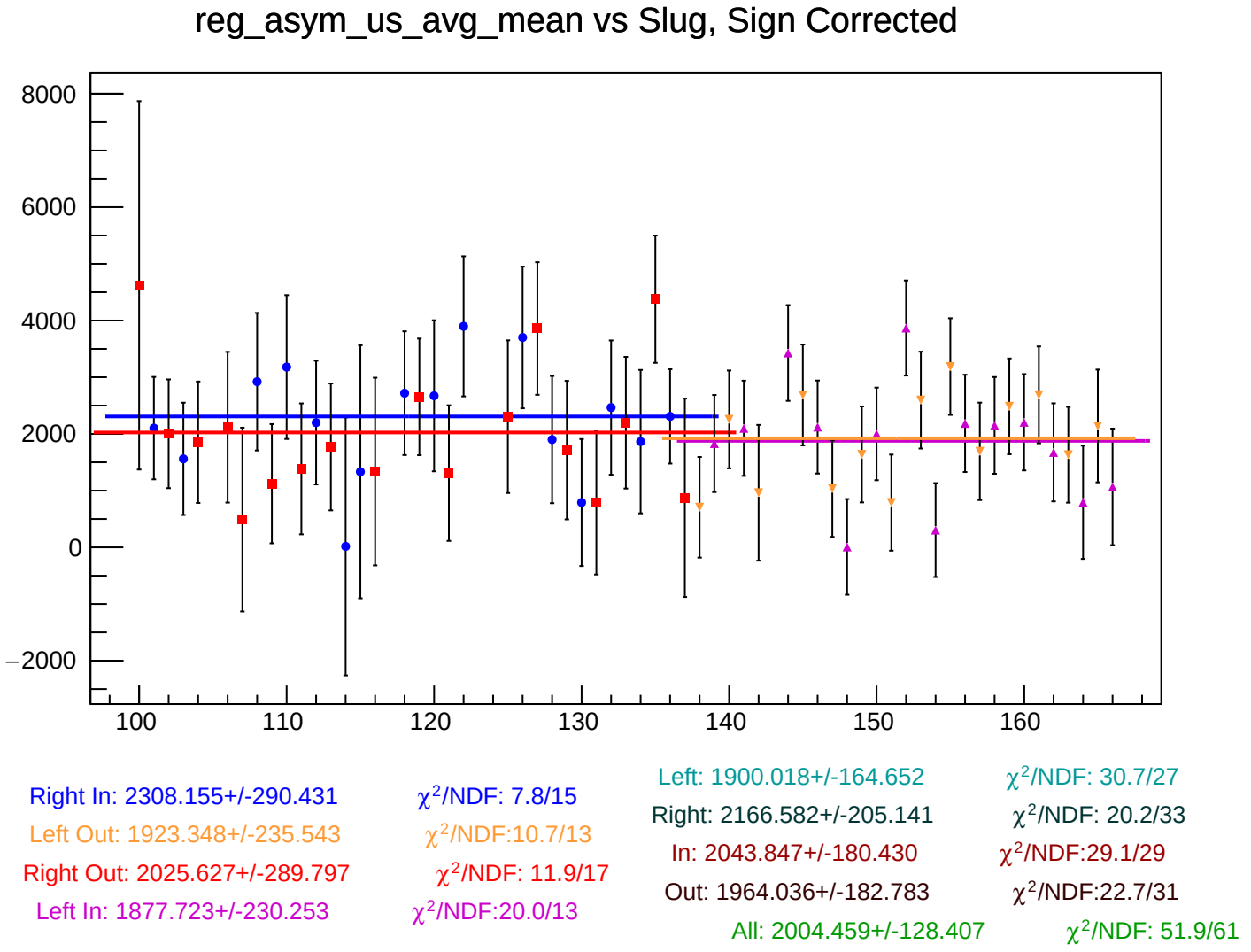
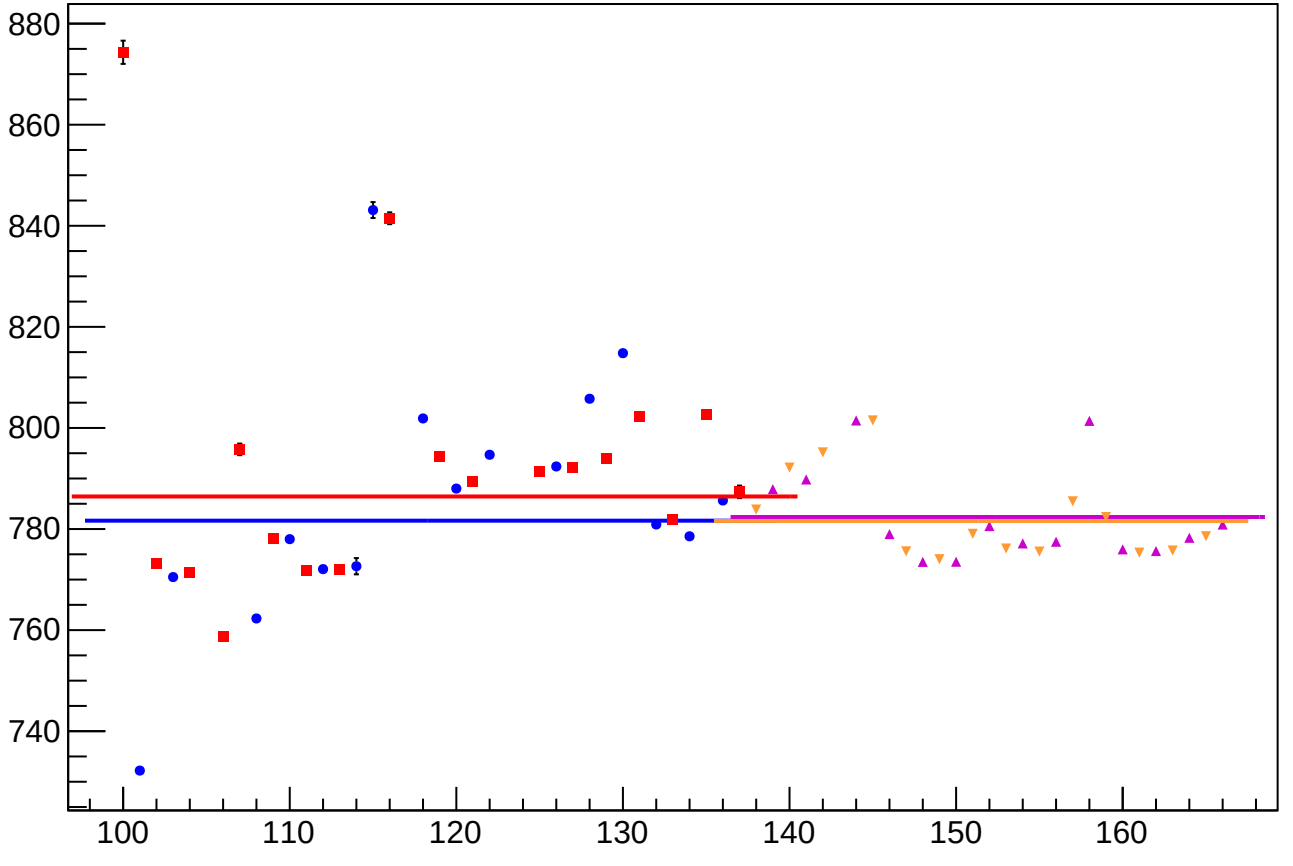

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1923.348+/-235.543
χ²/NDF:10.7/13
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1877.723+/-230.253
χ²/NDF:20.0/13
Left: 1900.018+/-164.652
χ²/NDF: 30.7/27
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2043.847+/-180.430
χ²/NDF:29.1/29
Out: 1964.036+/-182.783
χ²/NDF:22.7/31
All: 2004.459+/-128.407
χ²/NDF: 51.9/61

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

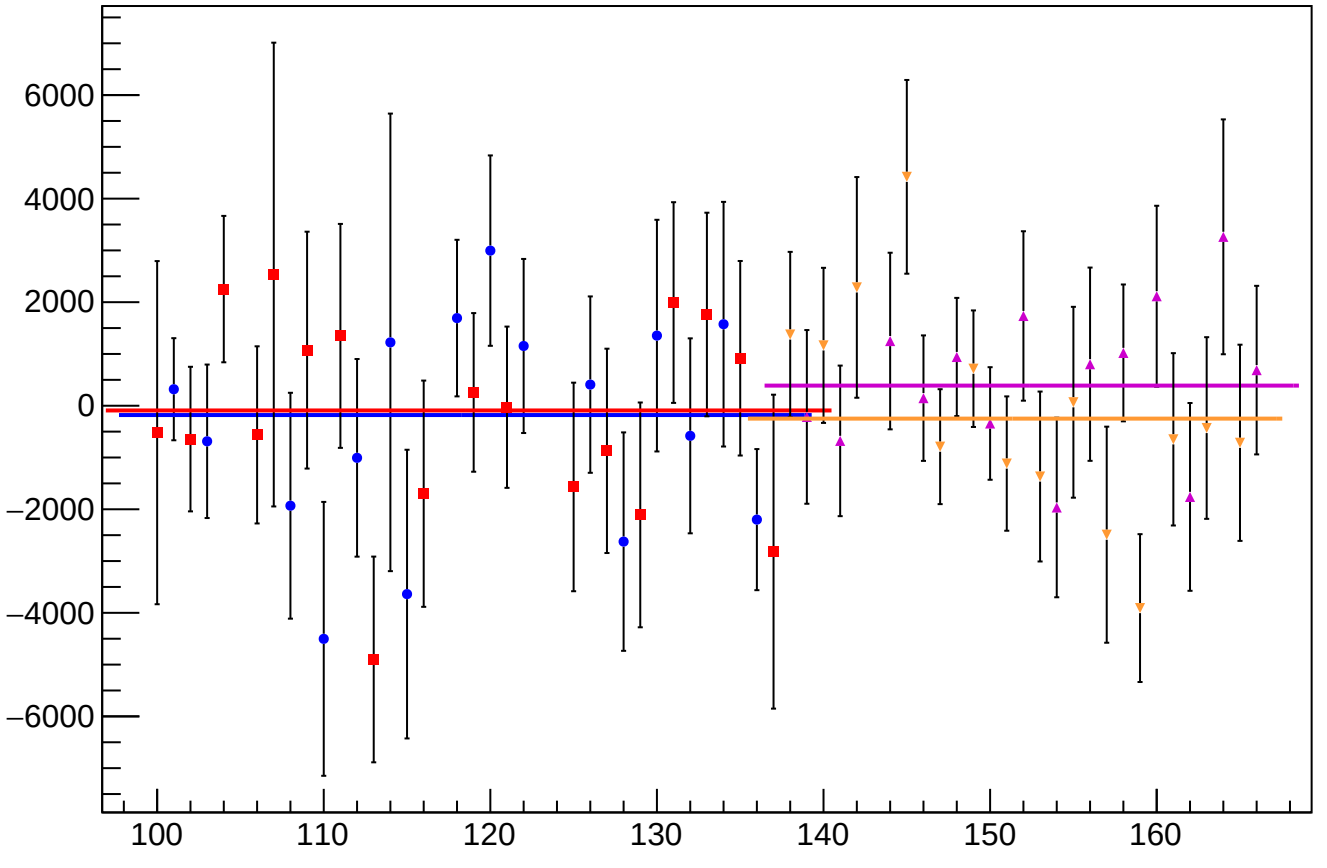
Left: 781.998+/-0.116 χ^2/NDF: 5479.1/27

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.803+/-0.091 χ^2/NDF: 25394.5/61



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

Left: 79.008+/-287.176 χ^2/NDF: 29.0/27

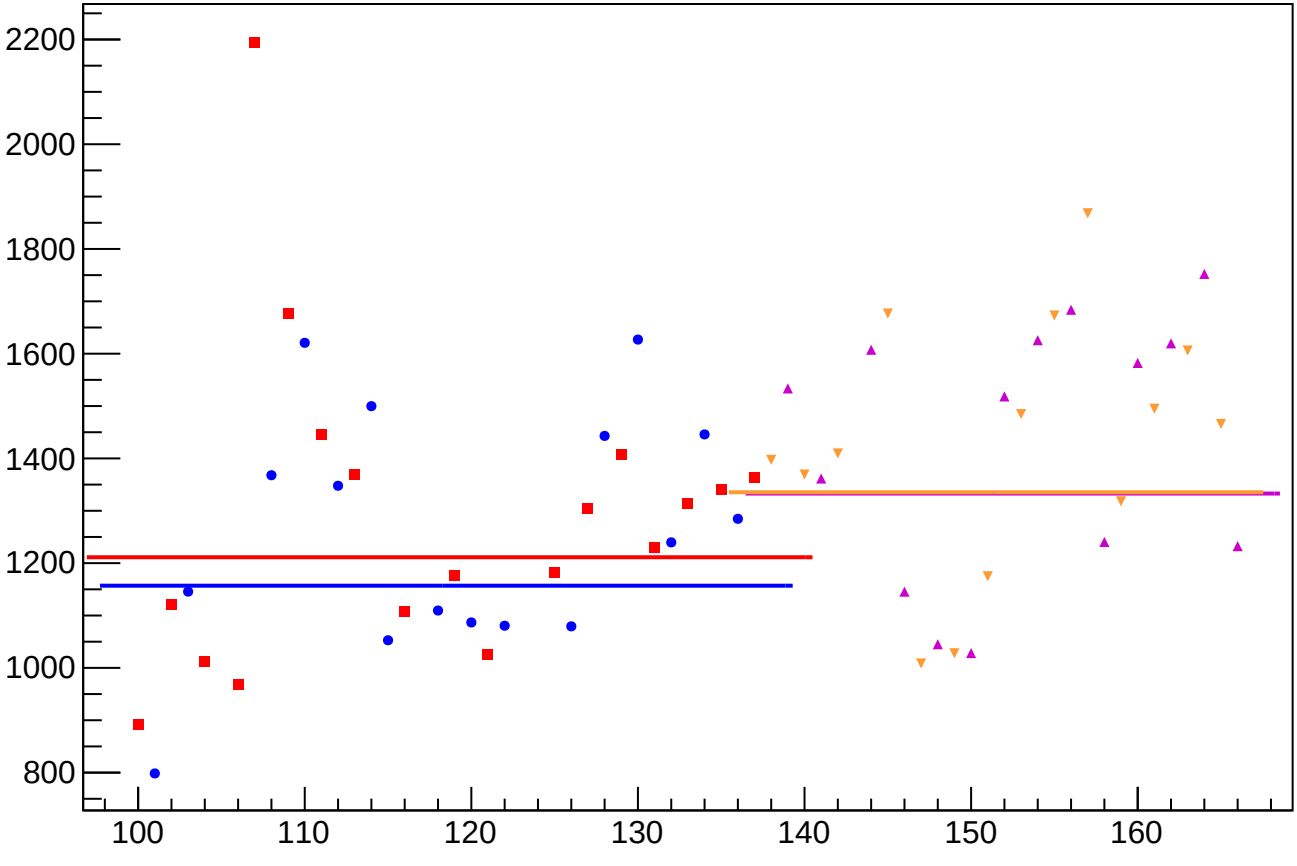
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -18.521+/-212.683 χ^2/NDF: 59.9/61

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1332.919+/-0.283 χ^2/NDF:743302.6/13

Left: 1334.128+/-0.203 χ^2/NDF: 1459504.7/27

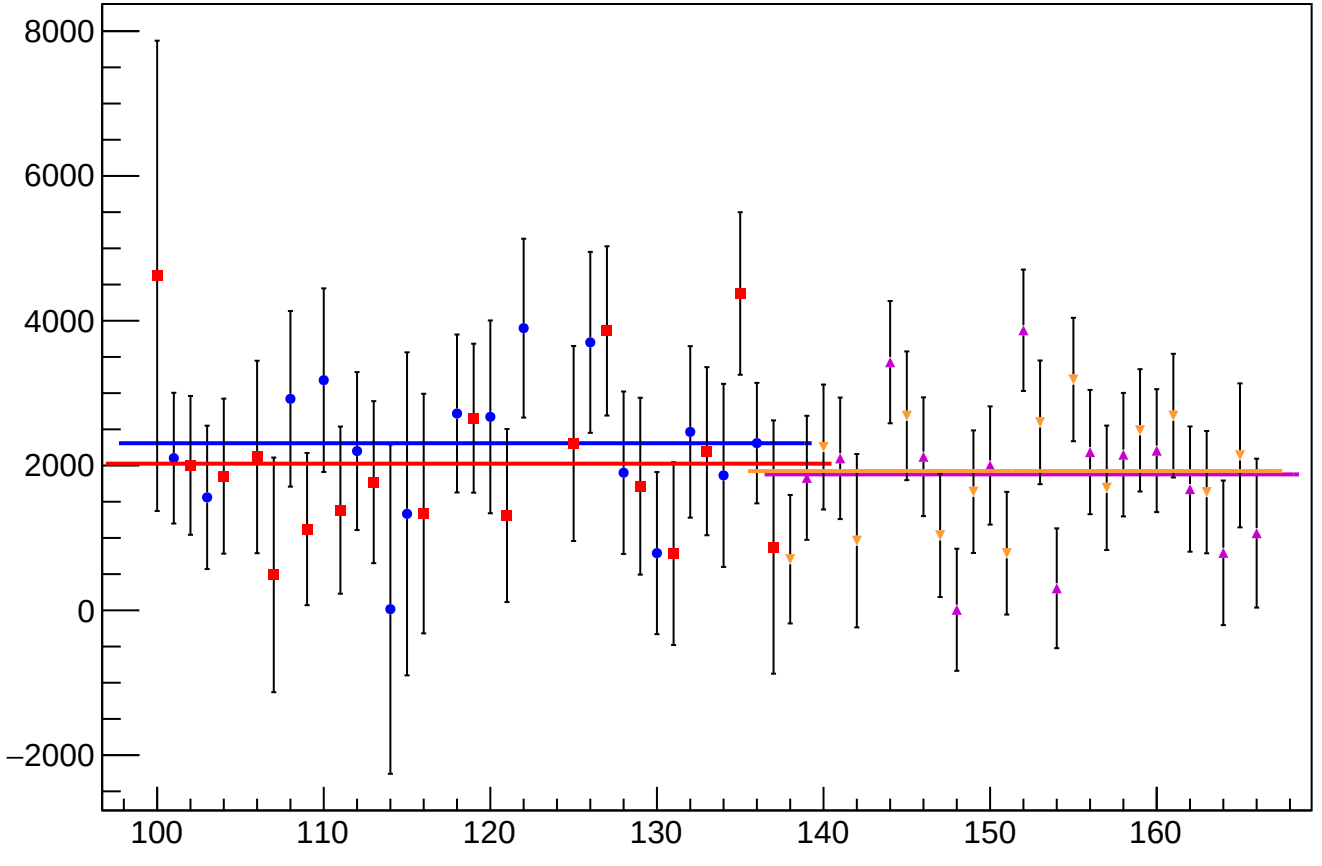
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1253.347+/-0.210 χ^2/NDF:1487050.7/29

Out: 1279.445+/-0.216 χ^2/NDF:1195717.8/31

All: 1266.007+/-0.150 χ^2/NDF: 2690290.7/61

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 1877.723+/-230.253 χ^2/NDF:20.0/13

Left: 1900.018+/-164.652 χ^2/NDF: 30.7/27

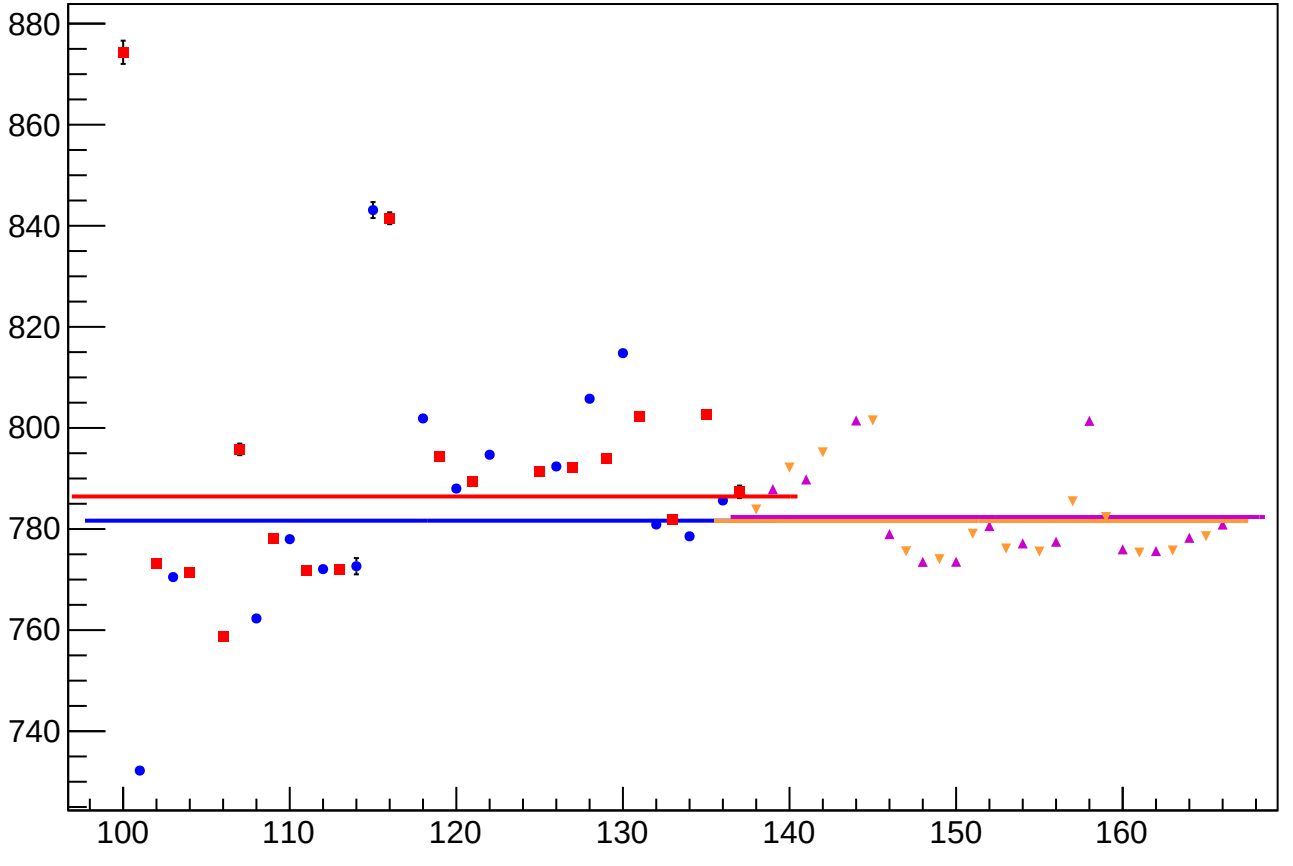
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2043.847+/-180.430 χ^2/NDF:29.1/29

Out: 1964.036+/-182.783 χ^2/NDF:22.7/31

All: 2004.459+/-128.407 χ^2/NDF: 51.9/61

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

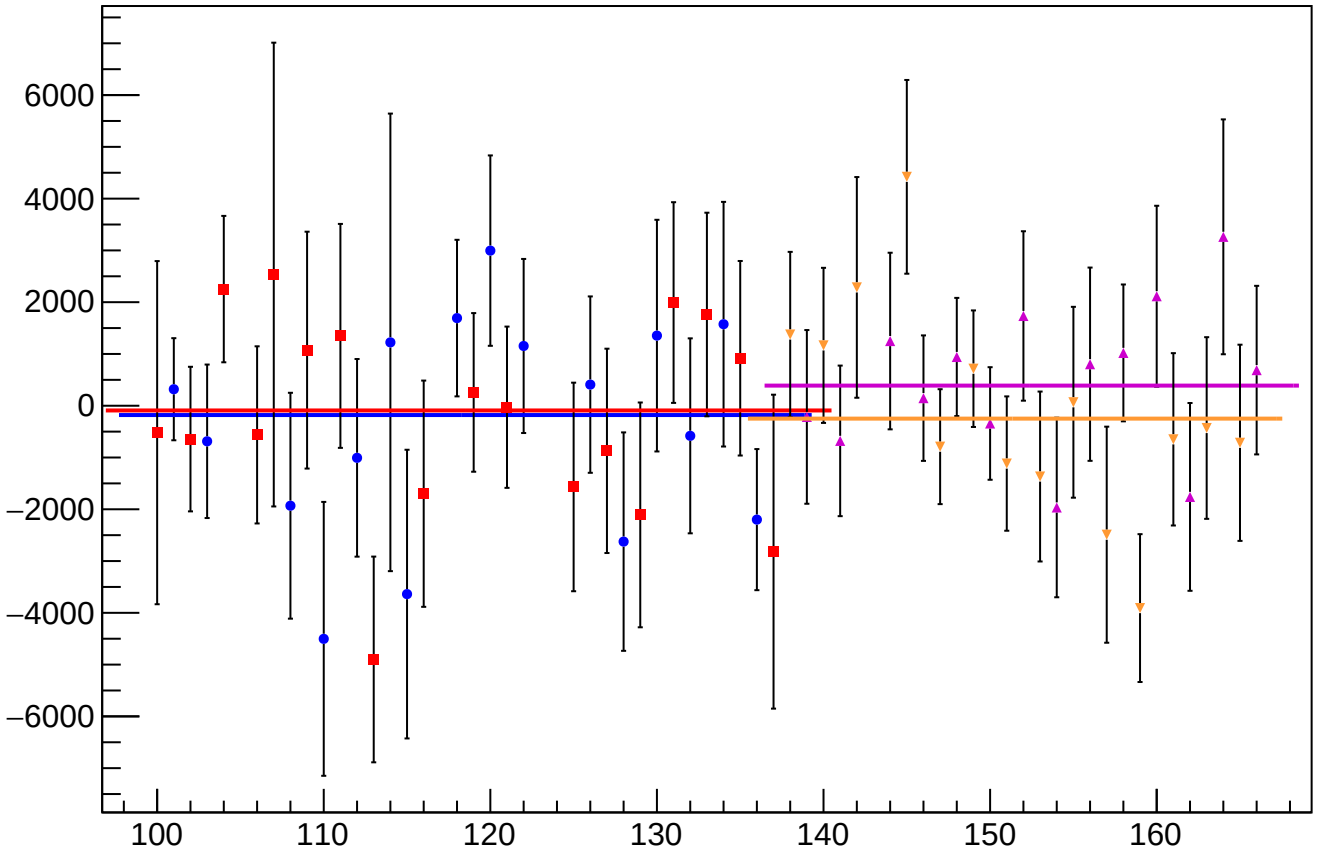
Left: 781.998+/-0.116 χ^2/NDF: 5479.1/27

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.803+/-0.091 χ^2/NDF: 25394.5/61



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

Left: 79.008+/-287.176 χ^2/NDF: 29.0/27

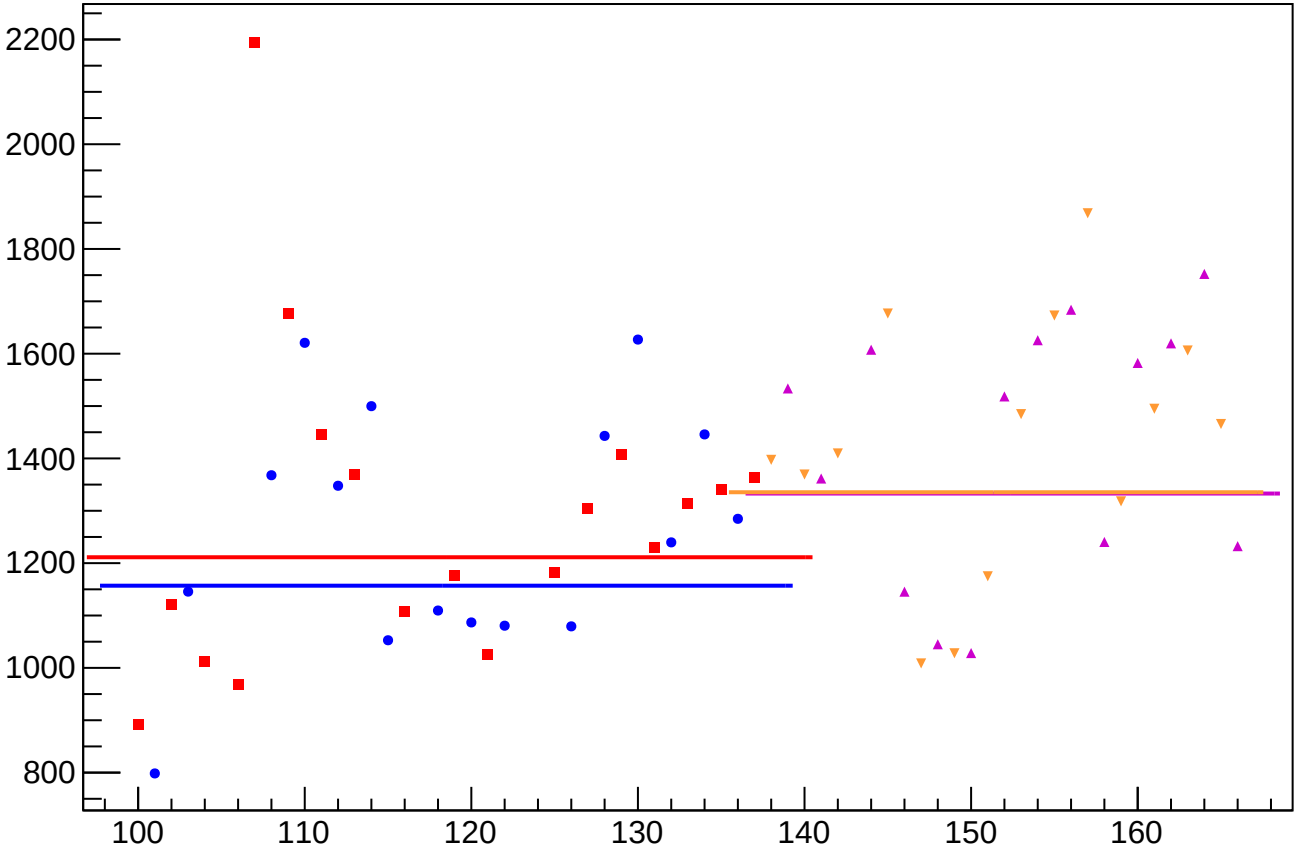
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -18.521+/-212.683 χ^2/NDF: 59.9/61

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1332.919+/-0.283 χ^2/NDF:743302.6/13

Left: 1334.128+/-0.203 χ^2/NDF: 1459504.7/27

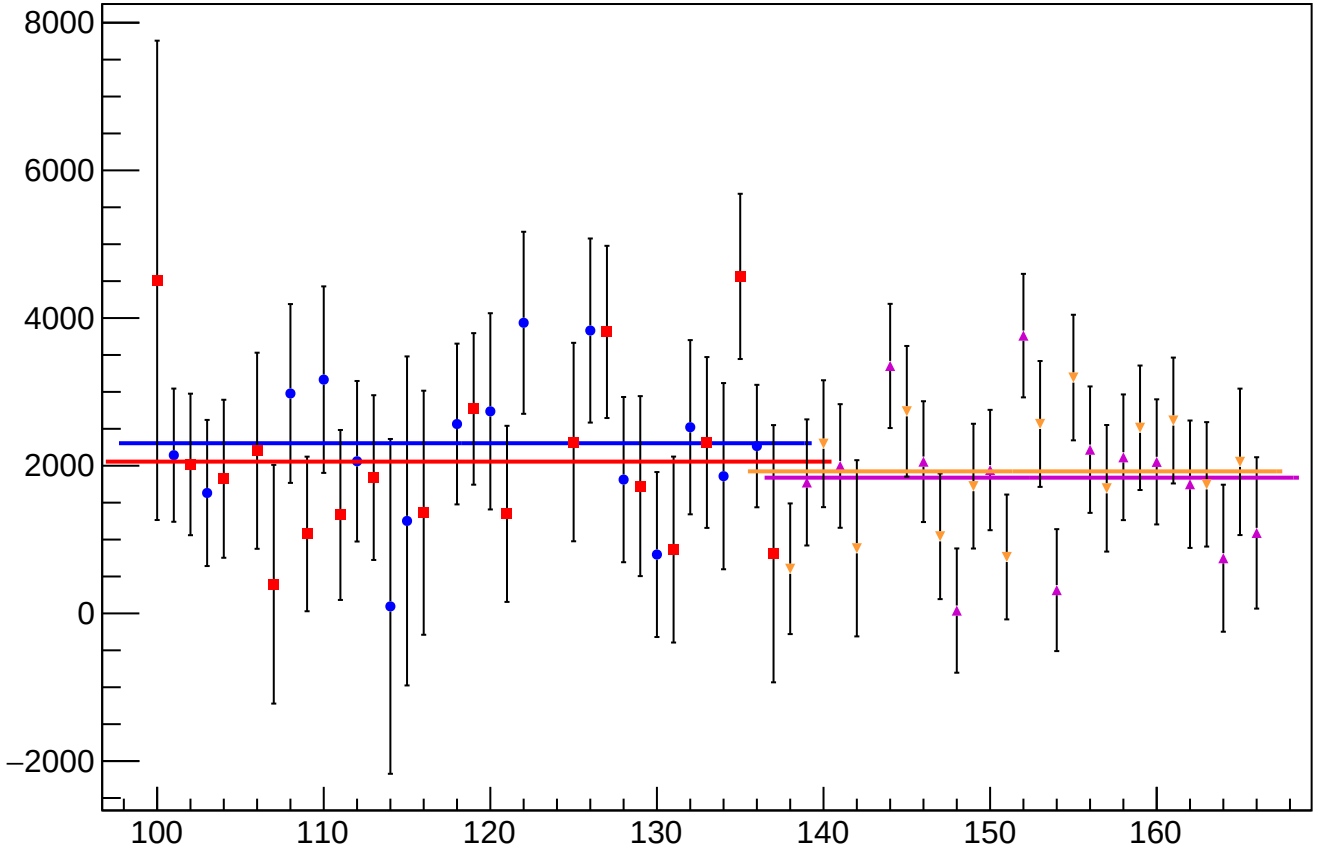
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1253.347+/-0.210 χ^2/NDF:1487050.7/29

Out: 1279.445+/-0.216 χ^2/NDF:1195717.8/31

All: 1266.007+/-0.150 χ^2/NDF: 2690290.7/61

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1923.812+/-234.908 χ^2/NDF:11.1/13

Right Out: 2055.666+/-289.090 χ^2/NDF: 12.9/17

Left In: 1838.200+/-229.643 χ^2/NDF:18.7/13

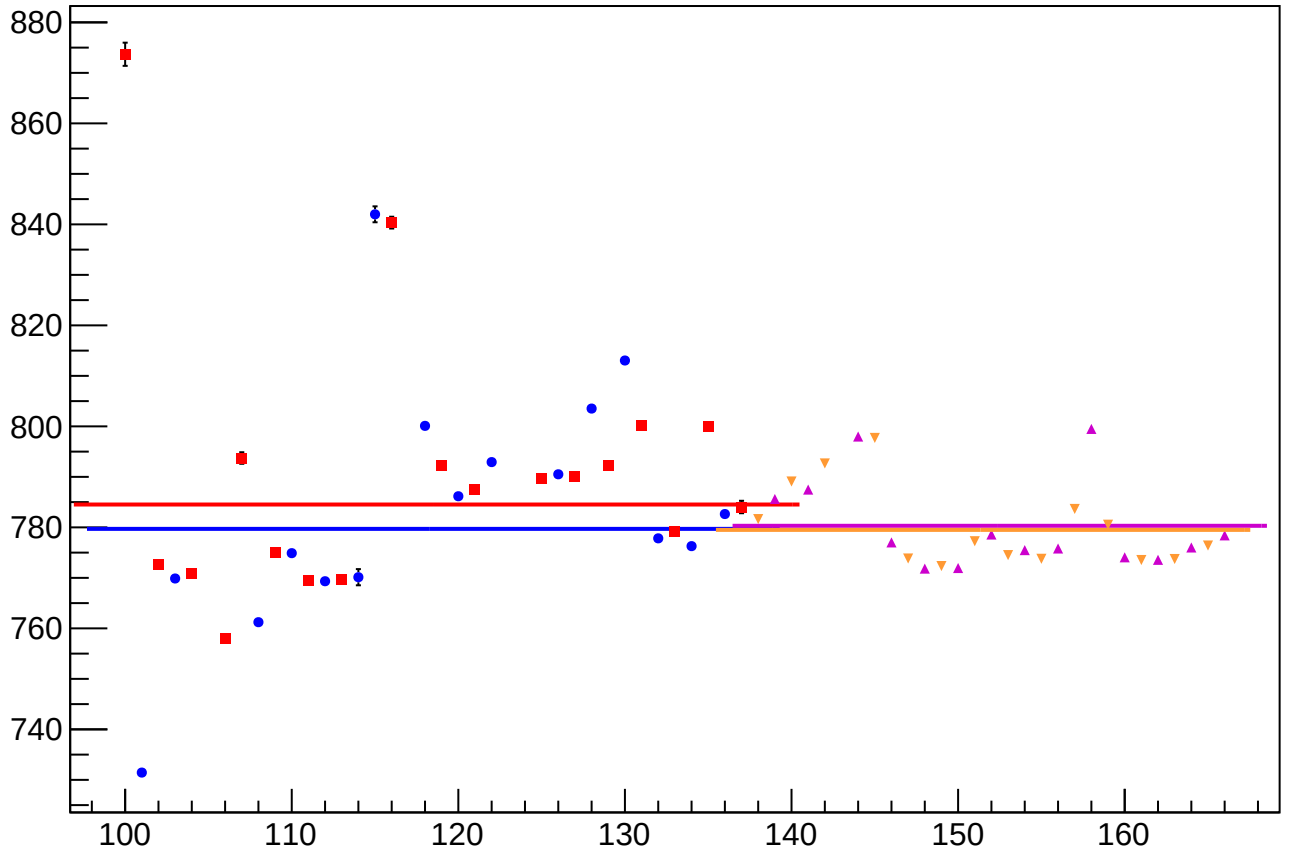
Left: 1880.036+/-164.212 χ^2/NDF: 29.9/27

Right: 2179.995+/-204.634 χ^2/NDF: 21.3/33

In: 2018.271+/-179.961 χ^2/NDF:28.4/29

Out: 1976.249+/-182.308 χ^2/NDF:24.1/31

All: 1997.533+/-128.074 χ^2/NDF: 52.5/61



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 779.500+/-0.166 χ^2/NDF:2017.4/13

Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.311+/-0.162 χ^2/NDF:2975.8/13

Left: 779.915+/-0.116 χ^2/NDF: 5005.5/27

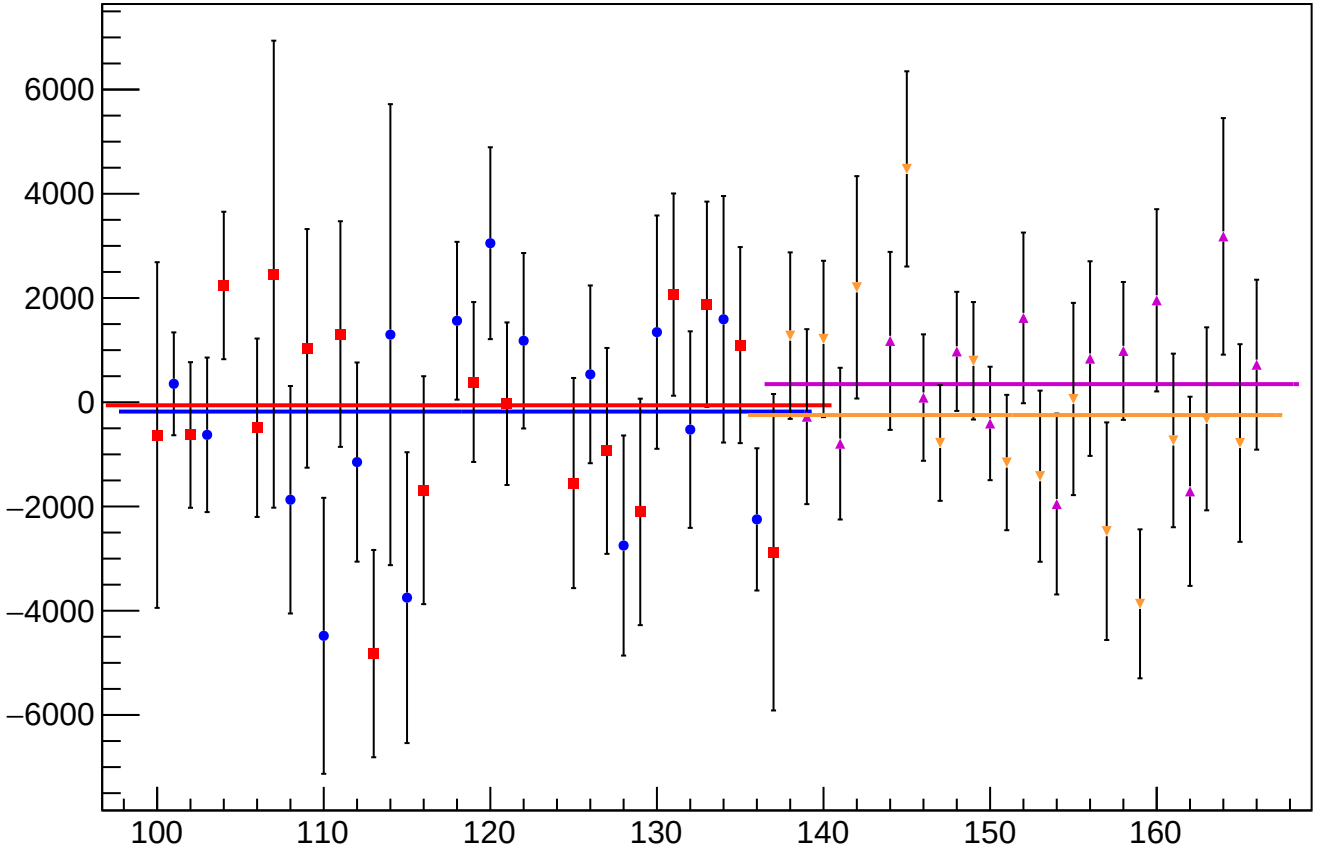
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.076+/-0.127 χ^2/NDF:15041.5/29

Out: 781.498+/-0.129 χ^2/NDF:9541.4/31

All: 780.778+/-0.091 χ^2/NDF: 24644.5/61

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -178.457+/-441.218 χ^2/NDF: 15.7/15

Left Out: -245.603+/-412.445 χ^2/NDF:19.4/13

Right Out: -58.040+/-455.216 χ^2/NDF: 15.3/17

Left In: 347.946+/-400.836 χ^2/NDF:8.2/13

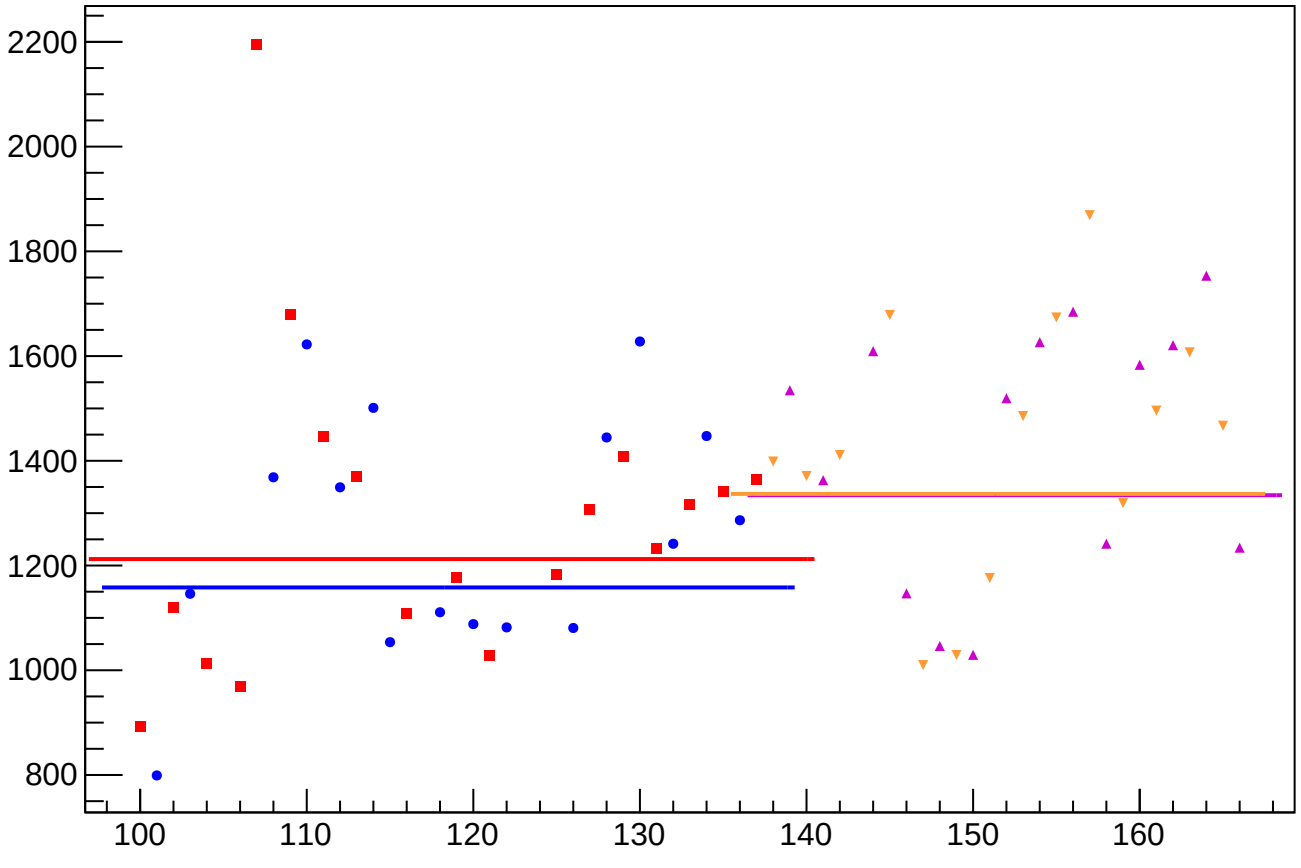
Left: 59.642+/-287.450 χ^2/NDF: 28.7/27

Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

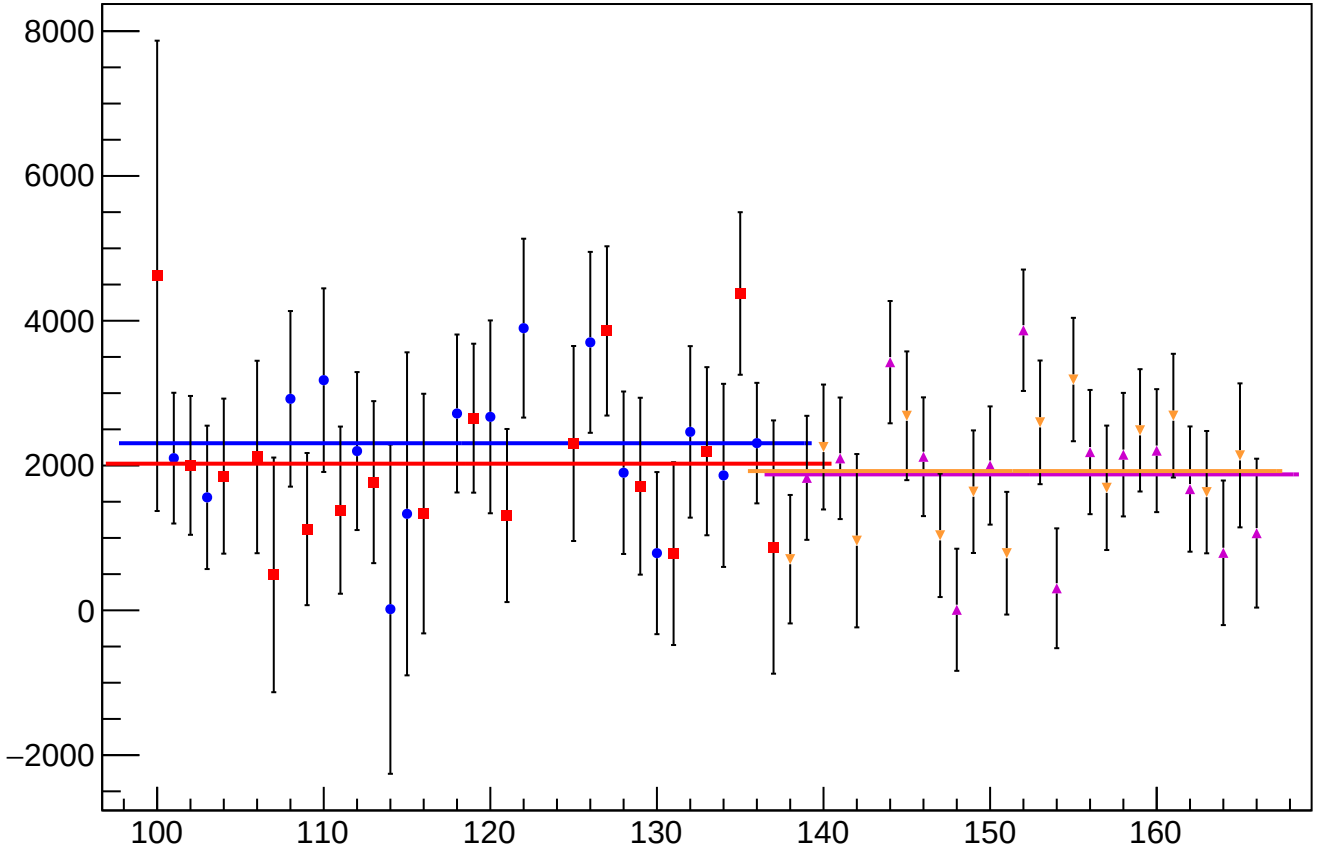
In: 109.931+/-296.685 χ^2/NDF:24.7/29

Out: -161.045+/-305.648 χ^2/NDF:34.7/31

All: -21.526+/-212.886 χ^2/NDF: 59.8/61


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1336.779+/-0.292 χ²/NDF:714288.8/13
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1334.243+/-0.283 χ²/NDF:741509.5/13
Left: 1335.475+/-0.203 χ²/NDF: 1455837.2/27
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1254.614+/-0.210 χ²/NDF:1485215.4/29
Out: 1280.682+/-0.216 χ²/NDF:1194295.4/31
All: 1267.260+/-0.151 χ²/NDF: 2687001.1/61

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 1877.723+/-230.253 χ^2/NDF:20.0/13

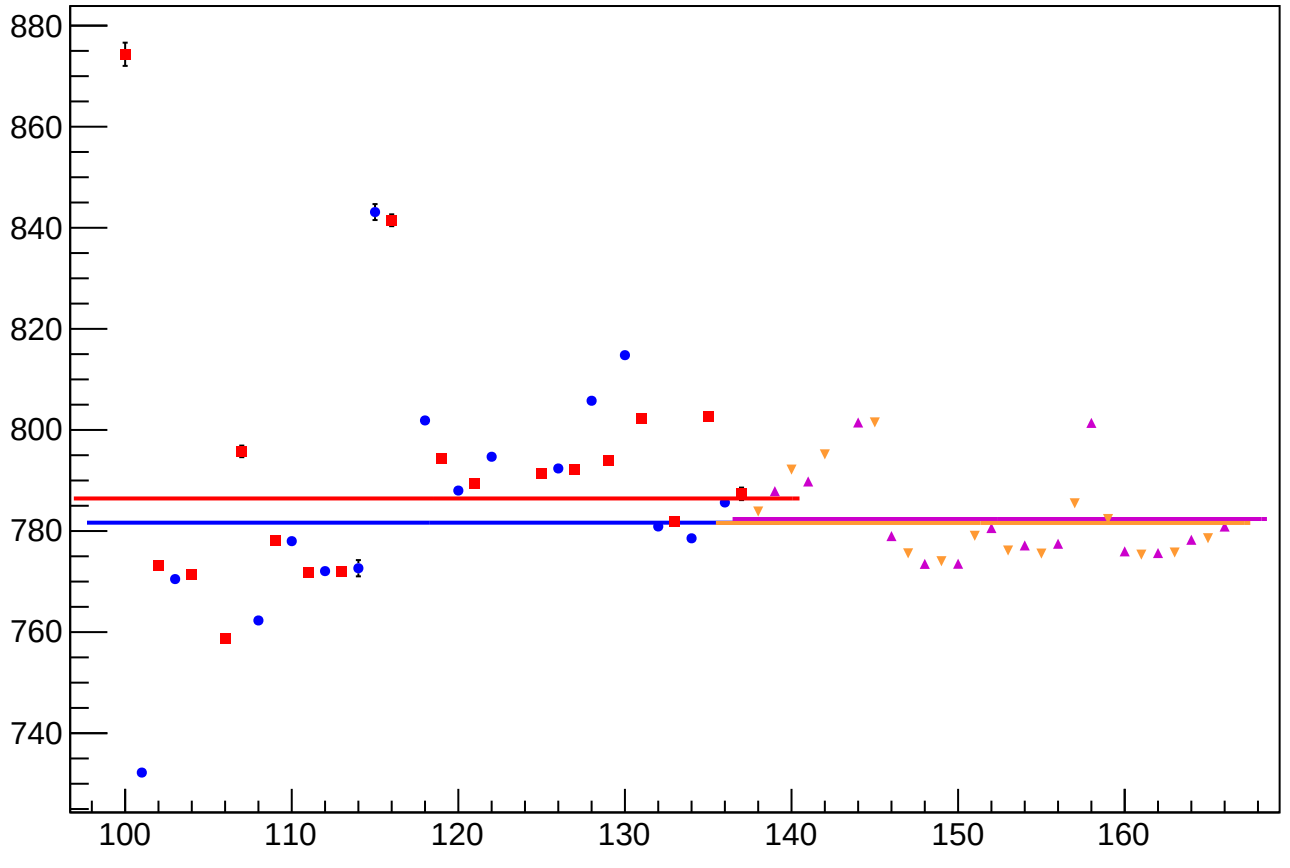
Left: 1900.018+/-164.652 χ^2/NDF: 30.7/27

Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2043.847+/-180.430 χ^2/NDF:29.1/29

Out: 1964.036+/-182.783 χ^2/NDF:22.7/31

All: 2004.459+/-128.407 χ^2/NDF: 51.9/61



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.380+/-0.163 χ^2/NDF:3172.8/13

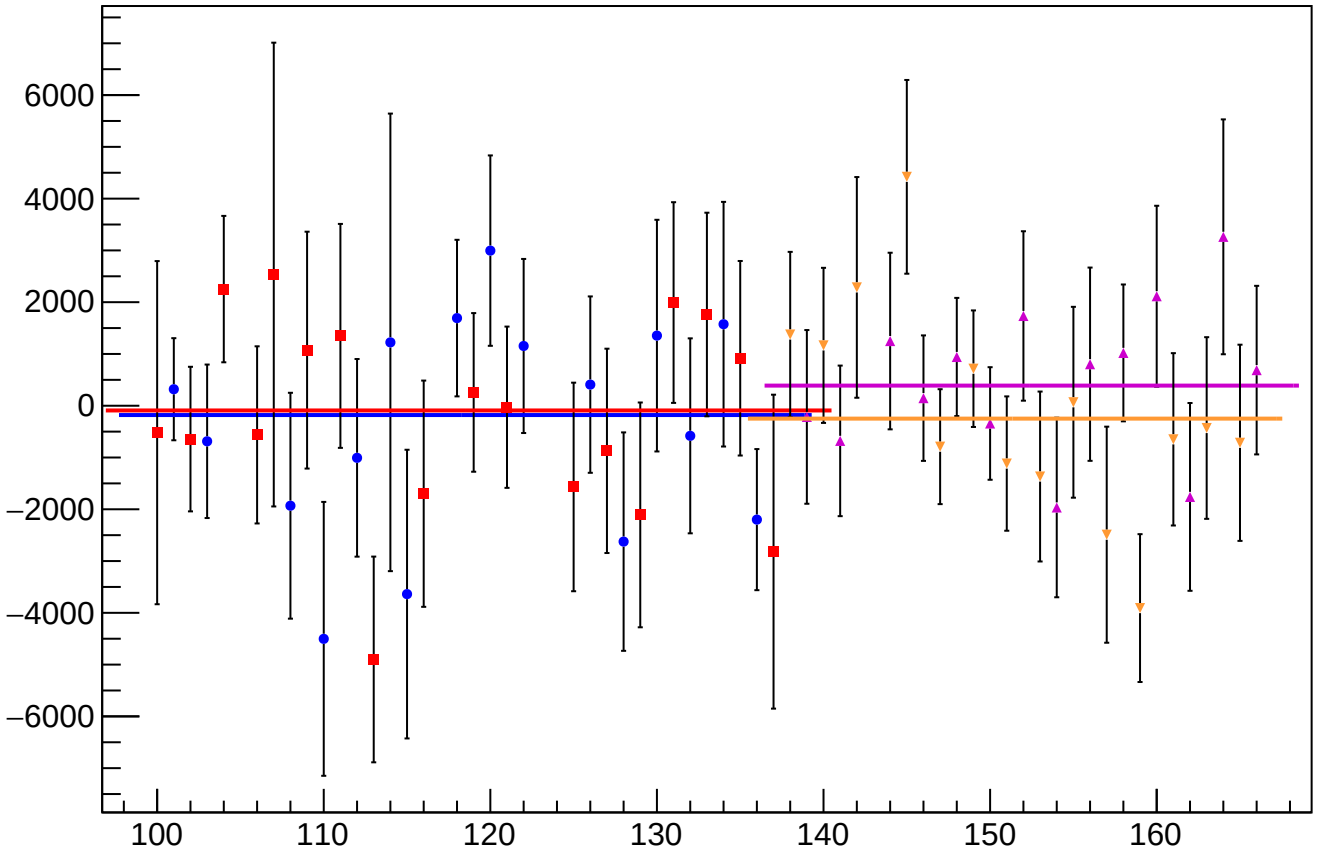
Left: 781.998+/-0.116 χ^2/NDF: 5479.1/27

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.100+/-0.128 χ^2/NDF:15499.5/29

Out: 783.525+/-0.129 χ^2/NDF:9833.4/31

All: 782.803+/-0.091 χ^2/NDF: 25394.5/61



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 388.762+/-400.458 χ^2/NDF:8.5/13

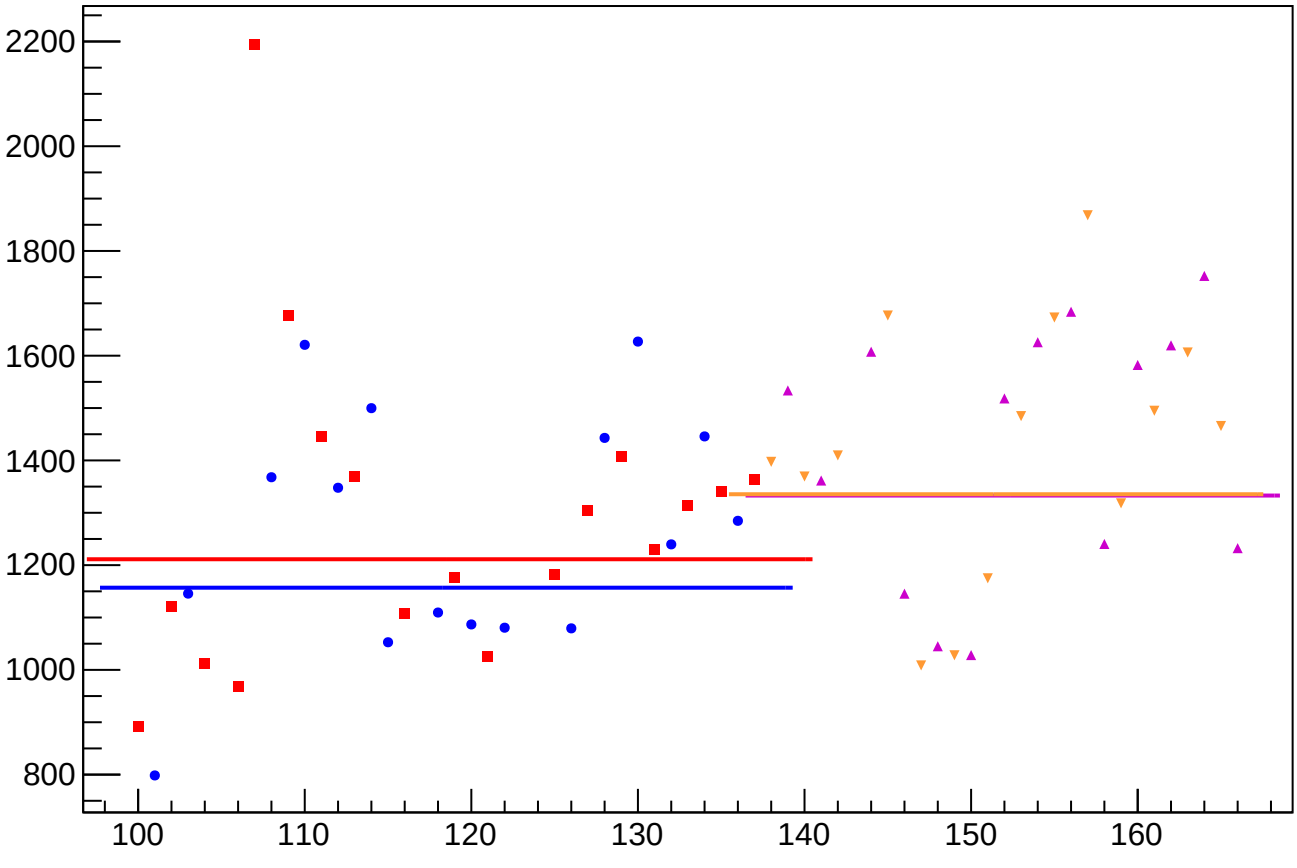
Left: 79.008+/-287.176 χ^2/NDF: 29.0/27

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 131.607+/-296.396 χ^2/NDF:24.8/29

Out: -177.868+/-305.363 χ^2/NDF:34.6/31

All: -18.521+/-212.683 χ^2/NDF: 59.9/61


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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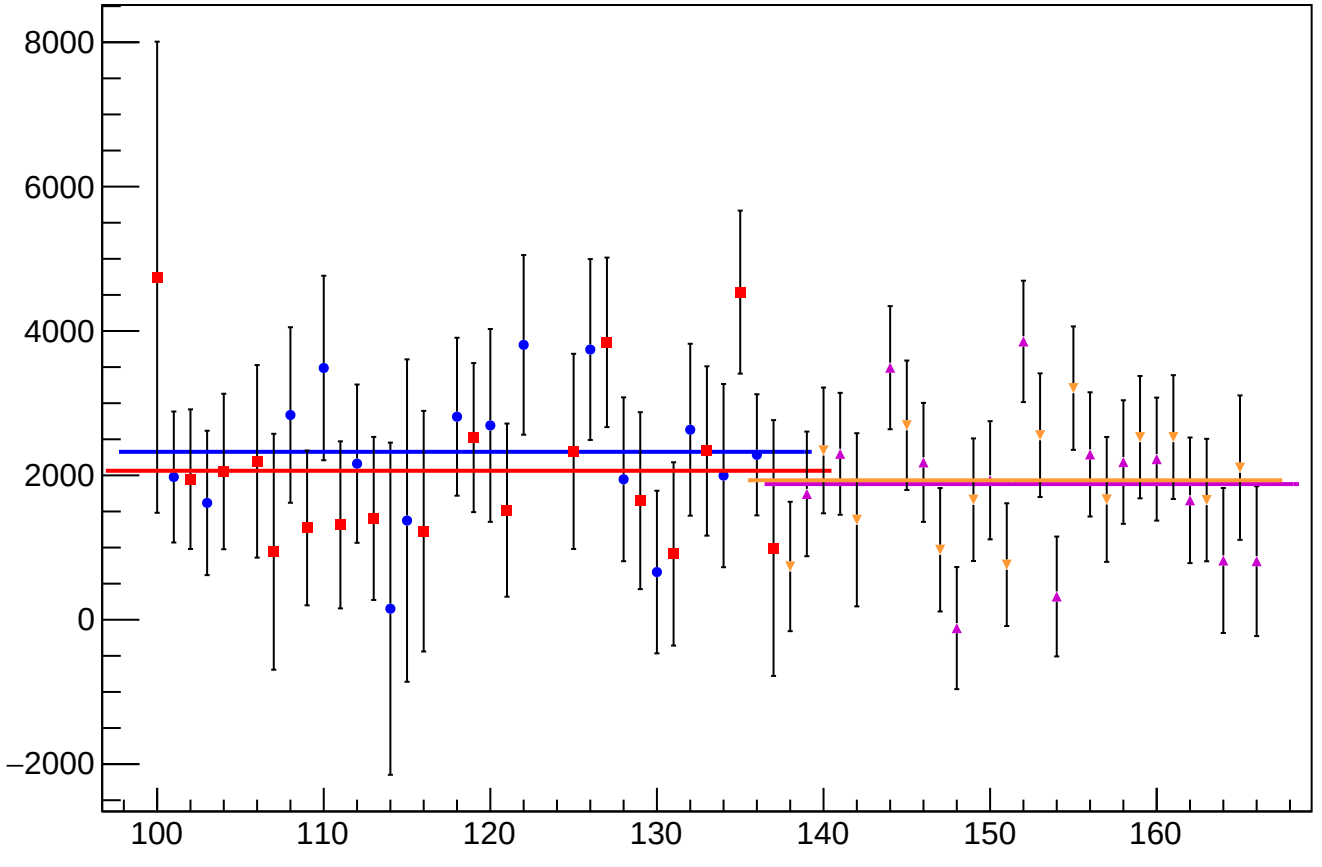
130
140
150
160
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1335.408+/-0.291 χ²/NDF:716164.6/13
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1332.919+/-0.283 χ²/NDF:743302.6/13
Left: 1334.128+/-0.203 χ²/NDF: 1459504.7/27
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1253.347+/-0.210 χ²/NDF:1487050.7/29
Out: 1279.445+/-0.216 χ²/NDF:1195717.8/31
All: 1266.007+/-0.150 χ²/NDF: 2690290.7/61

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1932.133+/-236.700 χ^2/NDF:10.2/13

Right Out: 2063.976+/-291.790 χ^2/NDF: 11.6/17

Left In: 1879.521+/-231.377 χ^2/NDF:21.3/13

Left: 1905.229+/-165.458 χ^2/NDF: 31.5/27

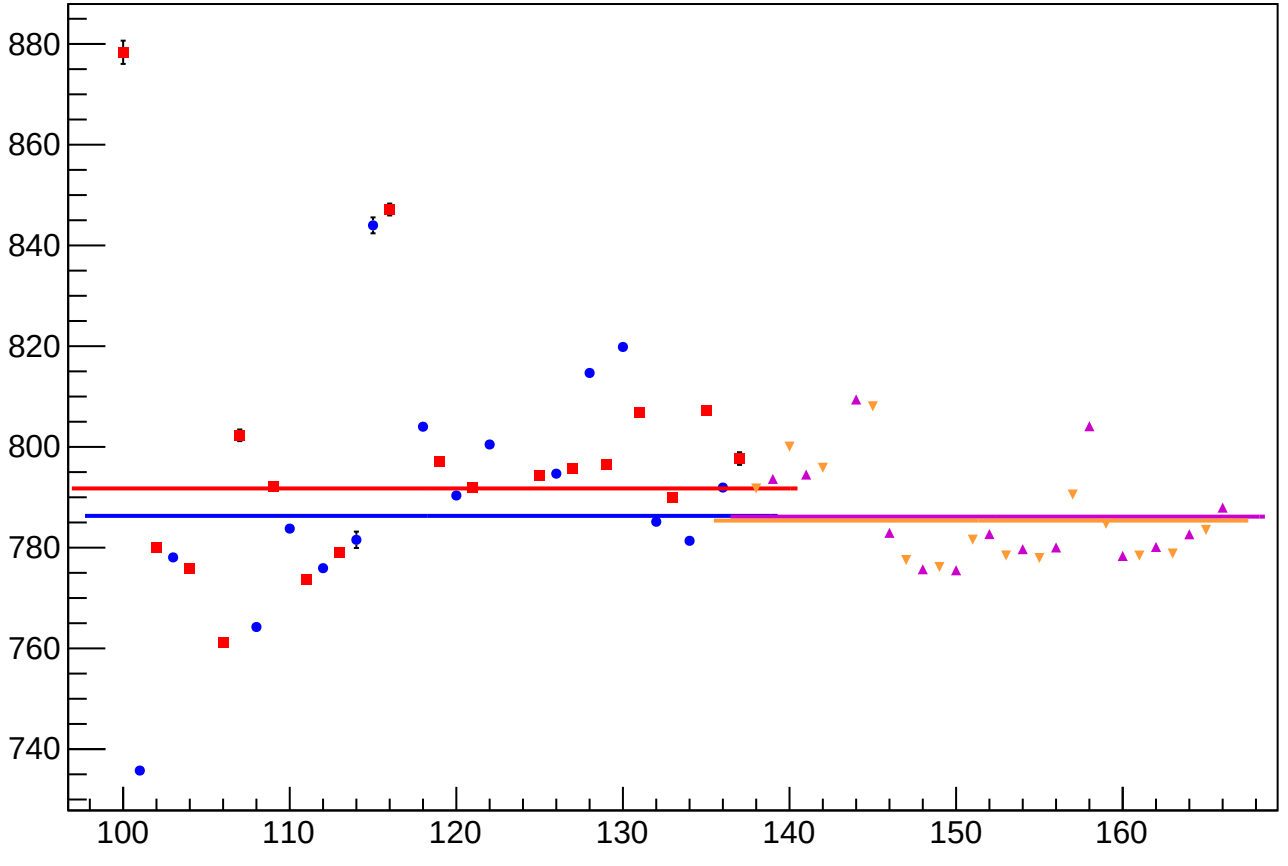
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2051.768+/-181.389 χ^2/NDF:30.9/29

Out: 1984.459+/-183.823 χ^2/NDF:21.9/31

All: 2018.562+/-129.113 χ^2/NDF: 52.9/61

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.160+/-0.164 χ^2/NDF:3935.9/13

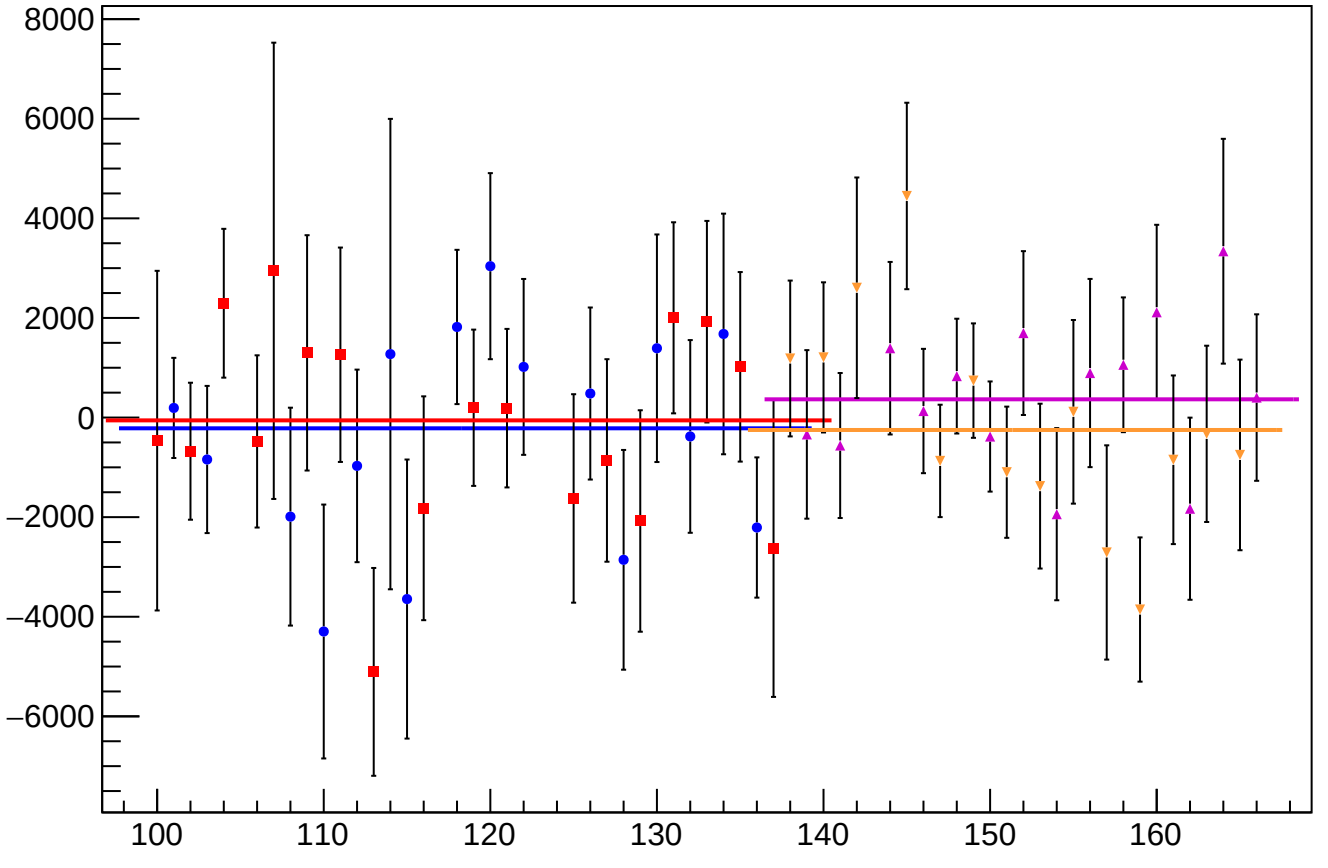
Left: 785.777+/-0.117 χ^2/NDF: 7104.7/27

Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 786.218+/-0.128 χ^2/NDF:16507.3/29

Out: 787.909+/-0.130 χ^2/NDF:10749.3/31

All: 787.052+/-0.091 χ^2/NDF: 27342.4/61


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
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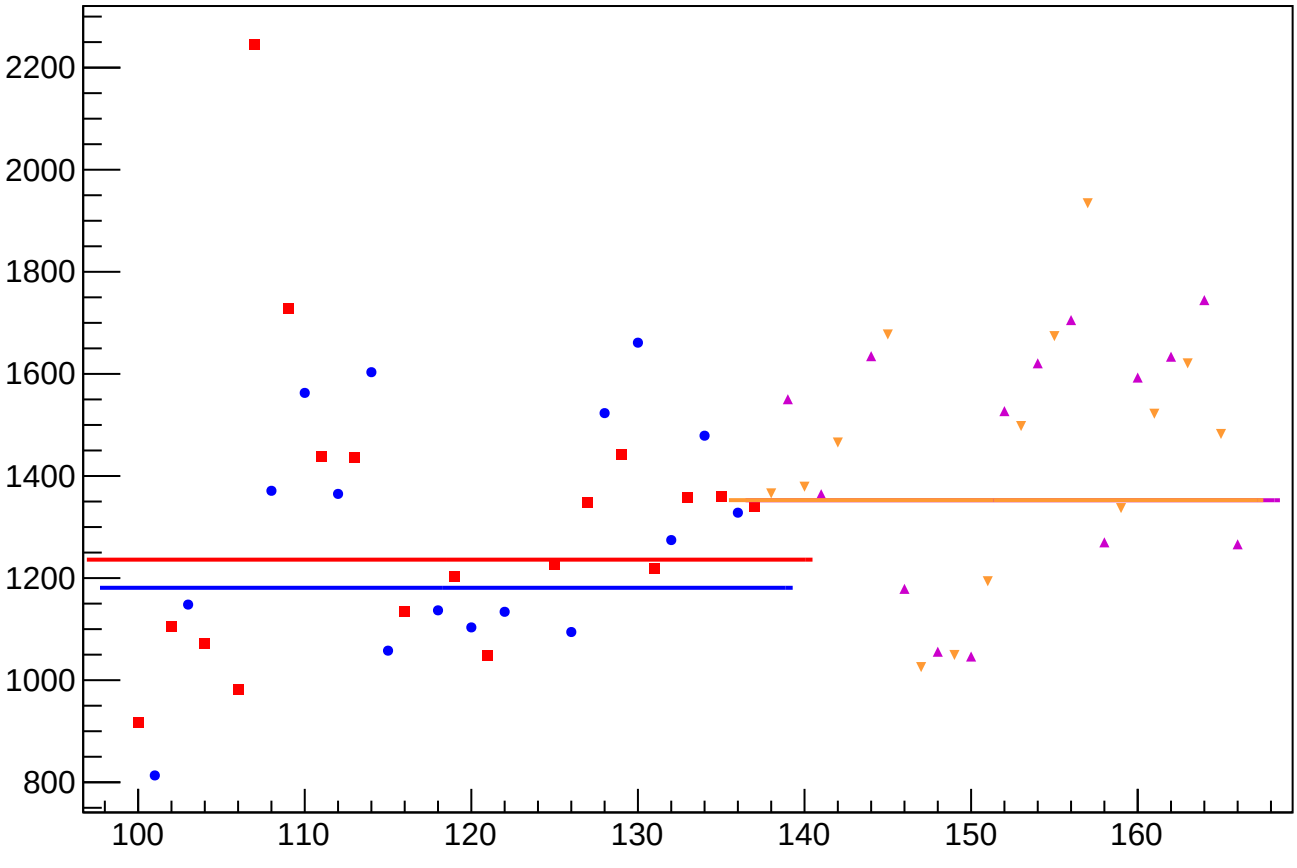
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -249.751+/-417.023 χ²/NDF:19.4/13
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 365.973+/-405.748 χ²/NDF:8.5/13
Left: 66.547+/-290.812 χ²/NDF: 29.1/27
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 104.622+/-301.202 χ²/NDF:24.7/29
Out: -163.523+/-310.156 χ²/NDF:34.6/31
All: -25.524+/-216.078 χ²/NDF: 59.8/61


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
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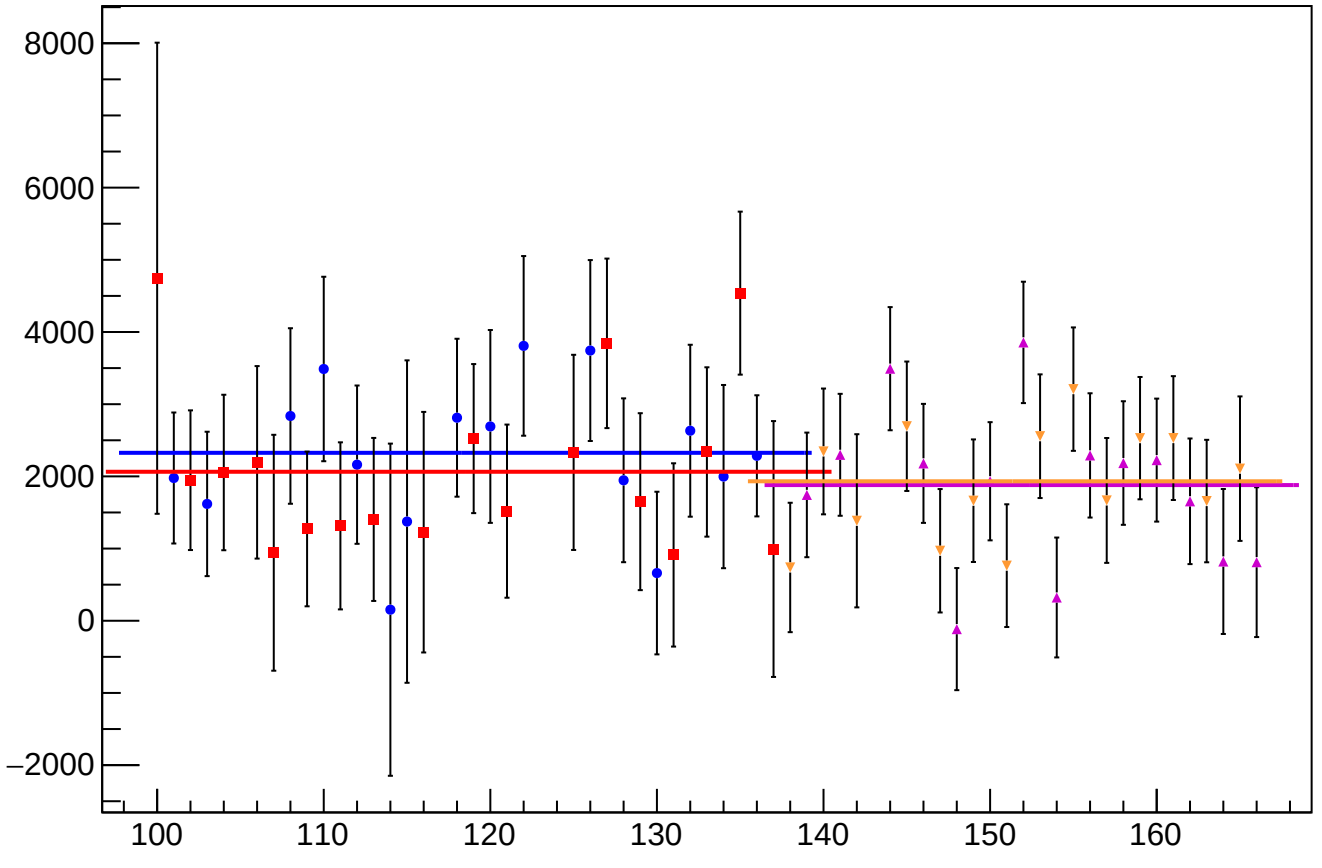
130
140
150
160
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1352.705+/-0.295 χ²/NDF:700110.9/13
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1352.501+/-0.287 χ²/NDF:703398.1/13
Left: 1352.600+/-0.206 χ²/NDF: 1403509.3/27
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1275.507+/-0.213 χ²/NDF:1434920.6/29
Out: 1300.615+/-0.219 χ²/NDF:1167184.9/31
All: 1287.693+/-0.153 χ²/NDF: 2608850.8/61



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1932.130+/-236.700 χ^2/NDF:10.2/13

Right Out: 2063.975+/-291.790 χ^2/NDF: 11.6/17

Left In: 1879.522+/-231.377 χ^2/NDF:21.3/13

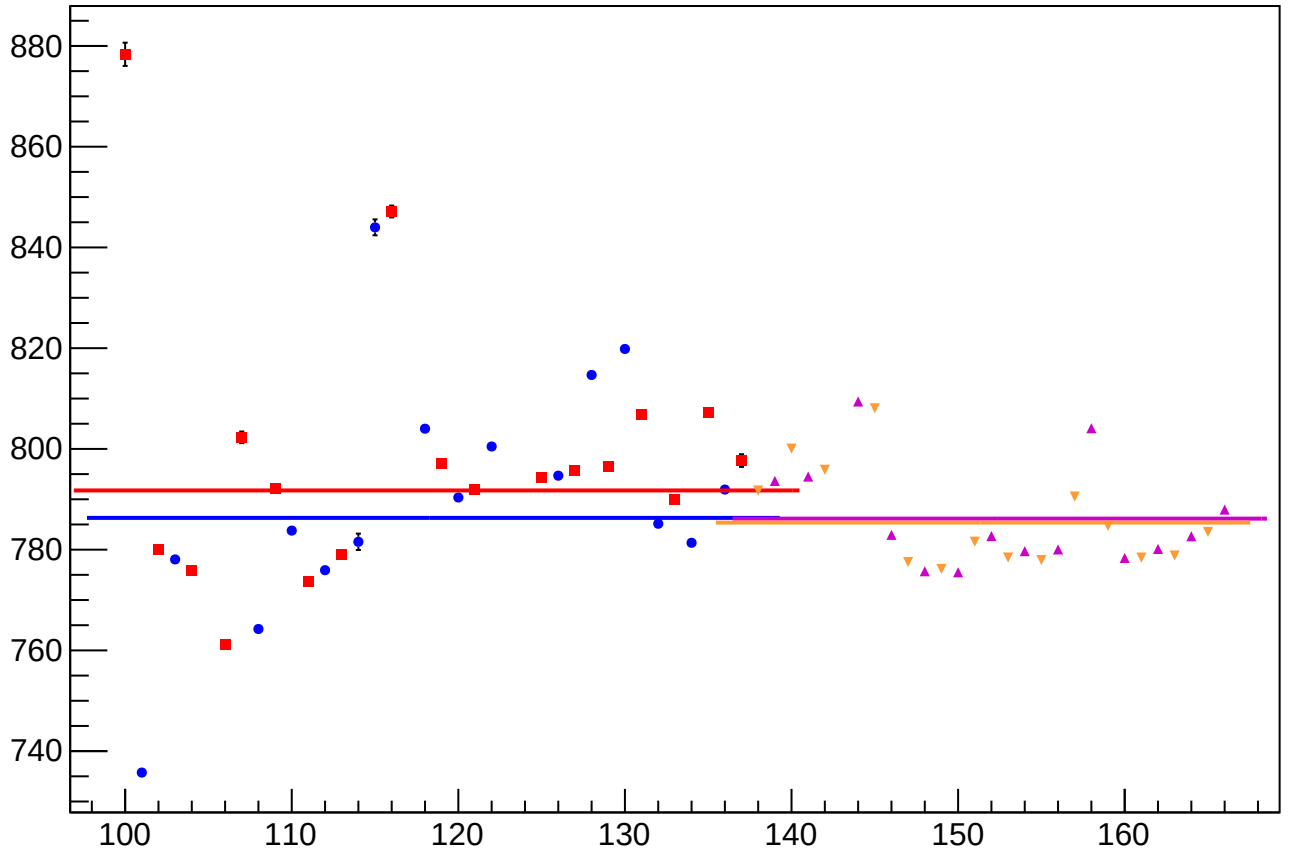
Left: 1905.228+/-165.458 χ^2/NDF: 31.5/27

Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2051.769+/-181.389 χ^2/NDF:30.9/29

Out: 1984.456+/-183.823 χ^2/NDF:21.9/31

All: 2018.561+/-129.113 χ^2/NDF: 52.9/61



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.160+/-0.164 χ^2/NDF:3935.9/13

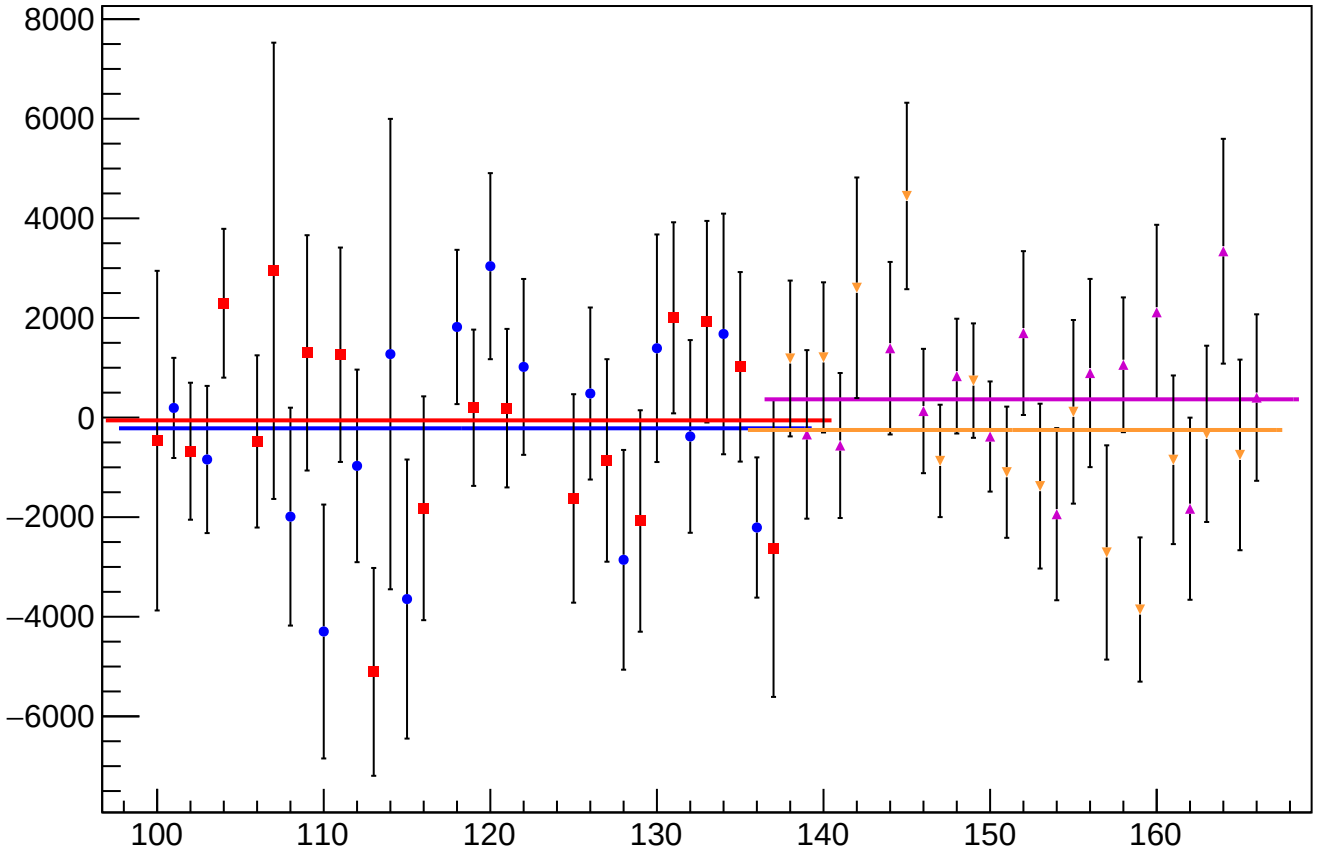
Left: 785.777+/-0.117 χ^2/NDF: 7104.7/27

Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 786.217+/-0.128 χ^2/NDF:16507.3/29

Out: 787.909+/-0.130 χ^2/NDF:10749.2/31

All: 787.052+/-0.091 χ^2/NDF: 27342.3/61



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

Left Out: -249.755+/-417.024 χ^2/NDF:19.4/13

Right Out: -56.784+/-463.977 χ^2/NDF: 15.1/17

Left In: 365.974+/-405.749 χ^2/NDF:8.5/13

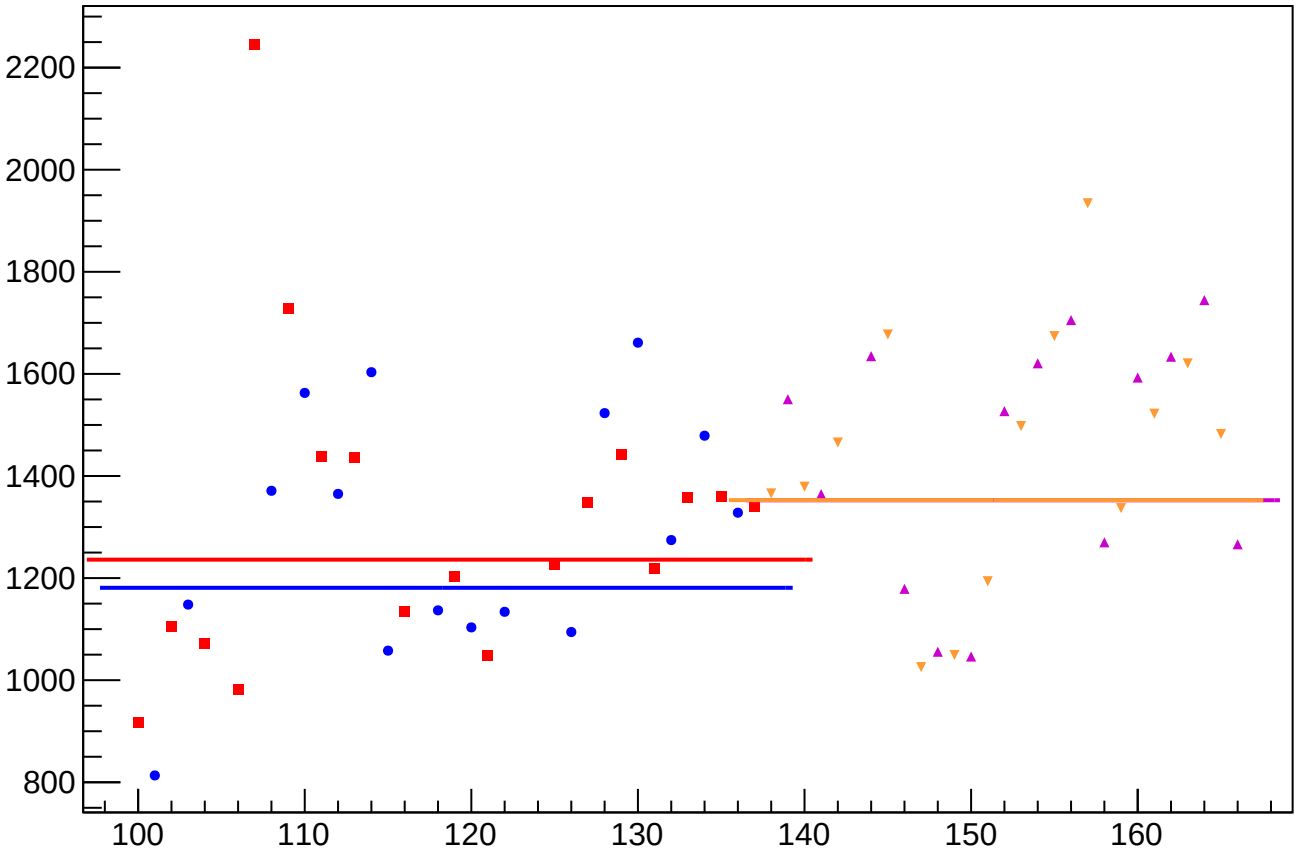
Left: 66.546+/-290.812 χ^2/NDF: 29.1/27

Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 104.622+/-301.202 χ^2/NDF:24.7/29

Out: -163.525+/-310.156 χ^2/NDF:34.6/31

All: -25.525+/-216.078 χ^2/NDF: 59.8/61



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1352.707+/-0.295 χ^2/NDF:700113.1/13

Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1352.503+/-0.287 χ^2/NDF:703399.2/13

Left: 1352.603+/-0.206 χ^2/NDF: 1403512.5/27

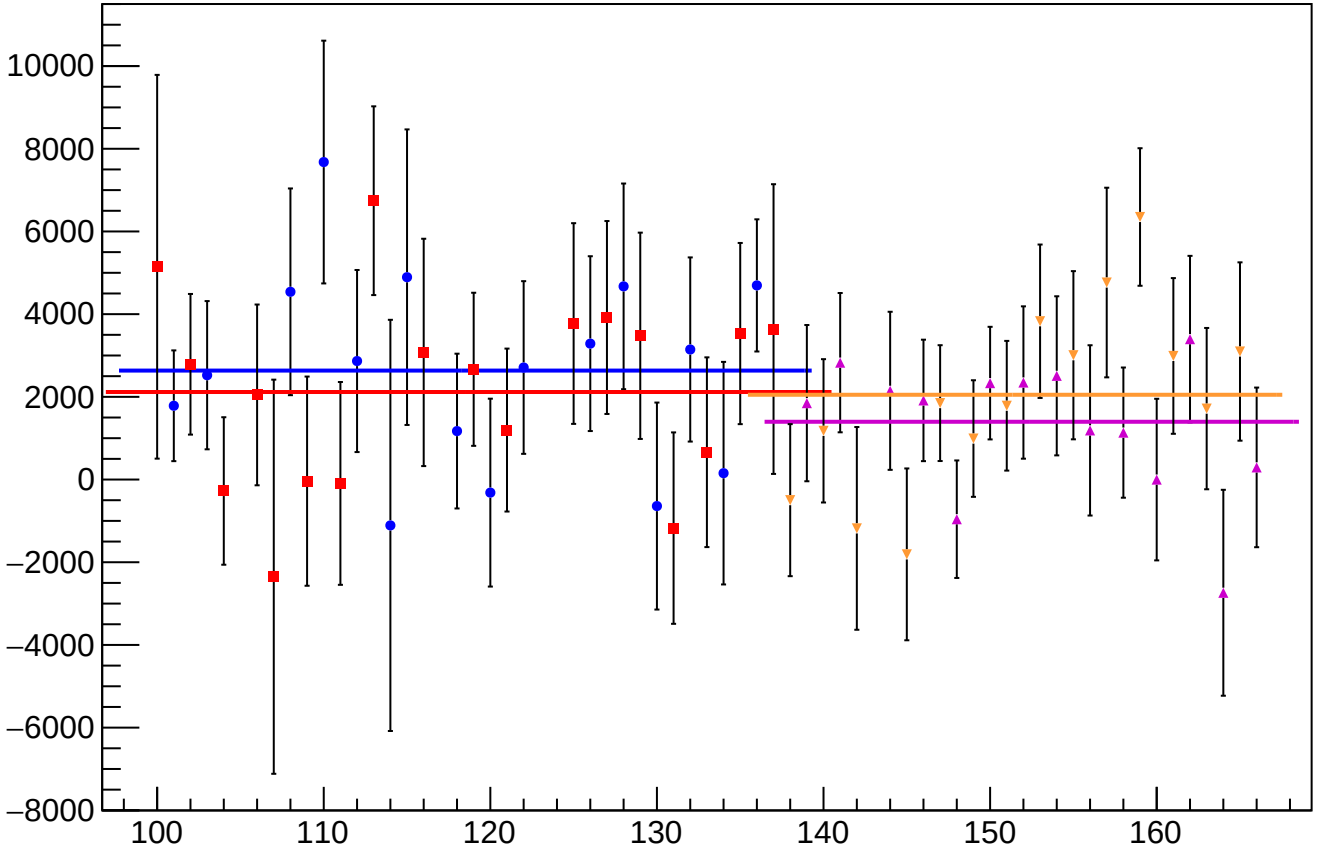
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1275.507+/-0.213 χ^2/NDF:1434930.0/29

Out: 1300.615+/-0.219 χ^2/NDF:1167192.8/31

All: 1287.693+/-0.153 χ^2/NDF: 2608868.0/61

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 2050.362+/-482.826 χ^2/NDF:17.7/13

Right Out: 2117.162+/-547.483 χ^2/NDF: 13.7/17

Left In: 1397.277+/-469.002 χ^2/NDF:9.5/13

Left: 1714.337+/-336.416 χ^2/NDF: 28.1/27

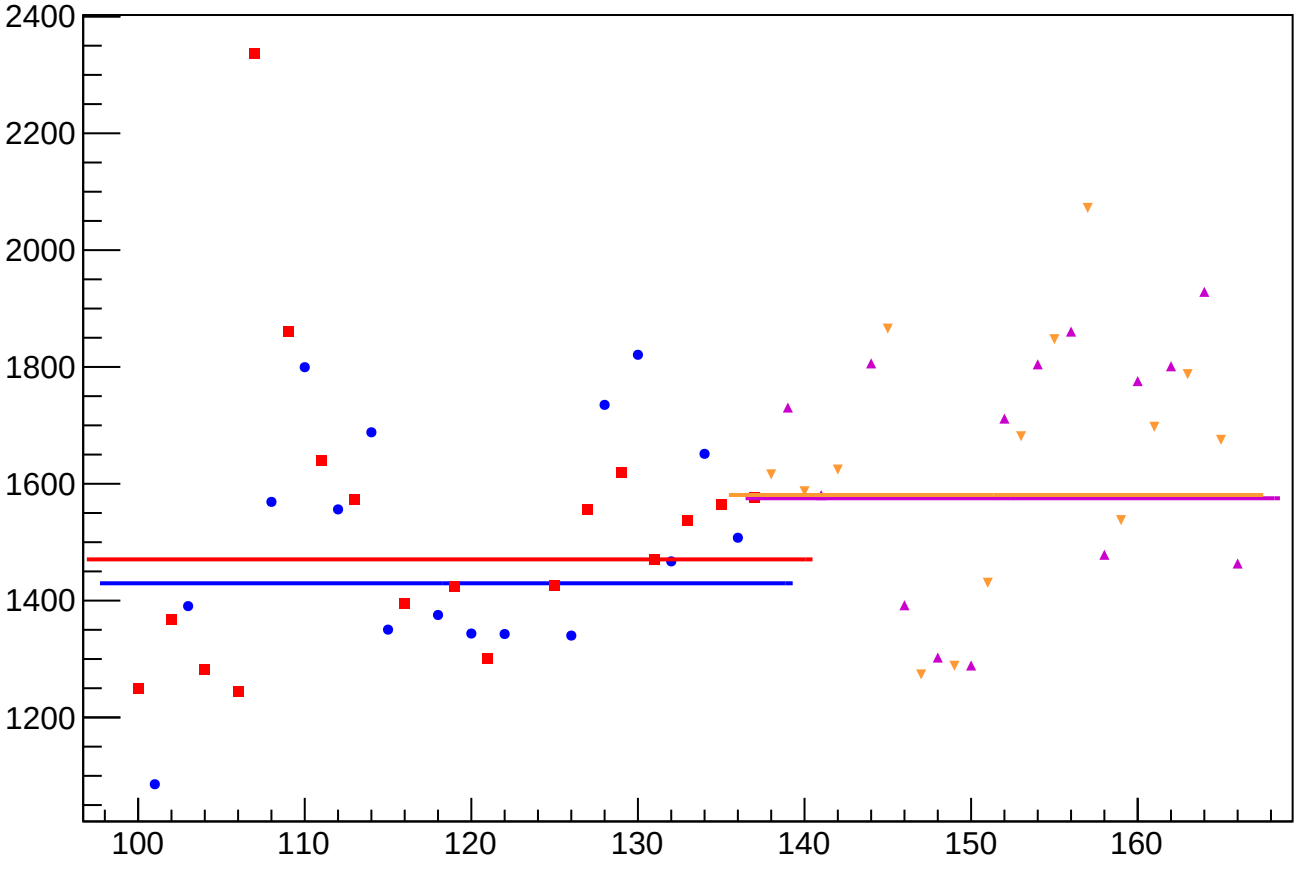
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1931.861+/-353.538 χ^2/NDF:24.8/29

Out: 2079.587+/-362.123 χ^2/NDF:31.4/31

All: 2003.952+/-252.970 χ^2/NDF: 56.3/61

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1580.830+/-0.341 χ^2/NDF:407045.8/13

Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1575.207+/-0.332 χ^2/NDF:414411.2/13

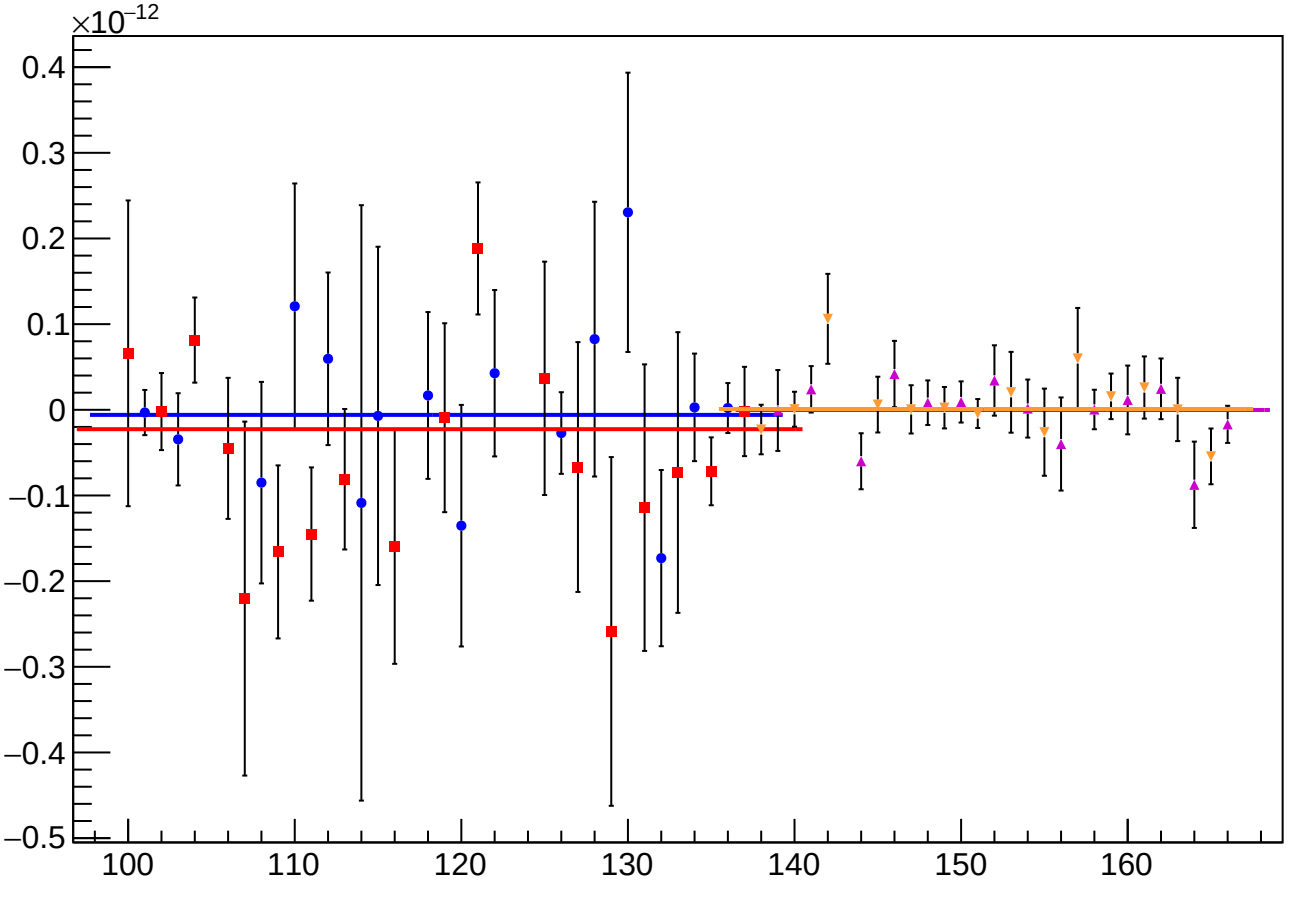
Left: 1577.937+/-0.238 χ^2/NDF: 821596.5/27

Right: 1449.753+/-0.271 χ^2/NDF: 517137.1/33

In: 1512.361+/-0.250 χ^2/NDF:790971.5/29

Out: 1532.590+/-0.256 χ^2/NDF:670747.7/31

All: 1522.233+/-0.179 χ^2/NDF: 1464914.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/13

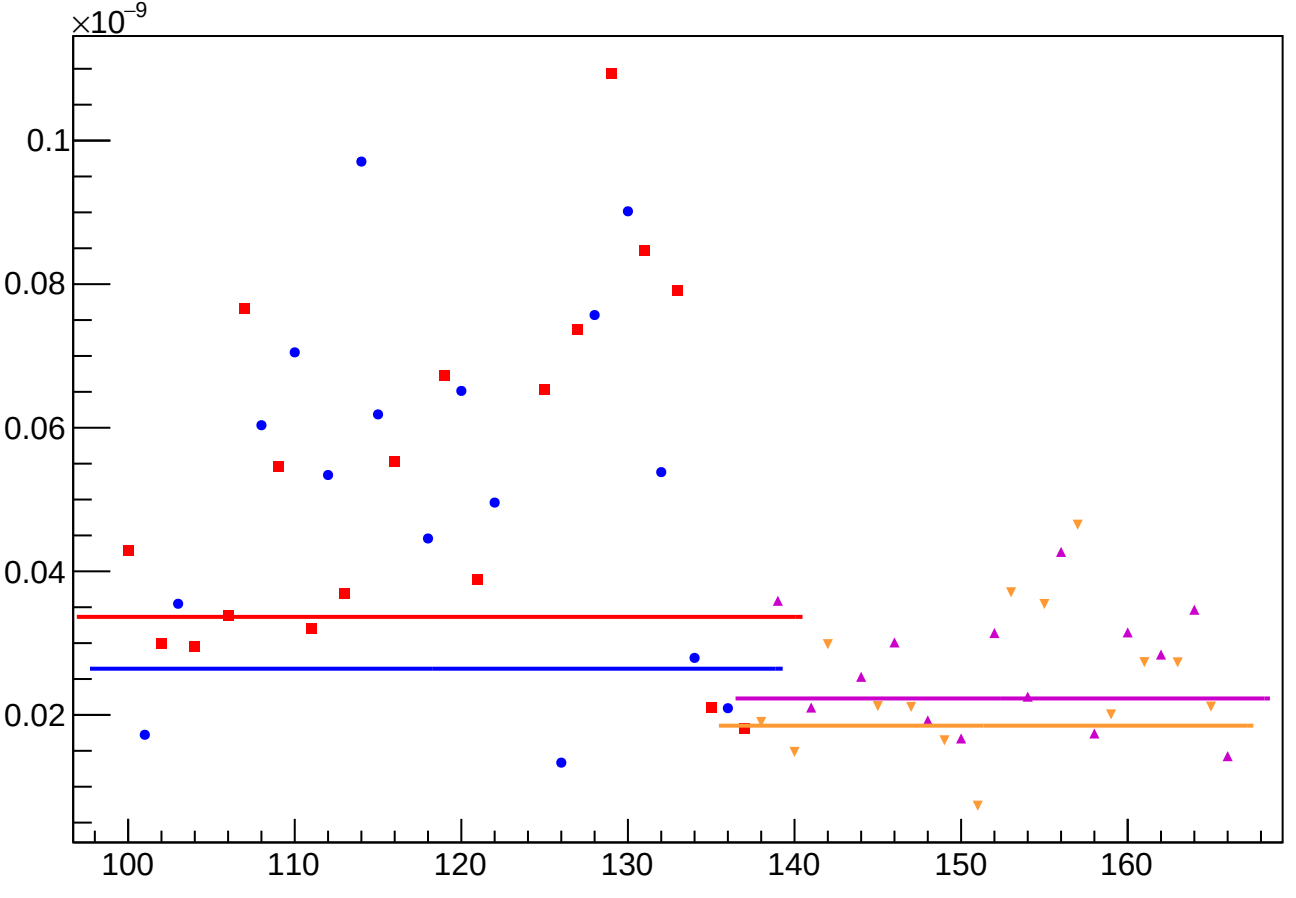
Left: 0.000+/-0.000 χ^2/NDF: 21.0/27

Right: -0.000+/-0.000 χ^2/NDF: 32.1/33

In: -0.000+/-0.000 χ^2/NDF:19.6/29

Out: -0.000+/-0.000 χ^2/NDF:34.4/31

All: -0.000+/-0.000 χ^2/NDF: 54.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2311230.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1434013.5/13

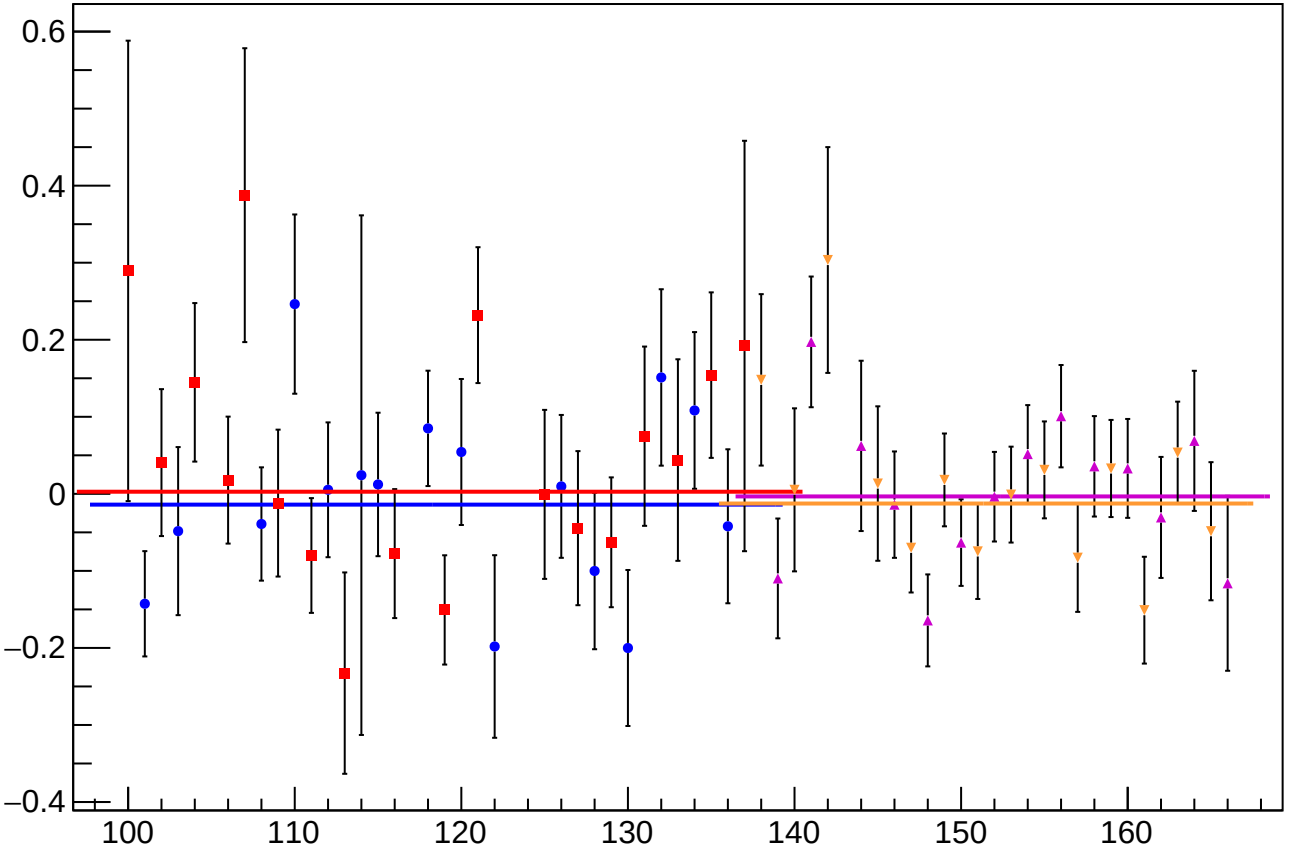
Left: 0.000+/-0.000 χ^2/NDF: 3963794.8/27

Right: 0.000+/-0.000 χ^2/NDF: 4035968.6/33

In: 0.000+/-0.000 χ^2/NDF:3686852.9/29

Out: 0.000+/-0.000 χ^2/NDF:5194148.0/31

All: 0.000+/-0.000 χ^2/NDF: 8989814.4/61



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

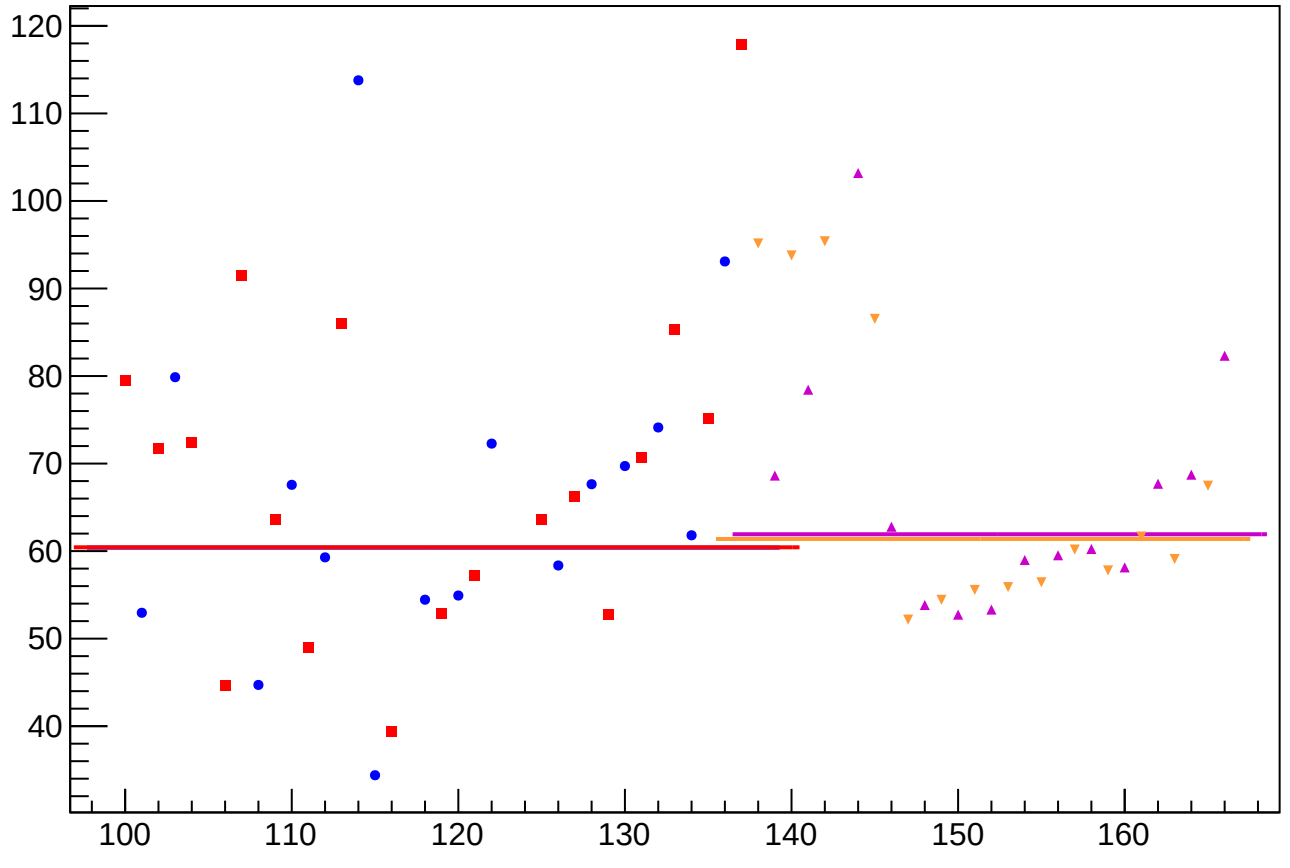
Left: -0.008+/-0.014 χ^2/NDF: 38.2/27

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.007+/-0.011 χ^2/NDF: 87.6/61



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605398.5/13

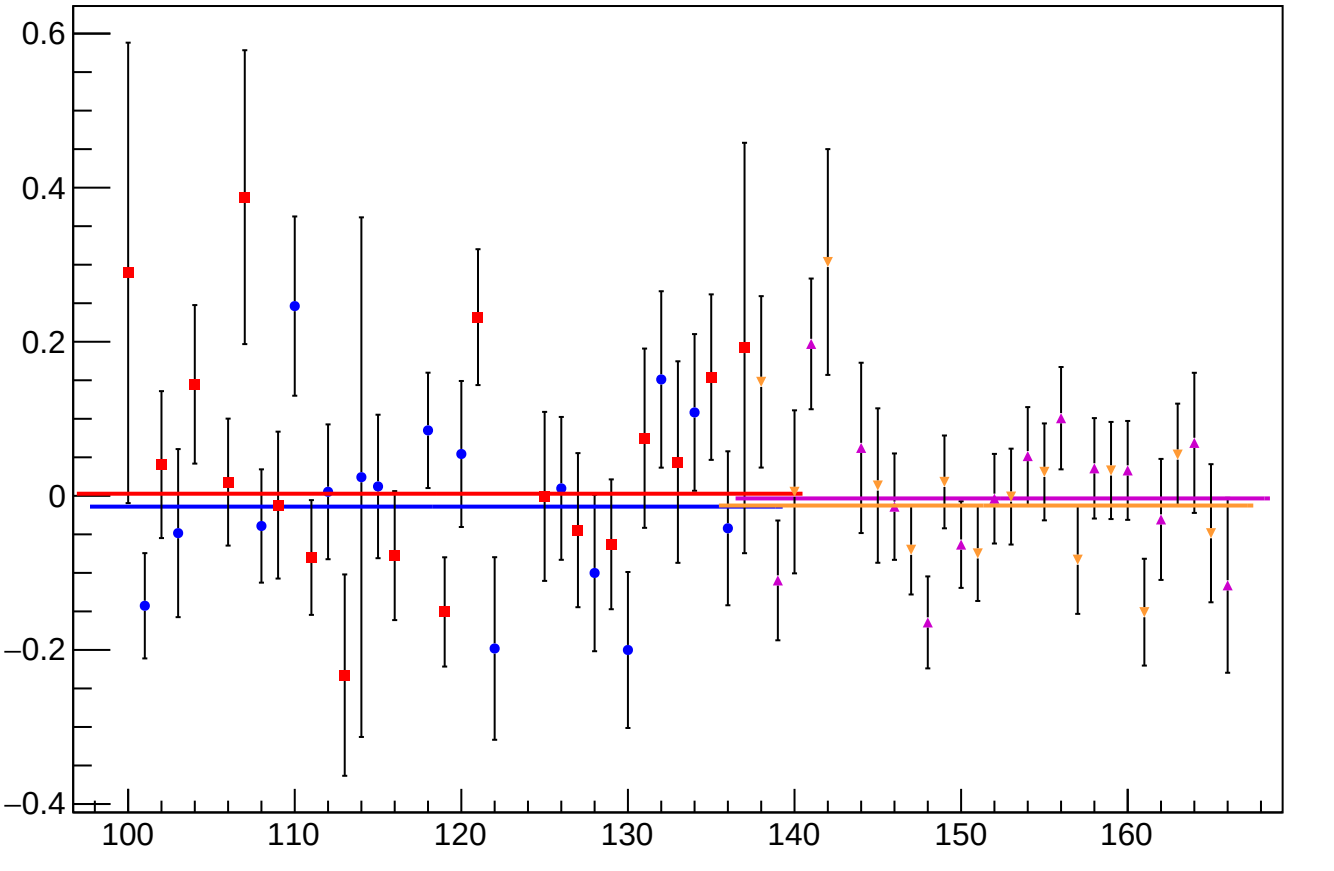
Left: 61.662+/-0.010 χ^2/NDF: 1352912.6/27

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.338+/-0.010 χ^2/NDF:1313585.6/29

Out: 61.007+/-0.011 χ^2/NDF:1459732.3/31

All: 61.174+/-0.007 χ^2/NDF: 2773809.3/61



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

Left: -0.008+/-0.014 χ^2/NDF: 38.2/27

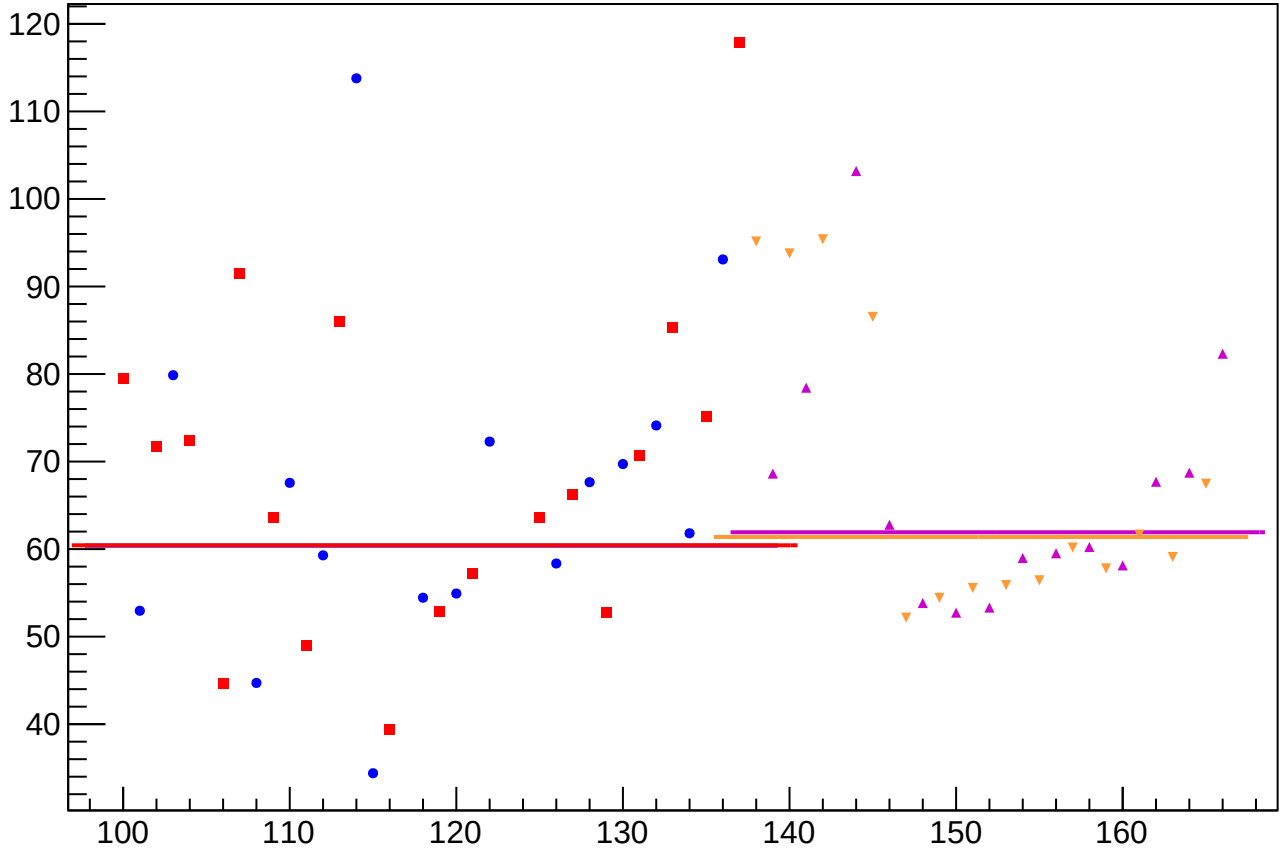
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.007+/-0.011 χ^2/NDF: 87.6/61

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605398.5/13

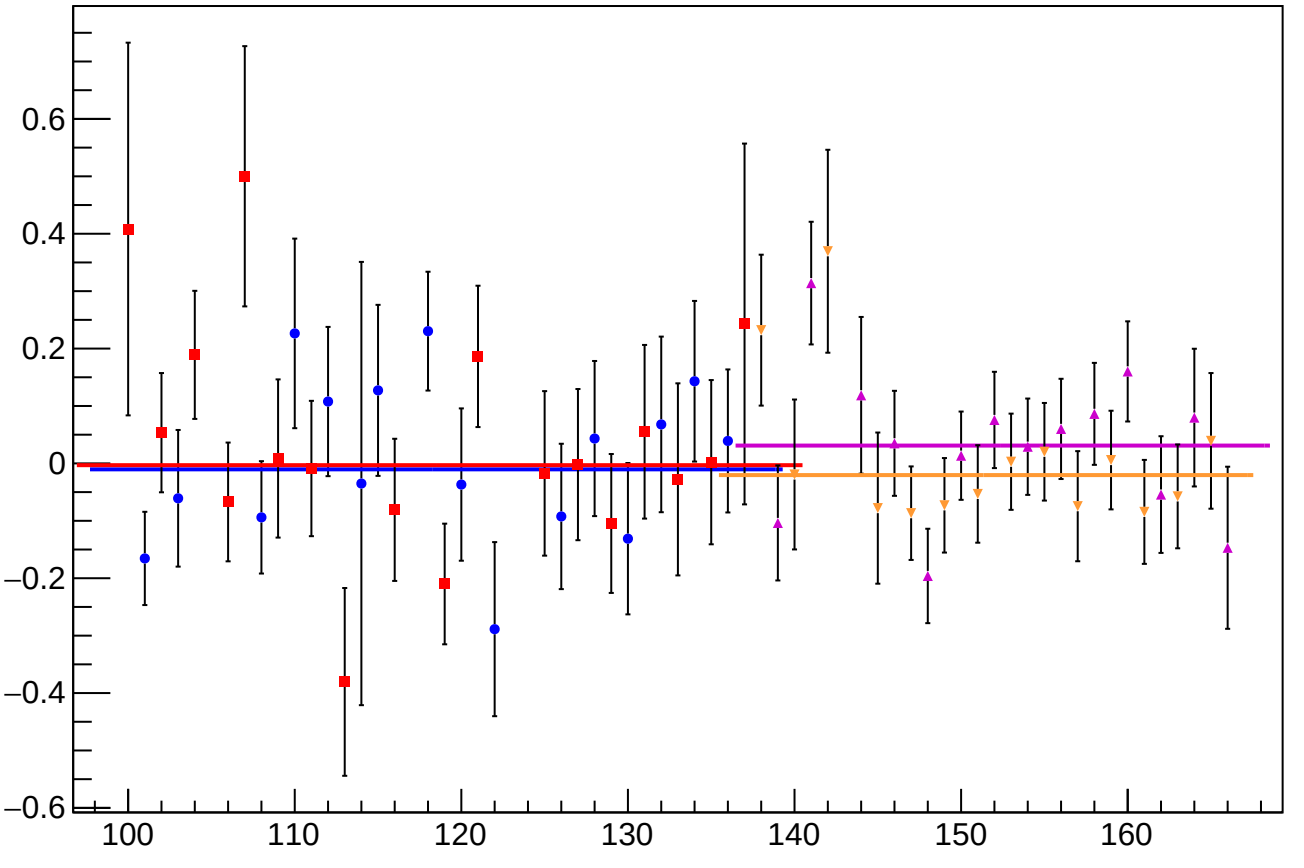
Left: 61.662+/-0.010 χ^2/NDF: 1352912.6/27

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.338+/-0.010 χ^2/NDF:1313585.6/29

Out: 61.007+/-0.011 χ^2/NDF:1459732.3/31

All: 61.174+/-0.007 χ^2/NDF: 2773809.3/61



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

Right Out: -0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.031+/-0.025 χ^2/NDF:22.4/13

Left: 0.006+/-0.018 χ^2/NDF: 36.0/27

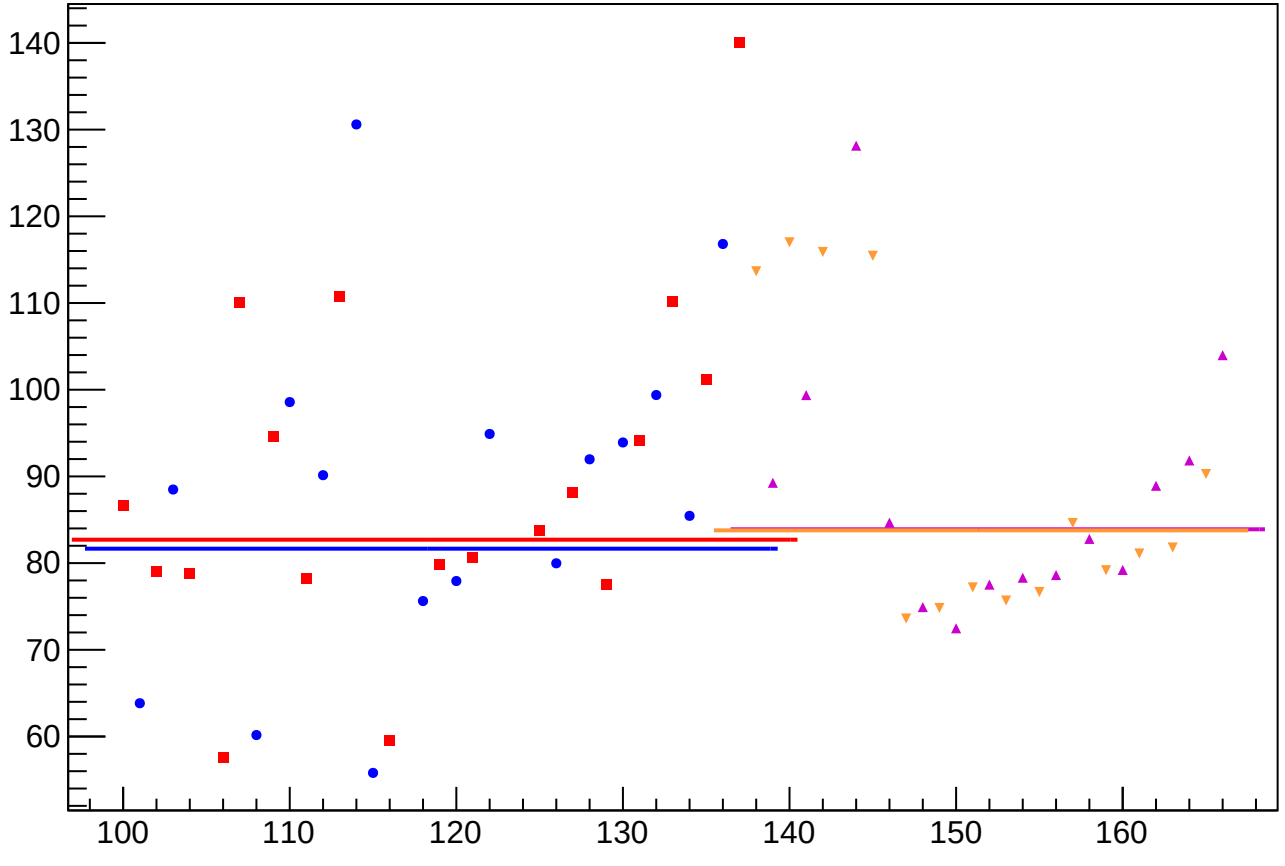
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.015+/-0.020 χ^2/NDF:43.6/29

Out: -0.013+/-0.020 χ^2/NDF:35.4/31

All: 0.001+/-0.014 χ^2/NDF: 80.0/61

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

Left Out: 83.777+/-0.018 χ^2/NDF:528819.4/13

Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.899+/-0.018 χ^2/NDF:414106.4/13

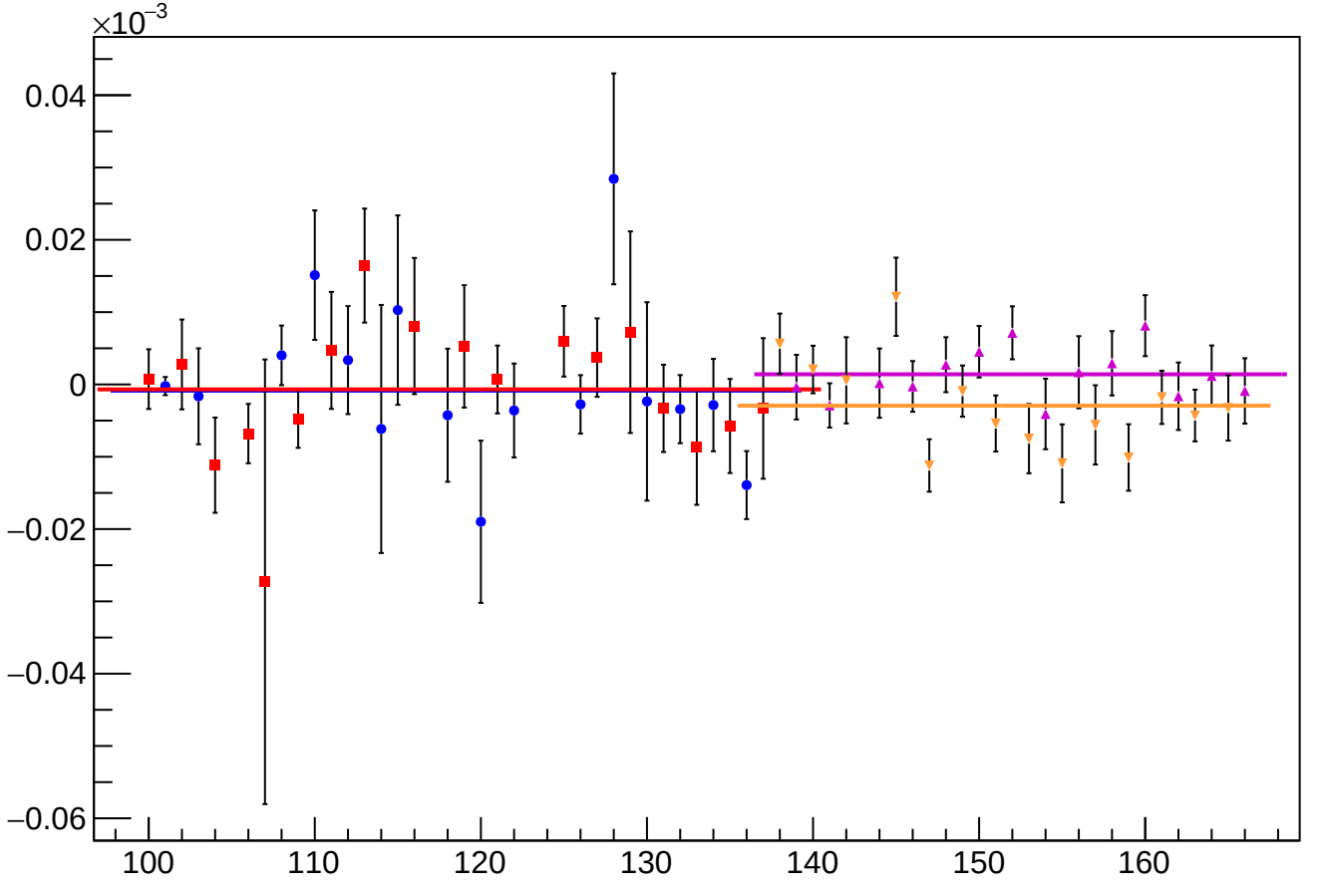
Left: 83.840+/-0.013 χ^2/NDF: 942948.9/27

Right: 82.180+/-0.016 χ^2/NDF: 1035987.5/33

In: 83.028+/-0.014 χ^2/NDF:982063.0/29

Out: 83.346+/-0.014 χ^2/NDF:1003261.1/31

All: 83.184+/-0.010 χ^2/NDF: 1985578.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/13

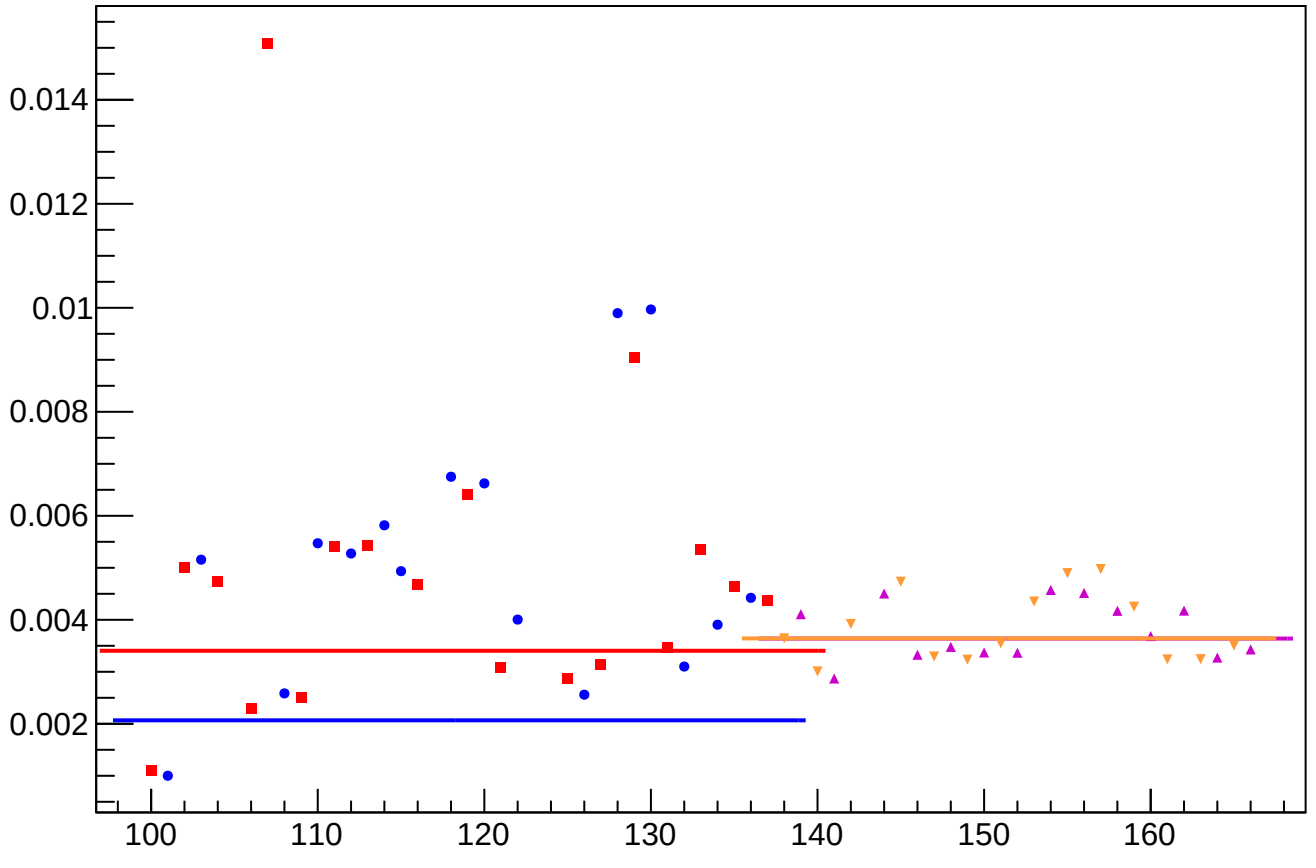
Left: -0.000+/-0.000 χ^2/NDF: 44.7/27

Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: 0.000+/-0.000 χ^2/NDF:34.0/29

Out: -0.000+/-0.000 χ^2/NDF:46.5/31

All: -0.000+/-0.000 χ^2/NDF: 84.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:562543.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:465422.1/13

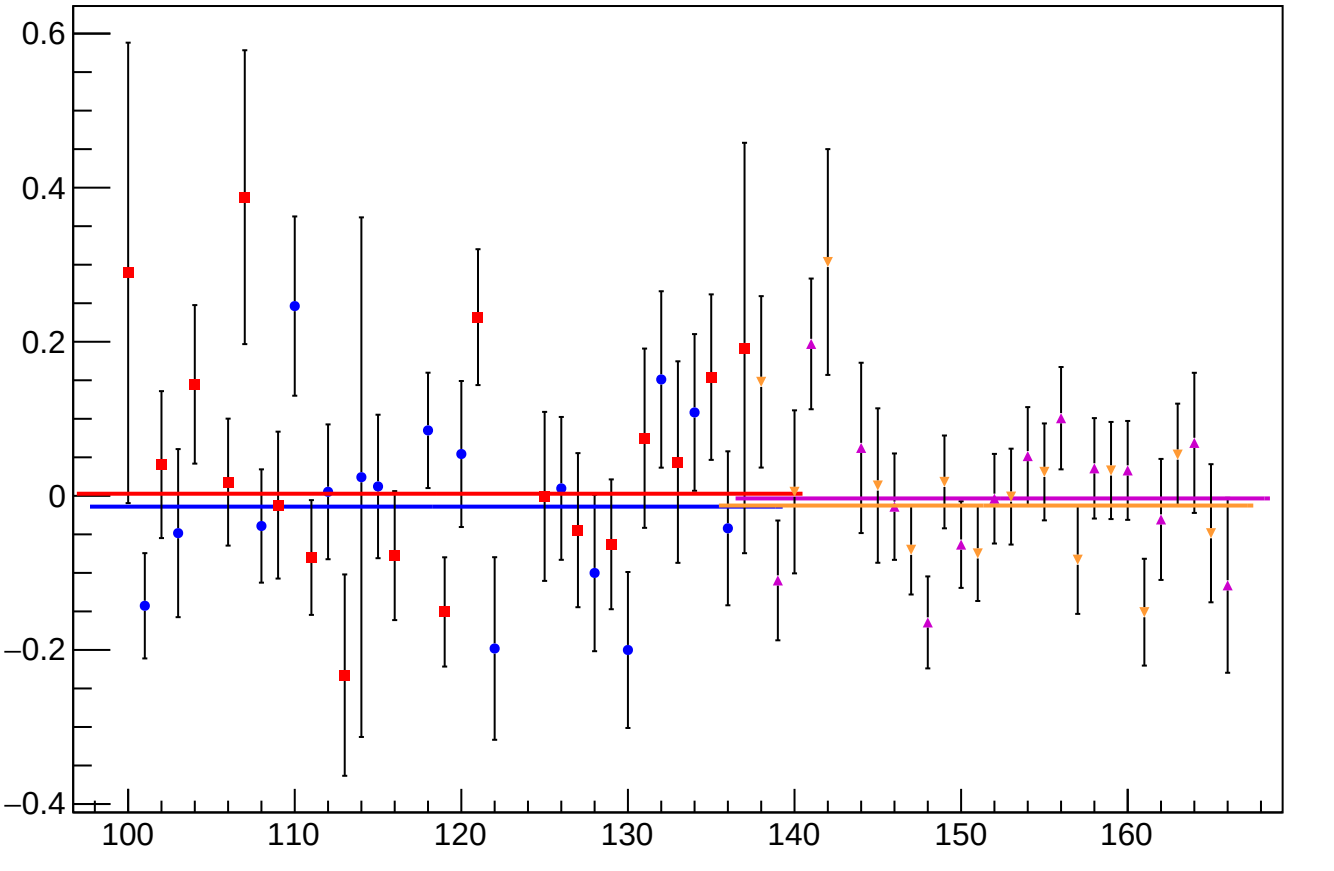
Left: 0.004+/-0.000 χ^2/NDF: 1027975.2/27

