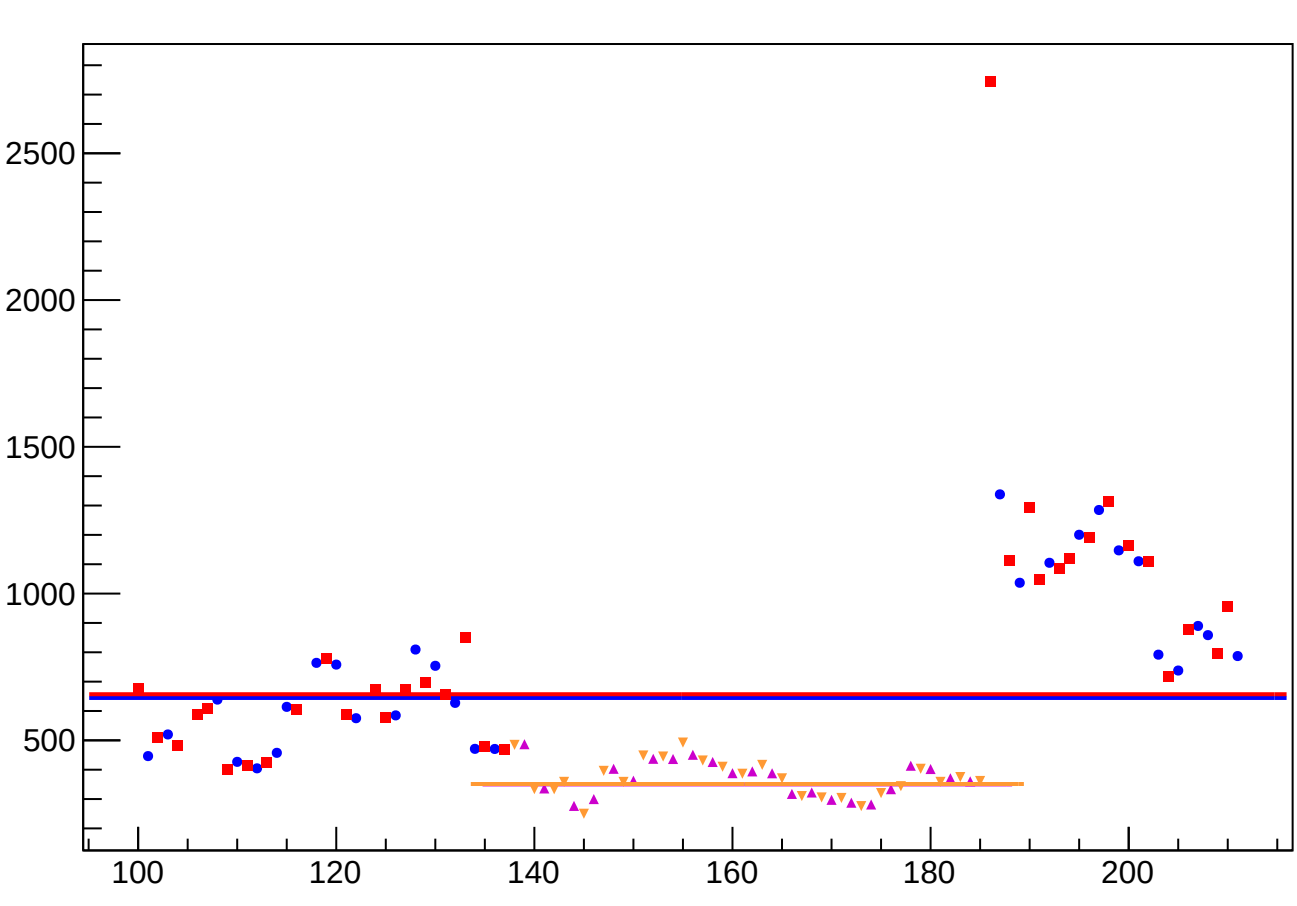
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 94.382+/-118.537 χ^2/NDF: 84.5/60

In: -23.536+/-74.528 χ^2/NDF:61.0/50

Out: -224.242+/-72.948 χ^2/NDF:125.3/57

All: -126.039+/-52.132 χ^2/NDF: 190.1/108



Right In: 644.437+/-0.119 χ^2/NDF: 3756801.7/27

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 657.125+/-0.118 χ^2/NDF: 4892272.7/32

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

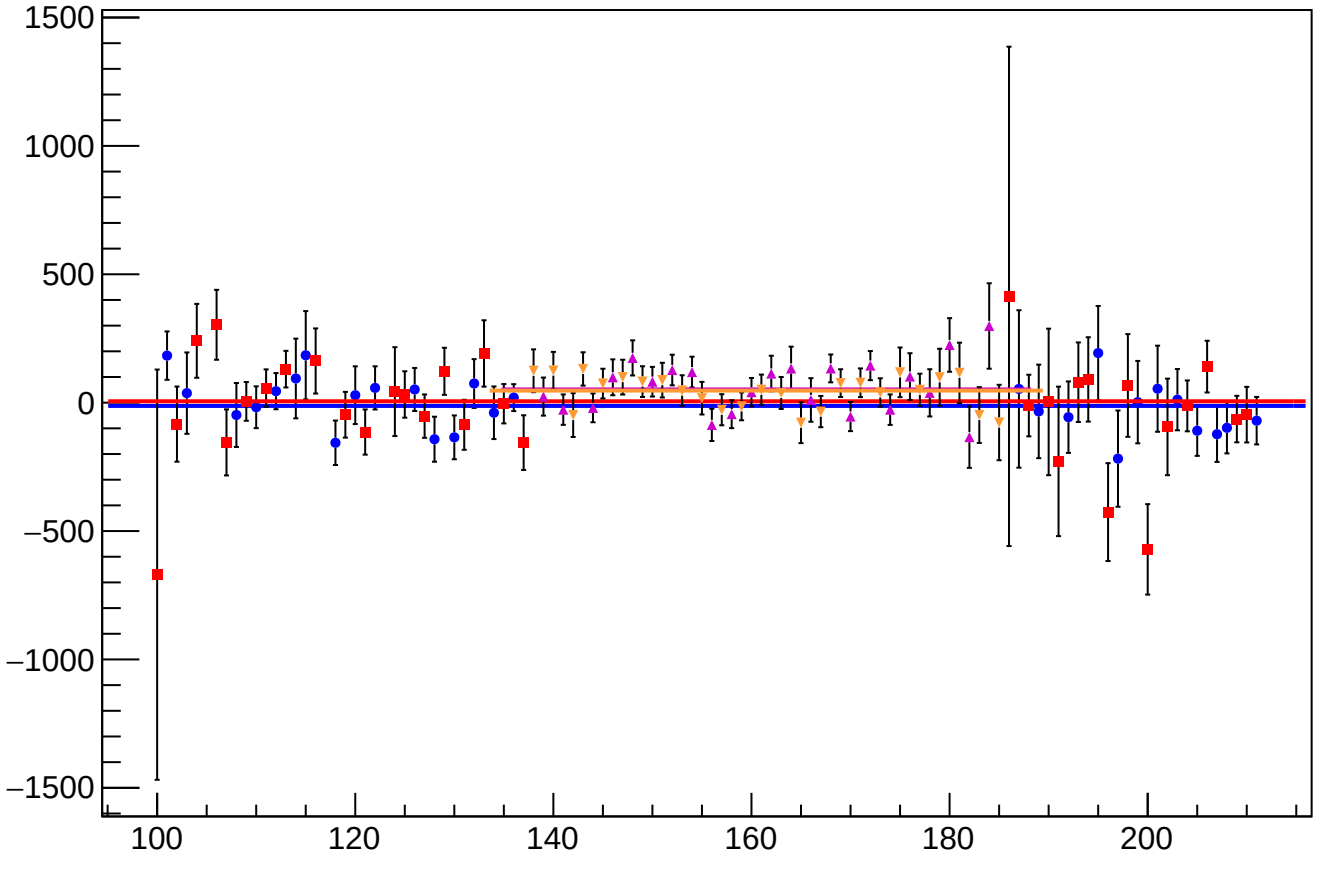
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 650.856+/-0.084 χ^2/NDF: 8654801.5/60

In: 407.355+/-0.053 χ^2/NDF:9659366.0/50

Out: 409.870+/-0.052 χ^2/NDF:11456642.8/57

All: 408.640+/-0.037 χ^2/NDF: 21117171.9/10



Right In: -12.631+/-19.309 χ^2/NDF: 22.6/27

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.474+/-19.524 χ^2/NDF: 45.1/32

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

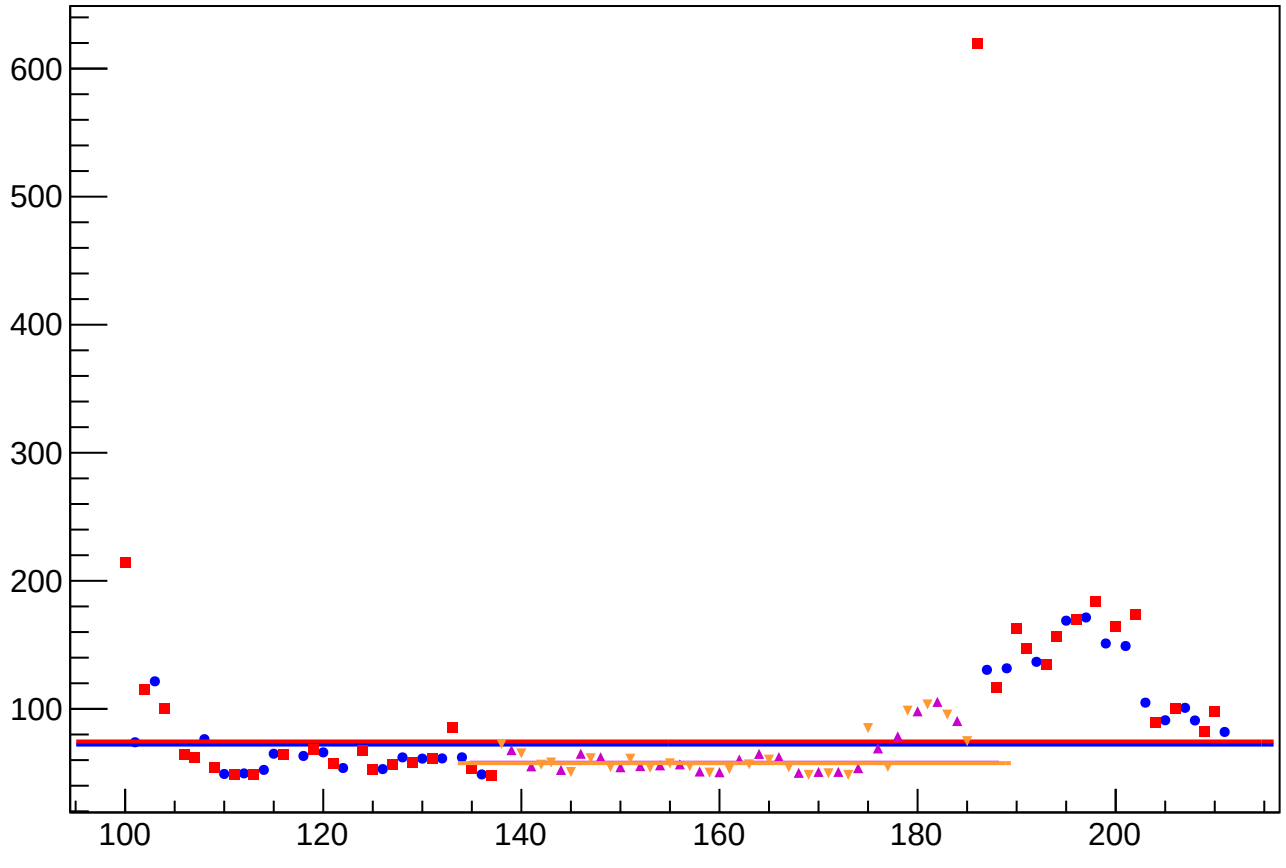
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -3.679+/-13.729 χ^2/NDF: 68.2/60

In: 29.640+/-11.299 χ^2/NDF:68.1/50

Out: 33.655+/-11.110 χ^2/NDF:65.2/57

All: 31.682+/-7.922 χ^2/NDF: 133.4/108



Right In: 72.137+/-0.014 χ^2/NDF: 4524835.4/27

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 74.552+/-0.014 χ^2/NDF: 6110454.5/32

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

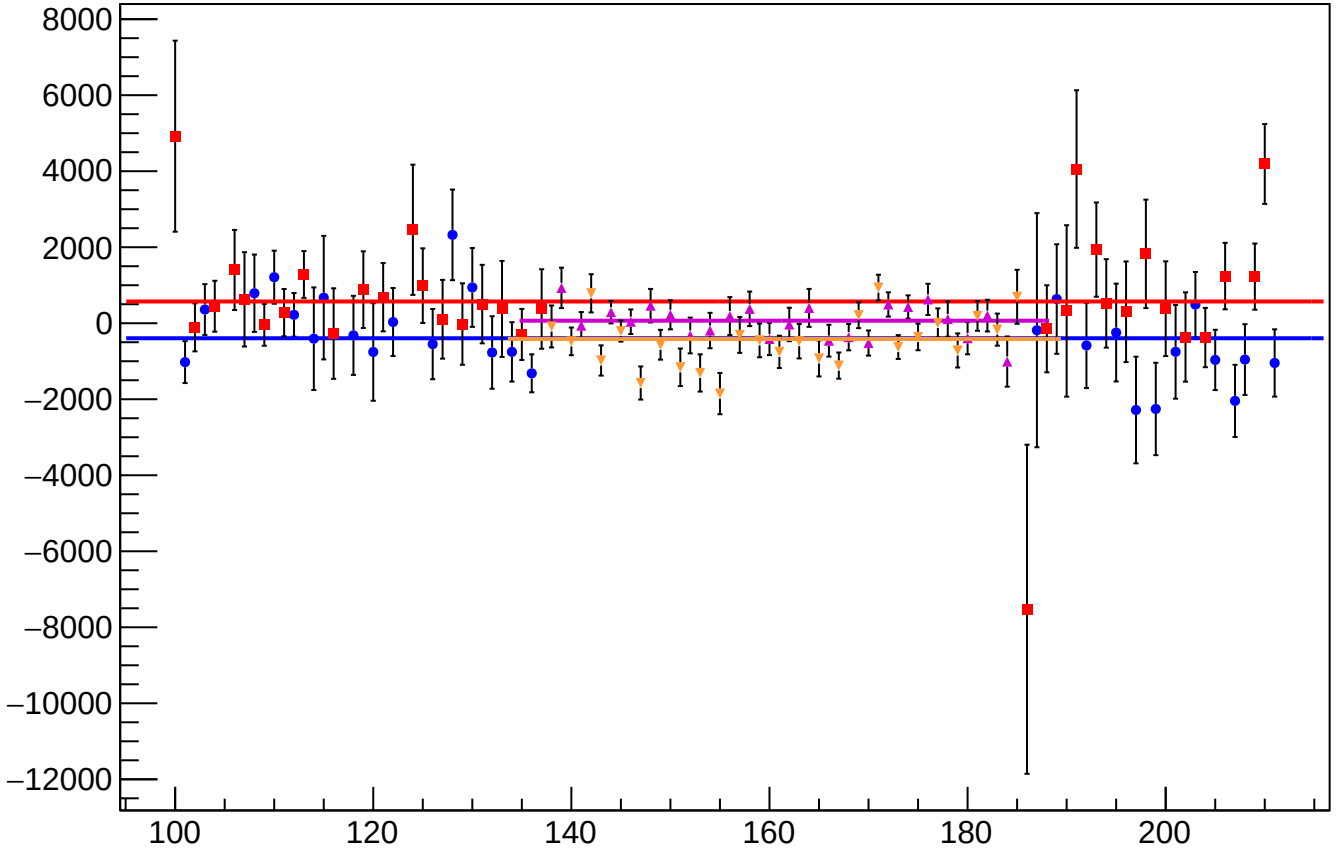
Right: 73.332+/-0.010 χ^2/NDF: 10650760.3/60

In: 62.801+/-0.008 χ^2/NDF:6360314.6/50

Out: 63.111+/-0.008 χ^2/NDF:8491728.9/57

All: 62.959+/-0.006 χ^2/NDF: 14852805.0/108

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -395.058+/-168.640 χ^2/NDF: 32.1/27

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 572.337+/-166.650 χ^2/NDF: 35.7/32

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

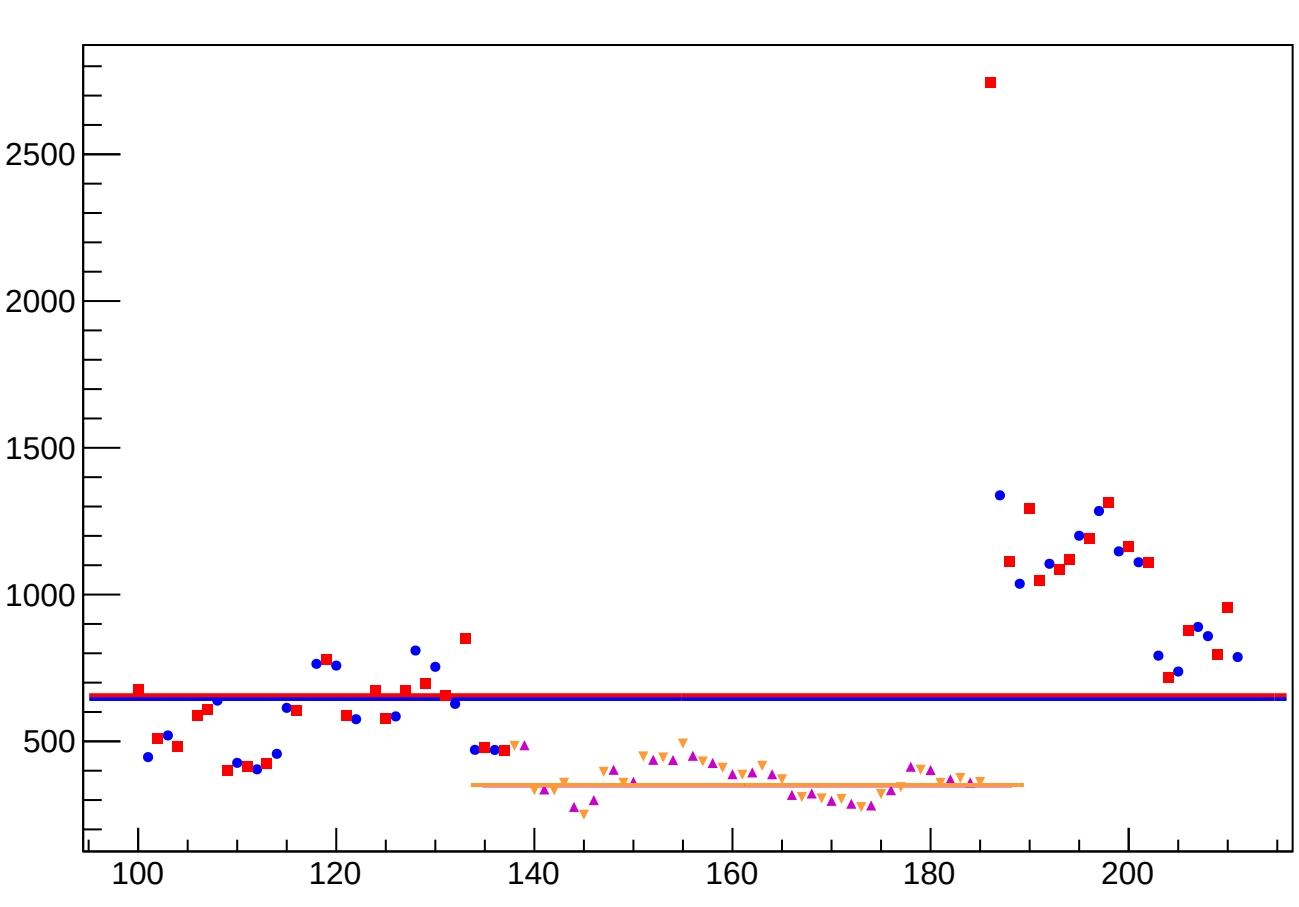
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 94.382+/-118.536 χ^2/NDF: 84.5/60

In: -23.536+/-74.528 χ^2/NDF:61.0/50

Out: -224.241+/-72.948 χ^2/NDF:125.3/57

All: -126.039+/-52.132 χ^2/NDF: 190.1/108



Right In: 644.436+/-0.119 χ^2/NDF: 3756812.3/27

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 657.123+/-0.118 χ^2/NDF: 4892279.7/32

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

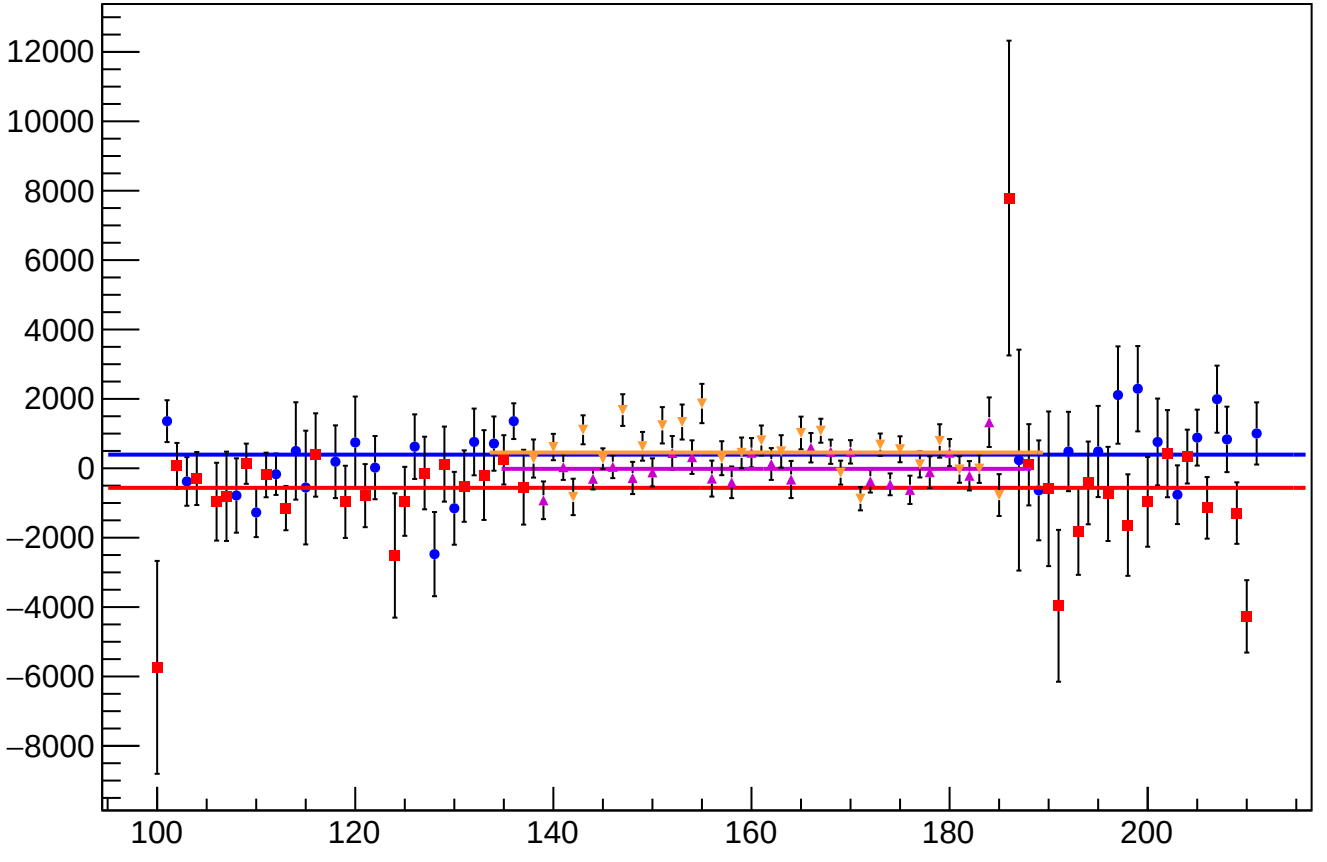
Right: 650.855+/-0.084 χ^2/NDF: 8654819.1/60

In: 407.355+/-0.053 χ^2/NDF:9659351.9/50

Out: 409.870+/-0.052 χ^2/NDF:11456631.4/57

All: 408.639+/-0.037 χ^2/NDF: 21117146.3/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 393.478+/-173.203 χ^2/NDF: 33.8/27

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -563.133+/-172.656 χ^2/NDF: 34.2/32

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

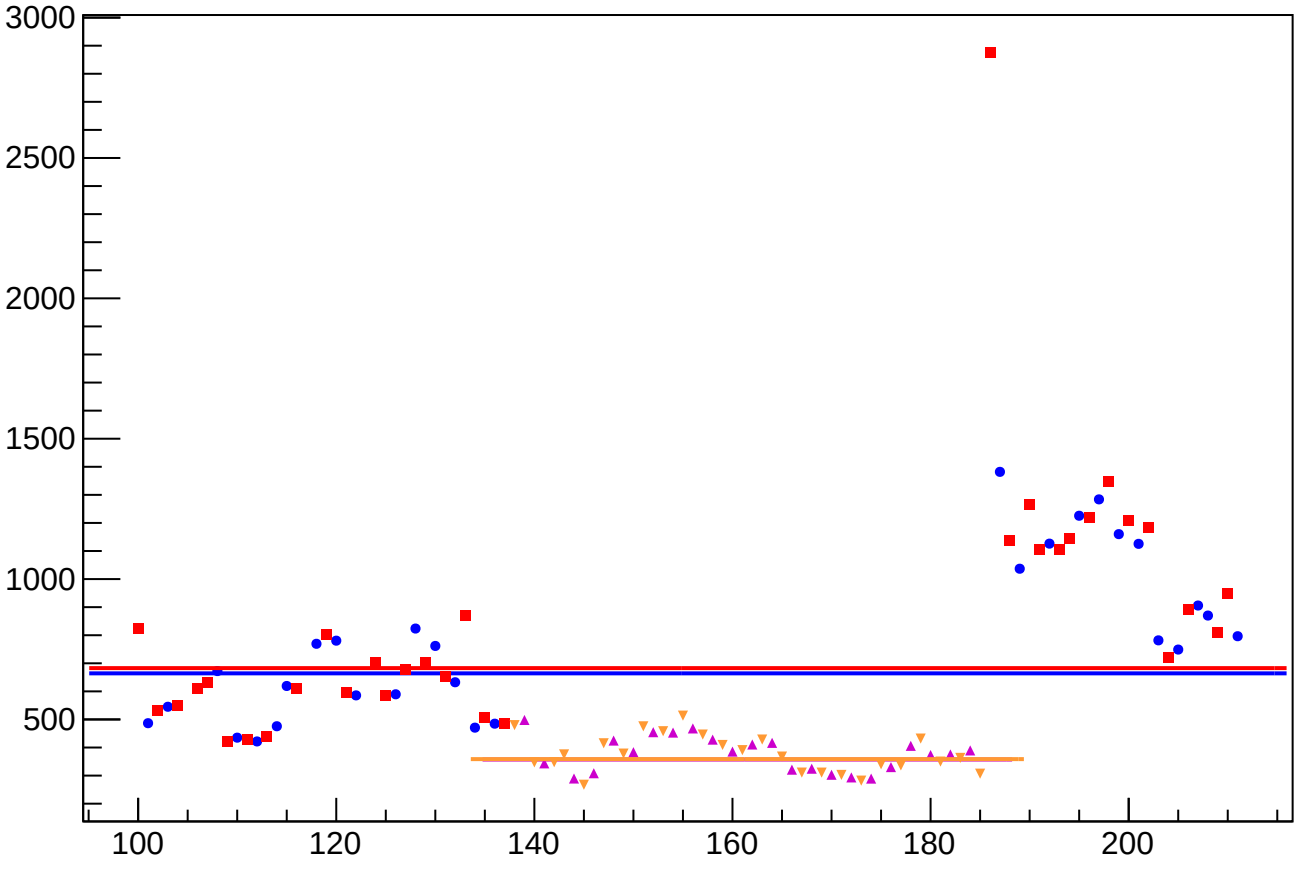
Right: -86.340+/-122.279 χ^2/NDF: 83.2/60

In: 63.163+/-76.184 χ^2/NDF:63.1/50

Out: 264.218+/-74.776 χ^2/NDF:123.3/57

All: 165.565+/-53.366 χ^2/NDF: 190.0/108

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 664.208+/-0.122 χ^2/NDF: 3526589.0/27

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 682.831+/-0.122 χ^2/NDF: 4665862.0/32

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

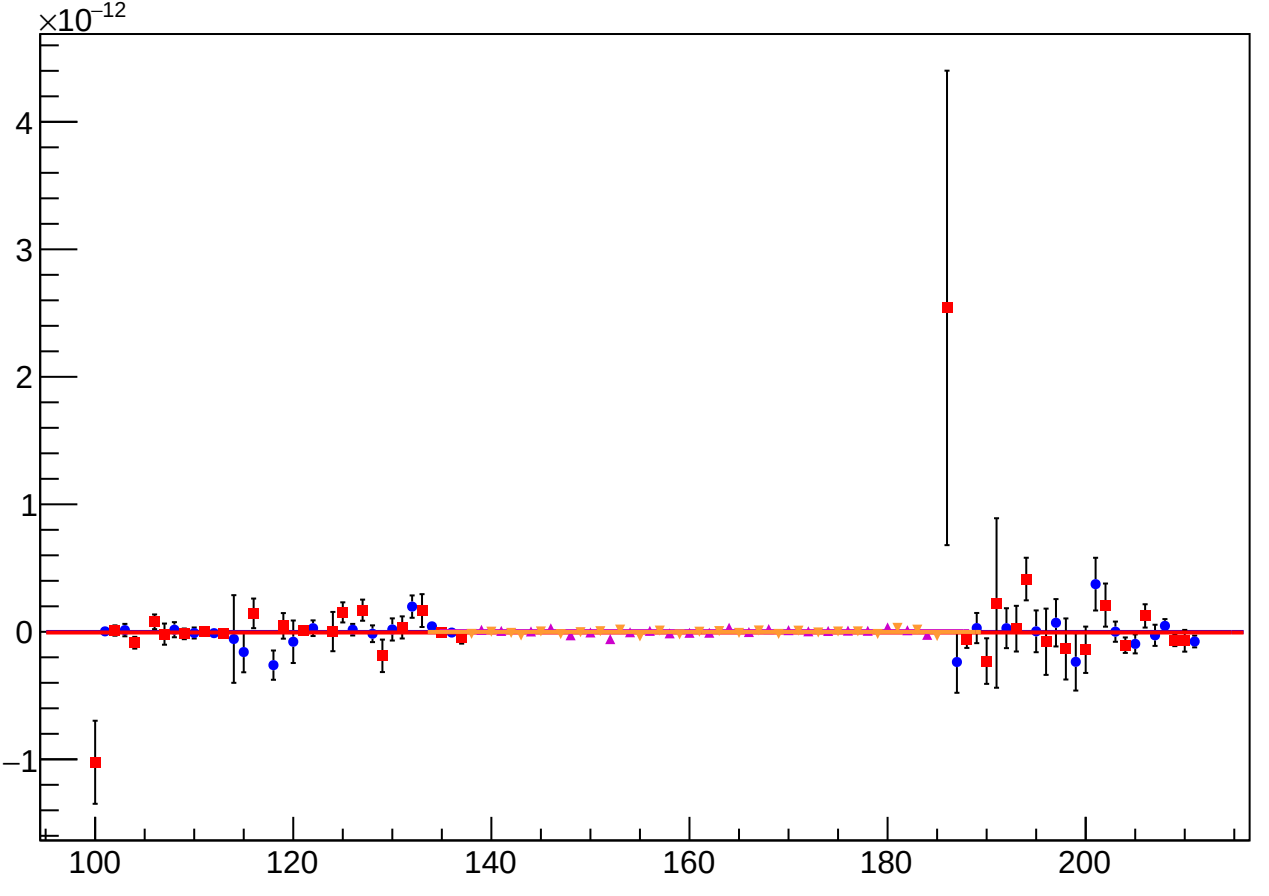
Right: 673.549+/-0.086 χ^2/NDF: 8204048.6/60

In: 416.583+/-0.054 χ^2/NDF:9576846.7/50

Out: 419.479+/-0.053 χ^2/NDF:11512764.6/57

All: 418.058+/-0.038 χ^2/NDF: 21091083.3/10

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/27

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.9/32

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

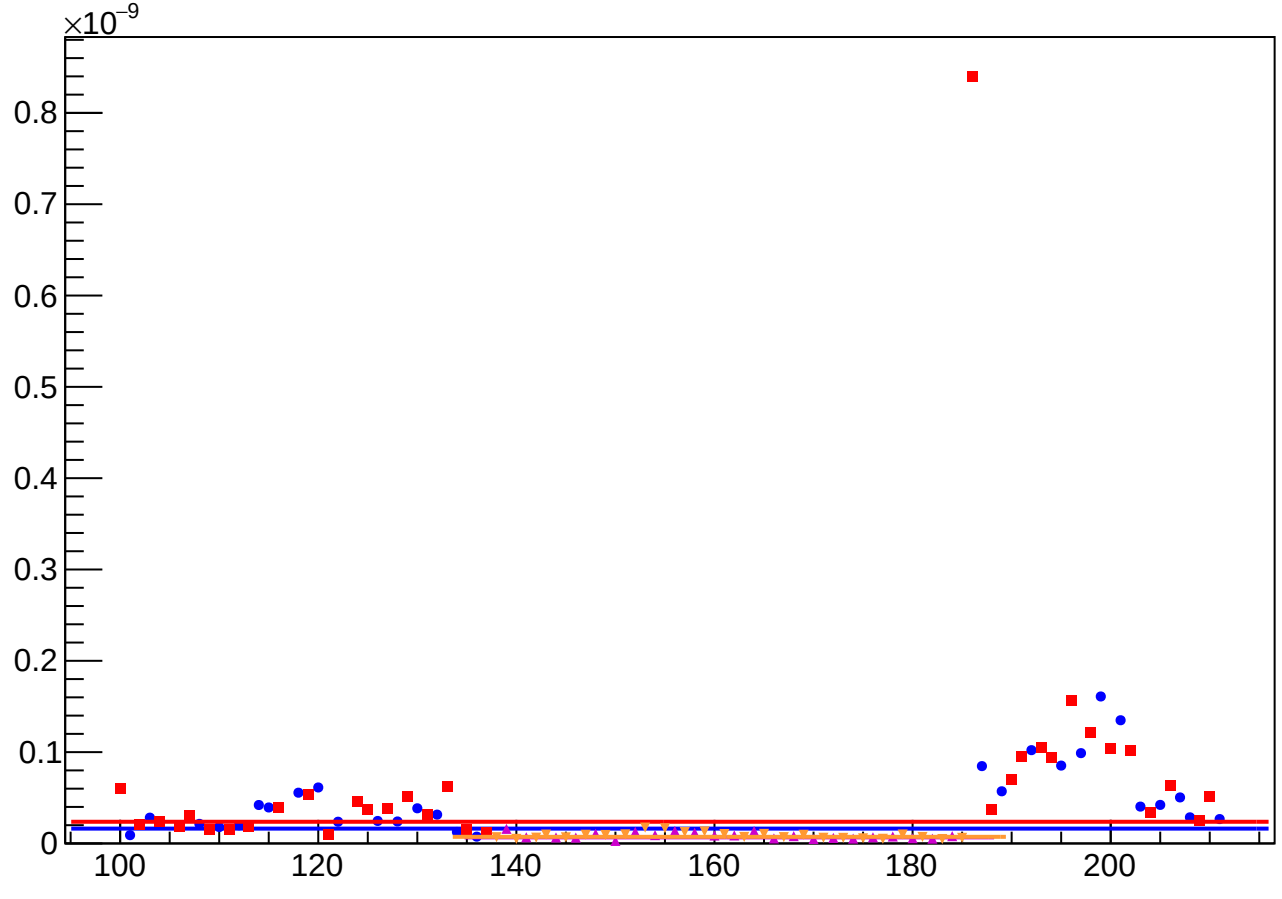
Right: -0.000+/-0.000 χ^2/NDF: 75.4/60

In: 0.000+/-0.000 χ^2/NDF:53.5/50

Out: -0.000+/-0.000 χ^2/NDF:69.2/57

All: 0.000+/-0.000 χ^2/NDF: 125.2/108

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6247240.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5354561.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

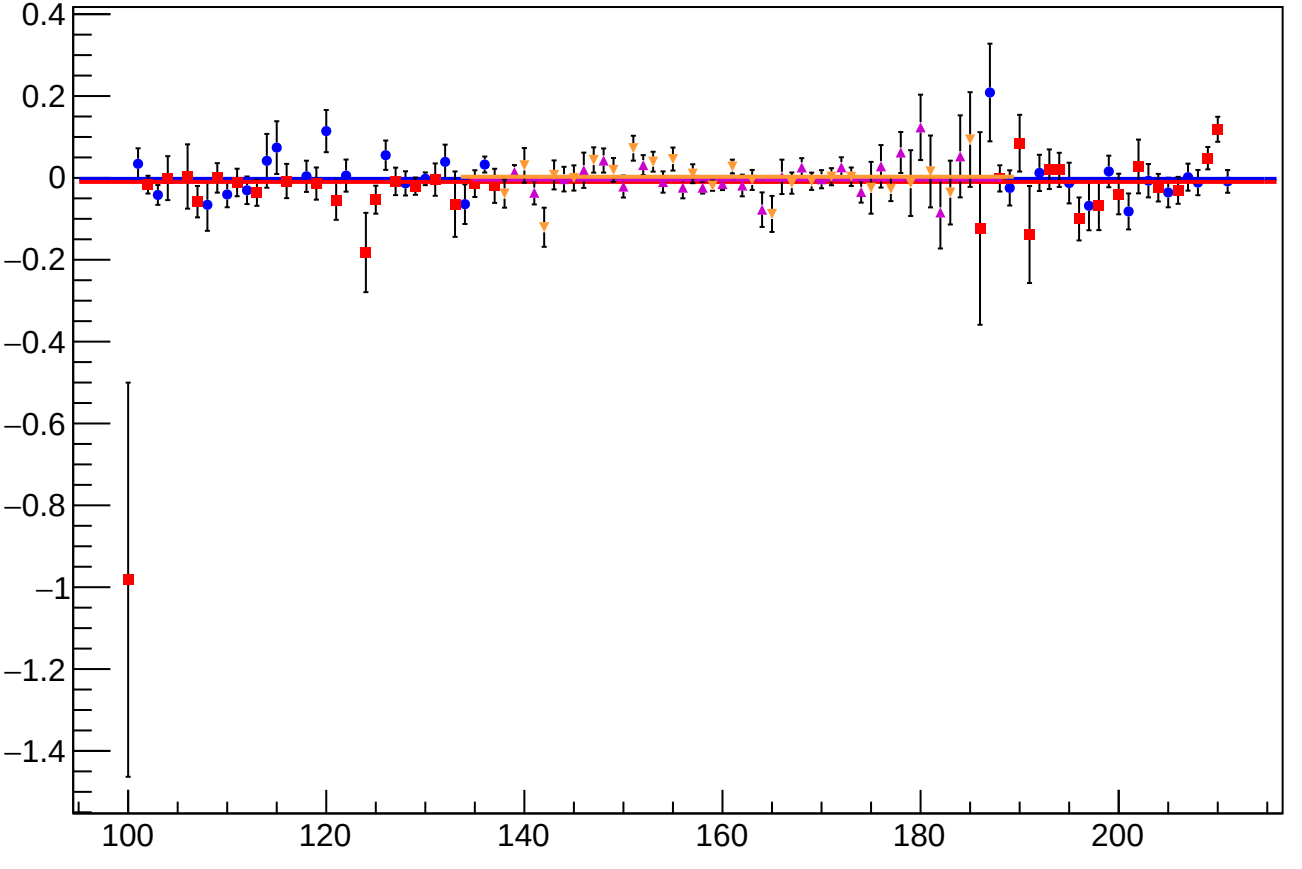
Right: 0.000+/-0.000 χ^2/NDF: 12181823.0/60

In: 0.000+/-0.000 χ^2/NDF:10268821.7/50

Out: 0.000+/-0.000 χ^2/NDF:11005142.3/57

All: 0.000+/-0.000 χ^2/NDF: 21338127.7/108

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

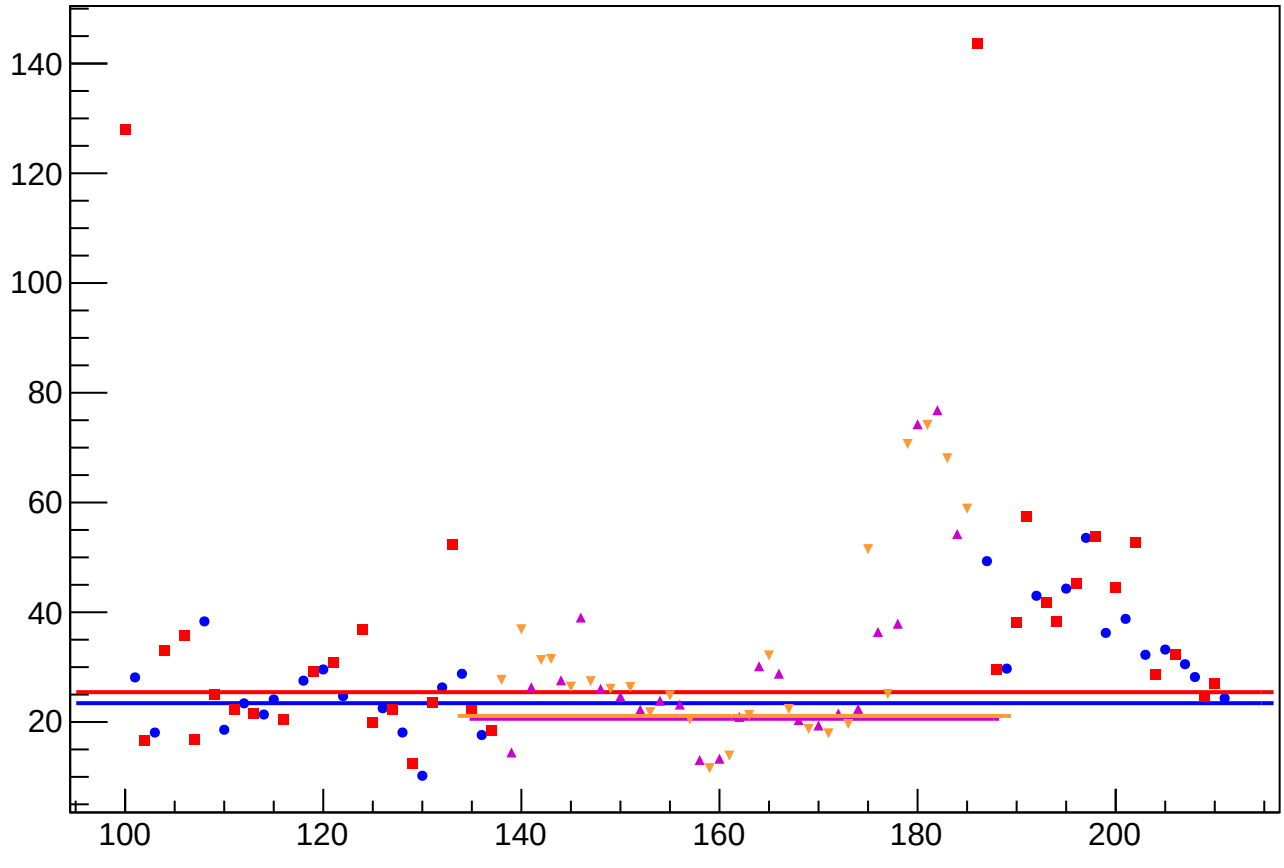
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.006+/-0.005 χ^2/NDF: 77.0/60

In: -0.003+/-0.004 χ^2/NDF:56.3/50

Out: -0.002+/-0.004 χ^2/NDF:79.6/57

All: -0.003+/-0.003 χ^2/NDF: 135.9/108



Right In: 23.431+/-0.005 χ^2/NDF: 4299262.6/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.439+/-0.005 χ^2/NDF: 4547153.7/32

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

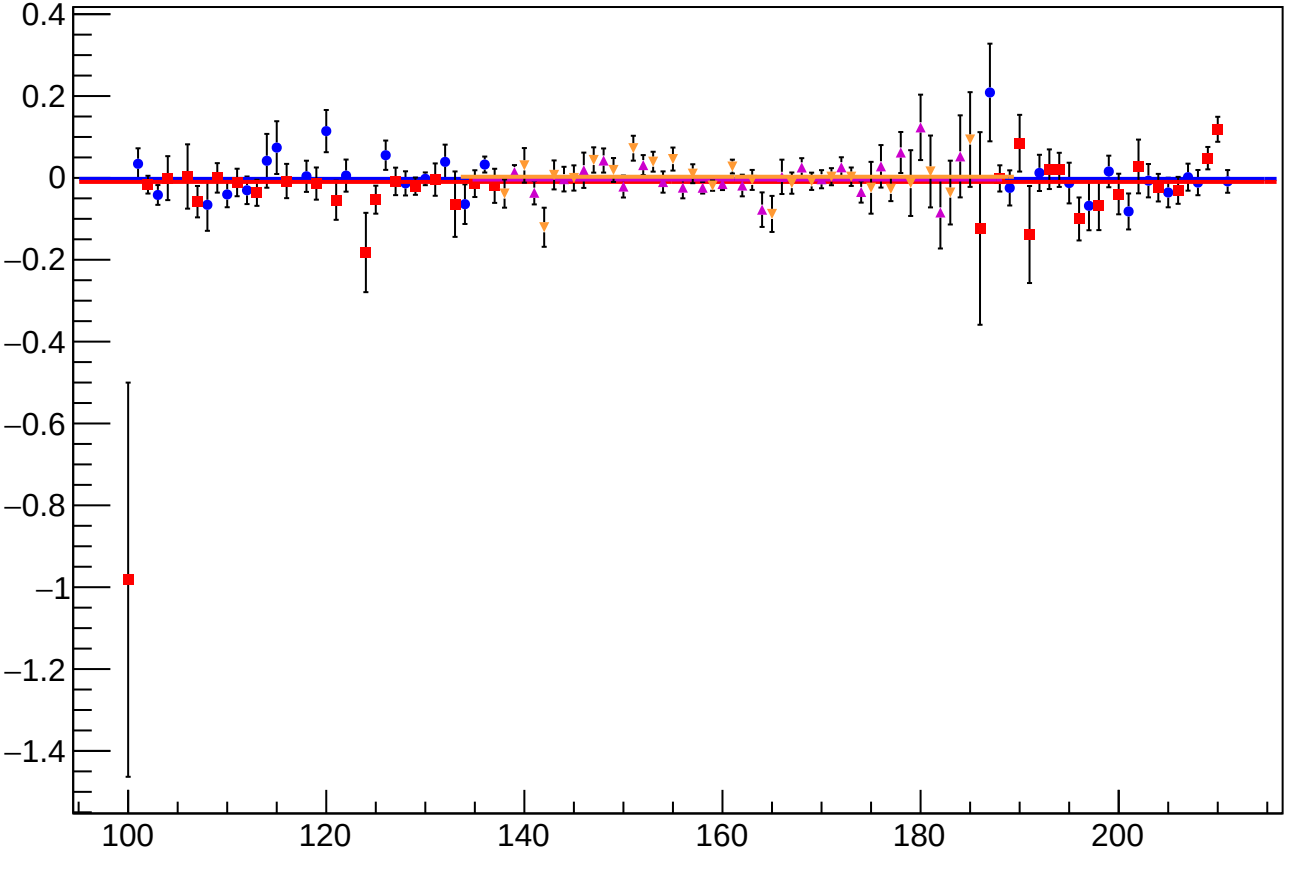
Right: 24.385+/-0.003 χ^2/NDF: 8938593.3/60

In: 21.771+/-0.003 χ^2/NDF:9125476.1/50

Out: 22.810+/-0.003 χ^2/NDF:10589350.0/57

All: 22.279+/-0.002 χ^2/NDF: 19776030.1/108

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

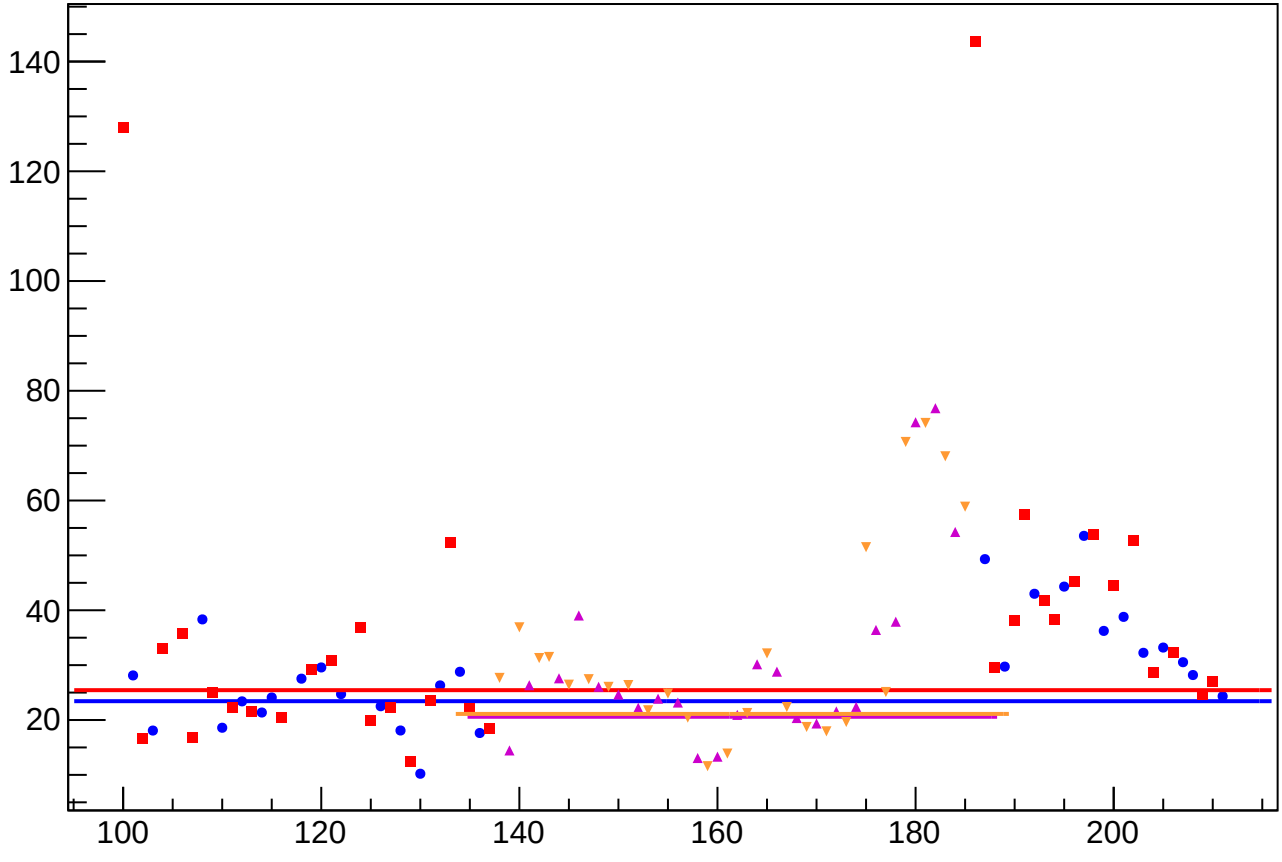
Right: -0.006+/-0.005 χ^2/NDF: 77.0/60

In: -0.003+/-0.004 χ^2/NDF:56.3/50

Out: -0.002+/-0.004 χ^2/NDF:79.6/57

All: -0.003+/-0.003 χ^2/NDF: 135.9/108

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.431+/-0.005 χ^2/NDF: 4299262.6/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.439+/-0.005 χ^2/NDF: 4547153.7/32

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

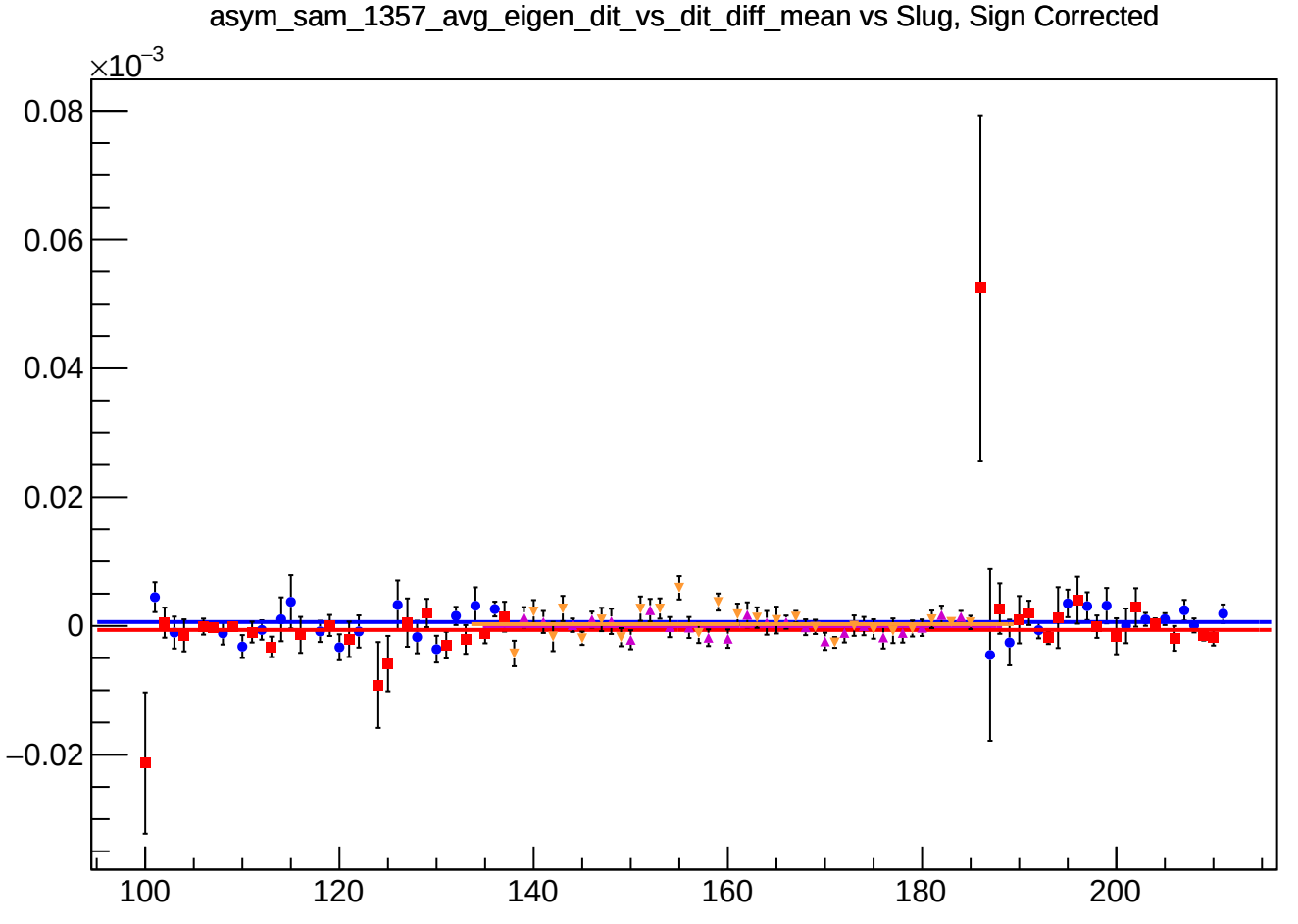
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.385+/-0.003 χ^2/NDF: 8938593.3/60

In: 21.771+/-0.003 χ^2/NDF:9125476.1/50

Out: 22.810+/-0.003 χ^2/NDF:10589350.0/57

All: 22.279+/-0.002 χ^2/NDF: 19776030.1/108



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/32

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

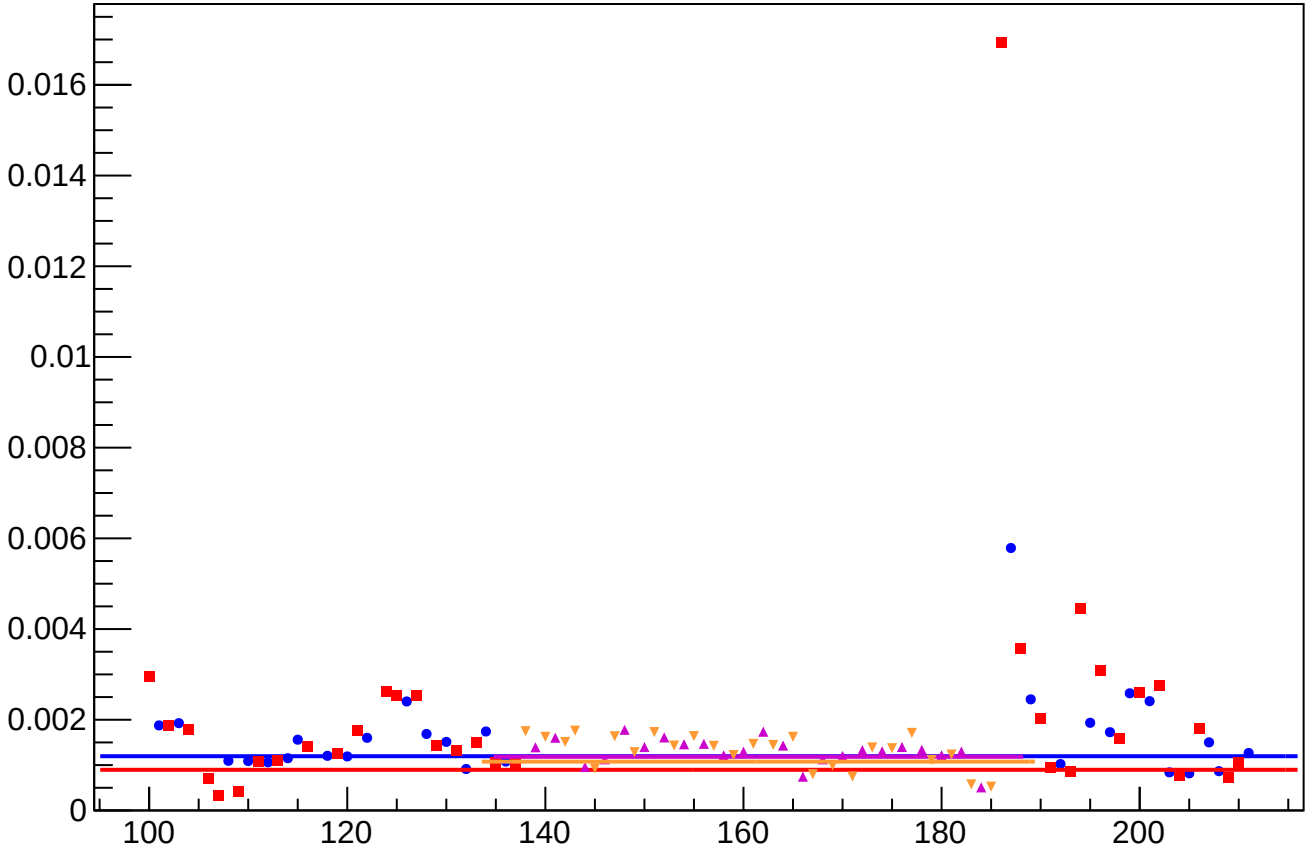
Right: -0.000+/-0.000 χ^2/NDF: 73.1/60

In: 0.000+/-0.000 χ^2/NDF:55.3/50

Out: -0.000+/-0.000 χ^2/NDF:89.6/57

All: 0.000+/-0.000 χ^2/NDF: 147.2/108

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3593902.0/27

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11171486.3/32

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

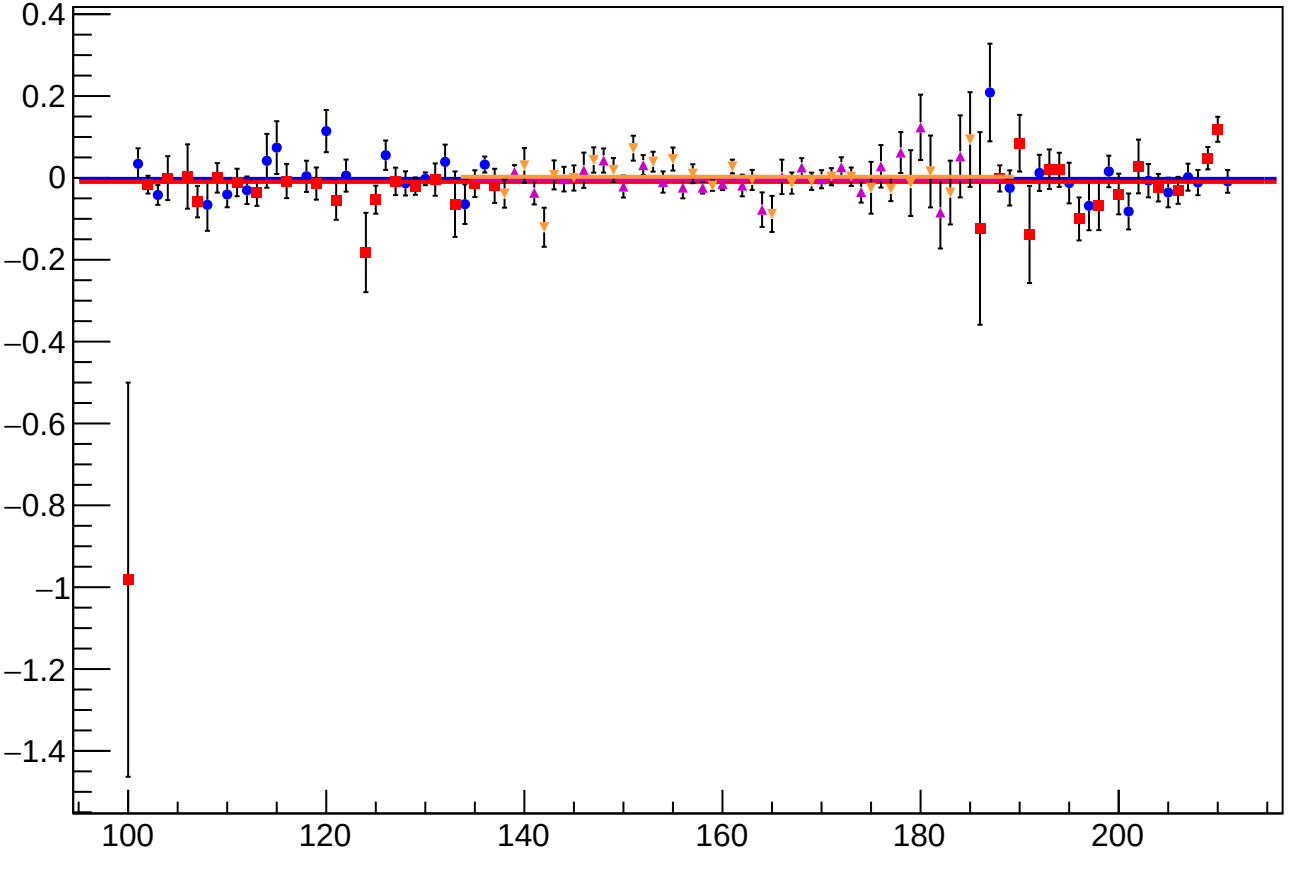
Right: 0.001+/-0.000 χ^2/NDF: 15801082.7/60

In: 0.001+/-0.000 χ^2/NDF:6051777.3/50

Out: 0.001+/-0.000 χ^2/NDF:16189797.1/57

All: 0.001+/-0.000 χ^2/NDF: 23270293.5/108

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

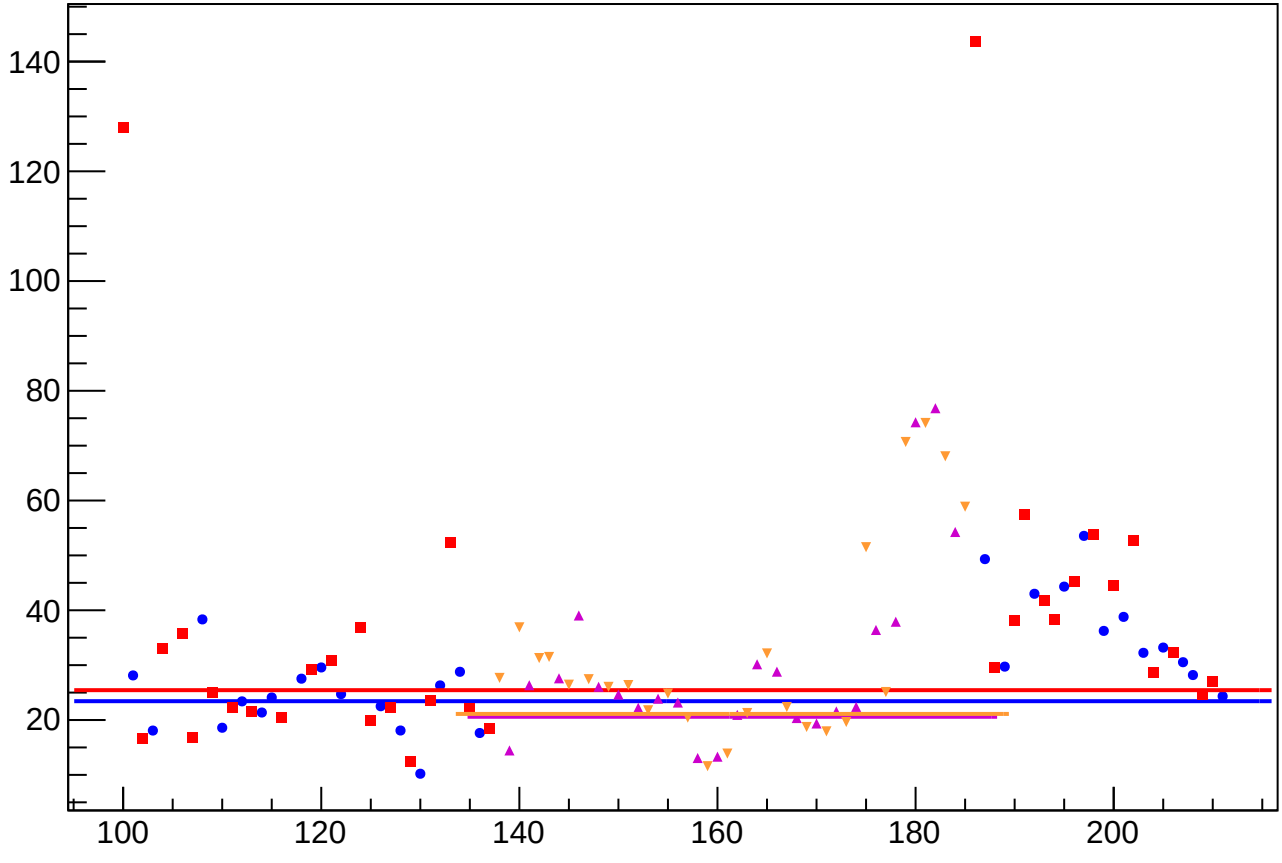
Right: -0.006+/-0.005 χ^2/NDF: 77.0/60

In: -0.003+/-0.004 χ^2/NDF:56.3/50

Out: -0.002+/-0.004 χ^2/NDF:79.6/57

All: -0.003+/-0.003 χ^2/NDF: 135.9/108

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.431+/-0.005 χ^2/NDF: 4298994.8/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.439+/-0.005 χ^2/NDF: 4547125.1/32

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

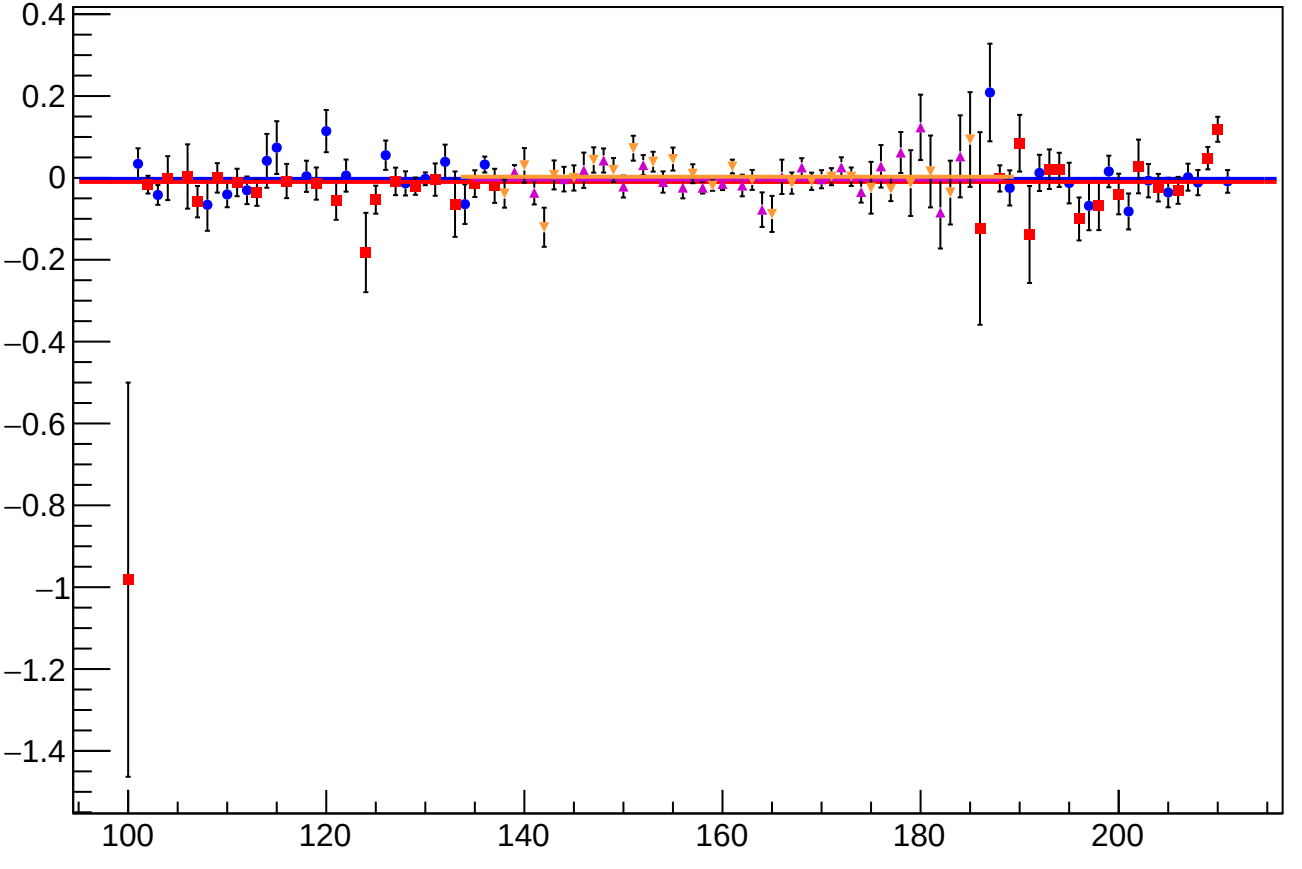
Right: 24.385+/-0.003 χ^2/NDF: 8938271.6/60

In: 21.771+/-0.003 χ^2/NDF:9125234.1/50

Out: 22.811+/-0.003 χ^2/NDF:10589472.4/57

All: 22.279+/-0.002 χ^2/NDF: 19775884.9/108

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/27

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.010+/-0.007 χ^2/NDF: 44.7/32

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

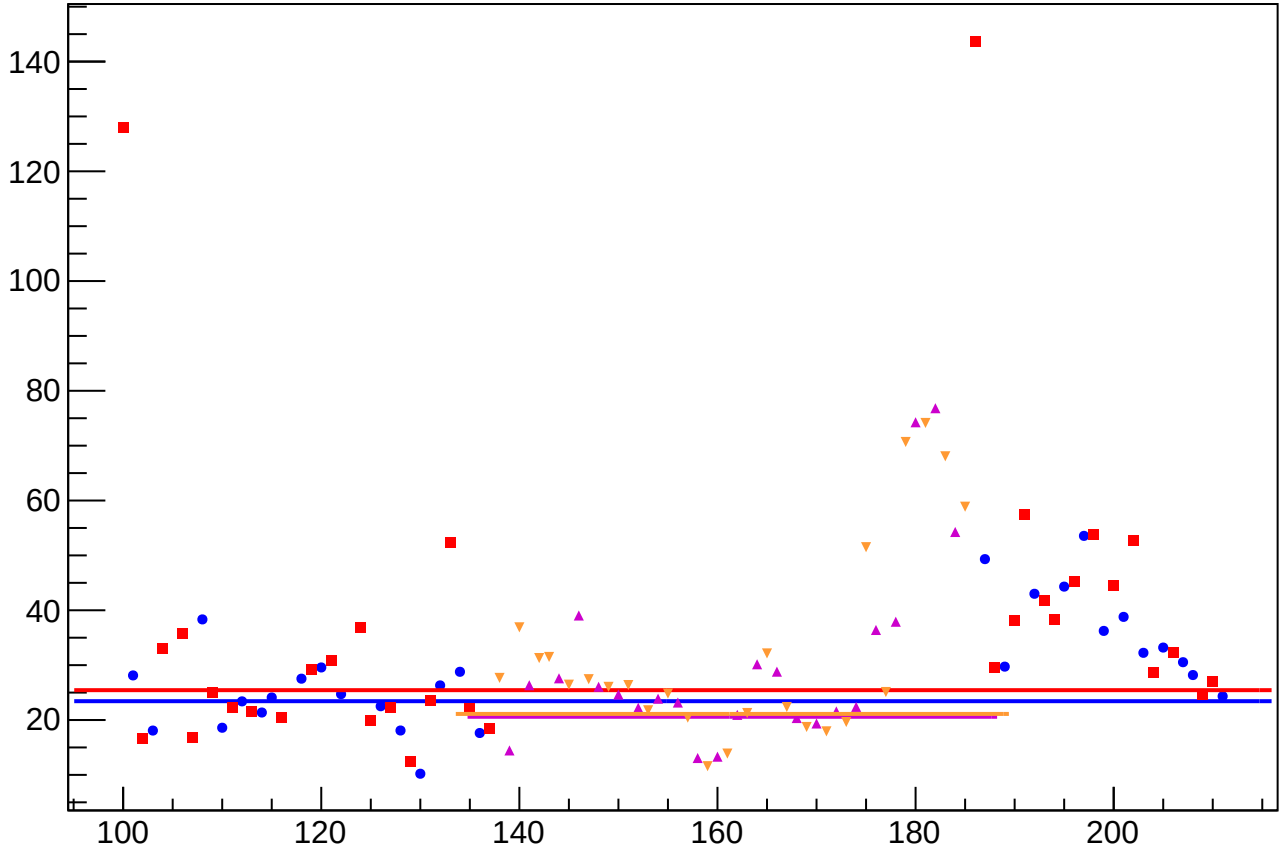
Right: -0.006+/-0.005 χ^2/NDF: 77.0/60

In: -0.003+/-0.004 χ^2/NDF:56.3/50

Out: -0.002+/-0.004 χ^2/NDF:79.6/57

All: -0.003+/-0.003 χ^2/NDF: 135.9/108

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.431+/-0.005 χ^2/NDF: 4298994.8/27

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.439+/-0.005 χ^2/NDF: 4547125.1/32

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

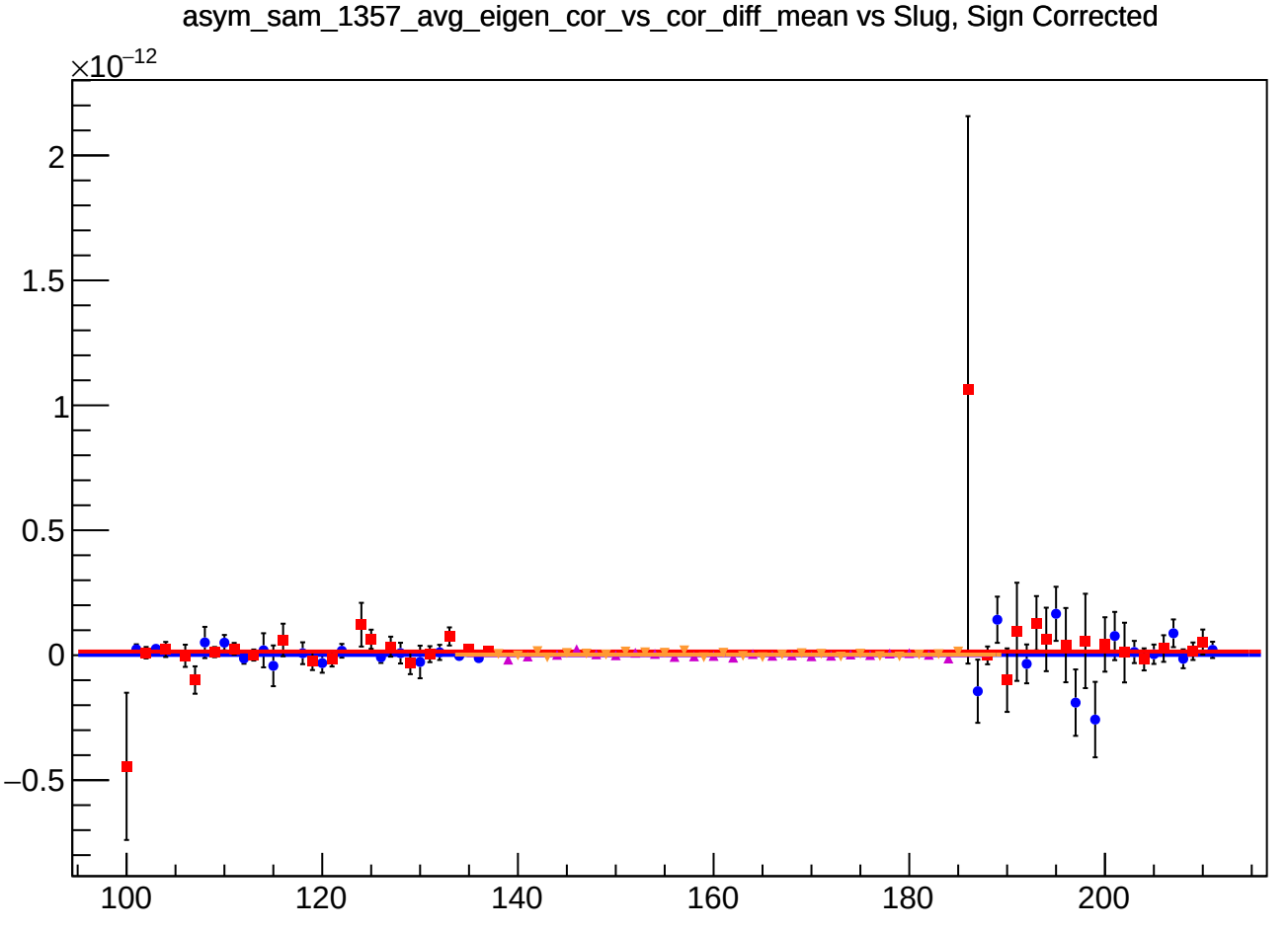
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.385+/-0.003 χ^2/NDF: 8938271.6/60

In: 21.771+/-0.003 χ^2/NDF:9125234.1/50

Out: 22.811+/-0.003 χ^2/NDF:10589472.4/57

All: 22.279+/-0.002 χ^2/NDF: 19775884.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/32

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

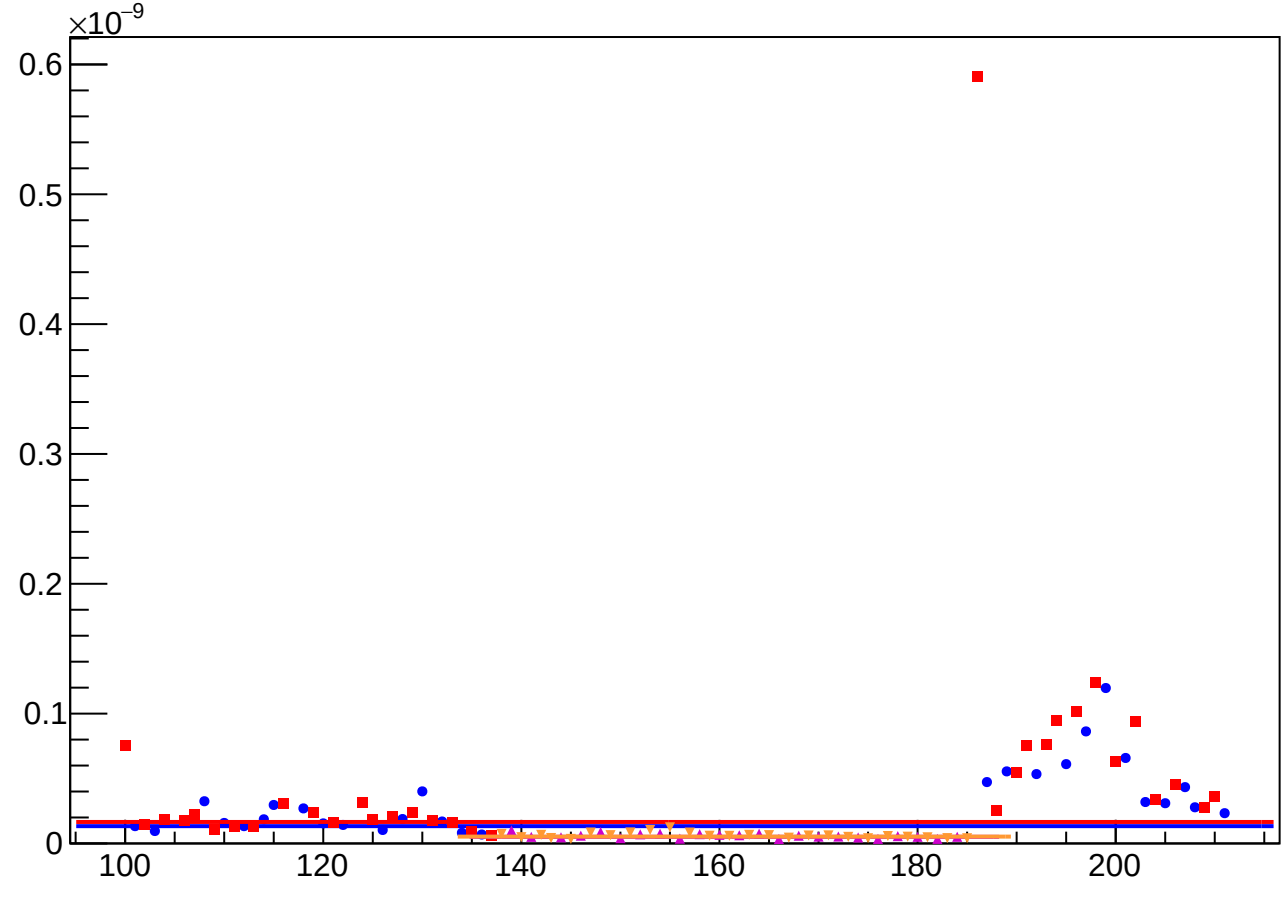
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 50.5/60

In: 0.000+/-0.000 χ^2/NDF:46.8/50

Out: 0.000+/-0.000 χ^2/NDF:46.6/57

All: 0.000+/-0.000 χ^2/NDF: 94.9/108



Right In: 0.000+/-0.000 χ^2/NDF: 7776370.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8147374.0/32

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

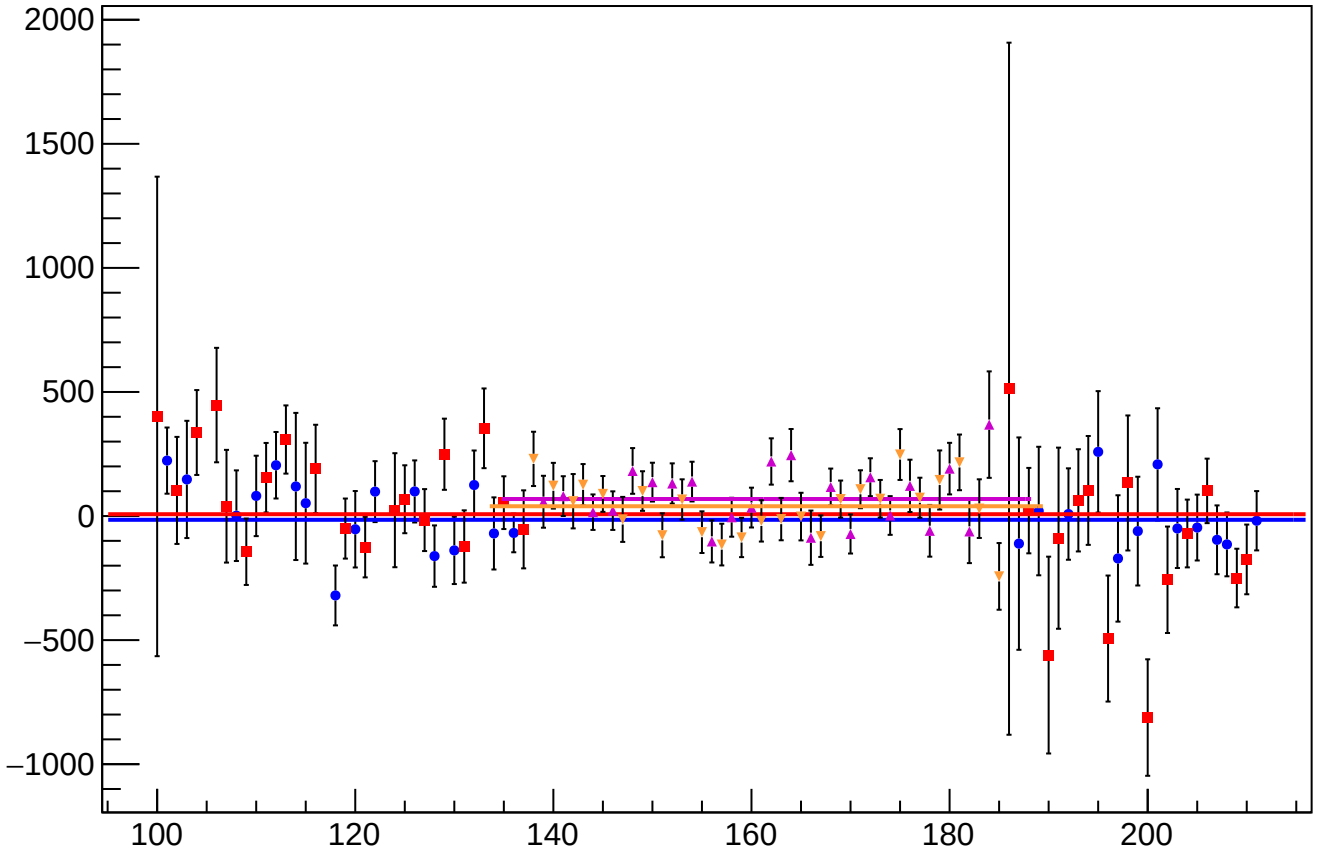
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16242318.9/60

In: 0.000+/-0.000 χ^2/NDF:13940482.2/50

Out: 0.000+/-0.000 χ^2/NDF:16609970.3/57

All: 0.000+/-0.000 χ^2/NDF: 30570441.6/108



Right In: -15.169+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 7.345+/-28.649 χ^2/NDF: 53.8/32

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

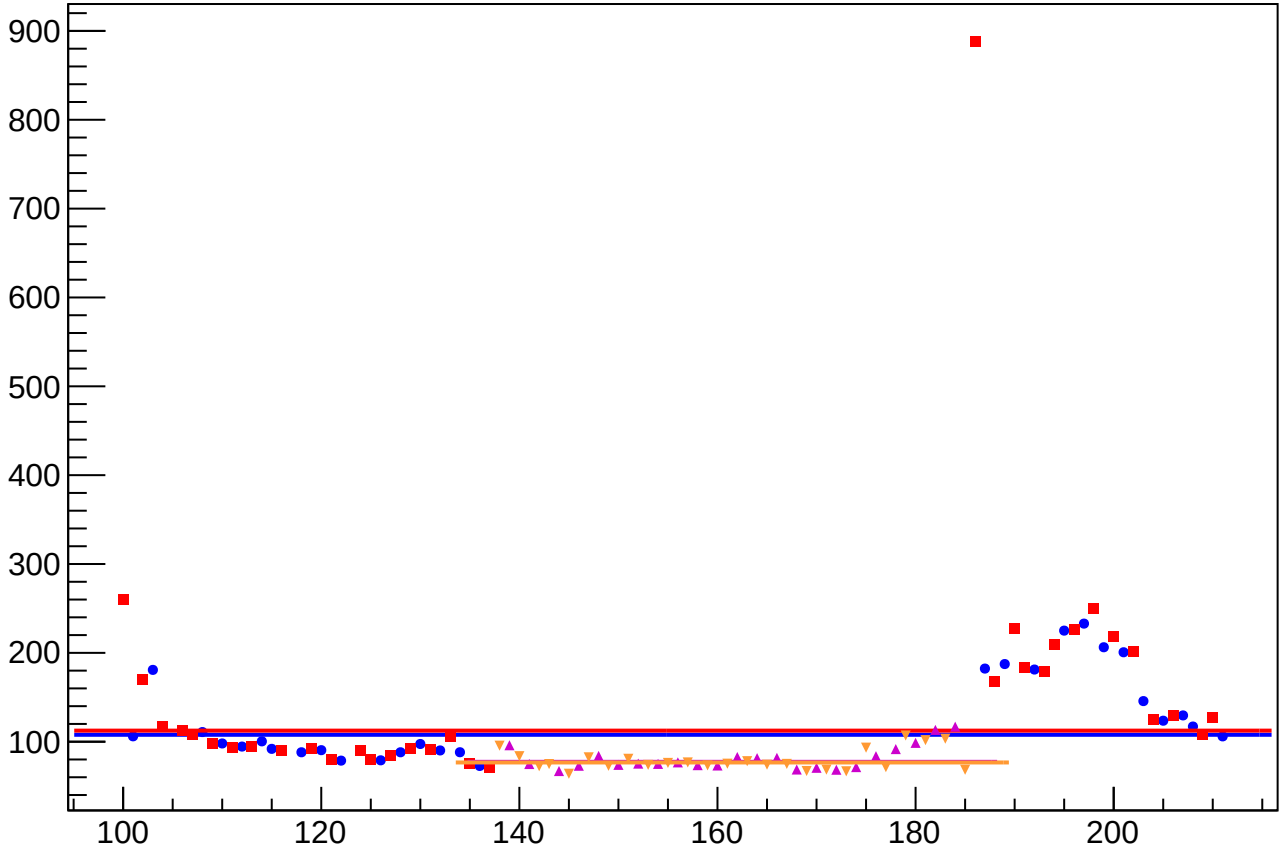
Right: -4.064+/-20.121 χ^2/NDF: 76.9/60

In: 43.839+/-15.372 χ^2/NDF:58.0/50

Out: 30.625+/-15.037 χ^2/NDF:86.7/57

All: 37.087+/-10.749 χ^2/NDF: 145.0/108

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.796+/-0.020 χ^2/NDF: 3514485.3/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 112.473+/-0.020 χ^2/NDF: 4633231.4/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

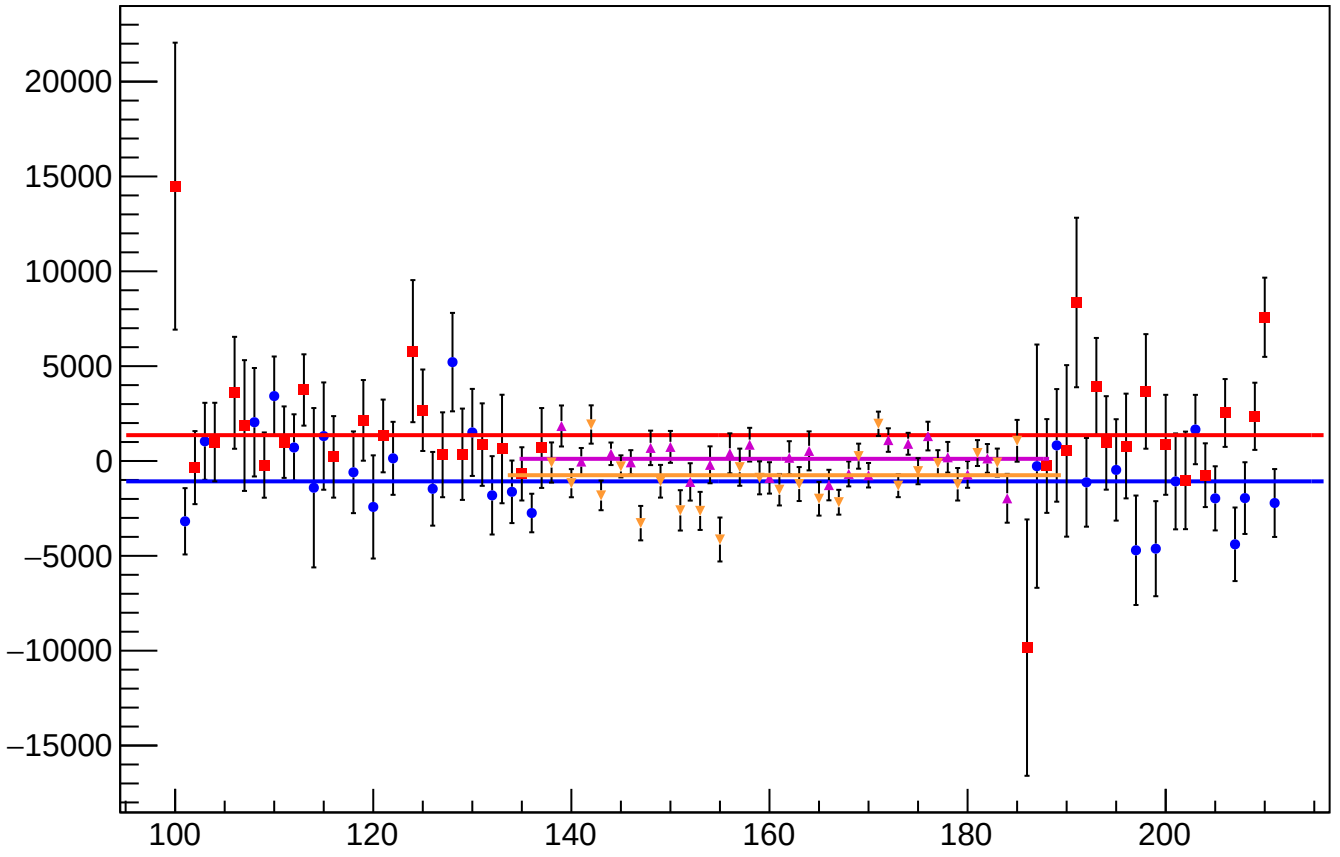
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 110.103+/-0.014 χ^2/NDF: 8174734.4/60

In: 86.353+/-0.011 χ^2/NDF:5739242.9/50

Out: 86.517+/-0.011 χ^2/NDF:7553947.3/57

All: 86.437+/-0.008 χ^2/NDF: 13293305.7/108



Right In: -1073.539+/-388.397 χ^2/NDF: 31.1/27

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1361.909+/-394.893 χ^2/NDF: 31.2/32

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

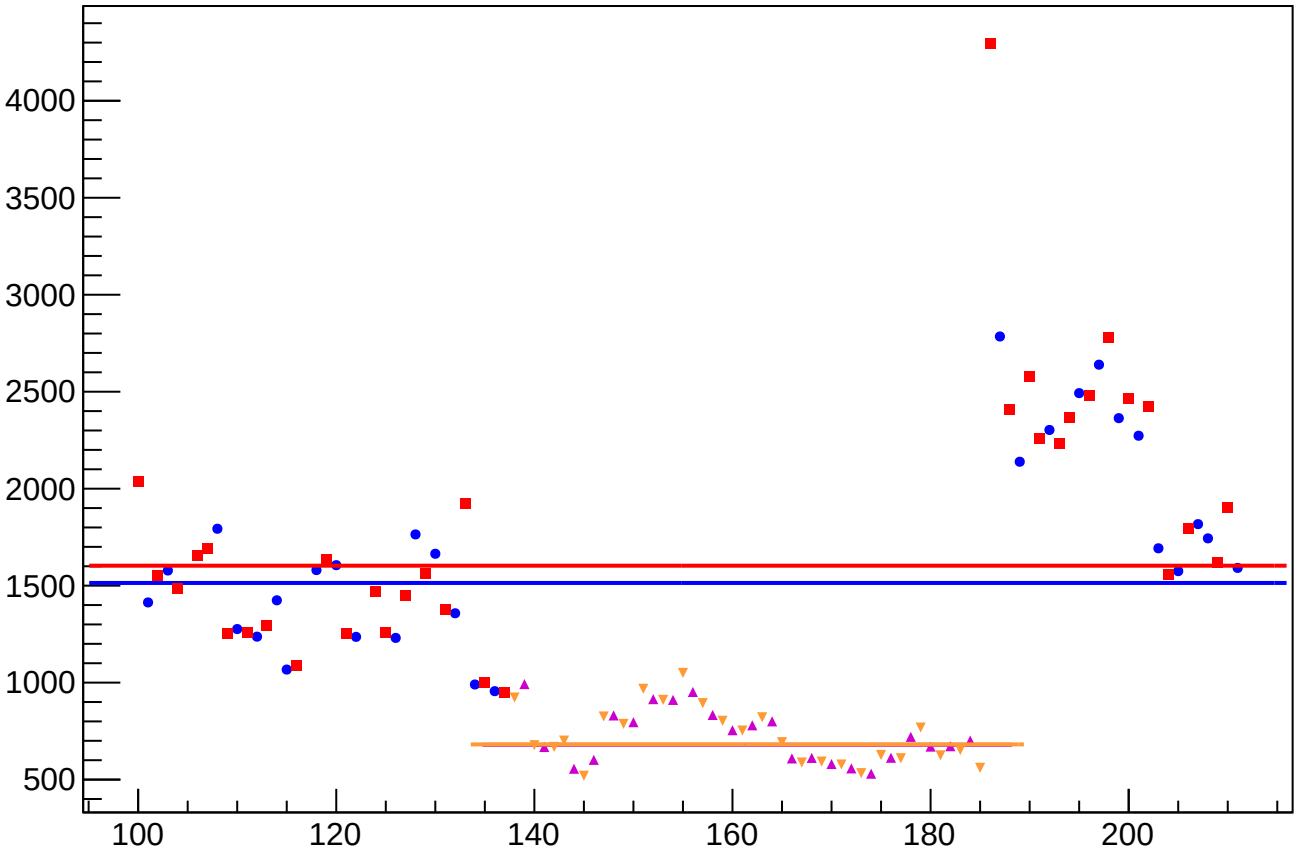
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

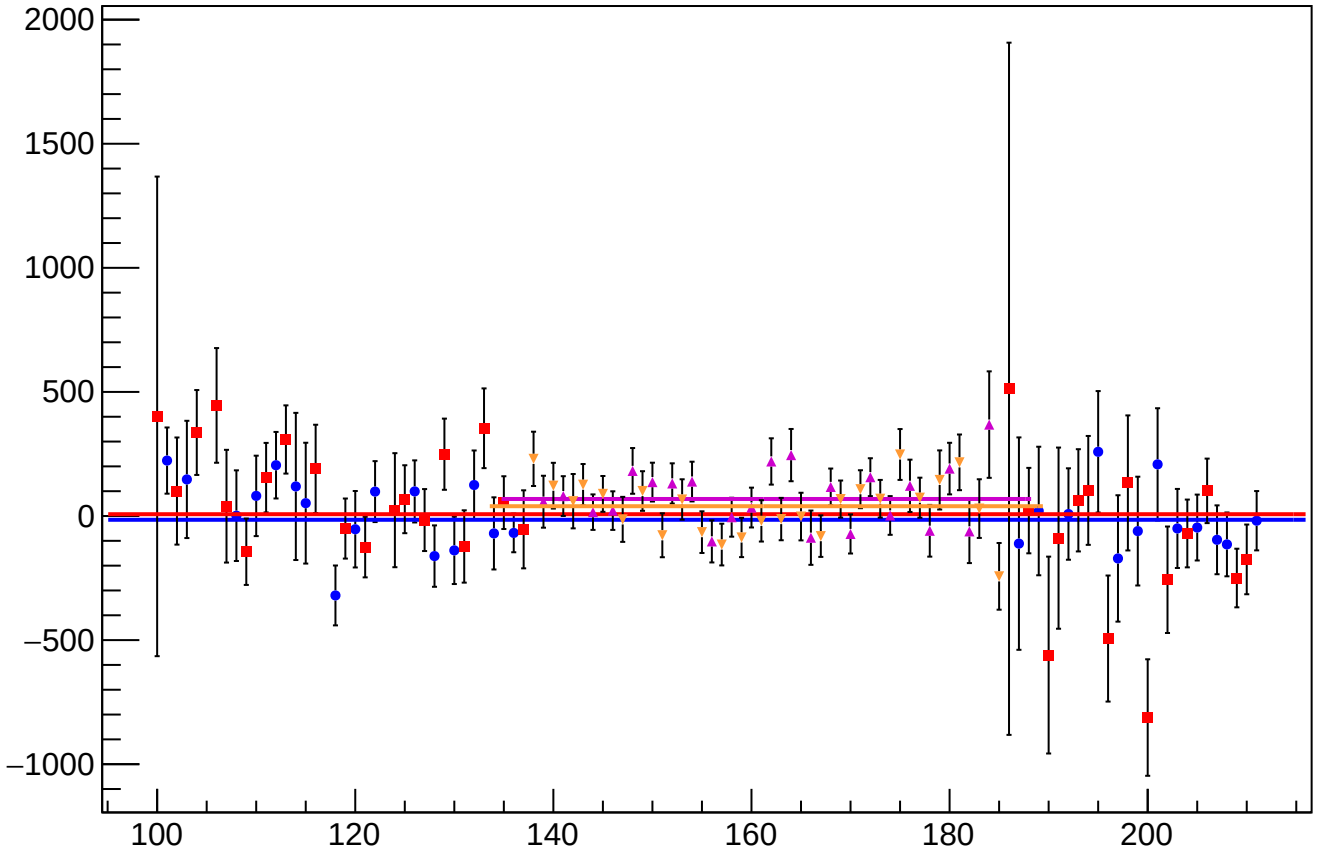
Right: 123.988+/-276.906 χ^2/NDF: 81.6/60

In: -61.800+/-149.365 χ^2/NDF:64.1/50

Out: -457.999+/-146.759 χ^2/NDF:125.9/57

All: -263.387+/-104.683 χ^2/NDF: 193.5/108


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1513.891+/-0.275 χ²/NDF: 2568399.5/27
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1602.927+/-0.279 χ²/NDF: 3042092.2/32
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1557.671+/-0.196 χ²/NDF: 5662171.5/60
In: 802.827+/-0.106 χ²/NDF:11620548.9/50
Out: 808.702+/-0.104 χ²/NDF:13762970.0/57
All: 805.816+/-0.074 χ²/NDF: 25385093.1/10



Right In: -15.179+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 7.247+/-28.650 χ^2/NDF: 53.8/32

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

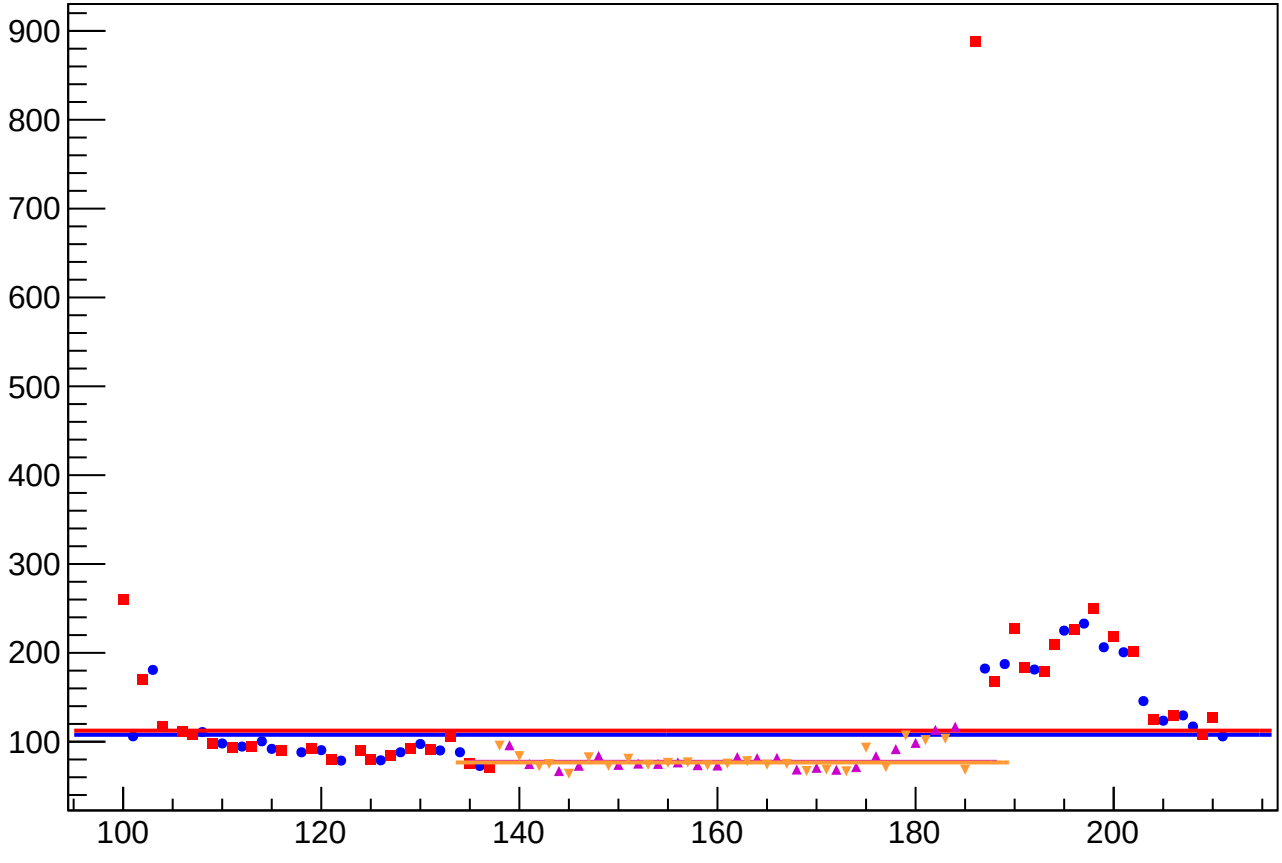
Right: -4.118+/-20.121 χ^2/NDF: 76.9/60

In: 43.836+/-15.372 χ^2/NDF:57.9/50

Out: 30.604+/-15.037 χ^2/NDF:86.7/57

All: 37.074+/-10.749 χ^2/NDF: 145.0/108

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.796+/-0.020 χ^2/NDF: 3514488.8/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.454+/-0.020 χ^2/NDF: 4633514.3/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

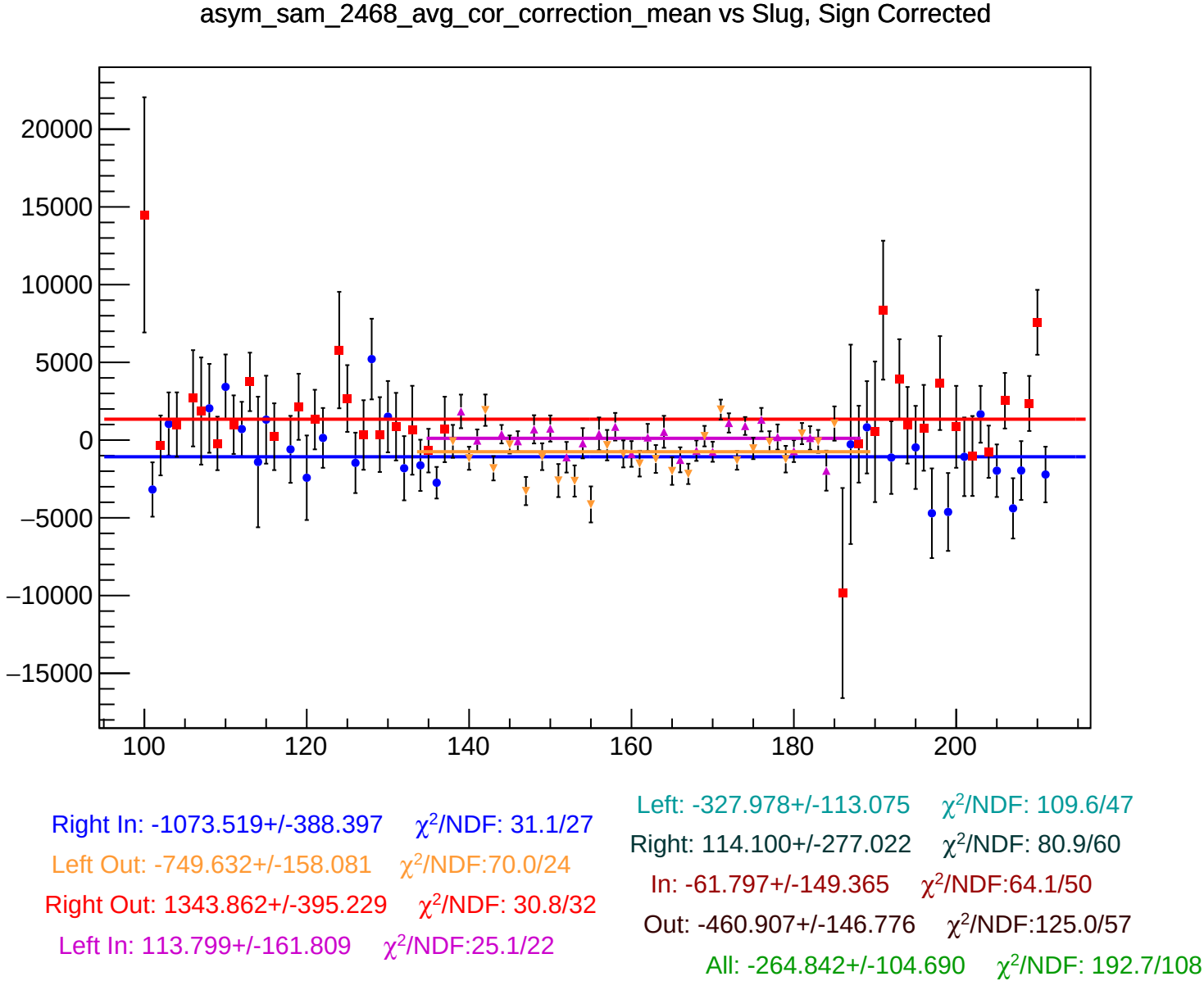
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

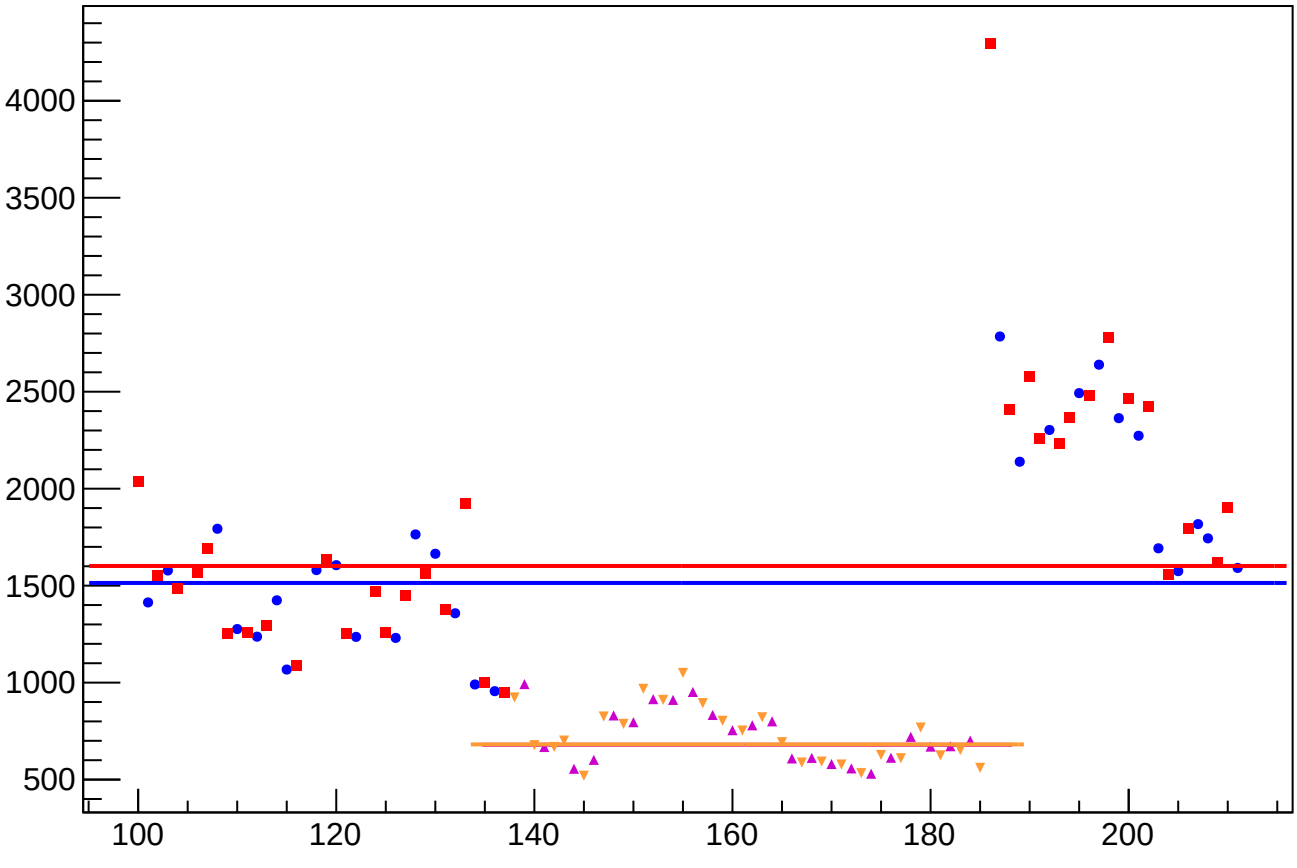
Right: 110.093+/-0.014 χ^2/NDF: 8174790.1/60

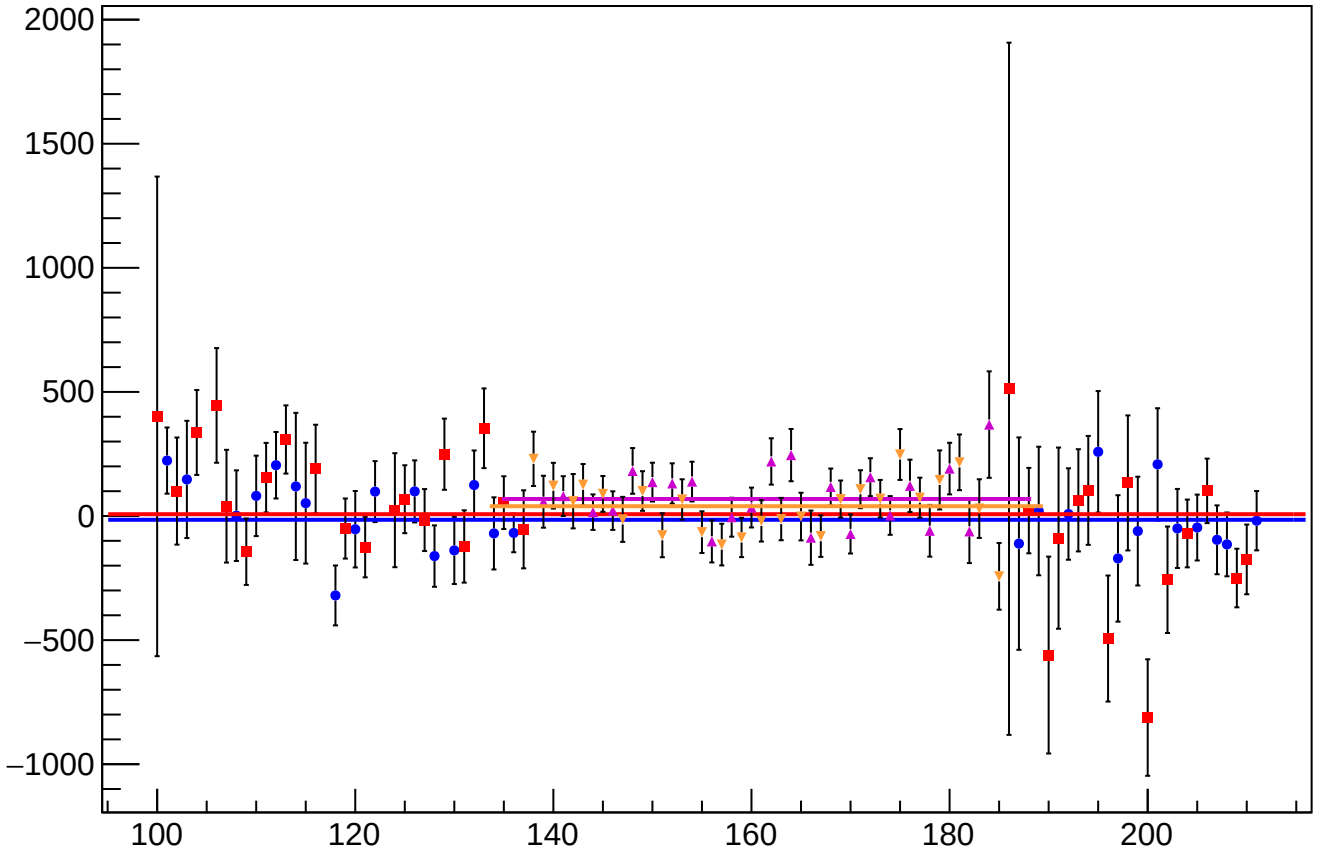
In: 86.353+/-0.011 χ^2/NDF:5739246.5/50

Out: 86.510+/-0.011 χ^2/NDF:7551587.3/57

All: 86.434+/-0.008 χ^2/NDF: 13290941.0/108


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1073.519+/-388.397 χ²/NDF: 31.1/27
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1343.862+/-395.229 χ²/NDF: 30.8/32
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 114.100+/-277.022 χ²/NDF: 80.9/60
In: -61.797+/-149.365 χ²/NDF:64.1/50
Out: -460.907+/-146.776 χ²/NDF:125.0/57
All: -264.842+/-104.690 χ²/NDF: 192.7/108


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1513.894+/-0.275 χ²/NDF: 2568410.7/27
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1601.479+/-0.279 χ²/NDF: 3041626.7/32
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1556.923+/-0.196 χ²/NDF: 5660002.5/60
In: 802.827+/-0.106 χ²/NDF:11620582.7/50
Out: 808.316+/-0.104 χ²/NDF:13719328.0/57
All: 805.620+/-0.074 χ²/NDF: 25341284.4/10



Right In: -15.179+/-28.266 χ^2/NDF: 22.8/27

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 7.247+/-28.650 χ^2/NDF: 53.8/32

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

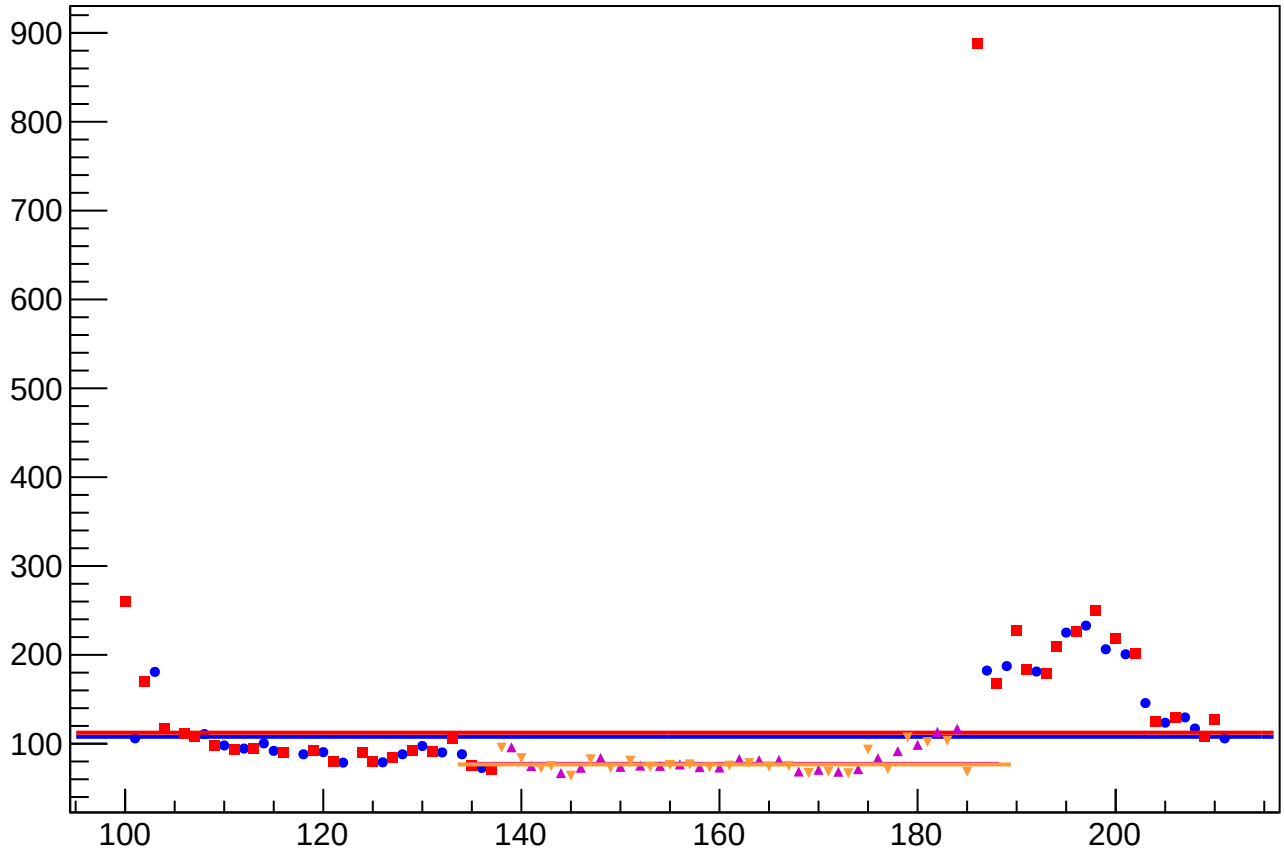
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -4.118+/-20.121 χ^2/NDF: 76.9/60

In: 43.836+/-15.372 χ^2/NDF:57.9/50

Out: 30.604+/-15.037 χ^2/NDF:86.7/57

All: 37.074+/-10.749 χ^2/NDF: 145.0/108



Right In: 107.796+/-0.020 χ^2/NDF: 3514488.8/27

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.454+/-0.020 χ^2/NDF: 4633514.3/32

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

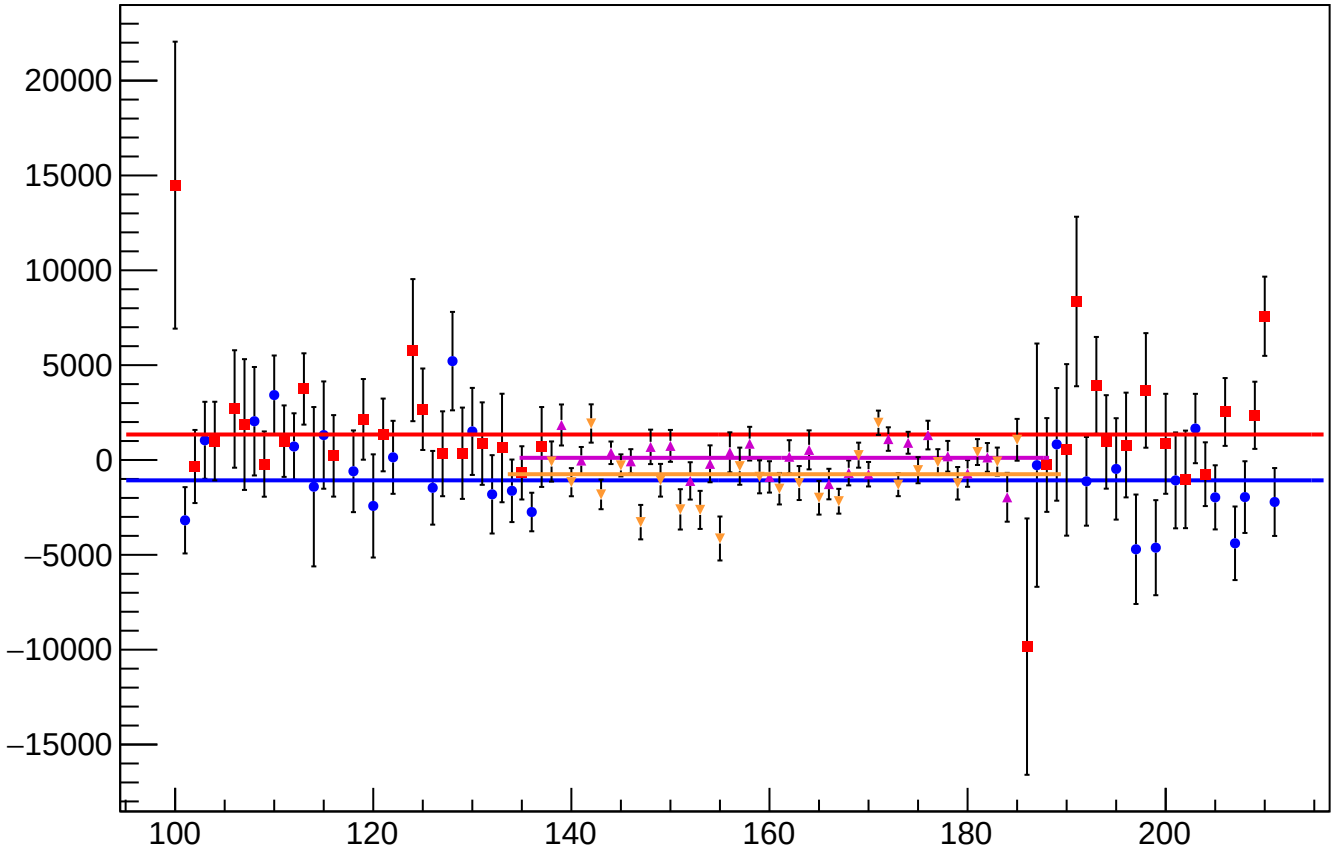
Right: 110.093+/-0.014 χ^2/NDF: 8174790.1/60

In: 86.353+/-0.011 χ^2/NDF:5739246.5/50

Out: 86.510+/-0.011 χ^2/NDF:7551587.3/57

All: 86.434+/-0.008 χ^2/NDF: 13290941.0/108

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1073.519+/-388.397 χ^2/NDF: 31.1/27

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1343.862+/-395.229 χ^2/NDF: 30.8/32

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

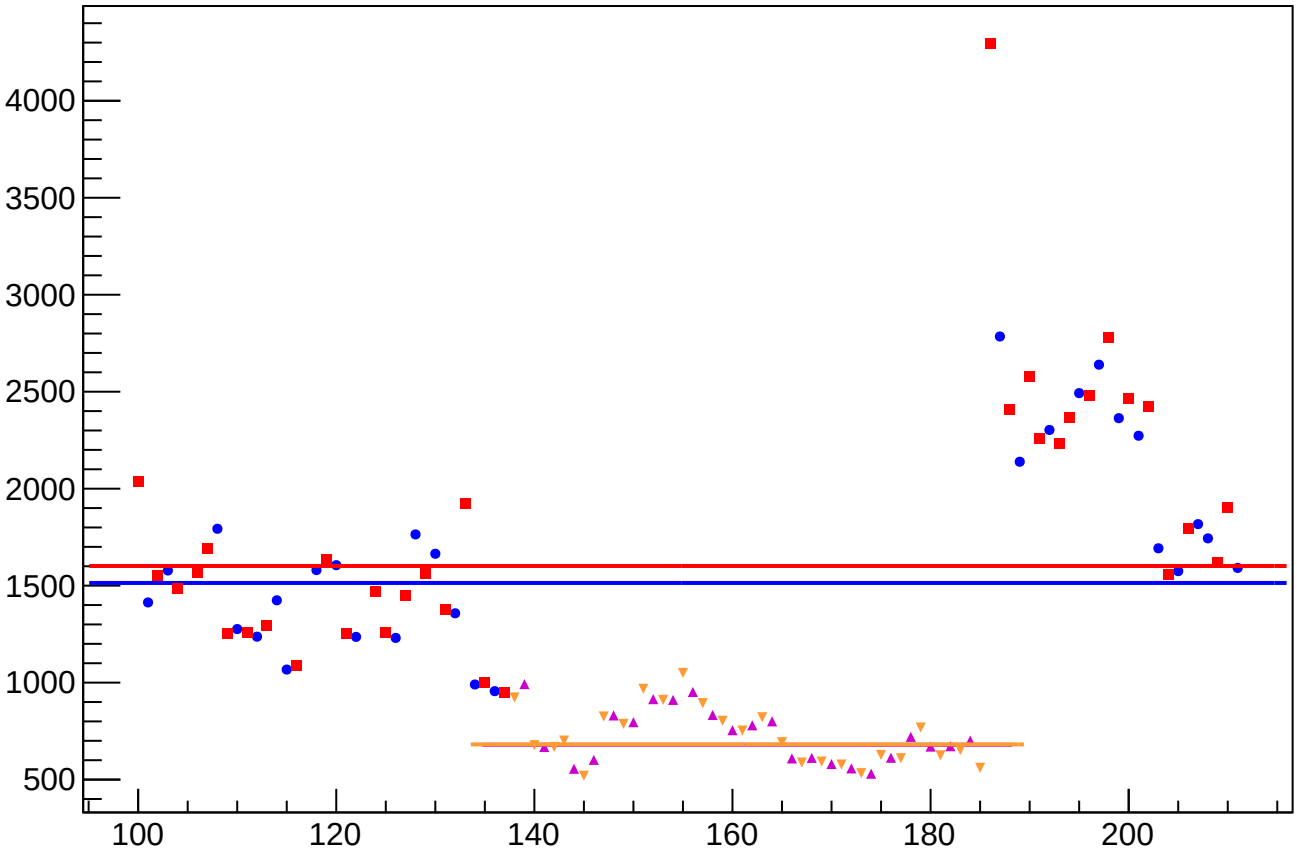
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 114.100+/-277.022 χ^2/NDF: 80.9/60

In: -61.797+/-149.365 χ^2/NDF:64.1/50

Out: -460.907+/-146.776 χ^2/NDF:125.0/57

All: -264.842+/-104.690 χ^2/NDF: 192.7/108



Right In: 1513.894+/-0.275 χ^2/NDF: 2568410.7/27

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1601.479+/-0.279 χ^2/NDF: 3041626.7/32

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

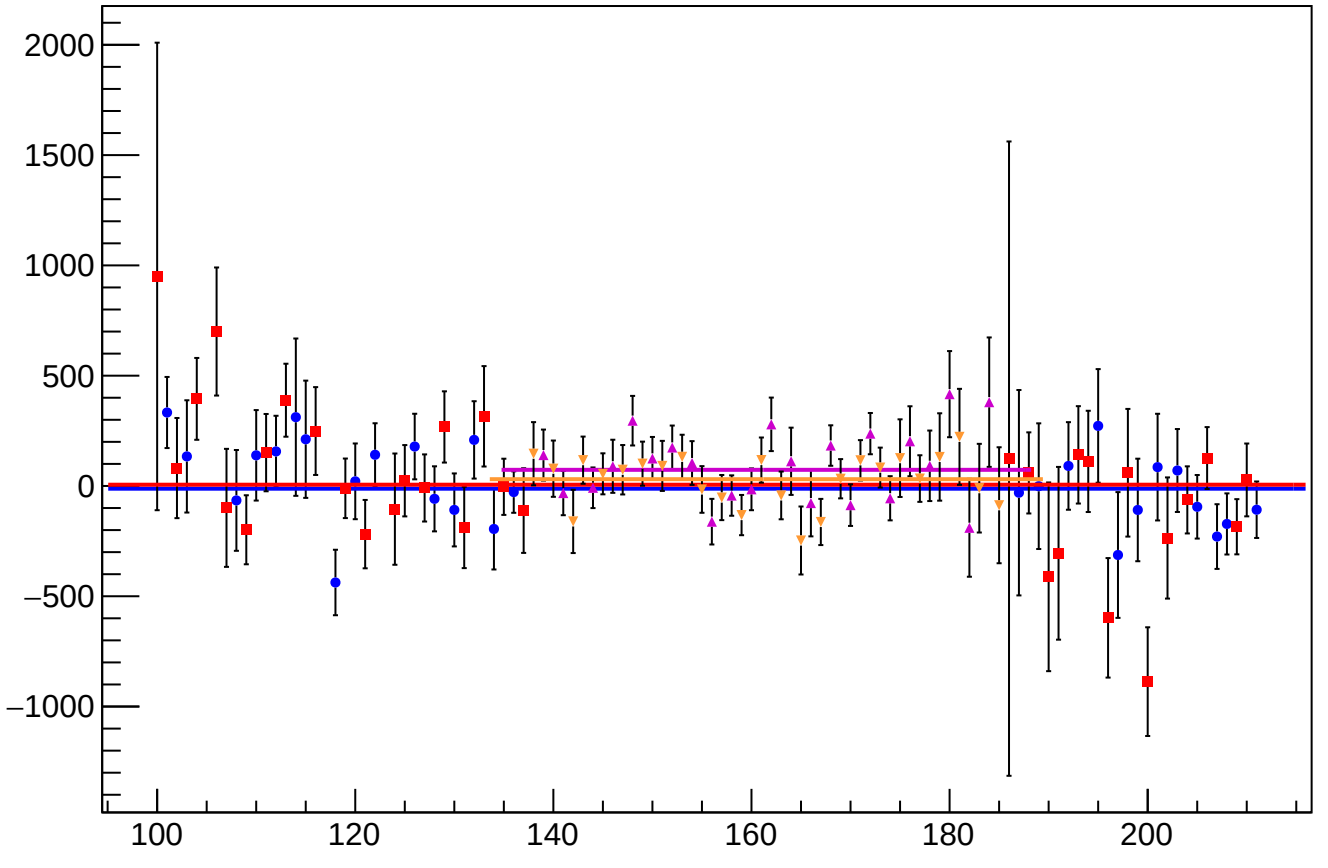
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1556.923+/-0.196 χ^2/NDF: 5660002.5/60

In: 802.827+/-0.106 χ^2/NDF:11620582.7/50

Out: 808.316+/-0.104 χ^2/NDF:13719328.0/57

All: 805.620+/-0.074 χ^2/NDF: 25341284.4/10



Right In: -12.340+/-32.793 χ^2/NDF: 29.8/27

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 5.667+/-33.127 χ^2/NDF: 53.2/32

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

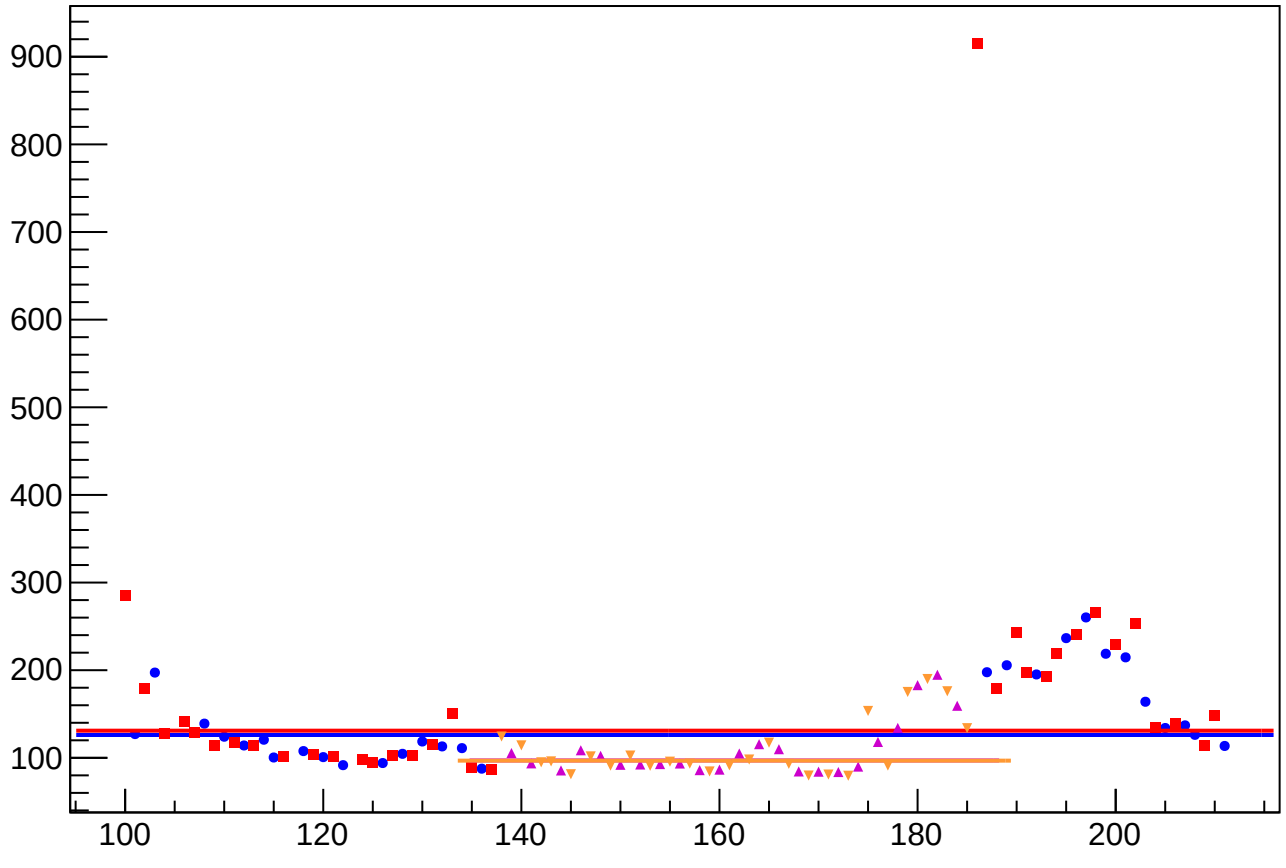
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -3.428+/-23.305 χ^2/NDF: 83.1/60

In: 44.124+/-19.107 χ^2/NDF:68.8/50

Out: 22.616+/-18.813 χ^2/NDF:73.5/57

All: 33.203+/-13.405 χ^2/NDF: 142.9/108



Right In: 126.072+/-0.023 χ^2/NDF: 2842333.9/27

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.992+/-0.023 χ^2/NDF: 3934189.0/32

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

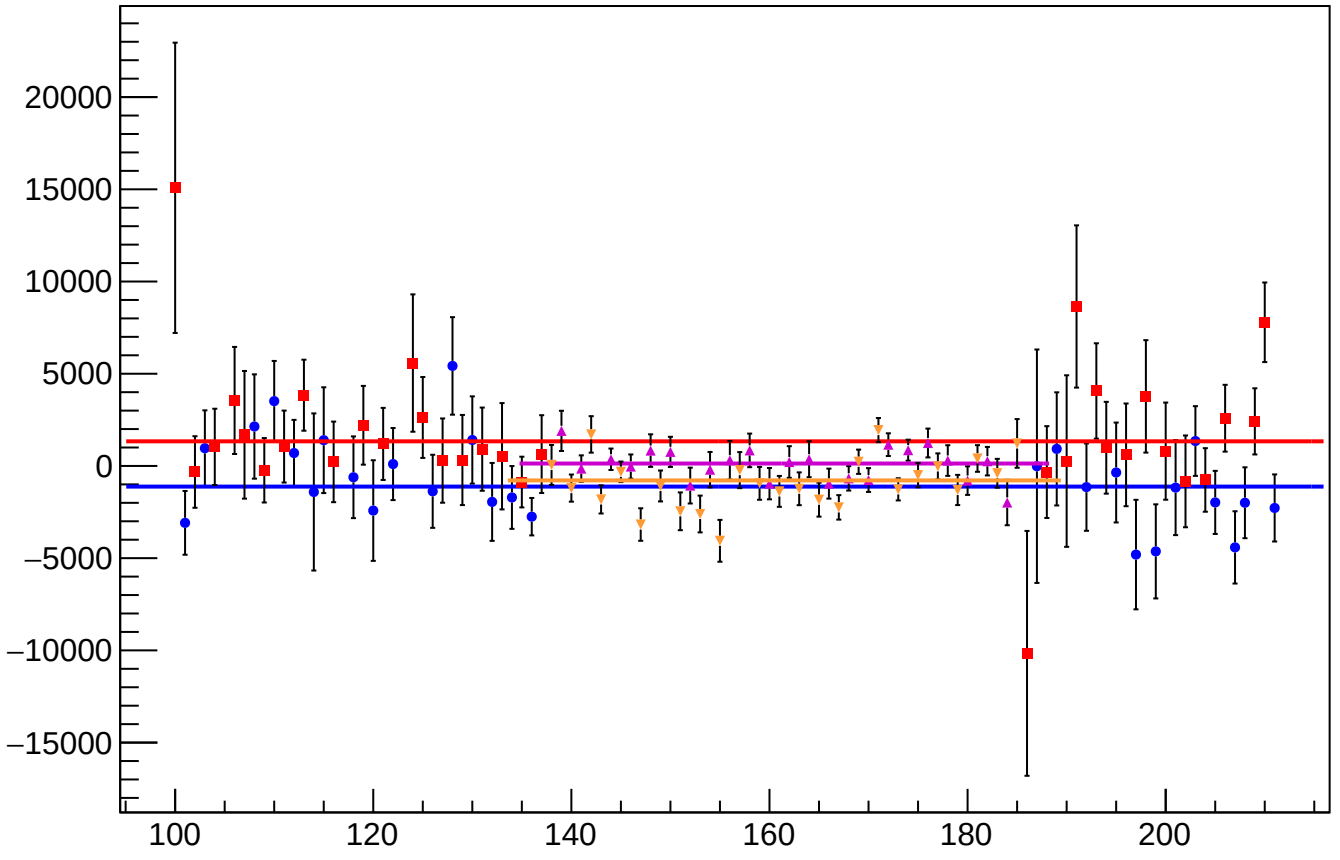
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 128.507+/-0.016 χ^2/NDF: 6798809.9/60

In: 106.881+/-0.014 χ^2/NDF:5200552.9/50

Out: 107.823+/-0.013 χ^2/NDF:7098634.9/57

All: 107.359+/-0.009 χ^2/NDF: 12301659.9/10



Right In: -1119.170+/-394.406 χ^2/NDF: 30.2/27

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1334.934+/-399.033 χ^2/NDF: 32.4/32

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

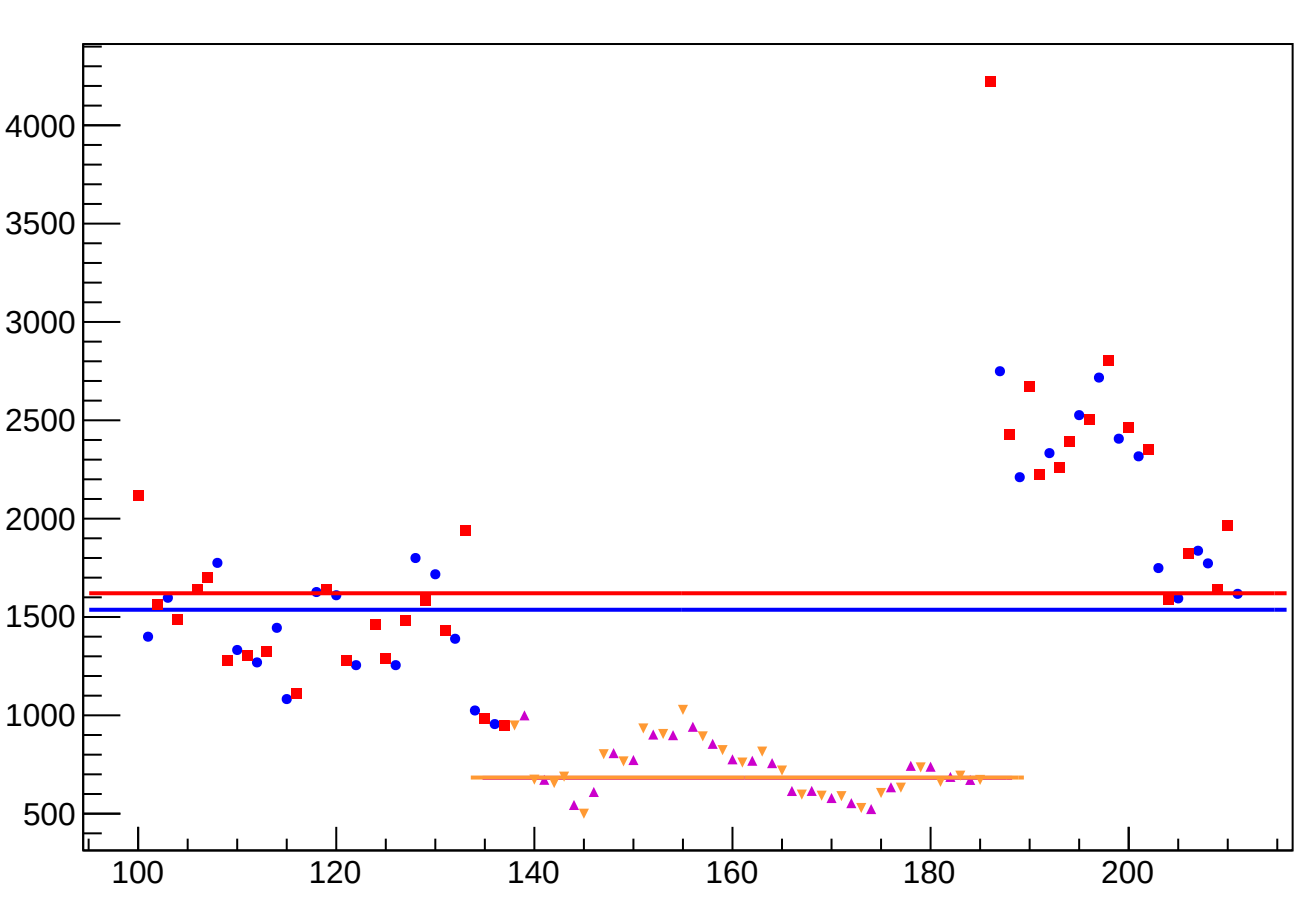
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

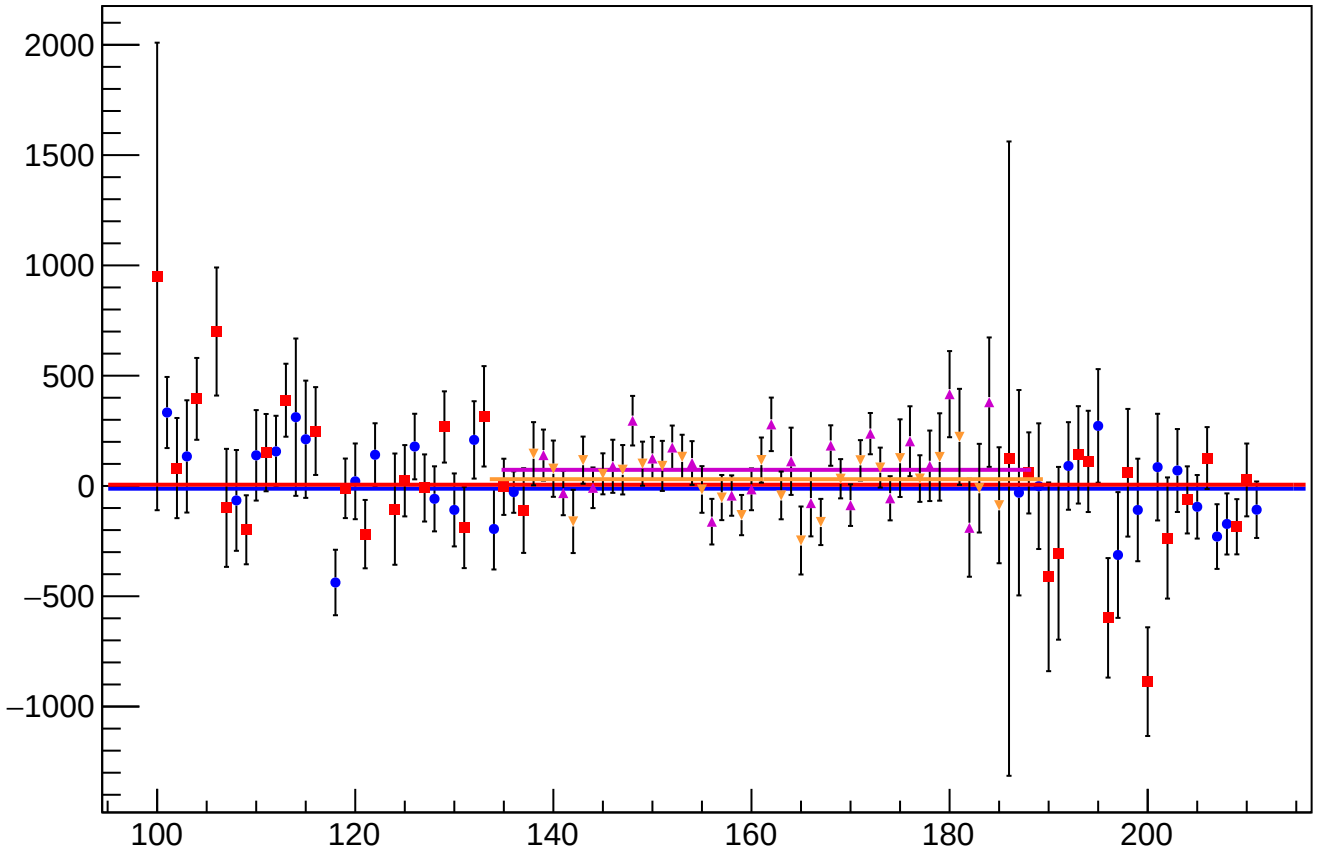
Right: 93.573+/-280.509 χ^2/NDF: 81.7/60

In: -49.926+/-150.176 χ^2/NDF:63.0/50

Out: -495.570+/-147.167 χ^2/NDF:123.0/57

All: -277.256+/-105.110 χ^2/NDF: 190.6/108


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: 1536.766+/-0.279 χ²/NDF: 2609817.4/27
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1620.629+/-0.282 χ²/NDF: 3024117.8/32
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1578.209+/-0.198 χ²/NDF: 5678619.4/60
In: 805.892+/-0.106 χ²/NDF:11828483.7/50
Out: 811.140+/-0.104 χ²/NDF:13848549.0/57
All: 808.569+/-0.074 χ²/NDF: 25678278.7/10



Right In: -12.338+/-32.793 χ^2/NDF: 29.8/27

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 5.666+/-33.127 χ^2/NDF: 53.2/32

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

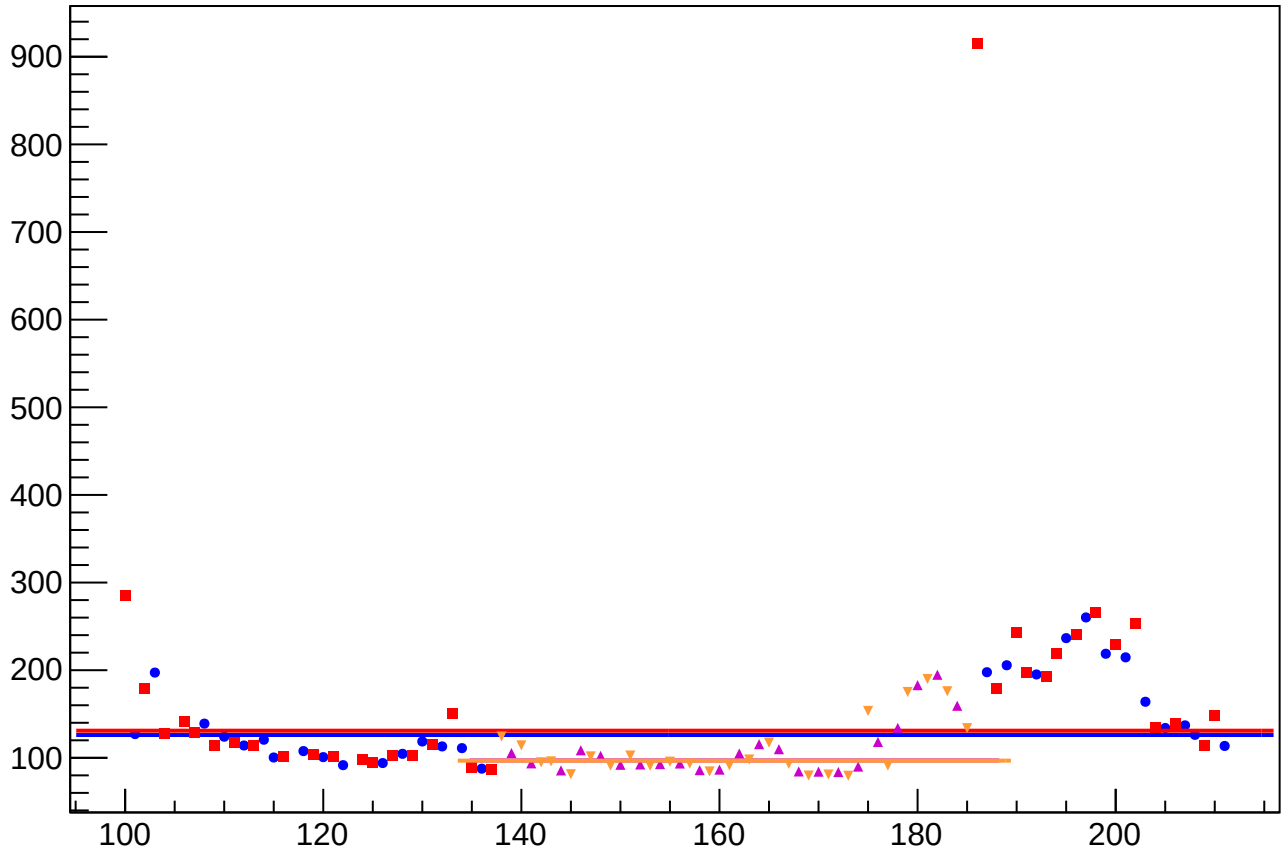
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -3.427+/-23.305 χ^2/NDF: 83.1/60

In: 44.124+/-19.107 χ^2/NDF:68.8/50

Out: 22.616+/-18.813 χ^2/NDF:73.5/57

All: 33.203+/-13.405 χ^2/NDF: 142.9/108



Right In: 126.071+/-0.023 χ^2/NDF: 2842350.1/27

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.992+/-0.023 χ^2/NDF: 3934221.6/32

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

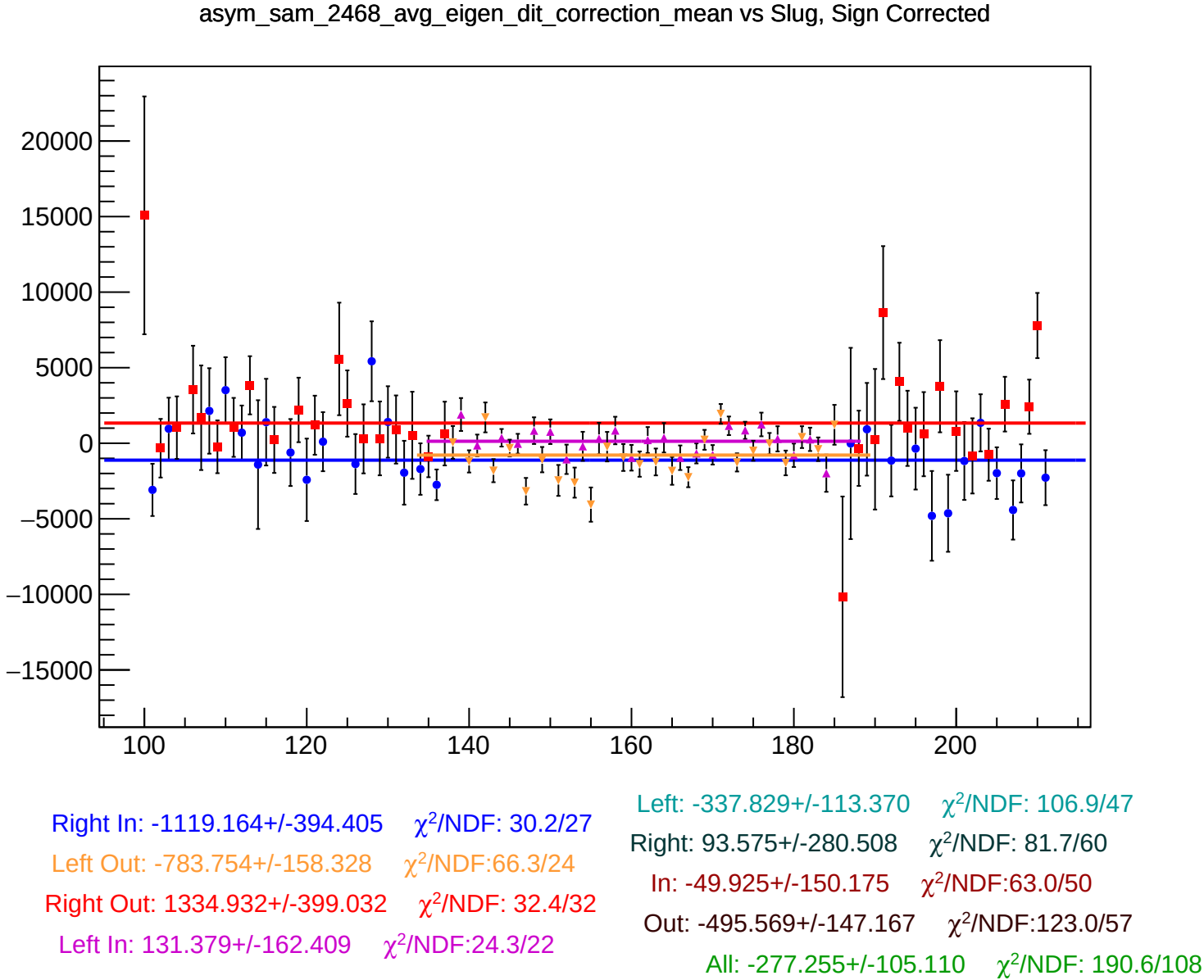
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

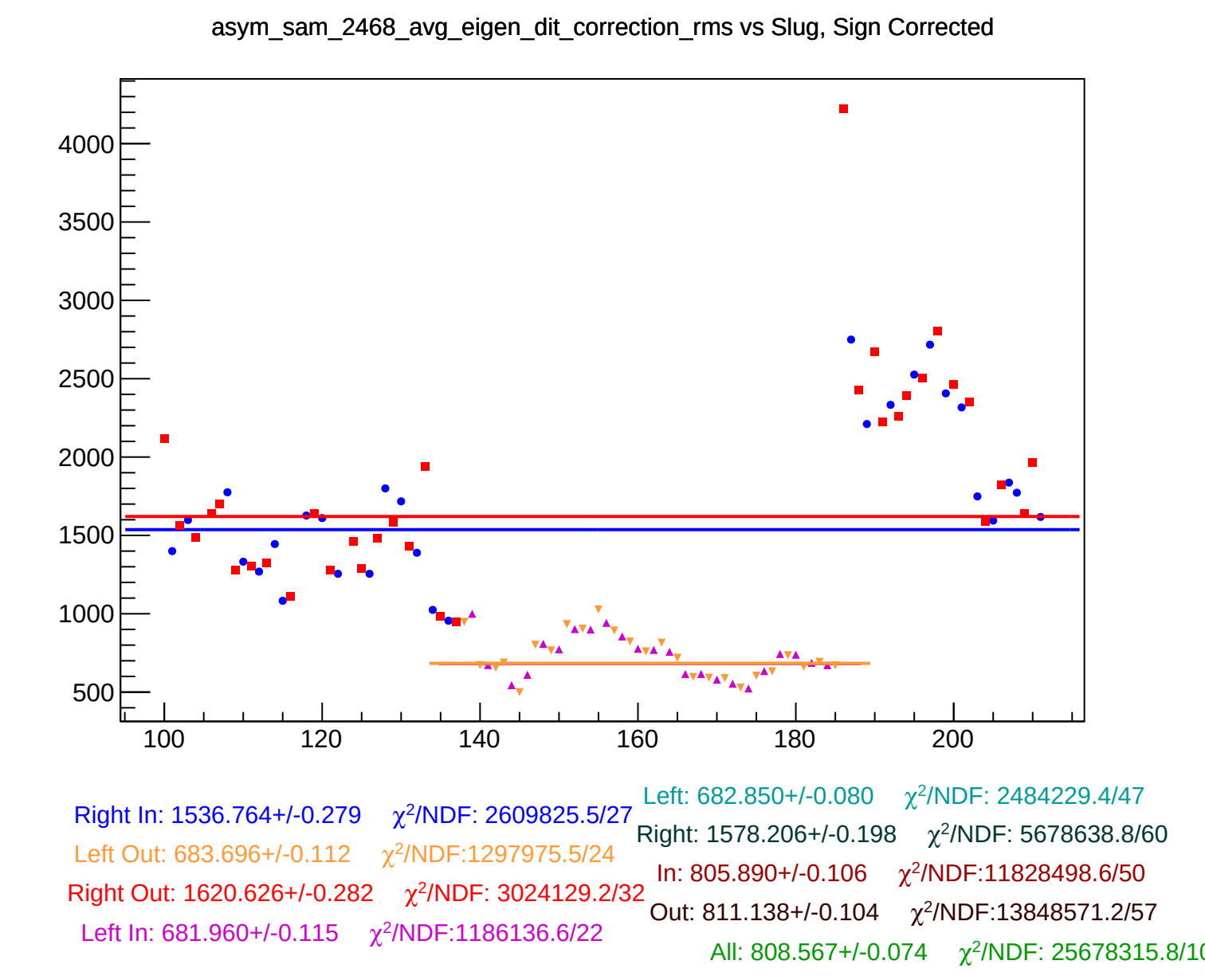
Right: 128.506+/-0.016 χ^2/NDF: 6798859.9/60

In: 106.881+/-0.014 χ^2/NDF:5200491.0/50

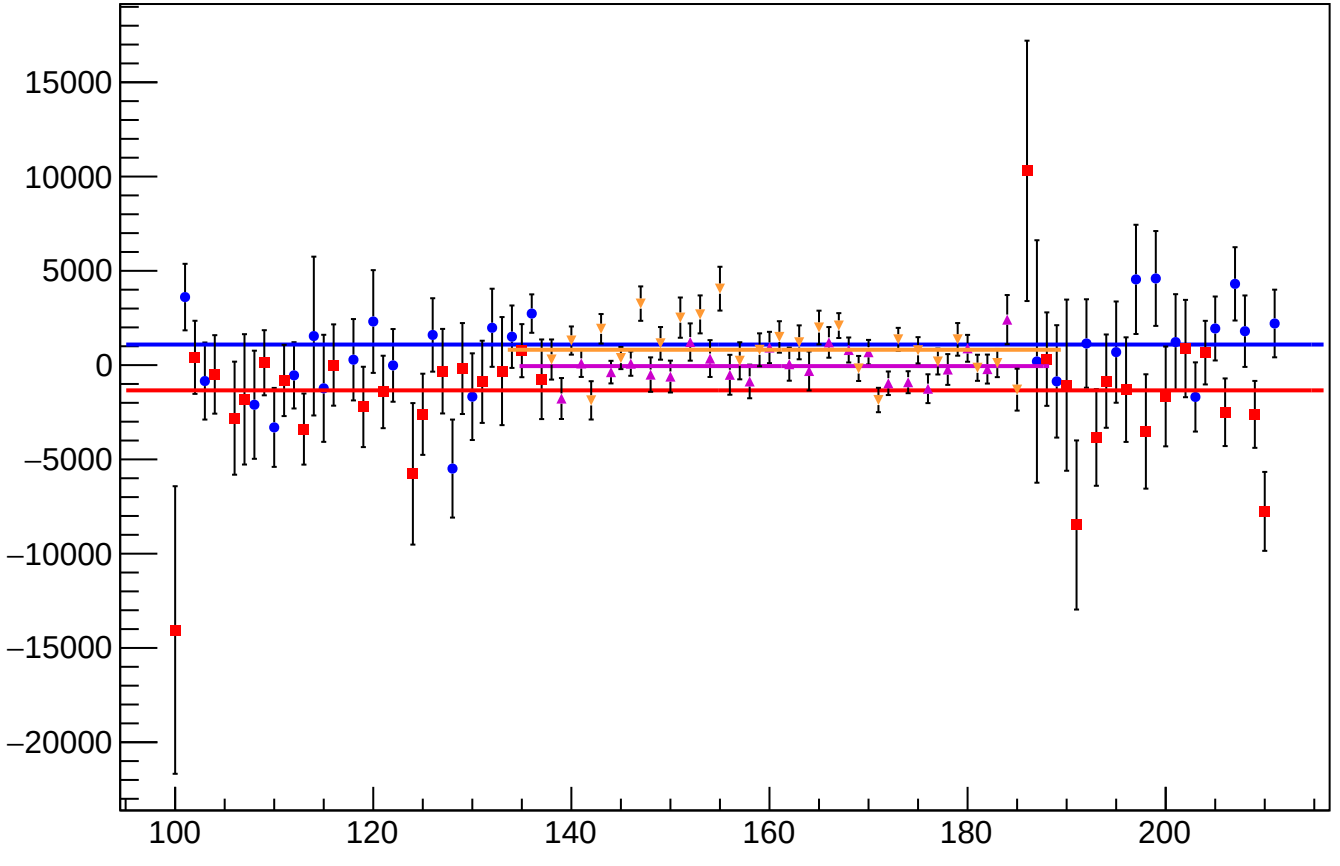
Out: 107.824+/-0.013 χ^2/NDF:7098603.1/57

All: 107.360+/-0.009 χ^2/NDF: 12301566.5/10


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1119.164+/-394.405 χ²/NDF: 30.2/27
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: 1334.932+/-399.032 χ²/NDF: 32.4/32
Left In: 131.379+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.370 χ²/NDF: 106.9/47
Right: 93.575+/-280.508 χ²/NDF: 81.7/60
In: -49.925+/-150.175 χ²/NDF:63.0/50
Out: -495.569+/-147.167 χ²/NDF:123.0/57
All: -277.255+/-105.110 χ²/NDF: 190.6/108


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1536.764+/-0.279 χ²/NDF: 2609825.5/27
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1620.626+/-0.282 χ²/NDF: 3024129.2/32
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
Left: 682.850+/-0.080 χ²/NDF: 2484229.4/47
Right: 1578.206+/-0.198 χ²/NDF: 5678638.8/60
In: 805.890+/-0.106 χ²/NDF:11828498.6/50
Out: 811.138+/-0.104 χ²/NDF:13848571.2/57
All: 808.567+/-0.074 χ²/NDF: 25678315.8/10

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1090.824+/-389.766 χ^2/NDF: 31.2/27

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1339.154+/-396.250 χ^2/NDF: 31.1/32

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

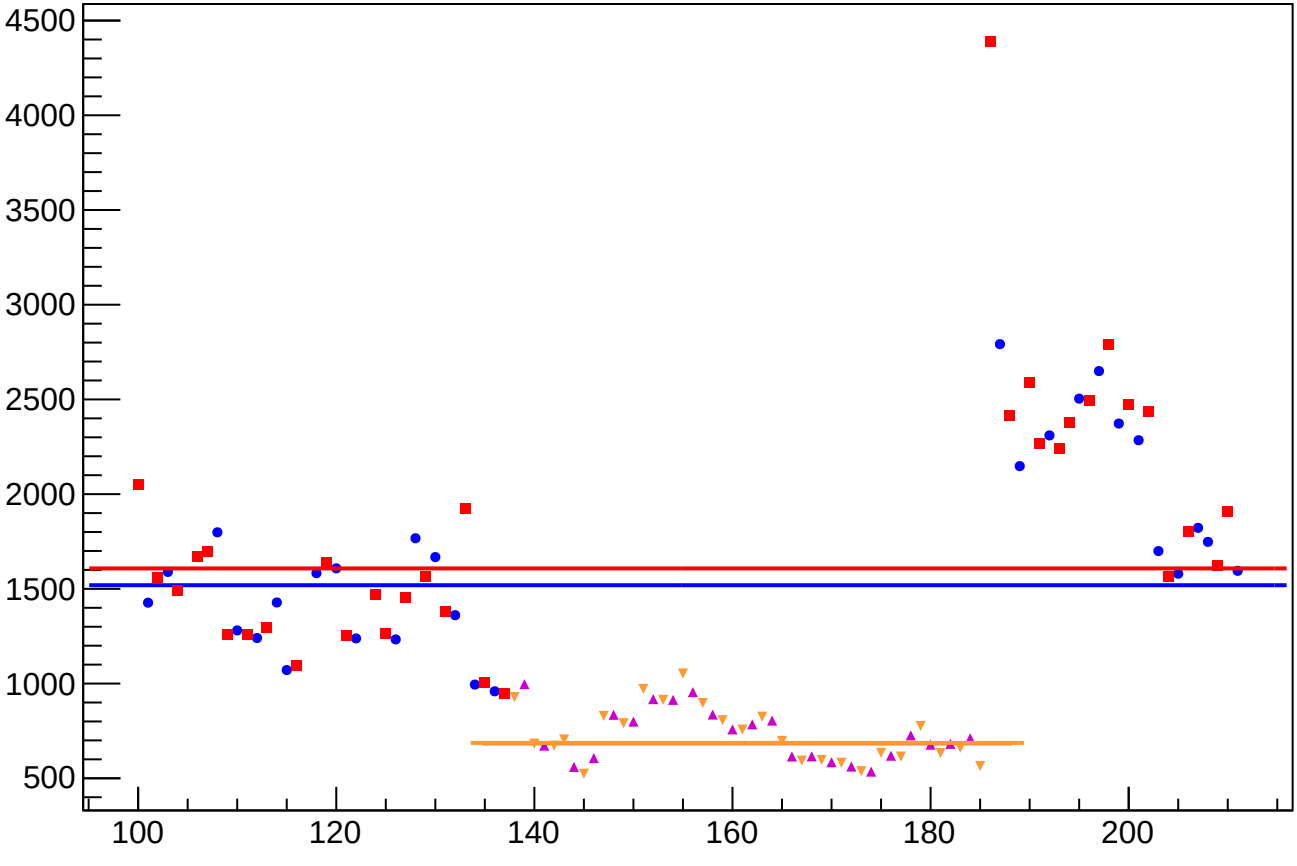
Right: -104.121+/-277.870 χ^2/NDF: 81.4/60

In: 117.934+/-150.408 χ^2/NDF:63.9/50

Out: 514.626+/-147.768 χ^2/NDF:122.3/57

All: 319.792+/-105.409 χ^2/NDF: 189.7/108

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1519.234+/-0.276 χ^2/NDF: 2569299.5/27

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1607.937+/-0.280 χ^2/NDF: 3054095.2/32

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

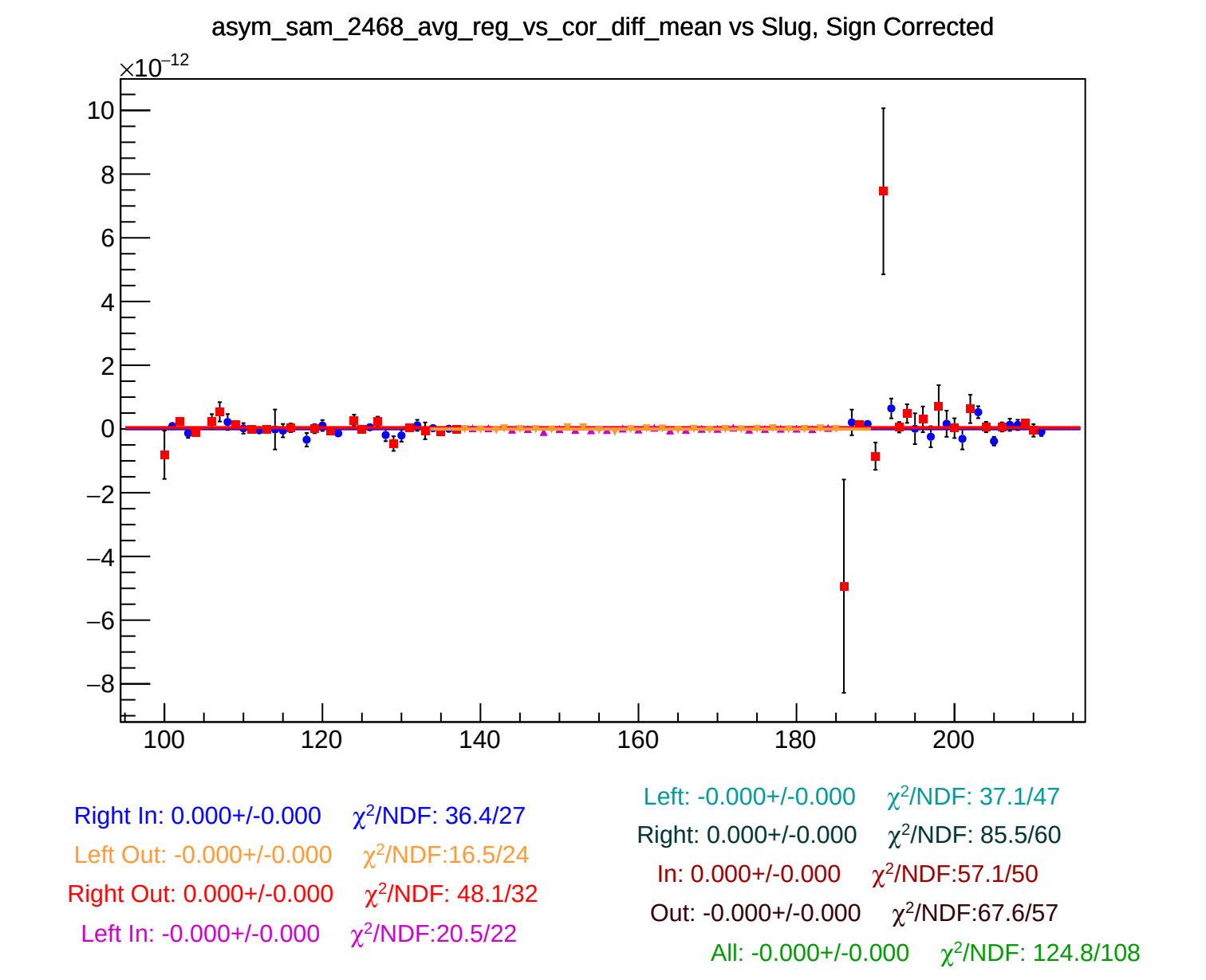
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

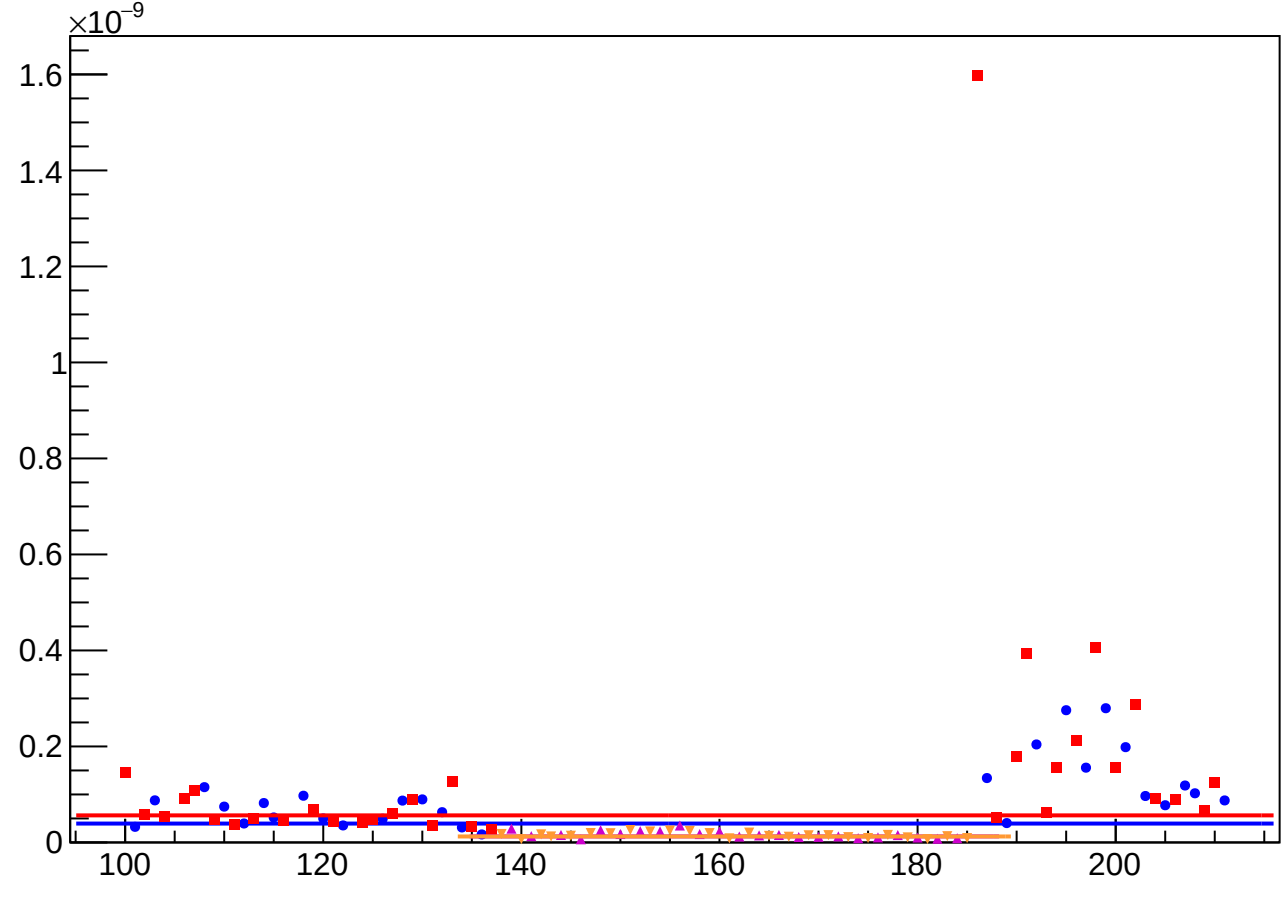
Right: 1562.854+/-0.196 χ^2/NDF: 5674332.6/60

In: 809.027+/-0.106 χ^2/NDF:11536733.2/50

Out: 814.813+/-0.104 χ^2/NDF:13673201.7/57

All: 811.971+/-0.075 χ^2/NDF: 25211441.2/10


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: 36.4/27
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.1/32
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: 85.5/60
In: 0.000+/-0.000 χ²/NDF:57.1/50
Out: -0.000+/-0.000 χ²/NDF:67.6/57
All: -0.000+/-0.000 χ²/NDF: 124.8/108



Right In: 0.000+/-0.000 χ^2/NDF: 6017962.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3824727.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

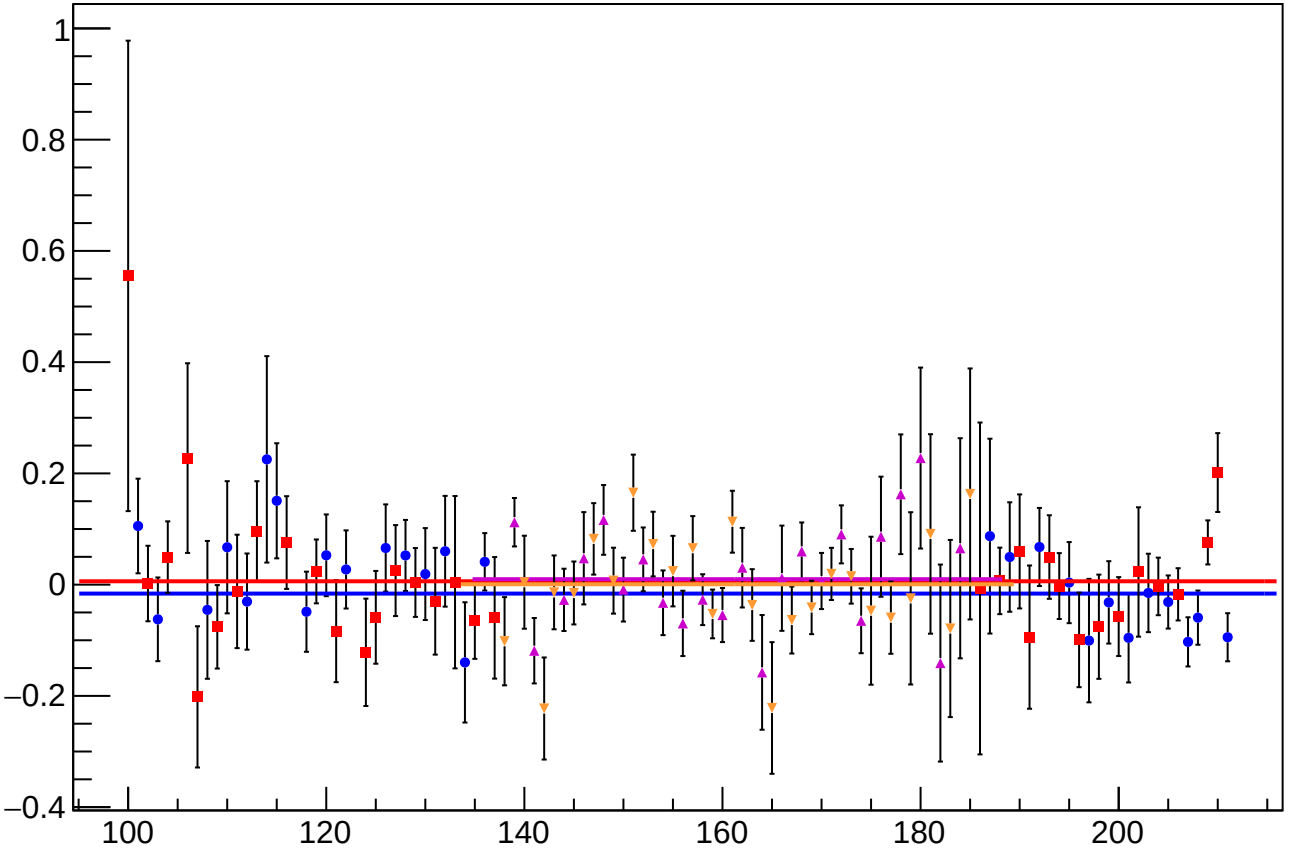
Right: 0.000+/-0.000 χ^2/NDF: 10409728.0/60

In: 0.000+/-0.000 χ^2/NDF:11260249.8/50

Out: 0.000+/-0.000 χ^2/NDF:11519103.9/57

All: 0.000+/-0.000 χ^2/NDF: 22779769.0/108

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

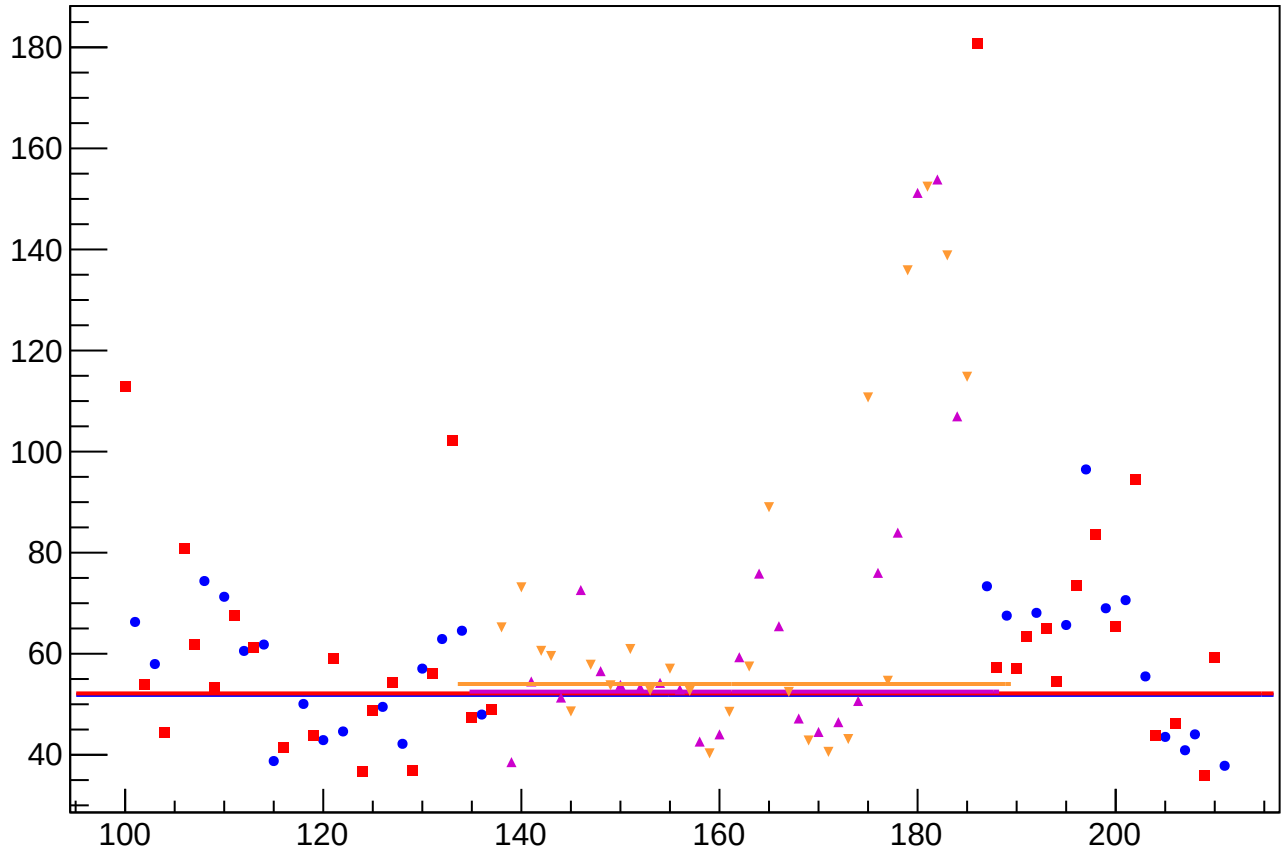
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: -0.005+/-0.009 χ^2/NDF: 57.5/60

In: -0.003+/-0.009 χ^2/NDF:60.0/50

Out: 0.003+/-0.009 χ^2/NDF:61.6/57

All: 0.000+/-0.007 χ^2/NDF: 121.8/108



Right In: 51.857+/-0.010 χ^2/NDF: 1669767.9/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.150+/-0.009 χ^2/NDF: 2287657.9/32

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

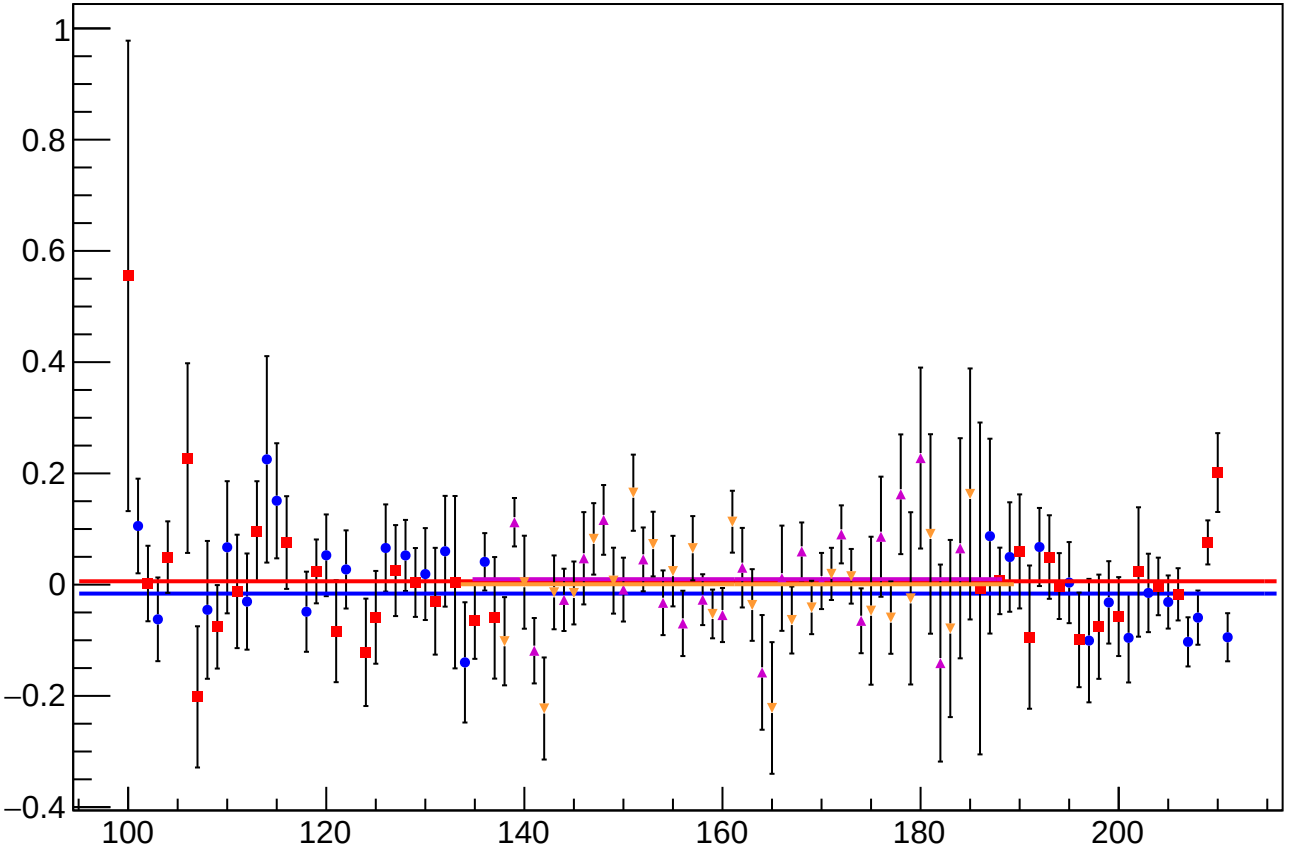
Right: 52.007+/-0.007 χ^2/NDF: 3957906.6/60

In: 52.187+/-0.007 χ^2/NDF:4229857.8/50

Out: 53.080+/-0.007 χ^2/NDF:5535085.5/57

All: 52.639+/-0.005 χ^2/NDF: 9773957.7/108

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

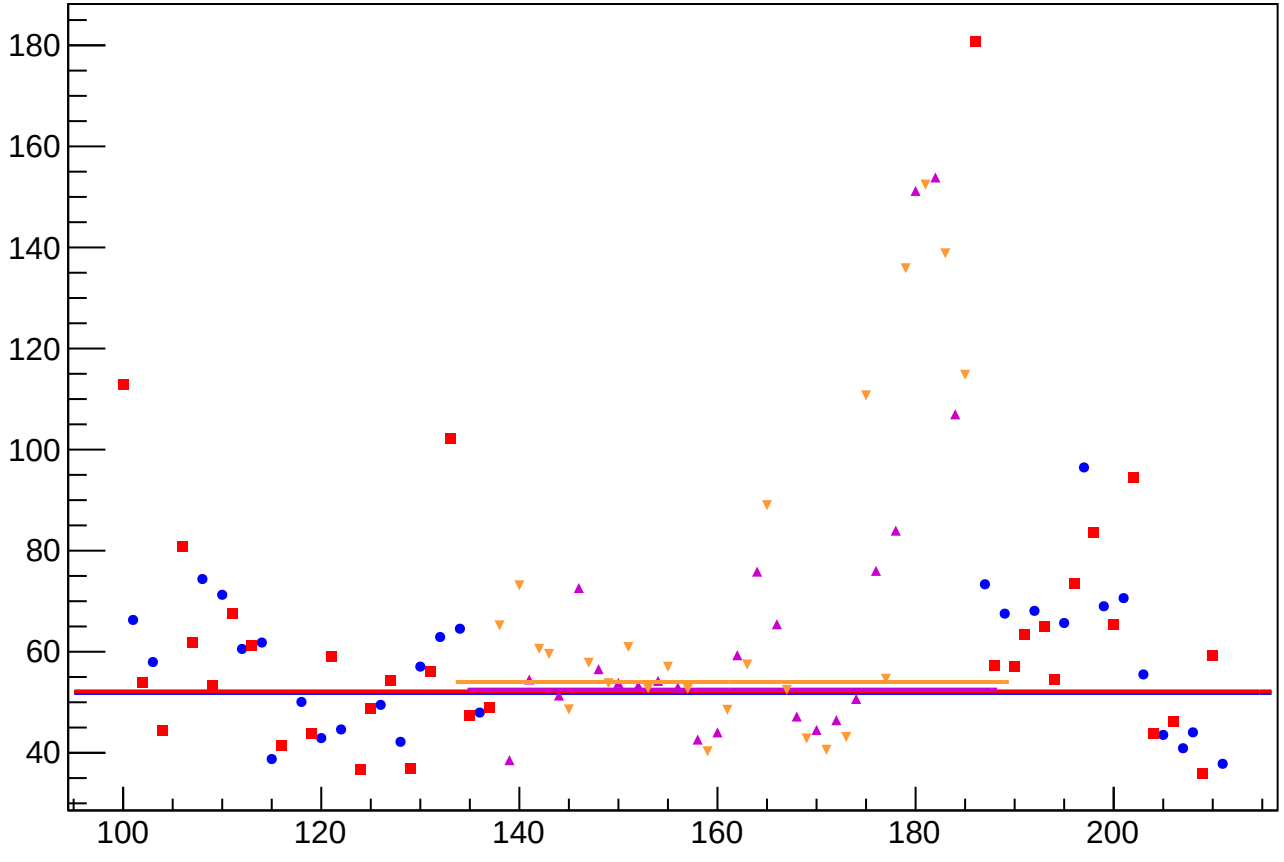
Right: -0.005+/-0.009 χ^2/NDF: 57.5/60

In: -0.003+/-0.009 χ^2/NDF:60.0/50

Out: 0.003+/-0.009 χ^2/NDF:61.6/57

All: 0.000+/-0.007 χ^2/NDF: 121.8/108

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.857+/-0.010 χ^2/NDF: 1669767.9/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.150+/-0.009 χ^2/NDF: 2287657.9/32

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

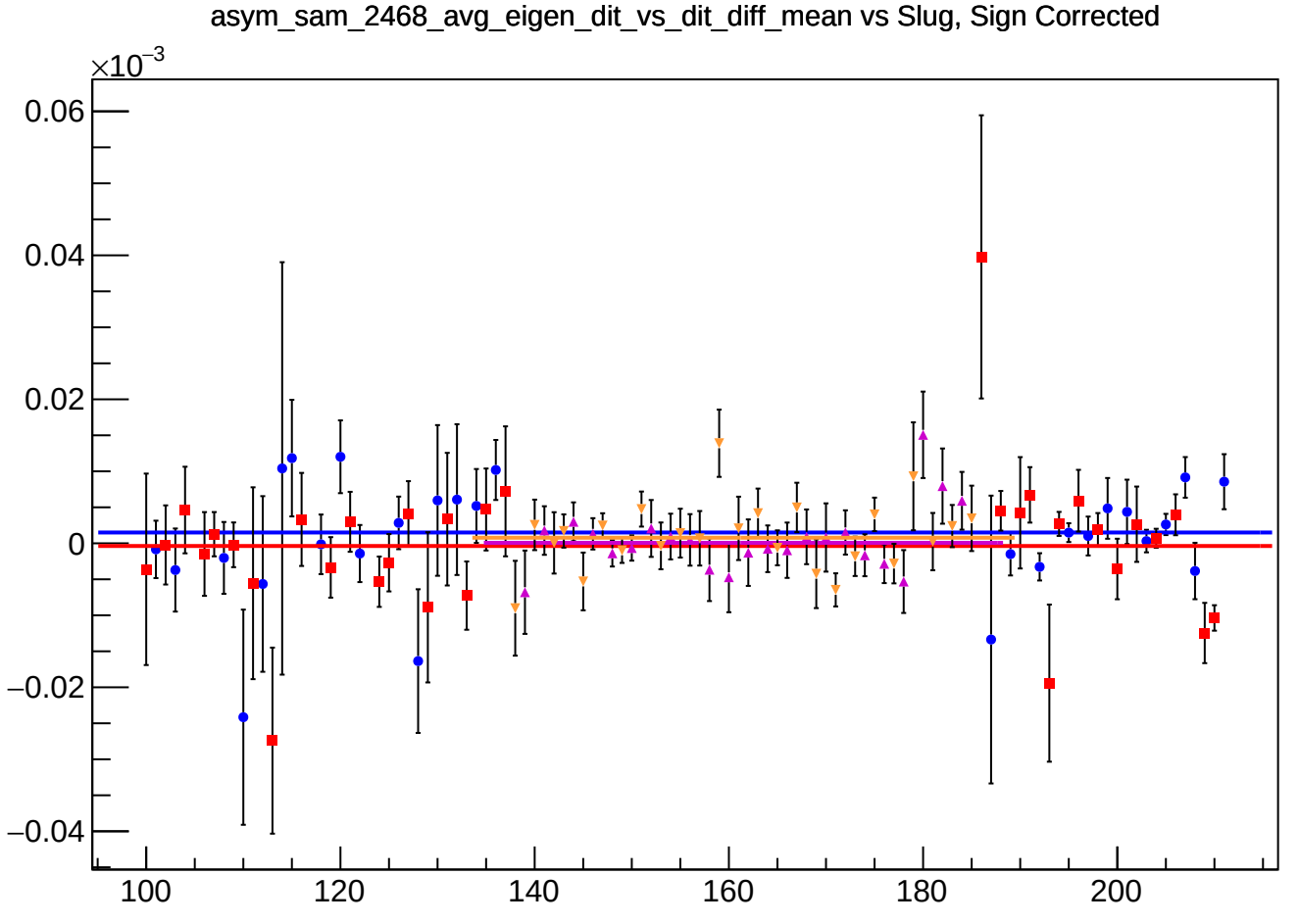
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.007+/-0.007 χ^2/NDF: 3957906.6/60

In: 52.187+/-0.007 χ^2/NDF:4229857.8/50

Out: 53.080+/-0.007 χ^2/NDF:5535085.5/57

All: 52.639+/-0.005 χ^2/NDF: 9773957.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 43.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 79.7/32

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

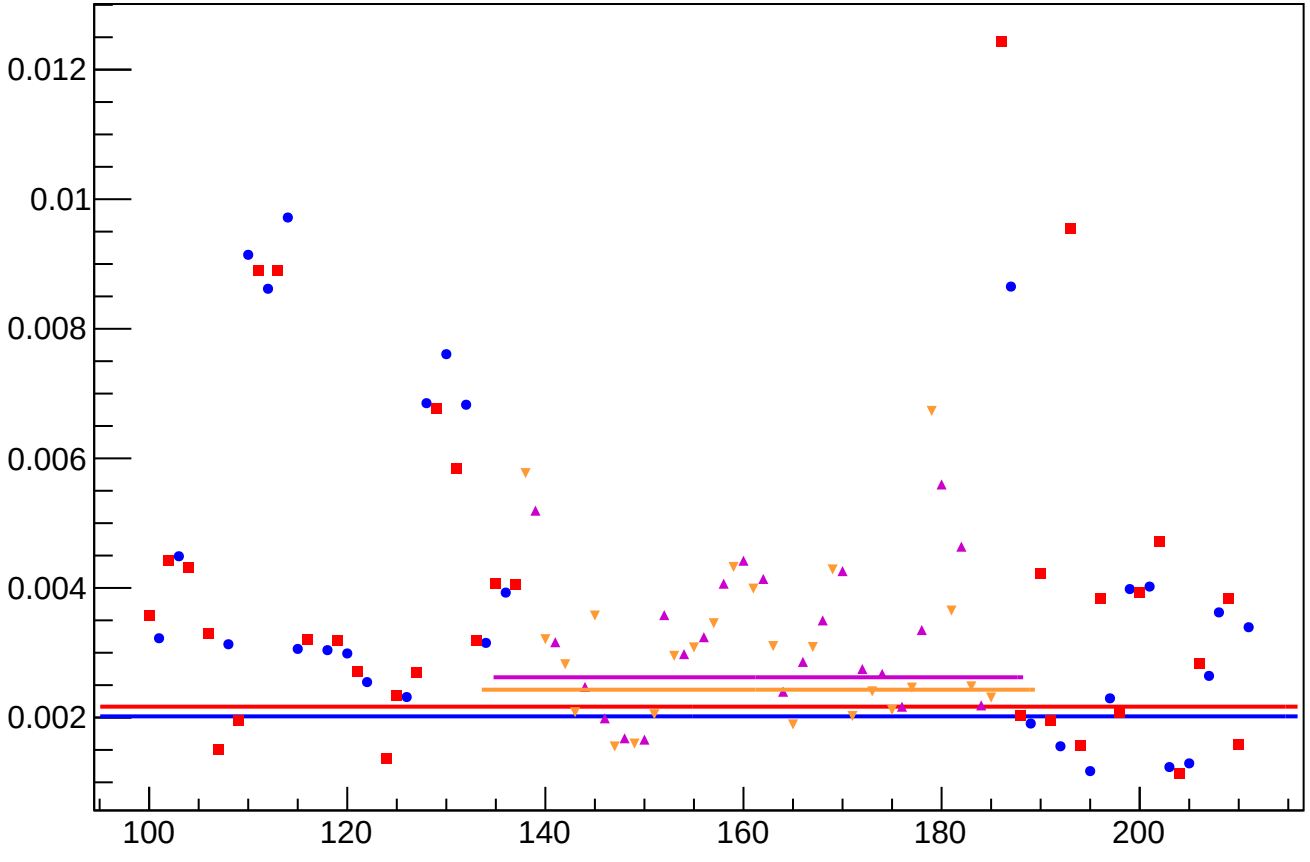
Right: 0.000+/-0.000 χ^2/NDF: 127.7/60

In: 0.000+/-0.000 χ^2/NDF:65.9/50

Out: 0.000+/-0.000 χ^2/NDF:119.7/57

All: 0.000+/-0.000 χ^2/NDF: 186.7/108

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7802125.5/27

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8172980.1/32

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

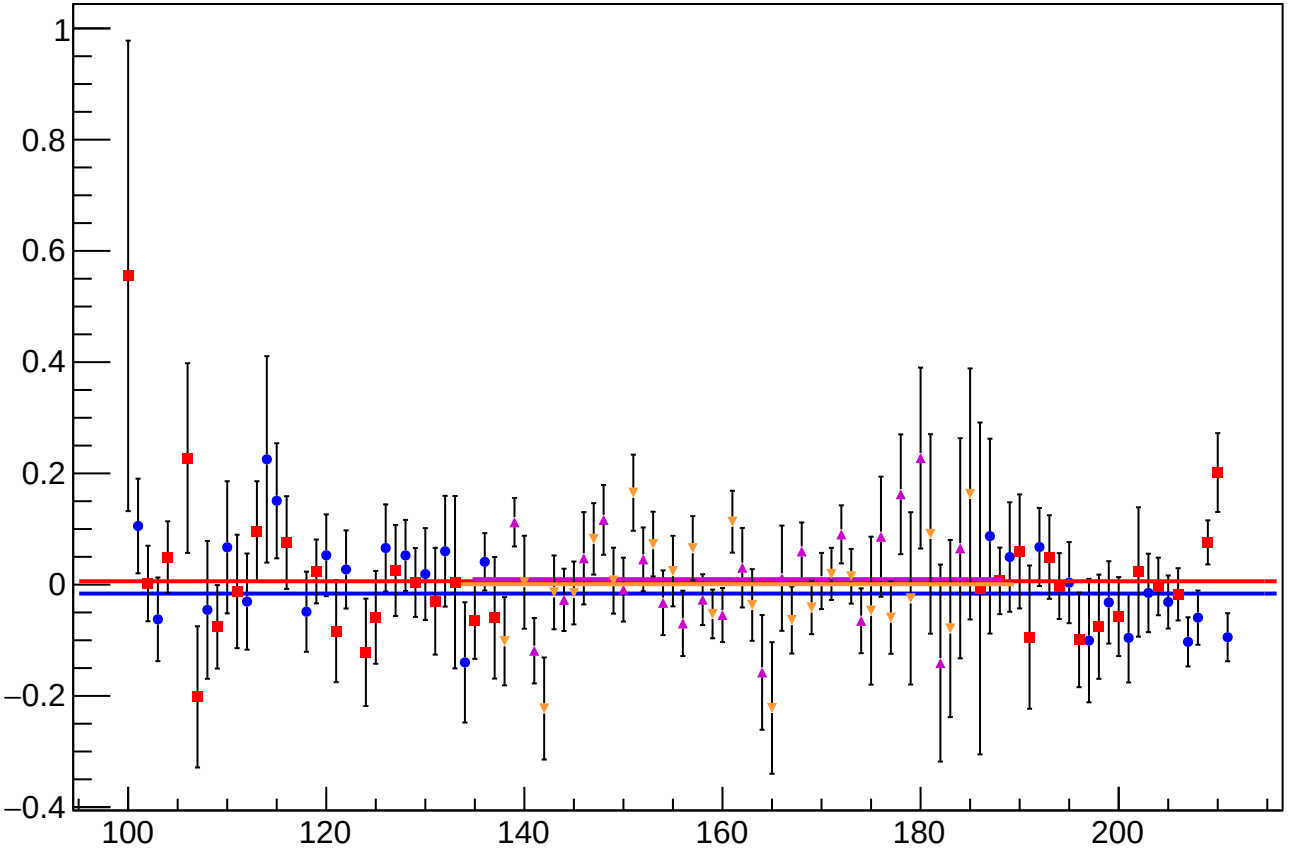
Right: 0.002+/-0.000 χ^2/NDF: 16038224.5/60

In: 0.002+/-0.000 χ^2/NDF:12684466.8/50

Out: 0.002+/-0.000 χ^2/NDF:12583940.5/57

All: 0.002+/-0.000 χ^2/NDF: 25269738.4/108

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

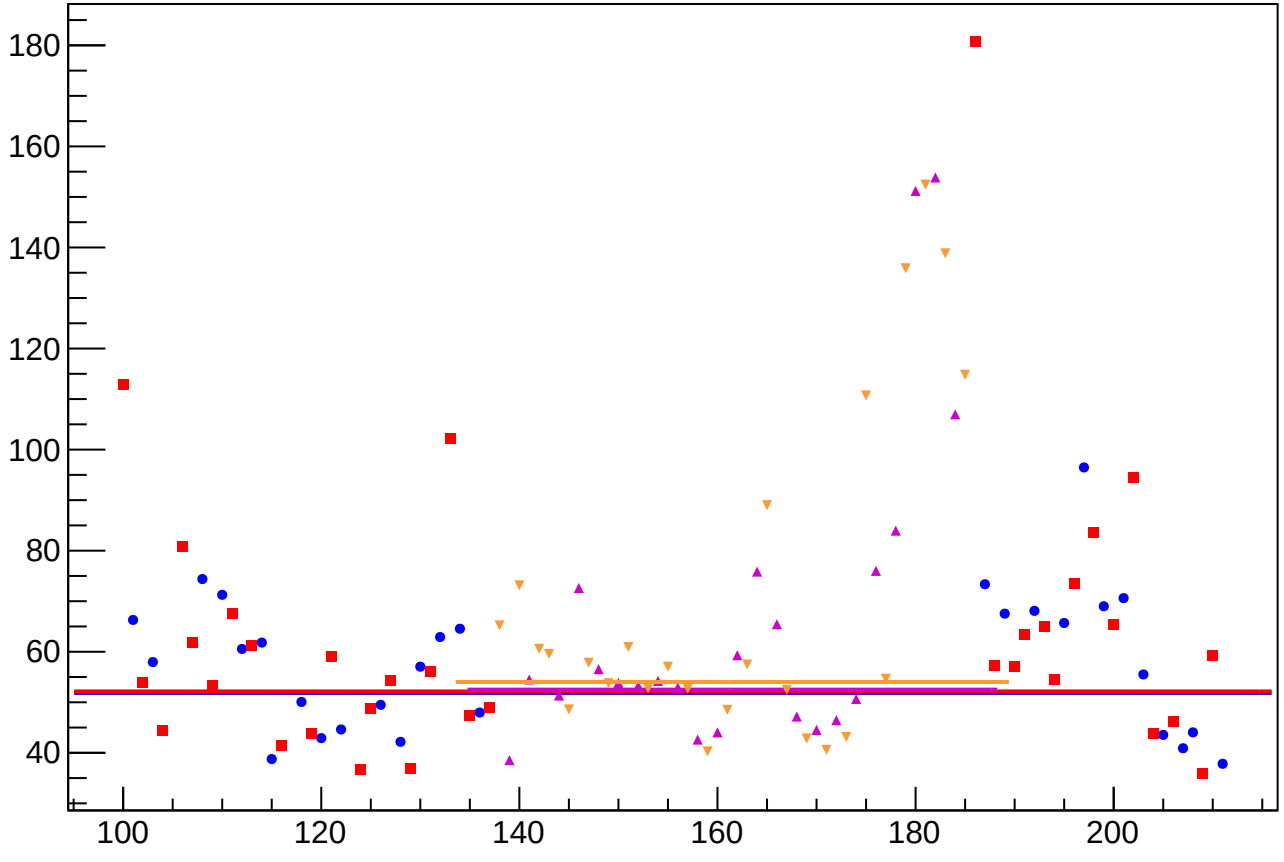
Right: -0.005+/-0.009 χ^2/NDF: 57.5/60

In: -0.003+/-0.009 χ^2/NDF:60.0/50

Out: 0.003+/-0.009 χ^2/NDF:61.6/57

All: 0.000+/-0.007 χ^2/NDF: 121.8/108

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.856+/-0.010 χ^2/NDF: 1669664.8/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.150+/-0.009 χ^2/NDF: 2287605.5/32

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

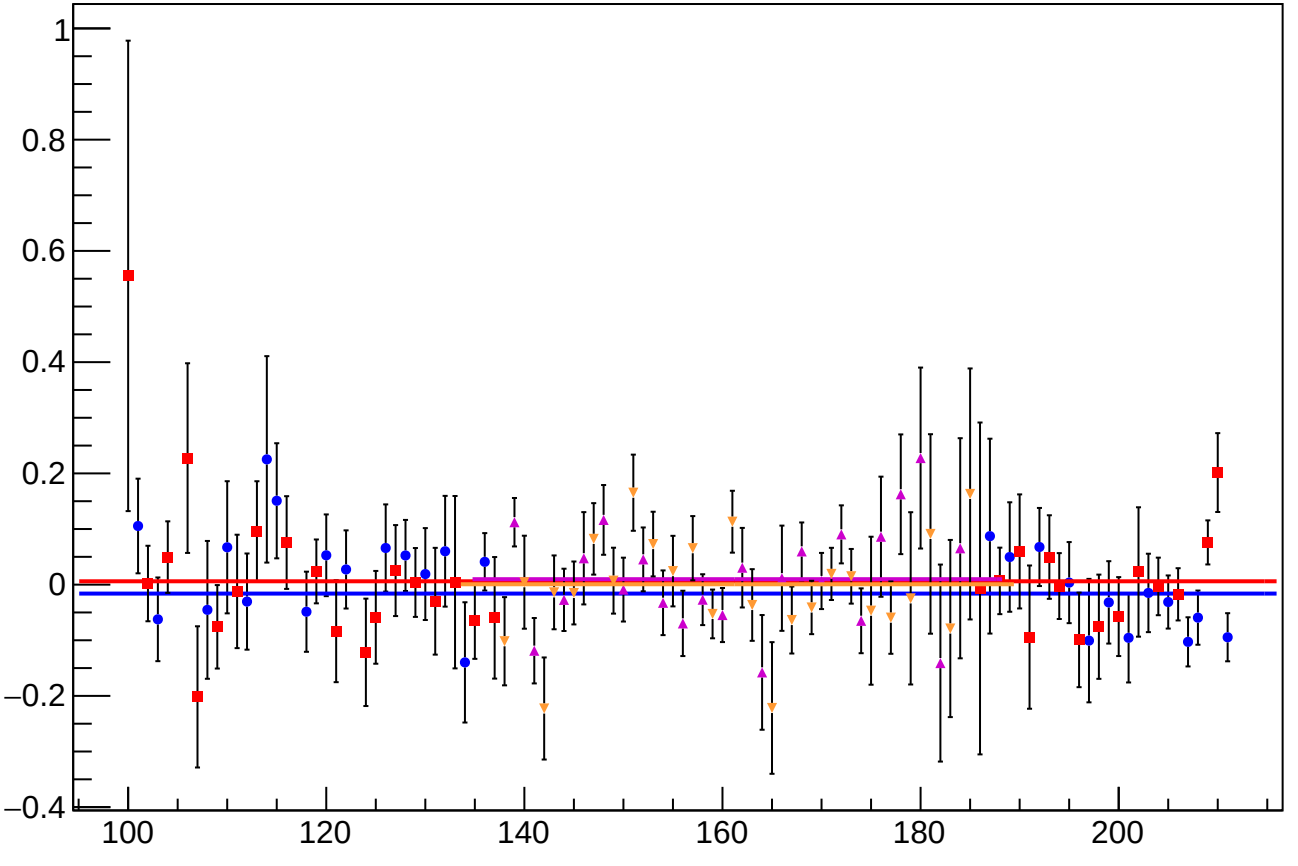
Right: 52.007+/-0.007 χ^2/NDF: 3957751.6/60

In: 52.187+/-0.007 χ^2/NDF:4229801.5/50

Out: 53.080+/-0.007 χ^2/NDF:5535063.1/57

All: 52.639+/-0.005 χ^2/NDF: 9773881.3/108

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.014 χ^2/NDF: 26.2/27

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.006+/-0.013 χ^2/NDF: 29.9/32

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

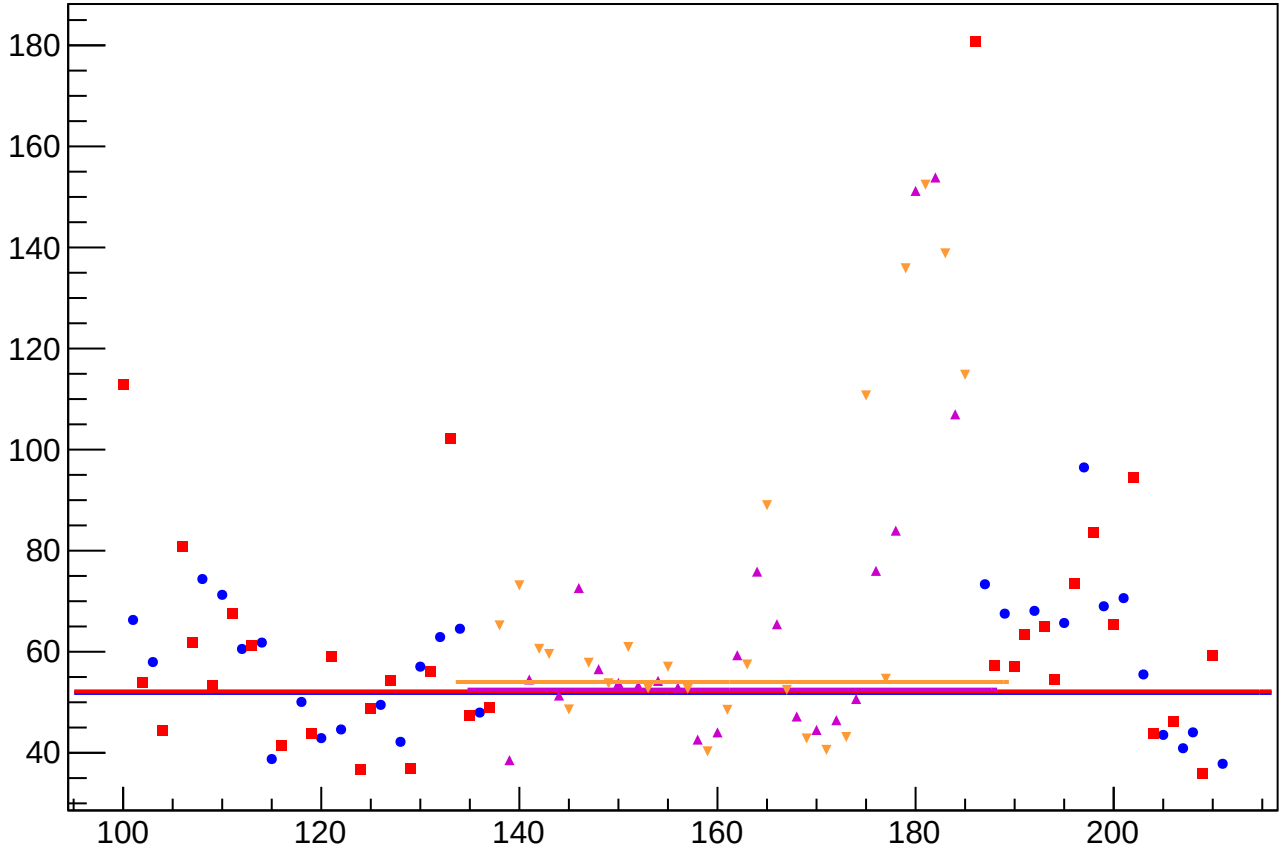
Right: -0.005+/-0.009 χ^2/NDF: 57.5/60

In: -0.003+/-0.009 χ^2/NDF:60.0/50

Out: 0.003+/-0.009 χ^2/NDF:61.6/57

All: 0.000+/-0.007 χ^2/NDF: 121.8/108

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.856+/-0.010 χ^2/NDF: 1669664.8/27

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.150+/-0.009 χ^2/NDF: 2287605.5/32

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

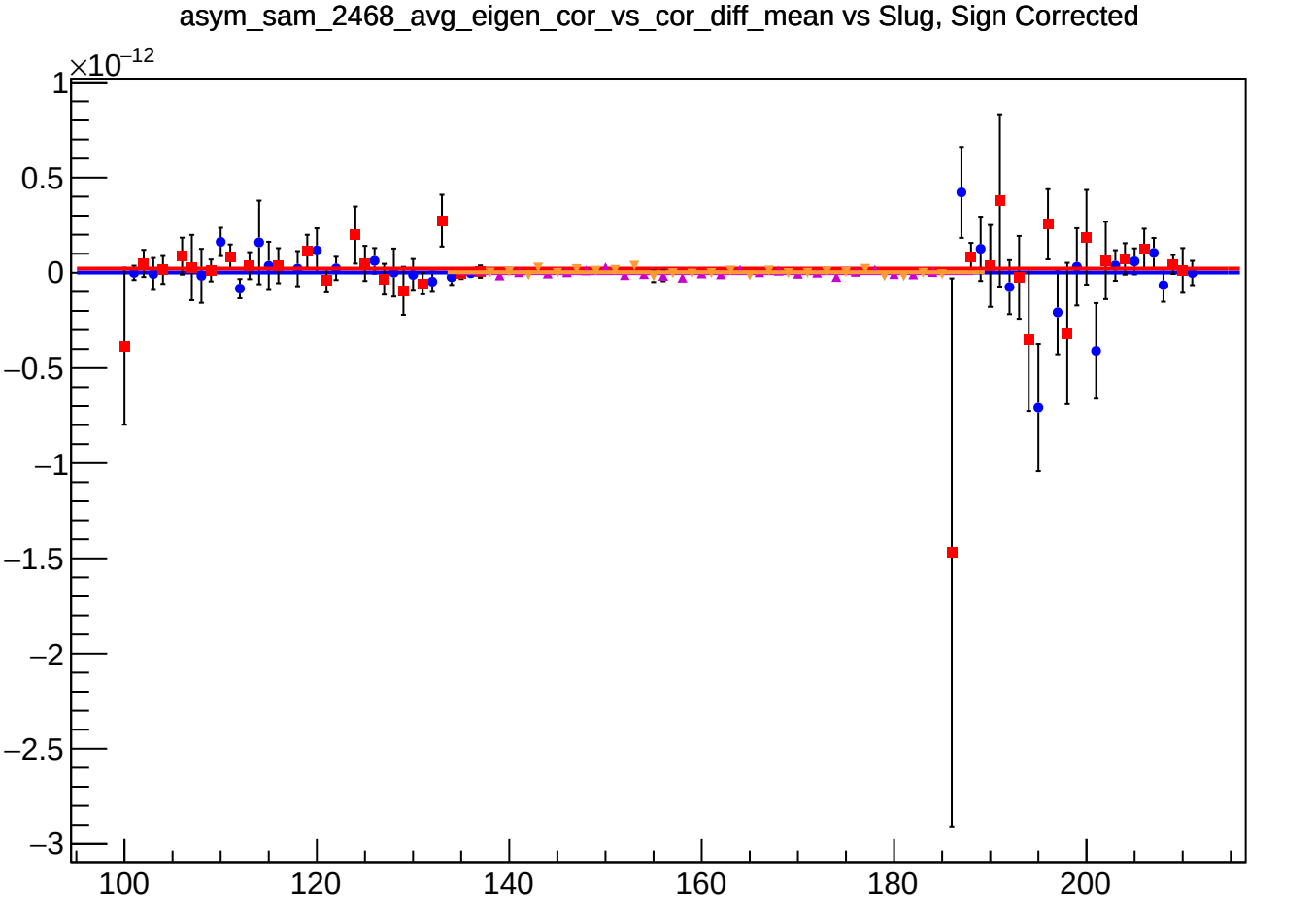
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.007+/-0.007 χ^2/NDF: 3957751.6/60

In: 52.187+/-0.007 χ^2/NDF:4229801.5/50

Out: 53.080+/-0.007 χ^2/NDF:5535063.1/57

All: 52.639+/-0.005 χ^2/NDF: 9773881.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/32

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

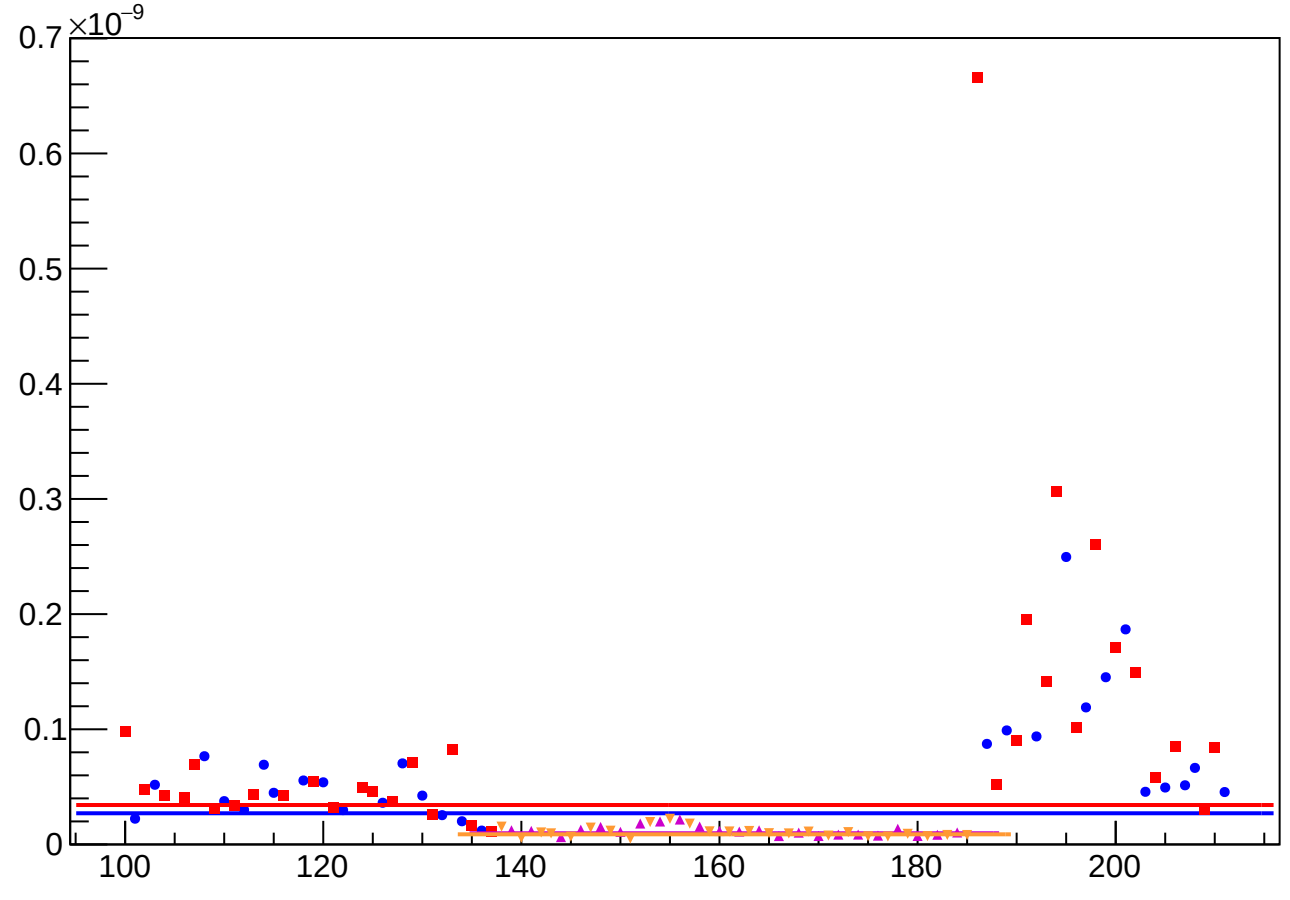
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.1/60

In: -0.000+/-0.000 χ^2/NDF:41.9/50

Out: 0.000+/-0.000 χ^2/NDF:45.9/57

All: 0.000+/-0.000 χ^2/NDF: 89.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 7681327.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8460762.8/32

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

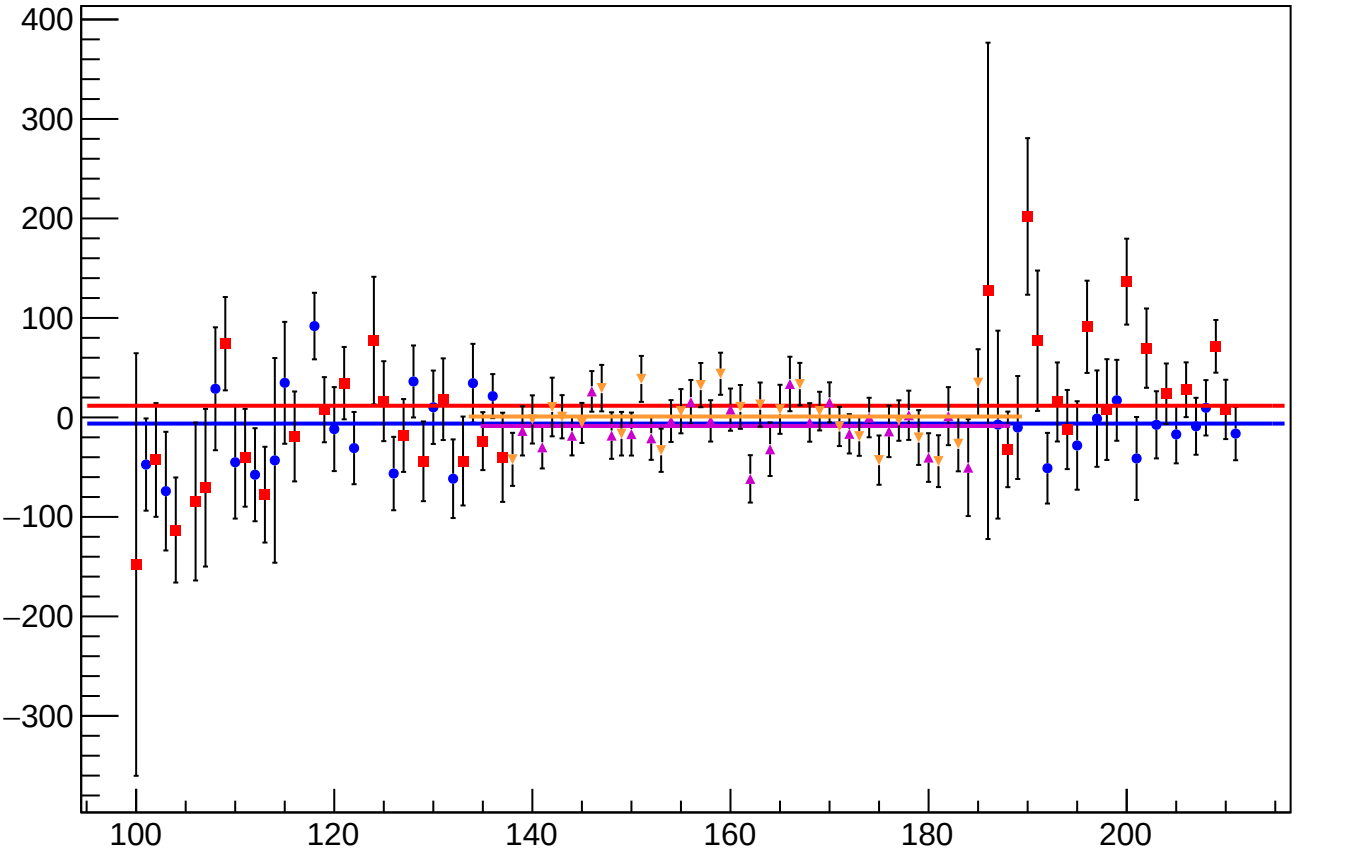
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16488932.9/60

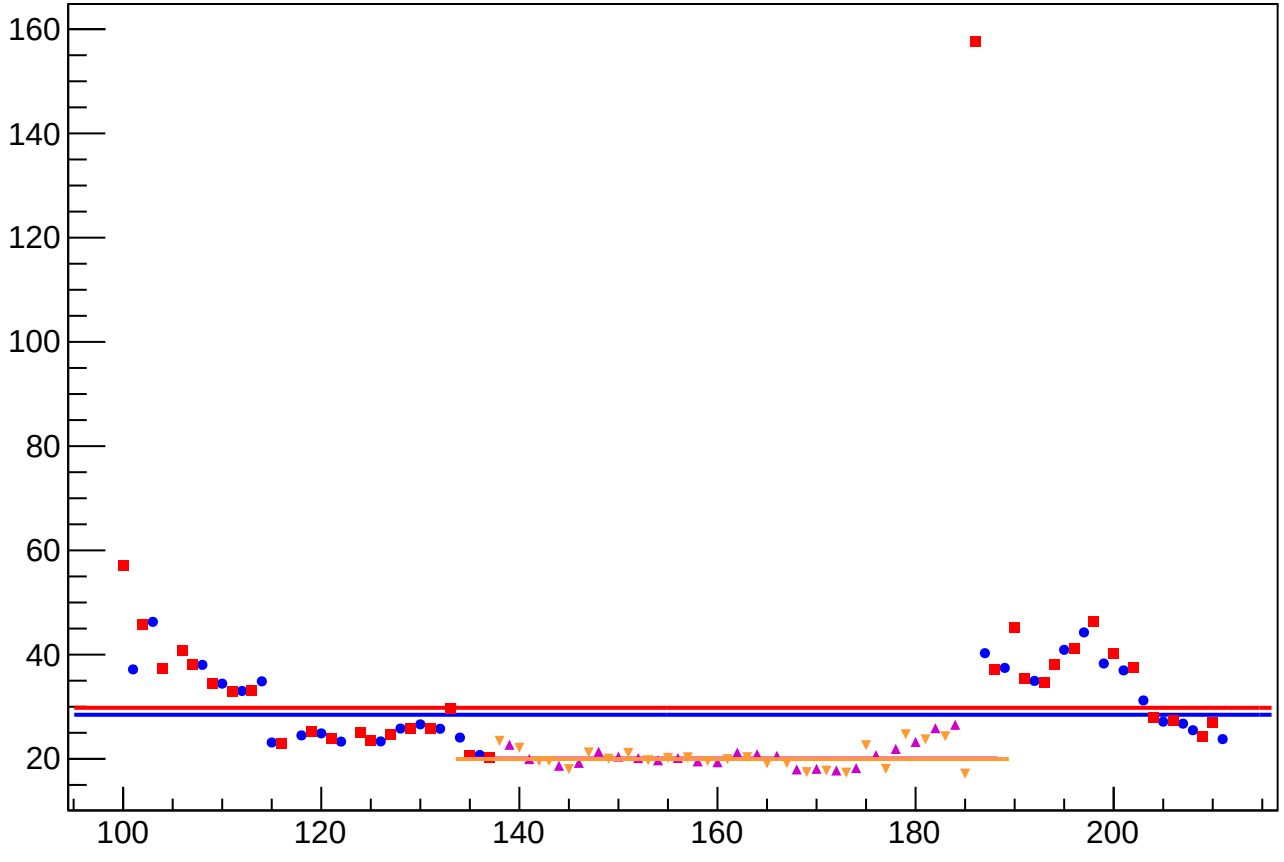
In: 0.000+/-0.000 χ^2/NDF:14539764.9/50

Out: 0.000+/-0.000 χ^2/NDF:18190933.0/57

All: 0.000+/-0.000 χ^2/NDF: 32872912.4/108


reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -6.188+/-7.206 χ²/NDF: 25.2/27
Left Out: 0.917+/-4.574 χ²/NDF:29.2/24
Right Out: 11.736+/-7.294 χ²/NDF: 52.5/32
Left In: -8.600+/-4.724 χ²/NDF:19.4/22
Left: -3.689+/-3.286 χ²/NDF: 50.7/47
Right: 2.665+/-5.126 χ²/NDF: 80.8/60
In: -7.875+/-3.950 χ²/NDF:44.7/50
Out: 3.970+/-3.875 χ²/NDF:83.3/57
All: -1.838+/-2.766 χ²/NDF: 132.6/108

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 28.462+/-0.005 χ^2/NDF: 1611761.3/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.801+/-0.005 χ^2/NDF: 2349643.6/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

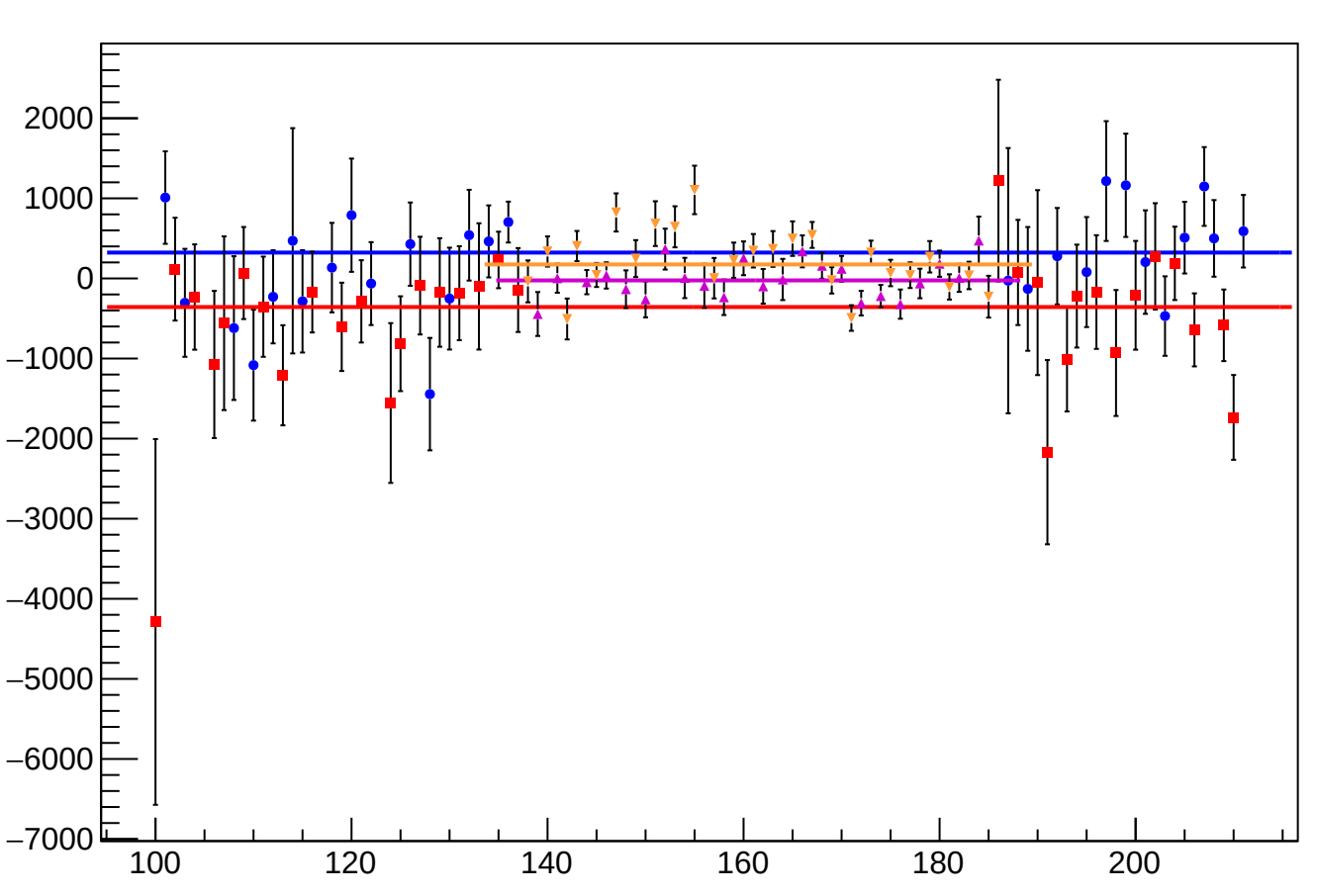
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.123+/-0.004 χ^2/NDF: 3995509.0/60

In: 22.594+/-0.003 χ^2/NDF:3809786.1/50

Out: 22.744+/-0.003 χ^2/NDF:5344984.3/57

All: 22.670+/-0.002 χ^2/NDF: 9156236.4/108



Right In: 322.979+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -357.135+/-107.538 χ^2/NDF: 28.4/32

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

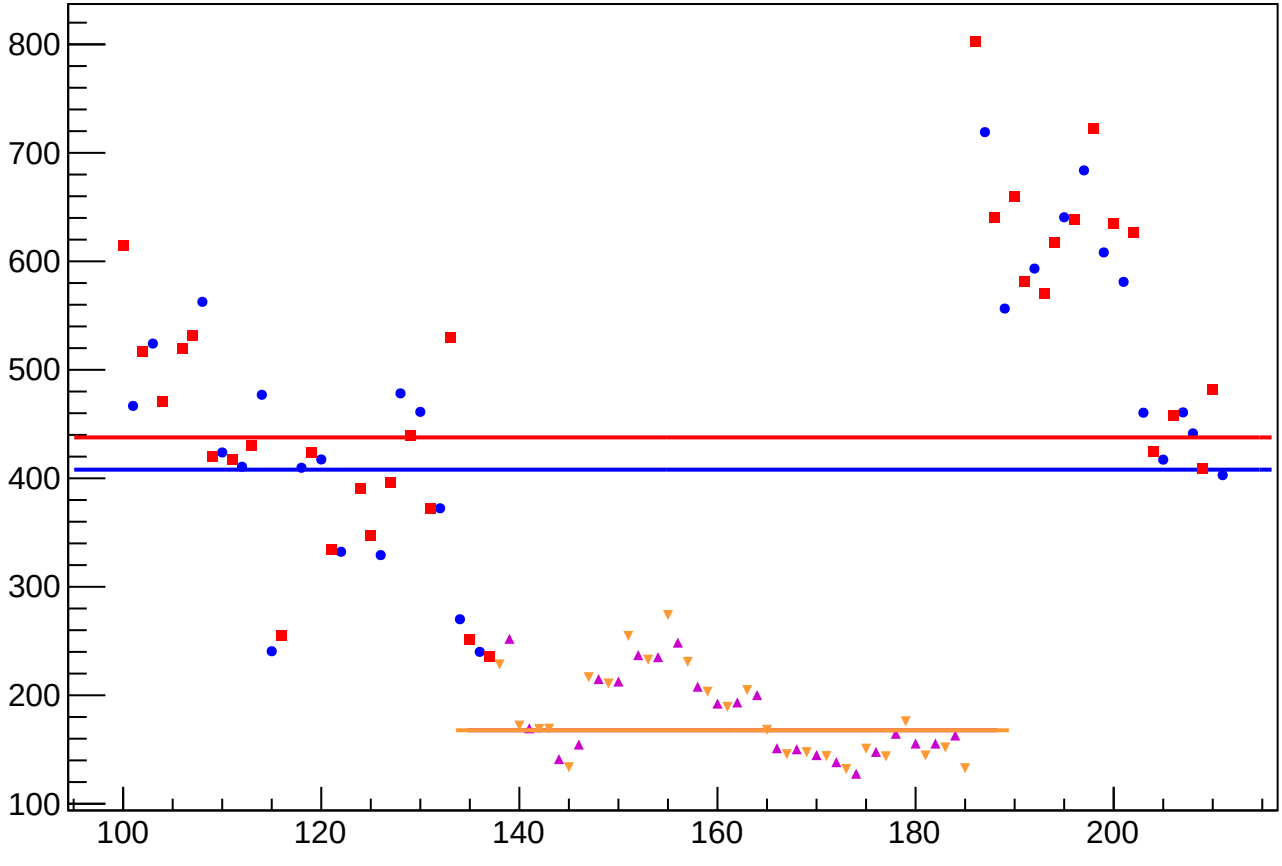
Right: -8.565+/-75.083 χ^2/NDF: 78.7/60

In: 19.683+/-37.431 χ^2/NDF:66.3/50

Out: 112.738+/-36.704 χ^2/NDF:121.2/57

All: 67.123+/-26.207 χ^2/NDF: 190.7/108

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 407.979+/-0.074 χ^2/NDF: 2695208.7/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.704+/-0.076 χ^2/NDF: 2877818.2/32

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

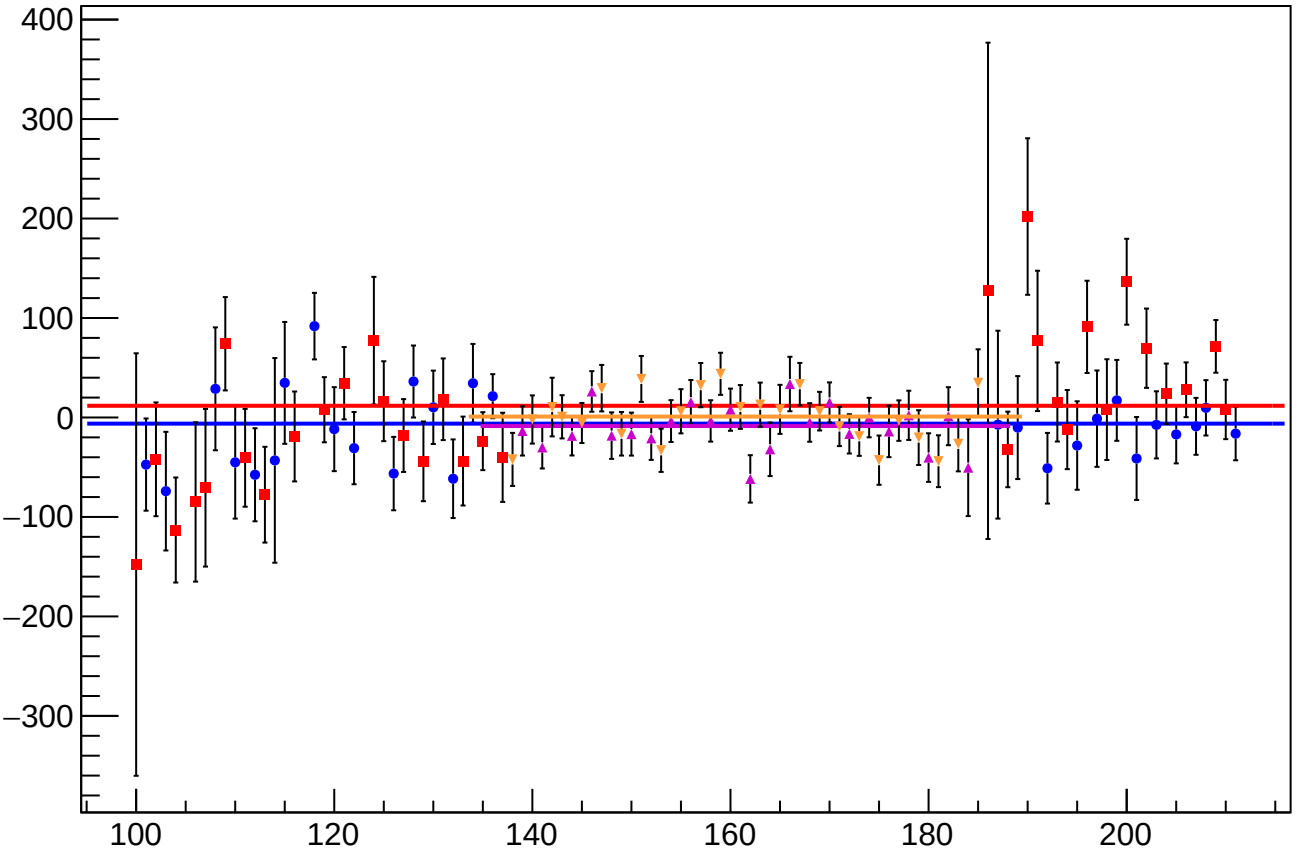
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 422.469+/-0.053 χ^2/NDF: 5651340.7/60

In: 198.348+/-0.026 χ^2/NDF:13254980.3/50

Out: 199.202+/-0.026 χ^2/NDF:15590701.7/57

All: 198.783+/-0.019 χ^2/NDF: 28846212.1/10



Right In: -6.186+/-7.206 χ^2/NDF: 25.2/27

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 11.759+/-7.294 χ^2/NDF: 52.5/32

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

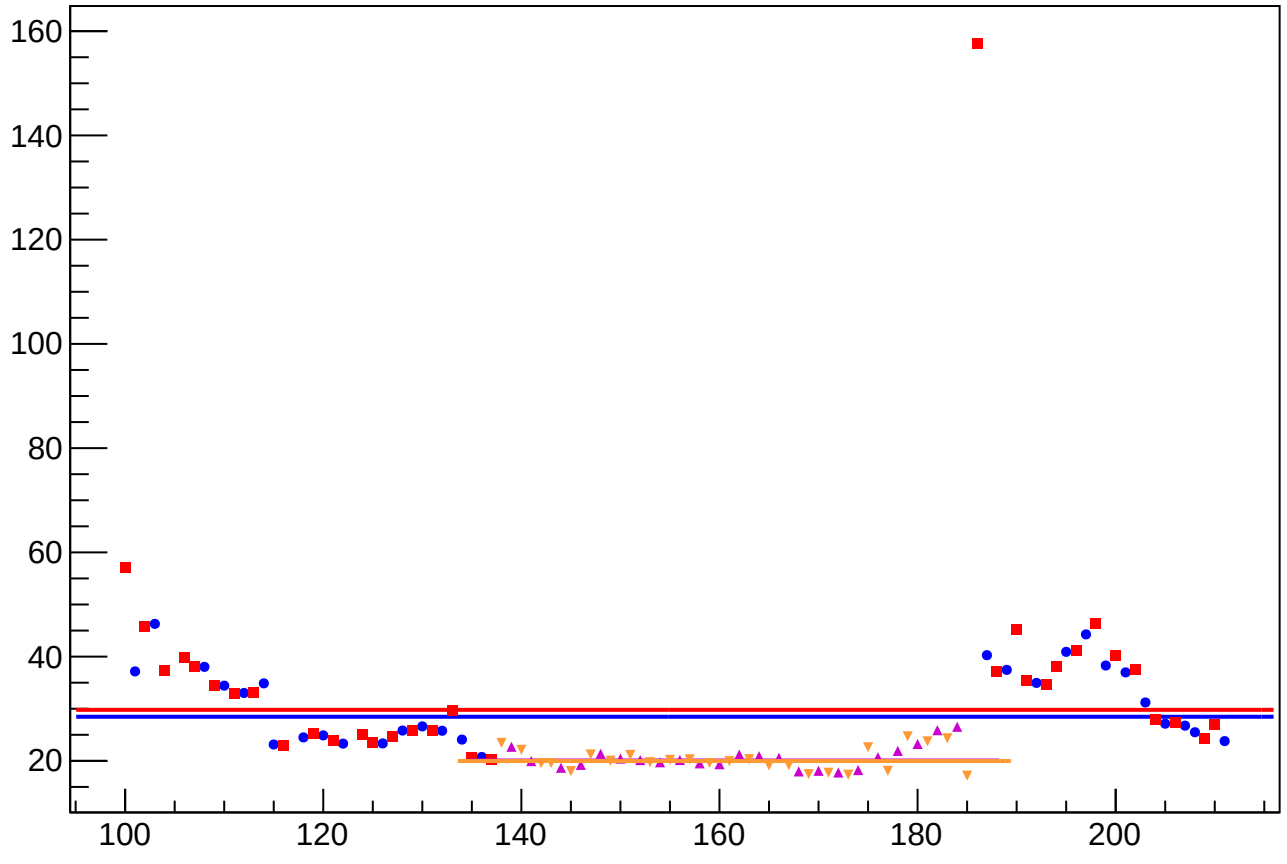
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 2.676+/-5.126 χ^2/NDF: 80.8/60

In: -7.875+/-3.950 χ^2/NDF:44.7/50

Out: 3.975+/-3.875 χ^2/NDF:83.3/57

All: -1.836+/-2.766 χ^2/NDF: 132.5/108



Right In: 28.462+/-0.005 χ^2/NDF: 1611764.5/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.790+/-0.005 χ^2/NDF: 2342066.8/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

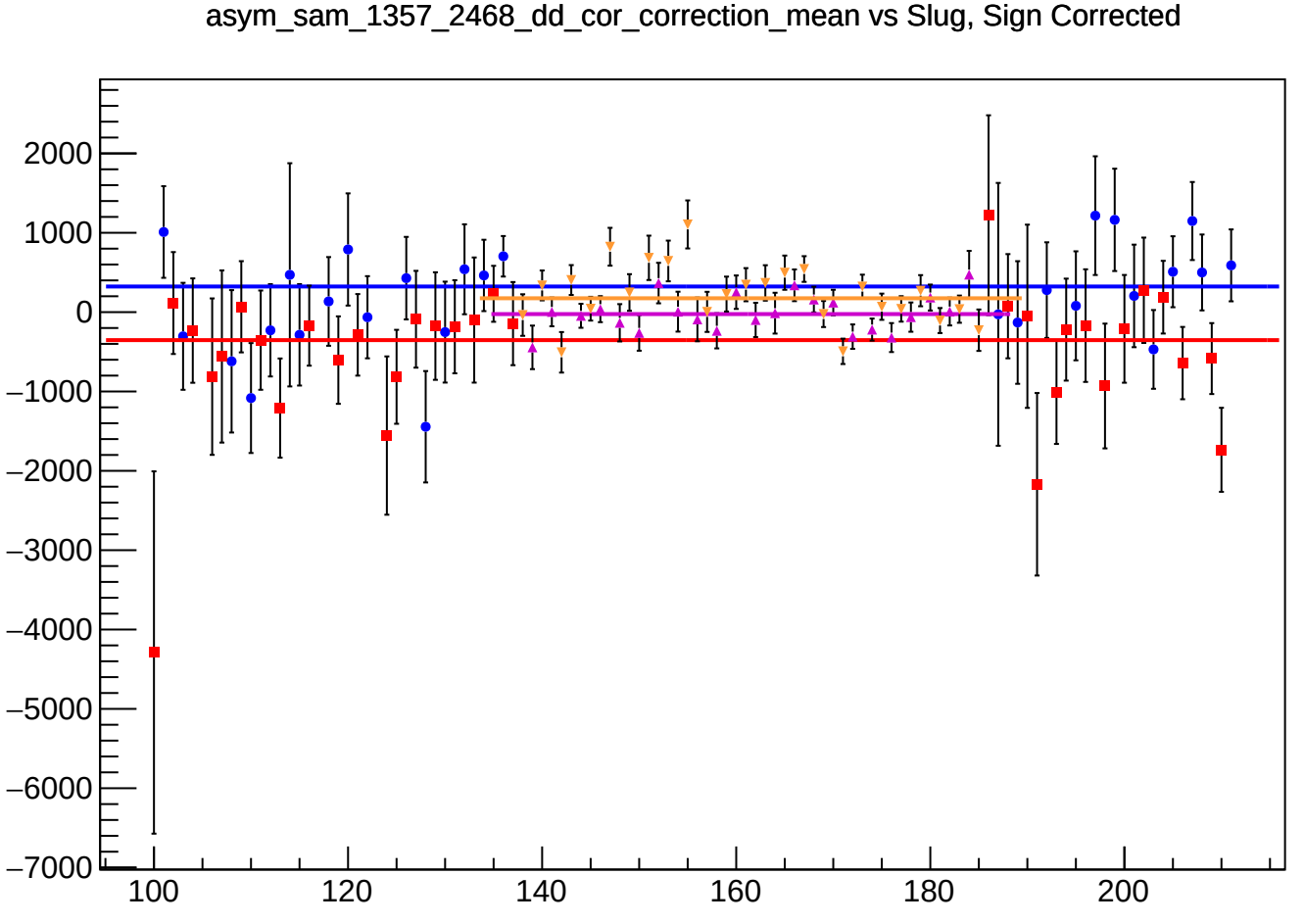
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.118+/-0.004 χ^2/NDF: 3987394.2/60

In: 22.594+/-0.003 χ^2/NDF:3809789.5/50

Out: 22.741+/-0.003 χ^2/NDF:5331466.7/57

All: 22.669+/-0.002 χ^2/NDF: 9142657.8/108



Right In: 322.975+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -352.781+/-107.637 χ^2/NDF: 28.0/32

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

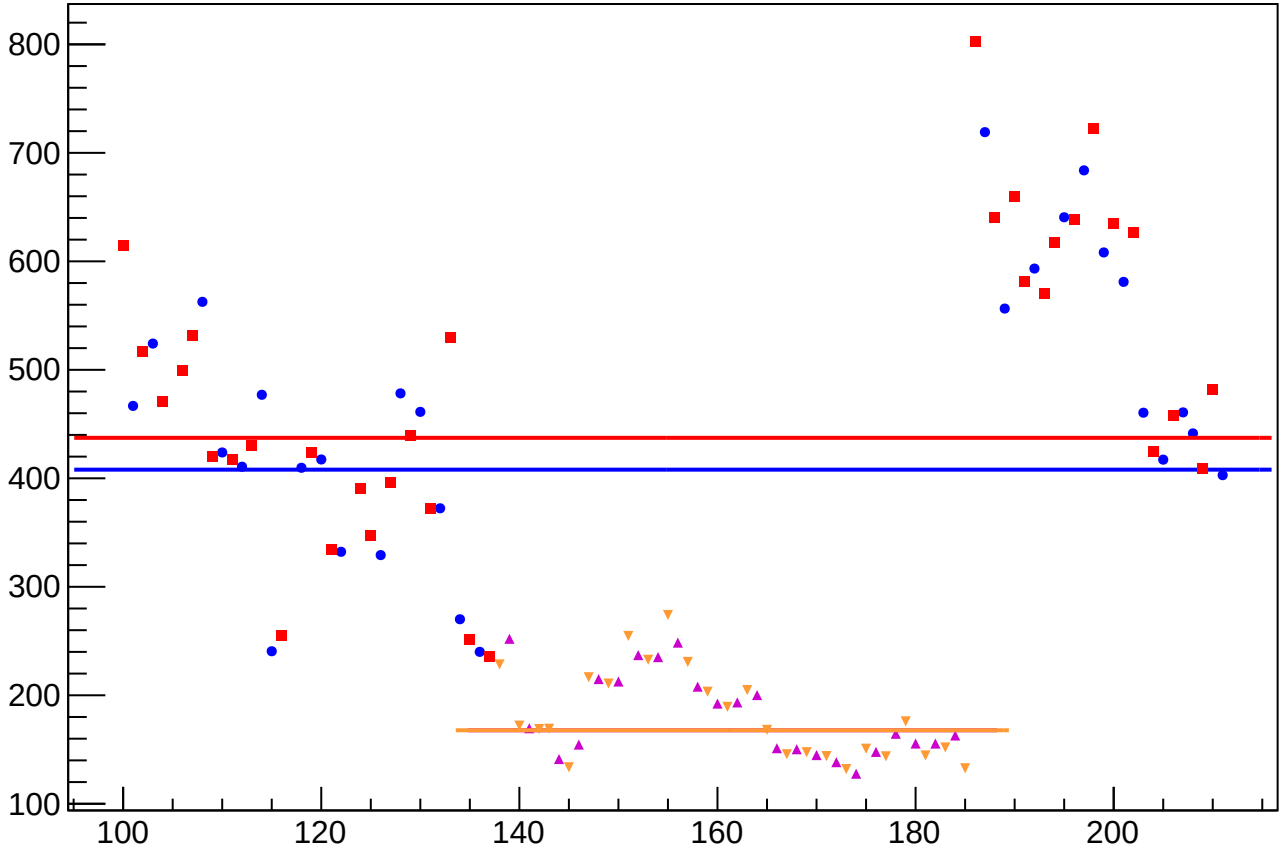
Right: -6.135+/-75.117 χ^2/NDF: 78.0/60

In: 19.682+/-37.431 χ^2/NDF:66.3/50

Out: 113.343+/-36.708 χ^2/NDF:120.4/57

All: 67.426+/-26.209 χ^2/NDF: 189.9/108

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 407.979+/-0.074 χ^2/NDF: 2695234.0/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.318+/-0.076 χ^2/NDF: 2869815.8/32

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

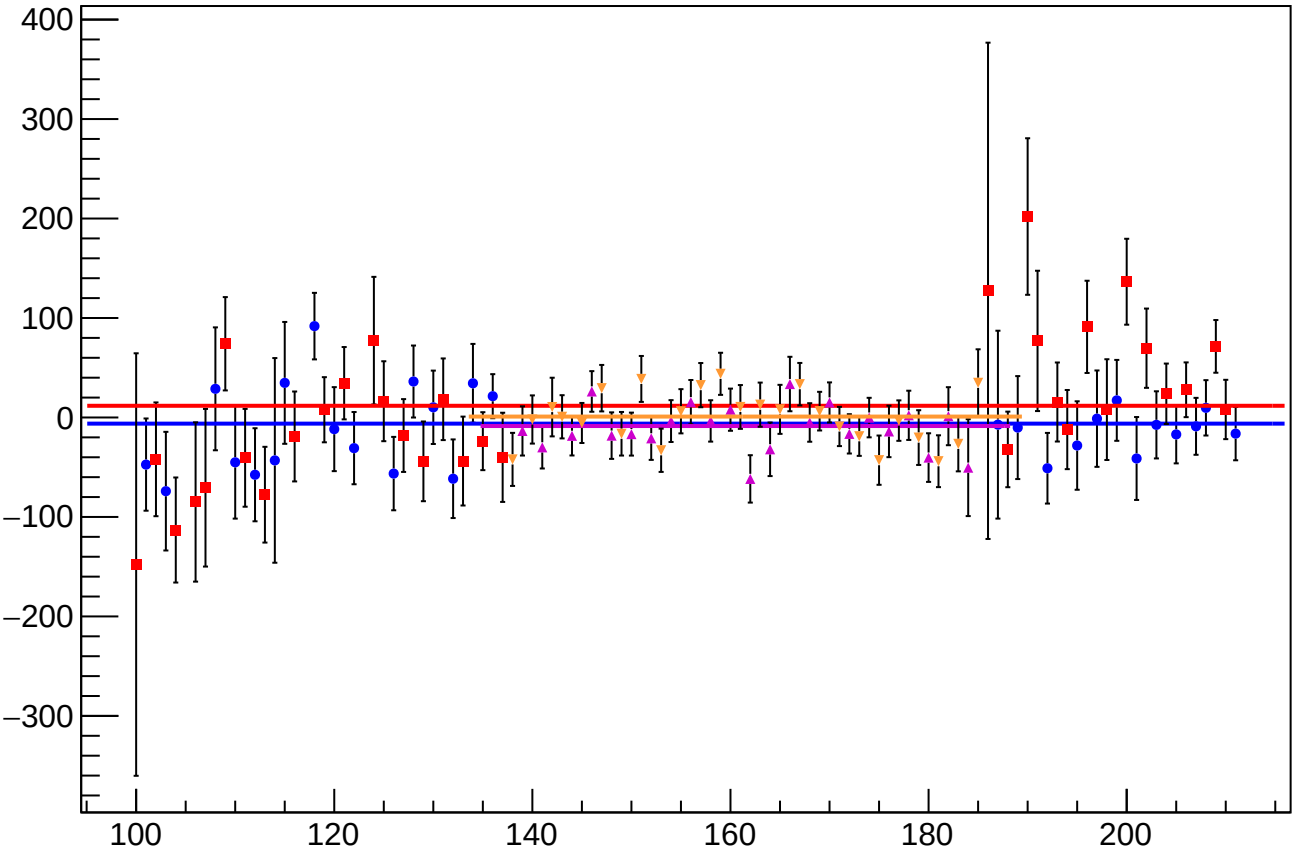
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 422.268+/-0.053 χ^2/NDF: 5641269.8/60

In: 198.348+/-0.026 χ^2/NDF:13254992.6/50

Out: 199.106+/-0.026 χ^2/NDF:15532920.9/57

All: 198.735+/-0.019 χ^2/NDF: 28788331.3/10



Right In: -6.186+/-7.206 χ^2/NDF: 25.2/27

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 11.759+/-7.294 χ^2/NDF: 52.5/32

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

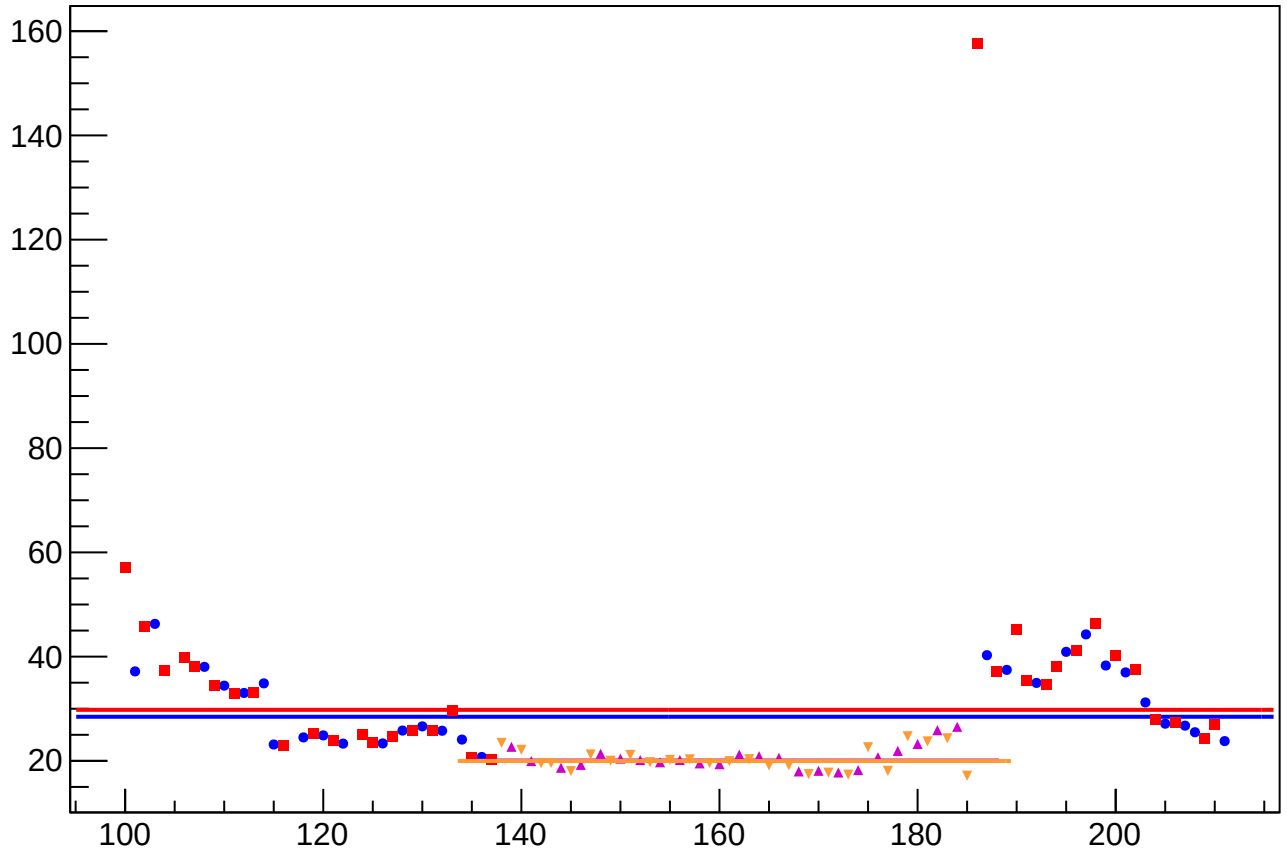
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 2.676+/-5.126 χ^2/NDF: 80.8/60

In: -7.875+/-3.950 χ^2/NDF:44.7/50

Out: 3.975+/-3.875 χ^2/NDF:83.3/57

All: -1.836+/-2.766 χ^2/NDF: 132.5/108



Right In: 28.462+/-0.005 χ^2/NDF: 1611764.5/27

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.790+/-0.005 χ^2/NDF: 2342066.8/32

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

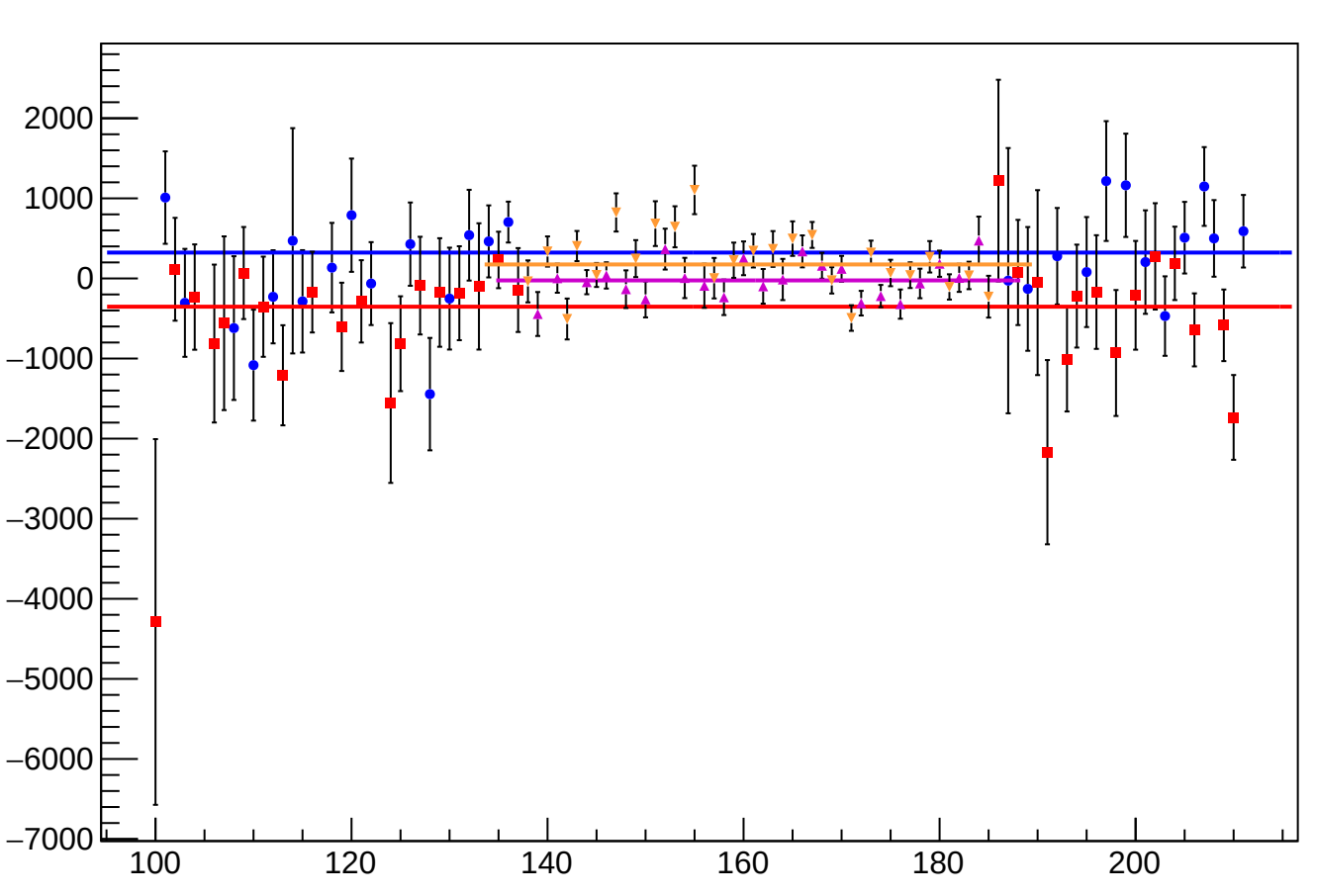
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.118+/-0.004 χ^2/NDF: 3987394.2/60

In: 22.594+/-0.003 χ^2/NDF:3809789.5/50

Out: 22.741+/-0.003 χ^2/NDF:5331466.7/57

All: 22.669+/-0.002 χ^2/NDF: 9142657.8/108



Right In: 322.975+/-104.879 χ^2/NDF: 29.8/27

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -352.781+/-107.637 χ^2/NDF: 28.0/32

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

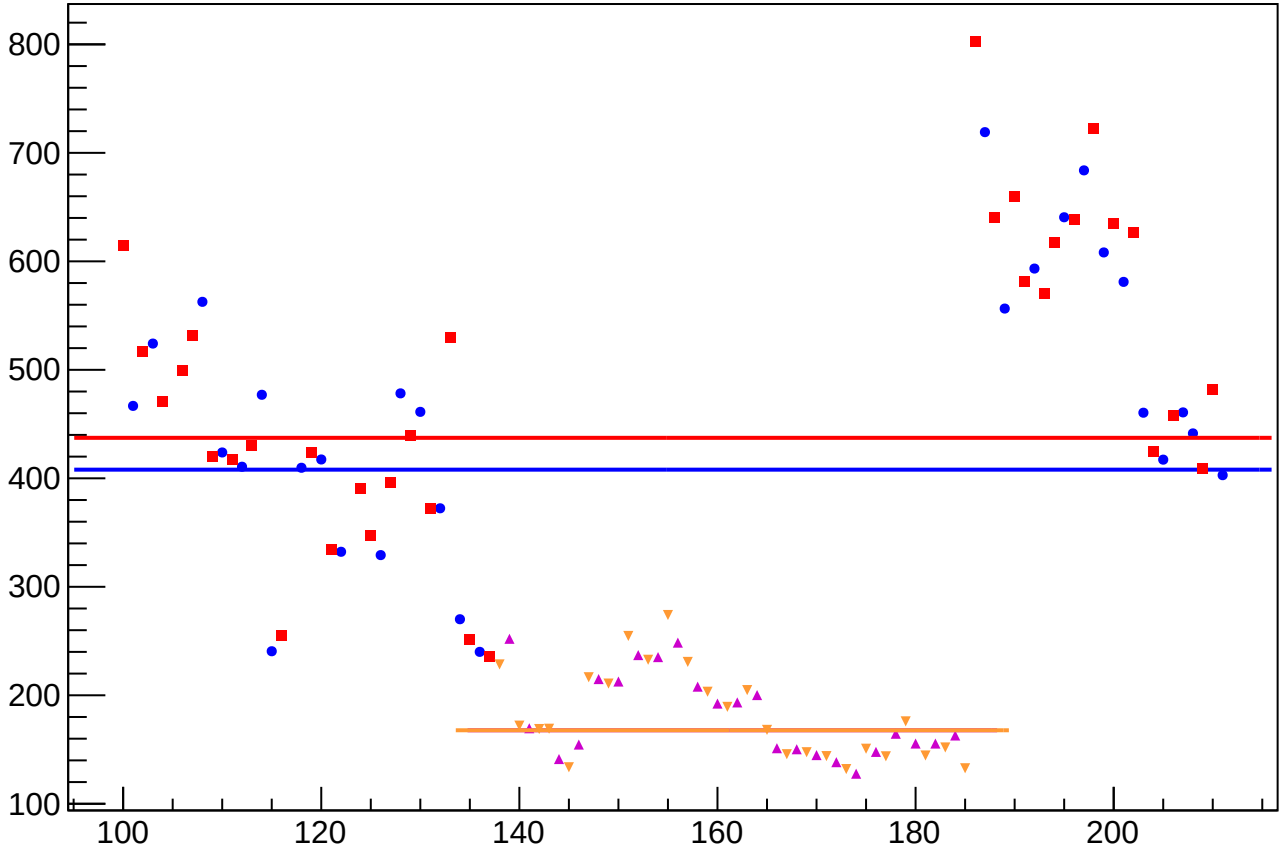
Right: -6.135+/-75.117 χ^2/NDF: 78.0/60

In: 19.682+/-37.431 χ^2/NDF:66.3/50

Out: 113.343+/-36.708 χ^2/NDF:120.4/57

All: 67.426+/-26.209 χ^2/NDF: 189.9/108

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 407.979+/-0.074 χ^2/NDF: 2695234.0/27

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.318+/-0.076 χ^2/NDF: 2869815.8/32

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

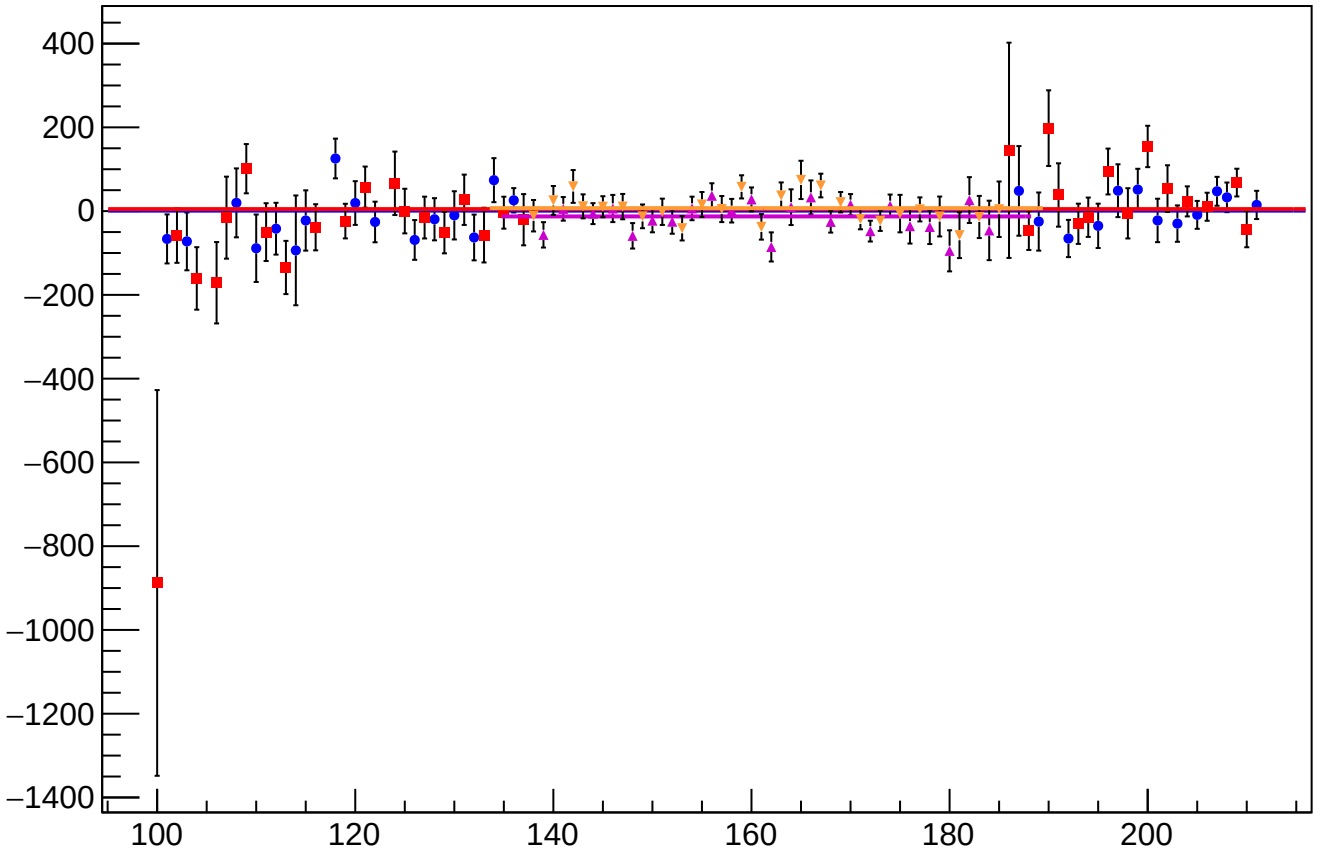
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 422.268+/-0.053 χ^2/NDF: 5641269.8/60

In: 198.348+/-0.026 χ^2/NDF:13254992.6/50

Out: 199.106+/-0.026 χ^2/NDF:15532920.9/57

All: 198.735+/-0.019 χ^2/NDF: 28788331.3/10



Right In: 1.213+/-9.241 χ^2/NDF: 26.8/27

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 4.802+/-9.272 χ^2/NDF: 51.5/32

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

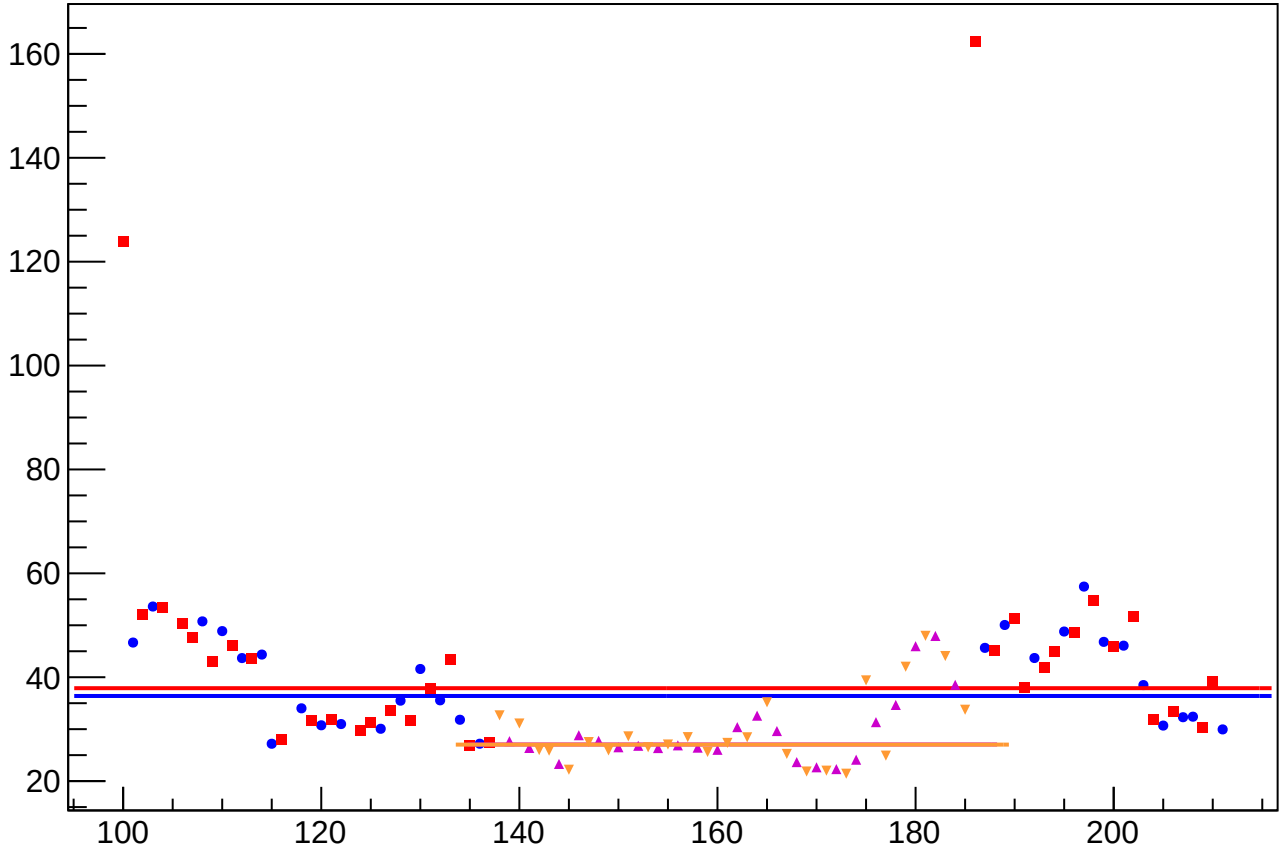
Right: 3.002+/-6.546 χ^2/NDF: 78.4/60

In: -8.080+/-5.324 χ^2/NDF:53.9/50

Out: 6.355+/-5.230 χ^2/NDF:74.3/57

All: -0.734+/-3.731 χ^2/NDF: 131.9/108

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 36.389+/-0.007 χ^2/NDF: 1510922.6/27

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.889+/-0.007 χ^2/NDF: 2074863.9/32

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

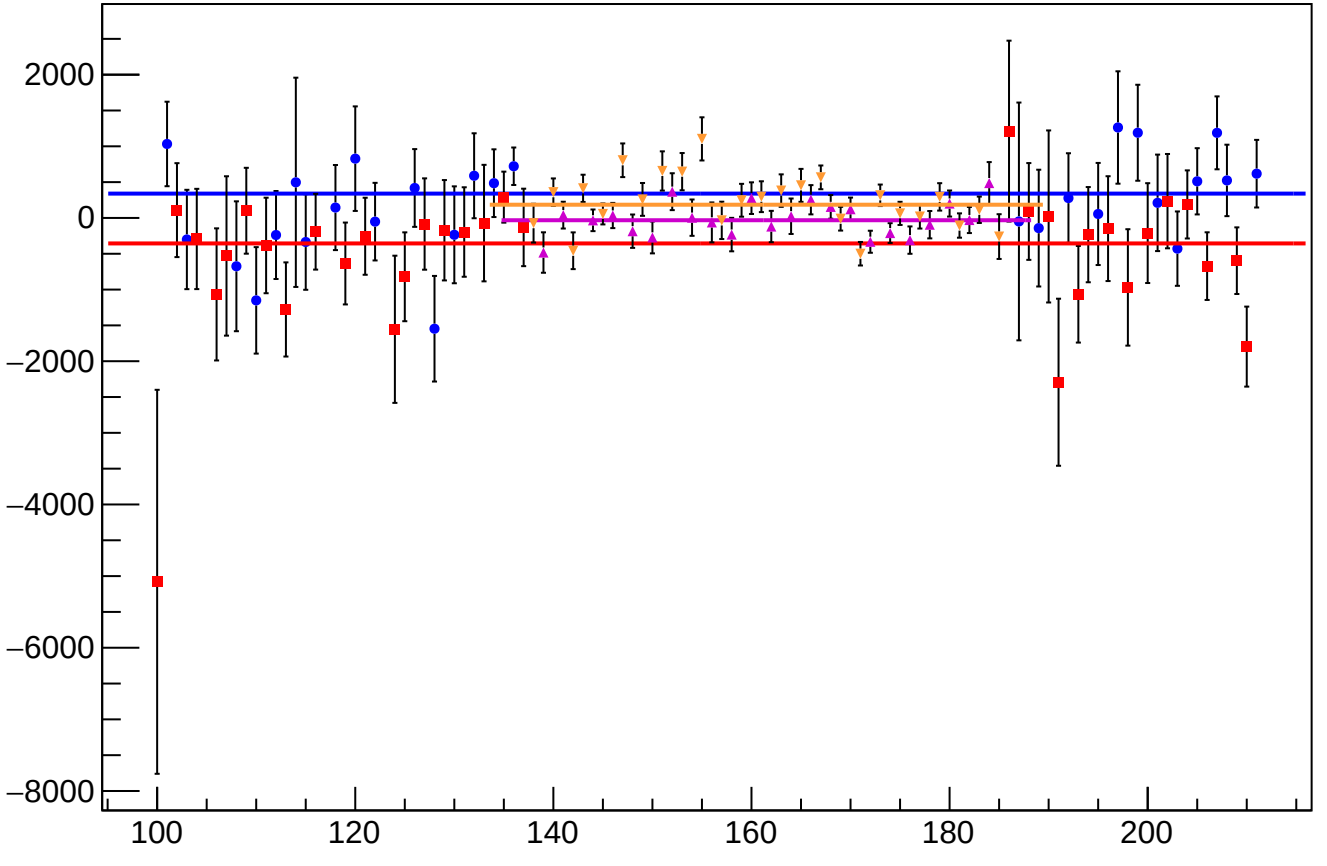
Right: 37.137+/-0.005 χ^2/NDF: 3612052.4/60

In: 30.151+/-0.004 χ^2/NDF:3919259.8/50

Out: 30.482+/-0.004 χ^2/NDF:5377202.2/57

All: 30.319+/-0.003 χ^2/NDF: 9300397.6/108

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 339.776+/-109.090 χ^2/NDF: 29.4/27

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -355.797+/-111.413 χ^2/NDF: 29.1/32

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

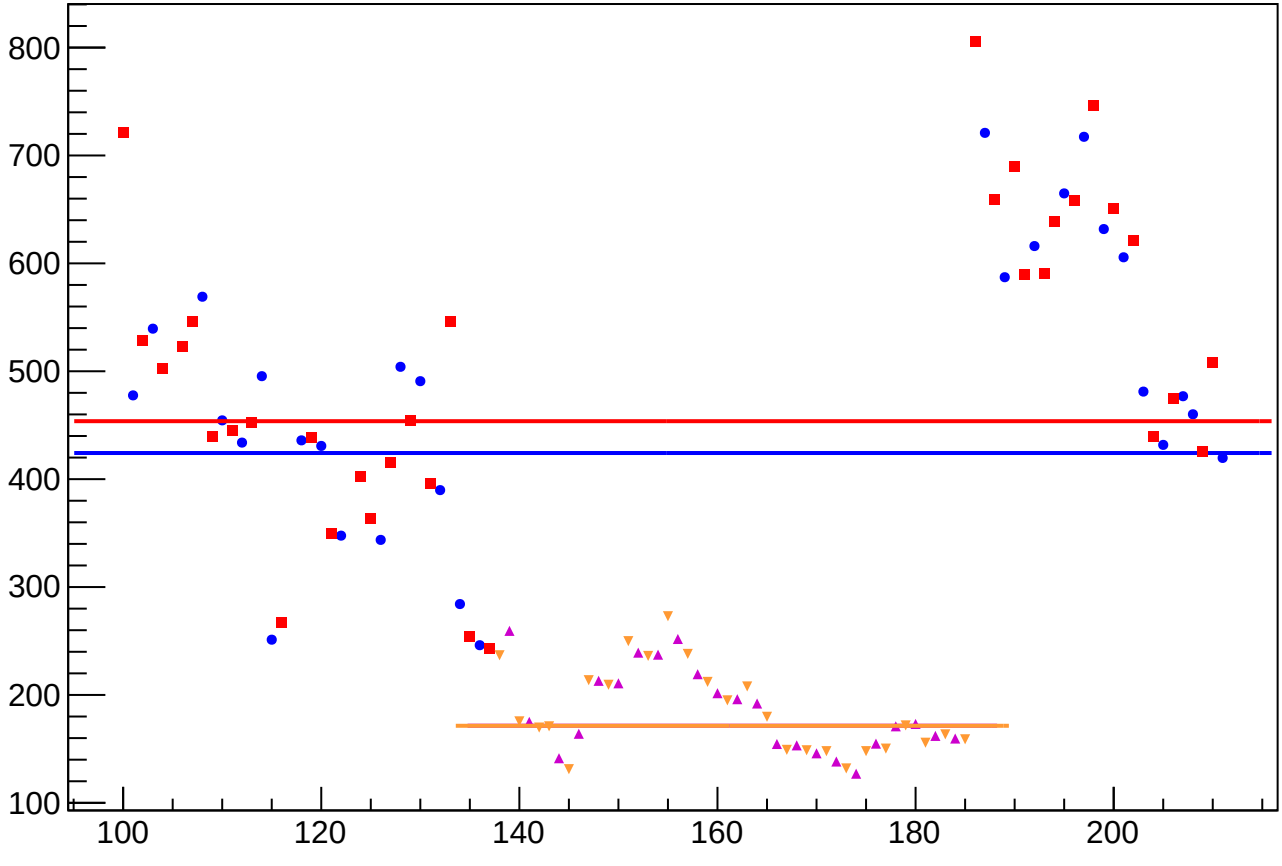
Right: -0.684+/-77.947 χ^2/NDF: 78.4/60

In: 14.061+/-38.358 χ^2/NDF:65.9/50

Out: 123.422+/-37.507 χ^2/NDF:117.7/57

All: 69.969+/-26.817 χ^2/NDF: 187.8/108

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.231+/-0.077 χ^2/NDF: 2735775.6/27

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.735+/-0.079 χ^2/NDF: 2854606.9/32

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

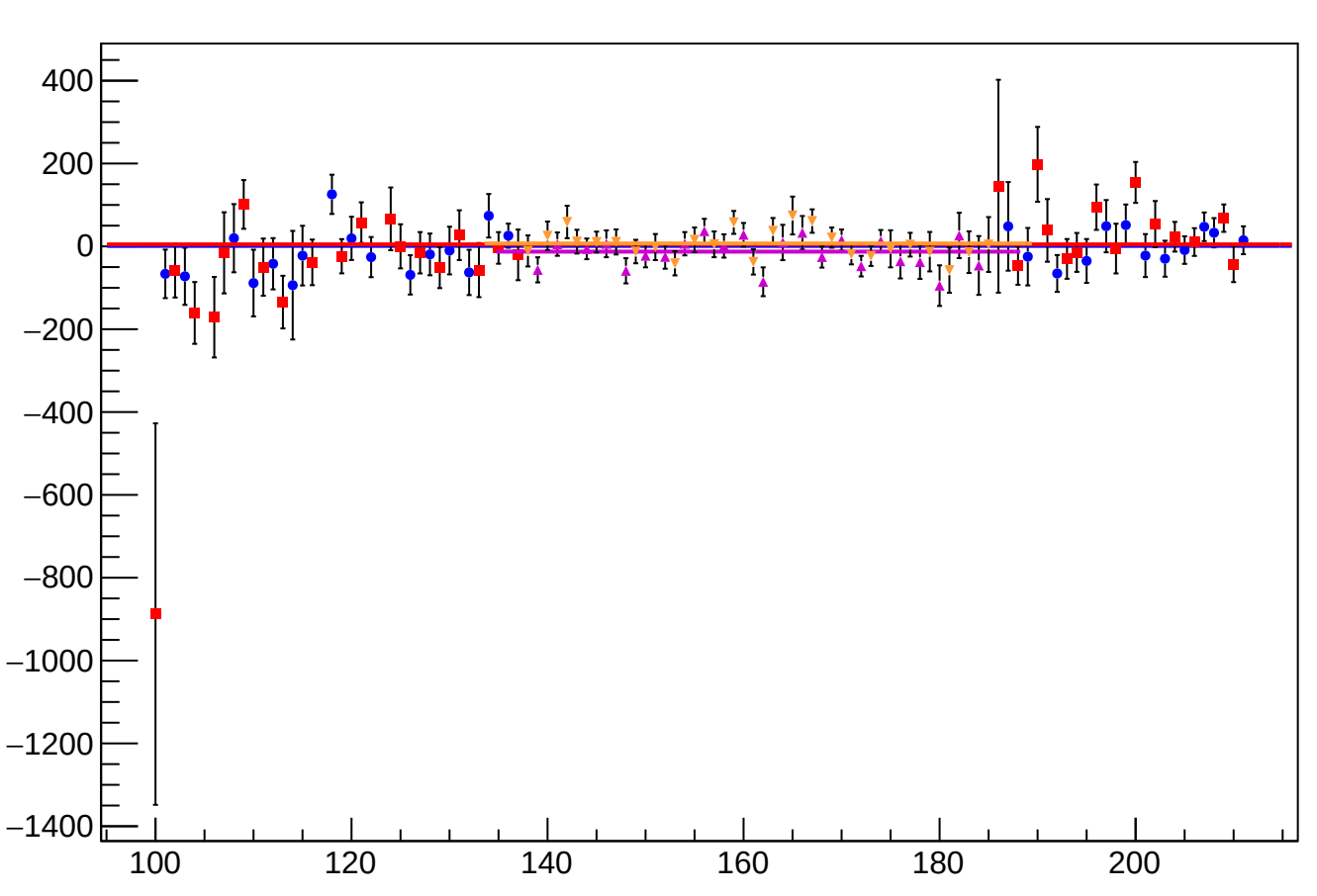
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 438.672+/-0.055 χ^2/NDF: 5661983.4/60

In: 202.738+/-0.027 χ^2/NDF:13559517.7/50

Out: 203.421+/-0.027 χ^2/NDF:15767257.0/57

All: 203.087+/-0.019 χ^2/NDF: 29327098.9/10



Right In: 1.212+/-9.241 χ^2/NDF: 26.8/27

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 4.802+/-9.272 χ^2/NDF: 51.5/32

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

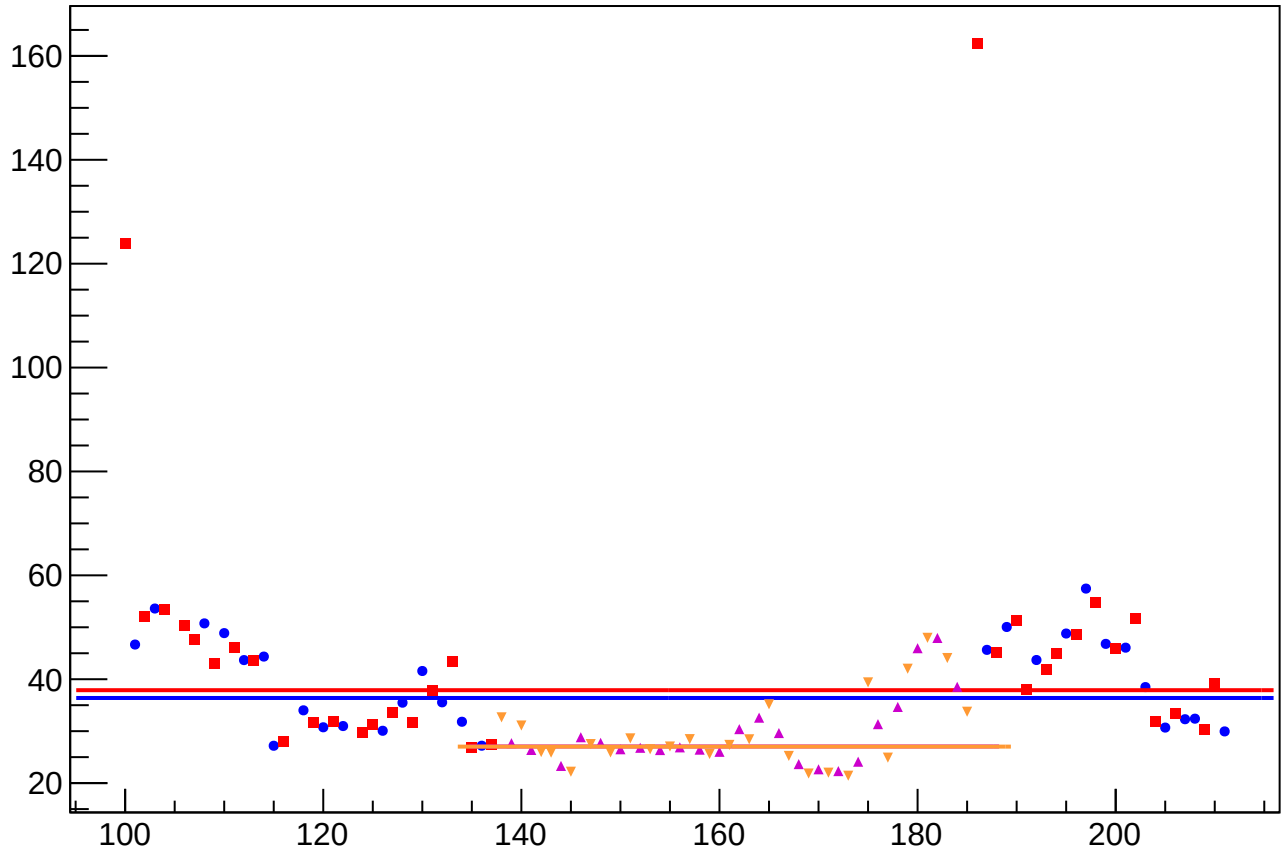
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 3.001+/-6.545 χ^2/NDF: 78.4/60

In: -8.081+/-5.324 χ^2/NDF:53.9/50

Out: 6.355+/-5.230 χ^2/NDF:74.3/57

All: -0.734+/-3.731 χ^2/NDF: 131.9/108



Right In: 36.389+/-0.007 χ^2/NDF: 1510896.7/27

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.889+/-0.007 χ^2/NDF: 2074847.4/32

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

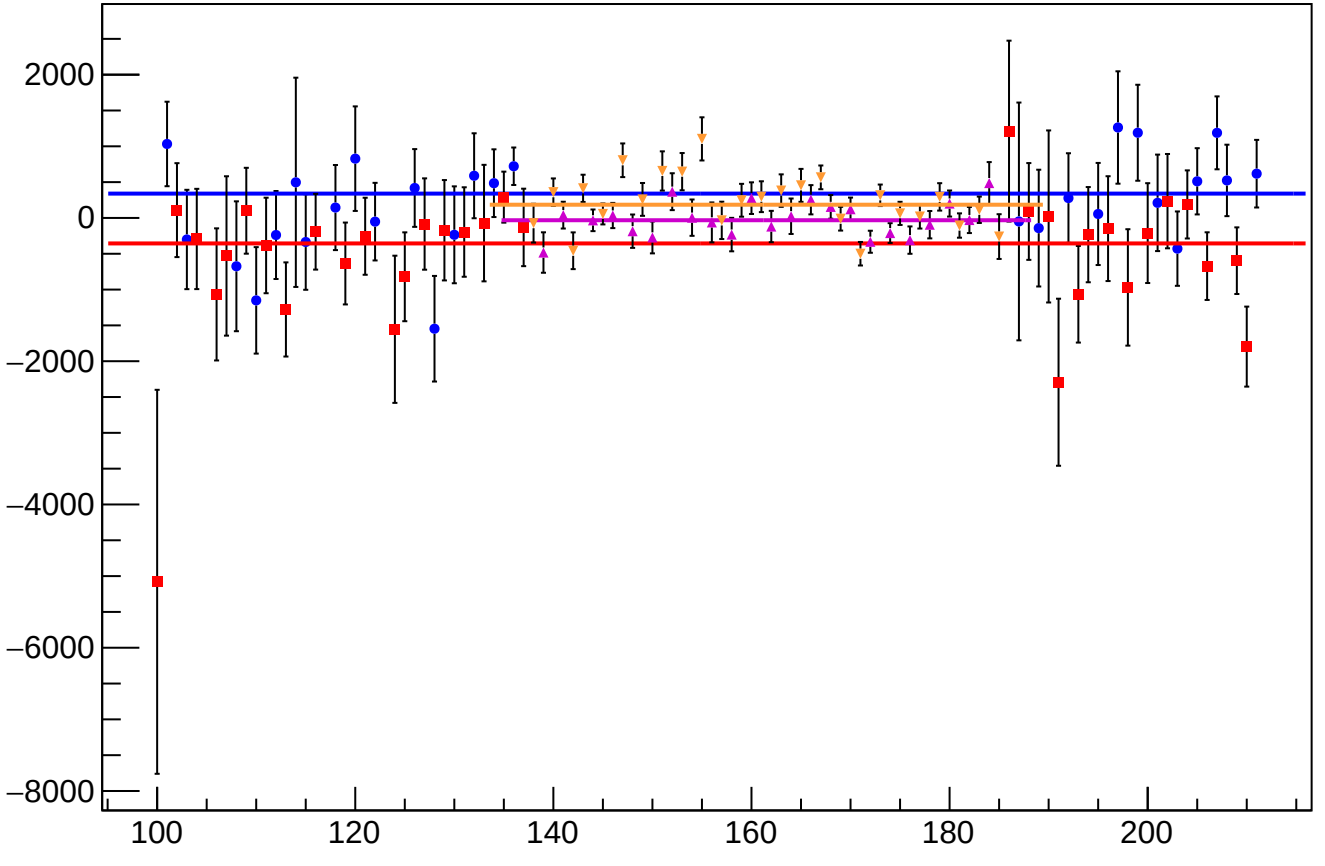
Right: 37.136+/-0.005 χ^2/NDF: 3612015.1/60

In: 30.151+/-0.004 χ^2/NDF:3919139.9/50

Out: 30.482+/-0.004 χ^2/NDF:5377139.8/57

All: 30.319+/-0.003 χ^2/NDF: 9300216.7/108

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 339.774+/-109.090 χ^2/NDF: 29.4/27

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -355.797+/-111.413 χ^2/NDF: 29.1/32

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

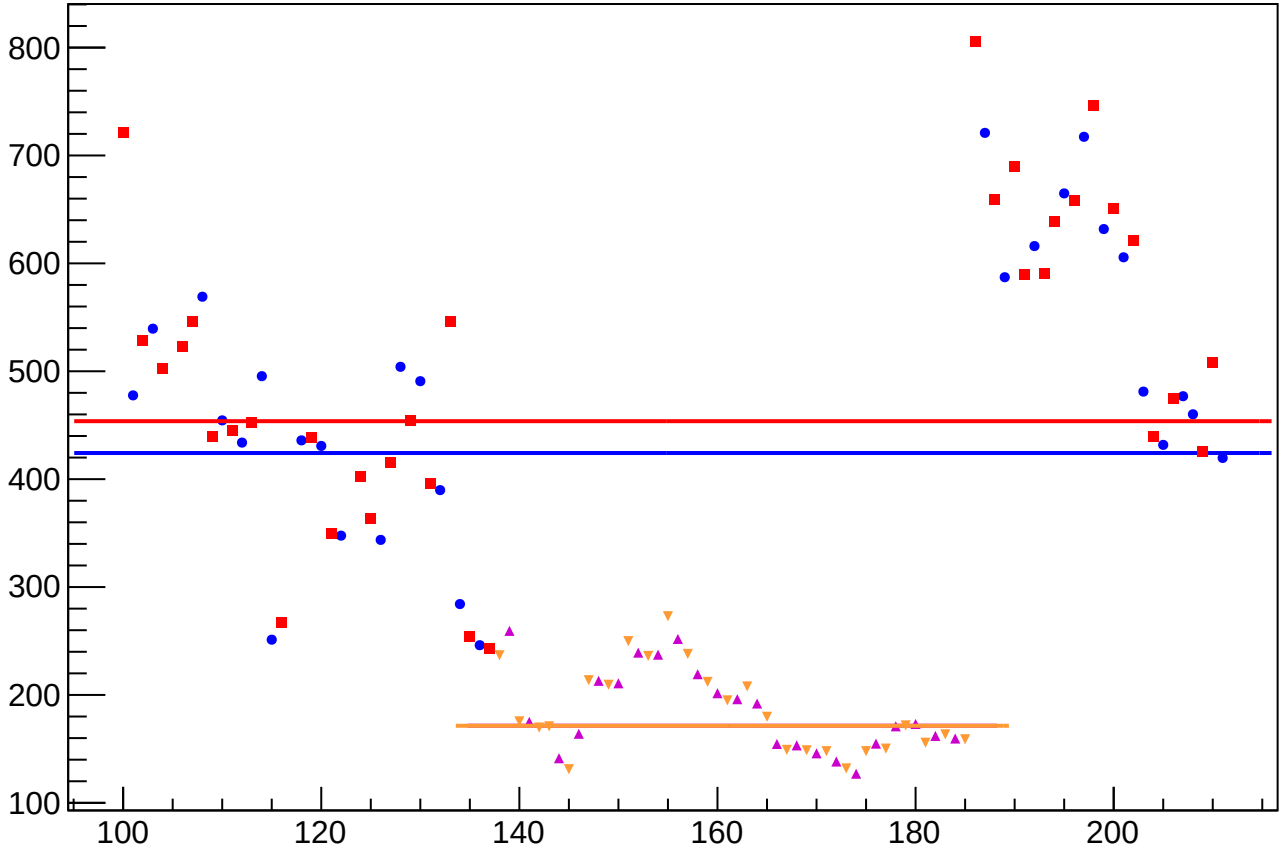
Right: -0.684+/-77.947 χ^2/NDF: 78.4/60

In: 14.060+/-38.358 χ^2/NDF:65.9/50

Out: 123.422+/-37.507 χ^2/NDF:117.7/57

All: 69.968+/-26.817 χ^2/NDF: 187.8/108

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.231+/-0.077 χ^2/NDF: 2735783.0/27

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.734+/-0.079 χ^2/NDF: 2854618.7/32

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

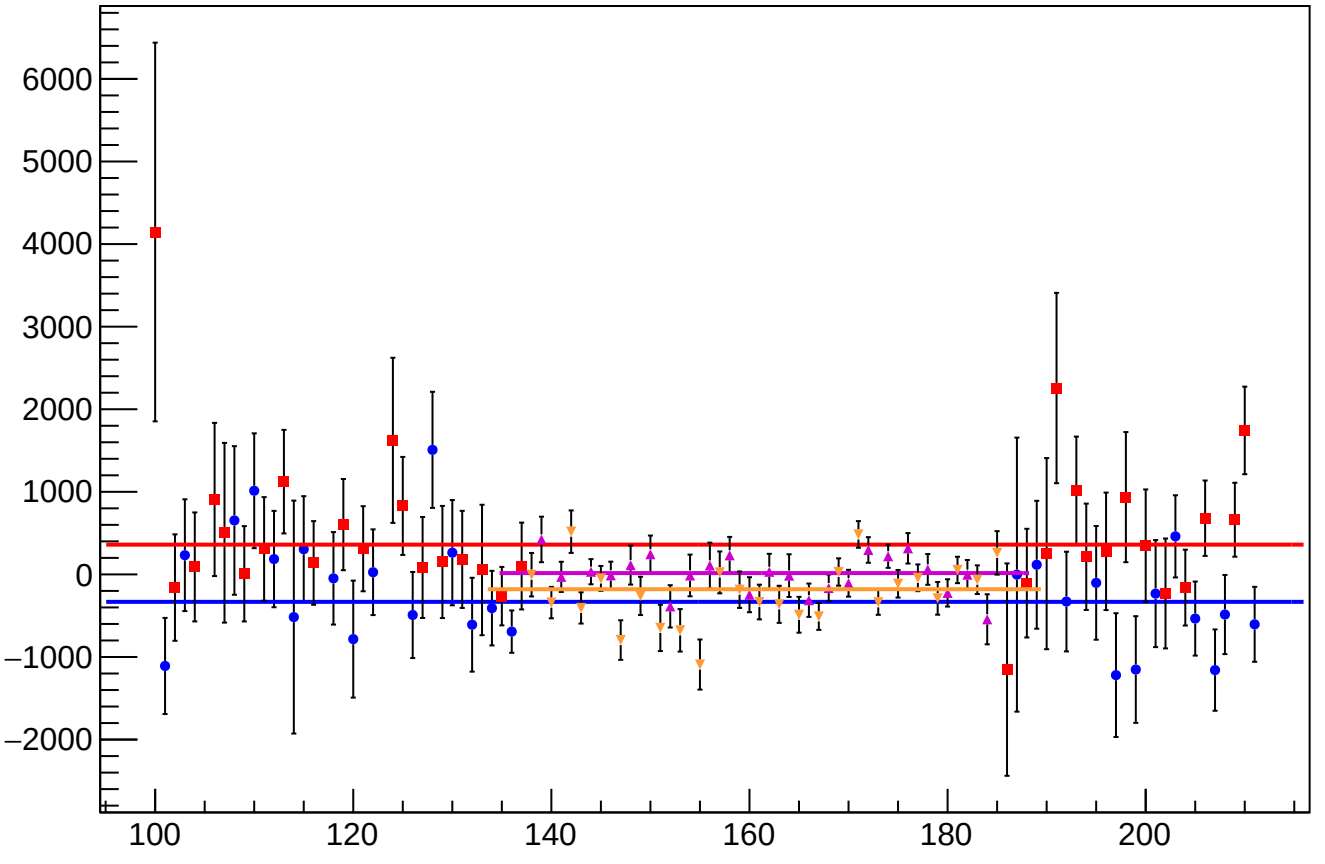
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 438.671+/-0.055 χ^2/NDF: 5662003.3/60

In: 202.737+/-0.027 χ^2/NDF:13559565.5/50

Out: 203.421+/-0.027 χ^2/NDF:15767312.3/57

All: 203.087+/-0.019 χ^2/NDF: 29327202.2/10



Right In: -332.257+/-105.190 χ^2/NDF: 30.0/27

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 360.500+/-107.845 χ^2/NDF: 28.3/32

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

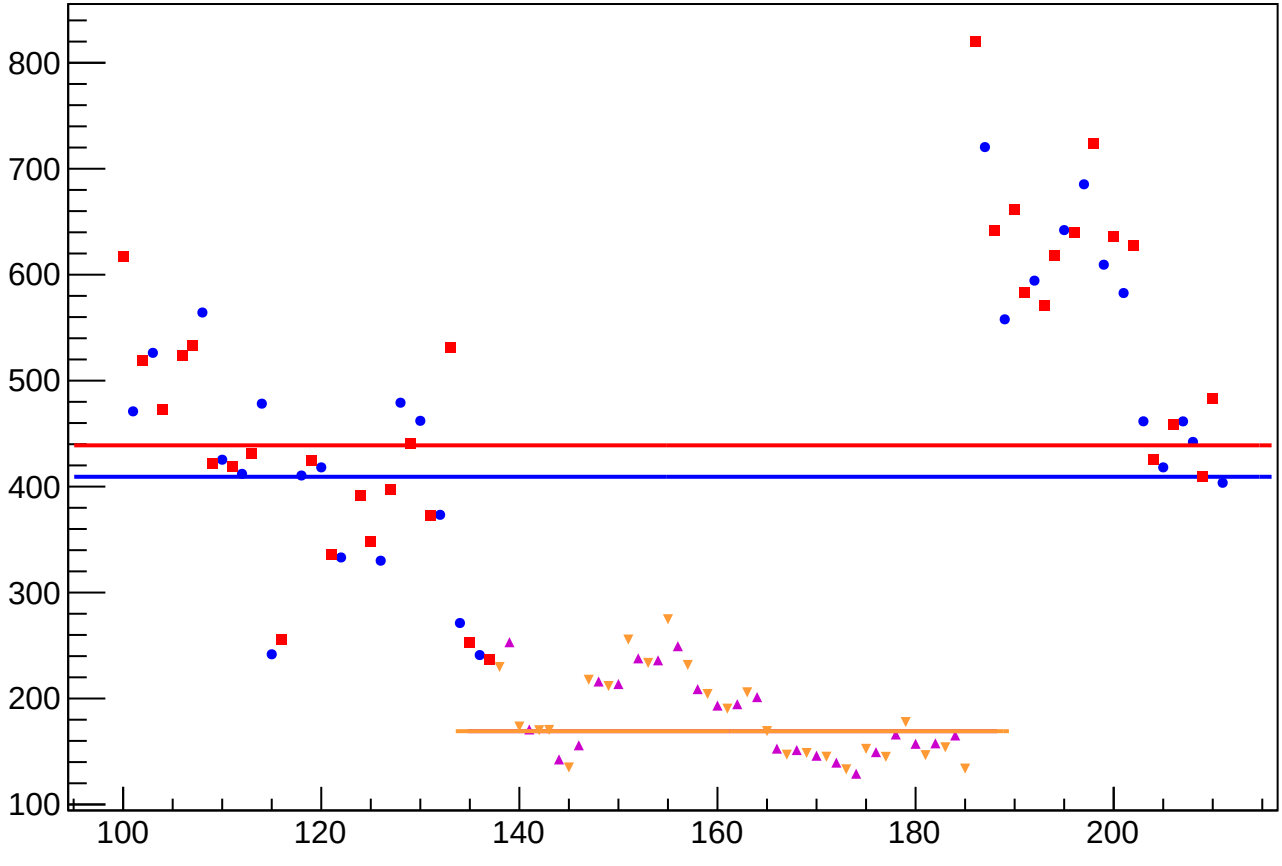
Right: 5.489+/-75.301 χ^2/NDF: 79.4/60

In: -28.710+/-37.711 χ^2/NDF:66.1/50

Out: -116.153+/-36.977 χ^2/NDF:117.6/57

All: -73.290+/-26.402 χ^2/NDF: 186.4/108

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 409.271+/-0.074 χ^2/NDF: 2685769.6/27

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.941+/-0.076 χ^2/NDF: 2877799.9/32

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

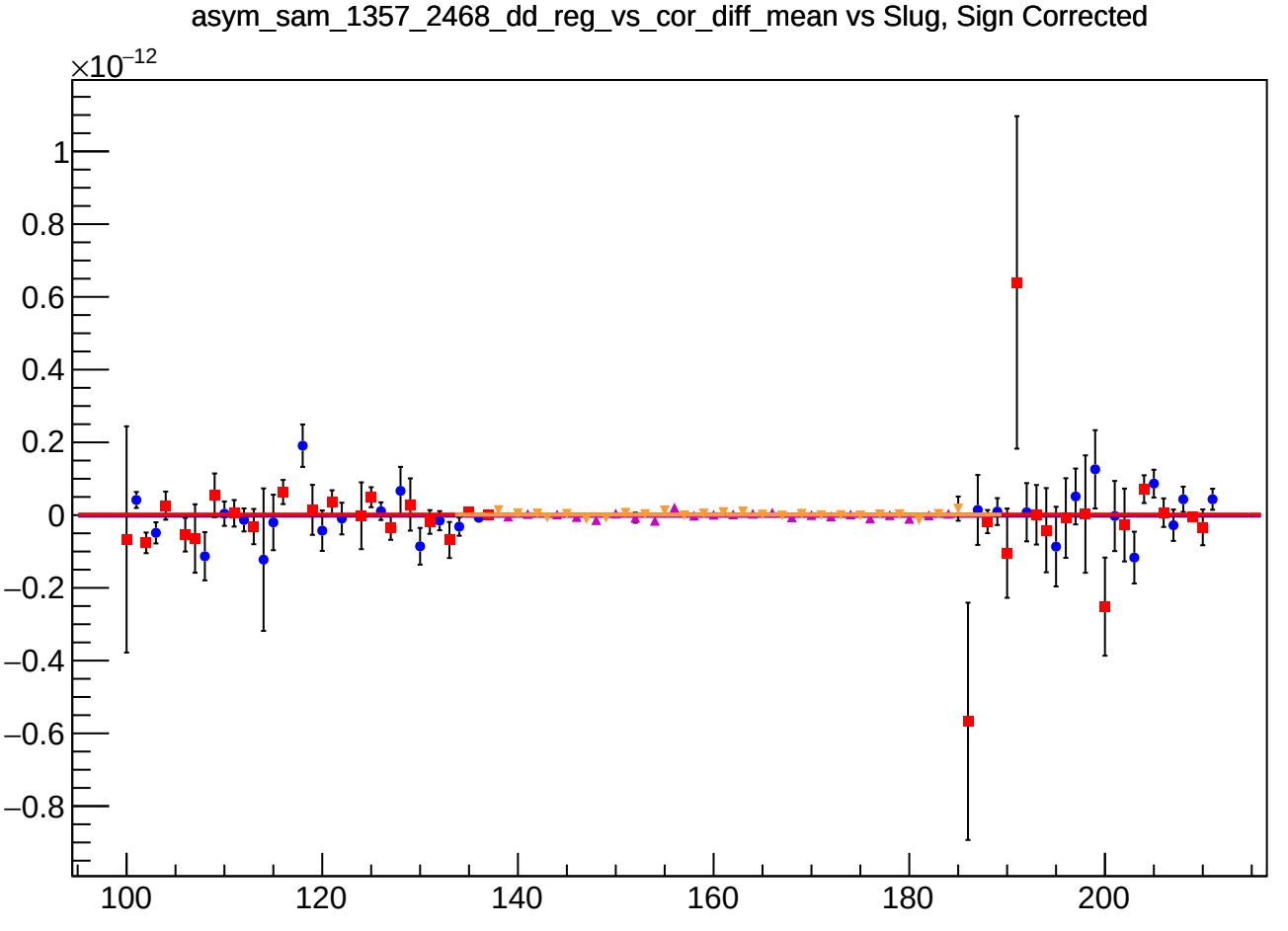
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 423.736+/-0.053 χ^2/NDF: 5641142.5/60

In: 200.044+/-0.027 χ^2/NDF:13139802.7/50

Out: 200.896+/-0.026 χ^2/NDF:15468077.3/57

All: 200.478+/-0.019 χ^2/NDF: 28608400.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 42.9/27

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/32

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

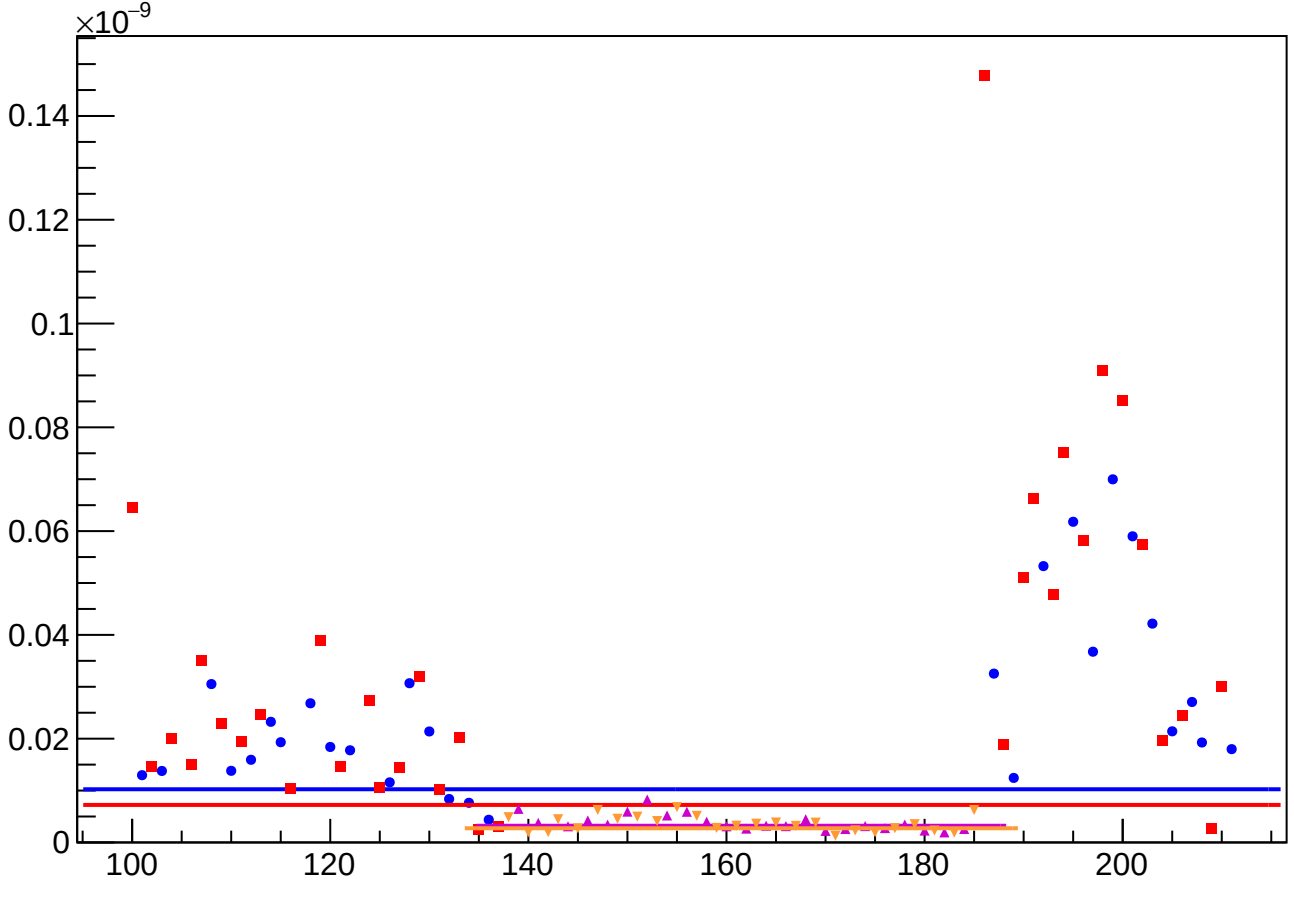
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 80.5/60

In: -0.000+/-0.000 χ^2/NDF:62.6/50

Out: 0.000+/-0.000 χ^2/NDF:56.2/57

All: 0.000+/-0.000 χ^2/NDF: 121.7/108



Right In: 0.000+/-0.000 χ^2/NDF: 5918431.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9188427.4/32

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

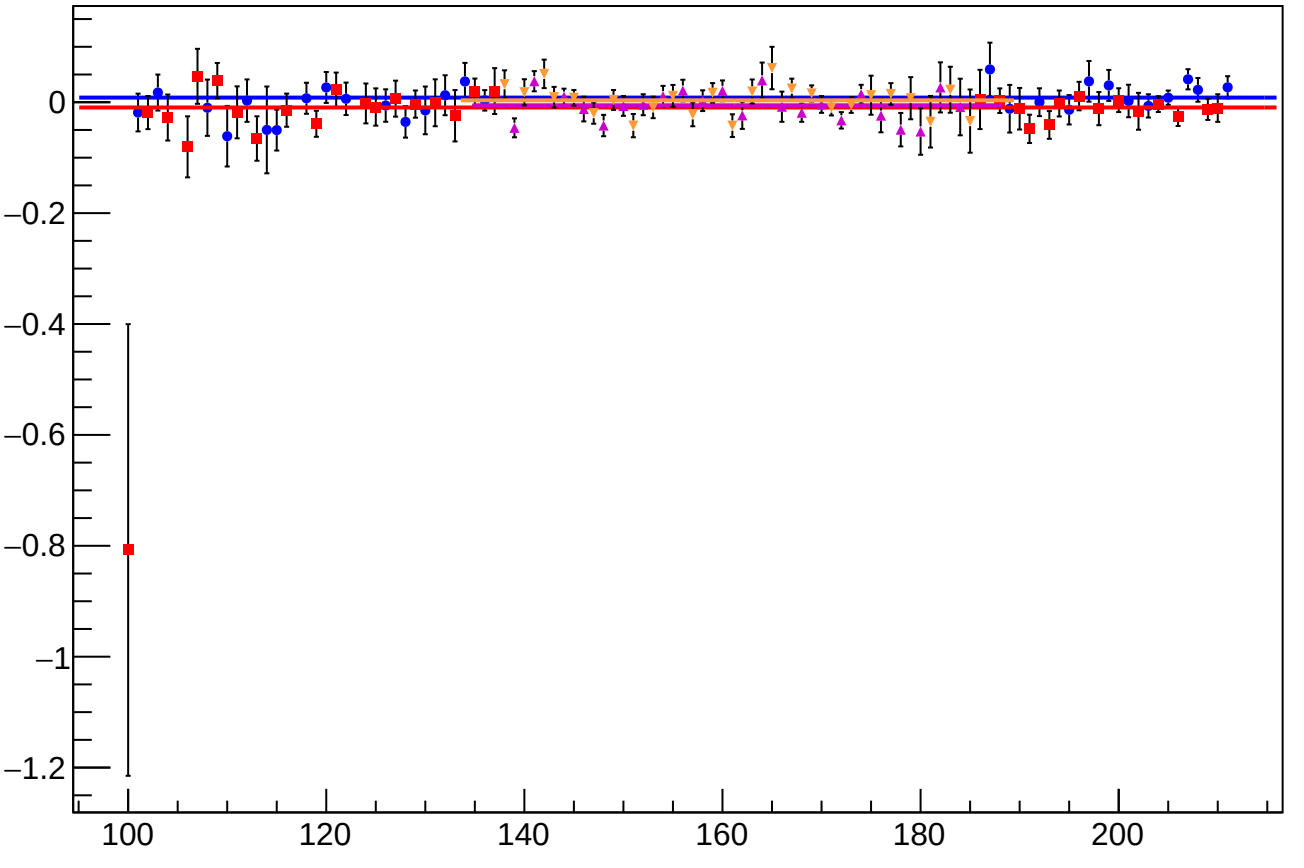
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15480640.8/60

In: 0.000+/-0.000 χ^2/NDF:10601001.7/50

Out: 0.000+/-0.000 χ^2/NDF:12933204.4/57

All: 0.000+/-0.000 χ^2/NDF: 23804634.2/108



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

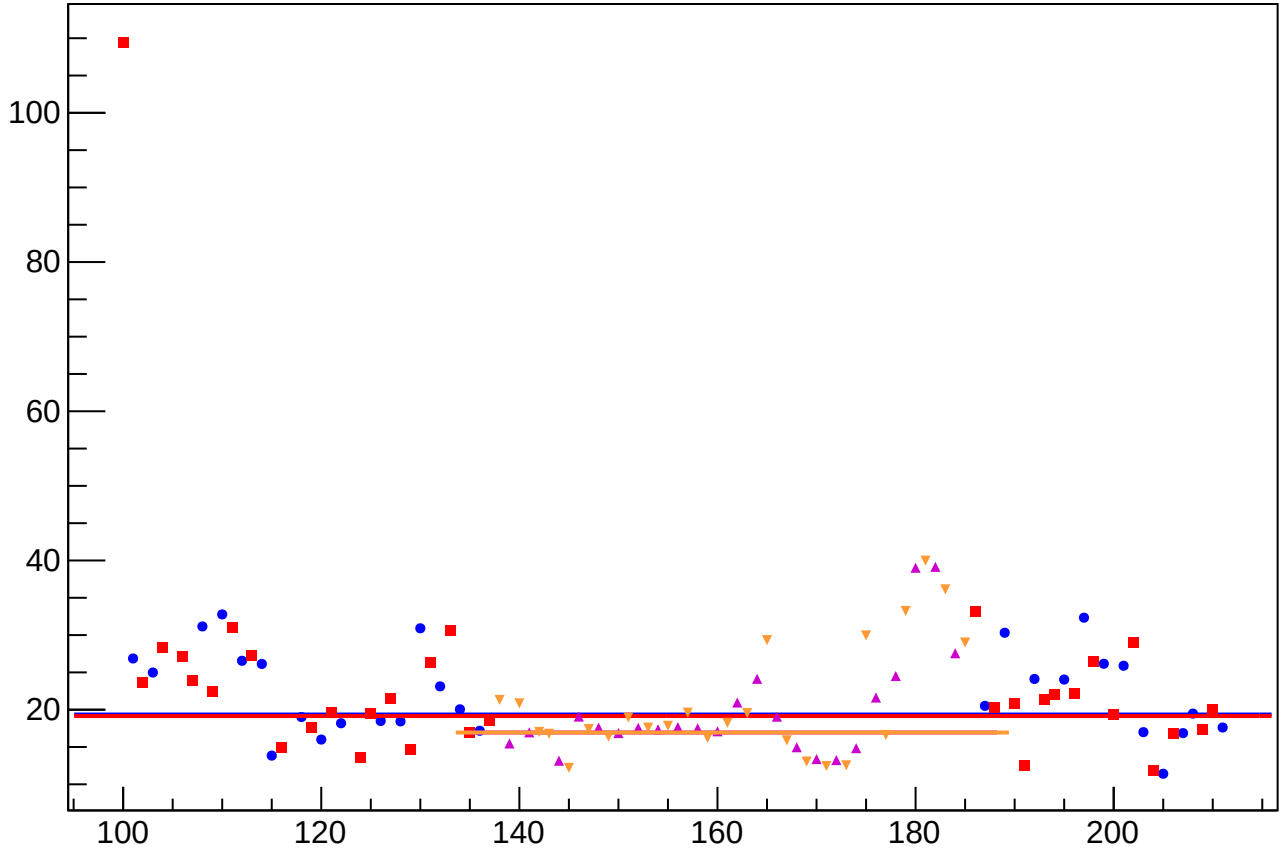
Right: -0.001+/-0.004 χ^2/NDF: 47.6/60

In: 0.000+/-0.003 χ^2/NDF:55.9/50

Out: -0.002+/-0.003 χ^2/NDF:54.0/57

All: -0.001+/-0.002 χ^2/NDF: 110.1/108

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.351+/-0.004 χ^2/NDF: 2317811.2/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.149+/-0.003 χ^2/NDF: 2133718.9/32

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

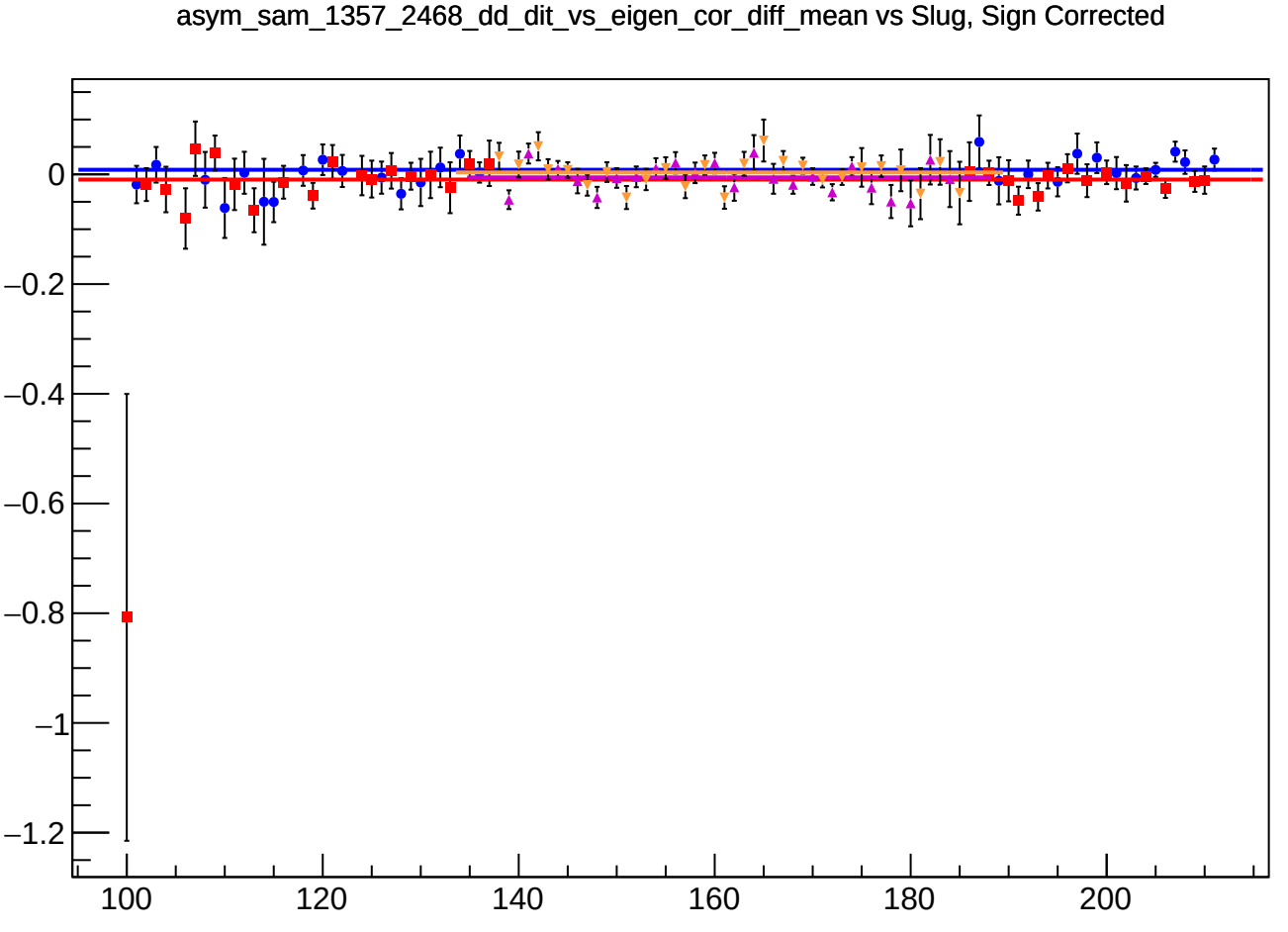
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.245+/-0.002 χ^2/NDF: 4453177.1/60

In: 17.915+/-0.002 χ^2/NDF:4526280.1/50

Out: 17.858+/-0.002 χ^2/NDF:5213331.3/57

All: 17.885+/-0.002 χ^2/NDF: 9739938.8/108



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

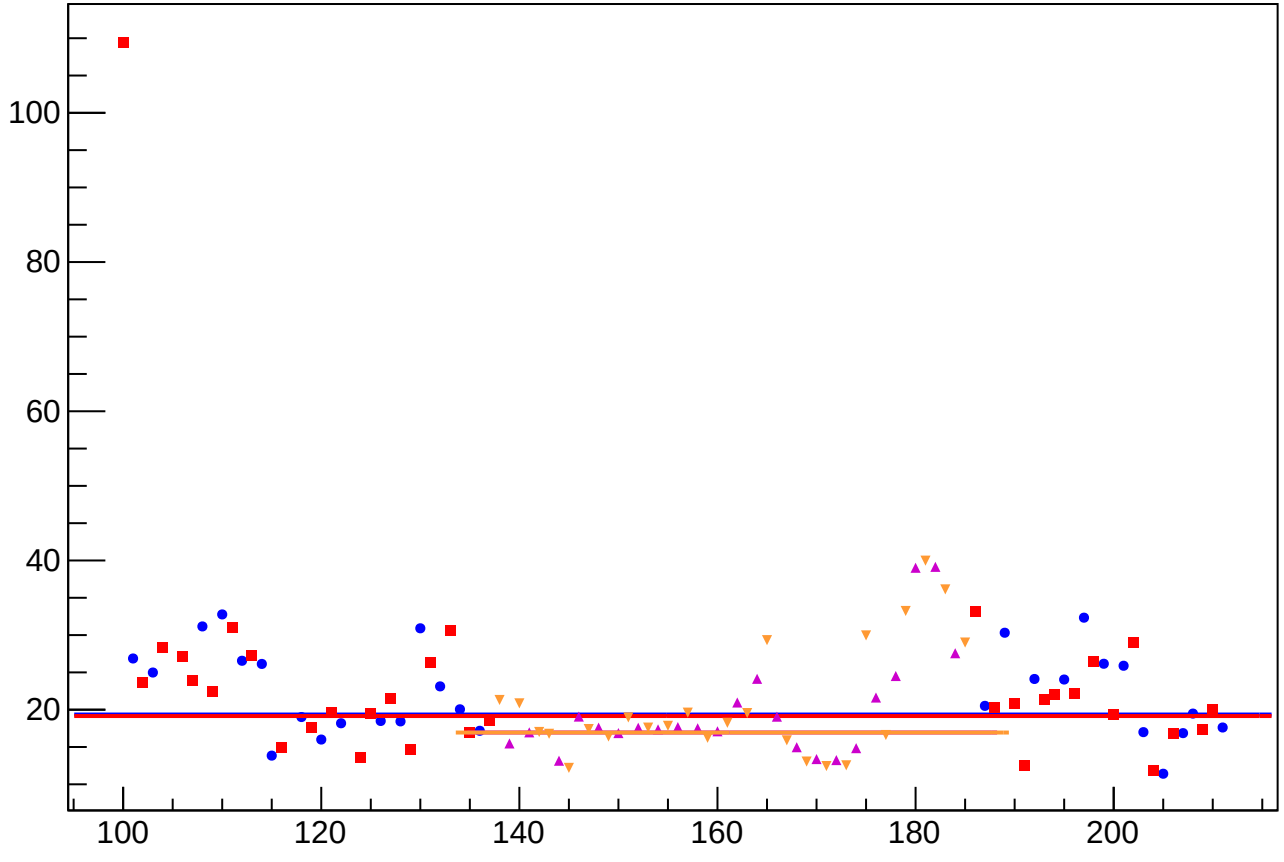
Right: -0.001+/-0.004 χ^2/NDF: 47.6/60

In: 0.000+/-0.003 χ^2/NDF:55.9/50

Out: -0.002+/-0.003 χ^2/NDF:54.0/57

All: -0.001+/-0.002 χ^2/NDF: 110.1/108

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.351+/-0.004 χ^2/NDF: 2317811.2/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.149+/-0.003 χ^2/NDF: 2133718.9/32

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

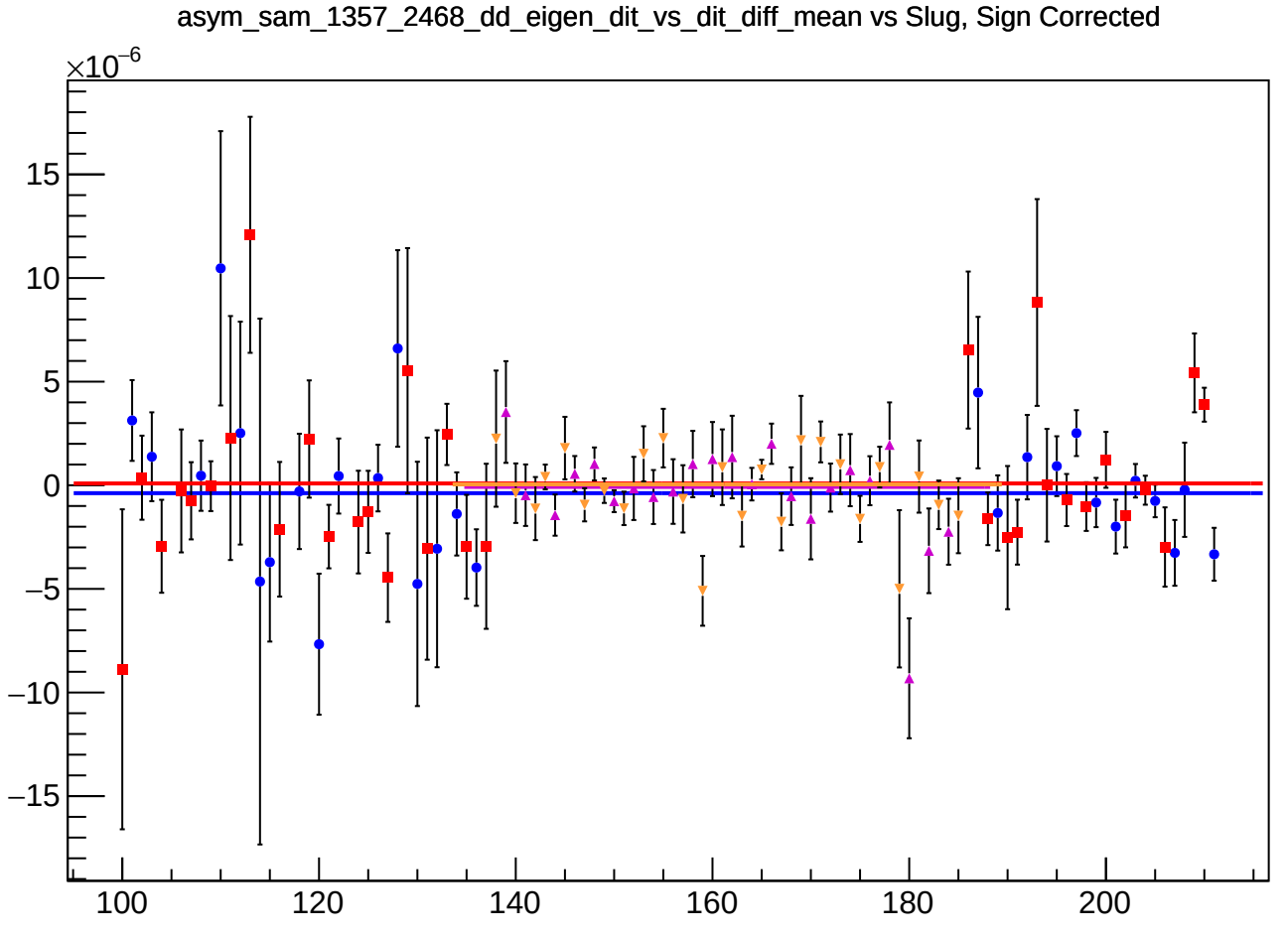
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.245+/-0.002 χ^2/NDF: 4453177.1/60

In: 17.915+/-0.002 χ^2/NDF:4526280.1/50

Out: 17.858+/-0.002 χ^2/NDF:5213331.3/57

All: 17.885+/-0.002 χ^2/NDF: 9739938.8/108



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 69.0/32

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

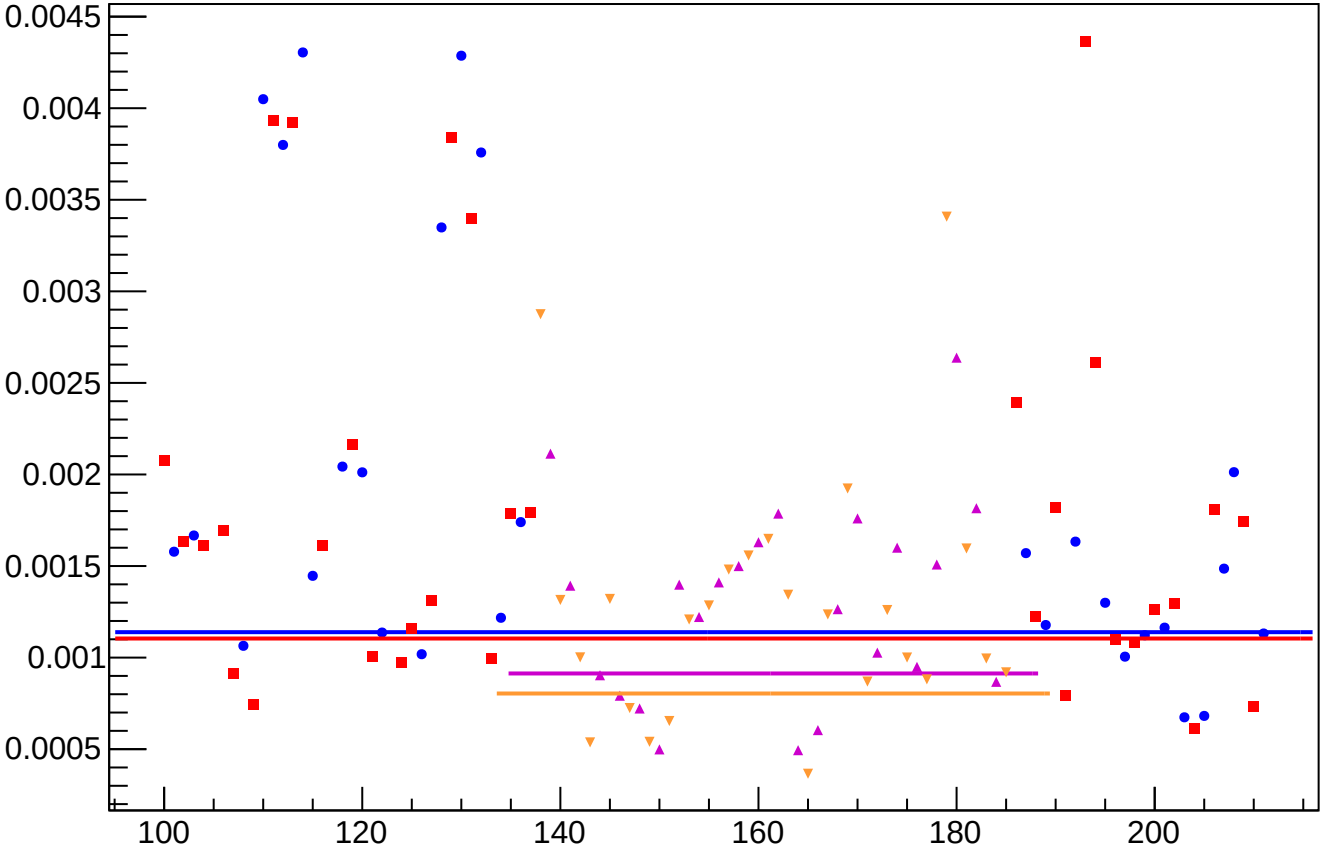
Right: -0.000+/-0.000 χ^2/NDF: 111.8/60

In: -0.000+/-0.000 χ^2/NDF:73.1/50

Out: 0.000+/-0.000 χ^2/NDF:106.2/57

All: -0.000+/-0.000 χ^2/NDF: 180.2/108

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5163257.6/27

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6710734.4/32

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

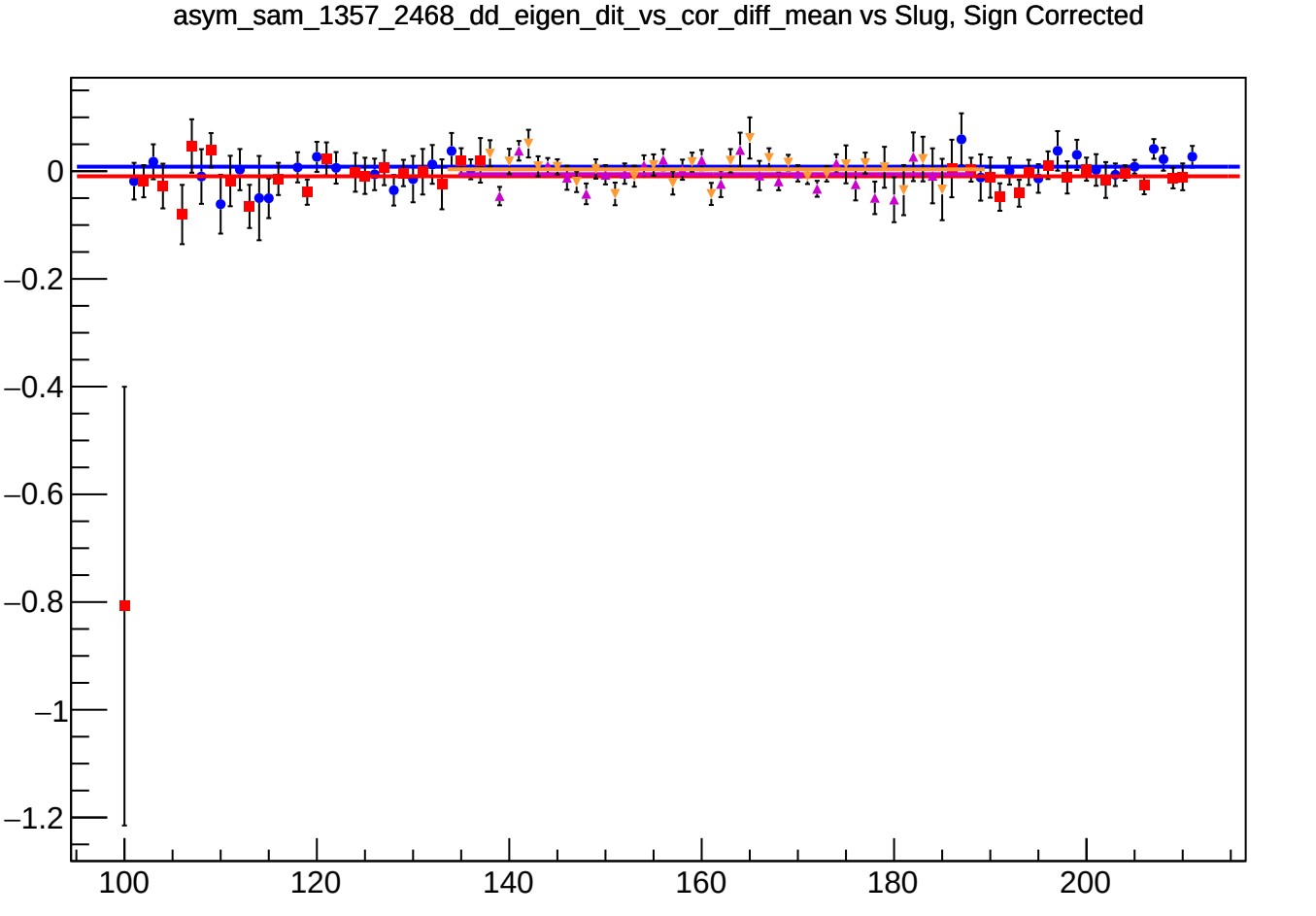
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 11886876.2/60

In: 0.001+/-0.000 χ^2/NDF:12250688.8/50

Out: 0.001+/-0.000 χ^2/NDF:16345317.1/57

All: 0.001+/-0.000 χ^2/NDF: 28862823.0/108



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

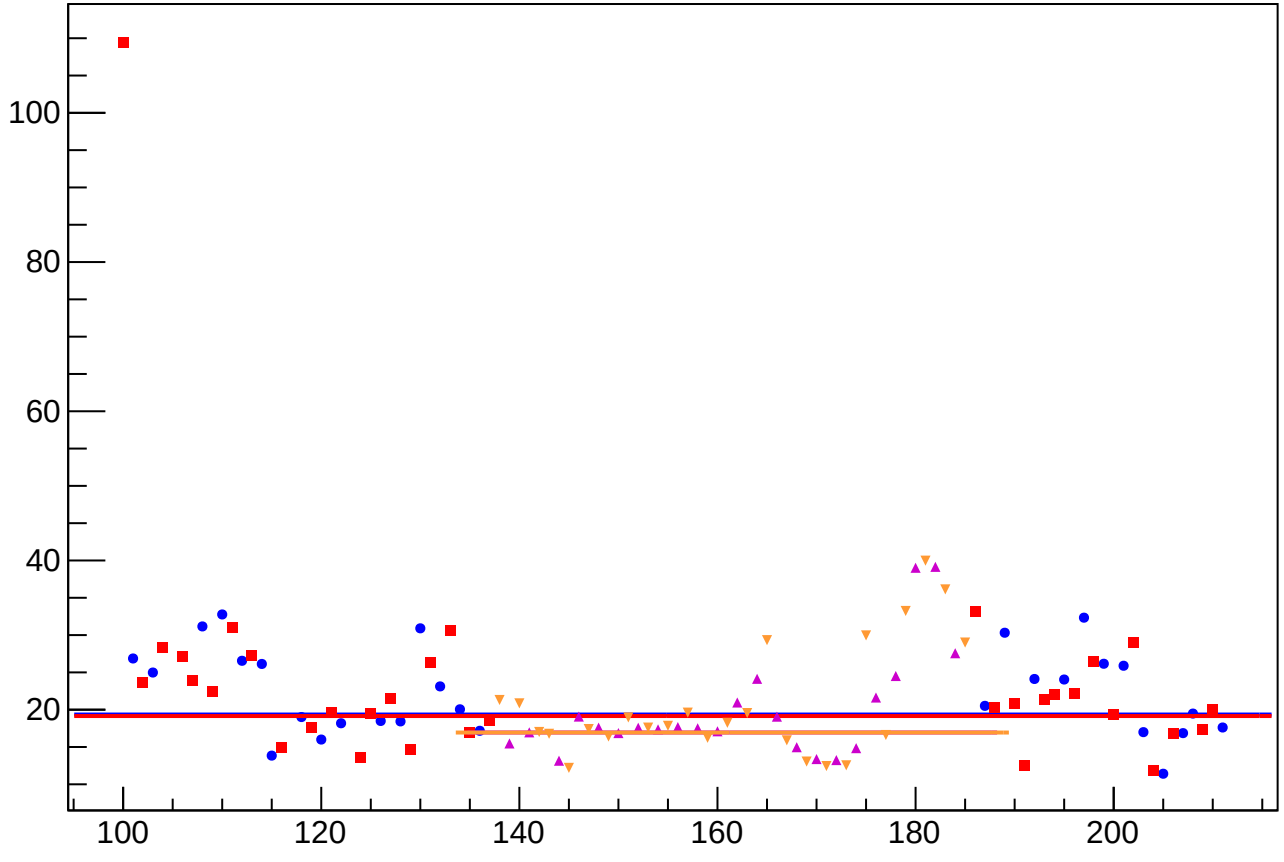
Right: -0.001+/-0.004 χ^2/NDF: 47.6/60

In: 0.000+/-0.003 χ^2/NDF:55.9/50

Out: -0.002+/-0.003 χ^2/NDF:54.0/57

All: -0.001+/-0.002 χ^2/NDF: 110.1/108

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.351+/-0.004 χ^2/NDF: 2317812.8/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.149+/-0.003 χ^2/NDF: 2133744.3/32

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

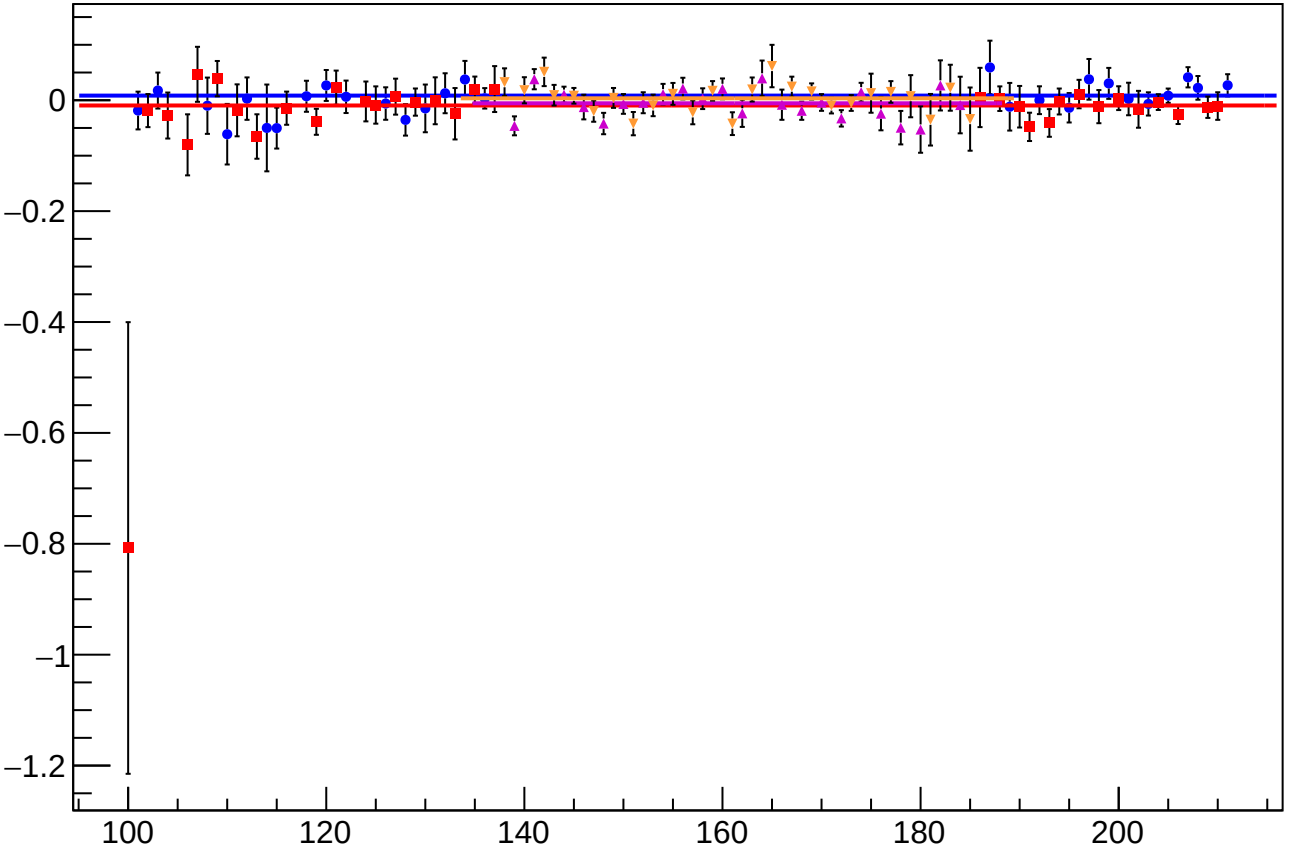
Right: 19.245+/-0.002 χ^2/NDF: 4453201.6/60

In: 17.915+/-0.002 χ^2/NDF:4526191.5/50

Out: 17.858+/-0.002 χ^2/NDF:5213278.9/57

All: 17.885+/-0.002 χ^2/NDF: 9739796.6/108

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.005 χ^2/NDF: 18.3/27

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/32

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

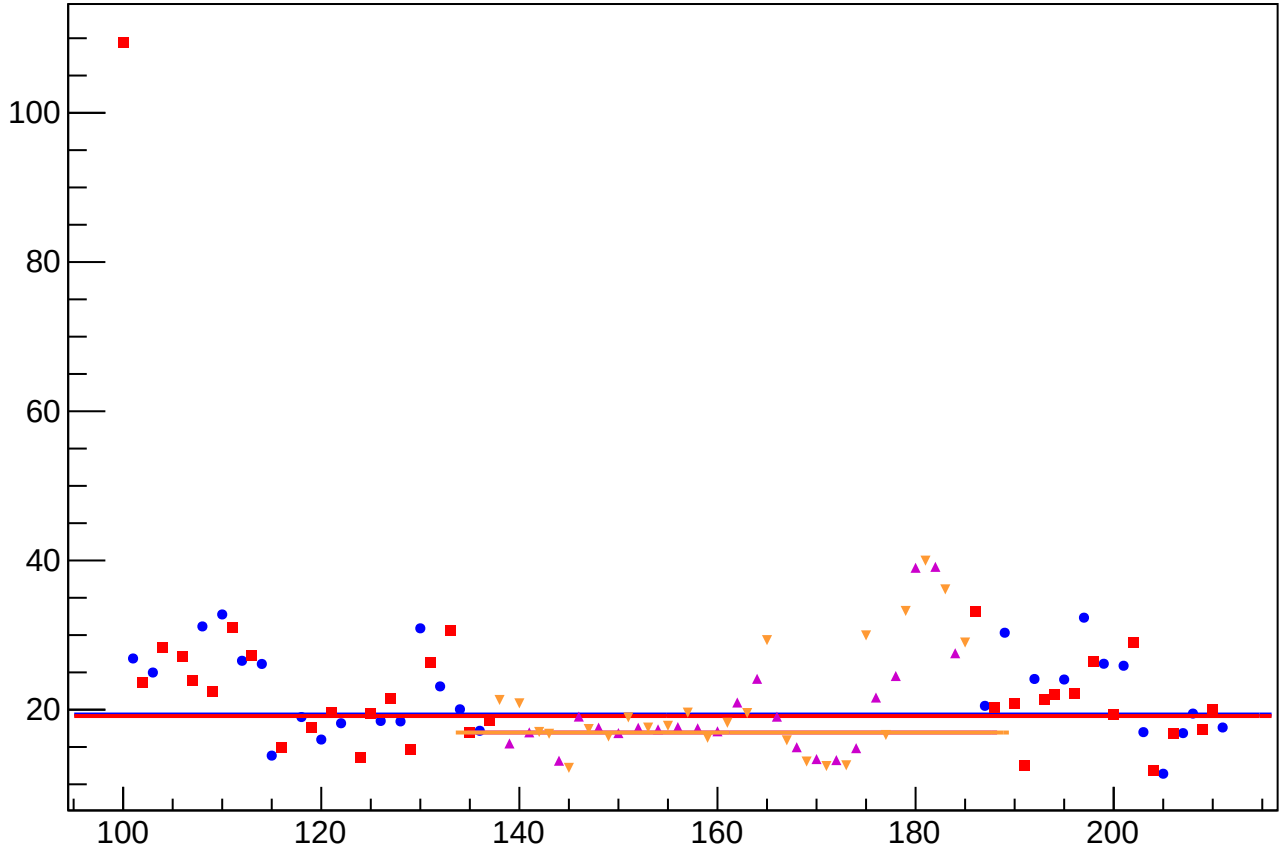
Right: -0.001+/-0.004 χ^2/NDF: 47.6/60

In: 0.000+/-0.003 χ^2/NDF:55.9/50

Out: -0.002+/-0.003 χ^2/NDF:54.0/57

All: -0.001+/-0.002 χ^2/NDF: 110.1/108

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.351+/-0.004 χ^2/NDF: 2317812.8/27

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.149+/-0.003 χ^2/NDF: 2133744.3/32

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

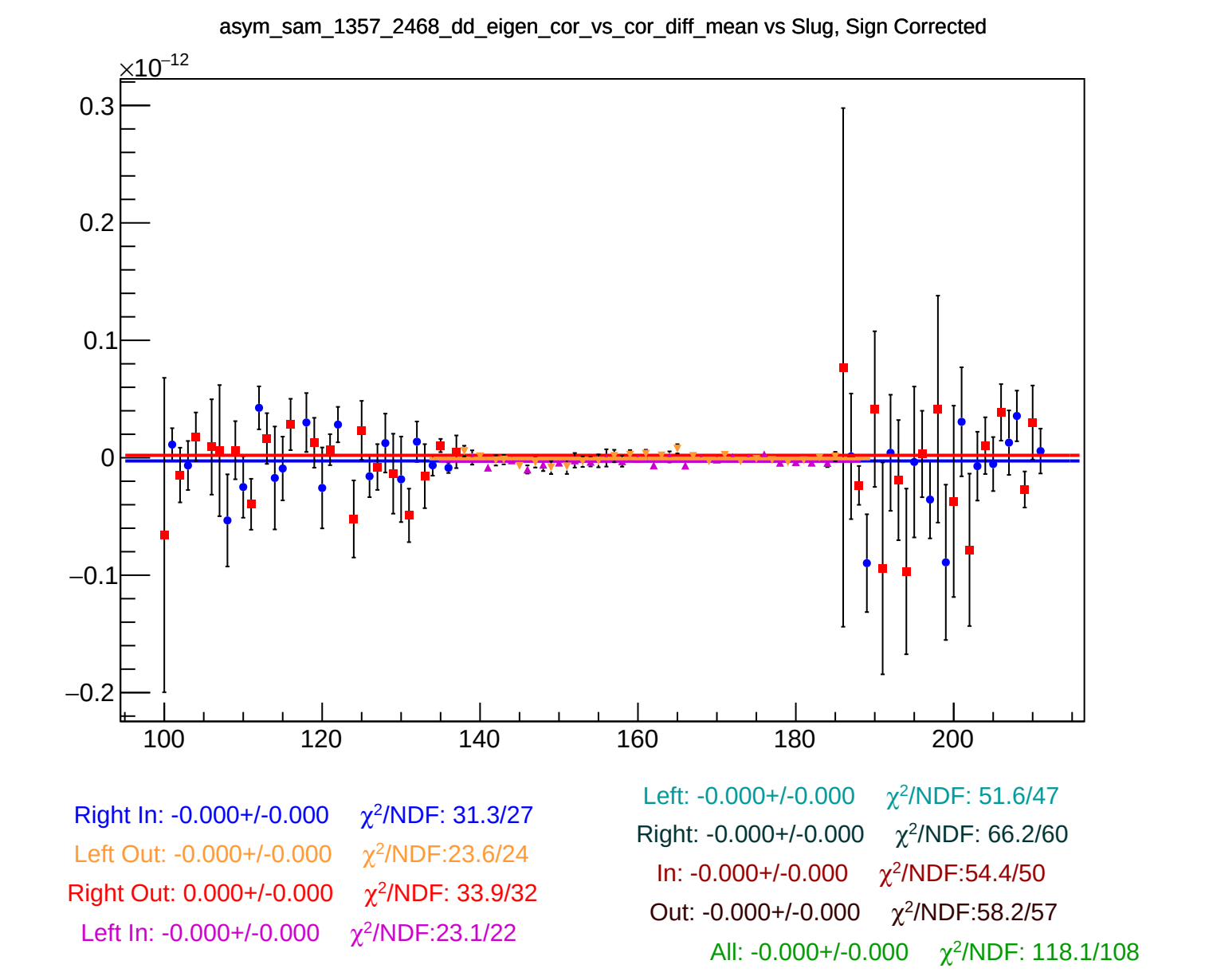
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.245+/-0.002 χ^2/NDF: 4453201.6/60

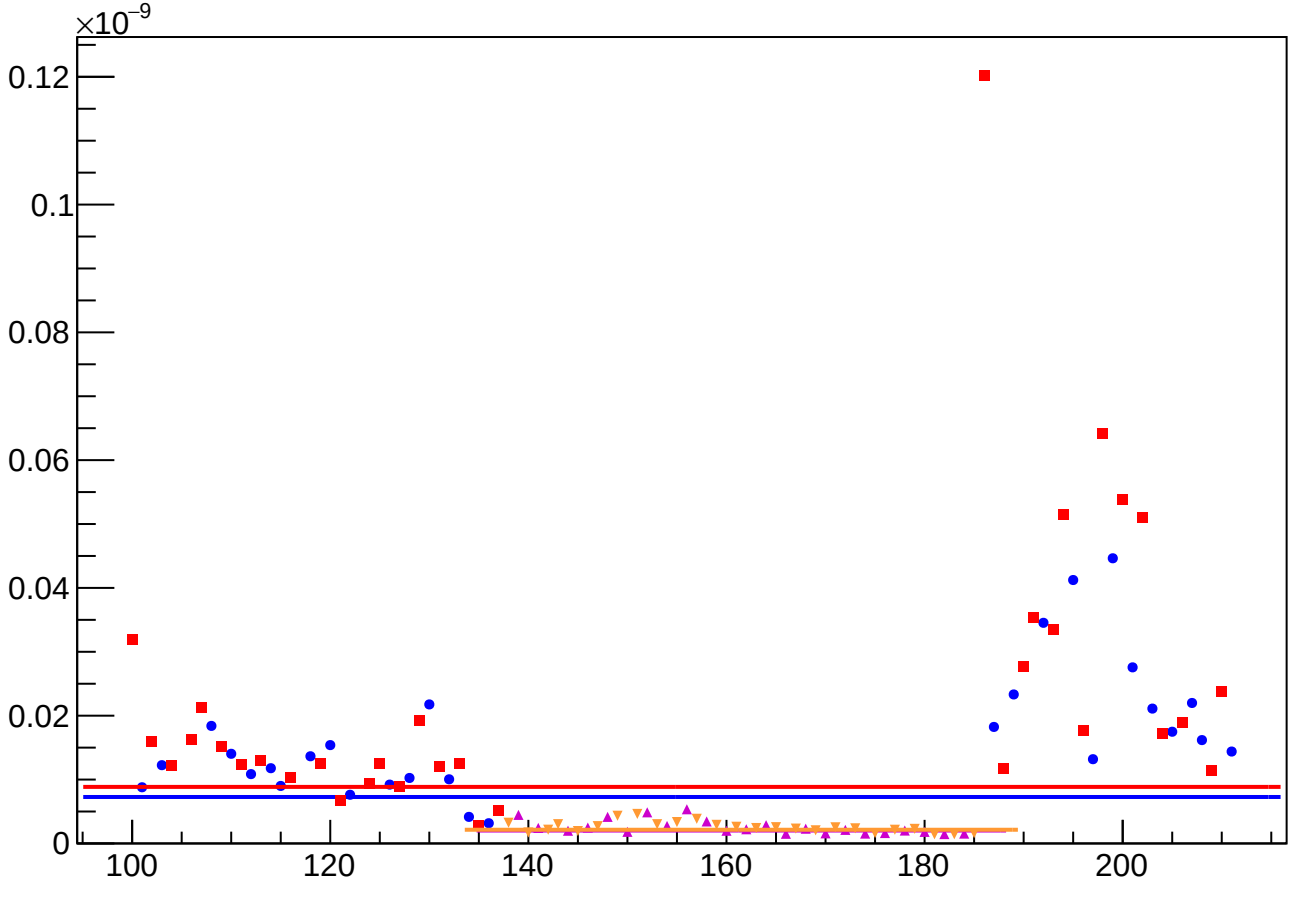
In: 17.915+/-0.002 χ^2/NDF:4526191.5/50

Out: 17.858+/-0.002 χ^2/NDF:5213278.9/57

All: 17.885+/-0.002 χ^2/NDF: 9739796.6/108


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: 31.3/27
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.9/32
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: 66.2/60
In: -0.000+/-0.000 χ²/NDF:54.4/50
Out: -0.000+/-0.000 χ²/NDF:58.2/57
All: -0.000+/-0.000 χ²/NDF: 118.1/108

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7846836.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8983467.6/32

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

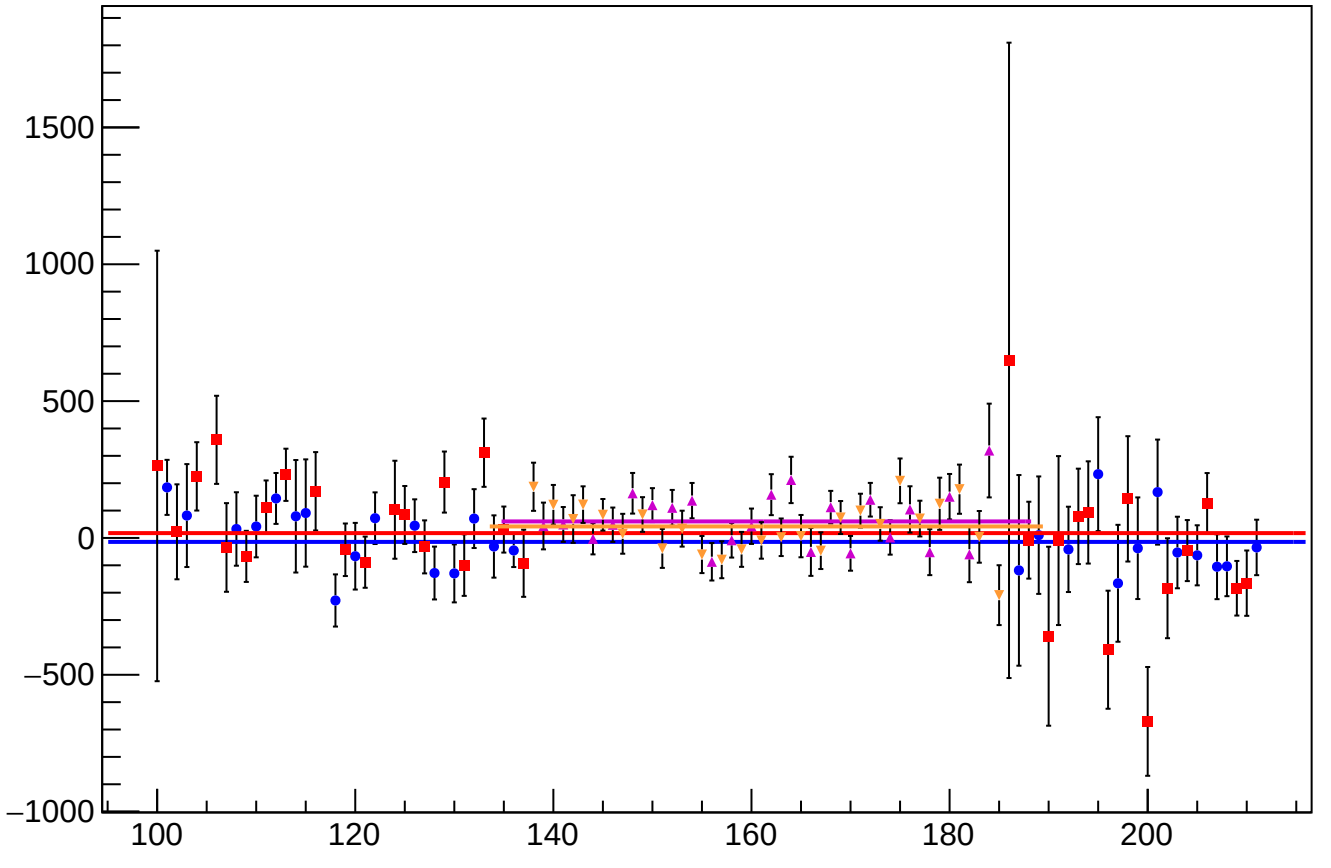
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17060778.8/60

In: 0.000+/-0.000 χ^2/NDF:15871390.1/50

Out: 0.000+/-0.000 χ^2/NDF:18264138.7/57

All: 0.000+/-0.000 χ^2/NDF: 34174282.7/108



Right In: -14.455+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 17.679+/-22.366 χ^2/NDF: 55.3/32

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

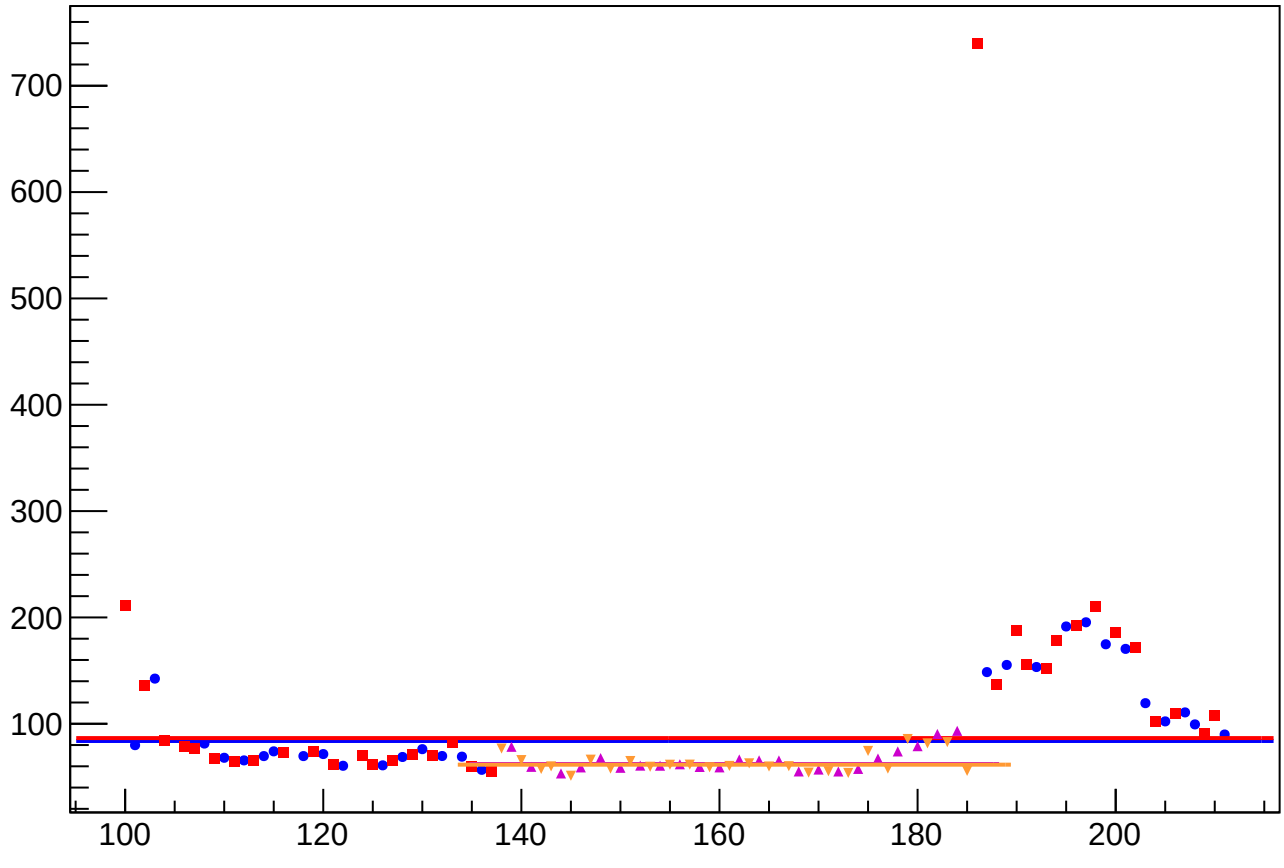
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 1.522+/-15.771 χ^2/NDF: 78.8/60

In: 37.596+/-12.271 χ^2/NDF:62.5/50

Out: 35.035+/-11.977 χ^2/NDF:88.2/57

All: 36.284+/-8.571 χ^2/NDF: 150.7/108



Right In: 83.818+/-0.016 χ^2/NDF: 4168466.5/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 86.530+/-0.016 χ^2/NDF: 5475930.2/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

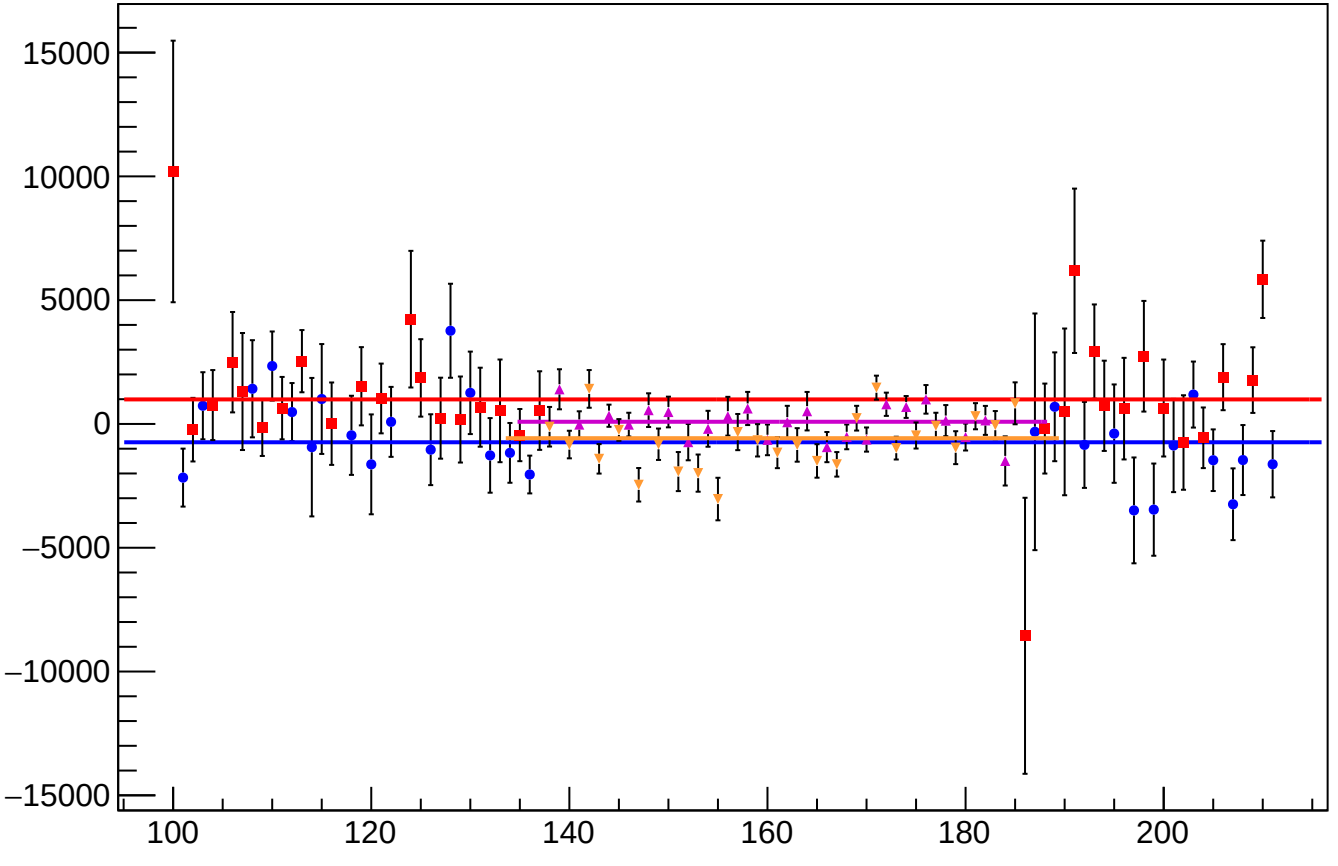
Right: 85.167+/-0.011 χ^2/NDF: 9659185.1/60

In: 68.742+/-0.009 χ^2/NDF:6086297.9/50

Out: 68.709+/-0.008 χ^2/NDF:7894082.5/57

All: 68.725+/-0.006 χ^2/NDF: 13980388.2/108

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -739.865+/-281.909 χ^2/NDF: 31.7/27

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 991.408+/-285.188 χ^2/NDF: 32.2/32

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

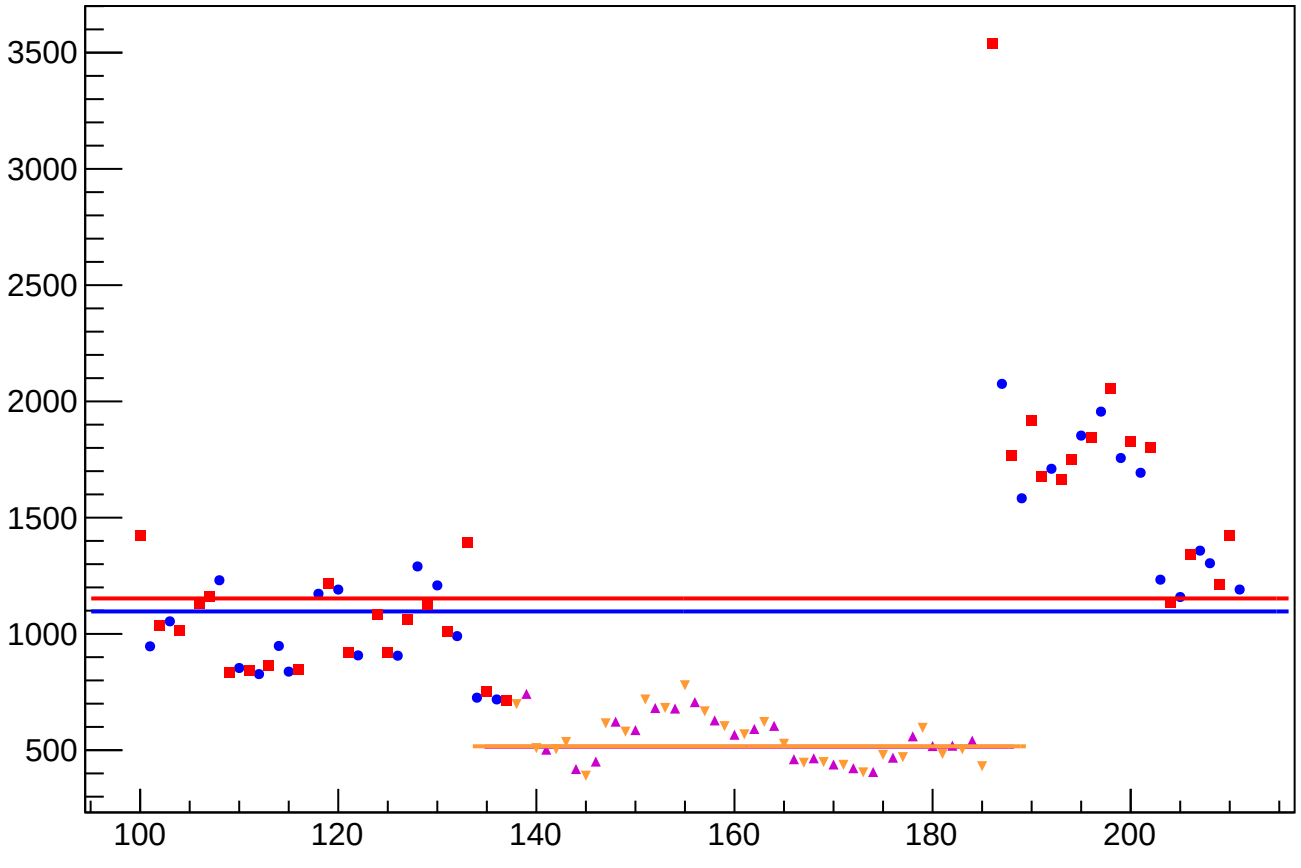
Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

Right: 115.763+/-200.489 χ^2/NDF: 82.5/60

In: -43.196+/-112.345 χ^2/NDF:63.5/50

Out: -340.106+/-110.400 χ^2/NDF:126.6/57

All: -194.243+/-78.744 χ^2/NDF: 193.7/108



Right In: 1096.661+/-0.199 χ^2/NDF: 2684844.9/27

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1152.521+/-0.202 χ^2/NDF: 3323561.7/32

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

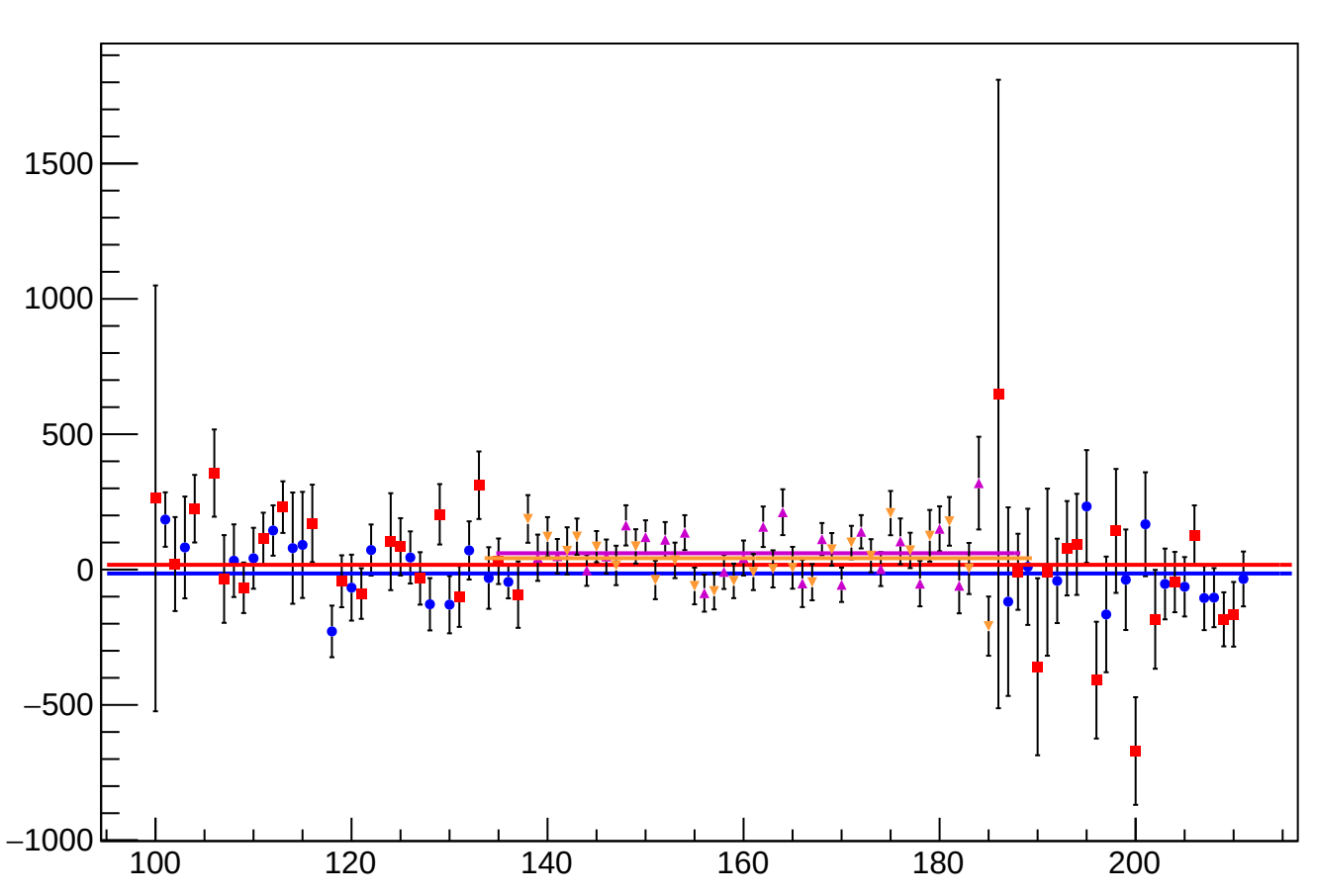
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1124.268+/-0.142 χ^2/NDF: 6047216.5/60

In: 607.192+/-0.079 χ^2/NDF:10972811.8/50

Out: 611.928+/-0.078 χ^2/NDF:13041875.4/57

All: 609.602+/-0.056 χ^2/NDF: 24016495.4/10



Right In: -14.462+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 17.590+/-22.367 χ^2/NDF: 55.2/32

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

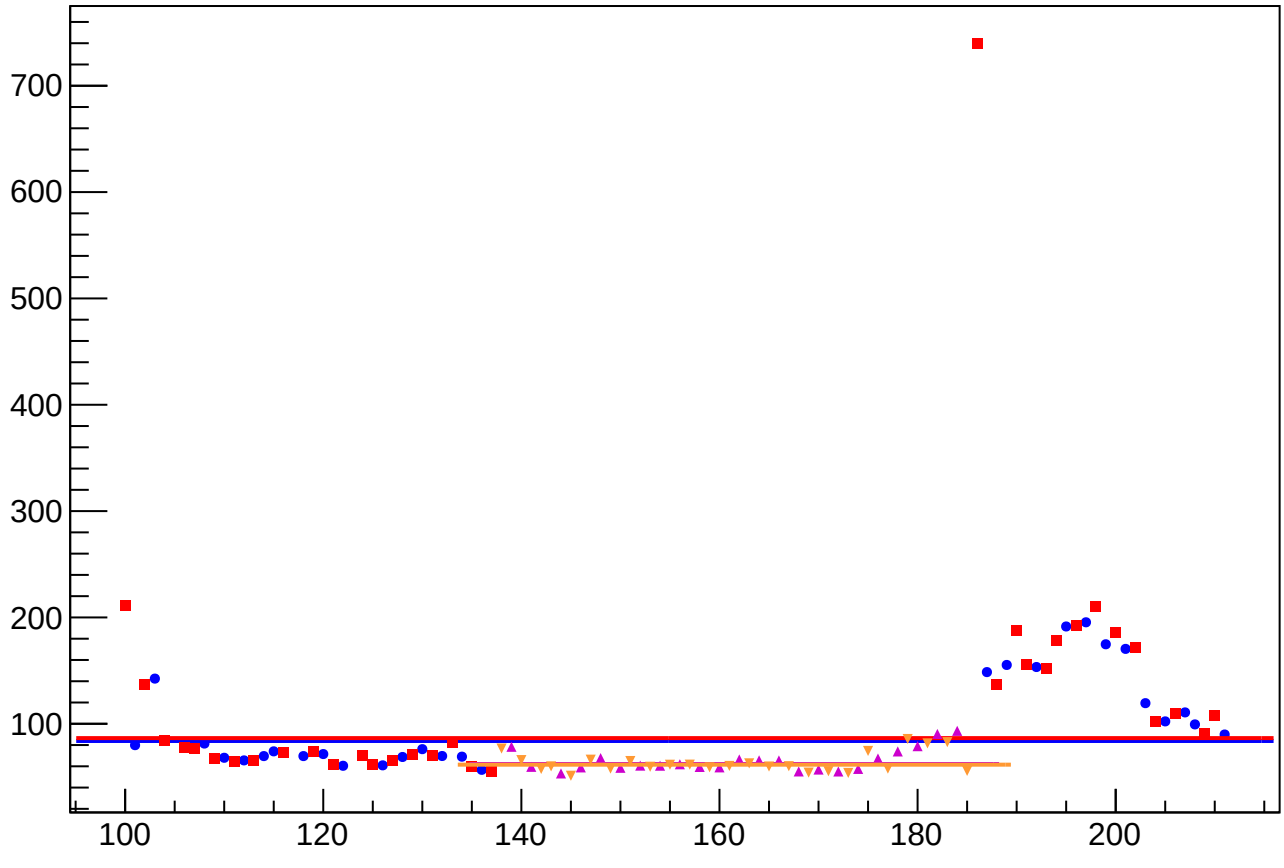
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 1.474+/-15.771 χ^2/NDF: 78.7/60

In: 37.594+/-12.271 χ^2/NDF:62.5/50

Out: 35.013+/-11.977 χ^2/NDF:88.1/57

All: 36.272+/-8.571 χ^2/NDF: 150.6/108



Right In: 83.818+/-0.016 χ^2/NDF: 4168469.6/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 86.518+/-0.016 χ^2/NDF: 5477120.4/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

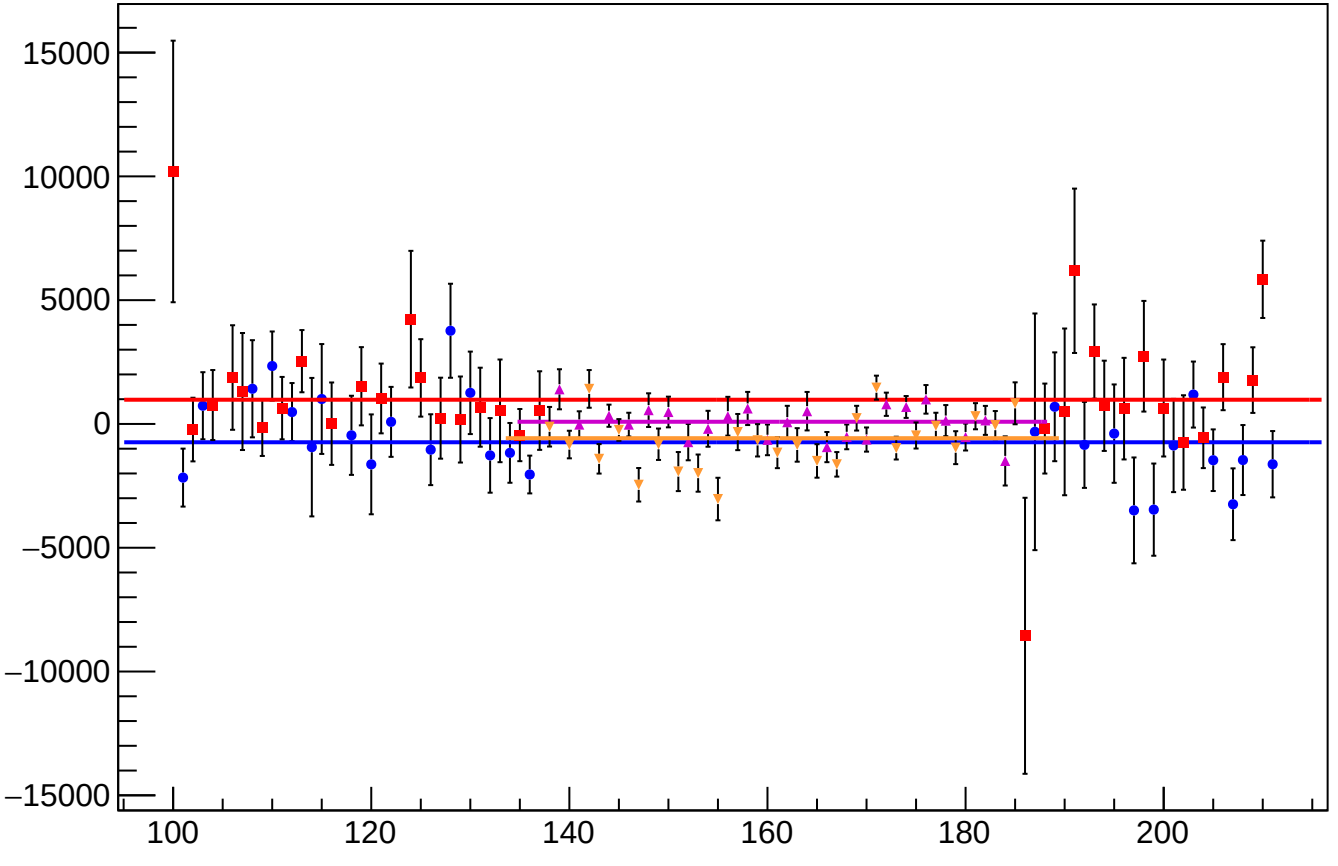
Right: 85.160+/-0.011 χ^2/NDF: 9660238.2/60

In: 68.742+/-0.009 χ^2/NDF:6086301.0/50

Out: 68.705+/-0.008 χ^2/NDF:7893367.3/57

All: 68.723+/-0.006 χ^2/NDF: 13979678.1/108

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -739.848+/-281.910 χ^2/NDF: 31.7/27

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 978.117+/-285.417 χ^2/NDF: 31.8/32

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

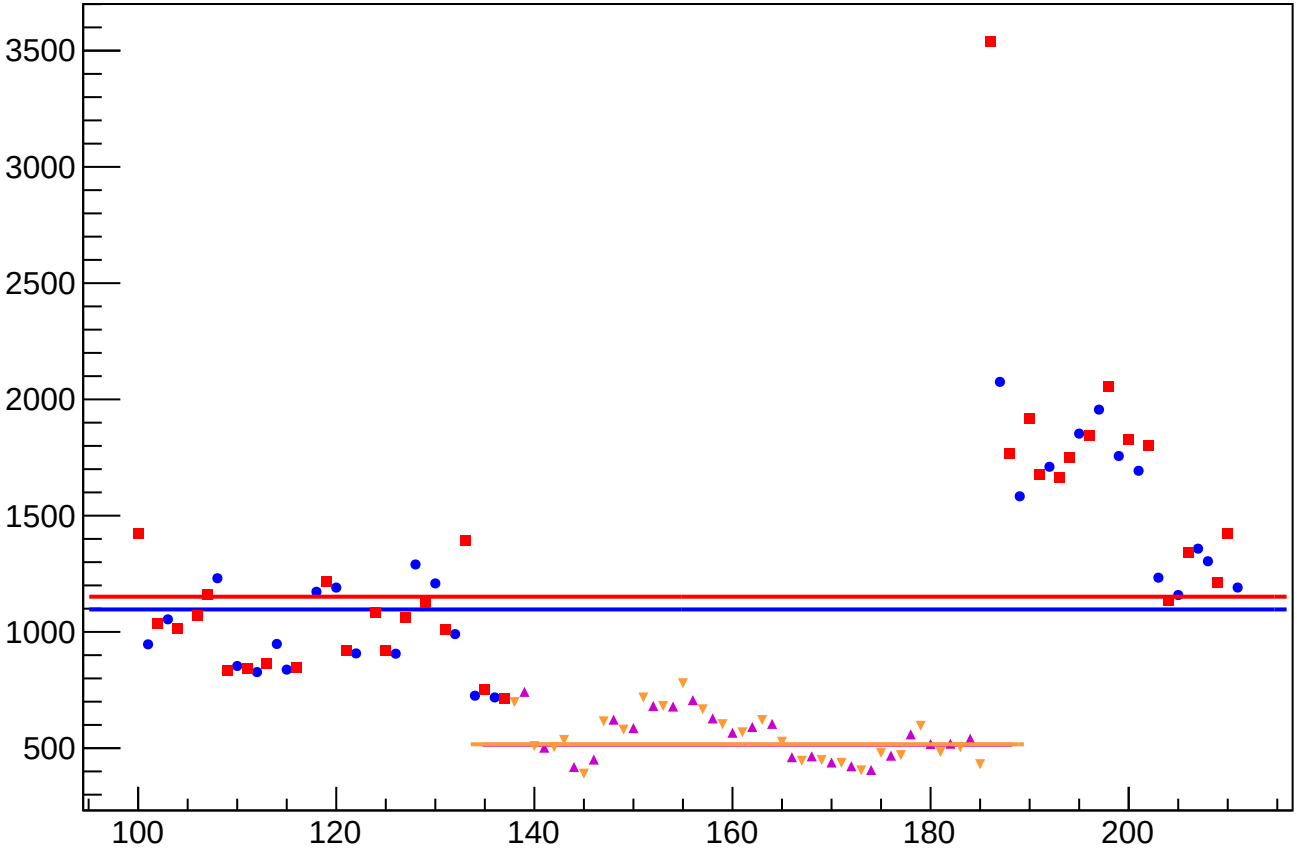
Right: 108.515+/-200.569 χ^2/NDF: 81.8/60

In: -43.193+/-112.345 χ^2/NDF:63.5/50

Out: -342.410+/-110.414 χ^2/NDF:125.7/57

All: -195.396+/-78.748 χ^2/NDF: 192.9/108

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1096.665+/-0.199 χ^2/NDF: 2684841.4/27

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1151.453+/-0.202 χ^2/NDF: 3326188.1/32

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

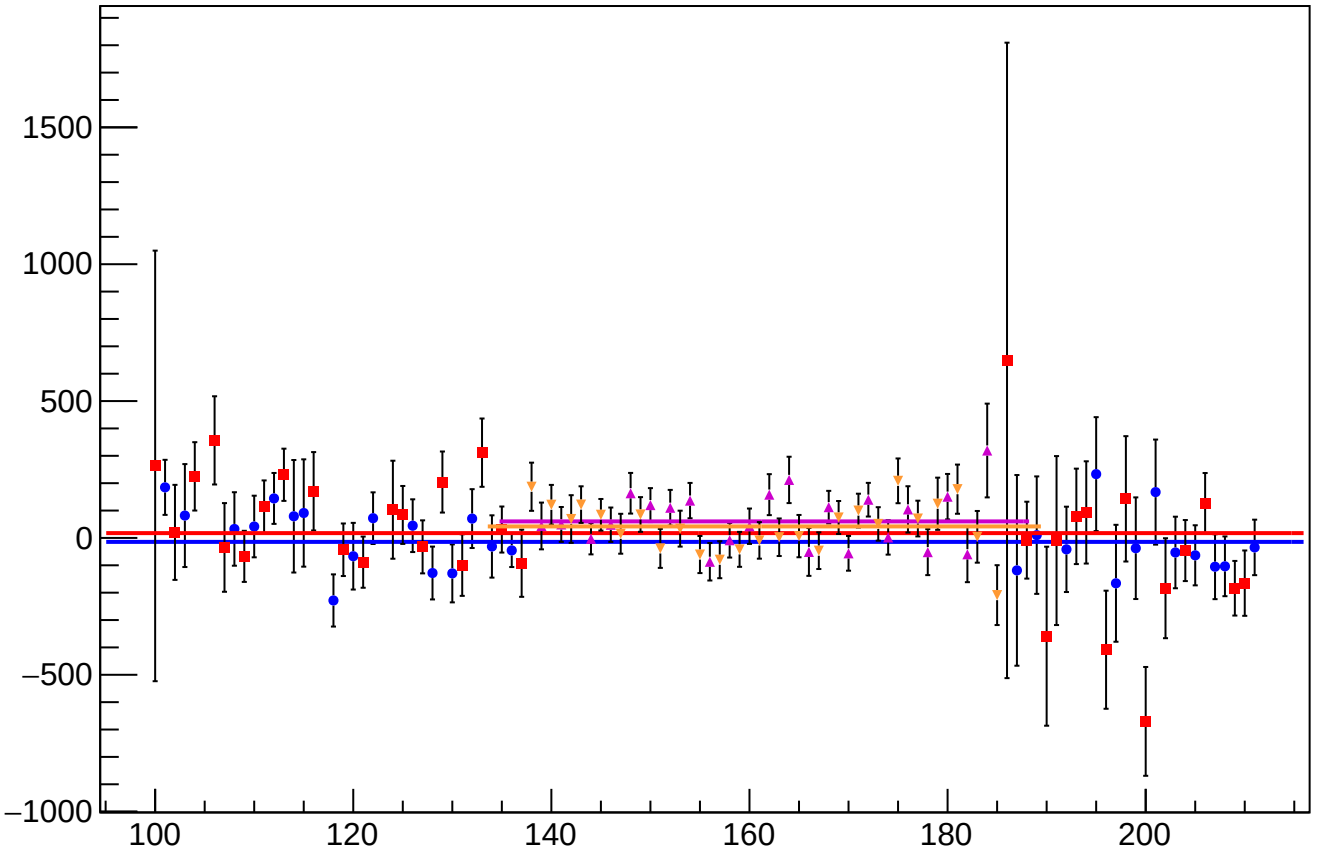
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1123.720+/-0.142 χ^2/NDF: 6048333.9/60

In: 607.192+/-0.079 χ^2/NDF:10972853.5/50

Out: 611.638+/-0.078 χ^2/NDF:13004617.9/57

All: 609.454+/-0.056 χ^2/NDF: 23979064.4/10



Right In: -14.462+/-22.241 χ^2/NDF: 22.4/27

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 17.590+/-22.367 χ^2/NDF: 55.2/32

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

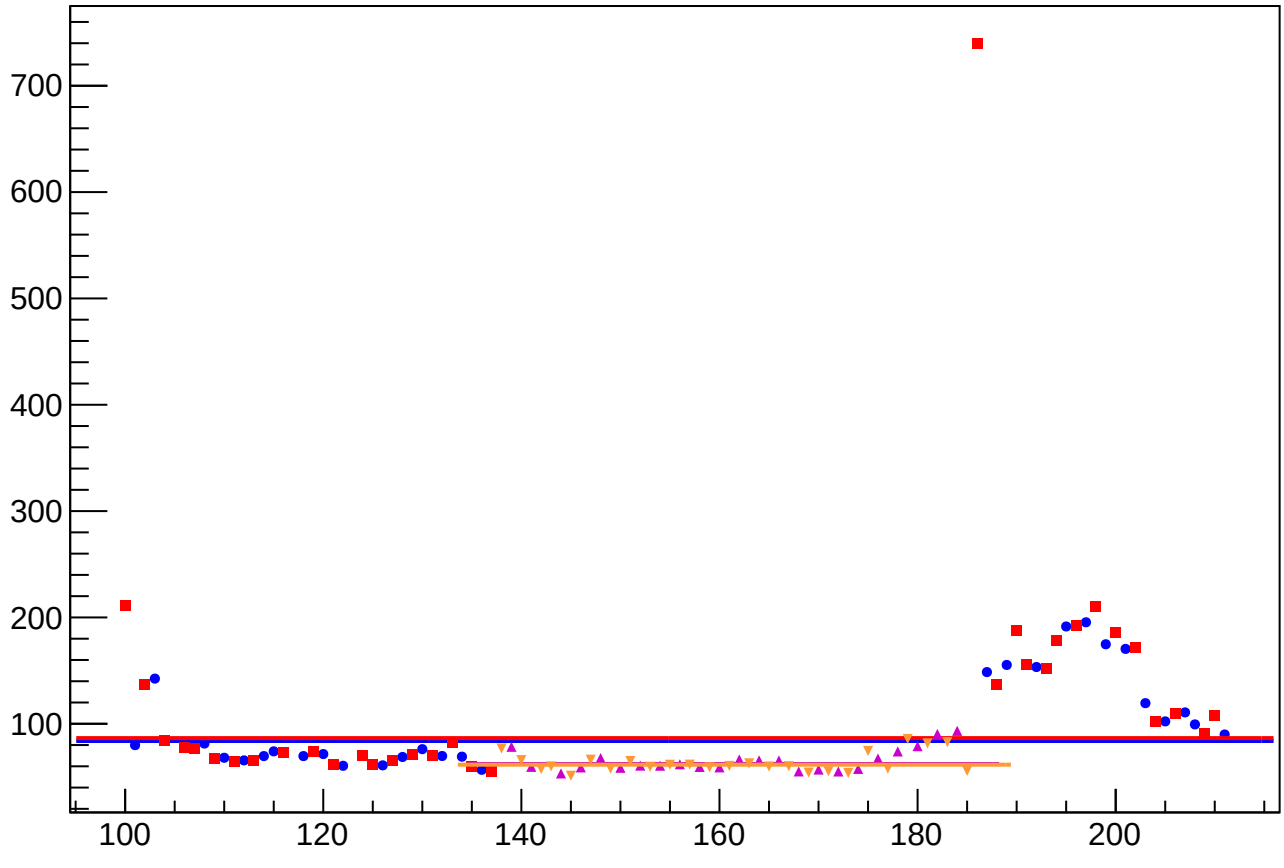
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 1.474+/-15.771 χ^2/NDF: 78.7/60

In: 37.594+/-12.271 χ^2/NDF:62.5/50

Out: 35.013+/-11.977 χ^2/NDF:88.1/57

All: 36.272+/-8.571 χ^2/NDF: 150.6/108



Right In: 83.818+/-0.016 χ^2/NDF: 4168469.6/27

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 86.518+/-0.016 χ^2/NDF: 5477120.4/32

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

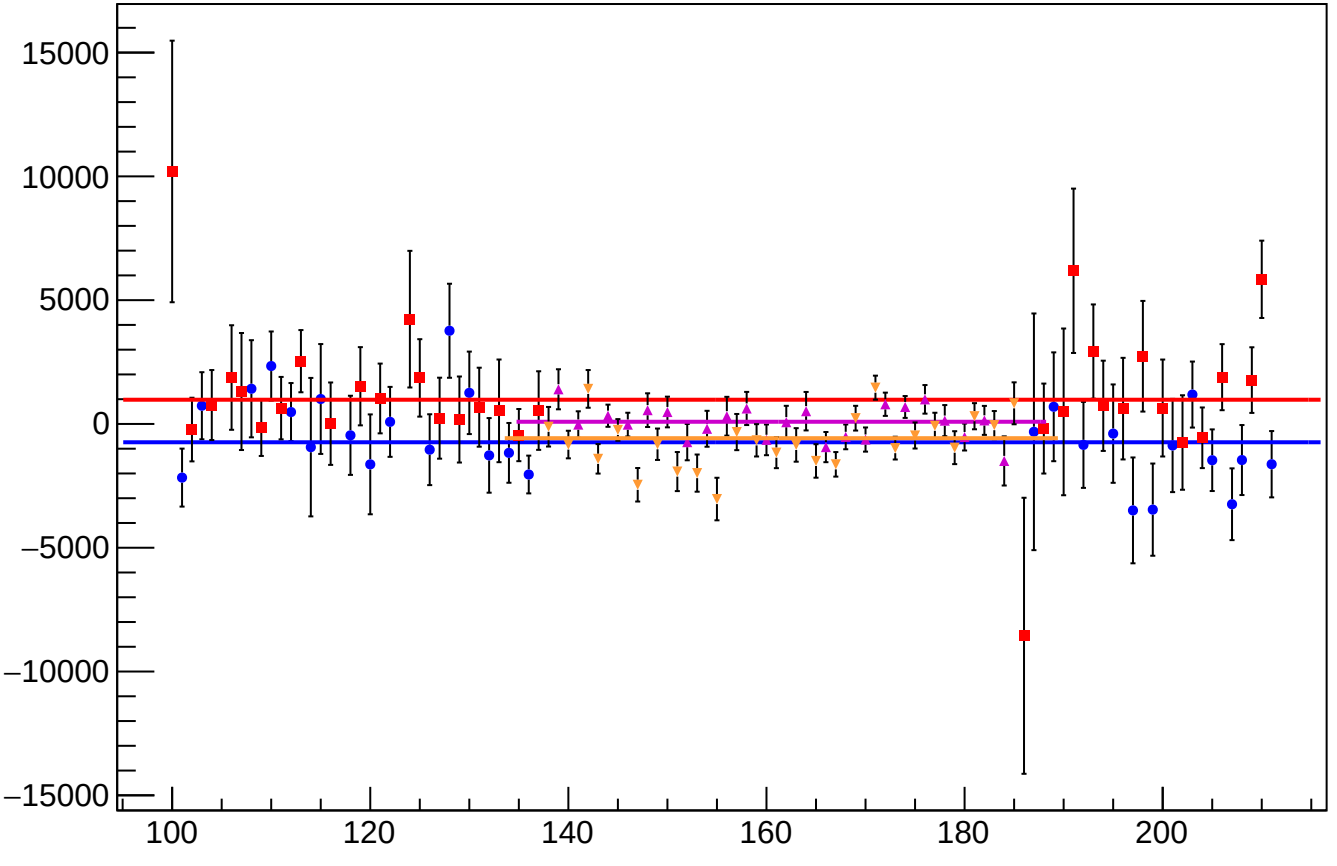
Right: 85.160+/-0.011 χ^2/NDF: 9660238.2/60

In: 68.742+/-0.009 χ^2/NDF:6086301.0/50

Out: 68.705+/-0.008 χ^2/NDF:7893367.3/57

All: 68.723+/-0.006 χ^2/NDF: 13979678.1/108

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -739.848+/-281.910 χ^2/NDF: 31.7/27

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 978.117+/-285.417 χ^2/NDF: 31.8/32

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

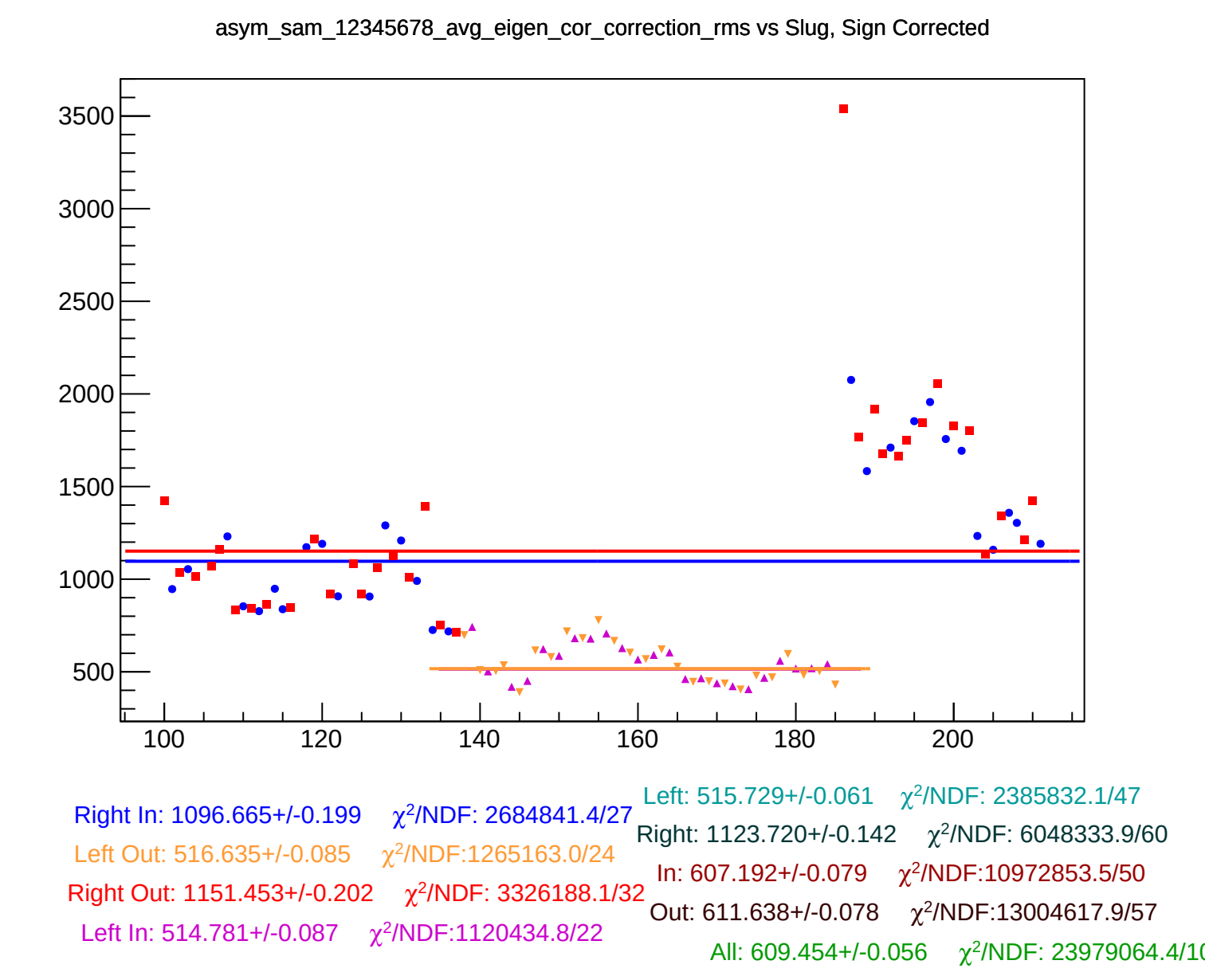
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 108.515+/-200.569 χ^2/NDF: 81.8/60

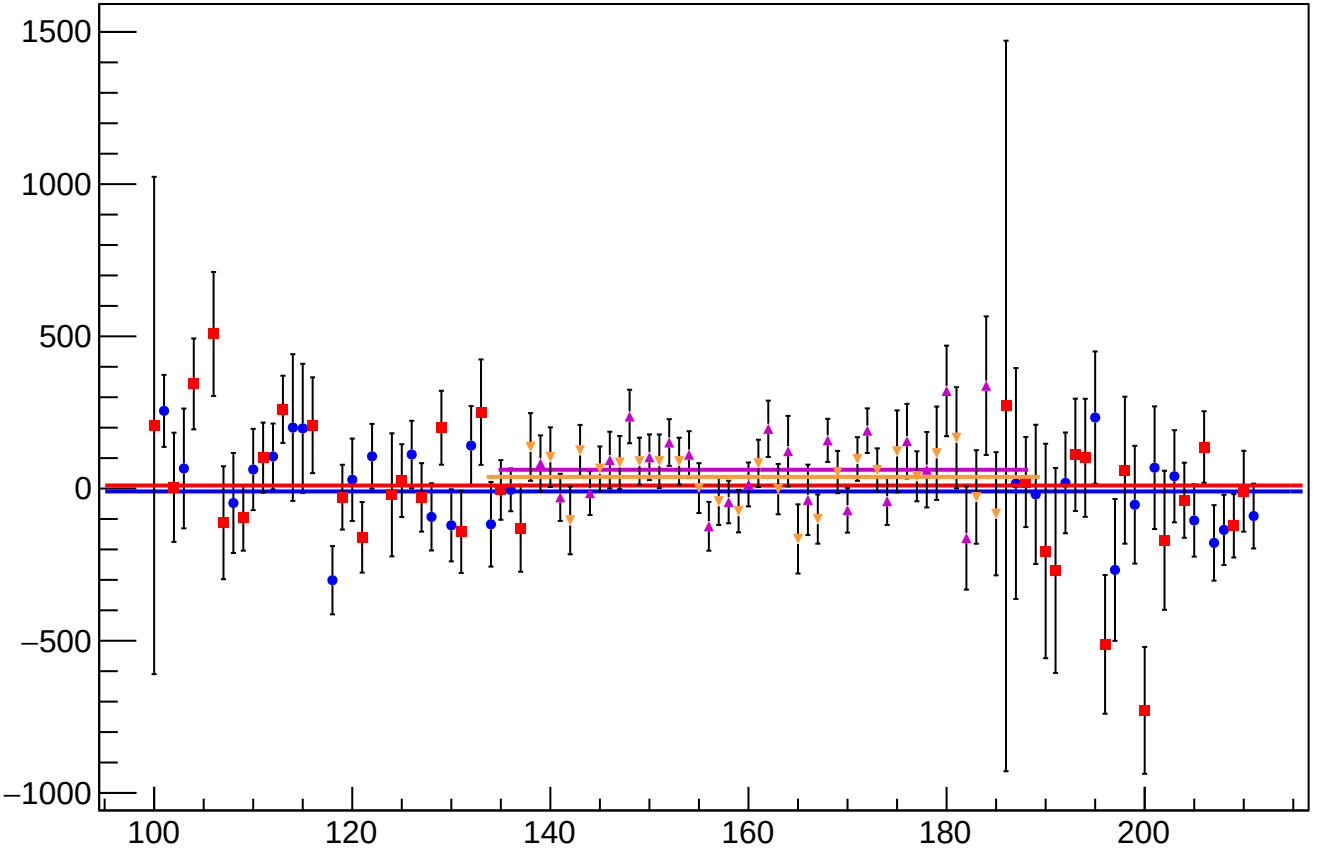
In: -43.193+/-112.345 χ^2/NDF:63.5/50

Out: -342.410+/-110.414 χ^2/NDF:125.7/57

All: -195.396+/-78.748 χ^2/NDF: 192.9/108


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1096.665+/-0.199 χ²/NDF: 2684841.4/27
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1151.453+/-0.202 χ²/NDF: 3326188.1/32
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
Left: 515.729+/-0.061 χ²/NDF: 2385832.1/47
Right: 1123.720+/-0.142 χ²/NDF: 6048333.9/60
In: 607.192+/-0.079 χ²/NDF:10972853.5/50
Out: 611.638+/-0.078 χ²/NDF:13004617.9/57
All: 609.454+/-0.056 χ²/NDF: 23979064.4/10

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -9.476+/-25.140 χ^2/NDF: 28.1/27

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 10.054+/-25.437 χ^2/NDF: 51.9/32

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

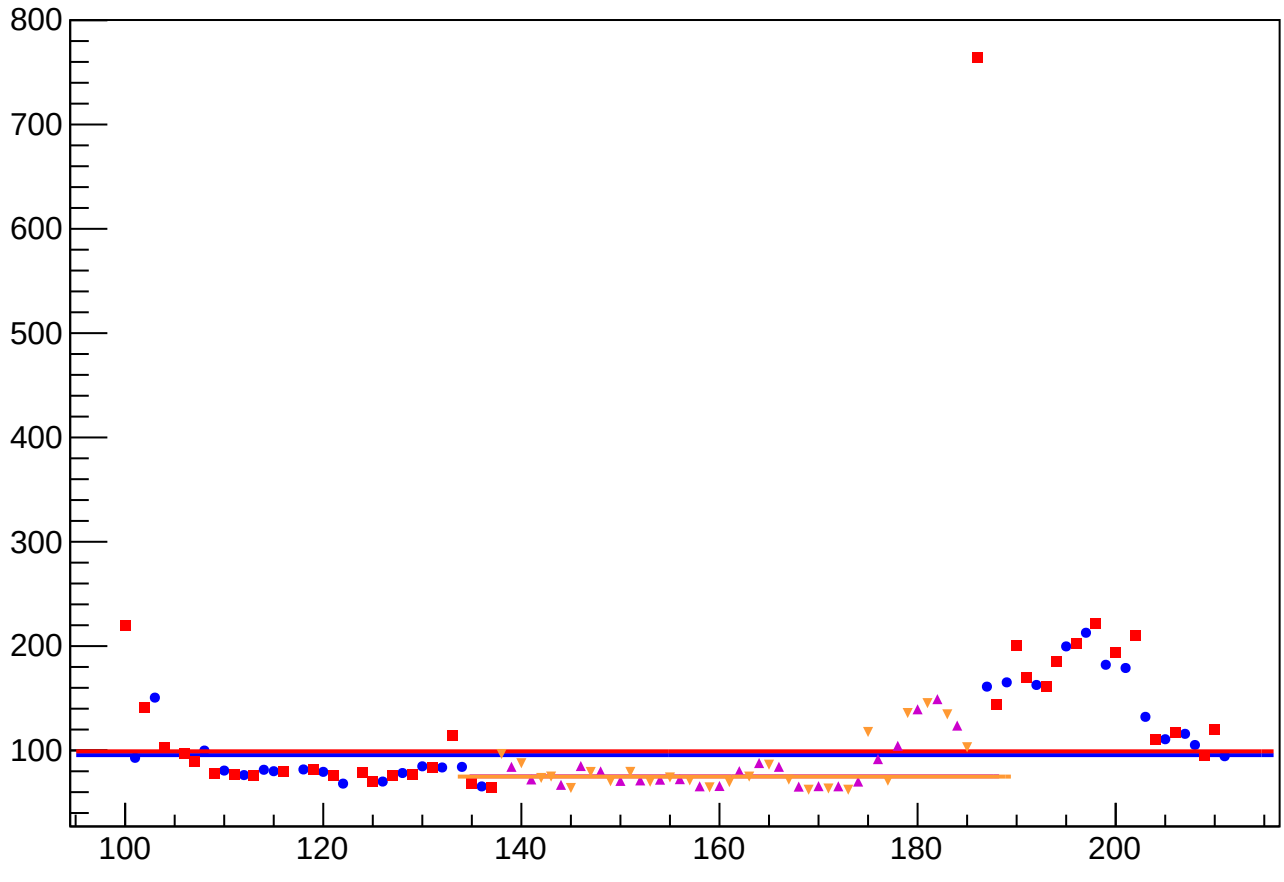
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 0.174+/-17.881 χ^2/NDF: 80.3/60

In: 37.255+/-14.738 χ^2/NDF:70.1/50

Out: 29.094+/-14.512 χ^2/NDF:71.6/57

All: 33.112+/-10.340 χ^2/NDF: 141.8/108



Right In: 95.494+/-0.018 χ^2/NDF: 3523717.4/27

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 99.130+/-0.018 χ^2/NDF: 4815431.9/32

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

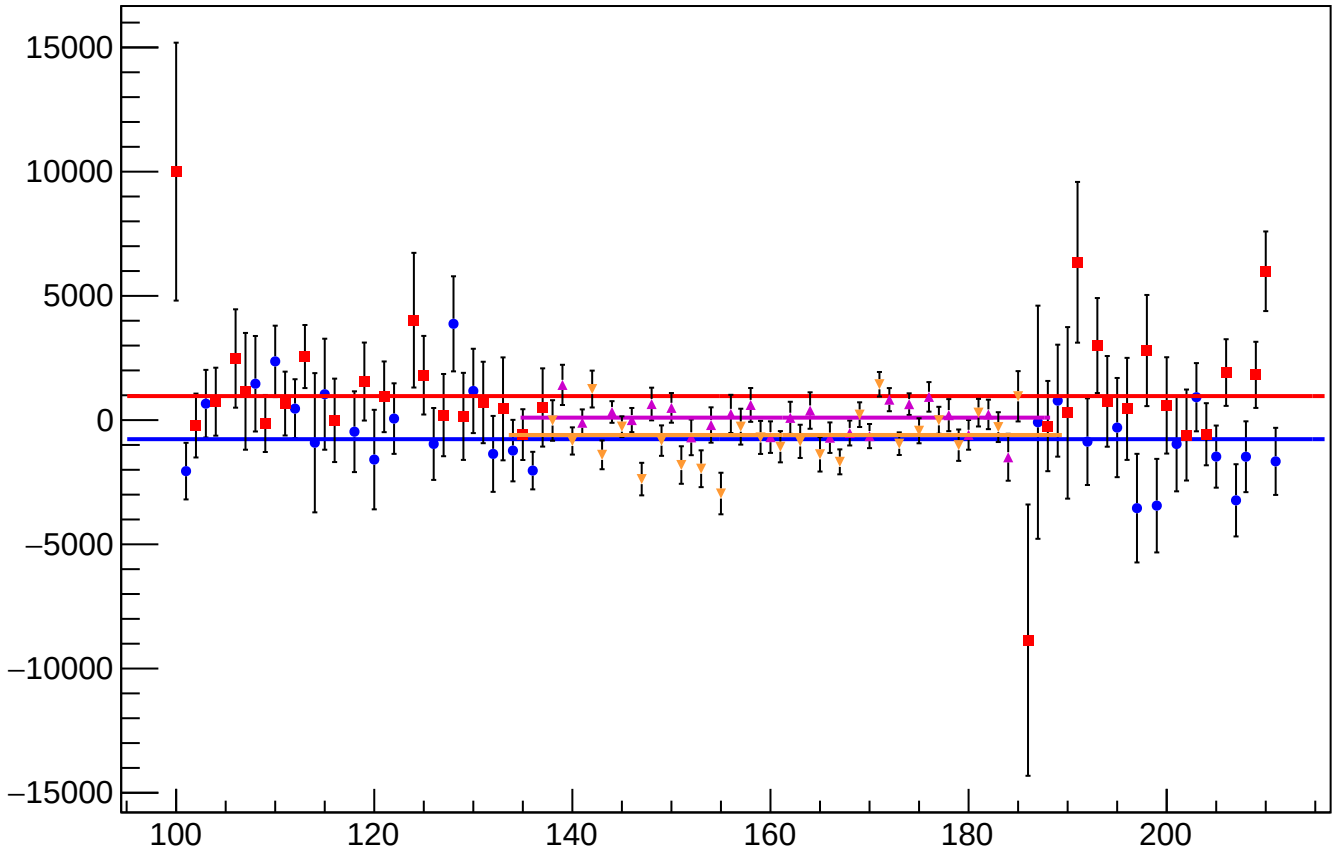
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 97.290+/-0.013 χ^2/NDF: 8359821.4/60

In: 82.145+/-0.010 χ^2/NDF:5695348.9/50

Out: 82.788+/-0.010 χ^2/NDF:7700760.3/57

All: 82.471+/-0.007 χ^2/NDF: 13398043.1/108



Right In: -767.567+/-283.609 χ^2/NDF: 30.6/27

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 966.760+/-285.309 χ^2/NDF: 33.4/32

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

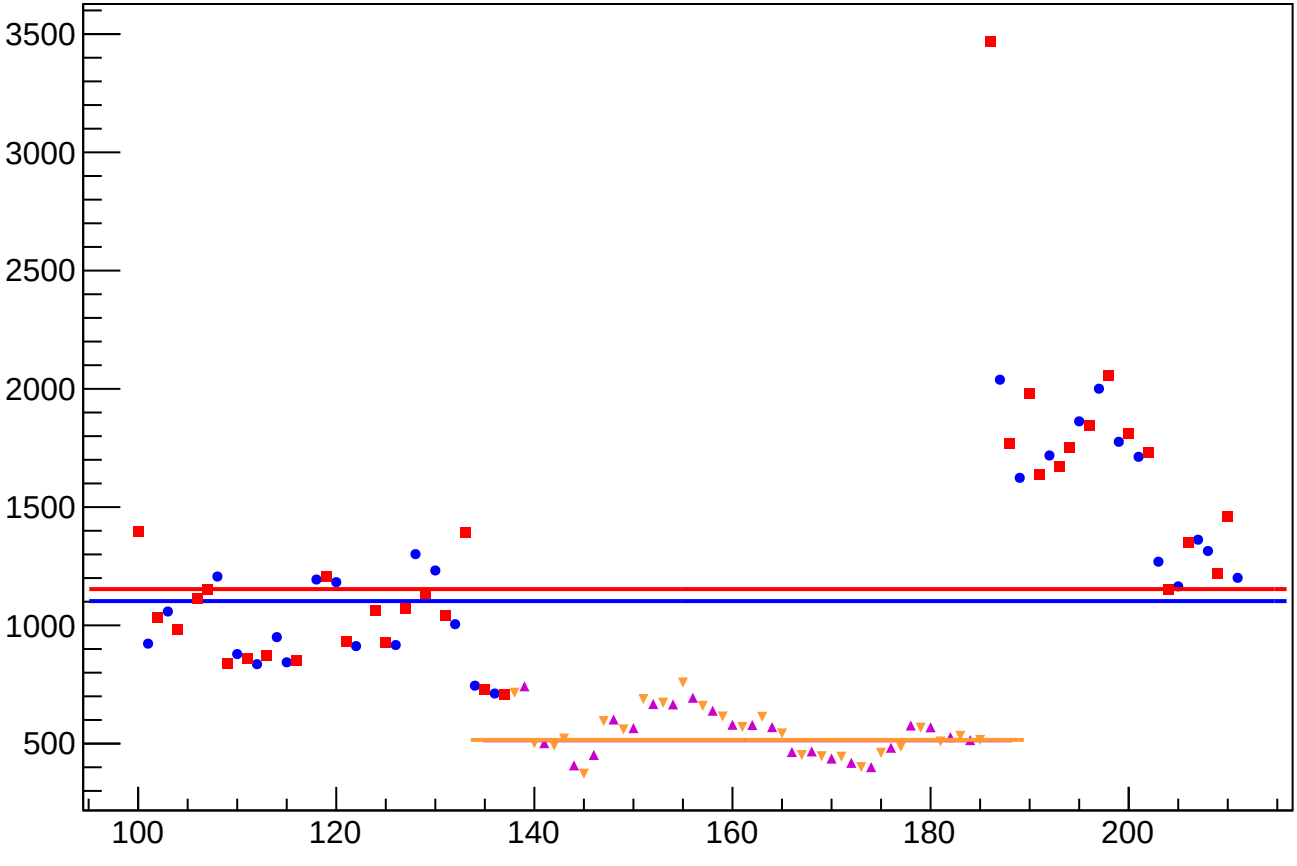
Right: 94.414+/-201.140 χ^2/NDF: 82.6/60

In: -36.810+/-112.311 χ^2/NDF:62.2/50

Out: -365.753+/-110.084 χ^2/NDF:124.0/57

All: -204.575+/-78.617 χ^2/NDF: 190.6/108

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1102.644+/-0.201 χ^2/NDF: 2738922.8/27

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1153.344+/-0.202 χ^2/NDF: 3325363.3/32

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

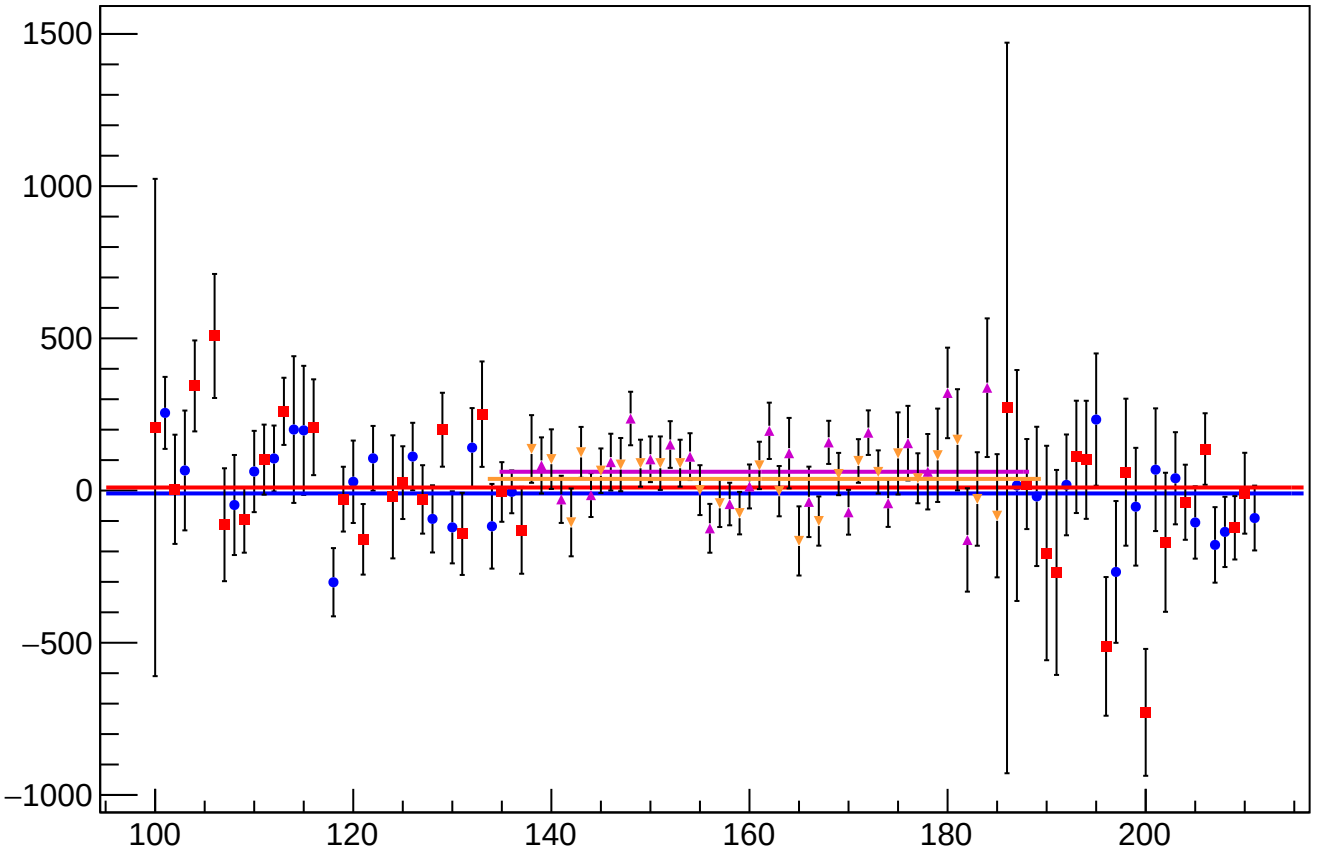
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1127.842+/-0.142 χ^2/NDF: 6096053.4/60

In: 606.386+/-0.079 χ^2/NDF:11118269.4/50

Out: 610.681+/-0.078 χ^2/NDF:13058750.2/57

All: 608.576+/-0.056 χ^2/NDF: 24178511.1/10



Right In: -9.476+/-25.140 χ^2/NDF: 28.1/27

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 10.052+/-25.437 χ^2/NDF: 51.9/32

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

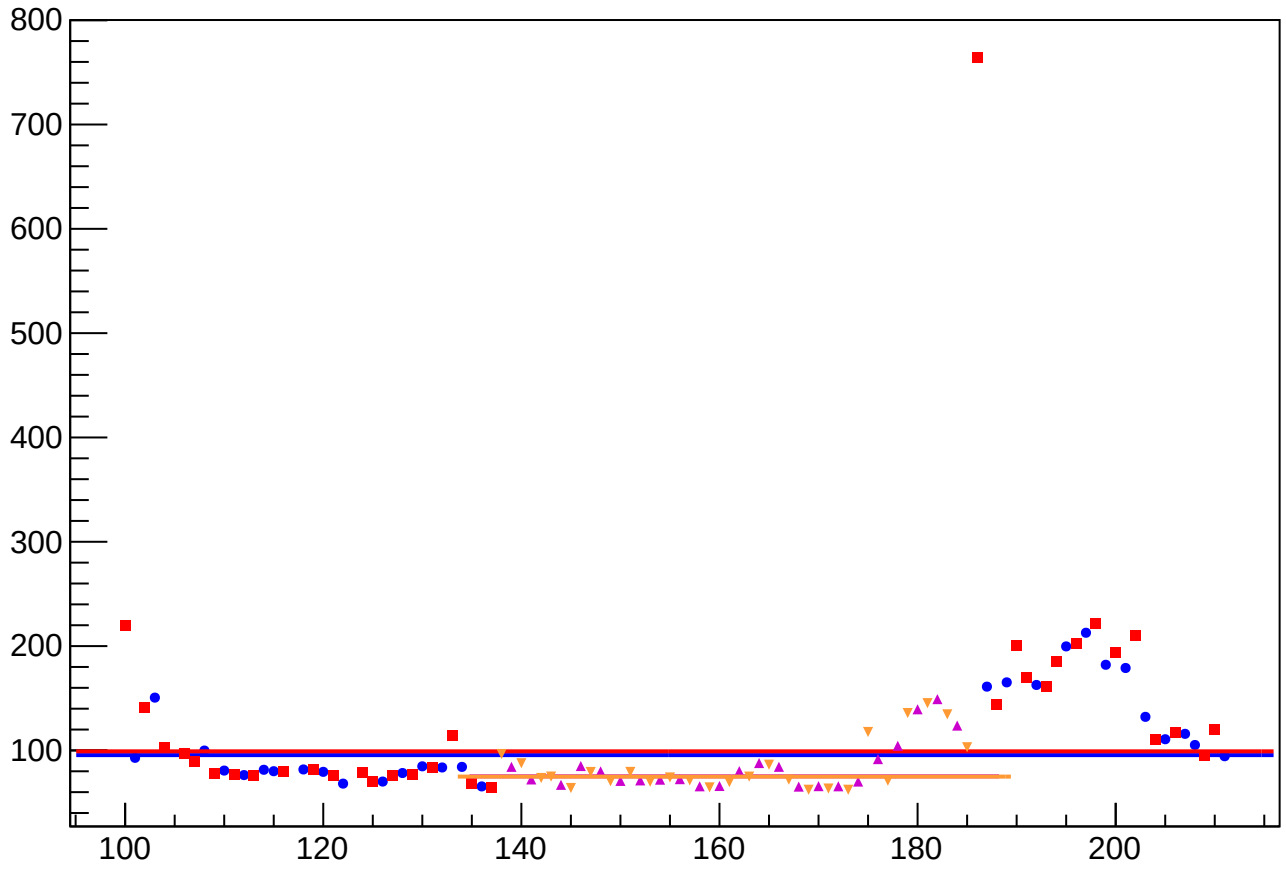
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 0.174+/-17.881 χ^2/NDF: 80.3/60

In: 37.255+/-14.738 χ^2/NDF:70.1/50

Out: 29.094+/-14.512 χ^2/NDF:71.6/57

All: 33.111+/-10.340 χ^2/NDF: 141.8/108



Right In: 95.494+/-0.018 χ^2/NDF: 3523729.2/27

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 99.130+/-0.018 χ^2/NDF: 4815460.8/32

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

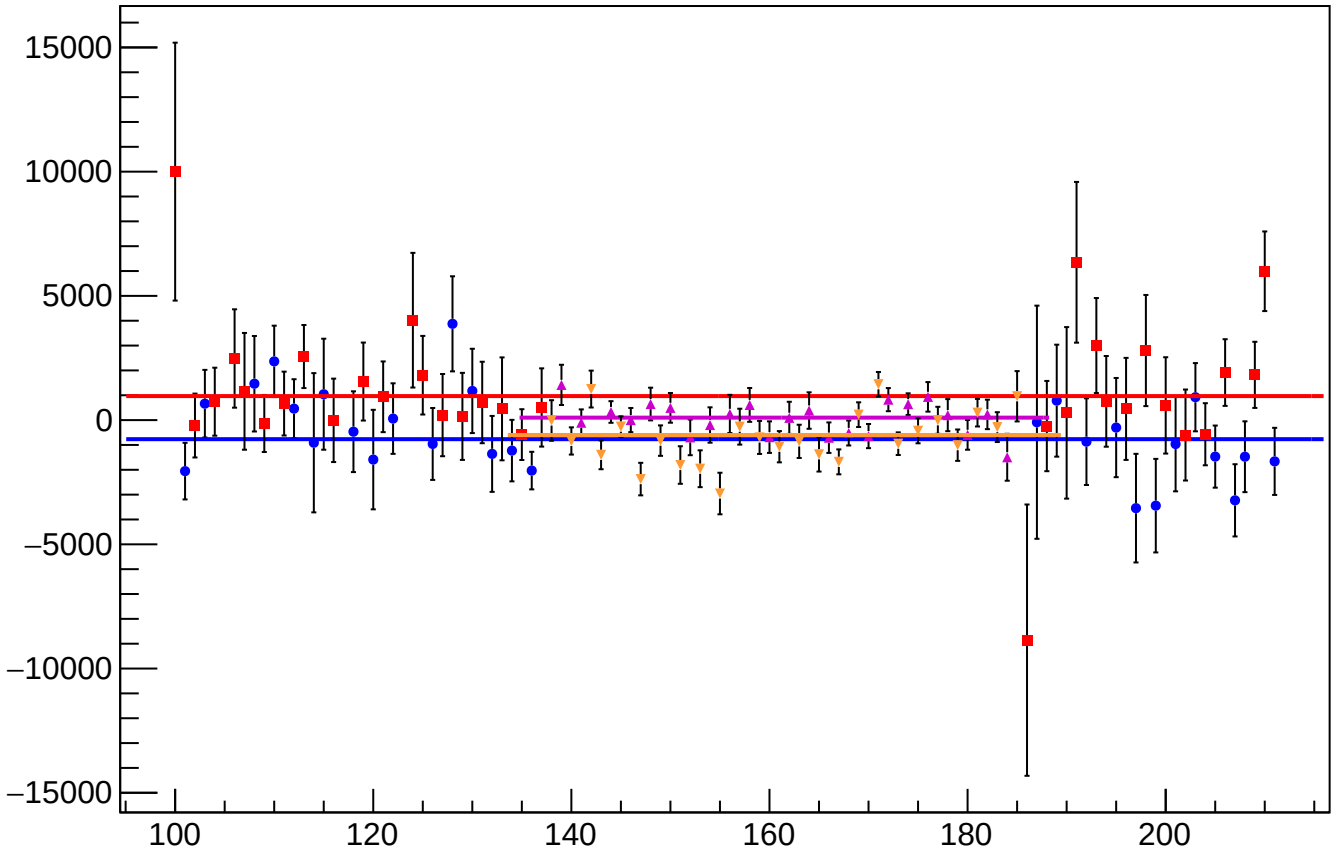
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 97.290+/-0.013 χ^2/NDF: 8359862.5/60

In: 82.145+/-0.010 χ^2/NDF:5695306.6/50

Out: 82.788+/-0.010 χ^2/NDF:7700746.6/57

All: 82.472+/-0.007 χ^2/NDF: 13397987.0/108



Right In: -767.564+/-283.609 χ^2/NDF: 30.6/27

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 966.758+/-285.309 χ^2/NDF: 33.4/32

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

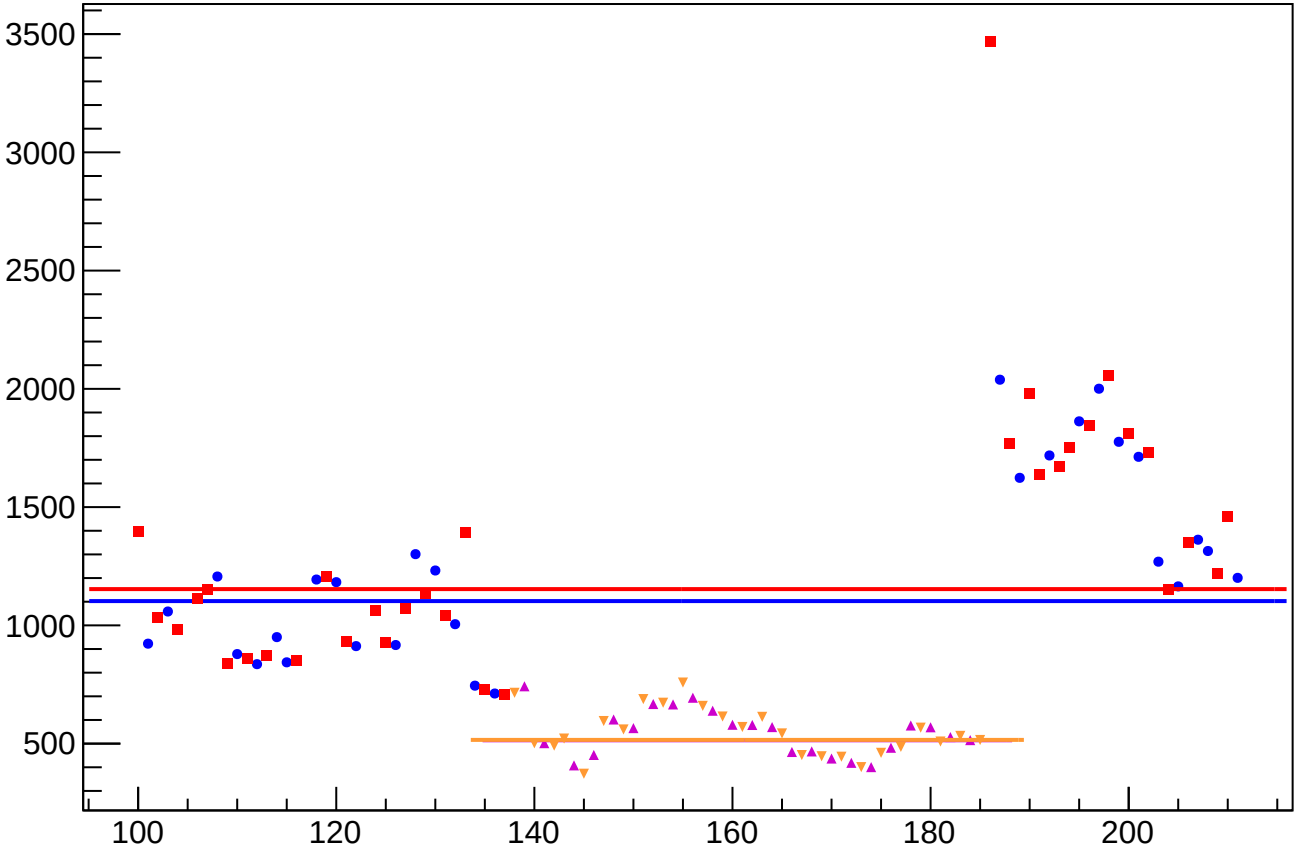
Right: 94.415+/-201.140 χ^2/NDF: 82.6/60

In: -36.810+/-112.311 χ^2/NDF:62.2/50

Out: -365.752+/-110.084 χ^2/NDF:124.0/57

All: -204.575+/-78.617 χ^2/NDF: 190.6/108

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1102.642+/-0.201 χ^2/NDF: 2738931.7/27

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1153.342+/-0.202 χ^2/NDF: 3325374.8/32

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

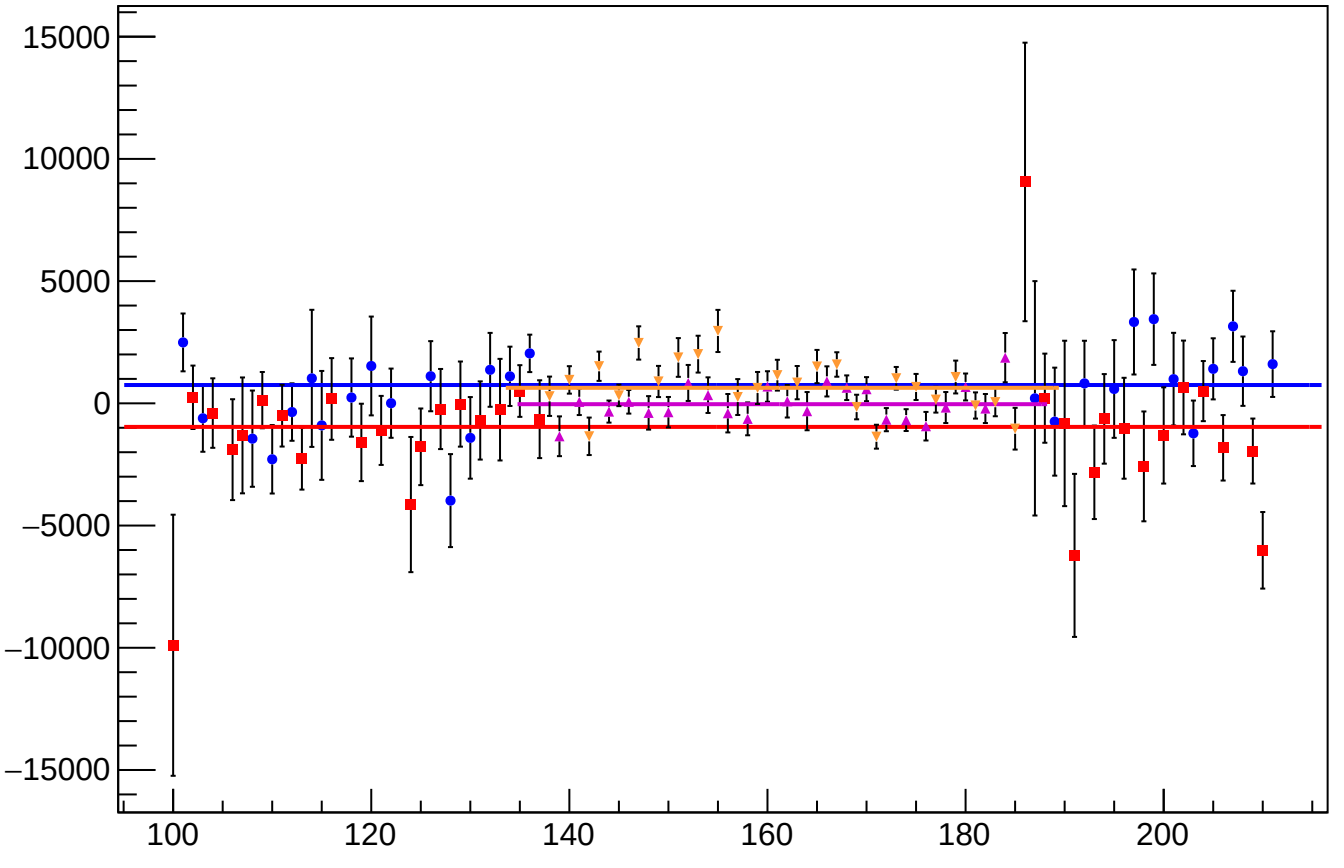
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1127.840+/-0.142 χ^2/NDF: 6096073.7/60

In: 606.385+/-0.079 χ^2/NDF:11118273.5/50

Out: 610.679+/-0.078 χ^2/NDF:13058760.8/57

All: 608.575+/-0.056 χ^2/NDF: 24178525.7/10



Right In: 749.435+/-283.120 χ^2/NDF: 31.9/27

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -964.026+/-286.388 χ^2/NDF: 32.0/32

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

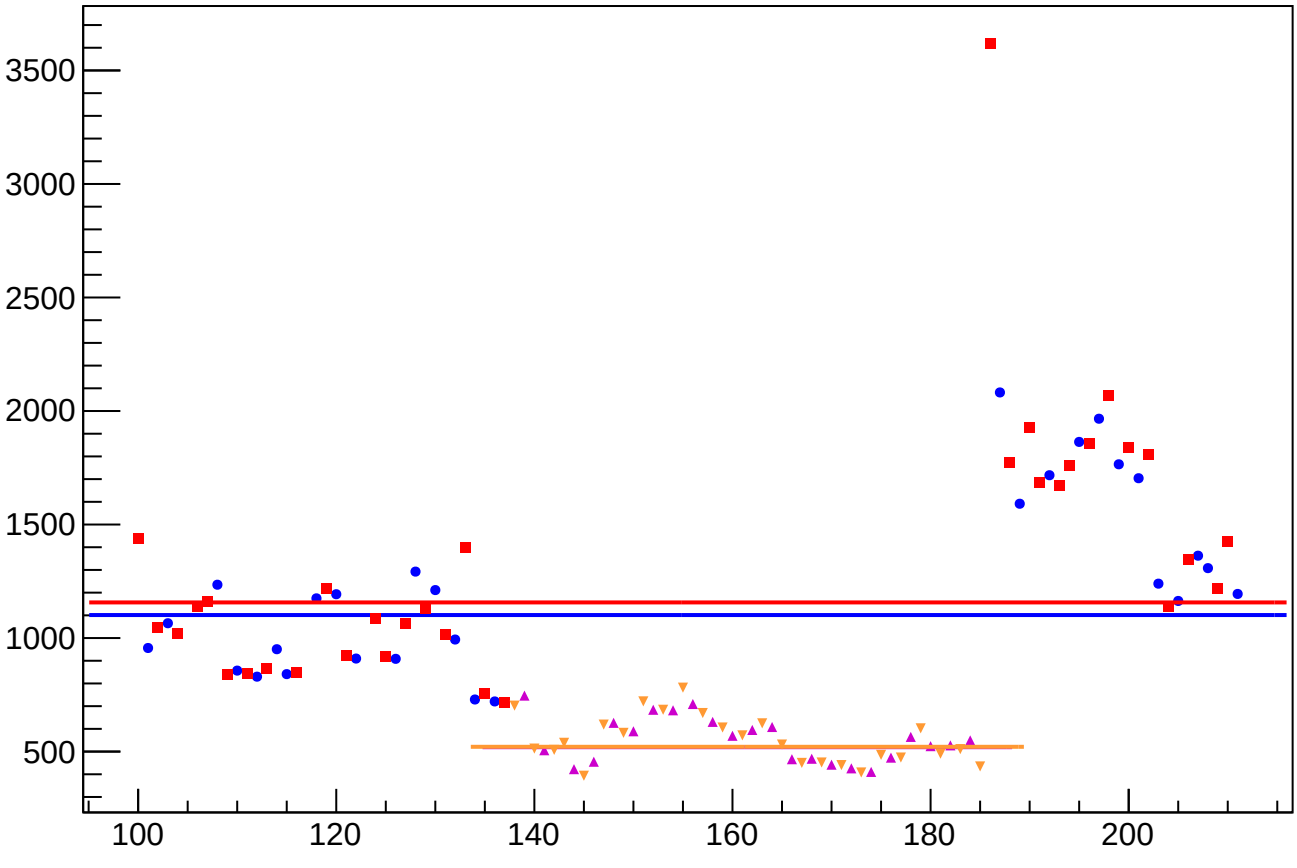
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -97.464+/-201.341 χ^2/NDF: 82.0/60

In: 90.592+/-113.212 χ^2/NDF:63.4/50

Out: 393.572+/-111.238 χ^2/NDF:122.9/57

All: 244.746+/-79.346 χ^2/NDF: 190.0/108



Right In: 1101.326+/-0.200 χ^2/NDF: 2687404.3/27

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1156.915+/-0.203 χ^2/NDF: 3337938.0/32

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

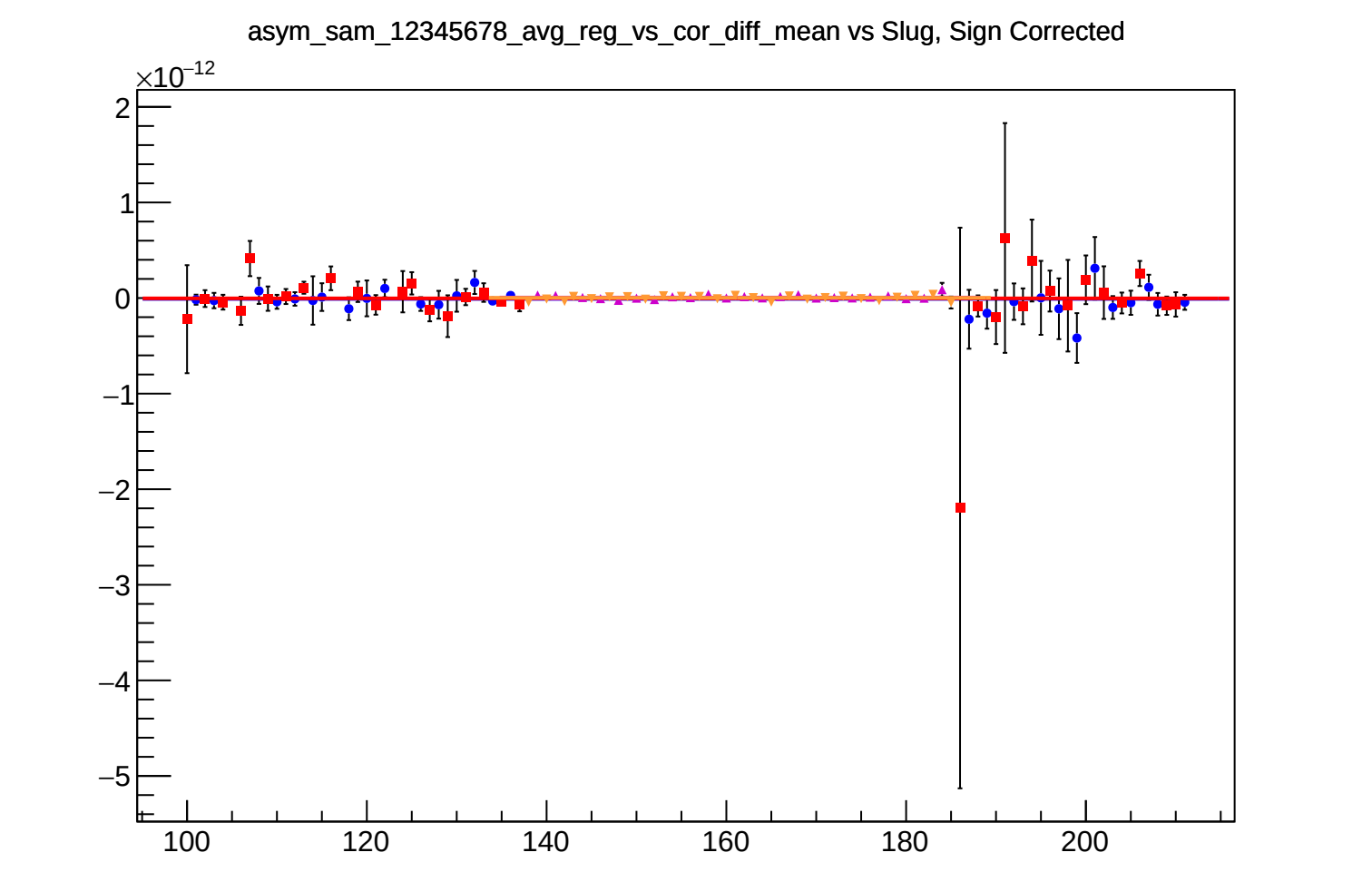
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1128.801+/-0.142 χ^2/NDF: 6063450.2/60

In: 612.315+/-0.080 χ^2/NDF:10890211.2/50

Out: 616.961+/-0.079 χ^2/NDF:12953522.7/57

All: 614.679+/-0.056 χ^2/NDF: 23845448.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/27

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/32

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

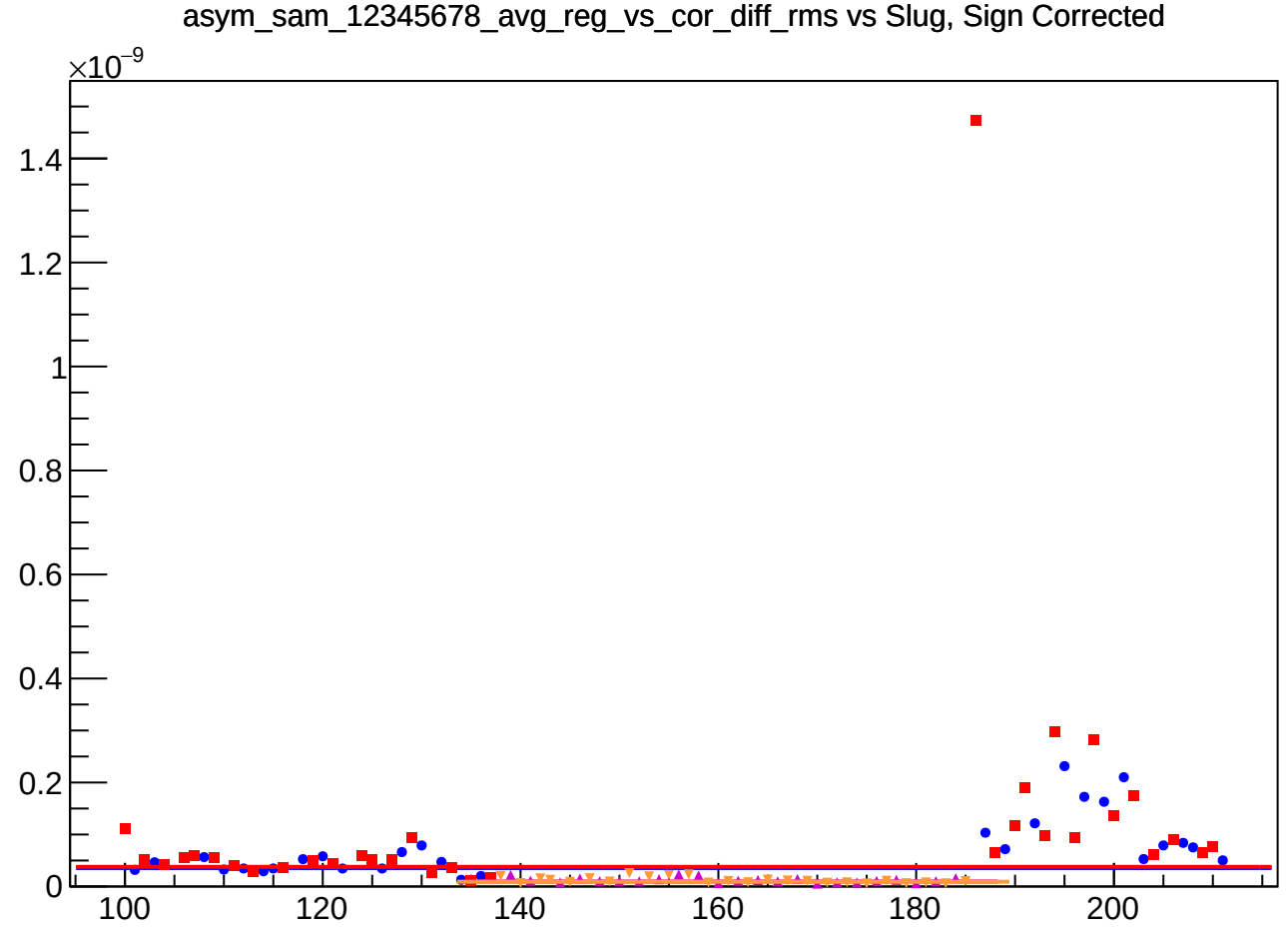
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 42.2/60

In: 0.000+/-0.000 χ^2/NDF:25.5/50

Out: 0.000+/-0.000 χ^2/NDF:50.6/57

All: 0.000+/-0.000 χ^2/NDF: 76.3/108



Right In: 0.000+/-0.000 χ^2/NDF: 4853417.6/27

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5998137.1/32

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

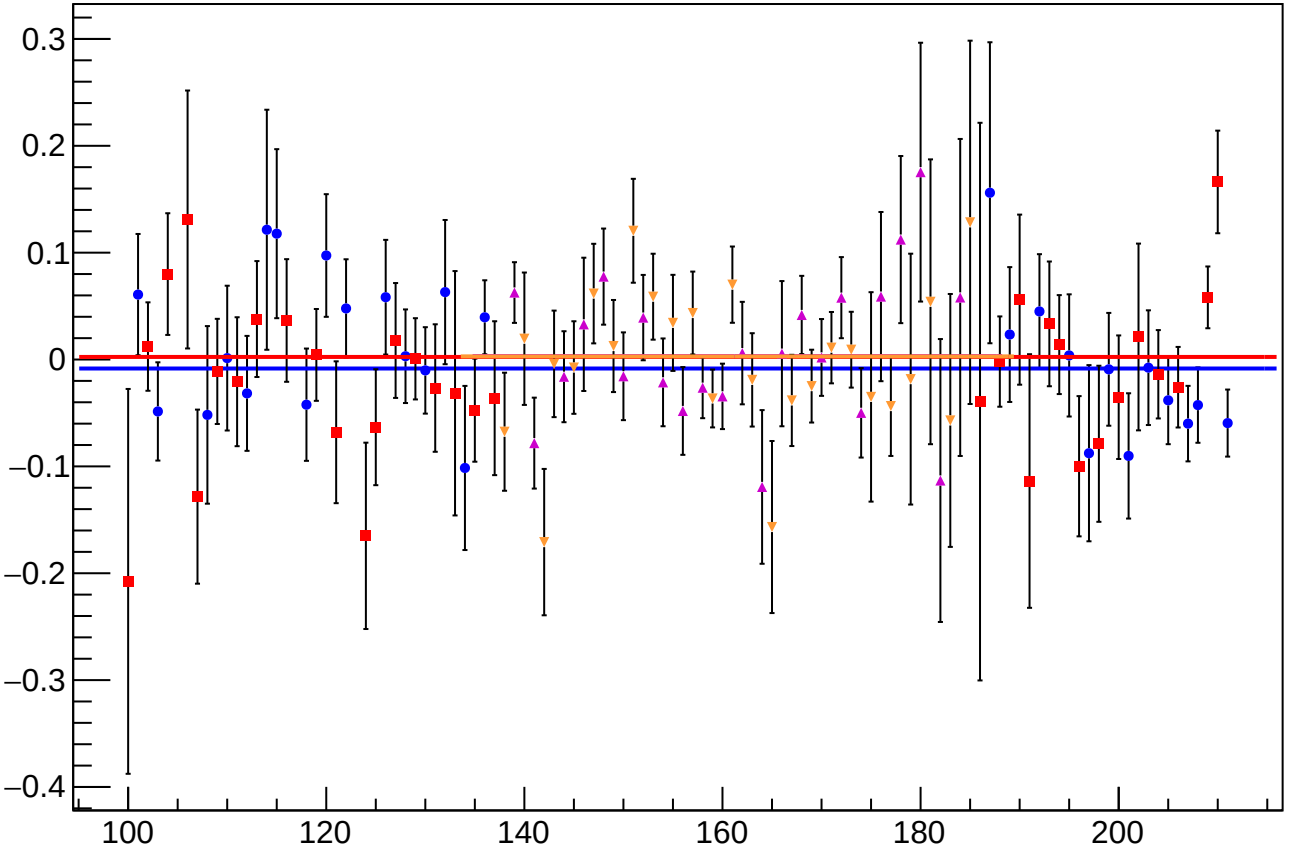
Right: 0.000+/-0.000 χ^2/NDF: 10868403.8/60

In: 0.000+/-0.000 χ^2/NDF:11212404.7/50

Out: 0.000+/-0.000 χ^2/NDF:13114994.5/57

All: 0.000+/-0.000 χ^2/NDF: 24351413.0/108

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

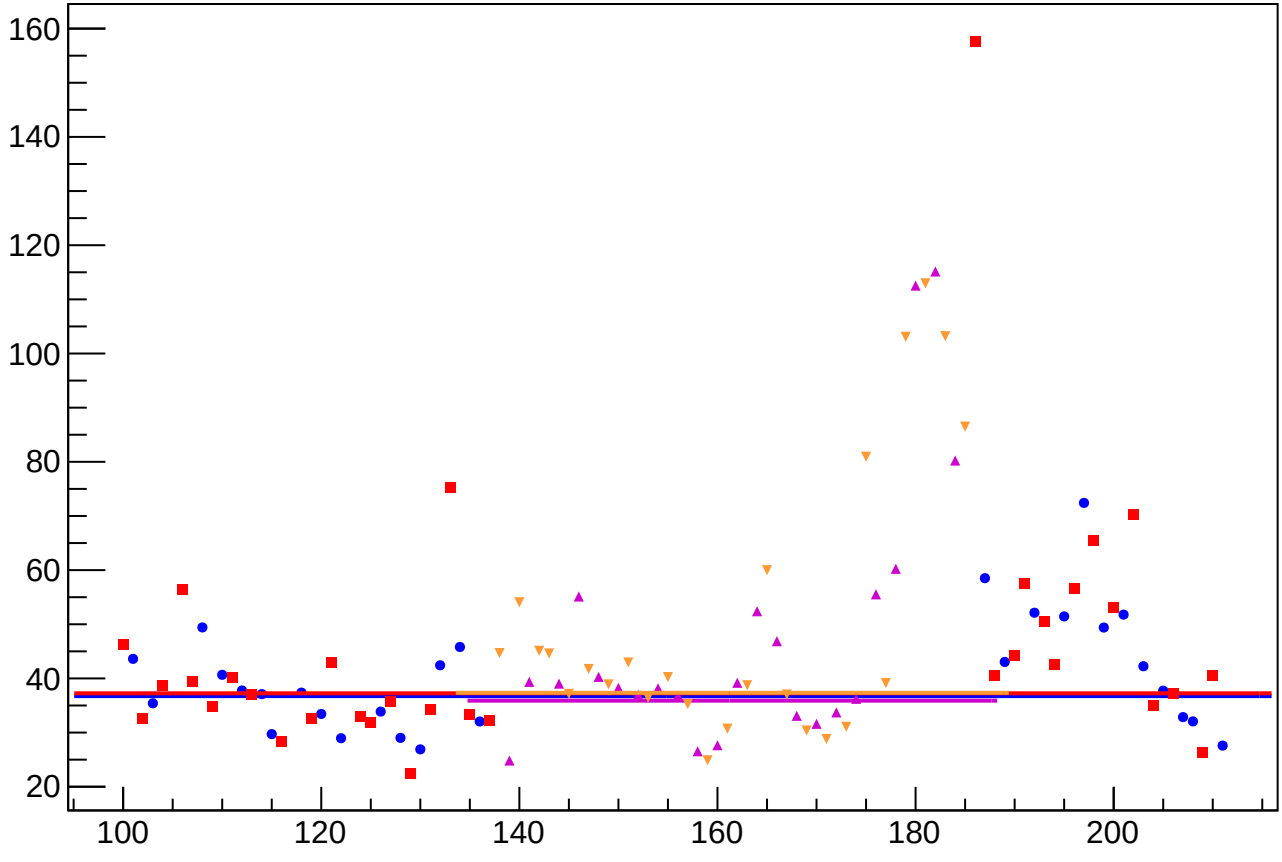
Right: -0.003+/-0.007 χ^2/NDF: 68.5/60

In: -0.002+/-0.007 χ^2/NDF:60.4/50

Out: 0.003+/-0.007 χ^2/NDF:70.9/57

All: 0.000+/-0.005 χ^2/NDF: 131.6/108

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.733+/-0.007 χ^2/NDF: 1667792.7/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.255+/-0.007 χ^2/NDF: 2611211.2/32

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

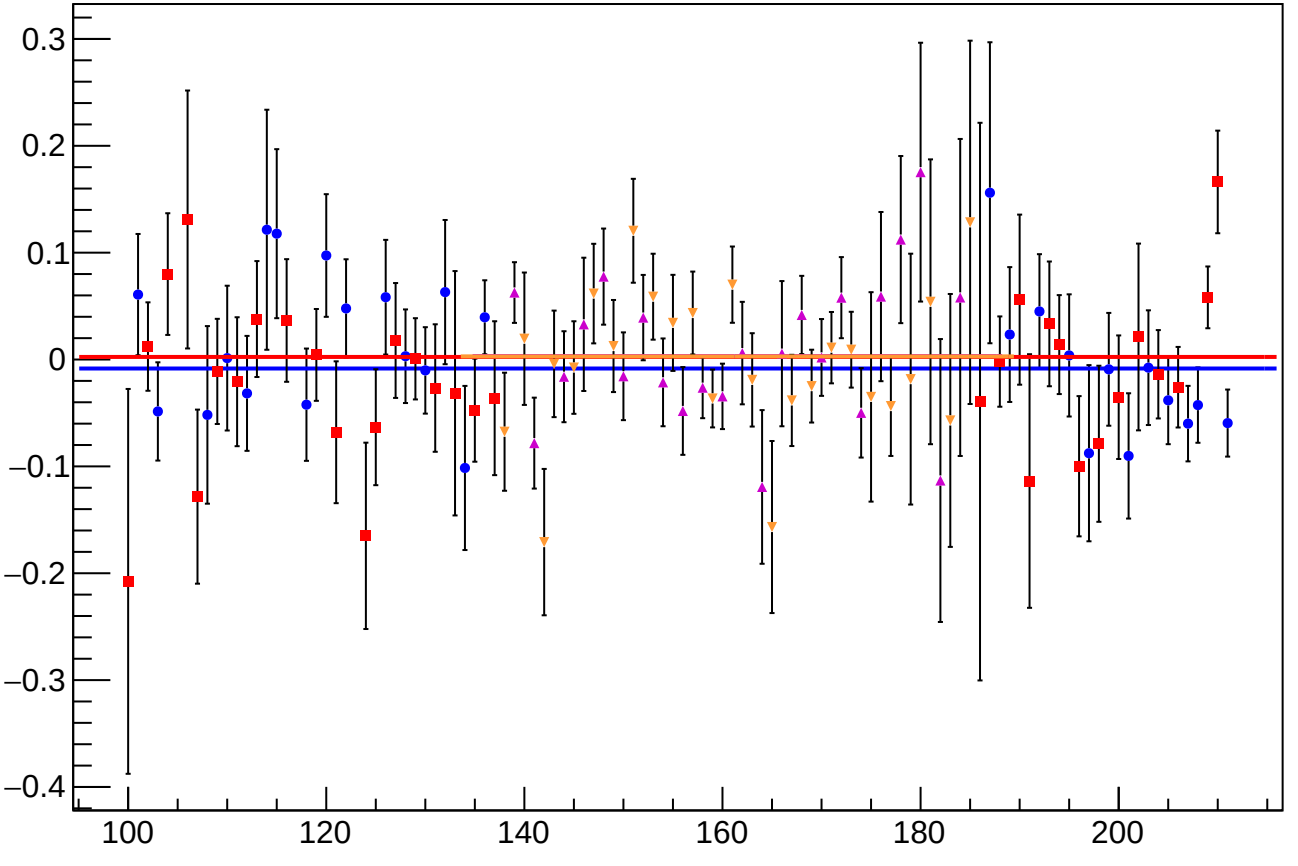
Right: 36.996+/-0.005 χ^2/NDF: 4281996.5/60

In: 36.296+/-0.005 χ^2/NDF:4814059.6/50

Out: 37.301+/-0.005 χ^2/NDF:6307947.4/57

All: 36.797+/-0.003 χ^2/NDF: 11145012.6/108

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

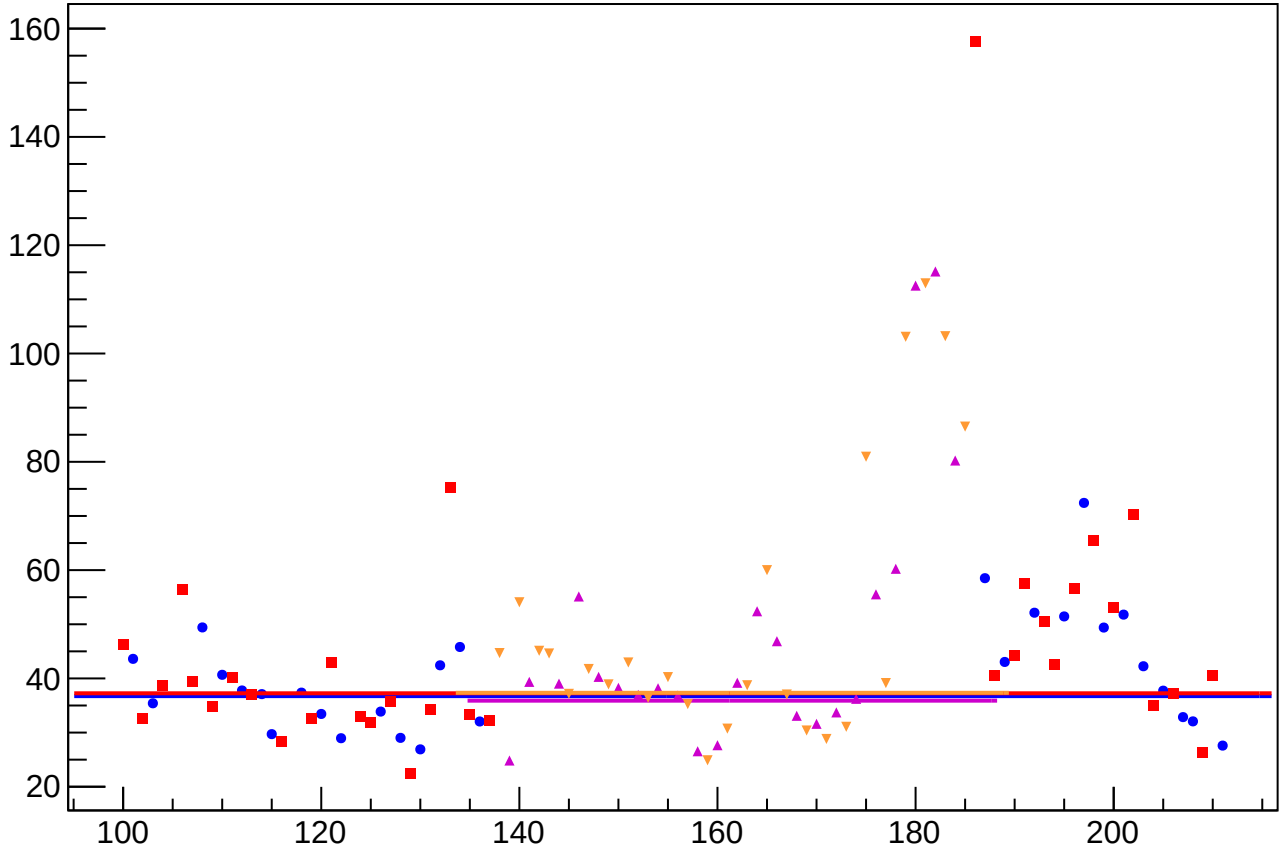
Right: -0.003+/-0.007 χ^2/NDF: 68.5/60

In: -0.002+/-0.007 χ^2/NDF:60.4/50

Out: 0.003+/-0.007 χ^2/NDF:70.9/57

All: 0.000+/-0.005 χ^2/NDF: 131.6/108

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.733+/-0.007 χ^2/NDF: 1667792.7/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.255+/-0.007 χ^2/NDF: 2611211.2/32

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

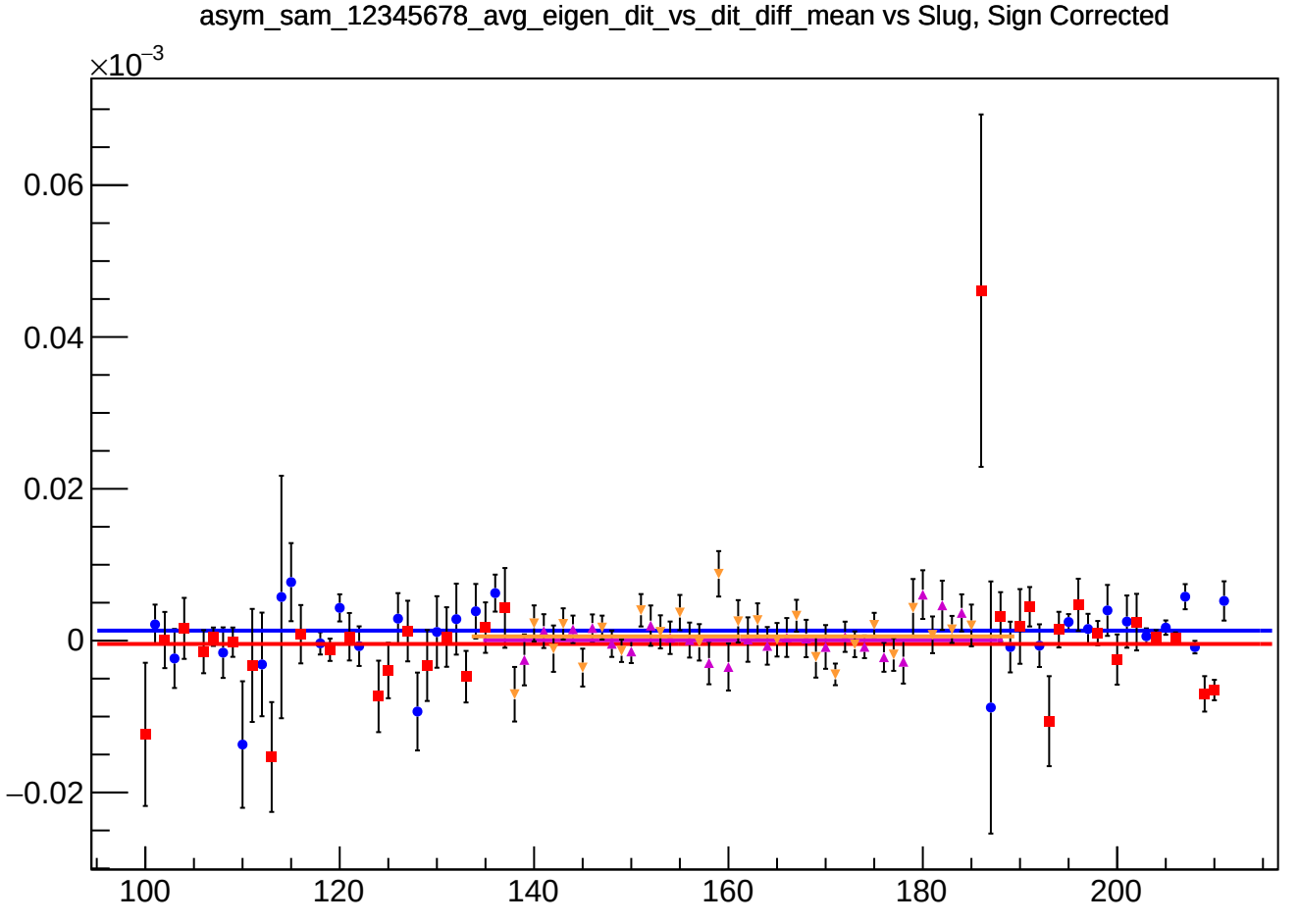
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.996+/-0.005 χ^2/NDF: 4281996.5/60

In: 36.296+/-0.005 χ^2/NDF:4814059.6/50

Out: 37.301+/-0.005 χ^2/NDF:6307947.4/57

All: 36.797+/-0.003 χ^2/NDF: 11145012.6/108



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/27

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.3/32

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

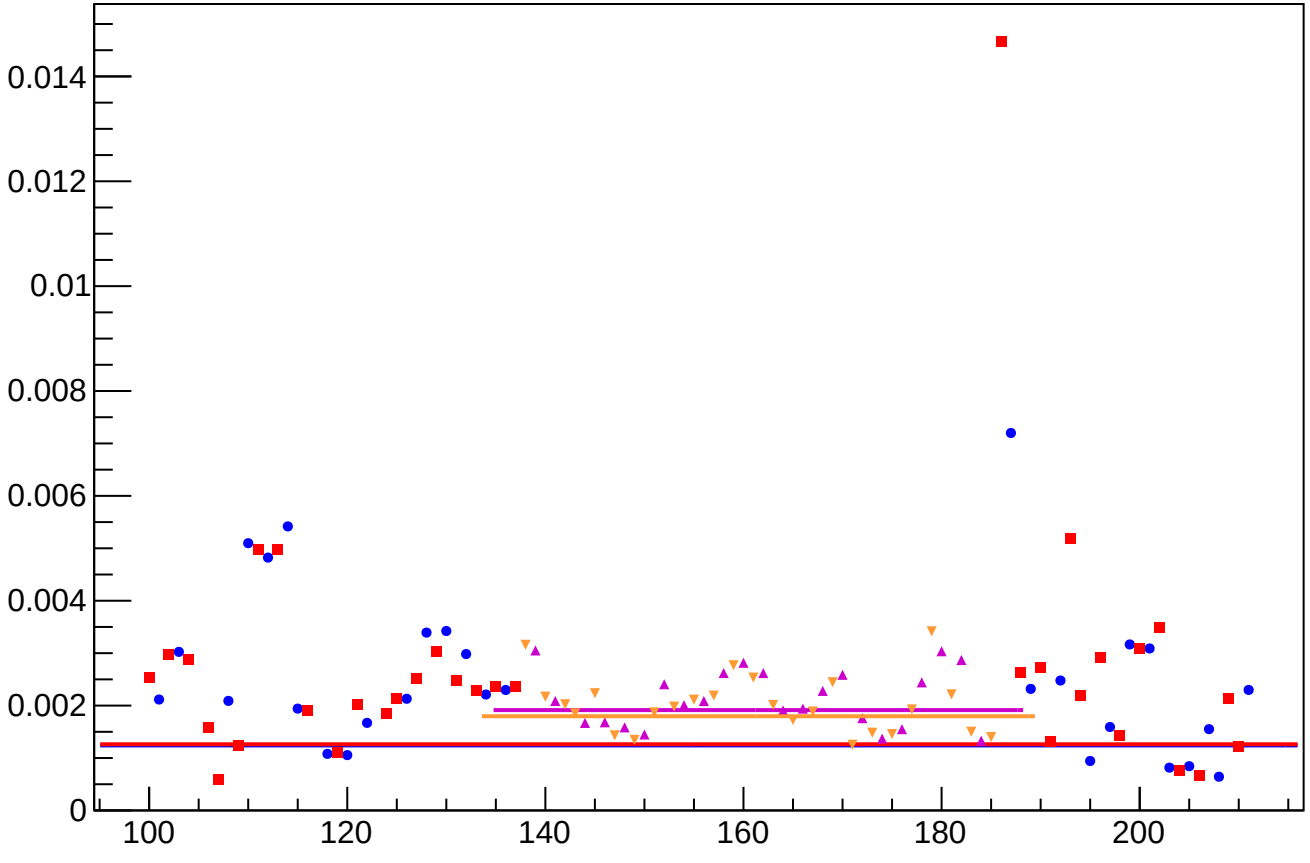
Right: 0.000+/-0.000 χ^2/NDF: 114.2/60

In: 0.000+/-0.000 χ^2/NDF:62.8/50

Out: -0.000+/-0.000 χ^2/NDF:108.0/57

All: 0.000+/-0.000 χ^2/NDF: 175.3/108

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8196736.1/27

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10398540.7/32

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

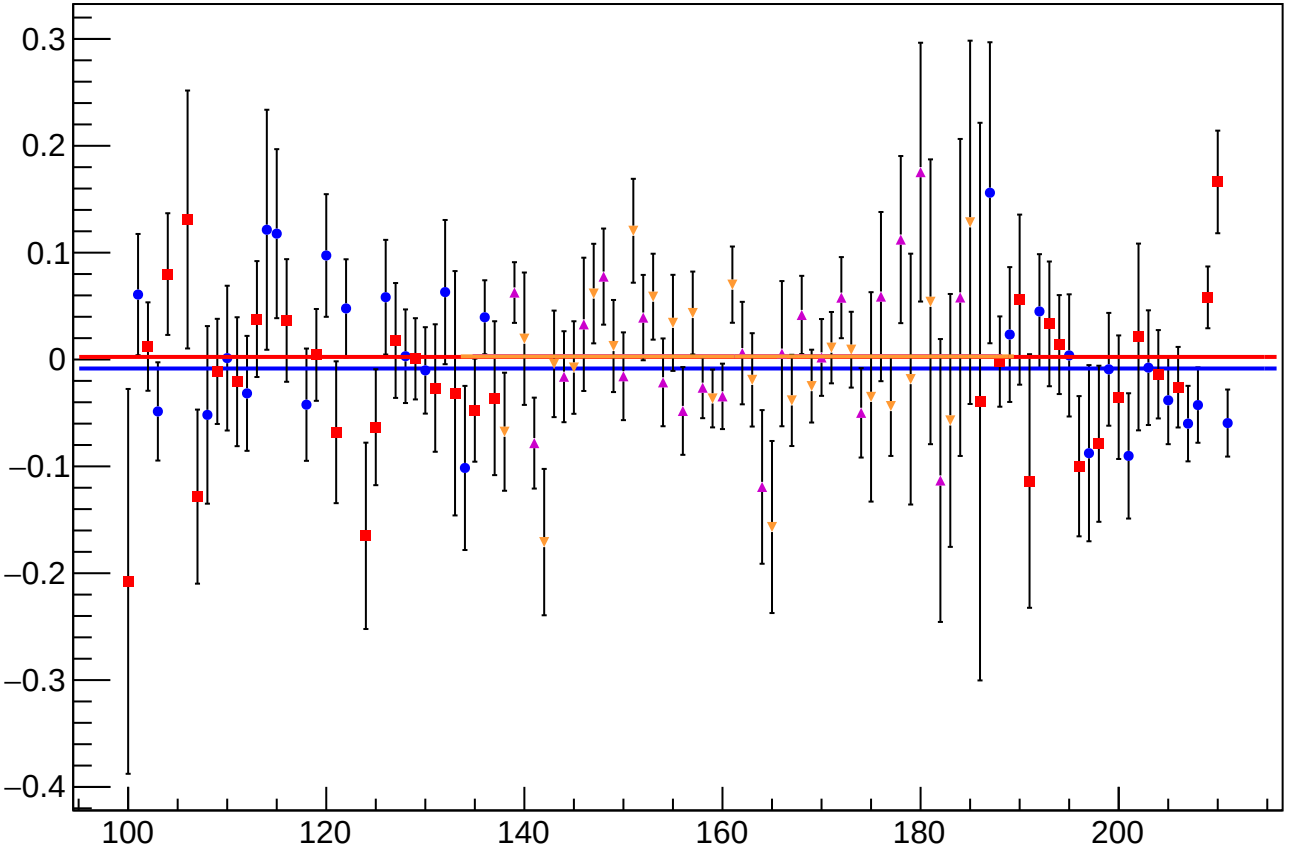
Right: 0.001+/-0.000 χ^2/NDF: 18598771.8/60

In: 0.002+/-0.000 χ^2/NDF:12945108.1/50

Out: 0.001+/-0.000 χ^2/NDF:14495681.4/57

All: 0.001+/-0.000 χ^2/NDF: 27441737.4/108

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

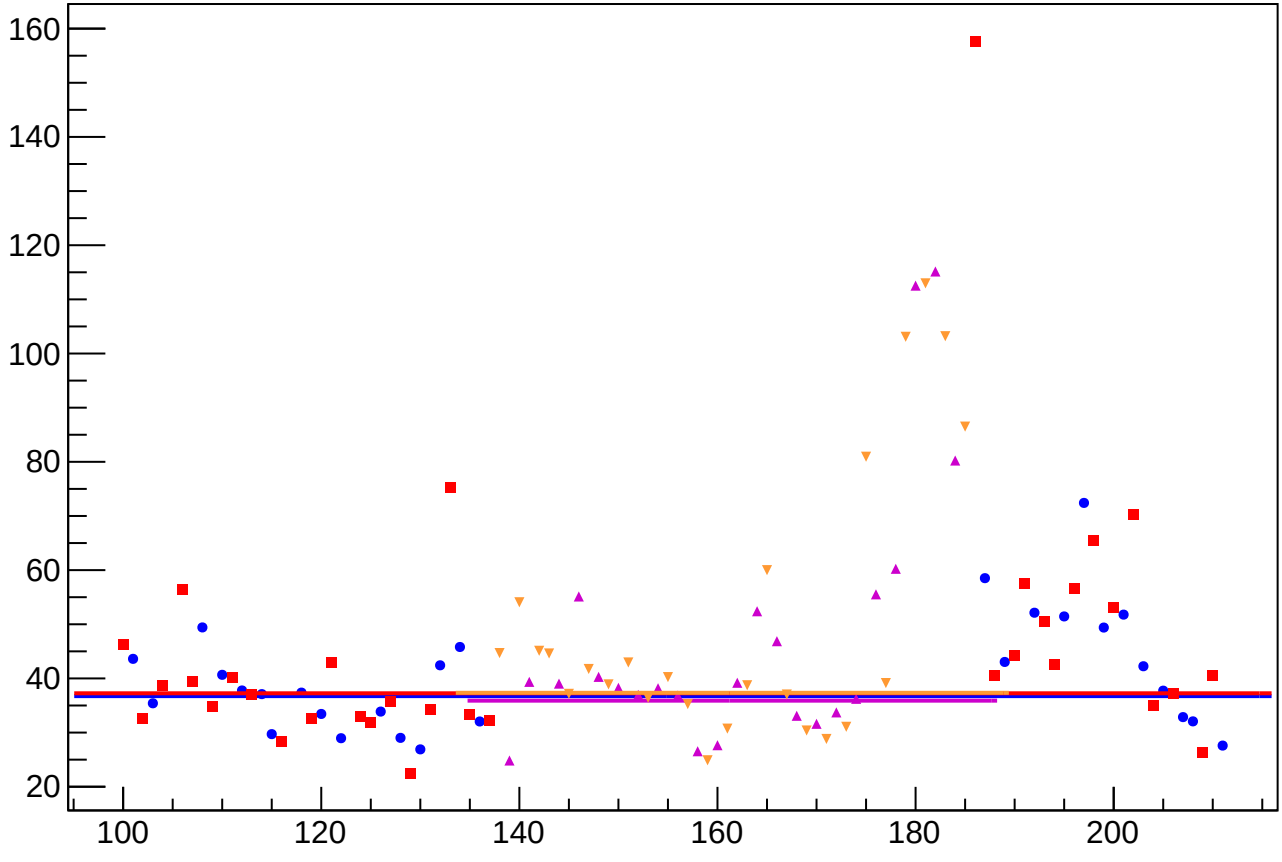
Right: -0.003+/-0.007 χ^2/NDF: 68.5/60

In: -0.002+/-0.007 χ^2/NDF:60.4/50

Out: 0.003+/-0.007 χ^2/NDF:70.9/57

All: 0.000+/-0.005 χ^2/NDF: 131.6/108

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.733+/-0.007 χ^2/NDF: 1667827.5/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.255+/-0.007 χ^2/NDF: 2611296.3/32

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

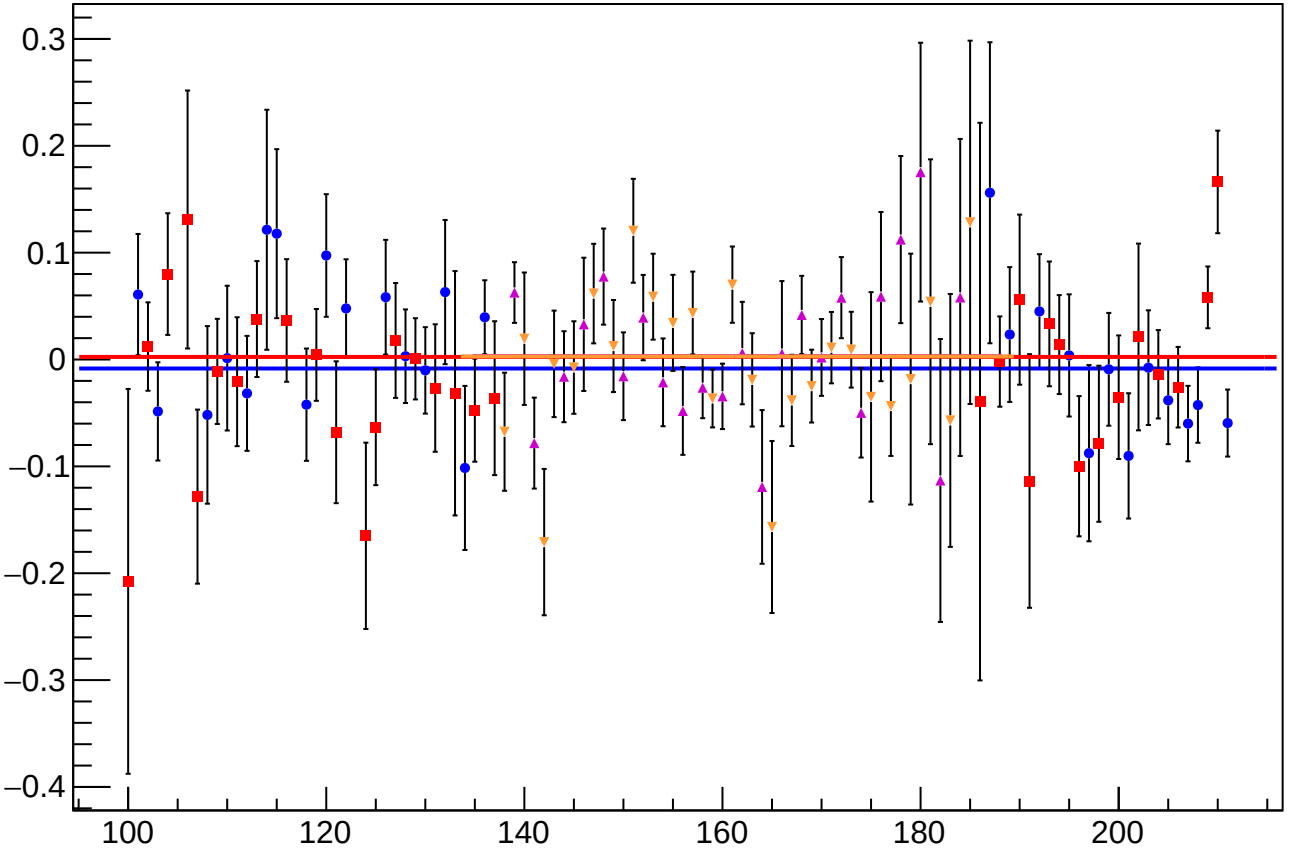
Right: 36.996+/-0.005 χ^2/NDF: 4282117.7/60

In: 36.296+/-0.005 χ^2/NDF:4814097.4/50

Out: 37.301+/-0.005 χ^2/NDF:6308083.7/57

All: 36.797+/-0.003 χ^2/NDF: 11145186.0/108

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 29.8/27

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.002+/-0.010 χ^2/NDF: 38.0/32

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

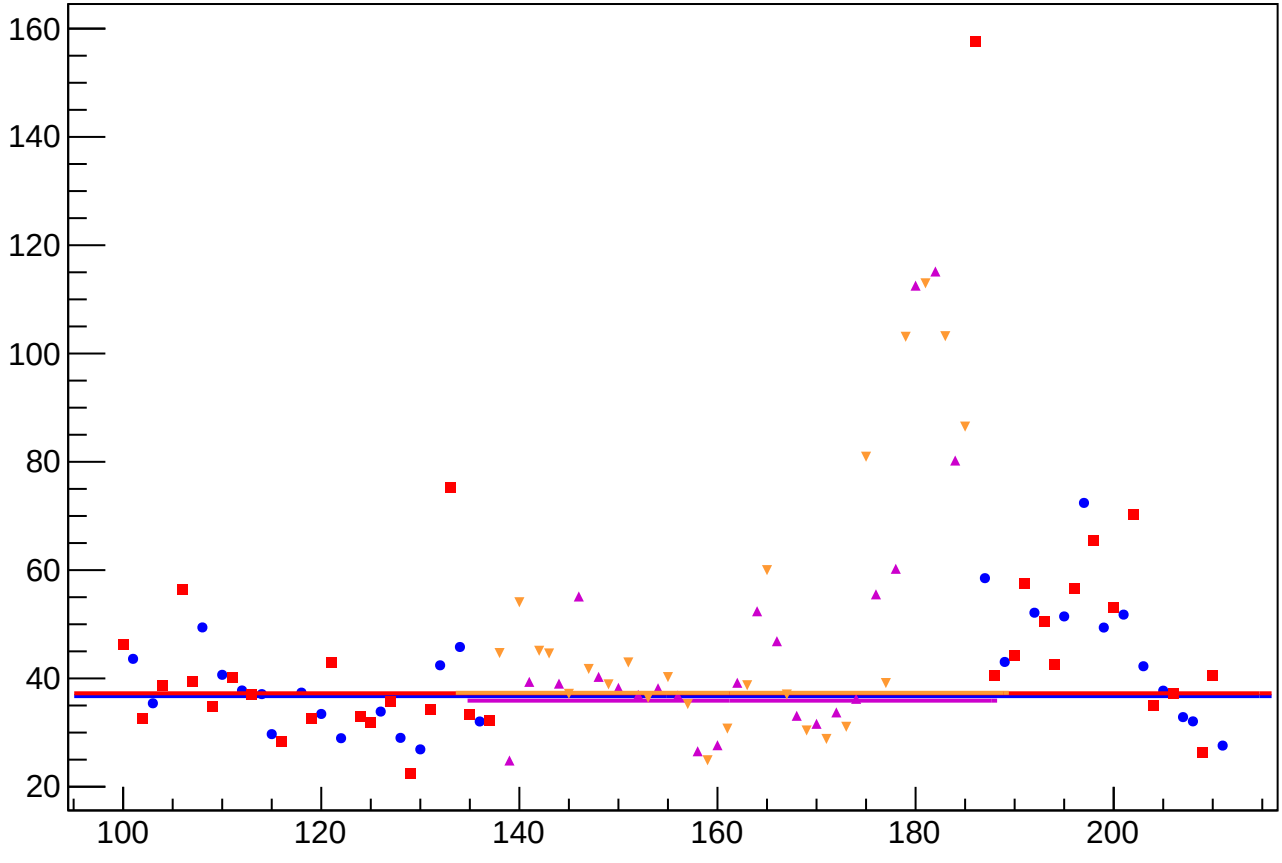
Right: -0.003+/-0.007 χ^2/NDF: 68.5/60

In: -0.002+/-0.007 χ^2/NDF:60.4/50

Out: 0.003+/-0.007 χ^2/NDF:70.9/57

All: 0.000+/-0.005 χ^2/NDF: 131.6/108

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.733+/-0.007 χ^2/NDF: 1667827.5/27

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.255+/-0.007 χ^2/NDF: 2611296.3/32

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

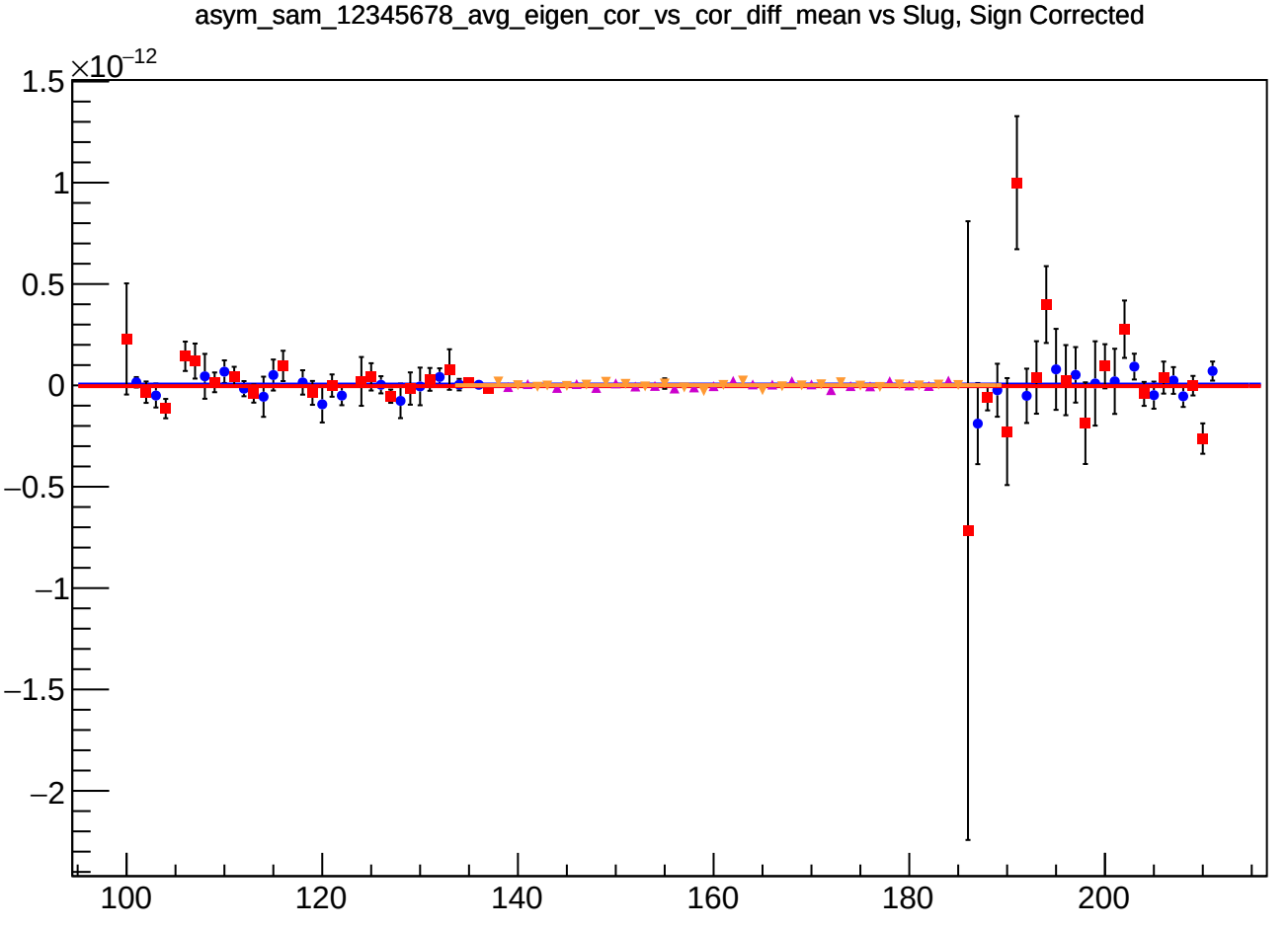
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.996+/-0.005 χ^2/NDF: 4282117.7/60

In: 36.296+/-0.005 χ^2/NDF:4814097.4/50

Out: 37.301+/-0.005 χ^2/NDF:6308083.7/57

All: 36.797+/-0.003 χ^2/NDF: 11145186.0/108



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/27

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.4/32

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

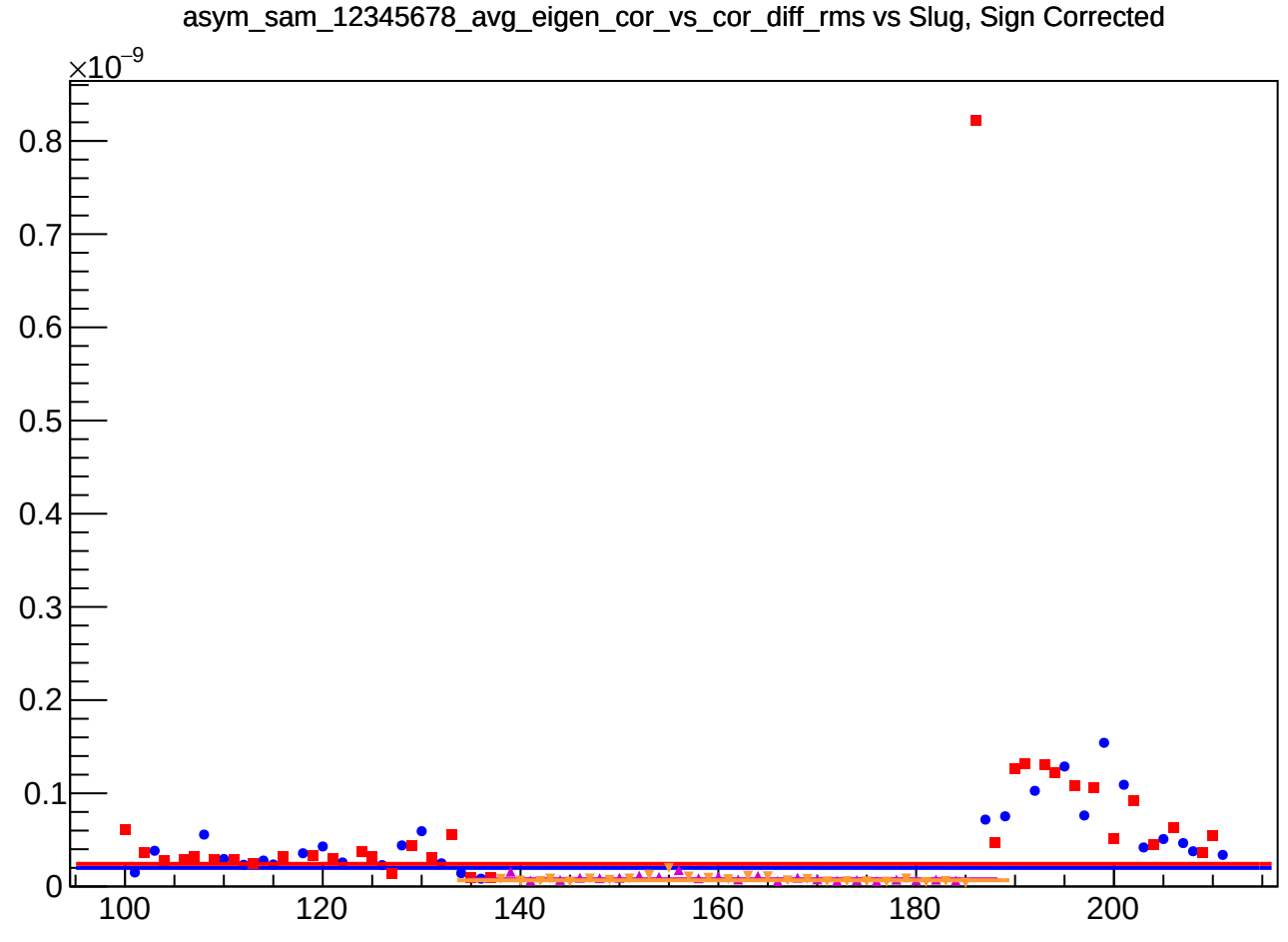
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 70.8/60

In: 0.000+/-0.000 χ^2/NDF:44.3/50

Out: 0.000+/-0.000 χ^2/NDF:77.0/57

All: 0.000+/-0.000 χ^2/NDF: 121.4/108



Right In: 0.000+/-0.000 χ^2/NDF: 8275923.5/27

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8057369.2/32

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

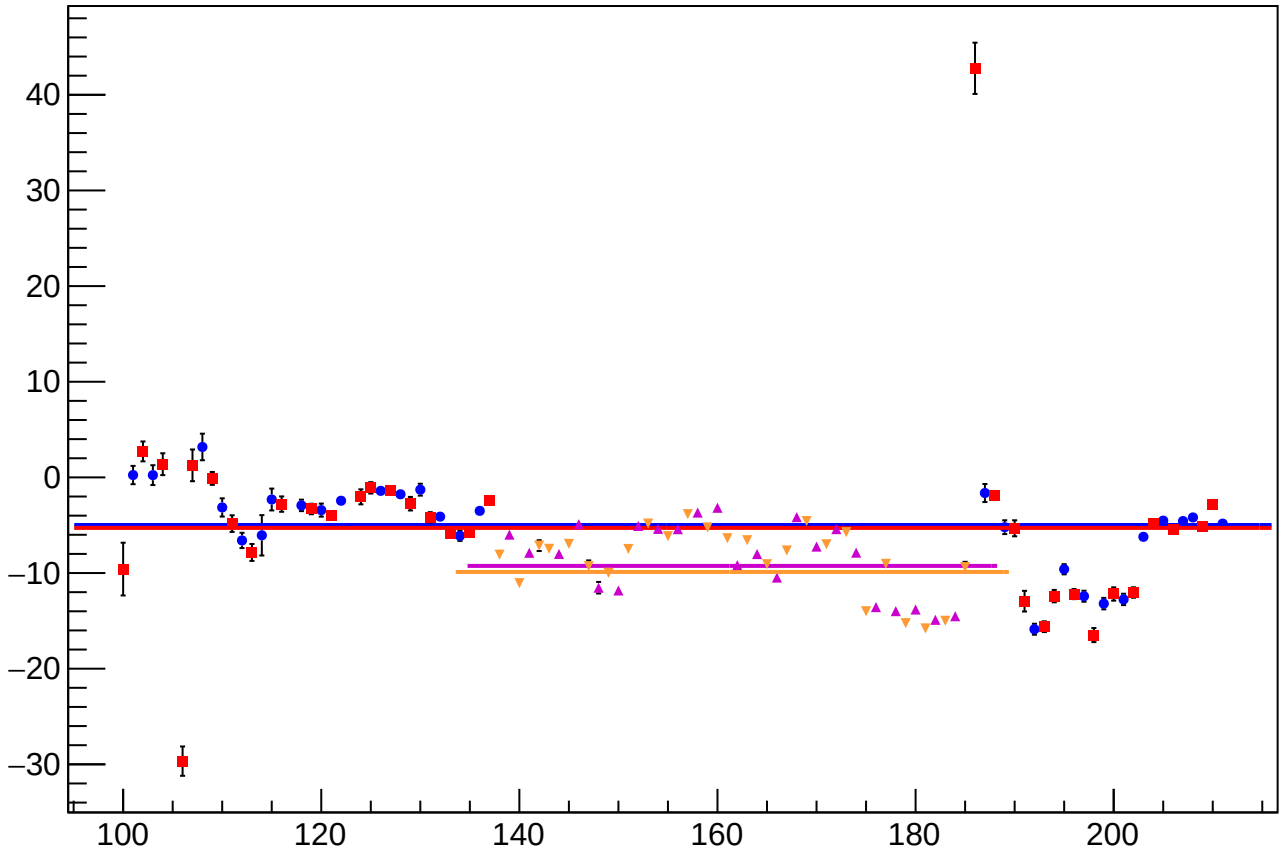
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16571893.9/60

In: 0.000+/-0.000 χ^2/NDF:13983432.2/50

Out: 0.000+/-0.000 χ^2/NDF:16867875.6/57

All: 0.000+/-0.000 χ^2/NDF: 31173563.1/108



Right In: -4.980+/-0.096 χ^2/NDF: 1325.1/27

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.281+/-0.095 χ^2/NDF: 2295.2/32

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

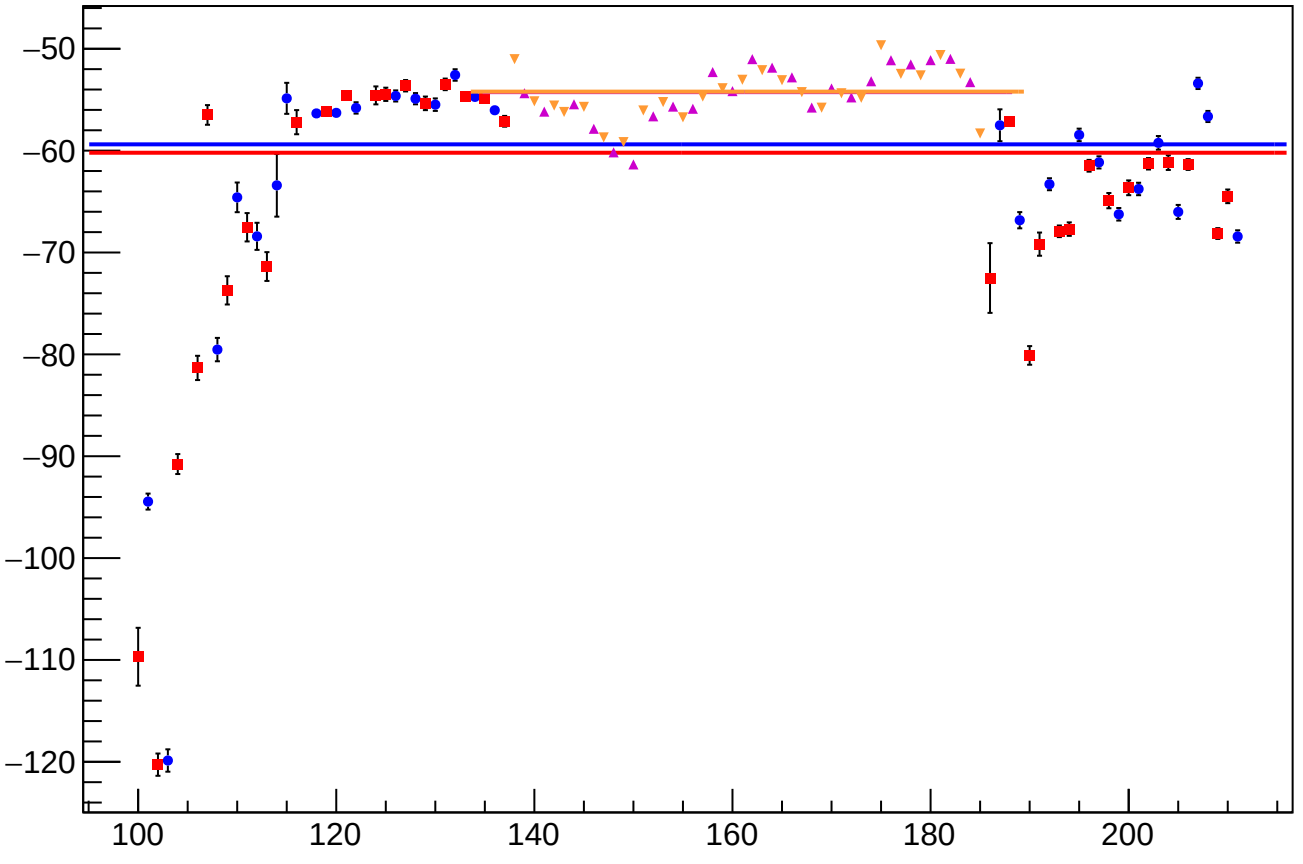
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.131+/-0.067 χ^2/NDF: 3625.2/60

In: -7.718+/-0.057 χ^2/NDF:5672.9/50

Out: -8.285+/-0.056 χ^2/NDF:7027.4/57

All: -8.007+/-0.040 χ^2/NDF: 12750.2/108



Right In: -59.382+/-0.109 χ^2/NDF: 6978.6/27

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -60.206+/-0.108 χ^2/NDF: 7335.6/32

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

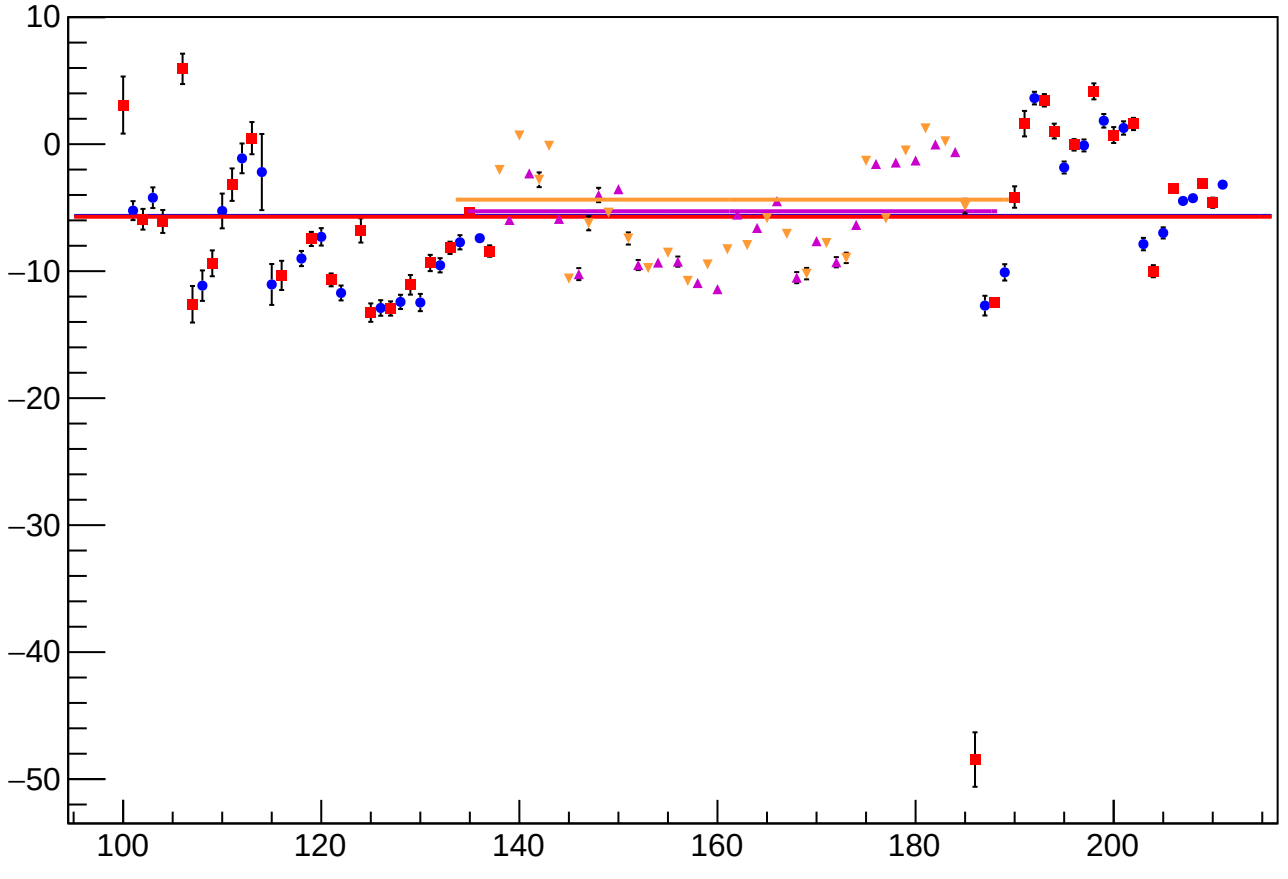
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.797+/-0.077 χ^2/NDF: 14342.8/60

In: -55.392+/-0.051 χ^2/NDF:11179.2/50

Out: -55.462+/-0.050 χ^2/NDF:11610.8/57

All: -55.429+/-0.036 χ^2/NDF: 22790.9/108



Right In: -5.649+/-0.096 χ^2/NDF: 1871.2/27

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.713+/-0.094 χ^2/NDF: 3267.7/32

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

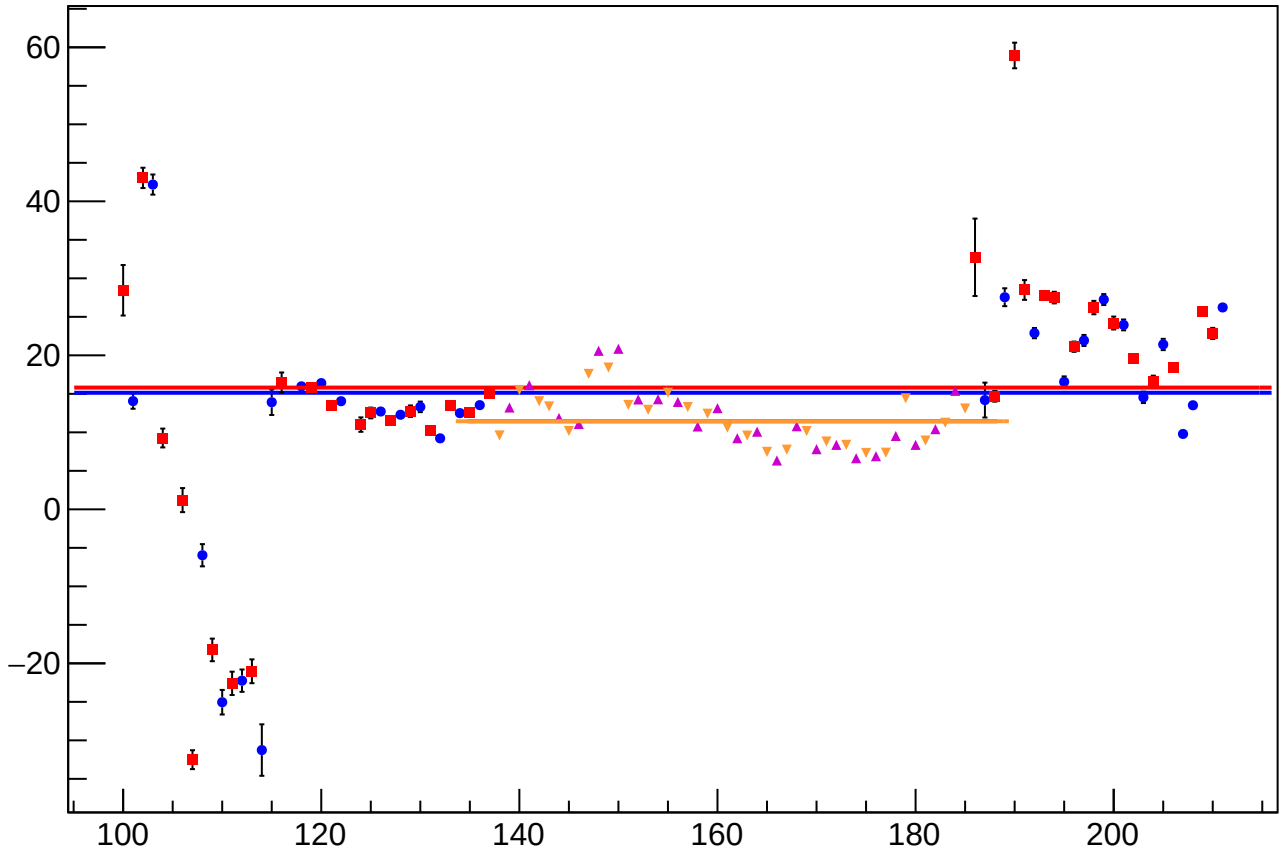
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.682+/-0.067 χ^2/NDF: 5139.1/60

In: -5.413+/-0.057 χ^2/NDF:4630.8/50

Out: -4.838+/-0.056 χ^2/NDF:7101.6/57

All: -5.119+/-0.040 χ^2/NDF: 11784.3/108



Right In: 15.140+/-0.122 χ^2/NDF: 3605.2/27

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.811+/-0.123 χ^2/NDF: 6328.9/32

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

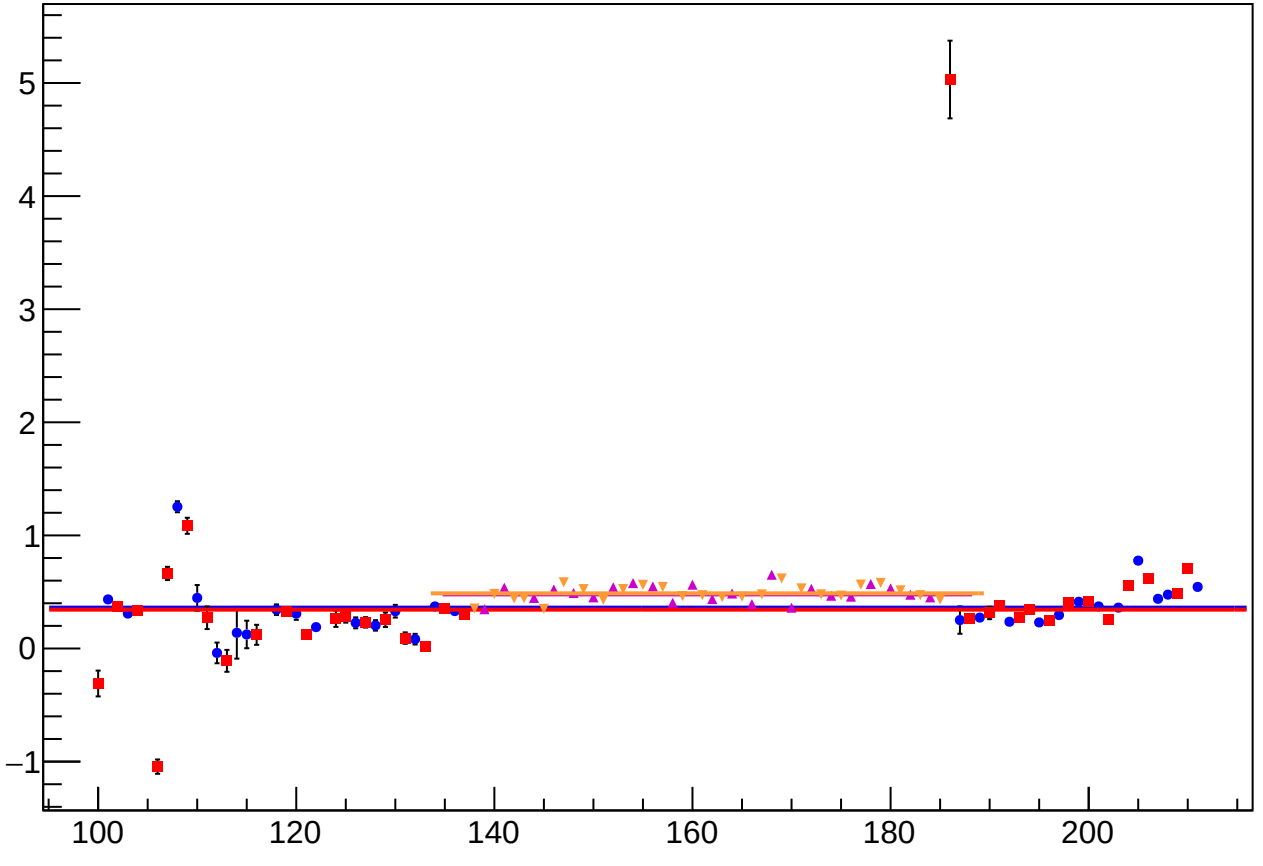
Right: 15.472+/-0.087 χ^2/NDF: 9949.0/60

In: 12.244+/-0.057 χ^2/NDF:7684.2/50

Out: 12.322+/-0.055 χ^2/NDF:9771.0/57

All: 12.284+/-0.040 χ^2/NDF: 17456.2/108

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.005 χ^2/NDF: 761.1/27

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.344+/-0.005 χ^2/NDF: 1451.5/32

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

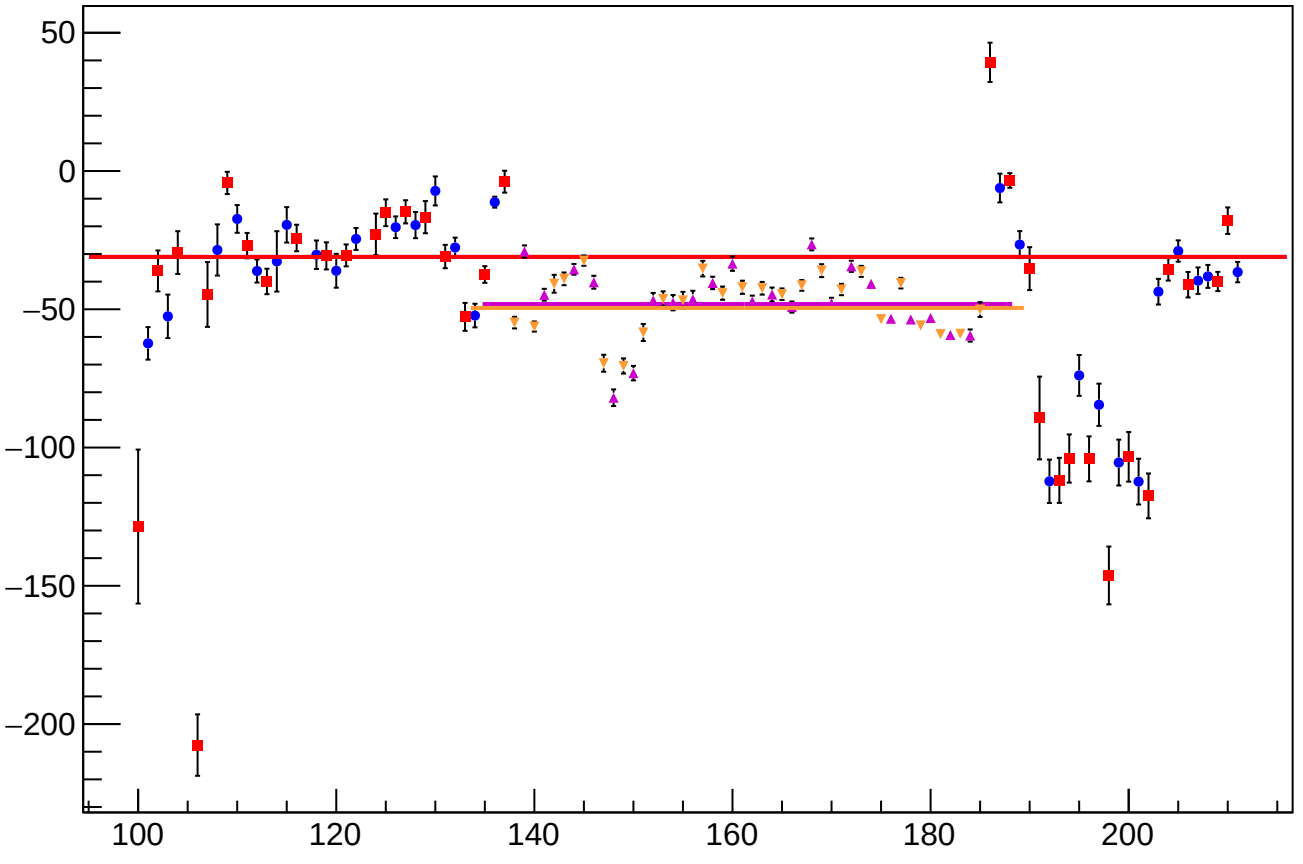
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.353+/-0.004 χ^2/NDF: 2218.1/60

In: 0.454+/-0.002 χ^2/NDF:1941.2/50

Out: 0.458+/-0.002 χ^2/NDF:2560.5/57

All: 0.456+/-0.002 χ^2/NDF: 4503.7/108



Right In: -31.060+/-0.878 χ^2/NDF: 617.0/27

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -31.059+/-0.887 χ^2/NDF: 1212.7/32

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

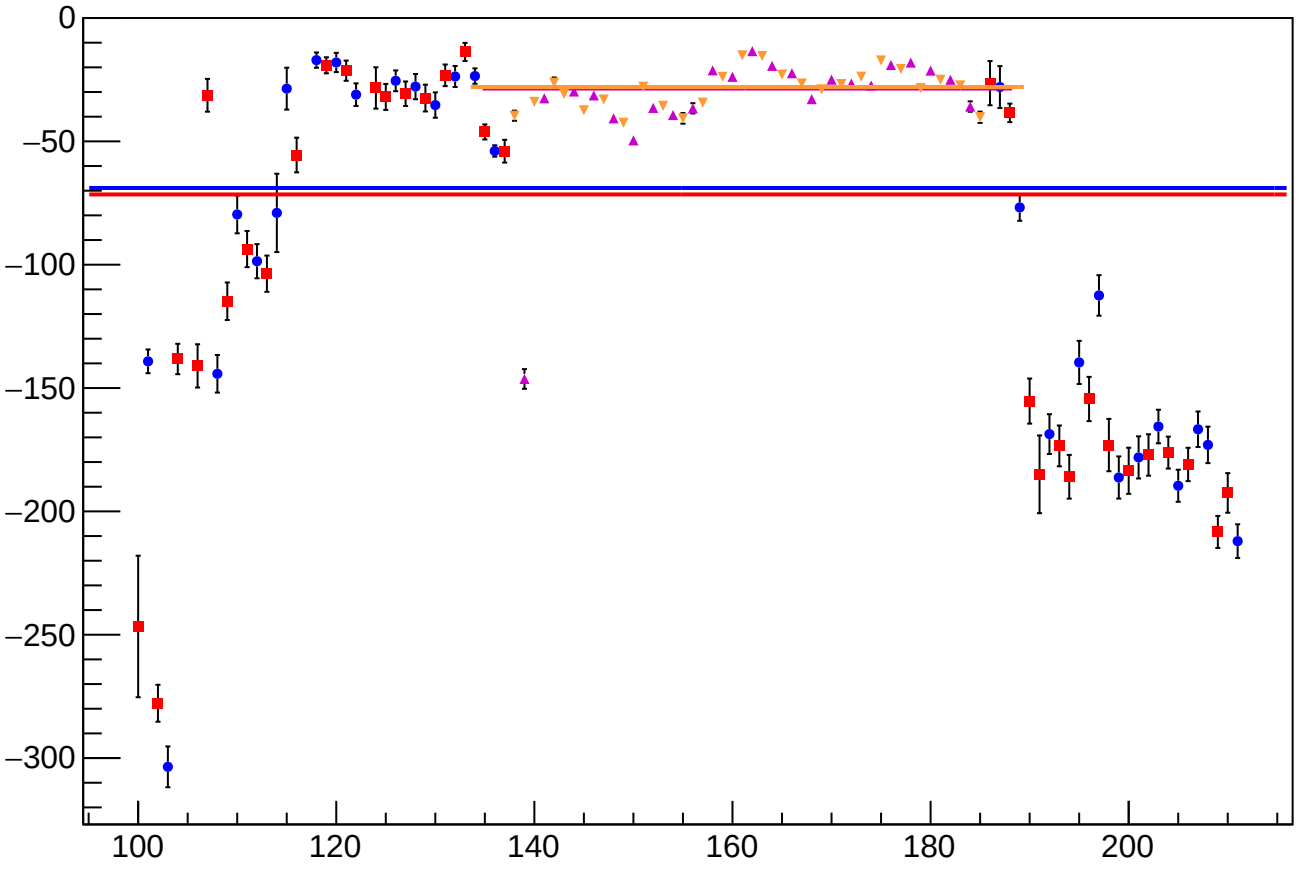
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -31.059+/-0.624 χ^2/NDF: 1829.7/60

In: -44.937+/-0.378 χ^2/NDF:1629.4/50

Out: -46.363+/-0.366 χ^2/NDF:2148.5/57

All: -45.672+/-0.263 χ^2/NDF: 3785.2/108



Right In: -68.895+/-0.977 χ^2/NDF: 4247.1/27

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -71.518+/-1.013 χ^2/NDF: 4375.1/32

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

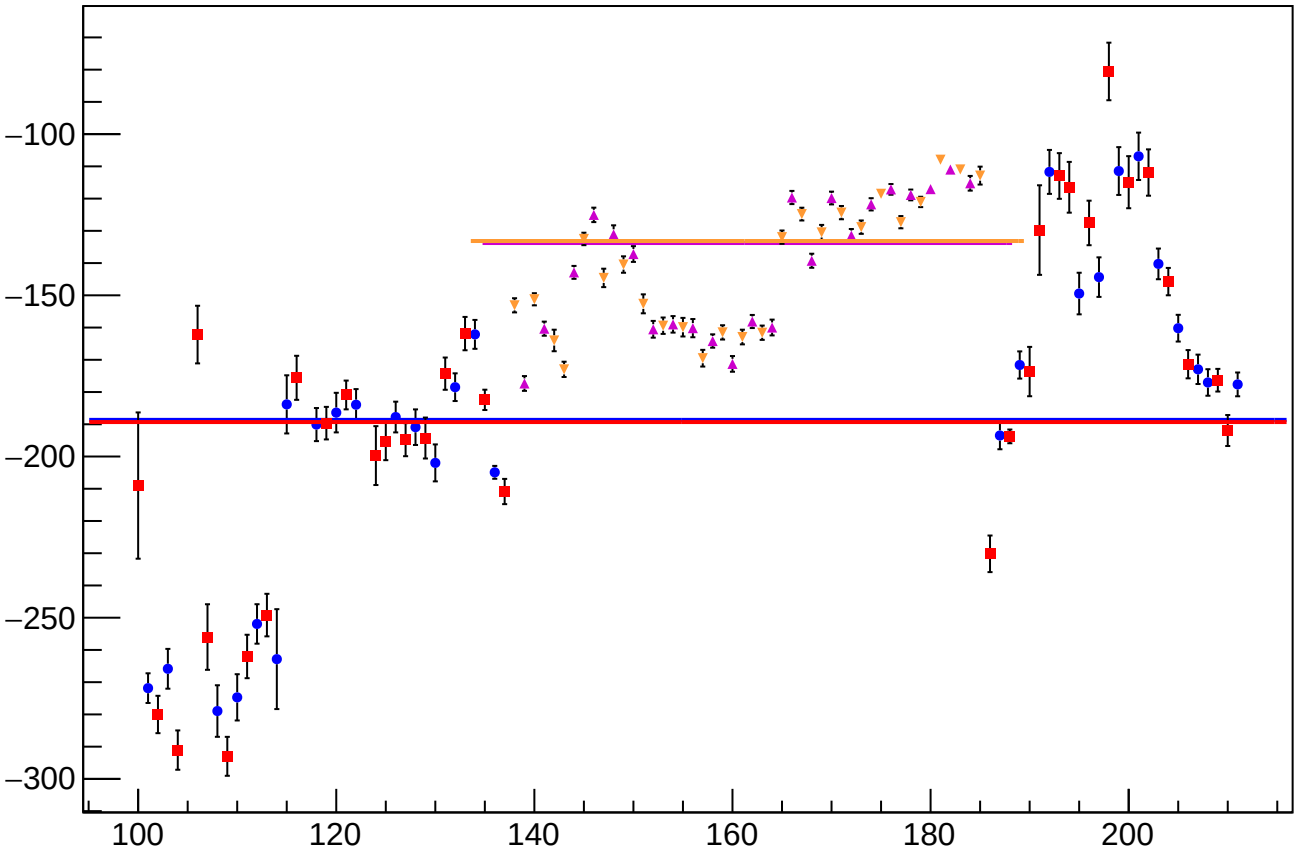
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -70.159+/-0.703 χ^2/NDF: 8625.7/60

In: -32.802+/-0.316 χ^2/NDF:7252.3/50

Out: -31.934+/-0.306 χ^2/NDF:6552.8/57

All: -32.355+/-0.220 χ^2/NDF: 13809.0/108



Right In: -188.635+/-0.904 χ^2/NDF: 1643.5/27

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.311+/-0.905 χ^2/NDF: 1998.9/32

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

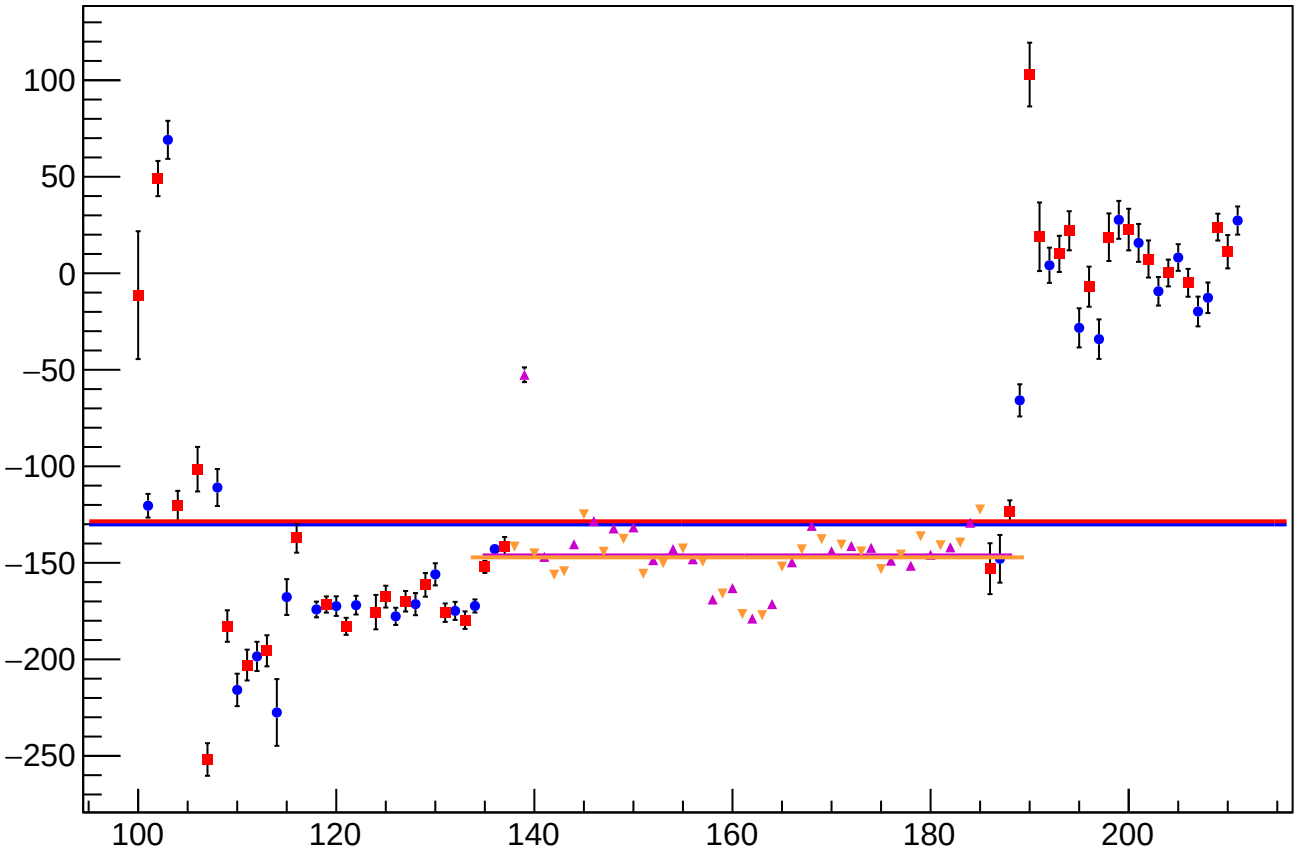
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -188.973+/-0.640 χ^2/NDF: 3642.7/60

In: -143.397+/-0.379 χ^2/NDF:7119.3/50

Out: -142.442+/-0.368 χ^2/NDF:7742.2/57

All: -142.906+/-0.264 χ^2/NDF: 14864.8/108



Right In: -130.098+/-1.098 χ^2/NDF: 3877.4/27

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -128.490+/-1.158 χ^2/NDF: 4290.7/32

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

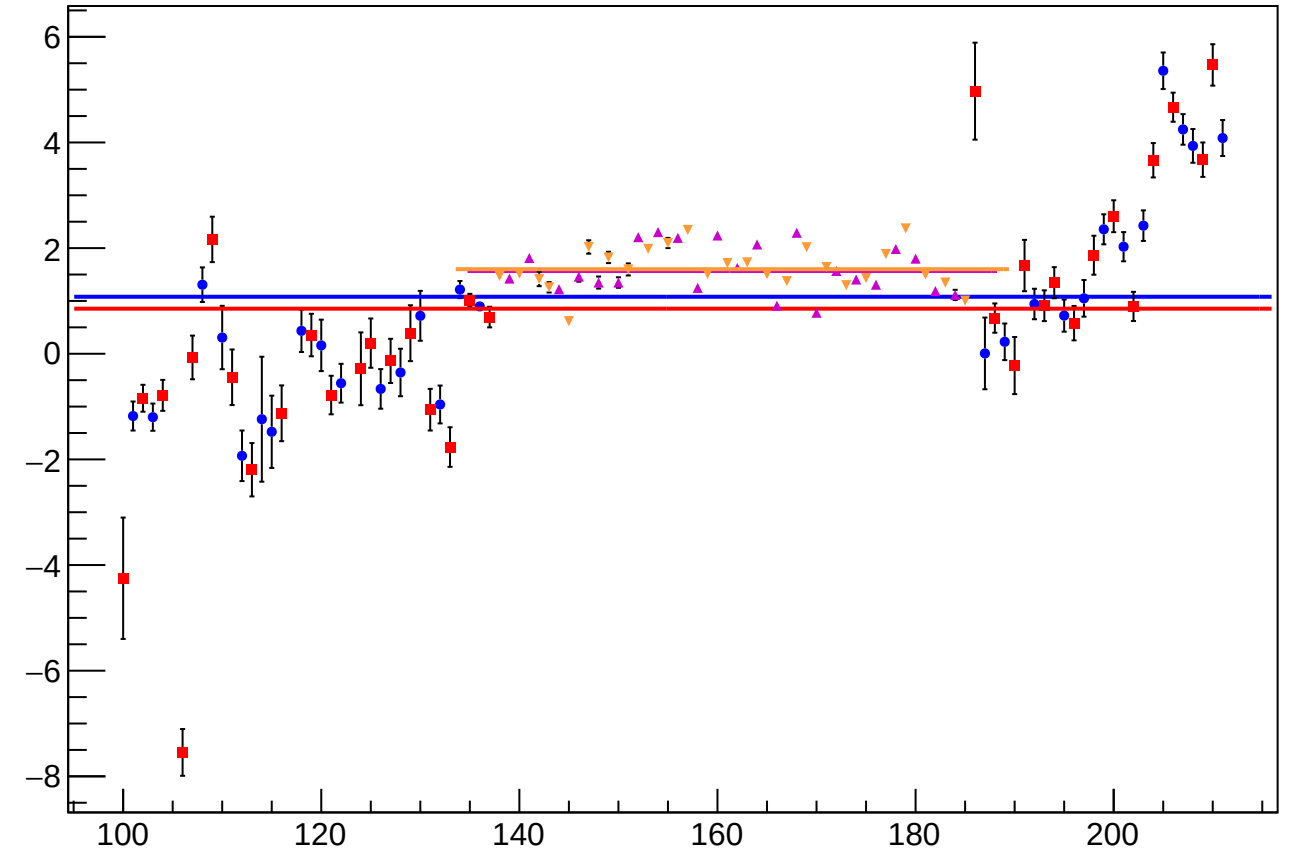
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -129.337+/-0.797 χ^2/NDF: 8169.1/60

In: -144.529+/-0.351 χ^2/NDF:5863.6/50

Out: -145.537+/-0.342 χ^2/NDF:5773.8/57

All: -145.046+/-0.245 χ^2/NDF: 11641.6/108



Right In: 1.079+/-0.053 χ^2/NDF: 794.8/27

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.853+/-0.056 χ^2/NDF: 1185.9/32

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

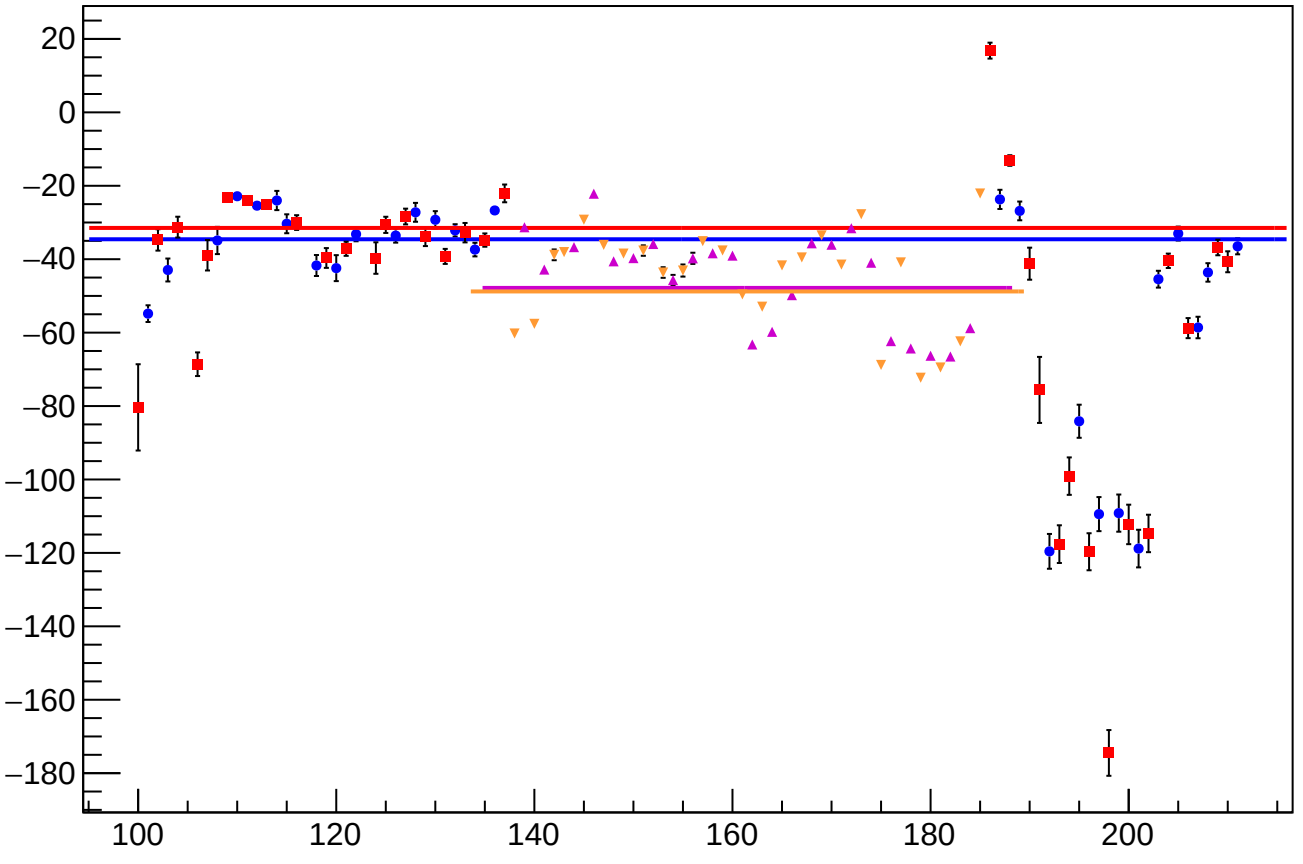
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.973+/-0.039 χ^2/NDF: 1989.2/60

In: 1.525+/-0.016 χ^2/NDF:1607.4/50

Out: 1.545+/-0.015 χ^2/NDF:1931.0/57

All: 1.535+/-0.011 χ^2/NDF: 3539.2/108



Right In: -34.569+/-0.407 χ^2/NDF: 1655.9/27

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.482+/-0.388 χ^2/NDF: 2953.2/32

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

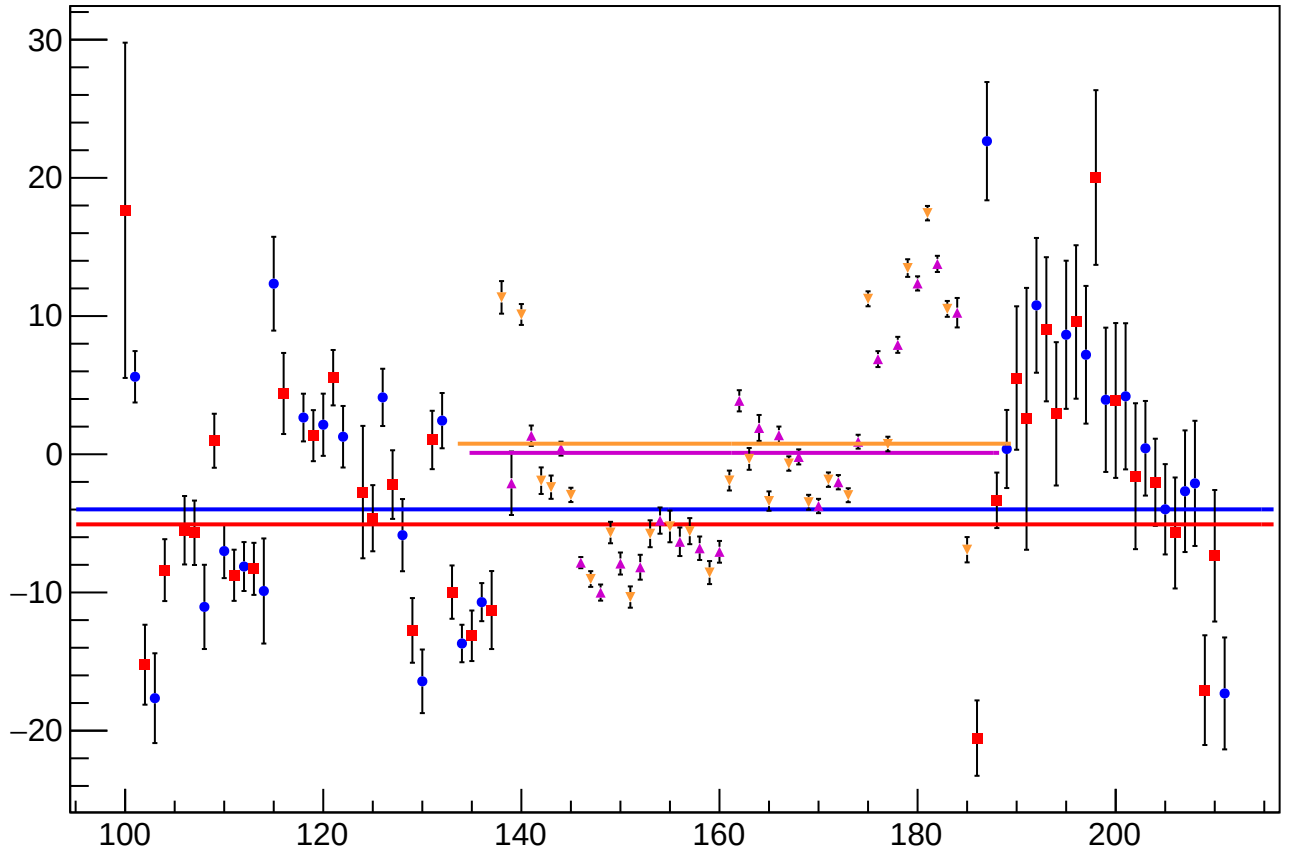
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

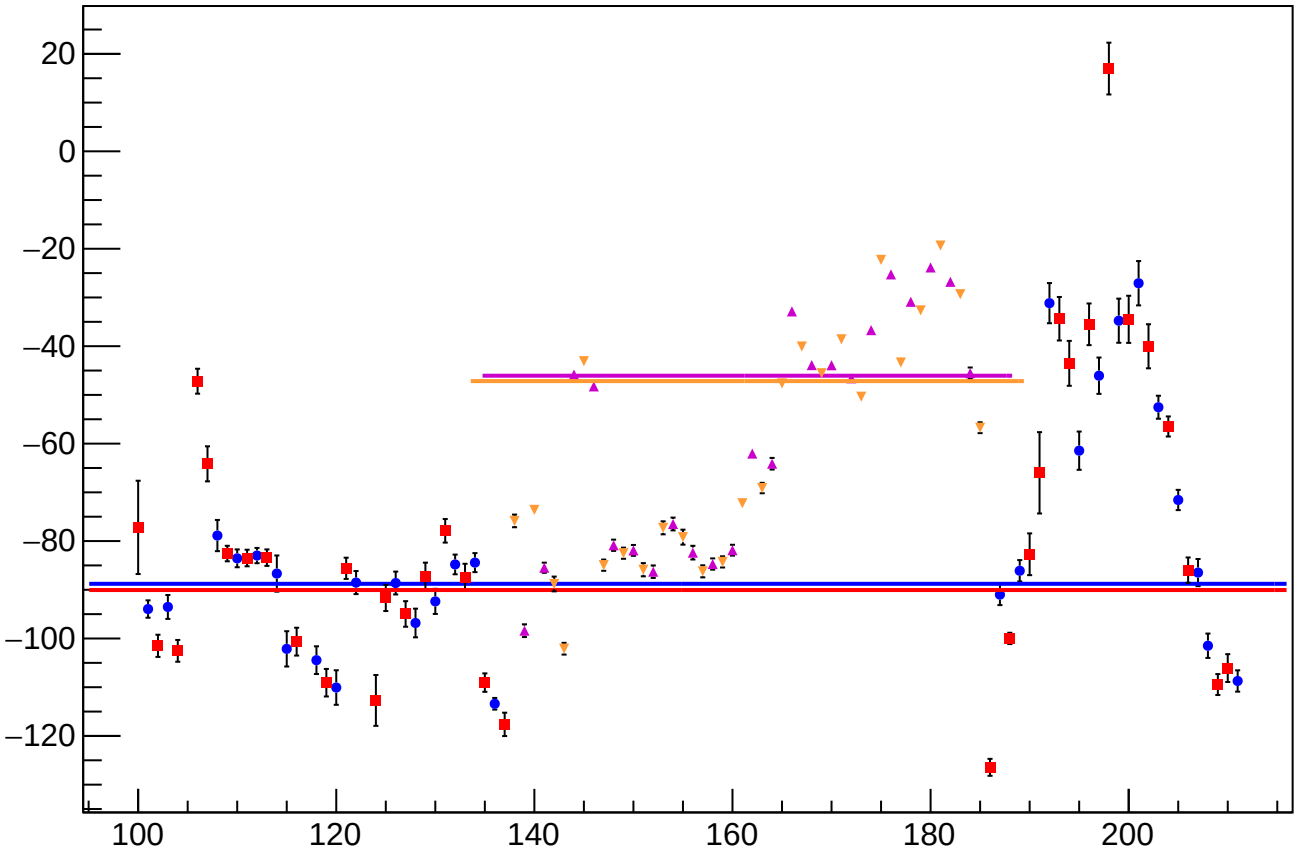
Right: -32.951+/-0.281 χ^2/NDF: 4639.2/60

In: -45.854+/-0.157 χ^2/NDF:9781.9/50

Out: -46.085+/-0.153 χ^2/NDF:13585.3/57

All: -45.972+/-0.110 χ^2/NDF: 23368.3/108


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.987+/-0.468 χ²/NDF: 319.5/27
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.072+/-0.469 χ²/NDF: 220.0/32
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.529+/-0.331 χ²/NDF: 542.2/60
In: -0.203+/-0.128 χ²/NDF:3111.9/50
Out: 0.335+/-0.127 χ²/NDF:3830.8/57
All: 0.067+/-0.090 χ²/NDF: 6951.5/108



Right In: -88.774+/-0.443 χ^2/NDF: 1683.5/27

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.053+/-0.425 χ^2/NDF: 2772.6/32

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

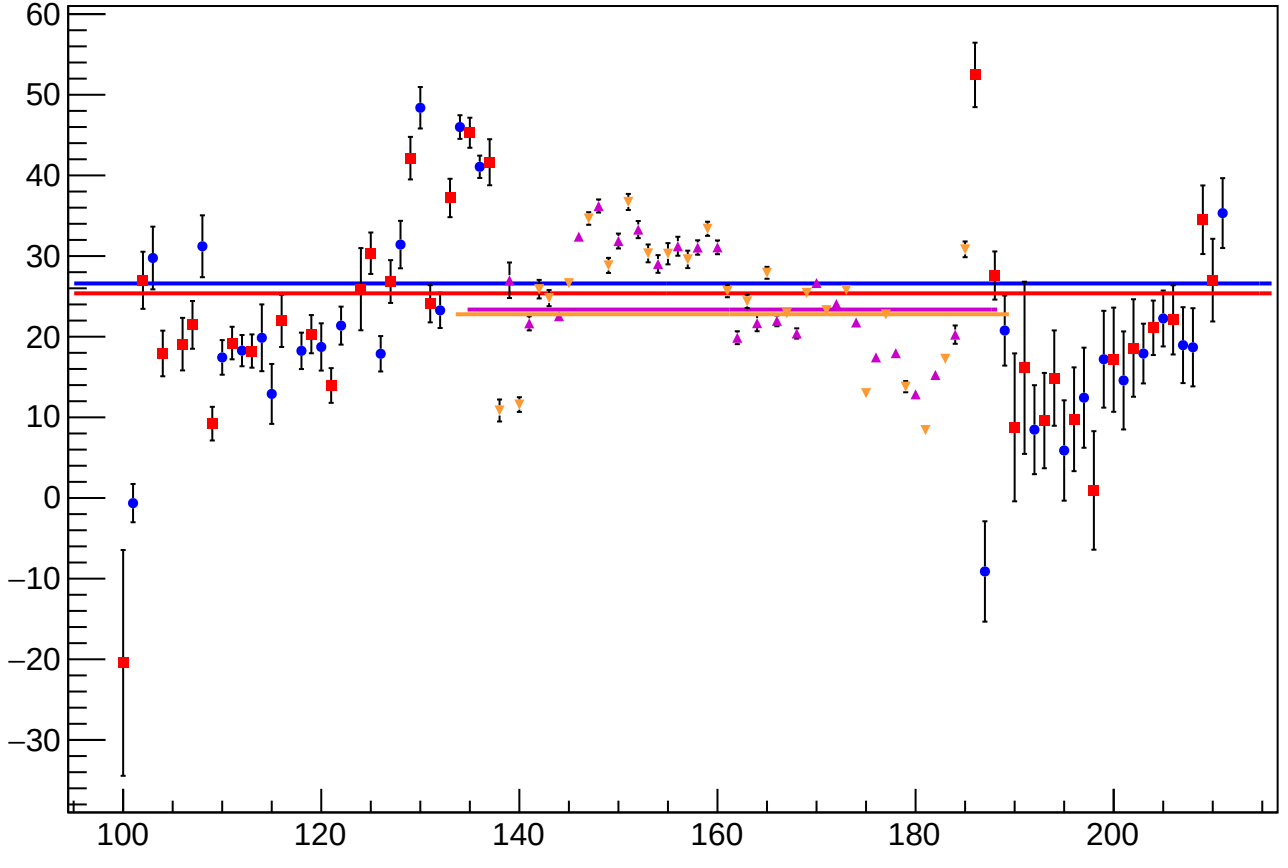
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -89.440+/-0.307 χ^2/NDF: 4460.5/60

In: -51.549+/-0.159 χ^2/NDF:24554.0/50

Out: -52.937+/-0.156 χ^2/NDF:29246.4/57

All: -52.256+/-0.111 χ^2/NDF: 53839.3/108



Right In: 26.602+/-0.527 χ^2/NDF: 674.4/27

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.377+/-0.538 χ^2/NDF: 442.2/32

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

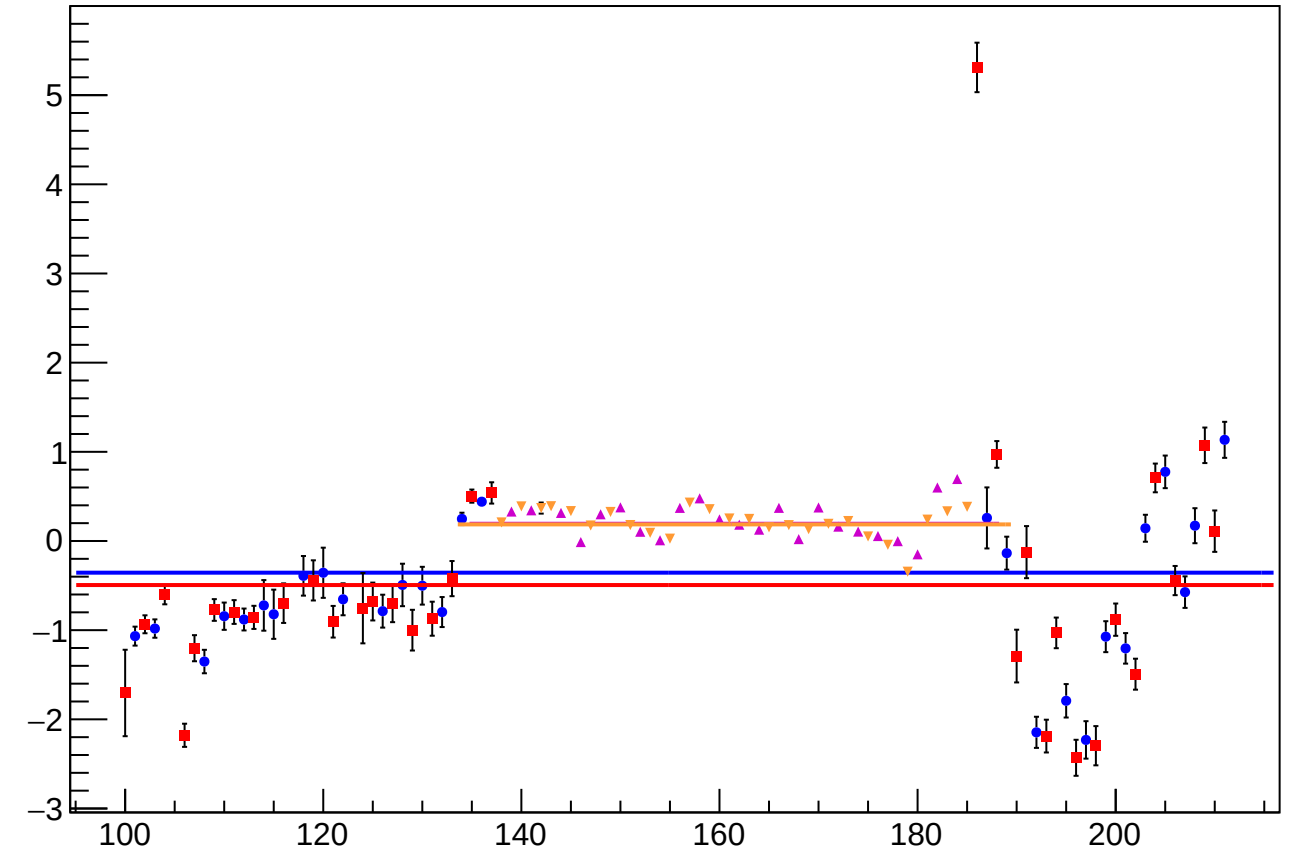
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.003+/-0.376 χ^2/NDF: 1119.2/60

In: 23.605+/-0.143 χ^2/NDF:2494.7/50

Out: 22.963+/-0.142 χ^2/NDF:2876.7/57

All: 23.281+/-0.101 χ^2/NDF: 5381.6/108



Right In: -0.355+/-0.027 χ^2/NDF: 864.4/27

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.494+/-0.028 χ^2/NDF: 1469.6/32

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

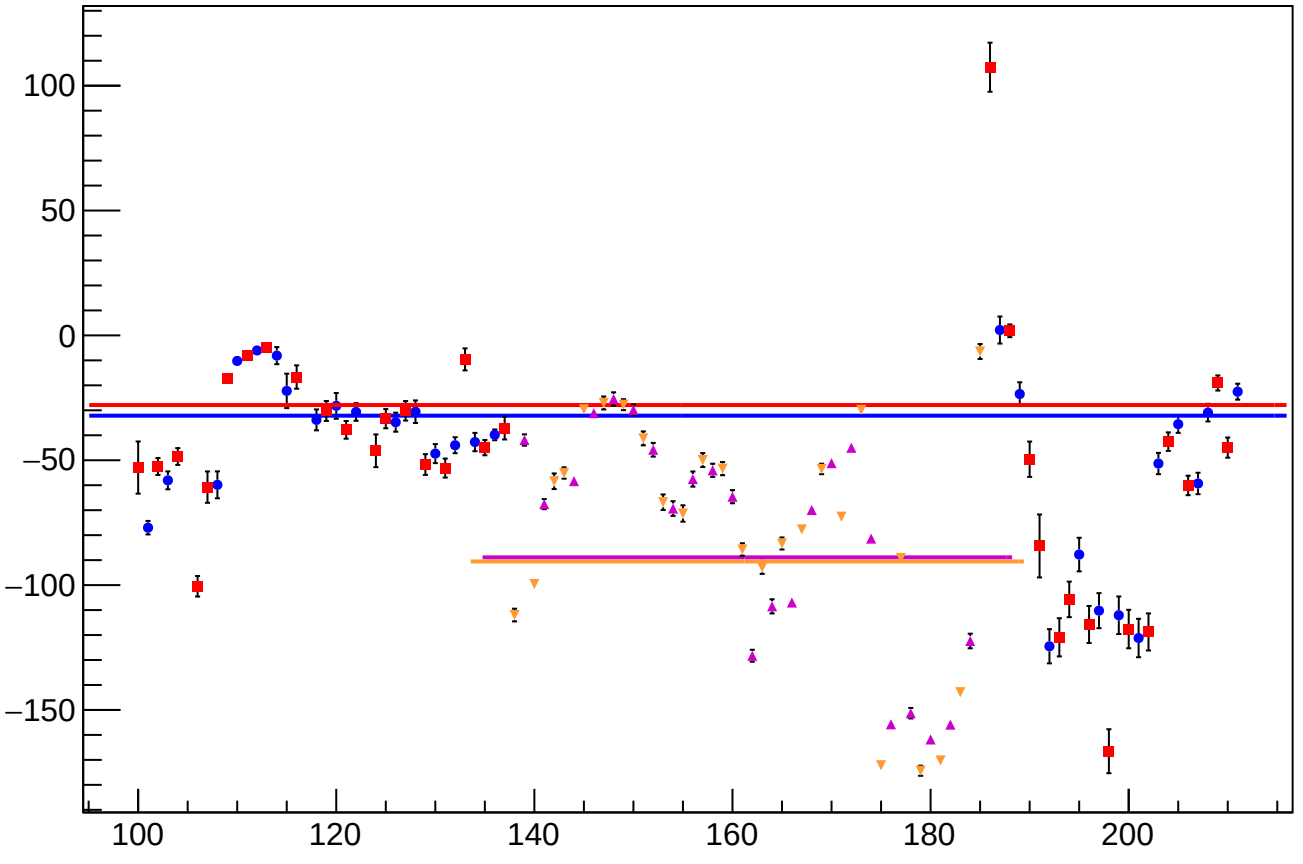
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.422+/-0.019 χ^2/NDF: 2347.0/60

In: 0.161+/-0.006 χ^2/NDF:2201.9/50

Out: 0.150+/-0.006 χ^2/NDF:2684.5/57

All: 0.155+/-0.005 χ^2/NDF: 4887.8/108



Right In: -32.152+/-0.641 χ^2/NDF: 1662.0/27

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.891+/-0.589 χ^2/NDF: 2421.9/32

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

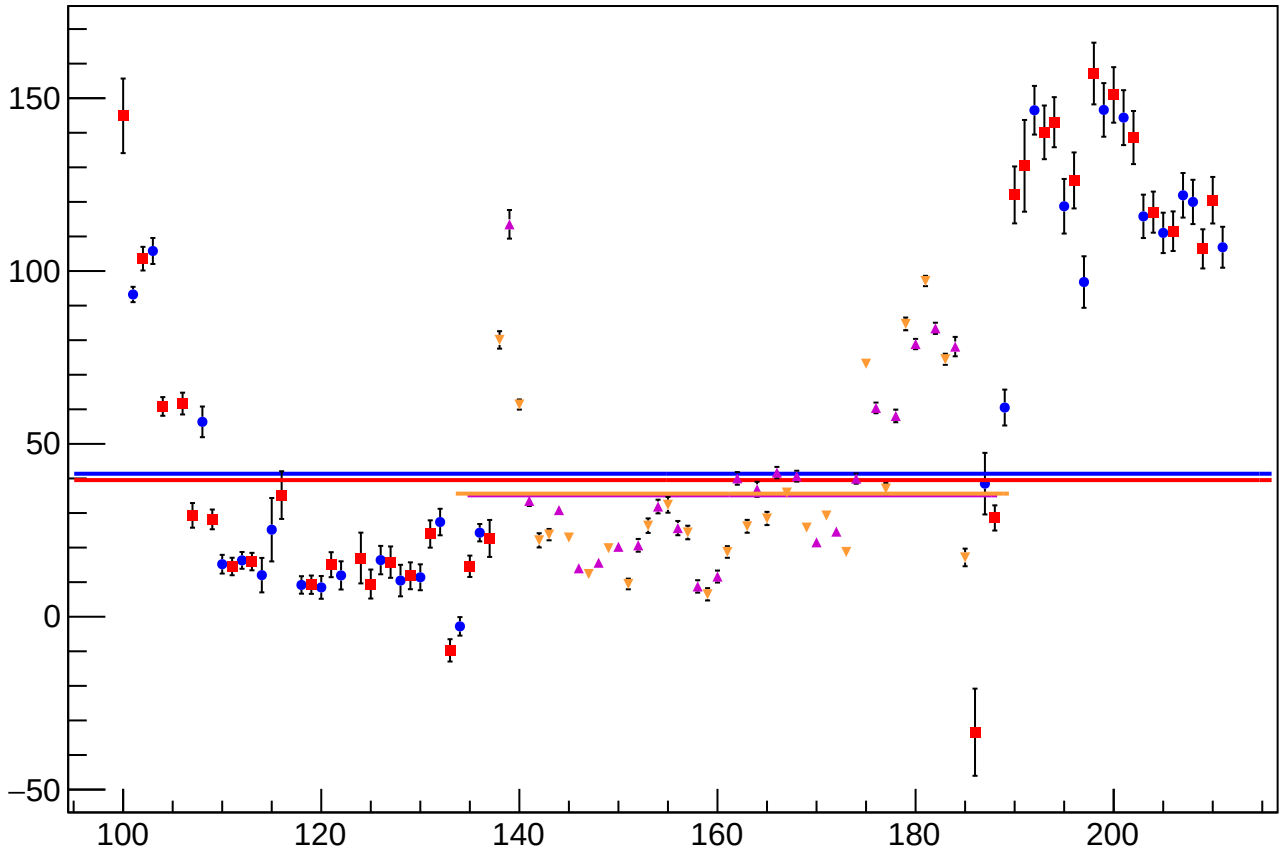
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -29.844+/-0.434 χ^2/NDF: 4107.9/60

In: -71.015+/-0.360 χ^2/NDF:18848.8/50

Out: -69.356+/-0.343 χ^2/NDF:25255.5/57

All: -70.146+/-0.248 χ^2/NDF: 44115.4/108



Right In: 41.366+/-0.745 χ^2/NDF: 3330.6/27

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 39.522+/-0.729 χ^2/NDF: 3224.9/32

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

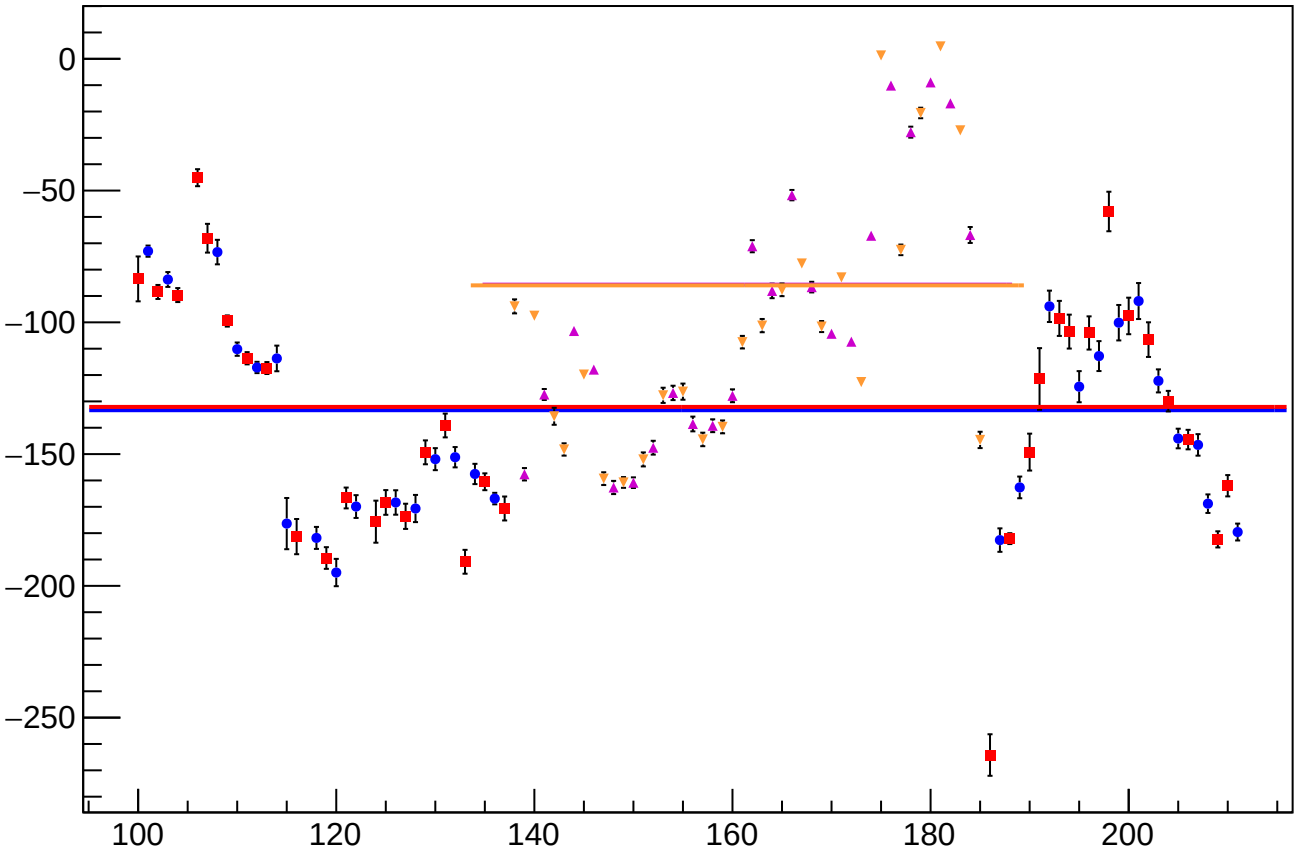
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 40.424+/-0.521 χ^2/NDF: 6558.7/60

In: 36.171+/-0.307 χ^2/NDF:7533.6/50

Out: 36.263+/-0.297 χ^2/NDF:9222.0/57

All: 36.219+/-0.213 χ^2/NDF: 16755.6/108



Right In: -133.344+/-0.697 χ^2/NDF: 2862.0/27

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -132.096+/-0.661 χ^2/NDF: 4000.3/32

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

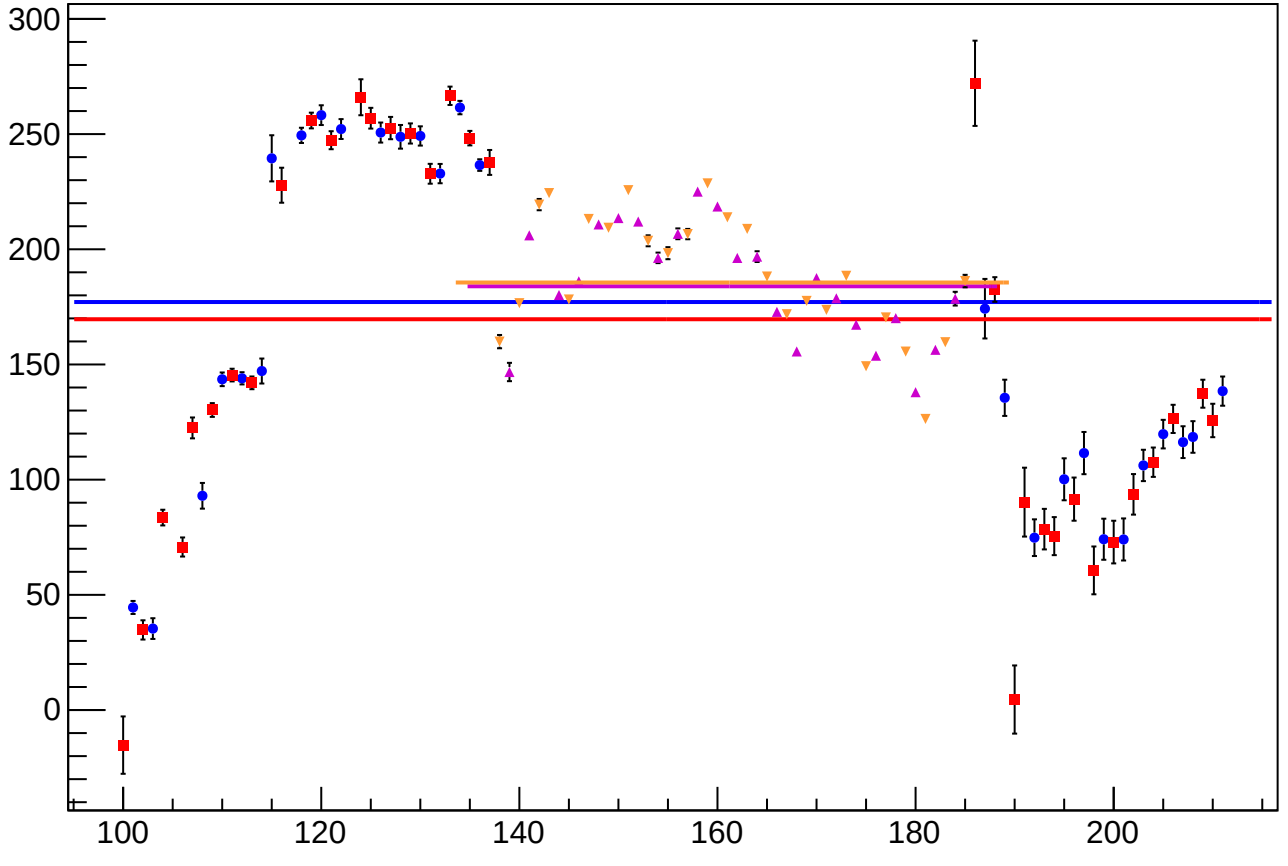
Right: -132.687+/-0.480 χ^2/NDF: 6864.0/60

In: -98.943+/-0.368 χ^2/NDF:19992.5/50

Out: -99.279+/-0.355 χ^2/NDF:23699.8/57

All: -99.117+/-0.255 χ^2/NDF: 43692.7/108

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 177.106+/-0.849 χ^2/NDF: 8220.6/27

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 169.632+/-0.836 χ^2/NDF: 7774.3/32

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

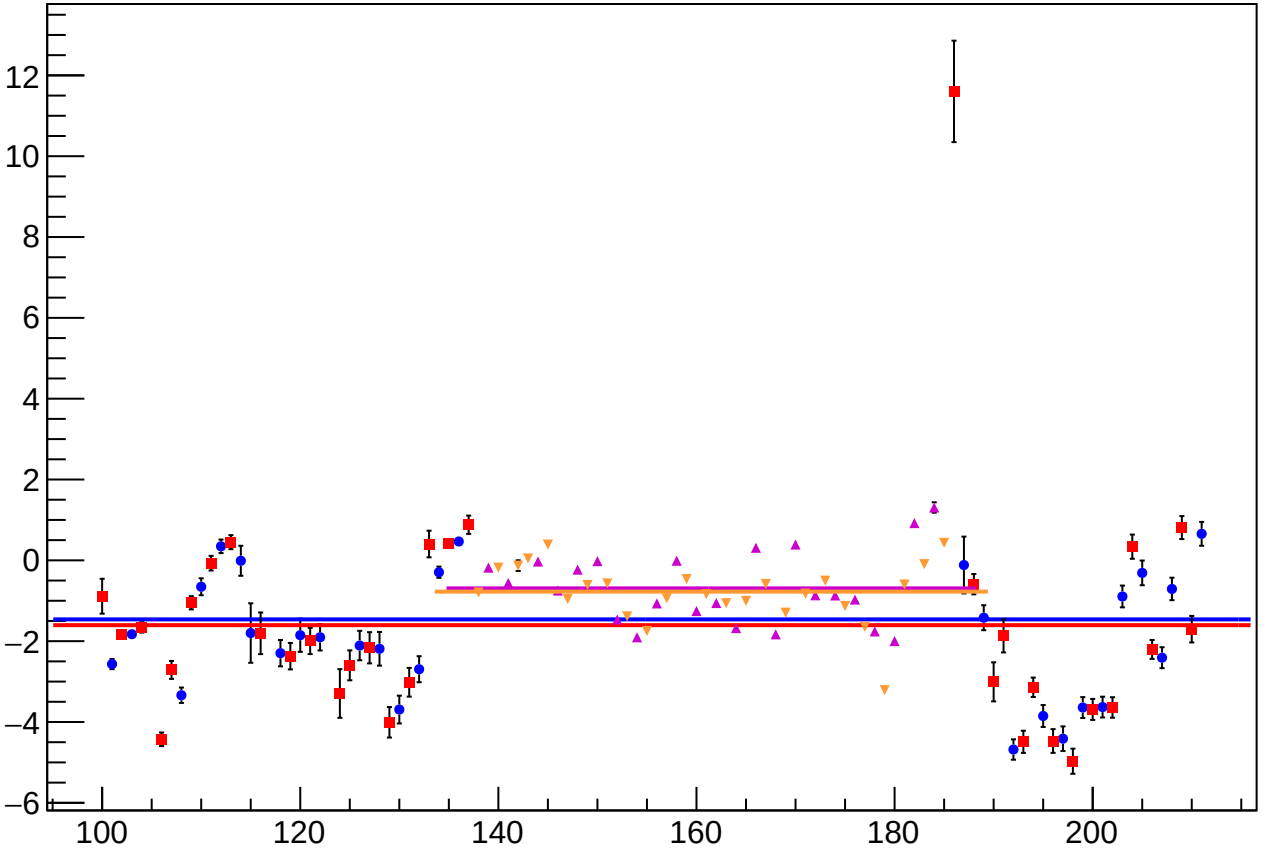
Right: 173.313+/-0.596 χ^2/NDF: 16034.2/60

In: 182.811+/-0.345 χ^2/NDF:12148.2/50

Out: 183.010+/-0.336 χ^2/NDF:13434.1/57

All: 182.913+/-0.241 χ^2/NDF: 25582.4/108

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.461+/-0.042 χ^2/NDF: 1402.8/27

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.604+/-0.041 χ^2/NDF: 1792.8/32

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

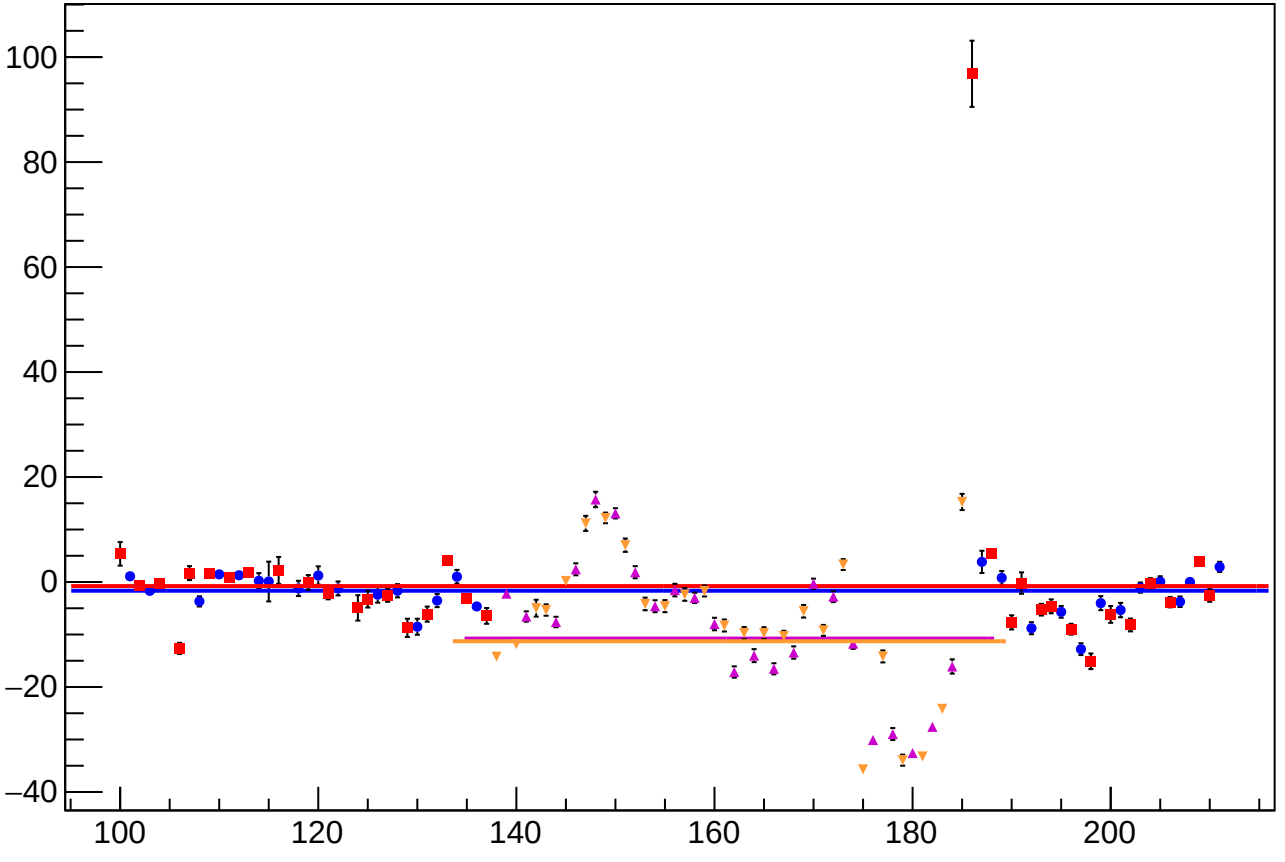
Right: -1.534+/-0.029 χ^2/NDF: 3201.7/60

In: -0.801+/-0.016 χ^2/NDF:4261.5/50

Out: -0.891+/-0.015 χ^2/NDF:3974.2/57

All: -0.847+/-0.011 χ^2/NDF: 8252.5/108

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.659+/-0.199 χ^2/NDF: 314.1/27

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.773+/-0.178 χ^2/NDF: 928.9/32

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

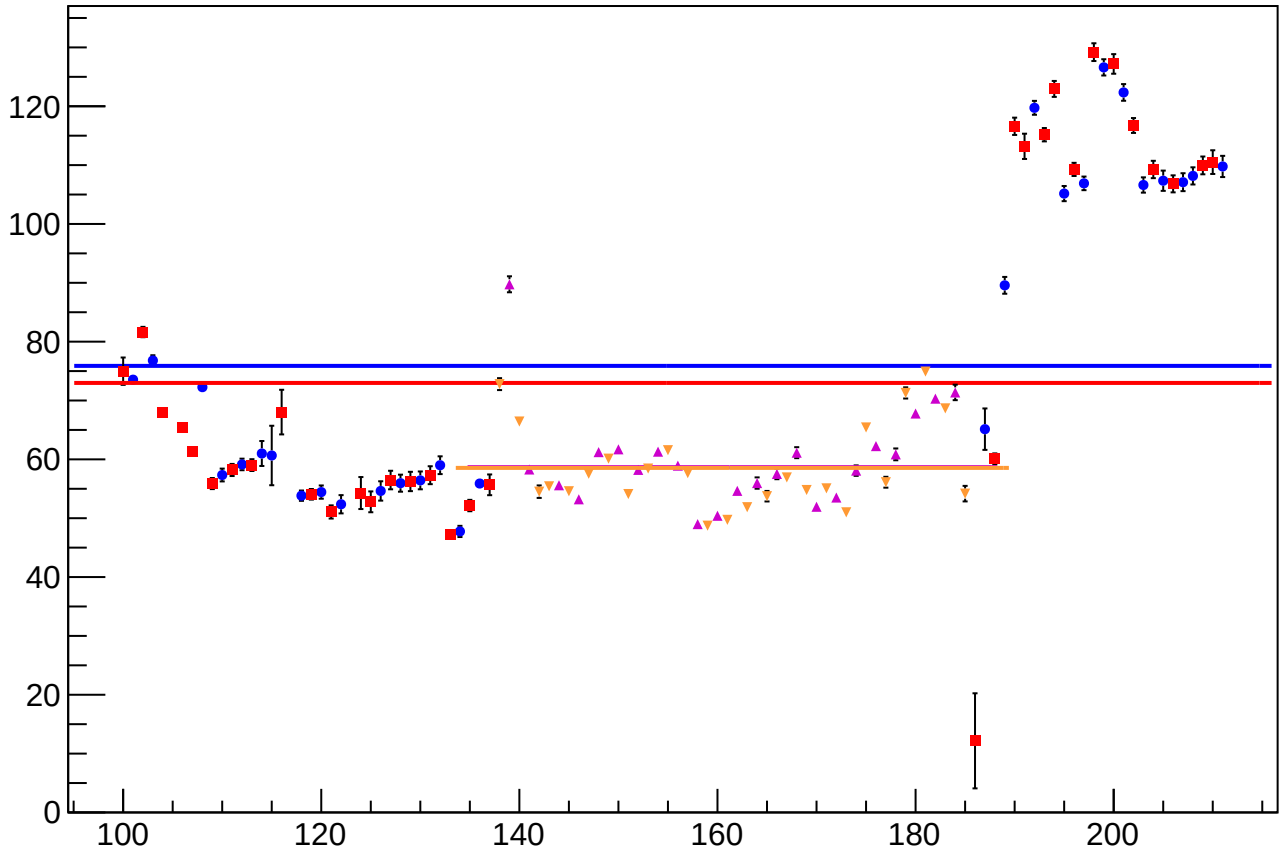
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.167+/-0.133 χ^2/NDF: 1254.0/60

In: -5.904+/-0.146 χ^2/NDF:4989.0/50

Out: -5.219+/-0.135 χ^2/NDF:6902.8/57

All: -5.536+/-0.099 χ^2/NDF: 11903.7/108



Right In: 75.885+/-0.224 χ^2/NDF: 11302.0/27

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 72.986+/-0.205 χ^2/NDF: 15625.2/32

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

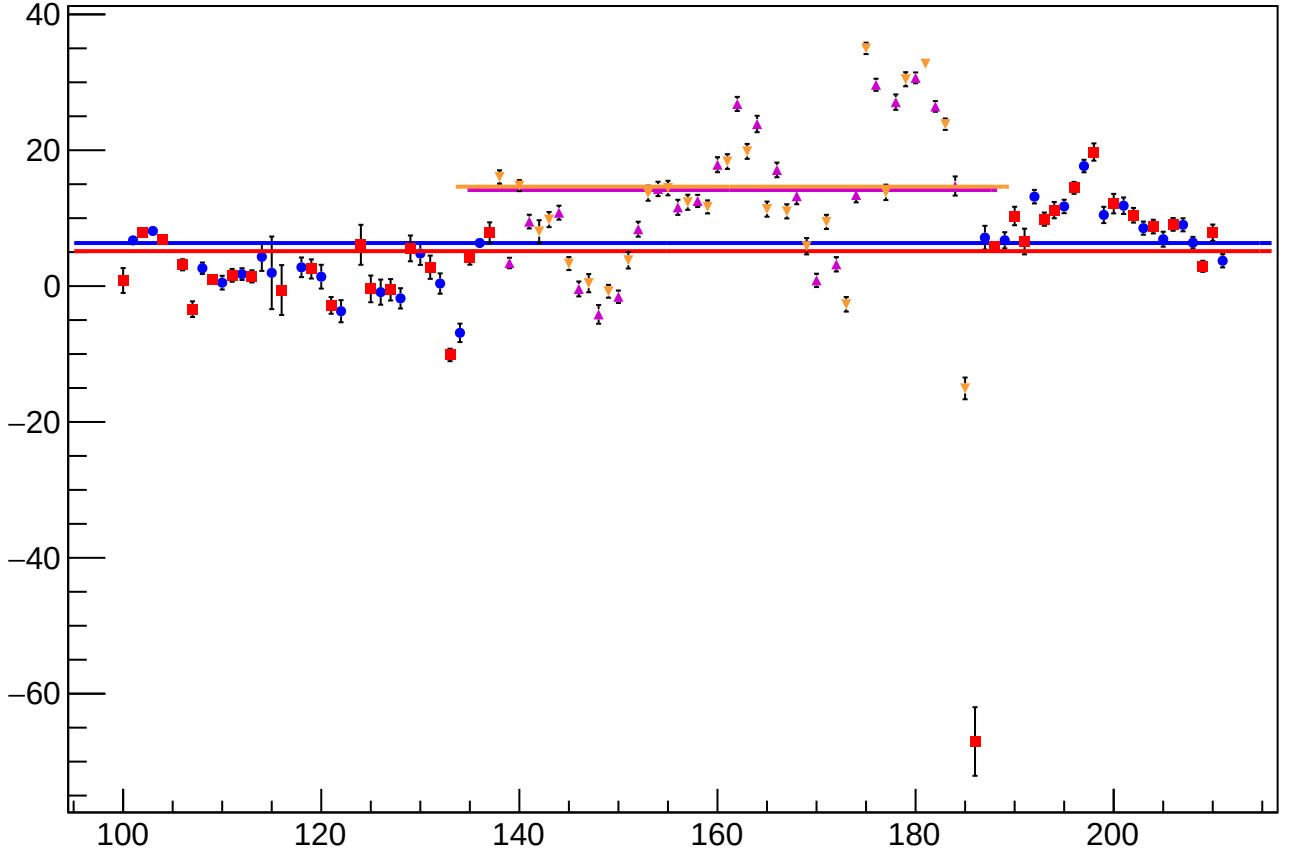
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 74.309+/-0.151 χ^2/NDF: 27018.6/60

In: 64.905+/-0.135 χ^2/NDF:16694.3/50

Out: 64.071+/-0.127 χ^2/NDF:20596.1/57

All: 64.463+/-0.092 χ^2/NDF: 37310.7/108



Right In: 6.339+/-0.199 χ^2/NDF: 576.9/27

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.145+/-0.181 χ^2/NDF: 1112.8/32

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

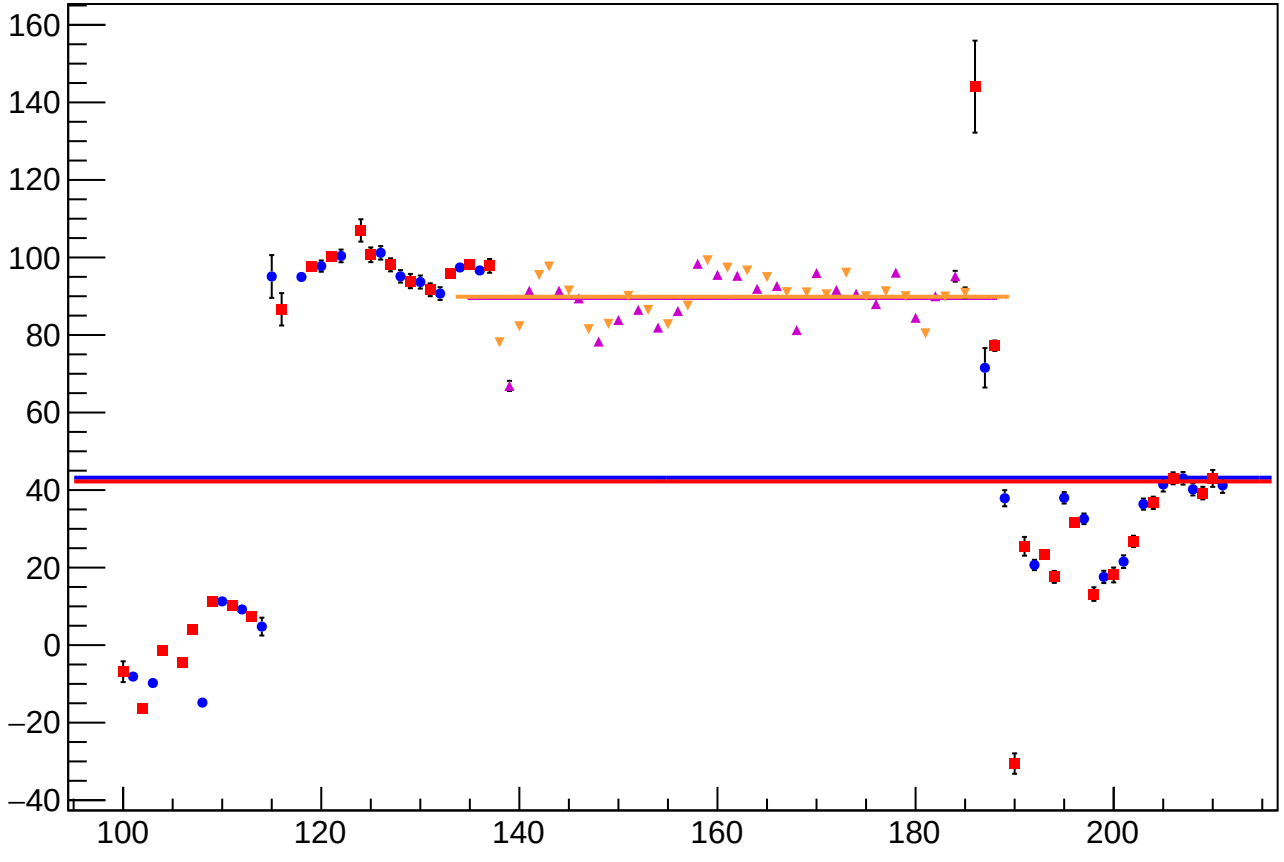
Right: 5.684+/-0.134 χ^2/NDF: 1709.4/60

In: 10.012+/-0.145 χ^2/NDF:3841.2/50

Out: 9.258+/-0.136 χ^2/NDF:5268.9/57

All: 9.611+/-0.099 χ^2/NDF: 9124.5/108

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.191+/-0.258 χ^2/NDF: 27937.0/27

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.227+/-0.240 χ^2/NDF: 31740.9/32

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

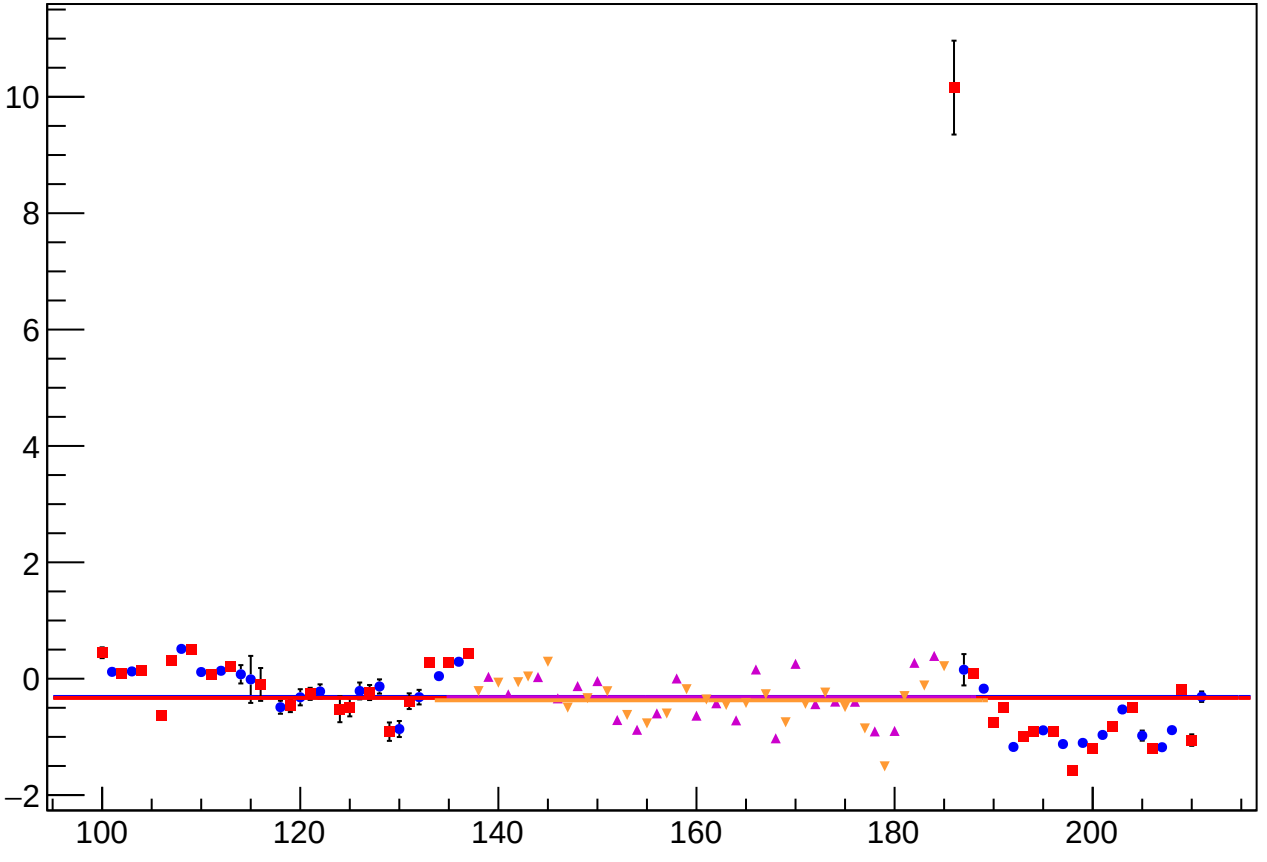
Right: 42.674+/-0.176 χ^2/NDF: 59685.4/60

In: 73.549+/-0.152 χ^2/NDF:50109.0/50

Out: 72.608+/-0.145 χ^2/NDF:57913.2/57

All: 73.056+/-0.105 χ^2/NDF: 108042.3/108

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.314+/-0.011 χ^2/NDF: 3255.2/27

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.331+/-0.010 χ^2/NDF: 3742.7/32

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

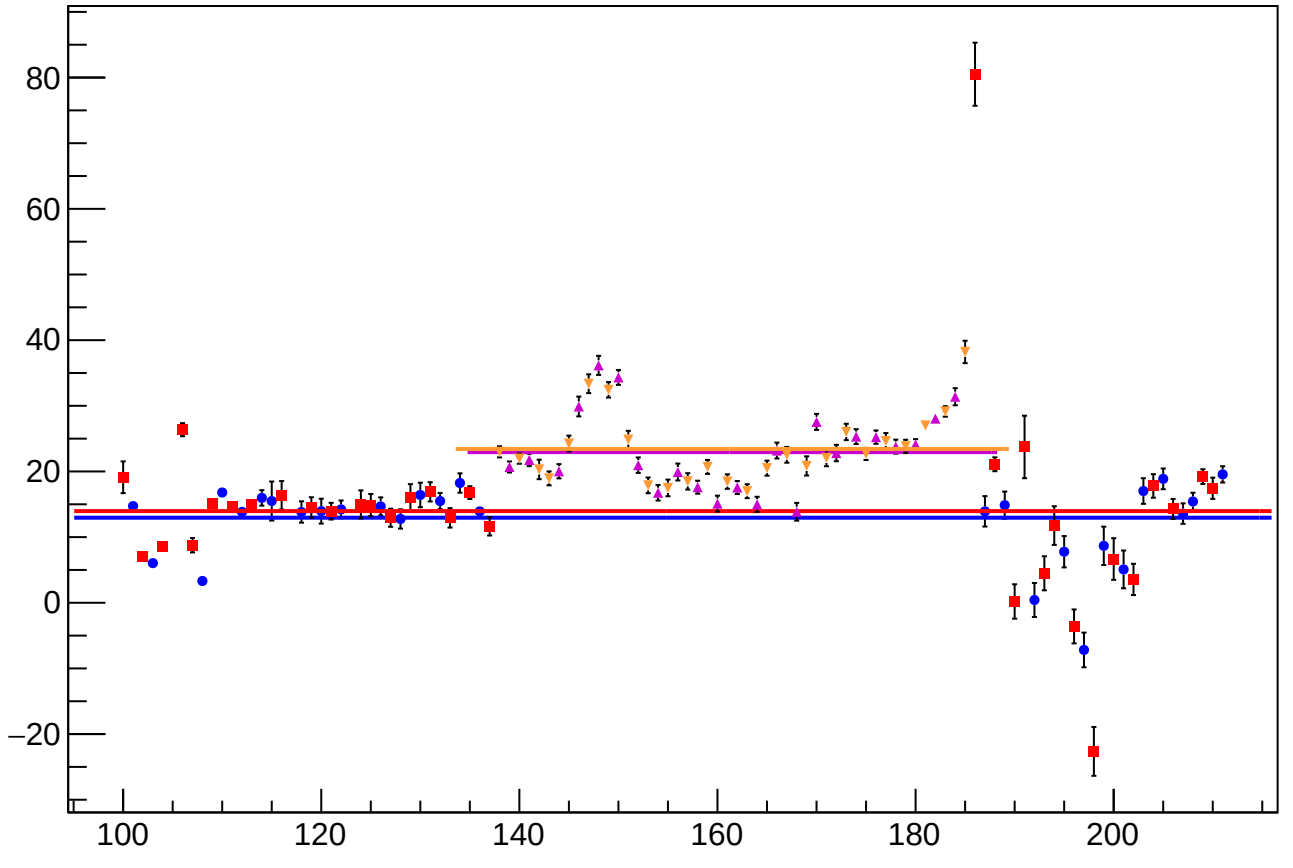
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.323+/-0.007 χ^2/NDF: 6999.2/60

In: -0.317+/-0.006 χ^2/NDF:5696.5/50

Out: -0.355+/-0.006 χ^2/NDF:5521.9/57

All: -0.337+/-0.004 χ^2/NDF: 11236.0/108



Right In: 12.959+/-0.199 χ^2/NDF: 535.6/27

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.960+/-0.190 χ^2/NDF: 886.6/32

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

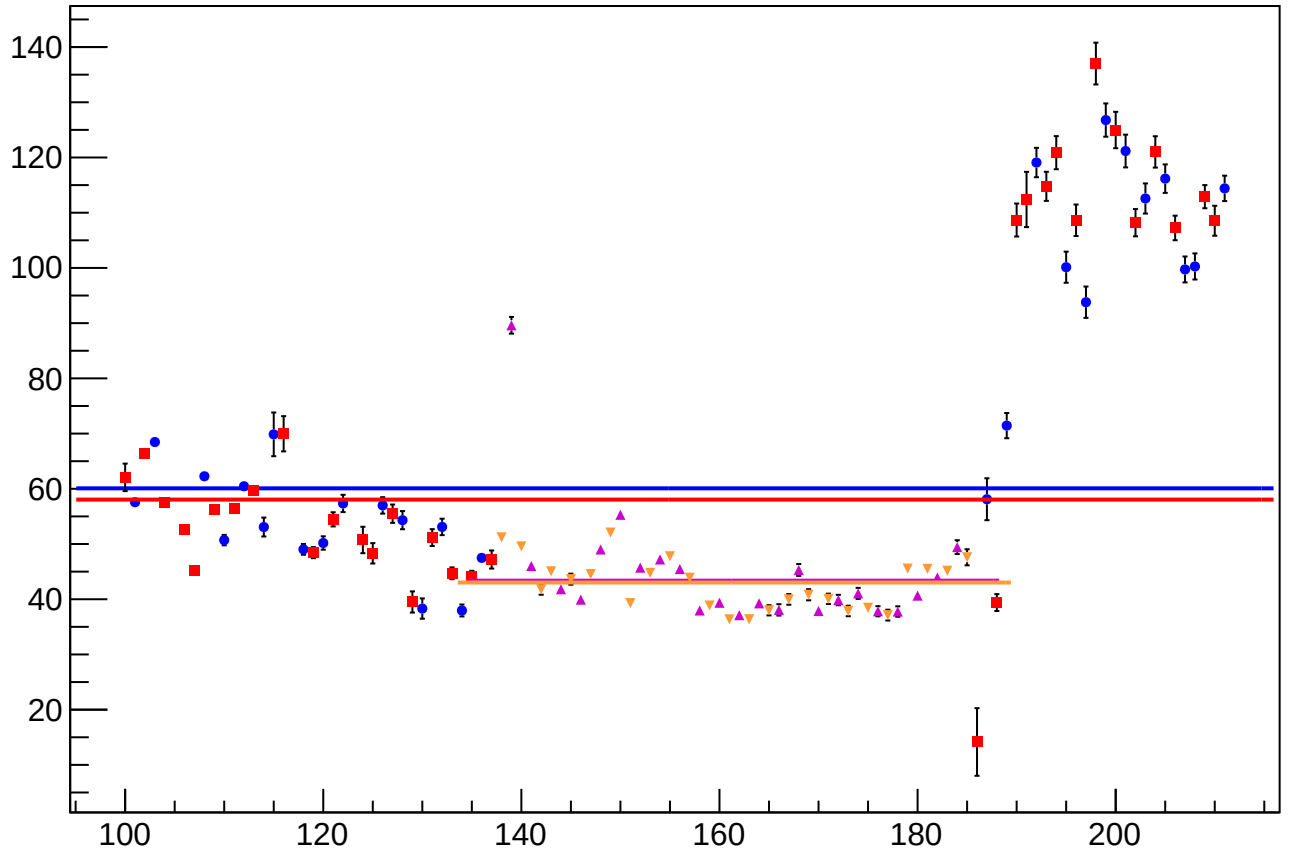
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.484+/-0.137 χ^2/NDF: 1435.4/60

In: 17.337+/-0.149 χ^2/NDF:2204.7/50

Out: 18.085+/-0.142 χ^2/NDF:2401.0/57

All: 17.728+/-0.103 χ^2/NDF: 4618.9/108



Right In: 60.083+/-0.213 χ^2/NDF: 5108.8/27

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.046+/-0.214 χ^2/NDF: 6404.2/32

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

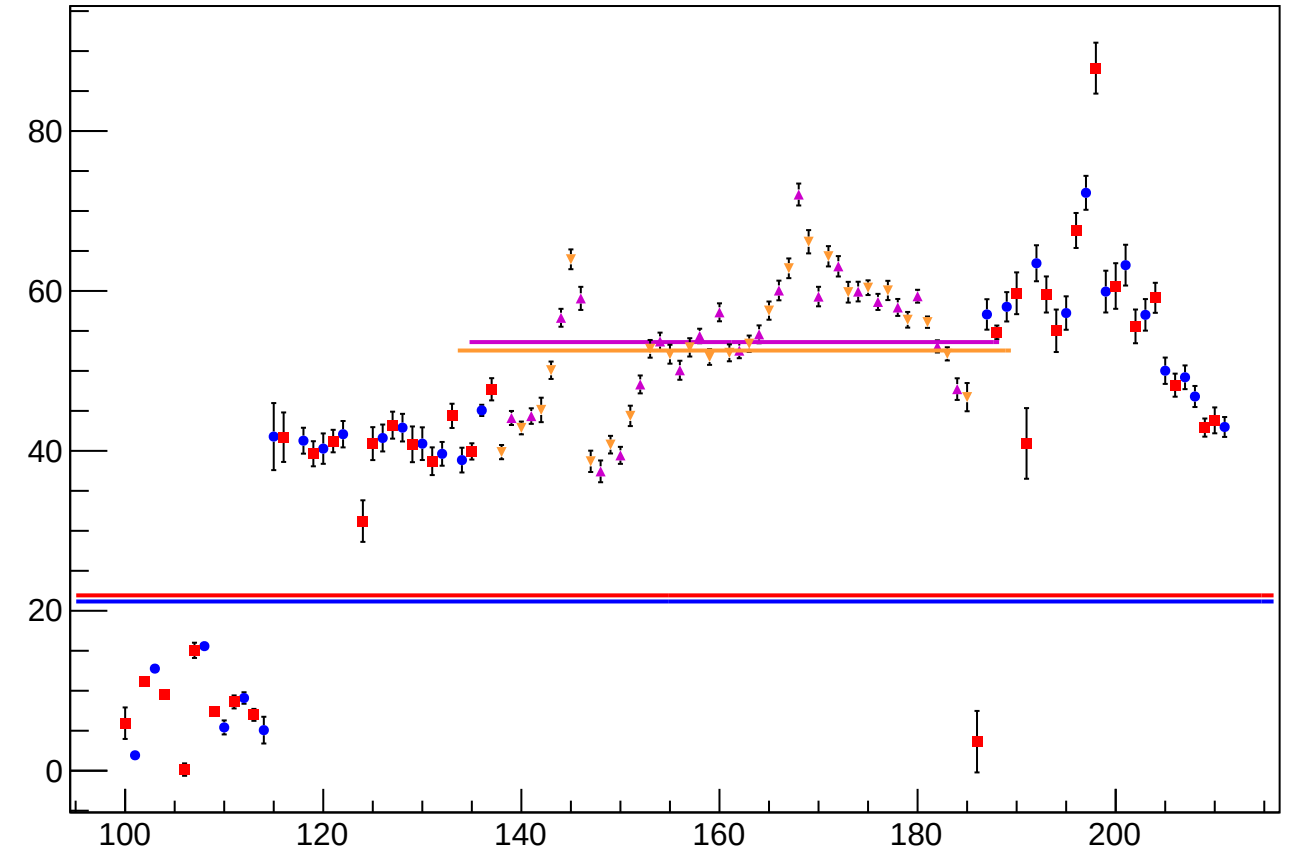
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.069+/-0.151 χ^2/NDF: 11558.5/60

In: 50.193+/-0.136 χ^2/NDF:10436.0/50

Out: 48.725+/-0.132 χ^2/NDF:10241.2/57

All: 49.435+/-0.095 χ^2/NDF: 20737.2/108



Right In: 21.164+/-0.197 χ^2/NDF: 10022.8/27

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 21.928+/-0.199 χ^2/NDF: 9512.7/32

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

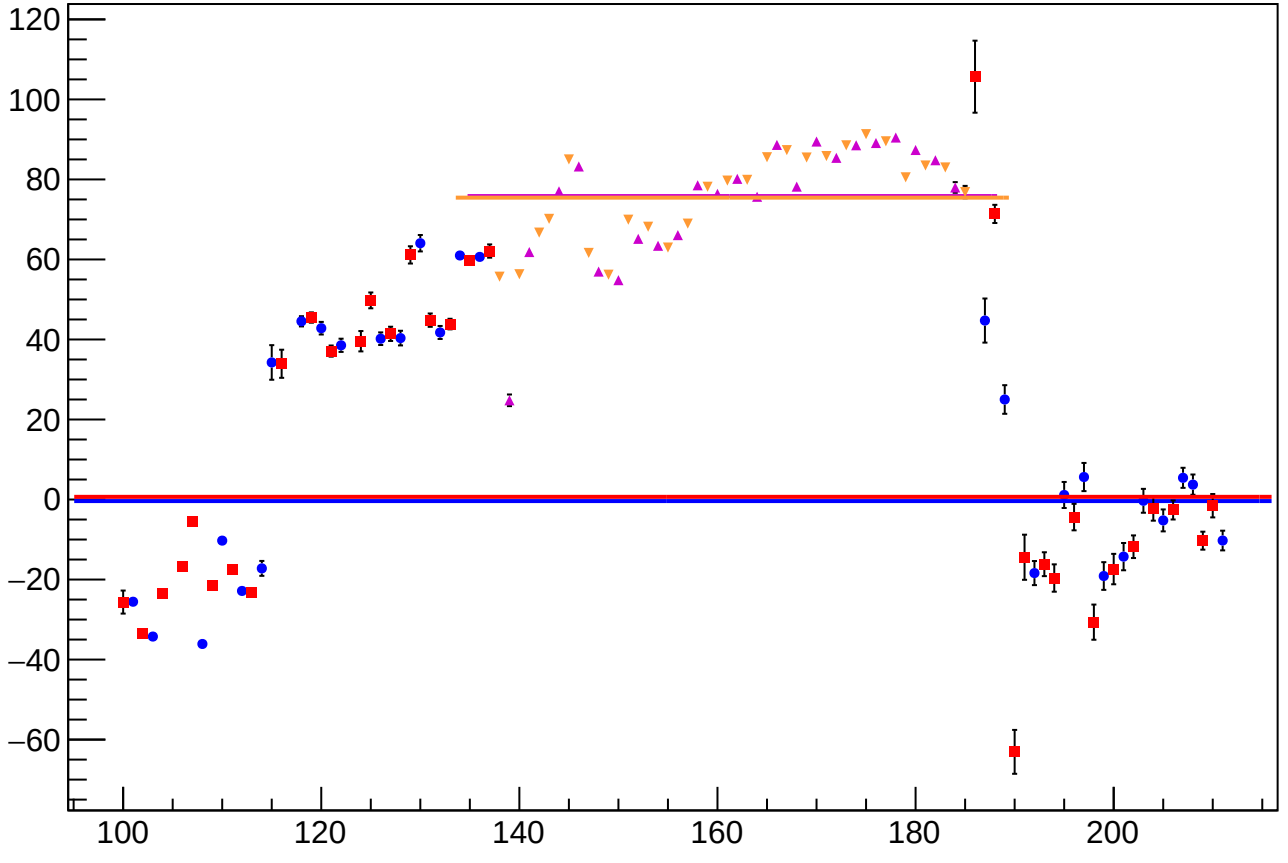
Right: 21.544+/-0.140 χ^2/NDF: 19542.9/60

In: 35.425+/-0.148 χ^2/NDF:22909.4/50

Out: 36.049+/-0.146 χ^2/NDF:21672.7/57

All: 35.741+/-0.104 χ^2/NDF: 44591.2/108

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.388+/-0.251 χ^2/NDF: 21260.3/27

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.672+/-0.252 χ^2/NDF: 17465.3/32