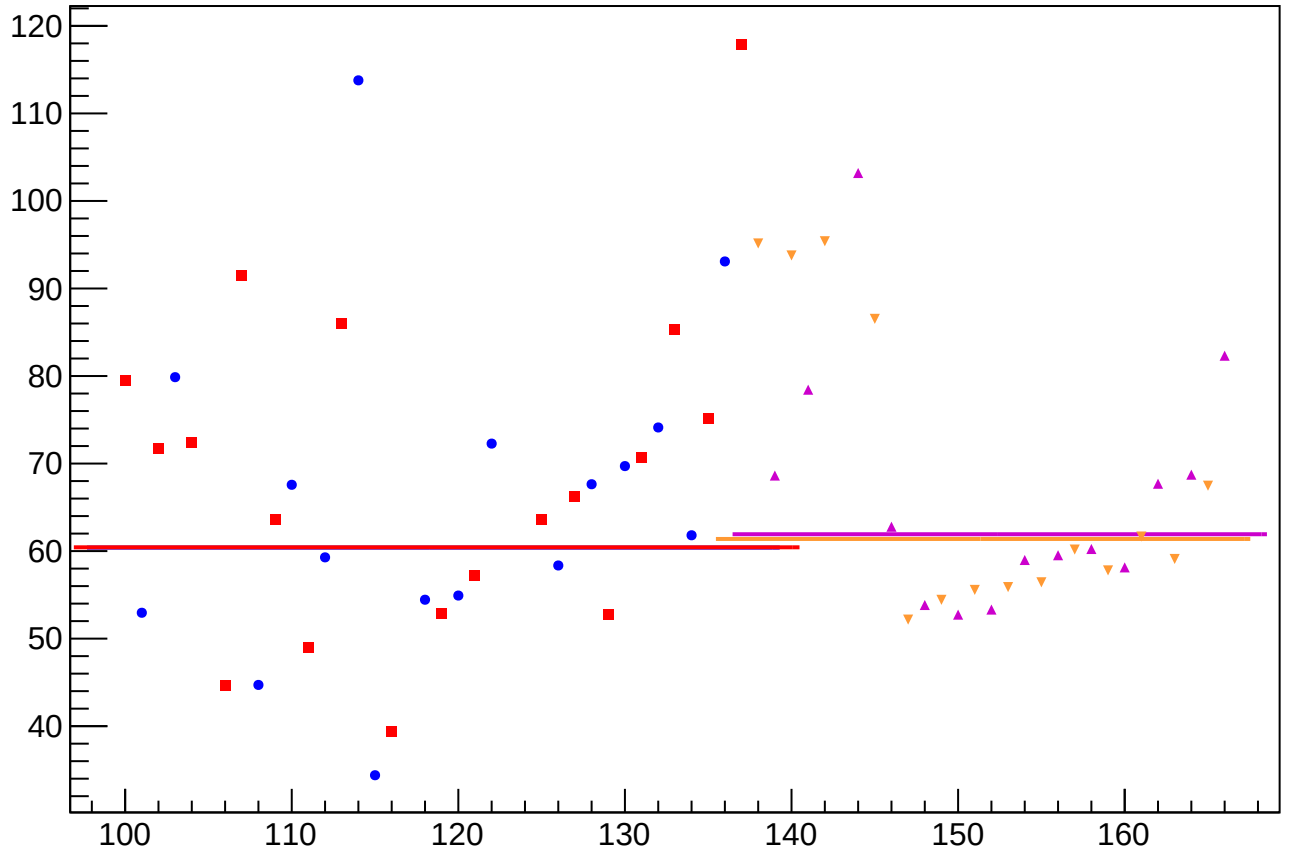
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8524132.6/29

Out: 0.004+/-0.000 χ^2/NDF:3088281.4/31

All: 0.003+/-0.000 χ^2/NDF: 12480747.2/61


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.013+/-0.019 χ²/NDF:16.3/13
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.003+/-0.019 χ²/NDF:21.9/13
Left: -0.008+/-0.014 χ²/NDF: 38.2/27
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.007+/-0.015 χ²/NDF:43.3/29
Out: -0.006+/-0.015 χ²/NDF:44.3/31
All: -0.007+/-0.011 χ²/NDF: 87.6/61



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605395.2/13

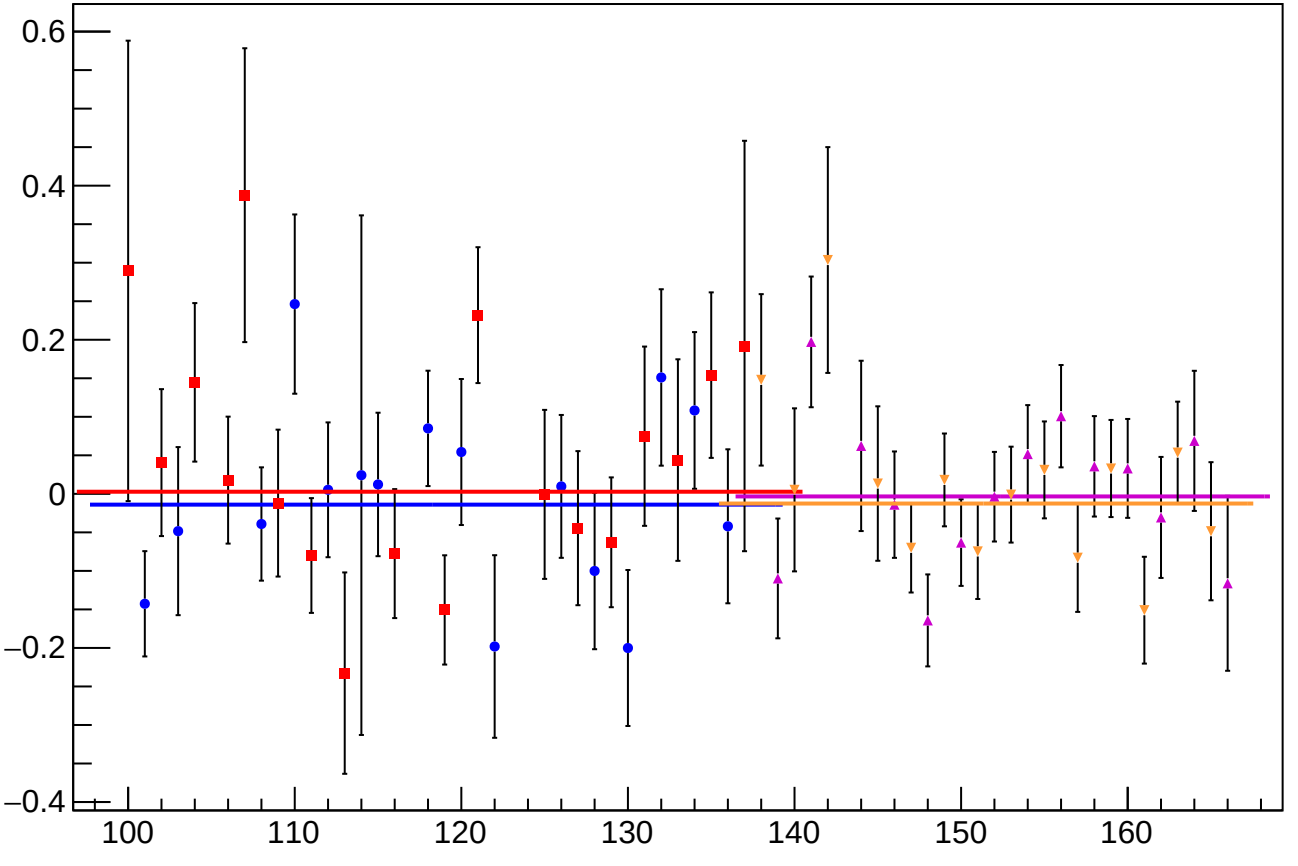
Left: 61.662+/-0.010 χ^2/NDF: 1352902.4/27

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.337+/-0.010 χ^2/NDF:1313605.1/29

Out: 61.007+/-0.011 χ^2/NDF:1459762.9/31

All: 61.174+/-0.007 χ^2/NDF: 2773859.6/61



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.003+/-0.019 χ^2/NDF:21.9/13

Left: -0.008+/-0.014 χ^2/NDF: 38.2/27

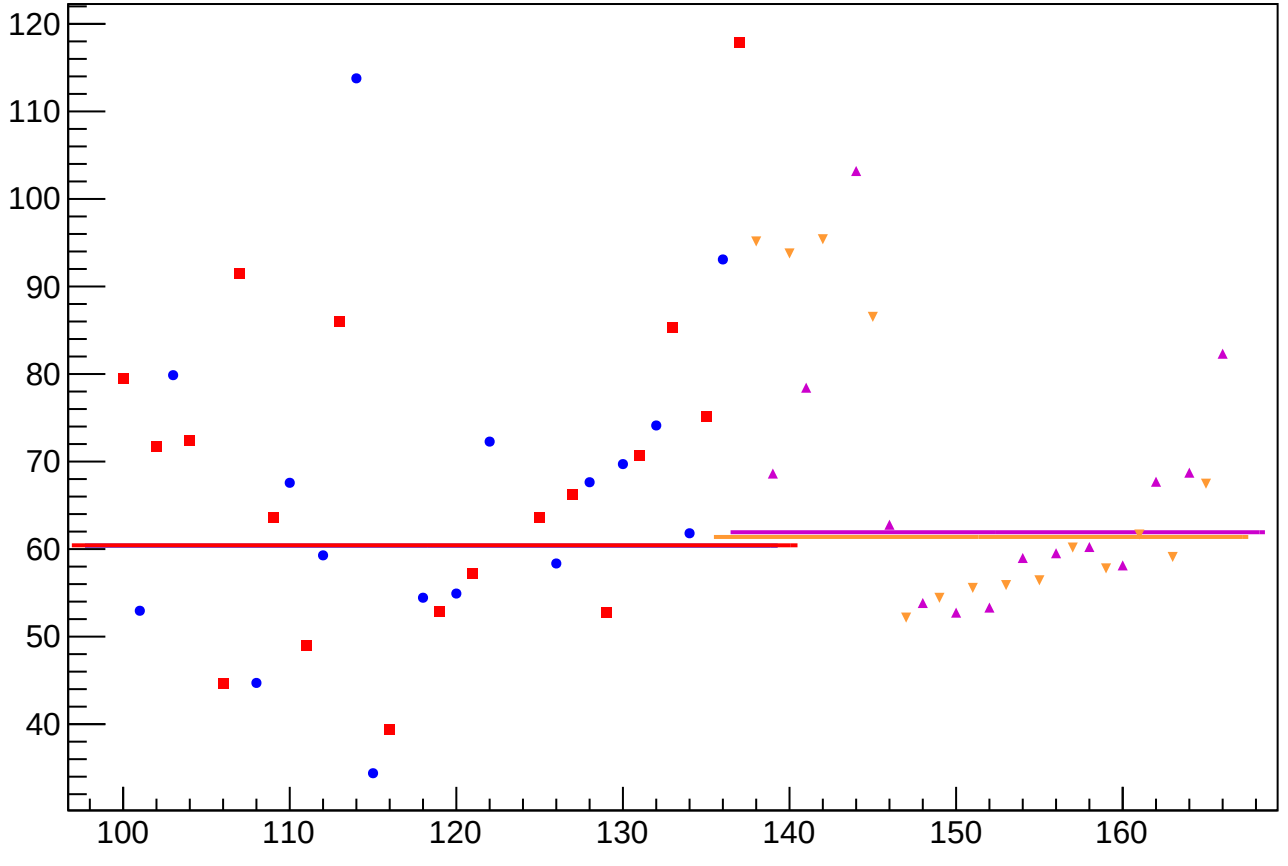
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:43.3/29

Out: -0.006+/-0.015 χ^2/NDF:44.3/31

All: -0.007+/-0.011 χ^2/NDF: 87.6/61

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.926+/-0.013 χ^2/NDF:605395.2/13

Left: 61.662+/-0.010 χ^2/NDF: 1352902.4/27

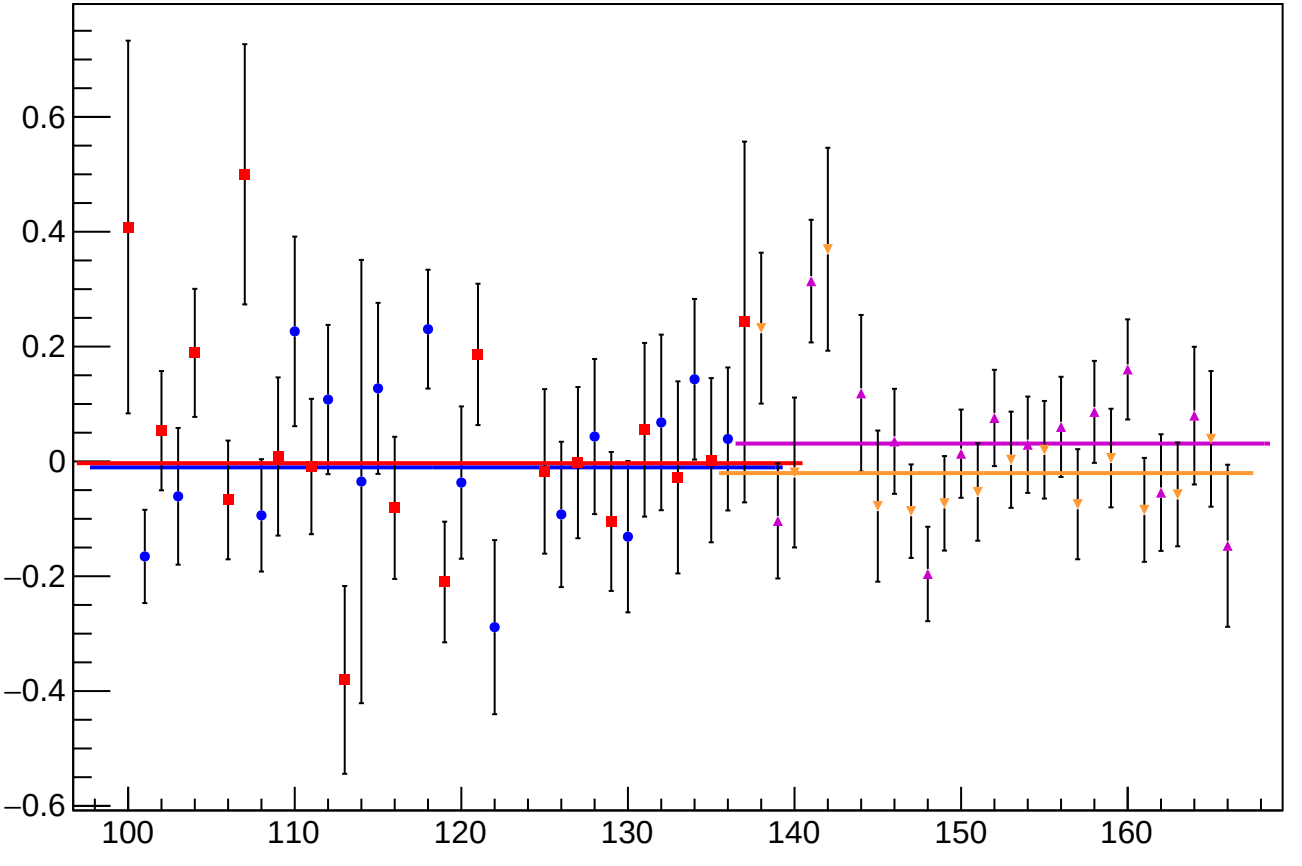
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.337+/-0.010 χ^2/NDF:1313605.1/29

Out: 61.007+/-0.011 χ^2/NDF:1459762.9/31

All: 61.174+/-0.007 χ^2/NDF: 2773859.6/61

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

Right Out: -0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.031+/-0.025 χ^2/NDF:22.4/13

Left: 0.006+/-0.018 χ^2/NDF: 36.0/27

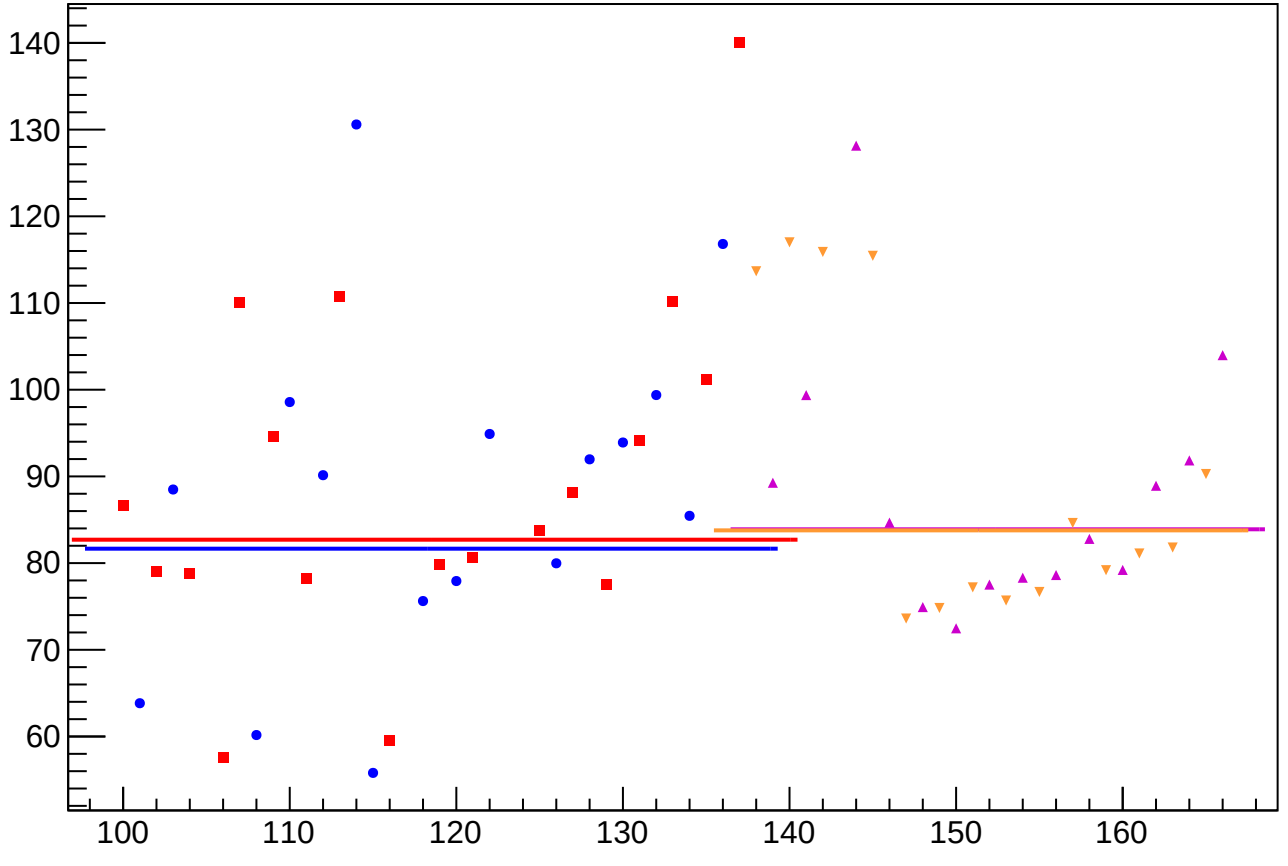
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.015+/-0.020 χ^2/NDF:43.6/29

Out: -0.013+/-0.020 χ^2/NDF:35.4/31

All: 0.001+/-0.014 χ^2/NDF: 80.0/61

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

Left Out: 83.777+/-0.018 χ^2/NDF:528815.0/13

Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.900+/-0.018 χ^2/NDF:414106.1/13

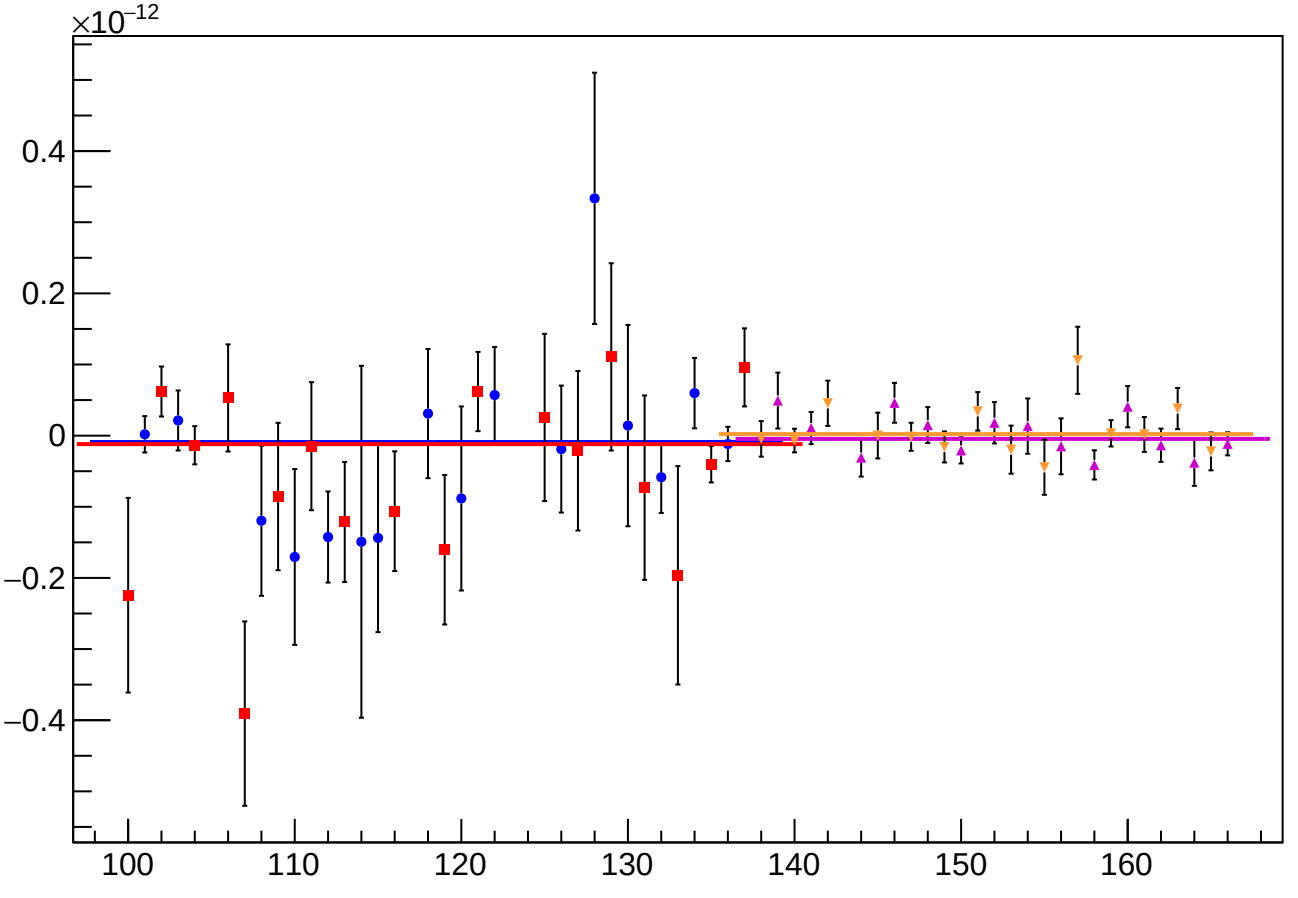
Left: 83.840+/-0.013 χ^2/NDF: 942944.0/27

Right: 82.179+/-0.016 χ^2/NDF: 1035971.3/33

In: 83.028+/-0.014 χ^2/NDF:982055.9/29

Out: 83.345+/-0.014 χ^2/NDF:1003256.7/31

All: 83.184+/-0.010 χ^2/NDF: 1985566.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/13

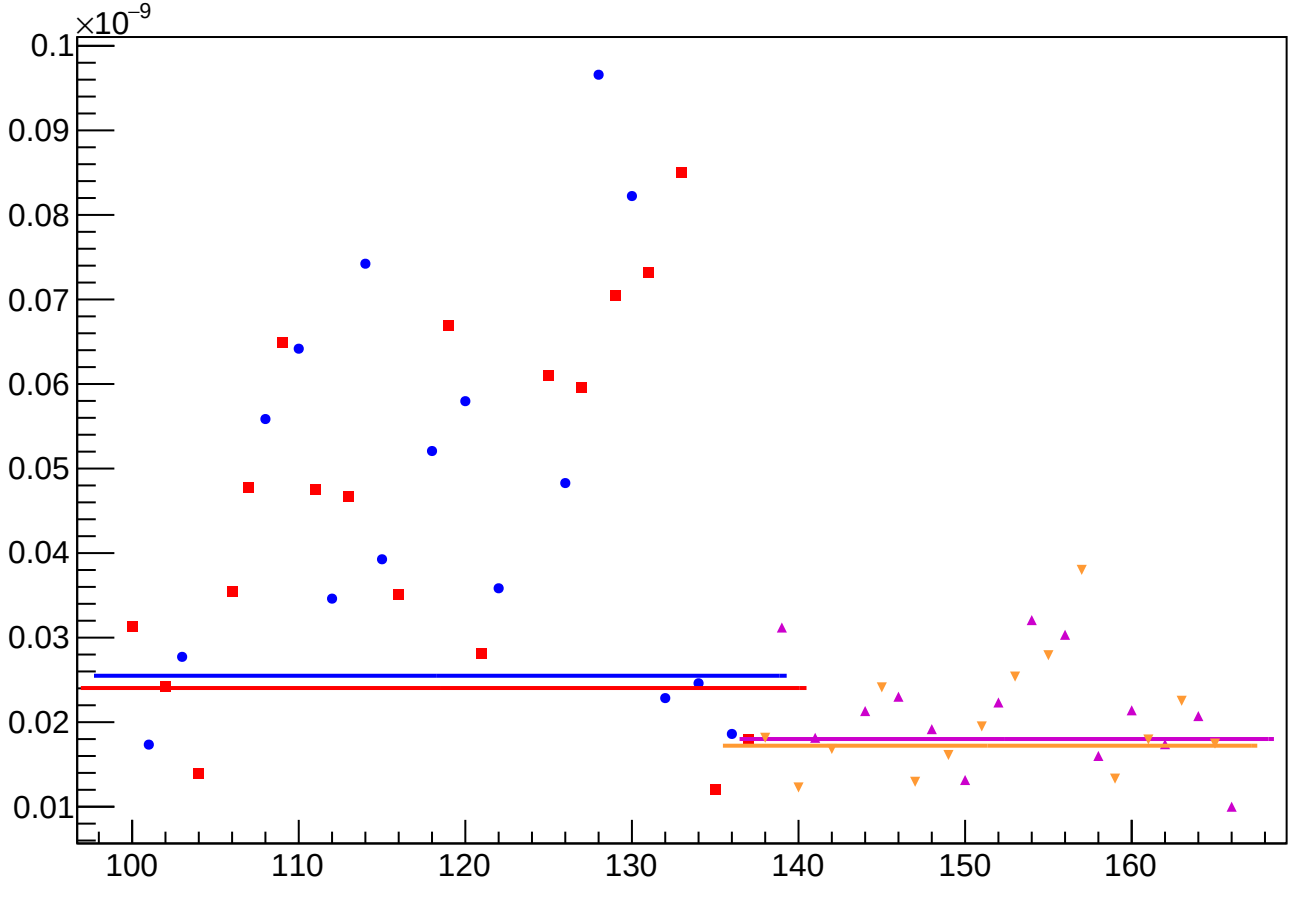
Left: -0.000+/-0.000 χ^2/NDF: 29.8/27

Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: -0.000+/-0.000 χ^2/NDF:33.4/29

Out: -0.000+/-0.000 χ^2/NDF:45.4/31

All: -0.000+/-0.000 χ^2/NDF: 79.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1200800.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1516656.5/13

Left: 0.000+/-0.000 χ^2/NDF: 2731472.2/27

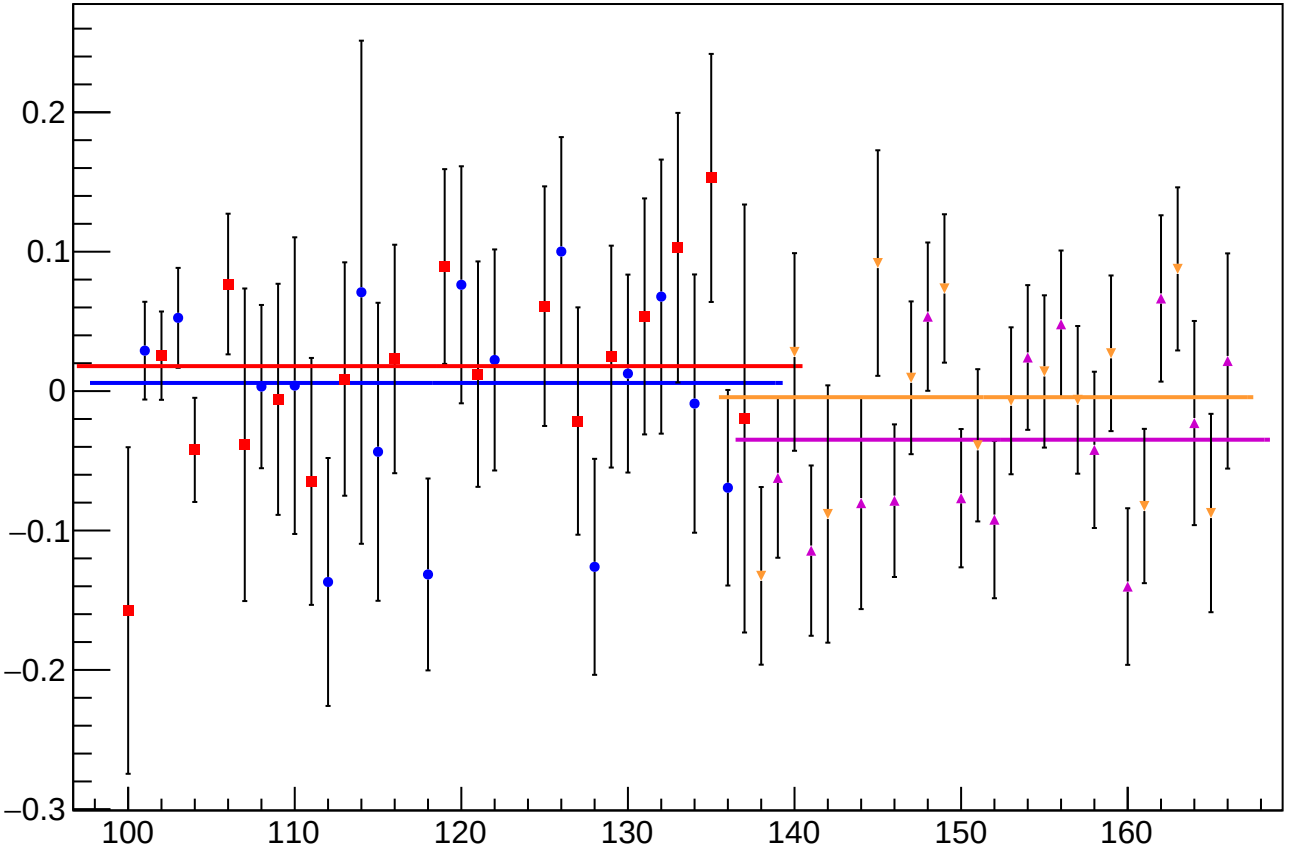
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:4025357.7/29

Out: 0.000+/-0.000 χ^2/NDF:4700657.2/31

All: 0.000+/-0.000 χ^2/NDF: 8751153.1/61

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

Right Out: 0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: -0.035+/-0.016 χ^2/NDF:18.1/13

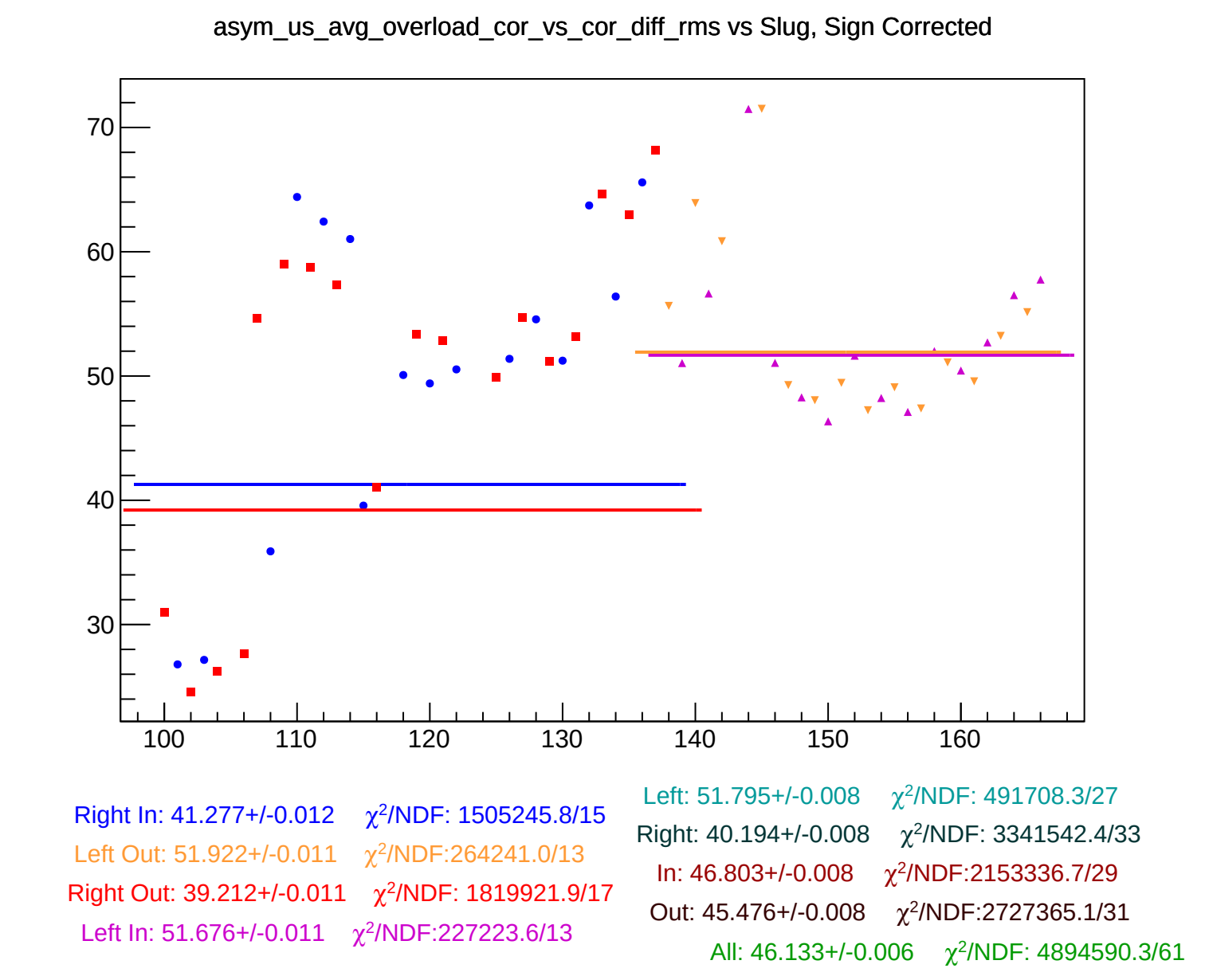
Left: -0.020+/-0.011 χ^2/NDF: 35.4/27

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

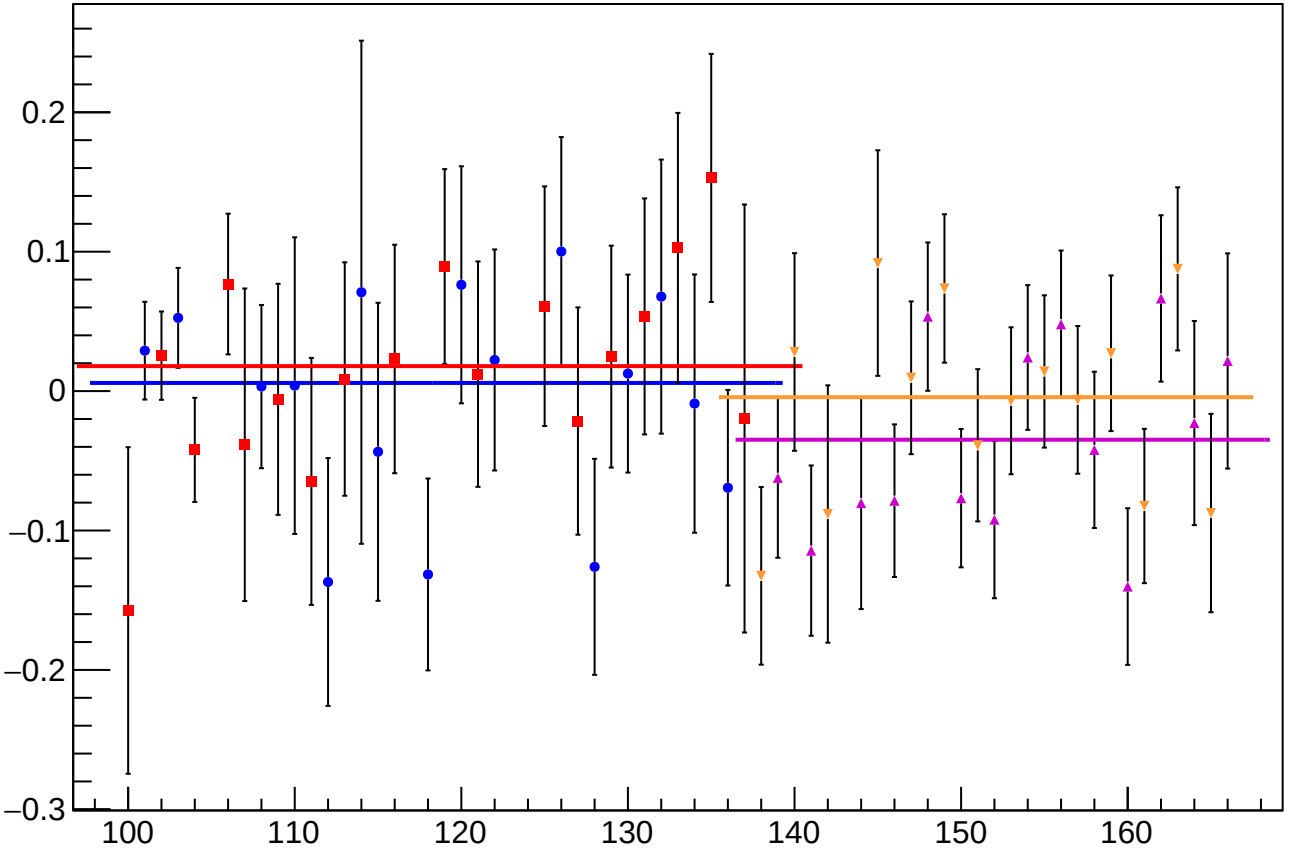
In: -0.016+/-0.011 χ^2/NDF:36.9/29

Out: 0.007+/-0.011 χ^2/NDF:28.7/31

All: -0.004+/-0.008 χ^2/NDF: 67.7/61


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.922+/-0.011 χ²/NDF:264241.0/13
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.676+/-0.011 χ²/NDF:227223.6/13
Left: 51.795+/-0.008 χ²/NDF: 491708.3/27
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 46.803+/-0.008 χ²/NDF:2153336.7/29
Out: 45.476+/-0.008 χ²/NDF:2727365.1/31
All: 46.133+/-0.006 χ²/NDF: 4894590.3/61

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

Right Out: 0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: -0.035+/-0.016 χ^2/NDF:18.1/13

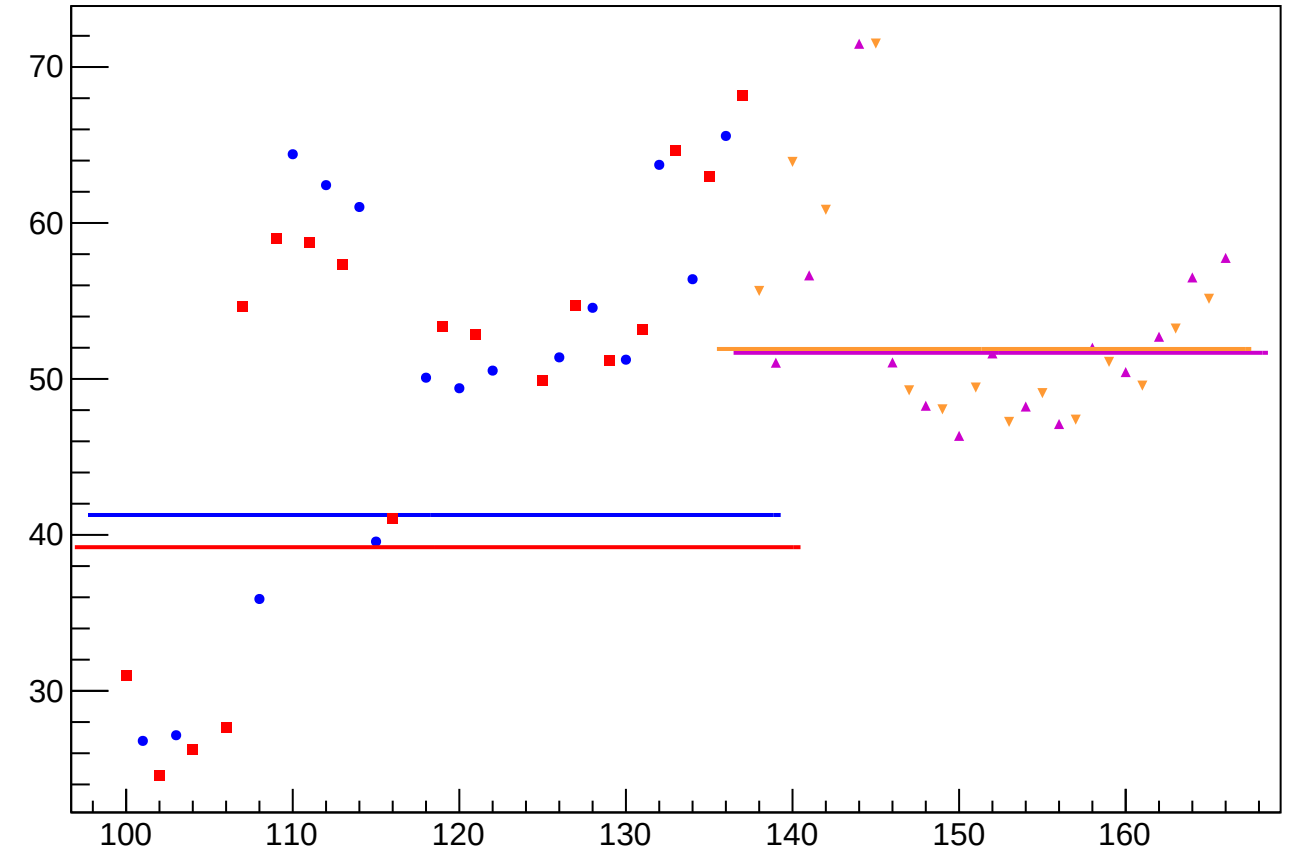
Left: -0.020+/-0.011 χ^2/NDF: 35.4/27

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:36.9/29

Out: 0.007+/-0.011 χ^2/NDF:28.7/31

All: -0.004+/-0.008 χ^2/NDF: 67.7/61



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.922+/-0.011 χ^2/NDF:264241.0/13

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.676+/-0.011 χ^2/NDF:227223.6/13

Left: 51.795+/-0.008 χ^2/NDF: 491708.3/27

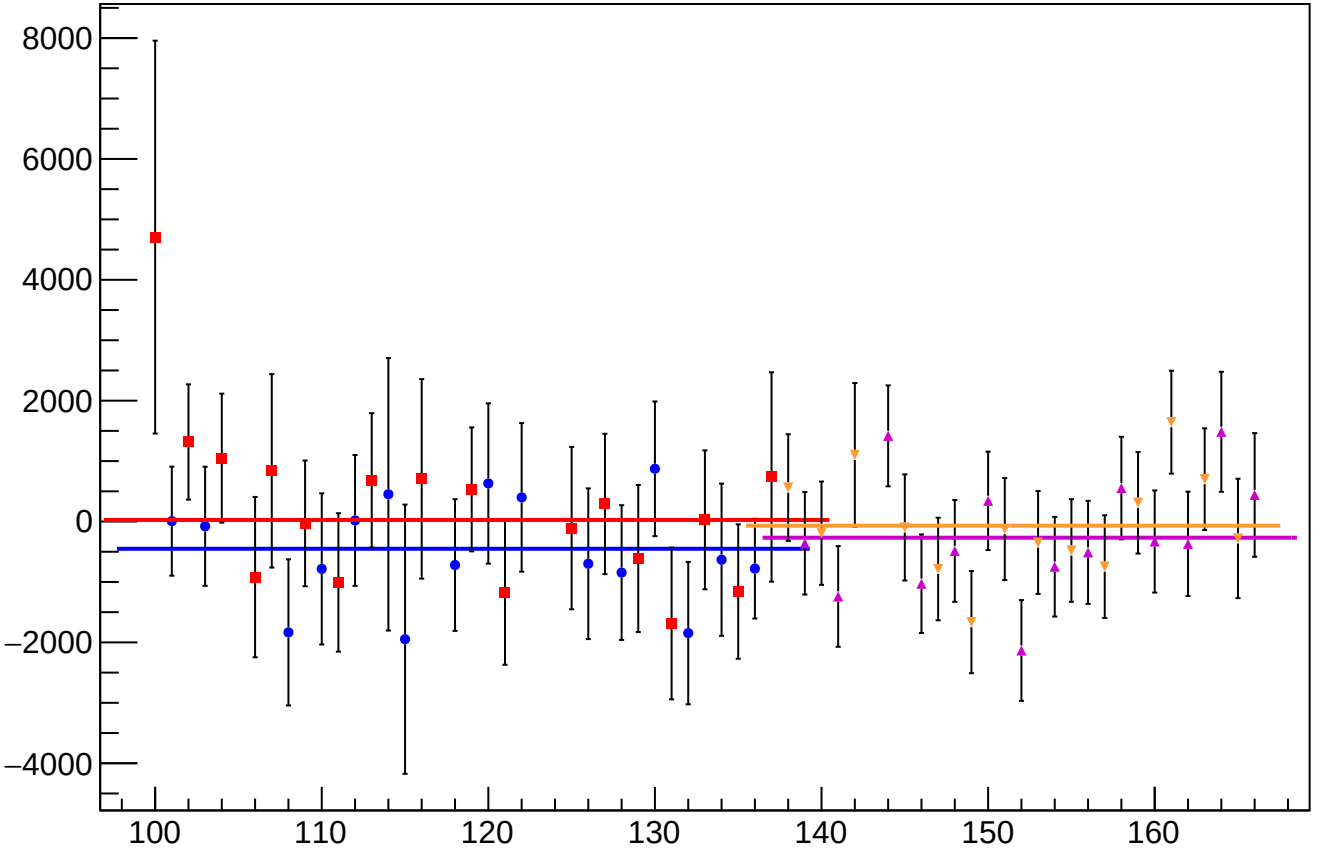
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.803+/-0.008 χ^2/NDF:2153336.7/29

Out: 45.476+/-0.008 χ^2/NDF:2727365.1/31

All: 46.133+/-0.006 χ^2/NDF: 4894590.3/61

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

Left: -170.422+/-163.719 χ^2/NDF: 29.2/27

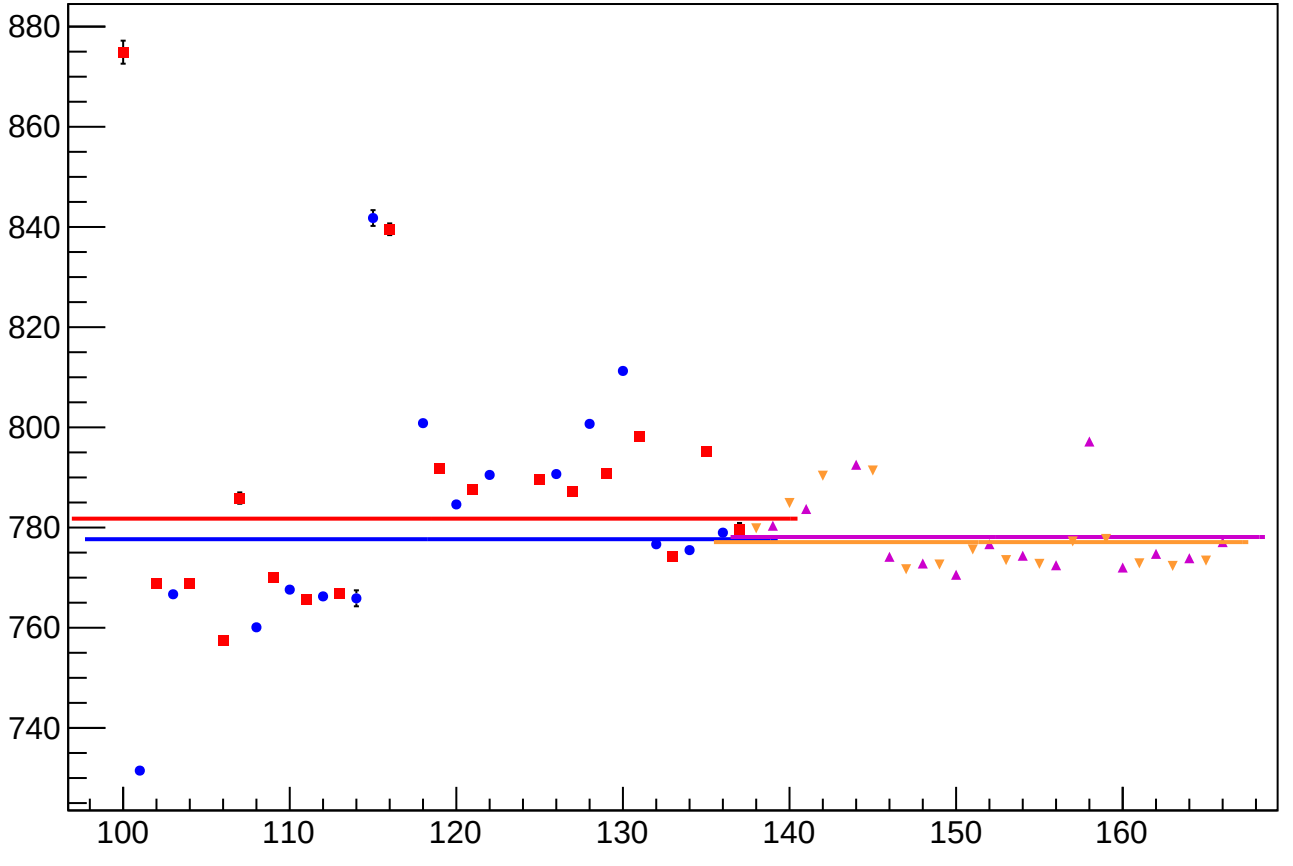
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -186.594+/-127.687 χ^2/NDF: 49.2/61

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

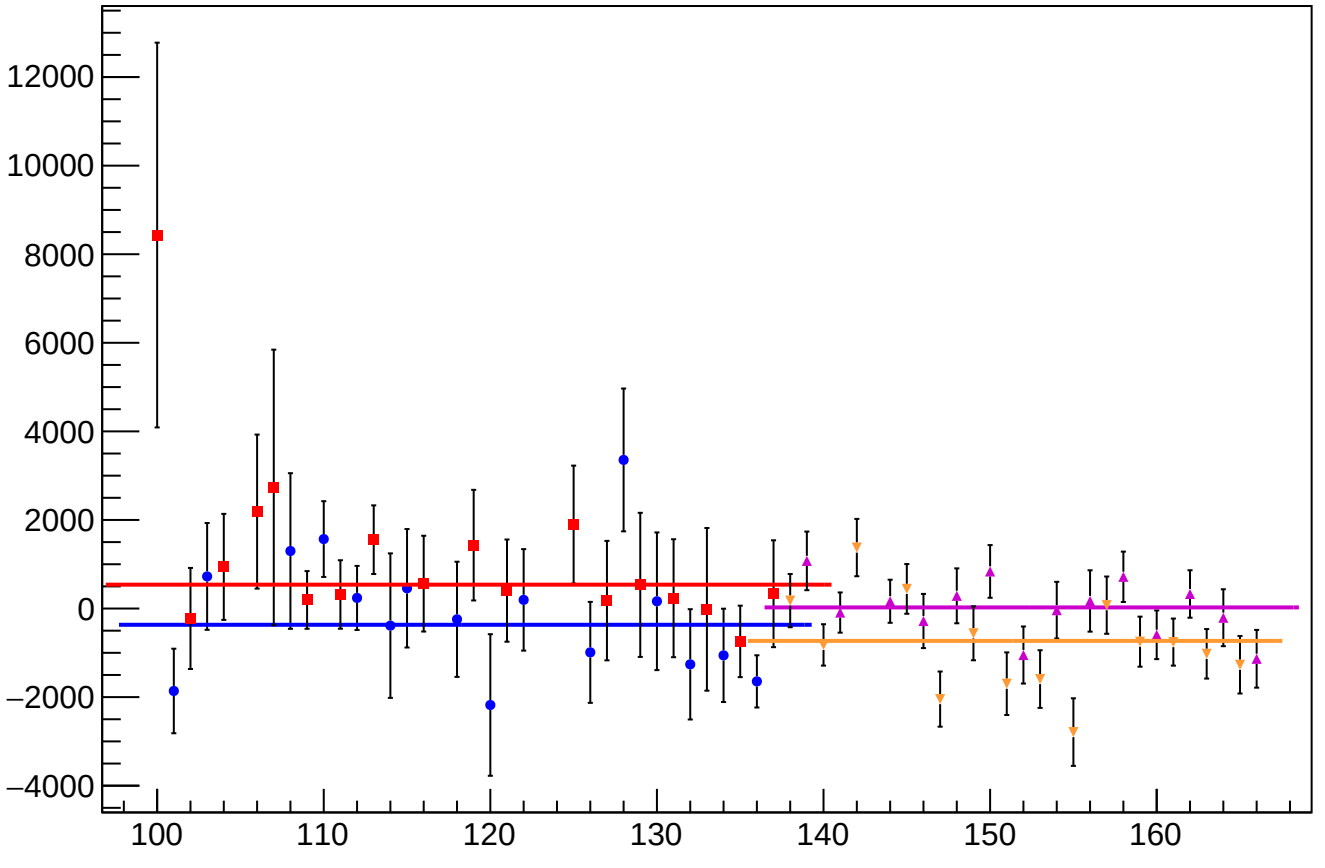
Left: 777.615+/-0.116 χ^2/NDF: 3672.3/27

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.444+/-0.090 χ^2/NDF: 23687.1/61



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

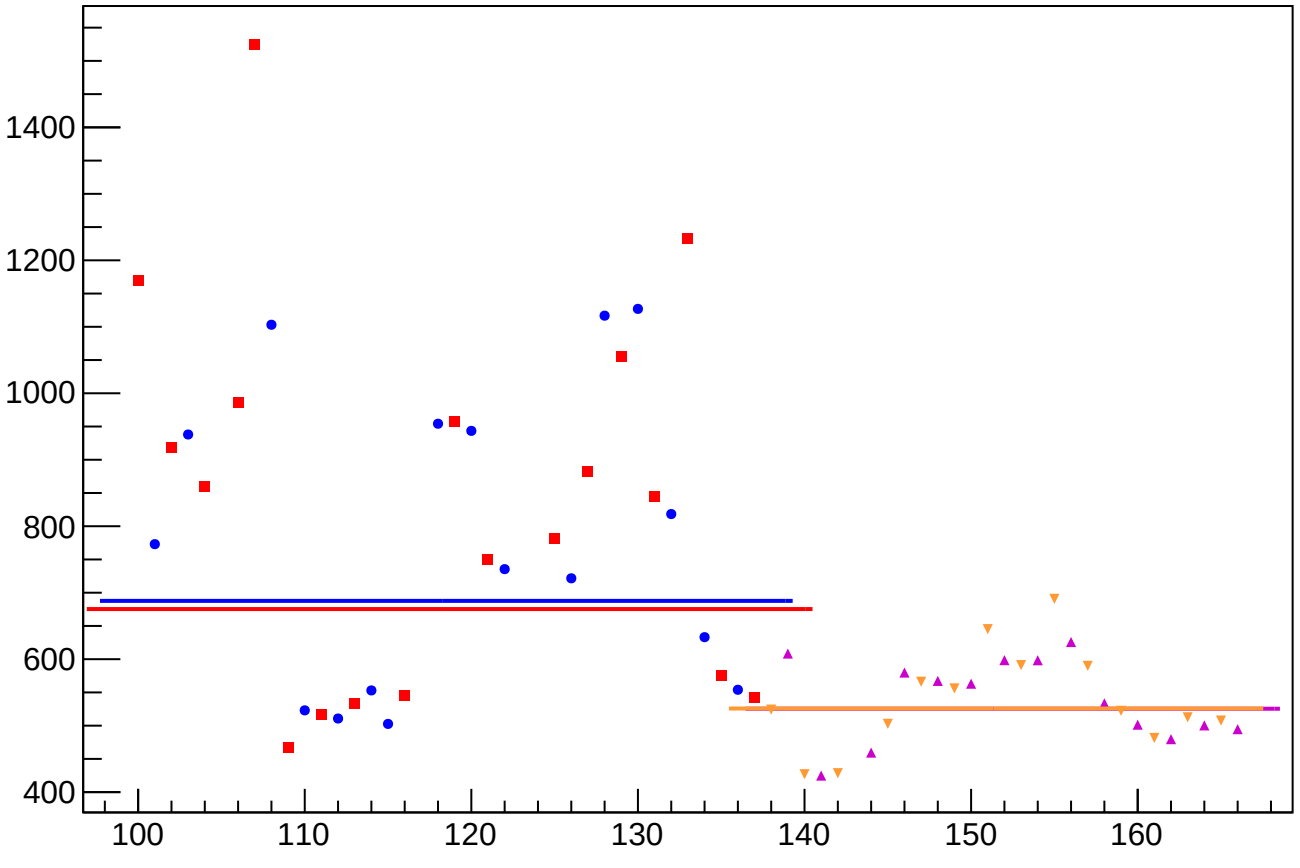
Left: -342.579+/-111.820 χ^2/NDF: 60.8/27

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -228.211+/-96.002 χ^2/NDF: 105.6/61



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

Left: 525.622+/-0.079 χ^2/NDF: 677902.0/27

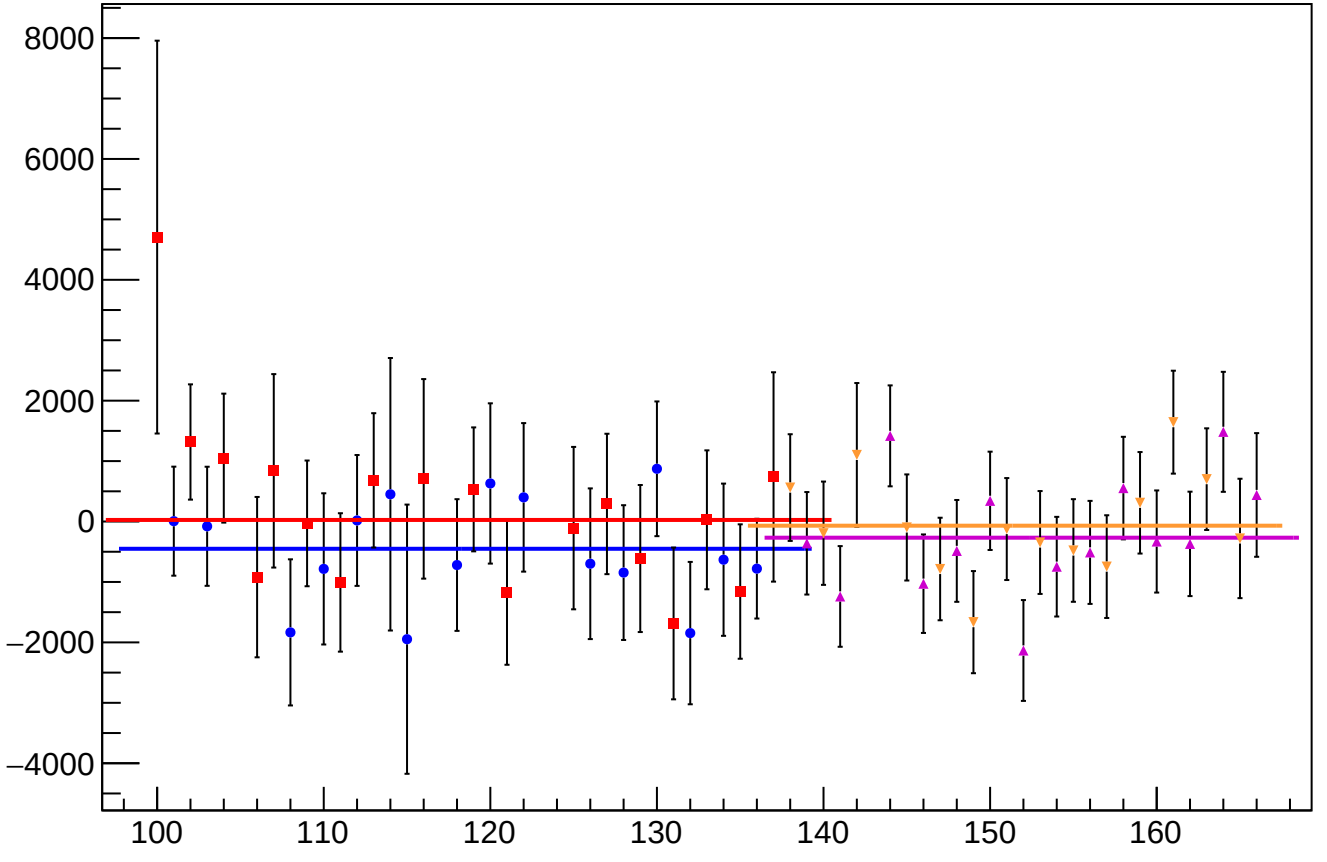
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 566.598+/-0.068 χ^2/NDF: 4046451.7/61

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

Left: -170.422+/-163.719 χ^2/NDF: 29.2/27

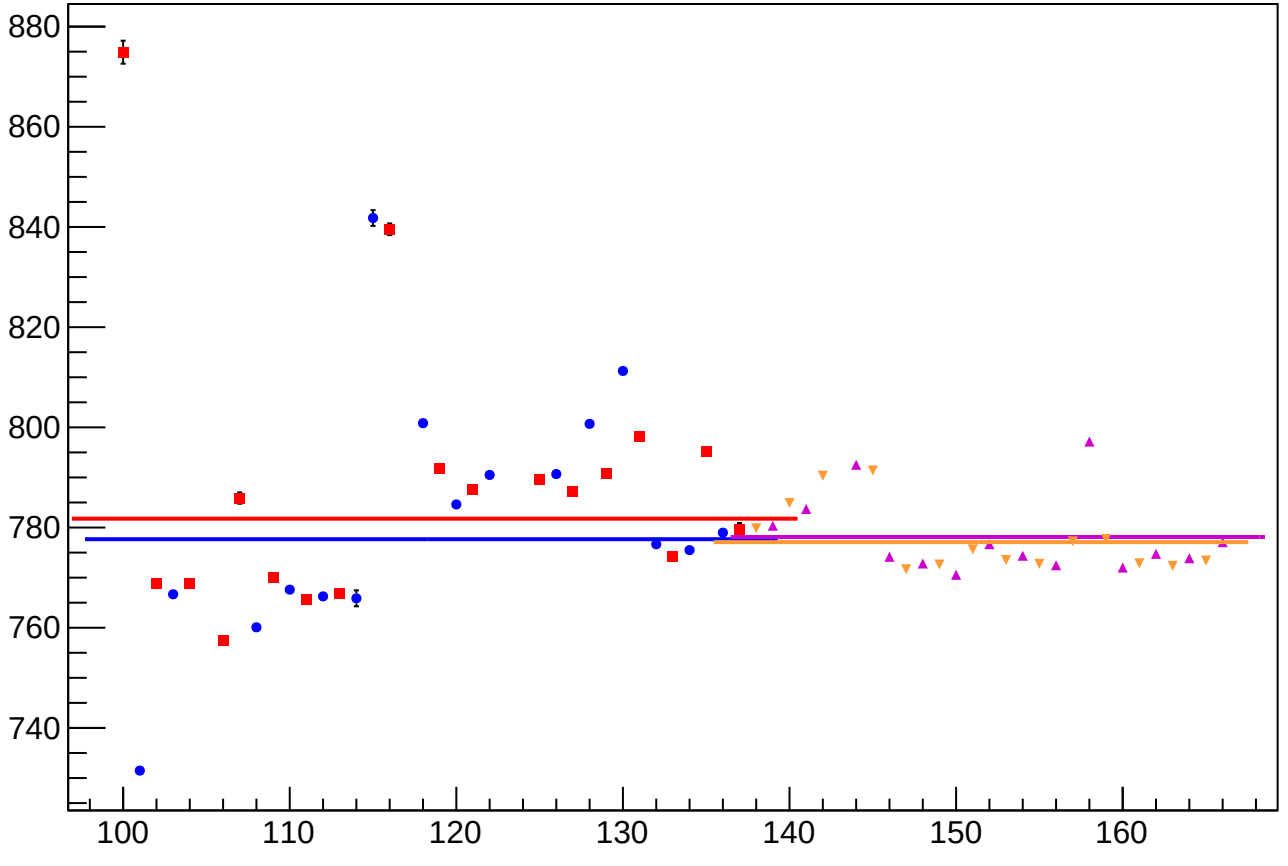
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -186.594+/-127.687 χ^2/NDF: 49.2/61

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

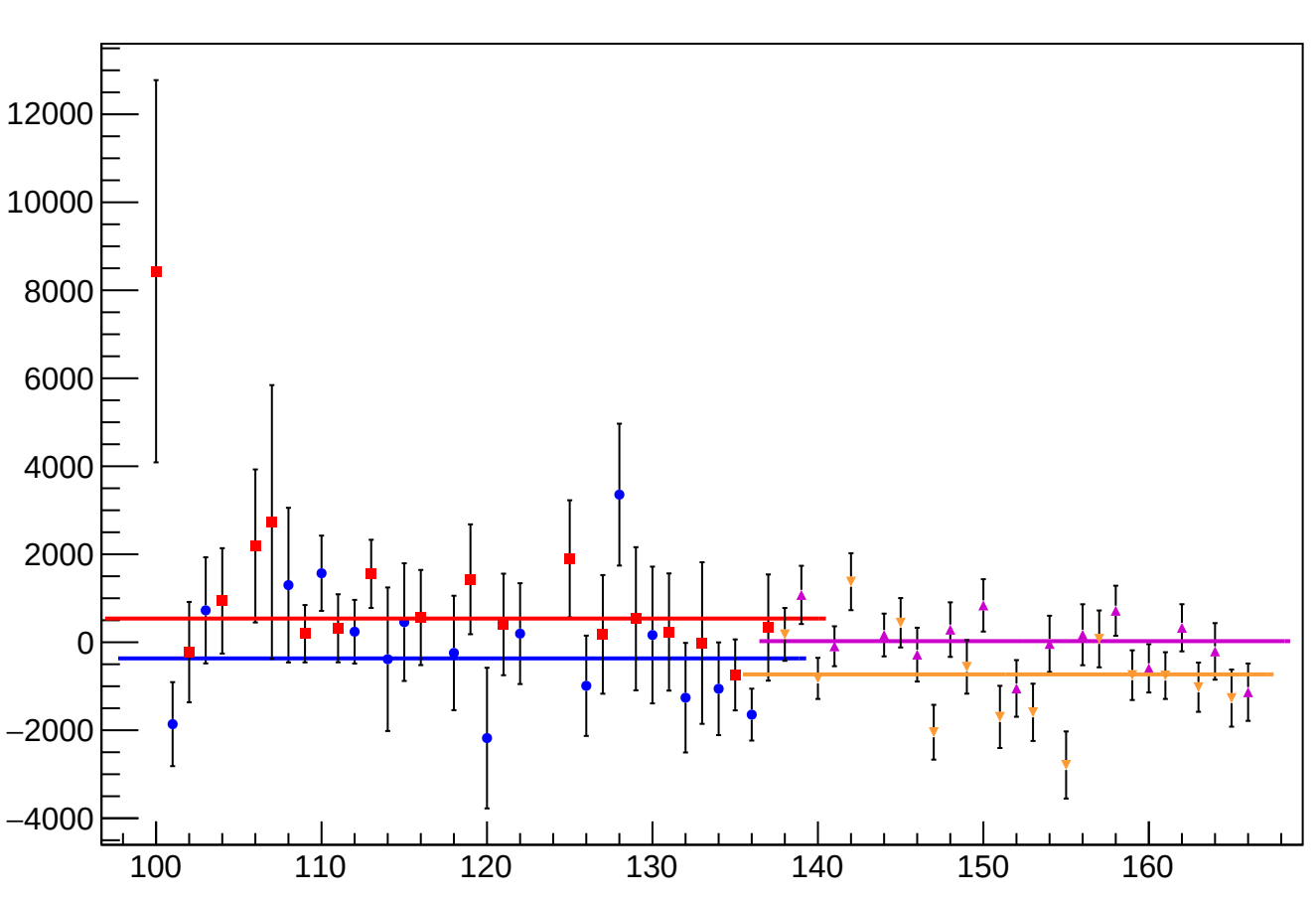
Left: 777.615+/-0.116 χ^2/NDF: 3672.3/27

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.444+/-0.090 χ^2/NDF: 23687.1/61



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

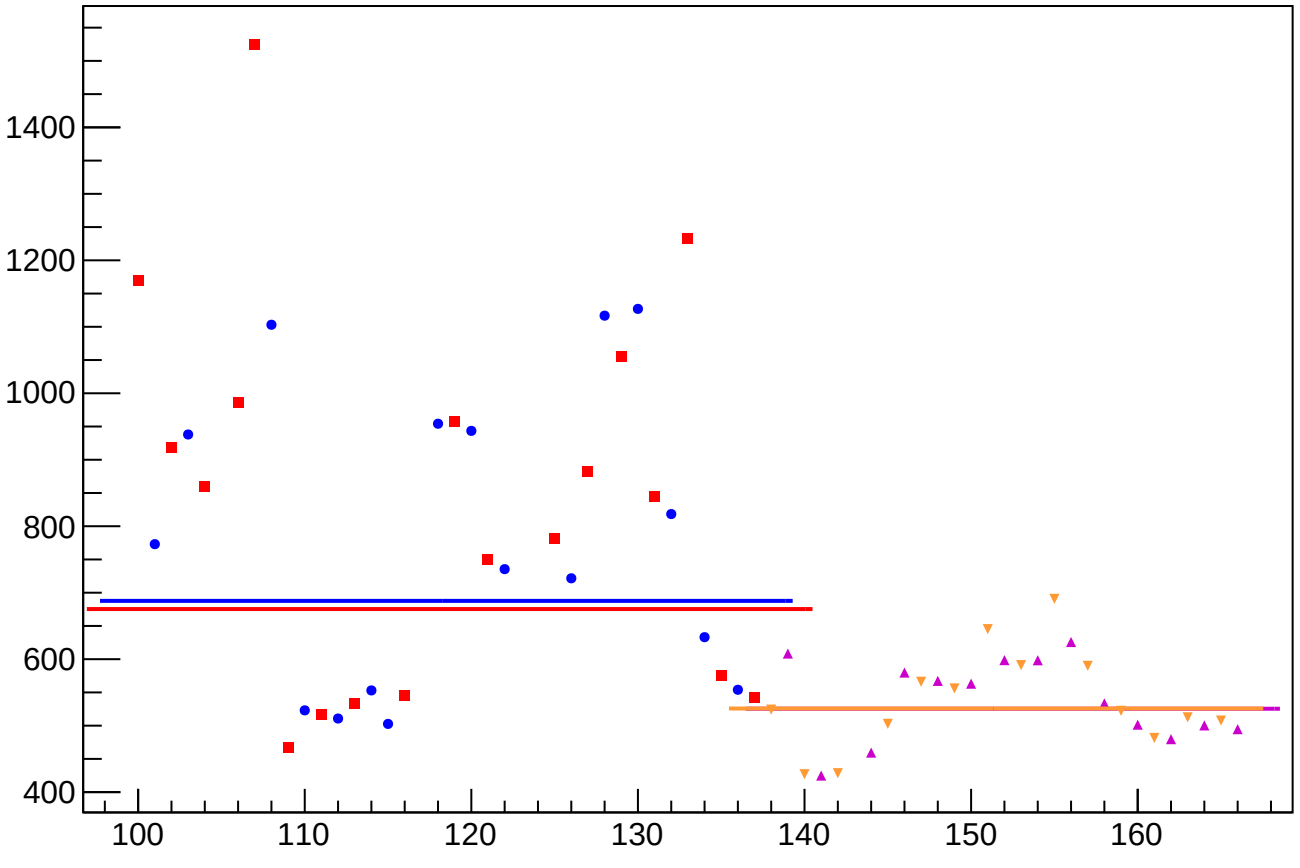
Left: -342.579+/-111.820 χ^2/NDF: 60.8/27

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -228.211+/-96.002 χ^2/NDF: 105.6/61



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

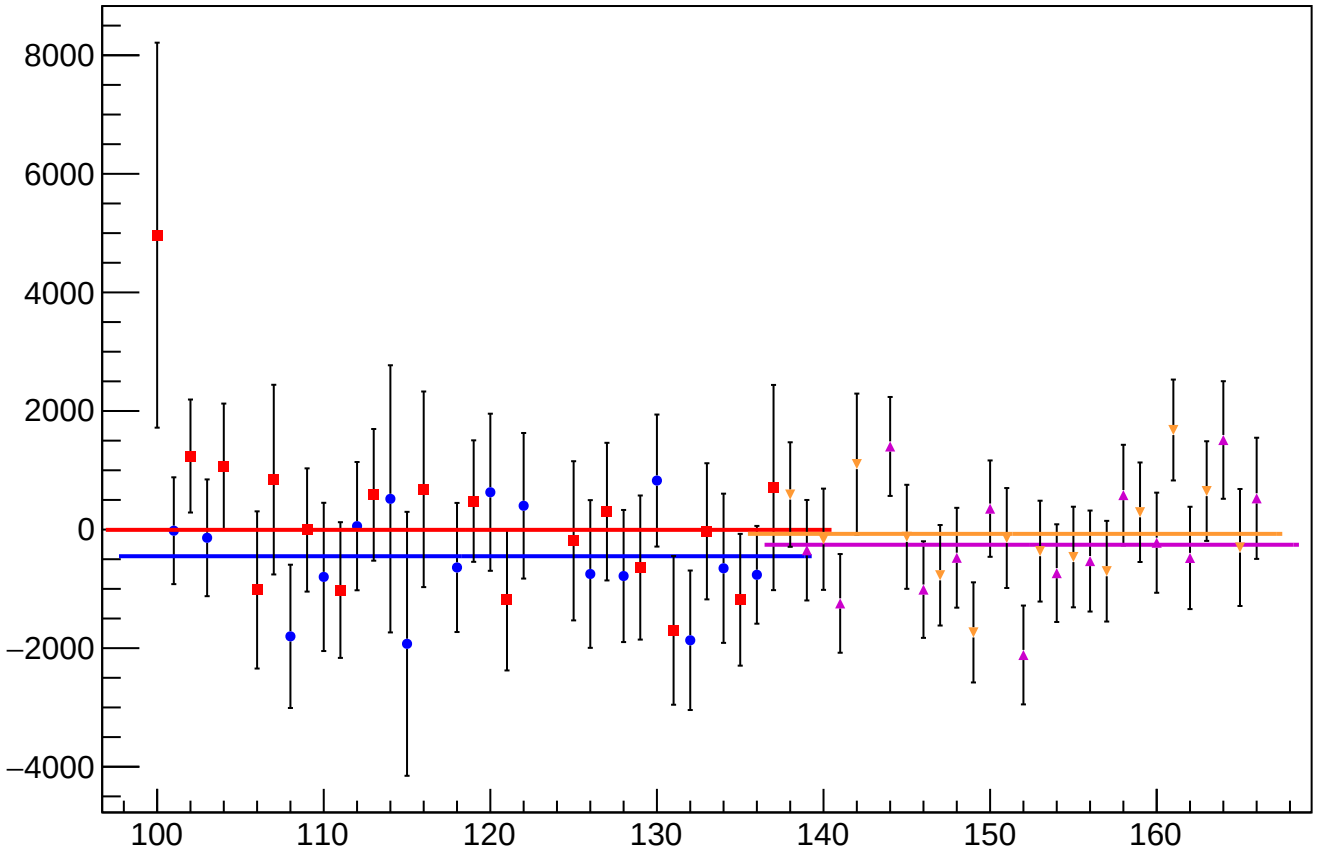
Left: 525.622+/-0.079 χ^2/NDF: 677902.0/27

Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

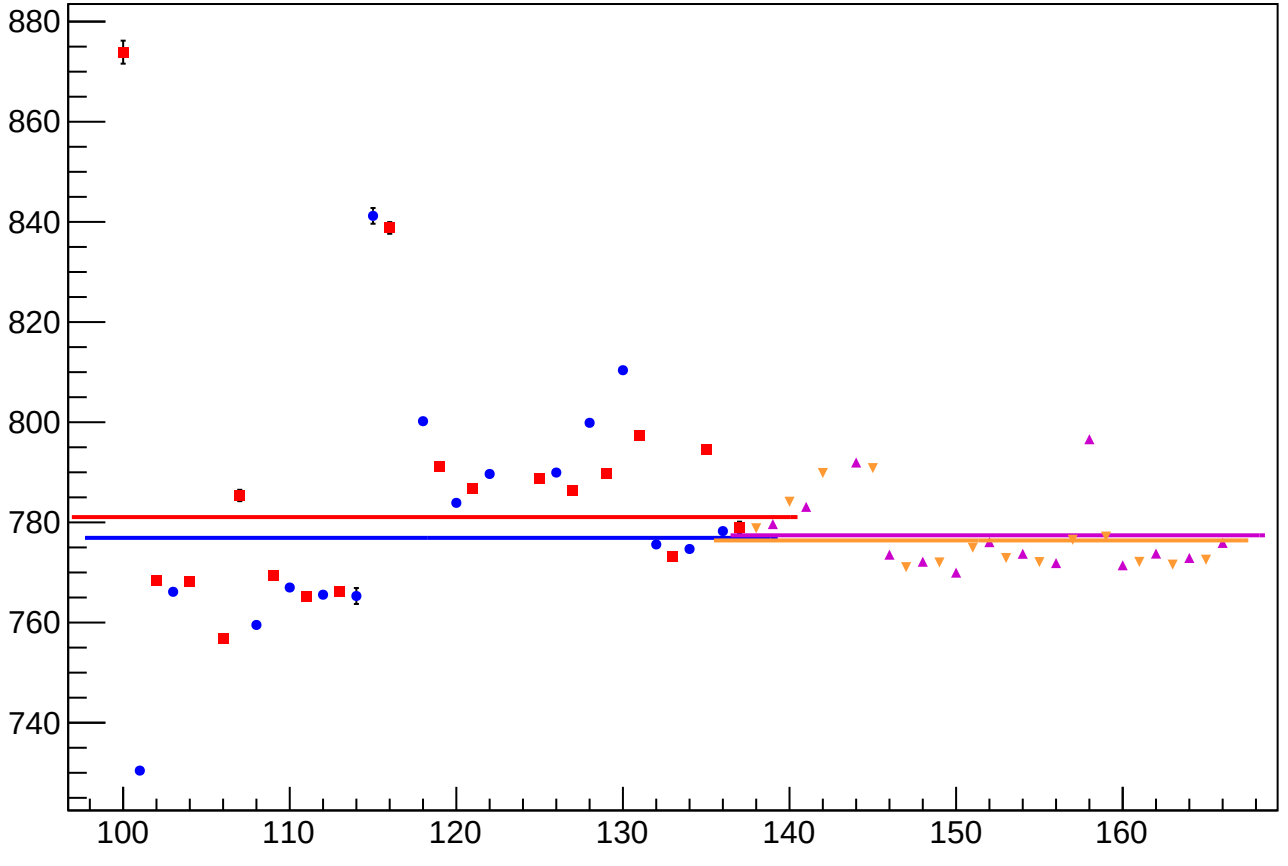
In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 566.598+/-0.068 χ^2/NDF: 4046451.7/61


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -72.347+/-233.959 χ²/NDF:12.2/13
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -255.960+/-228.783 χ²/NDF:17.1/13
Left: -166.207+/-163.573 χ²/NDF: 29.6/27
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -330.601+/-179.299 χ²/NDF:24.1/29
Out: -45.410+/-181.545 χ²/NDF:24.1/31
All: -189.780+/-127.570 χ²/NDF: 49.5/61

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 776.398+/-0.165 χ^2/NDF:1351.3/13

Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.423+/-0.162 χ^2/NDF:2341.4/13

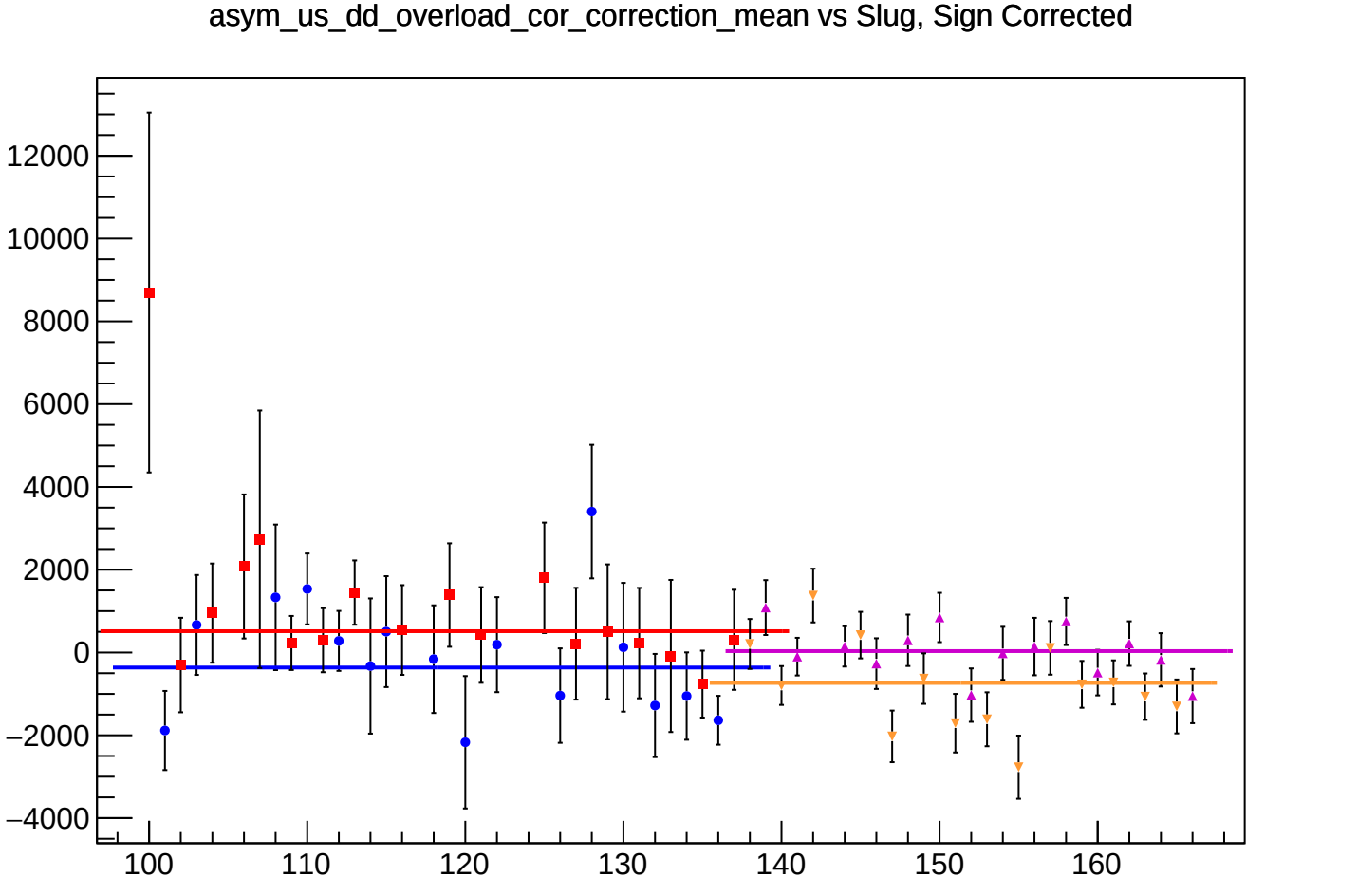
Left: 776.922+/-0.116 χ^2/NDF: 3712.3/27

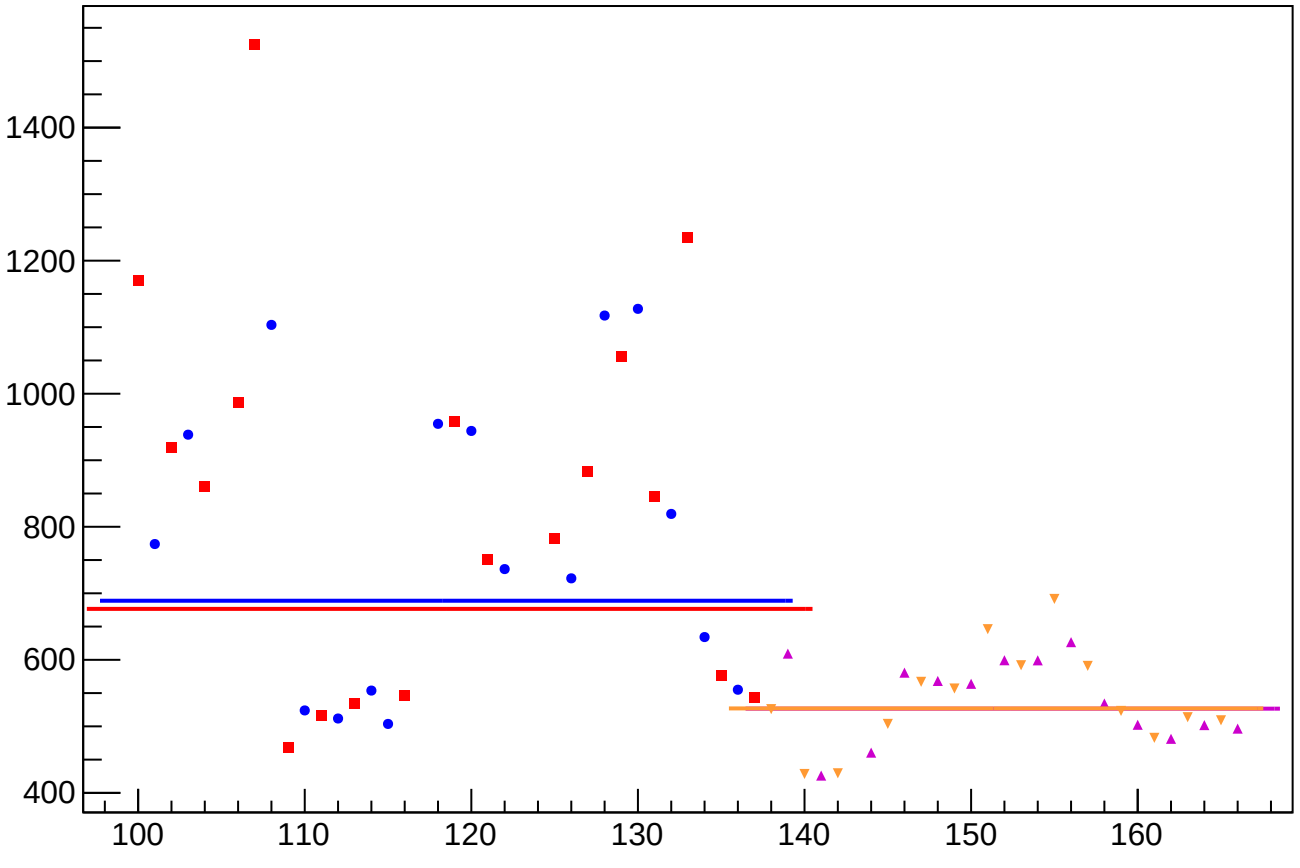
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.226+/-0.127 χ^2/NDF:14468.8/29

Out: 778.253+/-0.128 χ^2/NDF:9253.1/31

All: 777.733+/-0.090 χ^2/NDF: 23754.3/61


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -734.541+/-160.653 χ²/NDF:35.2/13
Right Out: 515.295+/-263.302 χ²/NDF: 11.4/17
Left In: 34.172+/-156.370 χ²/NDF:13.1/13
Left: -339.800+/-112.054 χ²/NDF: 60.1/27
Right: 82.506+/-187.506 χ²/NDF: 40.2/33
In: -67.167+/-134.944 χ²/NDF:38.2/29
Out: -395.478+/-137.141 χ²/NDF:63.0/31
All: -228.671+/-96.187 χ²/NDF: 104.1/61



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 526.952+/-0.114 χ^2/NDF:355371.9/13

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 526.593+/-0.111 χ^2/NDF:316557.3/13

Left: 526.768+/-0.079 χ^2/NDF: 671934.4/27

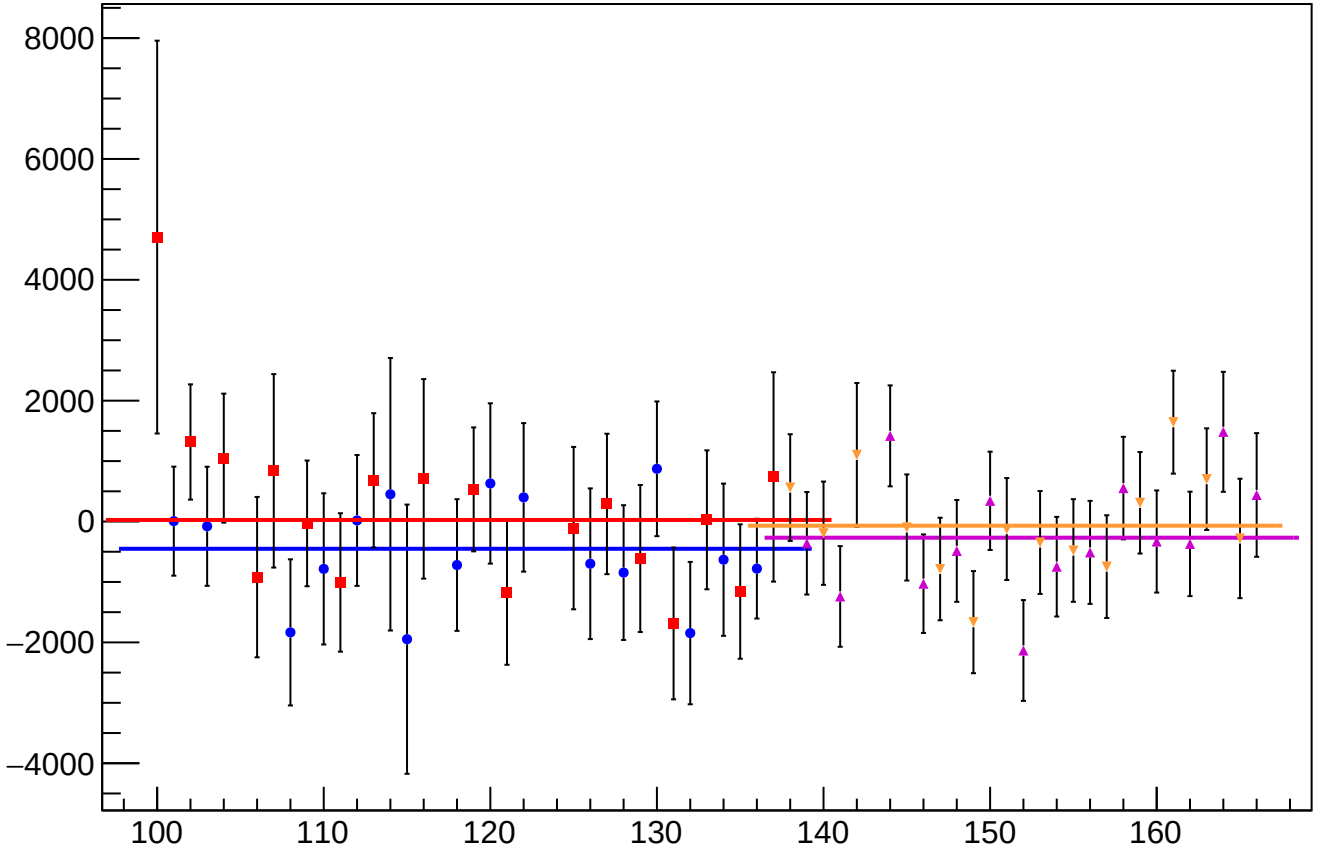
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 568.007+/-0.095 χ^2/NDF:1894239.9/29

Out: 567.542+/-0.097 χ^2/NDF:2134014.3/31

All: 567.778+/-0.068 χ^2/NDF: 4028265.9/61

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -267.530+/-228.986 χ^2/NDF:16.9/13

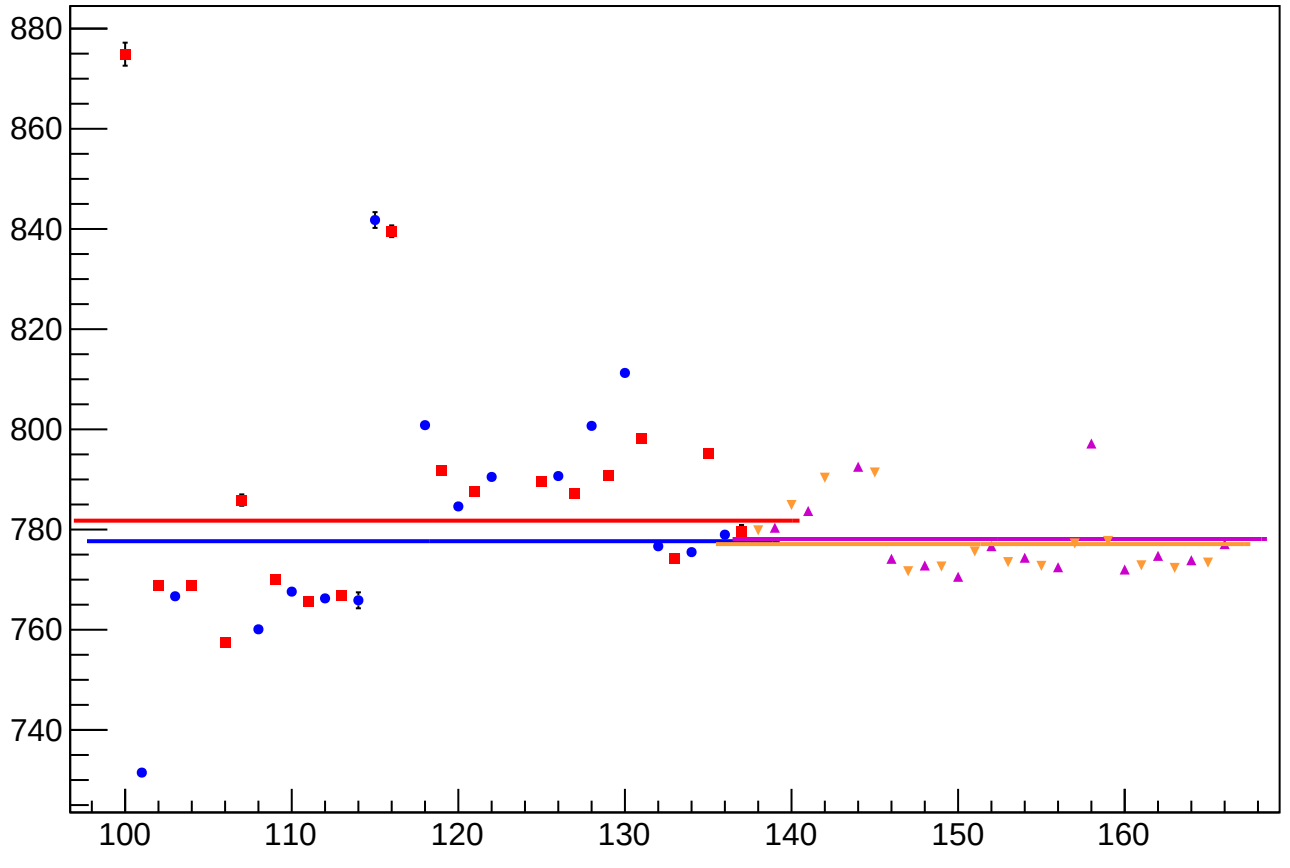
Left: -170.422+/-163.719 χ^2/NDF: 29.2/27

Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -338.287+/-179.465 χ^2/NDF:24.1/29

Out: -31.084+/-181.710 χ^2/NDF:23.6/31

All: -186.594+/-127.687 χ^2/NDF: 49.2/61



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.114+/-0.162 χ^2/NDF:2314.1/13

Left: 777.615+/-0.116 χ^2/NDF: 3672.3/27

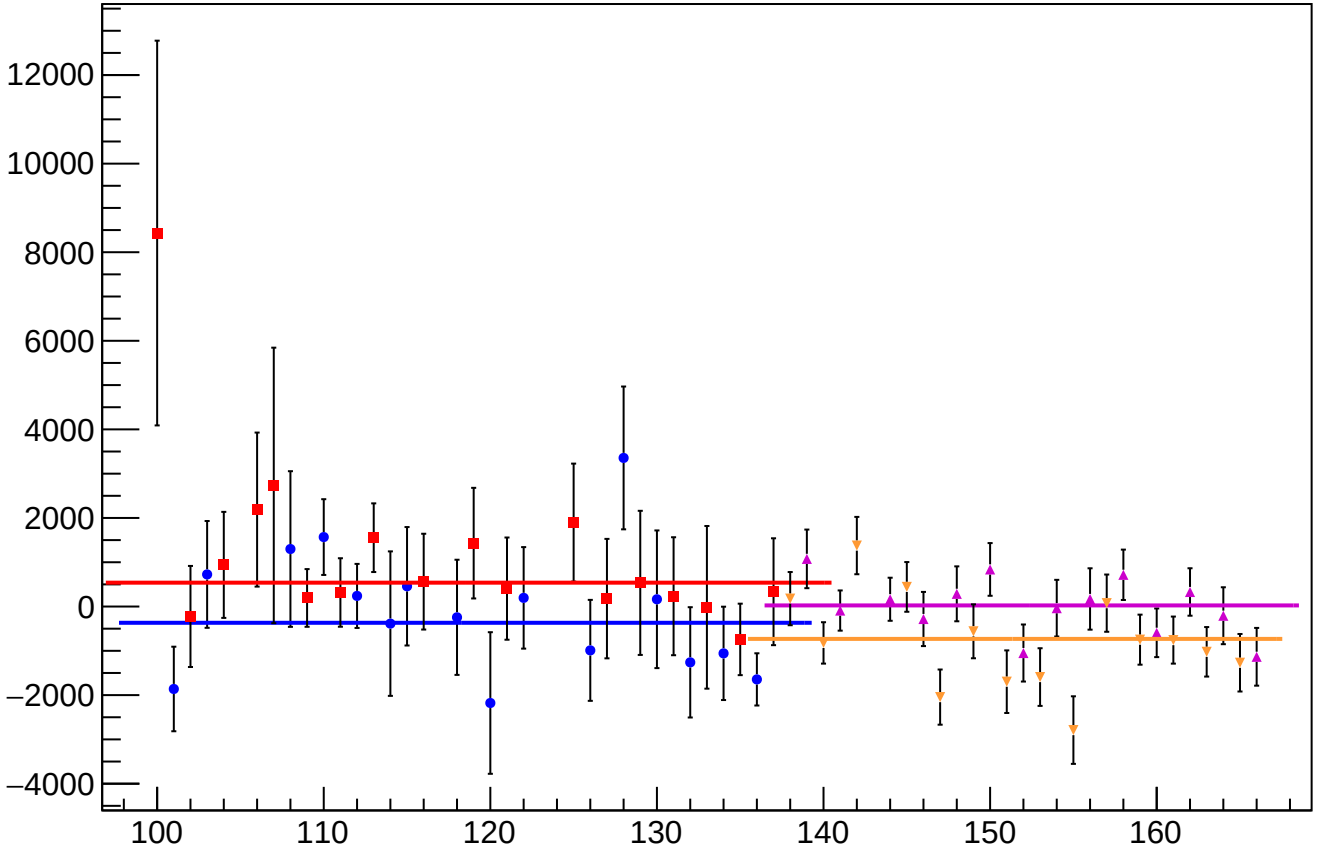
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.944+/-0.127 χ^2/NDF:14372.3/29

Out: 778.957+/-0.128 χ^2/NDF:9283.3/31

All: 778.444+/-0.090 χ^2/NDF: 23687.1/61

asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 25.144+/-156.045 χ^2/NDF:14.2/13

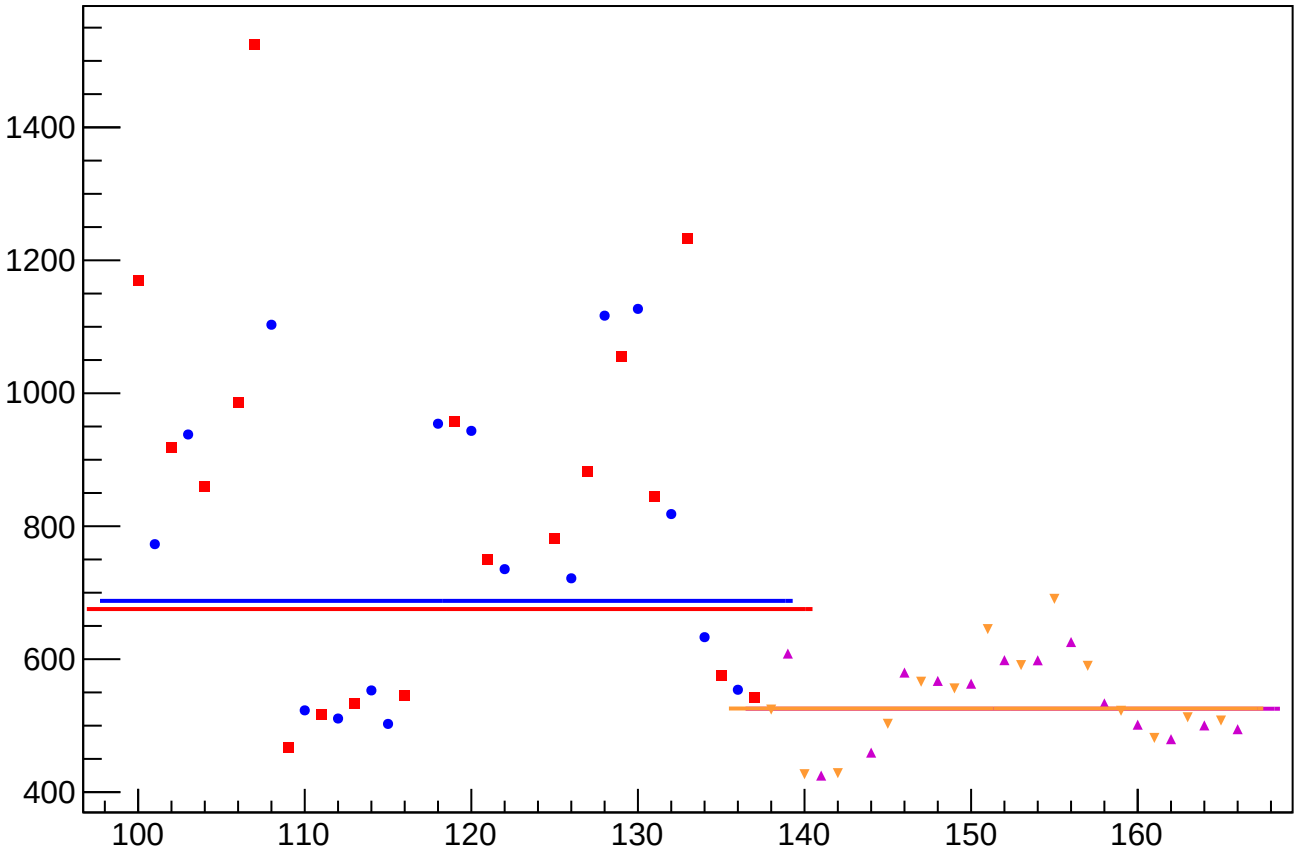
Left: -342.579+/-111.820 χ^2/NDF: 60.8/27

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -74.868+/-134.685 χ^2/NDF:39.1/29

Out: -386.585+/-136.876 χ^2/NDF:63.9/31

All: -228.211+/-96.002 χ^2/NDF: 105.6/61



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 525.458+/-0.110 χ^2/NDF:319488.9/13

Left: 525.622+/-0.079 χ^2/NDF: 677902.0/27

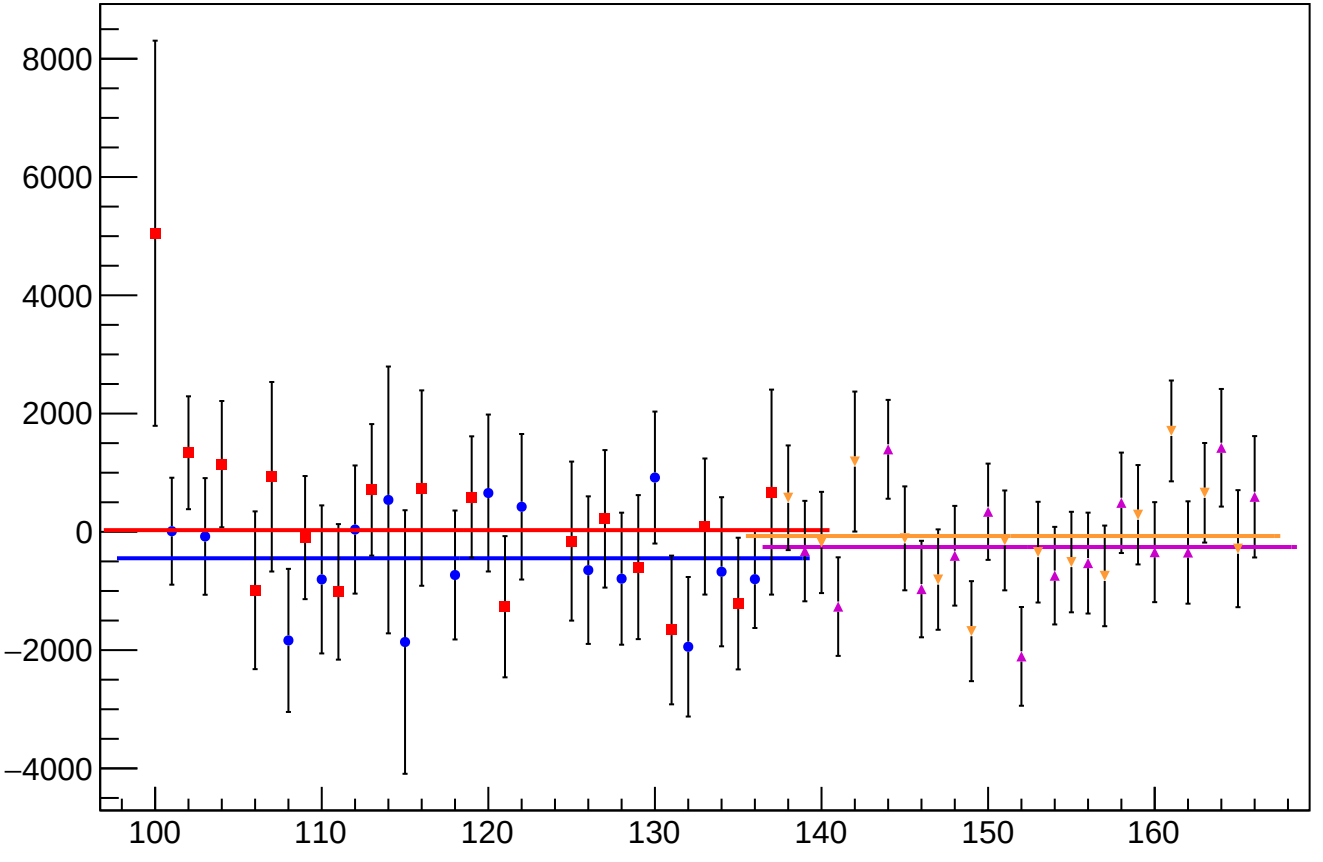
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 566.839+/-0.095 χ^2/NDF:1902894.7/29

Out: 566.349+/-0.097 χ^2/NDF:2143544.0/31

All: 566.598+/-0.068 χ^2/NDF: 4046451.7/61

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

Right Out: 28.787+/-288.372 χ^2/NDF: 12.6/17

Left In: -256.506+/-229.210 χ^2/NDF:16.4/13

Left: -165.632+/-163.866 χ^2/NDF: 29.1/27

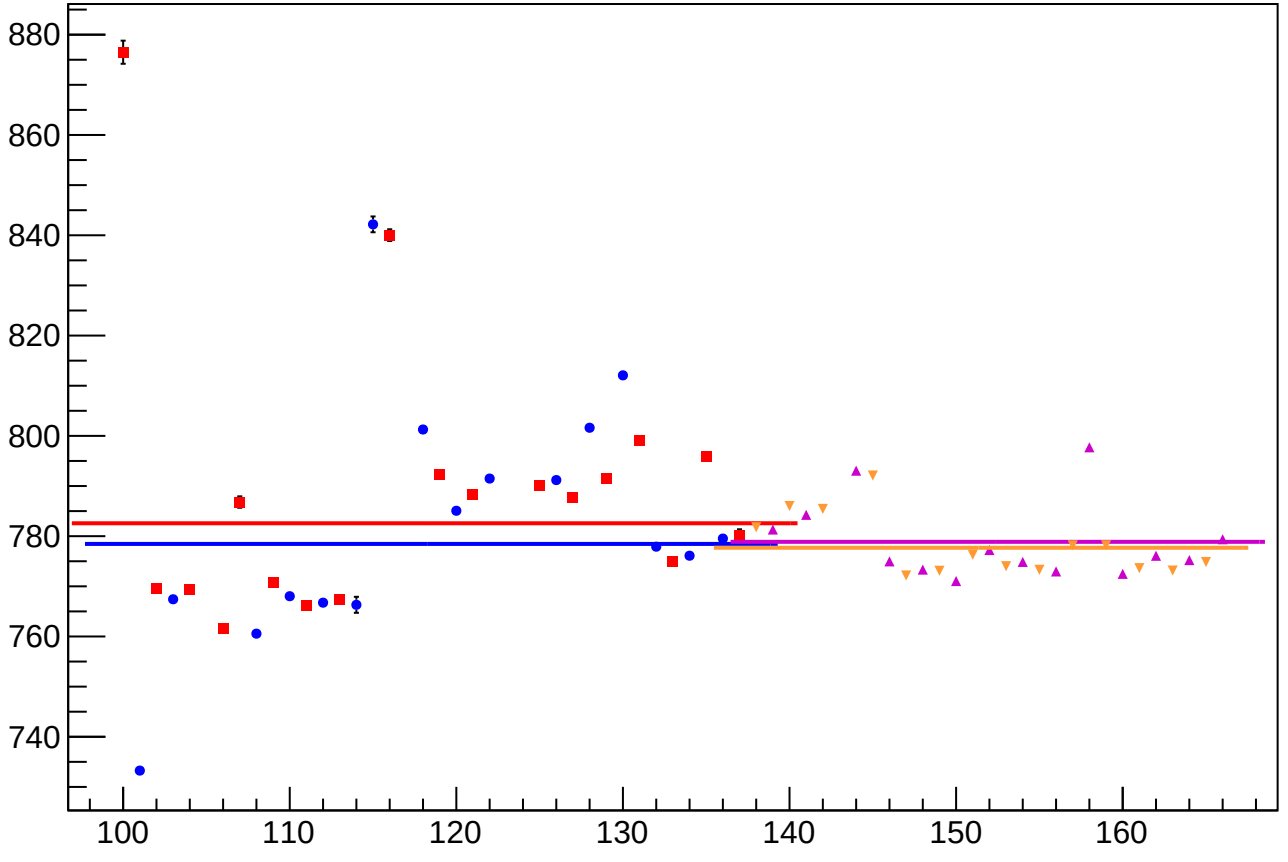
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -329.856+/-179.642 χ^2/NDF:23.9/29

Out: -31.086+/-181.871 χ^2/NDF:25.1/31

All: -182.314+/-127.807 χ^2/NDF: 50.4/61

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.874+/-0.162 χ^2/NDF:2290.5/13

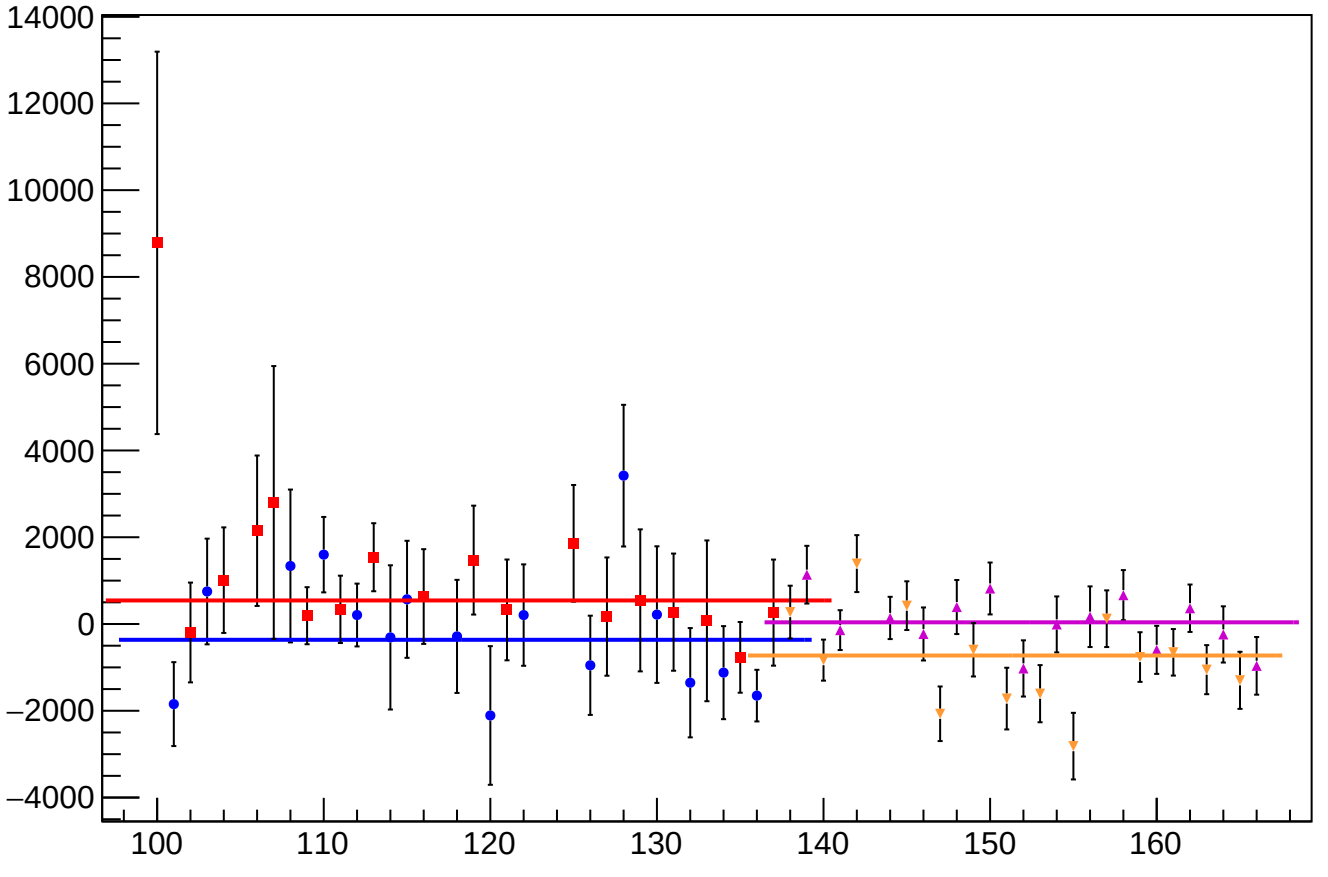
Left: 778.297+/-0.116 χ^2/NDF: 3533.3/27

Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 778.713+/-0.127 χ^2/NDF:14088.3/29

Out: 779.635+/-0.129 χ^2/NDF:9043.5/31

All: 779.168+/-0.090 χ^2/NDF: 23157.8/61



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -726.028+/-161.944 χ^2/NDF:35.9/13

Right Out: 542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: 38.910+/-157.442 χ^2/NDF:13.2/13

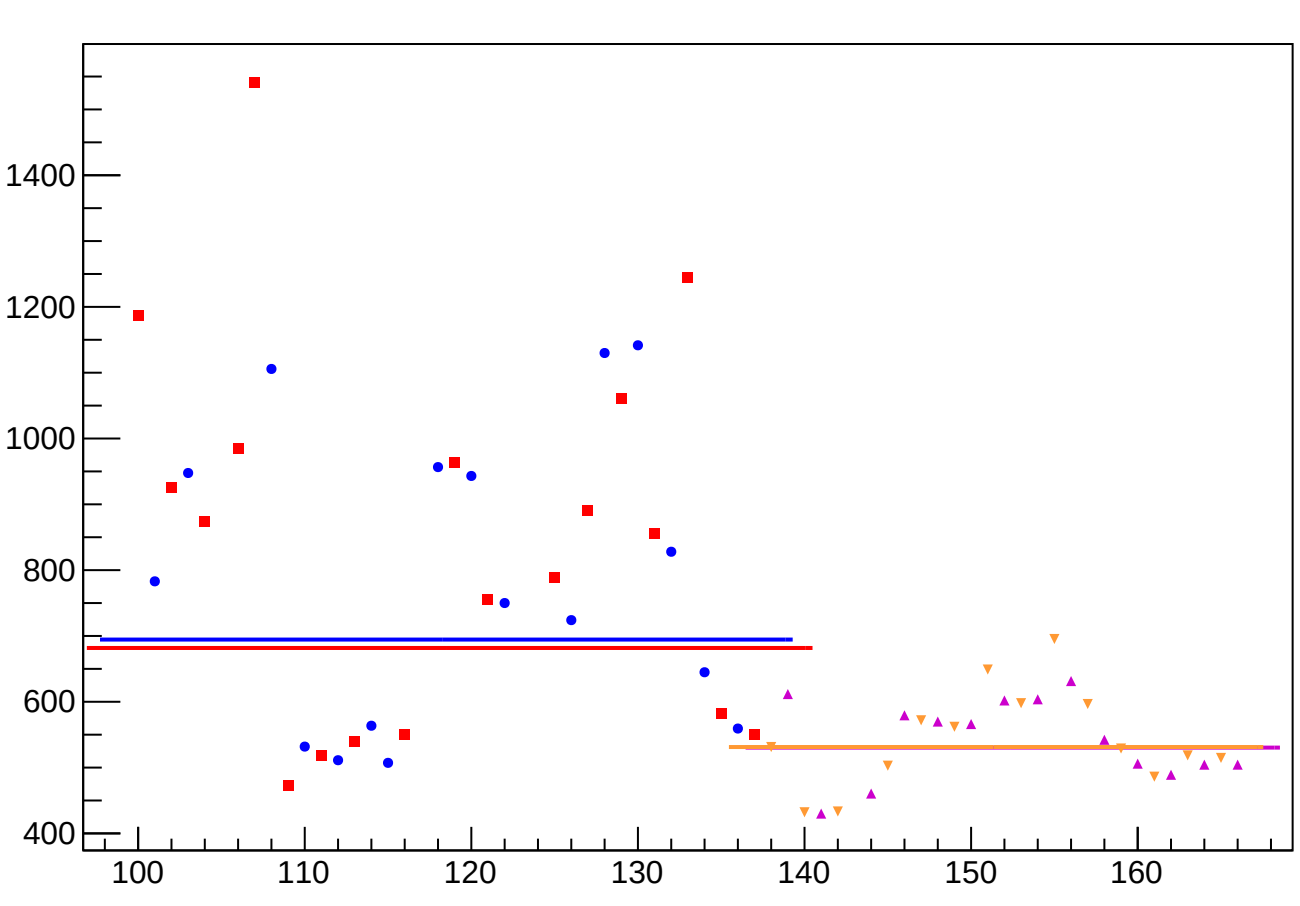
Left: -332.780+/-112.886 χ^2/NDF: 60.5/27

Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: -63.709+/-135.920 χ^2/NDF:38.1/29

Out: -381.519+/-138.223 χ^2/NDF:64.3/31

All: -219.945+/-96.914 χ^2/NDF: 105.2/61



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 531.230+/-0.115 χ^2/NDF:354049.7/13

Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 530.363+/-0.111 χ^2/NDF:309005.1/13

Left: 530.784+/-0.080 χ^2/NDF: 663084.3/27

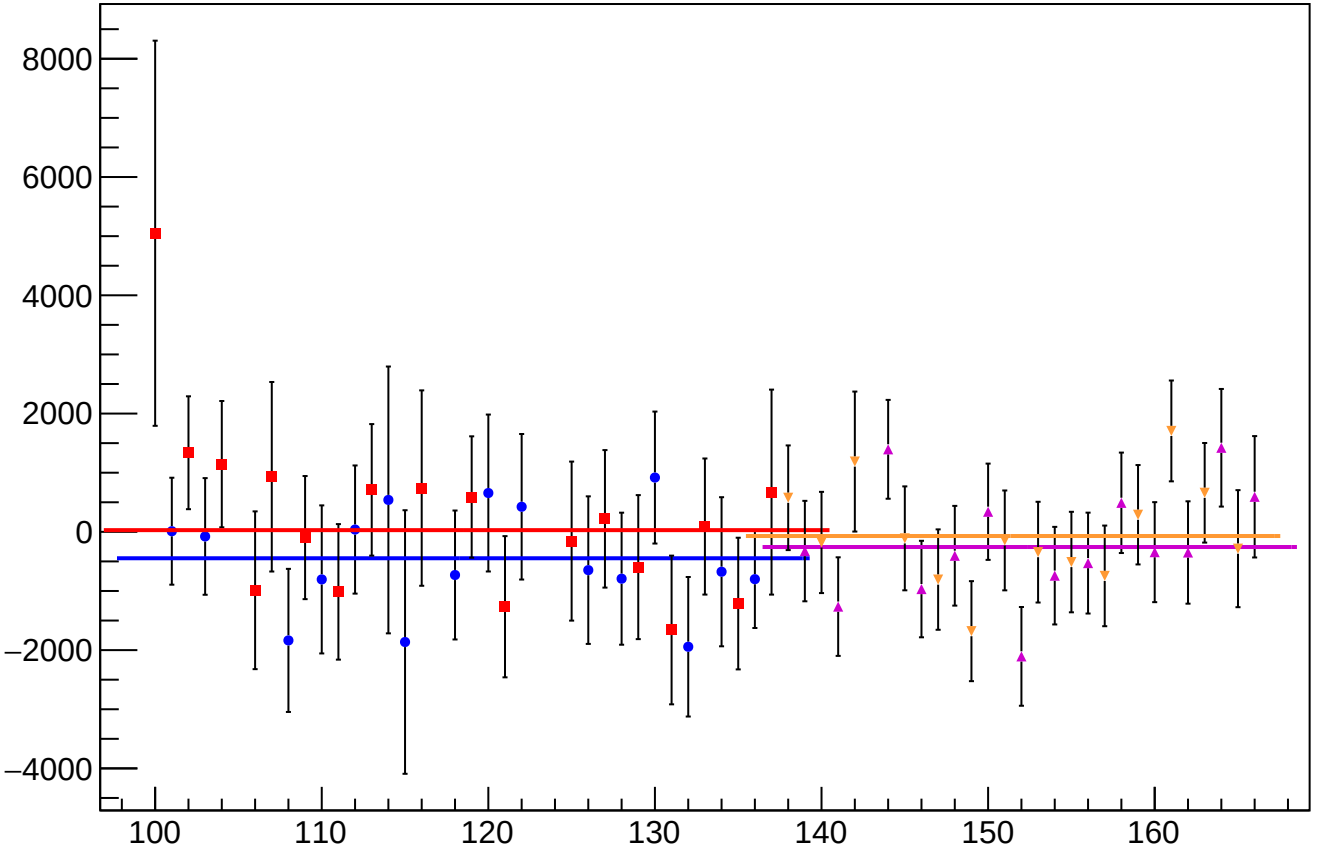
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 572.176+/-0.096 χ^2/NDF:1892703.1/29

Out: 572.094+/-0.098 χ^2/NDF:2134429.6/31

All: 572.136+/-0.069 χ^2/NDF: 4027133.0/61

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

Right Out: 28.786+/-288.372 χ^2/NDF: 12.6/17

Left In: -256.505+/-229.210 χ^2/NDF:16.4/13

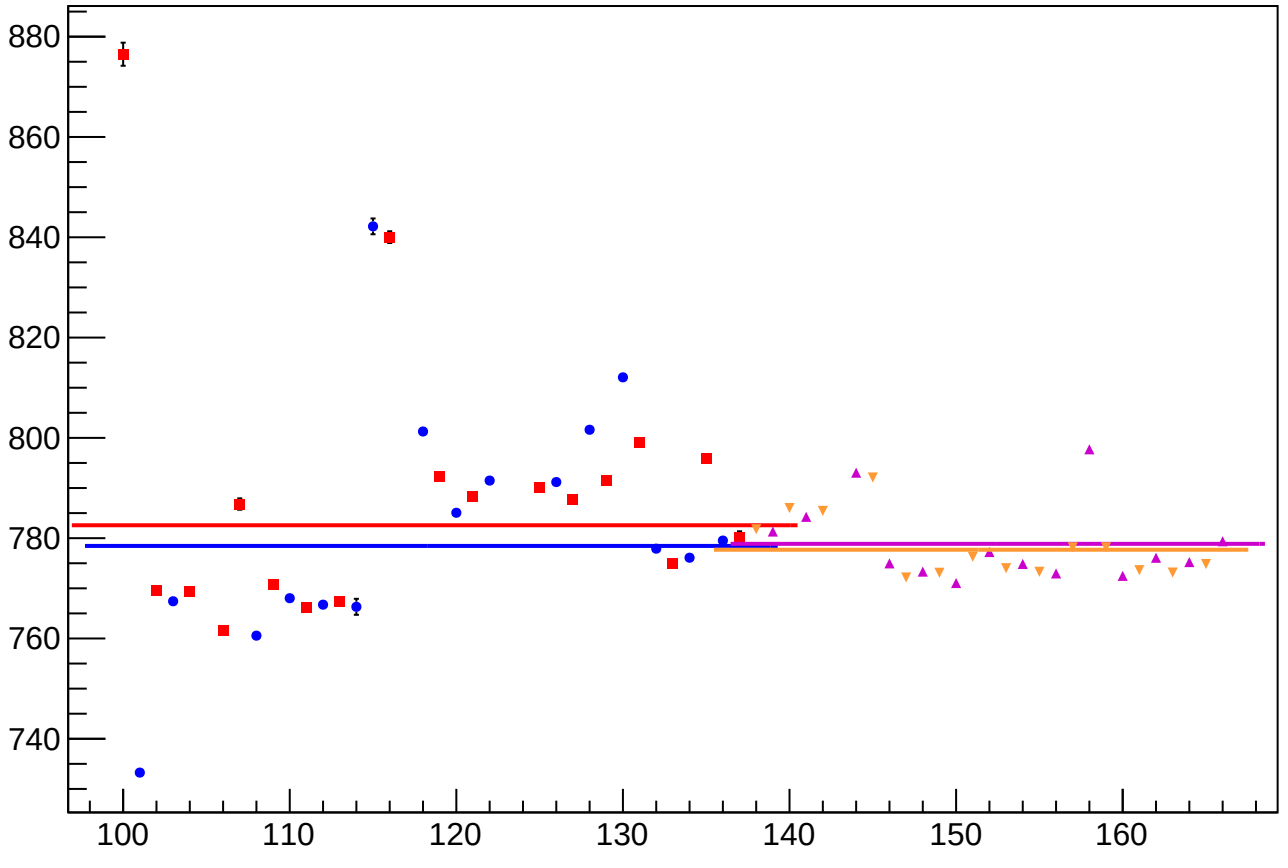
Left: -165.632+/-163.866 χ^2/NDF: 29.1/27

Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -329.856+/-179.642 χ^2/NDF:23.9/29

Out: -31.087+/-181.871 χ^2/NDF:25.1/31

All: -182.314+/-127.807 χ^2/NDF: 50.4/61



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.874+/-0.162 χ^2/NDF:2290.5/13

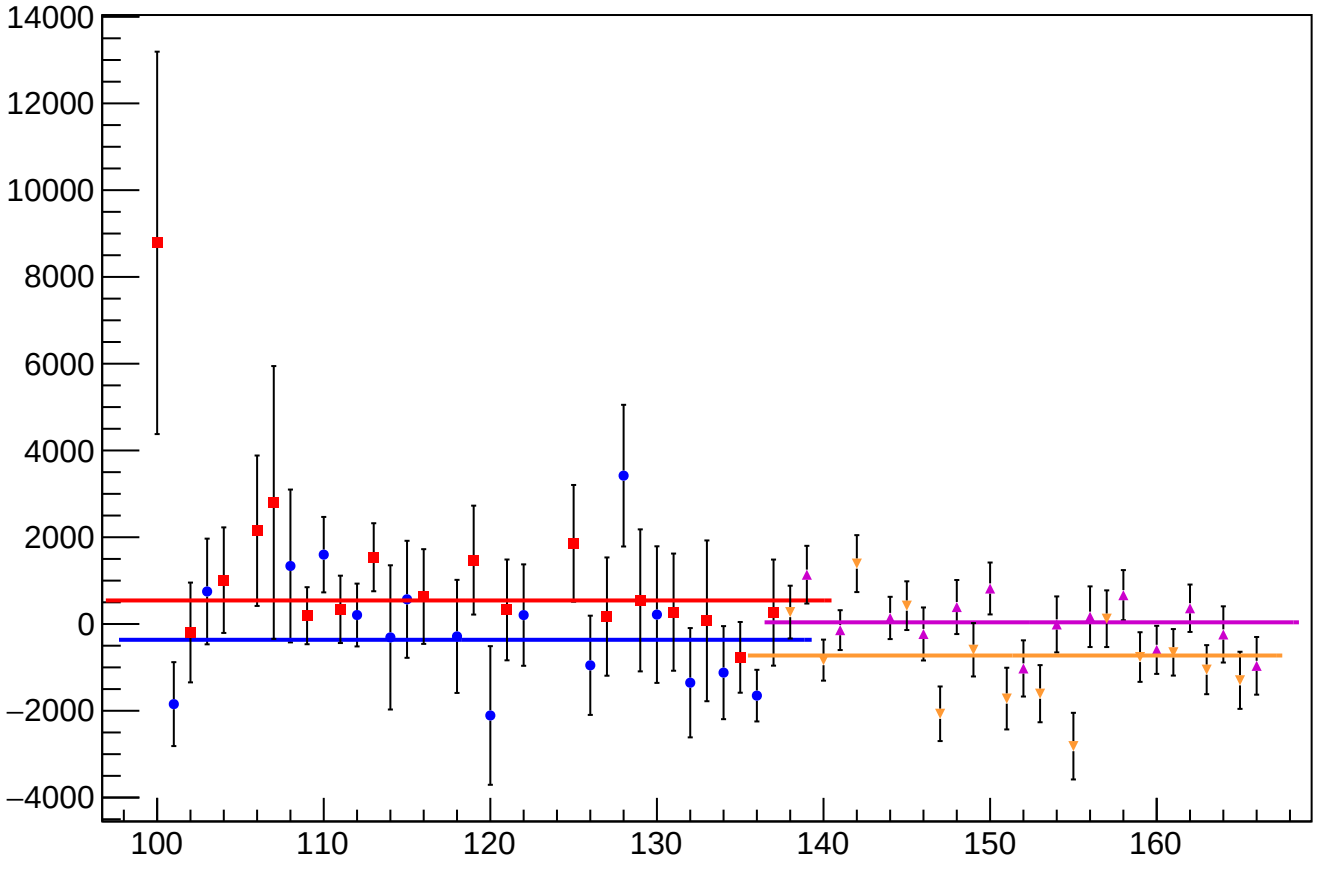
Left: 778.297+/-0.116 χ^2/NDF: 3533.3/27

Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 778.713+/-0.127 χ^2/NDF:14088.2/29

Out: 779.635+/-0.129 χ^2/NDF:9043.5/31

All: 779.168+/-0.090 χ^2/NDF: 23157.7/61



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -726.027+/-161.944 χ^2/NDF:35.9/13

Right Out: 542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: 38.908+/-157.442 χ^2/NDF:13.2/13

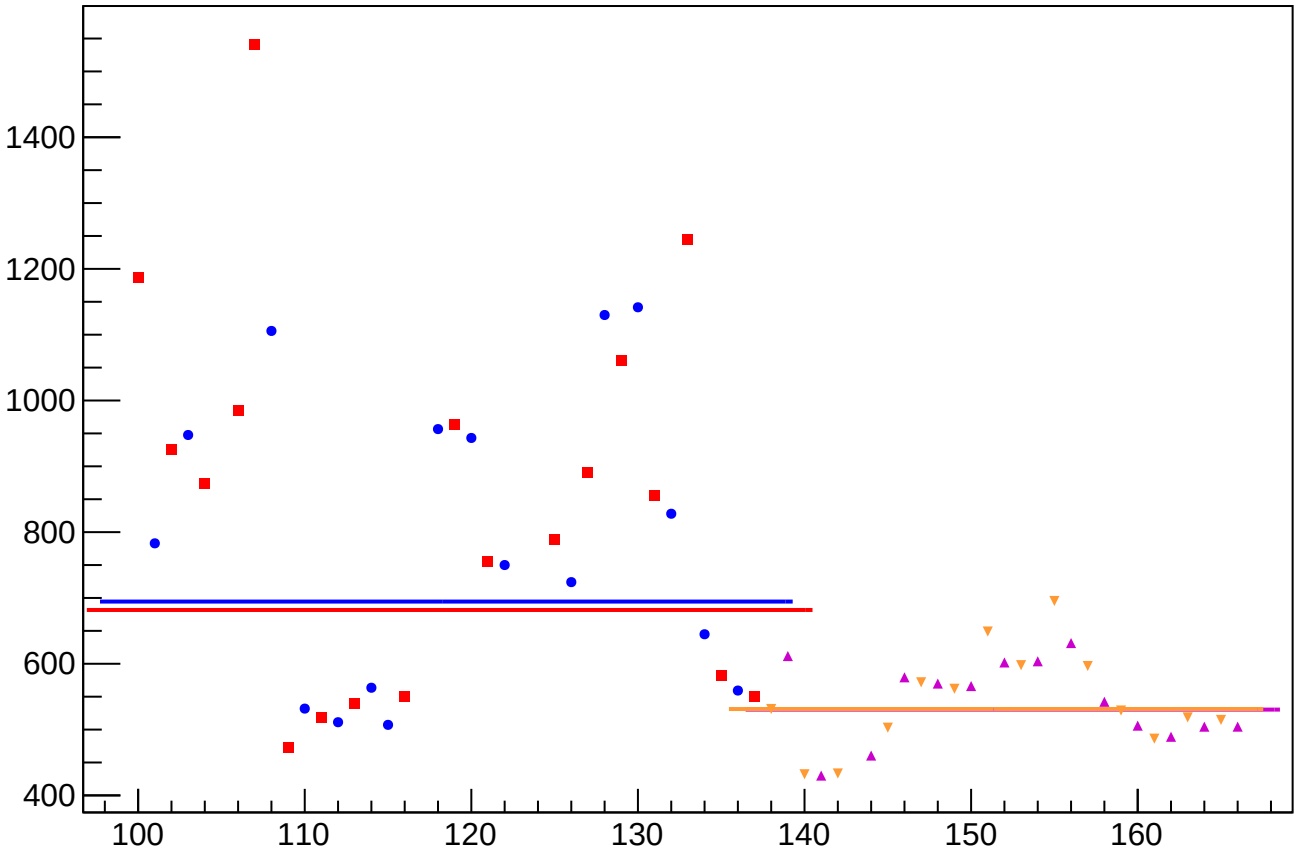
Left: -332.780+/-112.886 χ^2/NDF: 60.5/27

Right: 96.309+/-188.989 χ^2/NDF: 40.8/33

In: -63.710+/-135.920 χ^2/NDF:38.1/29

Out: -381.517+/-138.222 χ^2/NDF:64.3/31

All: -219.944+/-96.914 χ^2/NDF: 105.2/61



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 531.230+/-0.115 χ^2/NDF:354062.3/13

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

Left In: 530.363+/-0.111 χ^2/NDF:309017.7/13

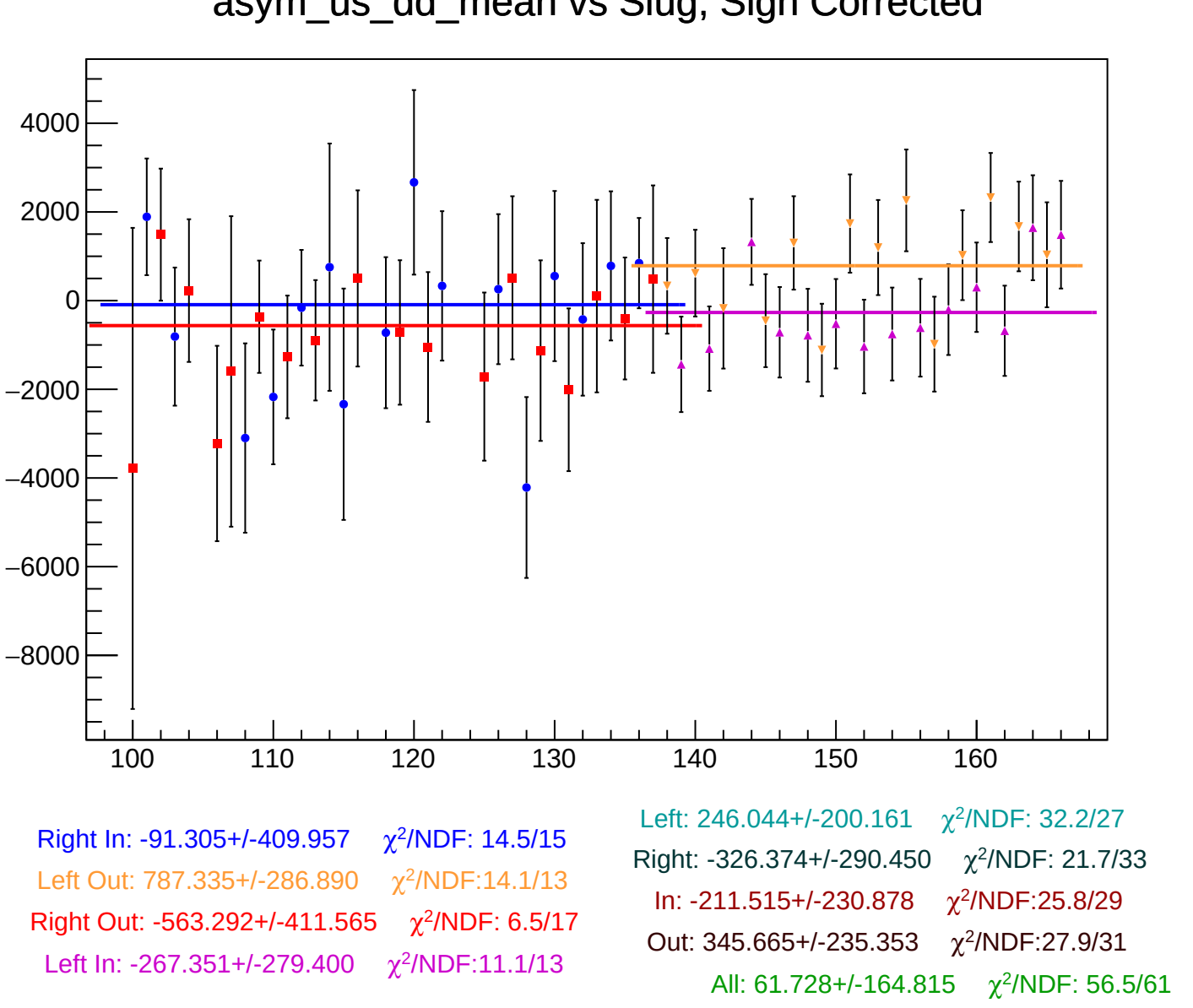
Left: 530.784+/-0.080 χ^2/NDF: 663109.4/27

Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

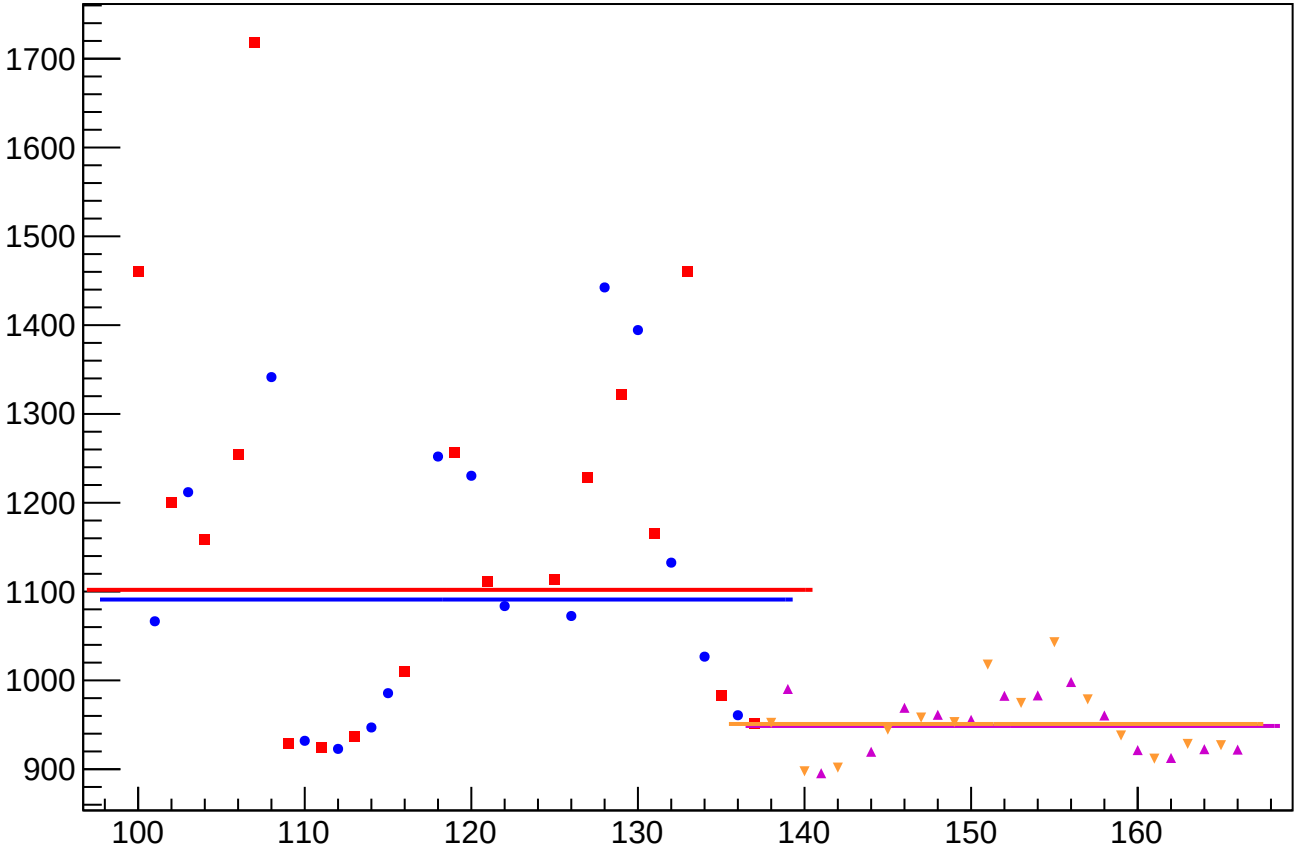
In: 572.175+/-0.096 χ^2/NDF:1892706.8/29

Out: 572.094+/-0.098 χ^2/NDF:2134444.1/31

All: 572.135+/-0.069 χ^2/NDF: 4027151.3/61


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 787.335+/-286.890 χ²/NDF:14.1/13
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -267.351+/-279.400 χ²/NDF:11.1/13
Left: 246.044+/-200.161 χ²/NDF: 32.2/27
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -211.515+/-230.878 χ²/NDF:25.8/29
Out: 345.665+/-235.353 χ²/NDF:27.9/31
All: 61.728+/-164.815 χ²/NDF: 56.5/61

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 950.931+/-0.203 χ^2/NDF:36350.1/13

Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 948.702+/-0.198 χ^2/NDF:26646.0/13

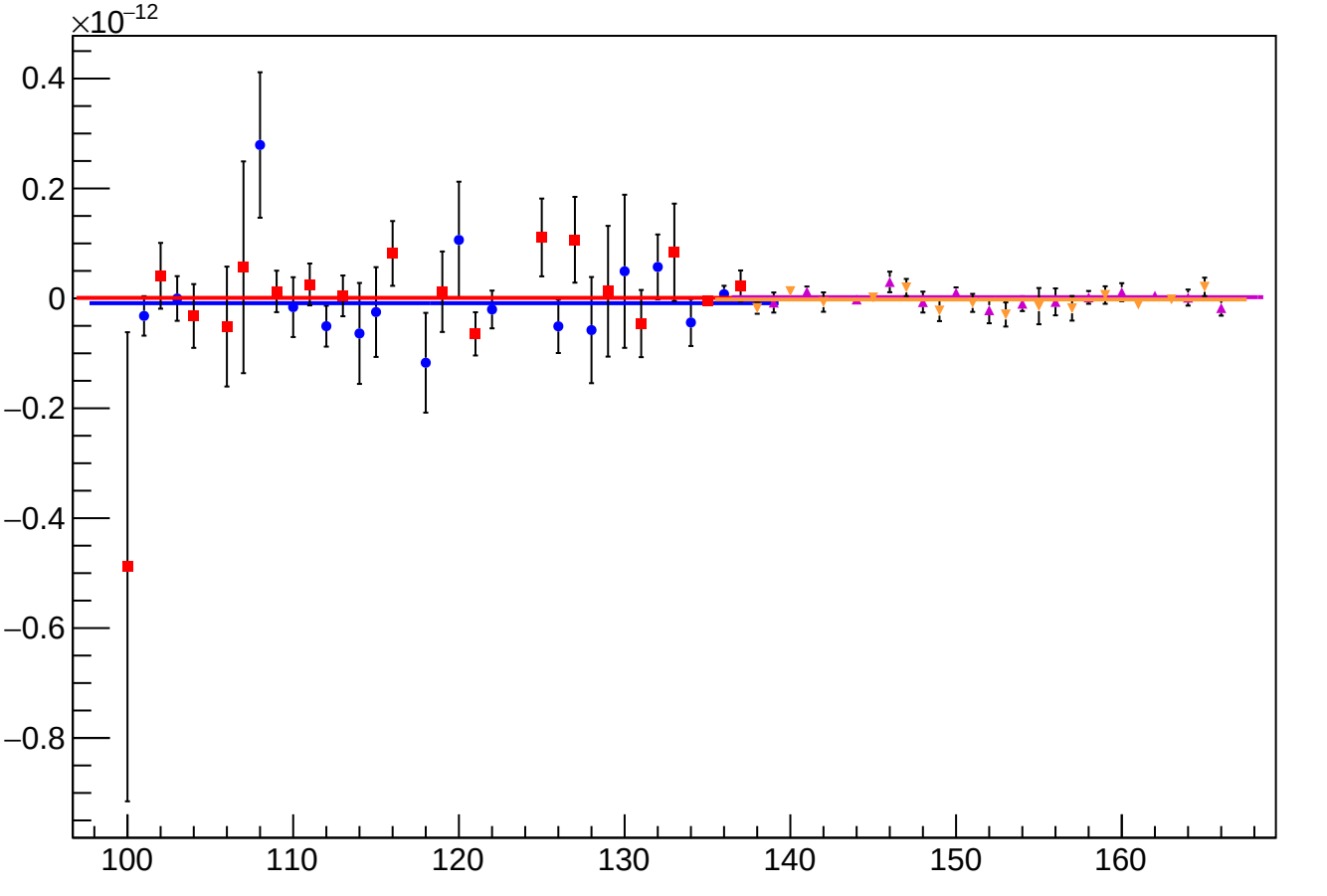
Left: 949.787+/-0.142 χ^2/NDF: 63058.0/27

Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

In: 993.848+/-0.163 χ^2/NDF:468582.5/29

Out: 1000.317+/-0.166 χ^2/NDF:545692.9/31

All: 997.020+/-0.117 χ^2/NDF: 1015045.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

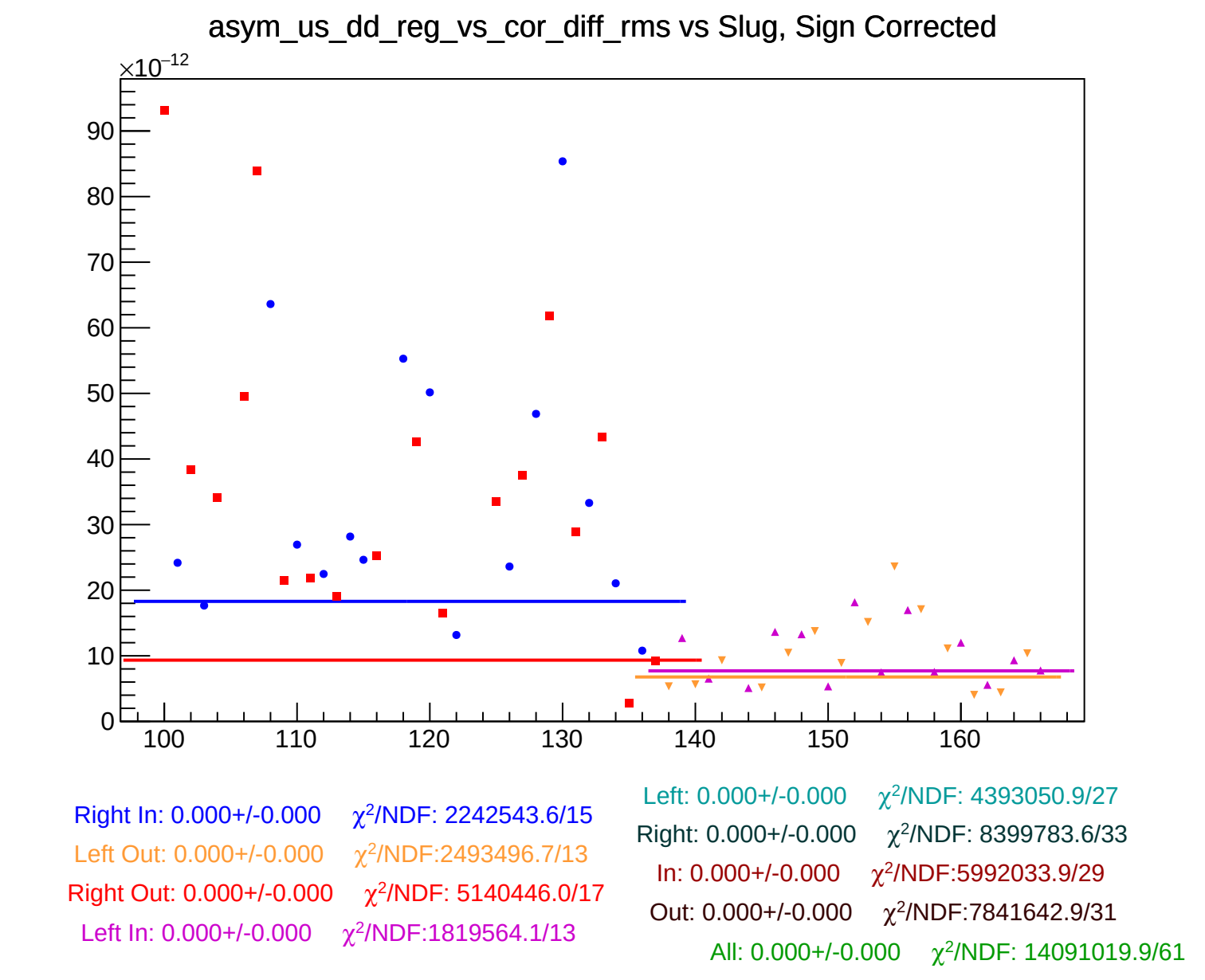
Left: -0.000+/-0.000 χ^2/NDF: 25.2/27

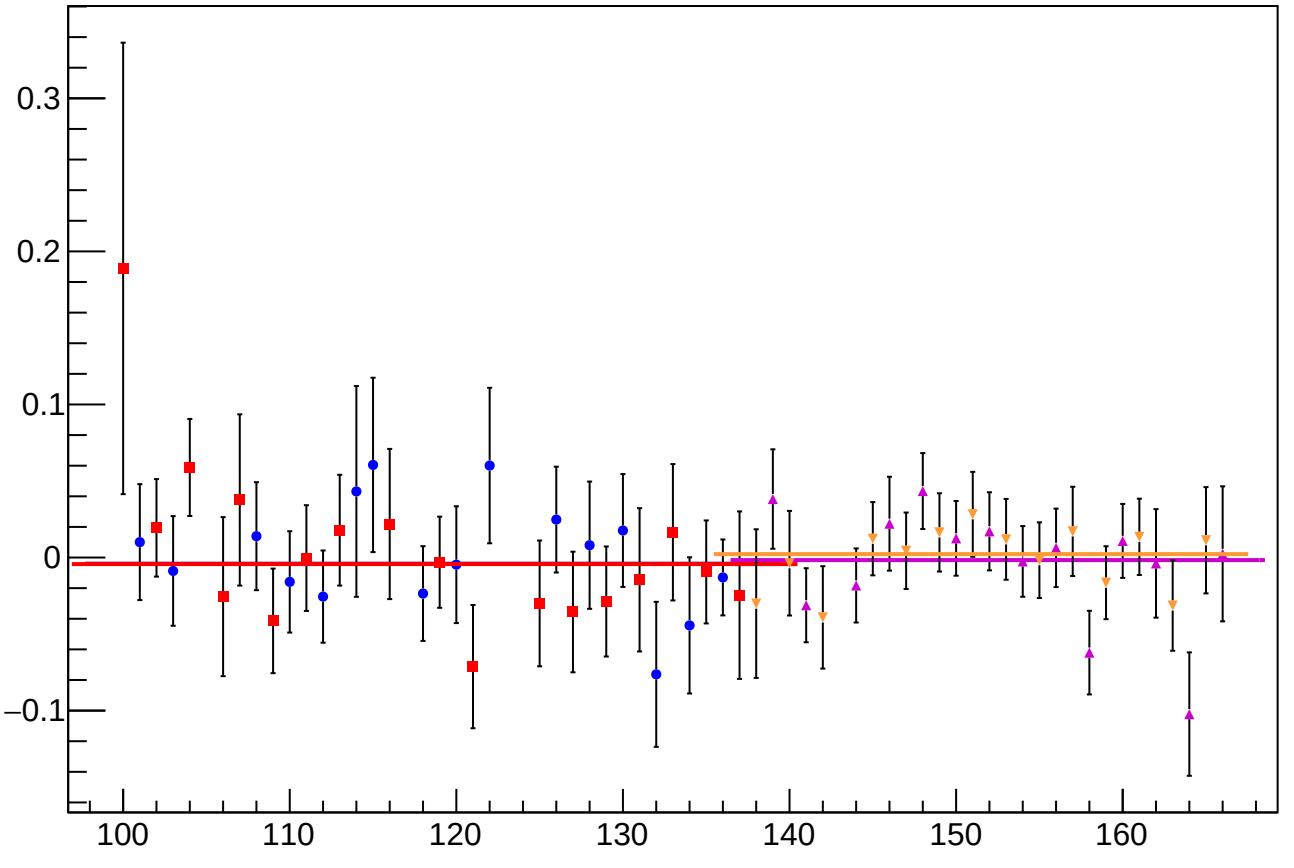
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

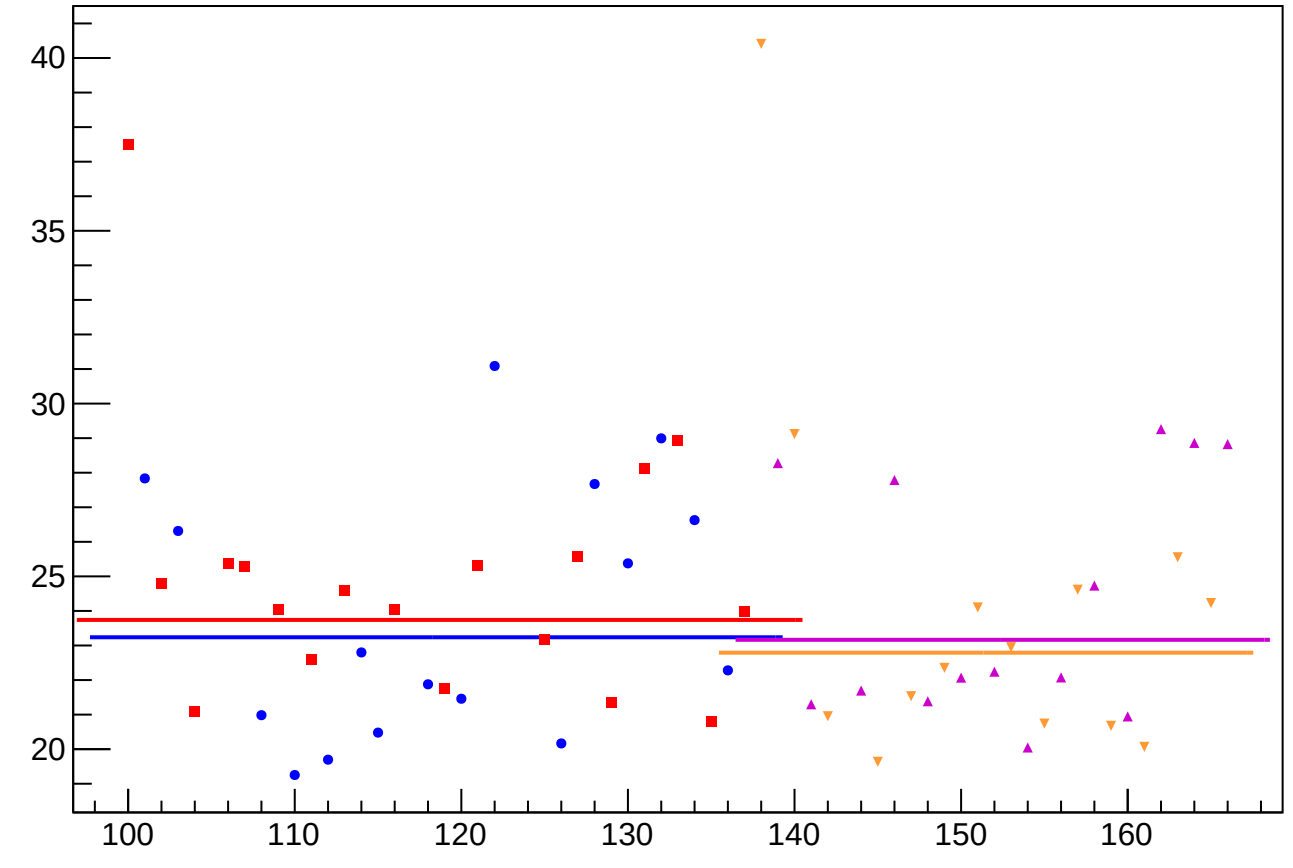
In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: -0.000+/-0.000 χ^2/NDF:29.8/31

All: -0.000+/-0.000 χ^2/NDF: 54.1/61


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2493496.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1819564.1/13
Left: 0.000+/-0.000 χ²/NDF: 4393050.9/27
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5992033.9/29
Out: 0.000+/-0.000 χ²/NDF:7841642.9/31
All: 0.000+/-0.000 χ²/NDF: 14091019.9/61


asym_us_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.002+/-0.007 χ²/NDF:6.0/13
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.002+/-0.007 χ²/NDF:19.8/13
Left: 0.000+/-0.005 χ²/NDF: 25.9/27
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.003+/-0.006 χ²/NDF:29.0/29
Out: -0.000+/-0.006 χ²/NDF:19.8/31
All: -0.001+/-0.004 χ²/NDF: 48.8/61



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 22.792+/-0.005 χ^2/NDF:465042.3/13

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.164+/-0.005 χ^2/NDF:326773.5/13

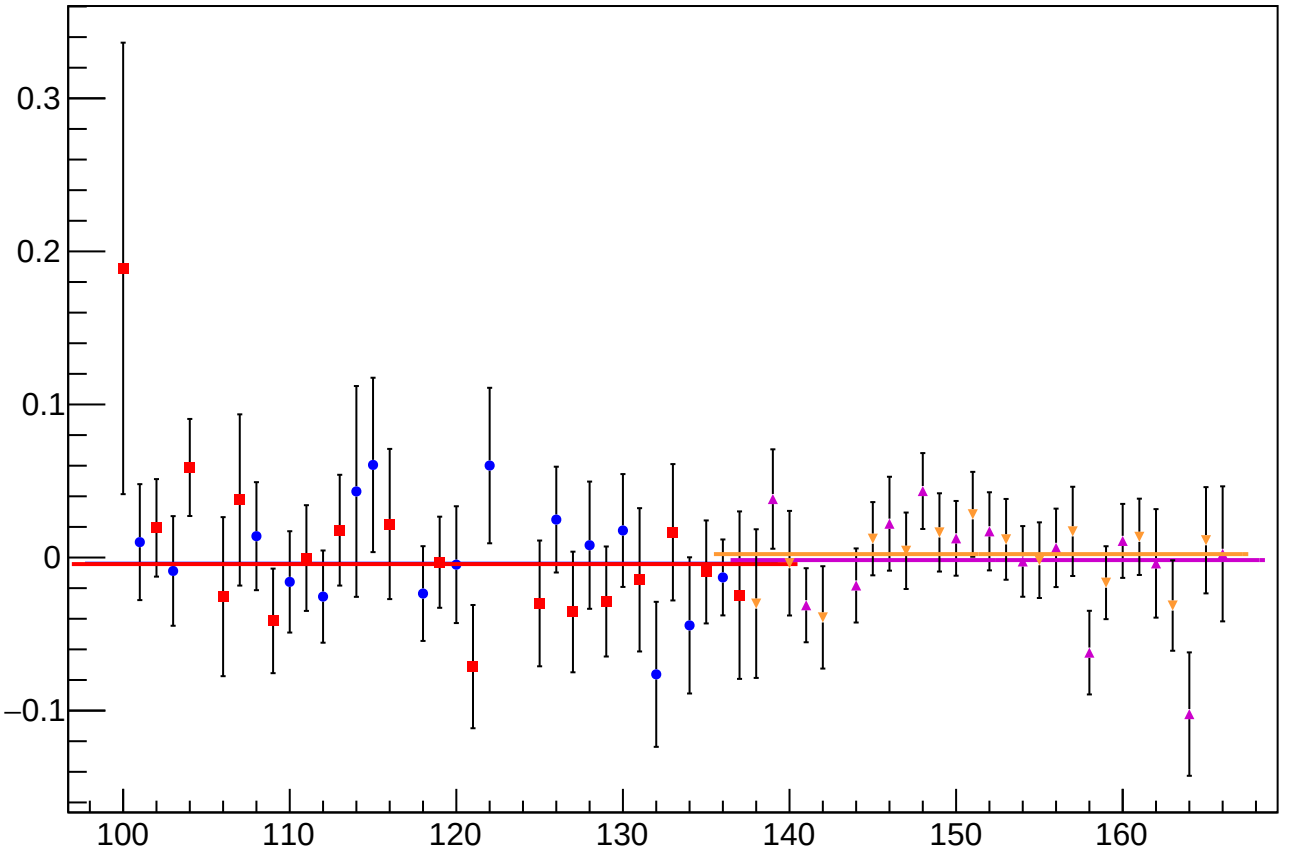
Left: 22.981+/-0.004 χ^2/NDF: 794357.0/27

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.193+/-0.004 χ^2/NDF:586086.8/29

Out: 23.162+/-0.004 χ^2/NDF:603859.6/31

All: 23.178+/-0.003 χ^2/NDF: 1189973.6/61



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:19.8/13

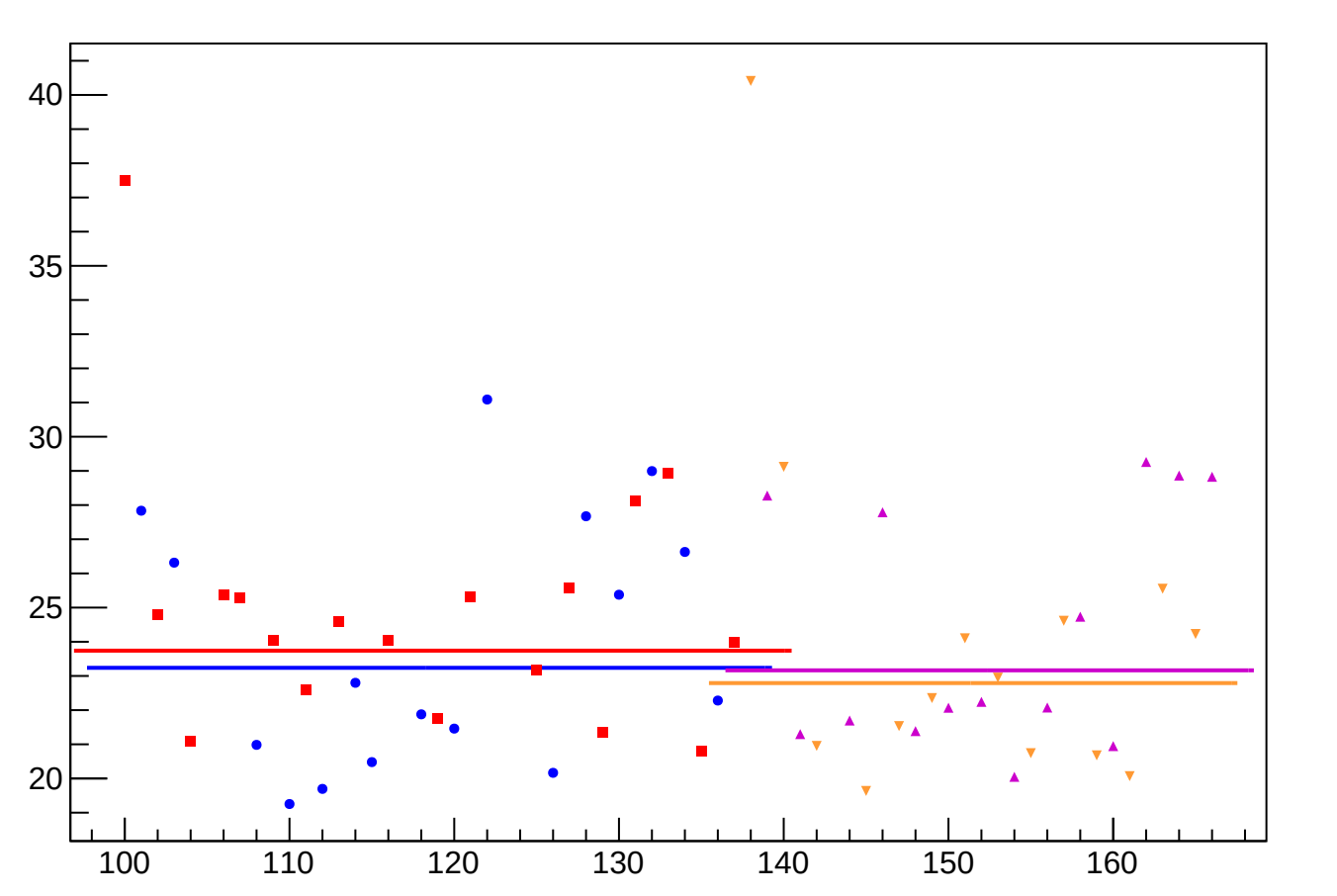
Left: 0.000+/-0.005 χ^2/NDF: 25.9/27

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.003+/-0.006 χ^2/NDF:29.0/29

Out: -0.000+/-0.006 χ^2/NDF:19.8/31

All: -0.001+/-0.004 χ^2/NDF: 48.8/61



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 22.792+/-0.005 χ^2/NDF:465042.3/13

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.164+/-0.005 χ^2/NDF:326773.5/13

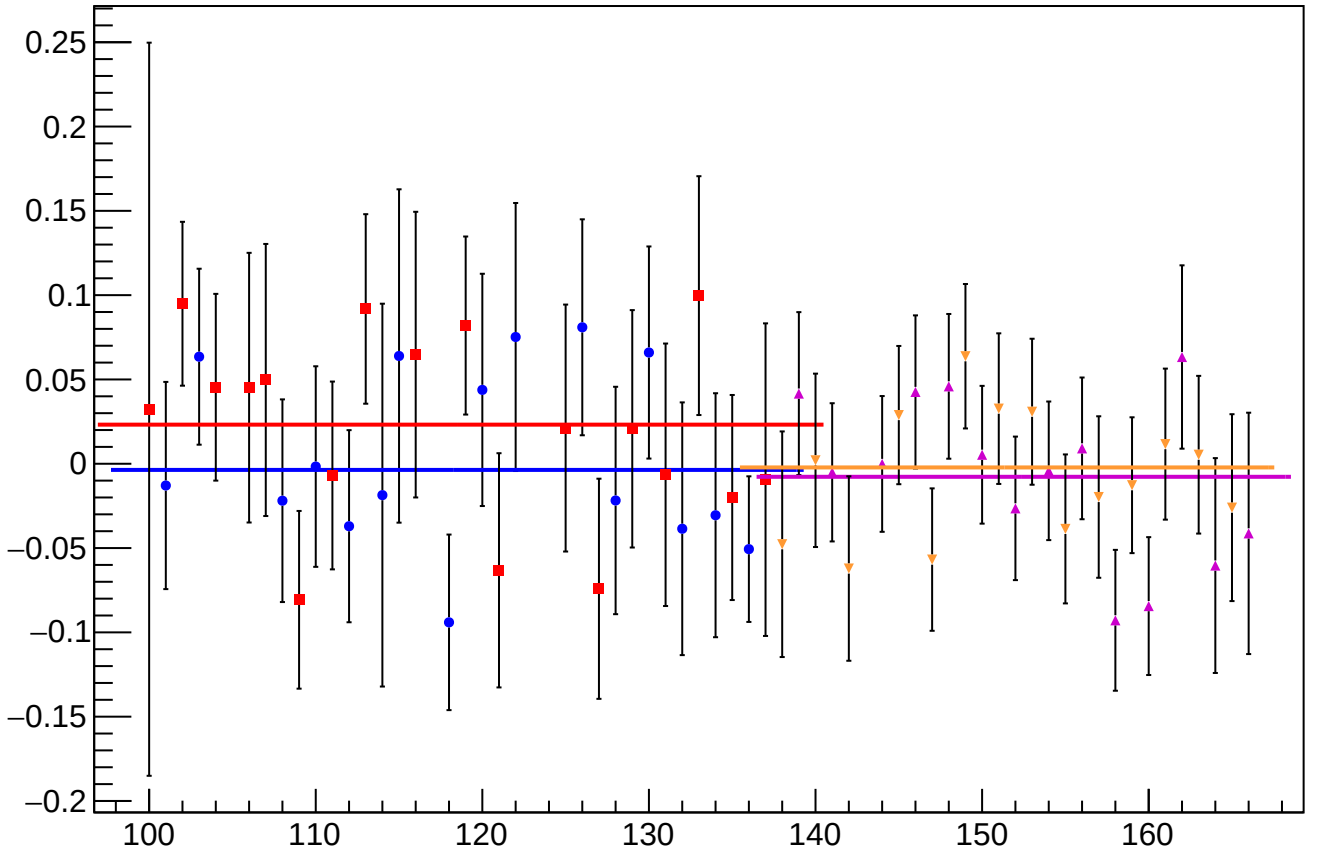
Left: 22.981+/-0.004 χ^2/NDF: 794357.0/27

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.193+/-0.004 χ^2/NDF:586086.8/29

Out: 23.162+/-0.004 χ^2/NDF:603859.6/31

All: 23.178+/-0.003 χ^2/NDF: 1189973.6/61



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.008+/-0.012 χ^2/NDF:14.6/13

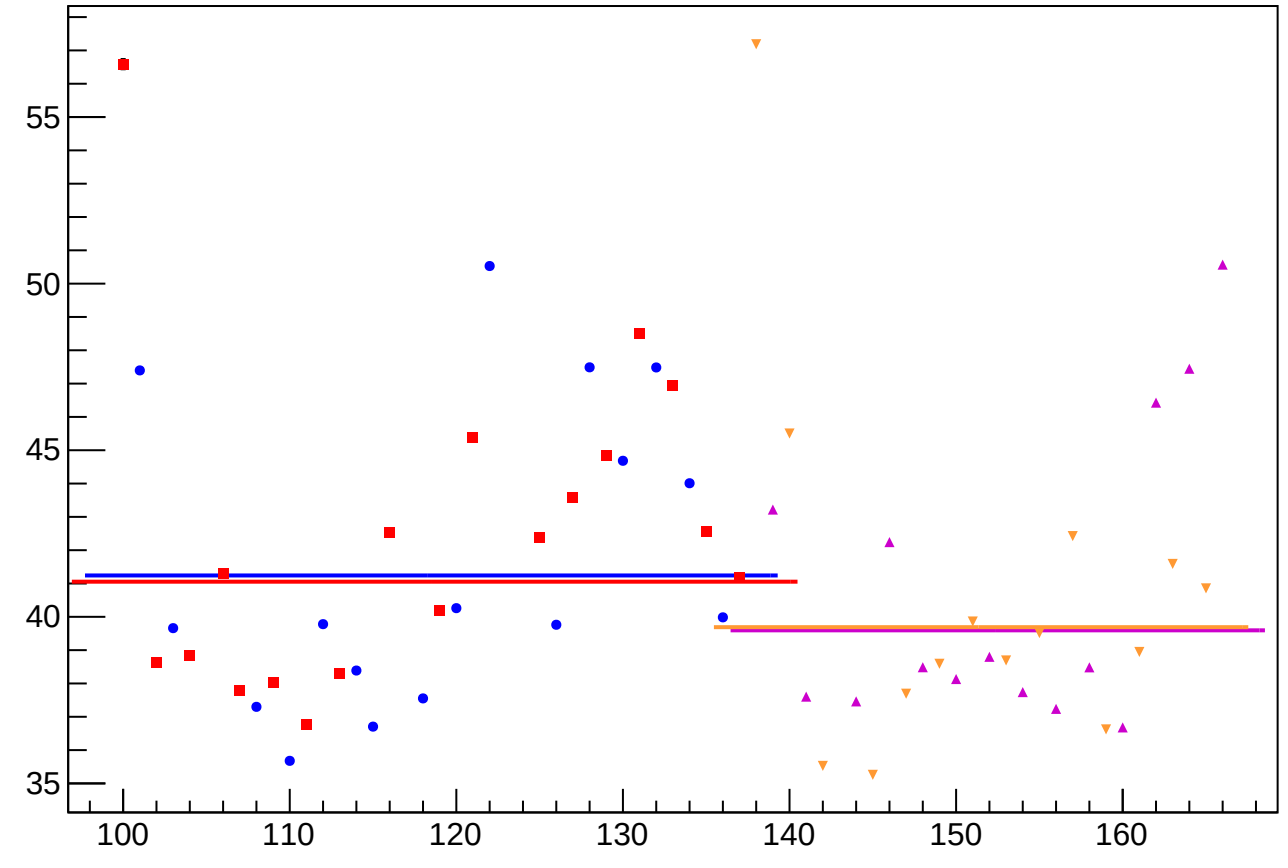
Left: -0.005+/-0.009 χ^2/NDF: 23.4/27

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.3/29

Out: 0.008+/-0.010 χ^2/NDF:25.7/31

All: 0.001+/-0.007 χ^2/NDF: 53.1/61



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 39.689+/-0.009 χ^2/NDF:227029.3/13

Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.595+/-0.008 χ^2/NDF:163908.1/13

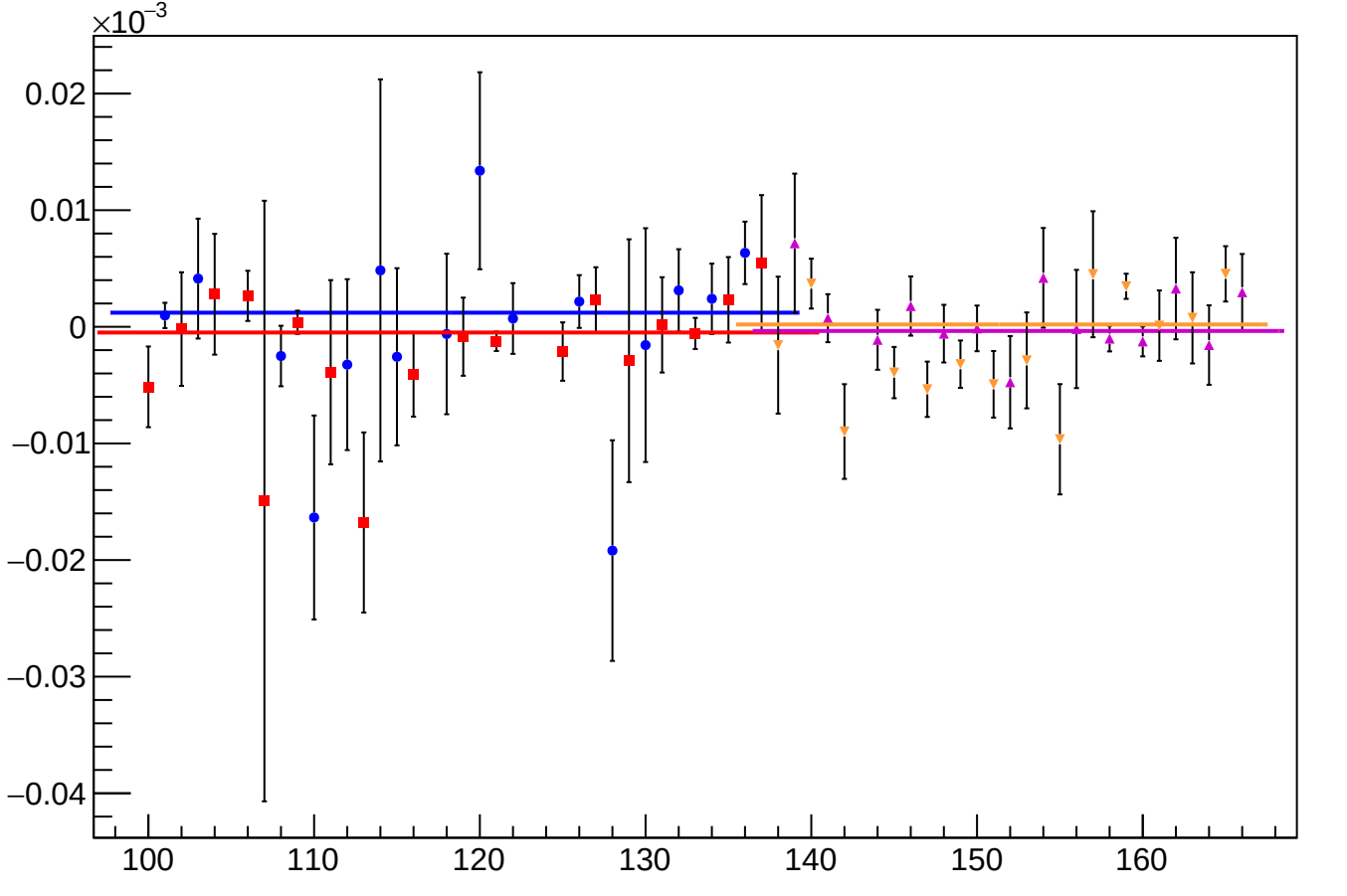
Left: 39.640+/-0.006 χ^2/NDF: 390997.5/27

Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 40.201+/-0.007 χ^2/NDF:313031.2/29

Out: 40.221+/-0.007 χ^2/NDF:333058.2/31

All: 40.211+/-0.005 χ^2/NDF: 646093.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/13

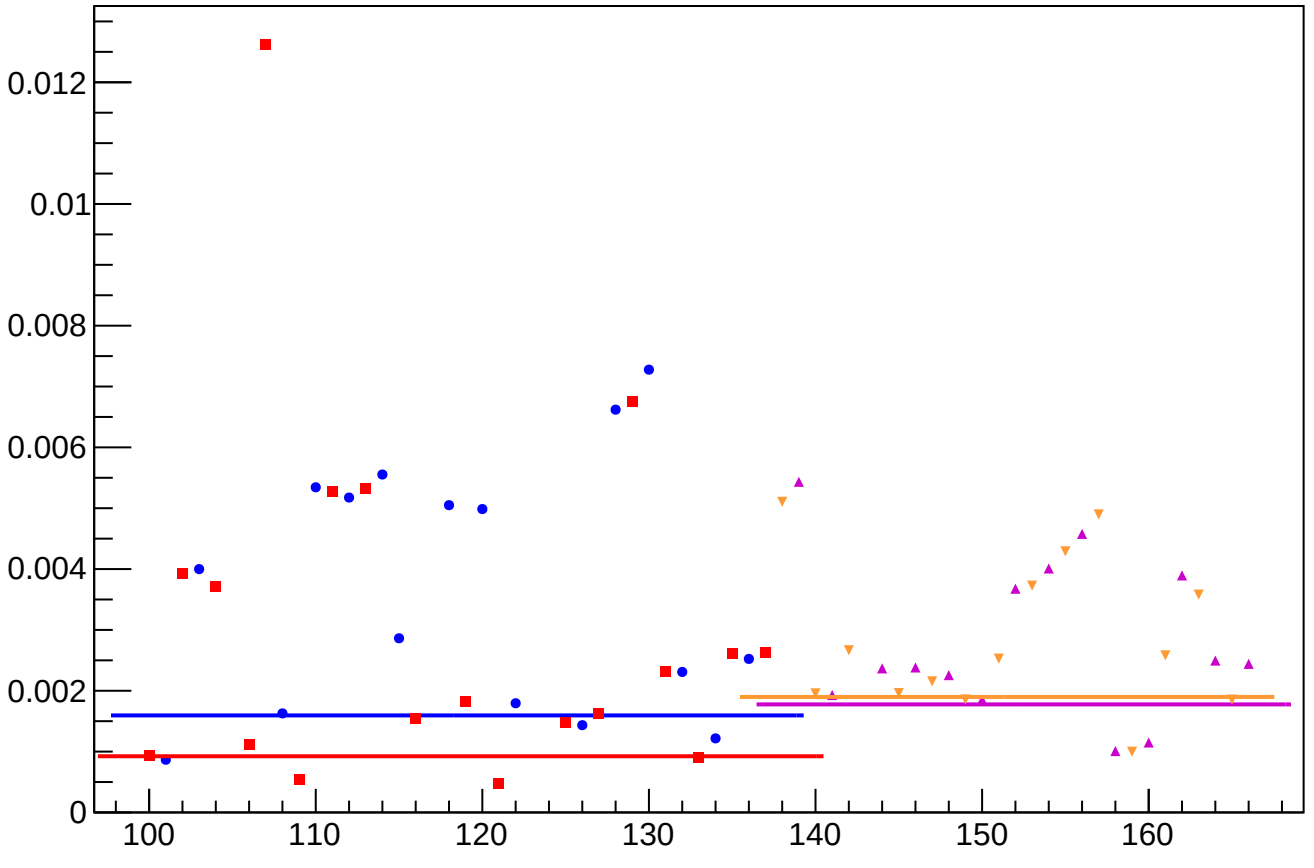
Left: -0.000+/-0.000 χ^2/NDF: 49.2/27

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:28.7/29

Out: -0.000+/-0.000 χ^2/NDF:56.7/31

All: -0.000+/-0.000 χ^2/NDF: 86.1/61



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:4185858.7/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:4769845.2/13

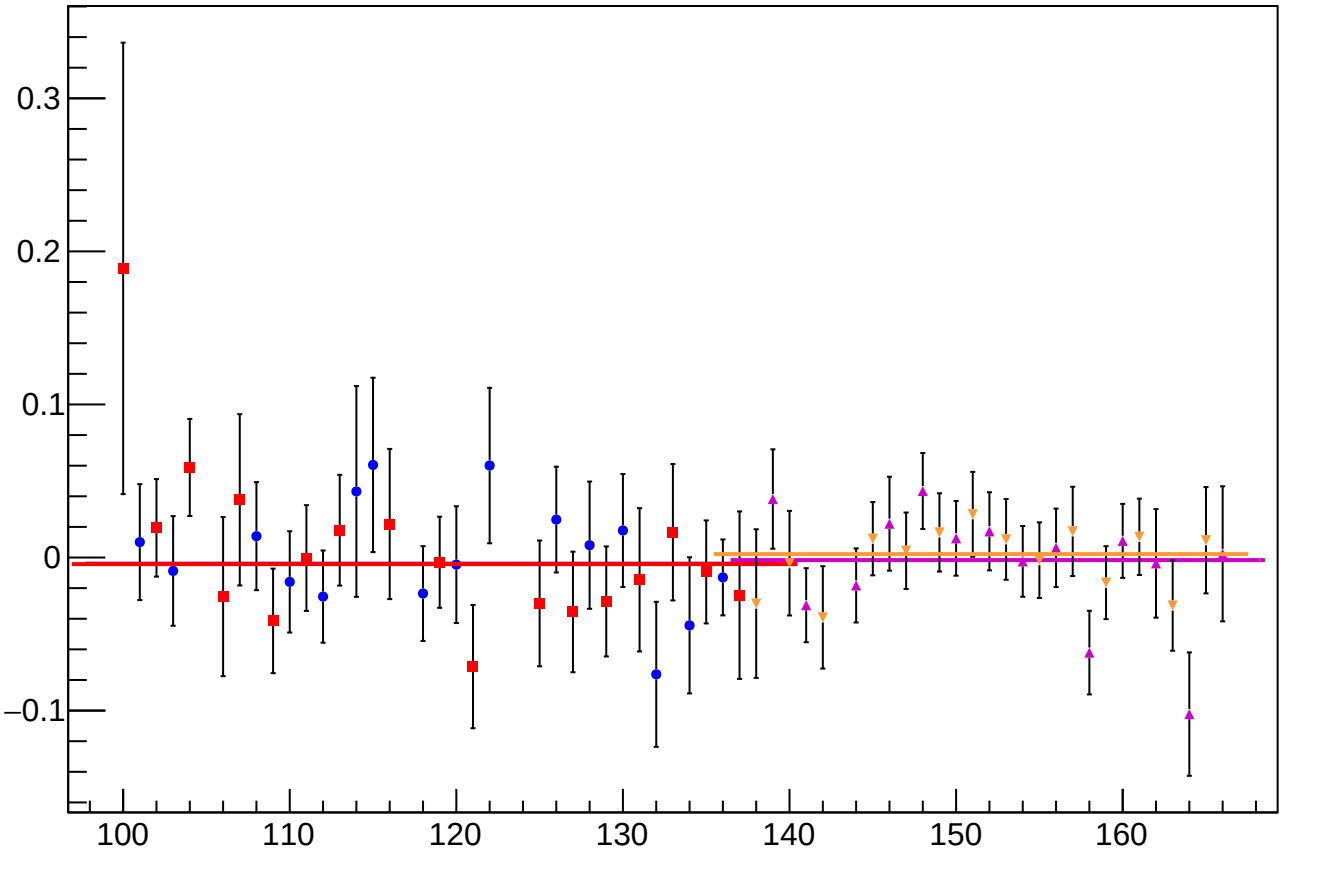
Left: 0.002+/-0.000 χ^2/NDF: 8994610.6/27

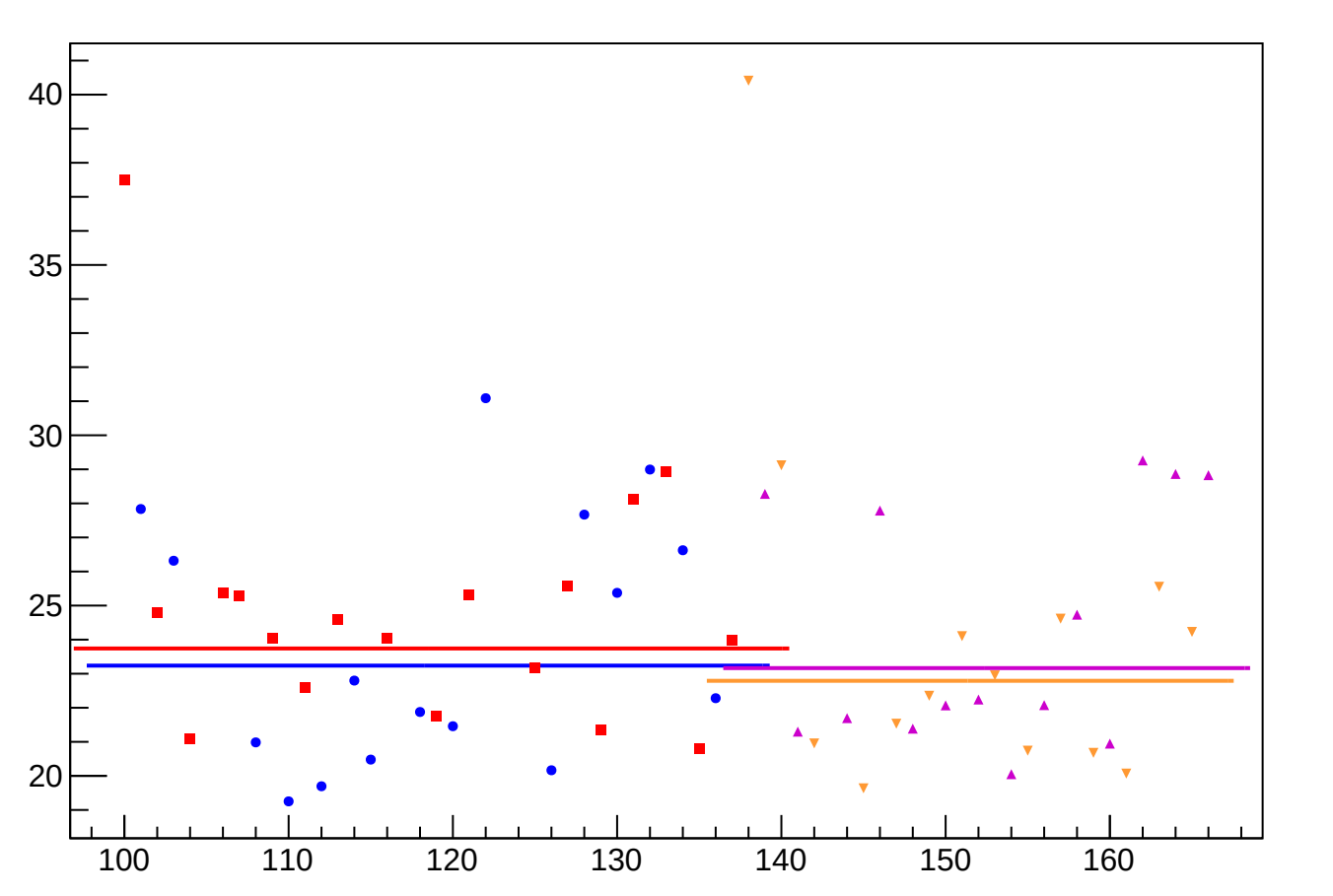
Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:9603023.4/29

Out: 0.001+/-0.000 χ^2/NDF:12833617.2/31

All: 0.001+/-0.000 χ^2/NDF: 23376439.8/61


asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.002+/-0.007 χ²/NDF:6.0/13
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.002+/-0.007 χ²/NDF:19.8/13
Left: 0.000+/-0.005 χ²/NDF: 25.9/27
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.003+/-0.006 χ²/NDF:29.0/29
Out: -0.000+/-0.006 χ²/NDF:19.8/31
All: -0.001+/-0.004 χ²/NDF: 48.8/61



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 22.792+/-0.005 χ^2/NDF:465064.3/13

Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.165+/-0.005 χ^2/NDF:326742.4/13

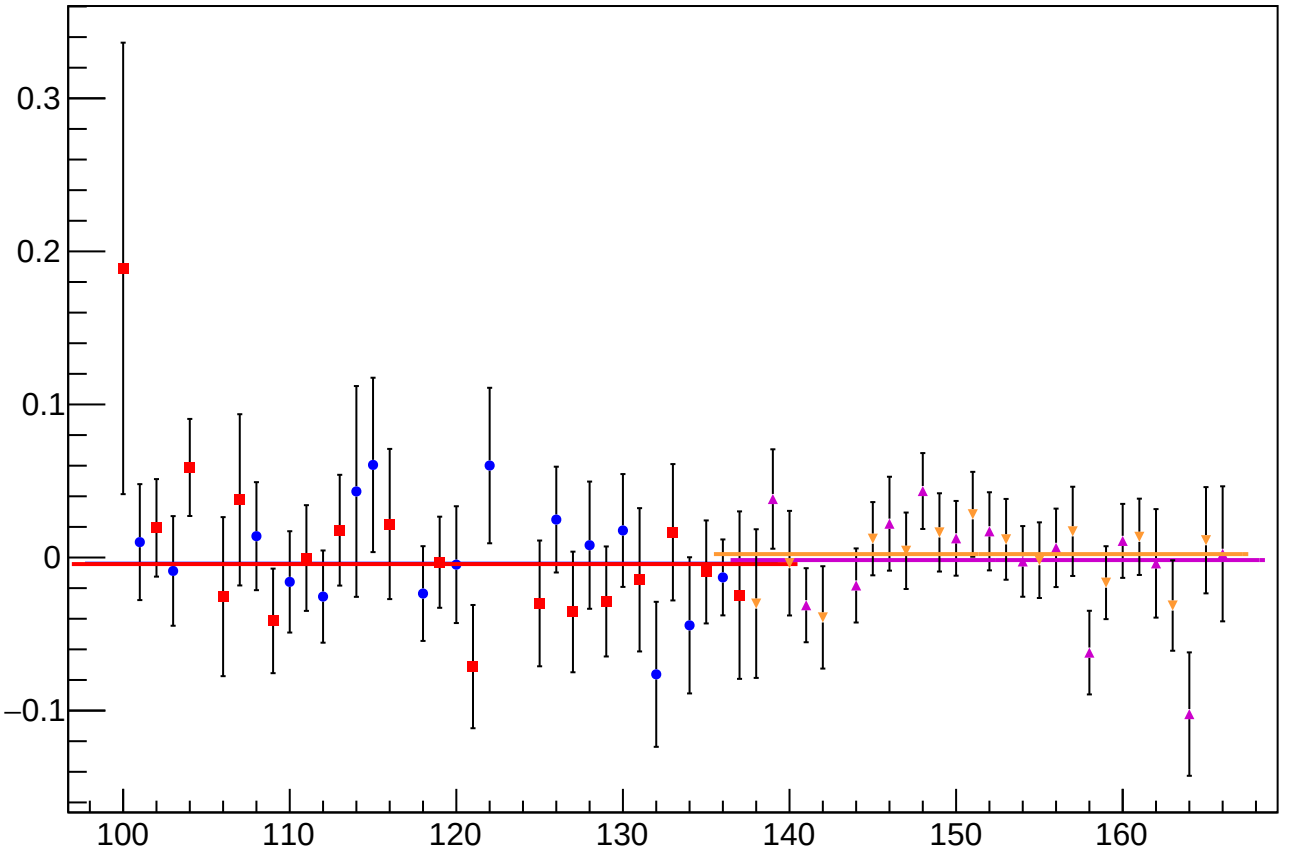
Left: 22.982+/-0.004 χ^2/NDF: 794351.8/27

Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.193+/-0.004 χ^2/NDF:586042.3/29

Out: 23.163+/-0.004 χ^2/NDF:603835.9/31

All: 23.178+/-0.003 χ^2/NDF: 1189905.1/61



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.007 χ^2/NDF:19.8/13

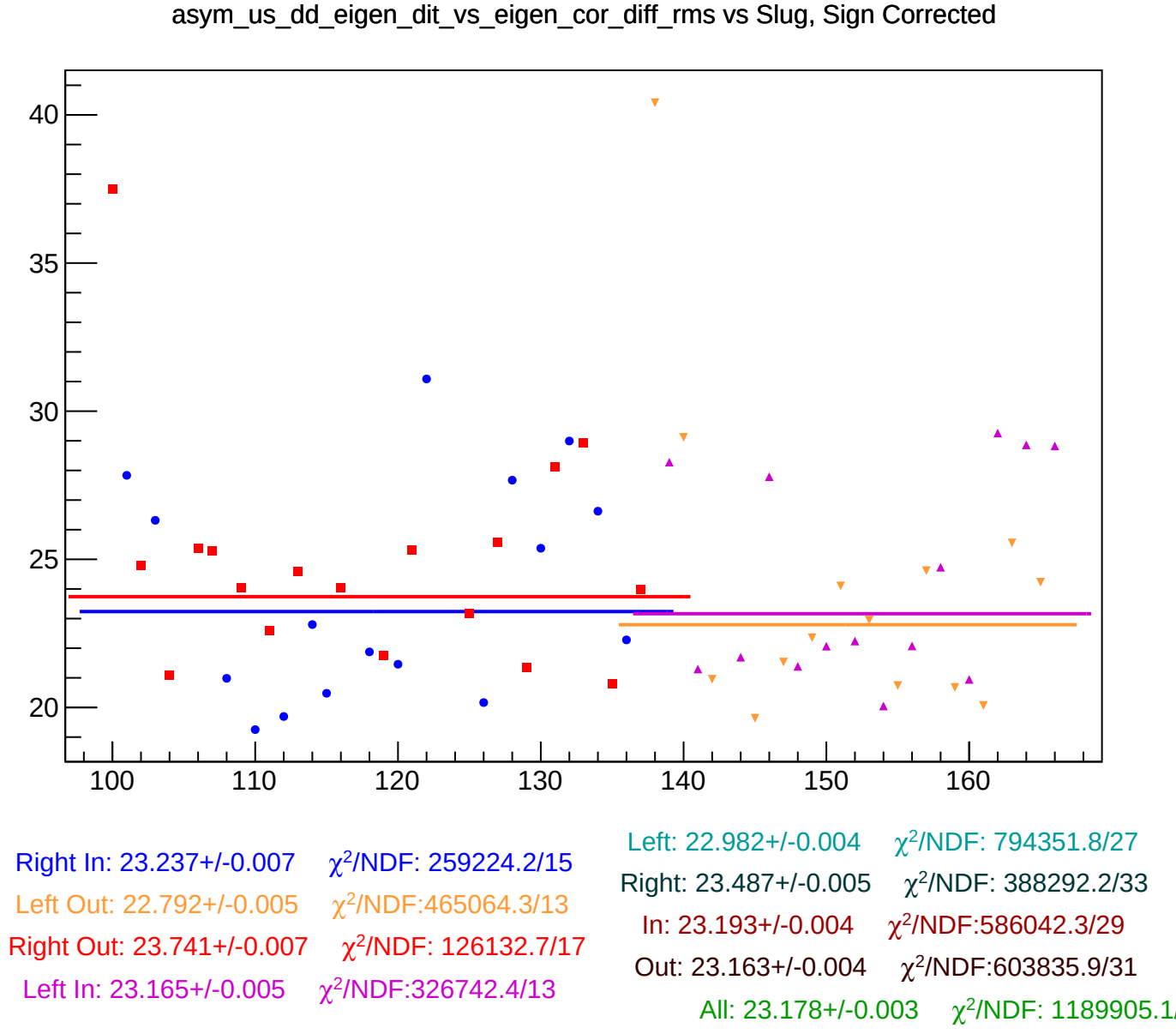
Left: 0.000+/-0.005 χ^2/NDF: 25.9/27

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

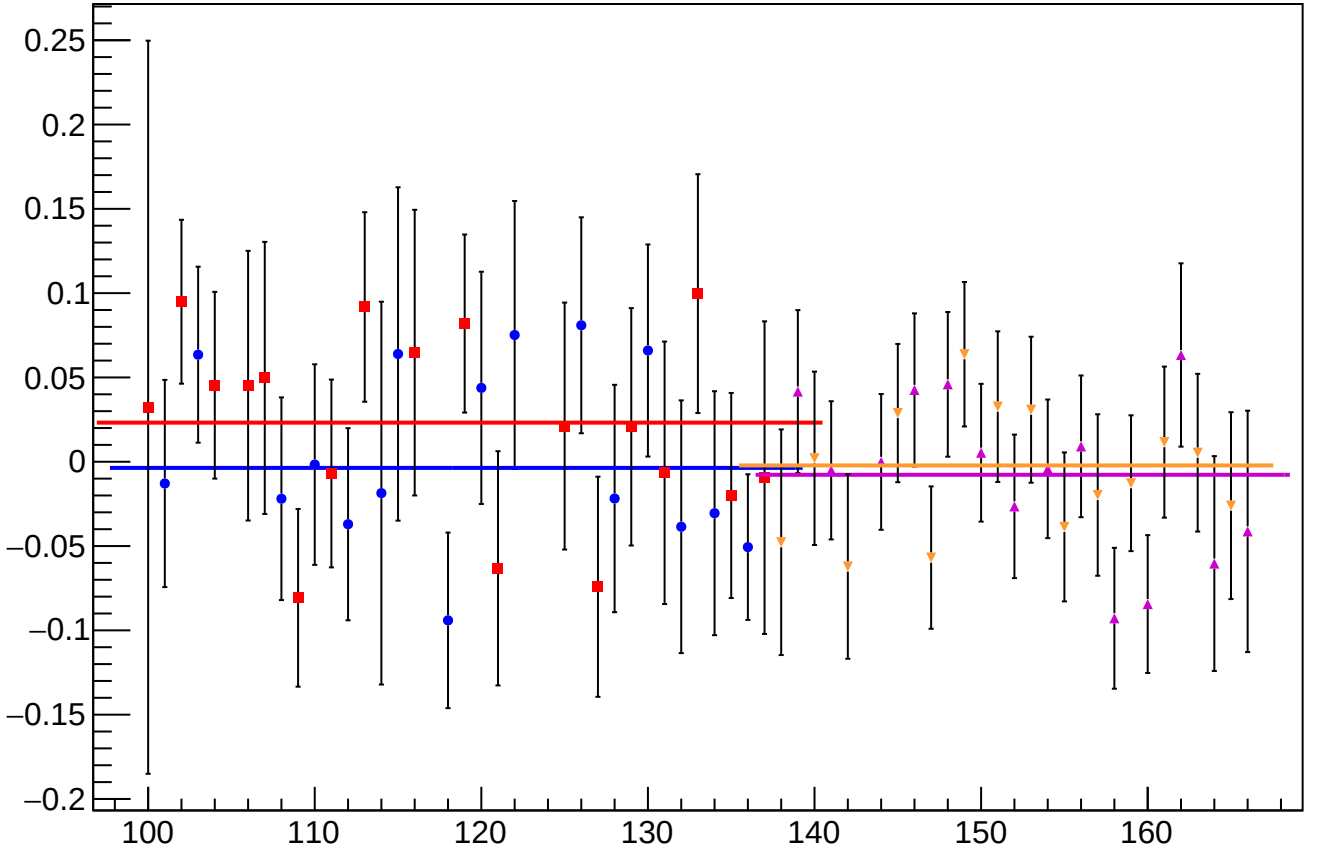
In: -0.003+/-0.006 χ^2/NDF:29.0/29

Out: -0.000+/-0.006 χ^2/NDF:19.8/31

All: -0.001+/-0.004 χ^2/NDF: 48.8/61


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 22.792+/-0.005 χ²/NDF:465064.3/13
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.165+/-0.005 χ²/NDF:326742.4/13
Left: 22.982+/-0.004 χ²/NDF: 794351.8/27
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.193+/-0.004 χ²/NDF:586042.3/29
Out: 23.163+/-0.004 χ²/NDF:603835.9/31
All: 23.178+/-0.003 χ²/NDF: 1189905.1/61

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.008+/-0.012 χ^2/NDF:14.6/13

Left: -0.005+/-0.009 χ^2/NDF: 23.4/27

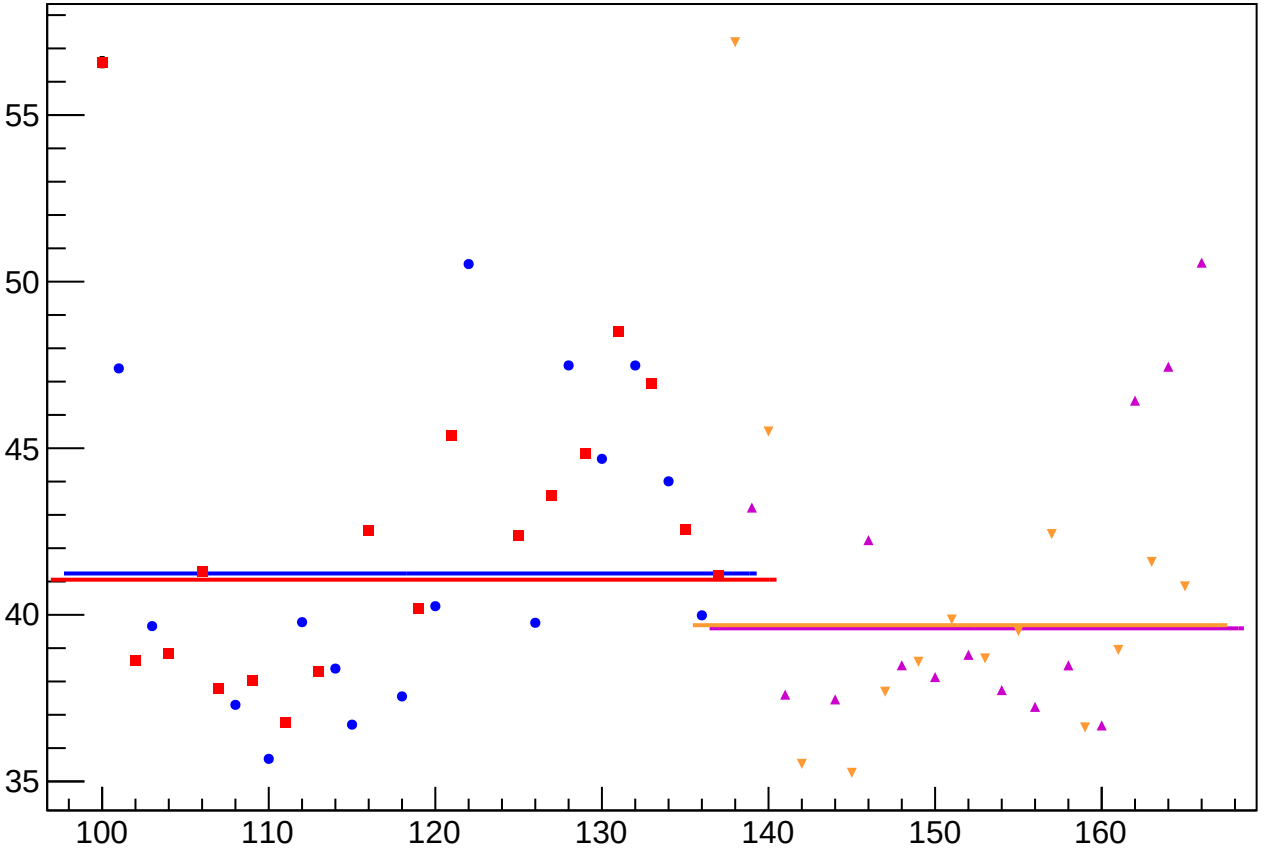
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.3/29

Out: 0.008+/-0.010 χ^2/NDF:25.7/31

All: 0.001+/-0.007 χ^2/NDF: 53.1/61

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 39.689+/-0.009 χ^2/NDF:227033.7/13

Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.595+/-0.008 χ^2/NDF:163915.8/13

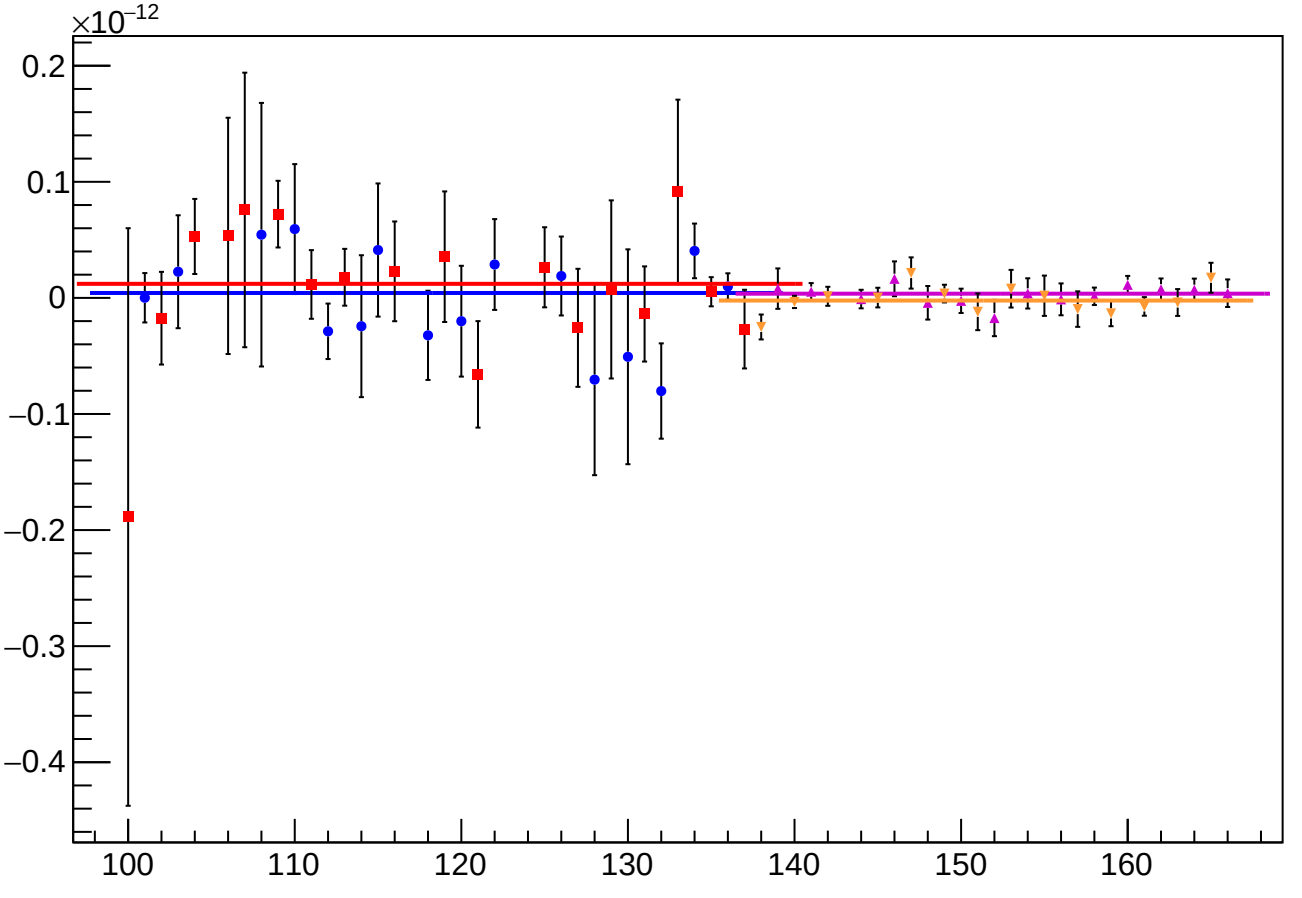
Left: 39.641+/-0.006 χ^2/NDF: 391009.5/27

Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 40.201+/-0.007 χ^2/NDF:313010.2/29

Out: 40.221+/-0.007 χ^2/NDF:333050.1/31

All: 40.211+/-0.005 χ^2/NDF: 646064.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:5.1/13

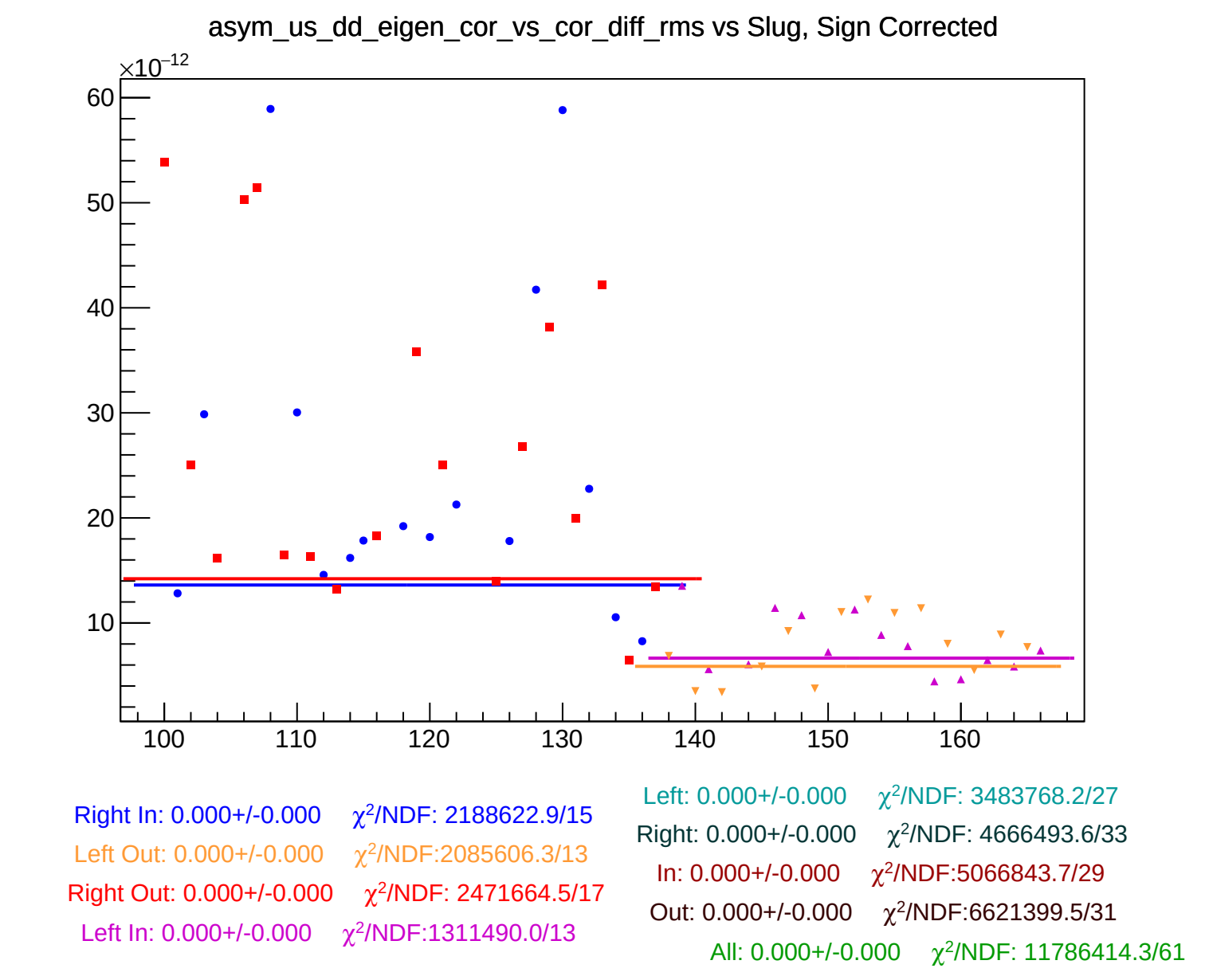
Left: 0.000+/-0.000 χ^2/NDF: 21.0/27

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

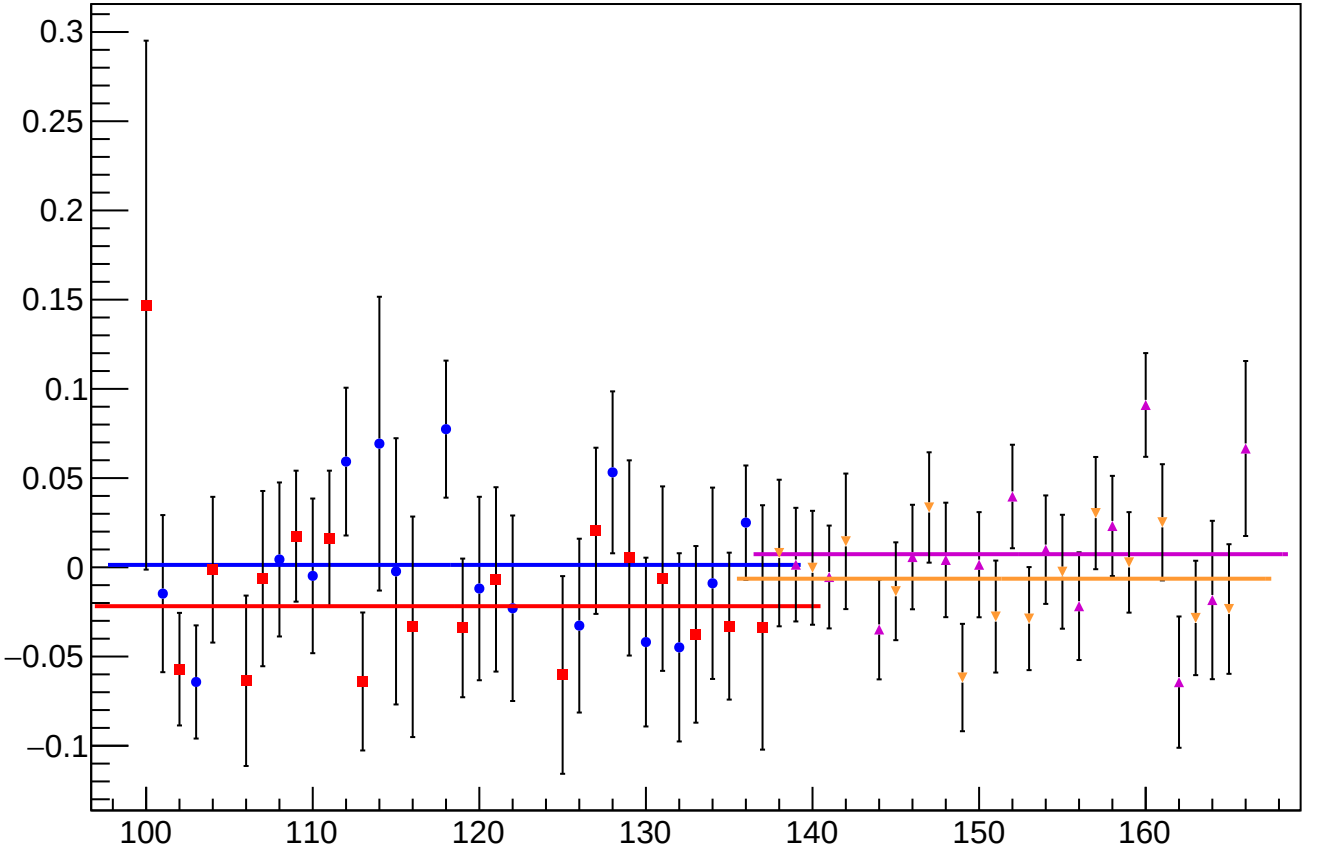
In: 0.000+/-0.000 χ^2/NDF:18.8/29

Out: -0.000+/-0.000 χ^2/NDF:31.0/31

All: 0.000+/-0.000 χ^2/NDF: 51.4/61


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2085606.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1311490.0/13
Left: 0.000+/-0.000 χ²/NDF: 3483768.2/27
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5066843.7/29
Out: 0.000+/-0.000 χ²/NDF:6621399.5/31
All: 0.000+/-0.000 χ²/NDF: 11786414.3/61

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.006+/-0.008 χ^2/NDF:9.8/13

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.008 χ^2/NDF:18.9/13

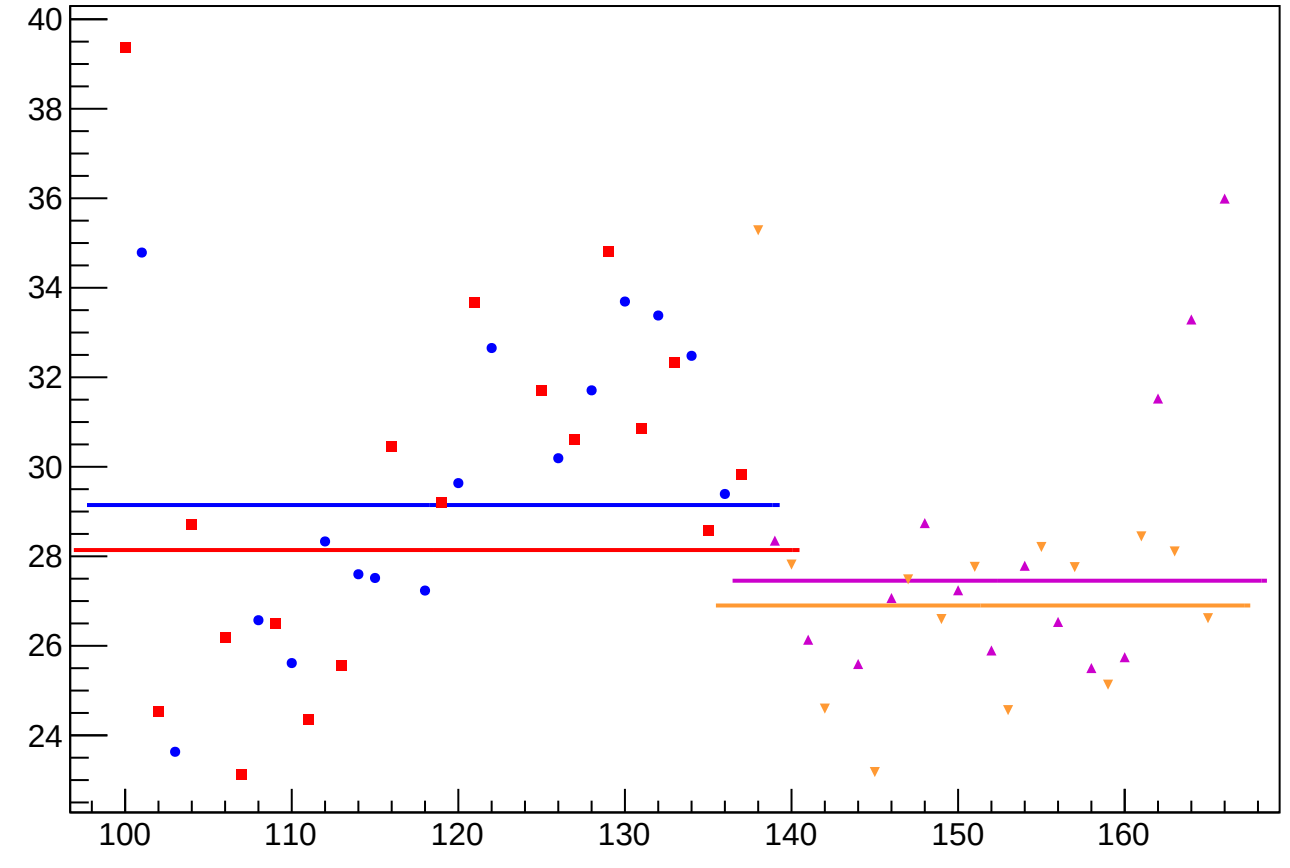
Left: 0.001+/-0.006 χ^2/NDF: 30.0/27

Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:34.4/29

Out: -0.012+/-0.007 χ^2/NDF:20.1/31

All: -0.004+/-0.005 χ^2/NDF: 57.8/61



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.901+/-0.006 χ^2/NDF:164910.0/13

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.455+/-0.006 χ^2/NDF:162470.2/13

Left: 27.181+/-0.004 χ^2/NDF: 331693.3/27

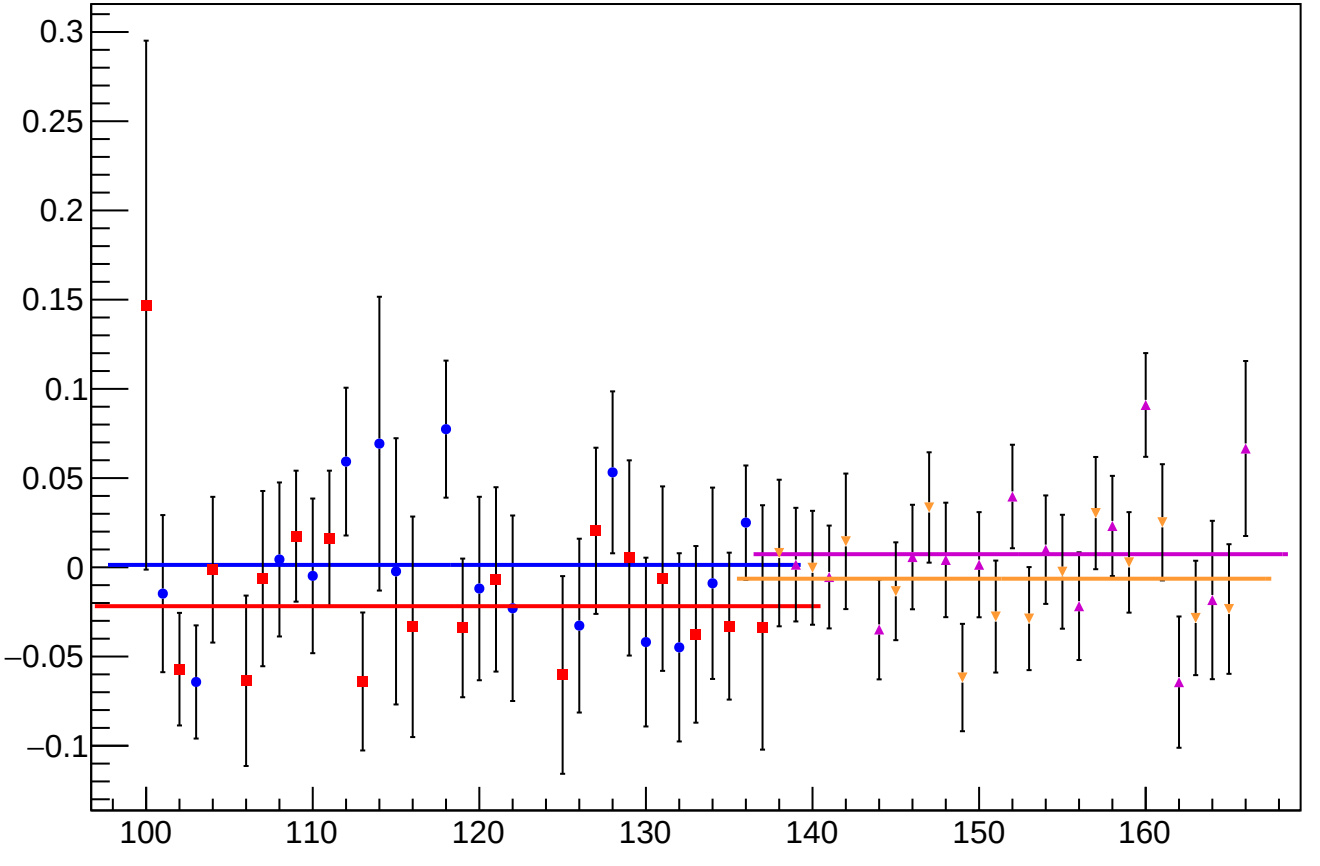
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.061+/-0.005 χ^2/NDF:368540.4/29

Out: 27.375+/-0.005 χ^2/NDF:368330.3/31

All: 27.716+/-0.003 χ^2/NDF: 747378.2/61

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.006+/-0.008 χ^2/NDF:9.8/13

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.008 χ^2/NDF:18.9/13

Left: 0.001+/-0.006 χ^2/NDF: 30.0/27

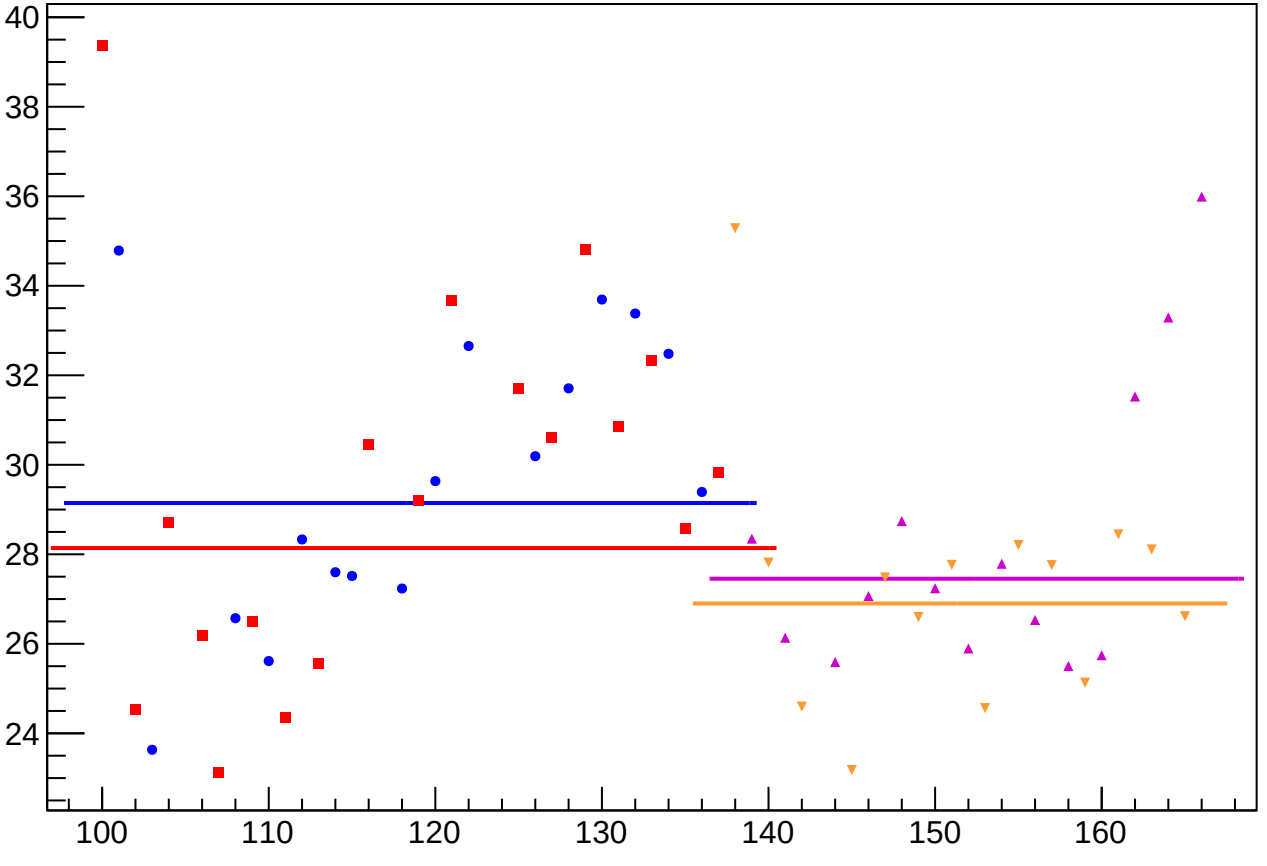
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:34.4/29

Out: -0.012+/-0.007 χ^2/NDF:20.1/31

All: -0.004+/-0.005 χ^2/NDF: 57.8/61

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.901+/-0.006 χ^2/NDF:164910.0/13

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.455+/-0.006 χ^2/NDF:162470.2/13

Left: 27.181+/-0.004 χ^2/NDF: 331693.3/27

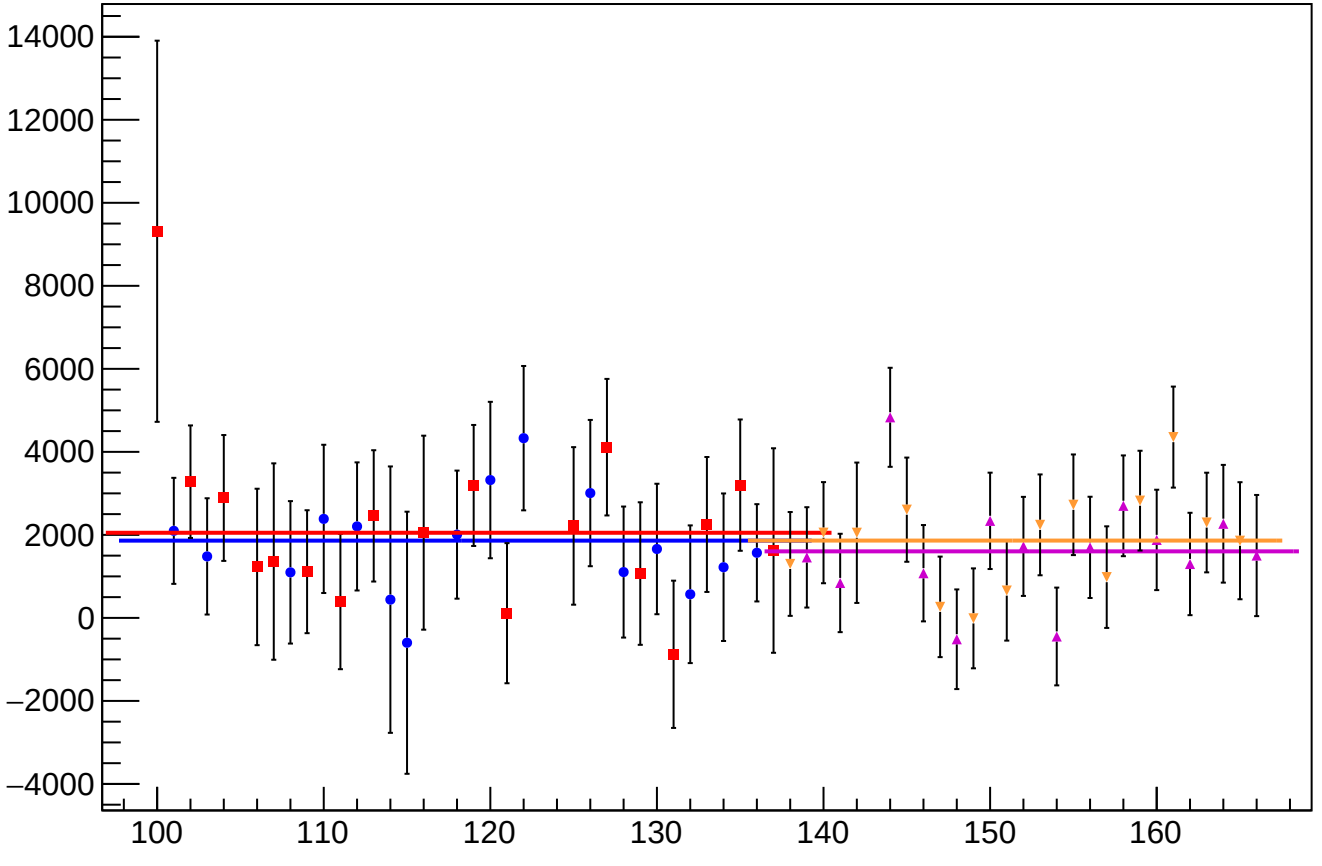
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.061+/-0.005 χ^2/NDF:368540.4/29

Out: 27.375+/-0.005 χ^2/NDF:368330.3/31

All: 27.716+/-0.003 χ^2/NDF: 747378.2/61

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1730.058+/-233.707 χ^2/NDF: 27.8/27

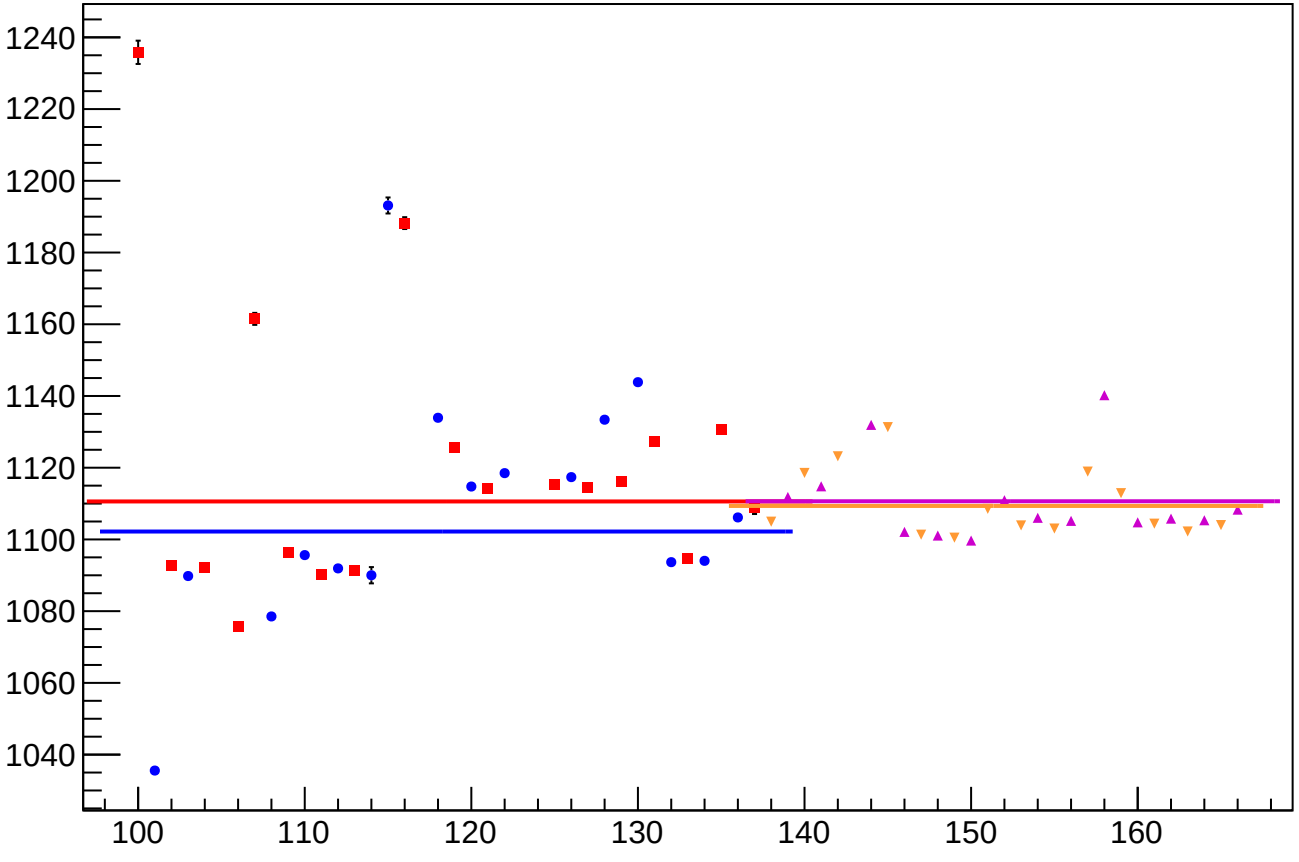
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1819.311+/-181.842 χ^2/NDF: 46.2/61

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

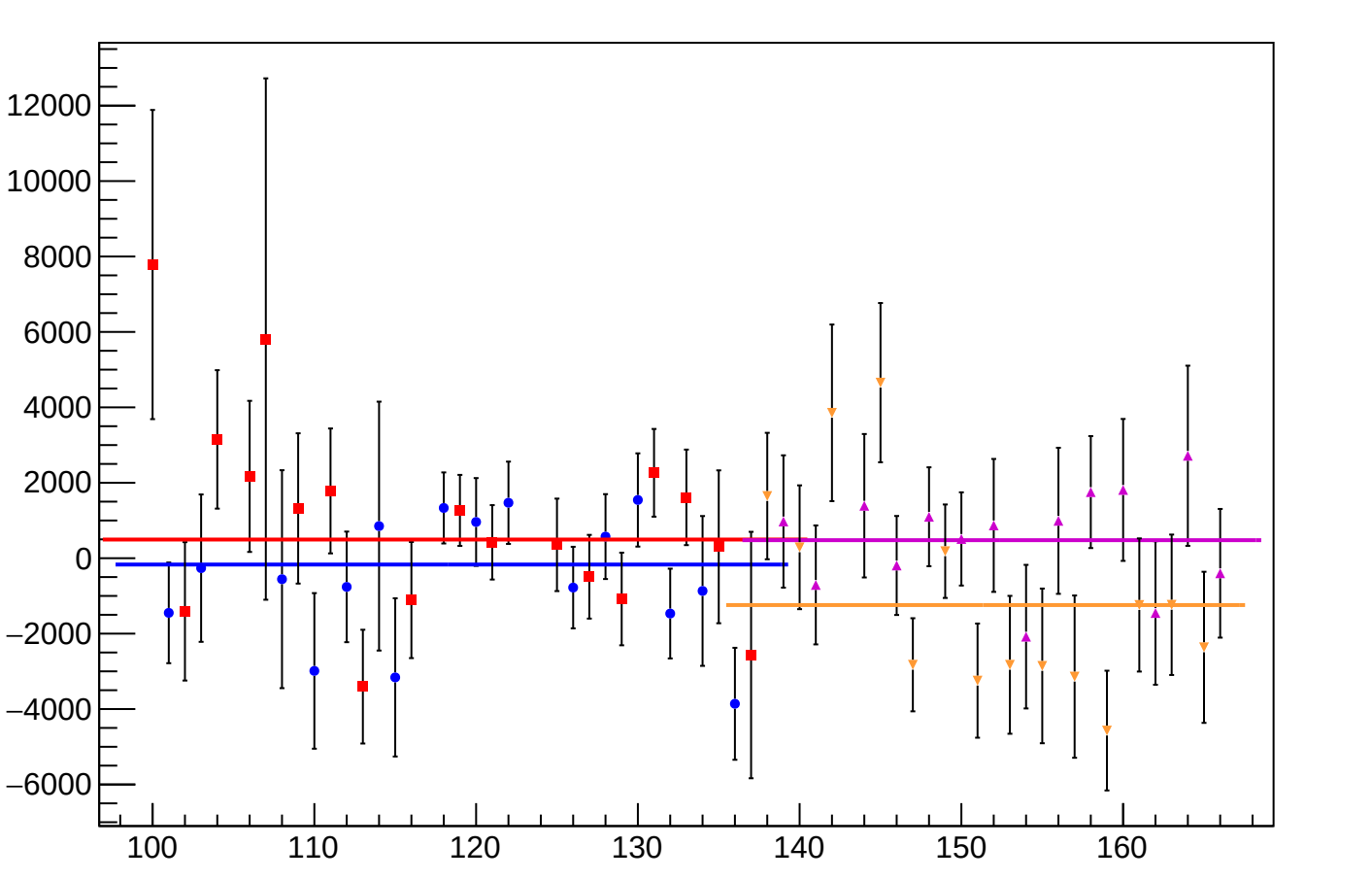
Left: 1110.006+/-0.165 χ^2/NDF: 3911.6/27

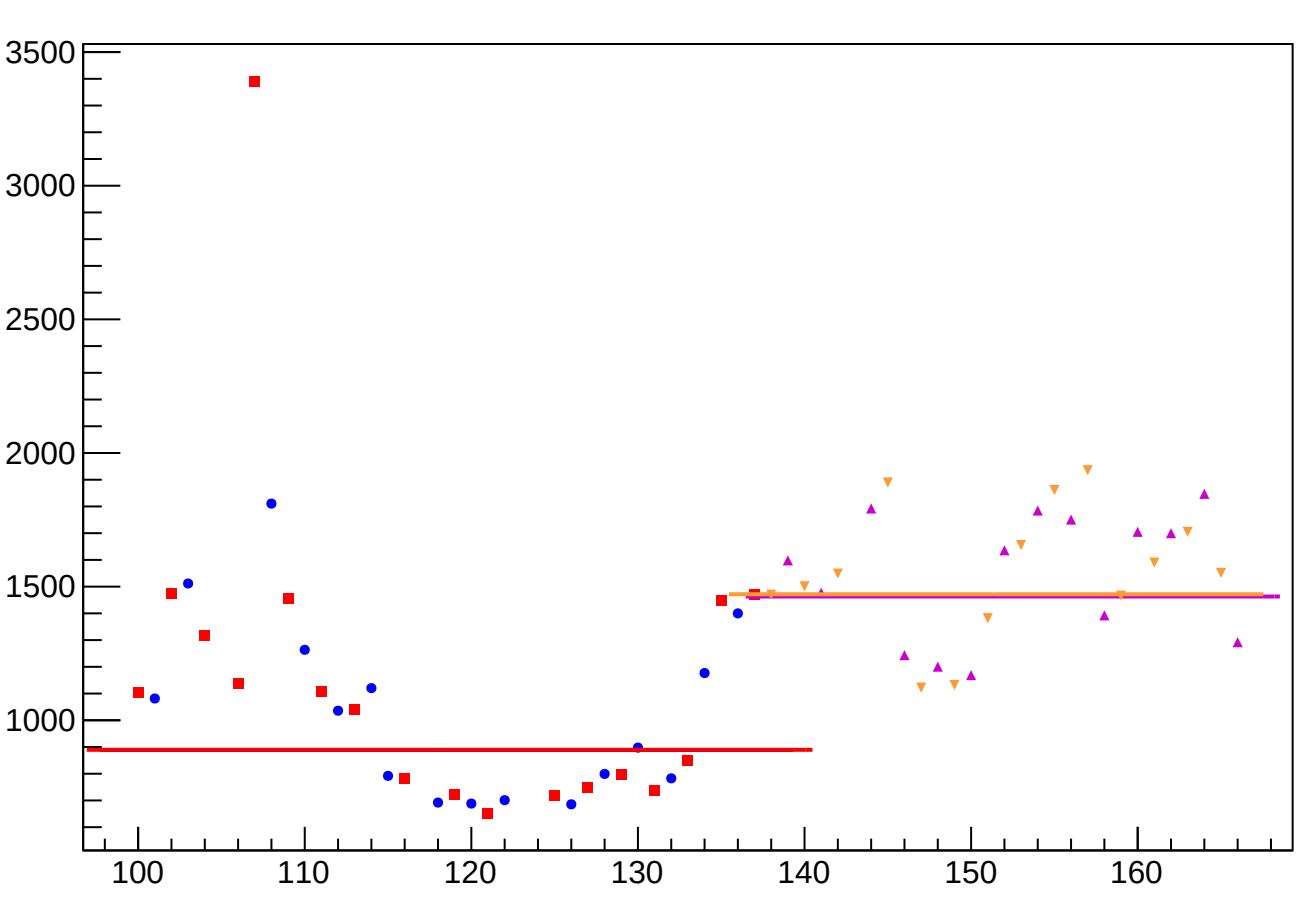
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.584+/-0.129 χ^2/NDF: 23564.1/61


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1241.880+/-452.381 χ²/NDF:28.0/13
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 478.115+/-437.832 χ²/NDF:6.7/13
Left: -353.780+/-314.612 χ²/NDF: 42.1/27
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.958+/-271.196 χ²/NDF:29.1/29
Out: -143.723+/-274.355 χ²/NDF:60.6/31
All: -30.588+/-192.872 χ²/NDF: 90.0/61



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

Left: 1467.154+/-0.222 χ^2/NDF: 1210631.5/27

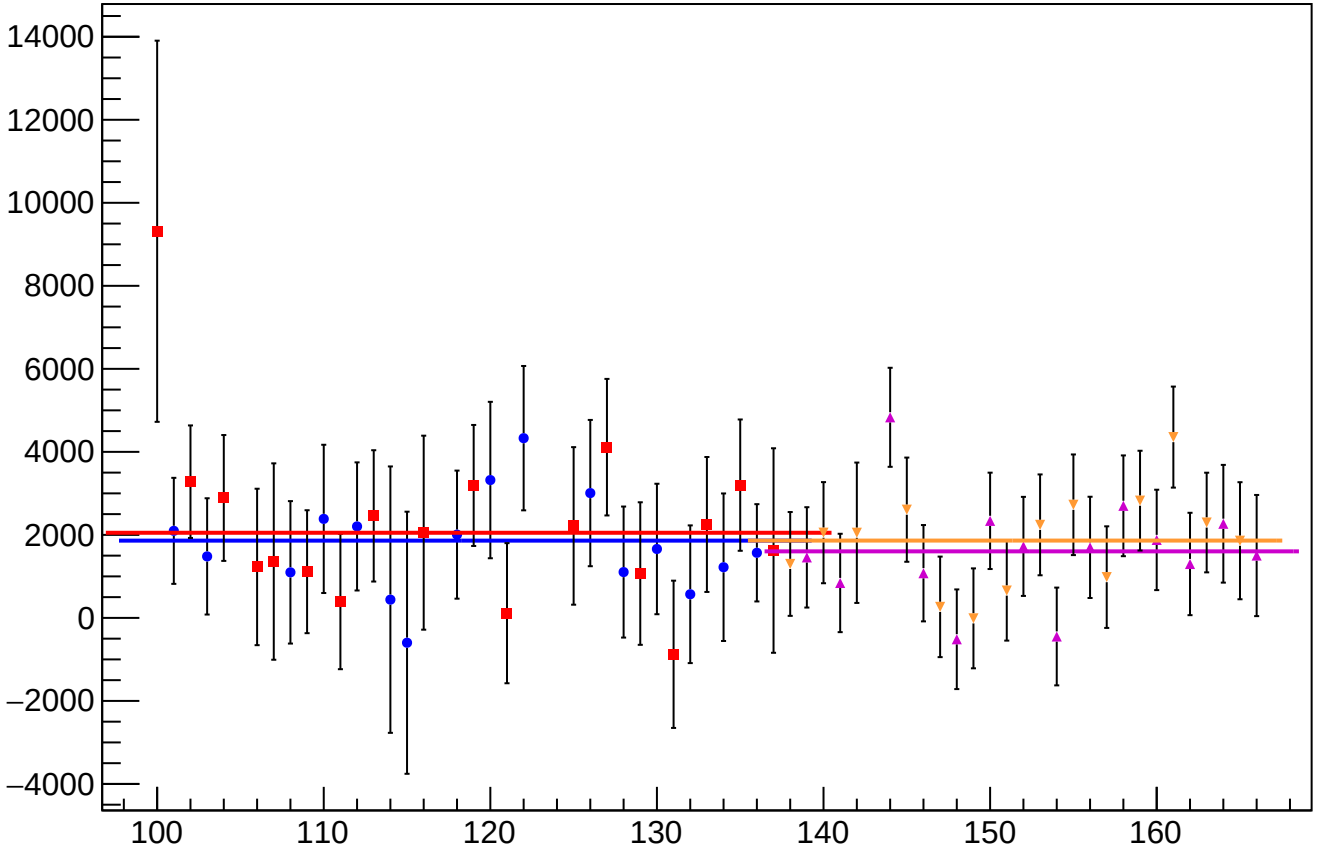
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1106.421+/-0.136 χ^2/NDF: 7901710.0/61

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1730.058+/-233.707 χ^2/NDF: 27.8/27

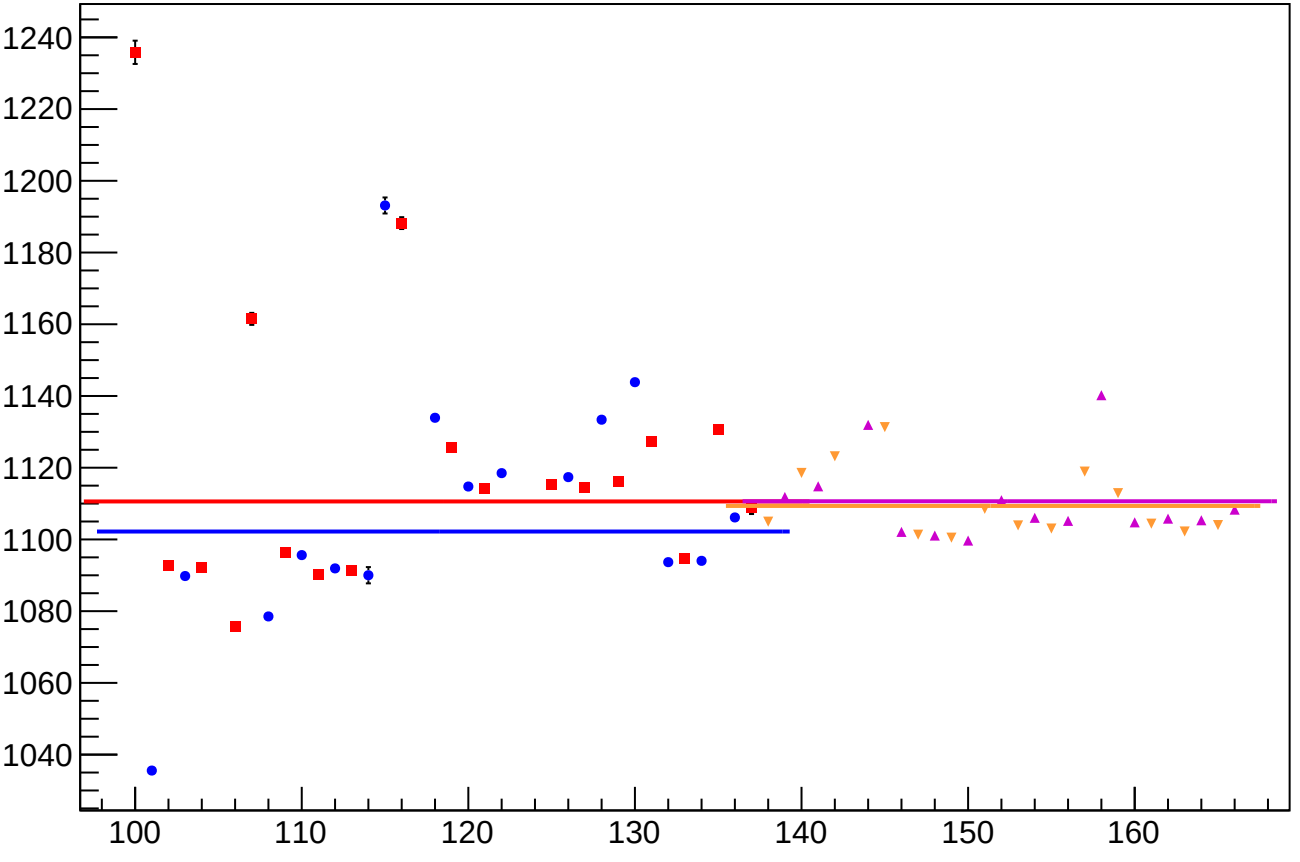
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1819.311+/-181.842 χ^2/NDF: 46.2/61

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

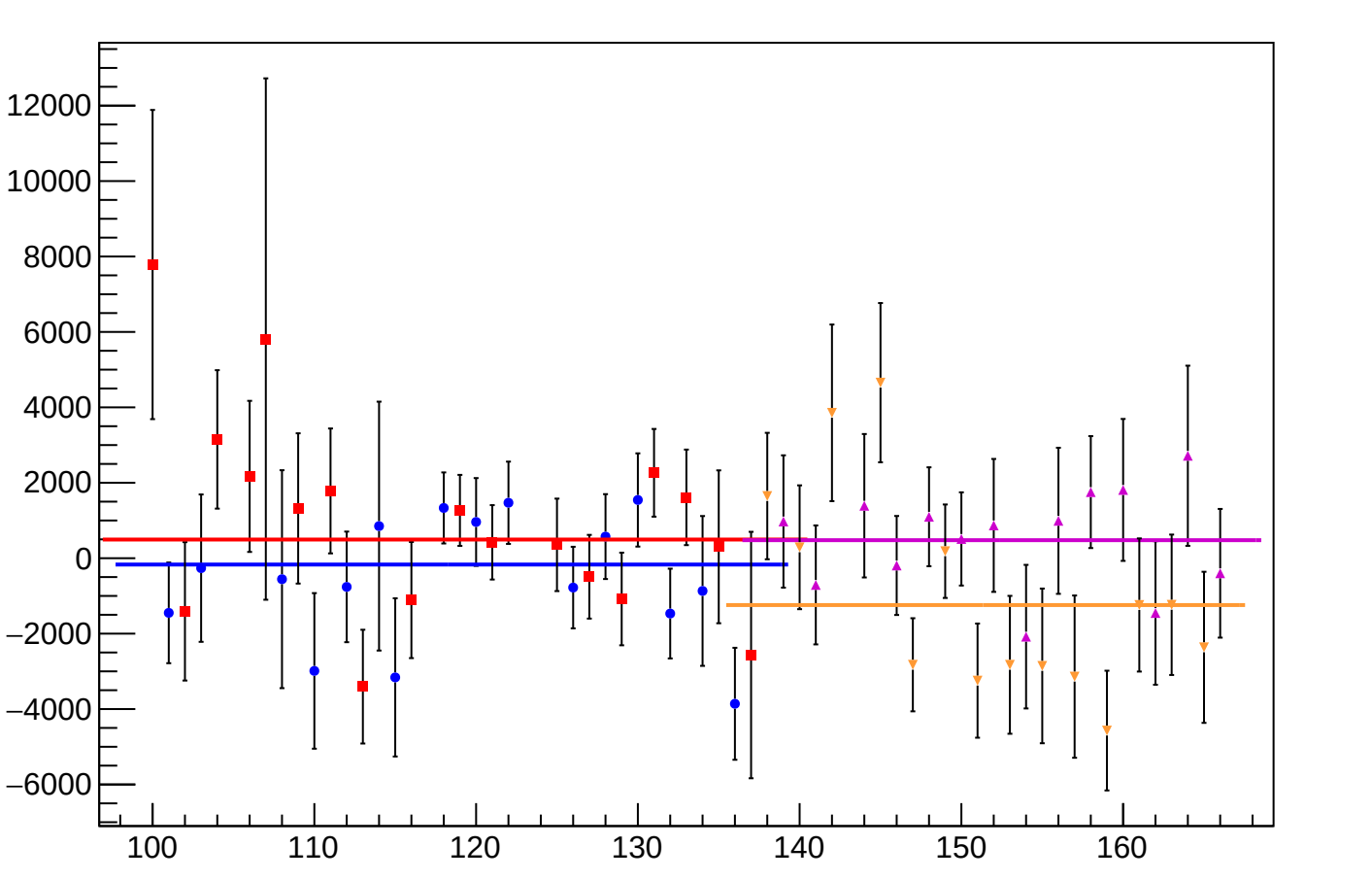
Left: 1110.006+/-0.165 χ^2/NDF: 3911.6/27

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

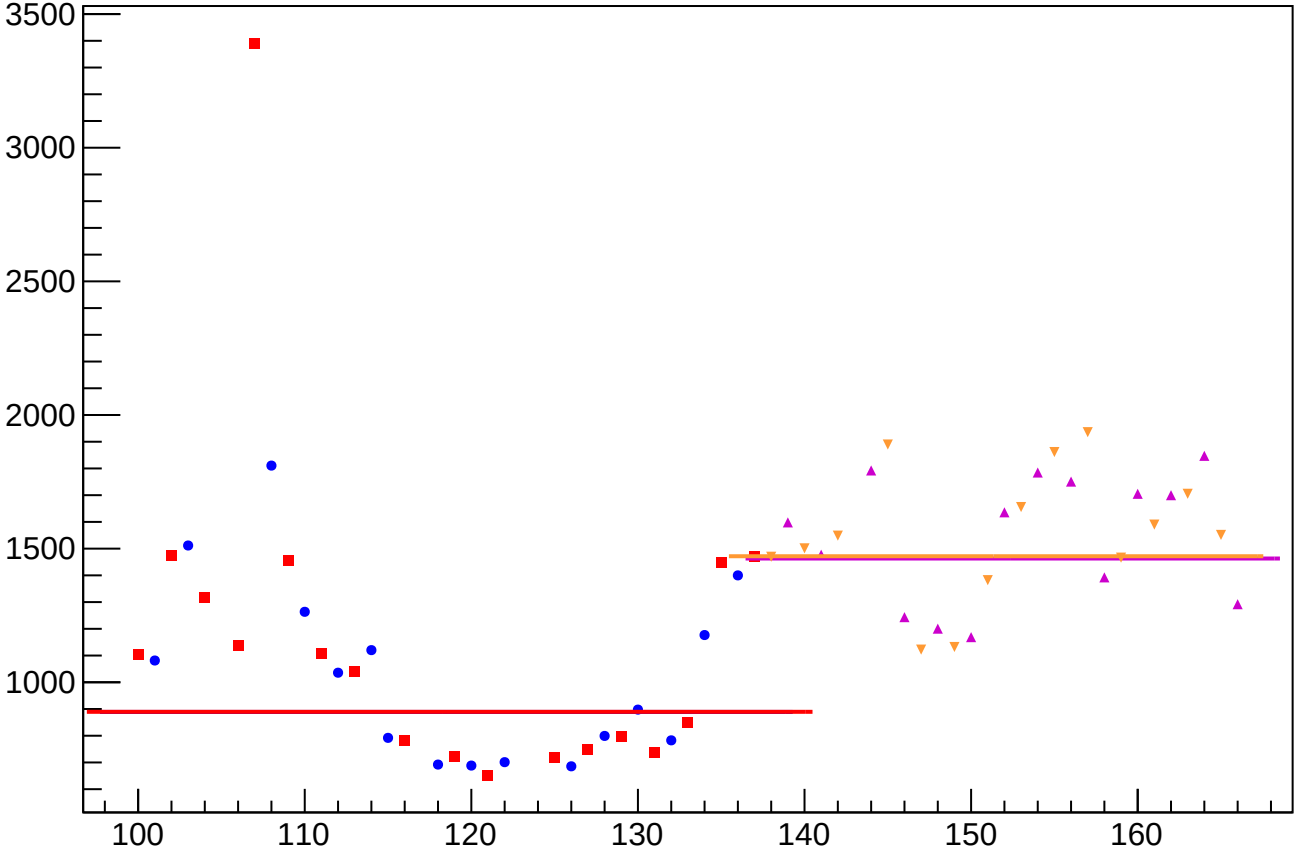
In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.584+/-0.129 χ^2/NDF: 23564.1/61


asym_usl_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1241.880+/-452.381 χ²/NDF:28.0/13
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 478.115+/-437.832 χ²/NDF:6.7/13
Left: -353.780+/-314.612 χ²/NDF: 42.1/27
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.958+/-271.196 χ²/NDF:29.1/29
Out: -143.723+/-274.355 χ²/NDF:60.6/31
All: -30.588+/-192.872 χ²/NDF: 90.0/61

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

Left: 1467.154+/-0.222 χ^2/NDF: 1210631.5/27

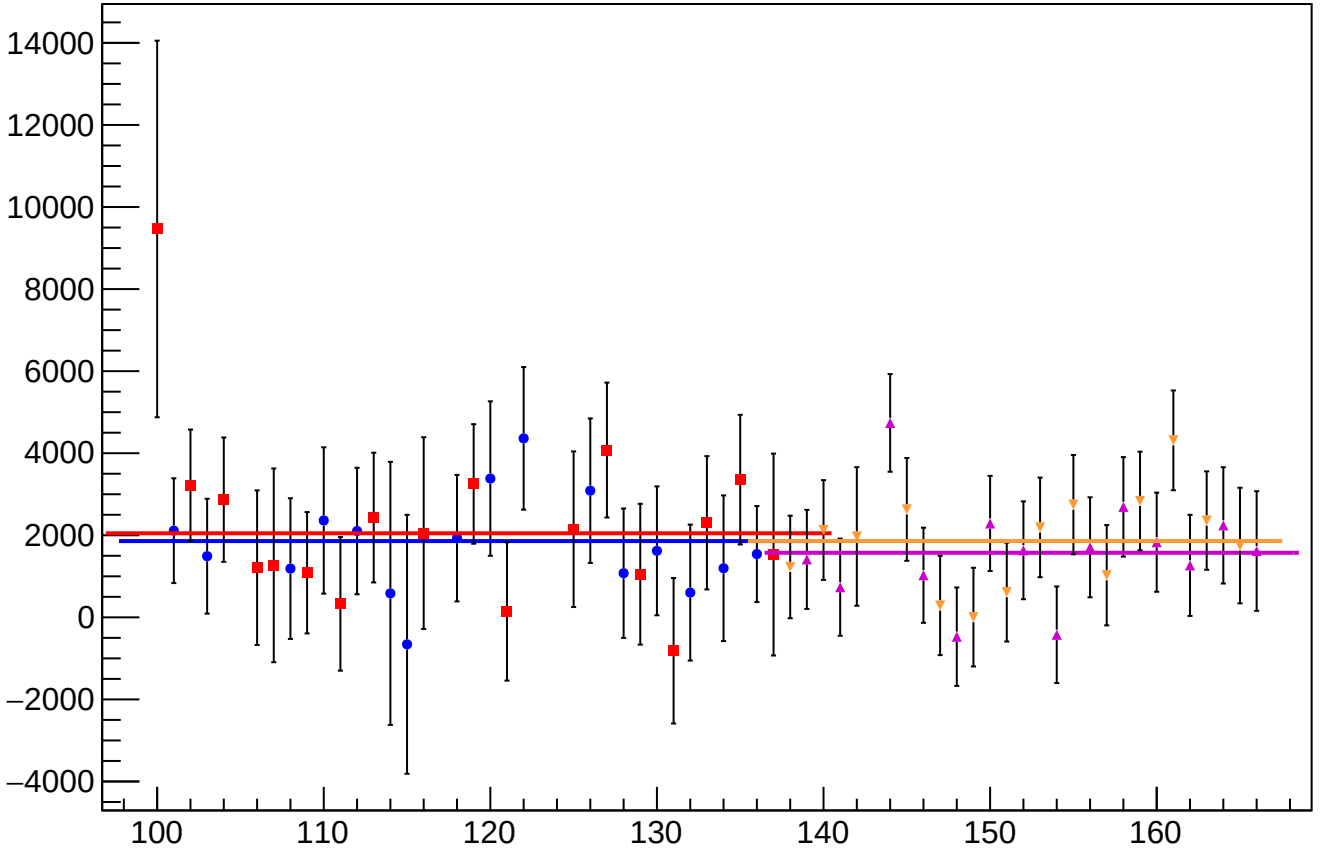
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1106.421+/-0.136 χ^2/NDF: 7901710.0/61

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1859.453+/-333.949 χ^2/NDF:11.8/13

Right Out: 2048.674+/-408.894 χ^2/NDF: 12.7/17

Left In: 1573.965+/-326.521 χ^2/NDF:15.2/13

Left: 1713.499+/-233.467 χ^2/NDF: 27.4/27

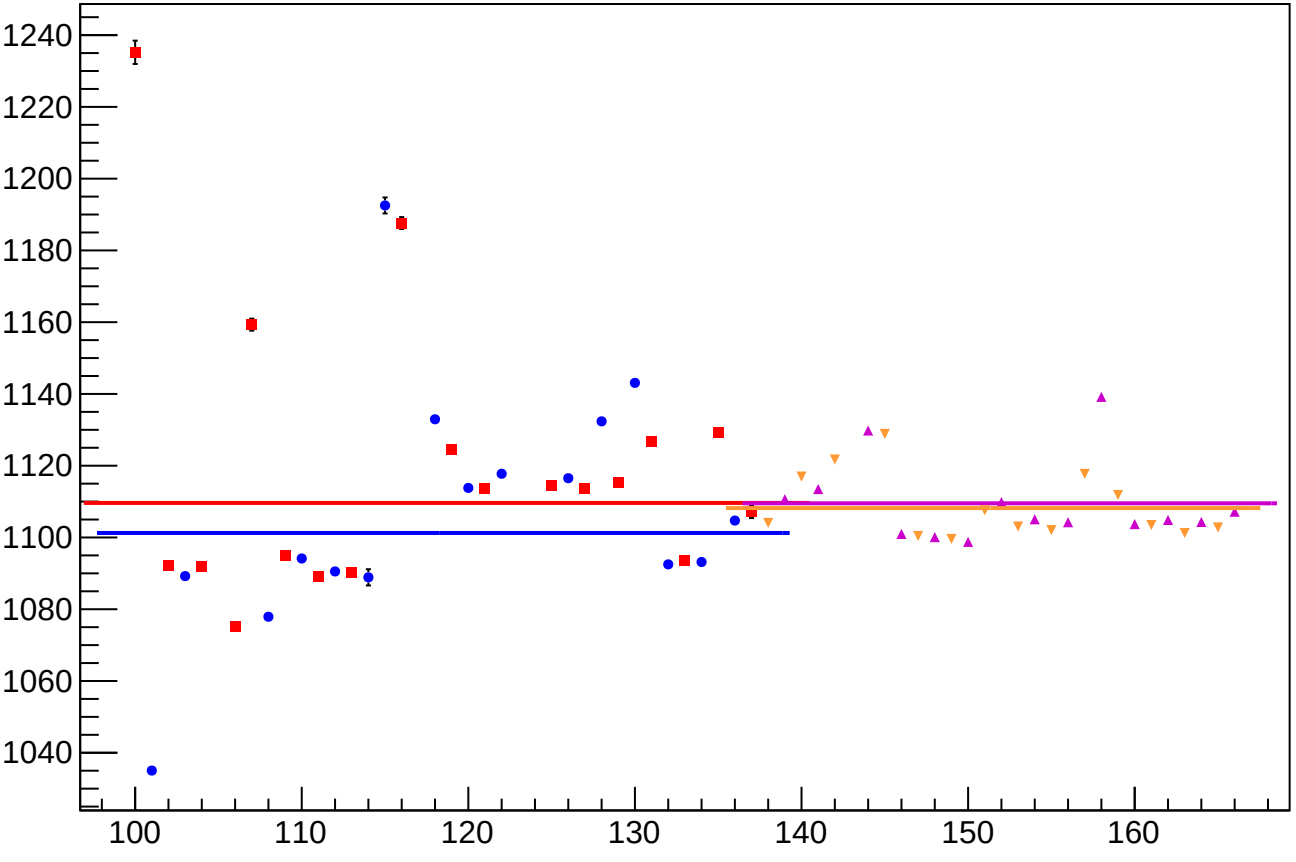
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1684.737+/-255.218 χ^2/NDF:20.9/29

Out: 1935.166+/-258.648 χ^2/NDF:24.7/31

All: 1808.280+/-181.667 χ^2/NDF: 46.1/61

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1108.191+/-0.236 χ^2/NDF:1339.5/13

Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1109.519+/-0.231 χ^2/NDF:2377.9/13

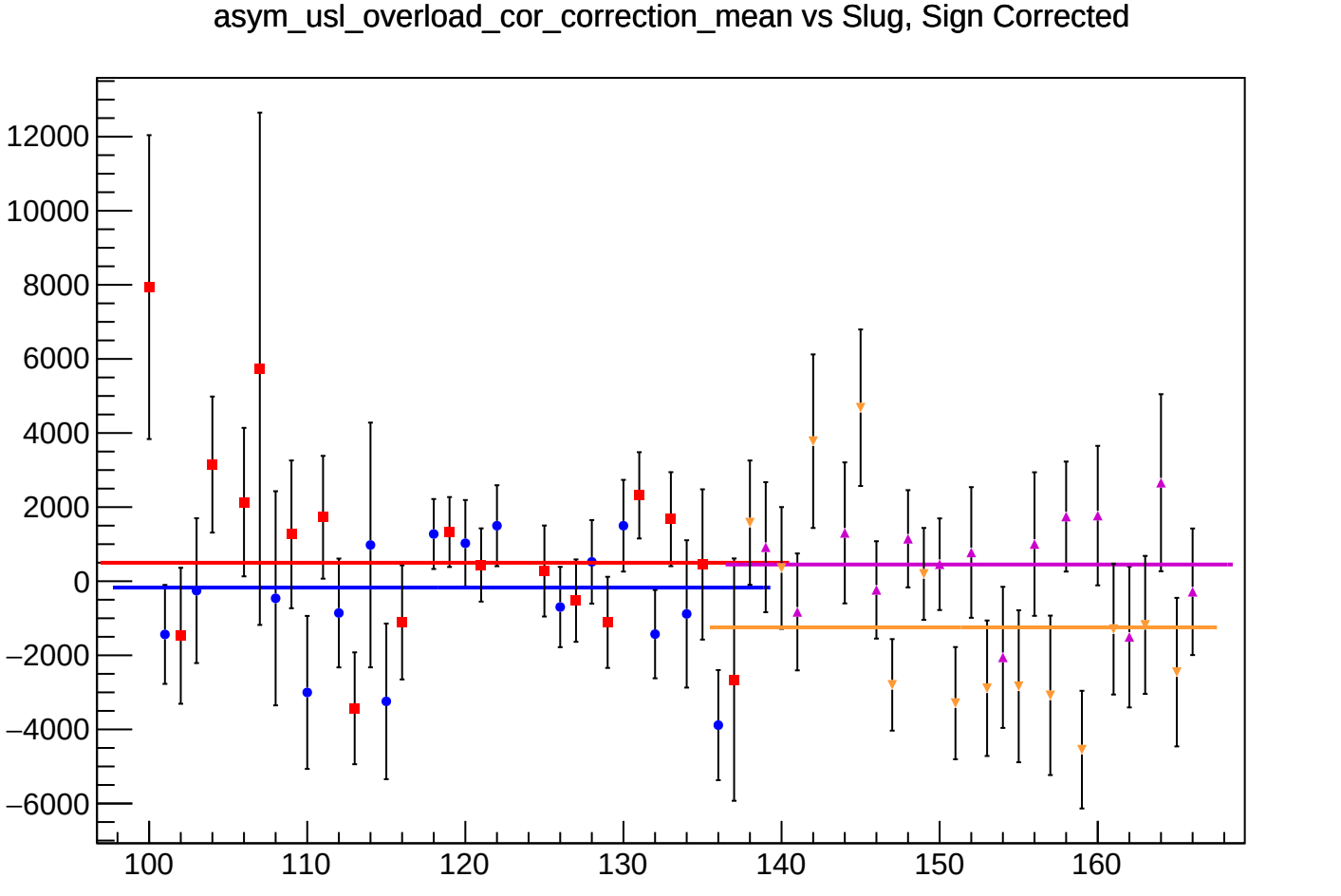
Left: 1108.870+/-0.165 χ^2/NDF: 3733.5/27

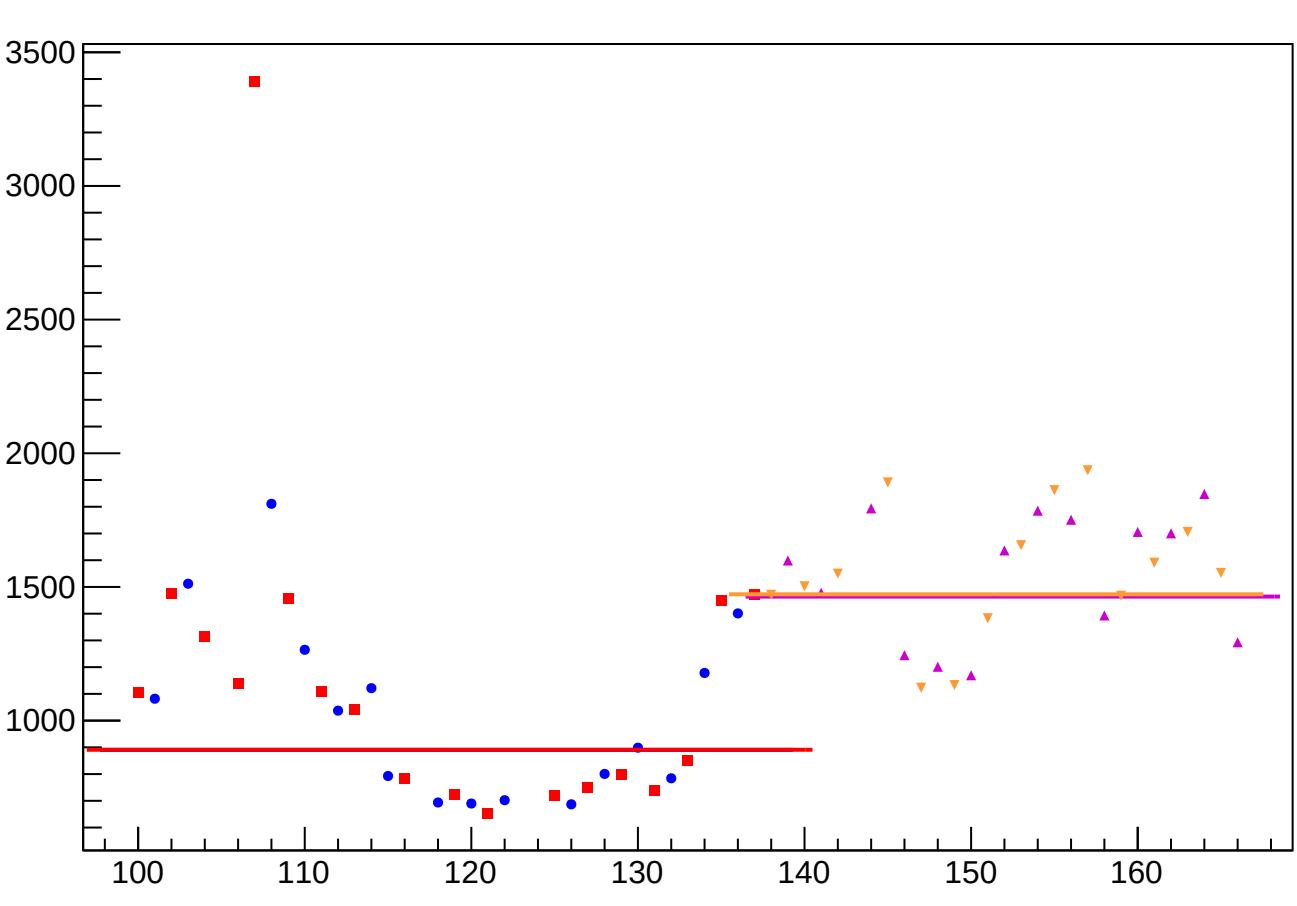
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1106.304+/-0.180 χ^2/NDF:14184.6/29

Out: 1108.766+/-0.183 χ^2/NDF:9027.4/31

All: 1107.519+/-0.128 χ^2/NDF: 23303.9/61


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1245.031+/-452.651 χ²/NDF:27.9/13
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 450.764+/-438.097 χ²/NDF:6.7/13
Left: -369.433+/-314.801 χ²/NDF: 41.8/27
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: 67.872+/-271.520 χ²/NDF:28.8/29
Out: -143.838+/-274.672 χ²/NDF:61.1/31
All: -36.761+/-193.098 χ²/NDF: 90.3/61



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1472.475+/-0.320 χ^2/NDF:626973.3/13

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1463.959+/-0.310 χ^2/NDF:581333.7/13

Left: 1468.078+/-0.223 χ^2/NDF: 1208672.5/27

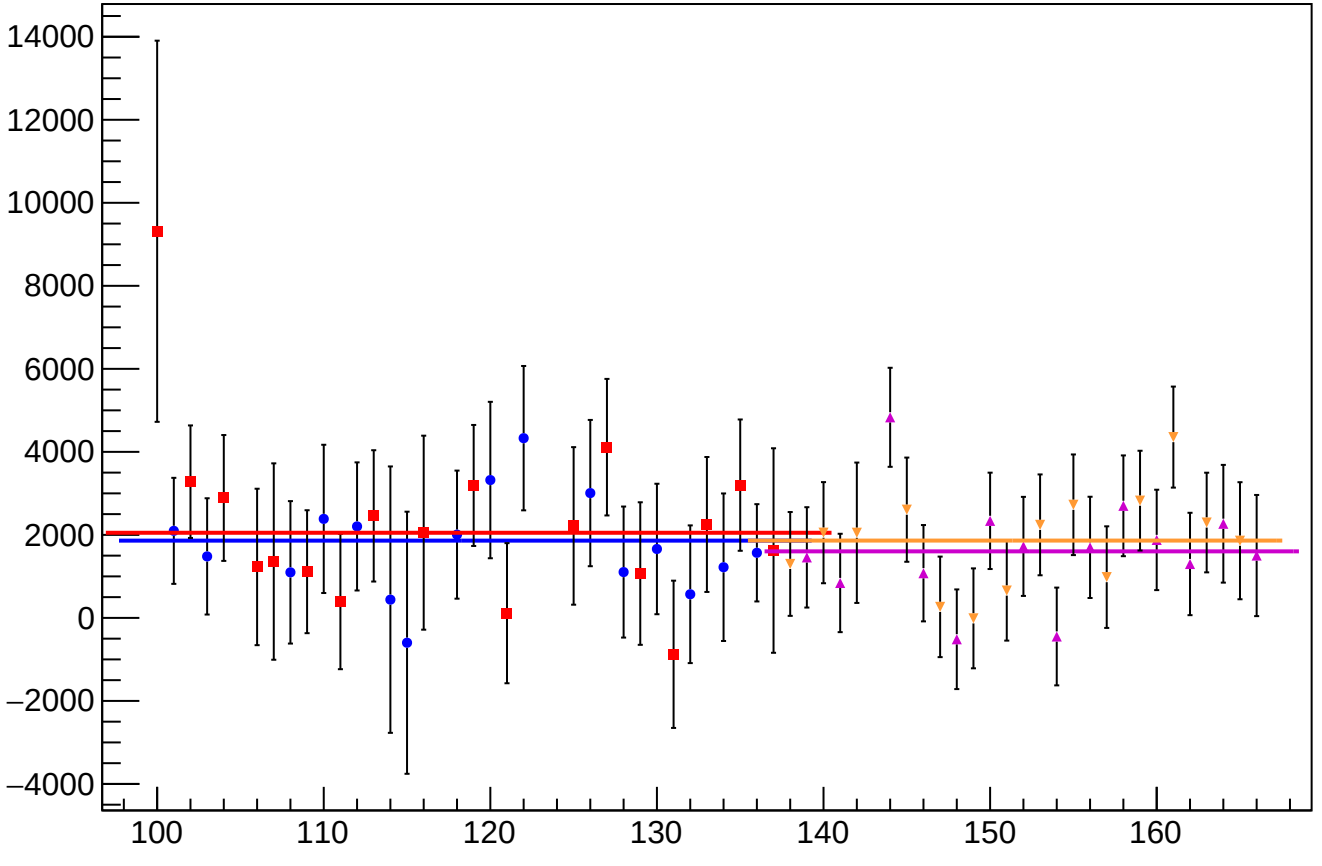
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1110.771+/-0.192 χ^2/NDF:3820654.0/29

Out: 1105.069+/-0.194 χ^2/NDF:4054352.7/31

All: 1107.953+/-0.137 χ^2/NDF: 7875442.6/61

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1603.100+/-326.854 χ^2/NDF:15.7/13

Left: 1730.058+/-233.707 χ^2/NDF: 27.8/27

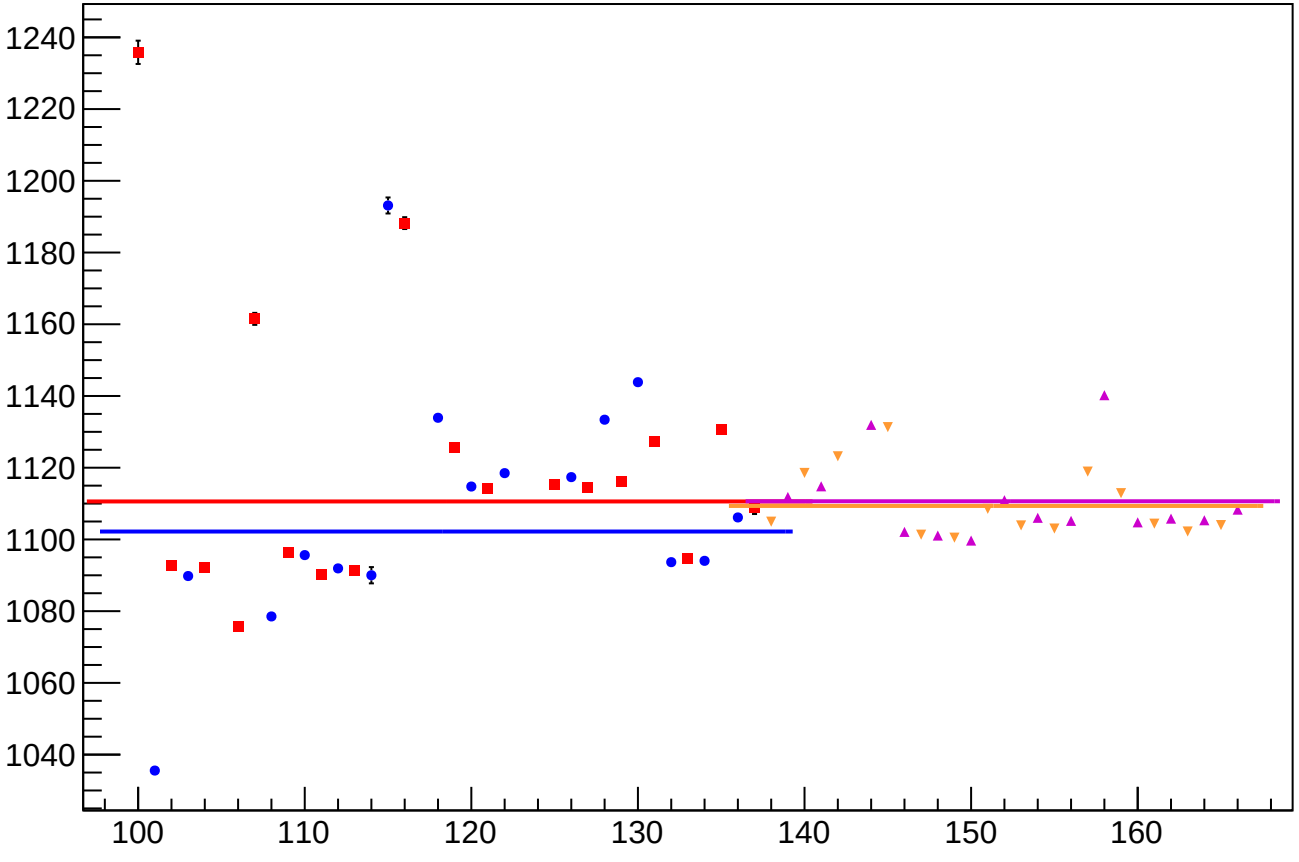
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1703.661+/-255.463 χ^2/NDF:21.3/29

Out: 1938.094+/-258.900 χ^2/NDF:24.5/31

All: 1819.311+/-181.842 χ^2/NDF: 46.2/61

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.646+/-0.231 χ^2/NDF:2447.4/13

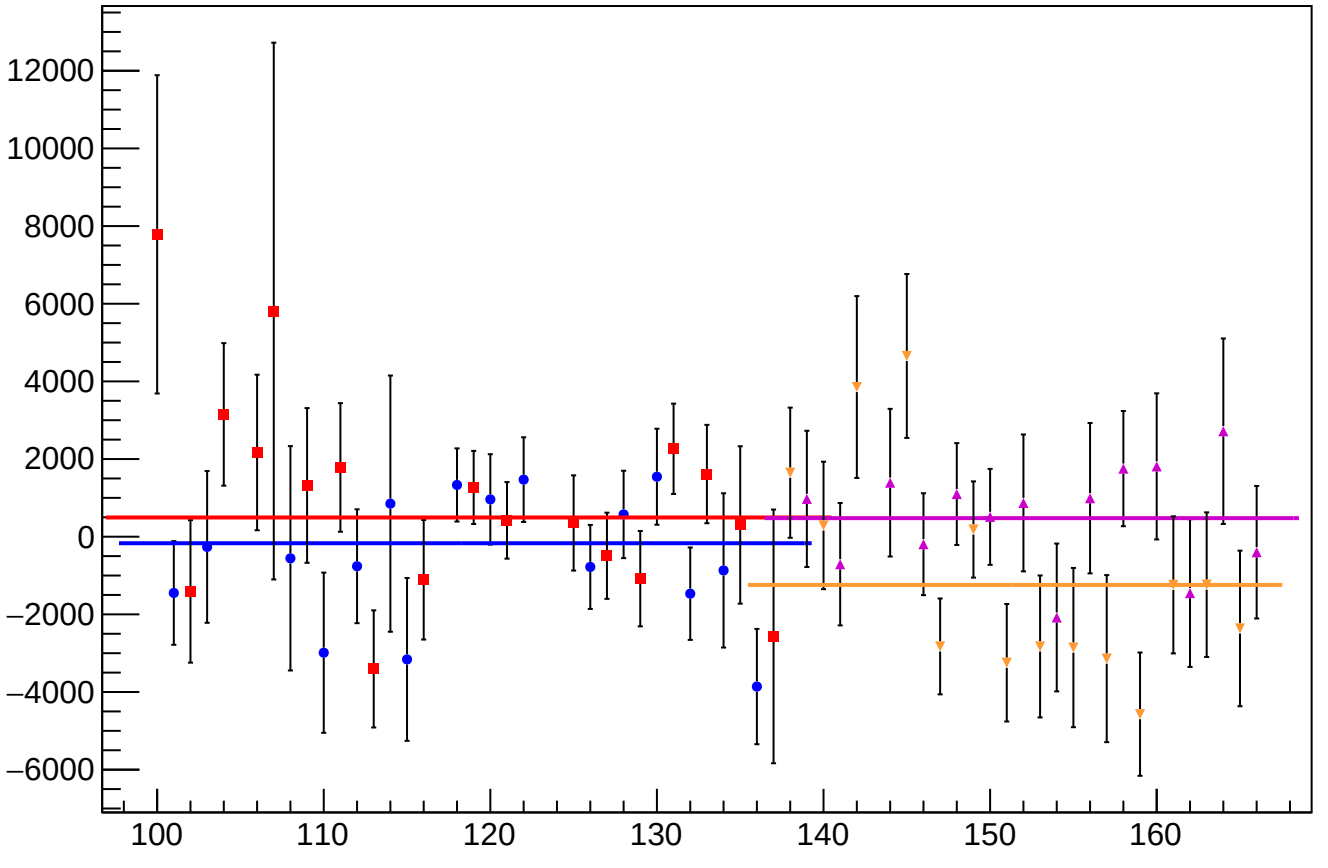
Left: 1110.006+/-0.165 χ^2/NDF: 3911.6/27

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1107.362+/-0.181 χ^2/NDF:14315.4/29

Out: 1109.839+/-0.183 χ^2/NDF:9155.9/31

All: 1108.584+/-0.129 χ^2/NDF: 23564.1/61


asym_usl_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
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6000
4000
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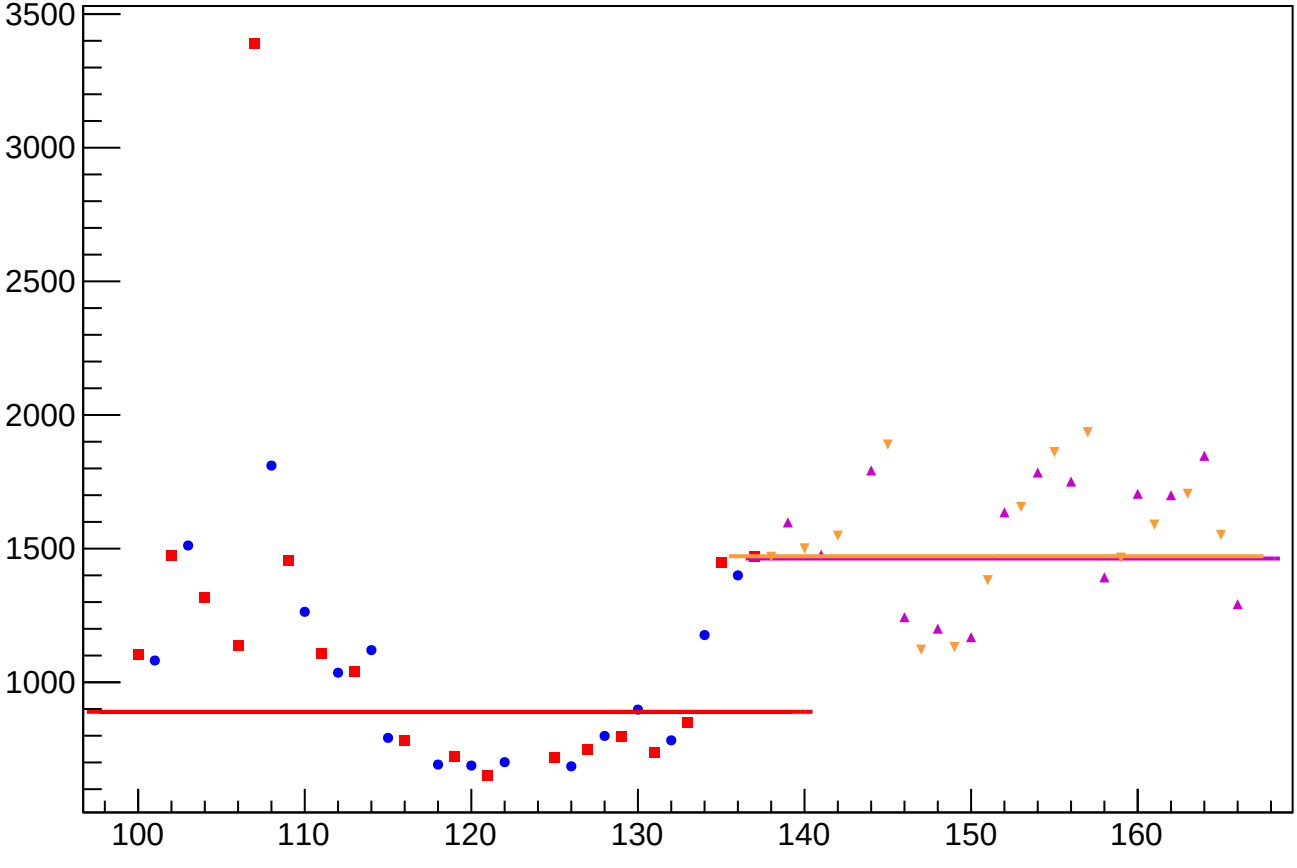
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1241.880+/-452.381 χ²/NDF:28.0/13
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 478.115+/-437.832 χ²/NDF:6.7/13
Left: -353.780+/-314.612 χ²/NDF: 42.1/27
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.958+/-271.196 χ²/NDF:29.1/29
Out: -143.723+/-274.355 χ²/NDF:60.6/31
All: -30.588+/-192.872 χ²/NDF: 90.0/61