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

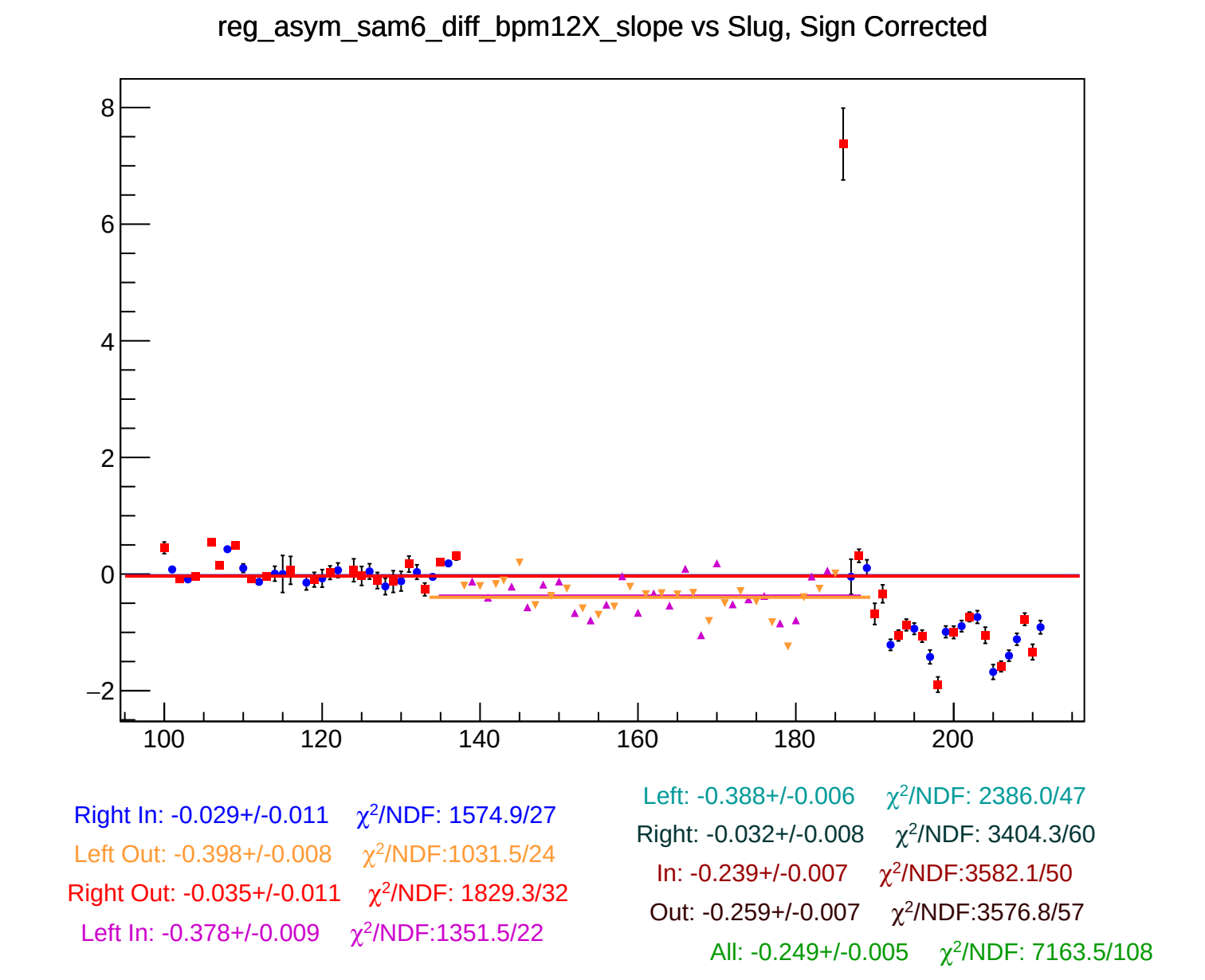
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

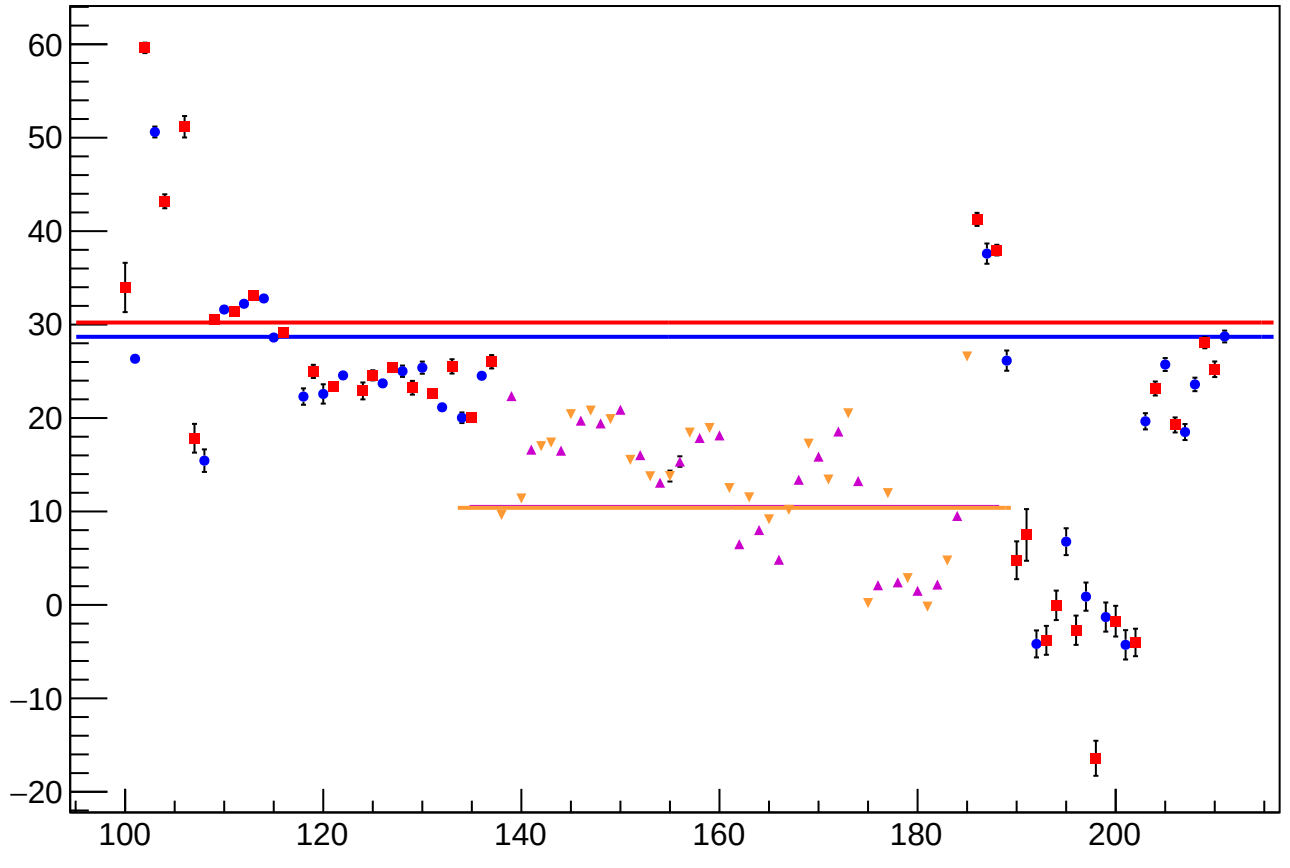
Right: 0.140+/-0.178 χ^2/NDF: 38734.5/60

In: 46.678+/-0.155 χ^2/NDF:82667.3/50

Out: 48.594+/-0.151 χ^2/NDF:77543.1/57

All: 47.662+/-0.108 χ^2/NDF: 160289.0/108


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.029+/-0.011 χ²/NDF: 1574.9/27
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.035+/-0.011 χ²/NDF: 1829.3/32
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.032+/-0.008 χ²/NDF: 3404.3/60
In: -0.239+/-0.007 χ²/NDF:3582.1/50
Out: -0.259+/-0.007 χ²/NDF:3576.8/57
All: -0.249+/-0.005 χ²/NDF: 7163.5/108



Right In: 28.691+/-0.087 χ^2/NDF: 5748.6/27

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.221+/-0.076 χ^2/NDF: 8940.2/32

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

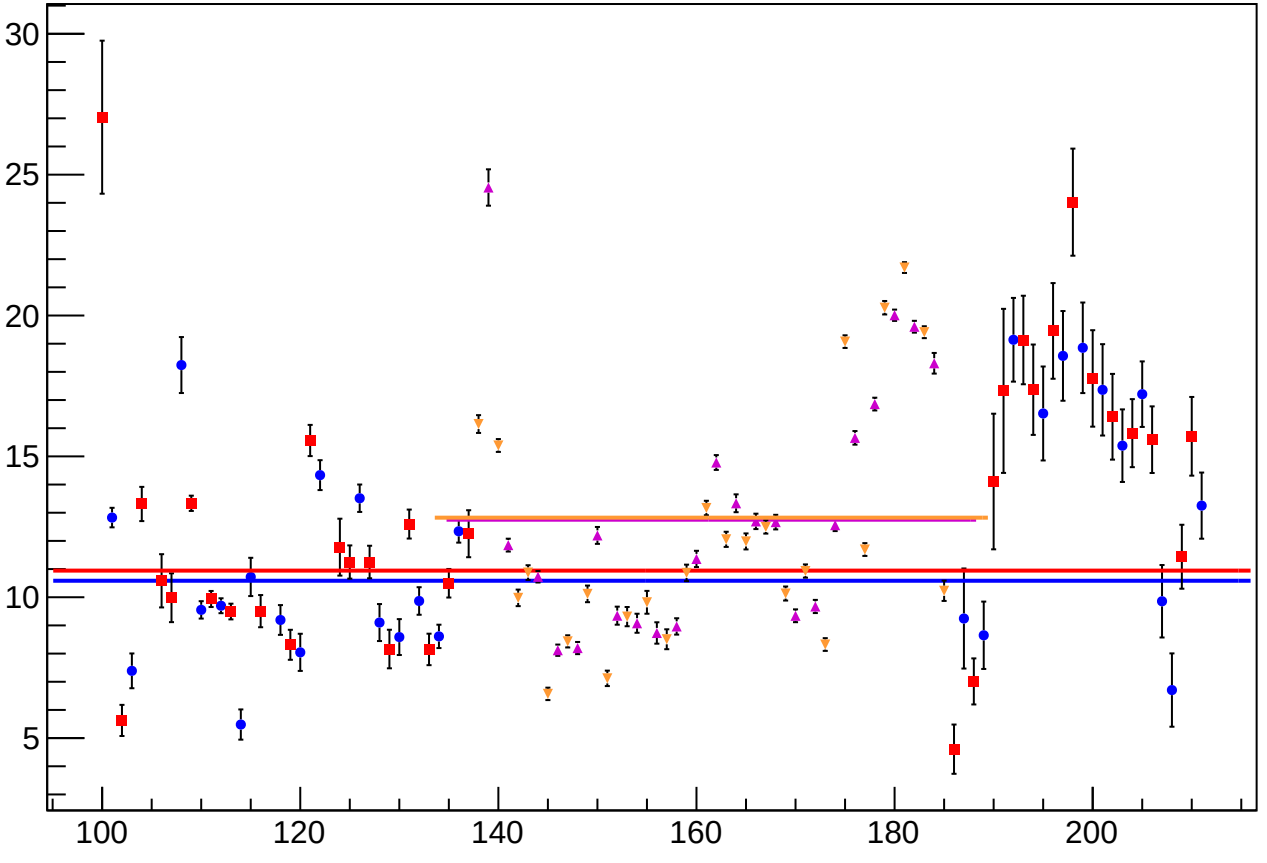
Right: 29.556+/-0.058 χ^2/NDF: 14862.6/60

In: 17.213+/-0.053 χ^2/NDF:44694.0/50

Out: 18.576+/-0.049 χ^2/NDF:62212.1/57

All: 17.947+/-0.036 χ^2/NDF: 107261.5/108

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.585+/-0.110 χ^2/NDF: 586.6/27

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.945+/-0.108 χ^2/NDF: 688.4/32

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

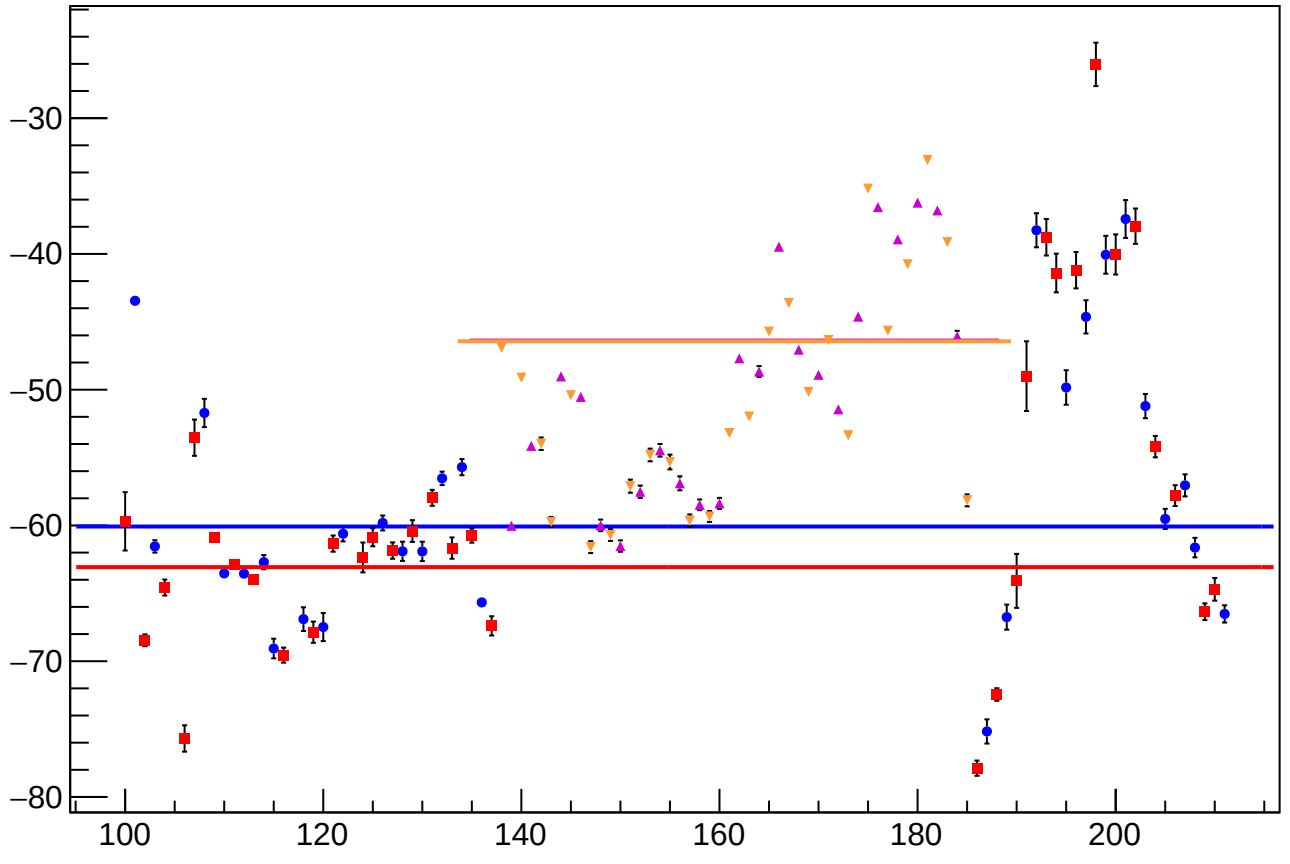
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.769+/-0.077 χ^2/NDF: 1280.5/60

In: 12.343+/-0.048 χ^2/NDF:6406.1/50

Out: 12.479+/-0.046 χ^2/NDF:8954.1/57

All: 12.413+/-0.033 χ^2/NDF: 15364.4/108



Right In: -60.079+/-0.104 χ^2/NDF: 5160.0/27

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.068+/-0.097 χ^2/NDF: 4164.7/32

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

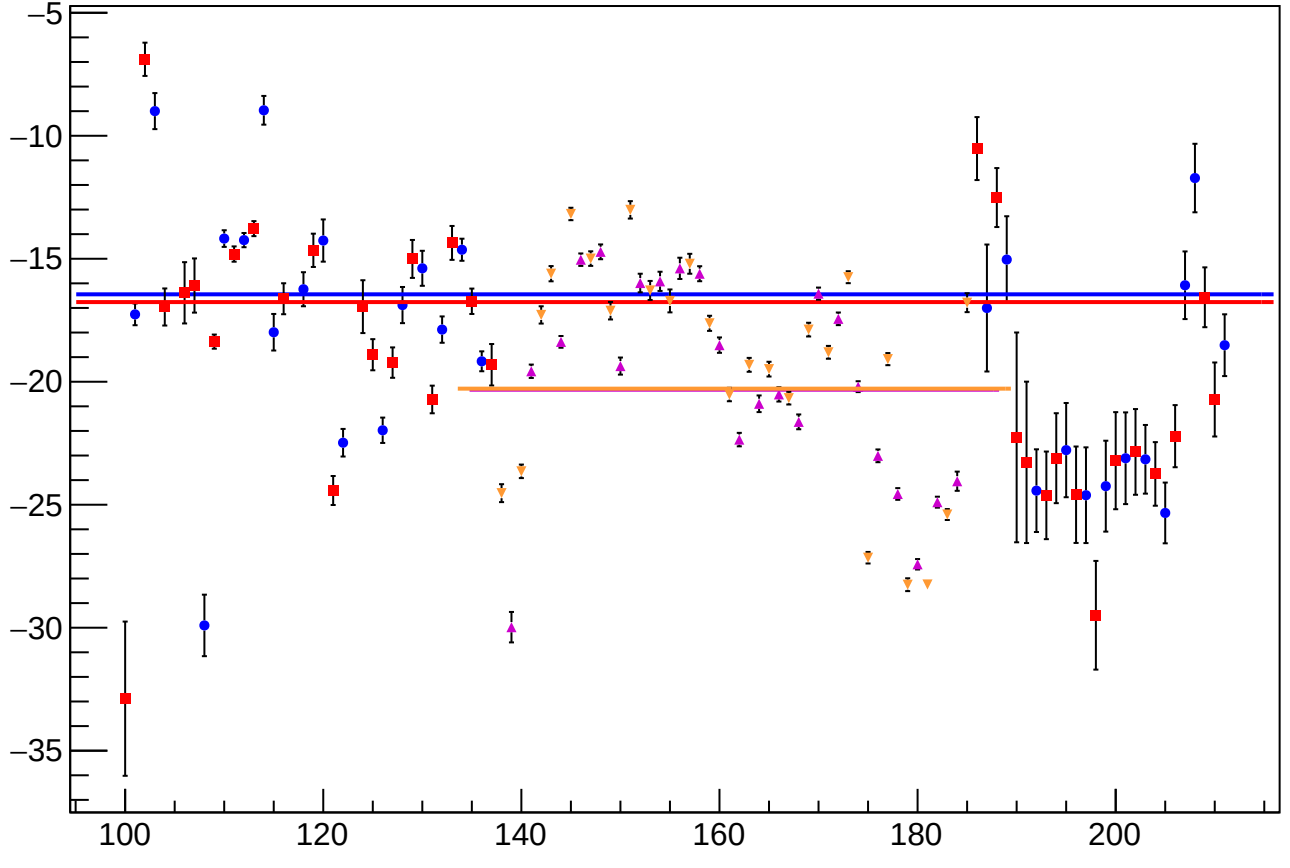
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.671+/-0.071 χ^2/NDF: 9765.8/60

In: -50.390+/-0.056 χ^2/NDF:32540.4/50

Out: -51.505+/-0.054 χ^2/NDF:42651.5/57

All: -50.972+/-0.039 χ^2/NDF: 75397.5/108



Right In: -16.446+/-0.123 χ^2/NDF: 974.2/27

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.761+/-0.120 χ^2/NDF: 889.0/32

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

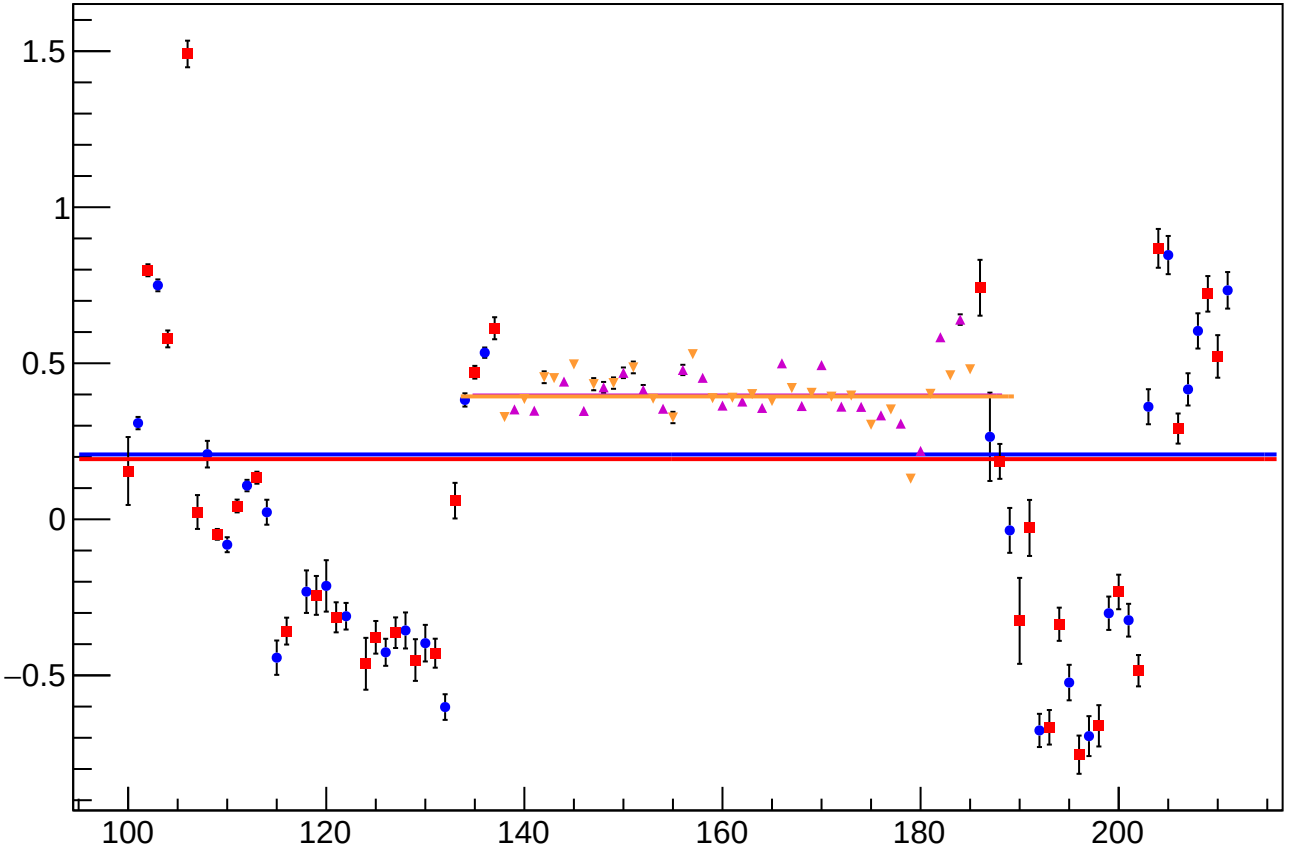
Right: -16.607+/-0.086 χ^2/NDF: 1866.6/60

In: -19.593+/-0.053 χ^2/NDF:6059.9/50

Out: -19.629+/-0.052 χ^2/NDF:8613.4/57

All: -19.611+/-0.037 χ^2/NDF: 14673.6/108

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208+/-0.007 χ^2/NDF: 3758.1/27

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.193+/-0.007 χ^2/NDF: 4909.3/32

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

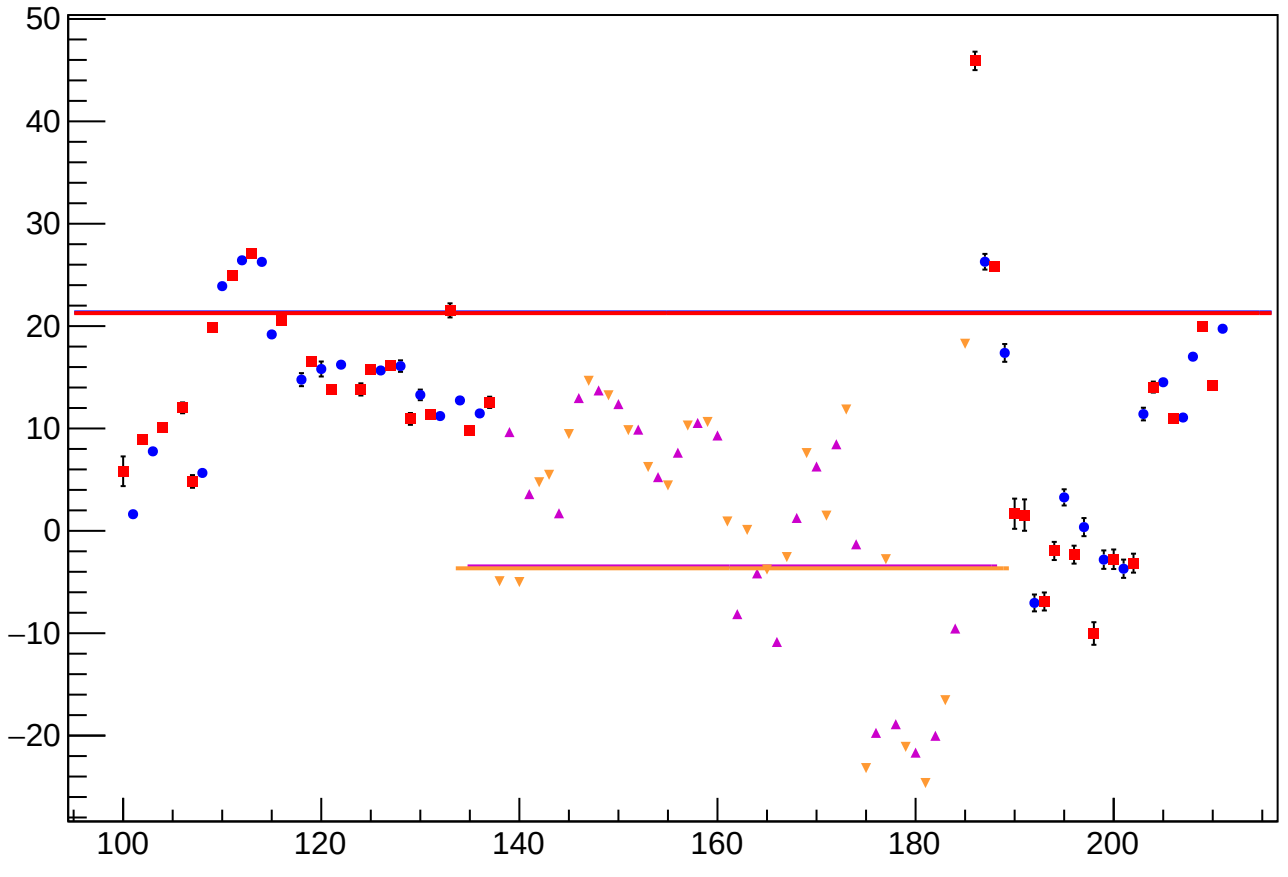
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.200+/-0.005 χ^2/NDF: 8670.0/60

In: 0.370+/-0.002 χ^2/NDF:5773.8/50

Out: 0.367+/-0.002 χ^2/NDF:6681.5/57

All: 0.369+/-0.002 χ^2/NDF: 12456.3/108



Right In: 21.336+/-0.053 χ^2/NDF: 17714.9/27

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.268+/-0.044 χ^2/NDF: 17747.9/32

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

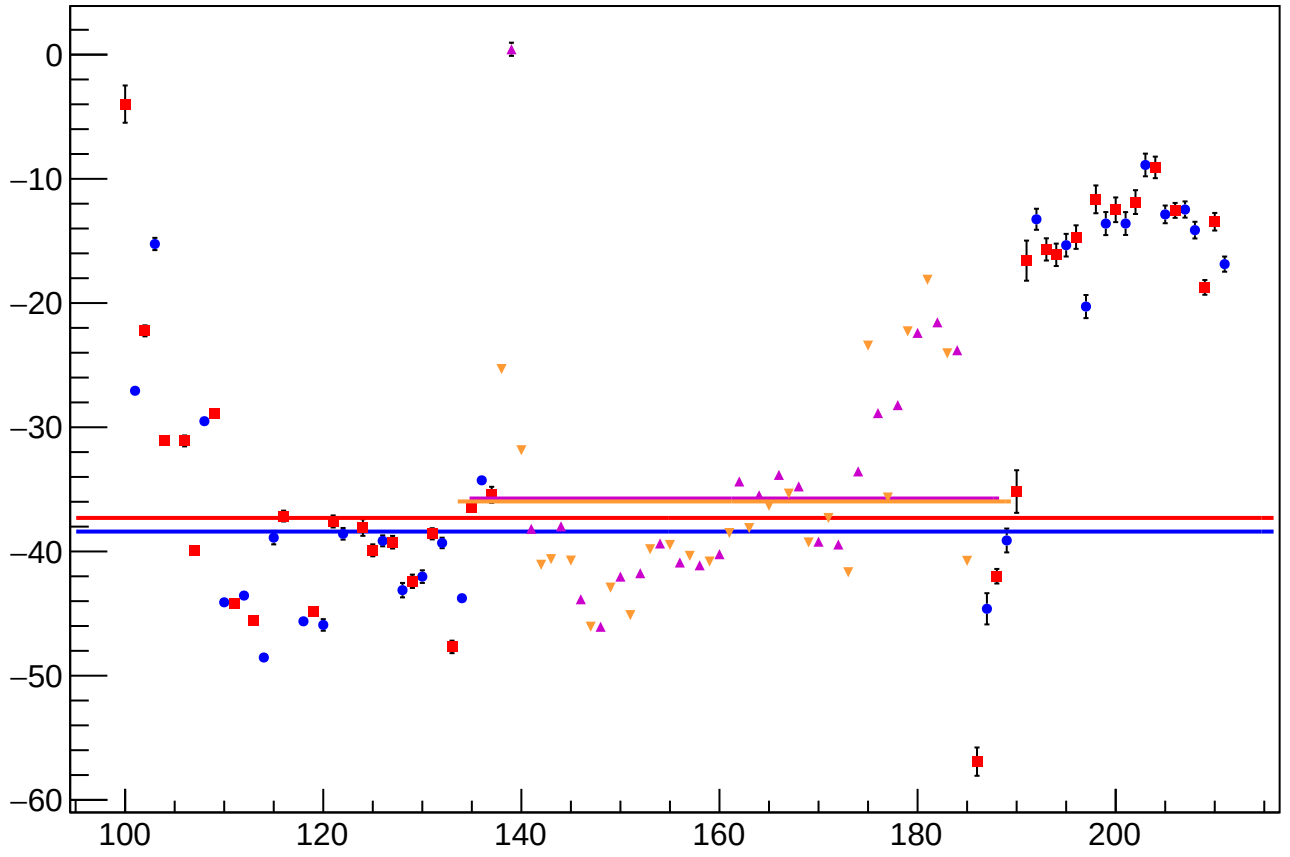
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.296+/-0.034 χ^2/NDF: 35463.8/60

In: 9.851+/-0.039 χ^2/NDF:163122.4/50

Out: 11.325+/-0.034 χ^2/NDF:200080.0/57

All: 10.680+/-0.026 χ^2/NDF: 364003.4/108



Right In: -38.397+/-0.073 χ^2/NDF: 18512.0/27

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.299+/-0.068 χ^2/NDF: 19633.2/32

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

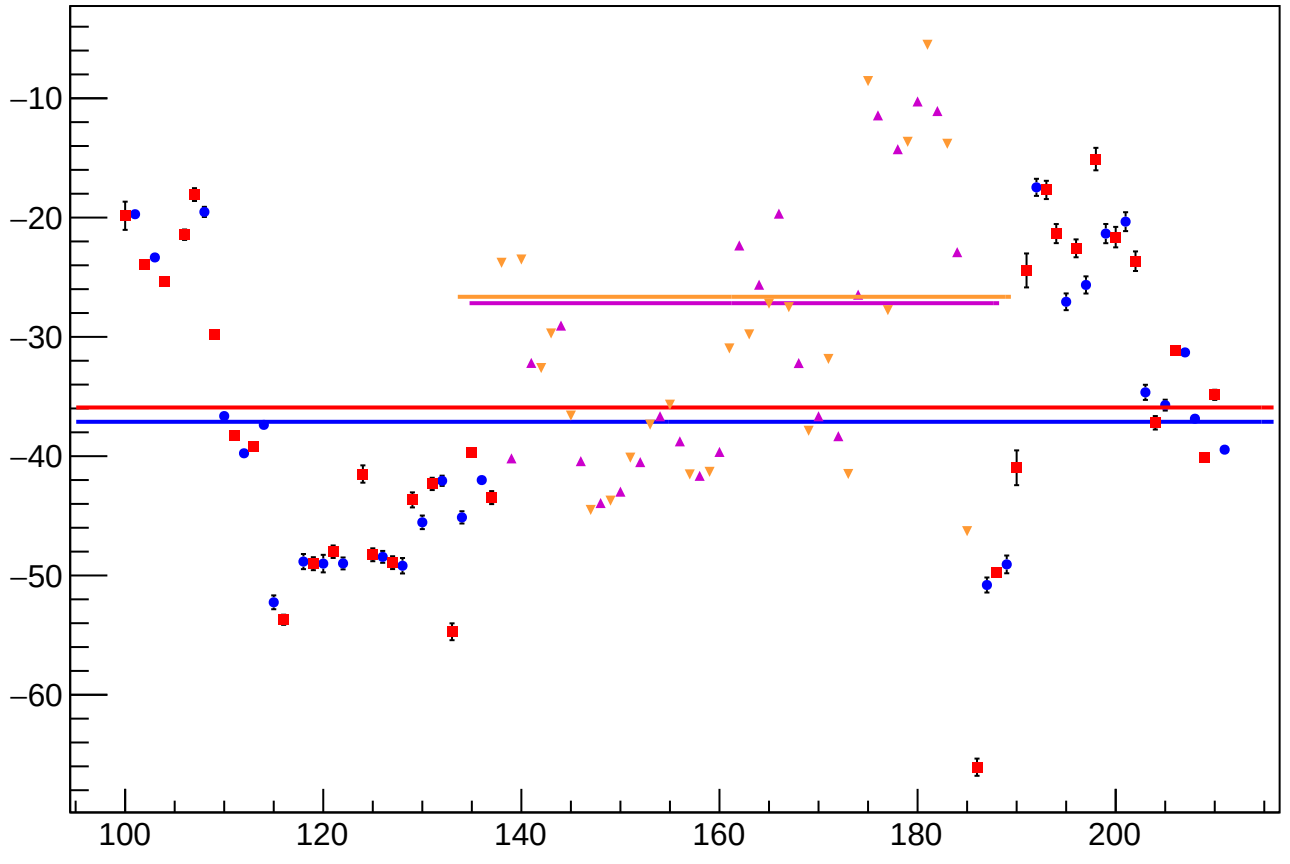
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -37.809+/-0.050 χ^2/NDF: 38267.3/60

In: -36.472+/-0.038 χ^2/NDF:46635.4/50

Out: -36.347+/-0.036 χ^2/NDF:53518.0/57

All: -36.406+/-0.026 χ^2/NDF: 100159.1/108



Right In: -37.118+/-0.066 χ^2/NDF: 13961.1/27

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.918+/-0.059 χ^2/NDF: 19393.4/32

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

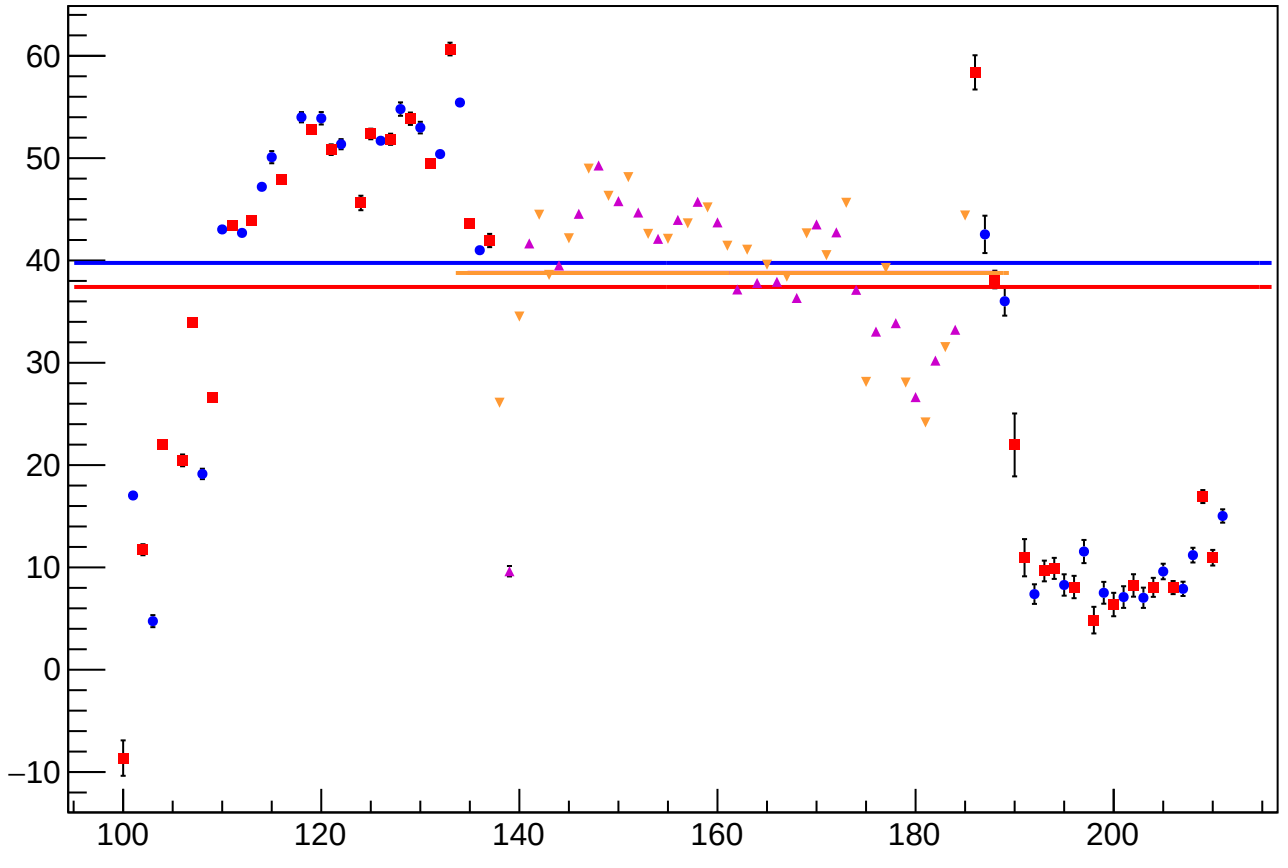
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.447+/-0.044 χ^2/NDF: 33537.2/60

In: -31.414+/-0.043 χ^2/NDF:67816.4/50

Out: -30.922+/-0.040 χ^2/NDF:82782.4/57

All: -31.148+/-0.029 χ^2/NDF: 150668.3/108



Right In: 39.760+/-0.081 χ^2/NDF: 28284.8/27

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.410+/-0.075 χ^2/NDF: 28703.2/32

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

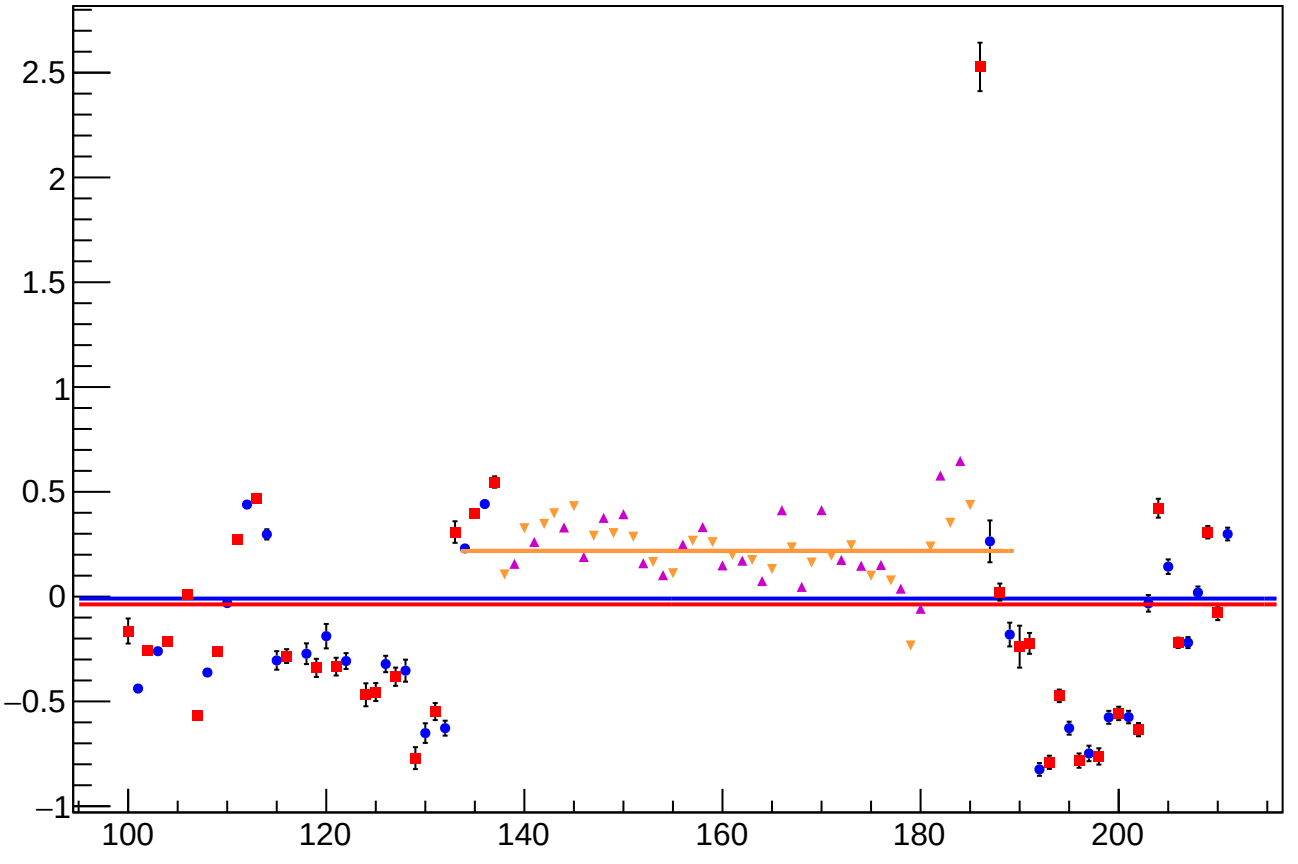
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 38.493+/-0.055 χ^2/NDF: 57442.4/60

In: 39.060+/-0.043 χ^2/NDF:44628.9/50

Out: 38.382+/-0.040 χ^2/NDF:50011.2/57

All: 38.702+/-0.029 χ^2/NDF: 94773.8/108



Right In: -0.009+/-0.004 χ^2/NDF: 8151.2/27

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.037+/-0.004 χ^2/NDF: 9625.1/32

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

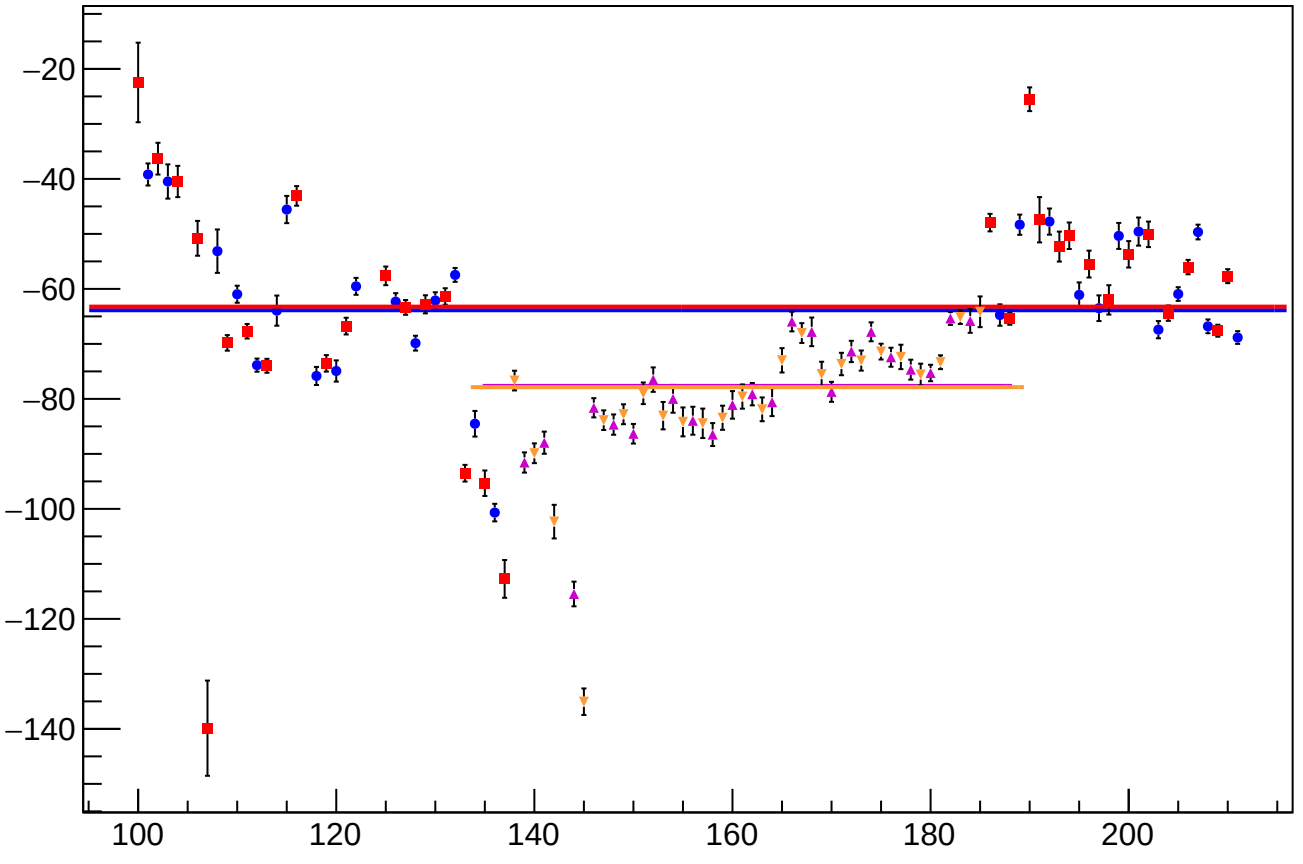
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.024+/-0.003 χ^2/NDF: 17798.6/60

In: 0.171+/-0.002 χ^2/NDF:15647.2/50

Out: 0.161+/-0.002 χ^2/NDF:16869.9/57

All: 0.165+/-0.001 χ^2/NDF: 32530.8/108



Right In: -63.880+/-0.317 χ^2/NDF: 1424.6/27

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.225+/-0.305 χ^2/NDF: 1956.8/31

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

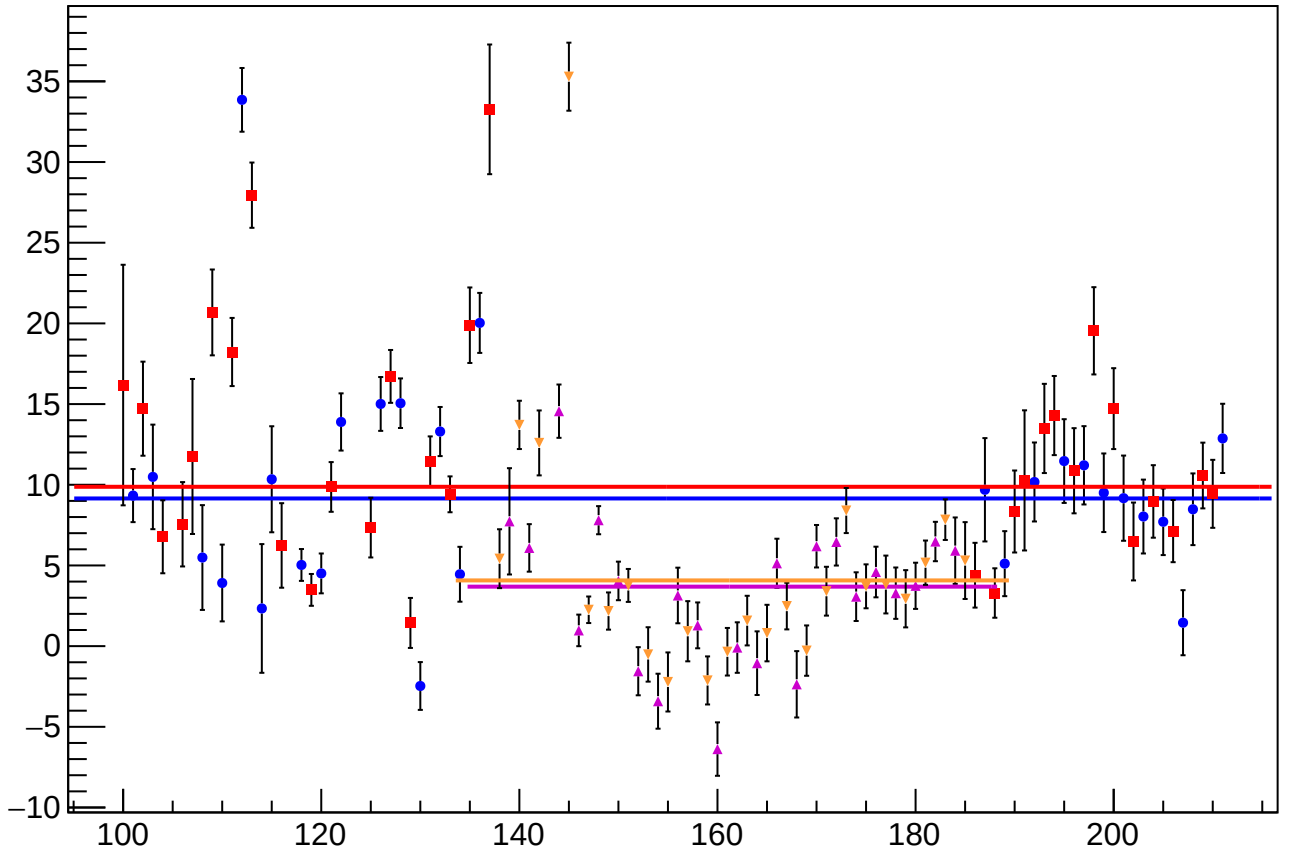
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.540+/-0.220 χ^2/NDF: 3383.7/59

In: -69.250+/-0.248 χ^2/NDF:2852.9/50

Out: -68.719+/-0.241 χ^2/NDF:3751.6/55

All: -68.978+/-0.173 χ^2/NDF: 6606.8/106



Right In: 9.151+/-0.361 χ^2/NDF: 366.7/27

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.875+/-0.354 χ^2/NDF: 316.7/31

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

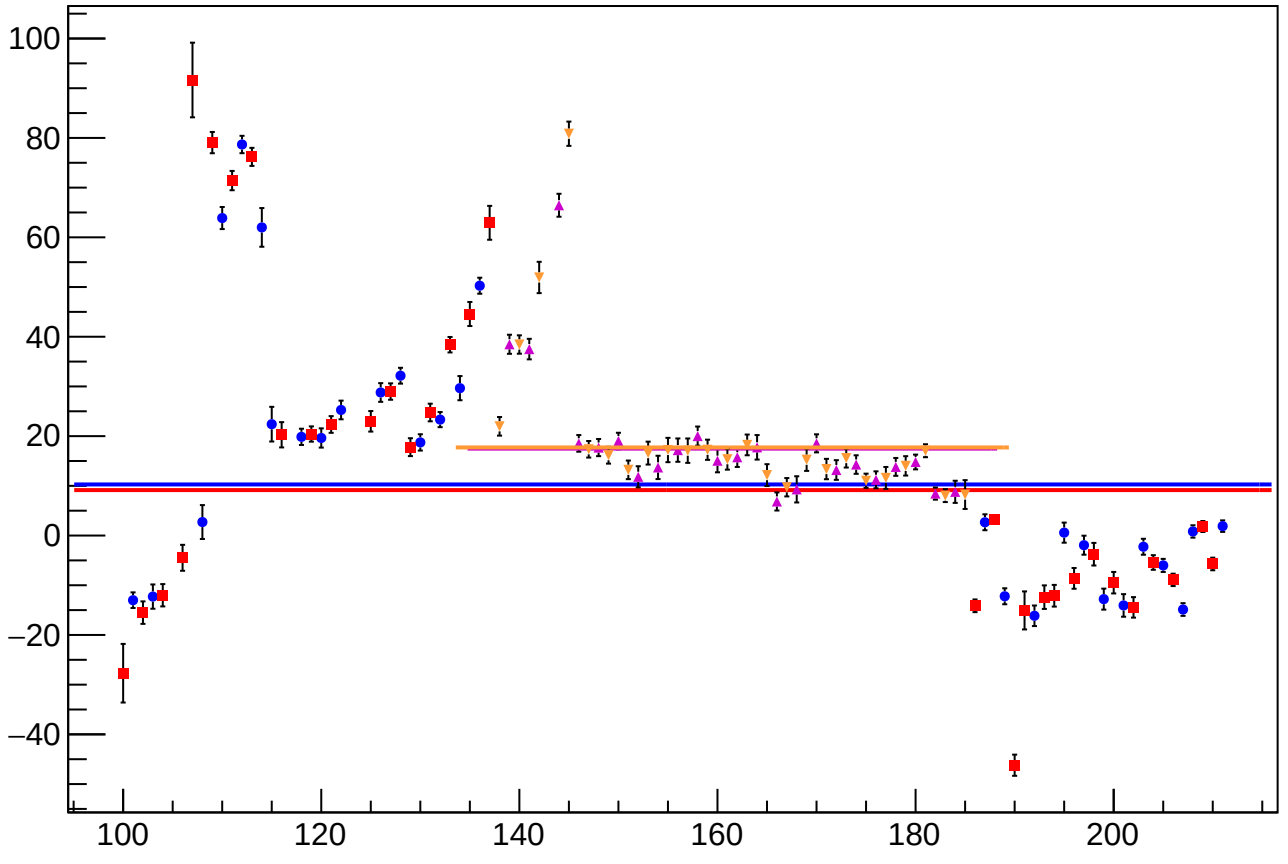
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.520+/-0.253 χ^2/NDF: 685.4/59

In: 5.936+/-0.231 χ^2/NDF:684.5/50

Out: 6.470+/-0.227 χ^2/NDF:845.2/55

All: 6.208+/-0.162 χ^2/NDF: 1532.3/106



Right In: 10.280+/-0.329 χ^2/NDF: 5194.4/27

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 9.144+/-0.313 χ^2/NDF: 7161.4/31

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

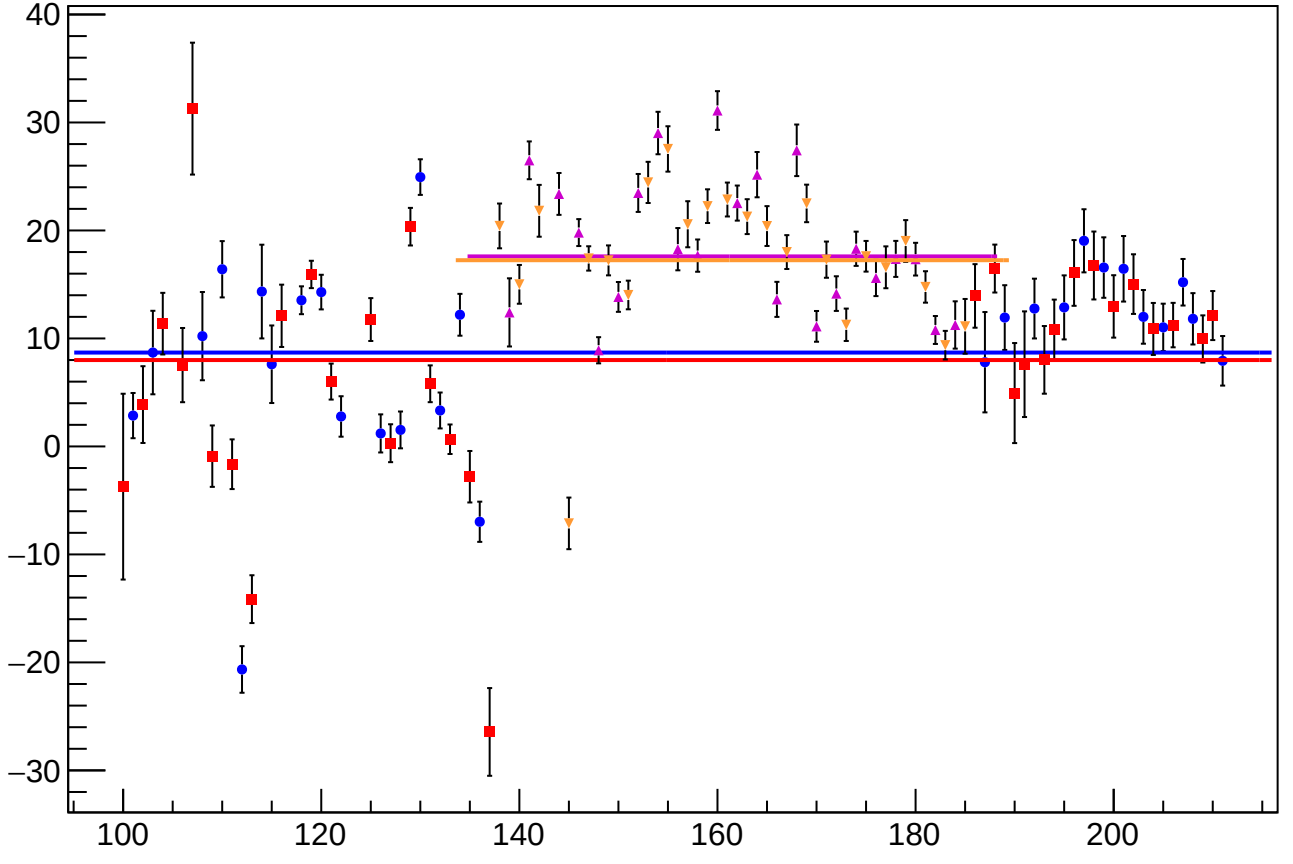
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 9.683+/-0.227 χ^2/NDF: 12362.0/59

In: 13.258+/-0.252 χ^2/NDF:6213.0/50

Out: 12.496+/-0.244 χ^2/NDF:8512.9/55

All: 12.865+/-0.176 χ^2/NDF: 14730.6/106



Right In: 8.693+/-0.416 χ^2/NDF: 503.3/27

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.999+/-0.412 χ^2/NDF: 437.5/31

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

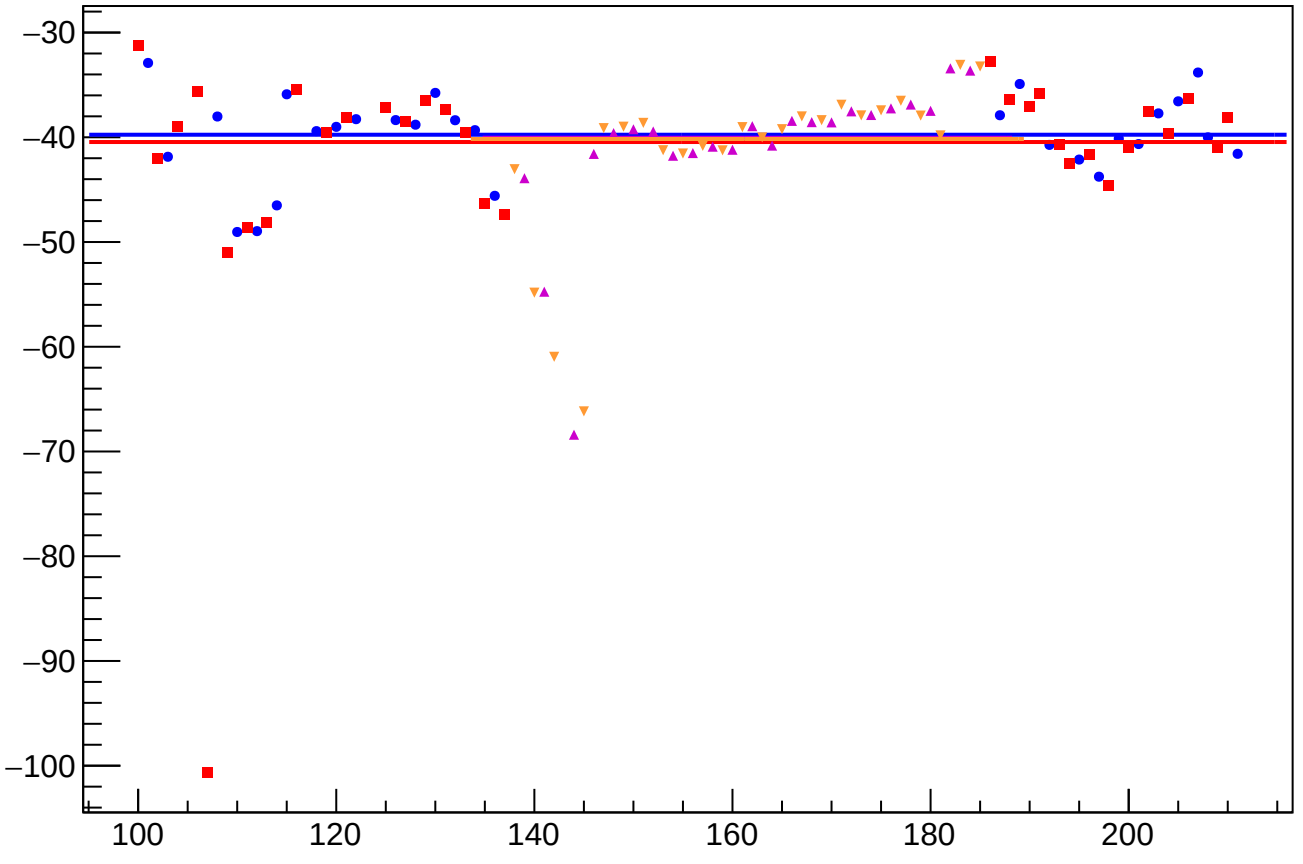
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.343+/-0.293 χ^2/NDF: 942.2/59

In: 14.003+/-0.264 χ^2/NDF:1086.2/50

Out: 13.527+/-0.261 χ^2/NDF:999.0/55

All: 13.763+/-0.186 χ^2/NDF: 2086.8/106



Right In: -39.756+/-0.021 χ^2/NDF: 32586.7/27

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.452+/-0.020 χ^2/NDF: 73132.1/31

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

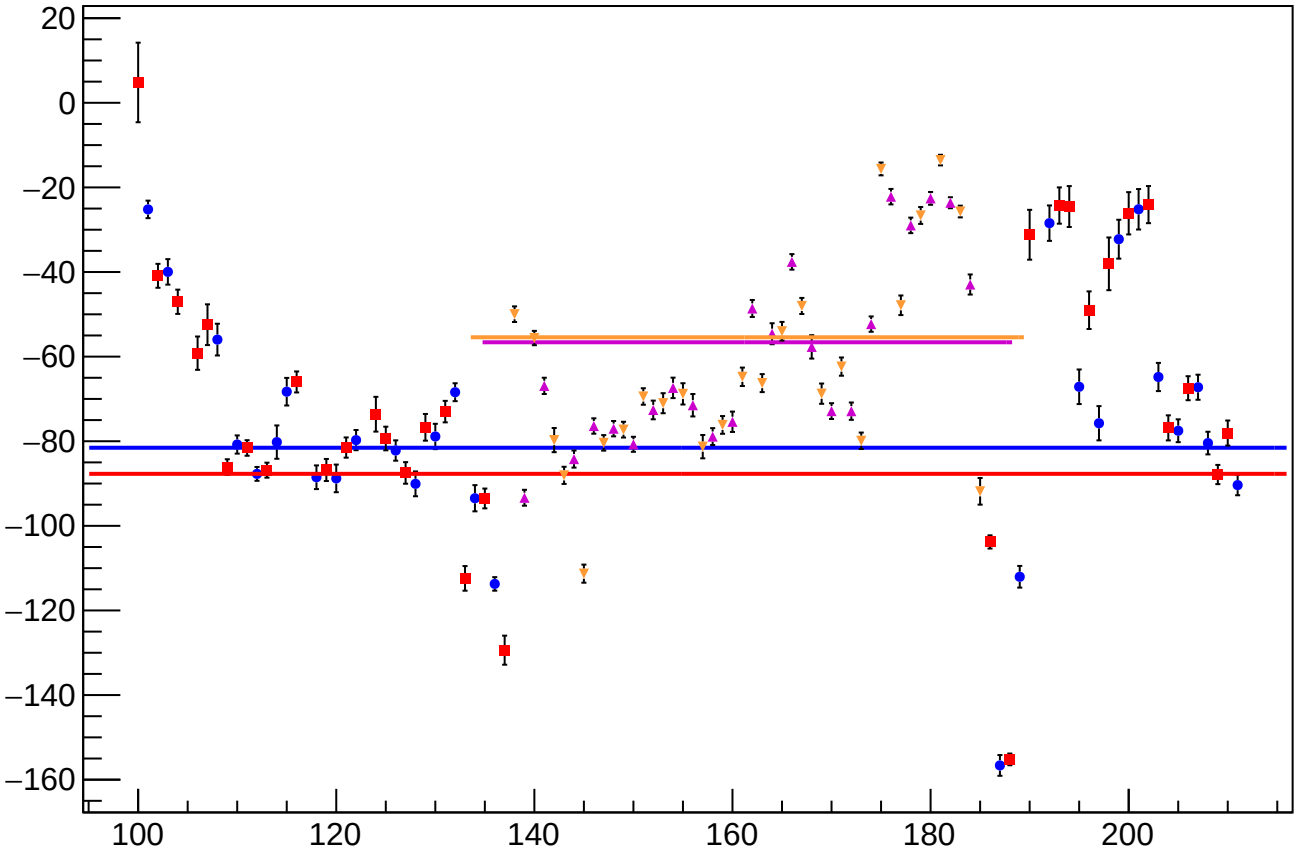
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.112+/-0.015 χ^2/NDF: 106292.0/59

In: -39.946+/-0.012 χ^2/NDF:169154.1/50

Out: -40.270+/-0.012 χ^2/NDF:236595.2/55

All: -40.109+/-0.009 χ^2/NDF: 406094.2/106



Right In: -81.538+/-0.505 χ^2/NDF: 3060.6/27

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.705+/-0.471 χ^2/NDF: 4612.9/31

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

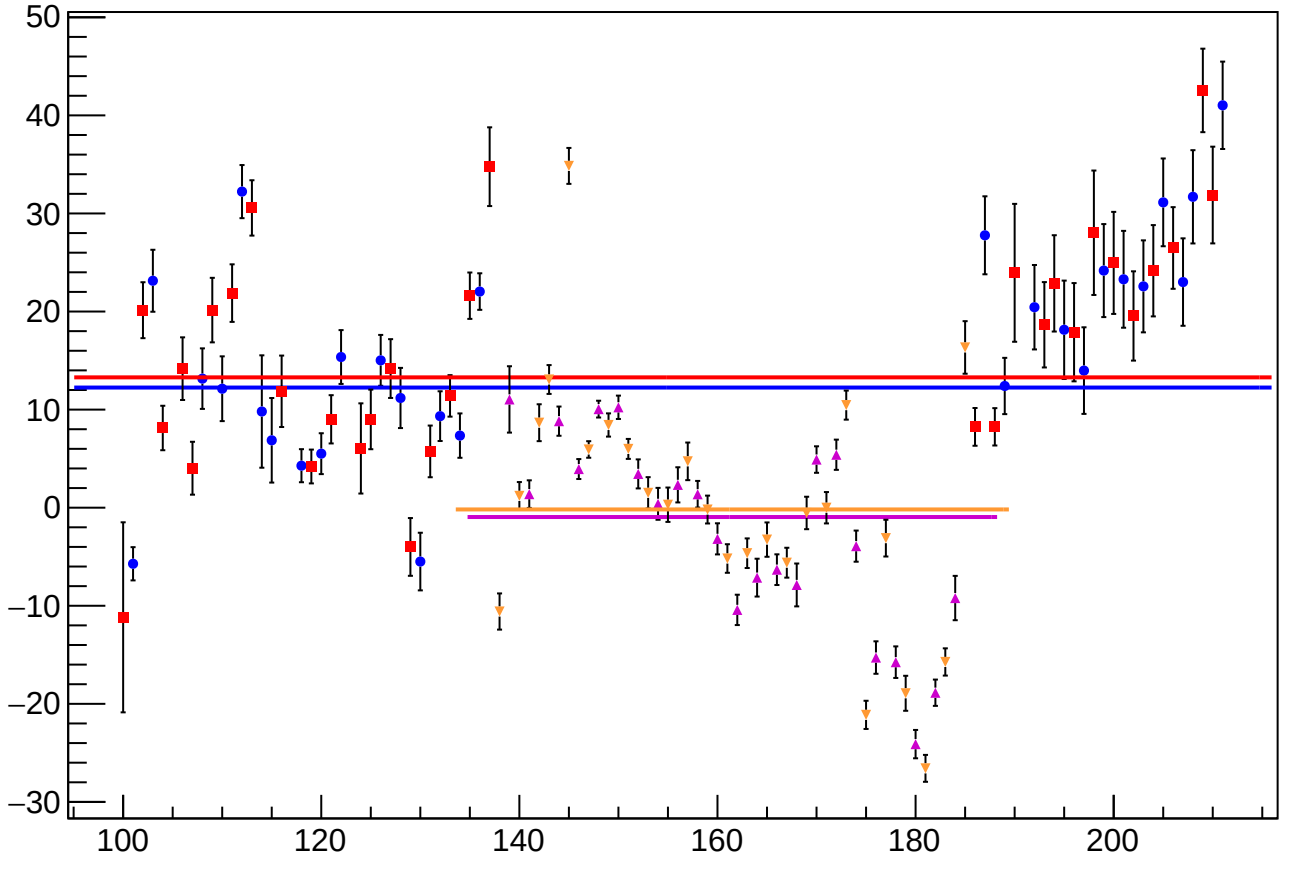
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.839+/-0.344 χ^2/NDF: 7753.3/59

In: -66.327+/-0.315 χ^2/NDF:7897.0/50

Out: -68.696+/-0.302 χ^2/NDF:11908.1/56

All: -67.564+/-0.218 χ^2/NDF: 19834.6/107



Right In: 12.249+/-0.555 χ^2/NDF: 404.7/27

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.288+/-0.536 χ^2/NDF: 311.3/31

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

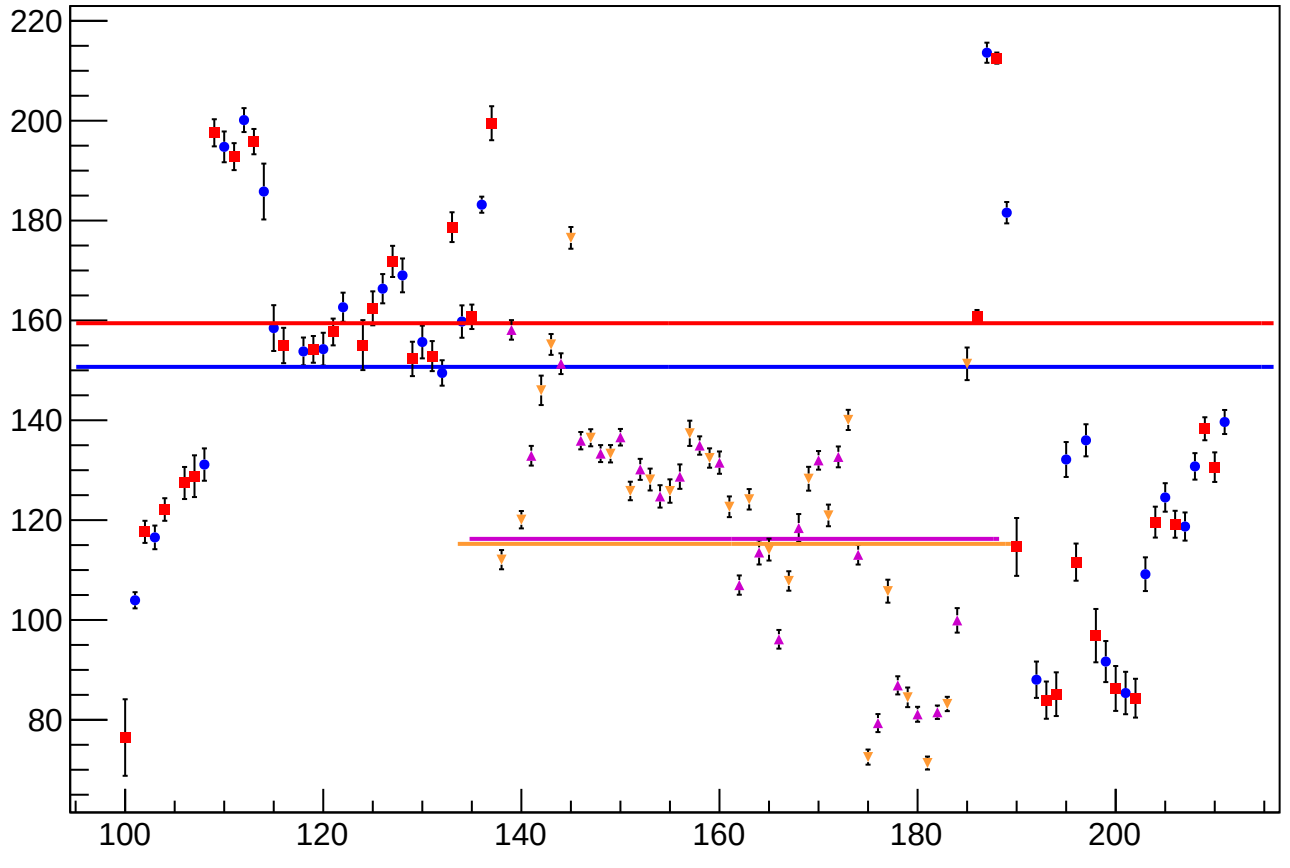
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 12.786+/-0.386 χ^2/NDF: 717.8/59

In: 2.096+/-0.267 χ^2/NDF:1909.4/50

Out: 2.934+/-0.258 χ^2/NDF:2394.5/56

All: 2.529+/-0.185 χ^2/NDF: 4309.1/107



Right In: 150.694+/-0.515 χ^2/NDF: 4655.8/27

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 159.438+/-0.470 χ^2/NDF: 6222.2/31

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

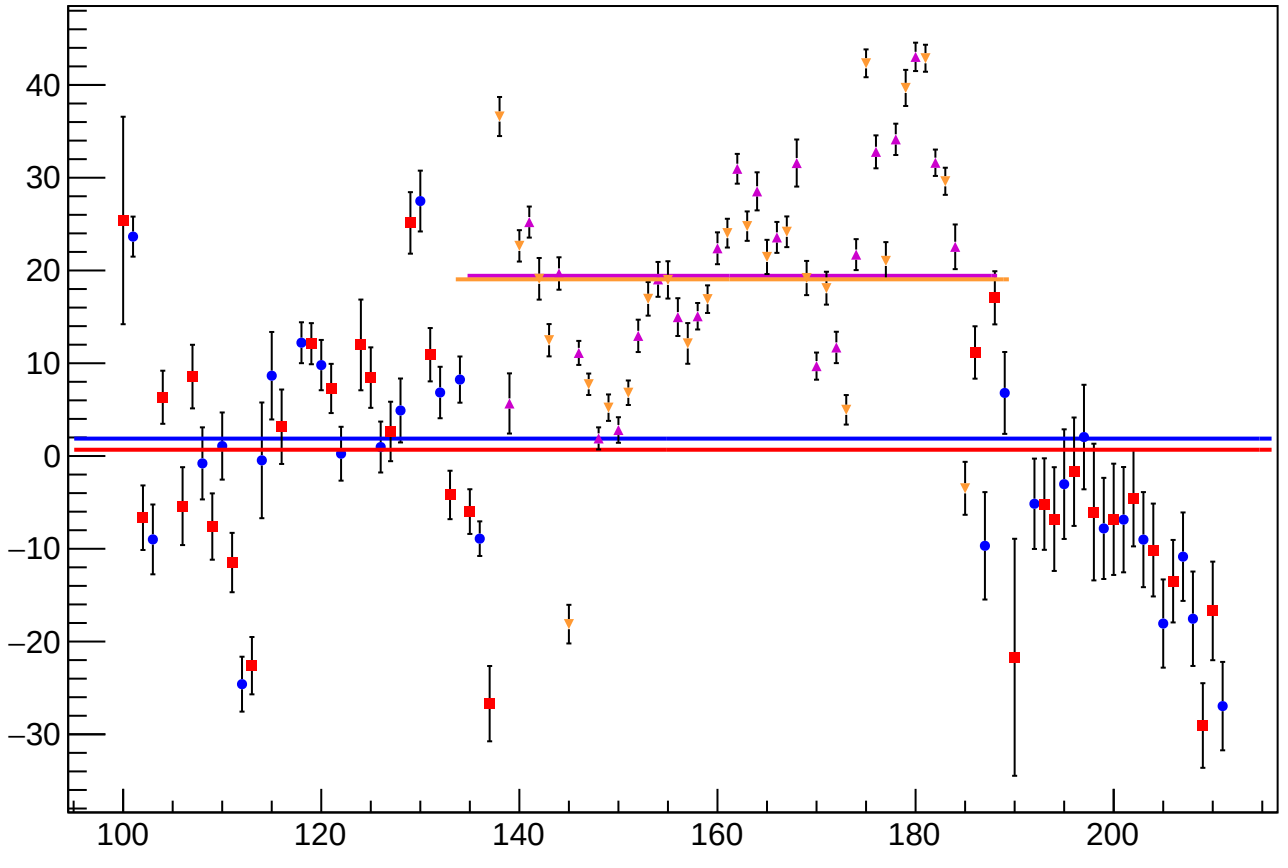
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 155.464+/-0.347 χ^2/NDF: 11035.2/59

In: 129.169+/-0.316 χ^2/NDF:11087.0/50

Out: 133.270+/-0.300 χ^2/NDF:16287.7/56

All: 131.321+/-0.218 χ^2/NDF: 27463.4/107



Right In: 1.877+/-0.643 χ^2/NDF: 422.7/27

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.676+/-0.635 χ^2/NDF: 389.8/31

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

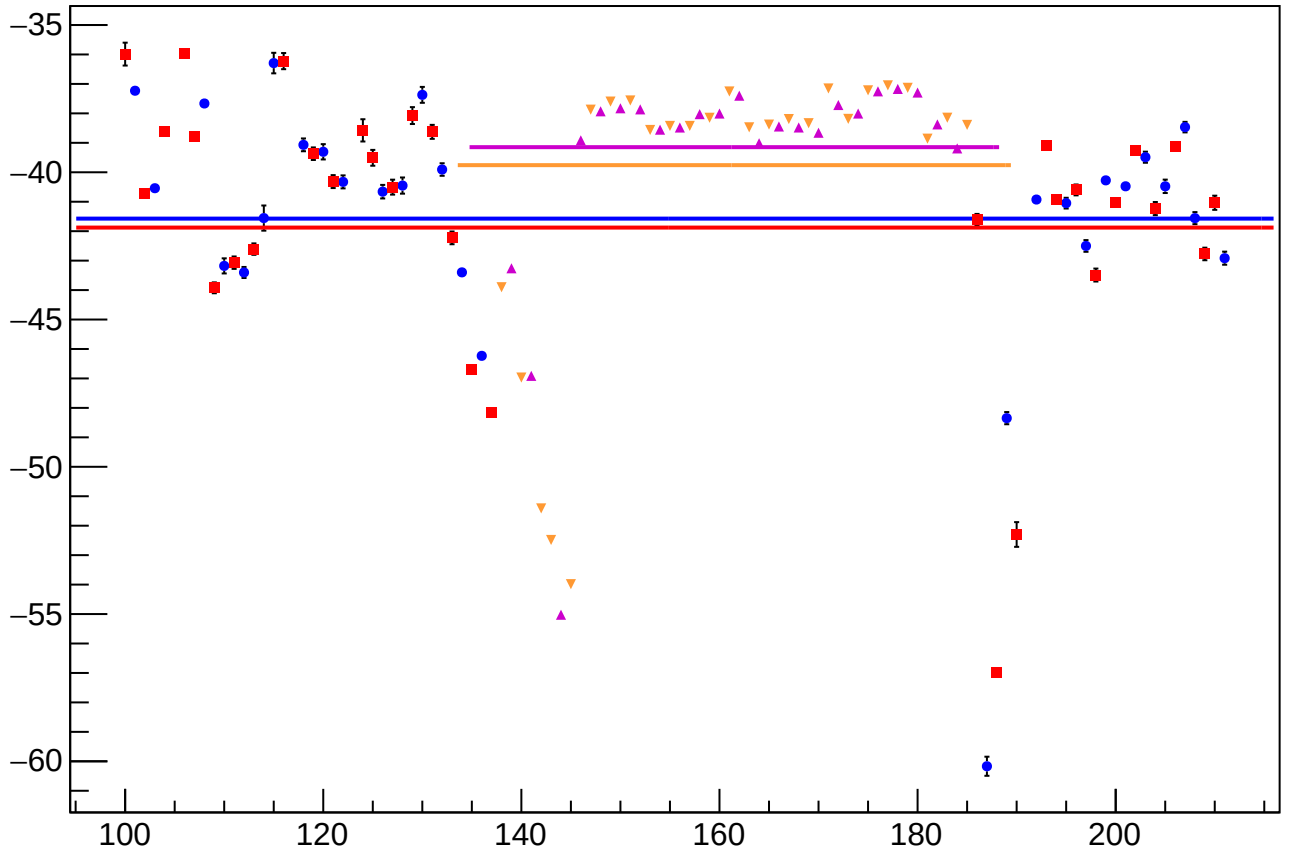
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.269+/-0.452 χ^2/NDF: 814.3/59

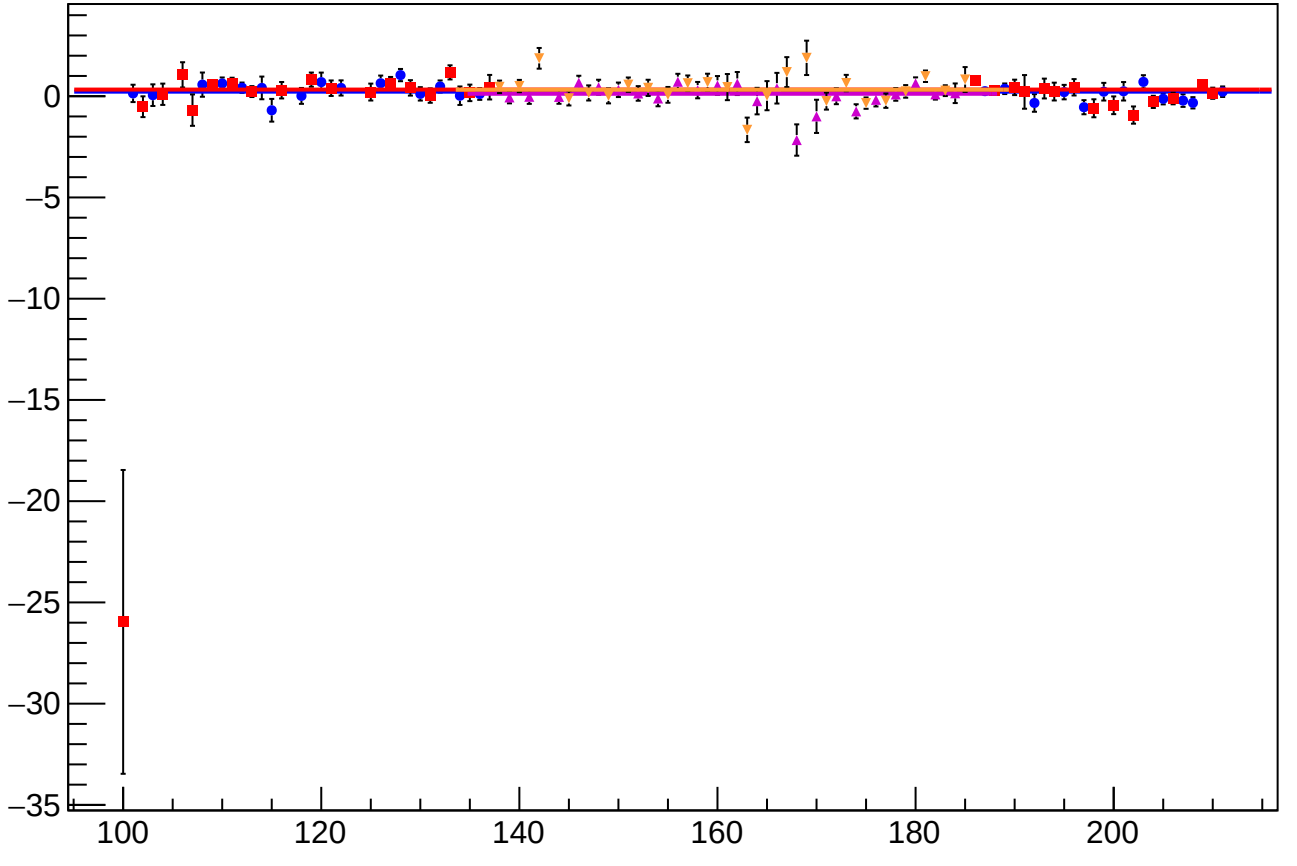
In: 15.490+/-0.304 χ^2/NDF:2077.8/50

Out: 15.024+/-0.297 χ^2/NDF:2589.5/56

All: 15.251+/-0.213 χ^2/NDF: 4668.5/107


reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
100
120
140
160
180
200
Right In: -41.573+/-0.031 χ²/NDF: 12927.3/27
Left Out: -39.758+/-0.015 χ²/NDF:81865.0/24
Right Out: -41.878+/-0.031 χ²/NDF: 19762.3/31
Left In: -39.147+/-0.016 χ²/NDF:46907.5/22
Left: -39.456+/-0.011 χ²/NDF: 129547.1/47
Right: -41.725+/-0.022 χ²/NDF: 32736.8/59
In: -39.631+/-0.014 χ²/NDF:64647.5/50
Out: -40.172+/-0.014 χ²/NDF:105306.0/56
All: -39.903+/-0.010 χ²/NDF: 170709.8/107

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.225+/-0.064 χ^2/NDF: 33.4/27

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.328+/-0.057 χ^2/NDF: 61.5/31

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

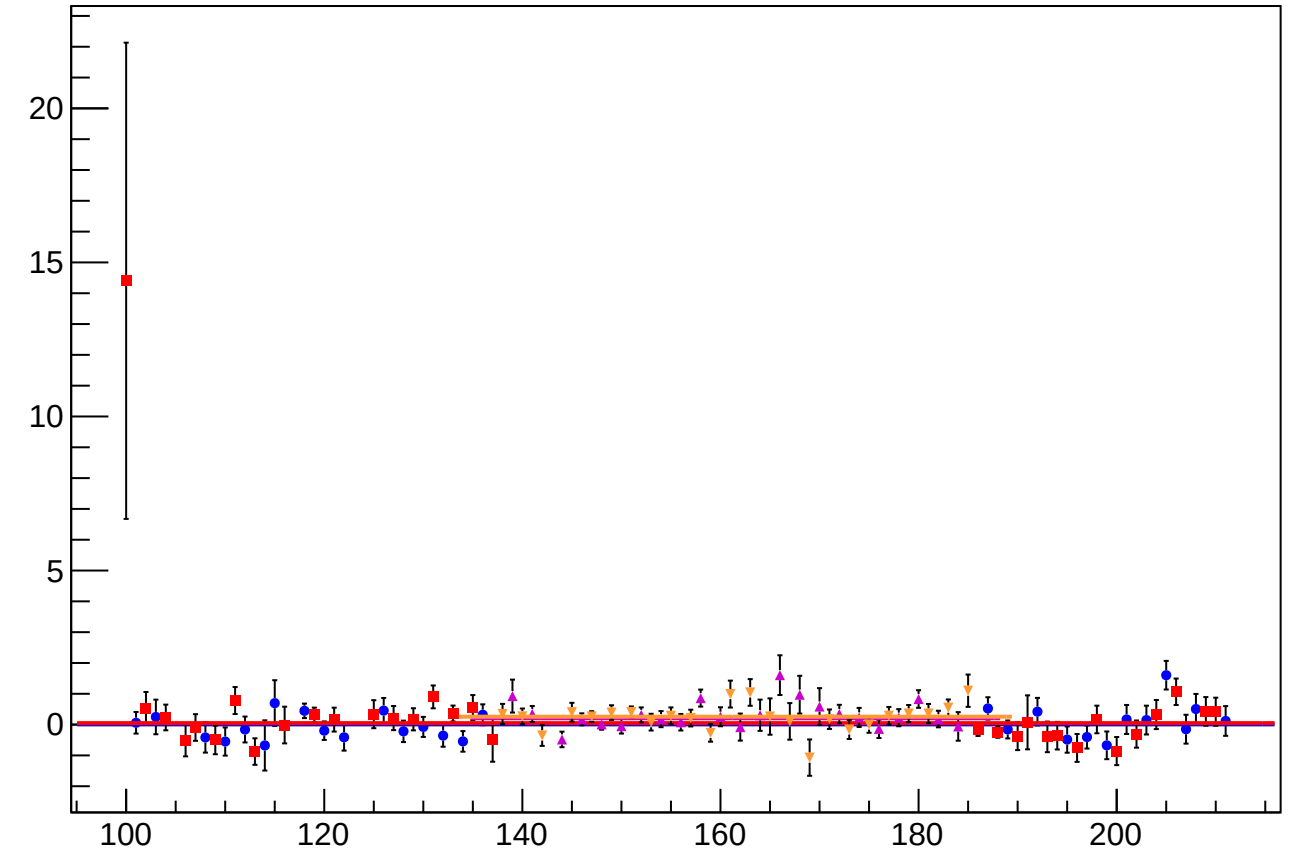
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.282+/-0.042 χ^2/NDF: 96.3/59

In: 0.183+/-0.050 χ^2/NDF:64.4/50

Out: 0.325+/-0.046 χ^2/NDF:108.4/55

All: 0.260+/-0.034 χ^2/NDF: 177.2/106



Right In: 0.007+/-0.074 χ^2/NDF: 36.5/27

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.048+/-0.068 χ^2/NDF: 46.4/31

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

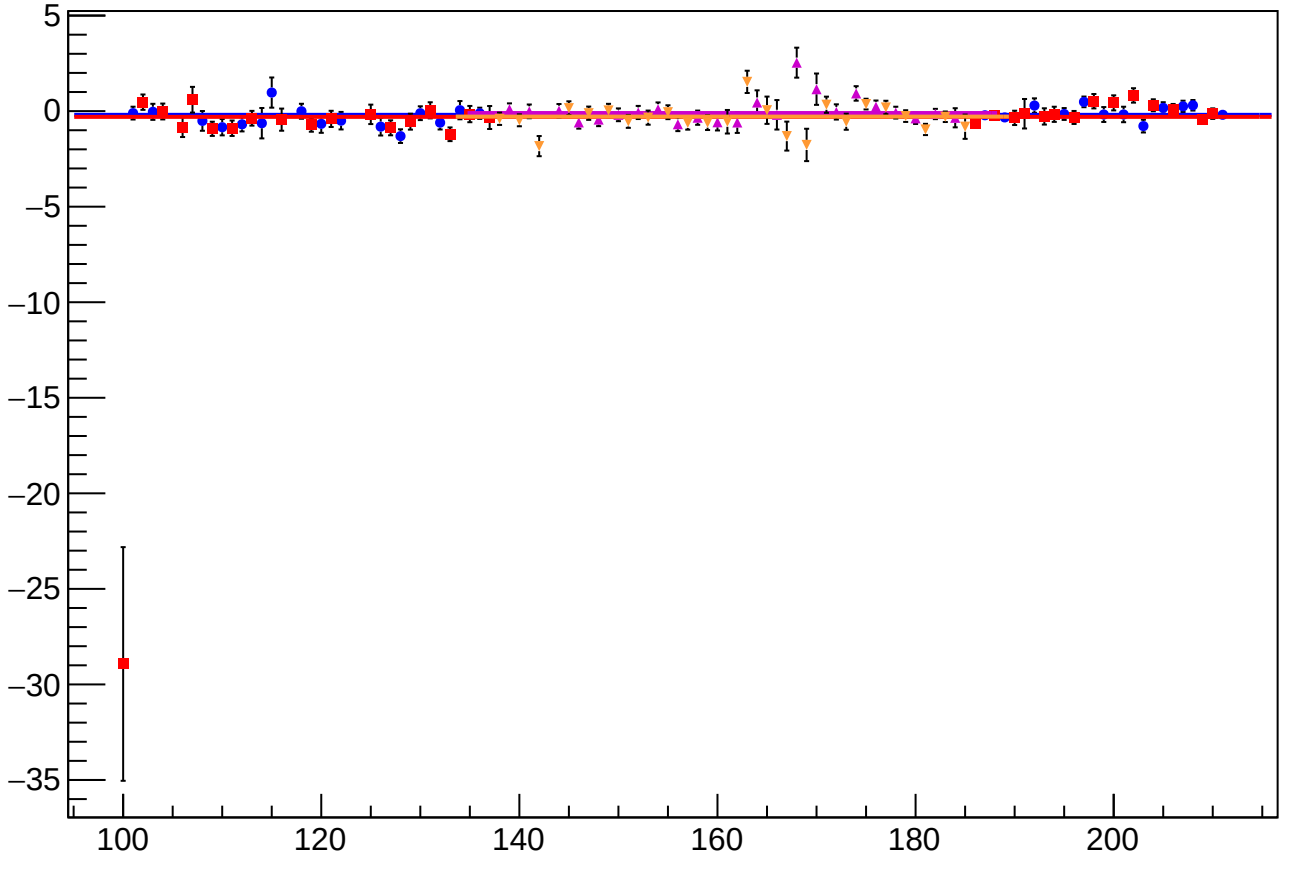
Right: 0.029+/-0.050 χ^2/NDF: 83.2/59

In: 0.127+/-0.047 χ^2/NDF:72.8/50

Out: 0.166+/-0.045 χ^2/NDF:78.3/55

All: 0.148+/-0.032 χ^2/NDF: 151.5/106

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.194+/-0.064 χ^2/NDF: 40.1/27

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.300+/-0.054 χ^2/NDF: 75.5/31

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

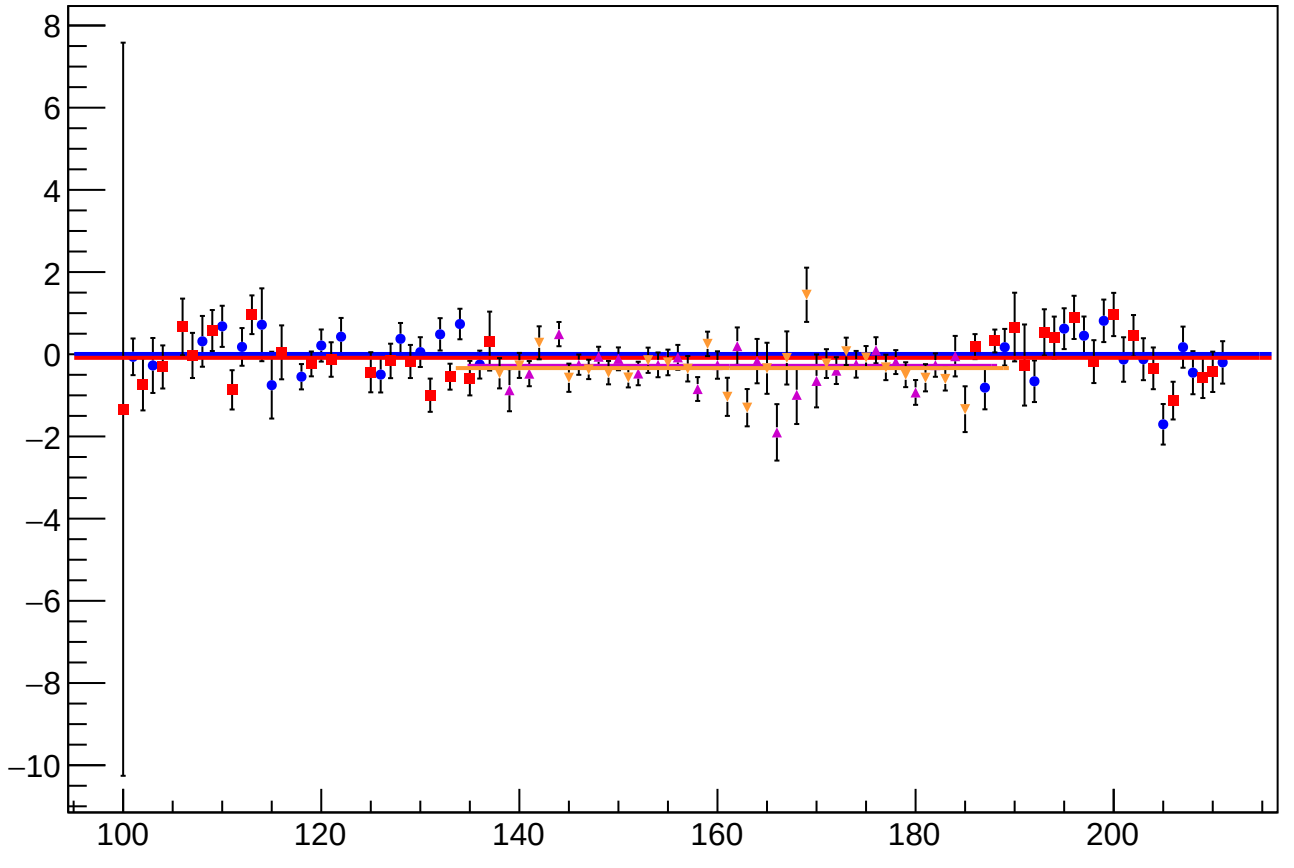
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.255+/-0.041 χ^2/NDF: 117.2/59

In: -0.157+/-0.049 χ^2/NDF:74.2/50

Out: -0.295+/-0.044 χ^2/NDF:120.5/55

All: -0.233+/-0.033 χ^2/NDF: 199.1/106



Right In: 0.007+/-0.087 χ^2/NDF: 38.7/27

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.087+/-0.082 χ^2/NDF: 43.0/31

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

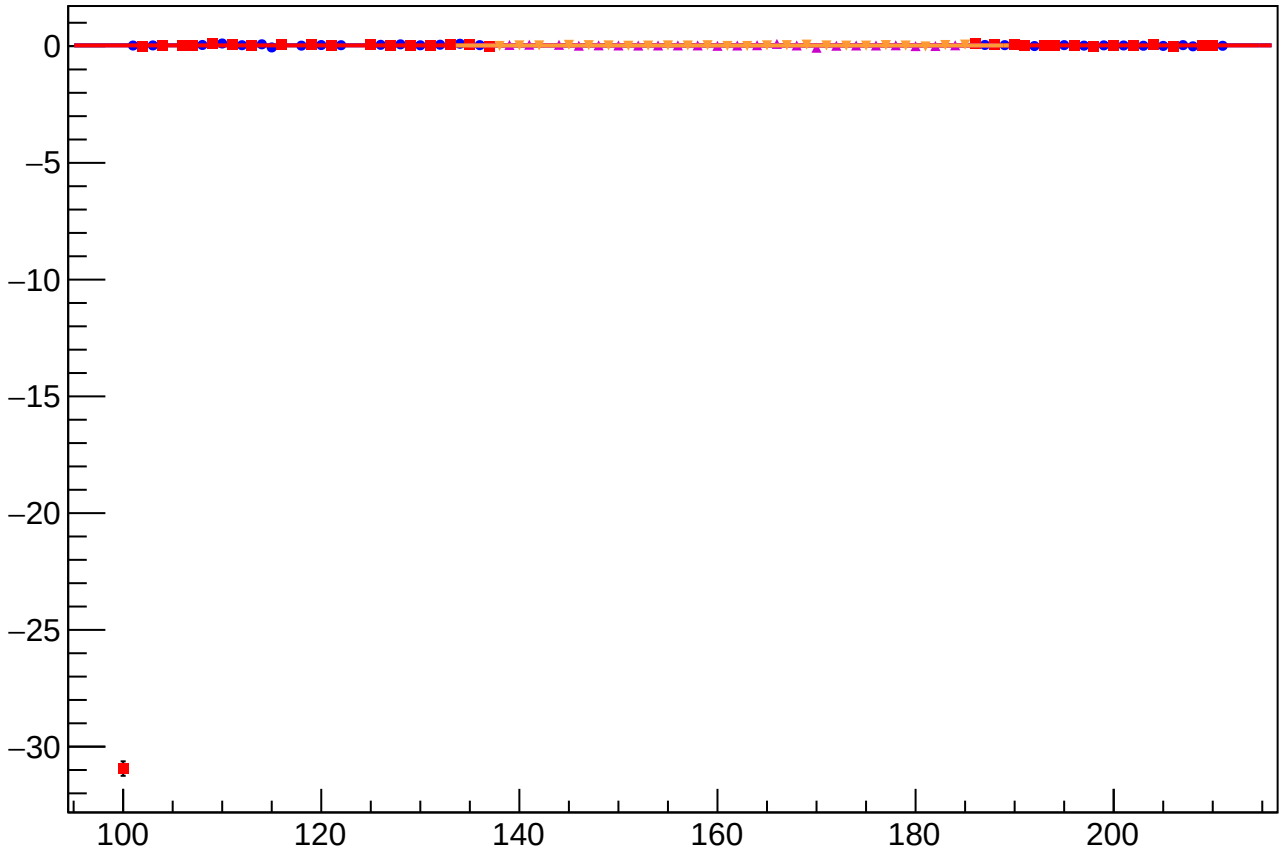
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.043+/-0.060 χ^2/NDF: 82.4/59

In: -0.170+/-0.054 χ^2/NDF:74.5/50

Out: -0.235+/-0.052 χ^2/NDF:78.6/55

All: -0.204+/-0.038 χ^2/NDF: 153.9/106



Right In: 0.034+/-0.004 χ^2/NDF: 36.8/27

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10055.0/31

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

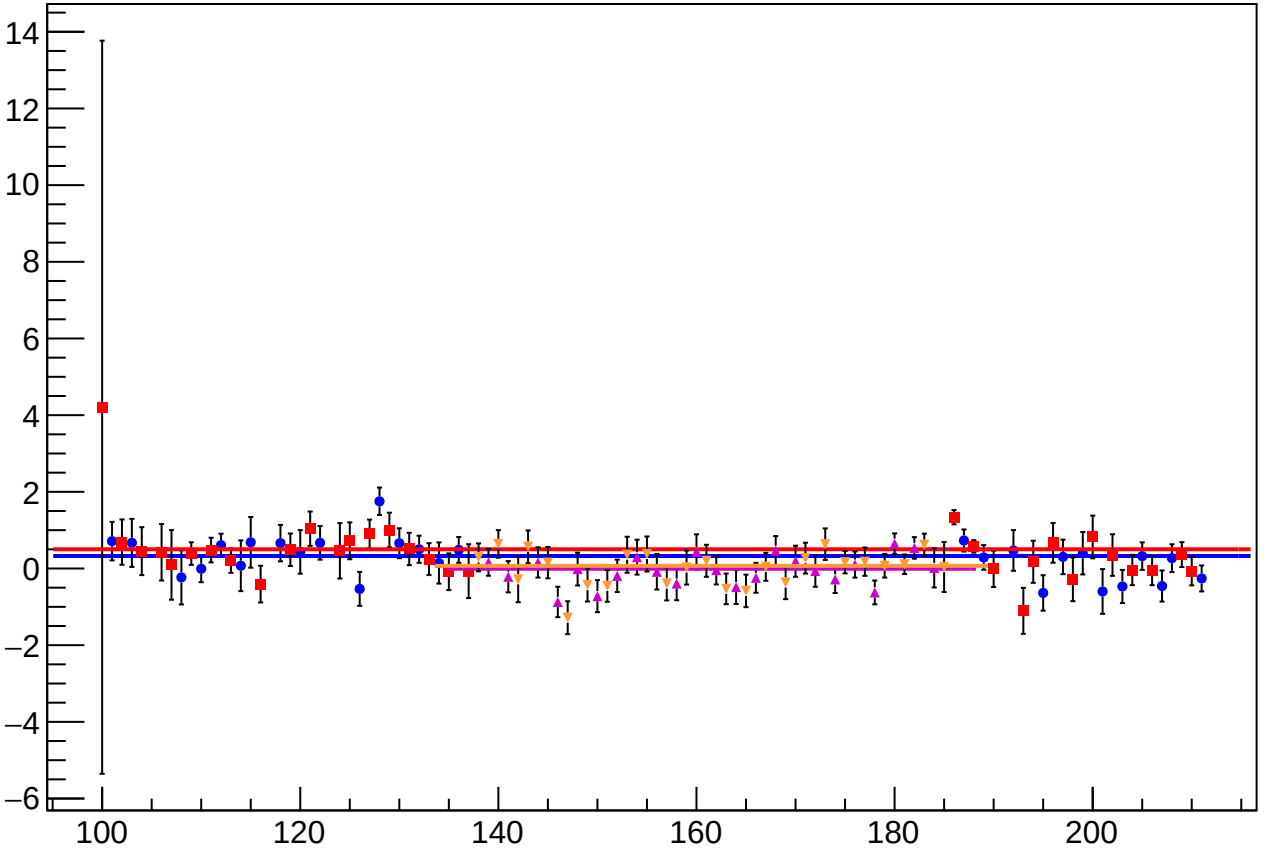
Right: 0.033+/-0.003 χ^2/NDF: 10092.2/59

In: 0.031+/-0.002 χ^2/NDF:76.7/50

Out: 0.029+/-0.002 χ^2/NDF:10082.9/55

All: 0.030+/-0.002 χ^2/NDF: 10160.0/106

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.326+/-0.079 χ^2/NDF: 45.0/27

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.501+/-0.069 χ^2/NDF: 49.6/31

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

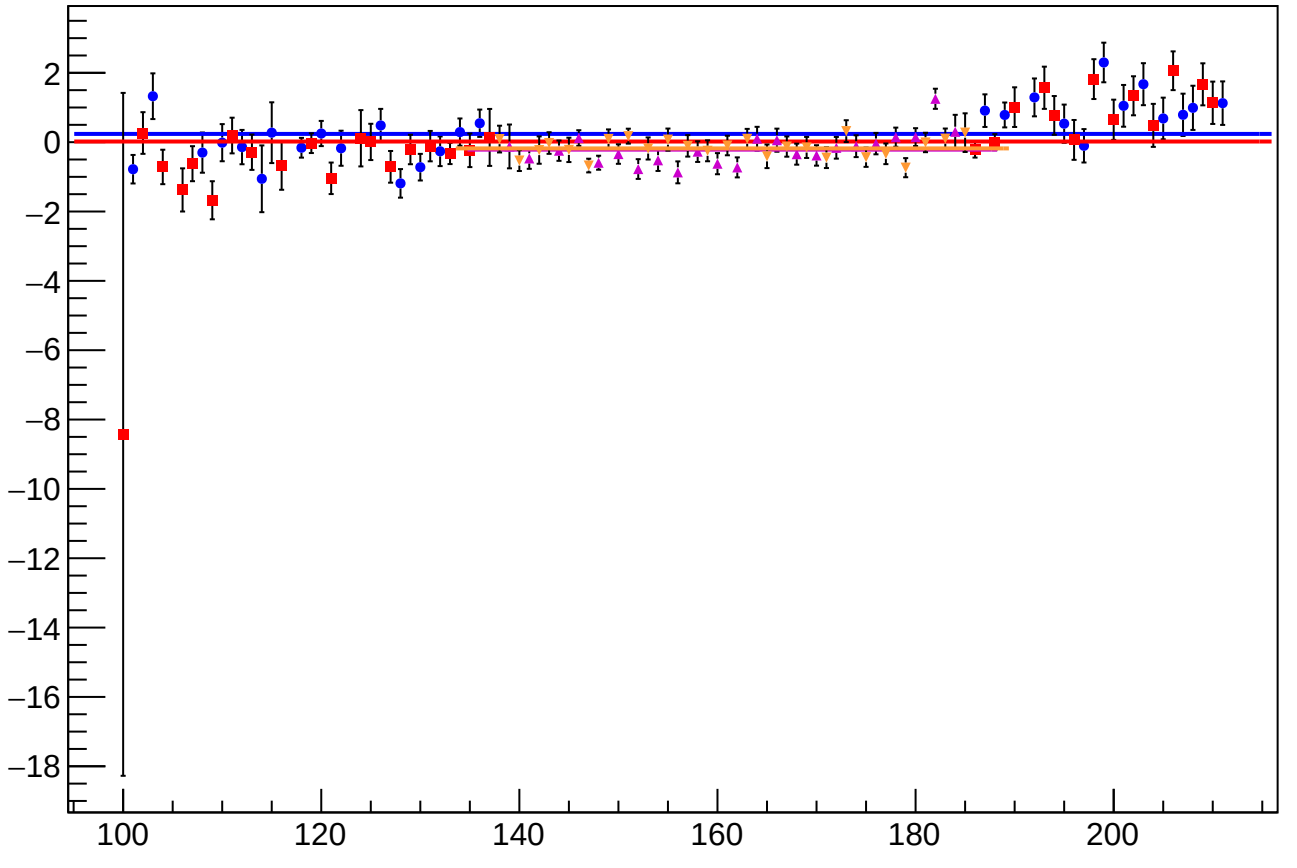
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.425+/-0.052 χ^2/NDF: 97.4/59

In: 0.162+/-0.056 χ^2/NDF:82.3/50

Out: 0.310+/-0.051 χ^2/NDF:98.2/56

All: 0.242+/-0.038 χ^2/NDF: 184.4/107



Right In: 0.238+/-0.090 χ^2/NDF: 69.5/27

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.019+/-0.081 χ^2/NDF: 84.2/31

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

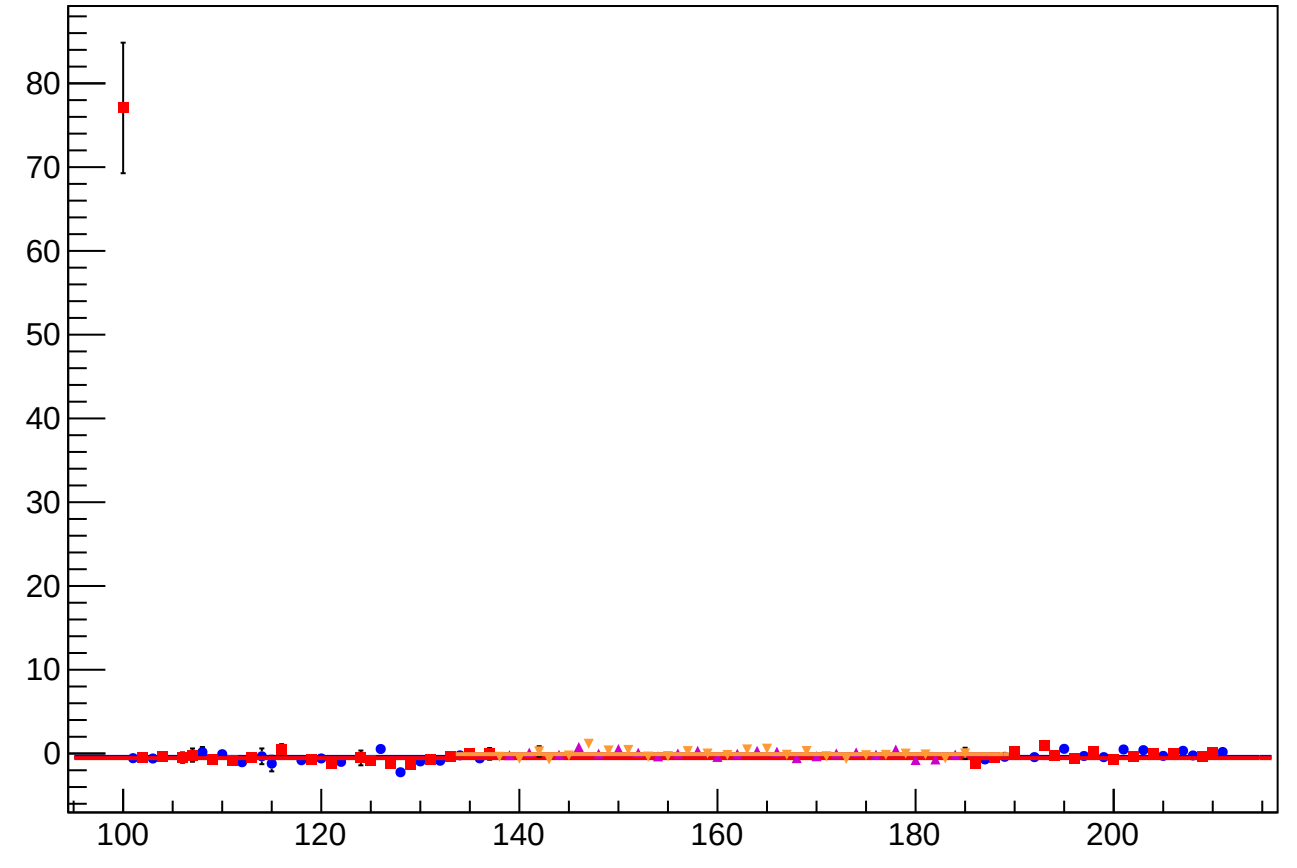
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.117+/-0.060 χ^2/NDF: 156.9/59

In: -0.072+/-0.051 χ^2/NDF:140.3/50

Out: -0.111+/-0.048 χ^2/NDF:112.8/56

All: -0.093+/-0.035 χ^2/NDF: 253.5/107



Right In: -0.403+/-0.079 χ^2/NDF: 52.0/27

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.551+/-0.066 χ^2/NDF: 149.0/31

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

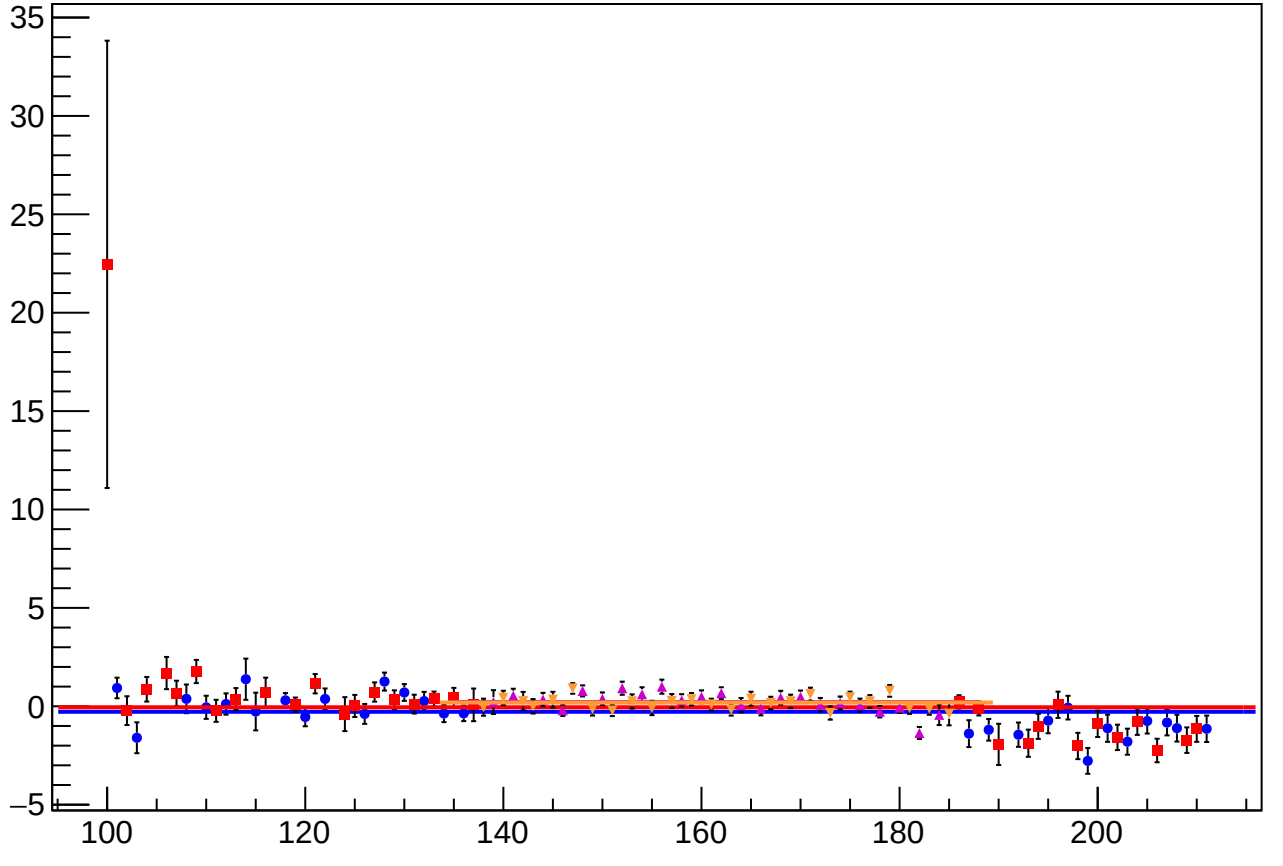
Right: -0.490+/-0.051 χ^2/NDF: 203.1/59

In: -0.239+/-0.056 χ^2/NDF:89.0/50

Out: -0.350+/-0.050 χ^2/NDF:201.0/56

All: -0.301+/-0.037 χ^2/NDF: 292.1/107

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.279+/-0.105 χ^2/NDF: 69.5/27

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.049+/-0.099 χ^2/NDF: 88.0/31

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

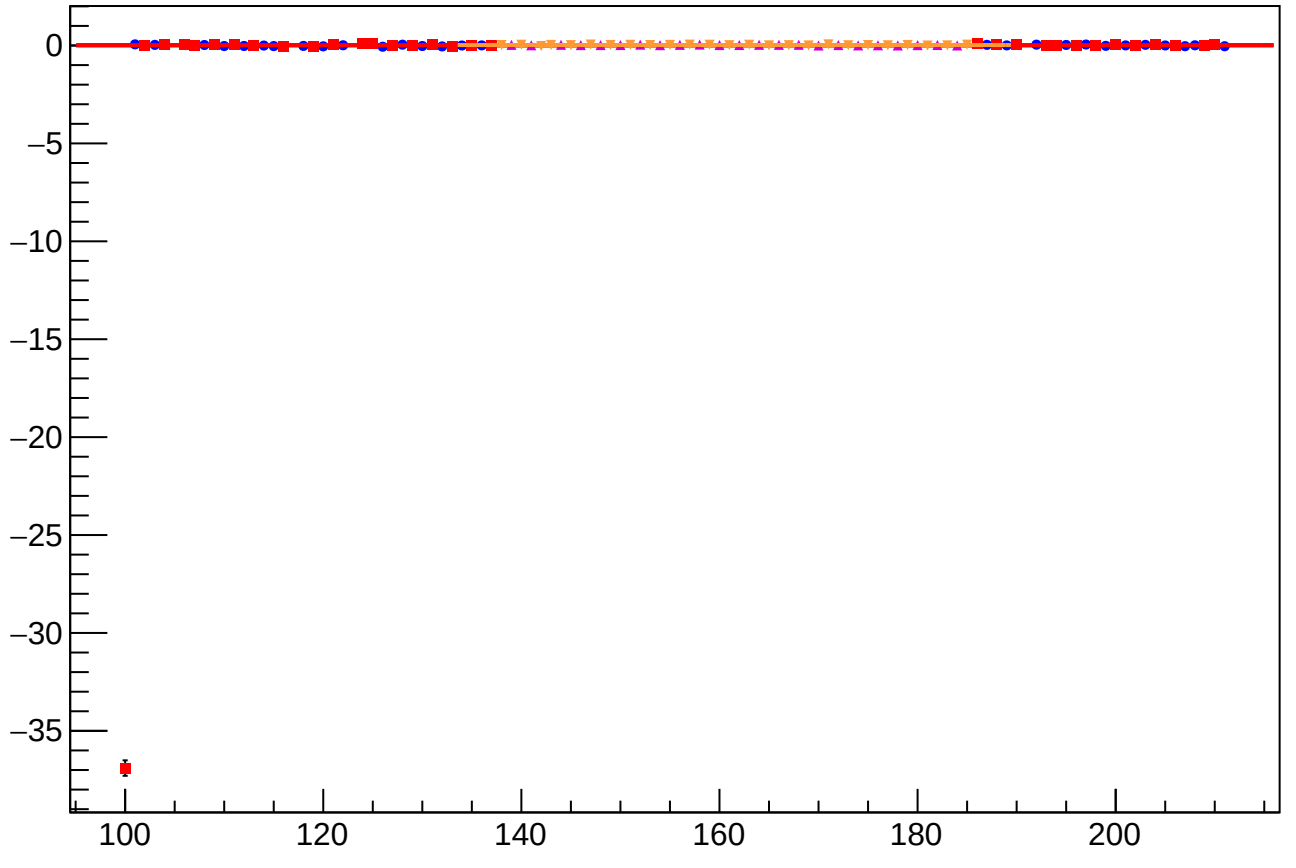
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.157+/-0.072 χ^2/NDF: 160.1/59

In: 0.066+/-0.058 χ^2/NDF:140.0/50

Out: 0.117+/-0.055 χ^2/NDF:118.0/56

All: 0.093+/-0.040 χ^2/NDF: 258.5/107



Right In: 0.010+/-0.005 χ^2/NDF: 34.8/27

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8781.8/31

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

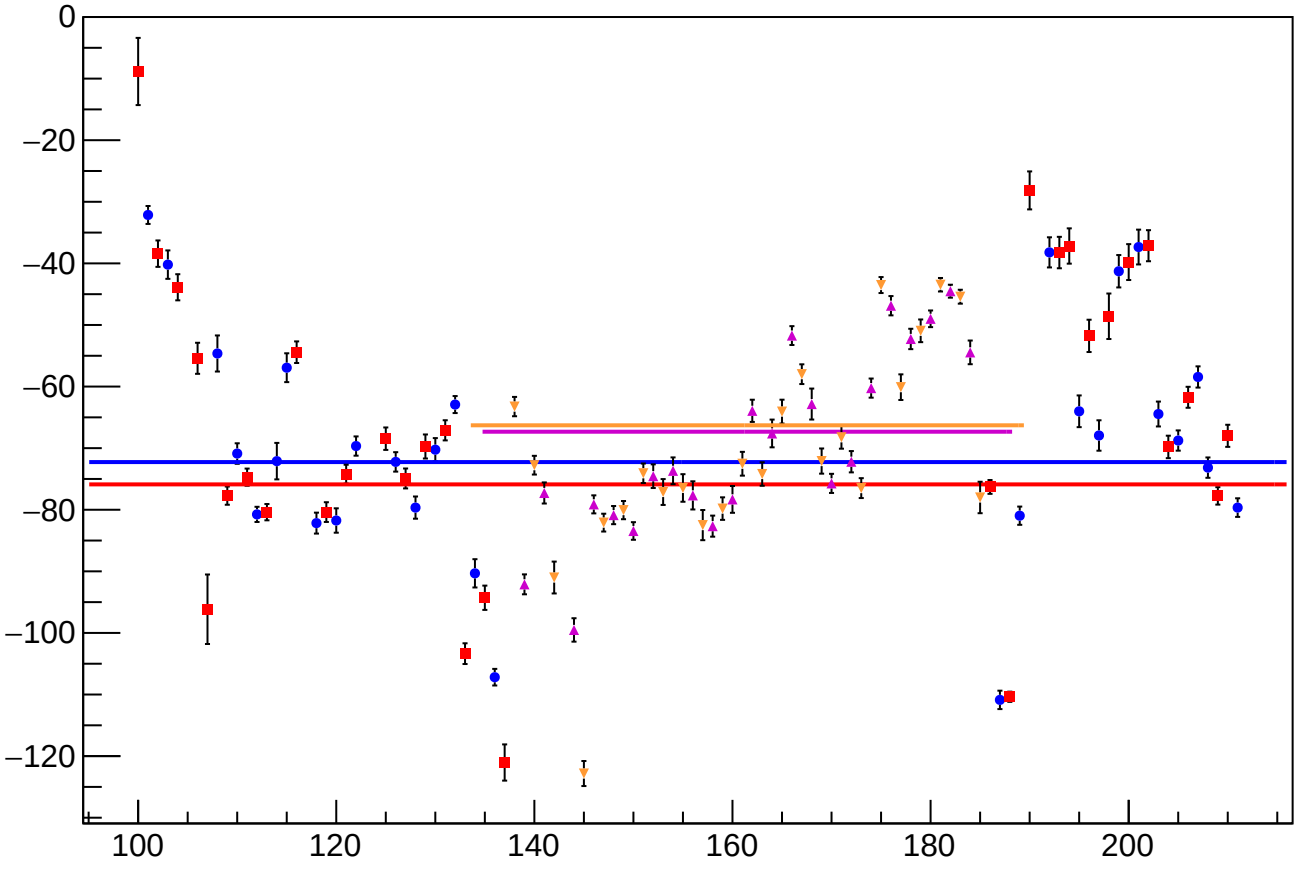
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.003 χ^2/NDF: 8817.3/59

In: 0.020+/-0.003 χ^2/NDF:58.9/50

Out: 0.022+/-0.003 χ^2/NDF:8814.4/56

All: 0.021+/-0.002 χ^2/NDF: 8873.4/107



Right In: -72.260+/-0.338 χ^2/NDF: 3244.0/27

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.882+/-0.317 χ^2/NDF: 4585.5/30

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

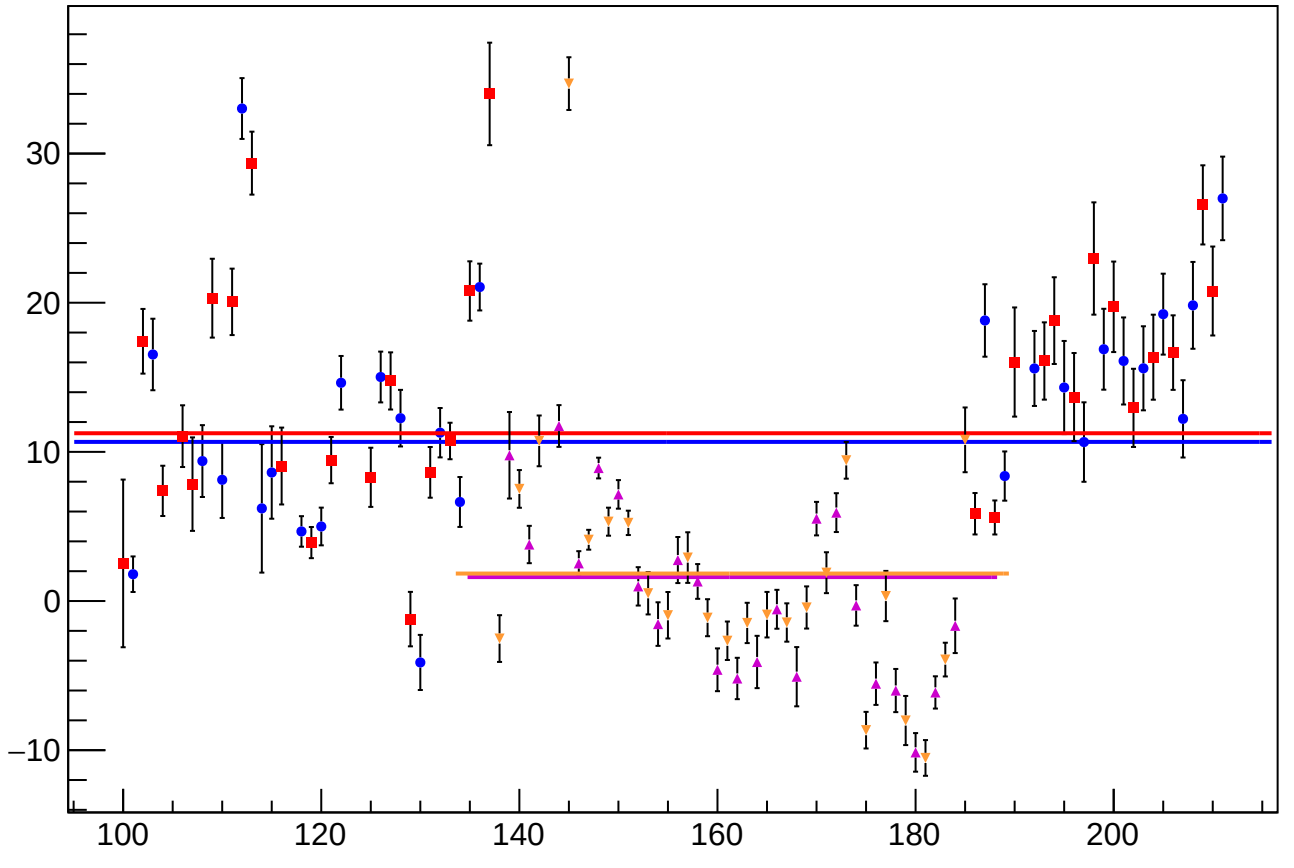
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.188+/-0.231 χ^2/NDF: 7890.7/58

In: -69.850+/-0.241 χ^2/NDF:5450.9/50

Out: -71.480+/-0.233 χ^2/NDF:7557.2/54

All: -70.694+/-0.168 χ^2/NDF: 13031.7/105



Right In: 10.669+/-0.368 χ^2/NDF: 449.0/27

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.249+/-0.359 χ^2/NDF: 412.4/30

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

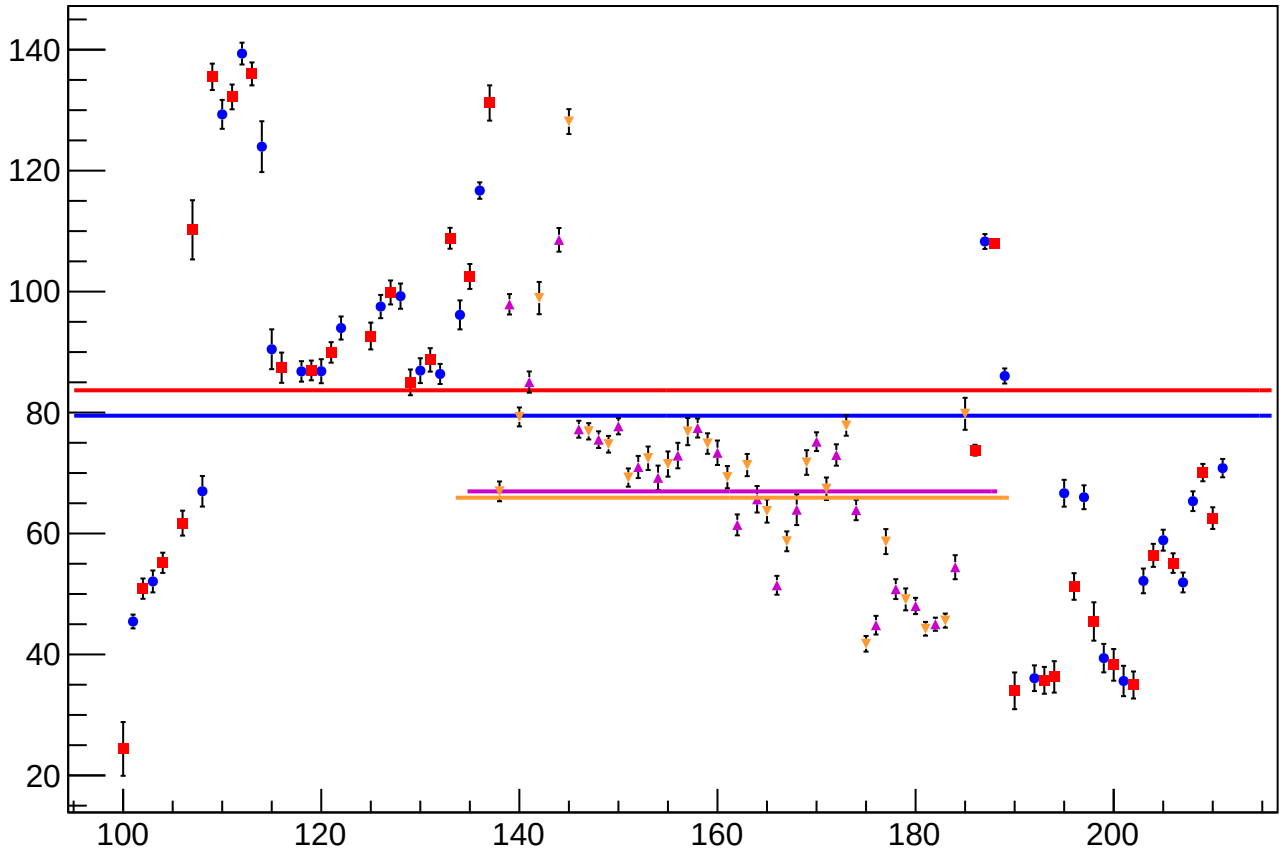
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 10.966+/-0.257 χ^2/NDF: 862.7/58

In: 4.598+/-0.211 χ^2/NDF:1351.8/50

Out: 4.990+/-0.208 χ^2/NDF:1651.3/54

All: 4.798+/-0.148 χ^2/NDF: 3004.8/105



Right In: 79.482+/-0.340 χ^2/NDF: 6282.2/27

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 83.679+/-0.311 χ^2/NDF: 7955.3/30

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

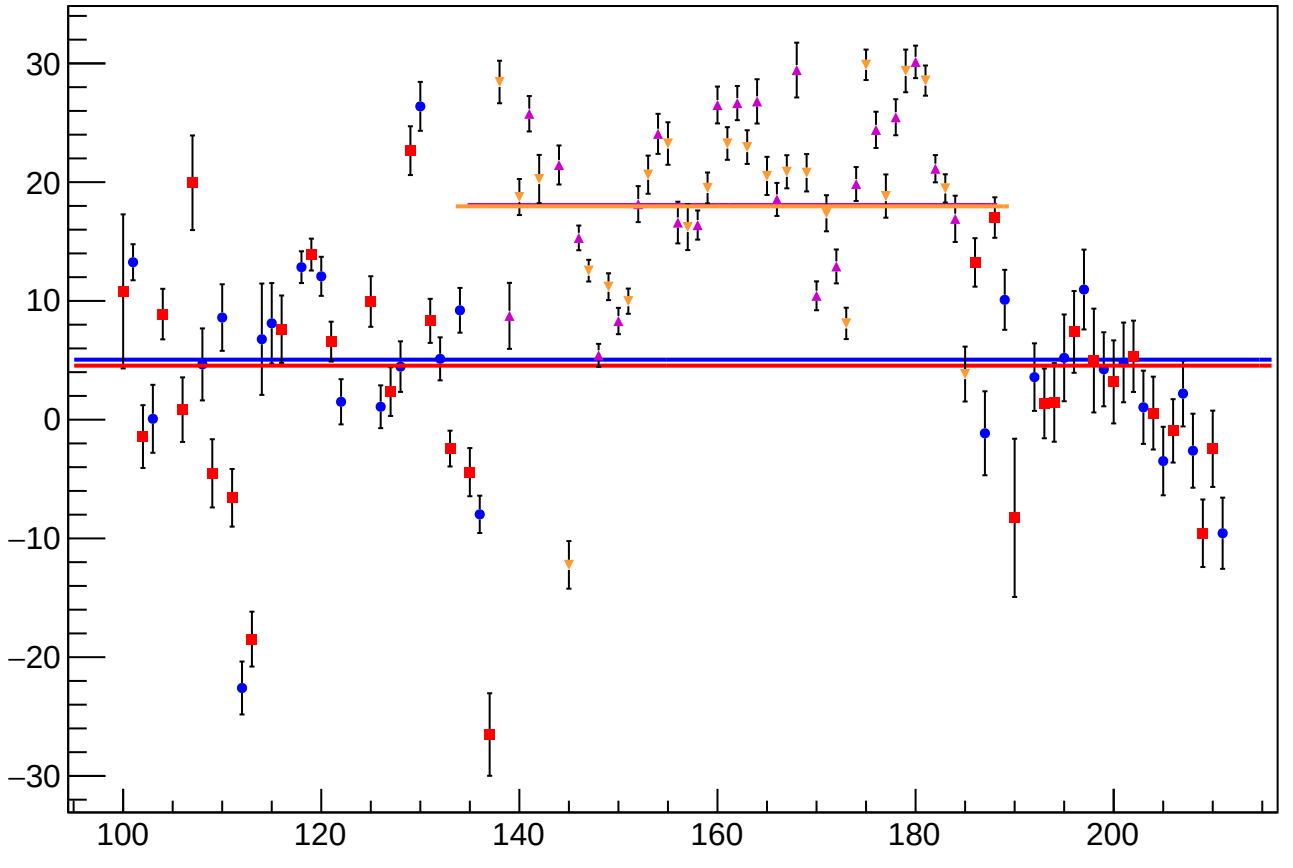
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 81.770+/-0.229 χ^2/NDF: 14320.4/58

In: 73.241+/-0.241 χ^2/NDF:9178.4/50

Out: 75.612+/-0.230 χ^2/NDF:11994.6/54

All: 74.484+/-0.166 χ^2/NDF: 21223.7/105



Right In: 5.054+/-0.431 χ^2/NDF: 482.0/27

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.549+/-0.428 χ^2/NDF: 532.3/30

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

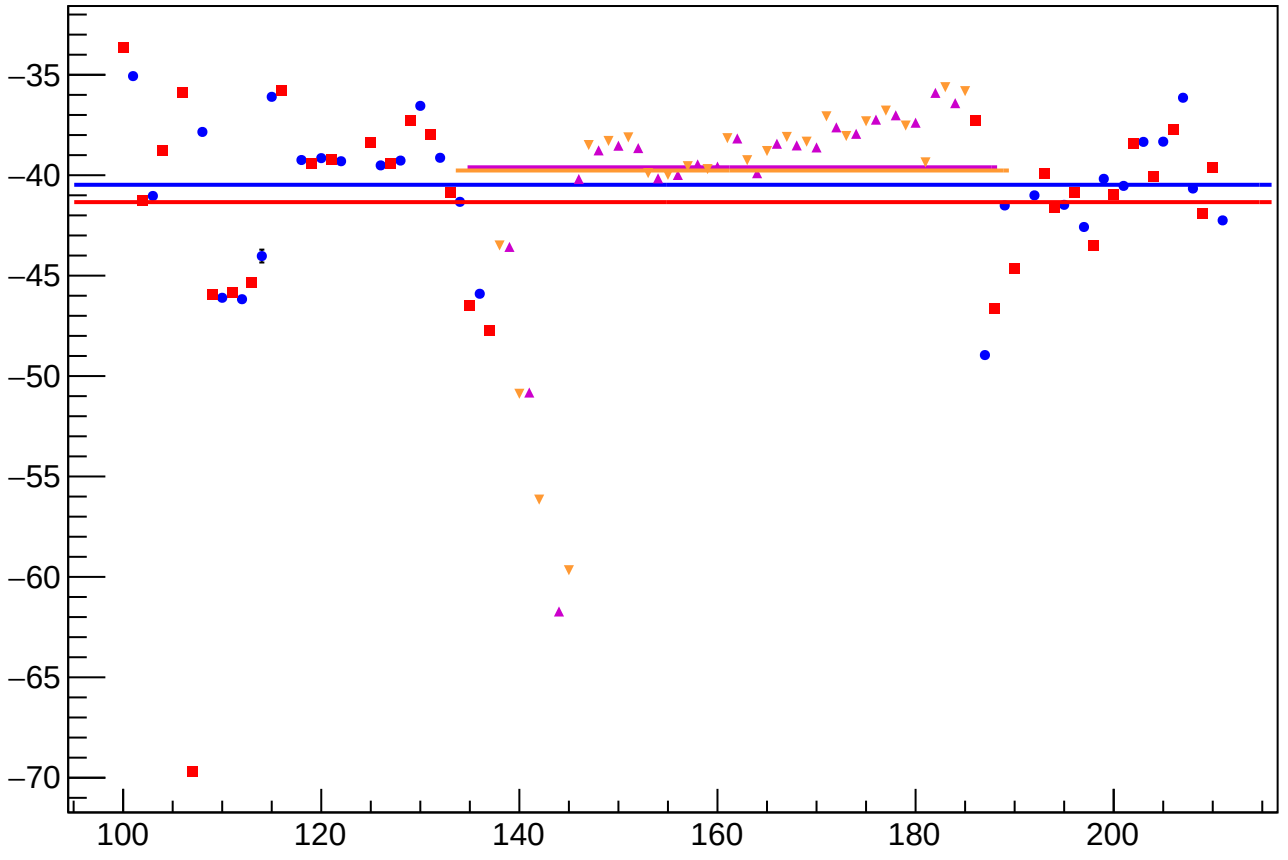
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

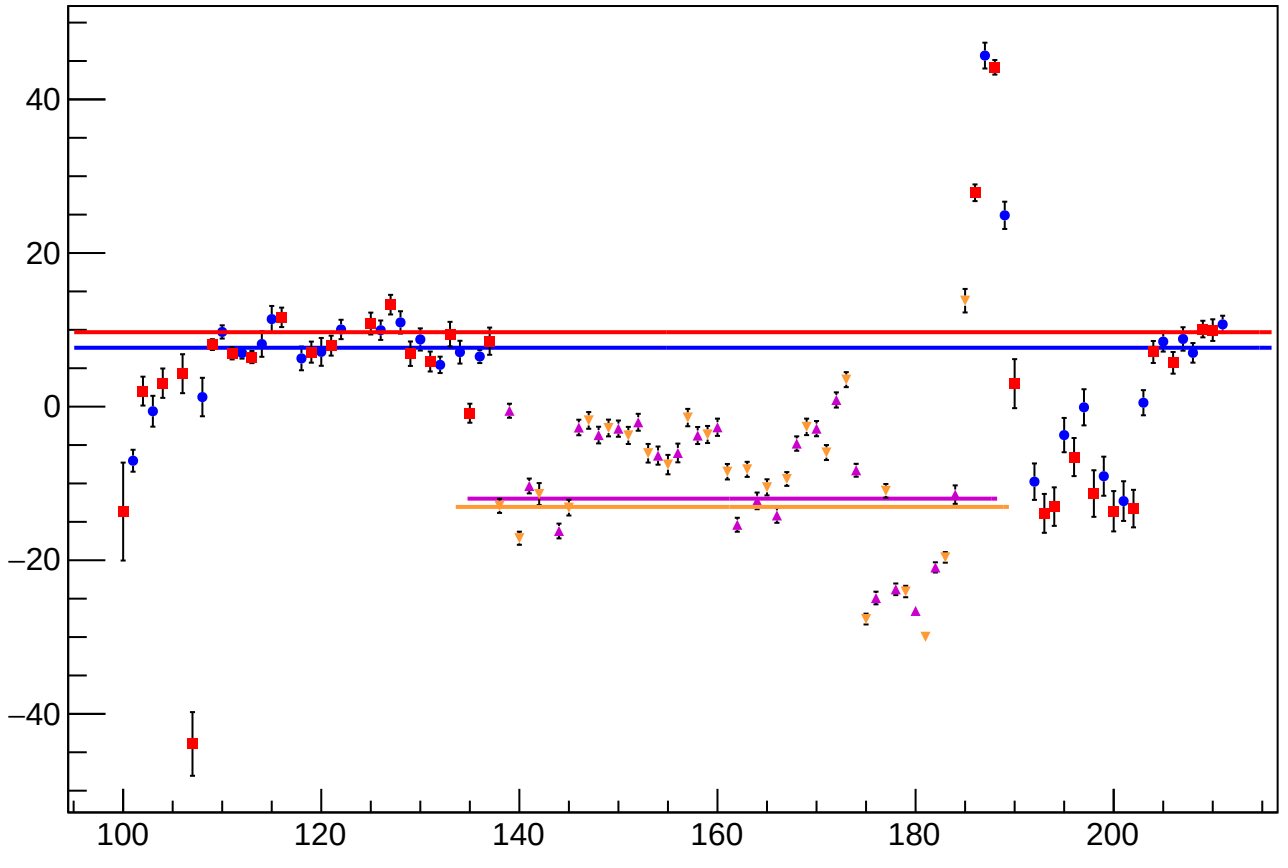
Right: 4.799+/-0.304 χ^2/NDF: 1015.0/58

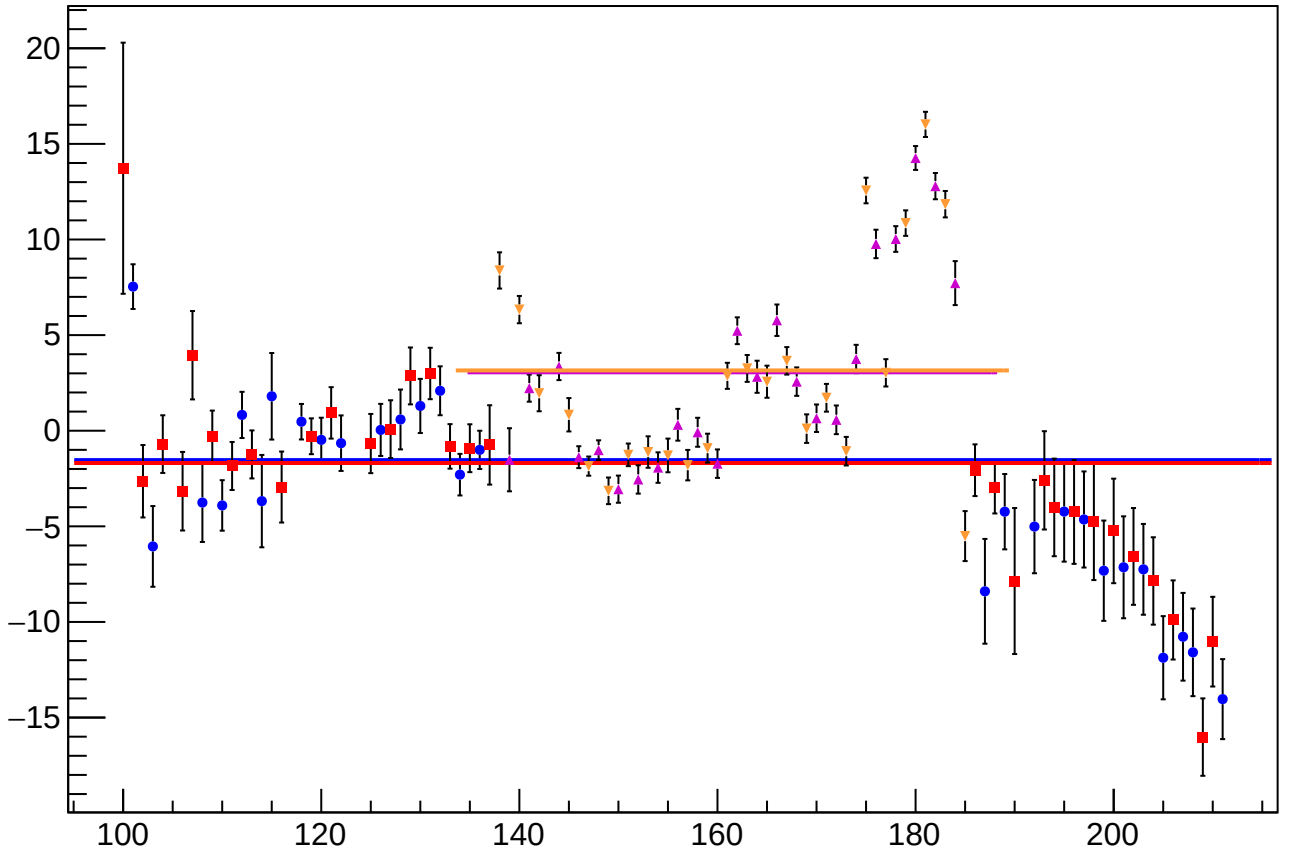
In: 13.933+/-0.243 χ^2/NDF:1708.3/50

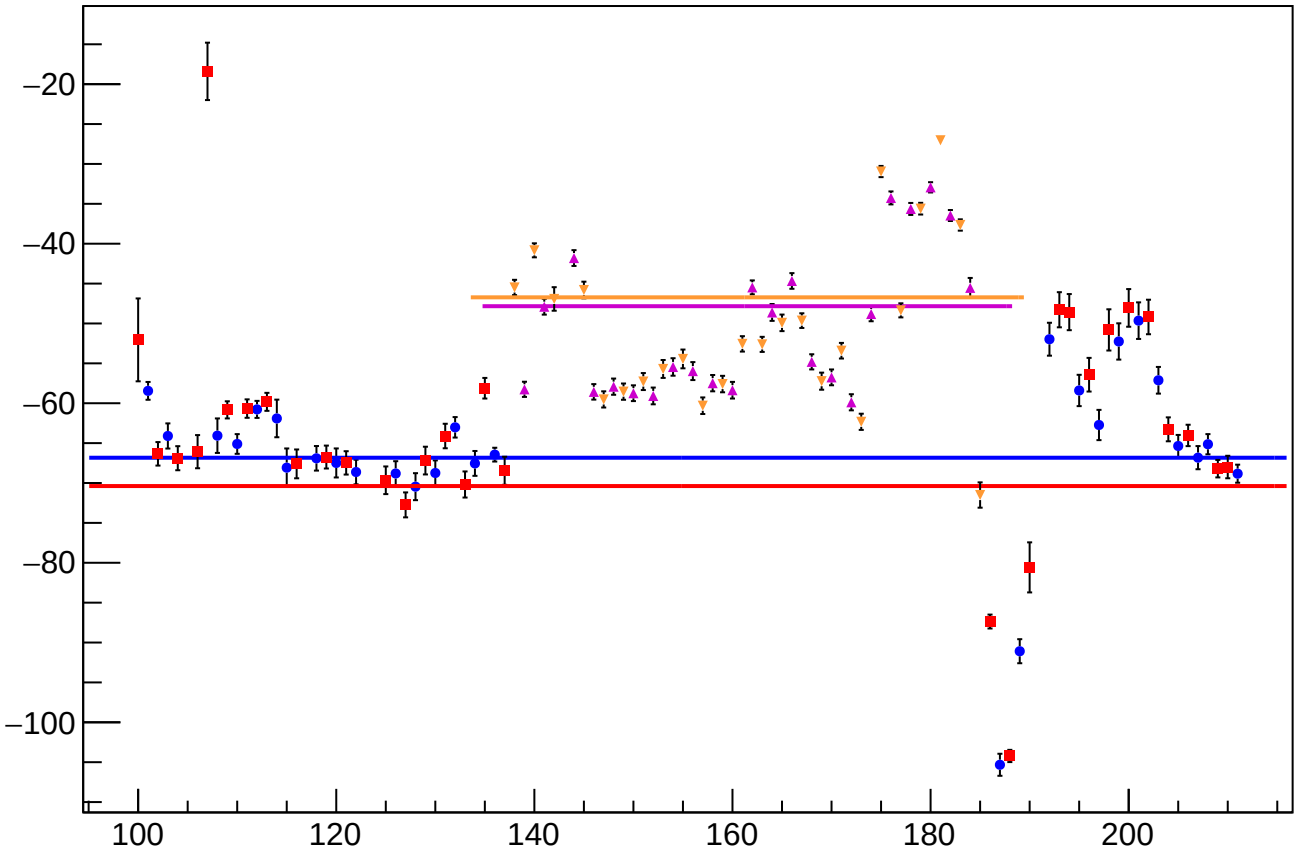
Out: 13.703+/-0.241 χ^2/NDF:1934.9/54

All: 13.817+/-0.171 χ^2/NDF: 3643.7/105


reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
100
120
140
160
180
200
Right In: -40.477+/-0.021 χ²/NDF: 23024.4/27
Left Out: -39.765+/-0.013 χ²/NDF:129895.4/23
Right Out: -41.339+/-0.021 χ²/NDF: 44778.8/30
Left In: -39.606+/-0.013 χ²/NDF:106639.2/22
Left: -39.685+/-0.009 χ²/NDF: 236604.6/46
Right: -40.910+/-0.015 χ²/NDF: 68628.4/58
In: -39.852+/-0.011 χ²/NDF:130861.3/50
Out: -40.219+/-0.011 χ²/NDF:178607.6/54
All: -40.035+/-0.008 χ²/NDF: 309989.6/105


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.667+/-0.260 χ²/NDF: 988.3/27
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.692+/-0.246 χ²/NDF: 2387.3/30
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.737+/-0.179 χ²/NDF: 3407.6/58
In: -4.886+/-0.156 χ²/NDF:6810.5/50
Out: -4.392+/-0.152 χ²/NDF:10557.5/54
All: -4.632+/-0.109 χ²/NDF: 17373.2/105


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -1.537+/-0.298 χ²/NDF: 219.4/27
Left Out: 3.153+/-0.149 χ²/NDF:1385.1/23
Right Out: -1.688+/-0.298 χ²/NDF: 145.7/30
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -1.613+/-0.211 χ²/NDF: 365.2/58
In: 2.108+/-0.135 χ²/NDF:1552.8/50
Out: 2.181+/-0.133 χ²/NDF:1742.3/54
All: 2.145+/-0.095 χ²/NDF: 3295.2/105



Right In: -66.832+/-0.279 χ^2/NDF: 1365.5/27

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.383+/-0.264 χ^2/NDF: 3474.8/30

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

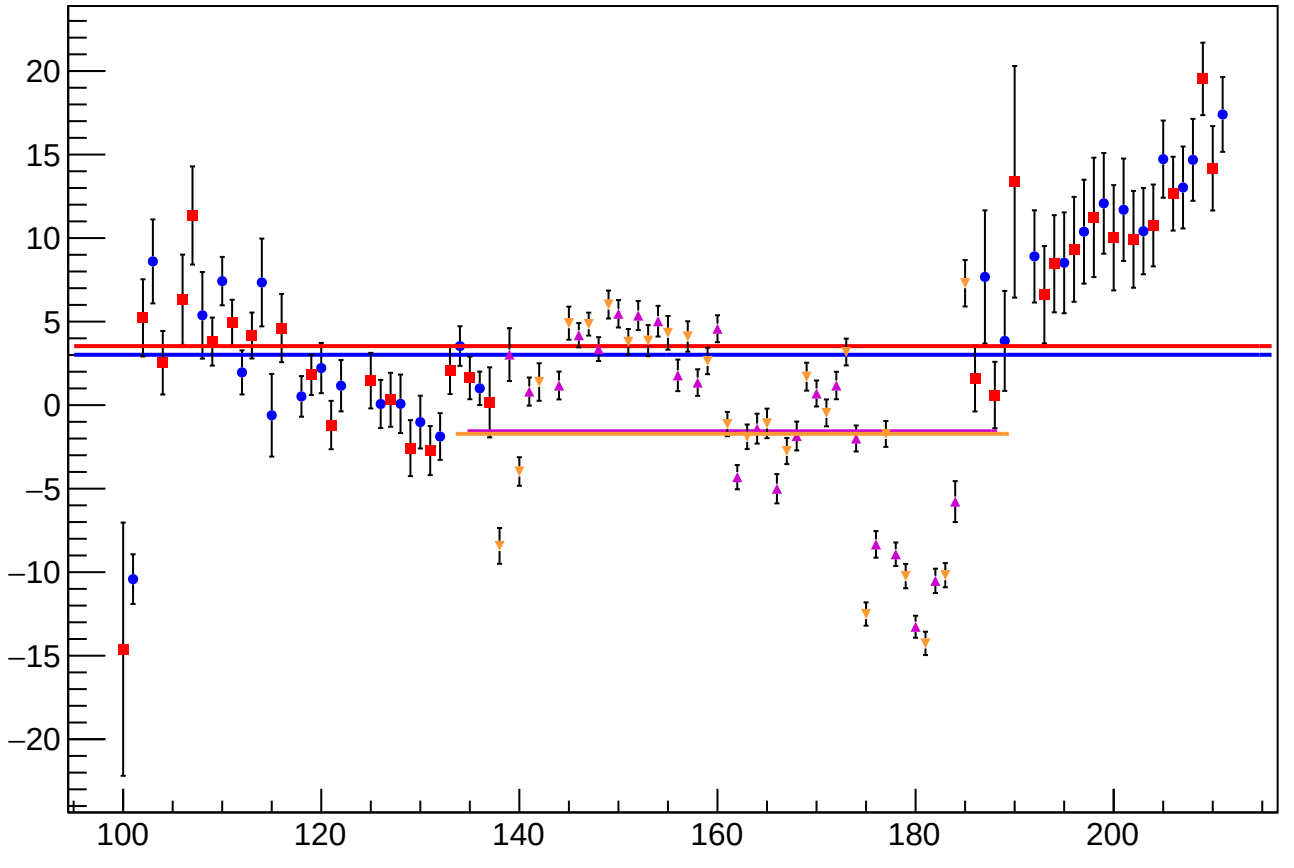
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

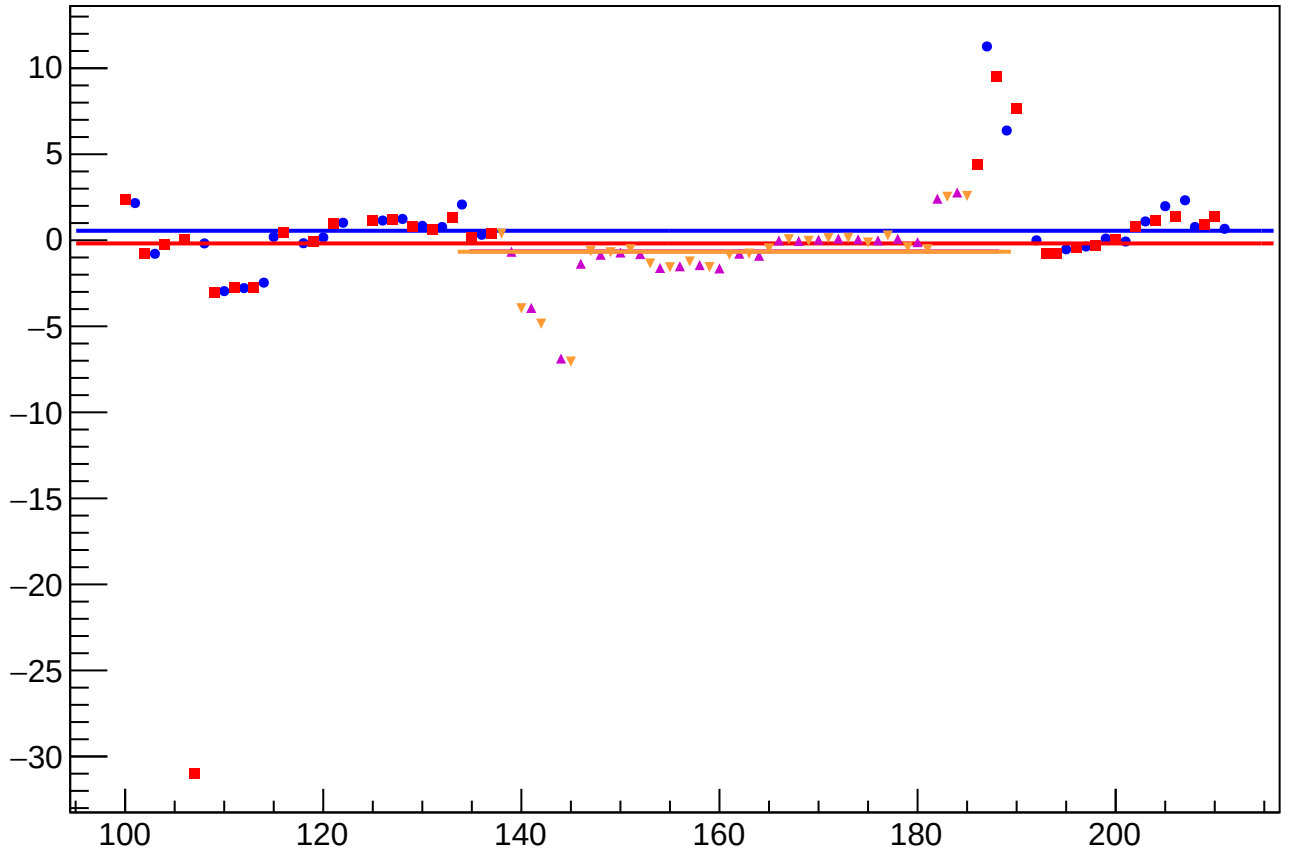
Right: -68.703+/-0.192 χ^2/NDF: 4925.8/58

In: -54.024+/-0.159 χ^2/NDF:7051.6/50

Out: -54.875+/-0.155 χ^2/NDF:12176.9/54

All: -54.460+/-0.111 χ^2/NDF: 19243.2/105


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 3.014+/-0.339 χ²/NDF: 284.4/27
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 3.533+/-0.343 χ²/NDF: 195.9/30
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 3.270+/-0.241 χ²/NDF: 481.4/58
In: -0.641+/-0.152 χ²/NDF:1547.6/50
Out: -0.705+/-0.151 χ²/NDF:1790.9/54
All: -0.673+/-0.107 χ²/NDF: 3338.6/105



Right In: 0.553+/-0.017 χ^2/NDF: 10287.0/27

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.184+/-0.017 χ^2/NDF: 61047.9/30

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

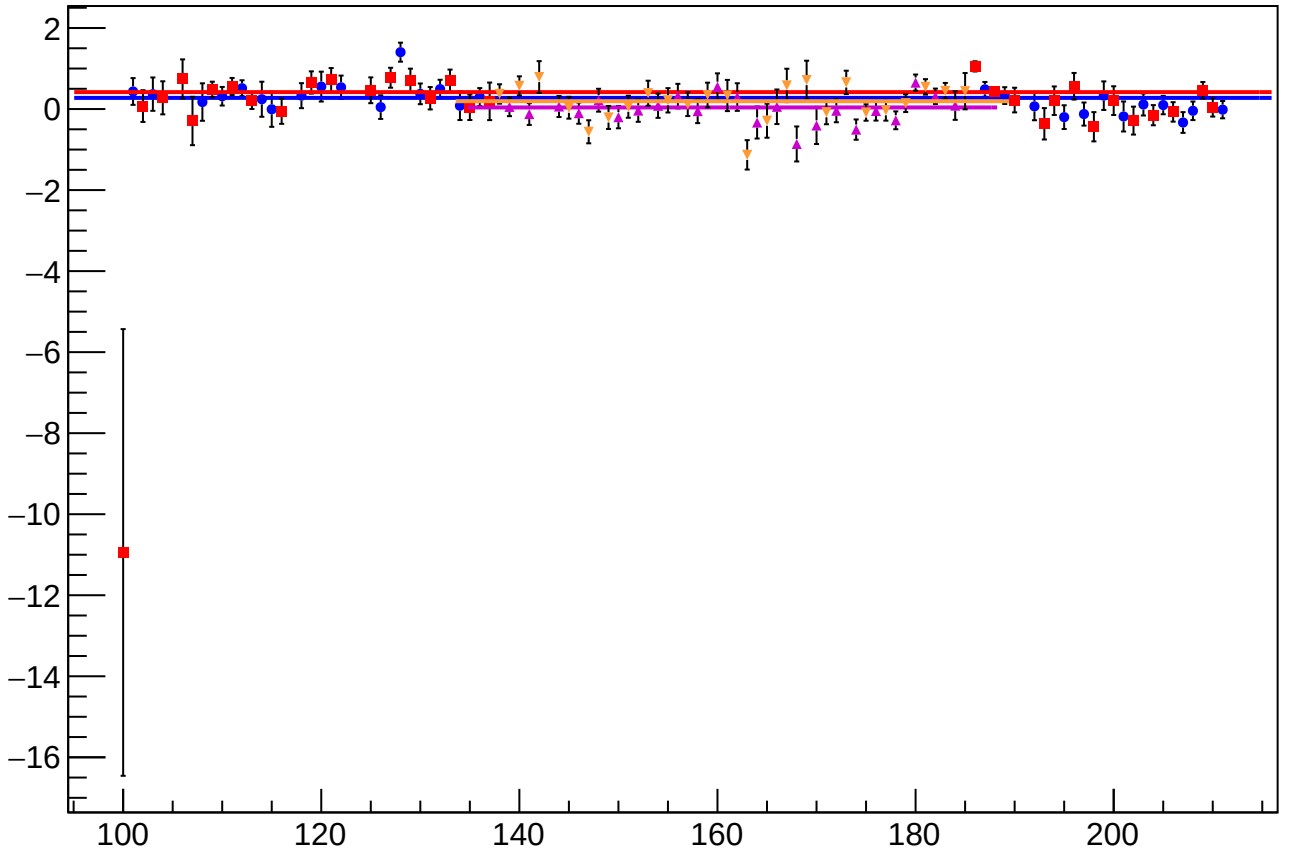
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.191+/-0.012 χ^2/NDF: 72250.7/58

In: -0.450+/-0.007 χ^2/NDF:59986.8/50

Out: -0.590+/-0.007 χ^2/NDF:116971.8/54

All: -0.520+/-0.005 χ^2/NDF: 177164.5/105



Right In: 0.276+/-0.051 χ^2/NDF: 47.1/27

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.418+/-0.045 χ^2/NDF: 71.2/30

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

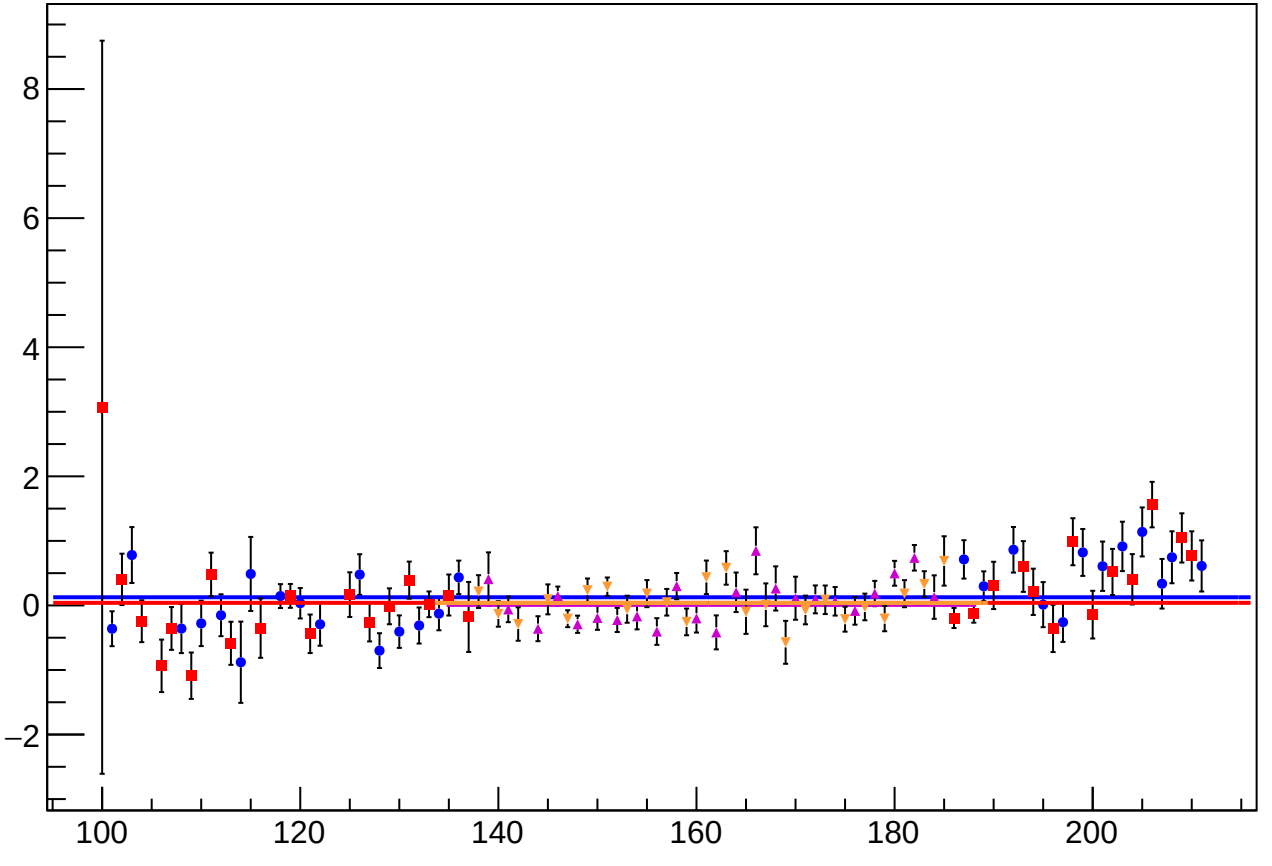
Right: 0.355+/-0.034 χ^2/NDF: 122.7/58

In: 0.172+/-0.038 χ^2/NDF:87.1/50

Out: 0.332+/-0.035 χ^2/NDF:125.0/54

All: 0.258+/-0.026 χ^2/NDF: 221.5/105

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.127+/-0.059 χ^2/NDF: 65.1/27

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.040+/-0.053 χ^2/NDF: 77.1/30

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

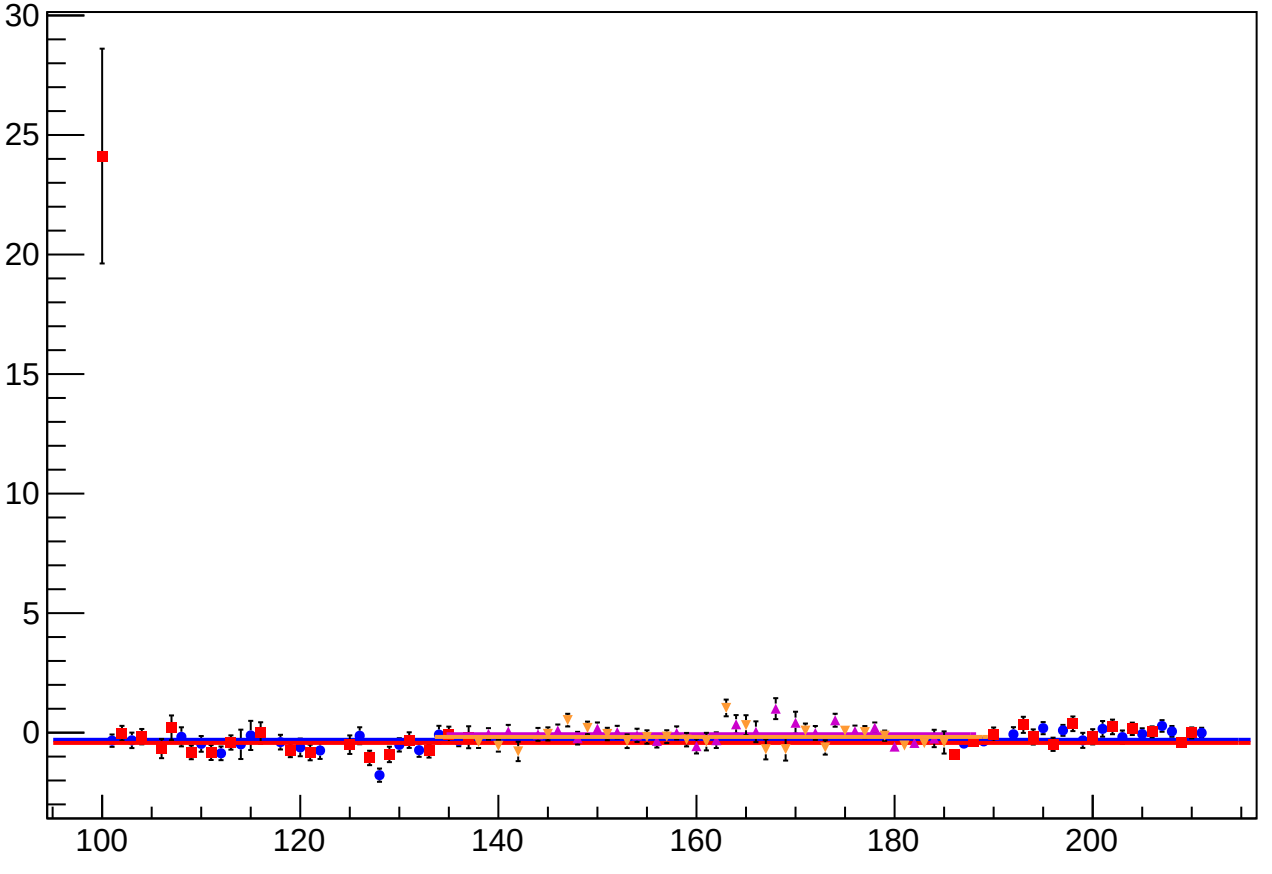
Right: 0.079+/-0.039 χ^2/NDF: 143.4/58

In: 0.051+/-0.035 χ^2/NDF:119.1/50

Out: 0.039+/-0.034 χ^2/NDF:109.9/54

All: 0.045+/-0.024 χ^2/NDF: 229.0/105

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.298+/-0.051 χ^2/NDF: 60.6/27

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.428+/-0.043 χ^2/NDF: 104.2/30

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

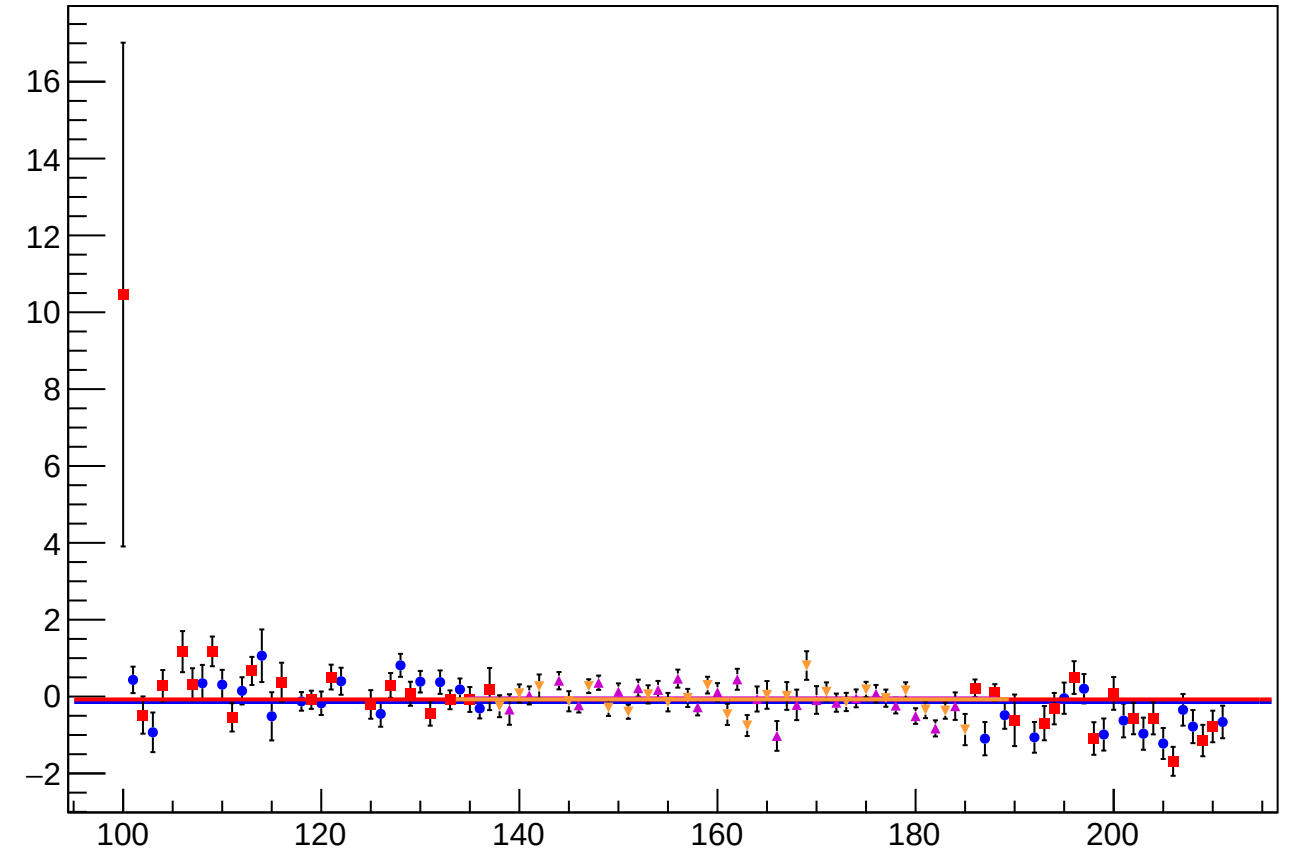
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.374+/-0.033 χ^2/NDF: 168.6/58

In: -0.195+/-0.038 χ^2/NDF:101.3/50

Out: -0.336+/-0.034 χ^2/NDF:158.8/54

All: -0.273+/-0.025 χ^2/NDF: 267.8/105



Right In: -0.141+/-0.068 χ^2/NDF: 65.5/27

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.075+/-0.065 χ^2/NDF: 77.6/30

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

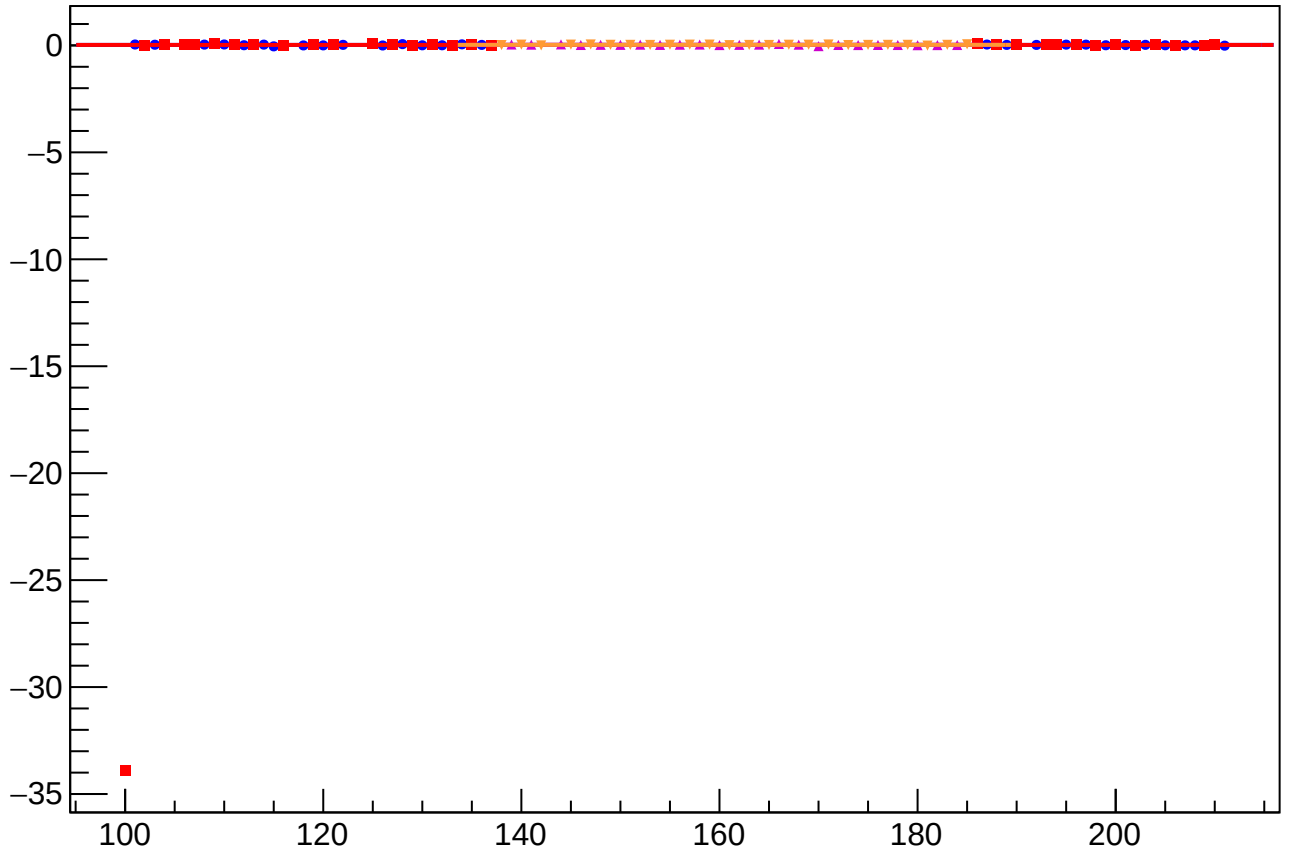
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

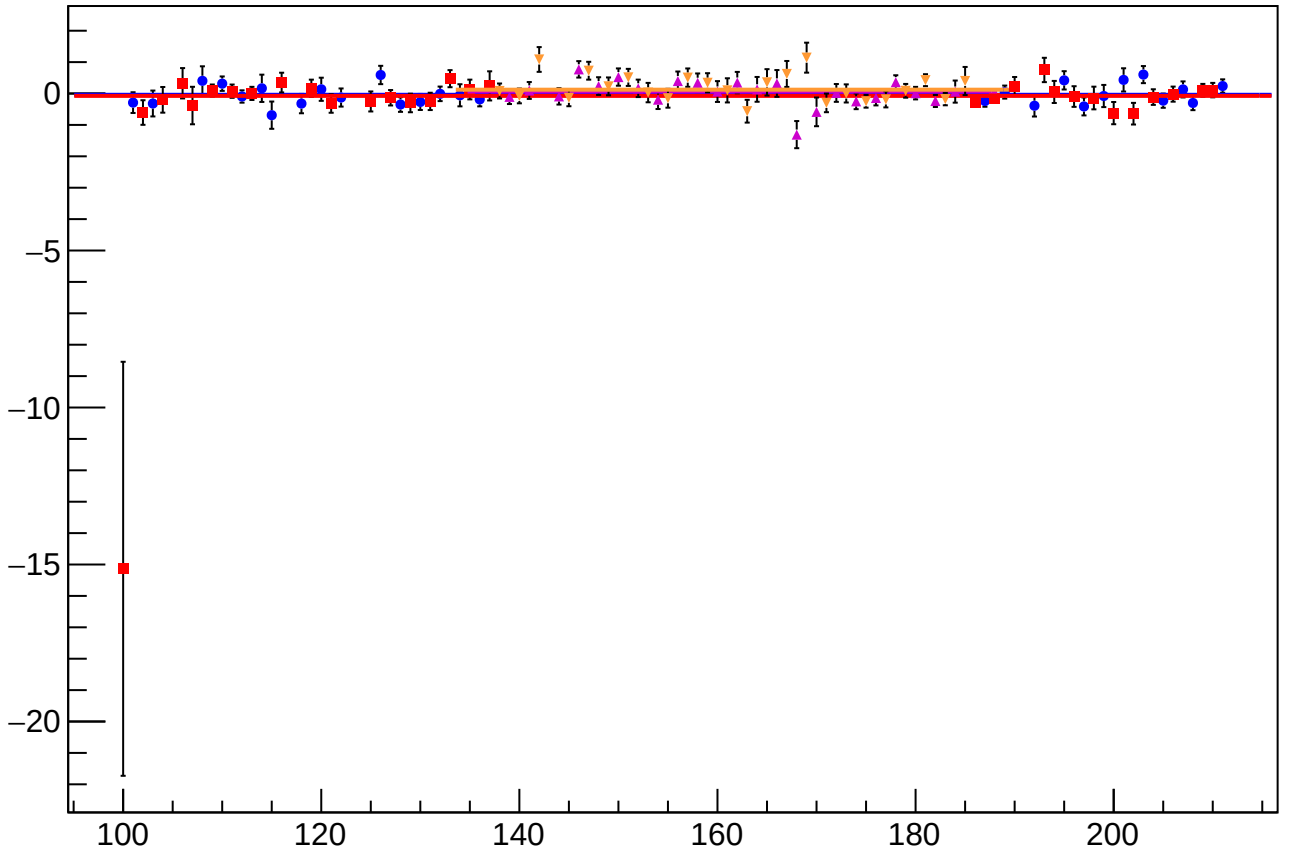
Right: -0.106+/-0.047 χ^2/NDF: 143.6/58

In: -0.080+/-0.040 χ^2/NDF:117.2/50

Out: -0.073+/-0.039 χ^2/NDF:115.3/54

All: -0.076+/-0.028 χ^2/NDF: 232.5/105


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
Right In: 0.022+/-0.003 χ²/NDF: 26.8/27
Left Out: 0.026+/-0.002 χ²/NDF:31.4/23
Right Out: 0.022+/-0.003 χ²/NDF: 22315.7/30
Left In: 0.026+/-0.002 χ²/NDF:39.5/22
Left: 0.026+/-0.002 χ²/NDF: 70.9/46
Right: 0.022+/-0.002 χ²/NDF: 22342.5/58
In: 0.025+/-0.002 χ²/NDF:67.3/50
Out: 0.025+/-0.002 χ²/NDF:22348.3/54
All: 0.025+/-0.001 χ²/NDF: 22415.5/105



Right In: -0.041+/-0.051 χ^2/NDF: 33.6/27

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.075+/-0.045 χ^2/NDF: 35.1/30

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

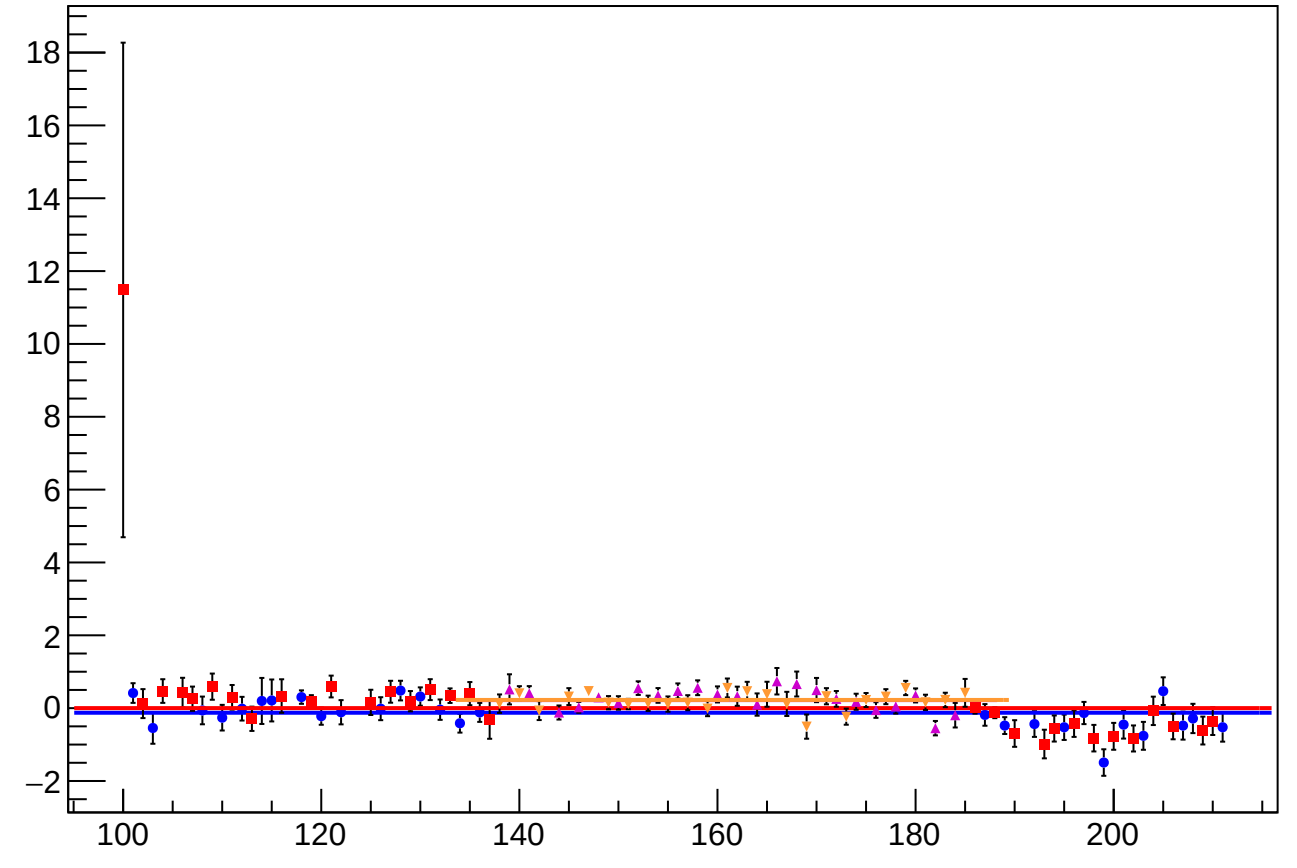
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.060+/-0.034 χ^2/NDF: 69.0/58

In: 0.005+/-0.038 χ^2/NDF:69.7/50

Out: 0.001+/-0.035 χ^2/NDF:82.2/54

All: 0.003+/-0.026 χ^2/NDF: 151.9/105



Right In: -0.126+/-0.059 χ^2/NDF: 47.6/27

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.001+/-0.053 χ^2/NDF: 62.0/30

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

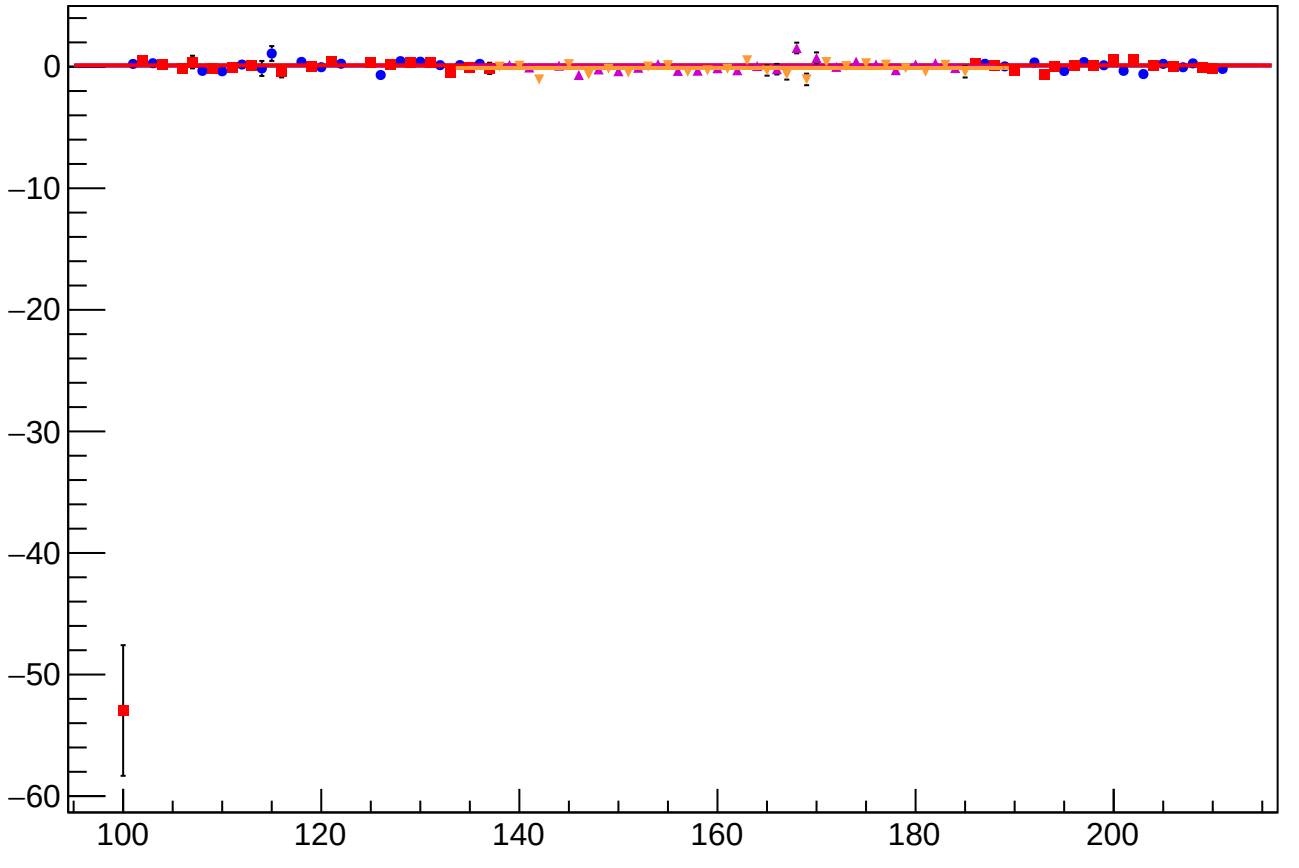
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.057+/-0.039 χ^2/NDF: 112.2/58

In: 0.095+/-0.035 χ^2/NDF:109.3/50

Out: 0.136+/-0.034 χ^2/NDF:96.8/54

All: 0.117+/-0.024 χ^2/NDF: 206.8/105



Right In: 0.093+/-0.051 χ^2/NDF: 33.9/27

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.113+/-0.043 χ^2/NDF: 124.4/30

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

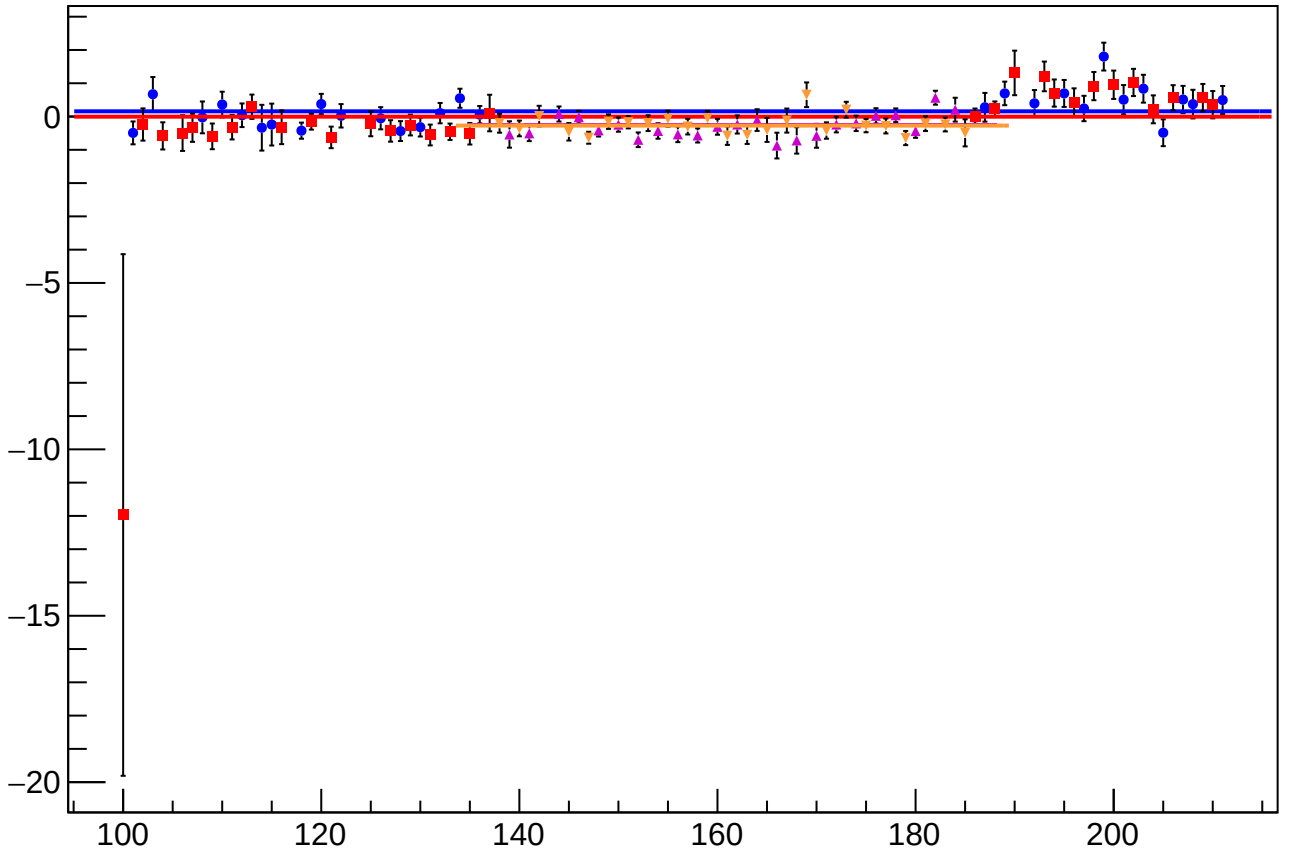
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.105+/-0.033 χ^2/NDF: 158.4/58

In: 0.048+/-0.038 χ^2/NDF:73.6/50

Out: 0.033+/-0.034 χ^2/NDF:171.5/54

All: 0.040+/-0.025 χ^2/NDF: 245.3/105



Right In: 0.157+/-0.068 χ^2/NDF: 49.2/27

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.004+/-0.065 χ^2/NDF: 63.8/30

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

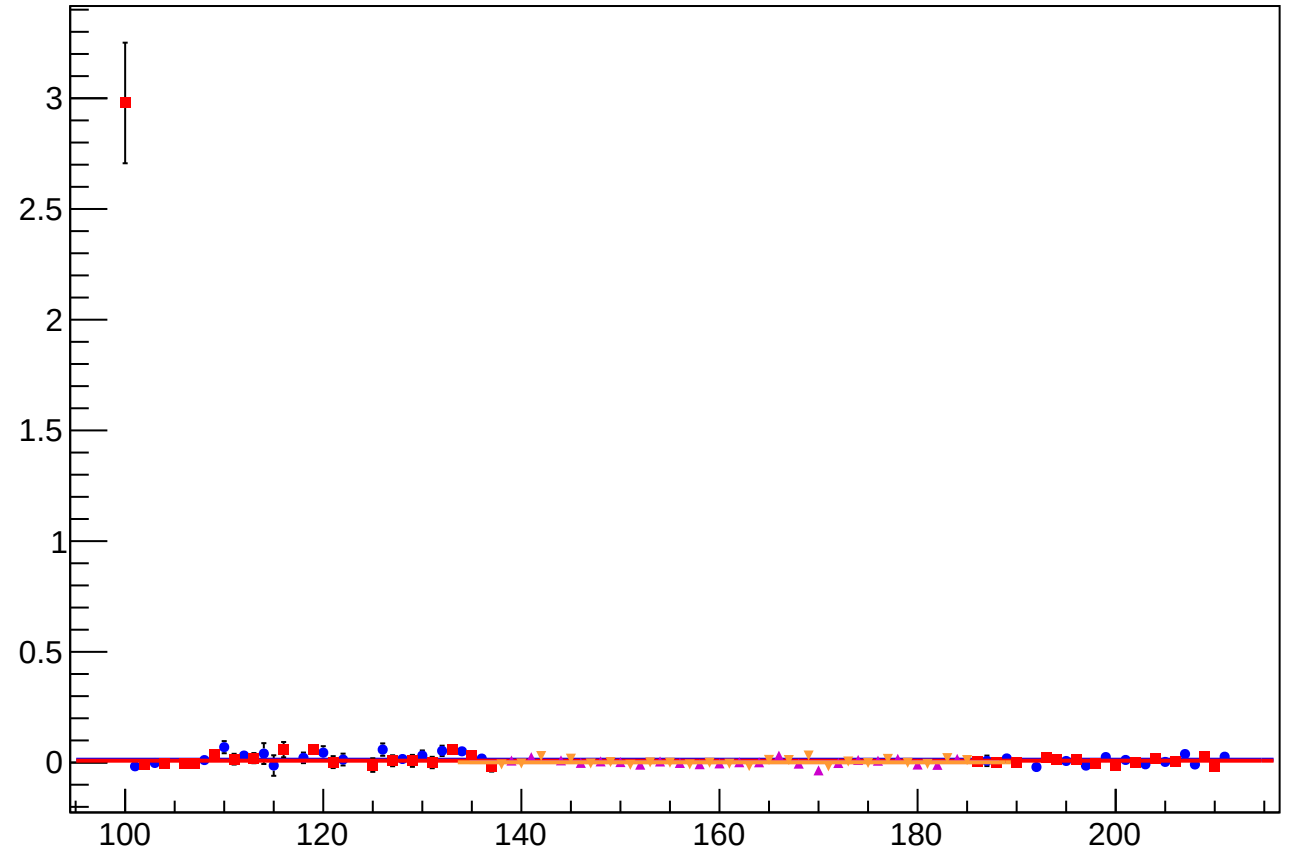
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.072+/-0.047 χ^2/NDF: 115.9/58

In: -0.110+/-0.040 χ^2/NDF:113.2/50

Out: -0.174+/-0.039 χ^2/NDF:99.5/54

All: -0.143+/-0.028 χ^2/NDF: 214.0/105



Right In: 0.013+/-0.003 χ^2/NDF: 44.8/27

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 152.3/30

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

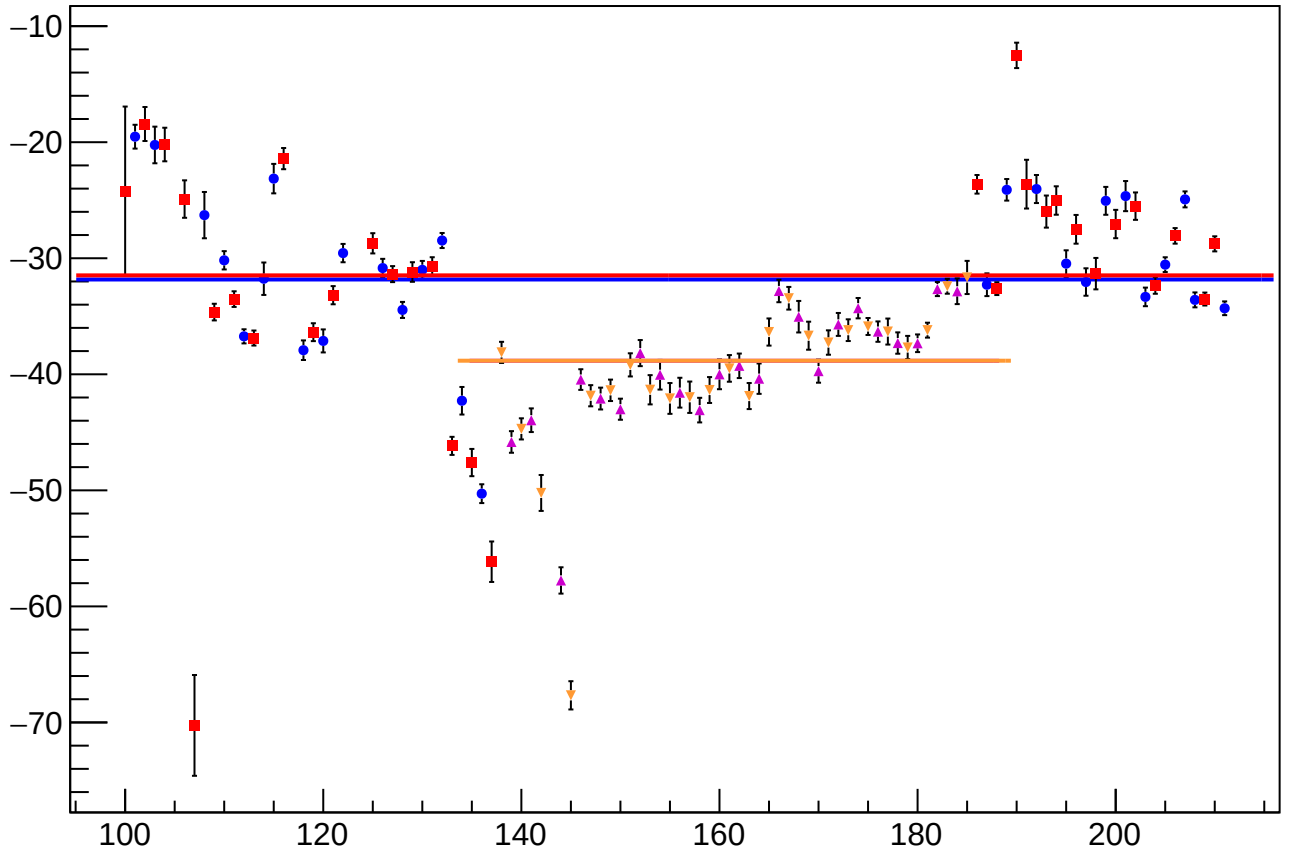
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 198.1/58

In: 0.006+/-0.002 χ^2/NDF:76.9/50

Out: 0.004+/-0.002 χ^2/NDF:182.8/54

All: 0.005+/-0.001 χ^2/NDF: 260.3/105



Right In: -31.830+/-0.162 χ^2/NDF: 1358.6/27

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.475+/-0.156 χ^2/NDF: 1823.1/31

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

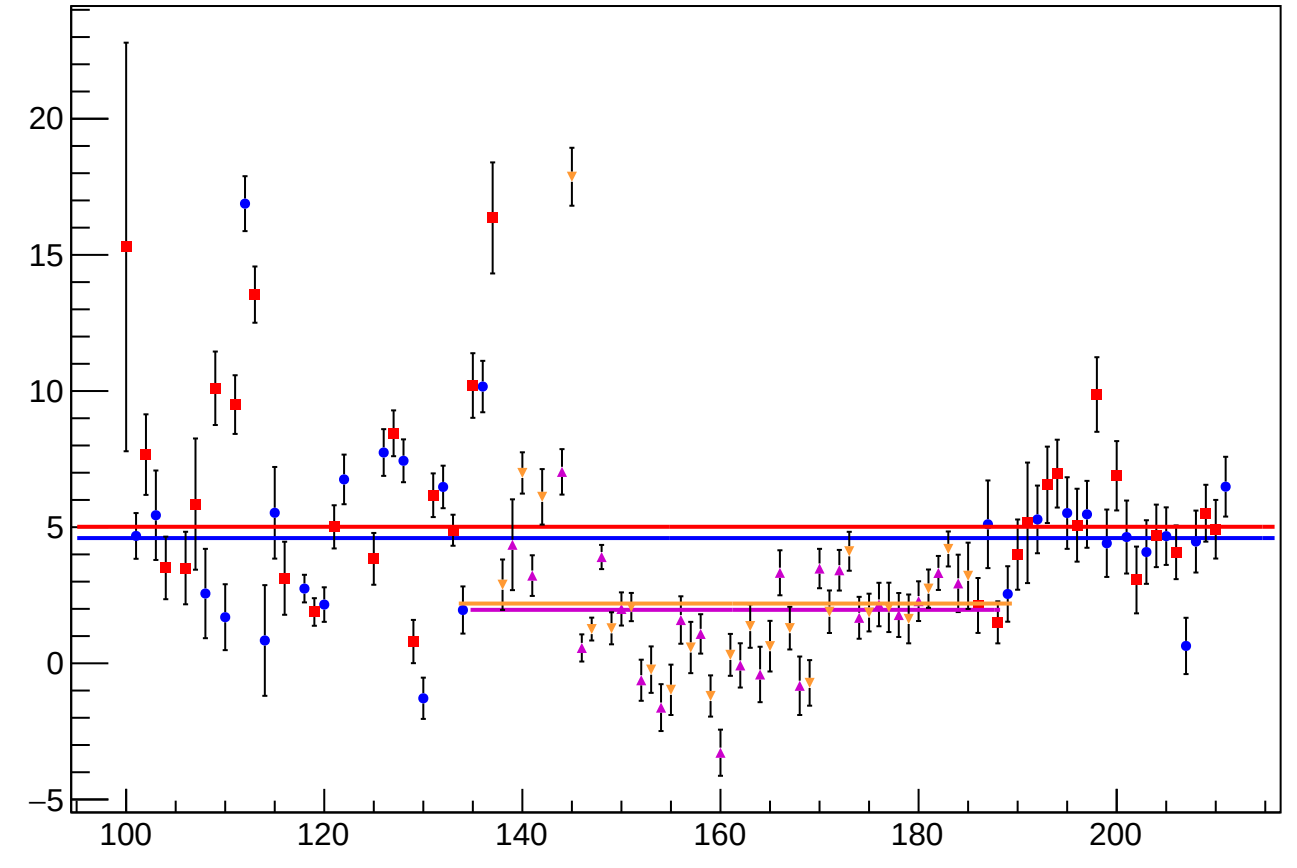
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.646+/-0.112 χ^2/NDF: 3184.2/59

In: -34.550+/-0.127 χ^2/NDF:2738.1/50

Out: -34.220+/-0.123 χ^2/NDF:3570.3/55

All: -34.381+/-0.088 χ^2/NDF: 6311.9/106



Right In: 4.600+/-0.184 χ^2/NDF: 353.3/27

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.014+/-0.181 χ^2/NDF: 298.3/31

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

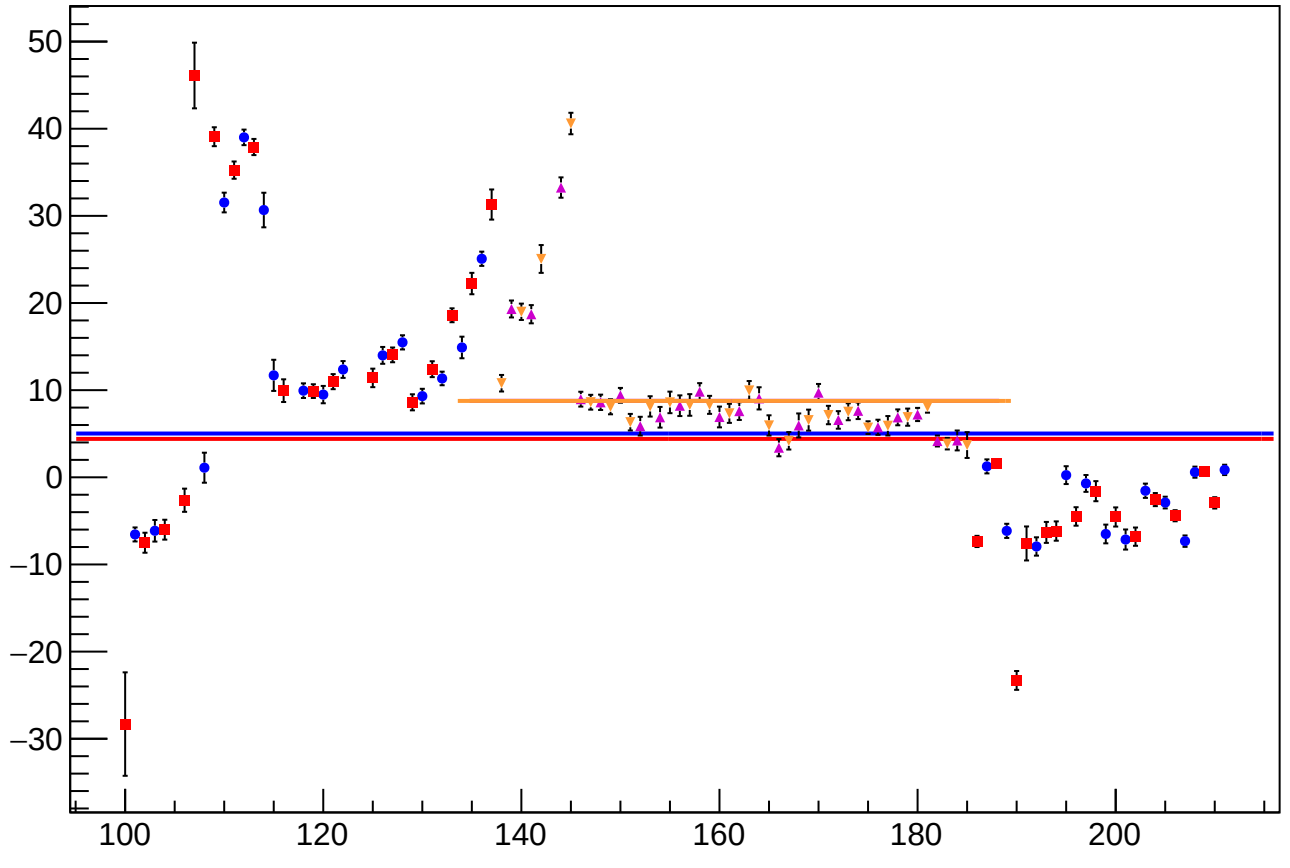
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.811+/-0.129 χ^2/NDF: 654.1/59

In: 3.053+/-0.119 χ^2/NDF:646.5/50

Out: 3.364+/-0.116 χ^2/NDF:805.7/55

All: 3.212+/-0.083 χ^2/NDF: 1455.7/106



Right In: 5.024+/-0.168 χ^2/NDF: 4900.4/27

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 4.408+/-0.160 χ^2/NDF: 6798.8/31

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

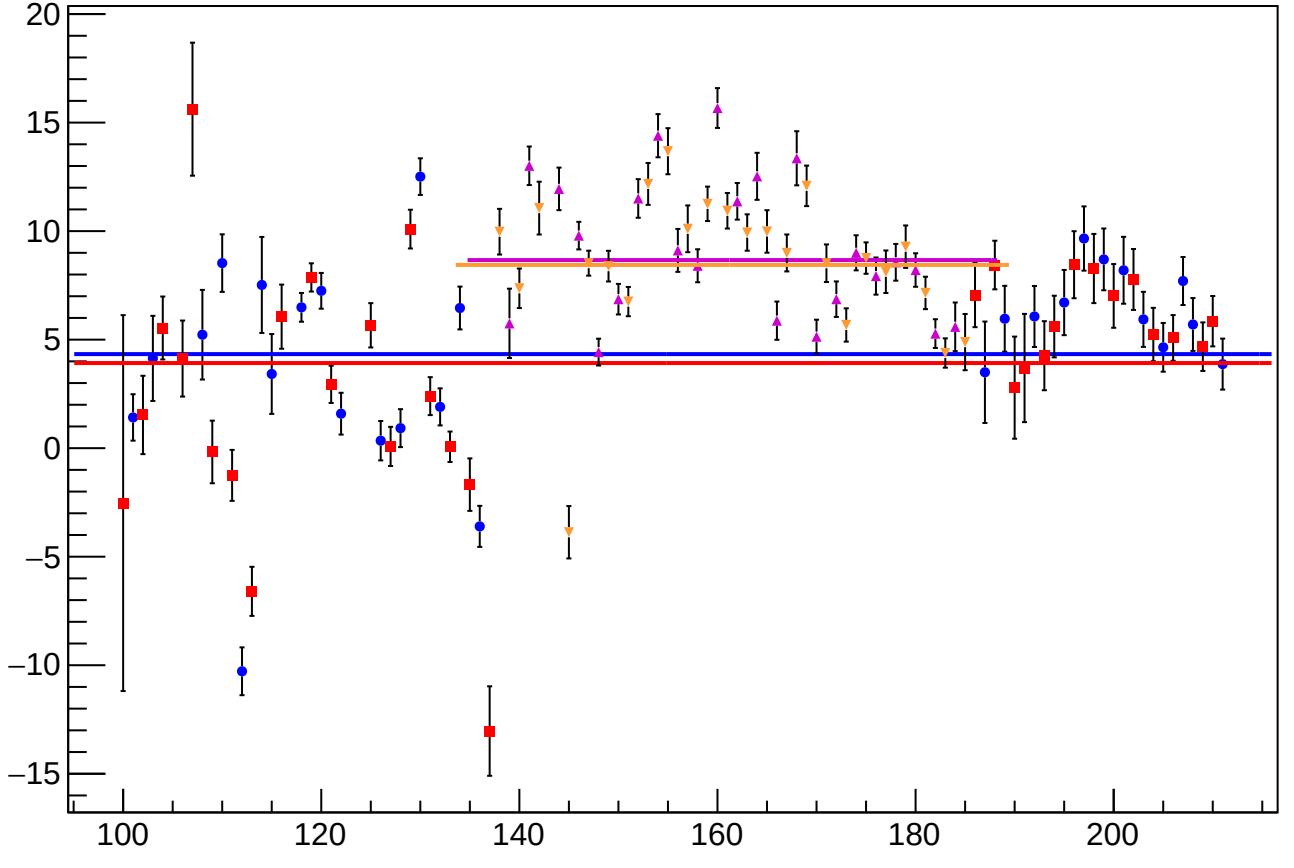
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

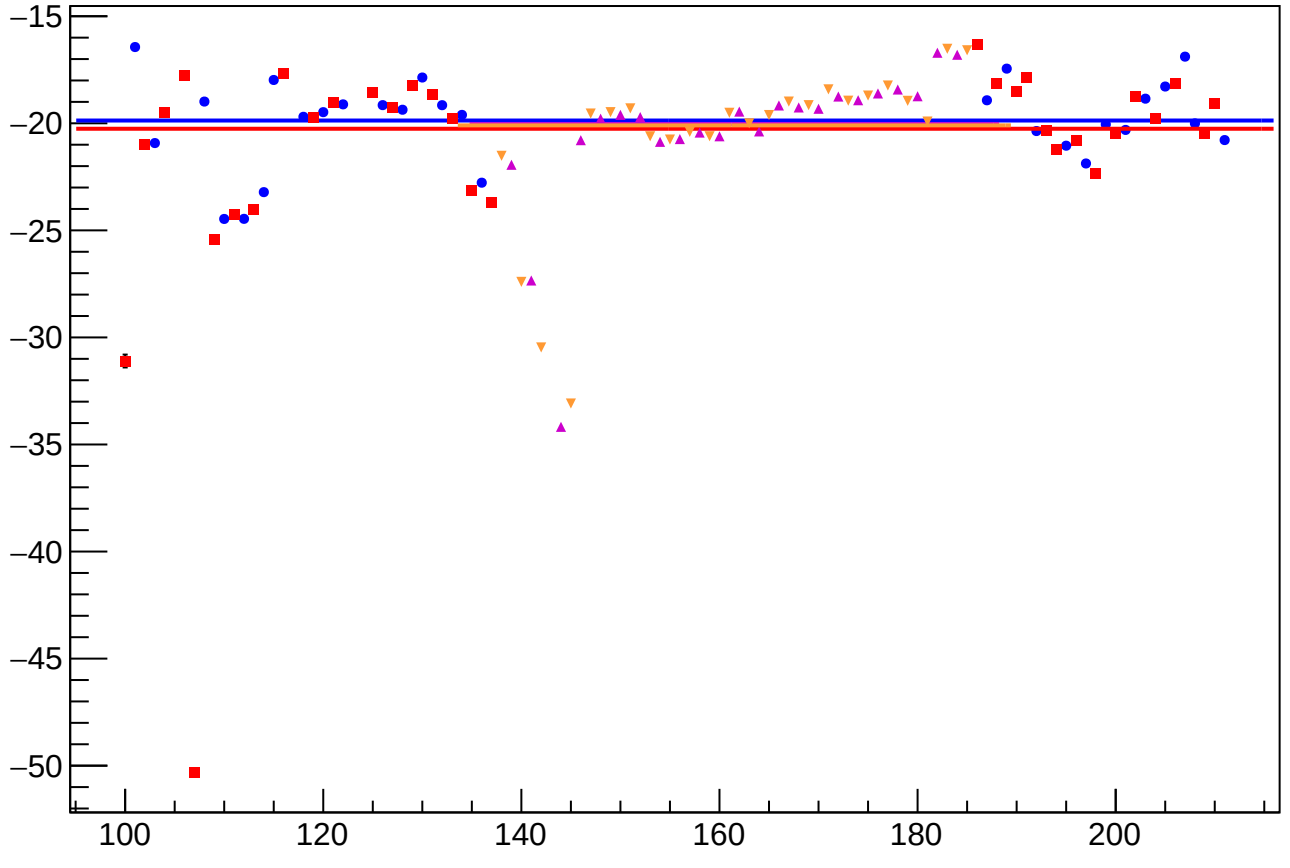
Right: 4.700+/-0.116 χ^2/NDF: 11706.2/59

In: 6.563+/-0.129 χ^2/NDF:5899.6/50

Out: 6.100+/-0.125 χ^2/NDF:8123.2/55

All: 6.324+/-0.090 χ^2/NDF: 14029.5/106


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 4.334+/-0.213 χ²/NDF: 485.3/27
Left Out: 8.442+/-0.174 χ²/NDF:264.2/23
Right Out: 3.922+/-0.211 χ²/NDF: 419.7/31
Left In: 8.666+/-0.176 χ²/NDF:304.8/22
Left: 8.553+/-0.123 χ²/NDF: 569.8/46
Right: 4.126+/-0.150 χ²/NDF: 906.9/59
In: 6.909+/-0.135 χ²/NDF:1036.8/50
Out: 6.617+/-0.134 χ²/NDF:957.9/55
All: 6.762+/-0.095 χ²/NDF: 1997.0/106



Right In: -19.870+/-0.011 χ^2/NDF: 31295.2/27

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.255+/-0.010 χ^2/NDF: 72032.9/31

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

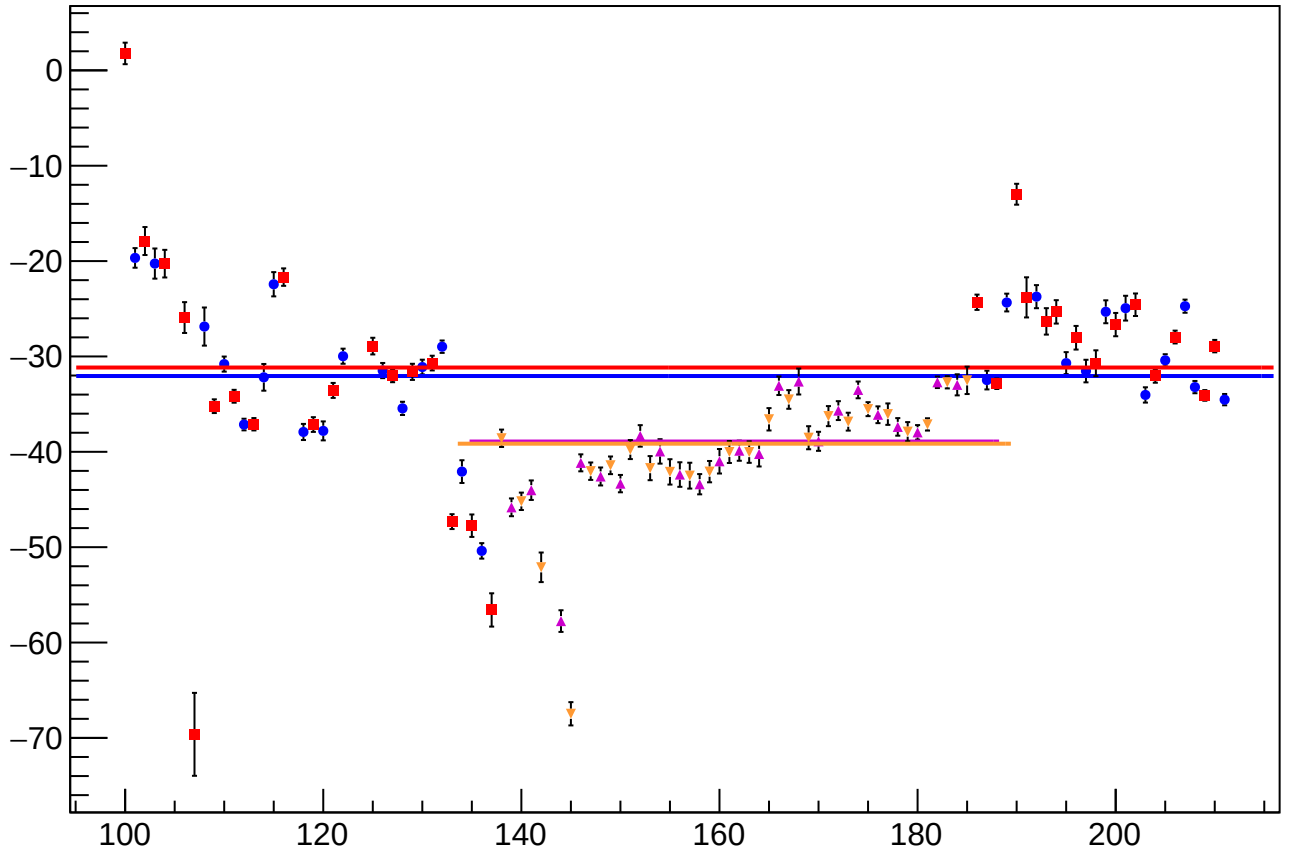
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

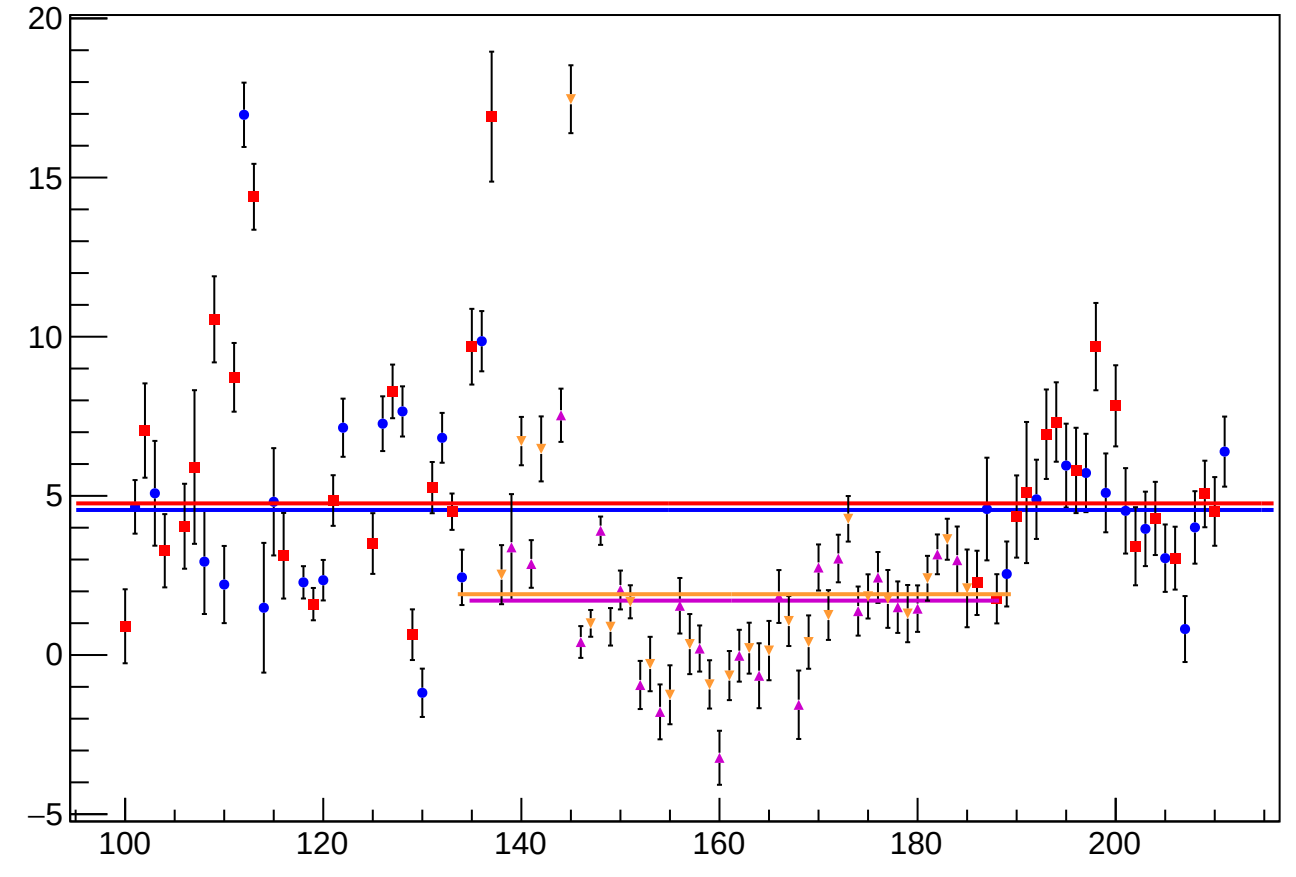
Right: -20.067+/-0.007 χ^2/NDF: 104000.5/59

In: -19.978+/-0.006 χ^2/NDF:163746.8/50

Out: -20.154+/-0.006 χ^2/NDF:231474.1/55

All: -20.067+/-0.004 χ^2/NDF: 395612.5/106


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -32.052+/-0.162 χ²/NDF: 1379.4/27
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.161+/-0.155 χ²/NDF: 2758.8/31
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.586+/-0.112 χ²/NDF: 4154.1/59
In: -34.719+/-0.127 χ²/NDF:2759.0/50
Out: -34.107+/-0.123 χ²/NDF:4639.9/55
All: -34.403+/-0.088 χ²/NDF: 7410.9/106



Right In: 4.557+/-0.185 χ^2/NDF: 351.0/27

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.764+/-0.179 χ^2/NDF: 325.1/31

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

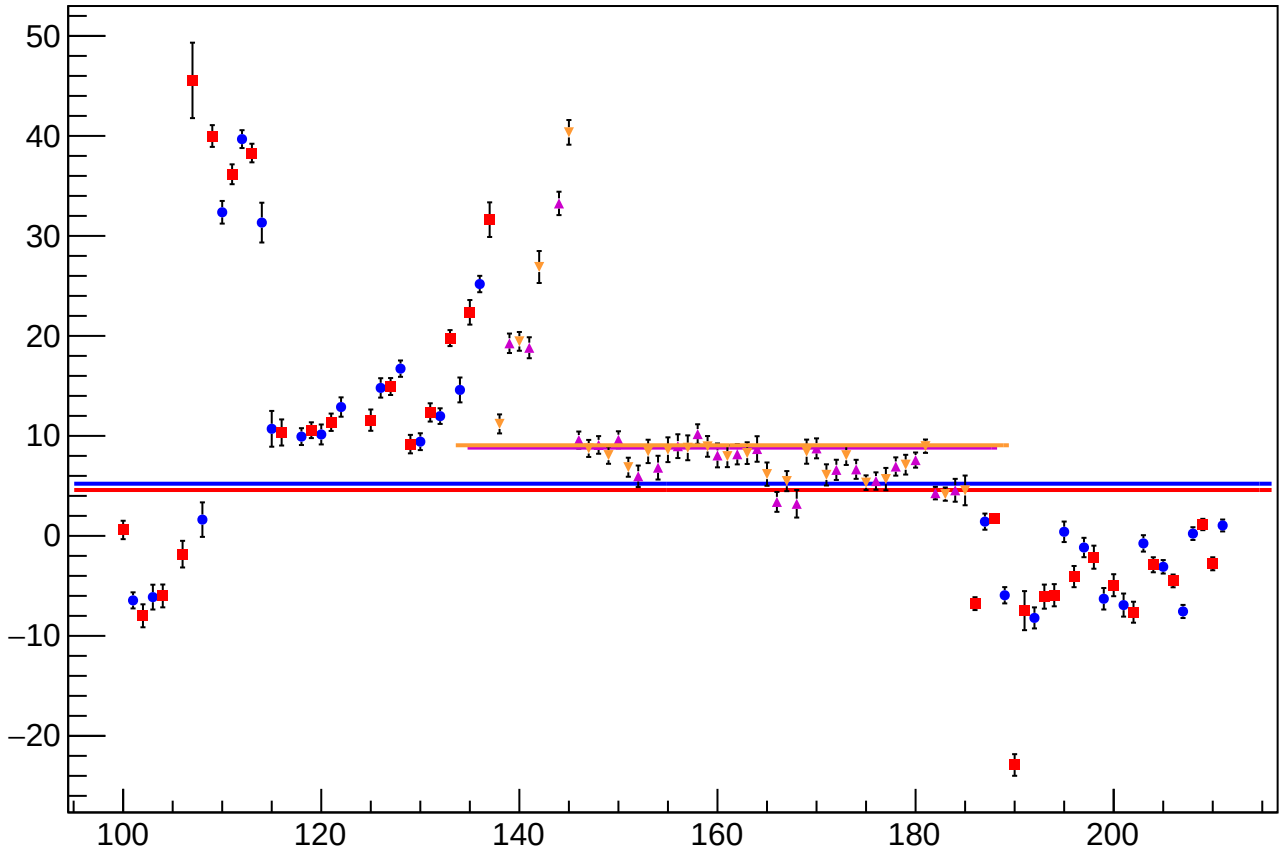
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.663+/-0.129 χ^2/NDF: 676.7/59

In: 2.886+/-0.119 χ^2/NDF:673.0/50

Out: 3.110+/-0.116 χ^2/NDF:831.7/55

All: 3.000+/-0.083 χ^2/NDF: 1506.5/106



Right In: 5.217+/-0.168 χ^2/NDF: 5065.0/27

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 4.587+/-0.158 χ^2/NDF: 6973.8/31

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

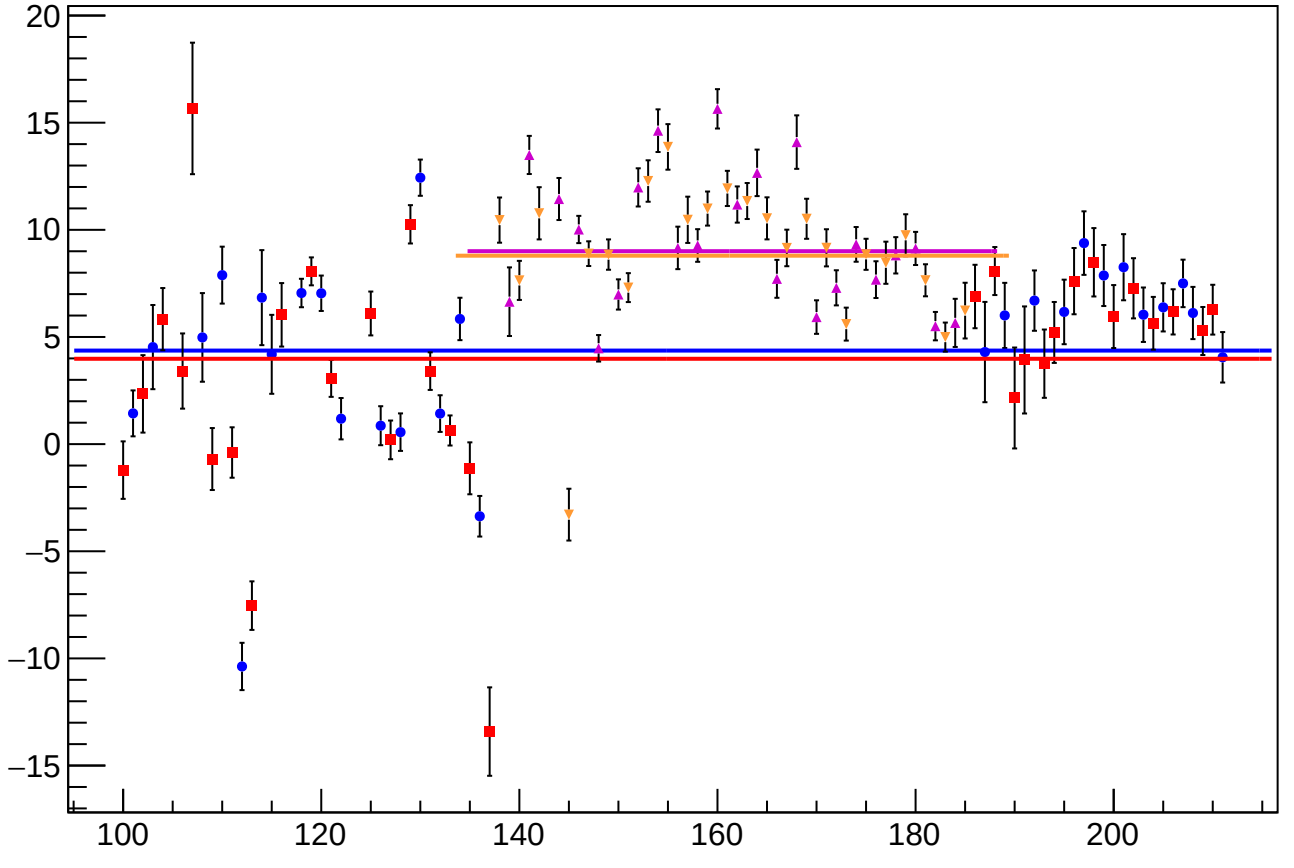
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 4.881+/-0.115 χ^2/NDF: 12046.3/59

In: 6.699+/-0.129 χ^2/NDF:6054.8/50

Out: 6.293+/-0.124 χ^2/NDF:8314.3/55

All: 6.487+/-0.090 χ^2/NDF: 14374.2/106



Right In: 4.366+/-0.213 χ^2/NDF: 481.8/27

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.982+/-0.209 χ^2/NDF: 435.7/31

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

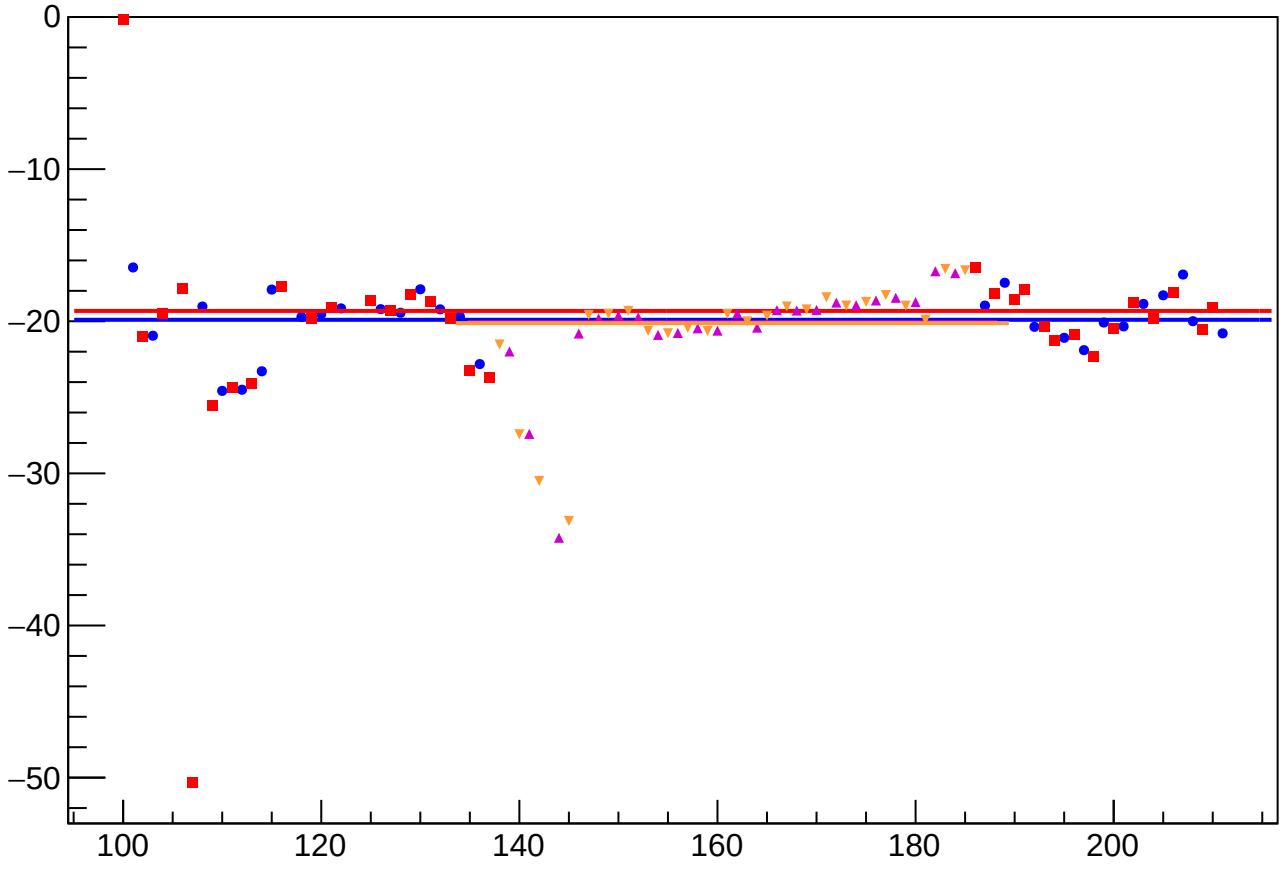
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.170+/-0.149 χ^2/NDF: 919.1/59

In: 7.123+/-0.136 χ^2/NDF:1053.0/50

Out: 6.823+/-0.134 χ^2/NDF:993.2/55

All: 6.971+/-0.095 χ^2/NDF: 2048.7/106



Right In: -19.904+/-0.011 χ^2/NDF: 31293.1/27

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.321+/-0.010 χ^2/NDF: 248092.1/31

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

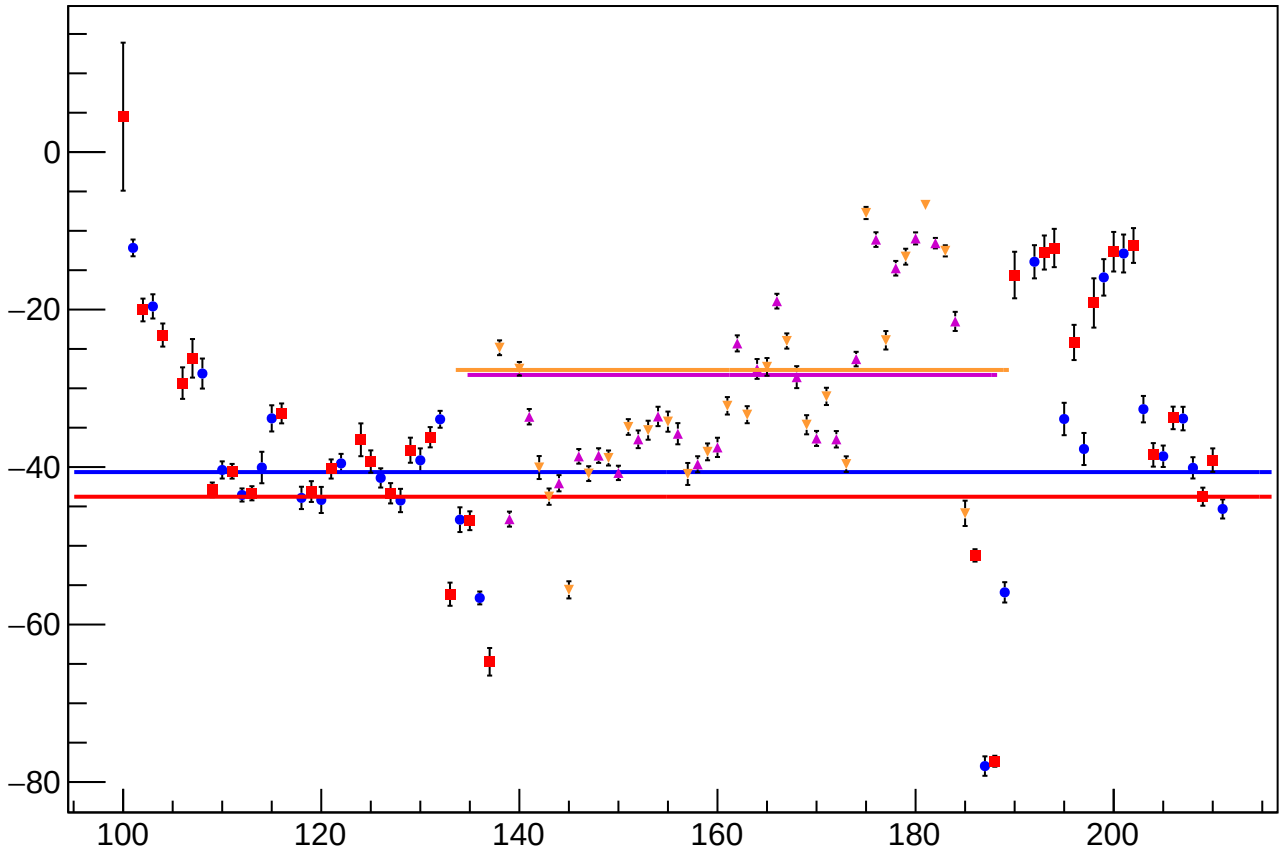
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.599+/-0.007 χ^2/NDF: 280957.1/59

In: -20.006+/-0.006 χ^2/NDF:164128.2/50

Out: -19.819+/-0.006 χ^2/NDF:410546.6/55

All: -19.911+/-0.004 χ^2/NDF: 575116.6/106



Right In: -40.638+/-0.256 χ^2/NDF: 2965.7/27

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.769+/-0.238 χ^2/NDF: 4435.3/31

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

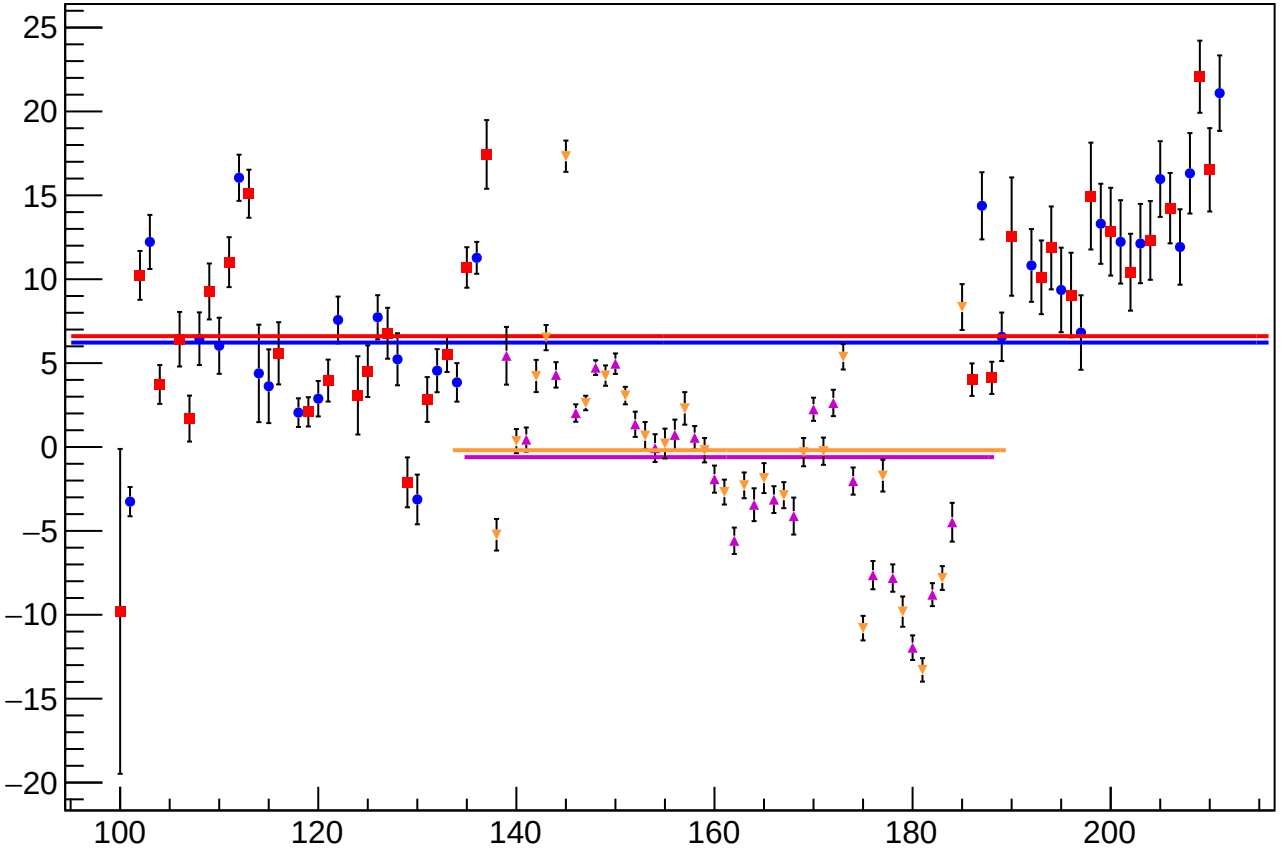
Right: -42.315+/-0.174 χ^2/NDF: 7481.1/59

In: -33.143+/-0.160 χ^2/NDF:7649.3/50

Out: -34.337+/-0.153 χ^2/NDF:11504.3/56

All: -33.766+/-0.111 χ^2/NDF: 19182.5/107

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.224+/-0.282 χ^2/NDF: 425.8/27

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.606+/-0.272 χ^2/NDF: 319.9/31

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

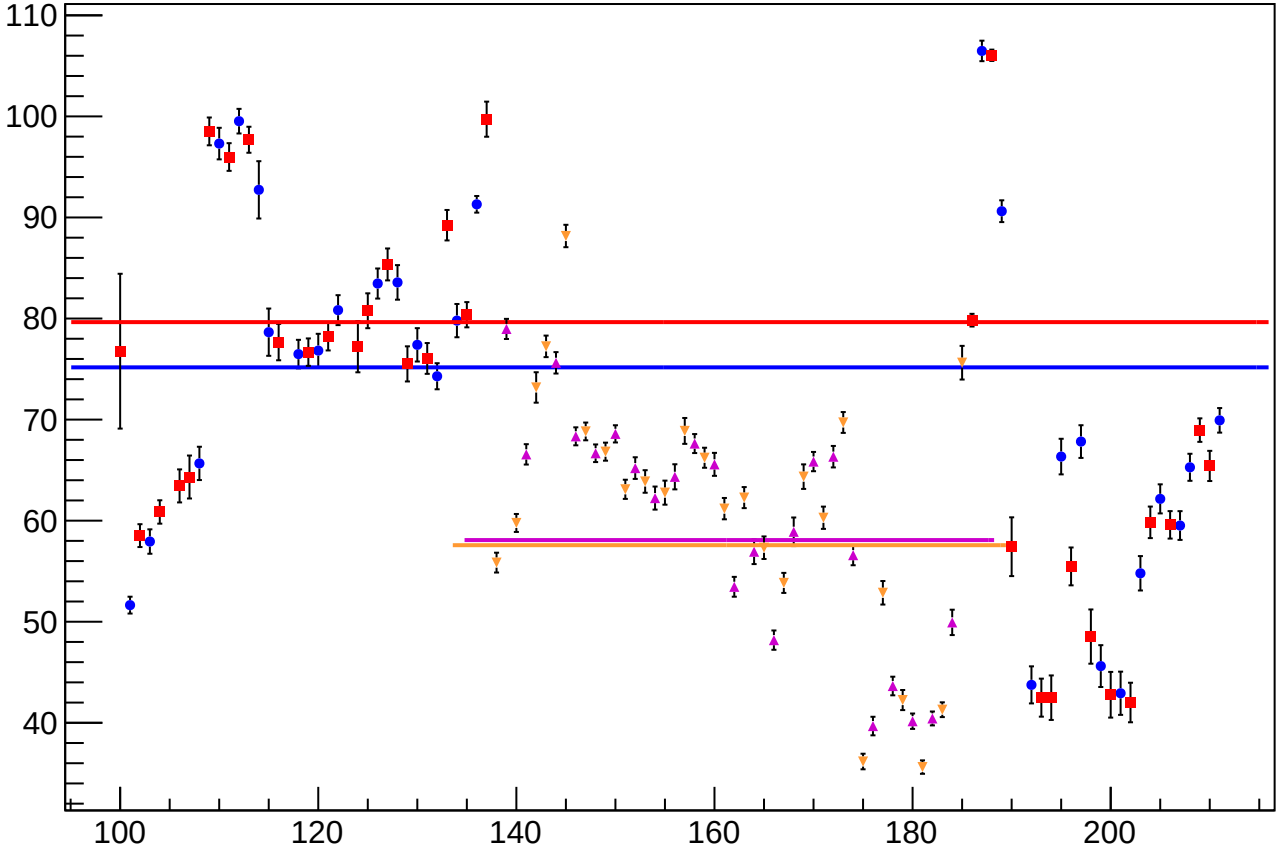
Right: 6.422+/-0.196 χ^2/NDF: 746.7/59

In: 0.985+/-0.136 χ^2/NDF:1851.3/50

Out: 1.395+/-0.131 χ^2/NDF:2344.1/56

All: 1.197+/-0.094 χ^2/NDF: 4200.2/107

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.169+/-0.261 χ^2/NDF: 4491.6/27

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.645+/-0.238 χ^2/NDF: 5955.5/31

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

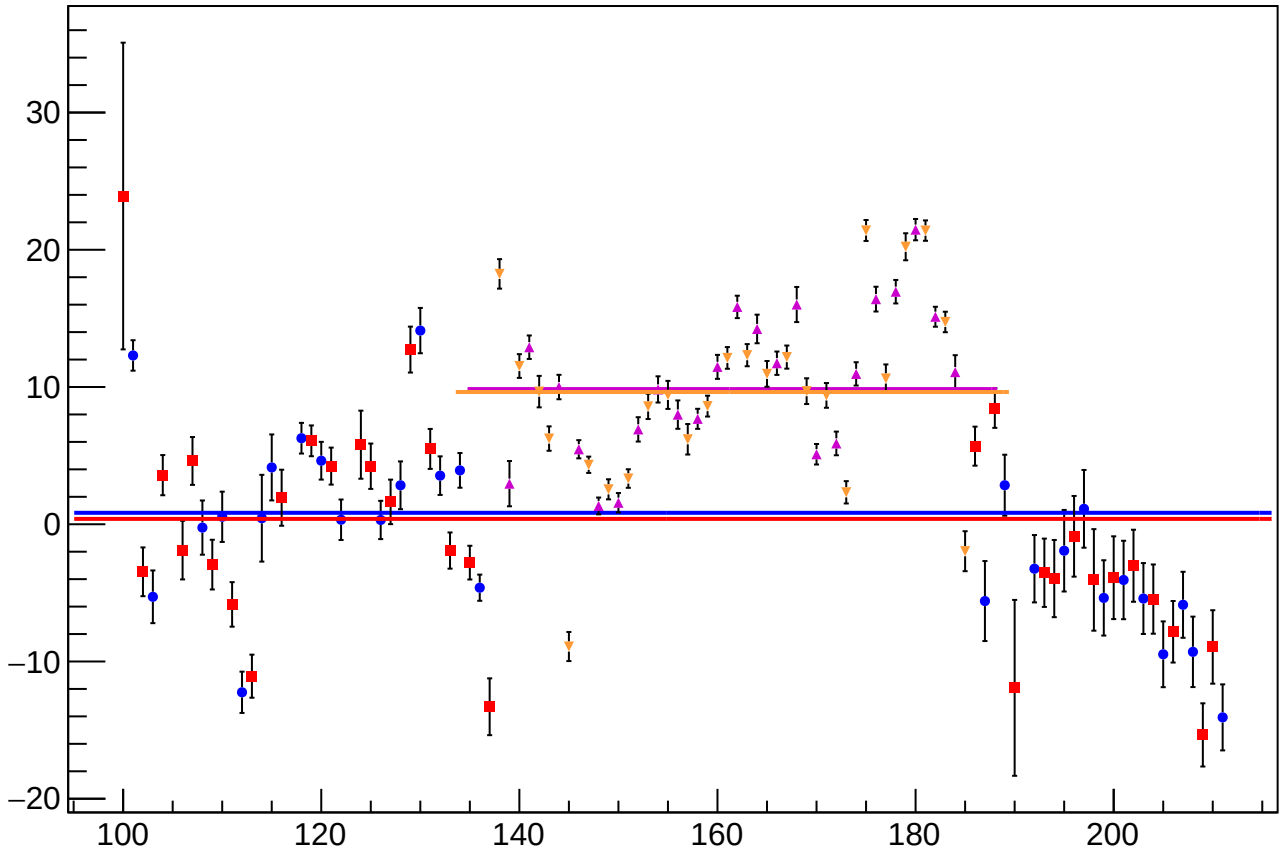
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

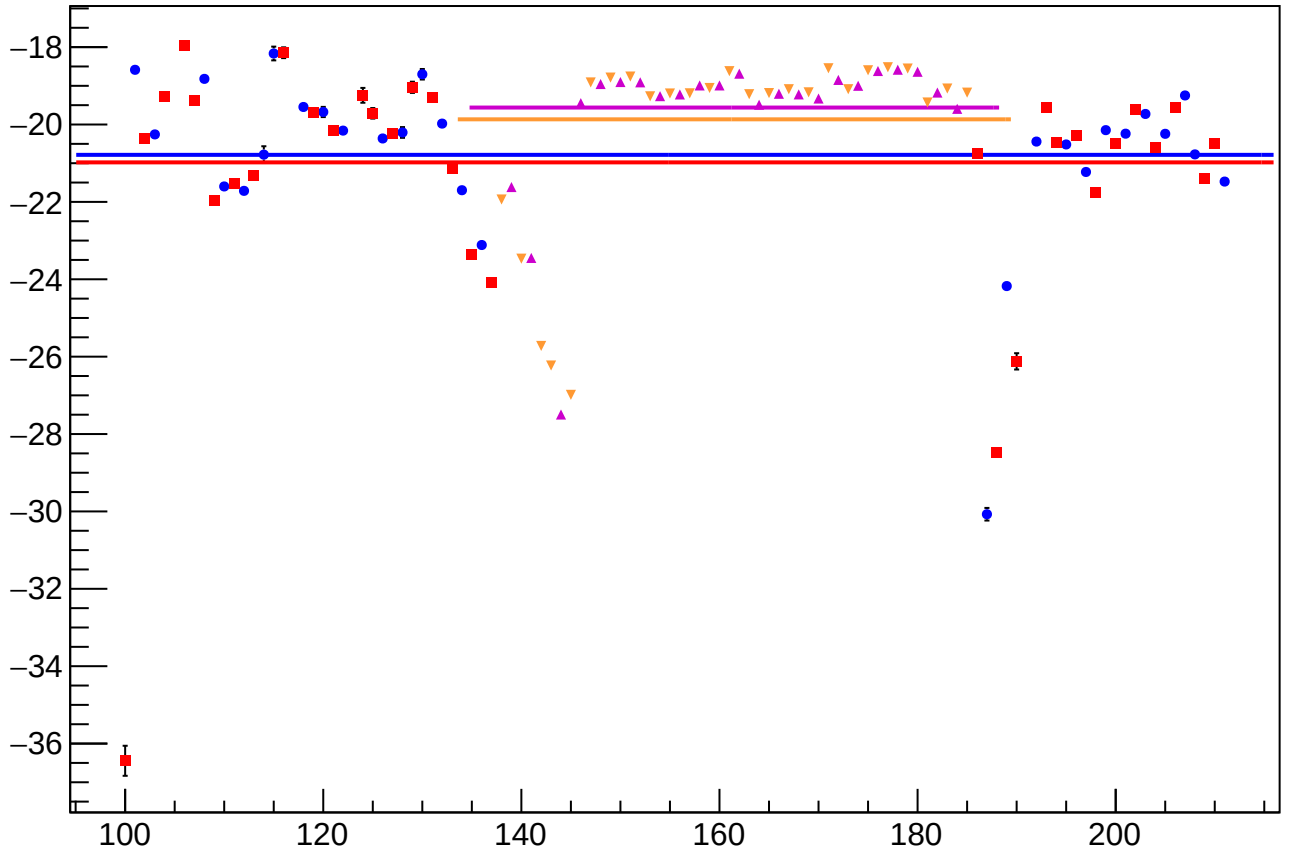
Right: 77.613+/-0.176 χ^2/NDF: 10607.5/59

In: 64.534+/-0.161 χ^2/NDF:10714.3/50

Out: 66.647+/-0.153 χ^2/NDF:15699.7/56

All: 65.643+/-0.111 χ^2/NDF: 26505.1/107


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 0.834+/-0.326 χ²/NDF: 438.2/27
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.391+/-0.322 χ²/NDF: 394.6/31
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.609+/-0.229 χ²/NDF: 833.7/59
In: 7.813+/-0.155 χ²/NDF:2021.9/50
Out: 7.596+/-0.151 χ²/NDF:2528.1/56
All: 7.701+/-0.108 χ²/NDF: 4551.0/107



Right In: -20.784+/-0.016 χ^2/NDF: 12573.4/27

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.979+/-0.016 χ^2/NDF: 20701.4/31

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

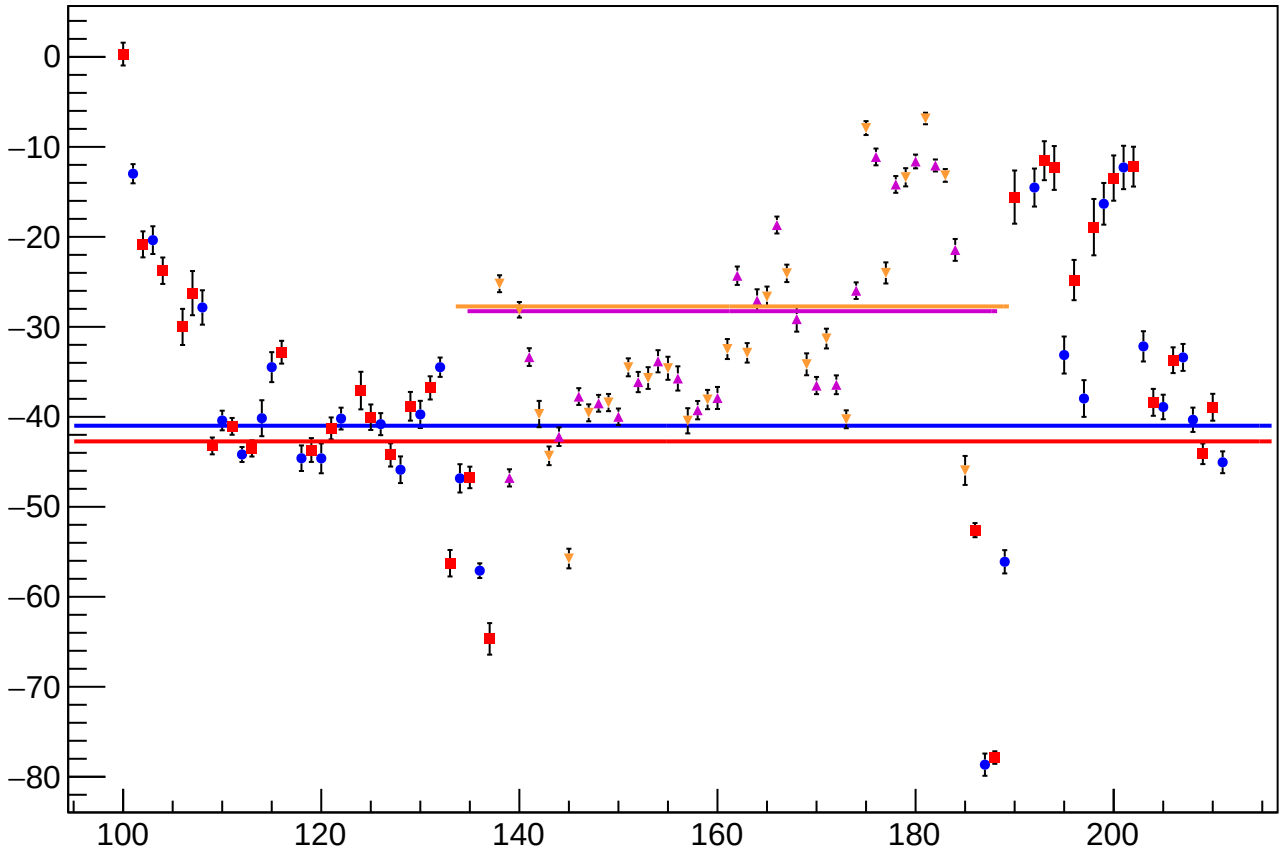
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.881+/-0.011 χ^2/NDF: 33349.7/59

In: -19.807+/-0.007 χ^2/NDF:62479.6/50

Out: -20.084+/-0.007 χ^2/NDF:103517.8/56

All: -19.946+/-0.005 χ^2/NDF: 166764.0/107



Right In: -40.988+/-0.256 χ^2/NDF: 2970.5/27

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.729+/-0.235 χ^2/NDF: 5645.0/31

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

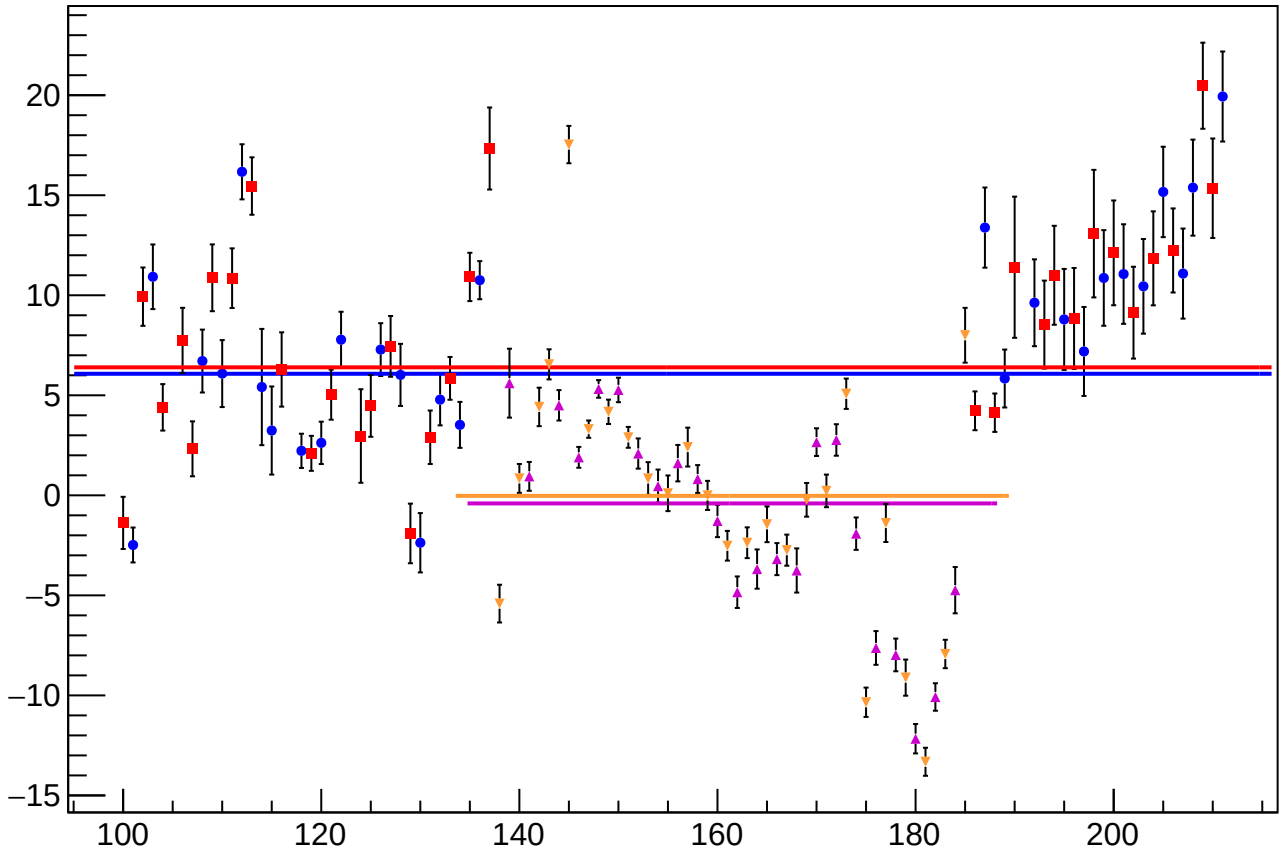
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.936+/-0.173 χ^2/NDF: 8640.6/59

In: -33.258+/-0.161 χ^2/NDF:7639.5/50

Out: -34.068+/-0.153 χ^2/NDF:12303.8/56

All: -33.684+/-0.111 χ^2/NDF: 19956.7/107



Right In: 6.076+/-0.282 χ^2/NDF: 359.5/27

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.398+/-0.267 χ^2/NDF: 317.4/31

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

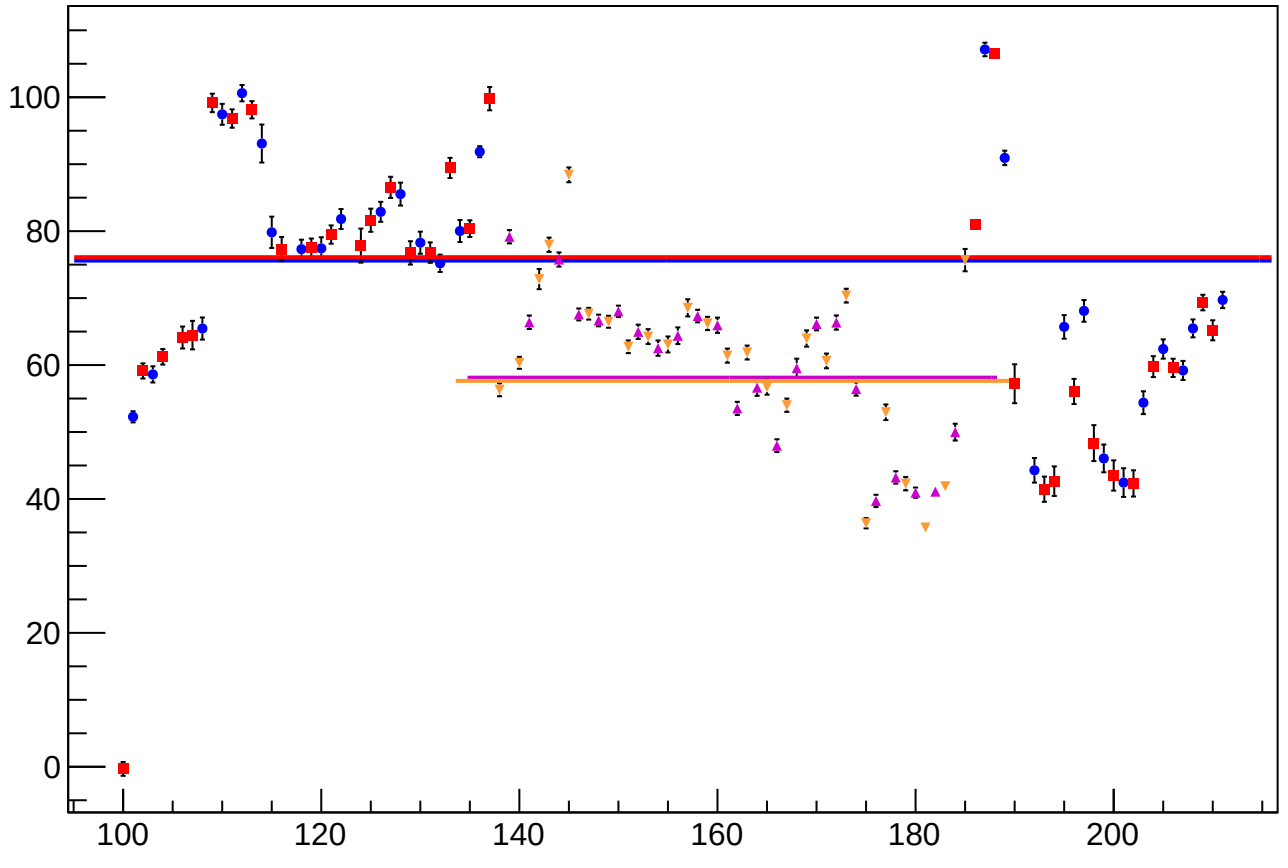
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.246+/-0.194 χ^2/NDF: 677.6/59

In: 1.105+/-0.136 χ^2/NDF:1848.3/50

Out: 1.522+/-0.131 χ^2/NDF:2289.4/56

All: 1.322+/-0.094 χ^2/NDF: 4142.6/107



Right In: 75.607+/-0.262 χ^2/NDF: 4558.4/27

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.112+/-0.232 χ^2/NDF: 11776.7/31

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

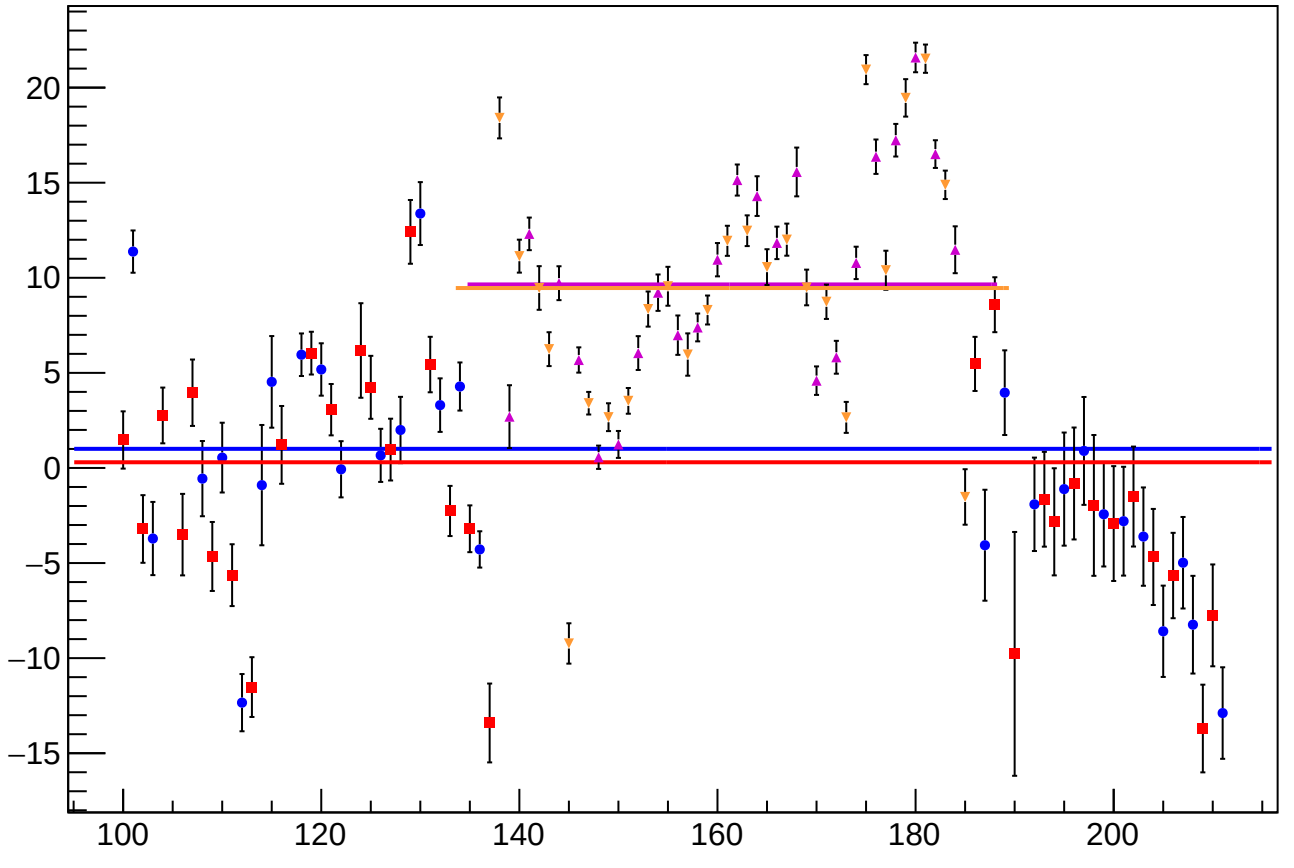
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 75.889+/-0.174 χ^2/NDF: 16337.2/59

In: 64.726+/-0.161 χ^2/NDF:10784.0/50

Out: 65.463+/-0.151 χ^2/NDF:20029.8/56

All: 65.117+/-0.110 χ^2/NDF: 30824.9/107



Right In: 1.006+/-0.327 χ^2/NDF: 382.3/27

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.299+/-0.316 χ^2/NDF: 363.7/31

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

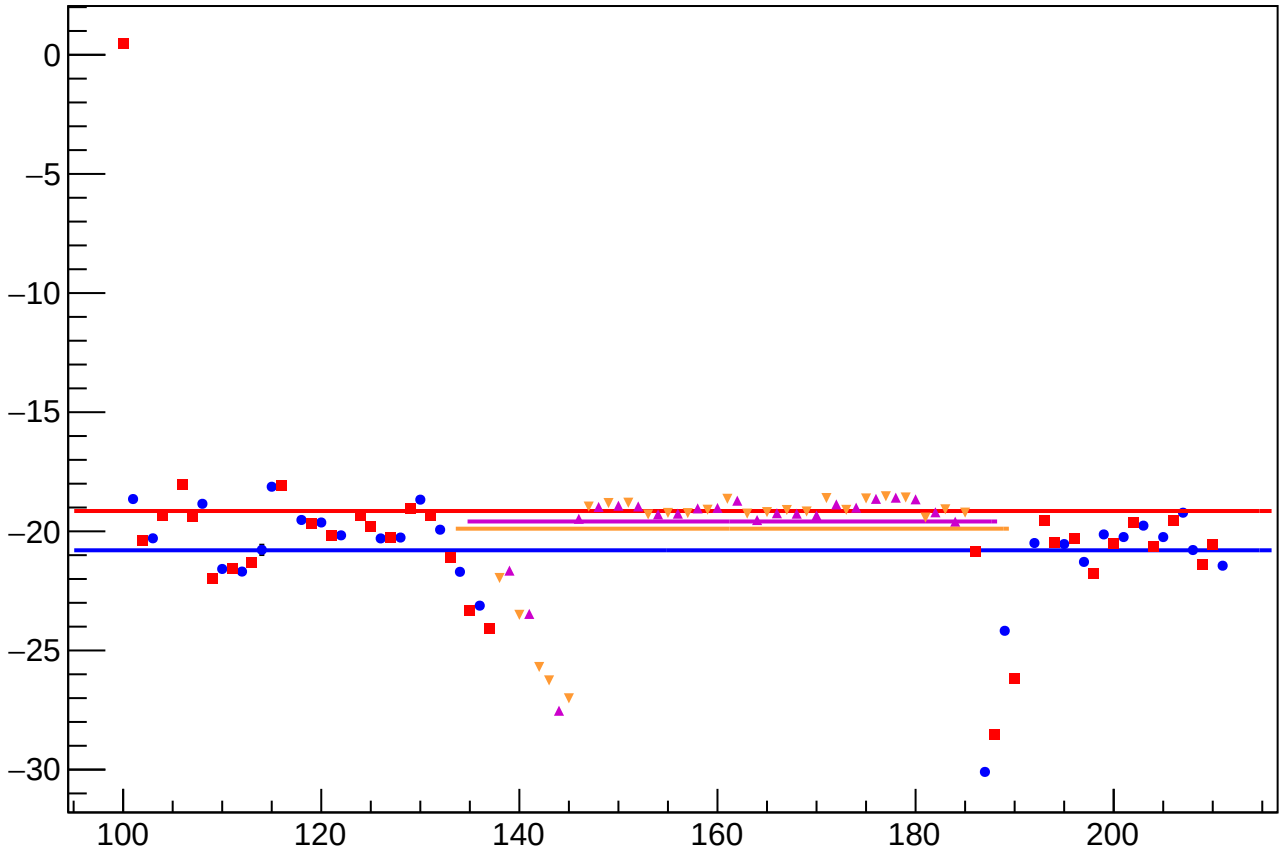
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.640+/-0.227 χ^2/NDF: 748.4/59

In: 7.696+/-0.155 χ^2/NDF:2002.3/50

Out: 7.369+/-0.151 χ^2/NDF:2497.3/56

All: 7.528+/-0.108 χ^2/NDF: 4501.9/107



Right In: -20.796+/-0.016 χ^2/NDF: 12458.1/27

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.147+/-0.015 χ^2/NDF: 172463.1/31

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

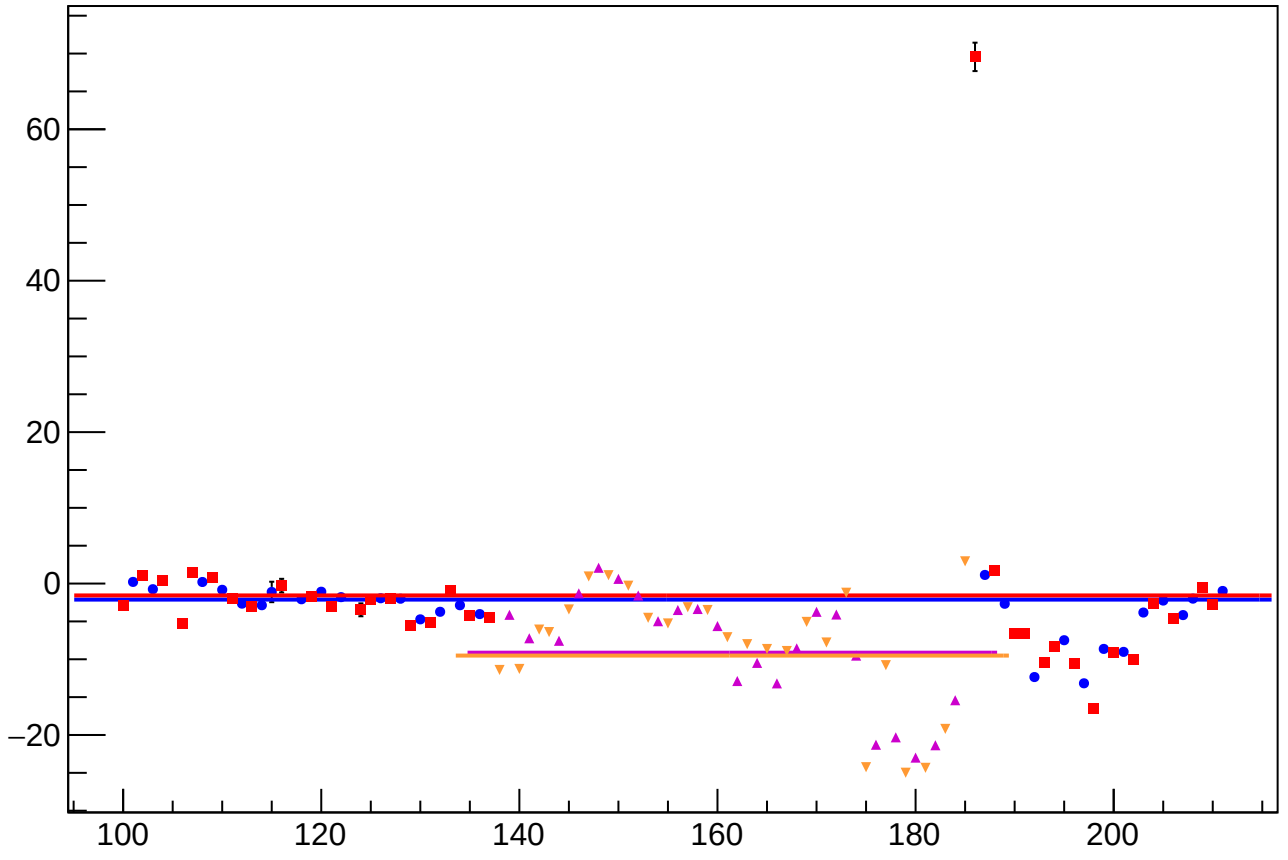
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.938+/-0.011 χ^2/NDF: 190510.1/59

In: -19.829+/-0.007 χ^2/NDF:62163.2/50

Out: -19.733+/-0.007 χ^2/NDF:252839.1/56

All: -19.780+/-0.005 χ^2/NDF: 315094.5/107



Right In: -2.118+/-0.049 χ^2/NDF: 3356.6/27

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.568+/-0.045 χ^2/NDF: 6970.0/32

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

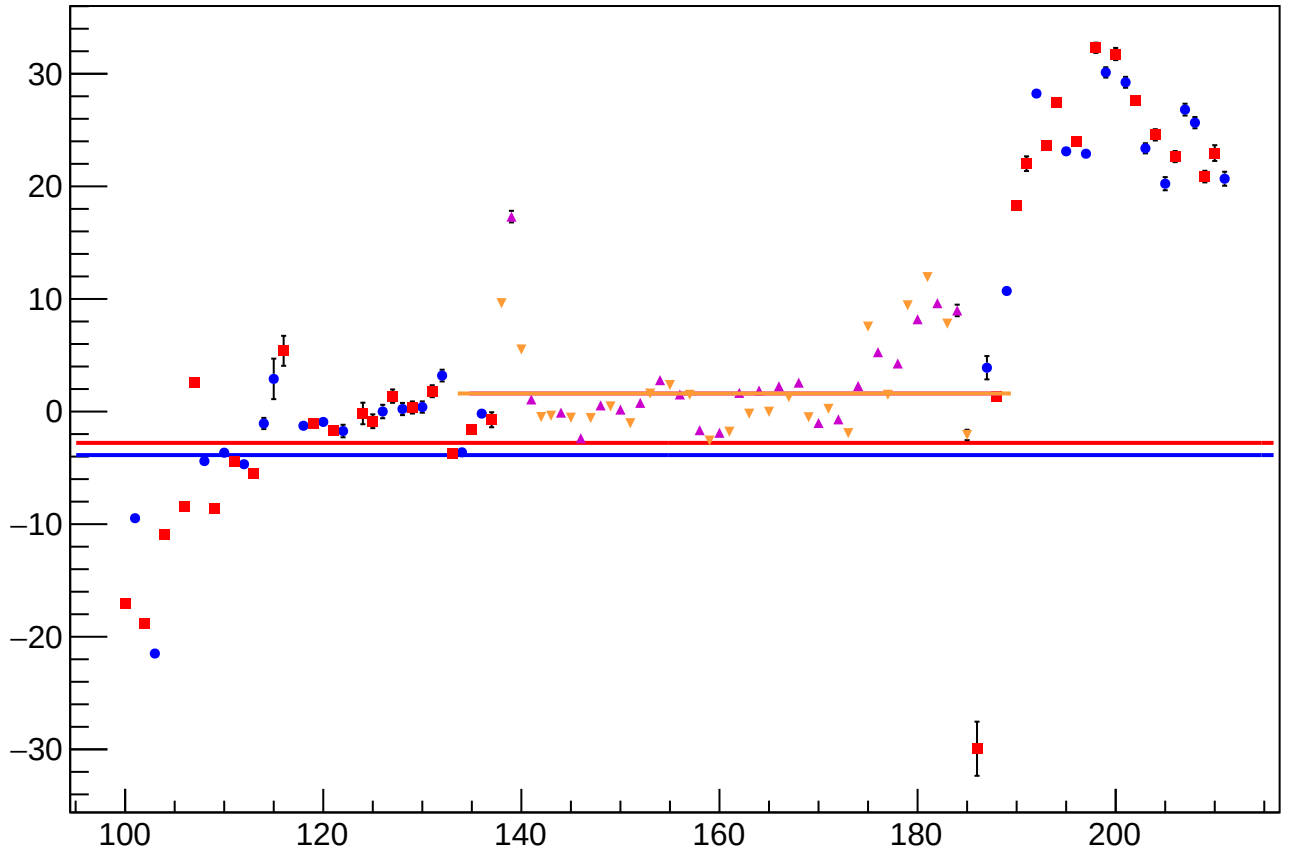
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.821+/-0.033 χ^2/NDF: 10395.9/60

In: -4.197+/-0.041 χ^2/NDF:19936.4/50

Out: -3.757+/-0.038 χ^2/NDF:28552.3/57

All: -3.962+/-0.028 χ^2/NDF: 48551.0/108



Right In: -3.866+/-0.052 χ^2/NDF: 62842.4/27

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.781+/-0.052 χ^2/NDF: 66761.8/32

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

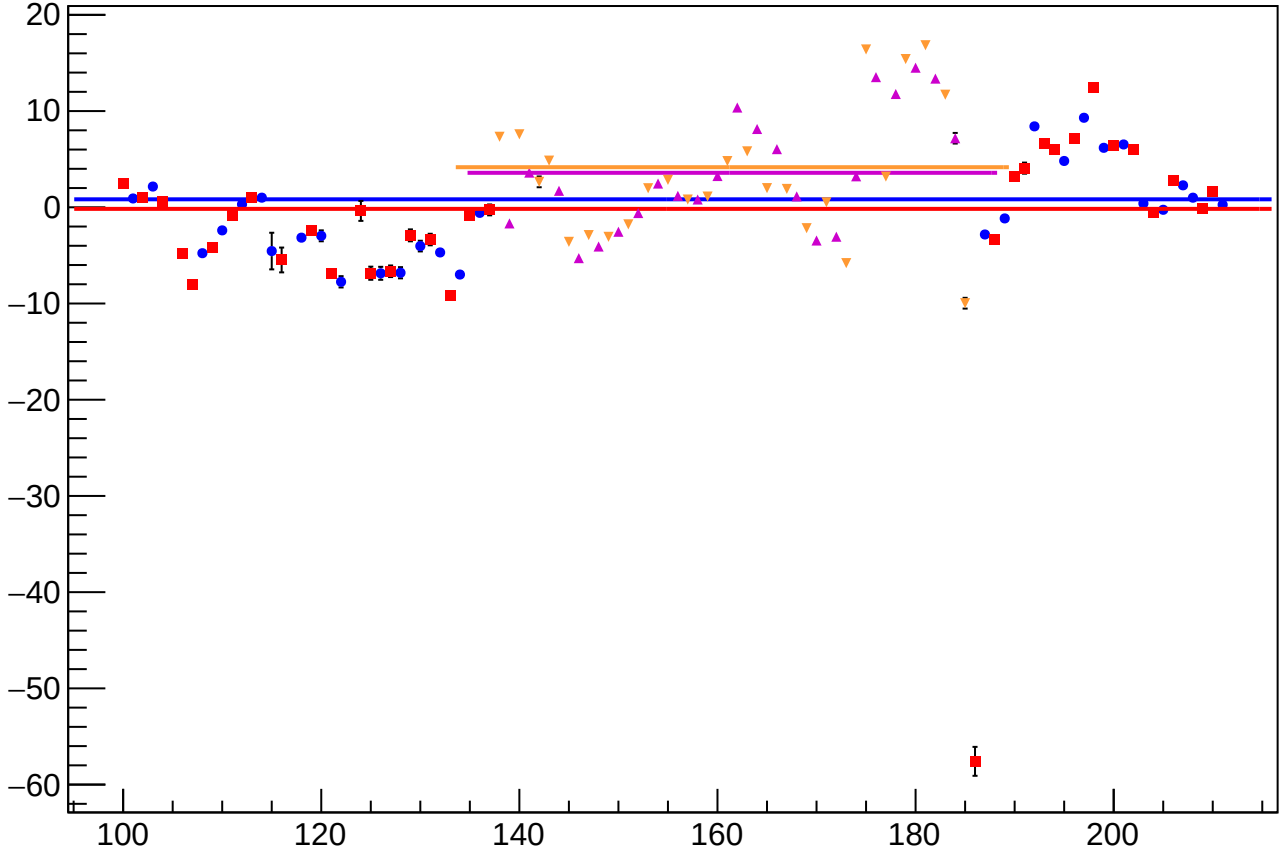
Right: -3.316+/-0.037 χ^2/NDF: 129820.3/60

In: -1.387+/-0.039 χ^2/NDF:71419.2/50

Out: -0.725+/-0.038 χ^2/NDF:74798.4/57

All: -1.047+/-0.027 χ^2/NDF: 146366.7/108

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.830+/-0.047 χ^2/NDF: 4175.9/27

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.164+/-0.045 χ^2/NDF: 8227.3/32

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

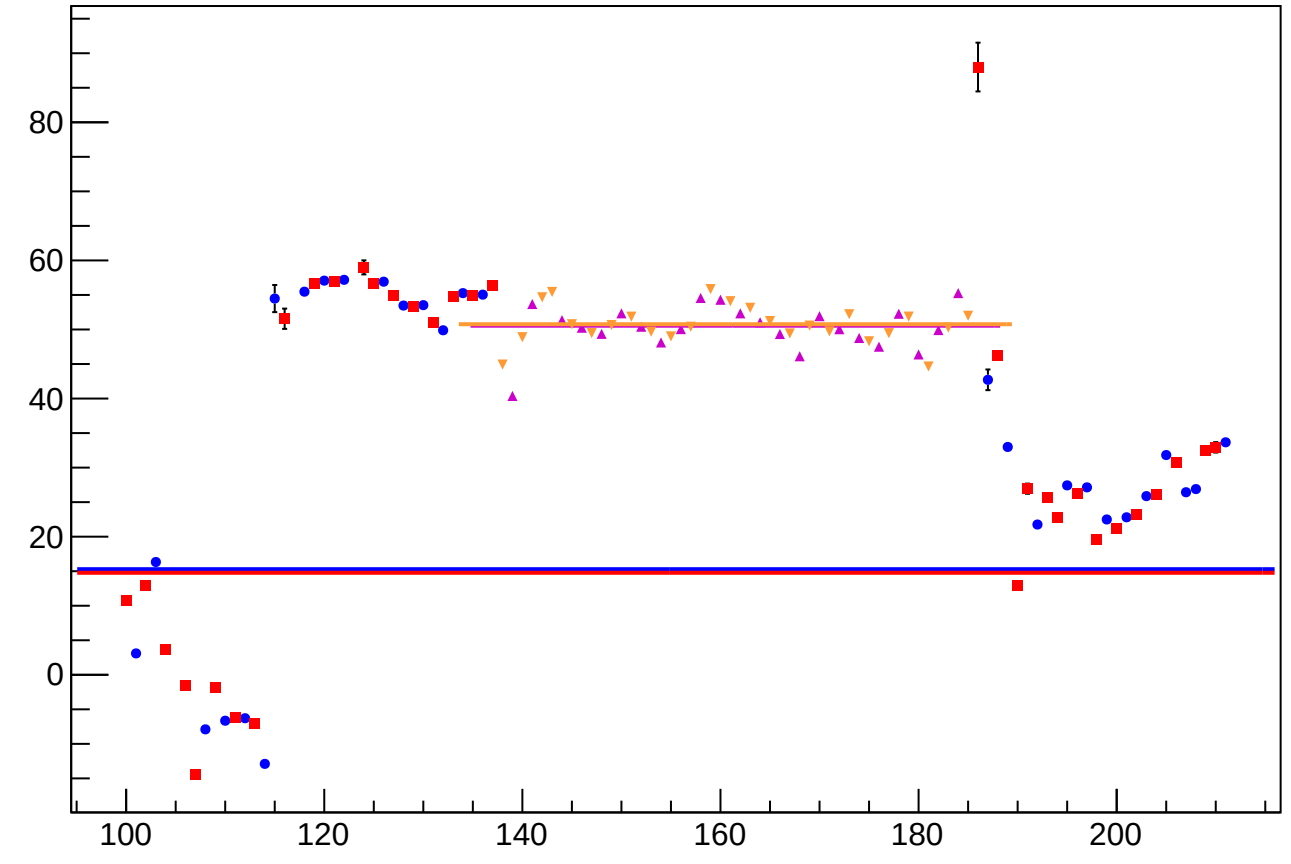
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.316+/-0.032 χ^2/NDF: 12637.3/60

In: 1.615+/-0.039 χ^2/NDF:12395.7/50

Out: 1.057+/-0.038 χ^2/NDF:20064.7/57

All: 1.327+/-0.027 χ^2/NDF: 32563.5/108



Right In: 15.292+/-0.062 χ^2/NDF: 115585.7/27

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.773+/-0.061 χ^2/NDF: 132374.3/32

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

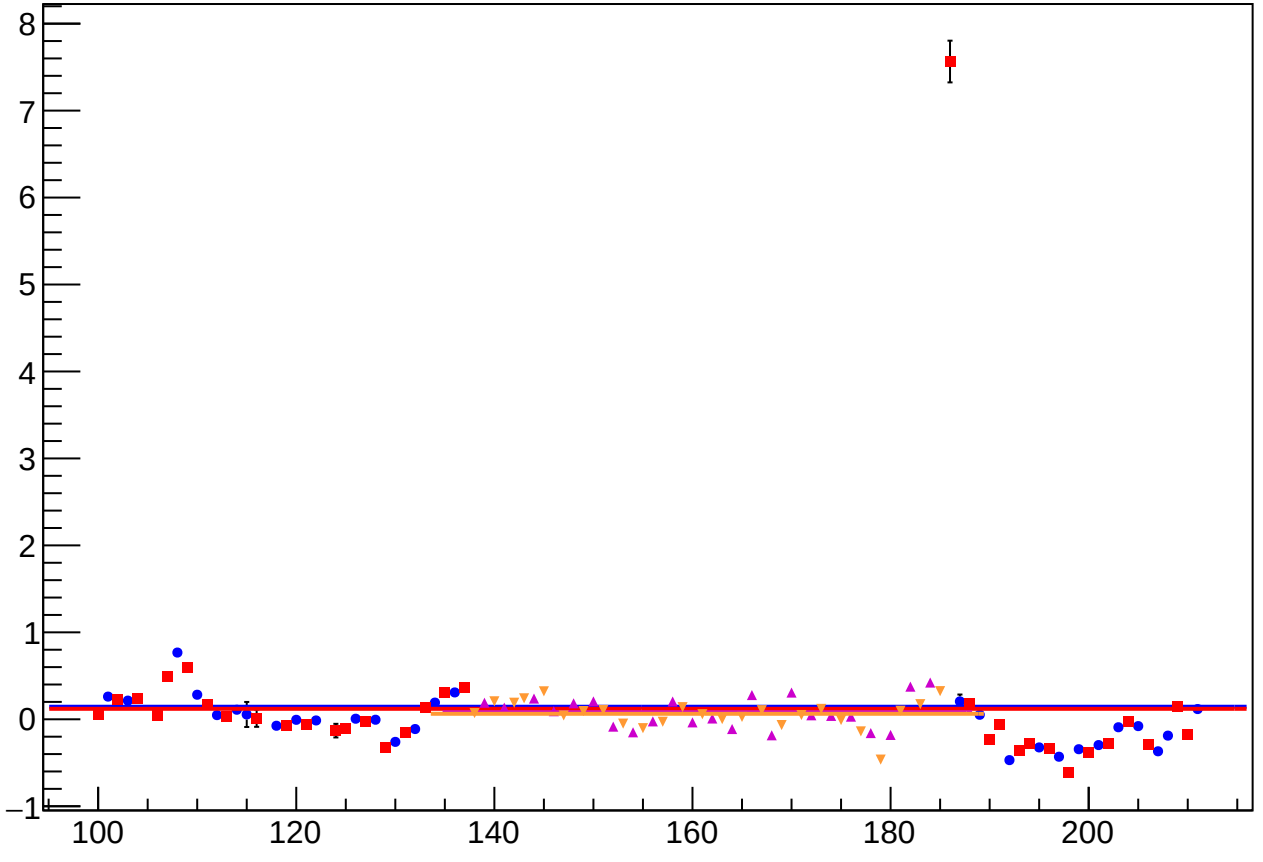
Right: 15.029+/-0.044 χ^2/NDF: 247995.1/60

In: 32.245+/-0.045 χ^2/NDF:271153.9/50

Out: 32.471+/-0.044 χ^2/NDF:302963.3/57

All: 32.361+/-0.031 χ^2/NDF: 574130.1/108

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.144+/-0.002 χ^2/NDF: 13497.8/27

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.121+/-0.002 χ^2/NDF: 13026.7/32

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

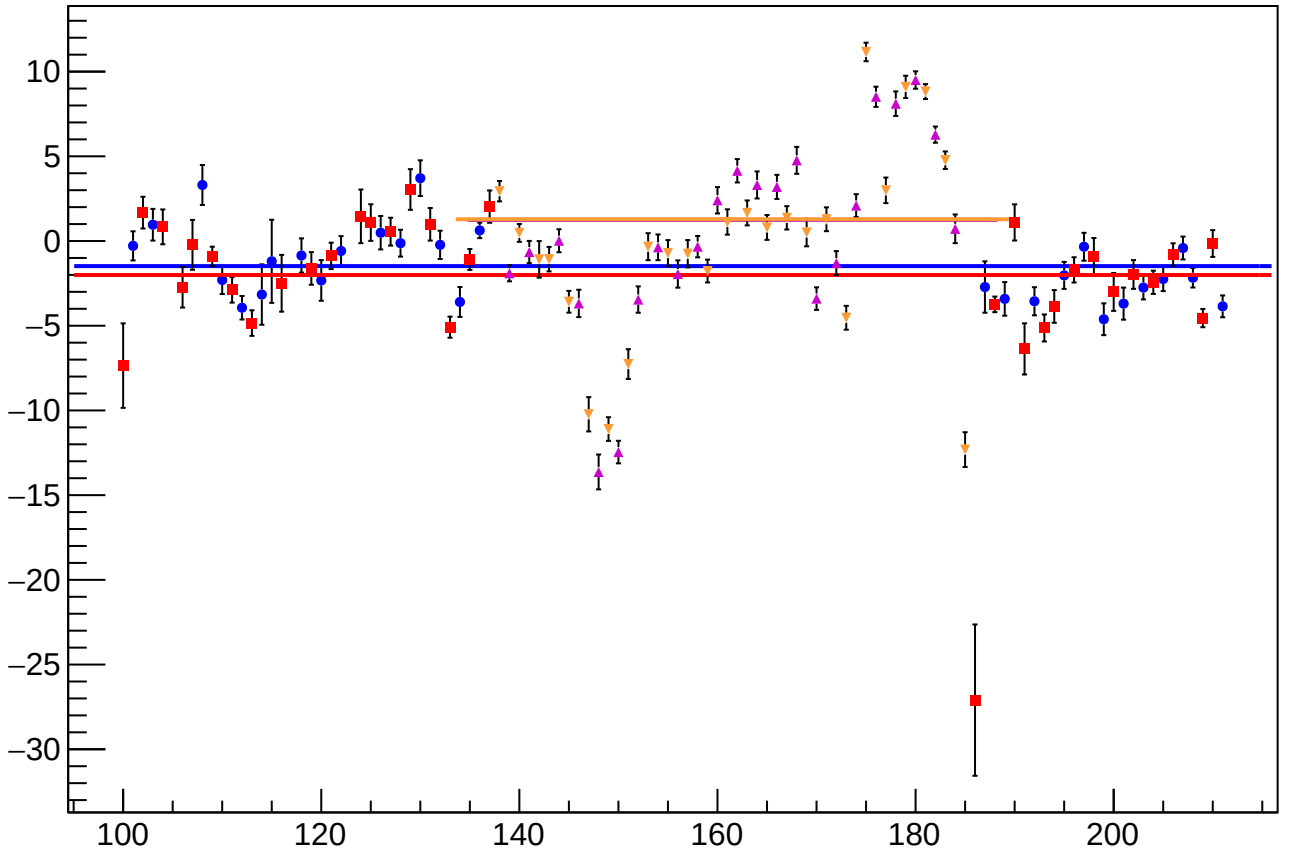
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.132+/-0.002 χ^2/NDF: 26572.1/60

In: 0.116+/-0.002 χ^2/NDF:17241.1/50

Out: 0.096+/-0.002 χ^2/NDF:15835.9/57

All: 0.106+/-0.001 χ^2/NDF: 33136.2/108



Right In: -1.481+/-0.156 χ^2/NDF: 153.7/27

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -2.008+/-0.146 χ^2/NDF: 260.9/32

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

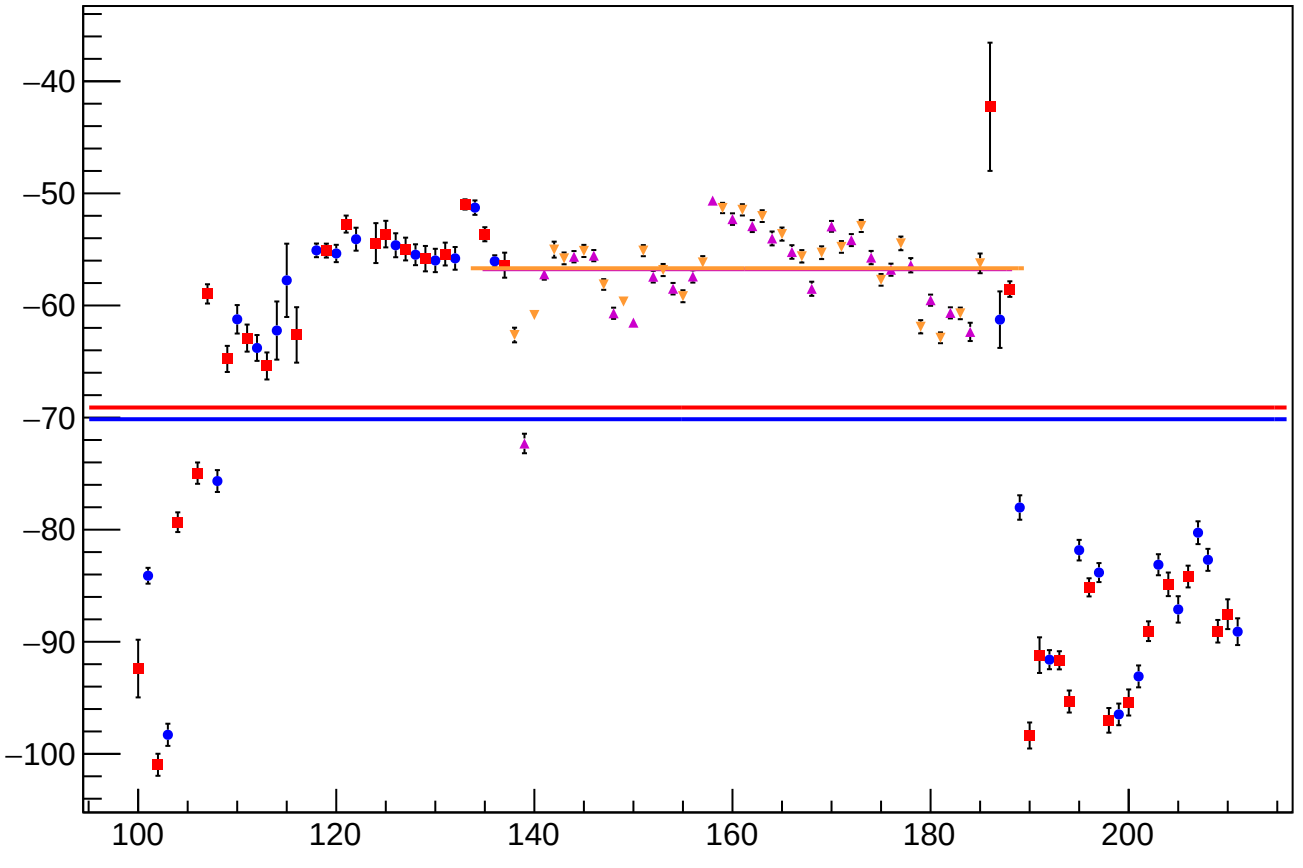
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.762+/-0.107 χ^2/NDF: 420.7/60

In: 0.027+/-0.104 χ^2/NDF:1834.9/50

Out: -0.257+/-0.100 χ^2/NDF:2246.5/57

All: -0.122+/-0.072 χ^2/NDF: 4085.3/108



Right In: -70.147+/-0.175 χ^2/NDF: 8287.4/27

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.101+/-0.164 χ^2/NDF: 11223.1/32

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

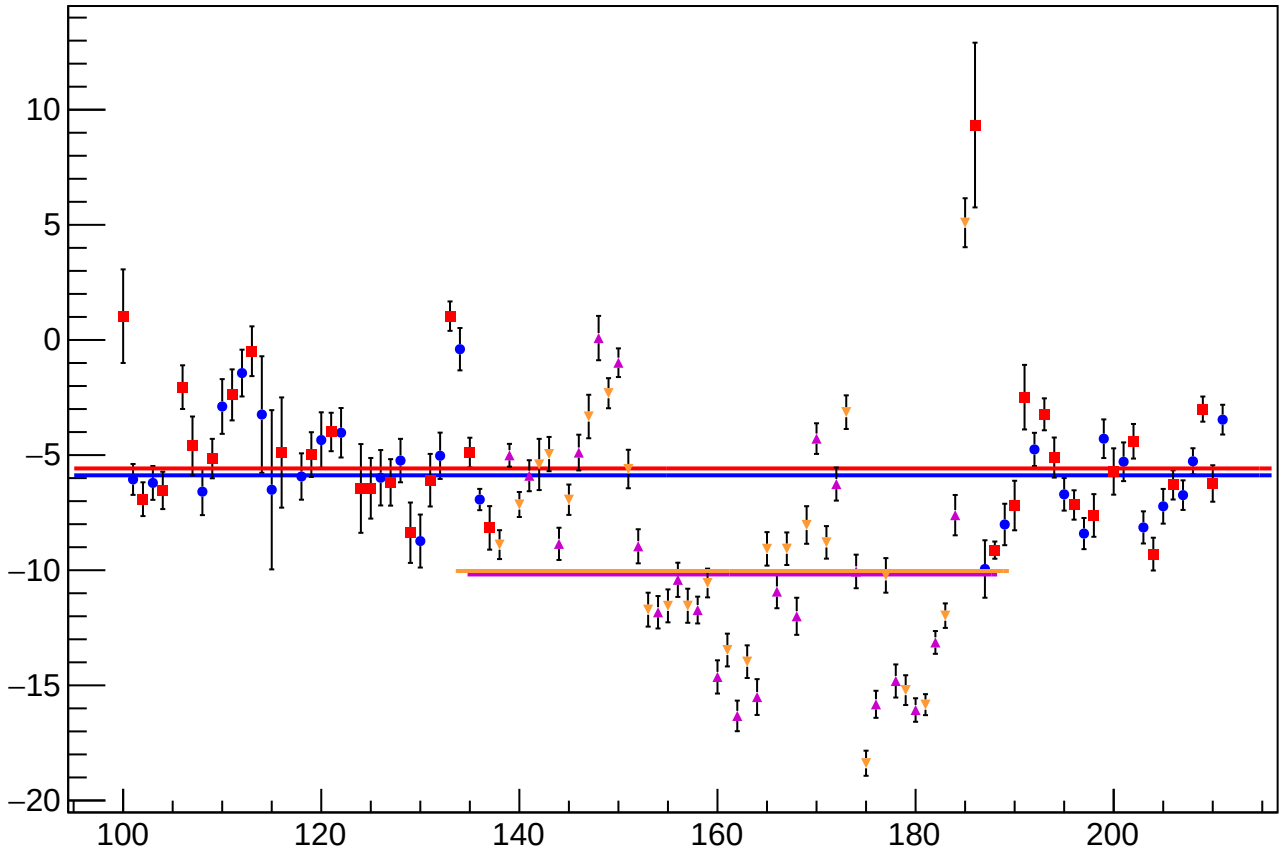
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.589+/-0.120 χ^2/NDF: 19529.5/60

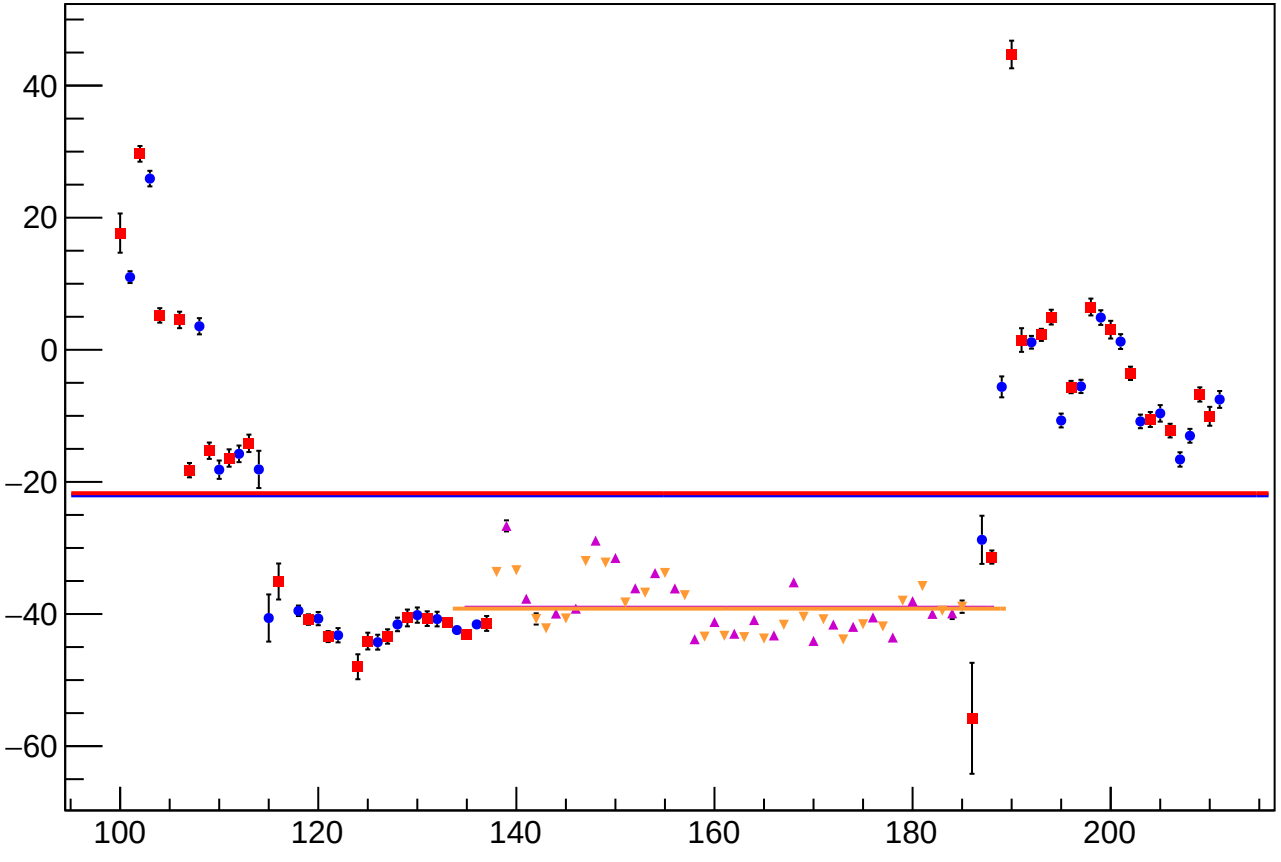
In: -60.638+/-0.094 χ^2/NDF:13530.5/50

Out: -60.396+/-0.090 χ^2/NDF:16253.3/57

All: -60.511+/-0.065 χ^2/NDF: 29787.2/108


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: -5.879+/-0.155 χ²/NDF: 148.6/27
Left Out: -10.034+/-0.136 χ²/NDF:1182.4/24
Right Out: -5.580+/-0.144 χ²/NDF: 377.8/32
Left In: -10.184+/-0.139 χ²/NDF:1142.6/22
Left: -10.107+/-0.097 χ²/NDF: 2325.6/47
Right: -5.718+/-0.106 χ²/NDF: 528.3/60
In: -8.267+/-0.104 χ²/NDF:1717.6/50
Out: -7.935+/-0.099 χ²/NDF:2064.0/57
All: -8.094+/-0.072 χ²/NDF: 3787.0/108

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.030+/-0.200 χ^2/NDF: 10653.2/27

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.710+/-0.190 χ^2/NDF: 12944.0/32

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

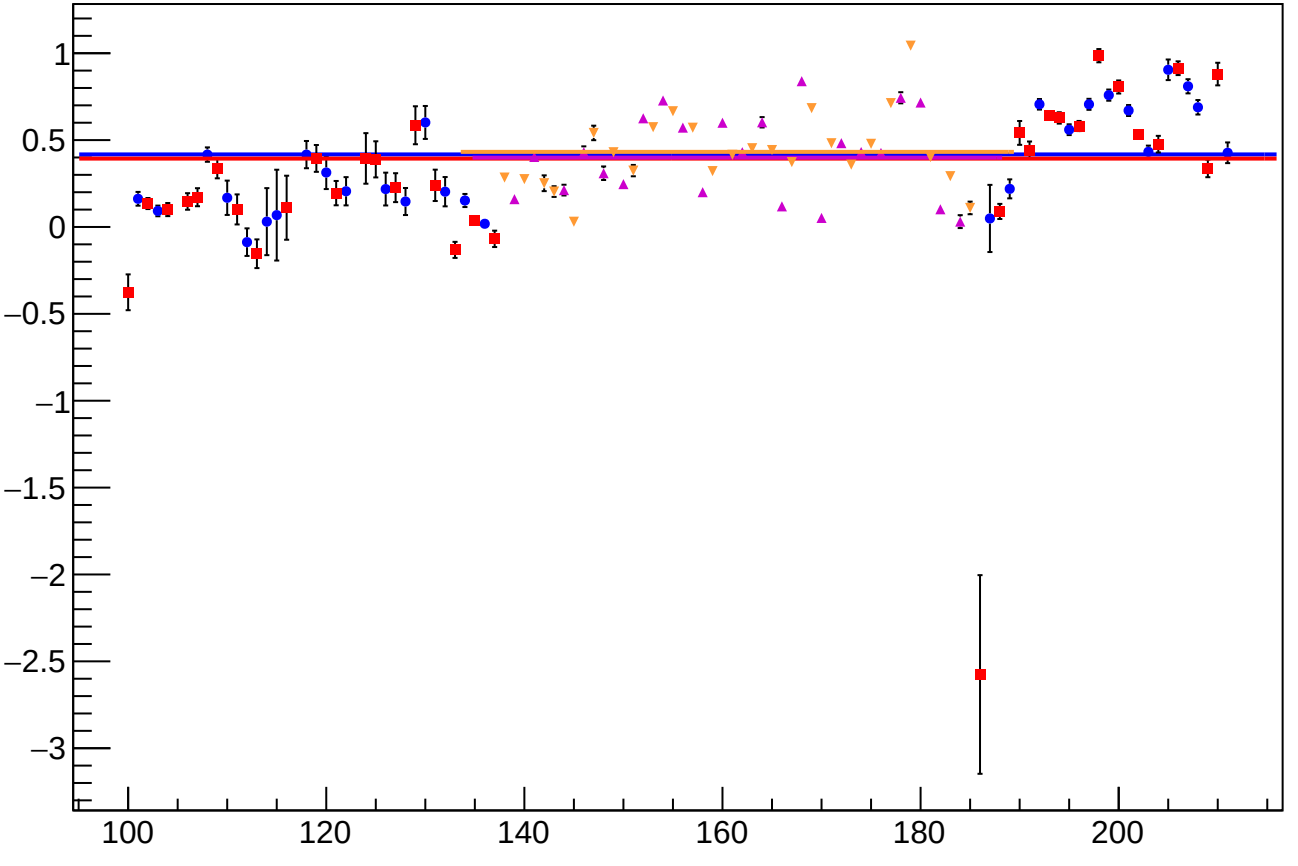
Right: -21.862+/-0.138 χ^2/NDF: 23598.6/60

In: -34.298+/-0.105 χ^2/NDF:17111.3/50

Out: -34.215+/-0.102 χ^2/NDF:20005.7/57

All: -34.255+/-0.073 χ^2/NDF: 37117.3/108

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.418+/-0.008 χ^2/NDF: 1223.3/27

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.394+/-0.008 χ^2/NDF: 1593.9/32

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

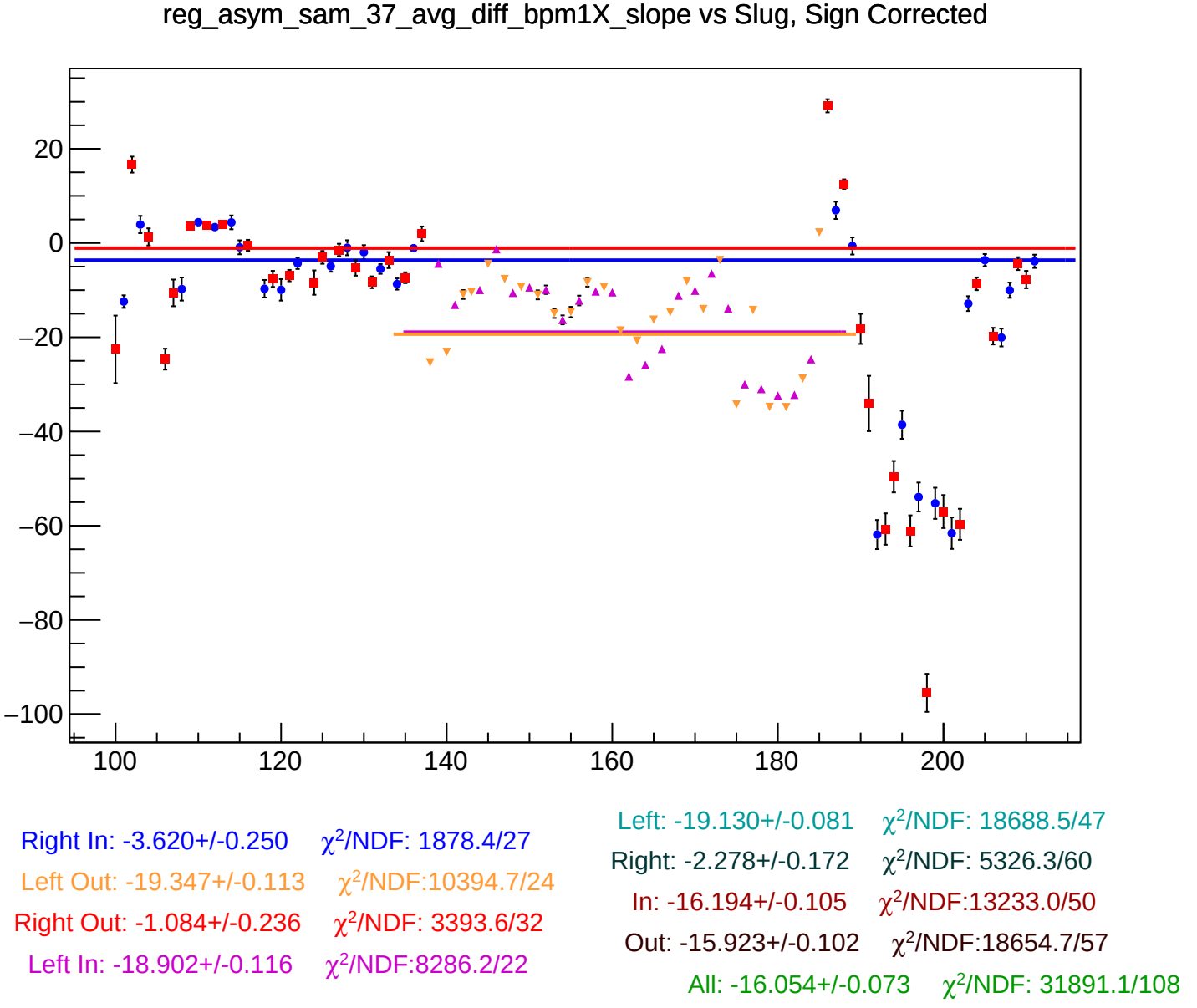
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.405+/-0.006 χ^2/NDF: 2821.5/60

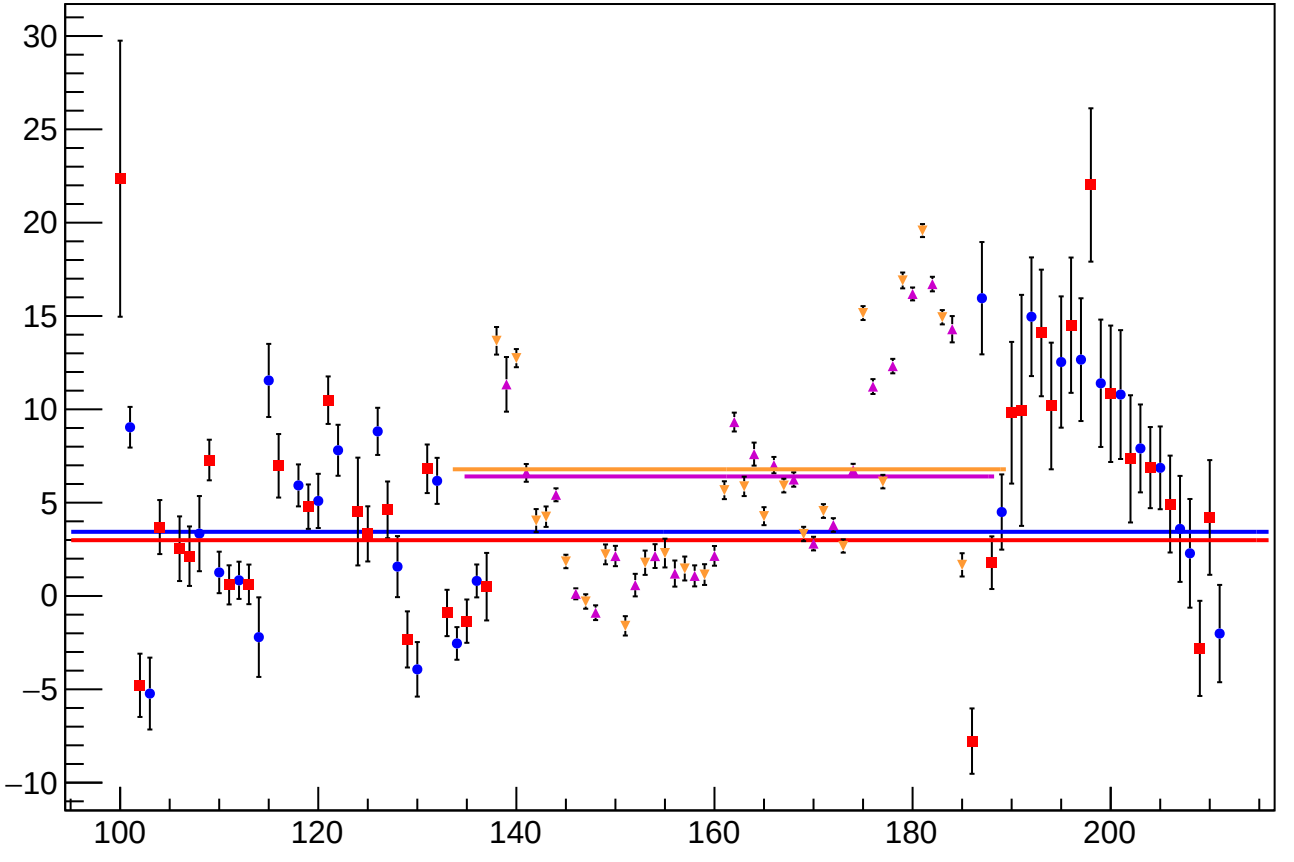
In: 0.404+/-0.004 χ^2/NDF:3150.6/50

Out: 0.421+/-0.004 χ^2/NDF:2978.7/57

All: 0.413+/-0.003 χ^2/NDF: 6136.0/108


reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -3.620+/-0.250 χ²/NDF: 1878.4/27
Left Out: -19.347+/-0.113 χ²/NDF:10394.7/24
Right Out: -1.084+/-0.236 χ²/NDF: 3393.6/32
Left In: -18.902+/-0.116 χ²/NDF:8286.2/22
Left: -19.130+/-0.081 χ²/NDF: 18688.5/47
Right: -2.278+/-0.172 χ²/NDF: 5326.3/60
In: -16.194+/-0.105 χ²/NDF:13233.0/50
Out: -15.923+/-0.102 χ²/NDF:18654.7/57
All: -16.054+/-0.073 χ²/NDF: 31891.1/108

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.438+/-0.292 χ^2/NDF: 269.2/27

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.990+/-0.293 χ^2/NDF: 250.3/32

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

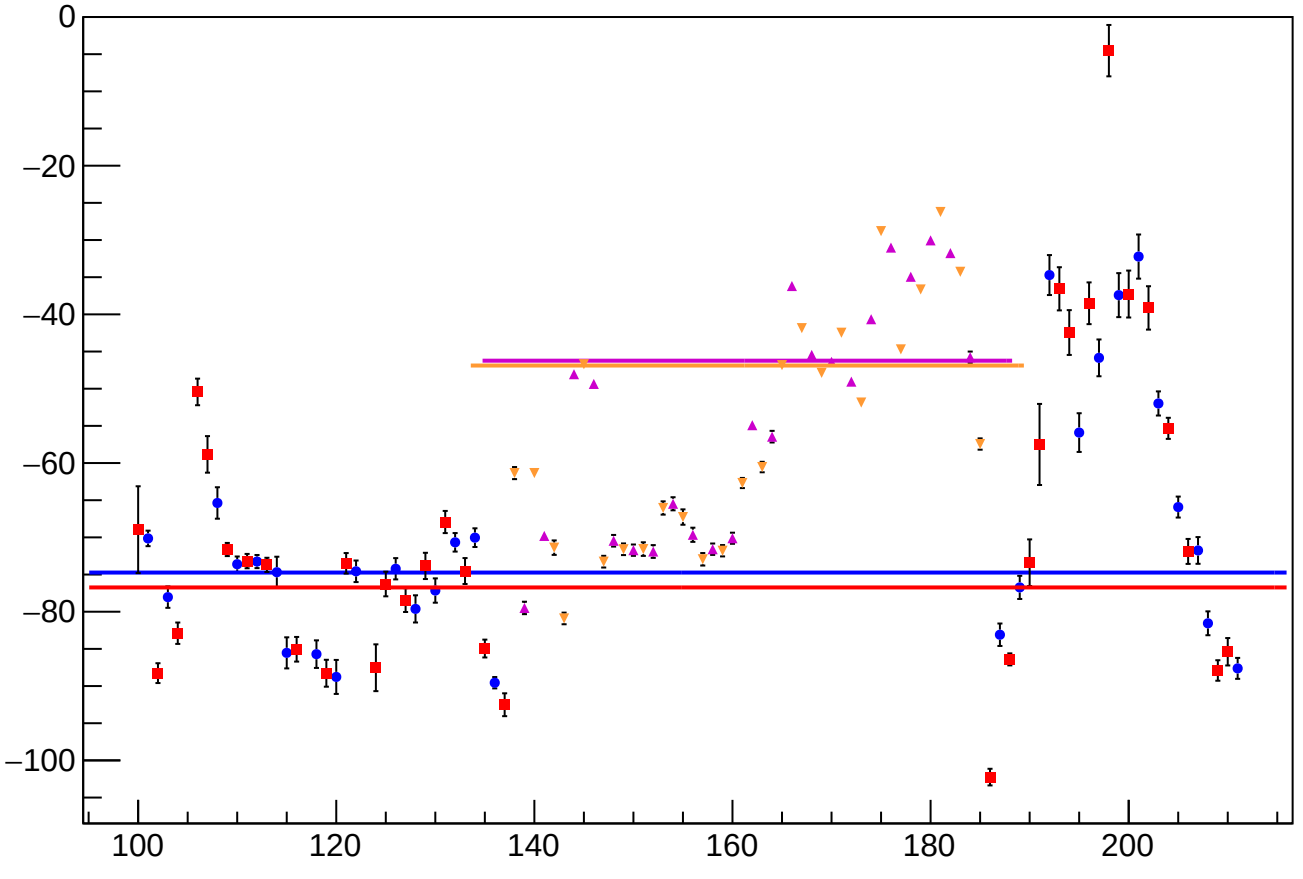
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.215+/-0.207 χ^2/NDF: 520.6/60

In: 6.140+/-0.087 χ^2/NDF:3773.8/50

Out: 6.460+/-0.086 χ^2/NDF:5036.2/57

All: 6.302+/-0.061 χ^2/NDF: 8816.9/108



Right In: -74.732+/-0.277 χ^2/NDF: 1703.0/27

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.735+/-0.267 χ^2/NDF: 2960.9/32

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

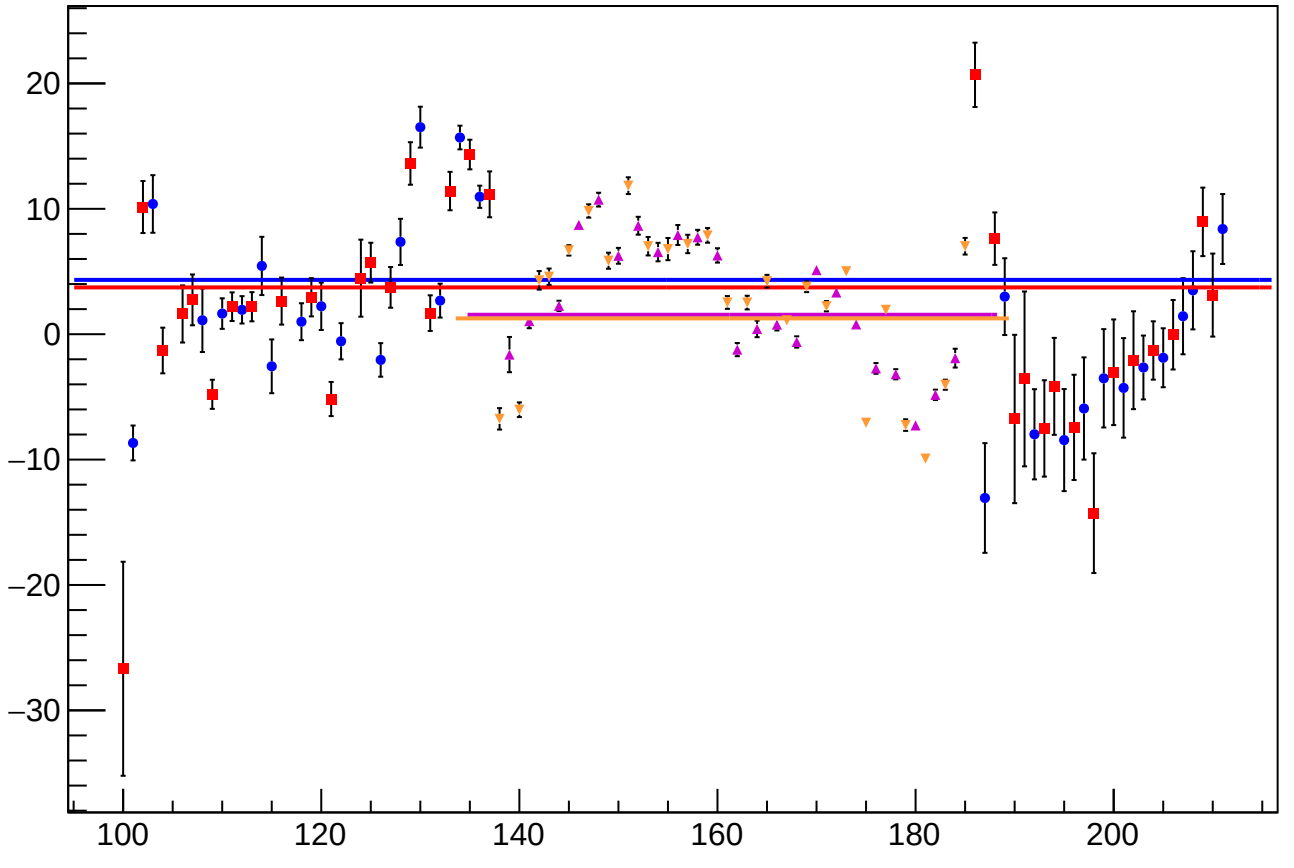
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.772+/-0.192 χ^2/NDF: 4691.0/60

In: -50.492+/-0.107 χ^2/NDF:25855.8/50

Out: -51.487+/-0.105 χ^2/NDF:31530.8/57

All: -51.001+/-0.075 χ^2/NDF: 57430.6/108



Right In: 4.334+/-0.327 χ^2/NDF: 487.8/27

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.732+/-0.334 χ^2/NDF: 391.4/32

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

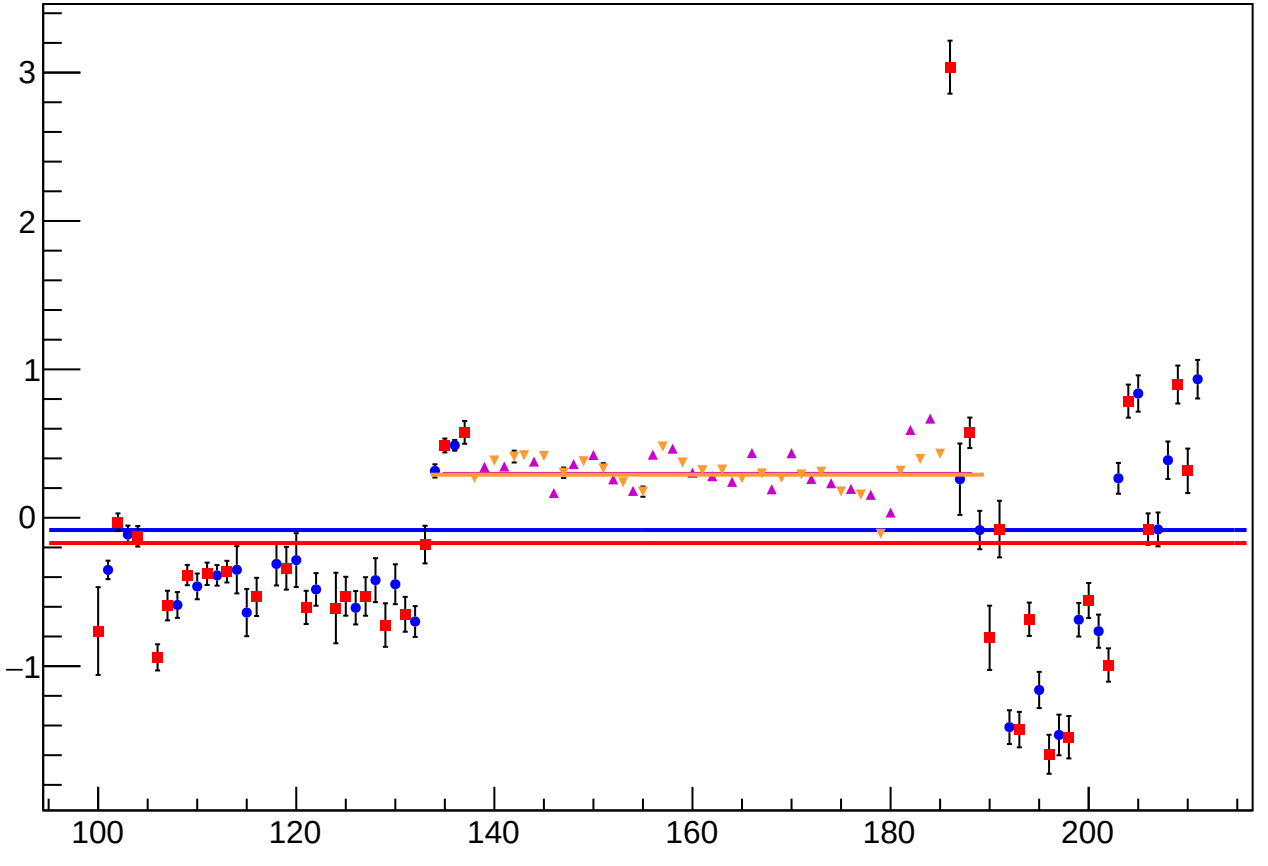
Right: 4.039+/-0.234 χ^2/NDF: 880.8/60

In: 1.797+/-0.097 χ^2/NDF:2889.4/50

Out: 1.466+/-0.096 χ^2/NDF:3887.3/57

All: 1.630+/-0.068 χ^2/NDF: 6782.5/108

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.083+/-0.017 χ^2/NDF: 1047.8/27

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.170+/-0.017 χ^2/NDF: 1430.6/32

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

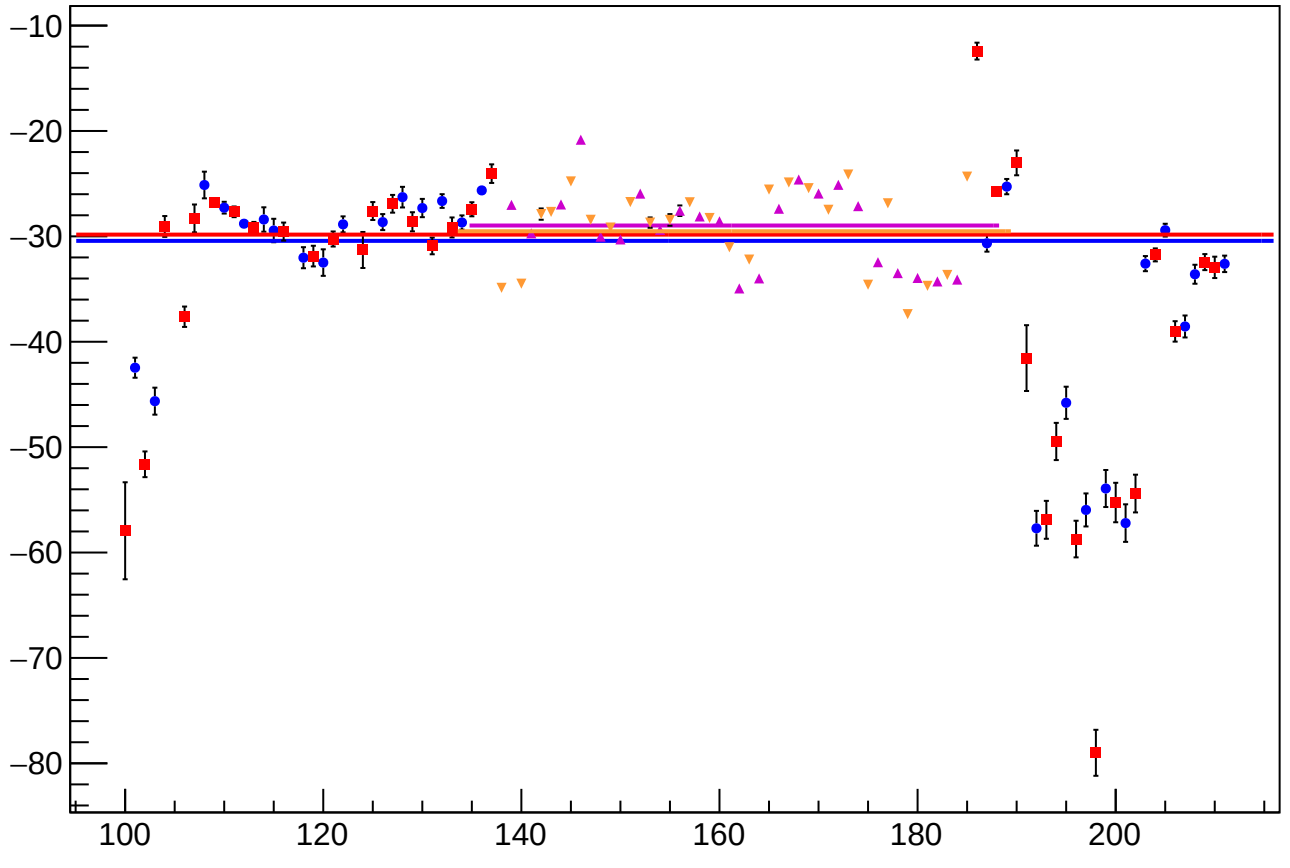
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.125+/-0.012 χ^2/NDF: 2491.6/60

In: 0.269+/-0.004 χ^2/NDF:2559.1/50

Out: 0.262+/-0.004 χ^2/NDF:2807.8/57

All: 0.265+/-0.003 χ^2/NDF: 5368.4/108



Right In: -30.427+/-0.153 χ^2/NDF: 1760.8/27

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.834+/-0.147 χ^2/NDF: 2805.1/32

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

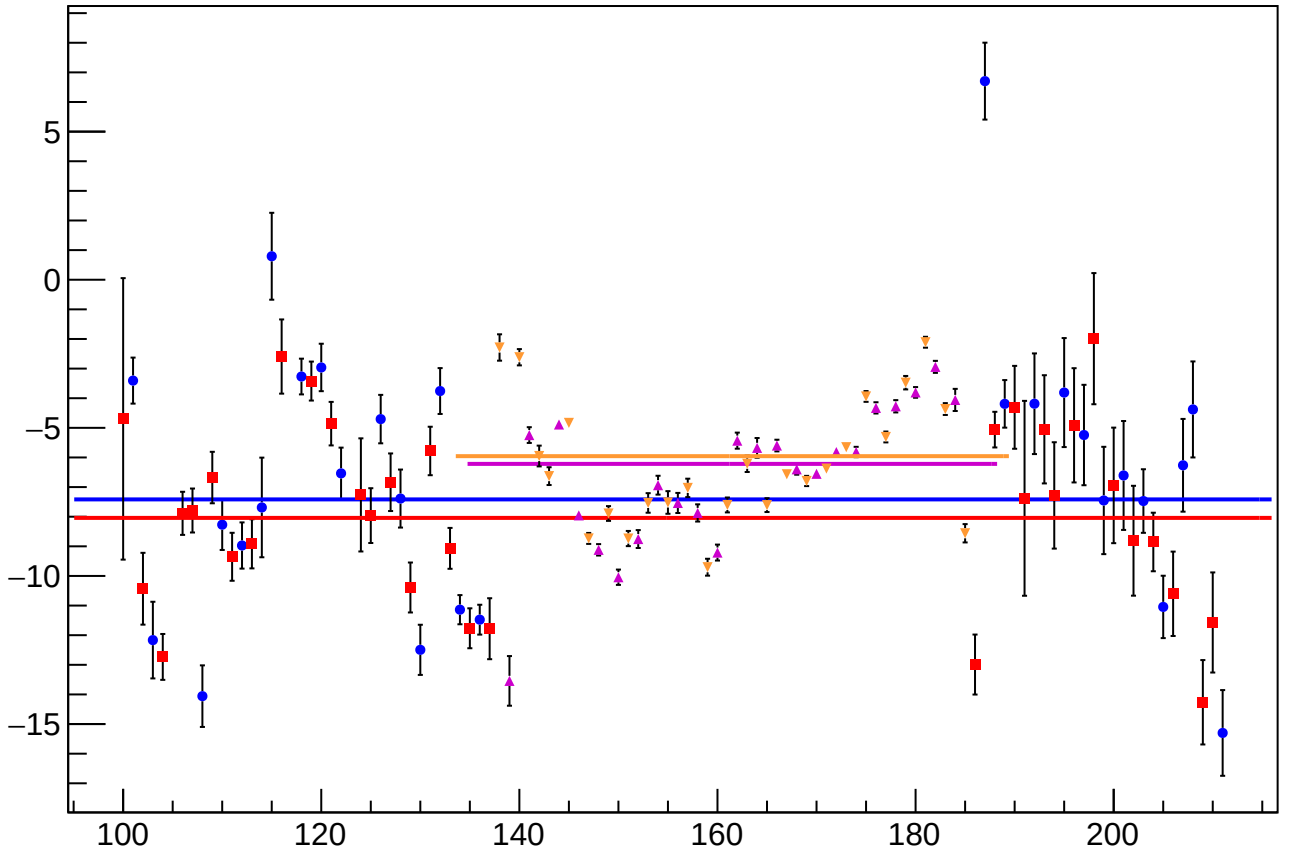
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.119+/-0.106 χ^2/NDF: 4573.7/60

In: -29.148+/-0.053 χ^2/NDF:7189.0/50

Out: -29.557+/-0.053 χ^2/NDF:8897.6/57

All: -29.356+/-0.037 χ^2/NDF: 16116.2/108



Right In: -7.416+/-0.174 χ^2/NDF: 577.2/27

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.040+/-0.171 χ^2/NDF: 293.9/32

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

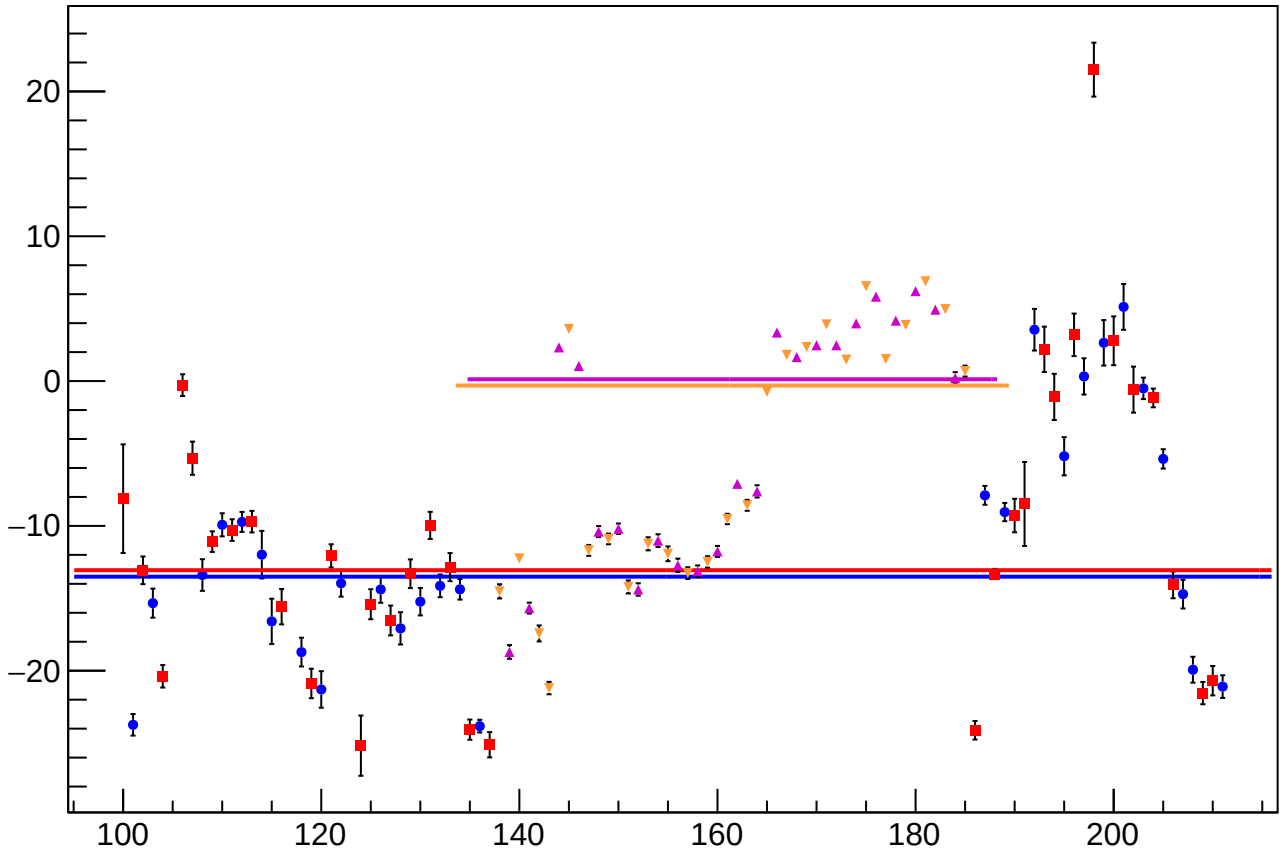
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.733+/-0.122 χ^2/NDF: 877.7/60

In: -6.290+/-0.043 χ^2/NDF:2363.7/50

Out: -6.088+/-0.043 χ^2/NDF:2290.8/57

All: -6.189+/-0.030 χ^2/NDF: 4665.6/108



Right In: -13.505+/-0.162 χ^2/NDF: 2159.5/27

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.060+/-0.153 χ^2/NDF: 2628.5/32

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

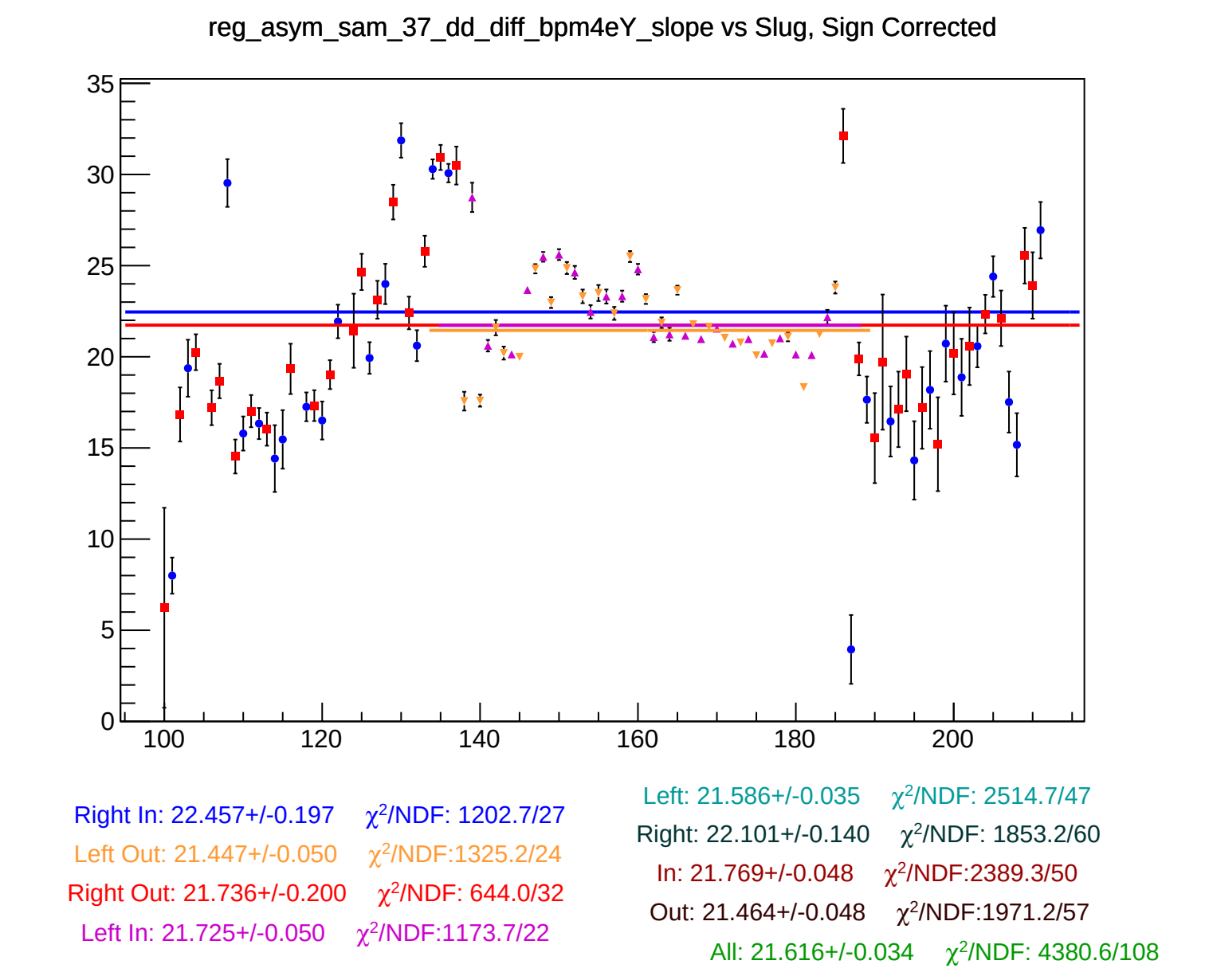
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.270+/-0.111 χ^2/NDF: 4792.0/60

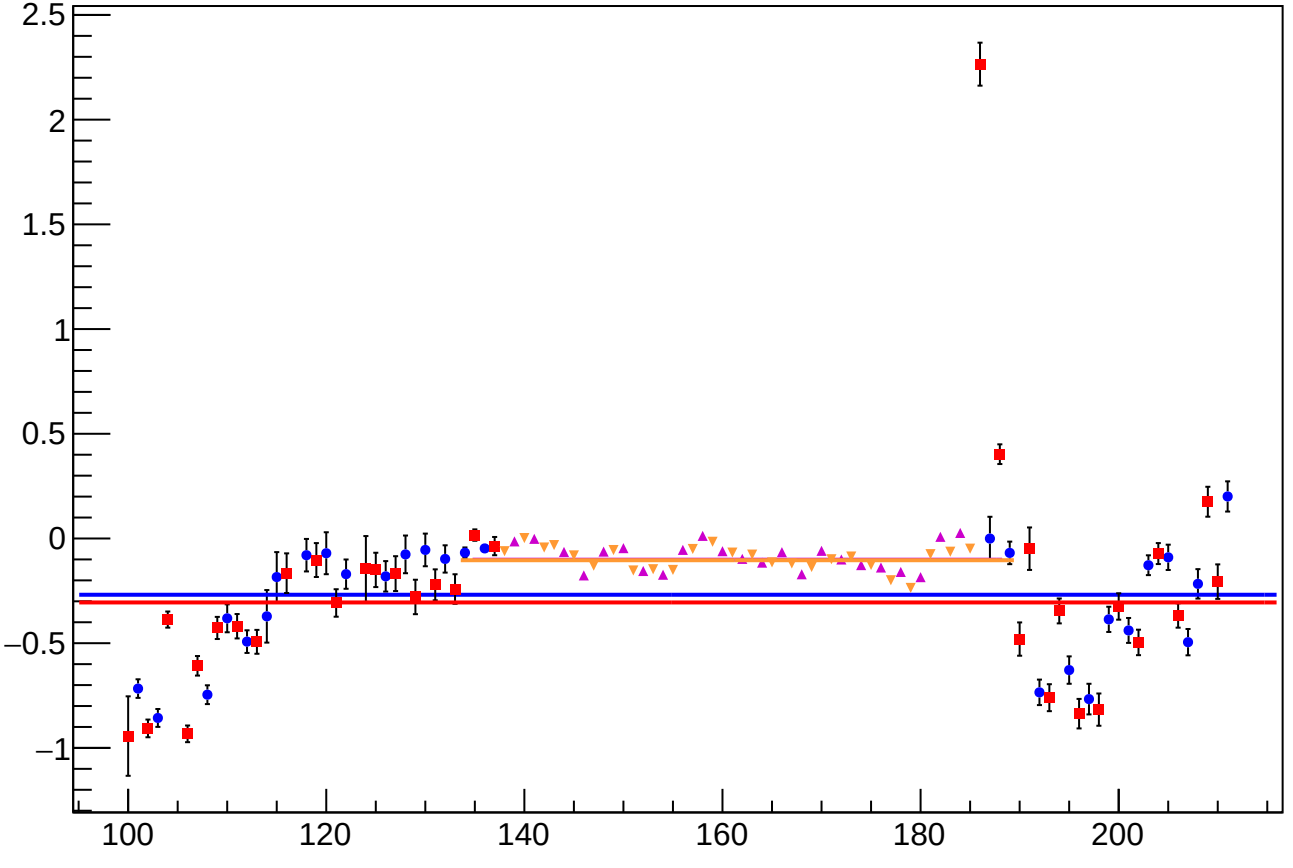
In: -1.378+/-0.054 χ^2/NDF:22303.2/50

Out: -1.838+/-0.053 χ^2/NDF:25917.3/57

All: -1.611+/-0.038 χ^2/NDF: 48257.5/108


reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
100
120
140
160
180
200
Right In: 22.457+/-0.197 χ2/NDF: 1202.7/27
Left Out: 21.447+/-0.050 χ2/NDF:1325.2/24
Right Out: 21.736+/-0.200 χ2/NDF: 644.0/32
Left In: 21.725+/-0.050 χ2/NDF:1173.7/22
Left: 21.586+/-0.035 χ2/NDF: 2514.7/47
Right: 22.101+/-0.140 χ2/NDF: 1853.2/60
In: 21.769+/-0.048 χ2/NDF:2389.3/50
Out: 21.464+/-0.048 χ2/NDF:1971.2/57
All: 21.616+/-0.034 χ2/NDF: 4380.6/108

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.269+/-0.010 χ^2/NDF: 877.2/27

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.305+/-0.010 χ^2/NDF: 1821.2/32

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

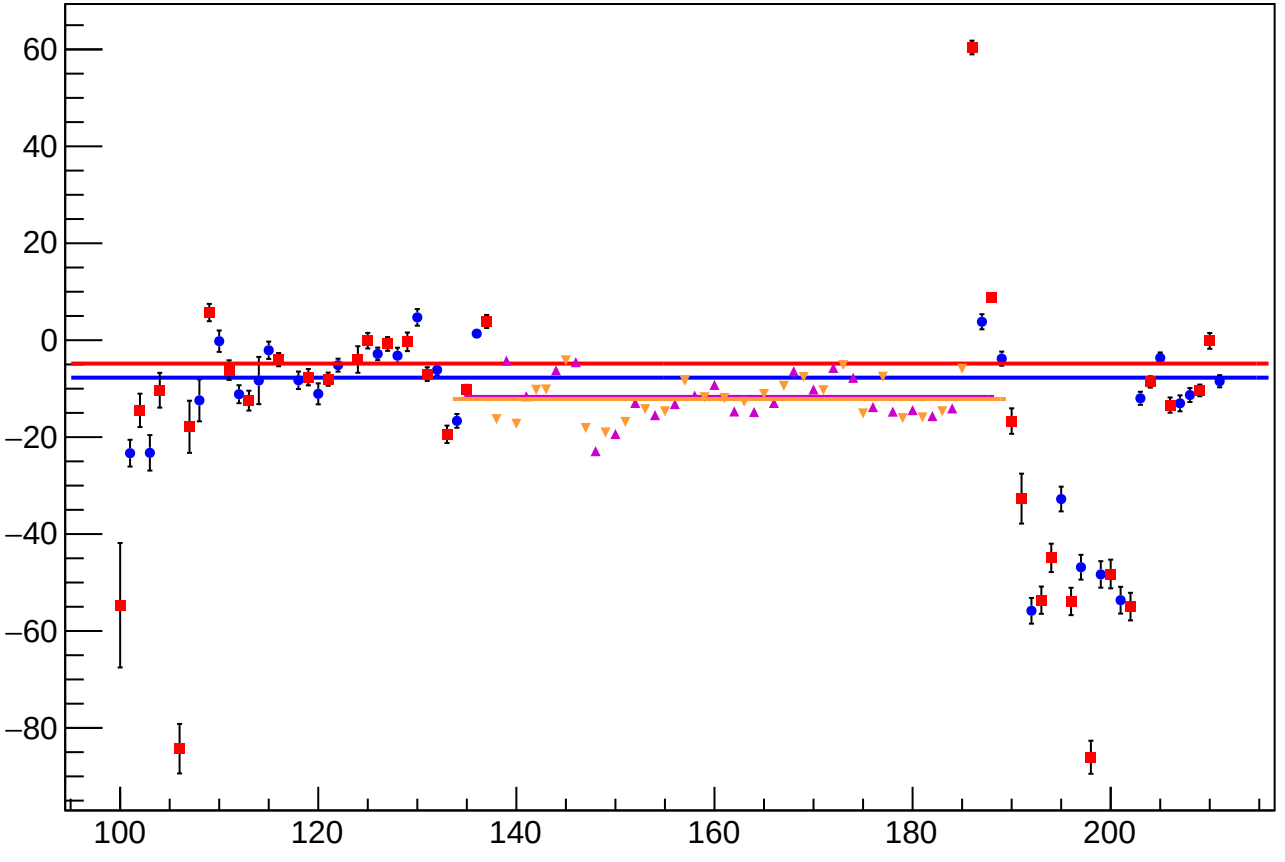
Right: -0.287+/-0.007 χ^2/NDF: 2705.2/60

In: -0.110+/-0.002 χ^2/NDF:1912.2/50

Out: -0.113+/-0.002 χ^2/NDF:2749.5/57

All: -0.111+/-0.002 χ^2/NDF: 4662.9/108

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.730+/-0.298 χ^2/NDF: 1634.3/27

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.823+/-0.300 χ^2/NDF: 4904.9/32

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

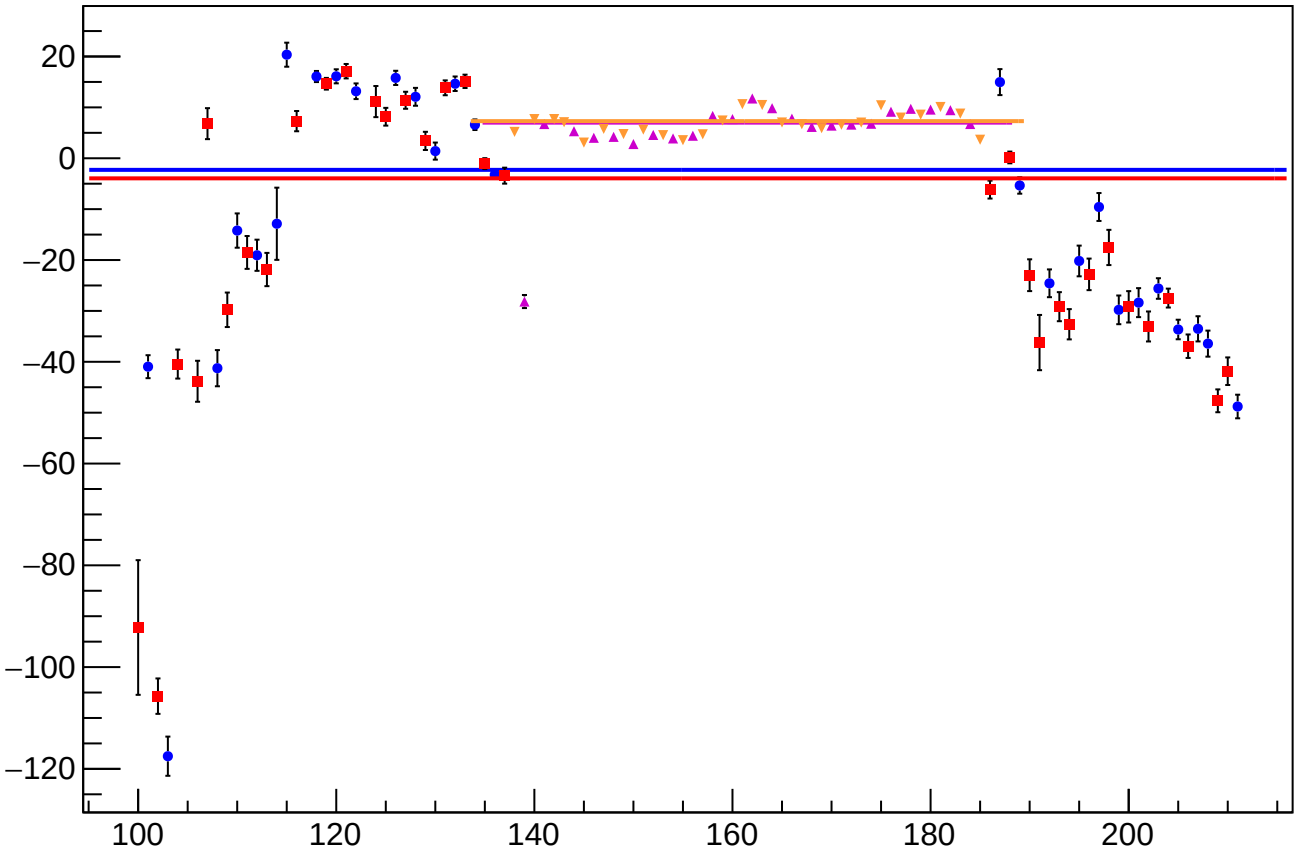
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -6.288+/-0.211 χ^2/NDF: 6586.6/60

In: -11.336+/-0.090 χ^2/NDF:3747.0/50

Out: -11.520+/-0.088 χ^2/NDF:7579.8/57

All: -11.431+/-0.063 χ^2/NDF: 11328.9/108



Right In: -2.278+/-0.335 χ^2/NDF: 3936.9/27

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -3.949+/-0.348 χ^2/NDF: 3750.0/32

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

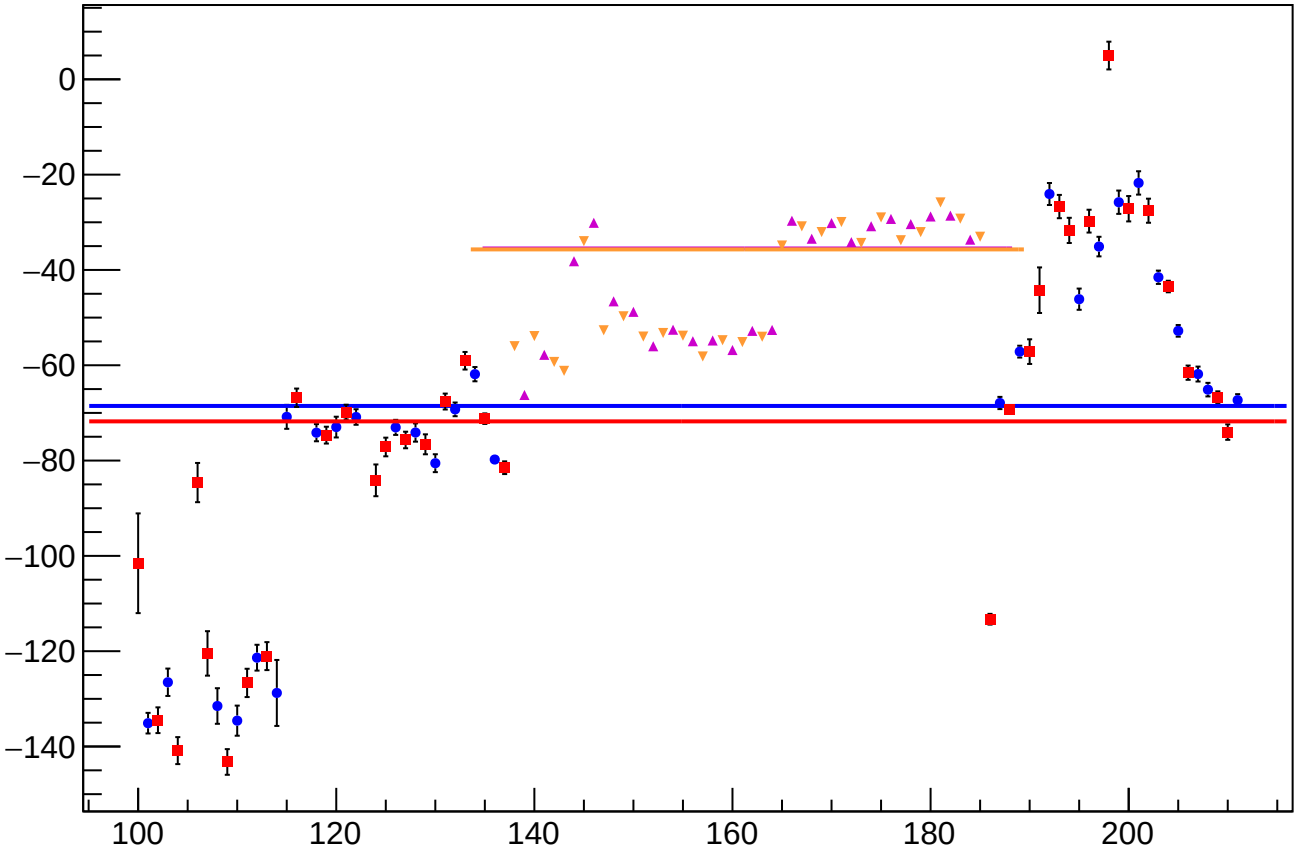
Right: -3.081+/-0.241 χ^2/NDF: 7698.8/60

In: 6.549+/-0.074 χ^2/NDF:6244.1/50

Out: 6.798+/-0.073 χ^2/NDF:5572.2/57

All: 6.675+/-0.052 χ^2/NDF: 11821.9/108

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.537+/-0.306 χ^2/NDF: 4955.1/27

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.775+/-0.301 χ^2/NDF: 6949.8/32

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

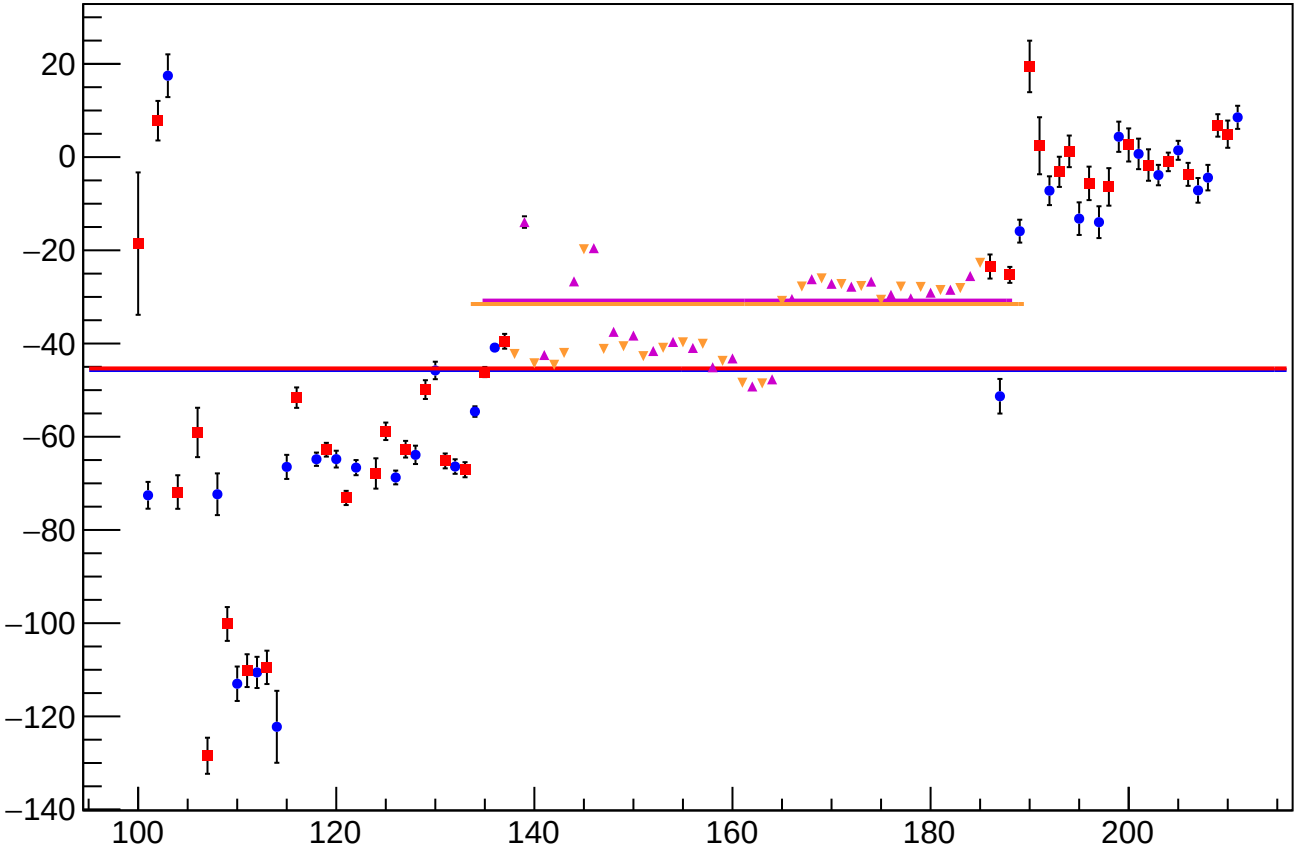
Right: -70.182+/-0.214 χ^2/NDF: 11961.9/60

In: -38.381+/-0.090 χ^2/NDF:26769.1/50

Out: -38.789+/-0.088 χ^2/NDF:32873.9/57

All: -38.590+/-0.063 χ^2/NDF: 59653.4/108

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.681+/-0.375 χ^2/NDF: 4978.4/27

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -45.341+/-0.399 χ^2/NDF: 5476.9/32

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

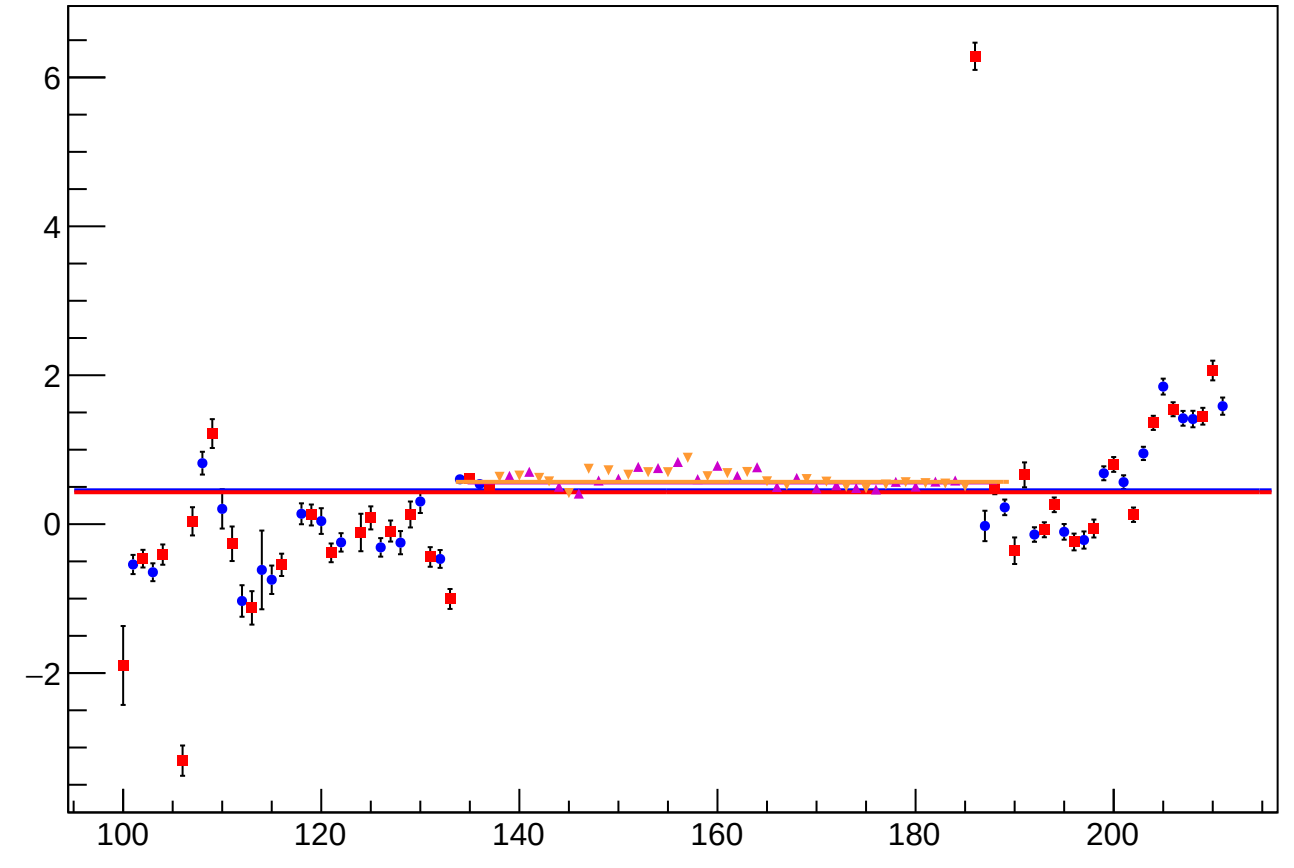
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

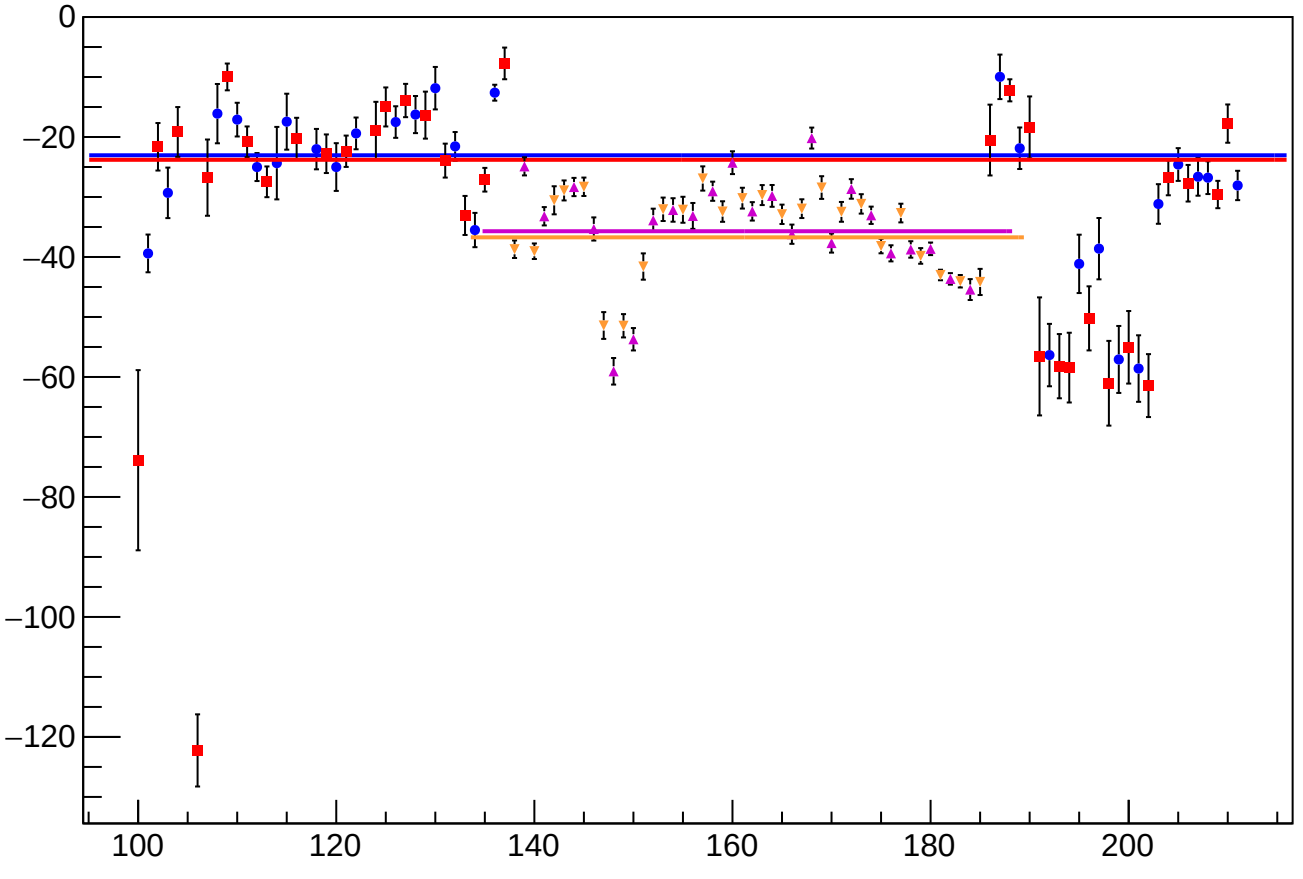
Right: -45.522+/-0.273 χ^2/NDF: 10455.6/60

In: -31.505+/-0.082 χ^2/NDF:14027.3/50

Out: -32.090+/-0.081 χ^2/NDF:15083.5/57

All: -31.801+/-0.058 χ^2/NDF: 29136.4/108


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.454+/-0.018 χ²/NDF: 1000.6/27
Left Out: 0.568+/-0.004 χ²/NDF:554.5/24
Right Out: 0.429+/-0.020 χ²/NDF: 2419.5/32
Left In: 0.560+/-0.004 χ²/NDF:671.5/22
Left: 0.564+/-0.003 χ²/NDF: 1228.5/47
Right: 0.442+/-0.013 χ²/NDF: 3421.1/60
In: 0.556+/-0.004 χ²/NDF:1704.0/50
Out: 0.564+/-0.004 χ²/NDF:3022.6/57
All: 0.560+/-0.003 χ²/NDF: 4729.0/108



Right In: -23.046+/-0.574 χ^2/NDF: 309.3/27

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.801+/-0.574 χ^2/NDF: 668.8/32

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

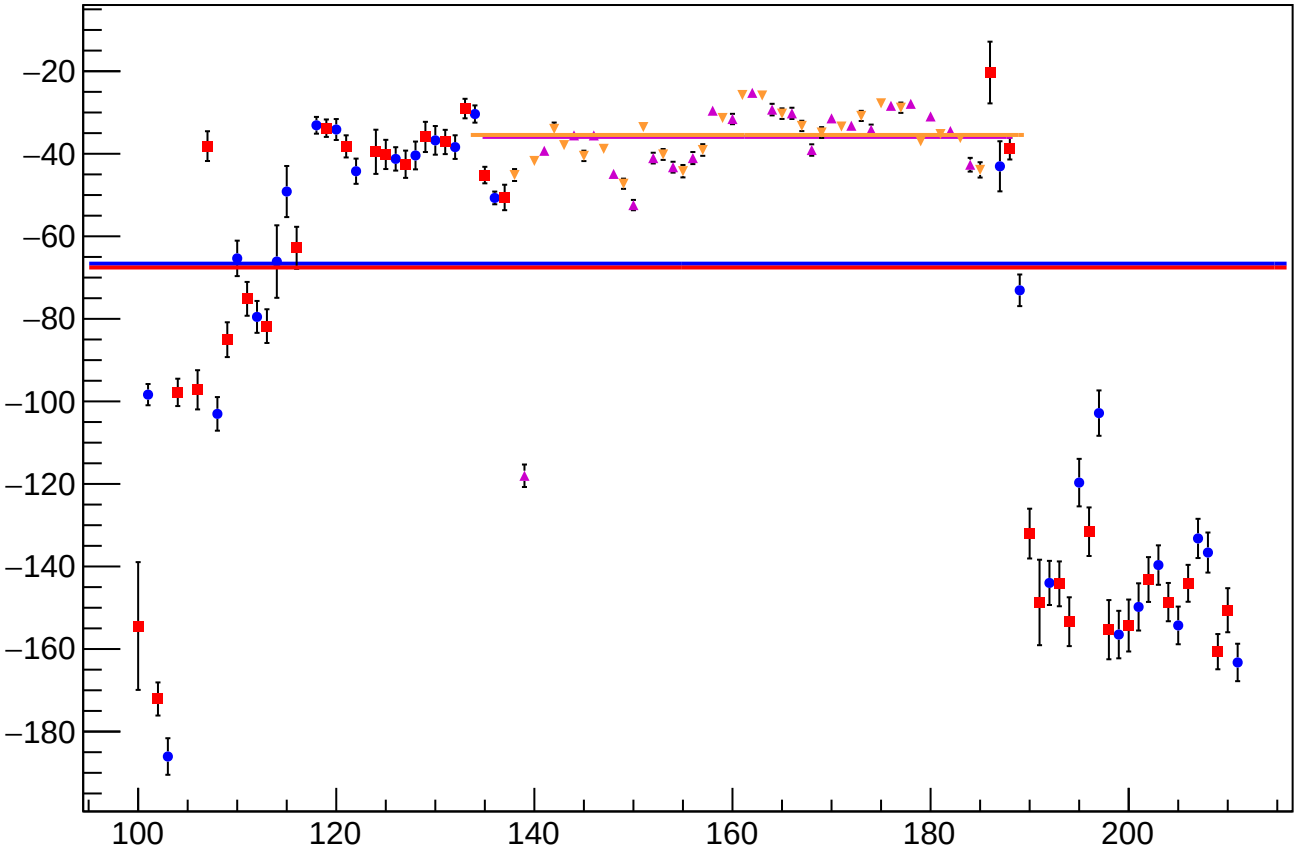
Right: -23.423+/-0.406 χ^2/NDF: 979.0/60

In: -32.657+/-0.282 χ^2/NDF:1257.5/50

Out: -33.803+/-0.273 χ^2/NDF:1481.9/57

All: -33.248+/-0.196 χ^2/NDF: 2747.9/108

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -66.627+/-0.636 χ^2/NDF: 4459.0/27

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -67.557+/-0.653 χ^2/NDF: 4768.7/32

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

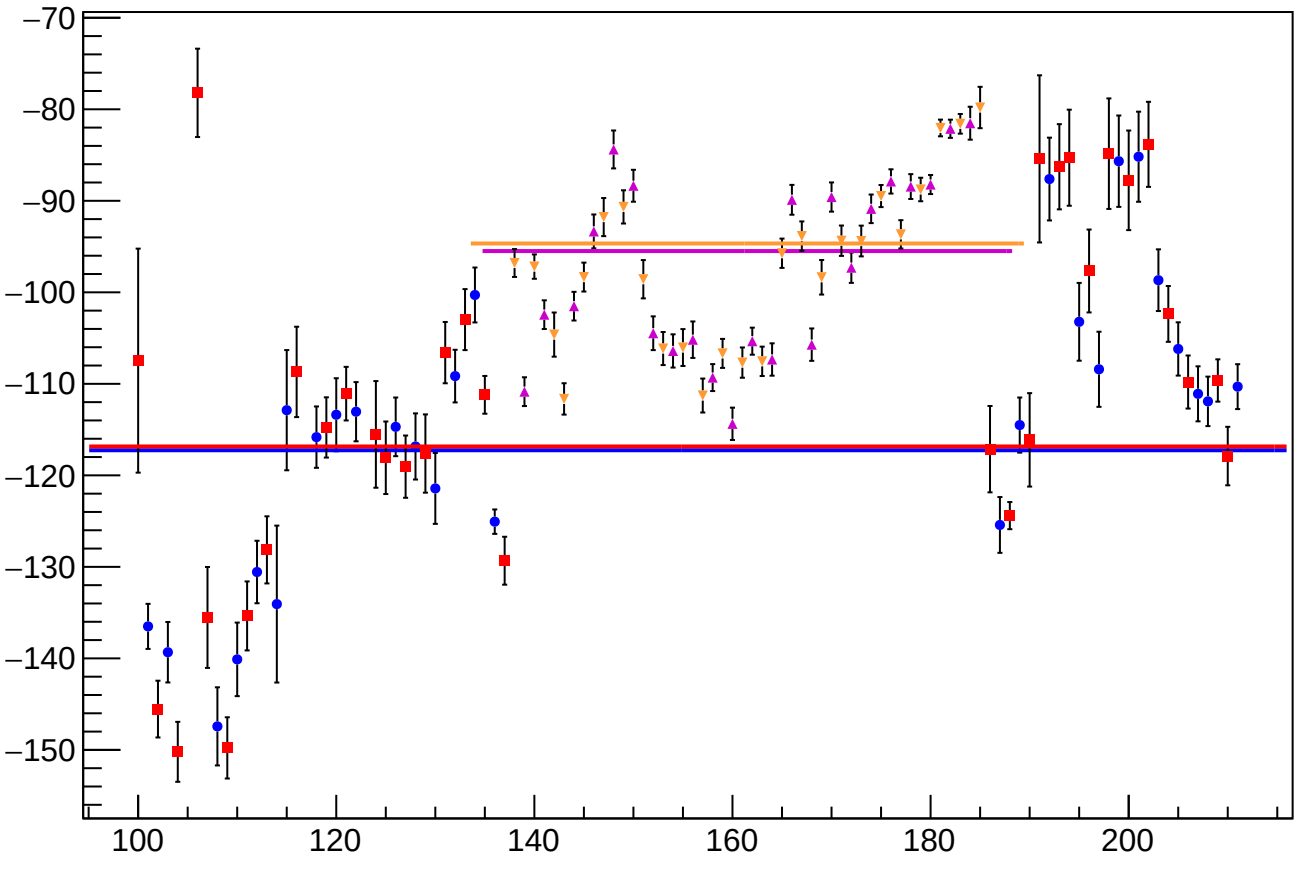
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -67.079+/-0.456 χ^2/NDF: 9228.7/60

In: -40.204+/-0.238 χ^2/NDF:8011.2/50

Out: -39.398+/-0.229 χ^2/NDF:7425.2/57

All: -39.787+/-0.165 χ^2/NDF: 15442.4/108



Right In: -117.258+/-0.591 χ^2/NDF: 496.2/27

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.845+/-0.591 χ^2/NDF: 740.8/32

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

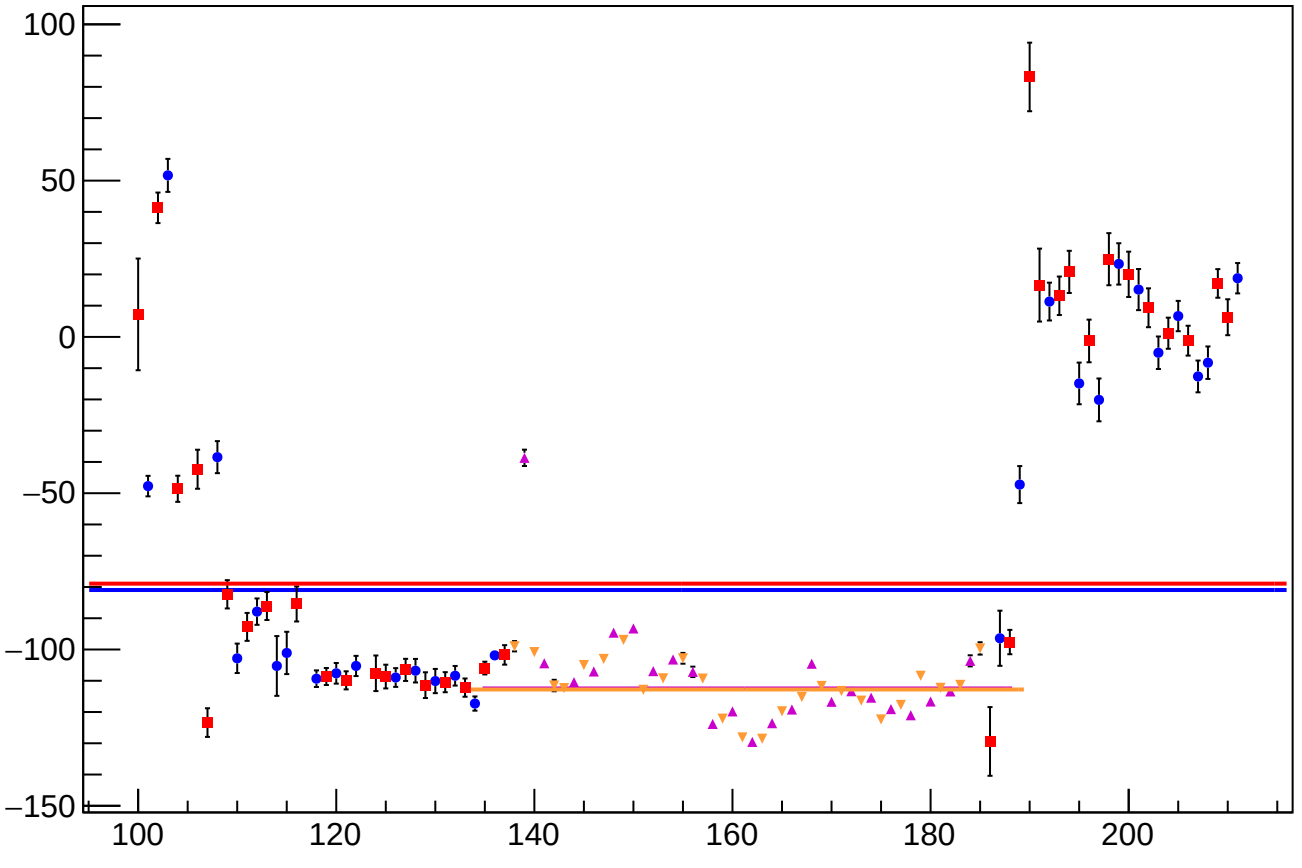
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.051+/-0.418 χ^2/NDF: 1237.3/60

In: -100.449+/-0.282 χ^2/NDF:2512.9/50

Out: -99.439+/-0.274 χ^2/NDF:2744.5/57

All: -99.930+/-0.197 χ^2/NDF: 5264.0/108



Right In: -80.969+/-0.717 χ^2/NDF: 4028.8/27

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -78.929+/-0.748 χ^2/NDF: 4351.0/32

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

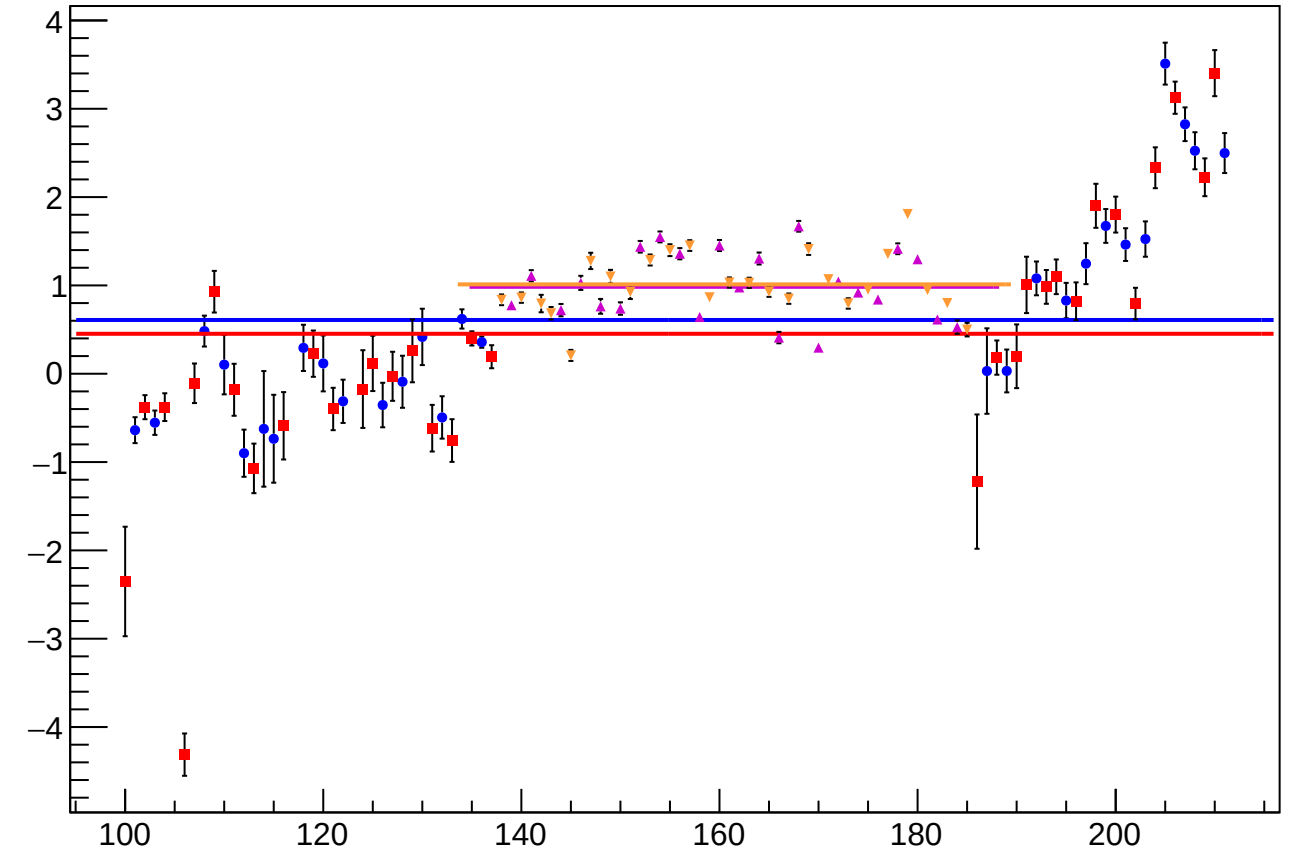
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -79.992+/-0.517 χ^2/NDF: 8383.7/60

In: -108.170+/-0.265 χ^2/NDF:7484.9/50

Out: -108.782+/-0.257 χ^2/NDF:7096.6/57

All: -108.485+/-0.184 χ^2/NDF: 14584.2/108



Right In: 0.609+/-0.034 χ^2/NDF: 796.7/27

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.452+/-0.036 χ^2/NDF: 1189.6/32

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

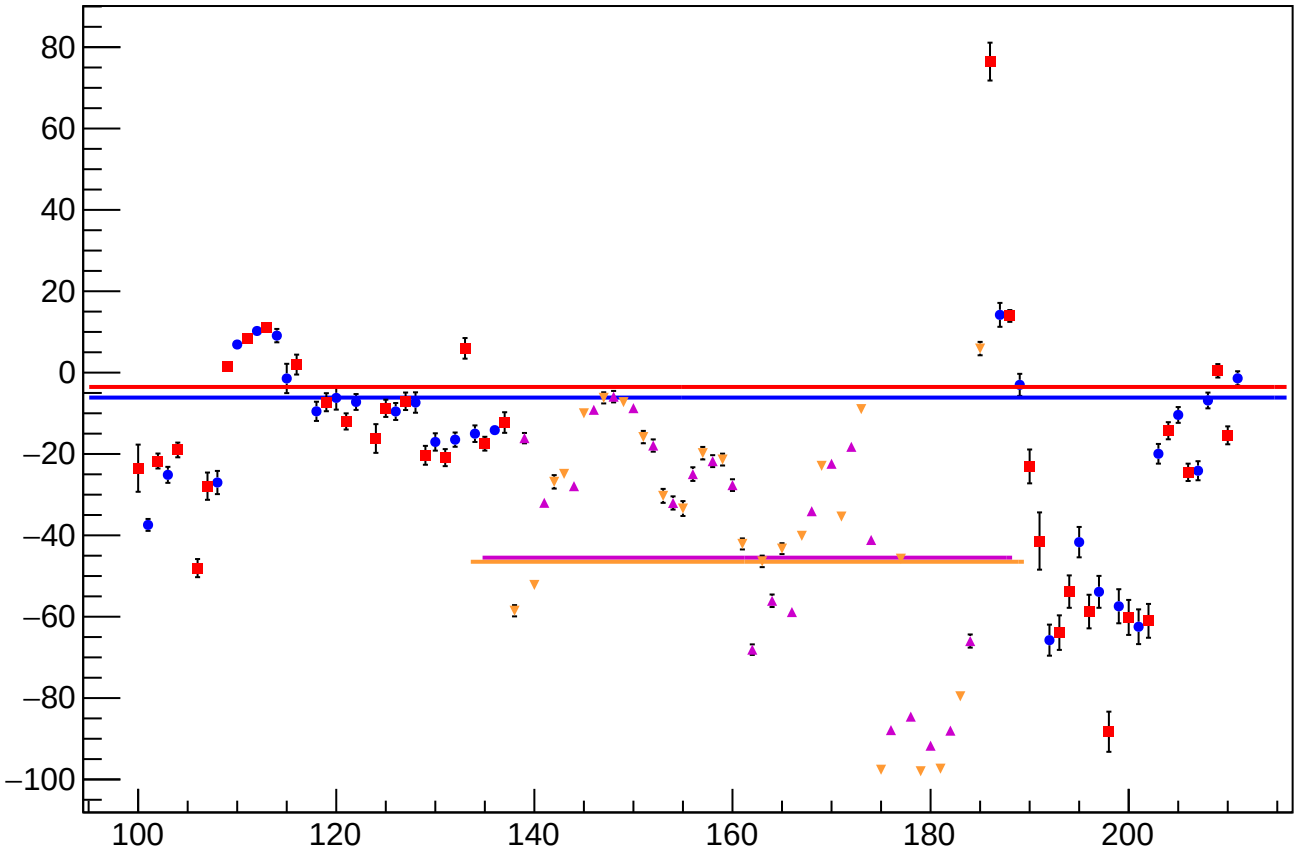
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.534+/-0.025 χ^2/NDF: 1996.2/60

In: 0.940+/-0.012 χ^2/NDF:1802.4/50

Out: 0.953+/-0.012 χ^2/NDF:2097.8/57

All: 0.947+/-0.008 χ^2/NDF: 3900.9/108



Right In: -6.135+/-0.337 χ^2/NDF: 2537.1/27

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.525+/-0.306 χ^2/NDF: 3409.3/32

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

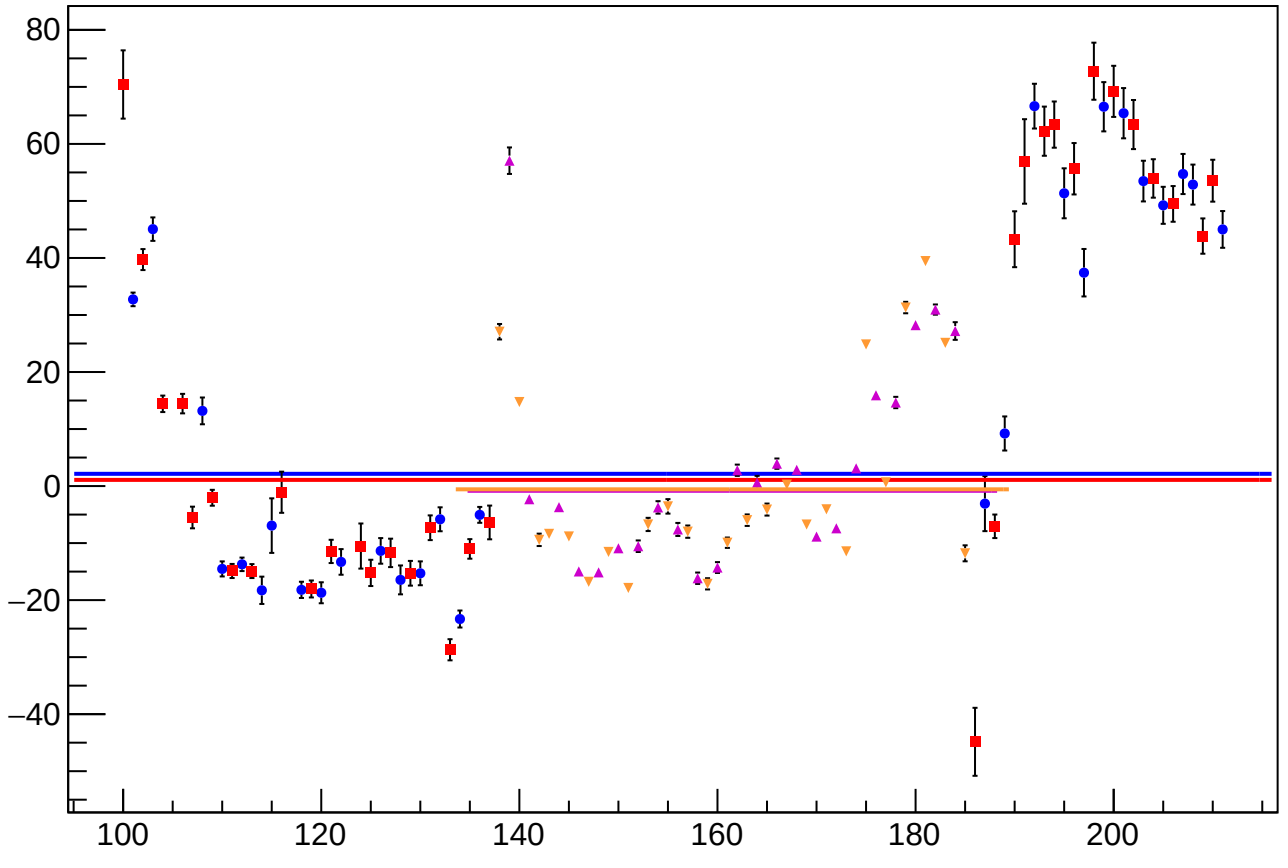
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -4.706+/-0.226 χ^2/NDF: 5979.3/60

In: -32.390+/-0.194 χ^2/NDF:27230.8/50

Out: -30.975+/-0.184 χ^2/NDF:36051.4/57

All: -31.644+/-0.134 χ^2/NDF: 63310.2/108



Right In: 2.148+/-0.400 χ^2/NDF: 4332.0/27

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 1.083+/-0.389 χ^2/NDF: 4066.5/32

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

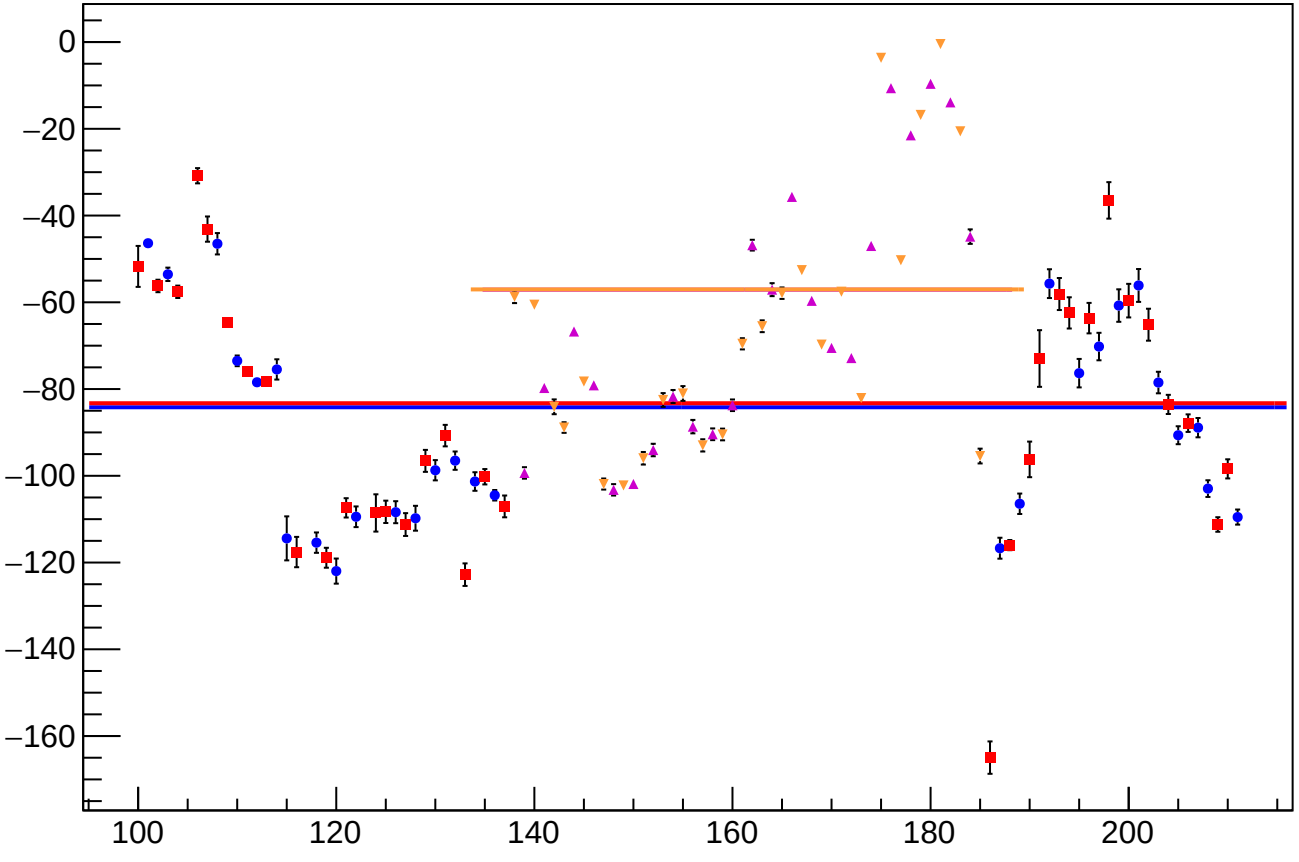
Right: 1.601+/-0.279 χ^2/NDF: 8402.1/60

In: -0.313+/-0.166 χ^2/NDF:10494.3/50

Out: -0.288+/-0.161 χ^2/NDF:12533.0/57

All: -0.300+/-0.116 χ^2/NDF: 23027.3/108

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.201+/-0.373 χ^2/NDF: 3709.6/27

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.270+/-0.352 χ^2/NDF: 5228.6/32

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

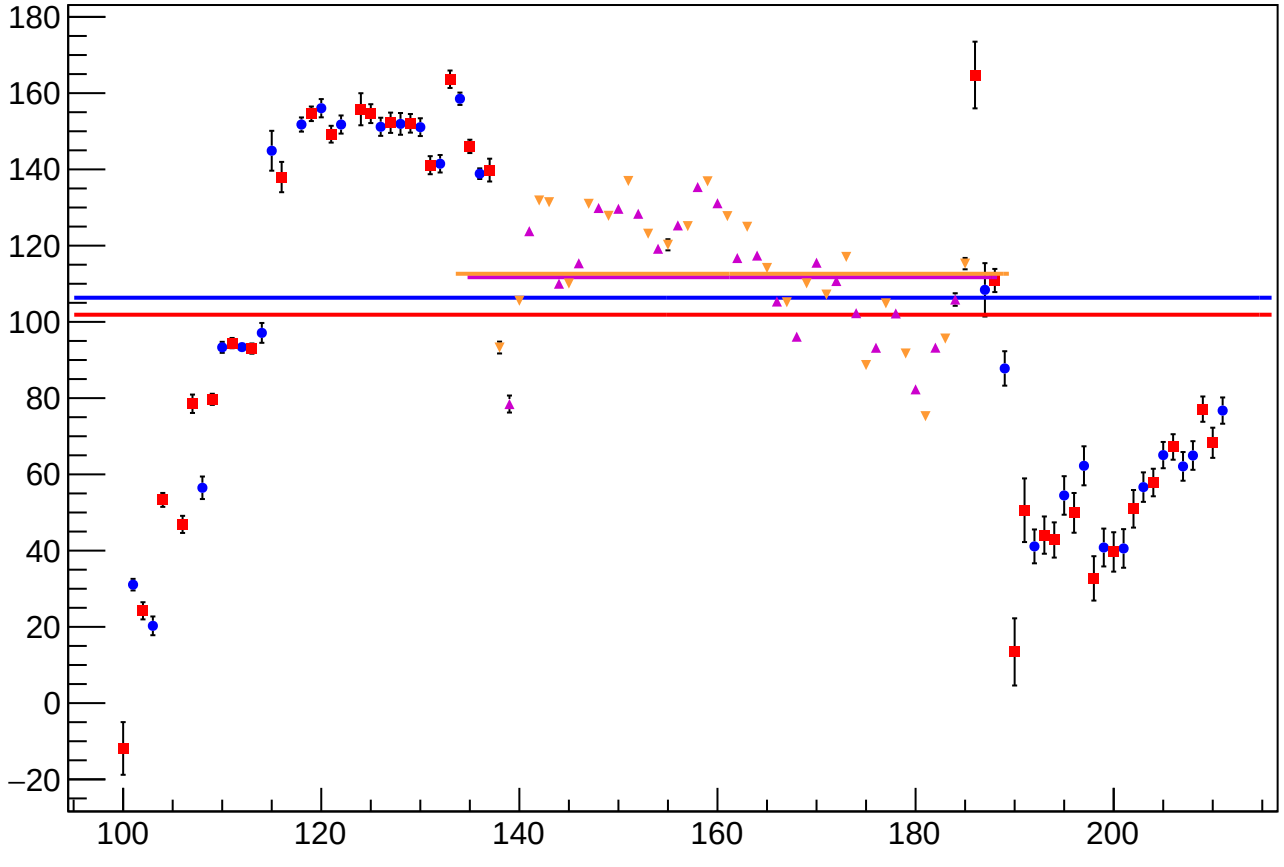
Right: -83.708+/-0.256 χ^2/NDF: 8941.4/60

In: -64.860+/-0.200 χ^2/NDF:24639.9/50

Out: -64.880+/-0.192 χ^2/NDF:29436.6/57

All: -64.870+/-0.139 χ^2/NDF: 54076.5/108

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 106.339+/-0.455 χ^2/NDF: 9794.5/27

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 101.880+/-0.445 χ^2/NDF: 9060.9/32

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

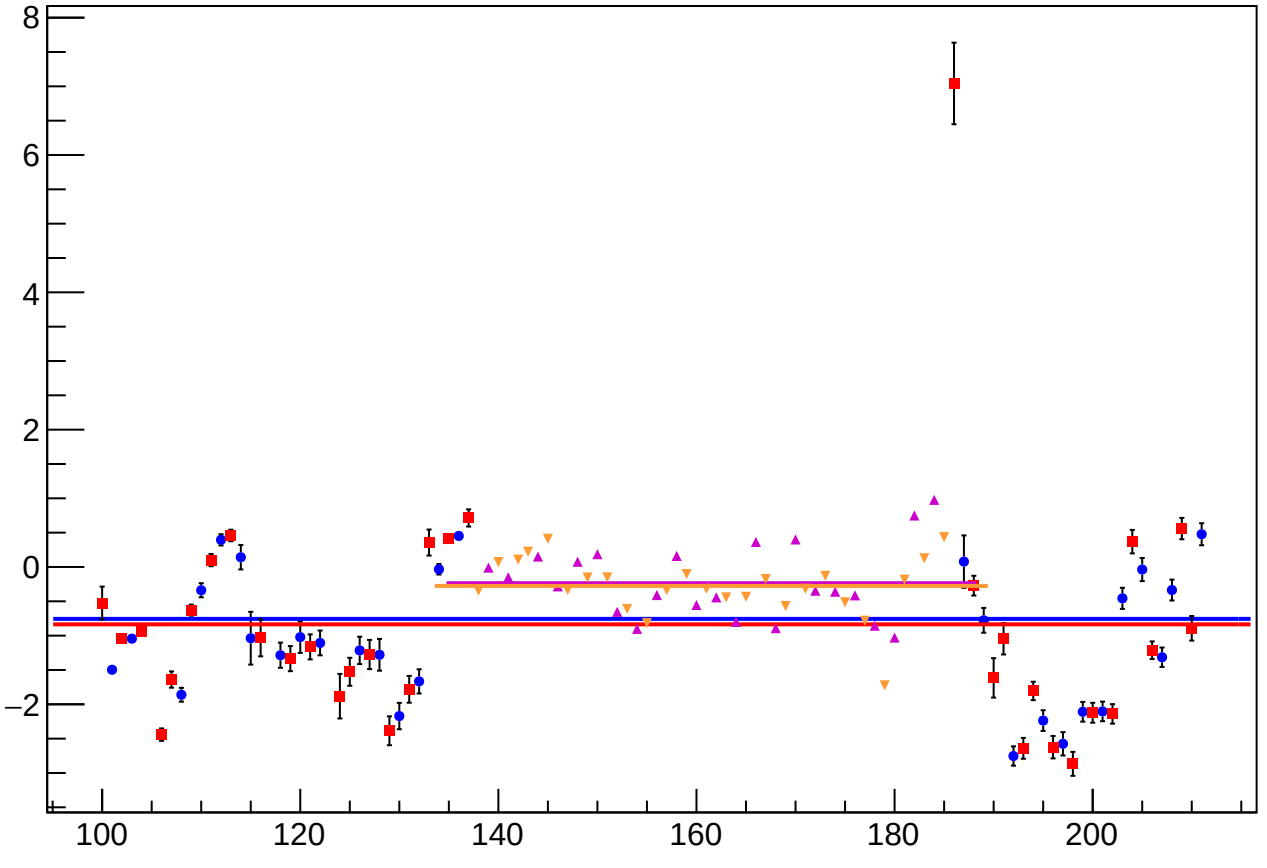
Right: 104.060+/-0.318 χ^2/NDF: 18904.5/60

In: 110.804+/-0.188 χ^2/NDF:14807.5/50

Out: 110.819+/-0.182 χ^2/NDF:16254.4/57

All: 110.811+/-0.131 χ^2/NDF: 31061.9/108

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.756+/-0.022 χ^2/NDF: 1849.7/27

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.836+/-0.022 χ^2/NDF: 2316.8/32

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

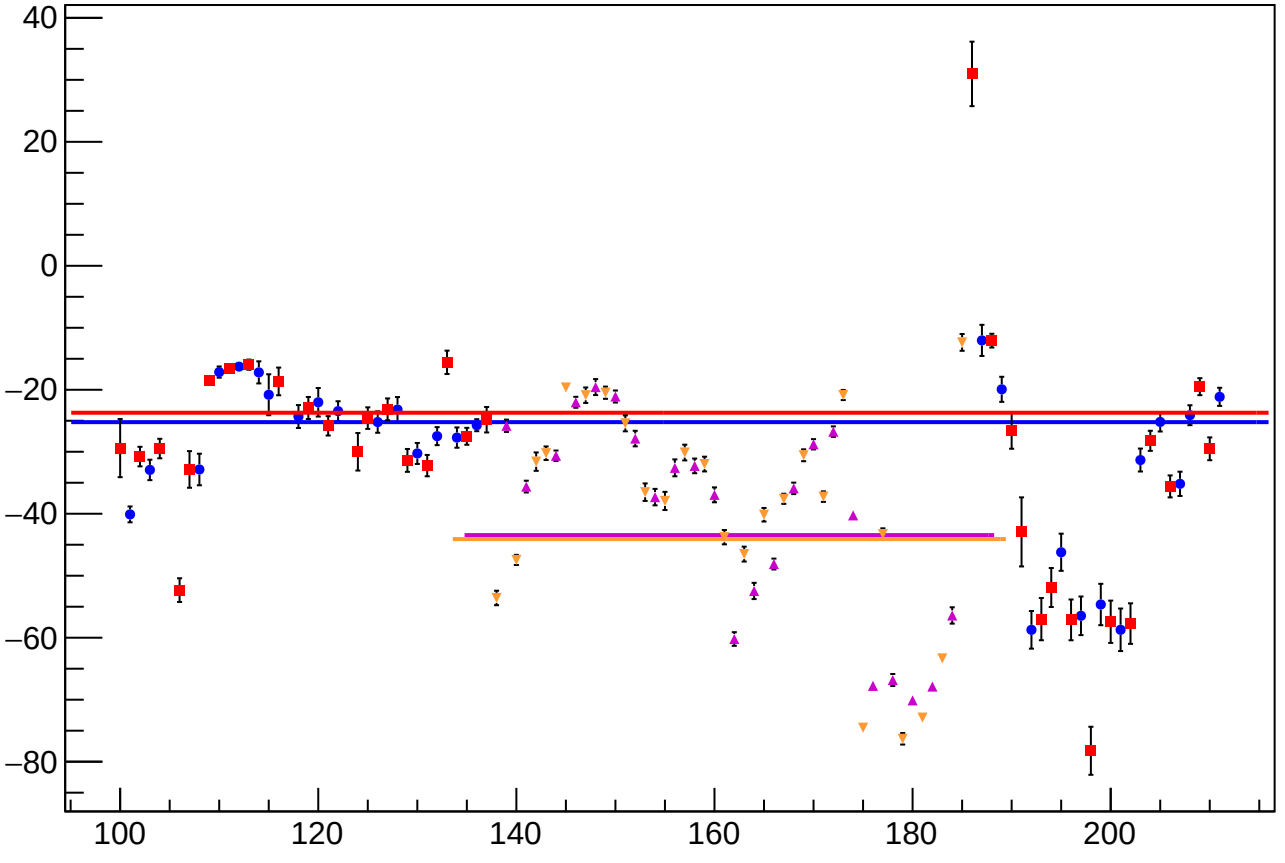
Right: -0.797+/-0.016 χ^2/NDF: 4173.0/60

In: -0.311+/-0.009 χ^2/NDF:5267.7/50

Out: -0.357+/-0.008 χ^2/NDF:4999.7/57

All: -0.334+/-0.006 χ^2/NDF: 10282.3/108

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.223+/-0.302 χ^2/NDF: 951.8/27

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.705+/-0.281 χ^2/NDF: 1557.4/32

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

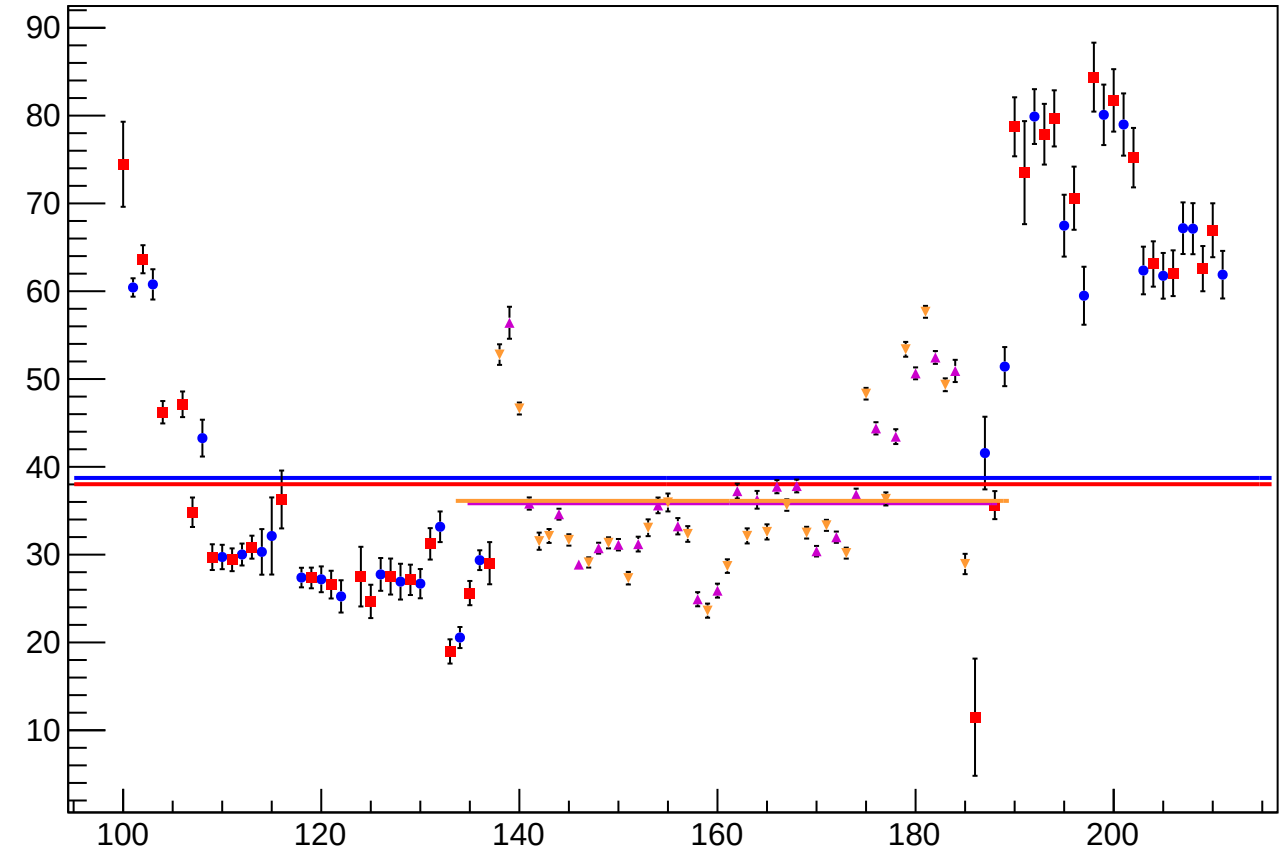
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.408+/-0.206 χ^2/NDF: 2522.7/60

In: -37.936+/-0.166 χ^2/NDF:11313.9/50

Out: -37.540+/-0.159 χ^2/NDF:15479.5/57

All: -37.730+/-0.115 χ^2/NDF: 26796.3/108



Right In: 38.735+/-0.344 χ^2/NDF: 2351.8/27

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.021+/-0.337 χ^2/NDF: 2419.2/32

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

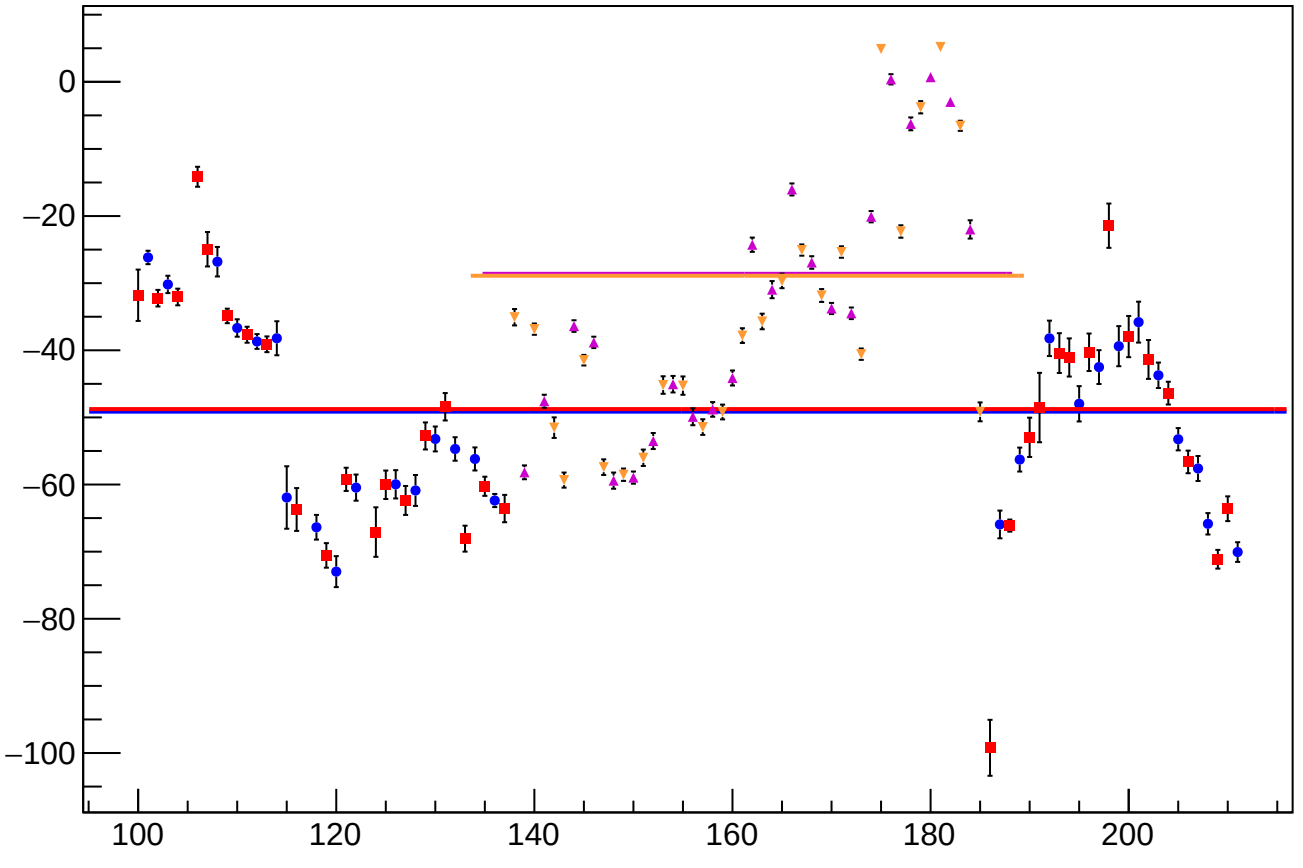
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.372+/-0.241 χ^2/NDF: 4773.3/60

In: 36.338+/-0.141 χ^2/NDF:4703.8/50

Out: 36.436+/-0.137 χ^2/NDF:6004.2/57

All: 36.389+/-0.098 χ^2/NDF: 10708.2/108



Right In: -49.140+/-0.323 χ^2/NDF: 2032.8/27

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -48.760+/-0.307 χ^2/NDF: 2819.1/32

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

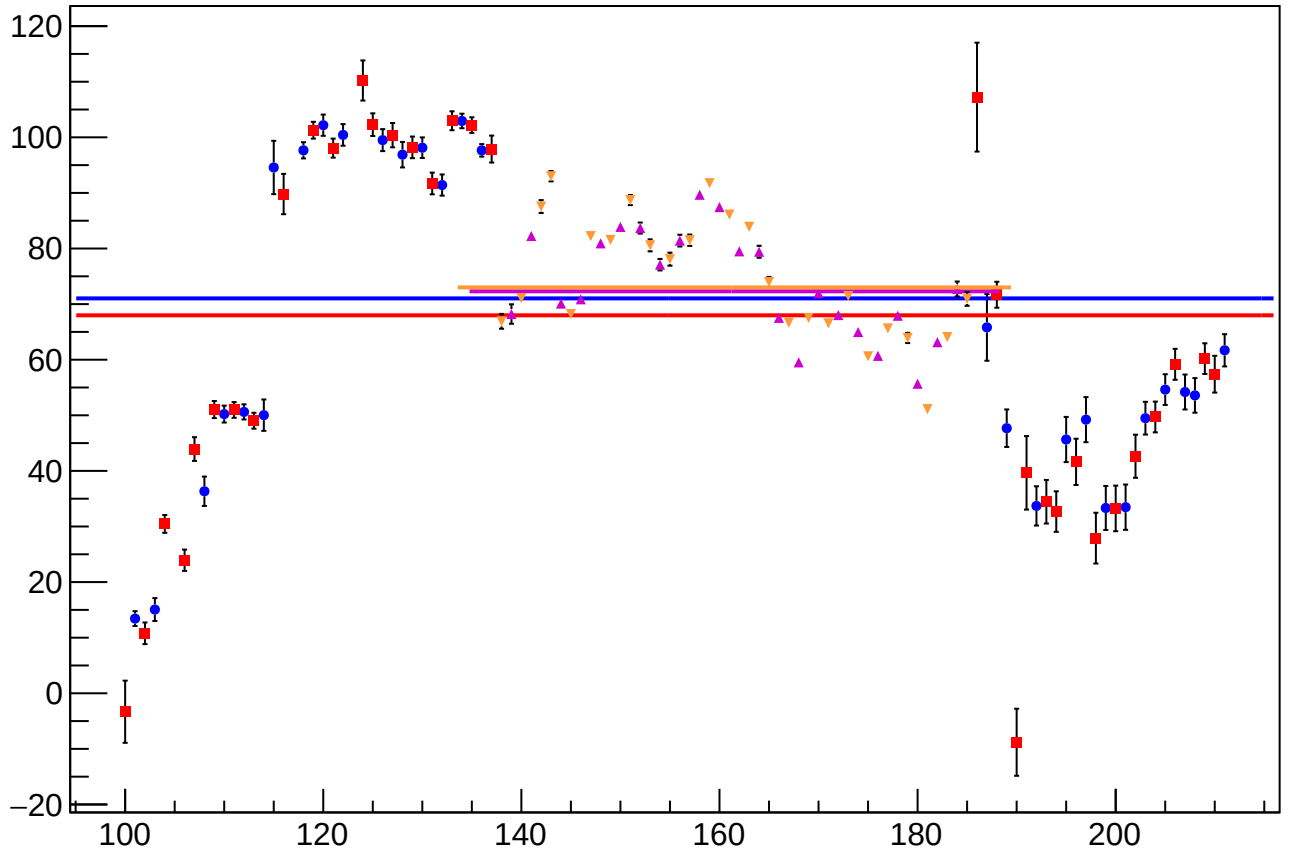
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -48.940+/-0.222 χ^2/NDF: 4852.6/60

In: -34.204+/-0.169 χ^2/NDF:14987.1/50

Out: -34.515+/-0.163 χ^2/NDF:17625.0/57

All: -34.365+/-0.117 χ^2/NDF: 32613.9/108



Right In: 71.029+/-0.393 χ^2/NDF: 6479.8/27

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.986+/-0.389 χ^2/NDF: 6364.7/32

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

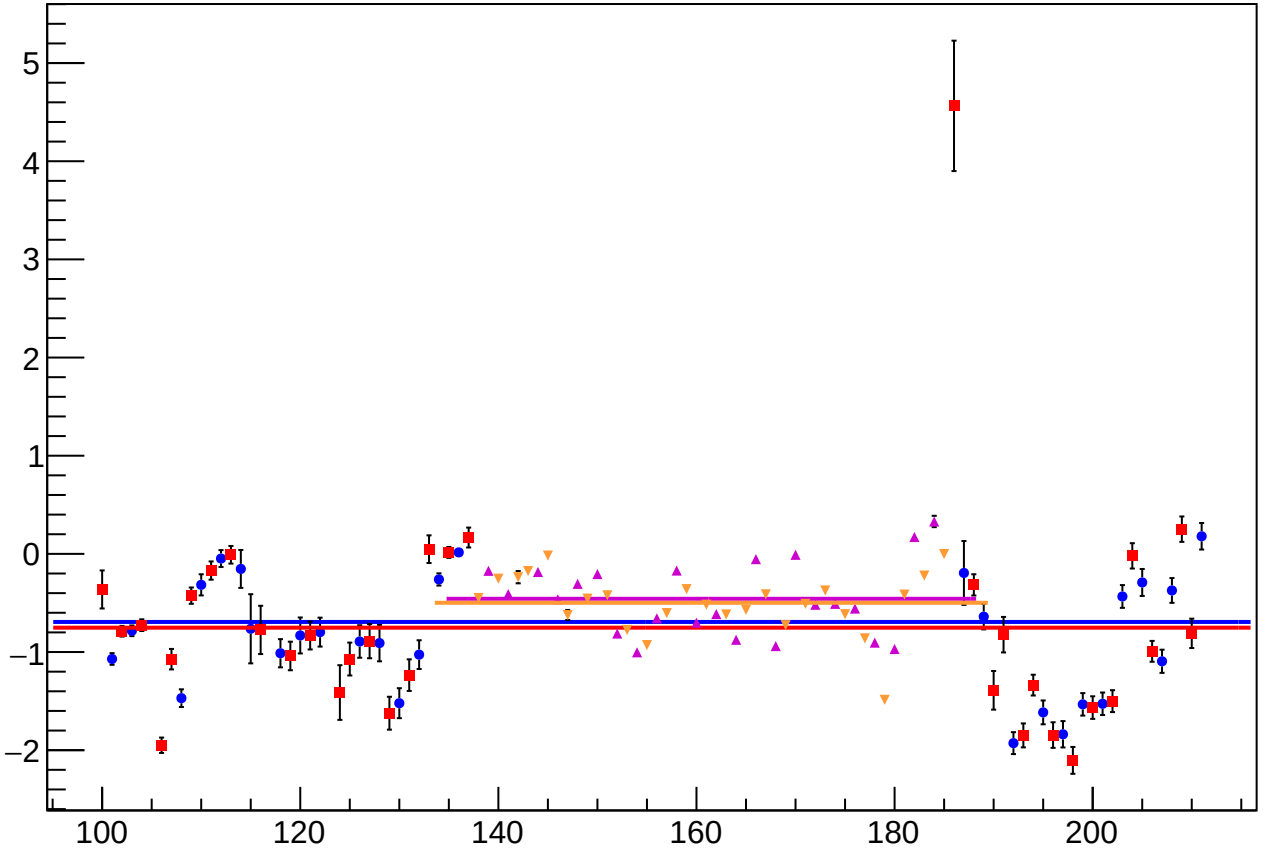
Right: 69.492+/-0.276 χ^2/NDF: 12874.9/60

In: 72.095+/-0.159 χ^2/NDF:9401.2/50

Out: 72.209+/-0.155 χ^2/NDF:10557.3/57

All: 72.153+/-0.111 χ^2/NDF: 19958.7/108

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.694+/-0.019 χ^2/NDF: 962.3/27

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.752+/-0.019 χ^2/NDF: 1290.3/32

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

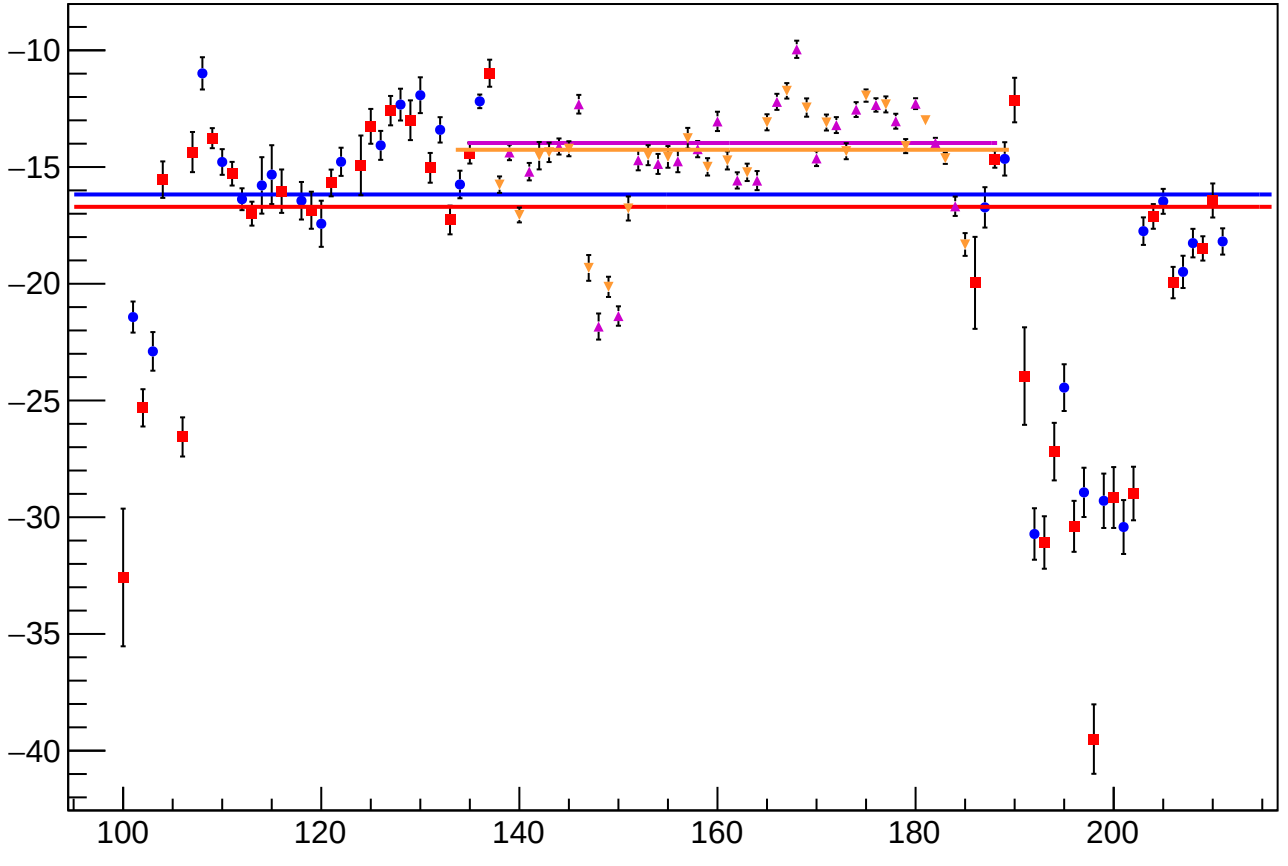
Right: -0.723+/-0.013 χ^2/NDF: 2257.3/60

In: -0.491+/-0.007 χ^2/NDF:3197.9/50

Out: -0.533+/-0.007 χ^2/NDF:2931.3/57

All: -0.512+/-0.005 χ^2/NDF: 6147.7/108

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.175+/-0.123 χ^2/NDF: 1213.6/27

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.705+/-0.120 χ^2/NDF: 1507.1/32

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

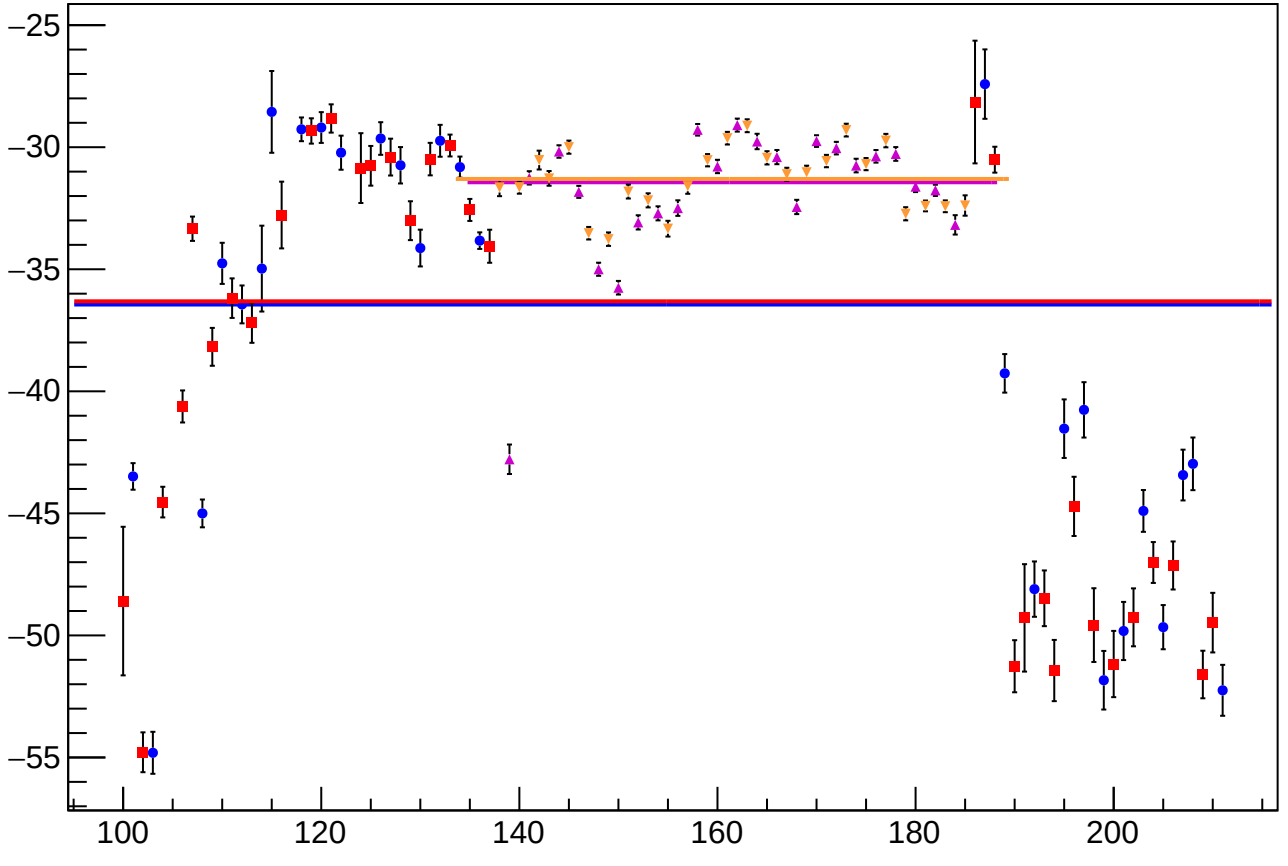
Right: -16.444+/-0.086 χ^2/NDF: 2730.2/60

In: -14.535+/-0.062 χ^2/NDF:2362.2/50

Out: -14.873+/-0.060 χ^2/NDF:2539.5/57

All: -14.709+/-0.043 χ^2/NDF: 4917.0/108

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -36.444+/-0.137 χ^2/NDF: 2916.2/27

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.313+/-0.135 χ^2/NDF: 3271.4/32

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

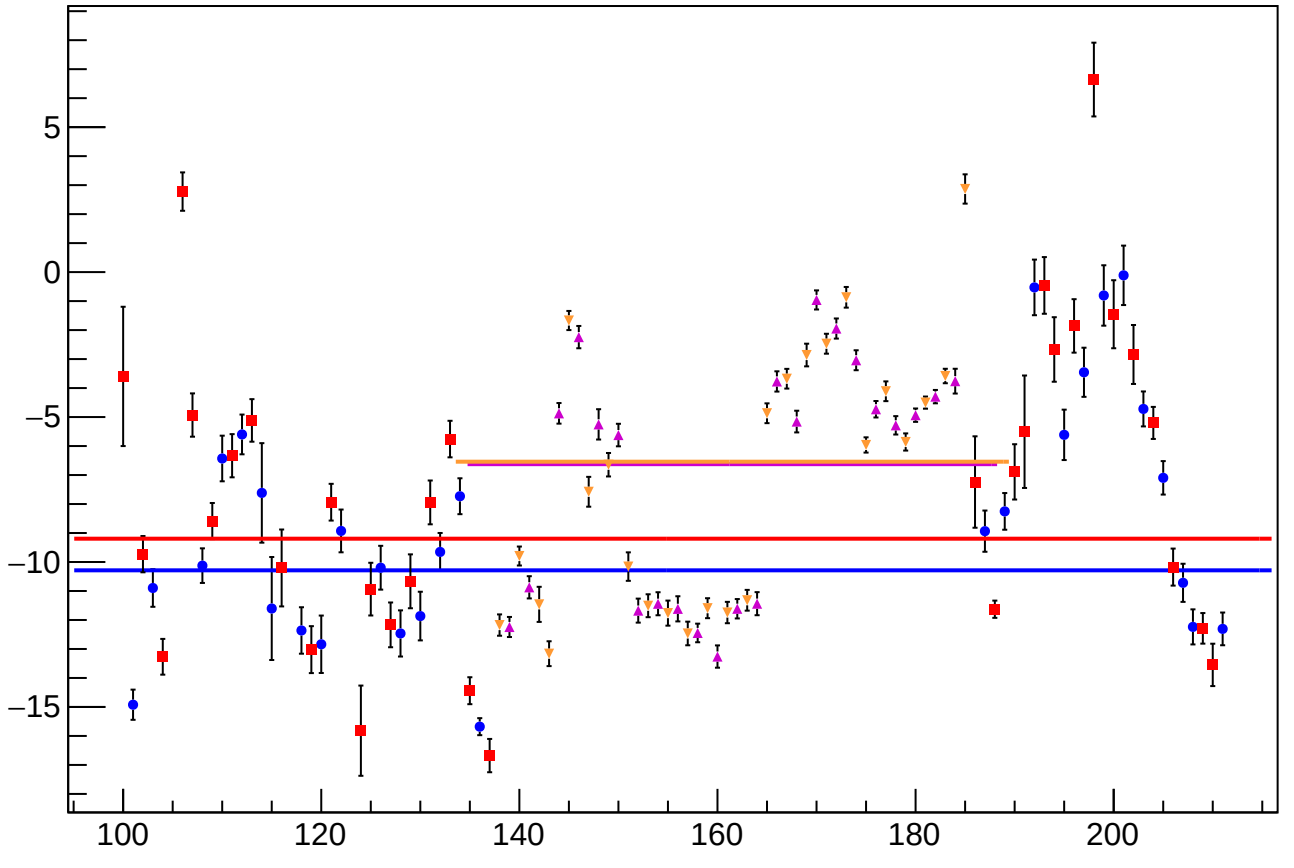
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.378+/-0.096 χ^2/NDF: 6188.1/60

In: -32.185+/-0.053 χ^2/NDF:5274.2/50

Out: -32.019+/-0.051 χ^2/NDF:5005.2/57

All: -32.100+/-0.037 χ^2/NDF: 10284.6/108



Right In: -10.287+/-0.126 χ^2/NDF: 1069.6/27

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.196+/-0.123 χ^2/NDF: 1469.1/32

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

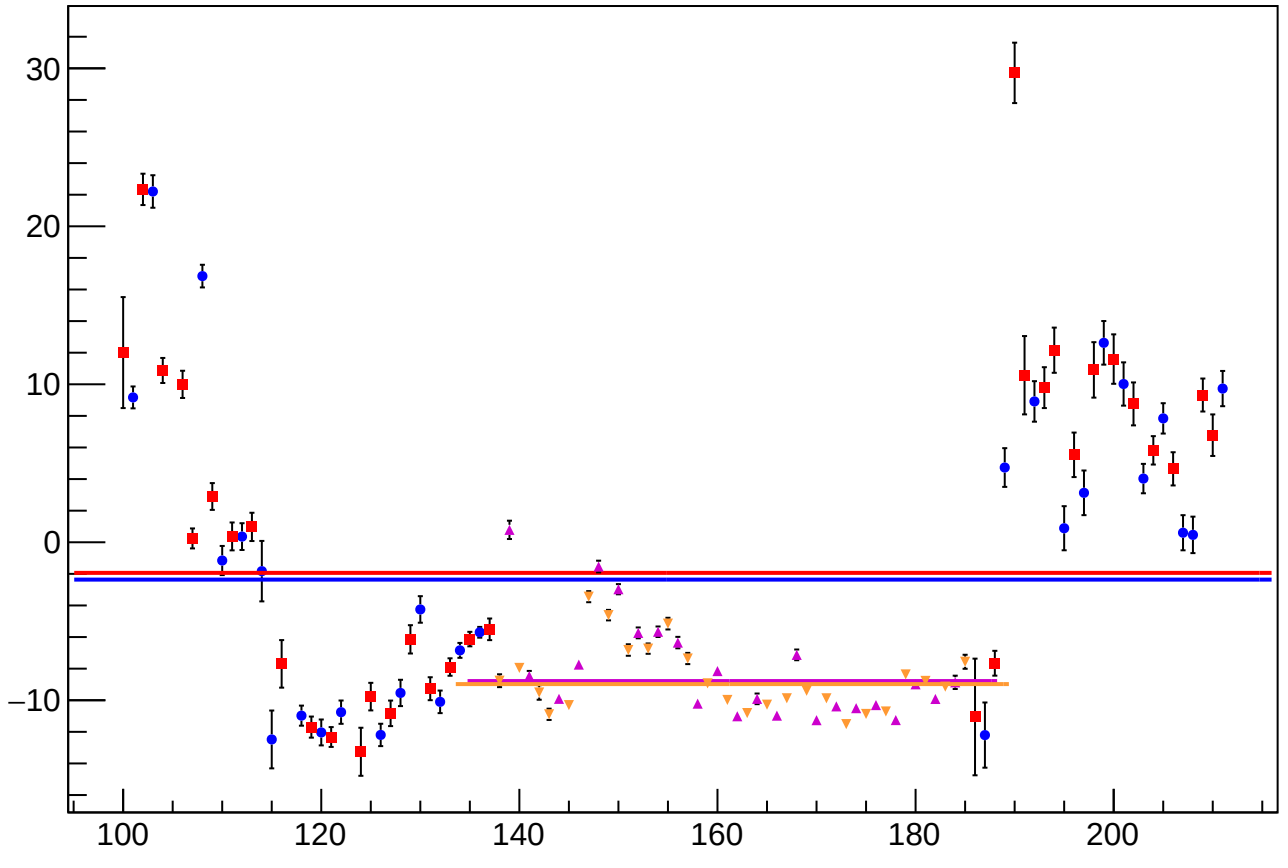
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.728+/-0.088 χ^2/NDF: 2577.2/60

In: -7.517+/-0.062 χ^2/NDF:4617.7/50

Out: -7.184+/-0.061 χ^2/NDF:5065.7/57

All: -7.346+/-0.043 χ^2/NDF: 9698.1/108



Right In: -2.364+/-0.154 χ^2/NDF: 3278.9/27

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.937+/-0.156 χ^2/NDF: 3270.5/32

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

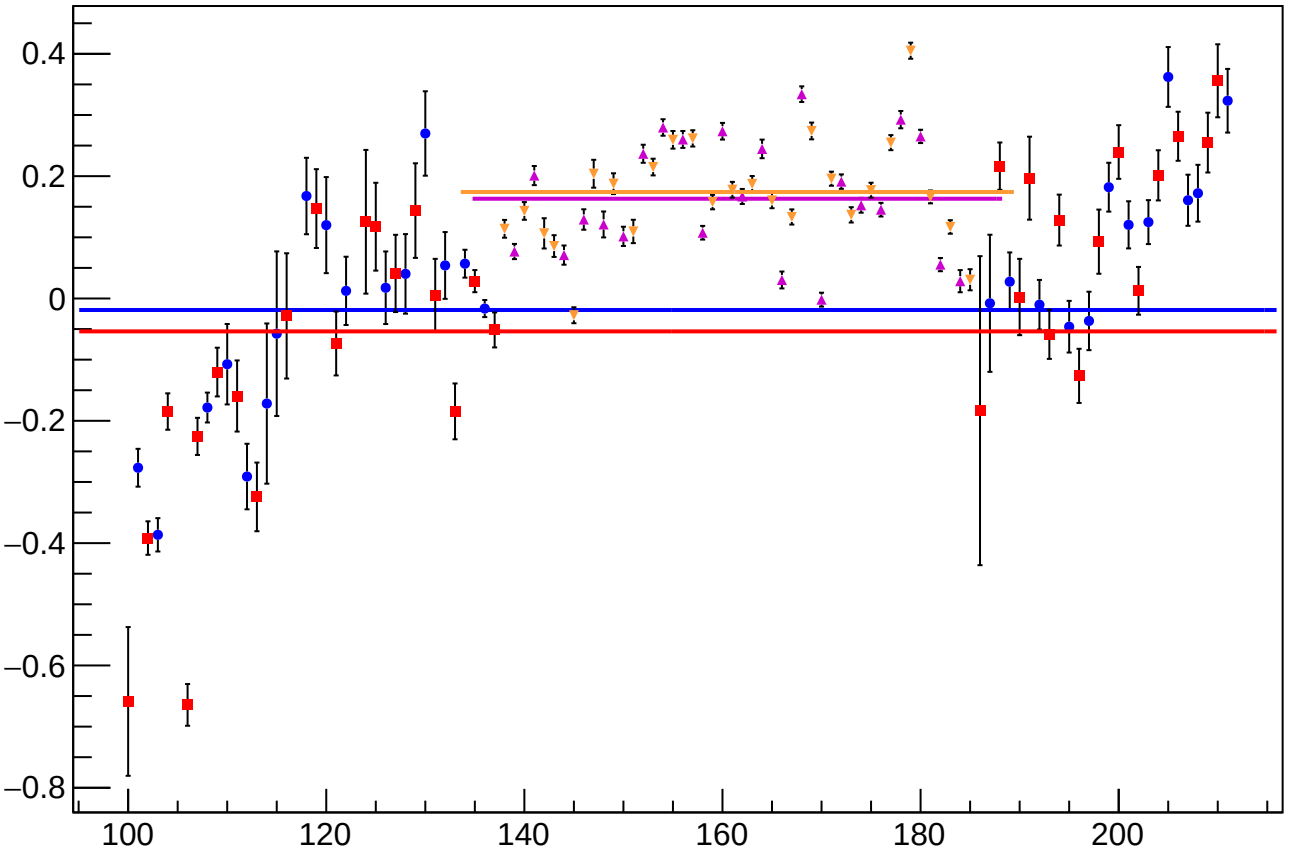
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.153+/-0.110 χ^2/NDF: 6553.1/60

In: -7.857+/-0.059 χ^2/NDF:6445.7/50

Out: -8.035+/-0.057 χ^2/NDF:5998.4/57

All: -7.949+/-0.041 χ^2/NDF: 12448.7/108



Right In: -0.019+/-0.007 χ^2/NDF: 562.2/27

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.054+/-0.007 χ^2/NDF: 964.5/32

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

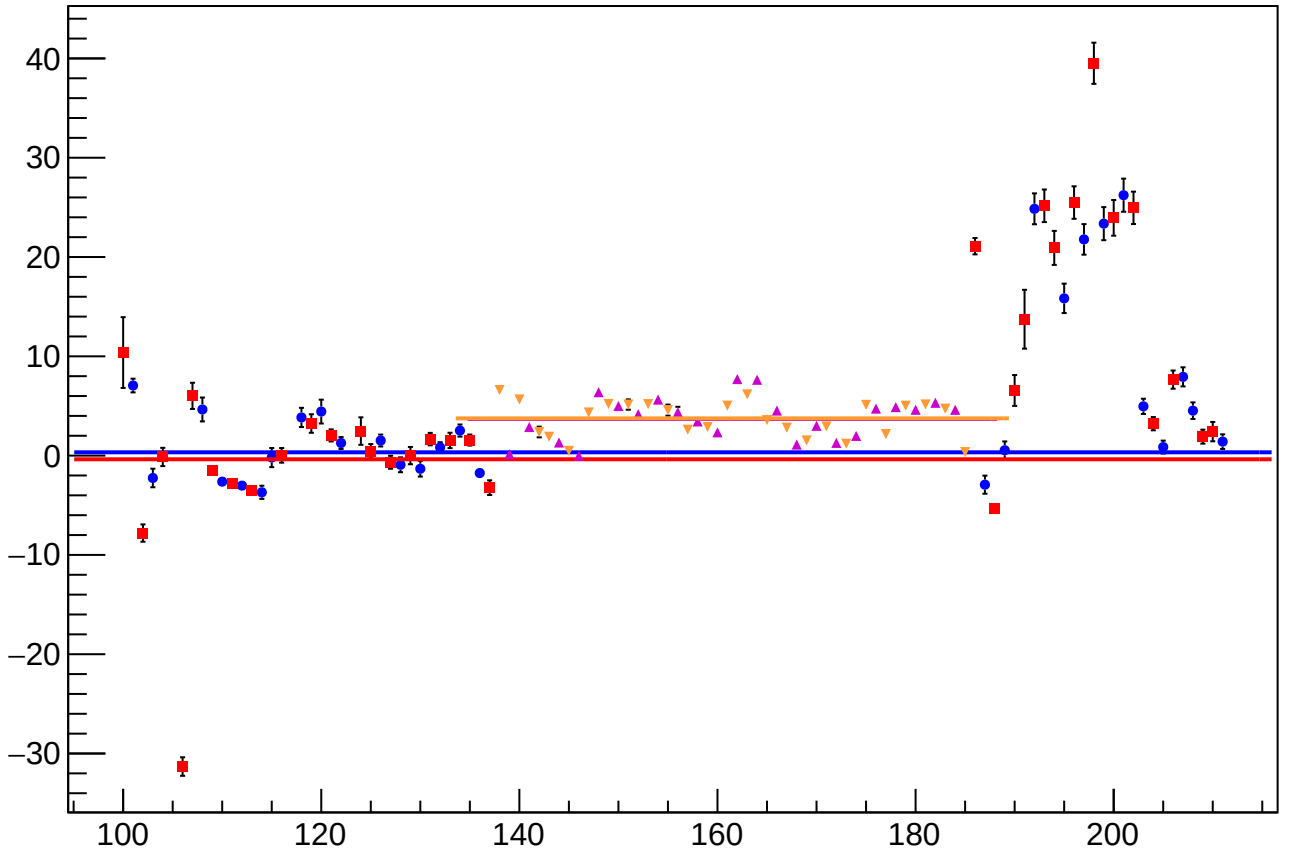
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.036+/-0.005 χ^2/NDF: 1538.4/60

In: 0.139+/-0.003 χ^2/NDF:2321.9/50

Out: 0.147+/-0.003 χ^2/NDF:2731.3/57

All: 0.143+/-0.002 χ^2/NDF: 5057.5/108



Right In: 0.333+/-0.123 χ^2/NDF: 1584.5/27

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.368+/-0.115 χ^2/NDF: 3860.5/32

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

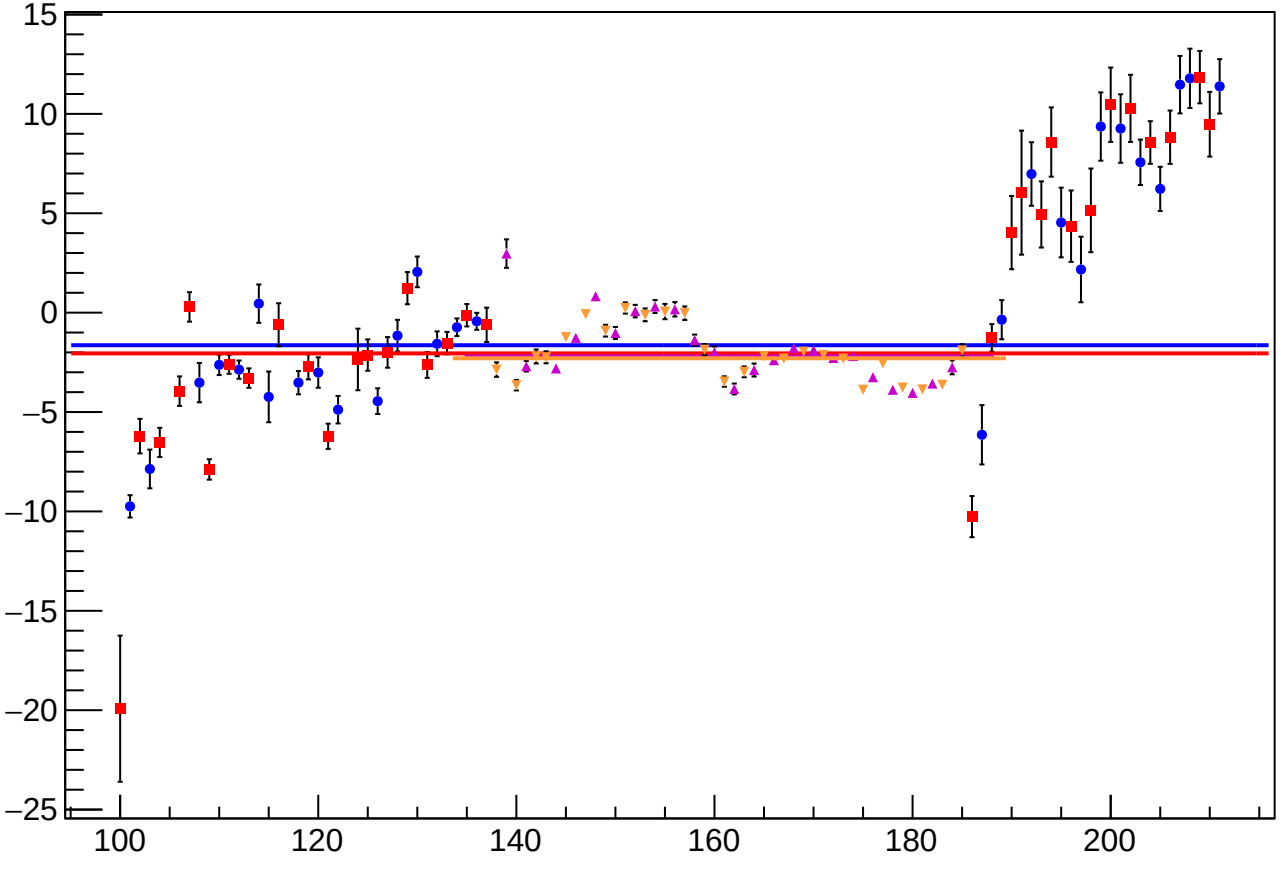
Right: -0.039+/-0.084 χ^2/NDF: 5462.3/60

In: 2.972+/-0.057 χ^2/NDF:3126.3/50

Out: 2.826+/-0.055 χ^2/NDF:5661.3/57

All: 2.896+/-0.039 χ^2/NDF: 8791.0/108

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.639+/-0.145 χ^2/NDF: 869.5/27

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.050+/-0.144 χ^2/NDF: 900.1/32

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

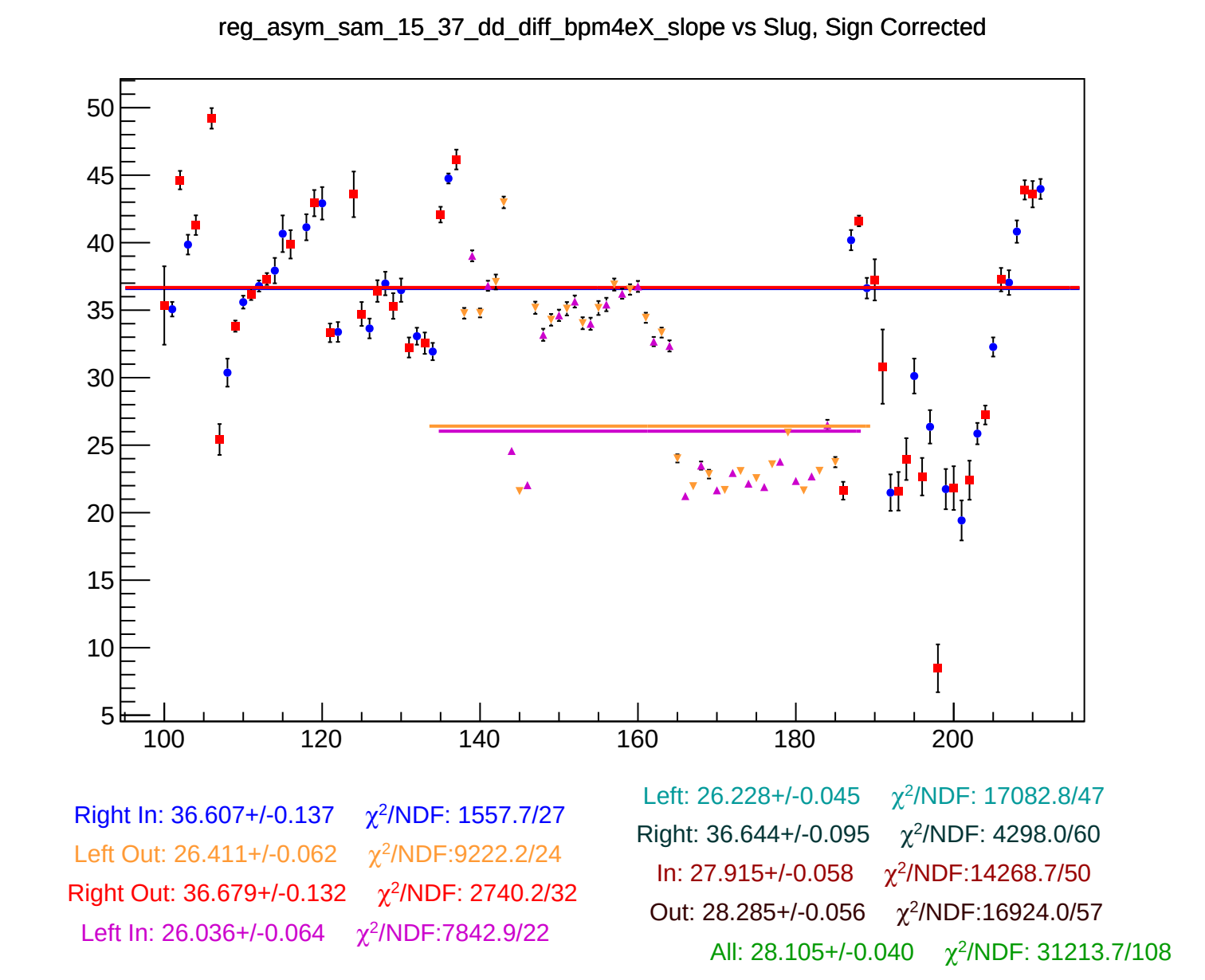
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -1.846+/-0.102 χ^2/NDF: 1773.5/60

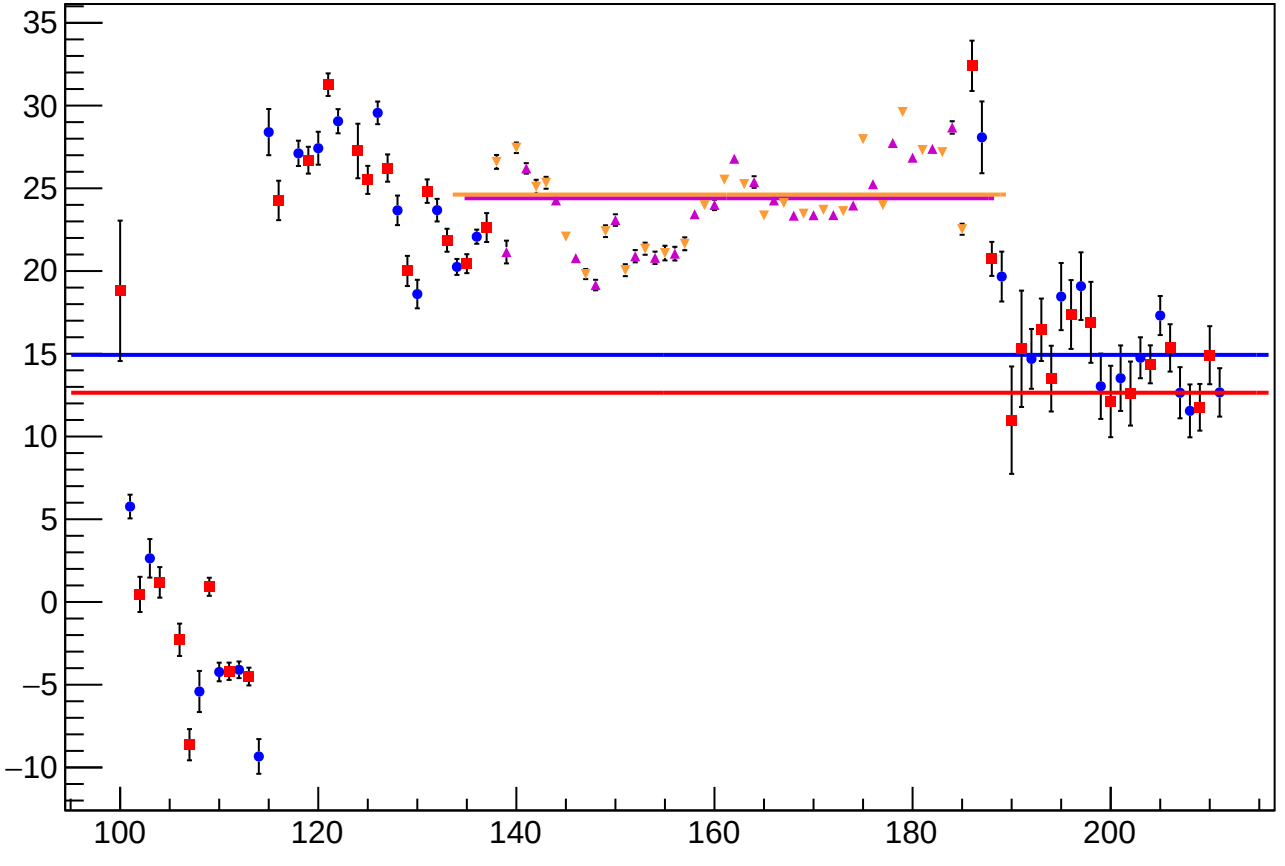
In: -2.143+/-0.048 χ^2/NDF:1607.6/50

Out: -2.269+/-0.047 χ^2/NDF:1534.1/57

All: -2.207+/-0.034 χ^2/NDF: 3145.2/108


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 36.607+/-0.137 χ²/NDF: 1557.7/27
Left Out: 26.411+/-0.062 χ²/NDF:9222.2/24
Right Out: 36.679+/-0.132 χ²/NDF: 2740.2/32
Left In: 26.036+/-0.064 χ²/NDF:7842.9/22
Left: 26.228+/-0.045 χ²/NDF: 17082.8/47
Right: 36.644+/-0.095 χ²/NDF: 4298.0/60
In: 27.915+/-0.058 χ²/NDF:14268.7/50
Out: 28.285+/-0.056 χ²/NDF:16924.0/57
All: 28.105+/-0.040 χ²/NDF: 31213.7/108

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.934+/-0.163 χ^2/NDF: 5755.2/27

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.647+/-0.164 χ^2/NDF: 6372.7/32

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

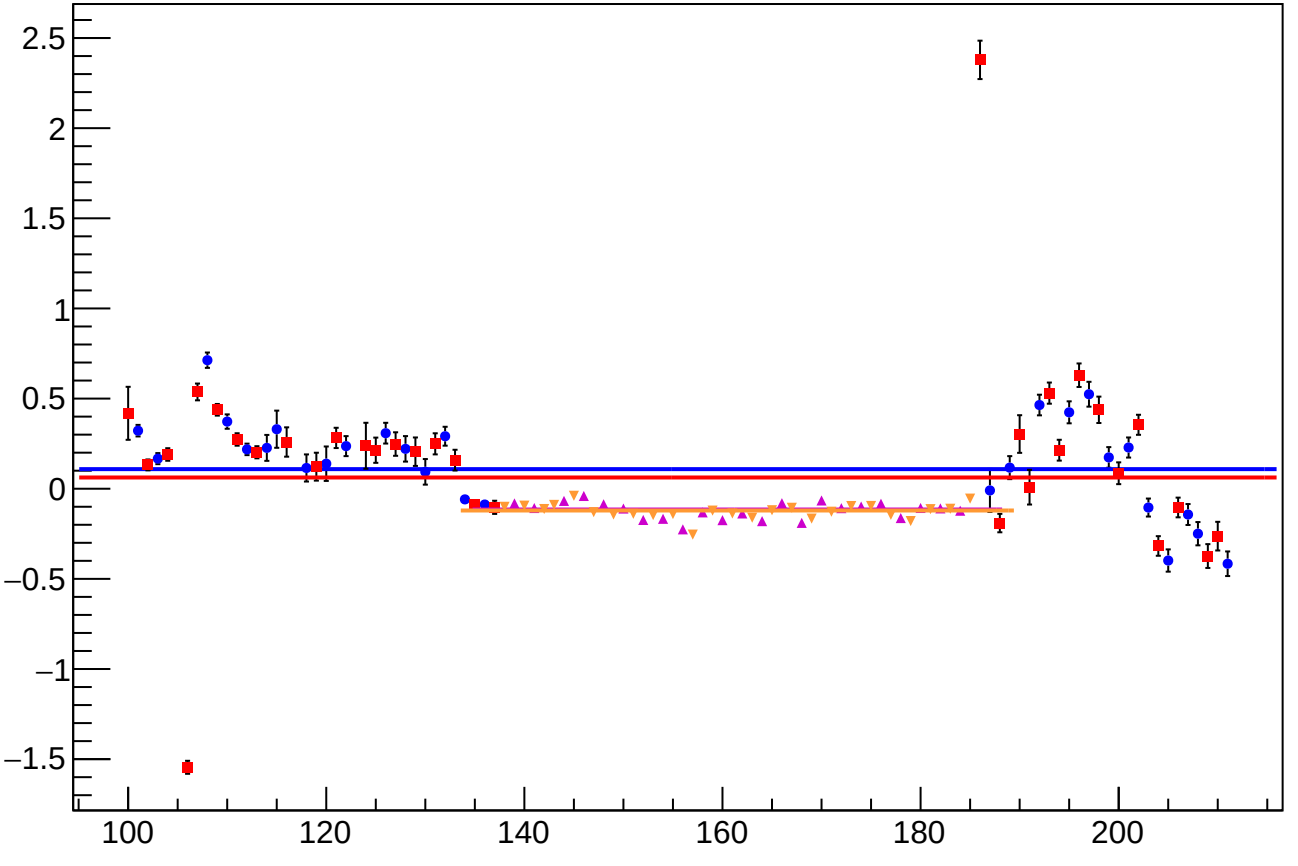
Right: 13.801+/-0.116 χ^2/NDF: 12225.6/60

In: 23.383+/-0.053 χ^2/NDF:10482.8/50

Out: 23.411+/-0.052 χ^2/NDF:13096.8/57

All: 23.397+/-0.037 χ^2/NDF: 23579.7/108

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.109+/-0.008 χ^2/NDF: 825.1/27

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.062+/-0.009 χ^2/NDF: 3243.4/32

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

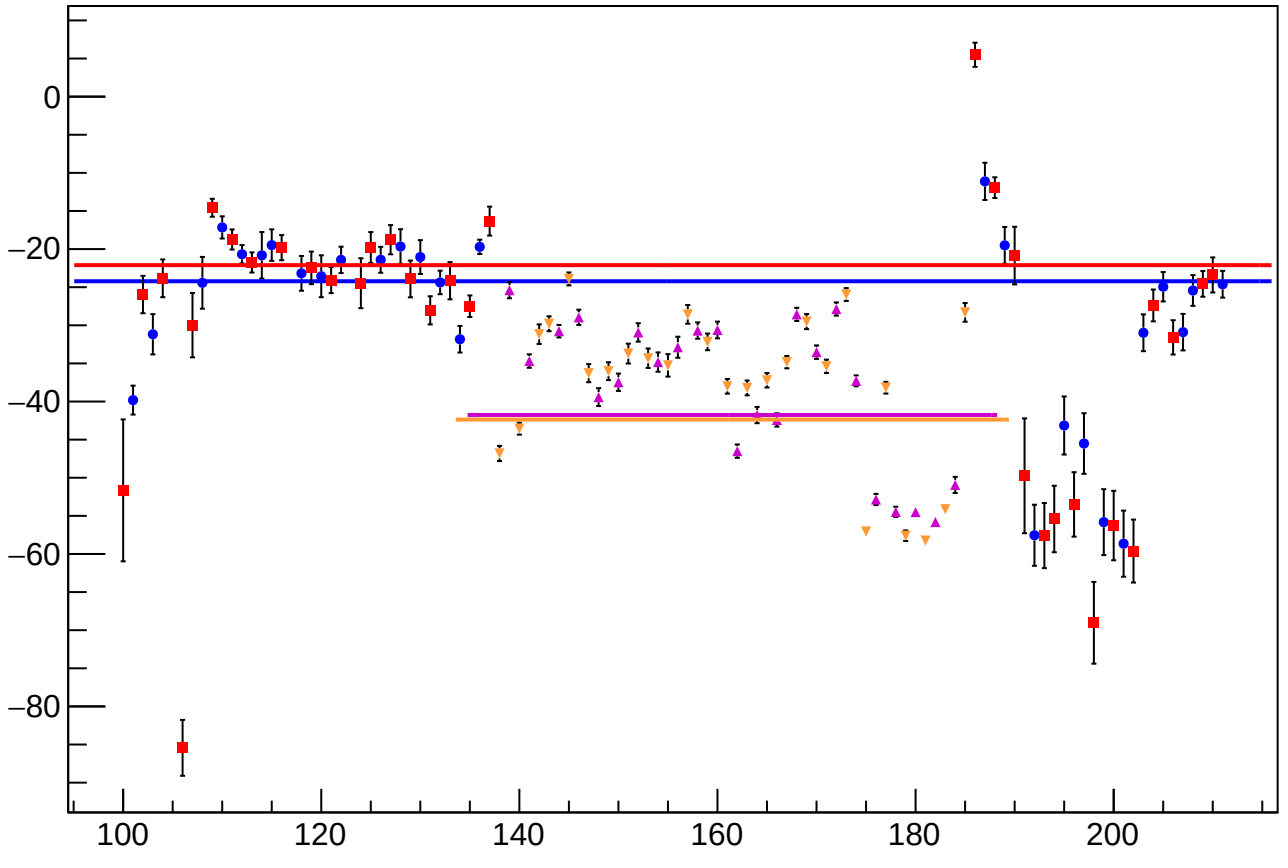
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

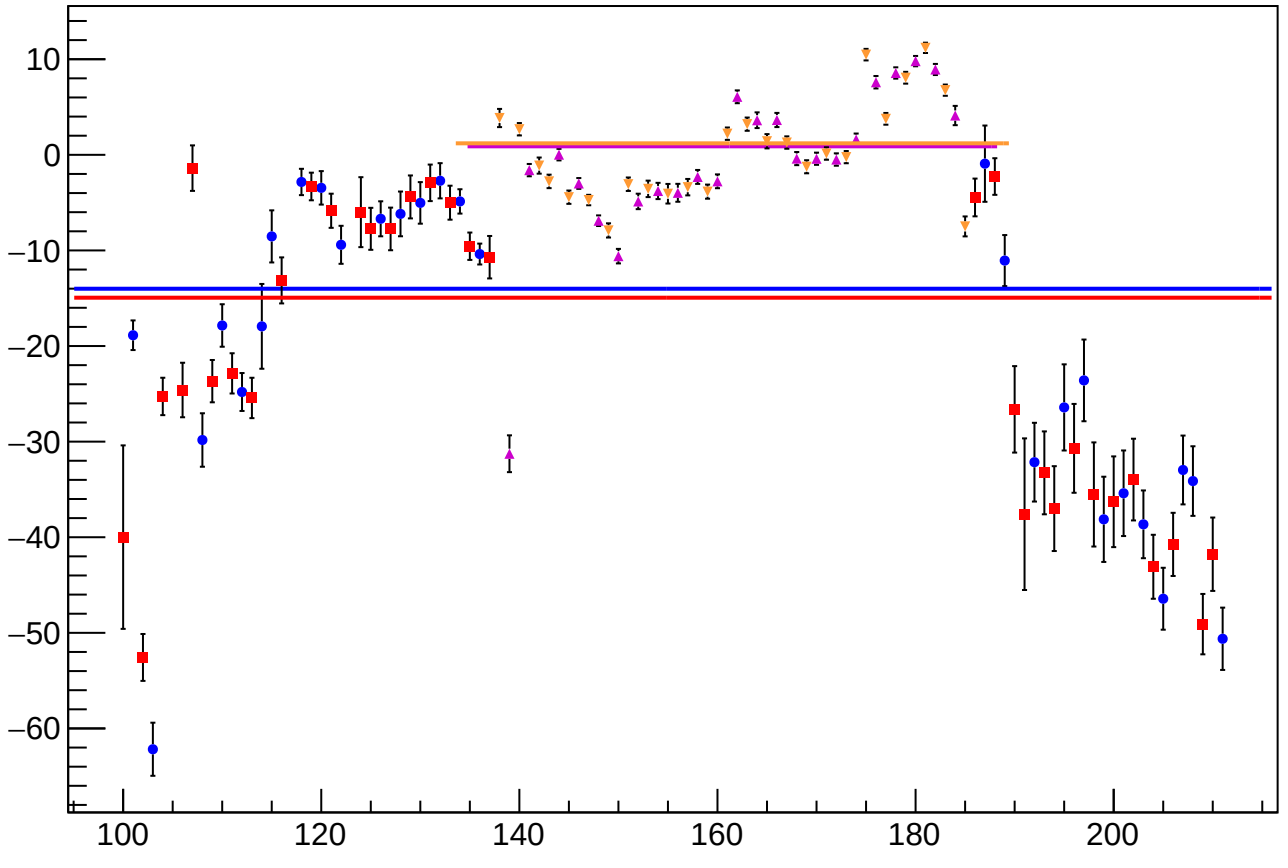
Right: 0.086+/-0.006 χ^2/NDF: 4083.7/60

In: -0.097+/-0.002 χ^2/NDF:1779.9/50

Out: -0.107+/-0.002 χ^2/NDF:3933.5/57

All: -0.102+/-0.002 χ^2/NDF: 5722.3/108


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -24.220+/-0.375 χ²/NDF: 454.9/27
Left Out: -42.366+/-0.175 χ²/NDF:4477.3/24
Right Out: -22.110+/-0.363 χ²/NDF: 1202.5/32
Left In: -41.764+/-0.182 χ²/NDF:3459.2/22
Left: -42.076+/-0.126 χ²/NDF: 7942.1/47
Right: -23.132+/-0.261 χ²/NDF: 1673.7/60
In: -38.424+/-0.164 χ²/NDF:5688.5/50
Out: -38.543+/-0.158 χ²/NDF:8202.5/57
All: -38.485+/-0.114 χ²/NDF: 13891.3/108



Right In: -14.007+/-0.417 χ^2/NDF: 1061.2/27

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -14.944+/-0.425 χ^2/NDF: 1090.2/32

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

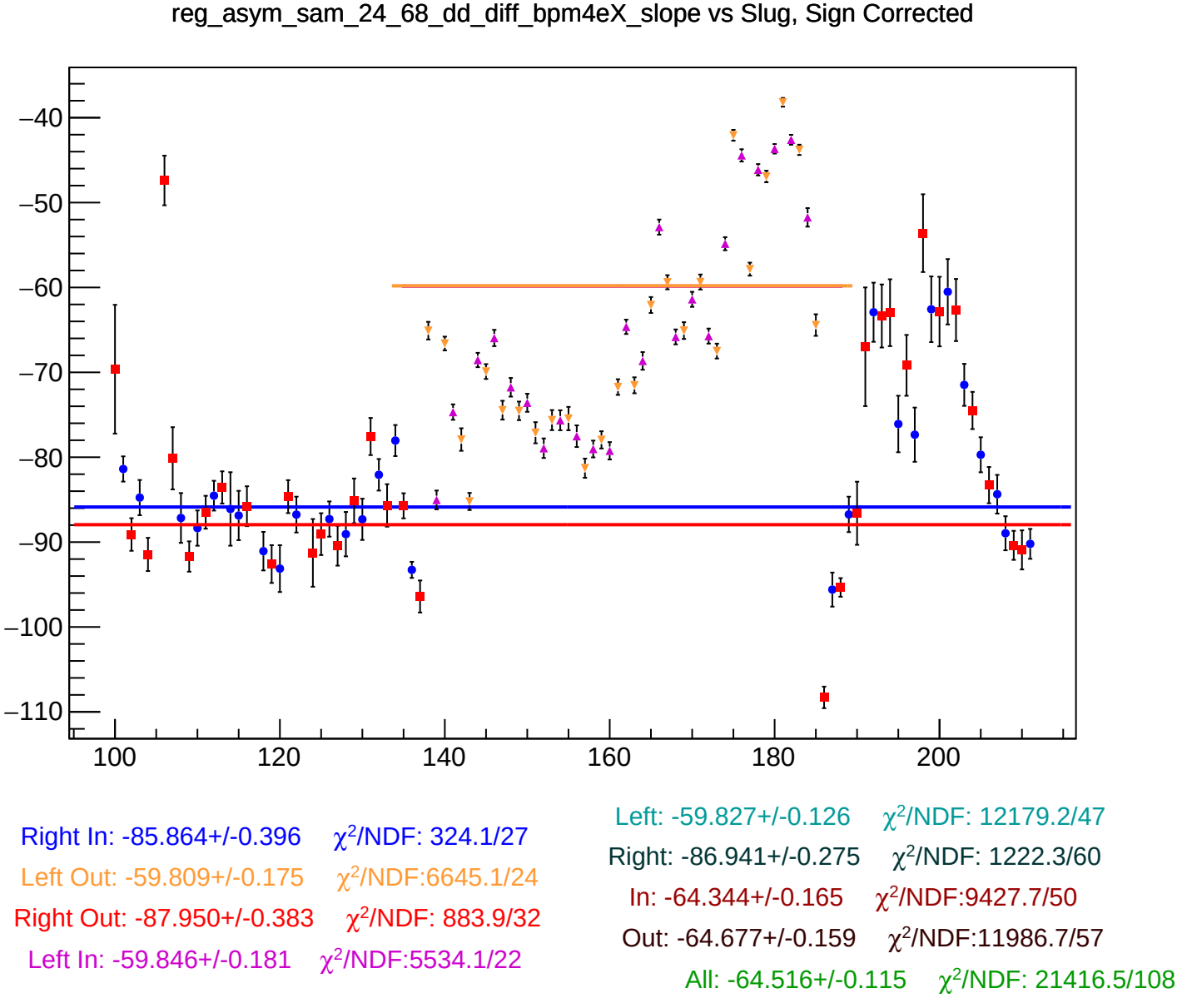
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -14.467+/-0.297 χ^2/NDF: 2153.8/60

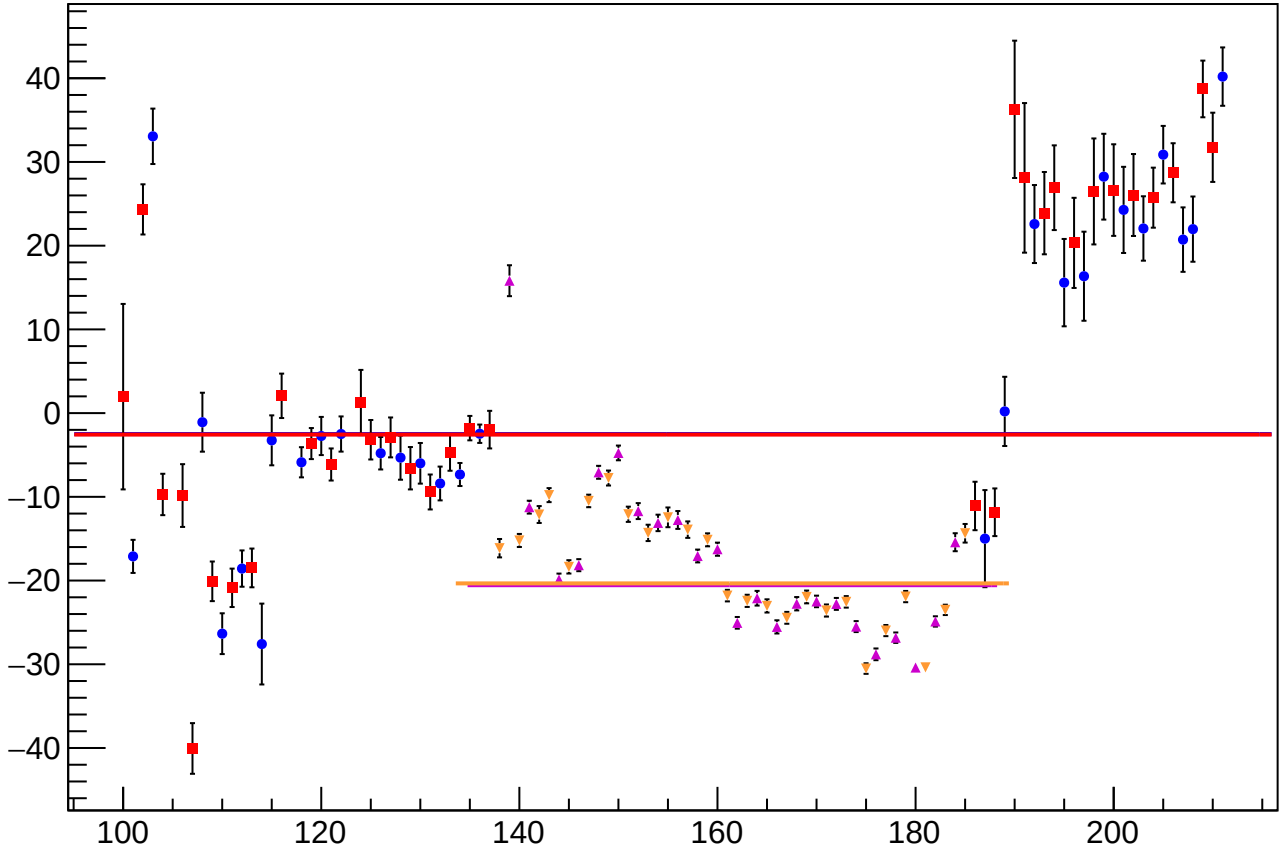
In: -0.678+/-0.135 χ^2/NDF:3967.4/50

Out: -0.342+/-0.131 χ^2/NDF:3861.5/57

All: -0.505+/-0.094 χ^2/NDF: 7832.0/108


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
120
140
160
180
200
Right In: -85.864+/-0.396 χ²/NDF: 324.1/27
Left Out: -59.809+/-0.175 χ²/NDF:6645.1/24
Right Out: -87.950+/-0.383 χ²/NDF: 883.9/32
Left In: -59.846+/-0.181 χ²/NDF:5534.1/22
Left: -59.827+/-0.126 χ²/NDF: 12179.2/47
Right: -86.941+/-0.275 χ²/NDF: 1222.3/60
In: -64.344+/-0.165 χ²/NDF:9427.7/50
Out: -64.677+/-0.159 χ²/NDF:11986.7/57
All: -64.516+/-0.115 χ²/NDF: 21416.5/108

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.503+/-0.470 χ^2/NDF: 859.5/27

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -2.562+/-0.488 χ^2/NDF: 1011.5/32

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

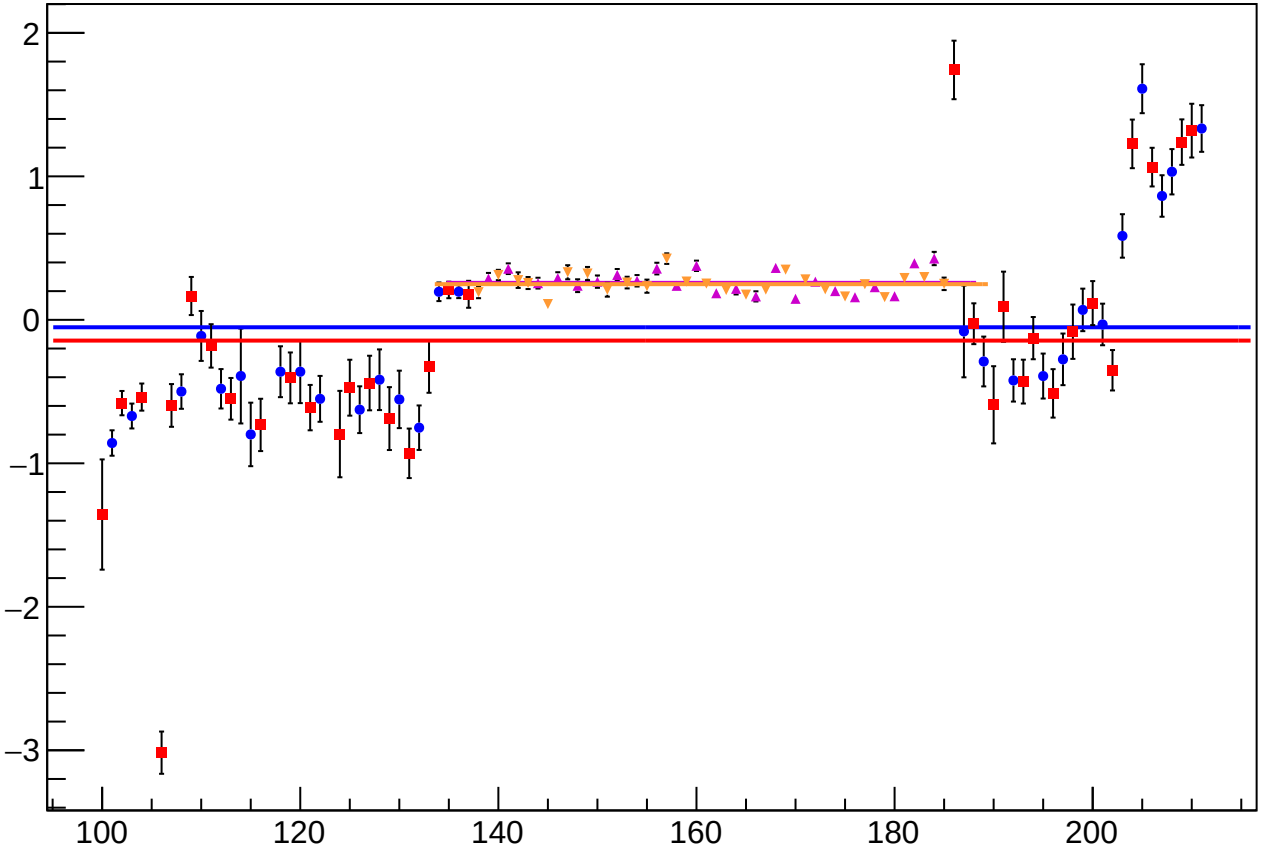
Right: -2.532+/-0.339 χ^2/NDF: 1871.0/60

In: -18.689+/-0.151 χ^2/NDF:4376.0/50

Out: -18.718+/-0.147 χ^2/NDF:3918.0/57

All: -18.704+/-0.106 χ^2/NDF: 8294.0/108

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.052+/-0.023 χ^2/NDF: 559.4/27

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.145+/-0.024 χ^2/NDF: 951.9/32

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

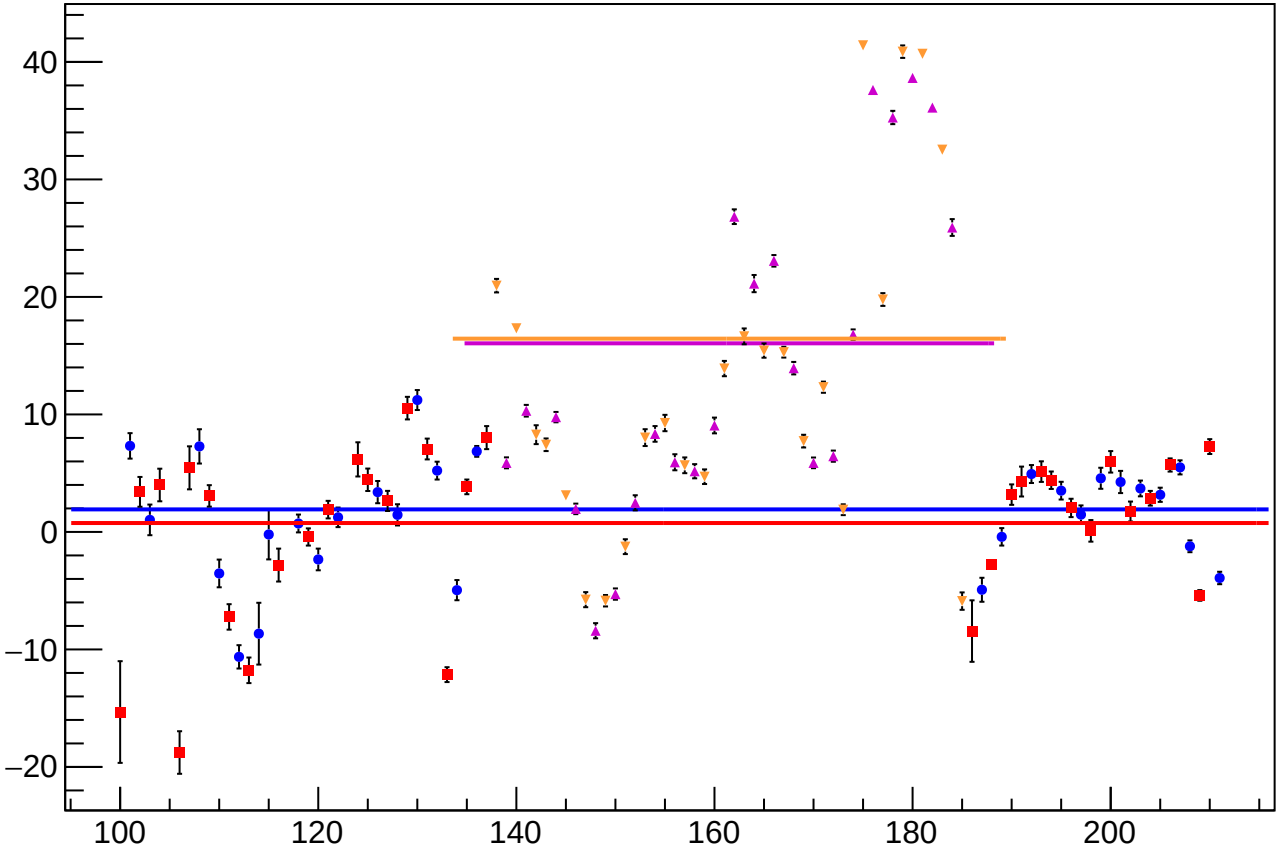
Right: -0.096+/-0.017 χ^2/NDF: 1518.9/60

In: 0.231+/-0.007 χ^2/NDF:856.0/50

Out: 0.219+/-0.007 χ^2/NDF:1284.1/57

All: 0.225+/-0.005 χ^2/NDF: 2141.7/108

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.918+/-0.148 χ^2/NDF: 880.0/27

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.758+/-0.140 χ^2/NDF: 1614.6/32

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

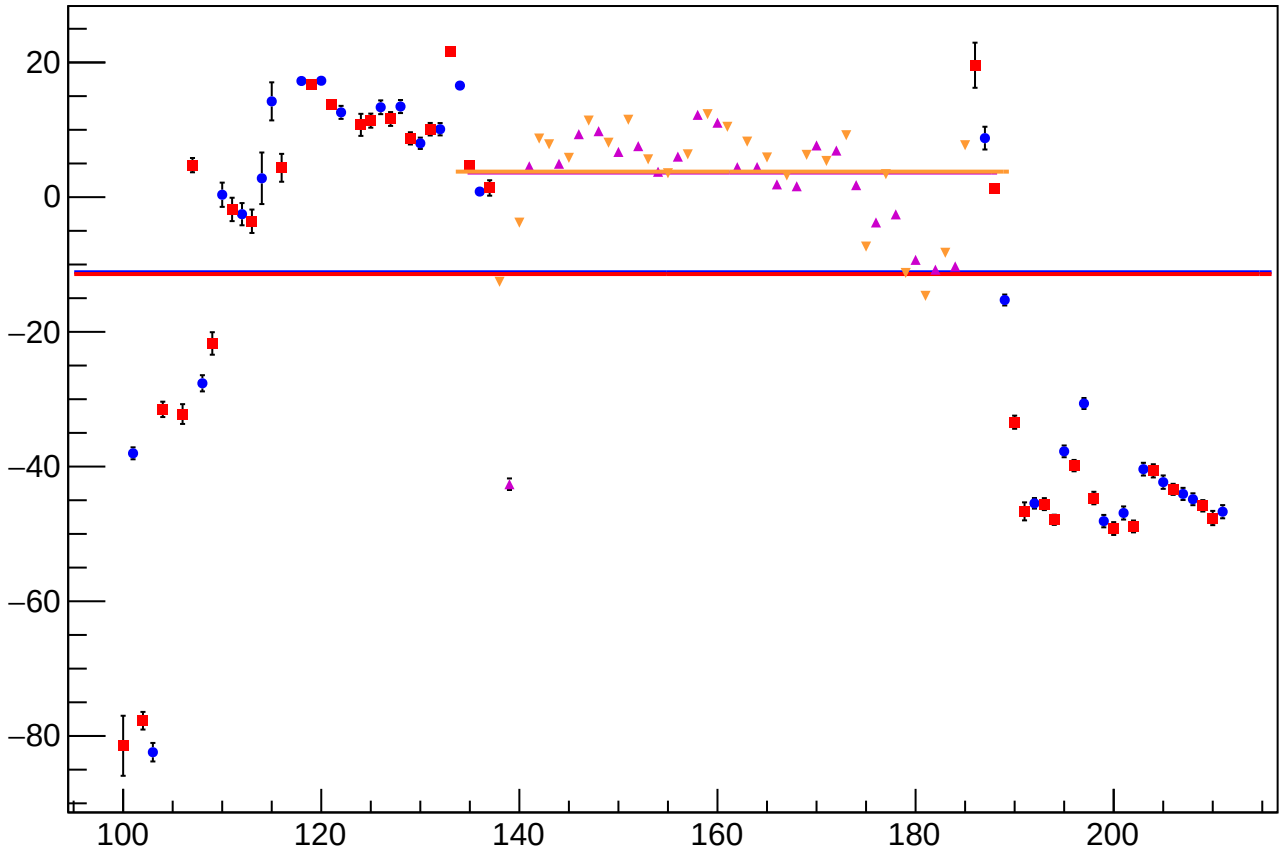
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.304+/-0.102 χ^2/NDF: 2526.9/60

In: 11.202+/-0.087 χ^2/NDF:24464.4/50

Out: 10.866+/-0.083 χ^2/NDF:31112.5/57

All: 11.027+/-0.060 χ^2/NDF: 55584.6/108



Right In: -11.154+/-0.165 χ^2/NDF: 27987.6/27

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -11.417+/-0.157 χ^2/NDF: 33164.7/32

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

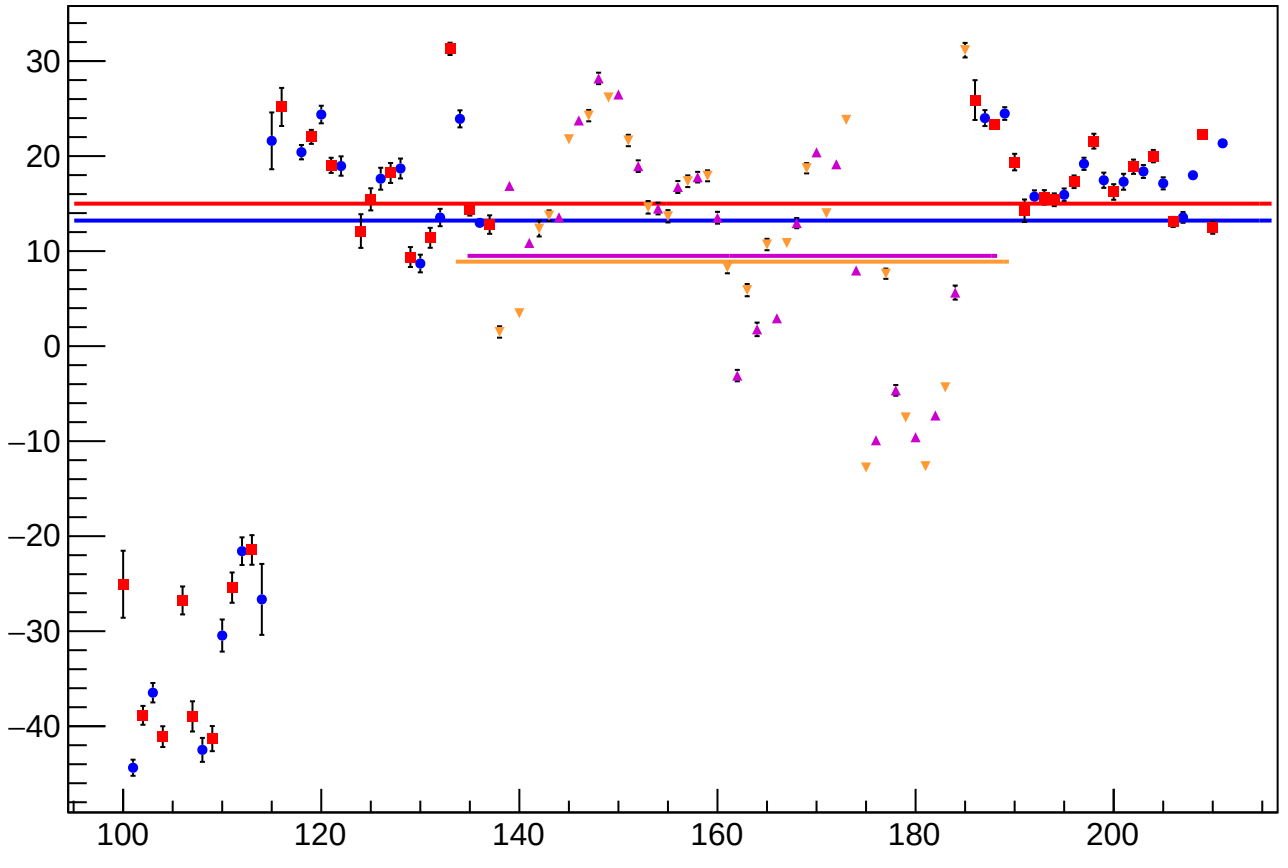
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -11.292+/-0.113 χ^2/NDF: 61153.6/60

In: 0.649+/-0.074 χ^2/NDF:42749.2/50

Out: 0.640+/-0.071 χ^2/NDF:49733.9/57

All: 0.645+/-0.051 χ^2/NDF: 92483.1/108



Right In: 13.214+/-0.146 χ^2/NDF: 11797.6/27

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.995+/-0.135 χ^2/NDF: 12748.8/32

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

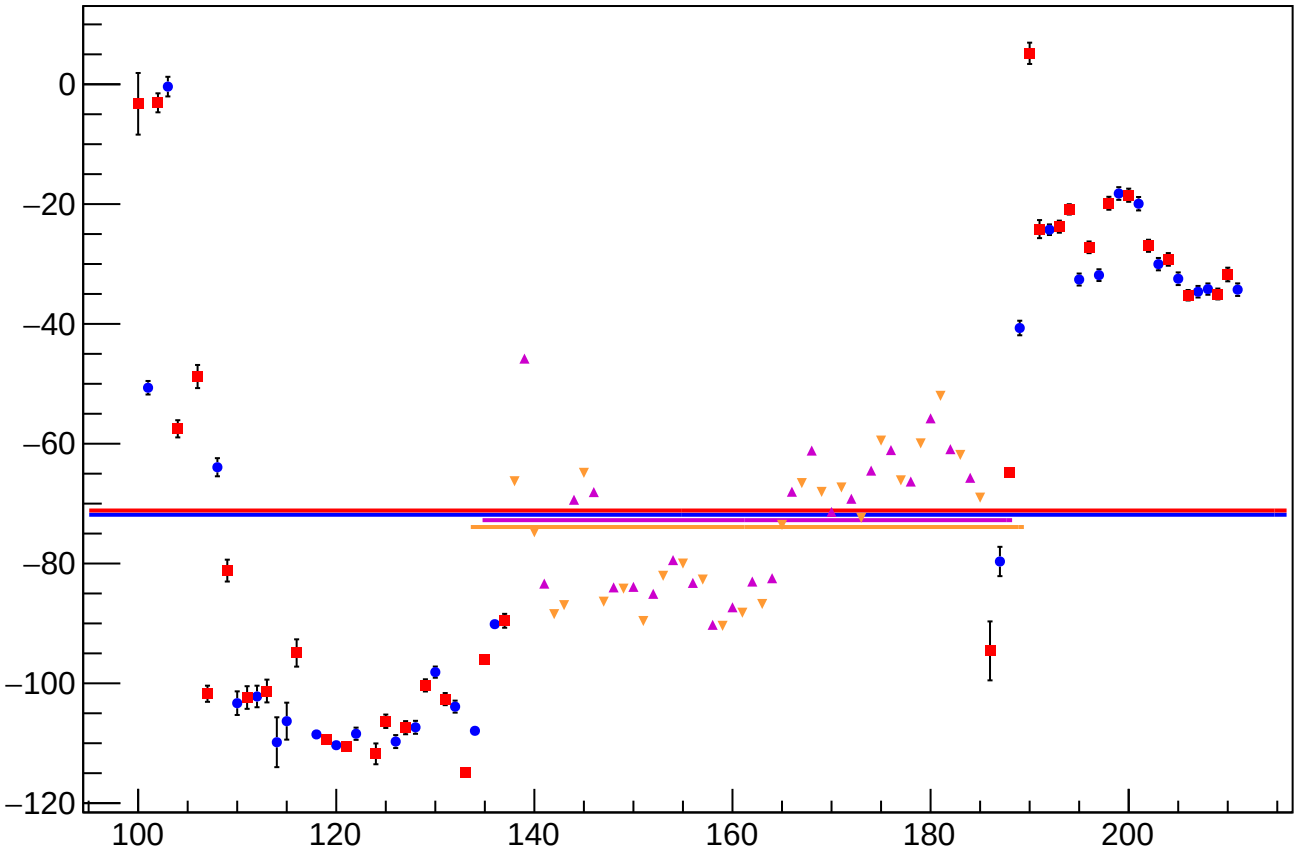
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 14.175+/-0.099 χ^2/NDF: 24626.2/60

In: 10.785+/-0.086 χ^2/NDF:25259.2/50

Out: 11.151+/-0.082 χ^2/NDF:29458.4/57

All: 10.976+/-0.060 χ^2/NDF: 54727.0/108



Right In: -71.859+/-0.189 χ^2/NDF: 37290.5/27

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -71.150+/-0.183 χ^2/NDF: 44920.3/32

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

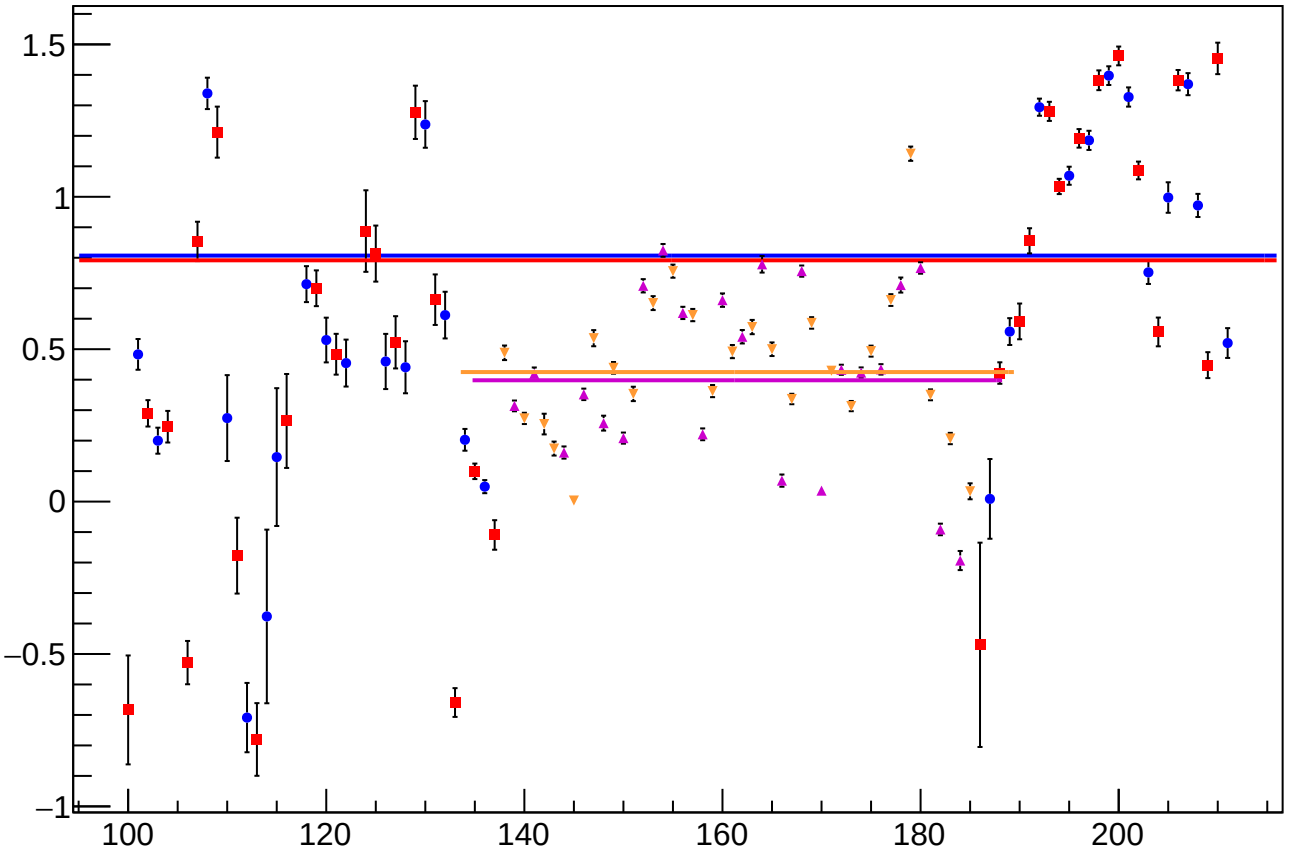
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -71.492+/-0.132 χ^2/NDF: 82218.0/60

In: -72.586+/-0.084 χ^2/NDF:49921.4/50

Out: -73.366+/-0.081 χ^2/NDF:60669.6/57

All: -72.988+/-0.058 χ^2/NDF: 110635.7/108



Right In: 0.807+/-0.008 χ^2/NDF: 3752.7/27

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.792+/-0.008 χ^2/NDF: 5154.0/32

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

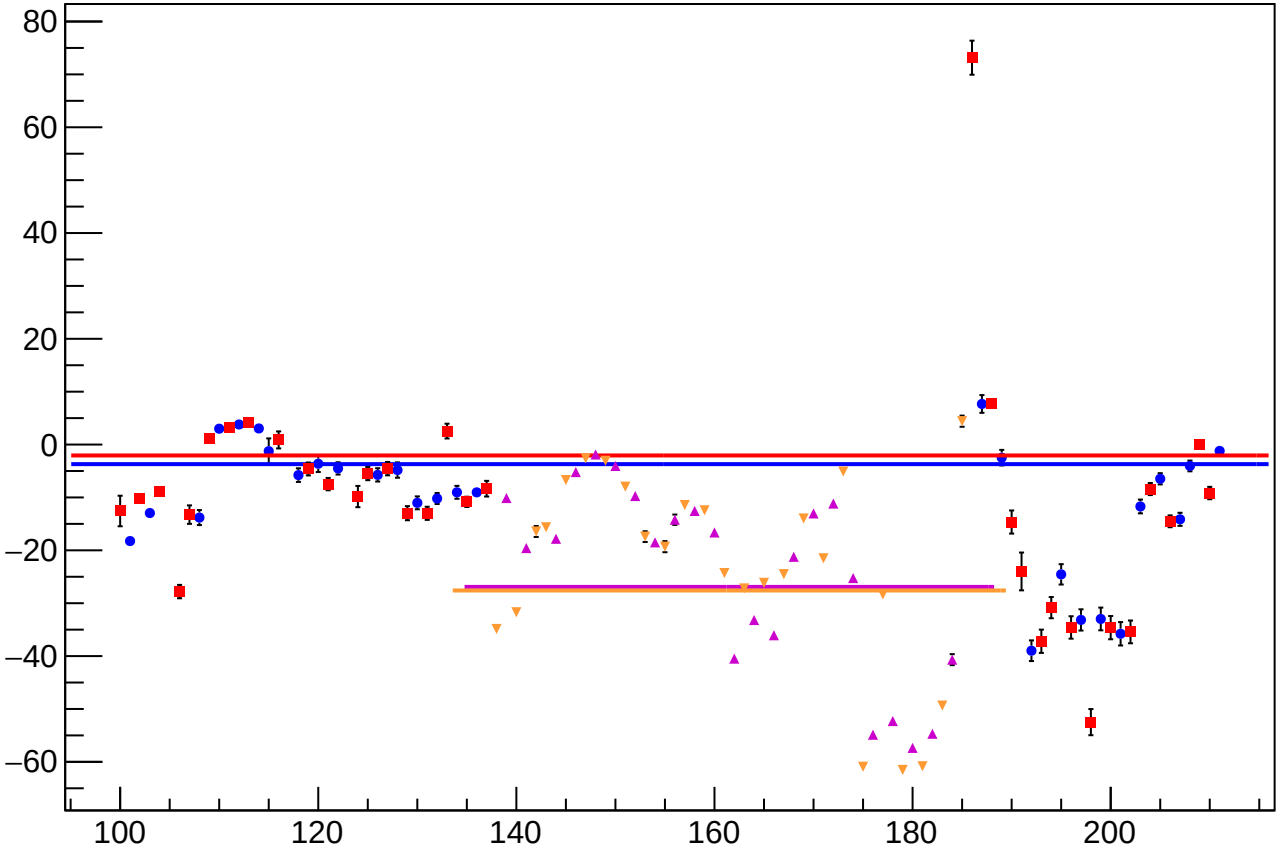
Right: 0.799+/-0.006 χ^2/NDF: 8908.5/60

In: 0.480+/-0.004 χ^2/NDF:9990.0/50

Out: 0.501+/-0.004 χ^2/NDF:9897.4/57

All: 0.491+/-0.003 χ^2/NDF: 19905.1/108

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.702+/-0.173 χ^2/NDF: 2778.1/27

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.060+/-0.155 χ^2/NDF: 4063.7/32

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

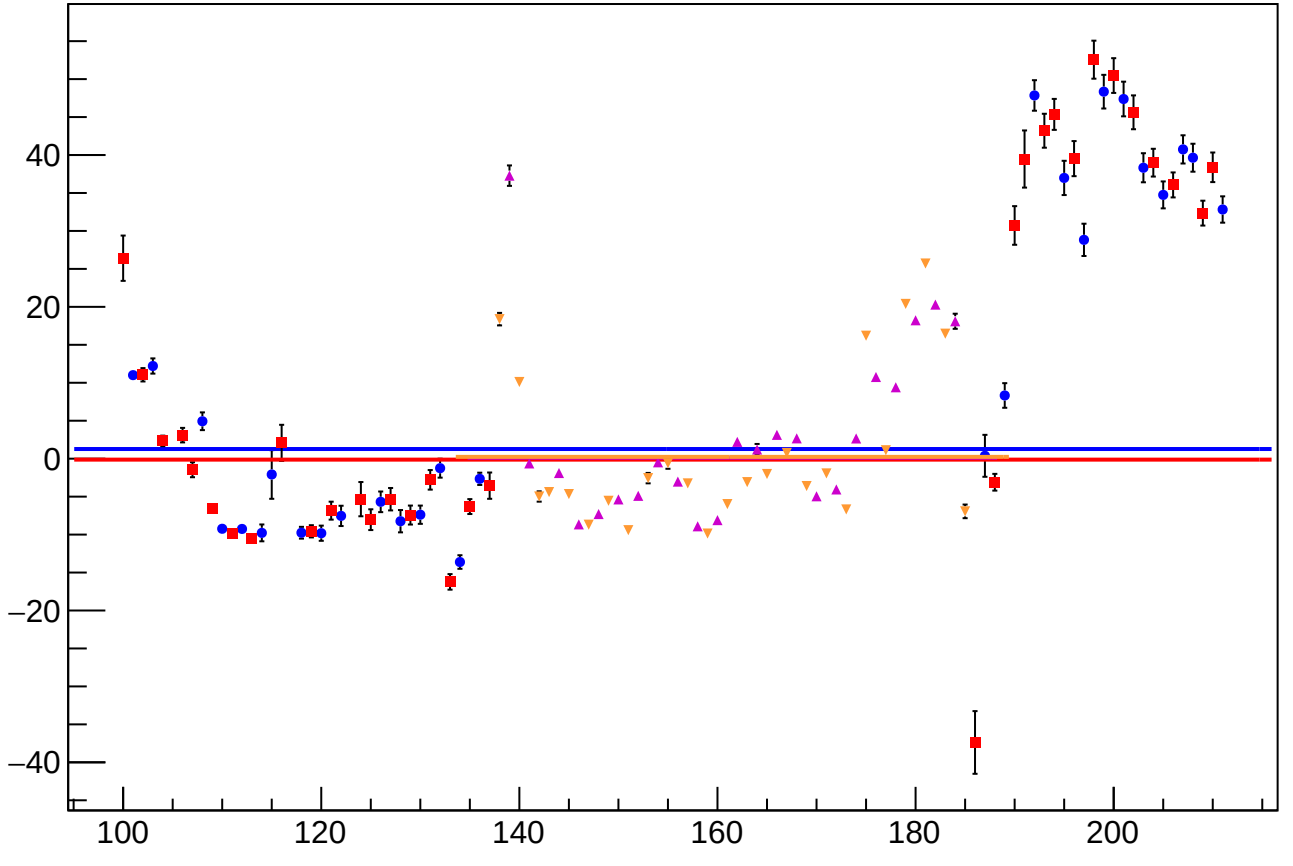
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.793+/-0.116 χ^2/NDF: 6891.6/60

In: -17.021+/-0.113 χ^2/NDF:28635.2/50

Out: -15.776+/-0.106 χ^2/NDF:38315.6/57

All: -16.357+/-0.077 χ^2/NDF: 67015.5/108



Right In: 1.272+/-0.210 χ^2/NDF: 5710.5/27

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -0.125+/-0.202 χ^2/NDF: 6093.5/32

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

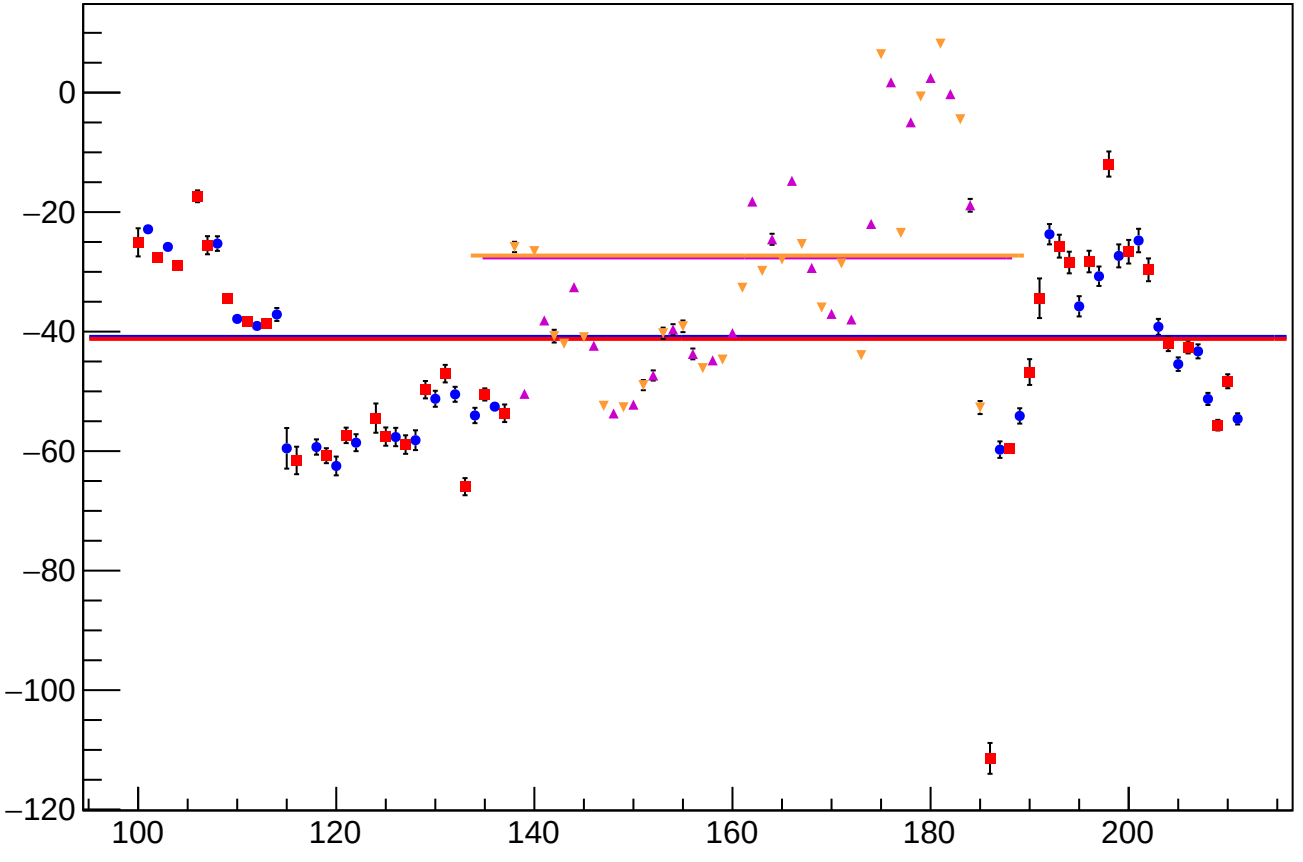
Right: 0.547+/-0.146 χ^2/NDF: 11827.1/60

In: 0.393+/-0.100 χ^2/NDF:11570.7/50

Out: 0.155+/-0.097 χ^2/NDF:14131.6/57

All: 0.270+/-0.070 χ^2/NDF: 25705.3/108

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -40.885+/-0.194 χ^2/NDF: 3900.9/27

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.217+/-0.181 χ^2/NDF: 5297.1/32

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

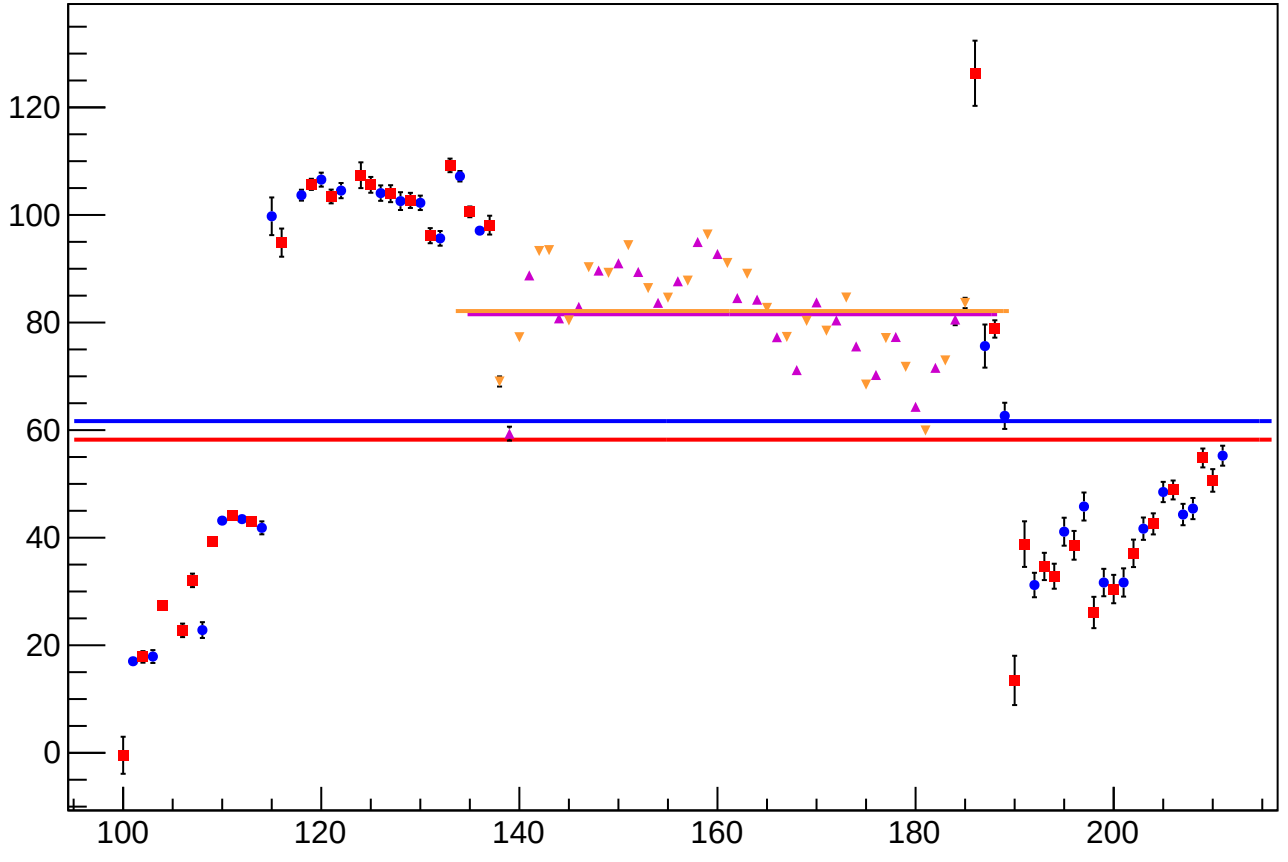
Right: -41.062+/-0.132 χ^2/NDF: 9199.5/60

In: -32.486+/-0.118 χ^2/NDF:22519.4/50

Out: -32.657+/-0.113 χ^2/NDF:27451.9/57

All: -32.575+/-0.081 χ^2/NDF: 49972.4/108

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.675+/-0.240 χ^2/NDF: 19551.2/27

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.226+/-0.231 χ^2/NDF: 18546.6/32

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

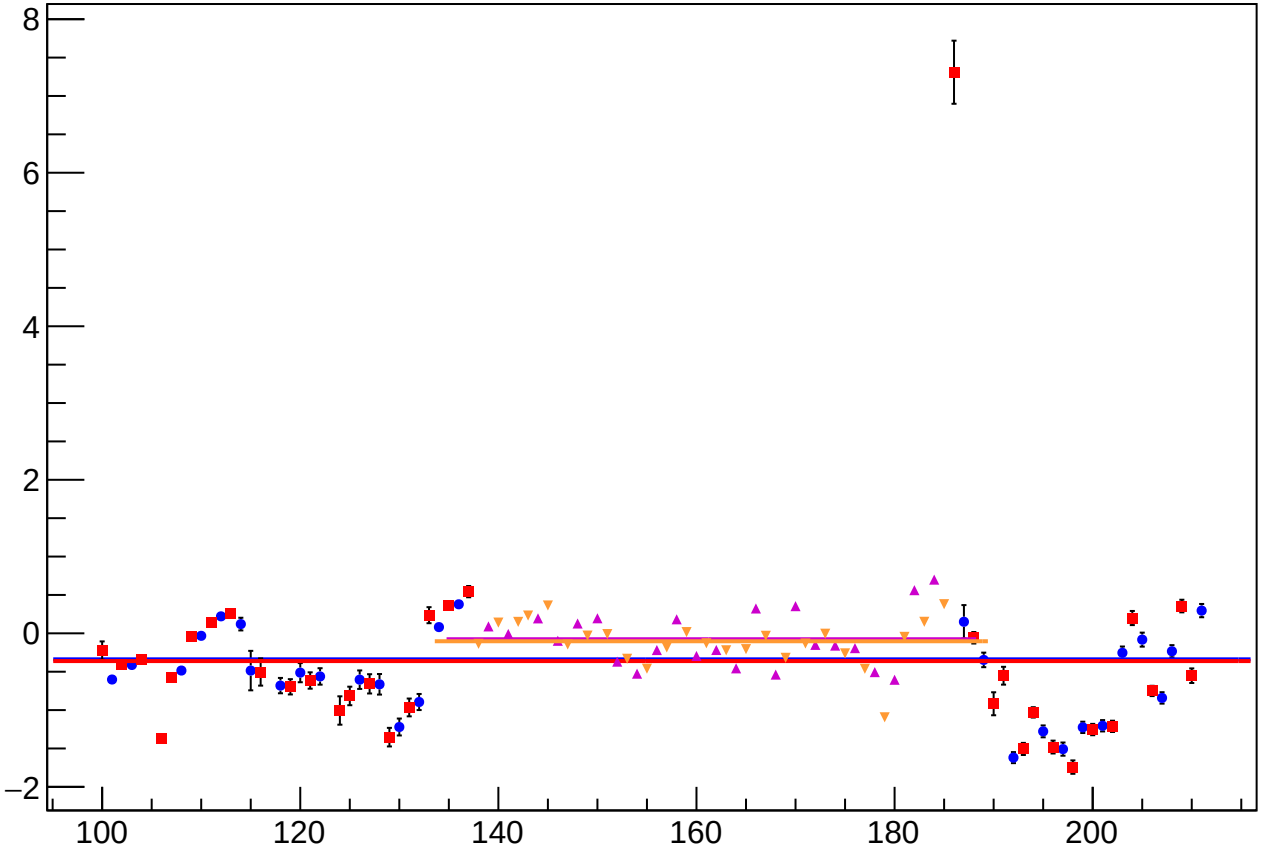
Right: 59.889+/-0.166 χ^2/NDF: 38205.0/60

In: 77.078+/-0.114 χ^2/NDF:28922.7/50

Out: 76.742+/-0.110 χ^2/NDF:32204.2/57

All: 76.905+/-0.079 χ^2/NDF: 61131.4/108

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.339+/-0.012 χ^2/NDF: 2084.3/27

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.011 χ^2/NDF: 3043.5/32

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

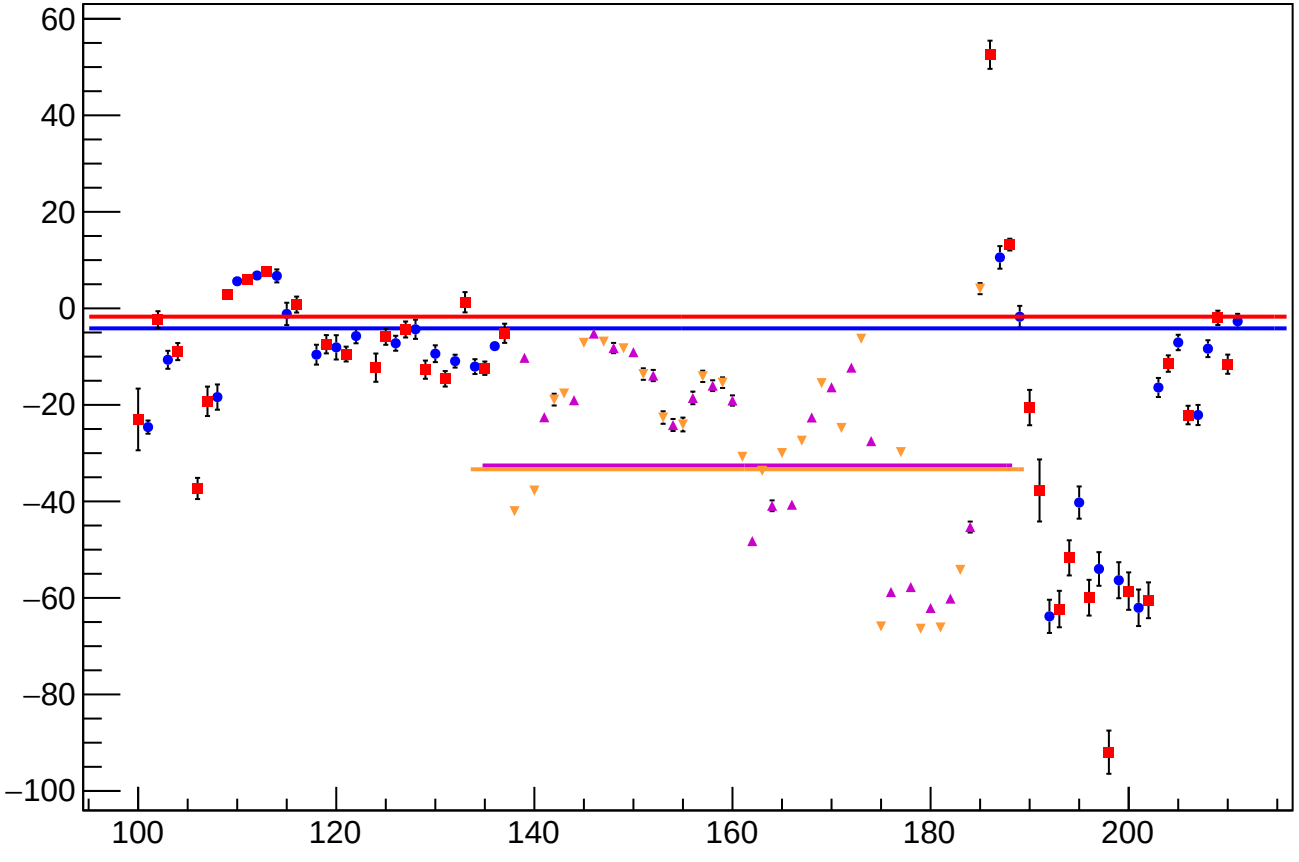
Right: -0.351+/-0.008 χ^2/NDF: 5129.7/60

In: -0.128+/-0.005 χ^2/NDF:5807.8/50

Out: -0.155+/-0.005 χ^2/NDF:5873.6/57

All: -0.141+/-0.004 χ^2/NDF: 11695.6/108

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.143+/-0.278 χ^2/NDF: 2180.6/27

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.717+/-0.256 χ^2/NDF: 3258.6/32

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

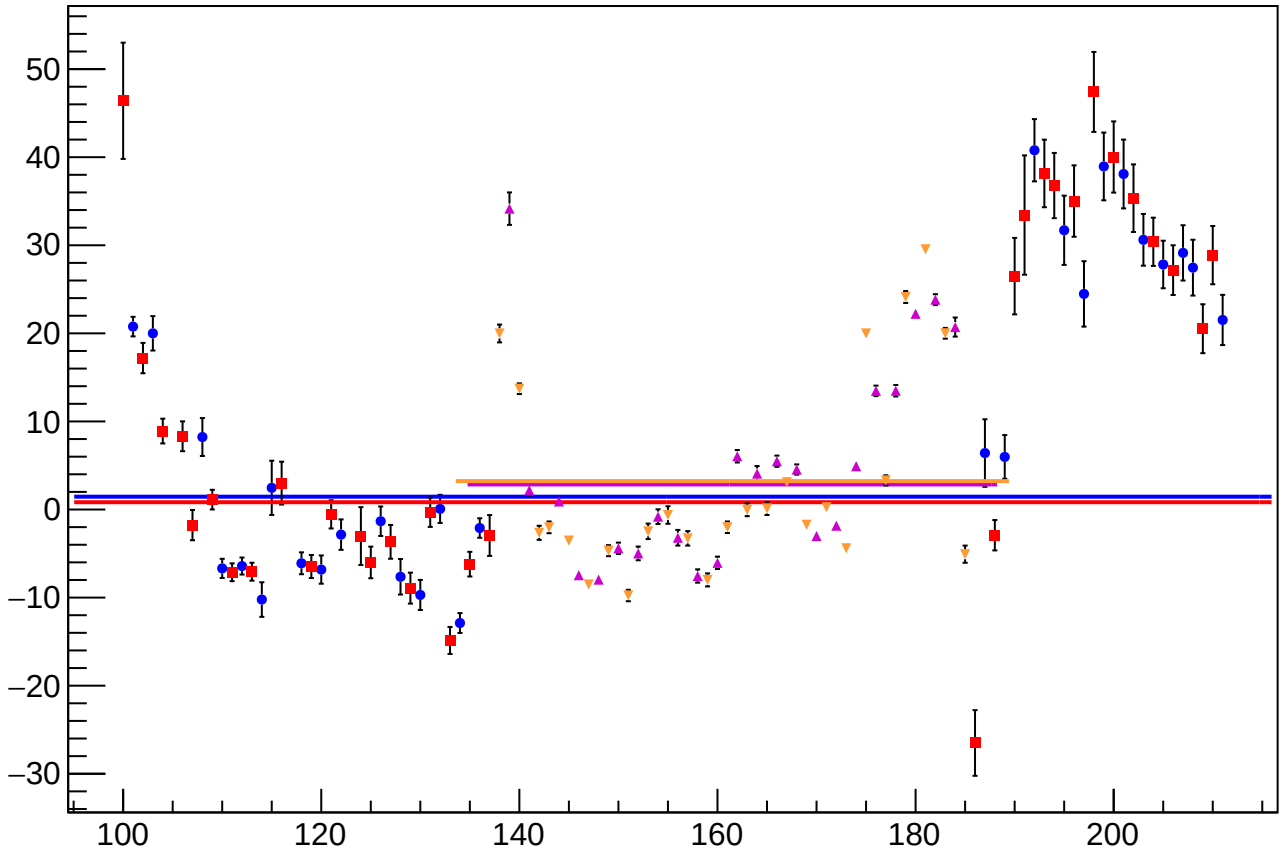
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -2.833+/-0.188 χ^2/NDF: 5480.3/60

In: -24.862+/-0.145 χ^2/NDF:23695.6/50

Out: -24.118+/-0.139 χ^2/NDF:32020.2/57

All: -24.474+/-0.100 χ^2/NDF: 55729.6/108



Right In: 1.457+/-0.333 χ^2/NDF: 1666.9/27

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 0.828+/-0.329 χ^2/NDF: 1515.8/32

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

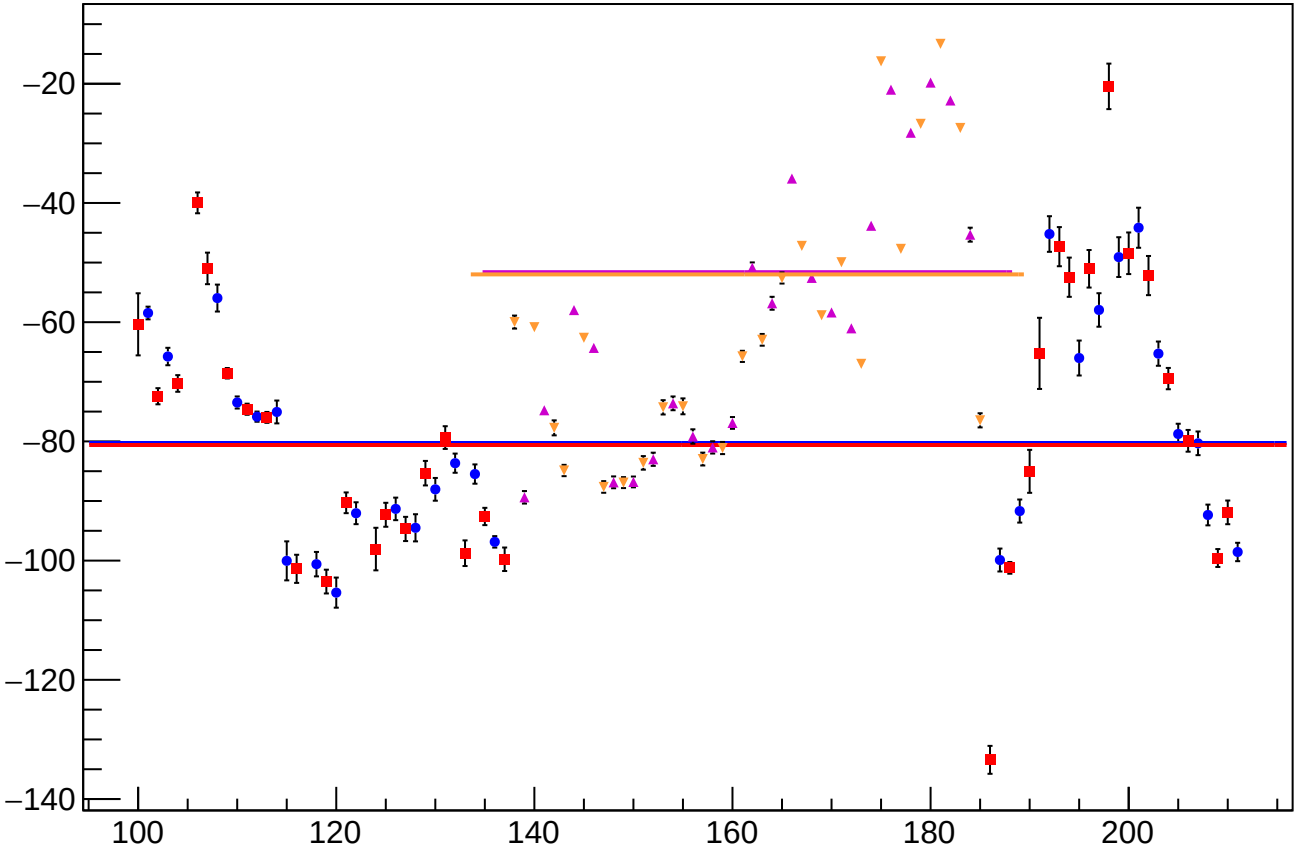
Right: 1.139+/-0.234 χ^2/NDF: 3184.5/60

In: 2.658+/-0.122 χ^2/NDF:7137.5/50

Out: 2.908+/-0.119 χ^2/NDF:9237.5/57

All: 2.786+/-0.085 χ^2/NDF: 16377.2/108

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.269+/-0.313 χ^2/NDF: 2197.5/27

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.603+/-0.299 χ^2/NDF: 3471.4/32

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

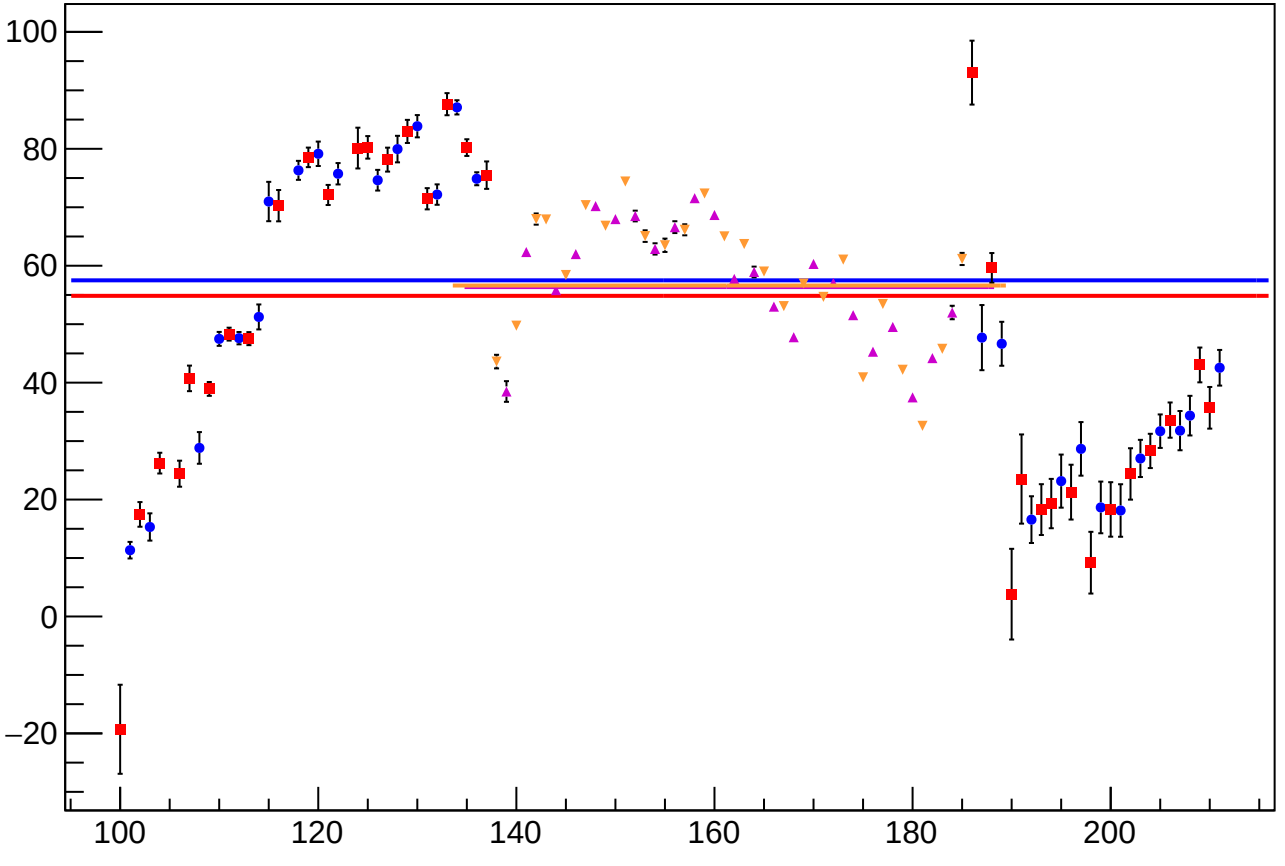
Right: -80.444+/-0.216 χ^2/NDF: 5669.5/60

In: -58.074+/-0.149 χ^2/NDF:26299.8/50

Out: -58.641+/-0.144 χ^2/NDF:31374.9/57

All: -58.366+/-0.104 χ^2/NDF: 57682.2/108

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 57.500+/-0.375 χ^2/NDF: 3981.0/27

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.848+/-0.373 χ^2/NDF: 3493.3/32

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

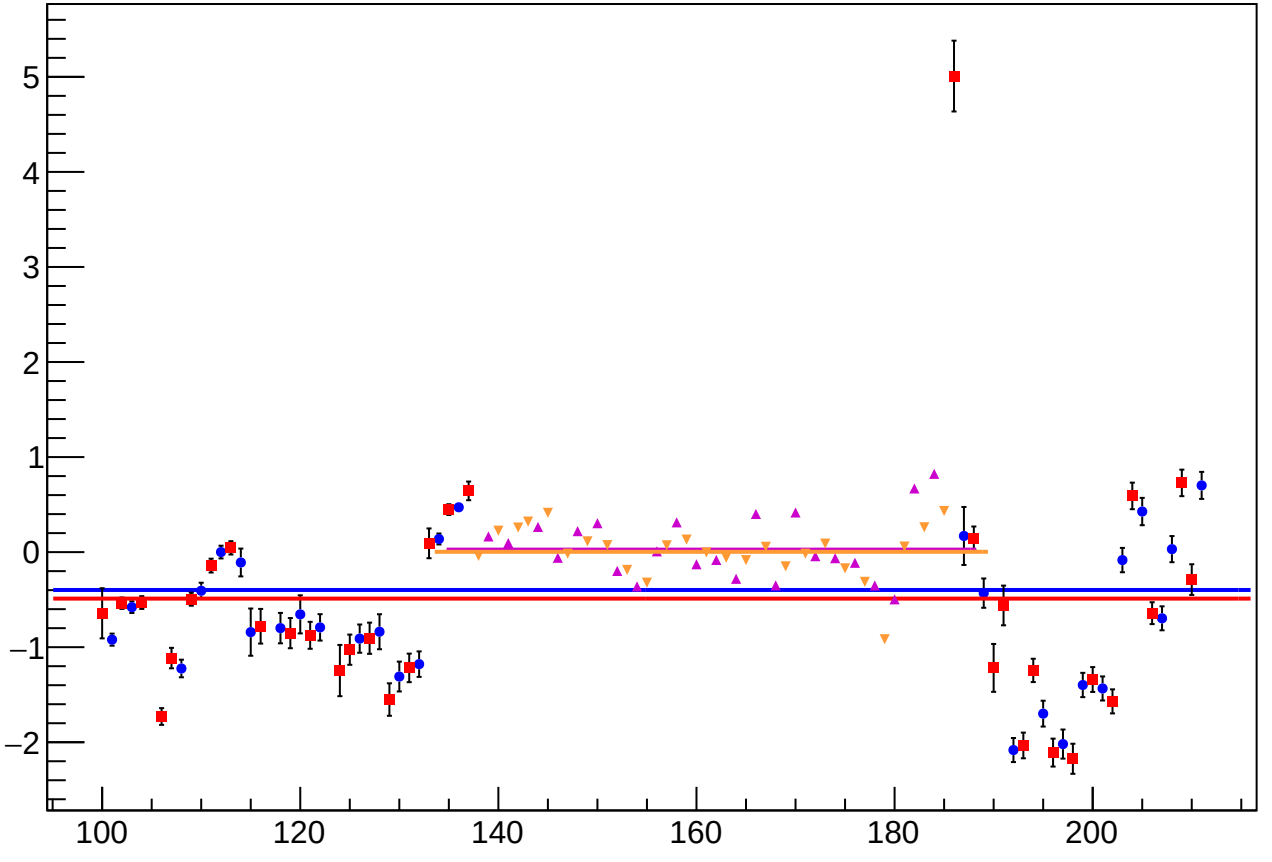
Right: 56.167+/-0.265 χ^2/NDF: 7499.4/60

In: 56.502+/-0.137 χ^2/NDF:7957.9/50

Out: 56.384+/-0.134 χ^2/NDF:9178.9/57

All: 56.442+/-0.096 χ^2/NDF: 17137.1/108

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.398+/-0.019 χ^2/NDF: 1384.1/27

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.489+/-0.019 χ^2/NDF: 1752.2/32

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

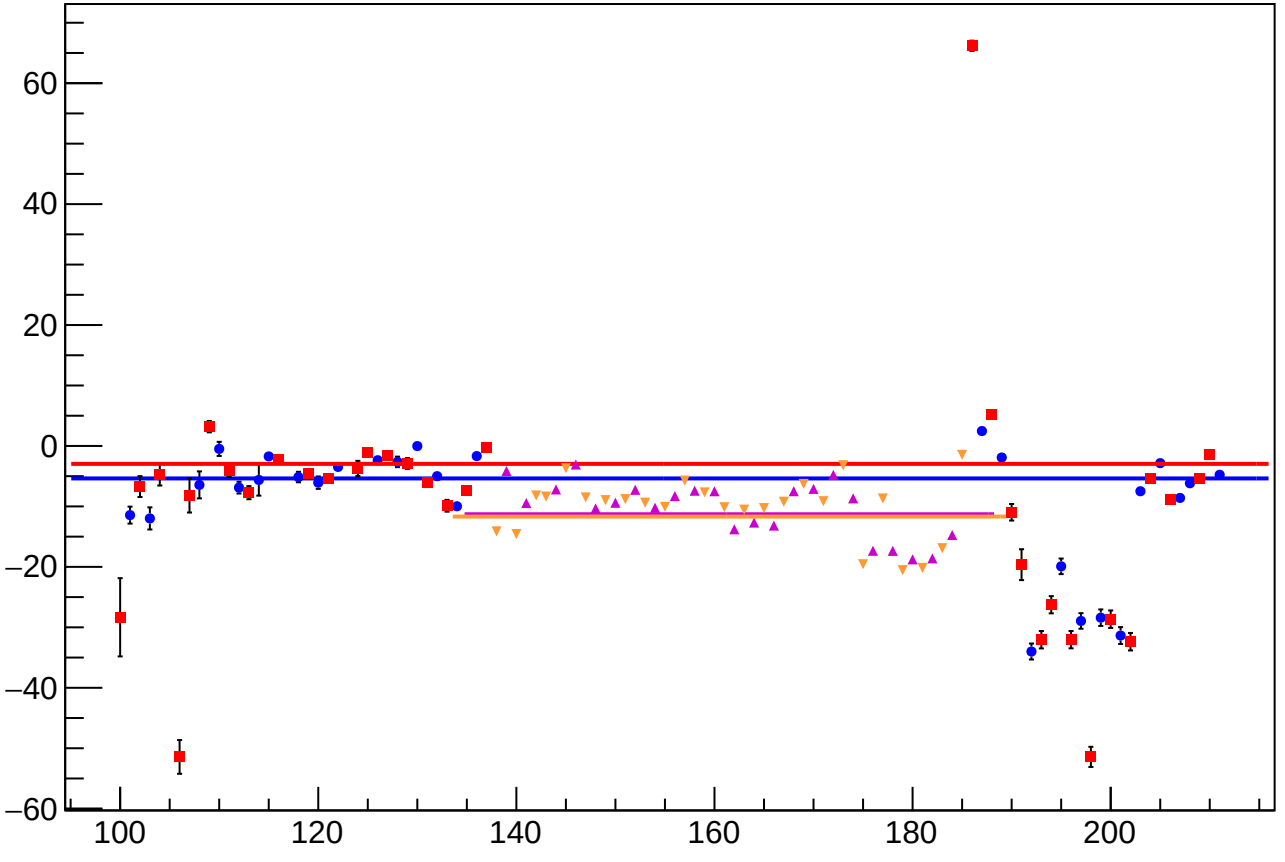
Right: -0.444+/-0.013 χ^2/NDF: 3147.6/60

In: -0.019+/-0.006 χ^2/NDF:4175.3/50

Out: -0.047+/-0.006 χ^2/NDF:4050.0/57

All: -0.033+/-0.004 χ^2/NDF: 8235.6/108

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.372+/-0.148 χ^2/NDF: 2042.1/27

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.963+/-0.149 χ^2/NDF: 10520.6/32

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

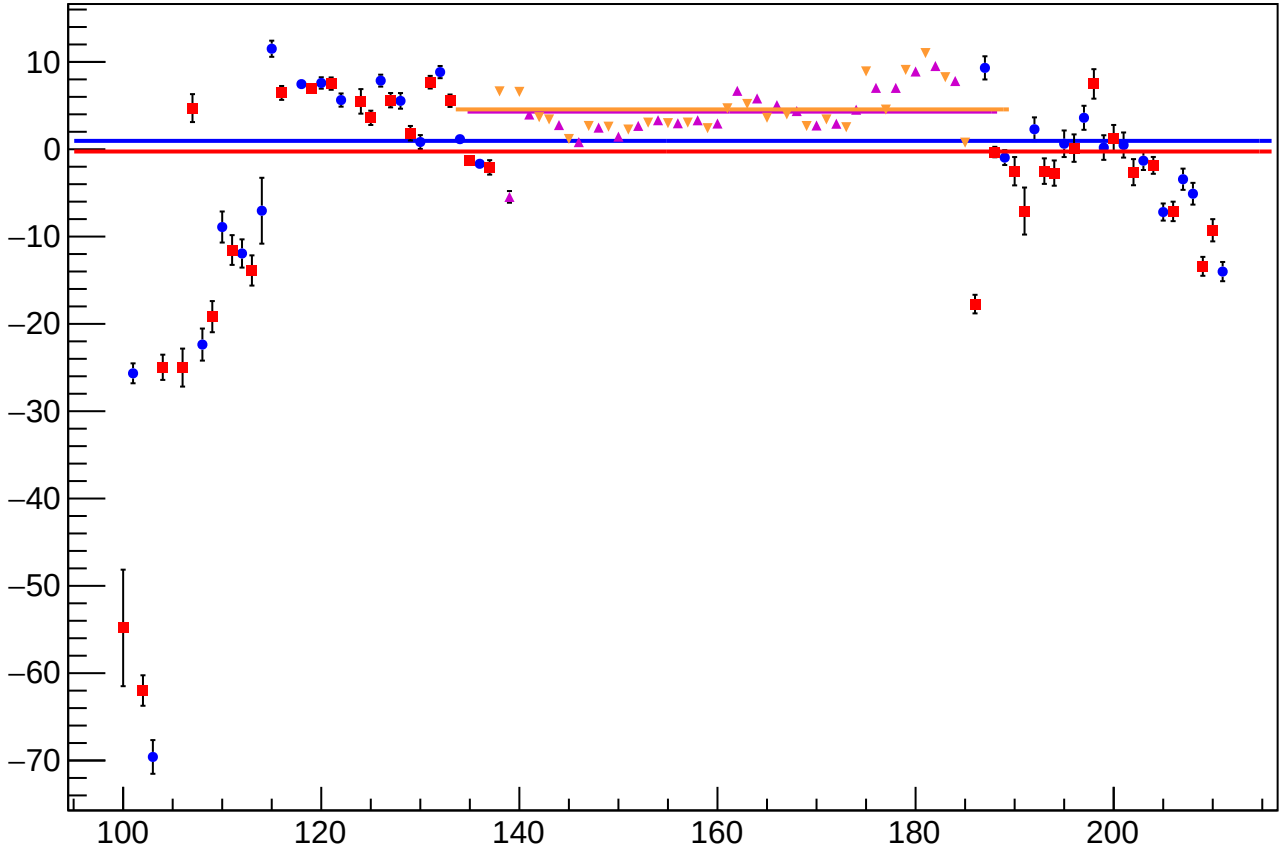
Right: -4.177+/-0.105 χ^2/NDF: 12693.7/60

In: -10.607+/-0.051 χ^2/NDF:12683.3/50

Out: -10.718+/-0.050 χ^2/NDF:26148.1/57

All: -10.664+/-0.035 χ^2/NDF: 38833.9/108

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.960+/-0.166 χ^2/NDF: 3207.8/27

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.259+/-0.174 χ^2/NDF: 3179.2/32

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

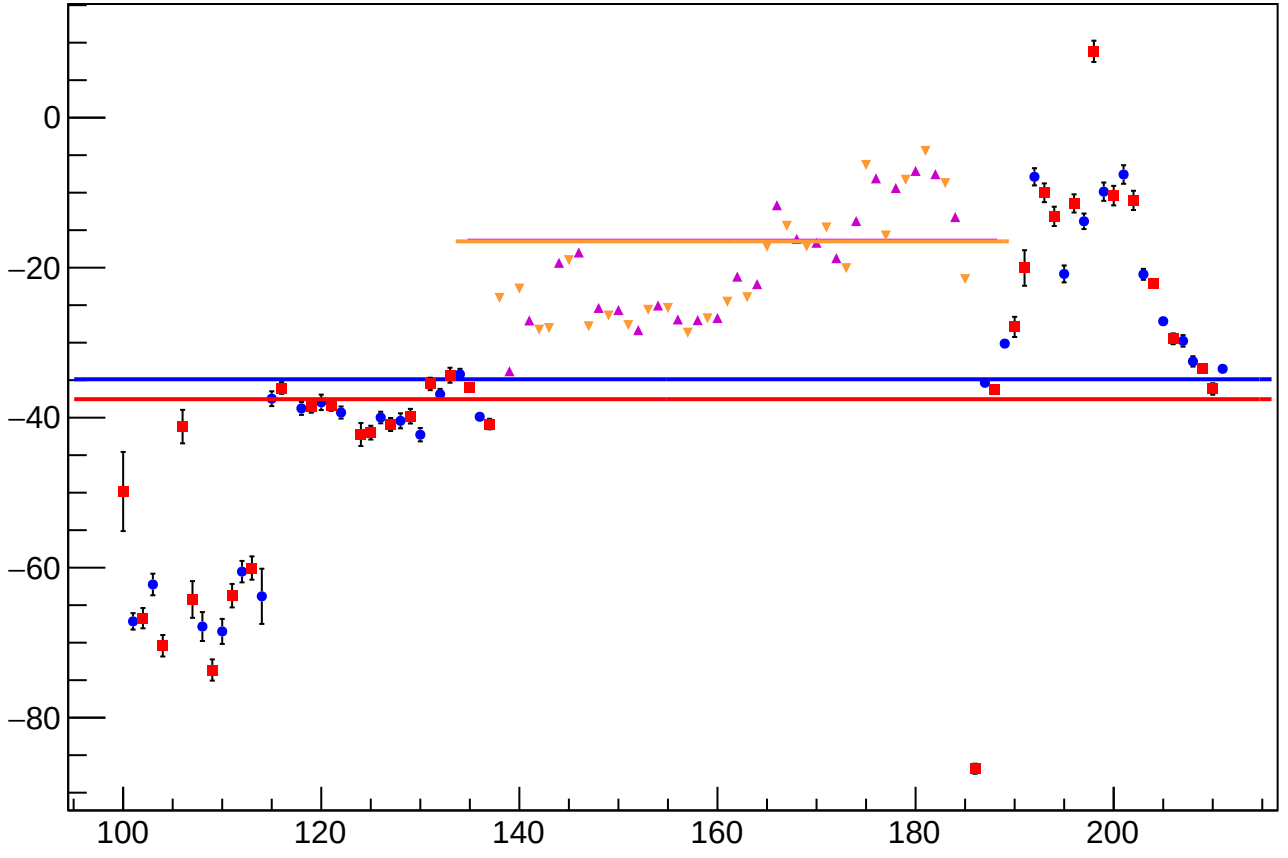
Right: 0.379+/-0.120 χ^2/NDF: 6412.8/60

In: 4.105+/-0.041 χ^2/NDF:7201.1/50

Out: 4.305+/-0.040 χ^2/NDF:8265.7/57

All: 4.206+/-0.029 χ^2/NDF: 15479.0/108

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.881+/-0.153 χ^2/NDF: 5389.5/27

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.534+/-0.152 χ^2/NDF: 11813.4/32

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

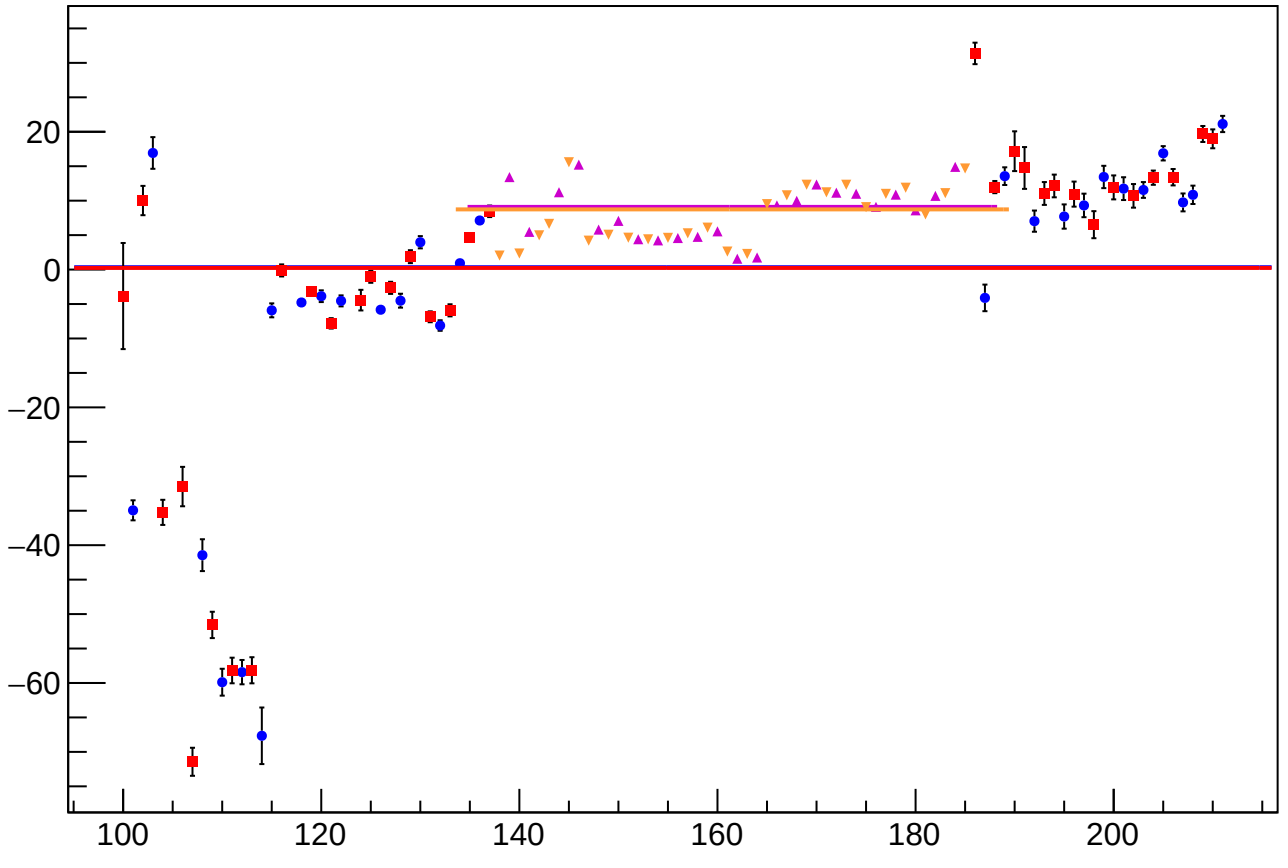
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.217+/-0.108 χ^2/NDF: 17354.0/60

In: -18.440+/-0.051 χ^2/NDF:36374.9/50

Out: -18.755+/-0.050 χ^2/NDF:50887.2/57

All: -18.601+/-0.036 χ^2/NDF: 87281.7/108



Right In: 0.340+/-0.186 χ^2/NDF: 5032.3/27

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.242+/-0.198 χ^2/NDF: 6494.8/32

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

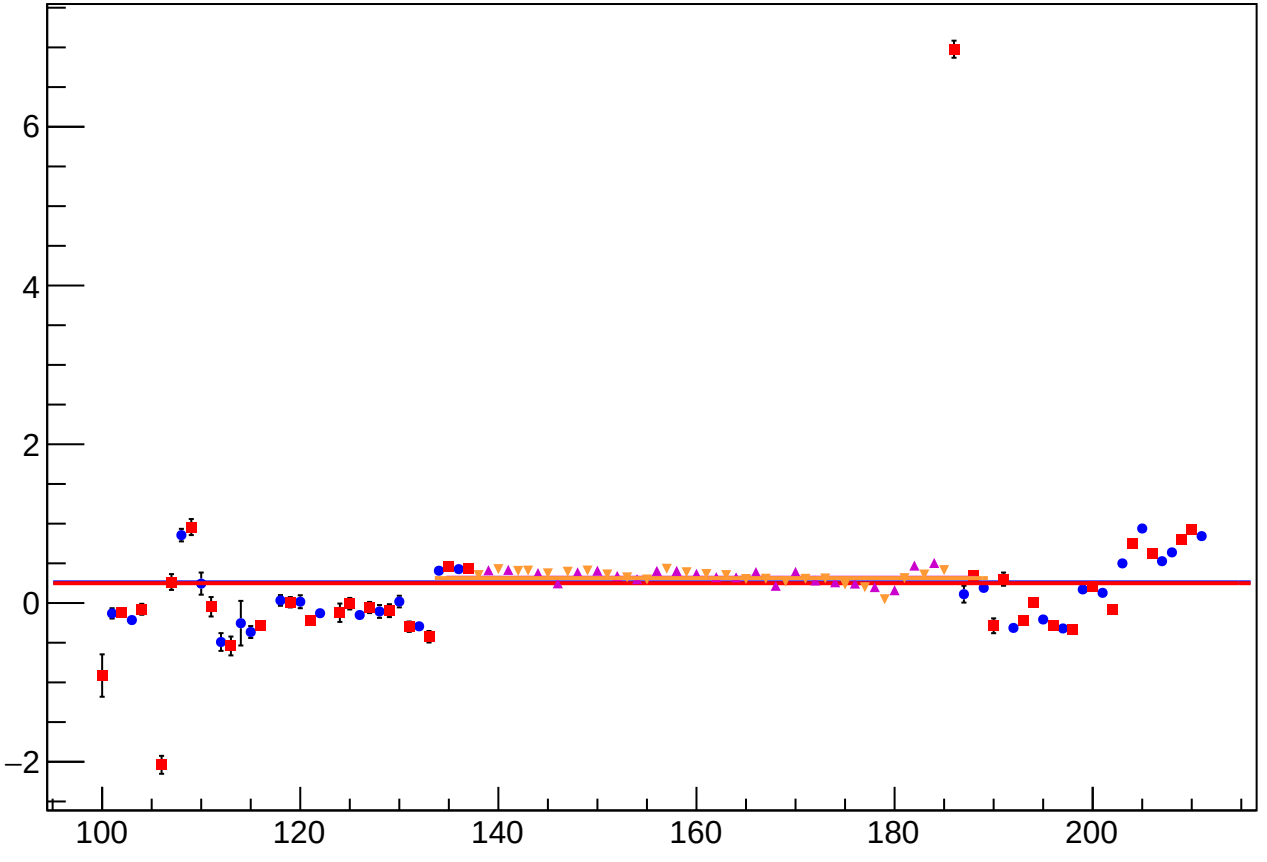
Right: 0.294+/-0.136 χ^2/NDF: 11527.3/60

In: 8.567+/-0.046 χ^2/NDF:12862.2/50

Out: 8.298+/-0.045 χ^2/NDF:15108.6/57

All: 8.430+/-0.032 χ^2/NDF: 27988.5/108

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.260+/-0.009 χ^2/NDF: 1342.1/27

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.250+/-0.010 χ^2/NDF: 5762.8/32

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

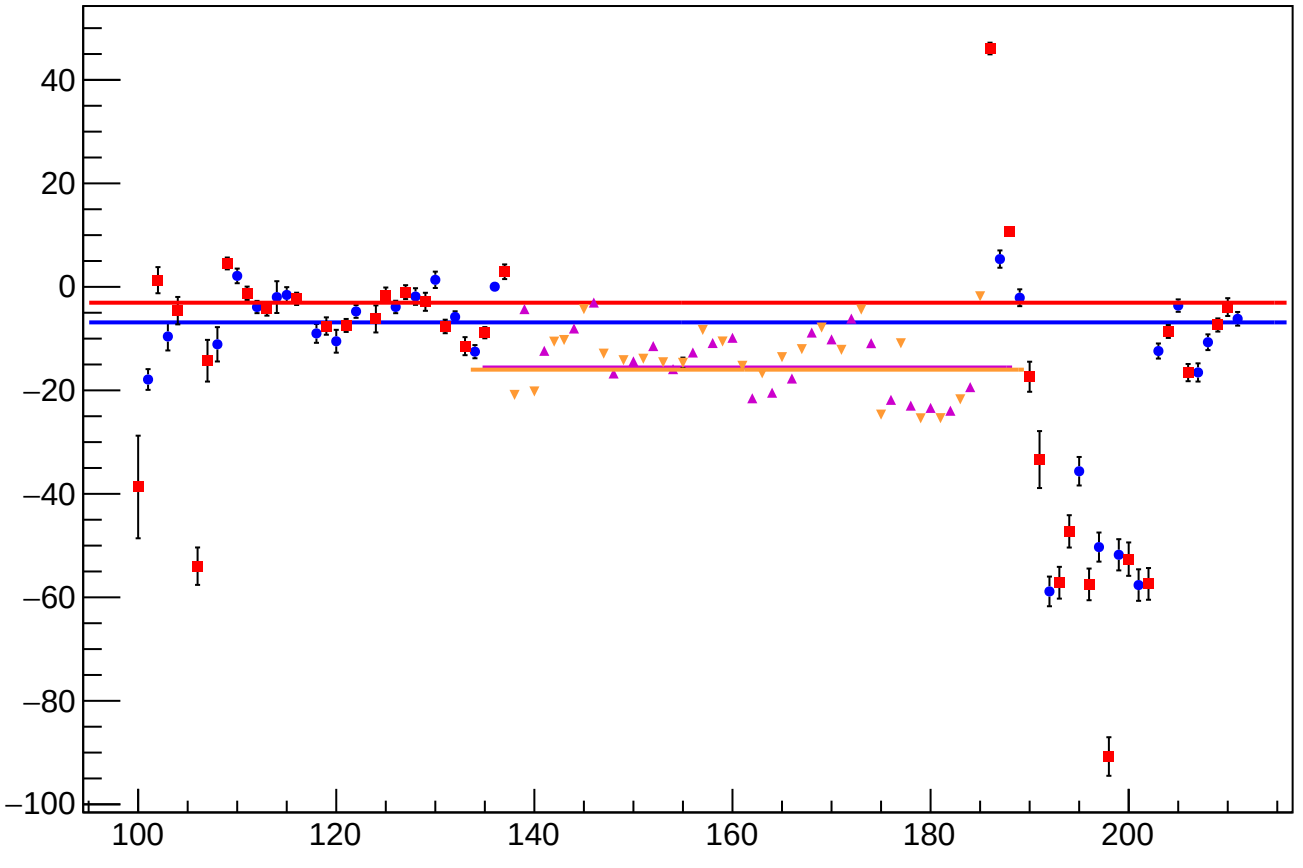
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.255+/-0.007 χ^2/NDF: 7105.5/60

In: 0.316+/-0.002 χ^2/NDF:3168.7/50

Out: 0.311+/-0.002 χ^2/NDF:7405.4/57

All: 0.313+/-0.001 χ^2/NDF: 10576.5/108



Right In: -6.864+/-0.287 χ^2/NDF: 1556.7/27

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -3.060+/-0.282 χ^2/NDF: 4578.9/32

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

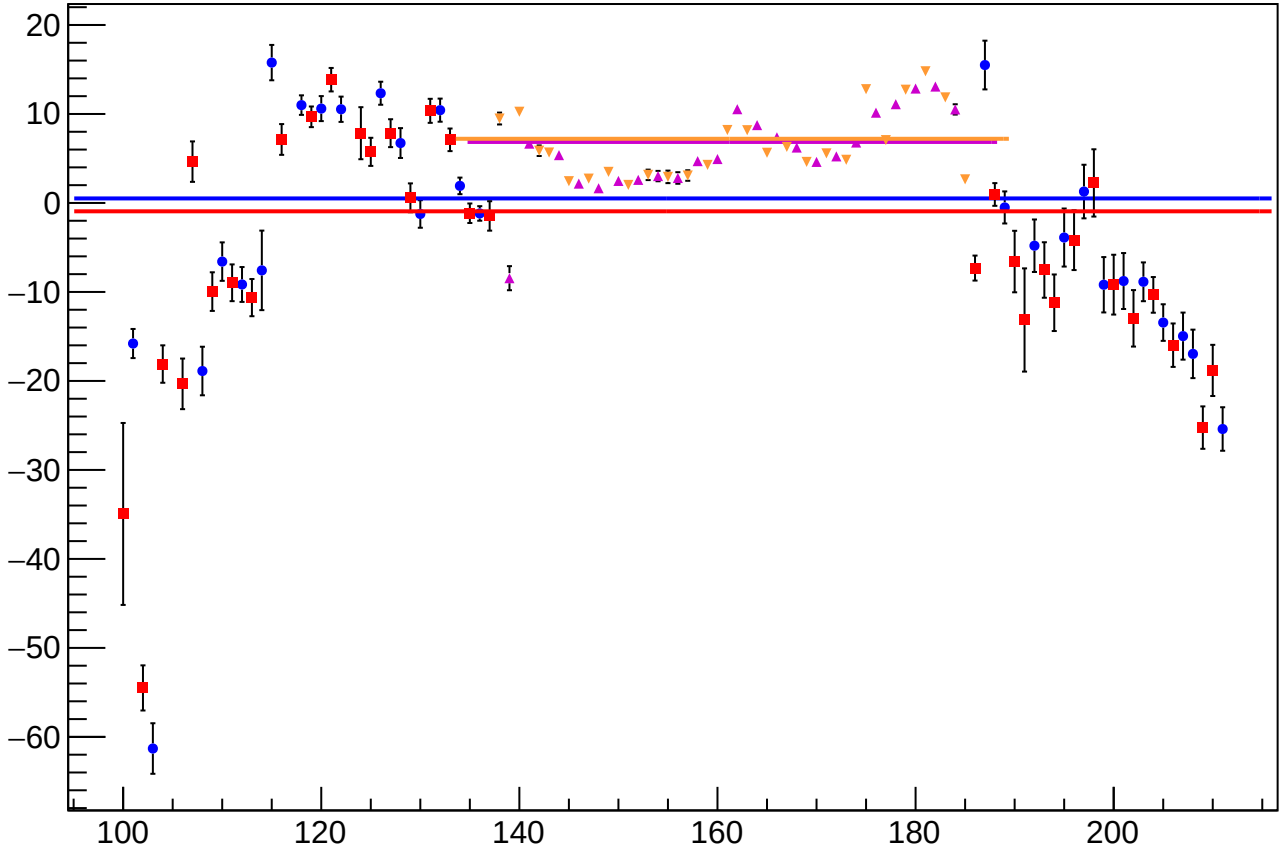
Right: -4.933+/-0.201 χ^2/NDF: 6225.1/60

In: -14.602+/-0.096 χ^2/NDF:7138.1/50

Out: -14.573+/-0.094 χ^2/NDF:12411.9/57

All: -14.587+/-0.067 χ^2/NDF: 19550.0/108

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.509+/-0.321 χ^2/NDF: 1382.8/27

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.939+/-0.330 χ^2/NDF: 1300.2/32

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

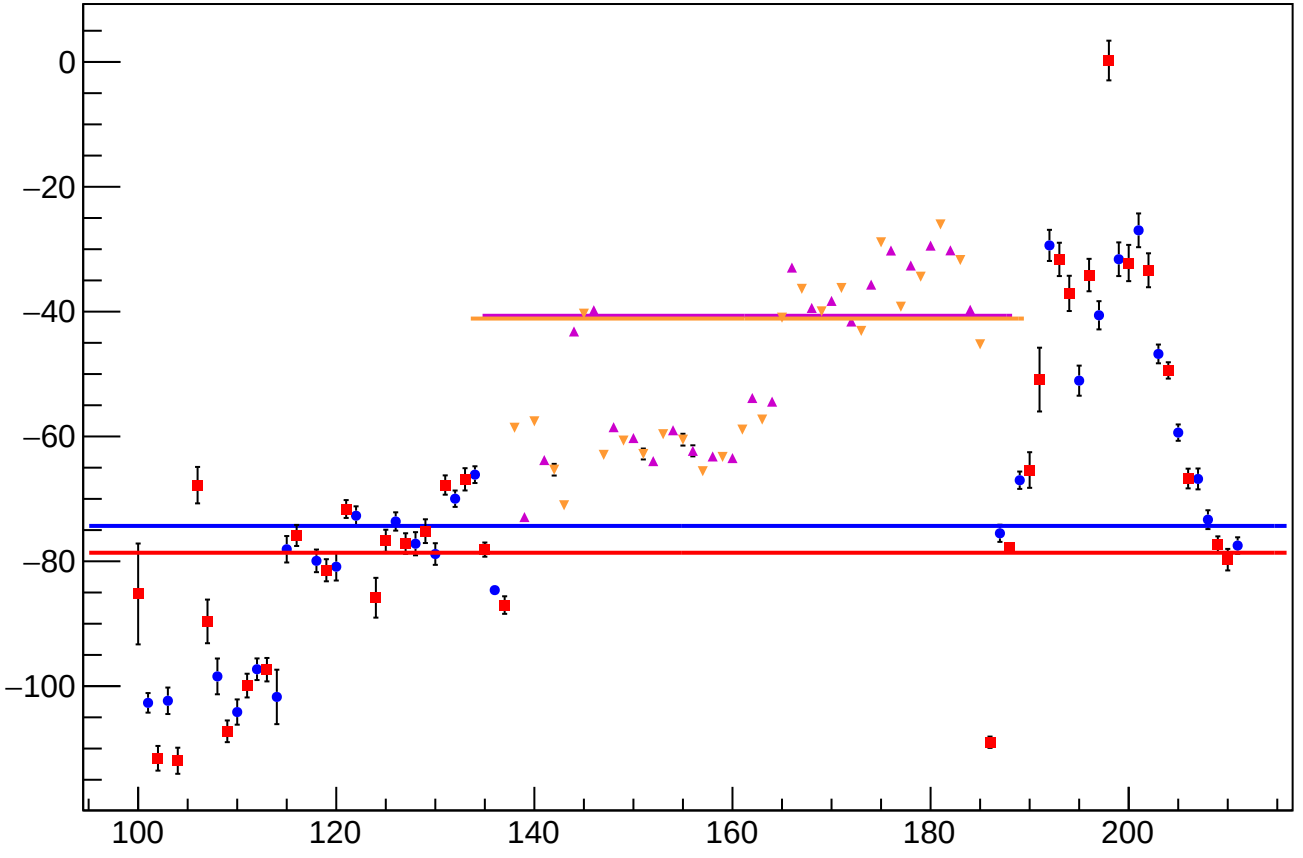
Right: -0.195+/-0.230 χ^2/NDF: 2693.0/60

In: 6.475+/-0.079 χ^2/NDF:3907.0/50

Out: 6.758+/-0.078 χ^2/NDF:4333.6/57

All: 6.618+/-0.055 χ^2/NDF: 8247.2/108

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -74.330+/-0.301 χ^2/NDF: 3014.8/27

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.629+/-0.292 χ^2/NDF: 4920.3/32

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

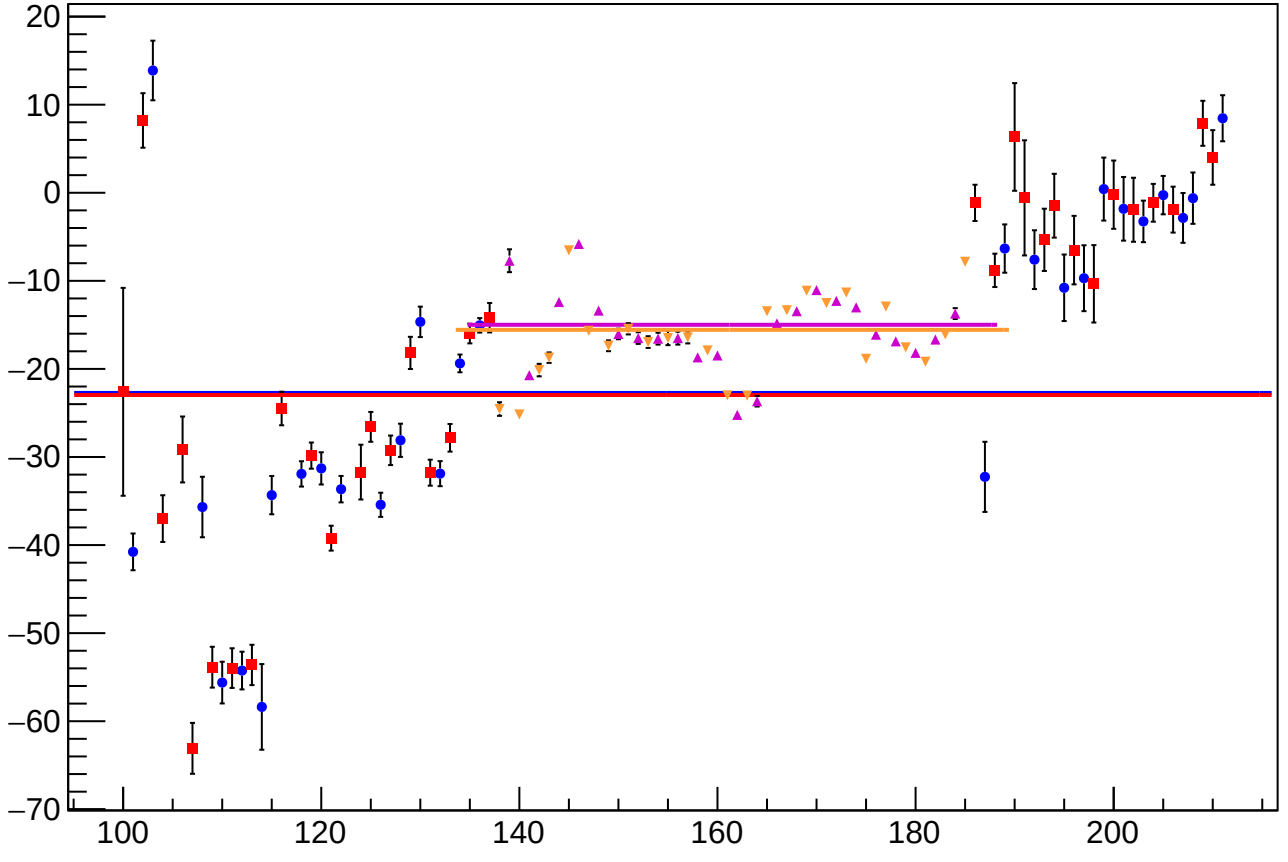
Right: -76.550+/-0.210 χ^2/NDF: 8040.1/60

In: -44.140+/-0.097 χ^2/NDF:27752.6/50

Out: -45.060+/-0.095 χ^2/NDF:35738.2/57

All: -44.611+/-0.068 χ^2/NDF: 63537.1/108

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.728+/-0.359 χ^2/NDF: 1652.2/27

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.958+/-0.378 χ^2/NDF: 1918.4/32

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

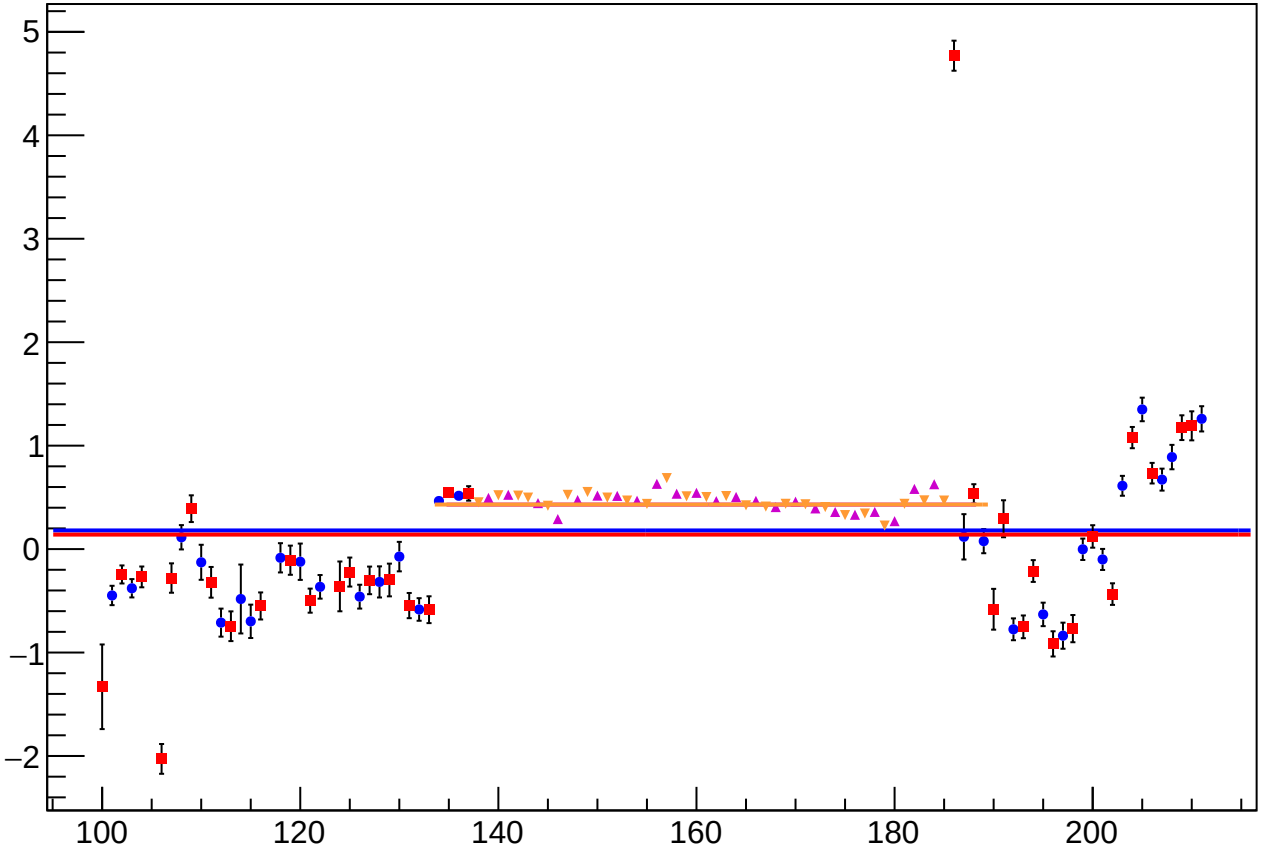
Right: -22.837+/-0.260 χ^2/NDF: 3570.8/60

In: -15.450+/-0.088 χ^2/NDF:4239.7/50

Out: -15.949+/-0.086 χ^2/NDF:4830.0/57

All: -15.702+/-0.062 χ^2/NDF: 9086.1/108

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.180+/-0.018 χ^2/NDF: 894.4/27

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.140+/-0.019 χ^2/NDF: 2135.4/32

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

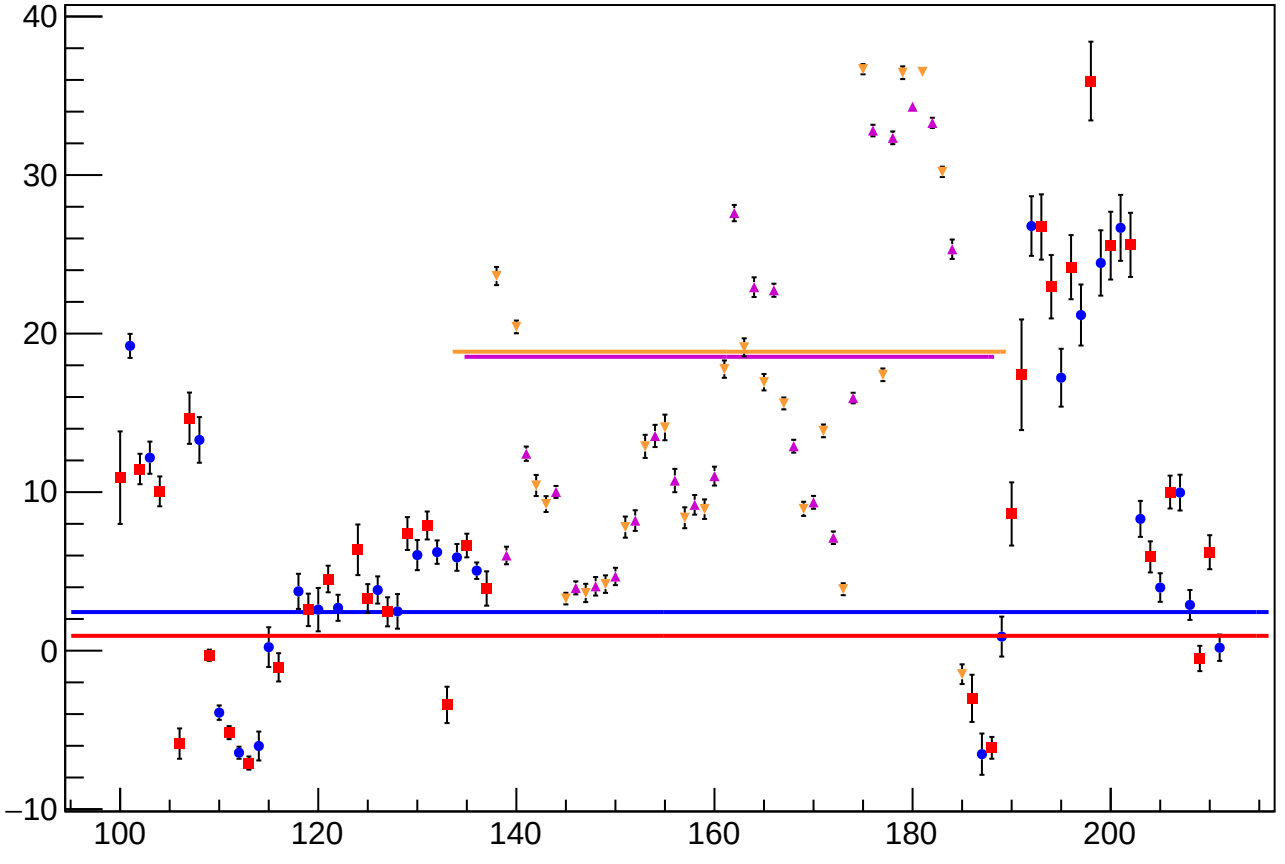
Right: 0.162+/-0.013 χ^2/NDF: 3032.1/60

In: 0.418+/-0.004 χ^2/NDF:1662.5/50

Out: 0.419+/-0.004 χ^2/NDF:2771.6/57

All: 0.418+/-0.003 χ^2/NDF: 4434.2/108

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.435+/-0.163 χ^2/NDF: 2261.7/27

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.936+/-0.150 χ^2/NDF: 2354.8/32

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

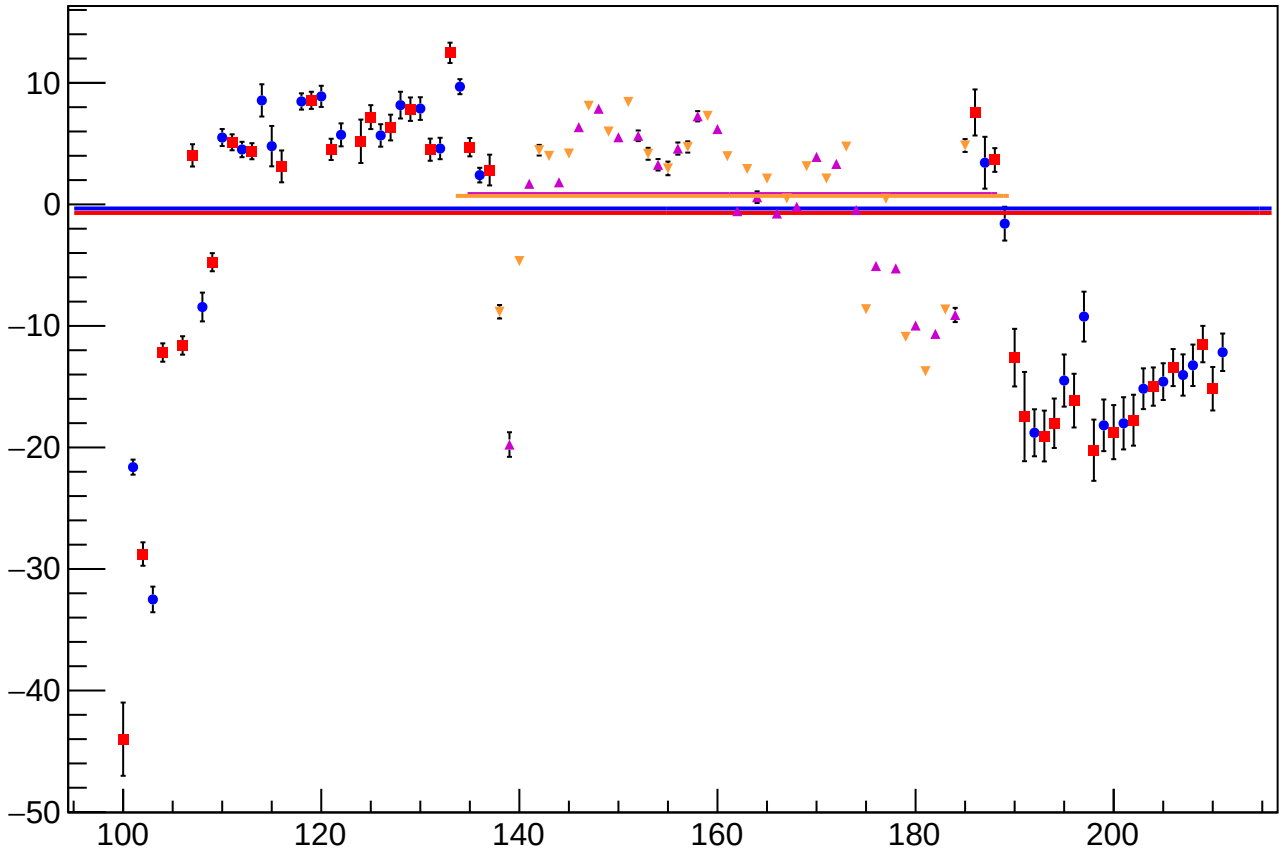
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.625+/-0.110 χ^2/NDF: 4662.3/60

In: 14.559+/-0.081 χ^2/NDF:23692.6/50

Out: 14.090+/-0.077 χ^2/NDF:31182.3/57

All: 14.314+/-0.056 χ^2/NDF: 54892.4/108



Right In: -0.337+/-0.189 χ^2/NDF: 3802.0/27

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.704+/-0.186 χ^2/NDF: 3184.5/32

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

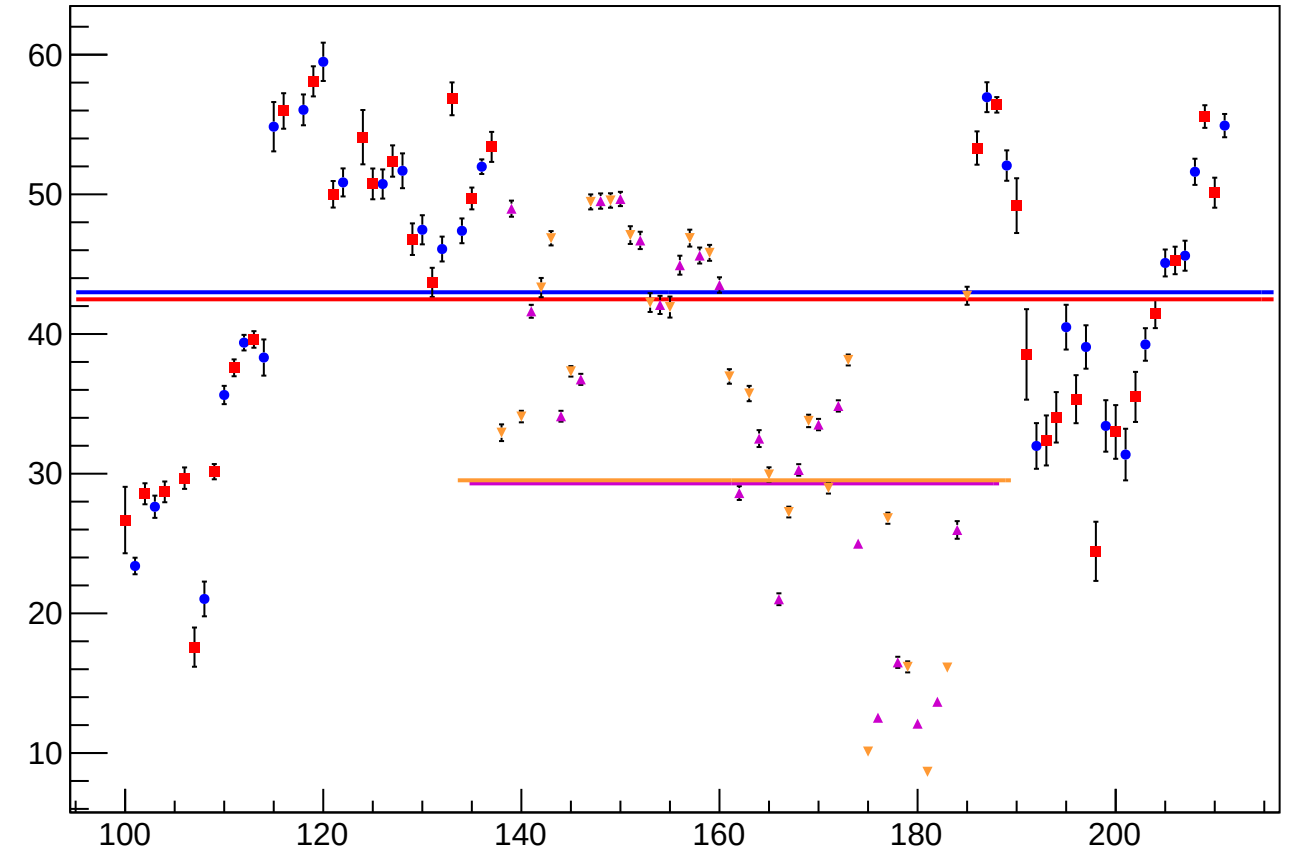
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -0.524+/-0.133 χ^2/NDF: 6988.4/60

In: 0.695+/-0.068 χ^2/NDF:9881.5/50

Out: 0.525+/-0.066 χ^2/NDF:11472.3/57

All: 0.608+/-0.047 χ^2/NDF: 21357.1/108



Right In: 42.991+/-0.179 χ^2/NDF: 3473.6/27

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.485+/-0.170 χ^2/NDF: 4058.3/32

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

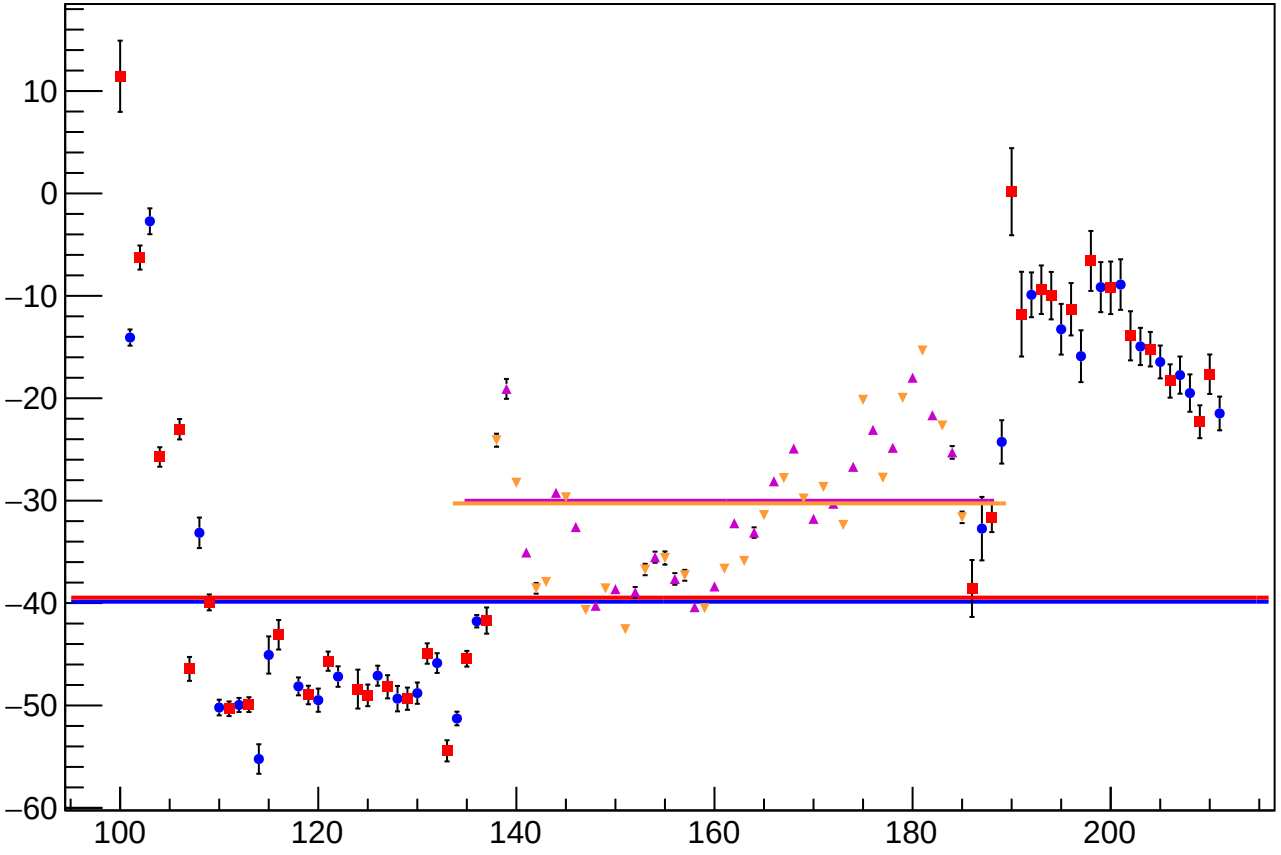
Right: 42.724+/-0.123 χ^2/NDF: 7536.1/60

In: 32.224+/-0.083 χ^2/NDF:25952.3/50

Out: 32.399+/-0.080 χ^2/NDF:29679.4/57

All: 32.315+/-0.057 χ^2/NDF: 55634.1/108

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -39.866+/-0.214 χ^2/NDF: 4773.2/27

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.469+/-0.213 χ^2/NDF: 4277.0/32

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

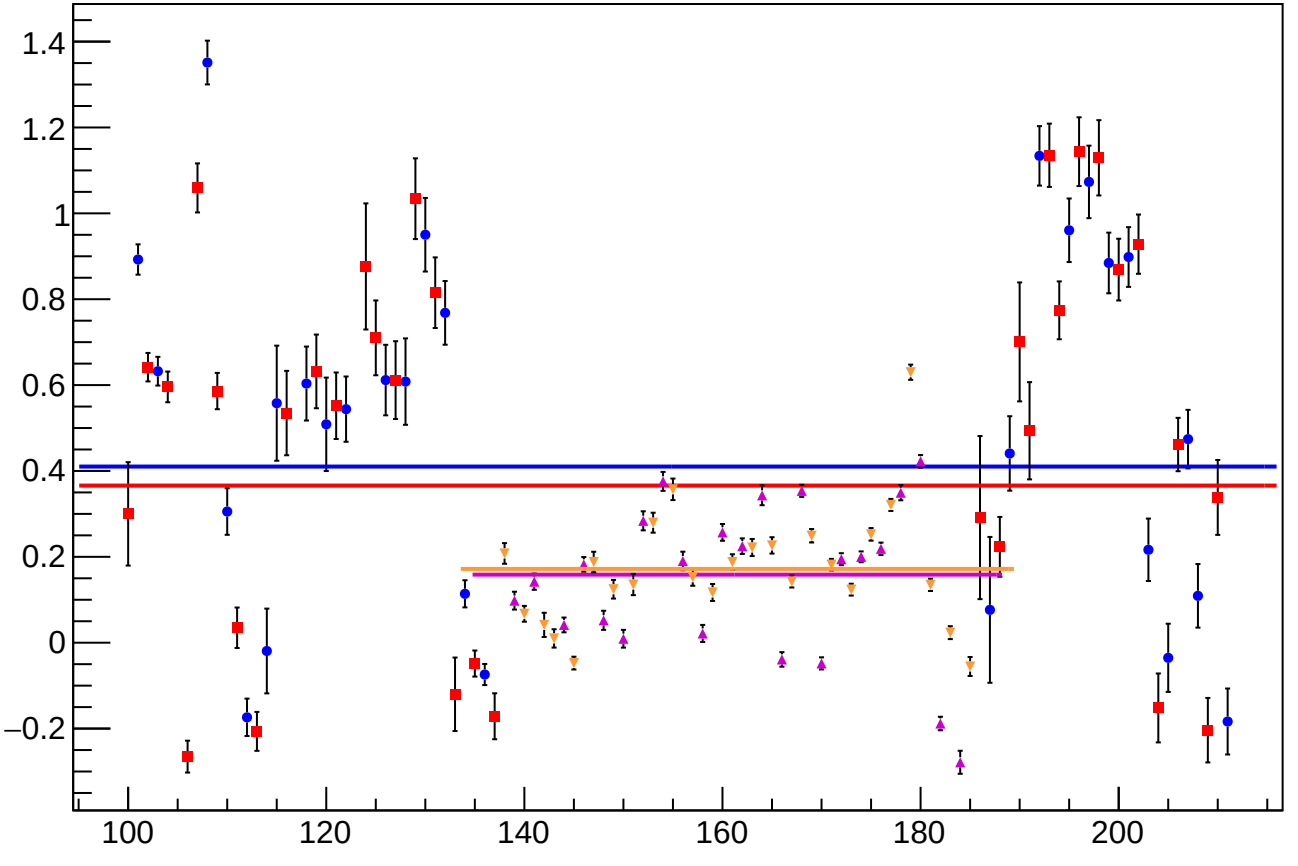
Right: -39.667+/-0.151 χ^2/NDF: 9051.9/60

In: -31.256+/-0.076 χ^2/NDF:12711.4/50

Out: -31.391+/-0.074 χ^2/NDF:14422.3/57

All: -31.325+/-0.053 χ^2/NDF: 27135.3/108

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.410+/-0.011 χ^2/NDF: 1773.1/27

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.366+/-0.011 χ^2/NDF: 1780.5/32

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

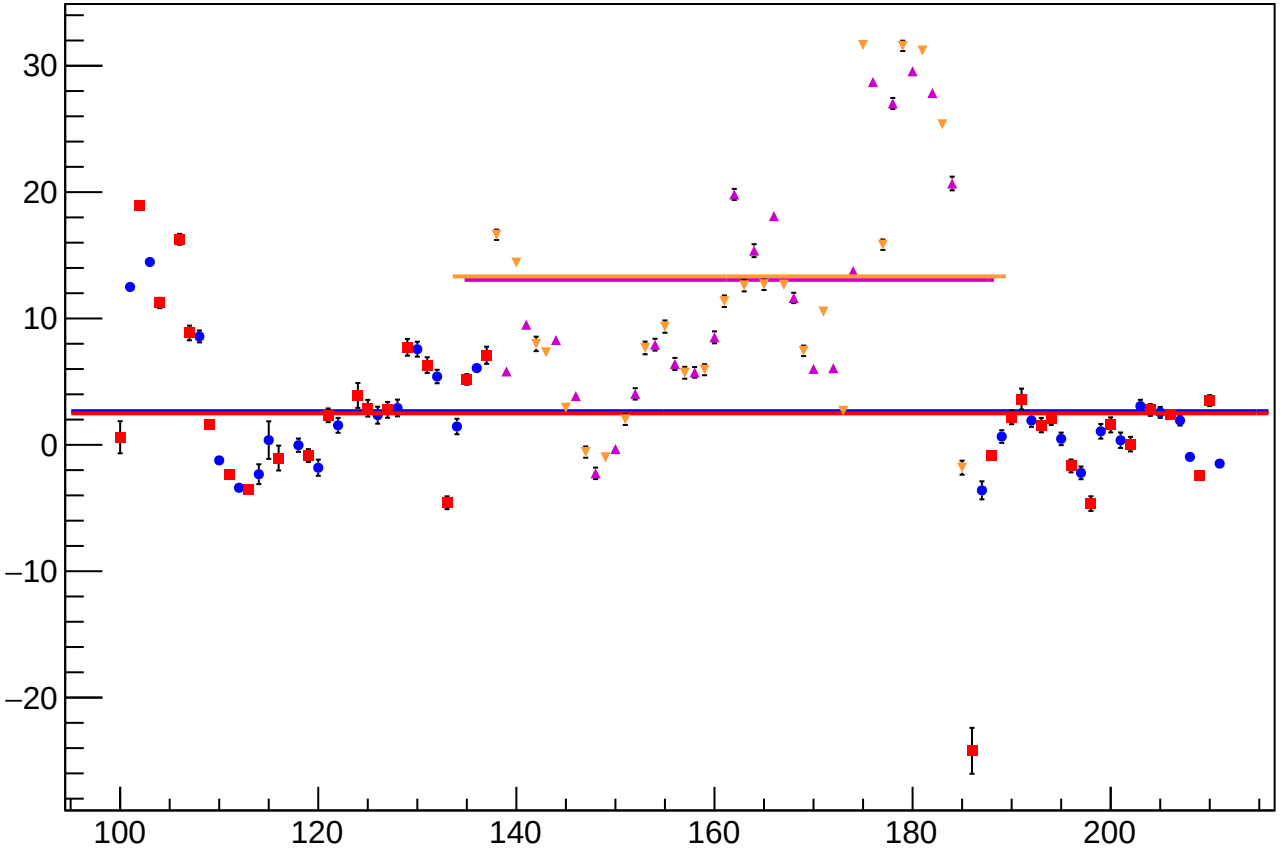
Right: 0.388+/-0.008 χ^2/NDF: 3562.2/60

In: 0.185+/-0.003 χ^2/NDF:4456.9/50

Out: 0.192+/-0.003 χ^2/NDF:3586.4/57

All: 0.188+/-0.002 χ^2/NDF: 8045.4/108

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.662+/-0.088 χ^2/NDF: 3334.1/27

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.494+/-0.081 χ^2/NDF: 5386.5/32

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

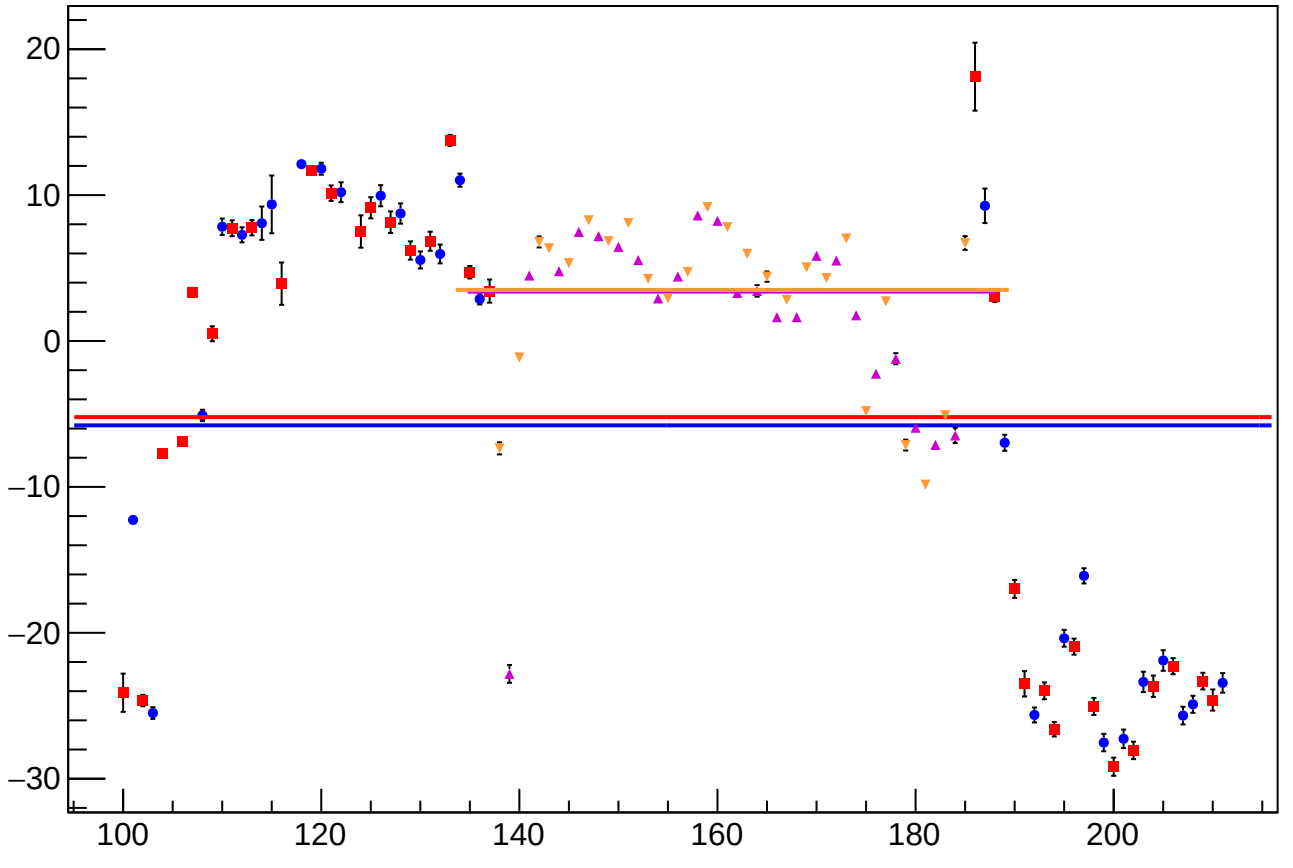
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.572+/-0.060 χ^2/NDF: 8722.5/60

In: 8.407+/-0.059 χ^2/NDF:26585.3/50

Out: 8.216+/-0.056 χ^2/NDF:34224.2/57

All: 8.306+/-0.041 χ^2/NDF: 60815.1/108



Right In: -5.781+/-0.097 χ^2/NDF: 22771.5/27

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -5.217+/-0.091 χ^2/NDF: 25567.4/32

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

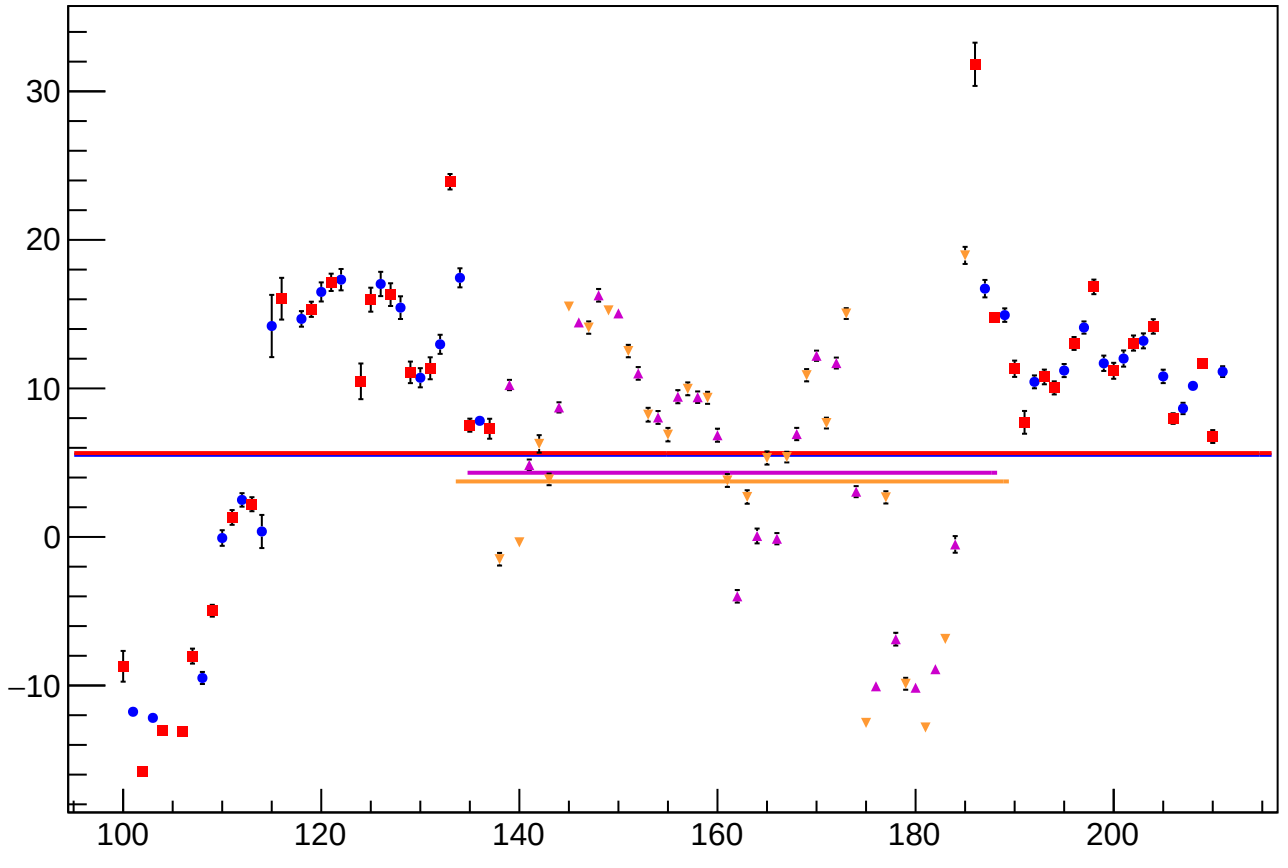
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -5.480+/-0.066 χ^2/NDF: 48356.9/60

In: 0.789+/-0.052 χ^2/NDF:35873.2/50

Out: 0.945+/-0.049 χ^2/NDF:39980.1/57

All: 0.871+/-0.036 χ^2/NDF: 75858.2/108



Right In: 5.530+/-0.086 χ^2/NDF: 14120.3/27

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.646+/-0.080 χ^2/NDF: 20395.5/32