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1463.034+/-0.310 χ^2/NDF:582327.0/13

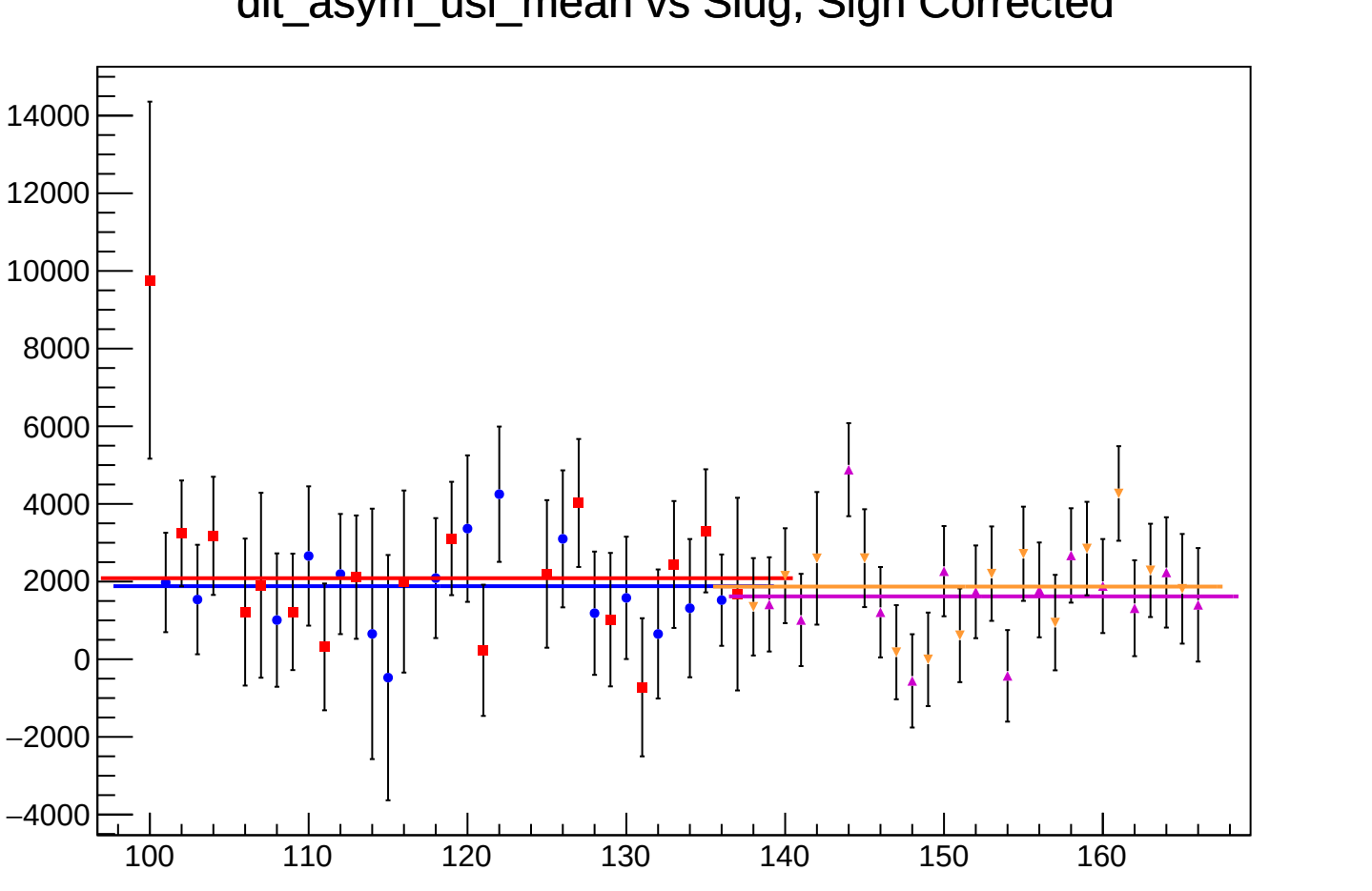
Left: 1467.154+/-0.222 χ^2/NDF: 1210631.5/27

Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

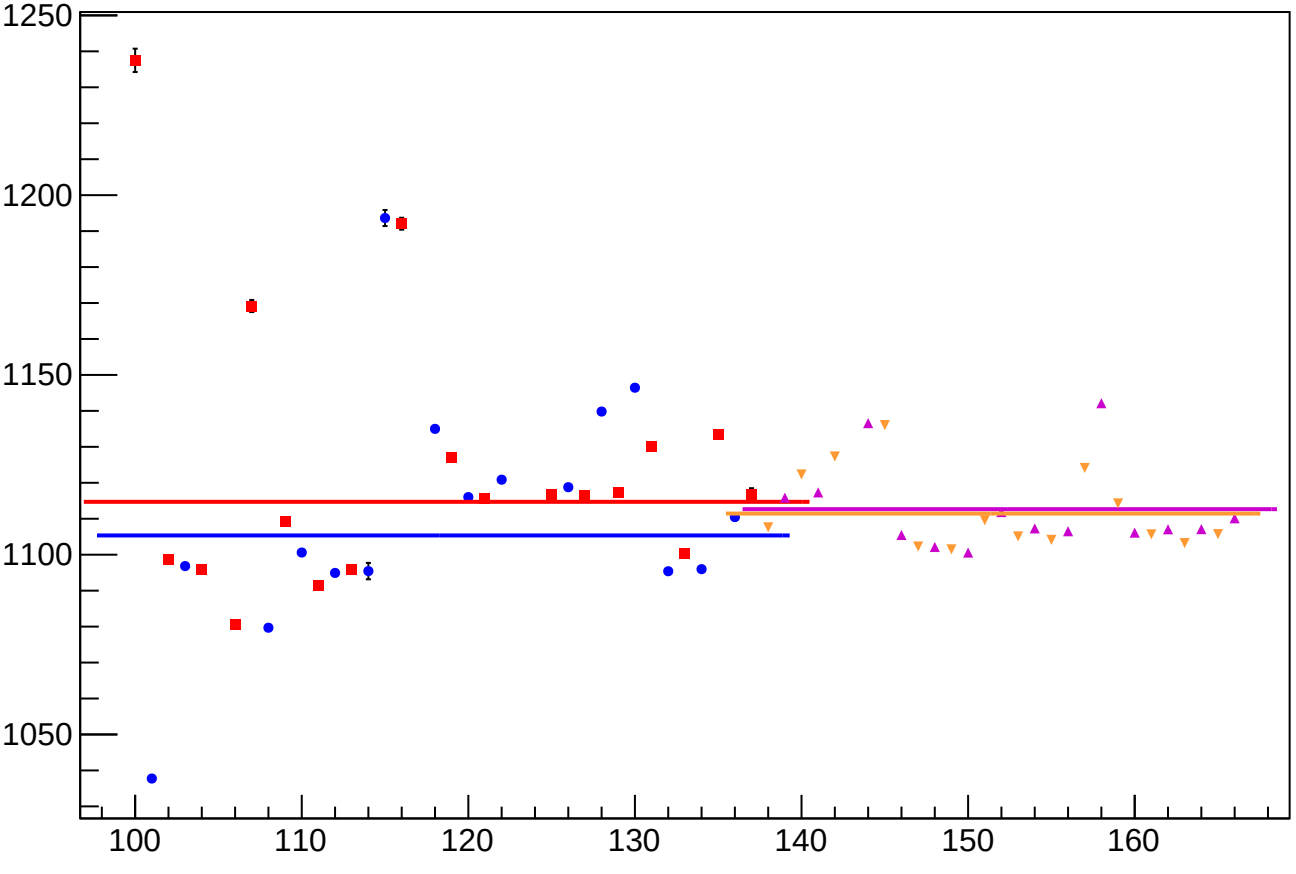
In: 1109.209+/-0.192 χ^2/NDF:3834301.8/29

Out: 1103.568+/-0.194 χ^2/NDF:4066980.5/31

All: 1106.421+/-0.136 χ^2/NDF: 7901710.0/61


dit_asym_usl_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 1881.524+/-410.700 χ²/NDF: 5.2/15
Left Out: 1871.165+/-335.020 χ²/NDF:12.0/13
Right Out: 2086.886+/-410.785 χ²/NDF: 12.4/17
Left In: 1618.435+/-327.455 χ²/NDF:15.5/13
Left: 1741.914+/-234.174 χ²/NDF: 27.8/27
Right: 1984.184+/-290.439 χ²/NDF: 17.7/33
In: 1720.682+/-256.035 χ²/NDF:21.0/29
Out: 1957.334+/-259.624 χ²/NDF:24.5/31
All: 1837.361+/-182.300 χ²/NDF: 45.9/61

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.662+/-0.232 χ^2/NDF:2691.2/13

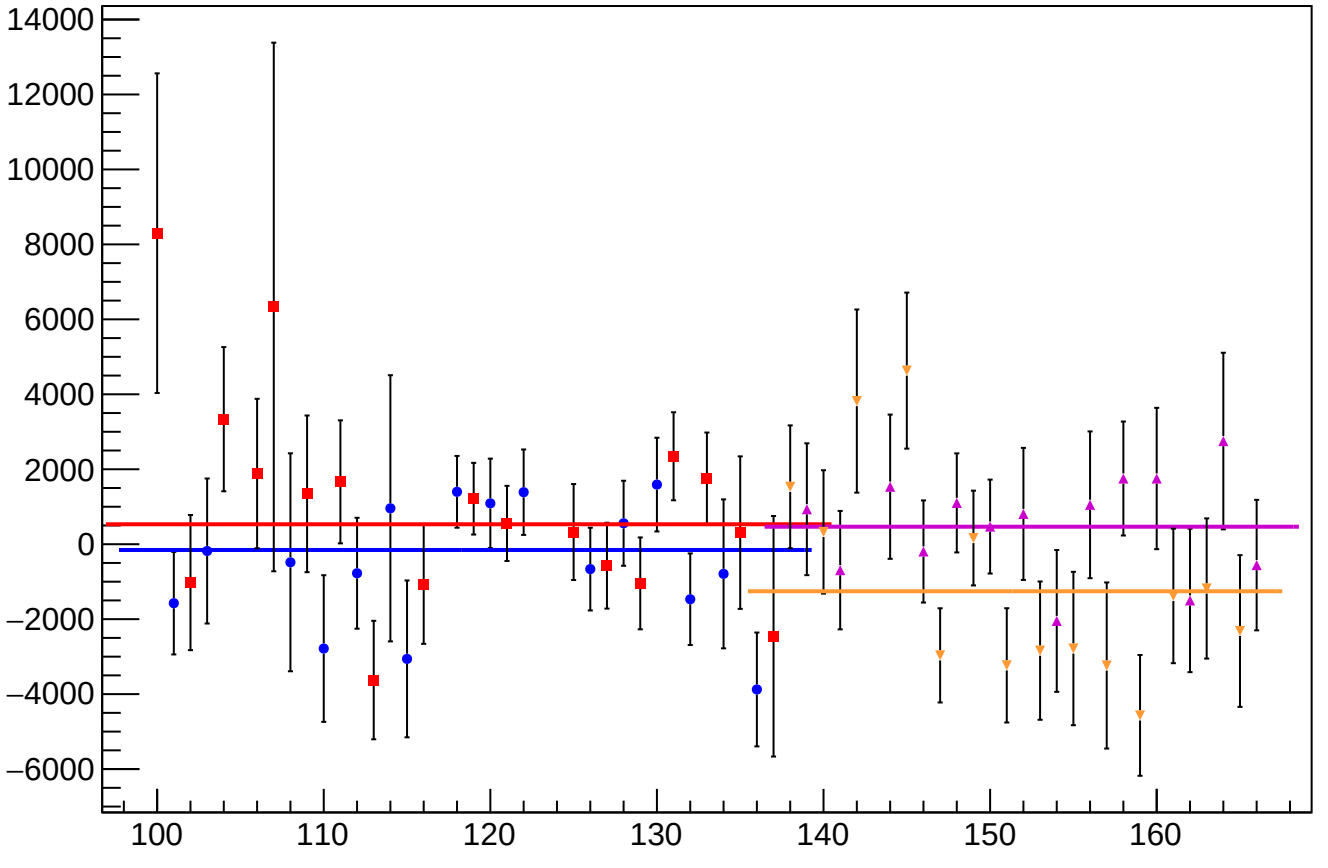
Left: 1112.066+/-0.166 χ^2/NDF: 4594.1/27

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

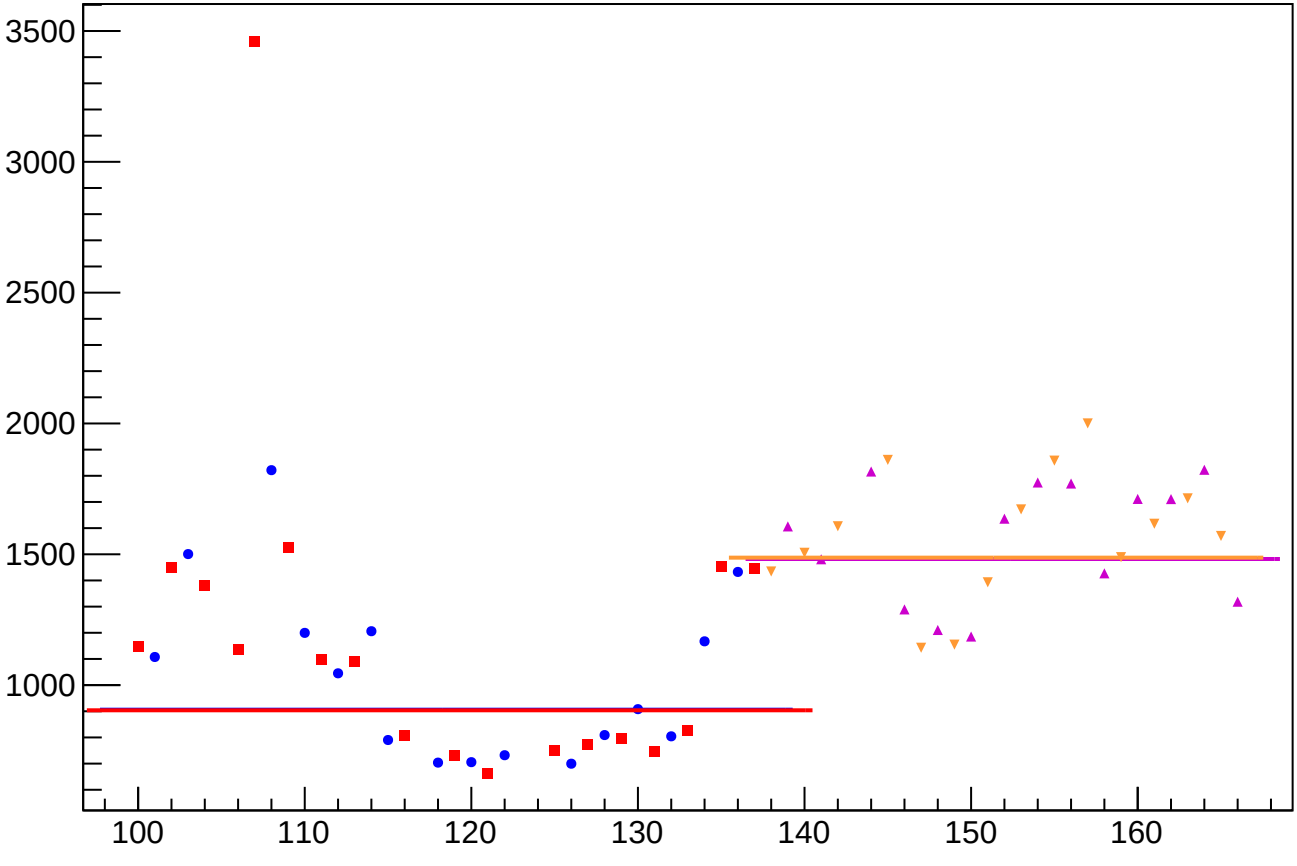
In: 1109.822+/-0.181 χ^2/NDF:14409.1/29

Out: 1112.746+/-0.184 χ^2/NDF:9295.4/31

All: 1111.264+/-0.129 χ^2/NDF: 23833.1/61


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1255.328+/-456.887 χ²/NDF:27.5/13
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 466.868+/-442.775 χ²/NDF:6.8/13
Left: -367.222+/-317.961 χ²/NDF: 41.6/27
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 85.864+/-275.211 χ²/NDF:28.5/29
Out: -129.853+/-278.048 χ²/NDF:60.4/31
All: -20.888+/-195.599 χ²/NDF: 89.2/61

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1487.157+/-0.323 χ^2/NDF:603712.3/13

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1482.020+/-0.313 χ^2/NDF:533322.4/13

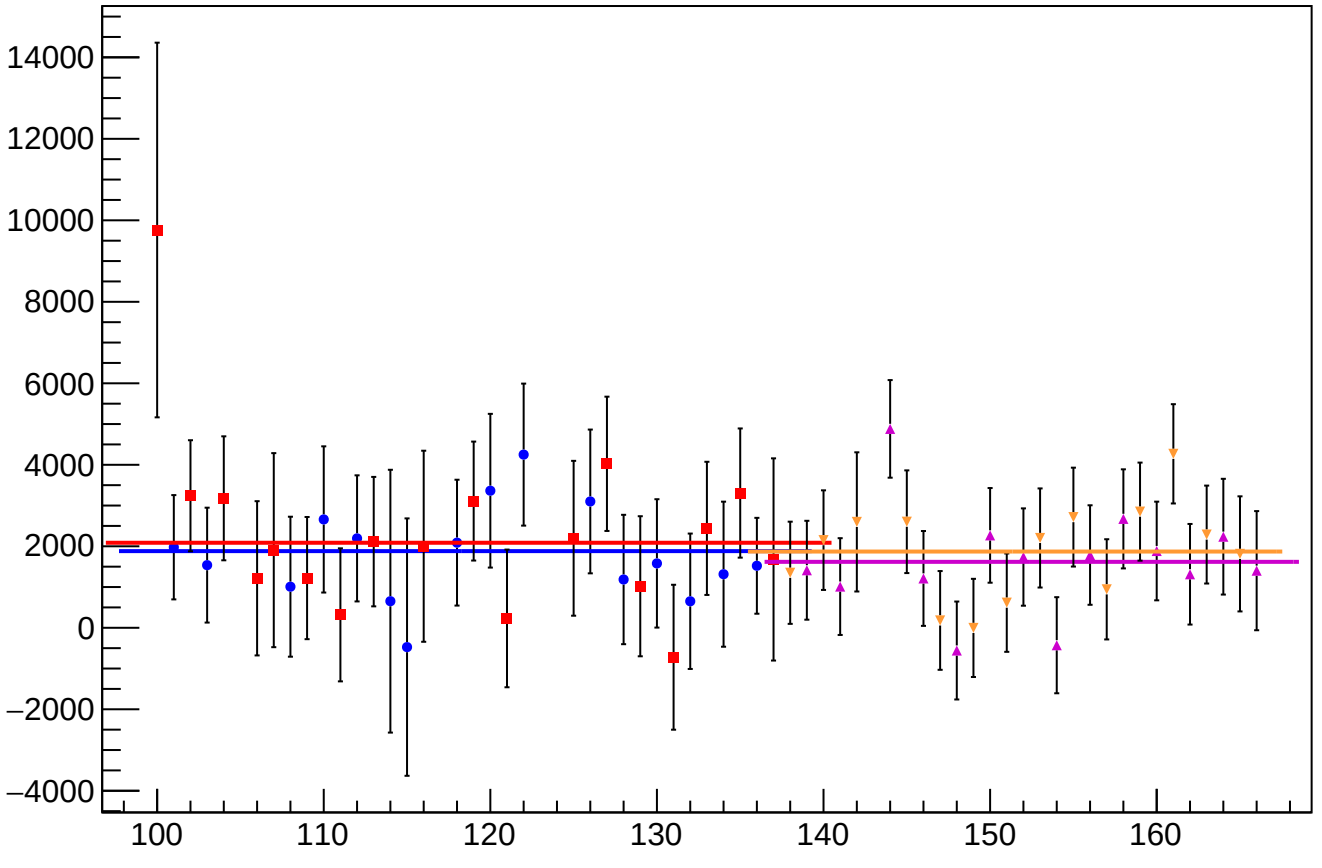
Left: 1484.508+/-0.225 χ^2/NDF: 1137165.1/27

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1128.559+/-0.195 χ^2/NDF:3689659.2/29

Out: 1119.821+/-0.197 χ^2/NDF:3996955.4/31

All: 1124.235+/-0.138 χ^2/NDF: 7687612.3/61



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1871.160+/-335.020 χ^2/NDF:12.0/13

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1618.437+/-327.455 χ^2/NDF:15.5/13

Left: 1741.913+/-234.174 χ^2/NDF: 27.8/27

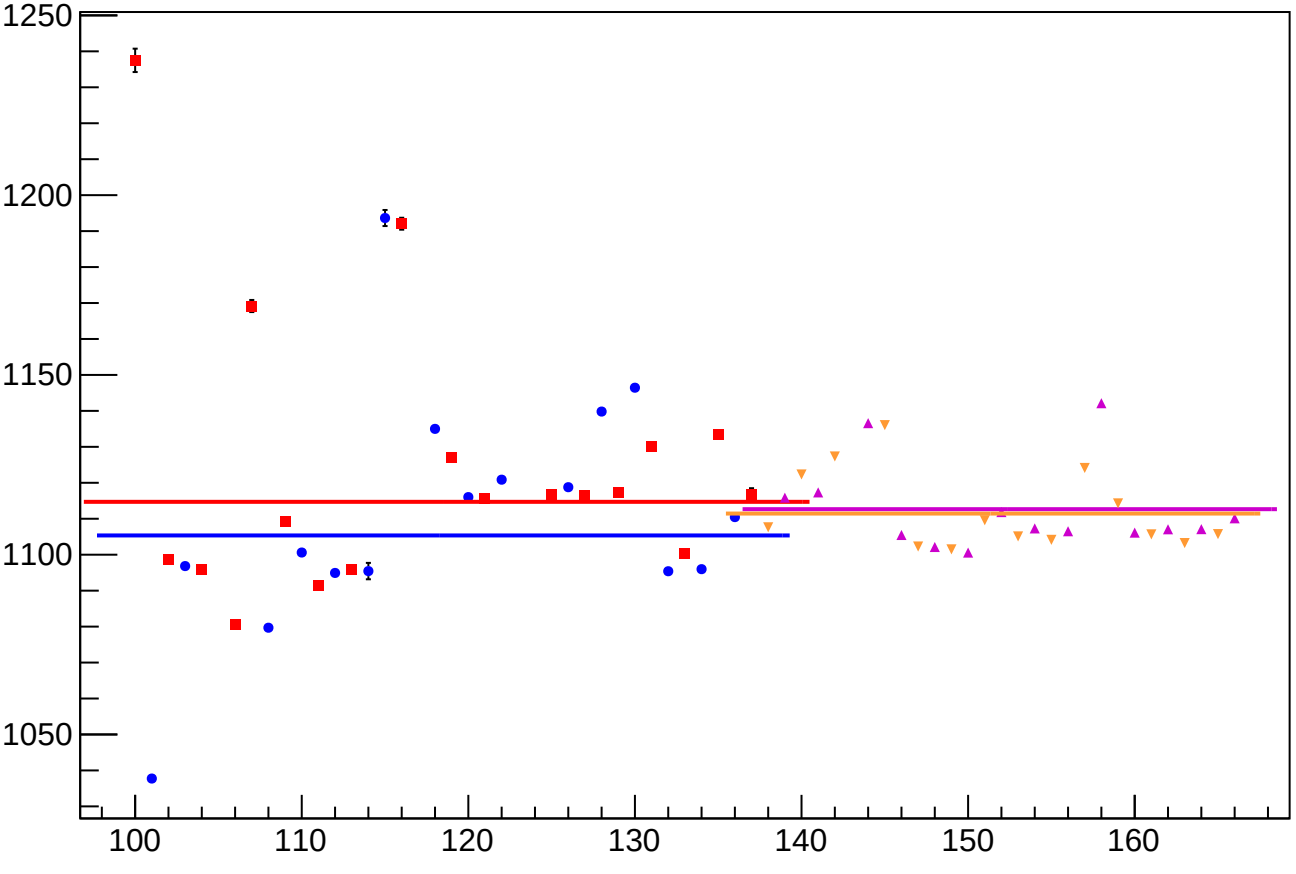
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1720.684+/-256.035 χ^2/NDF:21.0/29

Out: 1957.331+/-259.624 χ^2/NDF:24.5/31

All: 1837.360+/-182.300 χ^2/NDF: 45.9/61

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.662+/-0.232 χ^2/NDF:2691.2/13

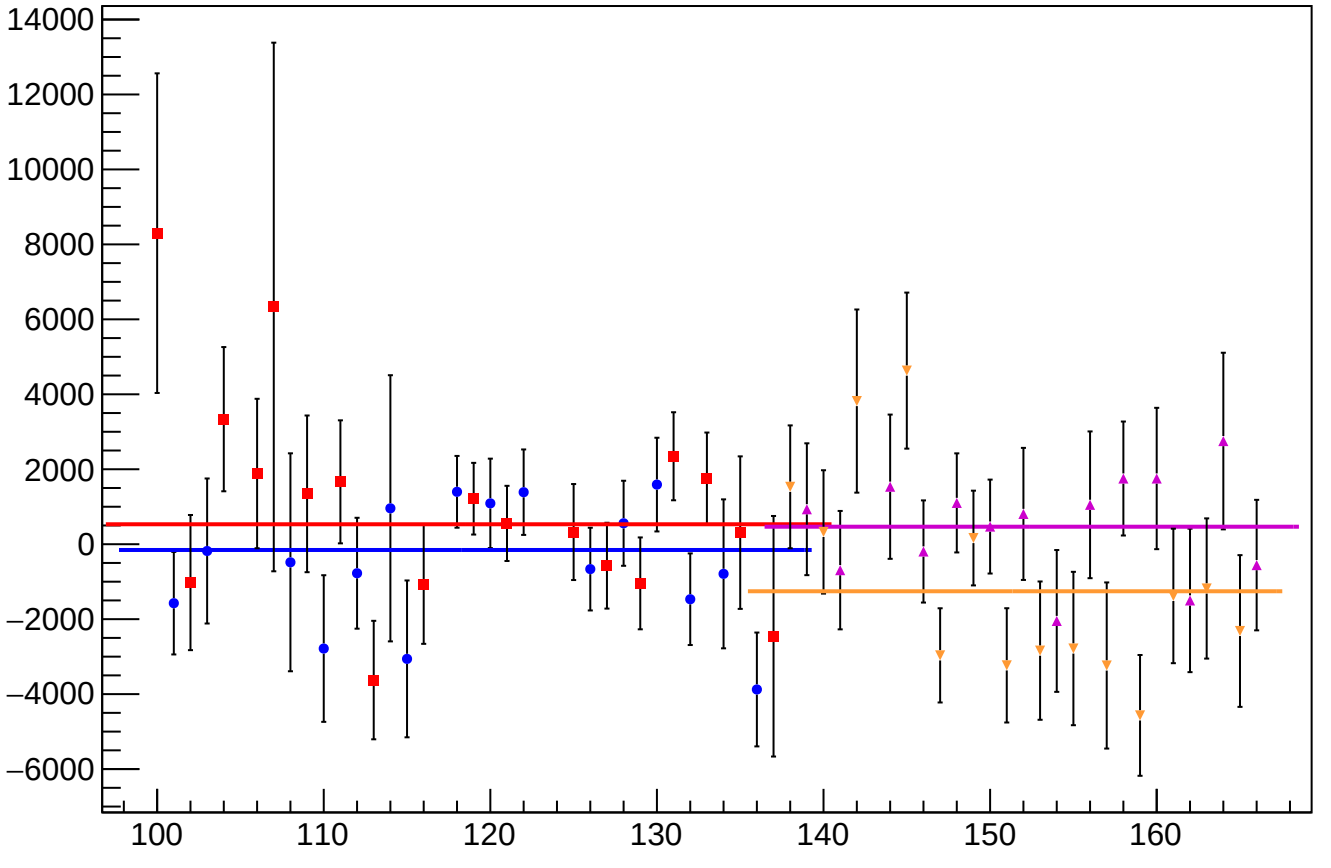
Left: 1112.066+/-0.166 χ^2/NDF: 4594.1/27

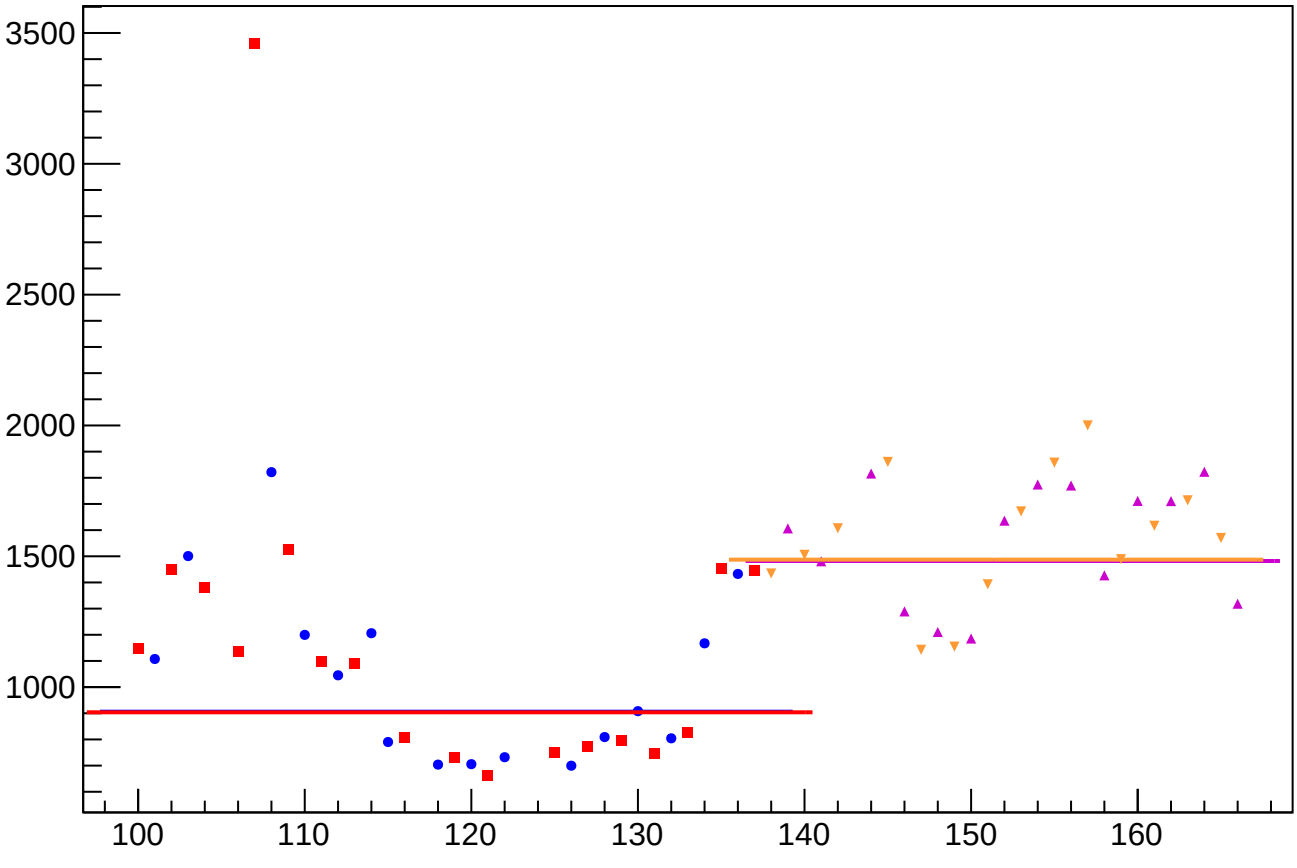
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.822+/-0.181 χ^2/NDF:14409.1/29

Out: 1112.746+/-0.184 χ^2/NDF:9295.3/31

All: 1111.264+/-0.129 χ^2/NDF: 23833.0/61


asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -153.998+/-351.317 χ²/NDF: 20.5/15
Left Out: -1255.333+/-456.888 χ²/NDF:27.5/13
Right Out: 532.154+/-350.406 χ²/NDF: 23.2/17
Left In: 466.870+/-442.776 χ²/NDF:6.8/13
Left: -367.223+/-317.962 χ²/NDF: 41.6/27
Right: 189.969+/-248.096 χ²/NDF: 45.6/33
In: 85.865+/-275.211 χ²/NDF:28.5/29
Out: -129.852+/-278.048 χ²/NDF:60.4/31
All: -20.888+/-195.599 χ²/NDF: 89.2/61



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1487.159+/-0.323 χ^2/NDF:603709.0/13

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1482.022+/-0.313 χ^2/NDF:533319.2/13

Left: 1484.510+/-0.225 χ^2/NDF: 1137158.5/27

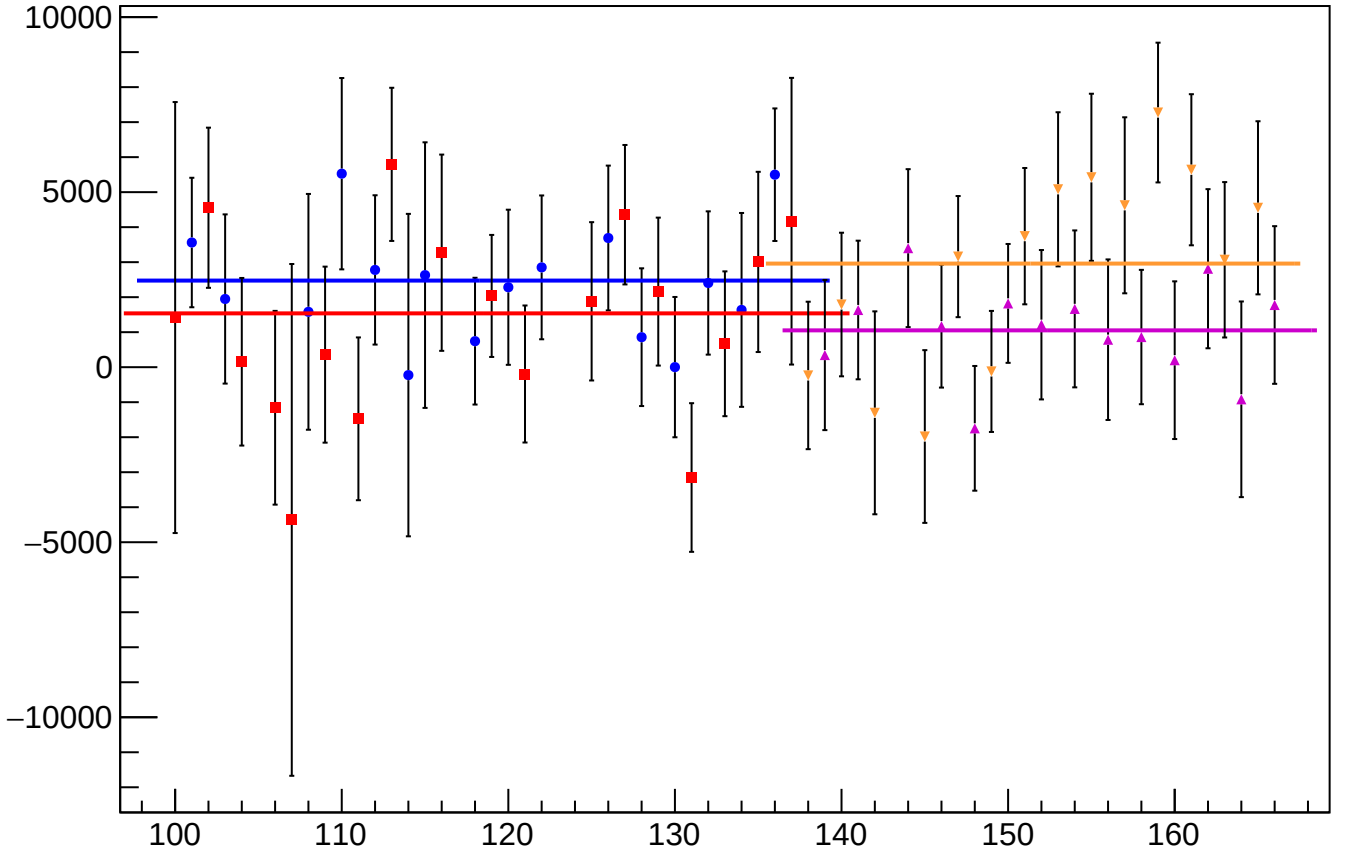
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1128.558+/-0.195 χ^2/NDF:3689688.6/29

Out: 1119.820+/-0.197 χ^2/NDF:3996984.8/31

All: 1124.233+/-0.138 χ^2/NDF: 7687671.0/61

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2959.576+/-572.497 χ^2/NDF:21.2/13

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1051.932+/-554.571 χ^2/NDF:5.4/13

Left: 1975.419+/-398.328 χ^2/NDF: 32.3/27

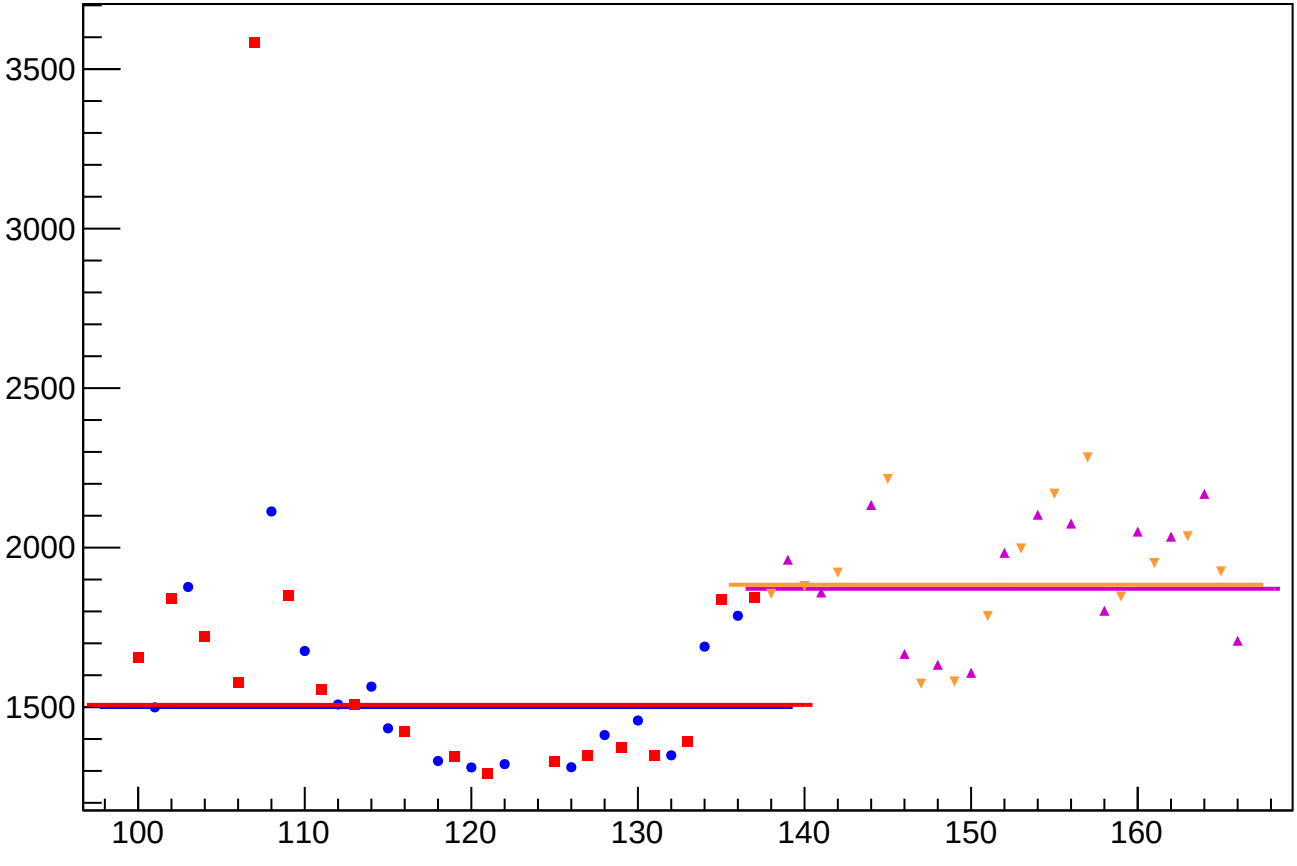
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1752.531+/-395.017 χ^2/NDF:16.9/29

Out: 2237.313+/-401.618 χ^2/NDF:42.9/31

All: 1990.905+/-281.624 χ^2/NDF: 60.5/61

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1883.752+/-0.405 χ^2/NDF:264603.1/13

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1871.019+/-0.392 χ^2/NDF:243420.5/13

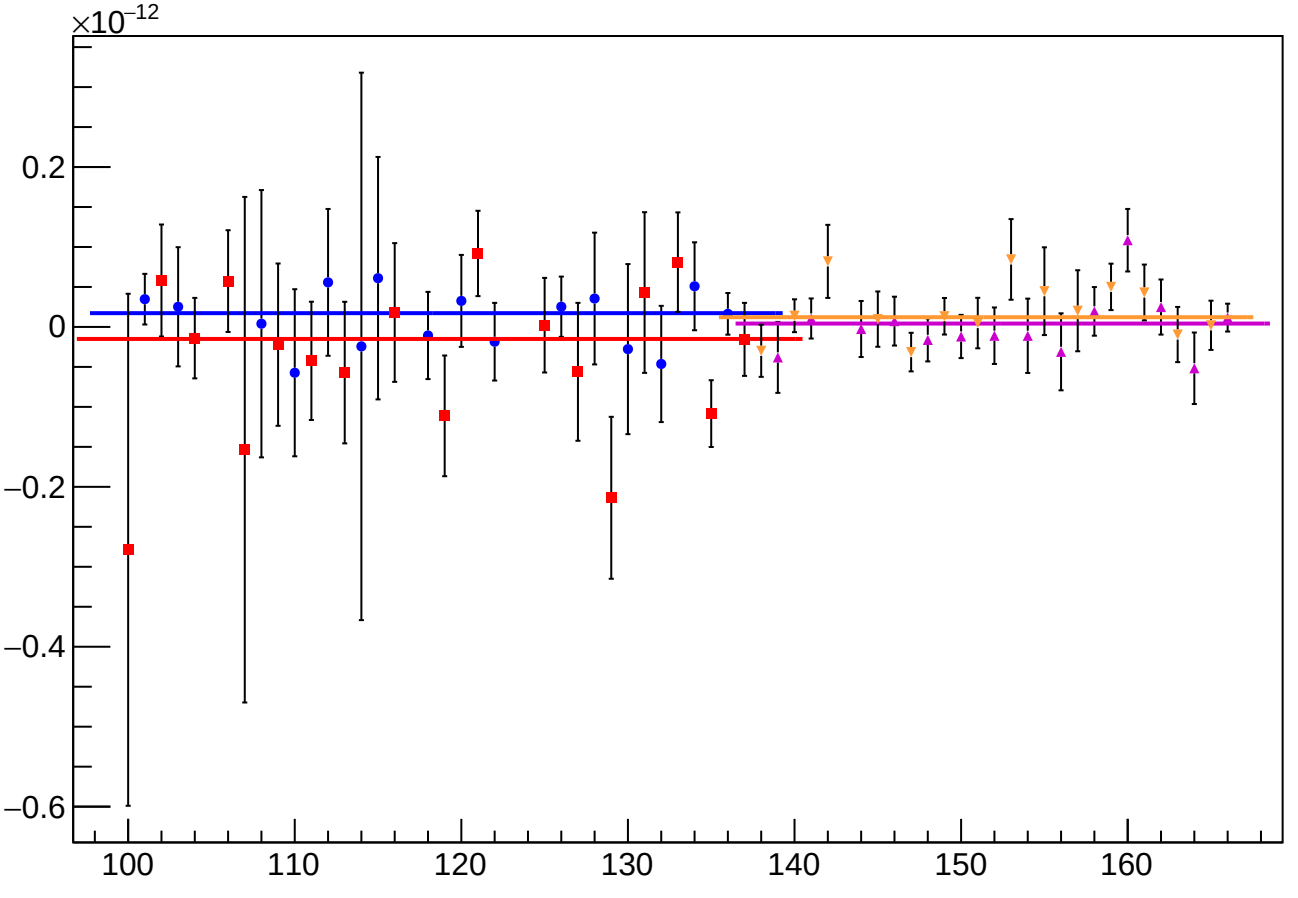
Left: 1877.183+/-0.282 χ^2/NDF: 508534.1/27

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1688.426+/-0.279 χ^2/NDF:942315.2/29

Out: 1692.461+/-0.284 χ^2/NDF:1105496.0/31

All: 1690.410+/-0.199 χ^2/NDF: 2047913.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/13

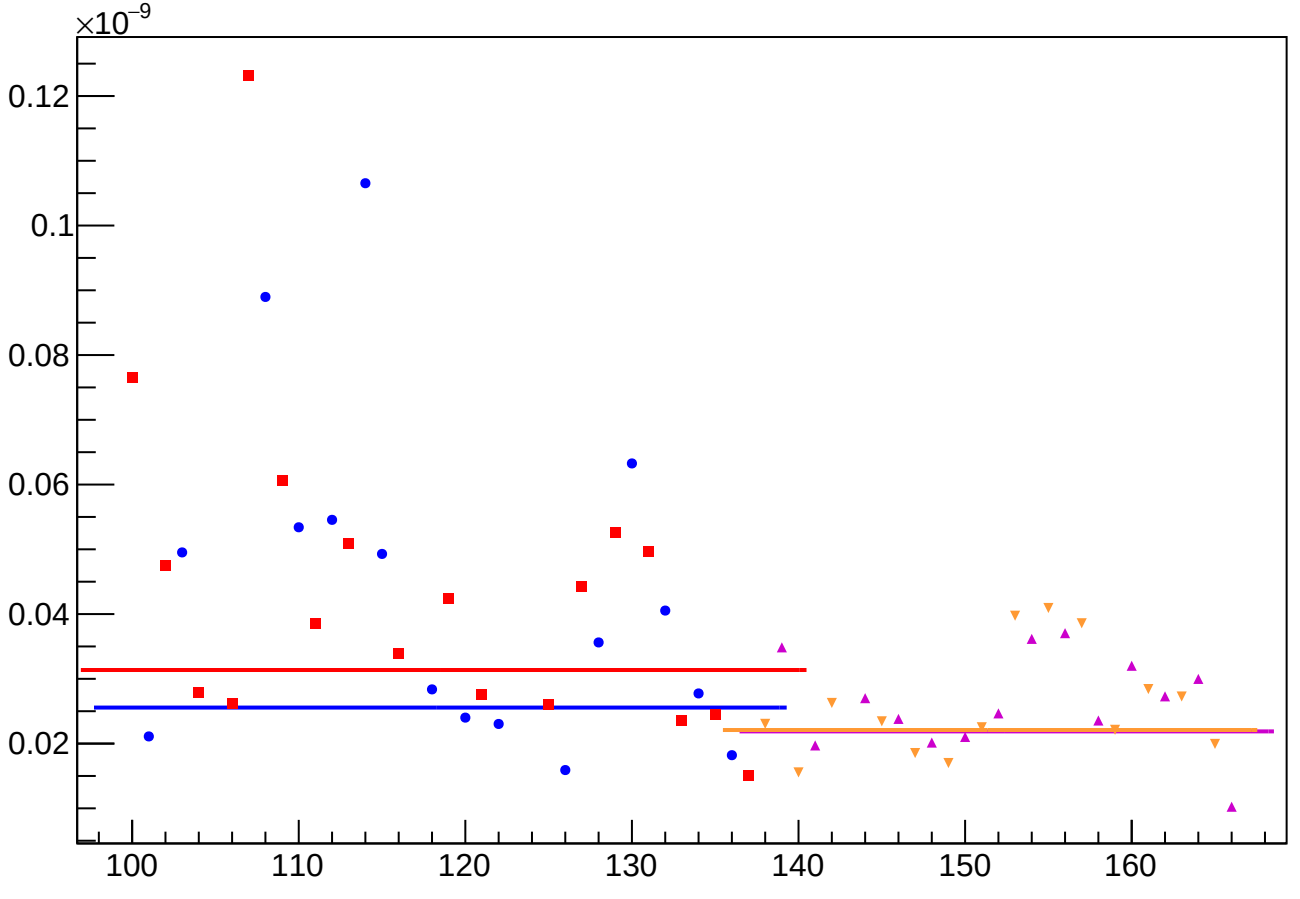
Left: 0.000+/-0.000 χ^2/NDF: 25.5/27

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:16.3/29

Out: 0.000+/-0.000 χ^2/NDF:36.3/31

All: 0.000+/-0.000 χ^2/NDF: 52.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1180165.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1793026.3/13

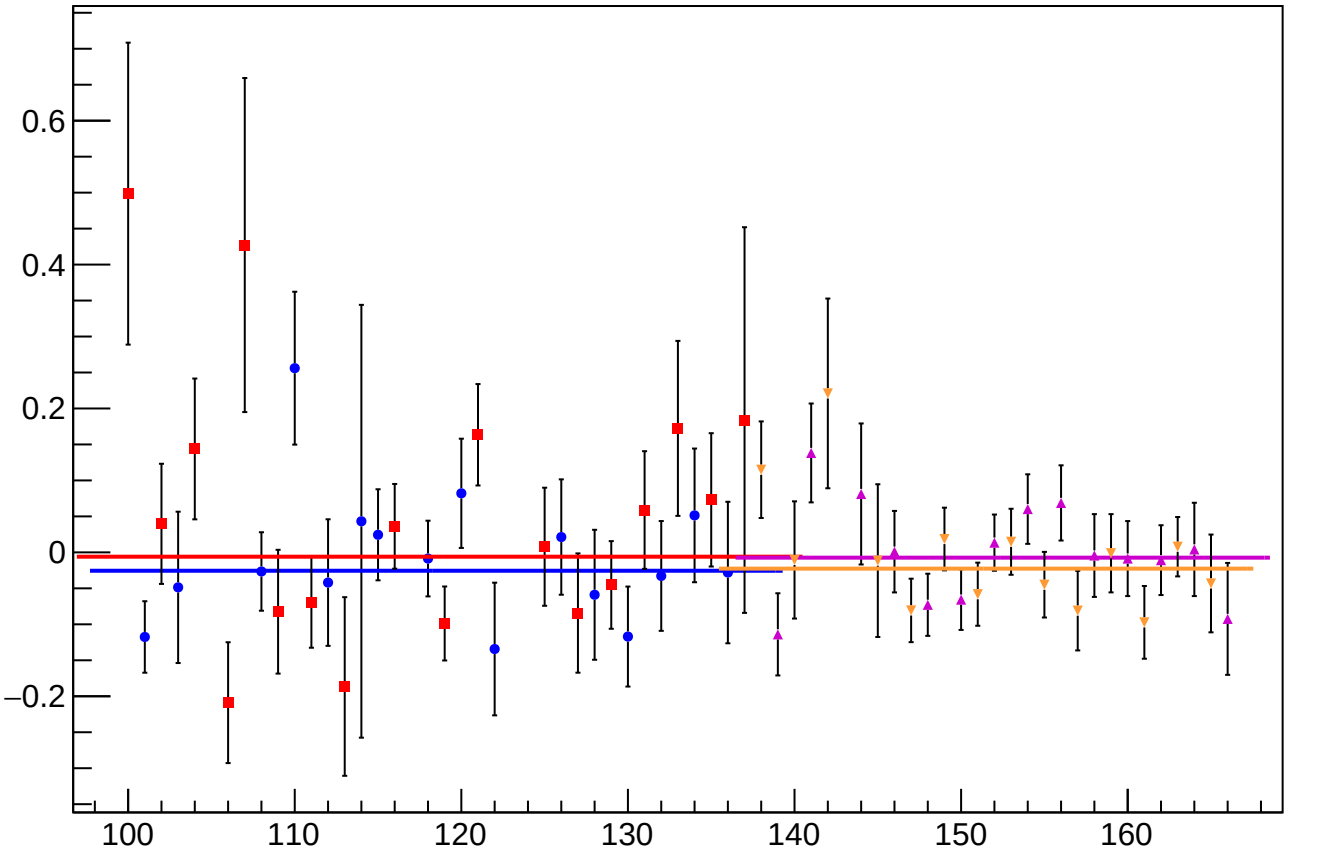
Left: 0.000+/-0.000 χ^2/NDF: 2973847.8/27

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:3608951.5/29

Out: 0.000+/-0.000 χ^2/NDF:2930183.1/31

All: 0.000+/-0.000 χ^2/NDF: 6566349.8/61



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

Left: -0.015+/-0.010 χ^2/NDF: 35.1/27

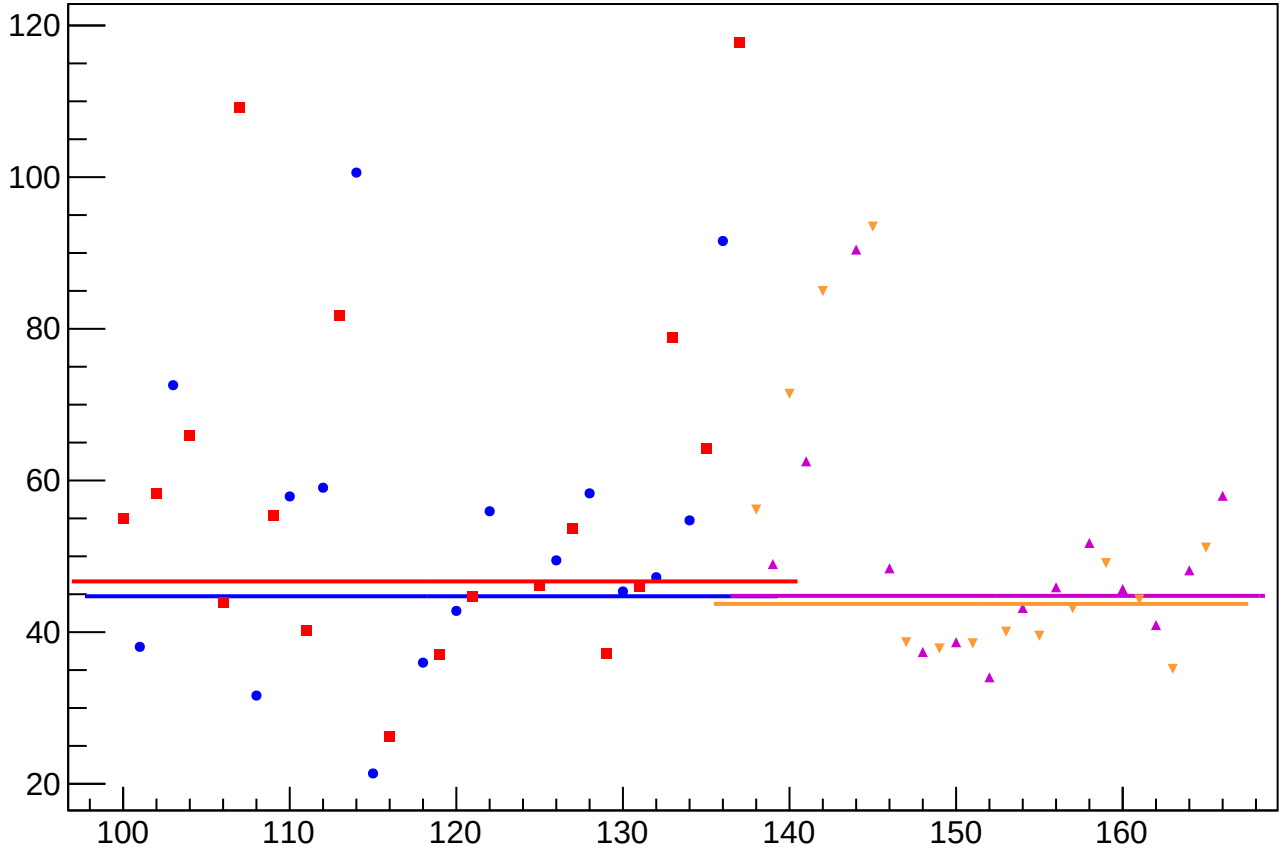
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.015+/-0.008 χ^2/NDF: 89.8/61

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.788+/-0.010 χ^2/NDF:947060.3/13

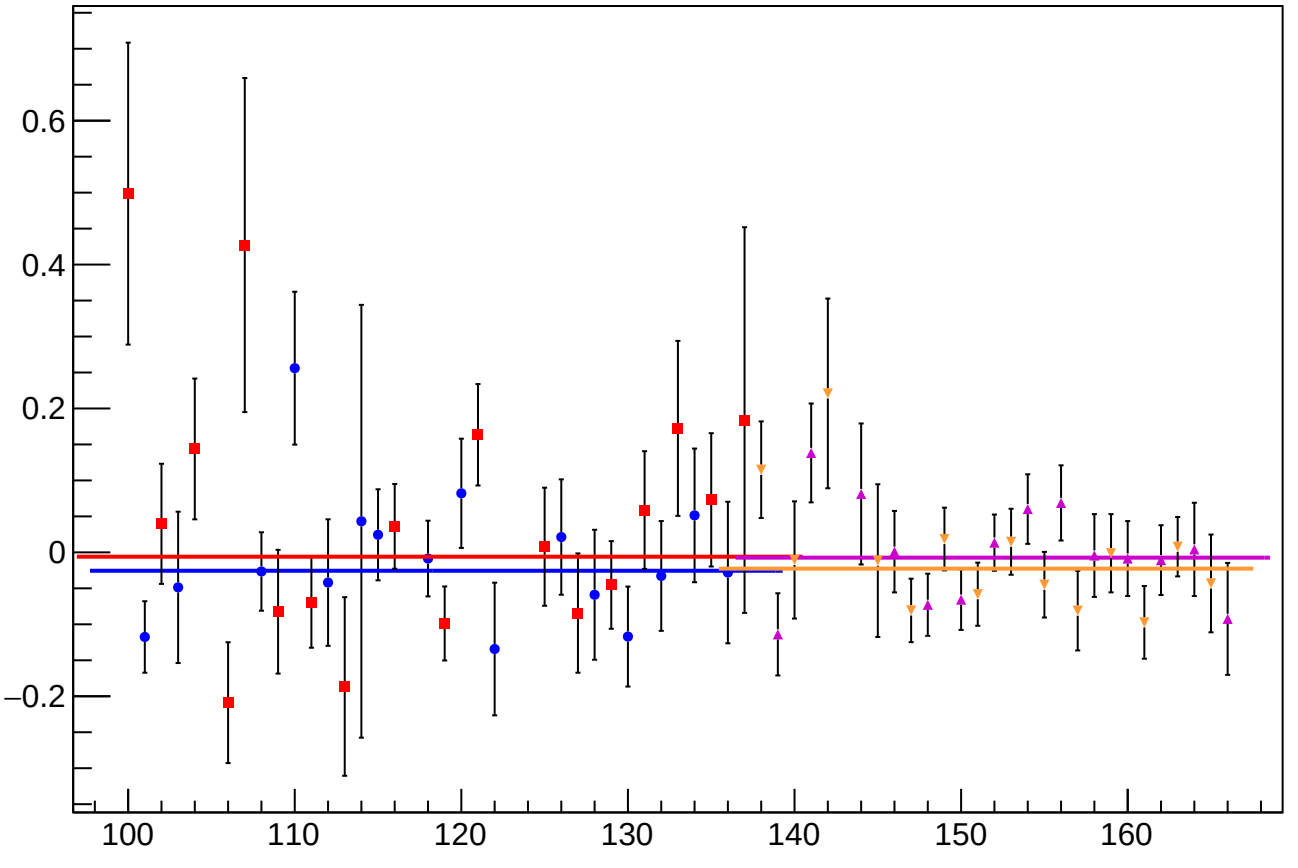
Left: 44.261+/-0.007 χ^2/NDF: 2138305.1/27

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.768+/-0.008 χ^2/NDF:2281613.1/29

Out: 44.769+/-0.008 χ^2/NDF:2411434.9/31

All: 44.769+/-0.006 χ^2/NDF: 4693048.0/61



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

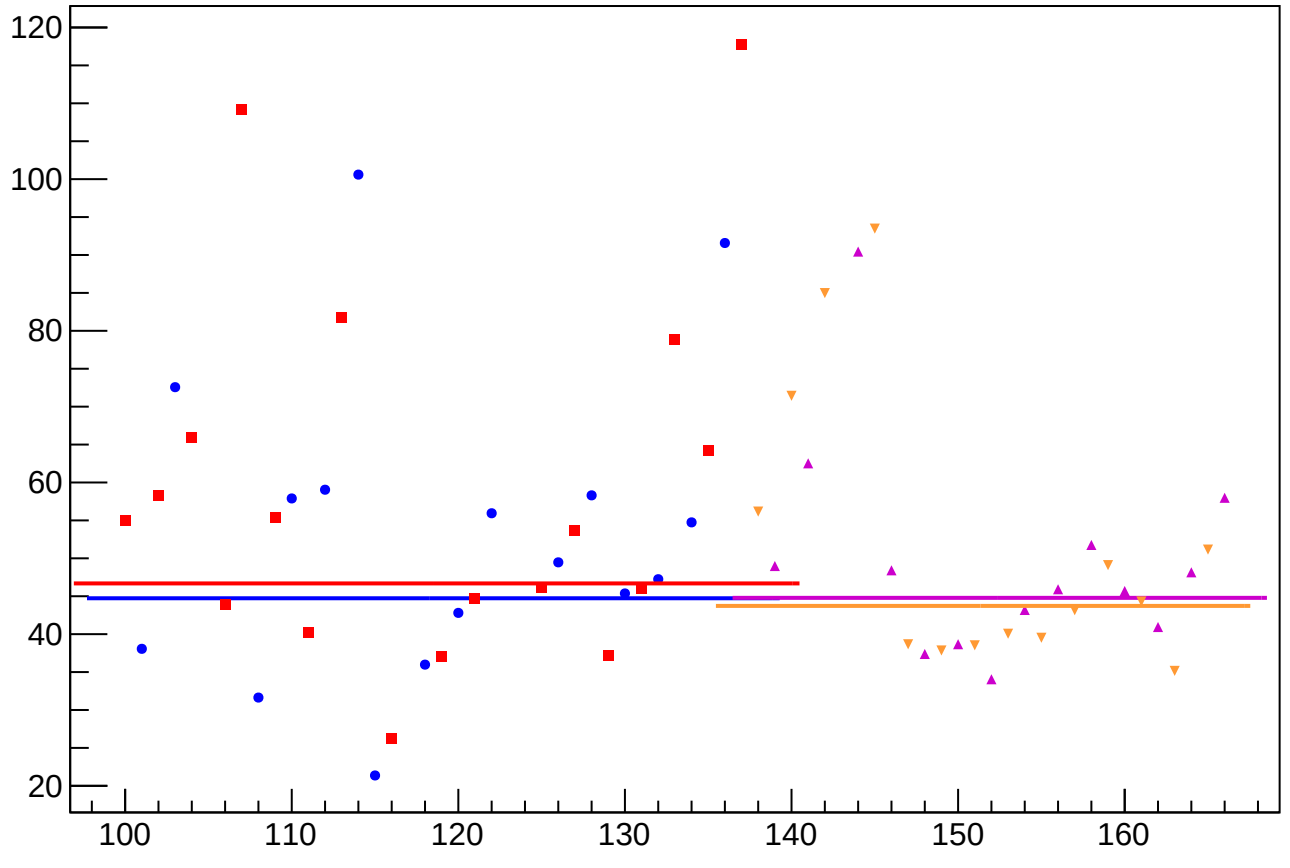
Left: -0.015+/-0.010 χ^2/NDF: 35.1/27

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.015+/-0.008 χ^2/NDF: 89.8/61



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.788+/-0.010 χ^2/NDF:947060.3/13

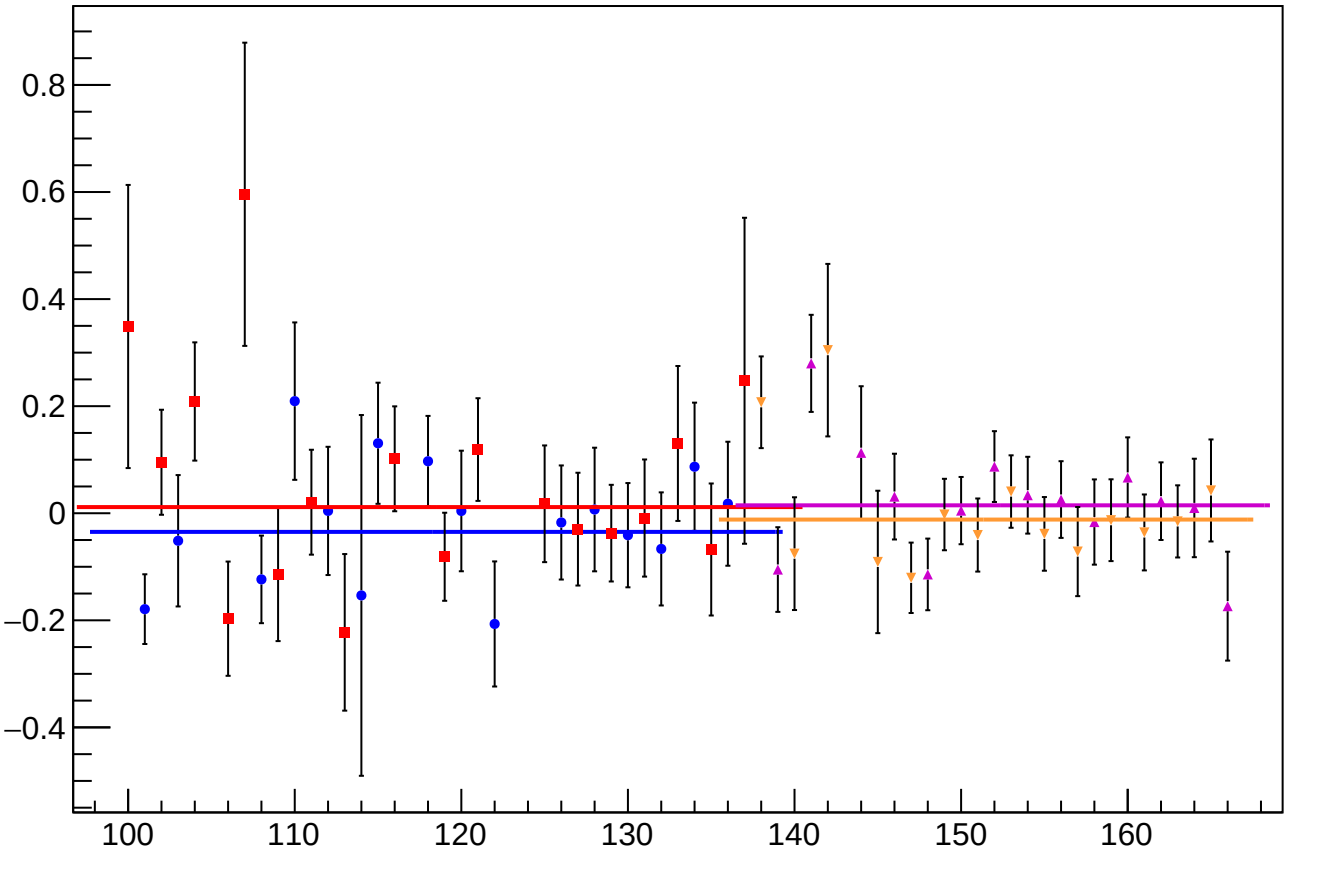
Left: 44.261+/-0.007 χ^2/NDF: 2138305.1/27

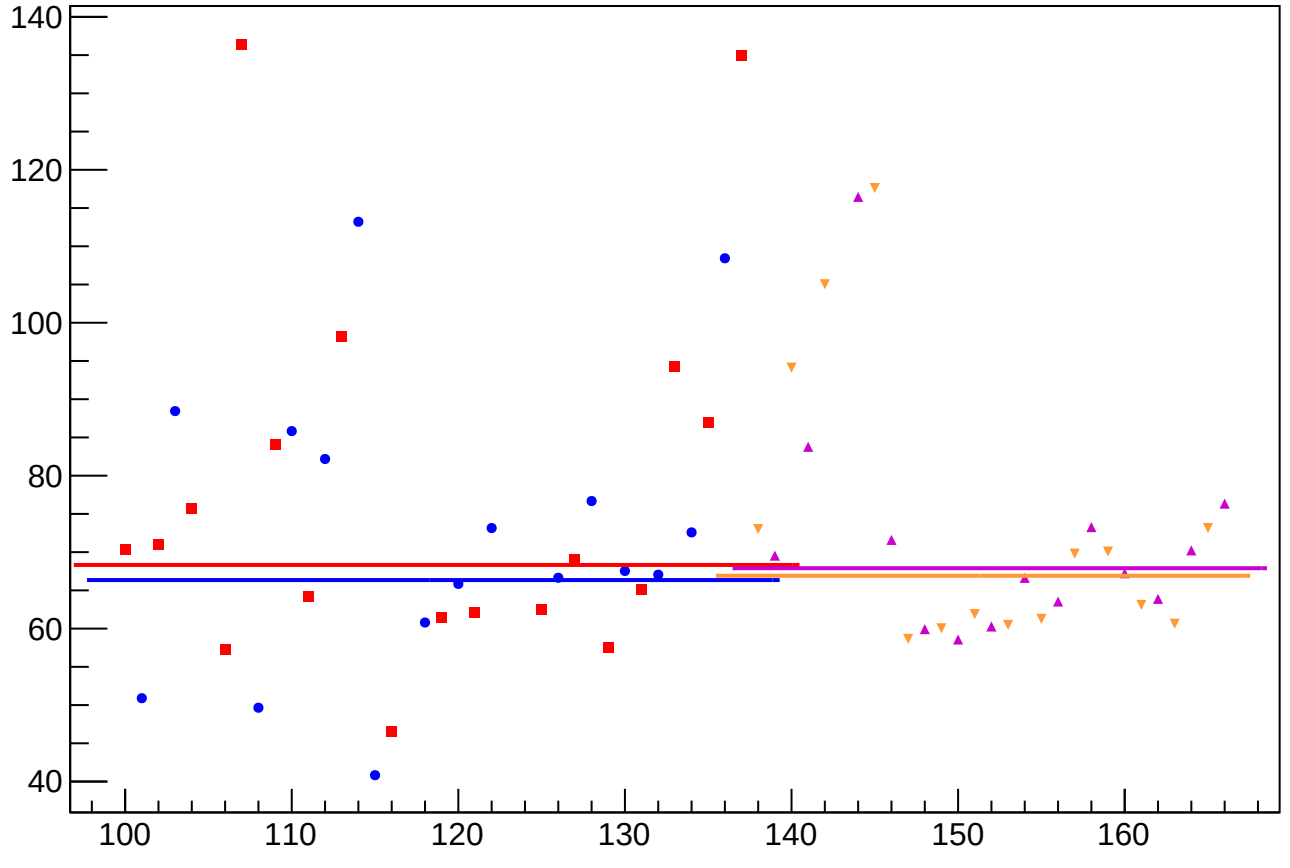
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.768+/-0.008 χ^2/NDF:2281613.1/29

Out: 44.769+/-0.008 χ^2/NDF:2411434.9/31

All: 44.769+/-0.006 χ^2/NDF: 4693048.0/61


asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.012+/-0.021 χ²/NDF:15.8/13
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.015+/-0.021 χ²/NDF:20.6/13
Left: 0.002+/-0.015 χ²/NDF: 37.2/27
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.004+/-0.016 χ²/NDF:40.3/29
Out: -0.003+/-0.017 χ²/NDF:39.0/31
All: -0.004+/-0.012 χ²/NDF: 79.3/61



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 66.913+/-0.015 χ^2/NDF:679060.4/13

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.898+/-0.015 χ^2/NDF:509118.0/13

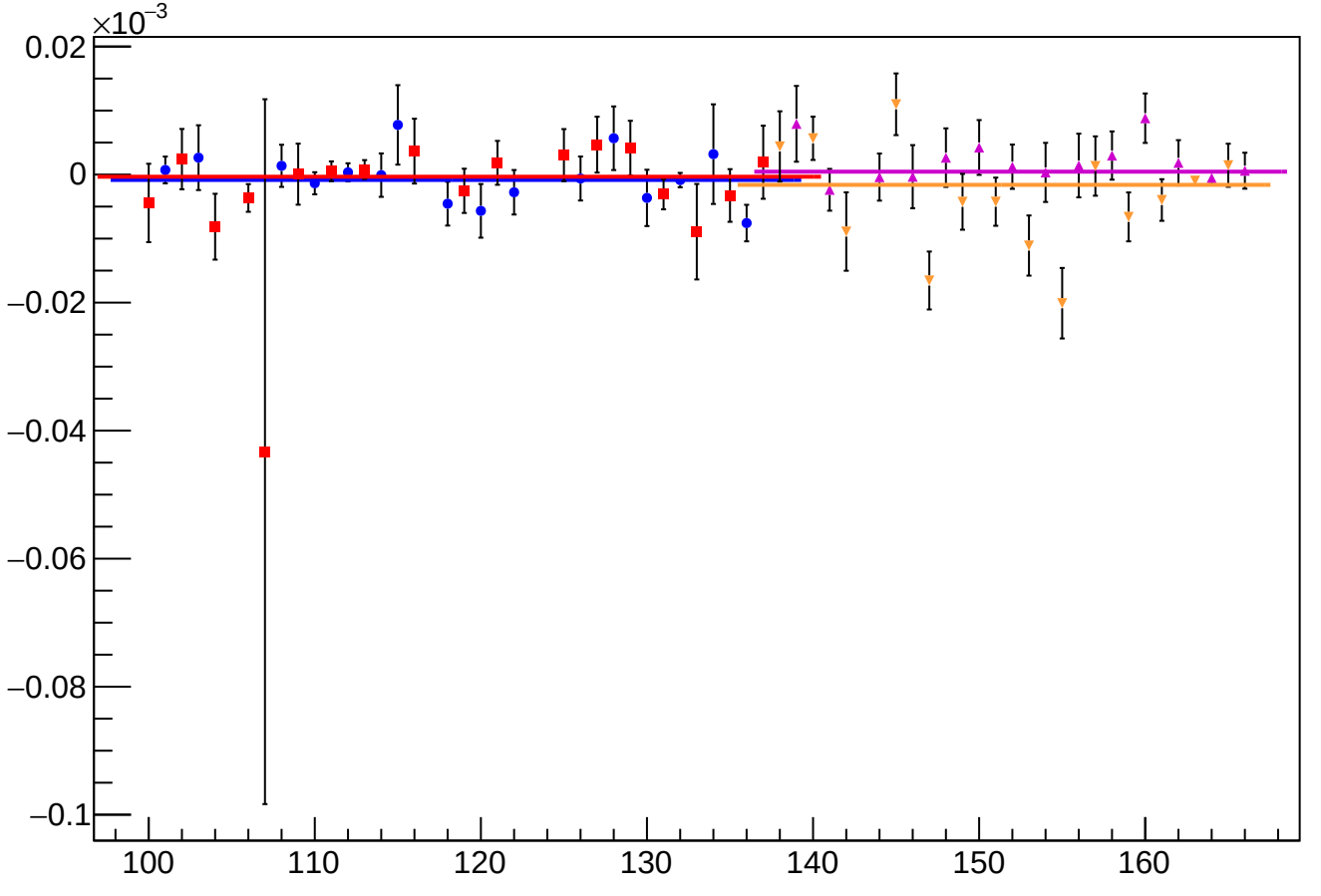
Left: 67.413+/-0.010 χ^2/NDF: 1190413.3/27

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.305+/-0.011 χ^2/NDF:1286067.2/29

Out: 67.446+/-0.012 χ^2/NDF:1312140.7/31

All: 67.374+/-0.008 χ^2/NDF: 2598282.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/13

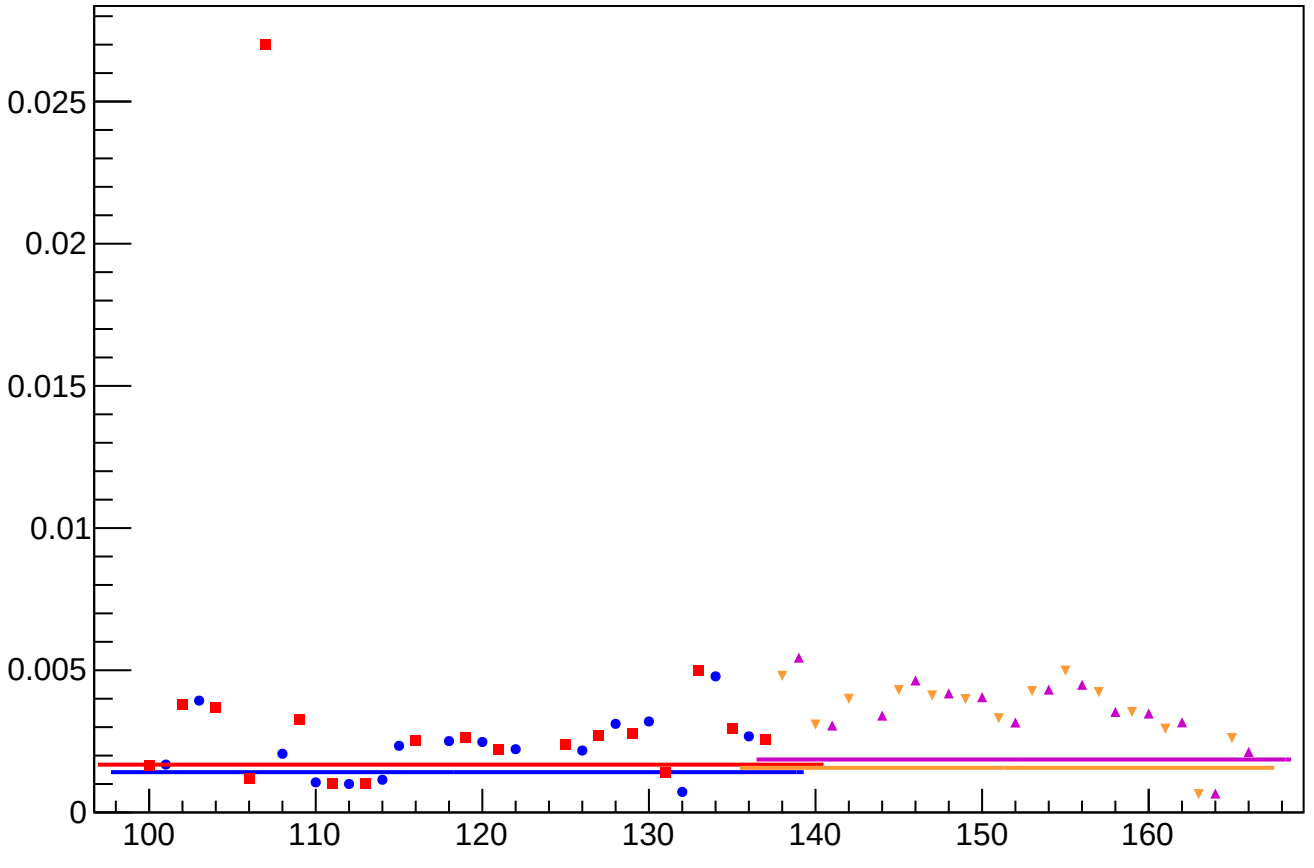
Left: -0.000+/-0.000 χ^2/NDF: 59.8/27

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:26.8/29

Out: -0.000+/-0.000 χ^2/NDF:61.8/31

All: -0.000+/-0.000 χ^2/NDF: 89.9/61



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9702706.1/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8745646.6/13

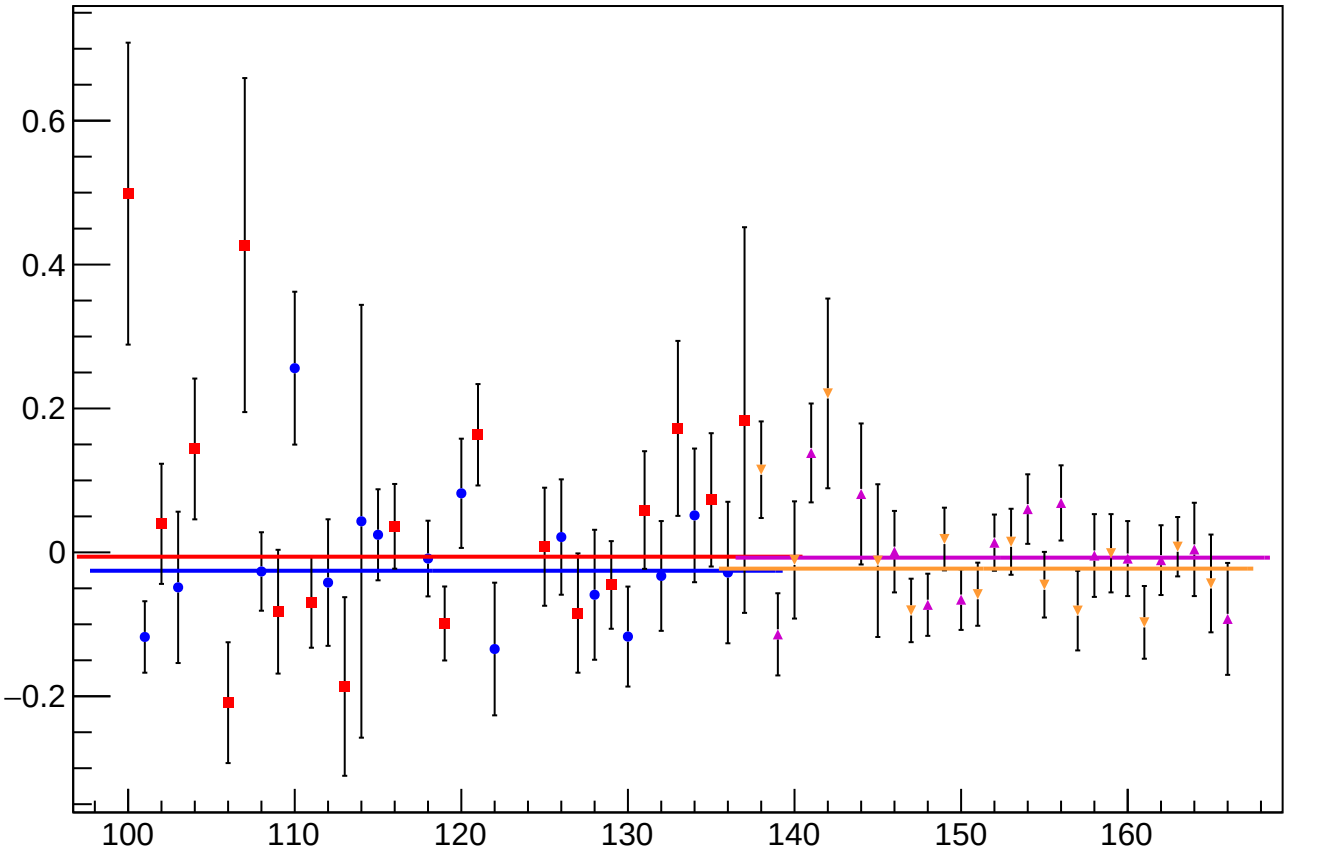
Left: 0.002+/-0.000 χ^2/NDF: 18633710.7/27

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:12742568.8/29

Out: 0.002+/-0.000 χ^2/NDF:13156289.5/31

All: 0.002+/-0.000 χ^2/NDF: 25899338.2/61



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

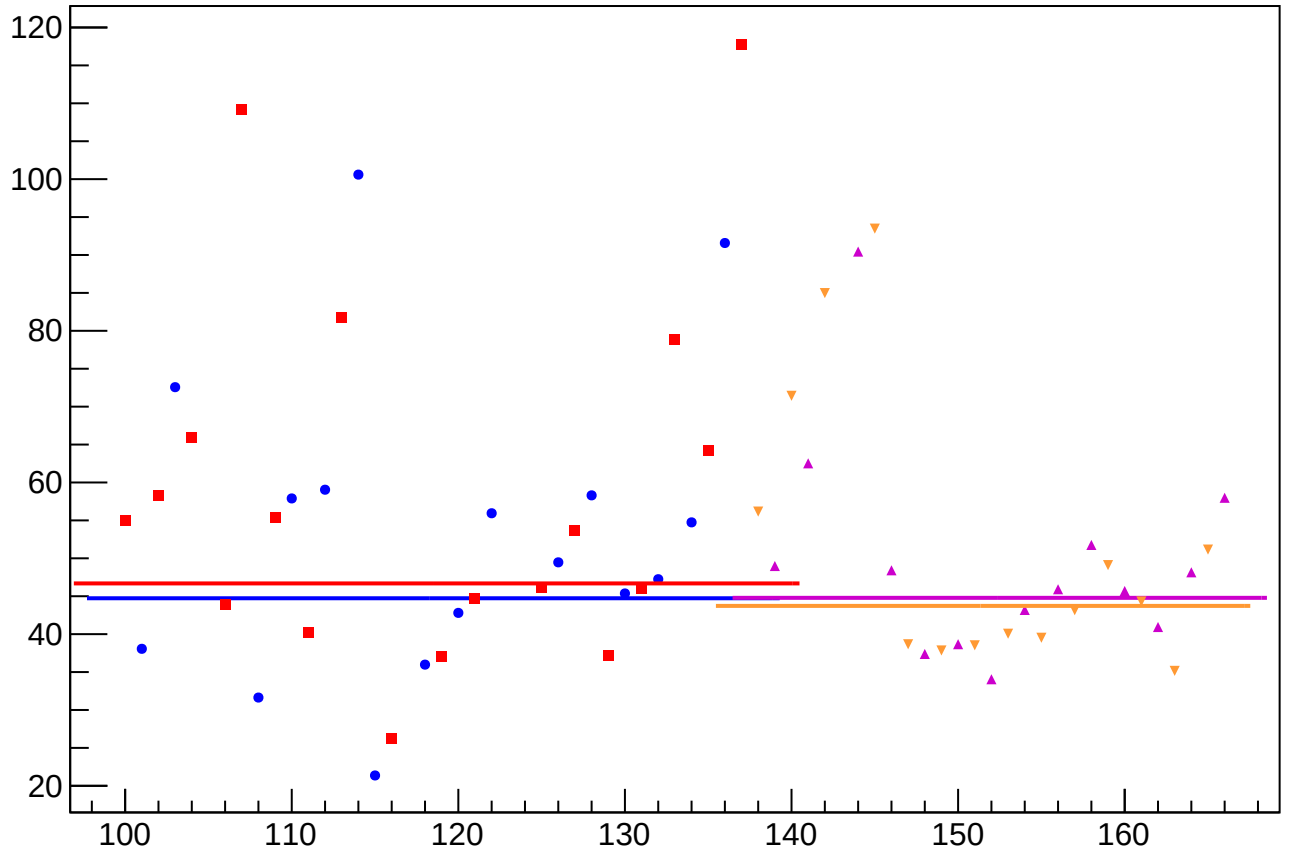
Left: -0.015+/-0.010 χ^2/NDF: 35.1/27

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.015+/-0.008 χ^2/NDF: 89.8/61



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185638.2/13

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.788+/-0.010 χ^2/NDF:947036.7/13

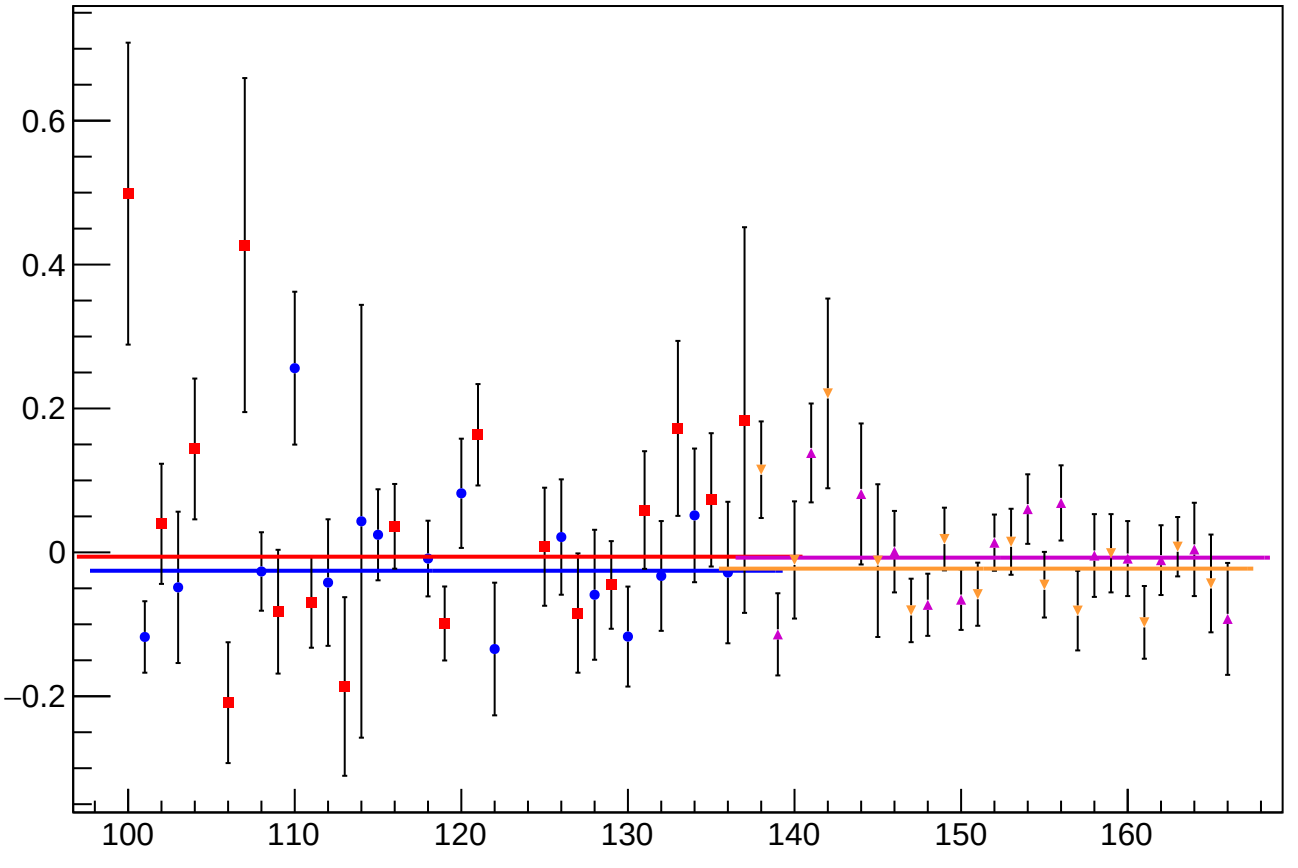
Left: 44.262+/-0.007 χ^2/NDF: 2138252.6/27

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.768+/-0.008 χ^2/NDF:2281652.1/29

Out: 44.769+/-0.008 χ^2/NDF:2411421.9/31

All: 44.768+/-0.006 χ^2/NDF: 4693074.0/61



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.007+/-0.014 χ^2/NDF:18.6/13

Left: -0.015+/-0.010 χ^2/NDF: 35.1/27

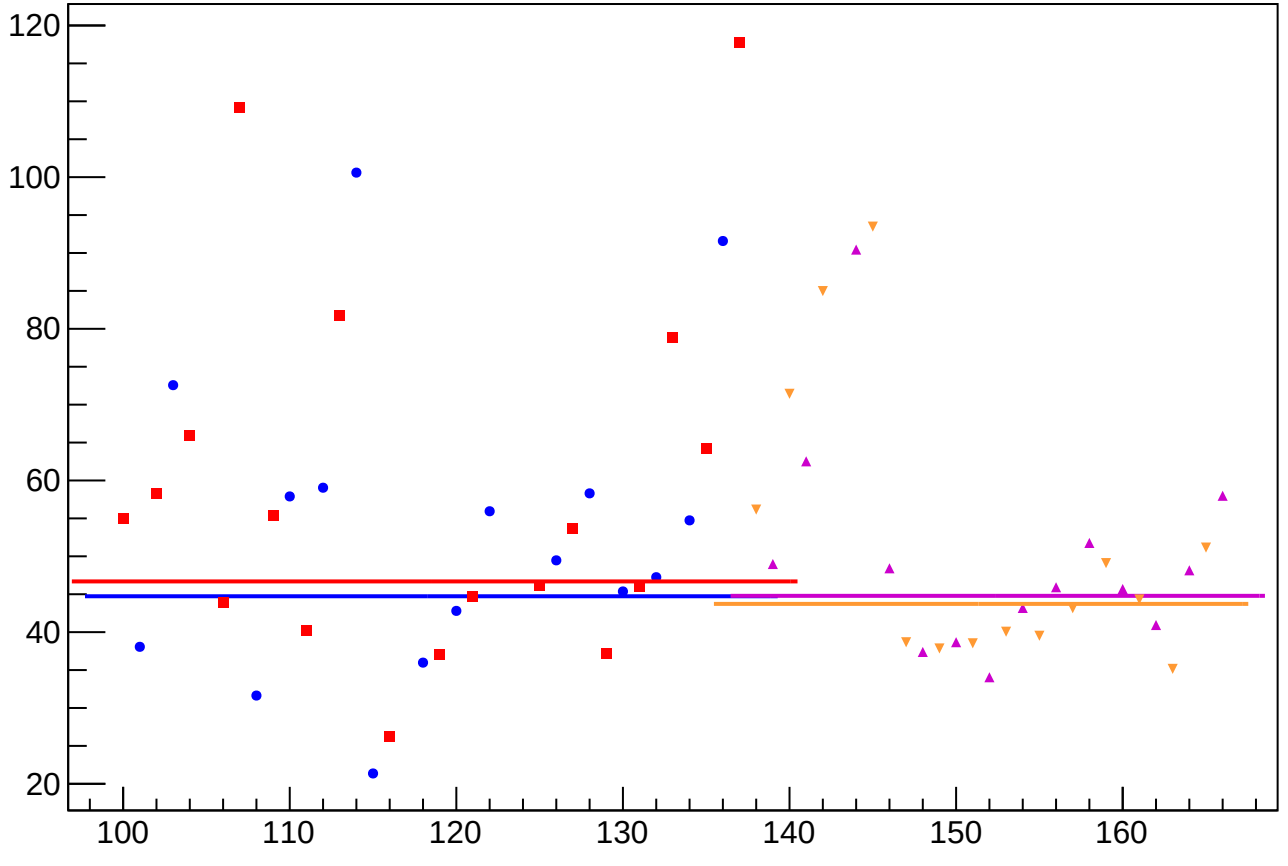
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.011 χ^2/NDF:36.8/29

Out: -0.017+/-0.012 χ^2/NDF:52.9/31

All: -0.015+/-0.008 χ^2/NDF: 89.8/61

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185638.2/13

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.788+/-0.010 χ^2/NDF:947036.7/13

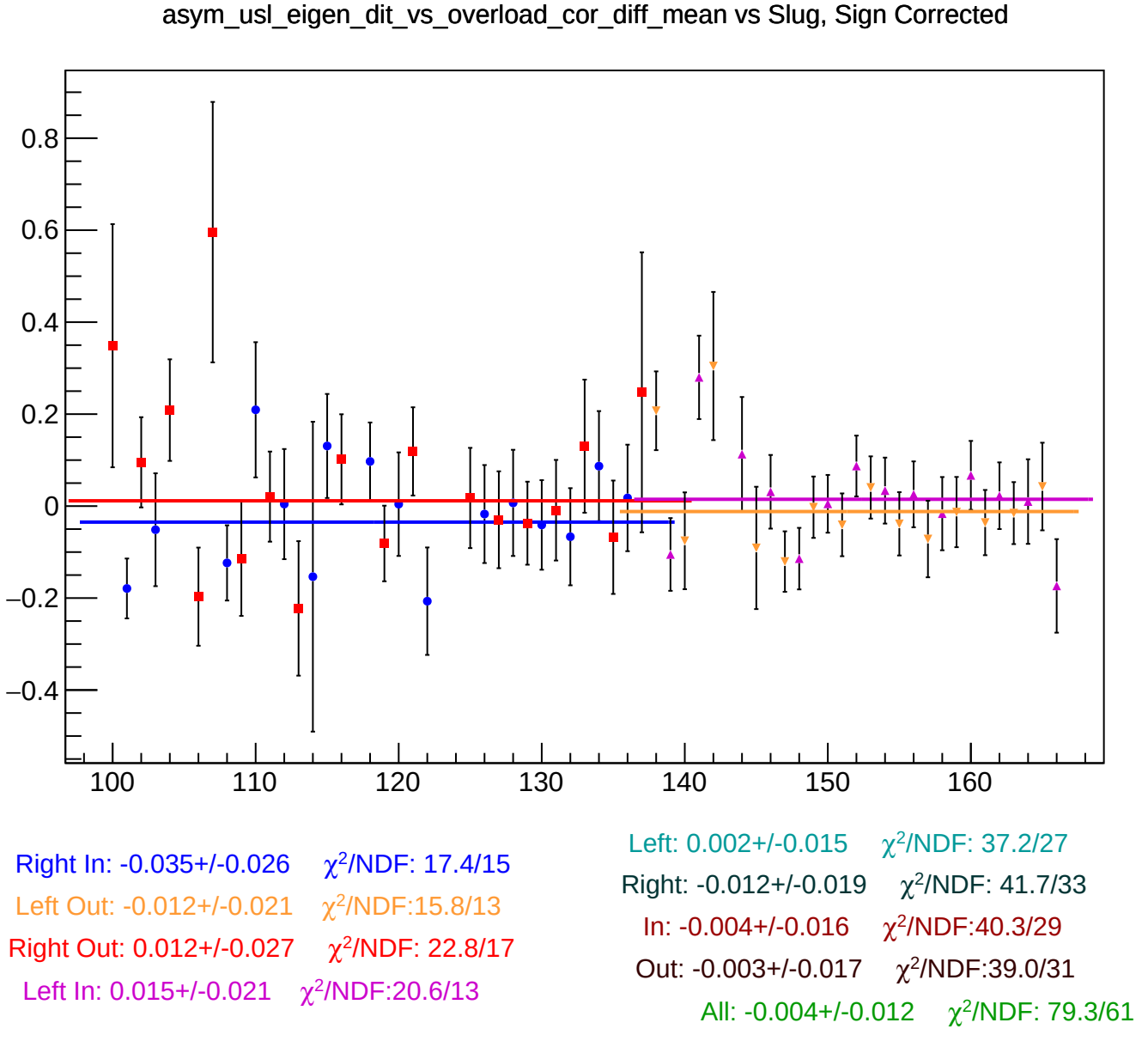
Left: 44.262+/-0.007 χ^2/NDF: 2138252.6/27

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.768+/-0.008 χ^2/NDF:2281652.1/29

Out: 44.769+/-0.008 χ^2/NDF:2411421.9/31

All: 44.768+/-0.006 χ^2/NDF: 4693074.0/61


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
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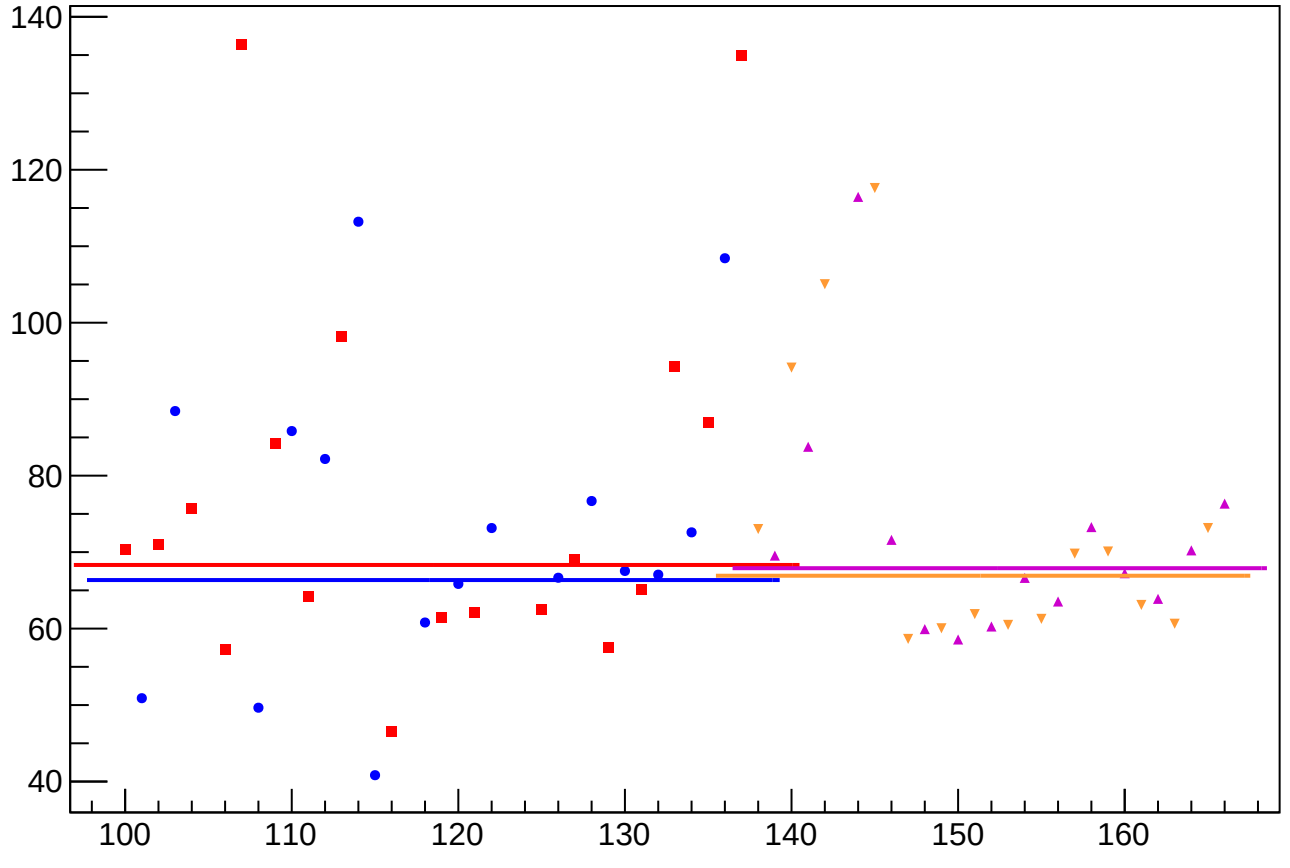
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.012+/-0.021 χ²/NDF:15.8/13
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.015+/-0.021 χ²/NDF:20.6/13
Left: 0.002+/-0.015 χ²/NDF: 37.2/27
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.004+/-0.016 χ²/NDF:40.3/29
Out: -0.003+/-0.017 χ²/NDF:39.0/31
All: -0.004+/-0.012 χ²/NDF: 79.3/61



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 66.913+/-0.015 χ^2/NDF:679047.6/13

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.898+/-0.015 χ^2/NDF:509109.7/13

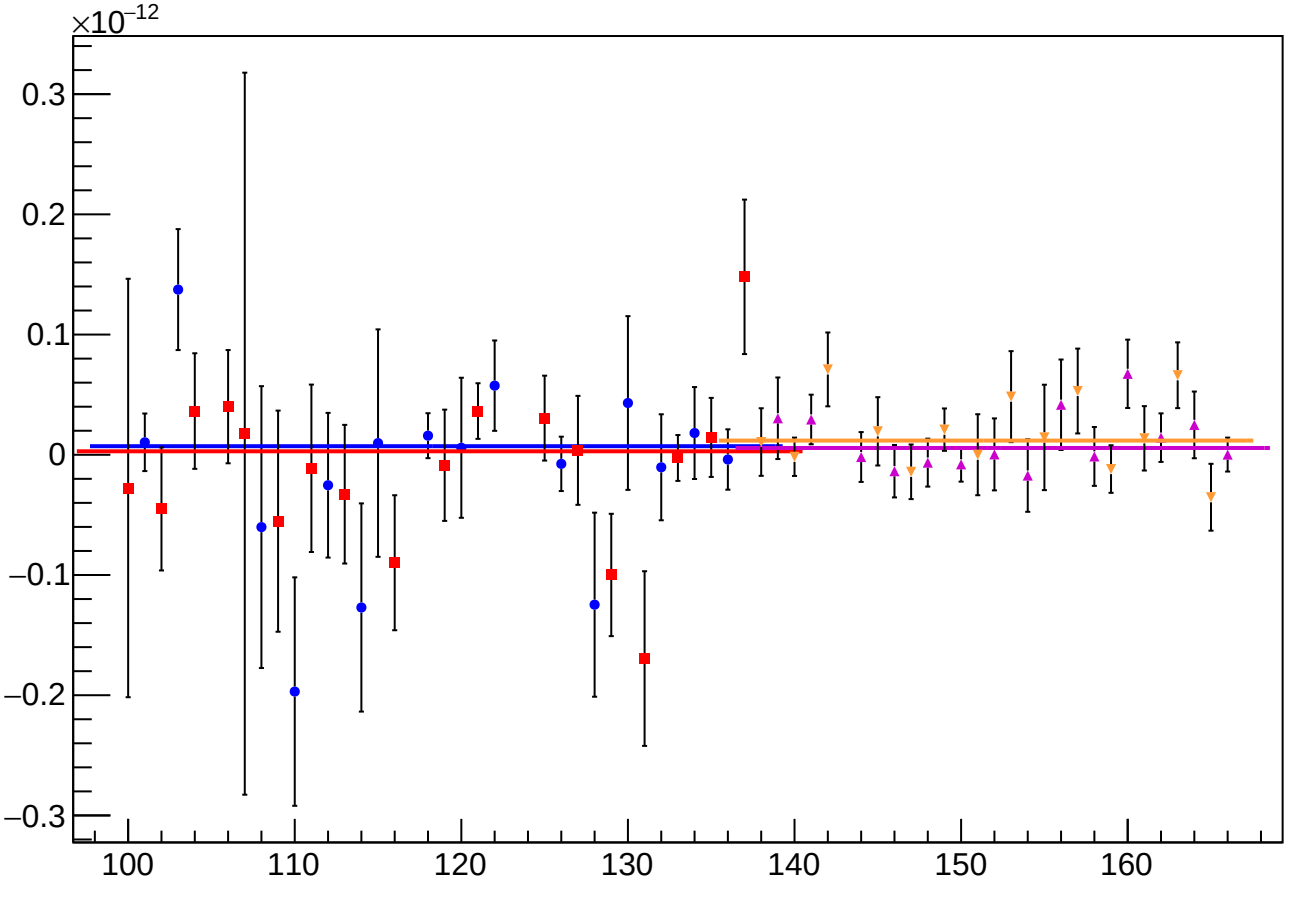
Left: 67.413+/-0.010 χ^2/NDF: 1190392.1/27

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.305+/-0.011 χ^2/NDF:1286069.6/29

Out: 67.446+/-0.012 χ^2/NDF:1312119.6/31

All: 67.374+/-0.008 χ^2/NDF: 2598263.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

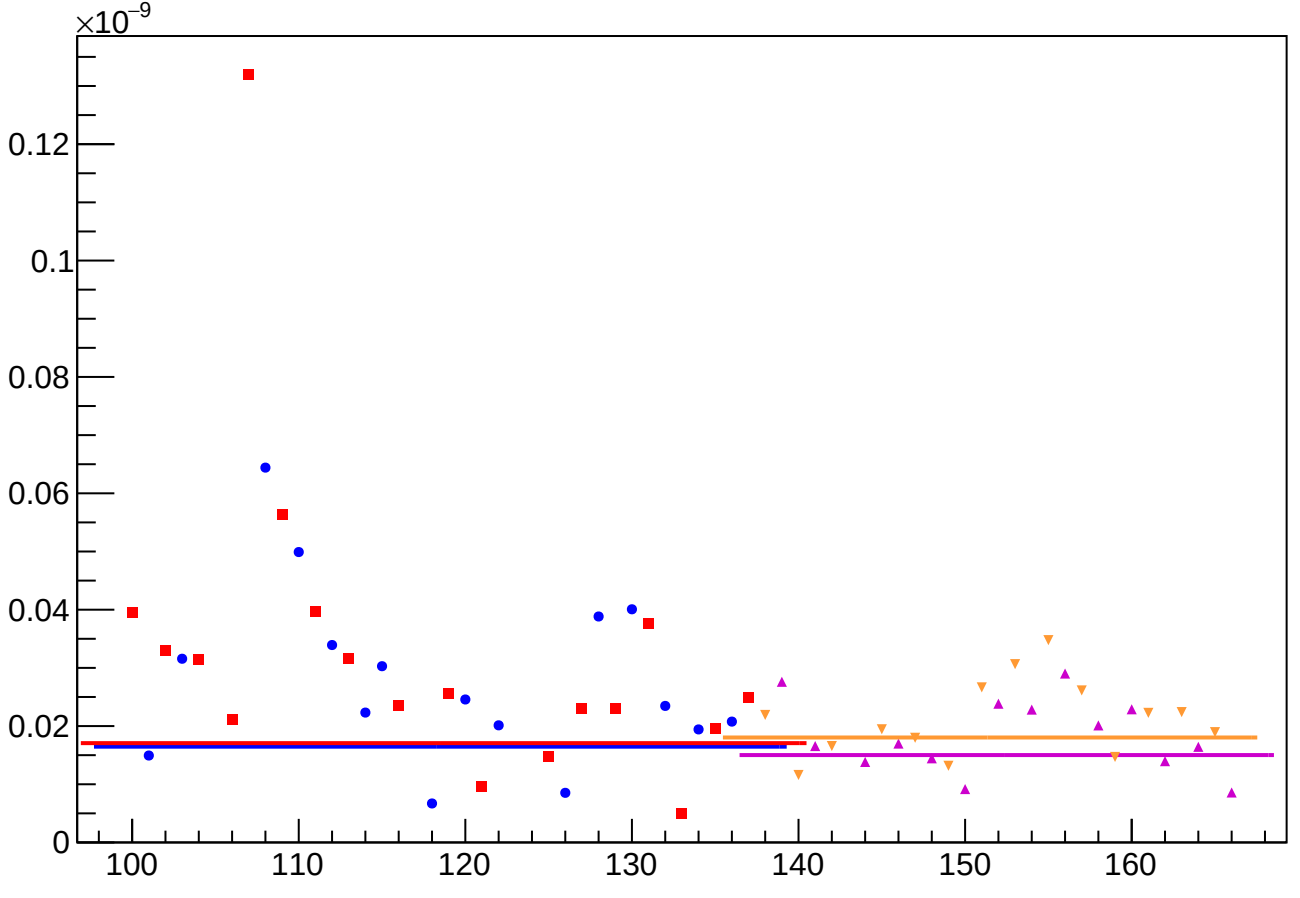
Left: 0.000+/-0.000 χ^2/NDF: 28.4/27

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.6/29

Out: 0.000+/-0.000 χ^2/NDF:40.7/31

All: 0.000+/-0.000 χ^2/NDF: 72.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1434960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891967.1/13

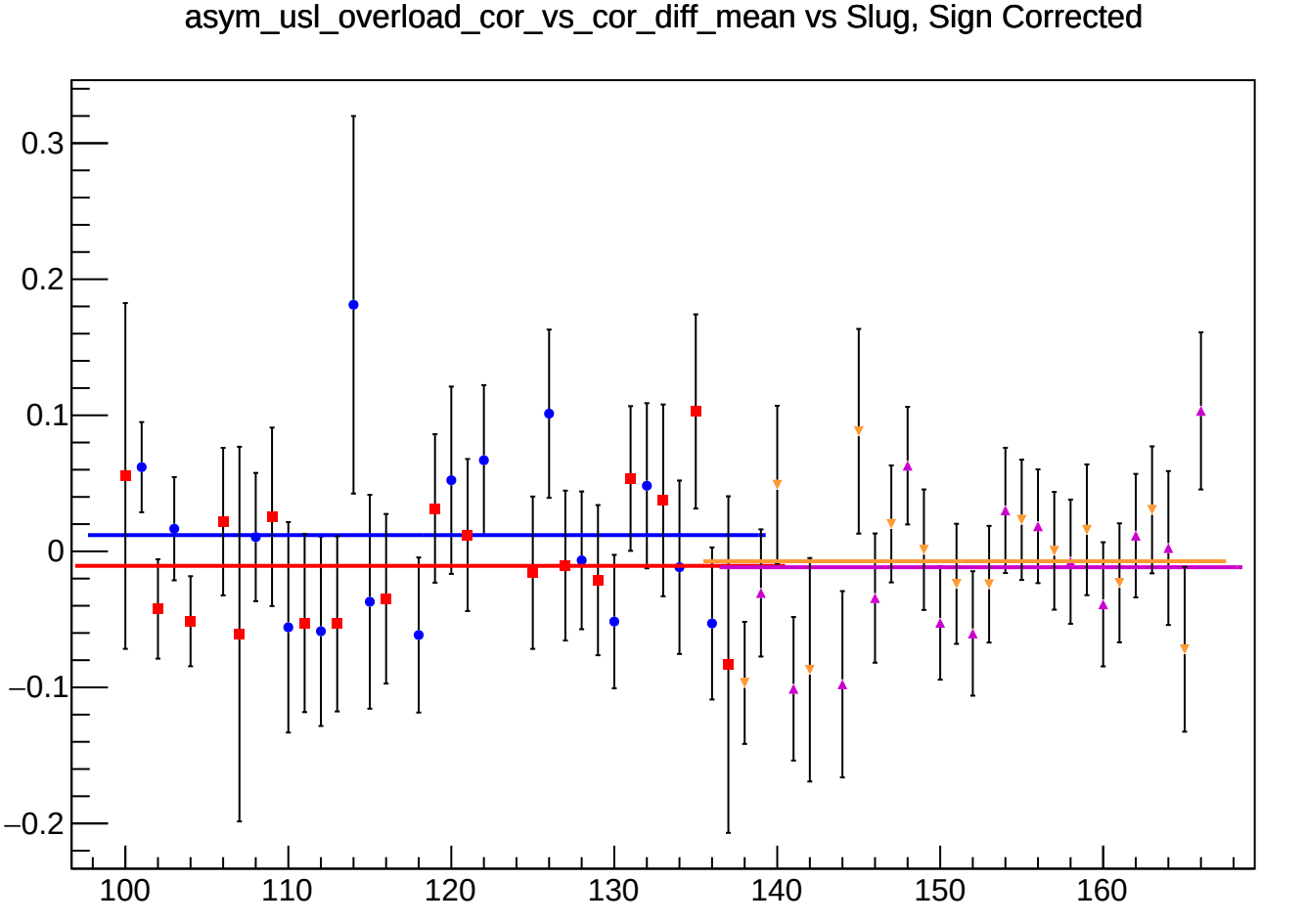
Left: 0.000+/-0.000 χ^2/NDF: 3557936.3/27

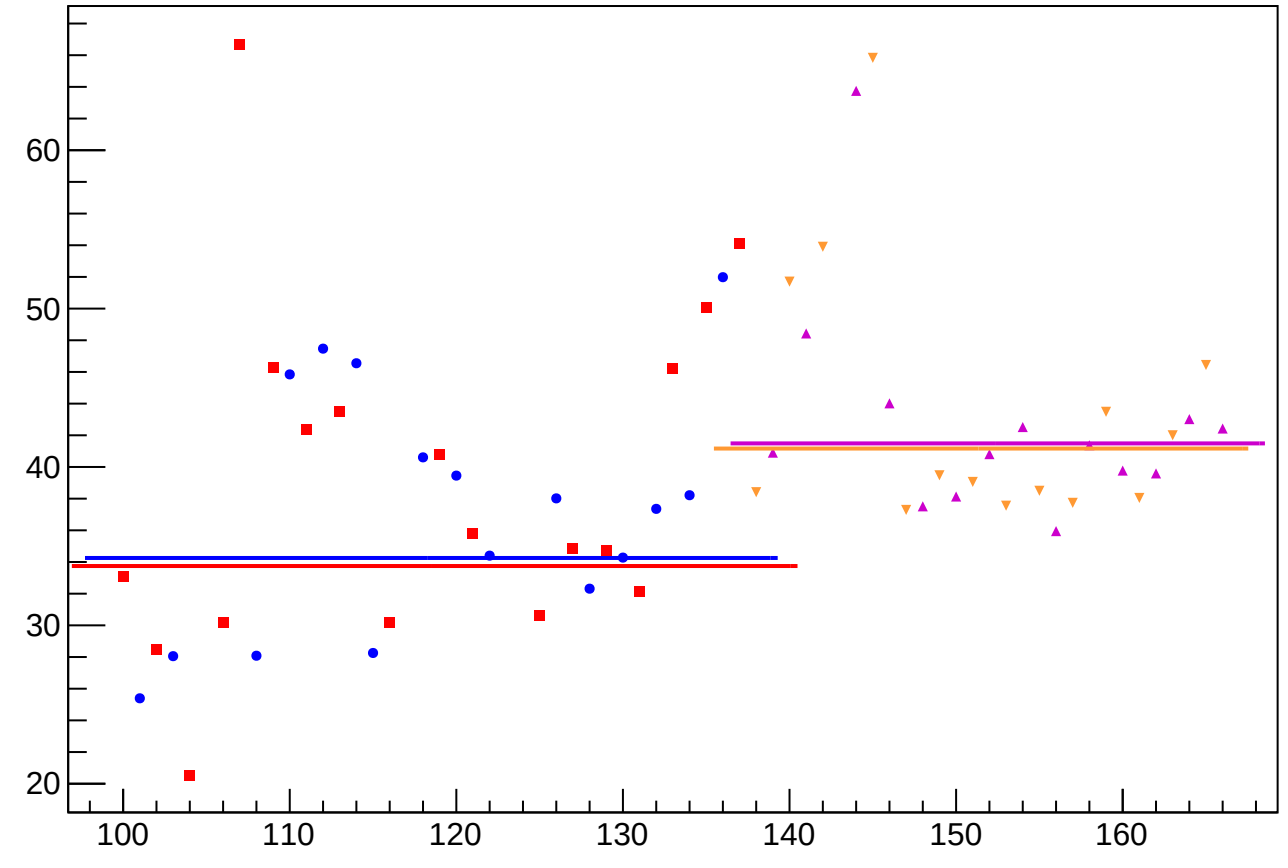
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4273090.4/29

Out: 0.000+/-0.000 χ^2/NDF:4239569.8/31

All: 0.000+/-0.000 χ^2/NDF: 8705139.2/61


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.007+/-0.013 χ²/NDF:10.9/13
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.012+/-0.013 χ²/NDF:15.9/13
Left: -0.010+/-0.009 χ²/NDF: 26.8/27
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:32.2/29
Out: -0.009+/-0.009 χ²/NDF:20.8/31
All: -0.005+/-0.007 χ²/NDF: 53.4/61



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.163+/-0.009 χ^2/NDF:424964.3/13

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.489+/-0.009 χ^2/NDF:326744.3/13

Left: 41.329+/-0.006 χ^2/NDF: 752351.0/27

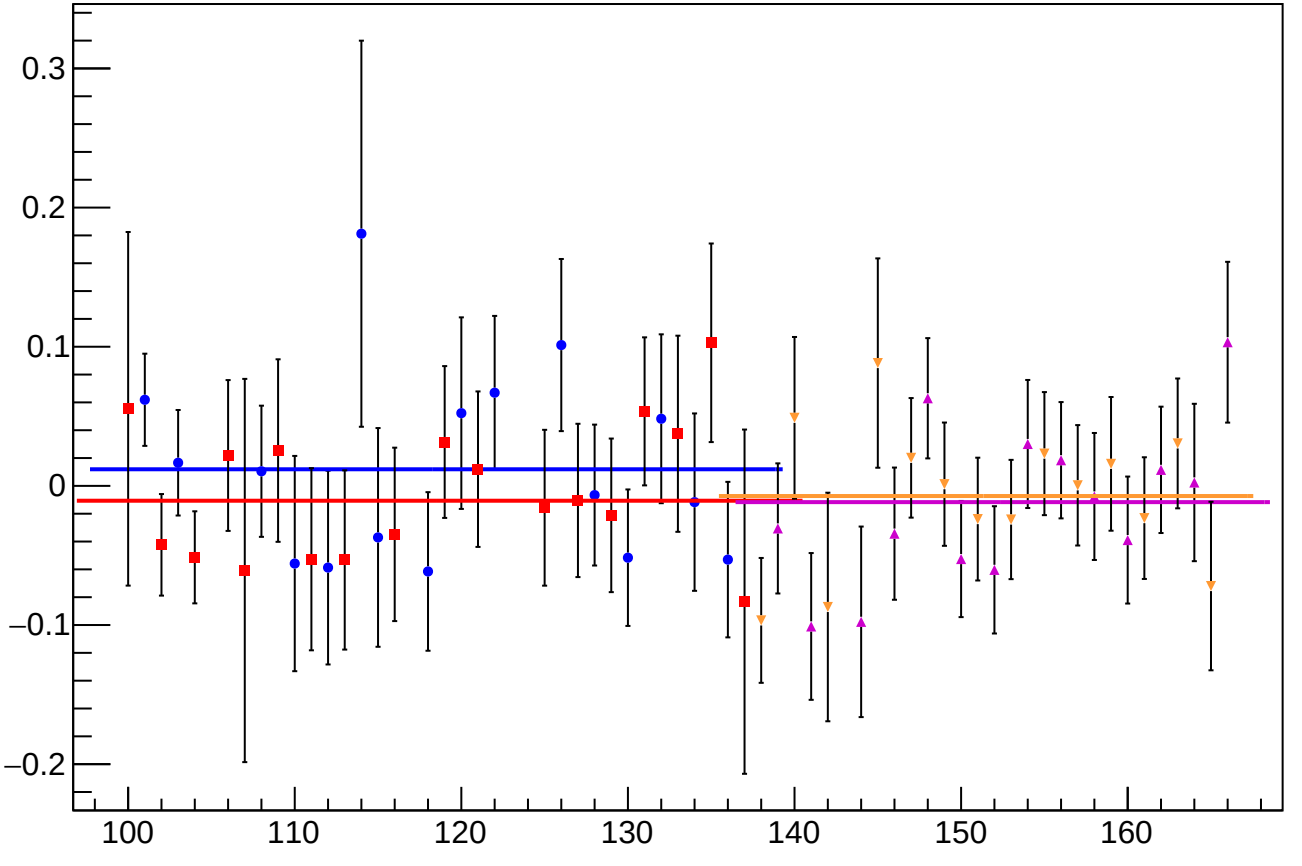
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.112+/-0.007 χ^2/NDF:1263924.5/29

Out: 37.592+/-0.007 χ^2/NDF:1652668.3/31

All: 37.853+/-0.005 χ^2/NDF: 2919701.3/61

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.007+/-0.013 χ^2/NDF:10.9/13

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.012+/-0.013 χ^2/NDF:15.9/13

Left: -0.010+/-0.009 χ^2/NDF: 26.8/27

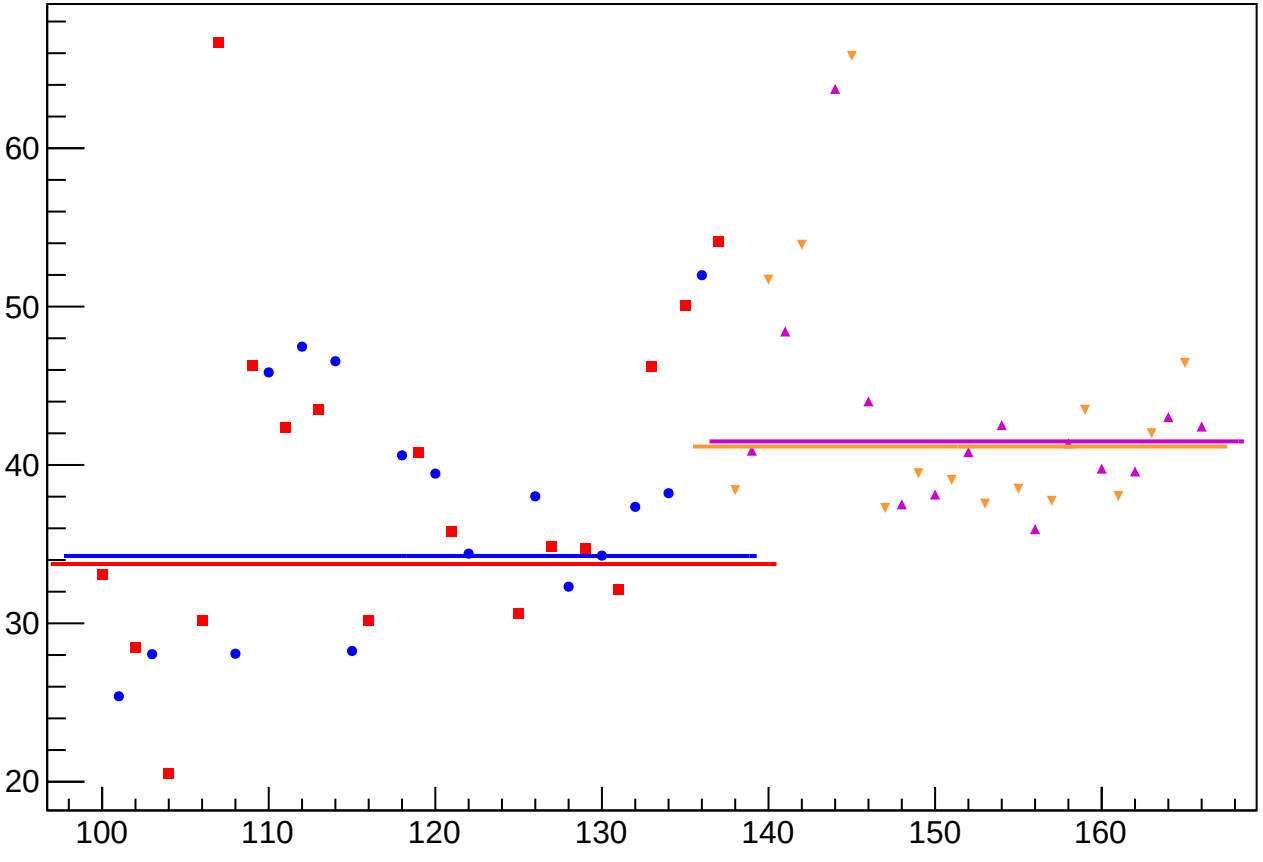
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.001+/-0.009 χ^2/NDF:32.2/29

Out: -0.009+/-0.009 χ^2/NDF:20.8/31

All: -0.005+/-0.007 χ^2/NDF: 53.4/61

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.163+/-0.009 χ^2/NDF:424964.3/13

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.489+/-0.009 χ^2/NDF:326744.3/13

Left: 41.329+/-0.006 χ^2/NDF: 752351.0/27

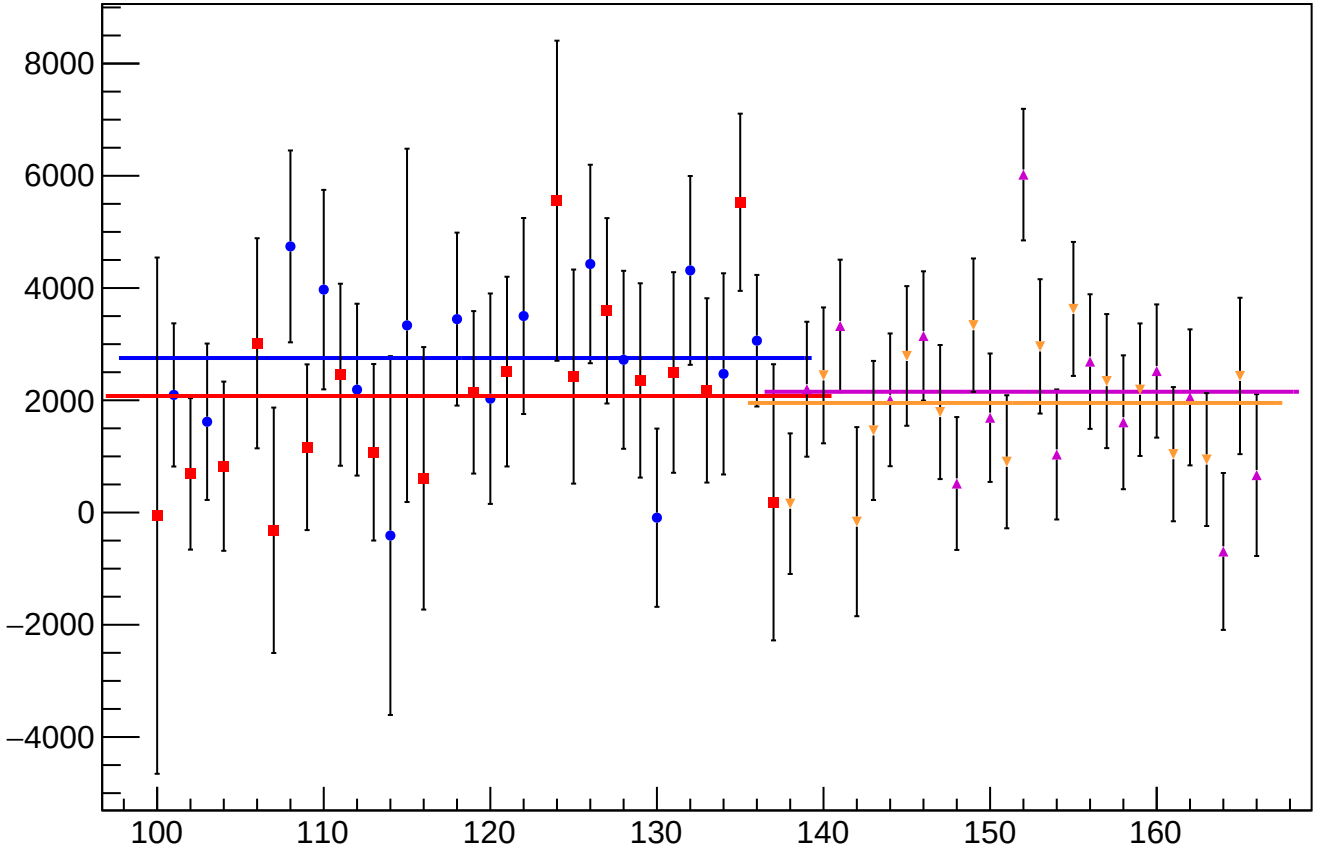
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.112+/-0.007 χ^2/NDF:1263924.5/29

Out: 37.592+/-0.007 χ^2/NDF:1652668.3/31

All: 37.853+/-0.005 χ^2/NDF: 2919701.3/61

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

Left: 2050.902+/-226.779 χ^2/NDF: 32.4/28

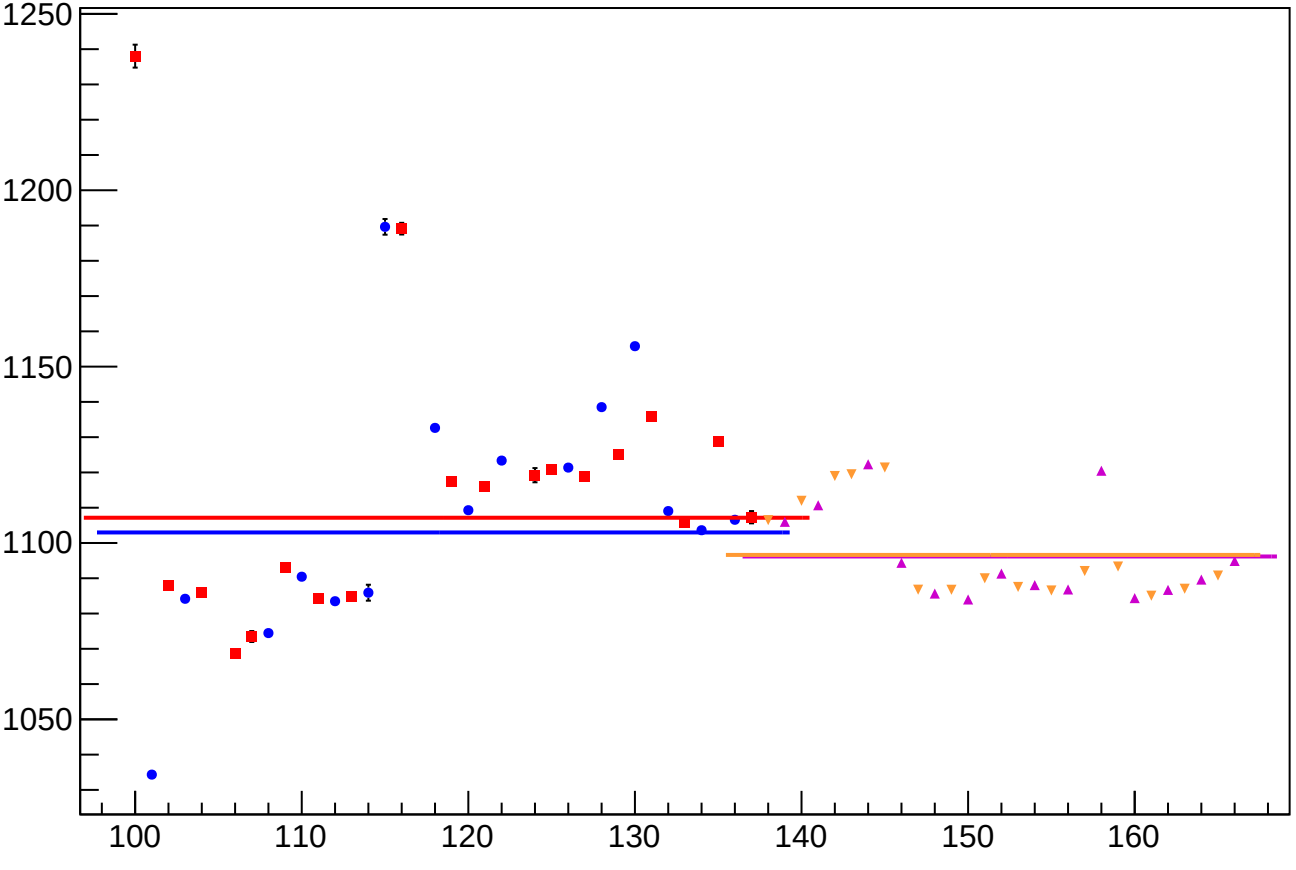
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2188.466+/-178.086 χ^2/NDF: 56.7/63

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

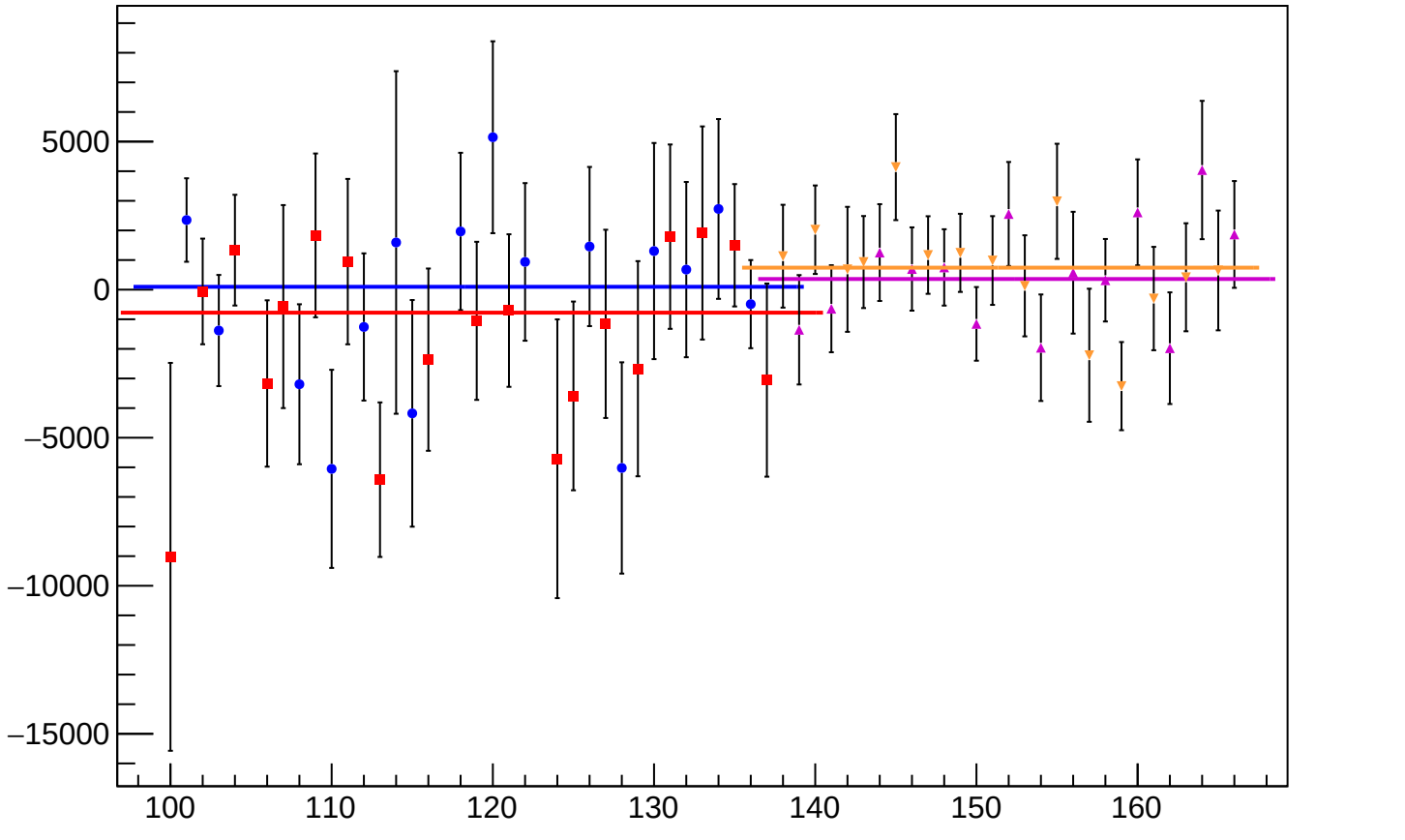
Left: 1096.398+/-0.160 χ^2/NDF: 6519.6/28

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.735+/-0.126 χ^2/NDF: 29661.9/63



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 359.340+/-432.176 χ^2/NDF:12.8/13

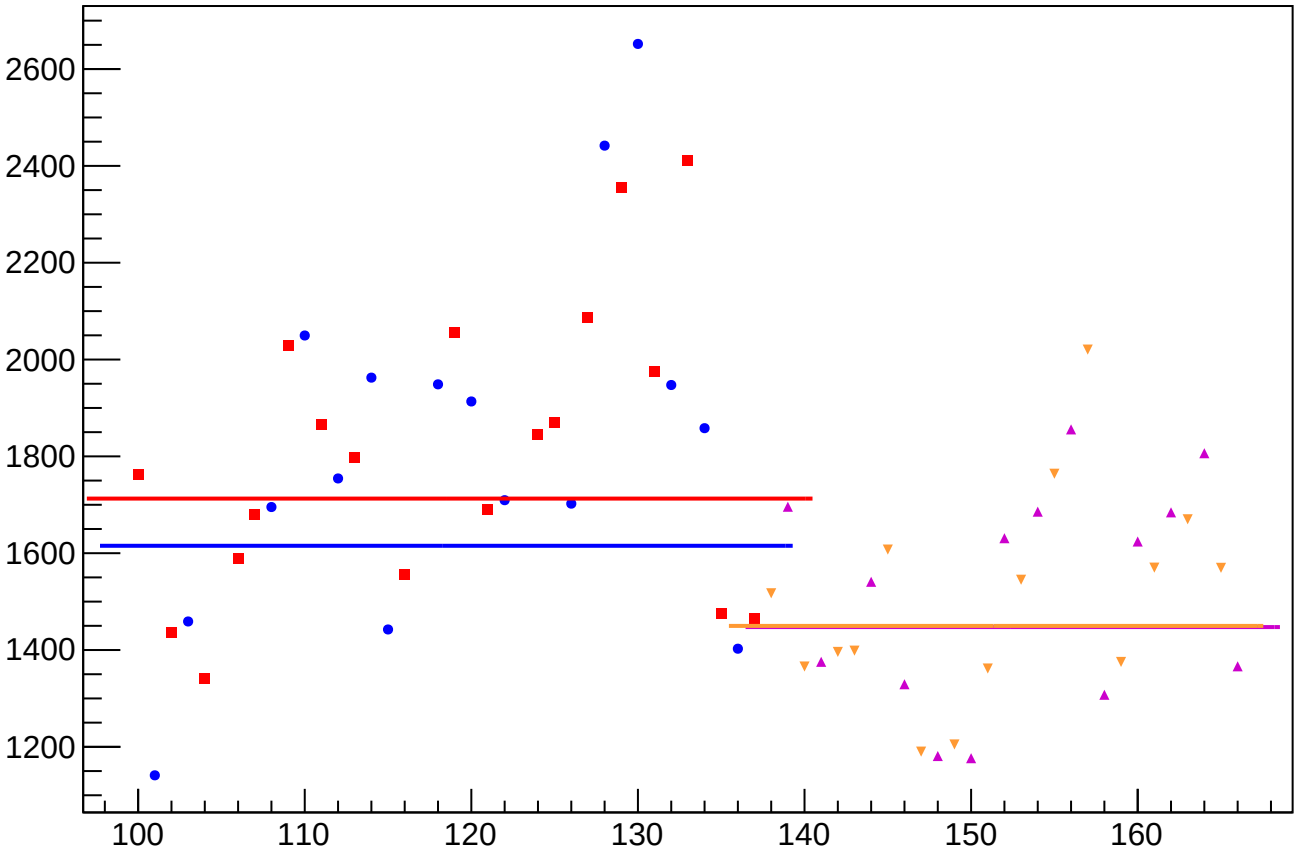
Left: 552.842+/-304.048 χ^2/NDF: 28.7/28

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 272.855+/-354.184 χ^2/NDF:29.8/29

Out: 270.088+/-355.156 χ^2/NDF:34.5/33

All: 271.475+/-250.789 χ^2/NDF: 64.3/63



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

Left: 1448.625+/-0.215 χ^2/NDF: 921197.1/28

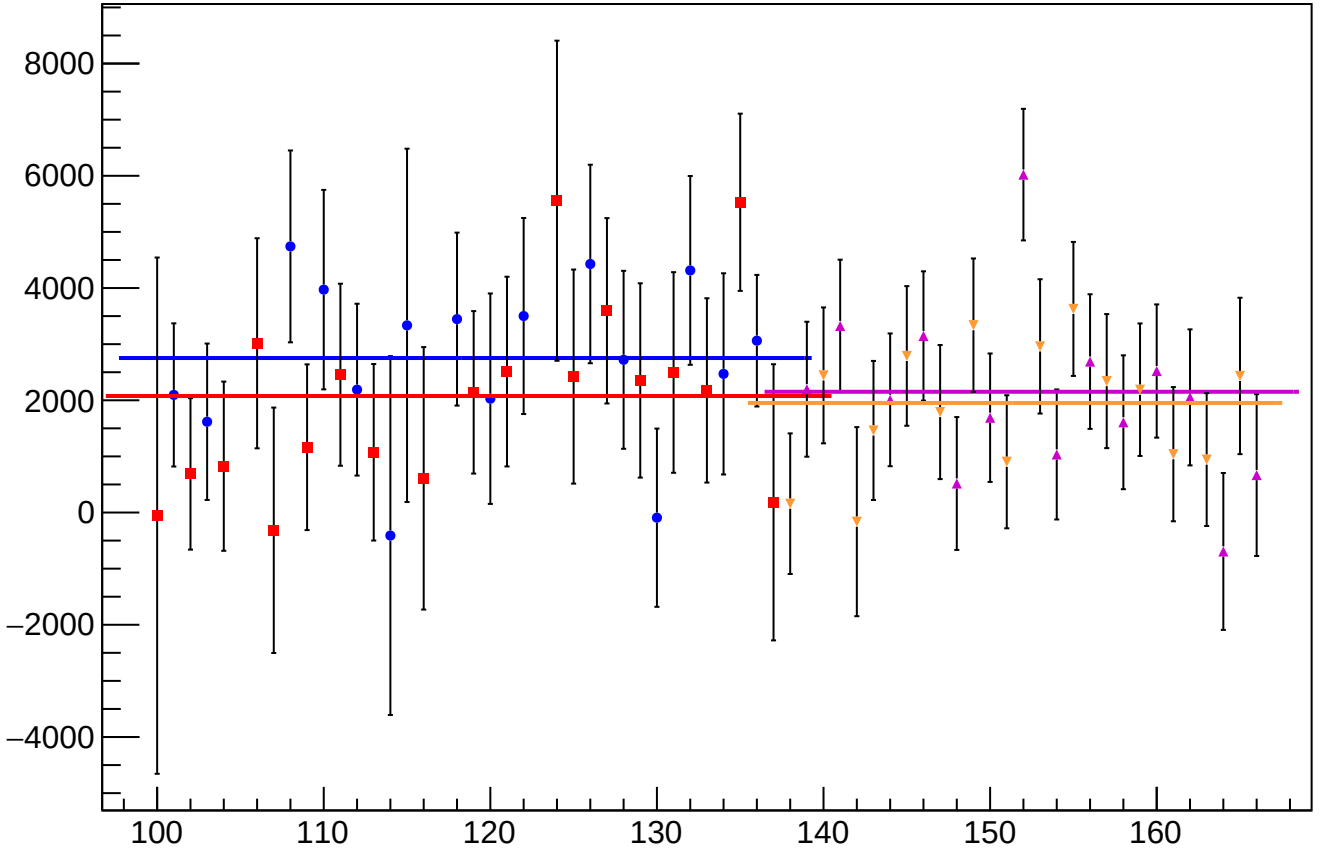
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1517.019+/-0.177 χ^2/NDF: 2383616.7/63