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

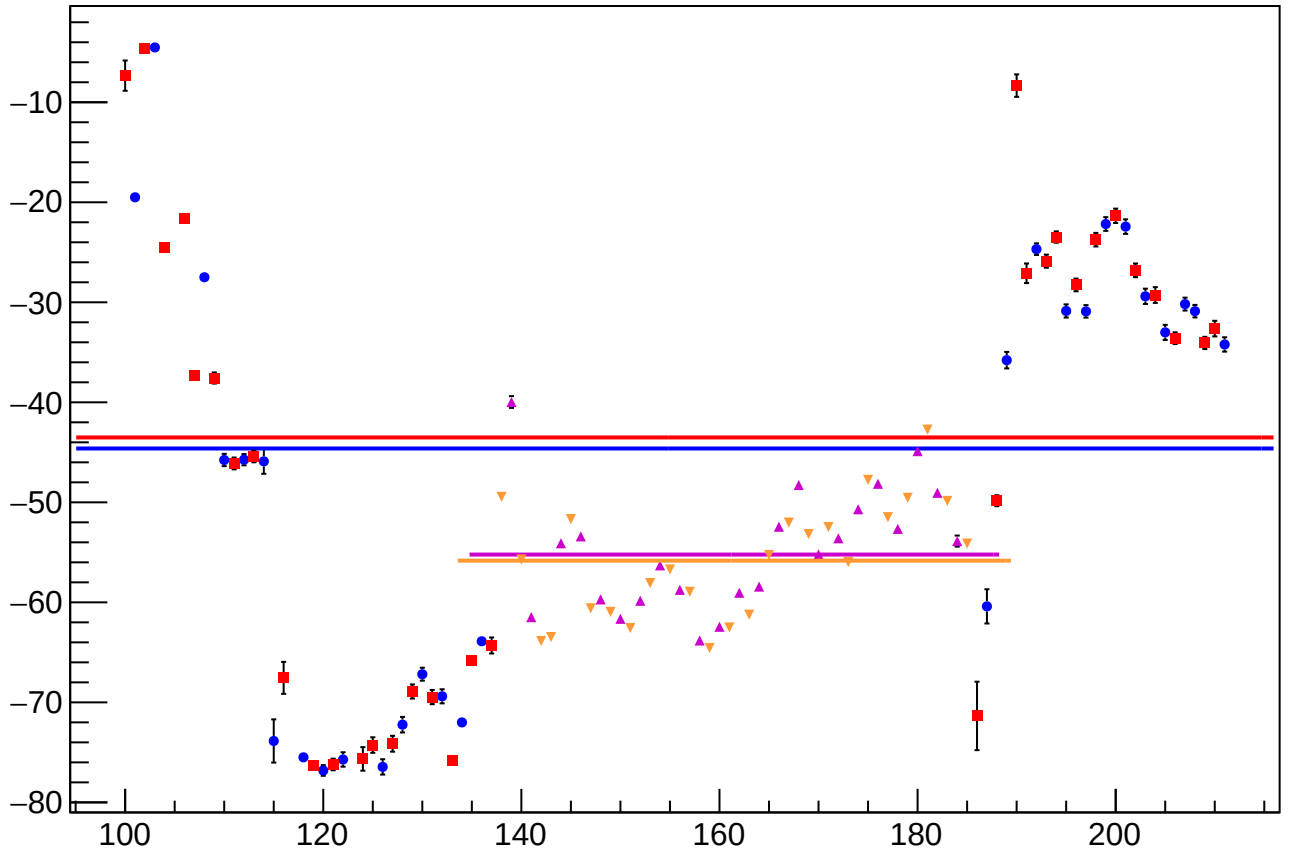
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.593+/-0.059 χ^2/NDF: 34516.8/60

In: 4.869+/-0.058 χ^2/NDF:26710.4/50

Out: 4.652+/-0.055 χ^2/NDF:36281.0/57

All: 4.755+/-0.040 χ^2/NDF: 62998.7/108



Right In: -44.618+/-0.113 χ^2/NDF: 42270.6/27

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -43.513+/-0.107 χ^2/NDF: 43794.8/32

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

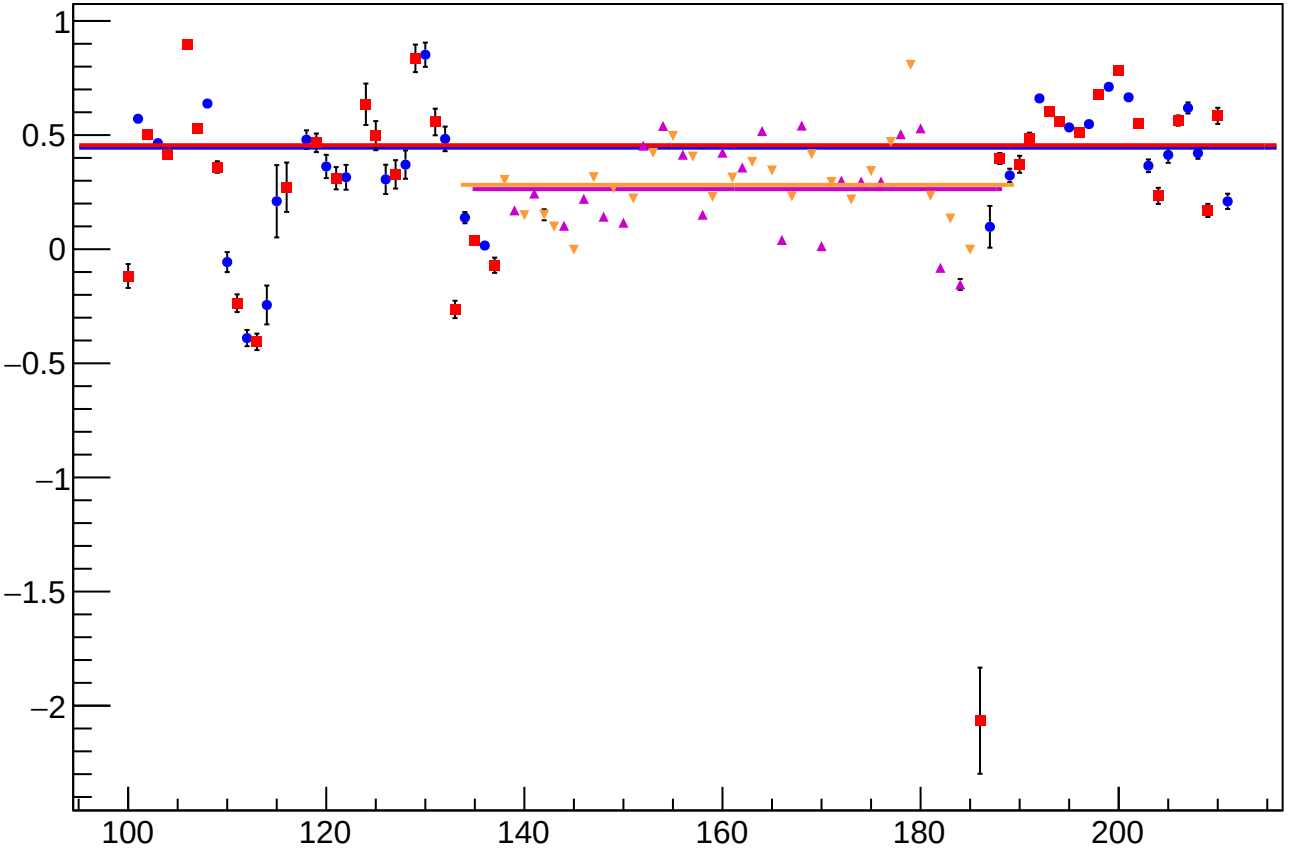
Right: -44.037+/-0.078 χ^2/NDF: 86115.7/60

In: -52.361+/-0.059 χ^2/NDF:55041.0/50

Out: -52.428+/-0.056 χ^2/NDF:60916.4/57

All: -52.395+/-0.041 χ^2/NDF: 115958.1/108

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.445+/-0.005 χ^2/NDF: 2658.2/27

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.004 χ^2/NDF: 3762.9/32

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

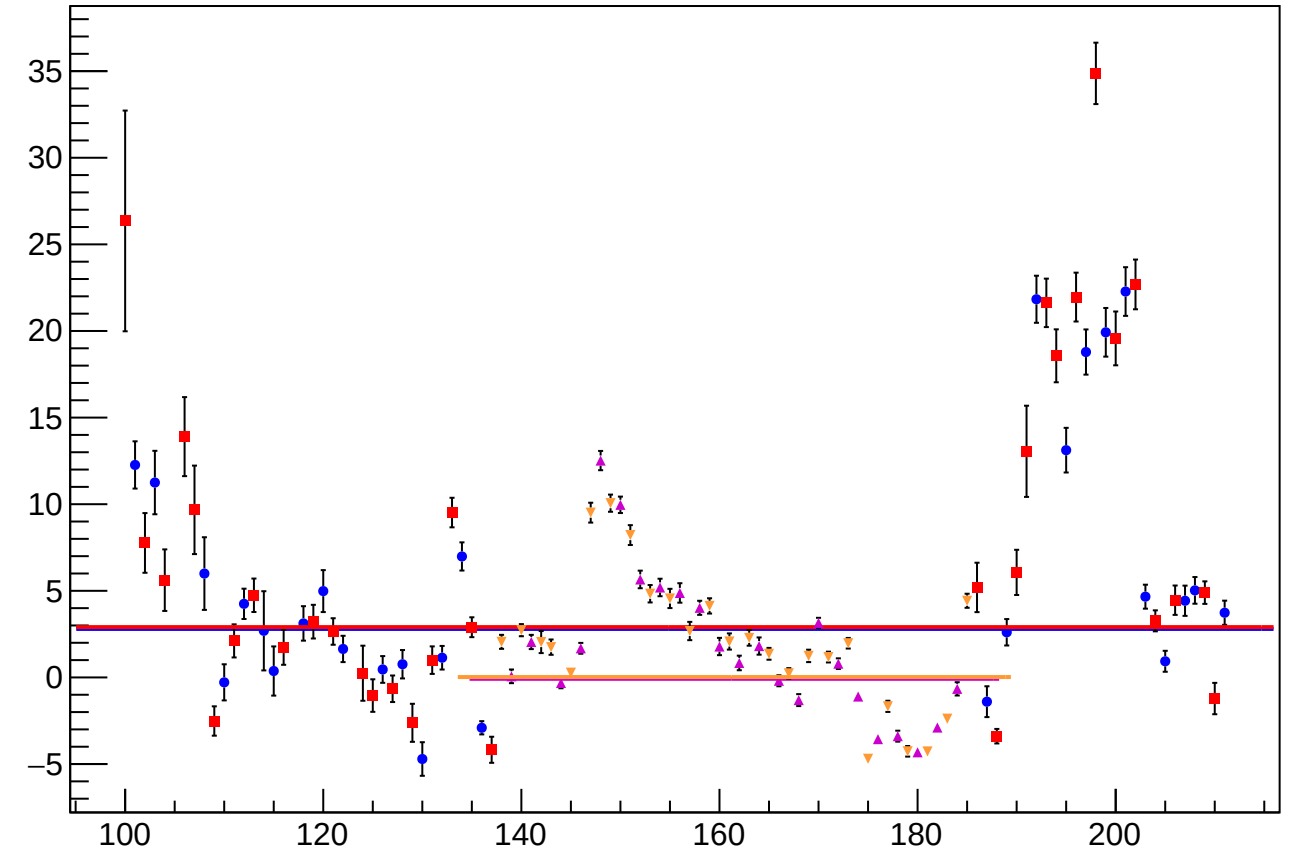
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.451+/-0.003 χ^2/NDF: 6423.9/60

In: 0.317+/-0.003 χ^2/NDF:7549.5/50

Out: 0.337+/-0.002 χ^2/NDF:7539.2/57

All: 0.327+/-0.002 χ^2/NDF: 15120.0/108



Right In: 2.800+/-0.163 χ^2/NDF: 1227.1/27

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.905+/-0.164 χ^2/NDF: 1701.6/32

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

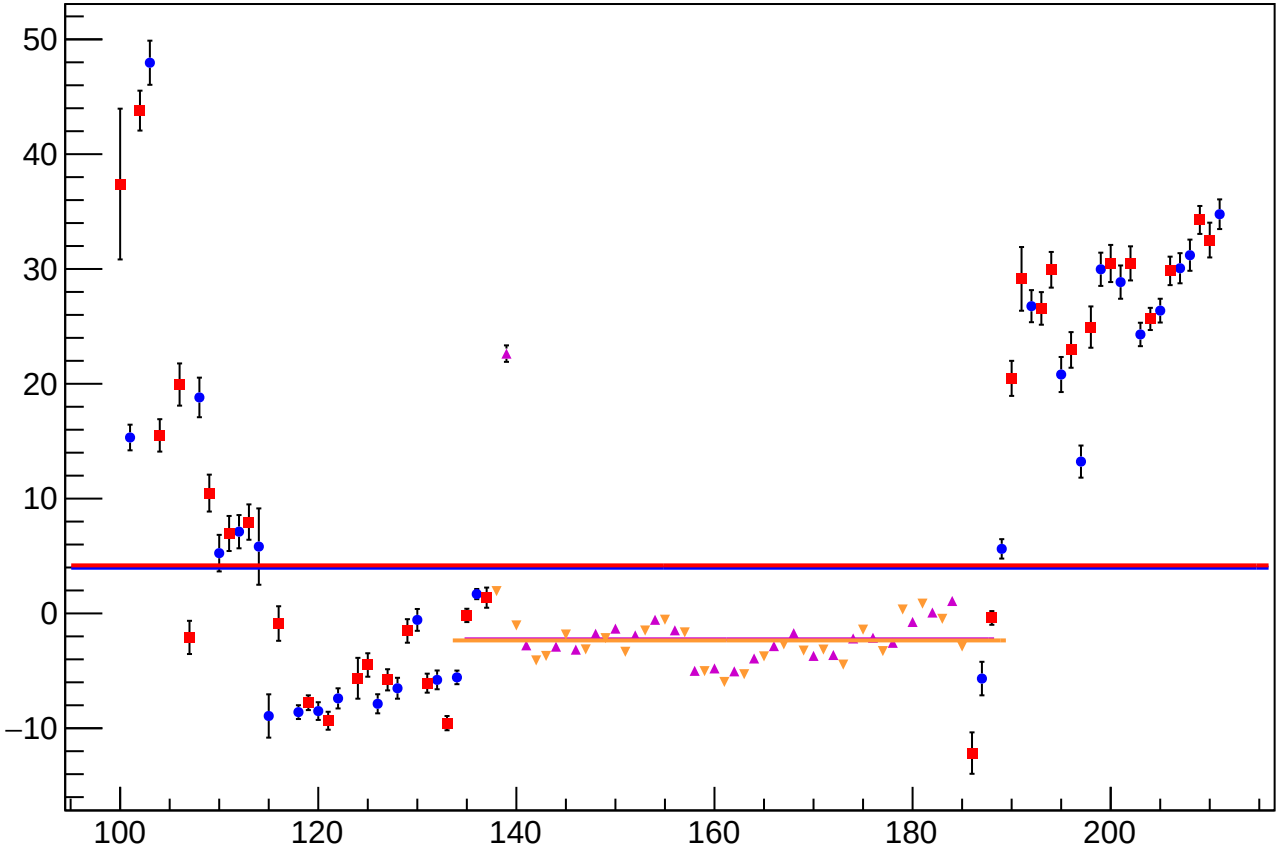
Right: 2.852+/-0.115 χ^2/NDF: 2928.9/60

In: 0.378+/-0.065 χ^2/NDF:3955.1/50

Out: 0.453+/-0.063 χ^2/NDF:4725.3/57

All: 0.416+/-0.045 χ^2/NDF: 8681.2/108

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.982+/-0.184 χ^2/NDF: 5732.1/27

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 4.184+/-0.189 χ^2/NDF: 5941.4/32

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

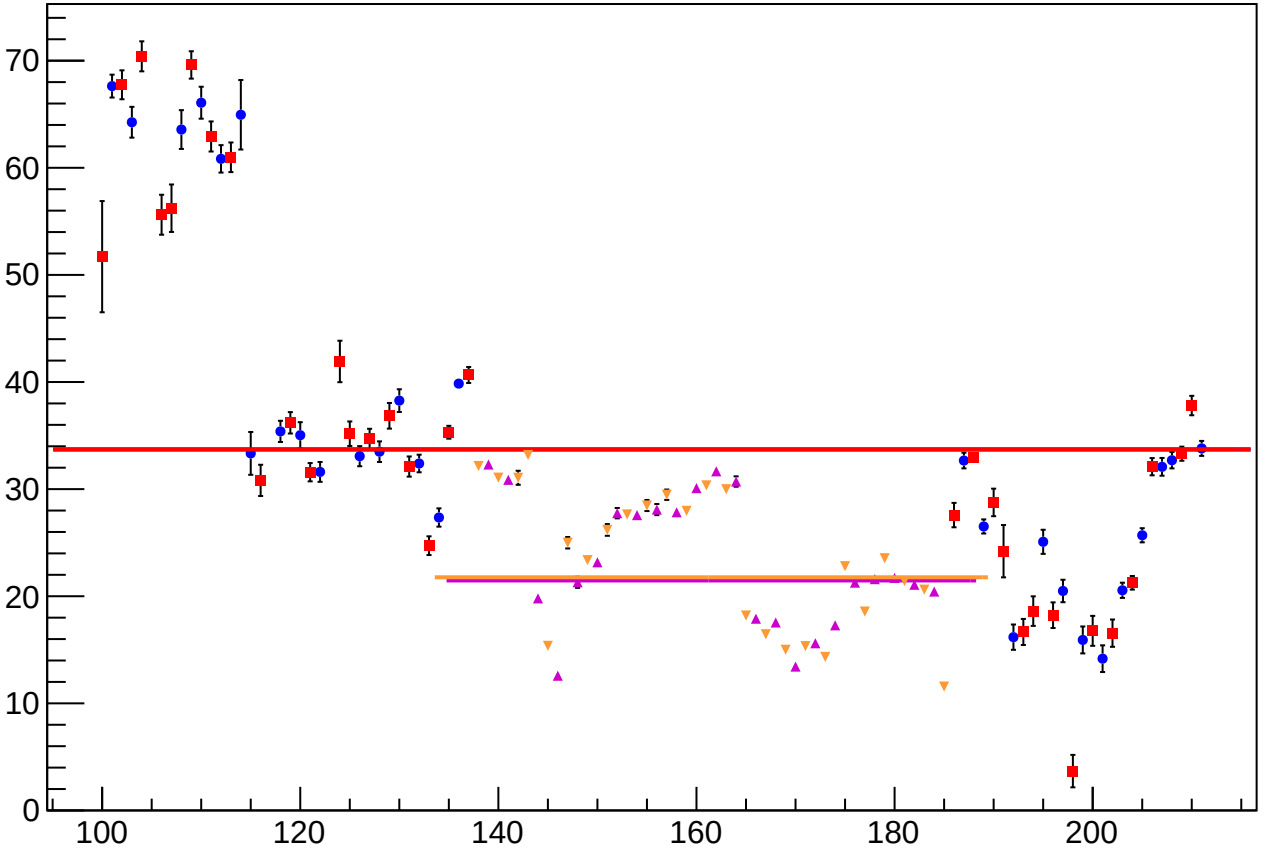
Right: 4.080+/-0.132 χ^2/NDF: 11674.1/60

In: -1.723+/-0.054 χ^2/NDF:8657.7/50

Out: -1.839+/-0.053 χ^2/NDF:8171.7/57

All: -1.782+/-0.038 χ^2/NDF: 16831.8/108

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.699+/-0.167 χ^2/NDF: 4586.8/27

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.721+/-0.164 χ^2/NDF: 5109.7/32

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

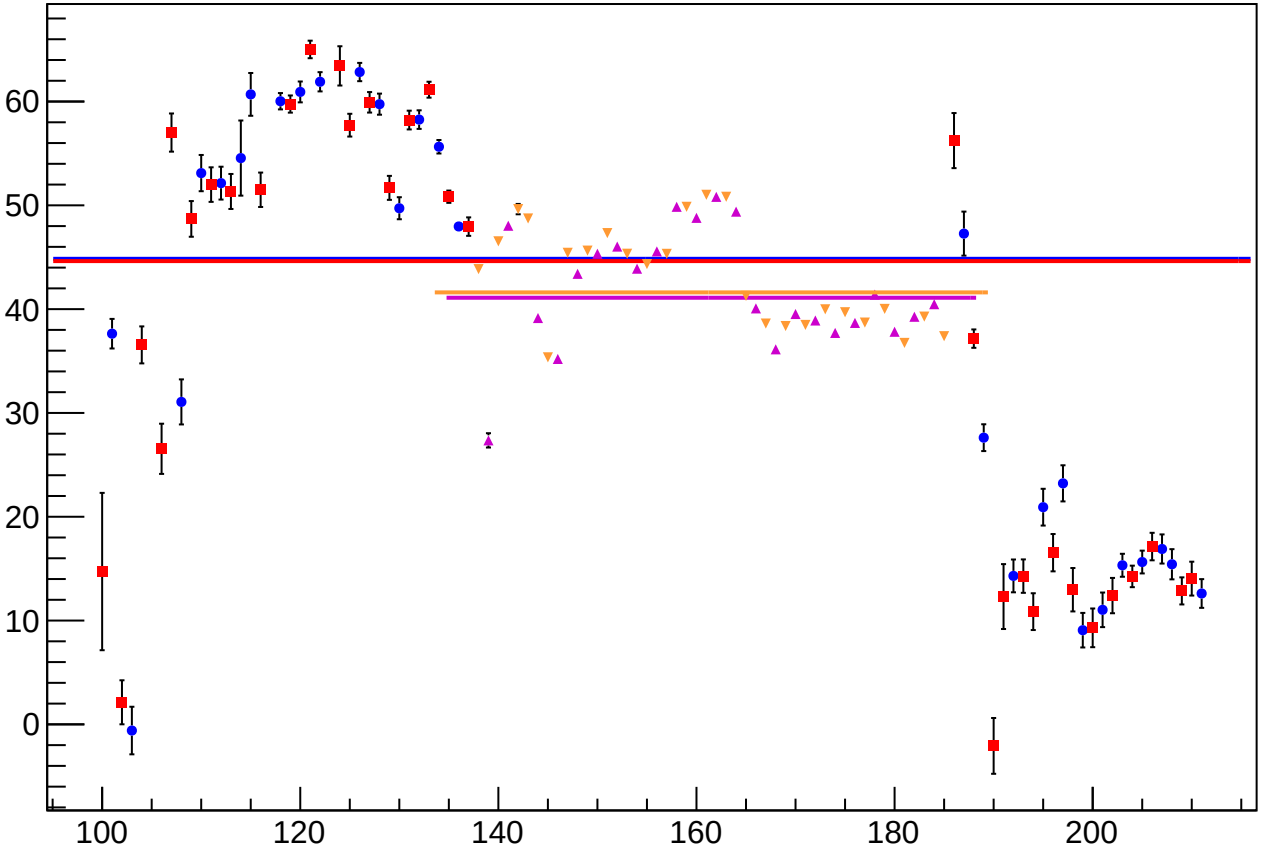
Right: 33.710+/-0.117 χ^2/NDF: 9696.5/60

In: 23.334+/-0.065 χ^2/NDF:14940.6/50

Out: 23.562+/-0.063 χ^2/NDF:16444.0/57

All: 23.451+/-0.045 χ^2/NDF: 31390.9/108

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.848+/-0.207 χ^2/NDF: 7272.9/27

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 44.628+/-0.217 χ^2/NDF: 7491.5/32

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

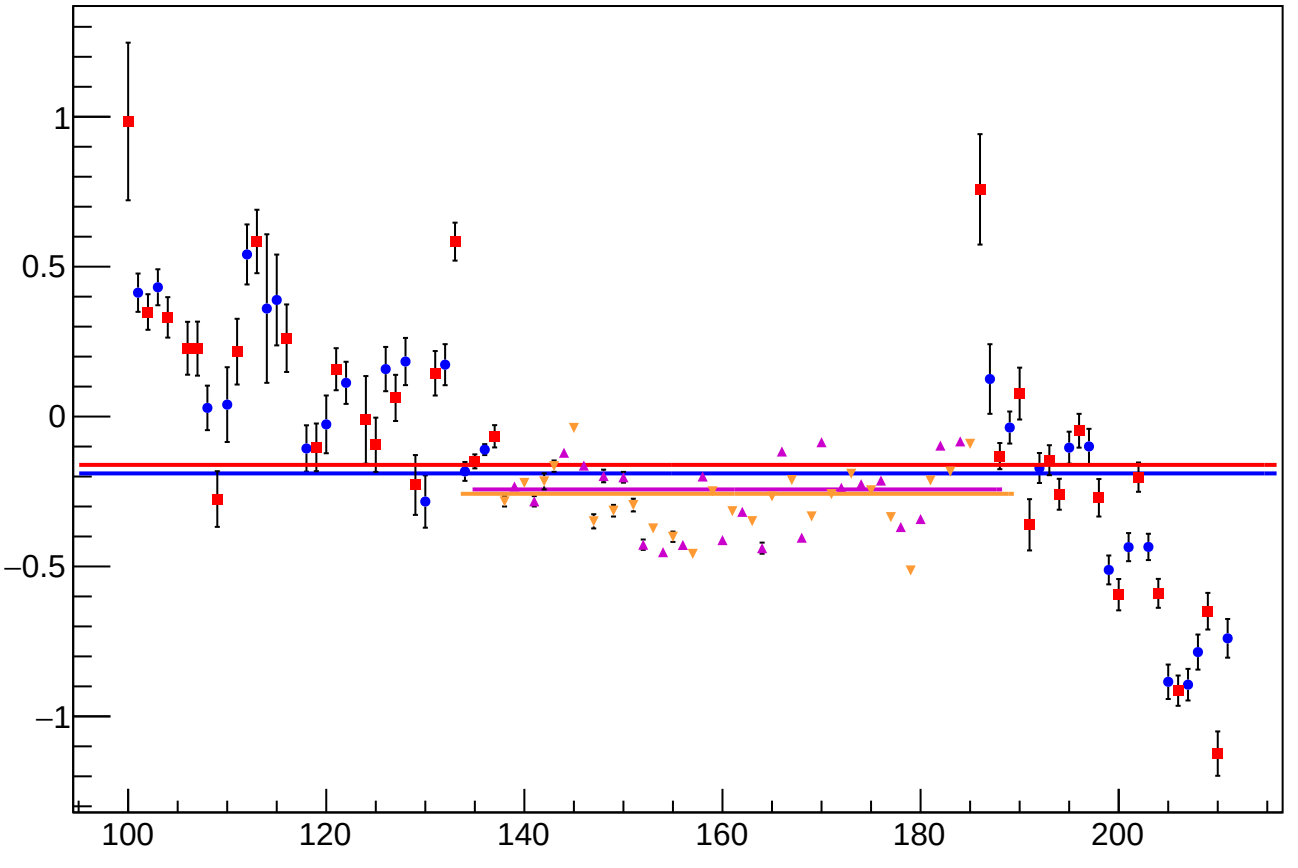
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 44.743+/-0.150 χ^2/NDF: 14764.9/60

In: 41.411+/-0.060 χ^2/NDF:13050.5/50

Out: 41.836+/-0.059 χ^2/NDF:13446.3/57

All: 41.627+/-0.042 χ^2/NDF: 26522.2/108



Right In: -0.190+/-0.010 χ^2/NDF: 1021.6/27

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.161+/-0.010 χ^2/NDF: 1107.5/32

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

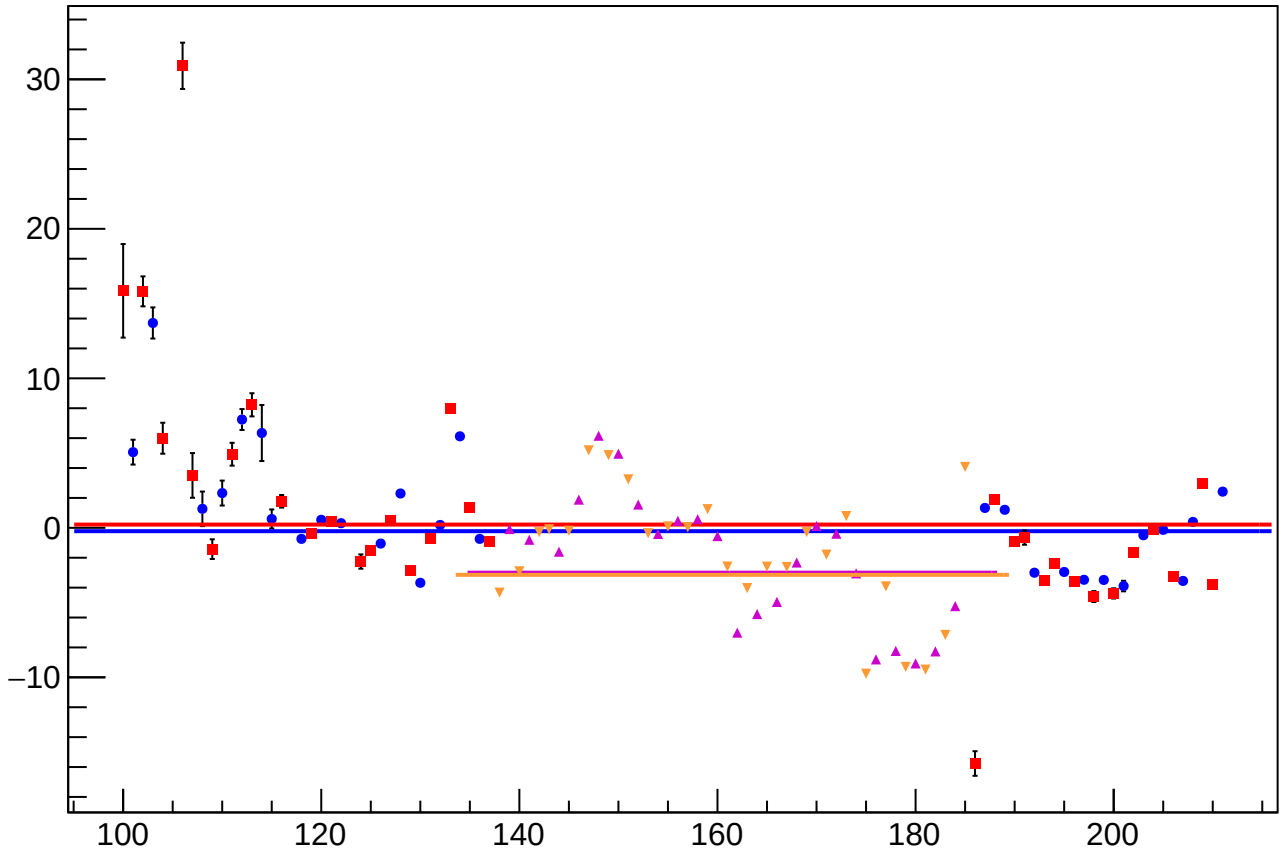
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.176+/-0.007 χ^2/NDF: 2133.0/60

In: -0.239+/-0.003 χ^2/NDF:2860.3/50

Out: -0.251+/-0.003 χ^2/NDF:2702.3/57

All: -0.245+/-0.002 χ^2/NDF: 5573.4/108



Right In: -0.224+/-0.050 χ^2/NDF: 2234.3/27

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.218+/-0.048 χ^2/NDF: 5071.6/32

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

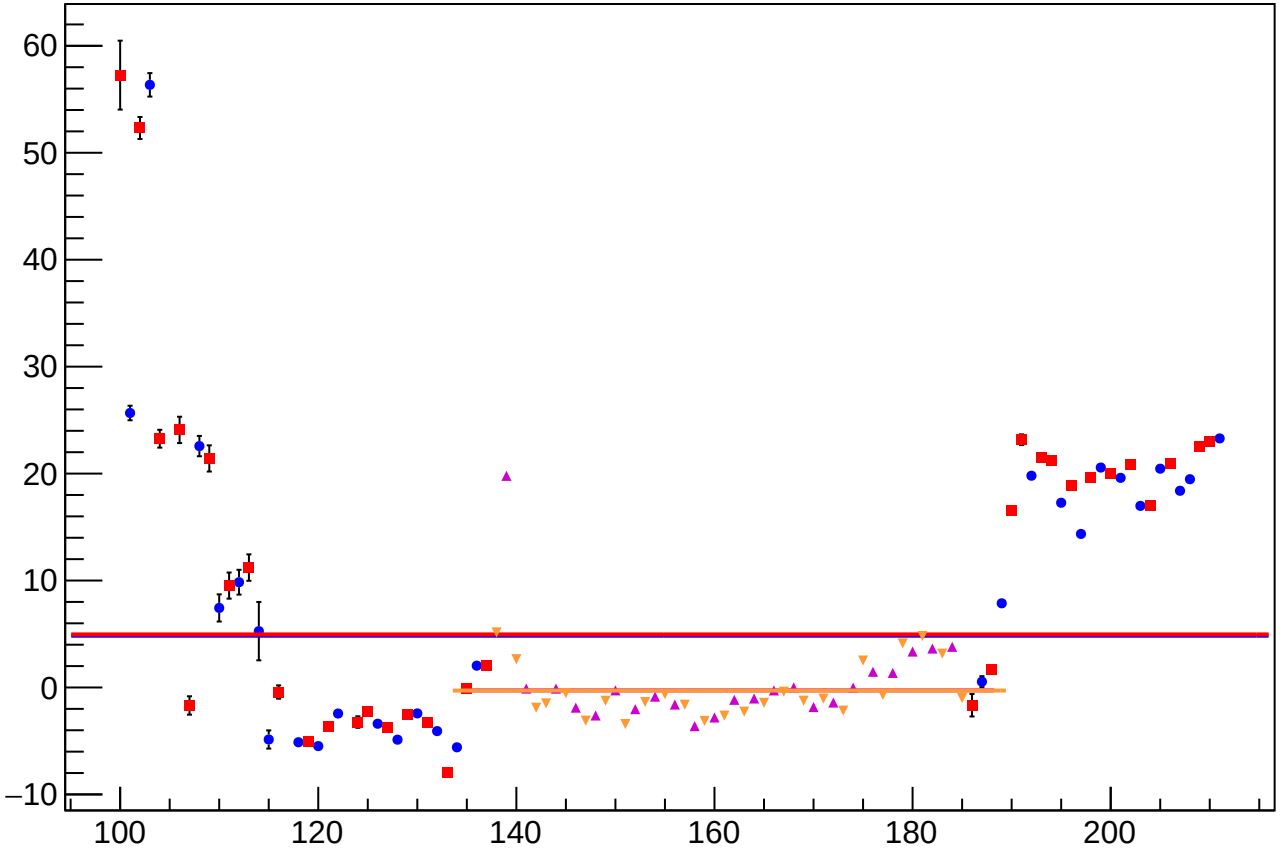
Right: 0.006+/-0.034 χ^2/NDF: 7346.9/60

In: -2.315+/-0.025 χ^2/NDF:27001.9/50

Out: -2.297+/-0.024 χ^2/NDF:34133.4/57

All: -2.306+/-0.017 χ^2/NDF: 61135.6/108

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.841+/-0.056 χ^2/NDF: 39993.5/27

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 4.962+/-0.053 χ^2/NDF: 49758.4/32

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

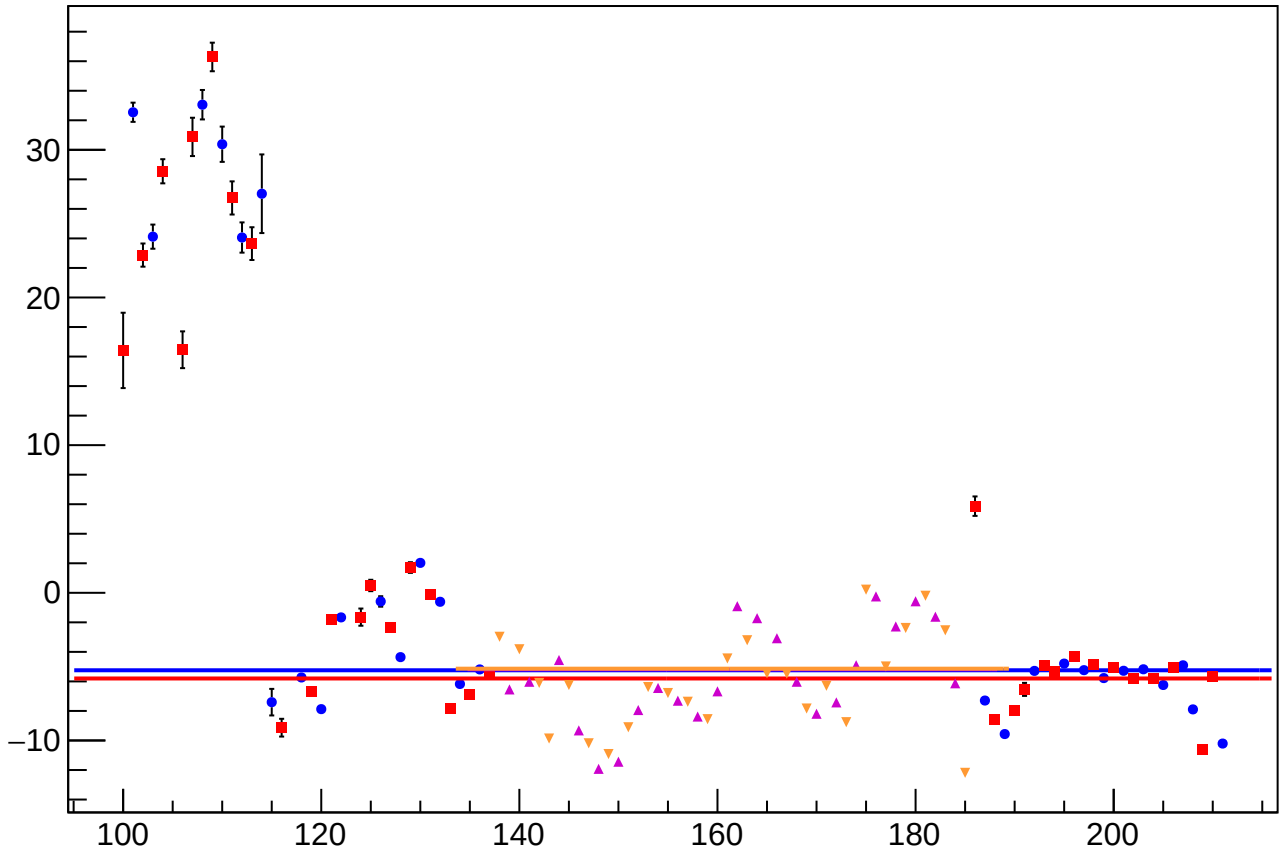
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 4.904+/-0.039 χ^2/NDF: 89754.4/60

In: 0.436+/-0.021 χ^2/NDF:60490.4/50

Out: 0.462+/-0.020 χ^2/NDF:70235.2/57

All: 0.450+/-0.014 χ^2/NDF: 130726.5/108



Right In: -5.245+/-0.050 χ^2/NDF: 10702.3/27

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.802+/-0.046 χ^2/NDF: 11502.5/32

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

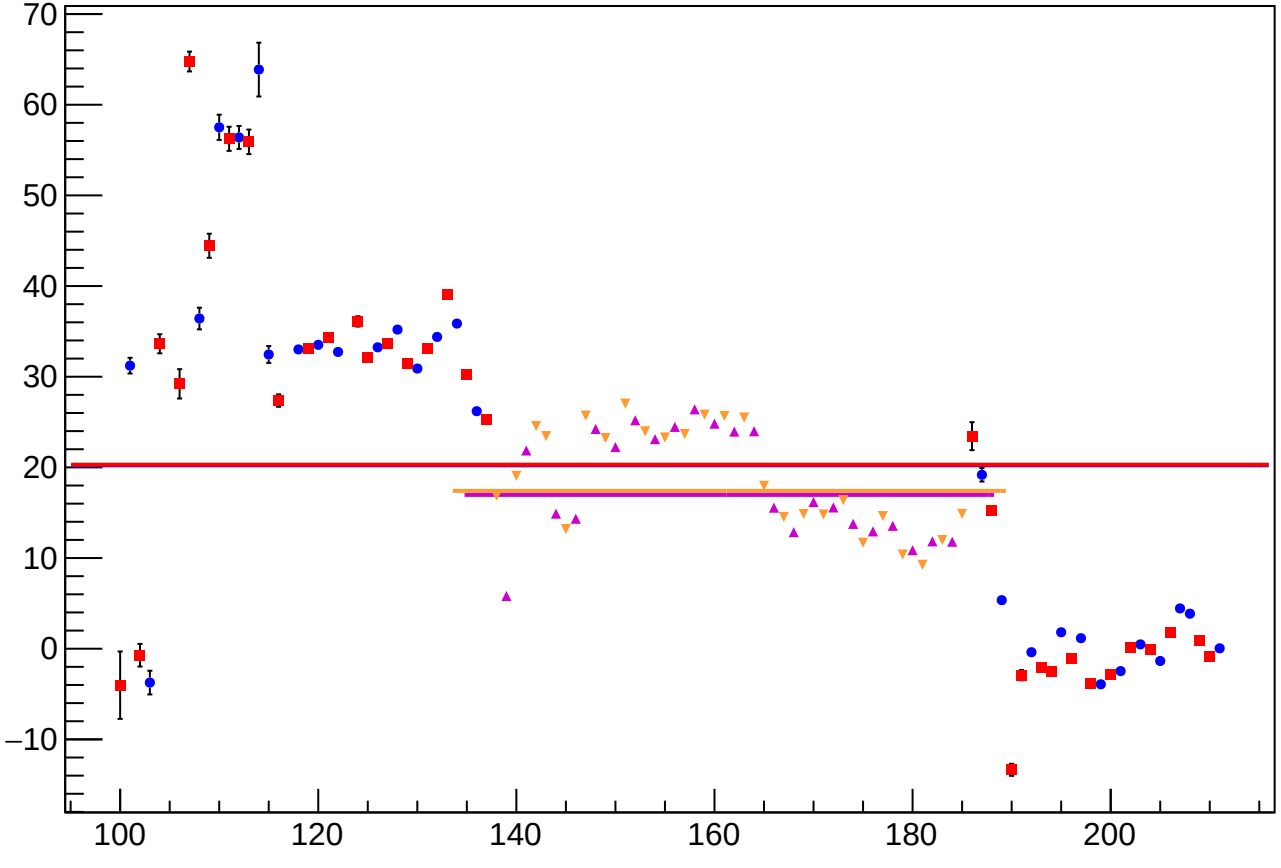
Right: -5.544+/-0.034 χ^2/NDF: 22272.0/60

In: -5.194+/-0.025 χ^2/NDF:24667.4/50

Out: -5.314+/-0.024 χ^2/NDF:26280.2/57

All: -5.256+/-0.017 χ^2/NDF: 50959.8/108

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.229+/-0.064 χ^2/NDF: 59574.9/27

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 20.297+/-0.062 χ^2/NDF: 74625.0/32

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

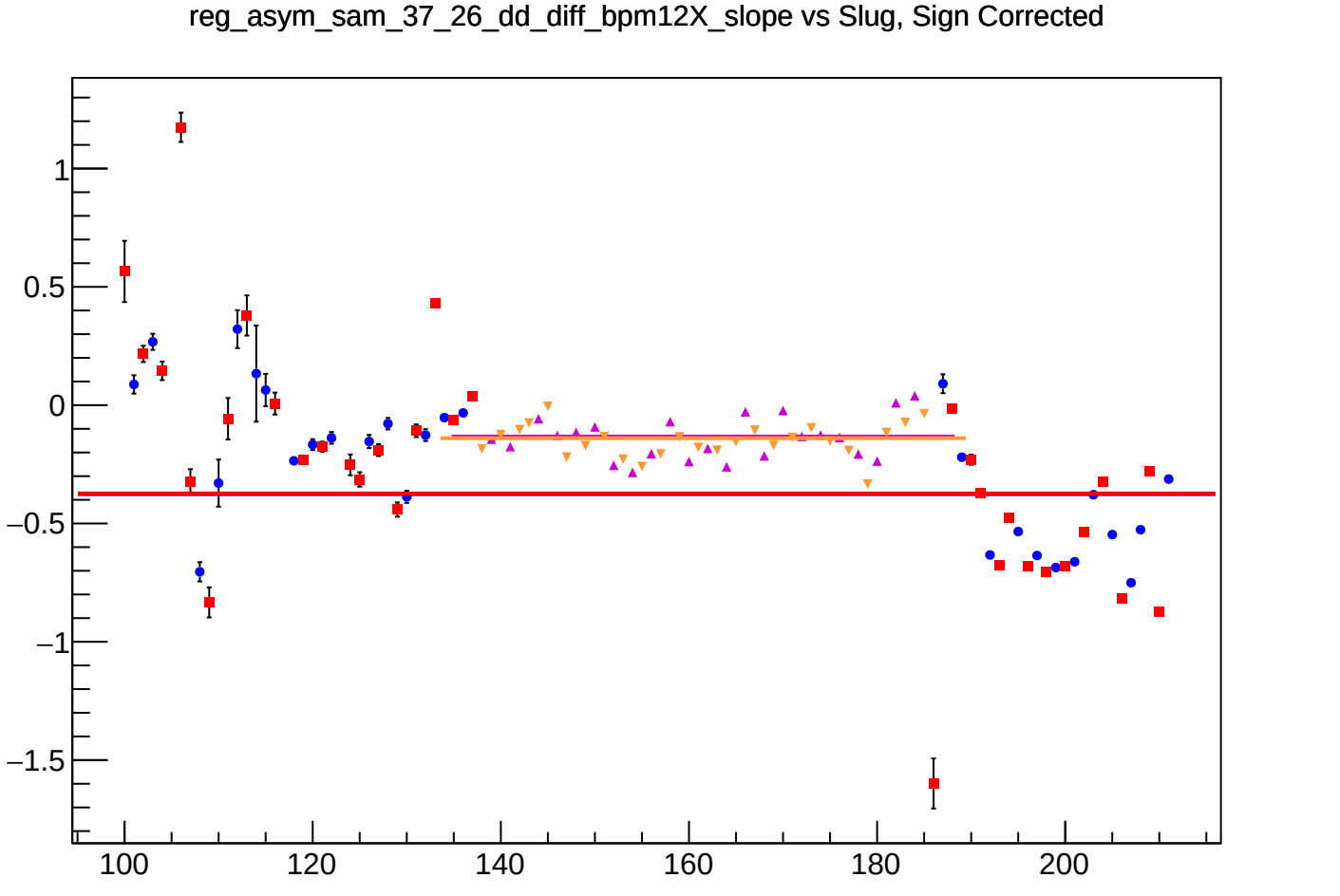
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 20.263+/-0.045 χ^2/NDF: 134200.5/60

In: 17.401+/-0.023 χ^2/NDF:101776.1/50

Out: 17.794+/-0.023 χ^2/NDF:127116.1/57

All: 17.602+/-0.016 χ^2/NDF: 229037.9/108



Right In: -0.376+/-0.003 χ^2/NDF: 8397.2/27

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.373+/-0.003 χ^2/NDF: 13593.7/32

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

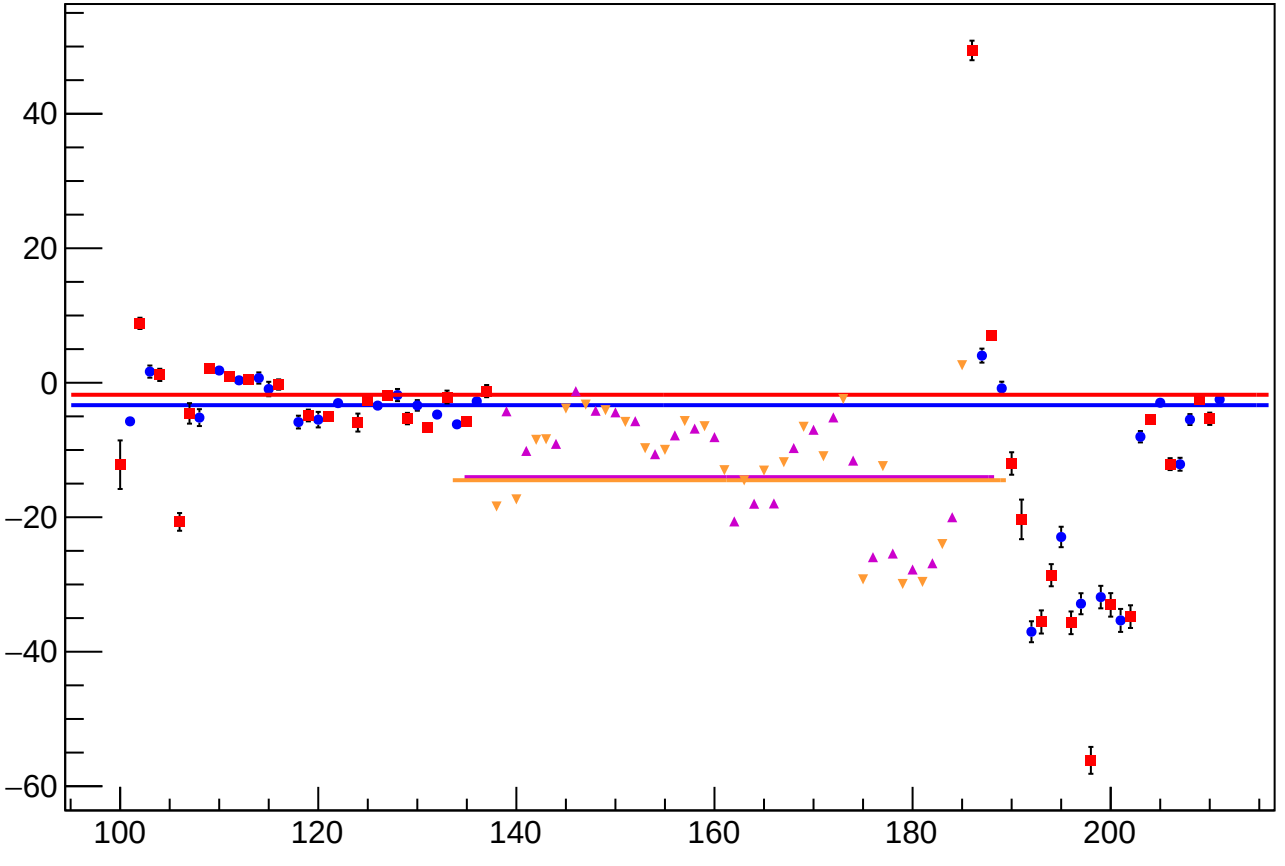
Right: -0.374+/-0.002 χ^2/NDF: 21991.5/60

In: -0.163+/-0.001 χ^2/NDF:19976.6/50

Out: -0.170+/-0.001 χ^2/NDF:23593.3/57

All: -0.166+/-0.001 χ^2/NDF: 43590.4/108

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.334+/-0.138 χ^2/NDF: 2208.0/27

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.788+/-0.131 χ^2/NDF: 5049.5/32

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

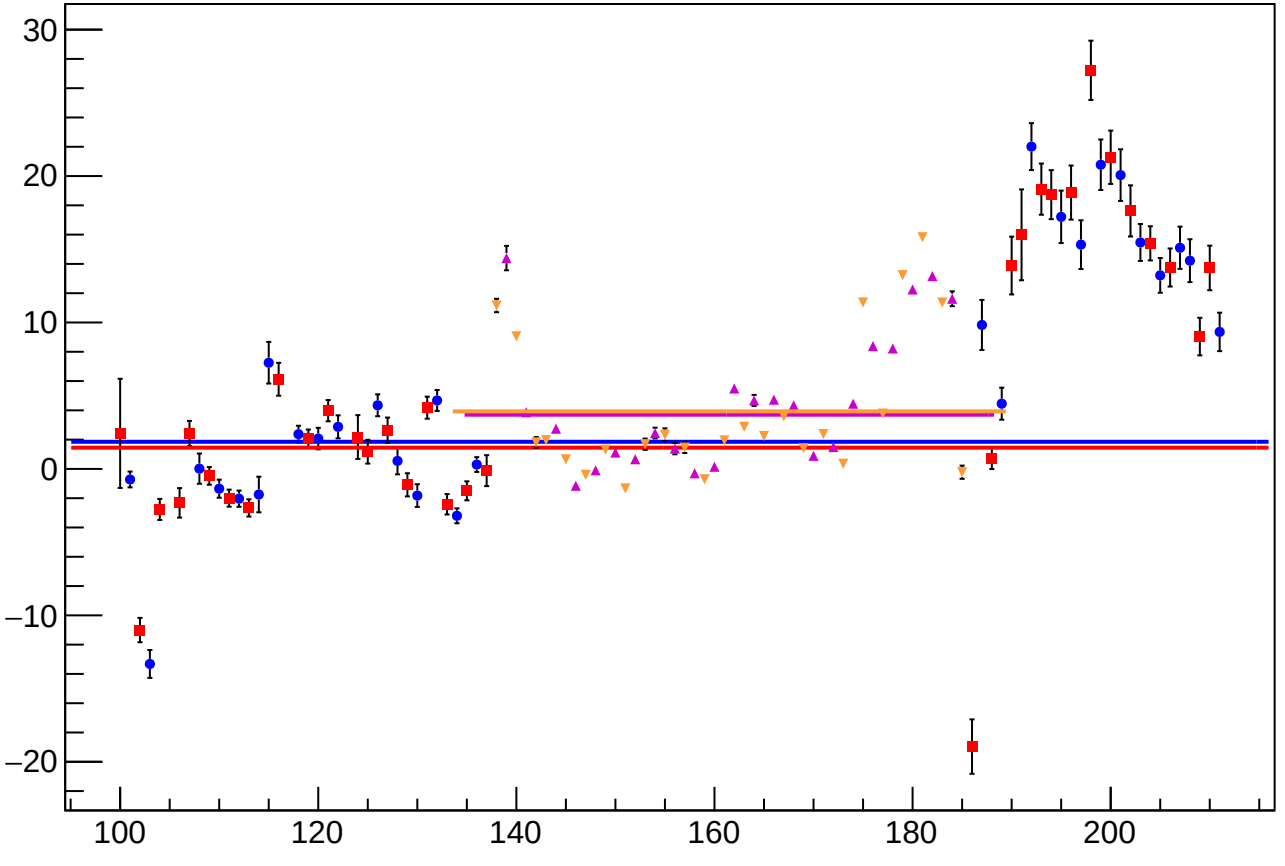
Right: -2.519+/-0.095 χ^2/NDF: 7323.6/60

In: -11.508+/-0.067 χ^2/NDF:20280.4/50

Out: -11.365+/-0.065 χ^2/NDF:29394.4/57

All: -11.434+/-0.047 χ^2/NDF: 49677.1/108

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.854+/-0.160 χ^2/NDF: 1488.6/27

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.451+/-0.161 χ^2/NDF: 1658.0/32

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

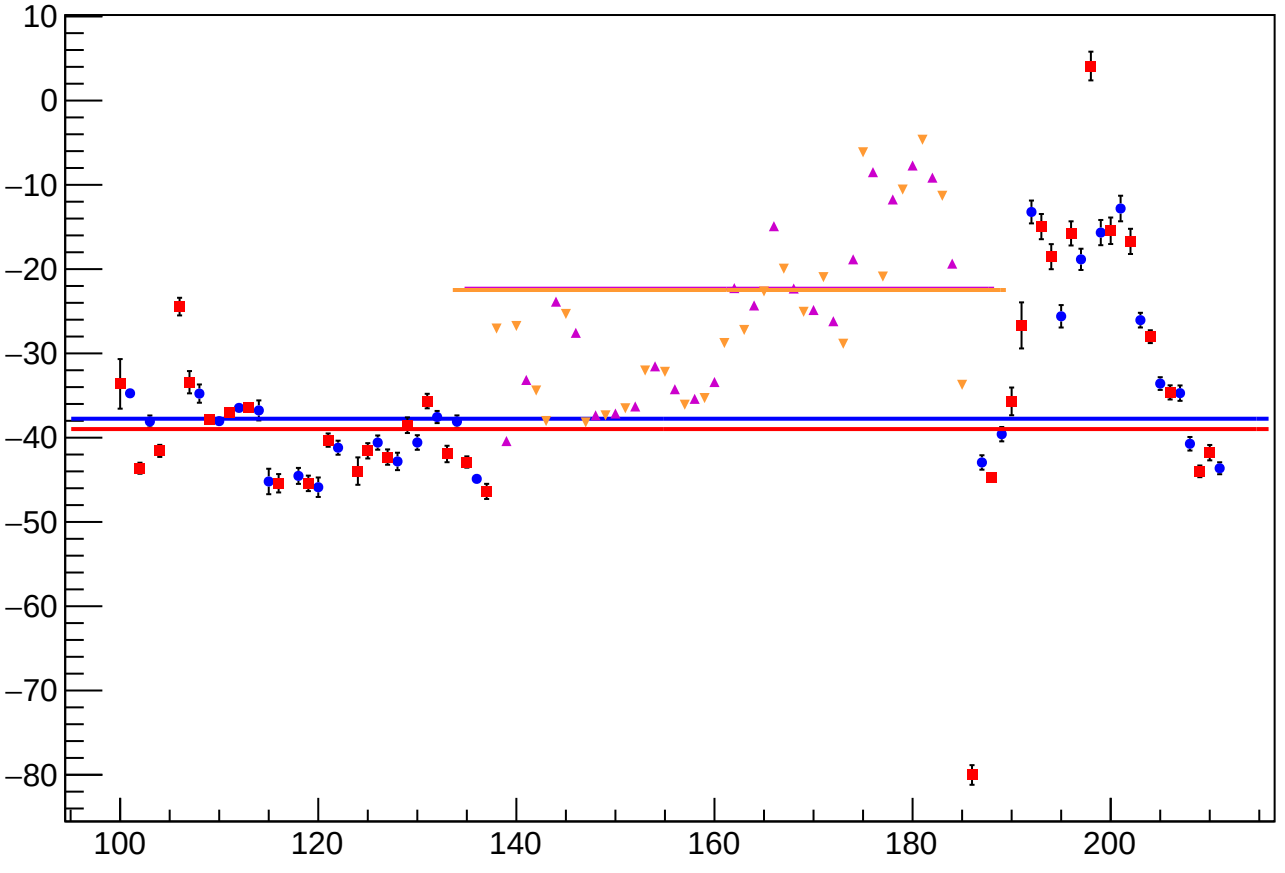
Right: 1.654+/-0.113 χ^2/NDF: 3149.8/60

In: 3.479+/-0.056 χ^2/NDF:6394.9/50

Out: 3.648+/-0.055 χ^2/NDF:8847.0/57

All: 3.566+/-0.039 χ^2/NDF: 15246.6/108

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.751+/-0.151 χ^2/NDF: 1971.4/27

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.979+/-0.147 χ^2/NDF: 4100.0/32

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

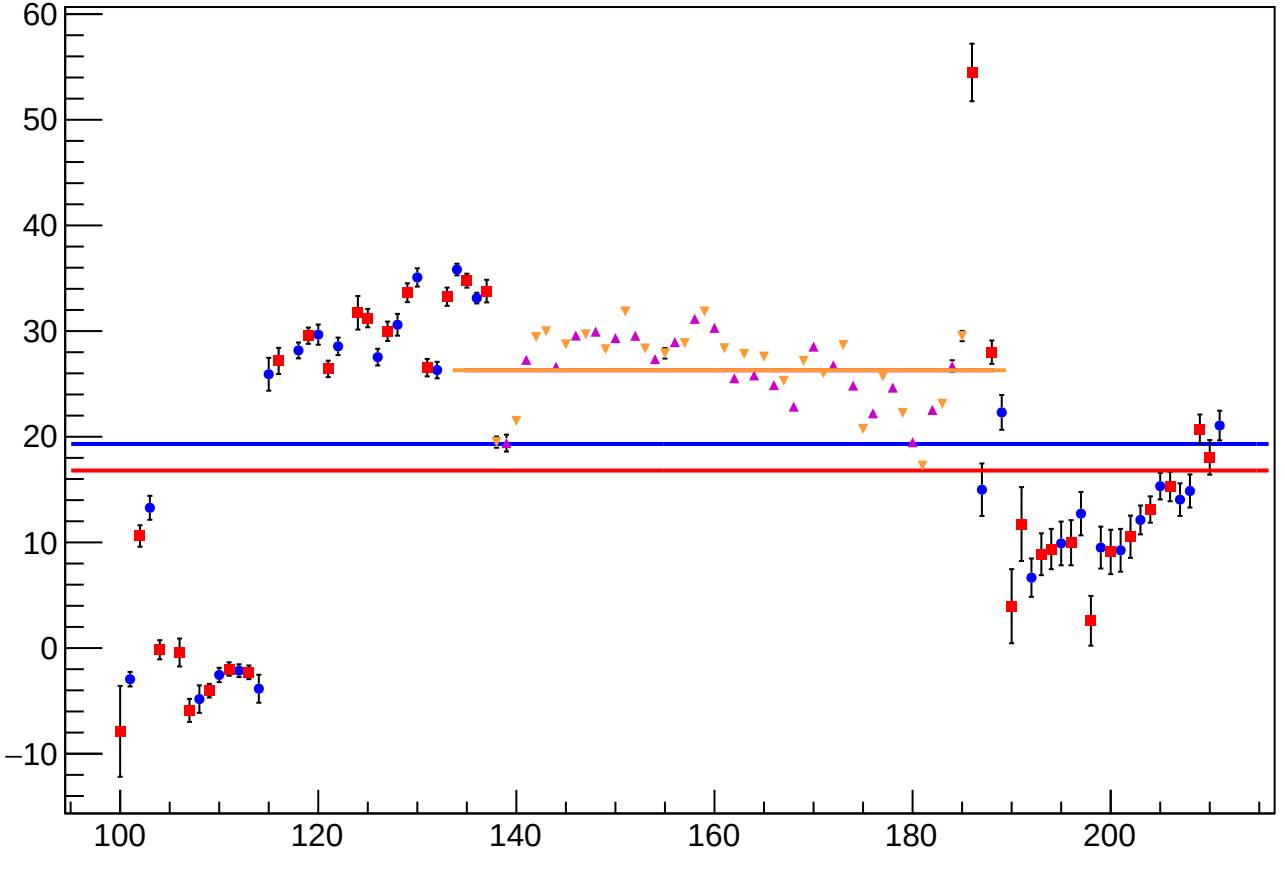
Right: -38.381+/-0.105 χ^2/NDF: 6105.3/60

In: -25.484+/-0.068 χ^2/NDF:27425.0/50

Out: -25.866+/-0.067 χ^2/NDF:34515.4/57

All: -25.680+/-0.048 χ^2/NDF: 61956.4/108

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.318+/-0.181 χ^2/NDF: 6896.6/27

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.803+/-0.184 χ^2/NDF: 7167.9/32

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

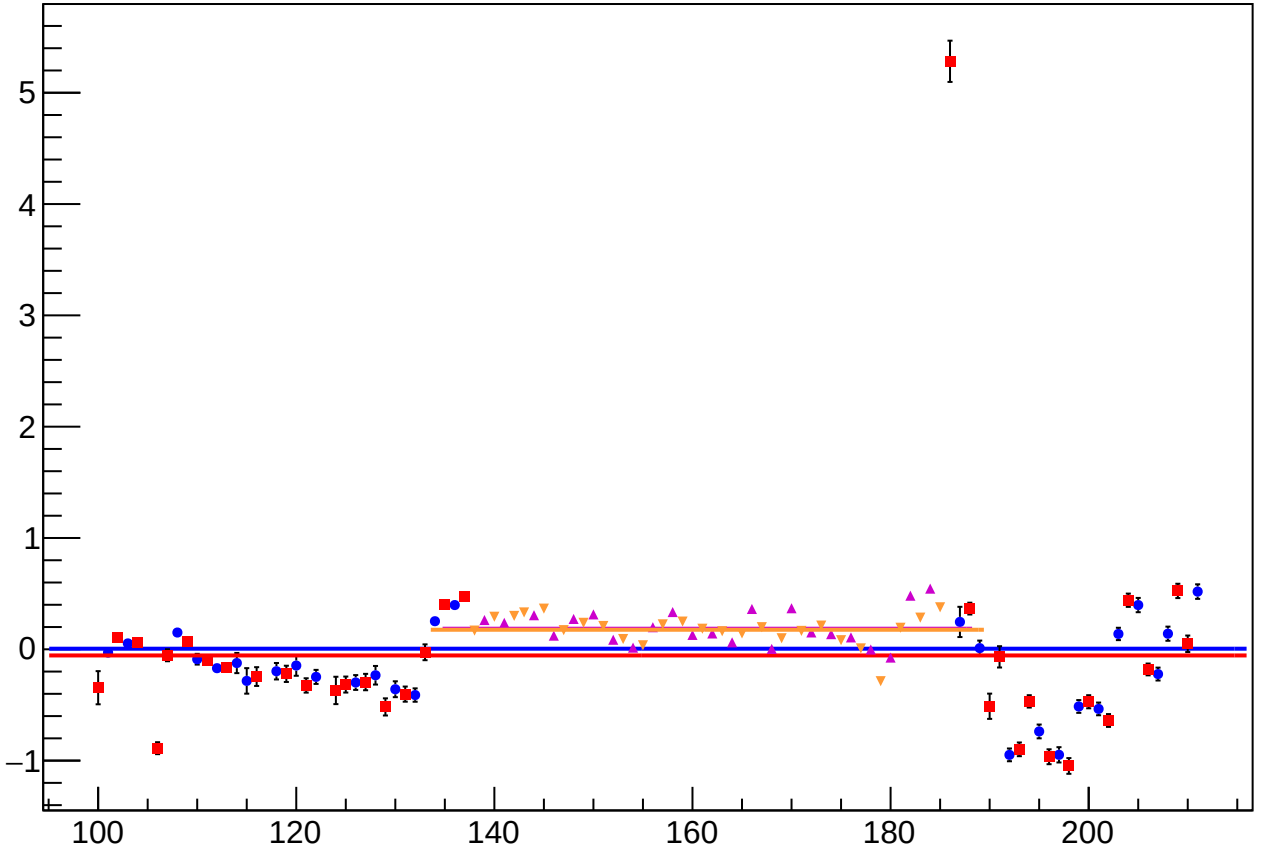
Right: 18.082+/-0.129 χ^2/NDF: 14159.9/60

In: 25.456+/-0.063 χ^2/NDF:10395.8/50

Out: 25.236+/-0.061 χ^2/NDF:12849.7/57

All: 25.344+/-0.044 χ^2/NDF: 23251.8/108

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 1539.9/27

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.055+/-0.009 χ^2/NDF: 2714.7/32

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

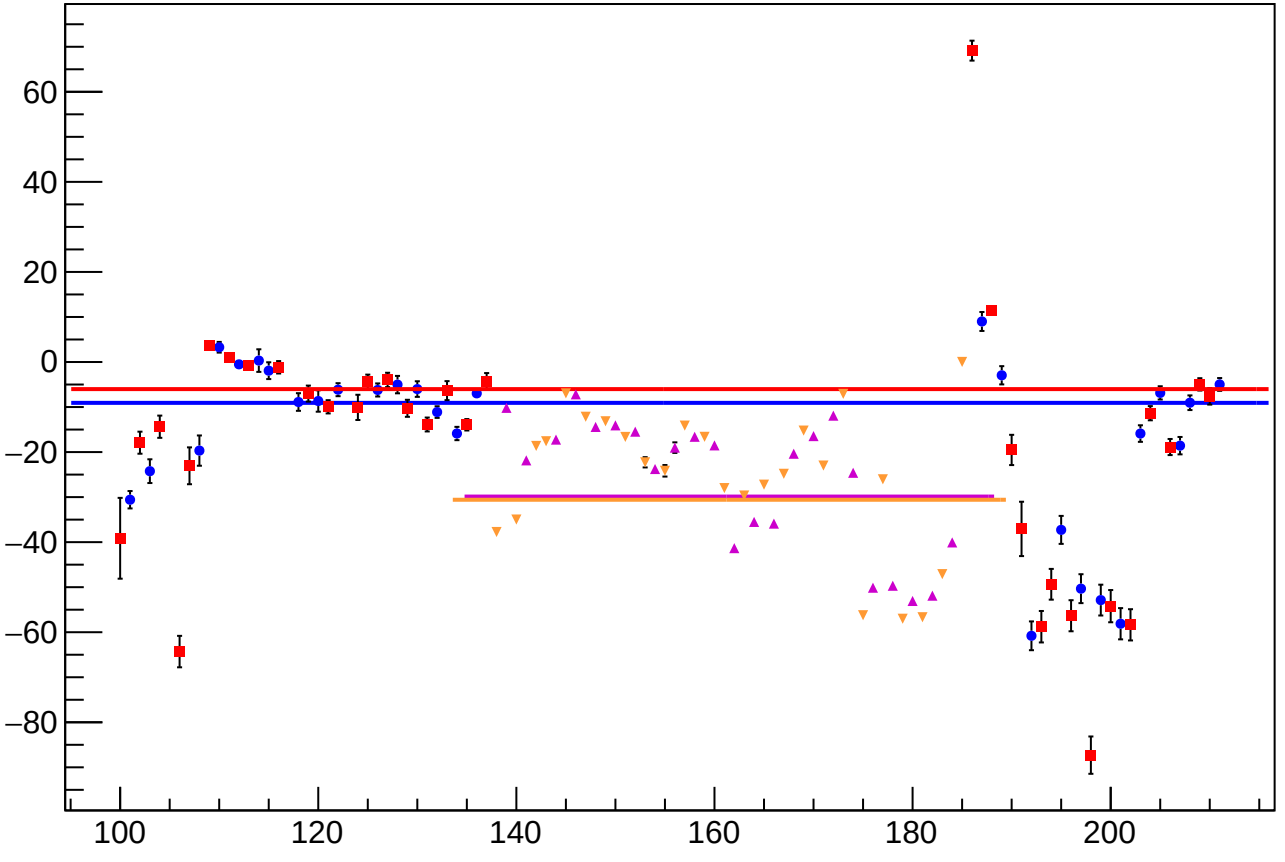
Right: -0.024+/-0.006 χ^2/NDF: 4276.2/60

In: 0.167+/-0.003 χ^2/NDF:4434.6/50

Out: 0.155+/-0.003 χ^2/NDF:5207.3/57

All: 0.161+/-0.002 χ^2/NDF: 9651.6/108

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.070+/-0.317 χ^2/NDF: 1429.4/27

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.017+/-0.309 χ^2/NDF: 3507.3/32

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

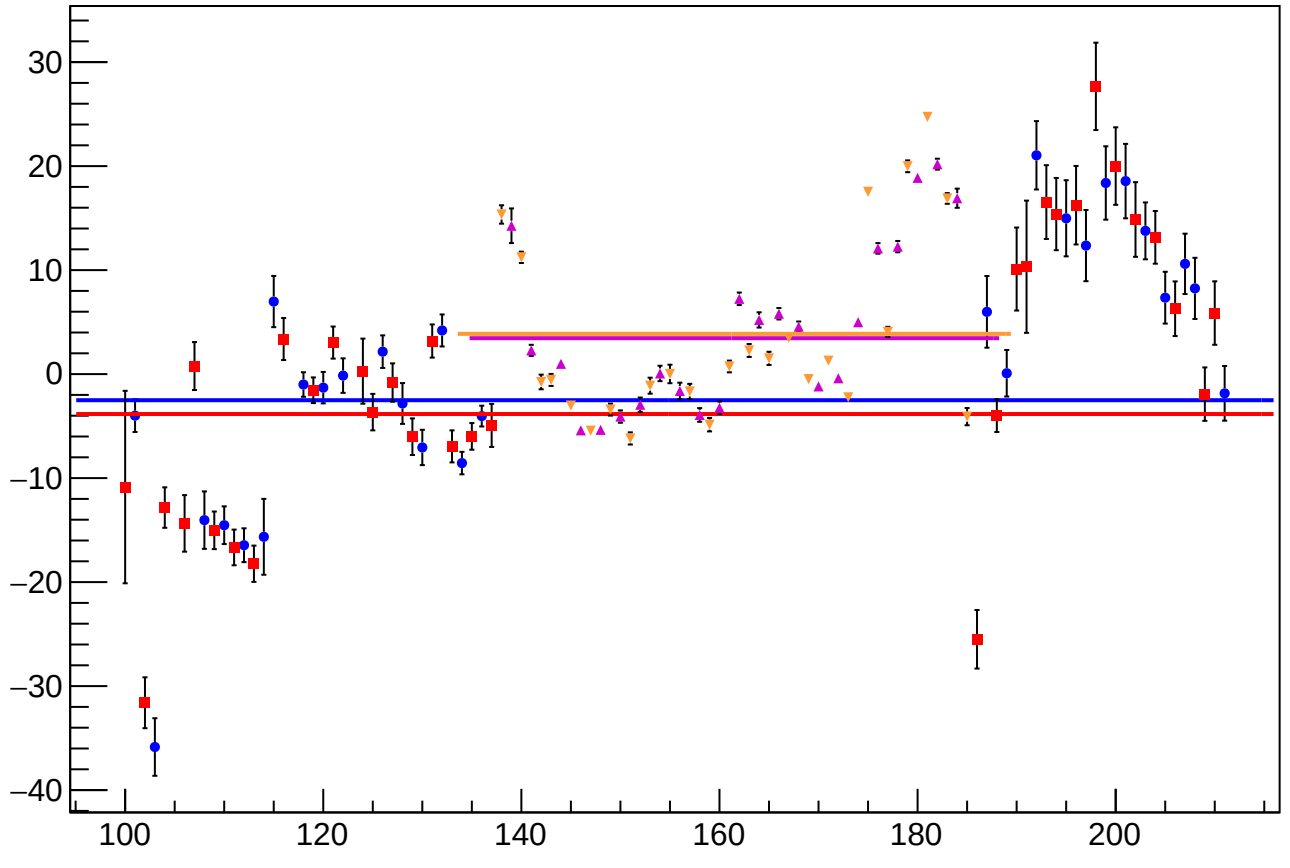
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.501+/-0.221 χ^2/NDF: 4984.2/60

In: -26.236+/-0.133 χ^2/NDF:17008.3/50

Out: -26.292+/-0.129 χ^2/NDF:24778.0/57

All: -26.265+/-0.093 χ^2/NDF: 41786.4/108



Right In: -2.509+/-0.359 χ^2/NDF: 636.6/27

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.838+/-0.368 χ^2/NDF: 763.6/32

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

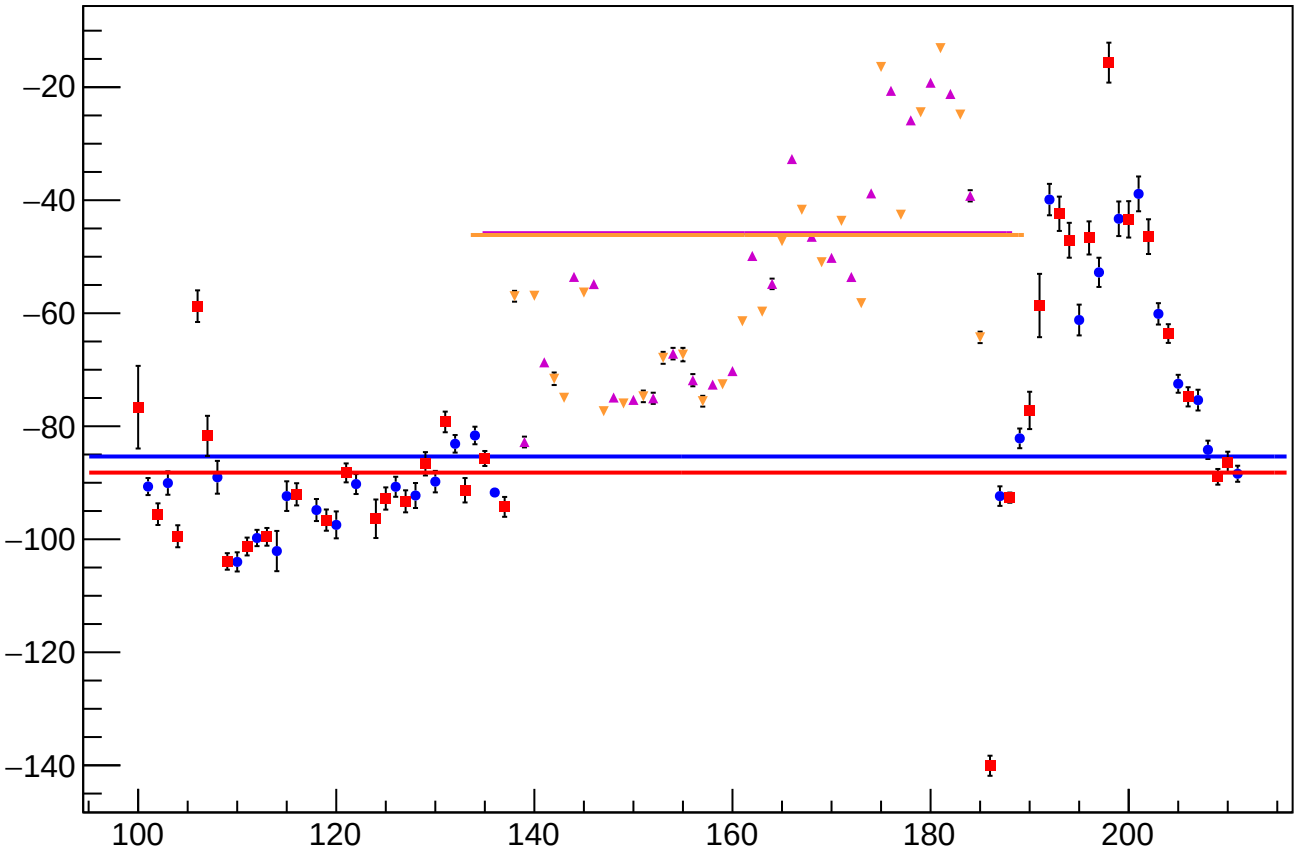
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -3.157+/-0.257 χ^2/NDF: 1406.9/60

In: 2.909+/-0.108 χ^2/NDF:5581.3/50

Out: 3.228+/-0.106 χ^2/NDF:7707.8/57

All: 3.072+/-0.076 χ^2/NDF: 13293.5/108



Right In: -85.352+/-0.339 χ^2/NDF: 1632.1/27

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.203+/-0.333 χ^2/NDF: 3090.8/32

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

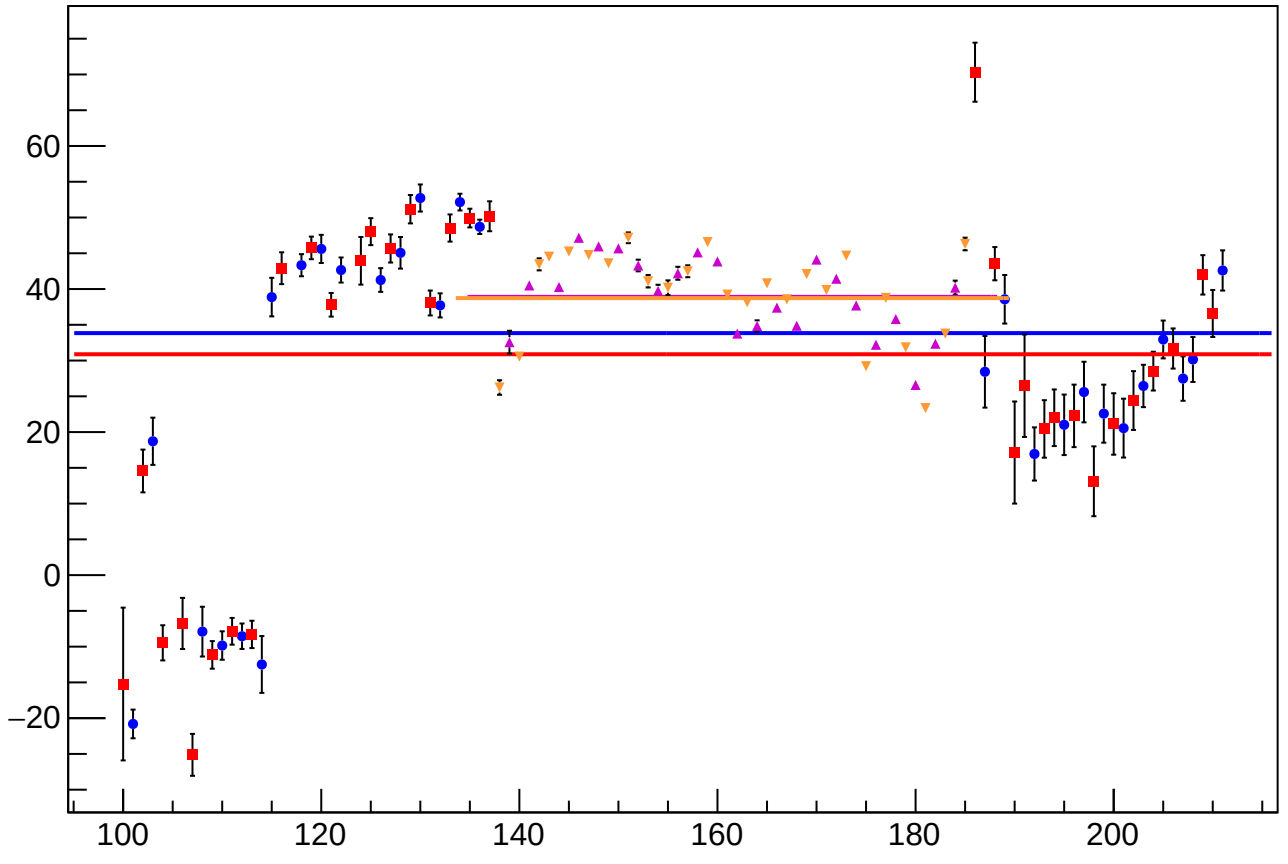
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.802+/-0.238 χ^2/NDF: 4758.9/60

In: -52.017+/-0.134 χ^2/NDF:31018.8/50

Out: -52.645+/-0.131 χ^2/NDF:38006.7/57

All: -52.338+/-0.094 χ^2/NDF: 69036.7/108



Right In: 33.837+/-0.404 χ^2/NDF: 2889.6/27

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.880+/-0.419 χ^2/NDF: 3094.5/32

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

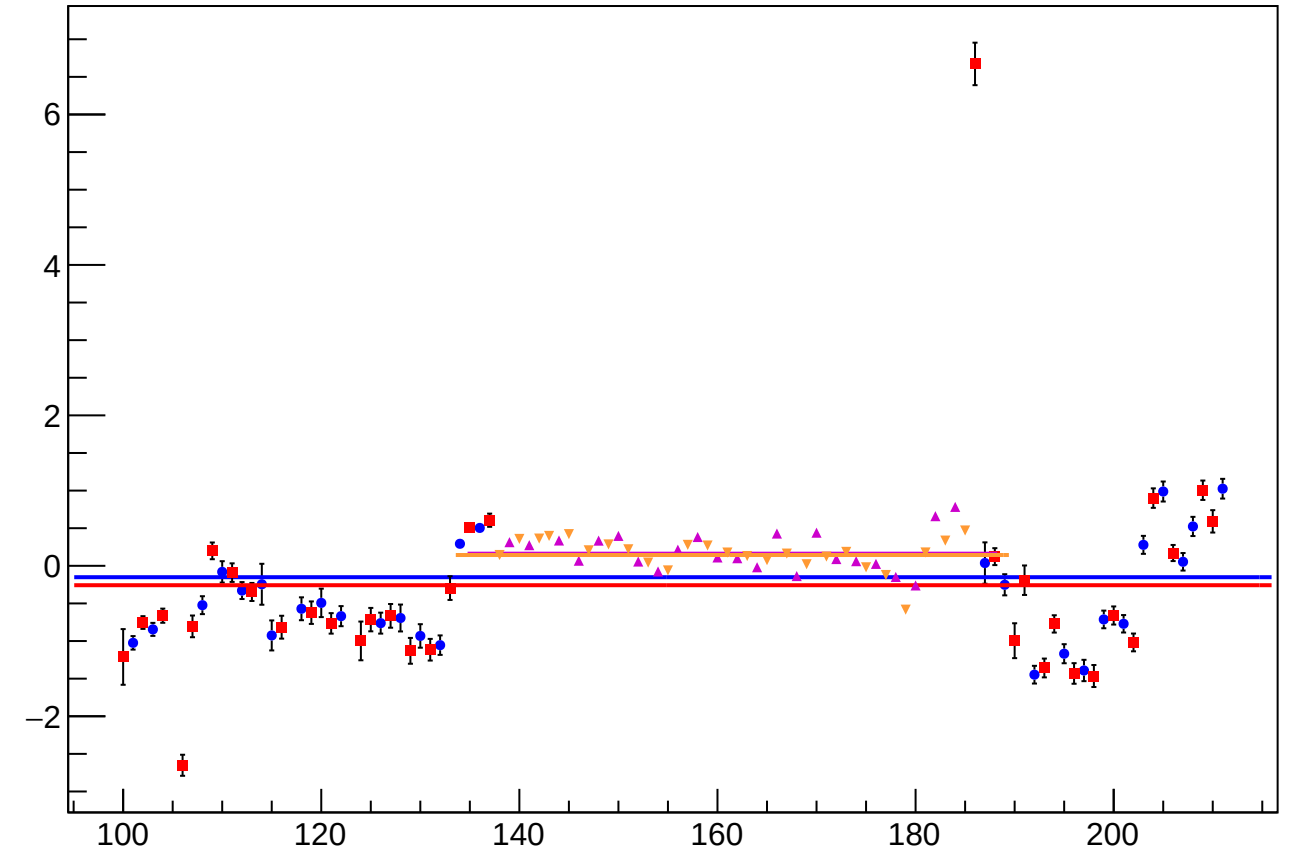
Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

Right: 32.416+/-0.291 χ^2/NDF: 6009.9/60

In: 38.445+/-0.122 χ^2/NDF:5004.6/50

Out: 38.094+/-0.119 χ^2/NDF:6198.2/57

All: 38.267+/-0.085 χ^2/NDF: 11207.1/108



Right In: -0.151+/-0.020 χ^2/NDF: 1148.4/27

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.258+/-0.021 χ^2/NDF: 1962.0/32

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

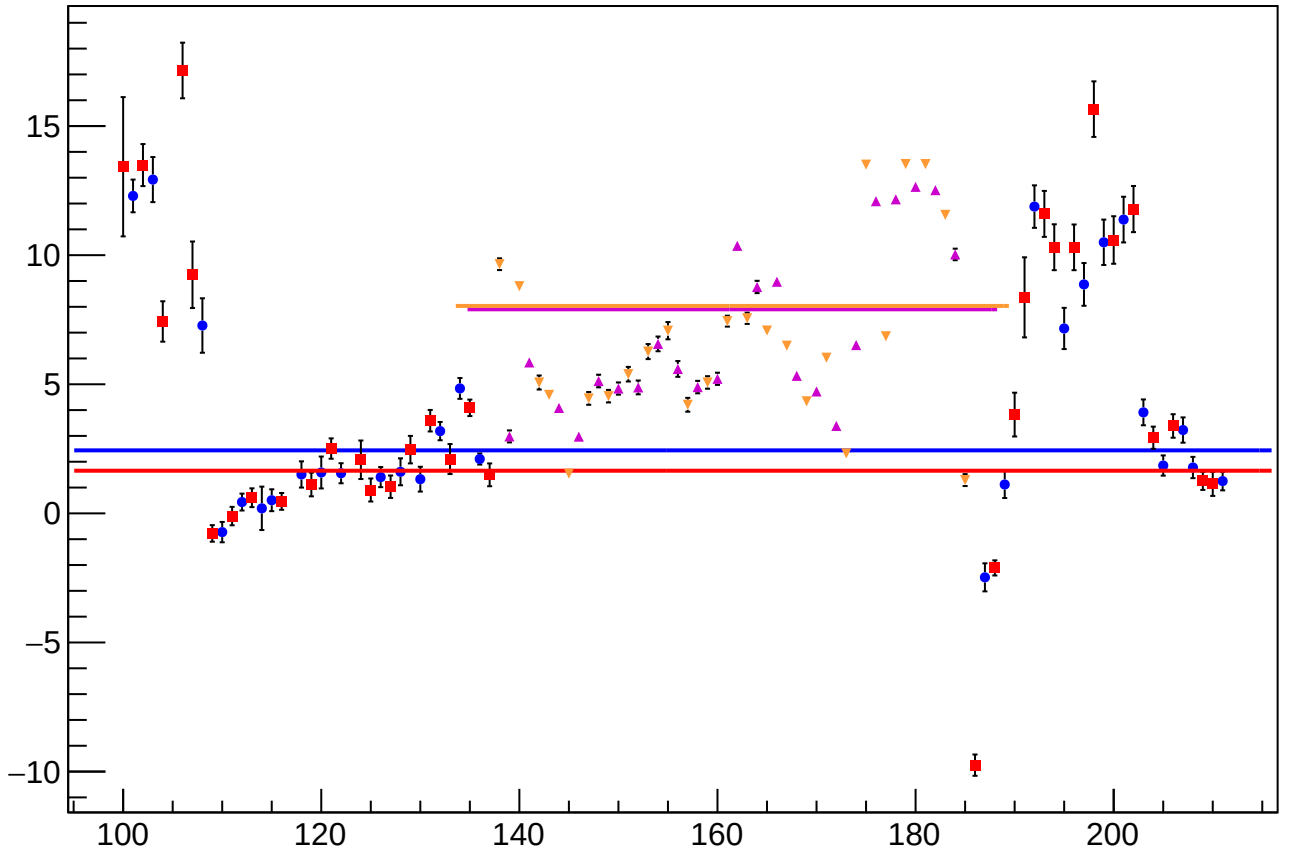
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.202+/-0.015 χ^2/NDF: 3123.5/60

In: 0.138+/-0.005 χ^2/NDF:3288.9/50

Out: 0.118+/-0.005 χ^2/NDF:3738.1/57

All: 0.128+/-0.004 χ^2/NDF: 7034.1/108



Right In: 2.440+/-0.087 χ^2/NDF: 1133.8/27

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.652+/-0.085 χ^2/NDF: 2411.8/32

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

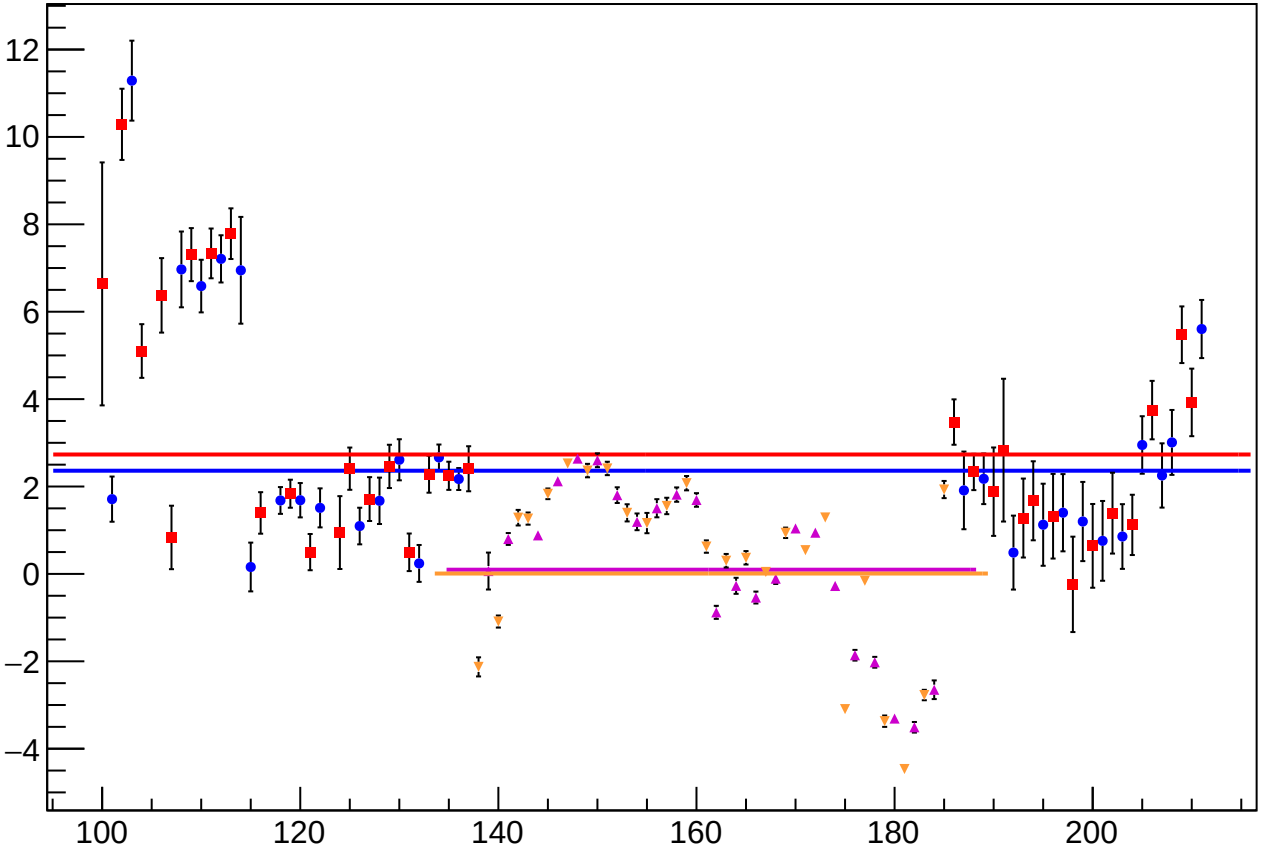
Right: 2.037+/-0.061 χ^2/NDF: 3587.9/60

In: 7.106+/-0.033 χ^2/NDF:14546.6/50

Out: 7.115+/-0.032 χ^2/NDF:21199.9/57

All: 7.111+/-0.023 χ^2/NDF: 35746.6/108

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.362+/-0.097 χ^2/NDF: 376.4/27

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.733+/-0.100 χ^2/NDF: 463.2/32

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

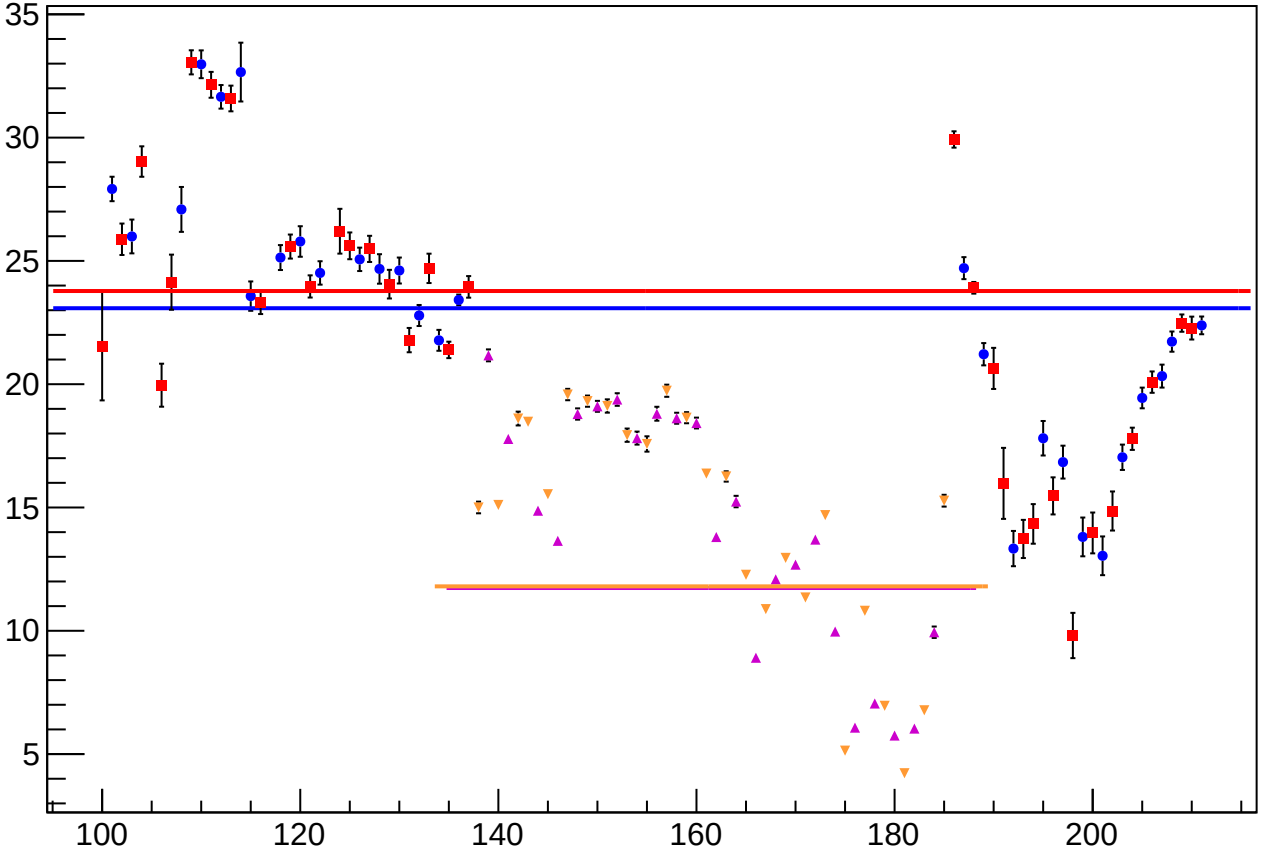
Right: 2.542+/-0.070 χ^2/NDF: 846.7/60

In: 0.271+/-0.027 χ^2/NDF:5310.4/50

Out: 0.201+/-0.027 χ^2/NDF:6916.4/57

All: 0.235+/-0.019 χ^2/NDF: 12230.2/108

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.081+/-0.091 χ^2/NDF: 1843.1/27

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.779+/-0.089 χ^2/NDF: 2646.5/32

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

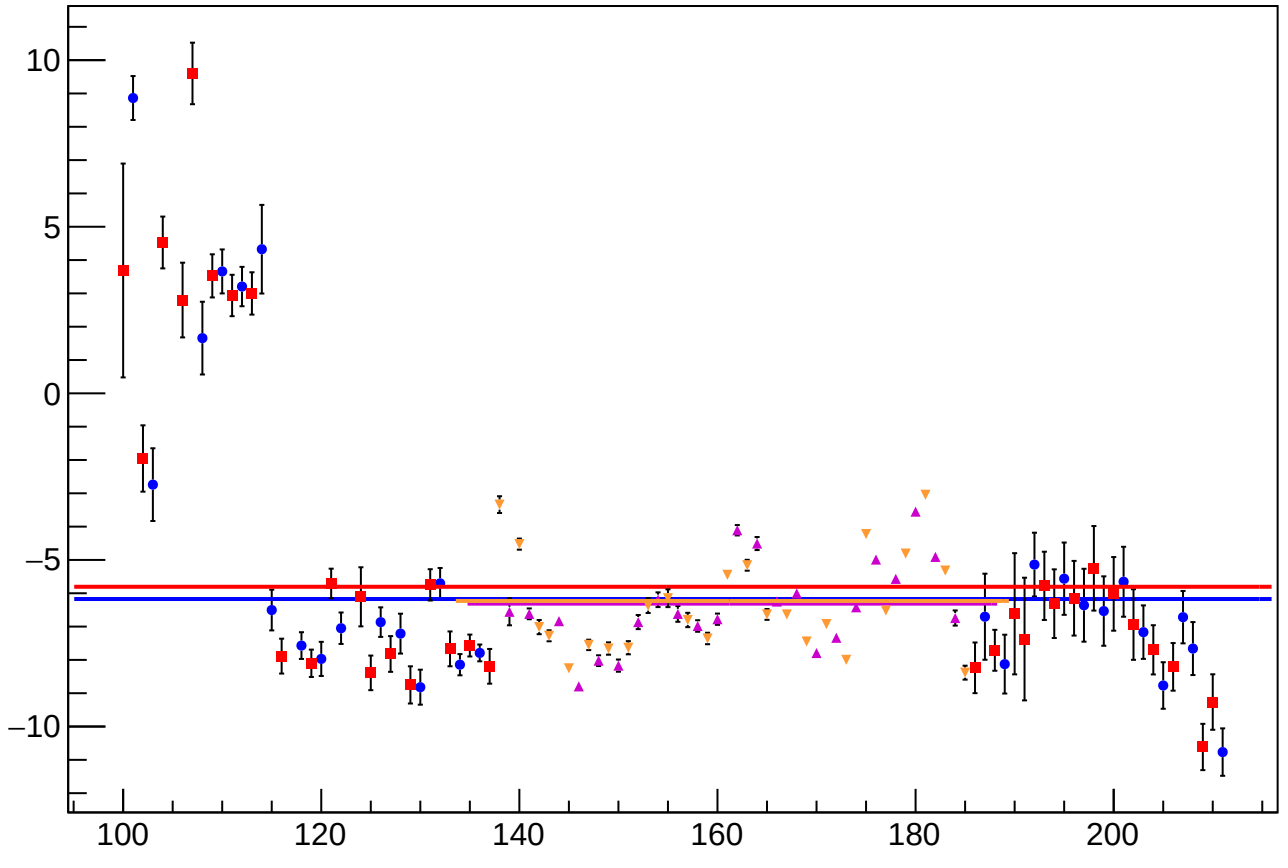
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.439+/-0.064 χ^2/NDF: 4519.5/60

In: 13.243+/-0.033 χ^2/NDF:33190.1/50

Out: 13.393+/-0.032 χ^2/NDF:39820.6/57

All: 13.320+/-0.023 χ^2/NDF: 73021.0/108



Right In: -6.173+/-0.109 χ^2/NDF: 1325.4/27

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.805+/-0.114 χ^2/NDF: 1417.7/32

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

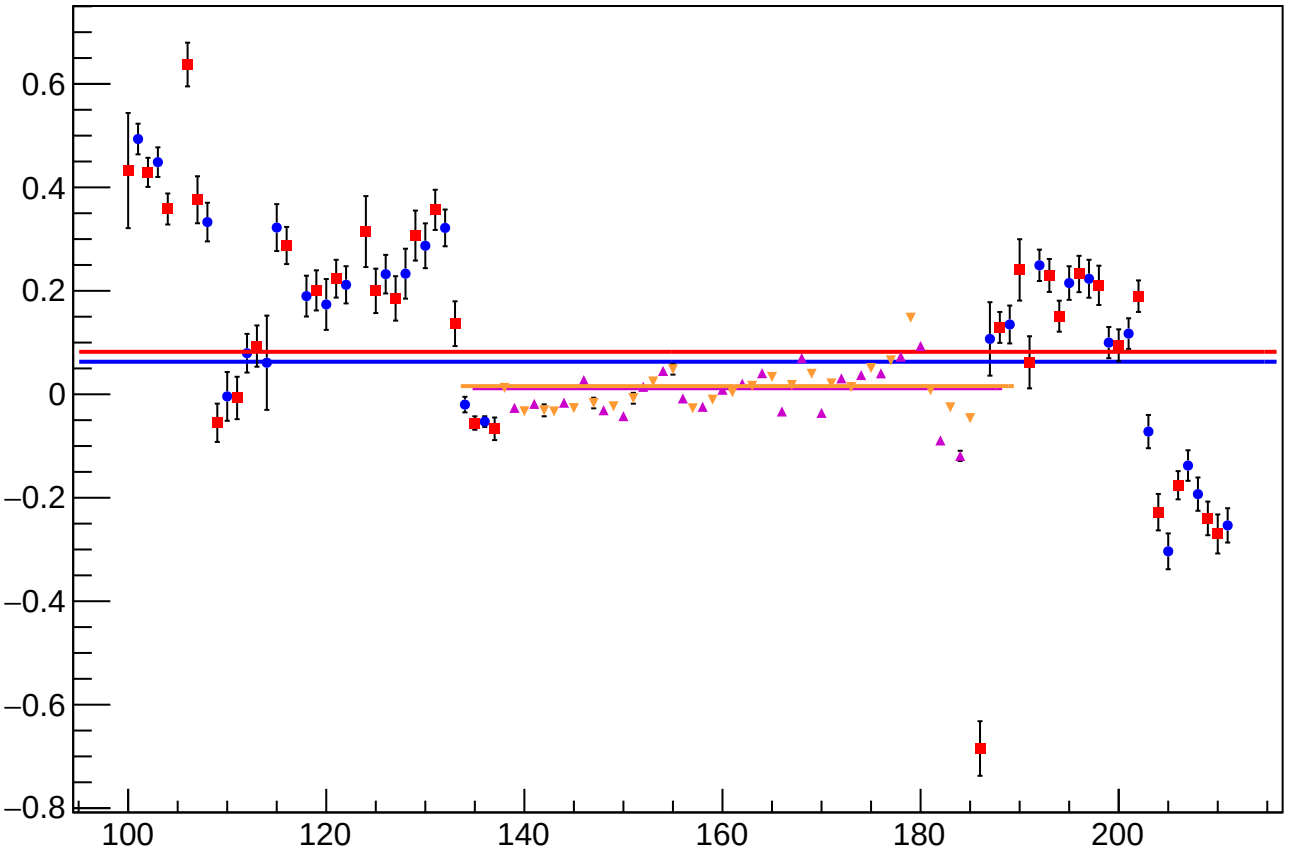
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.997+/-0.079 χ^2/NDF: 2748.5/60

In: -6.301+/-0.030 χ^2/NDF:3357.0/50

Out: -6.202+/-0.030 χ^2/NDF:3880.7/57

All: -6.250+/-0.021 χ^2/NDF: 7243.2/108



Right In: 0.063+/-0.005 χ^2/NDF: 1199.8/27

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.082+/-0.006 χ^2/NDF: 1436.6/32

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

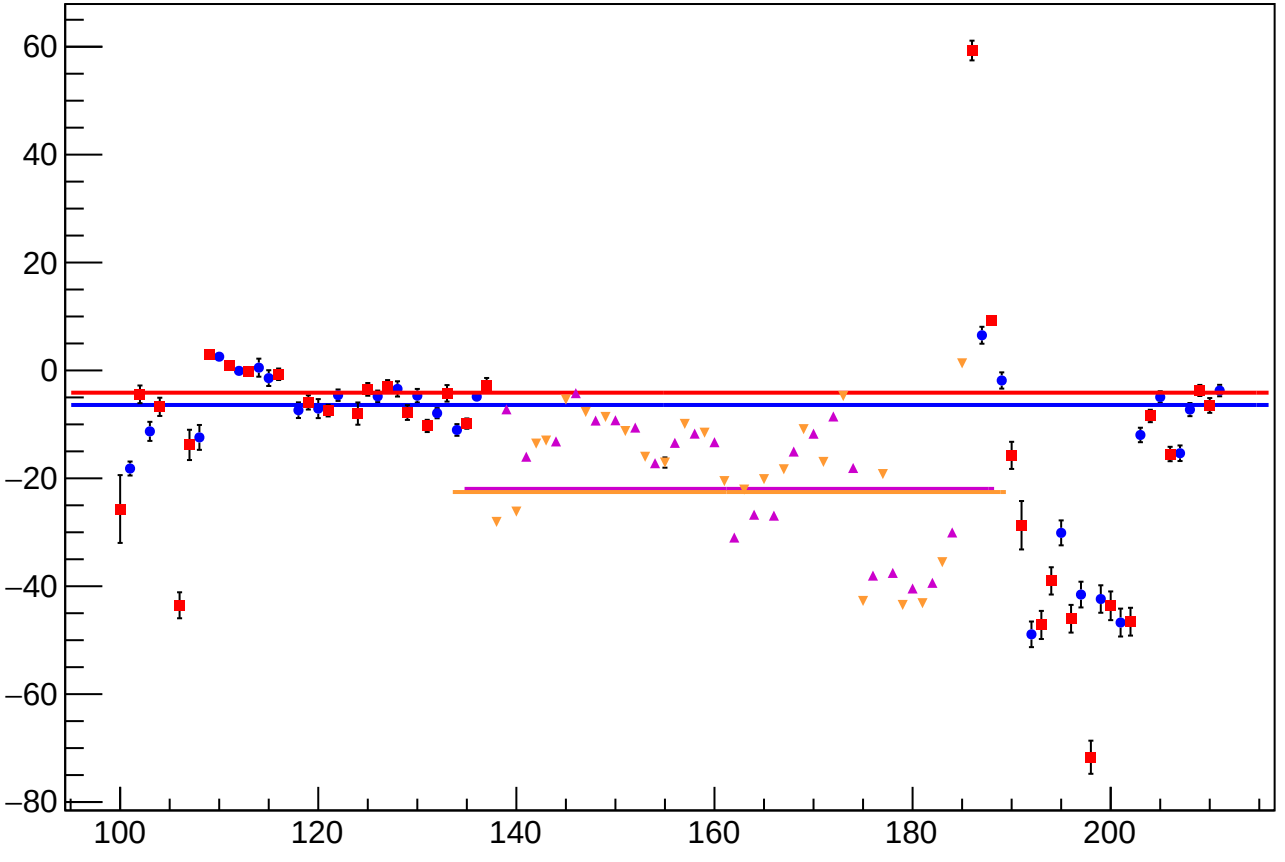
Right: 0.072+/-0.004 χ^2/NDF: 2642.3/60

In: 0.015+/-0.001 χ^2/NDF:2580.5/50

Out: 0.019+/-0.001 χ^2/NDF:2496.1/57

All: 0.017+/-0.001 χ^2/NDF: 5082.1/108

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.401+/-0.229 χ^2/NDF: 1609.3/27

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.124+/-0.222 χ^2/NDF: 3910.5/32

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

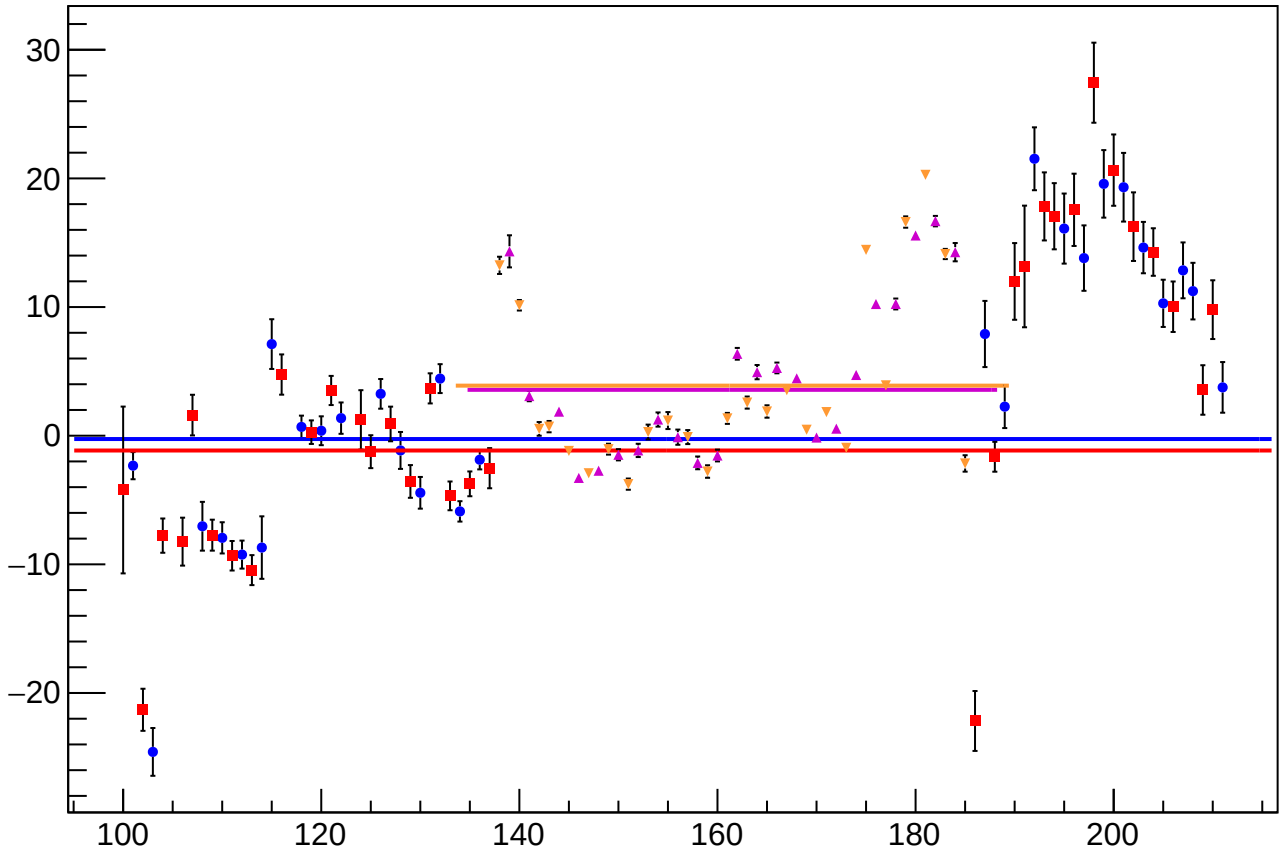
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.224+/-0.159 χ^2/NDF: 5570.8/60

In: -18.997+/-0.100 χ^2/NDF:17920.2/50

Out: -19.001+/-0.097 χ^2/NDF:26023.5/57

All: -18.999+/-0.070 χ^2/NDF: 43943.8/108



Right In: -0.259+/-0.261 χ^2/NDF: 845.7/27

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.151+/-0.266 χ^2/NDF: 990.4/32

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

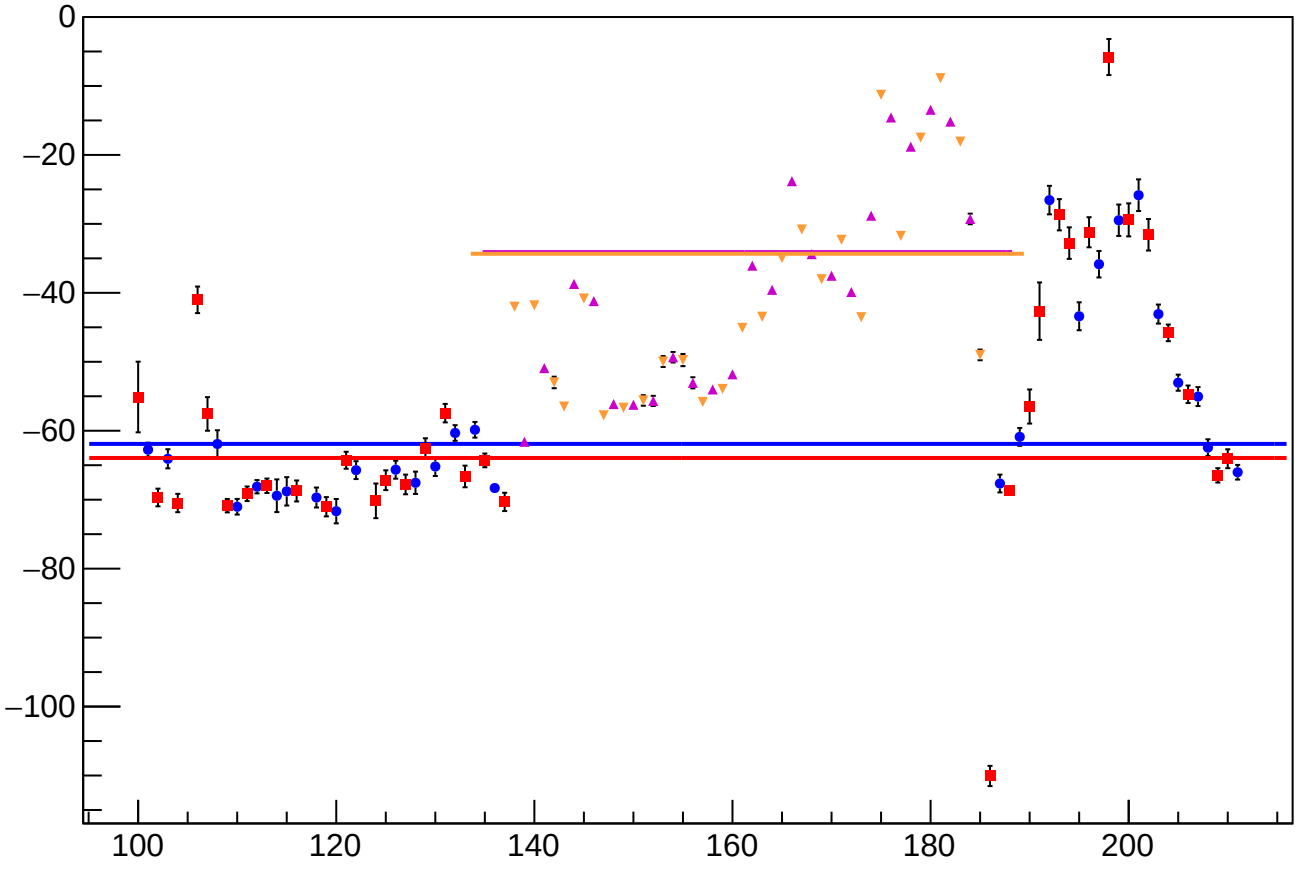
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.695+/-0.186 χ^2/NDF: 1841.8/60

In: 3.188+/-0.082 χ^2/NDF:5779.3/50

Out: 3.432+/-0.080 χ^2/NDF:8040.2/57

All: 3.313+/-0.057 χ^2/NDF: 13824.1/108



Right In: -61.907+/-0.246 χ^2/NDF: 1639.2/27

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.950+/-0.242 χ^2/NDF: 3306.9/32

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

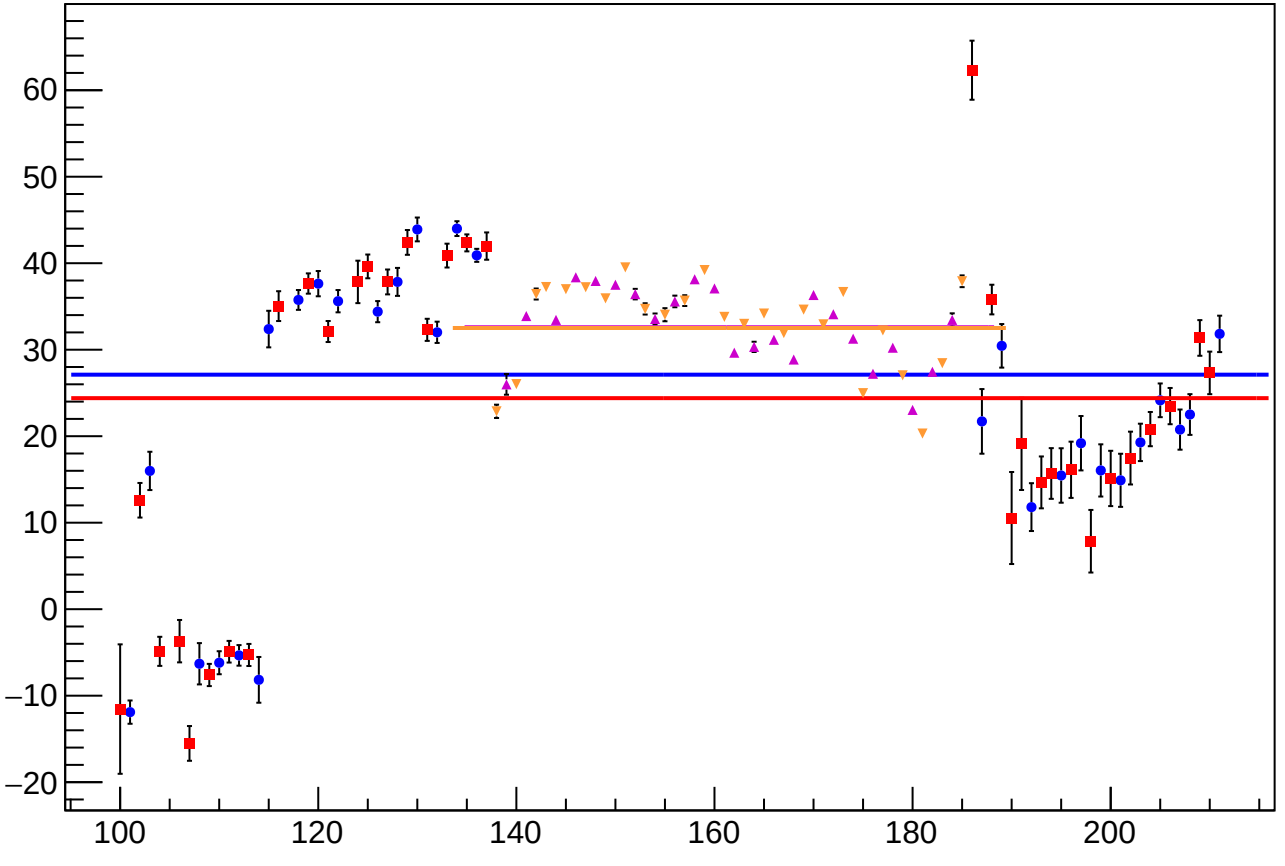
Right: -62.947+/-0.173 χ^2/NDF: 4981.1/60

In: -38.782+/-0.101 χ^2/NDF:29965.6/50

Out: -39.273+/-0.099 χ^2/NDF:36986.0/57

All: -39.033+/-0.071 χ^2/NDF: 66963.7/108

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.113+/-0.293 χ^2/NDF: 3853.1/27

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.399+/-0.303 χ^2/NDF: 4093.9/32

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

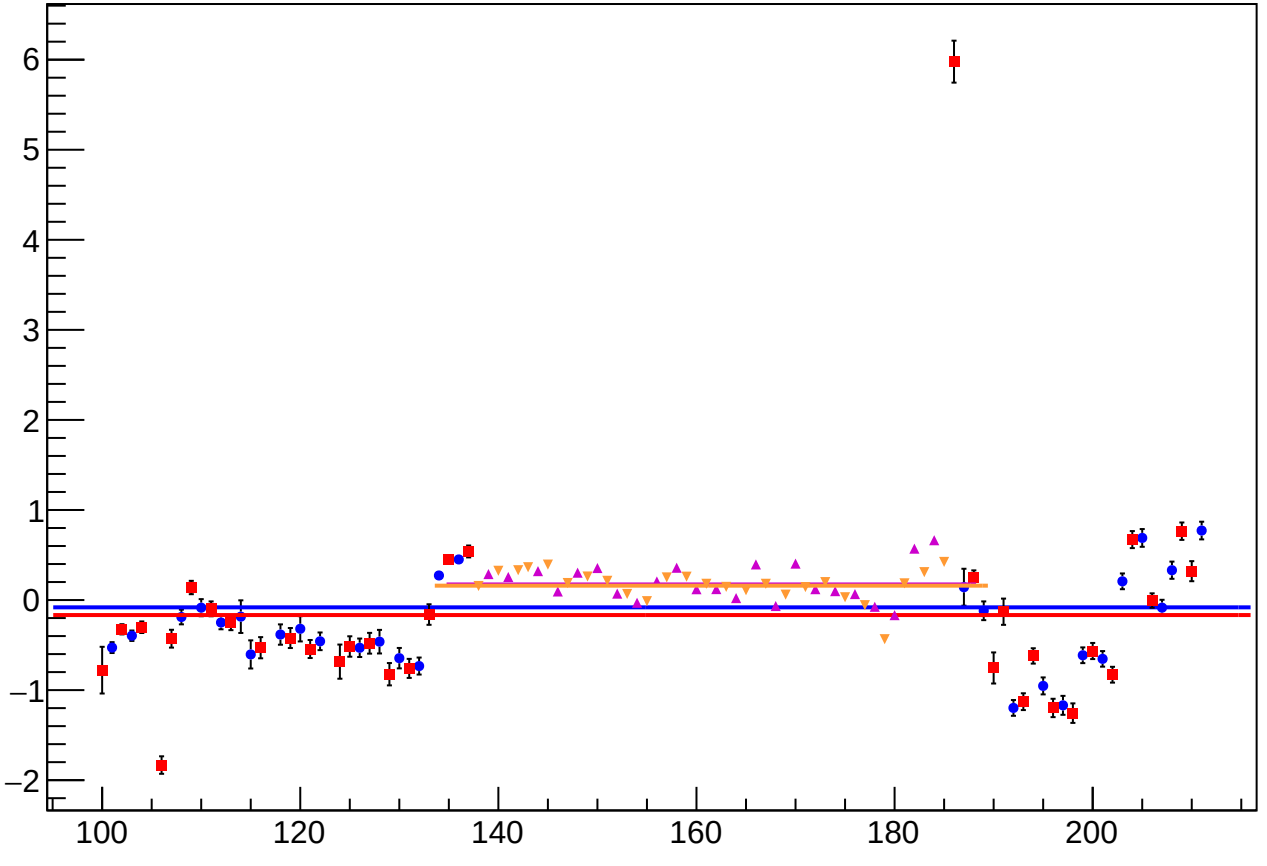
Right: 25.802+/-0.211 χ^2/NDF: 7988.3/60

In: 32.060+/-0.092 χ^2/NDF:6181.1/50

Out: 31.793+/-0.090 χ^2/NDF:7683.5/57

All: 31.924+/-0.064 χ^2/NDF: 13868.9/108

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081+/-0.015 χ^2/NDF: 1208.1/27

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.167+/-0.015 χ^2/NDF: 2163.3/32

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

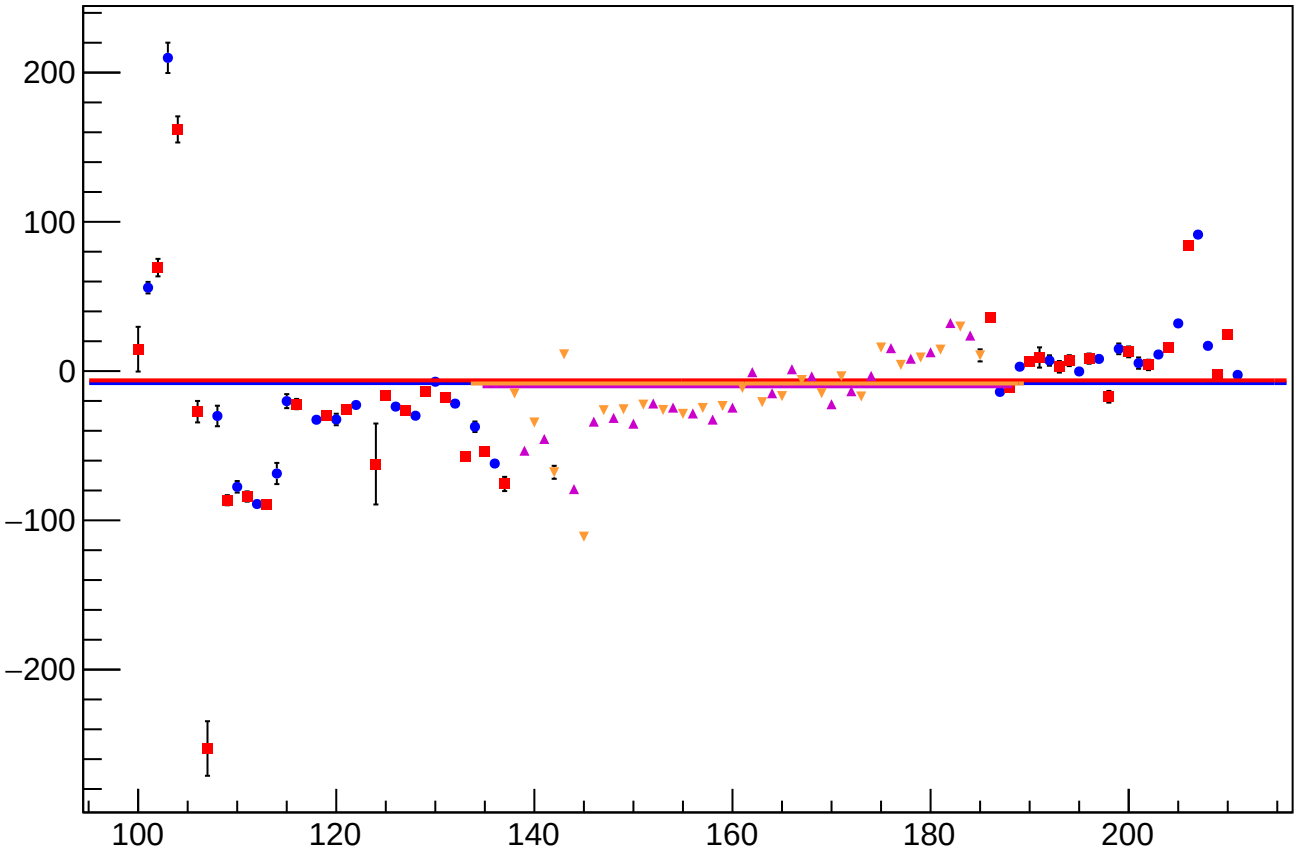
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.122+/-0.011 χ^2/NDF: 3387.6/60

In: 0.153+/-0.004 χ^2/NDF:3612.8/50

Out: 0.137+/-0.004 χ^2/NDF:4193.1/57

All: 0.145+/-0.003 χ^2/NDF: 7813.6/108



Right In: -8.027+/-0.567 χ^2/NDF: 4438.2/27

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -6.221+/-0.515 χ^2/NDF: 5601.3/32

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

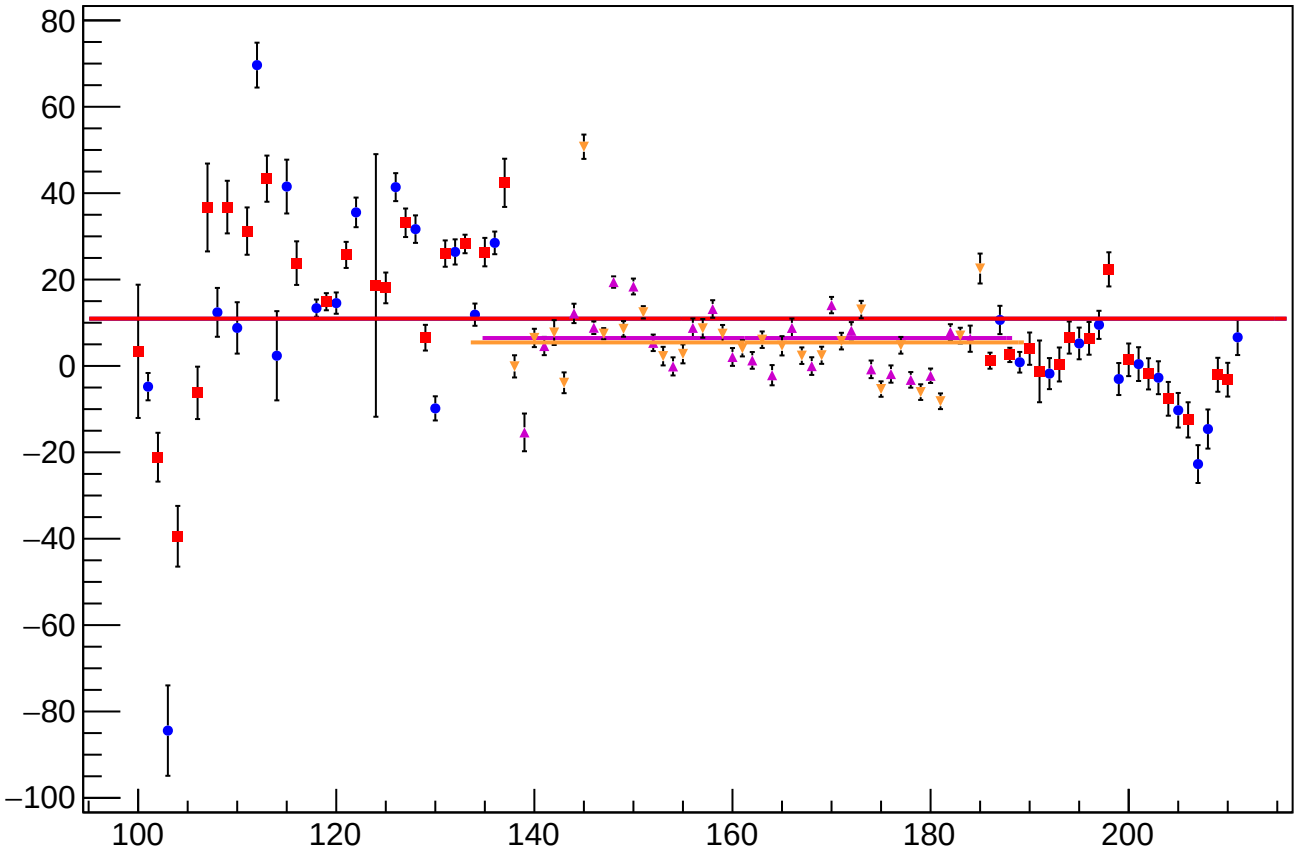
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -7.038+/-0.381 χ^2/NDF: 10045.0/60

In: -9.185+/-0.386 χ^2/NDF:6964.4/50

Out: -7.263+/-0.364 χ^2/NDF:8169.0/57

All: -8.168+/-0.265 χ^2/NDF: 15146.5/108



Right In: 10.927+/-0.643 χ^2/NDF: 762.0/27

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.954+/-0.603 χ^2/NDF: 572.1/32

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

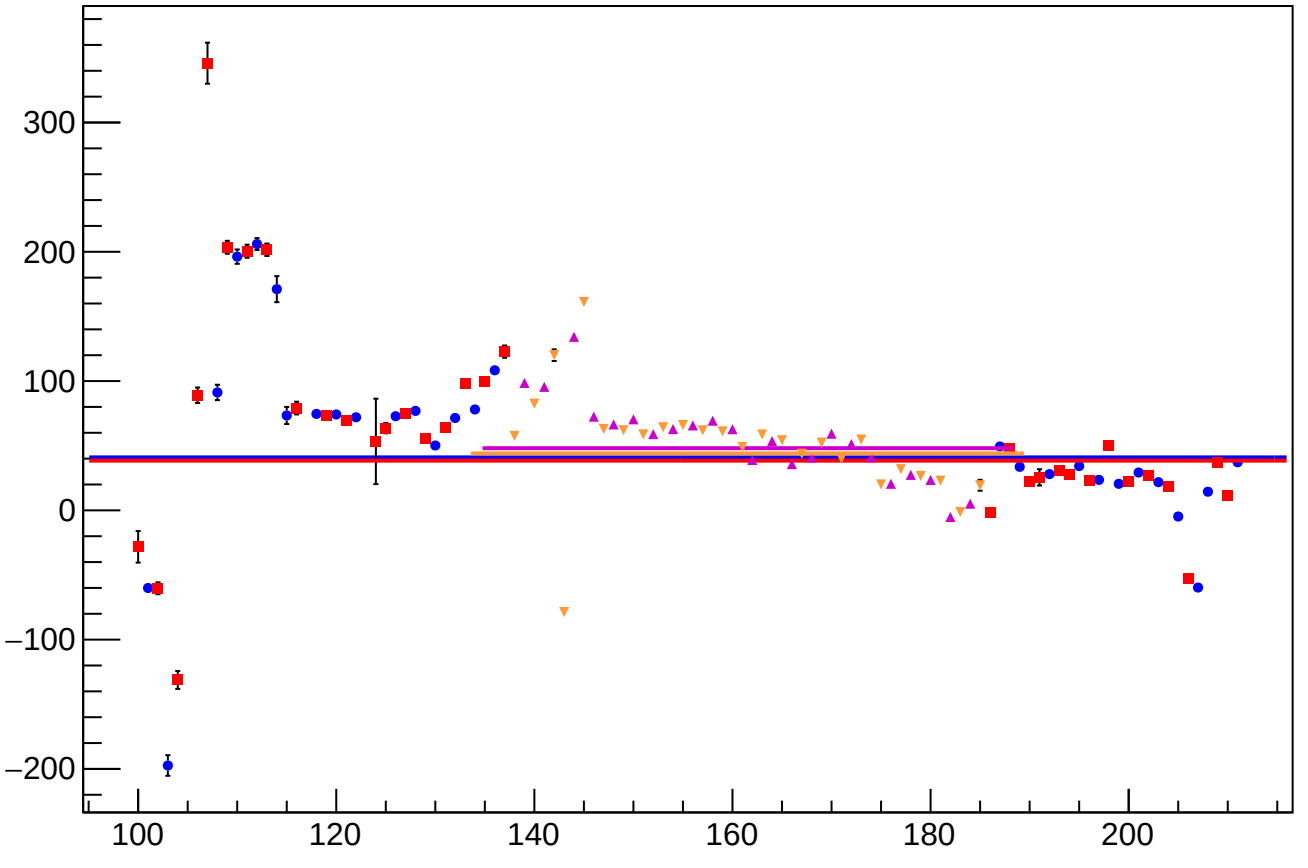
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.941+/-0.440 χ^2/NDF: 1334.0/60

In: 7.744+/-0.344 χ^2/NDF:1132.3/50

Out: 7.091+/-0.330 χ^2/NDF:1124.2/57

All: 7.404+/-0.238 χ^2/NDF: 2258.4/108



Right In: 40.957+/-0.558 χ^2/NDF: 7865.2/27

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 38.444+/-0.486 χ^2/NDF: 9122.8/32

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

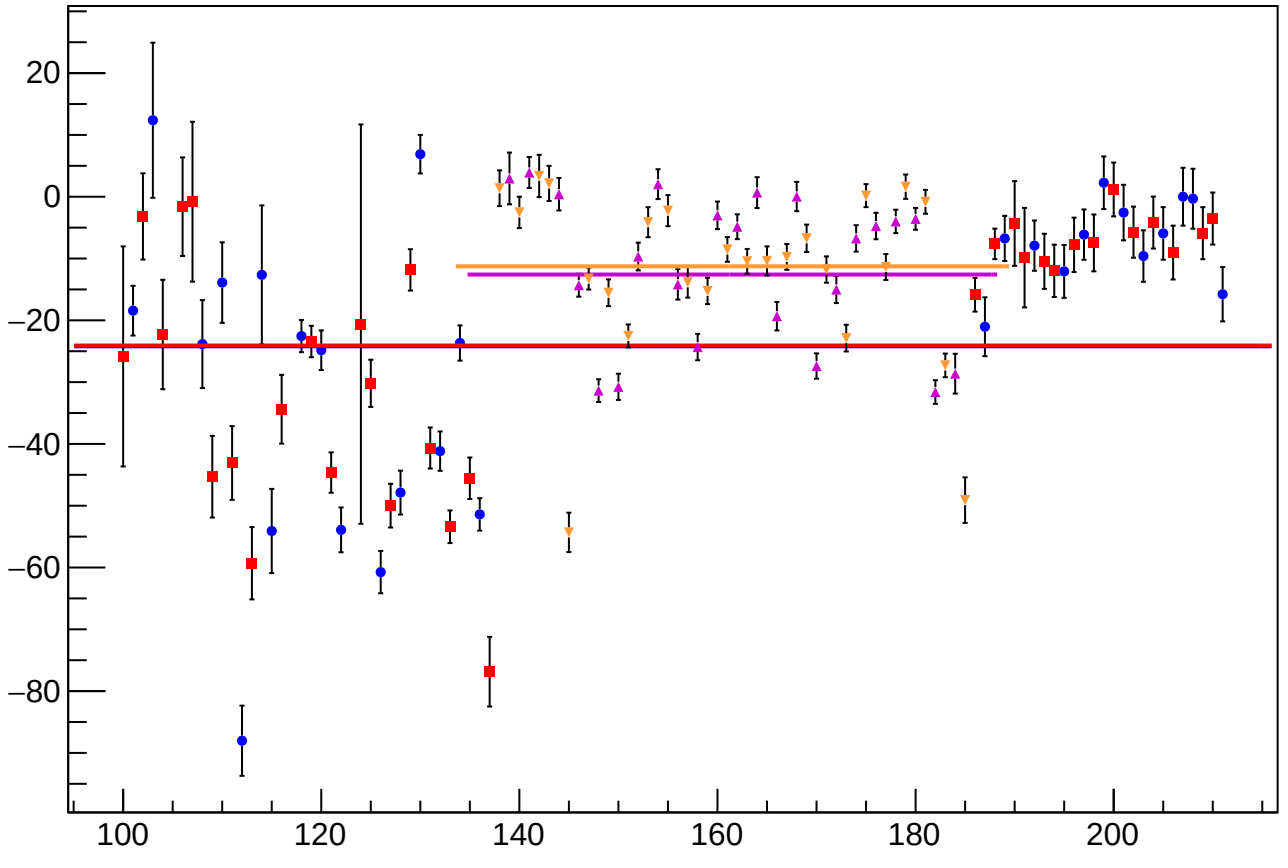
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 39.527+/-0.366 χ^2/NDF: 16999.6/60

In: 44.760+/-0.381 χ^2/NDF:11328.6/50

Out: 41.107+/-0.352 χ^2/NDF:13749.8/57

All: 42.788+/-0.258 χ^2/NDF: 25128.0/108



Right In: -24.202+/-0.750 χ^2/NDF: 835.3/27

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -24.082+/-0.728 χ^2/NDF: 706.1/32

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

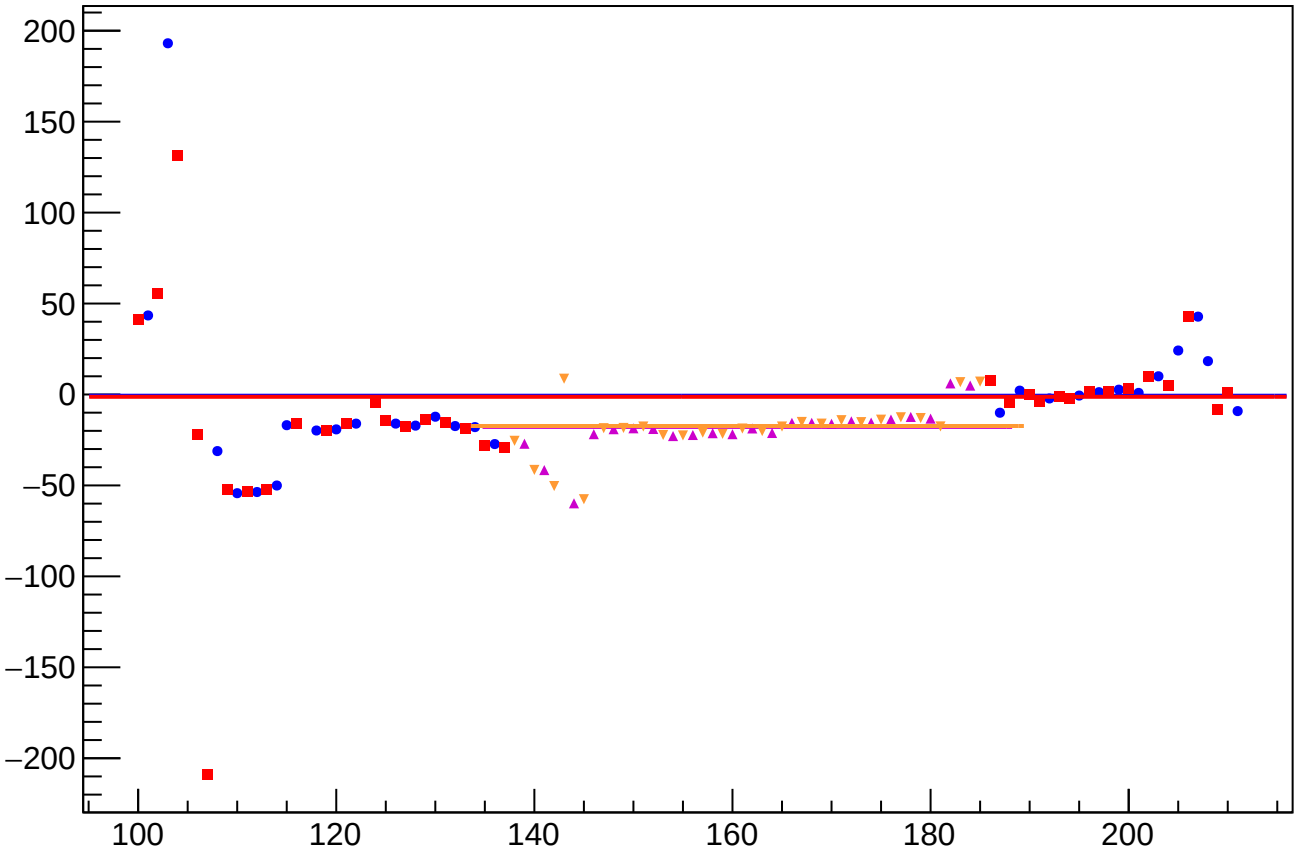
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -24.141+/-0.522 χ^2/NDF: 1541.4/60

In: -15.753+/-0.391 χ^2/NDF:1681.6/50

Out: -14.746+/-0.380 χ^2/NDF:1575.2/57

All: -15.234+/-0.273 χ^2/NDF: 3260.2/108



Right In: -0.683+/-0.035 χ^2/NDF: 645062.6/27

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.269+/-0.034 χ^2/NDF: 571366.9/32

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

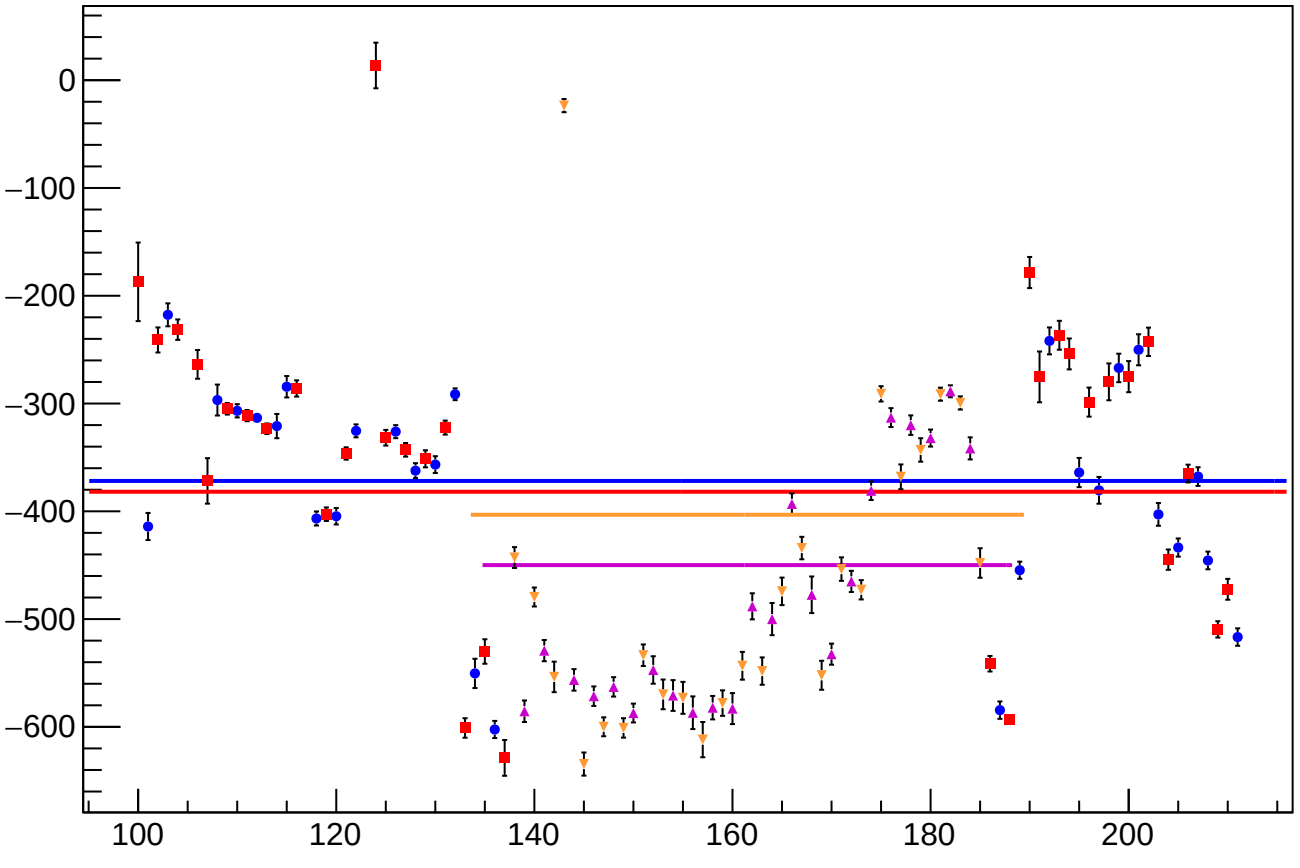
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.986+/-0.024 χ^2/NDF: 1216573.0/60

In: -13.542+/-0.018 χ^2/NDF:1091026.7/50

Out: -13.216+/-0.017 χ^2/NDF:1084894.5/57

All: -13.376+/-0.012 χ^2/NDF: 2176096.6/108



Right In: -371.827+/-1.530 χ^2/NDF: 3532.6/27

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -381.835+/-1.433 χ^2/NDF: 6744.2/32

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

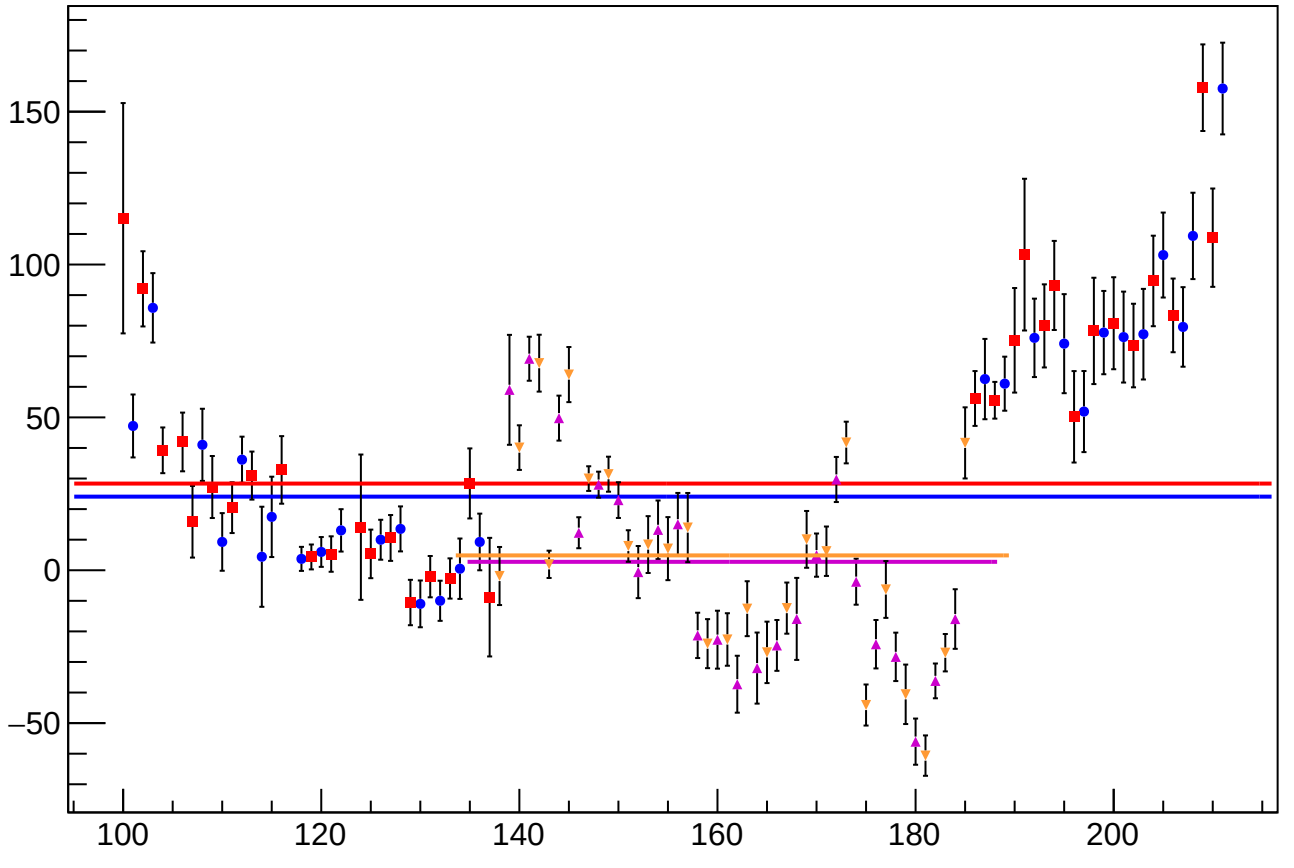
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -377.160+/-1.046 χ^2/NDF: 10299.6/60

In: -399.886+/-1.225 χ^2/NDF:7687.2/50

Out: -389.436+/-1.150 χ^2/NDF:14573.6/57

All: -394.331+/-0.838 χ^2/NDF: 22299.5/108



Right In: 24.081+/-1.658 χ^2/NDF: 412.7/27

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 28.353+/-1.614 χ^2/NDF: 441.1/32

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

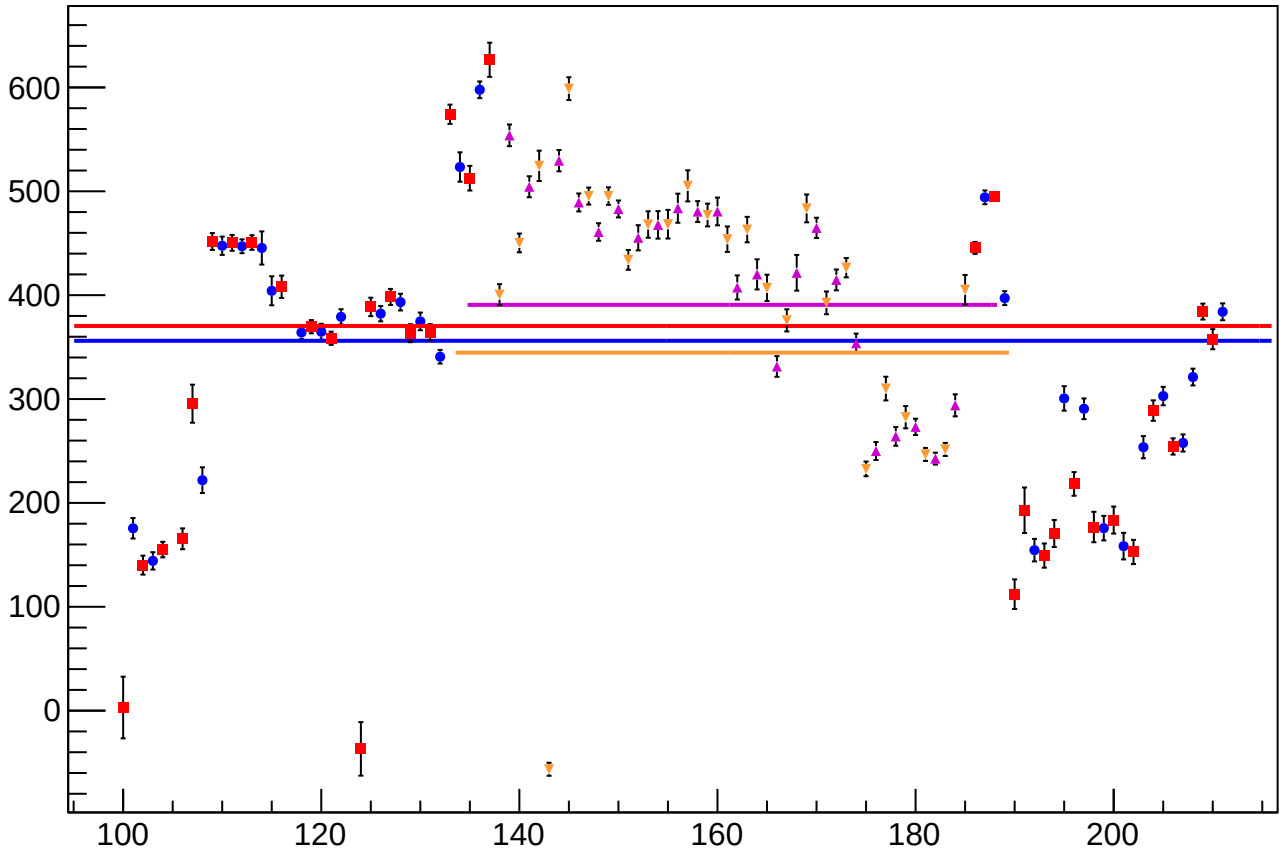
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 26.275+/-1.157 χ^2/NDF: 857.2/60

In: 12.729+/-1.134 χ^2/NDF:900.4/50

Out: 15.328+/-1.077 χ^2/NDF:1015.8/57

All: 14.095+/-0.781 χ^2/NDF: 1918.9/108



Right In: 356.084+/-1.629 χ^2/NDF: 4188.5/27

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.368+/-1.487 χ^2/NDF: 7213.2/32

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

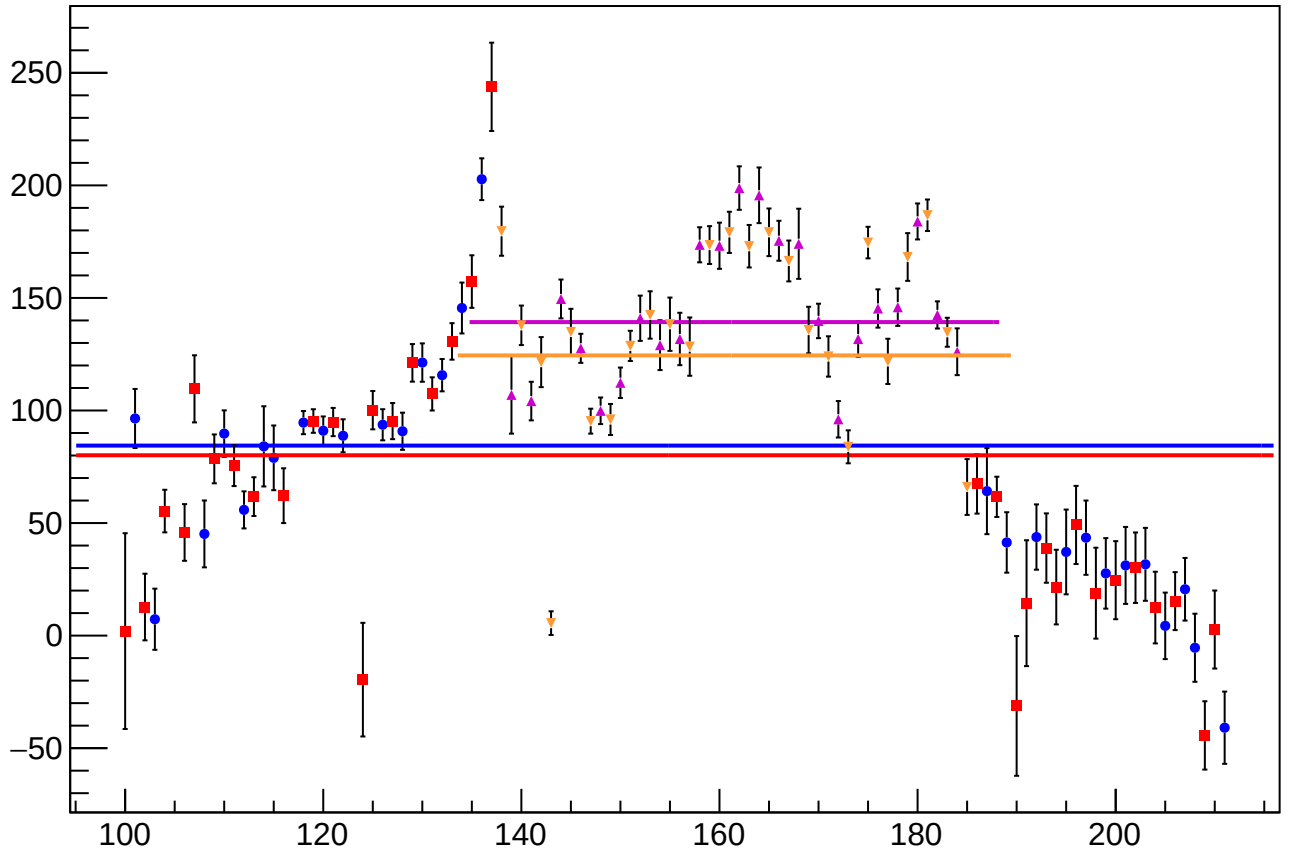
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.876+/-1.098 χ^2/NDF: 11443.6/60

In: 369.637+/-1.270 χ^2/NDF:7037.9/50

Out: 360.763+/-1.177 χ^2/NDF:14603.0/57

All: 364.860+/-0.863 χ^2/NDF: 21667.1/108



Right In: 84.407+/-1.938 χ^2/NDF: 501.6/27

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 80.111+/-1.897 χ^2/NDF: 484.5/32

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

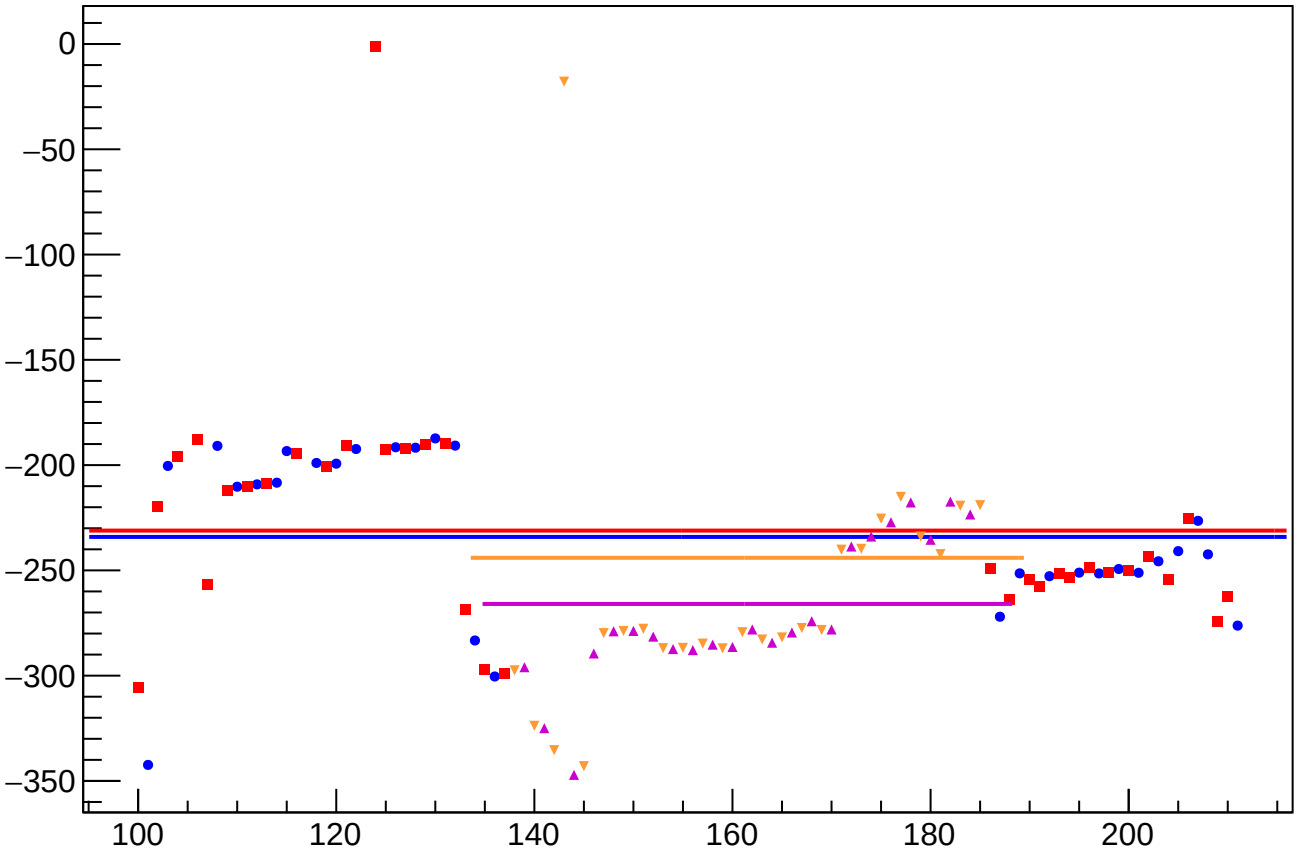
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 82.213+/-1.355 χ^2/NDF: 988.6/60

In: 114.325+/-1.307 χ^2/NDF:1199.7/50

Out: 105.205+/-1.250 χ^2/NDF:1731.5/57

All: 109.564+/-0.903 χ^2/NDF: 2956.6/108



Right In: -234.106+/-0.106 χ^2/NDF: 139330.0/27

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -231.102+/-0.101 χ^2/NDF: 116789.4/32

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

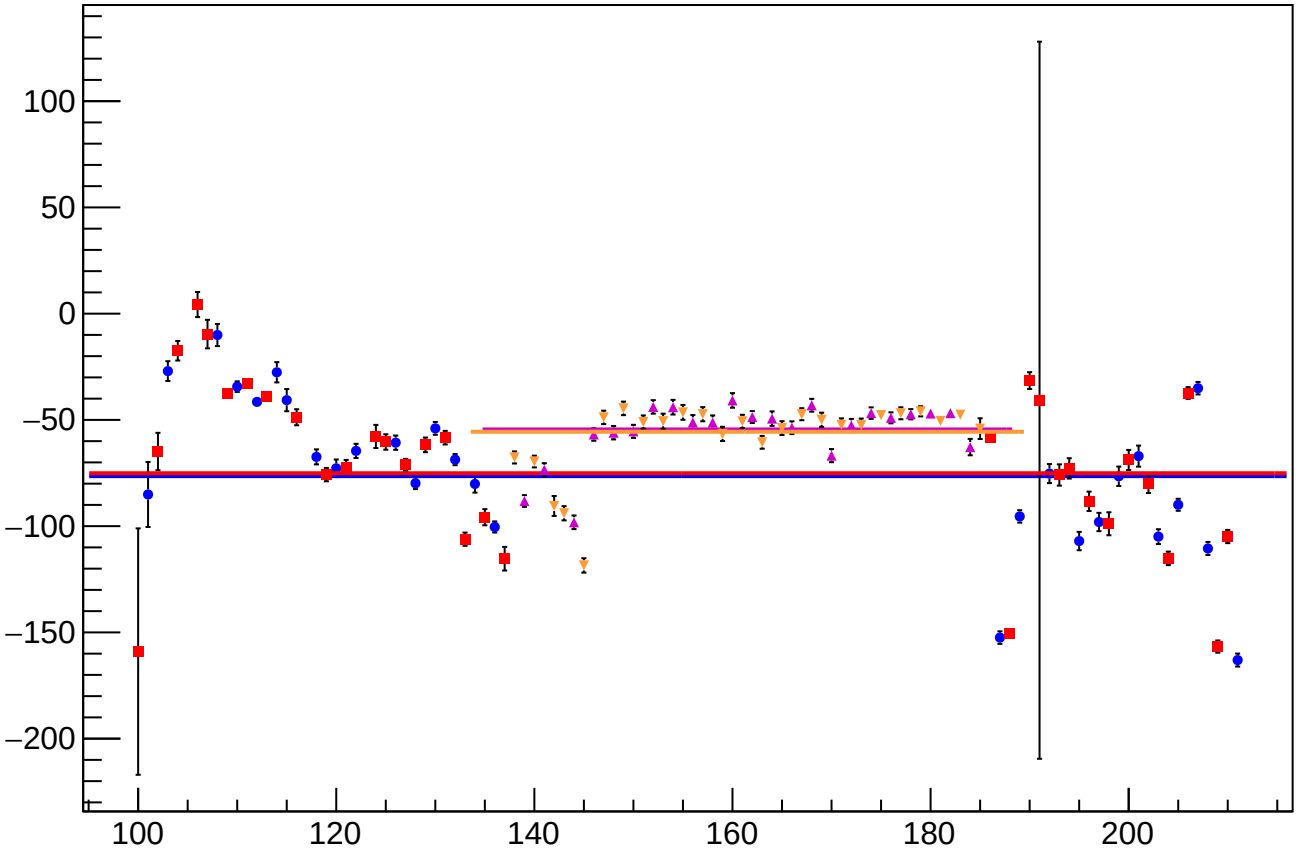
Right: -232.536+/-0.073 χ^2/NDF: 256541.2/60

In: -254.261+/-0.064 χ^2/NDF:366679.5/50

Out: -239.252+/-0.061 χ^2/NDF:1125052.2/57

All: -246.442+/-0.044 χ^2/NDF: 1520338.6/10

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -76.459+/-0.637 χ^2/NDF: 3158.9/27

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -75.100+/-0.575 χ^2/NDF: 5055.9/32

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

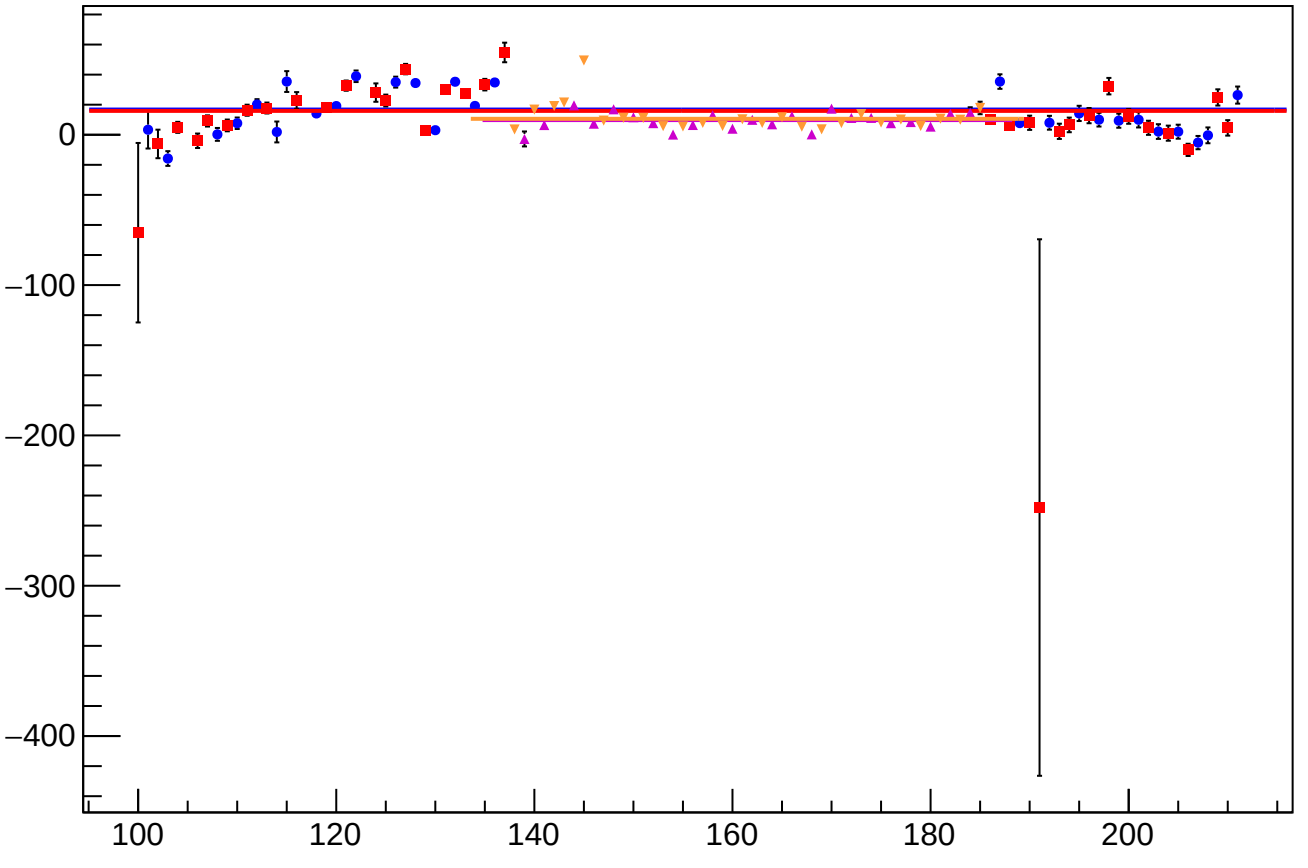
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -75.710+/-0.427 χ^2/NDF: 8217.3/60

In: -64.938+/-0.439 χ^2/NDF:4283.0/50

Out: -65.597+/-0.412 χ^2/NDF:6304.4/57

All: -65.289+/-0.300 χ^2/NDF: 10588.6/108



Right In: 16.767+/-0.727 χ^2/NDF: 350.6/27

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.884+/-0.668 χ^2/NDF: 368.6/32

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

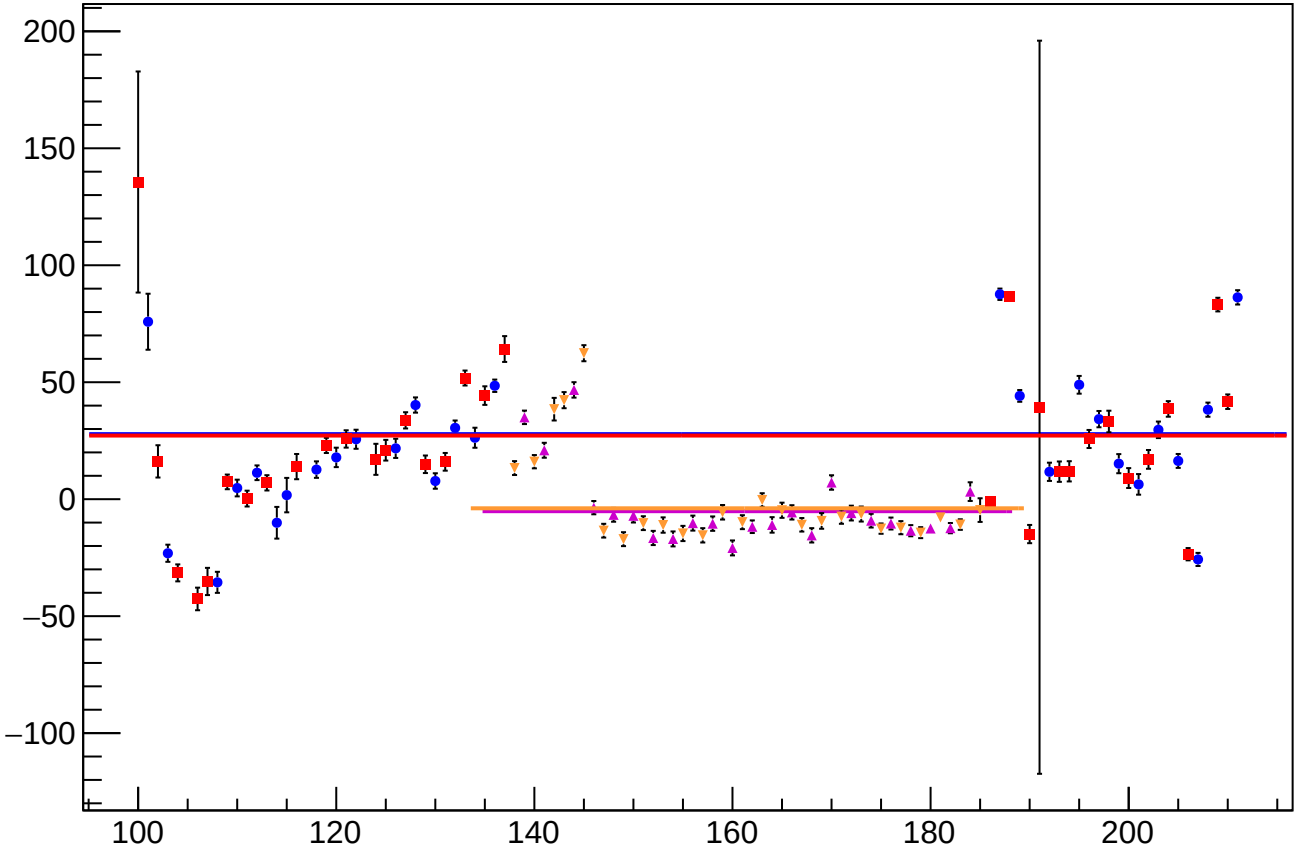
Right: 16.288+/-0.492 χ^2/NDF: 720.0/60

In: 11.808+/-0.393 χ^2/NDF:537.2/50

Out: 12.248+/-0.373 χ^2/NDF:666.8/57

All: 12.040+/-0.270 χ^2/NDF: 1204.7/108

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.806+/-0.661 χ^2/NDF: 2149.3/27

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.203+/-0.576 χ^2/NDF: 4077.9/32

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

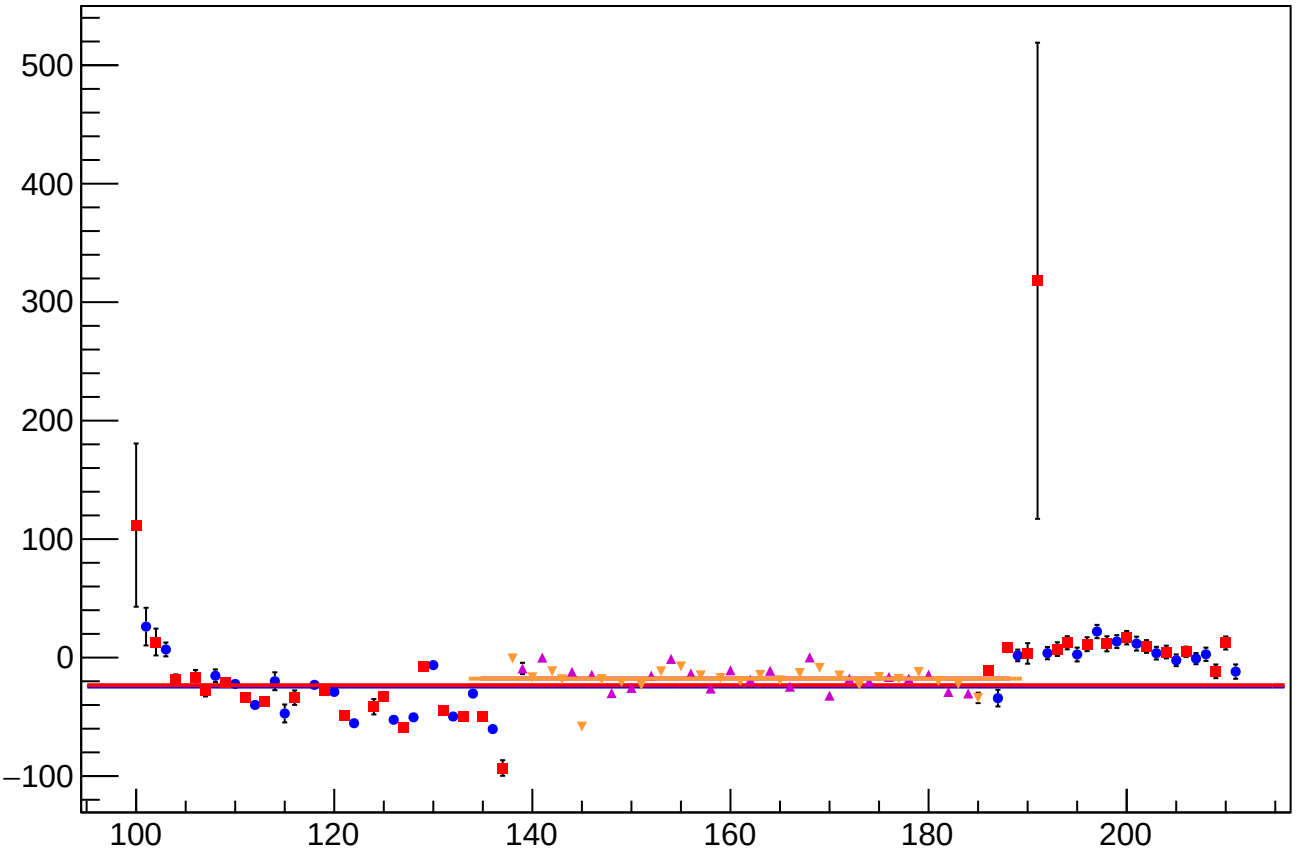
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.463+/-0.434 χ^2/NDF: 6227.6/60

In: 9.731+/-0.444 χ^2/NDF:4159.6/50

Out: 11.894+/-0.410 χ^2/NDF:6362.5/57

All: 10.898+/-0.301 χ^2/NDF: 10534.9/108



Right In: -24.436+/-0.839 χ^2/NDF: 795.0/27

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -23.301+/-0.795 χ^2/NDF: 942.9/32

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

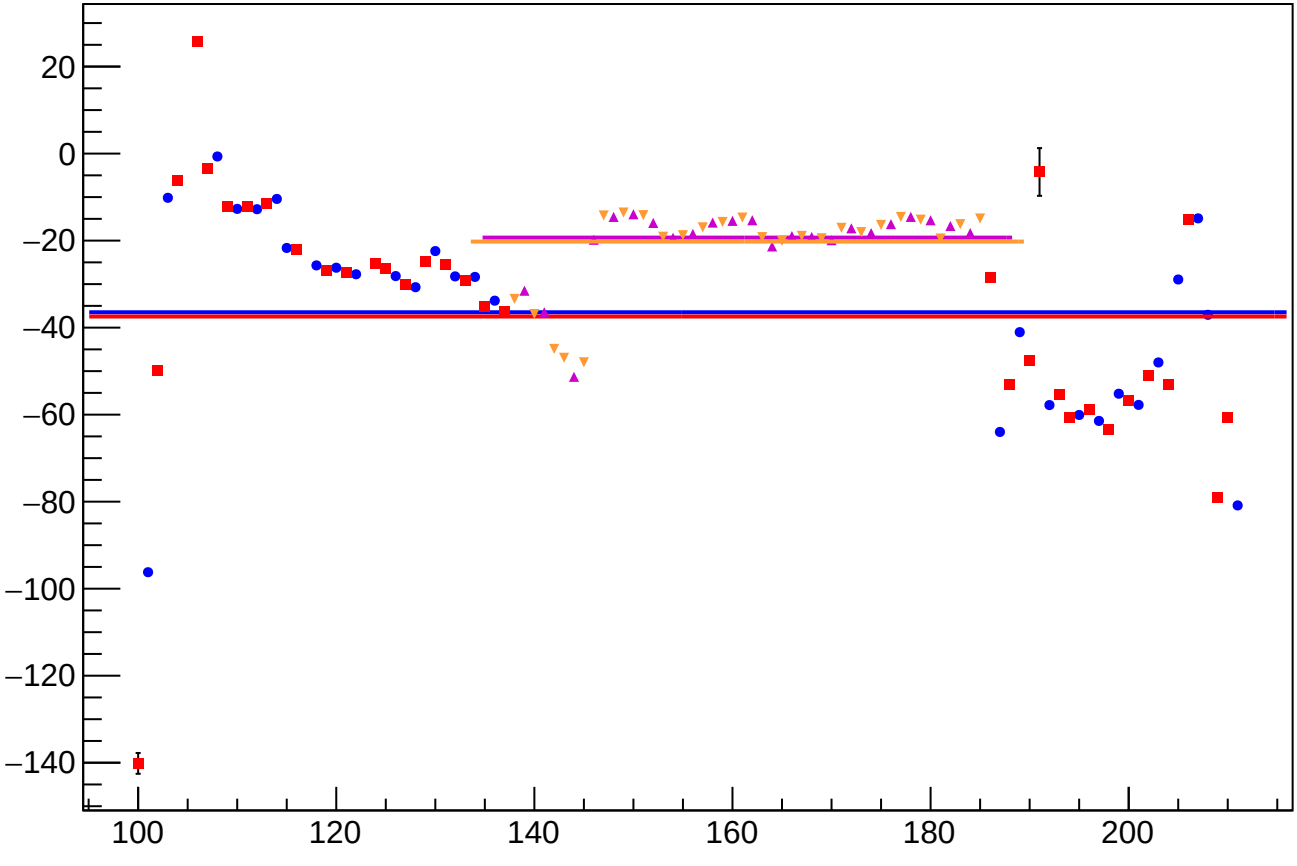
Right: -23.838+/-0.577 χ^2/NDF: 1738.9/60

In: -19.560+/-0.446 χ^2/NDF:1128.0/50

Out: -19.383+/-0.428 χ^2/NDF:1228.8/57

All: -19.468+/-0.309 χ^2/NDF: 2356.8/108

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -36.472+/-0.041 χ^2/NDF: 237766.3/27

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.445+/-0.040 χ^2/NDF: 325404.3/32

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

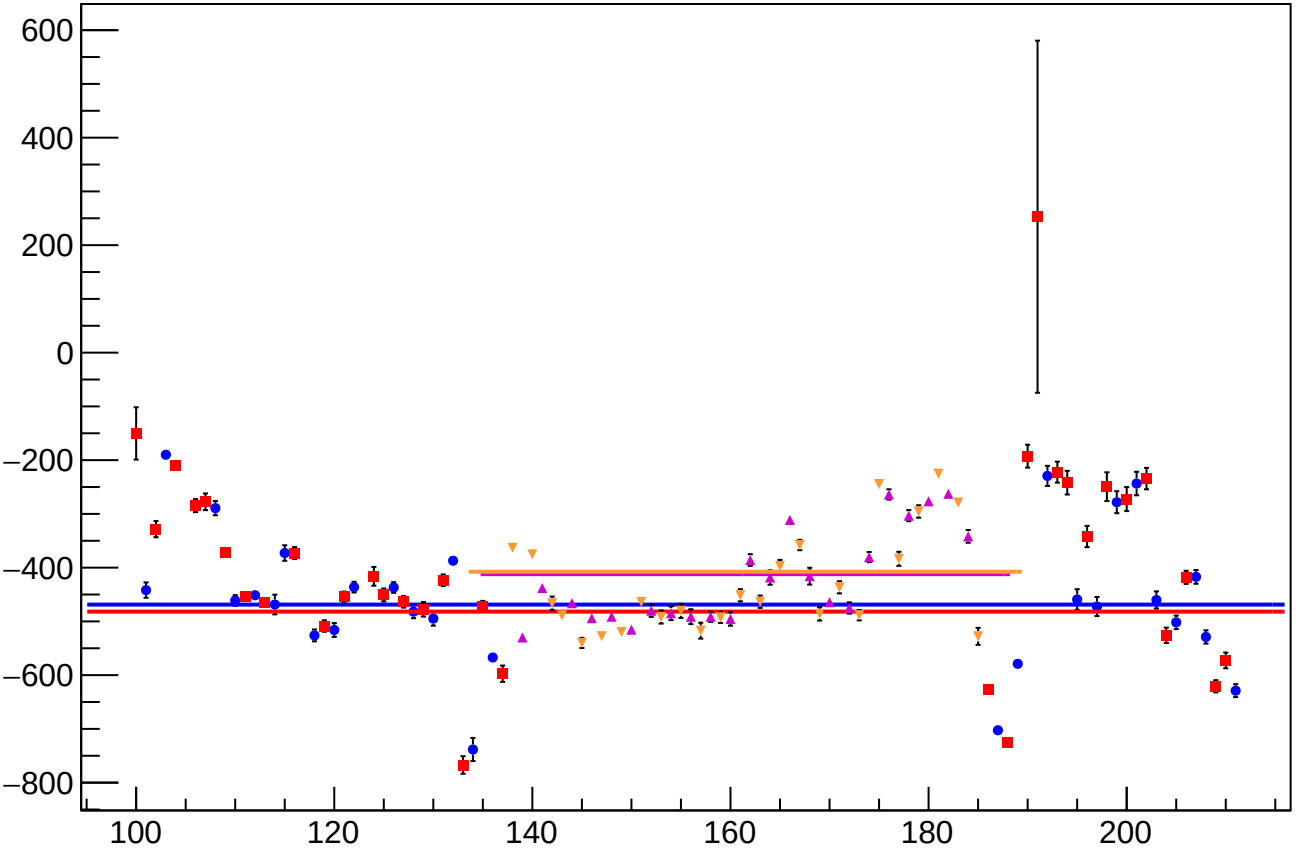
Right: -36.971+/-0.028 χ^2/NDF: 563466.1/60

In: -23.561+/-0.020 χ^2/NDF:465628.5/50

Out: -24.542+/-0.020 χ^2/NDF:614969.4/57

All: -24.061+/-0.014 χ^2/NDF: 1081803.4/108

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -468.735+/-2.209 χ^2/NDF: 3038.1/27

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -481.800+/-1.979 χ^2/NDF: 6309.3/32

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

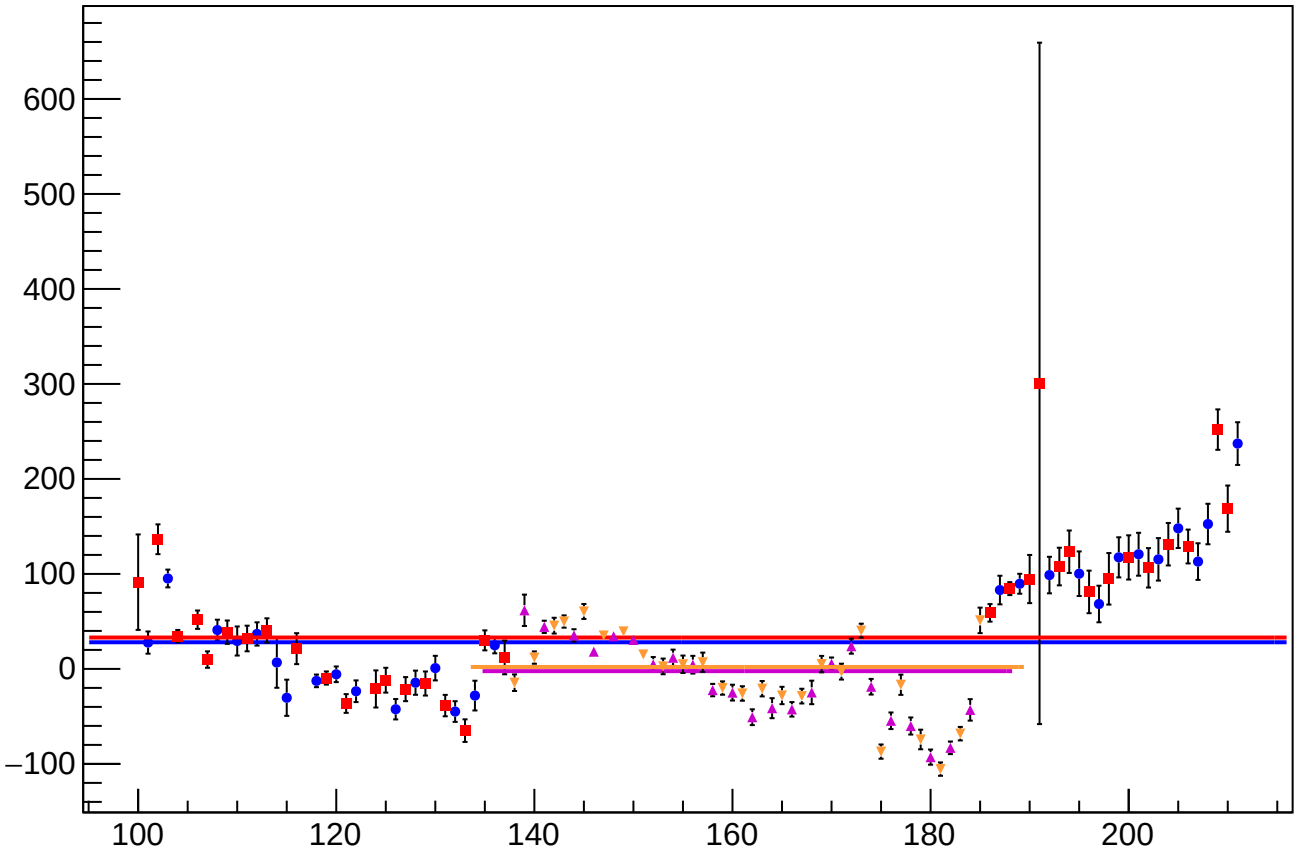
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -475.983+/-1.474 χ^2/NDF: 9366.8/60

In: -437.733+/-1.486 χ^2/NDF:5580.3/50

Out: -444.149+/-1.389 χ^2/NDF:9895.7/57

All: -441.156+/-1.015 χ^2/NDF: 15485.9/108



Right In: 28.045+/-2.422 χ^2/NDF: 553.3/27

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 33.038+/-2.188 χ^2/NDF: 629.0/32

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

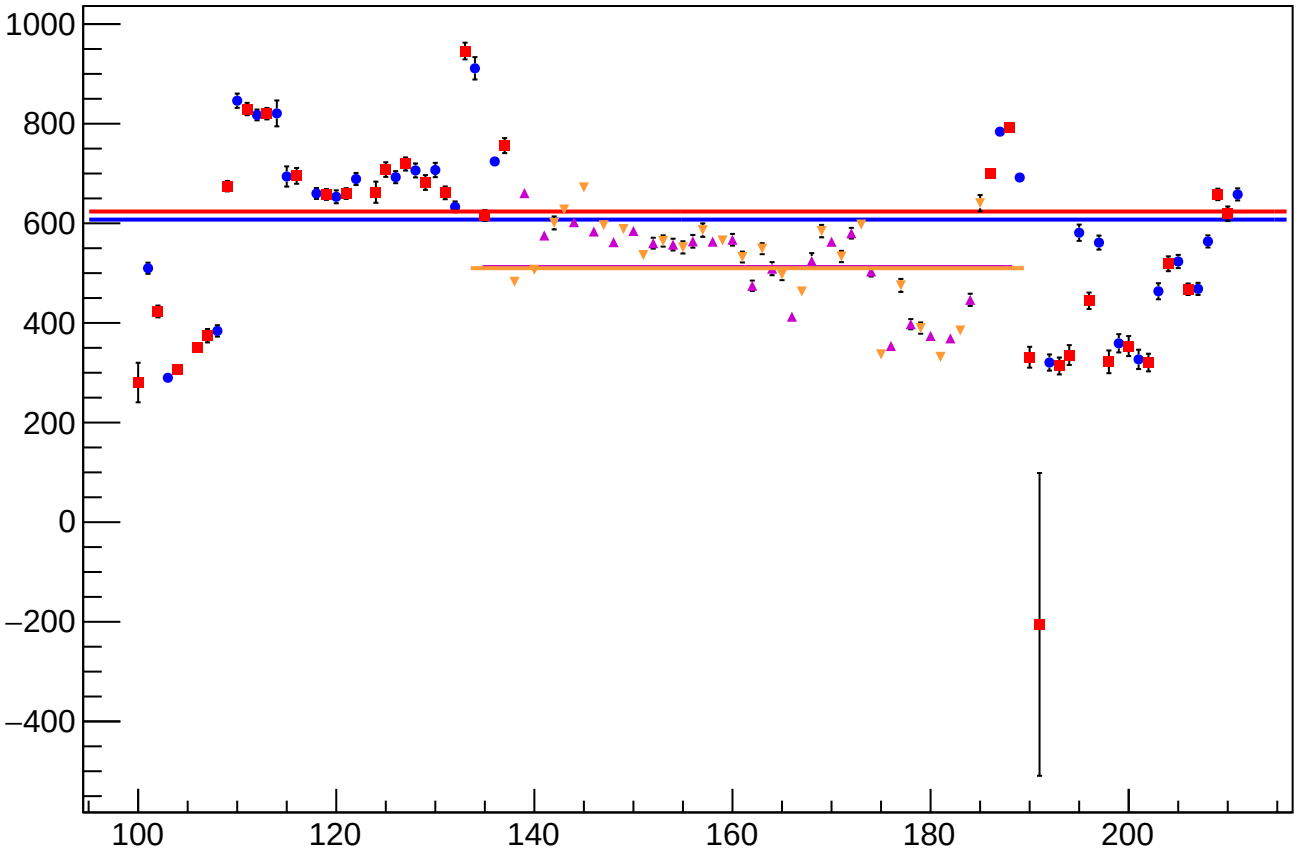
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 30.794+/-1.623 χ^2/NDF: 1184.6/60

In: 5.923+/-1.264 χ^2/NDF:1401.3/50

Out: 11.279+/-1.195 χ^2/NDF:1680.7/57

All: 8.753+/-0.868 χ^2/NDF: 3091.5/108



Right In: 607.470+/-2.229 χ^2/NDF: 5544.6/27

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.703+/-1.935 χ^2/NDF: 8815.7/32

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

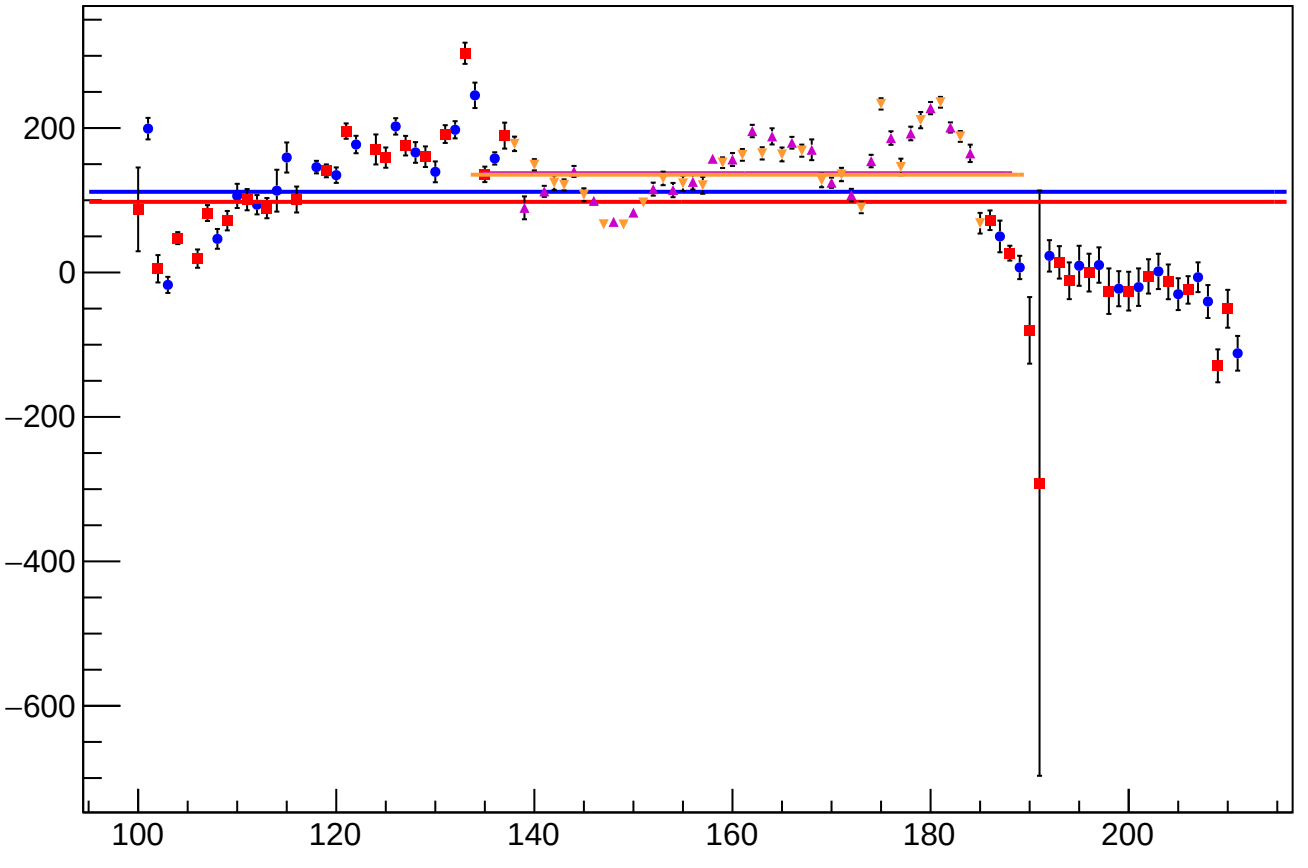
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.727+/-1.461 χ^2/NDF: 14390.6/60

In: 554.350+/-1.482 χ^2/NDF:8650.1/50

Out: 566.829+/-1.368 χ^2/NDF:13206.9/57

All: 561.085+/-1.005 χ^2/NDF: 21895.3/108



Right In: 111.716+/-2.833 χ^2/NDF: 846.8/27

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 97.791+/-2.625 χ^2/NDF: 952.2/32

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

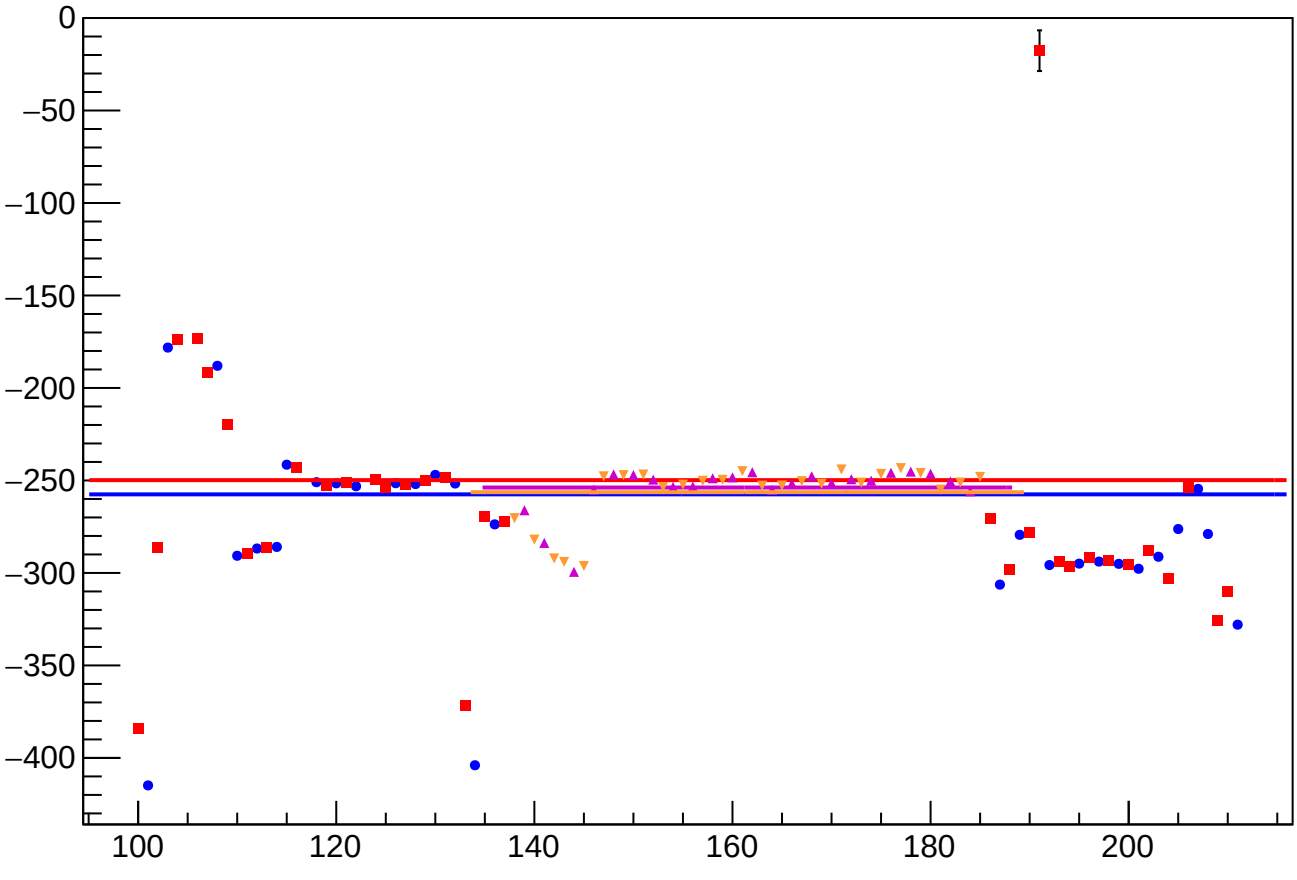
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 104.225+/-1.926 χ^2/NDF: 1812.0/60

In: 130.568+/-1.459 χ^2/NDF:1613.0/50

Out: 124.767+/-1.396 χ^2/NDF:2022.6/57

All: 127.540+/-1.009 χ^2/NDF: 3643.9/108



Right In: -257.519+/-0.135 χ^2/NDF: 202466.4/27

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -249.831+/-0.129 χ^2/NDF: 156311.9/32

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

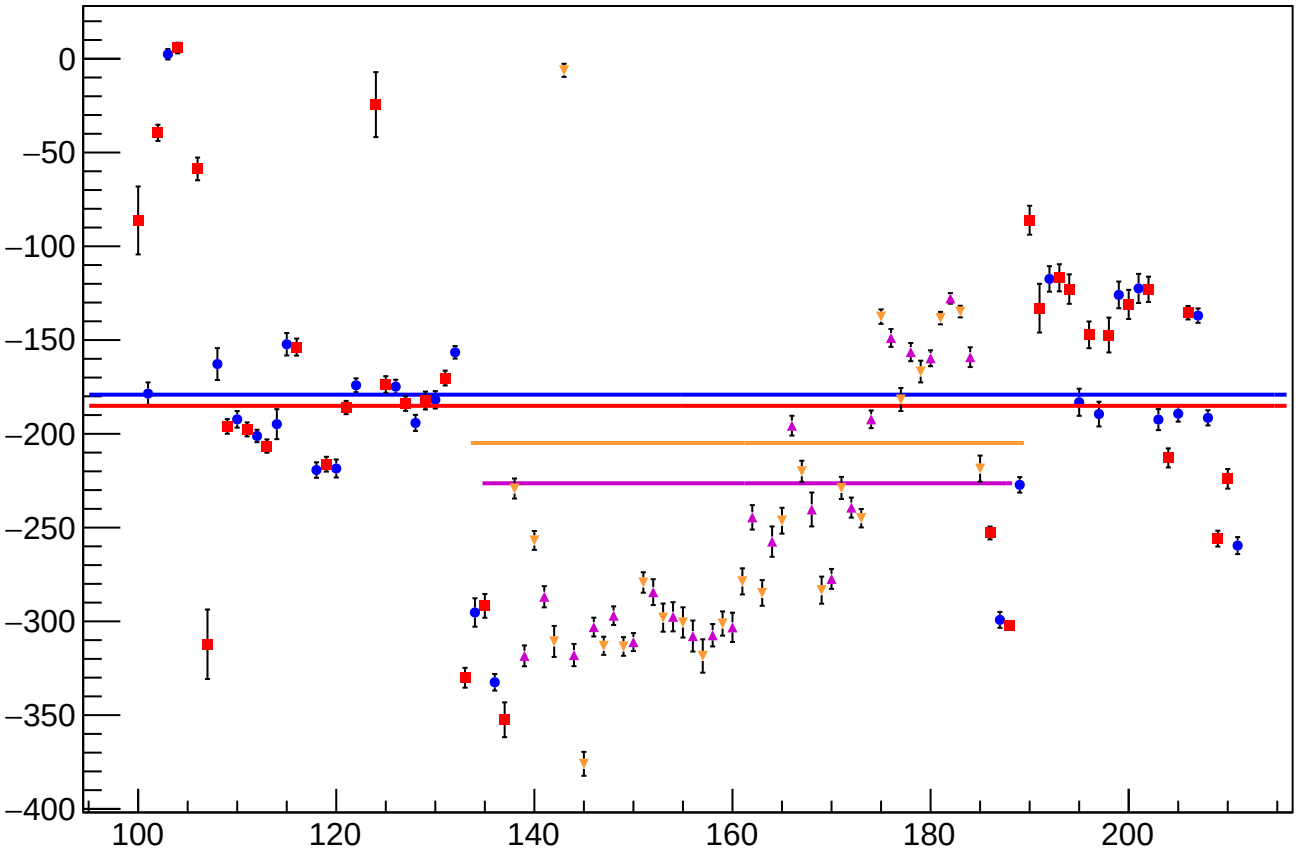
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -253.506+/-0.093 χ^2/NDF: 360468.2/60

In: -254.740+/-0.067 χ^2/NDF:227106.7/50

Out: -254.639+/-0.066 χ^2/NDF:197698.1/57

All: -254.688+/-0.047 χ^2/NDF: 424805.9/108



Right In: -179.119+/-0.863 χ^2/NDF: 7603.7/27

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.068+/-0.807 χ^2/NDF: 11915.3/32

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

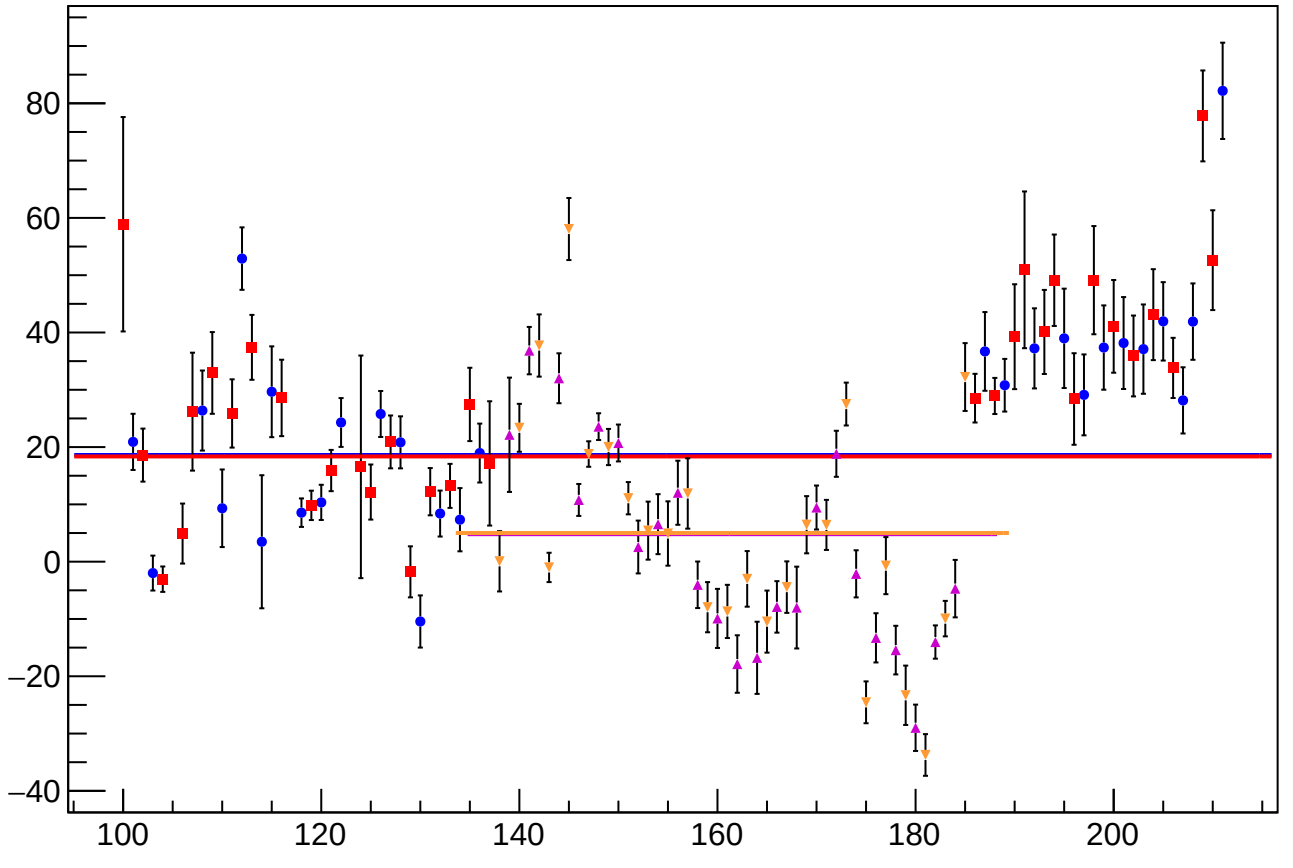
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -182.292+/-0.589 χ^2/NDF: 19544.4/60

In: -197.008+/-0.680 χ^2/NDF:12958.8/50

Out: -192.411+/-0.640 χ^2/NDF:19965.2/57

All: -194.571+/-0.466 χ^2/NDF: 32948.2/108



Right In: 18.617+/-0.943 χ^2/NDF: 303.0/27

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.368+/-0.883 χ^2/NDF: 332.3/32

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

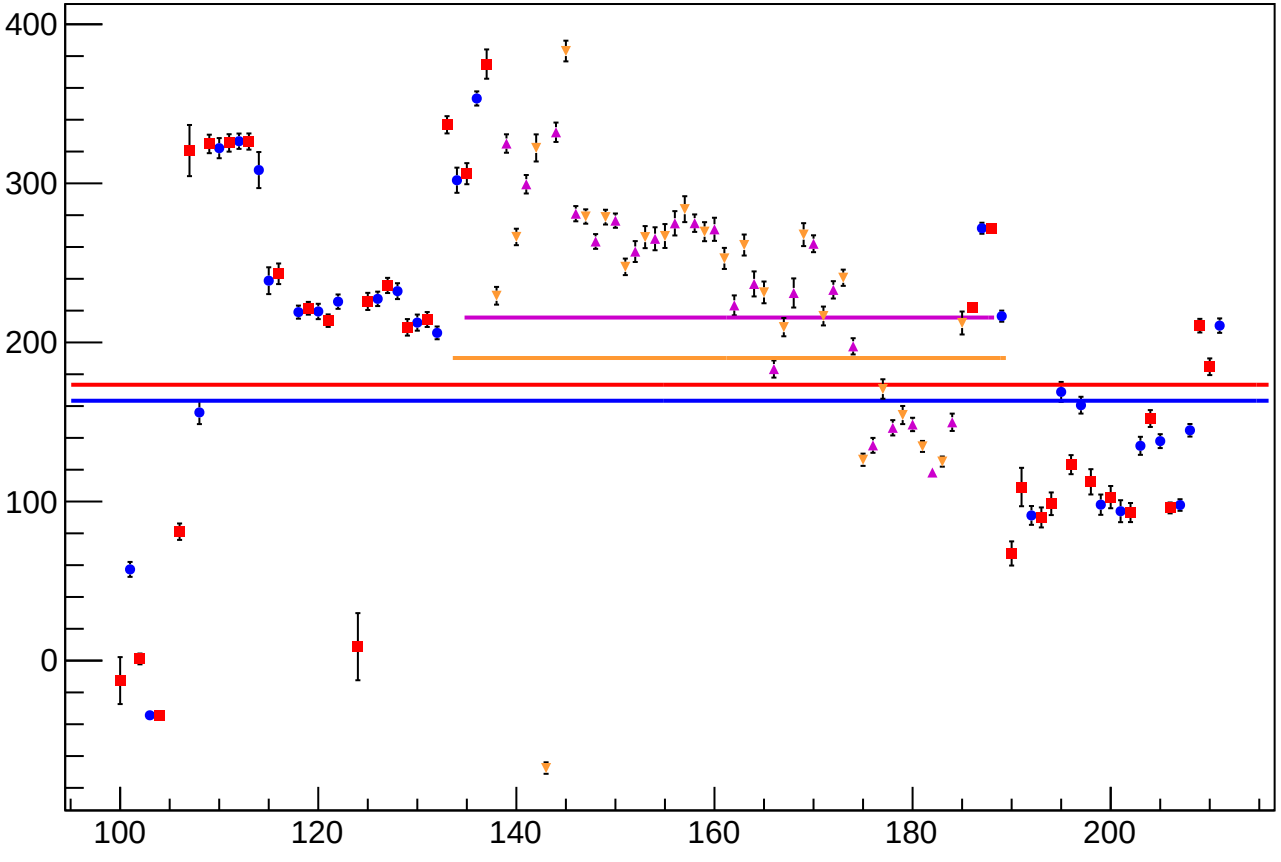
Right: 18.484+/-0.645 χ^2/NDF: 635.4/60

In: 10.962+/-0.630 χ^2/NDF:848.2/50

Out: 10.977+/-0.590 χ^2/NDF:1007.6/57

All: 10.970+/-0.431 χ^2/NDF: 1855.7/108

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 163.352+/-0.863 χ^2/NDF: 16032.6/27

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.403+/-0.785 χ^2/NDF: 21450.5/32

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

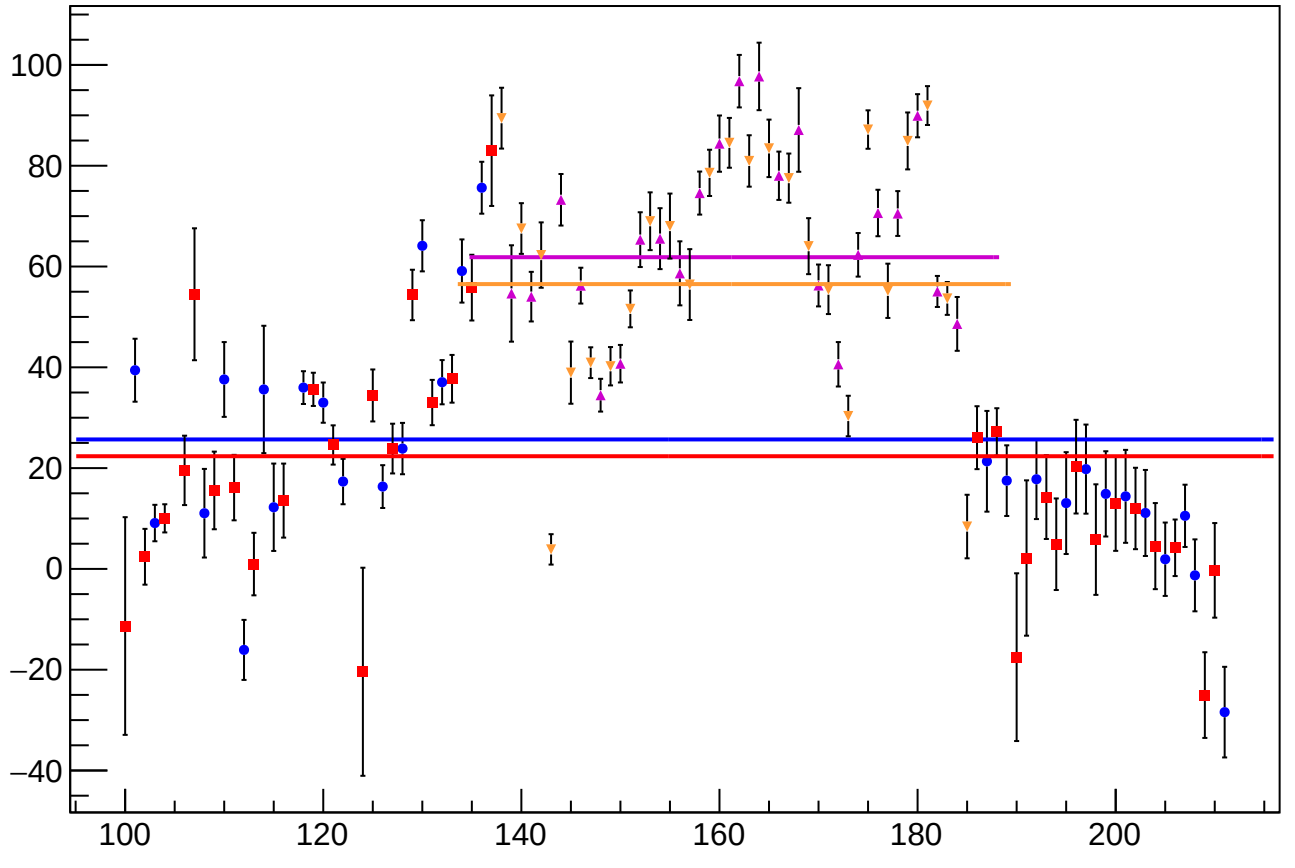
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 168.854+/-0.581 χ^2/NDF: 37557.4/60

In: 183.318+/-0.679 χ^2/NDF:21320.4/50

Out: 179.430+/-0.629 χ^2/NDF:30999.1/57

All: 181.225+/-0.461 χ^2/NDF: 52337.2/108



Right In: 25.689+/-1.104 χ^2/NDF: 369.5/27

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.358+/-1.053 χ^2/NDF: 266.6/32

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

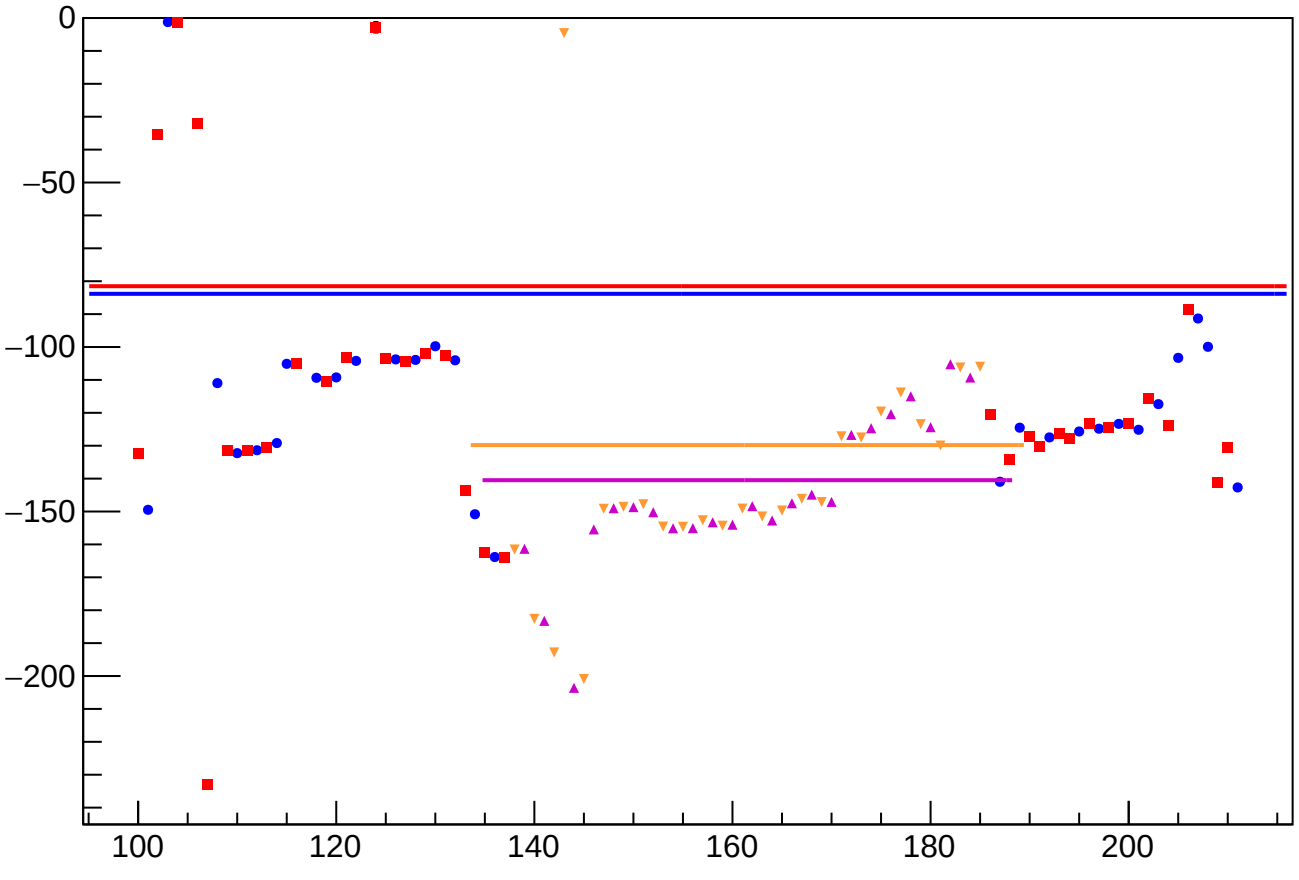
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.945+/-0.762 χ^2/NDF: 640.8/60

In: 46.250+/-0.725 χ^2/NDF:1300.5/50

Out: 41.926+/-0.688 χ^2/NDF:1668.4/57

All: 43.975+/-0.499 χ^2/NDF: 2987.6/108



Right In: -83.829+/-0.051 χ^2/NDF: 1320569.9/27

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -81.513+/-0.049 χ^2/NDF: 1292954.3/32

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

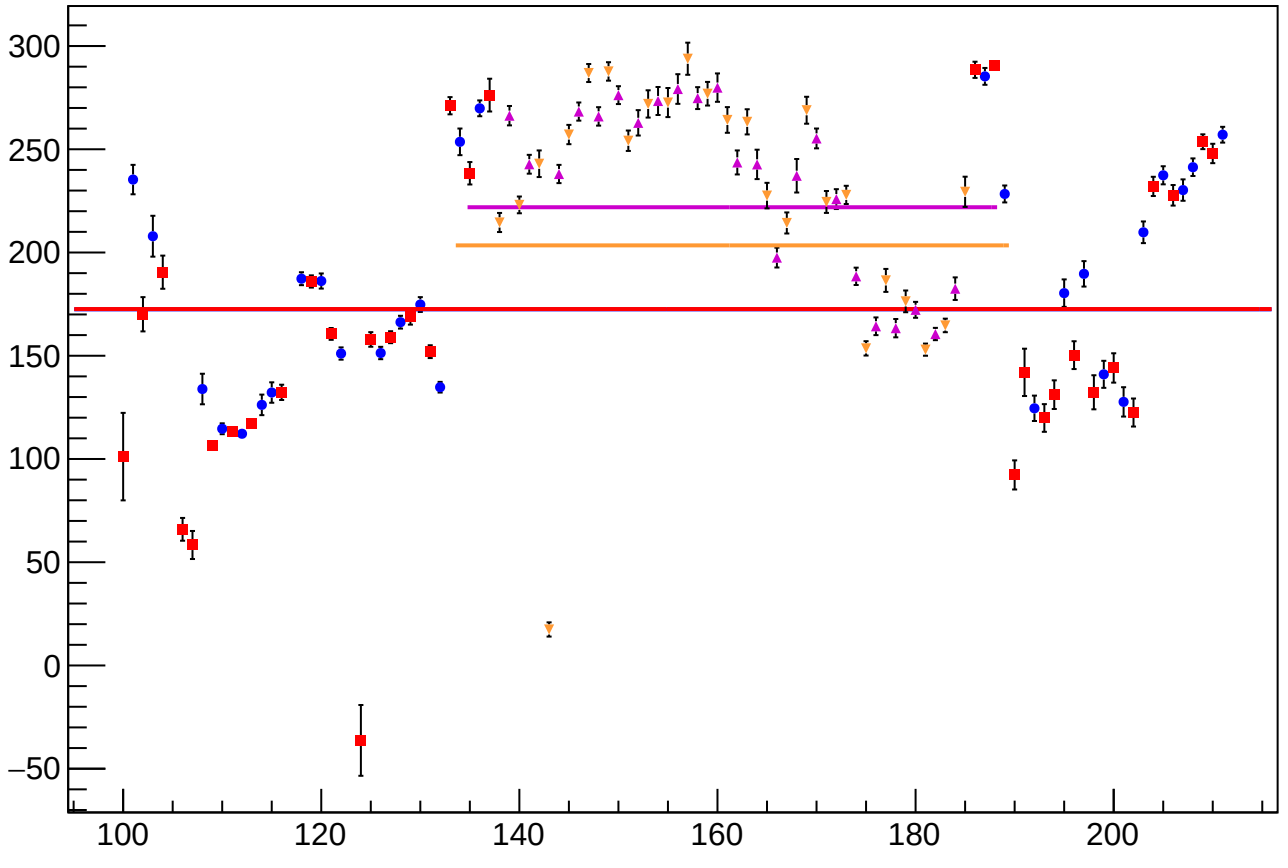
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -82.629+/-0.035 χ^2/NDF: 2614595.4/60

In: -116.478+/-0.033 χ^2/NDF:2288174.1/50

Out: -109.309+/-0.032 χ^2/NDF:2875028.1/57

All: -112.766+/-0.023 χ^2/NDF: 5187418.8/10



Right In: 172.463+/-0.743 χ^2/NDF: 4956.8/27

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 172.614+/-0.690 χ^2/NDF: 9259.5/32

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

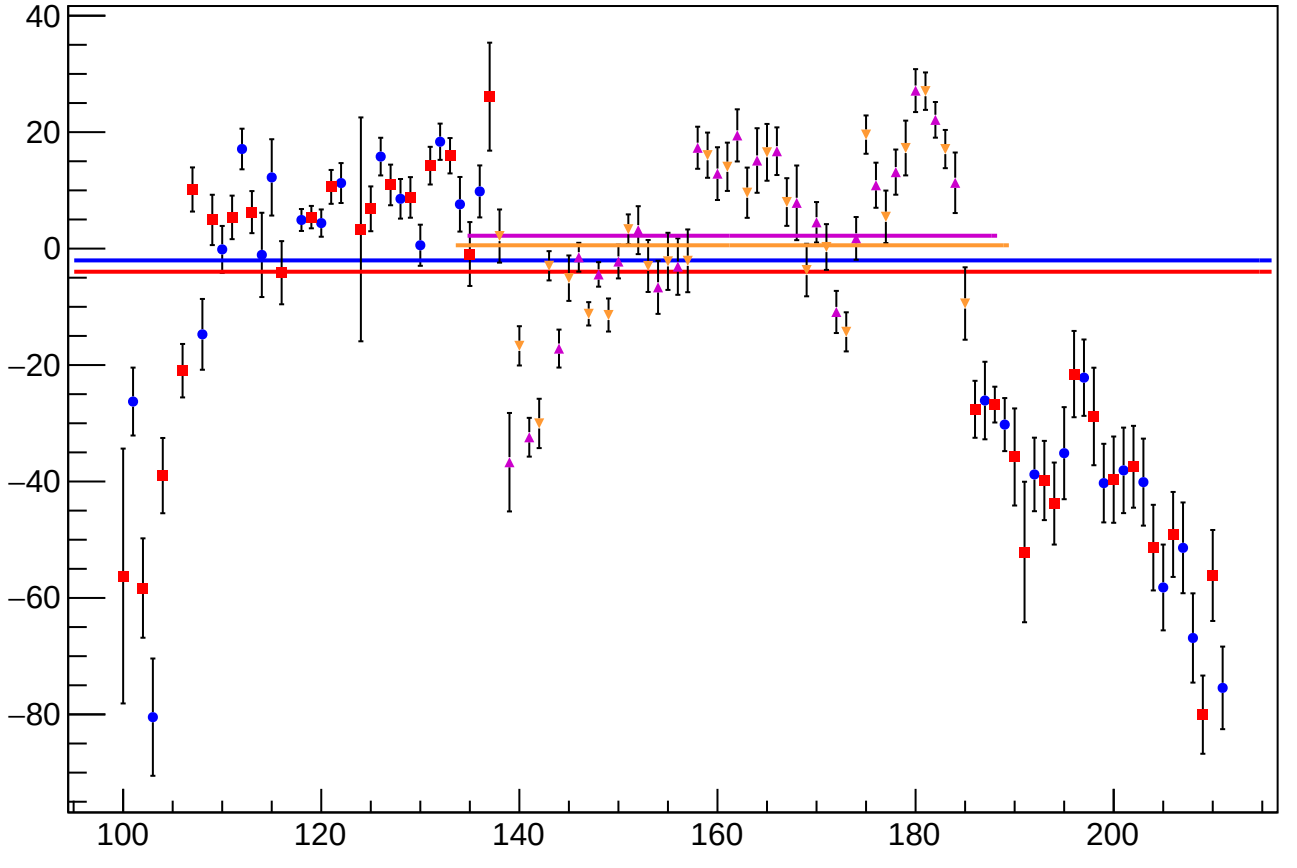
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 172.544+/-0.506 χ^2/NDF: 14216.3/60

In: 189.991+/-0.597 χ^2/NDF:8513.6/50

Out: 183.226+/-0.559 χ^2/NDF:15437.9/57

All: 186.386+/-0.408 χ^2/NDF: 24020.0/108



Right In: -2.028+/-0.809 χ^2/NDF: 719.6/27

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -3.972+/-0.785 χ^2/NDF: 777.3/32

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

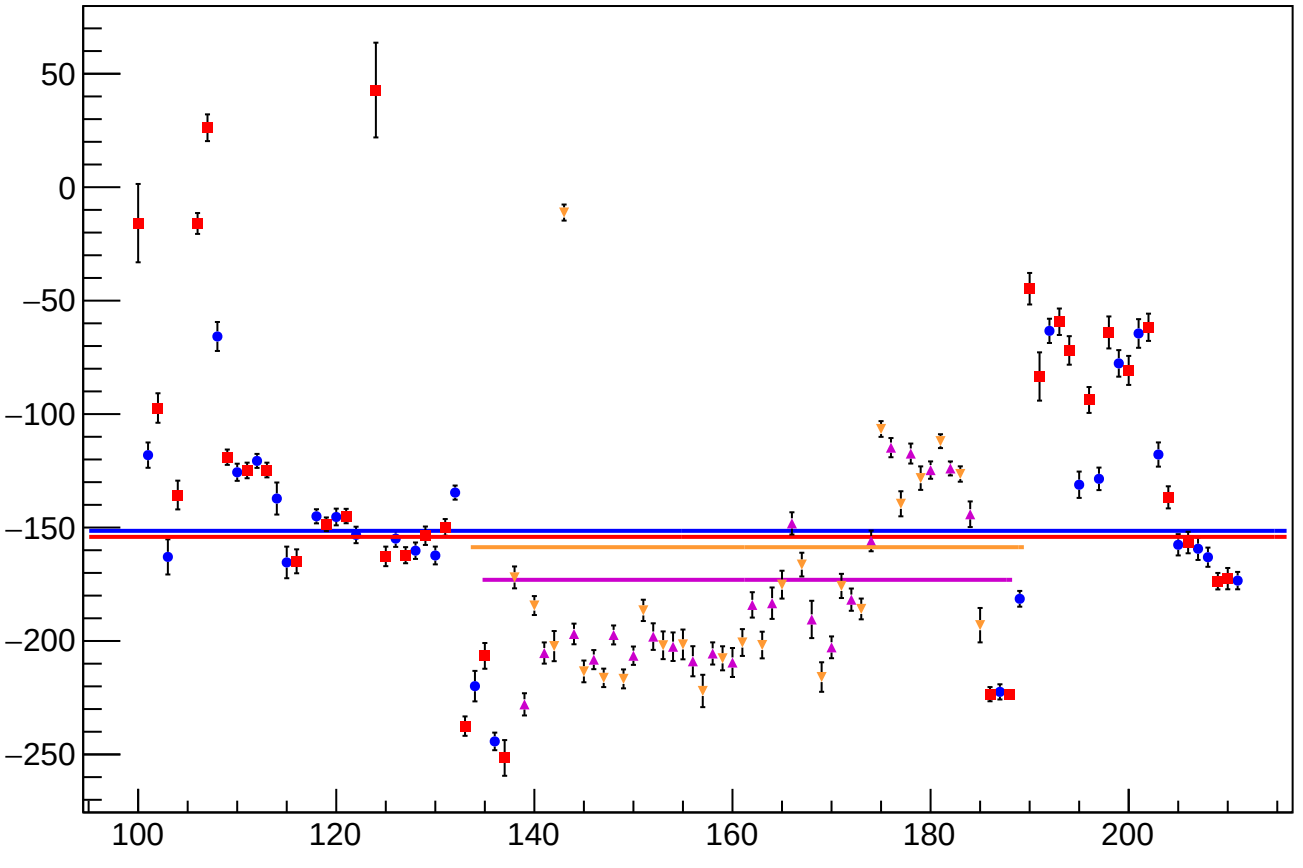
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -3.029+/-0.564 χ^2/NDF: 1499.9/60

In: 0.223+/-0.554 χ^2/NDF:1092.3/50

Out: -1.491+/-0.529 χ^2/NDF:1141.0/57

All: -0.674+/-0.383 χ^2/NDF: 2238.3/108



Right In: -151.455+/-0.809 χ^2/NDF: 2362.8/27

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -154.119+/-0.739 χ^2/NDF: 6462.1/32

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

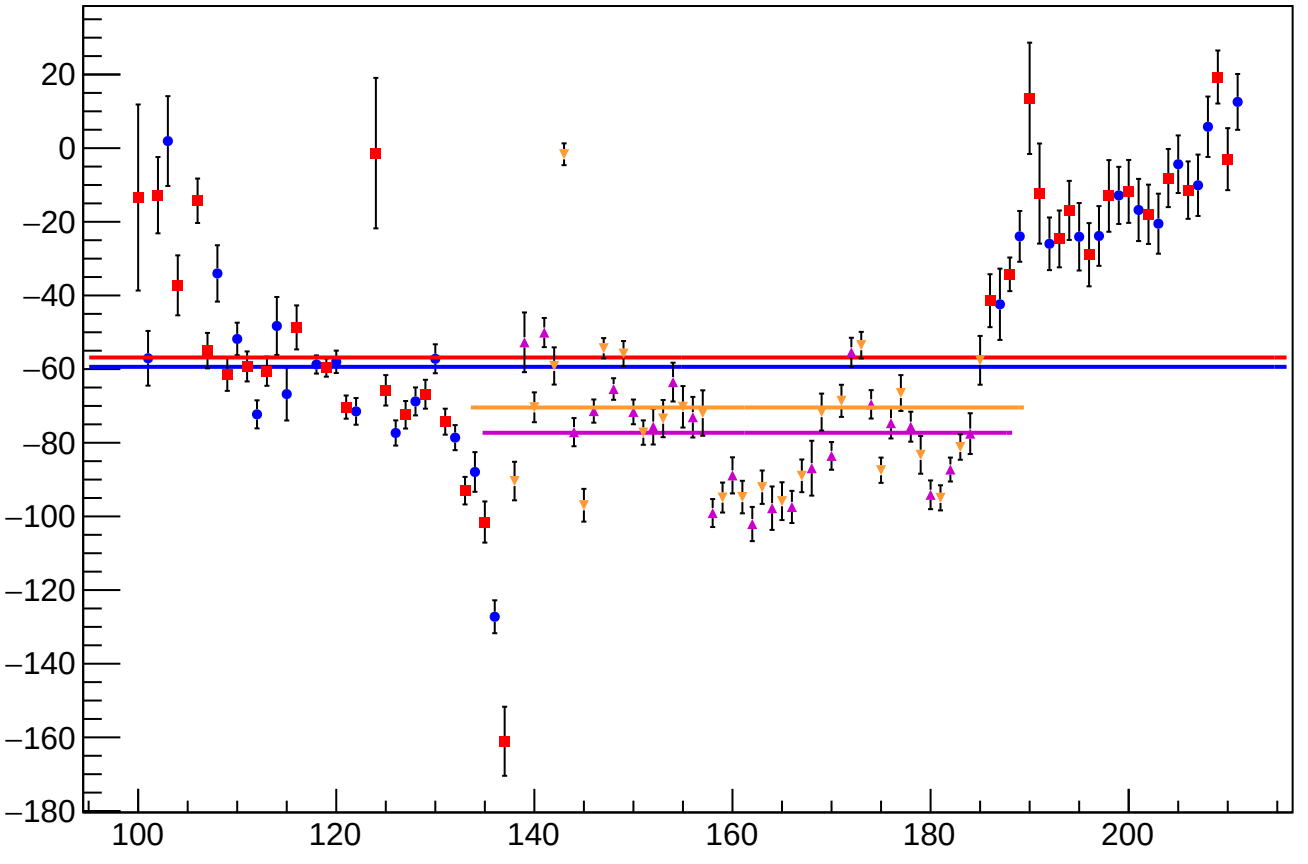
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -152.908+/-0.545 χ^2/NDF: 8830.9/60

In: -160.041+/-0.628 χ^2/NDF:4046.0/50

Out: -155.828+/-0.583 χ^2/NDF:9968.1/57

All: -157.779+/-0.427 χ^2/NDF: 14038.2/108



Right In: -59.385+/-0.943 χ^2/NDF: 796.5/27

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -56.843+/-0.920 χ^2/NDF: 852.3/32

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

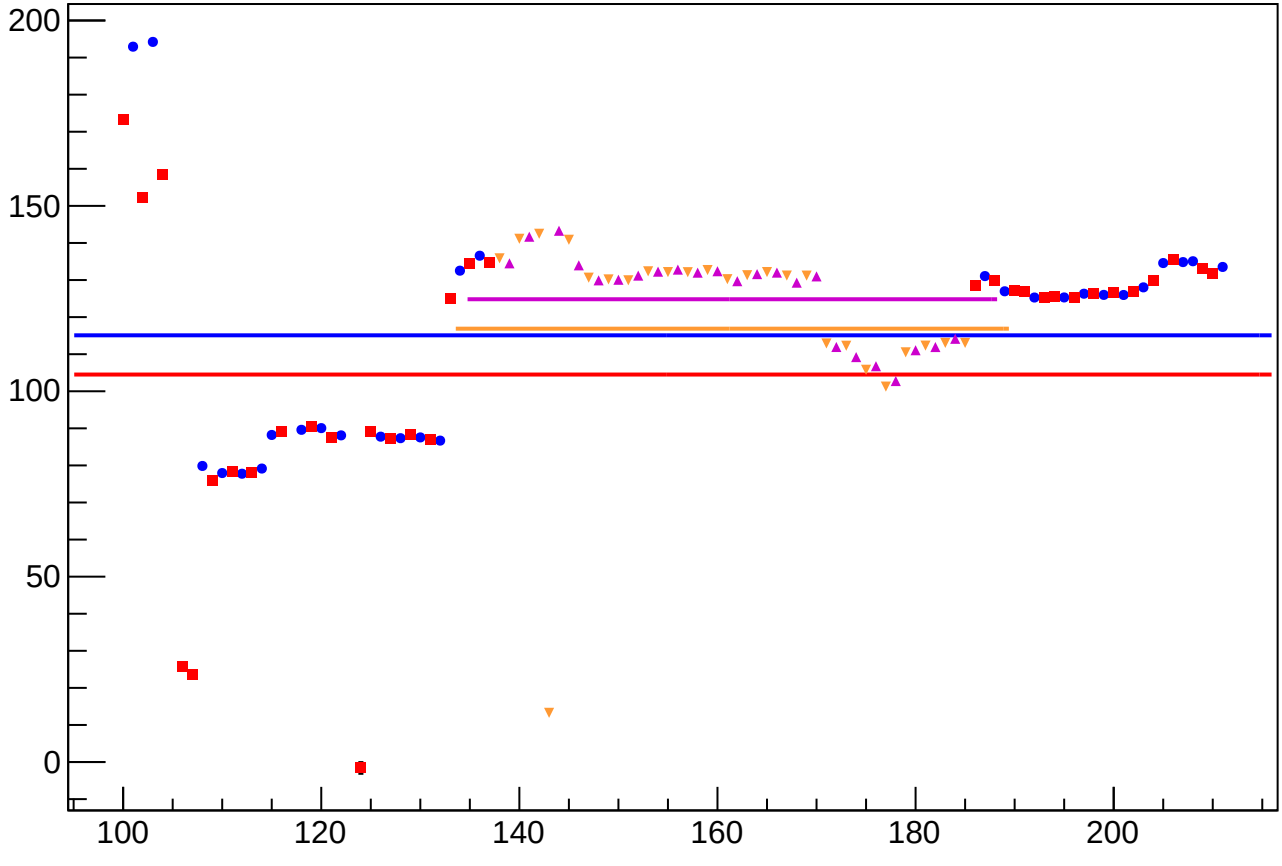
Right: -58.082+/-0.658 χ^2/NDF: 1652.5/60

In: -69.102+/-0.638 χ^2/NDF:1246.3/50

Out: -64.400+/-0.613 χ^2/NDF:1875.3/57

All: -66.656+/-0.442 χ^2/NDF: 3149.9/108

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.091+/-0.054 χ^2/NDF: 284113.3/27

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.511+/-0.050 χ^2/NDF: 533588.9/32

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

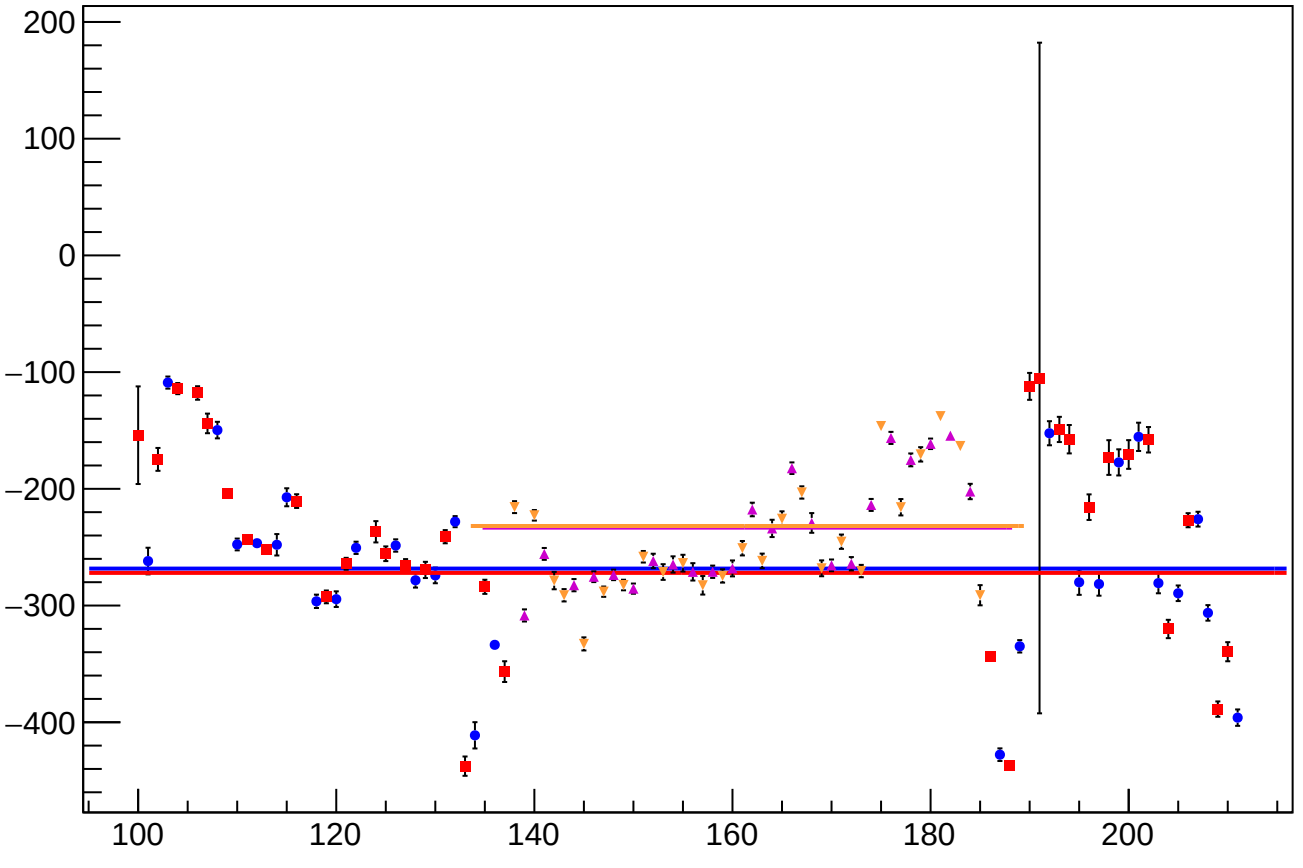
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 109.401+/-0.037 χ^2/NDF: 838330.9/60

In: 121.449+/-0.032 χ^2/NDF:393420.2/50

Out: 112.346+/-0.030 χ^2/NDF:1195344.1/57

All: 116.682+/-0.022 χ^2/NDF: 1631693.1/108



Right In: -268.345+/-1.196 χ^2/NDF: 3610.4/27

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -272.021+/-1.068 χ^2/NDF: 7907.8/32

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

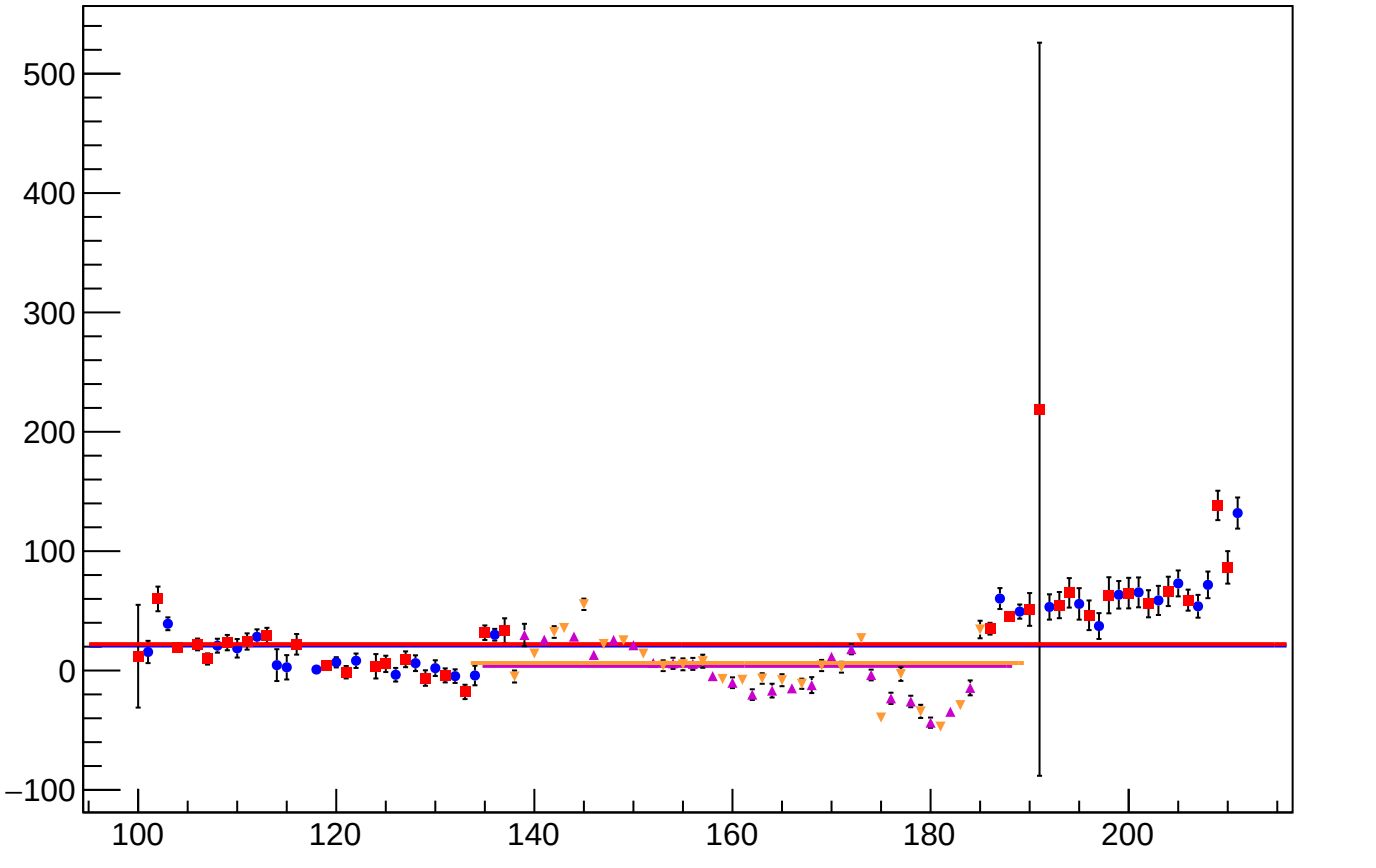
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -270.390+/-0.797 χ^2/NDF: 11523.4/60

In: -249.452+/-0.813 χ^2/NDF:6140.5/50

Out: -252.154+/-0.760 χ^2/NDF:11283.6/57

All: -250.894+/-0.555 χ^2/NDF: 17430.0/108



Right In: 20.944+/-1.312 χ^2/NDF: 356.9/27

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.109+/-1.183 χ^2/NDF: 407.8/32

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

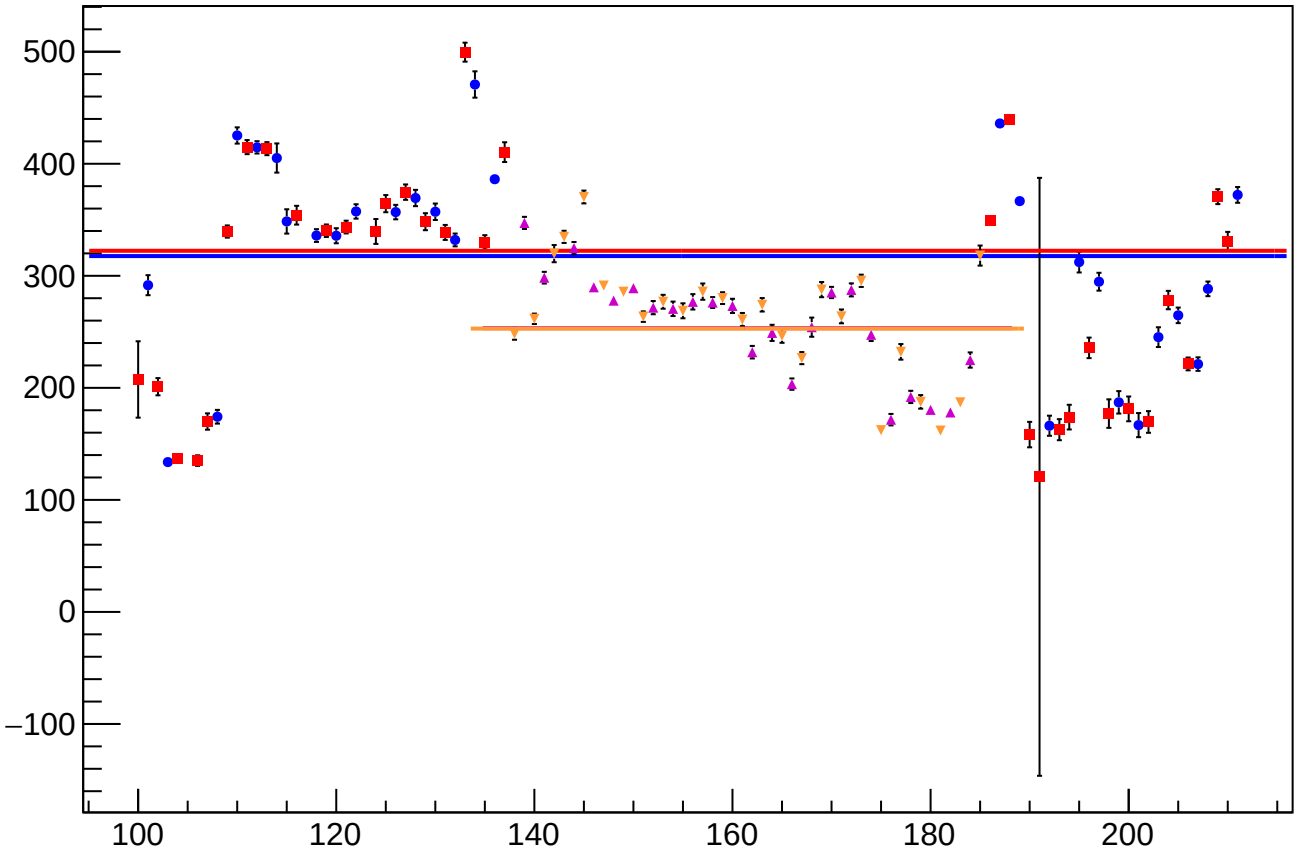
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 21.586+/-0.879 χ^2/NDF: 765.2/60

In: 8.676+/-0.694 χ^2/NDF:1128.6/50

Out: 11.159+/-0.656 χ^2/NDF:1403.0/57

All: 9.987+/-0.477 χ^2/NDF: 2538.4/108



Right In: 317.594+/-1.229 χ^2/NDF: 5744.7/27

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.354+/-1.063 χ^2/NDF: 10146.6/32

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

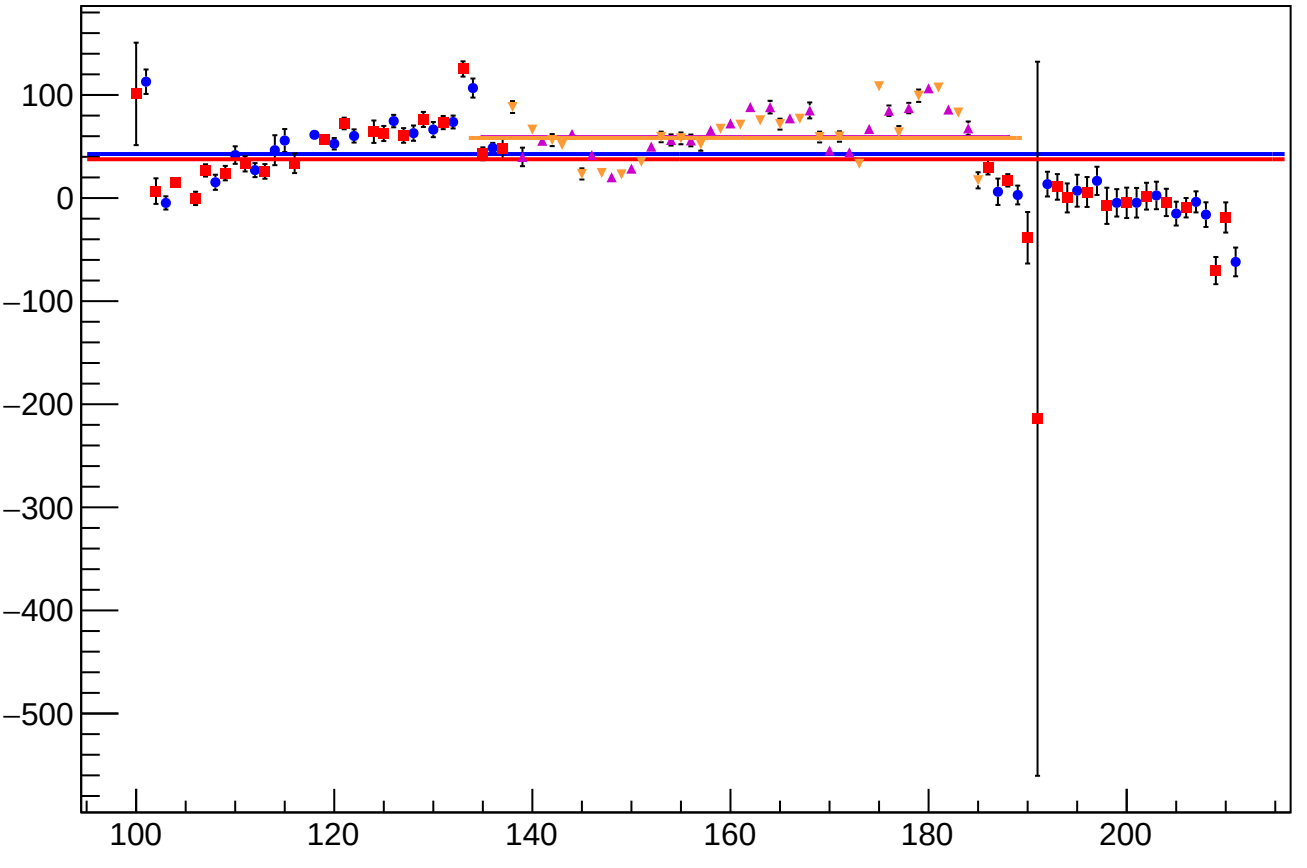
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.318+/-0.804 χ^2/NDF: 15899.9/60

In: 281.668+/-0.817 χ^2/NDF:9334.0/50

Out: 287.860+/-0.754 χ^2/NDF:14845.9/57

All: 285.011+/-0.554 χ^2/NDF: 24210.9/108



Right In: 42.699+/-1.531 χ^2/NDF: 458.2/27

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.646+/-1.415 χ^2/NDF: 535.9/32

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

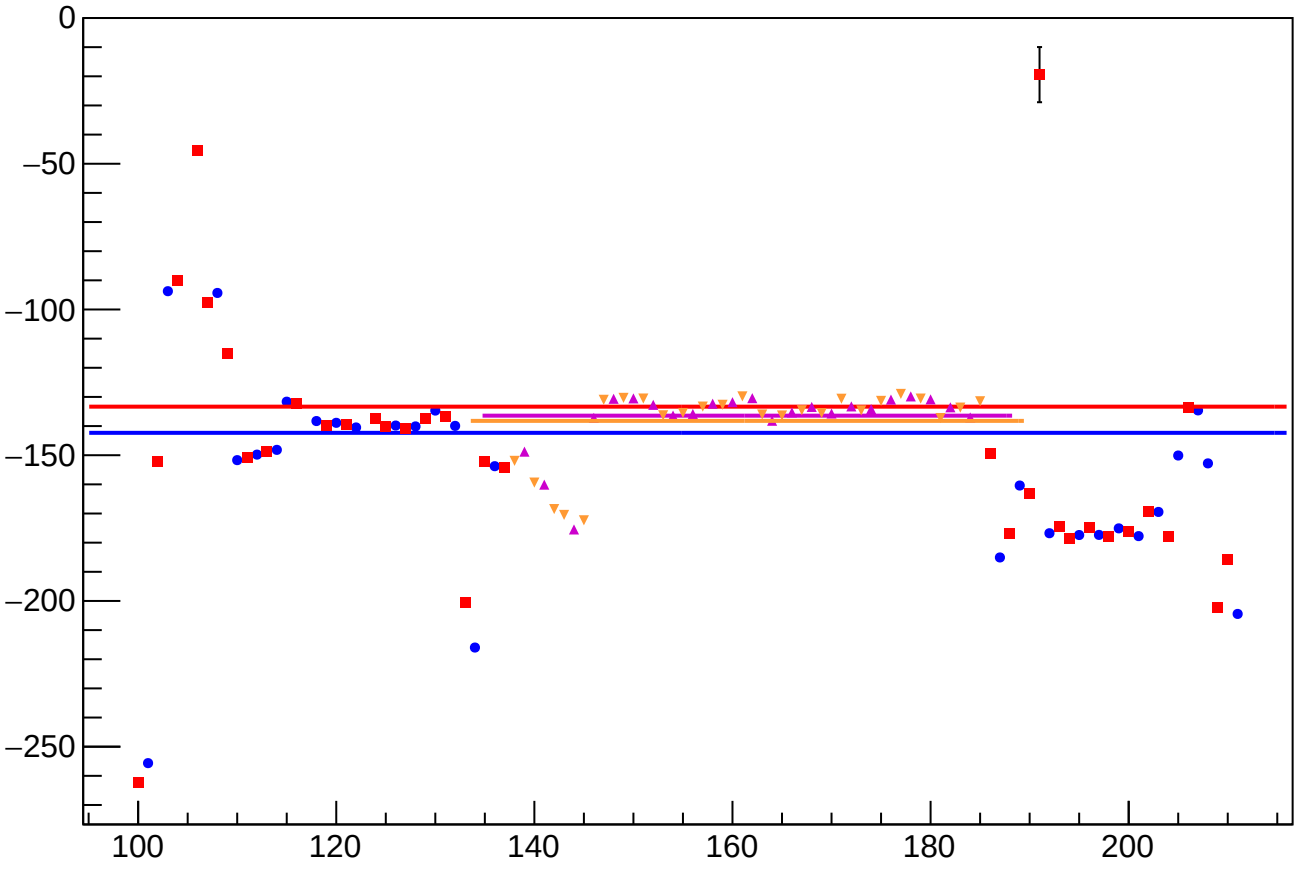
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.973+/-1.039 χ^2/NDF: 1000.0/60

In: 54.660+/-0.800 χ^2/NDF:1174.6/50

Out: 52.247+/-0.766 χ^2/NDF:1536.8/57

All: 53.401+/-0.553 χ^2/NDF: 2716.1/108



Right In: -142.319+/-0.075 χ^2/NDF: 244613.4/27

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -133.337+/-0.071 χ^2/NDF: 351965.9/32

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

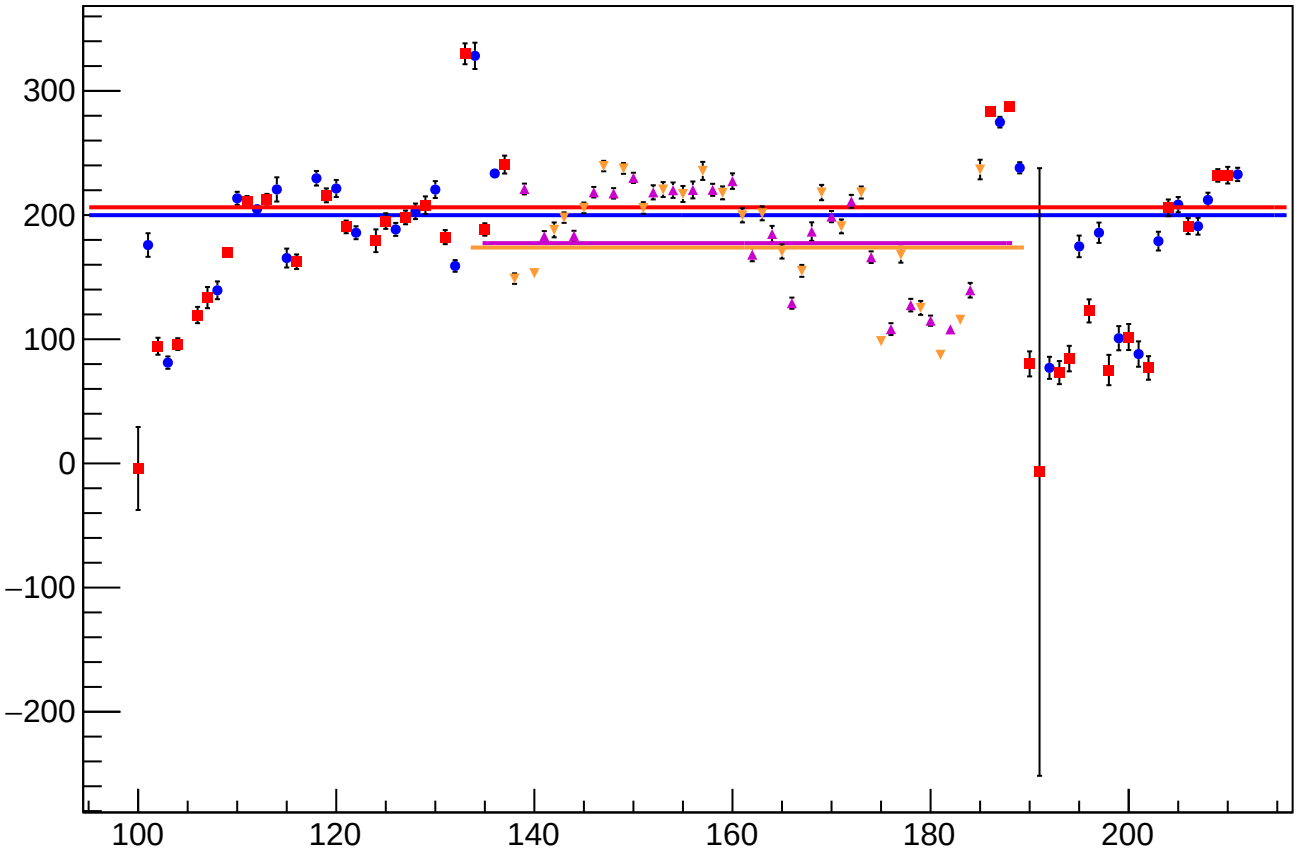
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -137.561+/-0.051 χ^2/NDF: 604195.5/60

In: -137.882+/-0.037 χ^2/NDF:299063.5/50

Out: -136.919+/-0.036 χ^2/NDF:437304.2/57

All: -137.390+/-0.026 χ^2/NDF: 736709.9/108



Right In: 199.917+/-1.118 χ^2/NDF: 1908.3/27

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 206.268+/-0.995 χ^2/NDF: 4241.2/32

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

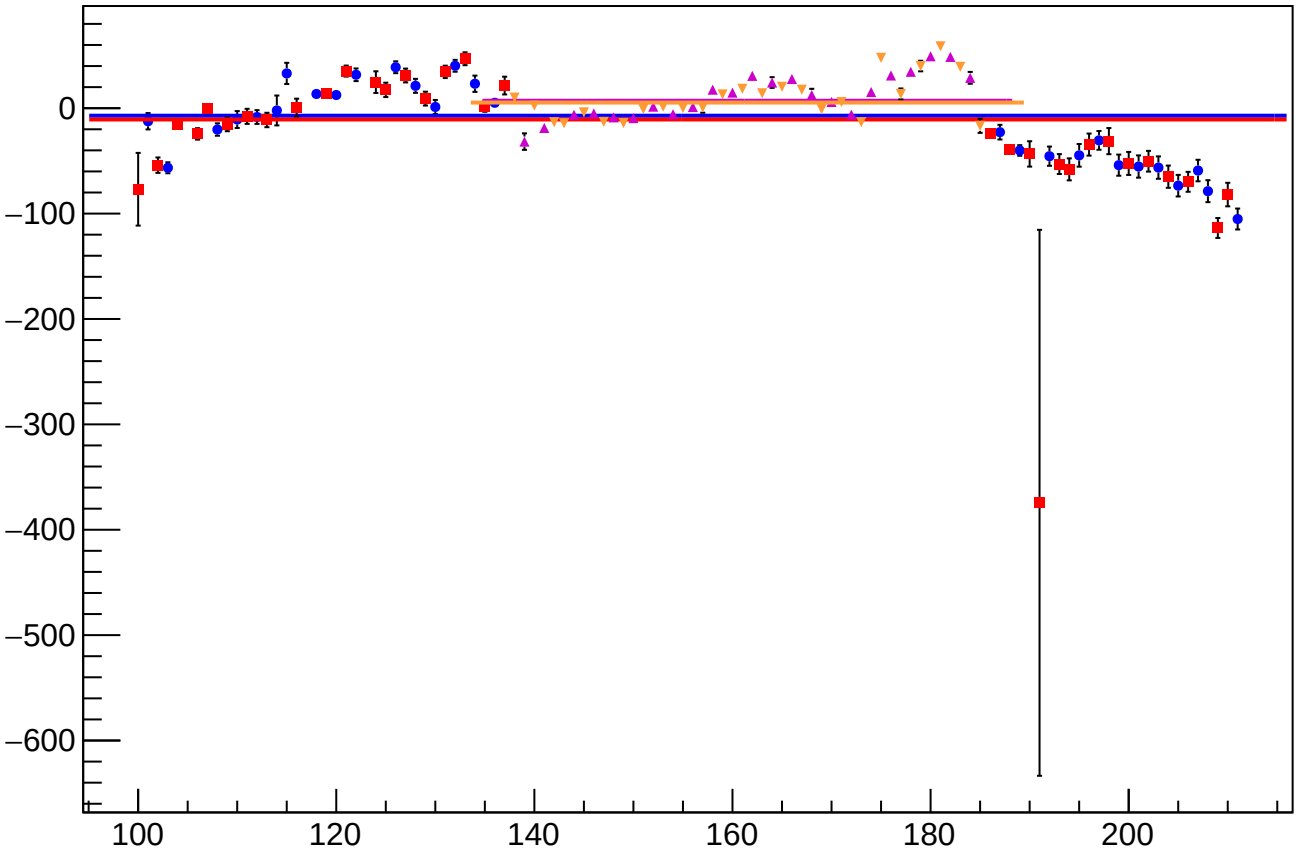
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 203.463+/-0.743 χ^2/NDF: 6167.5/60

In: 187.359+/-0.744 χ^2/NDF:4097.4/50

Out: 189.528+/-0.691 χ^2/NDF:7417.2/57

All: 188.522+/-0.506 χ^2/NDF: 11519.2/108



Right In: -7.128+/-1.250 χ^2/NDF: 750.7/27

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -10.697+/-1.124 χ^2/NDF: 824.9/32

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

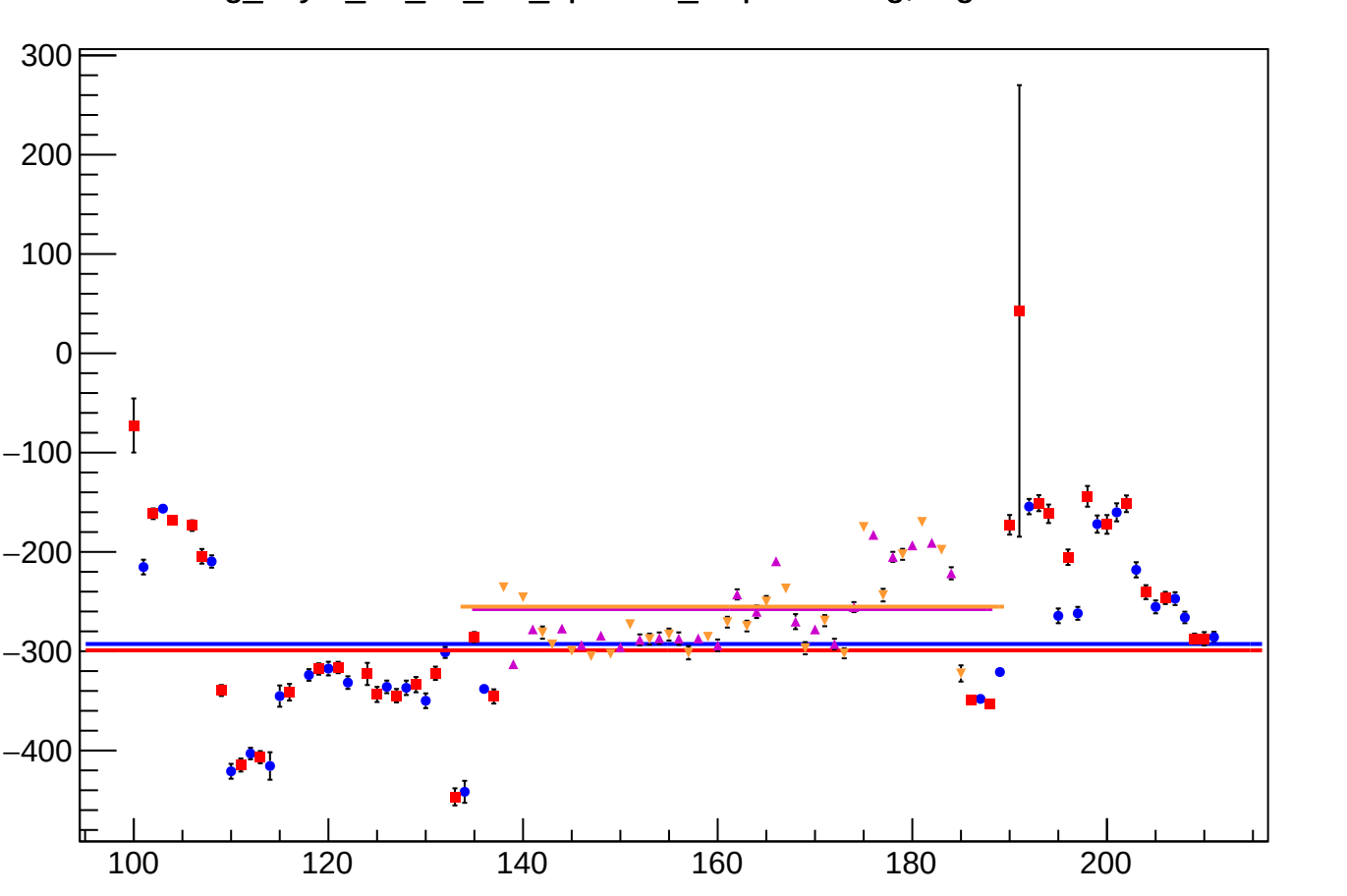
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -9.102+/-0.836 χ^2/NDF: 1580.1/60

In: 3.369+/-0.638 χ^2/NDF:1555.7/50

Out: 0.776+/-0.600 χ^2/NDF:1780.8/57

All: 1.995+/-0.437 χ^2/NDF: 3345.2/108



Right In: -292.731+/-1.123 χ^2/NDF: 4103.2/27

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.069+/-0.963 χ^2/NDF: 6711.5/32

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

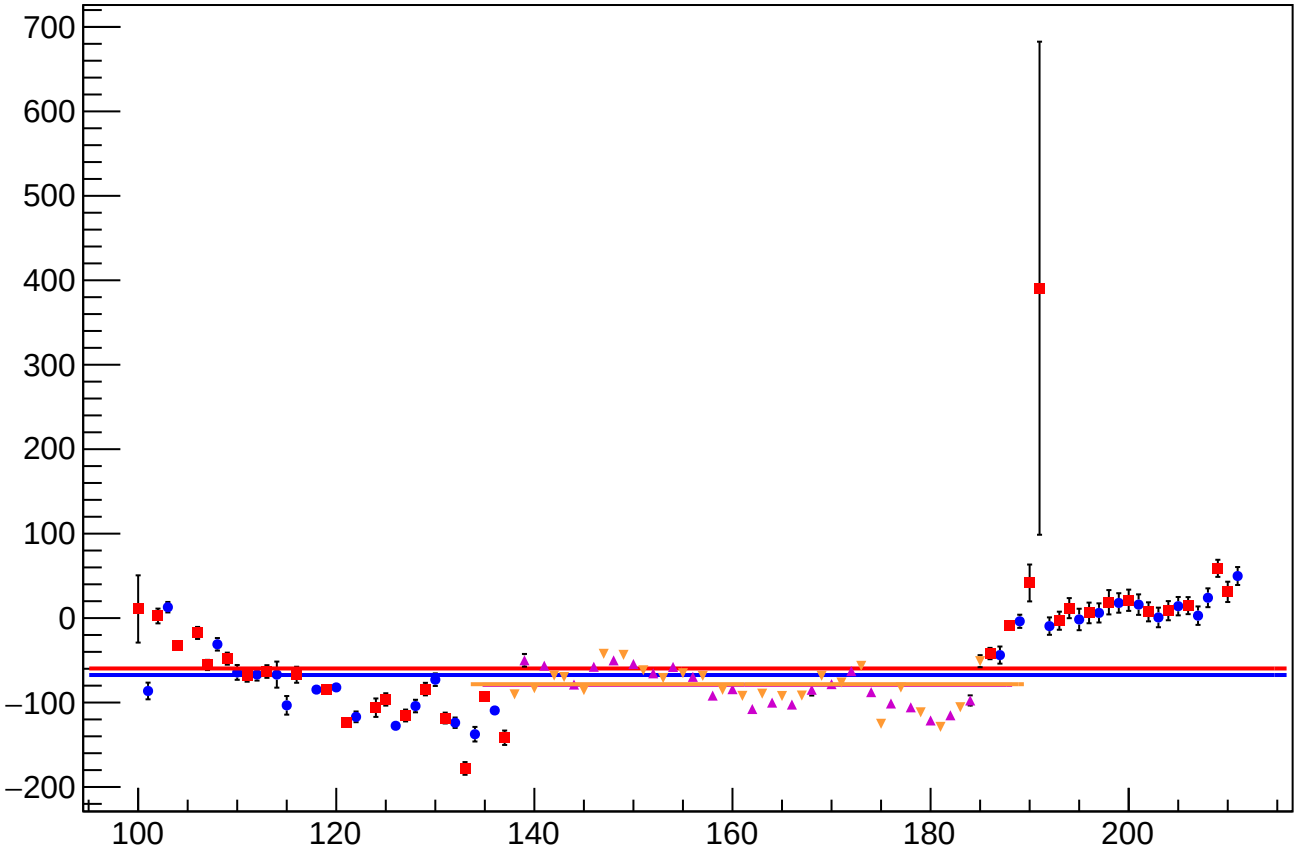
Right: -296.384+/-0.731 χ^2/NDF: 10833.1/60

In: -272.872+/-0.740 χ^2/NDF:6464.4/50

Out: -276.945+/-0.679 χ^2/NDF:10105.0/57

All: -275.086+/-0.500 χ^2/NDF: 16585.9/108

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.400+/-1.458 χ^2/NDF: 1263.8/27

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -59.656+/-1.349 χ^2/NDF: 1488.6/32

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

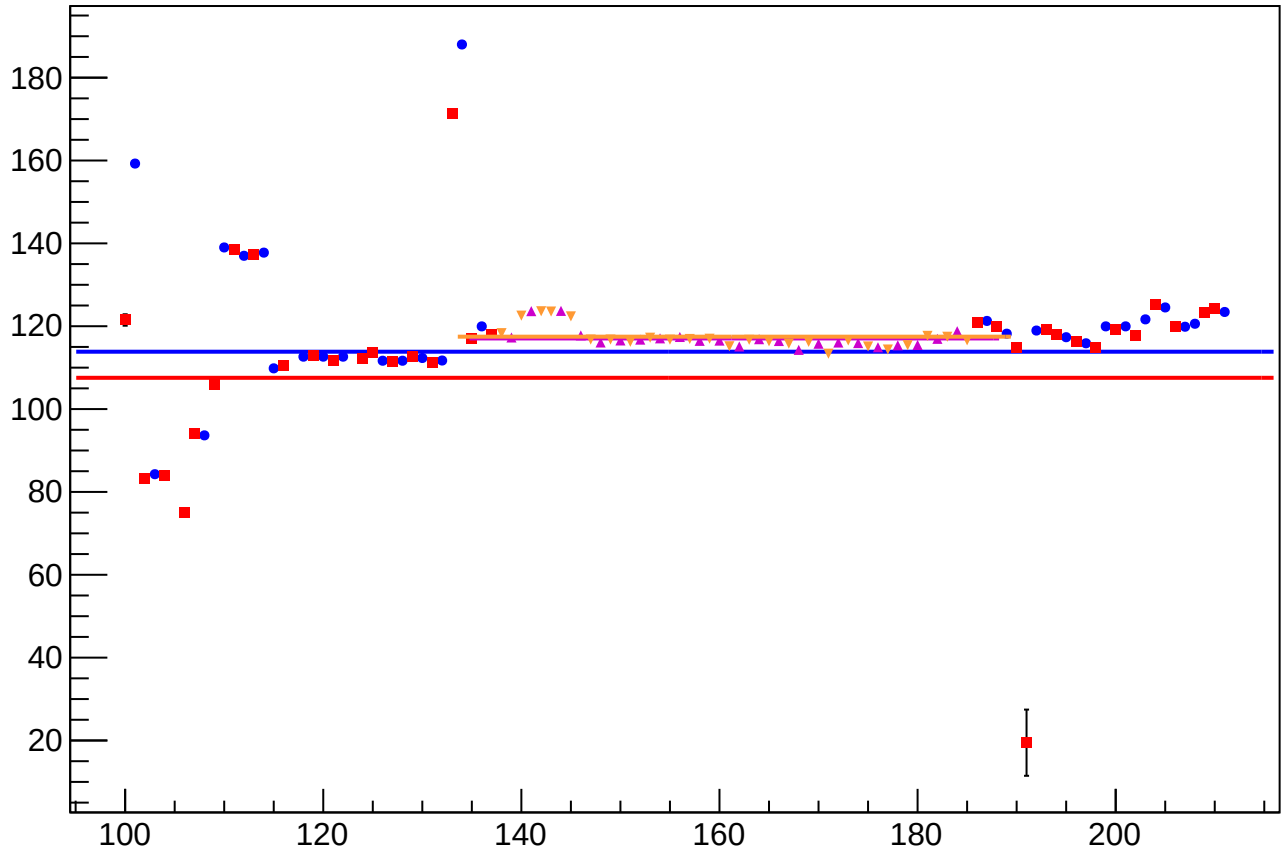
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -63.227+/-0.990 χ^2/NDF: 2767.6/60

In: -76.114+/-0.734 χ^2/NDF:2014.3/50

Out: -73.277+/-0.700 χ^2/NDF:2496.2/57

All: -74.629+/-0.506 χ^2/NDF: 4518.3/108



Right In: 113.846+/-0.069 χ^2/NDF: 87785.4/27

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.549+/-0.065 χ^2/NDF: 81141.5/32

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

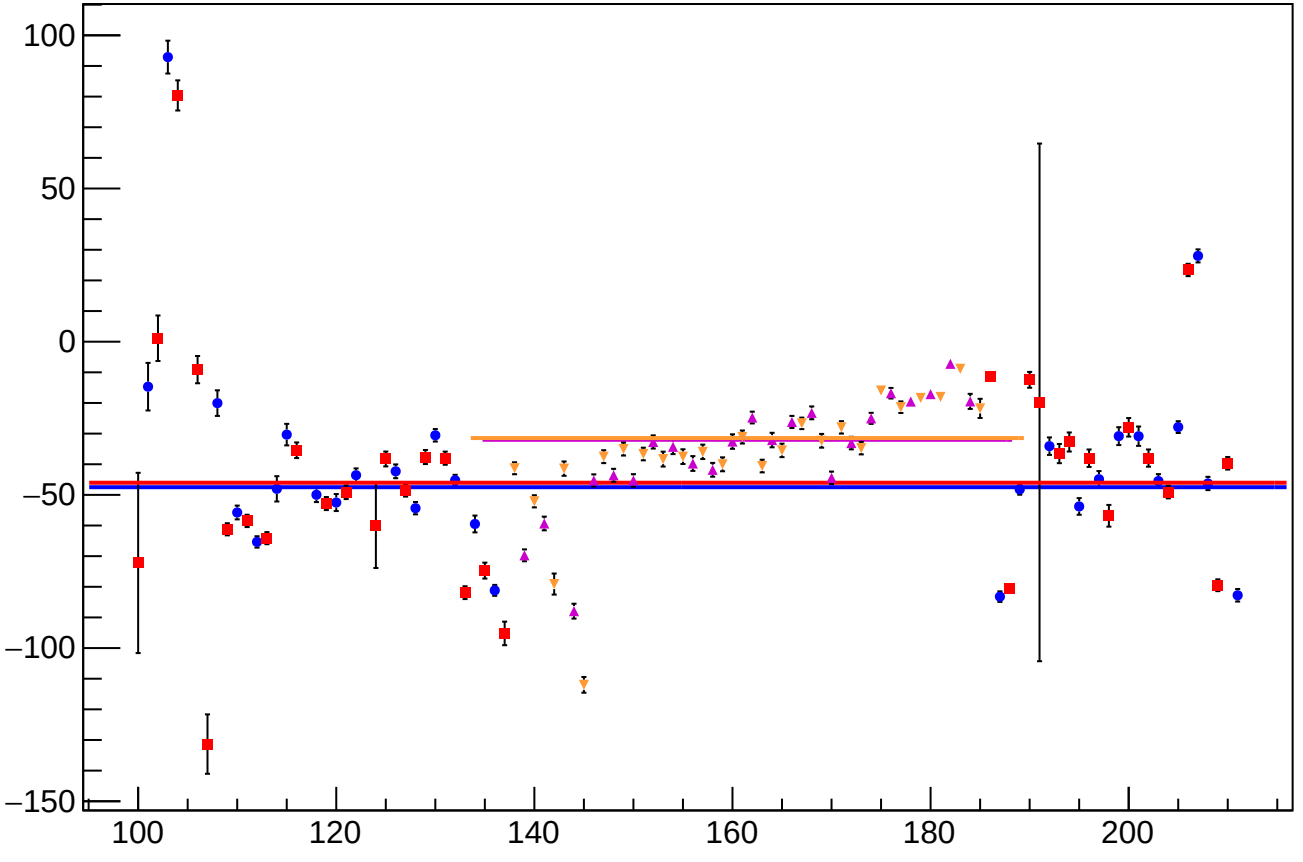
Right: 110.494+/-0.047 χ^2/NDF: 173349.8/60

In: 116.285+/-0.034 χ^2/NDF:92763.0/50

Out: 114.933+/-0.033 χ^2/NDF:103362.3/57

All: 115.590+/-0.023 χ^2/NDF: 196951.7/108

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.492+/-0.442 χ^2/NDF: 3513.8/27

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.030+/-0.395 χ^2/NDF: 5706.0/32

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

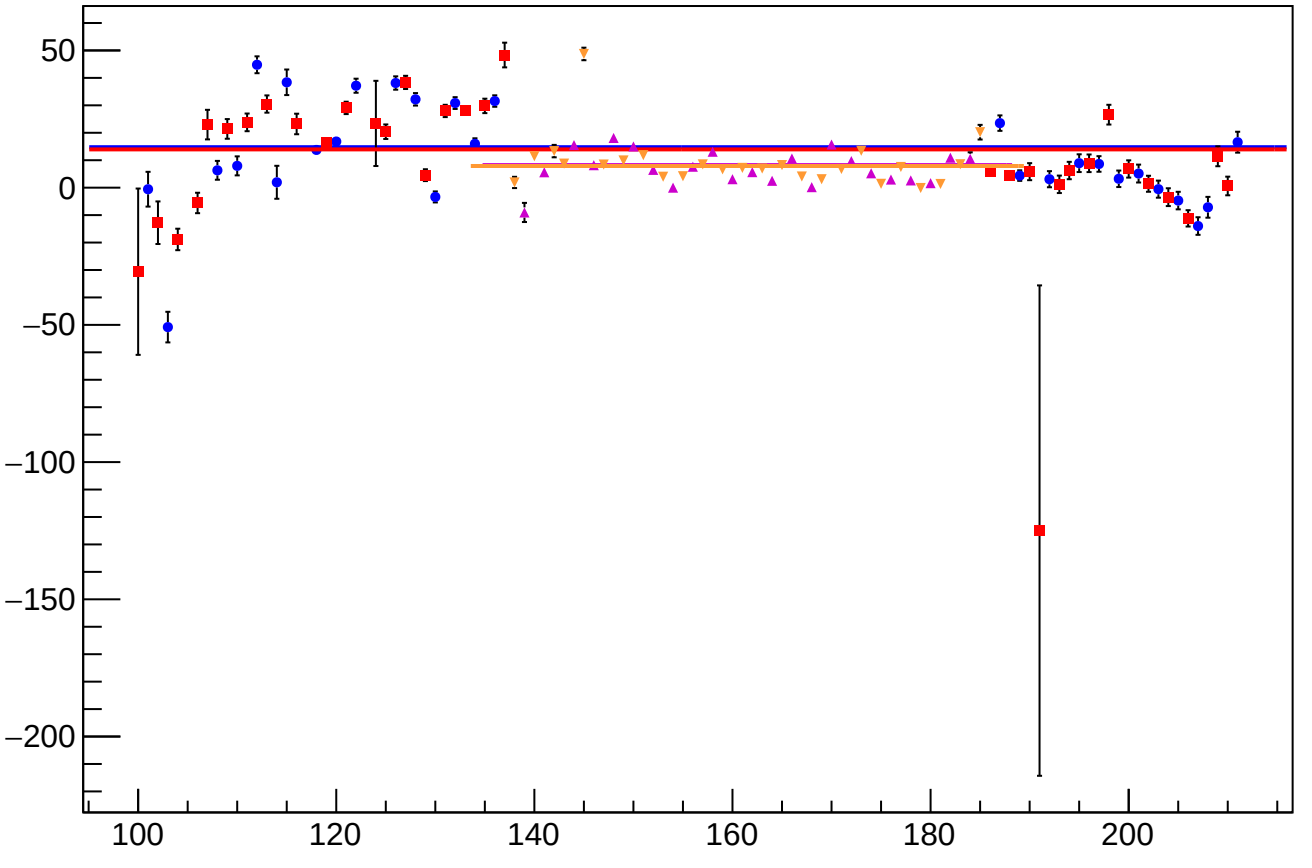
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.679+/-0.295 χ^2/NDF: 9225.9/60

In: -39.150+/-0.300 χ^2/NDF:6087.0/50

Out: -38.811+/-0.281 χ^2/NDF:8372.4/57

All: -38.969+/-0.205 χ^2/NDF: 14460.1/108



Right In: 14.746+/-0.497 χ^2/NDF: 972.8/27

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.945+/-0.458 χ^2/NDF: 829.0/32

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

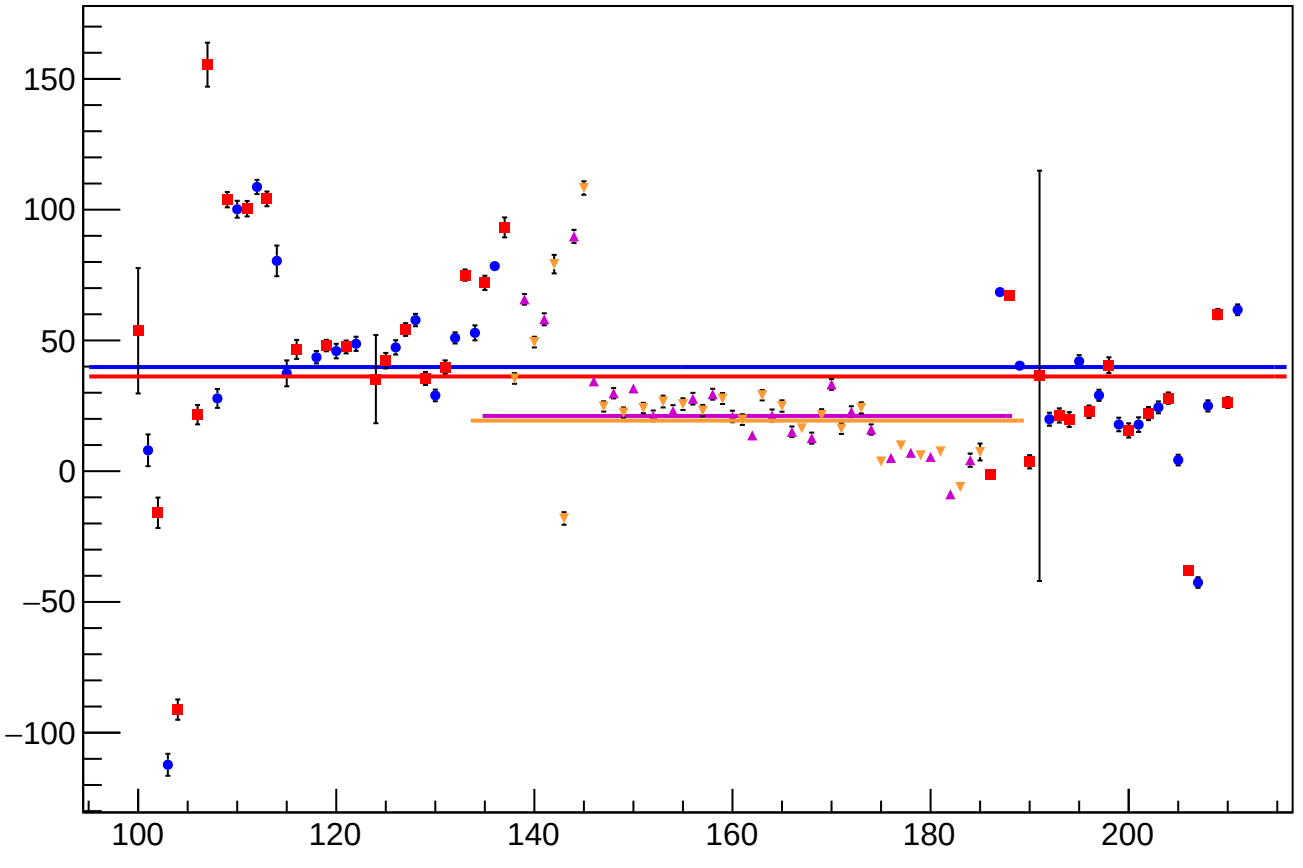
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 14.313+/-0.337 χ^2/NDF: 1803.2/60

In: 10.096+/-0.266 χ^2/NDF:1434.3/50

Out: 9.747+/-0.253 χ^2/NDF:1440.7/57

All: 9.912+/-0.184 χ^2/NDF: 2875.9/108



Right In: 39.813+/-0.448 χ^2/NDF: 5789.8/27

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 36.217+/-0.380 χ^2/NDF: 9283.0/32

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

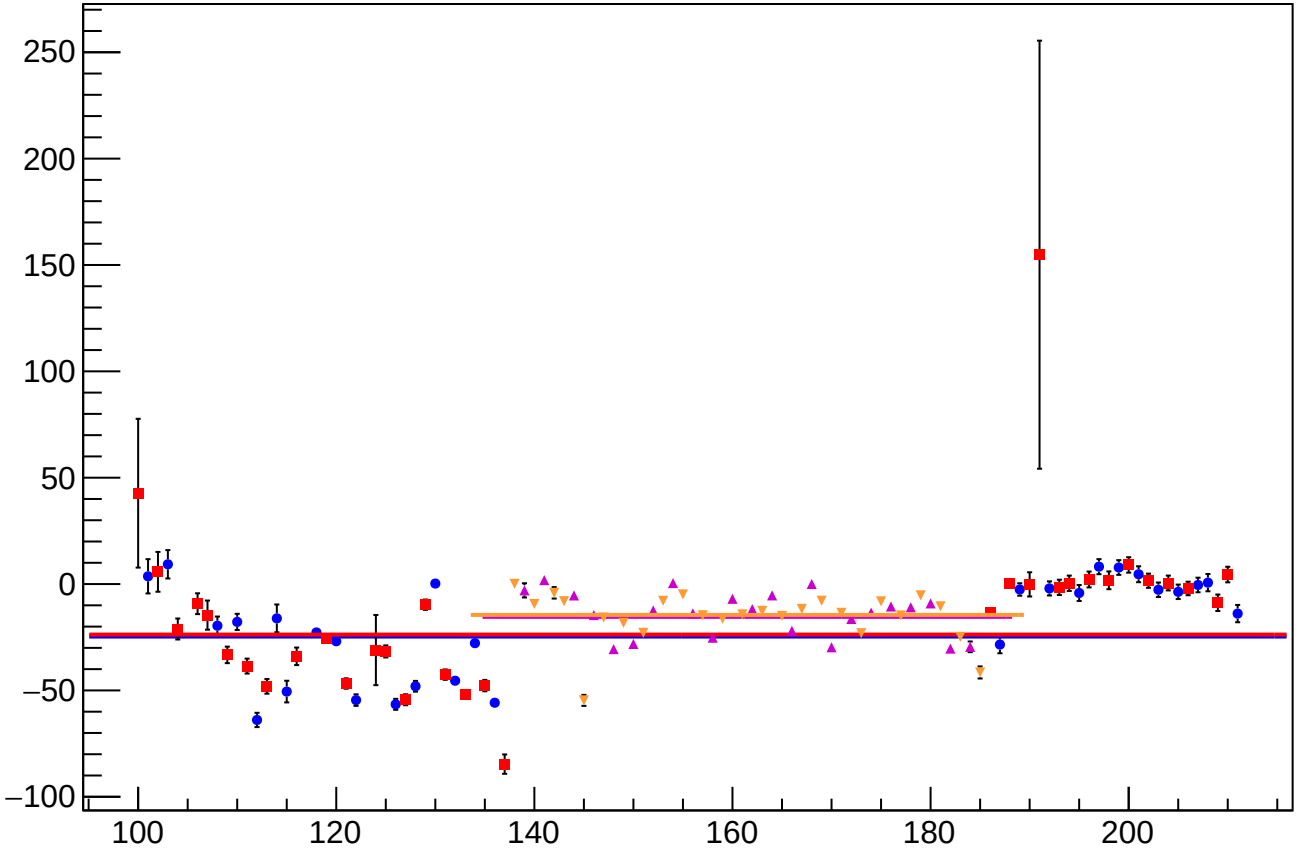
Right: 37.721+/-0.290 χ^2/NDF: 15110.3/60

In: 29.529+/-0.300 χ^2/NDF:9253.4/50

Out: 28.124+/-0.274 χ^2/NDF:12912.9/57

All: 28.762+/-0.202 χ^2/NDF: 22178.3/108

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.682+/-0.578 χ^2/NDF: 1540.6/27

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -23.750+/-0.552 χ^2/NDF: 1582.9/32

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

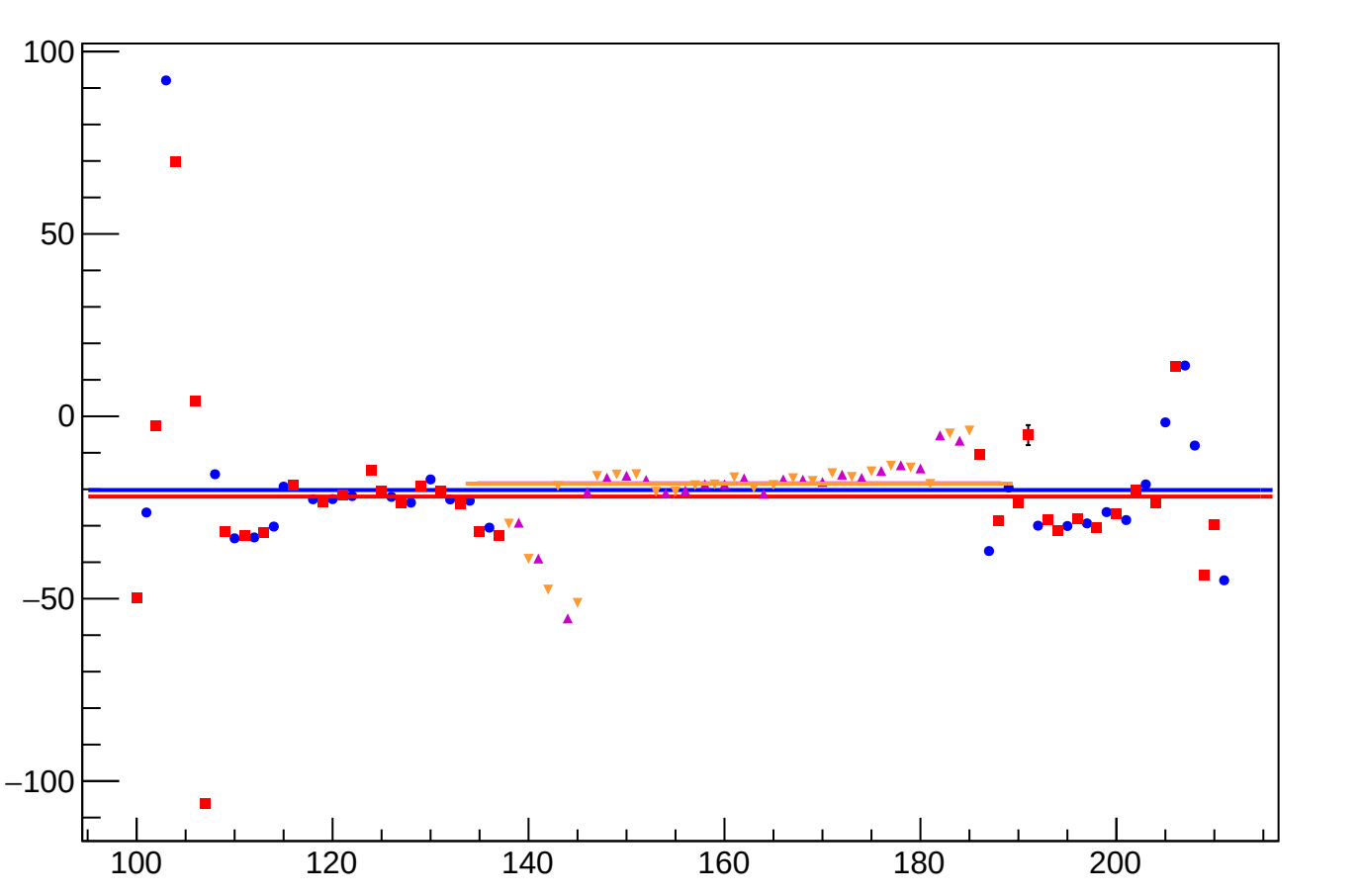
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -24.195+/-0.399 χ^2/NDF: 3124.9/60

In: -17.957+/-0.303 χ^2/NDF:2525.8/50

Out: -17.087+/-0.292 χ^2/NDF:2426.0/57

All: -17.506+/-0.210 χ^2/NDF: 4956.0/108



Right In: -20.210+/-0.028 χ^2/NDF: 572263.9/27

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.008+/-0.027 χ^2/NDF: 483143.9/32

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

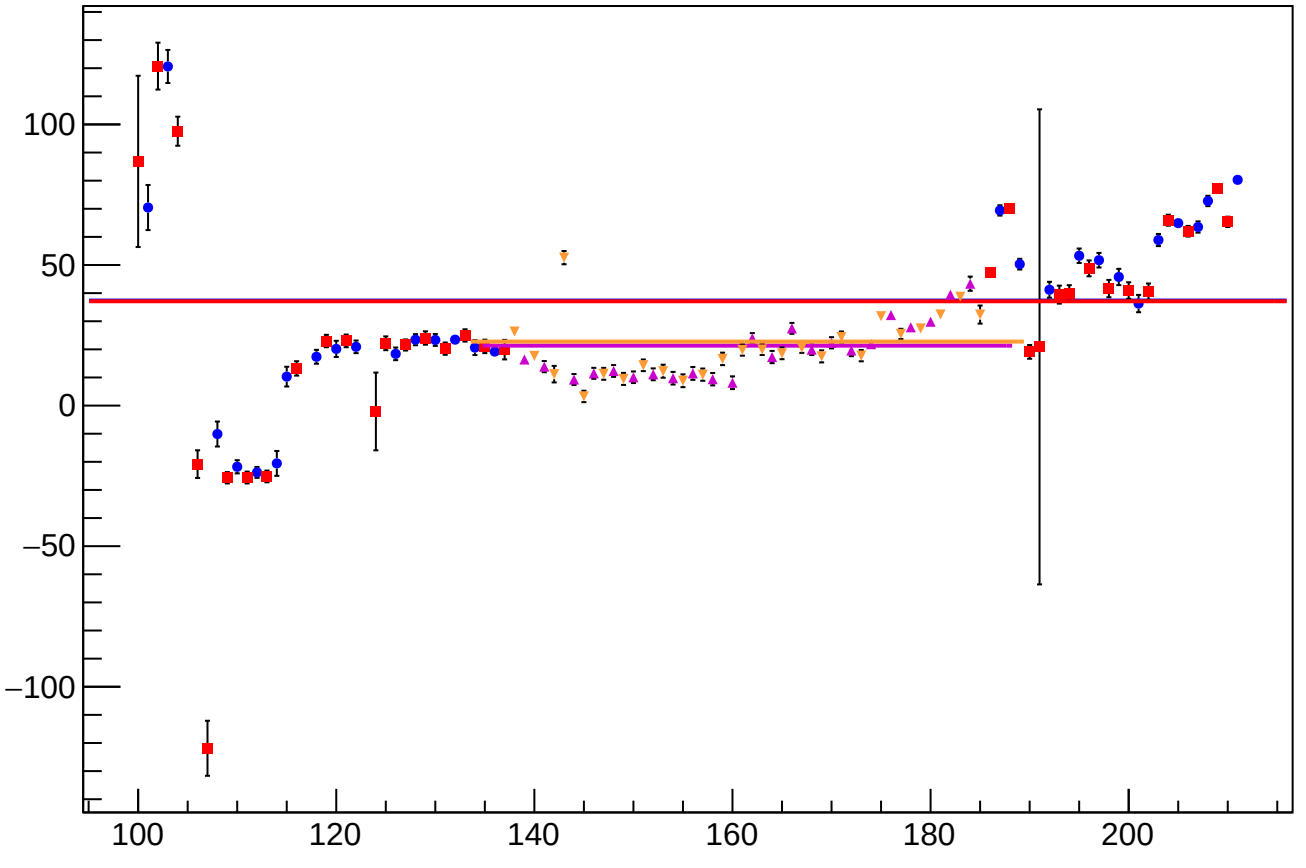
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.131+/-0.020 χ^2/NDF: 1057518.8/60

In: -18.818+/-0.014 χ^2/NDF:825553.4/50

Out: -19.314+/-0.013 χ^2/NDF:791338.2/57

All: -19.071+/-0.010 χ^2/NDF: 1617557.0/108



Right In: 37.355+/-0.435 χ^2/NDF: 4656.4/27

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 37.109+/-0.402 χ^2/NDF: 6177.0/32

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

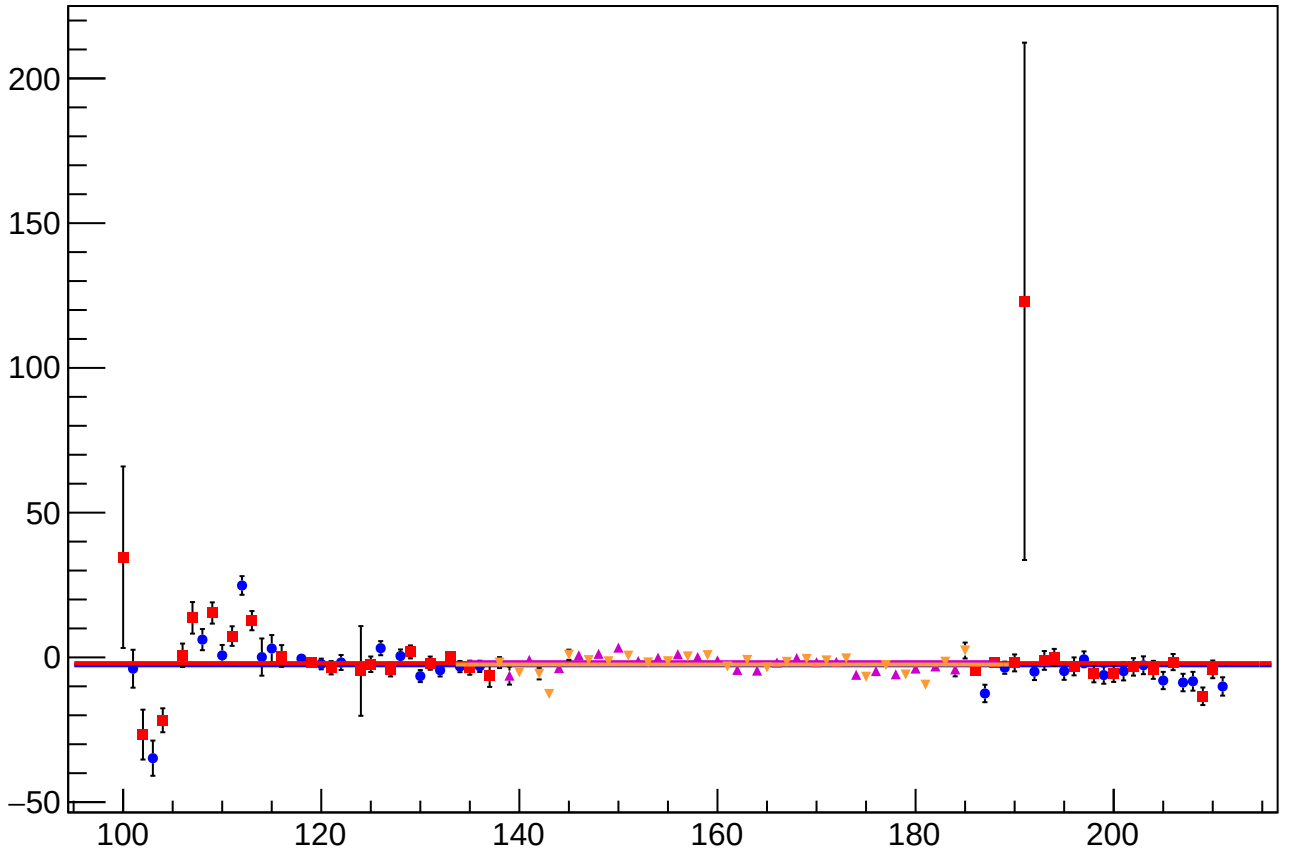
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 37.222+/-0.295 χ^2/NDF: 10833.6/60

In: 28.521+/-0.292 χ^2/NDF:6034.1/50

Out: 29.578+/-0.277 χ^2/NDF:7567.2/57

All: 29.076+/-0.201 χ^2/NDF: 13608.2/108



Right In: -2.732+/-0.498 χ^2/NDF: 153.3/27

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.969+/-0.471 χ^2/NDF: 121.7/32

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

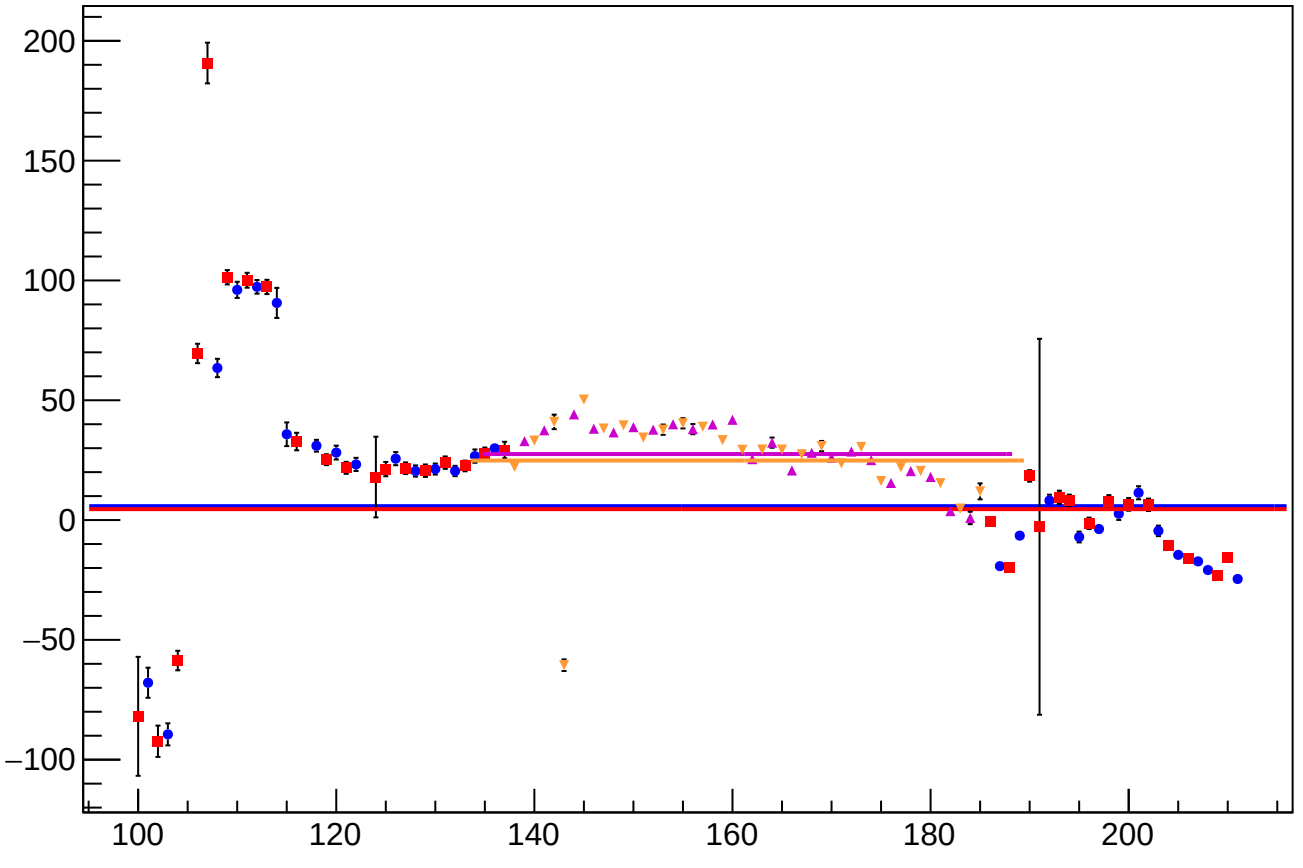
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.329+/-0.342 χ^2/NDF: 276.2/60

In: -1.951+/-0.259 χ^2/NDF:226.9/50

Out: -2.329+/-0.249 χ^2/NDF:239.2/57

All: -2.148+/-0.180 χ^2/NDF: 467.1/108



Right In: 5.796+/-0.442 χ^2/NDF: 4613.7/27

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 4.556+/-0.392 χ^2/NDF: 6193.7/32

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

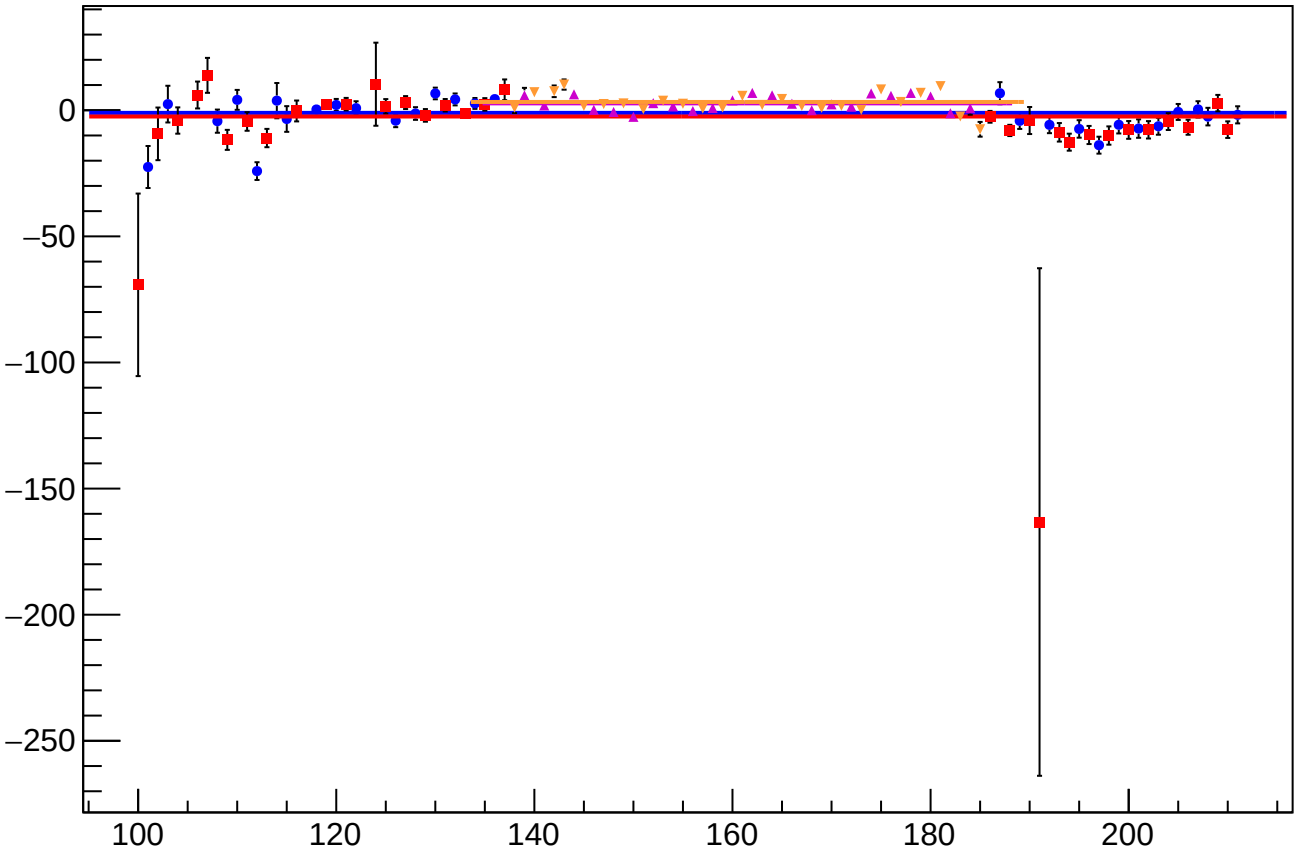
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 5.103+/-0.293 χ^2/NDF: 10811.8/60

In: 18.052+/-0.292 χ^2/NDF:6862.0/50

Out: 15.033+/-0.273 χ^2/NDF:9623.8/57

All: 16.441+/-0.199 χ^2/NDF: 16542.9/108



Right In: -1.038+/-0.573 χ^2/NDF: 115.9/27

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.478+/-0.560 χ^2/NDF: 96.4/32

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

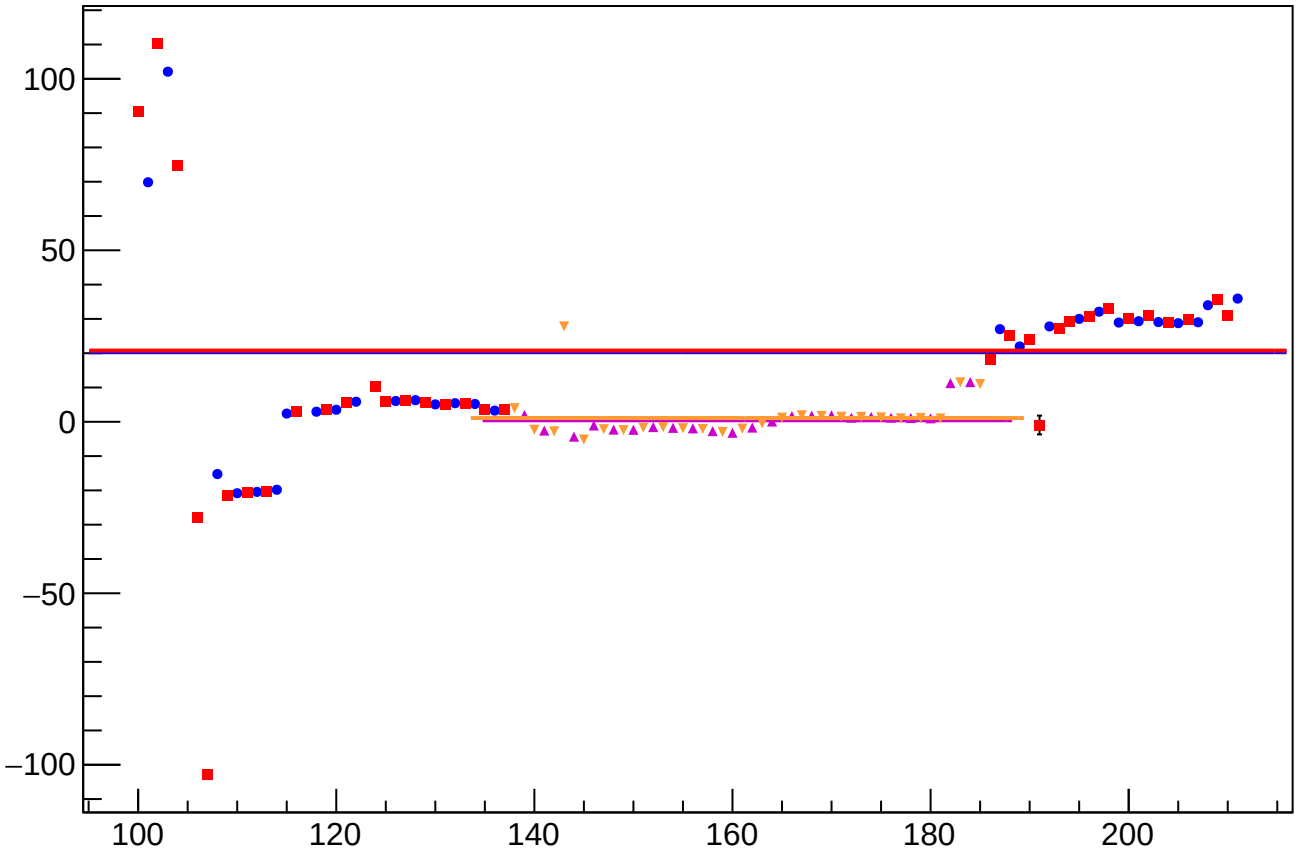
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.775+/-0.401 χ^2/NDF: 215.5/60

In: 1.741+/-0.294 χ^2/NDF:222.3/50

Out: 1.793+/-0.285 χ^2/NDF:281.1/57

All: 1.768+/-0.205 χ^2/NDF: 503.4/108



Right In: 20.285+/-0.027 χ^2/NDF: 493455.3/27

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 20.759+/-0.027 χ^2/NDF: 638831.1/32

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

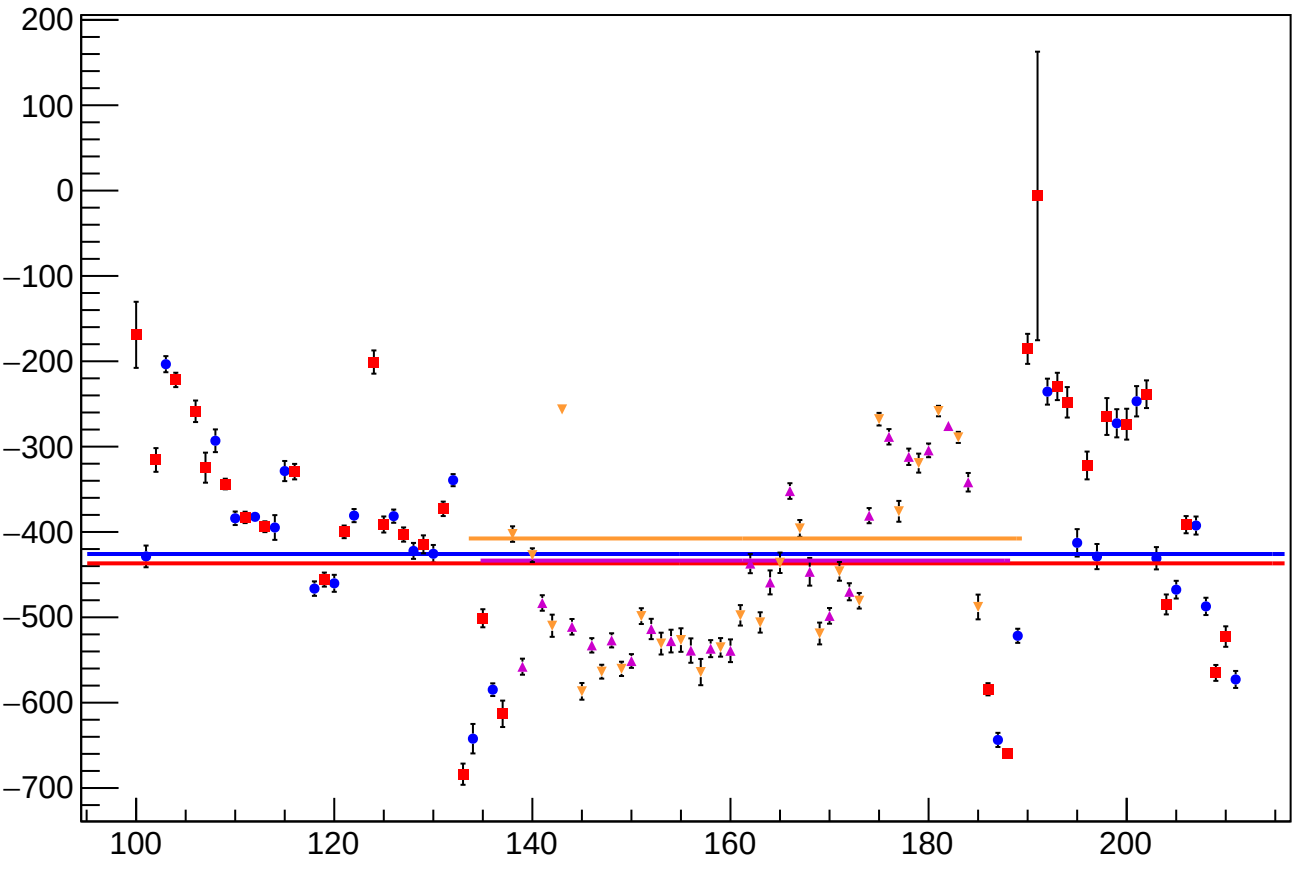
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 20.525+/-0.019 χ^2/NDF: 1132439.0/60

In: 5.089+/-0.013 χ^2/NDF:951974.0/50

Out: 5.670+/-0.013 χ^2/NDF:1176384.7/57

All: 5.384+/-0.009 χ^2/NDF: 2129342.0/108



Right In: -425.817+/-1.848 χ^2/NDF: 3125.1/27

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -436.770+/-1.686 χ^2/NDF: 6600.9/32

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

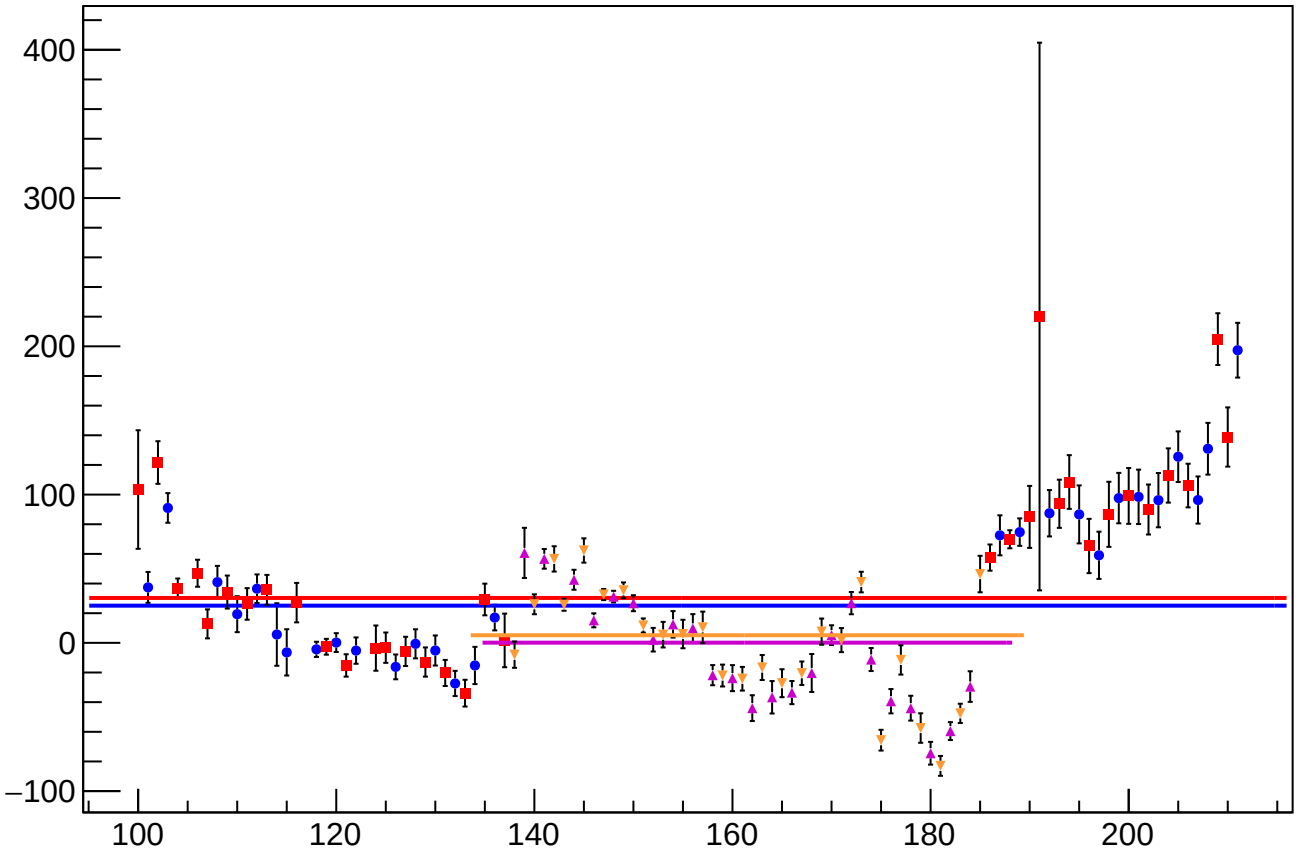
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -431.796+/-1.246 χ^2/NDF: 9745.1/60

In: -429.383+/-1.355 χ^2/NDF:5857.7/50

Out: -423.682+/-1.252 χ^2/NDF:10740.7/57

All: -426.306+/-0.920 χ^2/NDF: 16607.9/108



Right In: 25.088+/-2.017 χ^2/NDF: 502.4/27

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 30.285+/-1.887 χ^2/NDF: 566.8/32

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

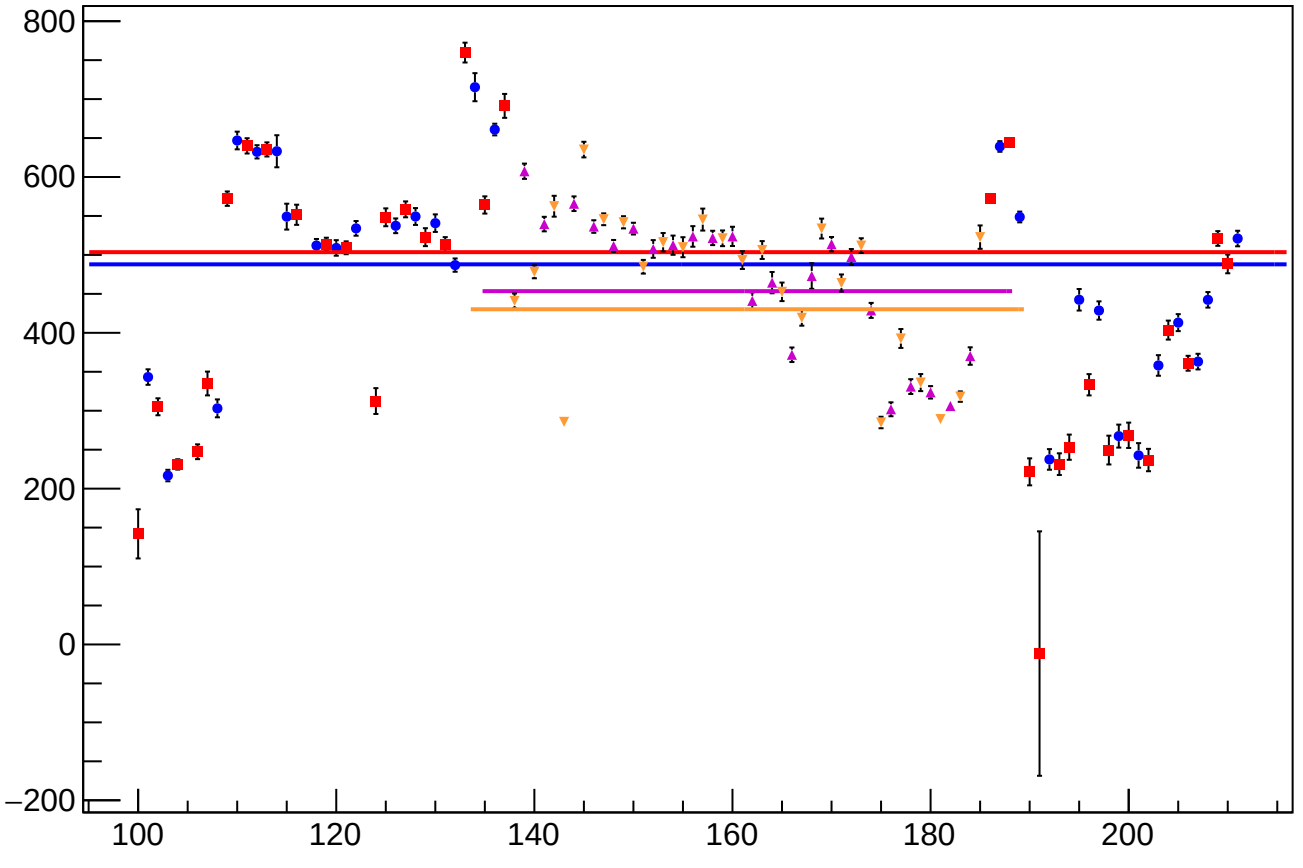
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 27.859+/-1.378 χ^2/NDF: 1072.8/60

In: 8.934+/-1.198 χ^2/NDF:1170.1/50

Out: 13.881+/-1.113 χ^2/NDF:1371.9/57

All: 11.589+/-0.815 χ^2/NDF: 2551.2/108



Right In: 487.905+/-1.910 χ^2/NDF: 4926.0/27

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.544+/-1.690 χ^2/NDF: 8071.9/32

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

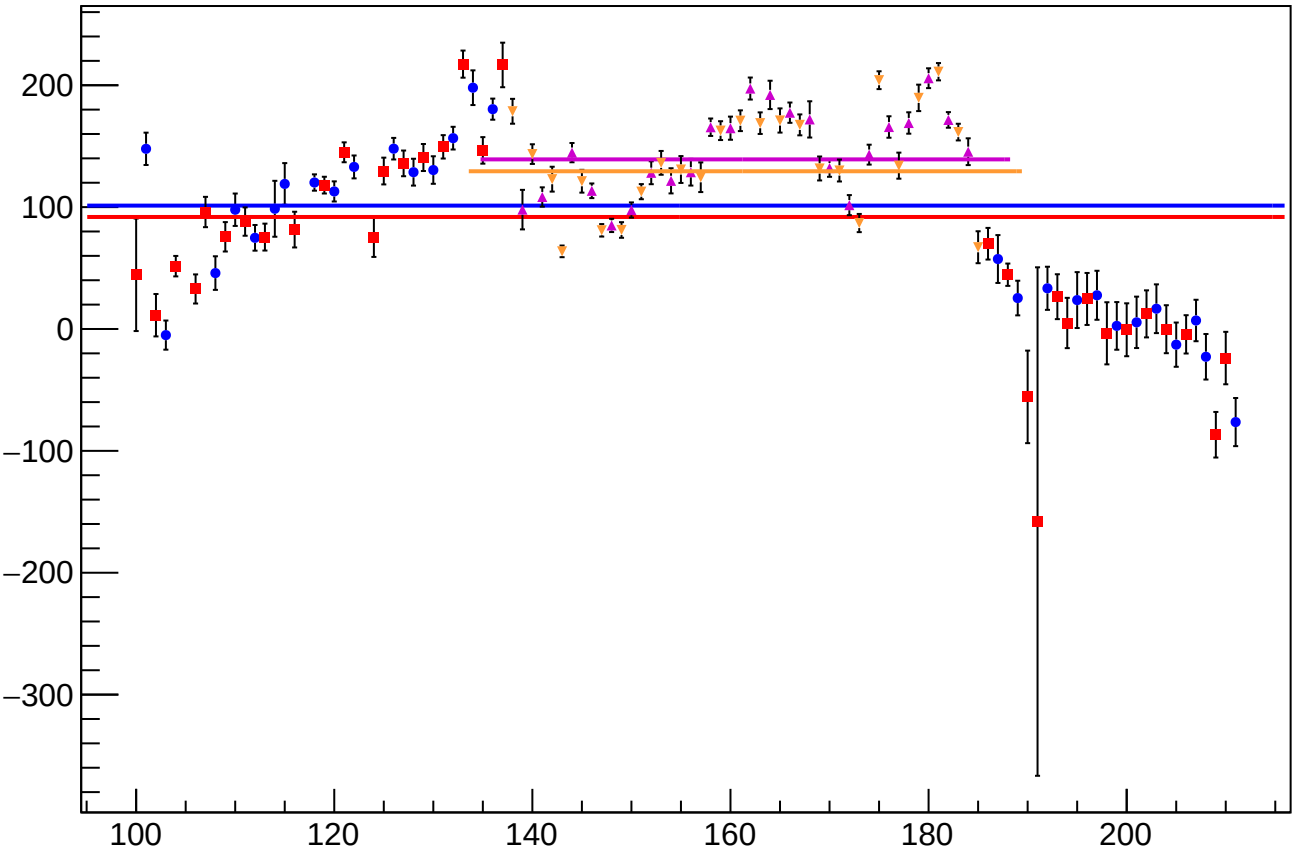
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.673+/-1.266 χ^2/NDF: 13035.5/60

In: 471.270+/-1.372 χ^2/NDF:7502.7/50

Out: 470.404+/-1.251 χ^2/NDF:12327.1/57

All: 470.797+/-0.925 χ^2/NDF: 19830.0/108



Right In: 101.235+/-2.362 χ^2/NDF: 674.4/27

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 91.907+/-2.245 χ^2/NDF: 731.3/32

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

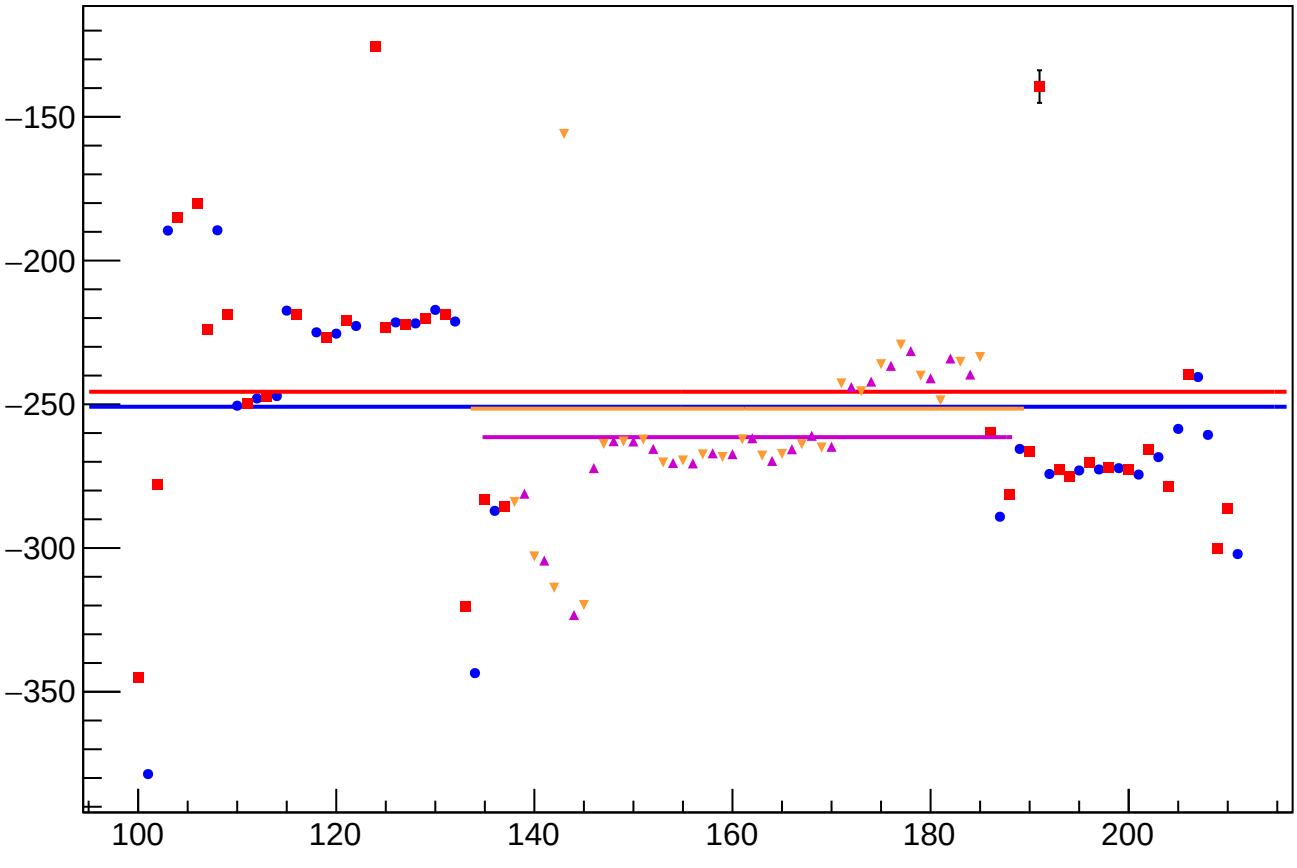
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 96.335+/-1.627 χ^2/NDF: 1413.9/60

In: 126.169+/-1.382 χ^2/NDF:1278.1/50

Out: 116.859+/-1.299 χ^2/NDF:1731.3/57

All: 121.225+/-0.947 χ^2/NDF: 3033.5/108



Right In: -250.850+/-0.120 χ^2/NDF: 151598.7/27

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -245.634+/-0.116 χ^2/NDF: 118325.3/32

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

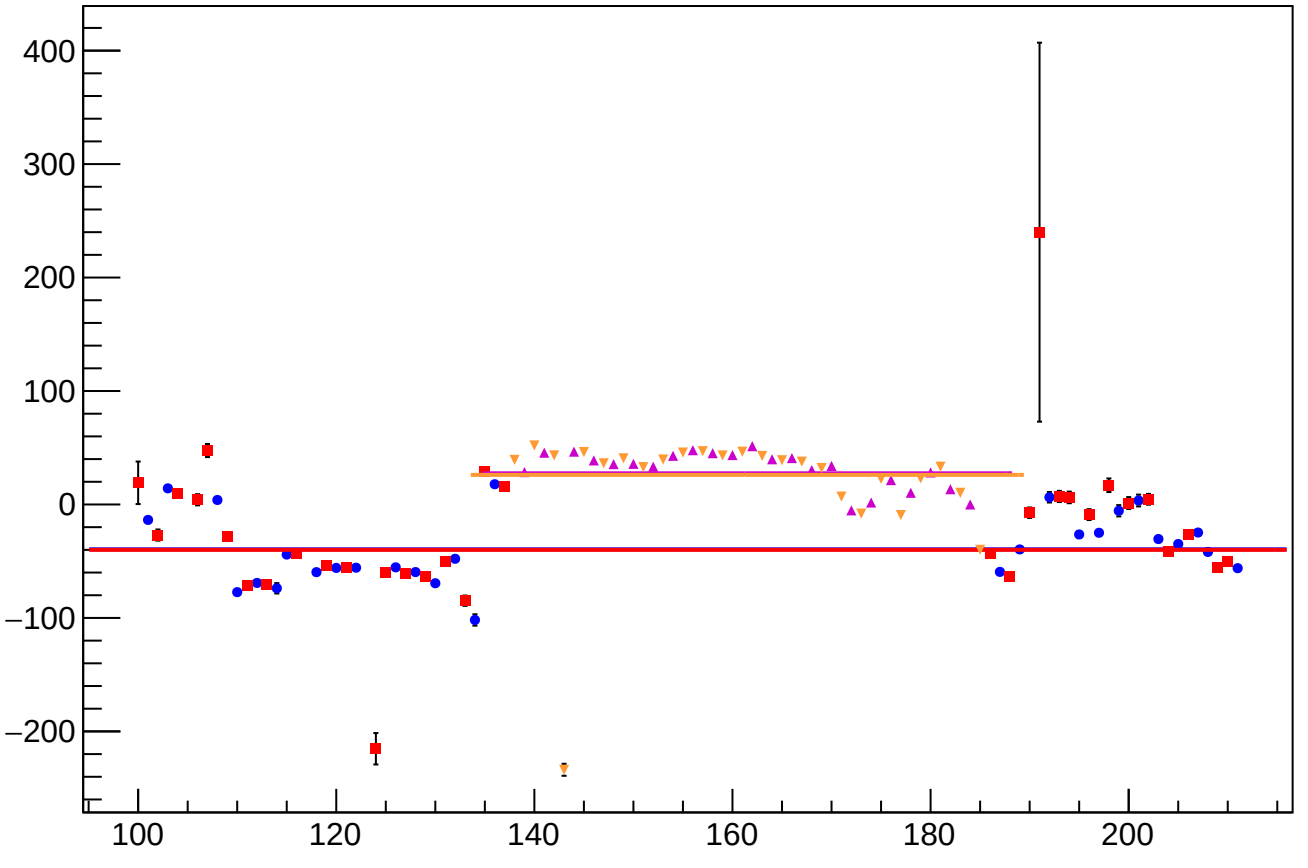
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -248.140+/-0.083 χ^2/NDF: 270901.6/60

In: -258.301+/-0.065 χ^2/NDF:226603.6/50

Out: -249.782+/-0.063 χ^2/NDF:375072.1/57

All: -253.863+/-0.045 χ^2/NDF: 610524.5/108



Right In: -39.544+/-0.574 χ^2/NDF: 2783.1/27

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.968+/-0.516 χ^2/NDF: 3311.5/32

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

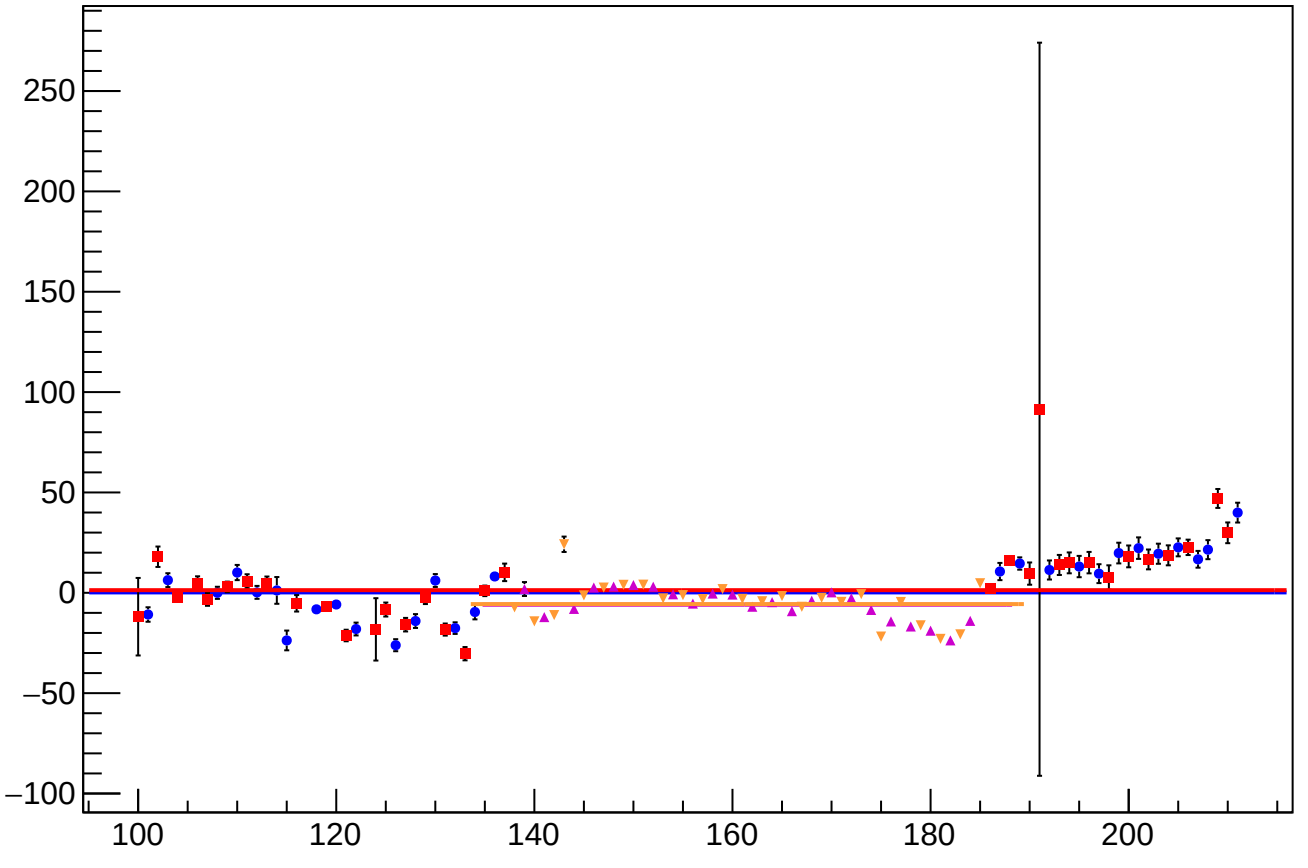
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -39.779+/-0.384 χ^2/NDF: 6094.9/60

In: 5.882+/-0.326 χ^2/NDF:13624.9/50

Out: 2.093+/-0.311 χ^2/NDF:18533.4/57

All: 3.899+/-0.225 χ^2/NDF: 32229.1/108



Right In: 0.195+/-0.652 χ^2/NDF: 473.2/27

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.312+/-0.606 χ^2/NDF: 534.1/32

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

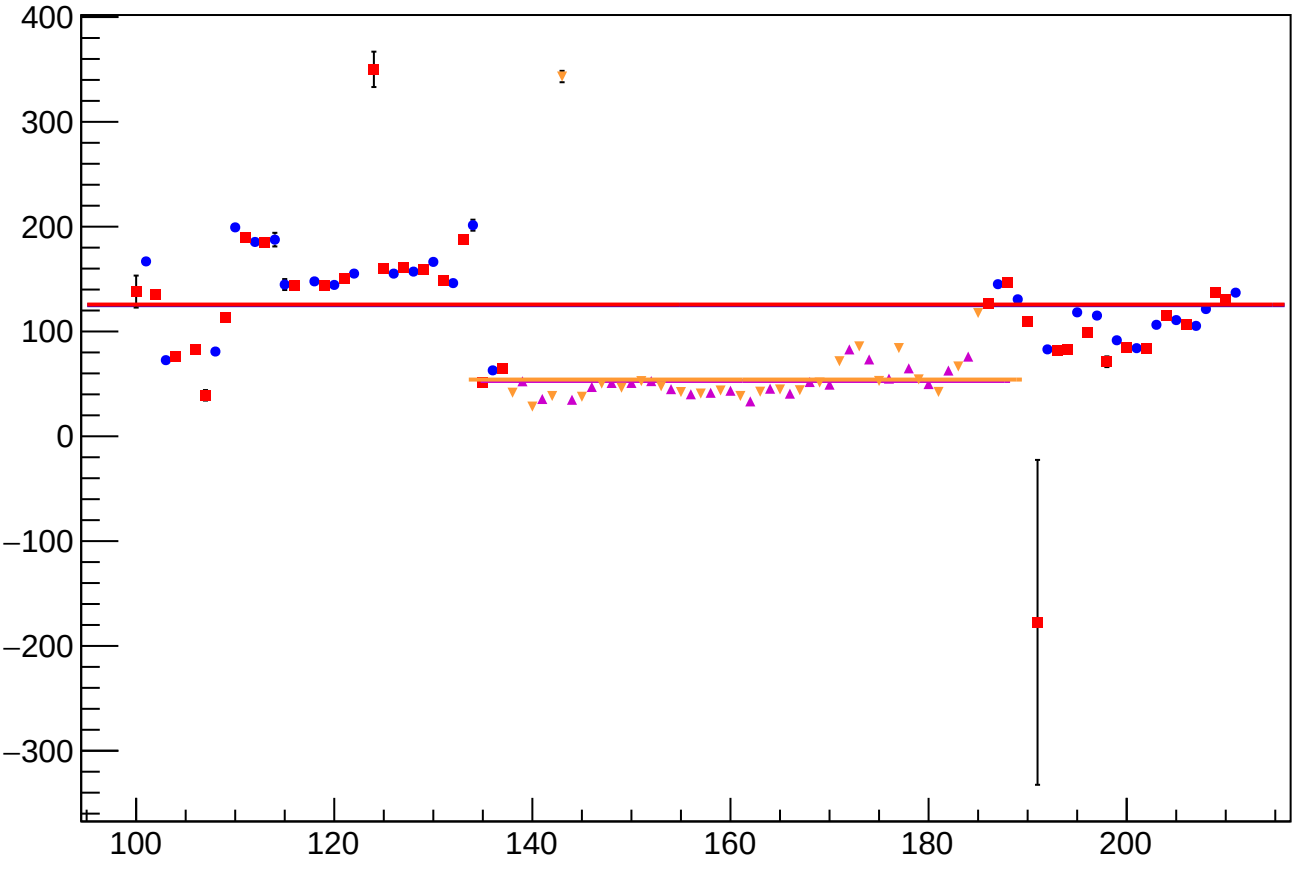
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 0.794+/-0.444 χ^2/NDF: 1008.9/60

In: -4.814+/-0.279 χ^2/NDF:1257.8/50

Out: -4.246+/-0.270 χ^2/NDF:1532.4/57

All: -4.520+/-0.194 χ^2/NDF: 2792.4/108



Right In: 125.103+/-0.589 χ^2/NDF: 4134.5/27

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.685+/-0.519 χ^2/NDF: 4441.9/32

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

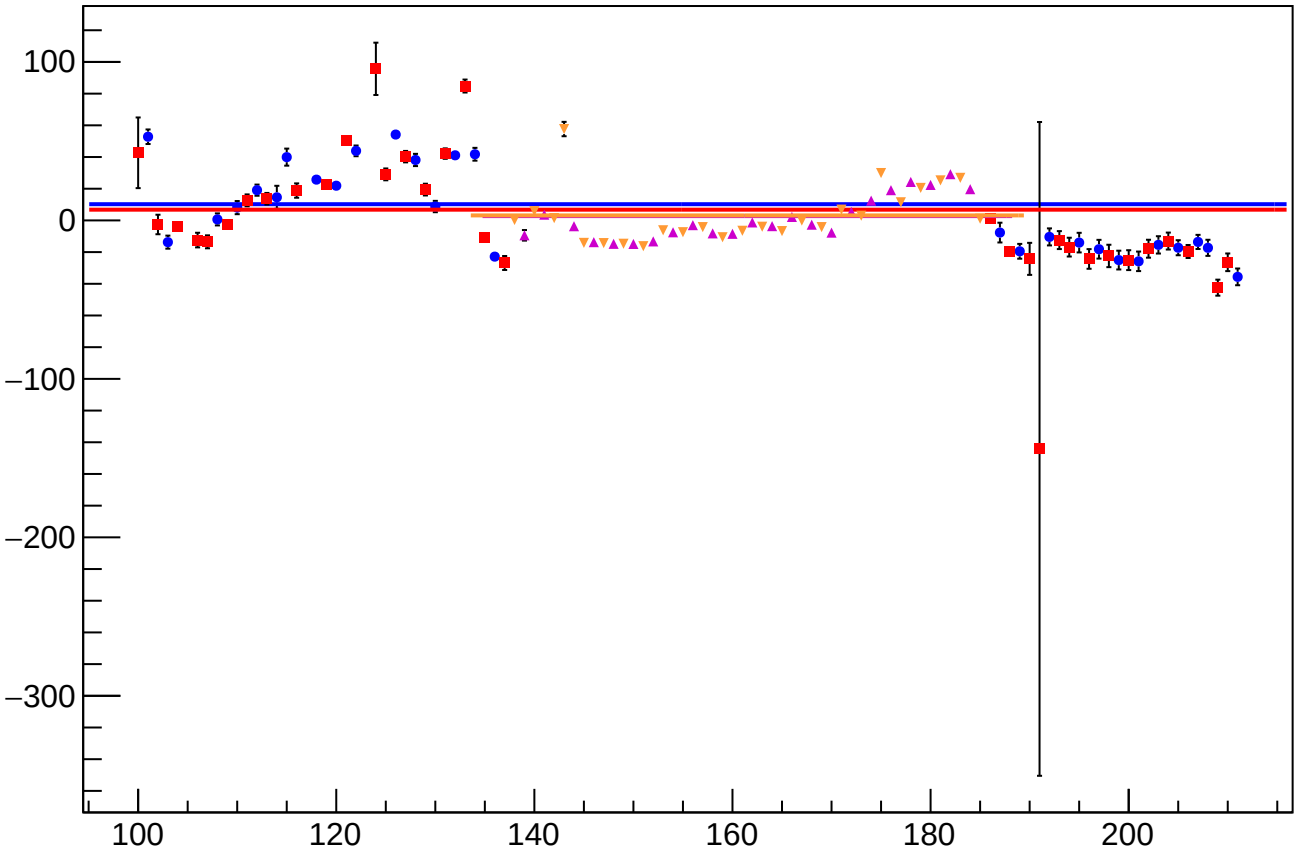
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.431+/-0.389 χ^2/NDF: 8576.9/60

In: 75.059+/-0.327 χ^2/NDF:15556.0/50

Out: 79.712+/-0.310 χ^2/NDF:21243.2/57

All: 77.504+/-0.225 χ^2/NDF: 36905.8/108



Right In: 10.228+/-0.752 χ^2/NDF: 1323.0/27

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.774+/-0.717 χ^2/NDF: 1450.0/32

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

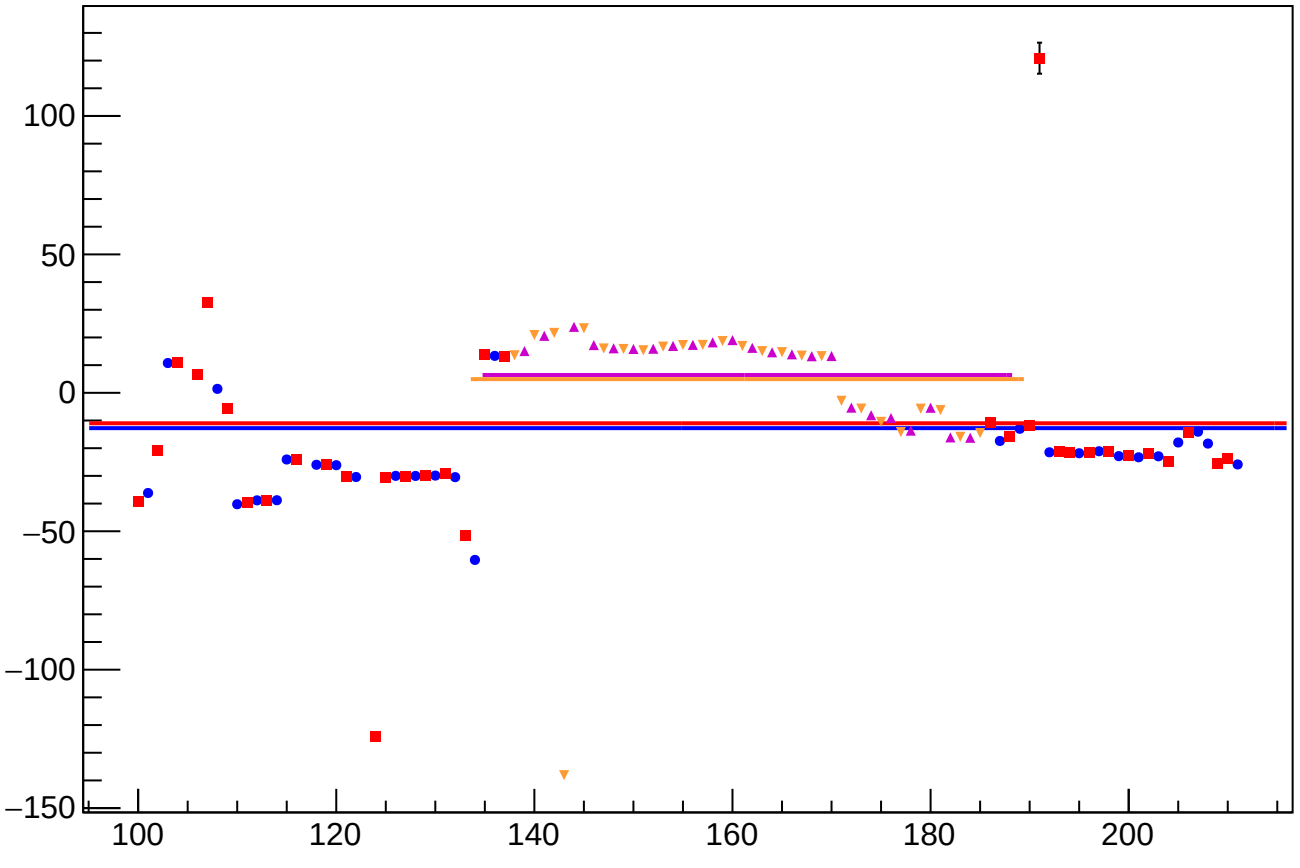
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 8.419+/-0.519 χ^2/NDF: 2784.0/60

In: 4.039+/-0.315 χ^2/NDF:3140.4/50

Out: 3.819+/-0.307 χ^2/NDF:3483.2/57

All: 3.926+/-0.220 χ^2/NDF: 6623.8/108



Right In: -12.758+/-0.036 χ^2/NDF: 299175.2/27

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.001+/-0.035 χ^2/NDF: 280601.2/32

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

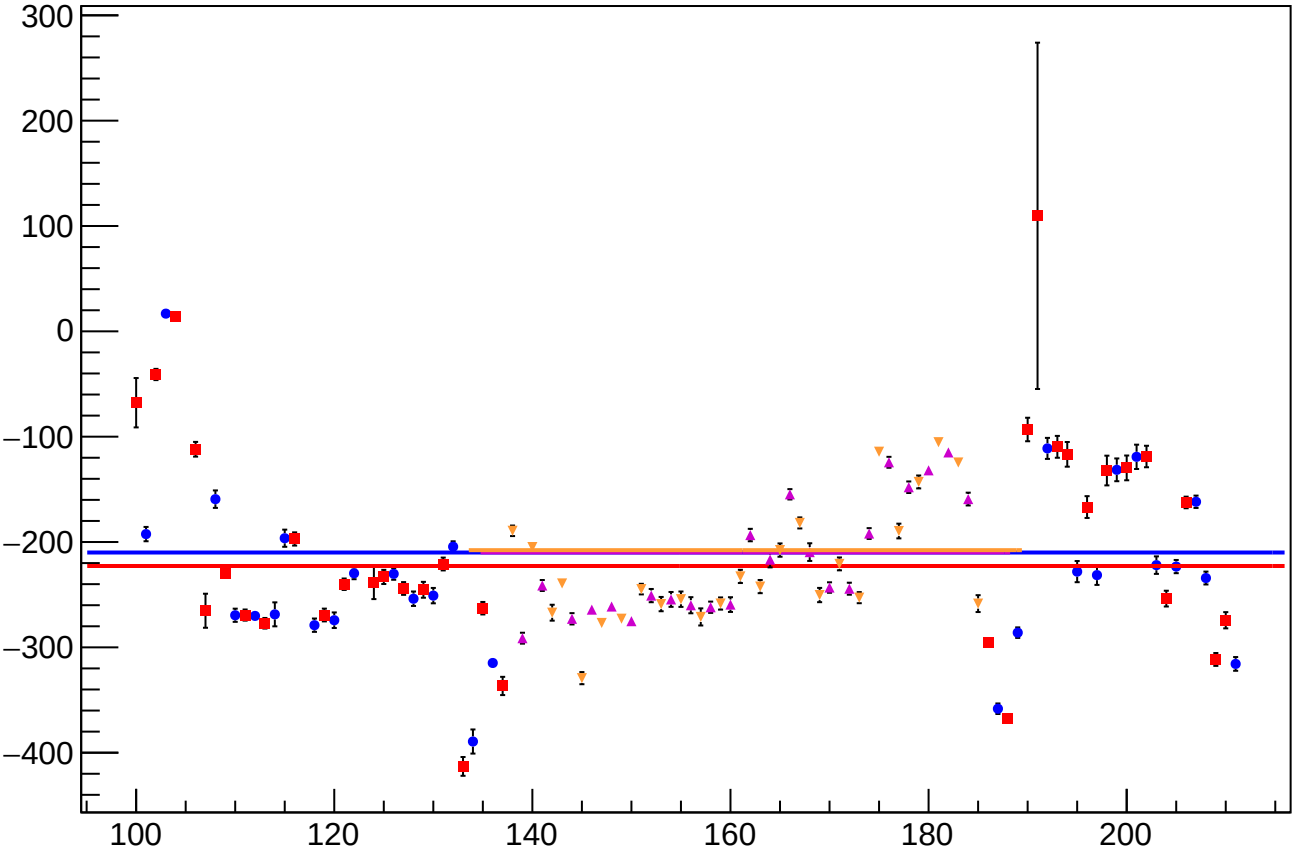
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.869+/-0.025 χ^2/NDF: 581001.5/60

In: 3.454+/-0.014 χ^2/NDF:1272972.3/50

Out: 2.442+/-0.014 χ^2/NDF:1589493.6/57

All: 2.944+/-0.010 χ^2/NDF: 2865062.9/108



Right In: -209.965+/-1.159 χ^2/NDF: 9085.9/27

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.762+/-1.062 χ^2/NDF: 12565.2/32

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

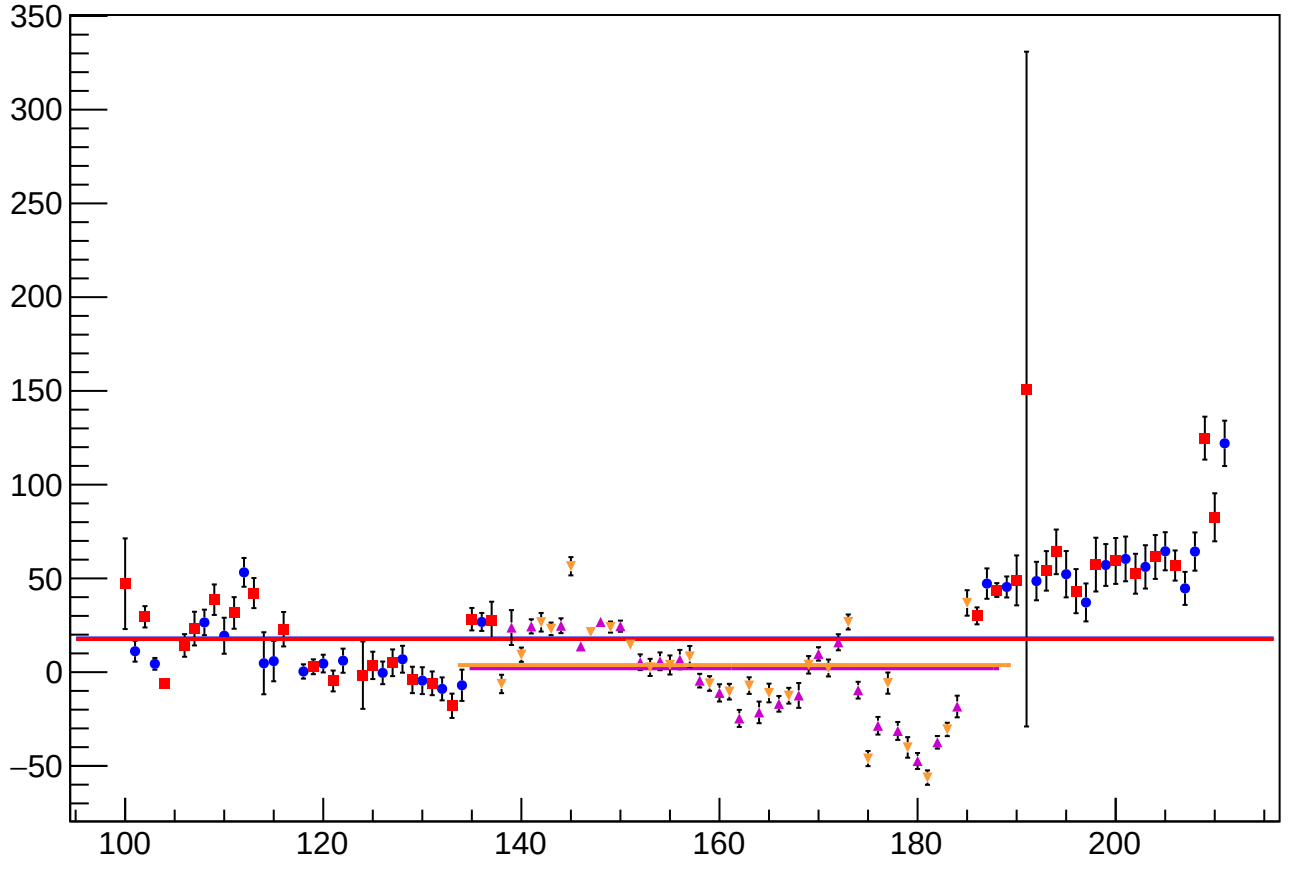
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -216.923+/-0.783 χ^2/NDF: 21717.3/60

In: -209.918+/-0.798 χ^2/NDF:12097.7/50

Out: -215.306+/-0.754 χ^2/NDF:16151.6/57

All: -212.767+/-0.548 χ^2/NDF: 28273.5/108



Right In: 17.947+/-1.272 χ^2/NDF: 348.4/27

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 17.696+/-1.153 χ^2/NDF: 494.6/32

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

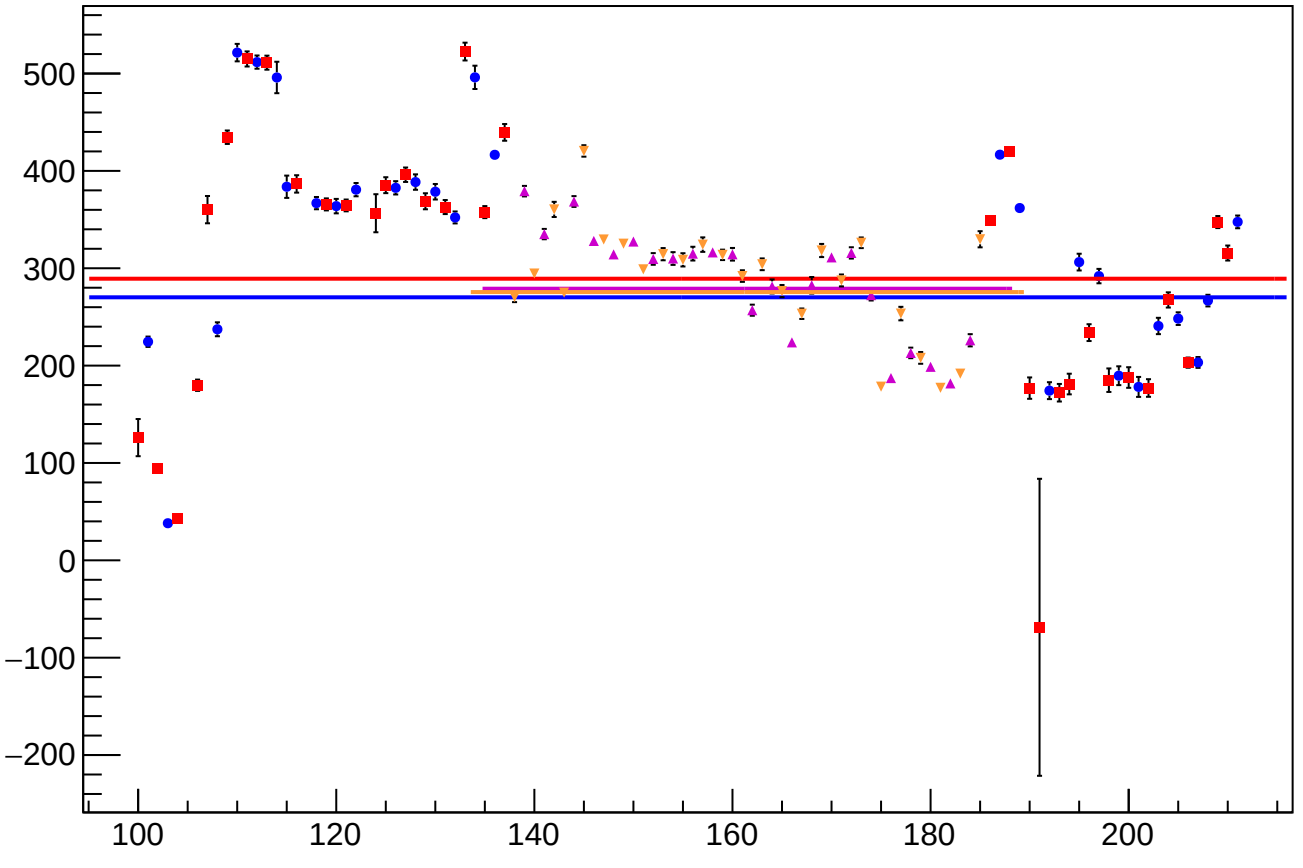
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 17.809+/-0.854 χ^2/NDF: 843.0/60

In: 6.738+/-0.689 χ^2/NDF:1228.5/50

Out: 8.198+/-0.650 χ^2/NDF:1566.2/57

All: 7.511+/-0.473 χ^2/NDF: 2797.1/108



Right In: 270.154+/-1.119 χ^2/NDF: 17892.3/27

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 289.257+/-0.998 χ^2/NDF: 22262.7/32

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

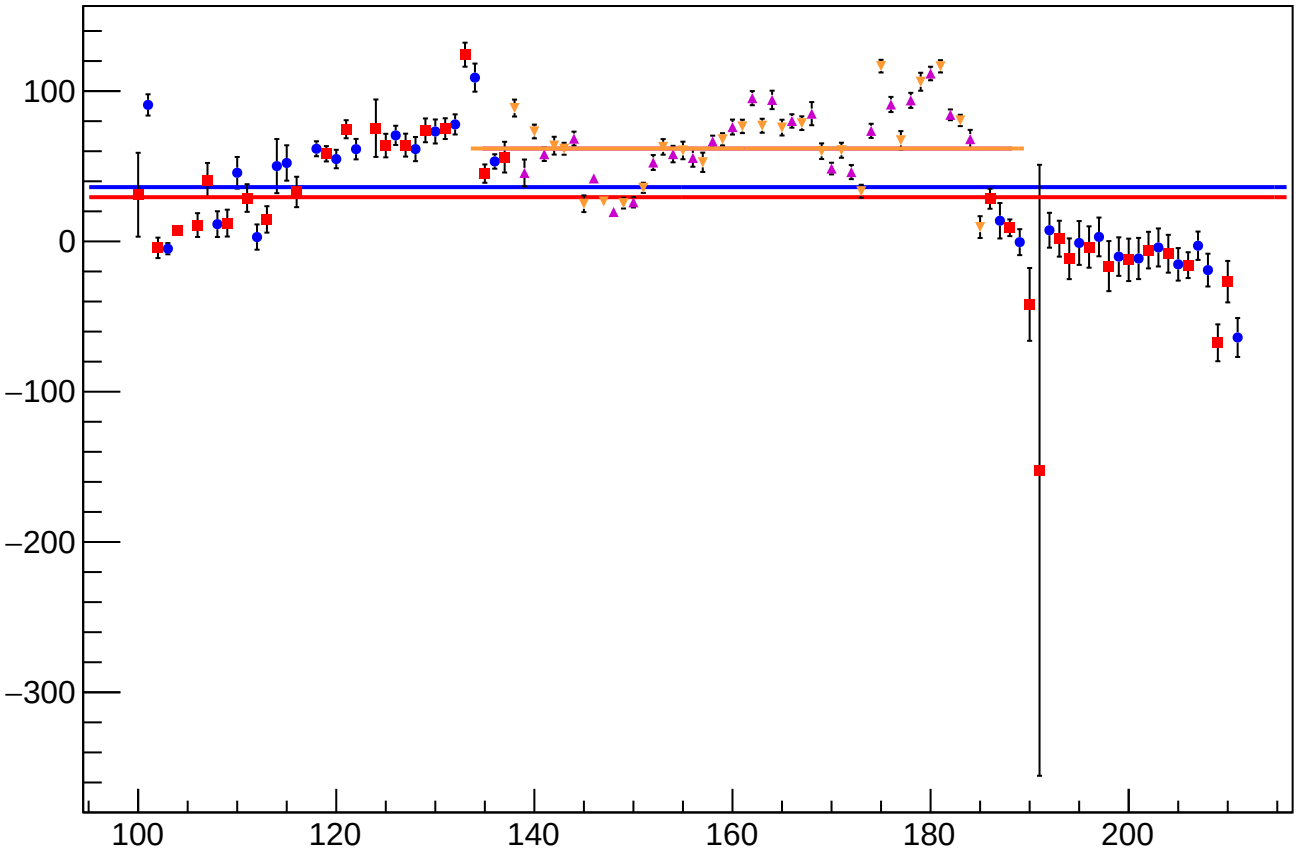
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 280.795+/-0.745 χ^2/NDF: 40317.3/60

In: 274.692+/-0.780 χ^2/NDF:21039.0/50

Out: 282.823+/-0.727 χ^2/NDF:25674.5/57

All: 279.044+/-0.532 χ^2/NDF: 46771.6/108



Right In: 36.117+/-1.491 χ^2/NDF: 629.9/27

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 29.425+/-1.395 χ^2/NDF: 636.8/32

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

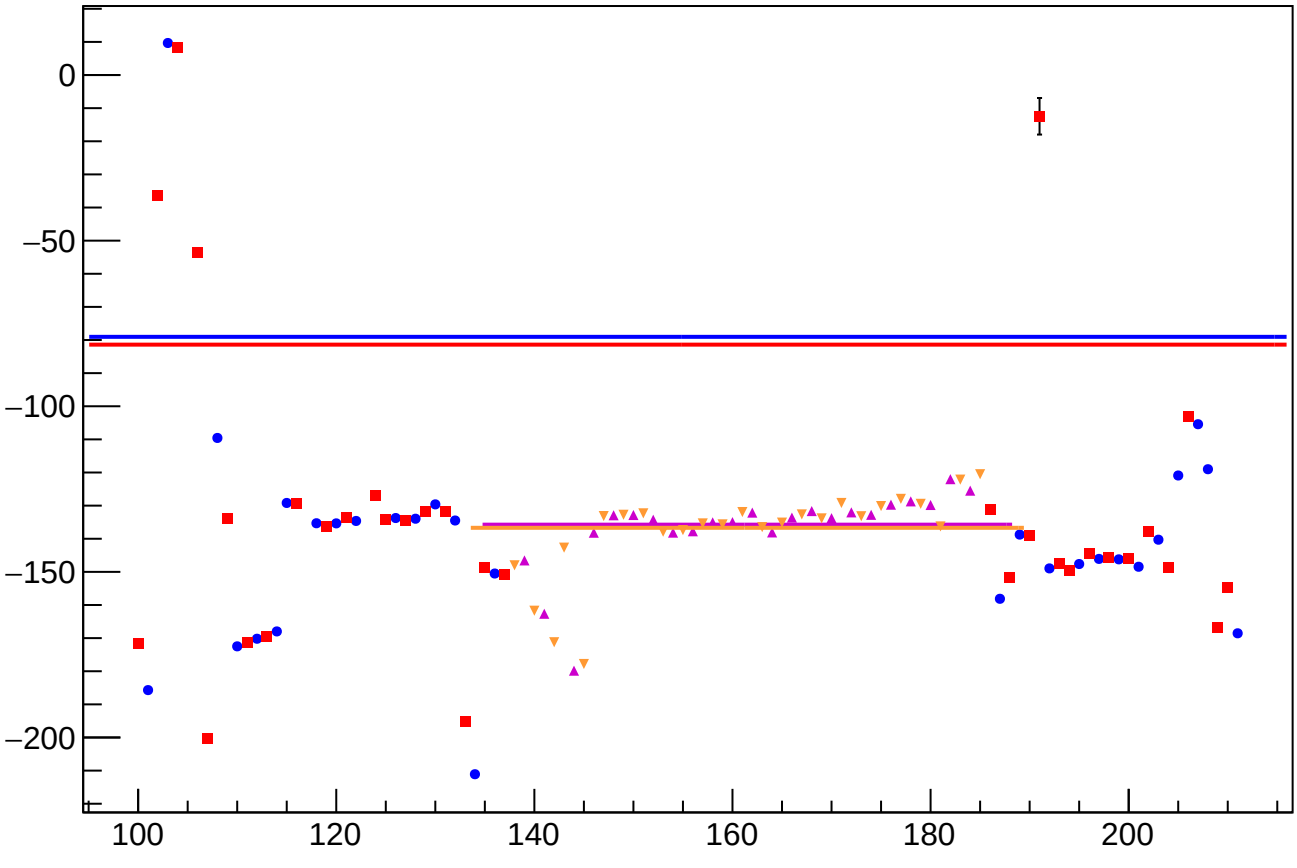
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 32.548+/-1.018 χ^2/NDF: 1277.4/60

In: 54.480+/-0.794 χ^2/NDF:1577.9/50

Out: 52.182+/-0.761 χ^2/NDF:1975.3/57

All: 53.281+/-0.549 χ^2/NDF: 3557.5/108



Right In: -79.039+/-0.063 χ^2/NDF: 1546845.0/27

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -81.395+/-0.063 χ^2/NDF: 1252501.7/32

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

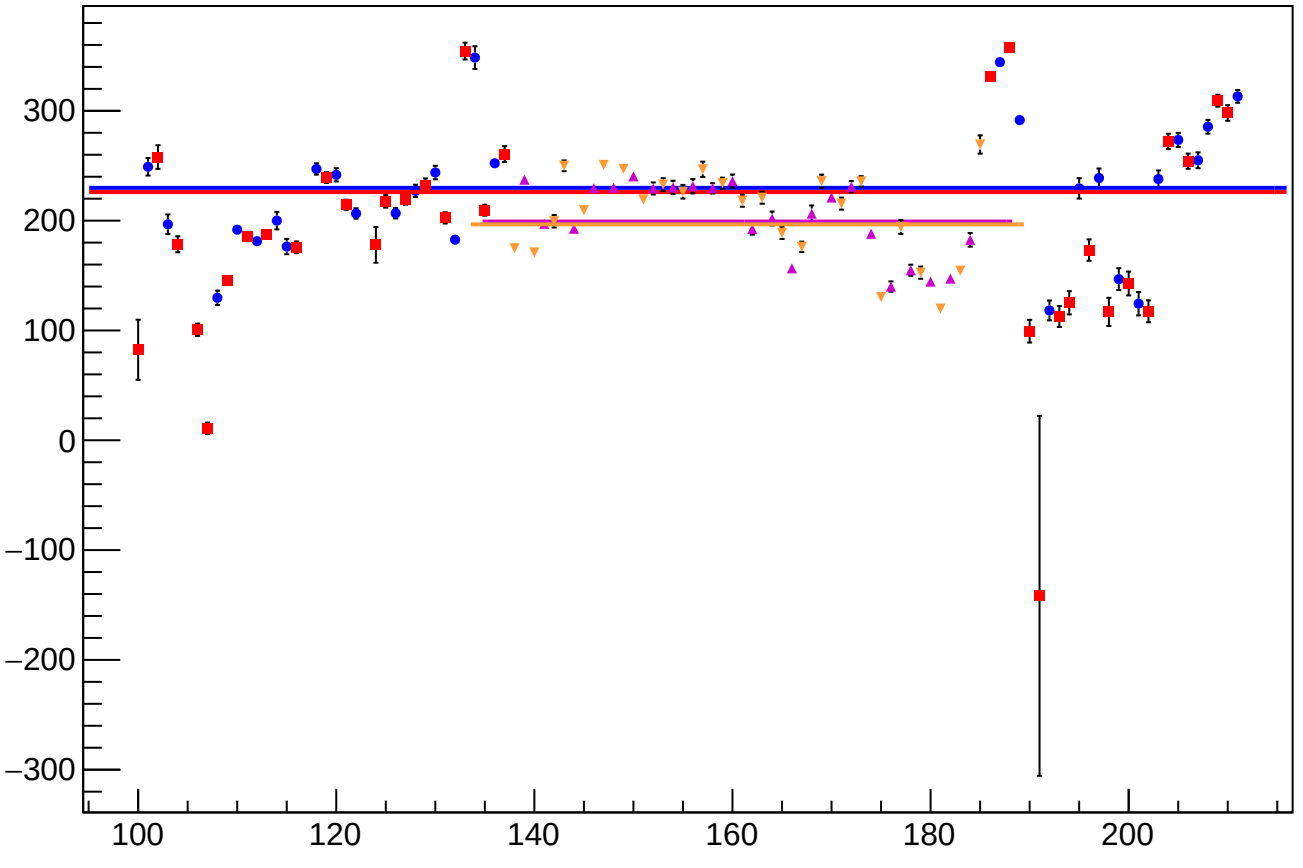
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -80.217+/-0.044 χ^2/NDF: 2800051.4/60

In: -117.730+/-0.035 χ^2/NDF:2168098.6/50

Out: -119.442+/-0.035 χ^2/NDF:1866071.8/57

All: -118.593+/-0.025 χ^2/NDF: 4035353.6/10



Right In: 229.866+/-1.077 χ^2/NDF: 2485.4/27

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.031+/-0.954 χ^2/NDF: 8520.8/32

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

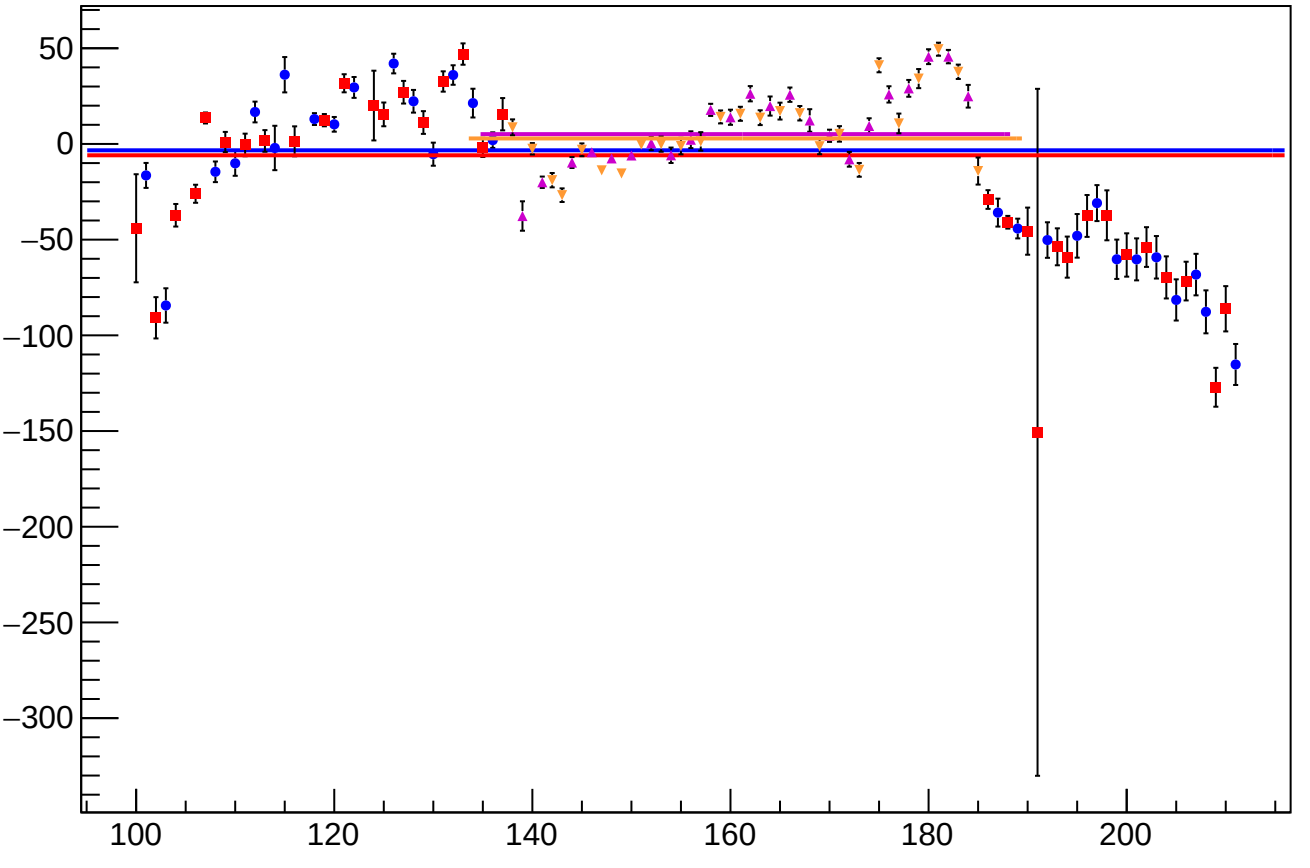
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 227.717+/-0.714 χ^2/NDF: 11013.3/60

In: 212.959+/-0.722 χ^2/NDF:4228.0/50

Out: 211.211+/-0.672 χ^2/NDF:11075.7/57

All: 212.022+/-0.492 χ^2/NDF: 15306.9/108



Right In: -3.321+/-1.187 χ^2/NDF: 837.6/27

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -5.927+/-1.059 χ^2/NDF: 975.2/32

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

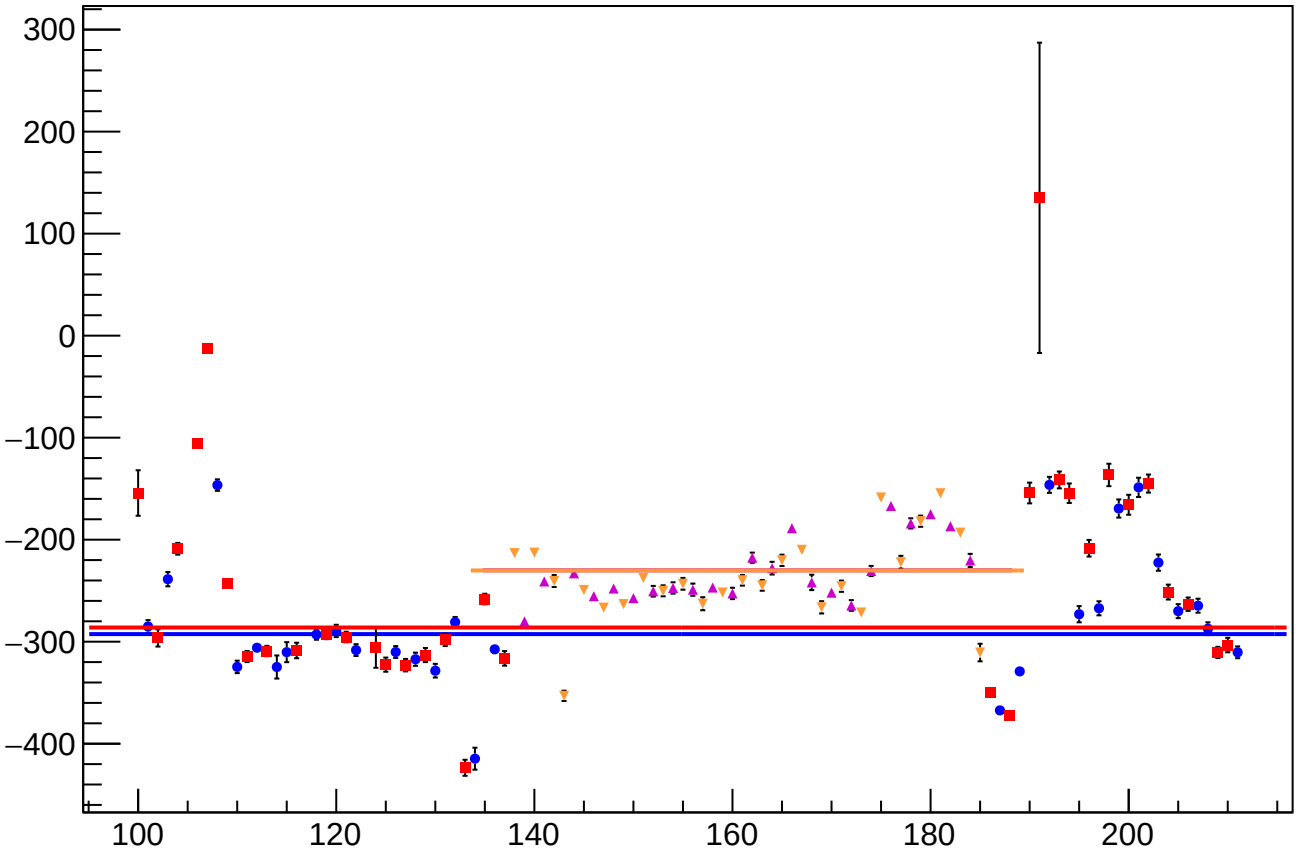
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -4.772+/-0.790 χ^2/NDF: 1815.6/60

In: 2.864+/-0.614 χ^2/NDF:1503.3/50

Out: 0.232+/-0.580 χ^2/NDF:1776.3/57

All: 1.472+/-0.422 χ^2/NDF: 3289.3/108



Right In: -292.559+/-1.120 χ^2/NDF: 2389.1/27

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.102+/-0.961 χ^2/NDF: 9945.1/32

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

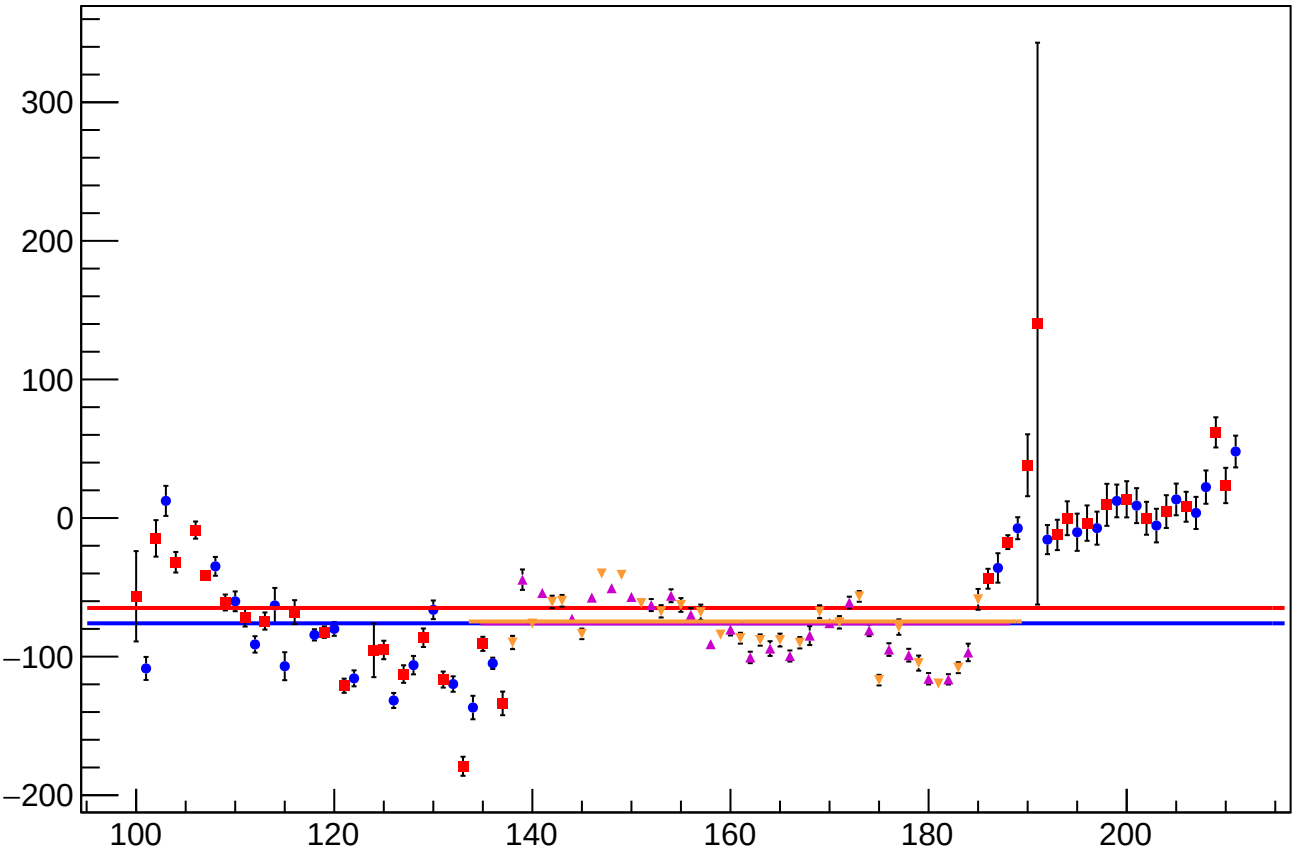
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -288.841+/-0.730 χ^2/NDF: 12353.3/60

In: -256.547+/-0.729 χ^2/NDF:5276.9/50

Out: -257.484+/-0.672 χ^2/NDF:13858.6/57

All: -257.054+/-0.494 χ^2/NDF: 19136.5/108



Right In: -75.971+/-1.385 χ^2/NDF: 1090.1/27

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -64.885+/-1.267 χ^2/NDF: 1386.0/32

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

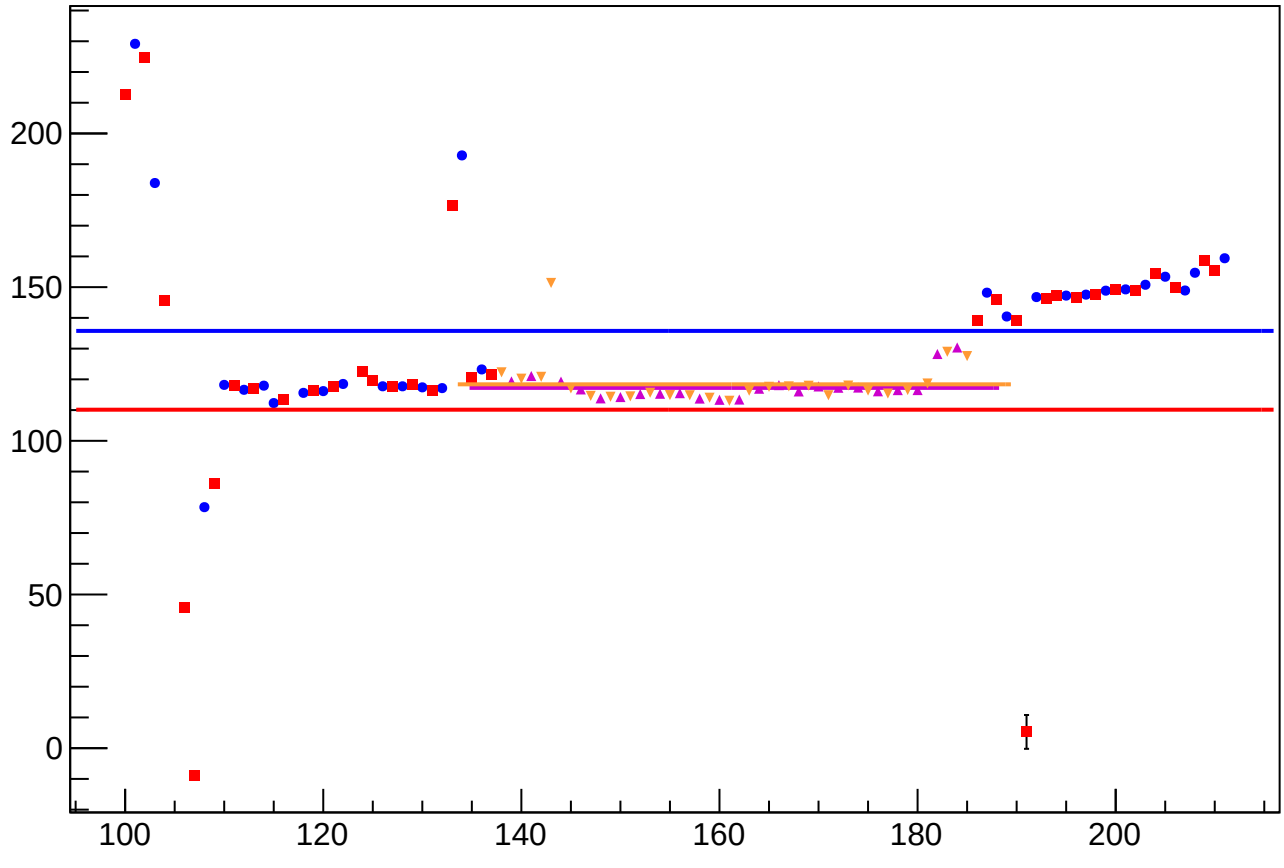
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -69.932+/-0.935 χ^2/NDF: 2510.9/60

In: -76.011+/-0.708 χ^2/NDF:1736.1/50

Out: -71.857+/-0.677 χ^2/NDF:2259.4/57

All: -73.840+/-0.489 χ^2/NDF: 4013.5/108



Right In: 135.764+/-0.072 χ^2/NDF: 202494.3/27

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 110.126+/-0.065 χ^2/NDF: 776833.9/32

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

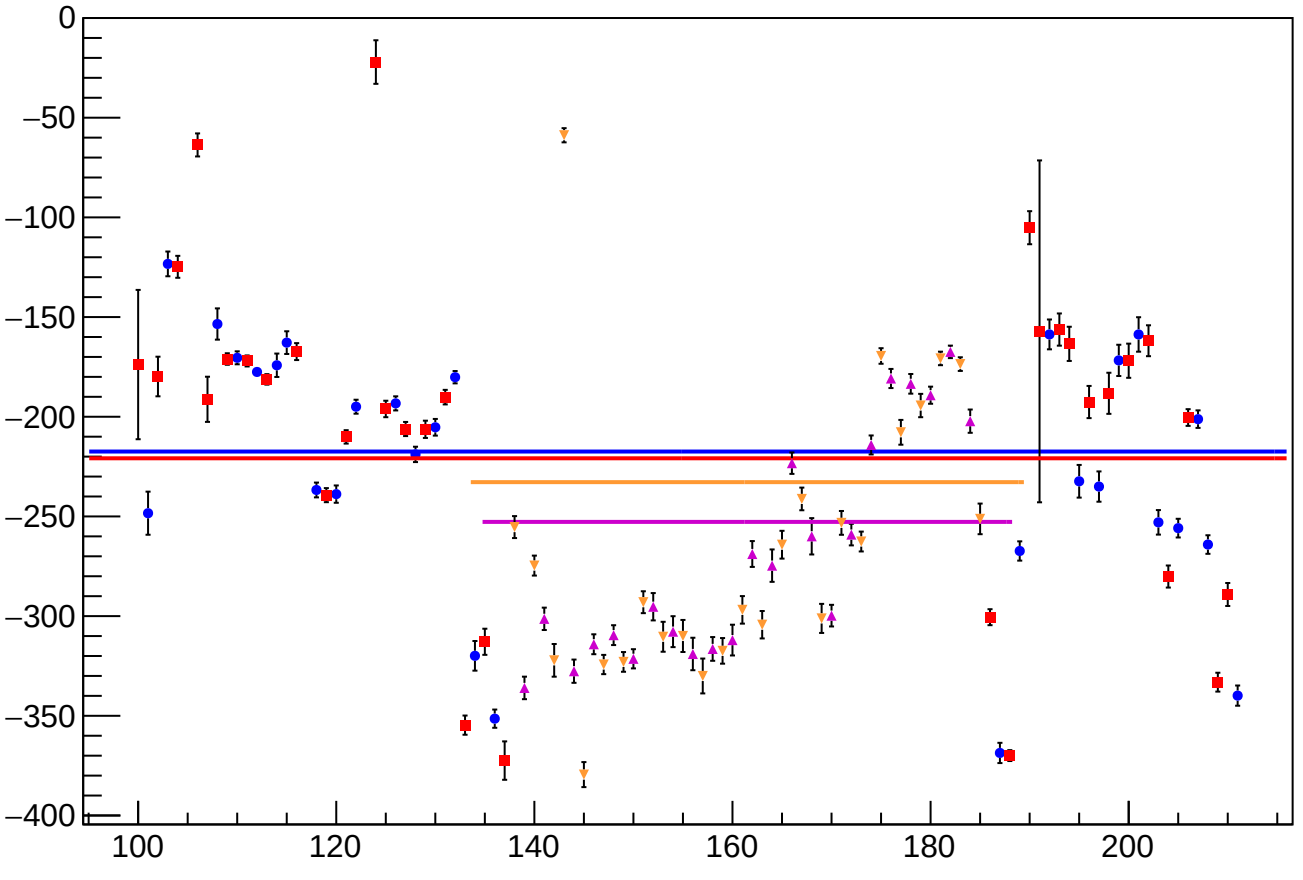
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 121.611+/-0.048 χ^2/NDF: 1049711.6/60

In: 121.215+/-0.033 χ^2/NDF:265038.7/50

Out: 116.324+/-0.032 χ^2/NDF:824002.1/57

All: 118.694+/-0.023 χ^2/NDF: 1100157.0/108



Right In: -217.445+/-0.869 χ^2/NDF: 4208.2/27

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -220.843+/-0.813 χ^2/NDF: 8418.0/32

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

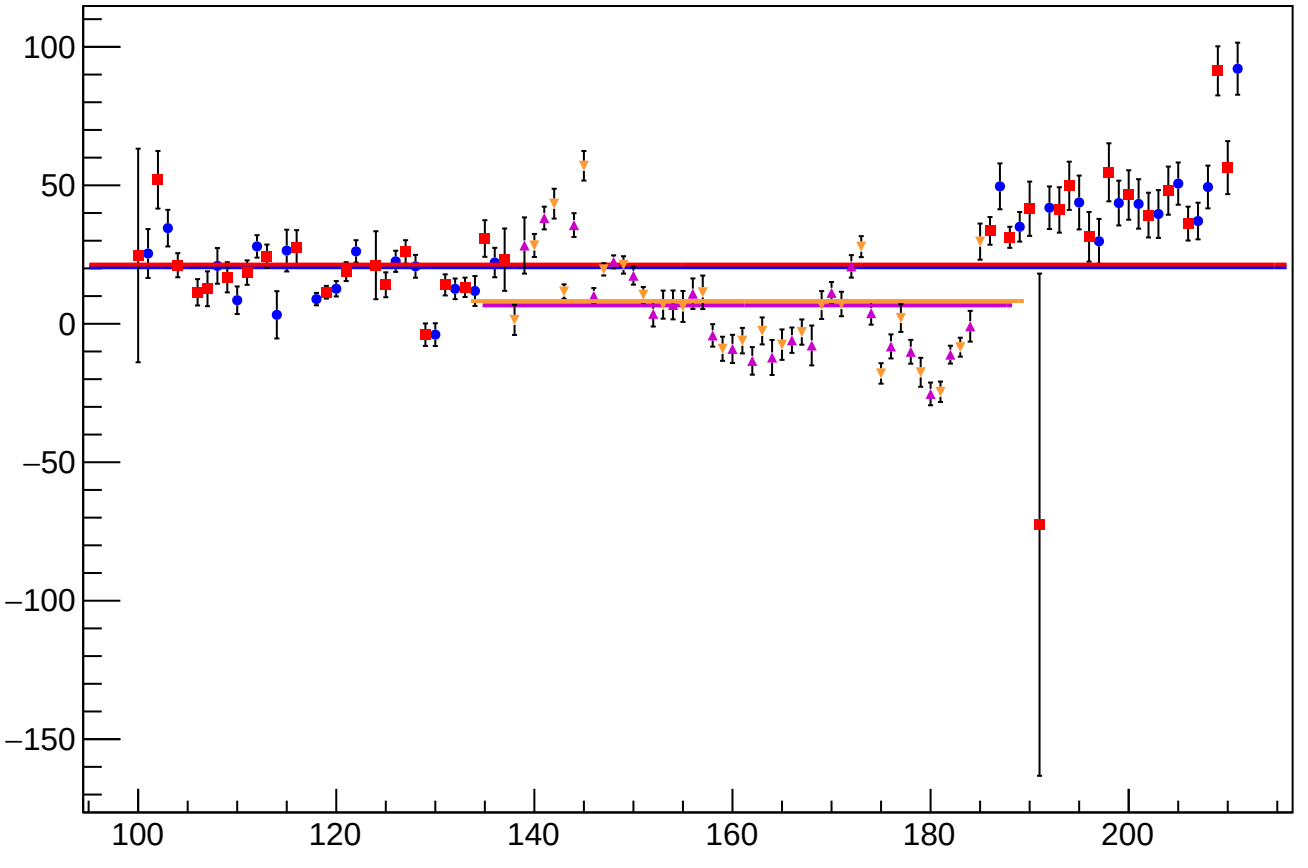
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -219.257+/-0.594 χ^2/NDF: 12634.4/60

In: -230.554+/-0.689 χ^2/NDF:7734.5/50

Out: -225.209+/-0.648 χ^2/NDF:14261.0/57

All: -227.716+/-0.472 χ^2/NDF: 22027.4/108



Right In: 20.429+/-0.948 χ^2/NDF: 246.2/27

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.377+/-0.916 χ^2/NDF: 240.8/32

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

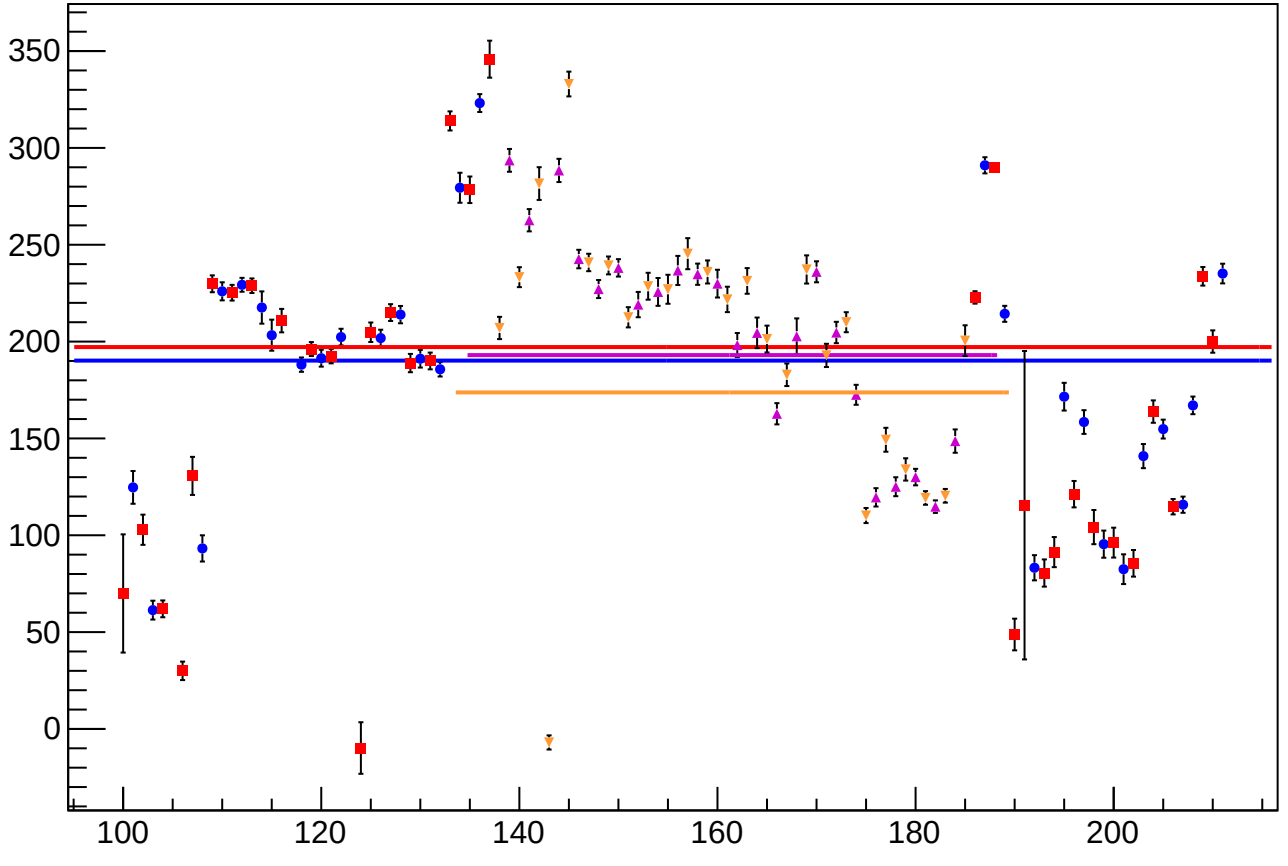
Right: 20.919+/-0.659 χ^2/NDF: 487.5/60

In: 12.861+/-0.636 χ^2/NDF:717.0/50

Out: 13.935+/-0.604 χ^2/NDF:815.3/57

All: 13.426+/-0.438 χ^2/NDF: 1533.8/108

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 190.182+/-0.939 χ^2/NDF: 4002.4/27

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.178+/-0.861 χ^2/NDF: 7609.5/32

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

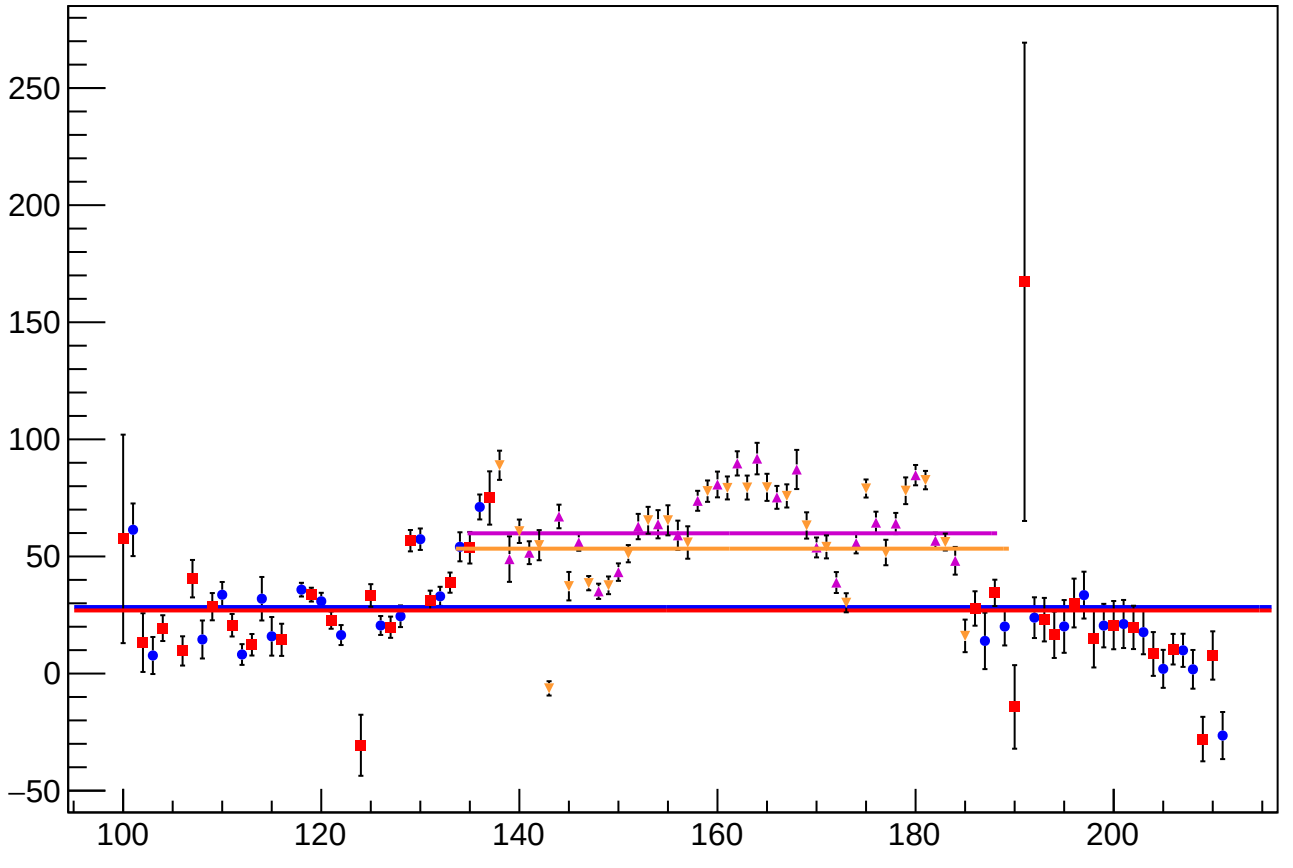
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 193.983+/-0.634 χ^2/NDF: 11642.1/60

In: 191.353+/-0.720 χ^2/NDF:6518.2/50

Out: 187.959+/-0.670 χ^2/NDF:13161.7/57

All: 189.535+/-0.491 χ^2/NDF: 19691.8/108



Right In: 28.401+/-1.104 χ^2/NDF: 248.3/27

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.951+/-1.075 χ^2/NDF: 204.2/32

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

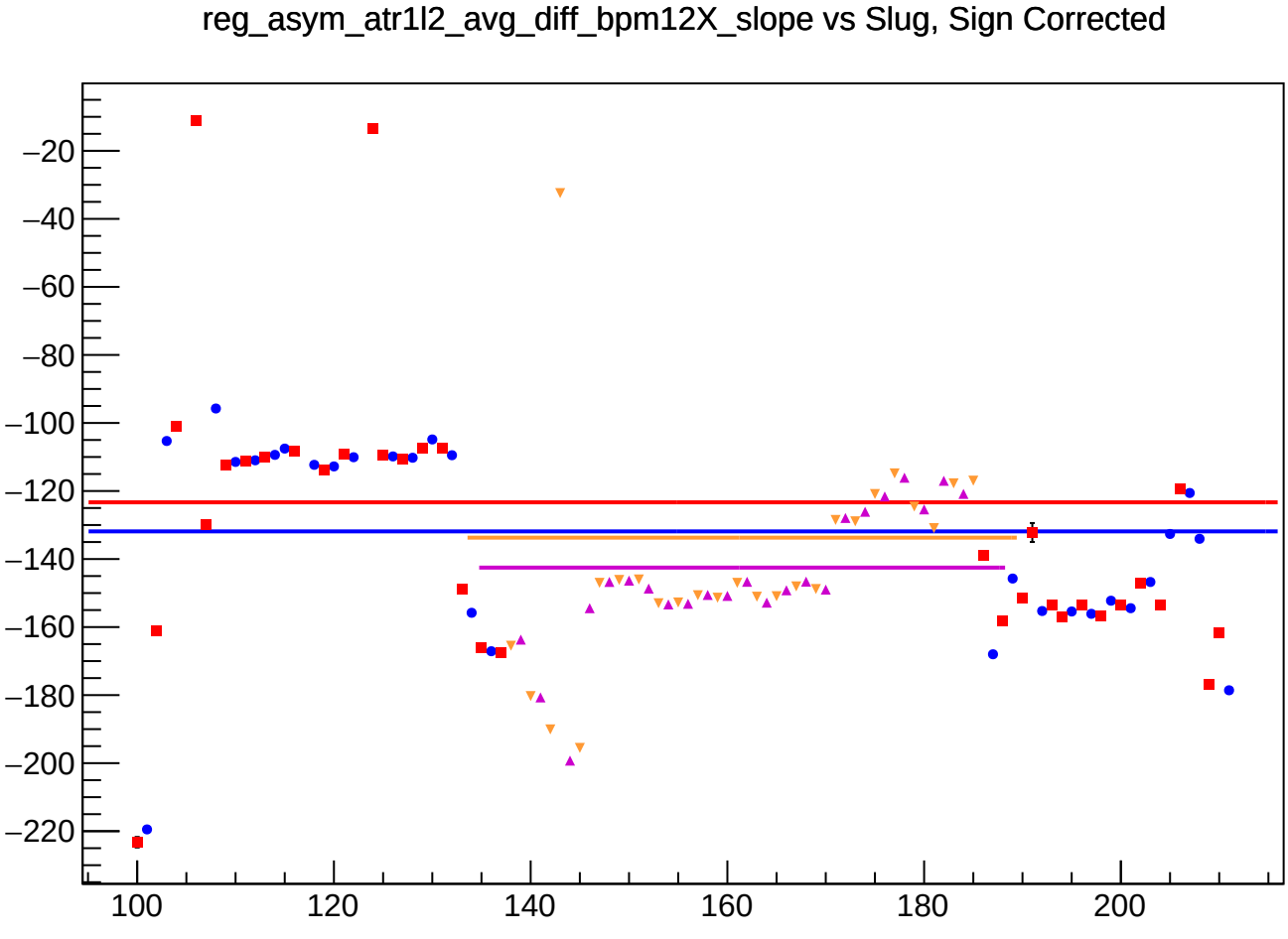
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.657+/-0.770 χ^2/NDF: 453.4/60

In: 46.056+/-0.731 χ^2/NDF:955.9/50

Out: 42.150+/-0.700 χ^2/NDF:1330.3/57

All: 44.016+/-0.506 χ^2/NDF: 2301.1/108



Right In: -131.868+/-0.061 χ^2/NDF: 184721.5/27

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -123.325+/-0.058 χ^2/NDF: 517537.0/32

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

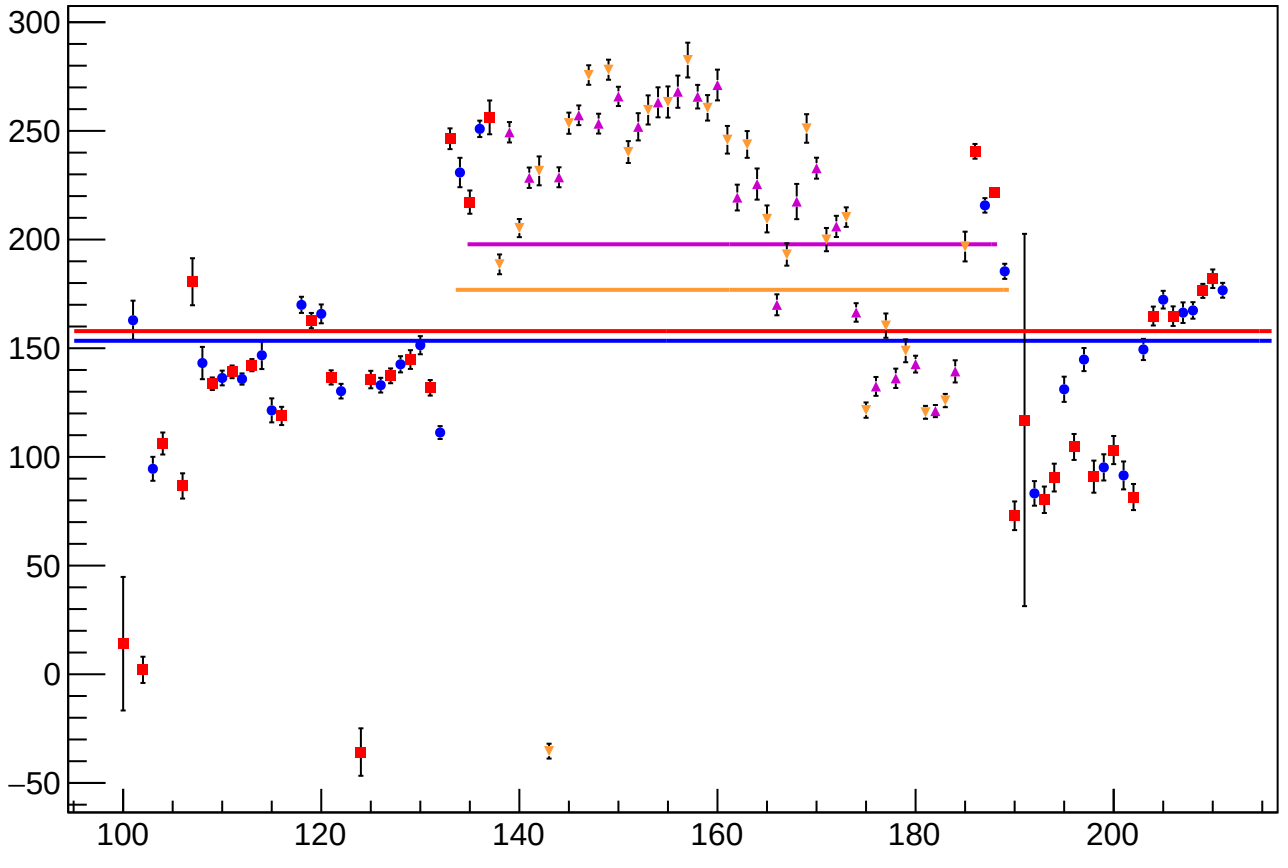
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -127.391+/-0.042 χ^2/NDF: 712613.5/60

In: -138.810+/-0.036 χ^2/NDF:383224.5/50

Out: -130.038+/-0.034 χ^2/NDF:1214242.3/57

All: -134.247+/-0.025 χ^2/NDF: 1628593.4/10



Right In: 153.426+/-0.787 χ^2/NDF: 2225.3/27

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.883+/-0.723 χ^2/NDF: 5072.8/32

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

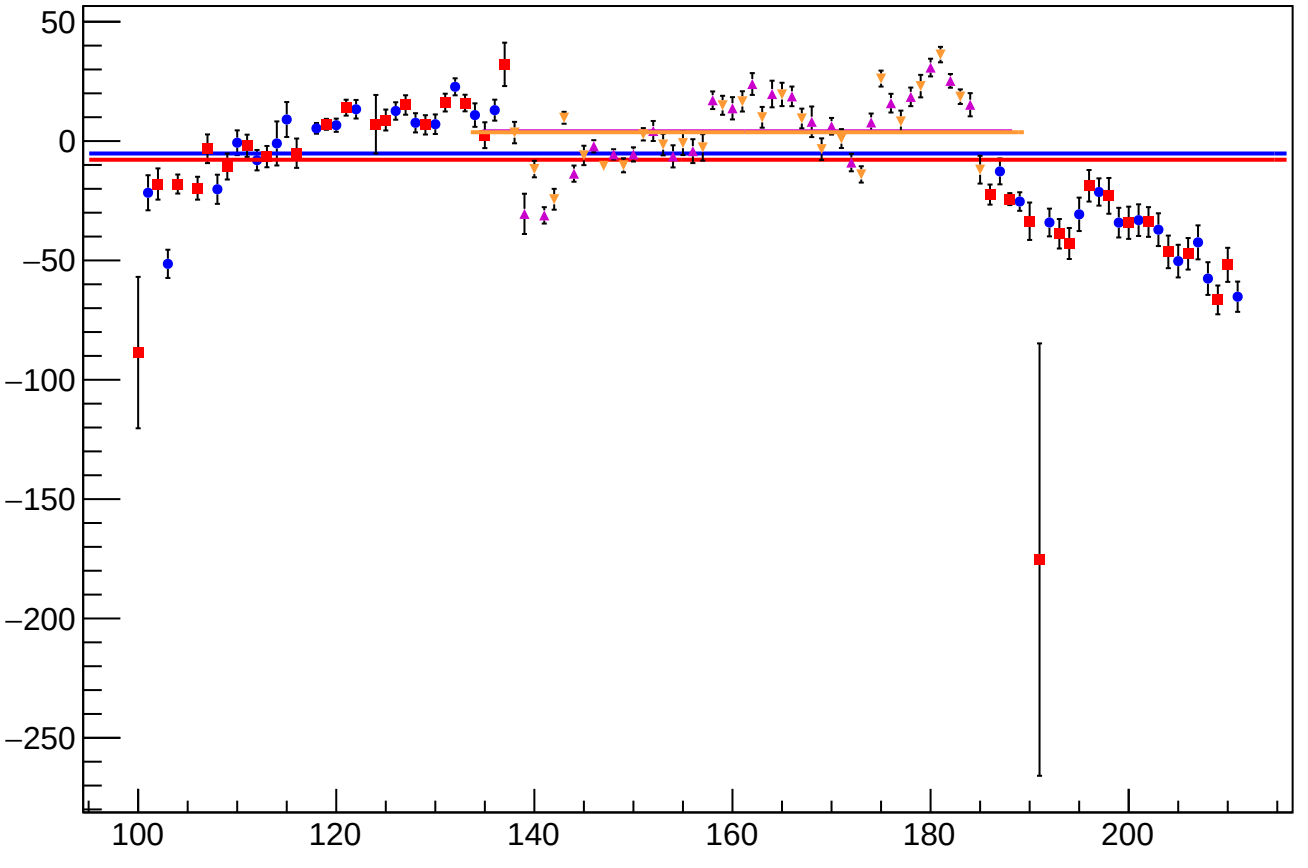
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 155.841+/-0.532 χ^2/NDF: 7315.5/60

In: 170.271+/-0.620 χ^2/NDF:6402.1/50

Out: 164.785+/-0.577 χ^2/NDF:12748.2/57

All: 167.333+/-0.422 χ^2/NDF: 19192.3/108



Right In: -5.201+/-0.878 χ^2/NDF: 627.0/27

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -7.822+/-0.834 χ^2/NDF: 644.8/32

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

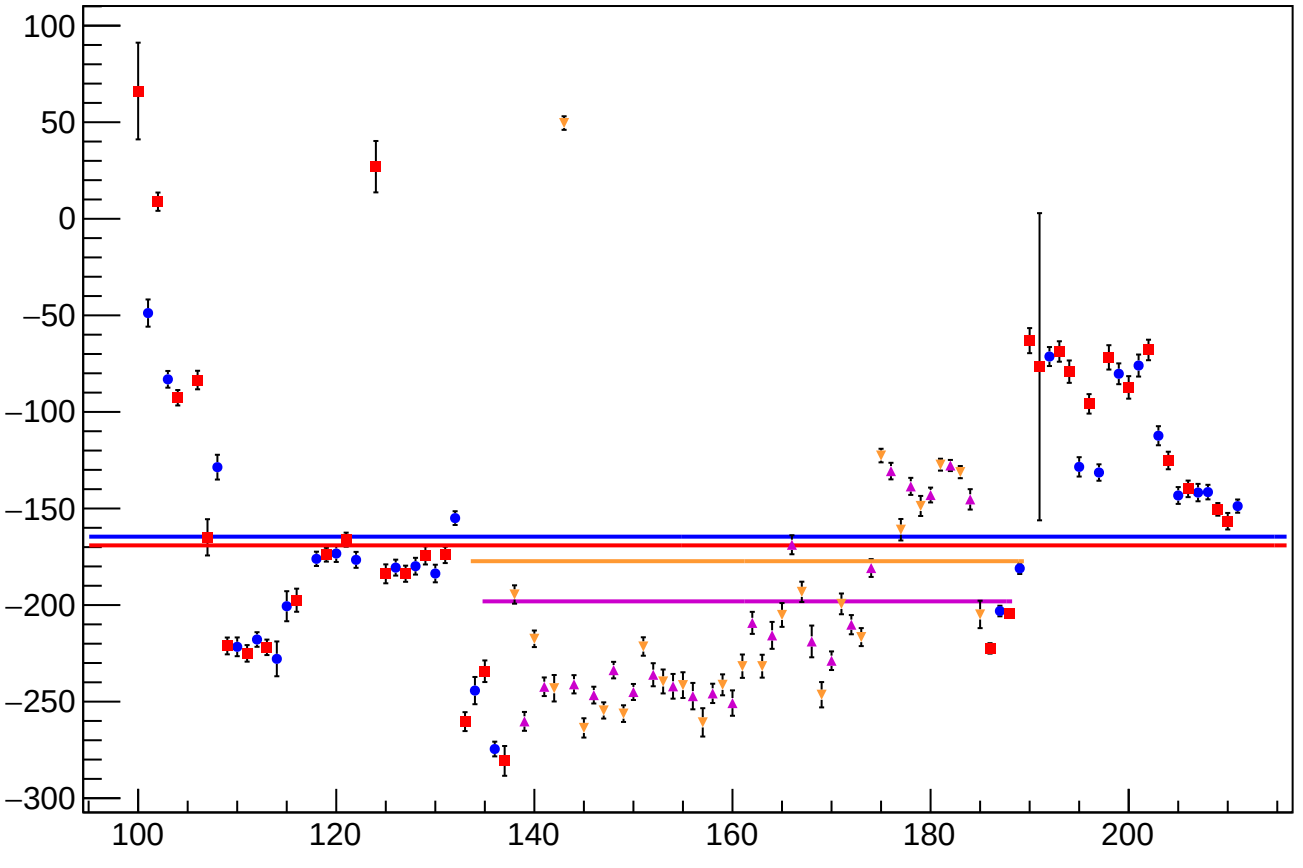
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -6.579+/-0.605 χ^2/NDF: 1276.6/60

In: 0.064+/-0.578 χ^2/NDF:1089.5/50

Out: -1.244+/-0.546 χ^2/NDF:1154.9/57

All: -0.627+/-0.397 χ^2/NDF: 2247.1/108



Right In: -164.580+/-0.816 χ^2/NDF: 3505.4/27

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.100+/-0.725 χ^2/NDF: 6692.6/32

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

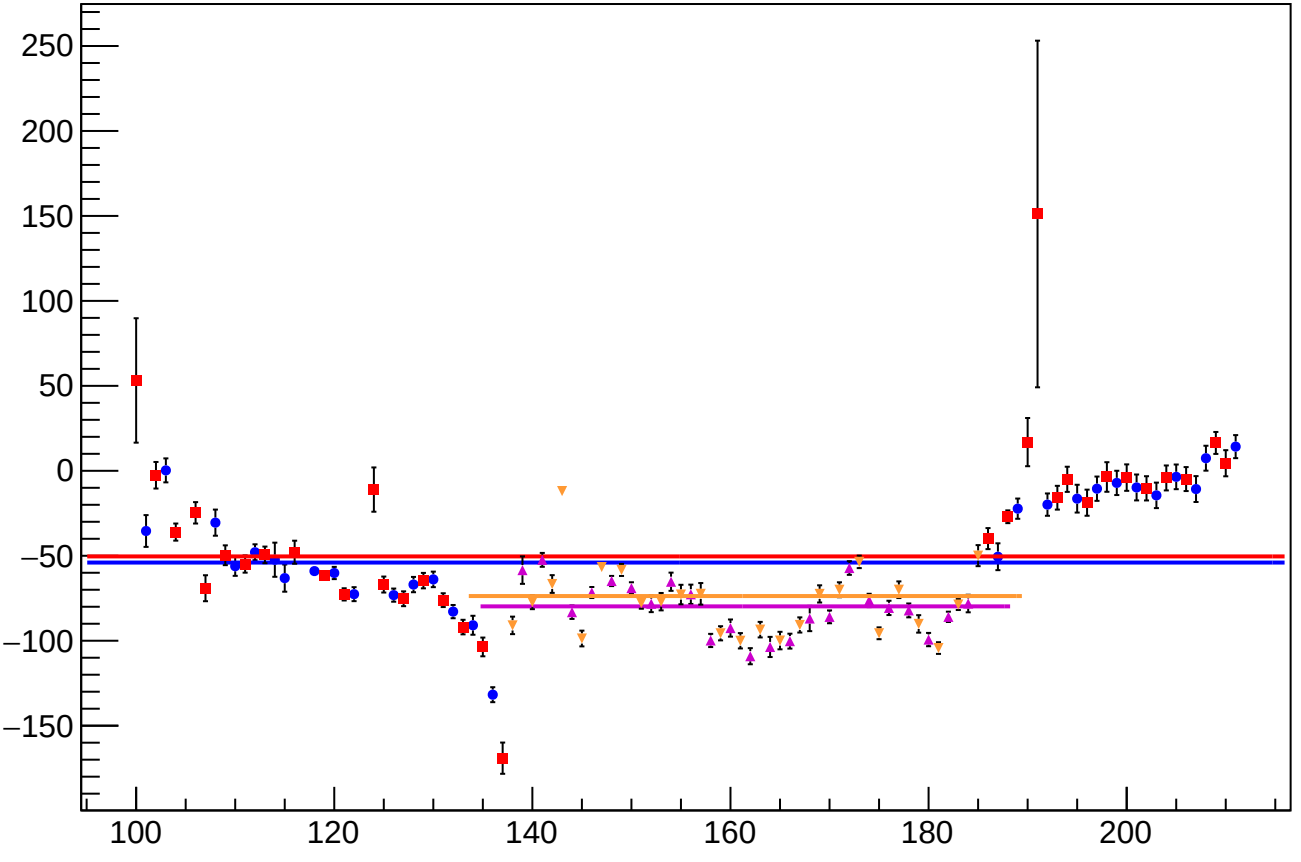
Right: -167.106+/-0.542 χ^2/NDF: 10215.1/60

In: -177.969+/-0.632 χ^2/NDF:6565.7/50

Out: -172.087+/-0.578 χ^2/NDF:13779.0/57

All: -174.763+/-0.426 χ^2/NDF: 20392.0/108

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -53.994+/-1.026 χ^2/NDF: 1019.5/27

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -50.378+/-0.989 χ^2/NDF: 1070.0/32

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

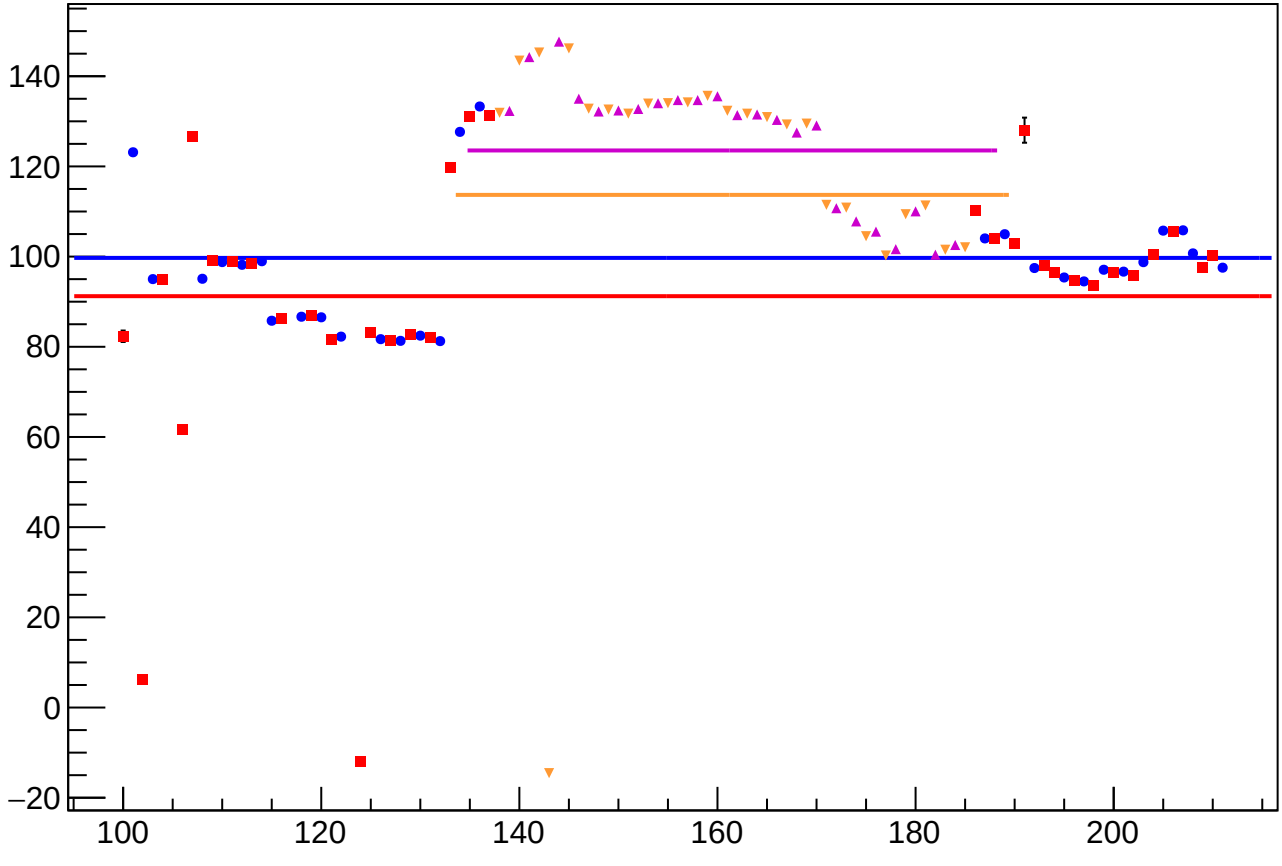
Right: -52.120+/-0.712 χ^2/NDF: 2095.9/60

In: -68.935+/-0.665 χ^2/NDF:1662.5/50

Out: -64.087+/-0.635 χ^2/NDF:2236.2/57

All: -66.400+/-0.460 χ^2/NDF: 3926.5/108

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.713+/-0.053 χ^2/NDF: 70097.3/27

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.223+/-0.050 χ^2/NDF: 288881.7/32

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

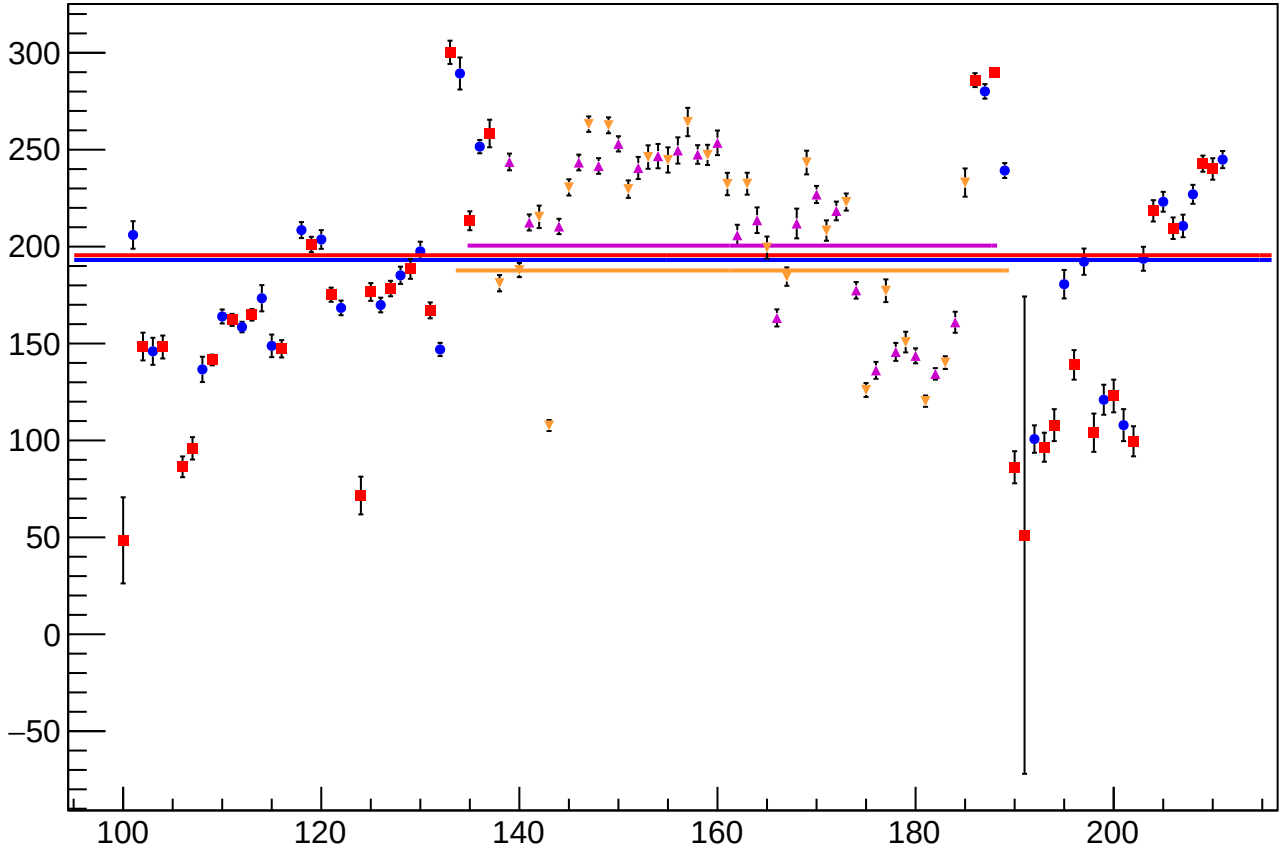
Right: 95.196+/-0.036 χ^2/NDF: 372664.7/60

In: 114.984+/-0.032 χ^2/NDF:334571.7/50

Out: 105.289+/-0.030 χ^2/NDF:1380253.0/57

All: 109.923+/-0.022 χ^2/NDF: 1763592.6/108

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 193.109+/-0.891 χ^2/NDF: 2401.7/27

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 195.547+/-0.802 χ^2/NDF: 6210.6/32

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

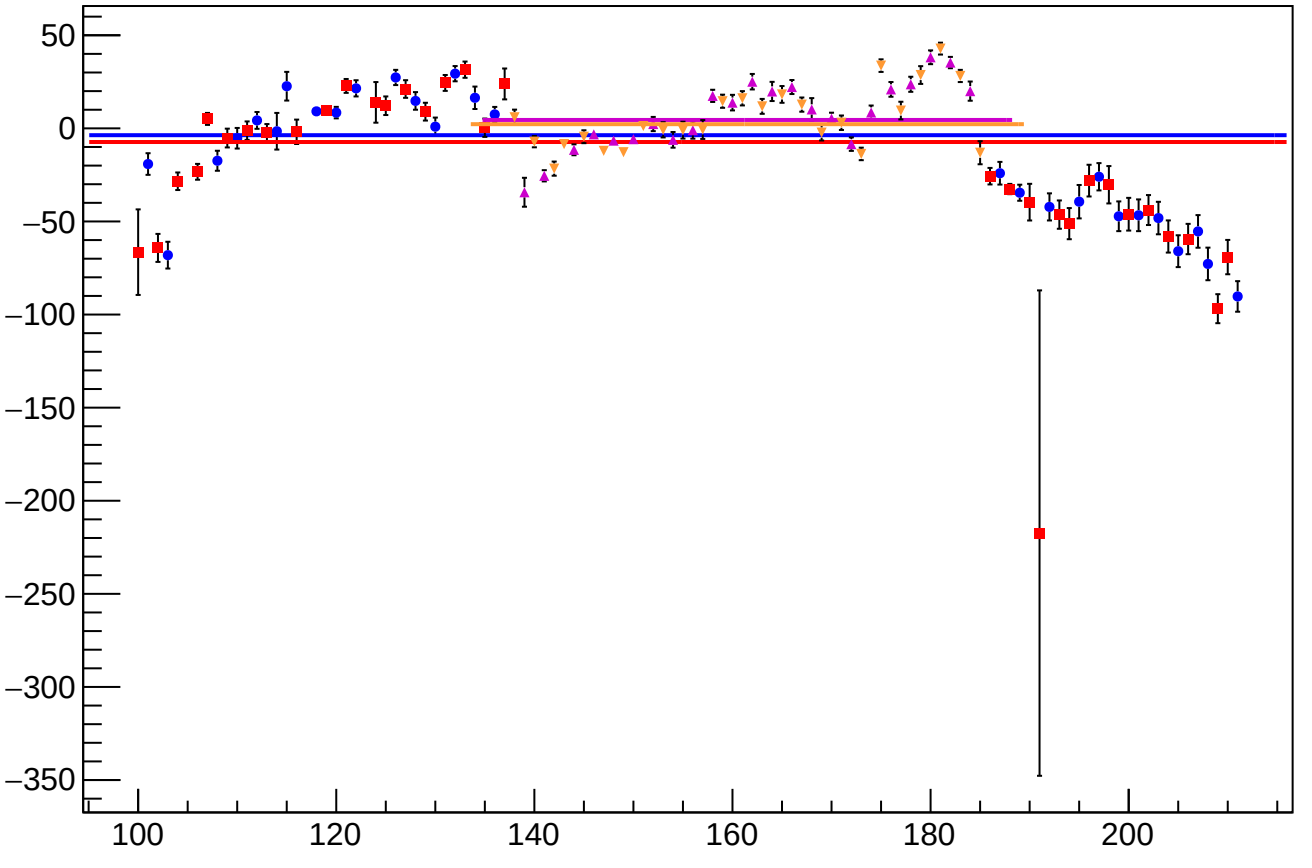
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 194.456+/-0.596 χ^2/NDF: 8616.4/60

In: 196.559+/-0.652 χ^2/NDF:4545.3/50

Out: 192.054+/-0.598 χ^2/NDF:9781.6/57

All: 194.114+/-0.441 χ^2/NDF: 14352.9/108



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

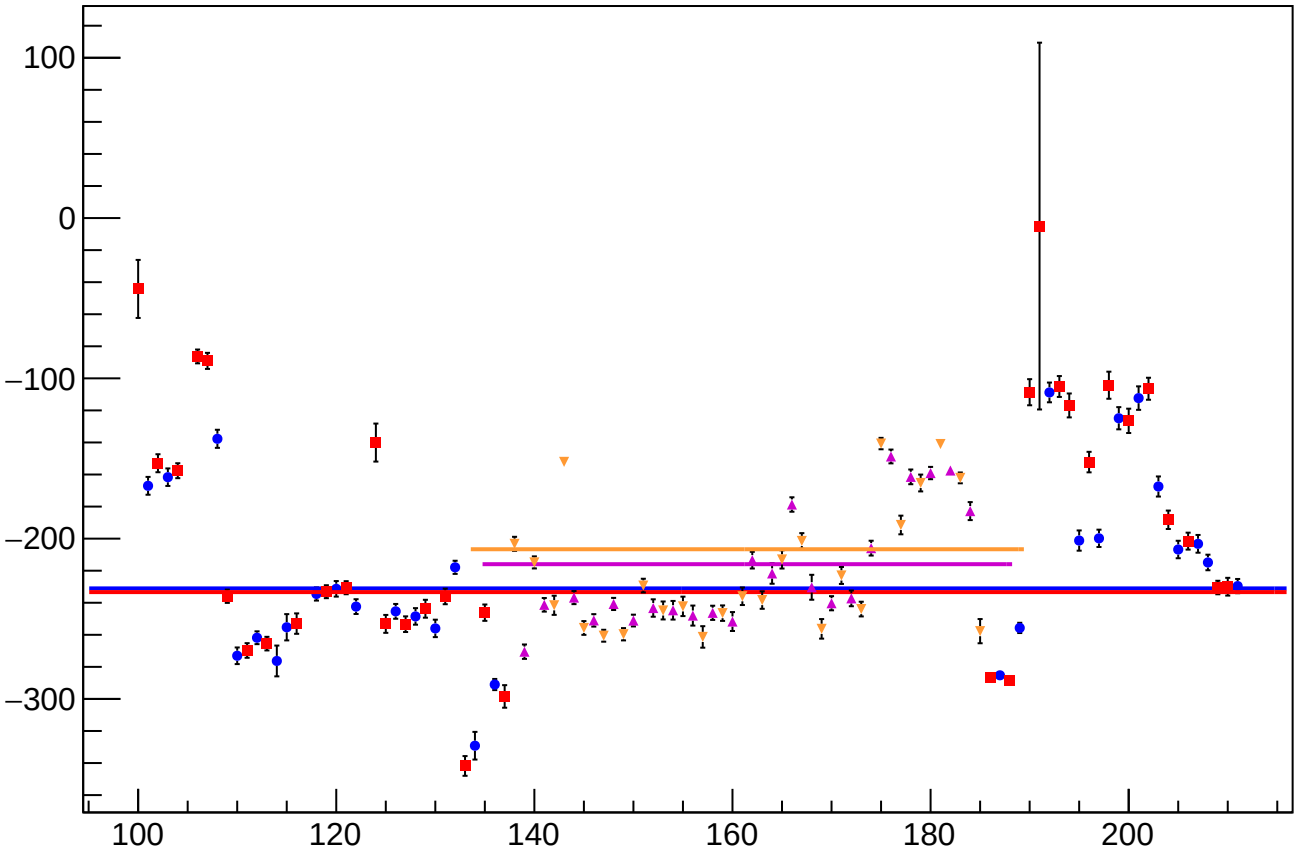
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -5.650+/-0.666 χ^2/NDF: 1722.6/60

In: 1.687+/-0.578 χ^2/NDF:1392.6/50

Out: -1.107+/-0.536 χ^2/NDF:1588.4/57

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

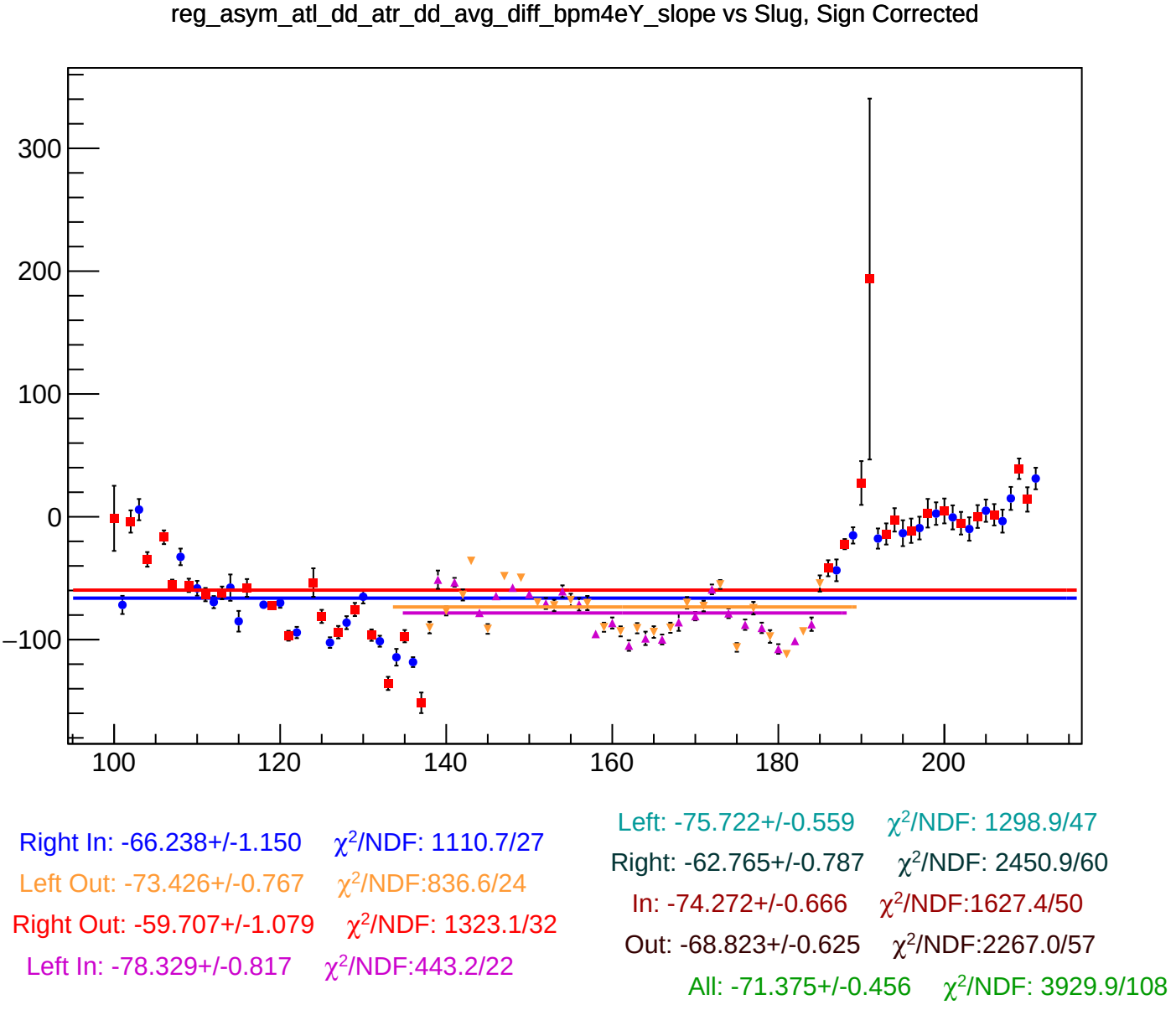
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.359+/-0.610 χ^2/NDF: 9346.9/60

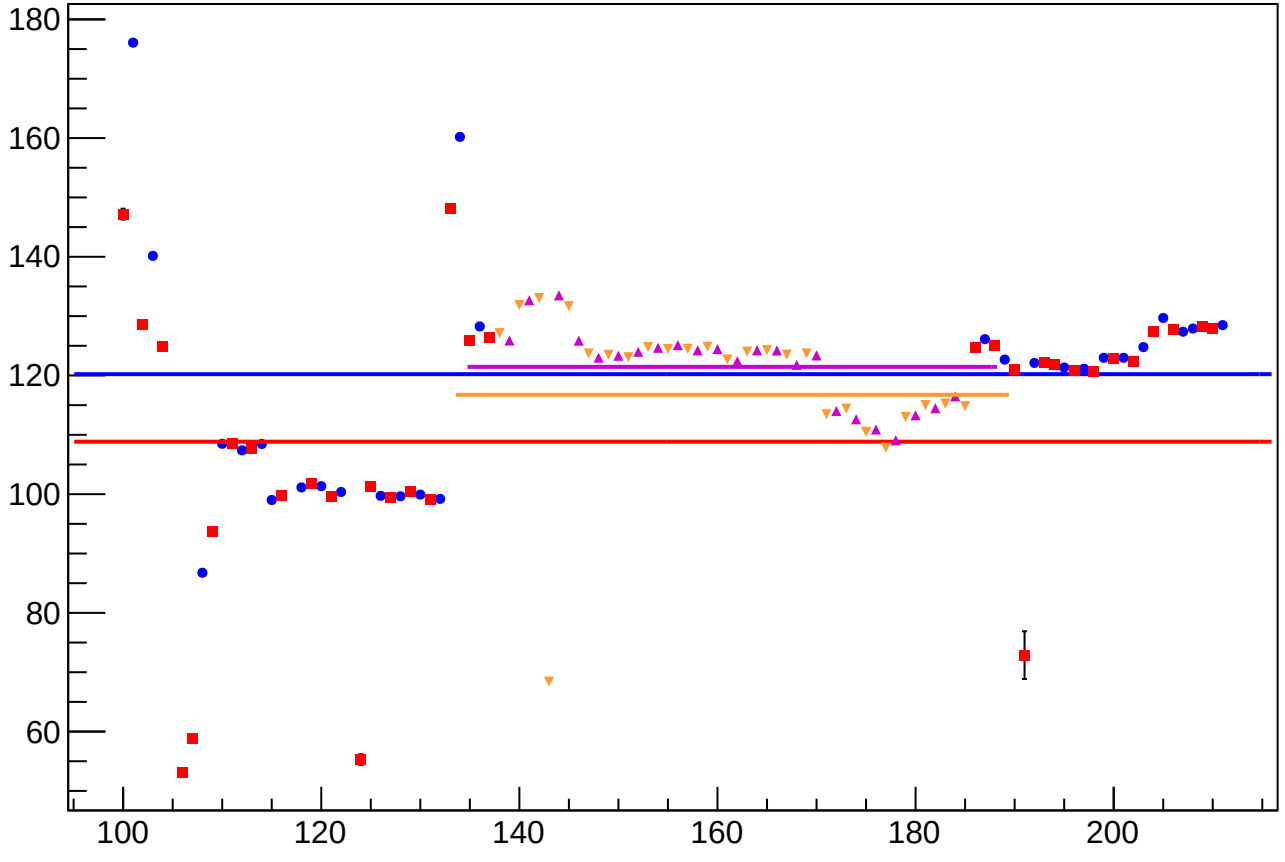
In: -223.628+/-0.663 χ^2/NDF:4524.9/50

Out: -221.336+/-0.600 χ^2/NDF:9619.6/57

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -66.238+/-1.150 χ²/NDF: 1110.7/27
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -59.707+/-1.079 χ²/NDF: 1323.1/32
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -62.765+/-0.787 χ²/NDF: 2450.9/60
In: -74.272+/-0.666 χ²/NDF:1627.4/50
Out: -68.823+/-0.625 χ²/NDF:2267.0/57
All: -71.375+/-0.456 χ²/NDF: 3929.9/108

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

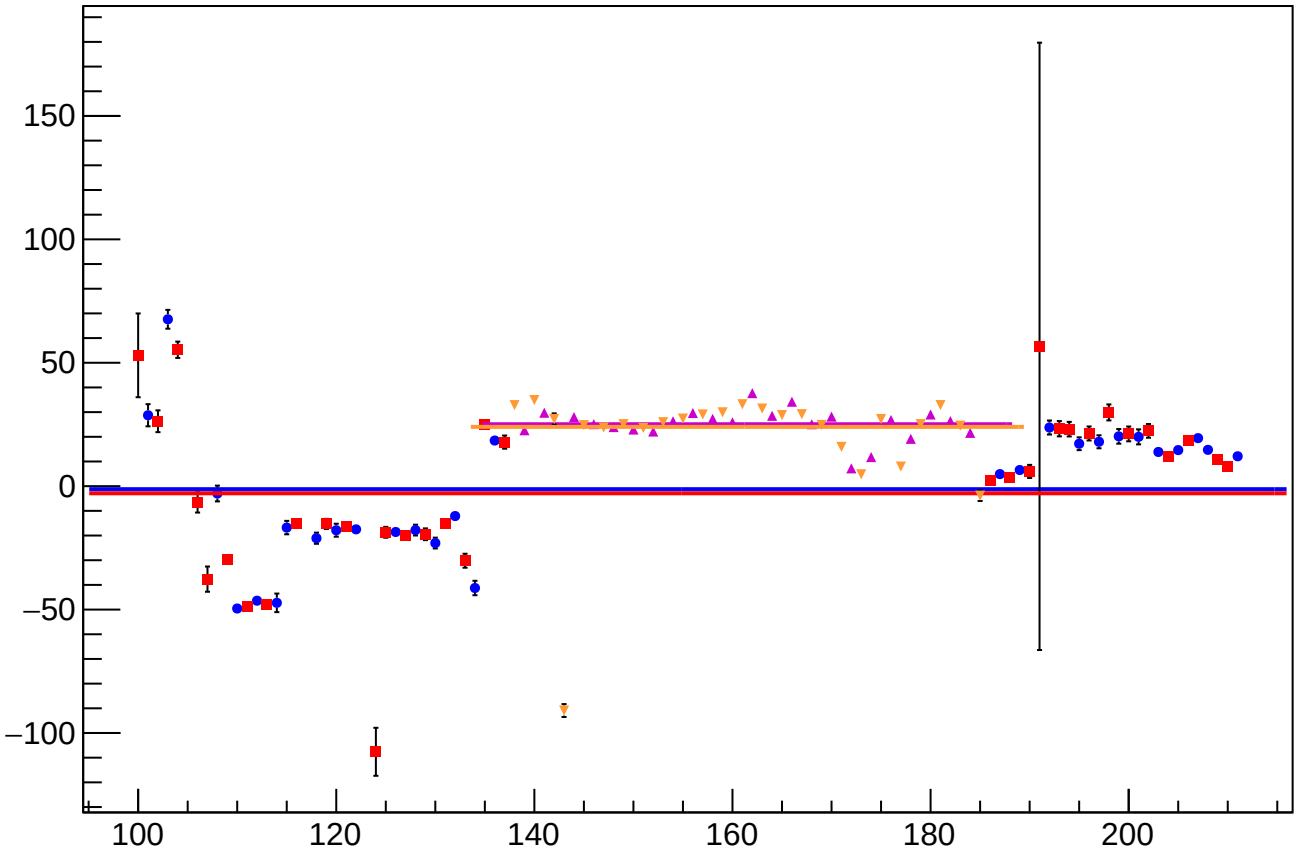
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.009+/-0.041 χ^2/NDF: 330318.3/60

In: 121.116+/-0.032 χ^2/NDF:127901.9/50

Out: 114.400+/-0.030 χ^2/NDF:430277.6/57

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108



Right In: -1.216+/-0.389 χ^2/NDF: 3652.3/27

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.885+/-0.364 χ^2/NDF: 3872.1/32

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

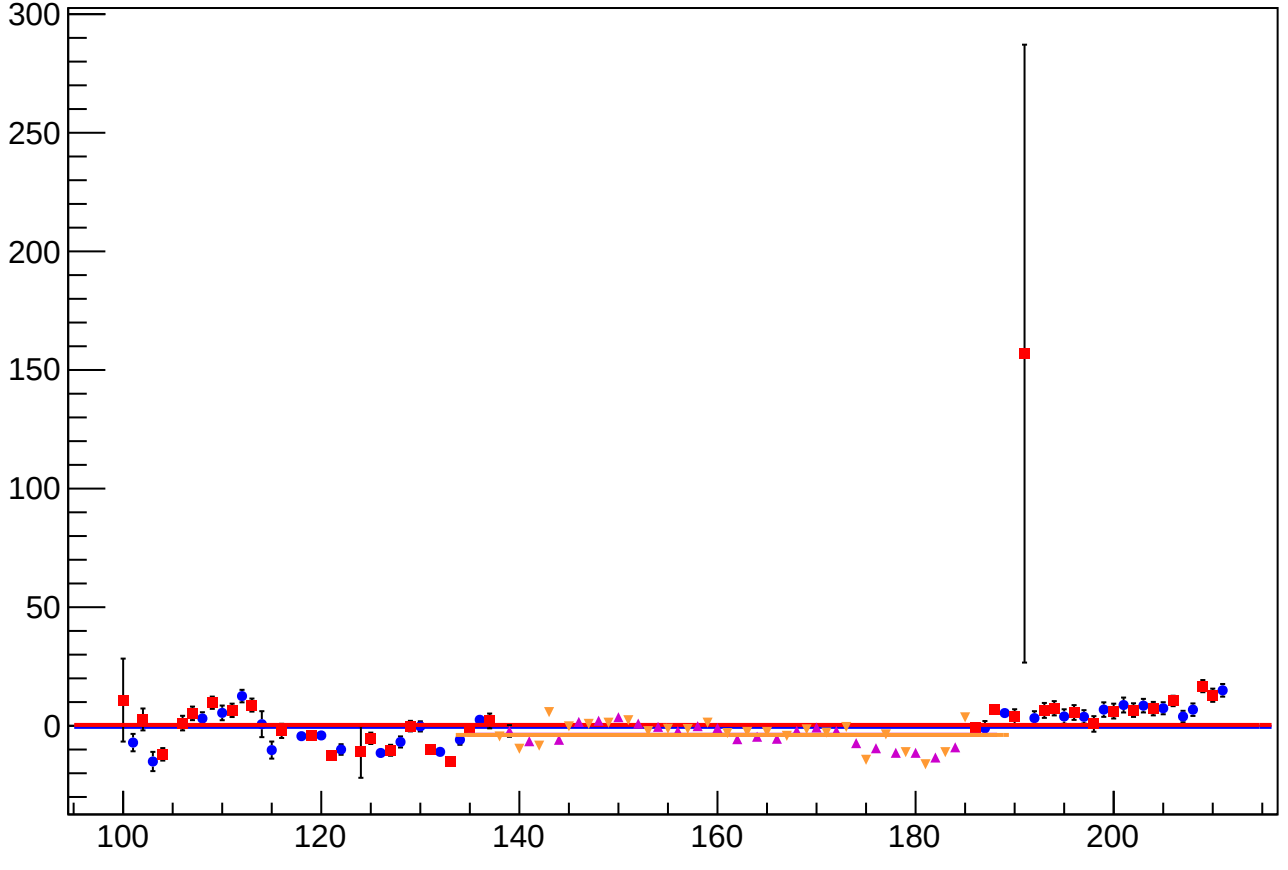
Right: -2.106+/-0.266 χ^2/NDF: 7534.3/60

In: 15.807+/-0.231 χ^2/NDF:7107.6/50

Out: 13.921+/-0.223 χ^2/NDF:10093.1/57

All: 14.830+/-0.160 χ^2/NDF: 17235.3/108

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.441+/-0.452 χ^2/NDF: 249.4/27

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.379+/-0.432 χ^2/NDF: 346.6/32

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

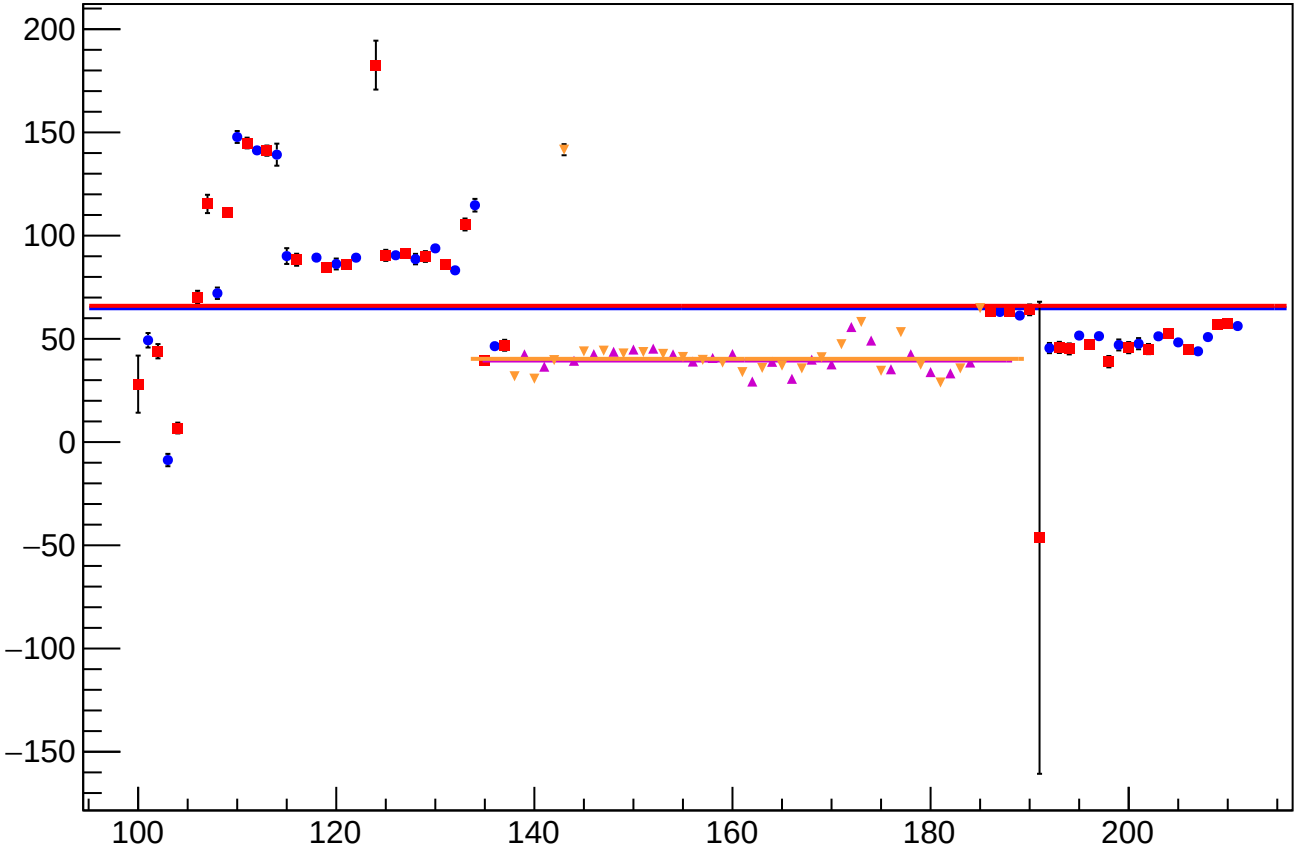
Right: -0.013+/-0.312 χ^2/NDF: 597.7/60

In: -3.123+/-0.200 χ^2/NDF:803.2/50

Out: -2.990+/-0.195 χ^2/NDF:1072.1/57

All: -3.054+/-0.140 χ^2/NDF: 1875.5/108

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 64.814+/-0.397 χ^2/NDF: 4642.3/27

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 66.007+/-0.361 χ^2/NDF: 4826.8/32

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

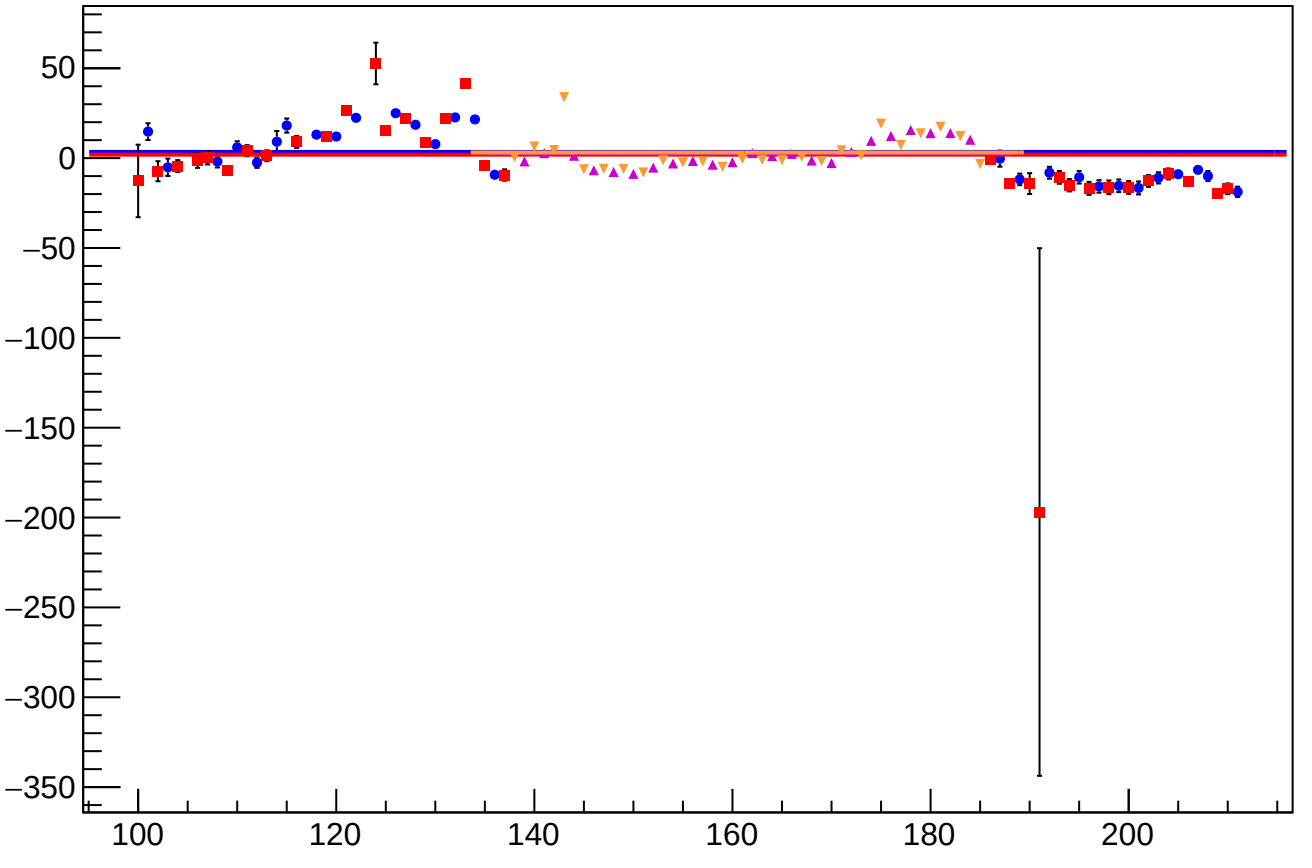
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 65.468+/-0.267 χ^2/NDF: 9474.1/60

In: 48.093+/-0.231 χ^2/NDF:7756.1/50

Out: 49.975+/-0.221 χ^2/NDF:10171.8/57

All: 49.076+/-0.160 χ^2/NDF: 17962.5/108



Right In: 3.458+/-0.517 χ^2/NDF: 763.5/27

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 1.931+/-0.508 χ^2/NDF: 1001.3/32

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

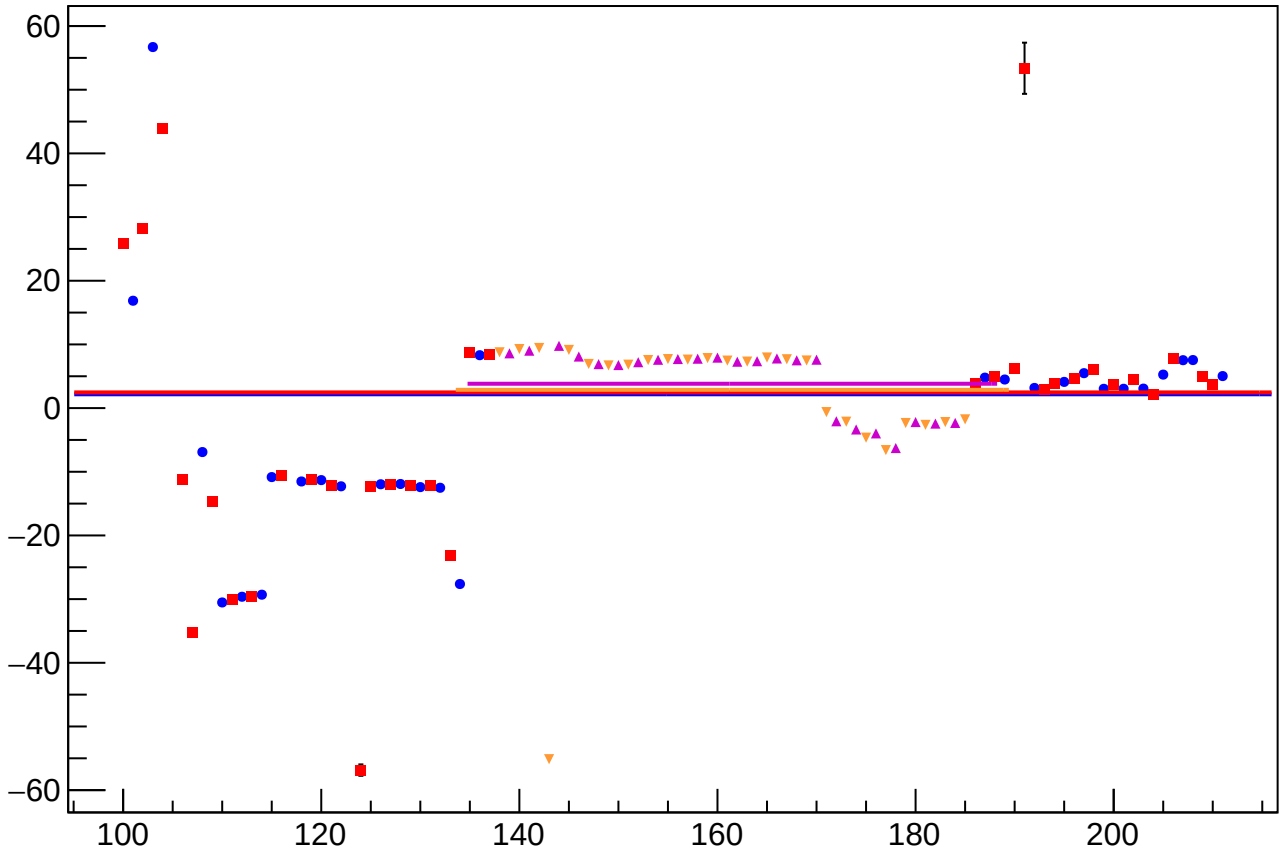
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 2.681+/-0.362 χ^2/NDF: 1769.2/60

In: 2.698+/-0.226 χ^2/NDF:1734.4/50

Out: 2.913+/-0.221 χ^2/NDF:2272.9/57

All: 2.808+/-0.158 χ^2/NDF: 4007.7/108



Right In: 2.168+/-0.024 χ^2/NDF: 382828.5/27

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.465+/-0.024 χ^2/NDF: 330670.8/32

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

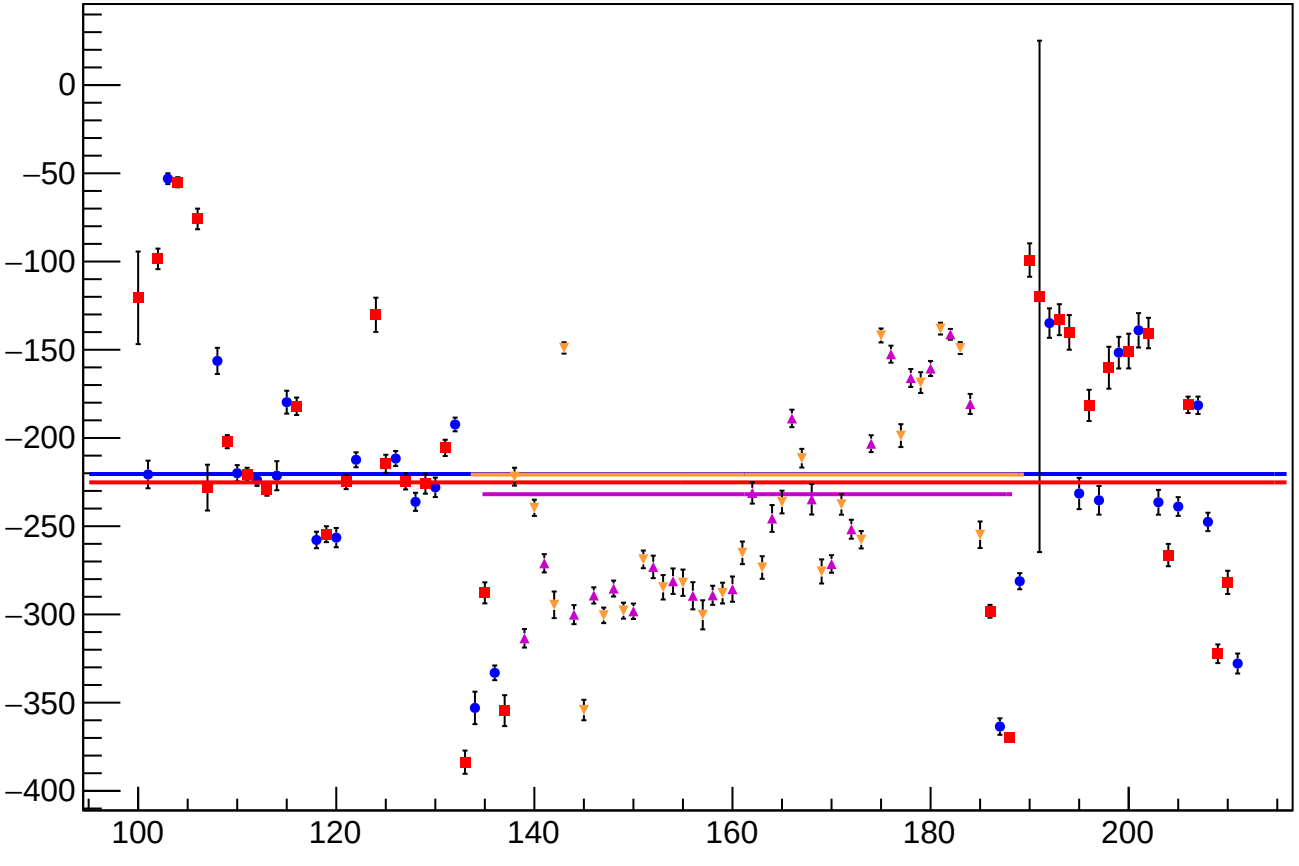
Right: 2.318+/-0.017 χ^2/NDF: 713573.8/60

In: 3.542+/-0.010 χ^2/NDF:619864.7/50

Out: 2.801+/-0.010 χ^2/NDF:843234.2/57

All: 3.168+/-0.007 χ^2/NDF: 1465812.4/108

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -220.427+/-0.982 χ^2/NDF: 6029.4/27

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -225.158+/-0.899 χ^2/NDF: 10687.7/32

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

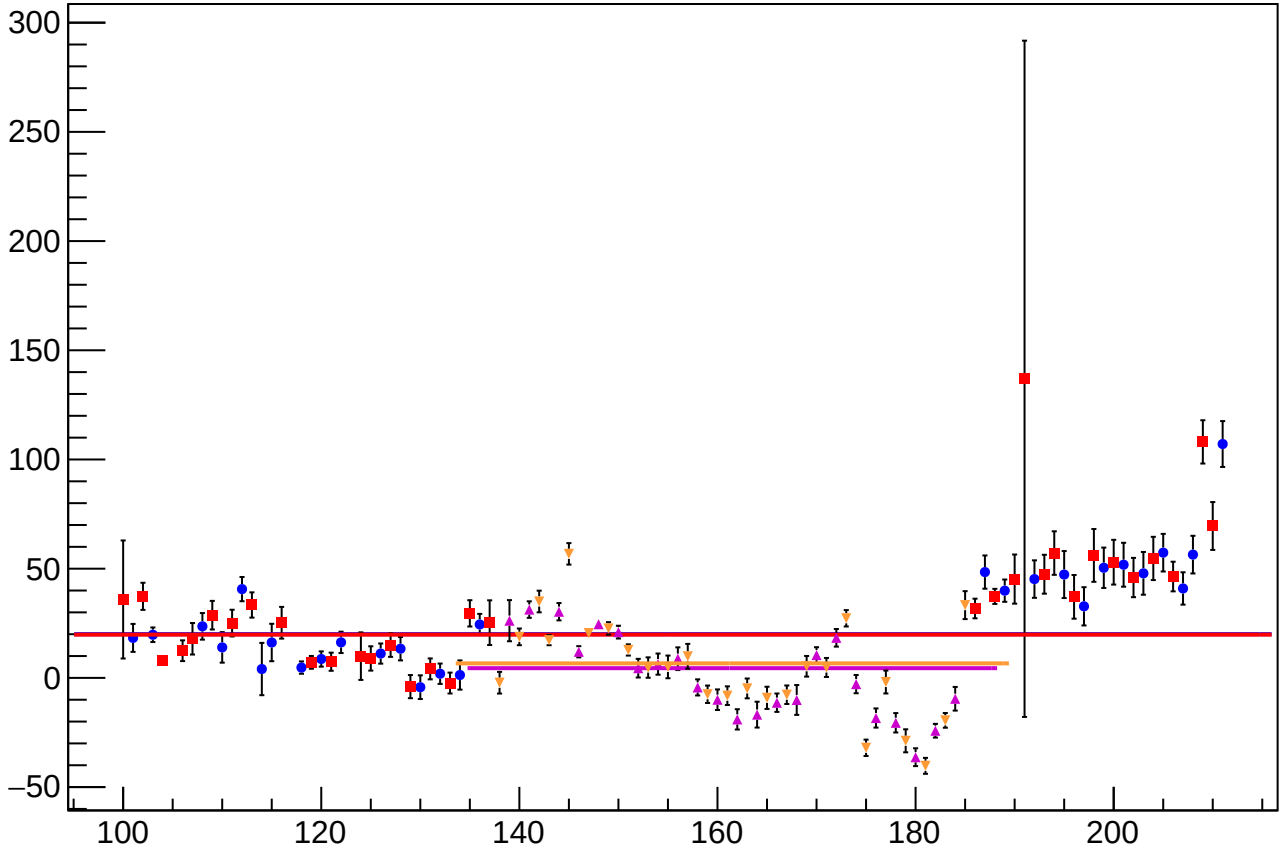
Right: -223.002+/-0.663 χ^2/NDF: 16729.7/60

In: -225.624+/-0.726 χ^2/NDF:9251.3/50

Out: -223.215+/-0.674 χ^2/NDF:14750.6/57

All: -224.331+/-0.494 χ^2/NDF: 24007.9/108

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.011+/-1.073 χ^2/NDF: 295.3/27

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 19.803+/-0.977 χ^2/NDF: 355.7/32

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

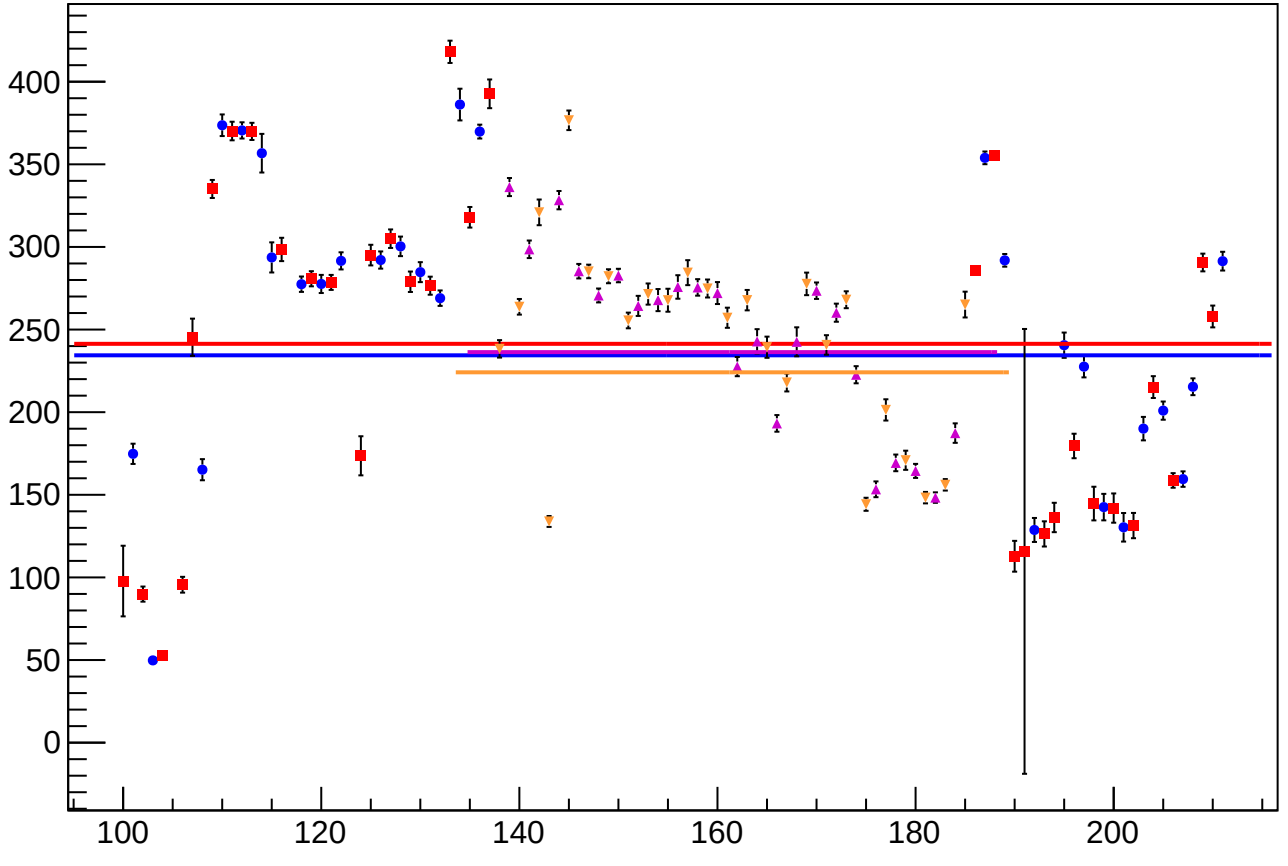
Right: 19.898+/-0.722 χ^2/NDF: 651.0/60

In: 10.070+/-0.645 χ^2/NDF:996.8/50

Out: 11.544+/-0.596 χ^2/NDF:1204.6/57

All: 10.865+/-0.438 χ^2/NDF: 2204.1/108

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 234.414+/-0.989 χ^2/NDF: 11513.5/27

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 241.366+/-0.878 χ^2/NDF: 17061.7/32

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

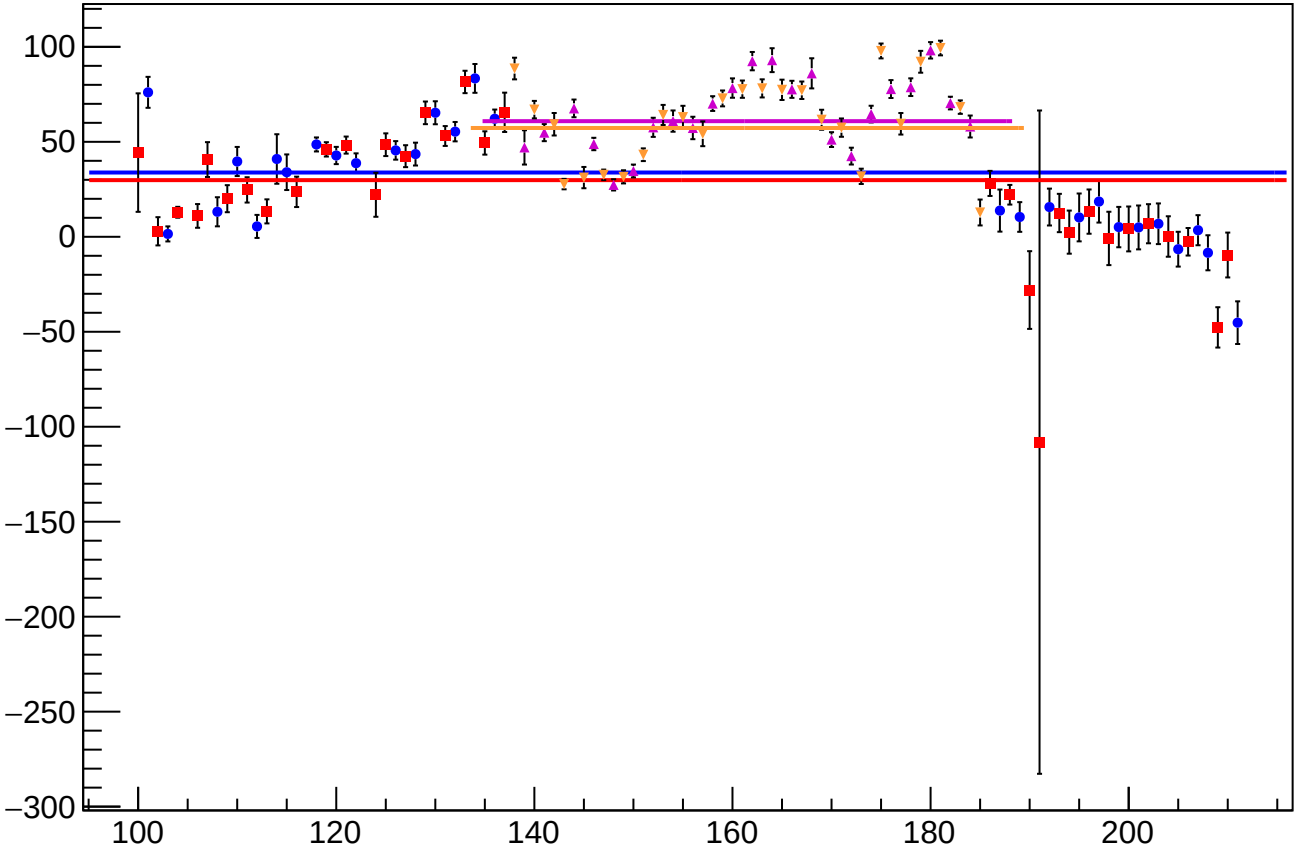
Right: 238.303+/-0.656 χ^2/NDF: 28602.9/60

In: 235.305+/-0.725 χ^2/NDF:14508.2/50

Out: 233.978+/-0.663 χ^2/NDF:21193.8/57

All: 234.583+/-0.489 χ^2/NDF: 35703.8/108

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.843+/-1.256 χ^2/NDF: 419.9/27

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 29.830+/-1.171 χ^2/NDF: 401.4/32

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

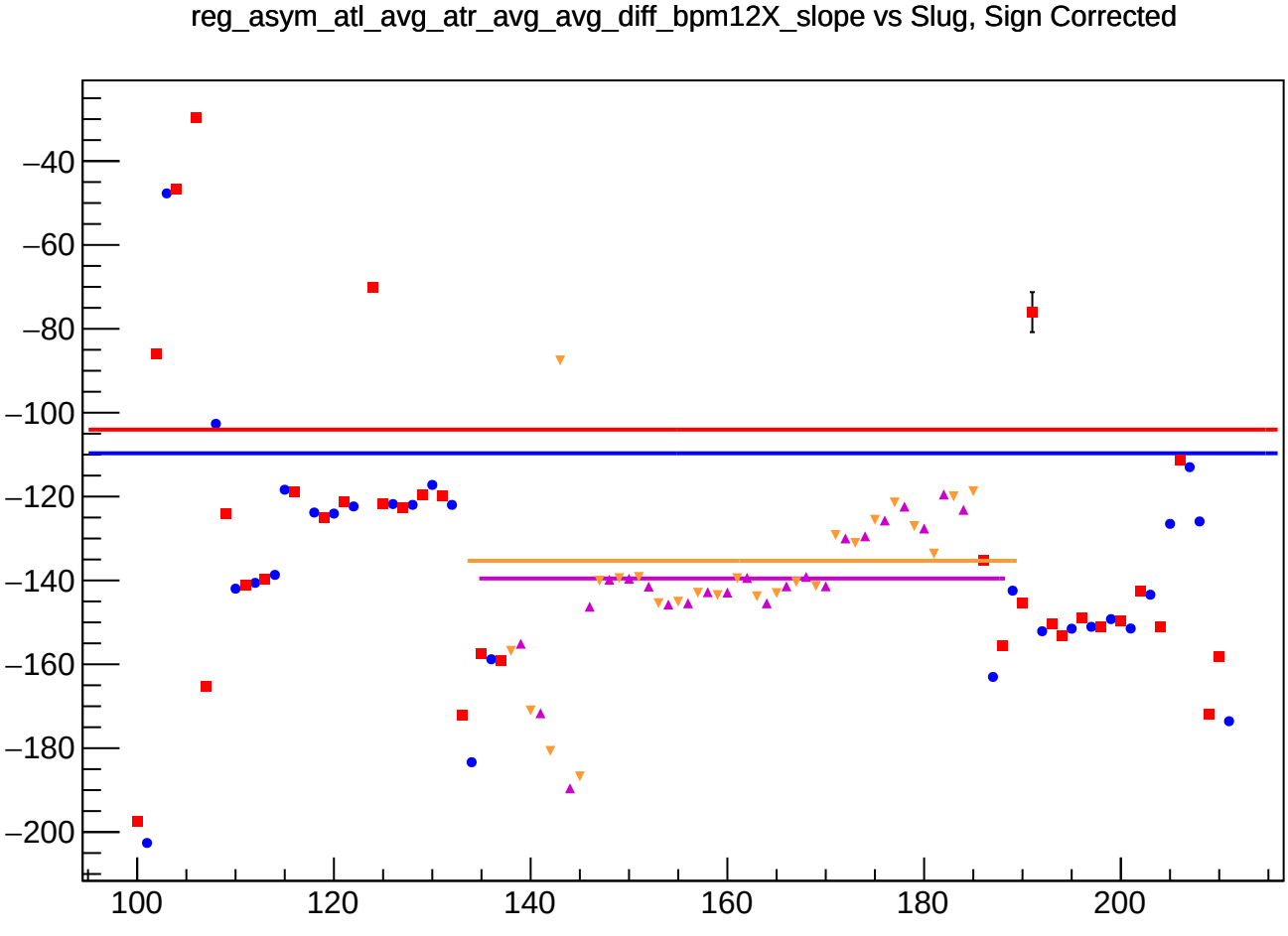
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.696+/-0.856 χ^2/NDF: 826.7/60

In: 51.399+/-0.743 χ^2/NDF:1175.6/50

Out: 47.548+/-0.697 χ^2/NDF:1524.3/57

All: 49.350+/-0.509 χ^2/NDF: 2714.2/108



Right In: -109.678+/-0.058 χ^2/NDF: 679769.3/27

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -104.030+/-0.056 χ^2/NDF: 749068.0/32

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

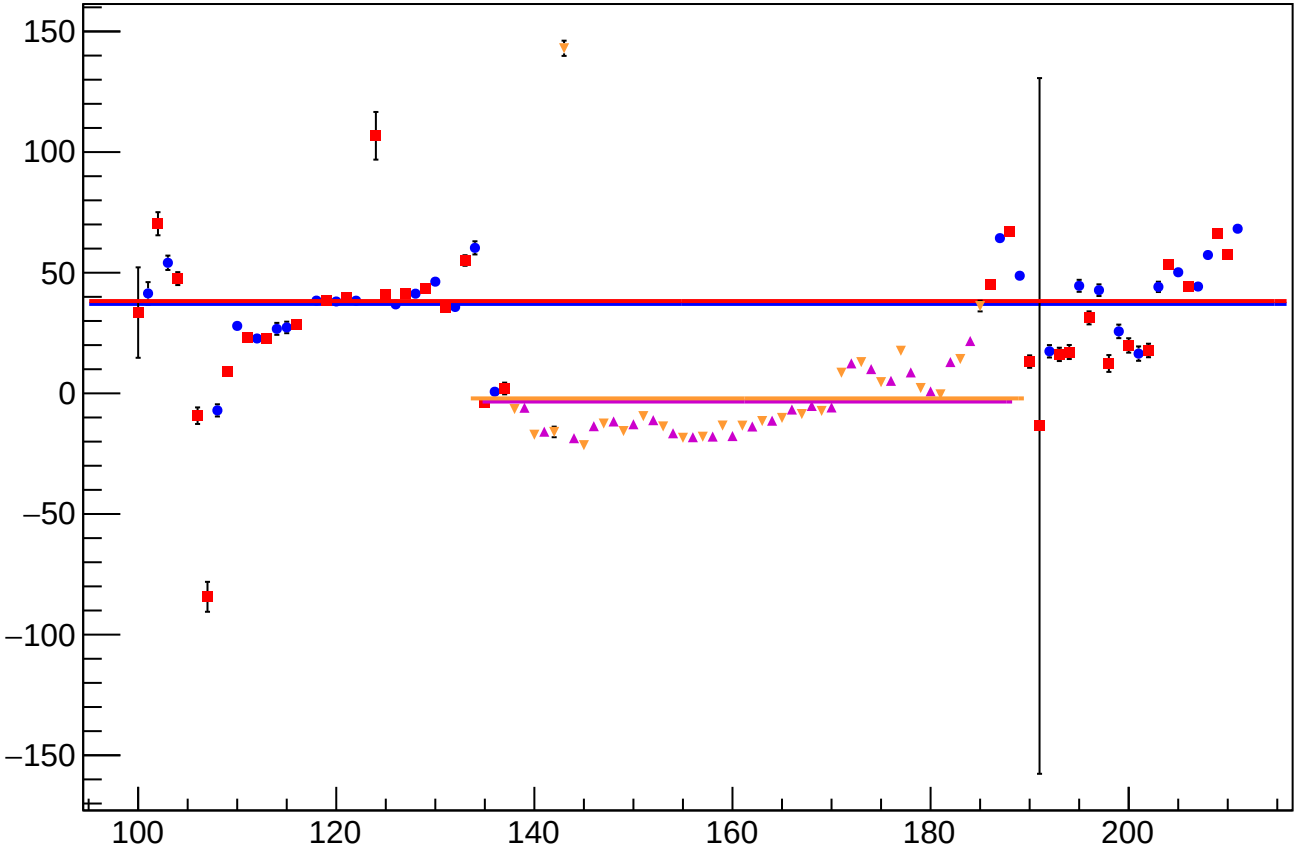
Right: -106.742+/-0.040 χ^2/NDF: 1433763.0/60

In: -129.231+/-0.034 χ^2/NDF:967698.0/50

Out: -124.476+/-0.033 χ^2/NDF:1217657.9/57

All: -126.763+/-0.024 χ^2/NDF: 2195462.8/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 37.072+/-0.334 χ^2/NDF: 2894.3/27

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 38.251+/-0.298 χ^2/NDF: 5139.9/32

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

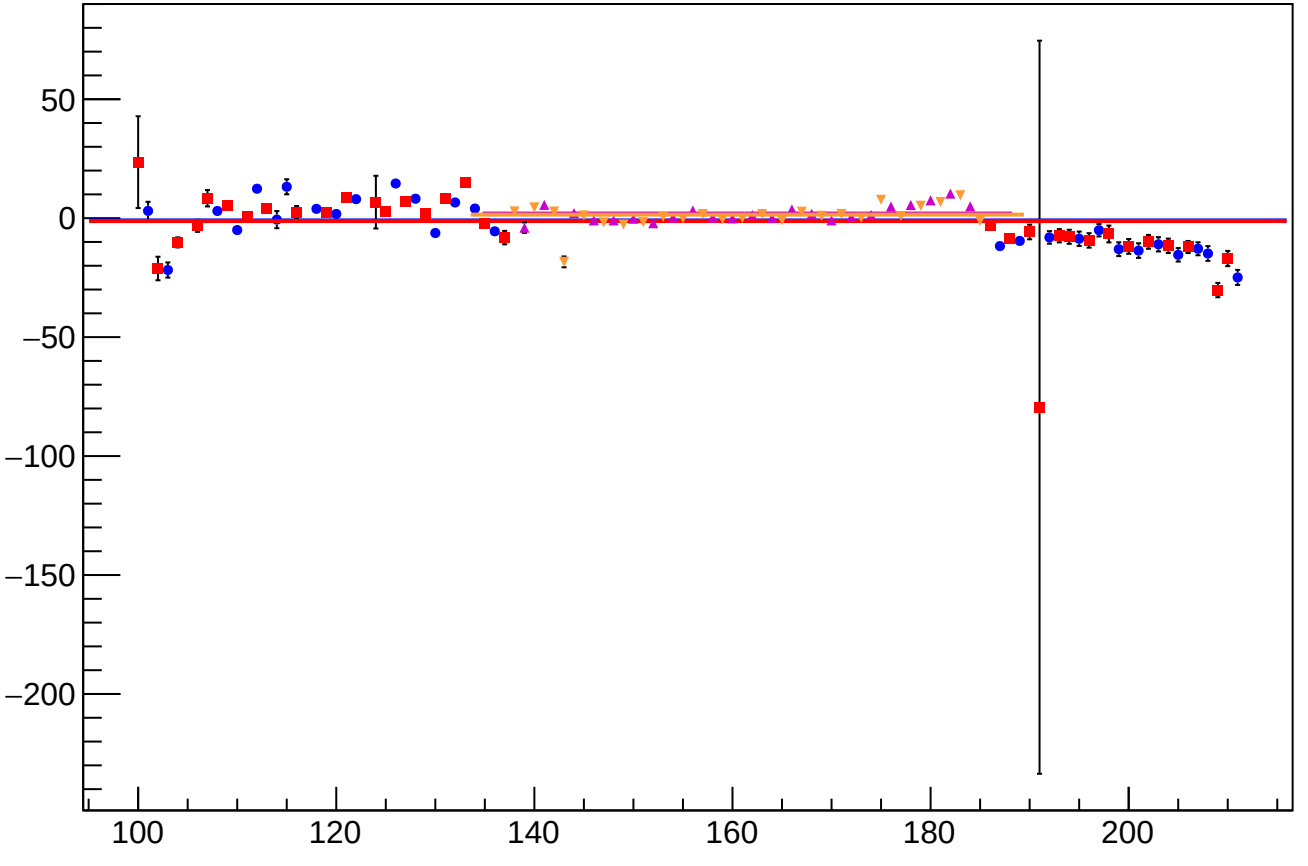
Right: 37.729+/-0.223 χ^2/NDF: 8041.1/60

In: 12.671+/-0.211 χ^2/NDF:13477.8/50

Out: 15.834+/-0.199 χ^2/NDF:19502.7/57

All: 14.344+/-0.145 χ^2/NDF: 33099.8/108

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.956+/-0.379 χ^2/NDF: 568.7/27

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.219+/-0.353 χ^2/NDF: 528.4/32

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

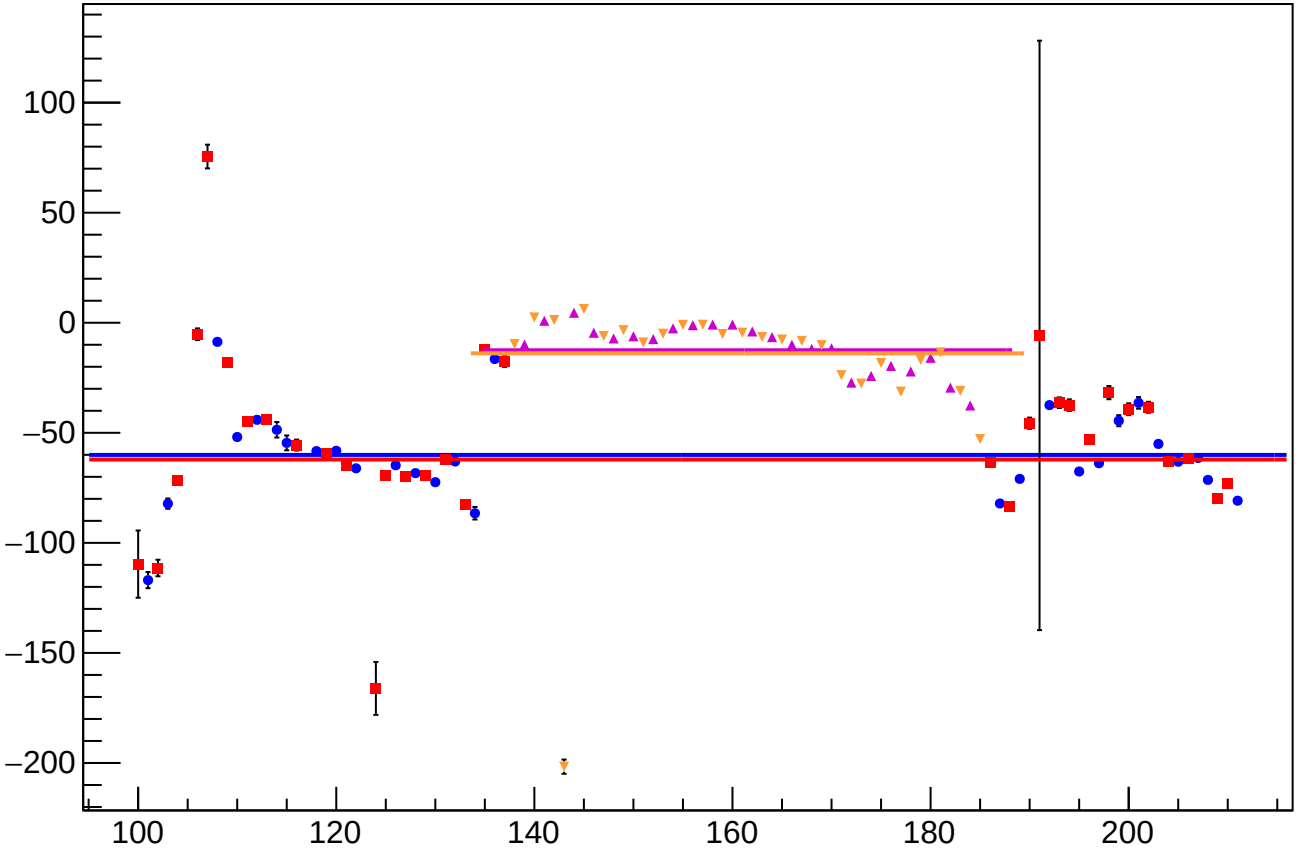
Right: -1.096+/-0.258 χ^2/NDF: 1097.3/60

In: 1.252+/-0.184 χ^2/NDF:853.8/50

Out: 0.808+/-0.177 χ^2/NDF:900.8/57

All: 1.022+/-0.128 χ^2/NDF: 1757.6/108

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.042+/-0.345 χ^2/NDF: 3538.8/27

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.142+/-0.294 χ^2/NDF: 5624.1/32

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

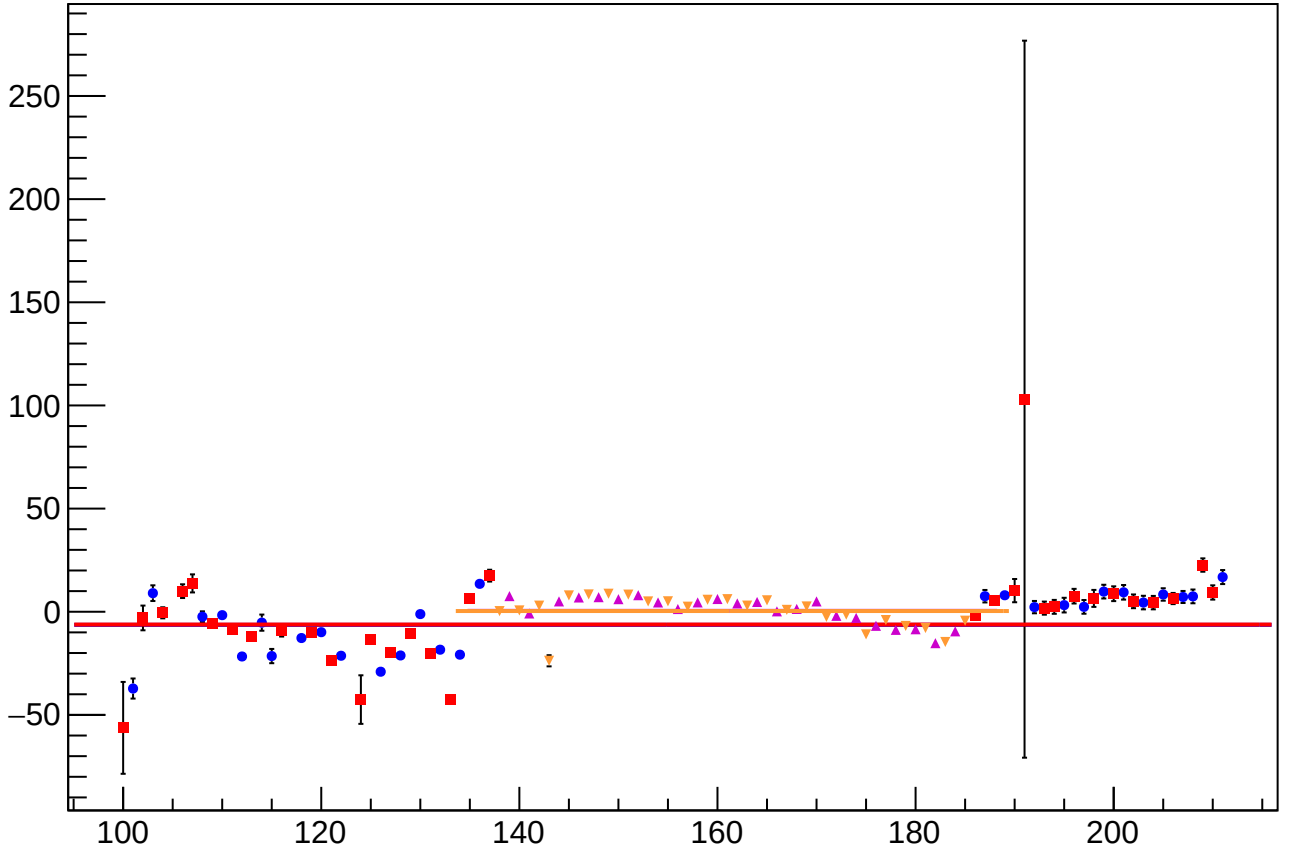
Right: -61.259+/-0.224 χ^2/NDF: 9184.3/60

In: -30.427+/-0.212 χ^2/NDF:16779.2/50

Out: -35.488+/-0.197 χ^2/NDF:25607.6/57

All: -33.147+/-0.144 χ^2/NDF: 42692.8/108

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.366+/-0.440 χ^2/NDF: 984.1/27

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.207+/-0.424 χ^2/NDF: 1041.6/32

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

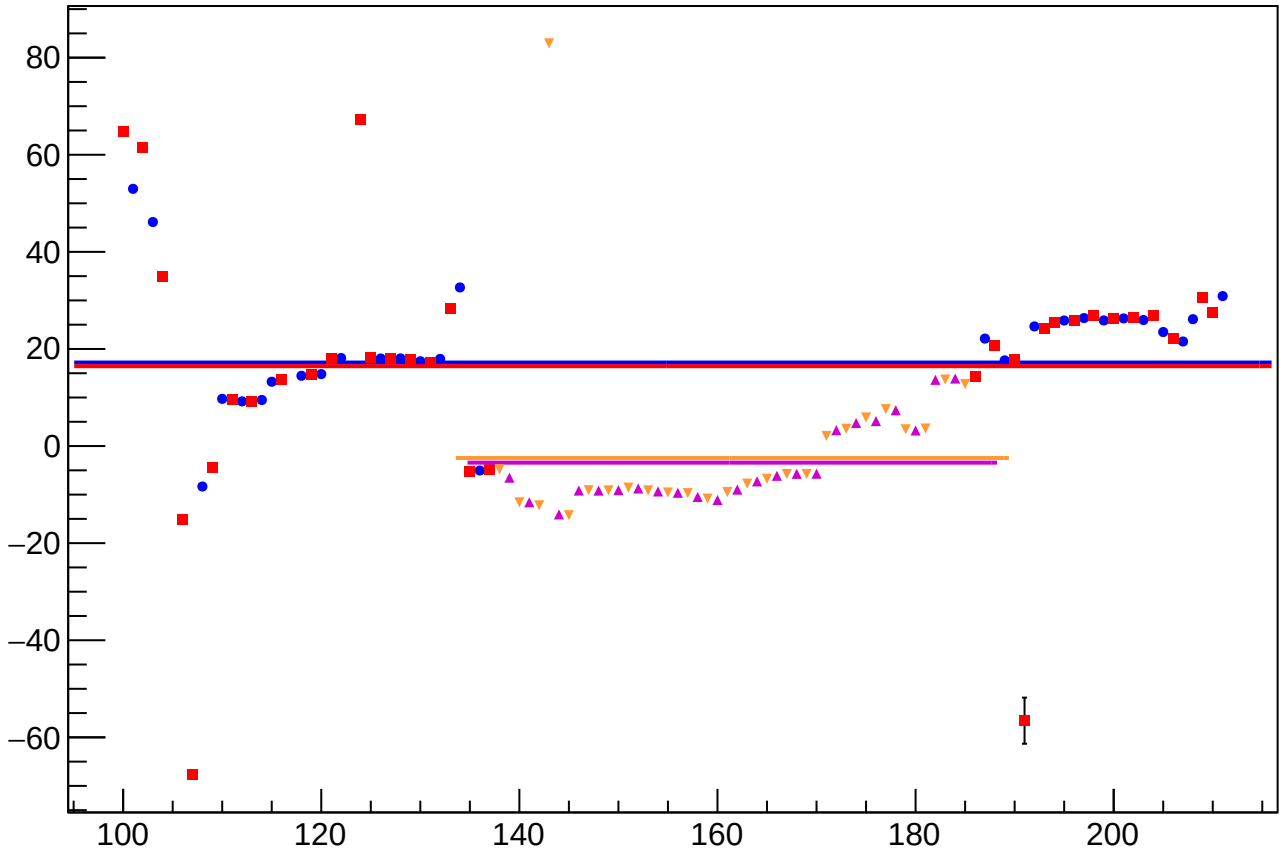
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.283+/-0.305 χ^2/NDF: 2025.8/60

In: -1.090+/-0.208 χ^2/NDF:1951.1/50

Out: -1.158+/-0.203 χ^2/NDF:2147.5/57

All: -1.125+/-0.145 χ^2/NDF: 4098.7/108



Right In: 17.202+/-0.022 χ^2/NDF: 445272.0/27

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.449+/-0.022 χ^2/NDF: 571602.1/32

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

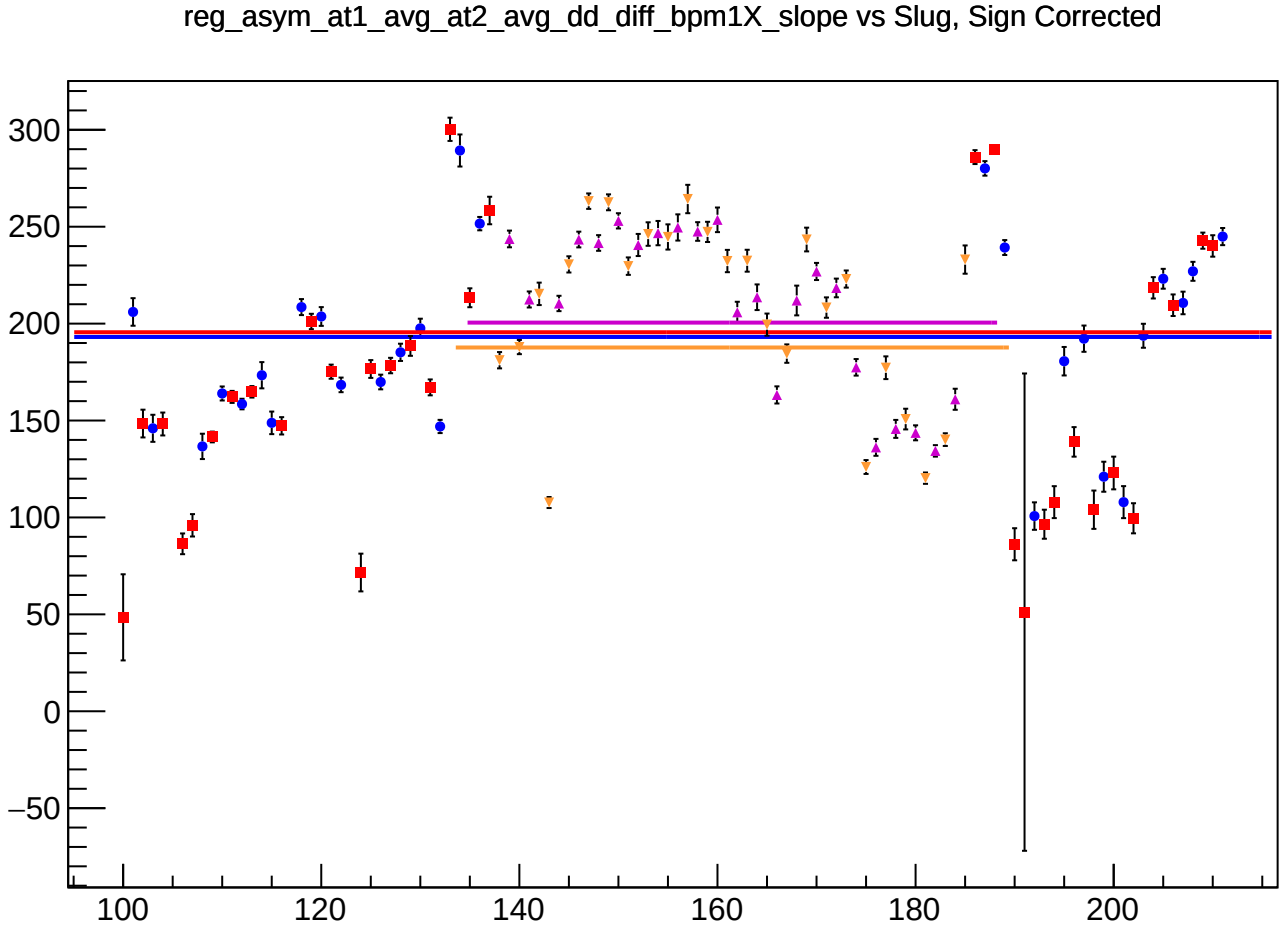
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

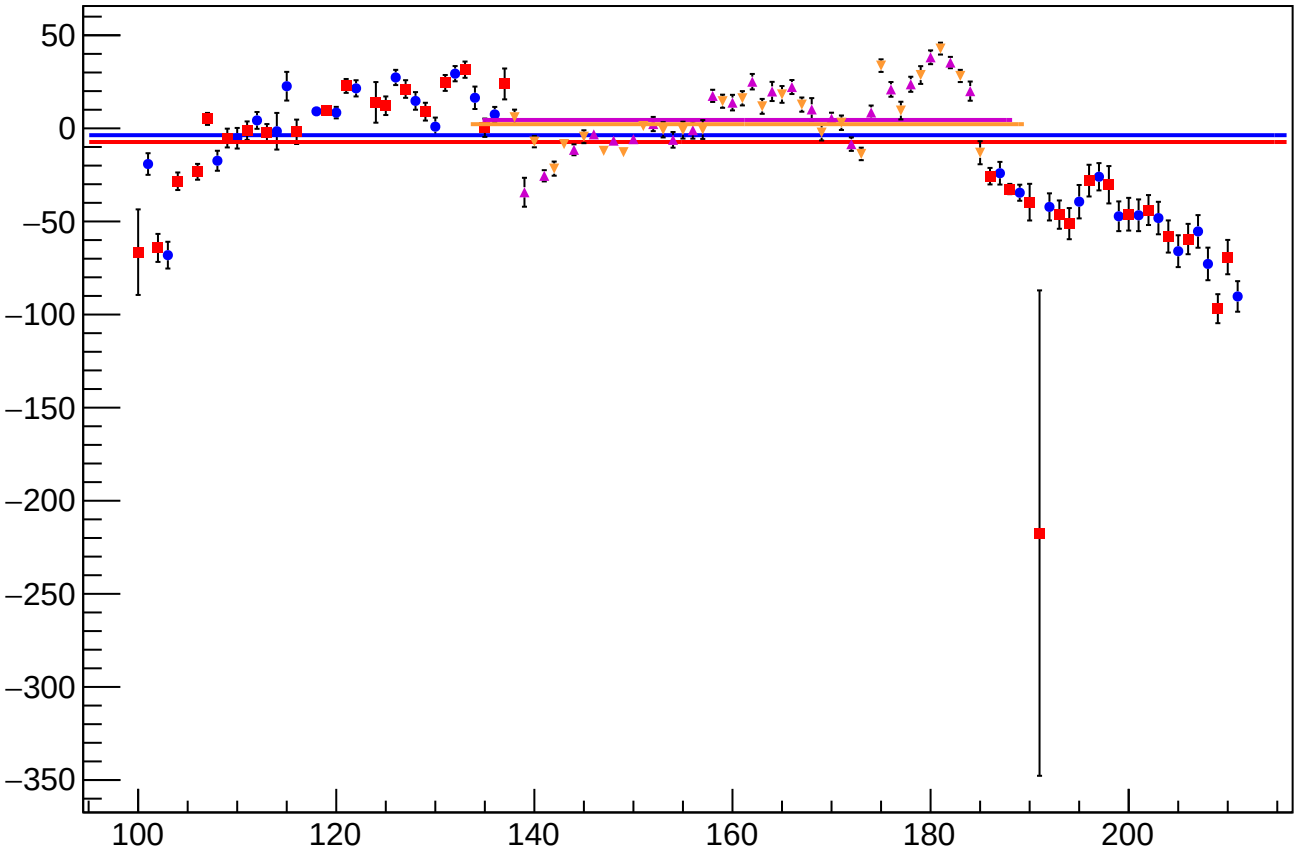
Right: 16.820+/-0.016 χ^2/NDF: 1017452.9/60

In: 0.294+/-0.009 χ^2/NDF:1694388.5/50

Out: 0.980+/-0.009 χ^2/NDF:2138743.3/57

All: 0.641+/-0.007 χ^2/NDF: 3835788.6/108


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 193.109+/-0.891 χ²/NDF: 2401.7/27
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 195.547+/-0.802 χ²/NDF: 6210.6/32
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 194.456+/-0.596 χ²/NDF: 8616.4/60
In: 196.559+/-0.652 χ²/NDF:4545.3/50
Out: 192.054+/-0.598 χ²/NDF:9781.6/57
All: 194.114+/-0.441 χ²/NDF: 14352.9/108



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

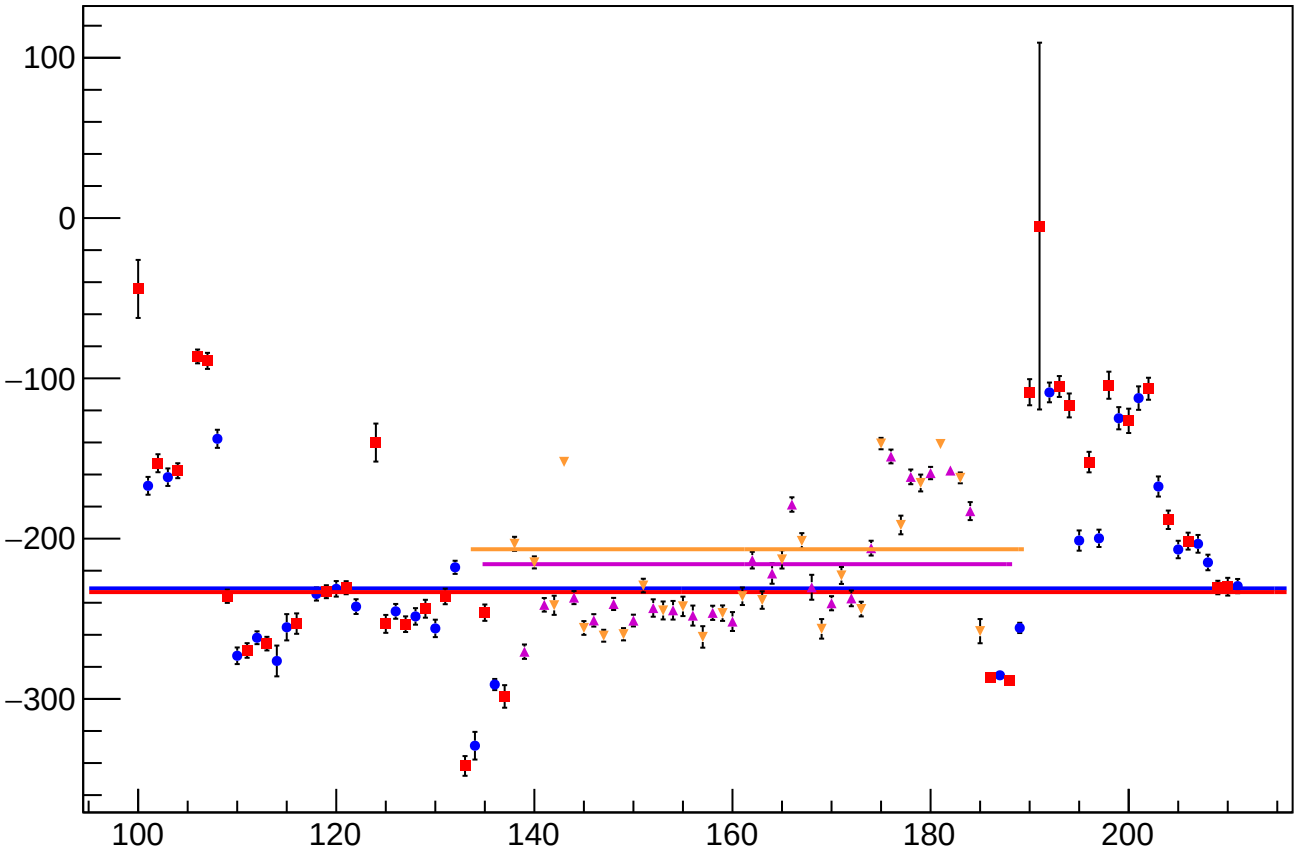
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -5.650+/-0.666 χ^2/NDF: 1722.6/60

In: 1.687+/-0.578 χ^2/NDF:1392.6/50

Out: -1.107+/-0.536 χ^2/NDF:1588.4/57

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

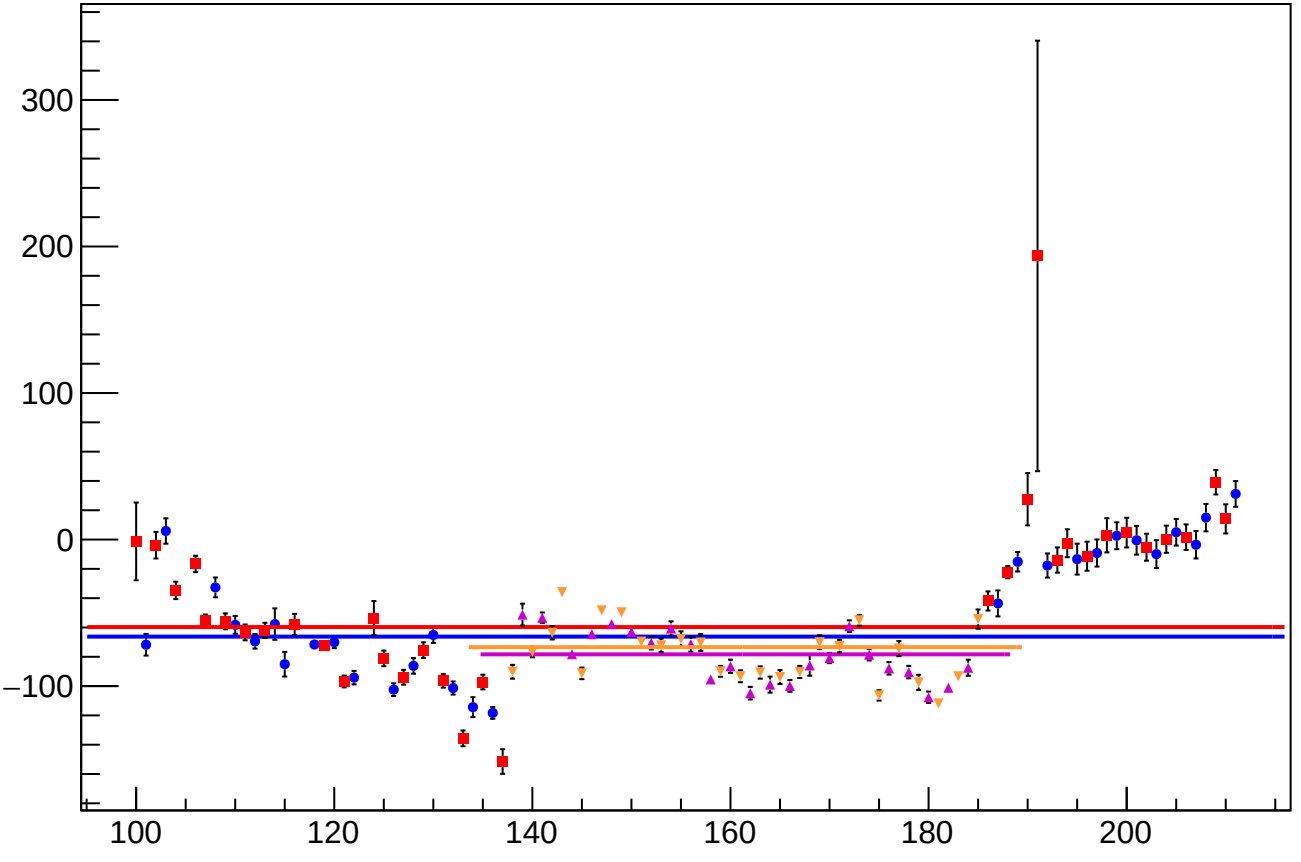
Right: -232.359+/-0.610 χ^2/NDF: 9346.9/60

In: -223.628+/-0.663 χ^2/NDF:4524.9/50

Out: -221.336+/-0.600 χ^2/NDF:9619.6/57

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -66.238+/-1.150 χ^2/NDF: 1110.7/27

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -59.707+/-1.079 χ^2/NDF: 1323.1/32

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

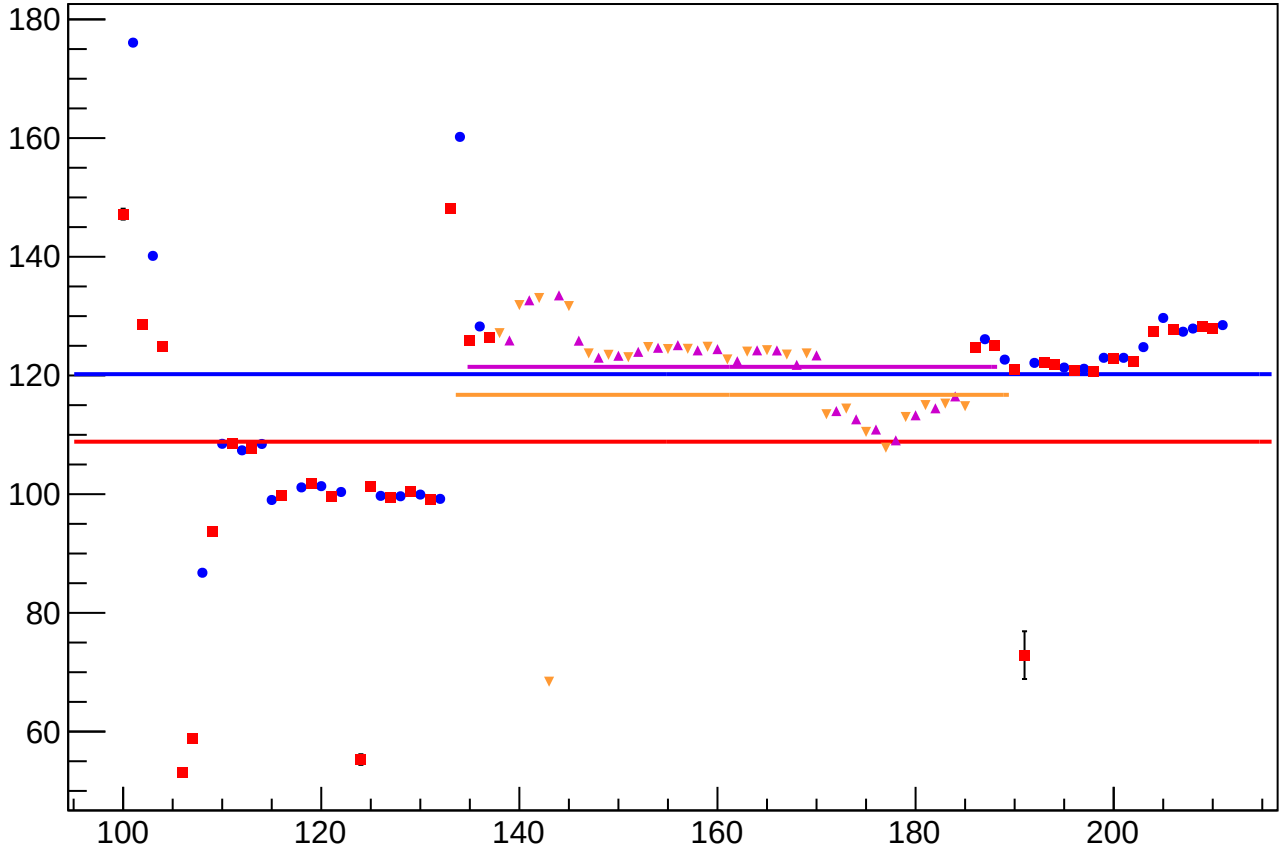
Right: -62.765+/-0.787 χ^2/NDF: 2450.9/60

In: -74.272+/-0.666 χ^2/NDF:1627.4/50

Out: -68.823+/-0.625 χ^2/NDF:2267.0/57

All: -71.375+/-0.456 χ^2/NDF: 3929.9/108

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

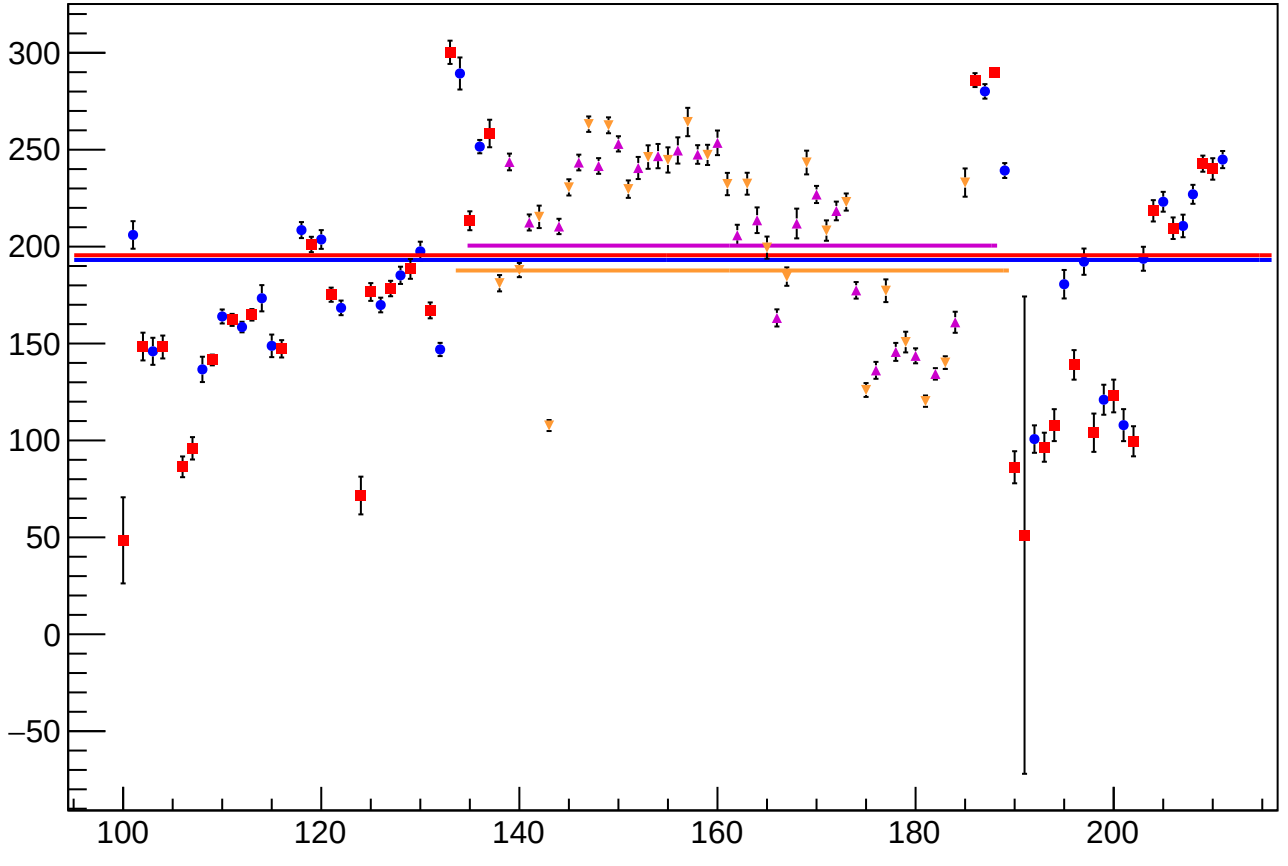
Right: 114.009+/-0.041 χ^2/NDF: 330318.3/60

In: 121.116+/-0.032 χ^2/NDF:127901.9/50

Out: 114.400+/-0.030 χ^2/NDF:430277.6/57

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 193.109+/-0.891 χ^2/NDF: 2401.7/27

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 195.547+/-0.802 χ^2/NDF: 6210.6/32

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

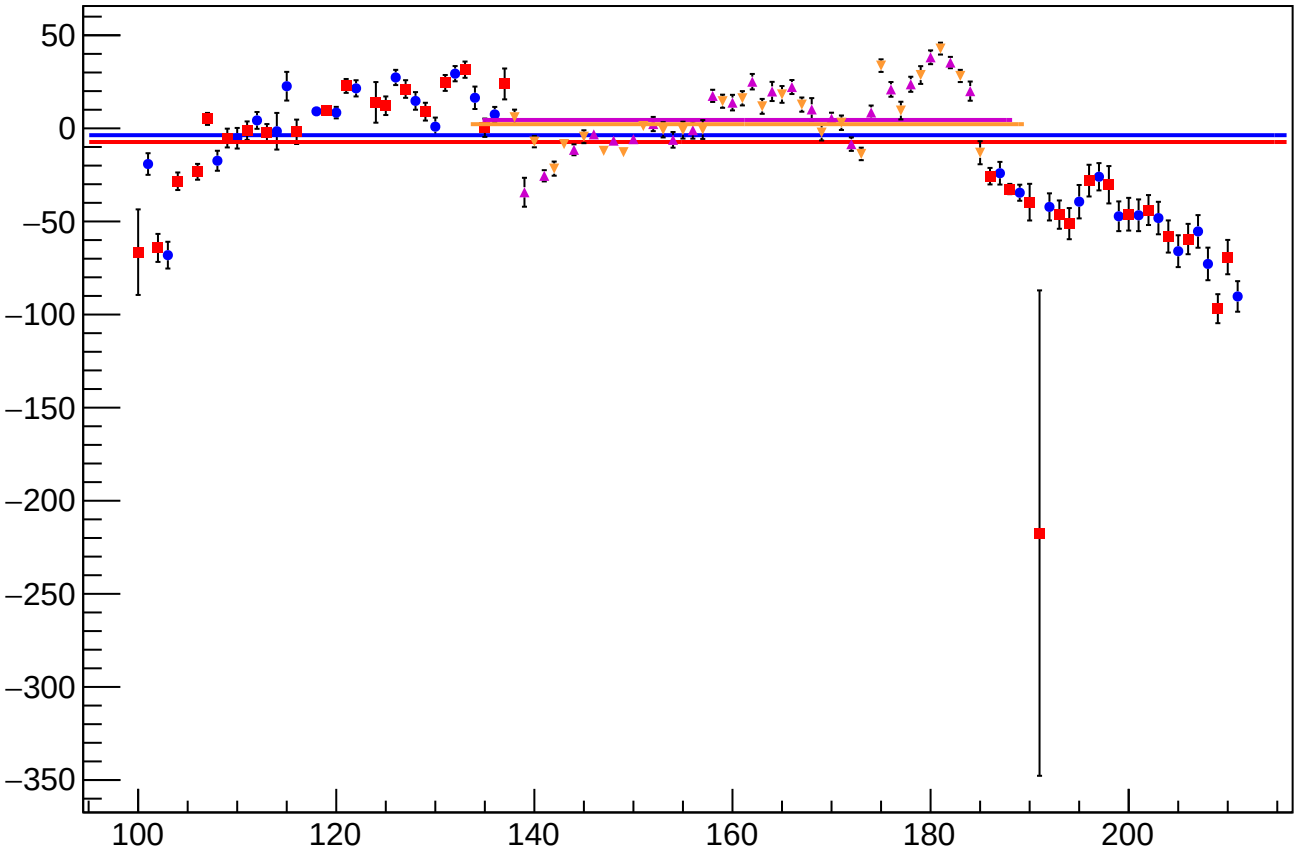
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 194.456+/-0.596 χ^2/NDF: 8616.4/60

In: 196.559+/-0.652 χ^2/NDF:4545.3/50

Out: 192.054+/-0.598 χ^2/NDF:9781.6/57

All: 194.114+/-0.441 χ^2/NDF: 14352.9/108



Right In: -3.668+/-0.983 χ^2/NDF: 800.2/27

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.331+/-0.906 χ^2/NDF: 914.9/32

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

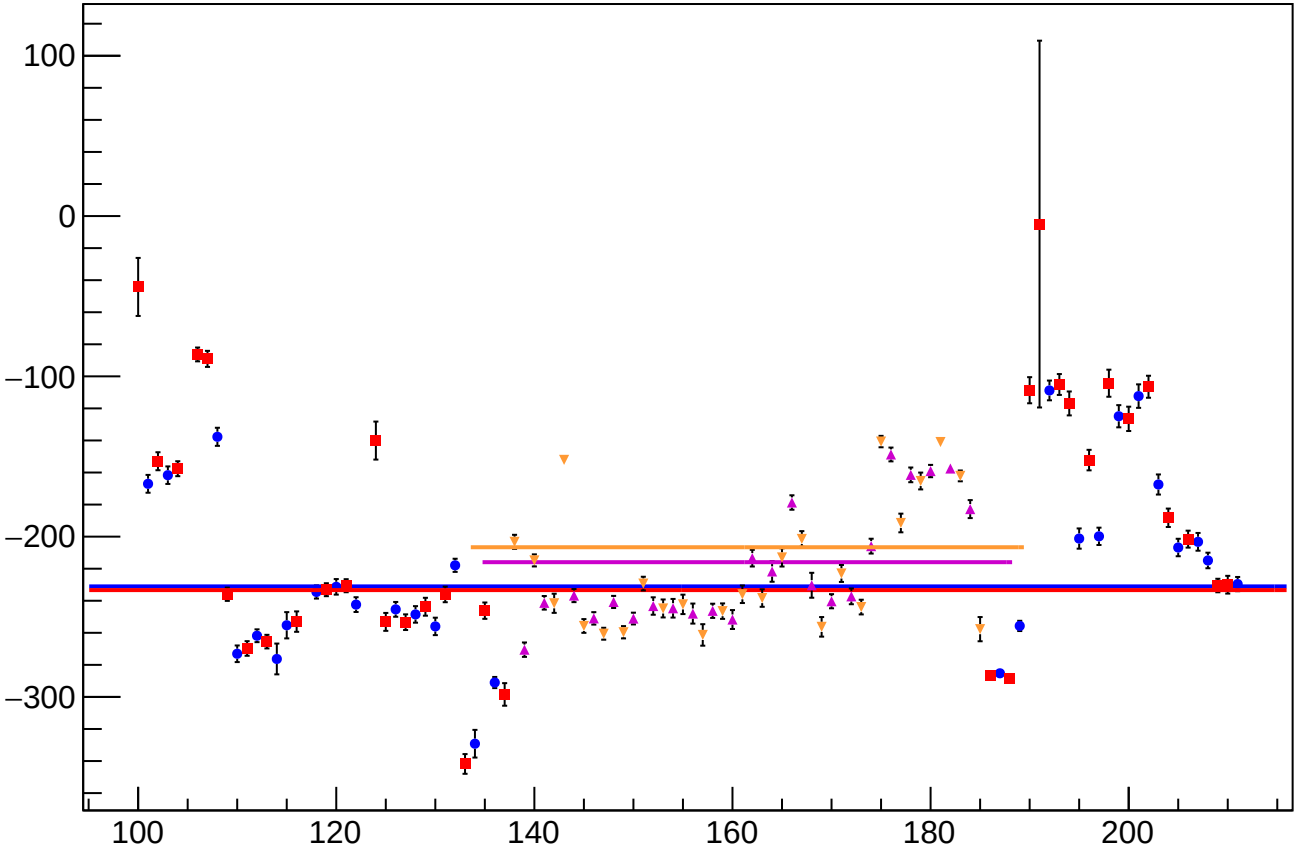
Right: -5.650+/-0.666 χ^2/NDF: 1722.6/60

In: 1.687+/-0.578 χ^2/NDF:1392.6/50

Out: -1.107+/-0.536 χ^2/NDF:1588.4/57

All: 0.185+/-0.393 χ^2/NDF: 2993.6/108

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -231.045+/-0.929 χ^2/NDF: 2683.2/27

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.354+/-0.808 χ^2/NDF: 6660.2/32

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

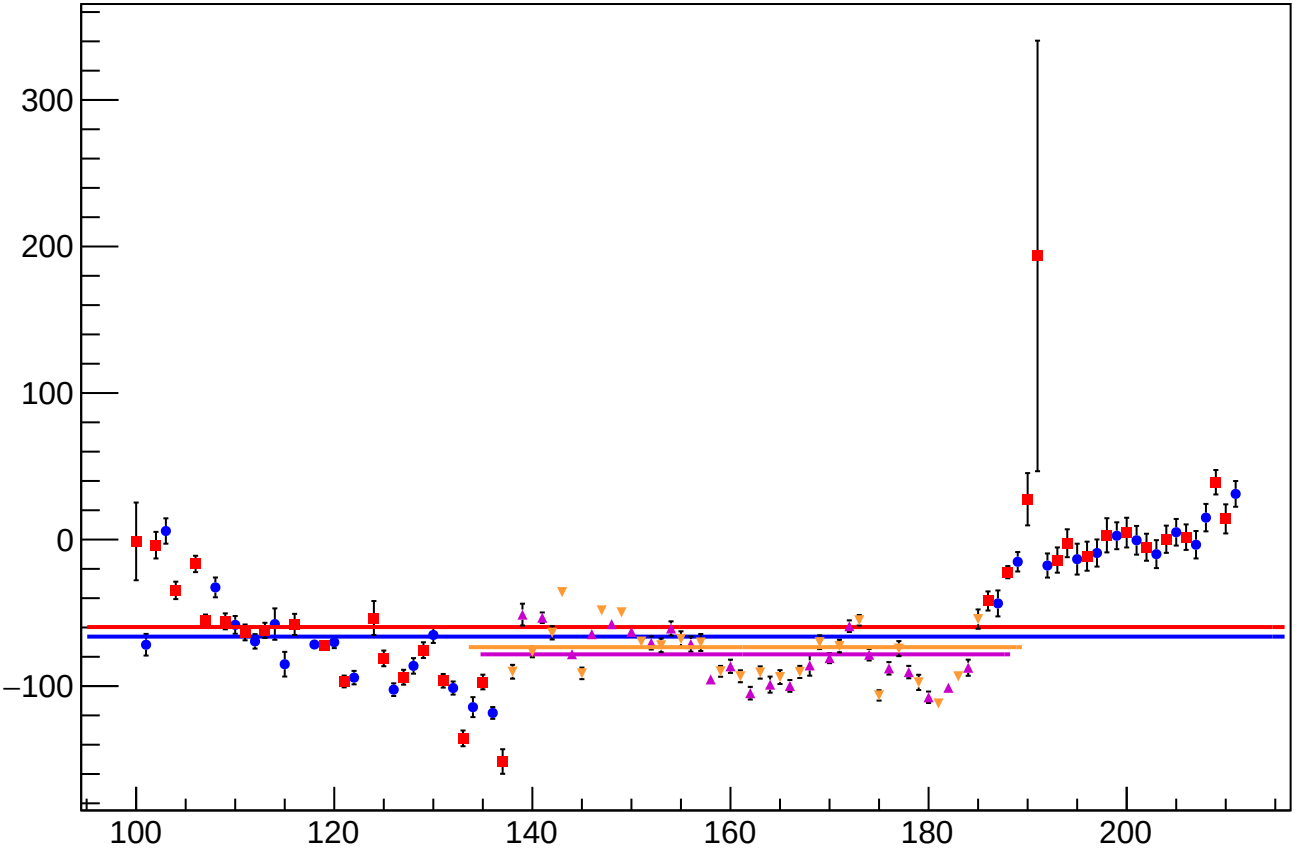
Right: -232.359+/-0.610 χ^2/NDF: 9346.9/60

In: -223.628+/-0.663 χ^2/NDF:4524.9/50

Out: -221.336+/-0.600 χ^2/NDF:9619.6/57

All: -222.367+/-0.445 χ^2/NDF: 14151.0/108

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -66.238+/-1.150 χ^2/NDF: 1110.7/27

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -59.707+/-1.079 χ^2/NDF: 1323.1/32

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

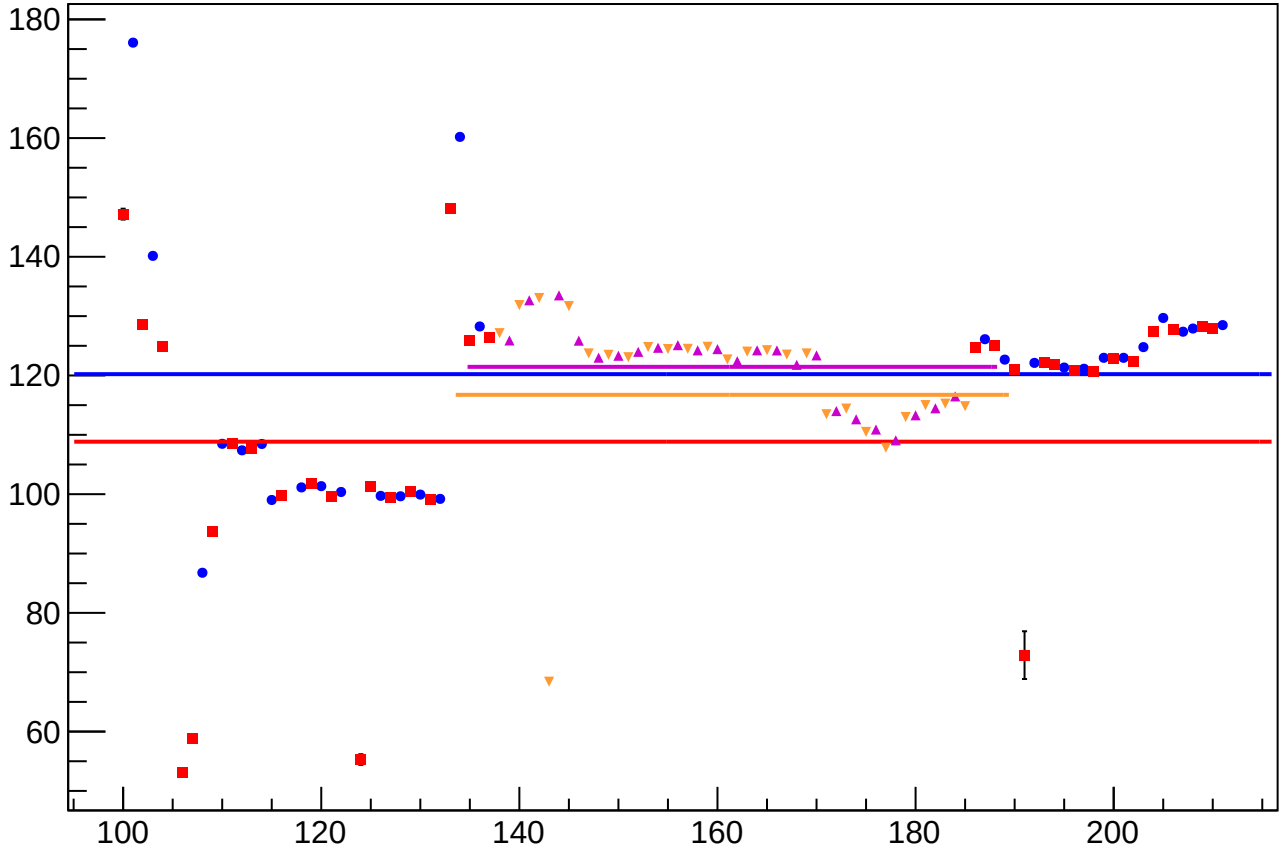
Right: -62.765+/-0.787 χ^2/NDF: 2450.9/60

In: -74.272+/-0.666 χ^2/NDF:1627.4/50

Out: -68.823+/-0.625 χ^2/NDF:2267.0/57

All: -71.375+/-0.456 χ^2/NDF: 3929.9/108

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.221+/-0.061 χ^2/NDF: 98804.2/27

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.843+/-0.055 χ^2/NDF: 212221.7/32

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

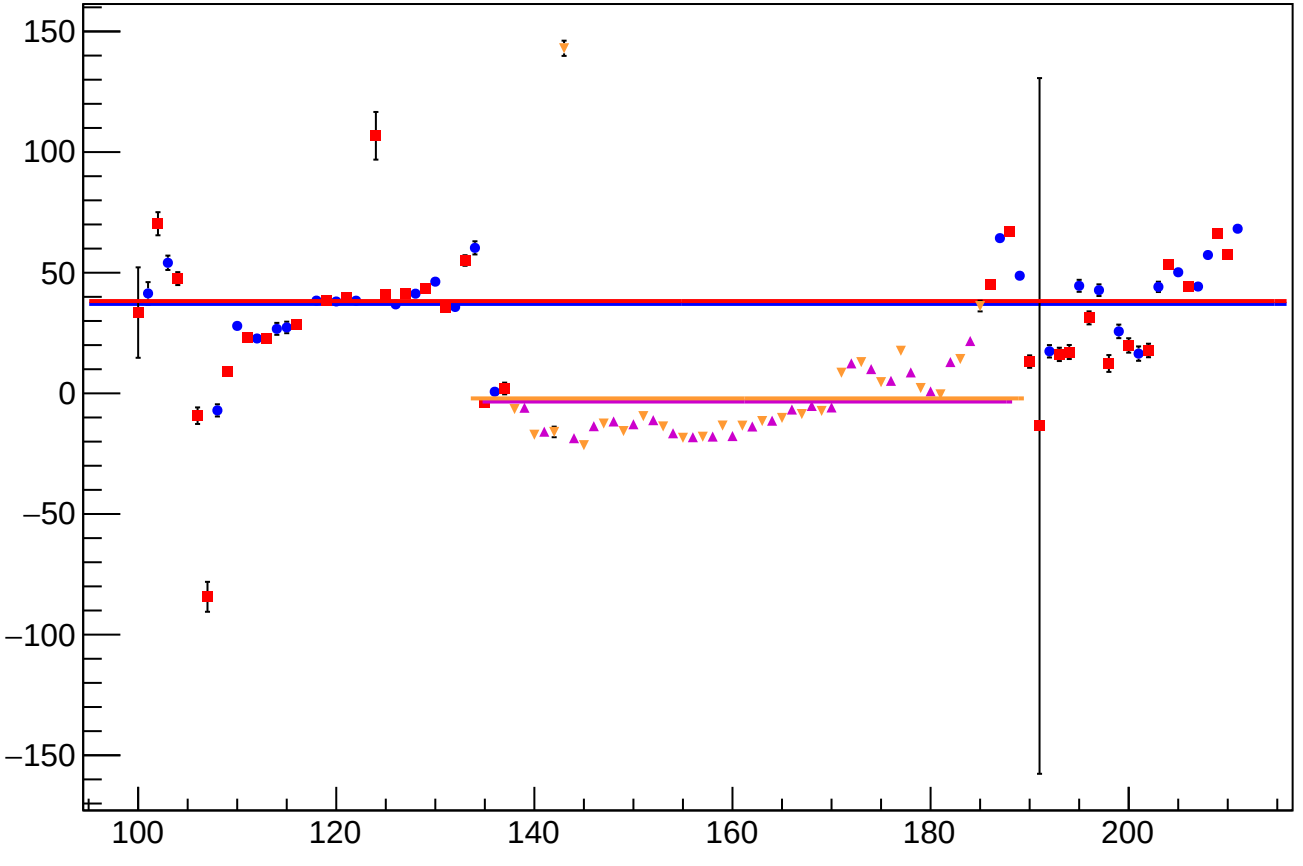
Right: 114.009+/-0.041 χ^2/NDF: 330318.3/60

In: 121.116+/-0.032 χ^2/NDF:127901.9/50

Out: 114.400+/-0.030 χ^2/NDF:430277.6/57

All: 117.575+/-0.022 χ^2/NDF: 581791.7/108

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 37.072+/-0.334 χ^2/NDF: 2894.3/27

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 38.251+/-0.298 χ^2/NDF: 5139.9/32

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

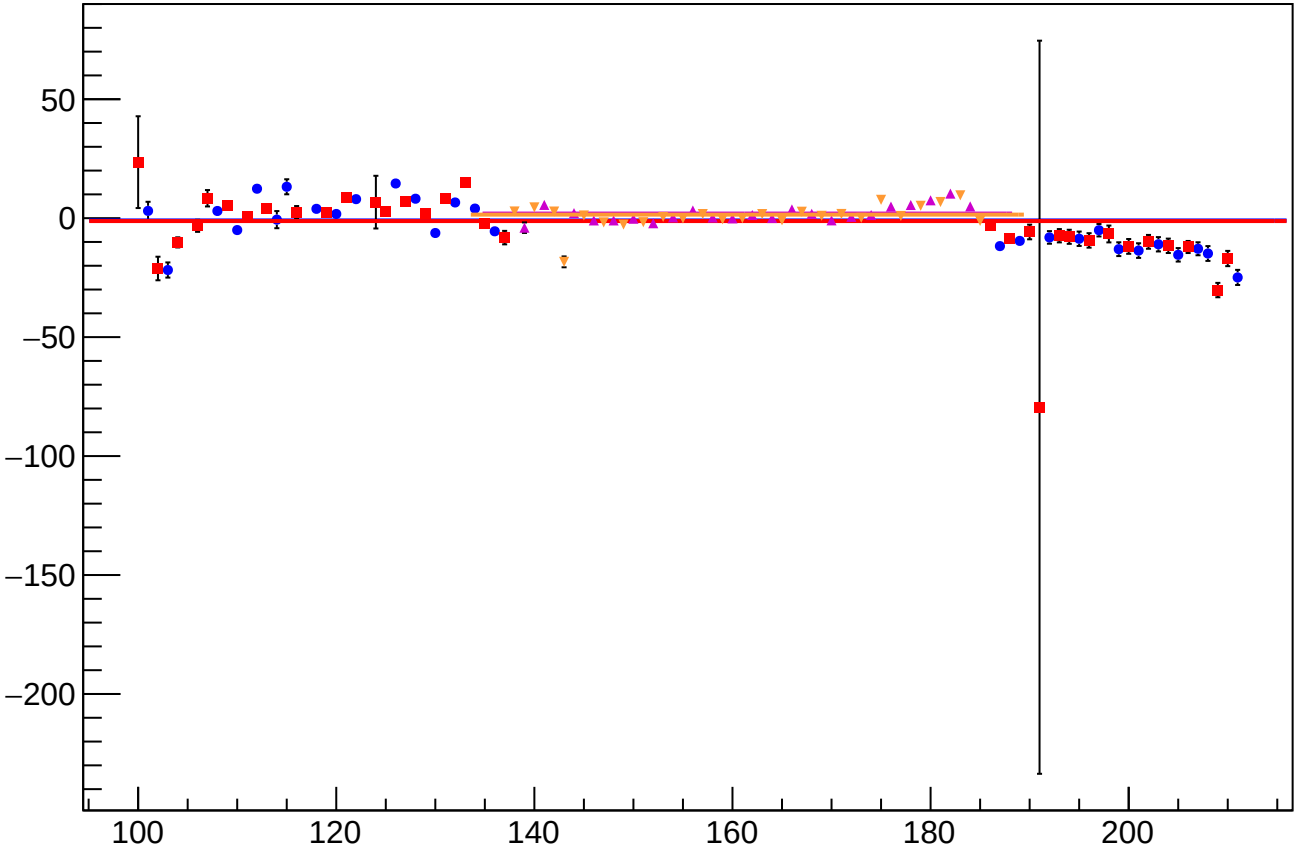
Right: 37.729+/-0.223 χ^2/NDF: 8041.1/60

In: 12.671+/-0.211 χ^2/NDF:13477.8/50

Out: 15.834+/-0.199 χ^2/NDF:19502.7/57

All: 14.344+/-0.145 χ^2/NDF: 33099.8/108

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.956+/-0.379 χ^2/NDF: 568.7/27

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.219+/-0.353 χ^2/NDF: 528.4/32

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

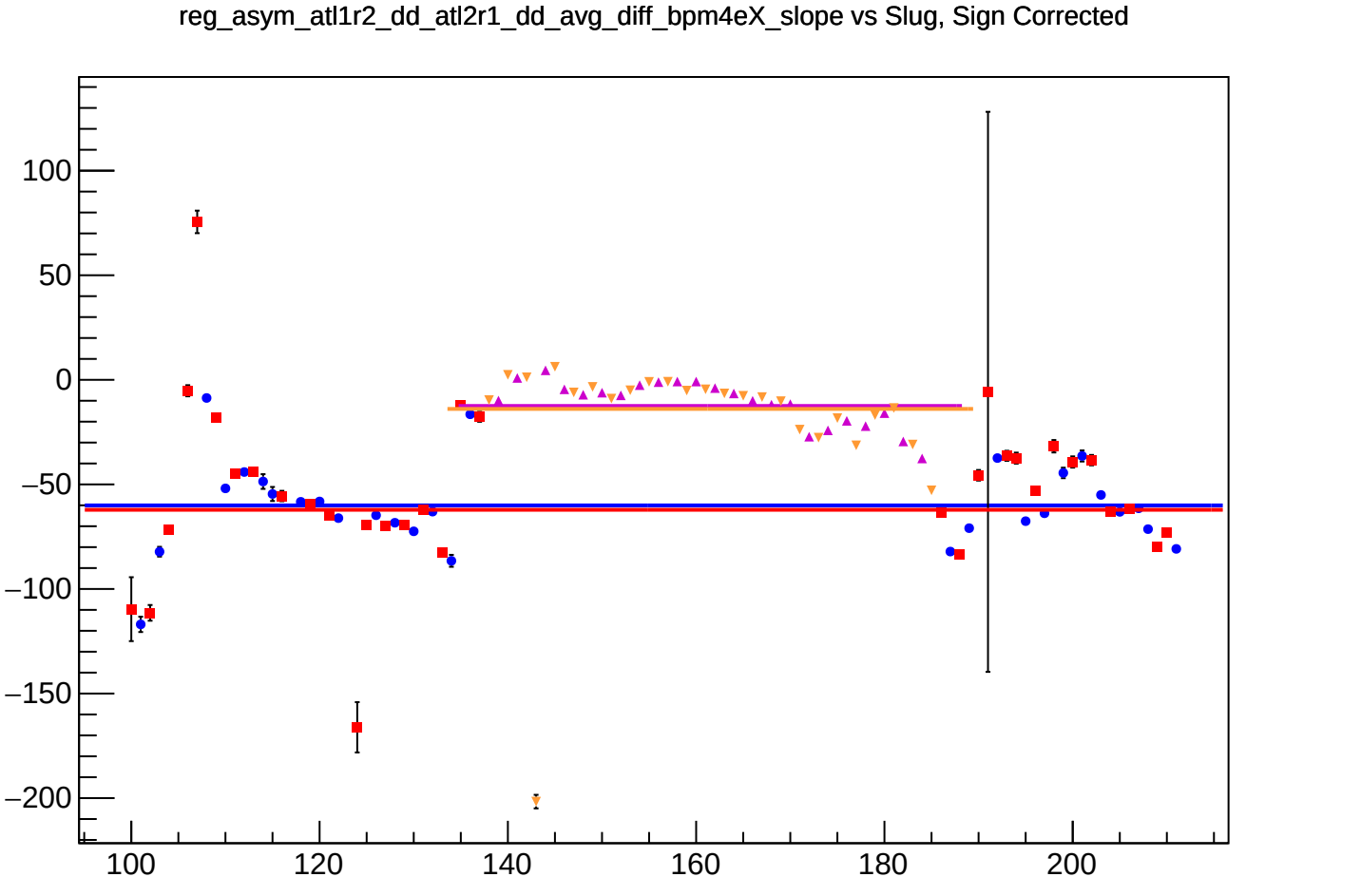
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: -1.096+/-0.258 χ^2/NDF: 1097.3/60

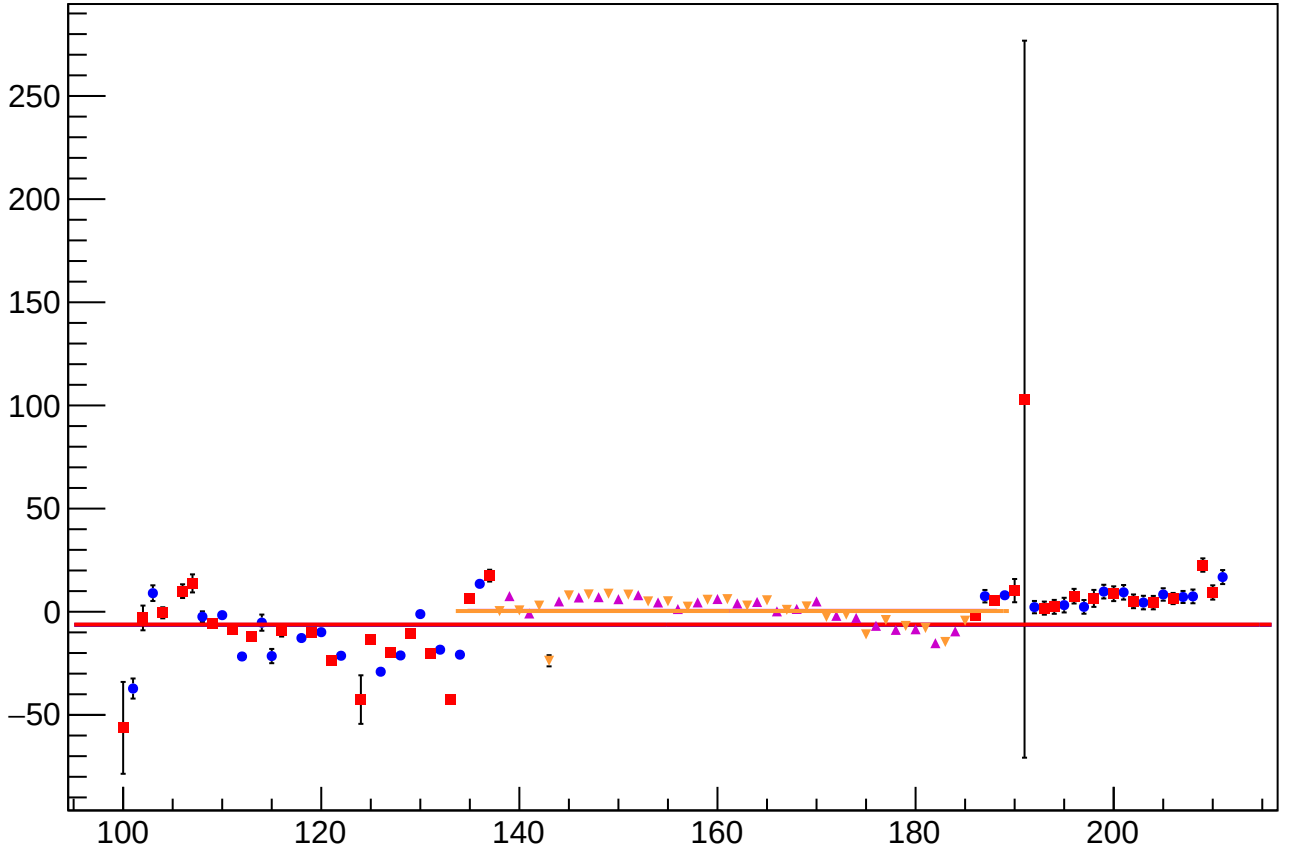
In: 1.252+/-0.184 χ^2/NDF:853.8/50

Out: 0.808+/-0.177 χ^2/NDF:900.8/57

All: 1.022+/-0.128 χ^2/NDF: 1757.6/108


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -60.042+/-0.345 χ²/NDF: 3538.8/27
Left Out: -13.908+/-0.265 χ²/NDF:5128.3/24
Right Out: -62.142+/-0.294 χ²/NDF: 5624.1/32
Left In: -12.494+/-0.269 χ²/NDF:1430.3/22
Left: -13.212+/-0.189 χ²/NDF: 6572.6/47
Right: -61.259+/-0.224 χ²/NDF: 9184.3/60
In: -30.427+/-0.212 χ²/NDF:16779.2/50
Out: -35.488+/-0.197 χ²/NDF:25607.6/57
All: -33.147+/-0.144 χ²/NDF: 42692.8/108

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.366+/-0.440 χ^2/NDF: 984.1/27

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.207+/-0.424 χ^2/NDF: 1041.6/32

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

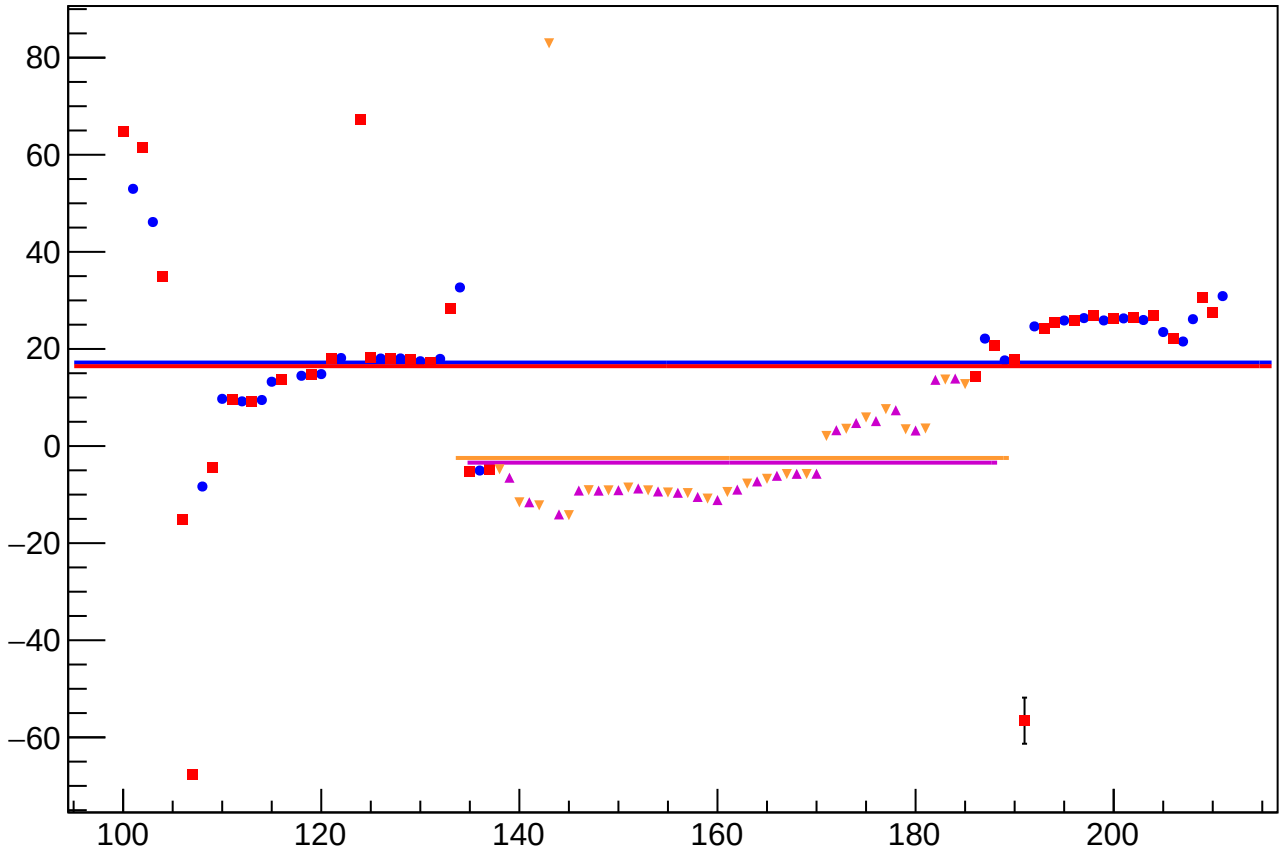
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.283+/-0.305 χ^2/NDF: 2025.8/60

In: -1.090+/-0.208 χ^2/NDF:1951.1/50

Out: -1.158+/-0.203 χ^2/NDF:2147.5/57

All: -1.125+/-0.145 χ^2/NDF: 4098.7/108



Right In: 17.202+/-0.022 χ^2/NDF: 445272.0/27

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.449+/-0.022 χ^2/NDF: 571602.1/32

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

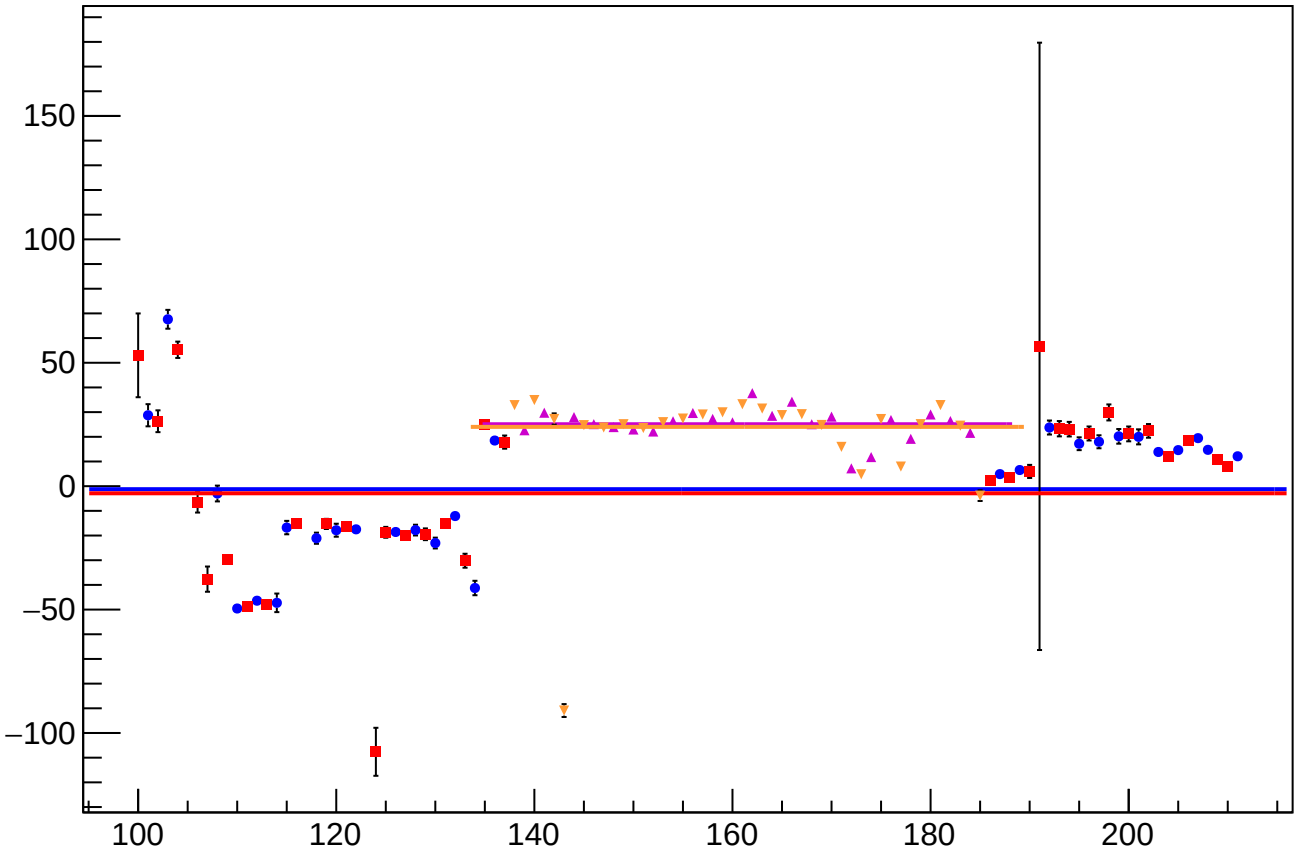
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.820+/-0.016 χ^2/NDF: 1017452.9/60

In: 0.294+/-0.009 χ^2/NDF:1694388.5/50

Out: 0.980+/-0.009 χ^2/NDF:2138743.3/57

All: 0.641+/-0.007 χ^2/NDF: 3835788.6/108



Right In: -1.216+/-0.389 χ^2/NDF: 3652.3/27

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.885+/-0.364 χ^2/NDF: 3872.1/32

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

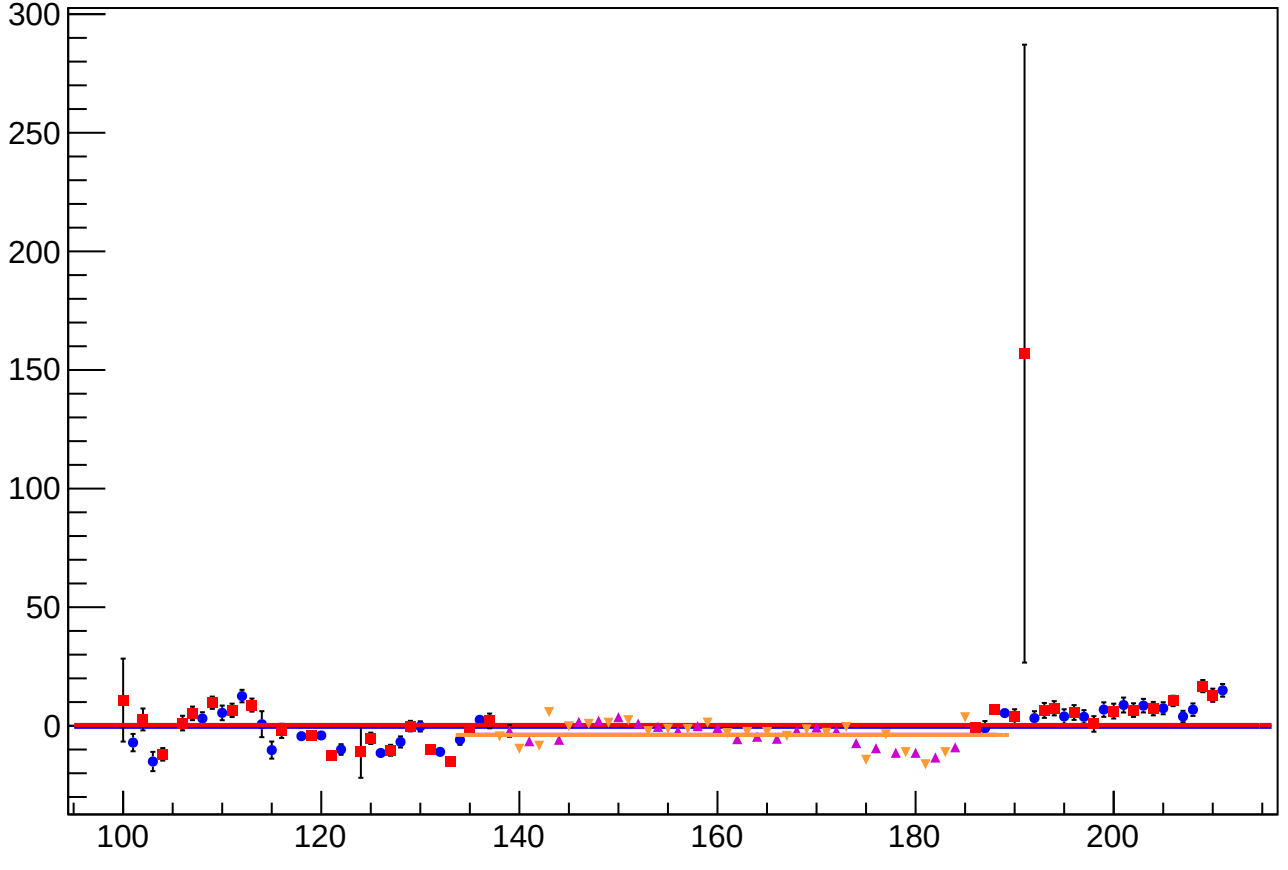
Right: -2.106+/-0.266 χ^2/NDF: 7534.3/60

In: 15.807+/-0.231 χ^2/NDF:7107.6/50

Out: 13.921+/-0.223 χ^2/NDF:10093.1/57

All: 14.830+/-0.160 χ^2/NDF: 17235.3/108

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.441+/-0.452 χ^2/NDF: 249.4/27

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.379+/-0.432 χ^2/NDF: 346.6/32

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

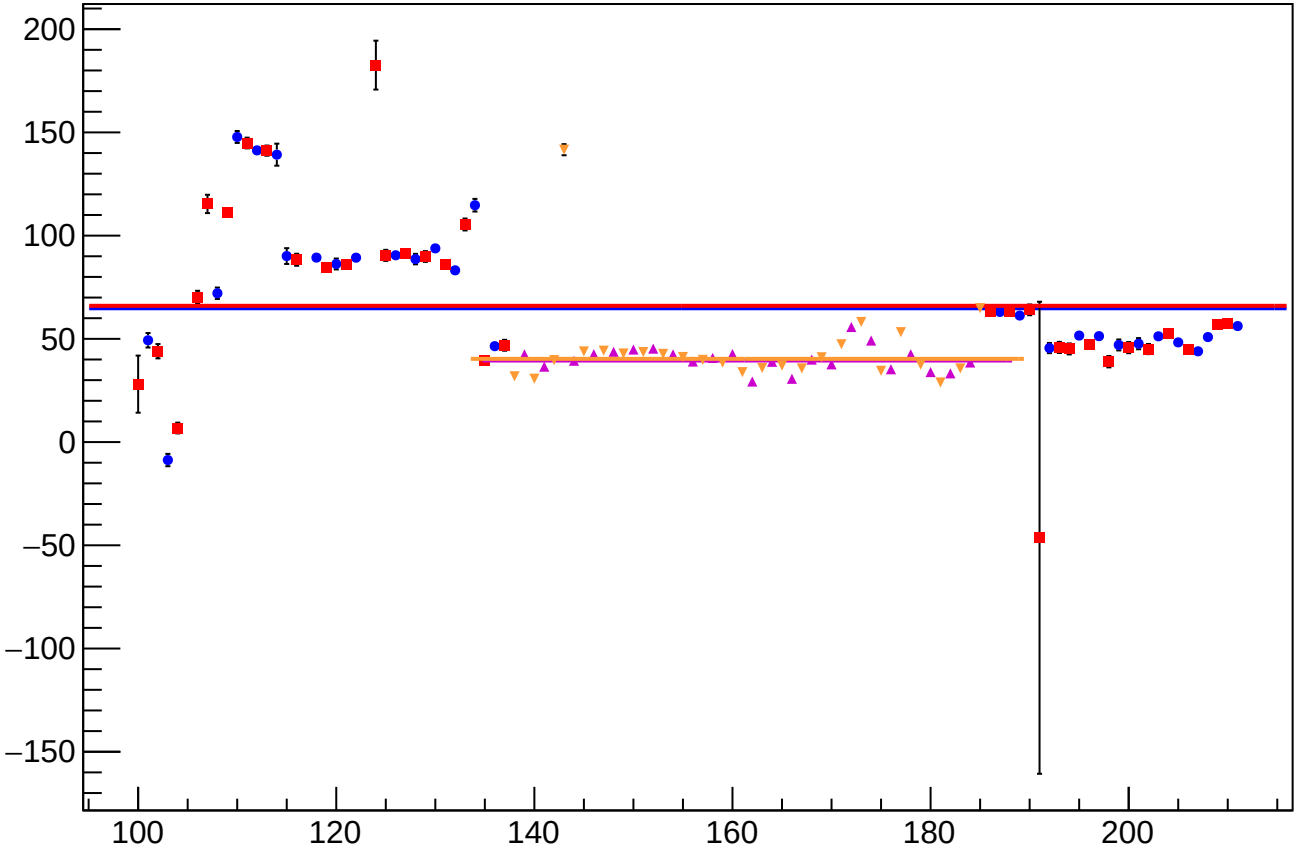
Right: -0.013+/-0.312 χ^2/NDF: 597.7/60

In: -3.123+/-0.200 χ^2/NDF:803.2/50

Out: -2.990+/-0.195 χ^2/NDF:1072.1/57

All: -3.054+/-0.140 χ^2/NDF: 1875.5/108

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 64.814+/-0.397 χ^2/NDF: 4642.3/27

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 66.007+/-0.361 χ^2/NDF: 4826.8/32

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

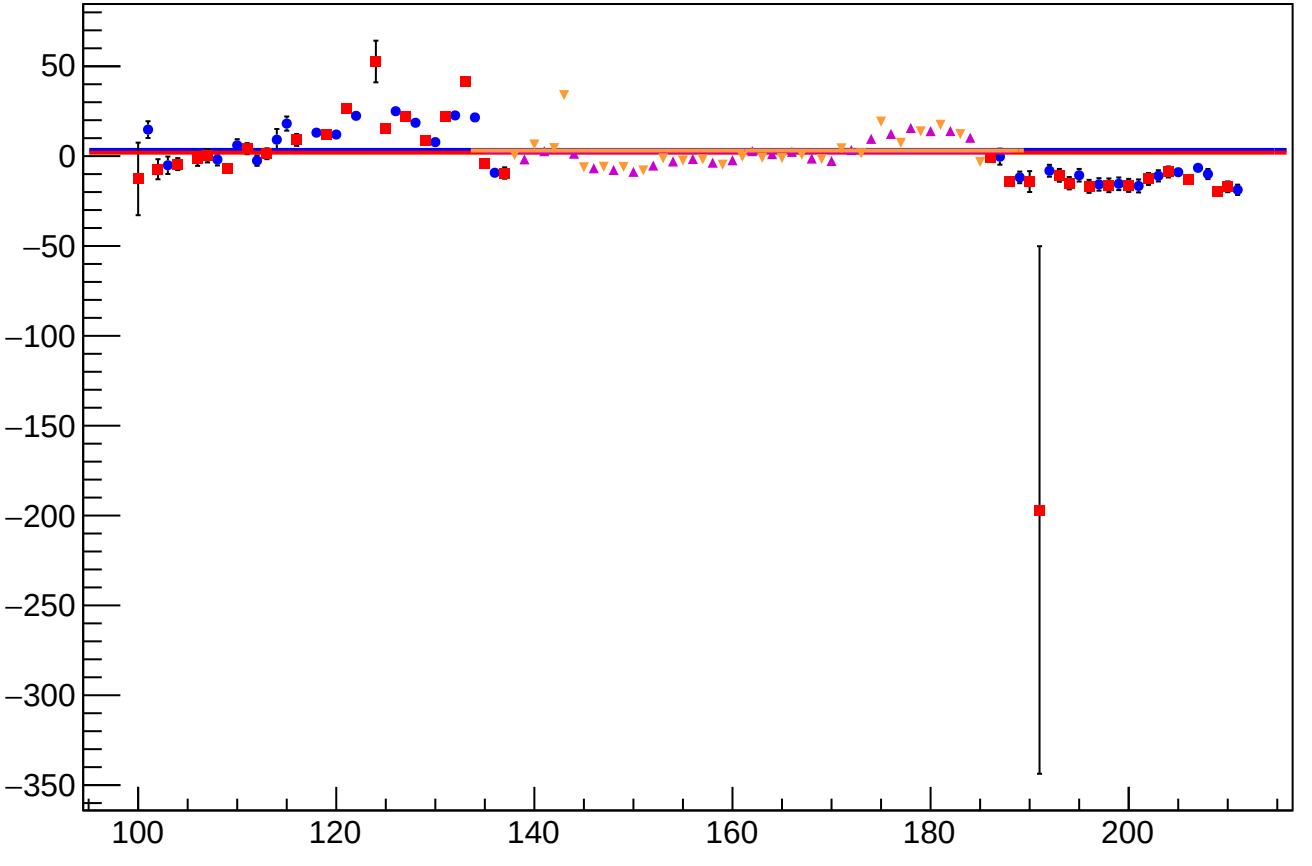
Right: 65.468+/-0.267 χ^2/NDF: 9474.1/60

In: 48.093+/-0.231 χ^2/NDF:7756.1/50

Out: 49.975+/-0.221 χ^2/NDF:10171.8/57

All: 49.076+/-0.160 χ^2/NDF: 17962.5/108

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.458+/-0.517 χ^2/NDF: 763.5/27

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 1.931+/-0.508 χ^2/NDF: 1001.3/32

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

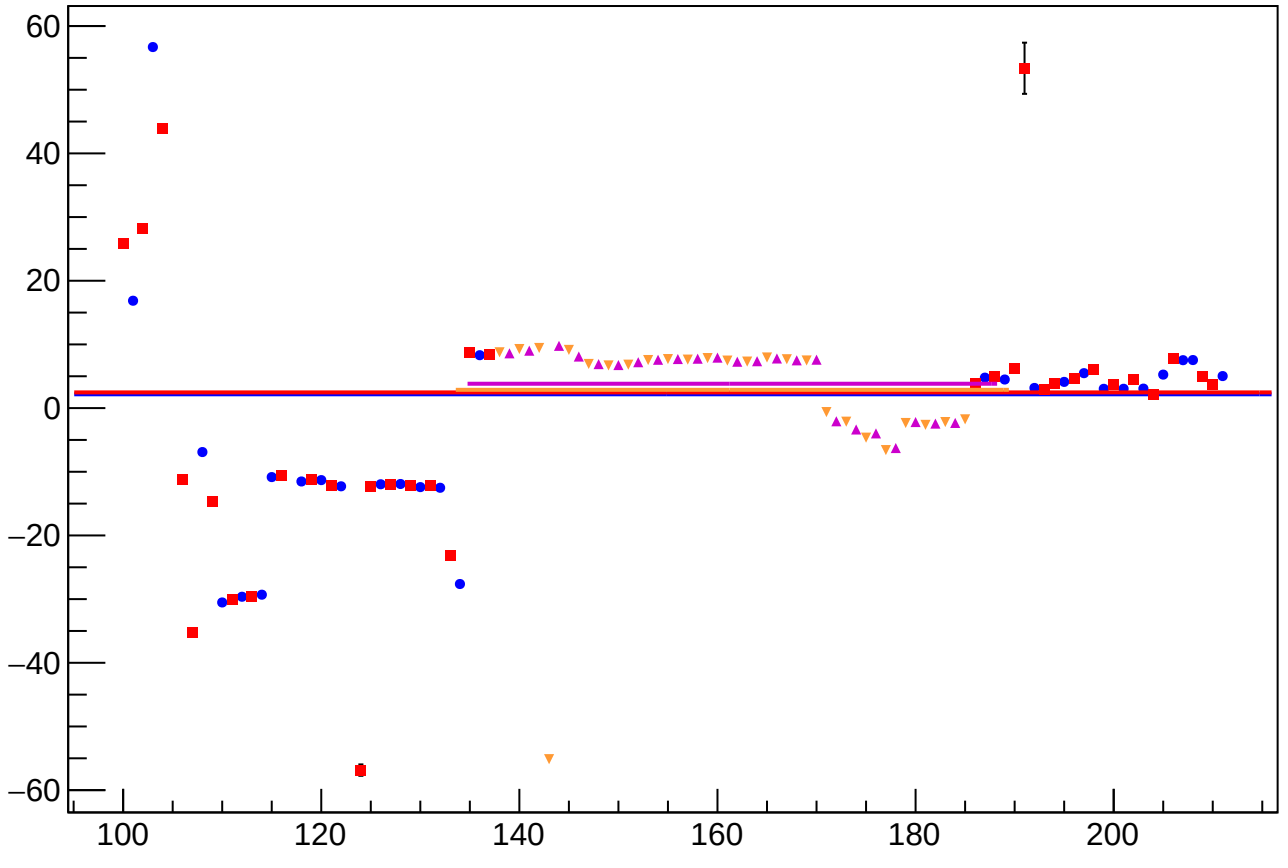
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 2.681+/-0.362 χ^2/NDF: 1769.2/60

In: 2.698+/-0.226 χ^2/NDF:1734.4/50

Out: 2.913+/-0.221 χ^2/NDF:2272.9/57

All: 2.808+/-0.158 χ^2/NDF: 4007.7/108



Right In: 2.168+/-0.024 χ^2/NDF: 382828.5/27

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.465+/-0.024 χ^2/NDF: 330670.8/32

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

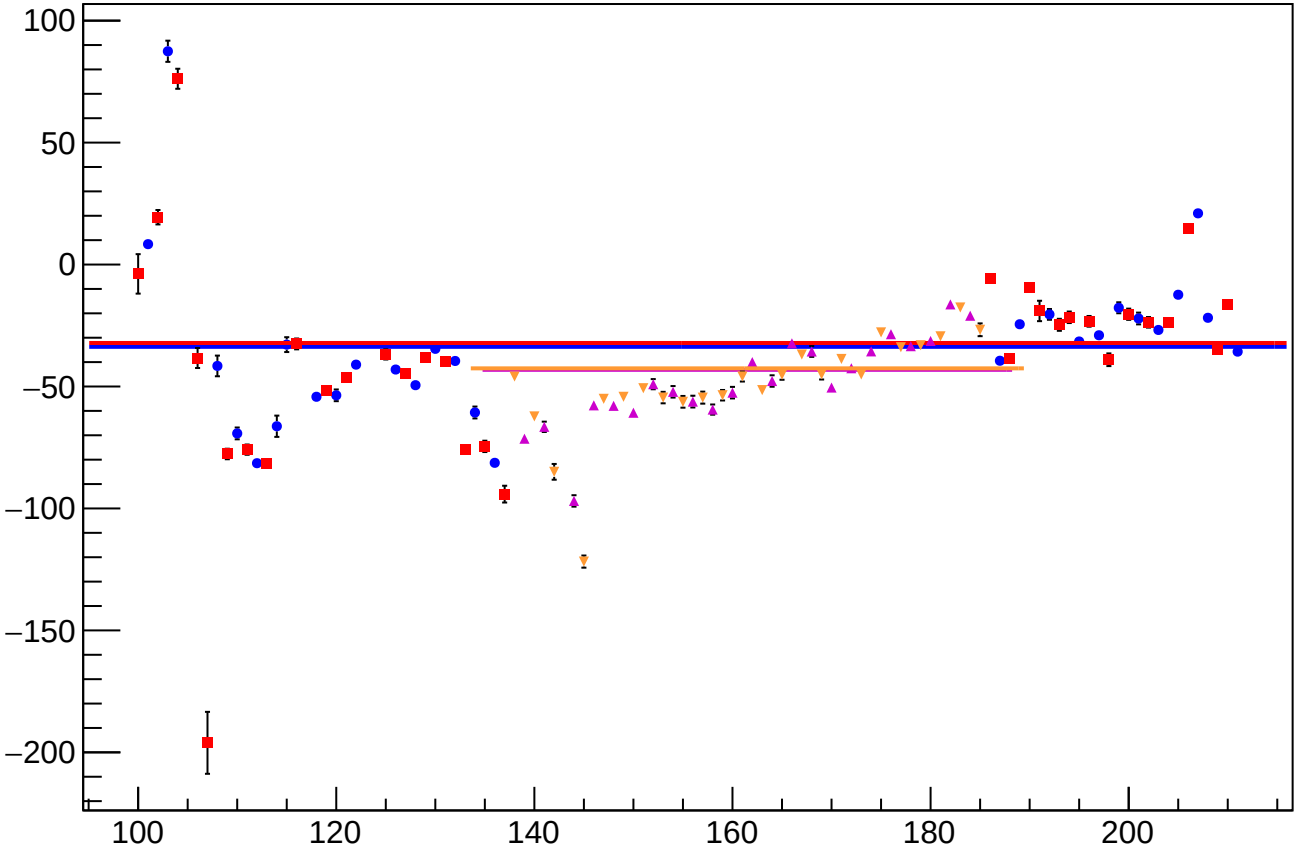
Right: 2.318+/-0.017 χ^2/NDF: 713573.8/60

In: 3.542+/-0.010 χ^2/NDF:619864.7/50

Out: 2.801+/-0.010 χ^2/NDF:843234.2/57

All: 3.168+/-0.007 χ^2/NDF: 1465812.4/108

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.732+/-0.361 χ^2/NDF: 5001.5/27

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.159+/-0.326 χ^2/NDF: 6348.8/31

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

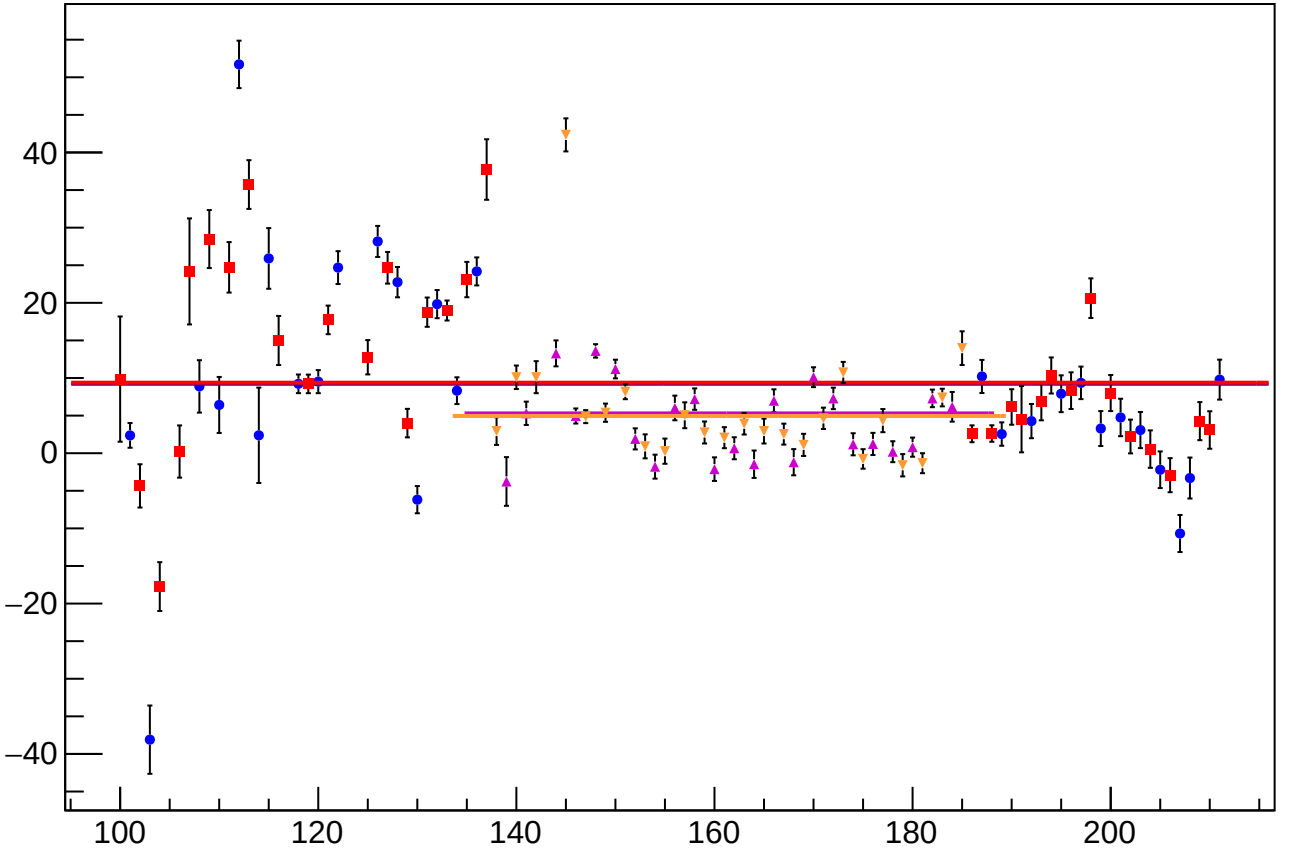
Right: -32.866+/-0.242 χ^2/NDF: 11360.8/59

In: -38.179+/-0.262 χ^2/NDF:7530.0/50

Out: -36.591+/-0.247 χ^2/NDF:9109.1/55

All: -37.338+/-0.180 χ^2/NDF: 16658.5/106

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.243+/-0.407 χ^2/NDF: 823.0/27

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.379+/-0.380 χ^2/NDF: 619.7/31

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

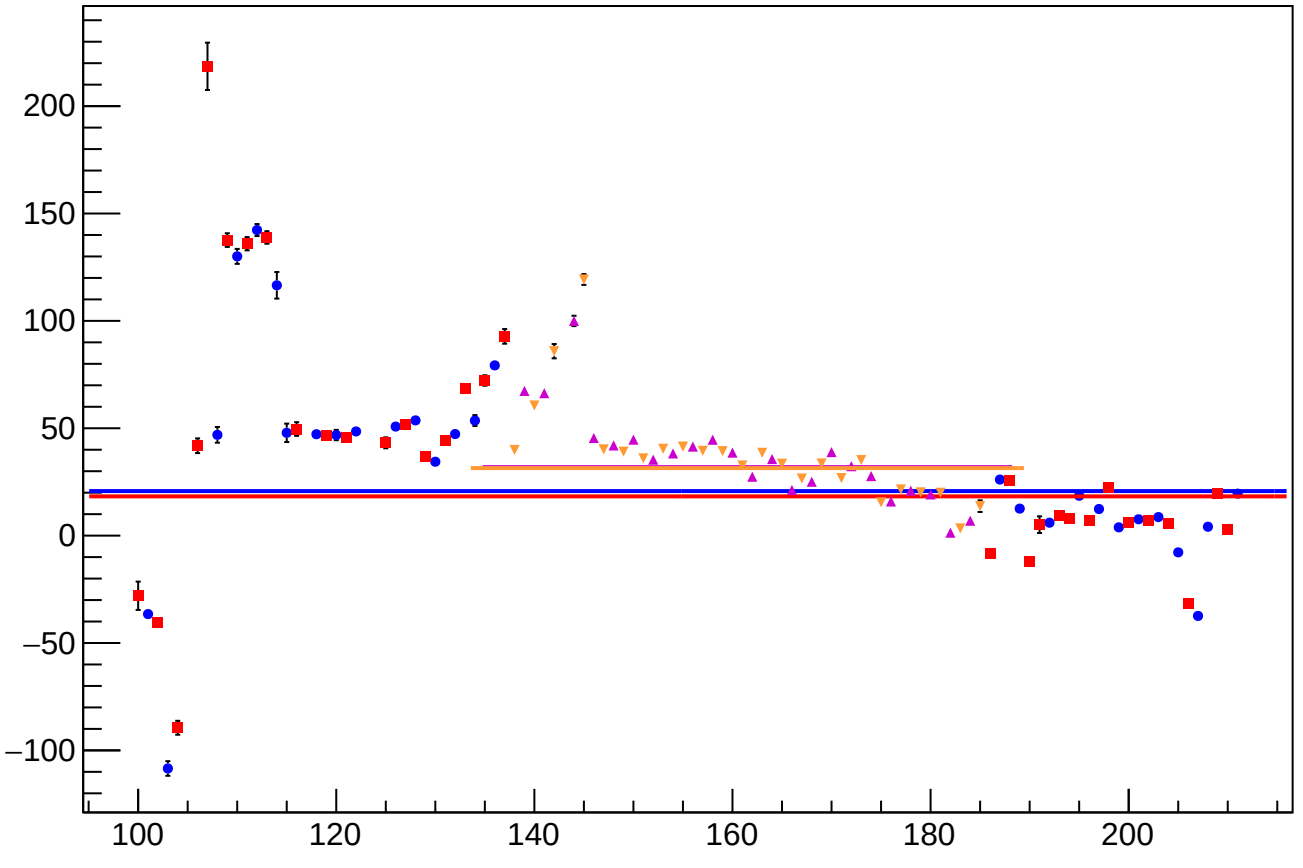
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 9.316+/-0.278 χ^2/NDF: 1442.7/59

In: 6.649+/-0.238 χ^2/NDF:1171.2/50

Out: 6.572+/-0.230 χ^2/NDF:1154.8/55

All: 6.609+/-0.165 χ^2/NDF: 2326.1/106



Right In: 20.742+/-0.355 χ^2/NDF: 10703.7/27

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 18.288+/-0.307 χ^2/NDF: 12677.2/31

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

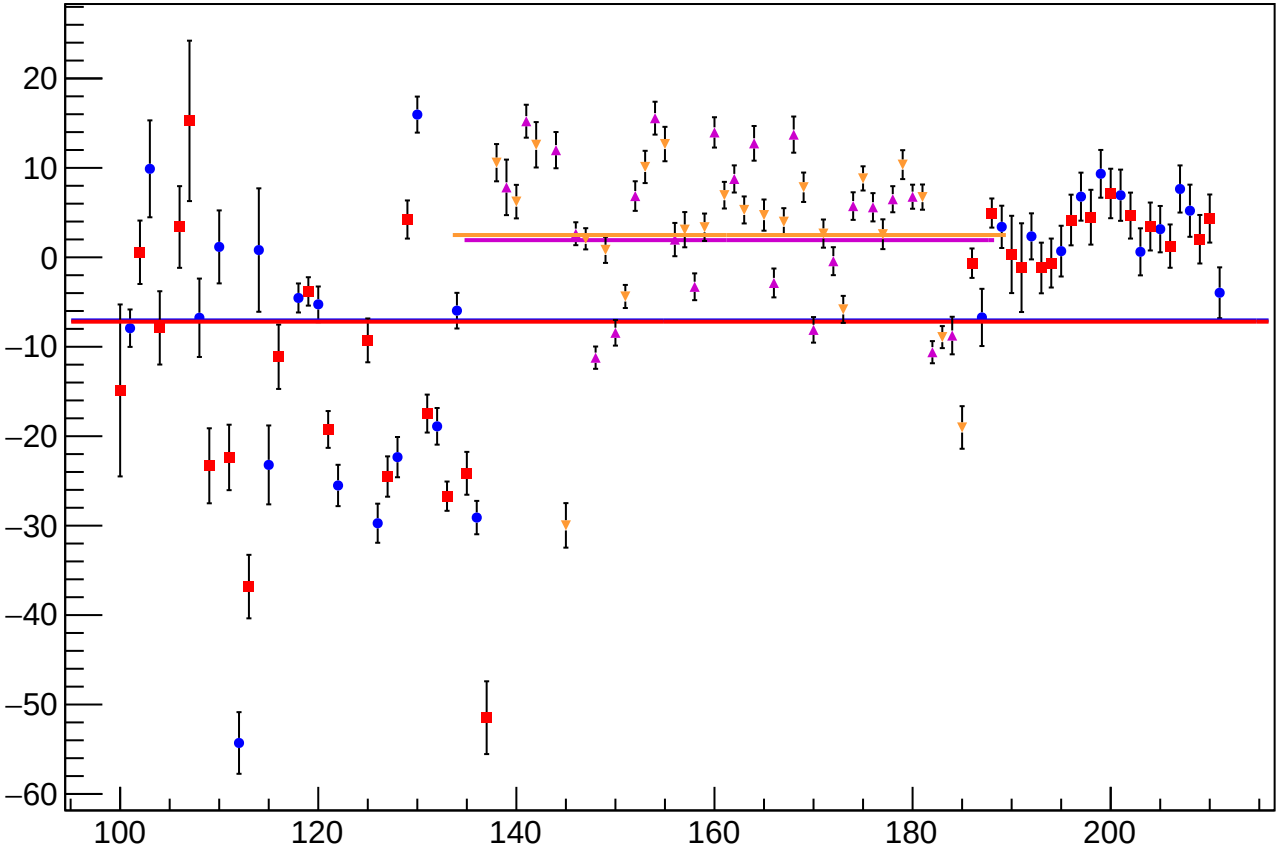
Right: 19.338+/-0.232 χ^2/NDF: 23408.3/59

In: 25.968+/-0.259 χ^2/NDF:13933.4/50

Out: 23.559+/-0.238 χ^2/NDF:16174.1/55

All: 24.661+/-0.175 χ^2/NDF: 30154.5/106

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.054+/-0.476 χ^2/NDF: 943.7/27

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.194+/-0.459 χ^2/NDF: 804.0/31

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

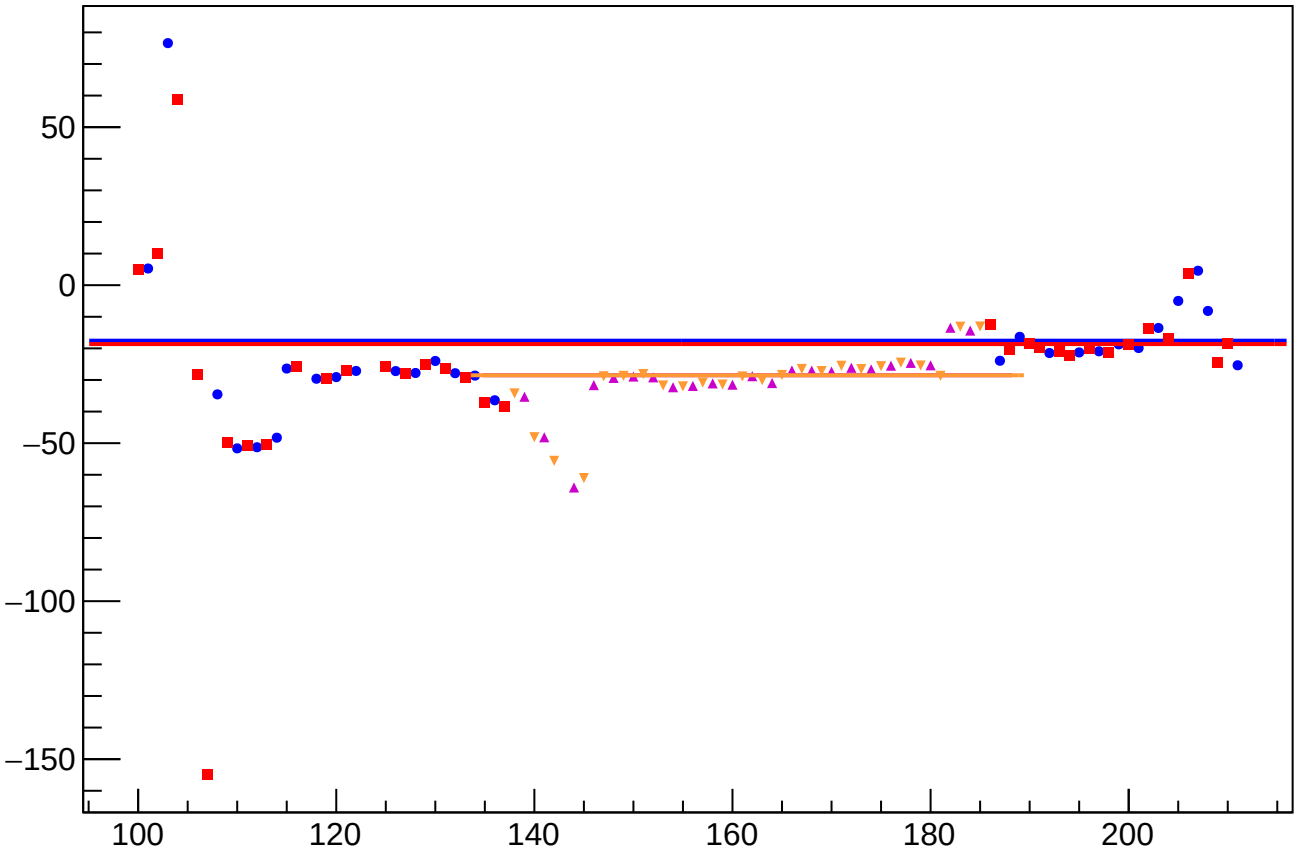
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -7.126+/-0.331 χ^2/NDF: 1747.8/59

In: -1.015+/-0.272 χ^2/NDF:1861.7/50

Out: -0.762+/-0.266 χ^2/NDF:1658.2/55

All: -0.886+/-0.190 χ^2/NDF: 3520.3/106



Right In: -17.566+/-0.022 χ^2/NDF: 730051.6/27

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.643+/-0.021 χ^2/NDF: 625356.4/31

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

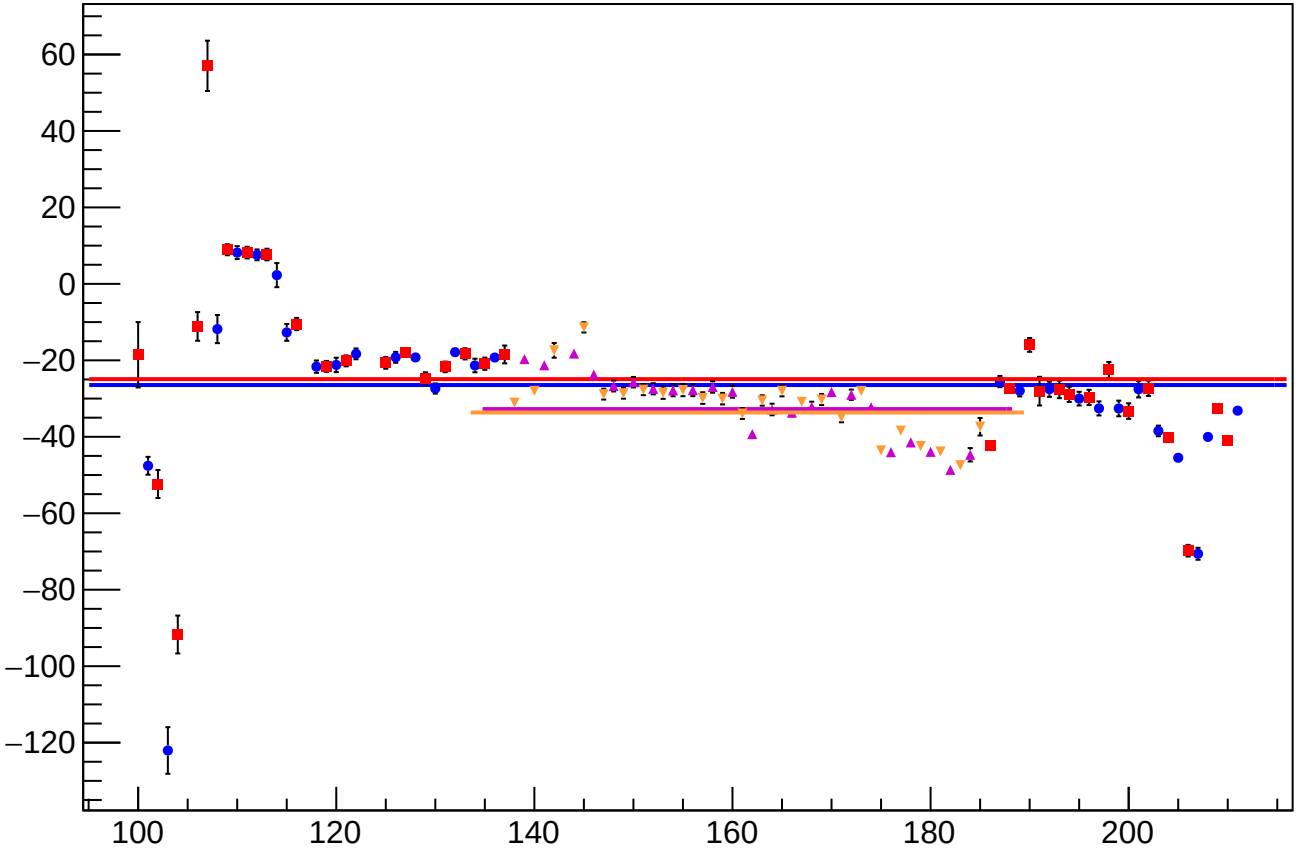
Right: -18.124+/-0.015 χ^2/NDF: 1356630.6/59

In: -25.125+/-0.012 χ^2/NDF:1185768.8/50

Out: -25.323+/-0.012 χ^2/NDF:1103584.1/55

All: -25.225+/-0.009 χ^2/NDF: 2289483.2/106

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -26.460+/-0.293 χ^2/NDF: 2998.9/27

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -24.918+/-0.281 χ^2/NDF: 3599.7/31

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

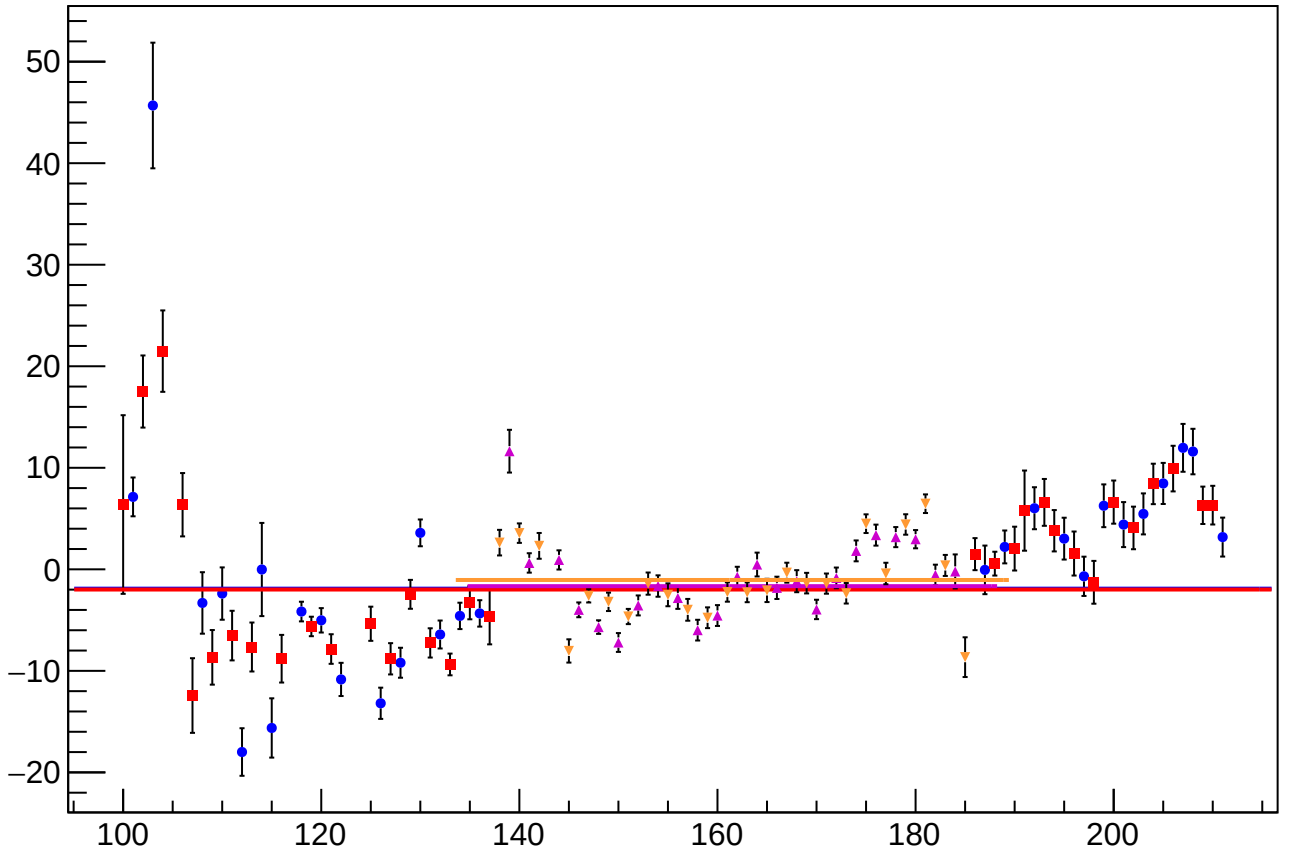
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -25.655+/-0.203 χ^2/NDF: 6613.0/59

In: -29.882+/-0.198 χ^2/NDF:4392.5/50

Out: -29.528+/-0.193 χ^2/NDF:5126.4/55

All: -29.700+/-0.138 χ^2/NDF: 9520.5/106



Right In: -1.904+/-0.332 χ^2/NDF: 475.9/27

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.990+/-0.326 χ^2/NDF: 382.1/31