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

Left: 2050.902+/-226.779 χ^2/NDF: 32.4/28

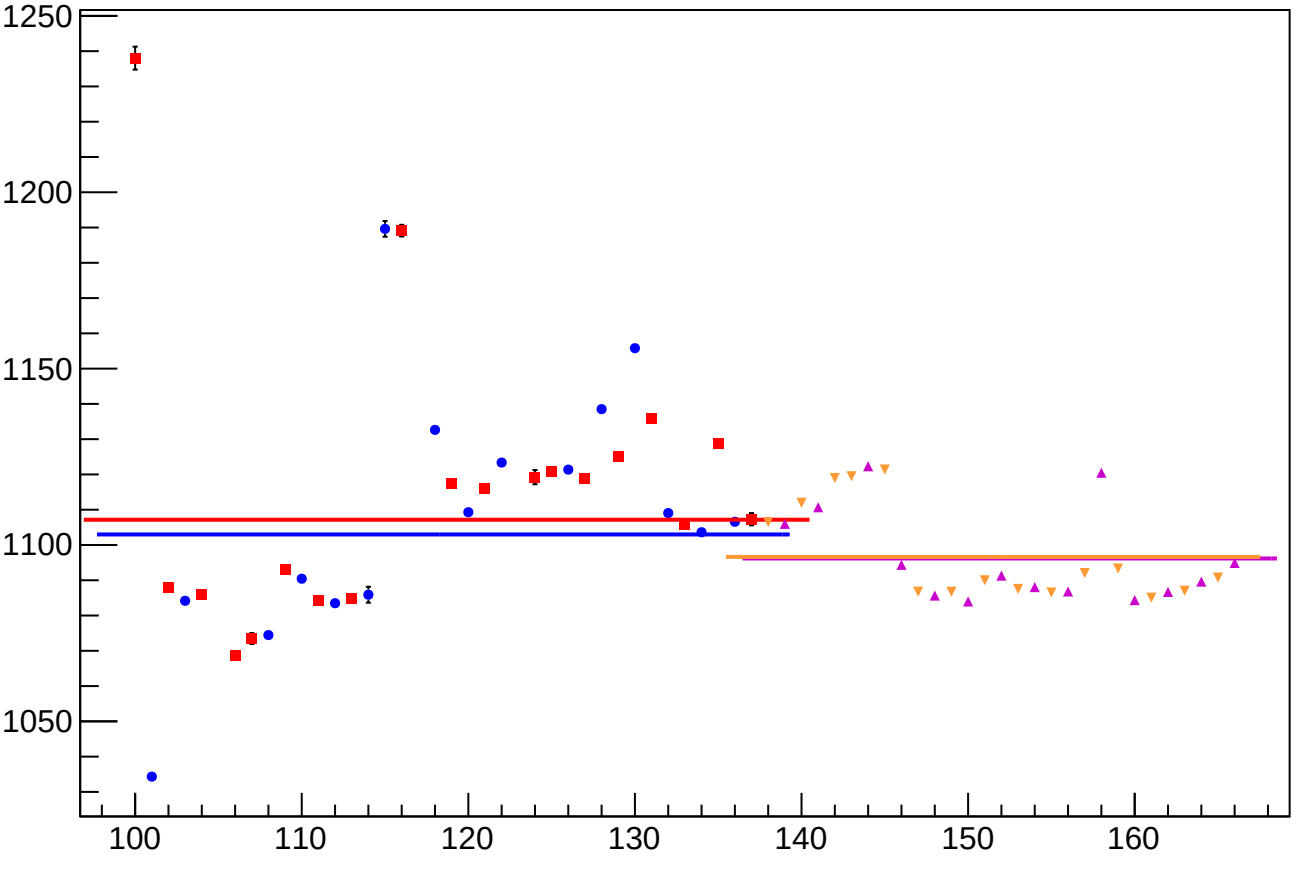
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2188.466+/-178.086 χ^2/NDF: 56.7/63

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

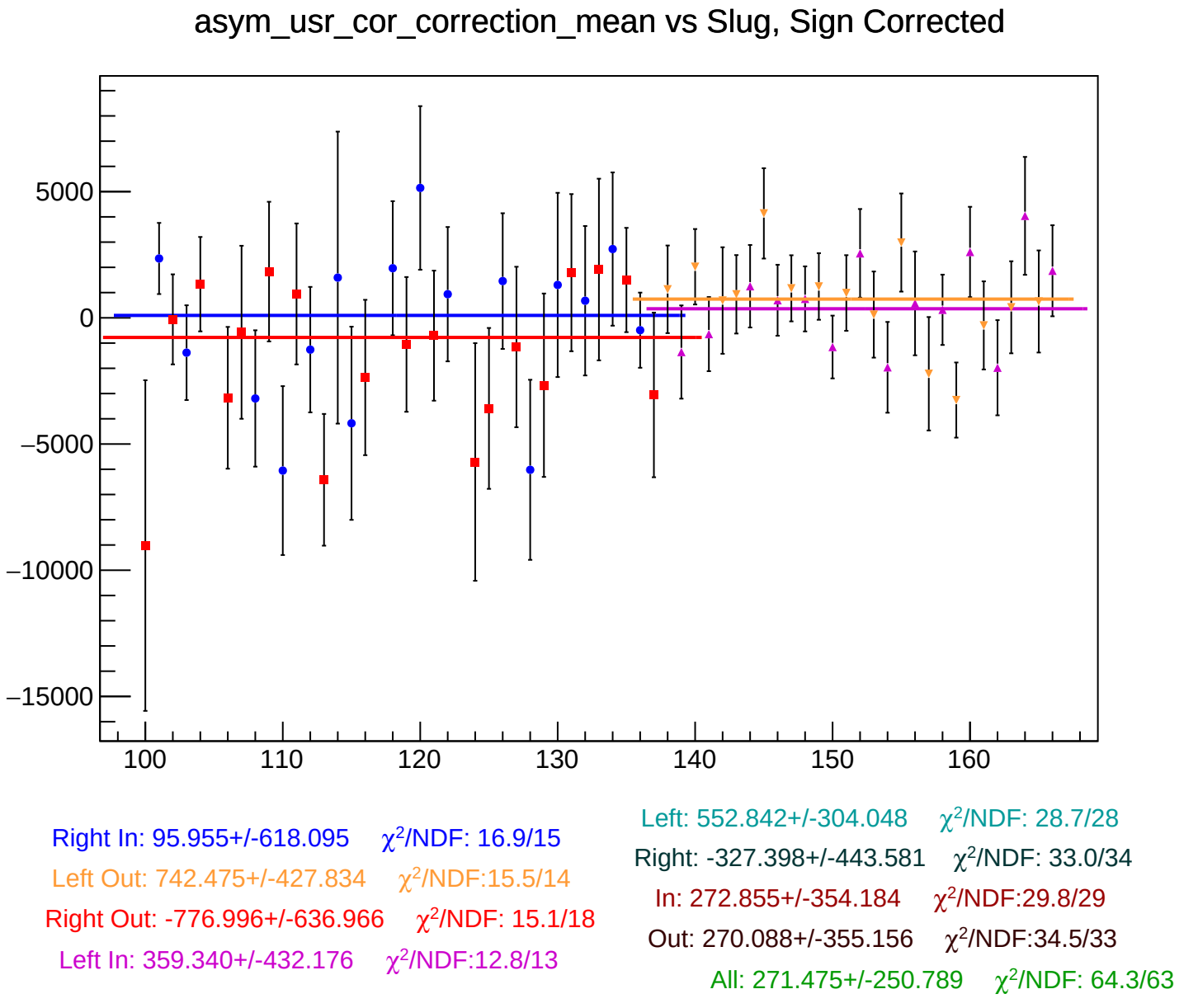
Left: 1096.398+/-0.160 χ^2/NDF: 6519.6/28

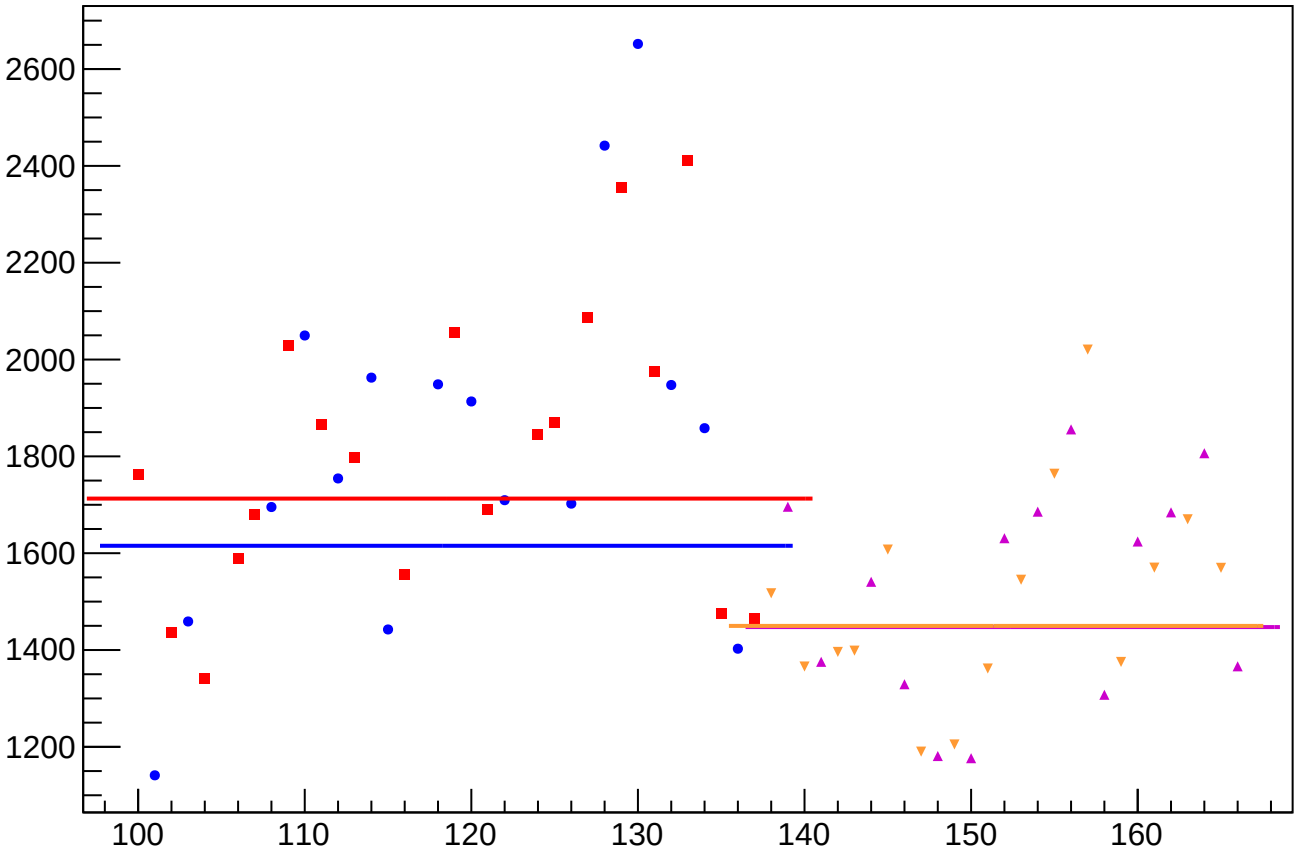
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.735+/-0.126 χ^2/NDF: 29661.9/63


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 742.475+/-427.834 χ²/NDF:15.5/14
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 359.340+/-432.176 χ²/NDF:12.8/13
Left: 552.842+/-304.048 χ²/NDF: 28.7/28
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 272.855+/-354.184 χ²/NDF:29.8/29
Out: 270.088+/-355.156 χ²/NDF:34.5/33
All: 271.475+/-250.789 χ²/NDF: 64.3/63



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

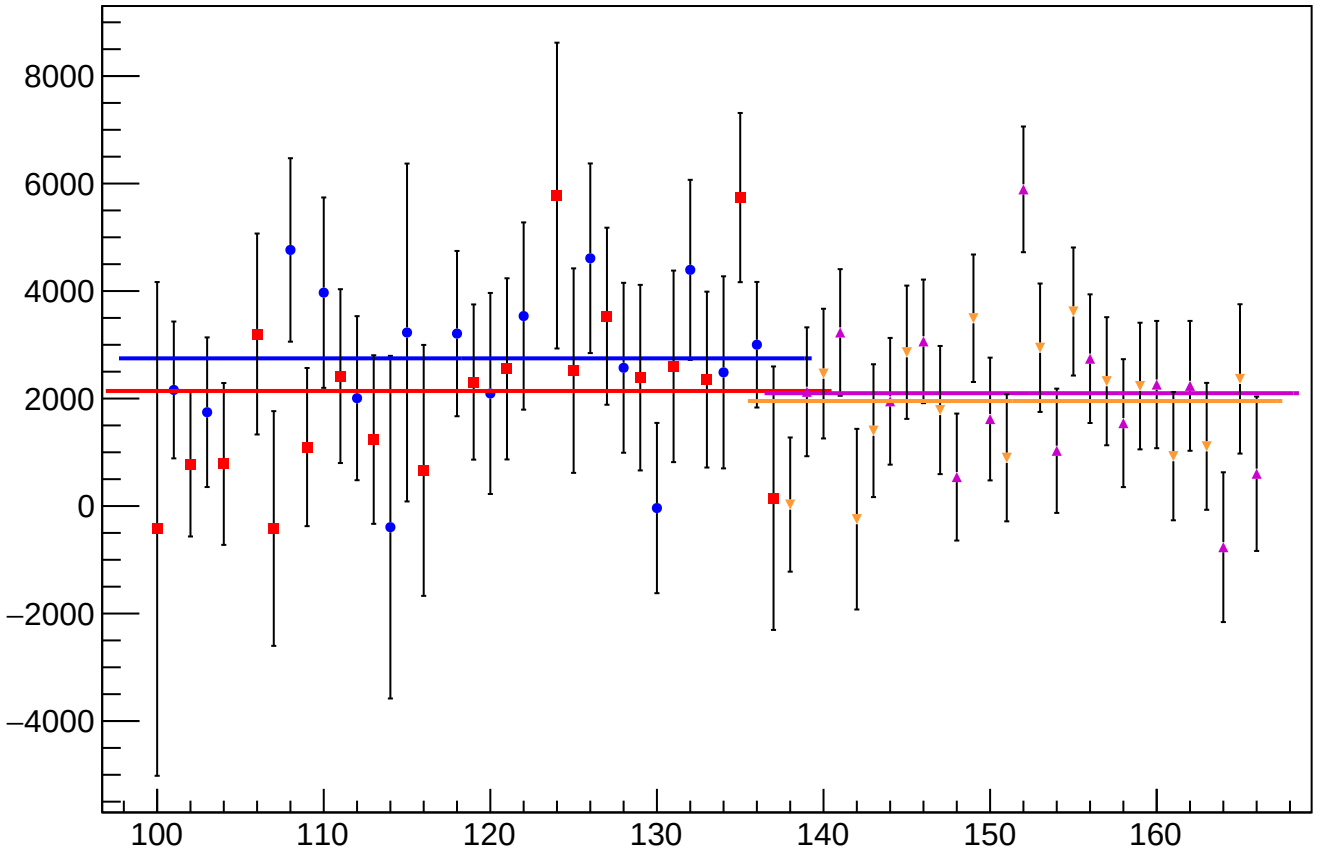
Left: 1448.625+/-0.215 χ^2/NDF: 921197.1/28

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1517.019+/-0.177 χ^2/NDF: 2383616.7/63



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1954.195+/-318.035 χ^2/NDF:11.6/14

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2099.743+/-321.770 χ^2/NDF:20.8/13

Left: 2026.119+/-226.194 χ^2/NDF: 32.5/28

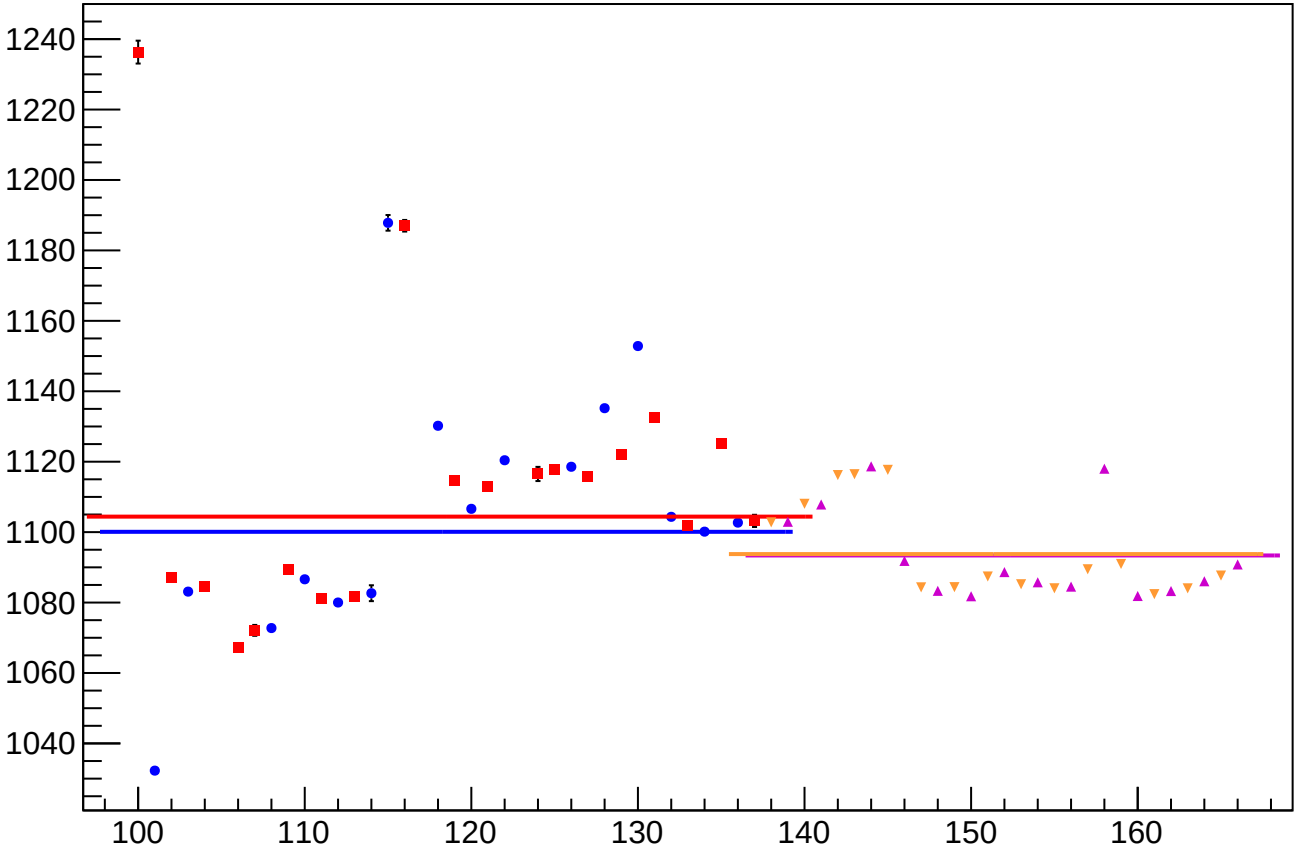
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2347.734+/-252.832 χ^2/NDF:31.8/29

Out: 2025.998+/-249.607 χ^2/NDF:25.3/33

All: 2184.801+/-177.628 χ^2/NDF: 58.0/63

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.766+/-0.225 χ^2/NDF:3097.7/14

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.374+/-0.228 χ^2/NDF:3181.4/13

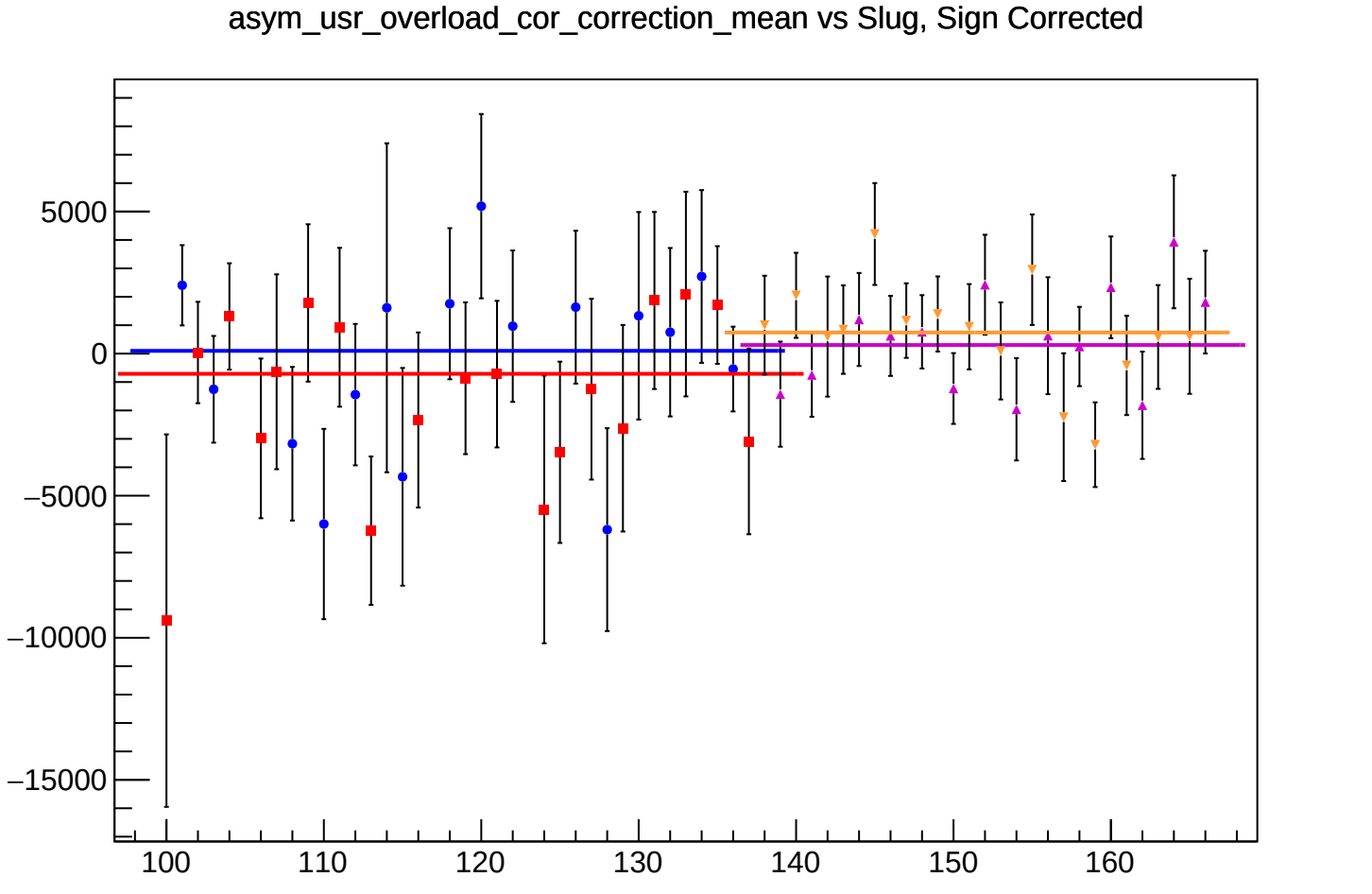
Left: 1093.573+/-0.160 χ^2/NDF: 6280.5/28

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1095.944+/-0.179 χ^2/NDF:16591.8/29

Out: 1097.851+/-0.176 χ^2/NDF:12500.3/33

All: 1096.910+/-0.126 χ^2/NDF: 29149.8/63



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 743.466+/-428.498 χ^2/NDF:15.6/14

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 302.472+/-432.830 χ^2/NDF:12.1/13

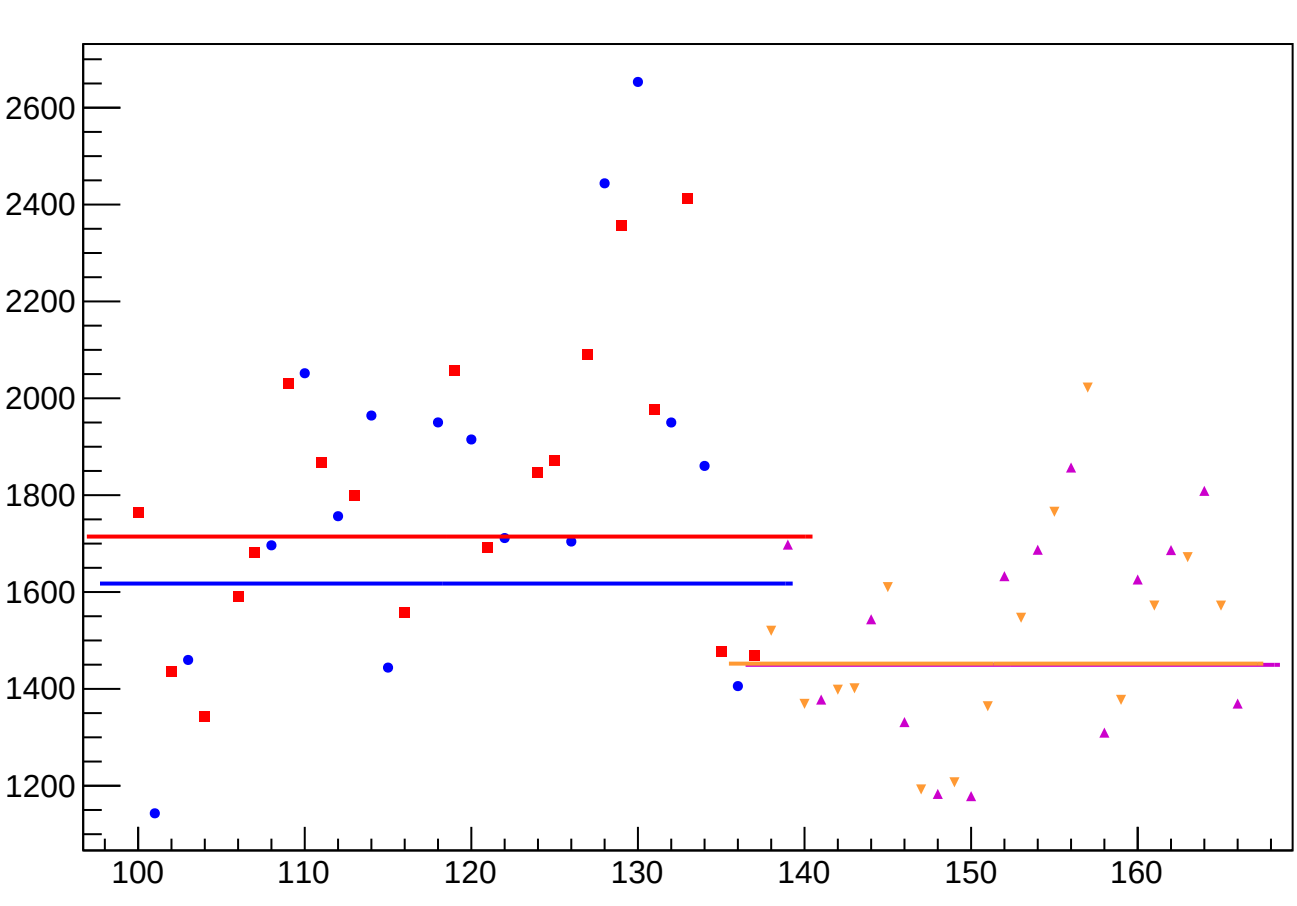
Left: 525.187+/-304.514 χ^2/NDF: 28.2/28

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 235.124+/-354.691 χ^2/NDF:29.4/29

Out: 290.839+/-355.644 χ^2/NDF:34.1/33

All: 262.907+/-251.141 χ^2/NDF: 63.5/63



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1452.158+/-0.303 χ^2/NDF:419143.4/14

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1449.682+/-0.306 χ^2/NDF:498302.5/13

Left: 1450.932+/-0.215 χ^2/NDF: 917479.0/28

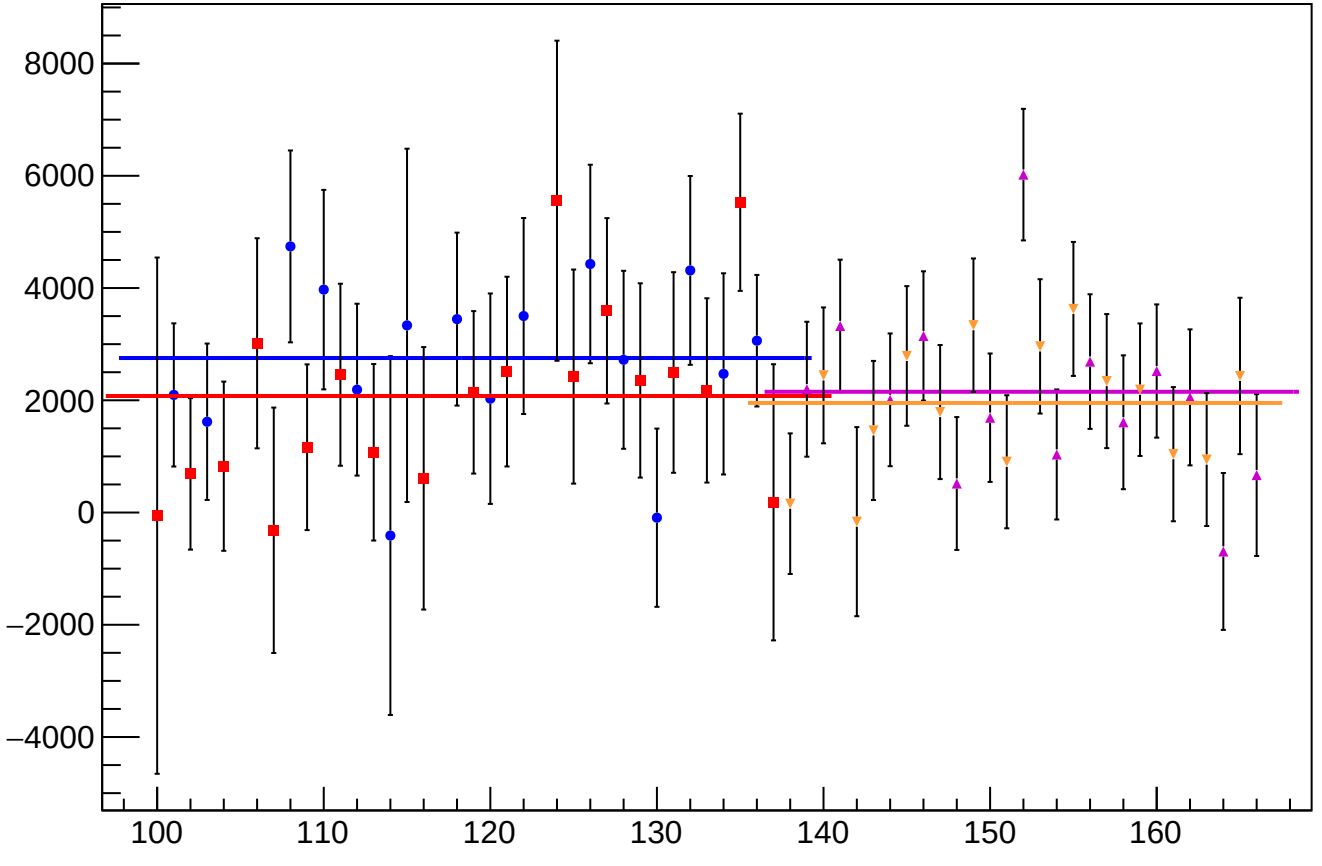
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1504.802+/-0.251 χ^2/NDF:1288774.5/29

Out: 1533.785+/-0.251 χ^2/NDF:1080115.7/33

All: 1519.254+/-0.178 χ^2/NDF: 2375549.4/63

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.690+/-322.594 χ^2/NDF:21.4/13

Left: 2050.902+/-226.779 χ^2/NDF: 32.4/28

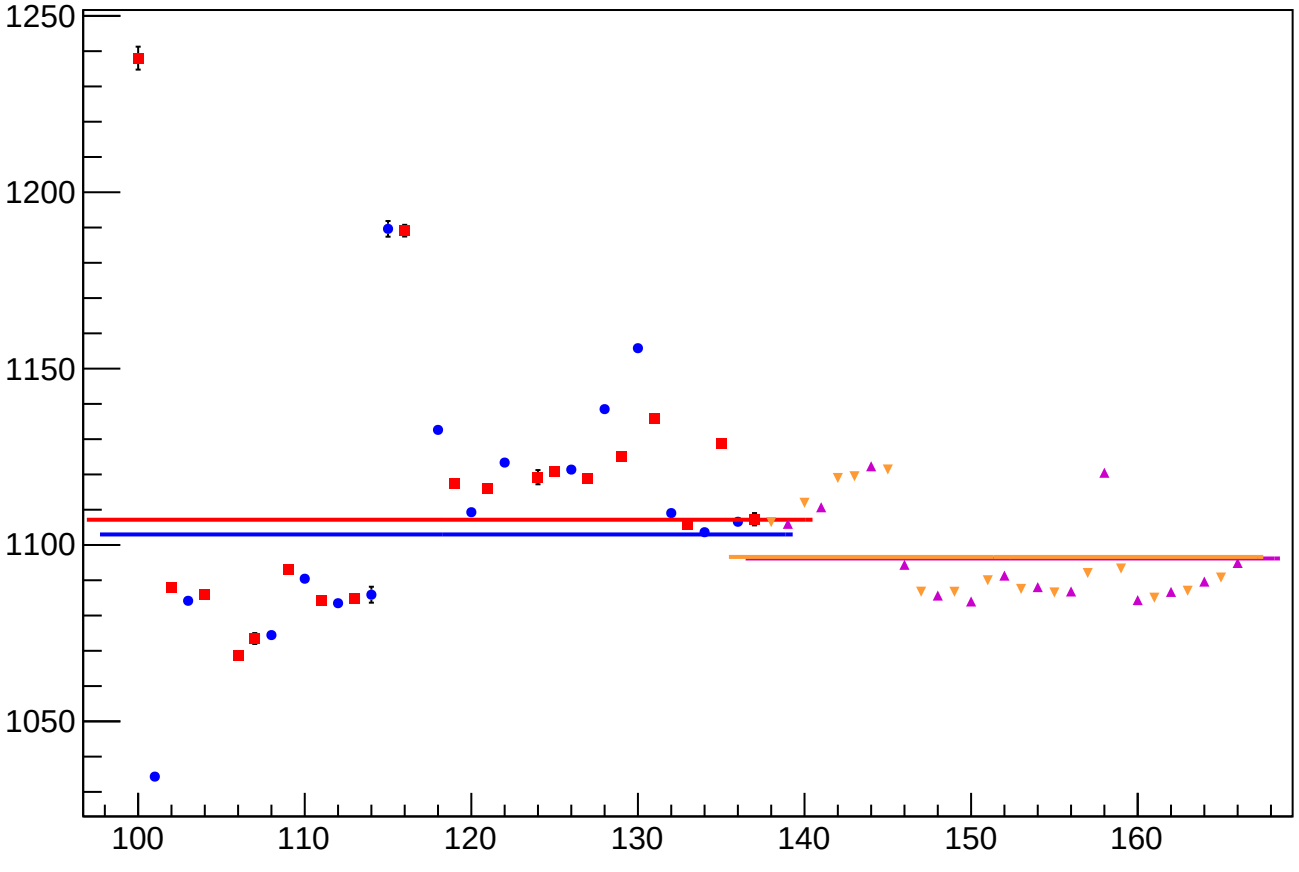
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2381.769+/-253.488 χ^2/NDF:32.2/29

Out: 2000.072+/-250.248 χ^2/NDF:23.4/33

All: 2188.466+/-178.086 χ^2/NDF: 56.7/63

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.174+/-0.228 χ^2/NDF:3252.8/13

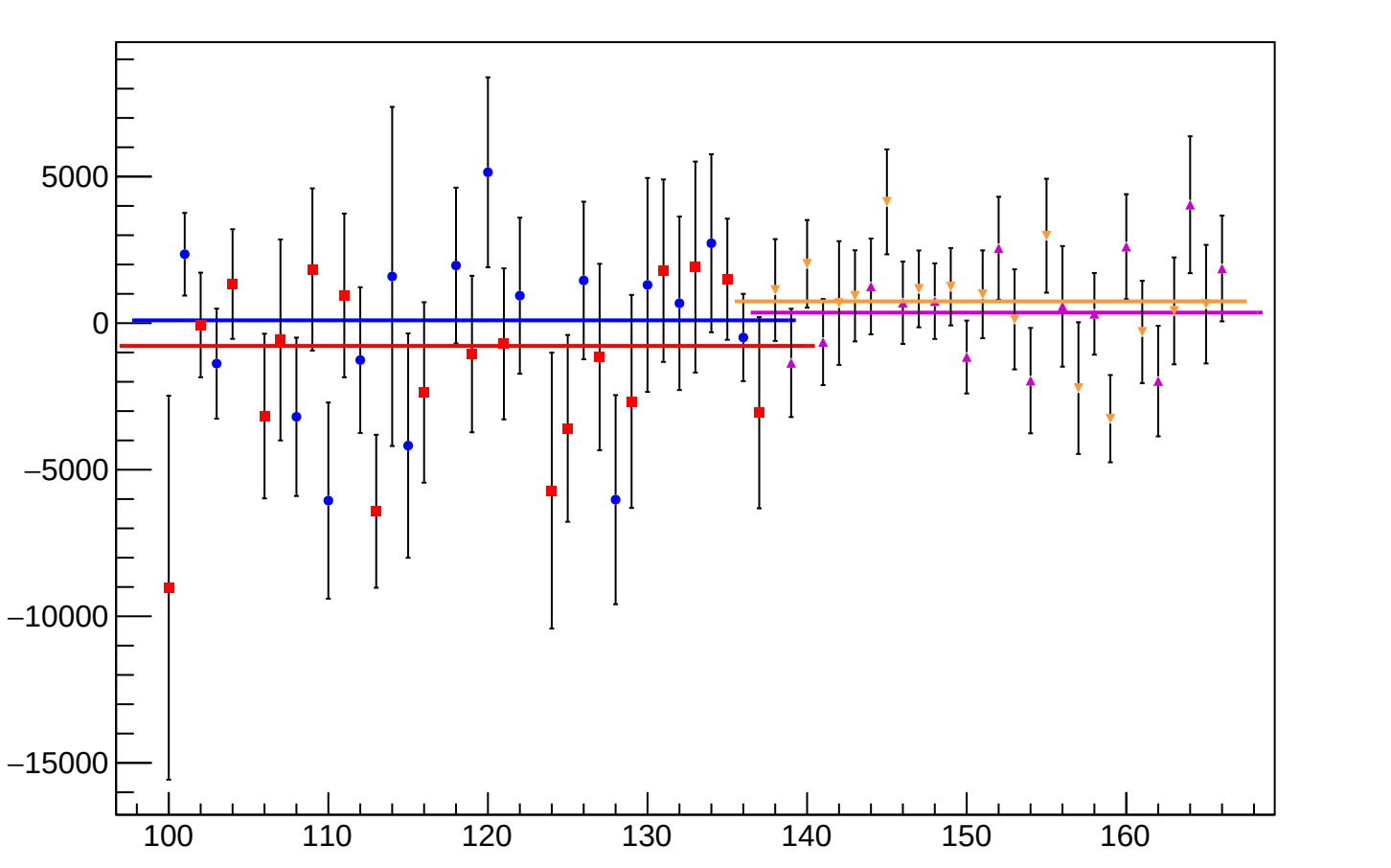
Left: 1096.398+/-0.160 χ^2/NDF: 6519.6/28

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.781+/-0.179 χ^2/NDF:16817.9/29

Out: 1100.666+/-0.177 χ^2/NDF:12788.0/33

All: 1099.735+/-0.126 χ^2/NDF: 29661.9/63



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 359.340+/-432.176 χ^2/NDF:12.8/13

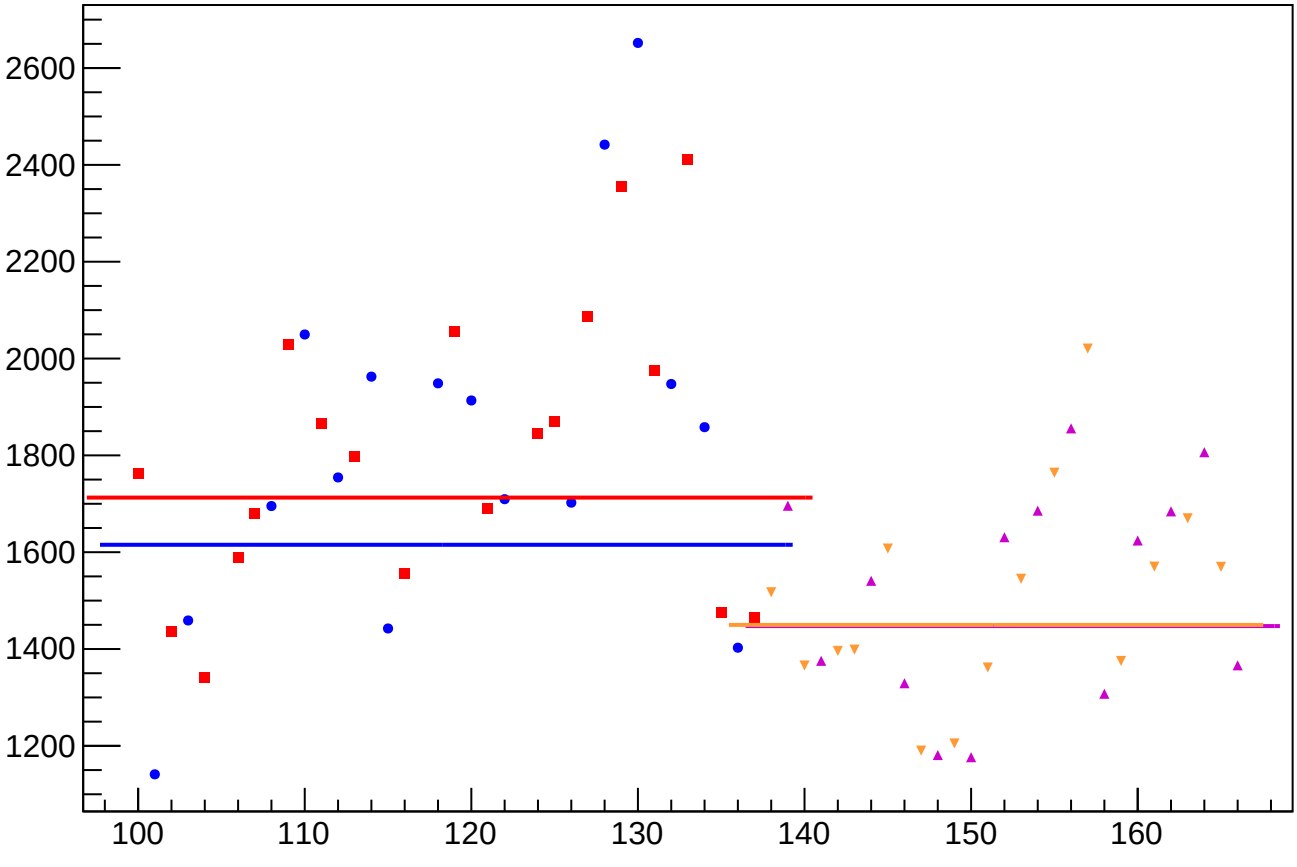
Left: 552.842+/-304.048 χ^2/NDF: 28.7/28

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 272.855+/-354.184 χ^2/NDF:29.8/29

Out: 270.088+/-355.156 χ^2/NDF:34.5/33

All: 271.475+/-250.789 χ^2/NDF: 64.3/63



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1447.408+/-0.306 χ^2/NDF:500241.0/13

Left: 1448.625+/-0.215 χ^2/NDF: 921197.1/28

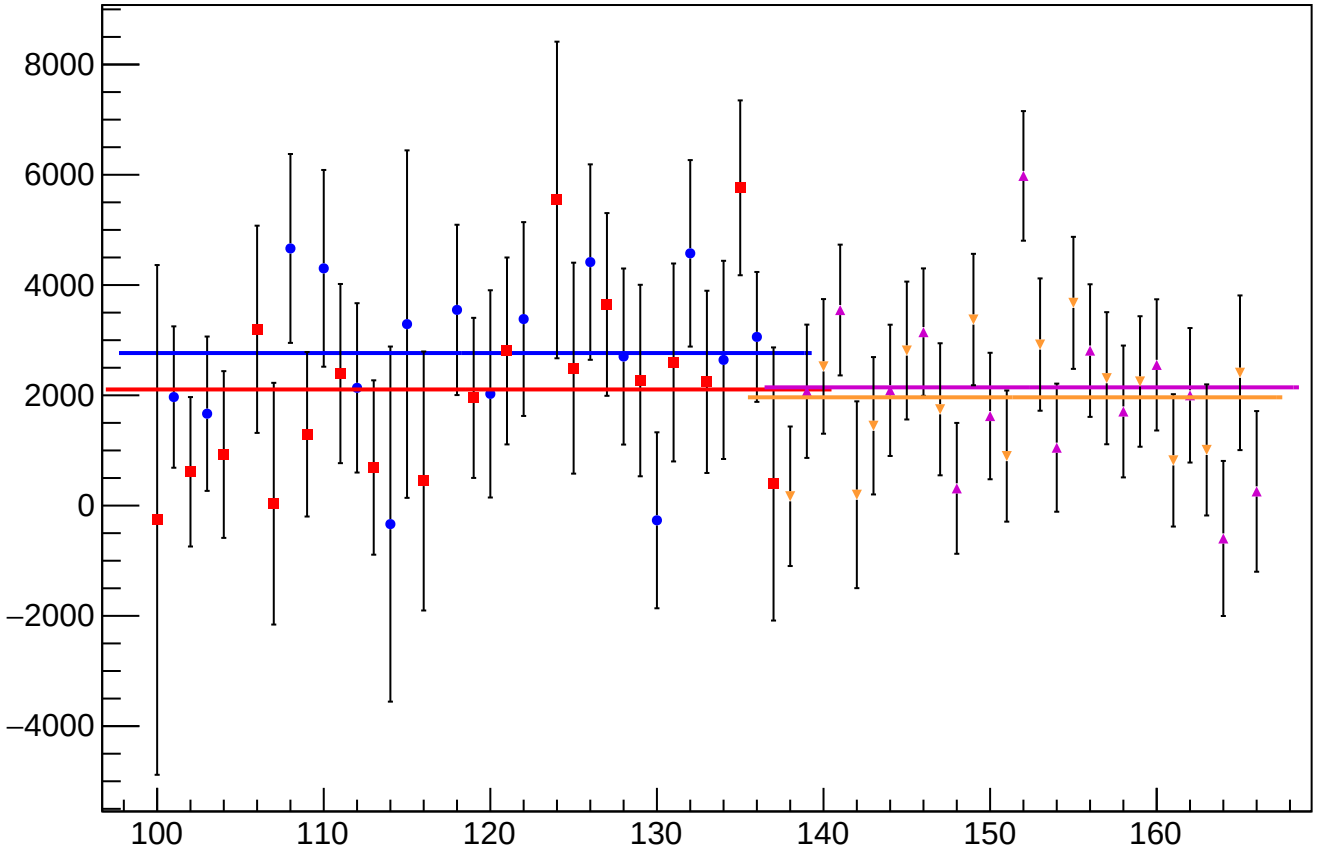
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1502.542+/-0.250 χ^2/NDF:1292999.5/29

Out: 1531.576+/-0.251 χ^2/NDF:1083915.8/33

All: 1517.019+/-0.177 χ^2/NDF: 2383616.7/63

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1963.882+/-320.275 χ^2/NDF:10.7/14

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2144.561+/-323.923 χ^2/NDF:22.3/13

Left: 2053.198+/-227.748 χ^2/NDF: 33.1/28

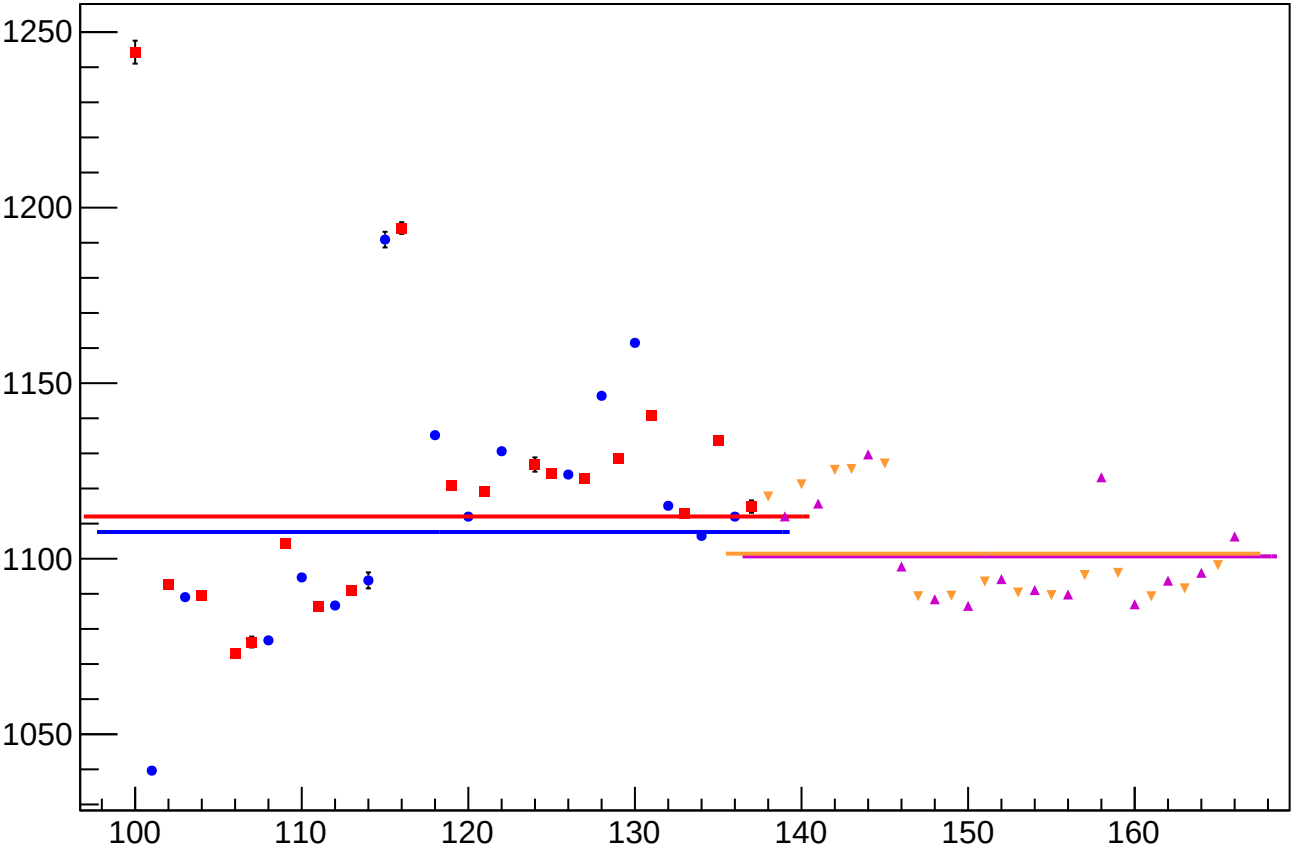
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2382.518+/-254.541 χ^2/NDF:34.1/29

Out: 2018.603+/-251.356 χ^2/NDF:24.1/33

All: 2198.269+/-178.851 χ^2/NDF: 59.2/63

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.667+/-0.229 χ^2/NDF:3665.3/13

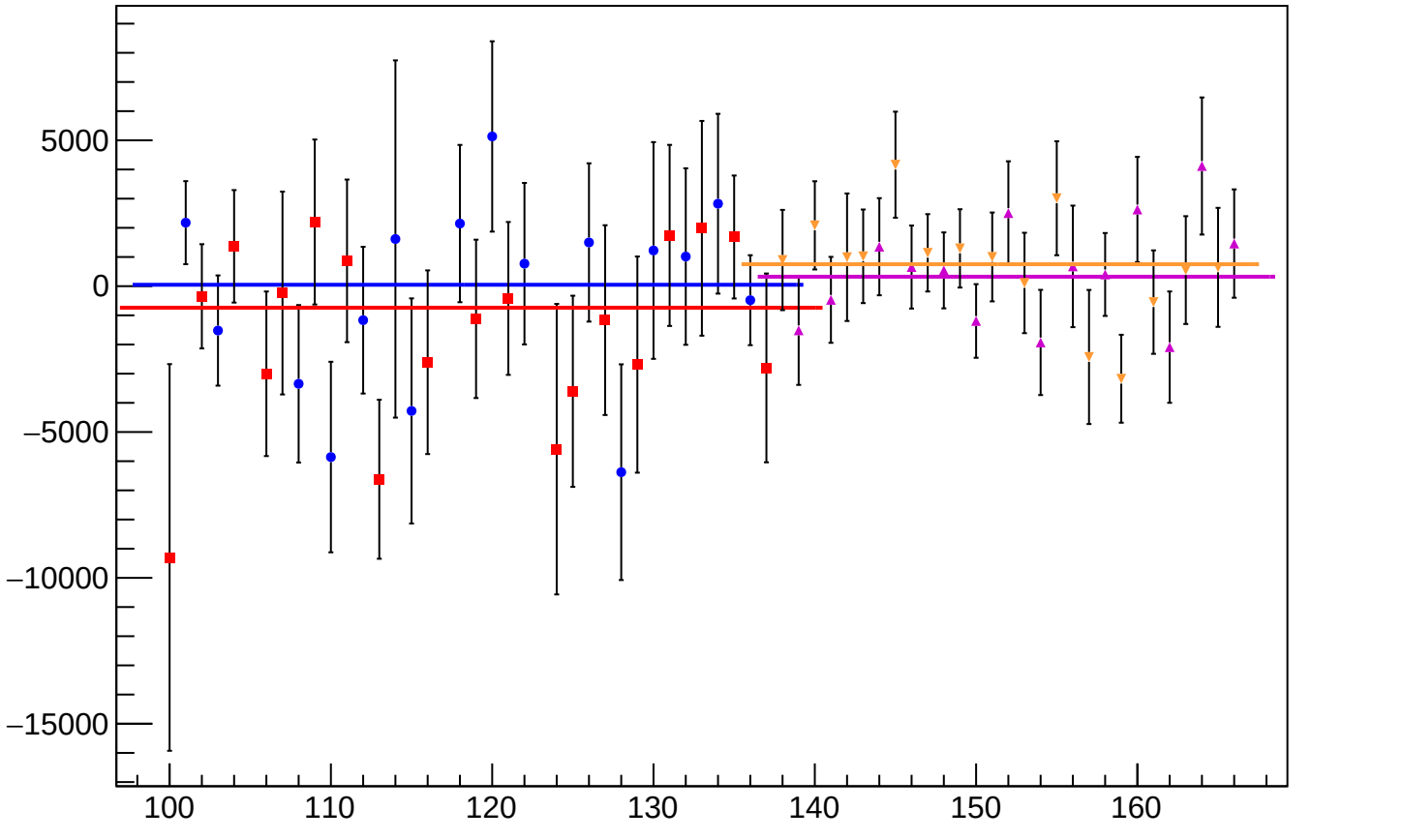
Left: 1101.056+/-0.161 χ^2/NDF: 7824.2/28

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1103.324+/-0.180 χ^2/NDF:17238.0/29

Out: 1105.504+/-0.178 χ^2/NDF:13647.1/33

All: 1104.428+/-0.126 χ^2/NDF: 30959.3/63



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 751.863+/-433.891 χ^2/NDF:15.4/14

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 324.007+/-437.590 χ^2/NDF:12.5/13

Left: 539.751+/-308.107 χ^2/NDF: 28.3/28

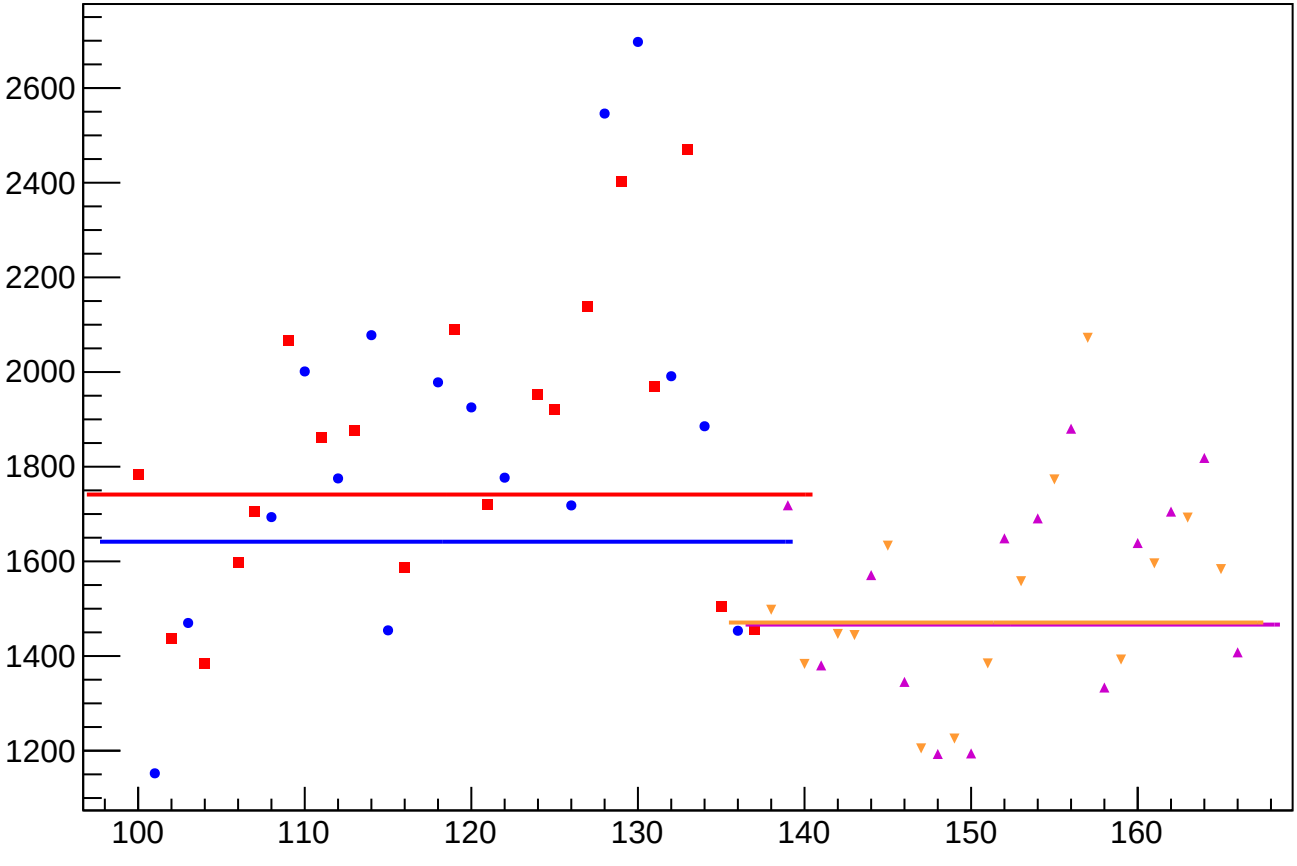
Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 233.749+/-359.038 χ^2/NDF:29.5/29

Out: 290.409+/-360.497 χ^2/NDF:34.0/33

All: 261.964+/-254.393 χ^2/NDF: 63.5/63

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1470.790+/-0.307 χ^2/NDF:417827.7/14

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1466.422+/-0.309 χ^2/NDF:491594.7/13

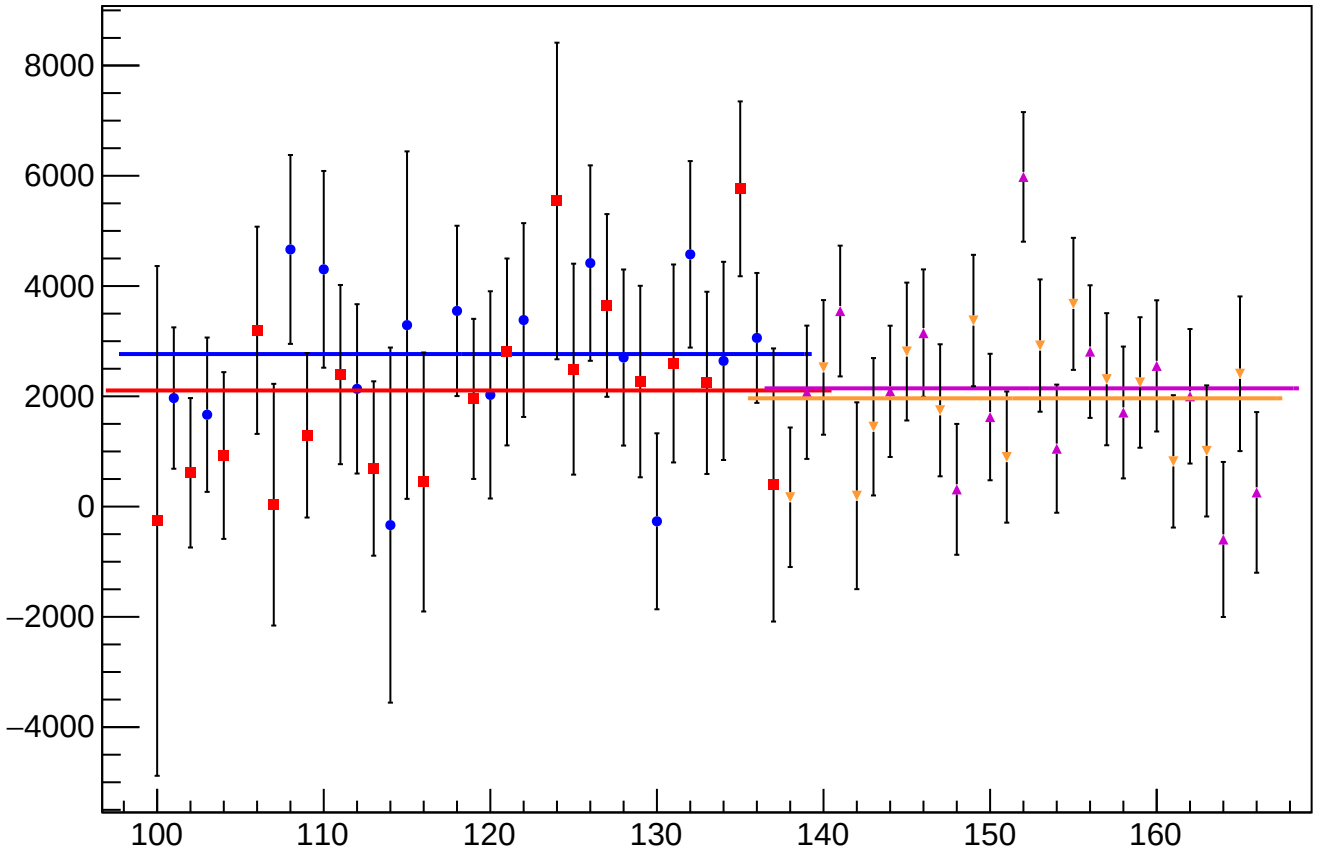
Left: 1468.625+/-0.218 χ^2/NDF: 909523.0/28

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1523.649+/-0.254 χ^2/NDF:1297576.9/29

Out: 1554.534+/-0.255 χ^2/NDF:1096734.8/33

All: 1539.029+/-0.180 χ^2/NDF: 2401681.2/63



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1963.879+/-320.275 χ^2/NDF:10.7/14

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2144.562+/-323.923 χ^2/NDF:22.3/13

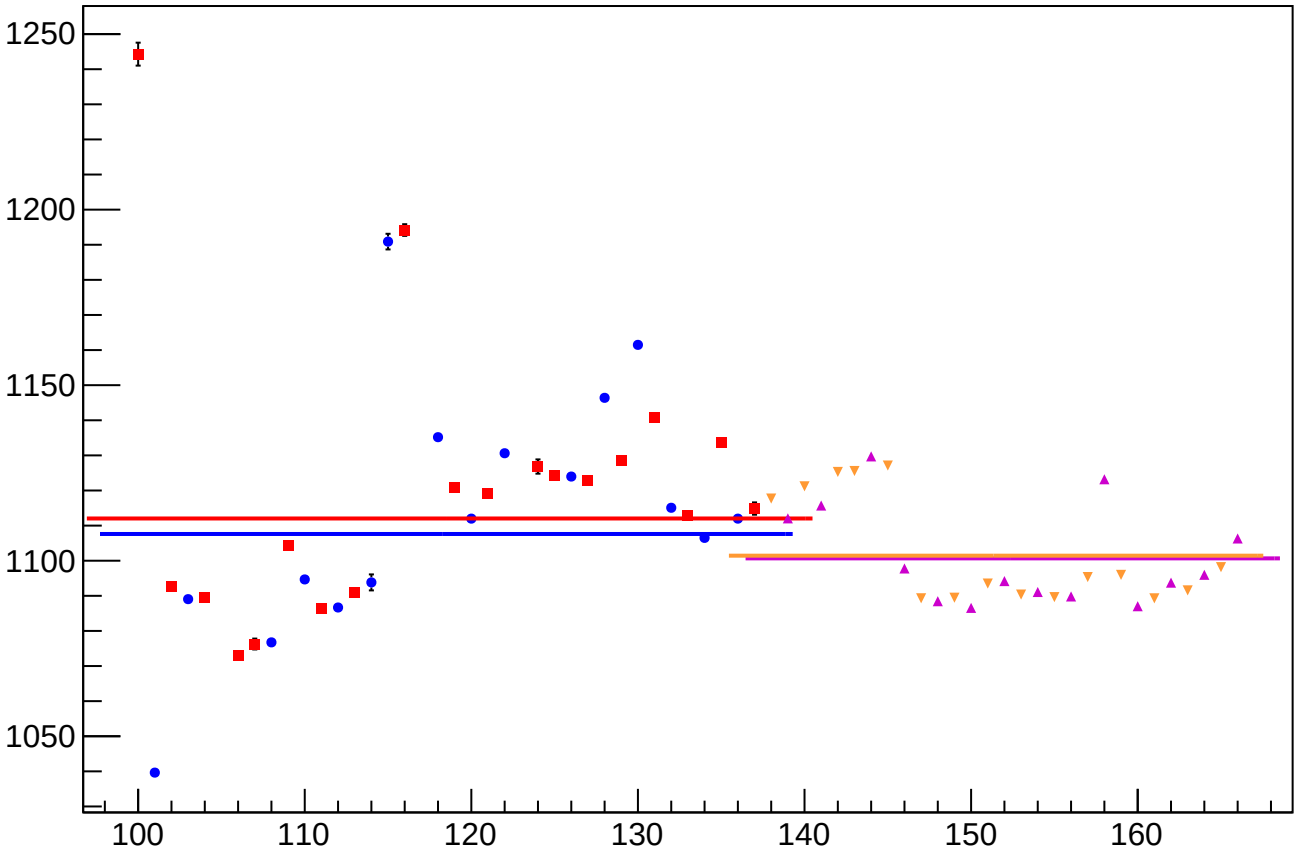
Left: 2053.197+/-227.748 χ^2/NDF: 33.1/28

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2382.518+/-254.541 χ^2/NDF:34.1/29

Out: 2018.602+/-251.356 χ^2/NDF:24.1/33

All: 2198.269+/-178.851 χ^2/NDF: 59.2/63



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.667+/-0.229 χ^2/NDF:3665.3/13

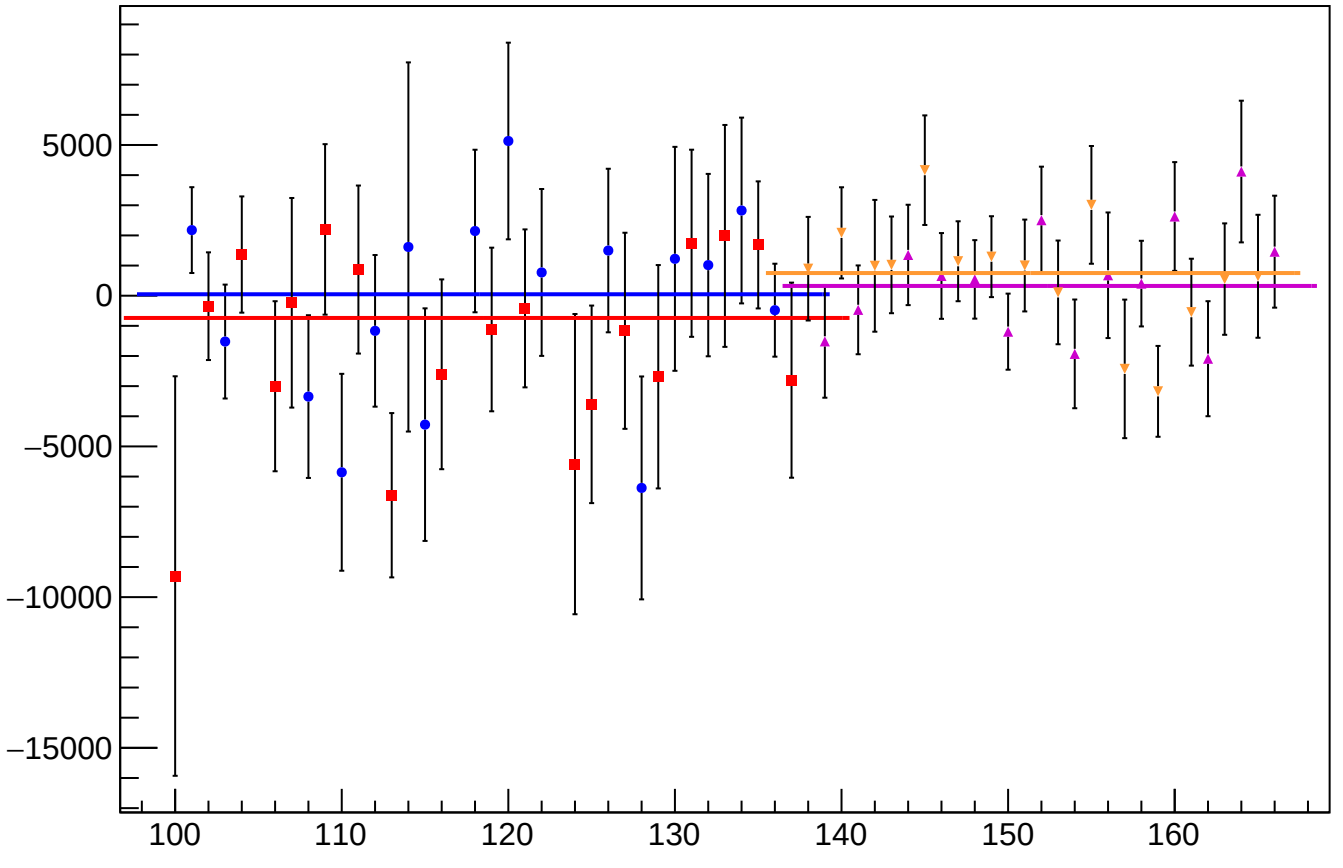
Left: 1101.056+/-0.161 χ^2/NDF: 7824.2/28

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.324+/-0.180 χ^2/NDF:17237.9/29

Out: 1105.504+/-0.178 χ^2/NDF:13647.0/33

All: 1104.428+/-0.126 χ^2/NDF: 30959.2/63



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 751.862+/-433.892 χ^2/NDF:15.4/14

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 324.008+/-437.592 χ^2/NDF:12.5/13

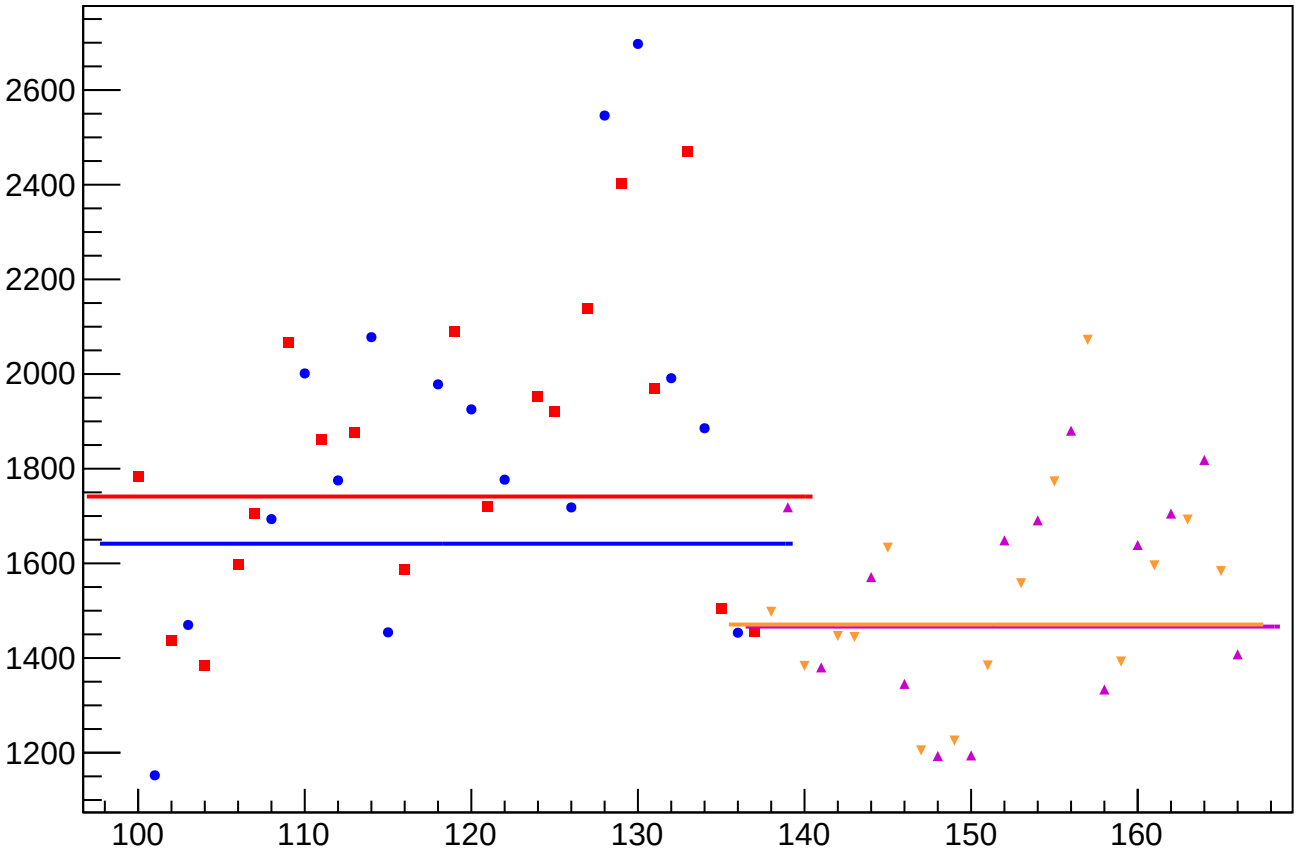
Left: 539.751+/-308.108 χ^2/NDF: 28.3/28

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 233.748+/-359.039 χ^2/NDF:29.5/29

Out: 290.405+/-360.498 χ^2/NDF:34.0/33

All: 261.961+/-254.393 χ^2/NDF: 63.5/63



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1470.794+/-0.307 χ^2/NDF:417832.2/14

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1466.425+/-0.309 χ^2/NDF:491600.3/13

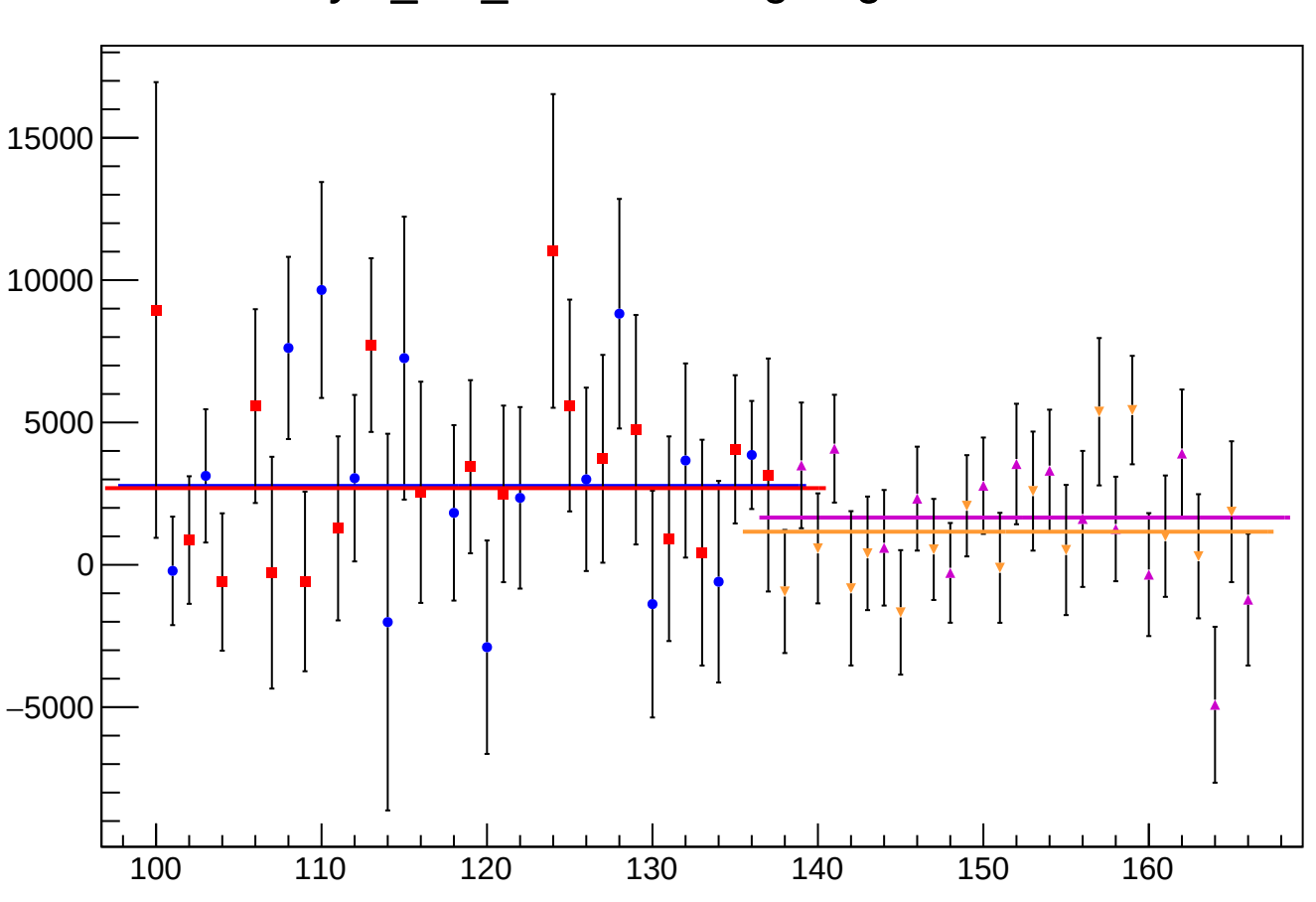
Left: 1468.628+/-0.218 χ^2/NDF: 909533.0/28

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1523.651+/-0.254 χ^2/NDF:1297563.6/29

Out: 1554.536+/-0.255 χ^2/NDF:1096718.4/33

All: 1539.031+/-0.180 χ^2/NDF: 2401651.7/63



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1162.895+/-540.830 χ^2/NDF:12.7/14

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1660.839+/-546.581 χ^2/NDF:15.0/13

Left: 1409.233+/-384.442 χ^2/NDF: 28.1/28

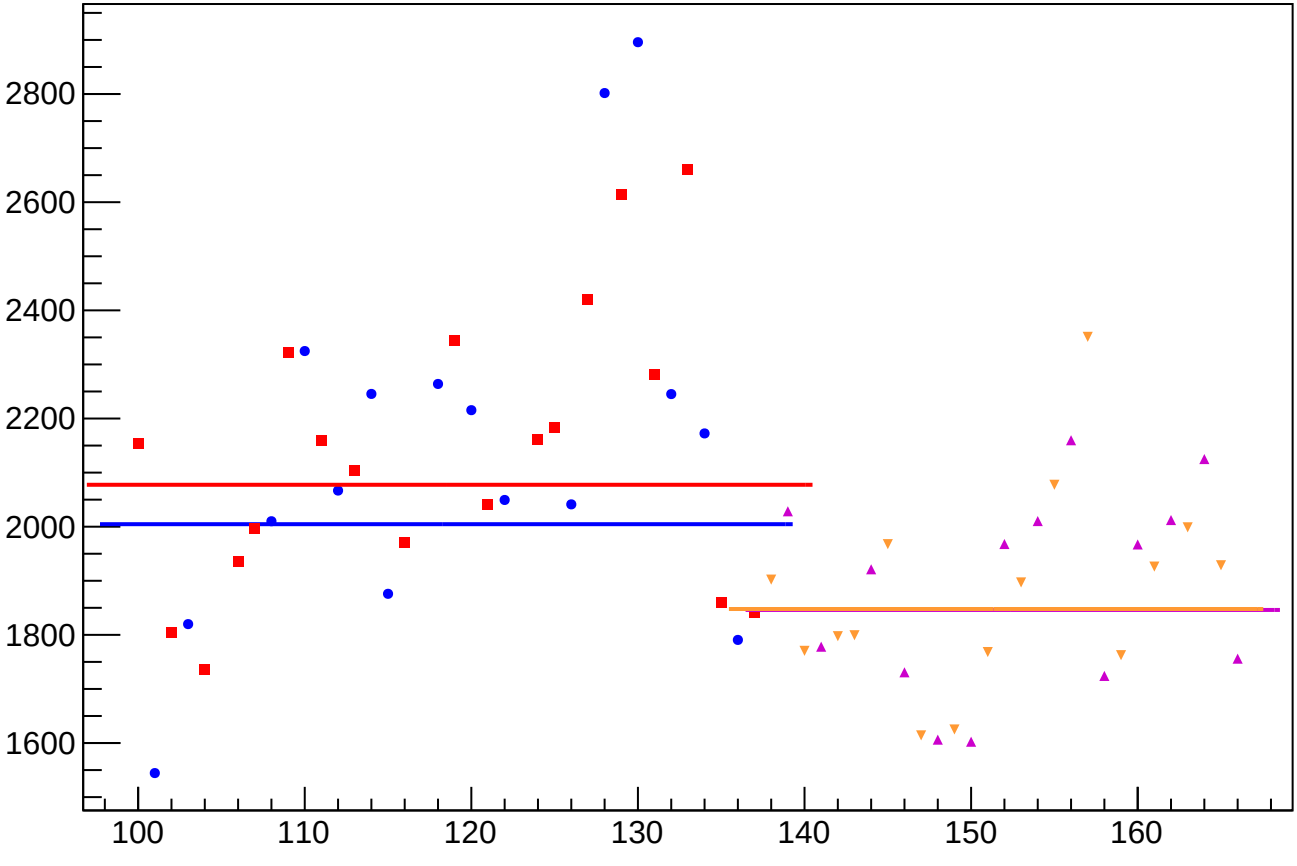
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2040.841+/-443.163 χ^2/NDF:32.9/29

Out: 1672.001+/-441.759 χ^2/NDF:27.9/33

All: 1855.836+/-312.866 χ^2/NDF: 61.1/63

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1847.810+/-0.382 χ^2/NDF:197136.4/14

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1846.057+/-0.386 χ^2/NDF:208629.6/13

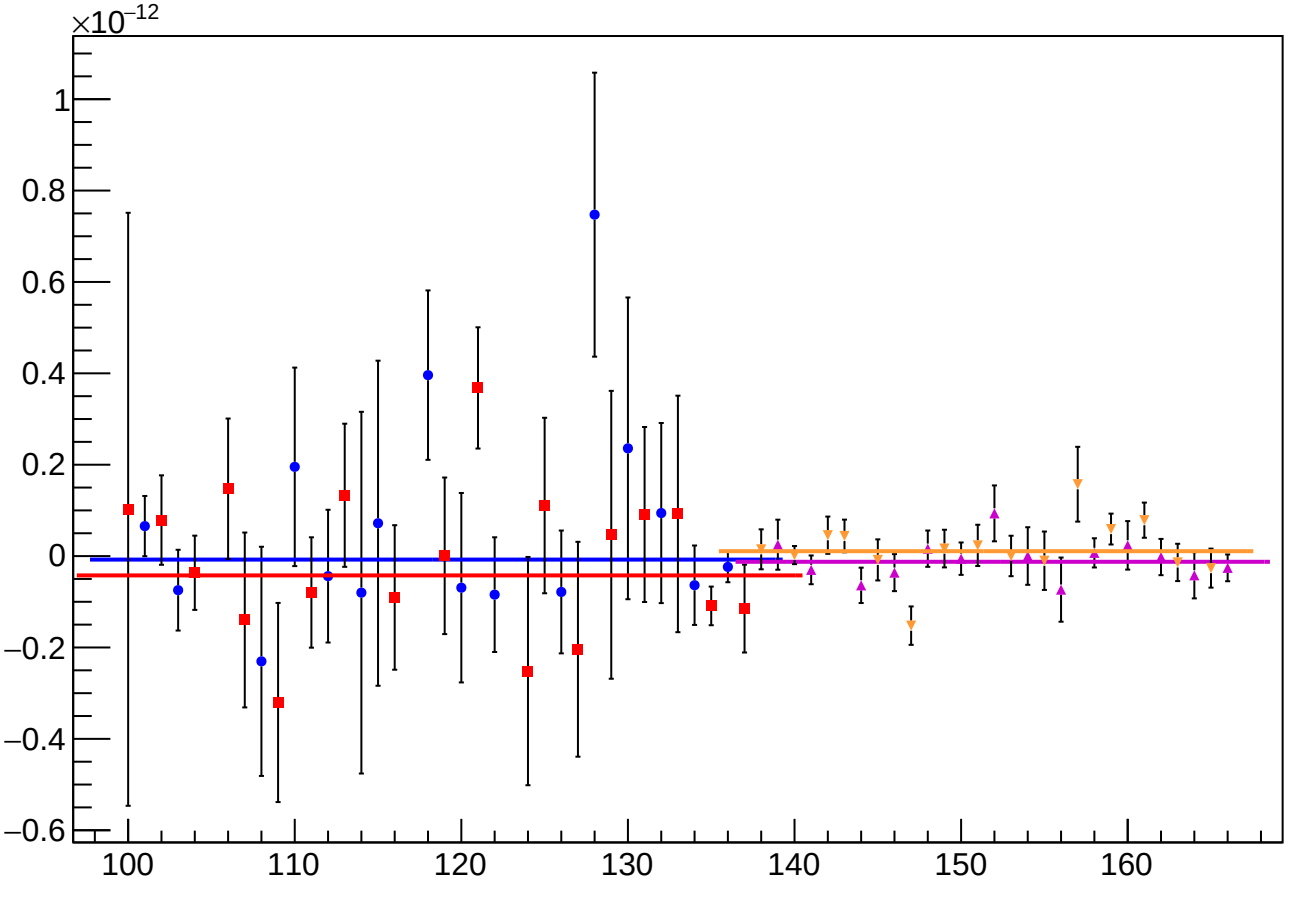
Left: 1846.943+/-0.272 χ^2/NDF: 405776.4/28

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1900.389+/-0.313 χ^2/NDF:653876.1/29

Out: 1924.253+/-0.312 χ^2/NDF:547675.6/33

All: 1912.358+/-0.221 χ^2/NDF: 1204460.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/13

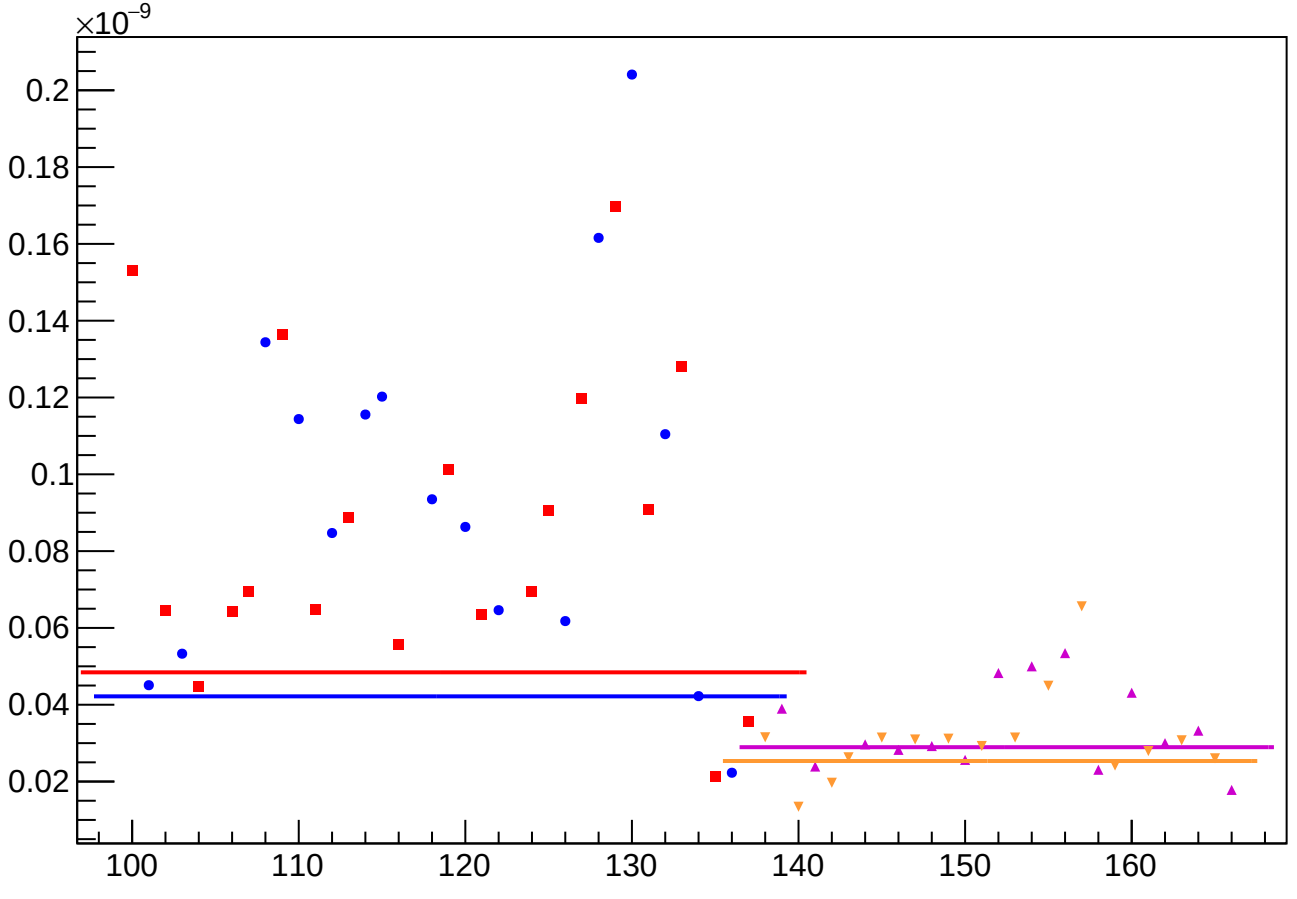
Left: 0.000+/-0.000 χ^2/NDF: 37.9/28

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:25.2/29

Out: 0.000+/-0.000 χ^2/NDF:51.9/33

All: -0.000+/-0.000 χ^2/NDF: 78.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1688235.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1317507.1/13

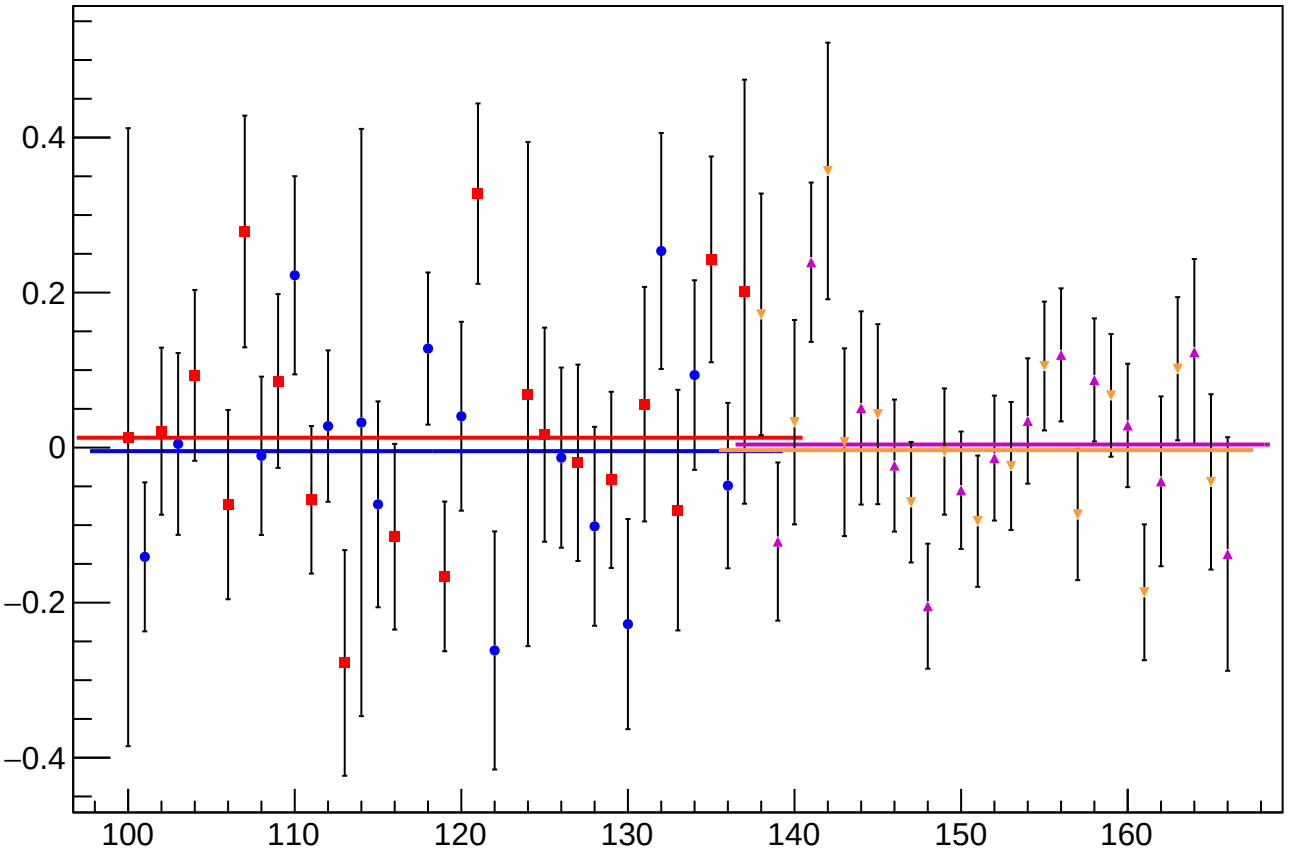
Left: 0.000+/-0.000 χ^2/NDF: 3124320.3/28

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4744180.6/29

Out: 0.000+/-0.000 χ^2/NDF:5580470.9/33

All: 0.000+/-0.000 χ^2/NDF: 10428474.9/63



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

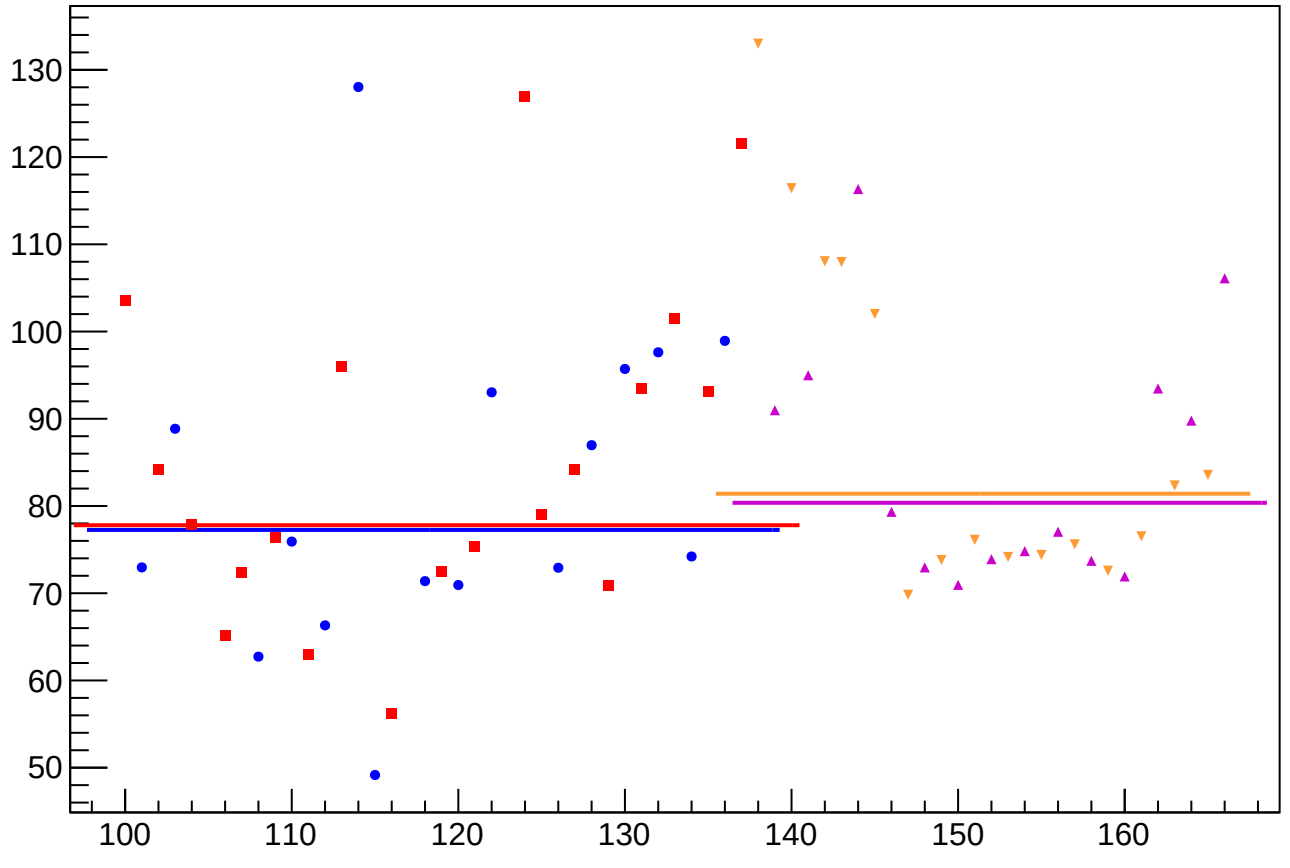
Left: 0.000+/-0.017 χ^2/NDF: 37.1/28

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.002+/-0.013 χ^2/NDF: 80.0/63



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.407+/-0.017 χ^2/NDF:712057.7/14

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.368+/-0.017 χ^2/NDF:437711.1/13

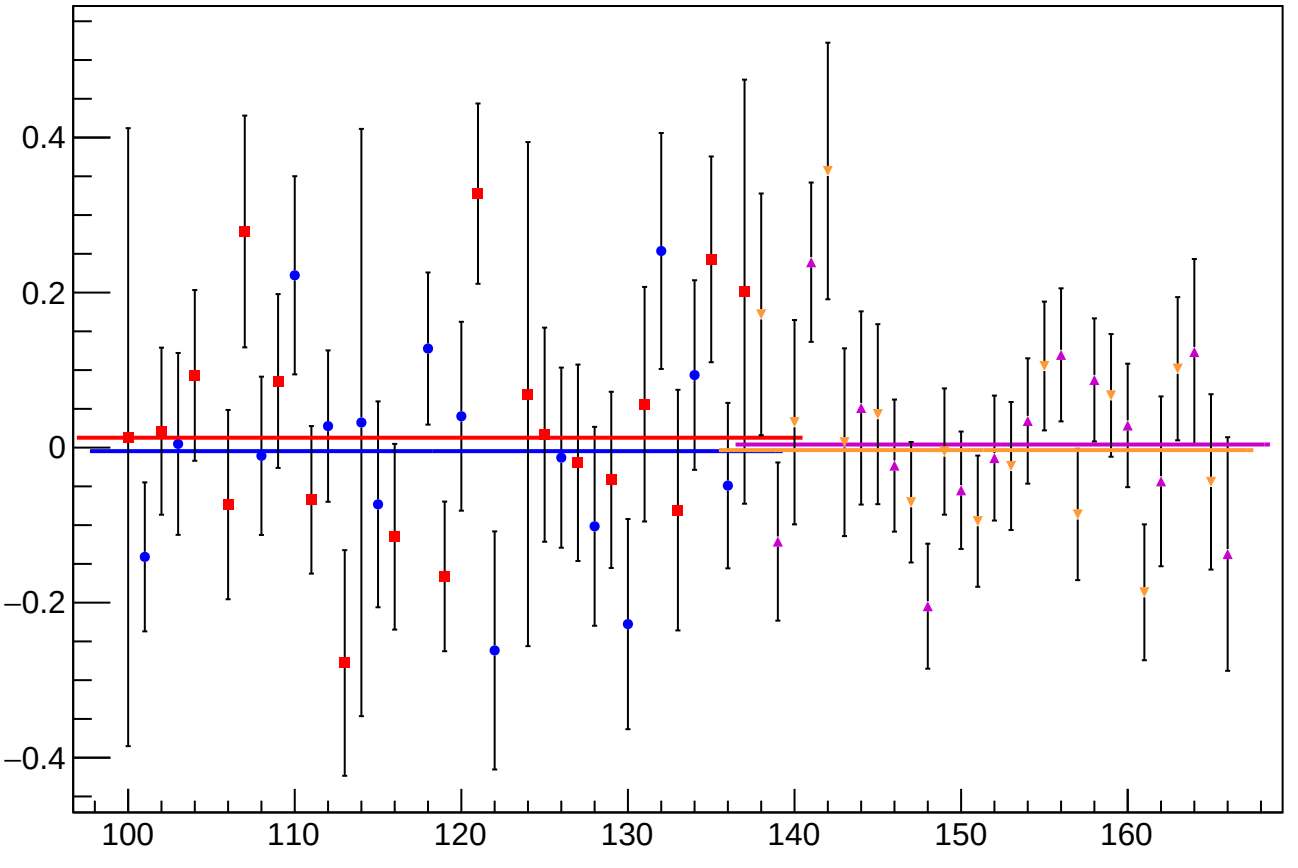
Left: 80.883+/-0.012 χ^2/NDF: 1151562.6/28

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.131+/-0.013 χ^2/NDF:869898.0/29

Out: 79.937+/-0.013 χ^2/NDF:1126035.0/33

All: 79.534+/-0.009 χ^2/NDF: 1997740.9/63



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

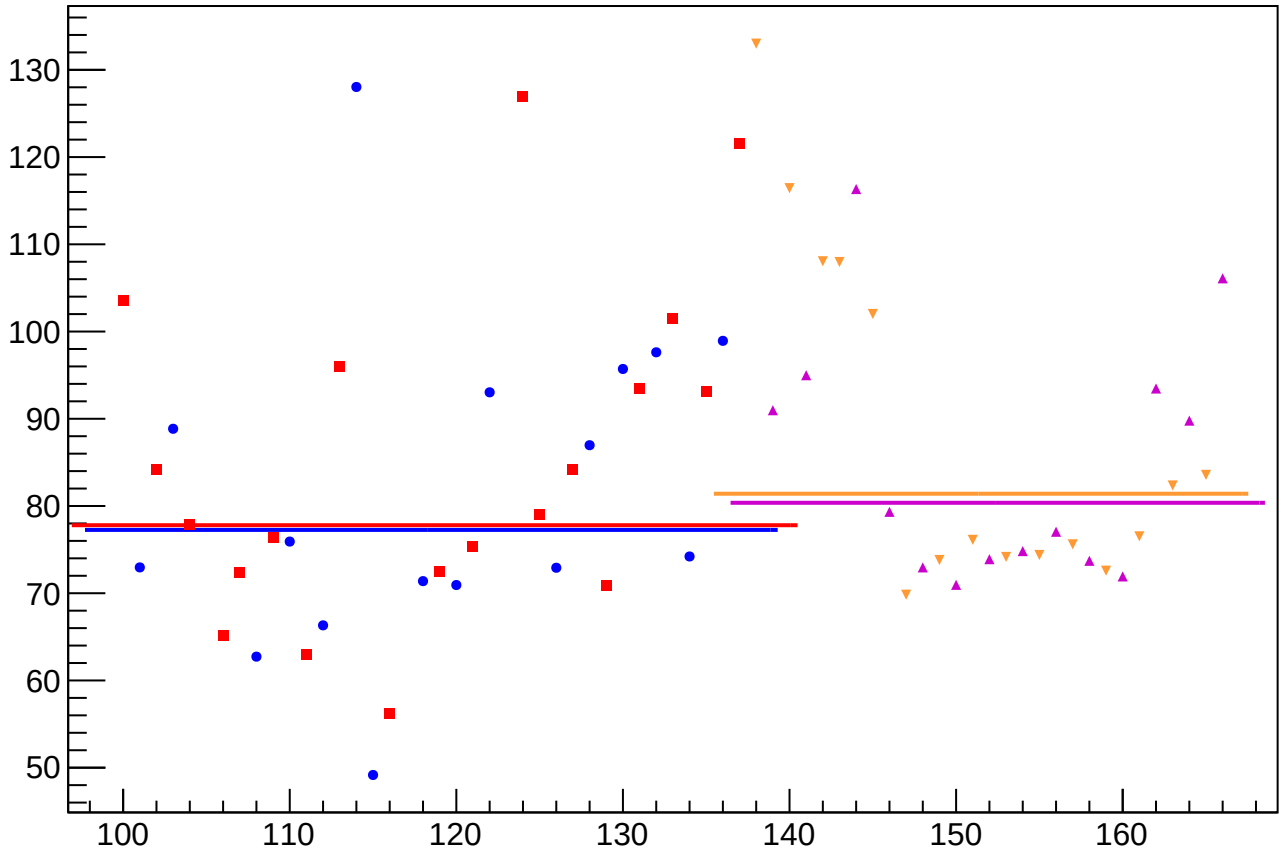
Left: 0.000+/-0.017 χ^2/NDF: 37.1/28

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.002+/-0.013 χ^2/NDF: 80.0/63



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.407+/-0.017 χ^2/NDF:712057.7/14

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.368+/-0.017 χ^2/NDF:437711.1/13

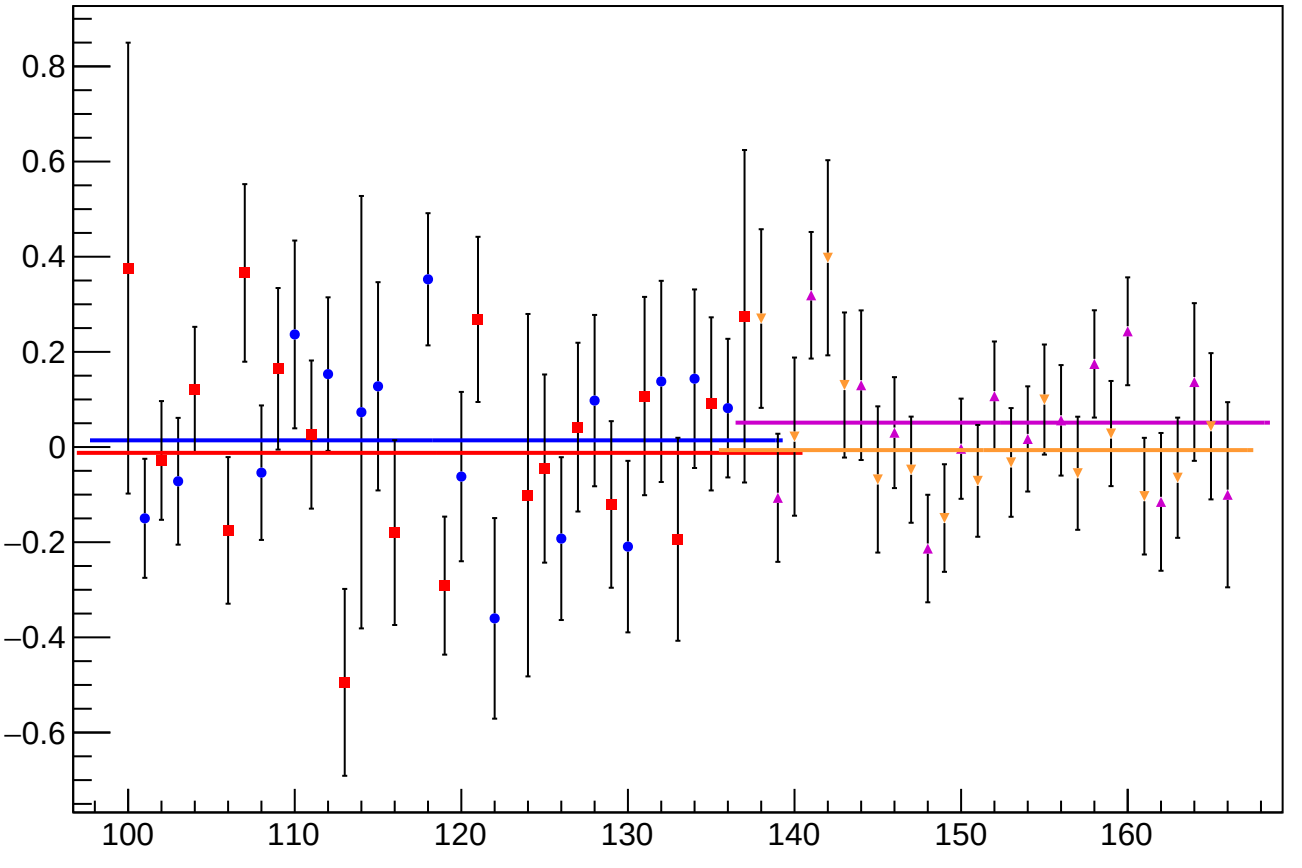
Left: 80.883+/-0.012 χ^2/NDF: 1151562.6/28

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.131+/-0.013 χ^2/NDF:869898.0/29

Out: 79.937+/-0.013 χ^2/NDF:1126035.0/33

All: 79.534+/-0.009 χ^2/NDF: 1997740.9/63



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.034 χ^2/NDF:11.2/14

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.051+/-0.033 χ^2/NDF:18.1/13

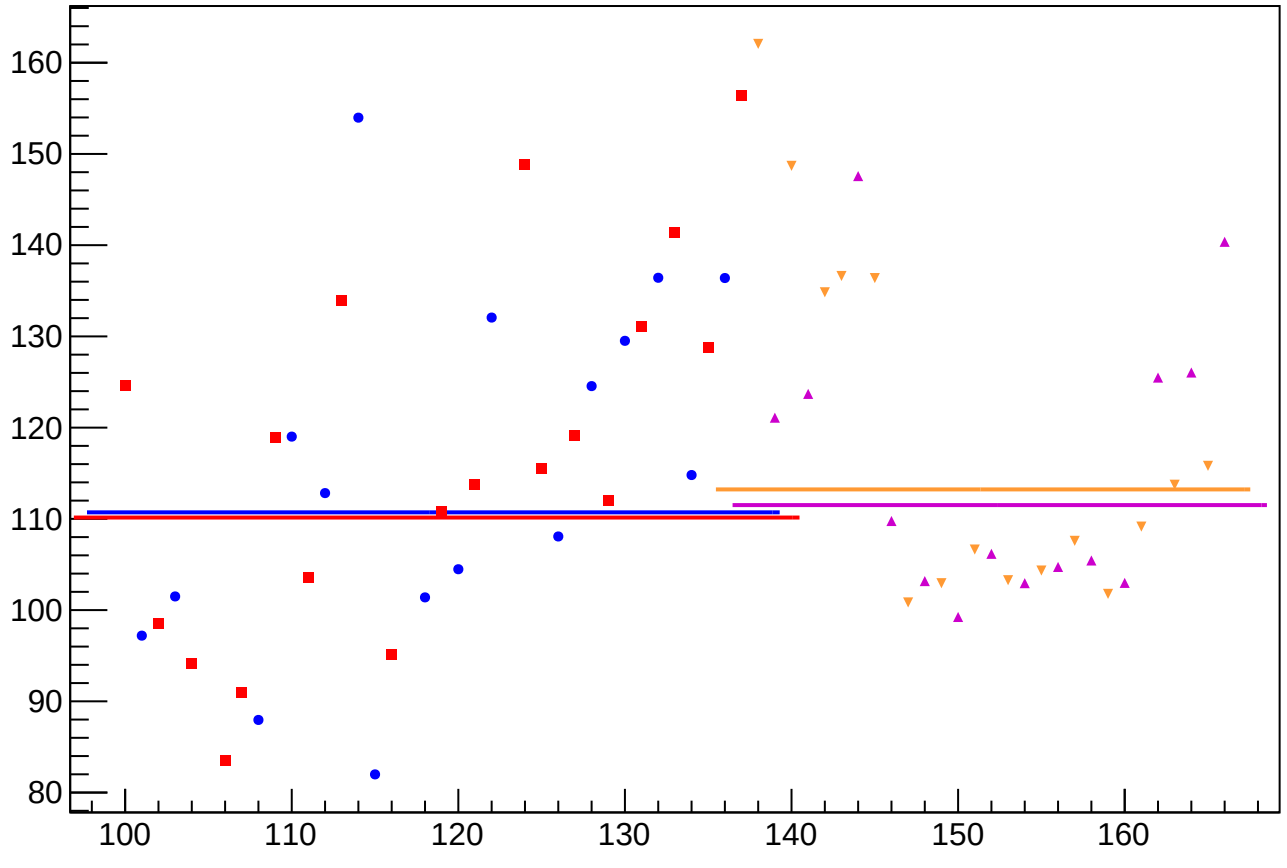
Left: 0.023+/-0.024 χ^2/NDF: 30.7/28

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.037+/-0.026 χ^2/NDF:36.7/29

Out: -0.009+/-0.026 χ^2/NDF:34.9/33

All: 0.014+/-0.019 χ^2/NDF: 73.2/63



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.228+/-0.024 χ^2/NDF:444463.6/14

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.510+/-0.024 χ^2/NDF:288842.6/13

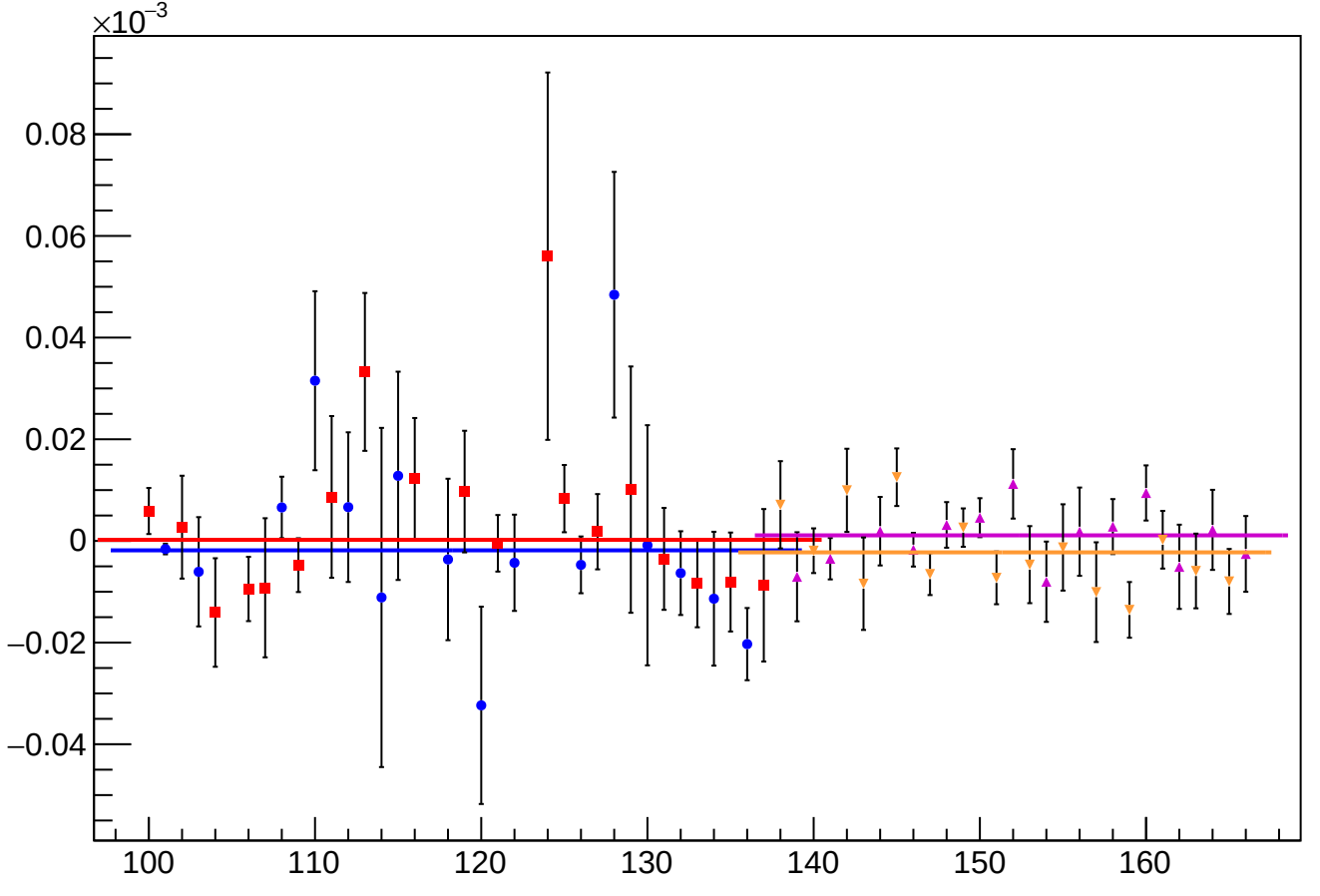
Left: 112.363+/-0.017 χ^2/NDF: 735923.3/28

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.203+/-0.019 χ^2/NDF:589250.6/29

Out: 111.996+/-0.018 χ^2/NDF:777878.1/33

All: 111.601+/-0.013 χ^2/NDF: 1368045.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/13

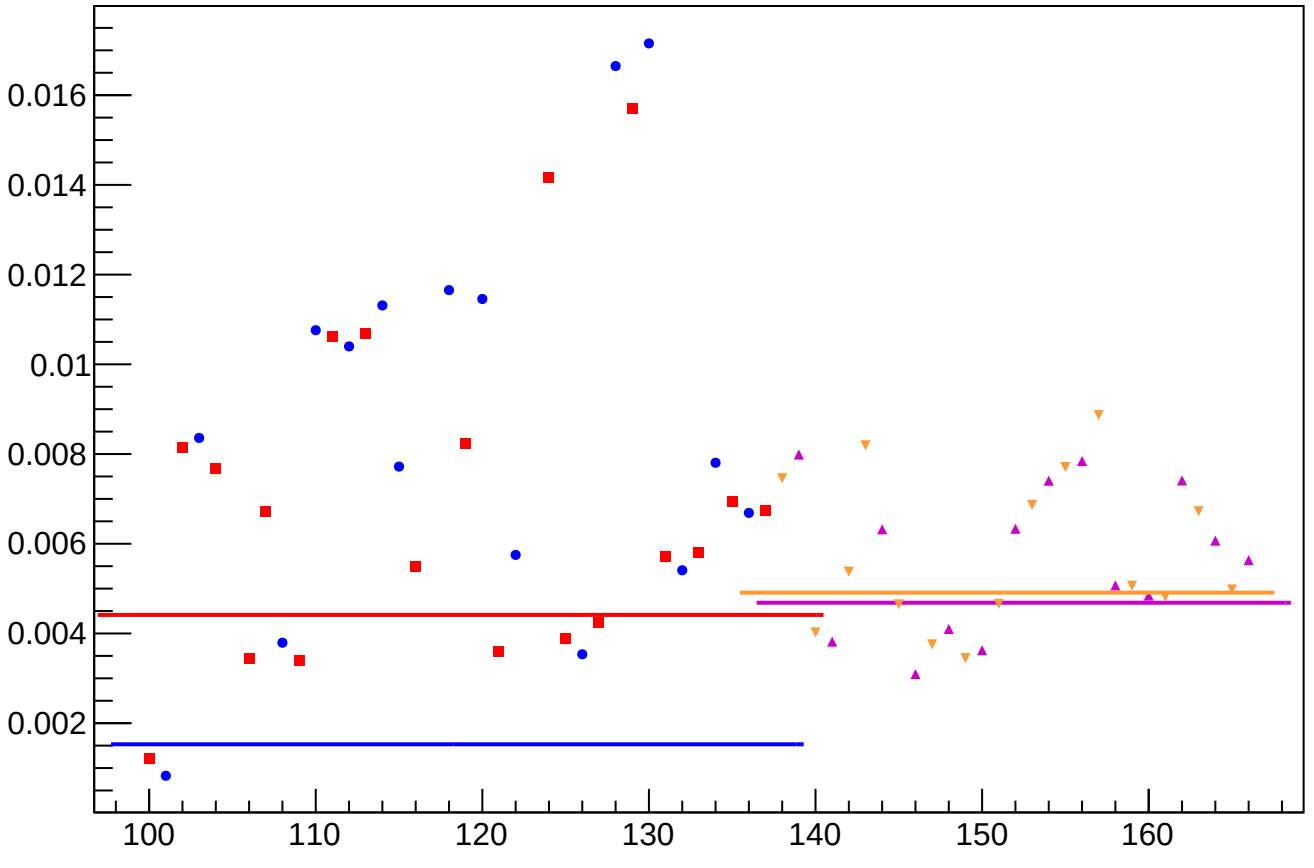
Left: -0.000+/-0.000 χ^2/NDF: 33.9/28

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:35.0/29

Out: -0.000+/-0.000 χ^2/NDF:41.5/33

All: -0.000+/-0.000 χ^2/NDF: 76.5/63



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1789127.0/14

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2080749.2/13

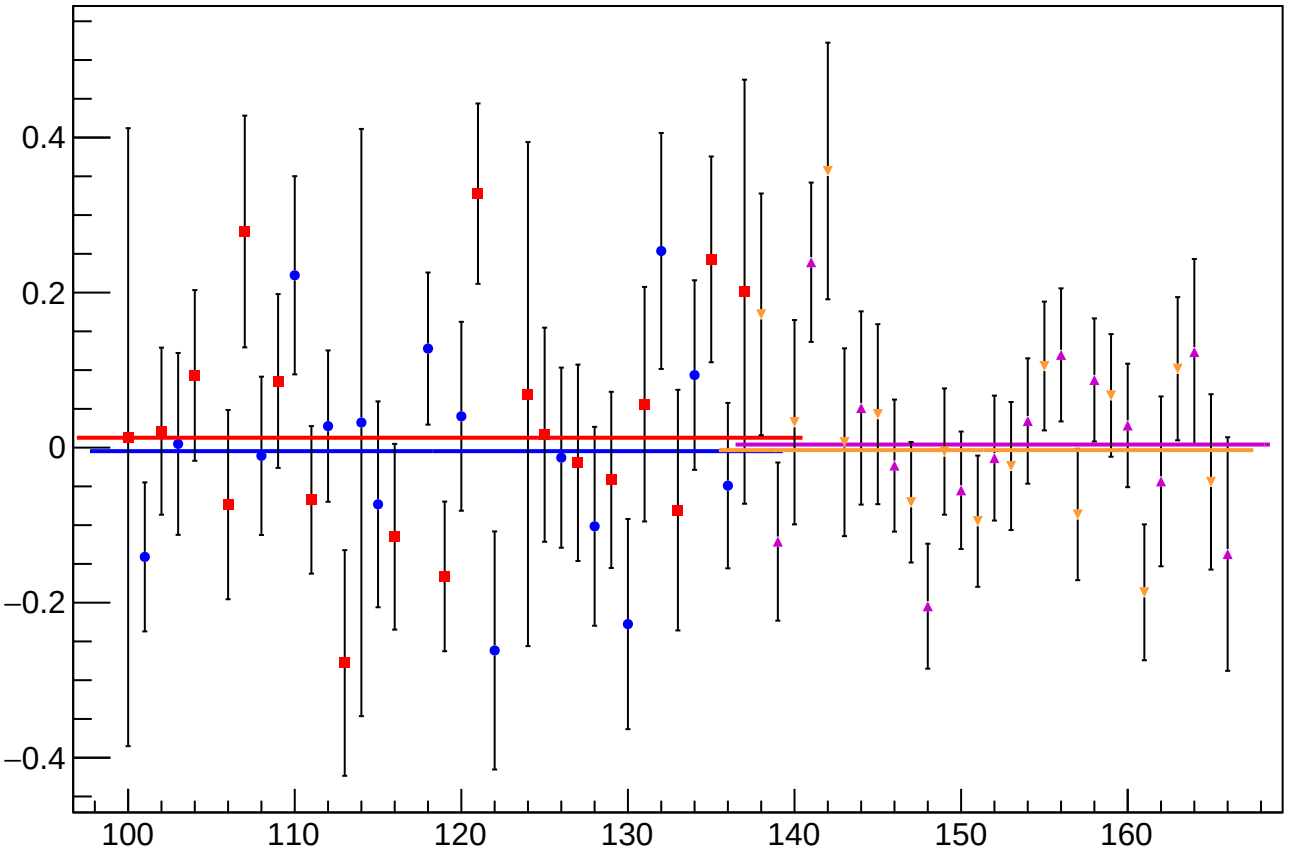
Left: 0.005+/-0.000 χ^2/NDF: 3892955.6/28

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.003+/-0.000 χ^2/NDF:17797899.5/29

Out: 0.005+/-0.000 χ^2/NDF:5259572.1/33

All: 0.003+/-0.000 χ^2/NDF: 27816166.2/63



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.004+/-0.024 χ^2/NDF:19.5/13

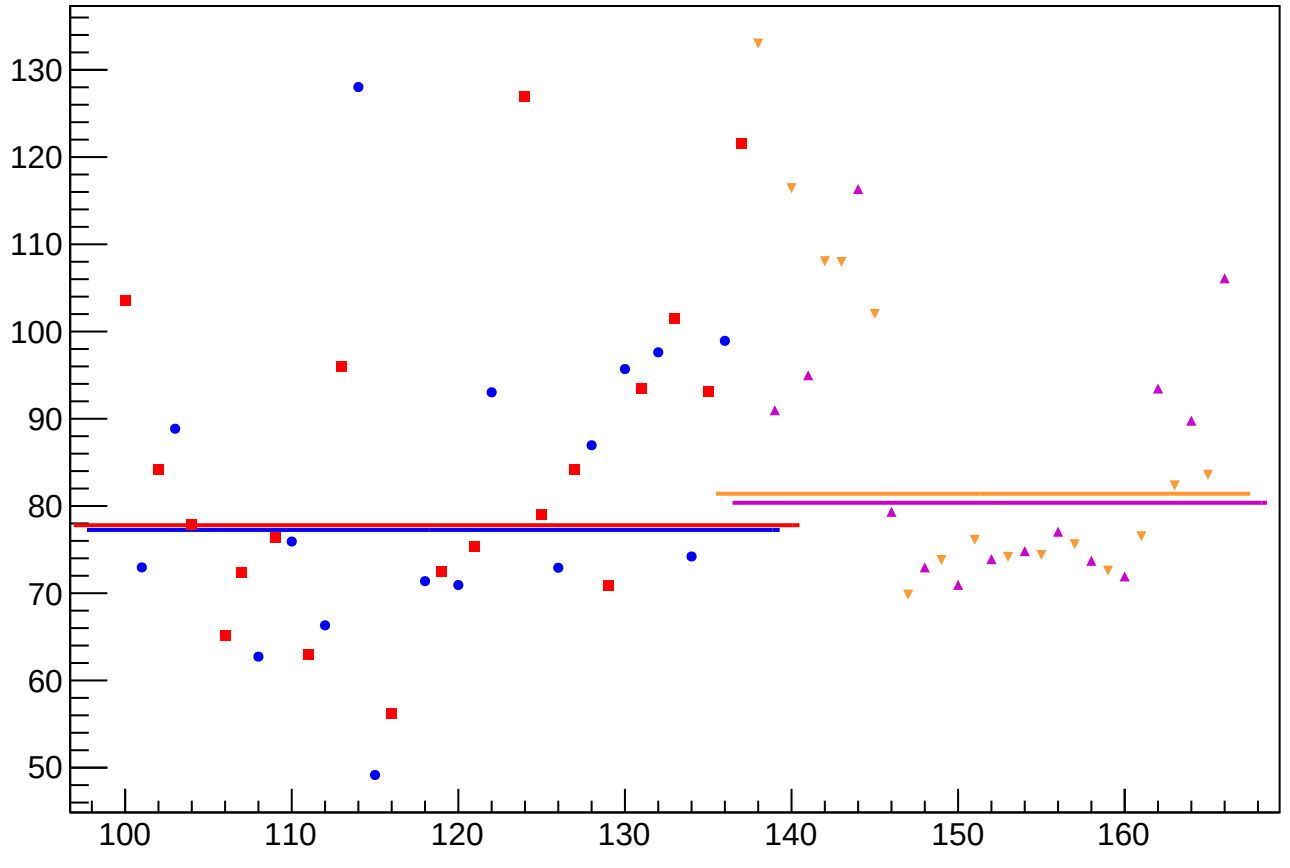
Left: 0.000+/-0.017 χ^2/NDF: 37.1/28

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.019 χ^2/NDF:36.9/29

Out: 0.003+/-0.019 χ^2/NDF:43.1/33

All: 0.002+/-0.013 χ^2/NDF: 80.0/63



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.407+/-0.017 χ^2/NDF:712055.3/14

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.368+/-0.017 χ^2/NDF:437718.9/13

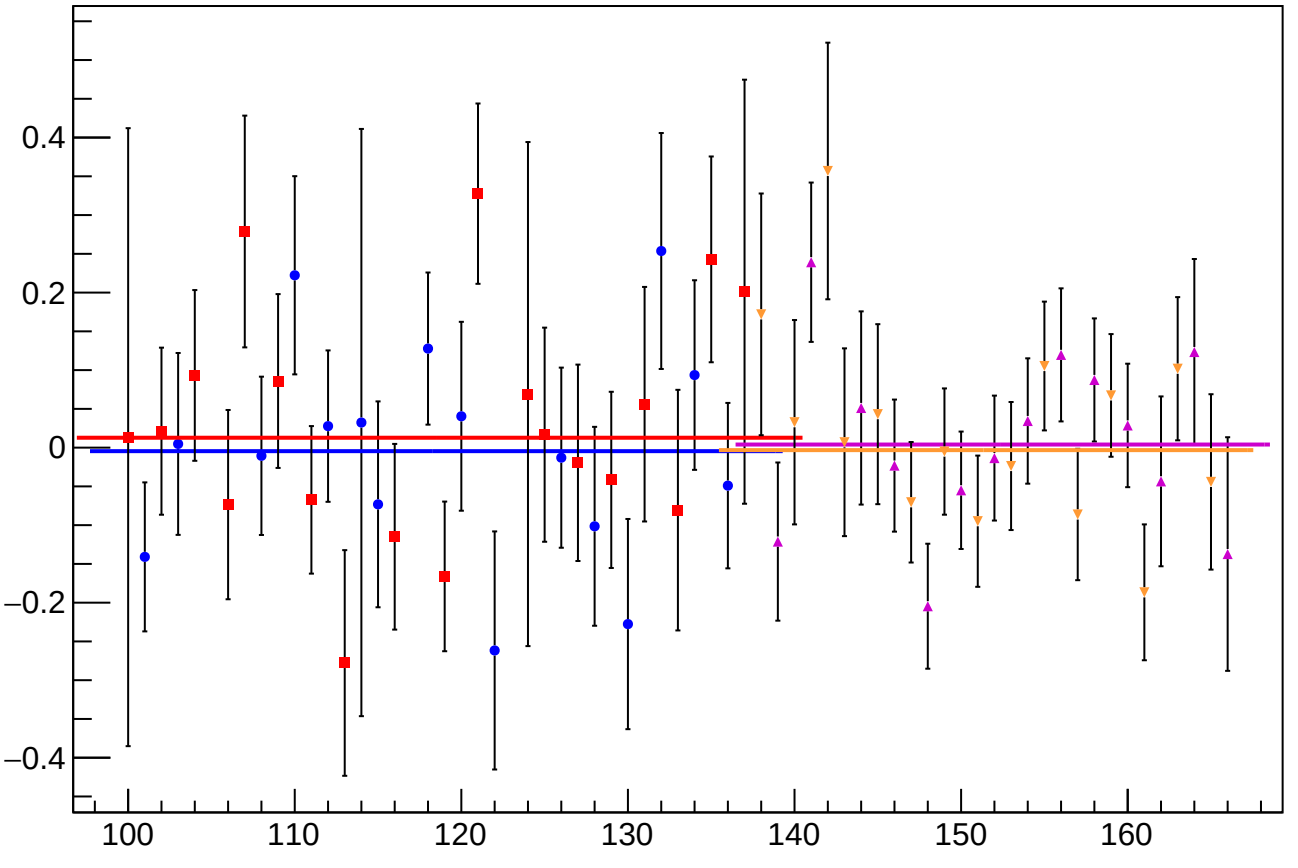
Left: 80.883+/-0.012 χ^2/NDF: 1151568.6/28

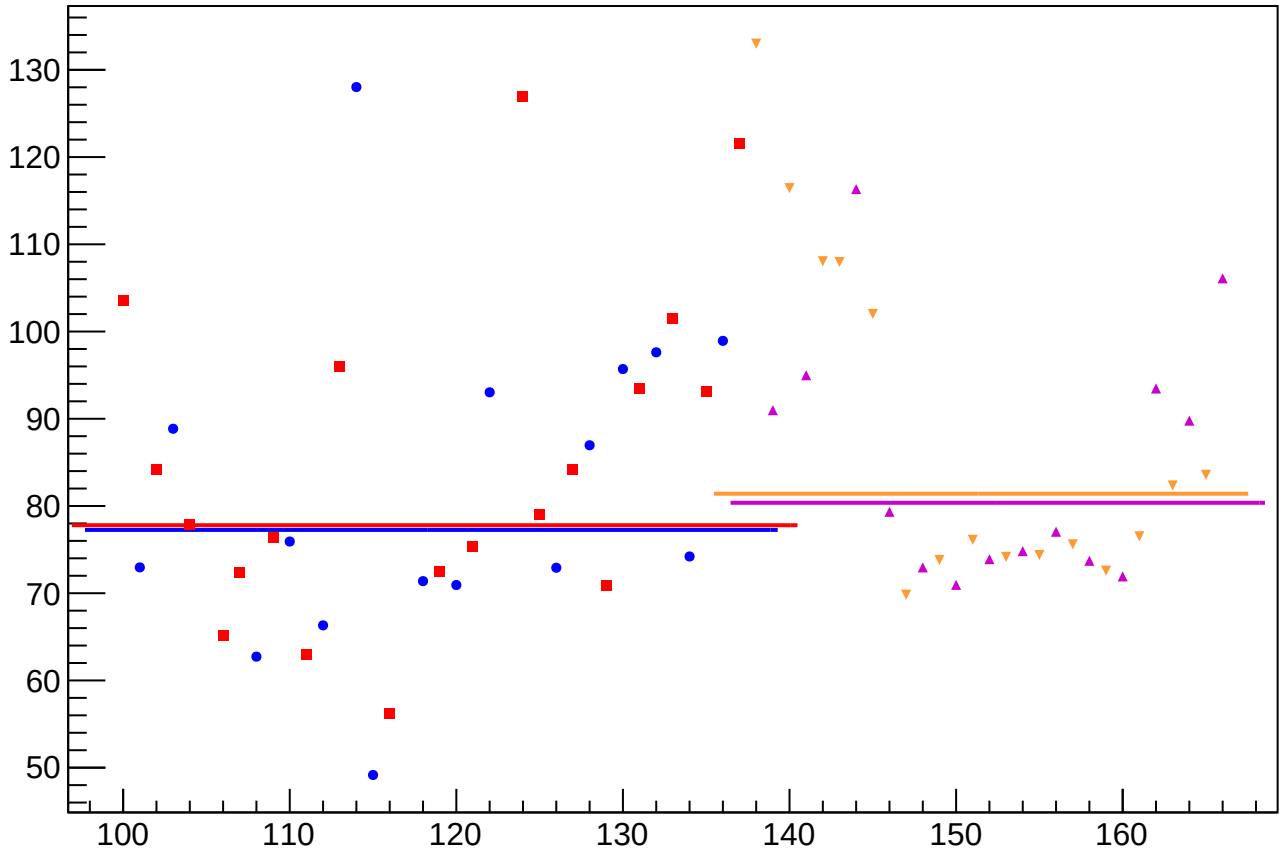
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.131+/-0.013 χ^2/NDF:869908.3/29

Out: 79.937+/-0.013 χ^2/NDF:1126049.9/33

All: 79.534+/-0.009 χ^2/NDF: 1997766.5/63


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.003+/-0.025 χ²/NDF:17.5/14
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.004+/-0.024 χ²/NDF:19.5/13
Left: 0.000+/-0.017 χ²/NDF: 37.1/28
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: 0.001+/-0.019 χ²/NDF:36.9/29
Out: 0.003+/-0.019 χ²/NDF:43.1/33
All: 0.002+/-0.013 χ²/NDF: 80.0/63



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.407+/-0.017 χ^2/NDF:712055.3/14

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.368+/-0.017 χ^2/NDF:437718.9/13

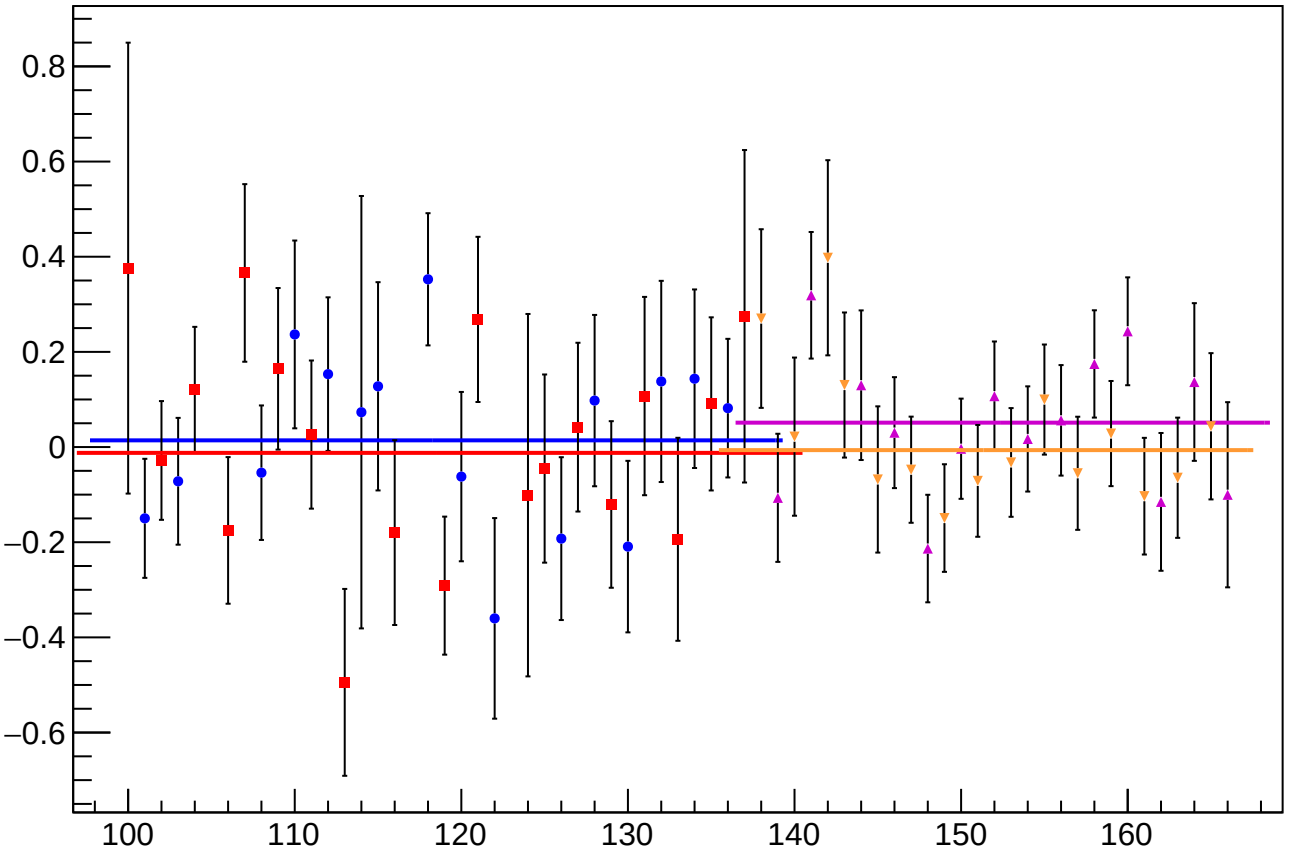
Left: 80.883+/-0.012 χ^2/NDF: 1151568.6/28

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.131+/-0.013 χ^2/NDF:869908.3/29

Out: 79.937+/-0.013 χ^2/NDF:1126049.9/33

All: 79.534+/-0.009 χ^2/NDF: 1997766.5/63



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.034 χ^2/NDF:11.2/14

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.051+/-0.033 χ^2/NDF:18.1/13

Left: 0.023+/-0.024 χ^2/NDF: 30.7/28

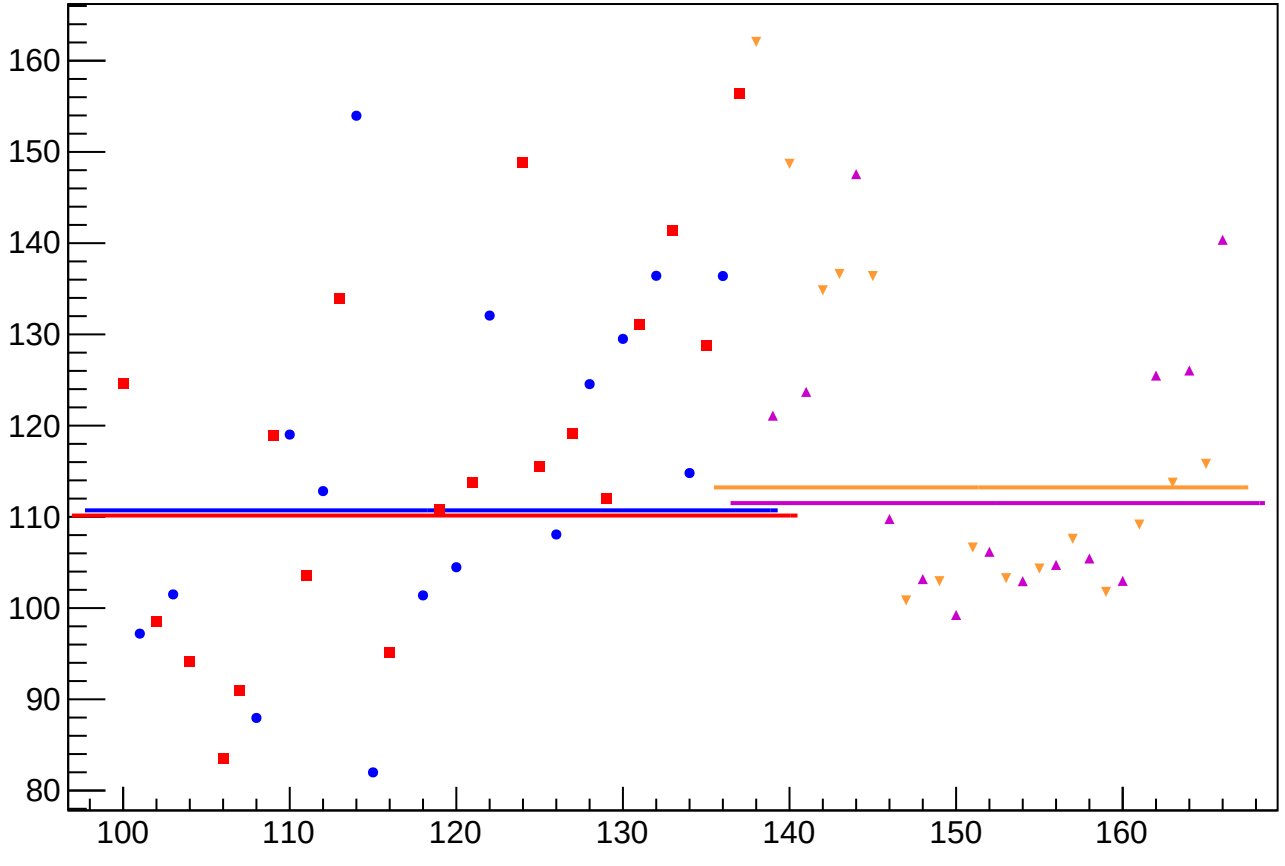
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.037+/-0.026 χ^2/NDF:36.7/29