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

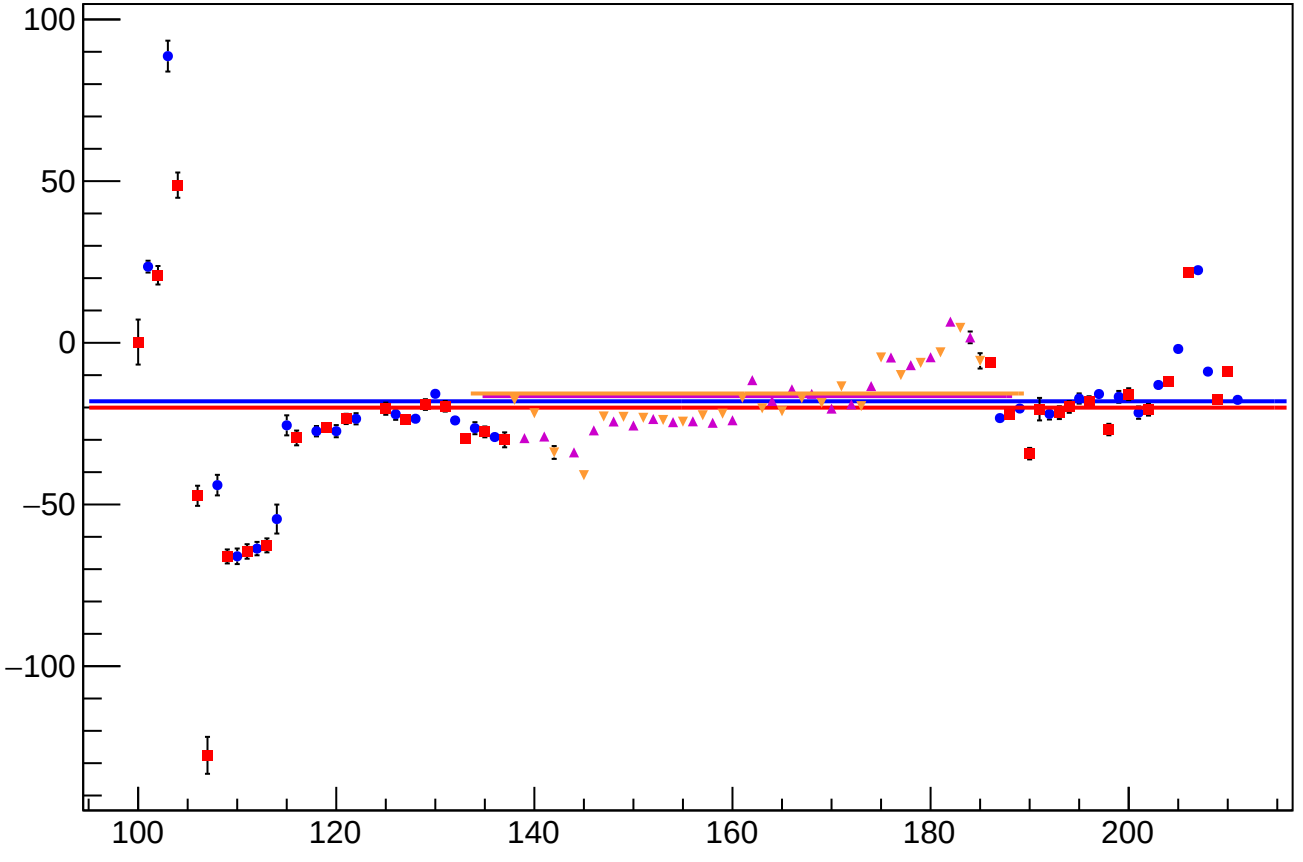
Right: -1.948+/-0.232 χ^2/NDF: 858.0/59

In: -1.727+/-0.175 χ^2/NDF:740.6/50

Out: -1.313+/-0.172 χ^2/NDF:677.5/55

All: -1.516+/-0.123 χ^2/NDF: 1421.0/106

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.080+/-0.301 χ^2/NDF: 3259.9/27

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -20.046+/-0.281 χ^2/NDF: 3568.9/31

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

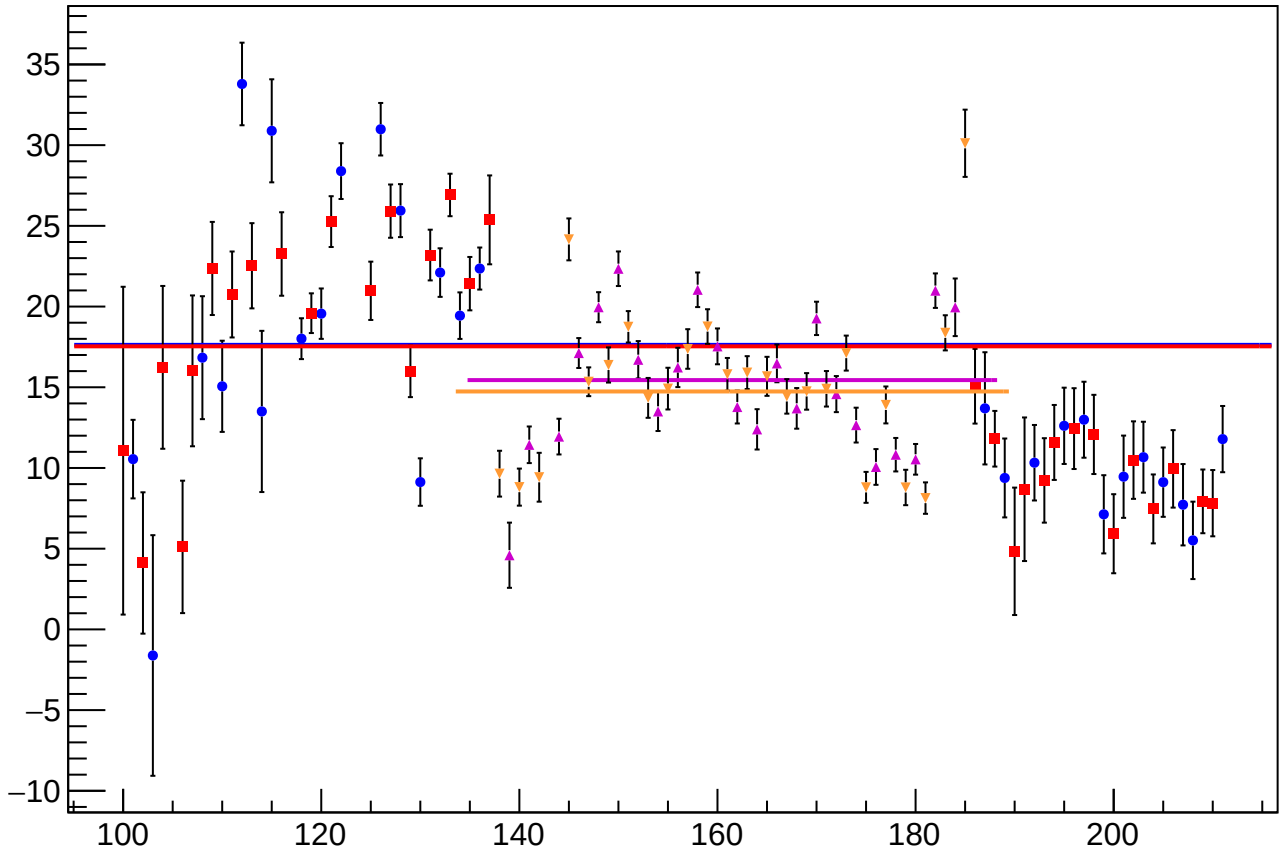
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -19.130+/-0.205 χ^2/NDF: 6851.6/59

In: -17.182+/-0.199 χ^2/NDF:4973.5/50

Out: -17.718+/-0.192 χ^2/NDF:5218.8/55

All: -17.460+/-0.138 χ^2/NDF: 10196.0/106



Right In: 17.627+/-0.381 χ^2/NDF: 399.0/27

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.536+/-0.381 χ^2/NDF: 328.1/31

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

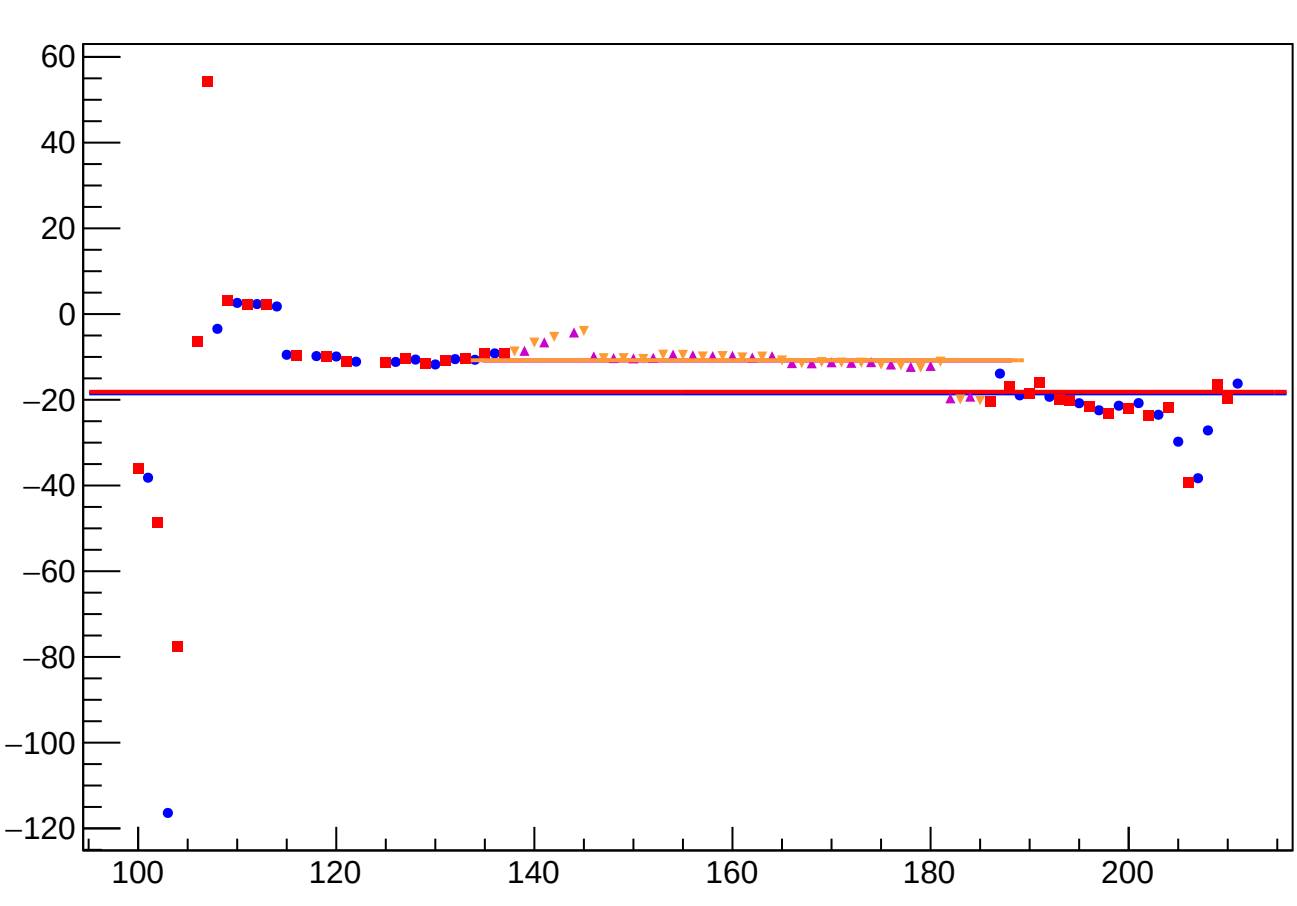
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 17.581+/-0.270 χ^2/NDF: 727.2/59

In: 16.038+/-0.199 χ^2/NDF:713.3/50

Out: 15.484+/-0.197 χ^2/NDF:698.6/55

All: 15.758+/-0.140 χ^2/NDF: 1415.8/106



Right In: -18.498+/-0.019 χ^2/NDF: 454339.9/27

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.139+/-0.018 χ^2/NDF: 432860.4/31

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

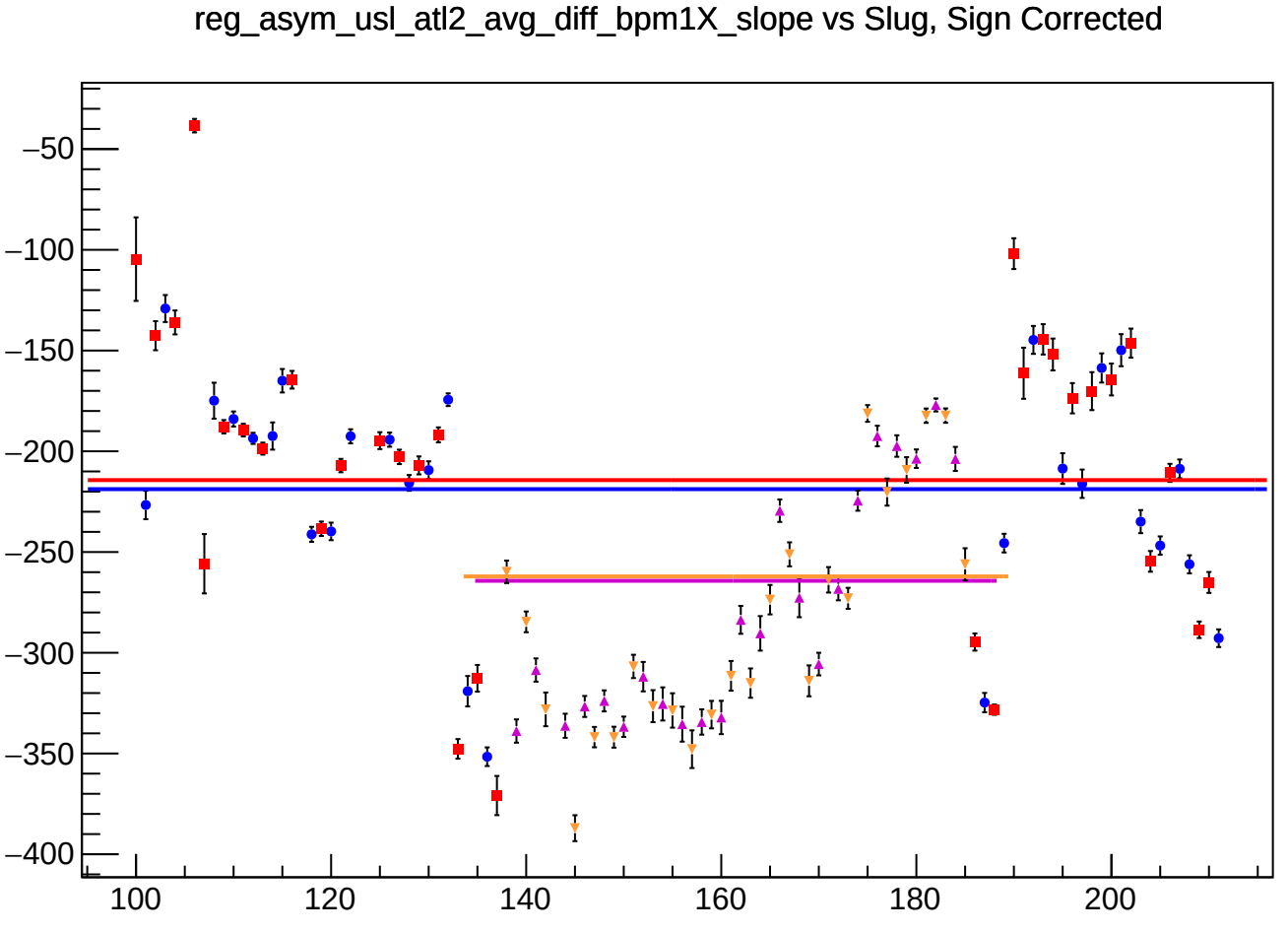
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.316+/-0.013 χ^2/NDF: 887388.6/59

In: -12.625+/-0.009 χ^2/NDF:657552.2/50

Out: -12.532+/-0.009 χ^2/NDF:639690.0/55

All: -12.579+/-0.006 χ^2/NDF: 1297295.7/106



Right In: -218.791+/-0.881 χ^2/NDF: 3032.6/27

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -214.312+/-0.812 χ^2/NDF: 8072.5/31

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

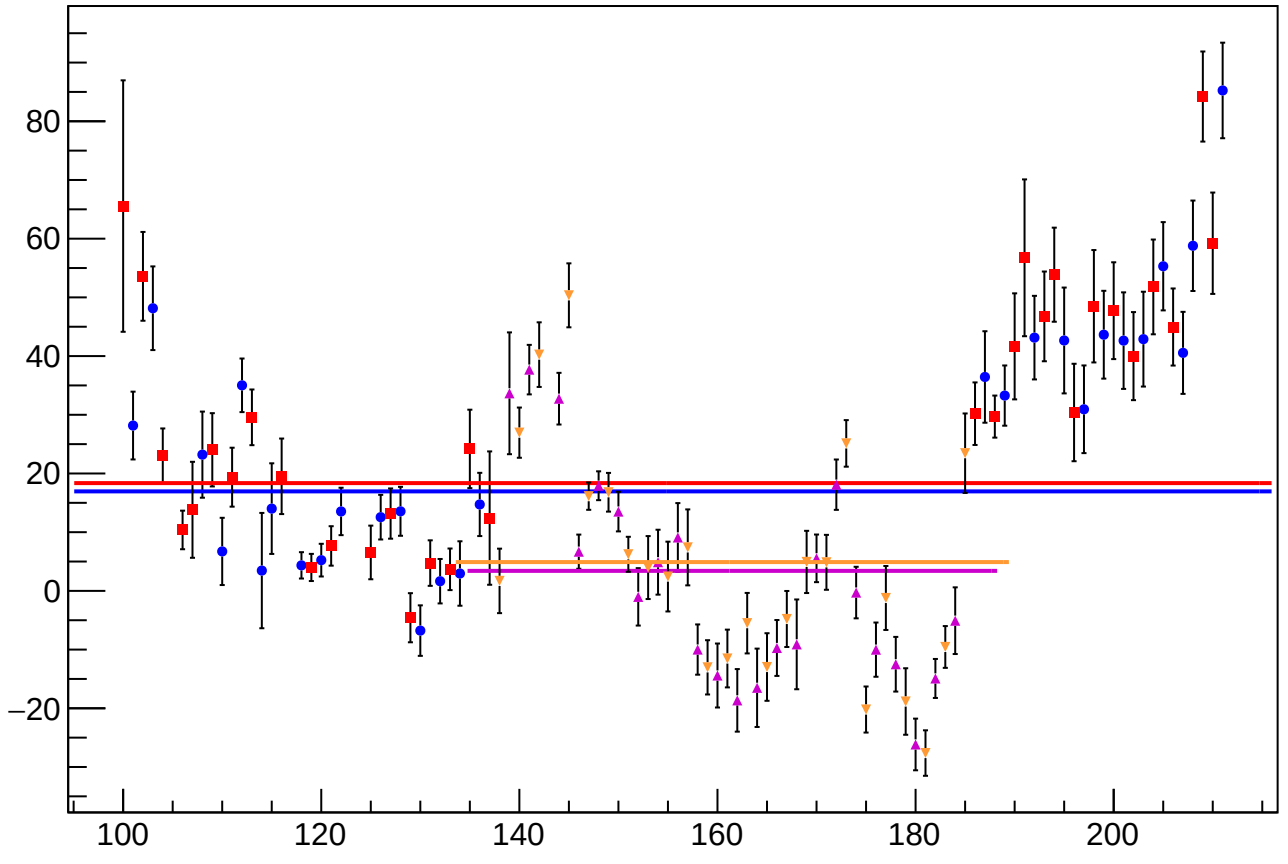
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -216.370+/-0.597 χ^2/NDF: 11119.1/59

In: -234.961+/-0.707 χ^2/NDF:6722.9/50

Out: -229.688+/-0.669 χ^2/NDF:12151.3/55

All: -232.179+/-0.486 χ^2/NDF: 18903.6/106



Right In: 16.950+/-0.952 χ^2/NDF: 361.6/27

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 18.362+/-0.910 χ^2/NDF: 383.6/31

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

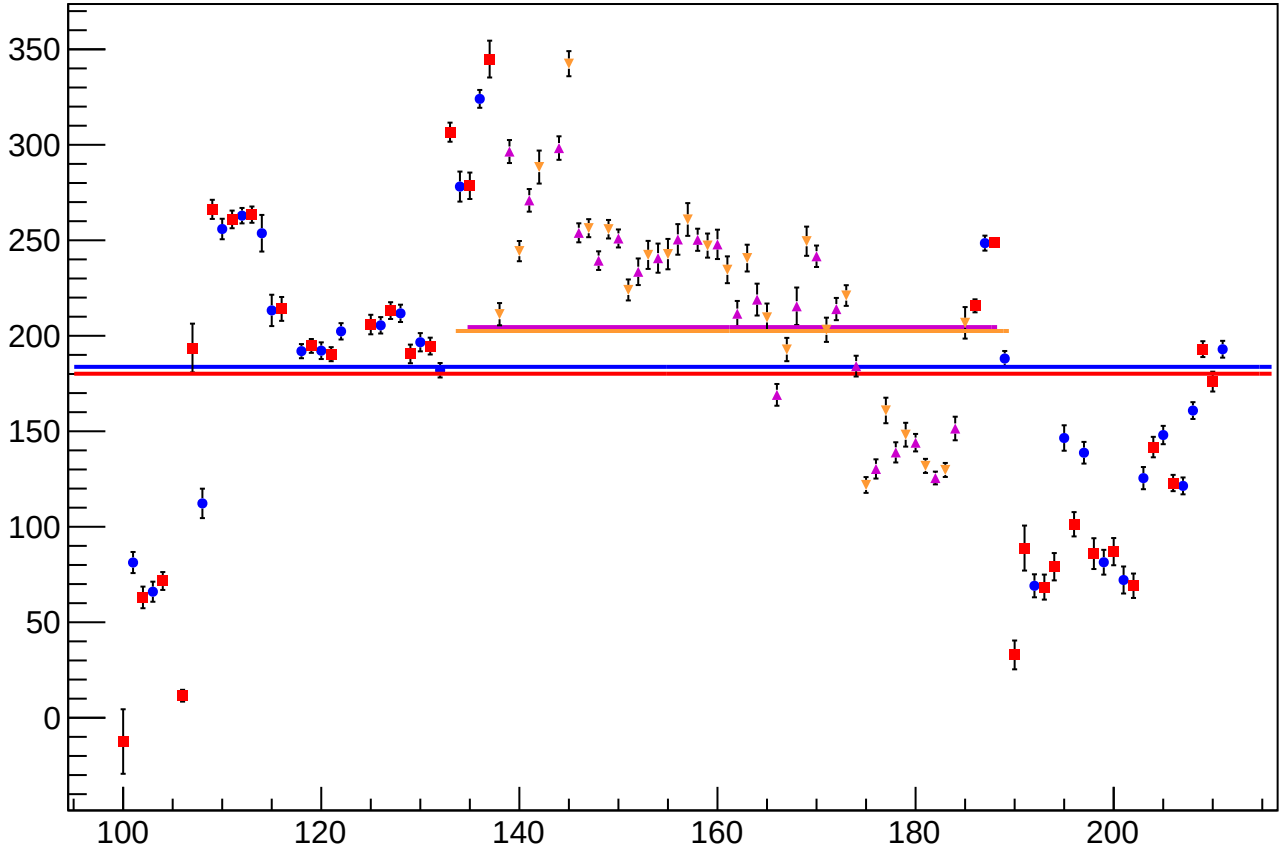
Right: 17.688+/-0.658 χ^2/NDF: 746.3/59

In: 9.806+/-0.654 χ^2/NDF:801.6/50

Out: 11.462+/-0.635 χ^2/NDF:894.8/55

All: 10.659+/-0.456 χ^2/NDF: 1699.7/106

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.736+/-0.934 χ^2/NDF: 4321.8/27

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.133+/-0.838 χ^2/NDF: 9498.2/31

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

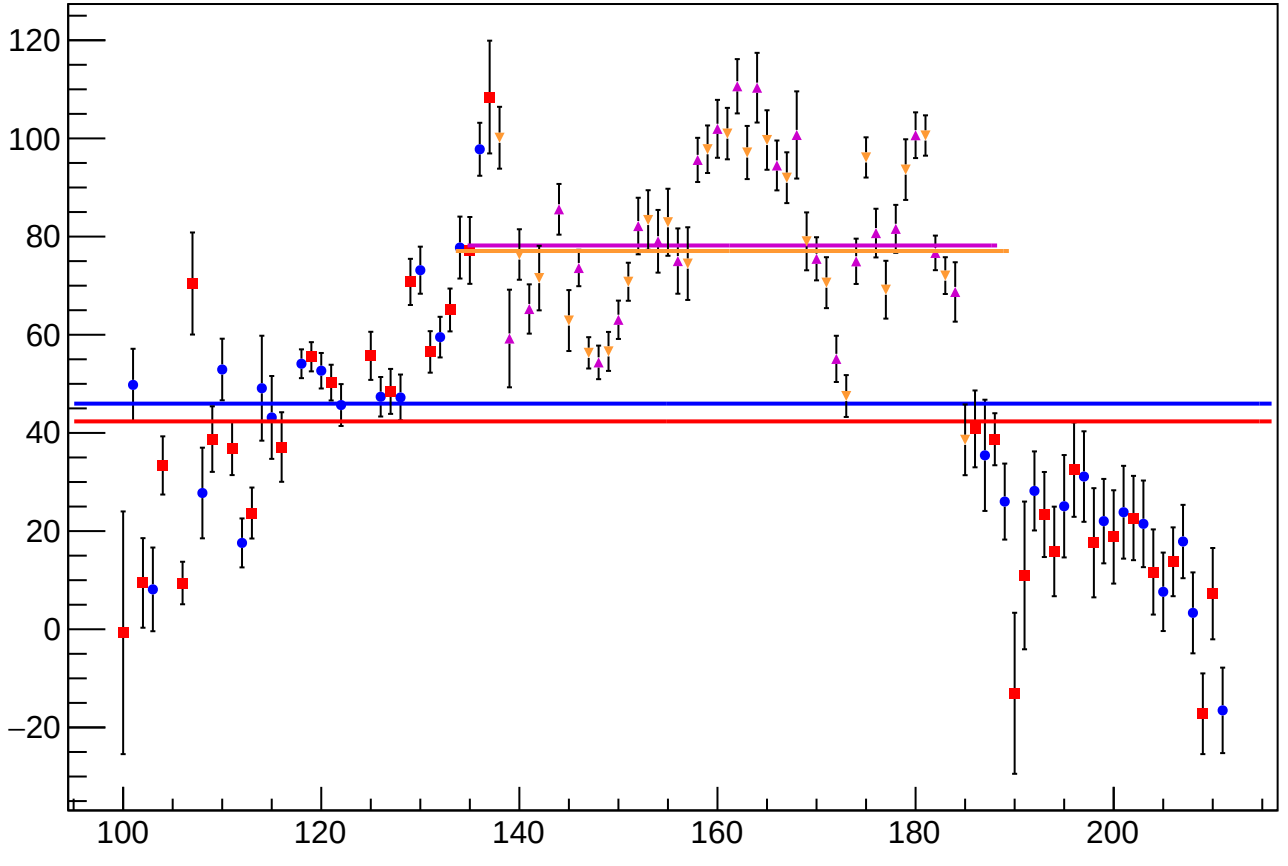
Right: 181.741+/-0.624 χ^2/NDF: 13828.2/59

In: 191.777+/-0.732 χ^2/NDF:6799.6/50

Out: 187.699+/-0.682 χ^2/NDF:12132.6/55

All: 189.595+/-0.499 χ^2/NDF: 18948.9/106

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.969+/-1.112 χ^2/NDF: 384.8/27

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.349+/-1.074 χ^2/NDF: 408.4/31

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

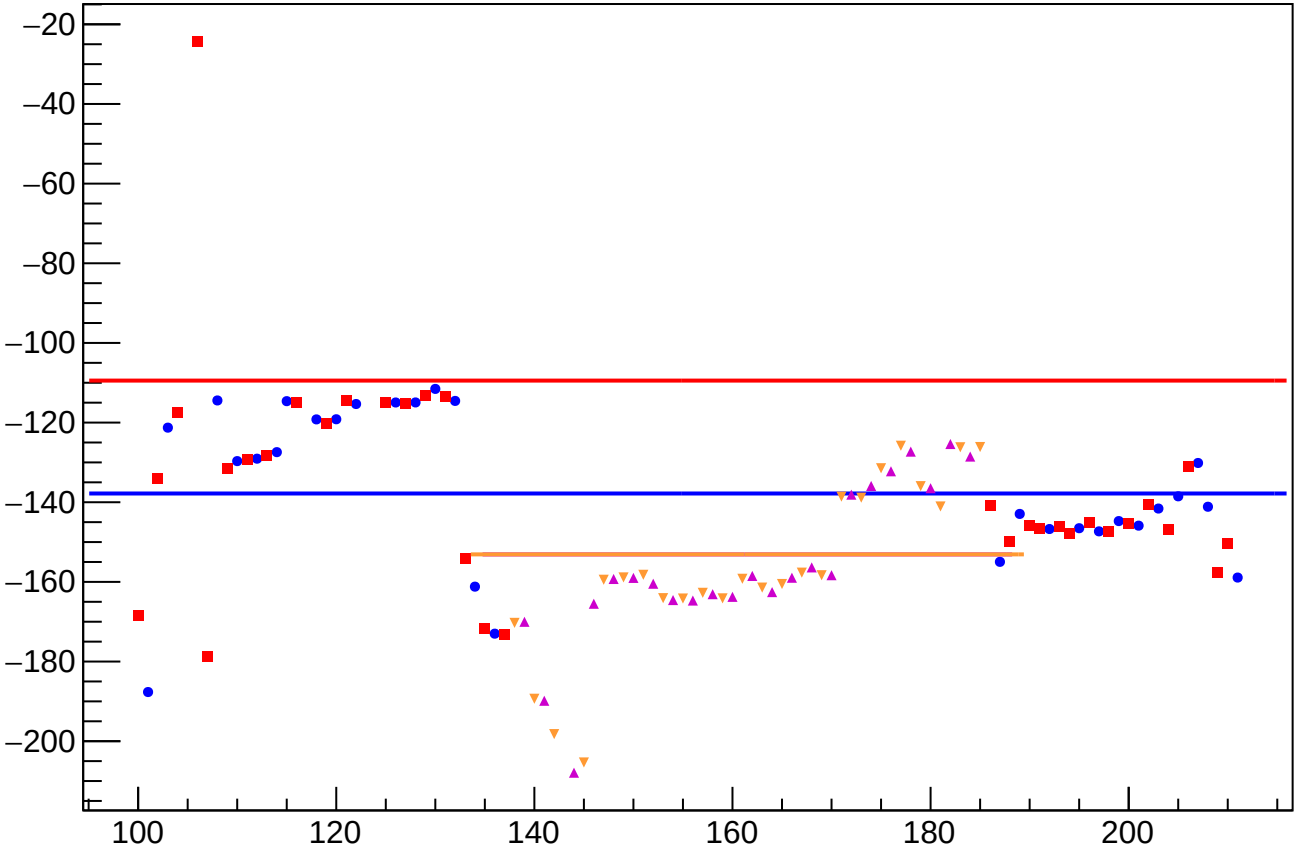
Right: 44.096+/-0.772 χ^2/NDF: 798.7/59

In: 63.380+/-0.754 χ^2/NDF:1070.9/50

Out: 60.679+/-0.738 χ^2/NDF:1271.4/55

All: 62.000+/-0.527 χ^2/NDF: 2348.9/106

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.804+/-0.060 χ^2/NDF: 106541.7/27

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -109.455+/-0.051 χ^2/NDF: 1011490.5/31

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

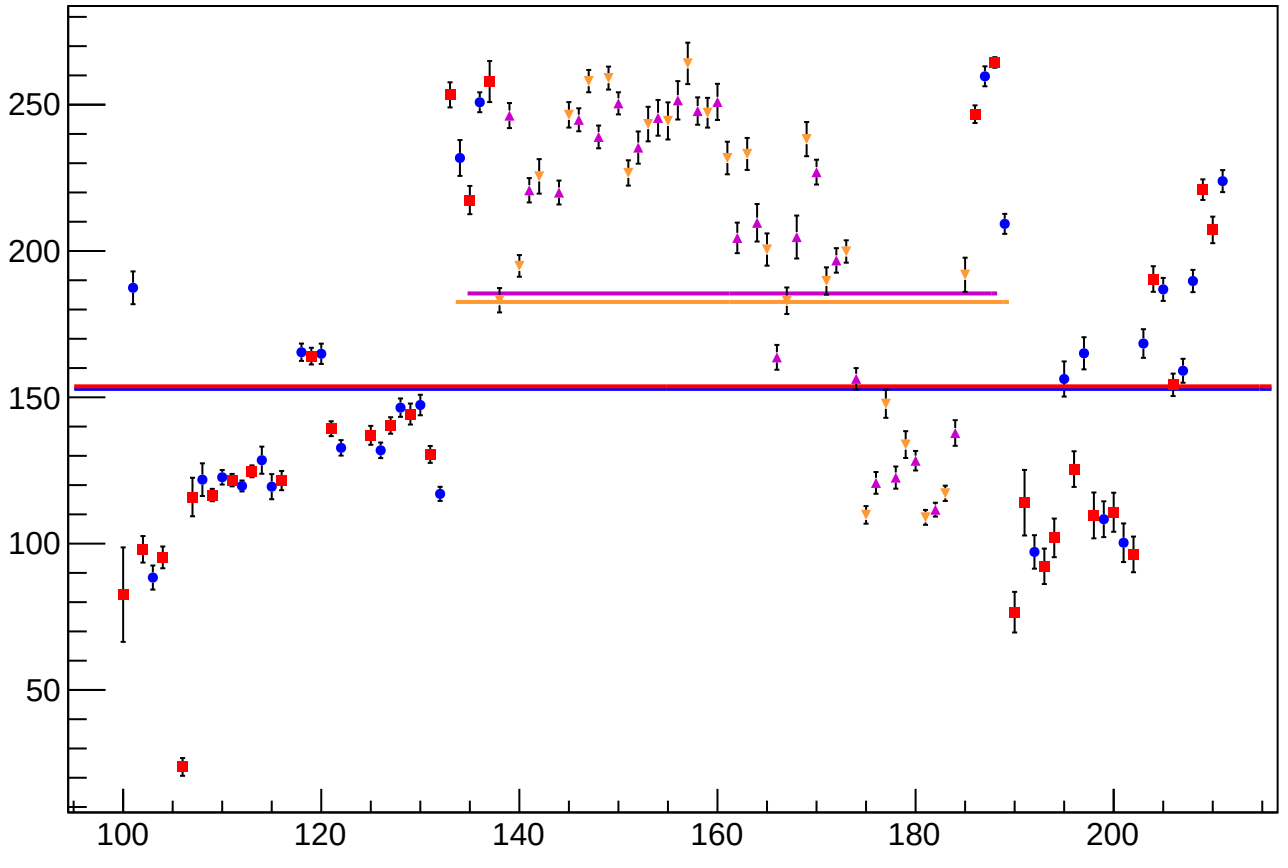
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -121.299+/-0.039 χ^2/NDF: 1246305.4/59

In: -147.388+/-0.037 χ^2/NDF:313388.1/50

Out: -133.157+/-0.035 χ^2/NDF:1584164.0/55

All: -139.809+/-0.025 χ^2/NDF: 1976727.5/10



Right In: 152.880+/-0.668 χ^2/NDF: 4253.3/27

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.749+/-0.610 χ^2/NDF: 9983.0/31

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

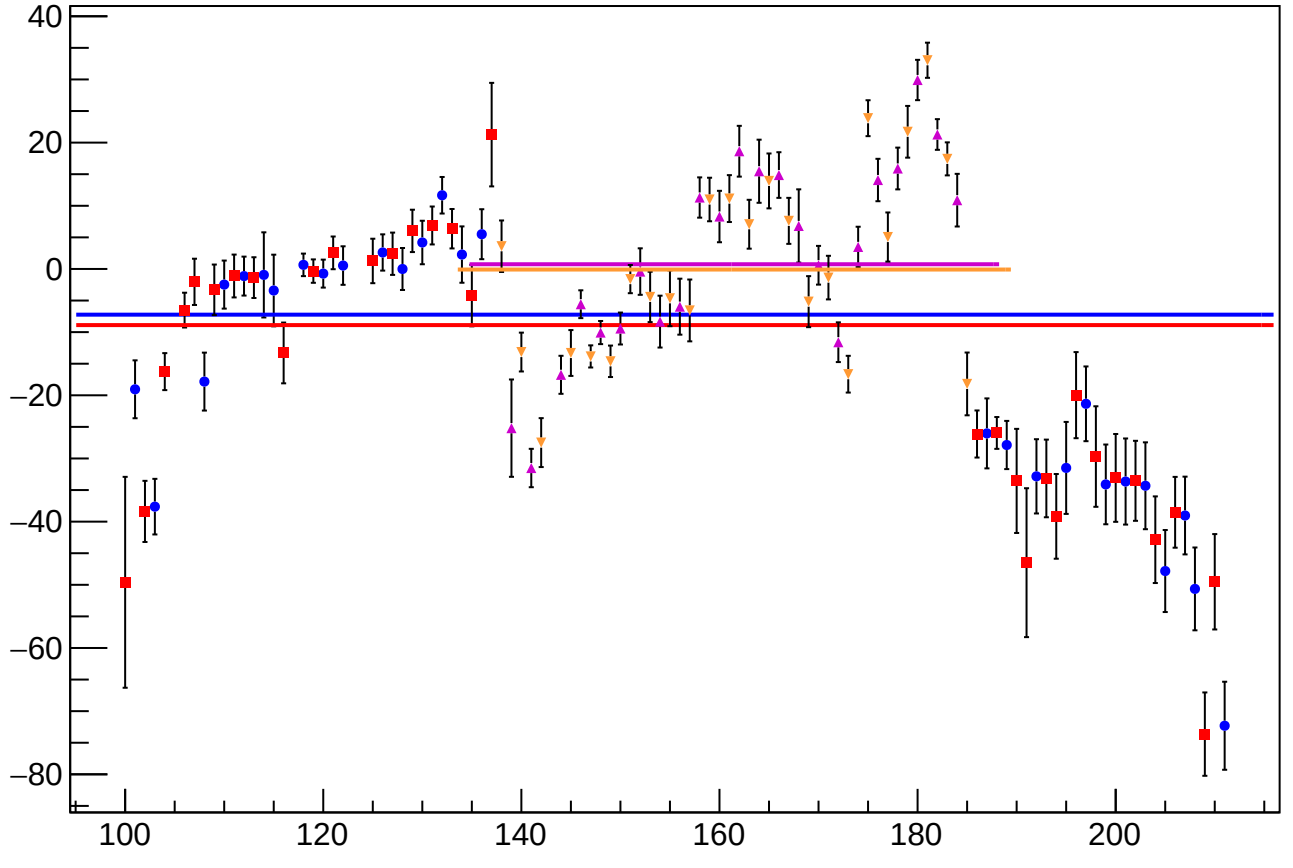
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 153.354+/-0.450 χ^2/NDF: 14237.2/59

In: 164.926+/-0.530 χ^2/NDF:8957.1/50

Out: 163.305+/-0.498 χ^2/NDF:14877.1/55

All: 164.066+/-0.363 χ^2/NDF: 23839.2/106



Right In: -7.236+/-0.731 χ^2/NDF: 508.3/27

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -8.887+/-0.689 χ^2/NDF: 550.4/31

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

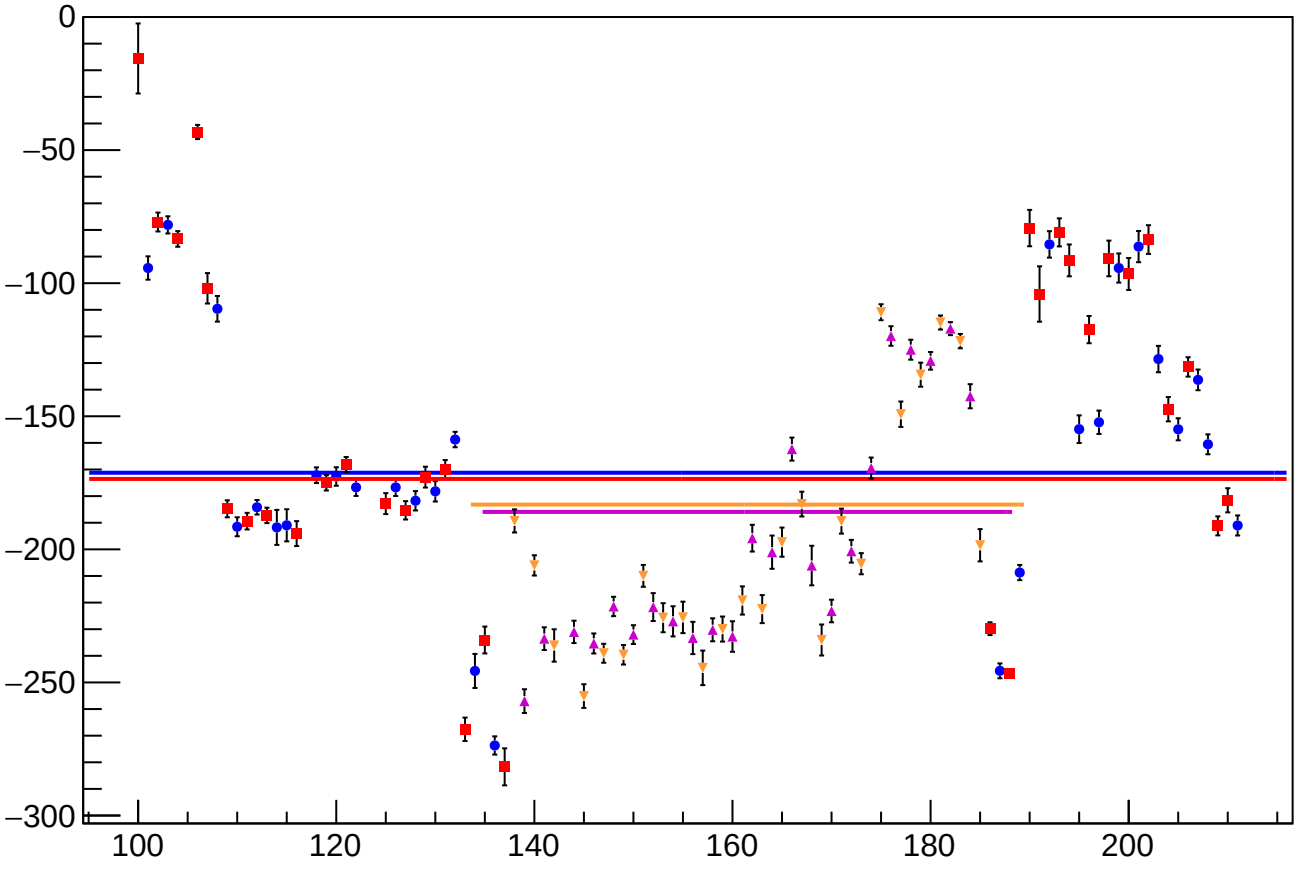
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.110+/-0.502 χ^2/NDF: 1061.4/59

In: -2.868+/-0.492 χ^2/NDF:1071.3/50

Out: -4.264+/-0.475 χ^2/NDF:1191.3/55

All: -3.591+/-0.342 χ^2/NDF: 2266.8/106



Right In: -171.211+/-0.713 χ^2/NDF: 4261.8/27

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.546+/-0.632 χ^2/NDF: 10024.4/31

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

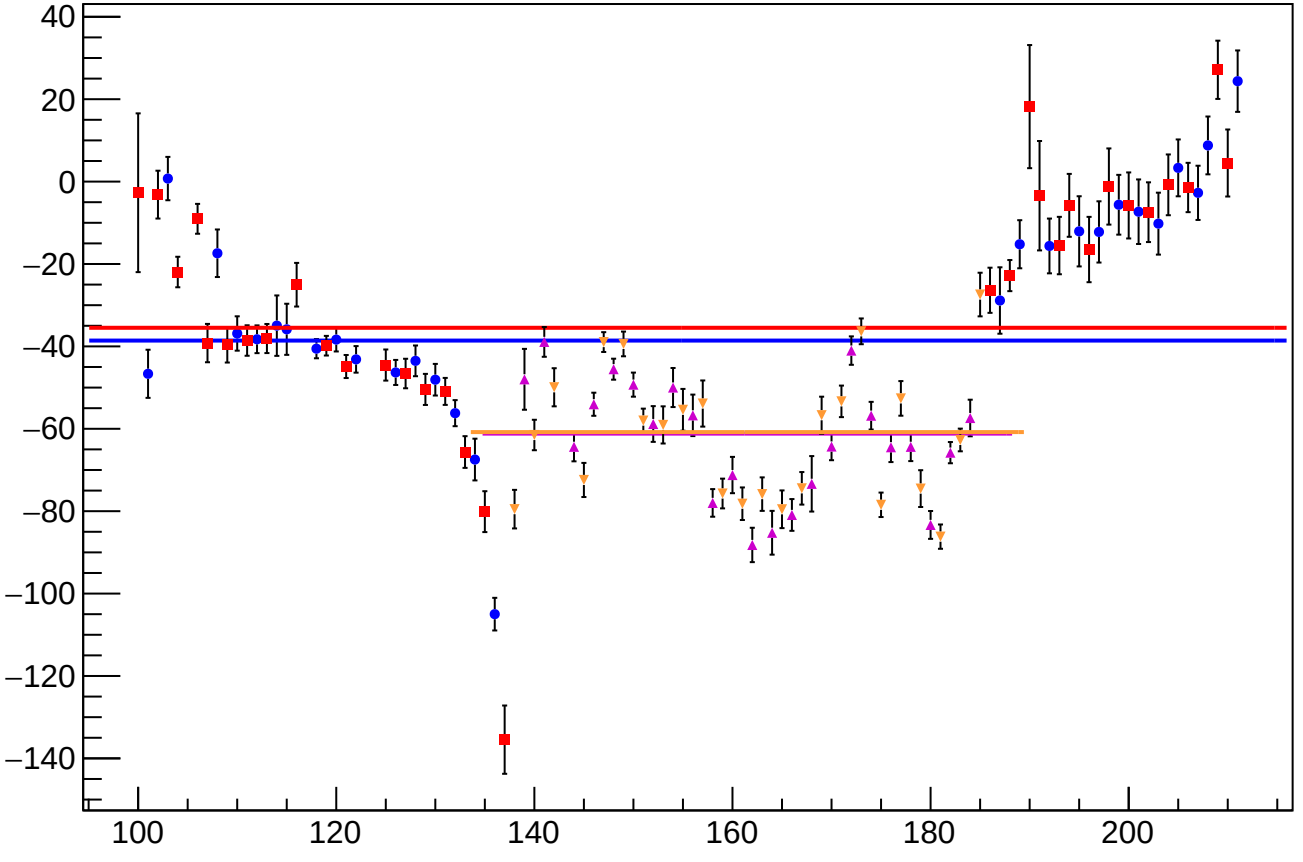
Right: -172.520+/-0.473 χ^2/NDF: 14292.2/59

In: -177.156+/-0.551 χ^2/NDF:7615.3/50

Out: -176.908+/-0.510 χ^2/NDF:13466.7/55

All: -177.023+/-0.374 χ^2/NDF: 21082.2/106

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -38.587+/-0.854 χ^2/NDF: 719.4/27

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.482+/-0.815 χ^2/NDF: 724.4/31

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

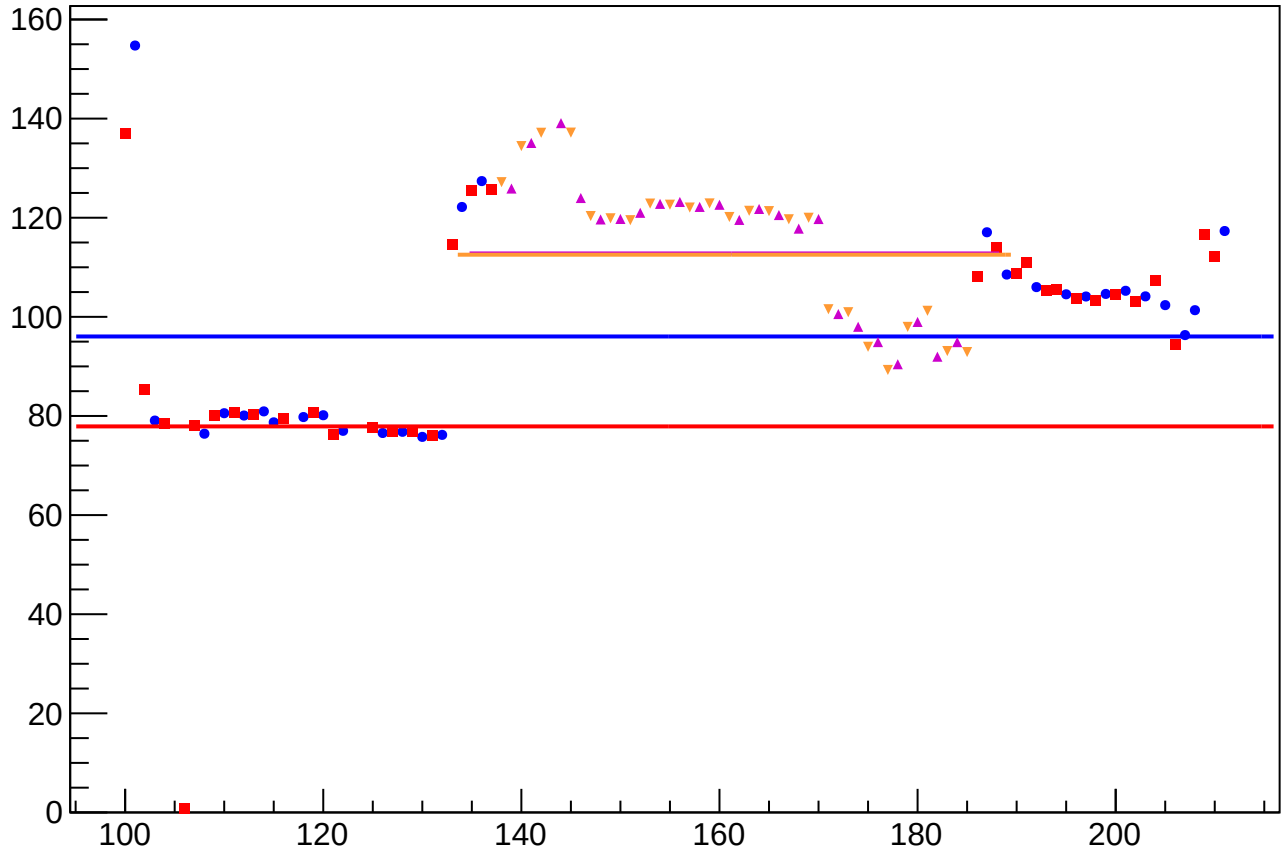
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.964+/-0.590 χ^2/NDF: 1450.8/59

In: -51.233+/-0.566 χ^2/NDF:1428.2/50

Out: -49.214+/-0.552 χ^2/NDF:1721.5/55

All: -50.197+/-0.395 χ^2/NDF: 3156.2/106



Right In: 96.040+/-0.046 χ^2/NDF: 186878.8/27

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 77.894+/-0.040 χ^2/NDF: 906185.2/31

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

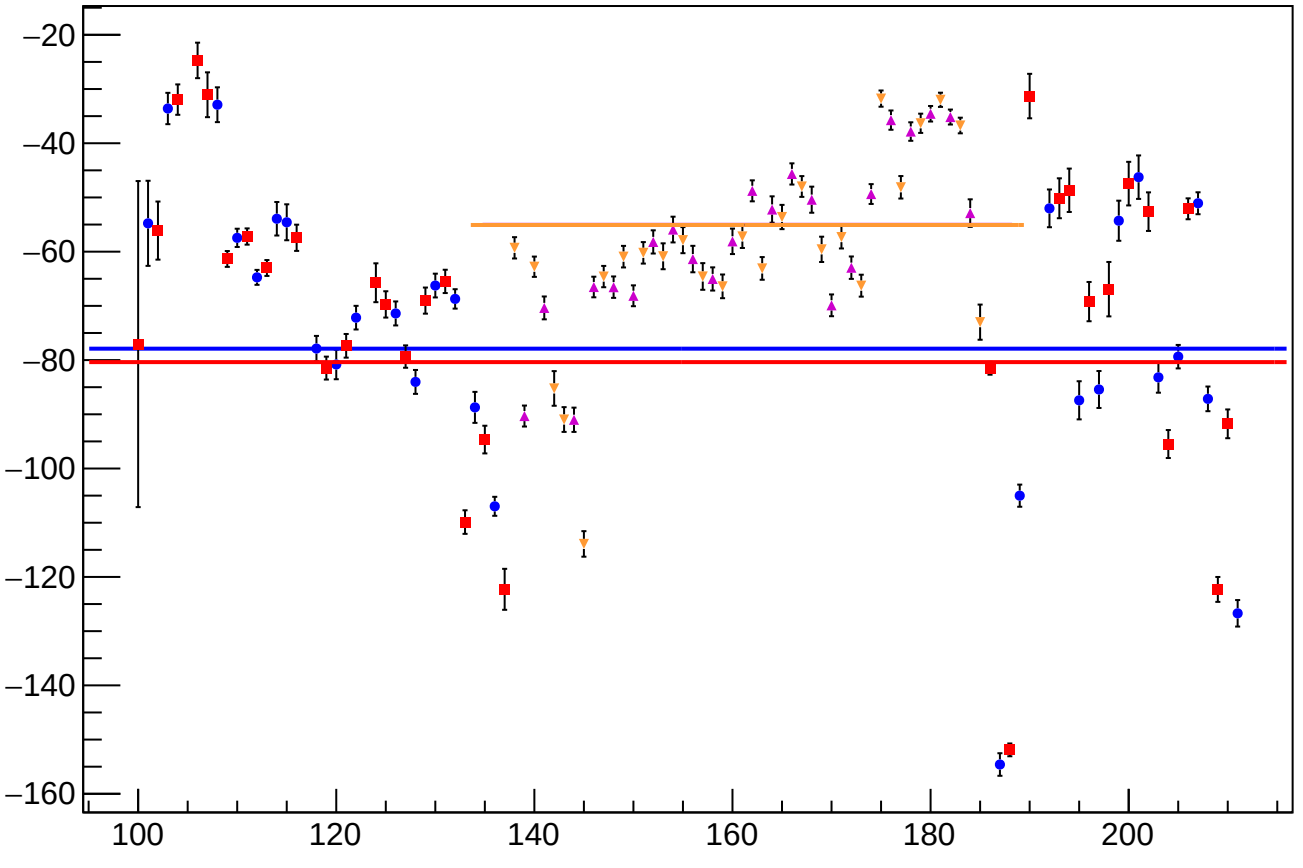
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 85.739+/-0.030 χ^2/NDF: 1180442.4/59

In: 106.820+/-0.028 χ^2/NDF:442965.9/50

Out: 97.873+/-0.026 χ^2/NDF:1505548.8/55

All: 102.121+/-0.019 χ^2/NDF: 2003635.8/106



Right In: -77.893+/-0.447 χ^2/NDF: 3455.7/27

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.373+/-0.400 χ^2/NDF: 6530.1/31

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

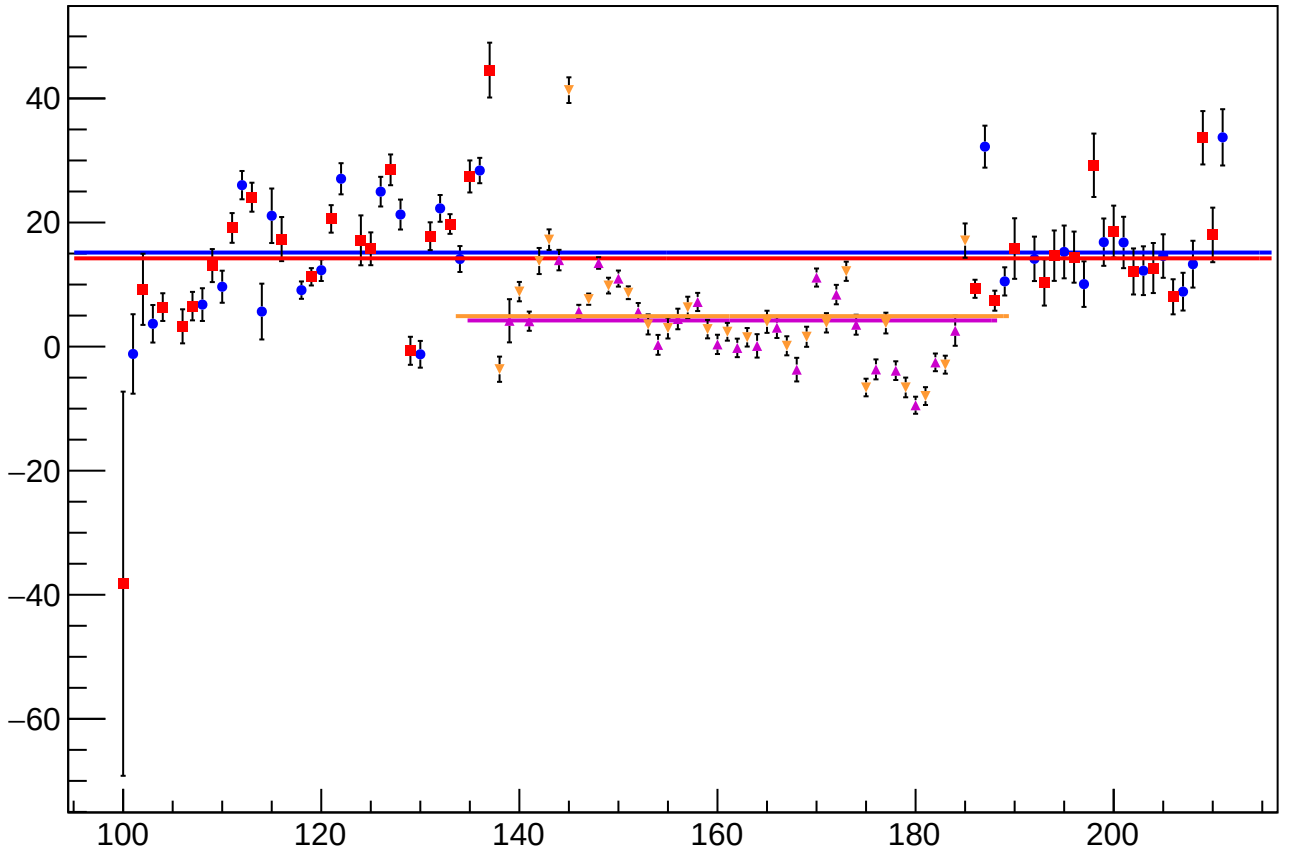
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.268+/-0.298 χ^2/NDF: 10002.9/59

In: -65.508+/-0.302 χ^2/NDF:6415.5/50

Out: -67.731+/-0.283 χ^2/NDF:10528.0/56

All: -66.692+/-0.207 χ^2/NDF: 16972.4/107



Right In: 15.160+/-0.503 χ^2/NDF: 296.3/27

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.225+/-0.458 χ^2/NDF: 310.9/31

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

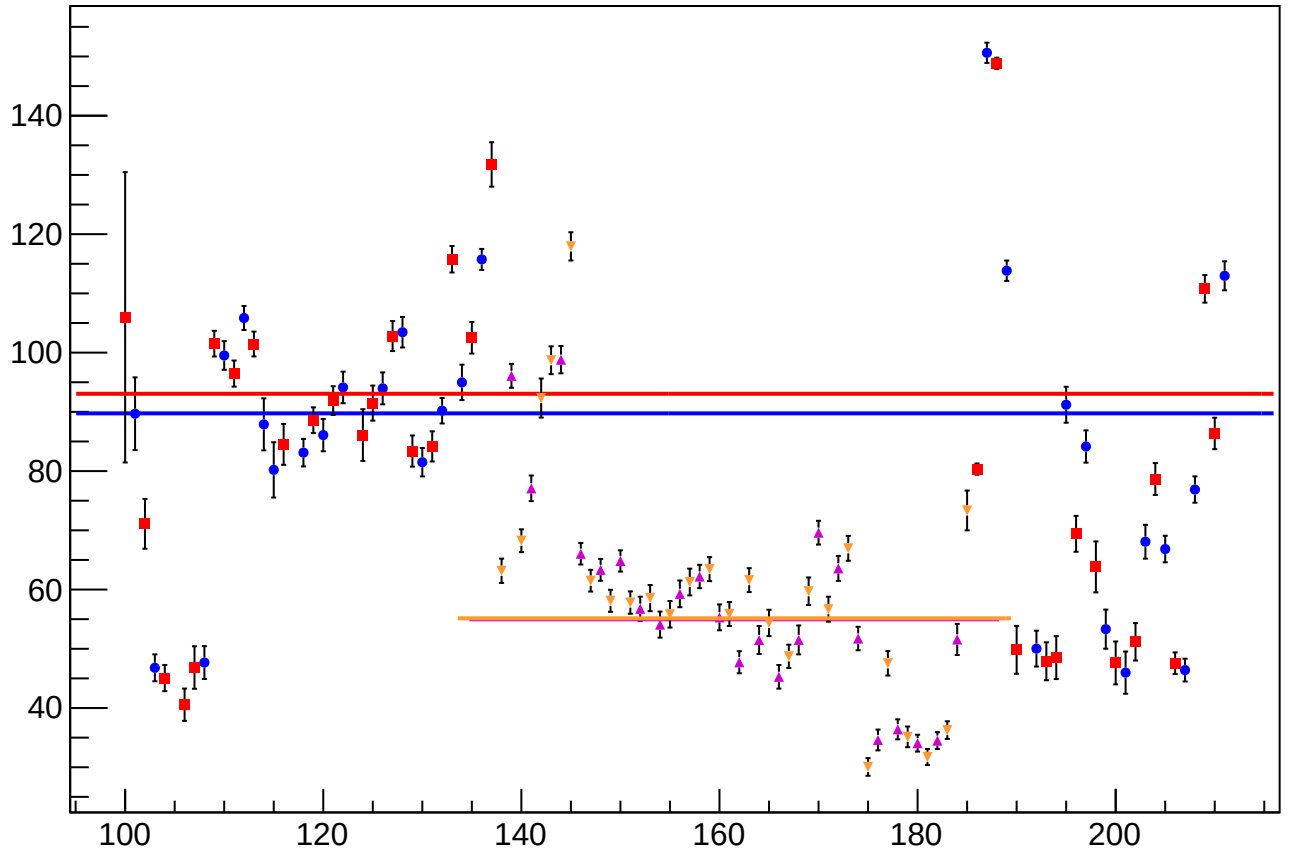
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.649+/-0.339 χ^2/NDF: 609.2/59

In: 7.261+/-0.265 χ^2/NDF:1053.1/50

Out: 7.721+/-0.252 χ^2/NDF:1340.7/56

All: 7.503+/-0.183 χ^2/NDF: 2395.3/107



Right In: 89.747+/-0.466 χ^2/NDF: 3652.5/27

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 93.053+/-0.402 χ^2/NDF: 6598.1/31

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

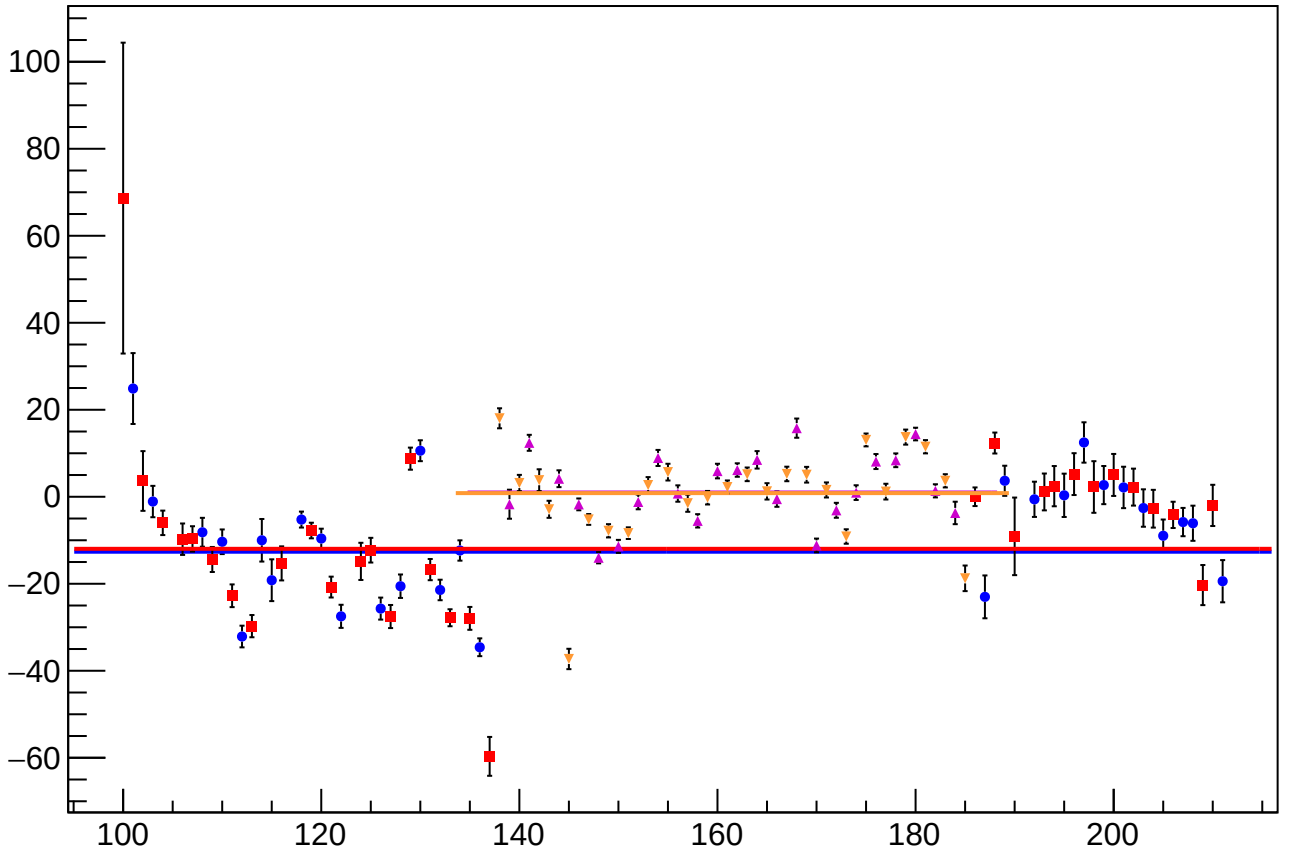
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 91.644+/-0.304 χ^2/NDF: 10279.5/59

In: 69.950+/-0.306 χ^2/NDF:8599.4/50

Out: 73.859+/-0.282 χ^2/NDF:13344.6/56

All: 72.061+/-0.208 χ^2/NDF: 22032.1/107



Right In: -12.633+/-0.582 χ^2/NDF: 513.3/27

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.967+/-0.547 χ^2/NDF: 637.4/31

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

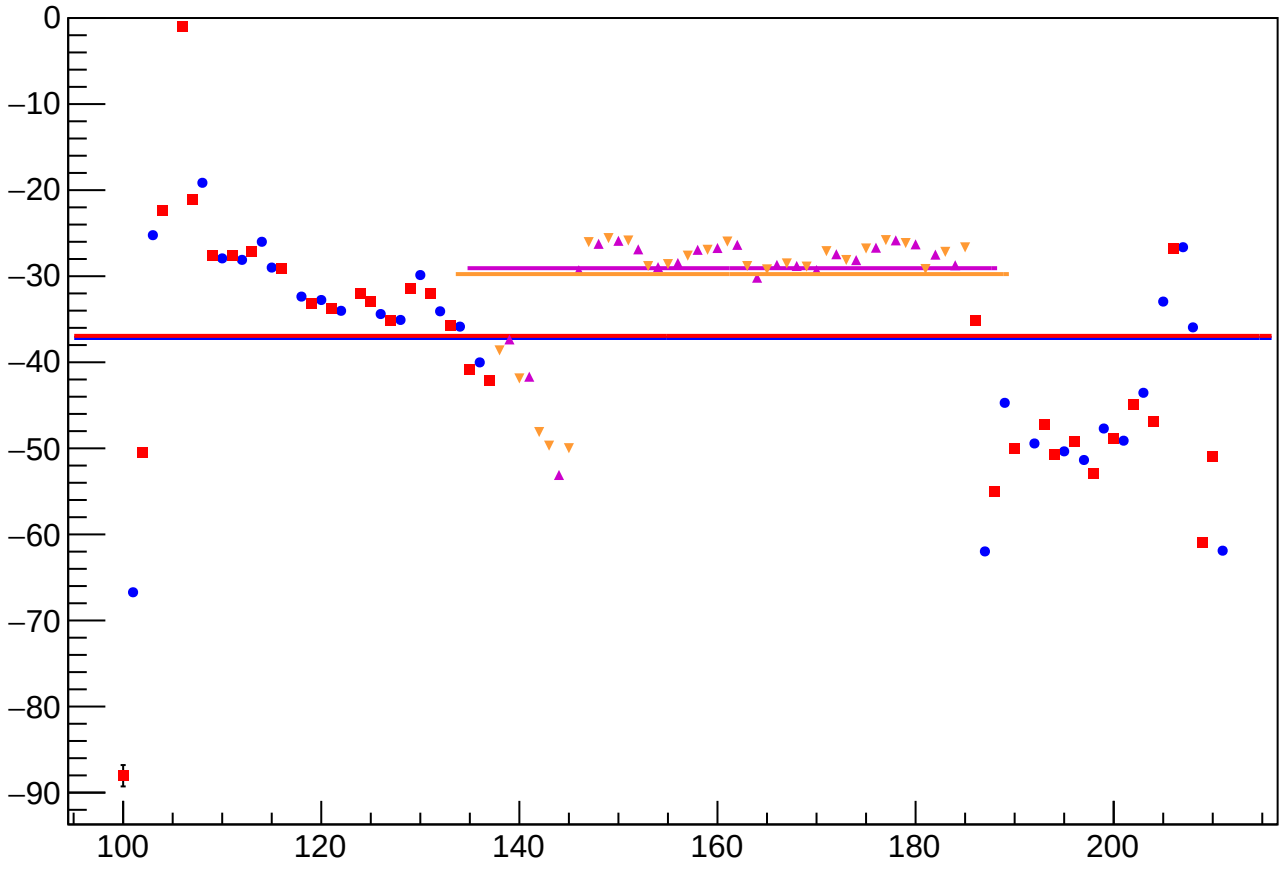
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.279+/-0.399 χ^2/NDF: 1151.4/59

In: -2.685+/-0.302 χ^2/NDF:1471.4/50

Out: -2.774+/-0.290 χ^2/NDF:1748.3/56

All: -2.731+/-0.209 χ^2/NDF: 3219.8/107



Right In: -37.178+/-0.029 χ^2/NDF: 131254.2/27

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.931+/-0.028 χ^2/NDF: 229799.6/31

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

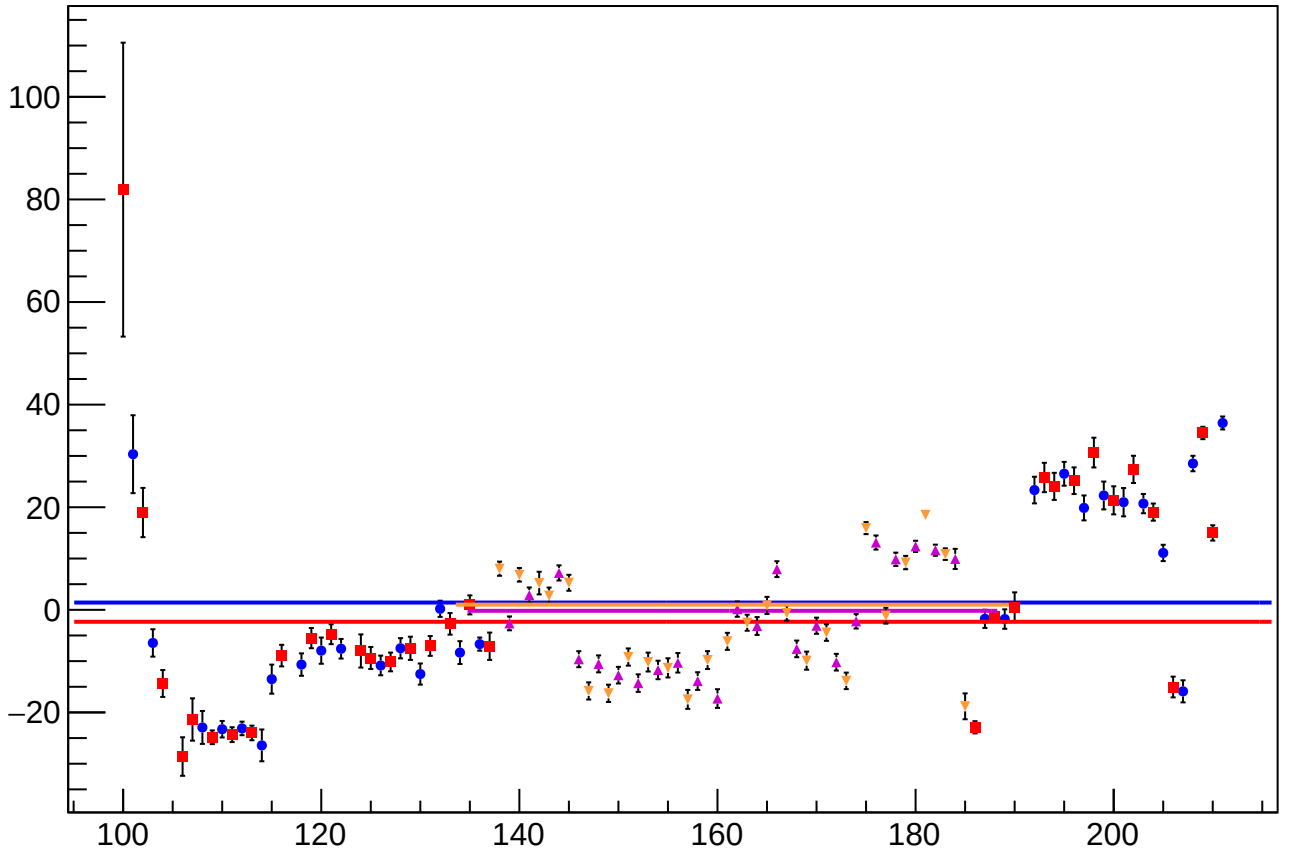
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.051+/-0.020 χ^2/NDF: 361091.2/59

In: -30.927+/-0.014 χ^2/NDF:293279.7/50

Out: -31.428+/-0.014 χ^2/NDF:442890.2/56

All: -31.182+/-0.010 χ^2/NDF: 736832.0/107



Right In: 1.418+/-0.368 χ^2/NDF: 2663.3/27

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -2.331+/-0.340 χ^2/NDF: 3136.3/31

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

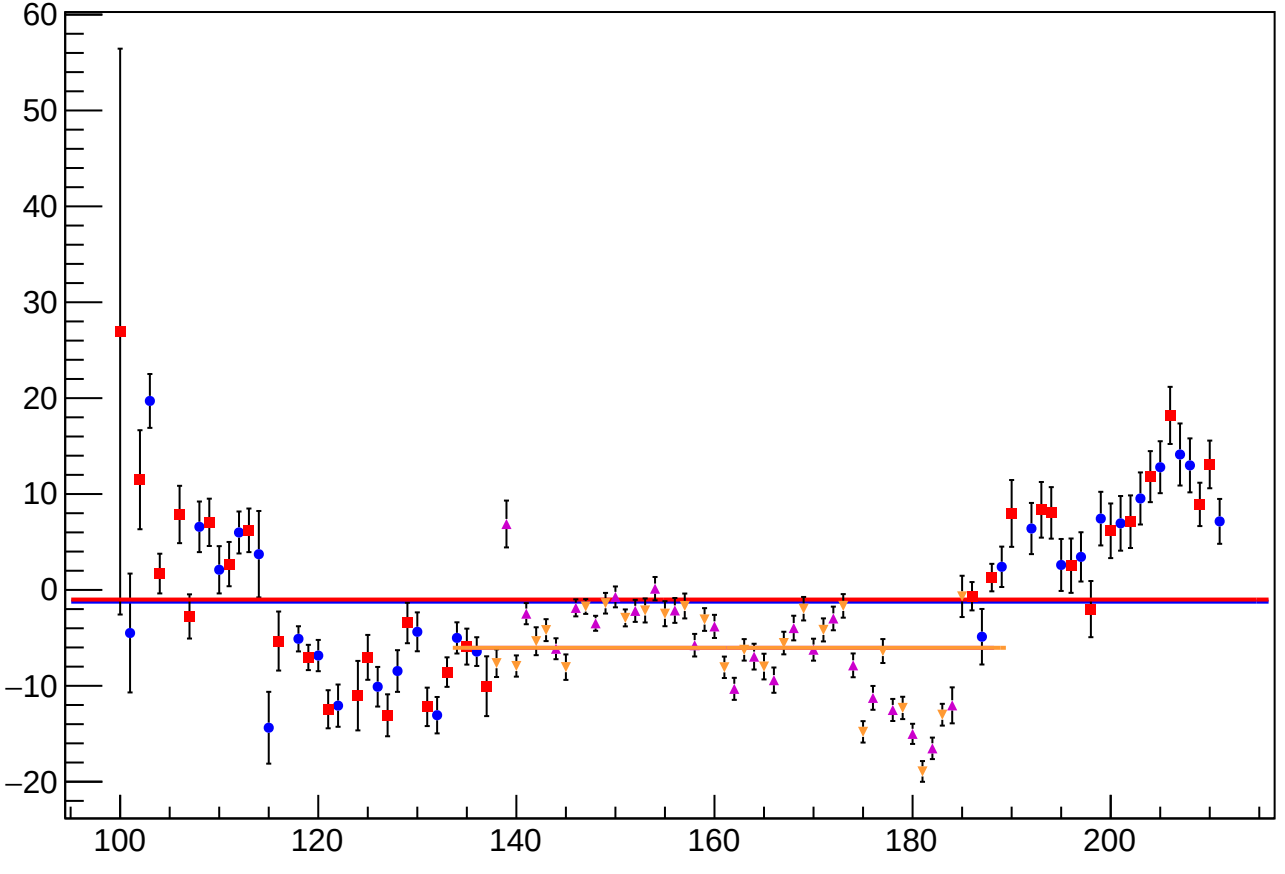
Right: -0.607+/-0.250 χ^2/NDF: 5855.6/59

In: 0.488+/-0.239 χ^2/NDF:3657.1/50

Out: -0.477+/-0.227 χ^2/NDF:4525.1/56

All: -0.020+/-0.165 χ^2/NDF: 8190.8/107

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.224+/-0.429 χ^2/NDF: 363.0/27

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.005+/-0.402 χ^2/NDF: 377.9/31

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

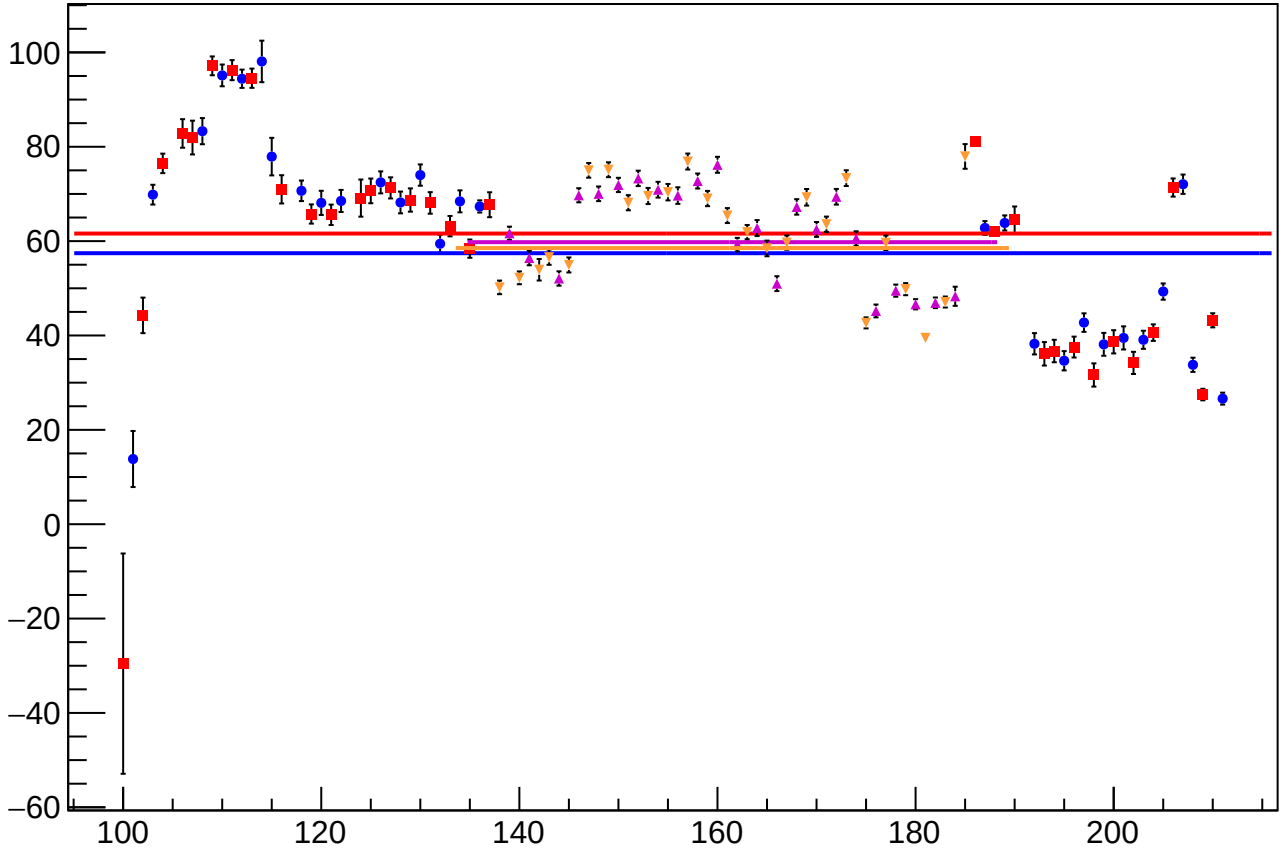
Right: -1.107+/-0.293 χ^2/NDF: 741.1/59

In: -4.873+/-0.211 χ^2/NDF:854.9/50

Out: -4.767+/-0.202 χ^2/NDF:910.1/56

All: -4.818+/-0.146 χ^2/NDF: 1765.1/107

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.439+/-0.380 χ^2/NDF: 2599.9/27

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 61.606+/-0.340 χ^2/NDF: 3308.2/31

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

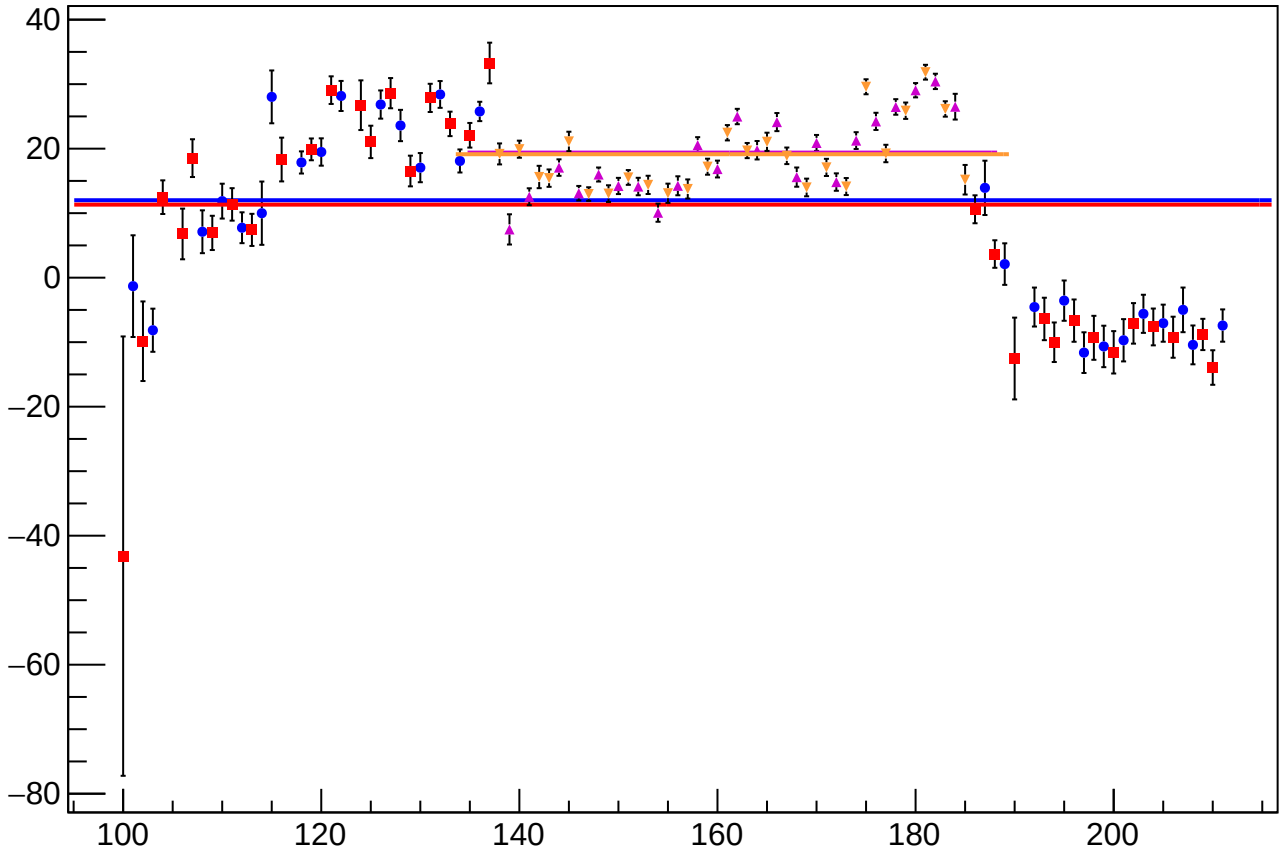
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 59.751+/-0.253 χ^2/NDF: 5974.8/59

In: 58.837+/-0.241 χ^2/NDF:3693.1/50

Out: 59.893+/-0.226 χ^2/NDF:4802.8/56

All: 59.398+/-0.165 χ^2/NDF: 8506.1/107



Right In: 12.005+/-0.490 χ^2/NDF: 797.9/27

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 11.323+/-0.472 χ^2/NDF: 895.2/31

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

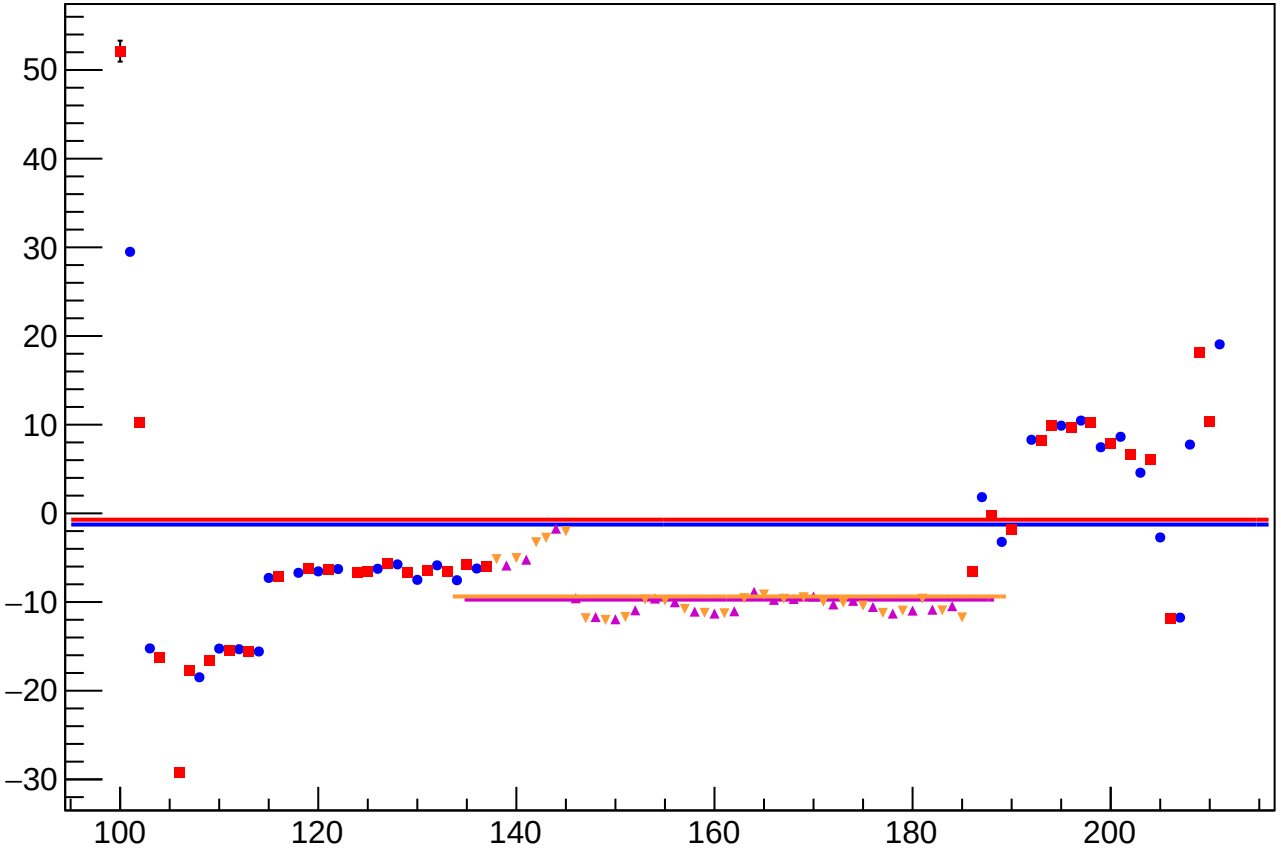
Right: 11.651+/-0.340 χ^2/NDF: 1694.1/59

In: 17.635+/-0.239 χ^2/NDF:1438.8/50

Out: 17.279+/-0.230 χ^2/NDF:1537.4/56

All: 17.450+/-0.166 χ^2/NDF: 2977.3/107

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.262+/-0.023 χ^2/NDF: 192707.0/27

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.711+/-0.023 χ^2/NDF: 232516.3/31

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

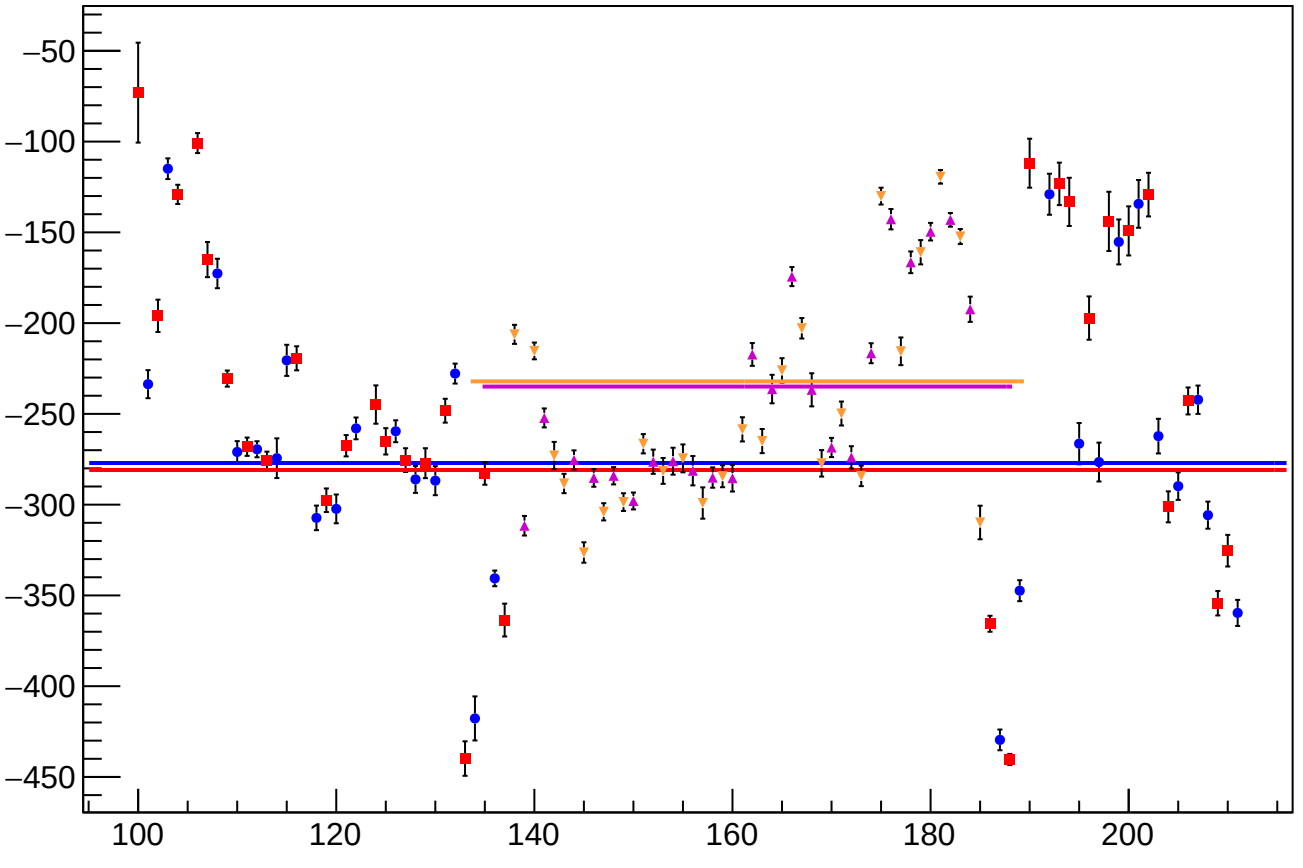
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.983+/-0.016 χ^2/NDF: 425509.9/59

In: -7.905+/-0.011 χ^2/NDF:329731.4/50

Out: -7.529+/-0.011 χ^2/NDF:395737.0/56

All: -7.713+/-0.008 χ^2/NDF: 726093.8/107



Right In: -277.045+/-1.332 χ^2/NDF: 2955.7/27

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.893+/-1.189 χ^2/NDF: 6909.7/31

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

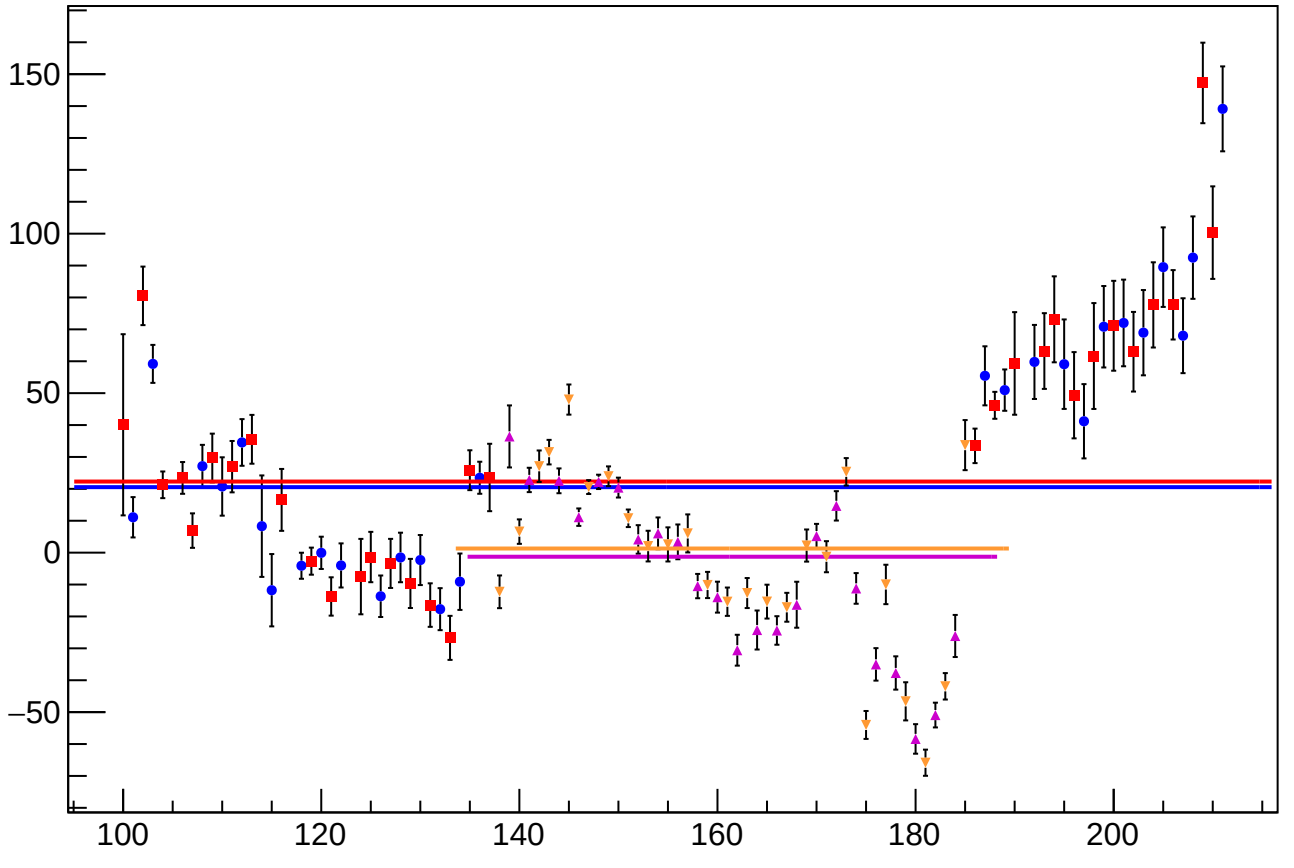
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -279.187+/-0.887 χ^2/NDF: 9870.1/59

In: -253.381+/-0.882 χ^2/NDF:5987.2/50

Out: -255.534+/-0.824 χ^2/NDF:11055.3/56

All: -254.530+/-0.602 χ^2/NDF: 17045.7/107



Right In: 20.532+/-1.462 χ^2/NDF: 471.5/27

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 22.289+/-1.319 χ^2/NDF: 520.8/31

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

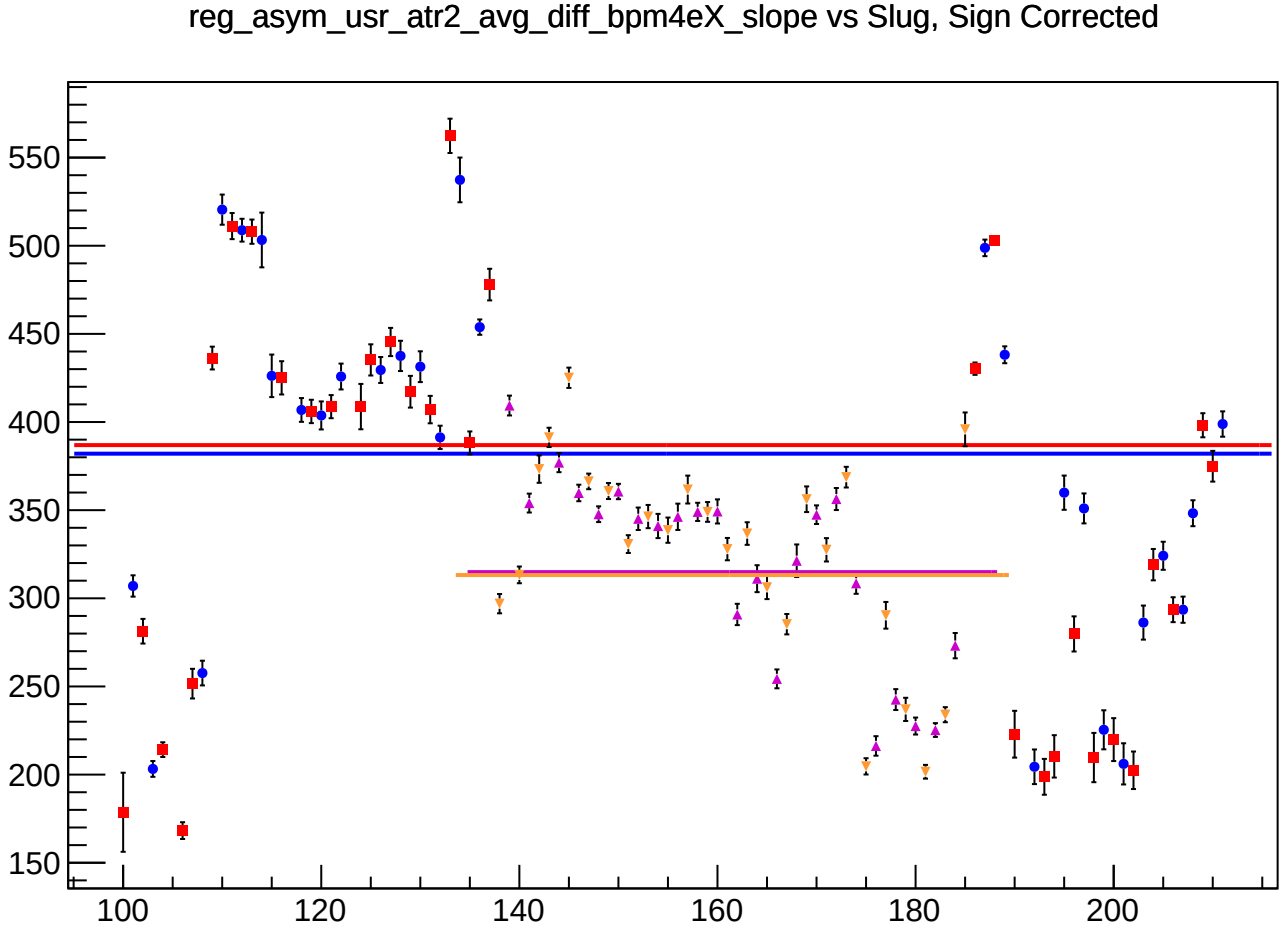
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 21.501+/-0.979 χ^2/NDF: 993.1/59

In: 4.412+/-0.747 χ^2/NDF:1447.2/50

Out: 7.321+/-0.707 χ^2/NDF:1750.8/56

All: 5.947+/-0.513 χ^2/NDF: 3206.1/107



Right In: 382.043+/-1.347 χ^2/NDF: 5226.6/27

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.908+/-1.166 χ^2/NDF: 9700.4/31

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

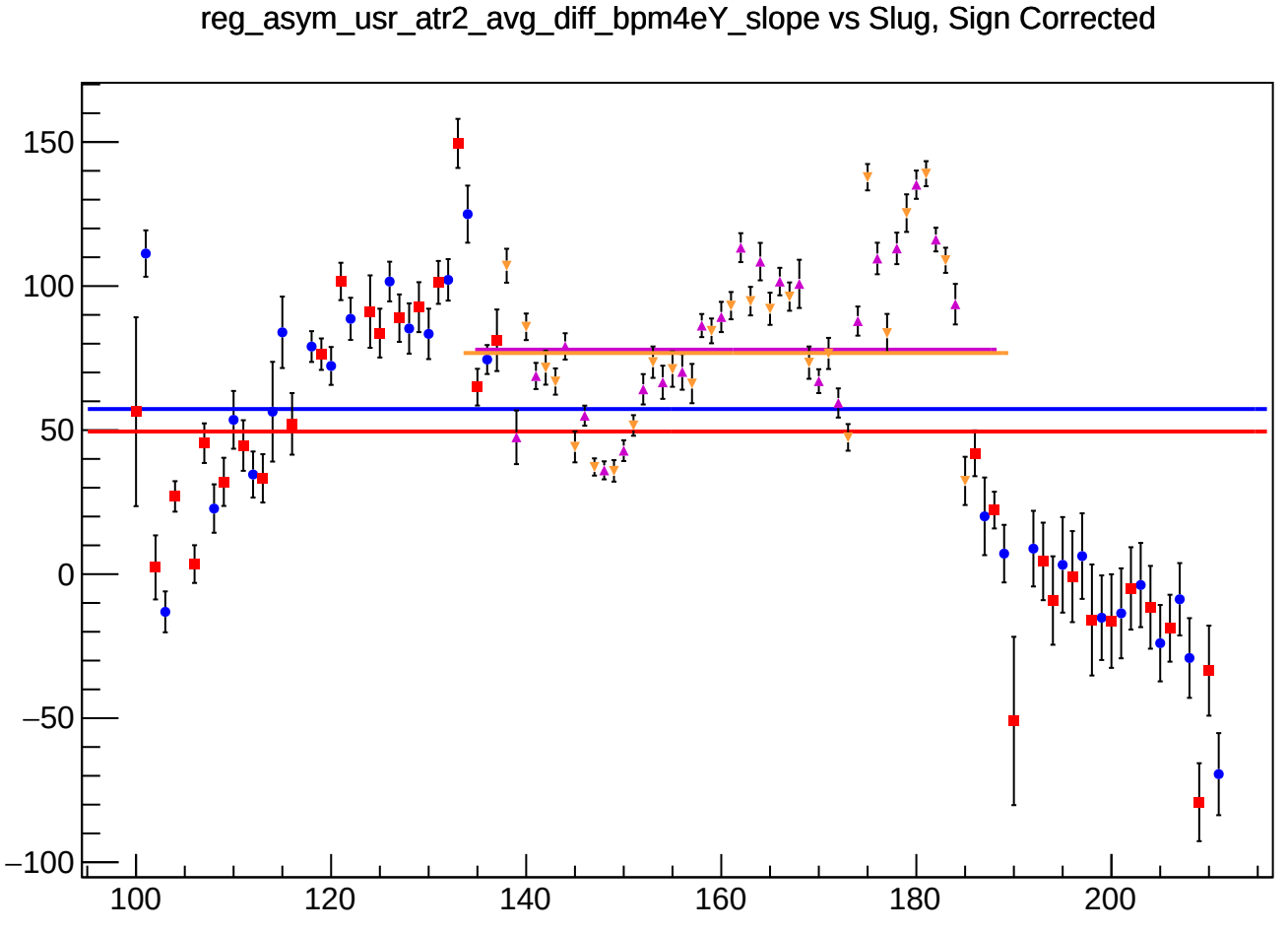
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.825+/-0.881 χ^2/NDF: 14934.4/59

In: 343.509+/-0.880 χ^2/NDF:9082.4/50

Out: 349.034+/-0.813 χ^2/NDF:14890.4/56

All: 346.489+/-0.597 χ^2/NDF: 23994.1/107



Right In: 57.311+/-1.707 χ^2/NDF: 685.3/27

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 49.509+/-1.583 χ^2/NDF: 739.7/31

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

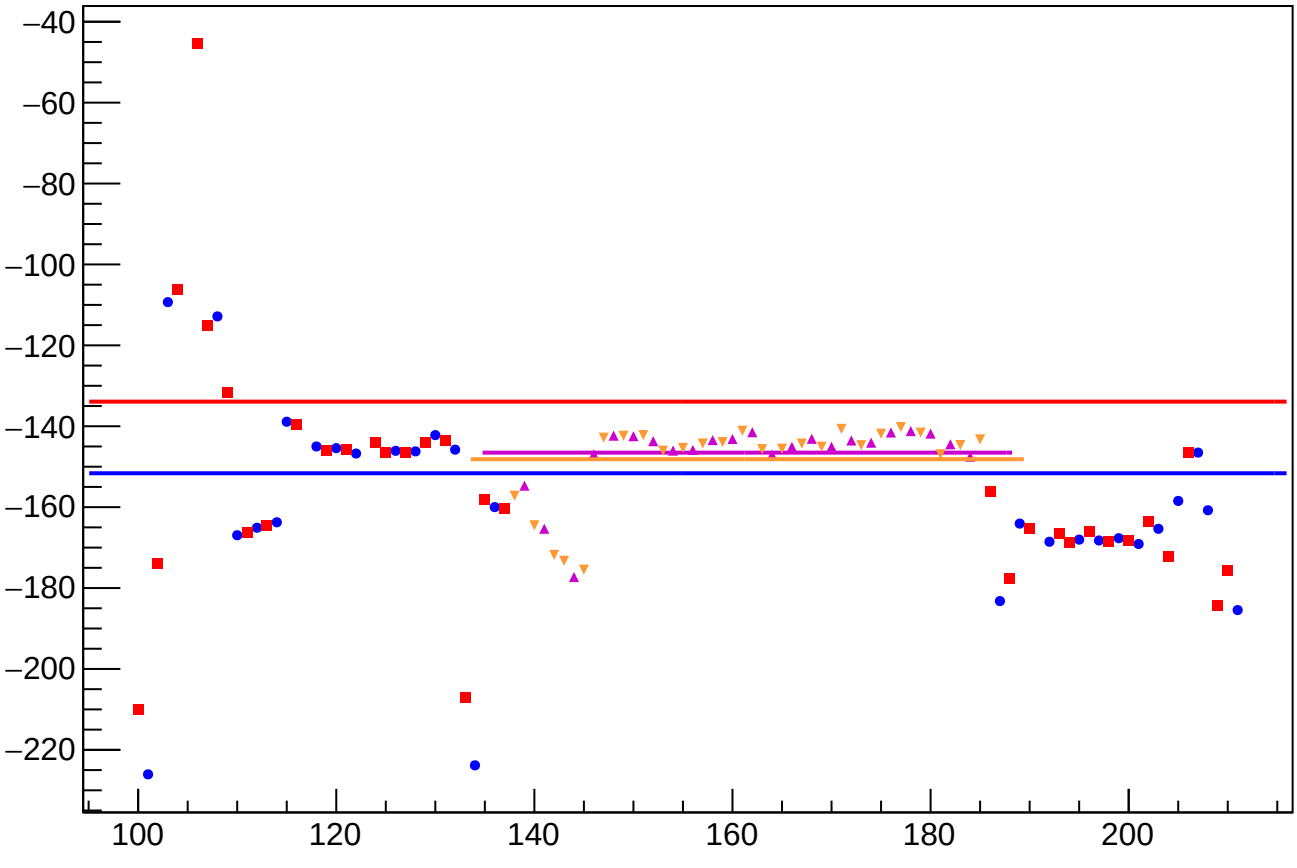
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 53.116+/-1.161 χ^2/NDF: 1436.3/59

In: 72.683+/-0.861 χ^2/NDF:1577.8/50

Out: 69.357+/-0.825 χ^2/NDF:1990.9/56

All: 70.949+/-0.596 χ^2/NDF: 3576.5/107



Right In: -151.622+/-0.082 χ^2/NDF: 149155.8/27

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -133.914+/-0.075 χ^2/NDF: 358327.3/31

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

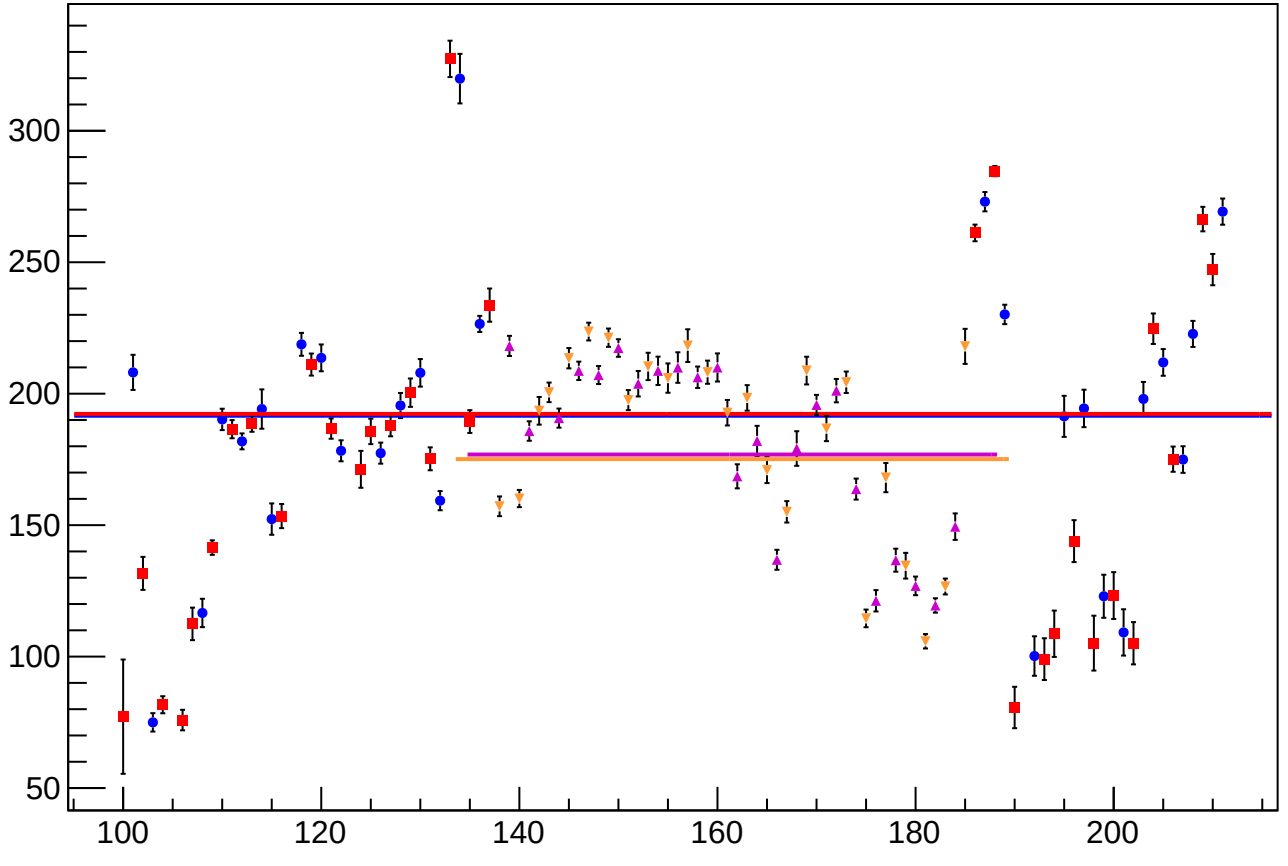
Right: -141.969+/-0.055 χ^2/NDF: 533051.7/59

In: -147.730+/-0.040 χ^2/NDF:181296.3/50

Out: -144.346+/-0.039 χ^2/NDF:433857.1/56

All: -145.987+/-0.028 χ^2/NDF: 618879.5/107

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 191.626+/-0.892 χ^2/NDF: 3064.4/27

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 192.314+/-0.788 χ^2/NDF: 7078.6/31

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

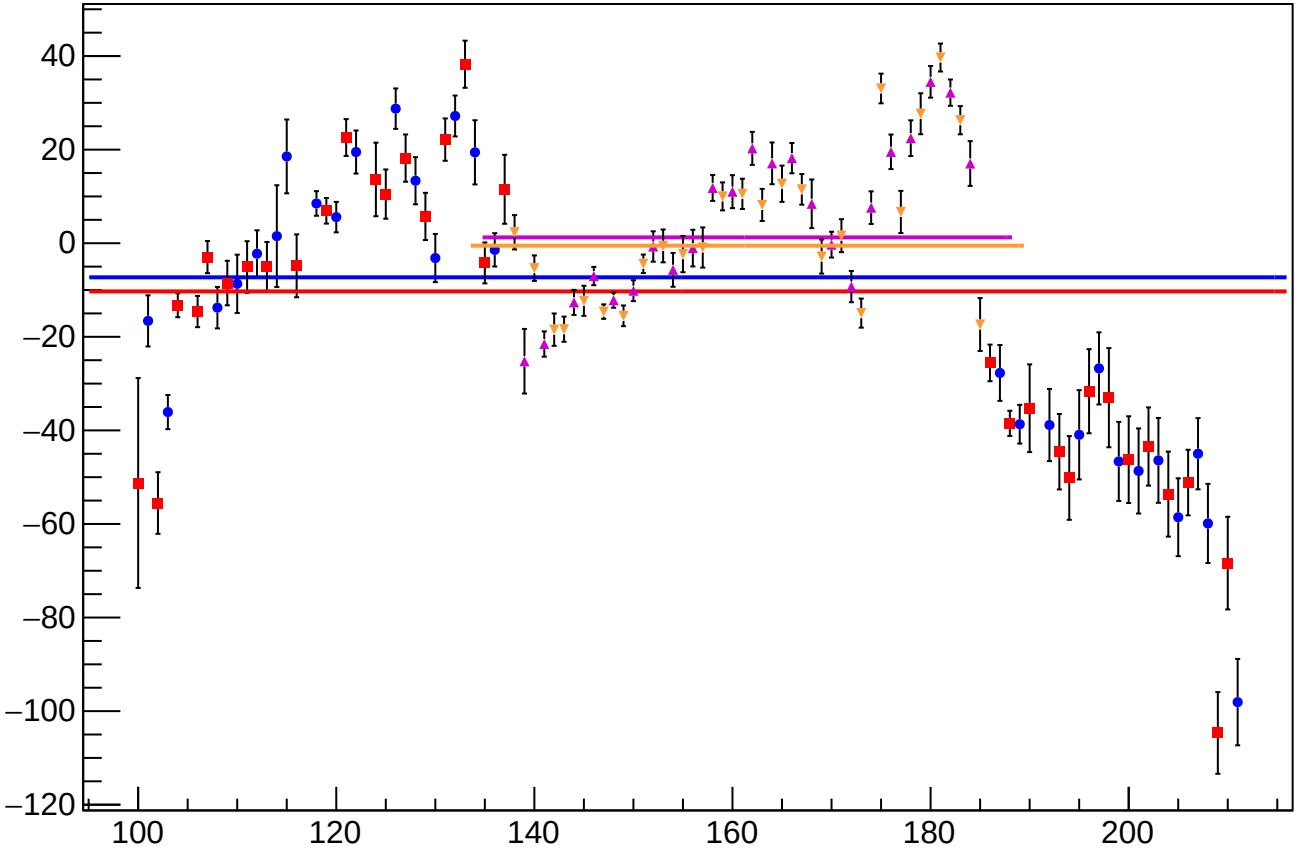
Right: 192.013+/-0.591 χ^2/NDF: 10143.4/59

In: 183.859+/-0.614 χ^2/NDF:4964.5/50

Out: 184.083+/-0.569 χ^2/NDF:9601.7/56

All: 183.979+/-0.417 χ^2/NDF: 14566.2/107

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.286+/-0.978 χ^2/NDF: 696.4/27

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -10.295+/-0.870 χ^2/NDF: 811.6/31

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

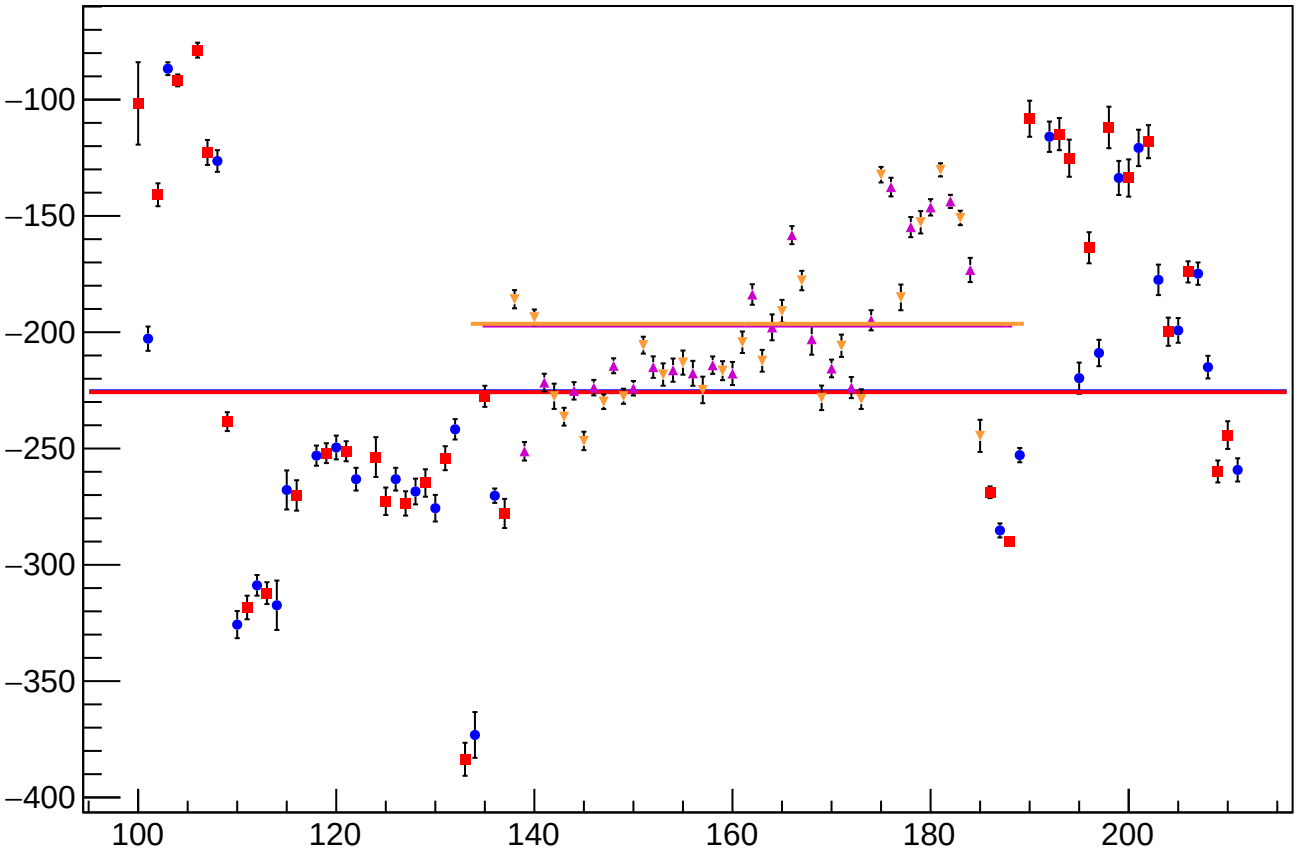
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -8.966+/-0.650 χ^2/NDF: 1513.3/59

In: -1.233+/-0.527 χ^2/NDF:1371.0/50

Out: -3.680+/-0.494 χ^2/NDF:1621.5/56

All: -2.535+/-0.360 χ^2/NDF: 3004.0/107



Right In: -225.389+/-0.900 χ^2/NDF: 5876.3/27

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -225.759+/-0.769 χ^2/NDF: 10617.0/31

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

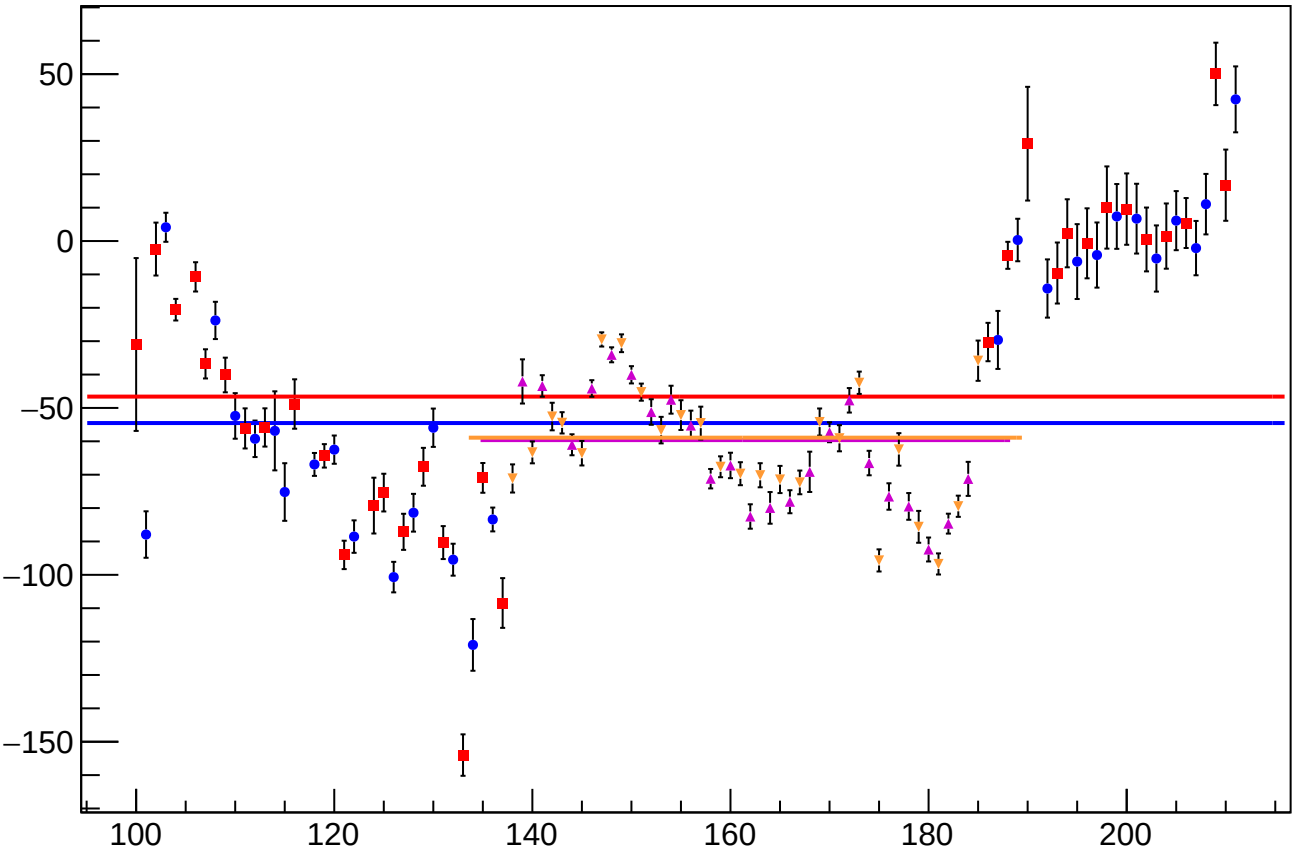
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -225.603+/-0.585 χ^2/NDF: 16493.4/59

In: -210.239+/-0.613 χ^2/NDF:8007.0/50

Out: -211.929+/-0.560 χ^2/NDF:13301.1/56

All: -211.160+/-0.413 χ^2/NDF: 21312.2/107



Right In: -54.528+/-1.146 χ^2/NDF: 1129.8/27

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -46.604+/-1.046 χ^2/NDF: 1395.6/31

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

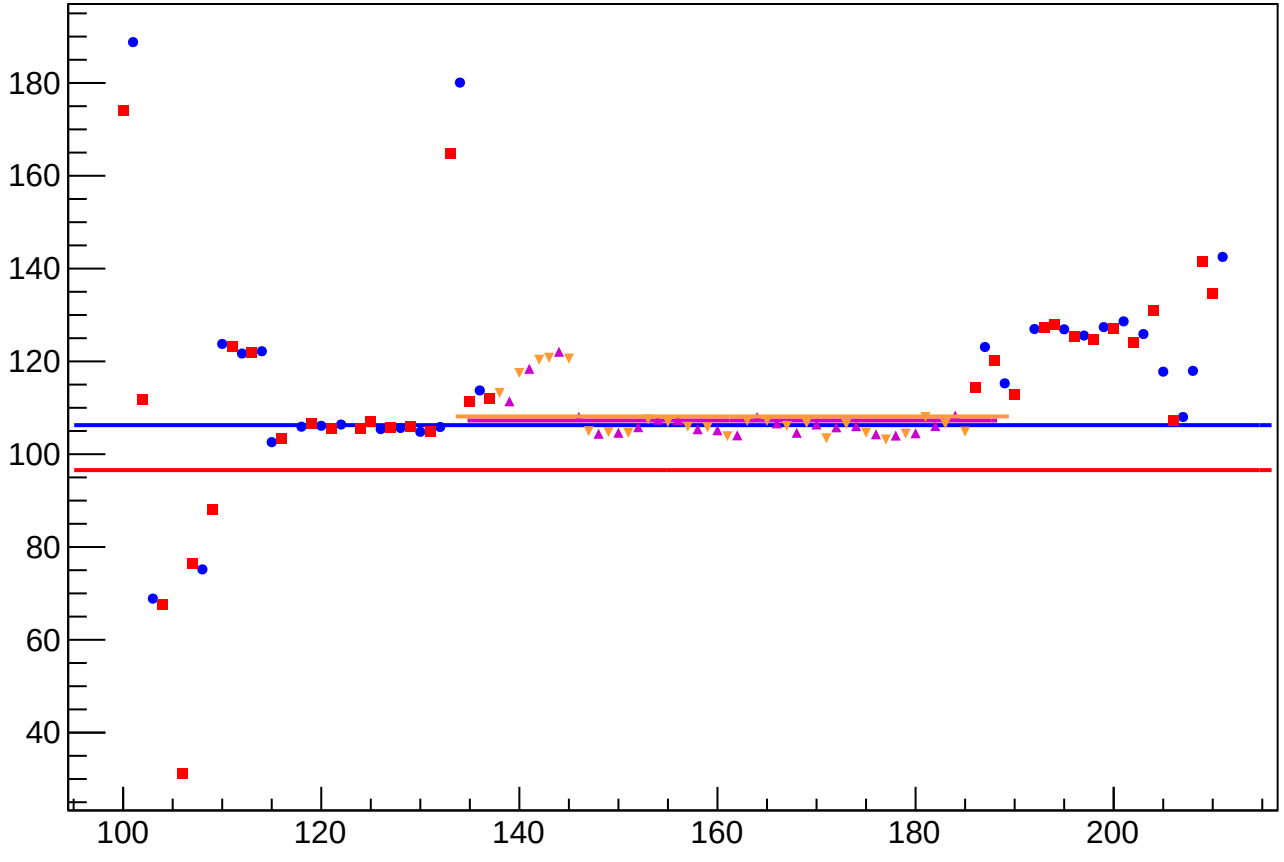
Right: -50.207+/-0.773 χ^2/NDF: 2551.5/59

In: -58.195+/-0.609 χ^2/NDF:1741.1/50

Out: -55.143+/-0.579 χ^2/NDF:2274.1/56

All: -56.593+/-0.419 χ^2/NDF: 4028.4/107

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 106.262+/-0.055 χ^2/NDF: 279702.4/27

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 96.572+/-0.050 χ^2/NDF: 404197.4/31

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

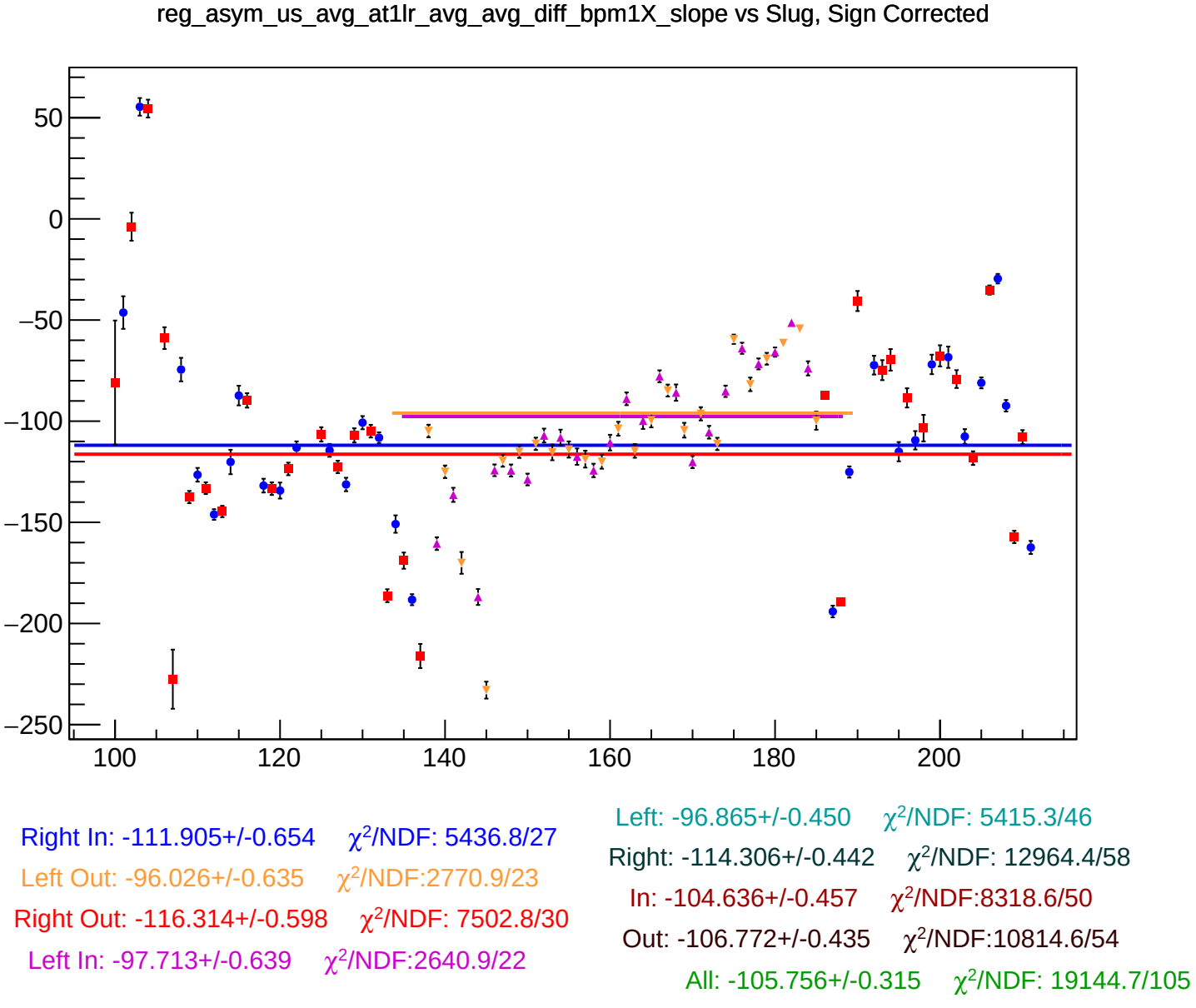
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 101.029+/-0.037 χ^2/NDF: 700916.5/59

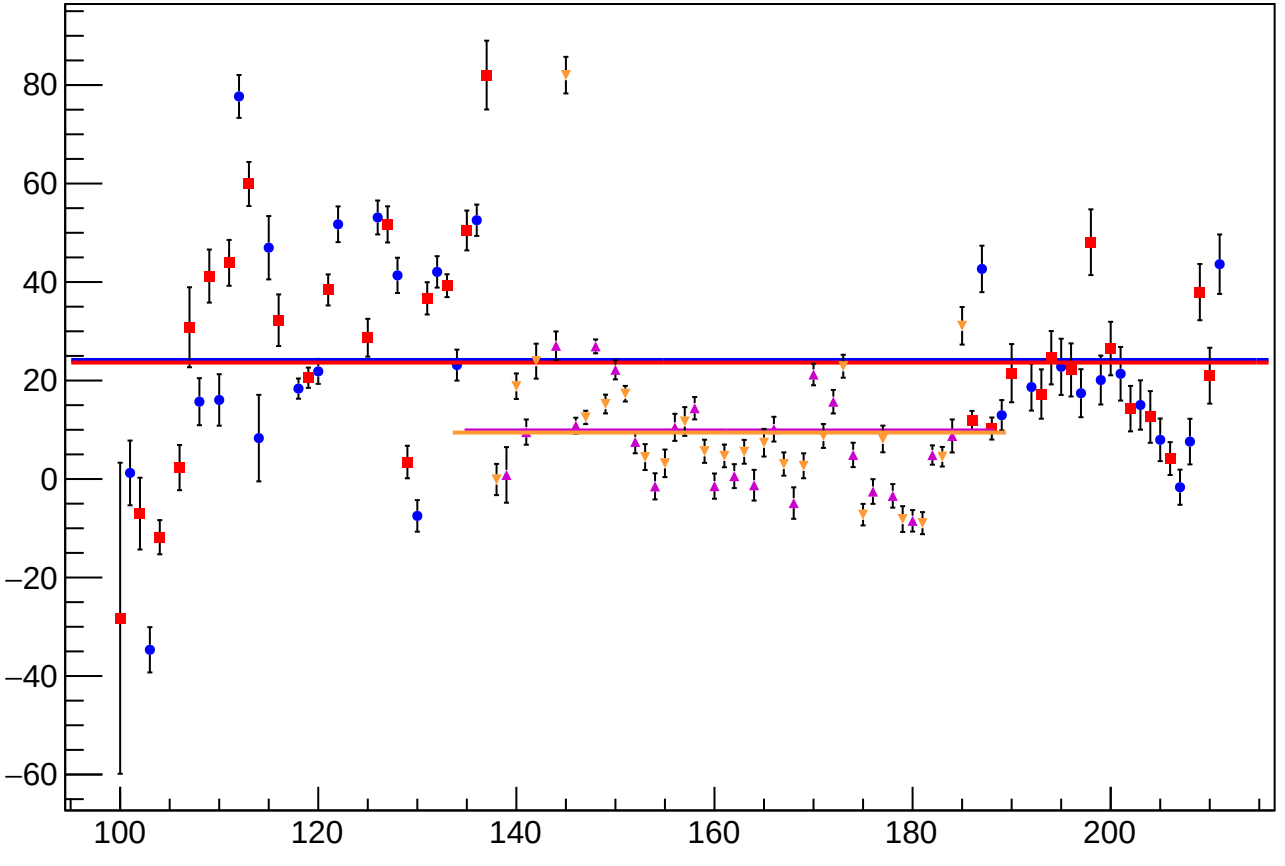
In: 106.999+/-0.028 χ^2/NDF:296830.2/50

Out: 104.745+/-0.027 χ^2/NDF:467850.6/56

All: 105.837+/-0.020 χ^2/NDF: 767989.4/107


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: -111.905+/-0.654 χ²/NDF: 5436.8/27
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -116.314+/-0.598 χ²/NDF: 7502.8/30
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -114.306+/-0.442 χ²/NDF: 12964.4/58
In: -104.636+/-0.457 χ²/NDF:8318.6/50
Out: -106.772+/-0.435 χ²/NDF:10814.6/54
All: -105.756+/-0.315 χ²/NDF: 19144.7/105

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.176+/-0.734 χ^2/NDF: 842.9/27

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.651+/-0.685 χ^2/NDF: 675.9/30

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

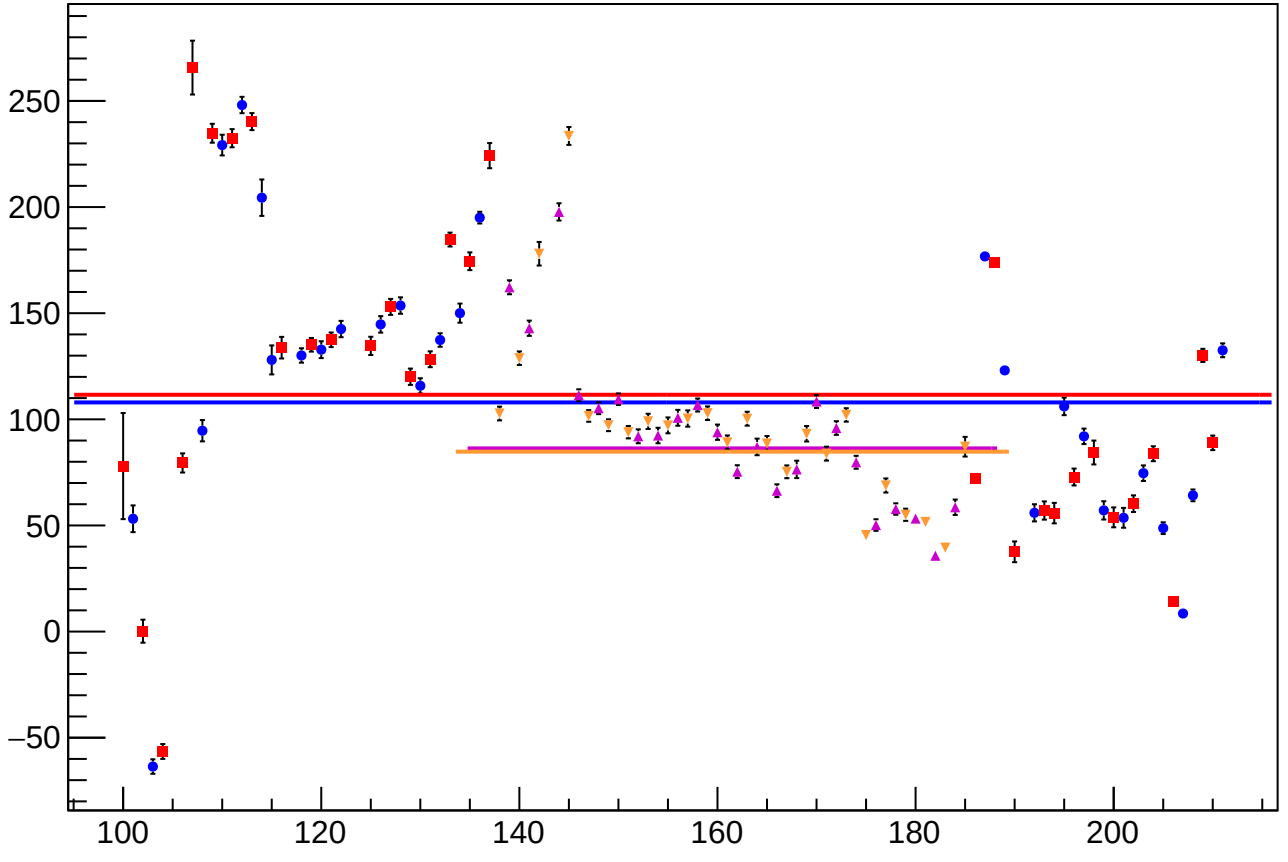
Right: 23.895+/-0.501 χ^2/NDF: 1519.0/58

In: 14.232+/-0.406 χ^2/NDF:1592.3/50

Out: 14.094+/-0.392 χ^2/NDF:1701.9/54

All: 14.161+/-0.282 χ^2/NDF: 3294.2/105

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 107.963+/-0.662 χ^2/NDF: 10369.0/27

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 111.569+/-0.579 χ^2/NDF: 13179.2/30

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

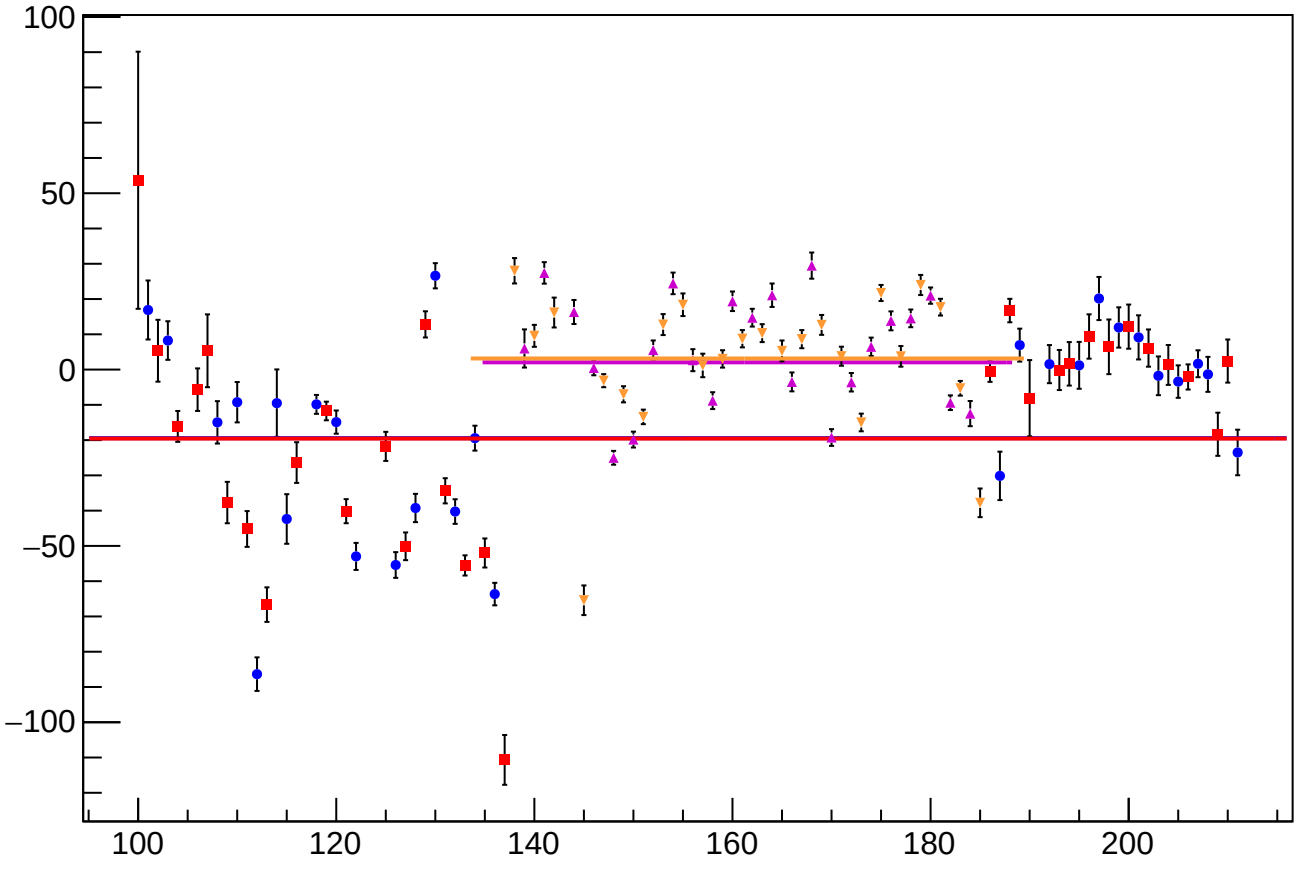
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 110.008+/-0.436 χ^2/NDF: 23565.0/58

In: 96.621+/-0.457 χ^2/NDF:14081.9/50

Out: 99.284+/-0.426 χ^2/NDF:17273.5/54

All: 98.047+/-0.312 χ^2/NDF: 31373.5/105



Right In: -19.449+/-0.852 χ^2/NDF: 1082.9/27

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -19.558+/-0.821 χ^2/NDF: 1055.5/30

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

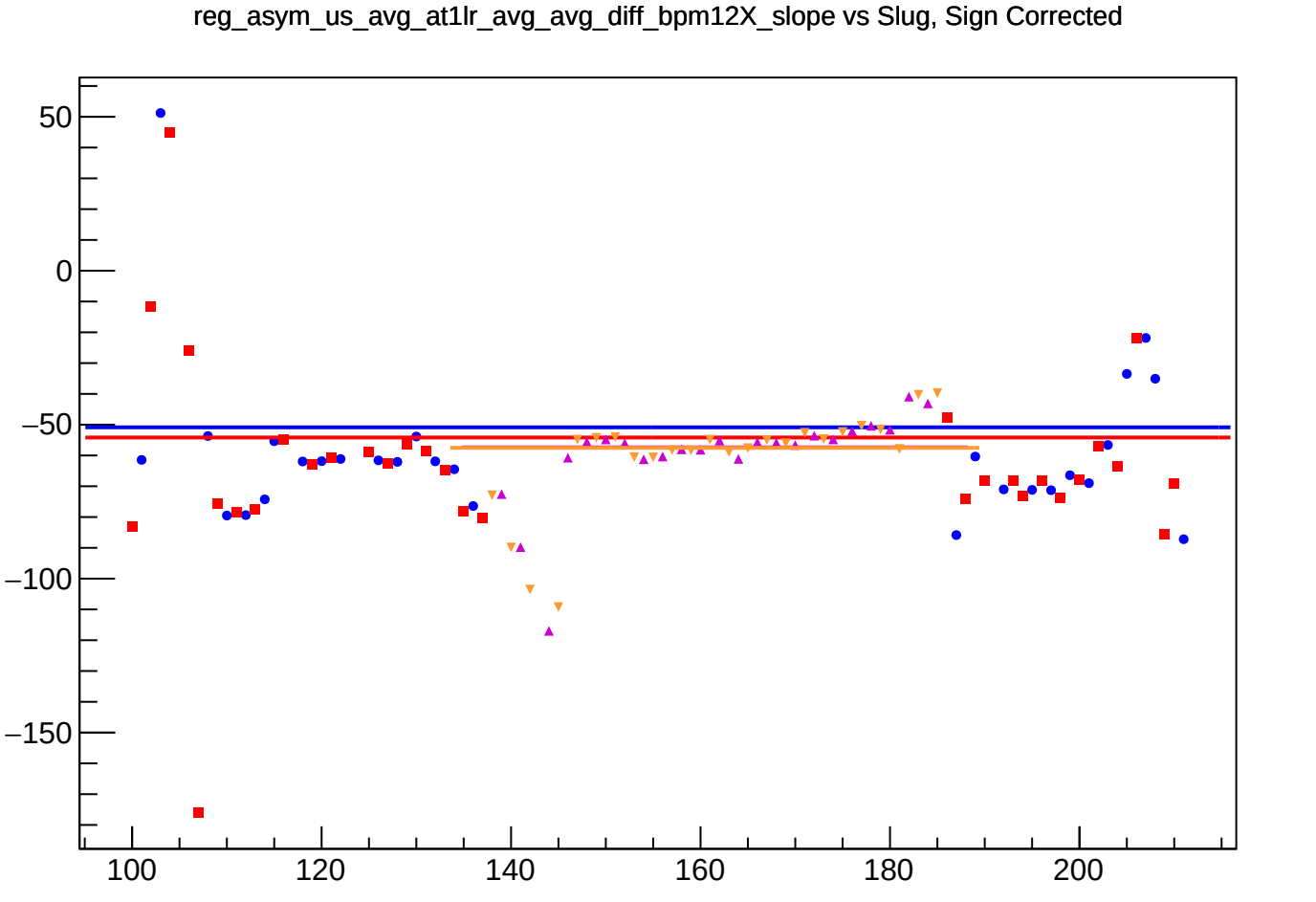
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -19.505+/-0.591 χ^2/NDF: 2138.4/58

In: -4.290+/-0.463 χ^2/NDF:2382.7/50

Out: -3.770+/-0.453 χ^2/NDF:2400.9/54

All: -4.025+/-0.324 χ^2/NDF: 4784.3/105



Right In: -50.862+/-0.041 χ^2/NDF: 718283.5/27

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.164+/-0.041 χ^2/NDF: 635105.9/30

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

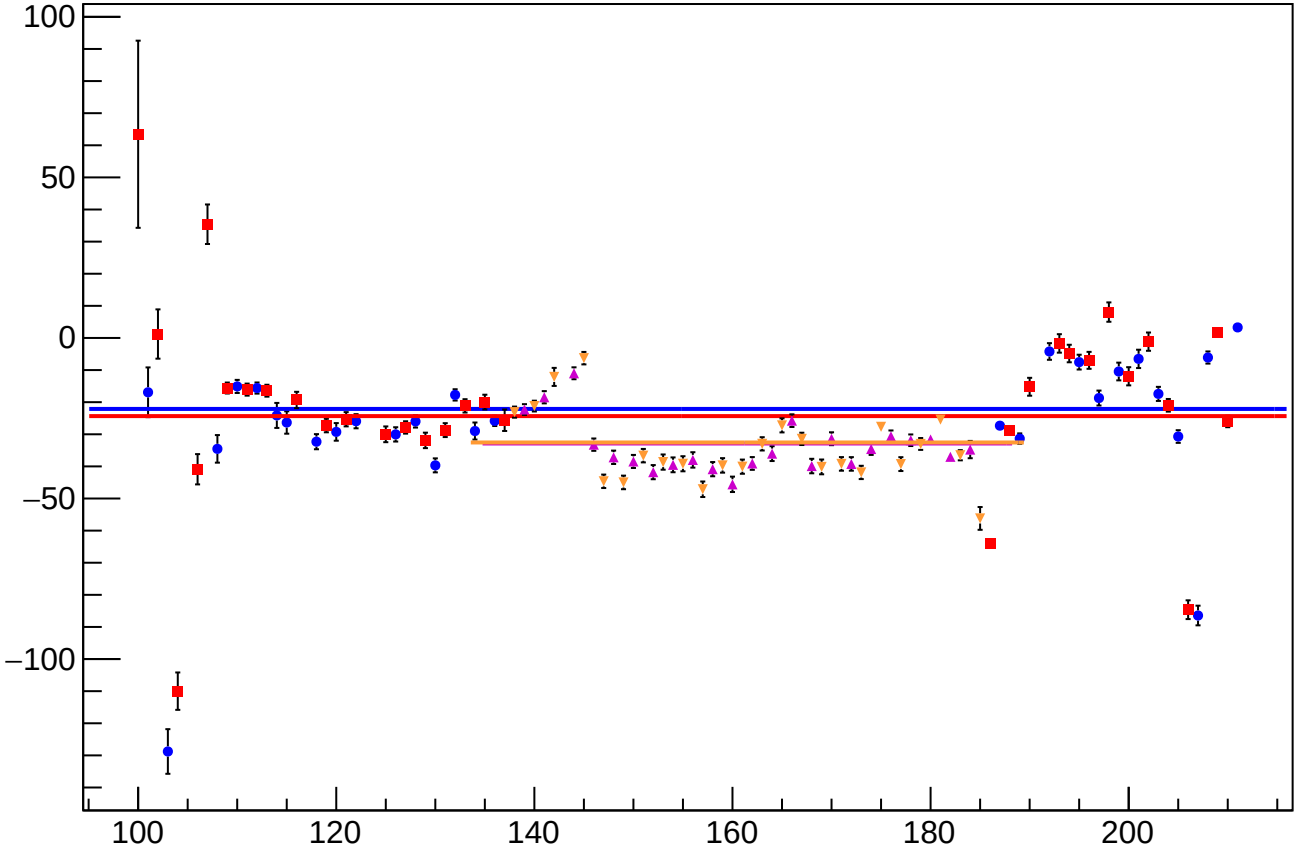
Right: -52.522+/-0.029 χ^2/NDF: 1356653.0/58

In: -55.635+/-0.021 χ^2/NDF:963934.5/50

Out: -56.624+/-0.021 χ^2/NDF:907123.1/54

All: -56.130+/-0.015 χ^2/NDF: 1872147.6/105

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.102+/-0.416 χ^2/NDF: 1389.8/27

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -24.338+/-0.381 χ^2/NDF: 2366.5/30

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

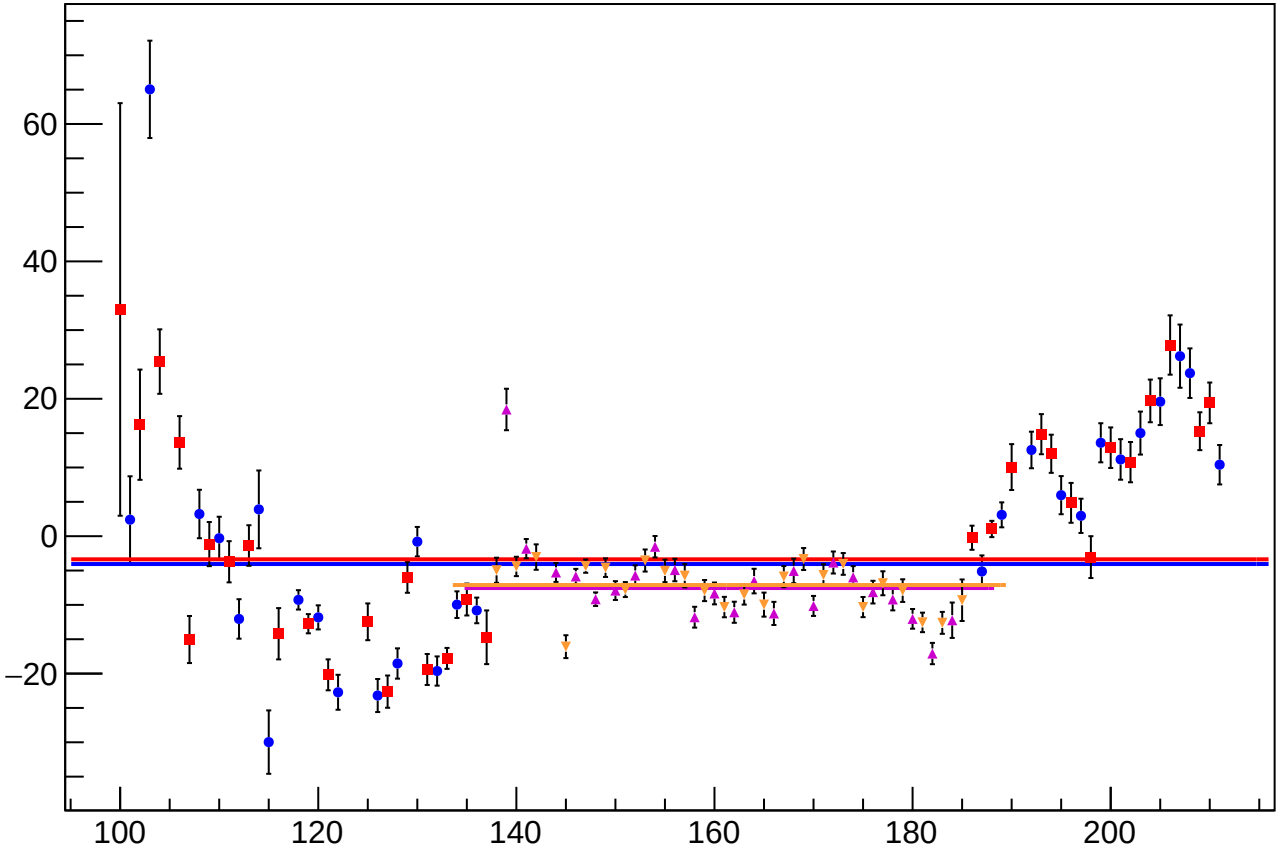
Right: -23.317+/-0.281 χ^2/NDF: 3772.0/58

In: -27.542+/-0.292 χ^2/NDF:2101.8/50

Out: -28.179+/-0.278 χ^2/NDF:3187.1/54

All: -27.877+/-0.202 χ^2/NDF: 5291.4/105

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.054+/-0.478 χ^2/NDF: 768.8/27

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -3.367+/-0.450 χ^2/NDF: 798.2/30

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

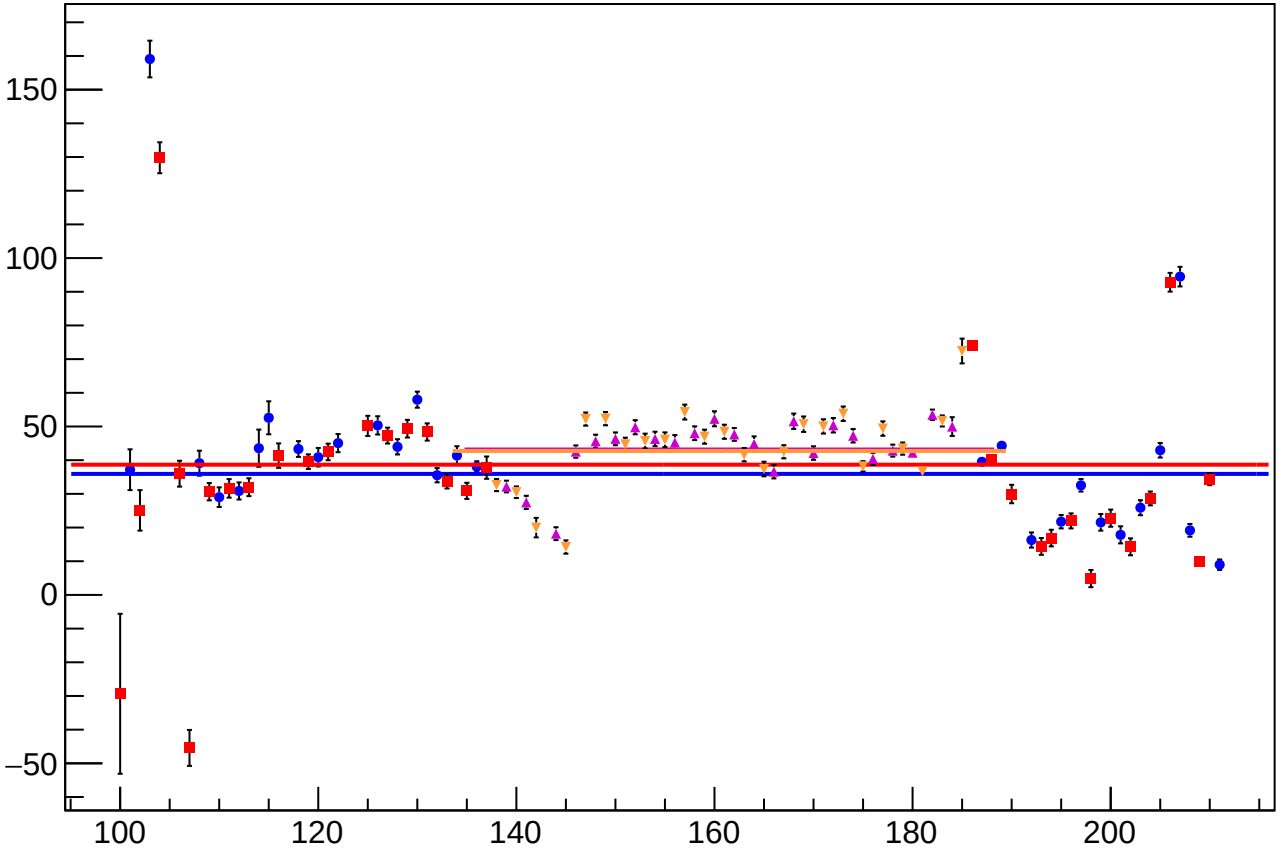
Right: -3.689+/-0.328 χ^2/NDF: 1568.1/58

In: -6.490+/-0.263 χ^2/NDF:1005.7/50

Out: -5.908+/-0.255 χ^2/NDF:954.8/54

All: -6.189+/-0.183 χ^2/NDF: 1963.0/105

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 35.926+/-0.418 χ^2/NDF: 1769.5/27

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.664+/-0.369 χ^2/NDF: 3071.9/30

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

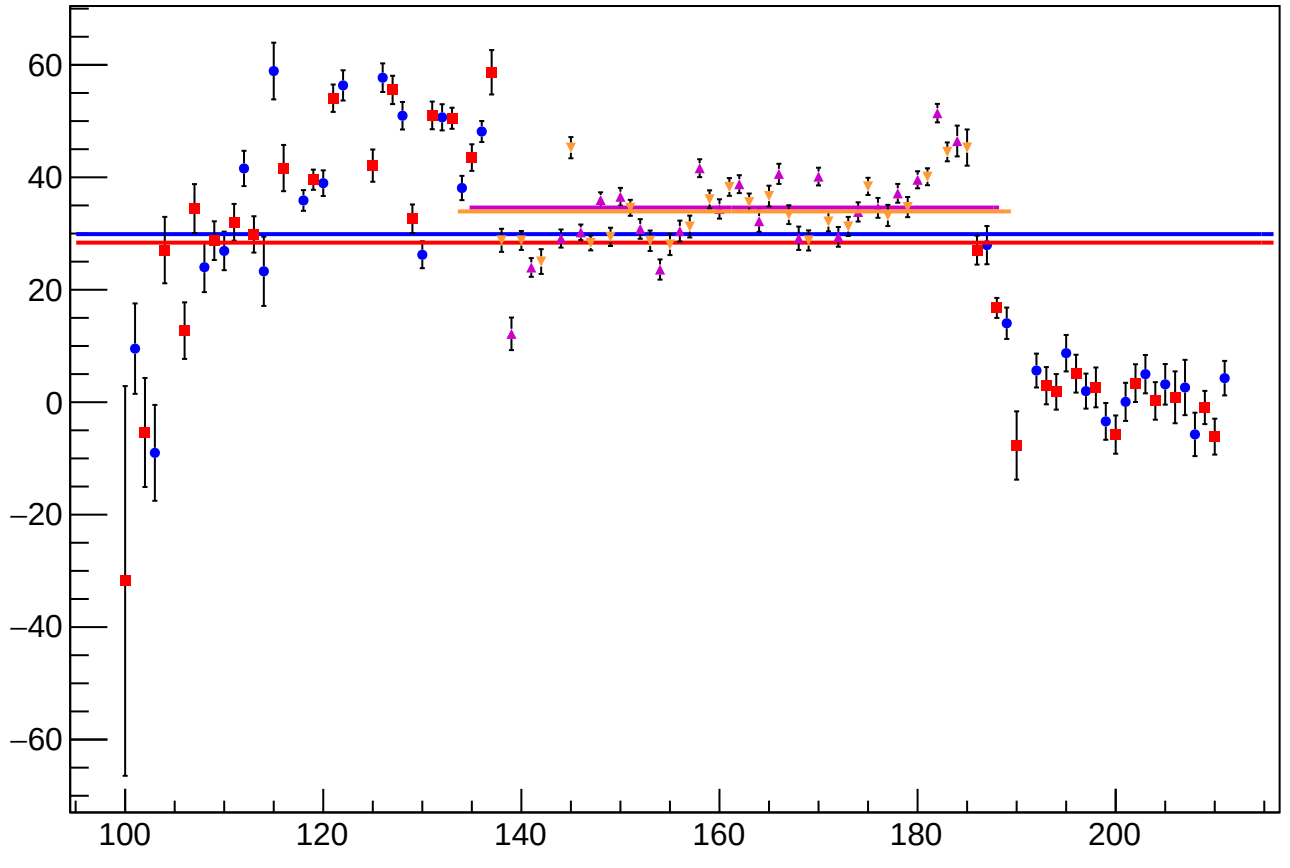
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 37.462+/-0.277 χ^2/NDF: 4865.5/58

In: 39.641+/-0.292 χ^2/NDF:2336.7/50

Out: 40.526+/-0.272 χ^2/NDF:3759.1/54

All: 40.113+/-0.199 χ^2/NDF: 6100.7/105



Right In: 29.896+/-0.557 χ^2/NDF: 1281.7/27

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 28.381+/-0.539 χ^2/NDF: 1441.3/30

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

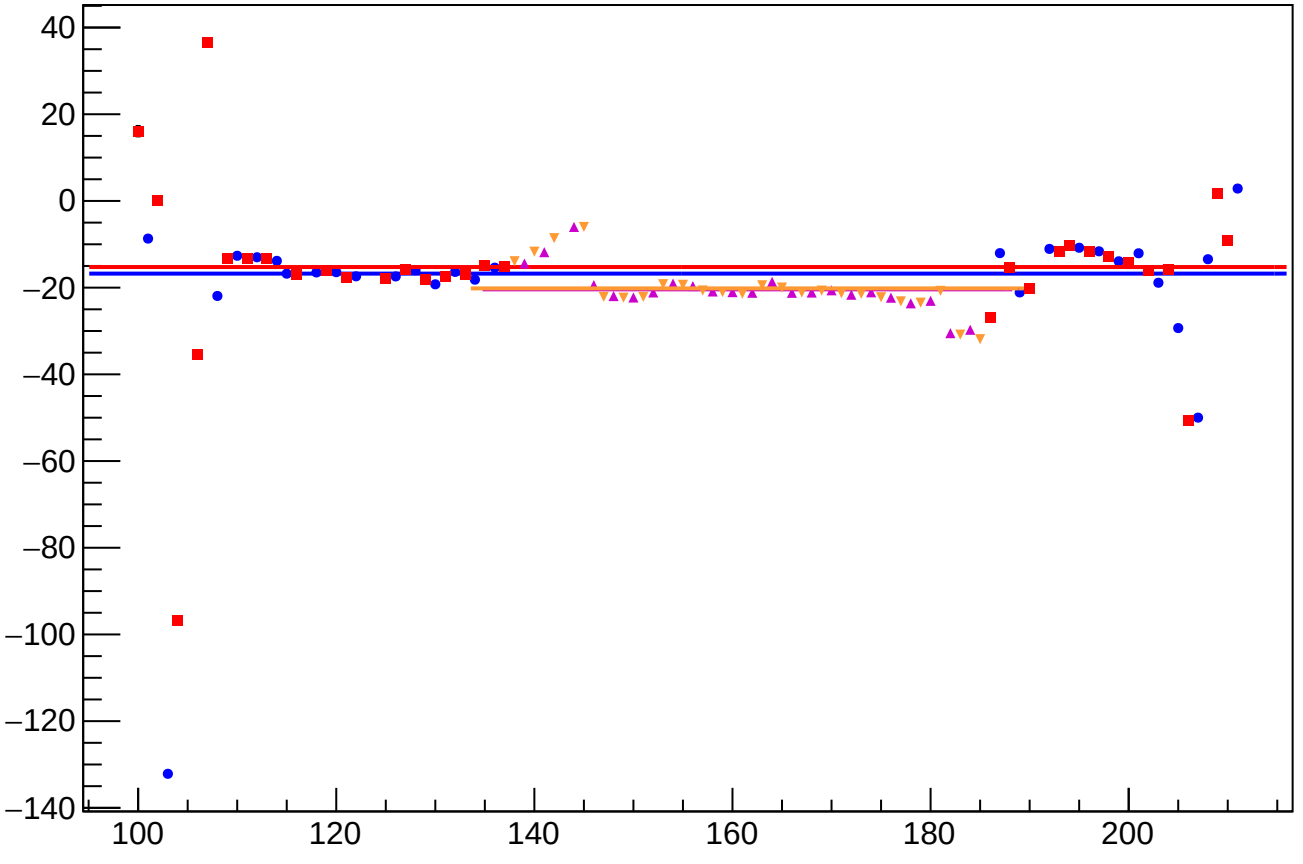
Right: 29.112+/-0.387 χ^2/NDF: 2726.8/58

In: 33.252+/-0.300 χ^2/NDF:1708.8/50

Out: 32.277+/-0.294 χ^2/NDF:1732.4/54

All: 32.754+/-0.210 χ^2/NDF: 3446.6/105

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.765+/-0.027 χ^2/NDF: 323822.9/27

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.248+/-0.026 χ^2/NDF: 274500.8/30

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

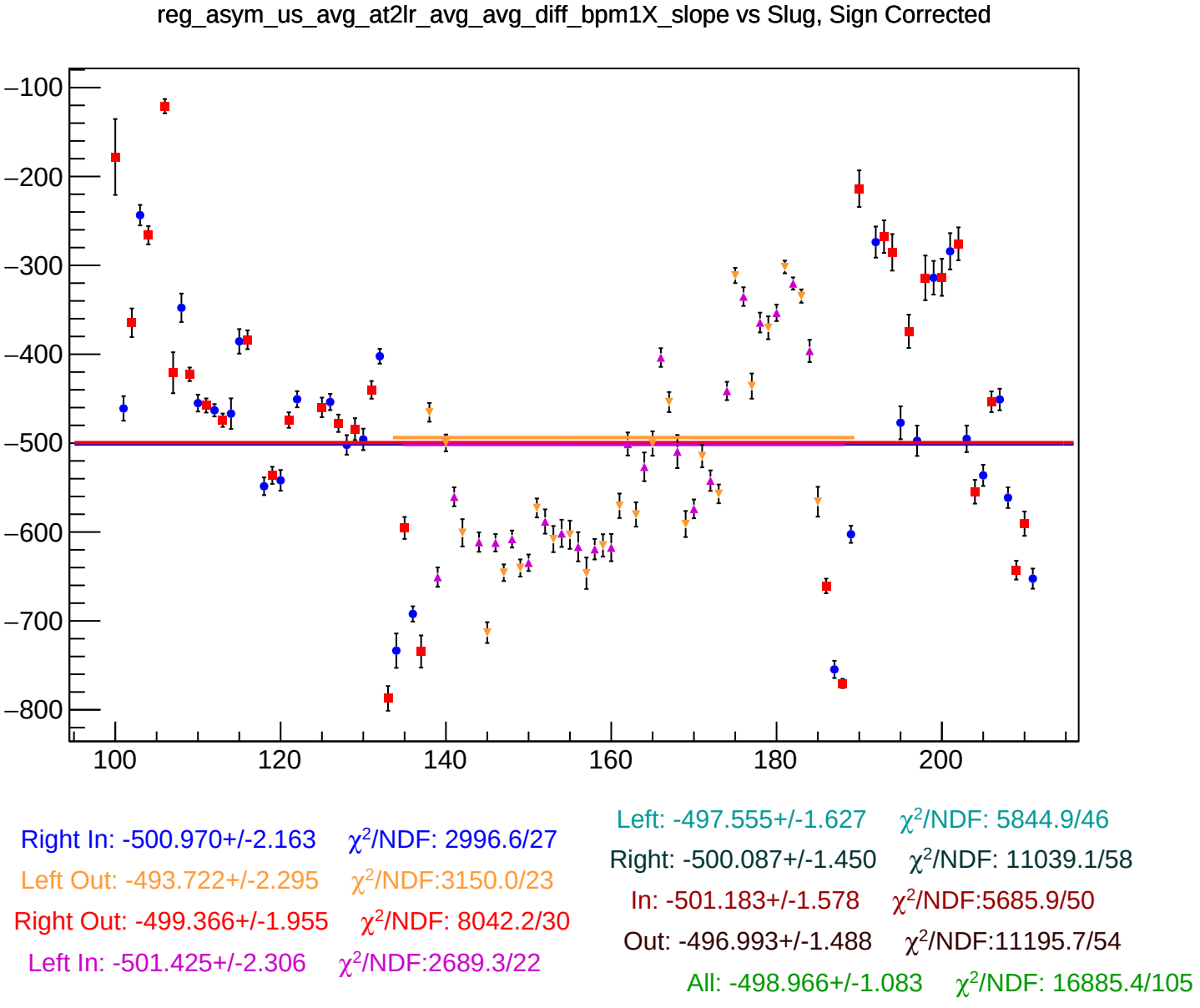
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.985+/-0.019 χ^2/NDF: 599960.7/58

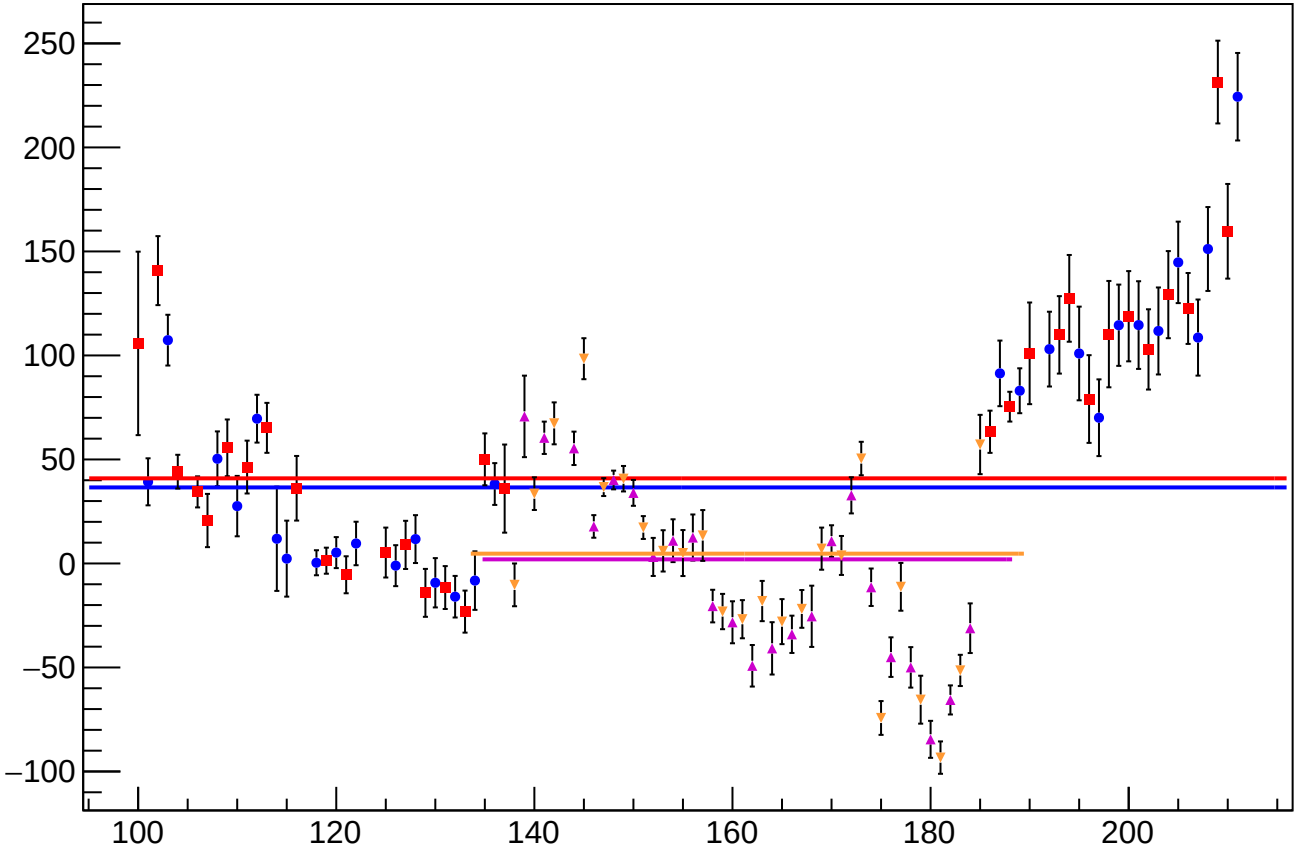
In: -19.465+/-0.014 χ^2/NDF:418546.9/50

Out: -18.859+/-0.014 χ^2/NDF:400486.9/54

All: -19.160+/-0.010 χ^2/NDF: 820034.3/105


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
Right In: -500.970+/-2.163 χ²/NDF: 2996.6/27
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -499.366+/-1.955 χ²/NDF: 8042.2/30
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -500.087+/-1.450 χ²/NDF: 11039.1/58
In: -501.183+/-1.578 χ²/NDF:5685.9/50
Out: -496.993+/-1.488 χ²/NDF:11195.7/54
All: -498.966+/-1.083 χ²/NDF: 16885.4/105

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 36.552+/-2.357 χ^2/NDF: 436.9/27

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 40.917+/-2.188 χ^2/NDF: 479.2/30

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

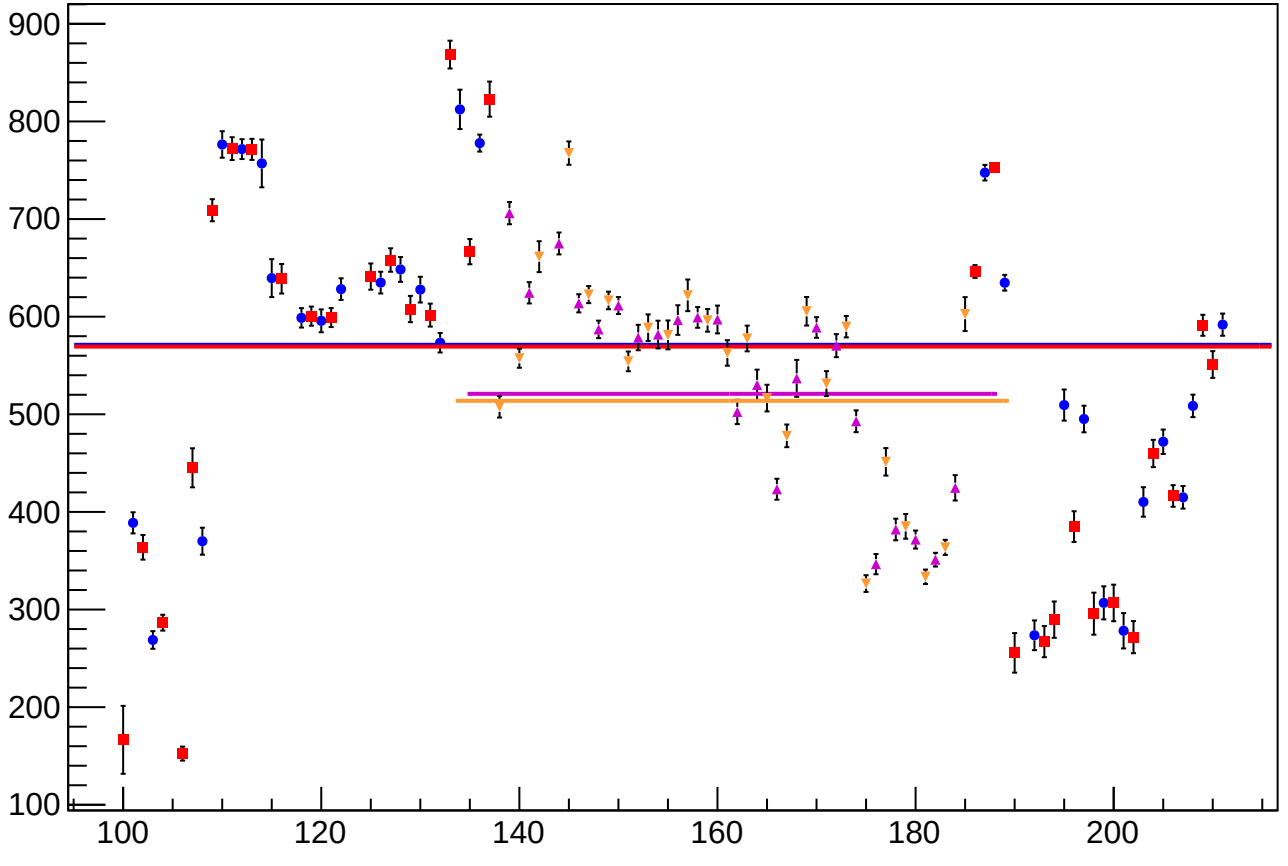
Right: 38.896+/-1.604 χ^2/NDF: 917.9/58

In: 14.005+/-1.390 χ^2/NDF:1138.0/50

Out: 18.294+/-1.340 χ^2/NDF:1330.5/54

All: 16.228+/-0.965 χ^2/NDF: 2473.5/105

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 571.185+/-2.229 χ^2/NDF: 5004.2/27

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 569.354+/-1.948 χ^2/NDF: 10672.8/30

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

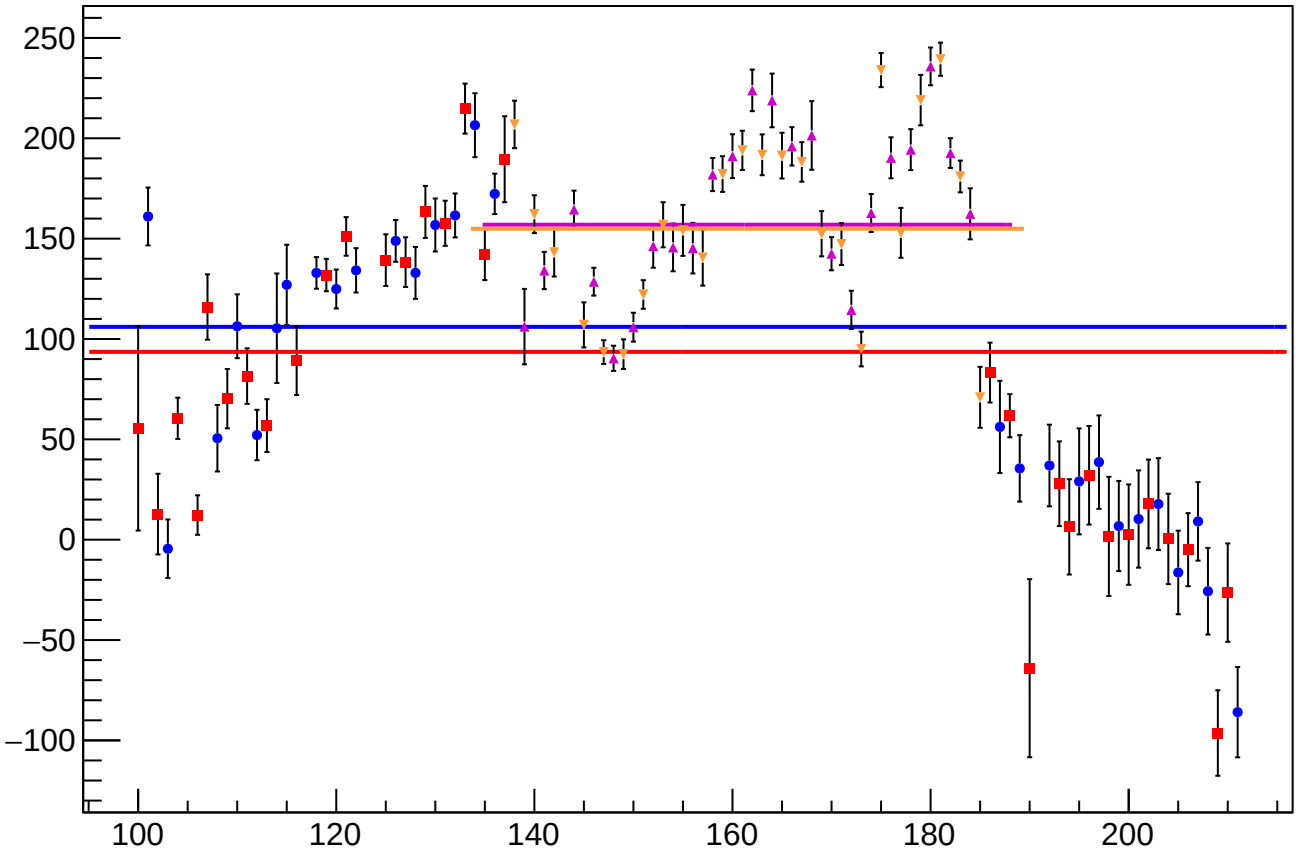
Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

Right: 570.147+/-1.467 χ^2/NDF: 15677.4/58

In: 546.694+/-1.595 χ^2/NDF:7694.5/50

Out: 545.883+/-1.480 χ^2/NDF:13751.6/54

All: 546.258+/-1.085 χ^2/NDF: 21446.2/105



Right In: 106.051+/-2.760 χ^2/NDF: 540.1/27

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 93.590+/-2.618 χ^2/NDF: 618.9/30

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

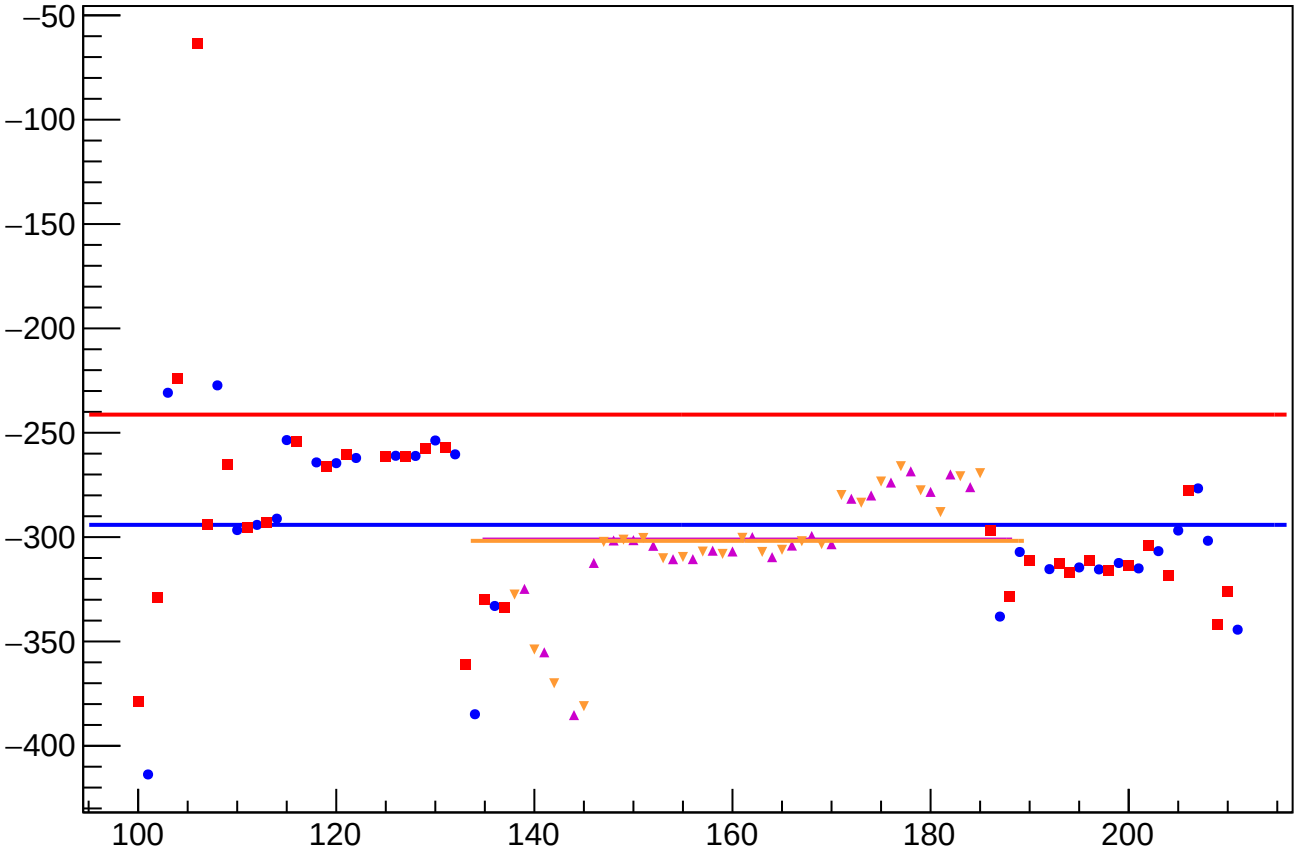
Right: 99.492+/-1.900 χ^2/NDF: 1169.7/58

In: 139.749+/-1.604 χ^2/NDF:1208.3/50

Out: 133.010+/-1.565 χ^2/NDF:1580.6/54

All: 136.297+/-1.120 χ^2/NDF: 2798.0/105

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -294.126+/-0.141 χ^2/NDF: 115944.1/27

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -241.309+/-0.123 χ^2/NDF: 699439.2/30

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

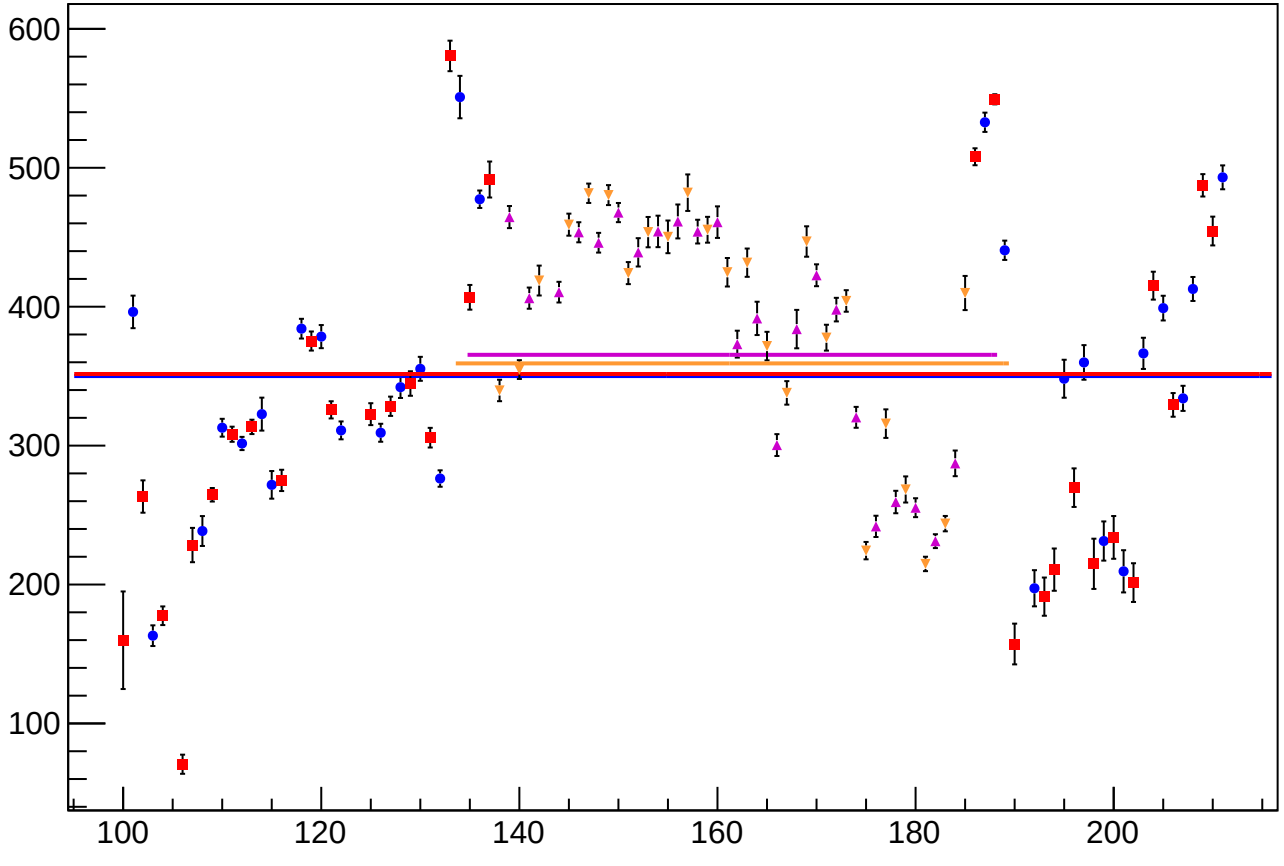
Right: -264.172+/-0.092 χ^2/NDF: 895487.8/58

In: -299.125+/-0.076 χ^2/NDF:193053.4/50

Out: -280.407+/-0.073 χ^2/NDF:943006.8/54

All: -289.414+/-0.053 χ^2/NDF: 1167694.9/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 350.072+/-1.546 χ^2/NDF: 3332.2/27

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 351.555+/-1.394 χ^2/NDF: 8431.5/30

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

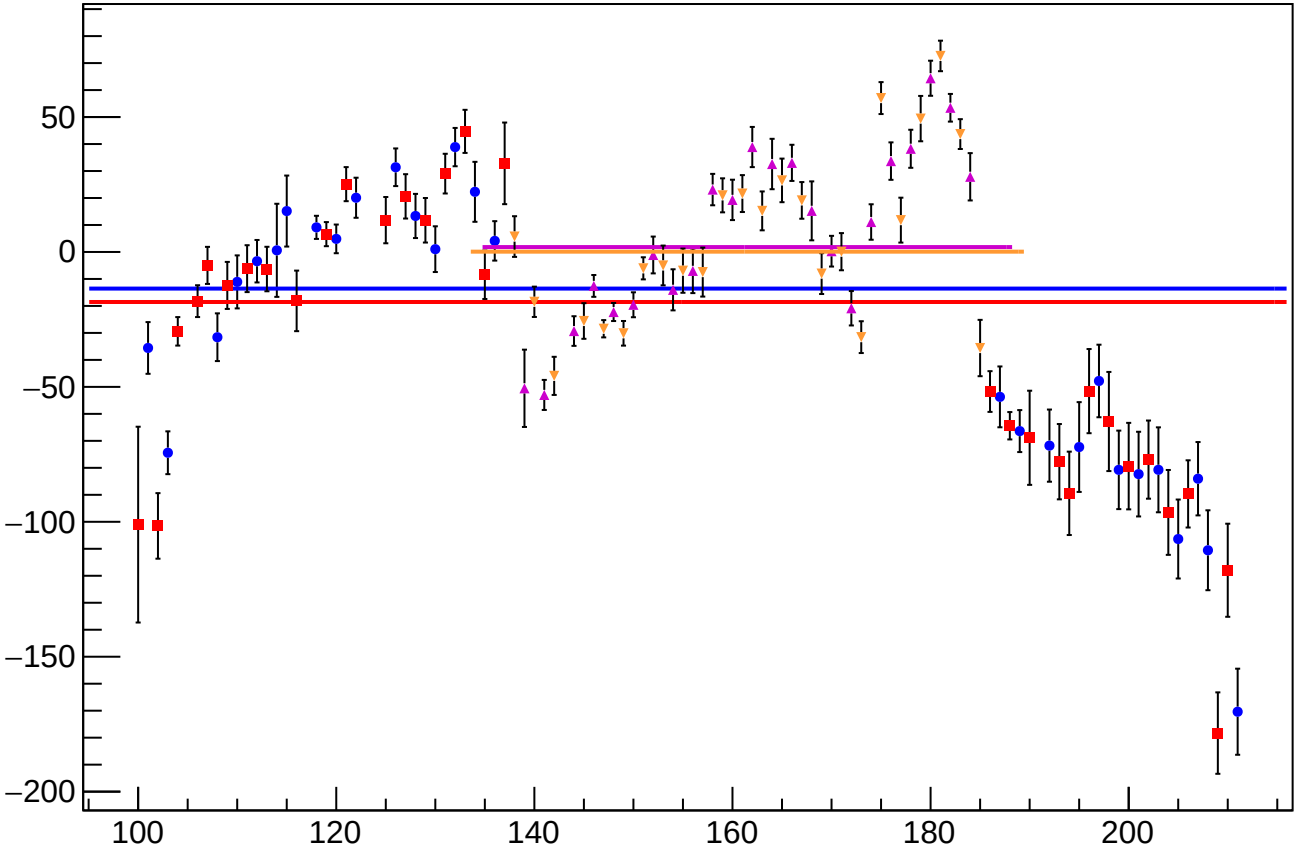
Right: 350.890+/-1.035 χ^2/NDF: 11764.2/58

In: 357.027+/-1.141 χ^2/NDF:6116.2/50

Out: 354.665+/-1.073 χ^2/NDF:11631.6/54

All: 355.773+/-0.782 χ^2/NDF: 17750.1/105

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -13.570+/-1.691 χ^2/NDF: 624.2/27

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -18.538+/-1.553 χ^2/NDF: 702.1/30

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

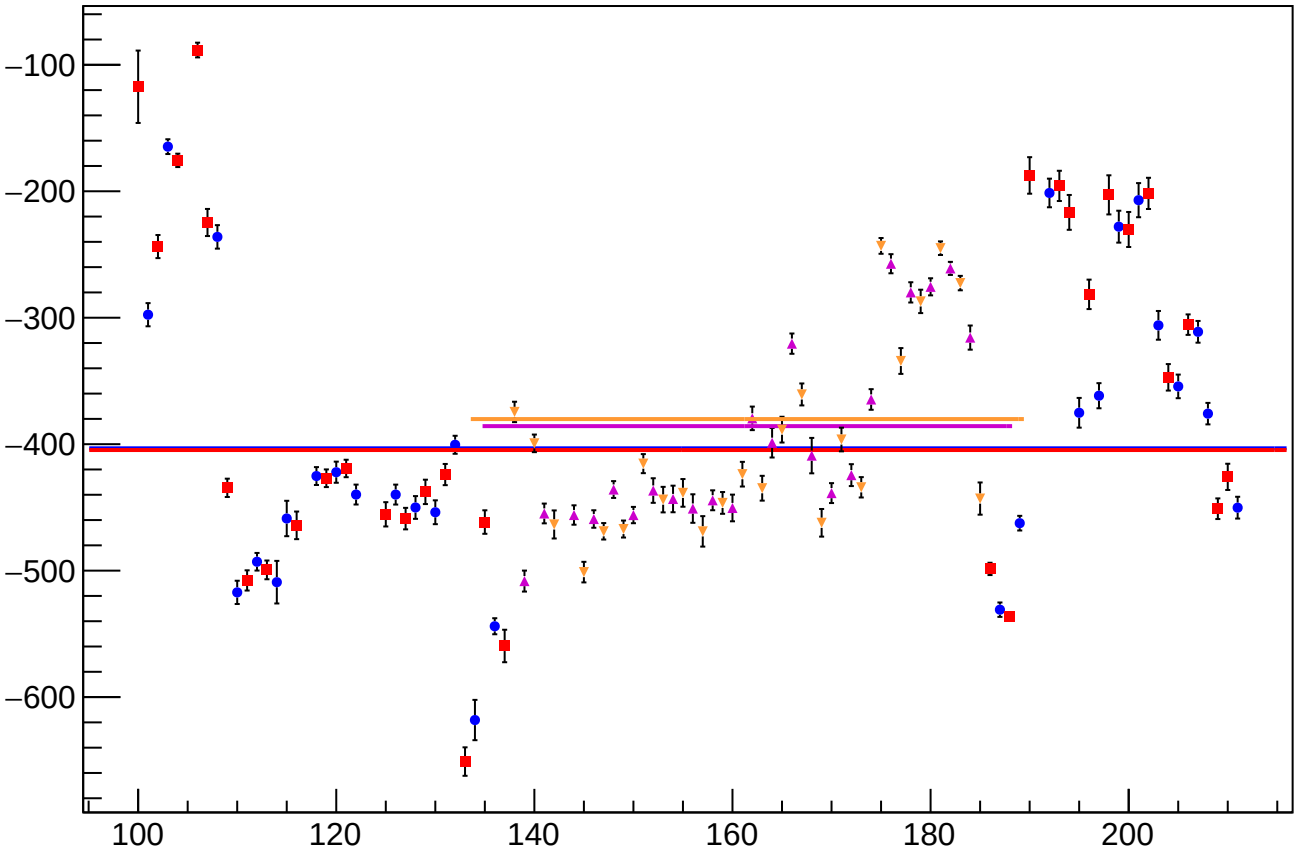
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -16.265+/-1.144 χ^2/NDF: 1331.0/58

In: -3.719+/-1.014 χ^2/NDF:1254.2/50

Out: -7.197+/-0.972 χ^2/NDF:1427.8/54

All: -5.531+/-0.702 χ^2/NDF: 2688.1/105



Right In: -403.278+/-1.601 χ^2/NDF: 4892.4/27

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -404.629+/-1.397 χ^2/NDF: 10692.0/30

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

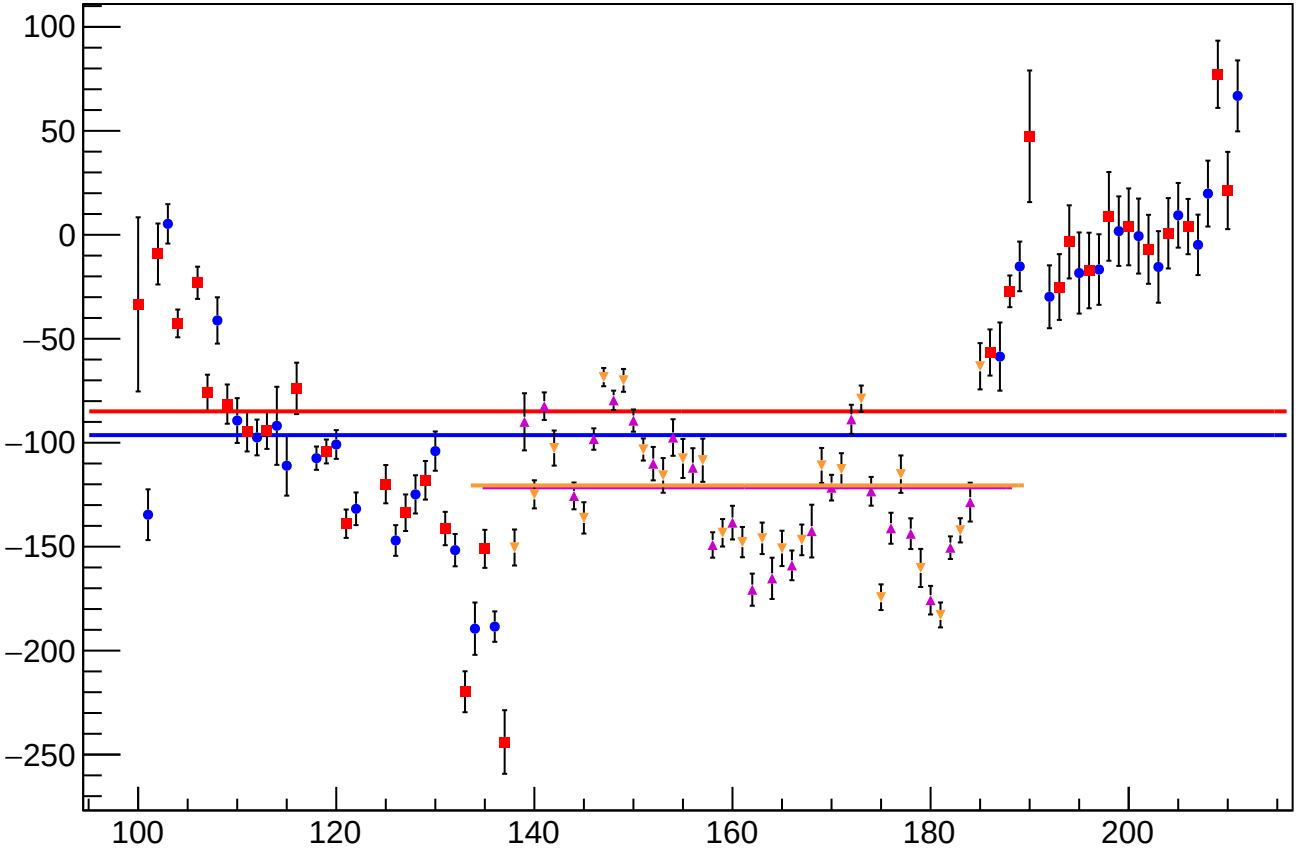
Right: -404.045+/-1.052 χ^2/NDF: 15584.8/58

In: -394.907+/-1.158 χ^2/NDF:7310.9/50

Out: -394.550+/-1.071 χ^2/NDF:13437.1/54

All: -394.715+/-0.786 χ^2/NDF: 20748.1/105

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -96.352+/-1.980 χ^2/NDF: 921.0/27

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -84.929+/-1.857 χ^2/NDF: 1064.2/30

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

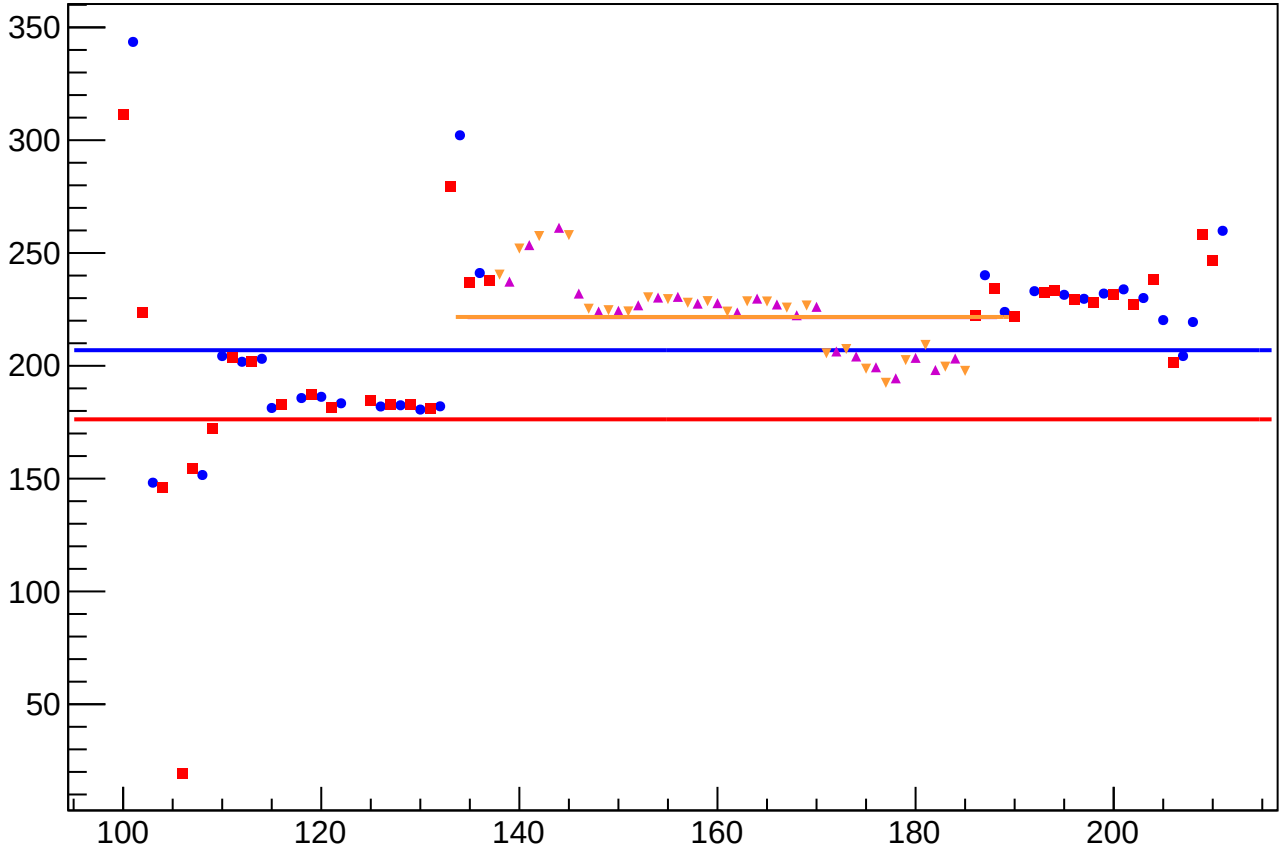
Right: -90.276+/-1.354 χ^2/NDF: 2002.9/58

In: -112.691+/-1.170 χ^2/NDF:1458.3/50

Out: -107.224+/-1.136 χ^2/NDF:1905.9/54

All: -109.877+/-0.815 χ^2/NDF: 3375.5/105

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 206.919+/-0.101 χ^2/NDF: 206058.5/27

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 176.274+/-0.091 χ^2/NDF: 669504.0/30

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

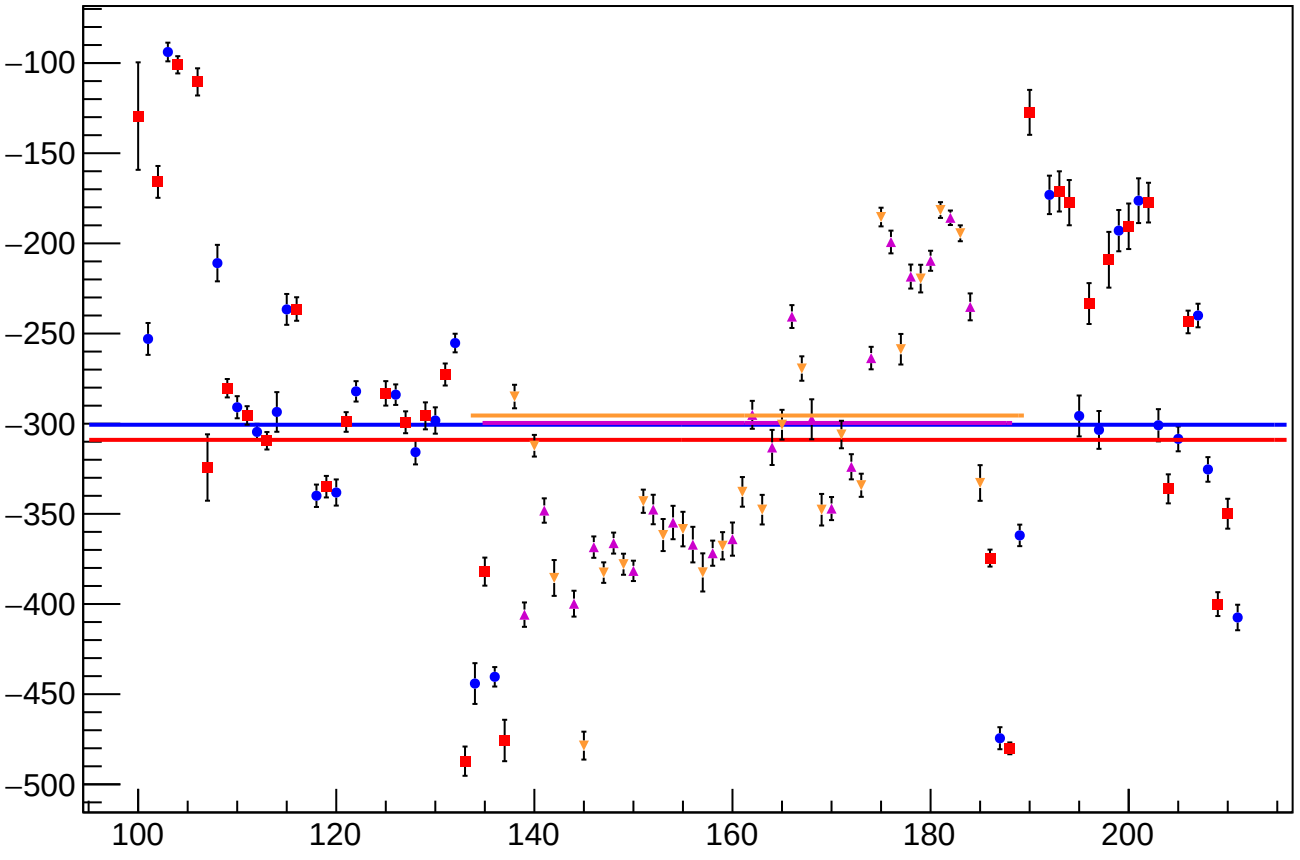
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 190.031+/-0.067 χ^2/NDF: 926718.4/58

In: 217.143+/-0.055 χ^2/NDF:282990.0/50

Out: 205.750+/-0.054 χ^2/NDF:899022.7/54

All: 211.283+/-0.039 χ^2/NDF: 1203841.4/105



Right In: -300.585+/-1.315 χ^2/NDF: 4339.5/27

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -308.966+/-1.213 χ^2/NDF: 7950.7/30

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

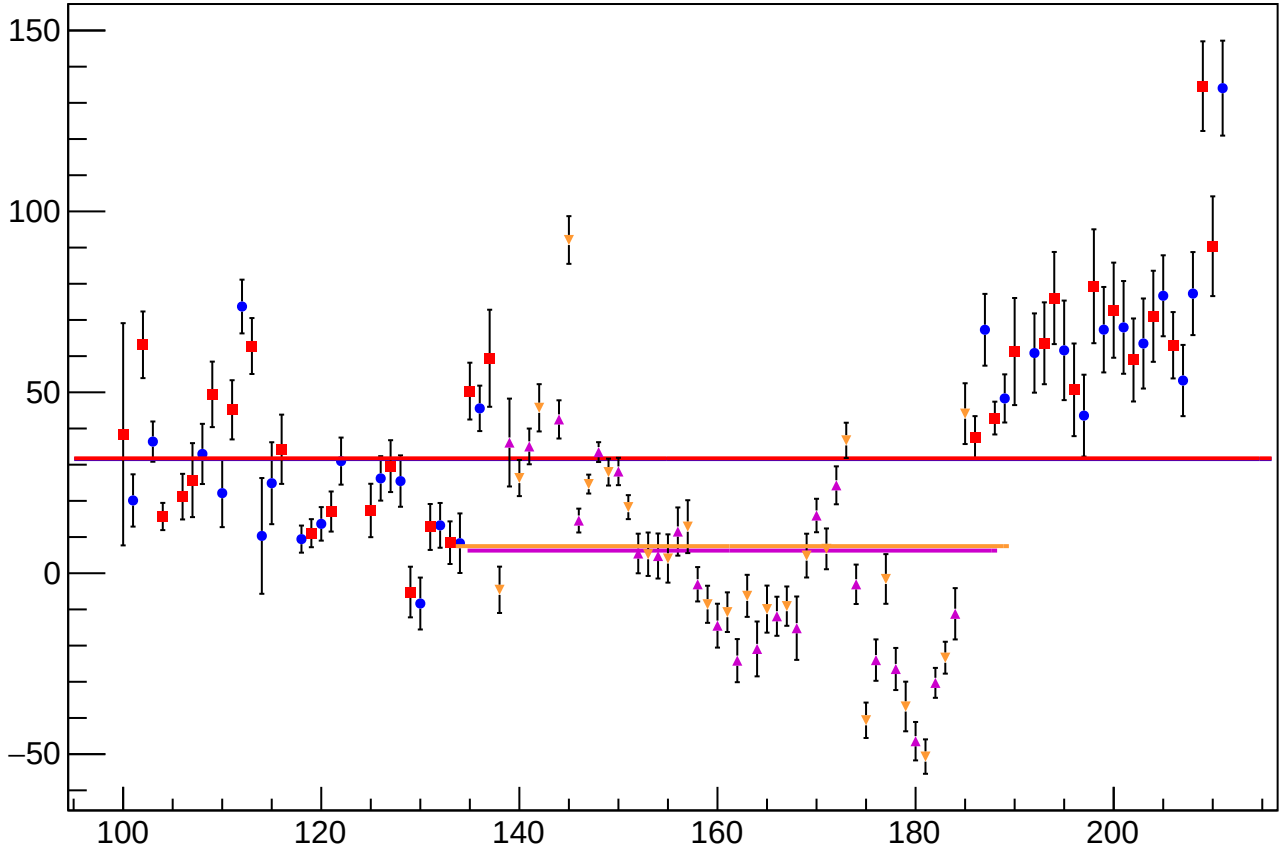
Right: -305.111+/-0.892 χ^2/NDF: 12312.1/58

In: -300.116+/-0.957 χ^2/NDF:7311.5/50

Out: -303.140+/-0.915 χ^2/NDF:11350.4/54

All: -301.697+/-0.661 χ^2/NDF: 18667.1/105

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 31.555+/-1.434 χ^2/NDF: 296.9/27

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 31.749+/-1.341 χ^2/NDF: 323.5/30

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

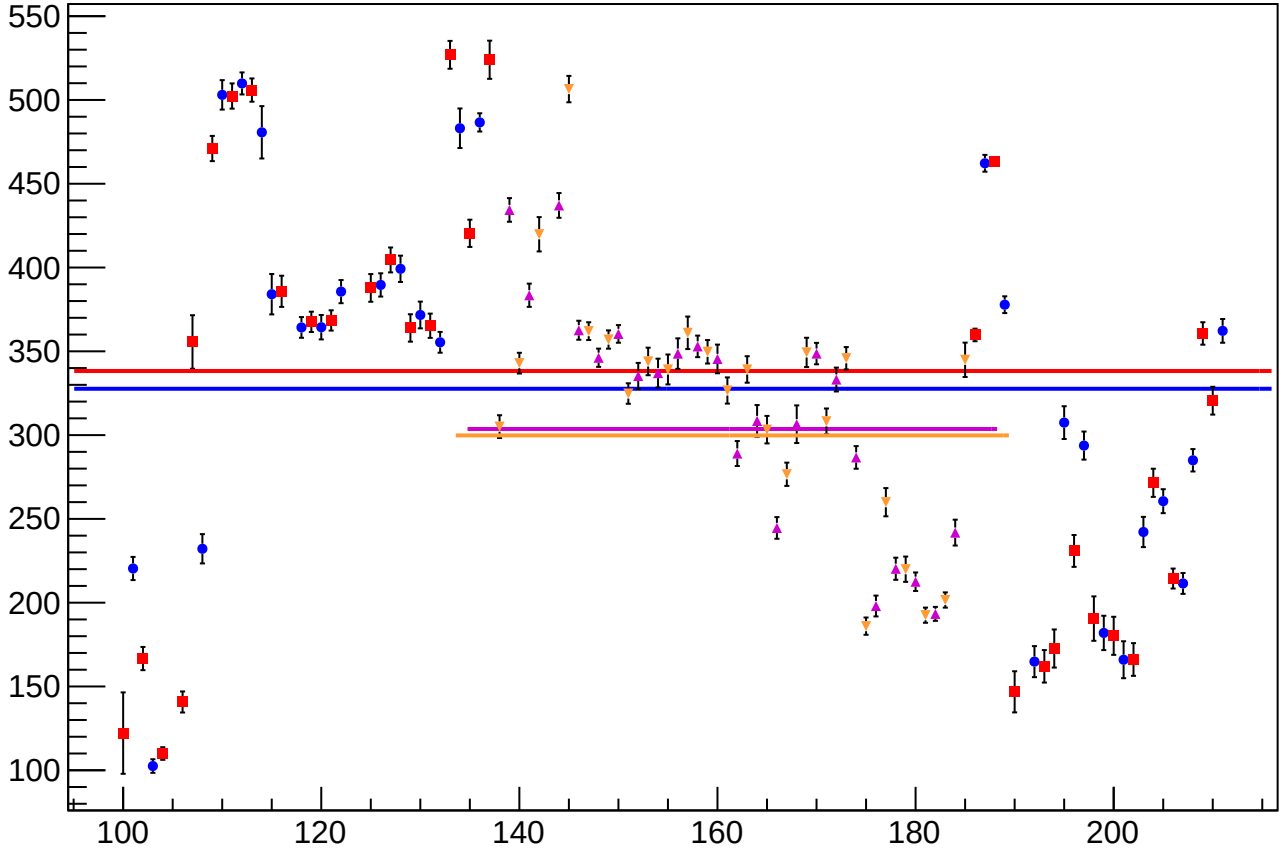
Right: 31.659+/-0.979 χ^2/NDF: 620.5/58

In: 15.033+/-0.845 χ^2/NDF:1059.6/50

Out: 16.484+/-0.817 χ^2/NDF:1268.0/54

All: 15.783+/-0.587 χ^2/NDF: 2329.1/105

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.659+/-1.335 χ^2/NDF: 8239.5/27

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 338.266+/-1.193 χ^2/NDF: 12156.7/30

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

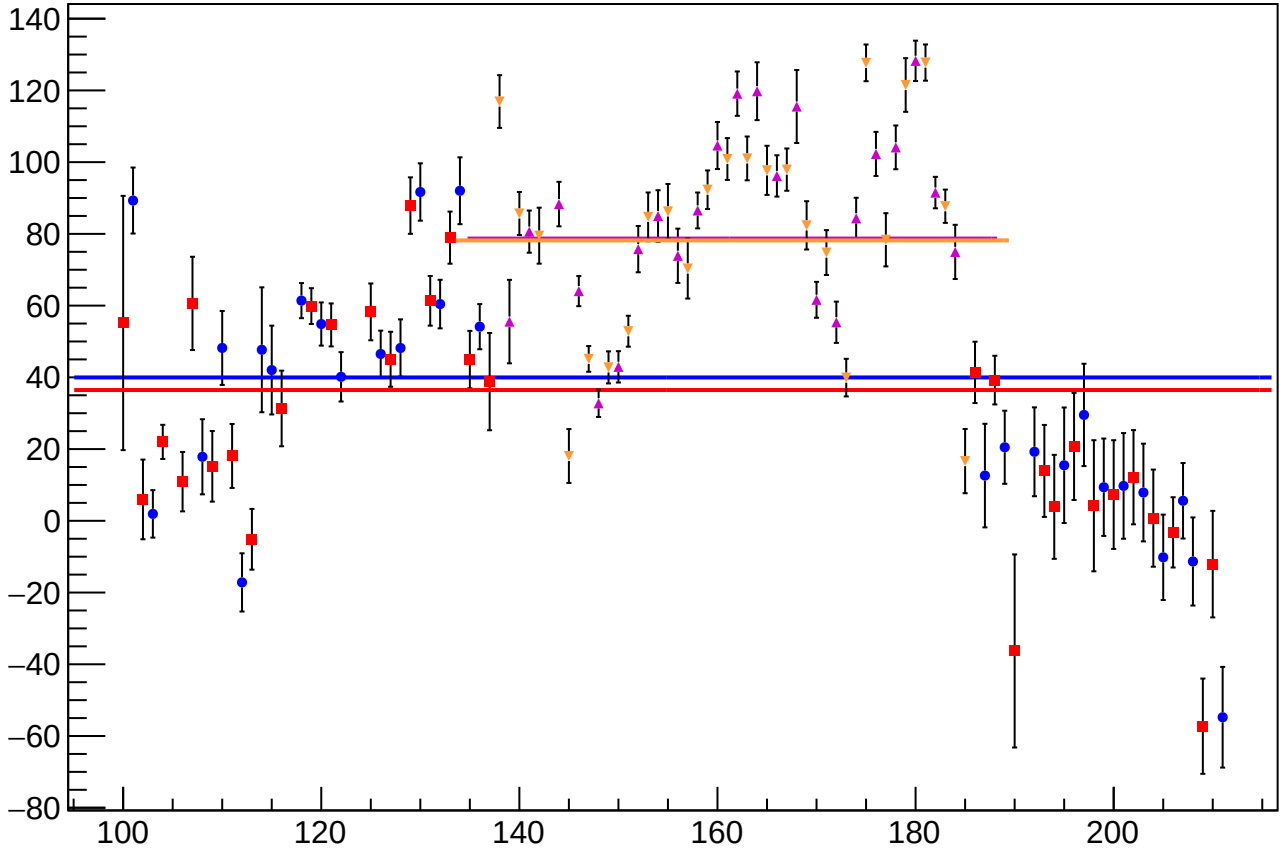
Right: 333.558+/-0.890 χ^2/NDF: 20431.3/58

In: 316.073+/-0.960 χ^2/NDF:11268.1/50

Out: 321.838+/-0.903 χ^2/NDF:15676.5/54

All: 319.134+/-0.658 χ^2/NDF: 26963.7/105

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.972+/-1.678 χ^2/NDF: 350.4/27

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 36.463+/-1.604 χ^2/NDF: 305.5/30

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

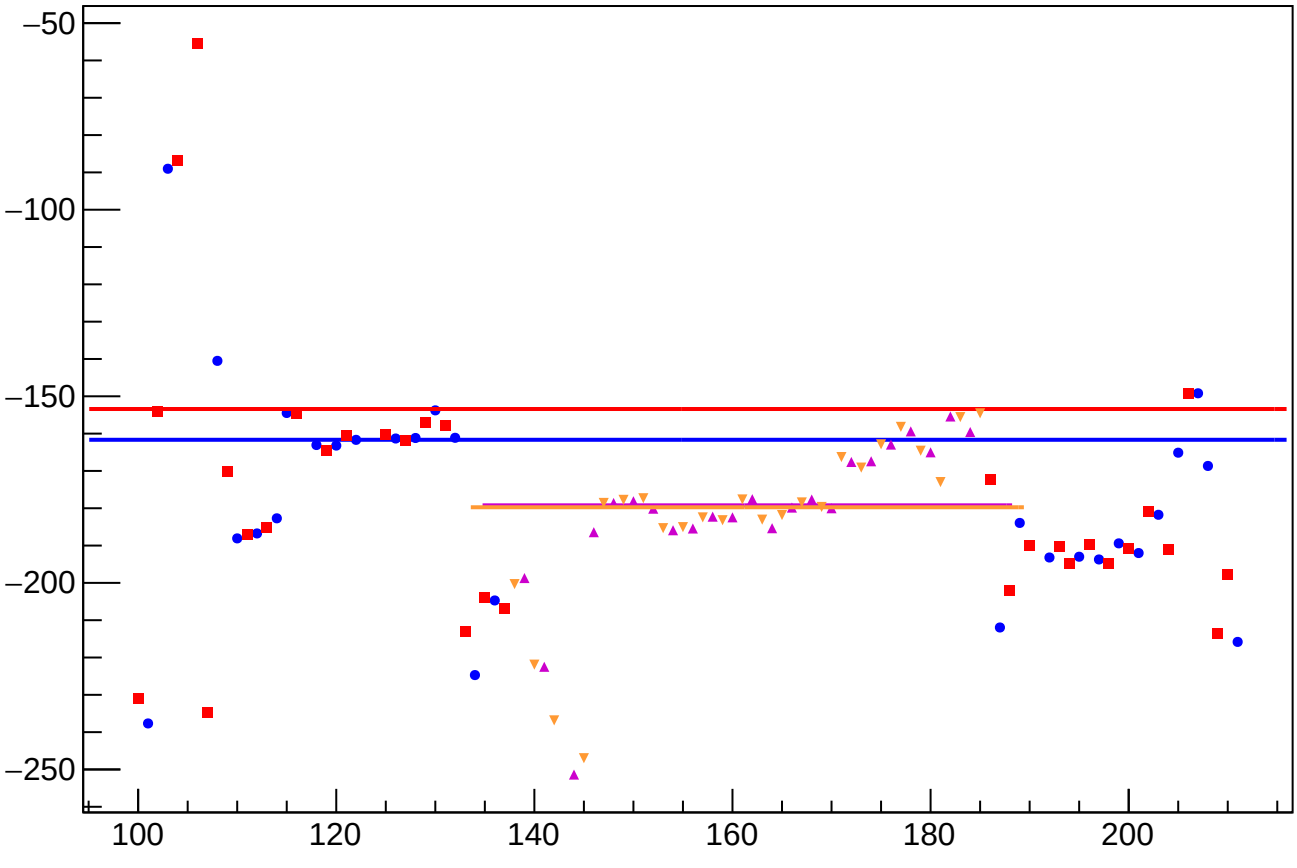
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 38.138+/-1.159 χ^2/NDF: 658.1/58

In: 65.663+/-0.973 χ^2/NDF:1192.2/50

Out: 63.458+/-0.953 χ^2/NDF:1406.6/54

All: 64.537+/-0.681 χ^2/NDF: 2601.4/105



Right In: -161.653+/-0.081 χ^2/NDF: 311644.7/27

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -153.406+/-0.078 χ^2/NDF: 432347.1/30

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

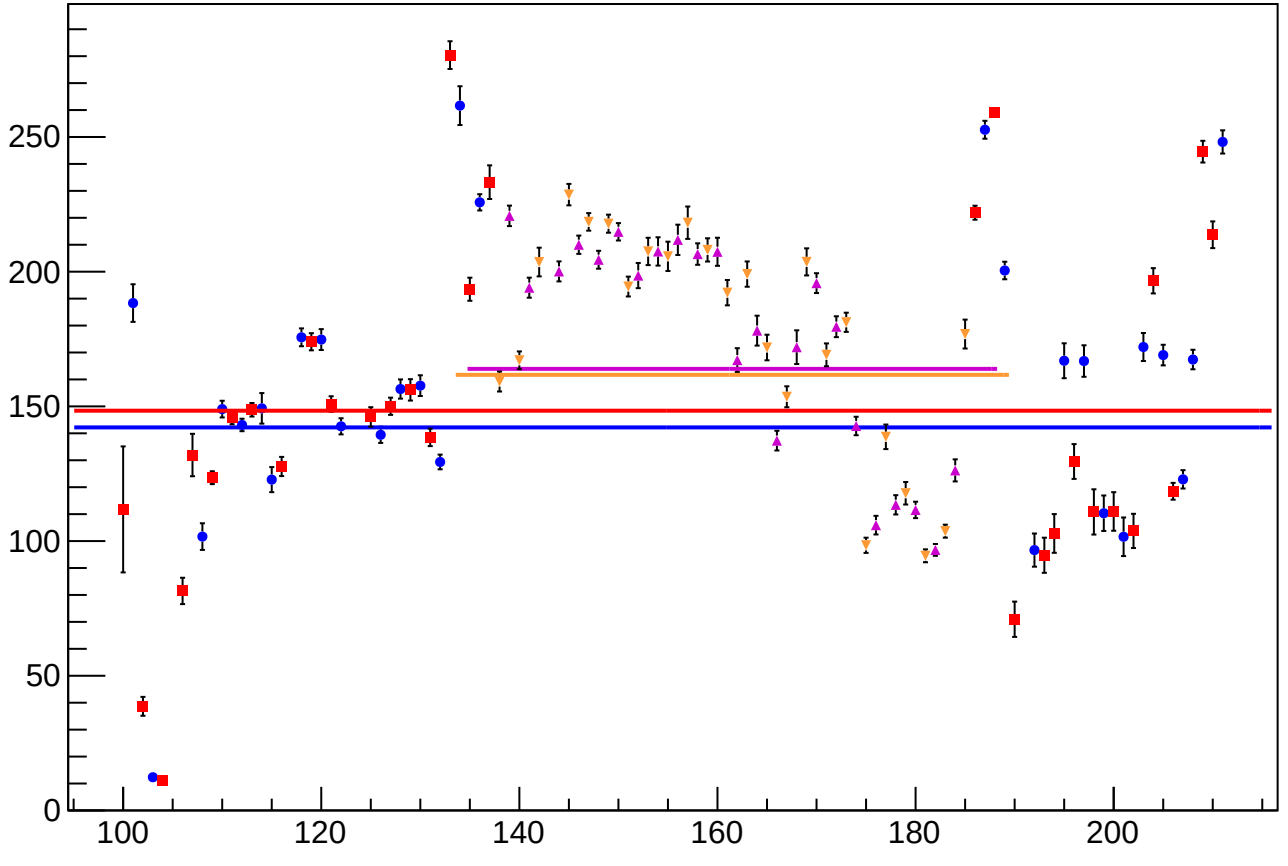
Right: -157.357+/-0.056 χ^2/NDF: 749381.2/58

In: -173.750+/-0.045 χ^2/NDF:457492.4/50

Out: -170.958+/-0.045 χ^2/NDF:640980.4/54

All: -172.344+/-0.032 χ^2/NDF: 1100391.6/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 142.193+/-0.682 χ^2/NDF: 8843.0/27

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 148.394+/-0.628 χ^2/NDF: 14061.2/30

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

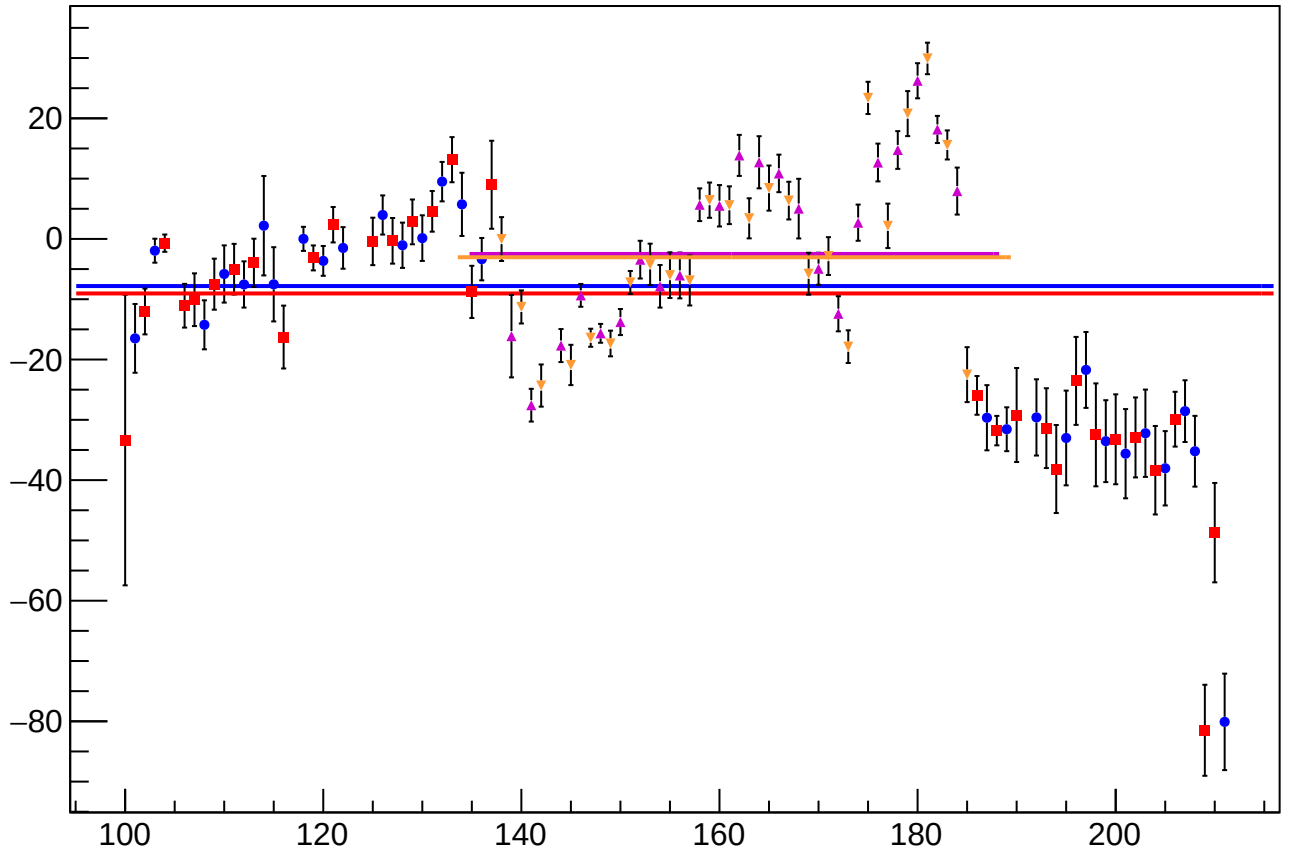
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 145.551+/-0.462 χ^2/NDF: 22948.9/58

In: 151.621+/-0.513 χ^2/NDF:12618.9/50

Out: 153.659+/-0.488 χ^2/NDF:17826.4/54

All: 152.691+/-0.354 χ^2/NDF: 30453.6/105



Right In: -7.816+/-0.748 χ^2/NDF: 363.6/27

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -9.042+/-0.677 χ^2/NDF: 477.3/30

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

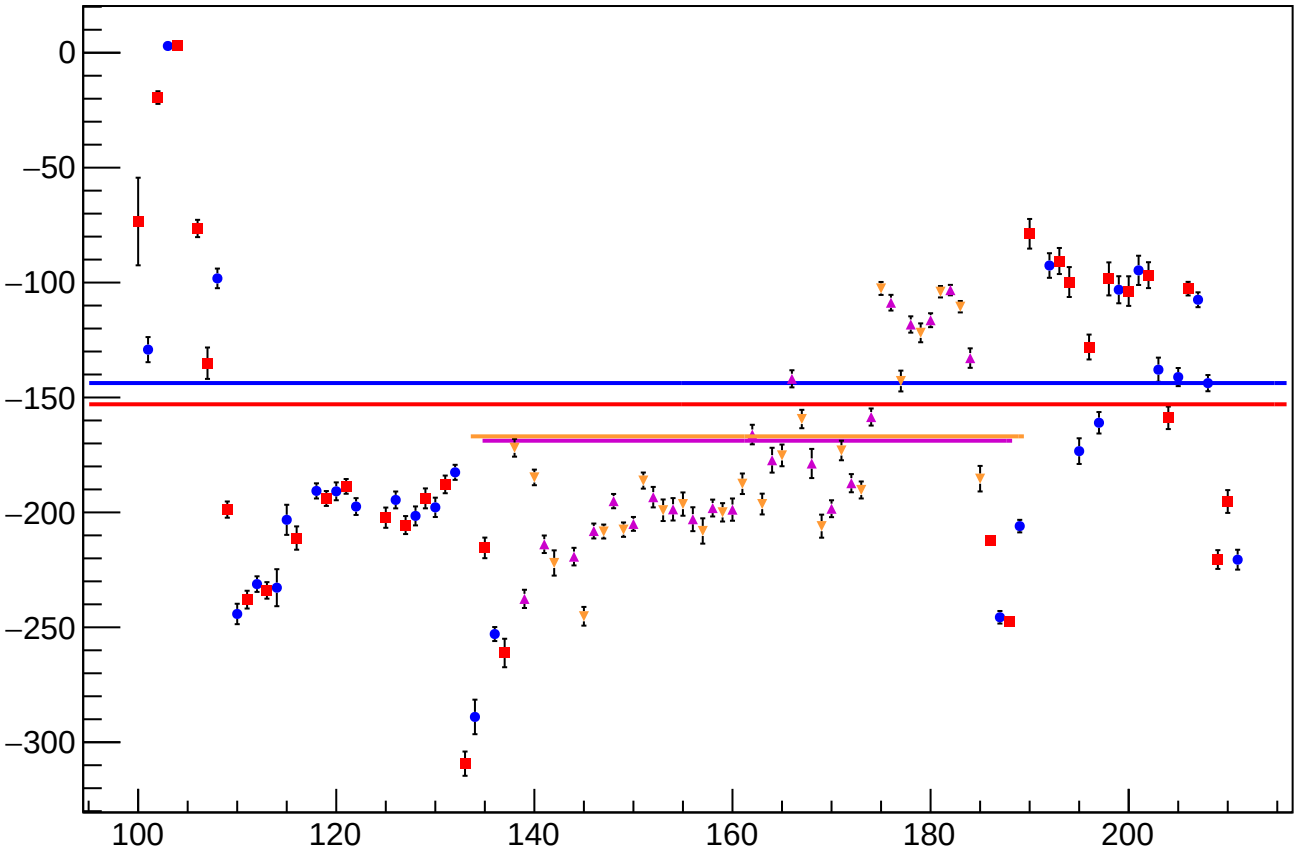
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -8.490+/-0.502 χ^2/NDF: 842.3/58

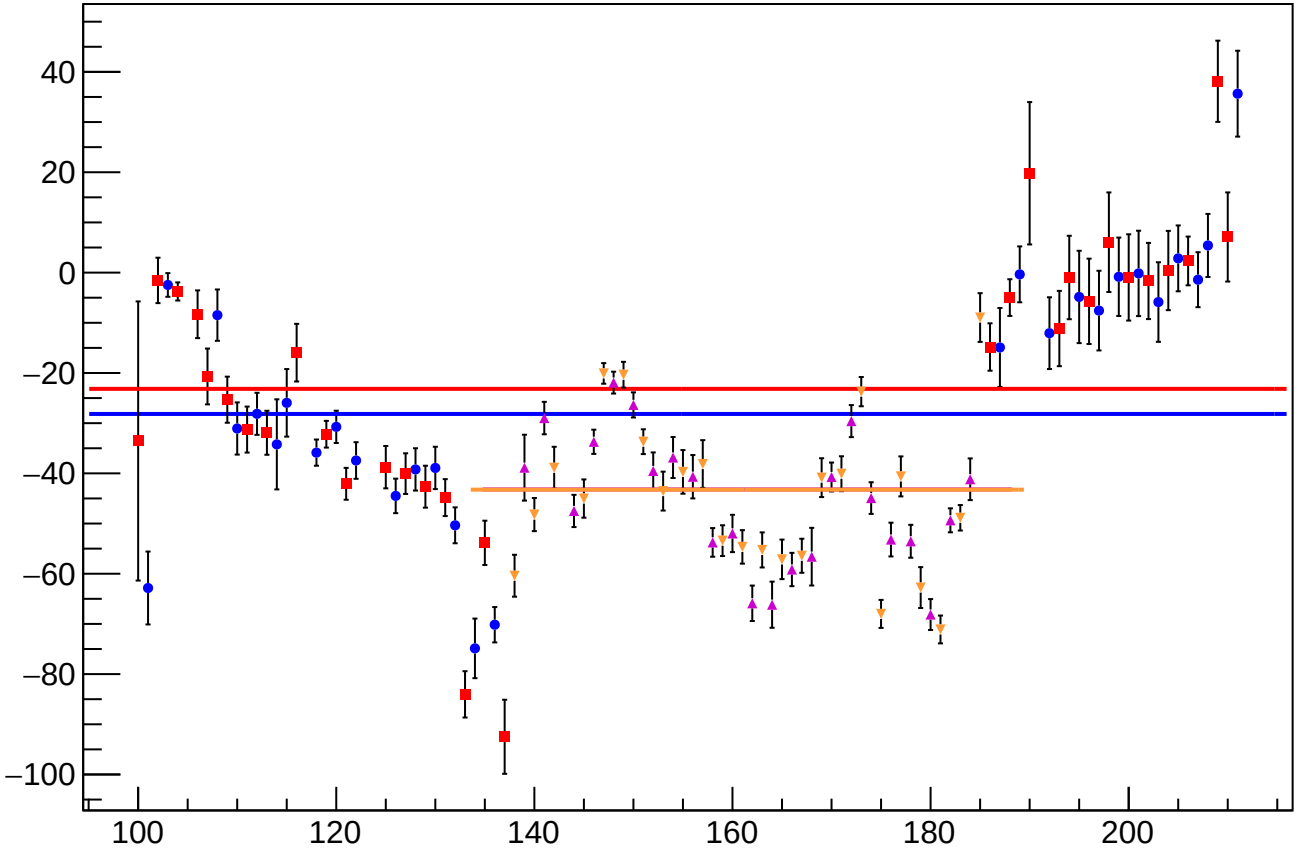
In: -4.520+/-0.462 χ^2/NDF:957.8/50

Out: -5.570+/-0.440 χ^2/NDF:1177.2/54

All: -5.070+/-0.318 χ^2/NDF: 2137.8/105


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: -143.721+/-0.680 χ²/NDF: 17565.1/27
Left Out: -166.912+/-0.771 χ²/NDF:3096.2/23
Right Out: -152.960+/-0.610 χ²/NDF: 24382.4/30
Left In: -168.810+/-0.772 χ²/NDF:3059.5/22
Left: -167.859+/-0.546 χ²/NDF: 6158.8/46
Right: -148.845+/-0.454 χ²/NDF: 42049.8/58
In: -154.682+/-0.511 χ²/NDF:21218.7/50
Out: -158.330+/-0.478 χ²/NDF:27680.1/54
All: -156.625+/-0.349 χ²/NDF: 48926.0/105

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.163+/-0.875 χ^2/NDF: 658.9/27

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -23.164+/-0.813 χ^2/NDF: 782.3/30

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

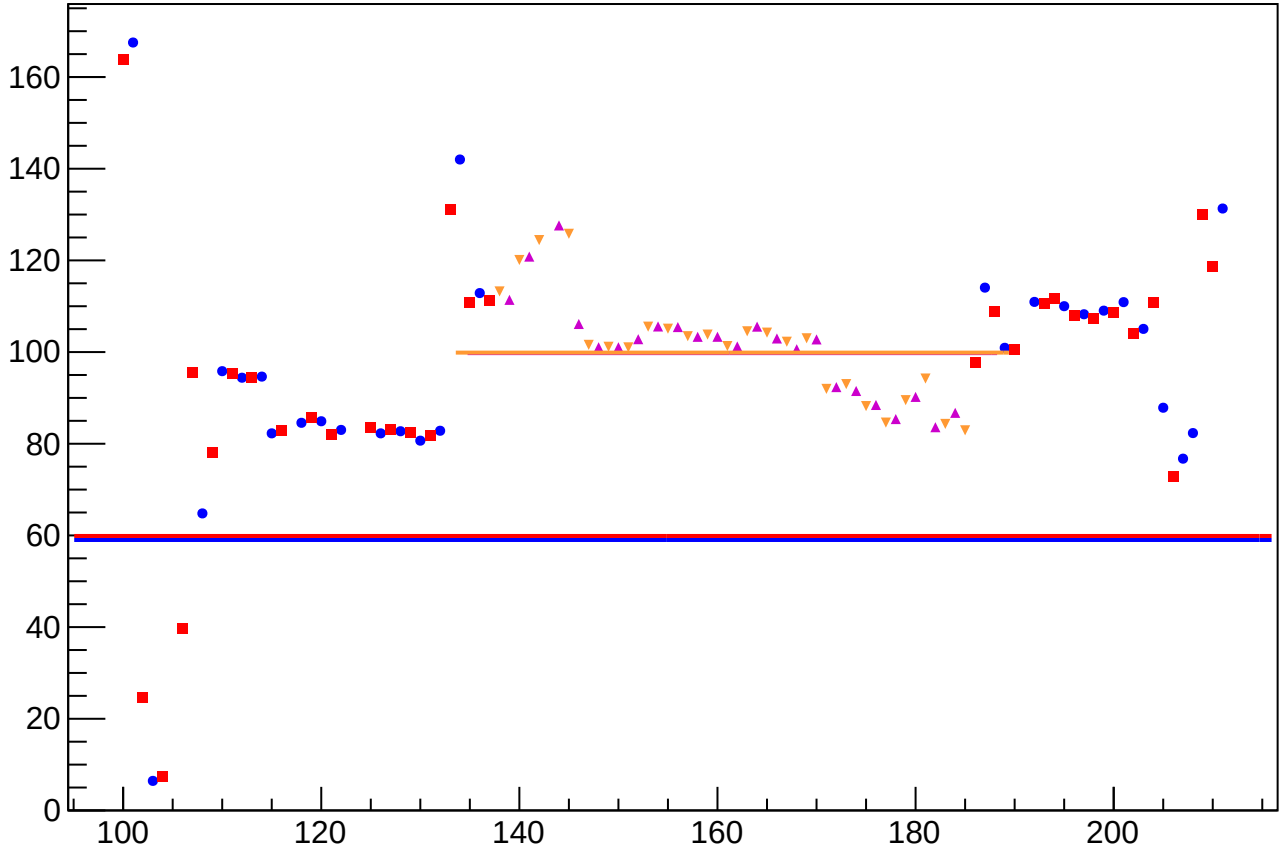
Right: -25.479+/-0.596 χ^2/NDF: 1458.7/58

In: -37.650+/-0.532 χ^2/NDF:1251.0/50

Out: -35.210+/-0.514 χ^2/NDF:1758.7/54

All: -36.388+/-0.370 χ^2/NDF: 3020.6/105

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 59.005+/-0.039 χ^2/NDF: 1534319.9/27

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 59.882+/-0.038 χ^2/NDF: 1345611.9/30

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

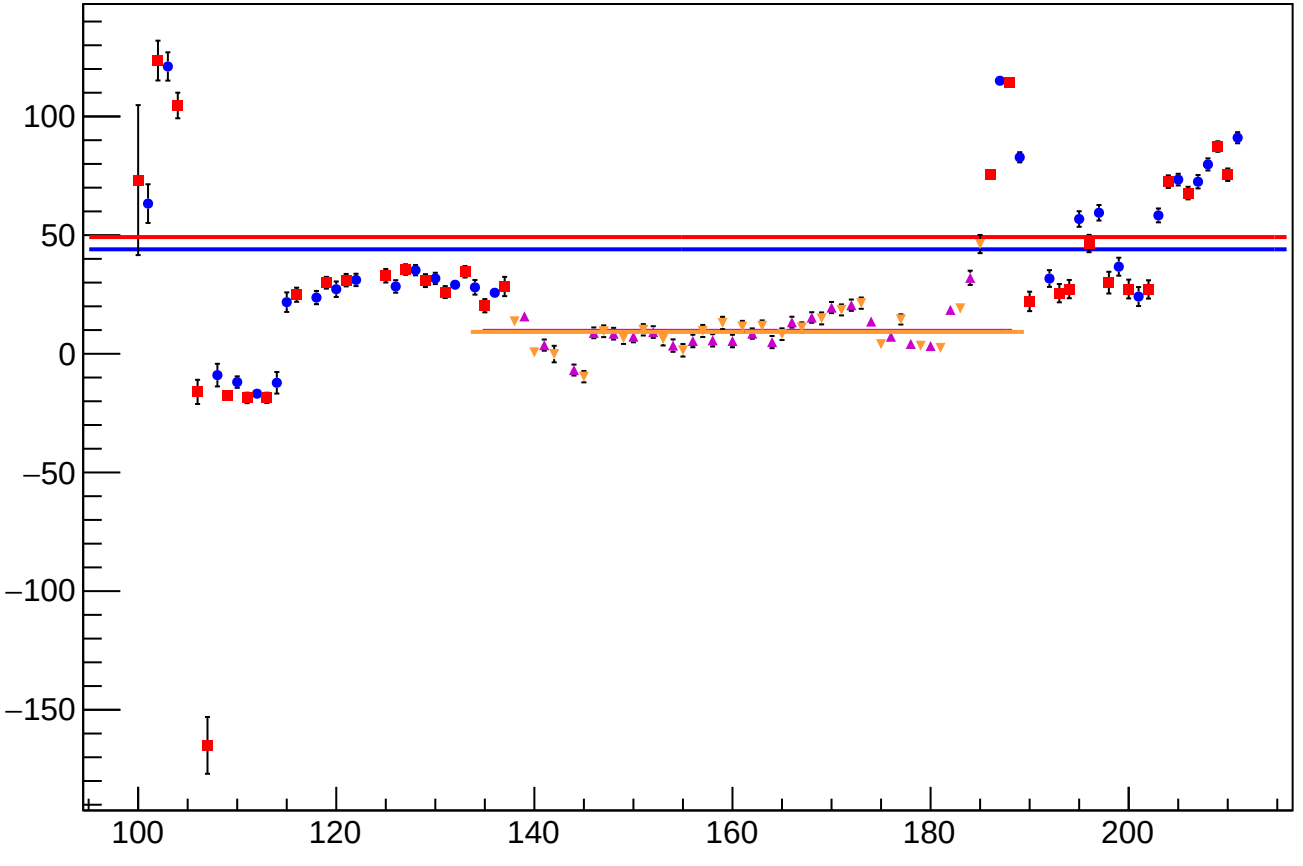
Right: 59.448+/-0.027 χ^2/NDF: 2880191.7/58

In: 84.104+/-0.024 χ^2/NDF:2331926.3/50

Out: 84.167+/-0.024 χ^2/NDF:2133172.5/54

All: 84.136+/-0.017 χ^2/NDF: 4465102.2/105

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 44.021+/-0.517 χ^2/NDF: 4816.0/27

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 49.184+/-0.469 χ^2/NDF: 8433.8/30

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

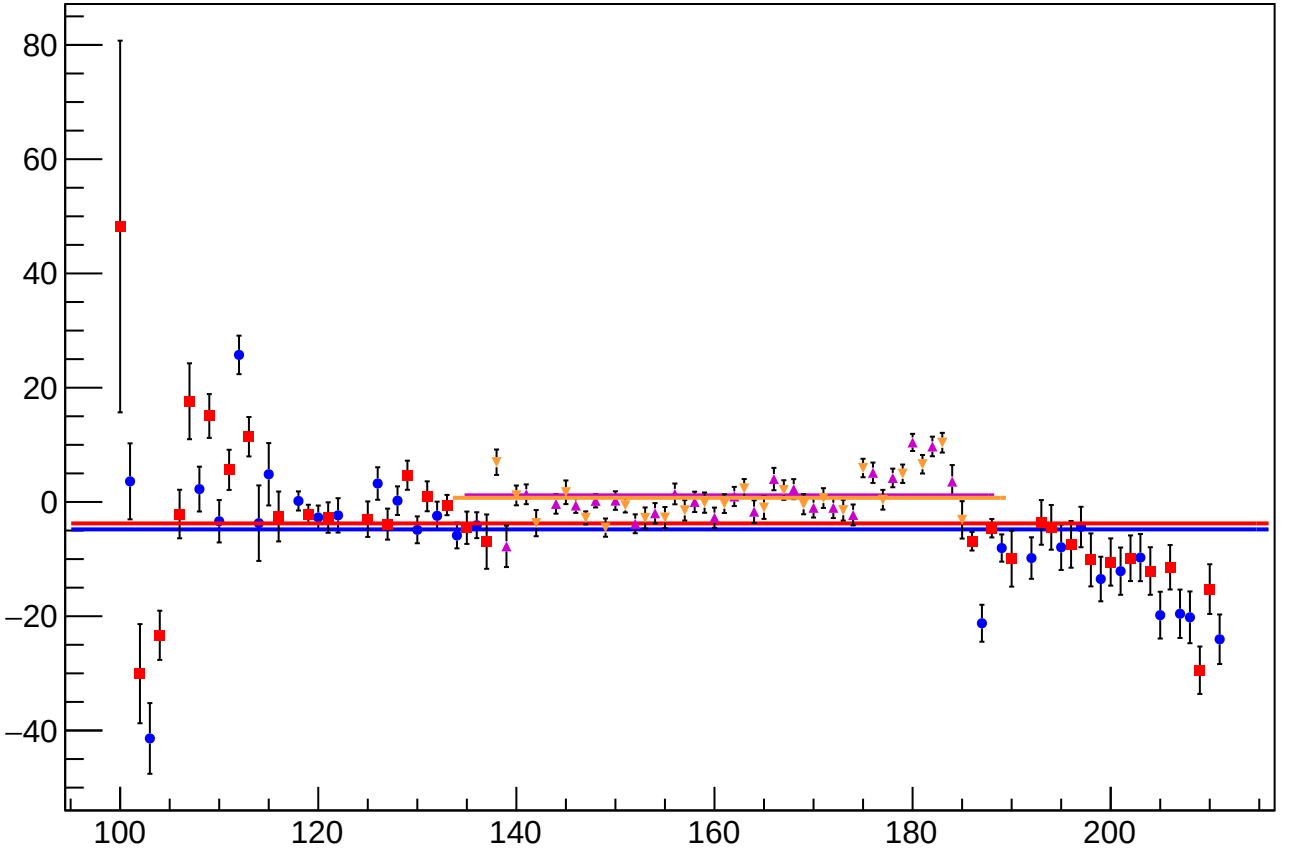
Right: 46.853+/-0.348 χ^2/NDF: 13304.5/58

In: 24.925+/-0.345 χ^2/NDF:7512.4/50

Out: 28.651+/-0.327 χ^2/NDF:12486.4/54

All: 26.885+/-0.237 χ^2/NDF: 20060.3/105

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.801+/-0.583 χ^2/NDF: 245.7/27

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.756+/-0.545 χ^2/NDF: 179.3/30

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

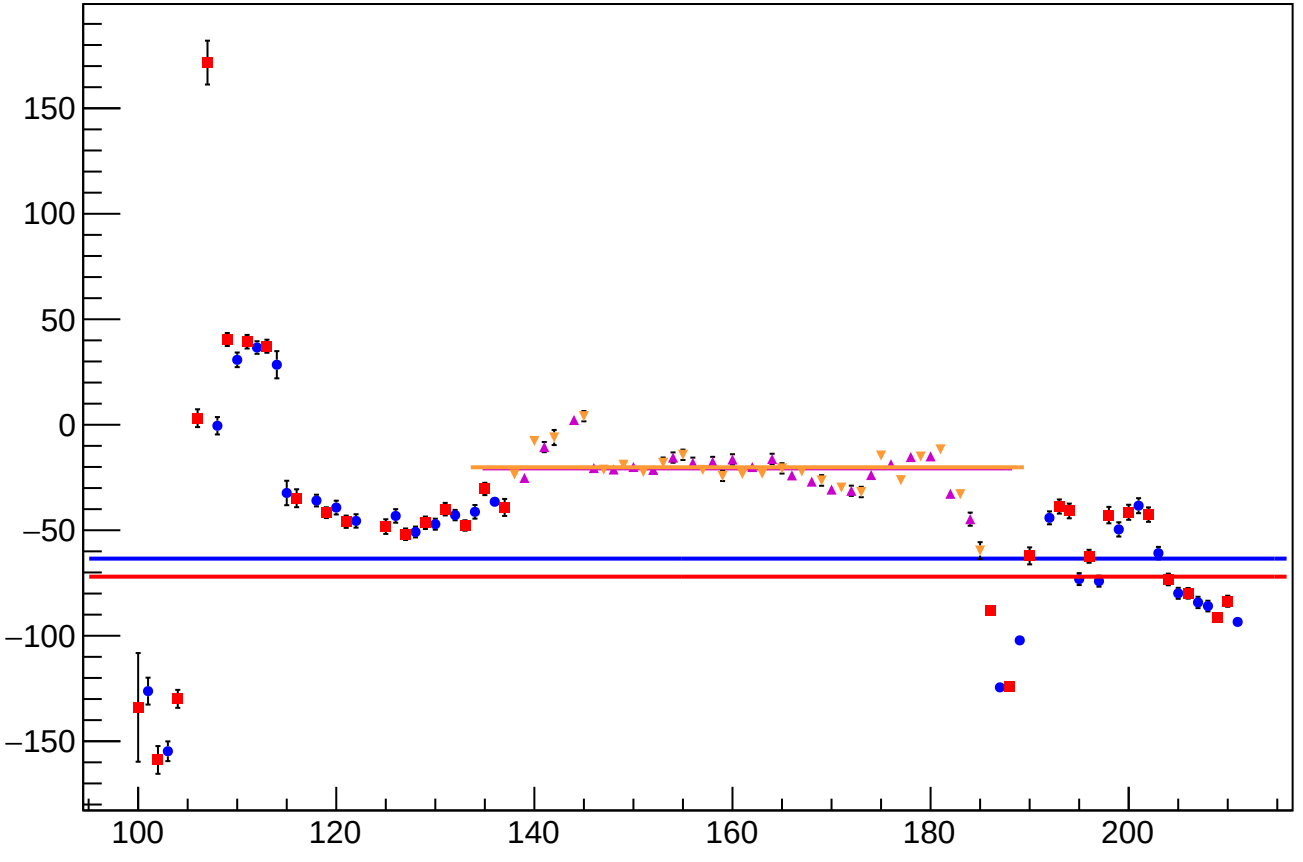
Right: -4.243+/-0.398 χ^2/NDF: 426.6/58

In: -0.470+/-0.305 χ^2/NDF:431.9/50

Out: -0.576+/-0.294 χ^2/NDF:337.0/54

All: -0.525+/-0.212 χ^2/NDF: 768.9/105

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -63.442+/-0.528 χ^2/NDF: 5755.2/27

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.001+/-0.456 χ^2/NDF: 9759.7/30

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

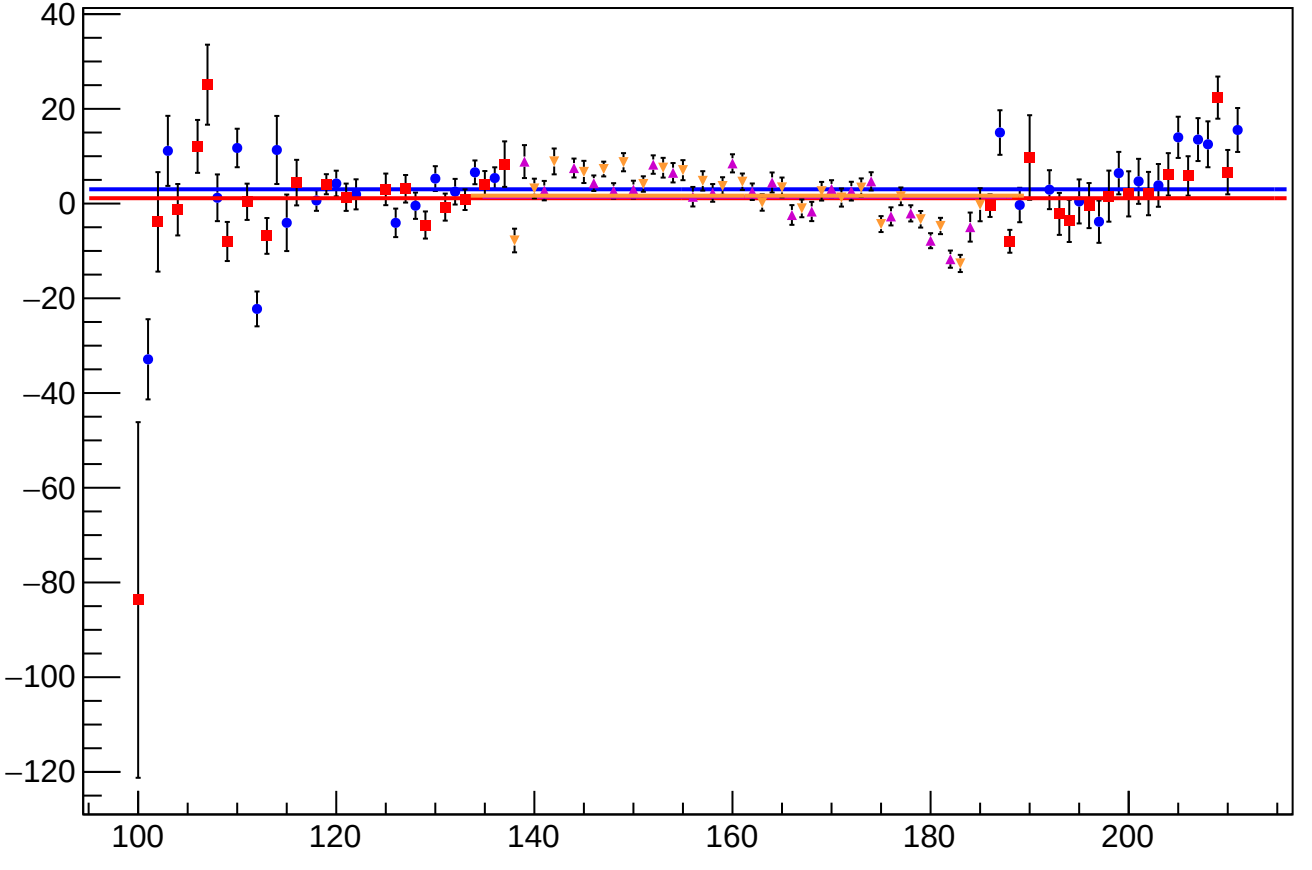
Right: -68.339+/-0.345 χ^2/NDF: 15665.4/58

In: -39.034+/-0.346 χ^2/NDF:9812.5/50

Out: -45.851+/-0.321 χ^2/NDF:16690.0/54

All: -42.692+/-0.235 χ^2/NDF: 26711.1/105

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.017+/-0.677 χ^2/NDF: 119.9/27

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 1.129+/-0.654 χ^2/NDF: 81.8/30

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

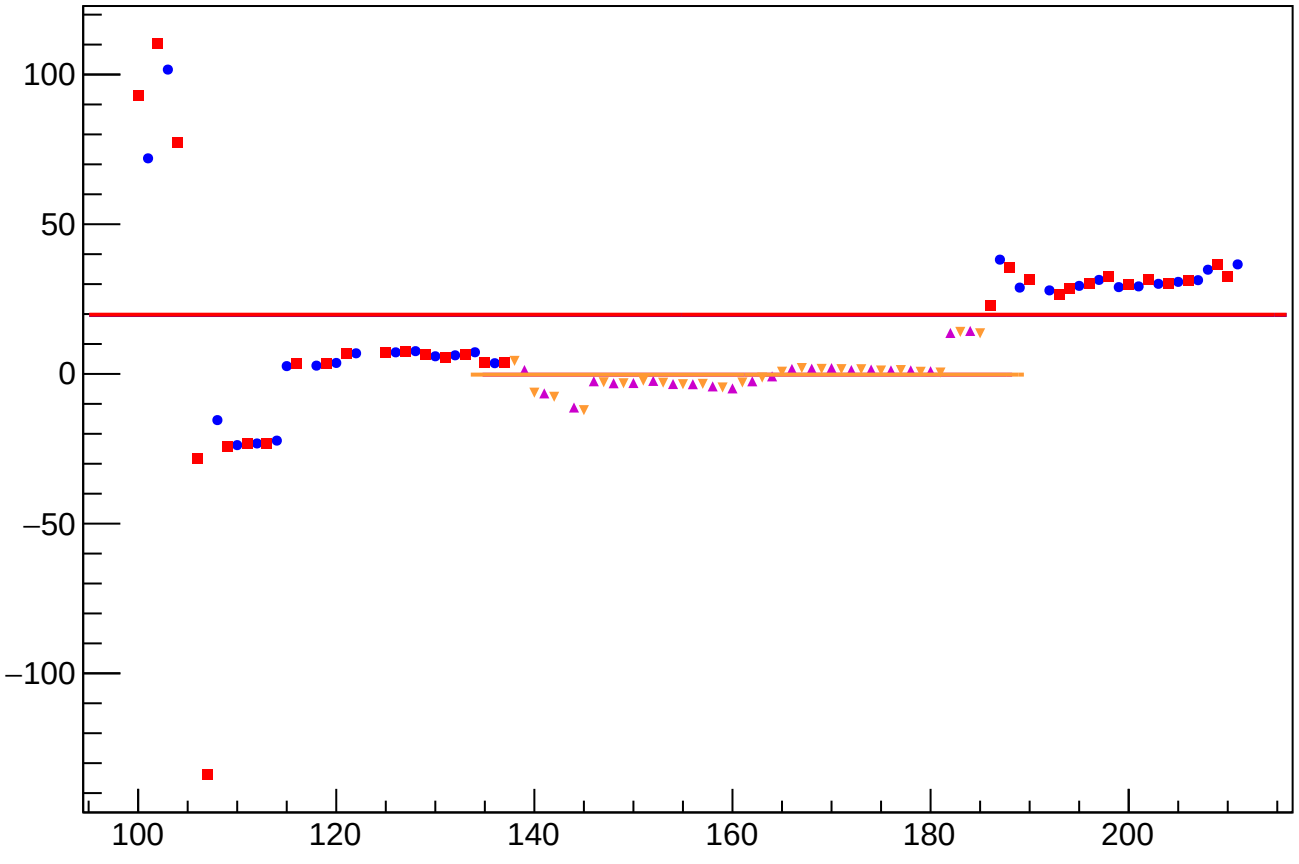
Right: 2.042+/-0.470 χ^2/NDF: 205.7/58

In: 1.843+/-0.346 χ^2/NDF:286.7/50

Out: 1.526+/-0.338 χ^2/NDF:260.2/54

All: 1.681+/-0.242 χ^2/NDF: 547.4/105

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 19.676+/-0.034 χ^2/NDF: 426342.9/27

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 19.780+/-0.033 χ^2/NDF: 599399.8/30

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

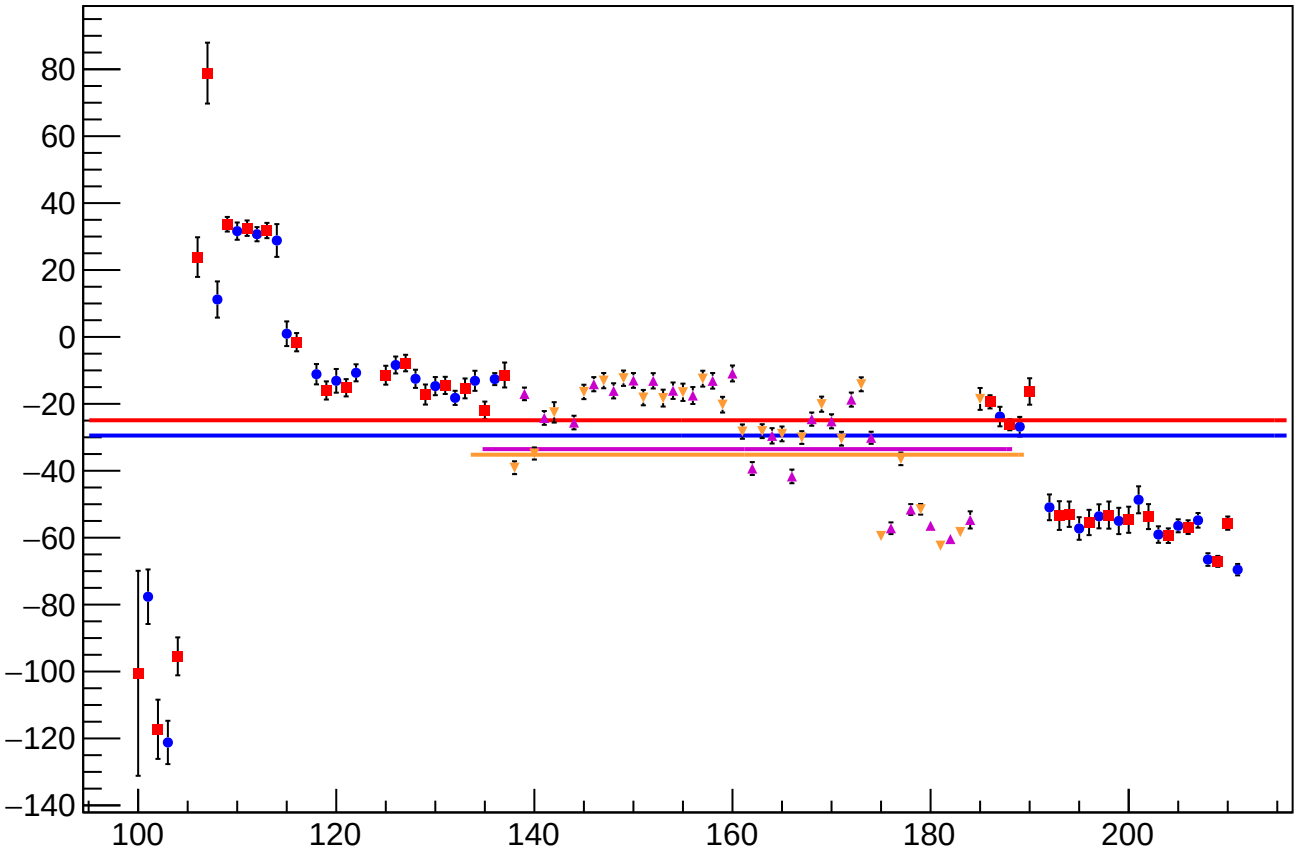
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 19.729+/-0.024 χ^2/NDF: 1025747.6/58

In: 4.071+/-0.016 χ^2/NDF:774284.4/50

Out: 4.155+/-0.016 χ^2/NDF:962390.8/54

All: 4.113+/-0.011 χ^2/NDF: 1736689.8/105



Right In: -29.474+/-0.511 χ^2/NDF: 3884.3/27

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -24.908+/-0.492 χ^2/NDF: 4376.0/30

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

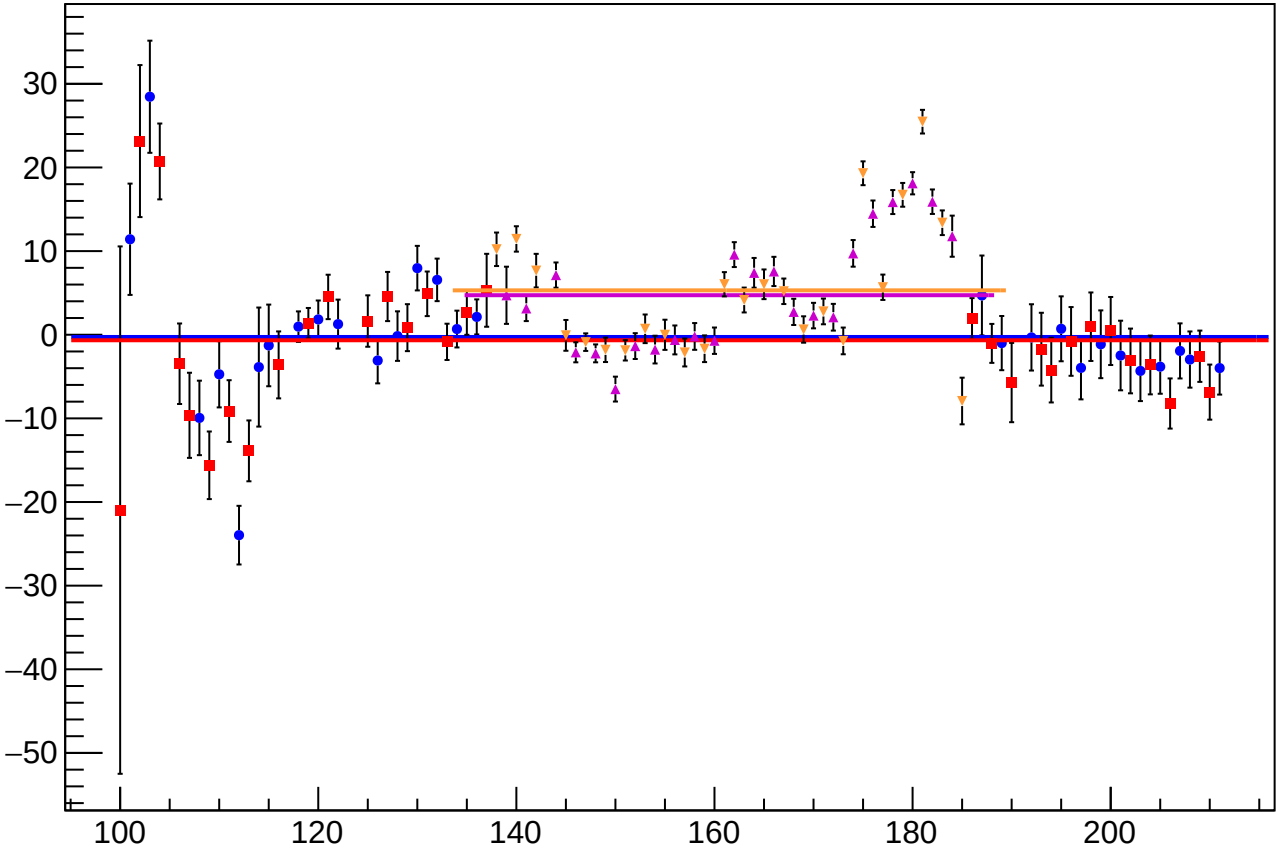
Right: -27.104+/-0.354 χ^2/NDF: 8301.7/58

In: -31.923+/-0.322 χ^2/NDF:5728.4/50

Out: -31.004+/-0.314 χ^2/NDF:6486.1/54

All: -31.453+/-0.225 χ^2/NDF: 12218.7/105

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.267+/-0.597 χ^2/NDF: 101.5/27

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.660+/-0.587 χ^2/NDF: 97.3/30

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

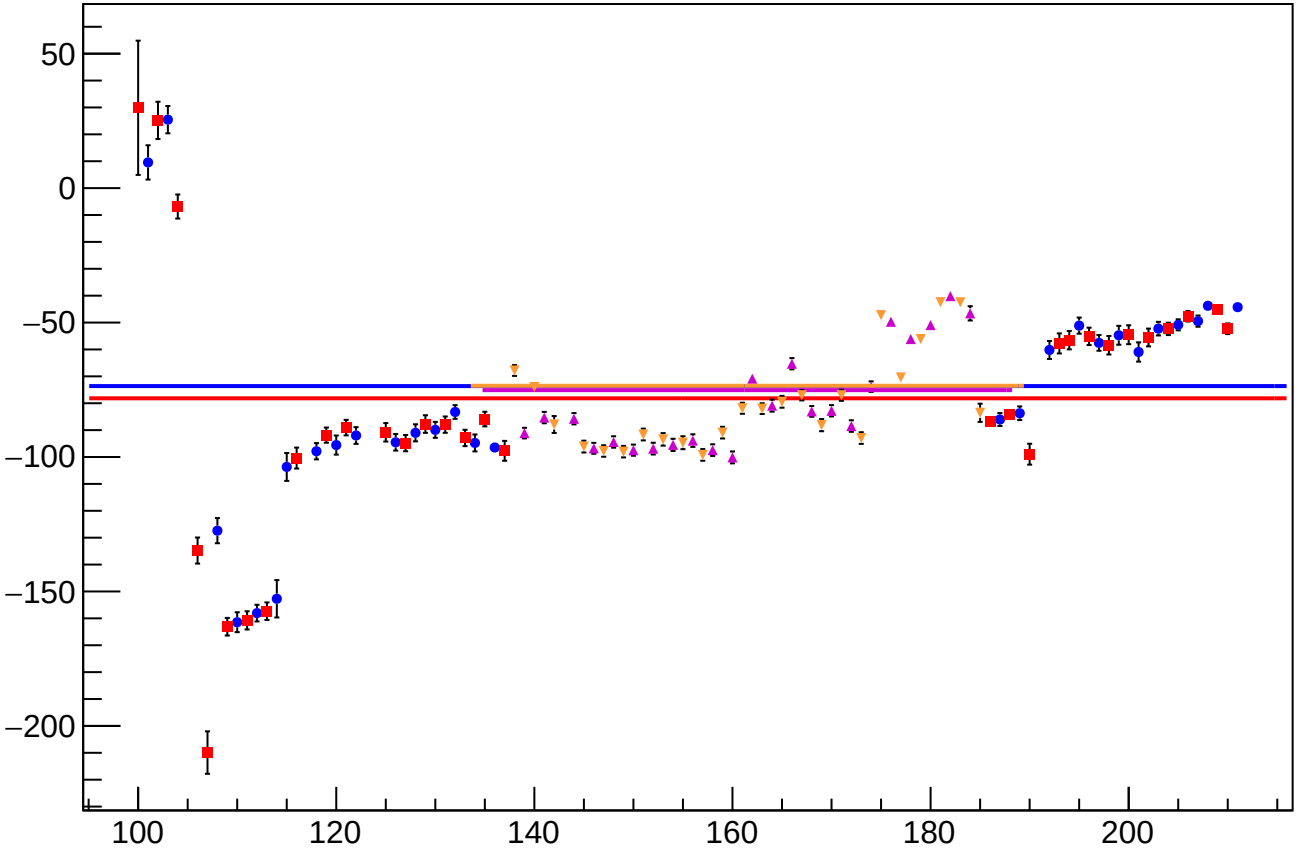
Right: -0.467+/-0.419 χ^2/NDF: 199.1/58

In: 3.607+/-0.283 χ^2/NDF:651.7/50

Out: 3.972+/-0.277 χ^2/NDF:802.0/54

All: 3.793+/-0.198 χ^2/NDF: 1454.6/105

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -73.619+/-0.529 χ^2/NDF: 3675.6/27

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -78.164+/-0.498 χ^2/NDF: 4216.9/30

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

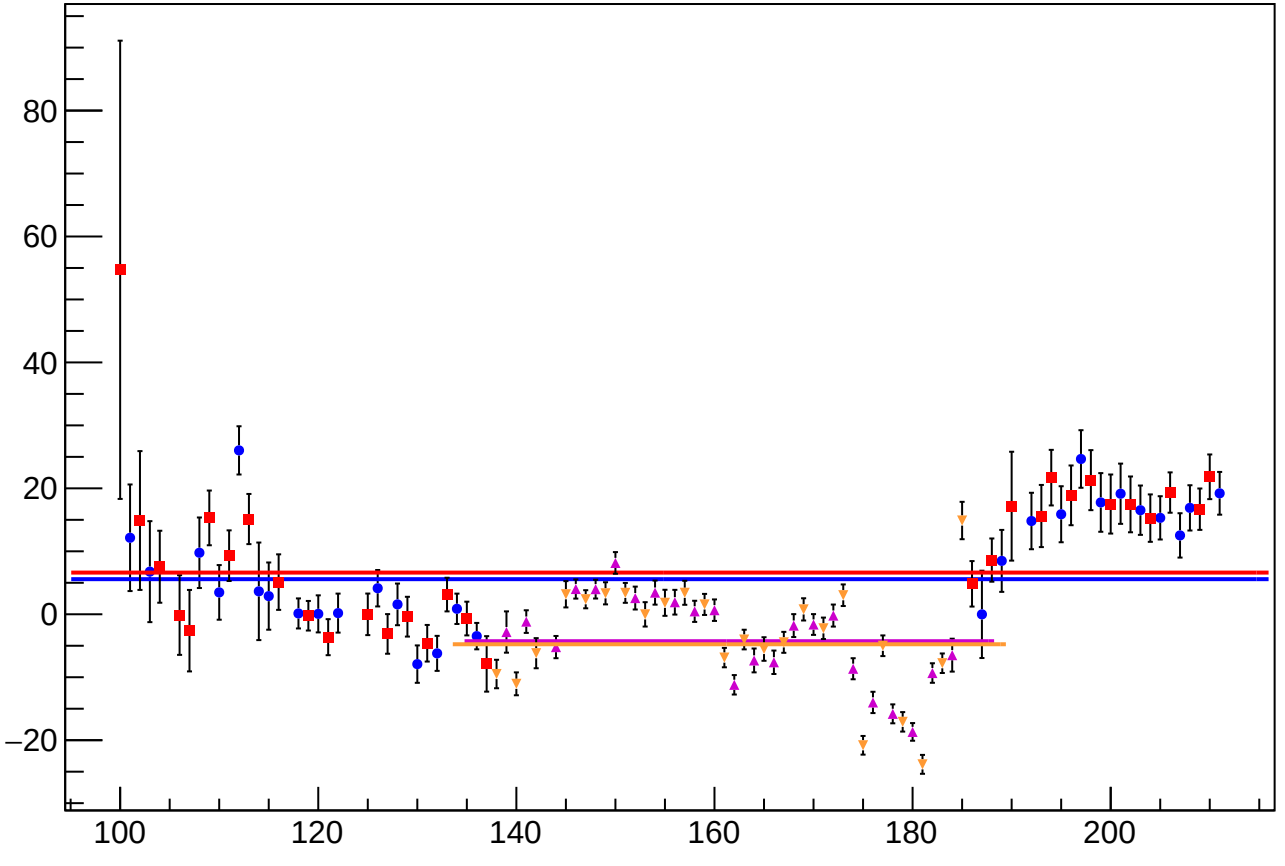
Right: -76.031+/-0.363 χ^2/NDF: 7931.6/58

In: -74.565+/-0.324 χ^2/NDF:6042.6/50

Out: -75.363+/-0.314 χ^2/NDF:6661.5/54

All: -74.976+/-0.226 χ^2/NDF: 12707.3/105

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.575+/-0.678 χ^2/NDF: 193.4/27

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 6.621+/-0.681 χ^2/NDF: 182.8/30

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

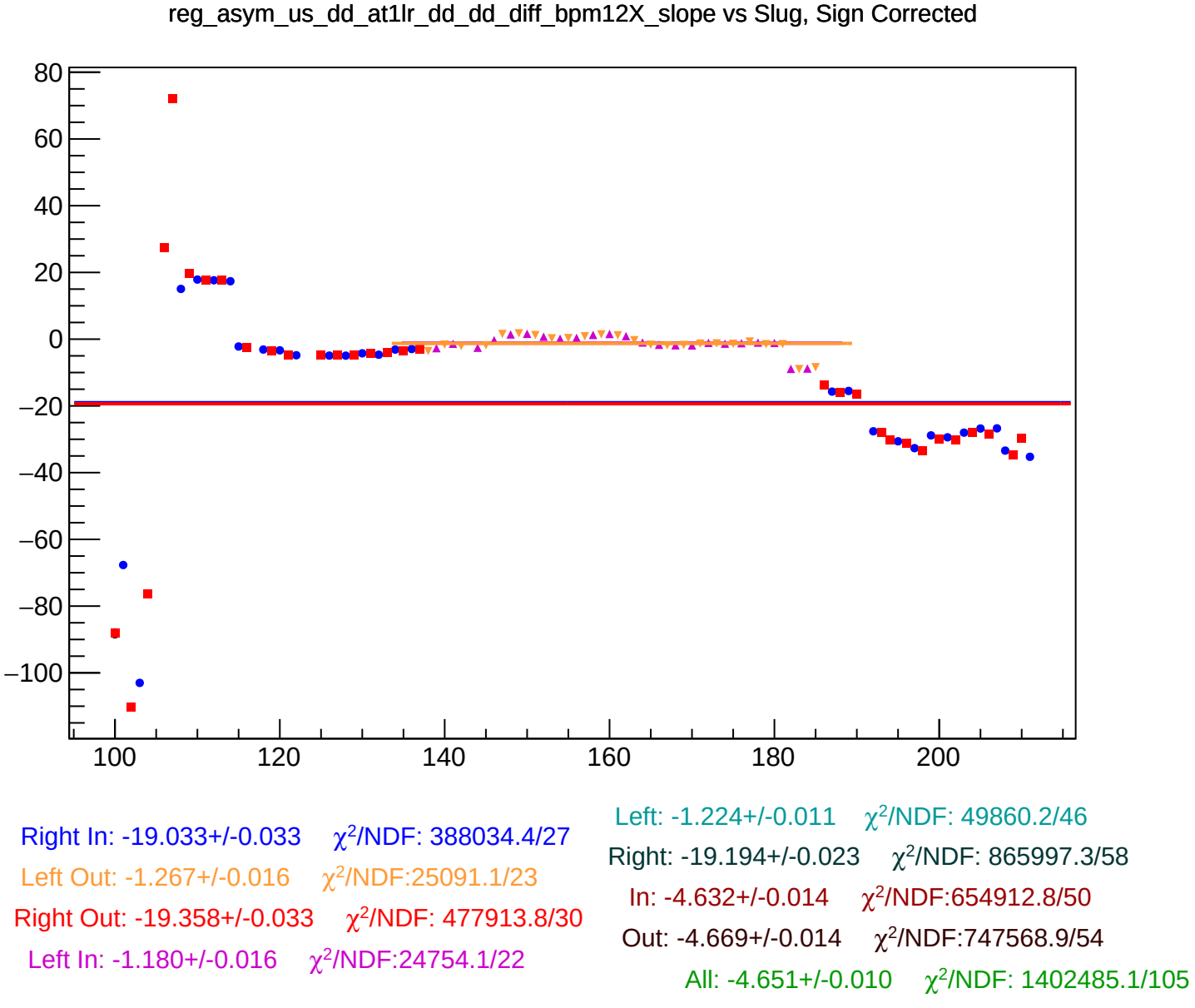
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 6.095+/-0.480 χ^2/NDF: 377.4/58

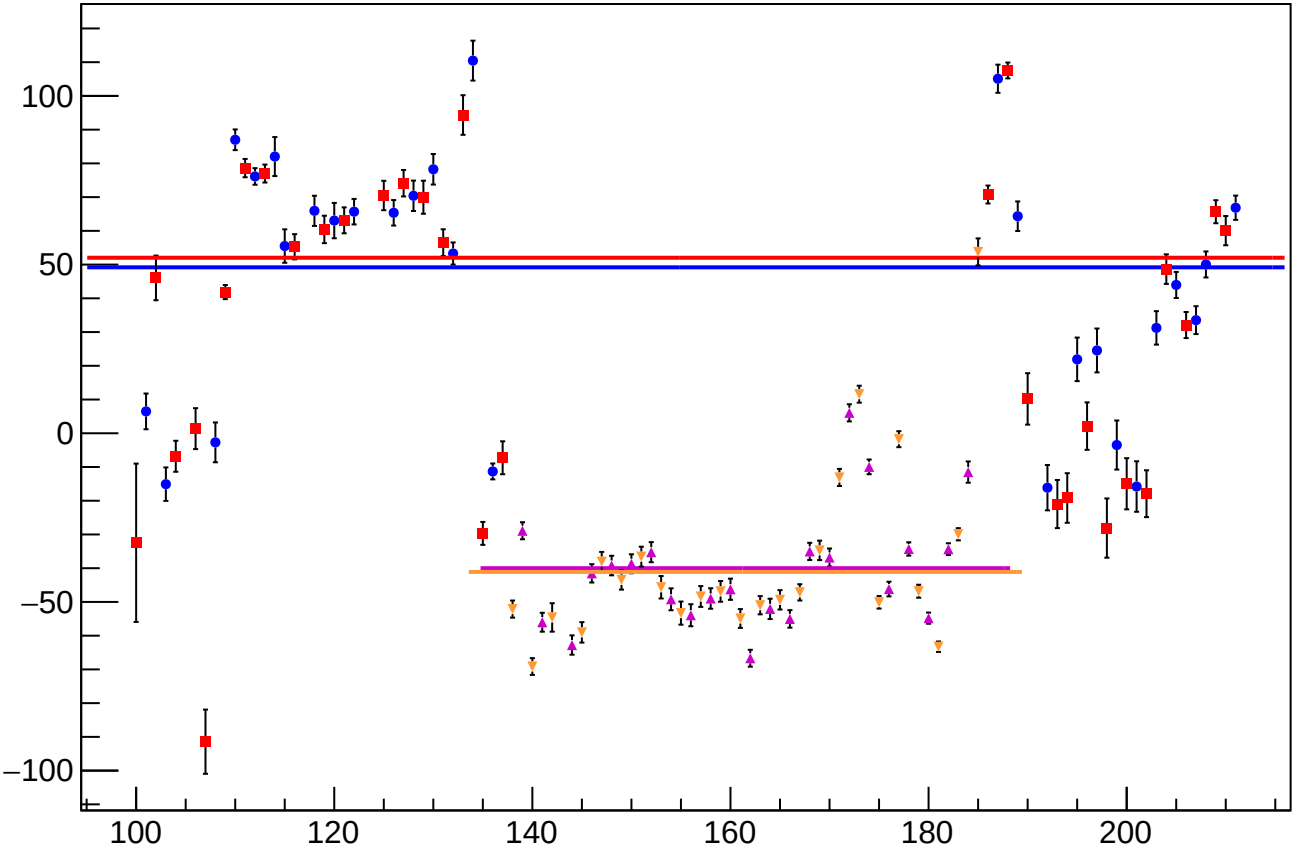
In: -2.101+/-0.319 χ^2/NDF:782.2/50

Out: -2.333+/-0.315 χ^2/NDF:979.4/54

All: -2.218+/-0.224 χ^2/NDF: 1761.8/105


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -19.033+/-0.033 χ²/NDF: 388034.4/27
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -19.358+/-0.033 χ²/NDF: 477913.8/30
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -19.194+/-0.023 χ²/NDF: 865997.3/58
In: -4.632+/-0.014 χ²/NDF:654912.8/50
Out: -4.669+/-0.014 χ²/NDF:747568.9/54
All: -4.651+/-0.010 χ²/NDF: 1402485.1/105

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.188+/-0.791 χ^2/NDF: 2005.1/27

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 52.031+/-0.725 χ^2/NDF: 2732.3/30

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

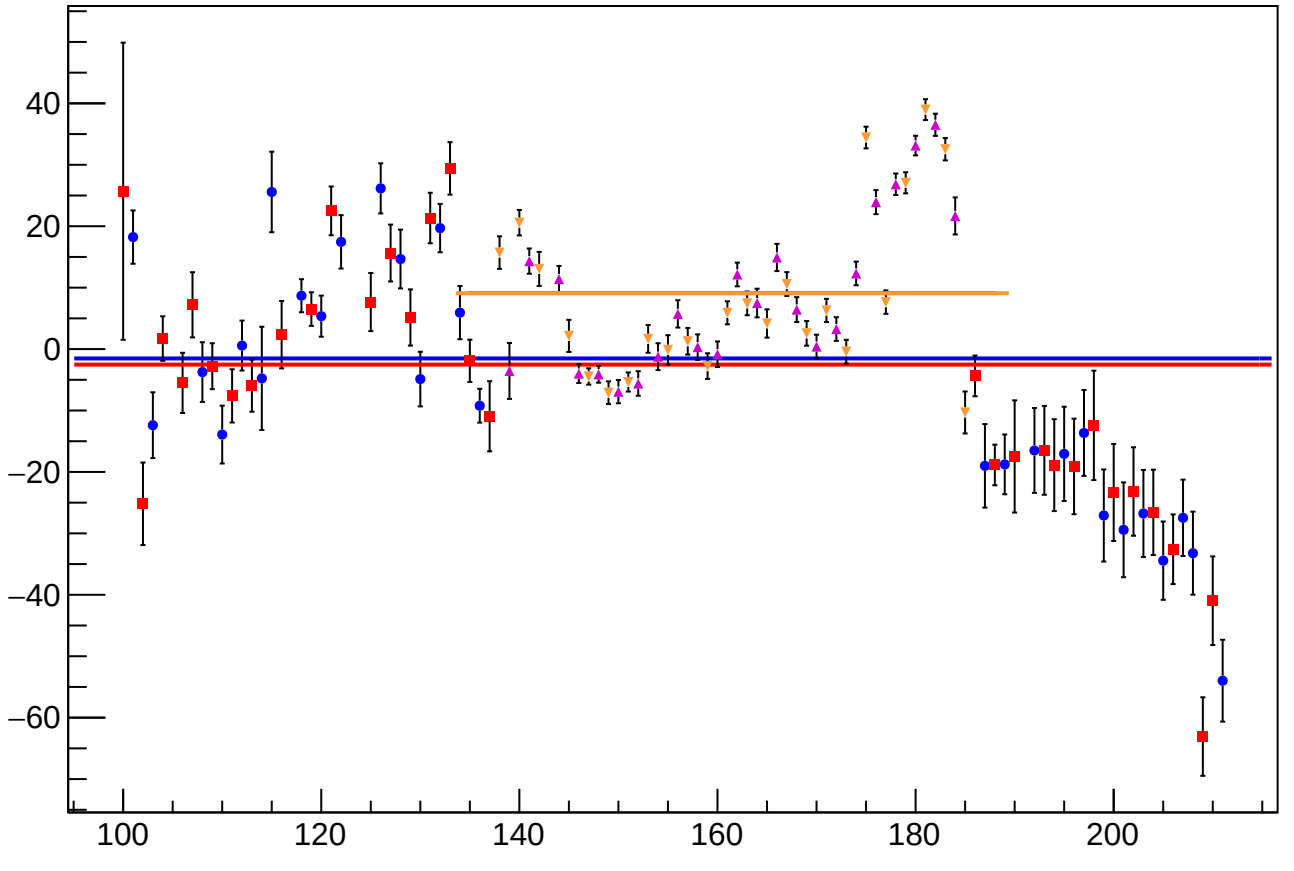
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 50.732+/-0.534 χ^2/NDF: 4744.5/58

In: -12.755+/-0.437 χ^2/NDF:11877.1/50

Out: -9.672+/-0.421 χ^2/NDF:15614.3/54

All: -11.157+/-0.303 χ^2/NDF: 27517.2/105



Right In: -1.523+/-0.902 χ^2/NDF: 381.6/27

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -2.526+/-0.861 χ^2/NDF: 401.1/30

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

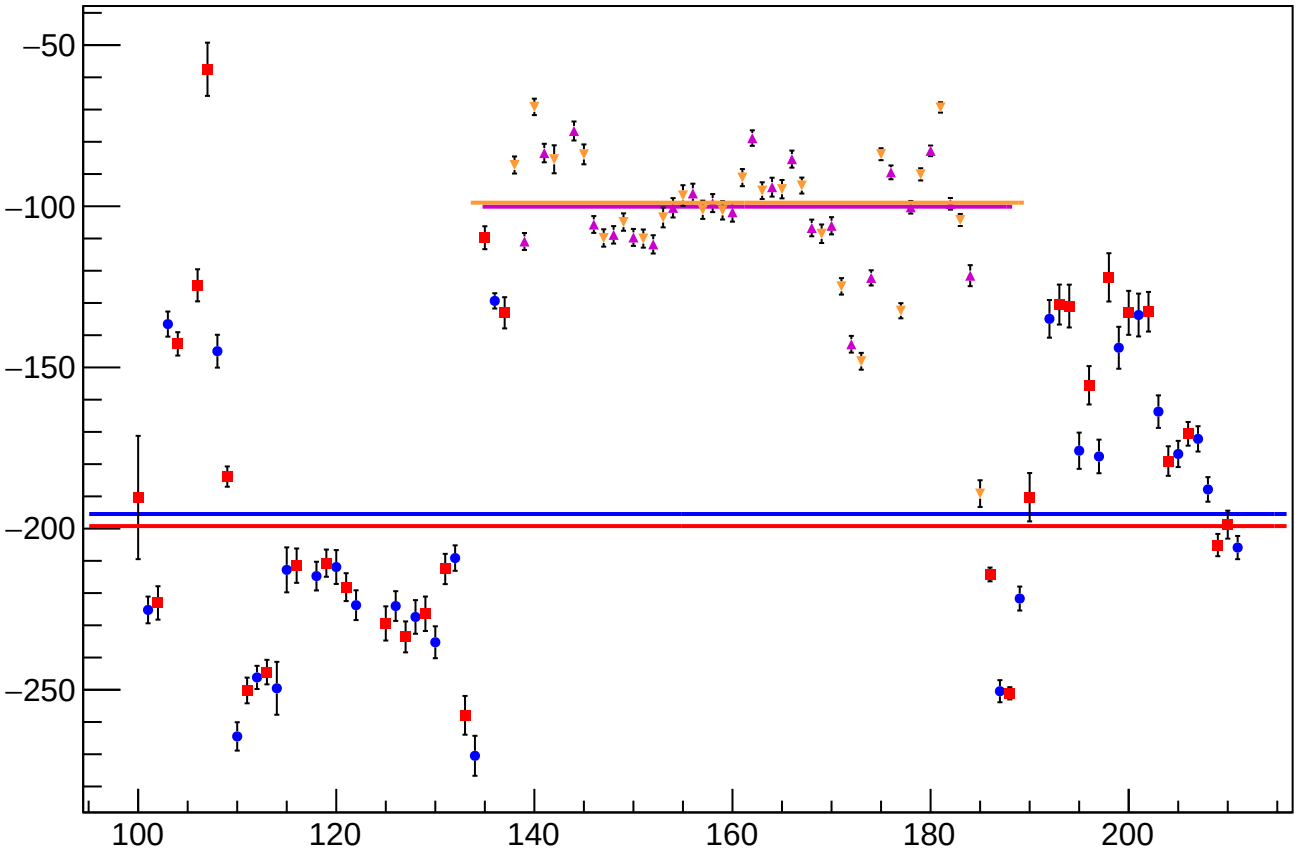
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

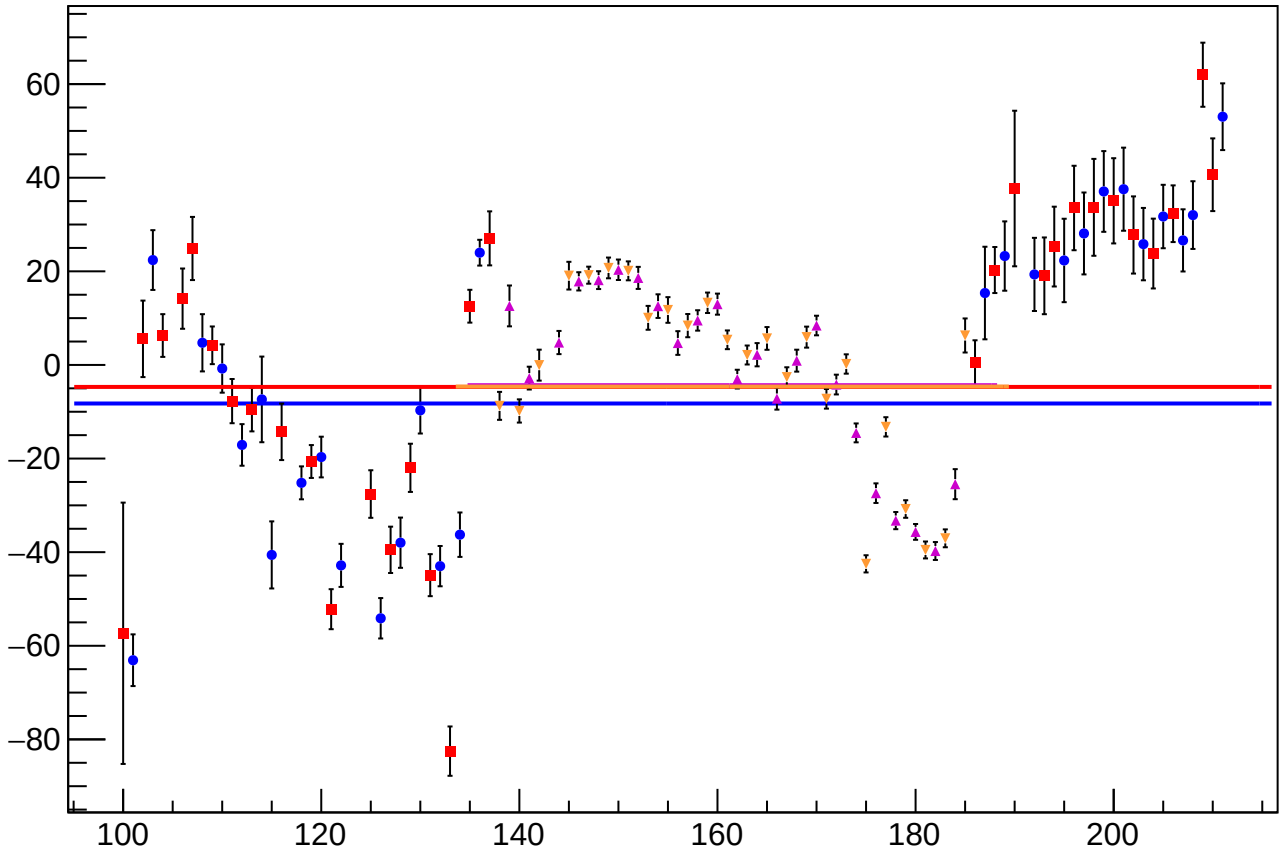
Right: -2.047+/-0.623 χ^2/NDF: 783.3/58

In: 7.304+/-0.372 χ^2/NDF:1549.0/50

Out: 7.022+/-0.364 χ^2/NDF:1804.3/54

All: 7.160+/-0.260 χ^2/NDF: 3353.7/105


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -195.470+/-0.827 χ²/NDF: 2706.4/27
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -199.218+/-0.751 χ²/NDF: 3660.6/30
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -197.524+/-0.556 χ²/NDF: 6378.3/58
In: -127.170+/-0.440 χ²/NDF:13062.2/50
Out: -130.917+/-0.424 χ²/NDF:17644.2/54
All: -129.113+/-0.305 χ²/NDF: 30743.9/105



Right In: -8.238+/-1.031 χ^2/NDF: 925.9/27

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -4.696+/-1.006 χ^2/NDF: 926.7/30

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

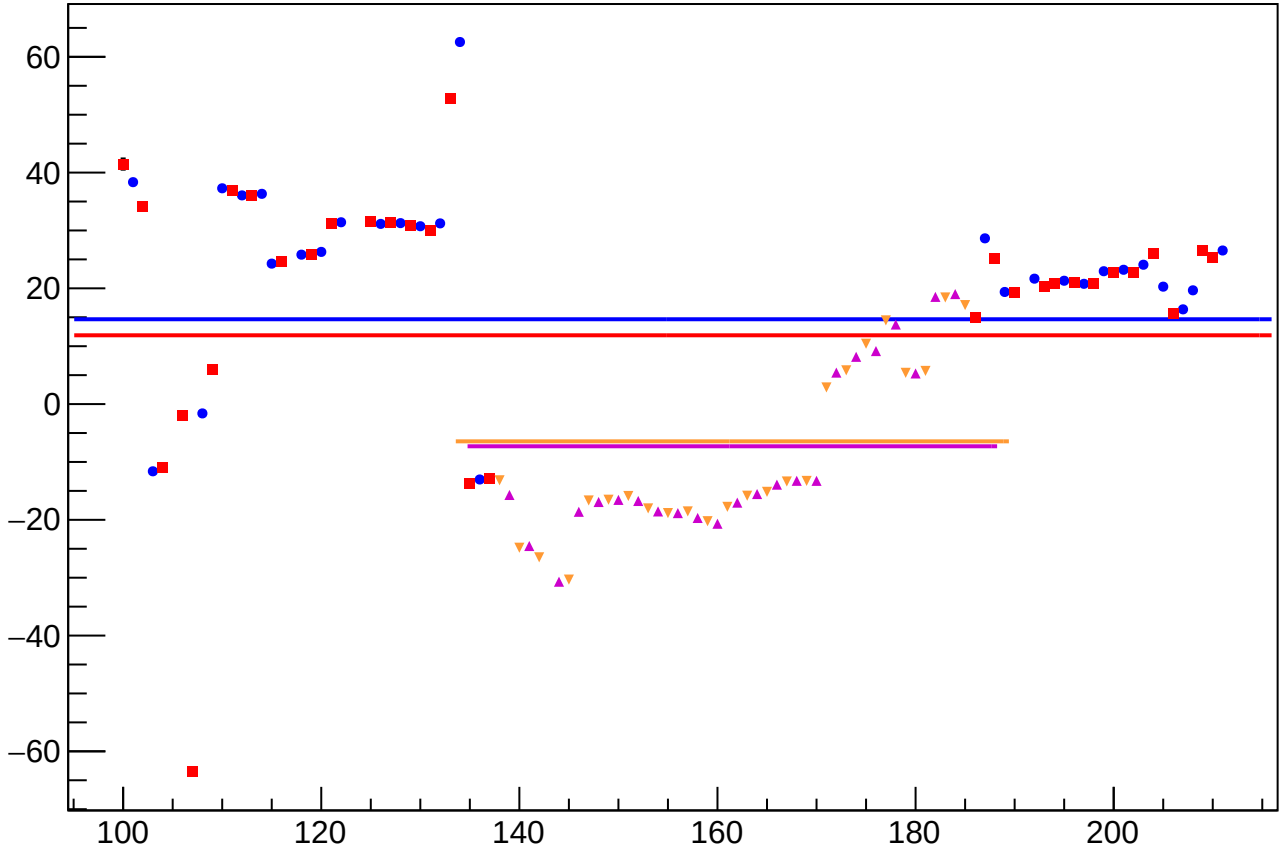
Right: -6.423+/-0.720 χ^2/NDF: 1858.7/58

In: -4.974+/-0.419 χ^2/NDF:2792.1/50

Out: -4.631+/-0.412 χ^2/NDF:3005.0/54

All: -4.800+/-0.294 χ^2/NDF: 5797.5/105

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.657+/-0.050 χ^2/NDF: 176776.2/27

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.886+/-0.049 χ^2/NDF: 181602.2/30

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

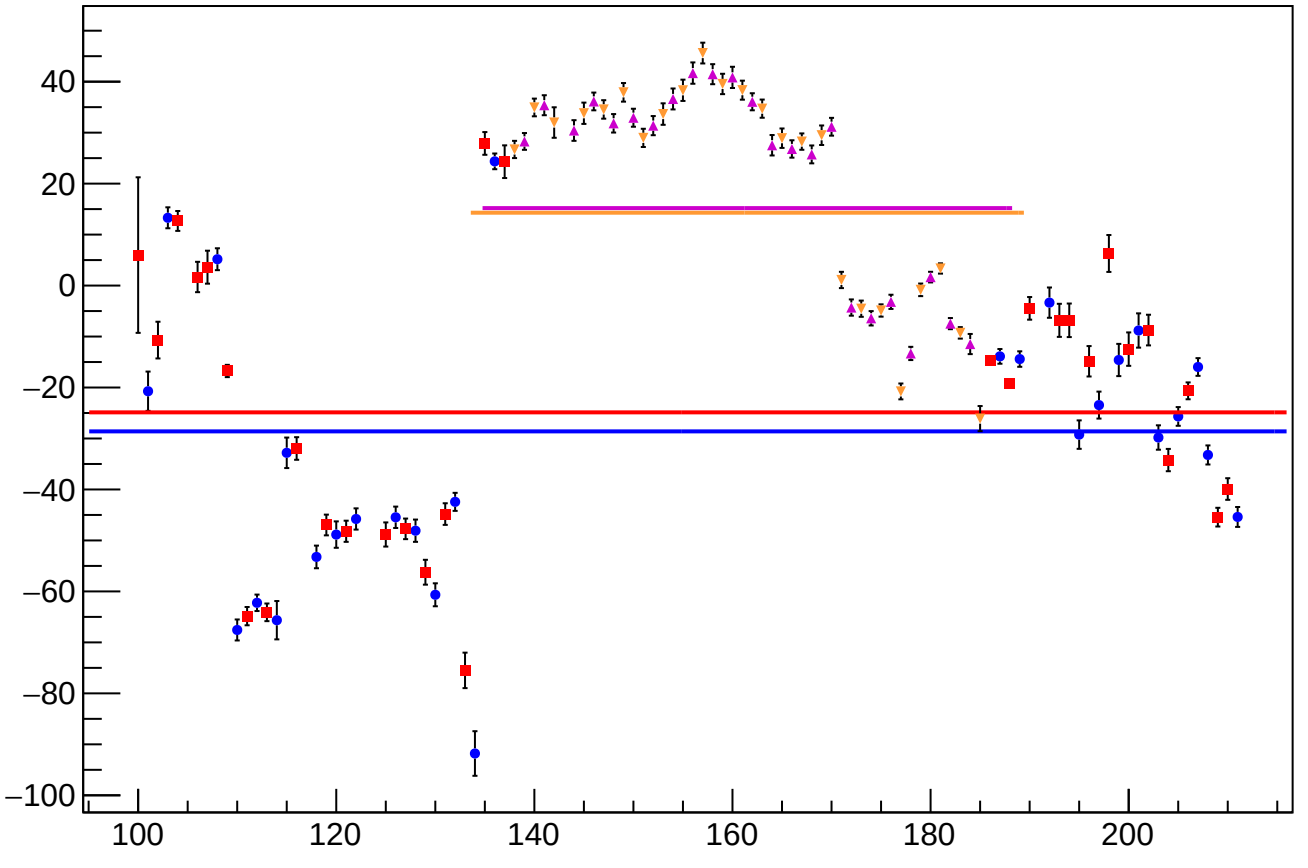
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 13.254+/-0.035 χ^2/NDF: 359925.0/58

In: -4.200+/-0.019 χ^2/NDF:829712.2/50

Out: -3.822+/-0.019 χ^2/NDF:795815.4/54

All: -4.010+/-0.013 χ^2/NDF: 1625730.3/105



Right In: -28.605+/-0.403 χ^2/NDF: 4066.4/27

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -24.874+/-0.350 χ^2/NDF: 3987.5/30