Out: -0.009+/-0.026 χ^2/NDF:34.9/33

All: 0.014+/-0.019 χ^2/NDF: 73.2/63

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.228+/-0.024 χ^2/NDF:444461.2/14

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.510+/-0.024 χ^2/NDF:288847.3/13

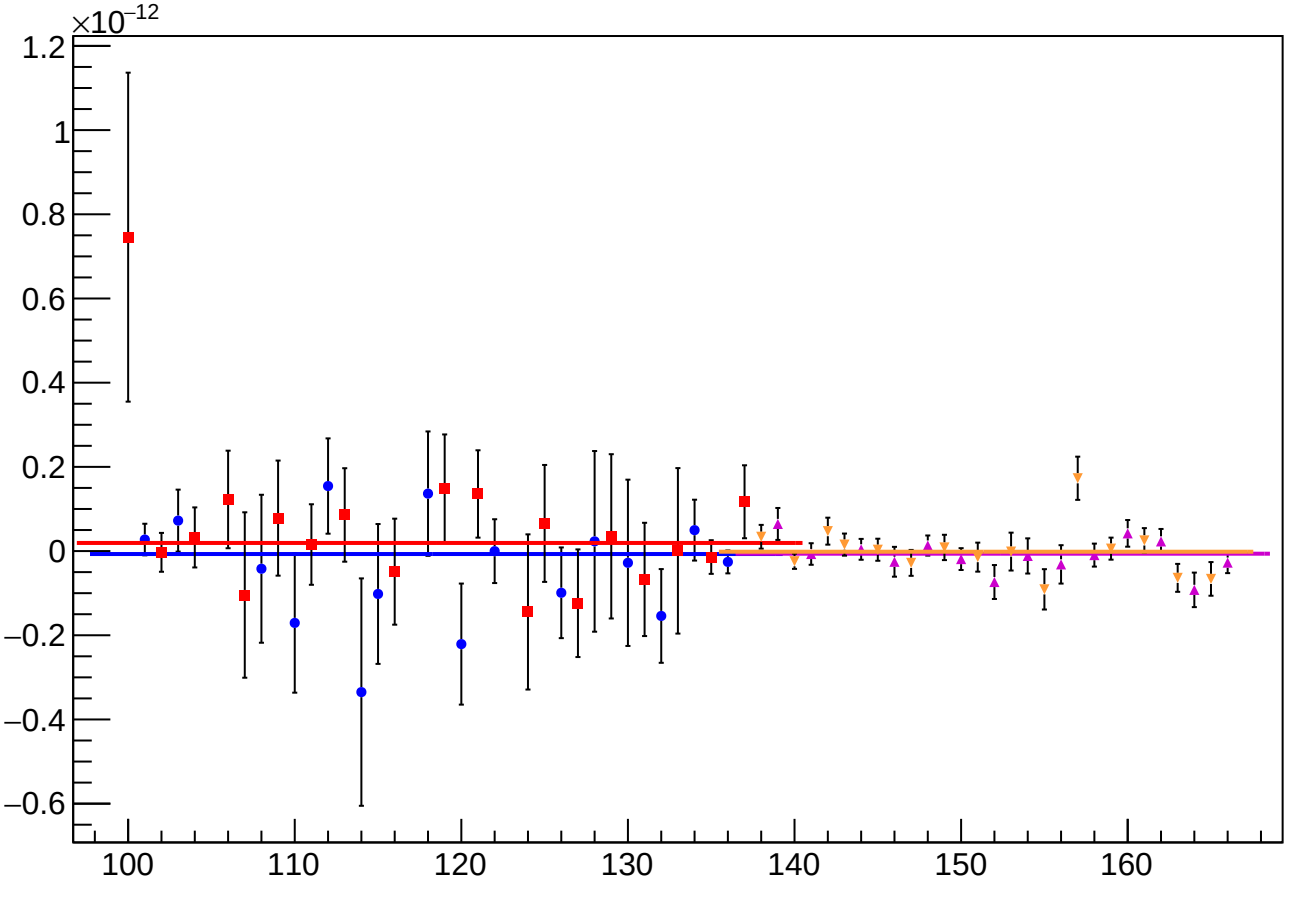
Left: 112.363+/-0.017 χ^2/NDF: 735926.0/28

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.203+/-0.019 χ^2/NDF:589232.0/29

Out: 111.996+/-0.018 χ^2/NDF:777851.0/33

All: 111.601+/-0.013 χ^2/NDF: 1367999.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/13

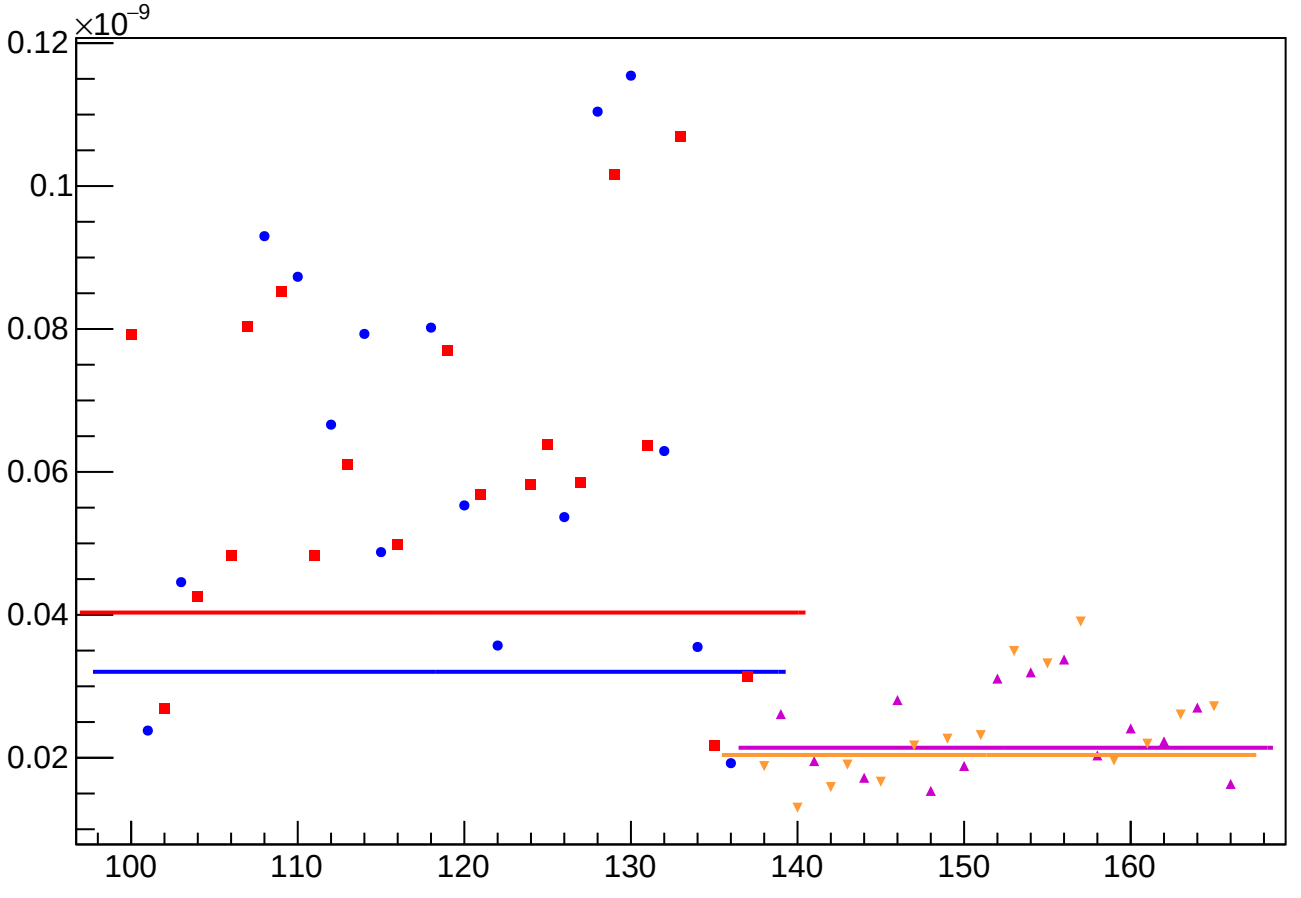
Left: -0.000+/-0.000 χ^2/NDF: 45.5/28

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.0/29

Out: 0.000+/-0.000 χ^2/NDF:42.4/33

All: -0.000+/-0.000 χ^2/NDF: 72.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1191047.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:846126.6/13

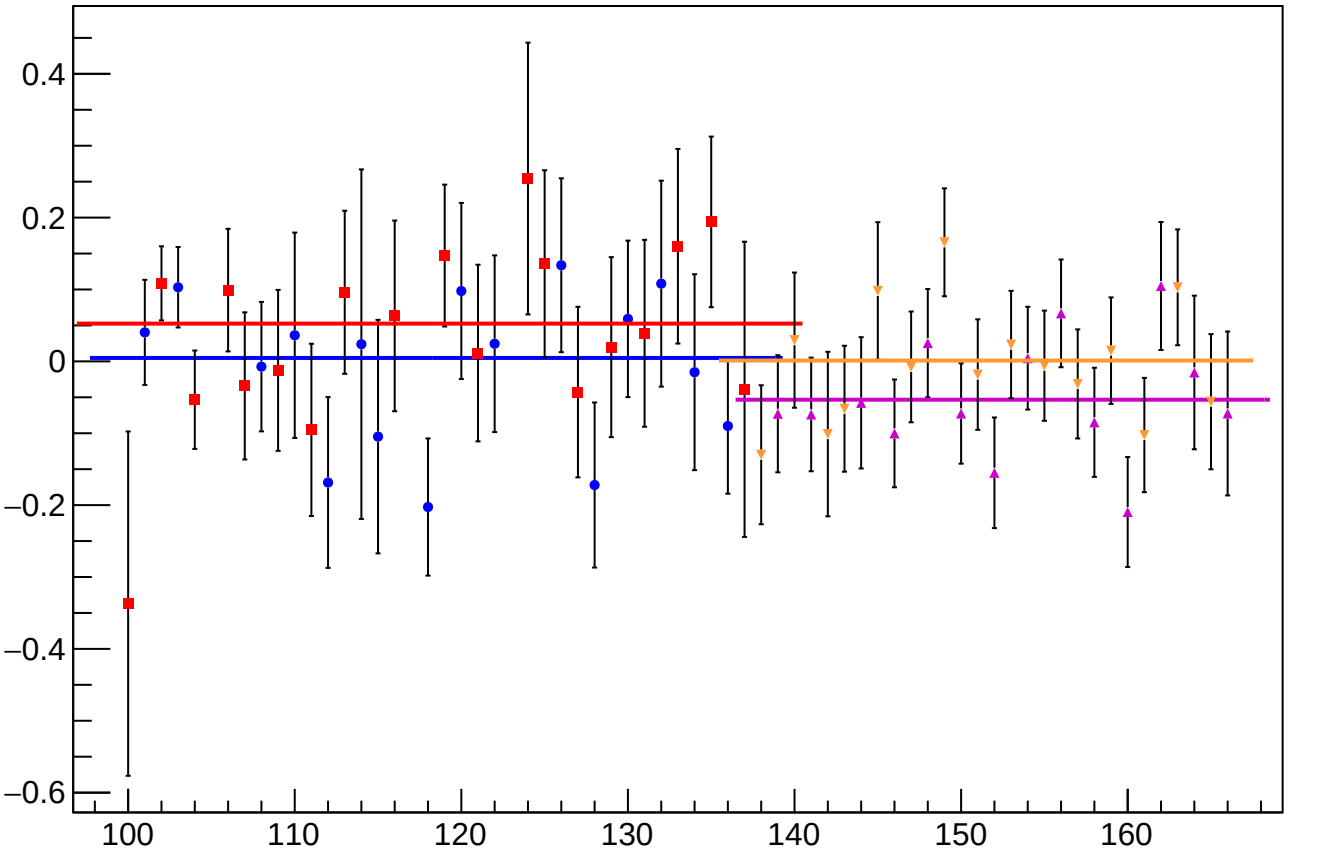
Left: 0.000+/-0.000 χ^2/NDF: 2053407.2/28

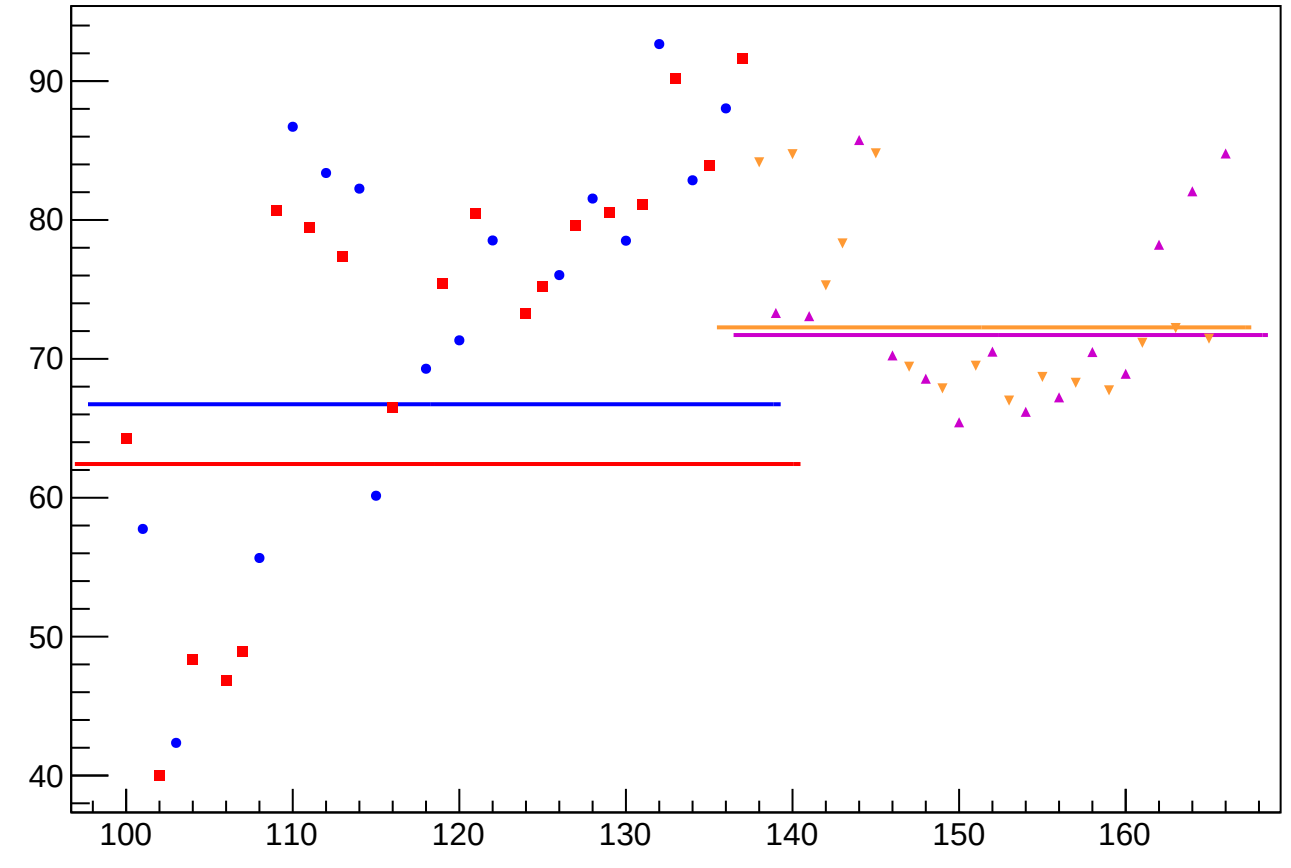
Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3889478.2/29

Out: 0.000+/-0.000 χ^2/NDF:4626881.6/33

All: 0.000+/-0.000 χ^2/NDF: 8520118.7/63


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.001+/-0.021 χ²/NDF:13.2/14
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.053+/-0.021 χ²/NDF:14.3/13
Left: -0.026+/-0.015 χ²/NDF: 30.7/28
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.030+/-0.017 χ²/NDF:33.9/29
Out: 0.024+/-0.016 χ²/NDF:30.6/33
All: -0.002+/-0.011 χ²/NDF: 69.9/63



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.268+/-0.015 χ^2/NDF:150654.7/14

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.716+/-0.015 χ^2/NDF:147537.5/13

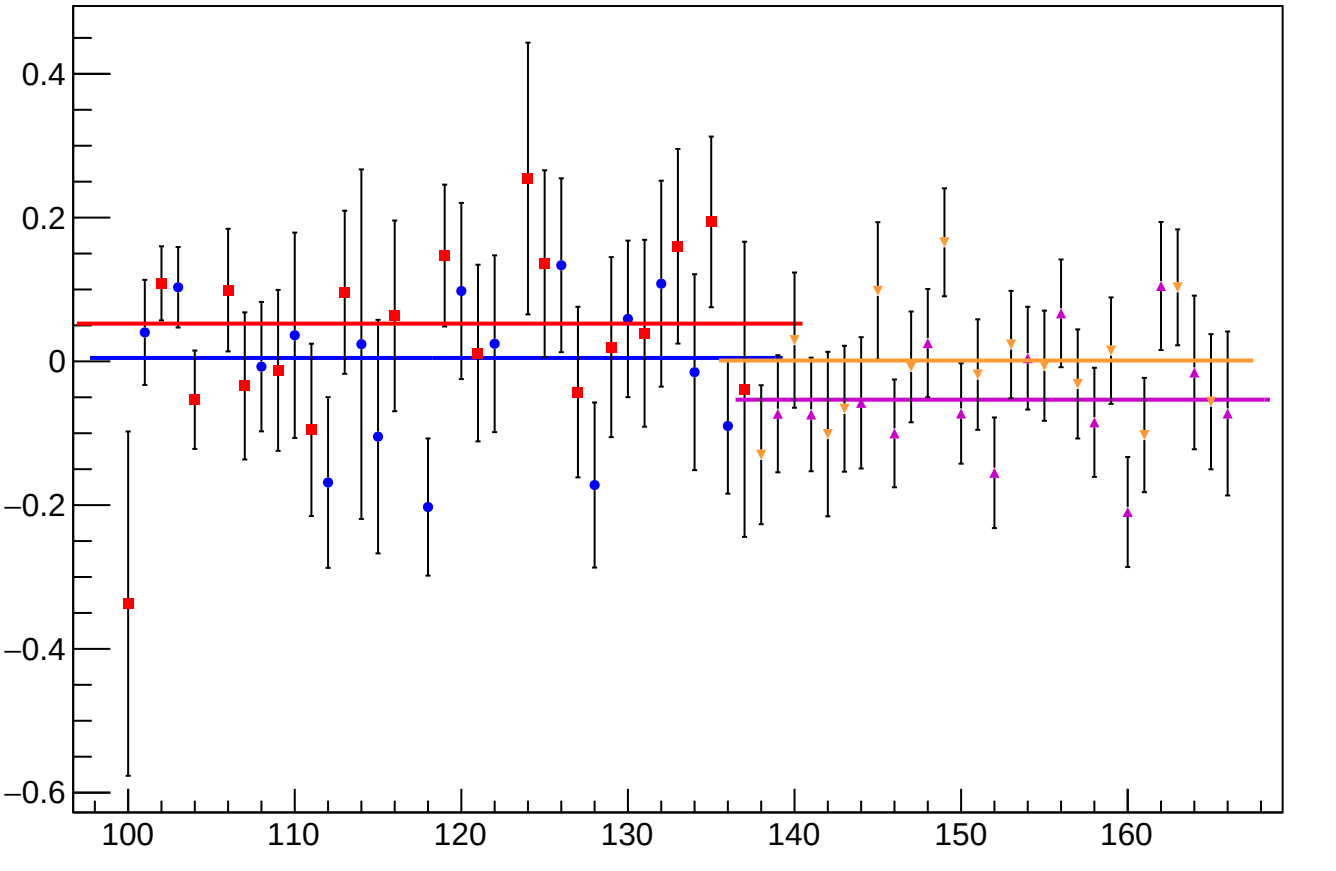
Left: 71.993+/-0.011 χ^2/NDF: 298854.7/28

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.685+/-0.012 χ^2/NDF:1008165.5/29

Out: 67.926+/-0.011 χ^2/NDF:1451146.4/33

All: 68.777+/-0.008 χ^2/NDF: 2471000.9/63



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.021 χ^2/NDF:13.2/14

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.021 χ^2/NDF:14.3/13

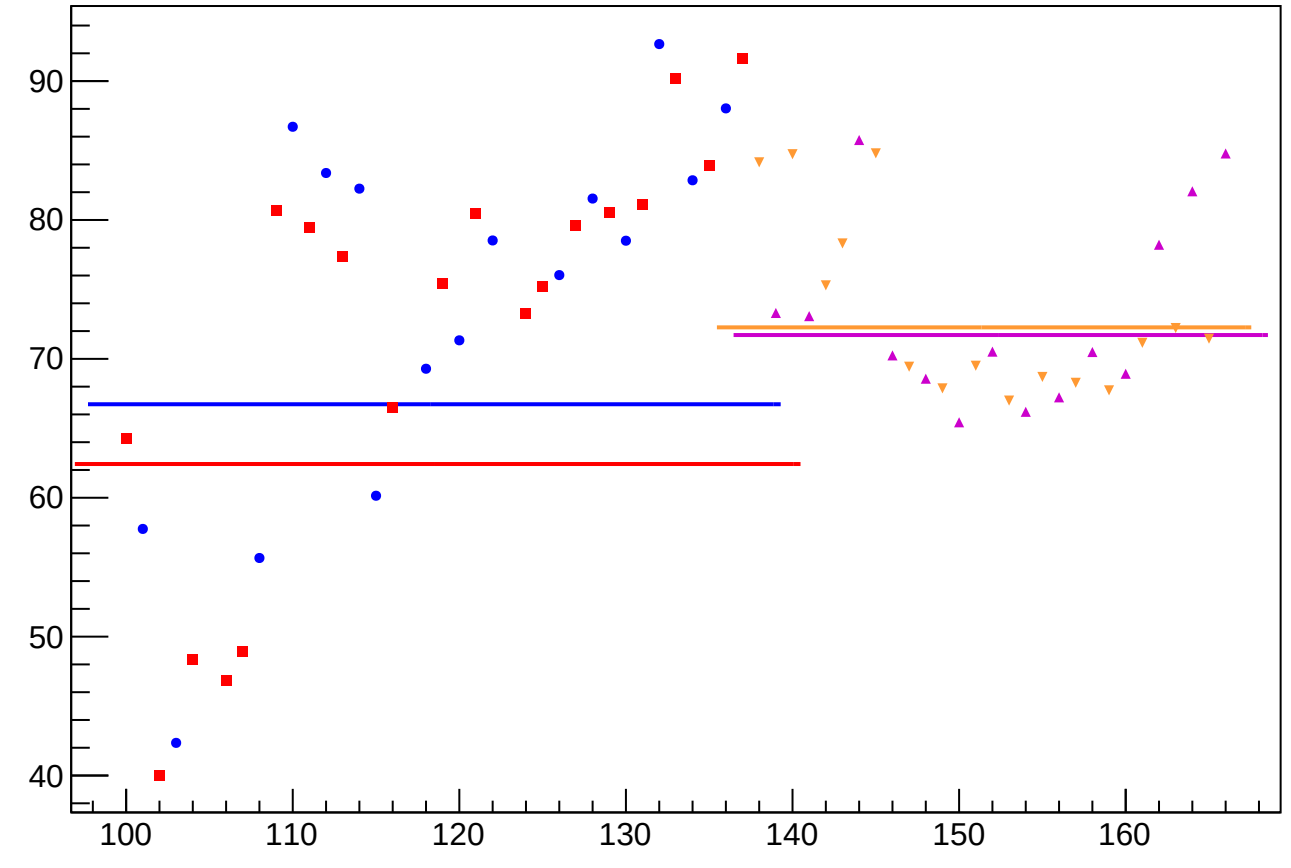
Left: -0.026+/-0.015 χ^2/NDF: 30.7/28

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.017 χ^2/NDF:33.9/29

Out: 0.024+/-0.016 χ^2/NDF:30.6/33

All: -0.002+/-0.011 χ^2/NDF: 69.9/63



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.268+/-0.015 χ^2/NDF:150654.7/14

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.716+/-0.015 χ^2/NDF:147537.5/13

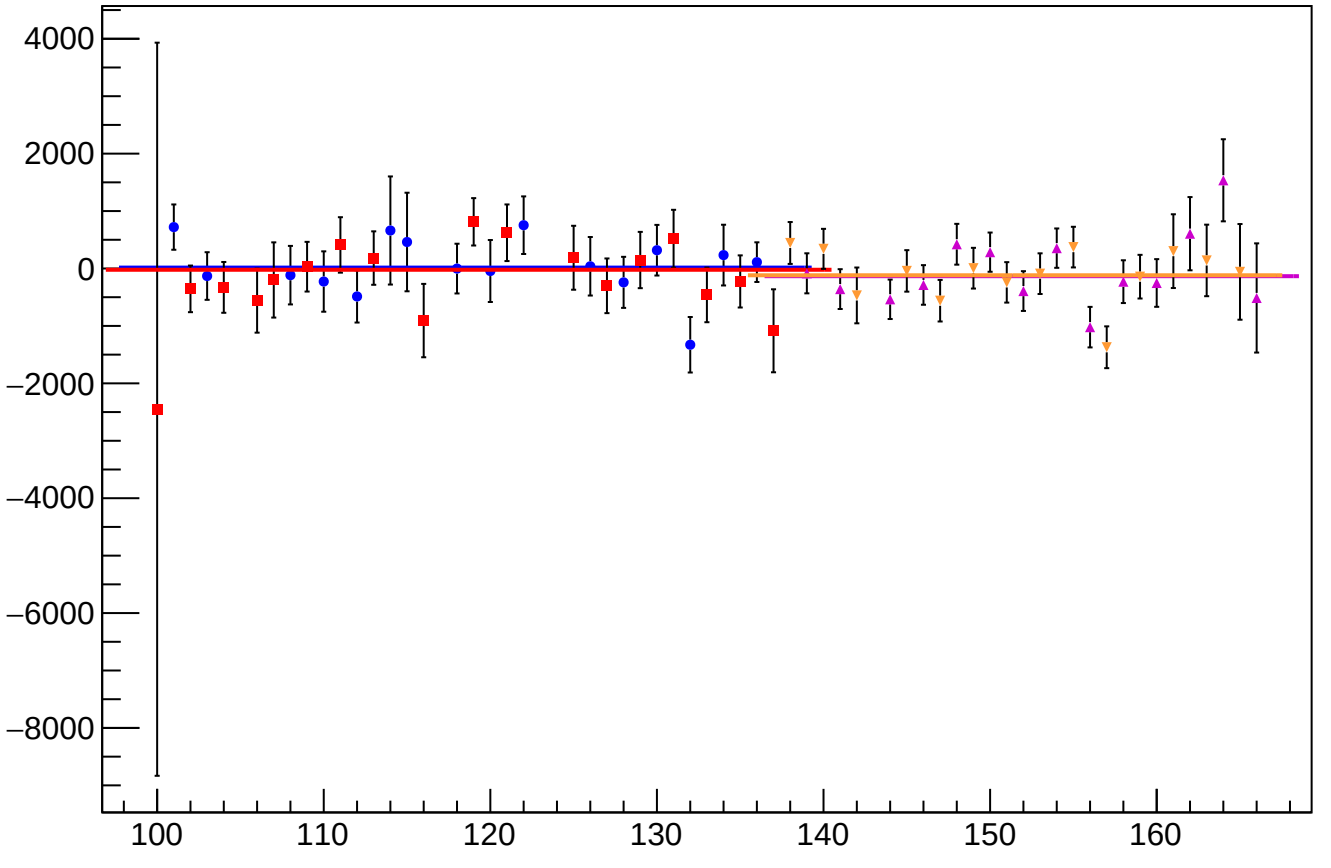
Left: 71.993+/-0.011 χ^2/NDF: 298854.7/28

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.685+/-0.012 χ^2/NDF:1008165.5/29

Out: 67.926+/-0.011 χ^2/NDF:1451146.4/33

All: 68.777+/-0.008 χ^2/NDF: 2471000.9/63



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -118.053+/-106.479 χ^2/NDF:20.8/13

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -133.943+/-103.488 χ^2/NDF:22.0/13

Left: -126.224+/-74.212 χ^2/NDF: 42.8/27

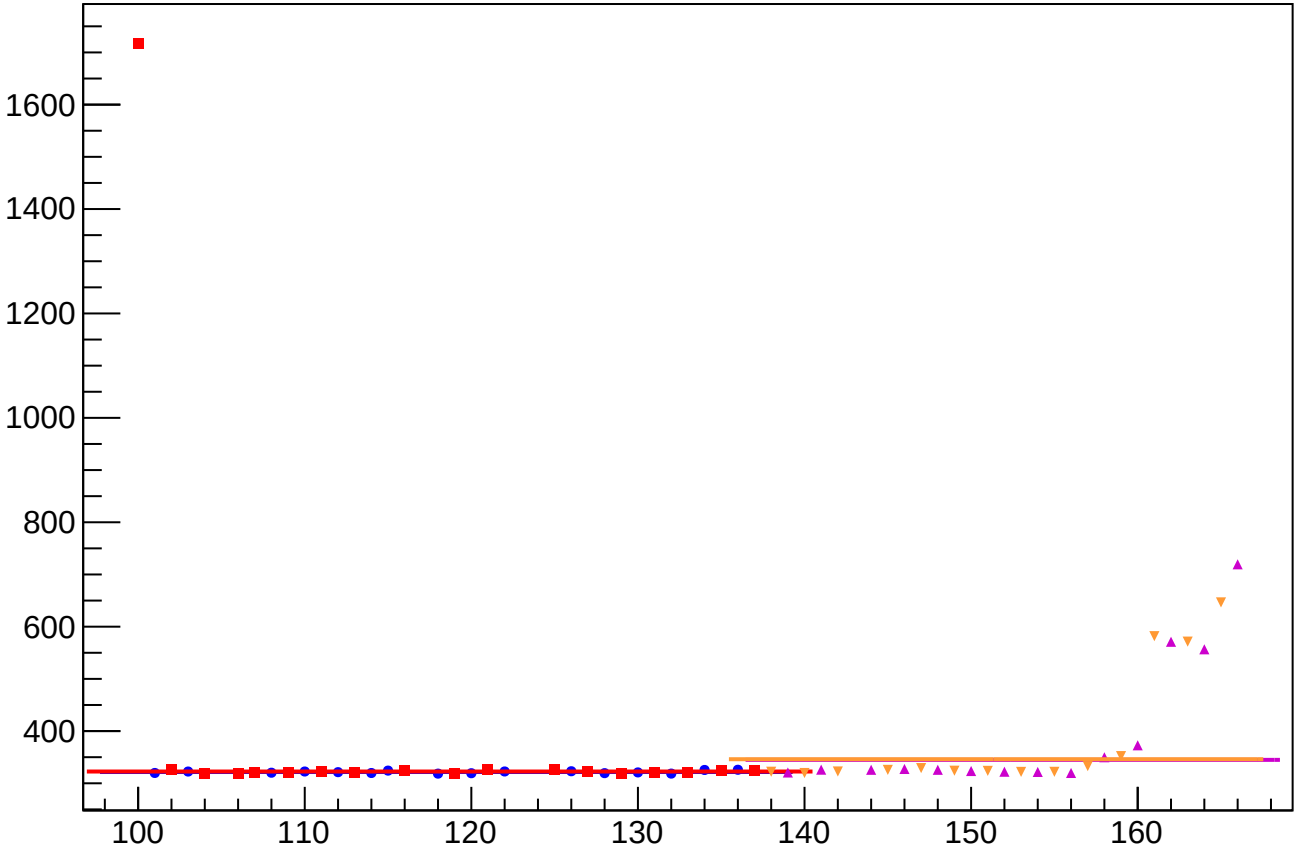
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -69.848+/-78.211 χ^2/NDF:39.4/29

Out: -75.493+/-79.413 χ^2/NDF:37.2/31

All: -72.627+/-55.724 χ^2/NDF: 76.6/61

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 346.112+/-0.075 χ^2/NDF:864254.7/13

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 344.875+/-0.073 χ^2/NDF:815419.2/13

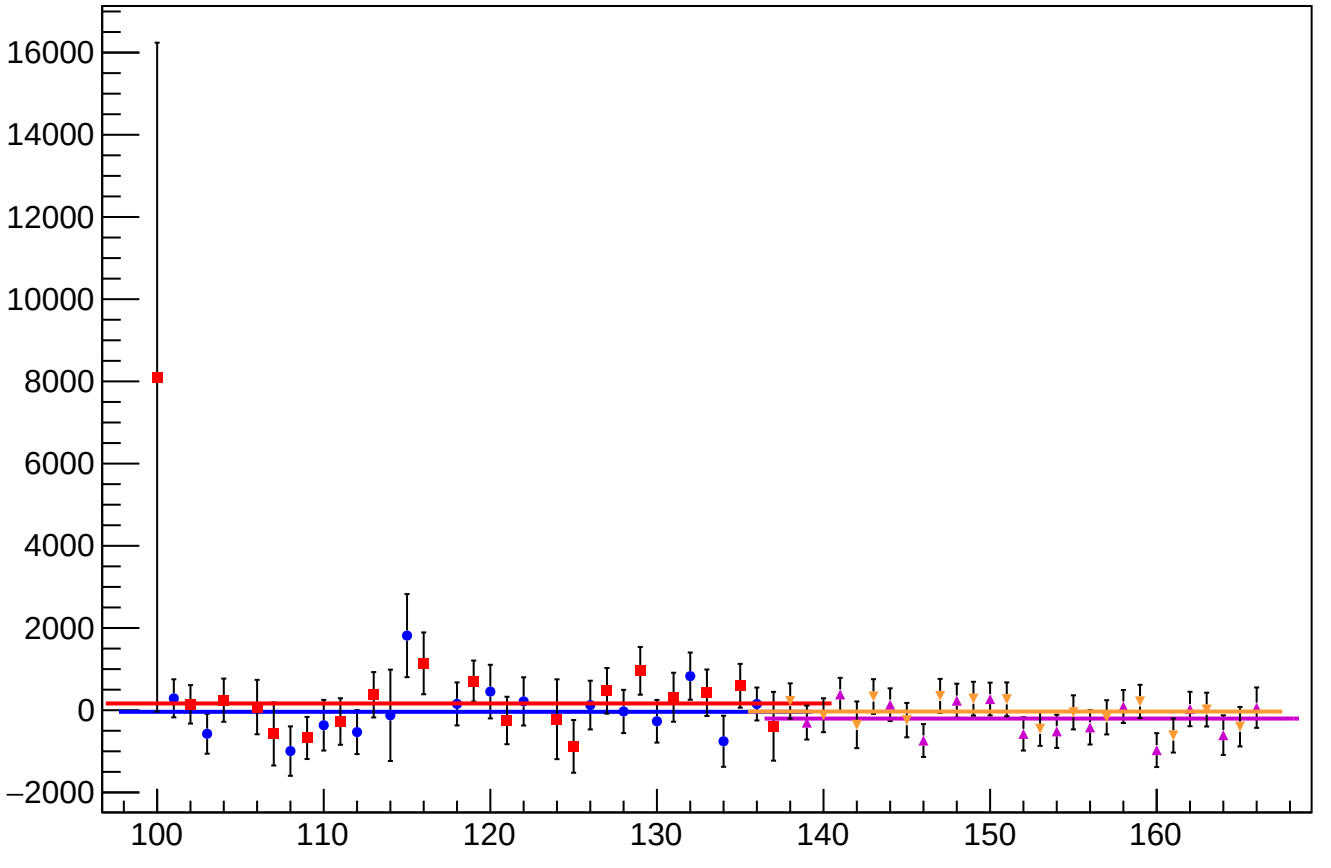
Left: 345.476+/-0.052 χ^2/NDF: 1679812.8/27

Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 334.895+/-0.055 χ^2/NDF:859610.4/29

Out: 335.657+/-0.056 χ^2/NDF:1004596.4/31

All: 335.271+/-0.039 χ^2/NDF: 1864300.3/61



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -32.278+/-109.804 χ^2/NDF:7.7/14

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -203.165+/-111.179 χ^2/NDF:14.2/13

Left: -116.658+/-78.125 χ^2/NDF: 23.1/28

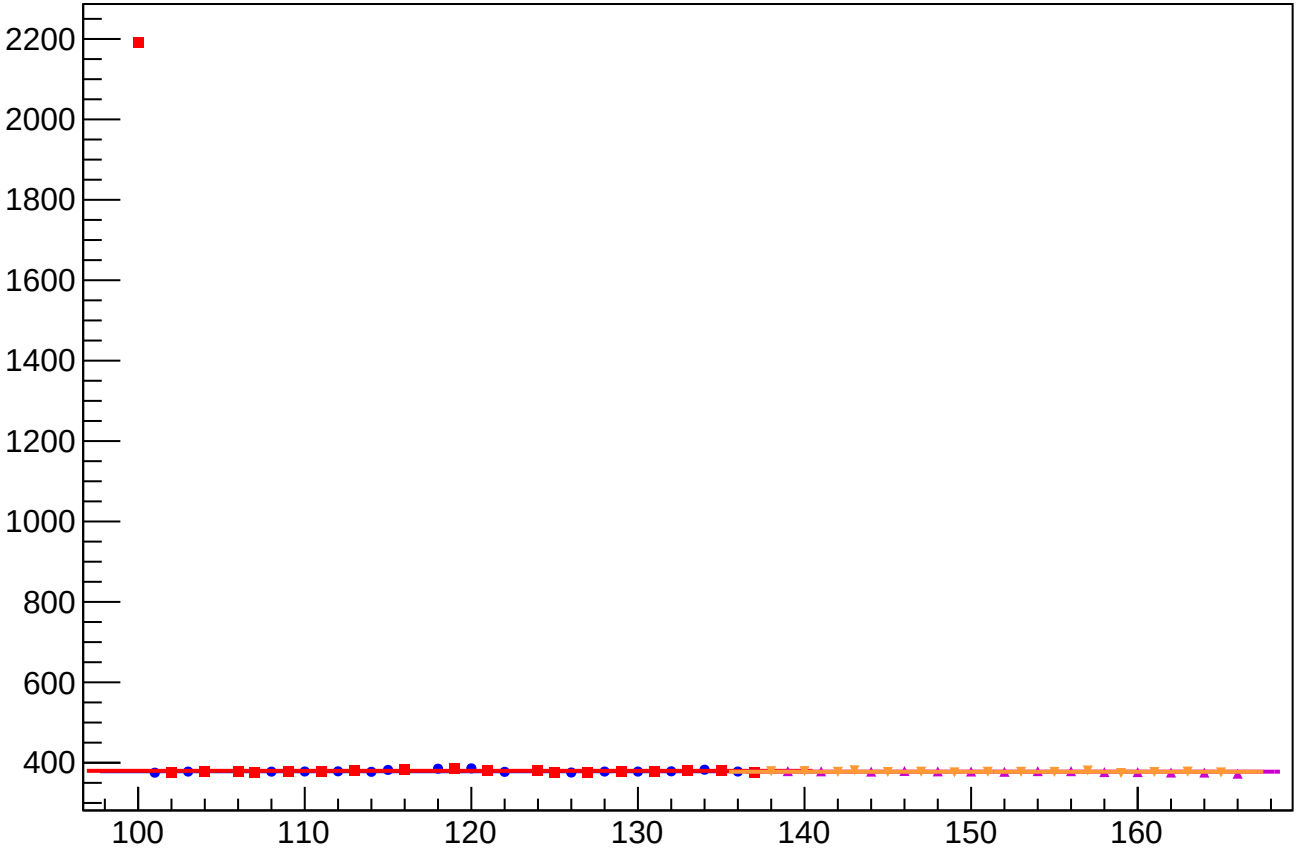
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -140.040+/-87.237 χ^2/NDF:28.8/29

Out: 43.413+/-86.154 χ^2/NDF:24.1/33

All: -47.168+/-61.299 χ^2/NDF: 55.1/63

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.645+/-0.078 χ^2/NDF:484.7/14

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.790+/-0.079 χ^2/NDF:446.8/13

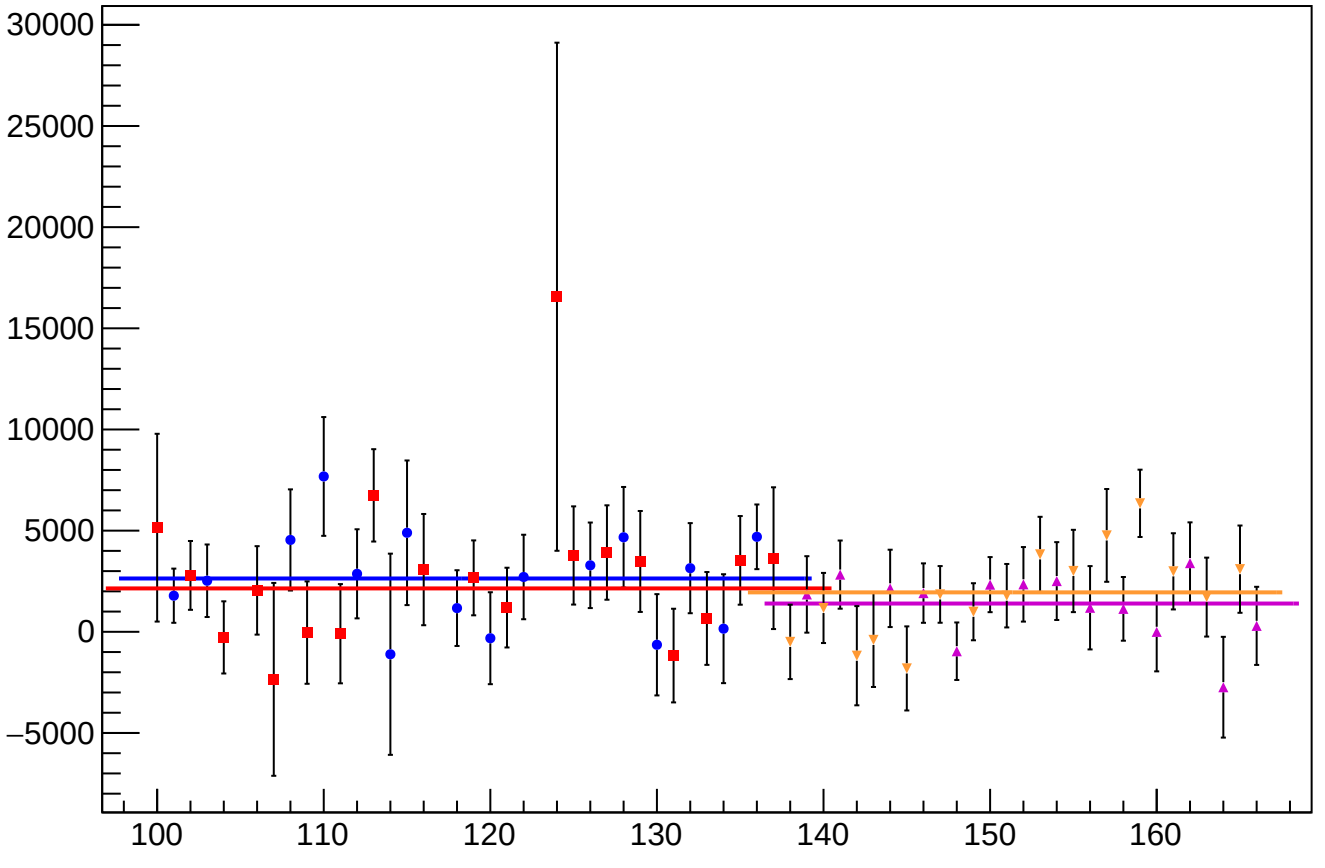
Left: 377.716+/-0.055 χ^2/NDF: 933.3/28

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.220+/-0.062 χ^2/NDF:1376.1/29

Out: 378.503+/-0.061 χ^2/NDF:100424.2/33

All: 378.363+/-0.043 χ^2/NDF: 101810.9/63



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1949.195+/-472.755 χ^2/NDF:18.8/14

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1397.277+/-469.002 χ^2/NDF:9.5/13

Left: 1671.037+/-332.953 χ^2/NDF: 29.0/28

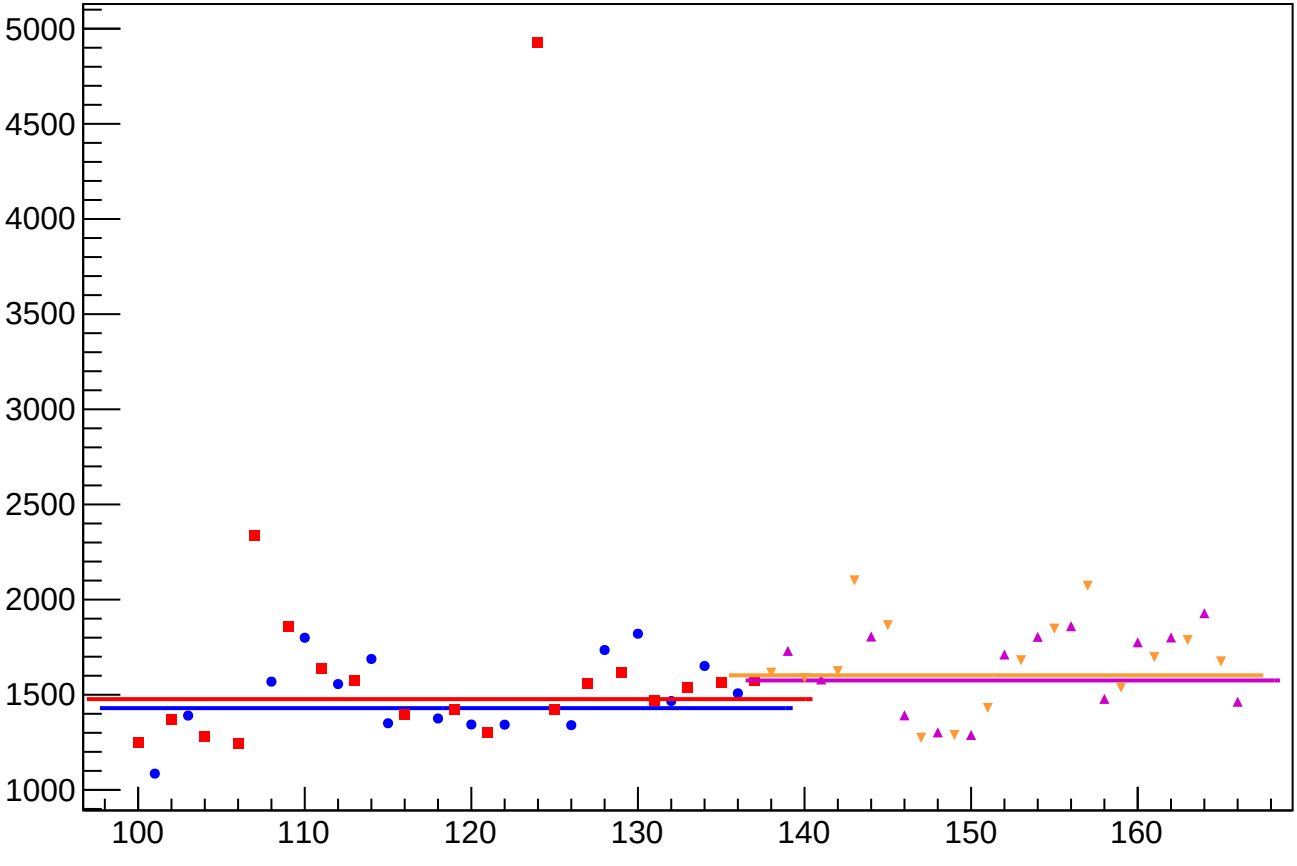
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1931.861+/-353.538 χ^2/NDF:24.8/29

Out: 2032.739+/-357.670 χ^2/NDF:33.9/33

All: 1981.714+/-251.437 χ^2/NDF: 58.7/63

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1602.310+/-0.334 χ^2/NDF:502933.0/14

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1575.207+/-0.332 χ^2/NDF:414411.2/13

Left: 1588.651+/-0.235 χ^2/NDF: 920657.3/28

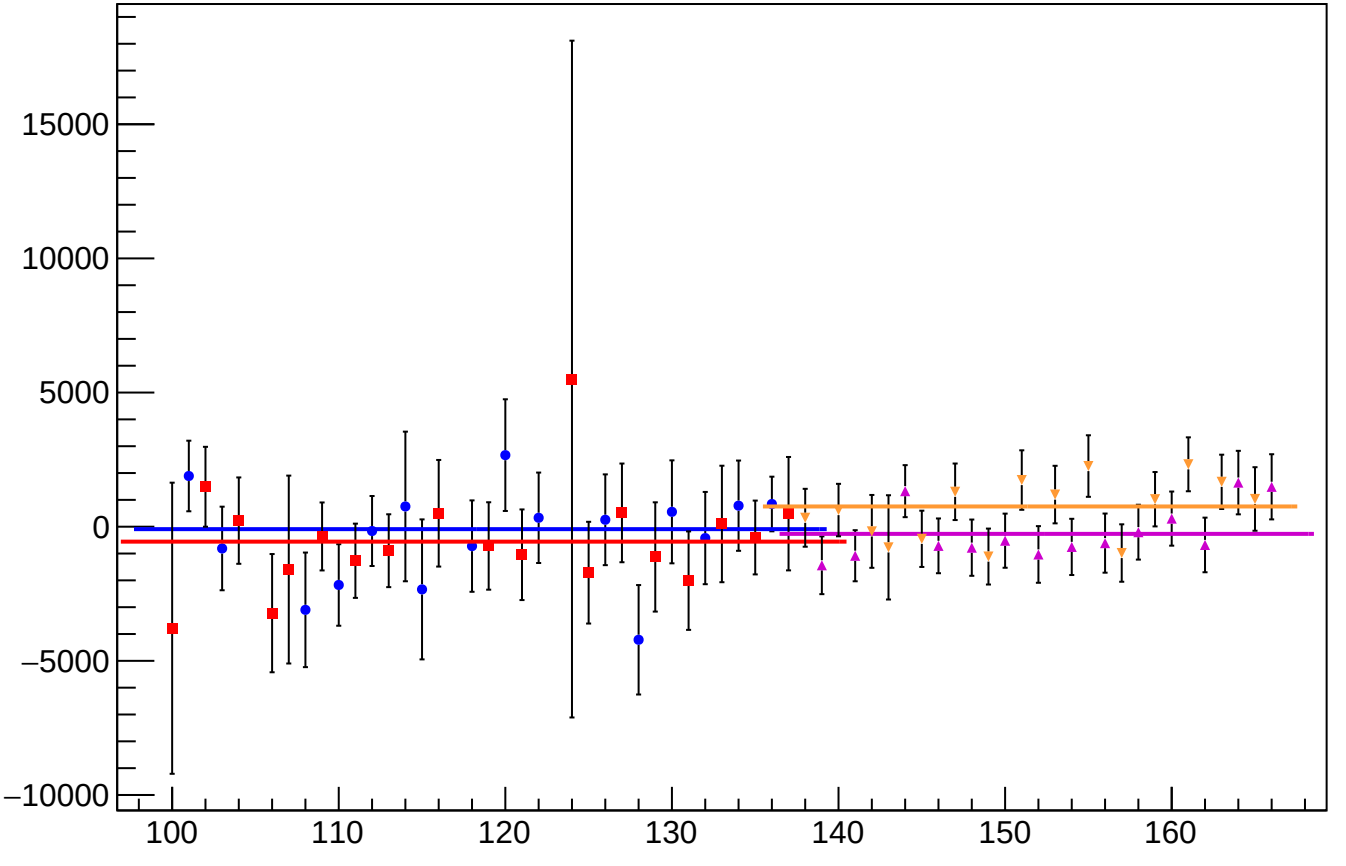
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1512.361+/-0.250 χ^2/NDF:790971.5/29

Out: 1548.780+/-0.253 χ^2/NDF:932330.0/33

All: 1530.359+/-0.178 χ^2/NDF: 1733789.8/63

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 754.100+/-283.814 χ^2/NDF:14.8/14

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -267.351+/-279.400 χ^2/NDF:11.1/13

Left: 235.370+/-199.108 χ^2/NDF: 32.5/28

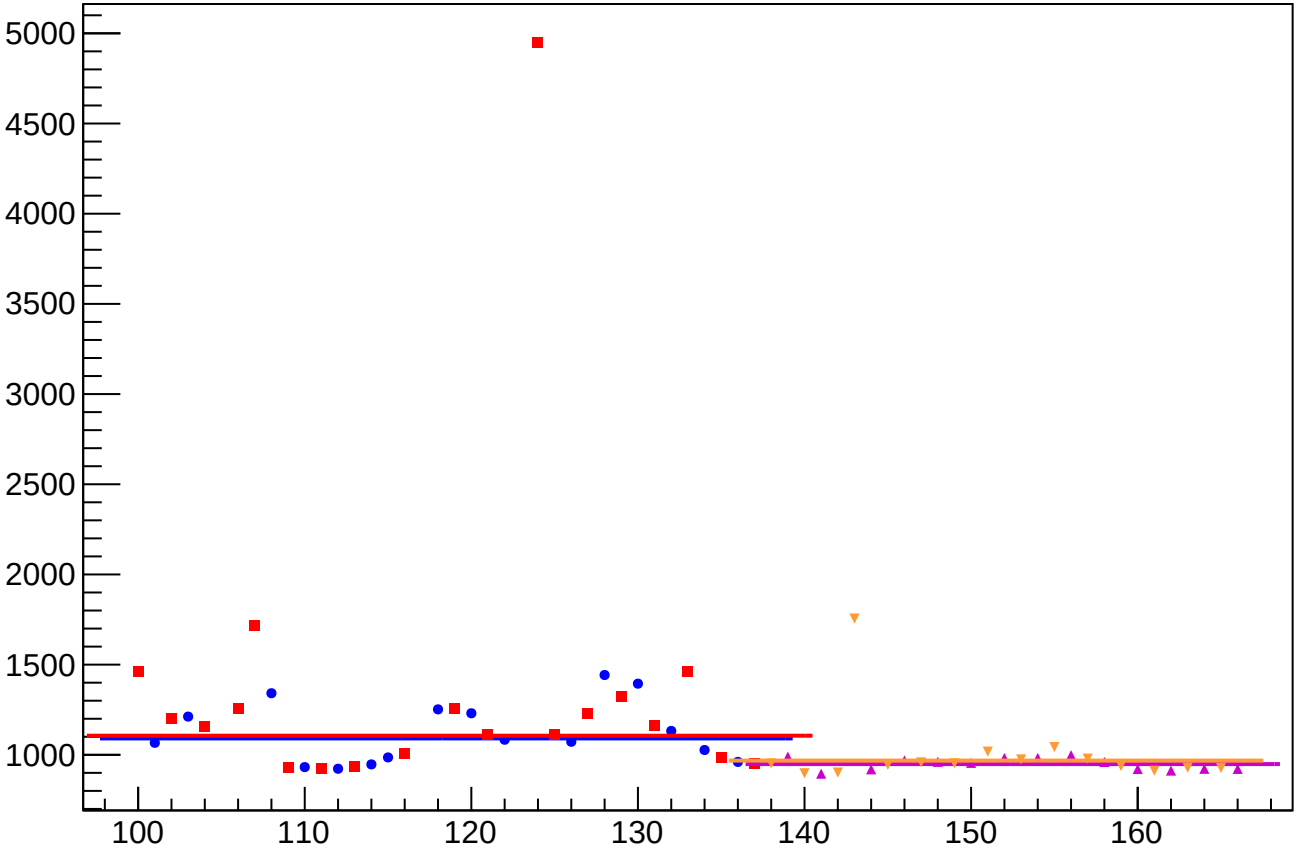
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -211.515+/-230.878 χ^2/NDF:25.8/29

Out: 331.300+/-233.605 χ^2/NDF:28.4/33

All: 56.706+/-164.211 χ^2/NDF: 56.9/63

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 968.095+/-0.201 χ^2/NDF:371933.9/14

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 948.702+/-0.198 χ^2/NDF:26646.0/13

Left: 958.247+/-0.141 χ^2/NDF: 403321.8/28

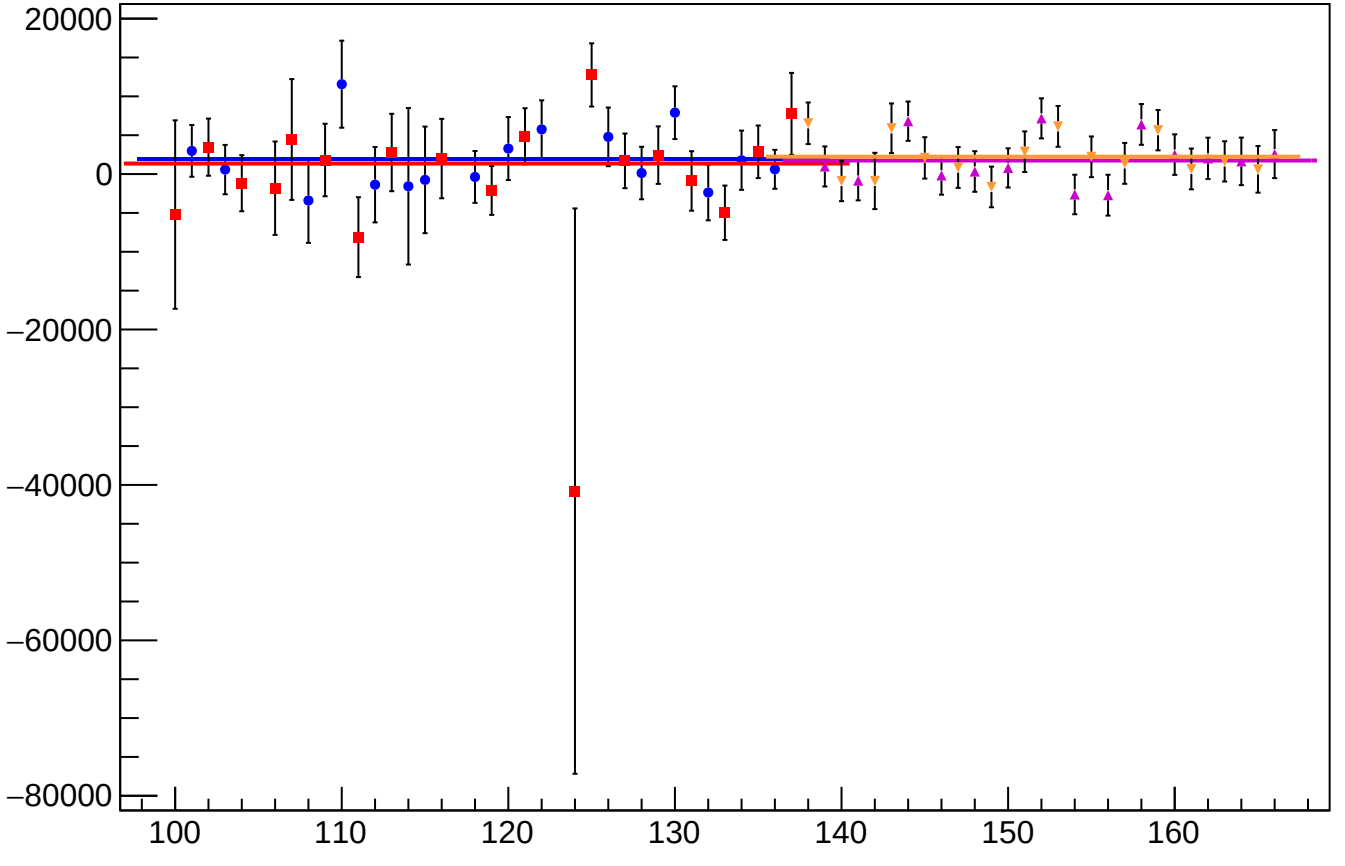
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 993.848+/-0.163 χ^2/NDF:468582.5/29

Out: 1012.586+/-0.165 χ^2/NDF:1038425.1/33

All: 1003.107+/-0.116 χ^2/NDF: 1513517.7/63

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.538+/-702.033 χ^2/NDF:13.4/14

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1743.833+/-703.084 χ^2/NDF:19.7/13

Left: 1991.555+/-496.784 χ^2/NDF: 33.3/28

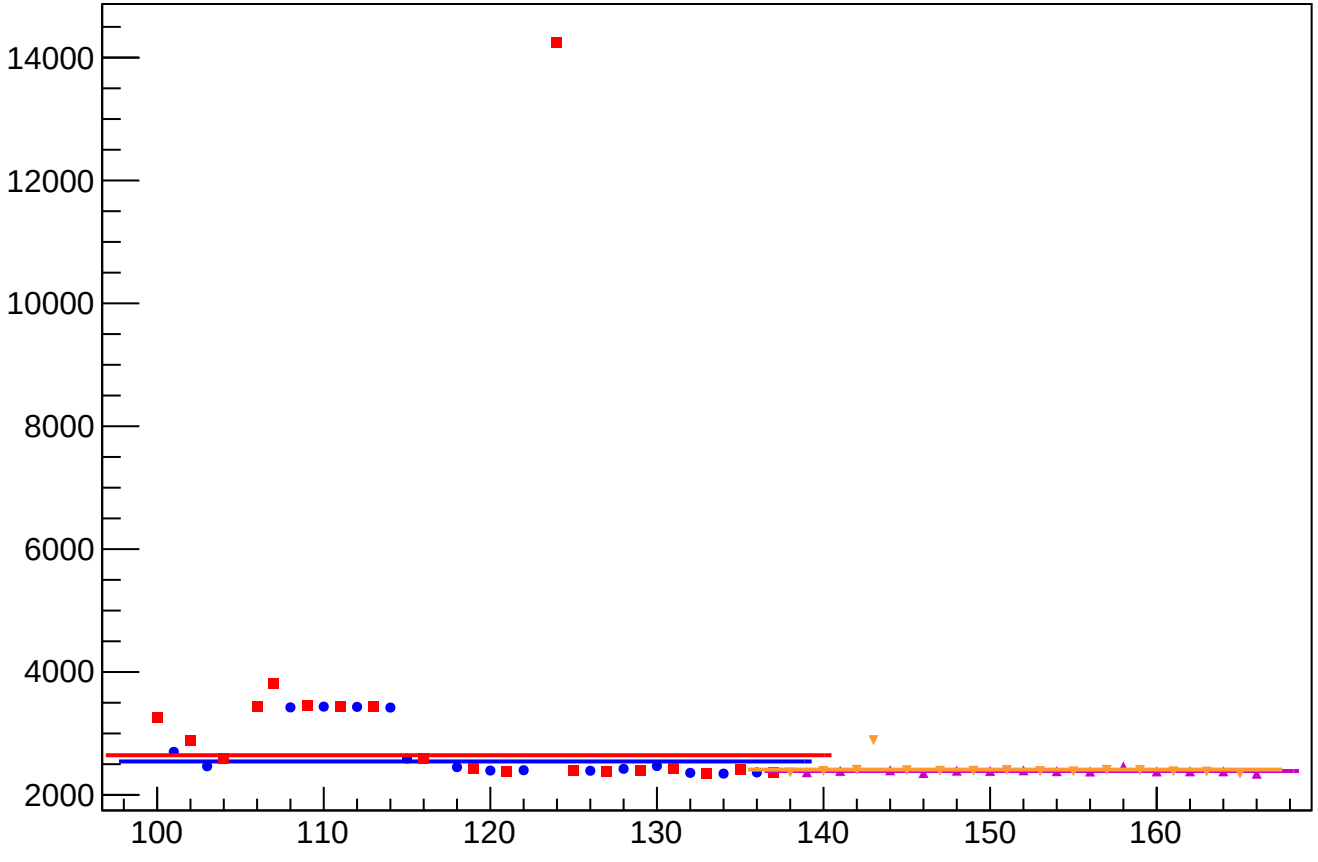
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1812.895+/-565.677 χ^2/NDF:32.0/29

Out: 1940.428+/-571.713 χ^2/NDF:35.7/33

All: 1875.985+/-402.111 χ^2/NDF: 67.7/63

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

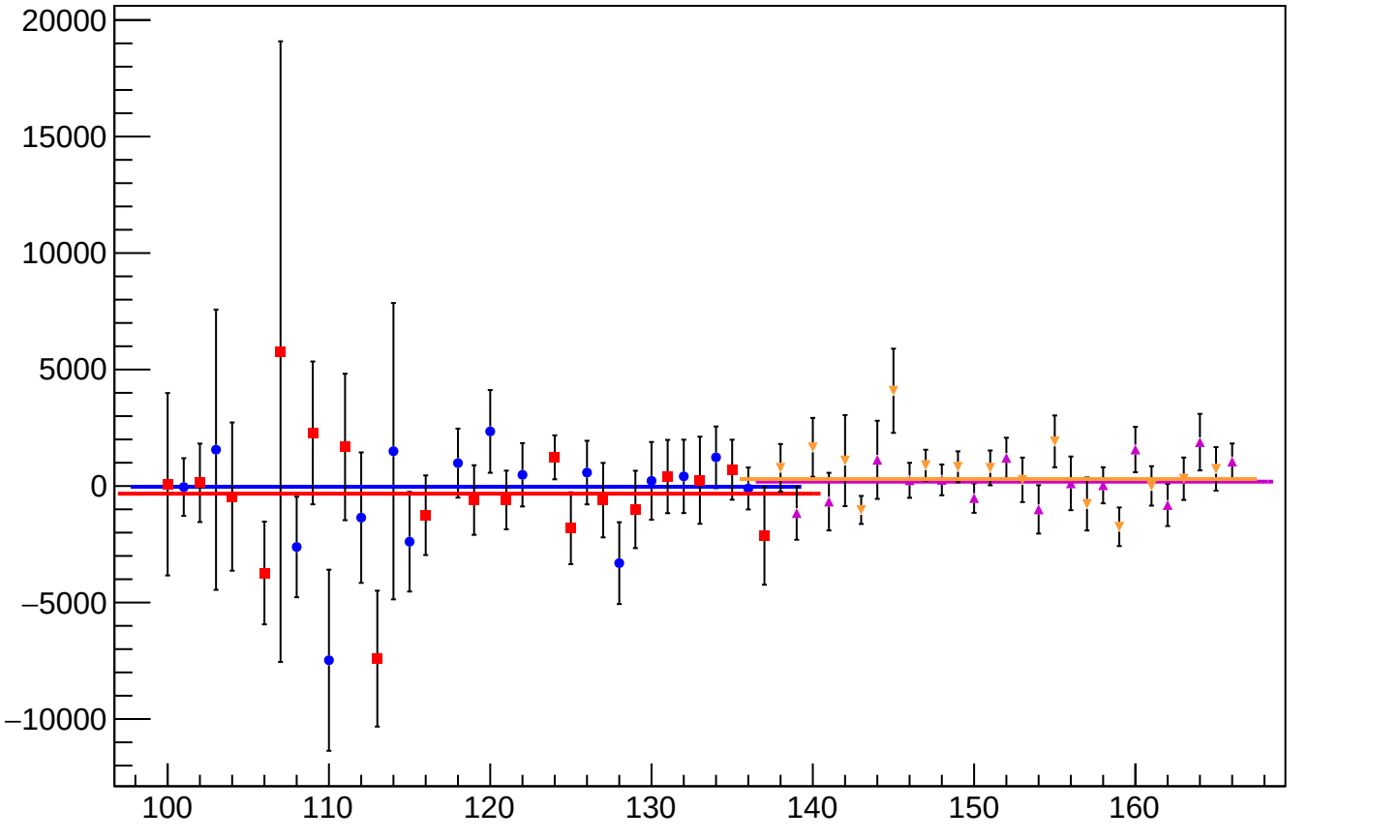
Left: 2400.623+/-0.351 χ^2/NDF: 51532.0/28

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

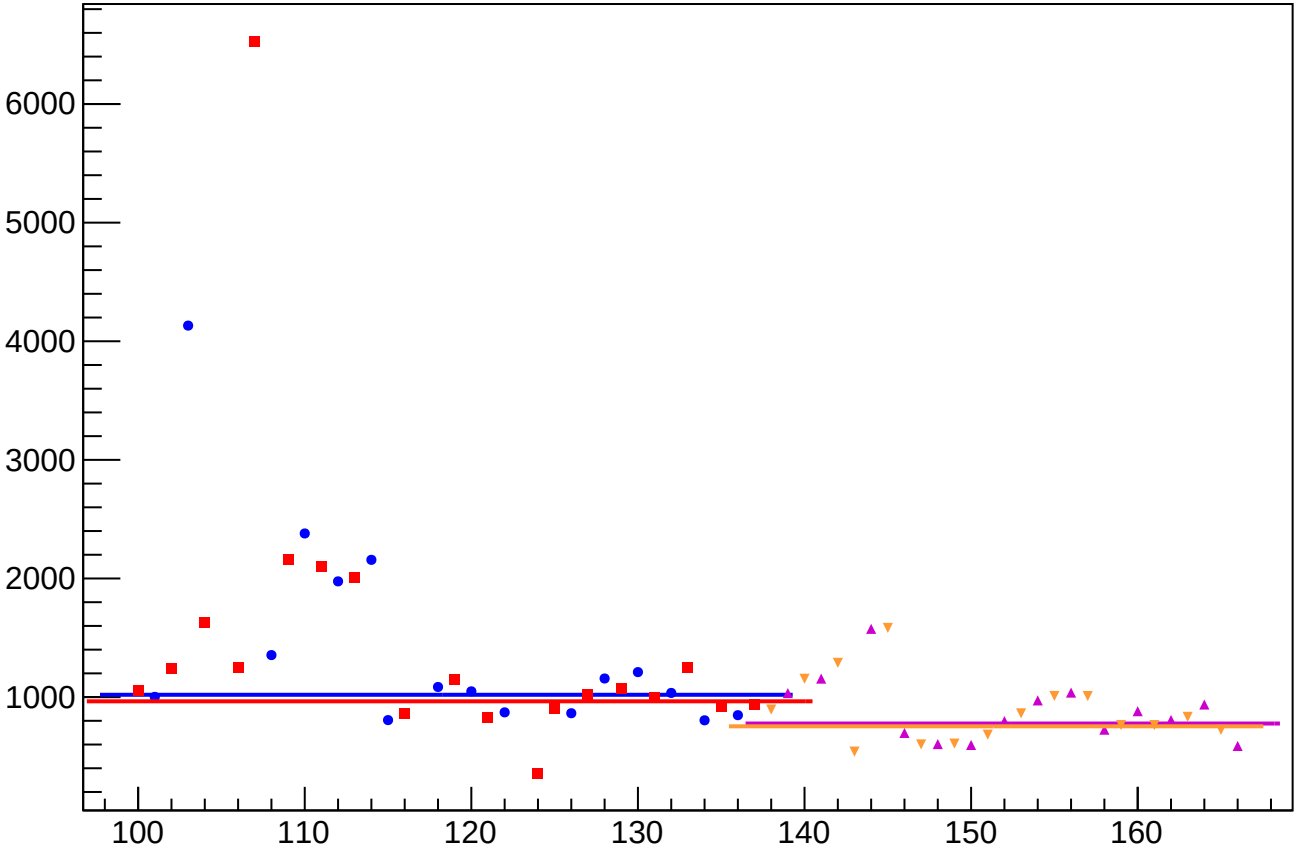
In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2490.758+/-0.404 χ^2/NDF:659363.0/33

All: 2467.073+/-0.284 χ^2/NDF: 928799.1/63


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.191+/-405.726 χ²/NDF: 13.8/15
Left Out: 298.372+/-228.645 χ²/NDF:22.1/14
Right Out: -328.475+/-398.568 χ²/NDF: 15.6/18
Left In: 187.575+/-238.095 χ²/NDF:12.6/13
Left: 245.216+/-164.916 χ²/NDF: 34.8/28
Right: -182.479+/-284.327 χ²/NDF: 29.7/34
In: 131.535+/-205.348 χ²/NDF:26.6/29
Out: 143.160+/-198.328 χ²/NDF:39.6/33
All: 137.550+/-142.656 χ²/NDF: 66.2/63

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 753.730+/-0.162 χ^2/NDF:1533262.4/14

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 777.163+/-0.168 χ^2/NDF:1425585.0/13

Left: 764.972+/-0.117 χ^2/NDF: 2968926.0/28

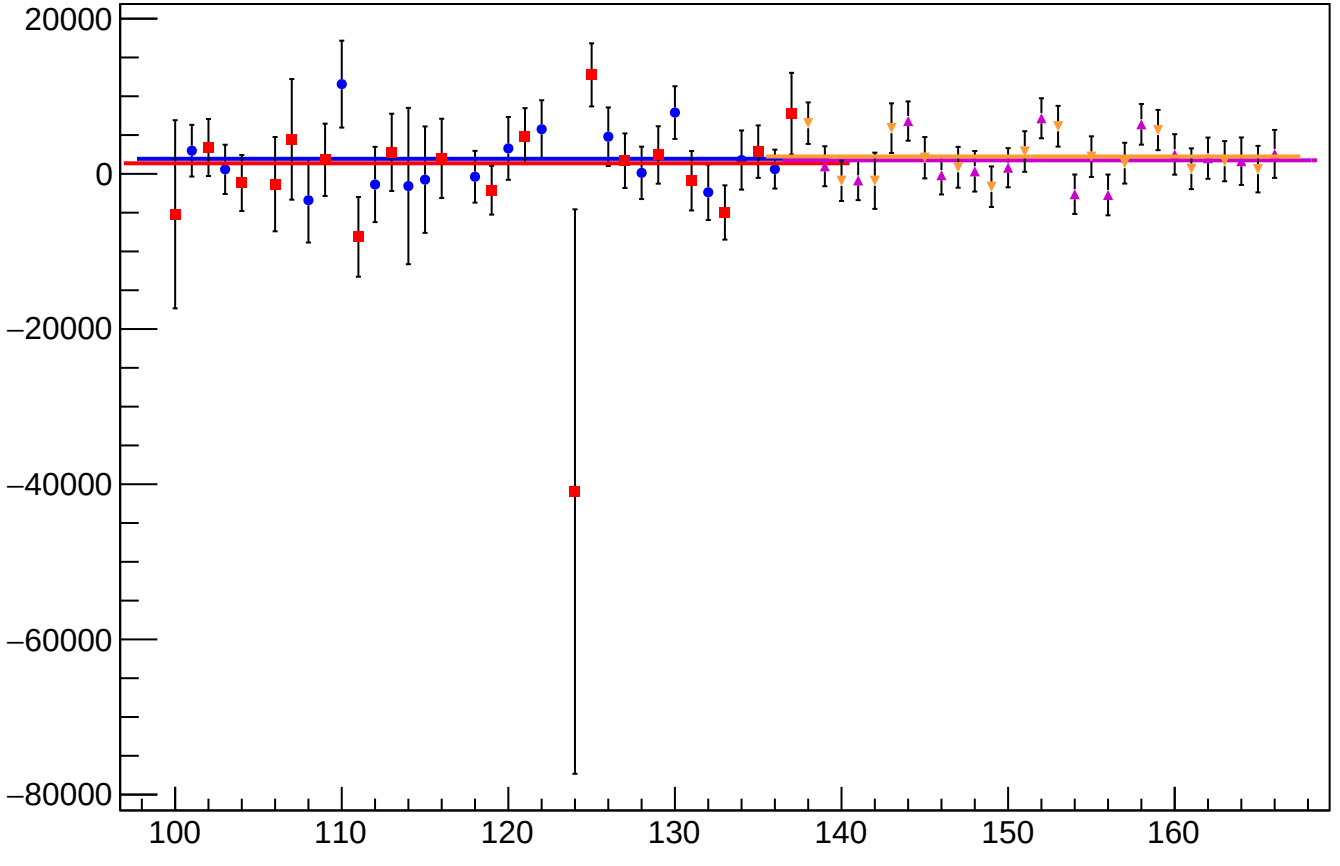
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 839.246+/-0.145 χ^2/NDF:3321170.1/29

Out: 805.888+/-0.140 χ^2/NDF:4262950.2/33

All: 821.987+/-0.101 χ^2/NDF: 7611426.8/63

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1743.945+/-703.084 χ^2/NDF:19.7/13

Left: 1991.573+/-496.784 χ^2/NDF: 33.3/28

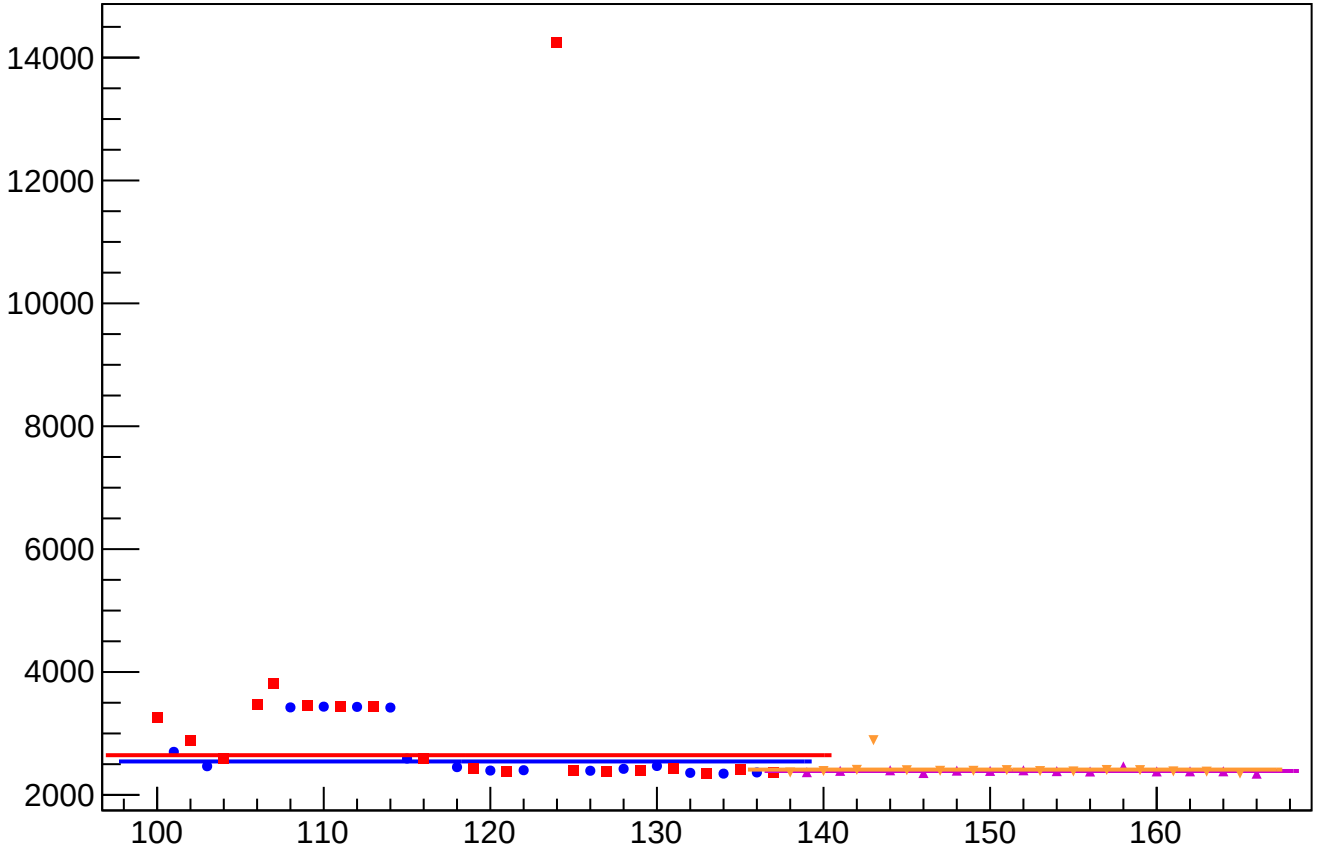
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1813.090+/-565.677 χ^2/NDF:32.0/29

Out: 1943.751+/-571.772 χ^2/NDF:35.6/33

All: 1877.721+/-402.132 χ^2/NDF: 67.6/63

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

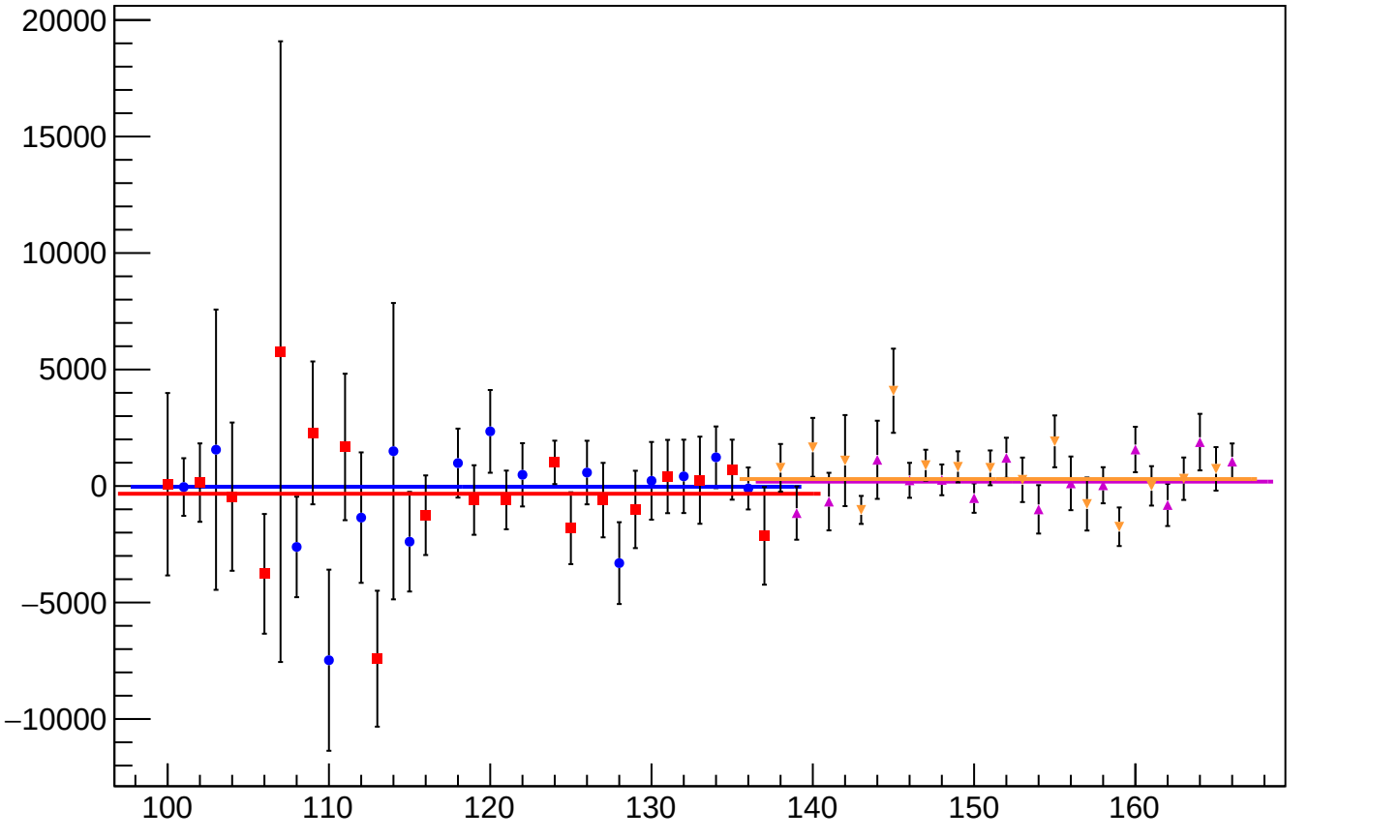
Left: 2400.623+/-0.351 χ^2/NDF: 51532.0/28

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2490.914+/-0.404 χ^2/NDF:662269.8/33

All: 2467.147+/-0.284 χ^2/NDF: 931750.4/63


asym_atl1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
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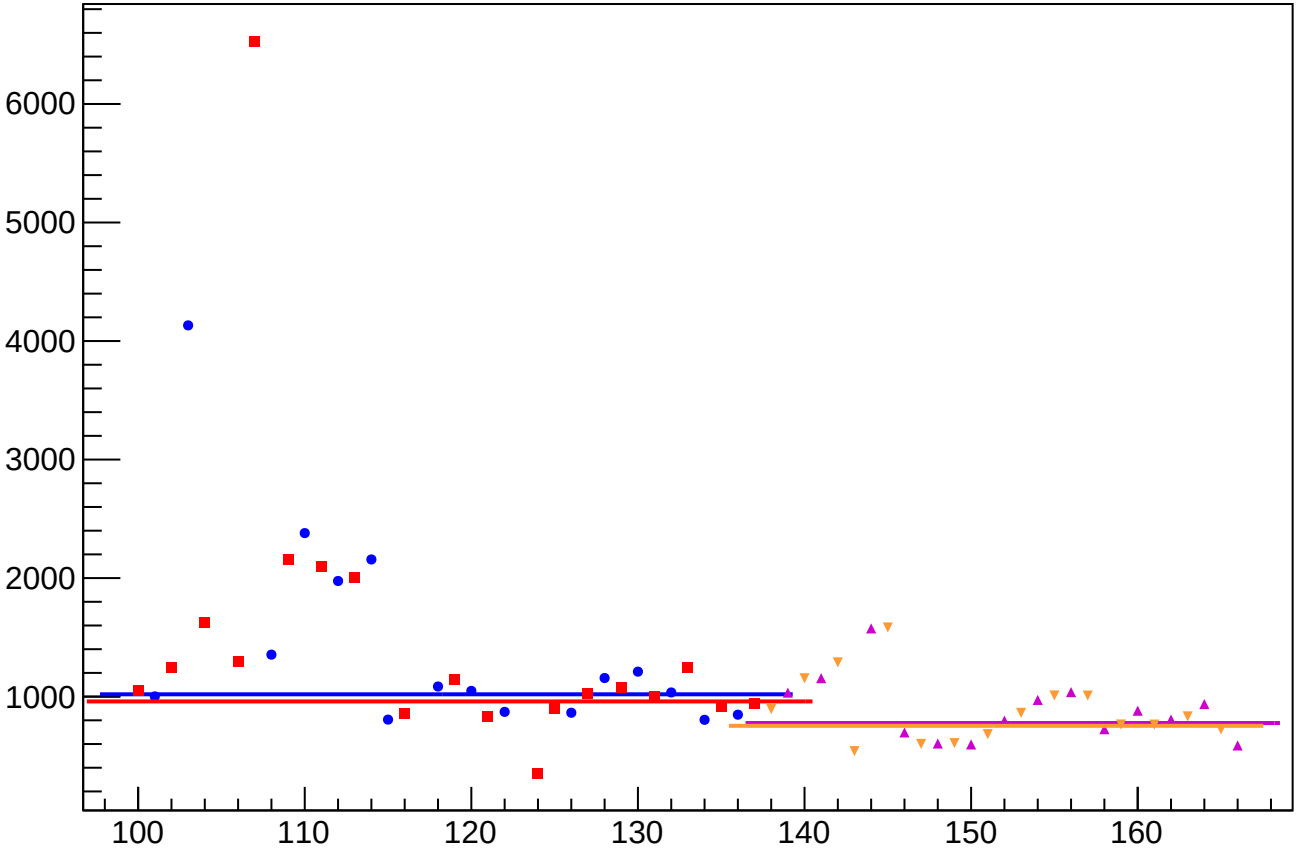
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 298.307+/-228.648 χ²/NDF:22.1/14
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 187.651+/-238.095 χ²/NDF:12.6/13
Left: 245.218+/-164.917 χ²/NDF: 34.8/28
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 131.576+/-205.347 χ²/NDF:26.6/29
Out: 142.695+/-198.424 χ²/NDF:38.4/33
All: 137.326+/-142.692 χ²/NDF: 65.0/63

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 777.160+/-0.168 χ^2/NDF:1425746.0/13

Left: 764.977+/-0.117 χ^2/NDF: 2969065.5/28

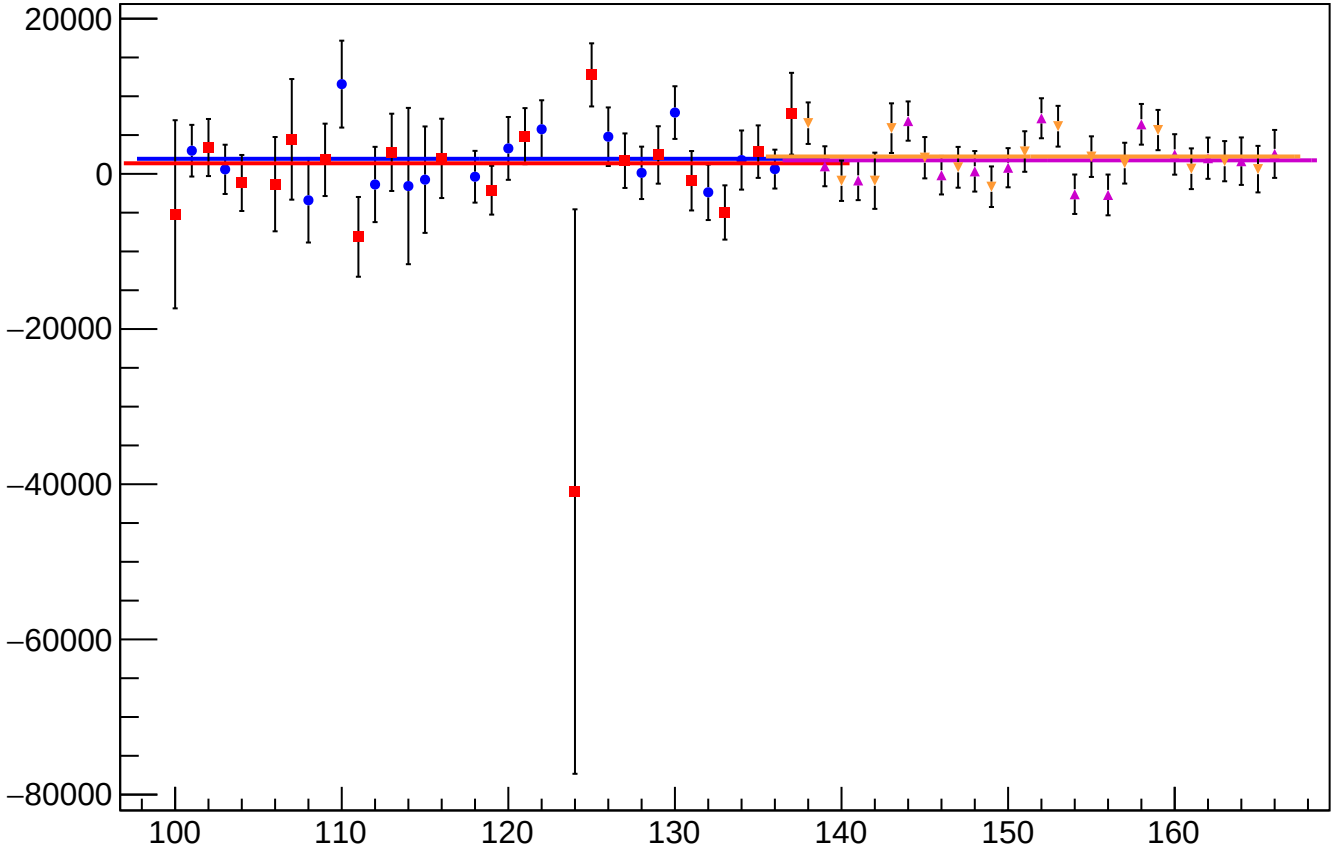
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 839.242+/-0.145 χ^2/NDF:3321309.6/29

Out: 804.504+/-0.140 χ^2/NDF:4276961.8/33

All: 821.278+/-0.101 χ^2/NDF: 7627870.4/63

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1743.945+/-703.084 χ^2/NDF:19.7/13

Left: 1991.573+/-496.784 χ^2/NDF: 33.3/28

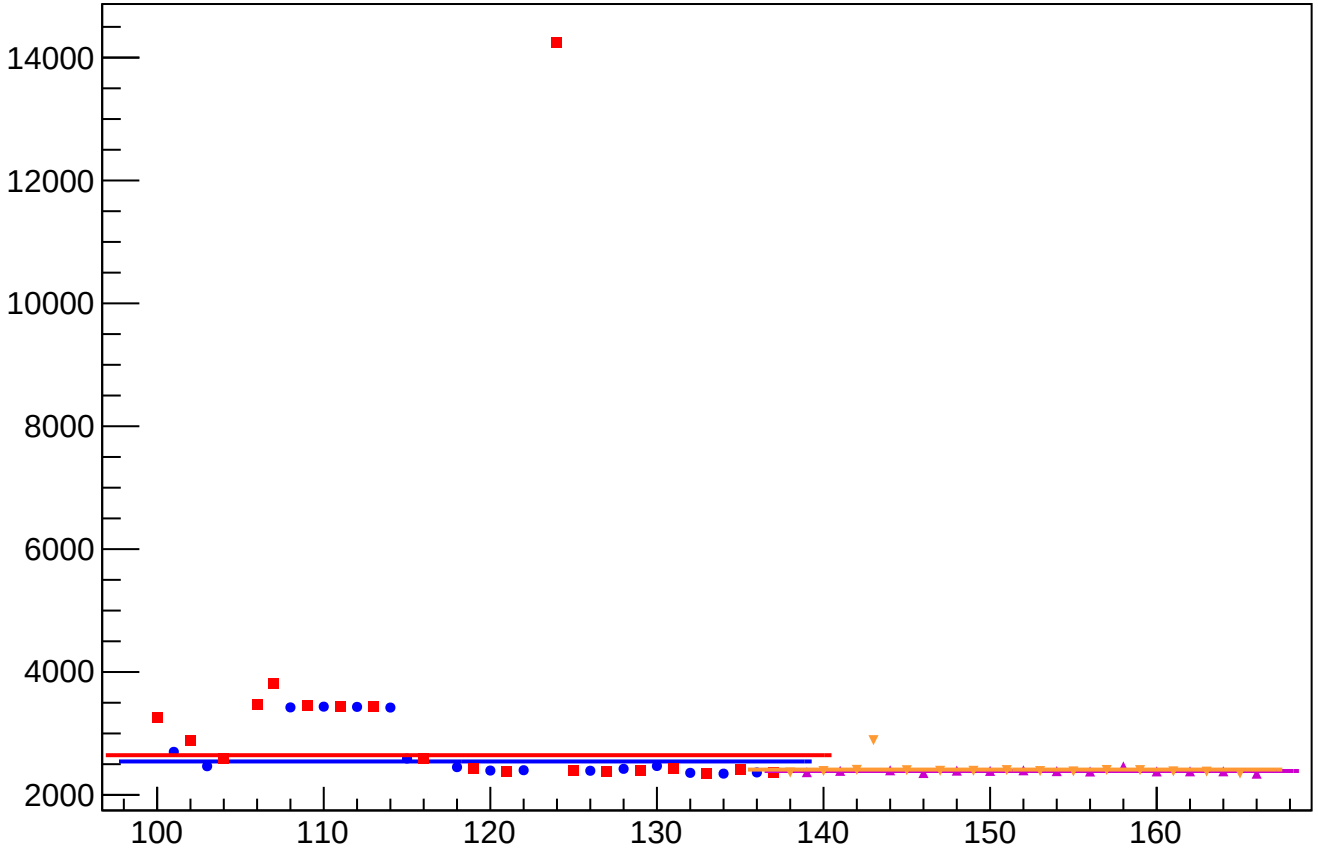
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1813.090+/-565.677 χ^2/NDF:32.0/29

Out: 1943.751+/-571.772 χ^2/NDF:35.6/33

All: 1877.721+/-402.132 χ^2/NDF: 67.6/63

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2389.114+/-0.497 χ^2/NDF:2614.2/13

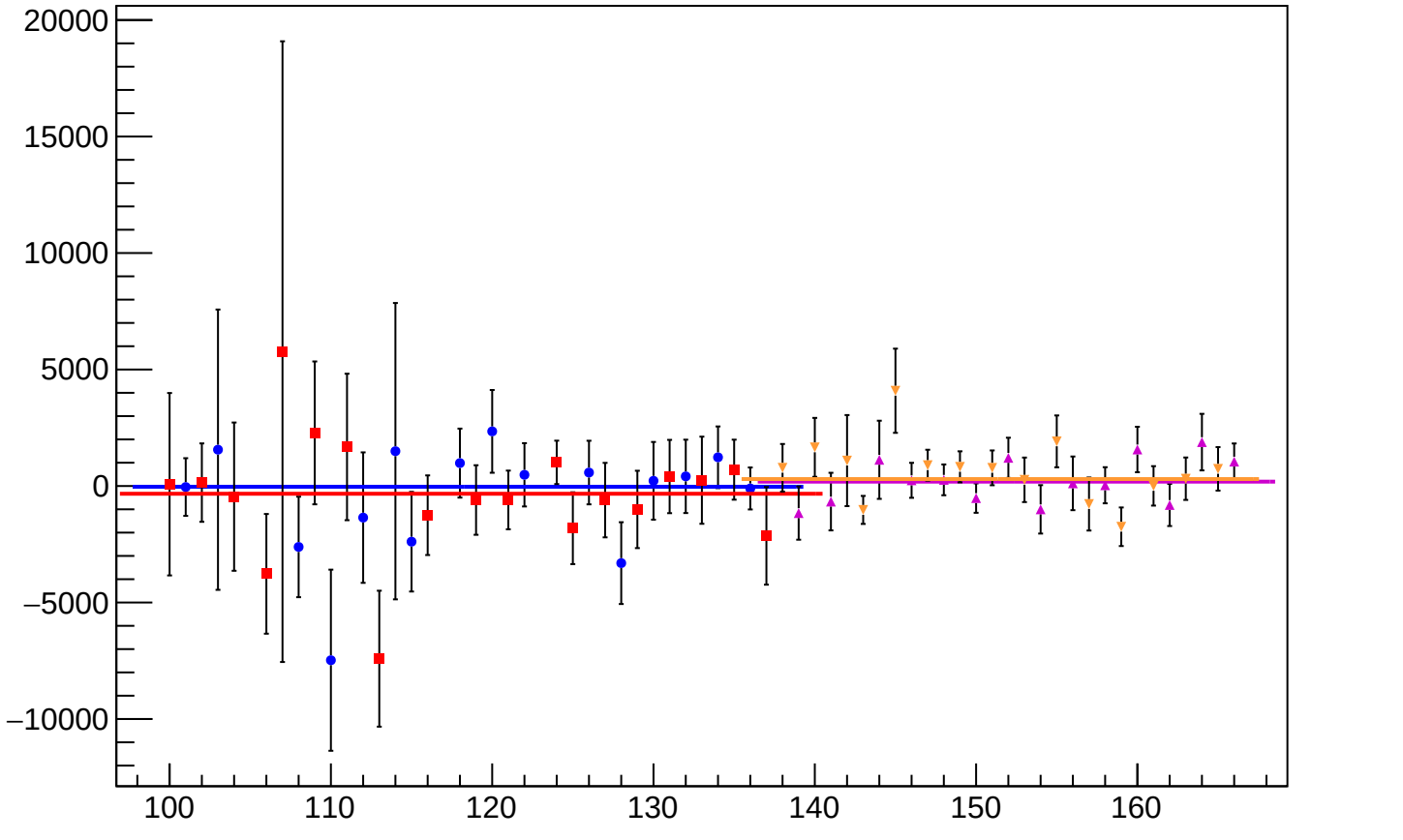
Left: 2400.623+/-0.351 χ^2/NDF: 51532.0/28

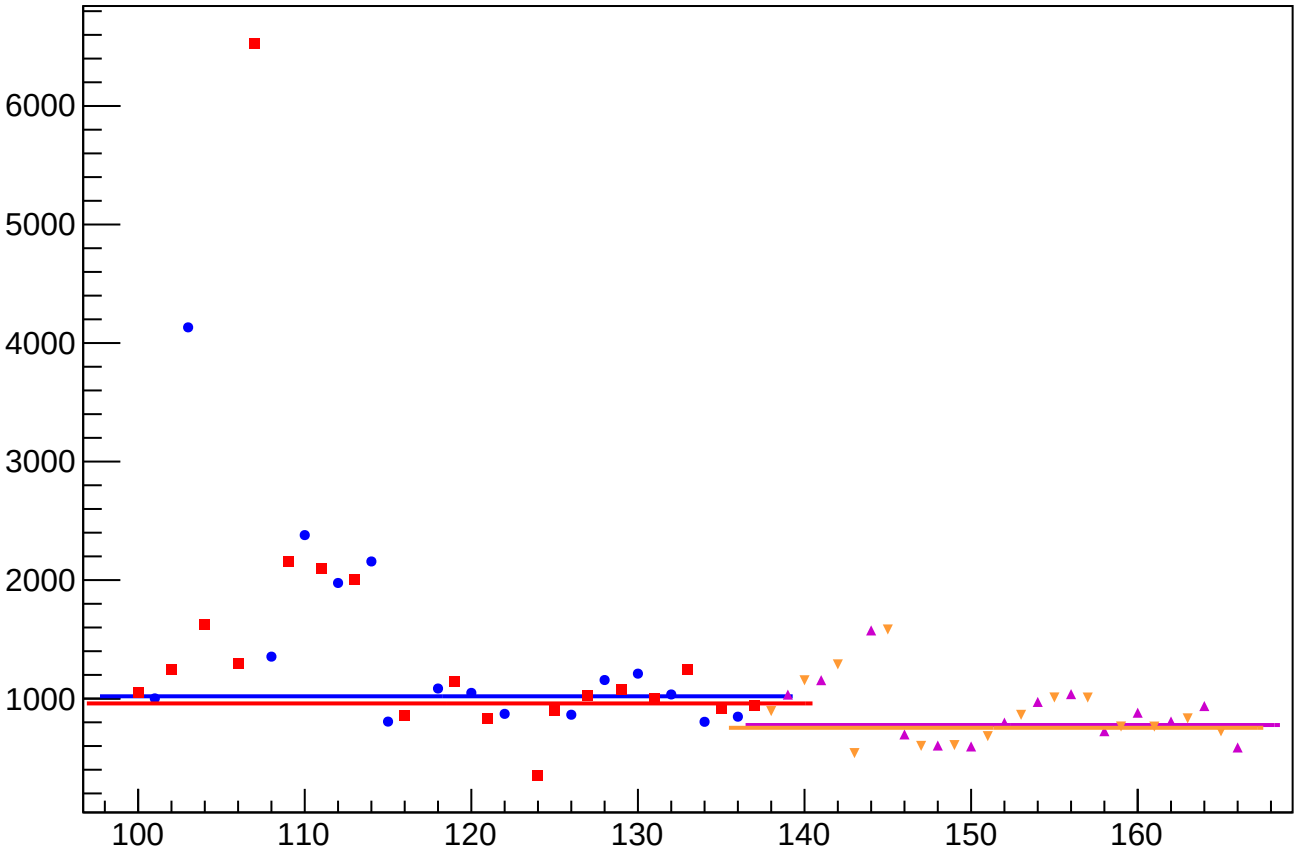
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2443.885+/-0.400 χ^2/NDF:262642.8/29

Out: 2490.914+/-0.404 χ^2/NDF:662269.8/33

All: 2467.147+/-0.284 χ^2/NDF: 931750.4/63


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 298.307+/-228.648 χ²/NDF:22.1/14
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 187.651+/-238.095 χ²/NDF:12.6/13
Left: 245.218+/-164.917 χ²/NDF: 34.8/28
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 131.576+/-205.347 χ²/NDF:26.6/29
Out: 142.695+/-198.424 χ²/NDF:38.4/33
All: 137.326+/-142.692 χ²/NDF: 65.0/63



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 777.160+/-0.168 χ^2/NDF:1425746.0/13

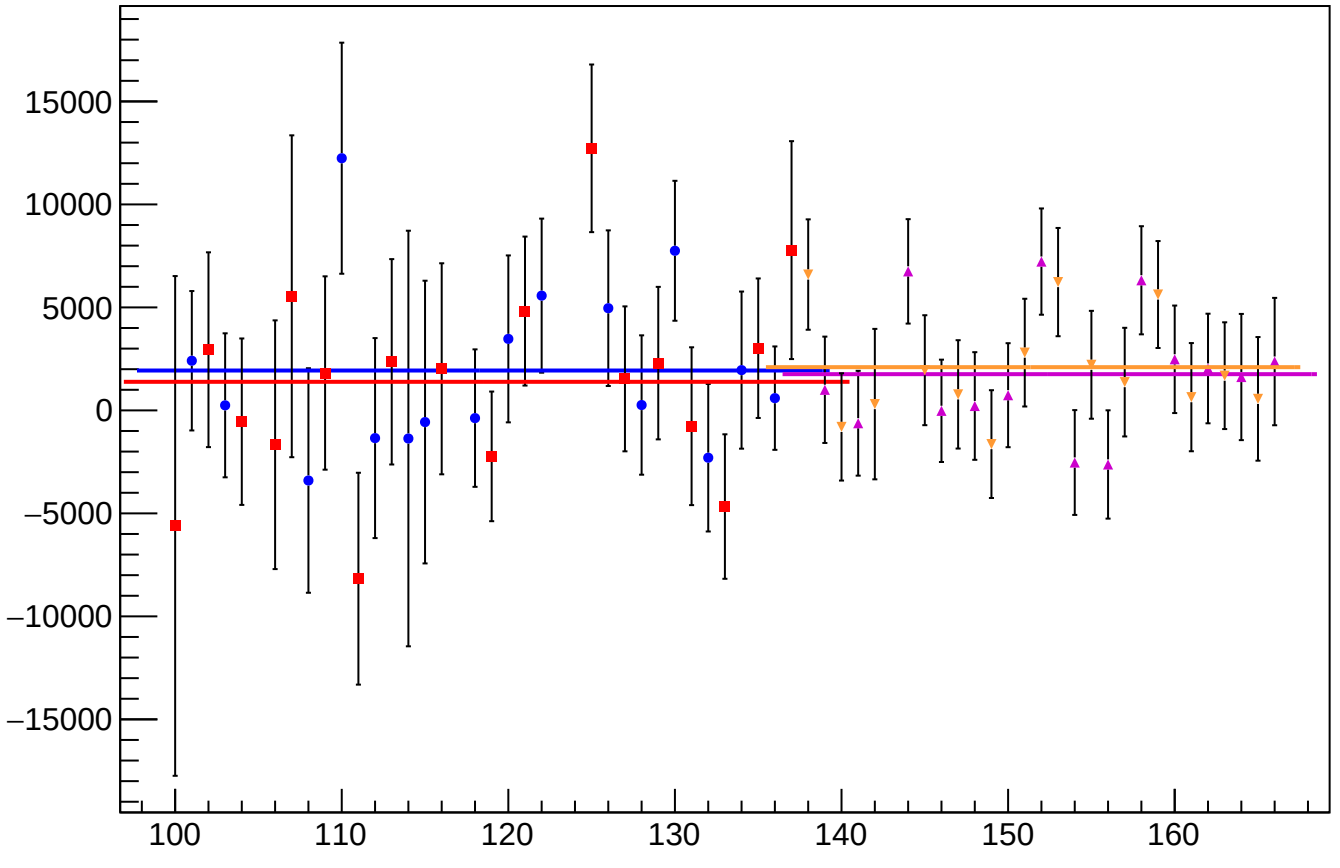
Left: 764.977+/-0.117 χ^2/NDF: 2969065.5/28

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 839.242+/-0.145 χ^2/NDF:3321309.6/29

Out: 804.504+/-0.140 χ^2/NDF:4276961.8/33

All: 821.278+/-0.101 χ^2/NDF: 7627870.4/63



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1758.814+/-703.745 χ^2/NDF:19.1/13

Left: 1924.781+/-503.433 χ^2/NDF: 30.9/27

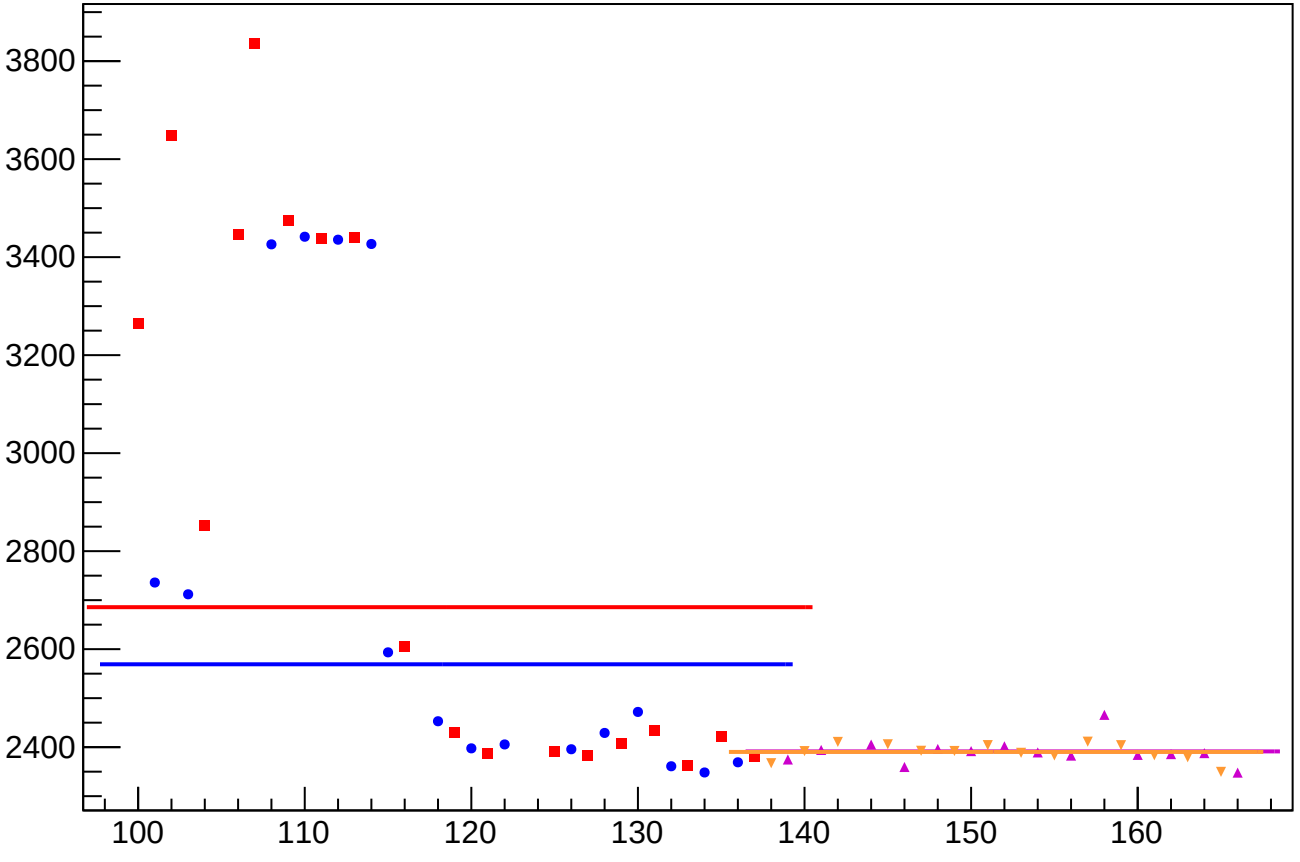
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1820.551+/-568.054 χ^2/NDF:31.5/29

Out: 1858.606+/-586.360 χ^2/NDF:31.7/31

All: 1838.975+/-407.993 χ^2/NDF: 63.2/61

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2391.347+/-0.498 χ^2/NDF:2568.8/13

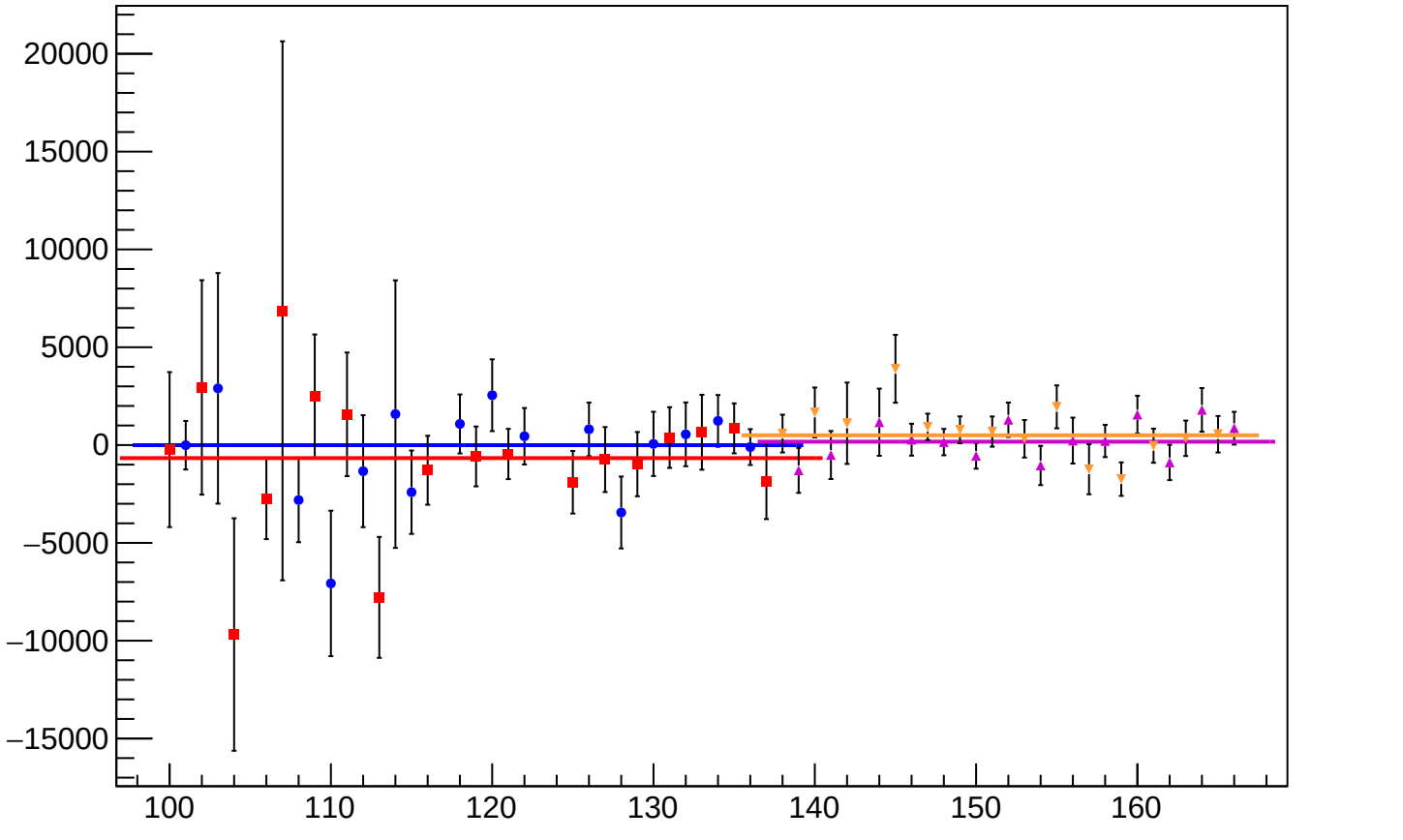
Left: 2390.827+/-0.356 χ^2/NDF: 3524.0/27

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

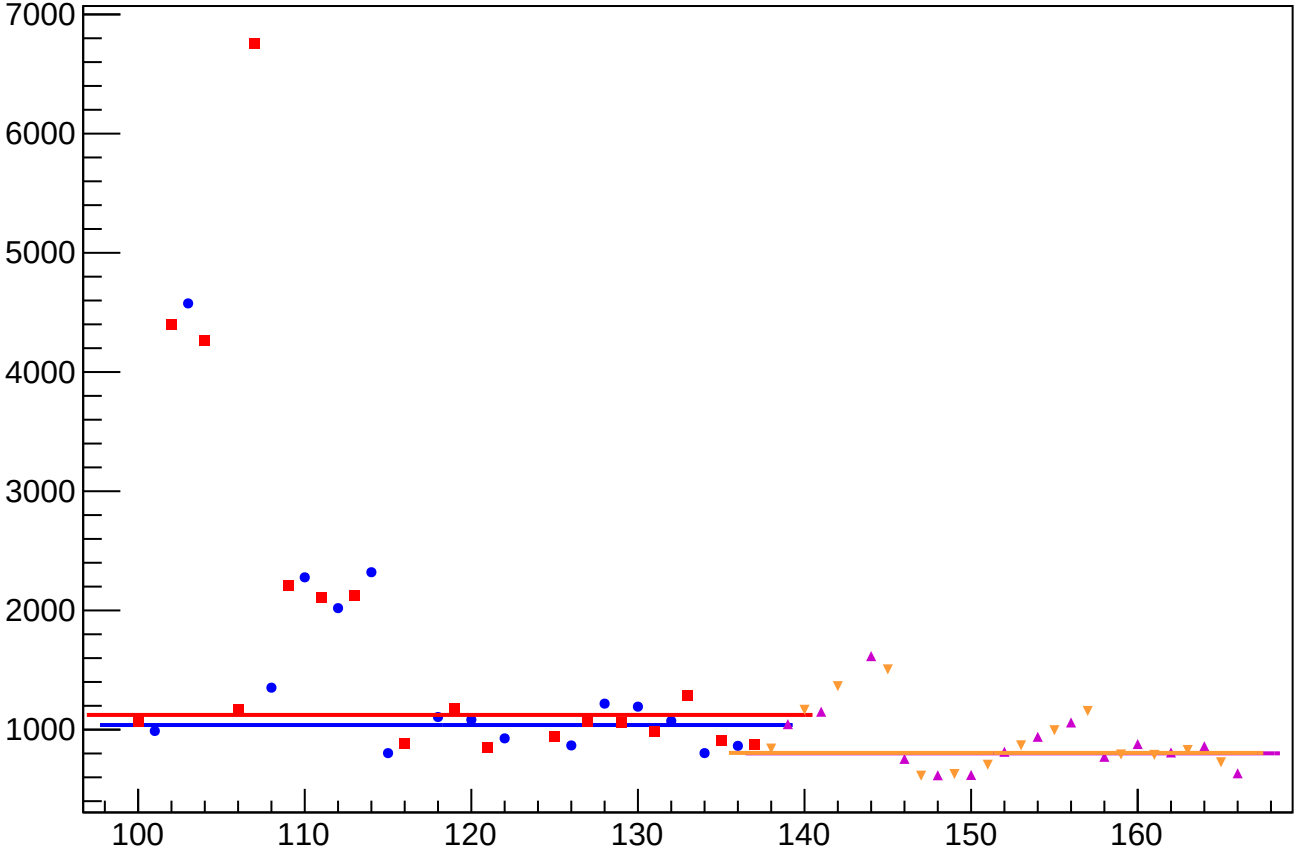
In: 2453.295+/-0.402 χ^2/NDF:276531.7/29

Out: 2490.018+/-0.415 χ^2/NDF:533732.1/31

All: 2471.075+/-0.288 χ^2/NDF: 814310.7/61


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 500.281+/-251.337 χ²/NDF:16.3/13
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 172.533+/-243.954 χ²/NDF:12.8/13
Left: 331.523+/-175.053 χ²/NDF: 30.0/27
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 126.444+/-209.948 χ²/NDF:27.5/29
Out: 232.622+/-220.617 χ²/NDF:35.6/31
All: 176.903+/-152.088 χ²/NDF: 63.2/61

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 804.933+/-0.178 χ^2/NDF:1199222.2/13

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 801.266+/-0.173 χ^2/NDF:1249248.5/13

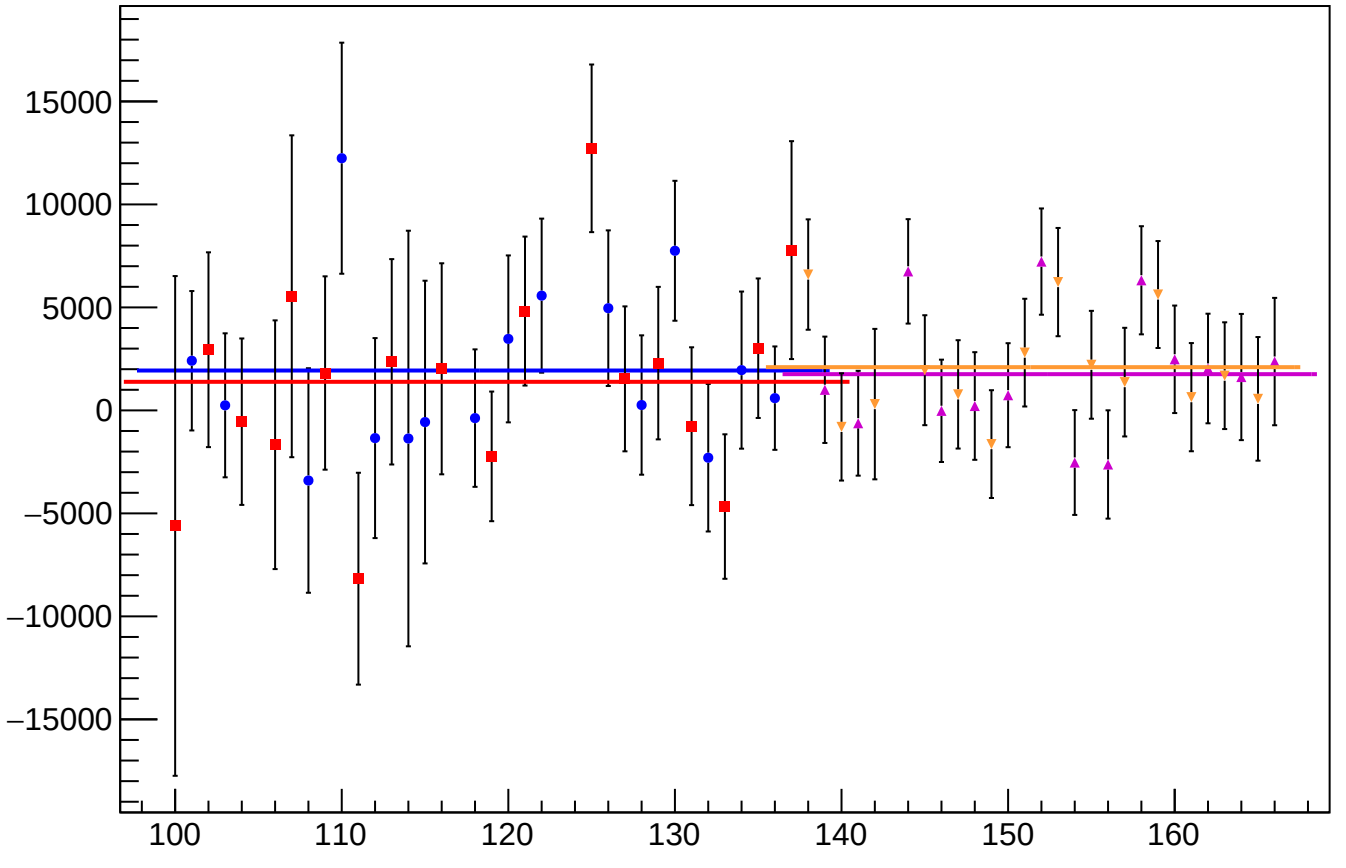
Left: 803.045+/-0.124 χ^2/NDF: 2448689.9/27

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 862.874+/-0.148 χ^2/NDF:3280771.8/29

Out: 878.040+/-0.156 χ^2/NDF:4472039.5/31

All: 870.082+/-0.108 χ^2/NDF: 7757771.2/61



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1758.815+/-703.745 χ^2/NDF:19.1/13

Left: 1924.781+/-503.433 χ^2/NDF: 30.9/27

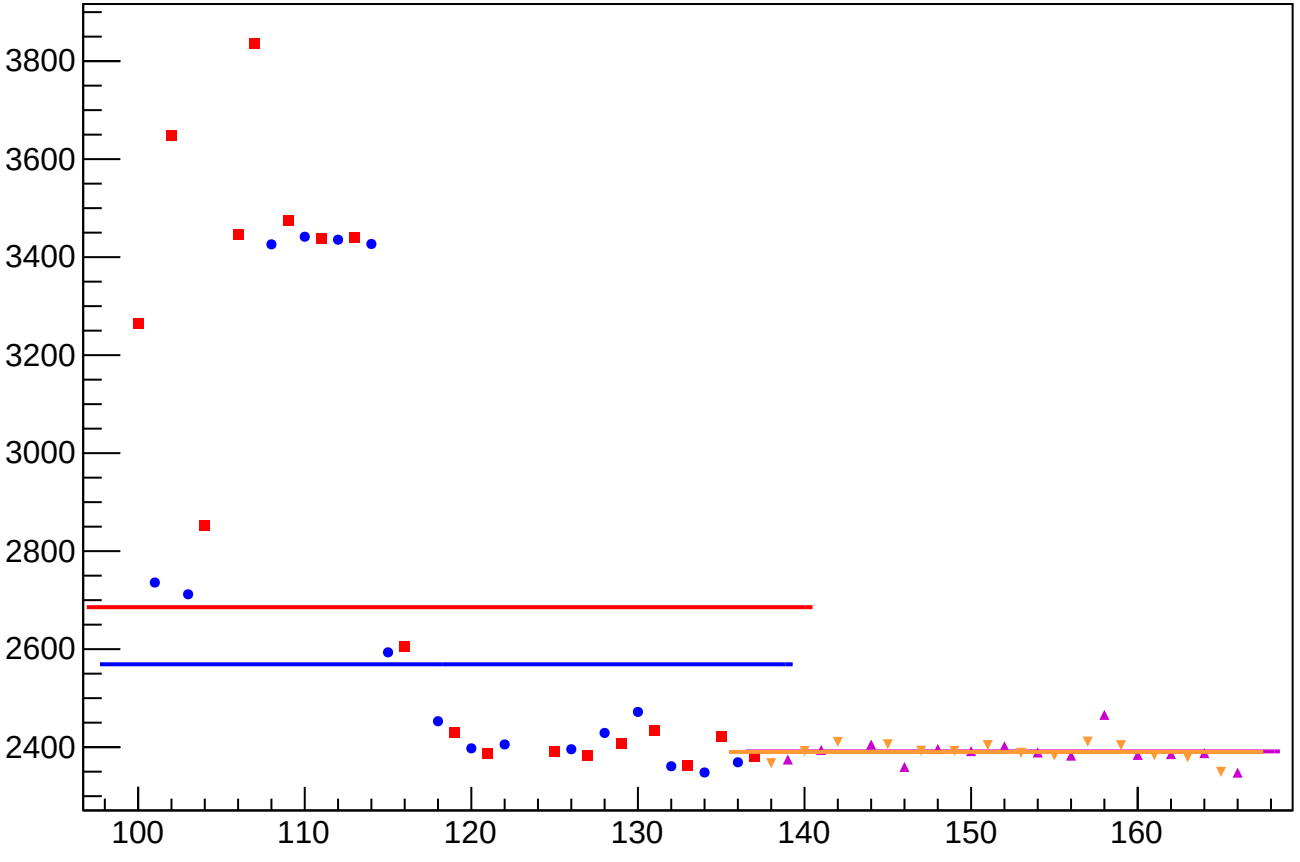
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1820.551+/-568.054 χ^2/NDF:31.5/29

Out: 1858.605+/-586.360 χ^2/NDF:31.7/31

All: 1838.975+/-407.993 χ^2/NDF: 63.2/61

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2391.347+/-0.498 χ^2/NDF:2568.8/13

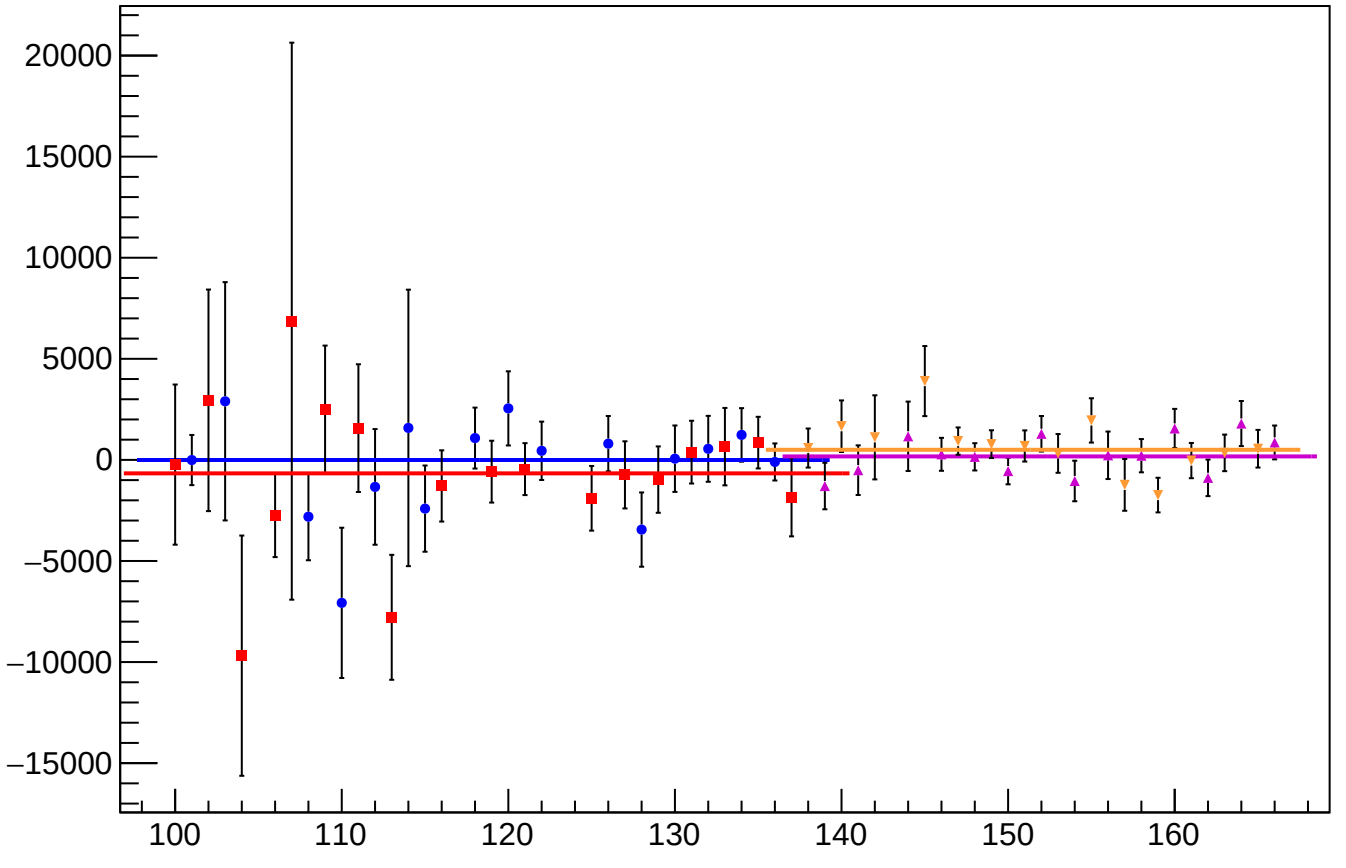
Left: 2390.827+/-0.356 χ^2/NDF: 3524.0/27

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2453.295+/-0.402 χ^2/NDF:276531.3/29

Out: 2490.018+/-0.415 χ^2/NDF:533731.2/31

All: 2471.074+/-0.288 χ^2/NDF: 814309.4/61



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 500.280+/-251.337 χ^2/NDF:16.3/13

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 172.533+/-243.955 χ^2/NDF:12.8/13

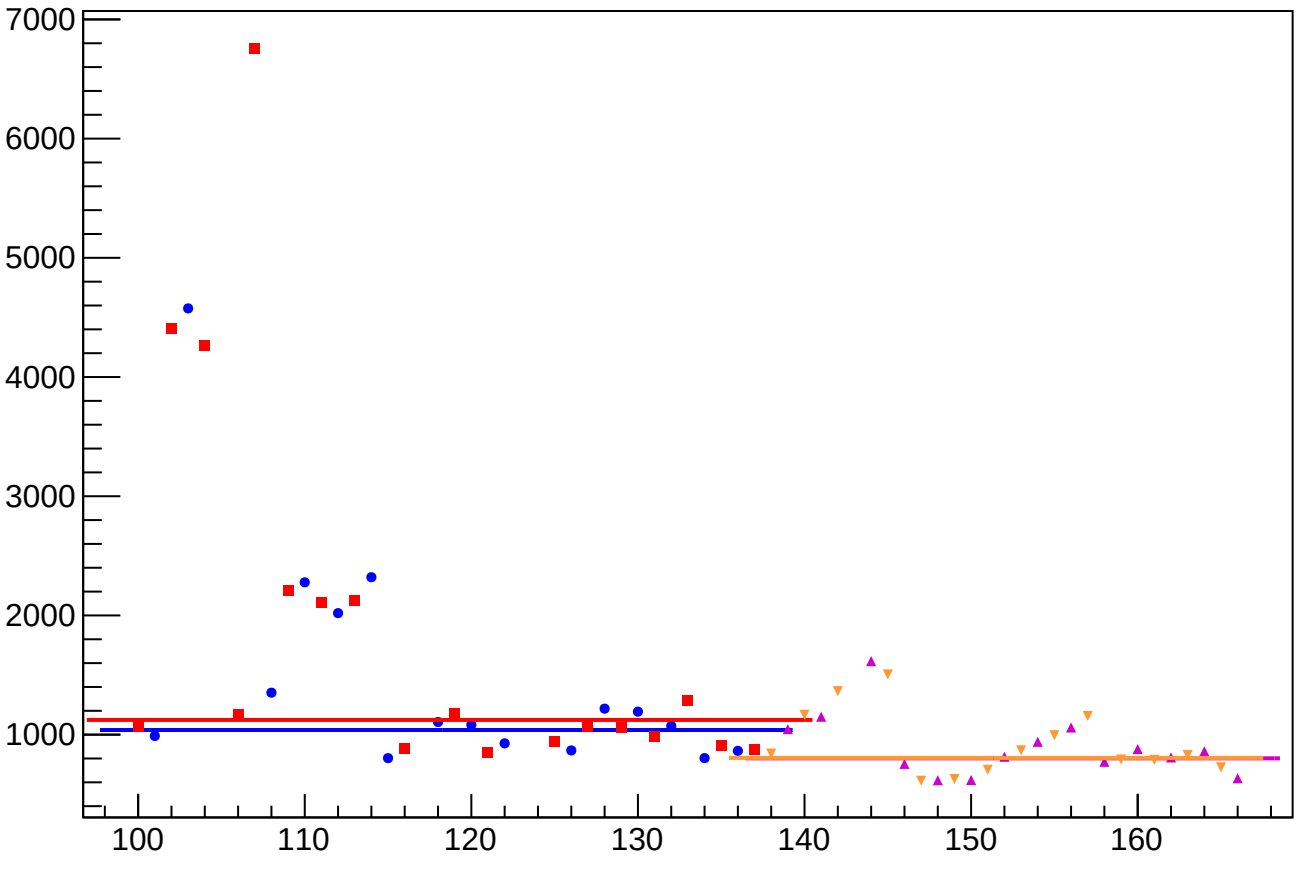
Left: 331.523+/-175.054 χ^2/NDF: 30.0/27

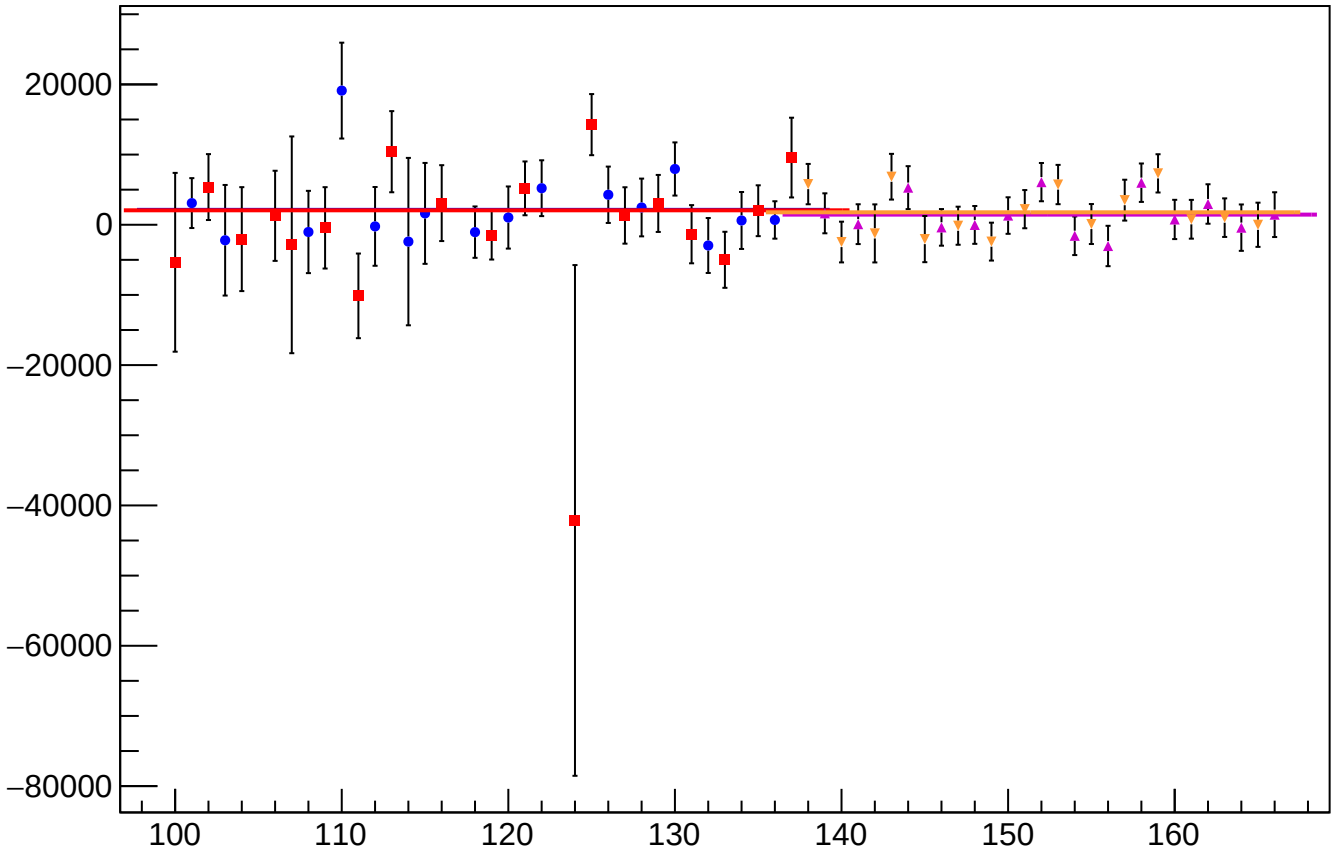
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 126.443+/-209.948 χ^2/NDF:27.5/29

Out: 232.620+/-220.618 χ^2/NDF:35.6/31

All: 176.902+/-152.088 χ^2/NDF: 63.2/61


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 804.934+/-0.178 χ²/NDF:1199218.6/13
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 801.267+/-0.173 χ²/NDF:1249247.3/13
Left: 803.046+/-0.124 χ²/NDF: 2448685.2/27
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 862.875+/-0.148 χ²/NDF:3280760.2/29
Out: 878.042+/-0.156 χ²/NDF:4472025.5/31
All: 870.083+/-0.108 χ²/NDF: 7757745.8/61



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1774.407+/-753.848 χ^2/NDF:18.7/14

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1444.968+/-755.745 χ^2/NDF:12.5/13

Left: 1610.102+/-533.720 χ^2/NDF: 31.3/28

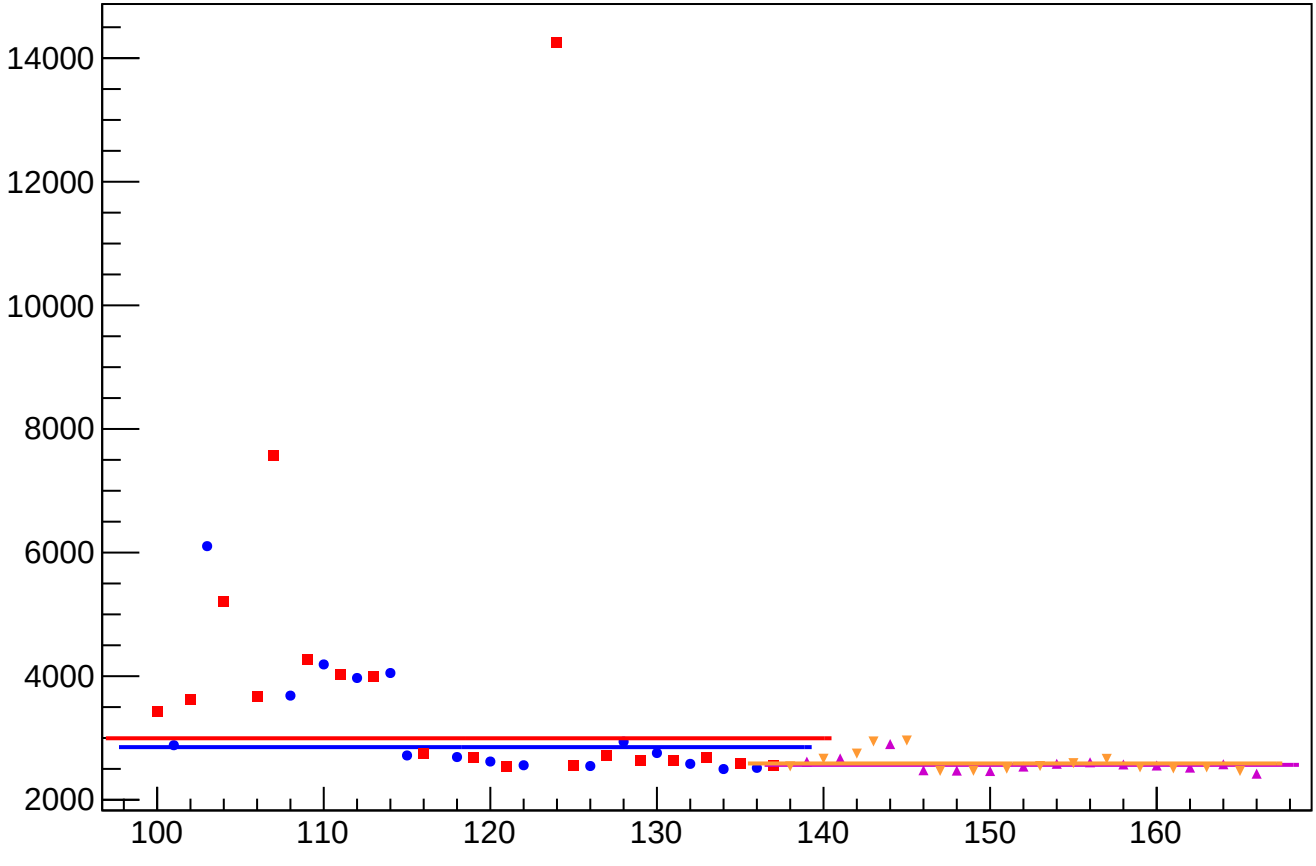
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1666.217+/-620.081 χ^2/NDF:26.1/29

Out: 1861.557+/-628.264 χ^2/NDF:43.0/33

All: 1762.606+/-441.328 χ^2/NDF: 69.2/63

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2588.049+/-0.533 χ^2/NDF:72522.0/14

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2565.312+/-0.534 χ^2/NDF:40275.7/13

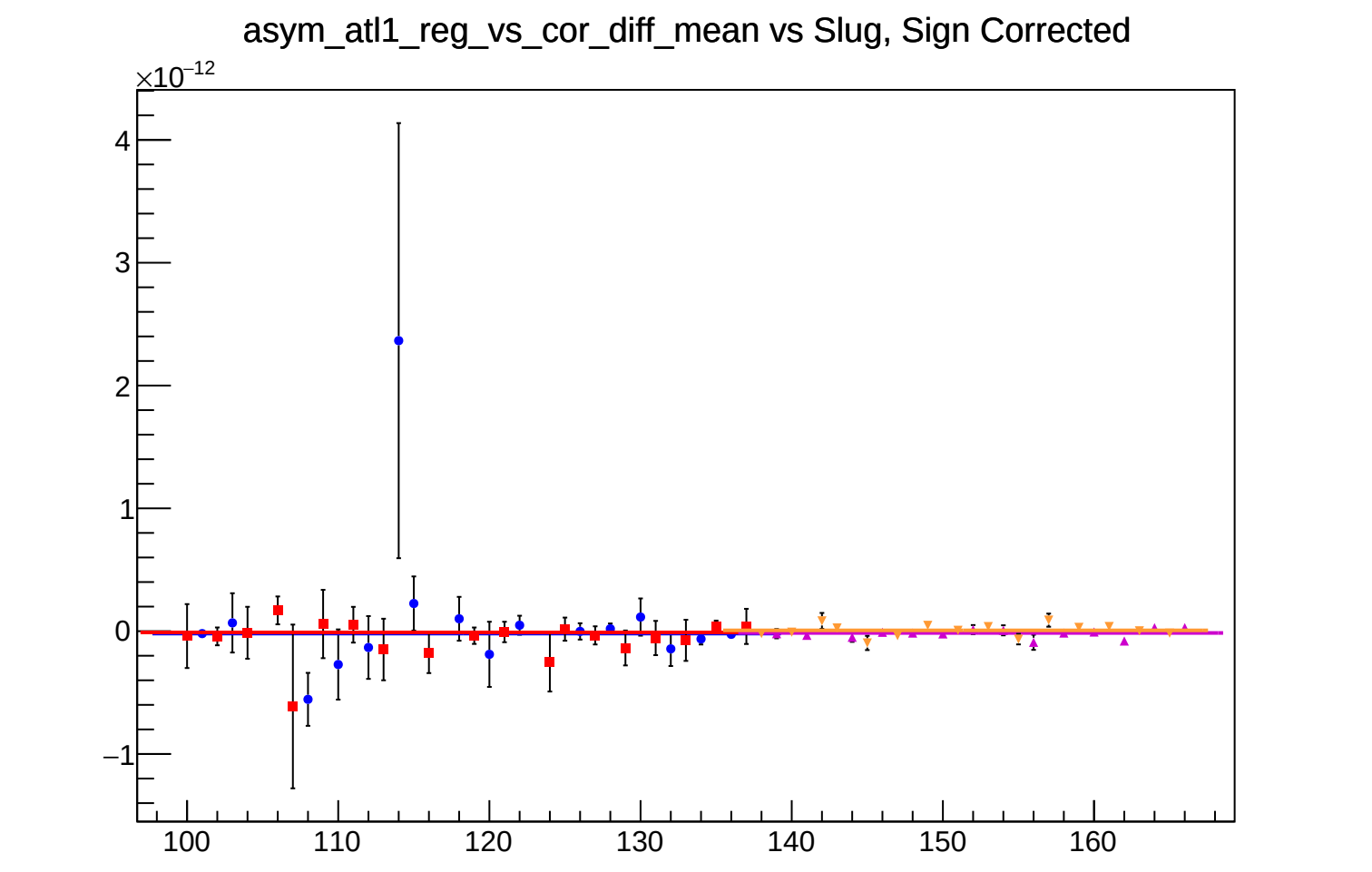
Left: 2576.709+/-0.377 χ^2/NDF: 113705.1/28

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2659.068+/-0.438 χ^2/NDF:783179.7/29

Out: 2712.504+/-0.444 χ^2/NDF:1230166.2/33

All: 2685.436+/-0.312 χ^2/NDF: 2020674.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/13

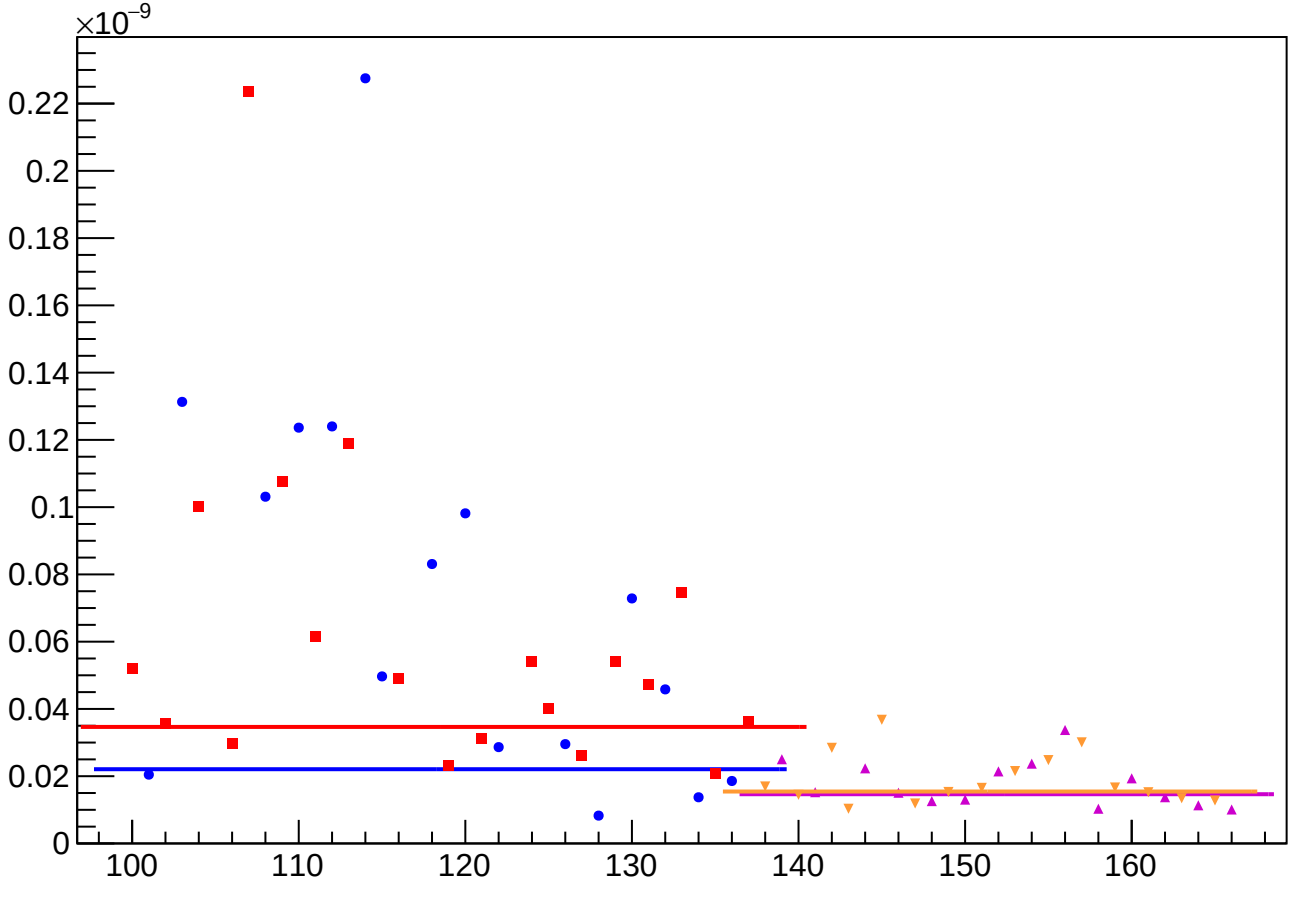
Left: -0.000+/-0.000 χ^2/NDF: 43.0/28

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:32.8/29

Out: 0.000+/-0.000 χ^2/NDF:30.4/33

All: -0.000+/-0.000 χ^2/NDF: 67.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:890567.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:881780.9/13

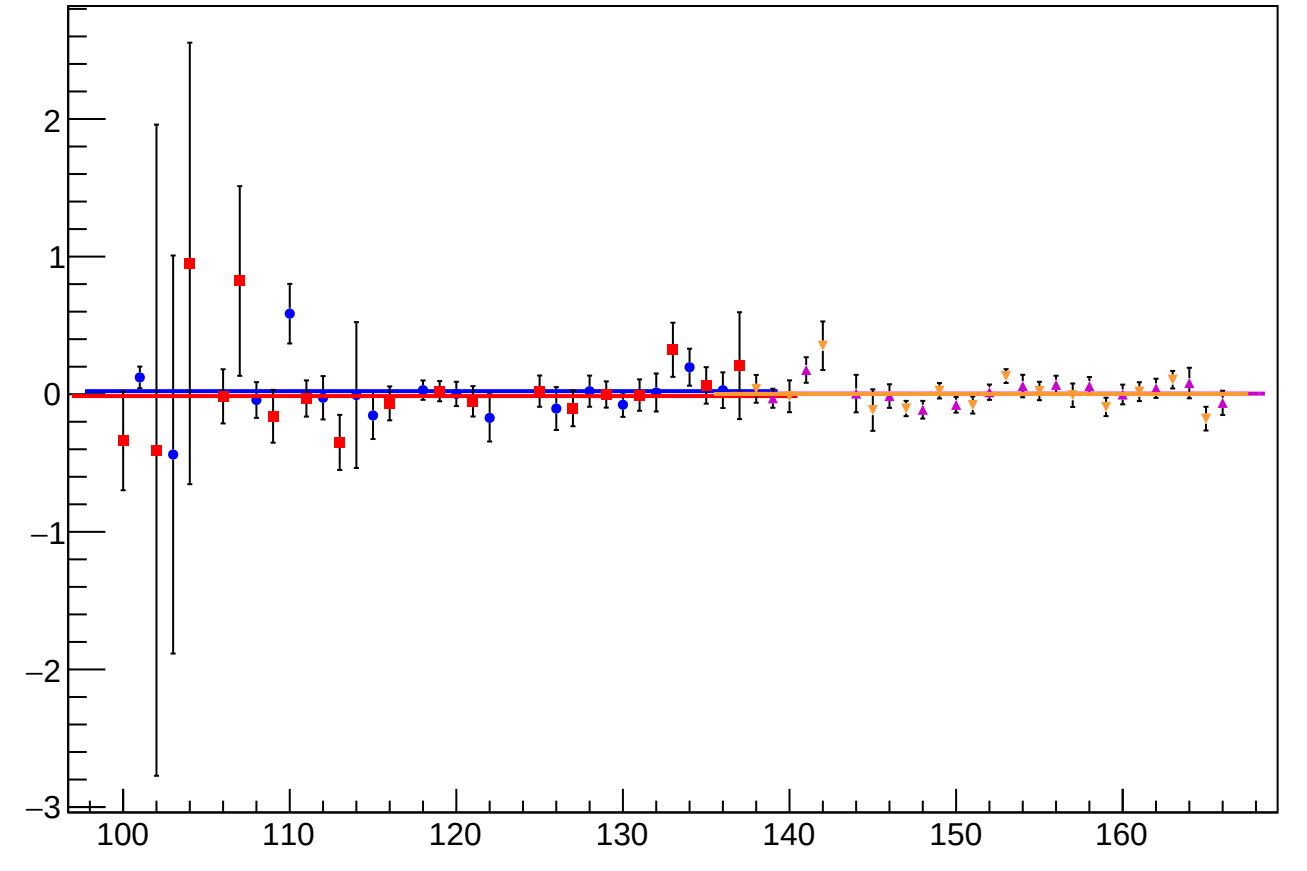
Left: 0.000+/-0.000 χ^2/NDF: 1783861.7/28

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3541797.8/29

Out: 0.000+/-0.000 χ^2/NDF:3265568.9/33

All: 0.000+/-0.000 χ^2/NDF: 6838099.7/63



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.003+/-0.014 χ^2/NDF: 38.6/27

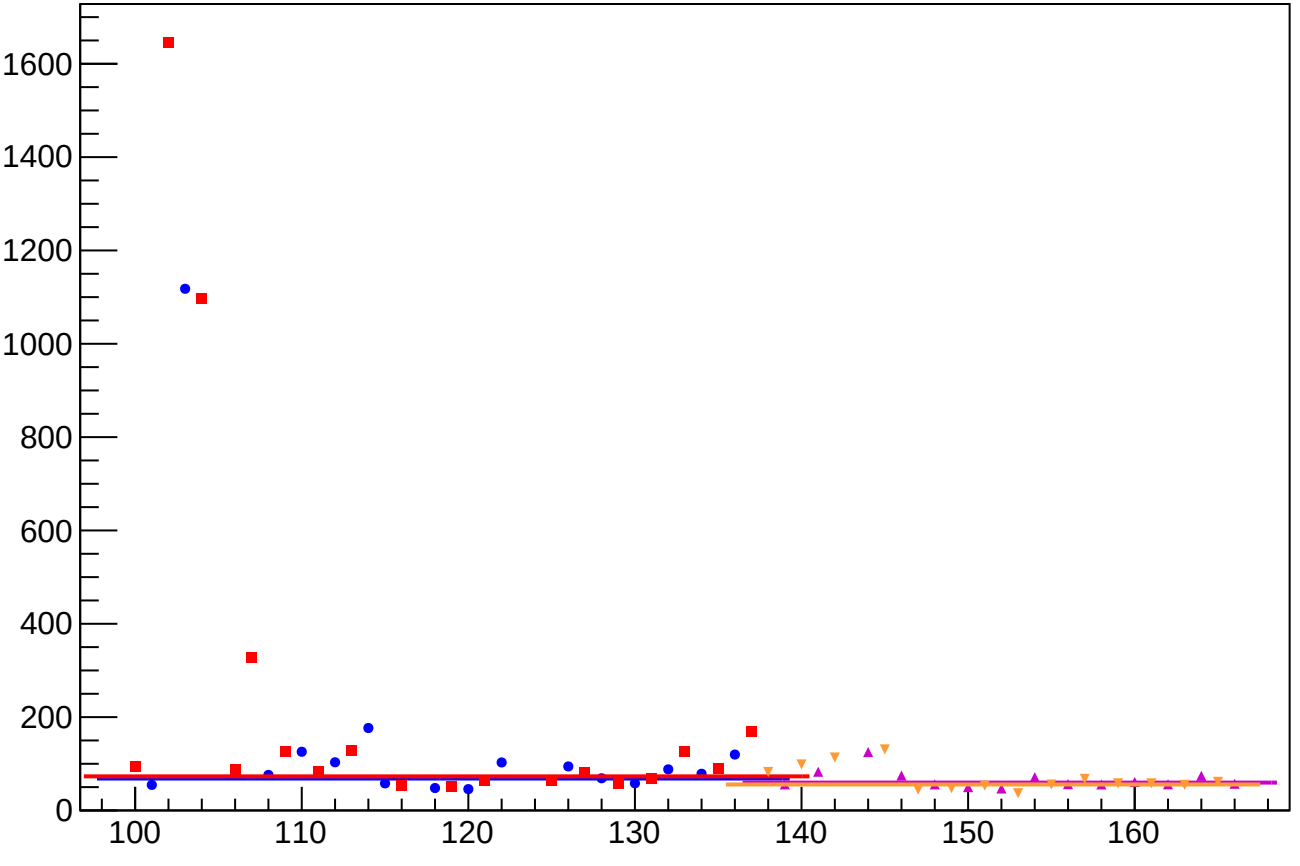
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.7/29

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.004+/-0.012 χ^2/NDF: 64.9/61

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.680+/-0.014 χ^2/NDF:921409.7/13

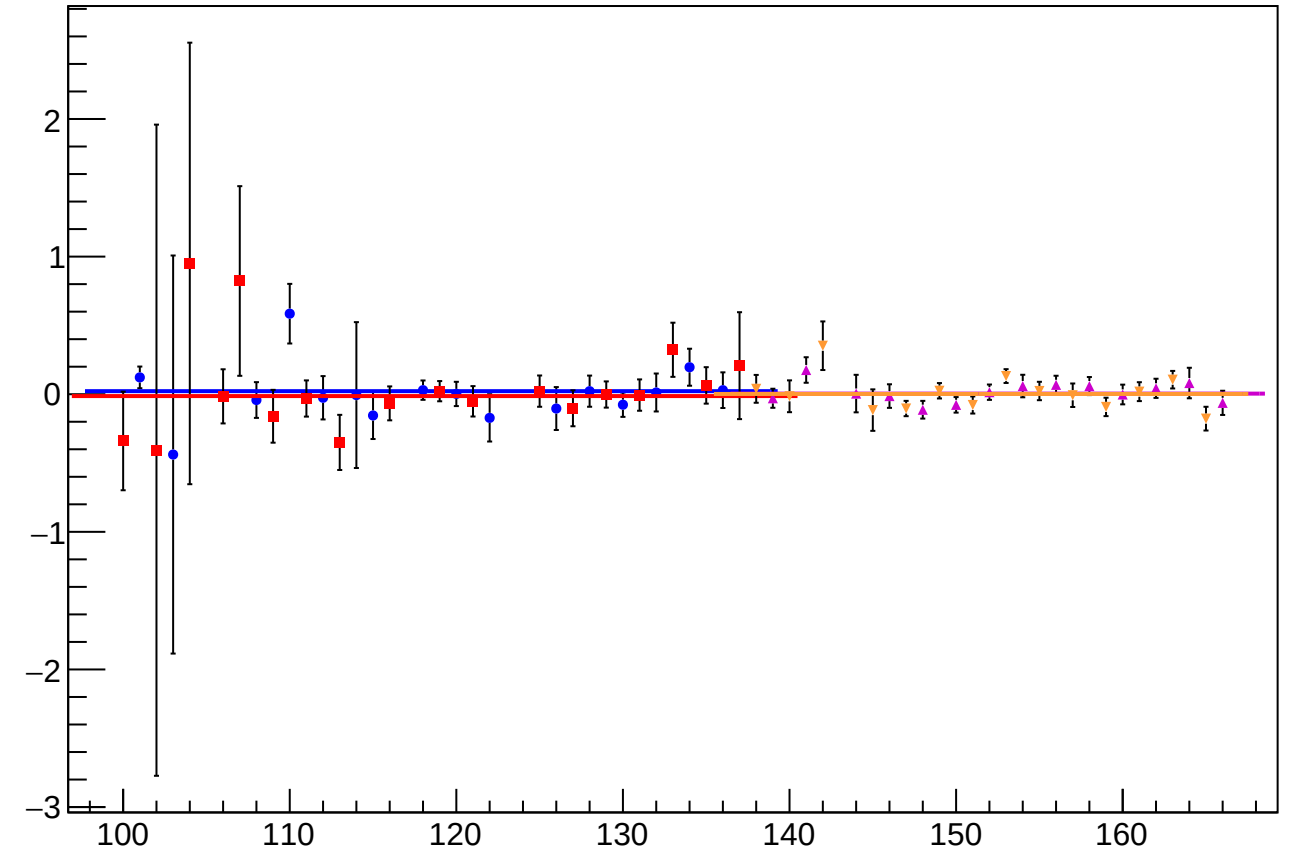
Left: 57.641+/-0.010 χ^2/NDF: 2546533.3/27

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.272+/-0.012 χ^2/NDF:3318012.0/29

Out: 59.975+/-0.012 χ^2/NDF:4902052.4/31

All: 61.139+/-0.008 χ^2/NDF: 8239406.6/61



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.003+/-0.014 χ^2/NDF: 38.6/27

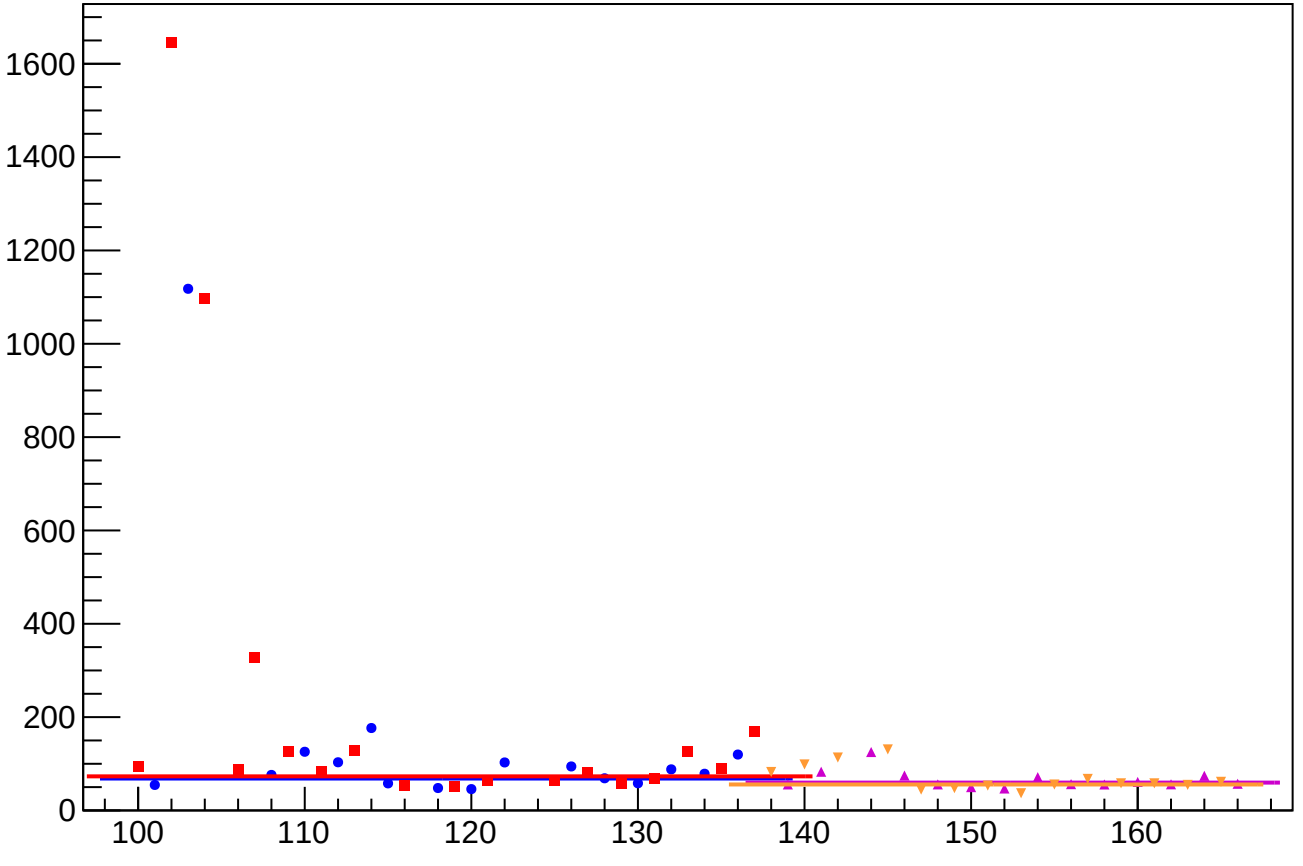
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.7/29

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.004+/-0.012 χ^2/NDF: 64.9/61

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.680+/-0.014 χ^2/NDF:921409.7/13

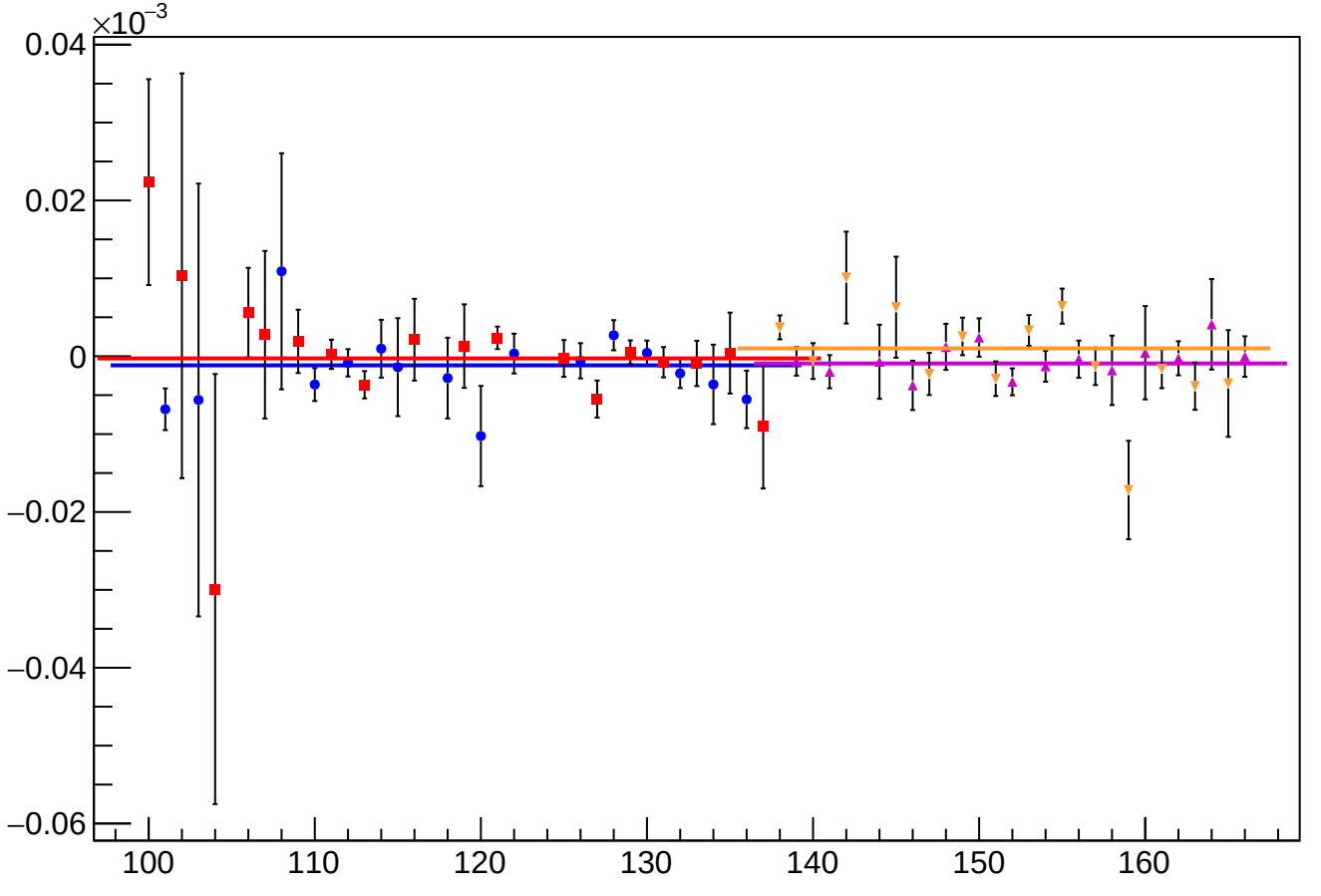
Left: 57.641+/-0.010 χ^2/NDF: 2546533.3/27

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.272+/-0.012 χ^2/NDF:3318012.0/29

Out: 59.975+/-0.012 χ^2/NDF:4902052.4/31

All: 61.139+/-0.008 χ^2/NDF: 8239406.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.4/13

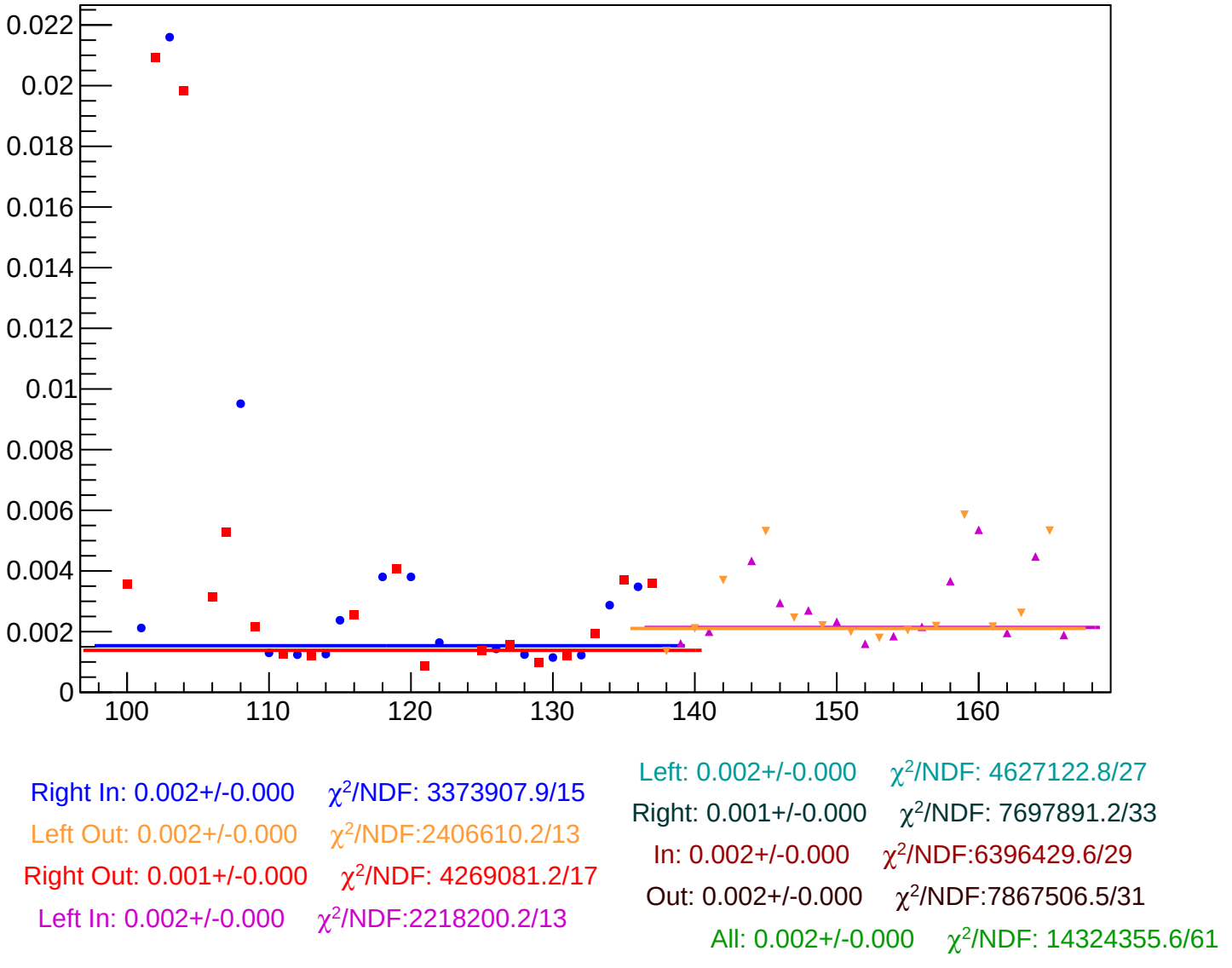
Left: 0.000+/-0.000 χ^2/NDF: 42.5/27

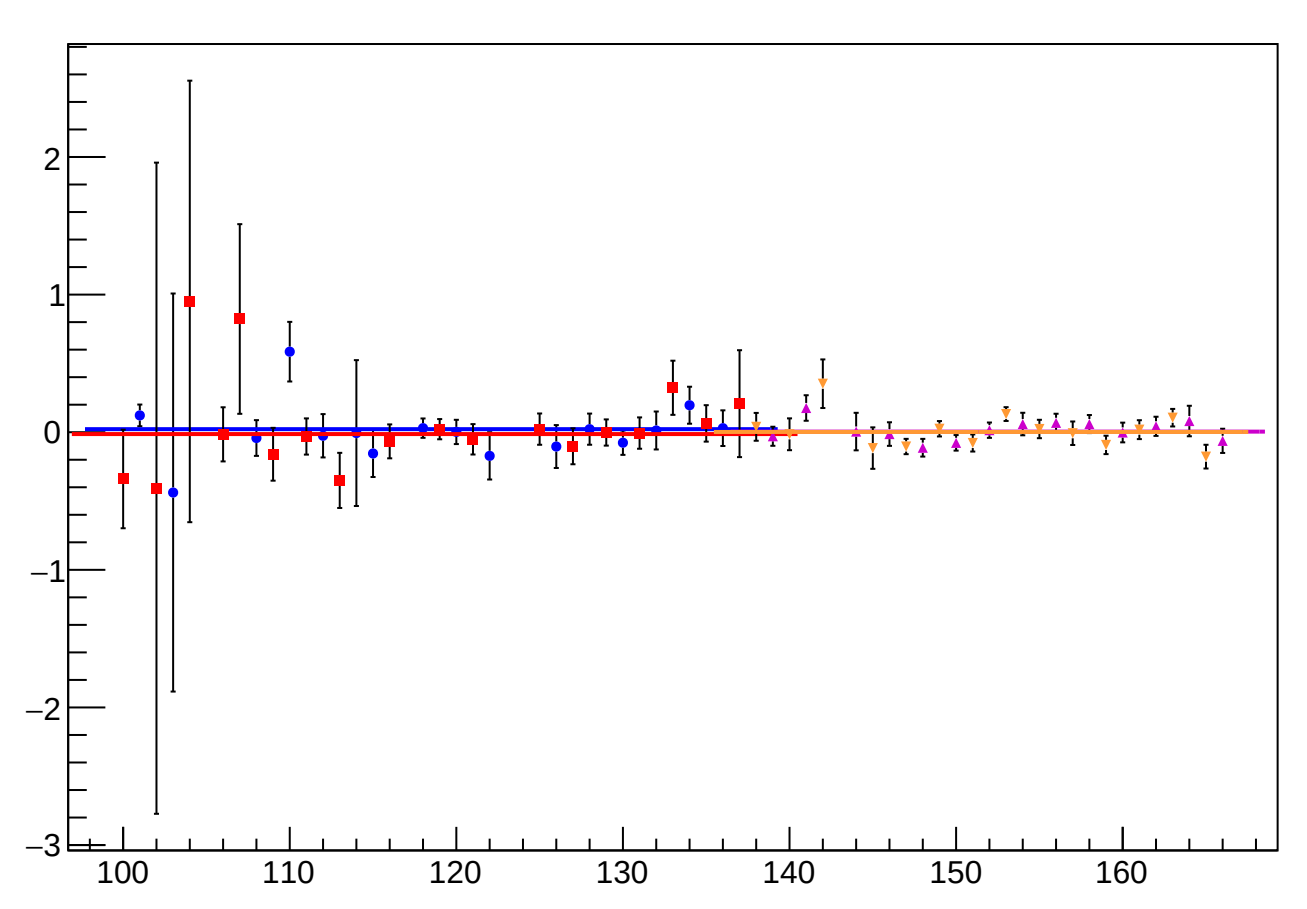
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:22.8/29

Out: 0.000+/-0.000 χ^2/NDF:53.4/31

All: -0.000+/-0.000 χ^2/NDF: 80.4/61


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2406610.2/13
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:2218200.2/13
Left: 0.002+/-0.000 χ²/NDF: 4627122.8/27
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:6396429.6/29
Out: 0.002+/-0.000 χ²/NDF:7867506.5/31
All: 0.002+/-0.000 χ²/NDF: 14324355.6/61



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.003+/-0.014 χ^2/NDF: 38.6/27

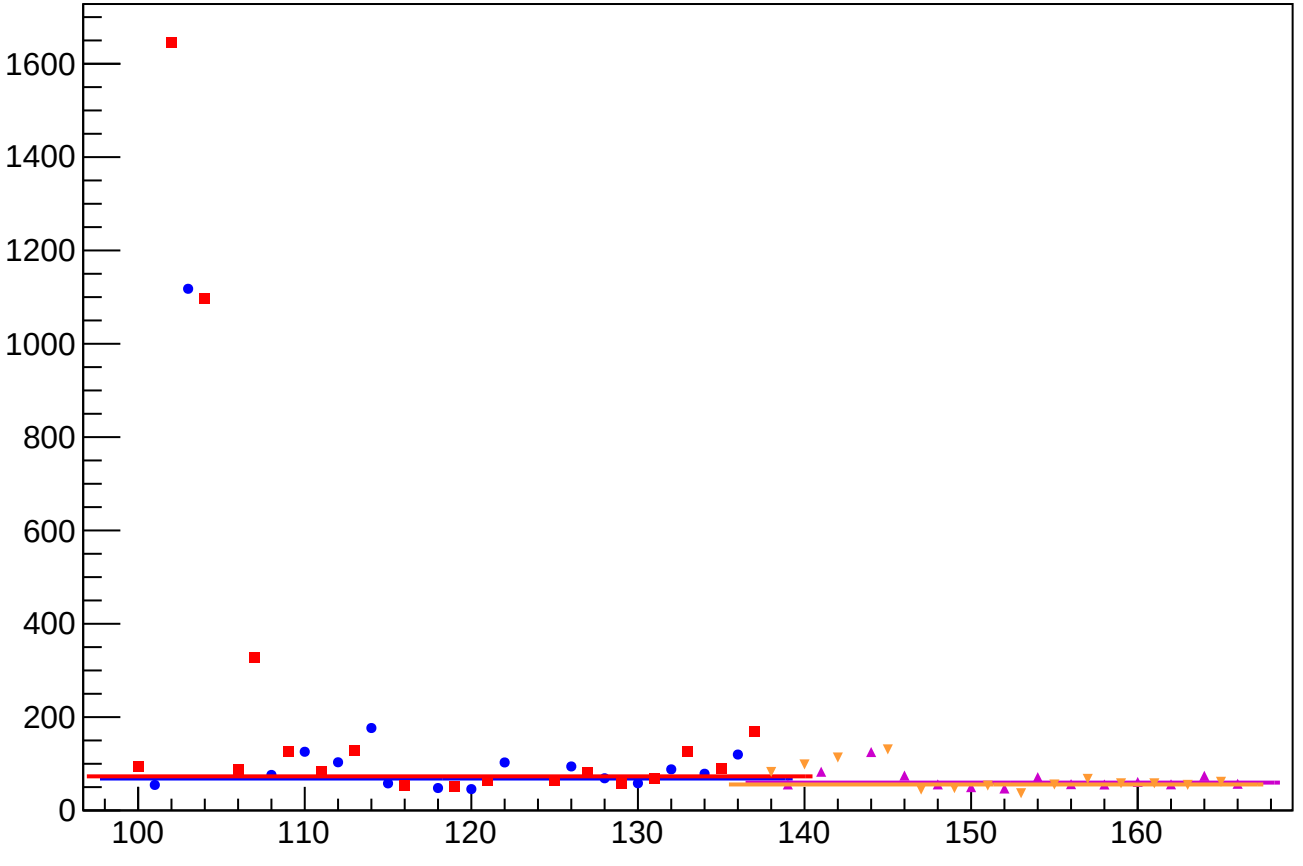
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.6/29

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.004+/-0.012 χ^2/NDF: 64.9/61

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.681+/-0.014 χ^2/NDF:921385.5/13

Left: 57.642+/-0.010 χ^2/NDF: 2546590.9/27

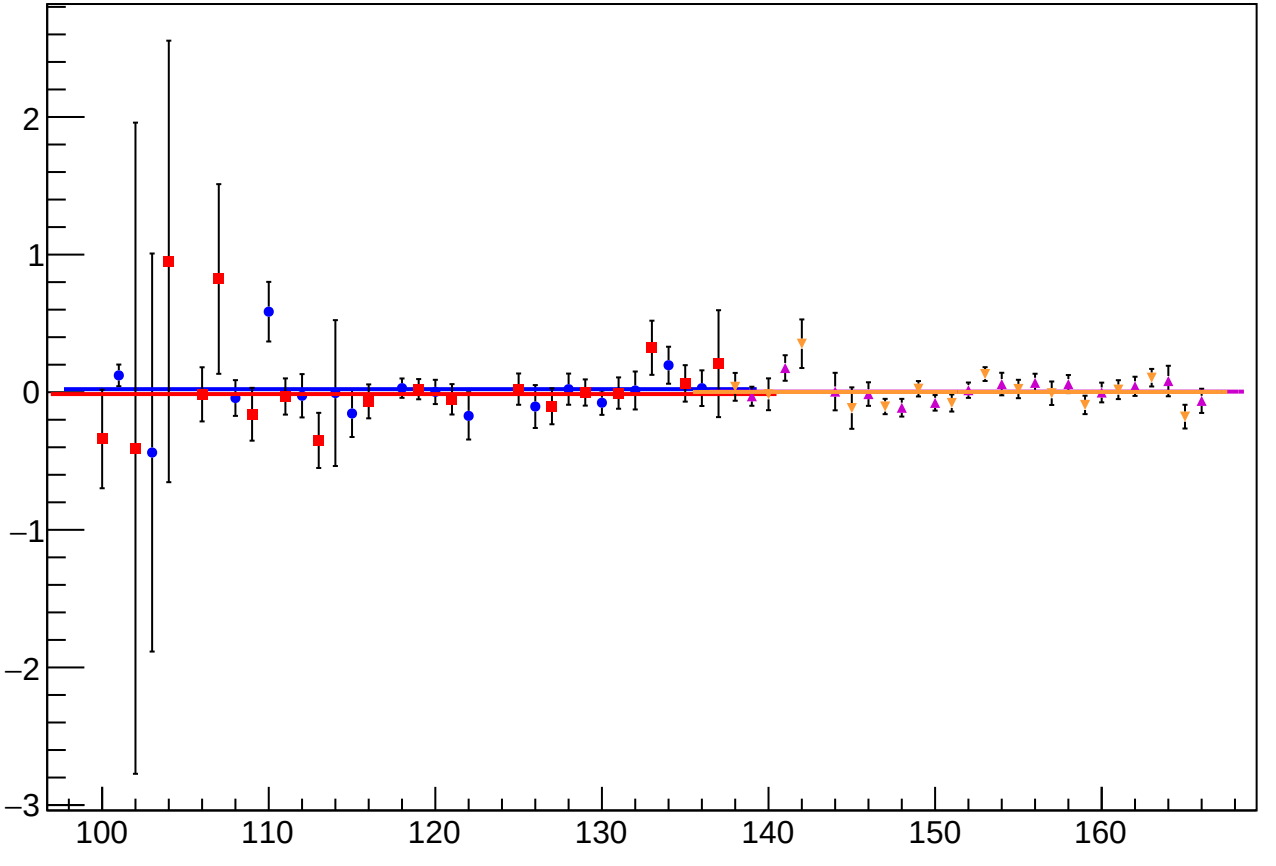
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.272+/-0.012 χ^2/NDF:3318041.1/29

Out: 59.975+/-0.012 χ^2/NDF:4902124.7/31

All: 61.138+/-0.008 χ^2/NDF: 8239510.3/61

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.004+/-0.020 χ^2/NDF:12.6/13

Left: 0.003+/-0.014 χ^2/NDF: 38.6/27

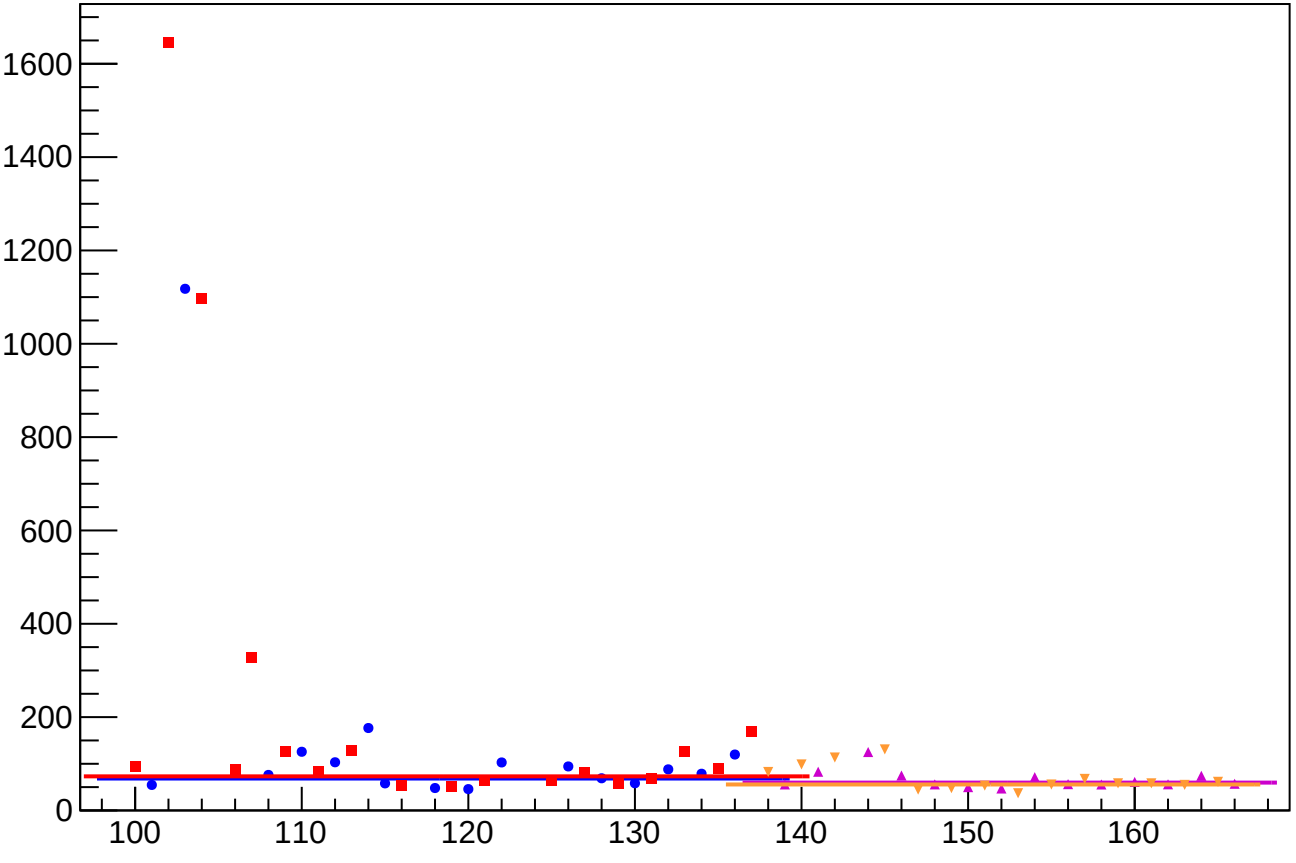
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.010+/-0.016 χ^2/NDF:27.6/29

Out: -0.002+/-0.017 χ^2/NDF:37.0/31

All: 0.004+/-0.012 χ^2/NDF: 64.9/61

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.681+/-0.014 χ^2/NDF:921385.5/13

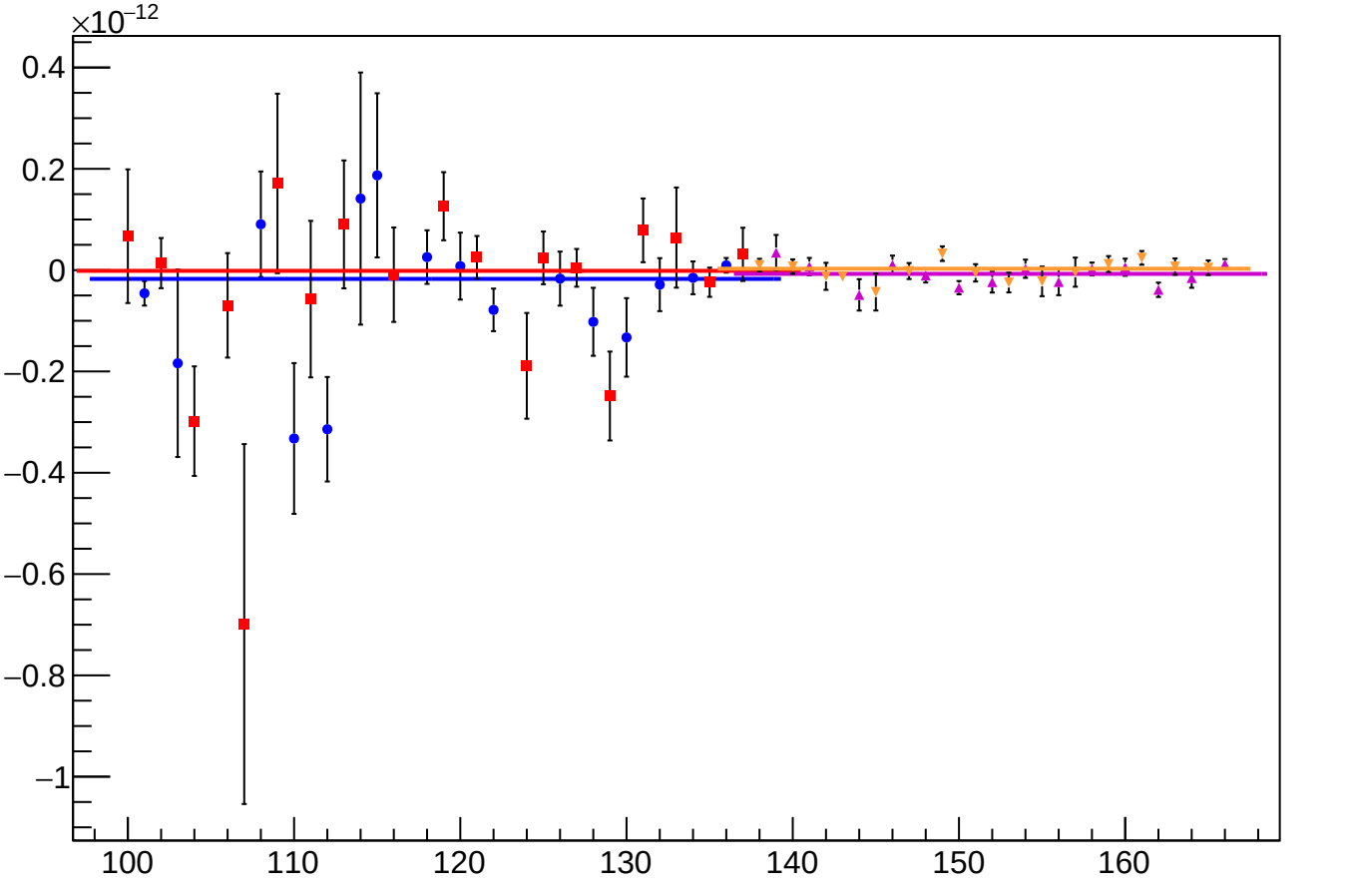
Left: 57.642+/-0.010 χ^2/NDF: 2546590.9/27

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.272+/-0.012 χ^2/NDF:3318041.1/29

Out: 59.975+/-0.012 χ^2/NDF:4902124.7/31

All: 61.138+/-0.008 χ^2/NDF: 8239510.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/13

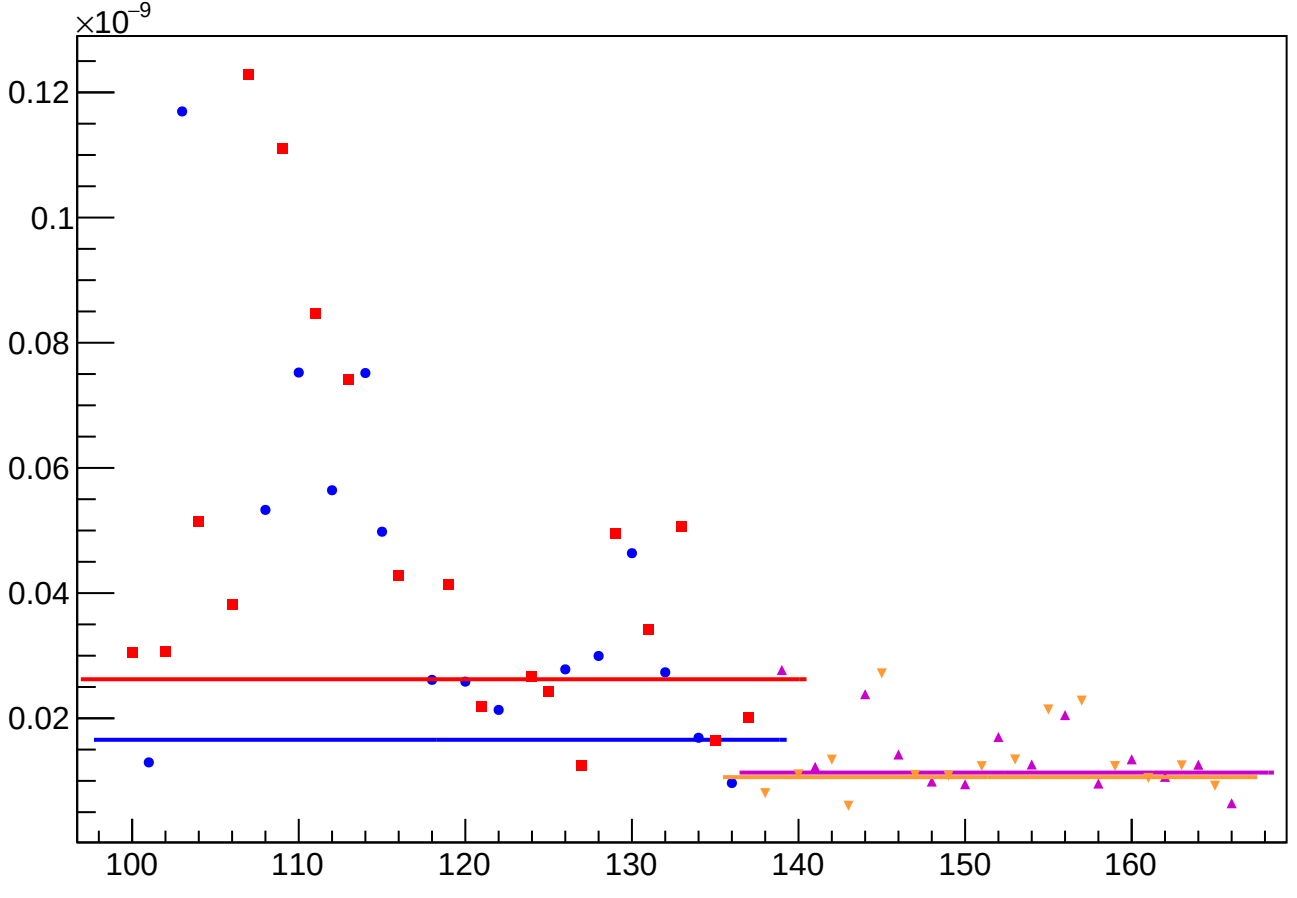
Left: -0.000+/-0.000 χ^2/NDF: 38.5/28

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:49.4/29

Out: 0.000+/-0.000 χ^2/NDF:47.6/33

All: -0.000+/-0.000 χ^2/NDF: 101.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1767401.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1840732.0/13

Left: 0.000+/-0.000 χ^2/NDF: 3638339.5/28

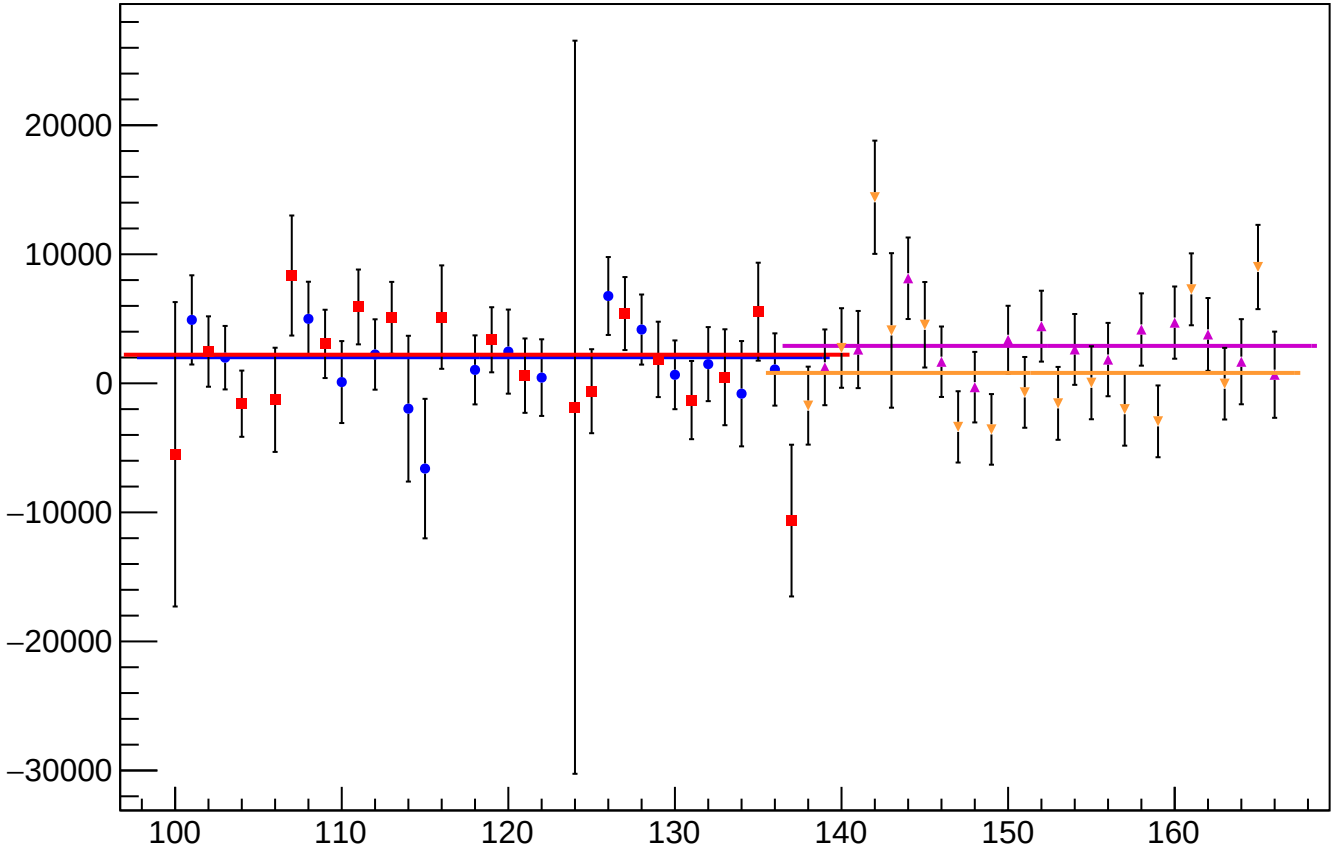
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5126905.5/29

Out: 0.000+/-0.000 χ^2/NDF:6338930.8/33

All: 0.000+/-0.000 χ^2/NDF: 11475272.8/63

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.705+/-780.805 χ^2/NDF:32.8/14

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2901.428+/-768.913 χ^2/NDF:6.4/13

Left: 1870.139+/-547.860 χ^2/NDF: 42.9/28

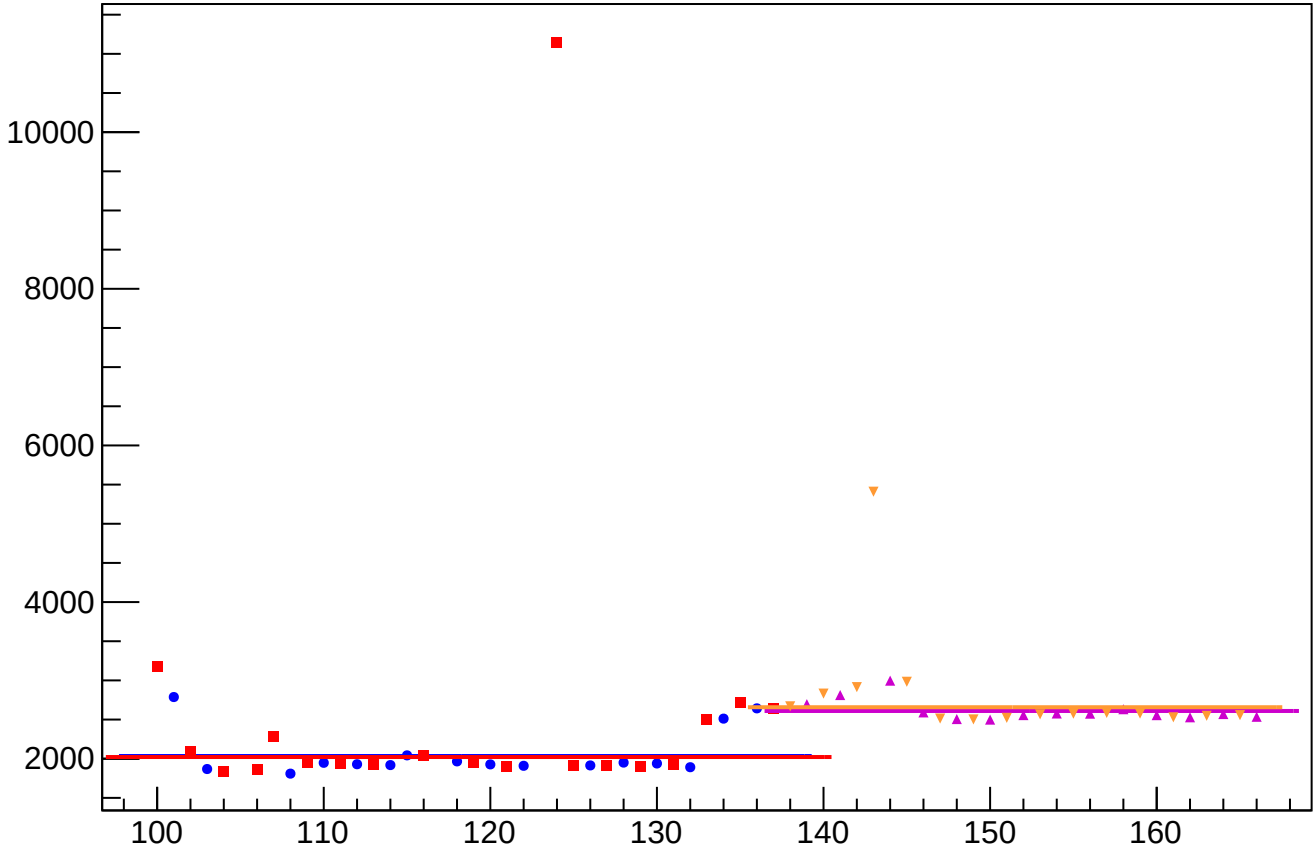
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2459.447+/-542.086 χ^2/NDF:16.7/29

Out: 1534.615+/-543.182 χ^2/NDF:52.6/33

All: 1997.965+/-383.699 χ^2/NDF: 70.8/63

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

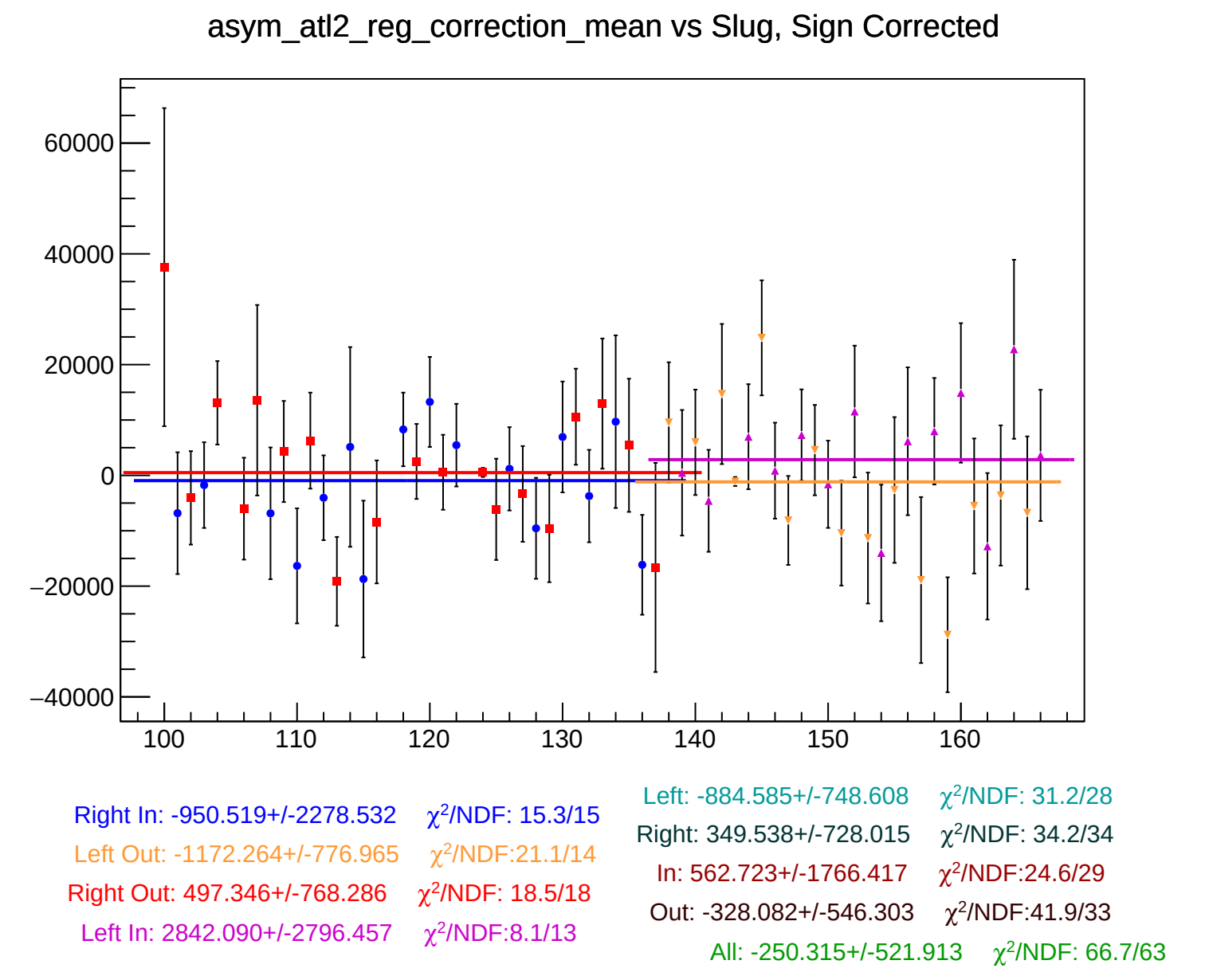
Left: 2633.076+/-0.387 χ^2/NDF: 544234.4/28

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

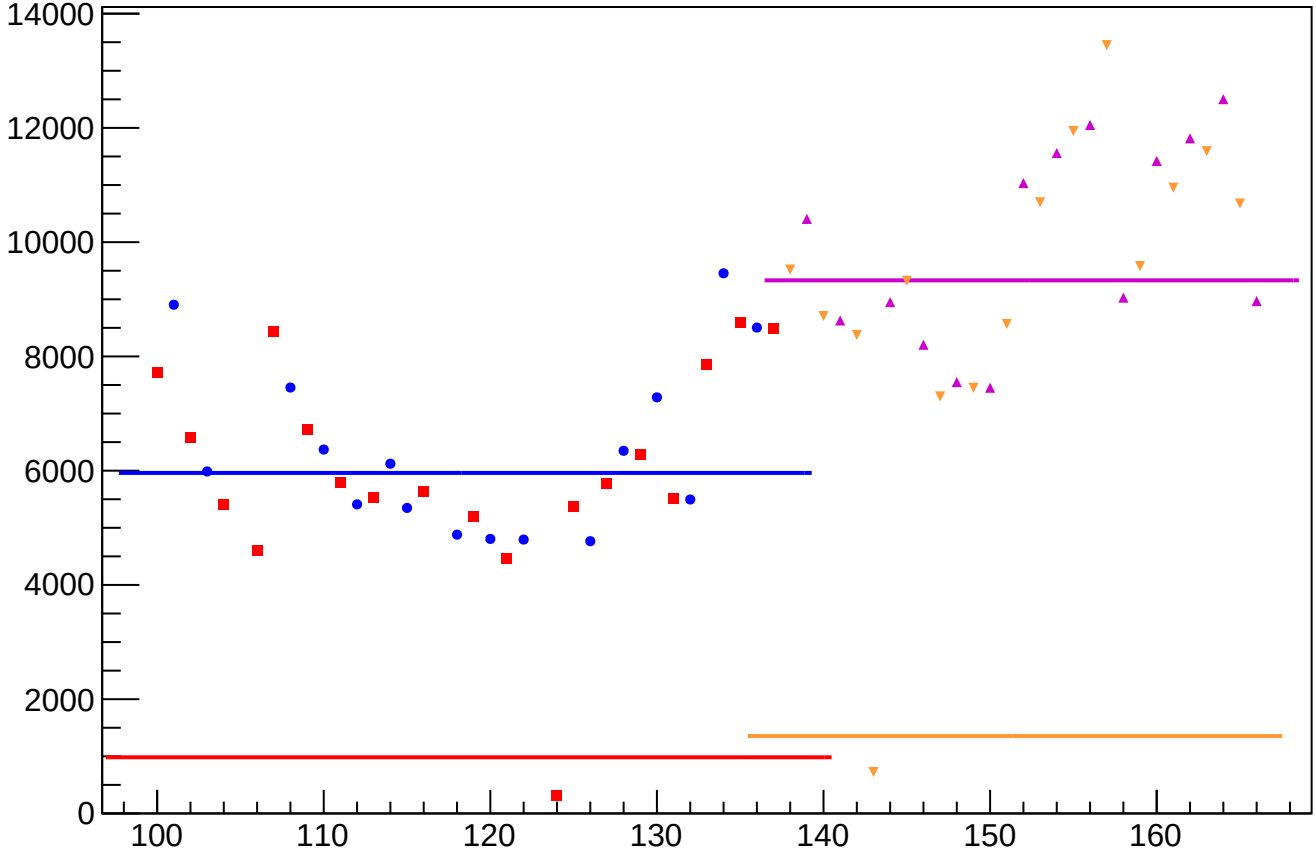
In: 2320.152+/-0.383 χ^2/NDF:878827.4/29

Out: 2329.232+/-0.384 χ^2/NDF:1562514.7/33

All: 2324.683+/-0.271 χ^2/NDF: 2441622.1/63


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1172.264+/-776.965 χ²/NDF:21.1/14
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2842.090+/-2796.457 χ²/NDF:8.1/13
Left: -884.585+/-748.608 χ²/NDF: 31.2/28
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 562.723+/-1766.417 χ²/NDF:24.6/29
Out: -328.082+/-546.303 χ²/NDF:41.9/33
All: -250.315+/-521.913 χ²/NDF: 66.7/63

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1355.454+/-0.549 χ^2/NDF:17270105.7/14

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9331.620+/-1.977 χ^2/NDF:669860.8/13

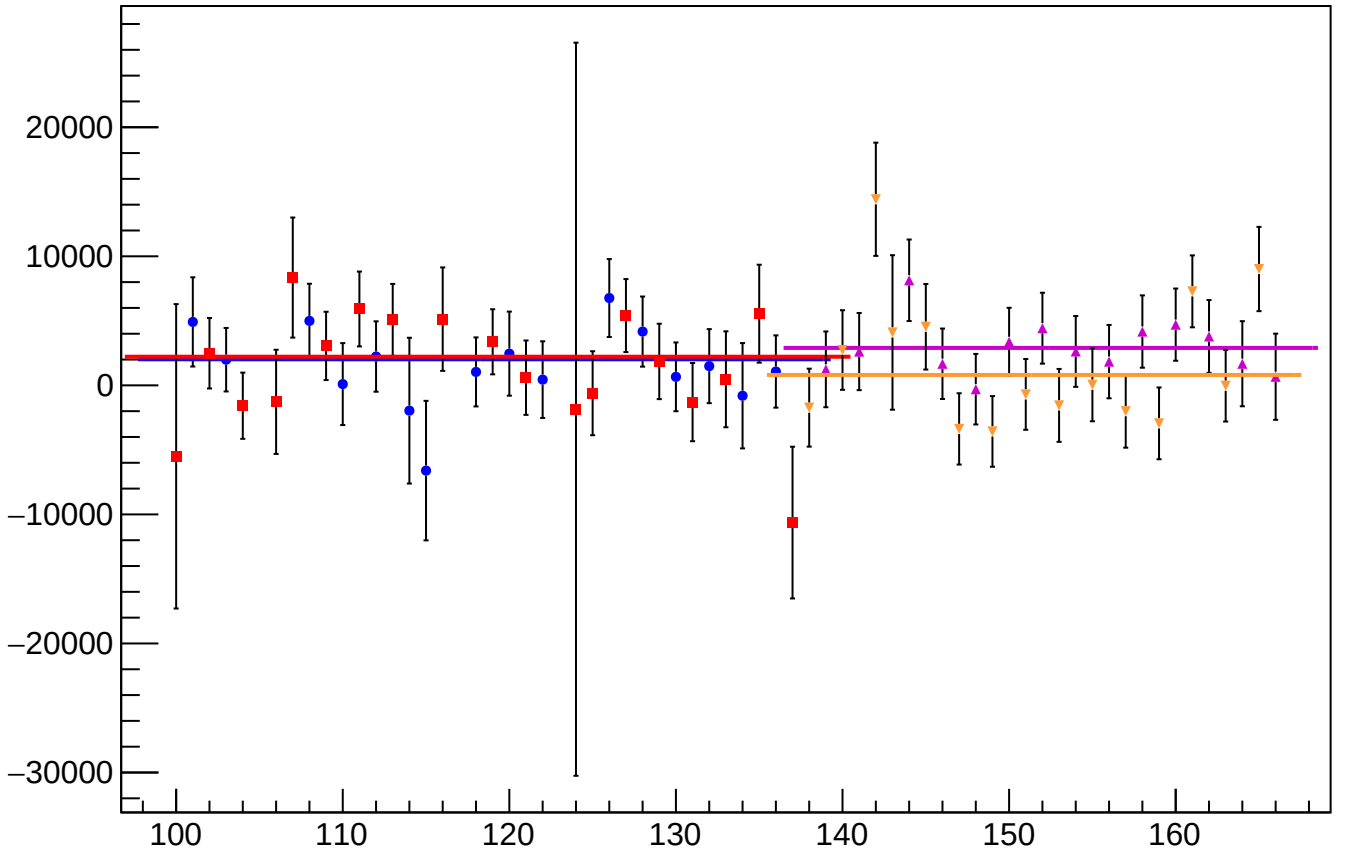
Left: 1927.047+/-0.529 χ^2/NDF: 33044518.6/28

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7305.750+/-1.249 χ^2/NDF:3105596.2/29

Out: 1167.295+/-0.386 χ^2/NDF:28918777.7/33

All: 1703.176+/-0.369 χ^2/NDF: 54068360.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2901.587+/-768.913 χ^2/NDF:6.5/13

Left: 1870.279+/-547.860 χ^2/NDF: 42.9/28

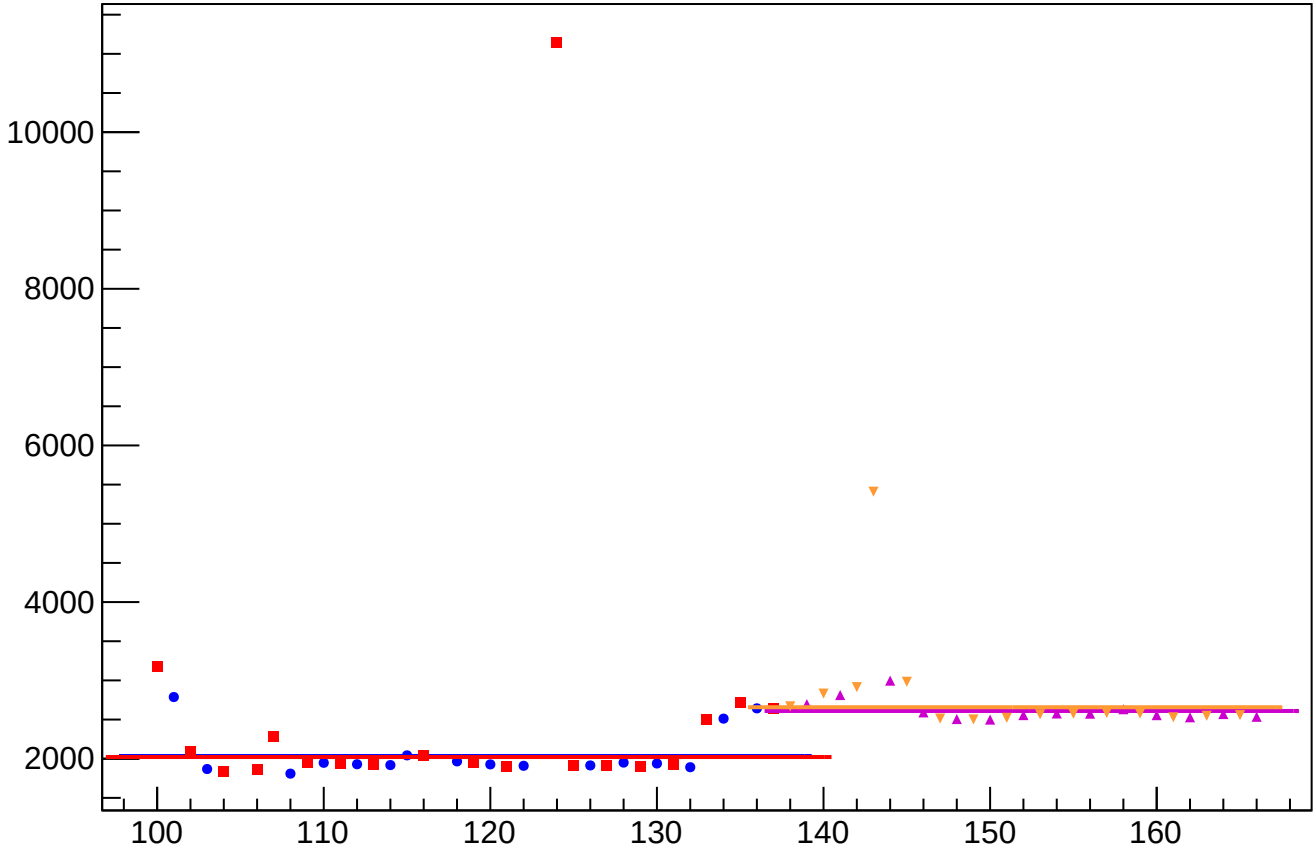
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2459.590+/-542.086 χ^2/NDF:16.7/29

Out: 1535.614+/-543.185 χ^2/NDF:52.7/33

All: 1998.538+/-383.700 χ^2/NDF: 70.8/63

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

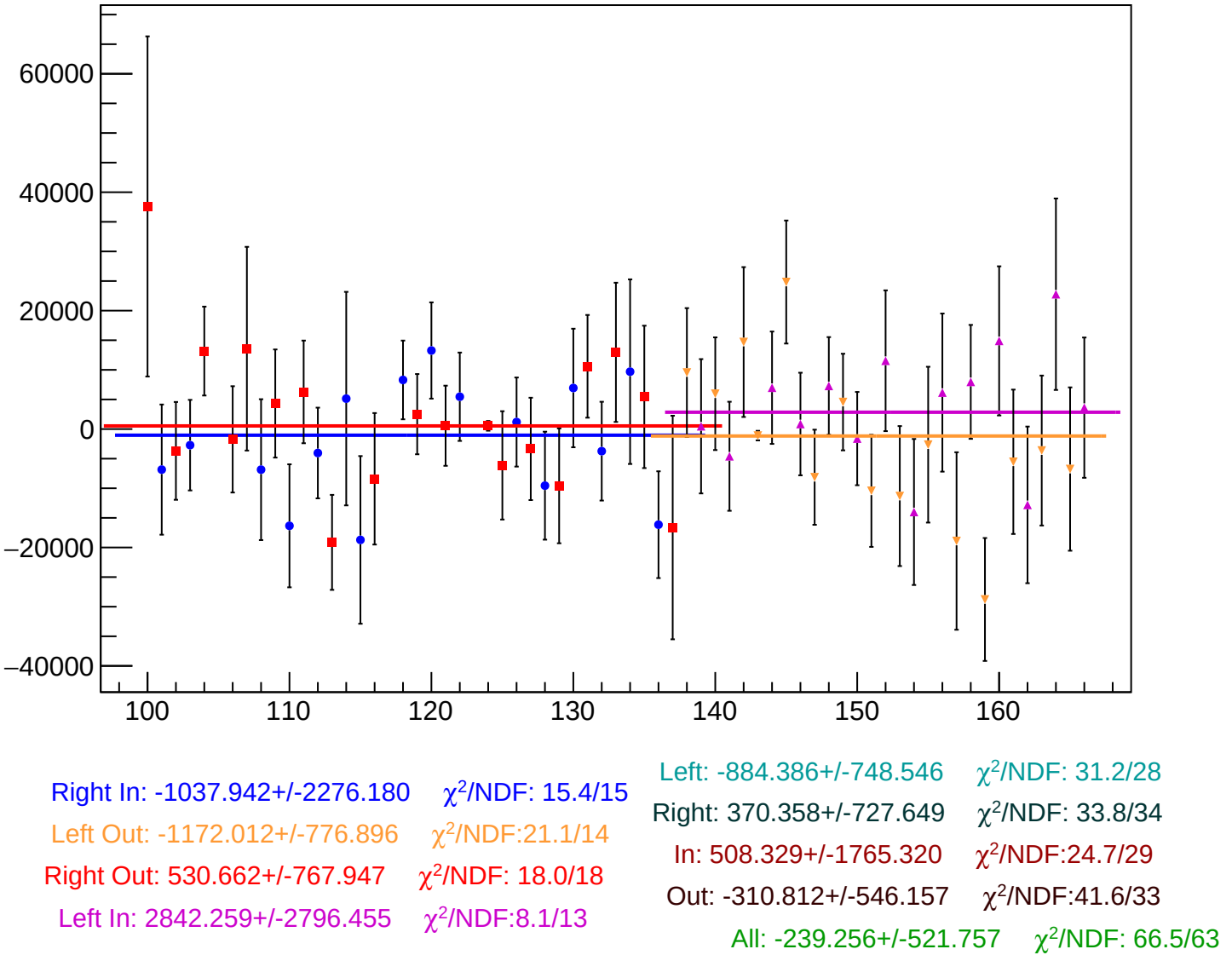
Left: 2633.076+/-0.387 χ^2/NDF: 544234.4/28

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2320.152+/-0.383 χ^2/NDF:878827.6/29

Out: 2329.246+/-0.384 χ^2/NDF:1562473.4/33

All: 2324.690+/-0.271 χ^2/NDF: 2441581.8/63


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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−20000
−40000
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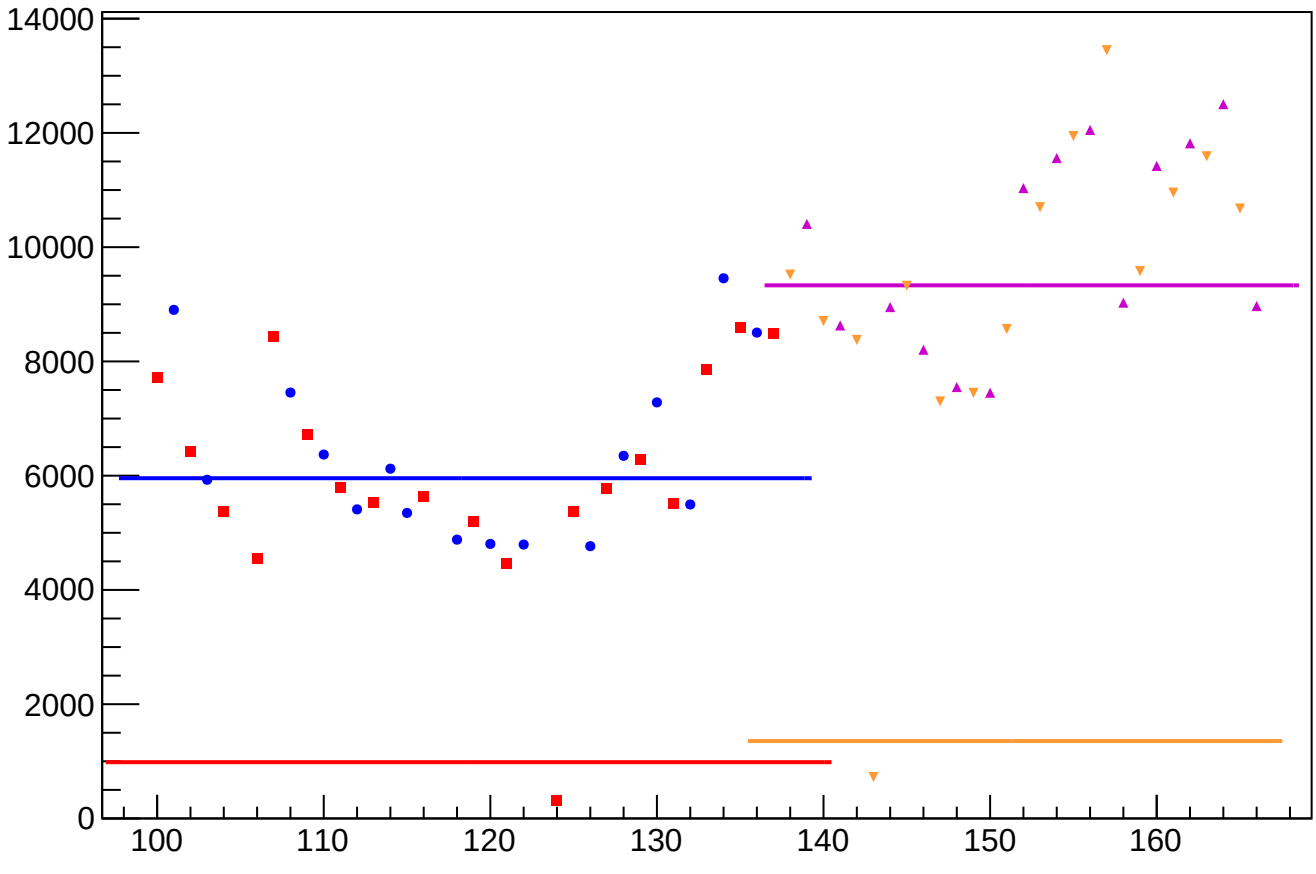
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1172.012+/-776.896 χ²/NDF:21.1/14
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2842.259+/-2796.455 χ²/NDF:8.1/13
Left: -884.386+/-748.546 χ²/NDF: 31.2/28
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 508.329+/-1765.320 χ²/NDF:24.7/29
Out: -310.812+/-546.157 χ²/NDF:41.6/33
All: -239.256+/-521.757 χ²/NDF: 66.5/63



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9331.610+/-1.977 χ^2/NDF:669866.7/13

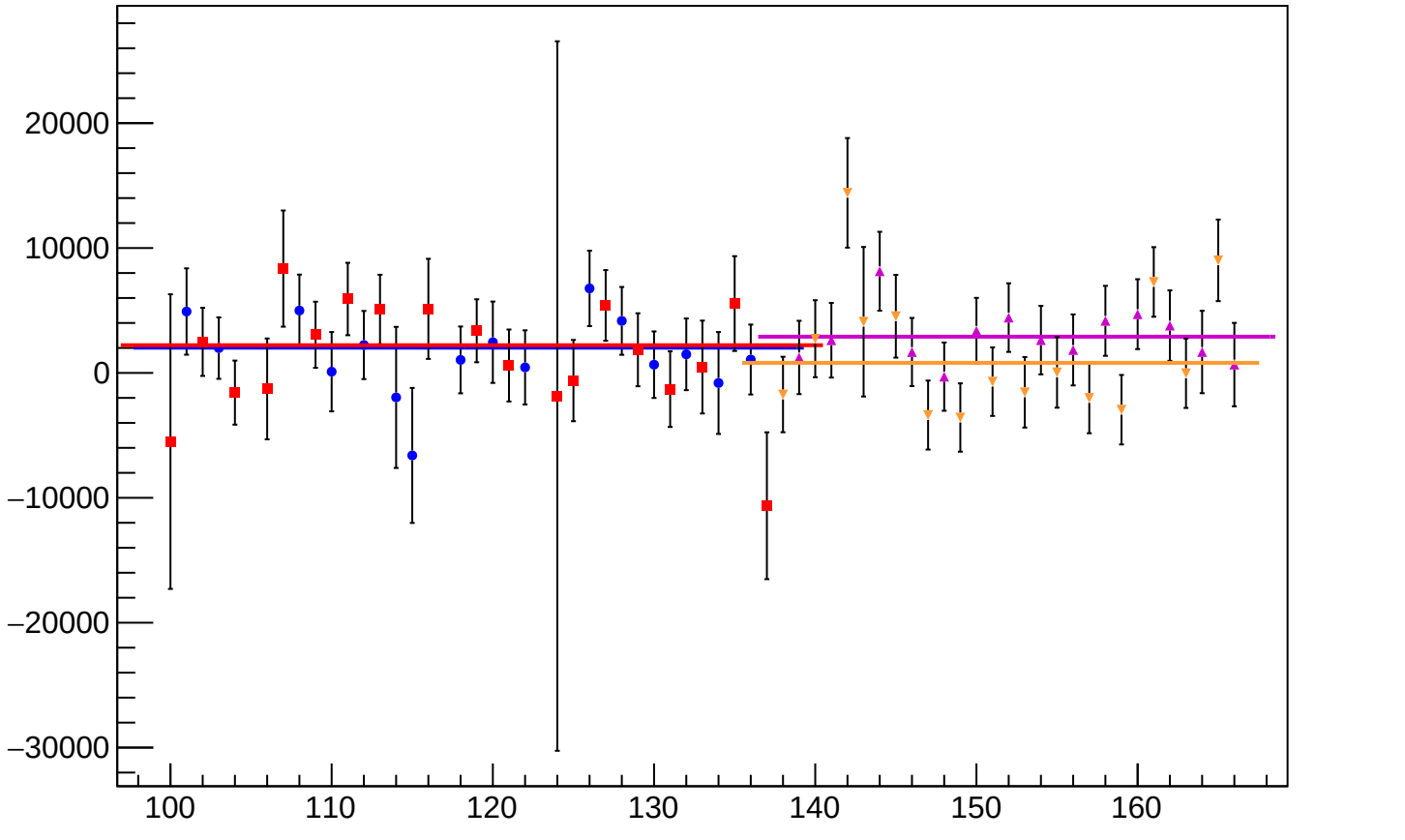
Left: 1926.788+/-0.529 χ^2/NDF: 33045876.1/28

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7300.973+/-1.248 χ^2/NDF:3112265.8/29

Out: 1168.016+/-0.386 χ^2/NDF:28913181.4/33

All: 1703.763+/-0.369 χ^2/NDF: 54055955.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2901.587+/-768.913 χ^2/NDF:6.5/13

Left: 1870.279+/-547.860 χ^2/NDF: 42.9/28

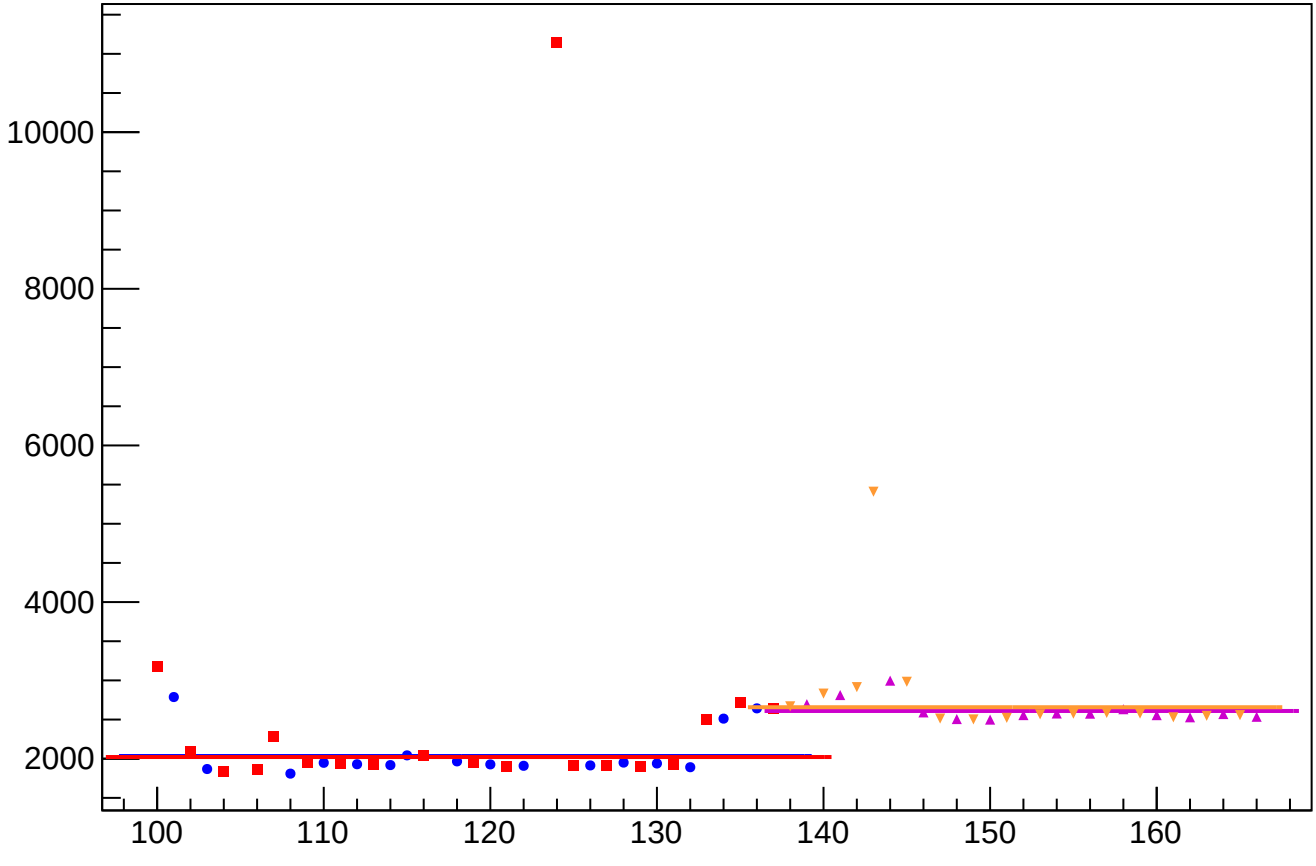
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2459.590+/-542.086 χ^2/NDF:16.7/29

Out: 1535.614+/-543.185 χ^2/NDF:52.7/33

All: 1998.538+/-383.700 χ^2/NDF: 70.8/63

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2609.565+/-0.544 χ^2/NDF:52530.9/13

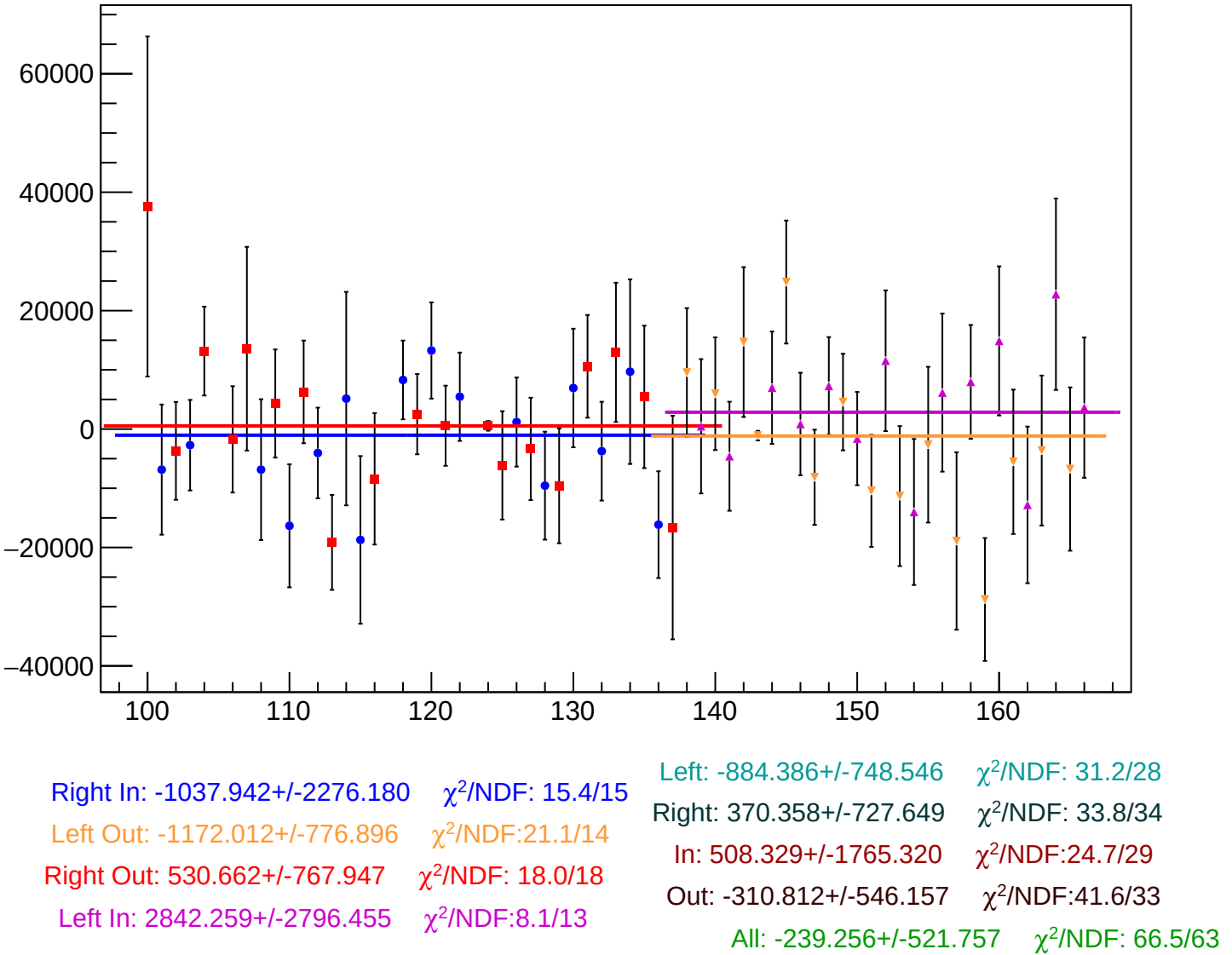
Left: 2633.076+/-0.387 χ^2/NDF: 544234.4/28

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2320.152+/-0.383 χ^2/NDF:878827.6/29

Out: 2329.246+/-0.384 χ^2/NDF:1562473.4/33

All: 2324.690+/-0.271 χ^2/NDF: 2441581.8/63


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
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−20000
−40000
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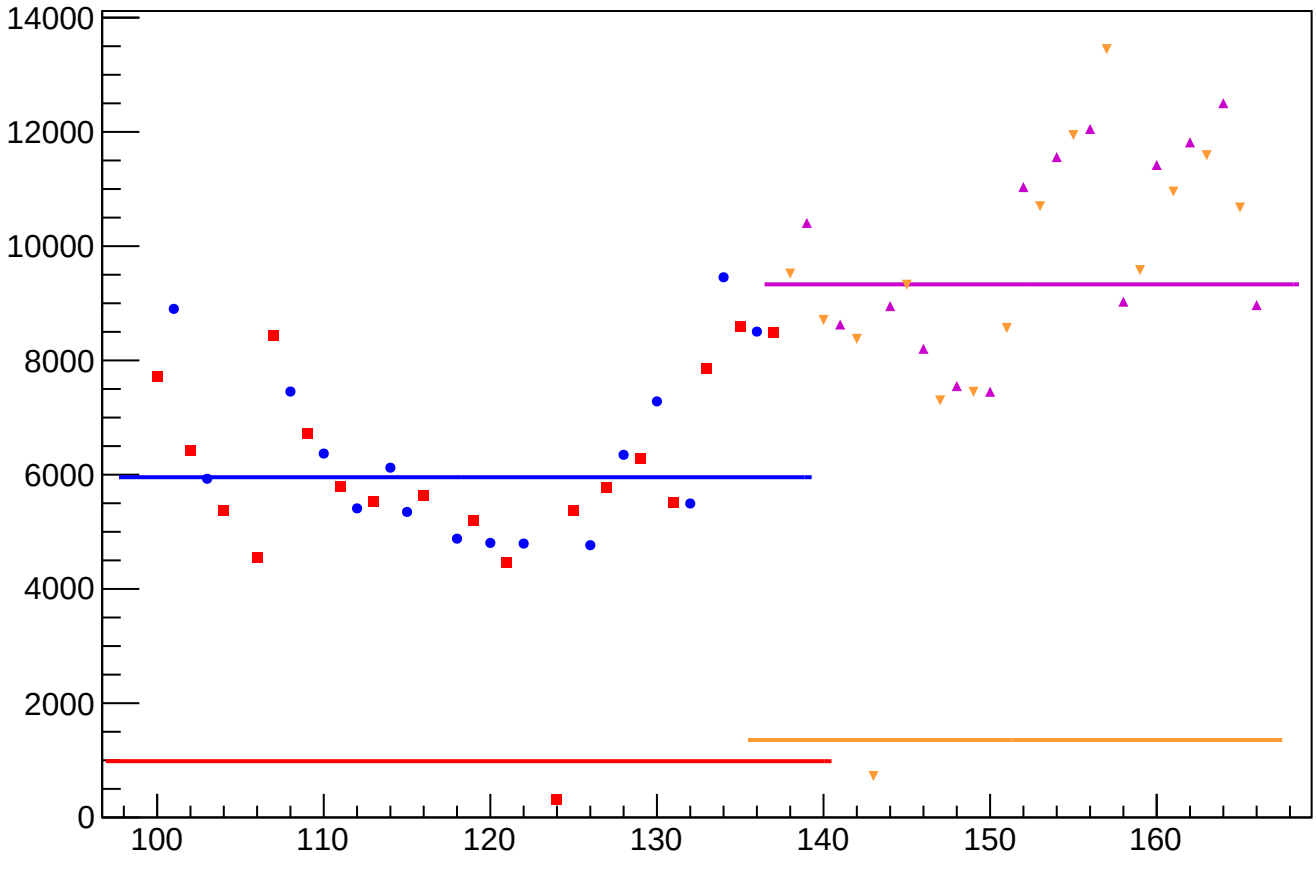
110
120
130
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1172.012+/-776.896 χ²/NDF:21.1/14
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2842.259+/-2796.455 χ²/NDF:8.1/13
Left: -884.386+/-748.546 χ²/NDF: 31.2/28
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 508.329+/-1765.320 χ²/NDF:24.7/29
Out: -310.812+/-546.157 χ²/NDF:41.6/33
All: -239.256+/-521.757 χ²/NDF: 66.5/63



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9331.610+/-1.977 χ^2/NDF:669866.7/13

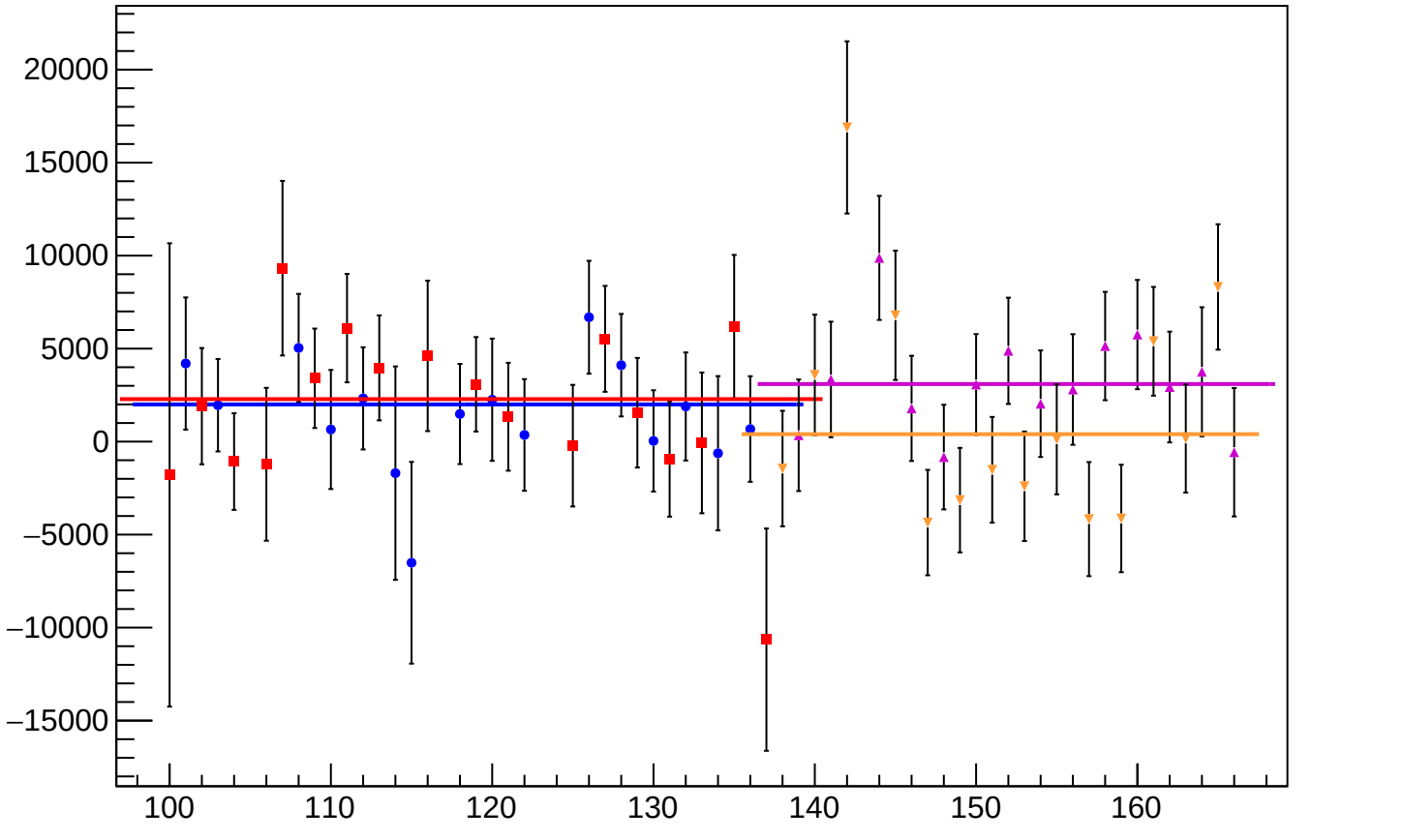
Left: 1926.788+/-0.529 χ^2/NDF: 33045876.1/28

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

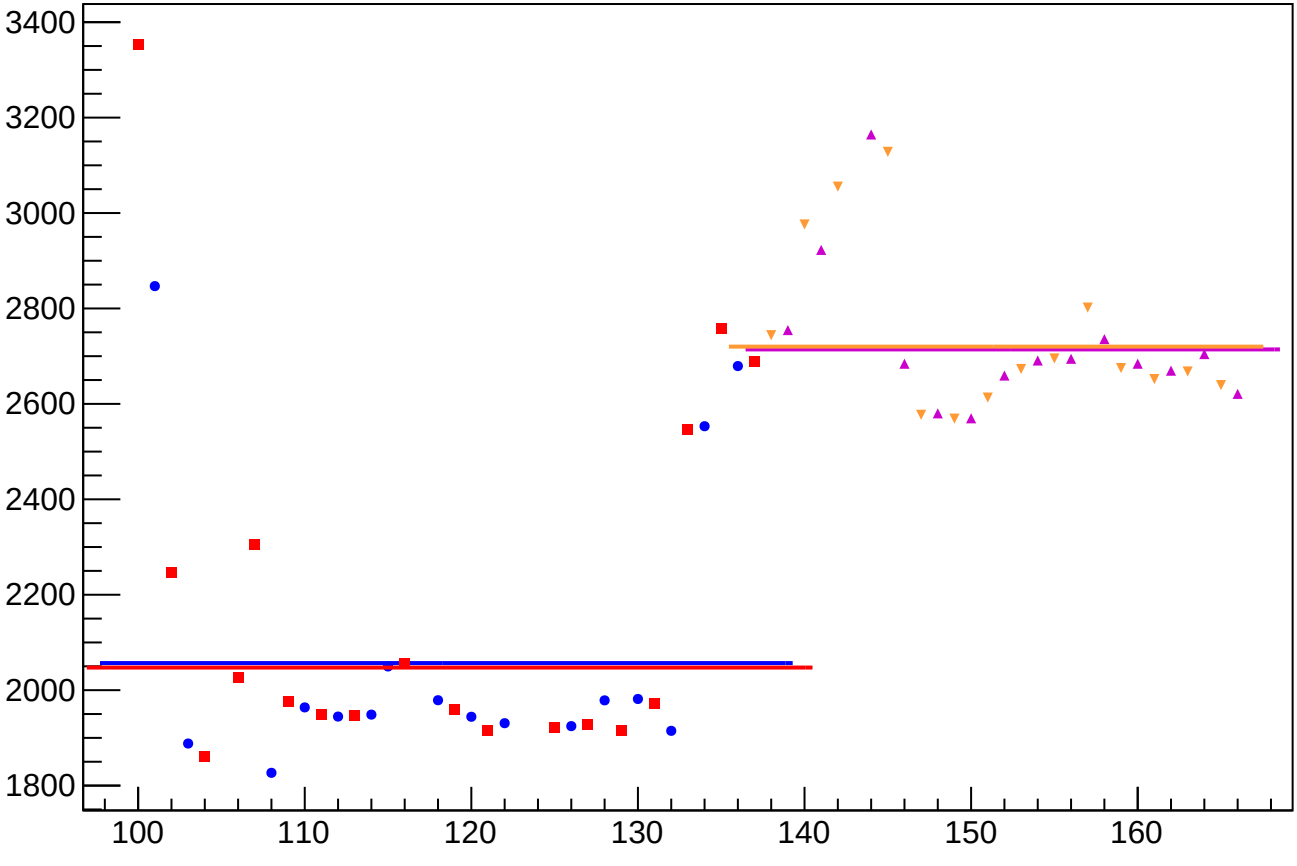
In: 7300.973+/-1.248 χ^2/NDF:3112265.8/29

Out: 1168.016+/-0.386 χ^2/NDF:28913181.4/33

All: 1703.763+/-0.369 χ^2/NDF: 54055955.0/6


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: 400.882+/-821.351 χ²/NDF:36.3/13
Right Out: 2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: 3096.045+/-799.947 χ²/NDF:10.2/13
Left: 1784.038+/-573.066 χ²/NDF: 52.0/27
Right: 2142.972+/-546.180 χ²/NDF: 25.7/33
In: 2529.225+/-556.076 χ²/NDF:20.1/29
Out: 1402.573+/-562.253 χ²/NDF:55.7/31
All: 1972.122+/-395.371 χ²/NDF: 77.9/61

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2720.008+/-0.581 χ^2/NDF:69757.0/13

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2714.157+/-0.566 χ^2/NDF:59478.1/13

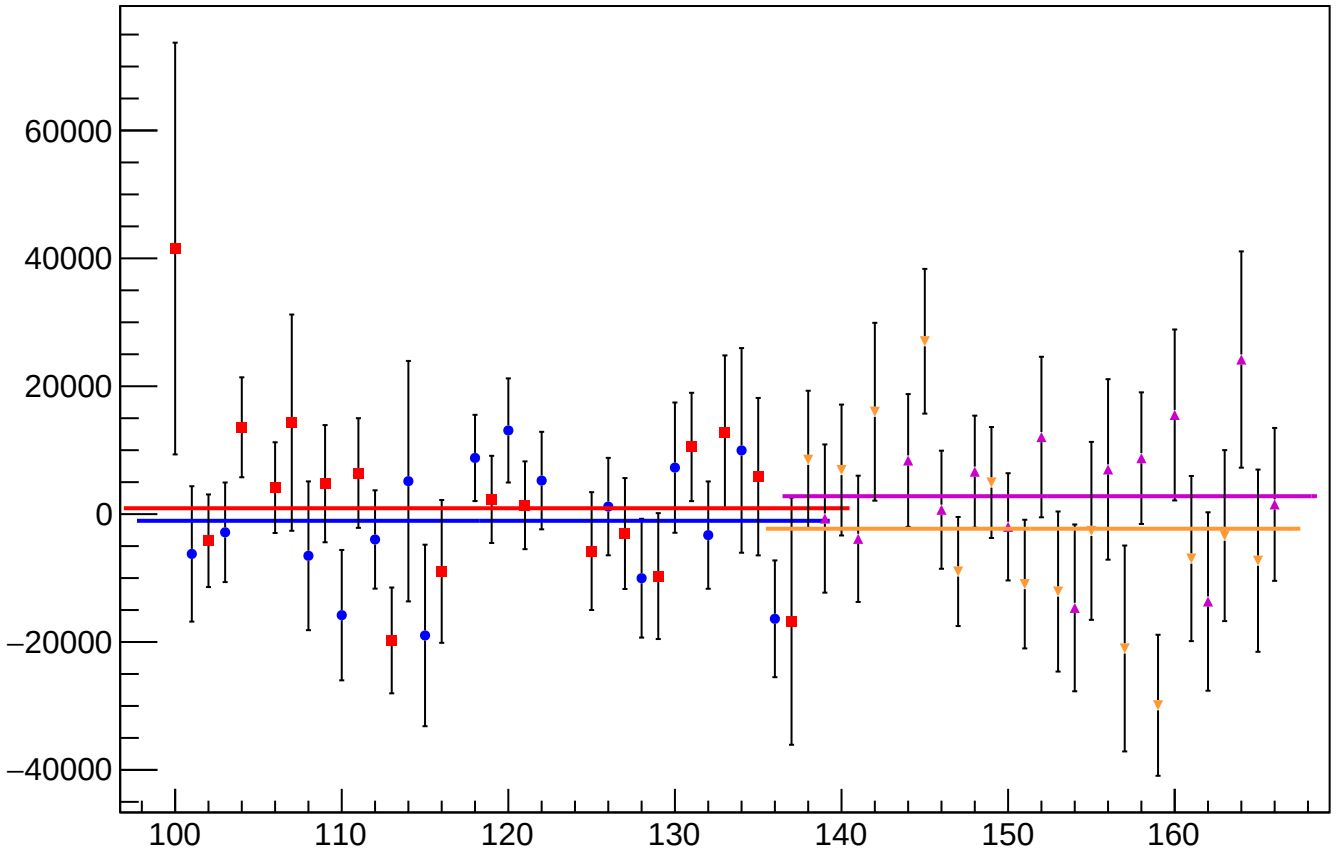
Left: 2717.006+/-0.405 χ^2/NDF: 129287.2/27

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2374.446+/-0.393 χ^2/NDF:1027878.4/29

Out: 2362.081+/-0.397 χ^2/NDF:980002.4/31

All: 2368.327+/-0.279 χ^2/NDF: 2008370.2/61



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2283.755+/-3040.681 χ^2/NDF:20.8/13

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2802.791+/-2963.579 χ^2/NDF:8.1/13

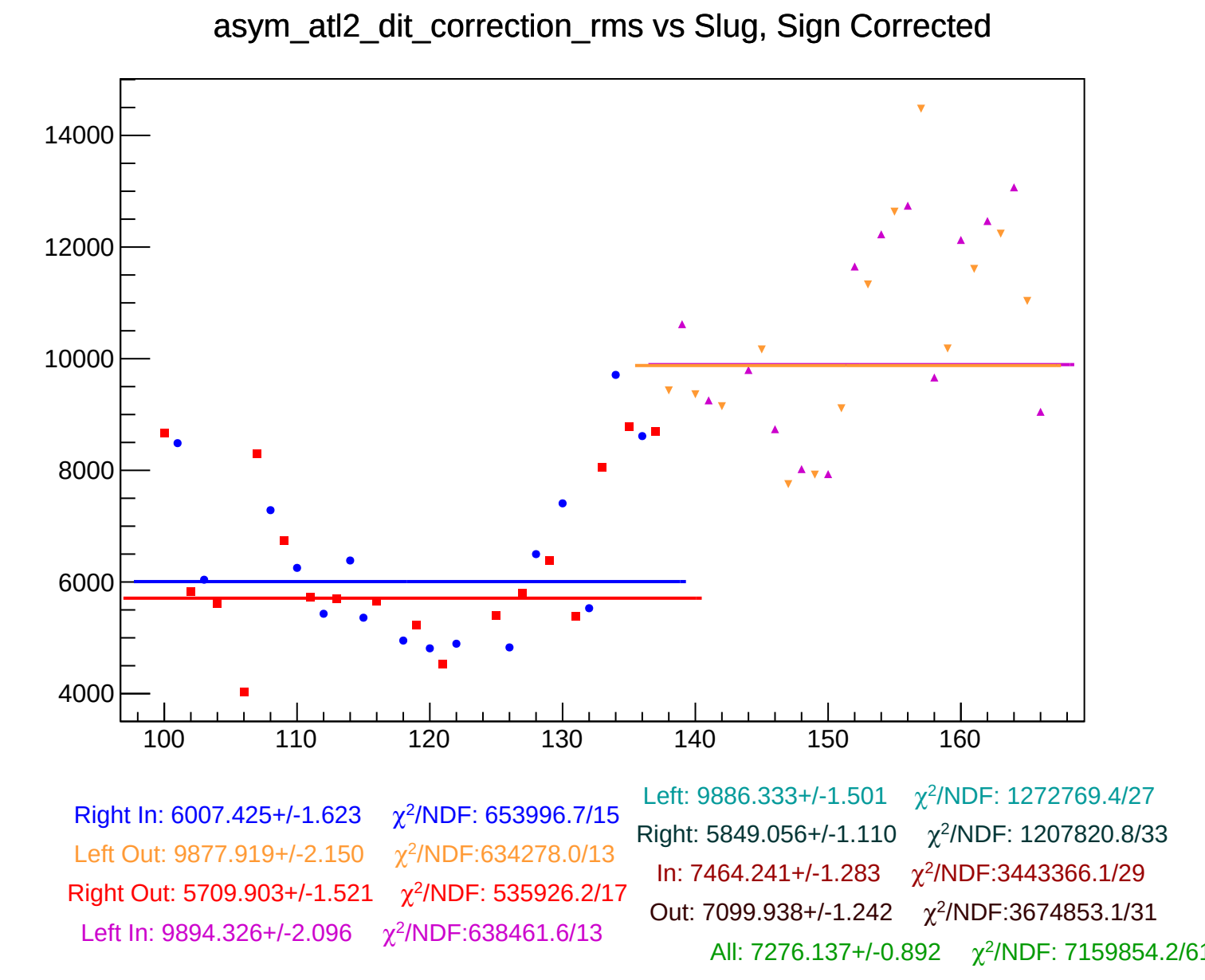
Left: 324.824+/-2122.302 χ^2/NDF: 30.3/27

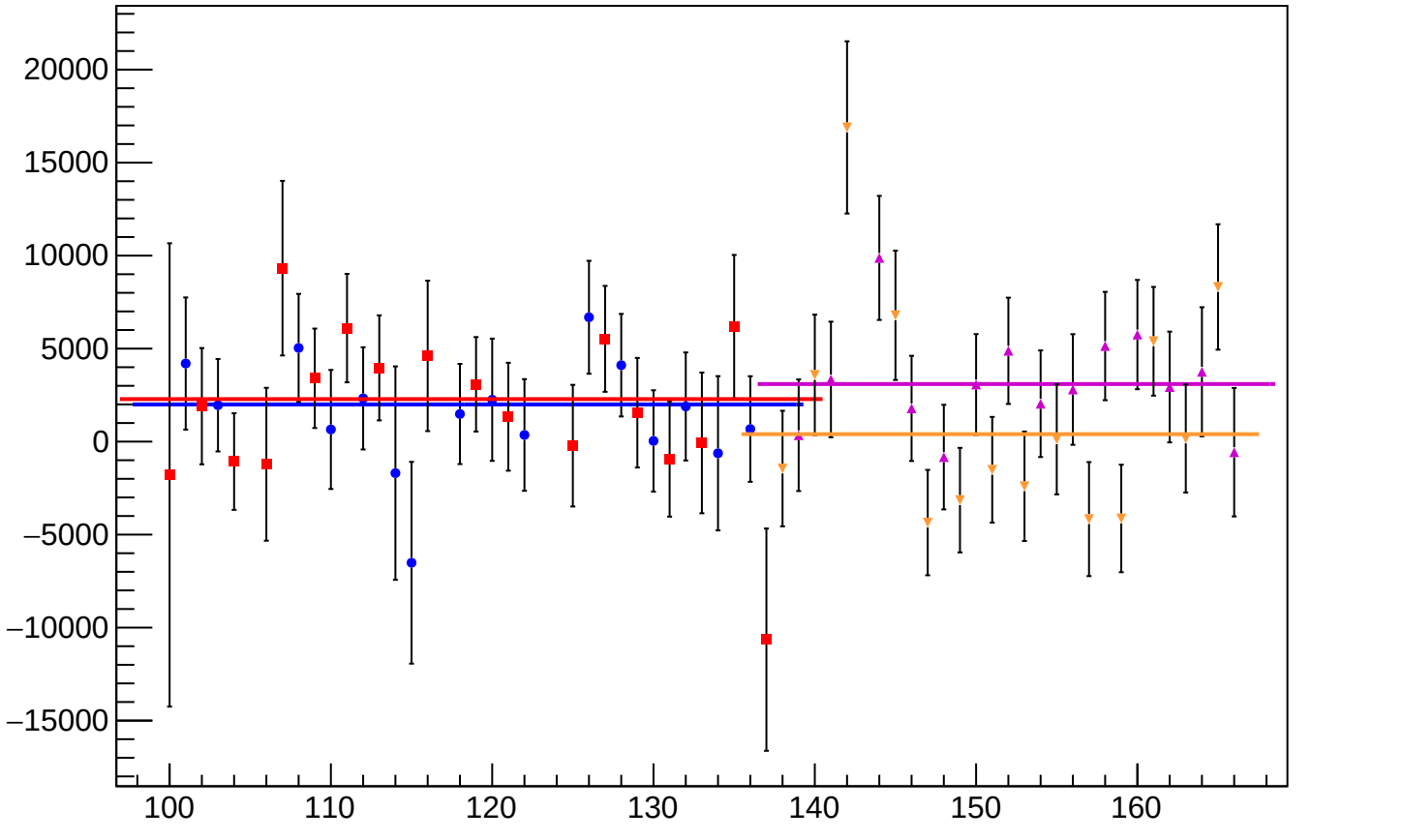
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

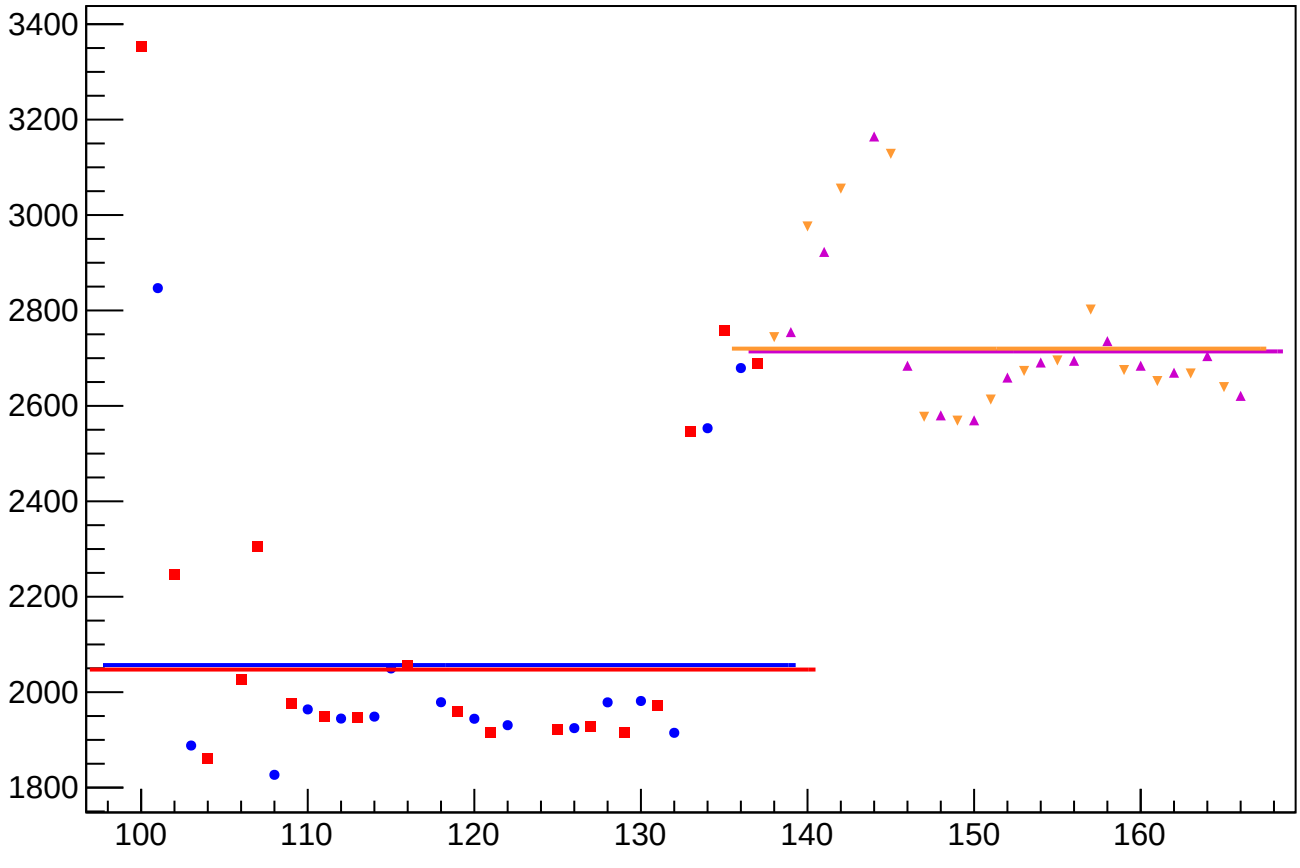
In: 398.711+/-1814.334 χ^2/NDF:24.4/29

Out: -148.679+/-1755.978 χ^2/NDF:39.9/31

All: 116.072+/-1261.790 χ^2/NDF: 64.4/61


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9877.919+/-2.150 χ²/NDF:634278.0/13
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9894.326+/-2.096 χ²/NDF:638461.6/13
Left: 9886.333+/-1.501 χ²/NDF: 1272769.4/27
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7464.241+/-1.283 χ²/NDF:3443366.1/29
Out: 7099.938+/-1.242 χ²/NDF:3674853.1/31
All: 7276.137+/-0.892 χ²/NDF: 7159854.2/61


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 400.871+/-821.352 χ²/NDF:36.3/13
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3096.047+/-799.948 χ²/NDF:10.2/13
Left: 1784.034+/-573.066 χ²/NDF: 52.0/27
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2529.228+/-556.076 χ²/NDF:20.1/29
Out: 1402.571+/-562.253 χ²/NDF:55.7/31
All: 1972.122+/-395.371 χ²/NDF: 77.9/61


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
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2600
2400
2200
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100
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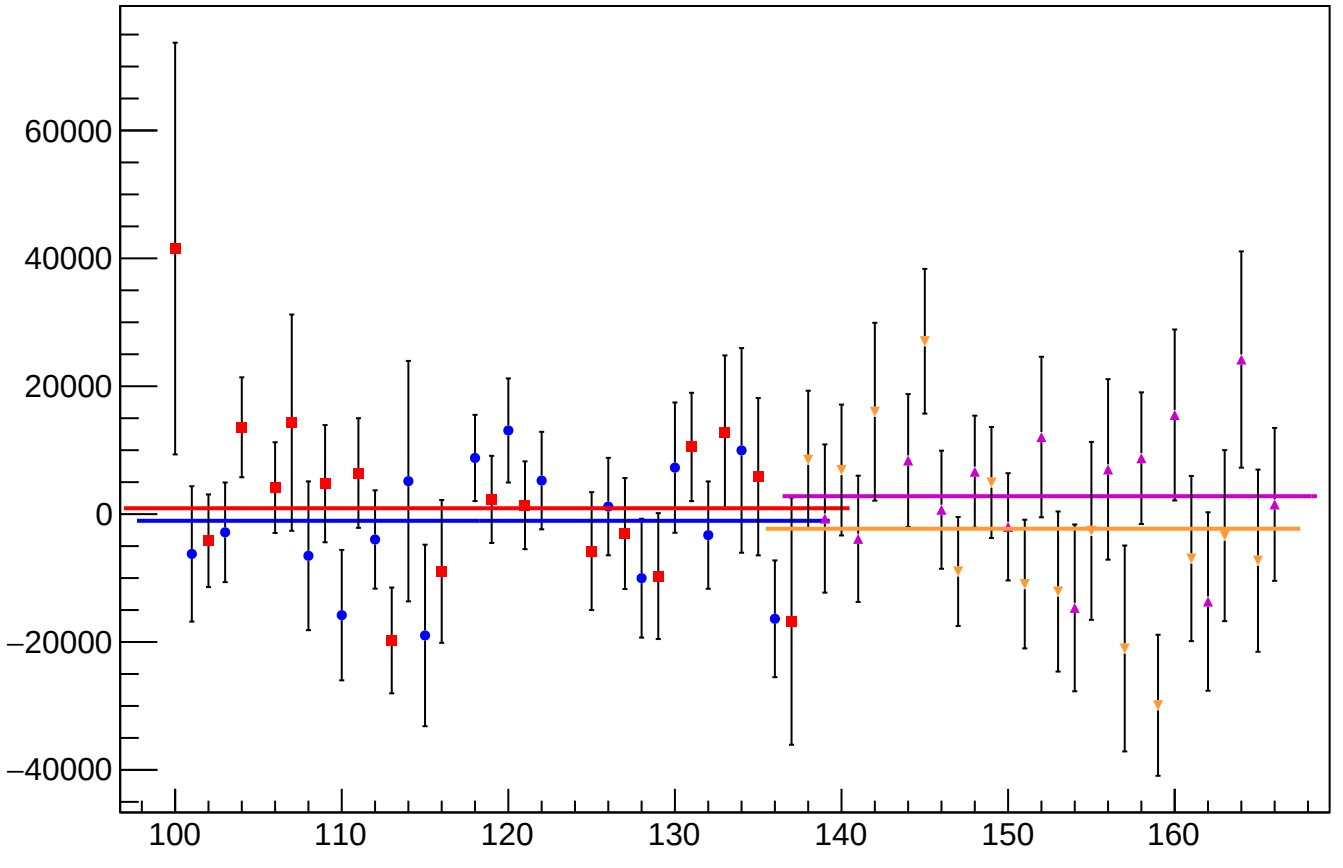
130
140
150
160
Right In: 2056.796+/-0.547 χ²/NDF: 270454.5/15
Left Out: 2720.011+/-0.581 χ²/NDF:69758.2/13
Right Out: 2047.400+/-0.545 χ²/NDF: 196523.3/17
Left In: 2714.160+/-0.566 χ²/NDF:59478.7/13
Left: 2717.009+/-0.405 χ²/NDF: 129289.0/27
Right: 2052.077+/-0.386 χ²/NDF: 467125.9/33
In: 2374.447+/-0.393 χ²/NDF:1027884.2/29
Out: 2362.082+/-0.397 χ²/NDF:980009.9/31
All: 2368.328+/-0.279 χ²/NDF: 2008383.5/61



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2283.767+/-3040.685 χ^2/NDF:20.8/13

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2802.791+/-2963.583 χ^2/NDF:8.1/13

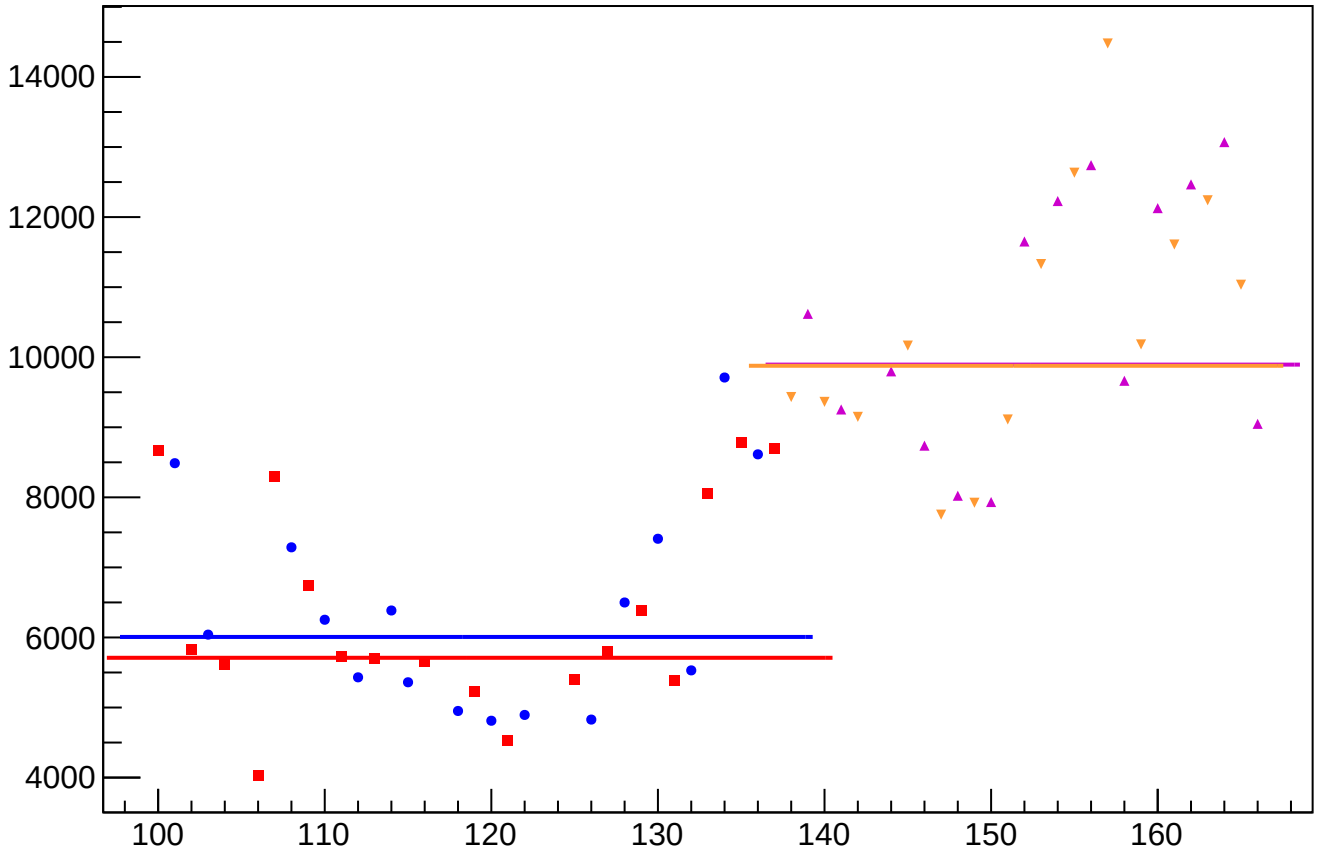
Left: 324.819+/-2122.305 χ^2/NDF: 30.3/27

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 398.711+/-1814.331 χ^2/NDF:24.4/29

Out: -148.674+/-1755.976 χ^2/NDF:39.9/31

All: 116.074+/-1261.788 χ^2/NDF: 64.4/61



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9877.932+/-2.150 χ^2/NDF:634281.2/13

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9894.339+/-2.096 χ^2/NDF:638464.8/13

Left: 9886.346+/-1.501 χ^2/NDF: 1272775.8/27

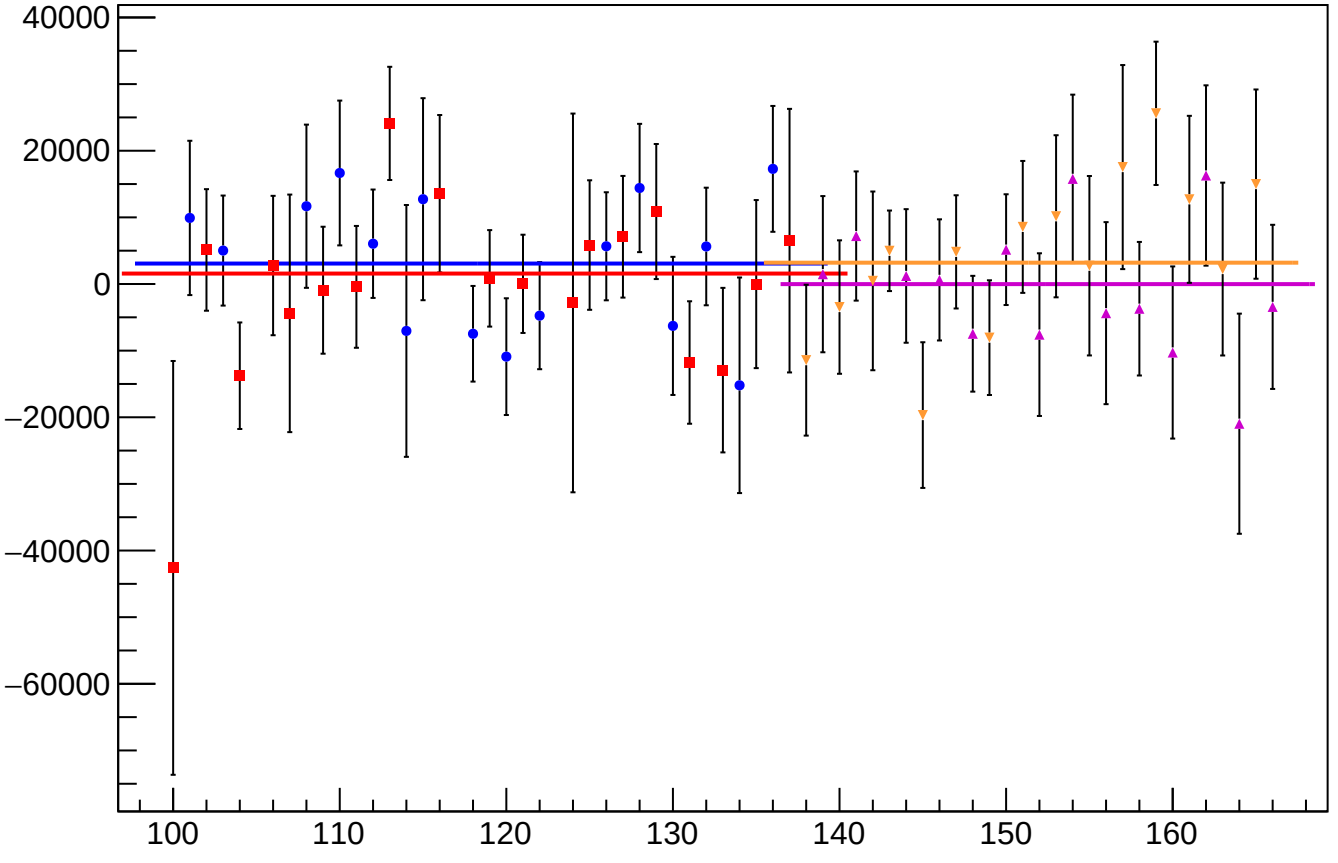
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7464.226+/-1.283 χ^2/NDF:3443414.5/29

Out: 7099.923+/-1.242 χ^2/NDF:3674896.7/31

All: 7276.121+/-0.892 χ^2/NDF: 7159946.1/61

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 3200.016+/-2681.287 χ^2/NDF:15.5/14

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: -16.786+/-2914.868 χ^2/NDF:7.7/13

Left: 1725.650+/-1973.375 χ^2/NDF: 23.8/28

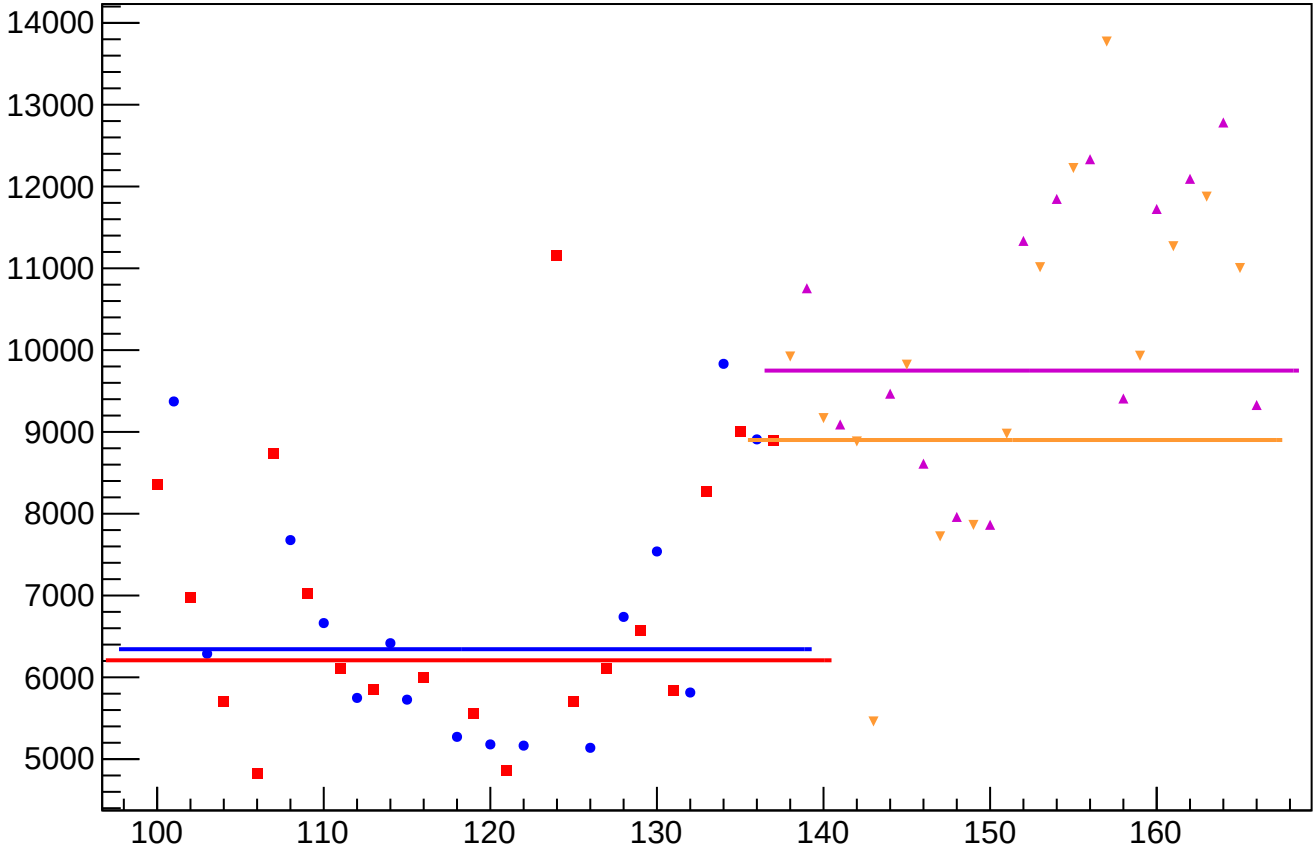
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1810.227+/-1862.266 χ^2/NDF:23.2/29

Out: 2271.664+/-1761.262 χ^2/NDF:34.9/33

All: 2053.798+/-1279.618 χ^2/NDF: 58.1/63

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8901.073+/-1.896 χ^2/NDF:1371299.9/14

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9749.692+/-2.061 χ^2/NDF:583957.7/13

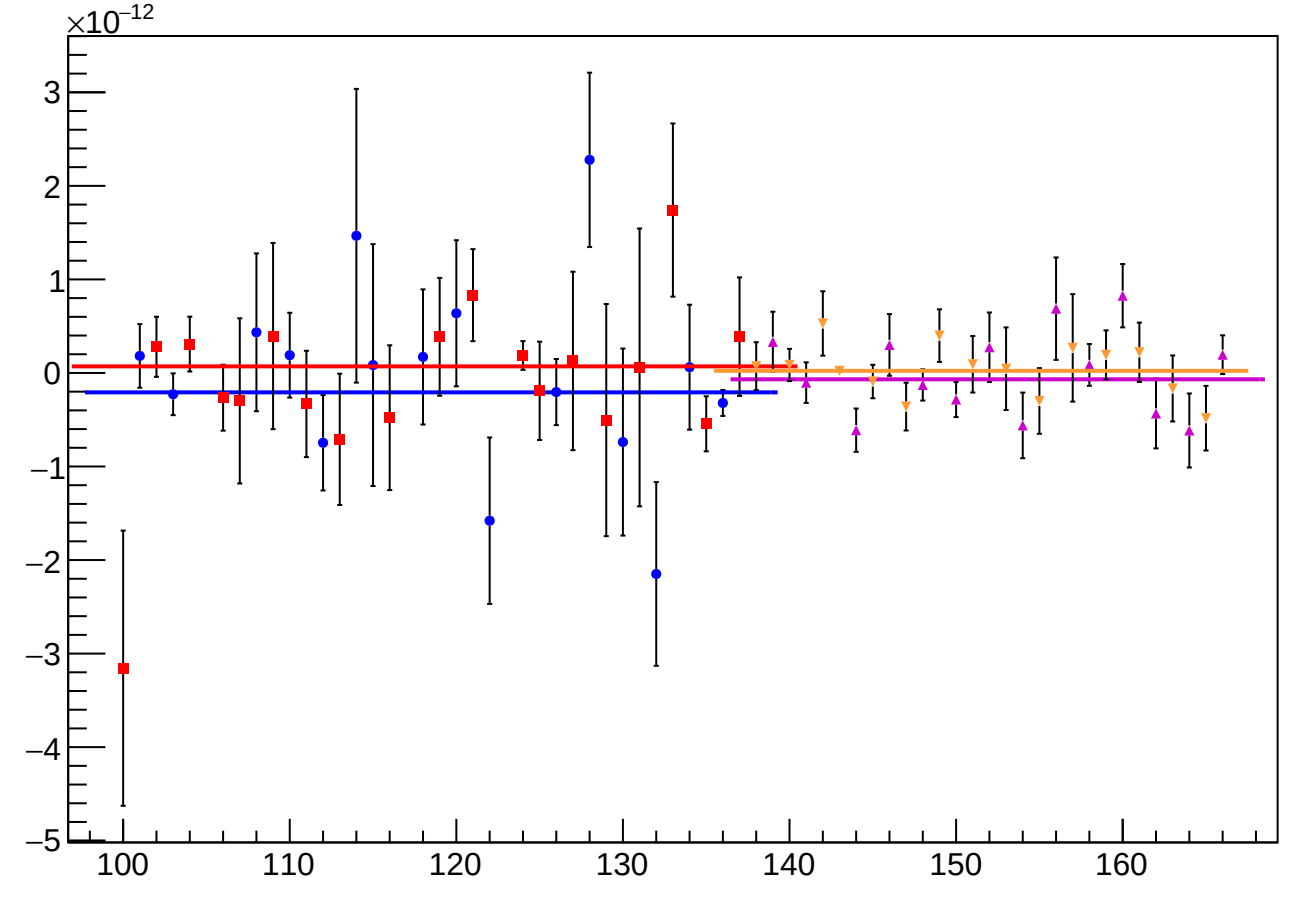
Left: 9290.023+/-1.395 χ^2/NDF: 2047080.2/28

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7733.992+/-1.317 χ^2/NDF:2821227.4/29

Out: 7370.061+/-1.245 χ^2/NDF:2990115.8/33

All: 7541.890+/-0.905 χ^2/NDF: 5851661.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:26.4/13