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

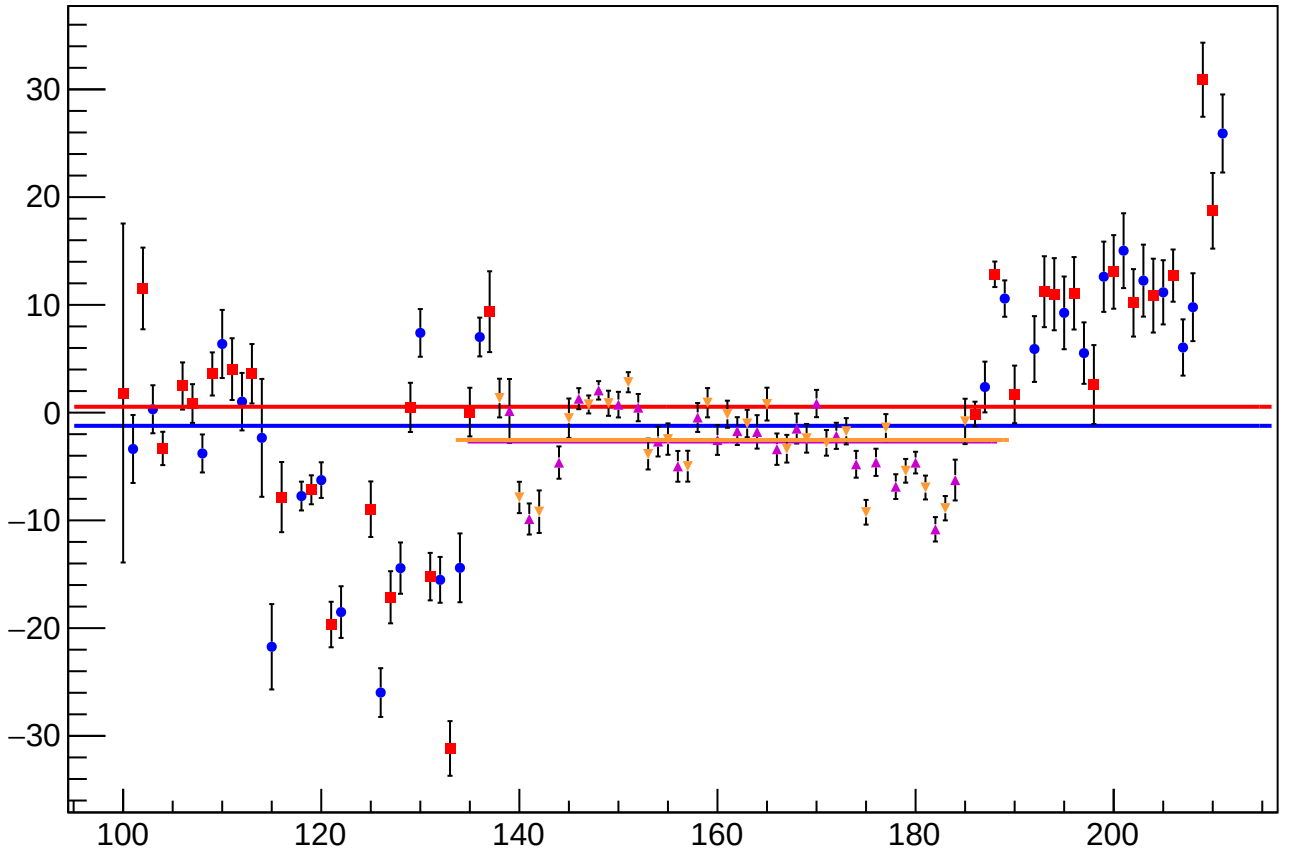
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -26.479+/-0.264 χ^2/NDF: 8102.9/58

In: -3.006+/-0.259 χ^2/NDF:14392.5/50

Out: -4.458+/-0.242 χ^2/NDF:14251.2/54

All: -3.783+/-0.177 χ^2/NDF: 28660.4/105



Right In: -1.225+/-0.456 χ^2/NDF: 591.7/27

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.544+/-0.405 χ^2/NDF: 732.1/30

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

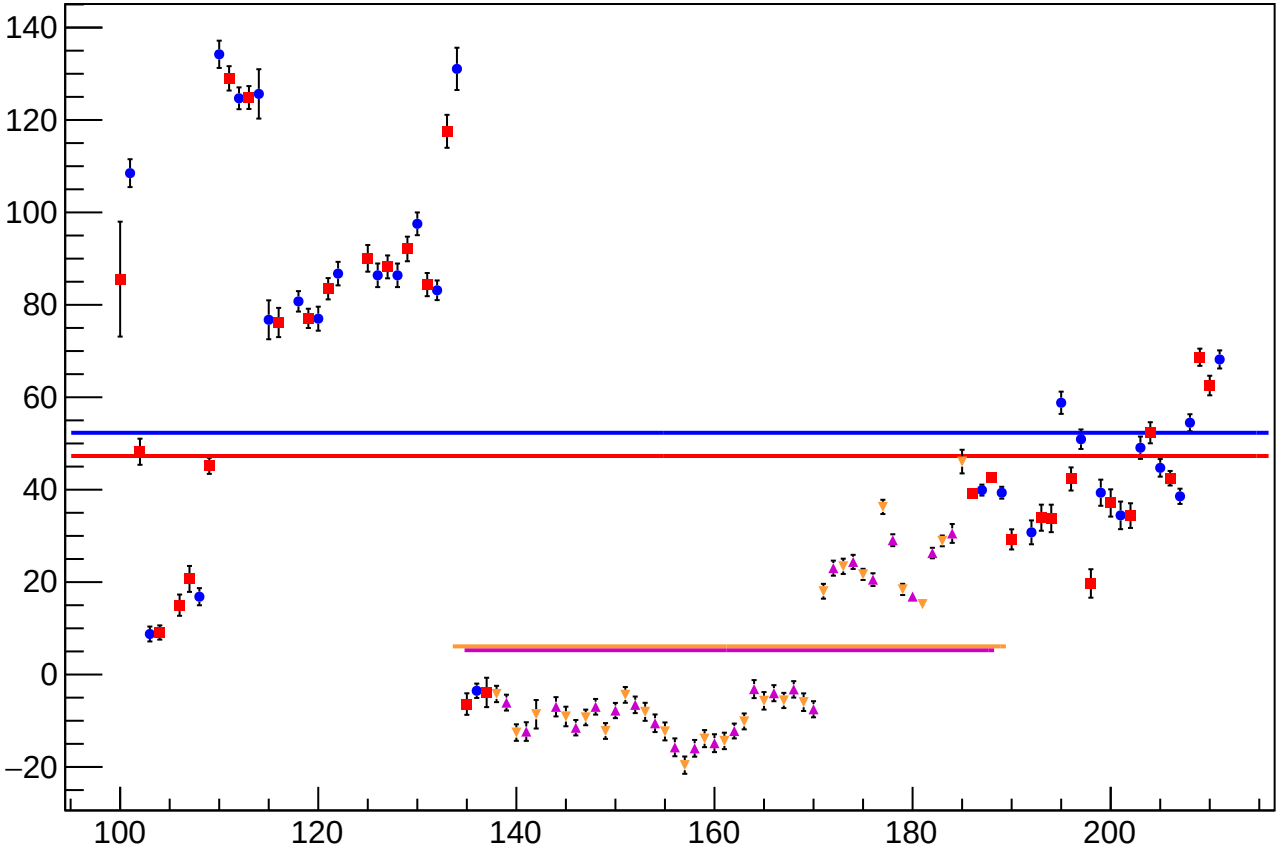
Right: -0.237+/-0.303 χ^2/NDF: 1332.2/58

In: -2.313+/-0.229 χ^2/NDF:781.4/50

Out: -1.643+/-0.218 χ^2/NDF:971.6/54

All: -1.962+/-0.158 χ^2/NDF: 1757.5/105

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.315+/-0.398 χ^2/NDF: 6799.3/27

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.290+/-0.333 χ^2/NDF: 6153.3/30

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

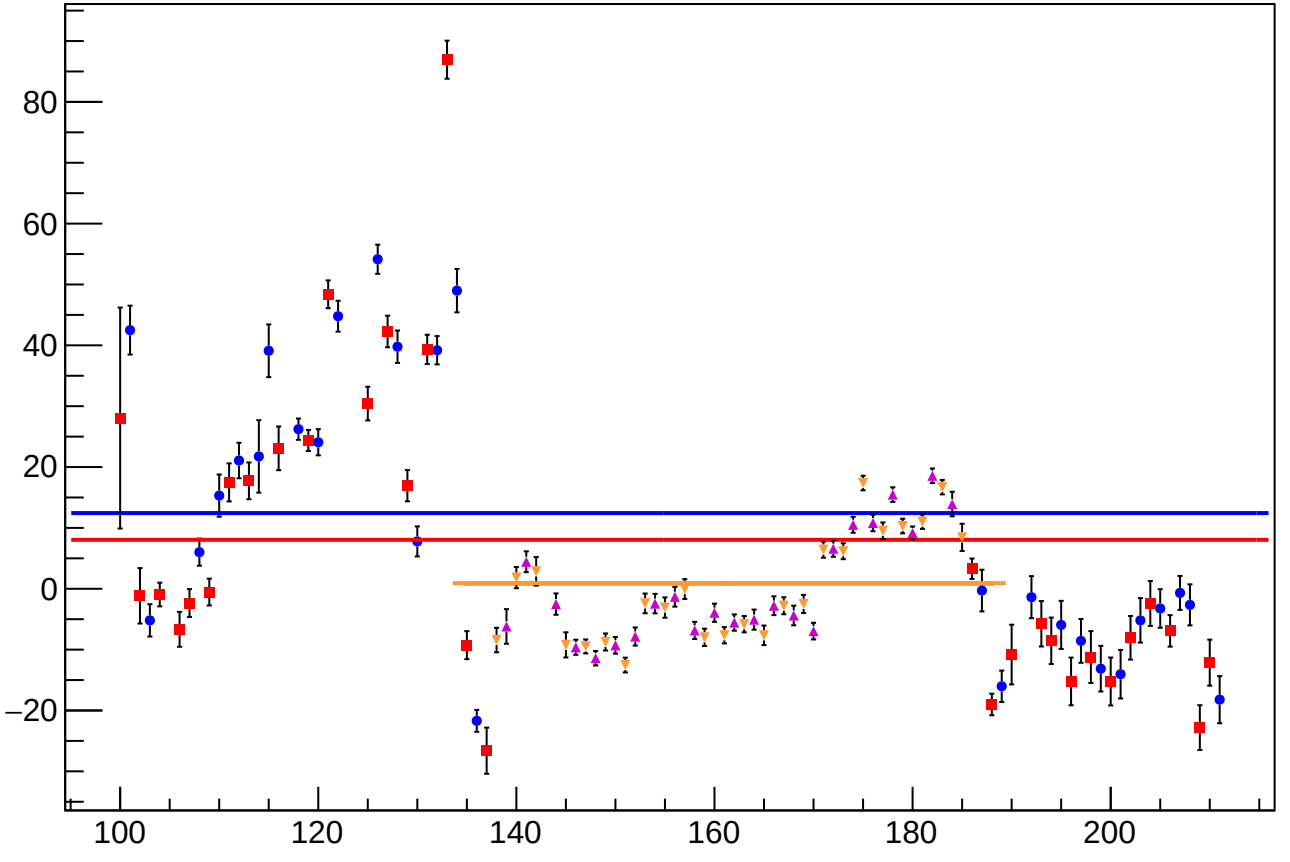
Right: 49.361+/-0.256 χ^2/NDF: 13046.2/58

In: 24.870+/-0.257 χ^2/NDF:17392.6/50

Out: 26.655+/-0.236 χ^2/NDF:16571.4/54

All: 25.840+/-0.174 χ^2/NDF: 33990.2/105

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.438+/-0.535 χ^2/NDF: 1871.4/27

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 8.045+/-0.494 χ^2/NDF: 2267.5/30

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

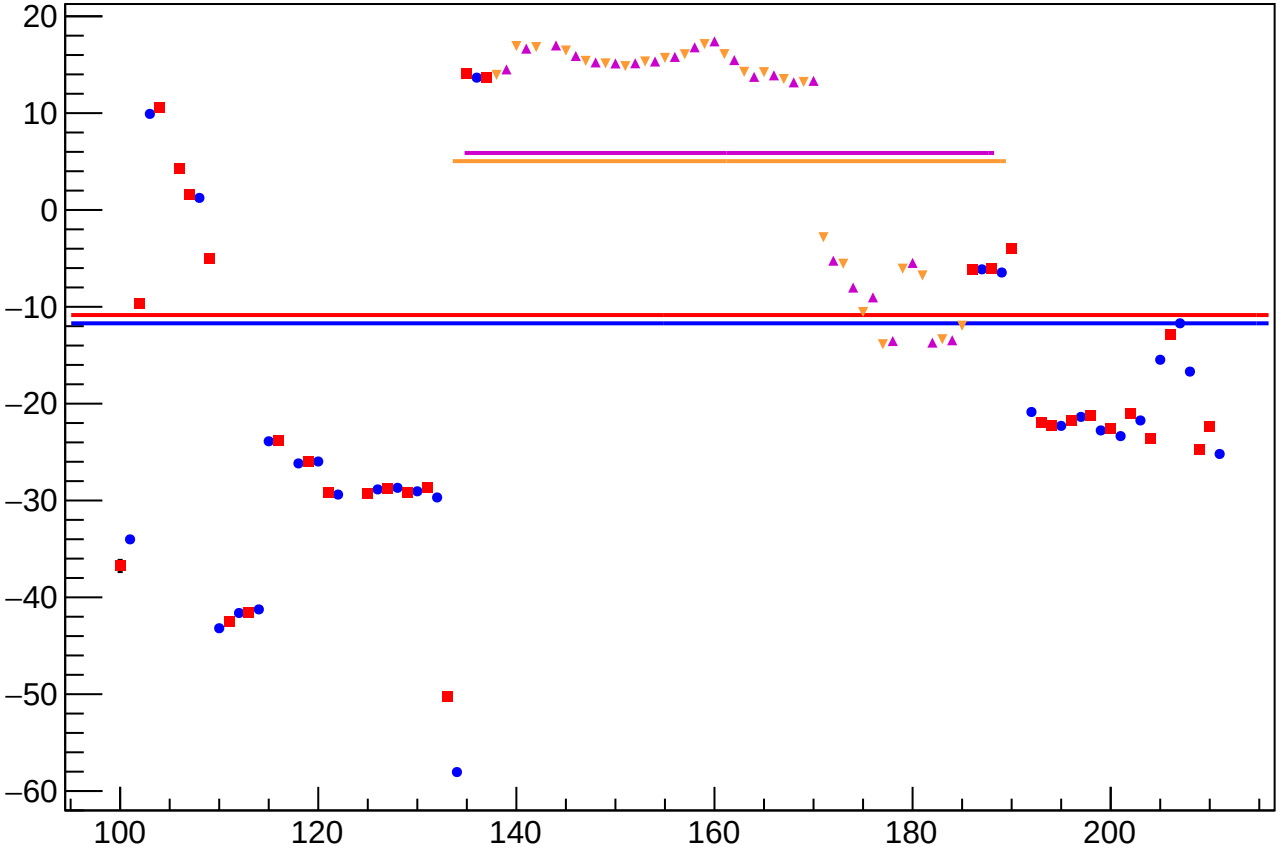
Right: 10.064+/-0.363 χ^2/NDF: 4175.4/58

In: 3.604+/-0.260 χ^2/NDF:3234.0/50

Out: 2.772+/-0.251 χ^2/NDF:3463.2/54

All: 3.174+/-0.181 χ^2/NDF: 6702.5/105

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.704+/-0.025 χ^2/NDF: 495126.5/27

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.851+/-0.024 χ^2/NDF: 418854.6/30

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

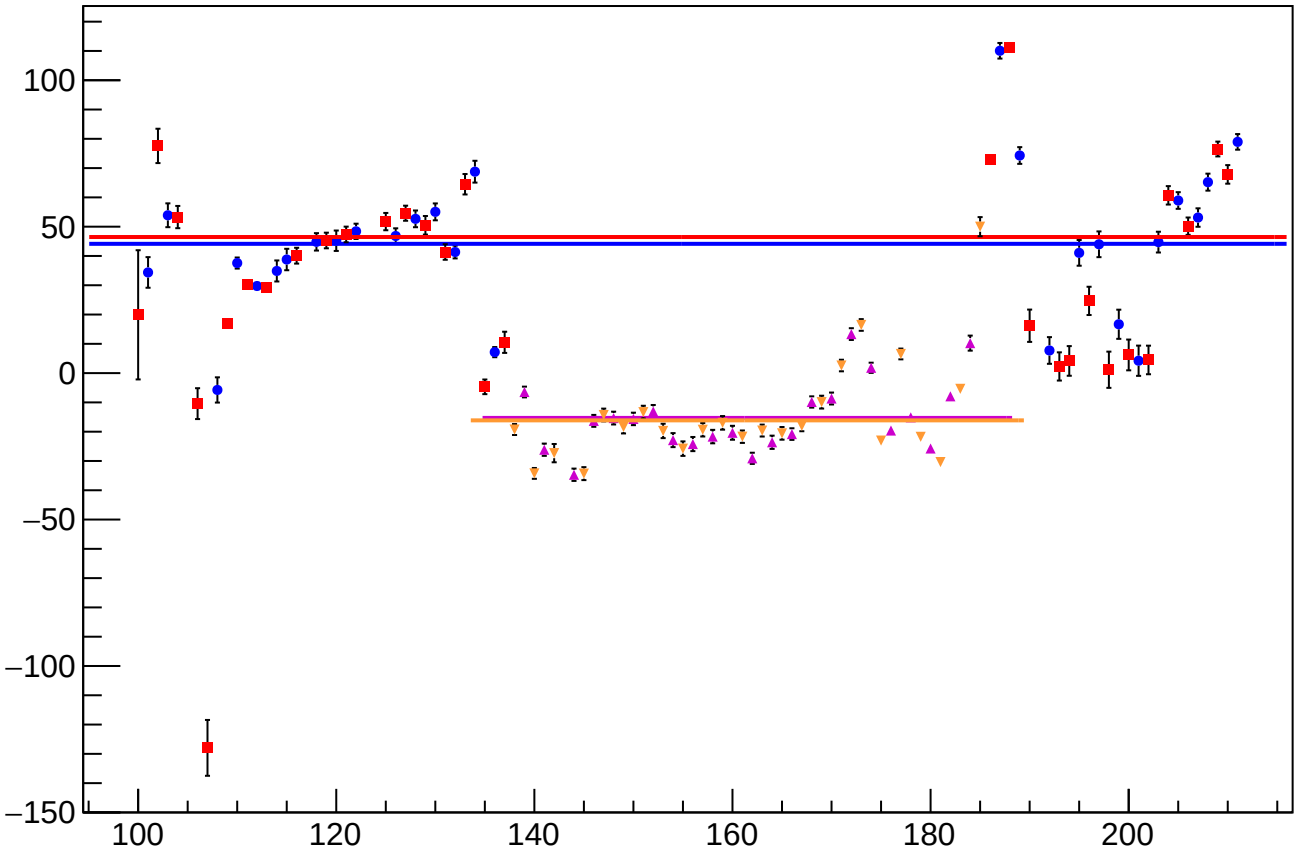
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.263+/-0.017 χ^2/NDF: 914607.0/58

In: 1.958+/-0.012 χ^2/NDF:1741231.1/50

Out: 1.340+/-0.011 χ^2/NDF:1619294.4/54

All: 1.645+/-0.008 χ^2/NDF: 3361966.9/105



Right In: 44.144+/-0.544 χ^2/NDF: 1908.2/27

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.468+/-0.498 χ^2/NDF: 4293.3/30

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

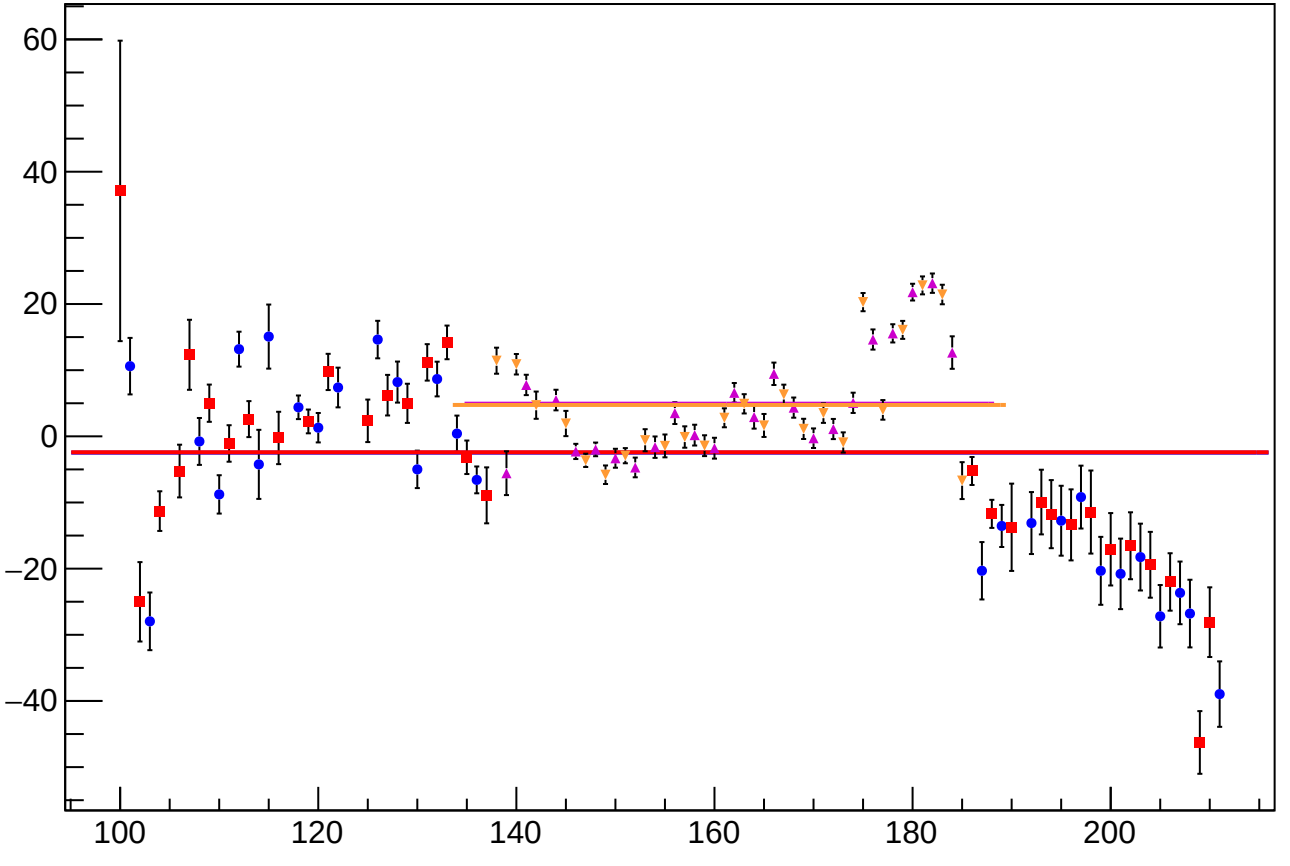
Right: 45.407+/-0.368 χ^2/NDF: 6211.5/58

In: 5.772+/-0.324 χ^2/NDF:10371.2/50

Out: 8.234+/-0.311 χ^2/NDF:15292.3/54

All: 7.054+/-0.224 χ^2/NDF: 25693.6/105

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.465+/-0.621 χ^2/NDF: 395.7/27

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.409+/-0.597 χ^2/NDF: 349.8/30

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

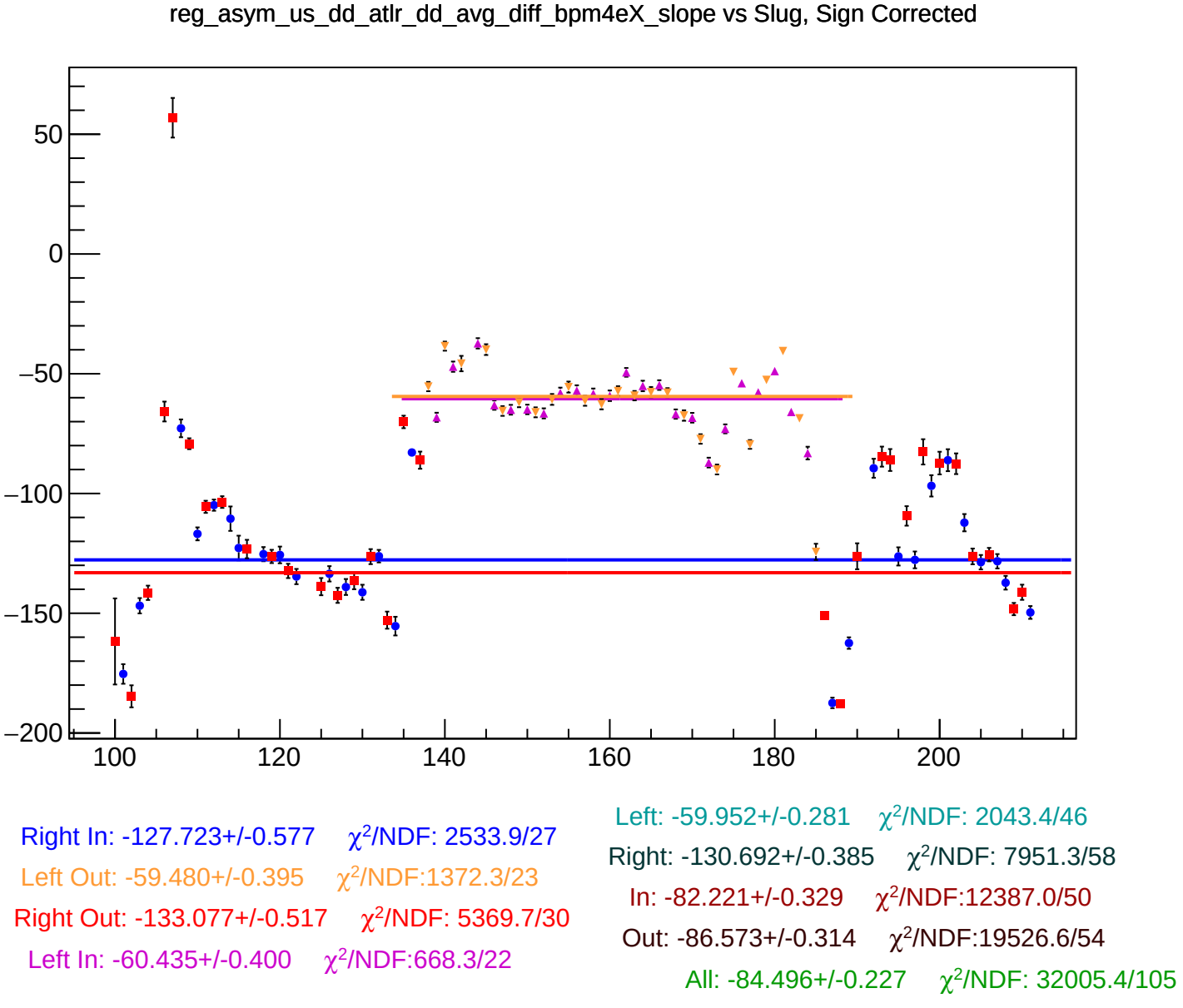
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

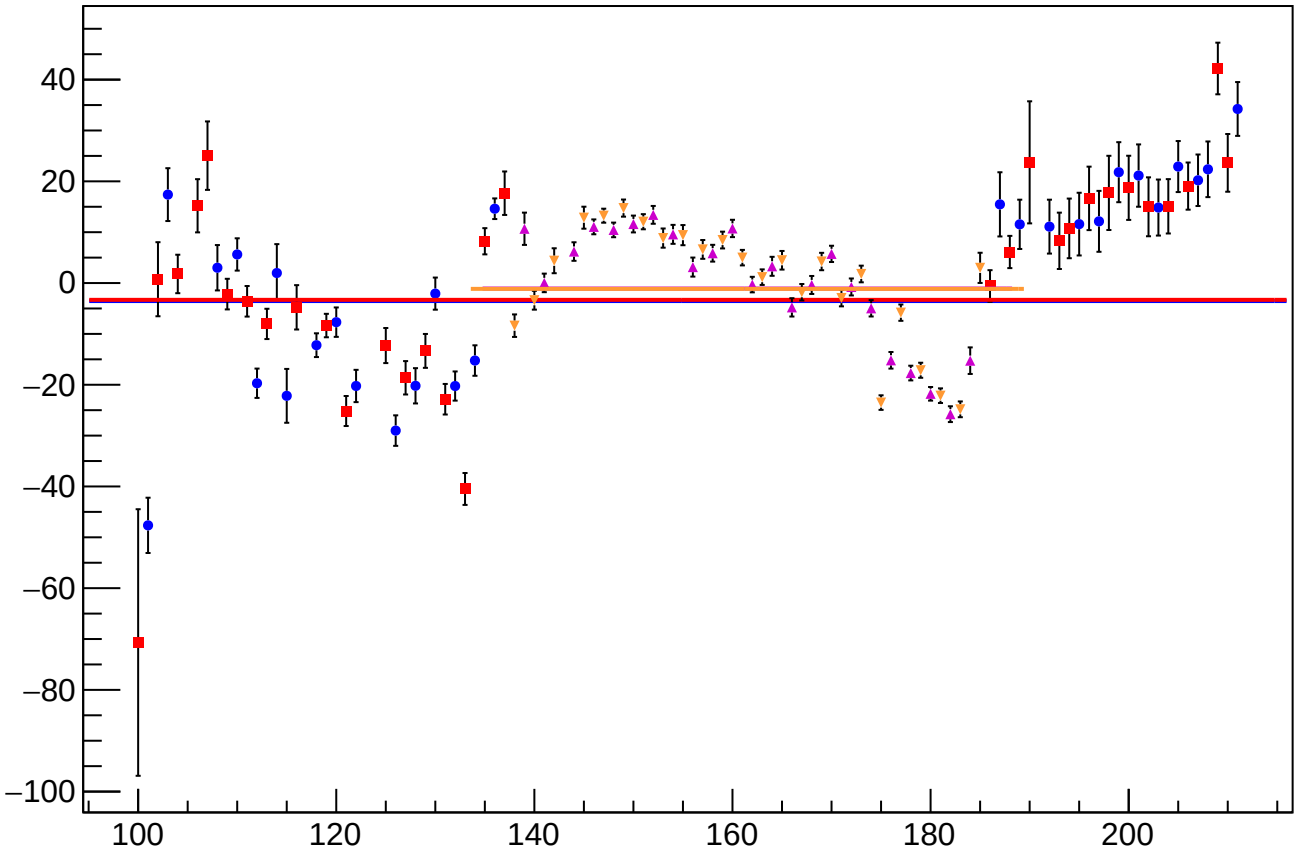
Right: -2.436+/-0.430 χ^2/NDF: 745.5/58

In: 3.437+/-0.280 χ^2/NDF:1197.3/50

Out: 3.251+/-0.273 χ^2/NDF:1257.3/54

All: 3.342+/-0.195 χ^2/NDF: 2454.7/105


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -127.723+/-0.577 χ²/NDF: 2533.9/27
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -133.077+/-0.517 χ²/NDF: 5369.7/30
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -130.692+/-0.385 χ²/NDF: 7951.3/58
In: -82.221+/-0.329 χ²/NDF:12387.0/50
Out: -86.573+/-0.314 χ²/NDF:19526.6/54
All: -84.496+/-0.227 χ²/NDF: 32005.4/105



Right In: -3.542+/-0.712 χ^2/NDF: 613.6/27

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -3.303+/-0.699 χ^2/NDF: 569.5/30

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

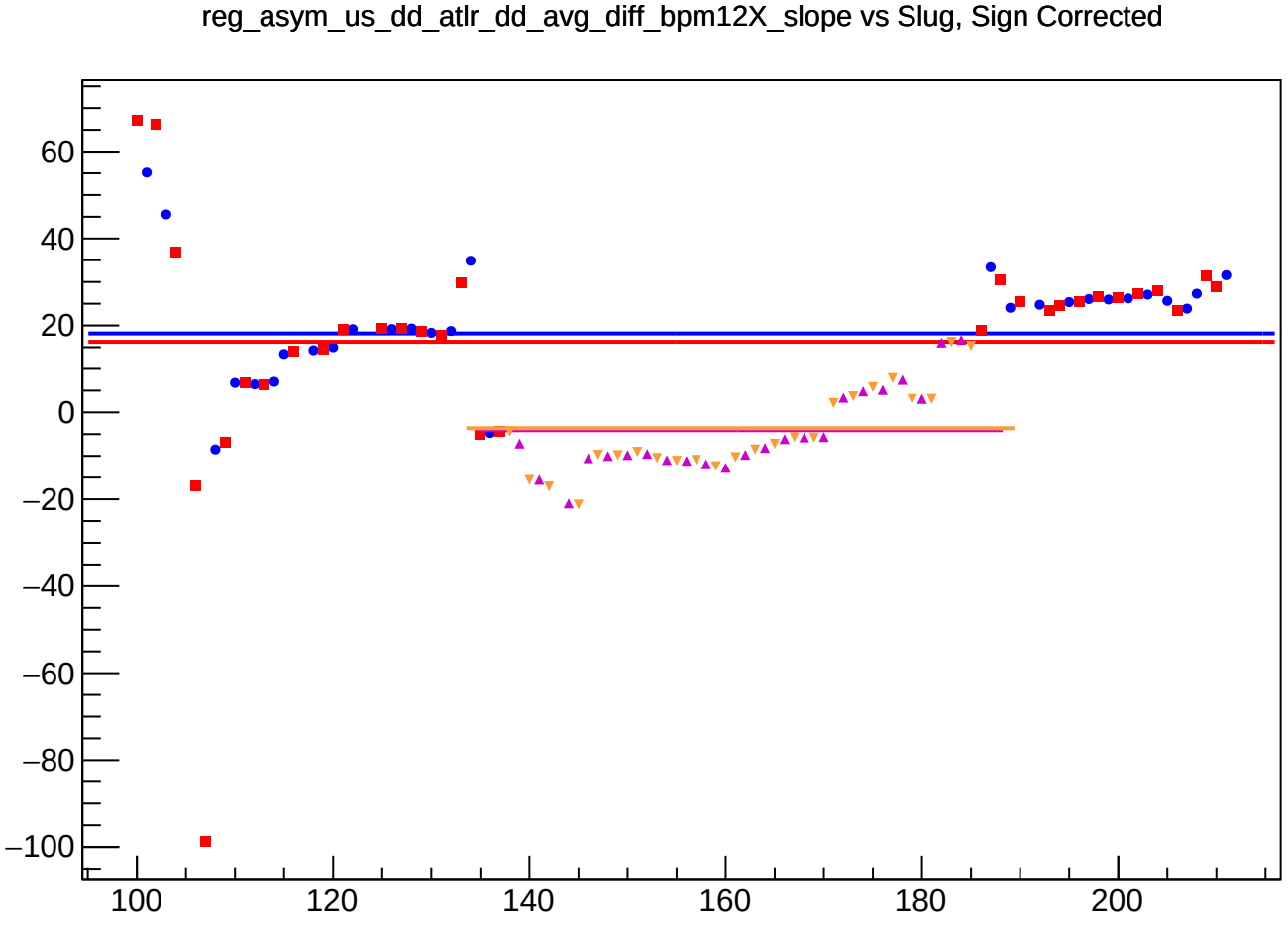
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -3.420+/-0.499 χ^2/NDF: 1183.2/58

In: -1.565+/-0.315 χ^2/NDF:1780.6/50

Out: -1.568+/-0.310 χ^2/NDF:1880.1/54

All: -1.566+/-0.221 χ^2/NDF: 3660.7/105



Right In: 18.166+/-0.036 χ^2/NDF: 214523.8/27

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.243+/-0.036 χ^2/NDF: 349993.1/30

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

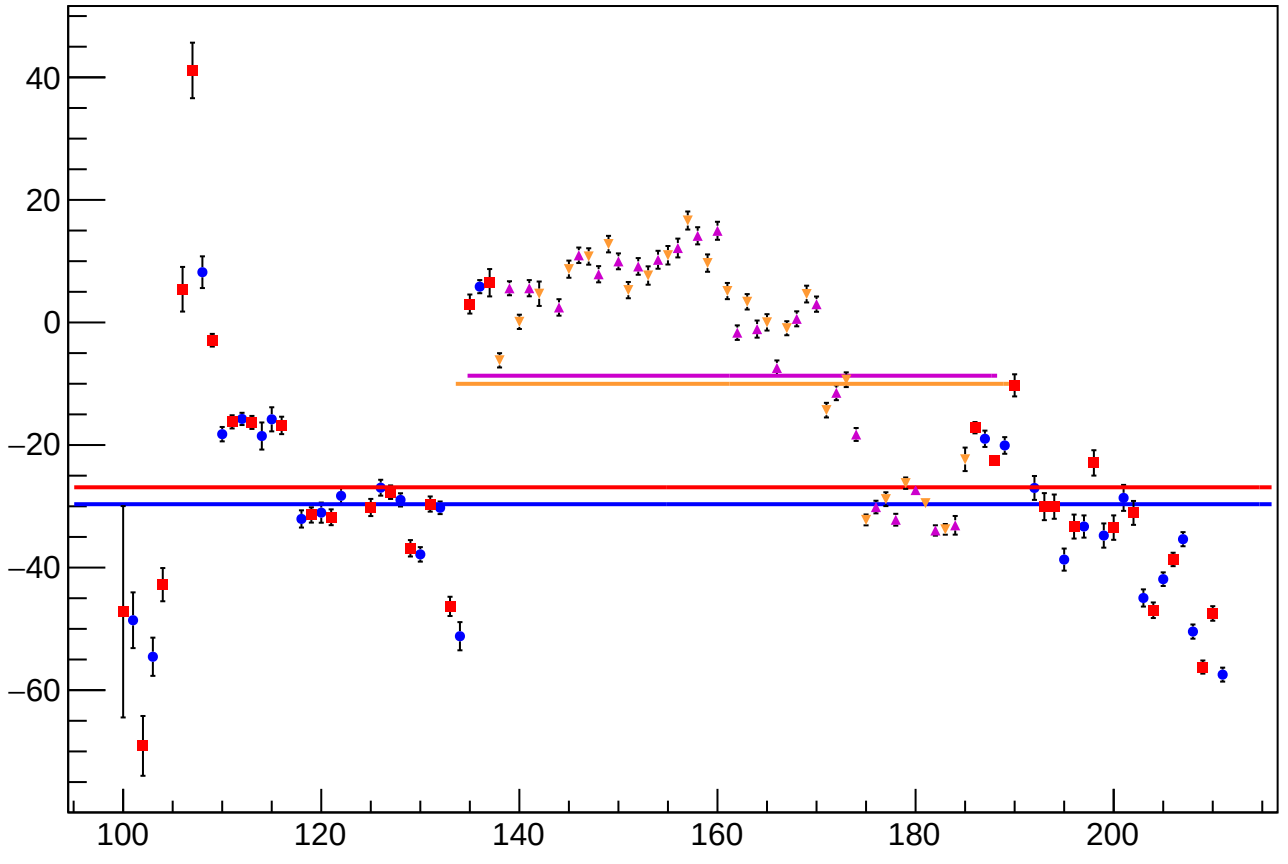
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.207+/-0.025 χ^2/NDF: 565951.1/58

In: -0.574+/-0.014 χ^2/NDF:872303.0/50

Out: -0.535+/-0.014 χ^2/NDF:954307.6/54

All: -0.555+/-0.010 χ^2/NDF: 1826614.4/105



Right In: -29.657+/-0.265 χ^2/NDF: 3233.0/27

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -26.897+/-0.250 χ^2/NDF: 3719.9/30

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

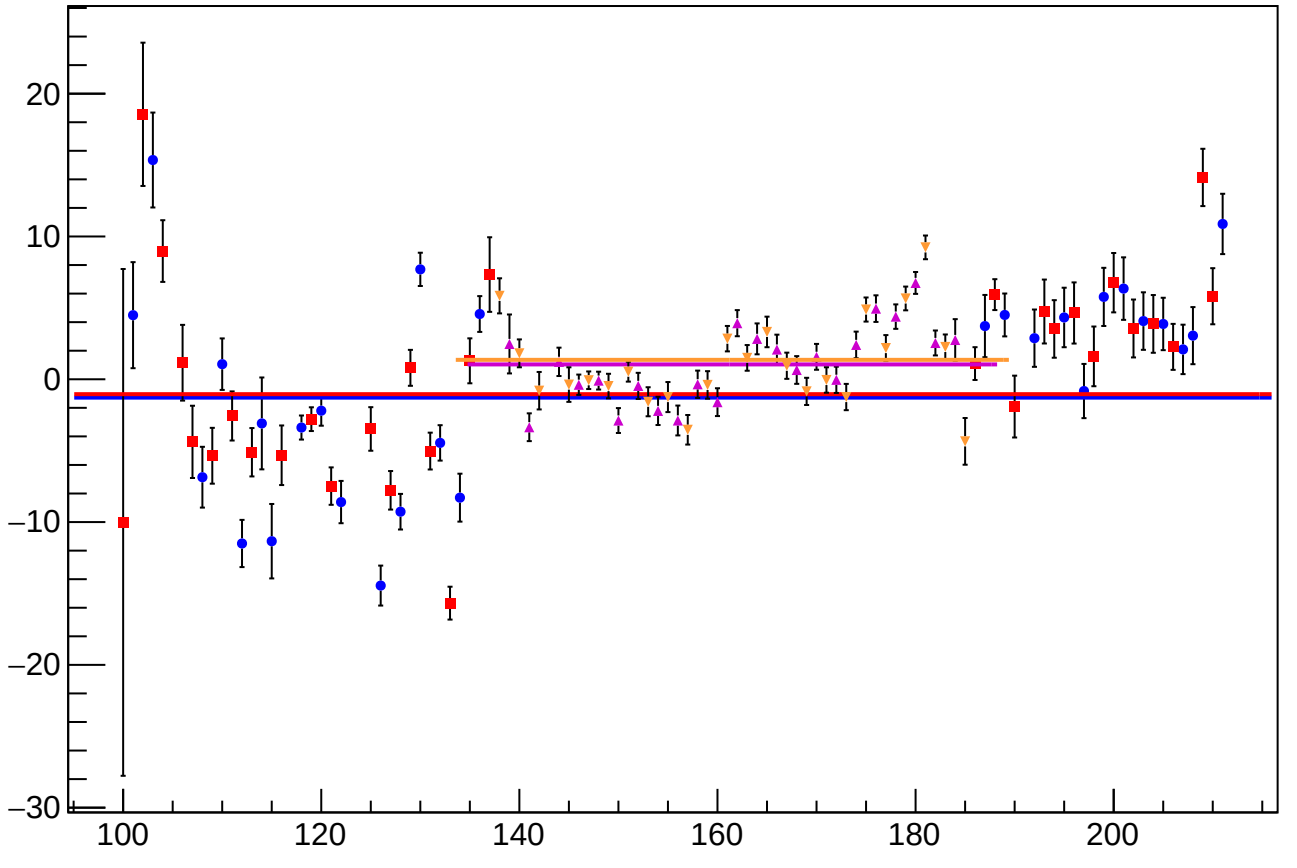
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -28.196+/-0.182 χ^2/NDF: 7010.1/58

In: -18.446+/-0.181 χ^2/NDF:11589.9/50

Out: -18.251+/-0.175 χ^2/NDF:11027.3/54

All: -18.345+/-0.126 χ^2/NDF: 22617.8/105



Right In: -1.284+/-0.304 χ^2/NDF: 468.1/27

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.043+/-0.293 χ^2/NDF: 461.4/30

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

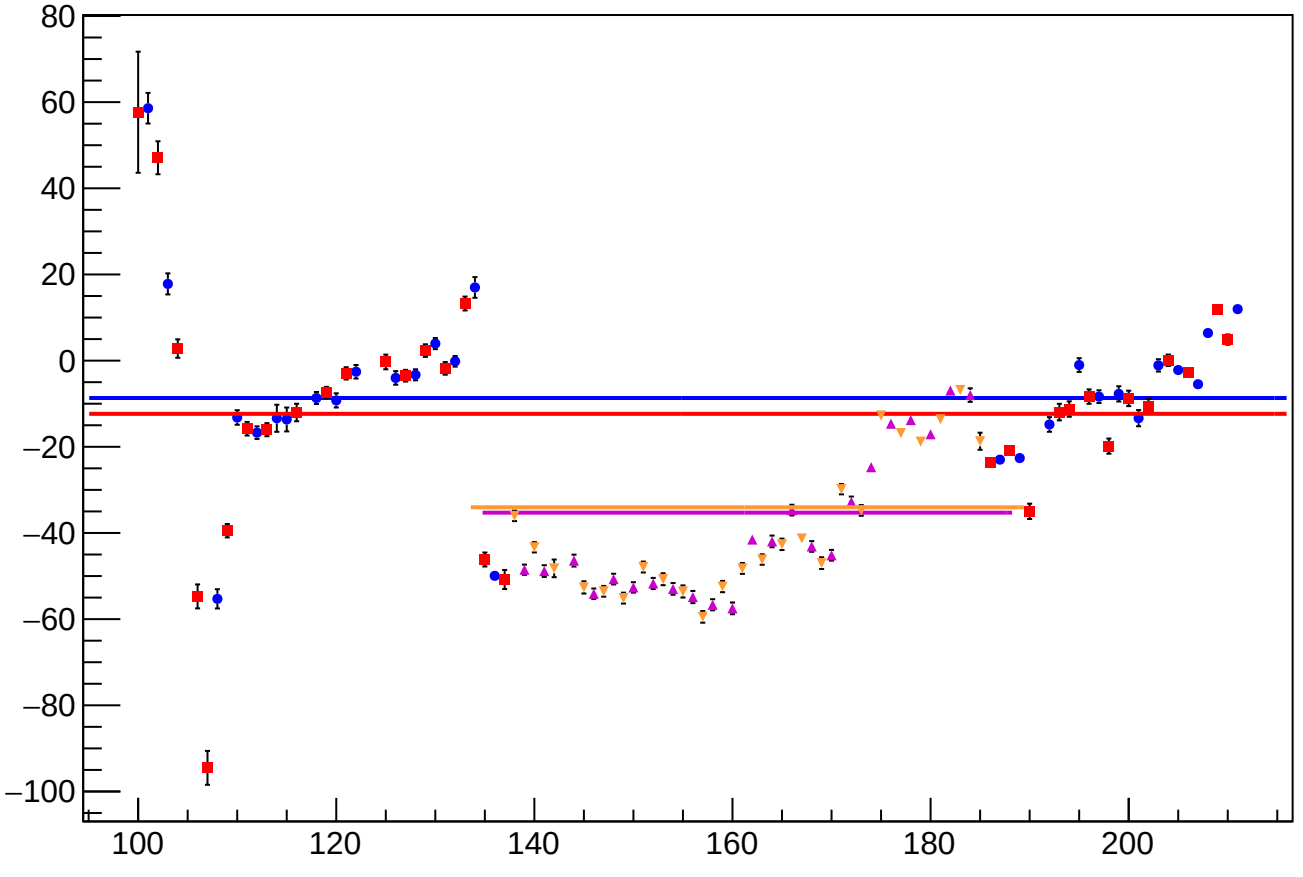
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.159+/-0.211 χ^2/NDF: 929.8/58

In: 0.376+/-0.163 χ^2/NDF:705.9/50

Out: 0.660+/-0.158 χ^2/NDF:749.3/54

All: 0.522+/-0.113 χ^2/NDF: 1456.7/105



Right In: -8.671+/-0.277 χ^2/NDF: 3629.5/27

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -12.345+/-0.254 χ^2/NDF: 4087.6/30

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

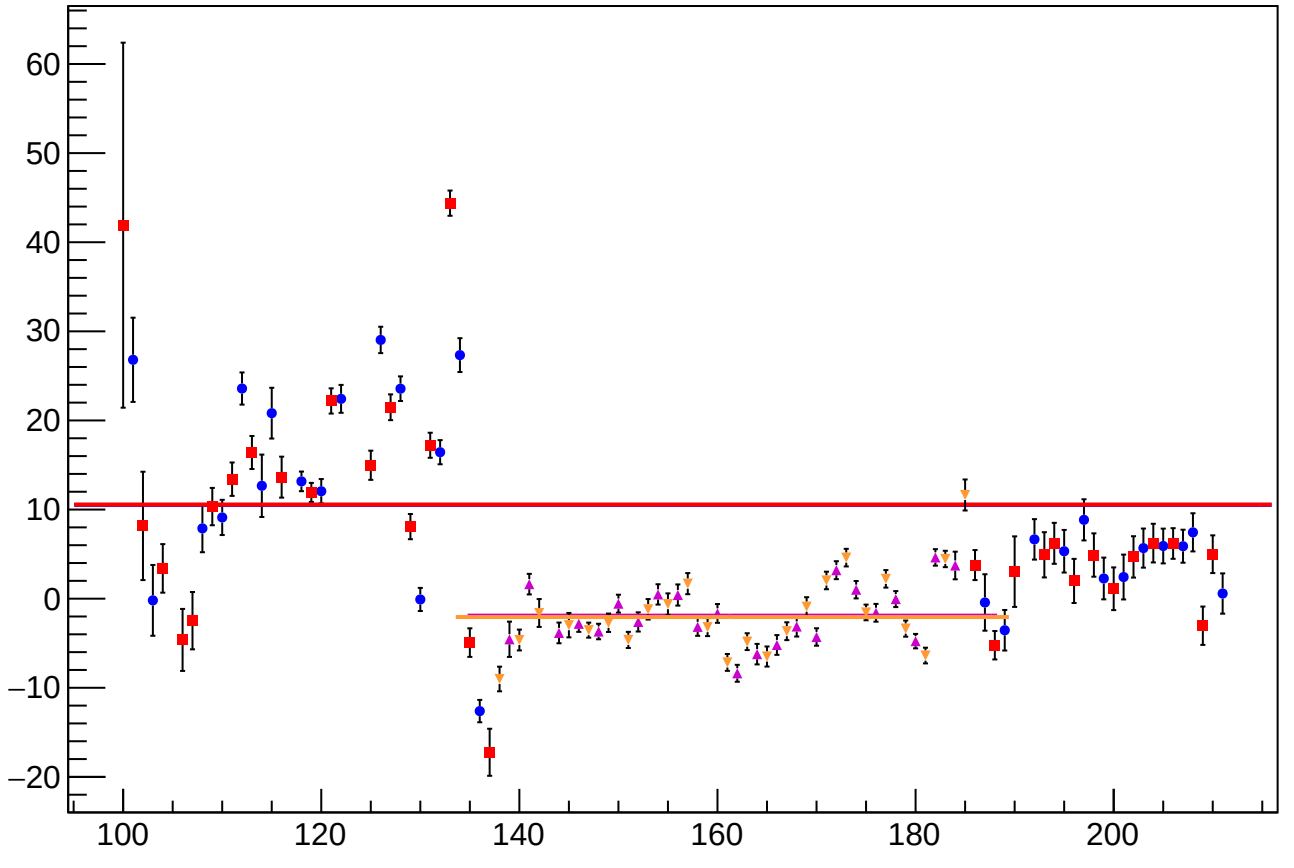
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

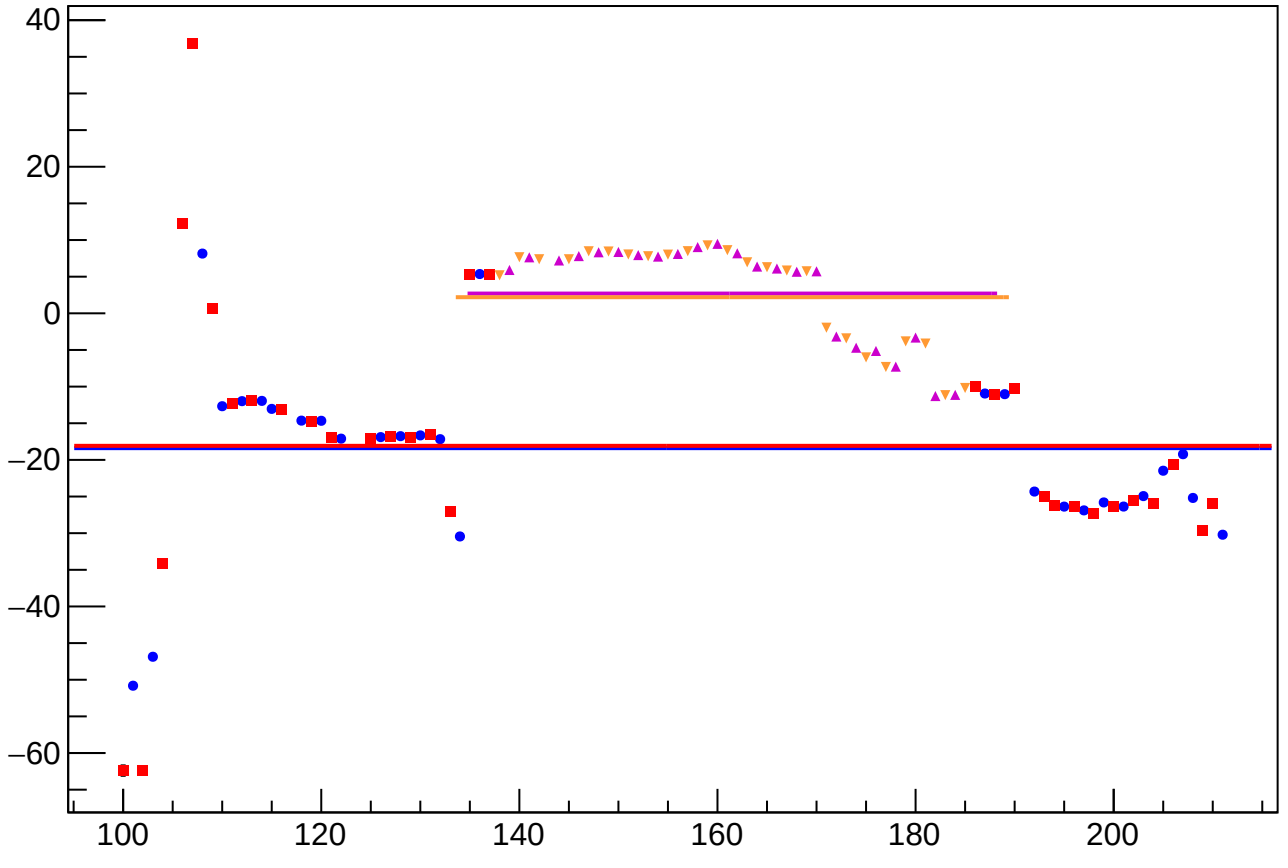
Right: -10.670+/-0.187 χ^2/NDF: 7812.7/58

In: -23.581+/-0.184 χ^2/NDF:13798.9/50

Out: -23.673+/-0.175 χ^2/NDF:12874.6/54

All: -23.629+/-0.127 χ^2/NDF: 26673.6/105


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 10.526+/-0.350 χ²/NDF: 1020.3/27
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 10.557+/-0.344 χ²/NDF: 1215.9/30
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 10.542+/-0.245 χ²/NDF: 2236.2/58
In: 1.533+/-0.184 χ²/NDF:2156.9/50
Out: 1.414+/-0.181 χ²/NDF:2521.9/54
All: 1.472+/-0.129 χ²/NDF: 4679.0/105



Right In: -18.398+/-0.017 χ^2/NDF: 518401.3/27

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.082+/-0.017 χ^2/NDF: 604542.7/30

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

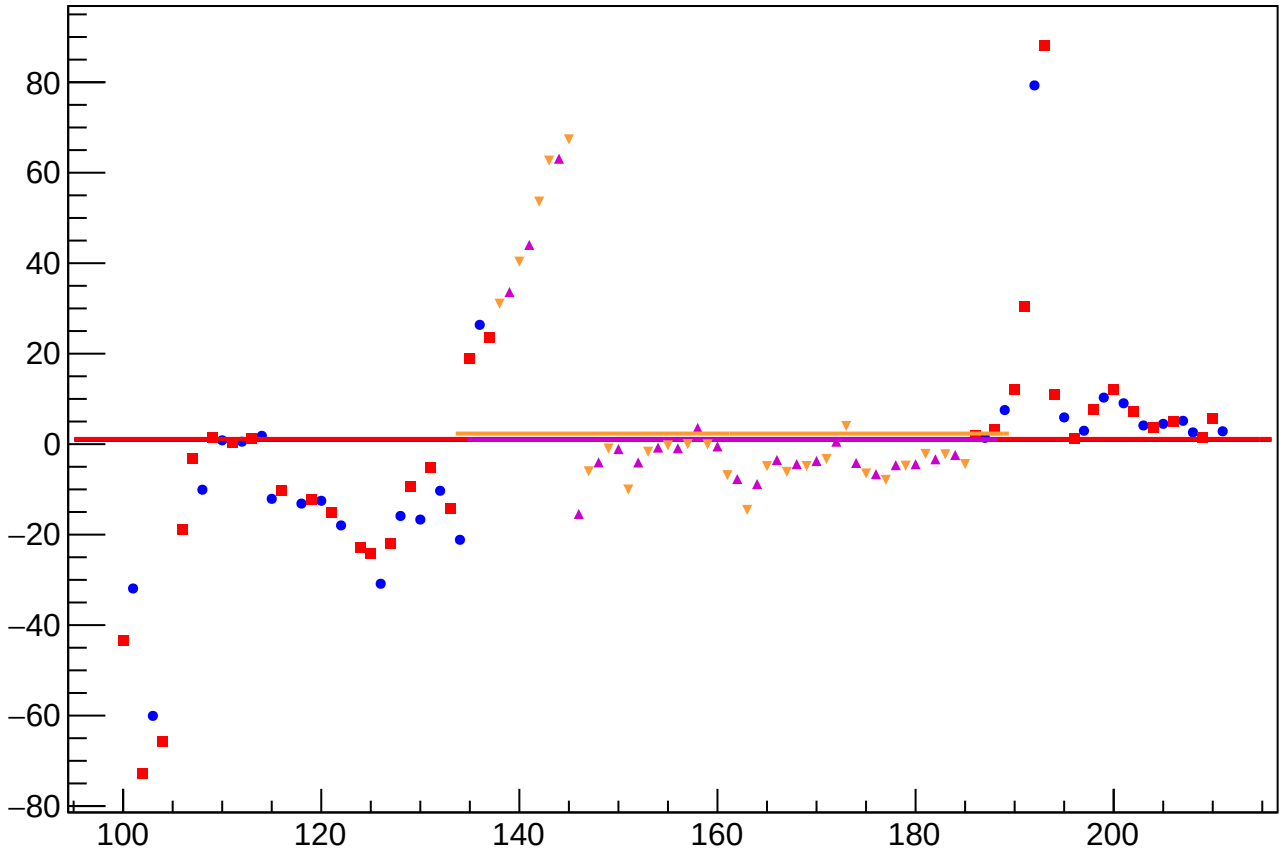
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.238+/-0.012 χ^2/NDF: 1123109.1/58

In: -2.156+/-0.008 χ^2/NDF:2138237.4/50

Out: -2.513+/-0.008 χ^2/NDF:2172716.8/54

All: -2.336+/-0.006 χ^2/NDF: 4311867.5/105



Right In: 0.952+/-0.038 χ^2/NDF: 119782.6/27

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.162+/-0.034 χ^2/NDF: 121451.5/32

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

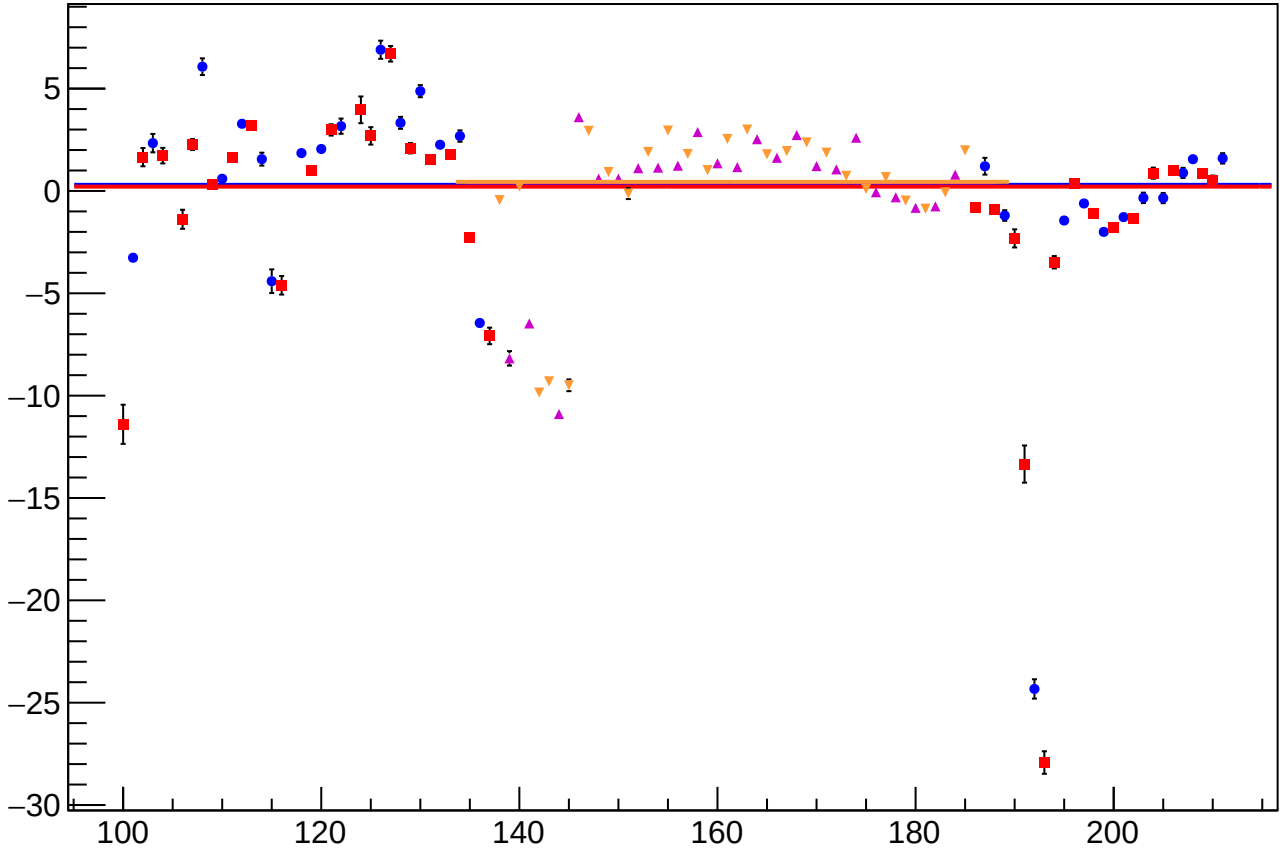
Right: 1.069+/-0.025 χ^2/NDF: 241251.3/60

In: 0.954+/-0.027 χ^2/NDF:252302.4/50

Out: 1.646+/-0.026 χ^2/NDF:298943.9/57

All: 1.321+/-0.019 χ^2/NDF: 551583.5/108

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.299+/-0.046 χ^2/NDF: 5889.4/27

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.212+/-0.043 χ^2/NDF: 5101.1/32

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

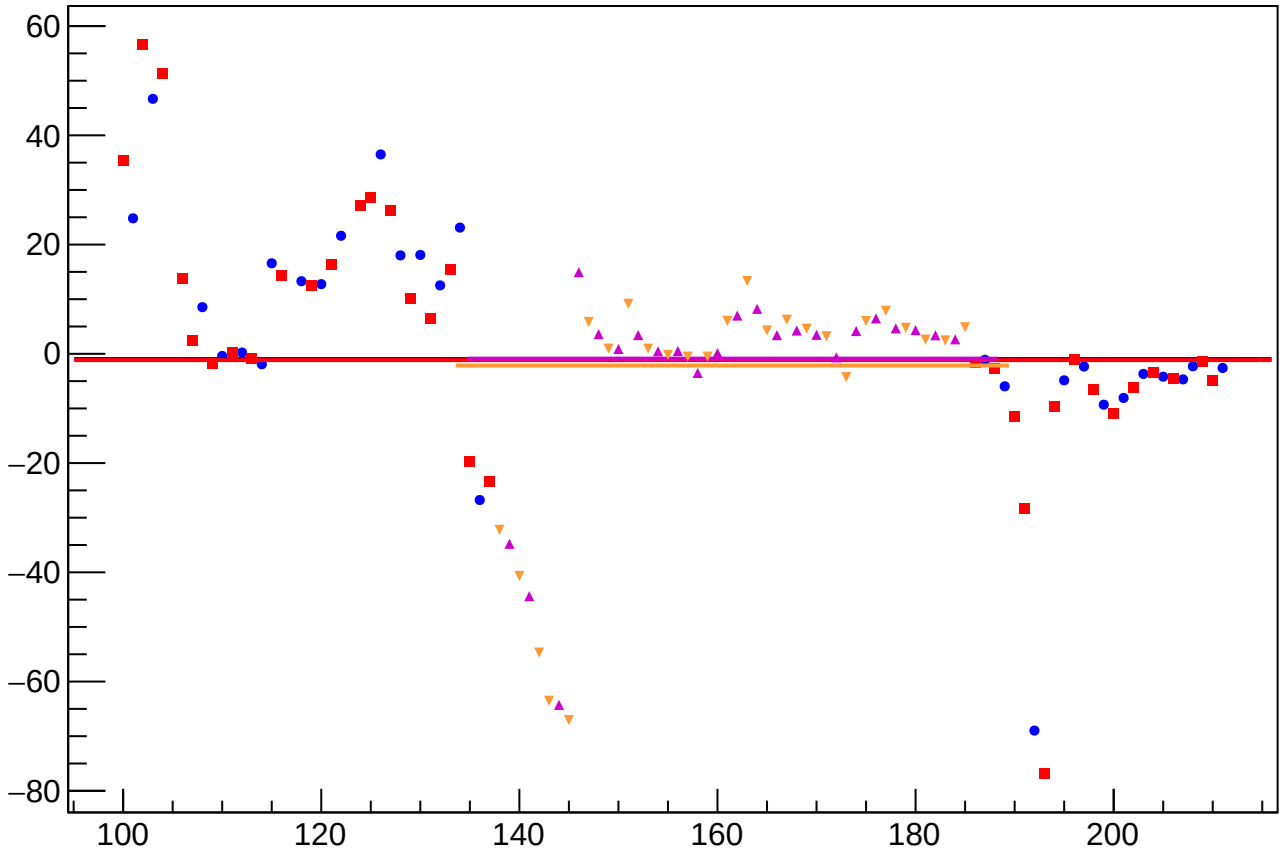
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.253+/-0.031 χ^2/NDF: 10992.4/60

In: 0.386+/-0.026 χ^2/NDF:12997.1/50

Out: 0.360+/-0.026 χ^2/NDF:12164.0/57

All: 0.373+/-0.018 χ^2/NDF: 25161.6/108



Right In: -0.956+/-0.039 χ^2/NDF: 118513.6/27

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.150+/-0.035 χ^2/NDF: 119529.2/32

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

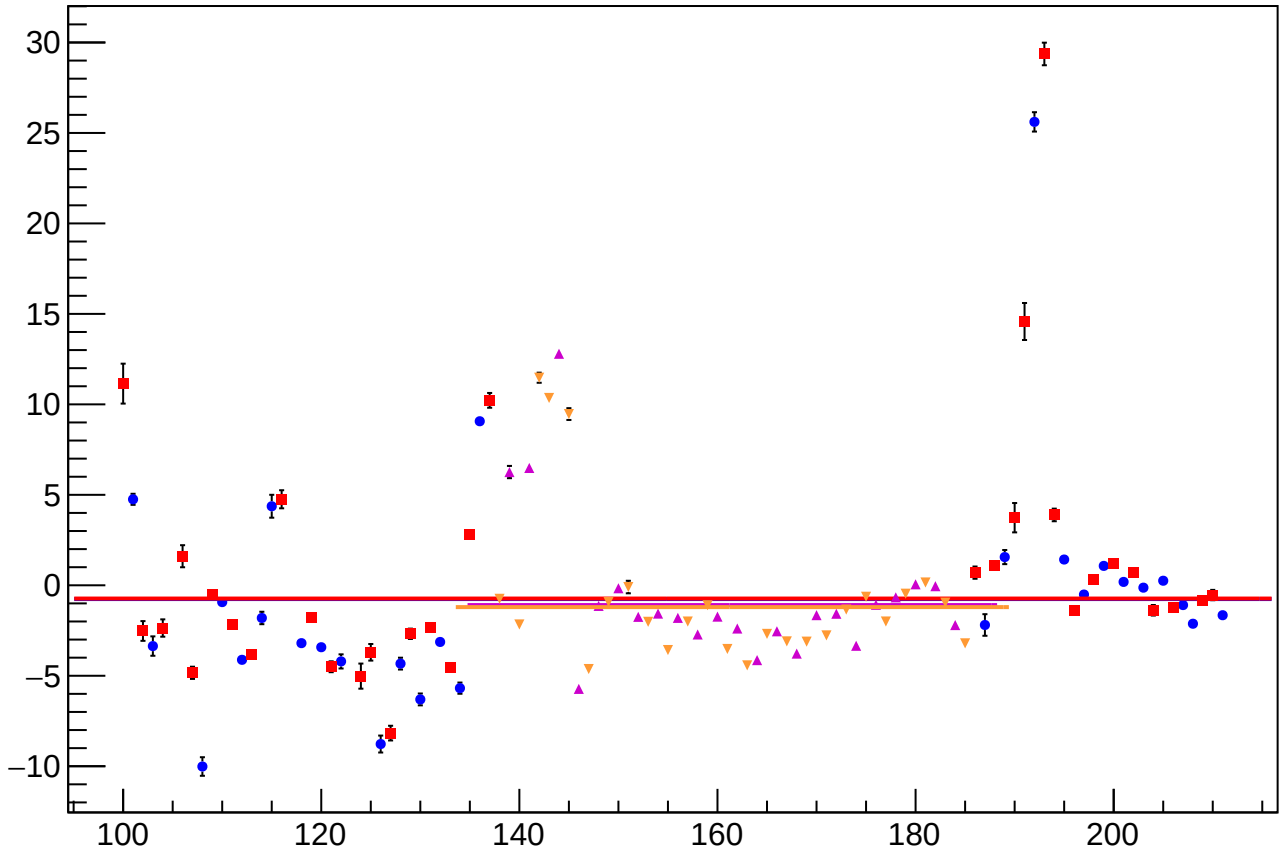
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.062+/-0.026 χ^2/NDF: 238056.5/60

In: -0.919+/-0.028 χ^2/NDF:247713.2/50

Out: -1.582+/-0.027 χ^2/NDF:291144.2/57

All: -1.264+/-0.019 χ^2/NDF: 539156.7/108



Right In: -0.761+/-0.053 χ^2/NDF: 7364.3/27

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.733+/-0.050 χ^2/NDF: 5611.5/32

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

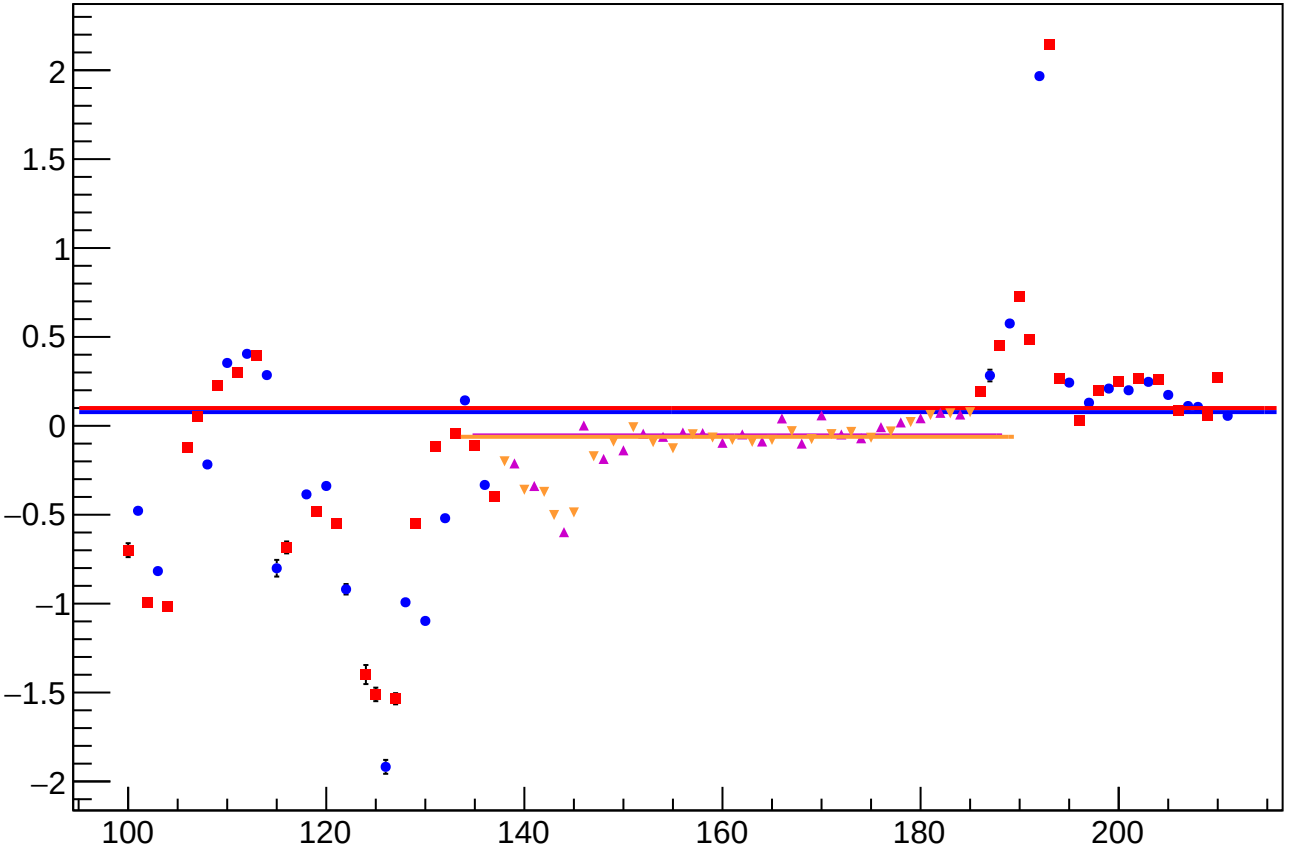
Right: -0.746+/-0.036 χ^2/NDF: 12976.0/60

In: -0.993+/-0.029 χ^2/NDF:14421.1/50

Out: -1.043+/-0.029 χ^2/NDF:12673.3/57

All: -1.017+/-0.021 χ^2/NDF: 27095.8/108

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.077+/-0.002 χ^2/NDF: 34009.6/27

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34835.7/32

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

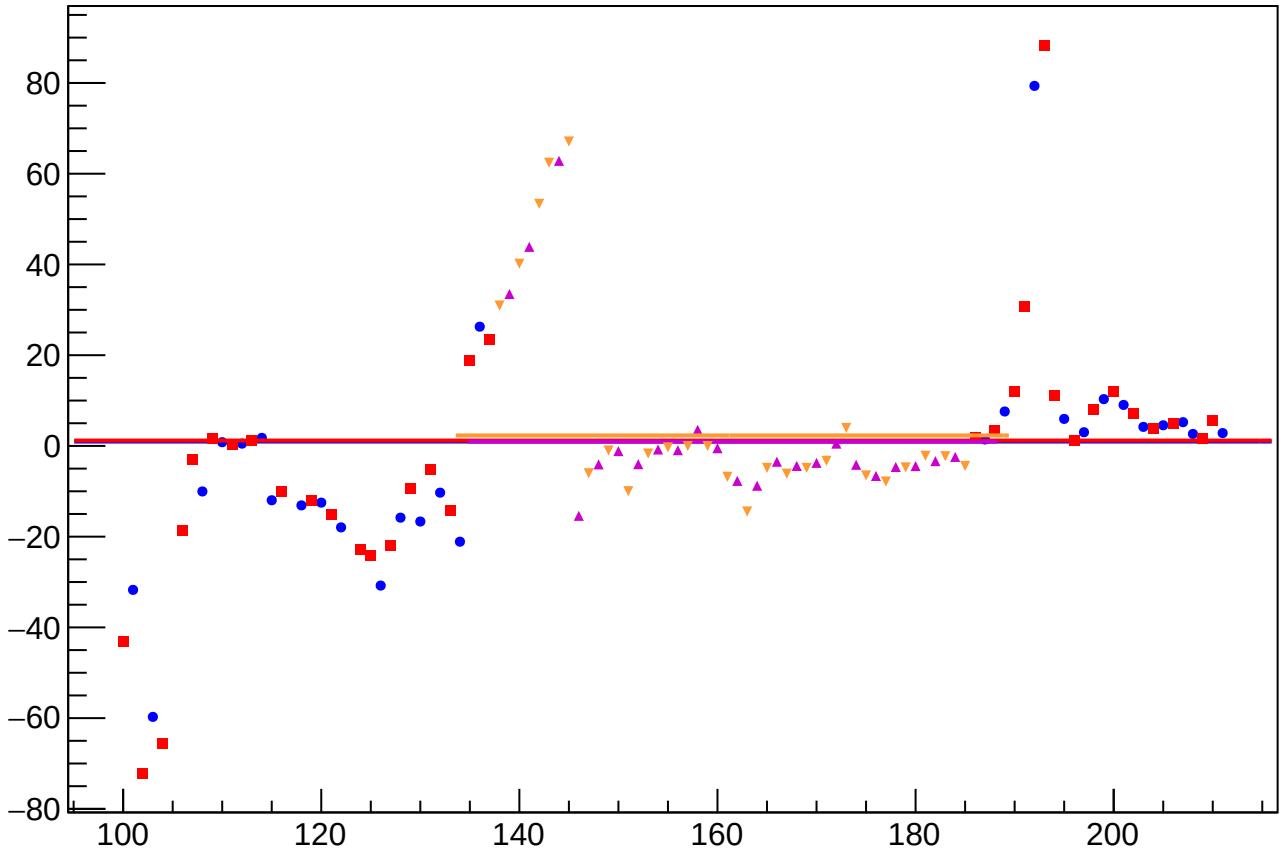
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.089+/-0.002 χ^2/NDF: 68894.6/60

In: -0.016+/-0.001 χ^2/NDF:41261.2/50

Out: -0.009+/-0.001 χ^2/NDF:43954.6/57

All: -0.013+/-0.001 χ^2/NDF: 85232.0/108



Right In: 0.967+/-0.038 χ^2/NDF: 120275.7/27

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.183+/-0.033 χ^2/NDF: 122036.8/32

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

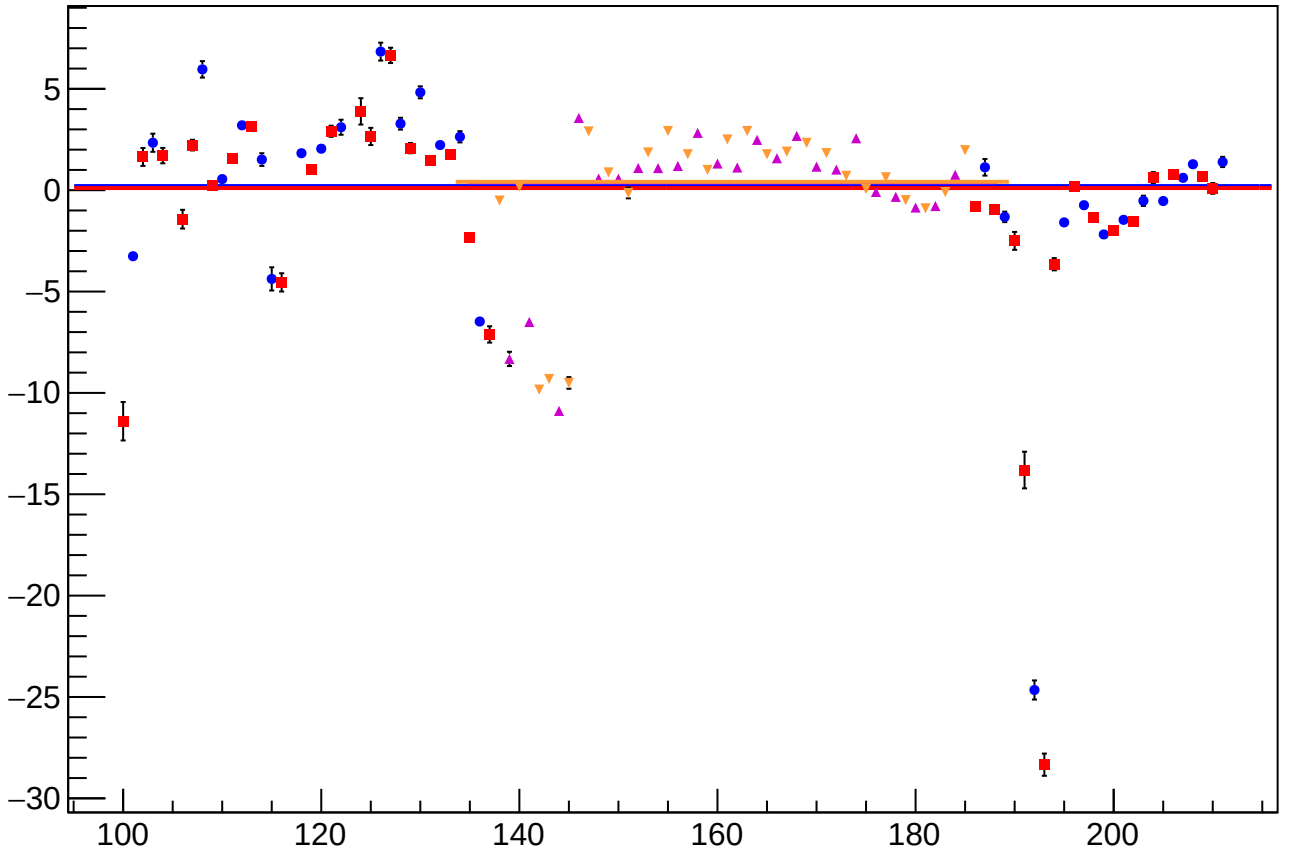
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.088+/-0.025 χ^2/NDF: 242331.0/60

In: 0.952+/-0.027 χ^2/NDF:252681.4/50

Out: 1.647+/-0.026 χ^2/NDF:299256.3/57

All: 1.321+/-0.019 χ^2/NDF: 552281.2/108



Right In: 0.203+/-0.046 χ^2/NDF: 6010.2/27

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.106+/-0.043 χ^2/NDF: 5261.0/32

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

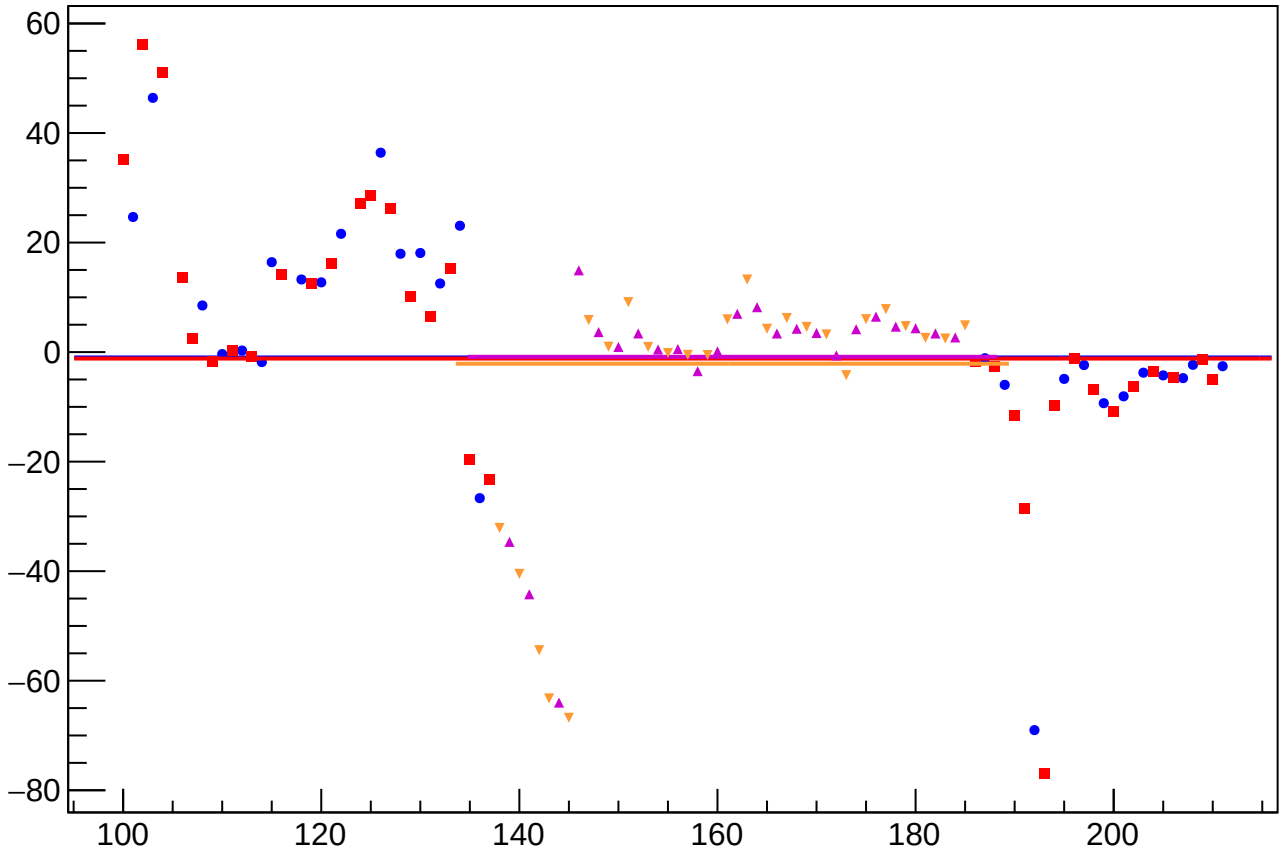
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.152+/-0.031 χ^2/NDF: 11273.6/60

In: 0.329+/-0.026 χ^2/NDF:13135.7/50

Out: 0.301+/-0.026 χ^2/NDF:12340.7/57

All: 0.315+/-0.018 χ^2/NDF: 25477.0/108



Right In: -0.976+/-0.039 χ^2/NDF: 118974.2/27

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.178+/-0.035 χ^2/NDF: 120080.0/32

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

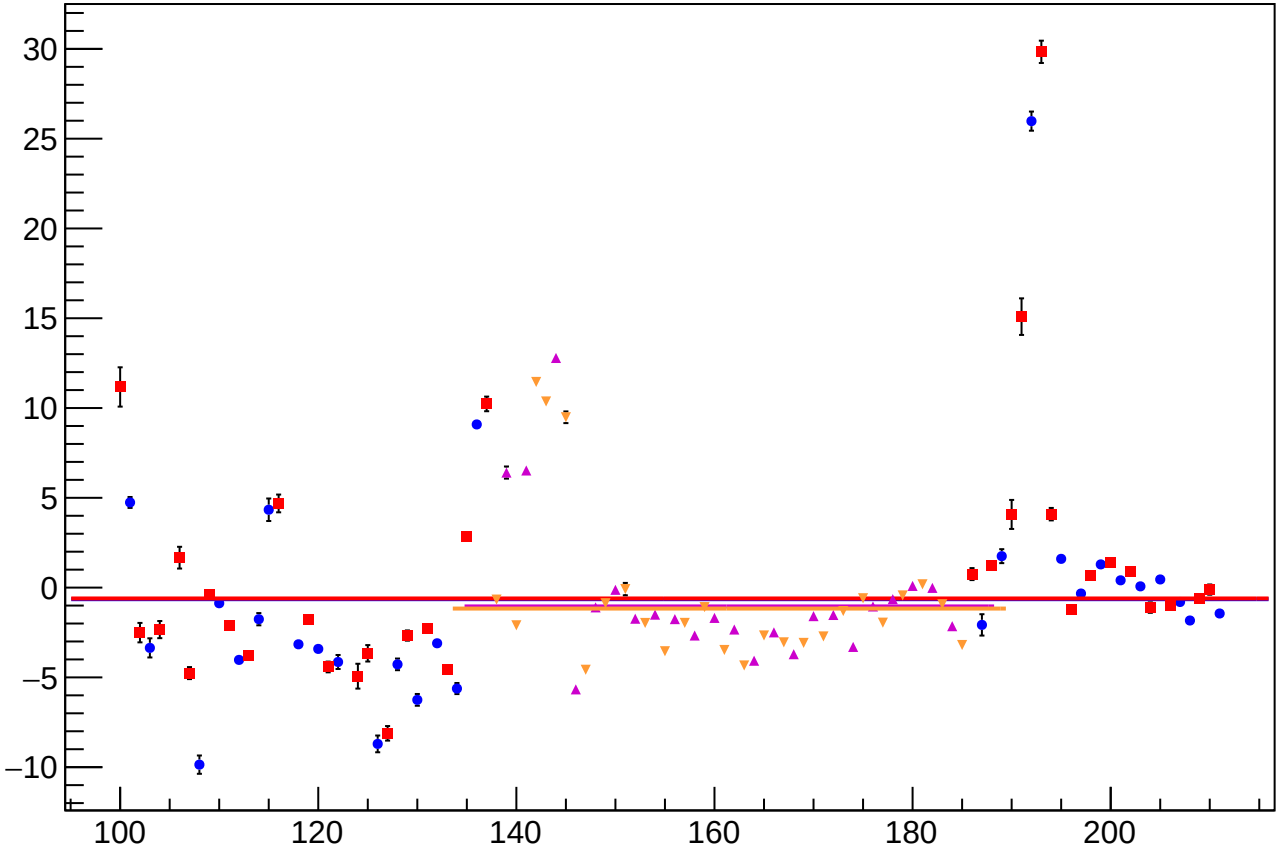
Right: -1.087+/-0.026 χ^2/NDF: 239069.1/60

In: -0.918+/-0.028 χ^2/NDF:248063.7/50

Out: -1.586+/-0.026 χ^2/NDF:291432.0/57

All: -1.266+/-0.019 χ^2/NDF: 539801.7/108

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.645+/-0.053 χ^2/NDF: 7470.4/27

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.605+/-0.050 χ^2/NDF: 5769.1/32

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

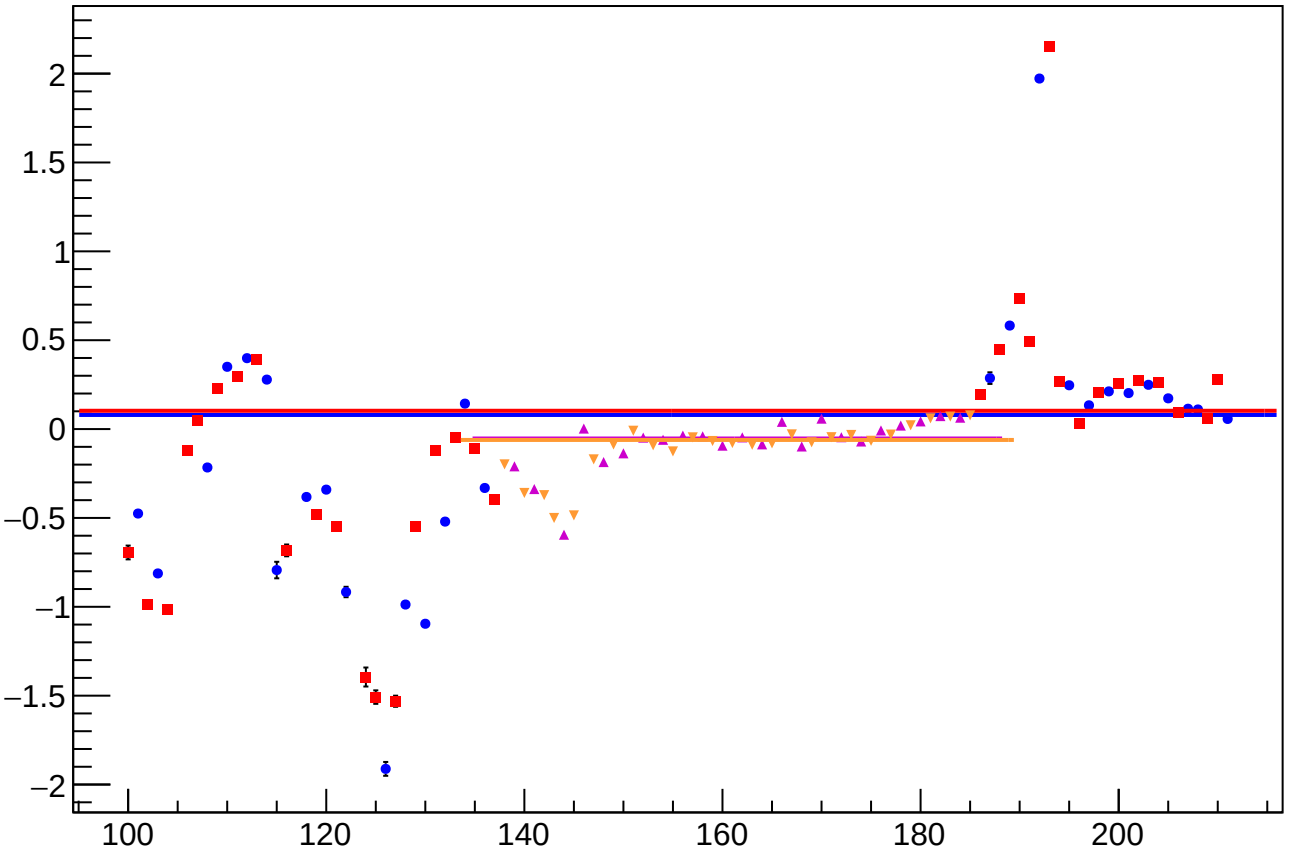
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.624+/-0.036 χ^2/NDF: 13239.8/60

In: -0.926+/-0.029 χ^2/NDF:14552.1/50

Out: -0.973+/-0.029 χ^2/NDF:12854.0/57

All: -0.949+/-0.021 χ^2/NDF: 27407.4/108



Right In: 0.079+/-0.002 χ^2/NDF: 34281.3/27

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35150.5/32

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

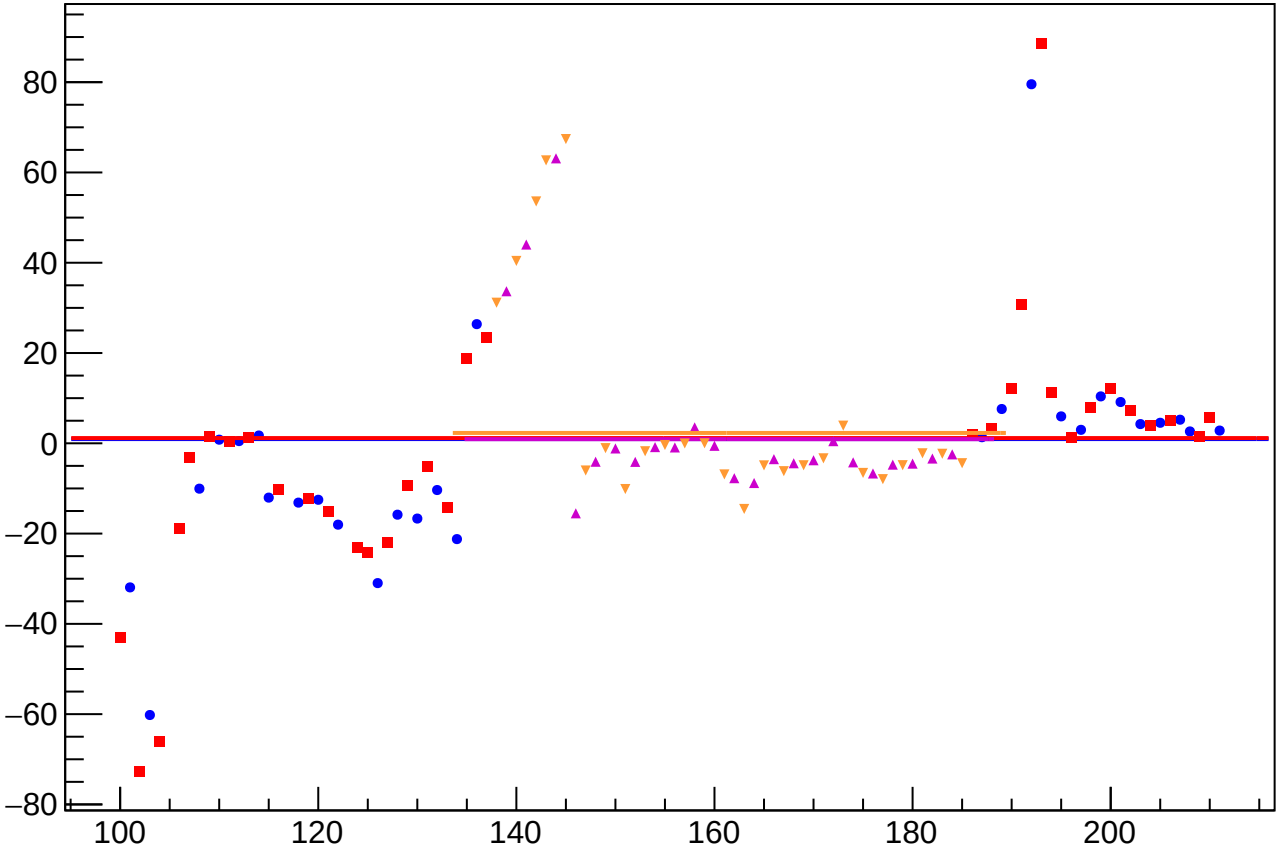
Right: 0.092+/-0.002 χ^2/NDF: 69484.5/60

In: -0.015+/-0.001 χ^2/NDF:41576.5/50

Out: -0.007+/-0.001 χ^2/NDF:44419.4/57

All: -0.011+/-0.001 χ^2/NDF: 86012.4/108

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.938+/-0.038 χ^2/NDF: 120317.4/27

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.158+/-0.034 χ^2/NDF: 122054.7/32

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

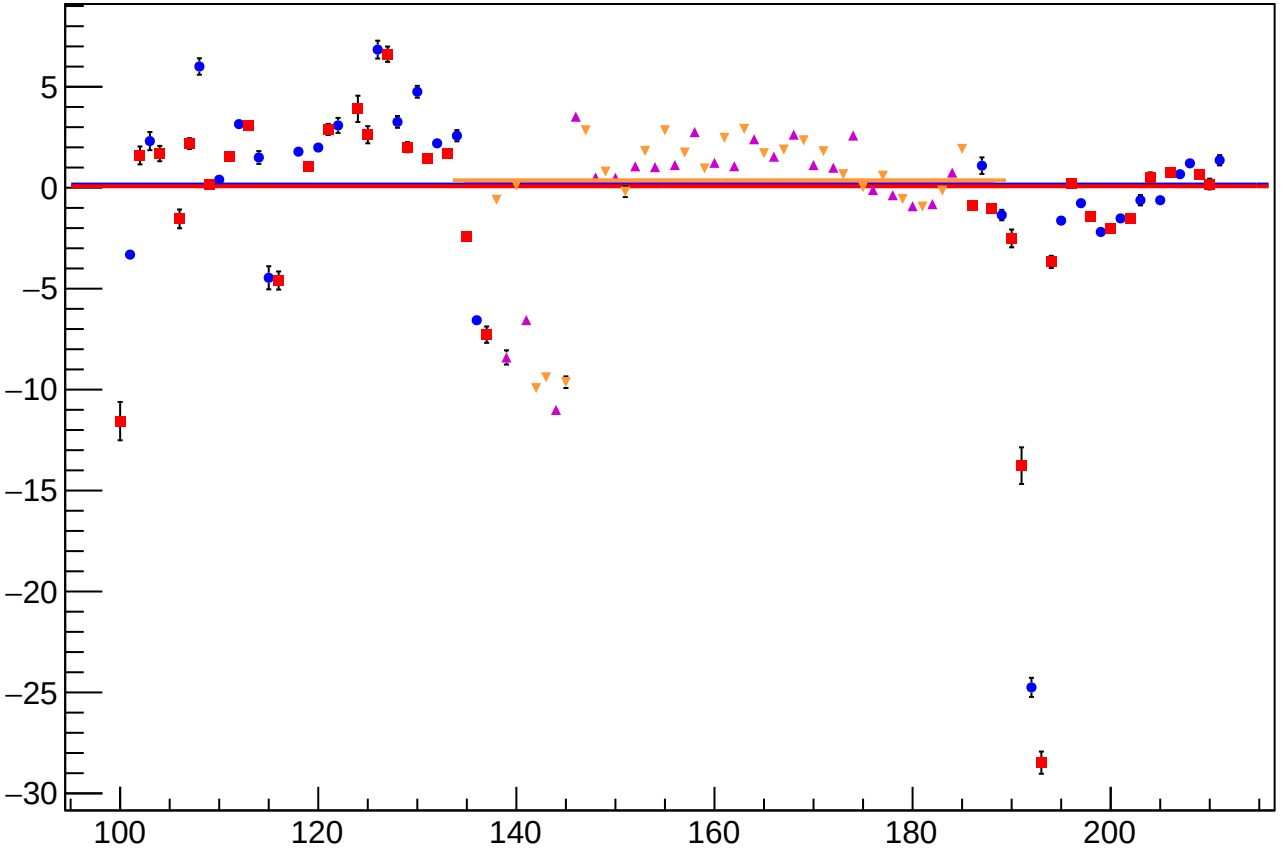
Right: 1.061+/-0.025 χ^2/NDF: 242391.2/60

In: 0.926+/-0.027 χ^2/NDF:252891.4/50

Out: 1.624+/-0.026 χ^2/NDF:299711.7/57

All: 1.297+/-0.019 χ^2/NDF: 552946.8/108

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.156+/-0.046 χ^2/NDF: 5996.7/27

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.072+/-0.043 χ^2/NDF: 5255.3/32

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

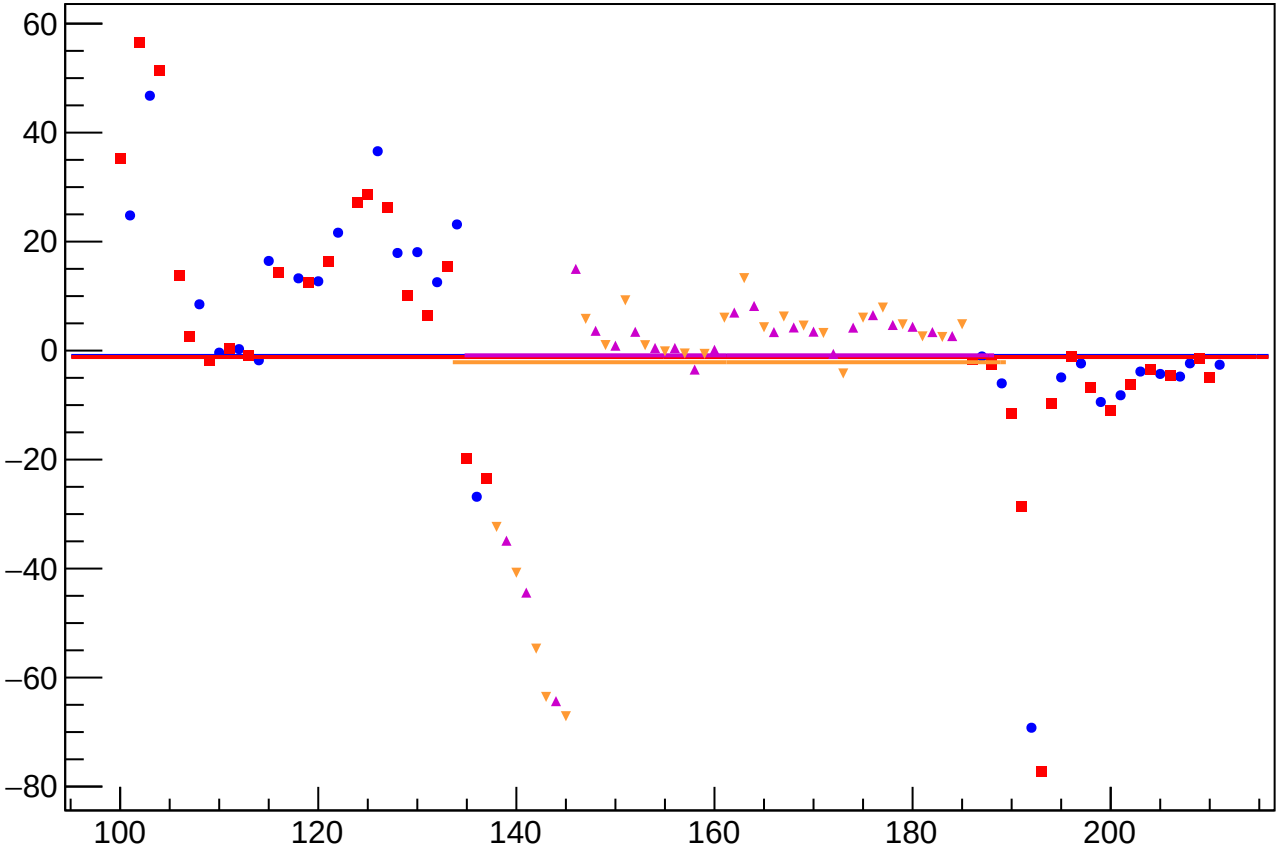
Right: 0.112+/-0.031 χ^2/NDF: 11253.8/60

In: 0.279+/-0.026 χ^2/NDF:13101.5/50

Out: 0.259+/-0.026 χ^2/NDF:12352.9/57

All: 0.269+/-0.018 χ^2/NDF: 25454.7/108

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.978+/-0.039 χ^2/NDF: 119030.1/27

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.182+/-0.035 χ^2/NDF: 120127.1/32

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

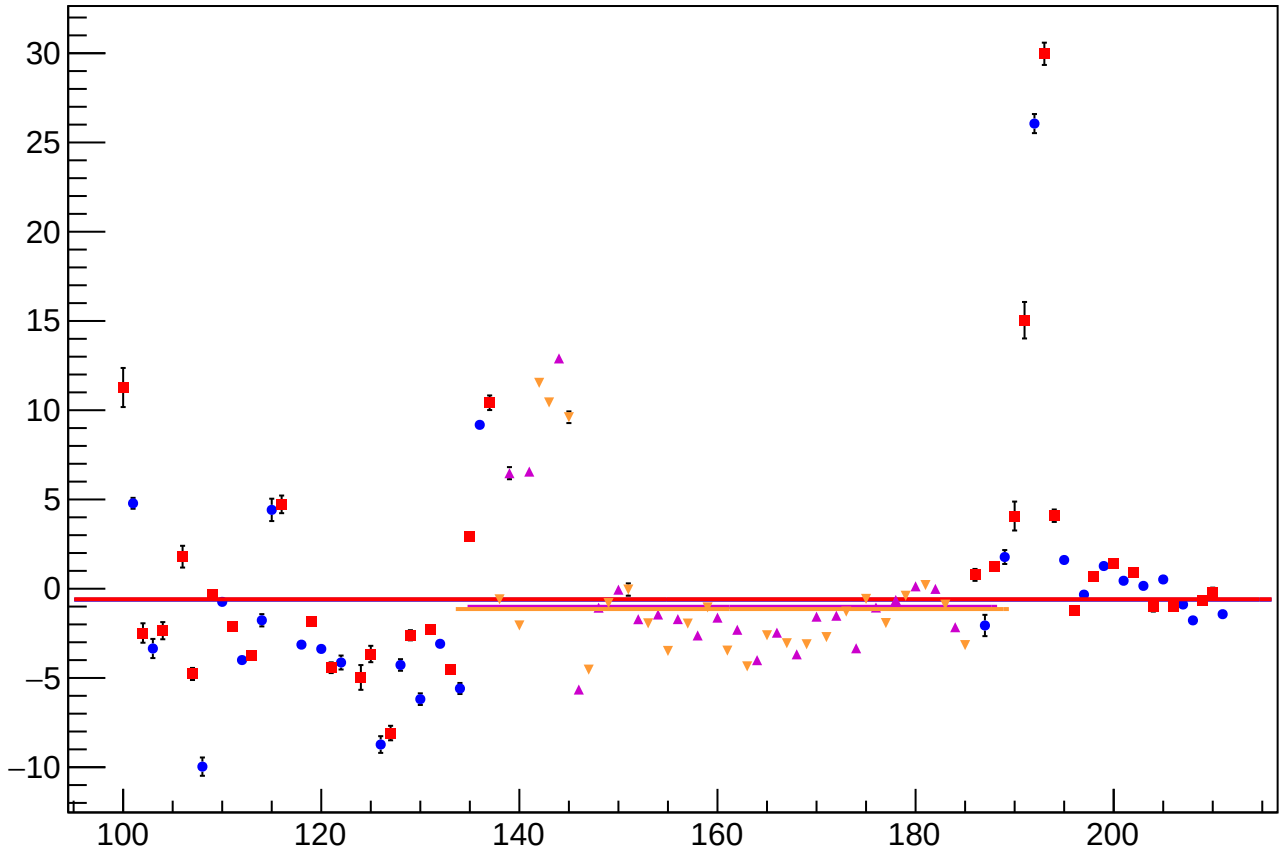
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.090+/-0.026 χ^2/NDF: 239172.3/60

In: -0.926+/-0.028 χ^2/NDF:248297.2/50

Out: -1.594+/-0.027 χ^2/NDF:291909.5/57

All: -1.274+/-0.019 χ^2/NDF: 540511.2/108



Right In: -0.614+/-0.053 χ^2/NDF: 7464.6/27

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.590+/-0.050 χ^2/NDF: 5772.5/32

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

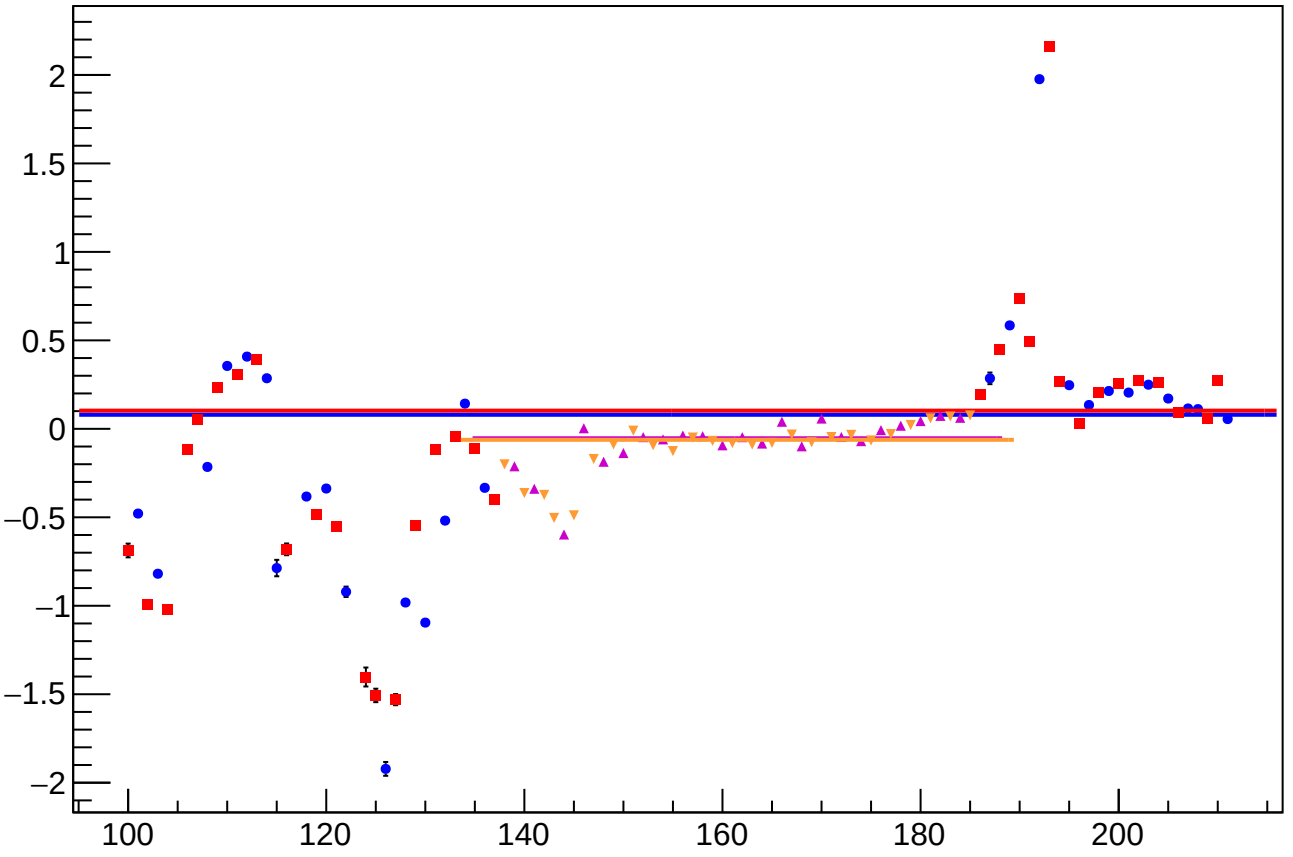
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.602+/-0.036 χ^2/NDF: 13237.2/60

In: -0.892+/-0.029 χ^2/NDF:14531.5/50

Out: -0.950+/-0.029 χ^2/NDF:12874.5/57

All: -0.921+/-0.021 χ^2/NDF: 27407.9/108



Right In: 0.079+/-0.002 χ^2/NDF: 34273.6/27

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35105.7/32

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

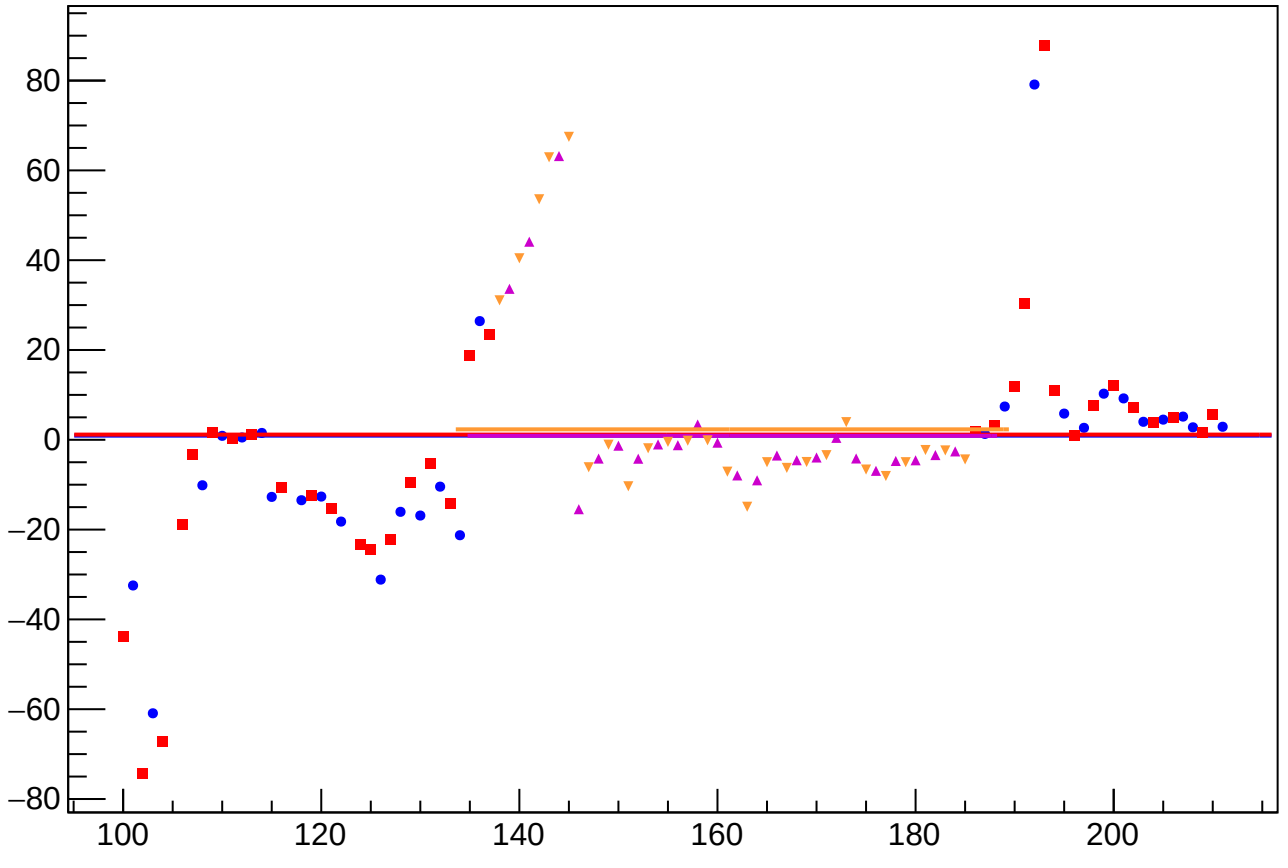
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.092+/-0.002 χ^2/NDF: 69430.5/60

In: -0.015+/-0.001 χ^2/NDF:41540.7/50

Out: -0.008+/-0.001 χ^2/NDF:44378.4/57

All: -0.012+/-0.001 χ^2/NDF: 85933.4/108



Right In: 0.928+/-0.038 χ^2/NDF: 118475.6/27

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.156+/-0.034 χ^2/NDF: 120432.1/32

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

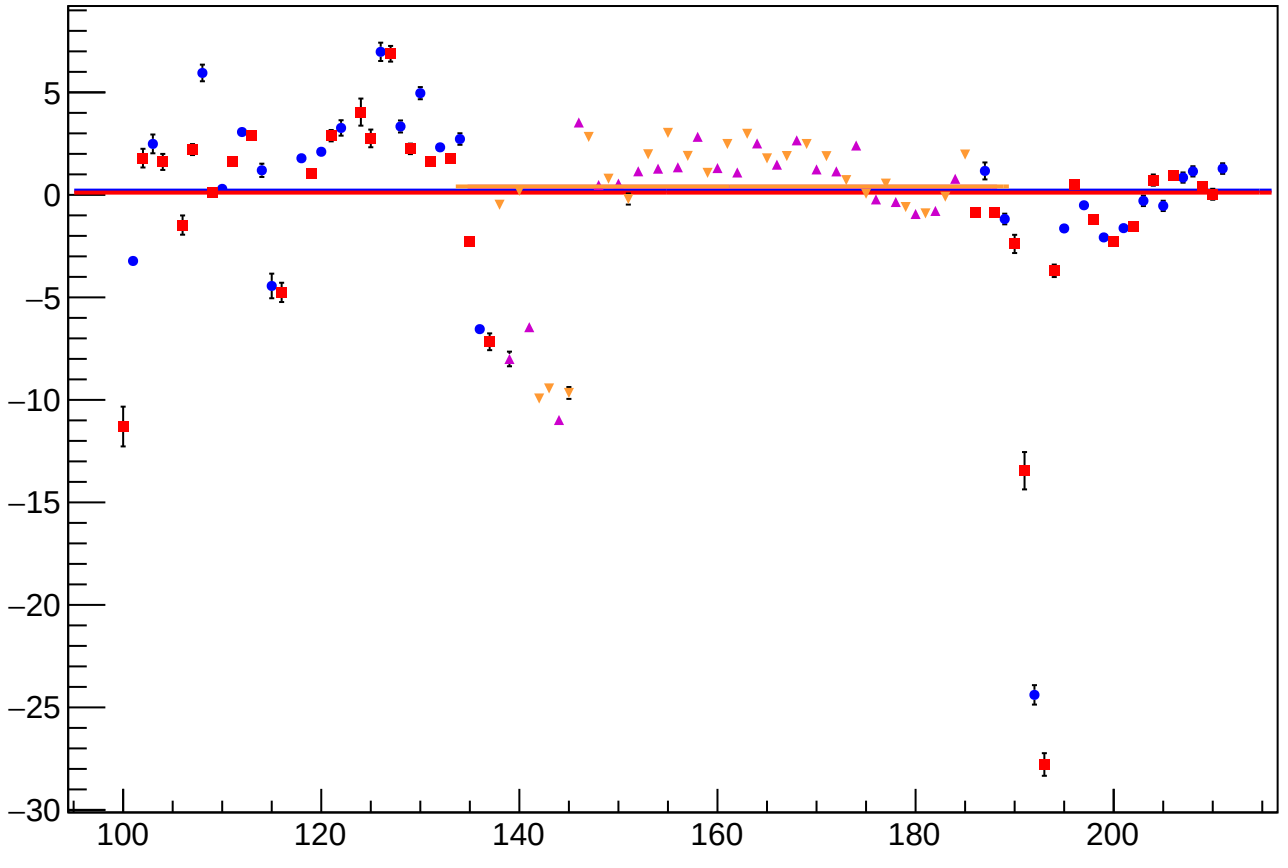
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.055+/-0.025 χ^2/NDF: 238927.7/60

In: 0.909+/-0.028 χ^2/NDF:248893.4/50

Out: 1.634+/-0.026 χ^2/NDF:295562.6/57

All: 1.294+/-0.019 χ^2/NDF: 544815.0/108



Right In: 0.207+/-0.046 χ^2/NDF: 5828.8/27

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.110+/-0.044 χ^2/NDF: 5059.5/32

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

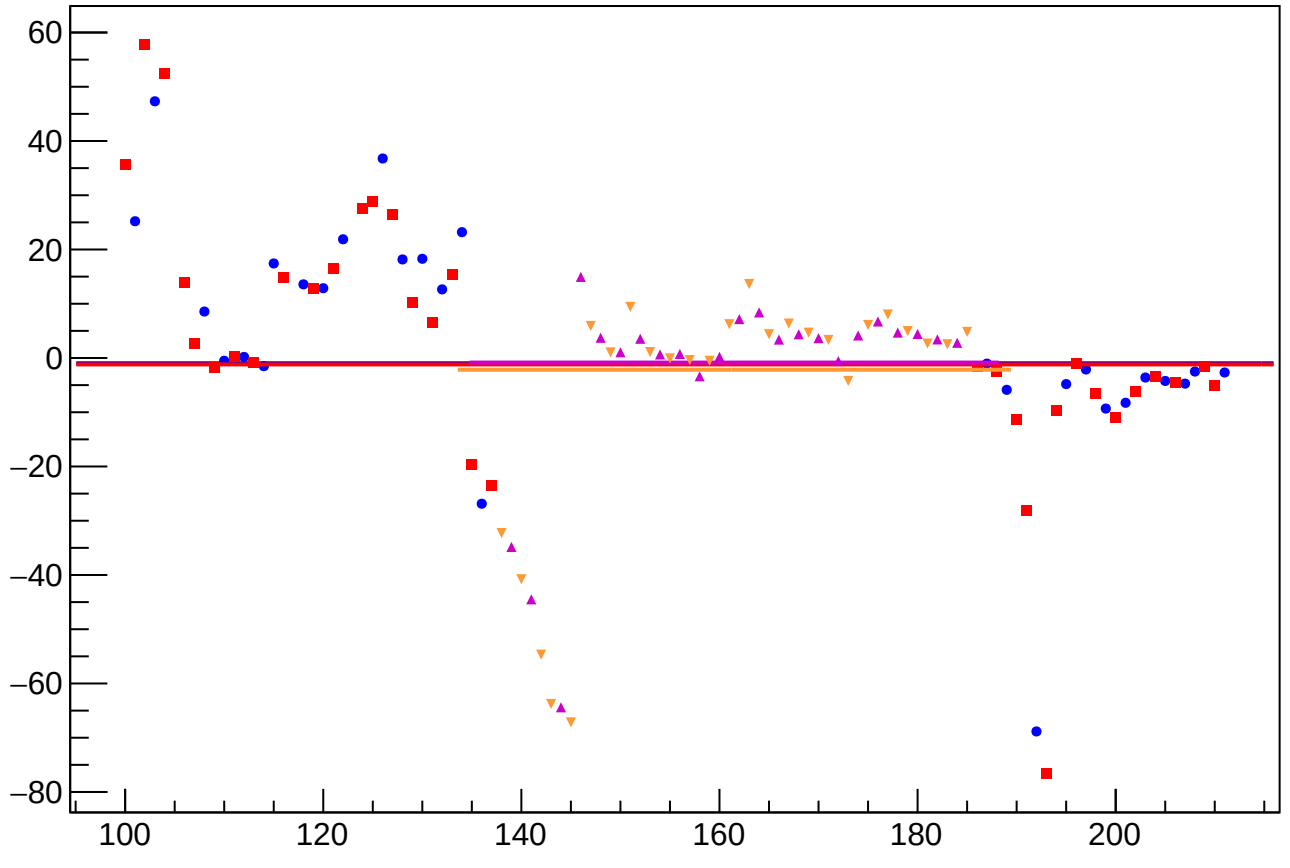
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.156+/-0.032 χ^2/NDF: 10890.6/60

In: 0.335+/-0.026 χ^2/NDF:12772.0/50

Out: 0.299+/-0.027 χ^2/NDF:12136.9/57

All: 0.317+/-0.019 χ^2/NDF: 24909.8/108



Right In: -0.972+/-0.039 χ^2/NDF: 117224.4/27

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.182+/-0.036 χ^2/NDF: 118510.7/32

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

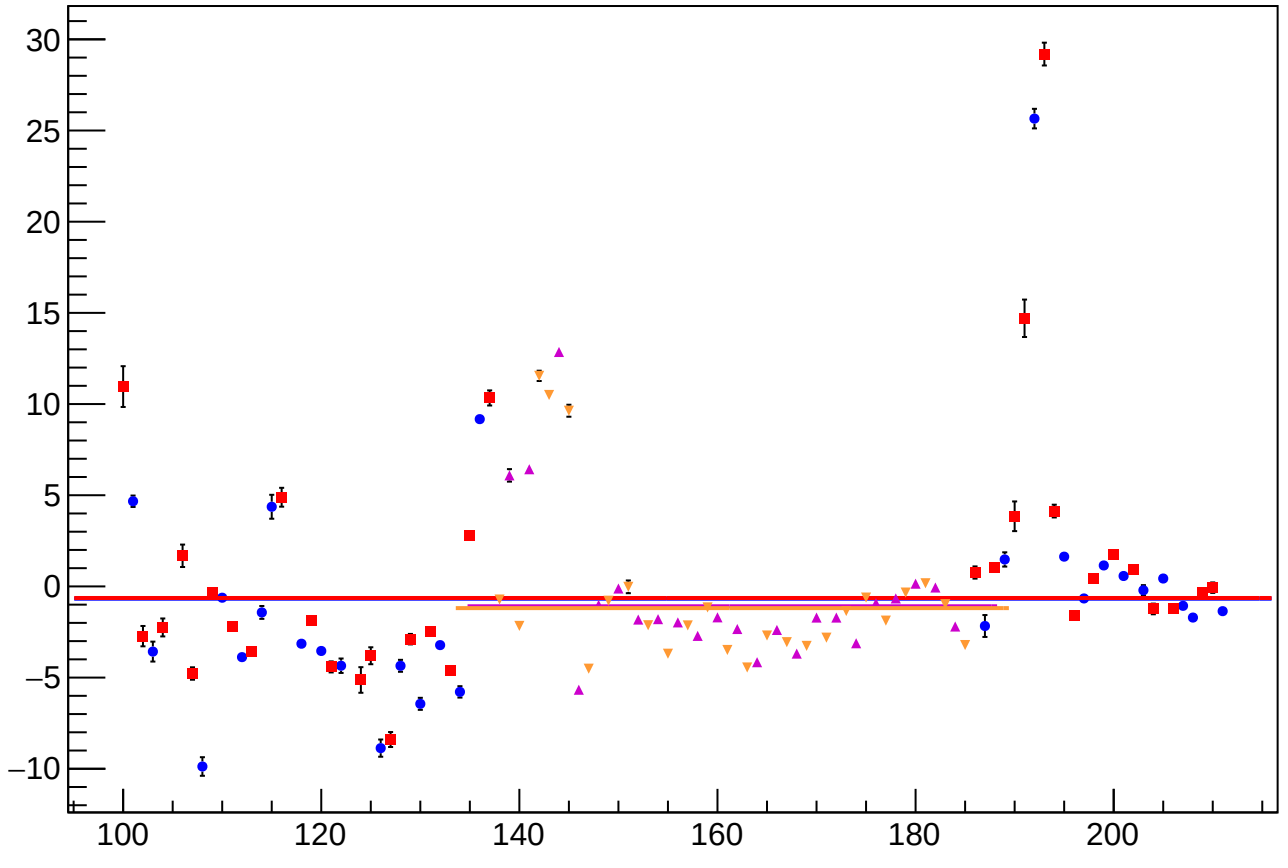
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.088+/-0.026 χ^2/NDF: 235750.7/60

In: -0.909+/-0.028 χ^2/NDF:244365.0/50

Out: -1.604+/-0.027 χ^2/NDF:287826.6/57

All: -1.271+/-0.019 χ^2/NDF: 532510.6/108



Right In: -0.674+/-0.054 χ^2/NDF: 7296.3/27

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.635+/-0.051 χ^2/NDF: 5590.2/32

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

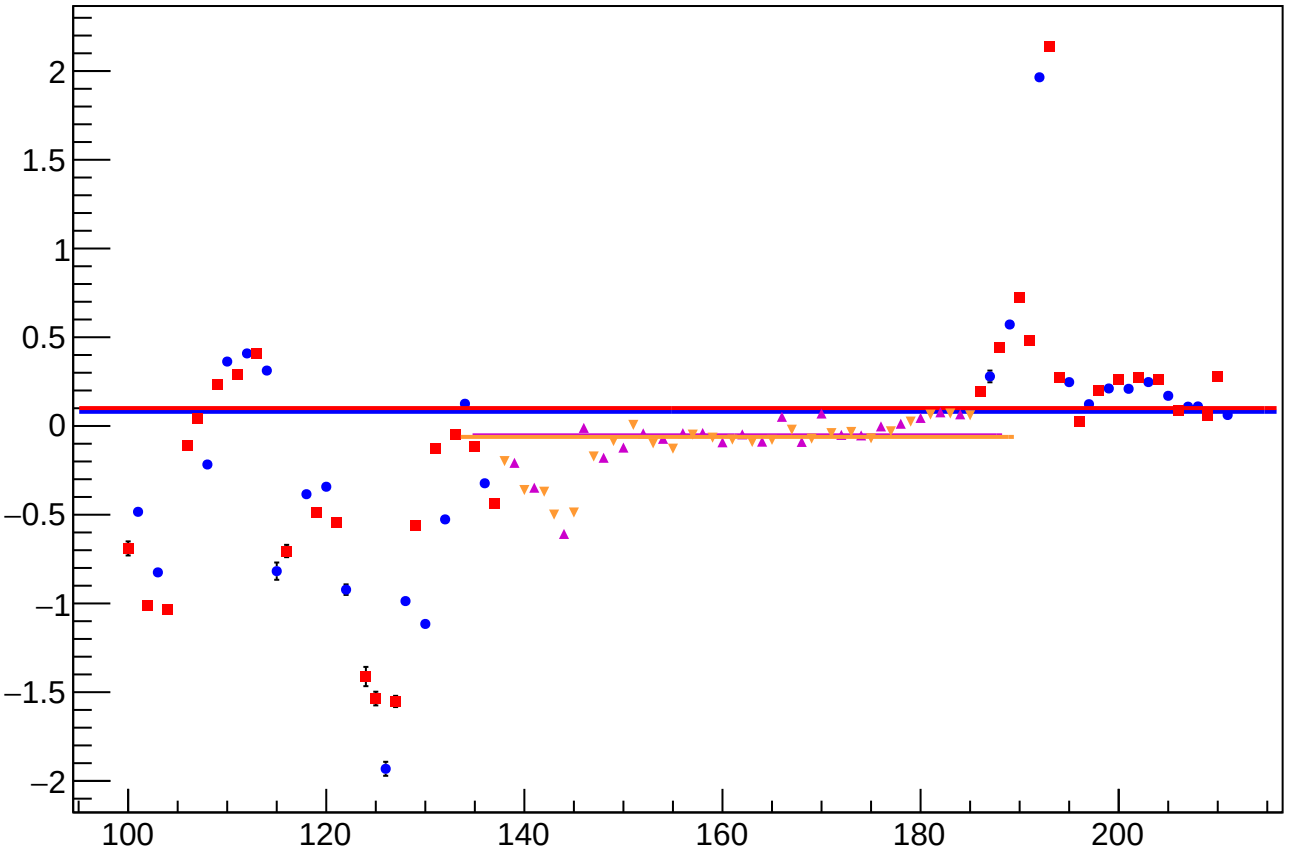
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.653+/-0.037 χ^2/NDF: 12886.8/60

In: -0.962+/-0.030 χ^2/NDF:14178.8/50

Out: -0.997+/-0.030 χ^2/NDF:12664.5/57

All: -0.980+/-0.021 χ^2/NDF: 26844.0/108



Right In: 0.080+/-0.002 χ^2/NDF: 33543.3/27

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34676.8/32

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

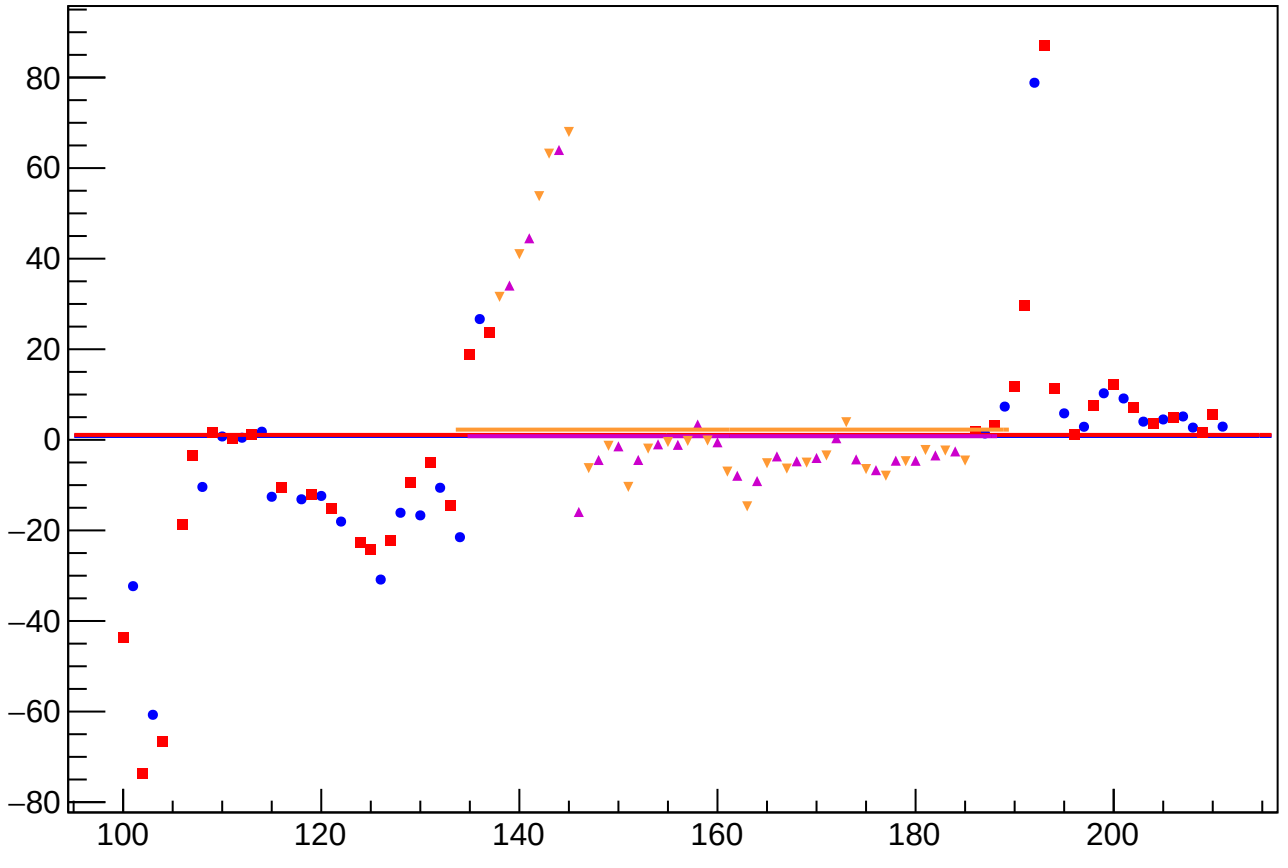
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.091+/-0.002 χ^2/NDF: 68260.7/60

In: -0.014+/-0.001 χ^2/NDF:40788.6/50

Out: -0.008+/-0.001 χ^2/NDF:43583.7/57

All: -0.011+/-0.001 χ^2/NDF: 84383.4/108



Right In: 0.852+/-0.039 χ^2/NDF: 116782.5/27

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.088+/-0.035 χ^2/NDF: 118245.7/32

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

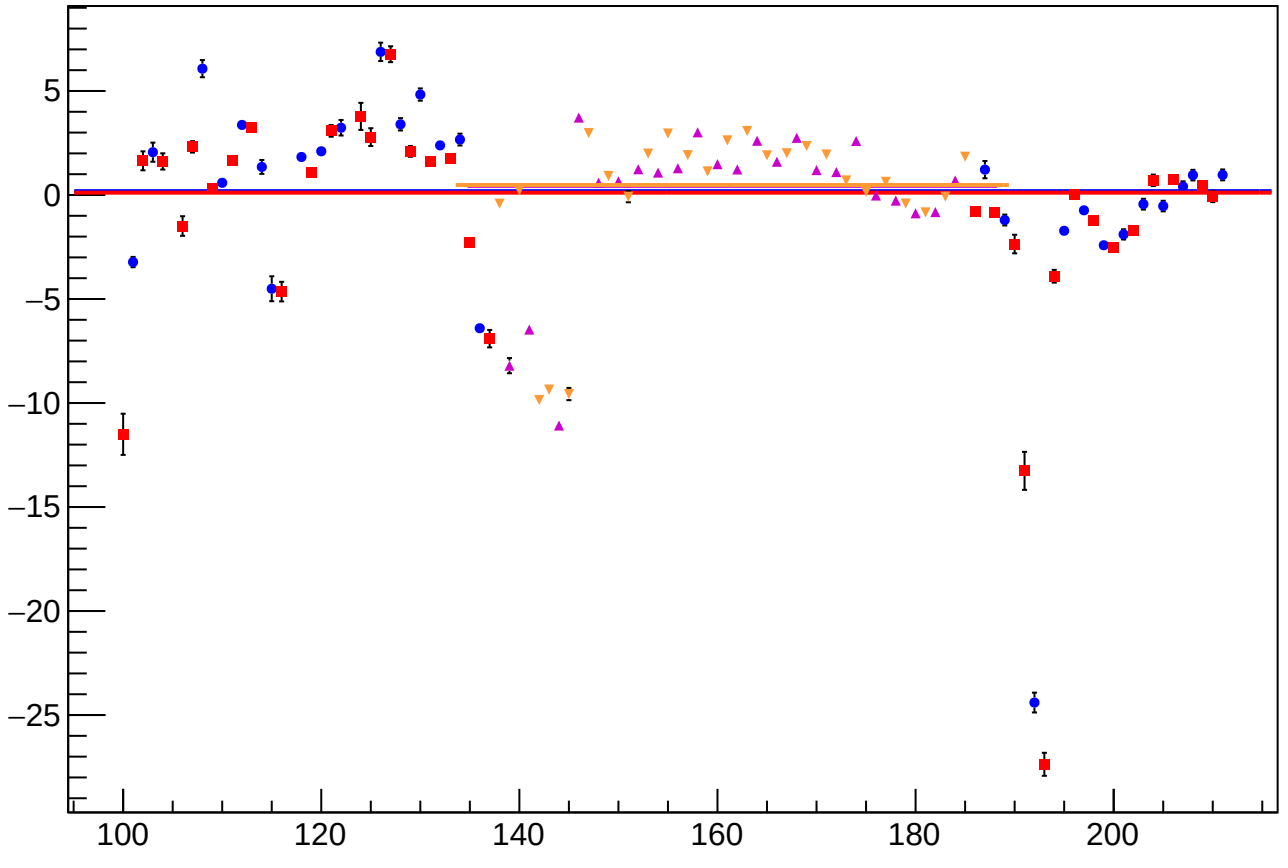
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.983+/-0.026 χ^2/NDF: 235048.6/60

In: 0.824+/-0.028 χ^2/NDF:245611.9/50

Out: 1.568+/-0.027 χ^2/NDF:290382.3/57

All: 1.218+/-0.019 χ^2/NDF: 536361.2/108



Right In: 0.185+/-0.047 χ^2/NDF: 5798.6/27

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.112+/-0.044 χ^2/NDF: 4975.5/32

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

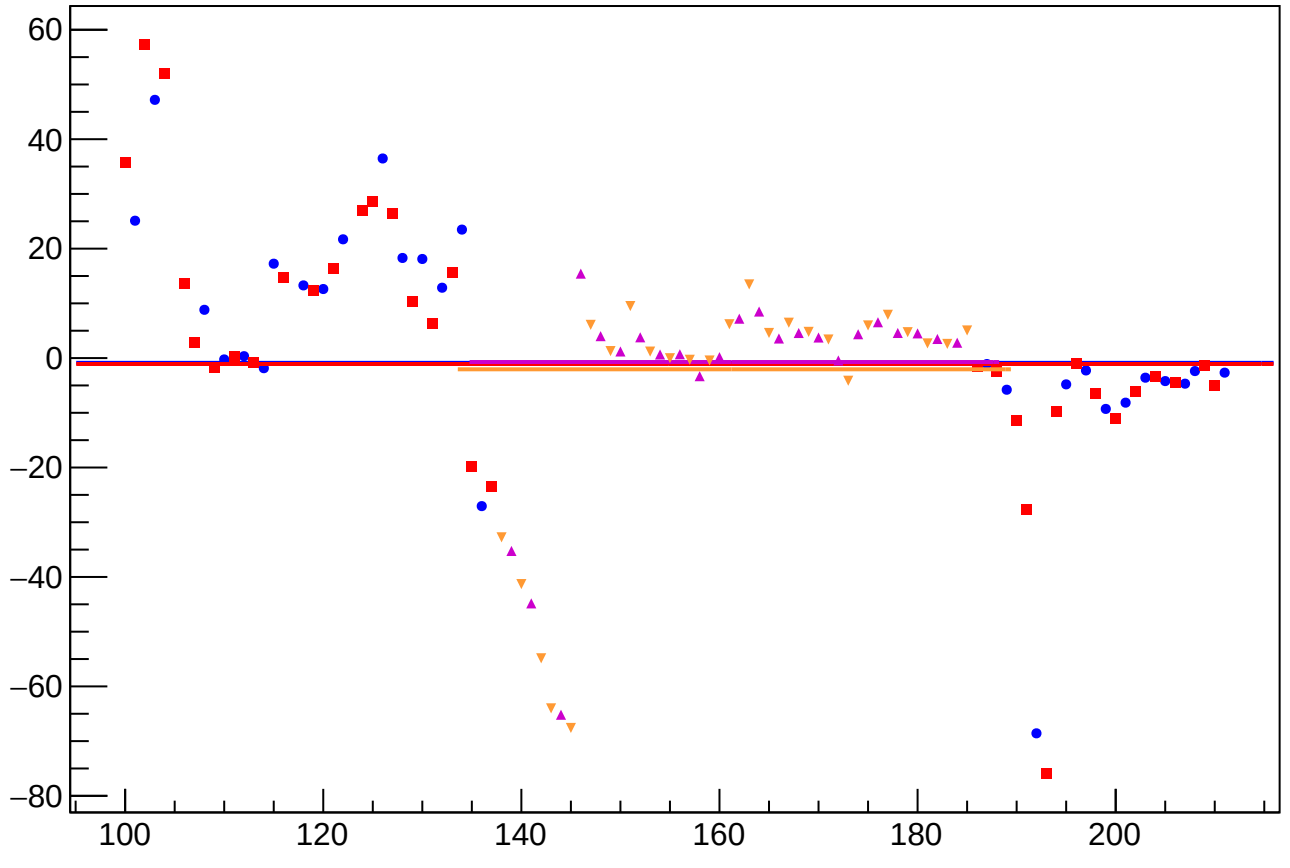
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.146+/-0.032 χ^2/NDF: 10775.4/60

In: 0.357+/-0.027 χ^2/NDF:12712.3/50

Out: 0.344+/-0.027 χ^2/NDF:11826.9/57

All: 0.351+/-0.019 χ^2/NDF: 24539.4/108



Right In: -0.872+/-0.040 χ^2/NDF: 115507.1/27

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.079+/-0.036 χ^2/NDF: 116359.4/32

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

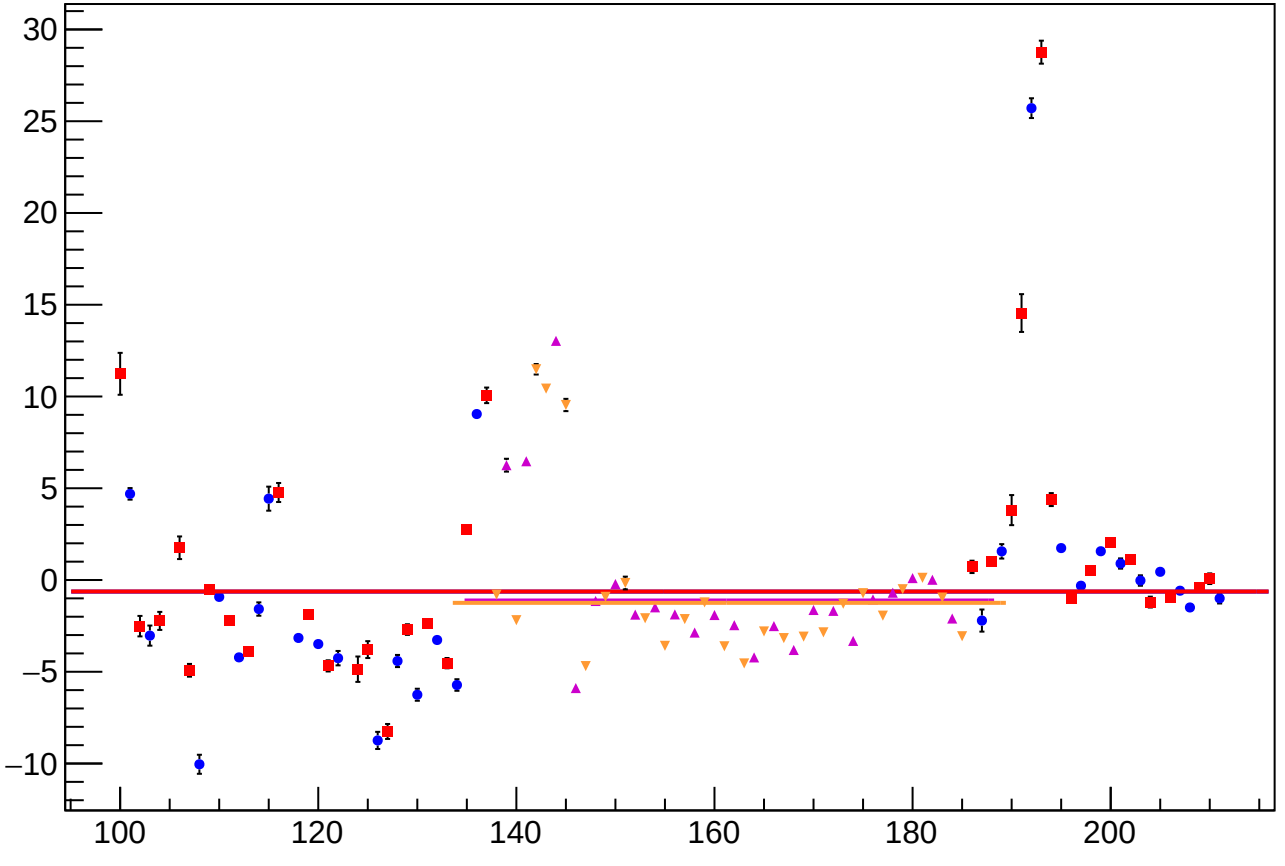
Right: -0.985+/-0.027 χ^2/NDF: 231881.5/60

In: -0.797+/-0.028 χ^2/NDF:241045.5/50

Out: -1.499+/-0.027 χ^2/NDF:282681.0/57

All: -1.163+/-0.020 χ^2/NDF: 524044.5/108

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.632+/-0.054 χ^2/NDF: 7181.5/27

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.625+/-0.051 χ^2/NDF: 5462.6/32

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

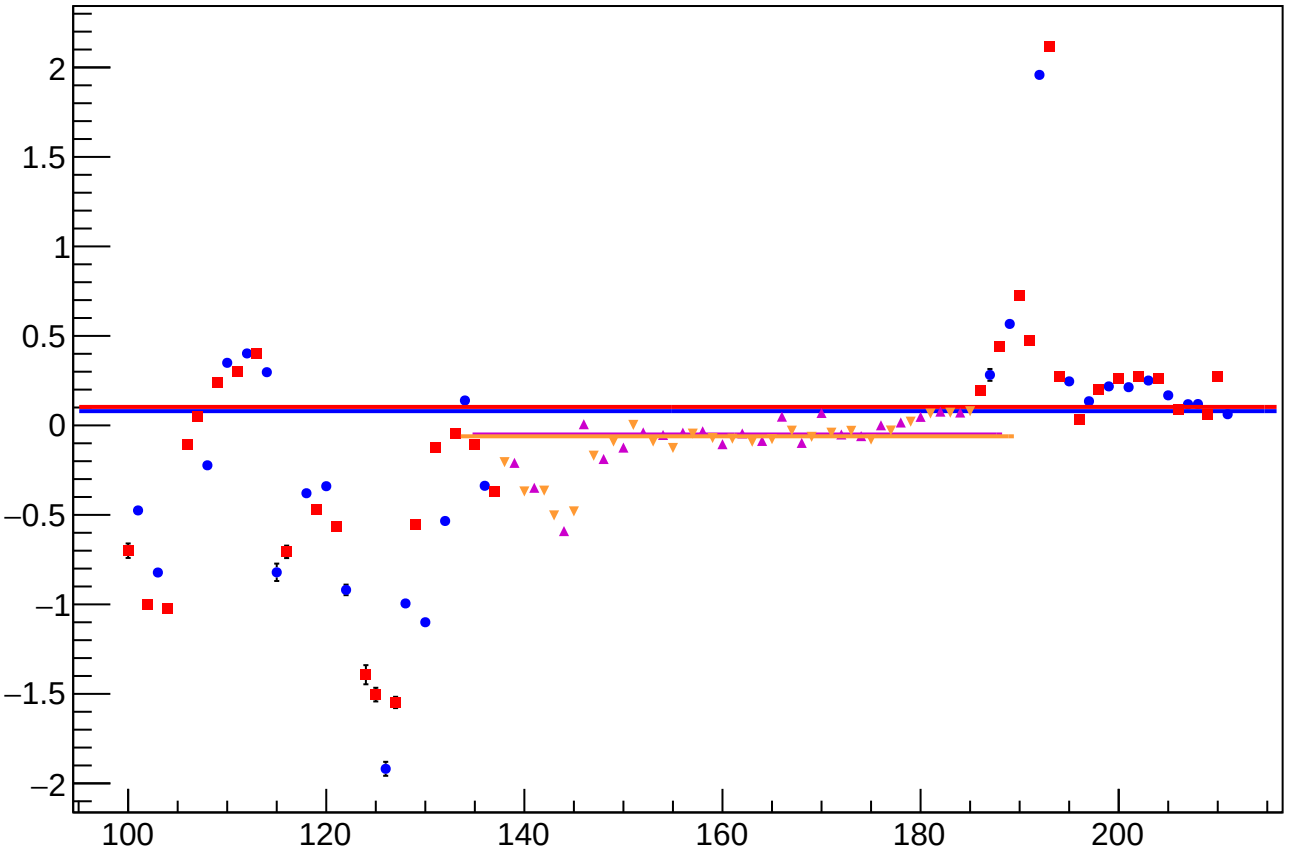
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.629+/-0.037 χ^2/NDF: 12644.1/60

In: -0.969+/-0.030 χ^2/NDF:14077.3/50

Out: -1.031+/-0.030 χ^2/NDF:12326.2/57

All: -1.000+/-0.021 χ^2/NDF: 26405.6/108



Right In: 0.080+/-0.002 χ^2/NDF: 33211.6/27

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.103+/-0.002 χ^2/NDF: 33739.1/32

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

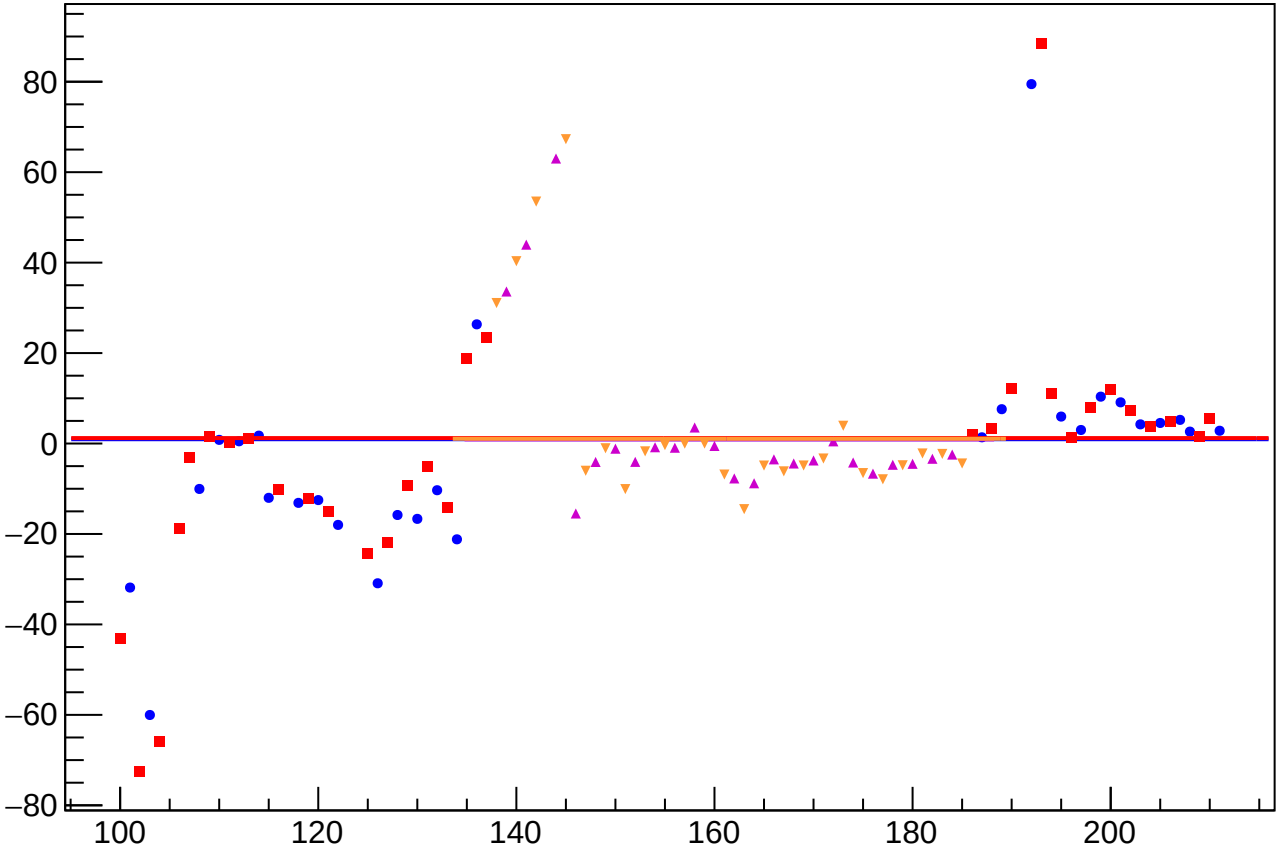
Right: 0.092+/-0.002 χ^2/NDF: 67000.5/60

In: -0.013+/-0.001 χ^2/NDF:40176.0/50

Out: -0.007+/-0.001 χ^2/NDF:42545.7/57

All: -0.010+/-0.001 χ^2/NDF: 82730.9/108

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.952+/-0.038 χ^2/NDF: 120524.1/27

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 1.204+/-0.033 χ^2/NDF: 119342.9/30

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

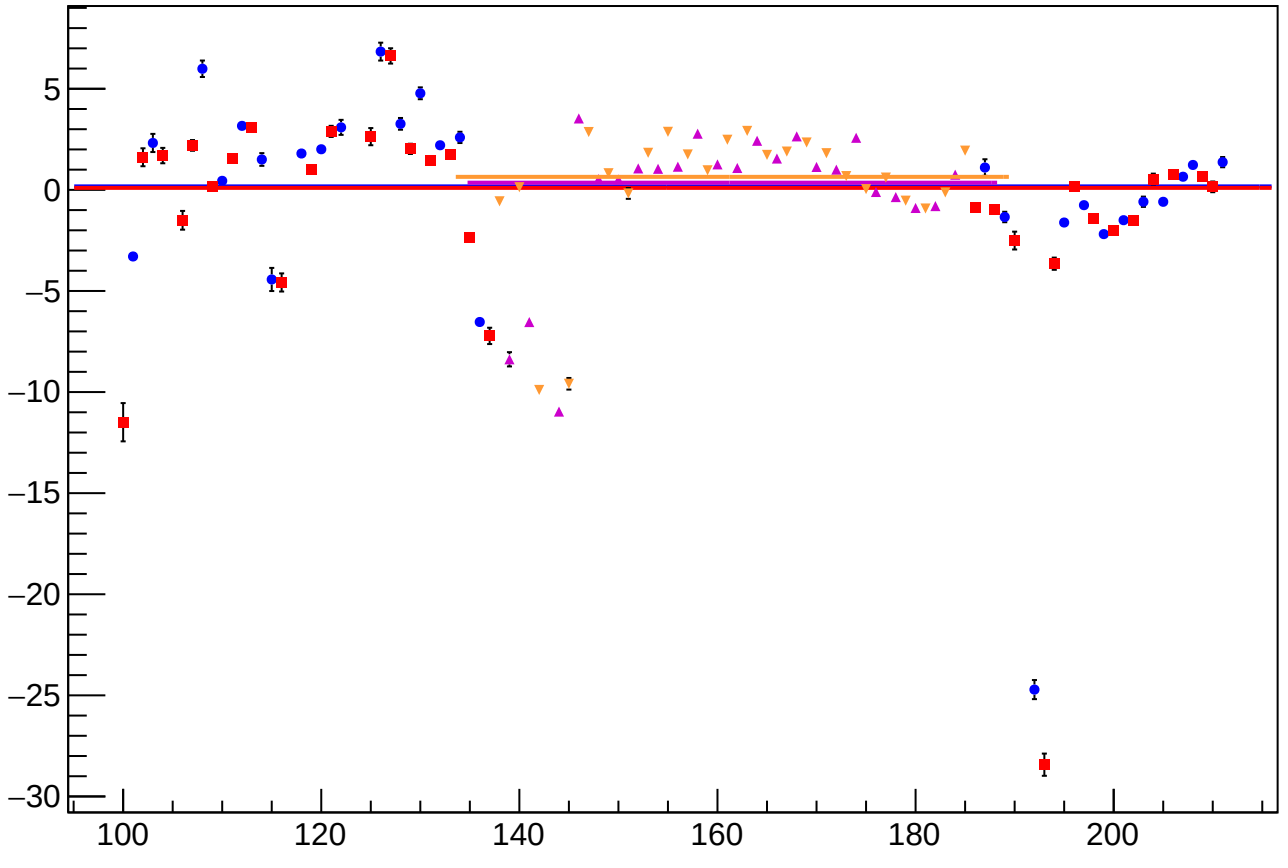
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: 1.093+/-0.025 χ^2/NDF: 239892.2/58

In: 0.933+/-0.027 χ^2/NDF:253332.1/50

Out: 1.143+/-0.026 χ^2/NDF:250382.1/54

All: 1.044+/-0.019 χ^2/NDF: 503745.4/105



Right In: 0.172+/-0.046 χ^2/NDF: 6012.7/27

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.099+/-0.043 χ^2/NDF: 4998.2/30

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

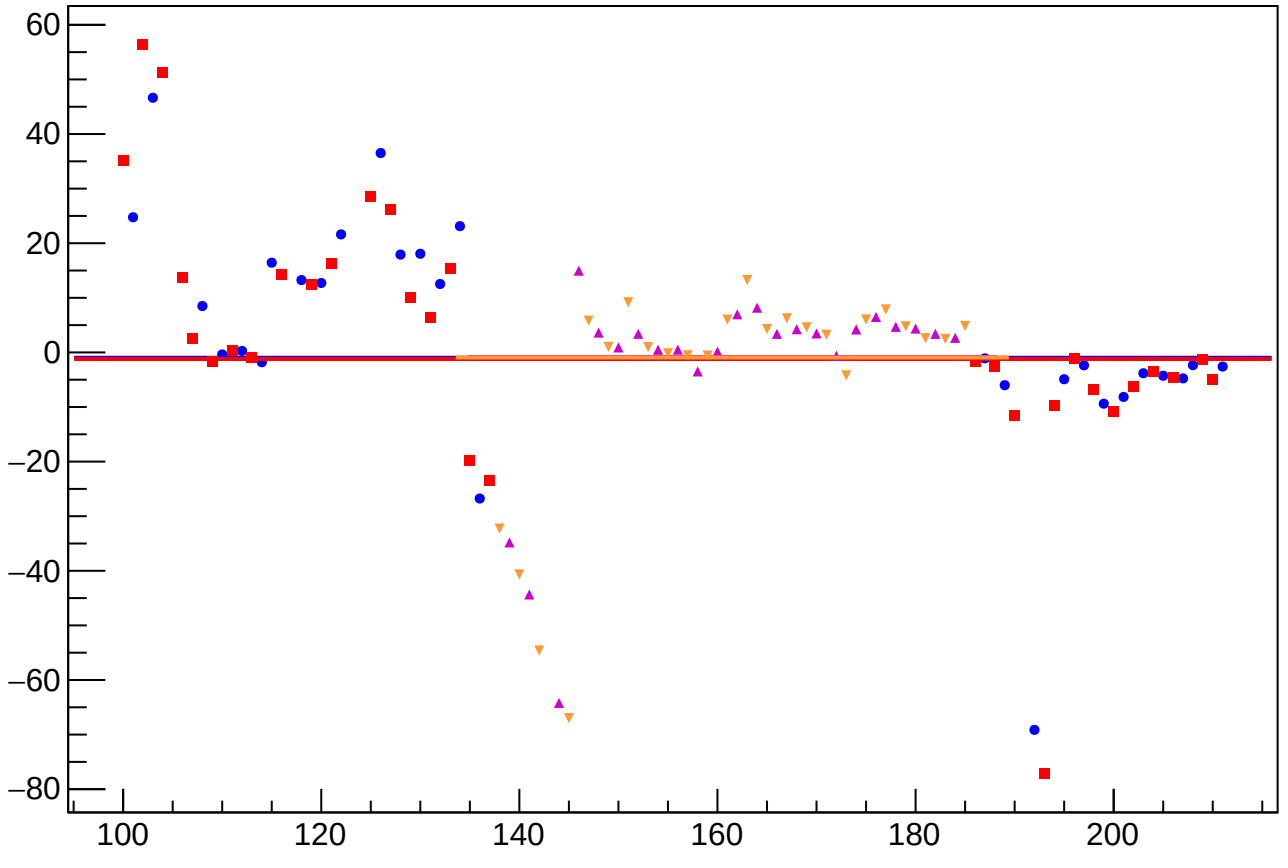
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.134+/-0.031 χ^2/NDF: 11012.2/58

In: 0.297+/-0.026 χ^2/NDF:13140.7/50

Out: 0.442+/-0.026 χ^2/NDF:9809.2/54

All: 0.368+/-0.018 χ^2/NDF: 22965.3/105



Right In: -0.982+/-0.039 χ^2/NDF: 119229.5/27

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.200+/-0.035 χ^2/NDF: 117525.1/30

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

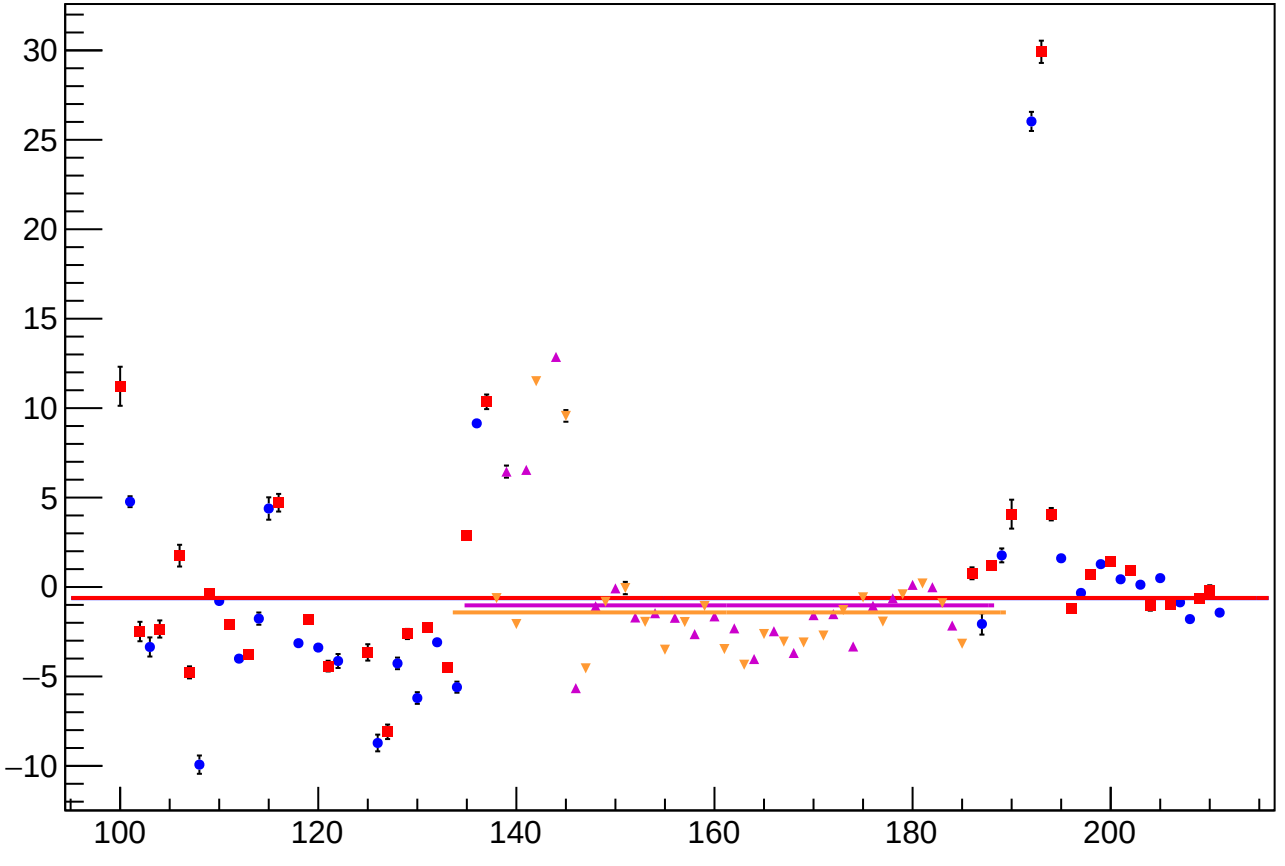
Right: -1.102+/-0.026 χ^2/NDF: 236772.0/58

In: -0.922+/-0.028 χ^2/NDF:248719.4/50

Out: -1.084+/-0.027 χ^2/NDF:243929.4/54

All: -1.006+/-0.019 χ^2/NDF: 492666.6/105

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.624+/-0.053 χ^2/NDF: 7482.0/27

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.611+/-0.050 χ^2/NDF: 5507.7/30

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

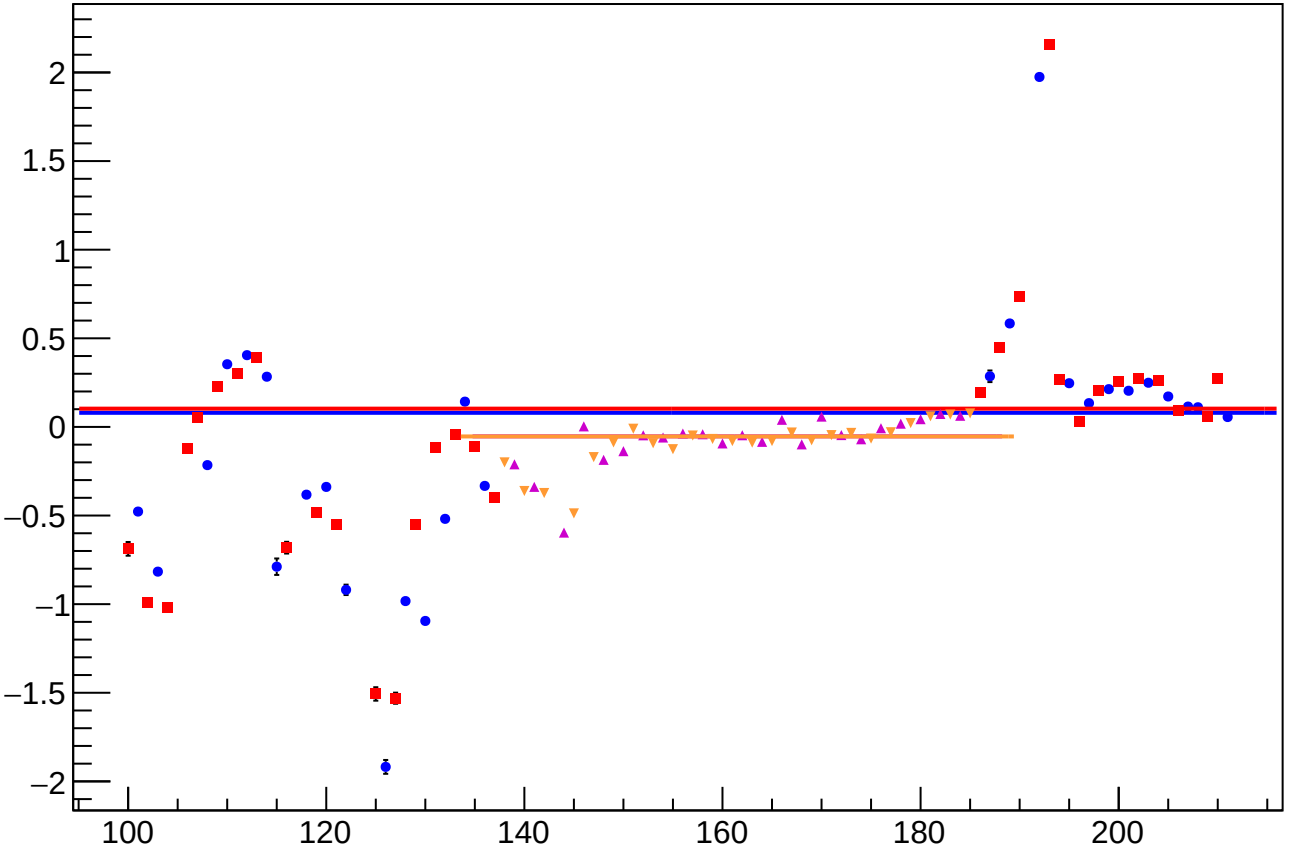
Right: -0.617+/-0.036 χ^2/NDF: 12989.7/58

In: -0.904+/-0.029 χ^2/NDF:14569.6/50

Out: -1.137+/-0.030 χ^2/NDF:10320.2/54

All: -1.019+/-0.021 χ^2/NDF: 24921.5/105

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.080+/-0.002 χ^2/NDF: 34335.5/27

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.103+/-0.002 χ^2/NDF: 34198.7/30

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

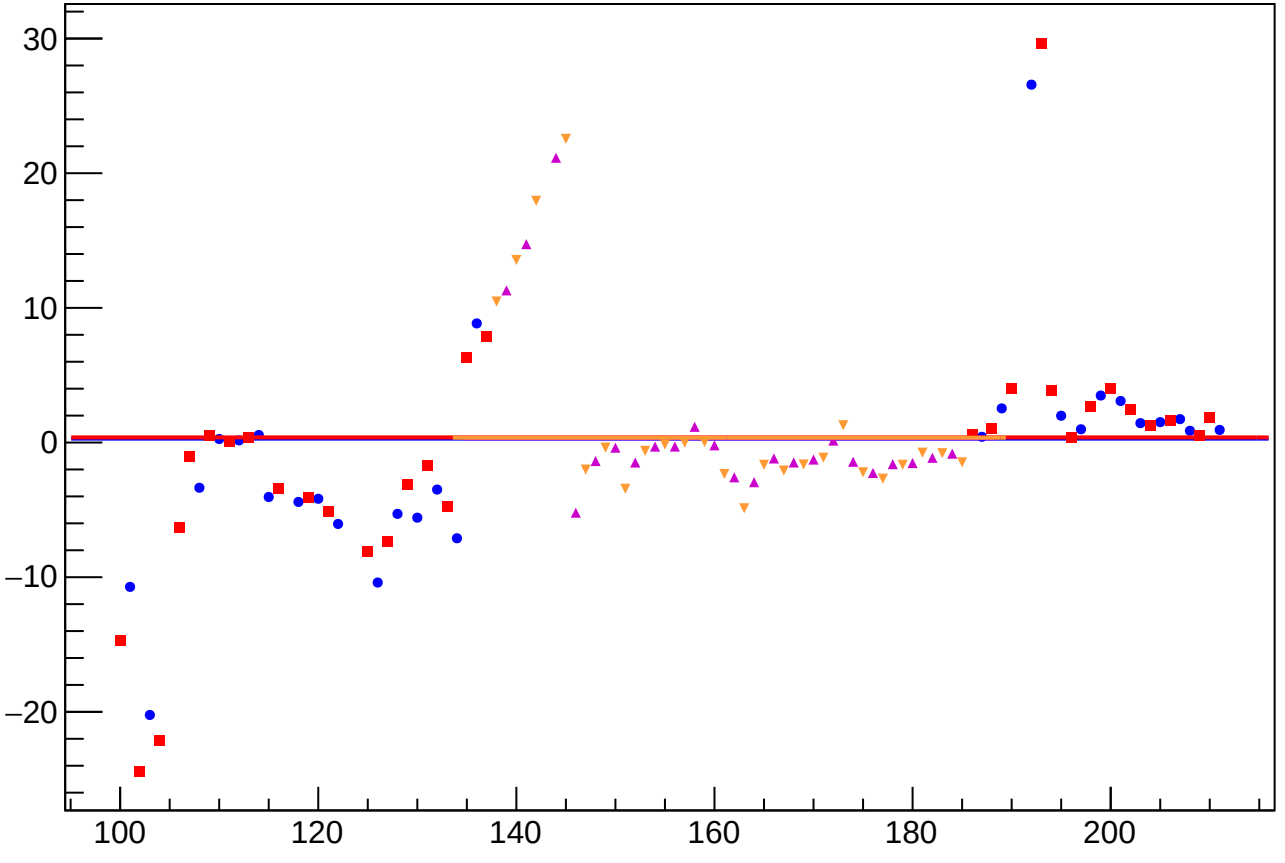
Right: 0.092+/-0.002 χ^2/NDF: 68586.1/58

In: -0.015+/-0.001 χ^2/NDF:41640.1/50

Out: -0.002+/-0.001 χ^2/NDF:41725.1/54

All: -0.009+/-0.001 χ^2/NDF: 83415.2/105

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.290+/-0.013 χ^2/NDF: 118445.2/27

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.382+/-0.012 χ^2/NDF: 117468.3/30

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

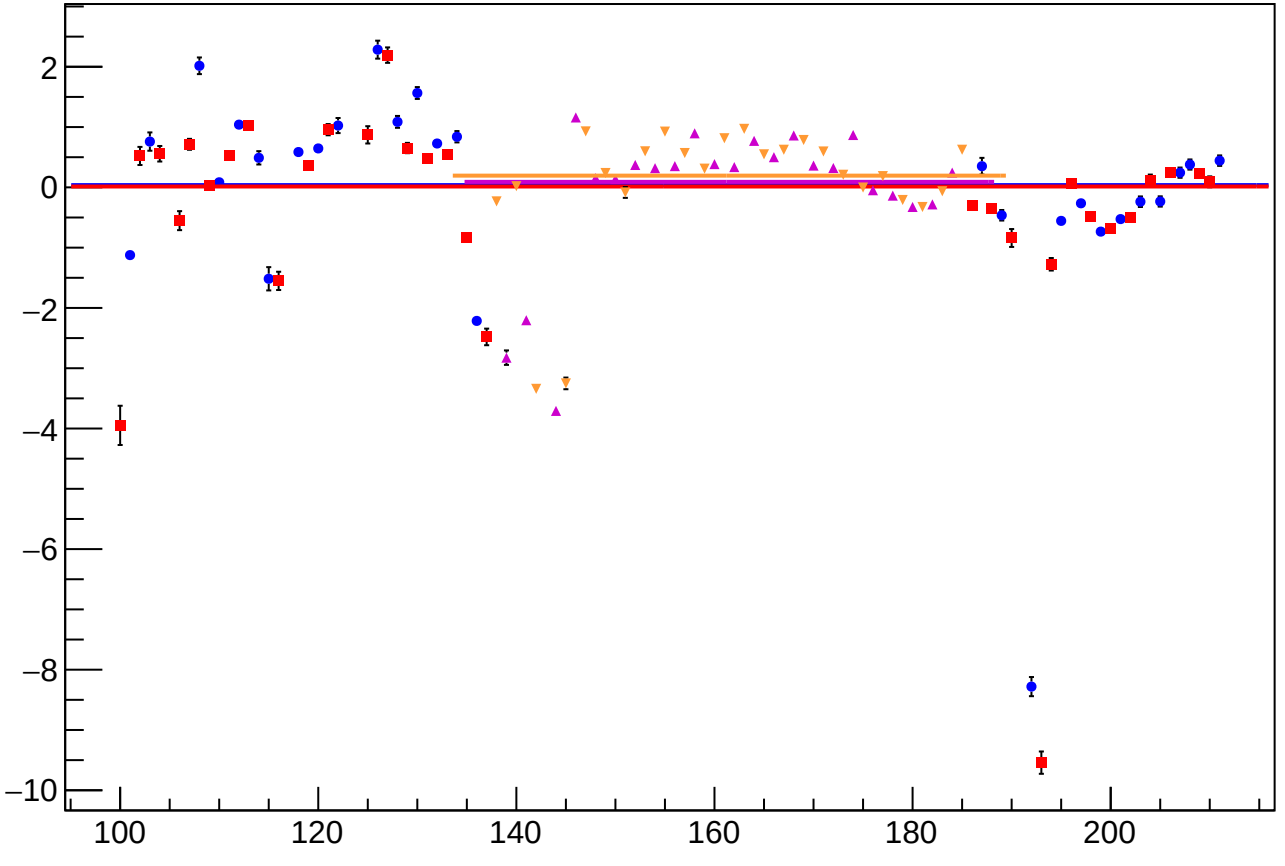
Right: 0.341+/-0.009 χ^2/NDF: 235941.5/58

In: 0.303+/-0.009 χ^2/NDF:248671.5/50

Out: 0.372+/-0.009 χ^2/NDF:246299.6/54

All: 0.340+/-0.006 χ^2/NDF: 495000.0/105

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.037+/-0.016 χ^2/NDF: 5884.6/27

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.014+/-0.015 χ^2/NDF: 4905.8/30

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

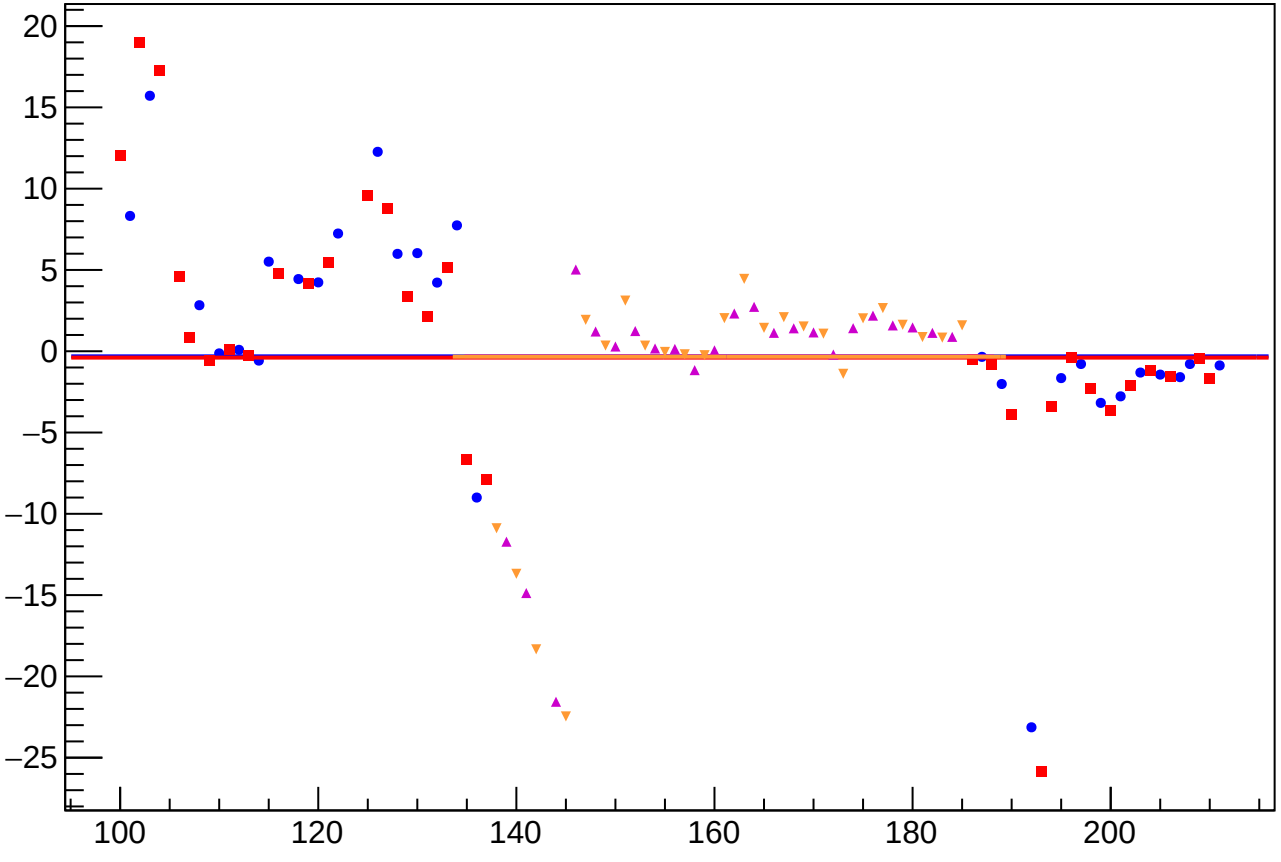
Right: 0.025+/-0.011 χ^2/NDF: 10791.5/58

In: 0.074+/-0.009 χ^2/NDF:12829.1/50

Out: 0.128+/-0.009 χ^2/NDF:9644.1/54

All: 0.100+/-0.006 χ^2/NDF: 22491.5/105

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.314+/-0.013 χ^2/NDF: 117194.1/27

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.392+/-0.012 χ^2/NDF: 115716.9/30

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

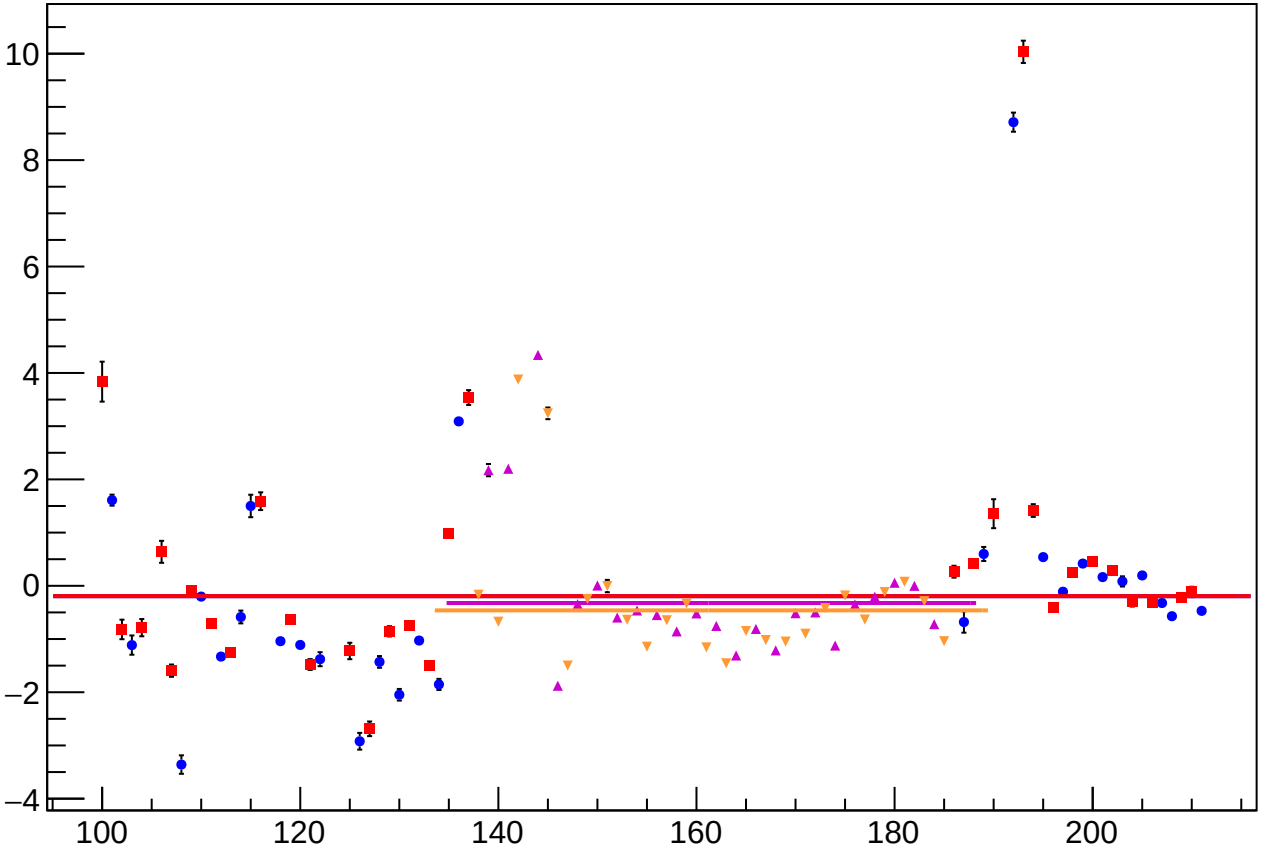
Right: -0.357+/-0.009 χ^2/NDF: 232930.0/58

In: -0.314+/-0.009 χ^2/NDF:244193.3/50

Out: -0.366+/-0.009 χ^2/NDF:239960.9/54

All: -0.341+/-0.007 χ^2/NDF: 484170.3/105

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.195+/-0.018 χ^2/NDF: 7325.2/27

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.194+/-0.017 χ^2/NDF: 5410.1/30

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

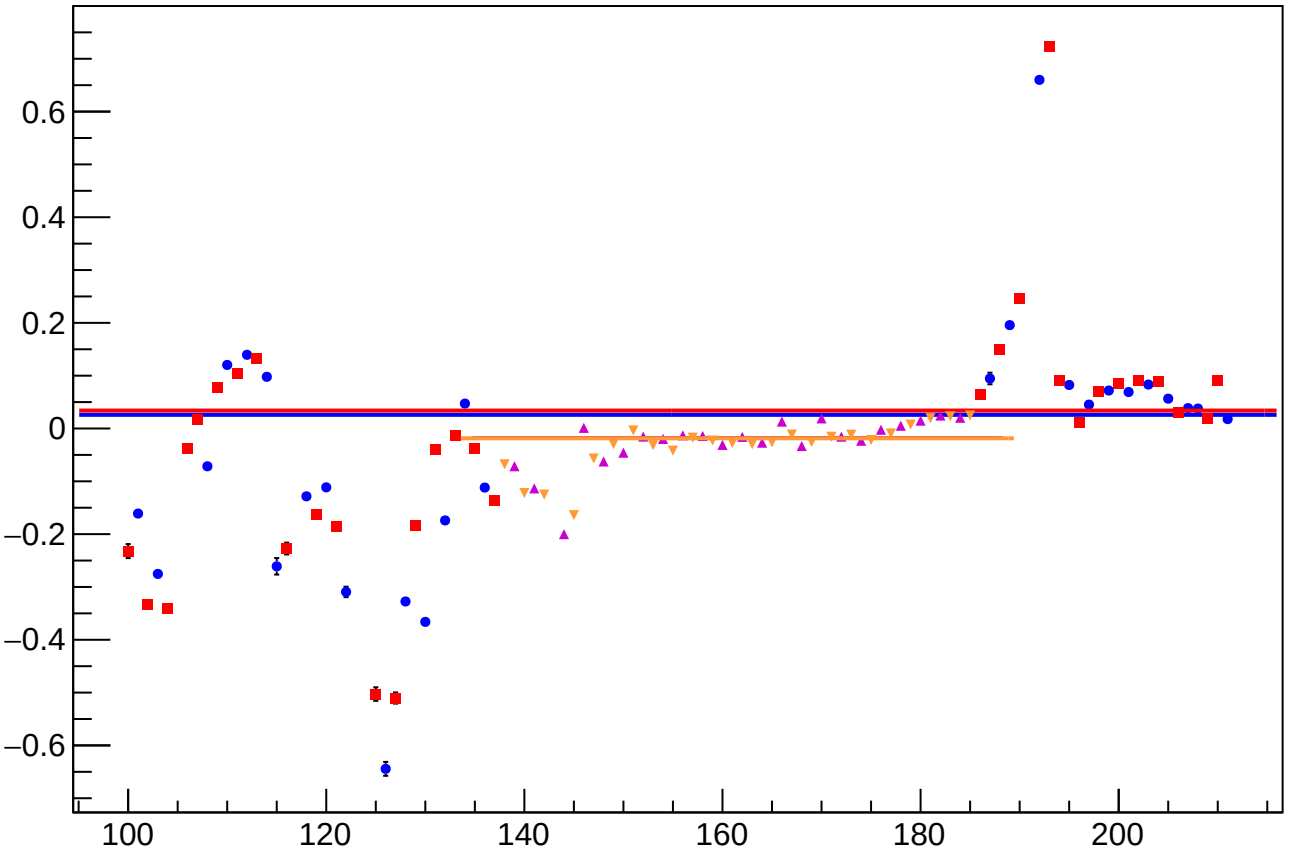
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.195+/-0.012 χ^2/NDF: 12735.3/58

In: -0.284+/-0.010 χ^2/NDF:14242.0/50

Out: -0.369+/-0.010 χ^2/NDF:10148.3/54

All: -0.326+/-0.007 χ^2/NDF: 24425.9/105



Right In: 0.026+/-0.001 χ^2/NDF: 33750.6/27

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.034+/-0.001 χ^2/NDF: 33565.9/30

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

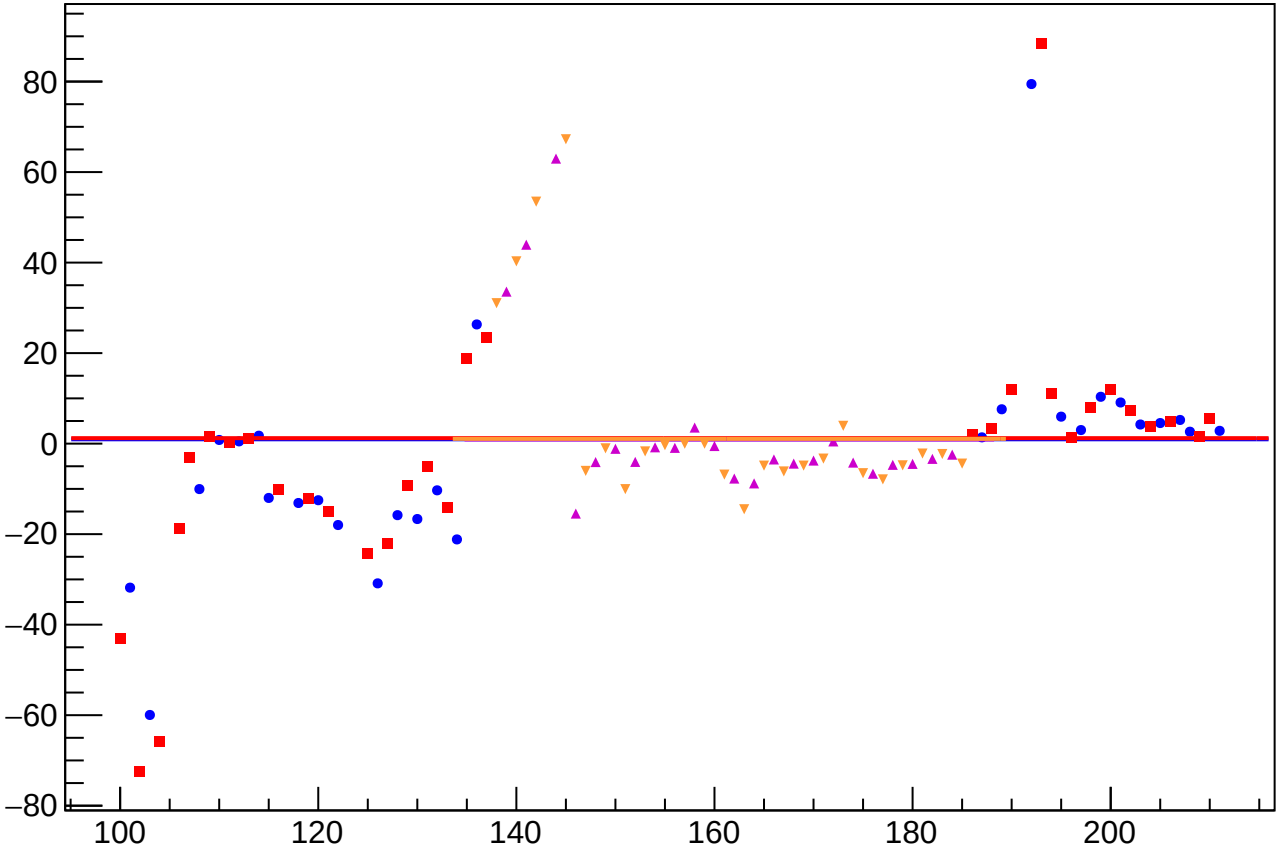
Right: 0.030+/-0.001 χ^2/NDF: 67368.8/58

In: -0.005+/-0.000 χ^2/NDF:40755.8/50

Out: -0.001+/-0.000 χ^2/NDF:40830.9/54

All: -0.003+/-0.000 χ^2/NDF: 81628.2/105

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.957+/-0.038 χ^2/NDF: 120545.1/27

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 1.209+/-0.033 χ^2/NDF: 119364.6/30

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

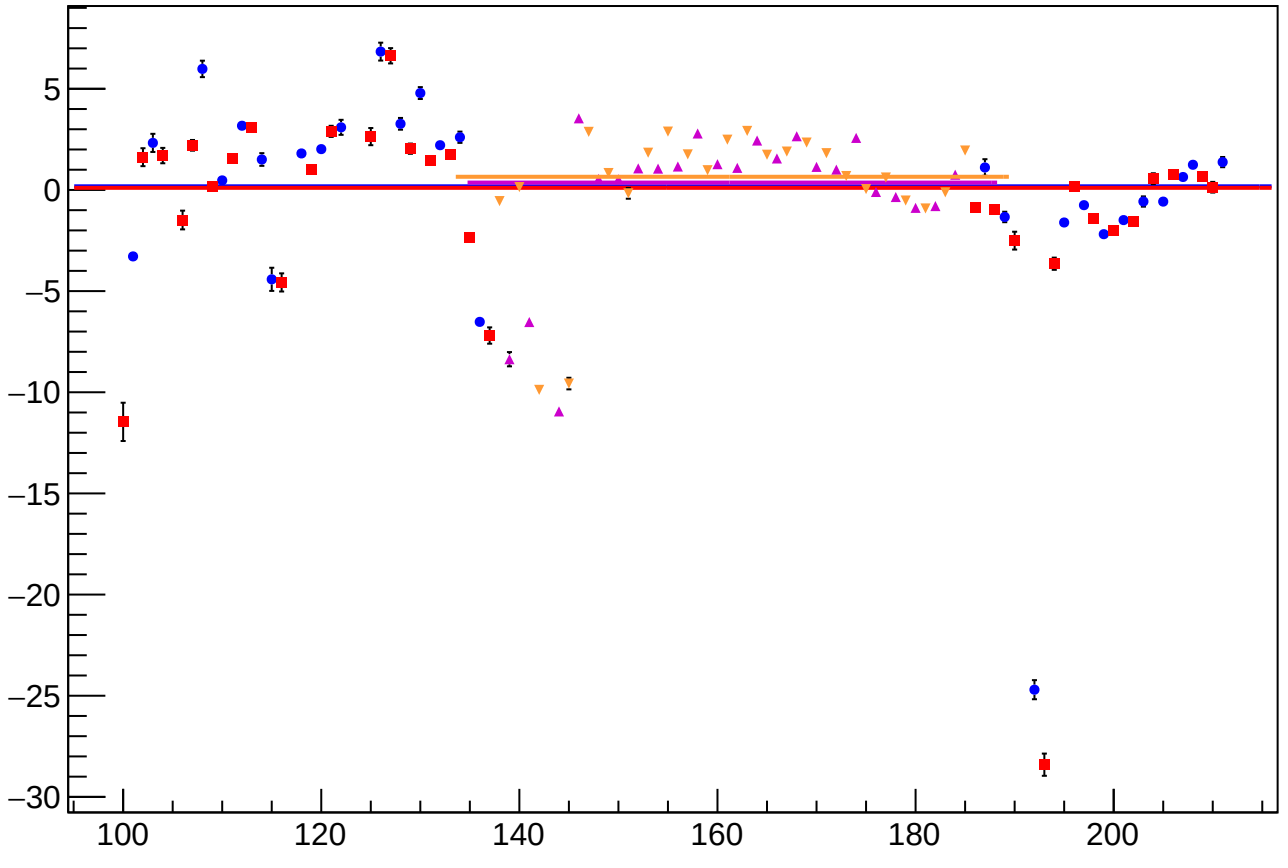
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: 1.098+/-0.025 χ^2/NDF: 239934.7/58

In: 0.938+/-0.027 χ^2/NDF:253361.9/50

Out: 1.148+/-0.026 χ^2/NDF:250383.4/54

All: 1.049+/-0.019 χ^2/NDF: 503776.5/105



Right In: 0.180+/-0.046 χ^2/NDF: 6016.4/27

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.105+/-0.043 χ^2/NDF: 4999.8/30

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

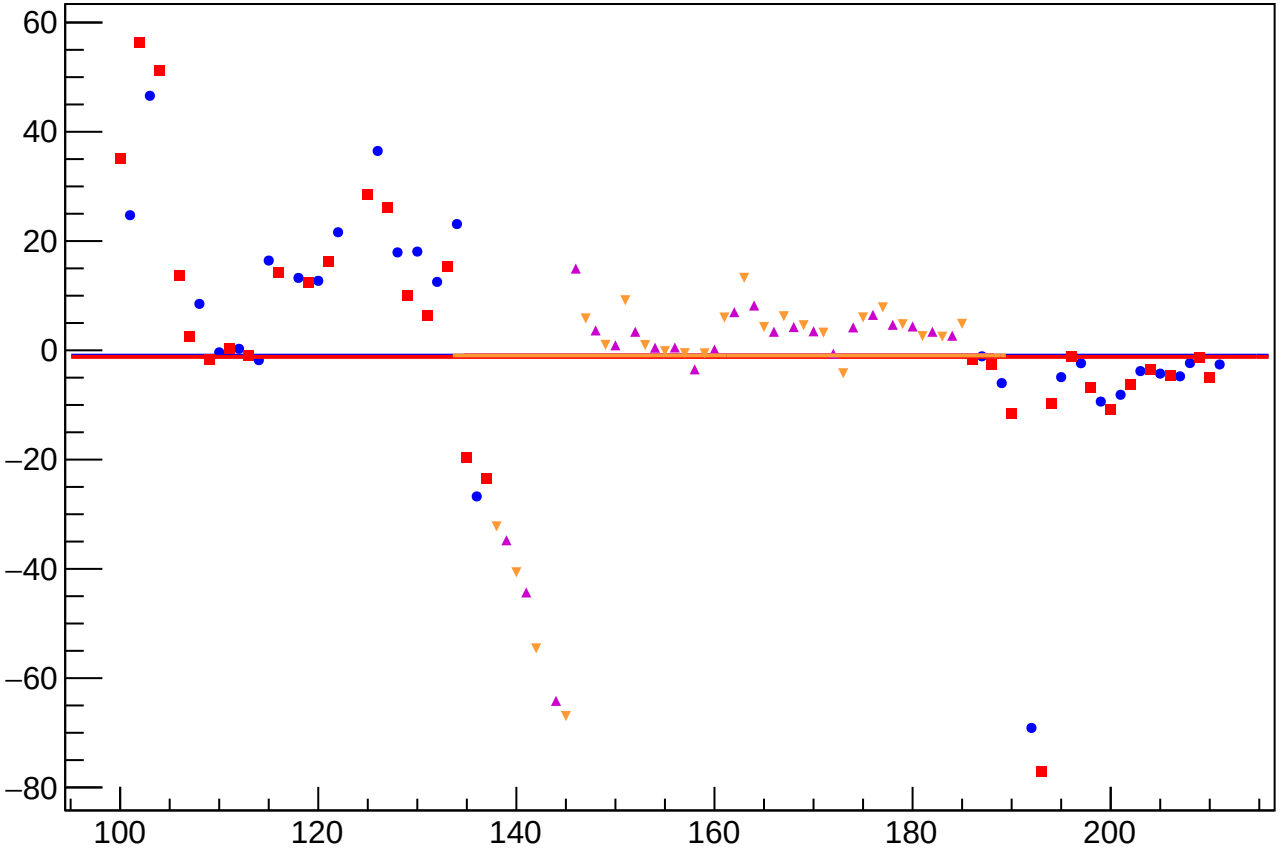
Right: 0.140+/-0.031 χ^2/NDF: 11017.6/58

In: 0.305+/-0.026 χ^2/NDF:13149.9/50

Out: 0.448+/-0.026 χ^2/NDF:9809.4/54

All: 0.375+/-0.018 χ^2/NDF: 22974.4/105

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.982+/-0.039 χ^2/NDF: 119247.8/27

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.200+/-0.035 χ^2/NDF: 117541.4/30

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

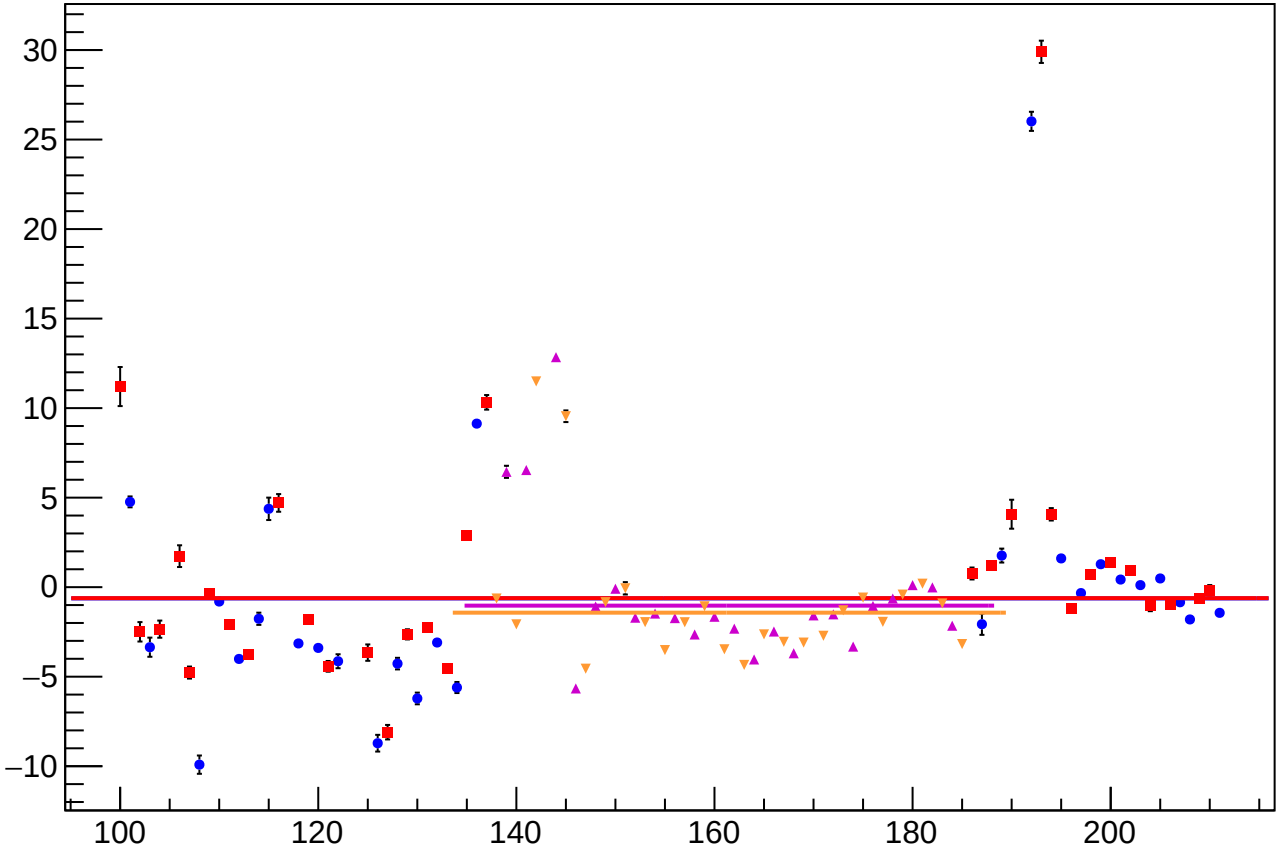
Right: -1.102+/-0.026 χ^2/NDF: 236806.6/58

In: -0.921+/-0.028 χ^2/NDF:248743.8/50

Out: -1.083+/-0.027 χ^2/NDF:243927.4/54

All: -1.005+/-0.019 χ^2/NDF: 492689.2/105

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.629+/-0.053 χ^2/NDF: 7484.9/27

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.614+/-0.050 χ^2/NDF: 5508.0/30

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

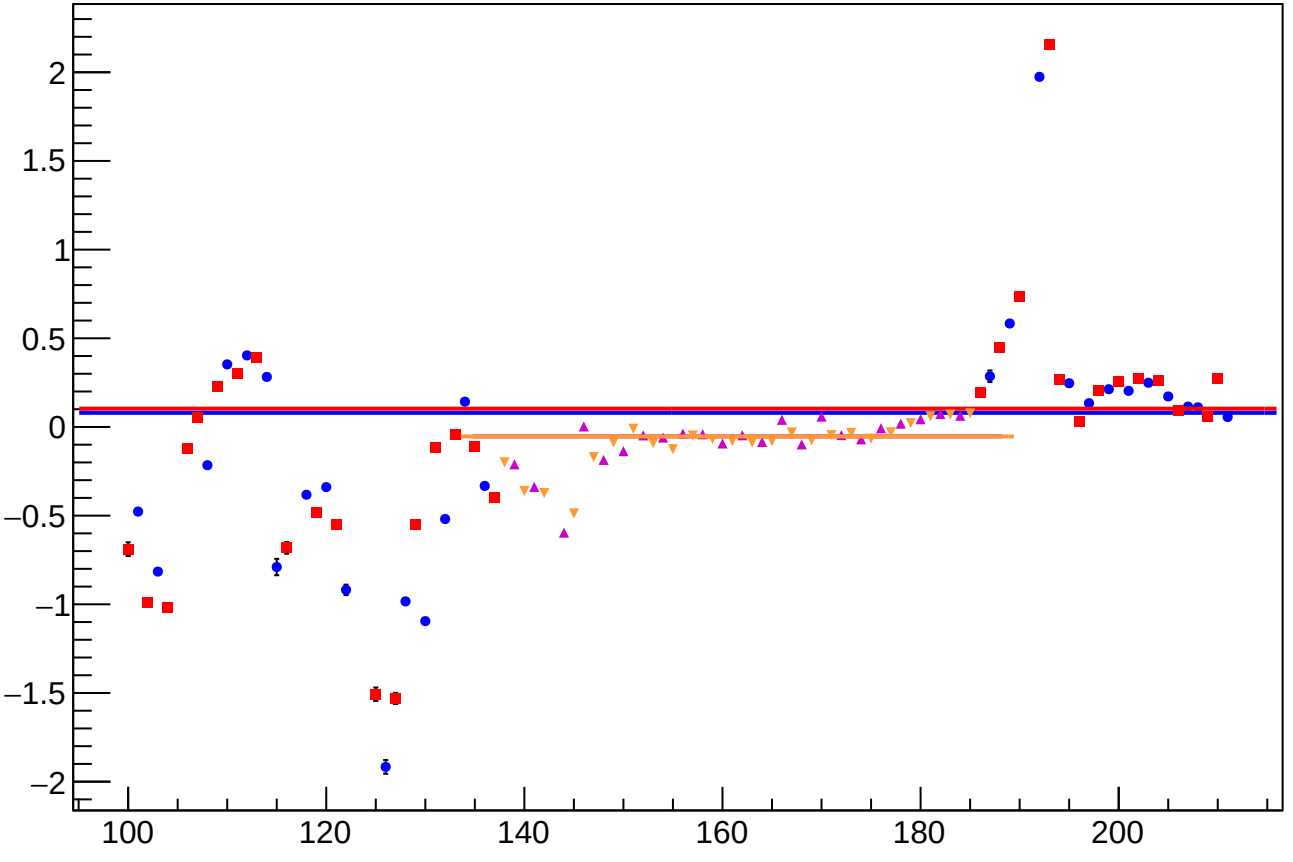
Right: -0.621+/-0.036 χ^2/NDF: 12993.0/58

In: -0.910+/-0.029 χ^2/NDF:14577.1/50

Out: -1.141+/-0.030 χ^2/NDF:10319.2/54

All: -1.023+/-0.021 χ^2/NDF: 24927.5/105

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.080+/-0.002 χ^2/NDF: 34344.4/27

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.103+/-0.002 χ^2/NDF: 34213.9/30

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

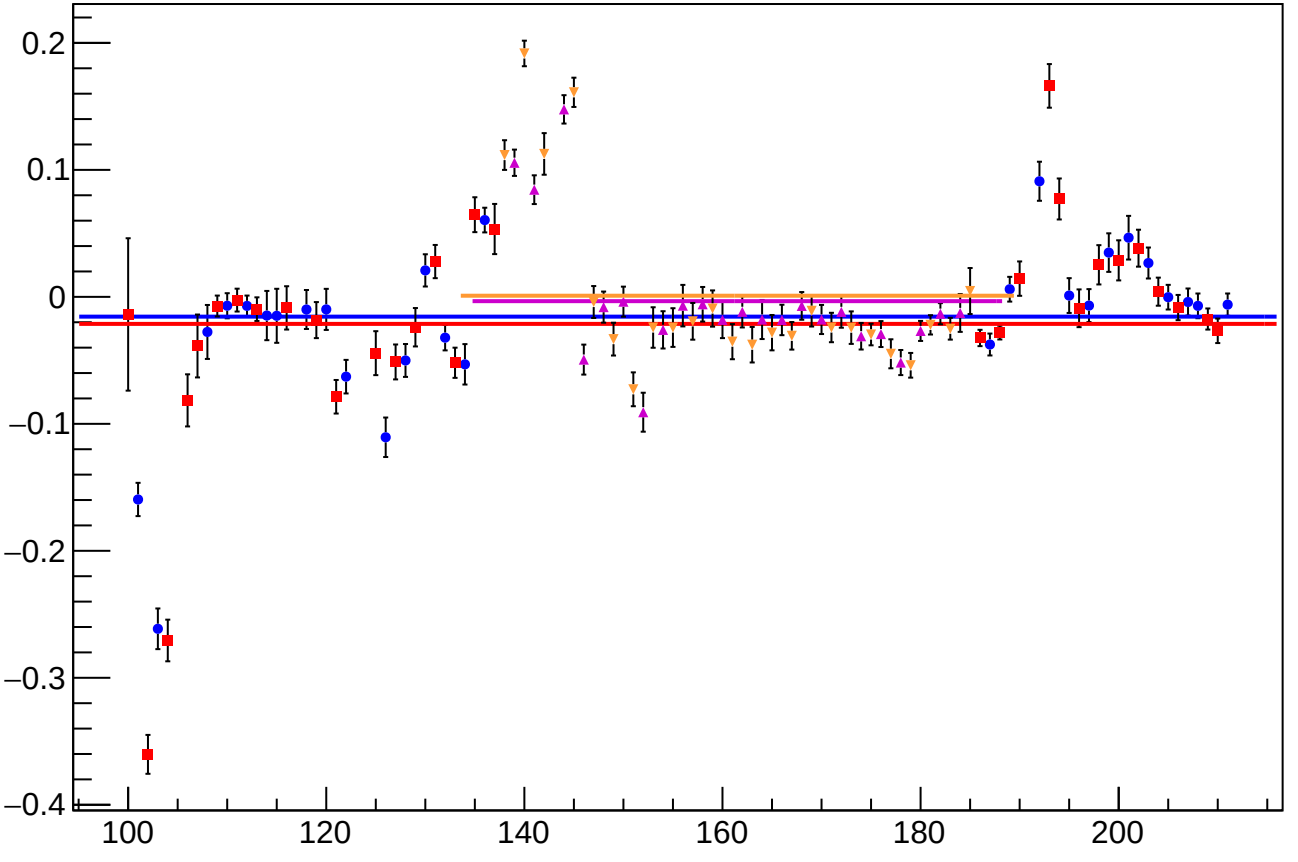
Right: 0.092+/-0.002 χ^2/NDF: 68610.3/58

In: -0.015+/-0.001 χ^2/NDF:41657.3/50

Out: -0.002+/-0.001 χ^2/NDF:41743.9/54

All: -0.009+/-0.001 χ^2/NDF: 83451.8/105

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.016+/-0.002 χ^2/NDF: 596.8/27

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.021+/-0.002 χ^2/NDF: 1051.1/30

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

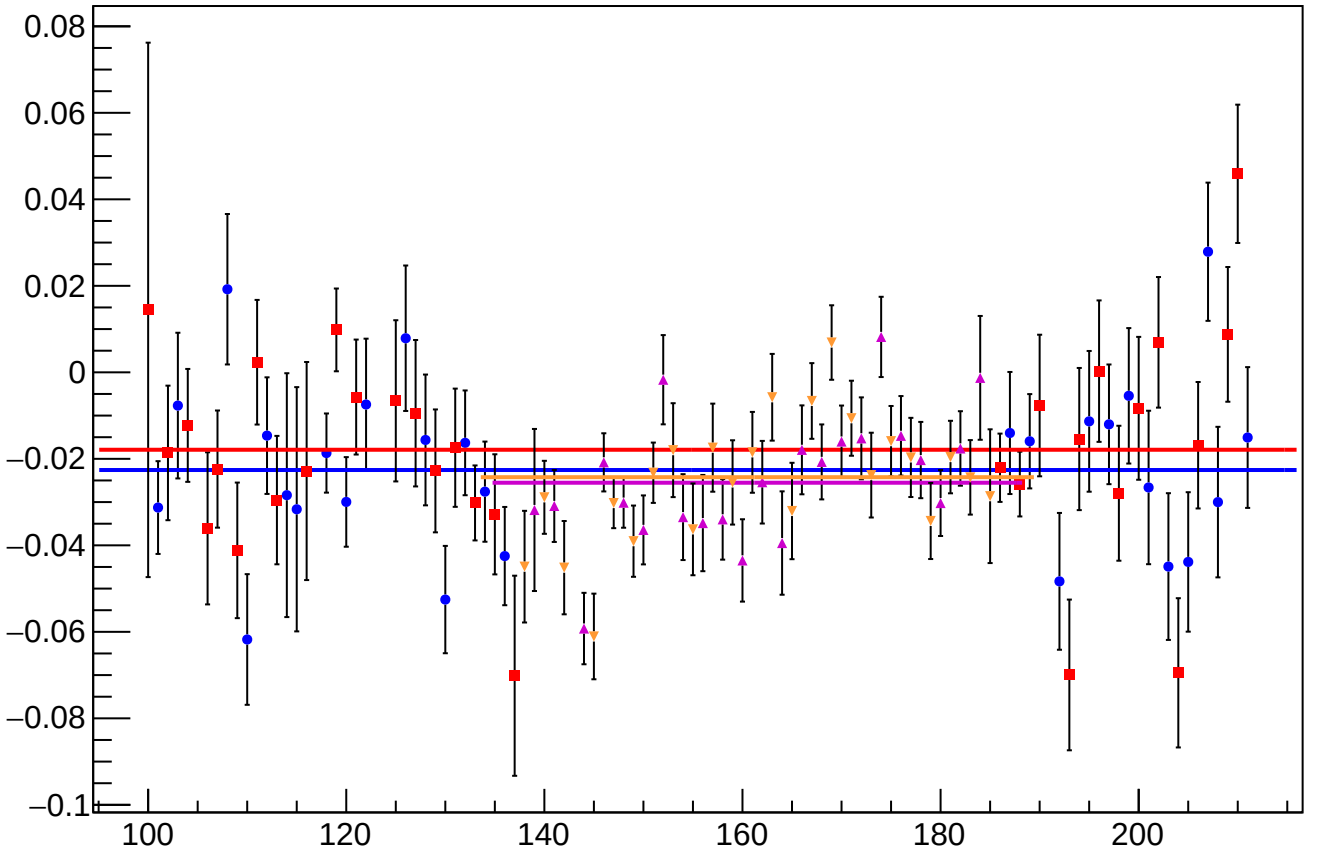
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.002 χ^2/NDF: 1651.4/58

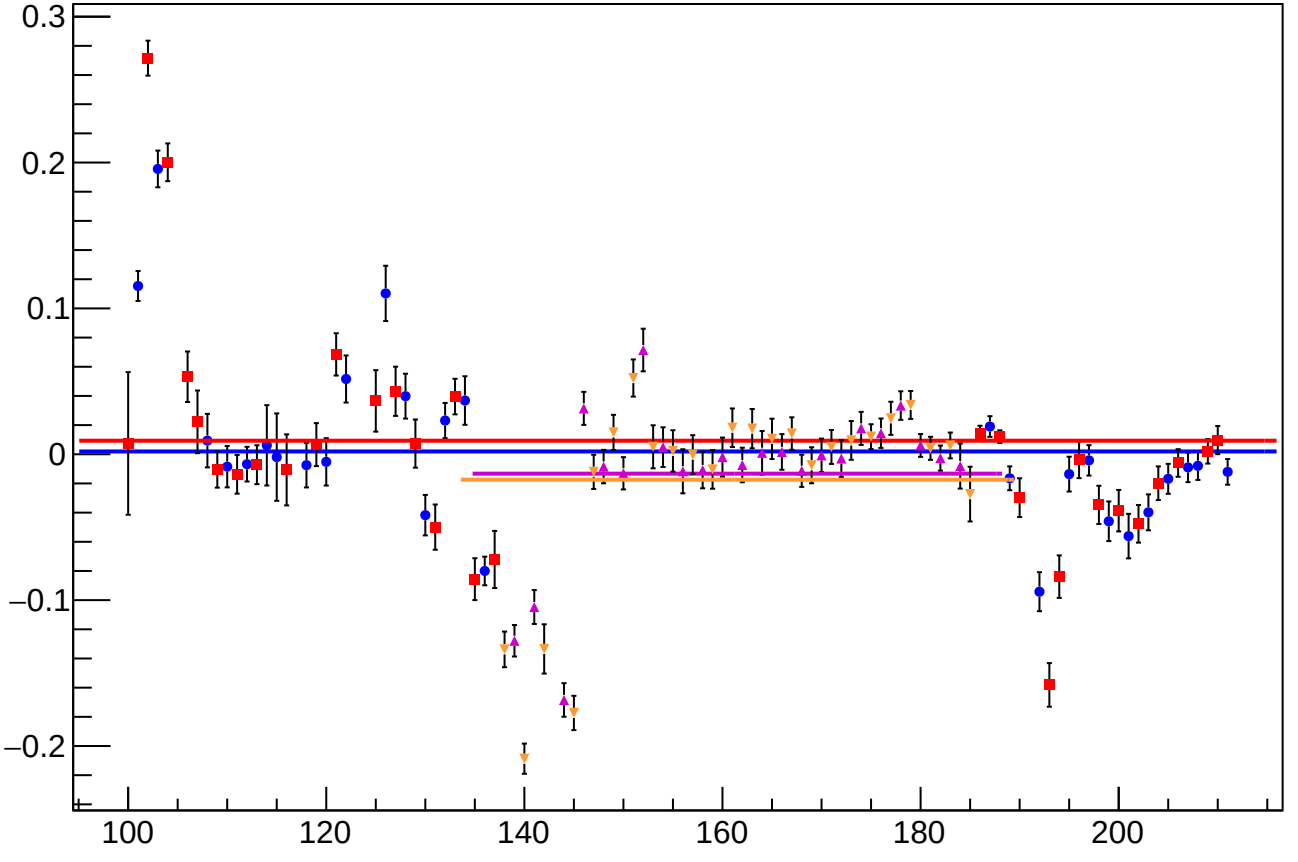
In: -0.010+/-0.002 χ^2/NDF:1068.3/50

Out: -0.012+/-0.002 χ^2/NDF:1949.8/54

All: -0.011+/-0.001 χ^2/NDF: 3018.8/105


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: -0.023+/-0.003 χ²/NDF: 48.5/27
Left Out: -0.024+/-0.002 χ²/NDF:53.7/23
Right Out: -0.018+/-0.002 χ²/NDF: 67.9/30
Left In: -0.026+/-0.002 χ²/NDF:55.0/22
Left: -0.025+/-0.001 χ²/NDF: 109.0/46
Right: -0.020+/-0.002 χ²/NDF: 118.1/58
In: -0.025+/-0.002 χ²/NDF:104.3/50
Out: -0.022+/-0.001 χ²/NDF:125.9/54
All: -0.023+/-0.001 χ²/NDF: 231.7/105

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.002 χ^2/NDF: 607.8/27

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.009+/-0.002 χ^2/NDF: 1043.9/30

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

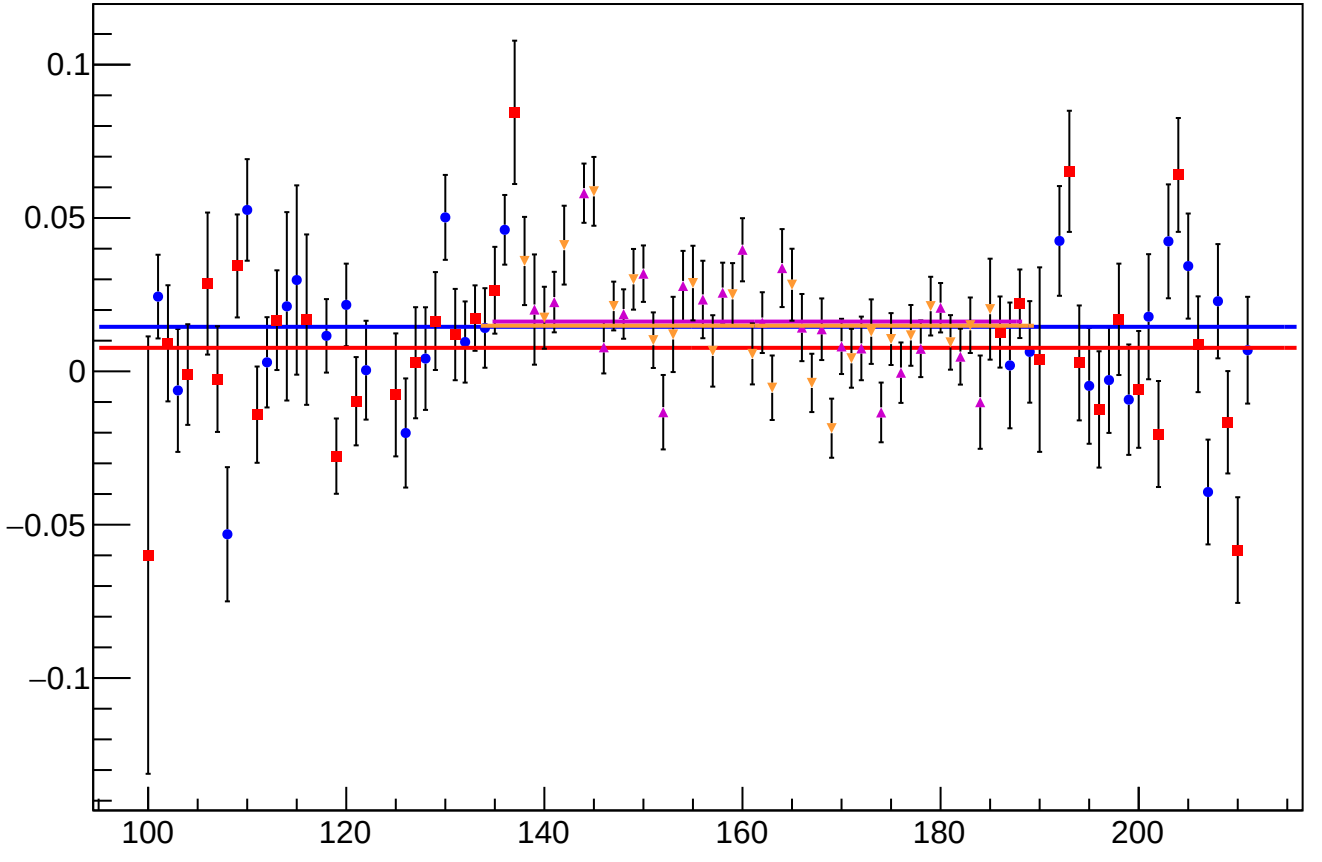
Right: 0.006+/-0.002 χ^2/NDF: 1657.7/58

In: -0.005+/-0.002 χ^2/NDF:1087.9/50

Out: -0.002+/-0.002 χ^2/NDF:1929.7/54

All: -0.003+/-0.001 χ^2/NDF: 3020.0/105

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.015+/-0.003 χ^2/NDF: 58.0/27

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.008+/-0.003 χ^2/NDF: 72.3/30

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

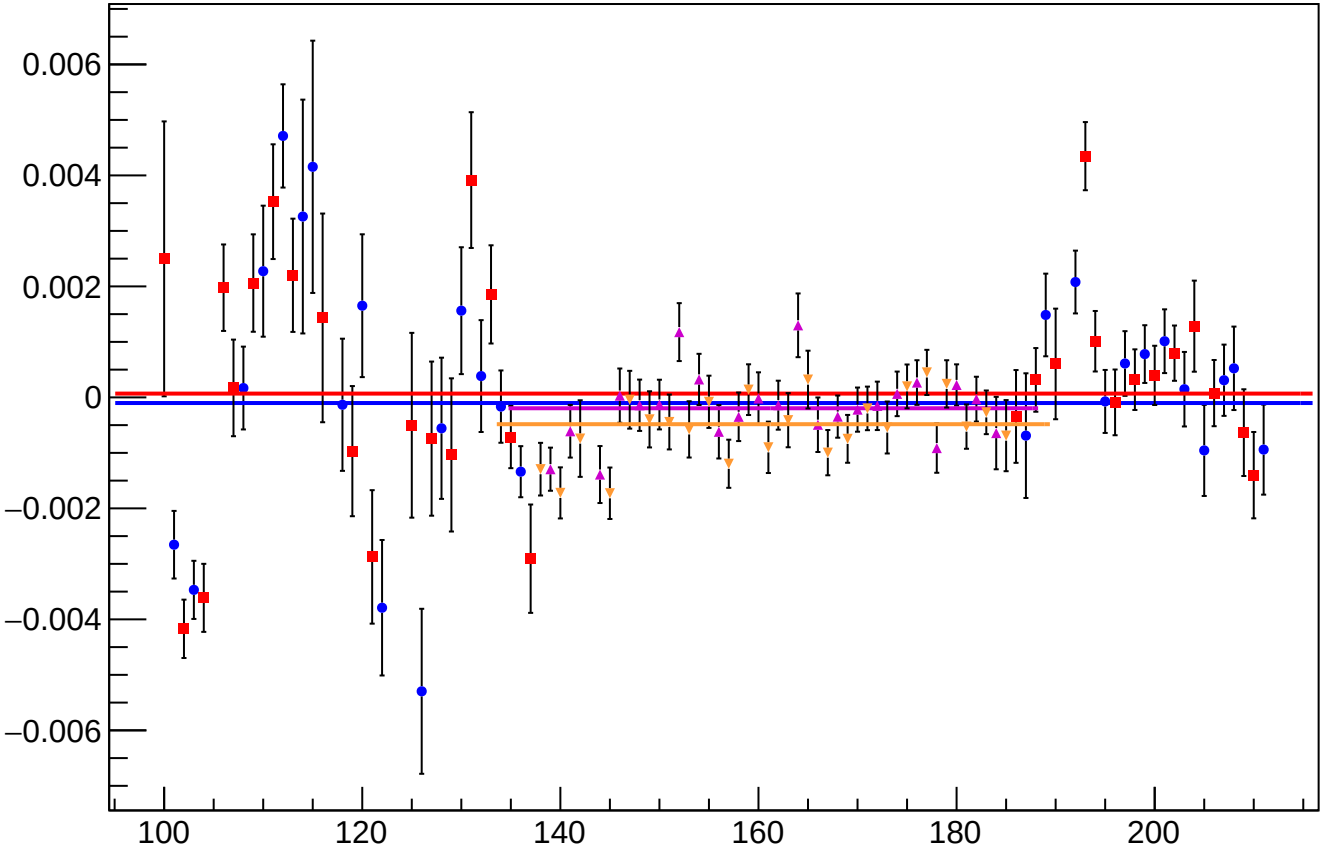
Right: 0.011+/-0.002 χ^2/NDF: 132.9/58

In: 0.016+/-0.002 χ^2/NDF:116.2/50

Out: 0.012+/-0.002 χ^2/NDF:128.3/54

All: 0.014+/-0.001 χ^2/NDF: 246.2/105

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 160.0/27

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 223.9/30

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

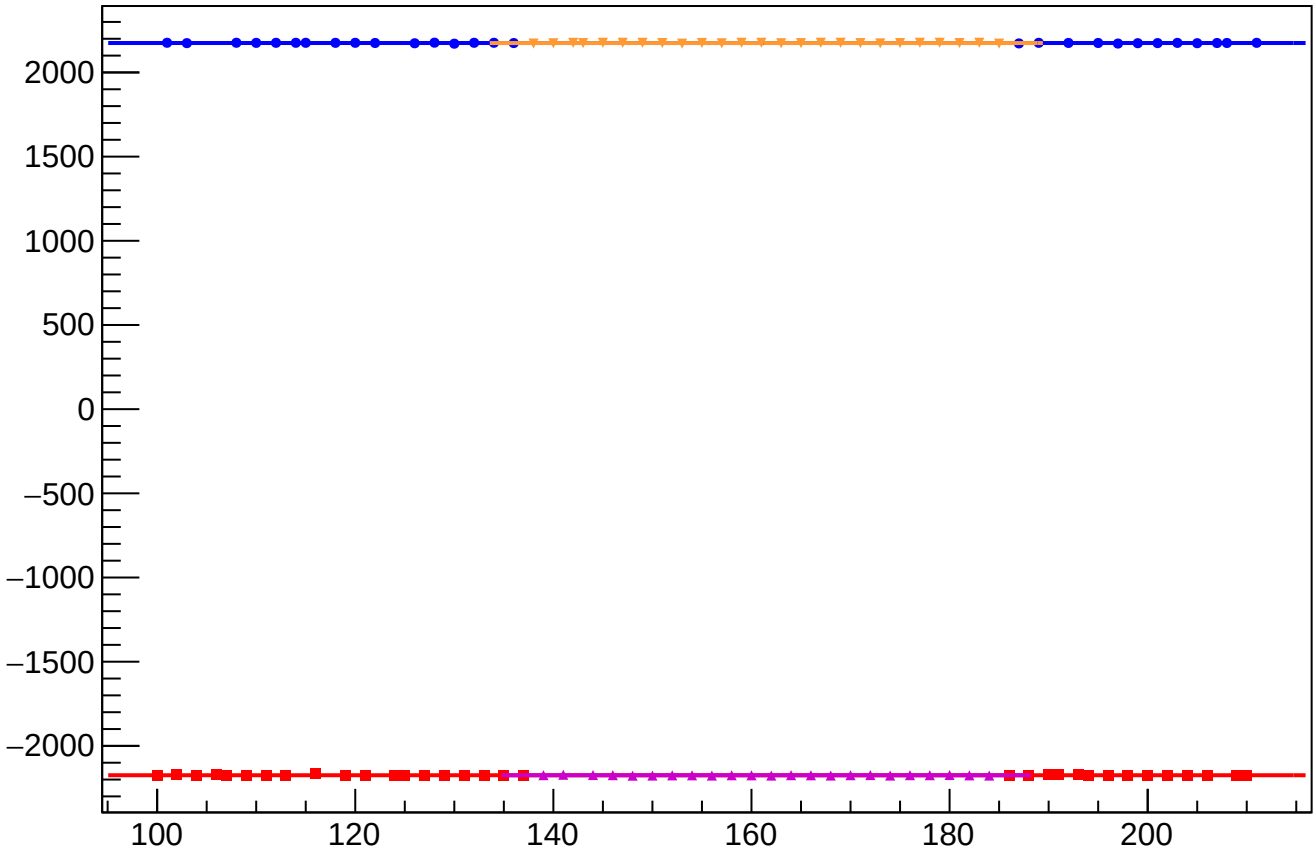
Right: -0.000+/-0.000 χ^2/NDF: 384.7/58

In: -0.000+/-0.000 χ^2/NDF:197.5/50

Out: -0.000+/-0.000 χ^2/NDF:276.0/54

All: -0.000+/-0.000 χ^2/NDF: 475.1/105

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.828+/-0.000 χ^2/NDF: 32977833093026165842599035839447 04.0/27

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.387+/-0.000 χ^2/NDF: 10203639849149248531687043156148224.0/32

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

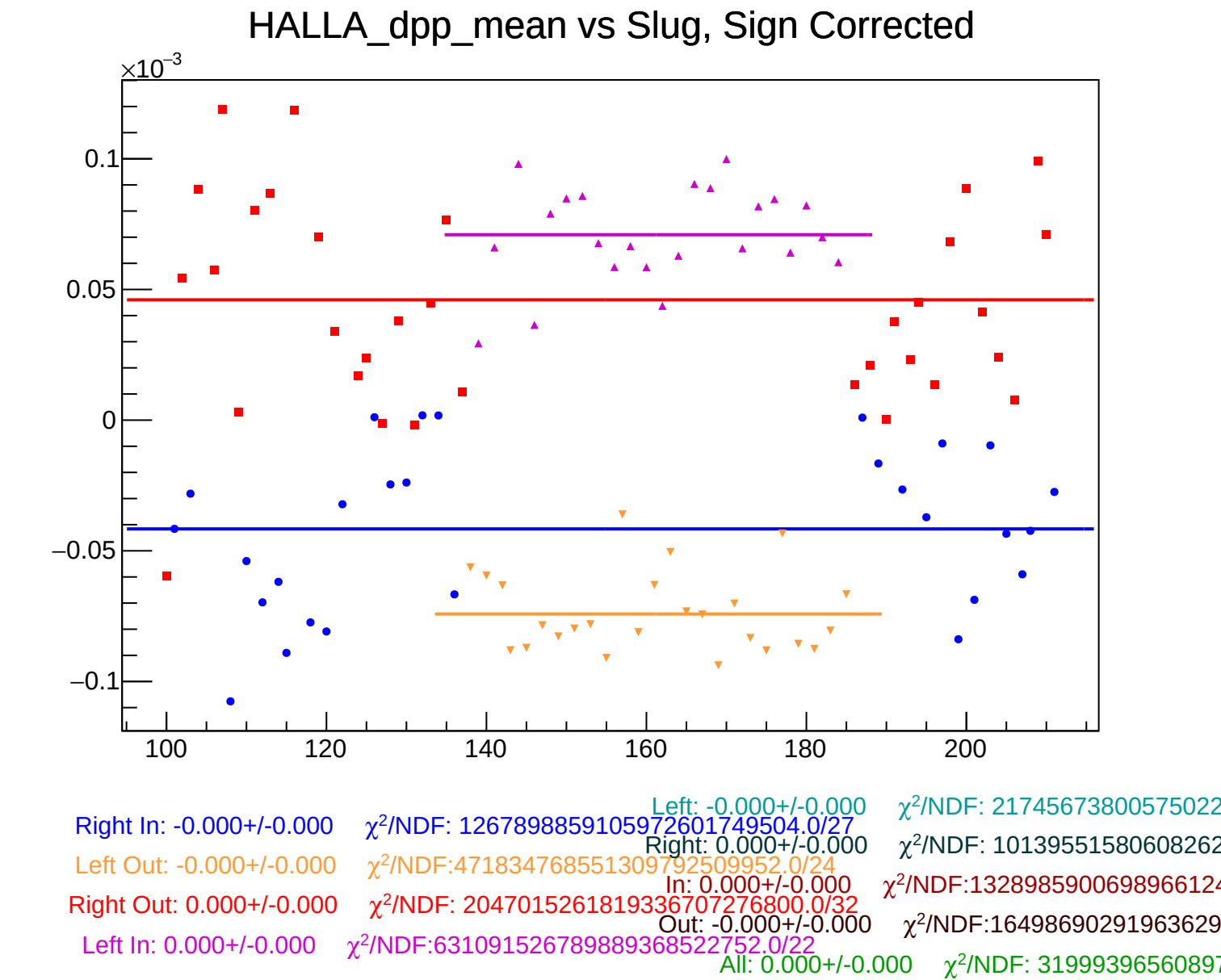
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -95.071+/-0.000 χ^2/NDF: 1680263623629994

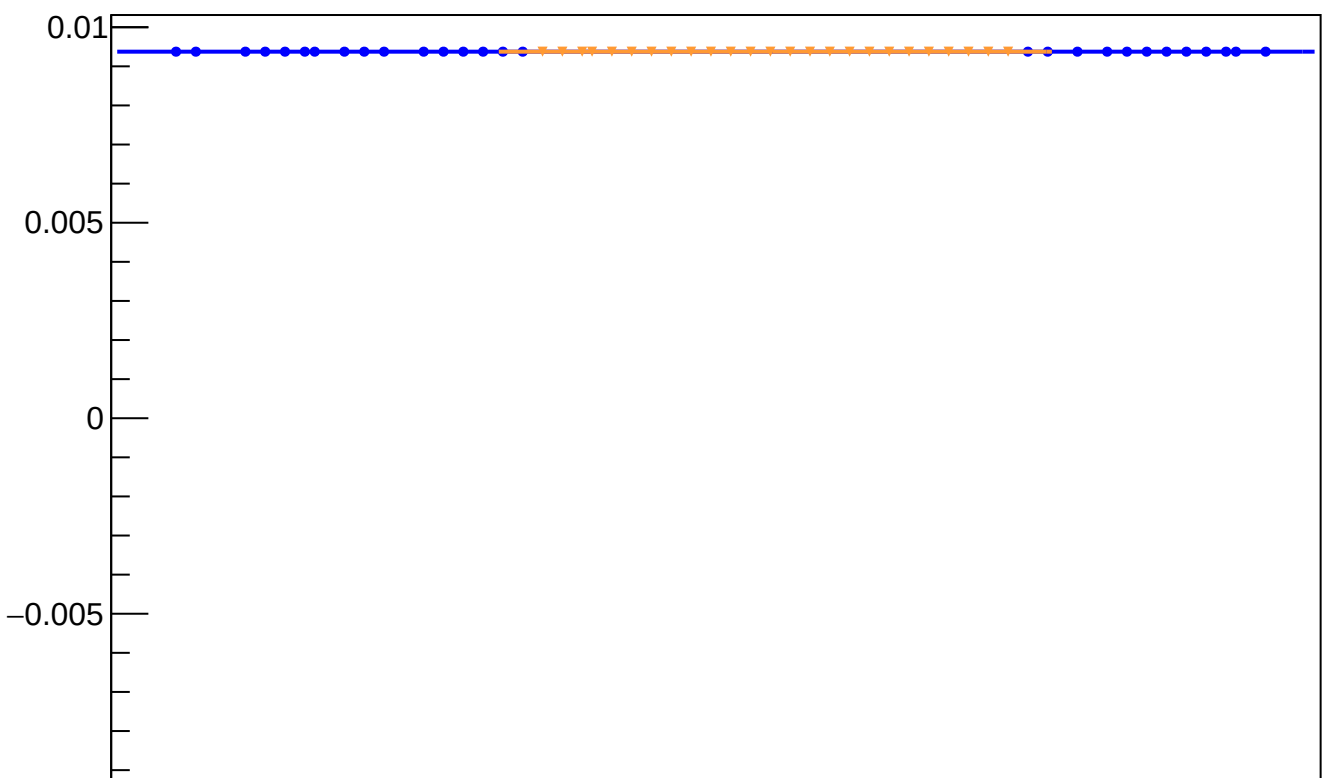
In: -122.832+/-0.000 χ^2/NDF:17008849812903951

Out: 89.891+/-0.000 χ^2/NDF:18296509459038829

All: -12.662+/-0.000 χ^2/NDF: 353899155129


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: 1267898859105972601749504.0/27
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 204701526181933670727680.0/32
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: 10139551580608262
In: 0.000+/-0.000 χ²/NDF:132898590069896612
Out: -0.000+/-0.000 χ²/NDF:16498690291963629
All: 0.000+/-0.000 χ²/NDF: 3199939656089

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

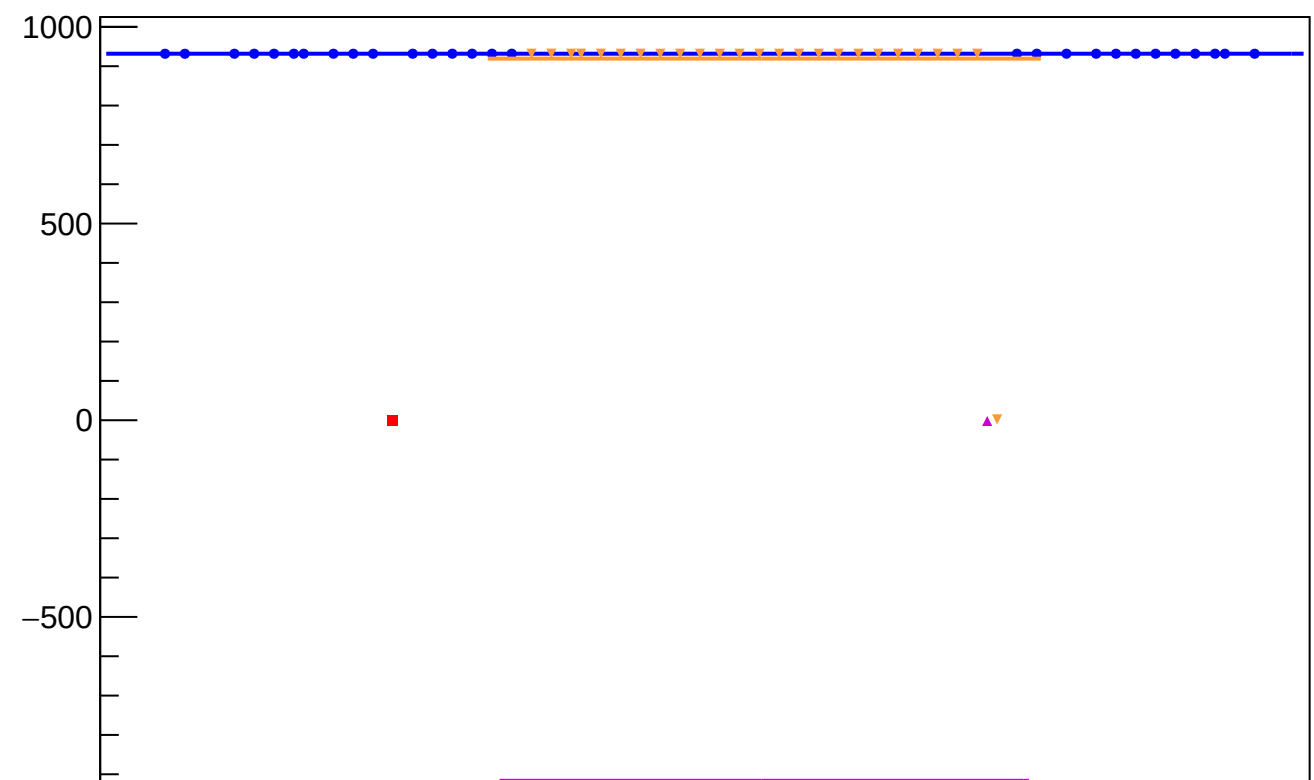
Right: -0.000+/-0.000 χ^2/NDF: 31228980863763960

In: -0.001+/-0.000 χ^2/NDF:316095612181262948

Out: 0.000+/-0.000 χ^2/NDF:340083567143961815

All: -0.000+/-0.000 χ^2/NDF: 6577507014965

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.779+/-0.000 χ^2/NDF: 339882041691408859364529170022 4.0/27

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

Right Out: -924.258+/-0.000 χ^2/NDF: 1291720267037068745935155853530025 1648.0/32

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

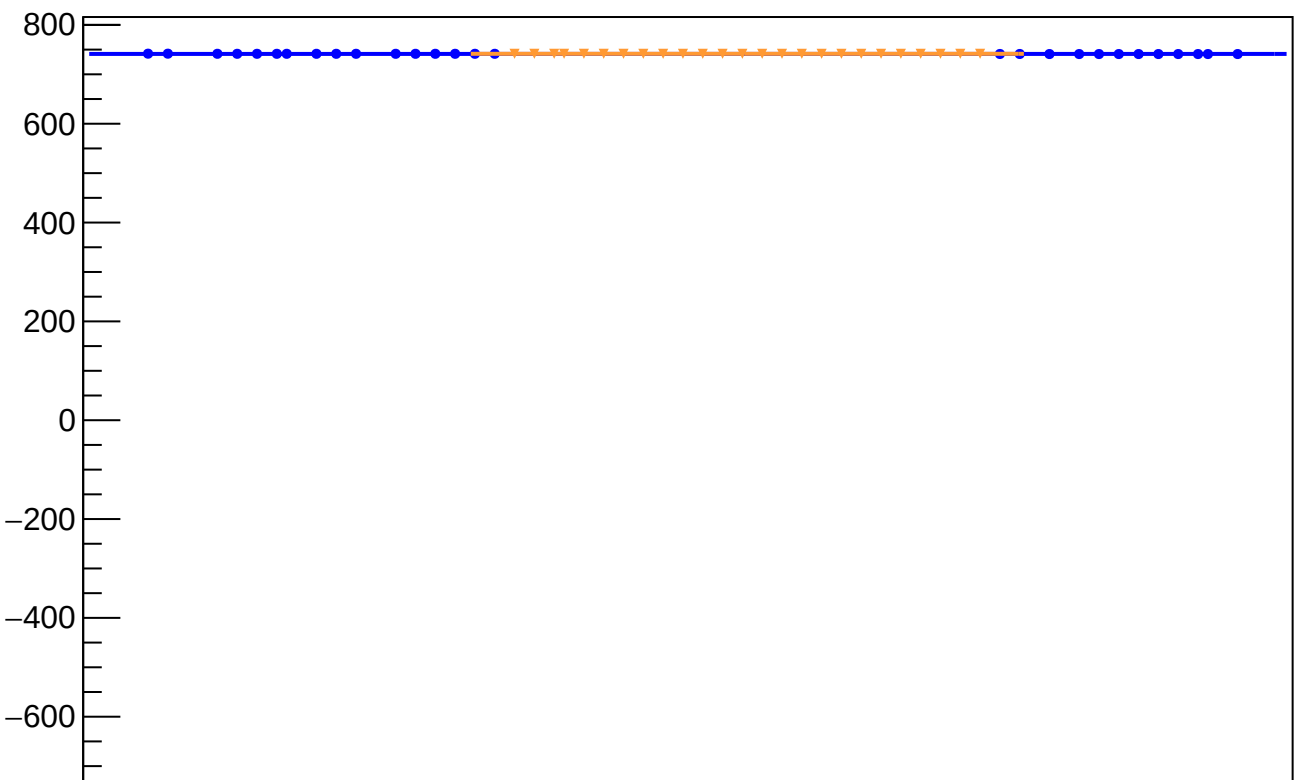
Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

Right: -36.906+/-0.000 χ^2/NDF: 307296719630290

In: -44.694+/-0.000 χ^2/NDF:309838525768460 73

Out: 35.596+/-0.000 χ^2/NDF:332384213687711 38

All: -3.111+/-0.000 χ^2/NDF: 6434273356595



Right In: 741.268+/-0.000 χ^2/NDF: 126603185478355140435044821106688.0/27

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.265+/-0.000 χ^2/NDF: 136262165412308523769372451274752.0/32

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

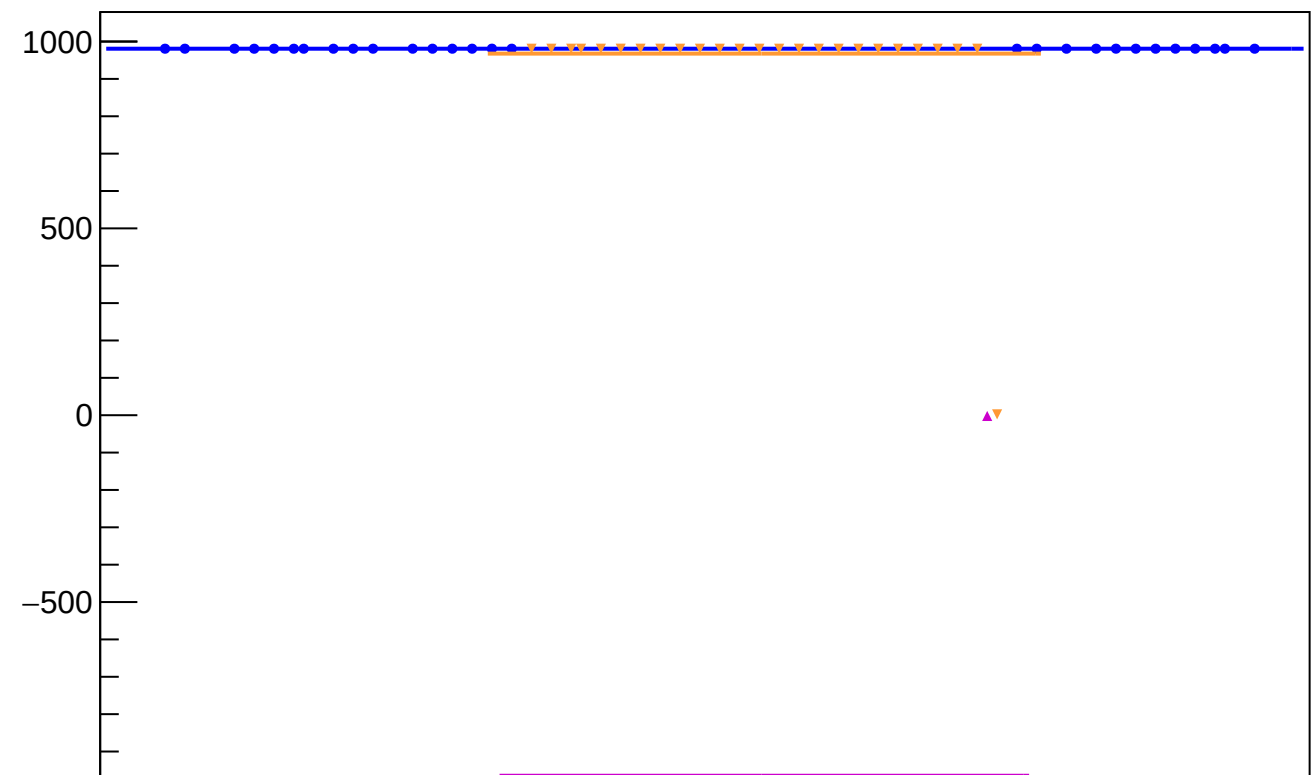
Right: -32.481+/-0.000 χ^2/NDF: 1952378578308165

In: -42.041+/-0.000 χ^2/NDF:19768315172811859

Out: 30.728+/-0.000 χ^2/NDF:21268429253156718

All: -4.354+/-0.000 χ^2/NDF: 411356944437

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

Right In: 980.805+/-0.000 χ^2/NDF: 1875323104878462179214972944384.0/27

Right: -42.965+/-0.000 χ^2/NDF: 341797740938939

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

In: -47.029+/-0.000 χ^2/NDF:34329016689206448

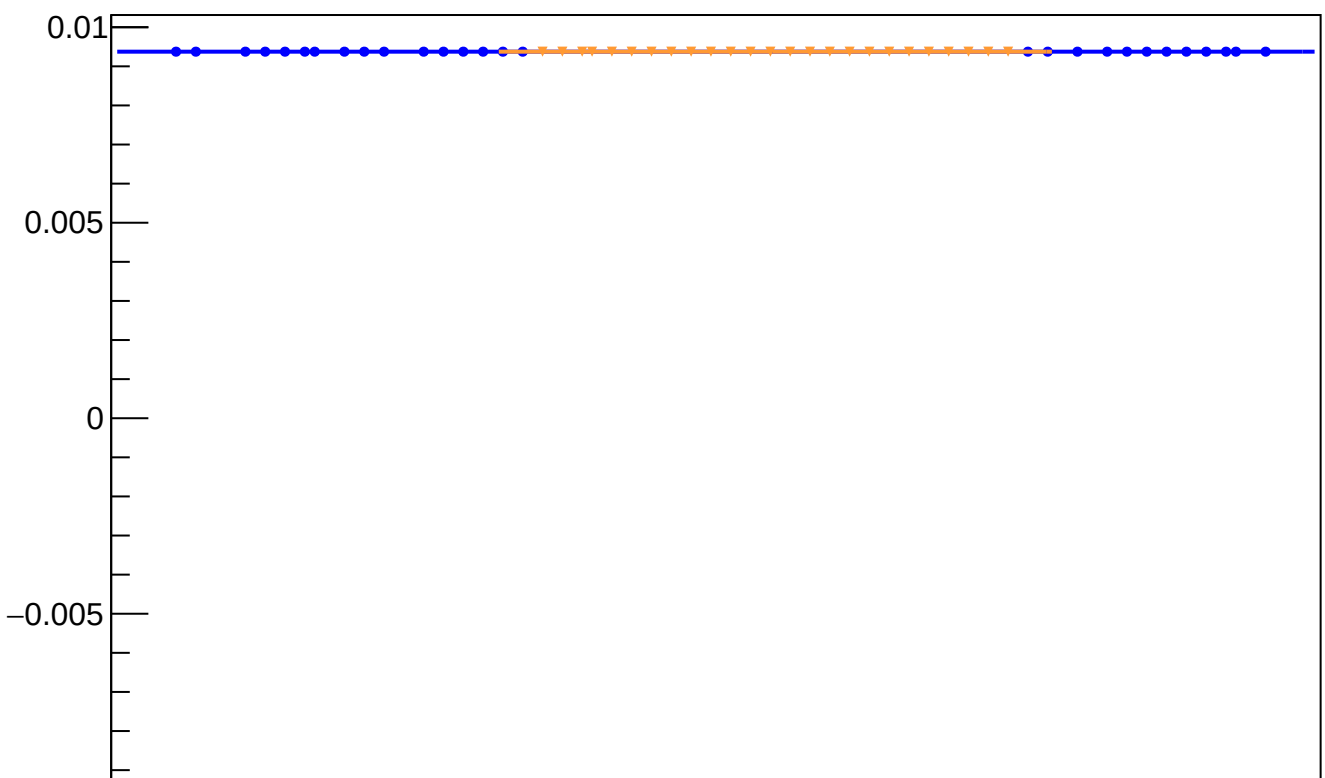
Right Out: -980.779+/-0.000 χ^2/NDF: 6341937523386149194377633726464 0.0/32

Out: 33.665+/-0.000 χ^2/NDF:36980252508055782

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

All: -5.238+/-0.000 χ^2/NDF: 7143094300293

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

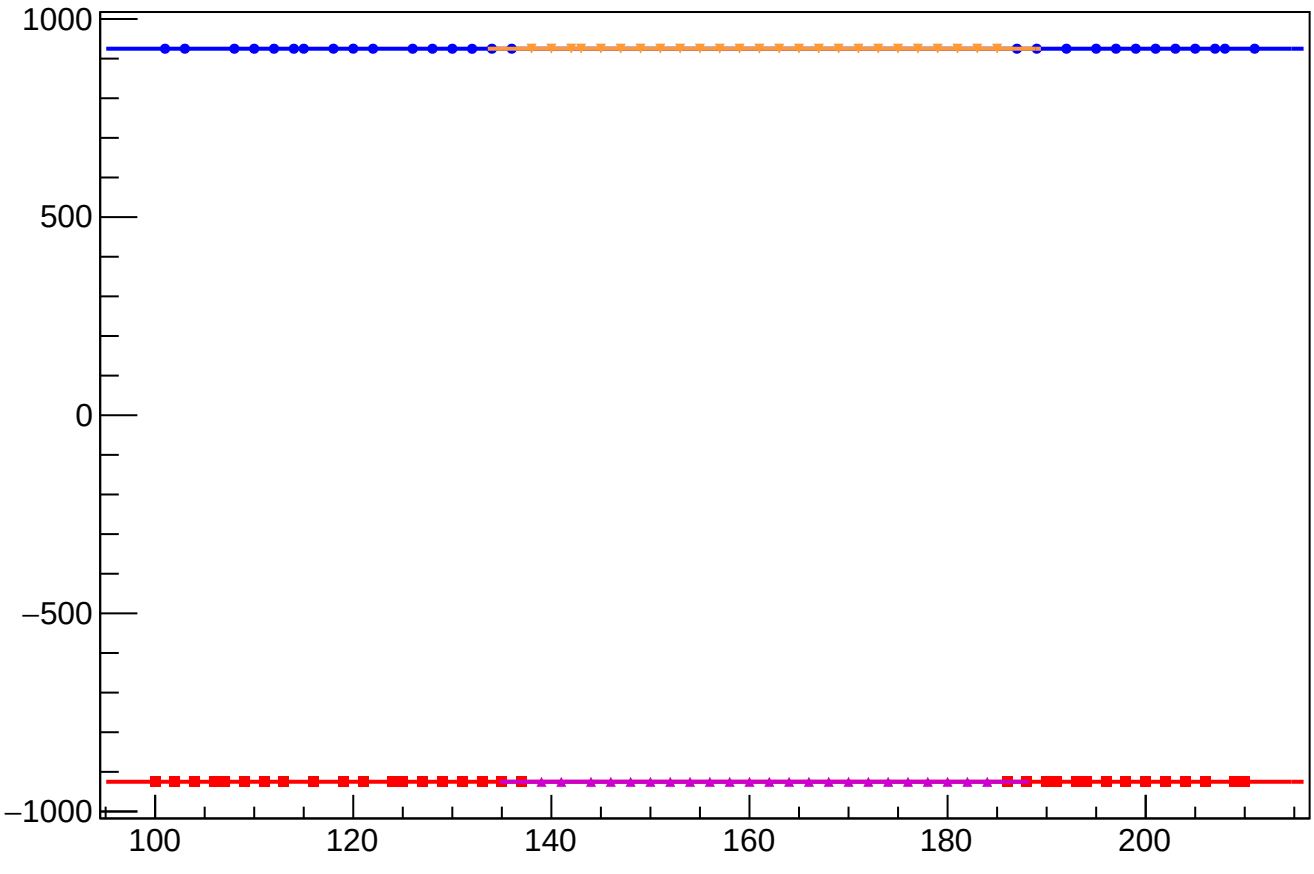
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 31228980863763960

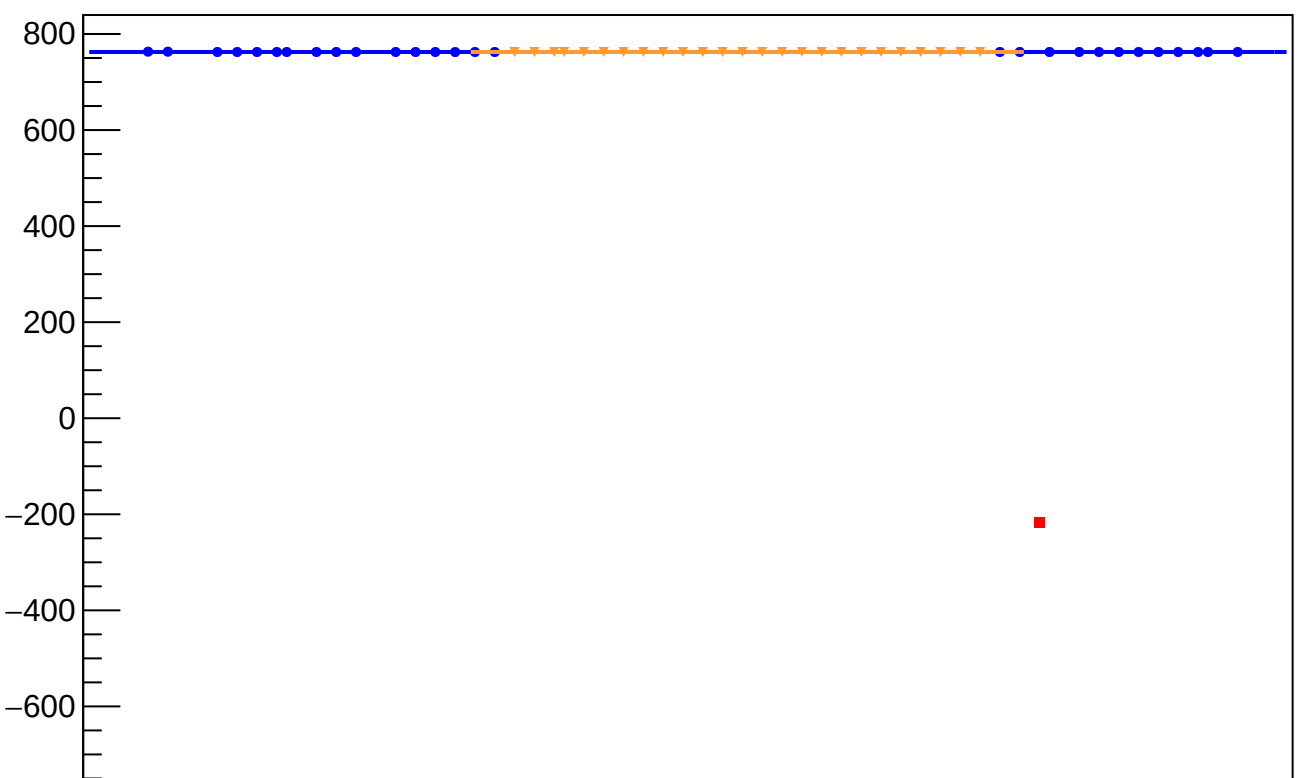
In: -0.001+/-0.000 χ^2/NDF:316095612181262948

Out: 0.000+/-0.000 χ^2/NDF:340083567143961815

All: -0.000+/-0.000 χ^2/NDF: 6577507014965


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 924.995+/-0.000 χ²/NDF: 3747450486937865867189104410624.0/27
Left Out: 924.983+/-0.000 χ²/NDF:1161112698344246137667167715328.0/24
Right Out: -924.996+/-0.000 χ²/NDF: 19840767740806566338880549683200/32
Left In: -924.983+/-0.000 χ²/NDF:928270307181587701368348475392.0/22
Left: 26.401+/-0.000 χ²/NDF: 33546151426363744
Right: -40.534+/-0.000 χ²/NDF: 3040147281789430
In: -52.294+/-0.000 χ²/NDF:30771526521373102
Out: 38.177+/-0.000 χ²/NDF:33106783204330250
All: -5.439+/-0.000 χ²/NDF: 6403125345235

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.566+/-0.000 χ^2/NDF: 553760409961327606087373354434456.0/27

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -755.234+/-0.000 χ^2/NDF: 7339291581504699913759163287626317824.0/32

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

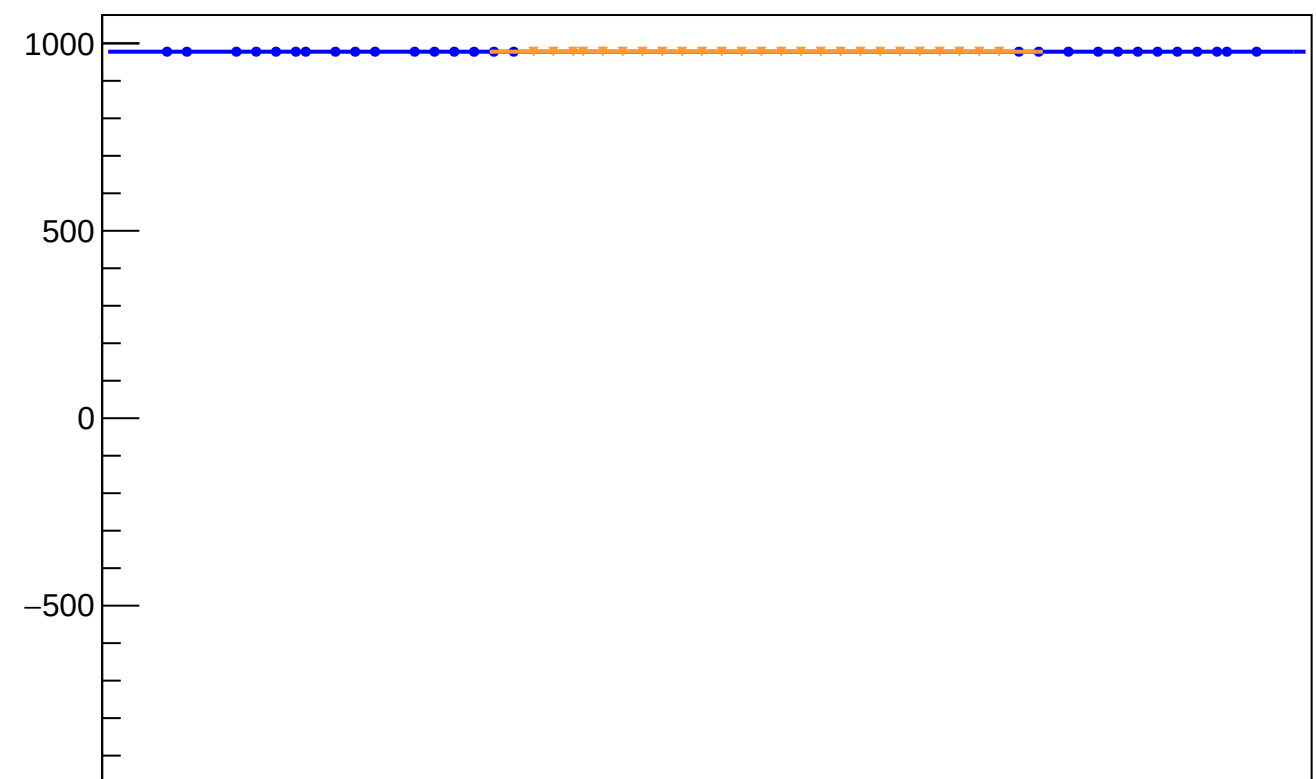
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -29.589+/-0.000 χ^2/NDF: 205371023972061

In: -43.091+/-0.000 χ^2/NDF:20912412509051175

Out: 34.969+/-0.000 χ^2/NDF:2235695514492997

All: -2.664+/-0.000 χ^2/NDF: 4338322712363



Right In: 977.760+/-0.000 χ^2/NDF: 22204065963674043242334545510 40.0/27

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.757+/-0.000 χ^2/NDF: 2858536244092167193217728512000.0/32

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

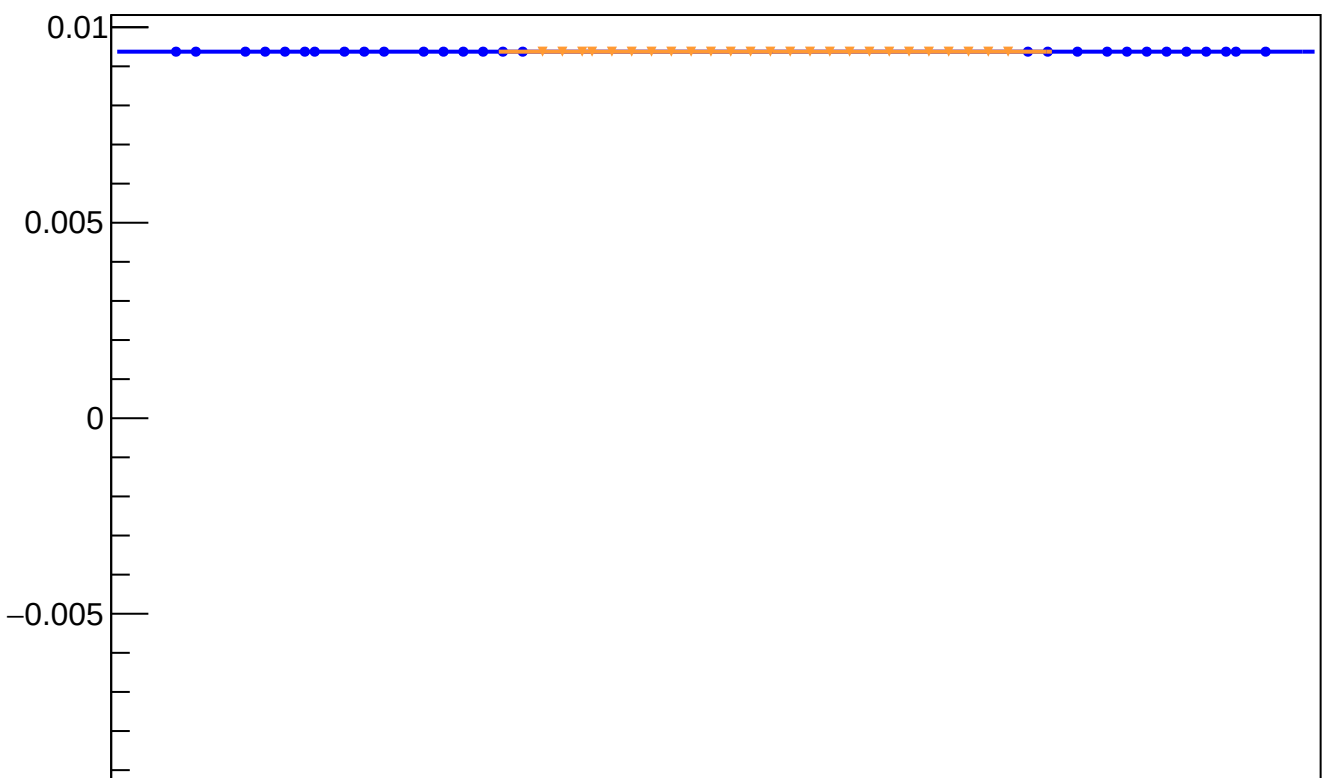
Right: -42.844+/-0.000 χ^2/NDF: 339686812713387

In: -55.270+/-0.000 χ^2/NDF:34381870470866251

Out: 40.351+/-0.000 χ^2/NDF:3699103677468800 8

All: -5.748+/-0.000 χ^2/NDF: 7154376252556

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

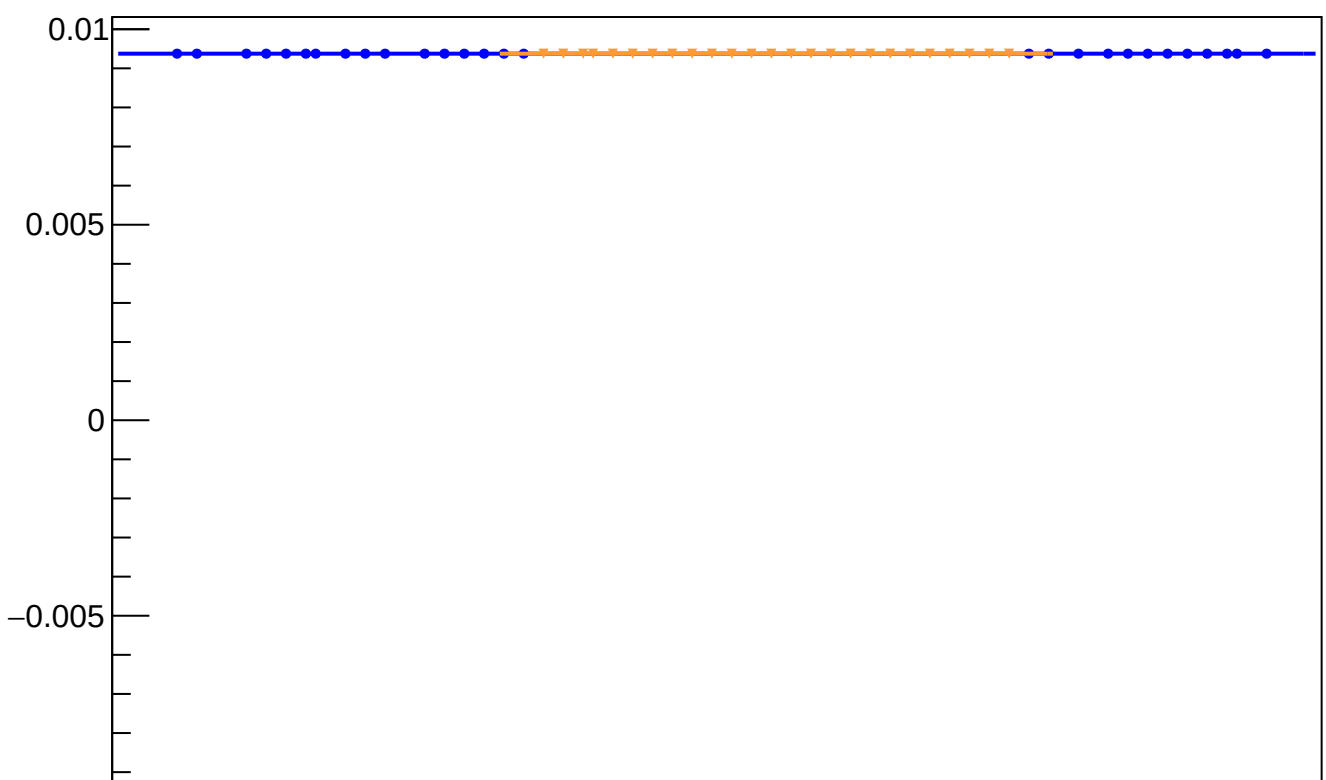
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 31228980863763960

In: -0.001+/-0.000 χ^2/NDF:316095612181262948

Out: 0.000+/-0.000 χ^2/NDF:340083567143961815

All: -0.000+/-0.000 χ^2/NDF: 6577507014965



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

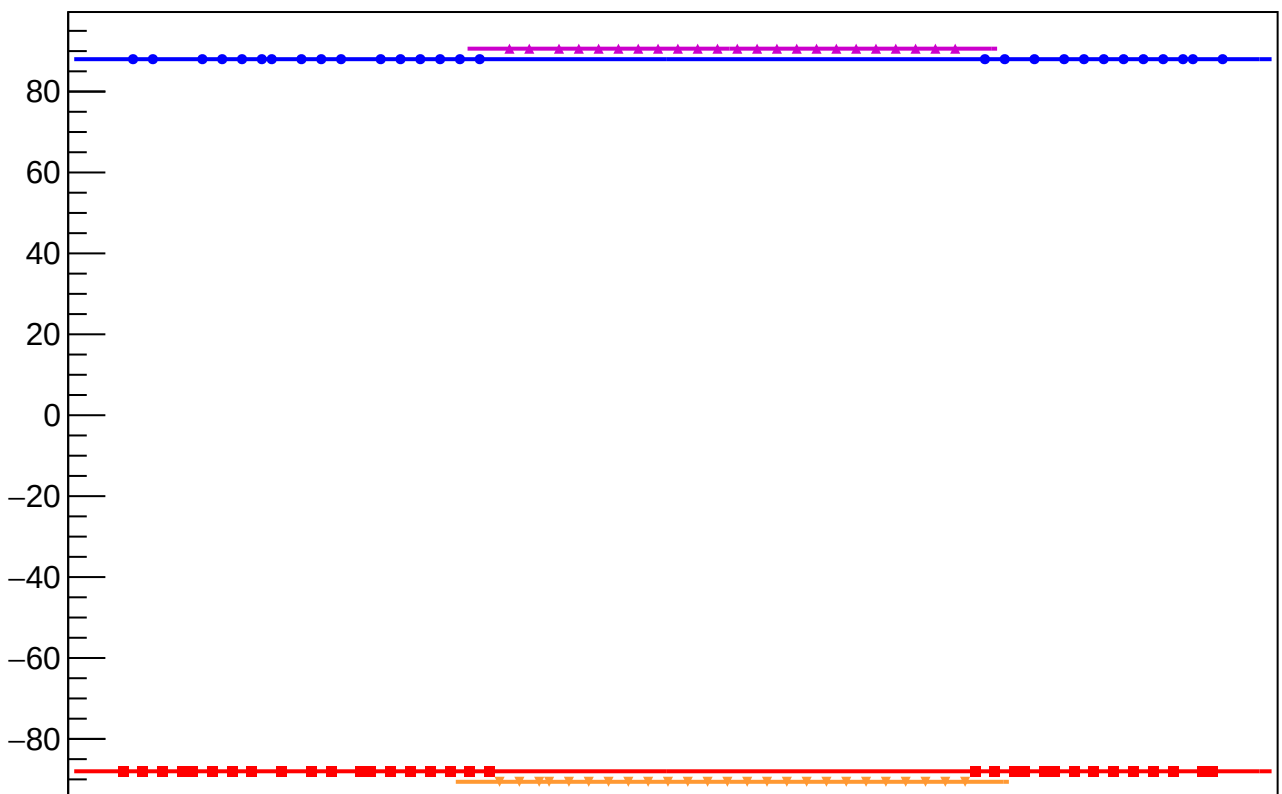
Right: -0.000+/-0.000 χ^2/NDF: 31228980863763960

In: -0.001+/-0.000 χ^2/NDF:316095612181262948

Out: 0.000+/-0.000 χ^2/NDF:340083567143961815

All: -0.000+/-0.000 χ^2/NDF: 6577507014965

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 4142769.3/27

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 765139667703150900362755440640/32

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

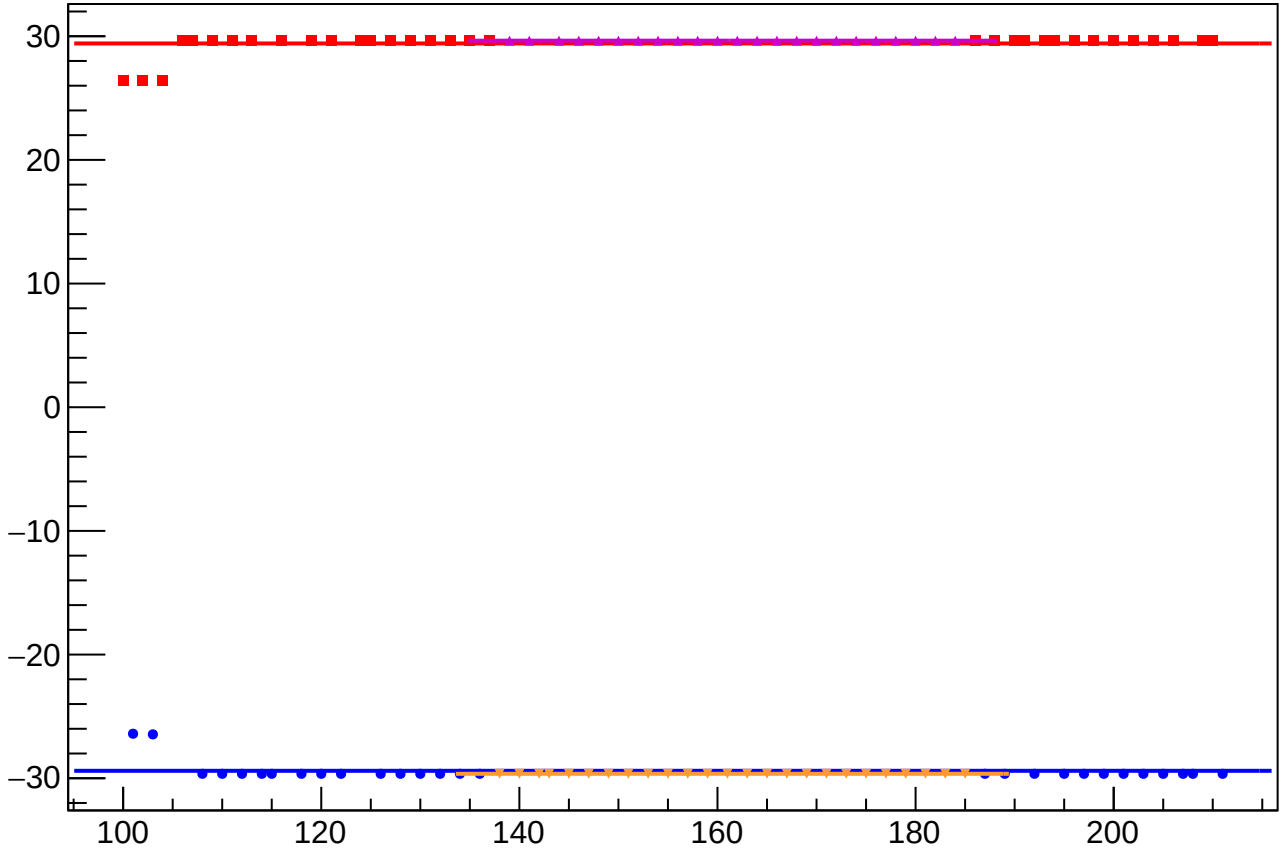
Right: -3.857+/-0.000 χ^2/NDF: 2751648930573348

In: 89.373+/-0.000 χ^2/NDF:607145390726350477

Out: -89.354+/-0.000 χ^2/NDF:6526702015614237

All: -3.190+/-0.000 χ^2/NDF: 5970236919479

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.399+/-0.000 χ^2/NDF: 1223383740674836854283430562627584.0/27

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.416+/-0.000 χ^2/NDF: 126016964564047483128446352726425 6.0/32

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

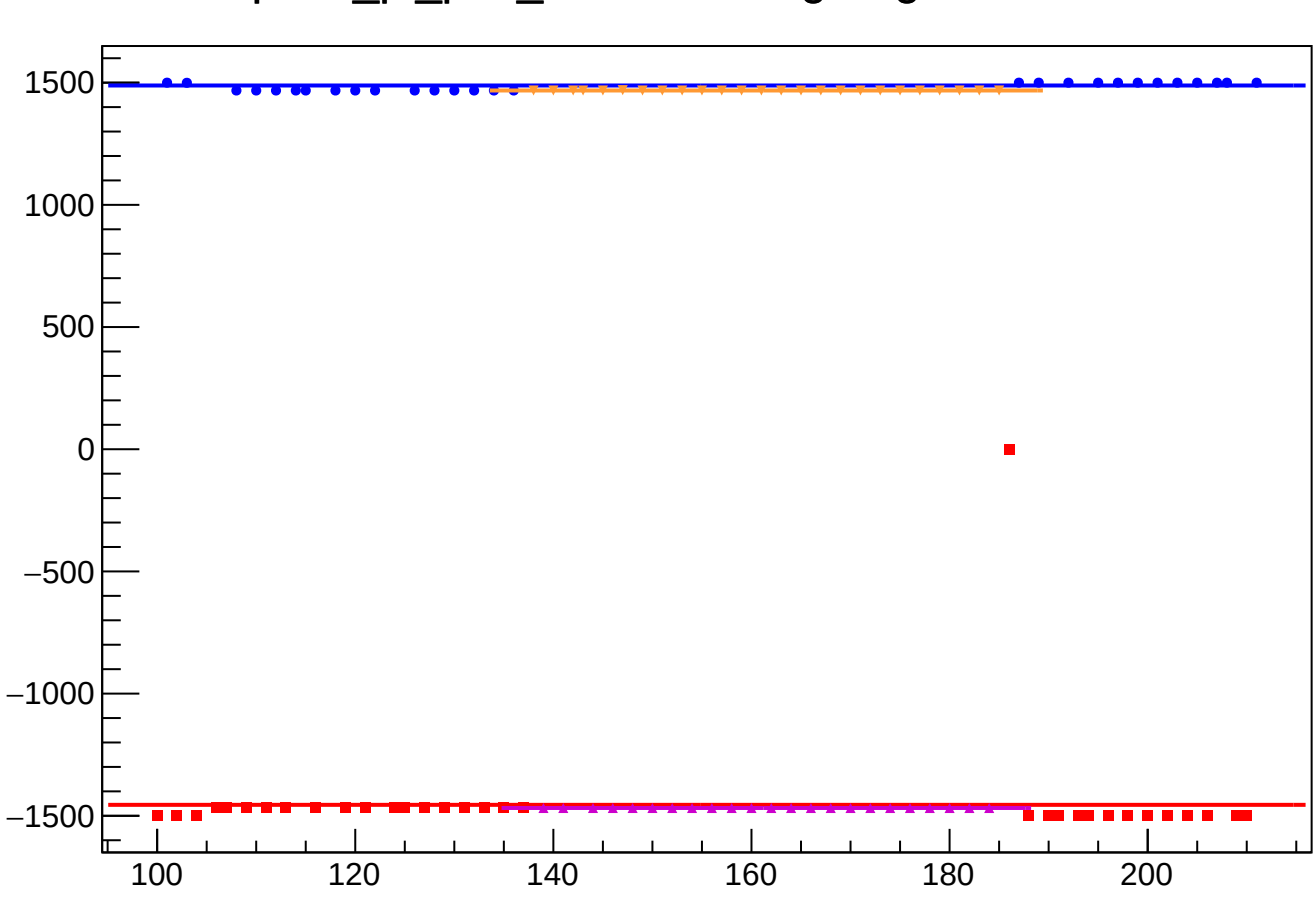
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 1.297+/-0.000 χ^2/NDF: 30752313957029048

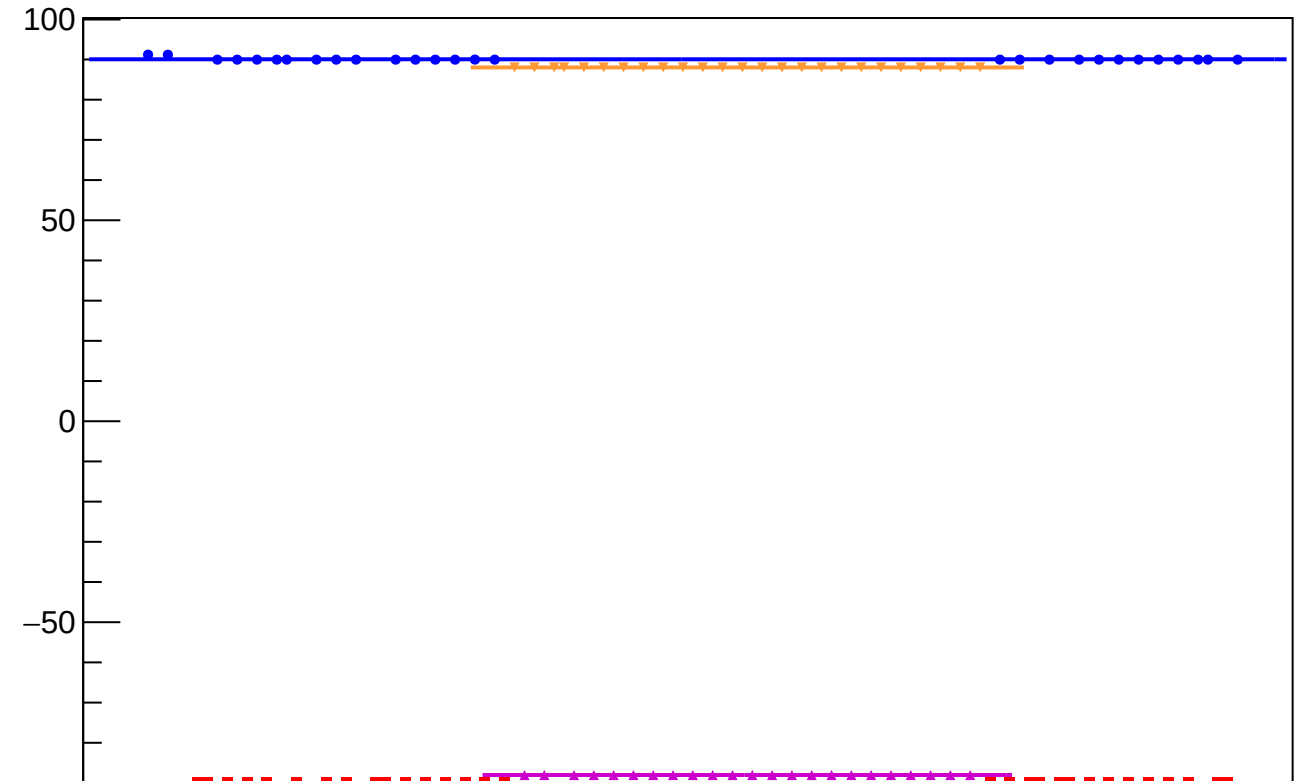
In: 1.790+/-0.000 χ^2/NDF:313525503180713238 8

Out: -1.331+/-0.000 χ^2/NDF:33750486139326372

All: 0.173+/-0.000 χ^2/NDF: 6528509137069 4


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 1488.449+/-0.000 χ²/NDF: 401447002766534081558587333303861248.0/27
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1455.167+/-0.000 χ²/NDF: 914142822363012958829112109975784652800/32
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right: -47.854+/-0.000 χ²/NDF: 778874547248954
In: -73.352+/-0.000 χ²/NDF:7859175414088996
Out: 66.777+/-0.000 χ²/NDF:83576037579416716
All: -0.779+/-0.000 χ²/NDF: 1625347128514

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.052+/-0.000 χ^2/NDF: 1790745780530667830092876648284 16.0/27

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.045+/-0.000 χ^2/NDF: 184579032077528533466686353833984.0/32

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

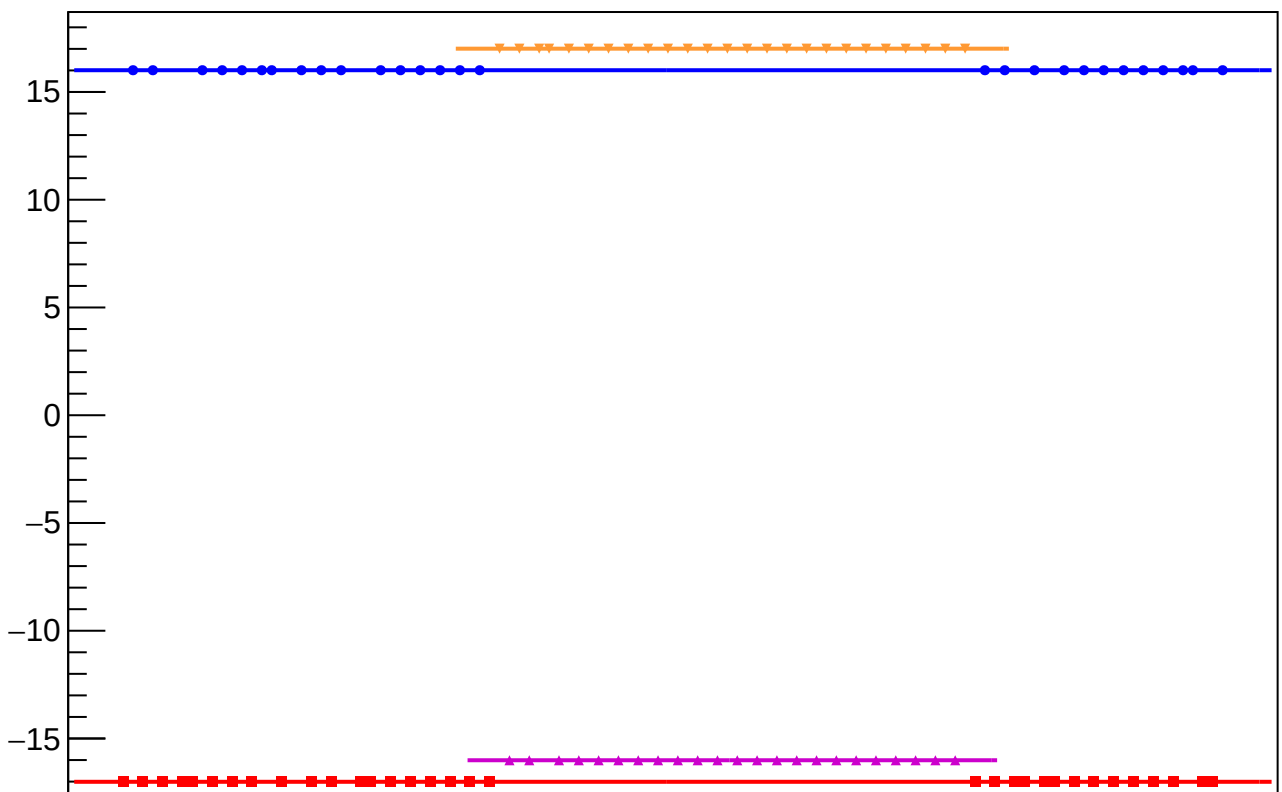
Right: -3.943+/-0.000 χ^2/NDF: 2881221844279928

In: -4.018+/-0.000 χ^2/NDF:285111333075715378

Out: 2.663+/-0.000 χ^2/NDF:306724293098955061

All: -0.558+/-0.000 χ^2/NDF: 5926697802940

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 1063762692456311139860480.0/27

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 21090428755724564038680576.0/32

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

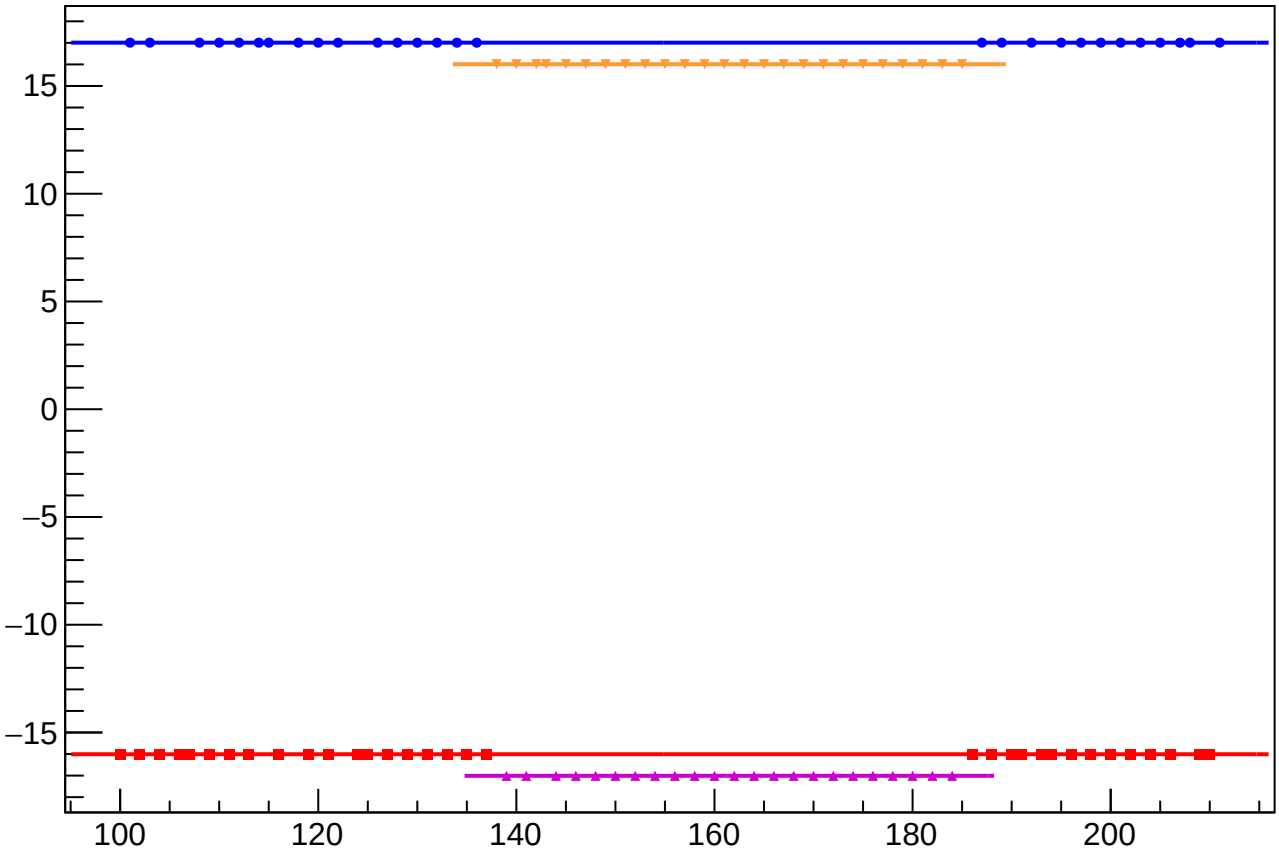
Right: -1.098+/-0.000 χ^2/NDF: 939364014583290 6

In: -0.494+/-0.000 χ^2/NDF:878782602517987752

Out: 0.390+/-0.000 χ^2/NDF:10583373745947969 8

All: -0.038+/-0.000 χ^2/NDF: 193850664697 0

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 1063938720403266239201280.0/27

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 601995.5/32

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

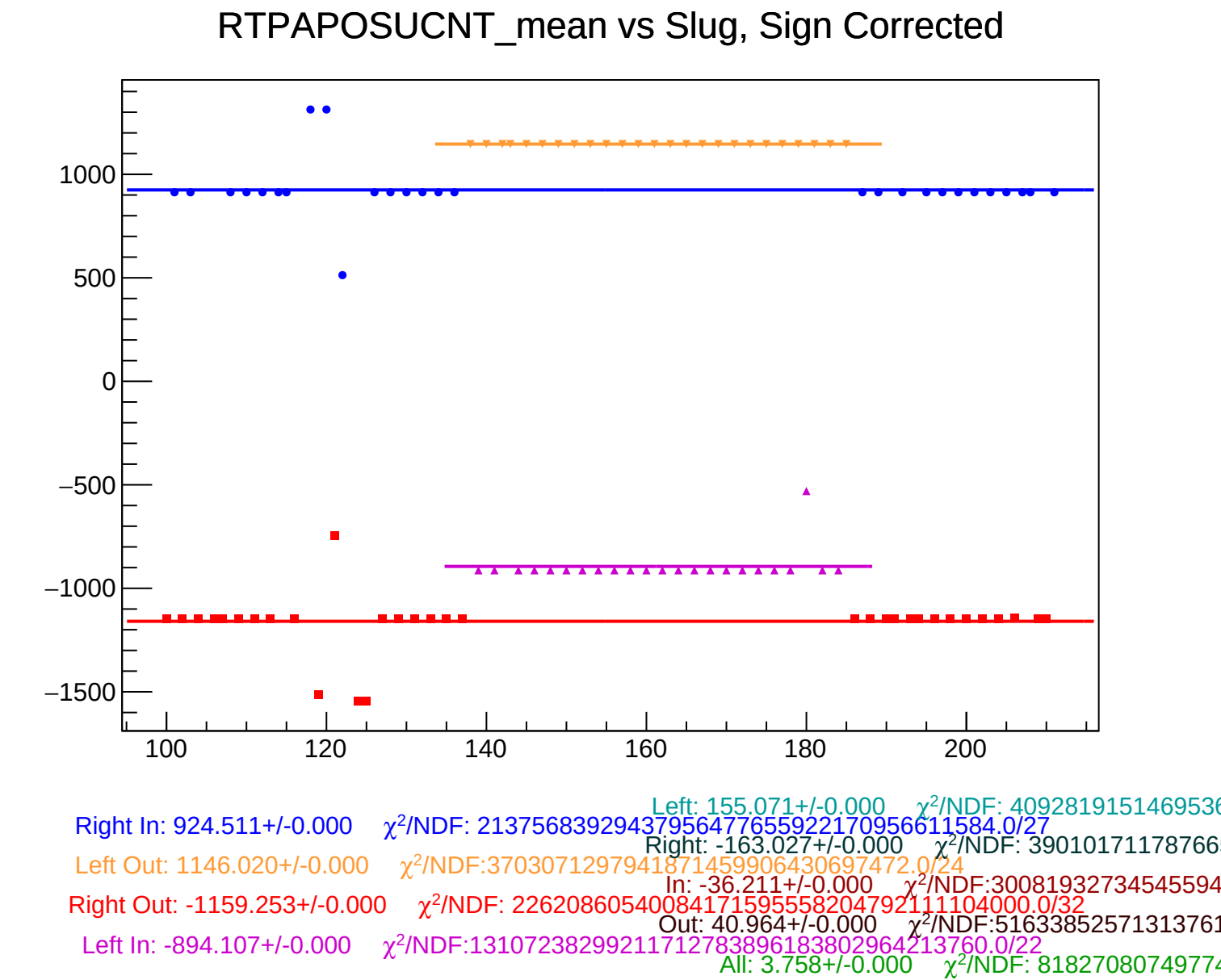
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.372+/-0.000 χ^2/NDF: 9572770149610465

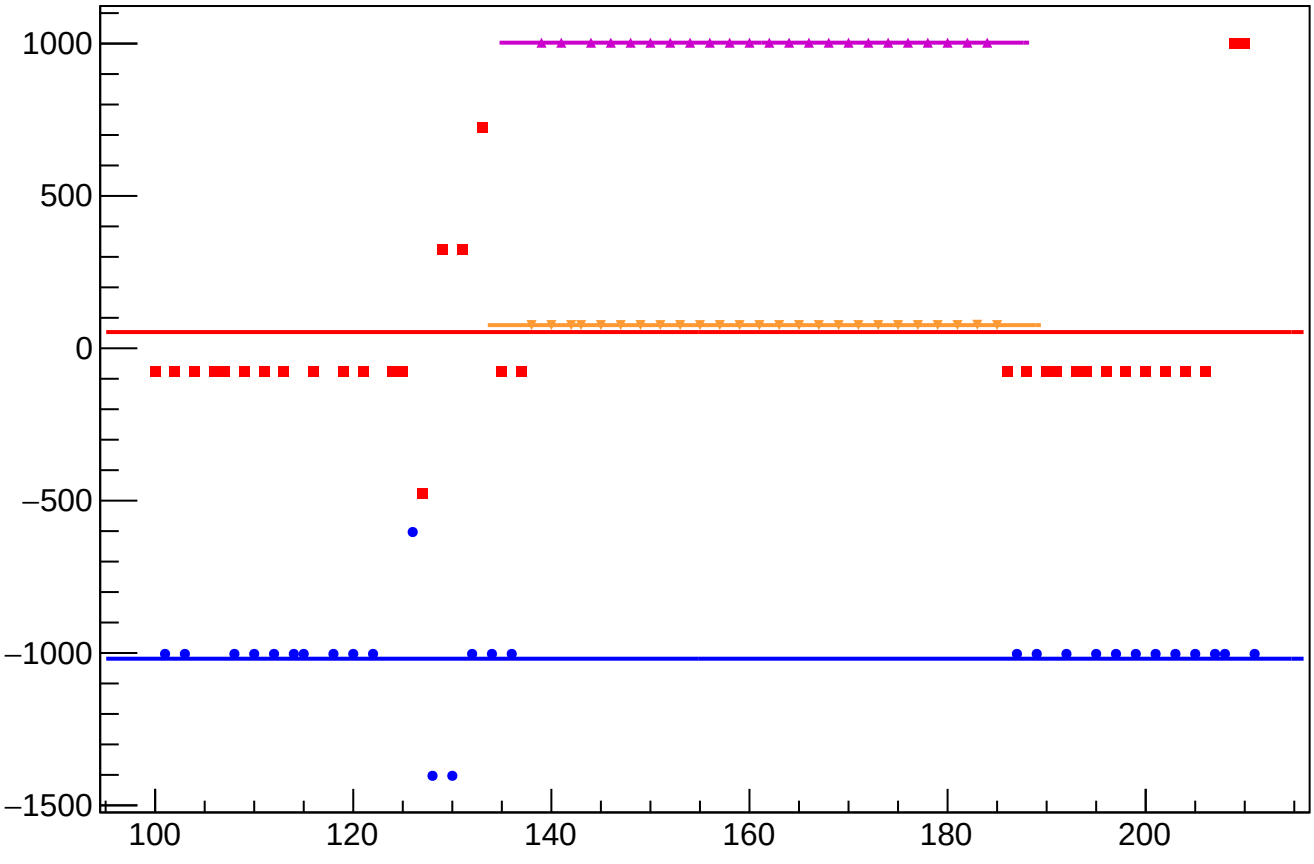
In: -0.926+/-0.000 χ^2/NDF:101769356082851129

Out: 0.574+/-0.000 χ^2/NDF:98446055041708766

All: -0.143+/-0.000 χ^2/NDF: 2006294910303


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 924.511+/-0.000 χ²/NDF: 213756839294379564776559221709566115840.0/27
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720.0/24
Right Out: -1159.253+/-0.000 χ²/NDF: 22620860540084171595558204792111104000.0/32
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -163.027+/-0.000 χ²/NDF: 39010171178766
In: -36.211+/-0.000 χ²/NDF:30081932734545594
Out: 40.964+/-0.000 χ²/NDF:51633852571313761
All: 3.758+/-0.000 χ²/NDF: 81827080749774

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1018.735+/-0.000 χ^2/NDF: 2341769351466469060385051625039016755 2.0/27

Right: -459.253+/-0.000 χ^2/NDF: 12663683668032

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 49.283+/-0.000 χ^2/NDF:369844001442638058

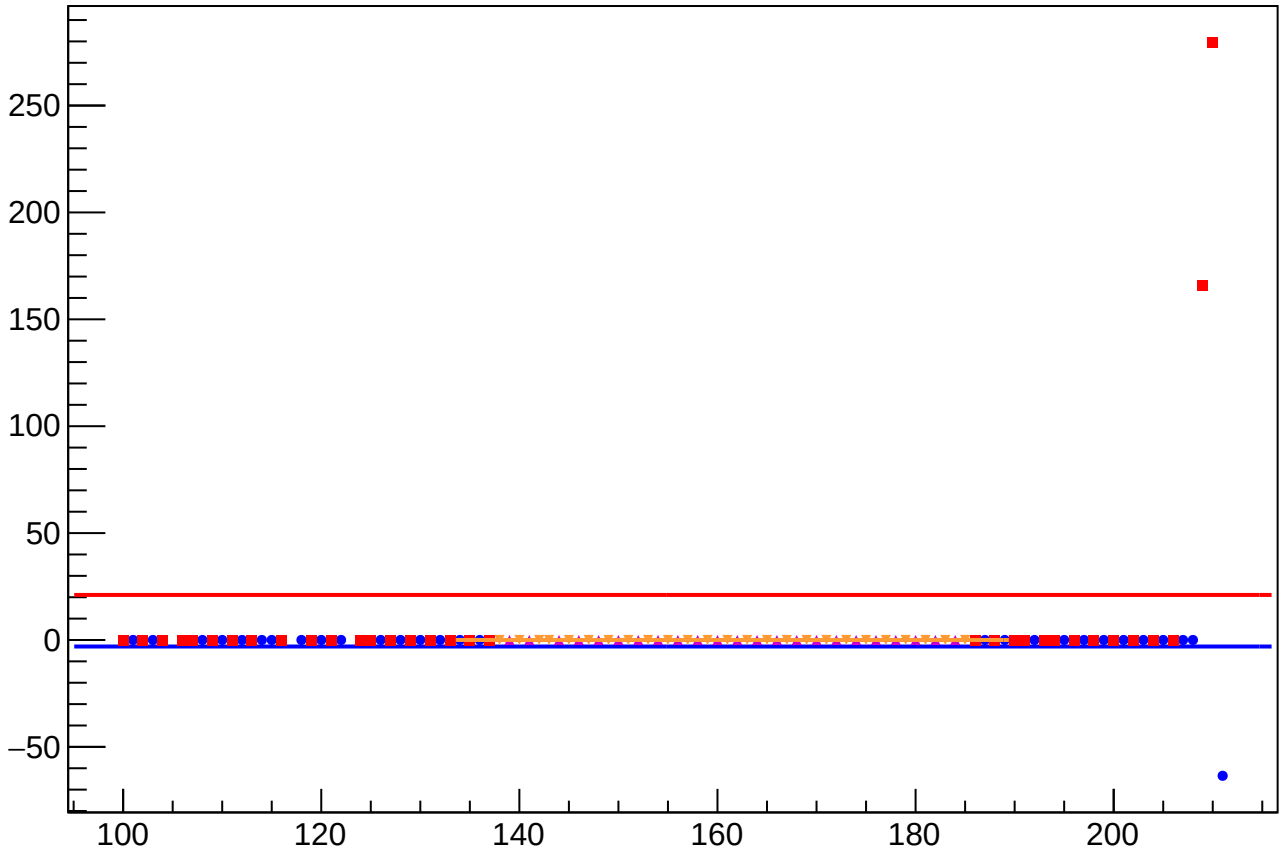
Right Out: 53.255+/-0.000 χ^2/NDF: 22216035202859227051009988294356028620 8.0/32

Out: 65.124+/-0.000 χ^2/NDF:2226632045775019 6

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

All: 57.487+/-0.000 χ^2/NDF: 392157215949 6

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -3.052+/-0.000 χ^2/NDF: 3151074799172557655706835638057697728.0/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 21.070+/-0.000 χ^2/NDF: 8459783412974249052010107830930505728.0/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466234

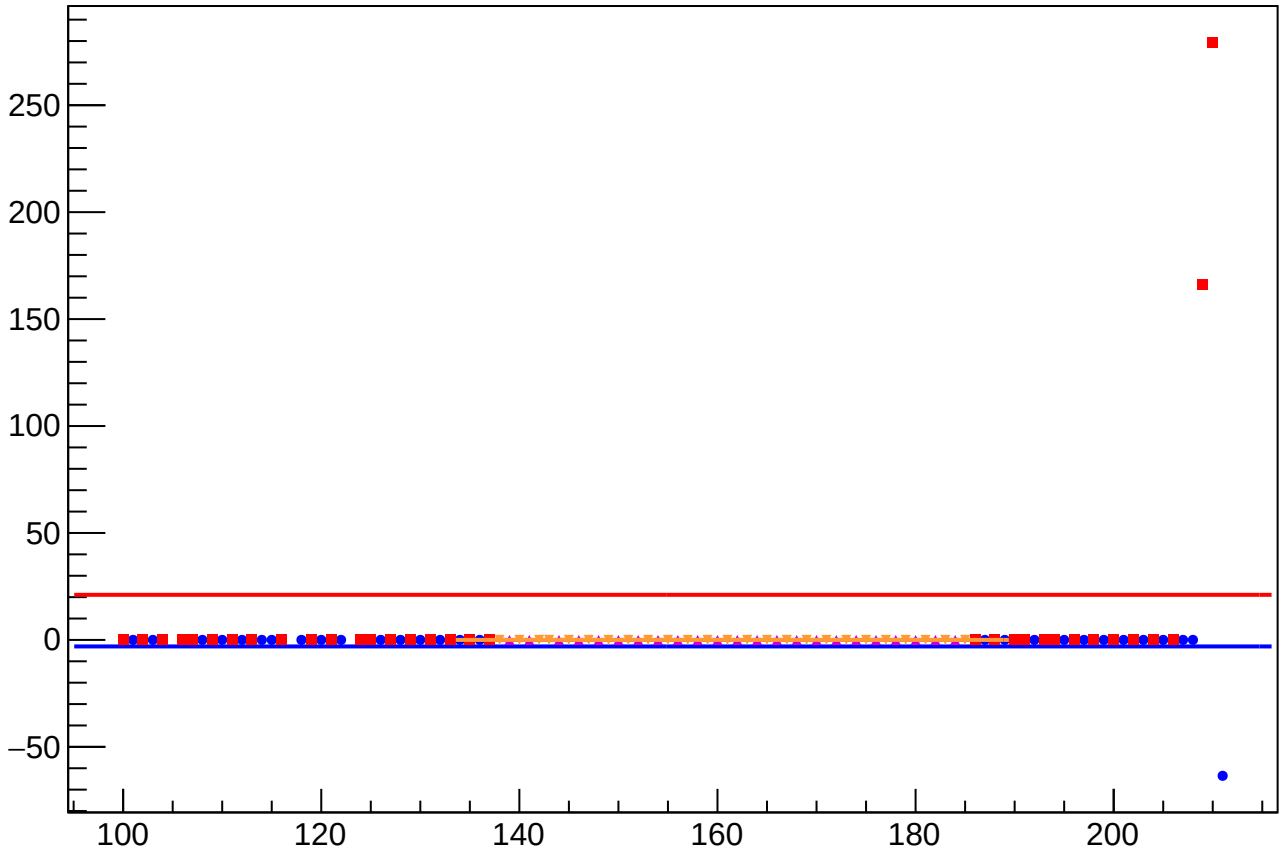
Right: 9.538+/-0.000 χ^2/NDF: 92917723272344247

In: -1.445+/-0.000 χ^2/NDF:32343043398159782528

Out: 10.105+/-0.000 χ^2/NDF:88888661720261057

All: 4.537+/-0.000 χ^2/NDF: 946156363482697

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -3.052+/-0.000 χ^2/NDF: 3151074799172557655706835638057697728.0/27

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 21.087+/-0.000 χ^2/NDF: 8465064697319223849785425873460002816.0/32

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466231

Right: 9.546+/-0.000 χ^2/NDF: 92977520817168620

In: -1.445+/-0.000 χ^2/NDF:32343043398159782

Out: 10.113+/-0.000 χ^2/NDF:88948115940761775

All: 4.541+/-0.000 χ^2/NDF: 9467846287909