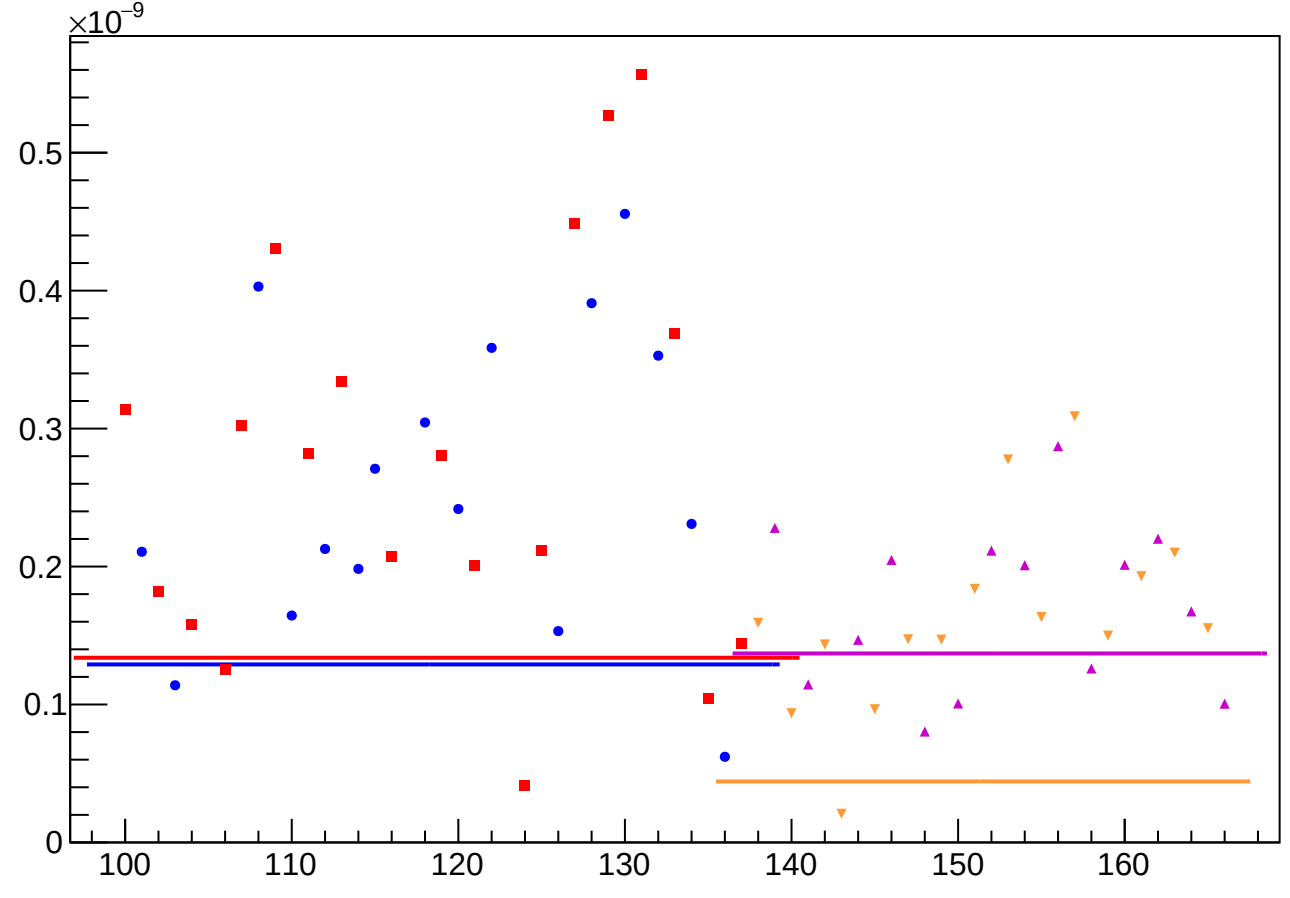
Left: 0.000+/-0.000 χ^2/NDF: 38.9/28

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:48.8/29

Out: 0.000+/-0.000 χ^2/NDF:32.2/33

All: -0.000+/-0.000 χ^2/NDF: 86.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5424574.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1121072.6/13

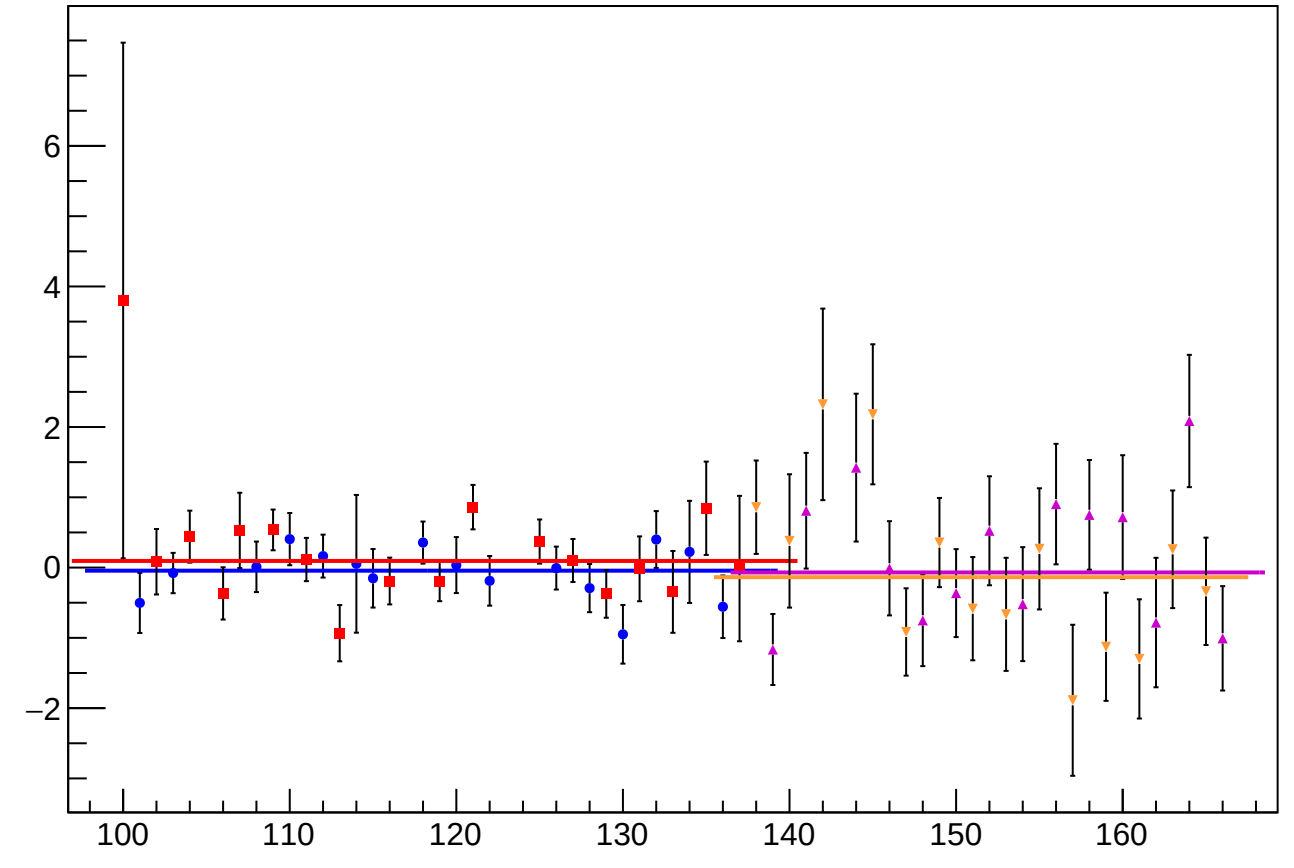
Left: 0.000+/-0.000 χ^2/NDF: 9487934.1/28

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2850497.9/29

Out: 0.000+/-0.000 χ^2/NDF:9306840.1/33

All: 0.000+/-0.000 χ^2/NDF: 15378523.2/63



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

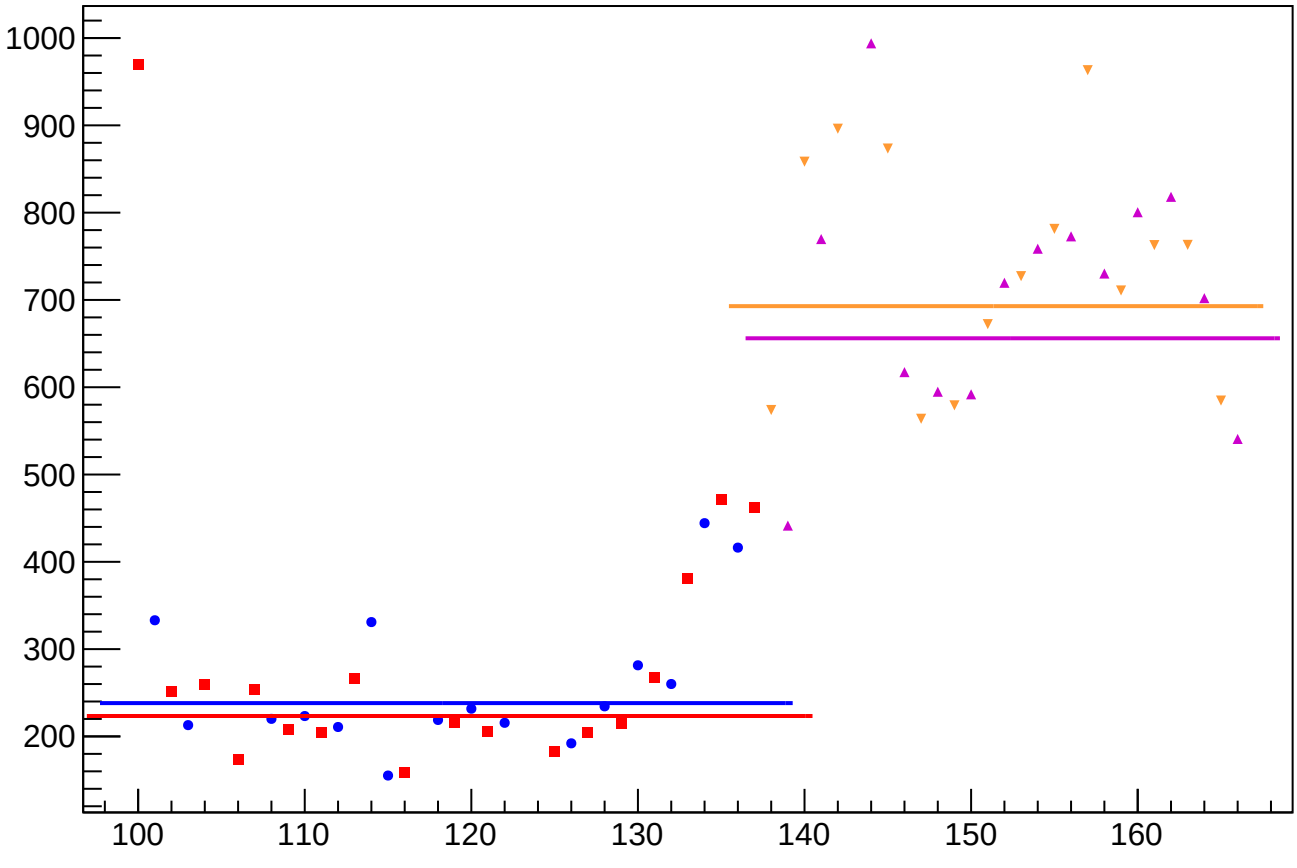
Left: -0.101+/-0.146 χ^2/NDF: 41.6/27

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.060+/-0.083 χ^2/NDF:47.1/31

All: 0.007+/-0.059 χ^2/NDF: 81.8/61


asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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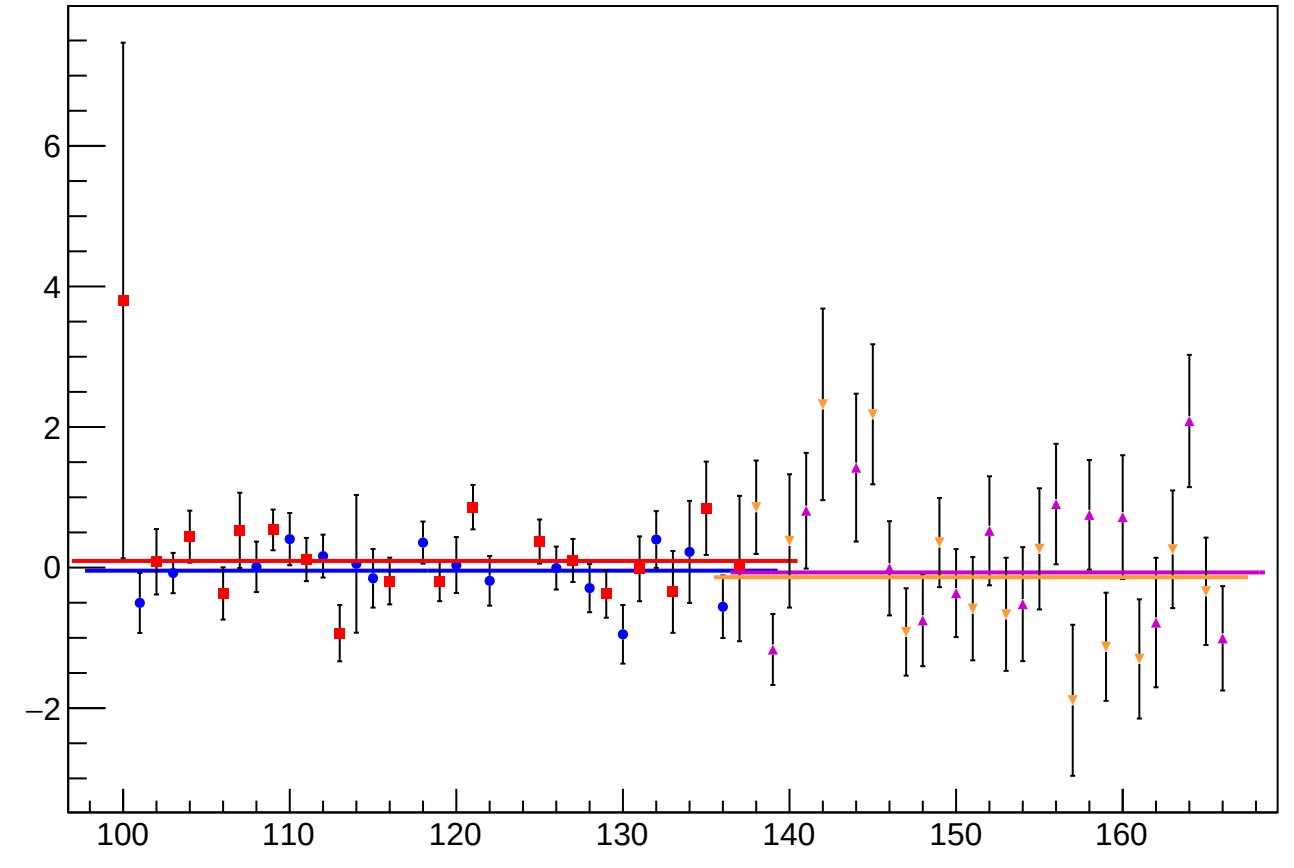
Right In: 238.165+/-0.066 χ²/NDF: 807205.2/15
Left Out: 692.888+/-0.151 χ²/NDF:607029.1/13
Right Out: 223.388+/-0.064 χ²/NDF: 862425.5/17
Left In: 656.077+/-0.141 χ²/NDF:920291.2/13
Left: 673.222+/-0.103 χ²/NDF: 1558912.2/27
Right: 230.474+/-0.046 χ²/NDF: 1695464.7/33
In: 313.579+/-0.060 χ²/NDF:8891764.0/29
Out: 293.949+/-0.059 χ²/NDF:9643084.9/31
All: 303.540+/-0.042 χ²/NDF: 18589512.4/61



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

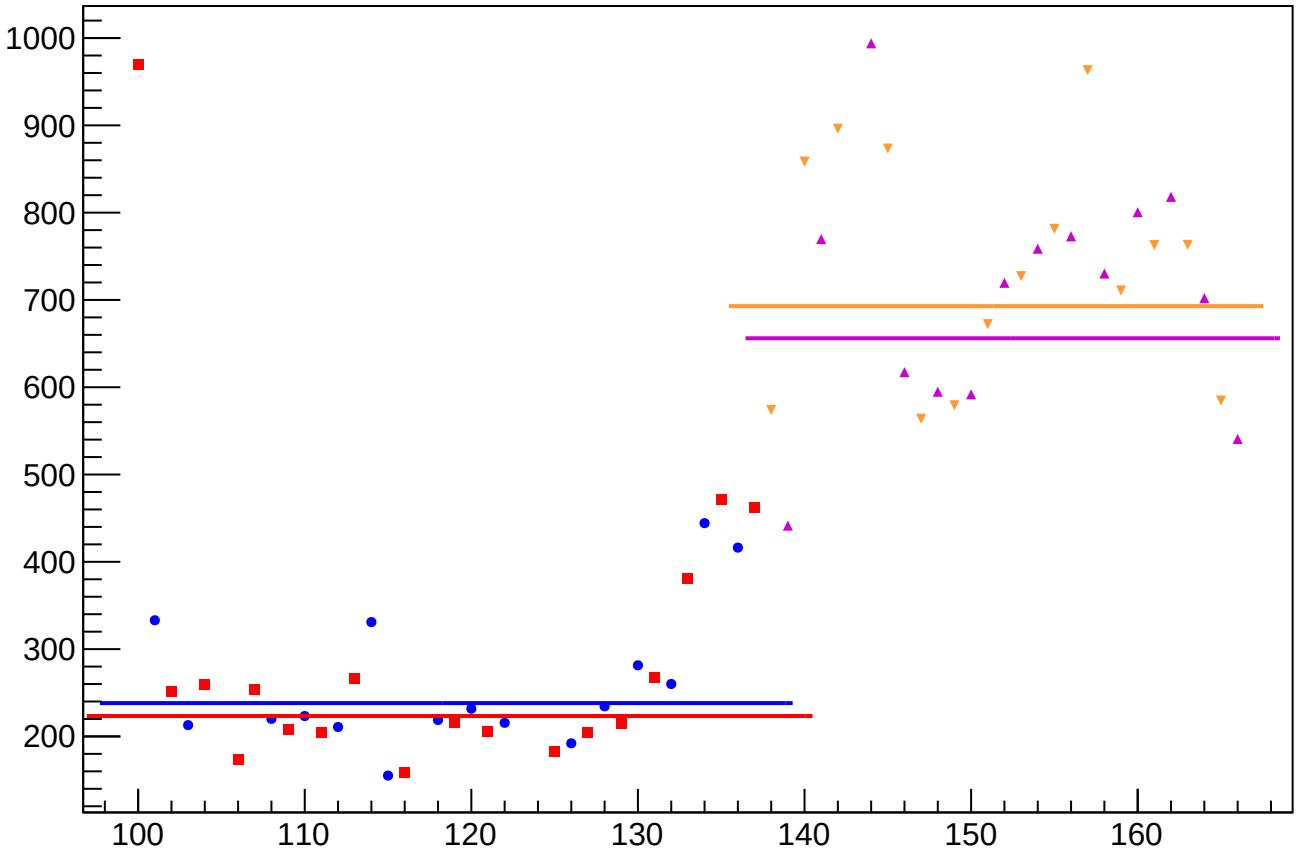
Left: -0.101+/-0.146 χ^2/NDF: 41.6/27

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.060+/-0.083 χ^2/NDF:47.1/31

All: 0.007+/-0.059 χ^2/NDF: 81.8/61


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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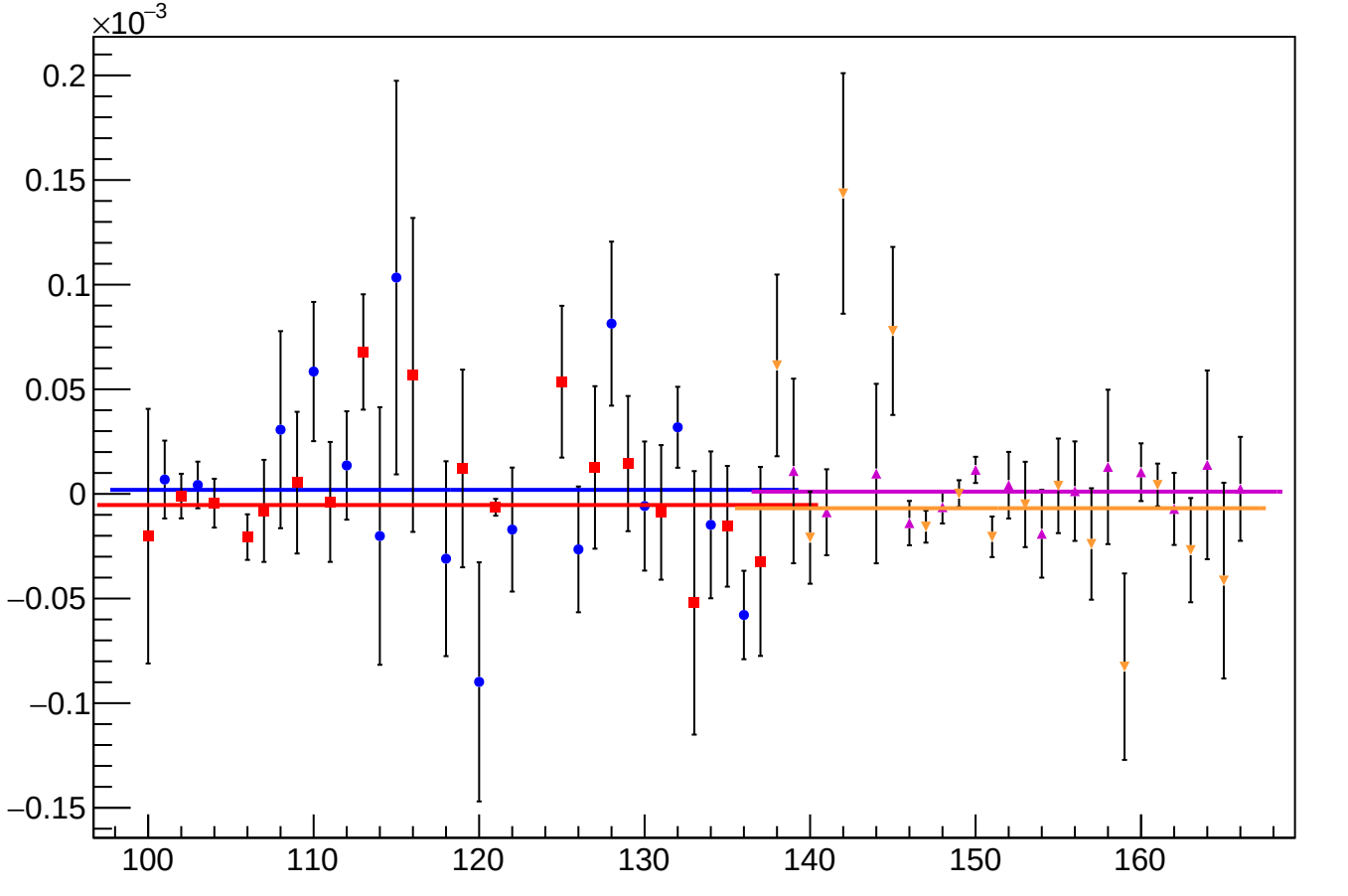
Right In: 238.165+/-0.066 χ²/NDF: 807205.2/15
Left Out: 692.888+/-0.151 χ²/NDF:607029.1/13
Right Out: 223.388+/-0.064 χ²/NDF: 862425.5/17
Left In: 656.077+/-0.141 χ²/NDF:920291.2/13
Left: 673.222+/-0.103 χ²/NDF: 1558912.2/27
Right: 230.474+/-0.046 χ²/NDF: 1695464.7/33
In: 313.579+/-0.060 χ²/NDF:8891764.0/29
Out: 293.949+/-0.059 χ²/NDF:9643084.9/31
All: 303.540+/-0.042 χ²/NDF: 18589512.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/13

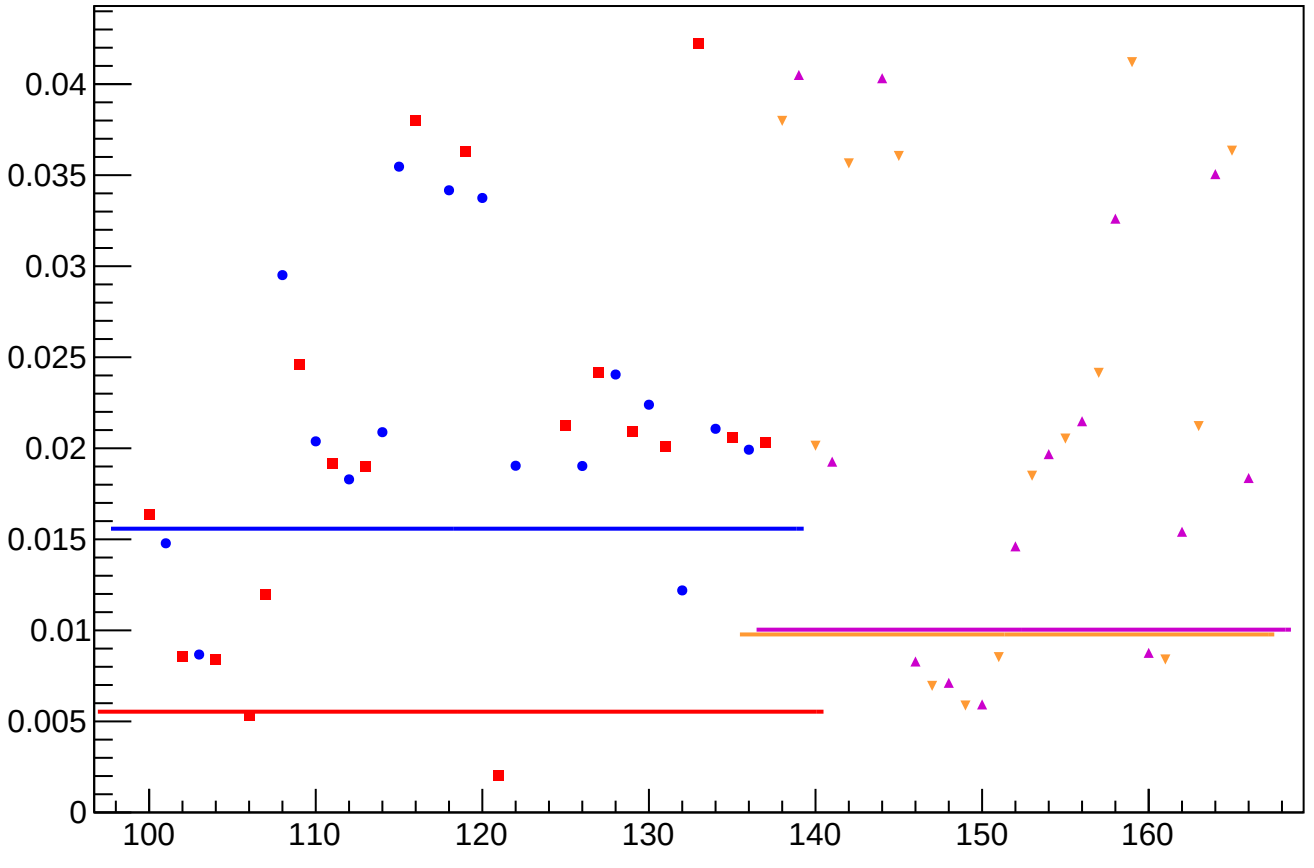
Left: -0.000+/-0.000 χ^2/NDF: 34.7/27

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.9/29

Out: -0.000+/-0.000 χ^2/NDF:39.2/31

All: -0.000+/-0.000 χ^2/NDF: 74.4/61



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7091701.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:6398325.8/13

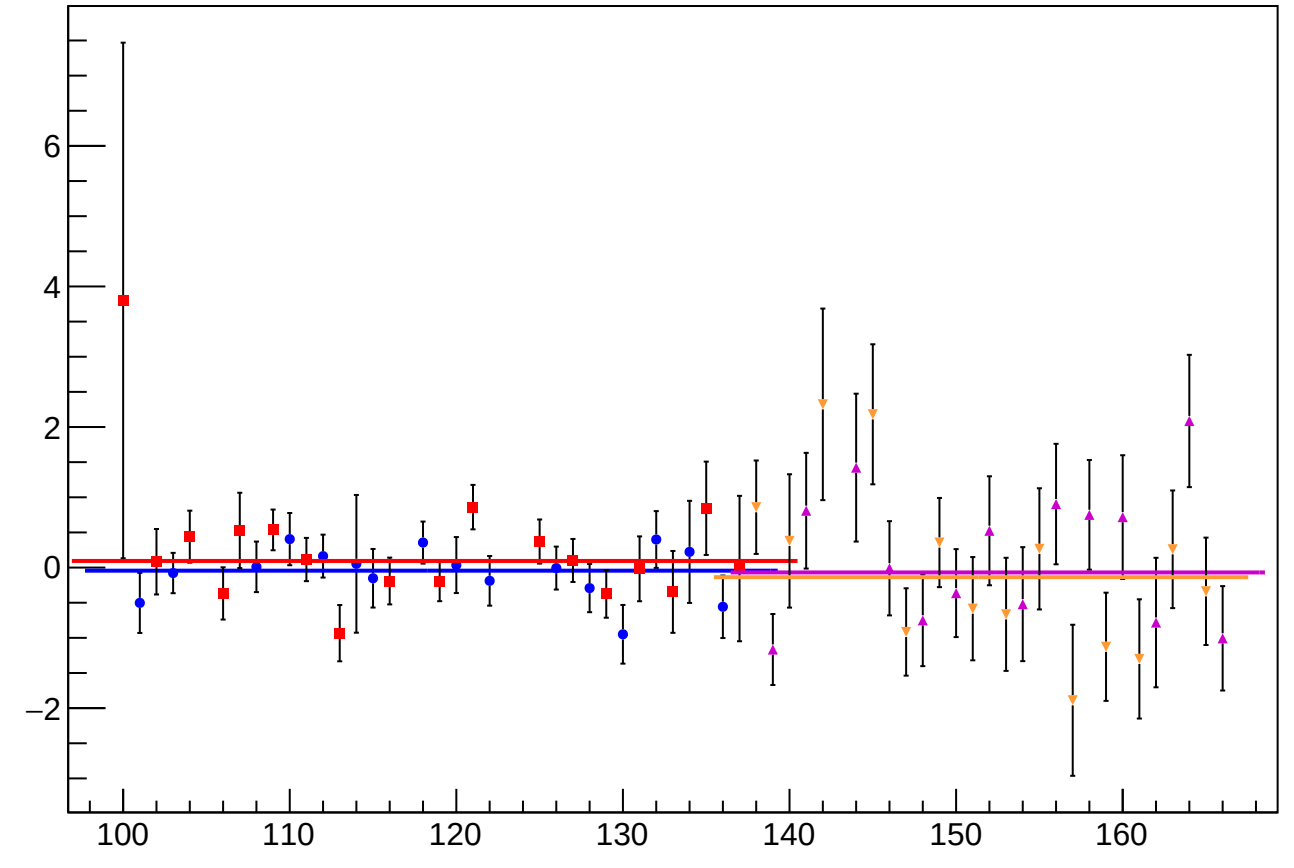
Left: 0.010+/-0.000 χ^2/NDF: 13495096.7/27

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:9607274.8/29

Out: 0.007+/-0.000 χ^2/NDF:16555021.1/31

All: 0.009+/-0.000 χ^2/NDF: 28234066.2/61



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

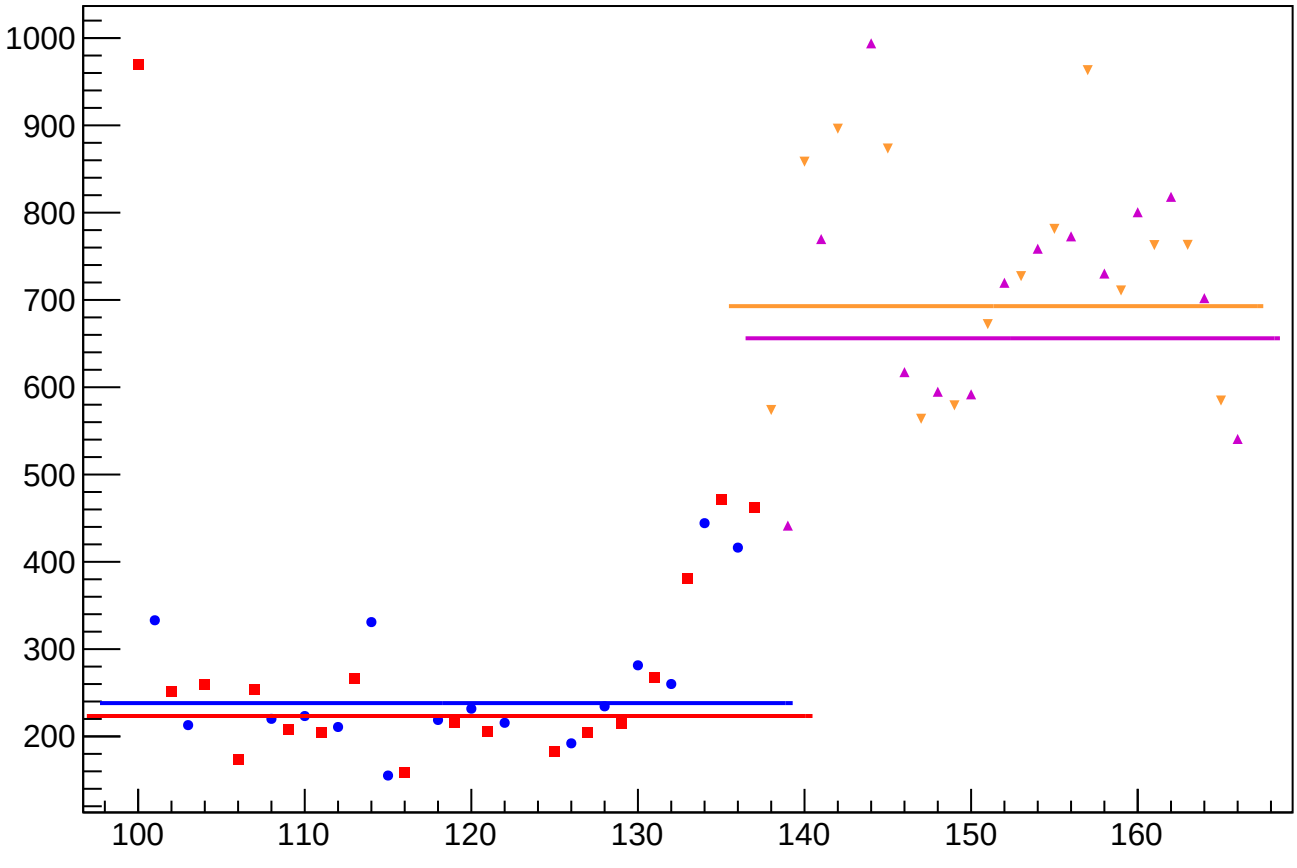
Left: -0.101+/-0.146 χ^2/NDF: 41.6/27

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.060+/-0.083 χ^2/NDF:47.2/31

All: 0.007+/-0.059 χ^2/NDF: 81.8/61


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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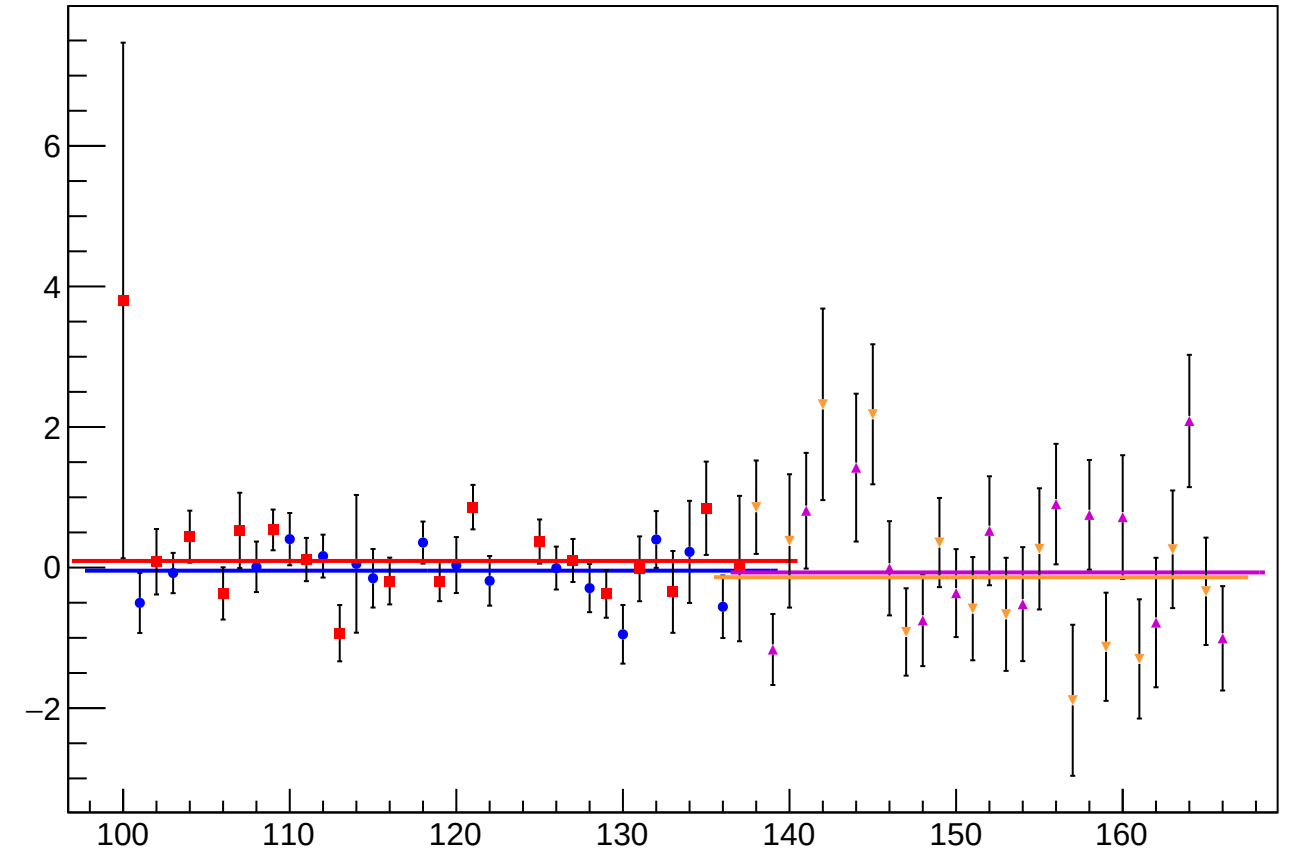
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 692.897+/-0.151 χ²/NDF:607065.6/13
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 656.086+/-0.141 χ²/NDF:920287.0/13
Left: 673.232+/-0.103 χ²/NDF: 1558942.5/27
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 313.580+/-0.060 χ²/NDF:8891854.7/29
Out: 293.951+/-0.059 χ²/NDF:9643124.2/31
All: 303.541+/-0.042 χ²/NDF: 18589637.9/61



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.069+/-0.200 χ^2/NDF:20.7/13

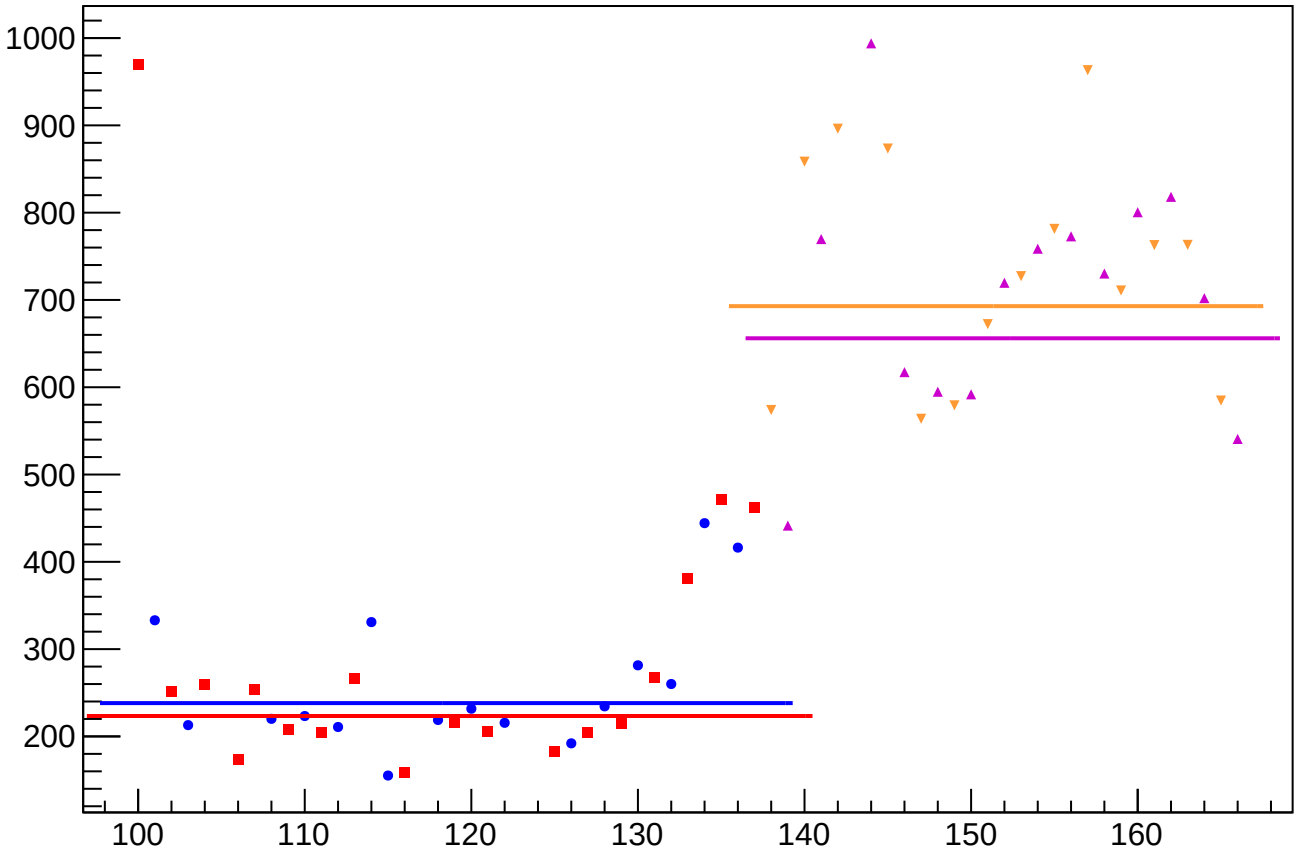
Left: -0.101+/-0.146 χ^2/NDF: 41.6/27

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.049+/-0.085 χ^2/NDF:33.8/29

Out: 0.060+/-0.083 χ^2/NDF:47.2/31

All: 0.007+/-0.059 χ^2/NDF: 81.8/61



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.897+/-0.151 χ^2/NDF:607065.6/13

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 656.086+/-0.141 χ^2/NDF:920287.0/13

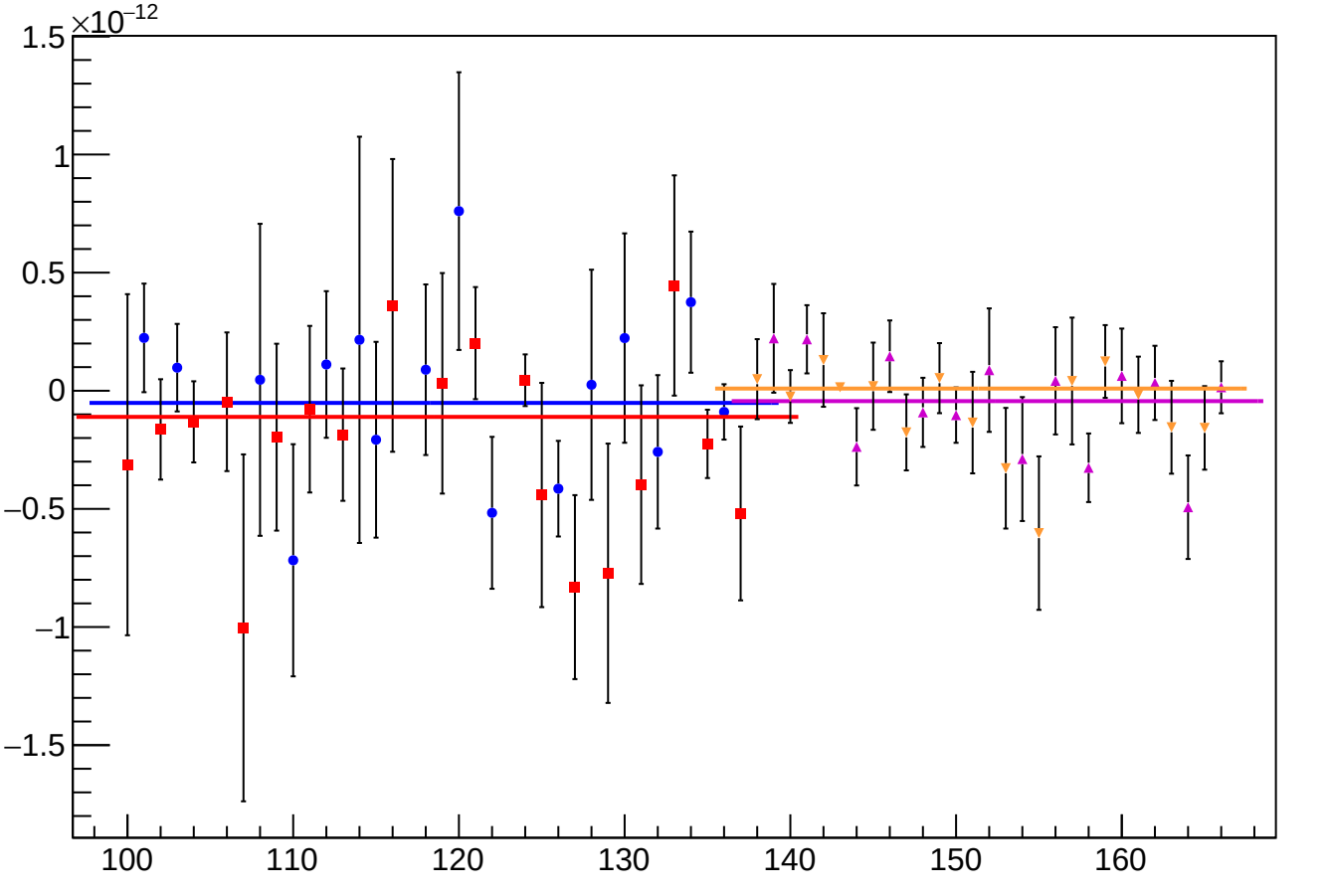
Left: 673.232+/-0.103 χ^2/NDF: 1558942.5/27

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 313.580+/-0.060 χ^2/NDF:8891854.7/29

Out: 293.951+/-0.059 χ^2/NDF:9643124.2/31

All: 303.541+/-0.042 χ^2/NDF: 18589637.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/13

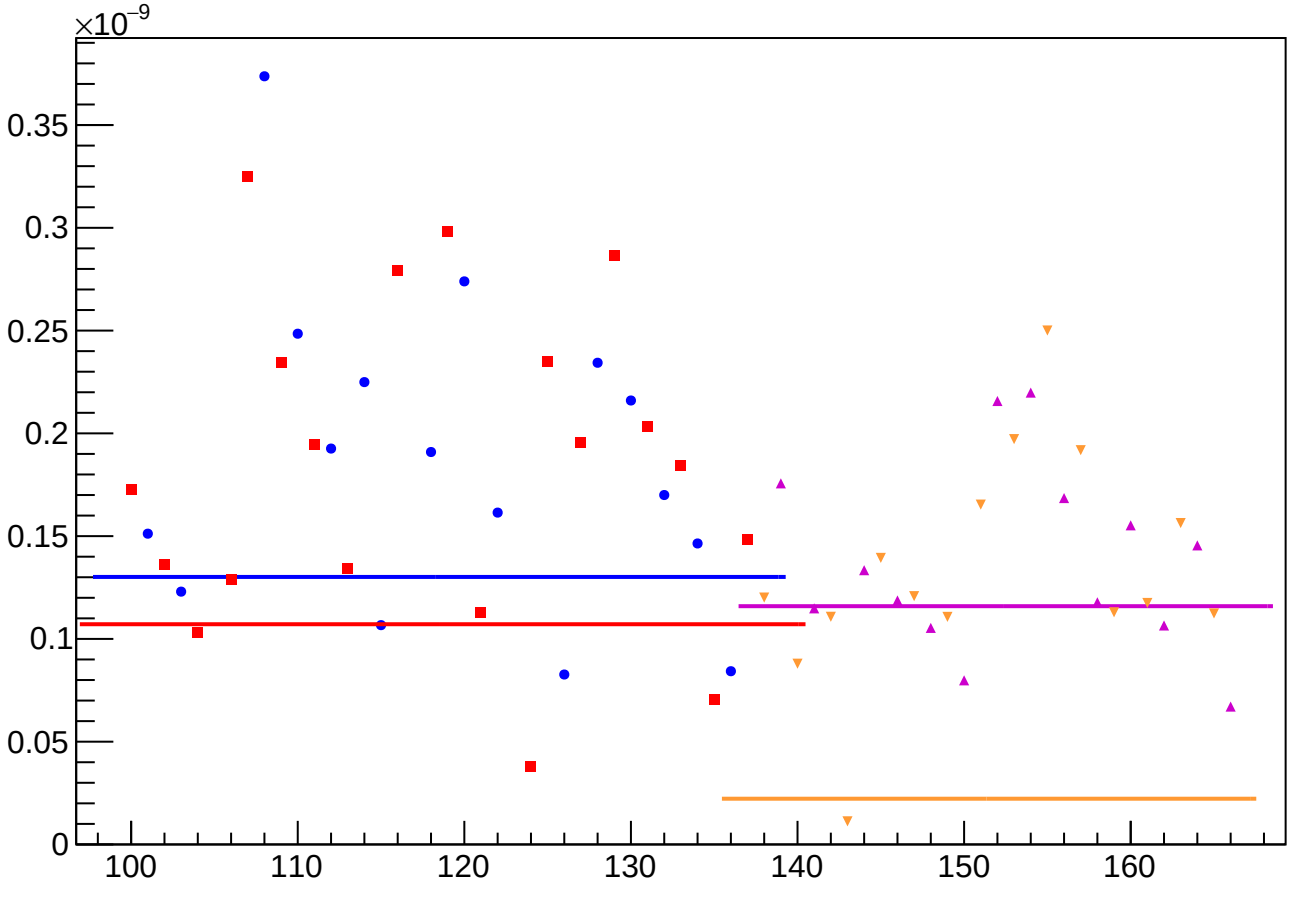
Left: 0.000+/-0.000 χ^2/NDF: 29.3/28

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:32.8/29

Out: 0.000+/-0.000 χ^2/NDF:29.2/33

All: -0.000+/-0.000 χ^2/NDF: 63.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11495452.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1586507.0/13

Left: 0.000+/-0.000 χ^2/NDF: 21462208.7/28

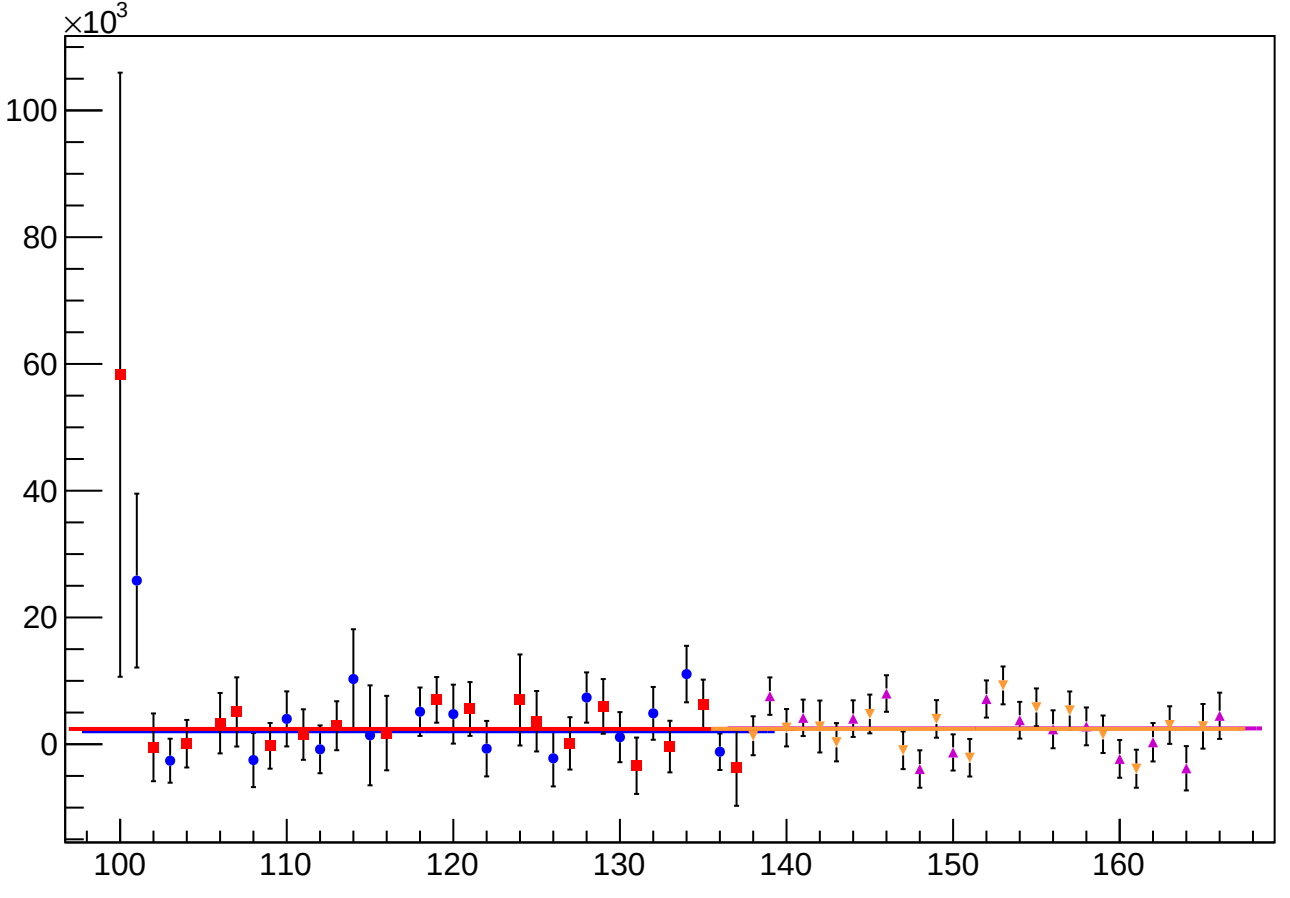
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2983734.6/29

Out: 0.000+/-0.000 χ^2/NDF:18047835.6/33

All: 0.000+/-0.000 χ^2/NDF: 32294628.3/63

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2428.977+/-792.015 χ^2/NDF:17.2/14

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2498.182+/-802.964 χ^2/NDF:23.1/13

Left: 2463.104+/-563.870 χ^2/NDF: 40.3/28

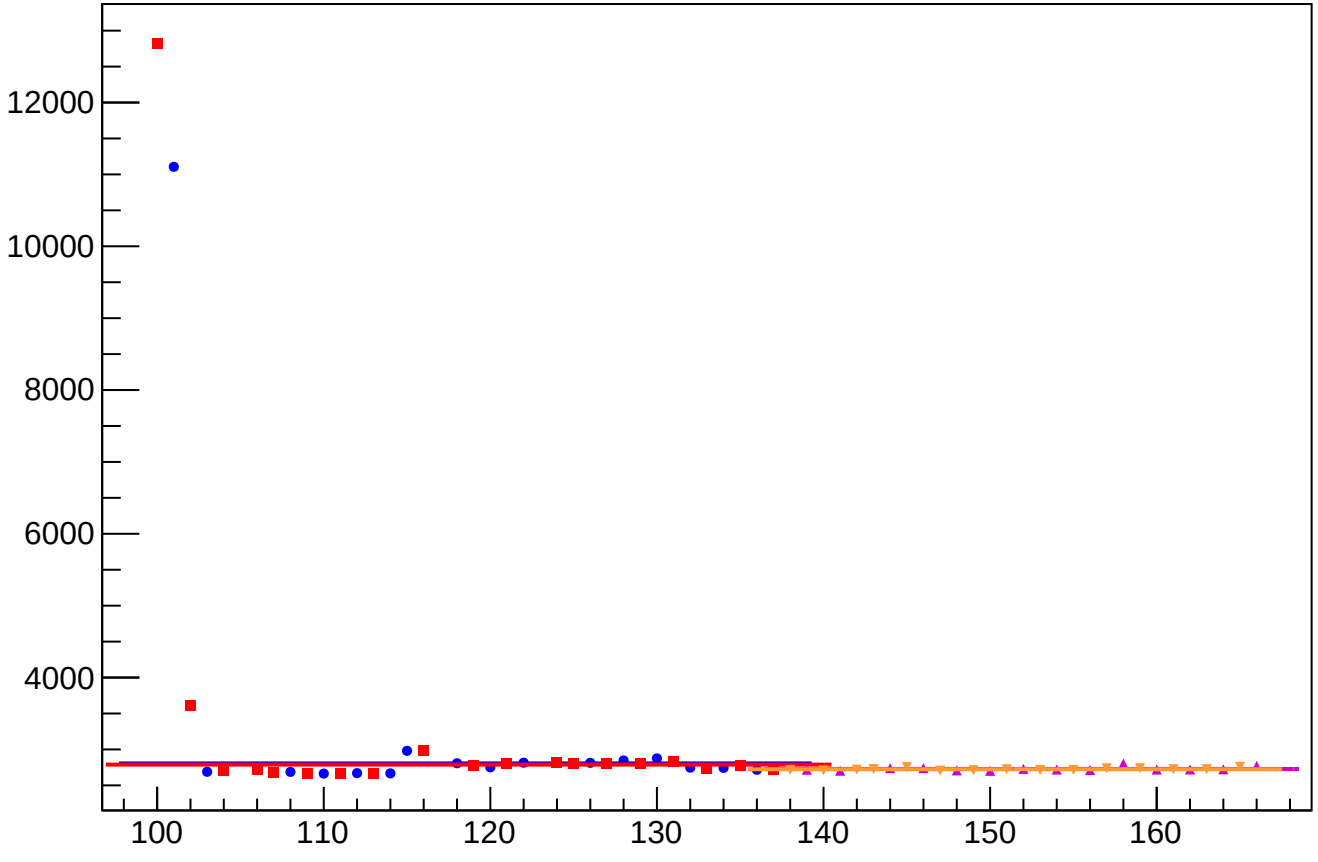
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2336.611+/-642.323 χ^2/NDF:41.0/29

Out: 2422.658+/-629.089 χ^2/NDF:28.0/33

All: 2380.530+/-449.439 χ^2/NDF: 69.0/63

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

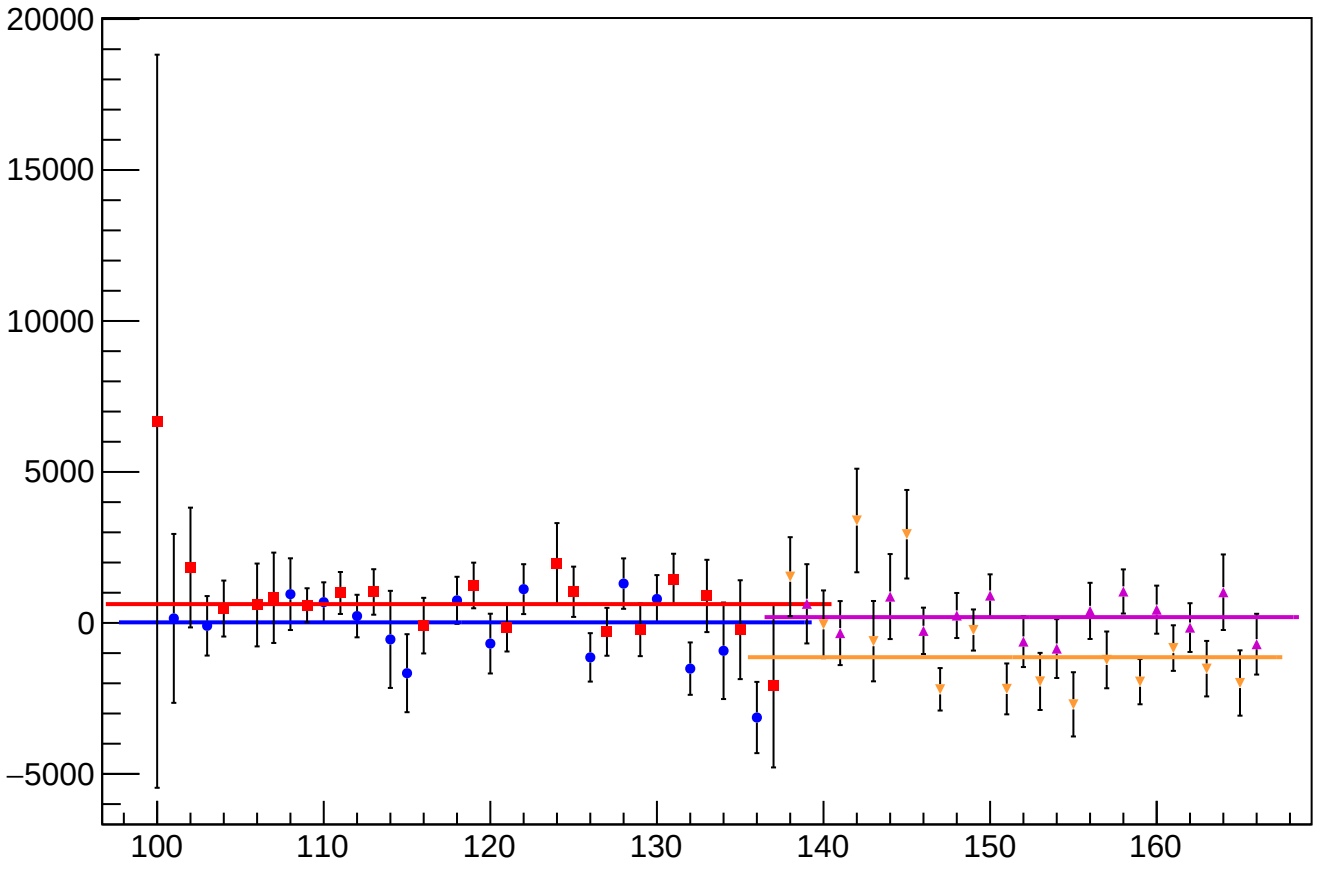
Left: 2726.252+/-0.399 χ^2/NDF: 2860.4/28

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.243+/-0.454 χ^2/NDF:754967.2/29

Out: 2747.933+/-0.445 χ^2/NDF:152646.4/33

All: 2752.002+/-0.318 χ^2/NDF: 907784.5/63



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1135.275+/-242.204 χ^2/NDF:30.5/14

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 191.957+/-237.665 χ^2/NDF:6.9/13

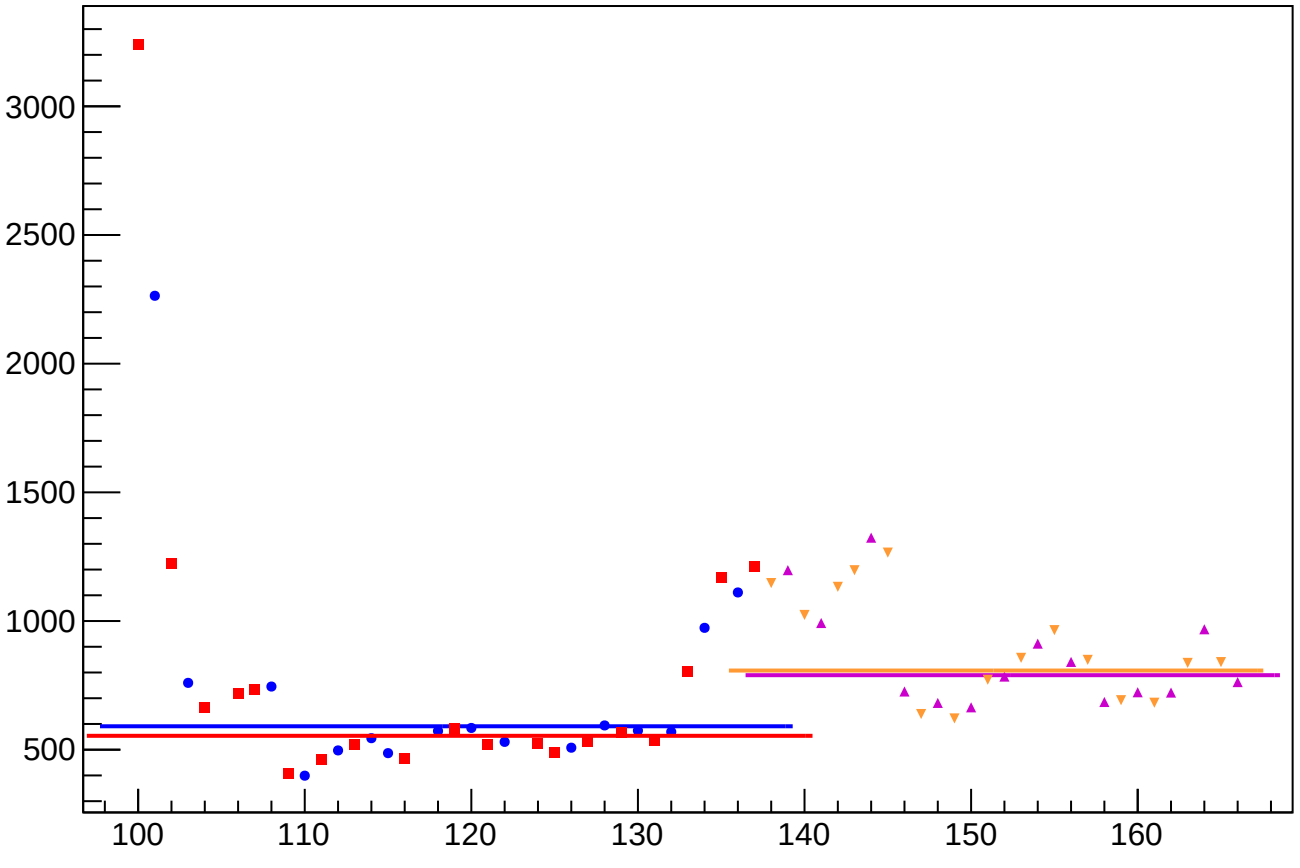
Left: -459.106+/-169.636 χ^2/NDF: 52.8/28

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 103.934+/-166.556 χ^2/NDF:30.0/29

Out: -155.645+/-161.185 χ^2/NDF:69.2/33

All: -30.109+/-115.827 χ^2/NDF: 100.4/63



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 807.604+/-0.171 χ^2/NDF:1075644.1/14

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 789.563+/-0.168 χ^2/NDF:821461.4/13

Left: 798.413+/-0.120 χ^2/NDF: 1902758.6/28

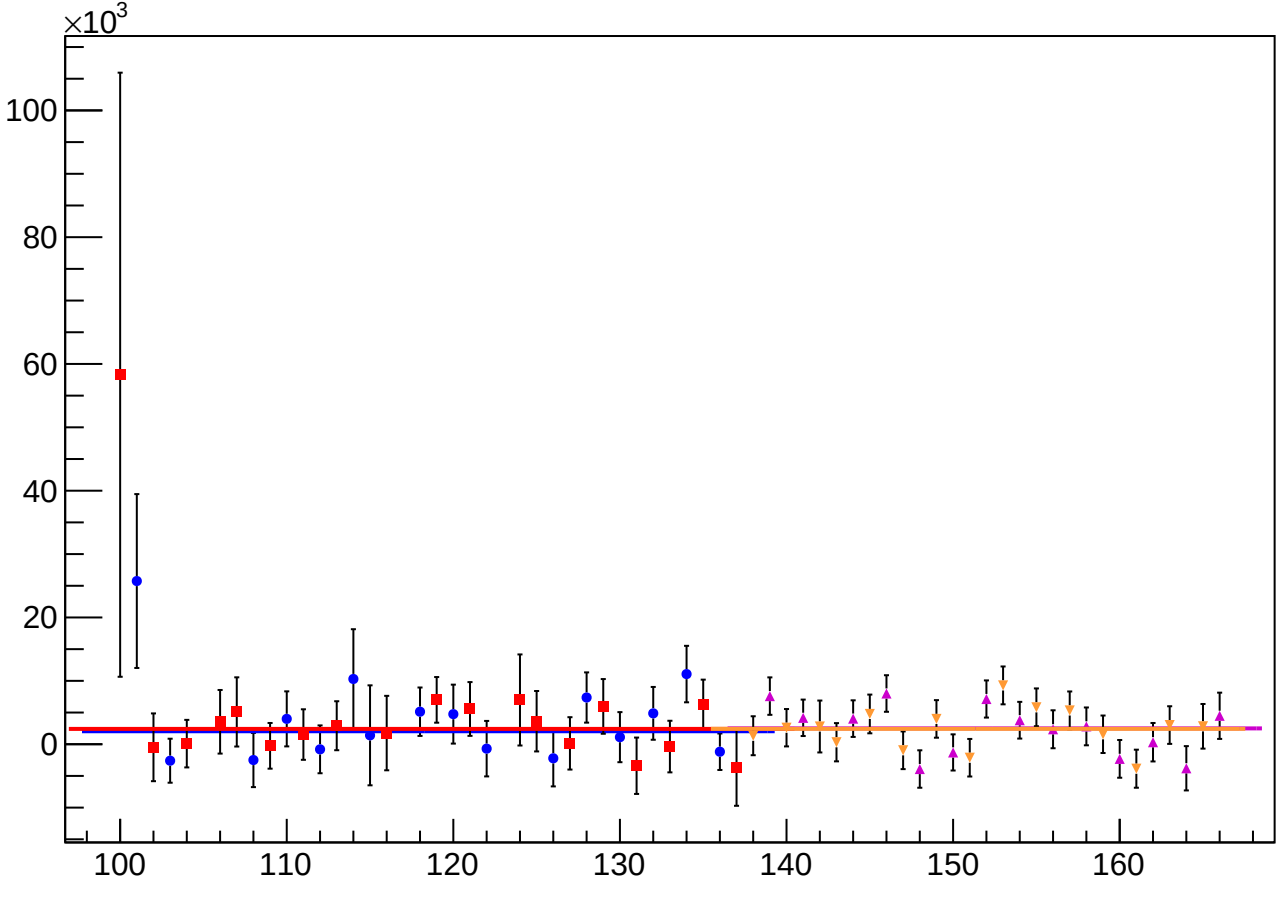
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 688.540+/-0.118 χ^2/NDF:3099239.5/29

Out: 666.306+/-0.114 χ^2/NDF:3414334.7/33

All: 677.059+/-0.082 χ^2/NDF: 6531978.7/63

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2498.235+/-802.964 χ^2/NDF:23.1/13

Left: 2463.150+/-563.870 χ^2/NDF: 40.3/28

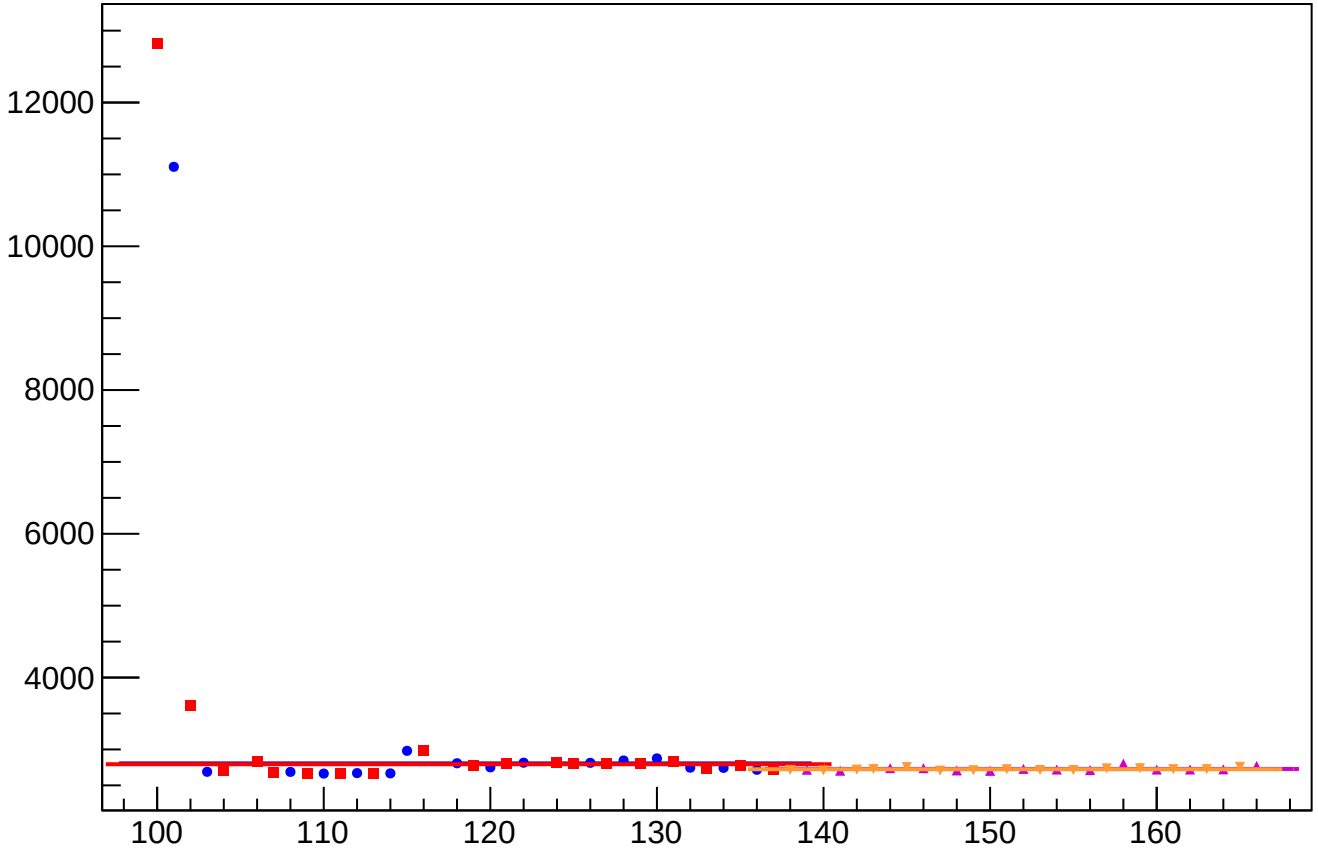
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2336.354+/-642.323 χ^2/NDF:41.0/29

Out: 2424.929+/-629.623 χ^2/NDF:28.0/33

All: 2381.526+/-449.634 χ^2/NDF: 69.0/63

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

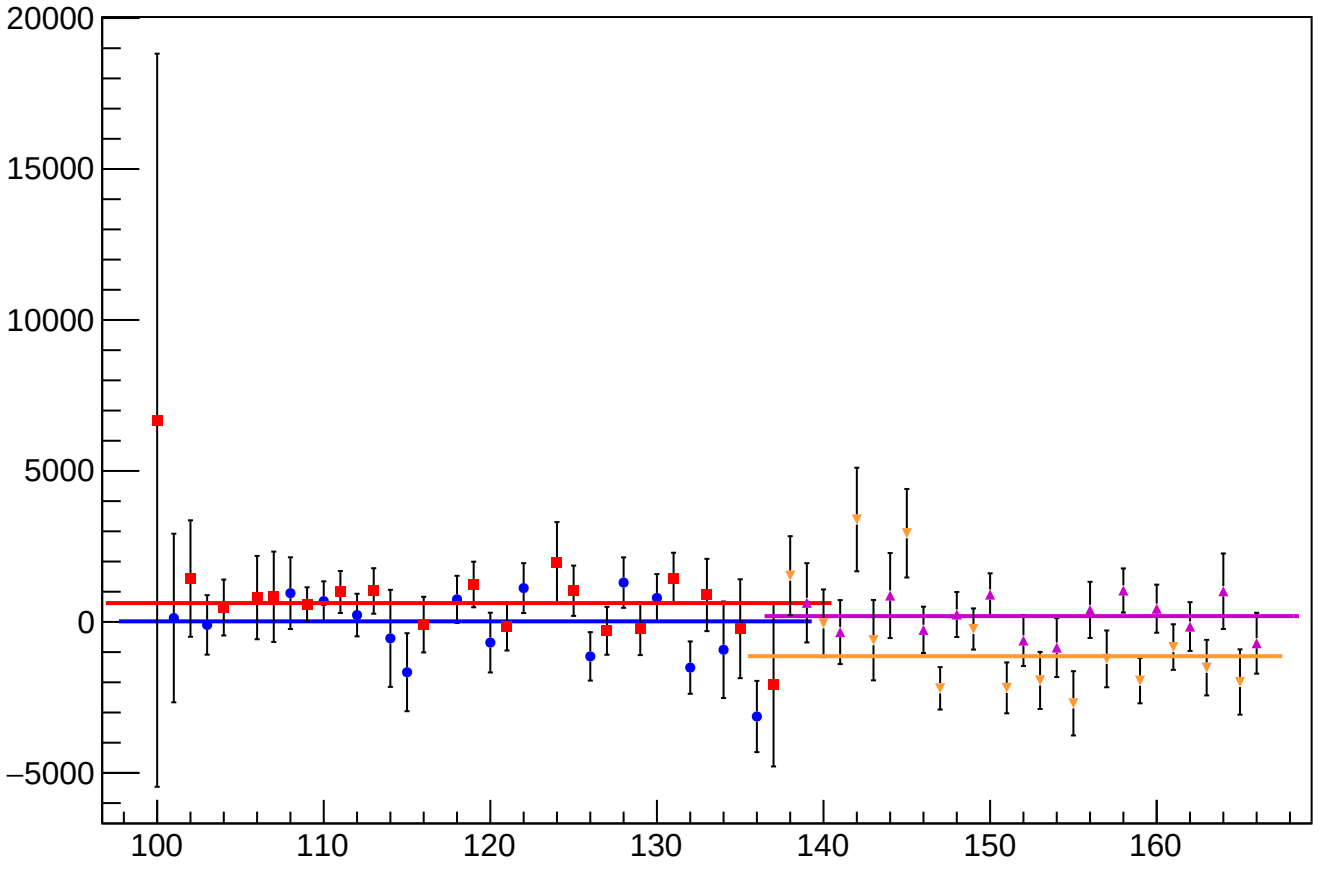
Left: 2726.252+/-0.399 χ^2/NDF: 2860.4/28

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.243+/-0.454 χ^2/NDF:754966.3/29

Out: 2749.828+/-0.445 χ^2/NDF:153223.2/33

All: 2752.971+/-0.318 χ^2/NDF: 908291.2/63



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1135.163+/-242.203 χ^2/NDF:30.5/14

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 192.028+/-237.664 χ^2/NDF:6.9/13

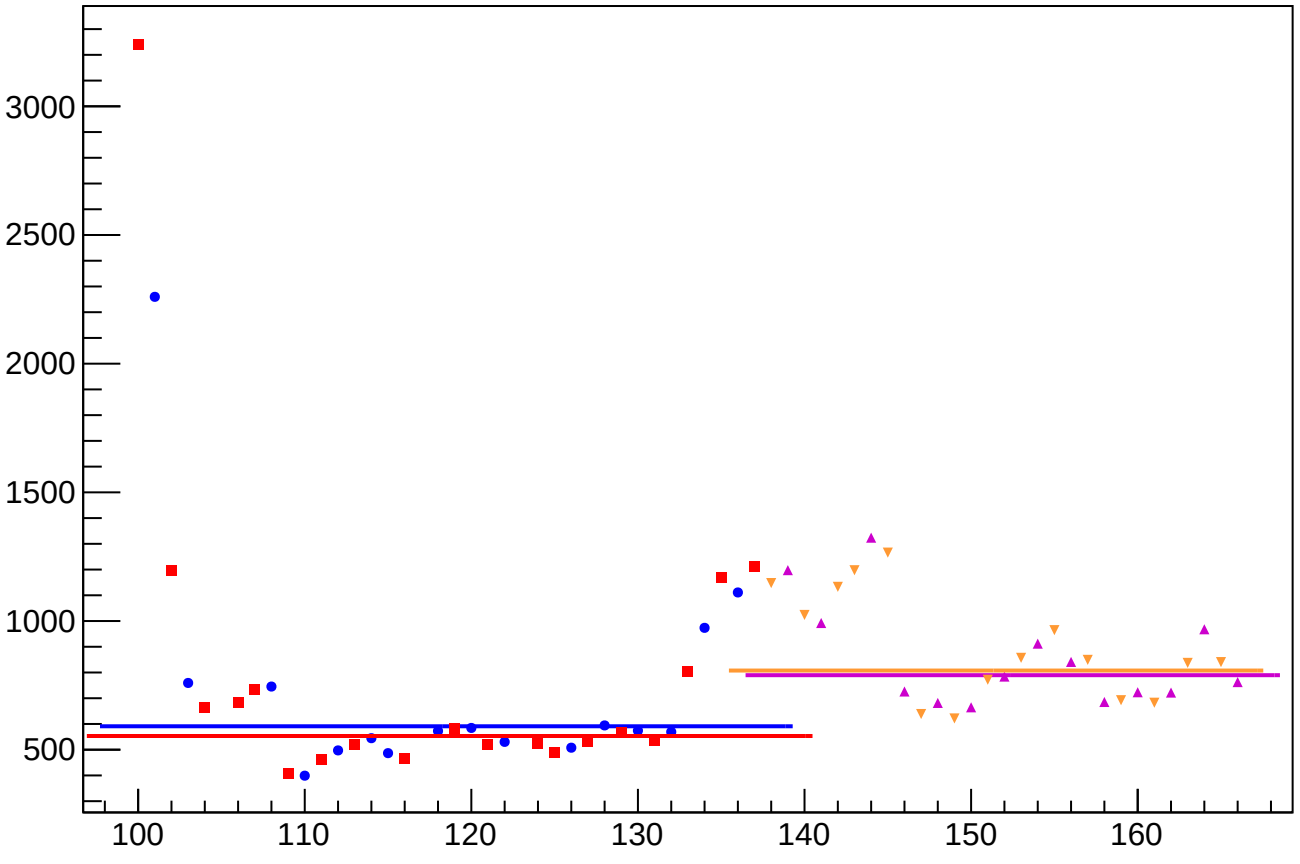
Left: -459.013+/-169.636 χ^2/NDF: 52.8/28

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 103.944+/-166.552 χ^2/NDF:30.0/29

Out: -154.792+/-161.165 χ^2/NDF:69.0/33

All: -29.676+/-115.818 χ^2/NDF: 100.3/63



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 789.558+/-0.168 χ^2/NDF:821442.7/13

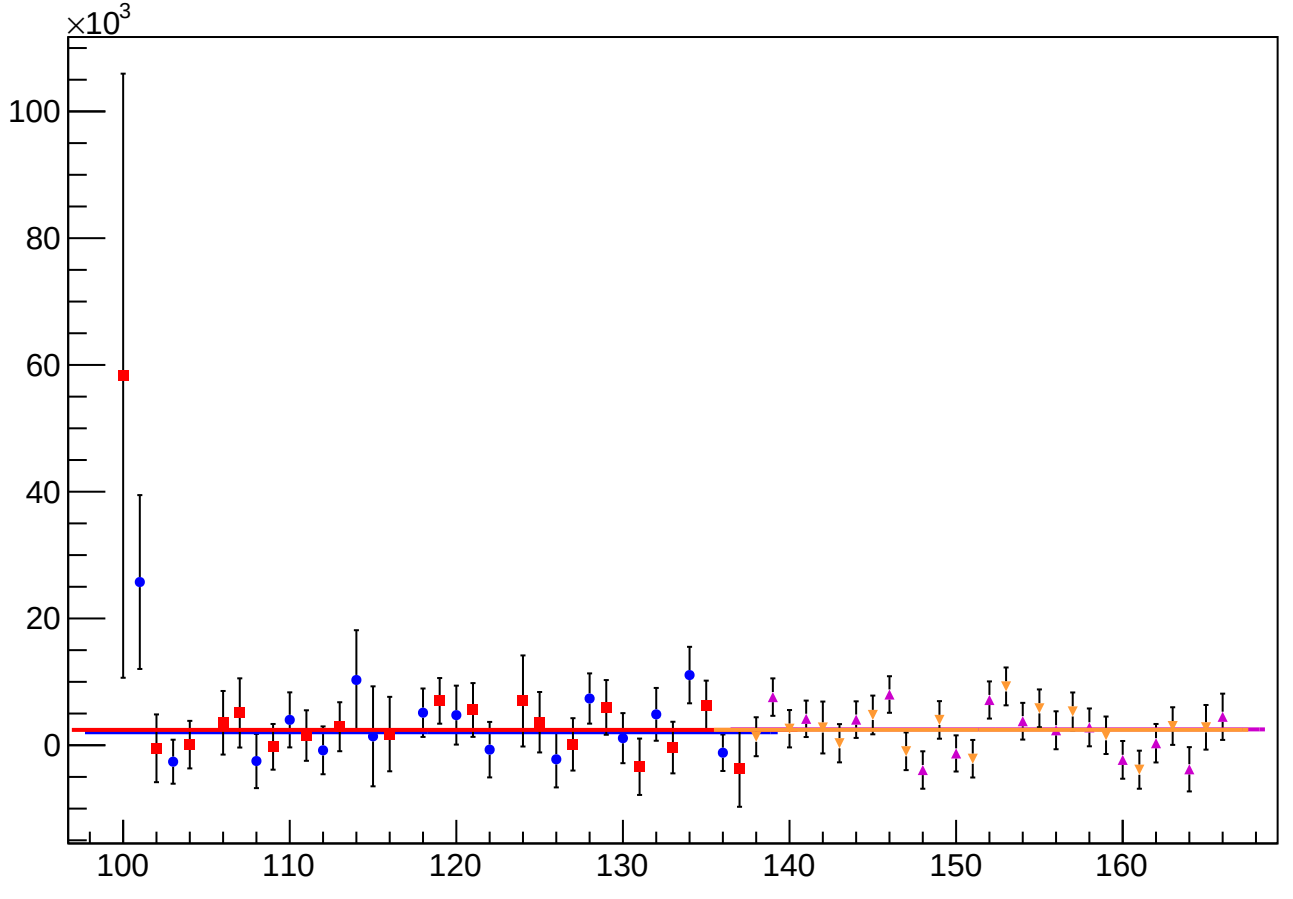
Left: 798.409+/-0.120 χ^2/NDF: 1902755.2/28

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 688.533+/-0.118 χ^2/NDF:3098210.7/29

Out: 665.861+/-0.114 χ^2/NDF:3406520.5/33

All: 676.824+/-0.082 χ^2/NDF: 6523870.4/63



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2498.235+/-802.964 χ^2/NDF:23.1/13

Left: 2463.150+/-563.870 χ^2/NDF: 40.3/28

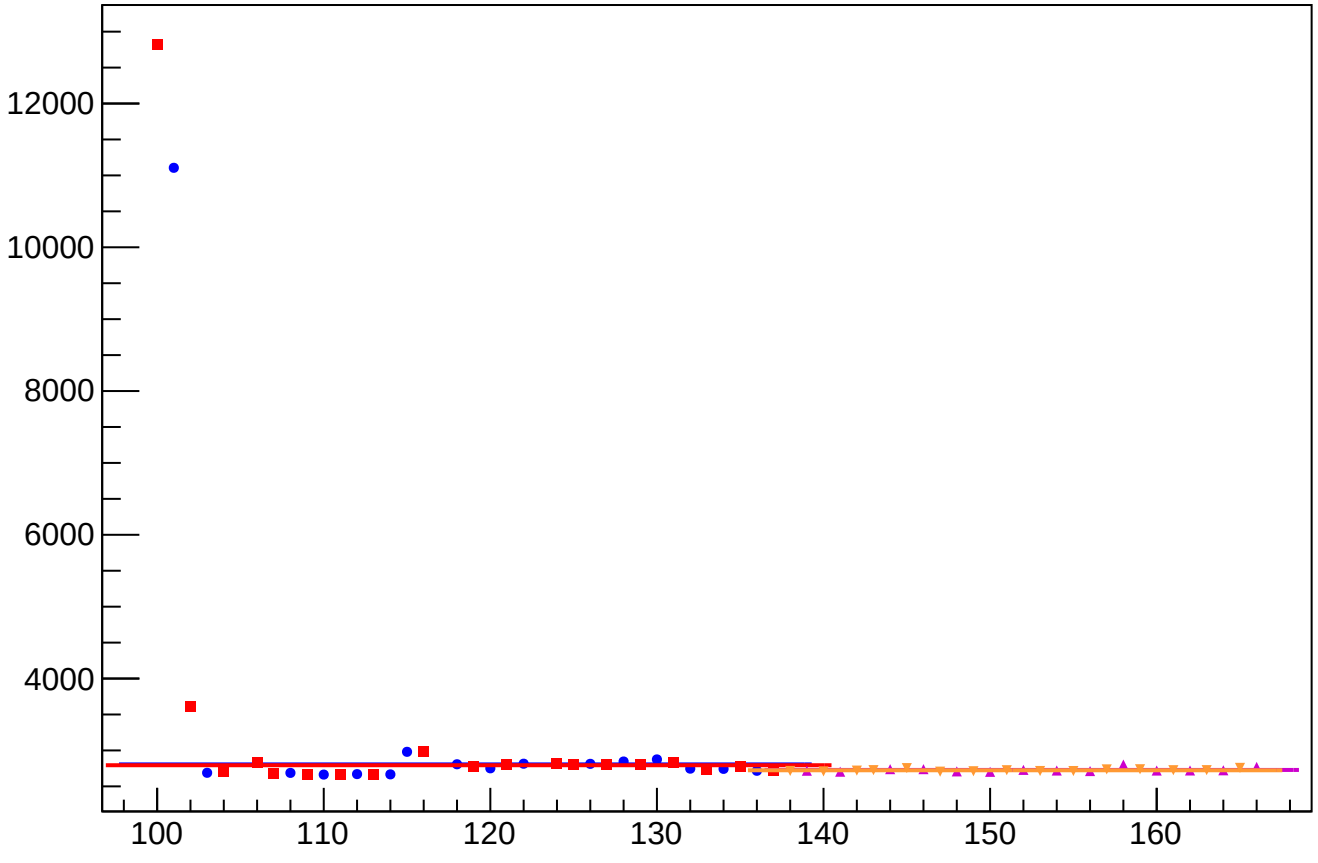
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2336.354+/-642.323 χ^2/NDF:41.0/29

Out: 2424.929+/-629.623 χ^2/NDF:28.0/33

All: 2381.526+/-449.634 χ^2/NDF: 69.0/63

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2728.555+/-0.568 χ^2/NDF:2122.7/13

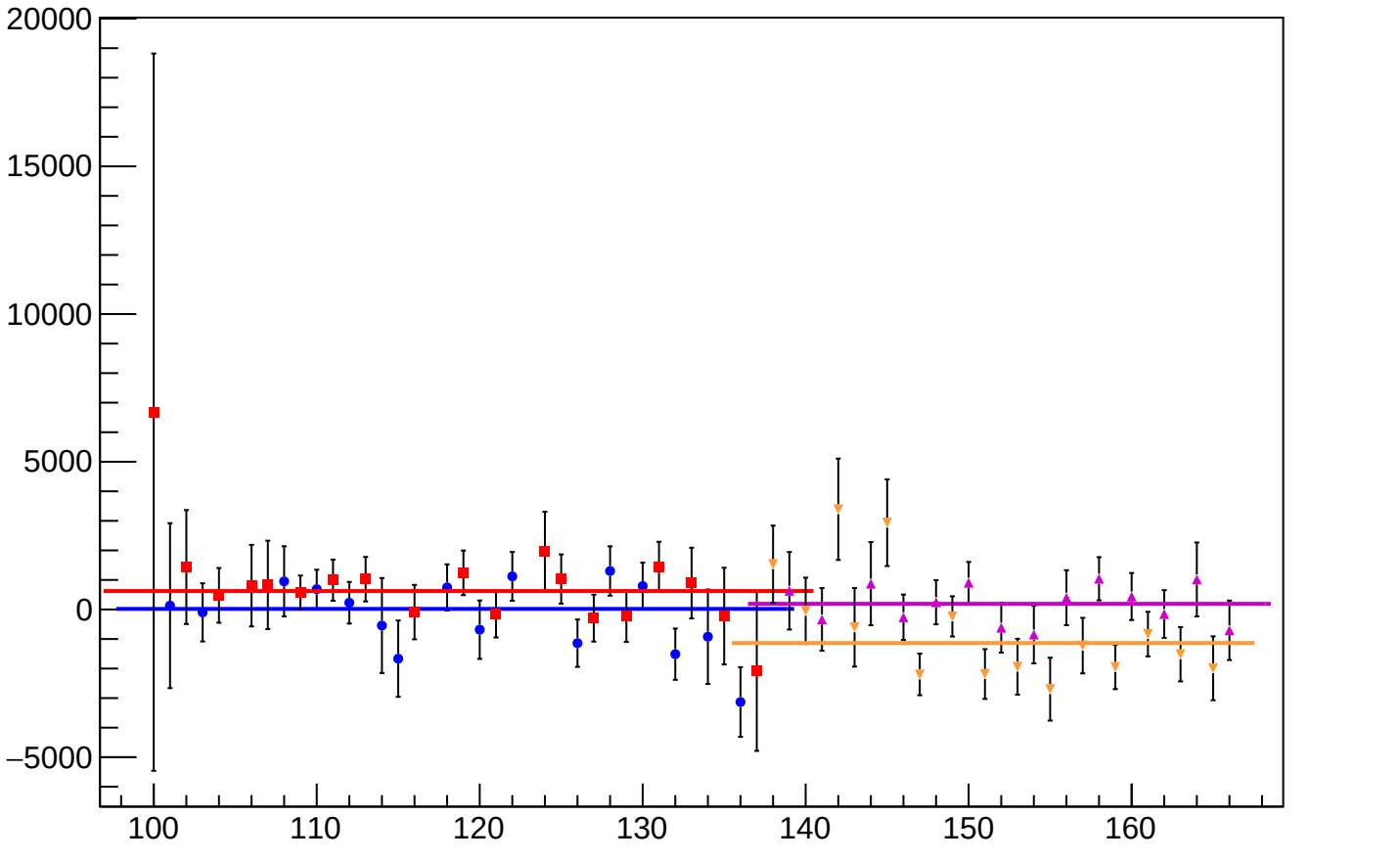
Left: 2726.252+/-0.399 χ^2/NDF: 2860.4/28

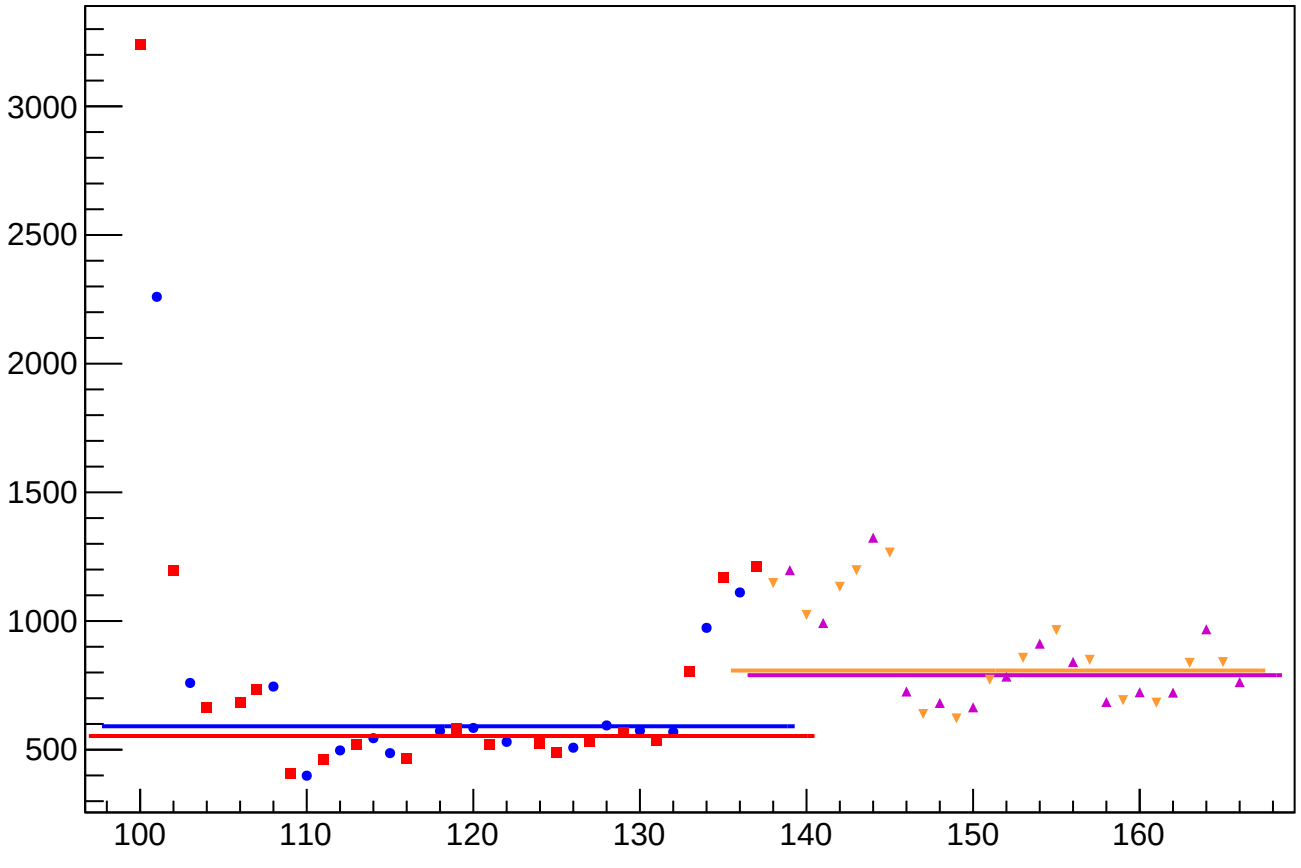
Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.243+/-0.454 χ^2/NDF:754966.3/29

Out: 2749.828+/-0.445 χ^2/NDF:153223.2/33

All: 2752.971+/-0.318 χ^2/NDF: 908291.2/63


asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: 18.940+/-233.471 χ²/NDF: 22.8/15
Left Out: -1135.163+/-242.203 χ²/NDF:30.5/14
Right Out: 624.217+/-215.902 χ²/NDF: 9.1/18
Left In: 192.028+/-237.664 χ²/NDF:6.9/13
Left: -459.013+/-169.636 χ²/NDF: 52.8/28
Right: 345.208+/-158.513 χ²/NDF: 35.5/34
In: 103.944+/-166.552 χ²/NDF:30.0/29
Out: -154.792+/-161.165 χ²/NDF:69.0/33
All: -29.676+/-115.818 χ²/NDF: 100.3/63



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Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 789.558+/-0.168 χ^2/NDF:821442.7/13

Left: 798.409+/-0.120 χ^2/NDF: 1902755.2/28

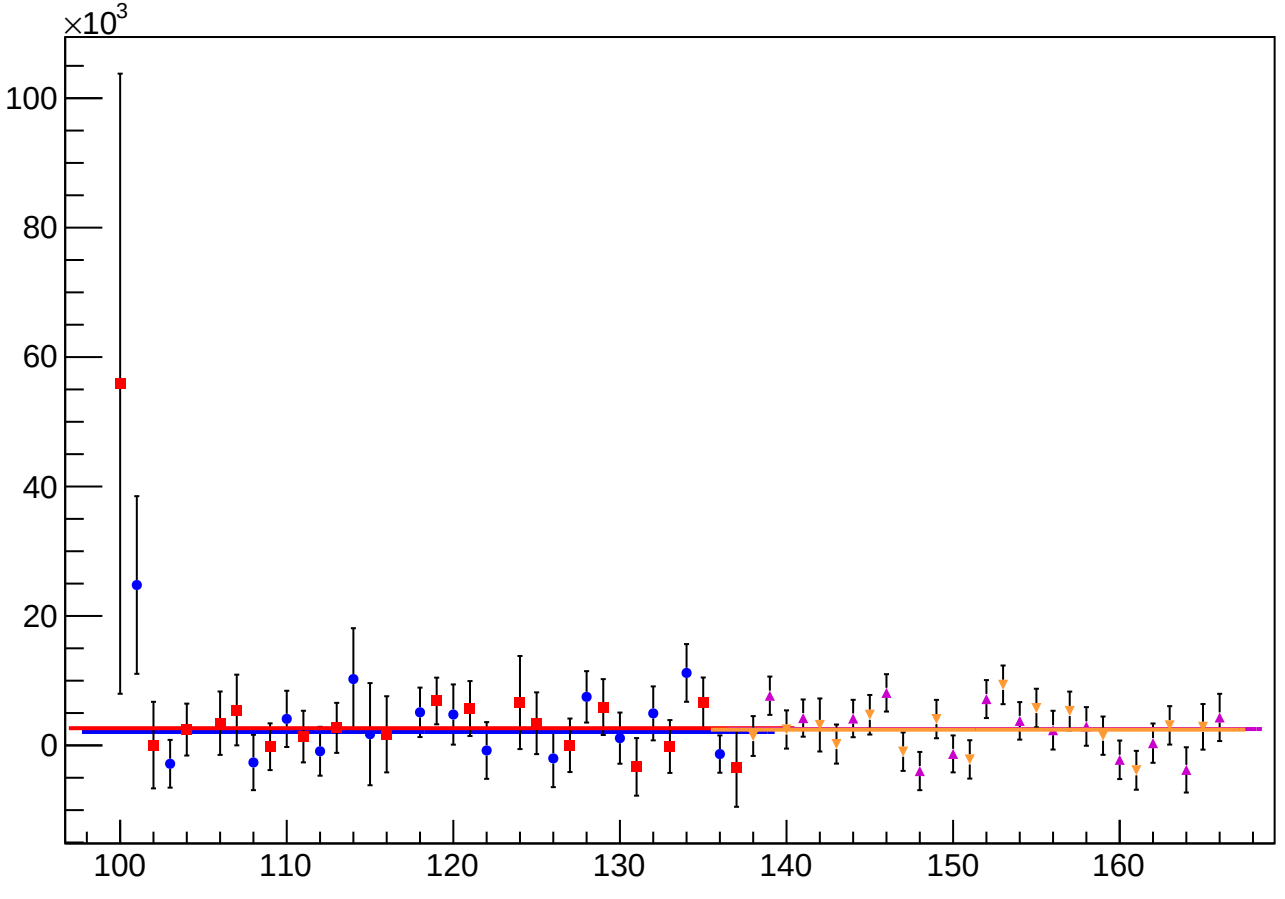
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 688.533+/-0.118 χ^2/NDF:3098210.7/29

Out: 665.861+/-0.114 χ^2/NDF:3406520.5/33

All: 676.824+/-0.082 χ^2/NDF: 6523870.4/63

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.733+/-792.570 χ^2/NDF:17.3/14

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2529.053+/-803.444 χ^2/NDF:23.3/13

Left: 2480.744+/-564.237 χ^2/NDF: 40.7/28

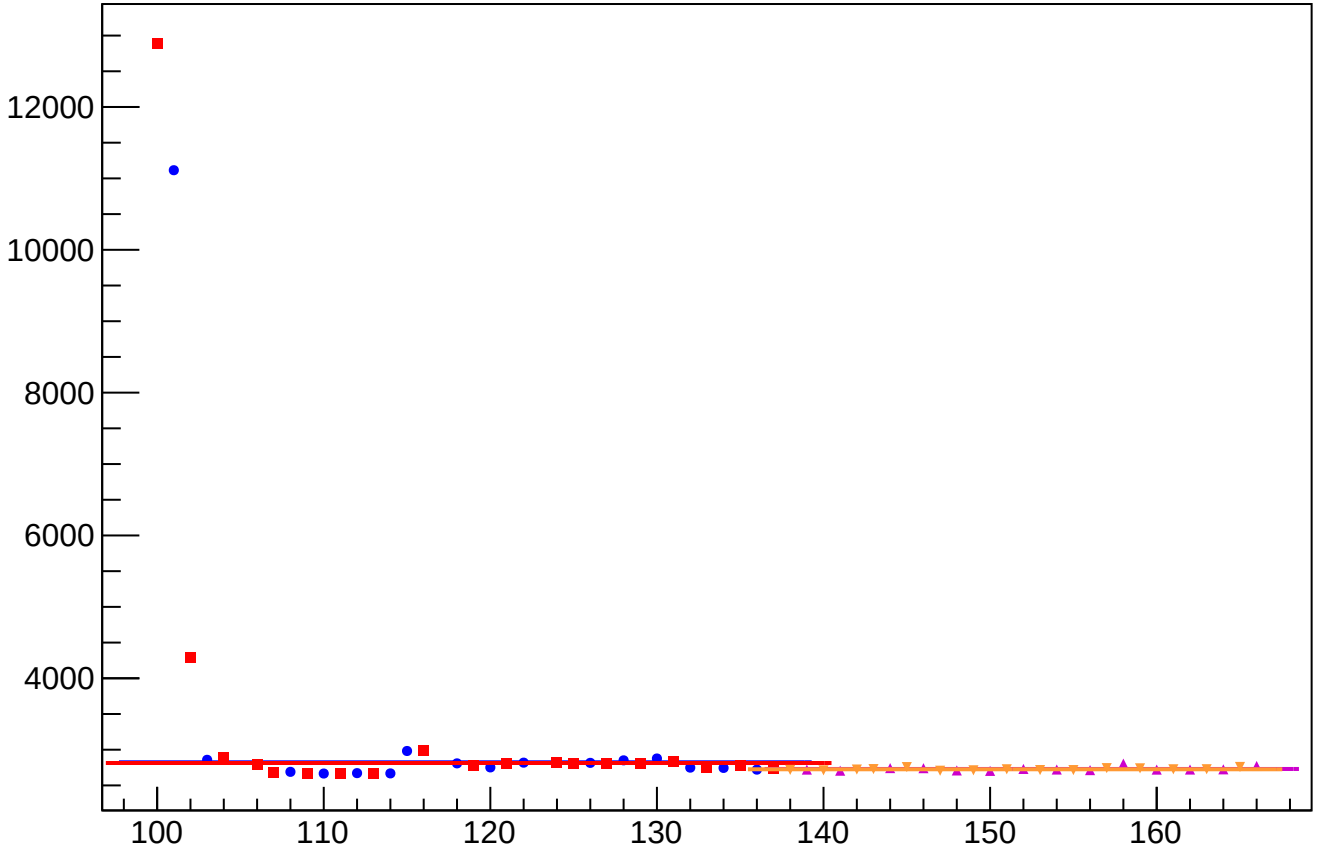
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2366.662+/-644.028 χ^2/NDF:41.3/29

Out: 2514.893+/-632.558 χ^2/NDF:27.3/33

All: 2442.109+/-451.287 χ^2/NDF: 68.7/63

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2730.176+/-0.568 χ^2/NDF:2136.9/13

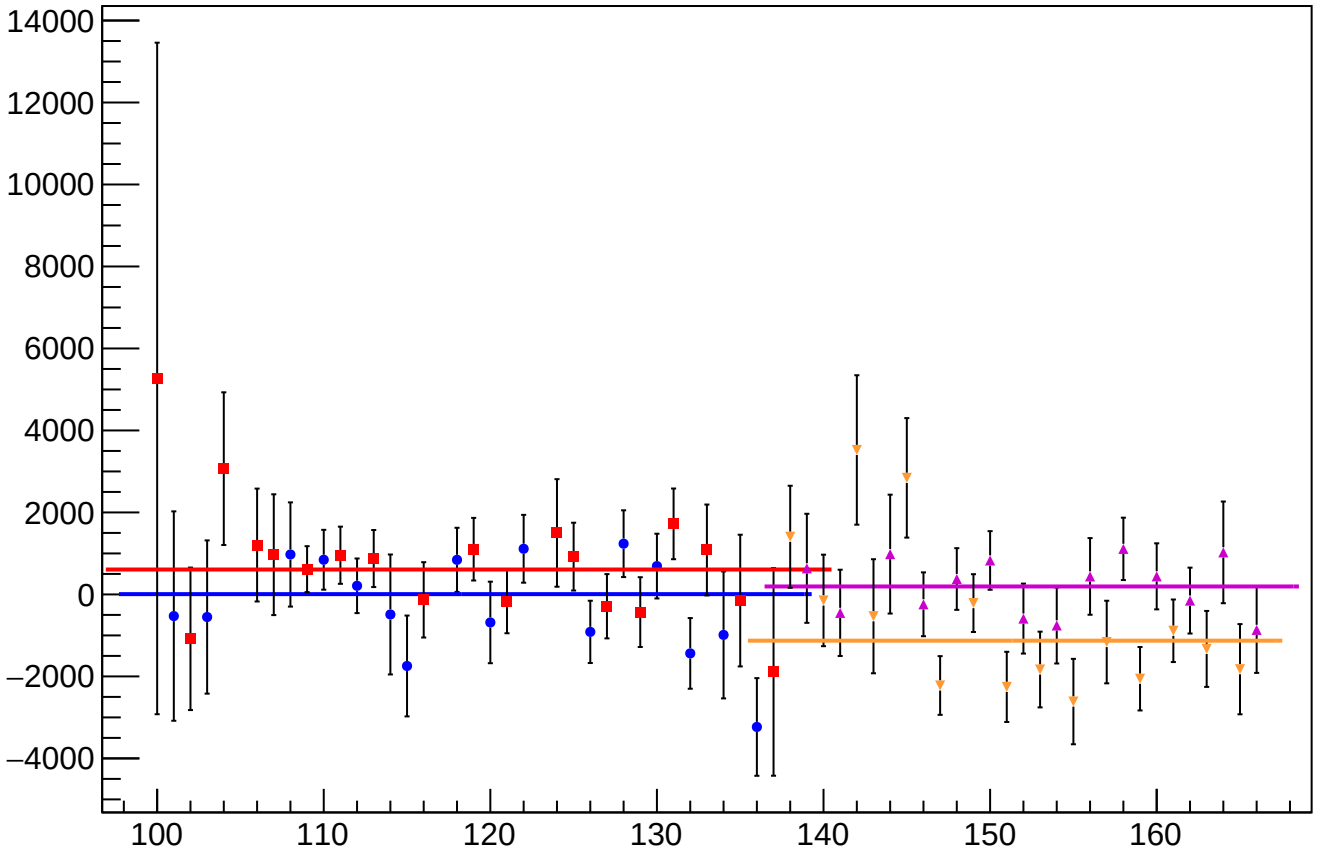
Left: 2728.016+/-0.399 χ^2/NDF: 2899.1/28

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.517+/-0.455 χ^2/NDF:755688.1/29

Out: 2757.827+/-0.447 χ^2/NDF:210177.1/33

All: 2760.621+/-0.319 χ^2/NDF: 965944.7/63



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1128.108+/-246.016 χ^2/NDF:29.4/14

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 194.172+/-239.928 χ^2/NDF:7.1/13

Left: -450.405+/-171.767 χ^2/NDF: 51.3/28

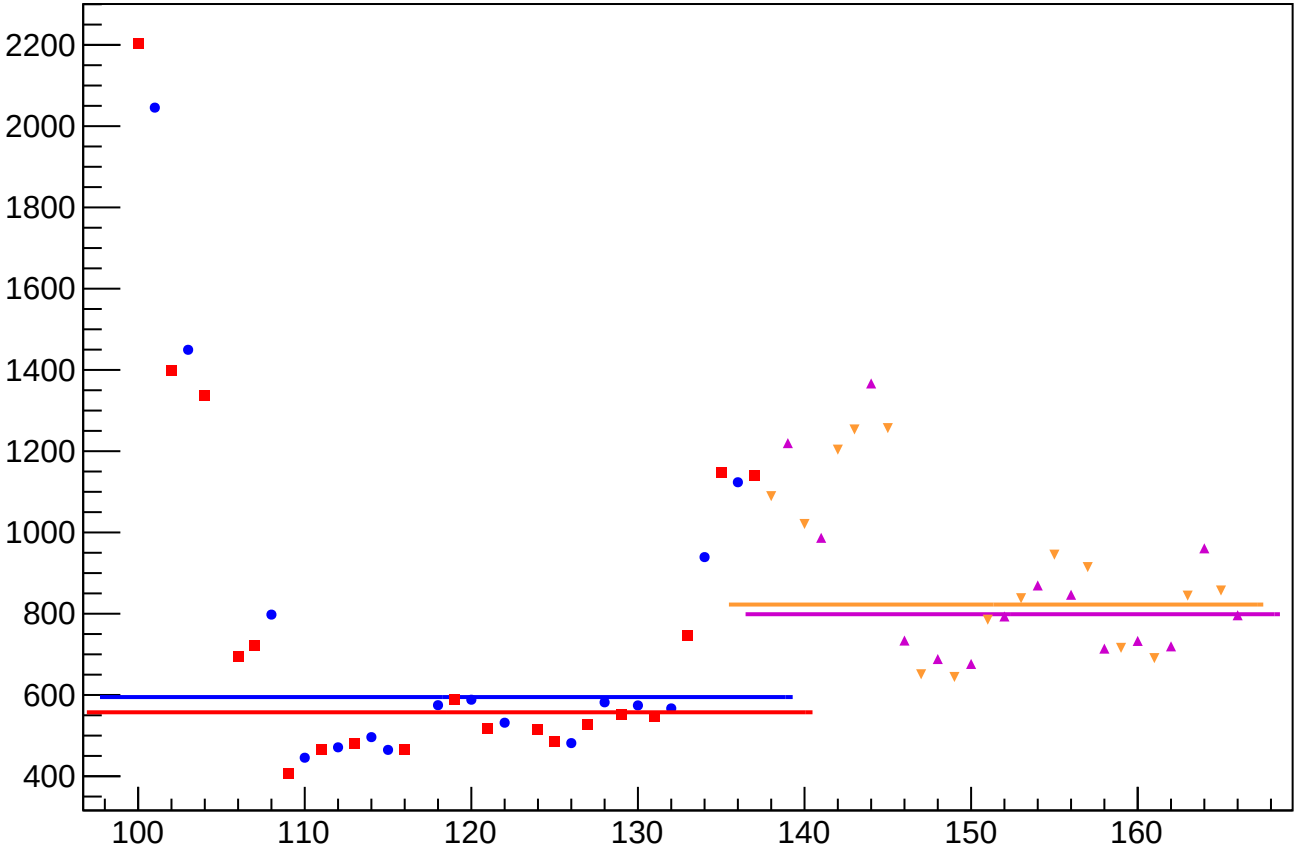
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 99.641+/-168.774 χ^2/NDF:30.2/29

Out: -152.250+/-162.778 χ^2/NDF:69.5/33

All: -30.858+/-117.164 χ^2/NDF: 100.9/63

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004310.1/14

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 798.758+/-0.170 χ^2/NDF:795234.9/13

Left: 810.363+/-0.121 χ^2/NDF: 1809143.2/28

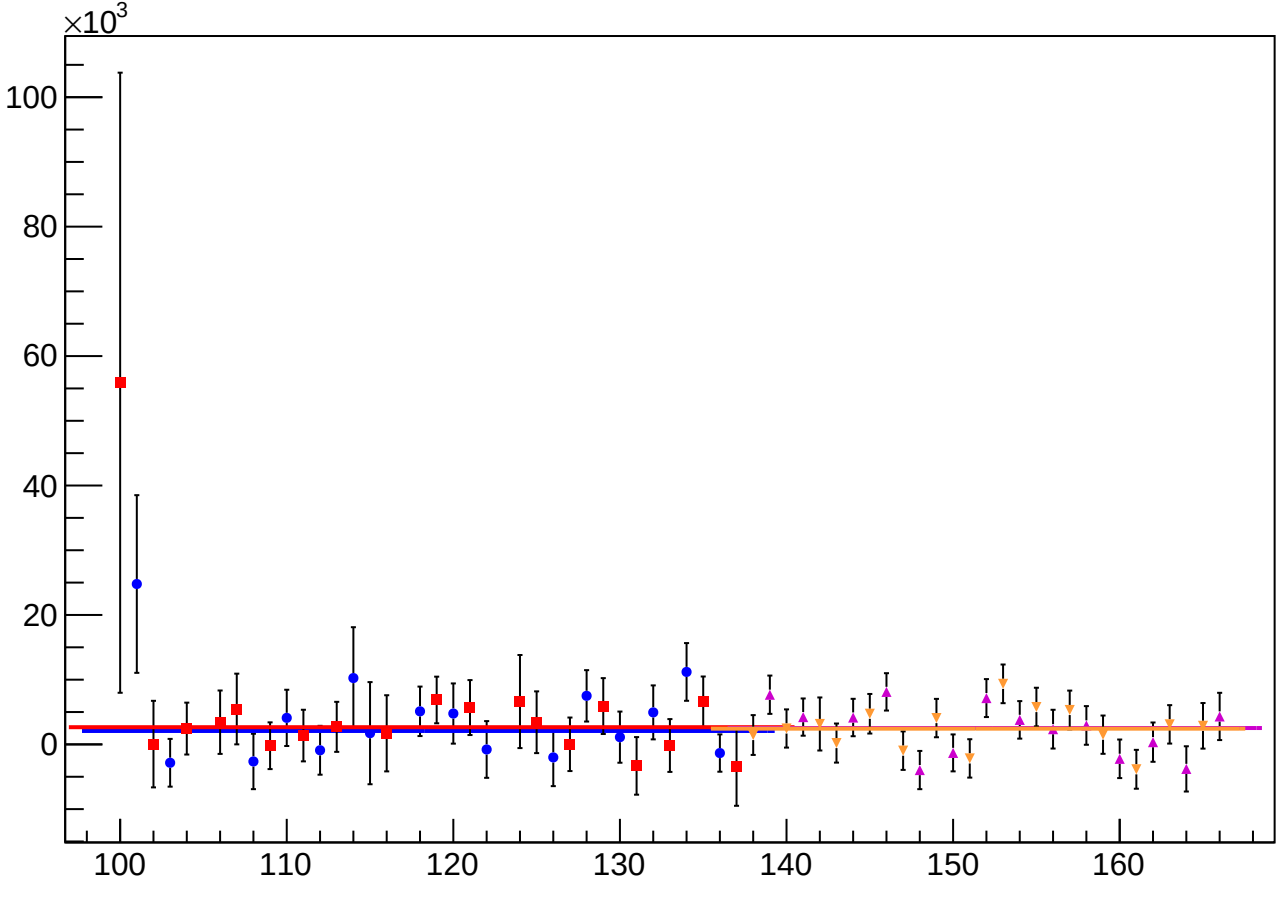
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 695.752+/-0.119 χ^2/NDF:3377603.8/29

Out: 673.485+/-0.115 χ^2/NDF:3941918.6/33

All: 684.216+/-0.083 χ^2/NDF: 7337558.9/63

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.734+/-792.570 χ^2/NDF:17.3/14

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2529.053+/-803.444 χ^2/NDF:23.3/13

Left: 2480.744+/-564.237 χ^2/NDF: 40.7/28

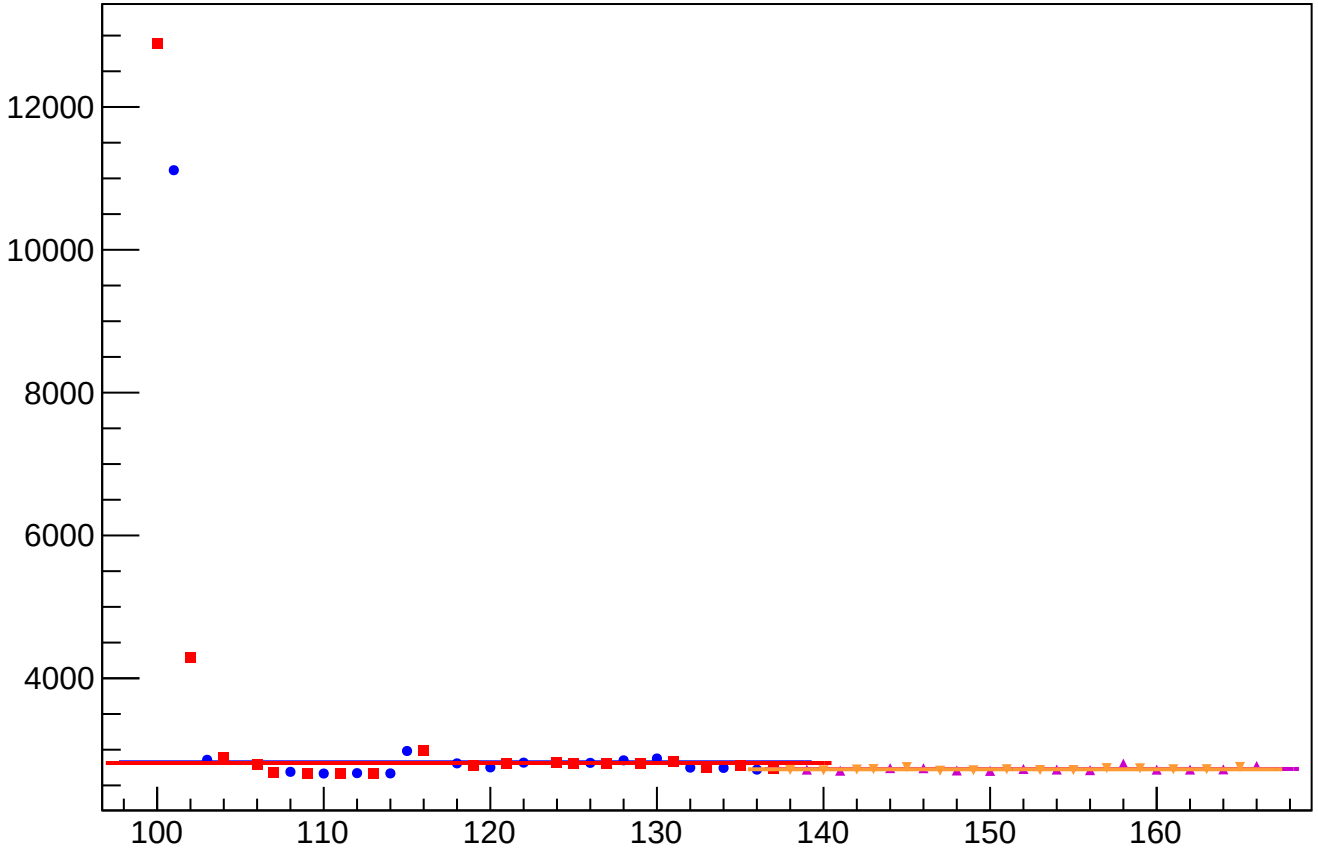
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2366.662+/-644.028 χ^2/NDF:41.3/29

Out: 2514.893+/-632.558 χ^2/NDF:27.3/33

All: 2442.109+/-451.287 χ^2/NDF: 68.7/63

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



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Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2730.176+/-0.568 χ^2/NDF:2136.9/13

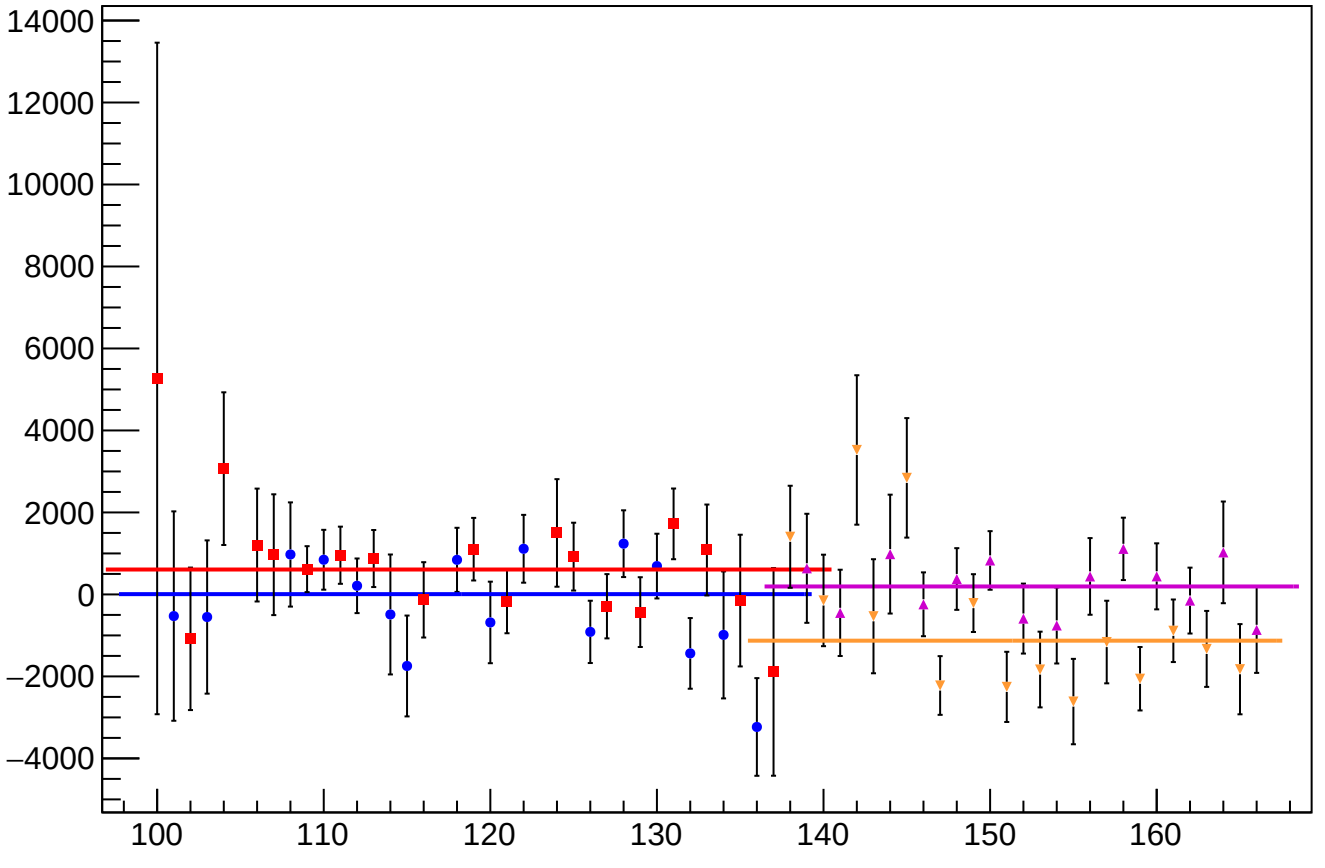
Left: 2728.016+/-0.399 χ^2/NDF: 2899.1/28

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.517+/-0.455 χ^2/NDF:755688.1/29

Out: 2757.827+/-0.447 χ^2/NDF:210176.9/33

All: 2760.621+/-0.319 χ^2/NDF: 965944.4/63



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1128.109+/-246.016 χ^2/NDF:29.4/14

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 194.172+/-239.928 χ^2/NDF:7.1/13

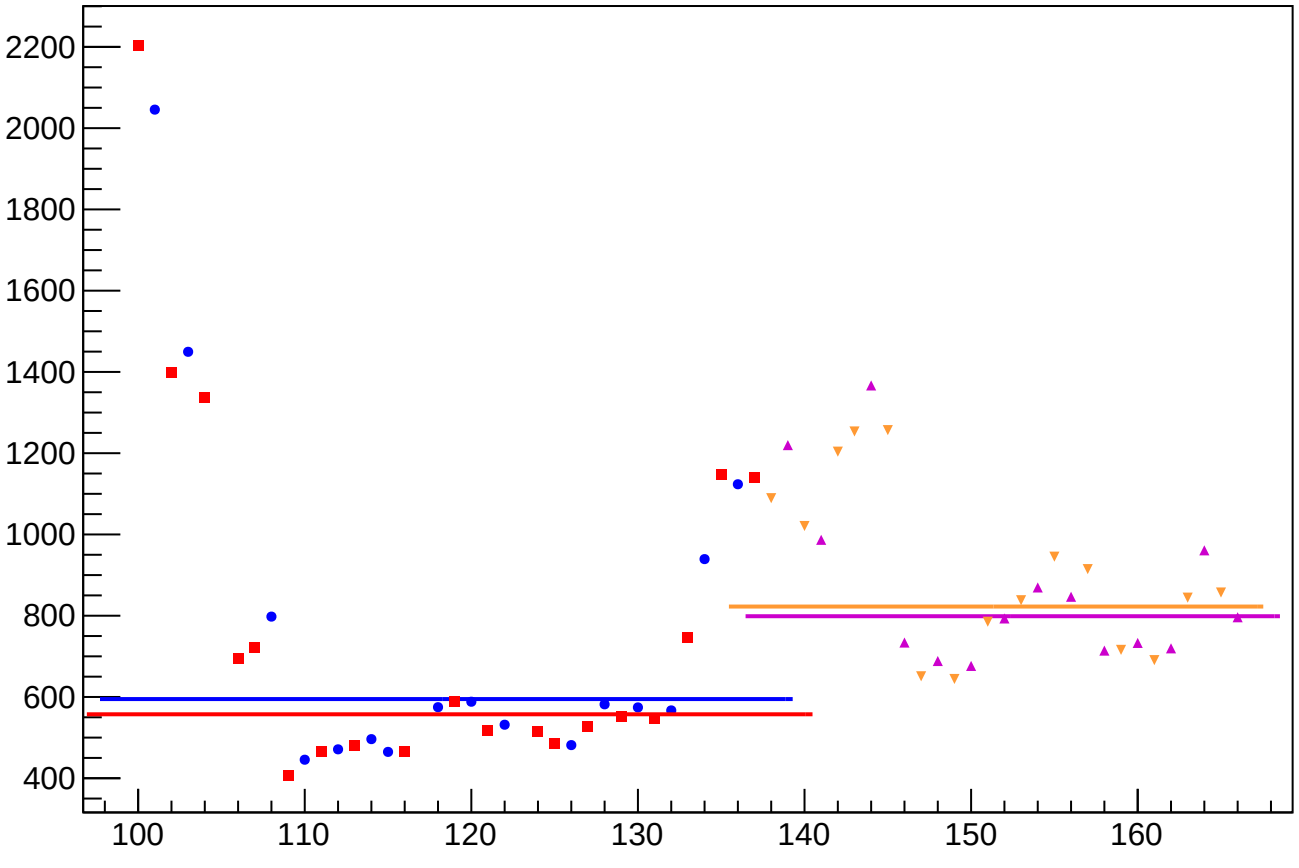
Left: -450.405+/-171.767 χ^2/NDF: 51.3/28

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 99.641+/-168.774 χ^2/NDF:30.2/29

Out: -152.250+/-162.778 χ^2/NDF:69.5/33

All: -30.858+/-117.164 χ^2/NDF: 100.9/63



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004312.1/14

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.758+/-0.170 χ^2/NDF:795237.0/13

Left: 810.363+/-0.121 χ^2/NDF: 1809147.4/28

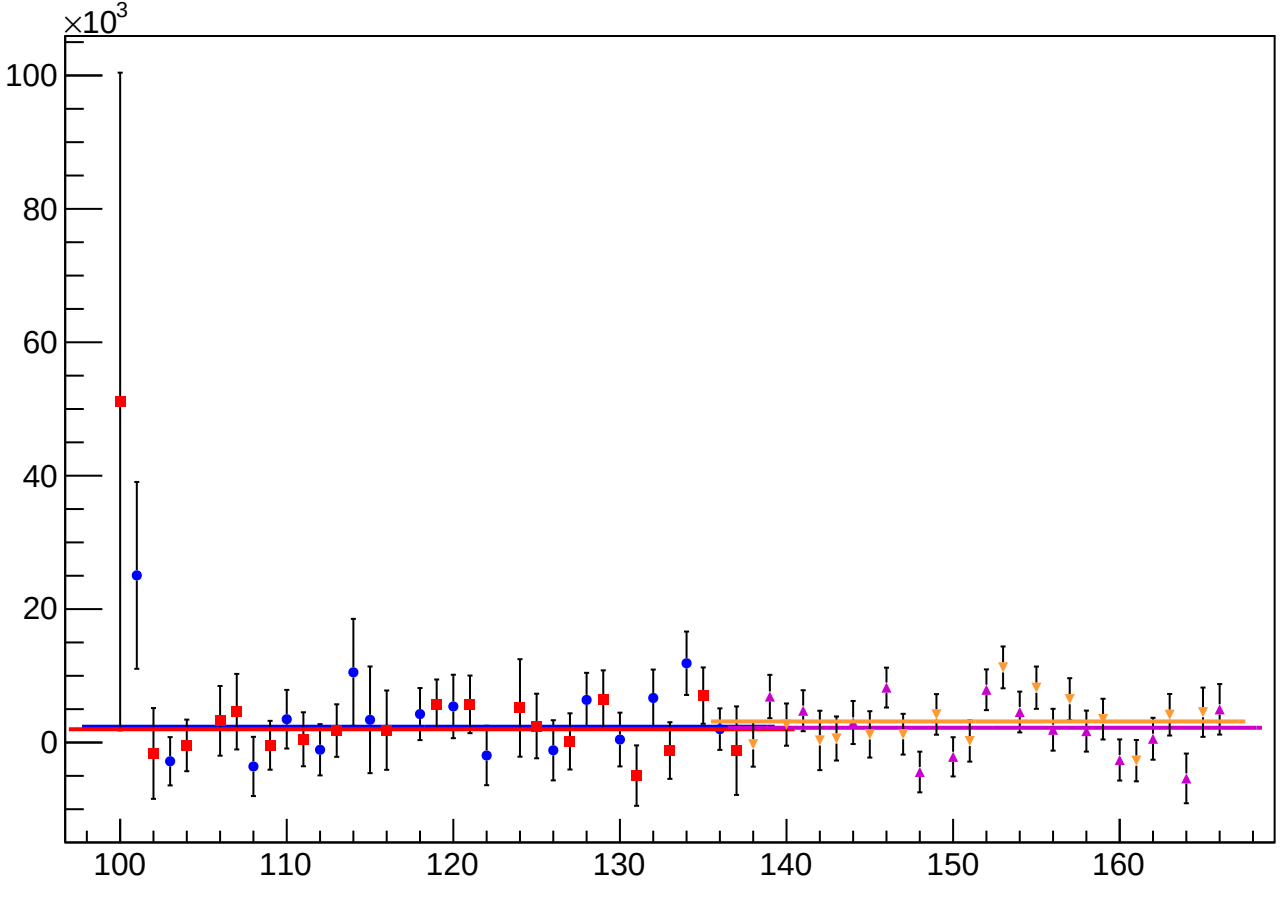
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 695.752+/-0.119 χ^2/NDF:3377596.3/29

Out: 673.485+/-0.115 χ^2/NDF:3941916.2/33

All: 684.216+/-0.083 χ^2/NDF: 7337549.1/63

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3160.218+/-838.015 χ^2/NDF:18.0/14

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2209.226+/-844.698 χ^2/NDF:25.3/13

Left: 2688.499+/-594.915 χ^2/NDF: 44.0/28

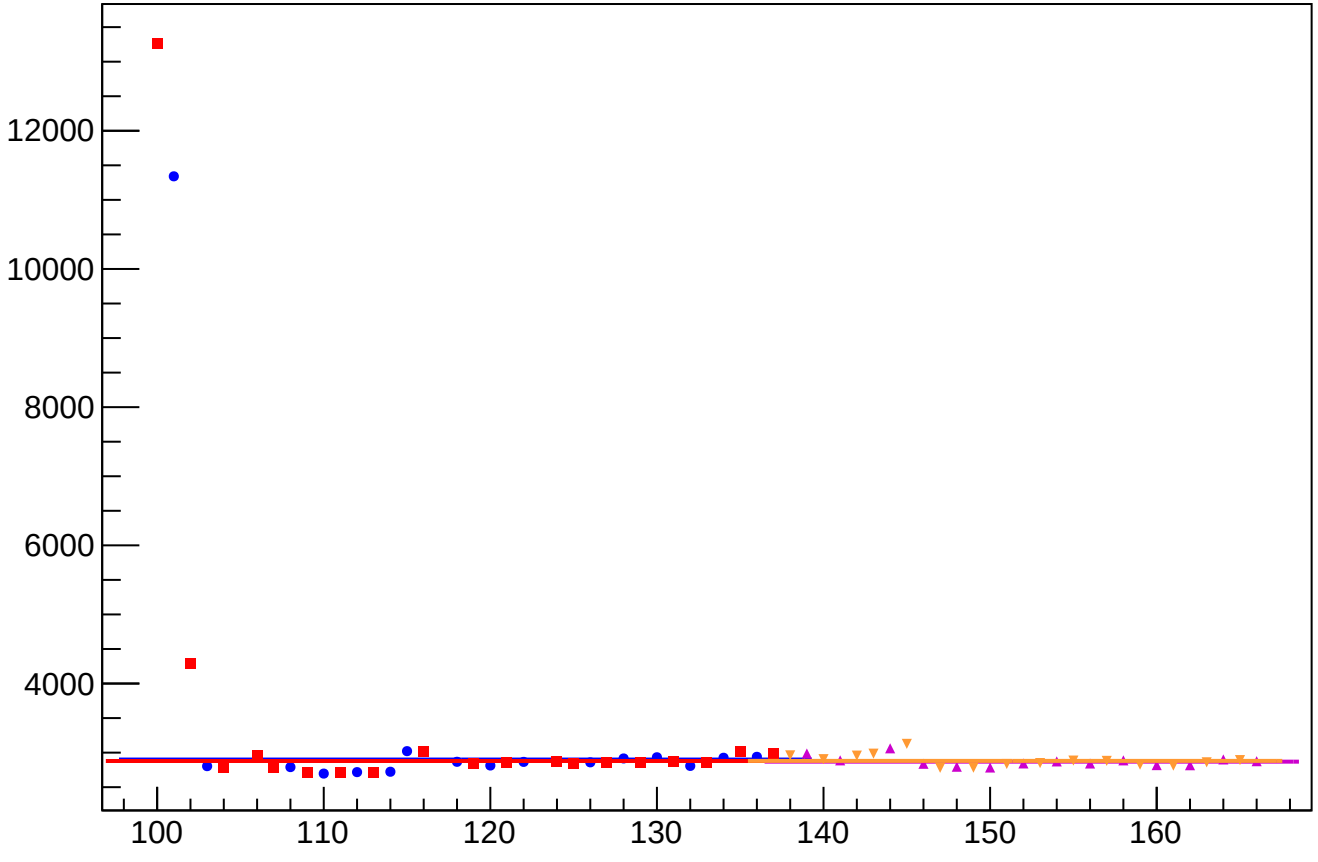
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2267.402+/-671.350 χ^2/NDF:42.2/29

Out: 2716.925+/-660.994 χ^2/NDF:29.0/33

All: 2495.657+/-471.012 χ^2/NDF: 71.5/63

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.547+/-0.593 χ^2/NDF:20530.7/14

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2869.342+/-0.597 χ^2/NDF:14469.1/13

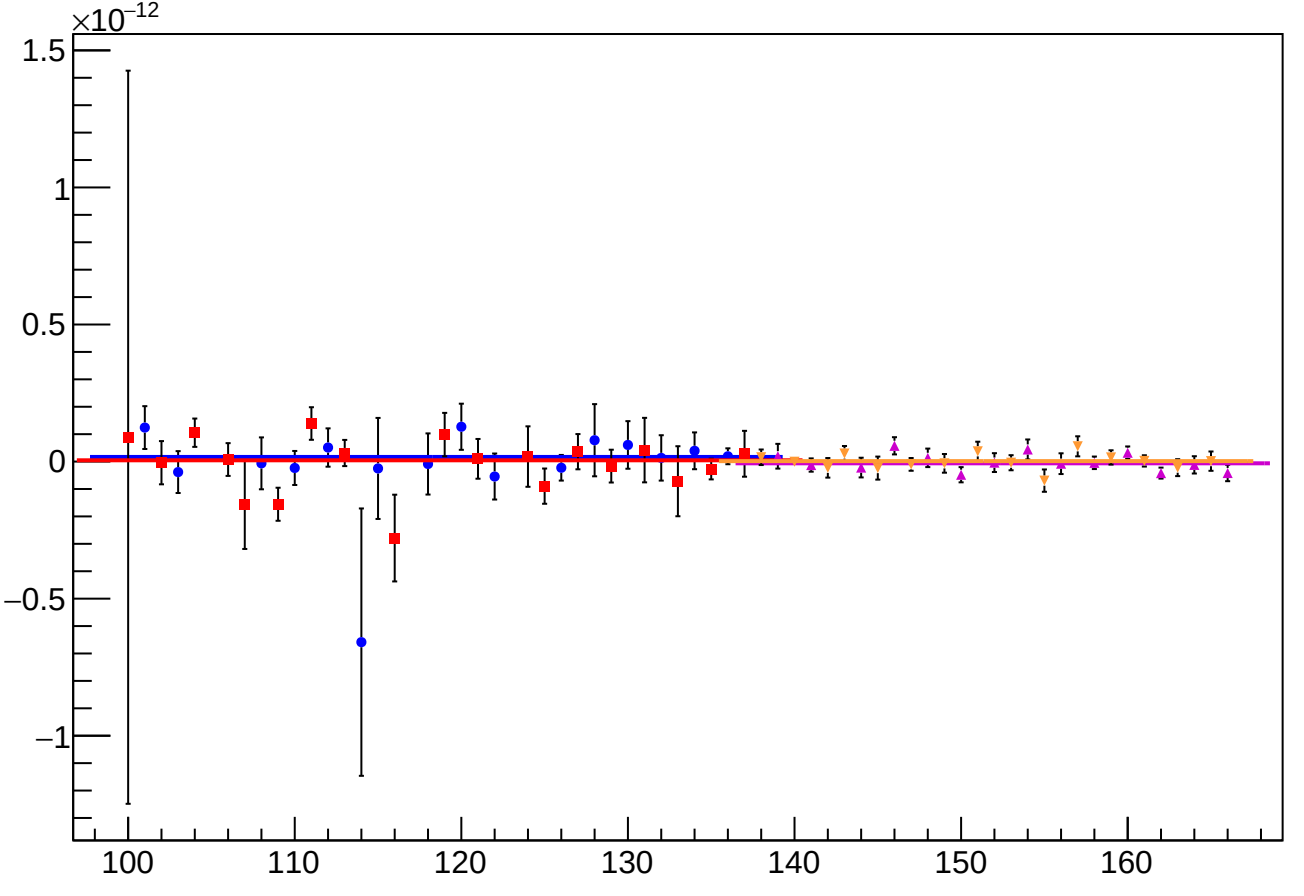
Left: 2874.989+/-0.421 χ^2/NDF: 35177.2/28

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.570+/-0.475 χ^2/NDF:757246.8/29

Out: 2879.946+/-0.467 χ^2/NDF:213815.9/33

All: 2880.253+/-0.333 χ^2/NDF: 971063.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/13

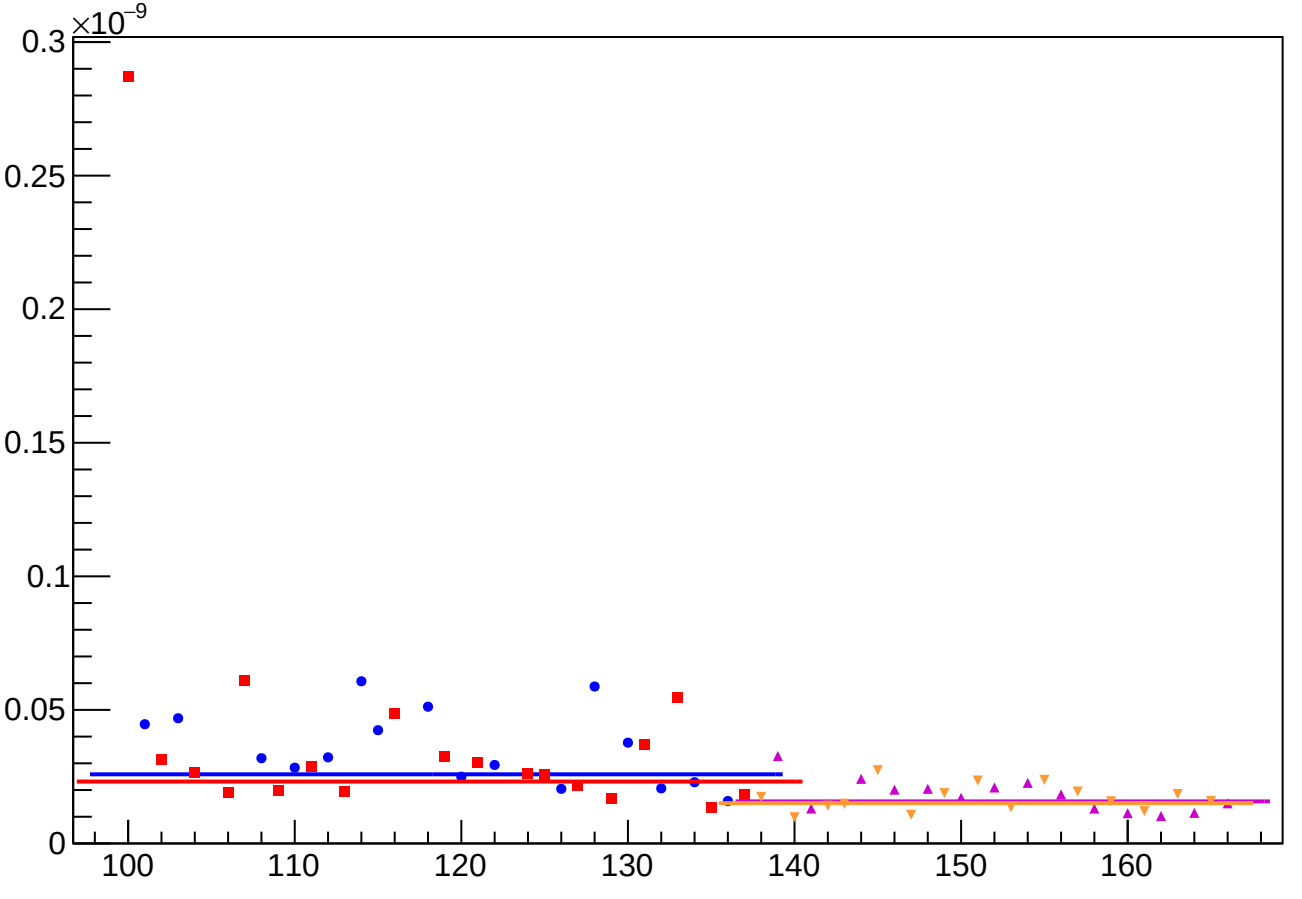
Left: -0.000+/-0.000 χ^2/NDF: 26.9/28

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:27.2/29

Out: 0.000+/-0.000 χ^2/NDF:35.3/33

All: 0.000+/-0.000 χ^2/NDF: 62.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:759017.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:918942.9/13

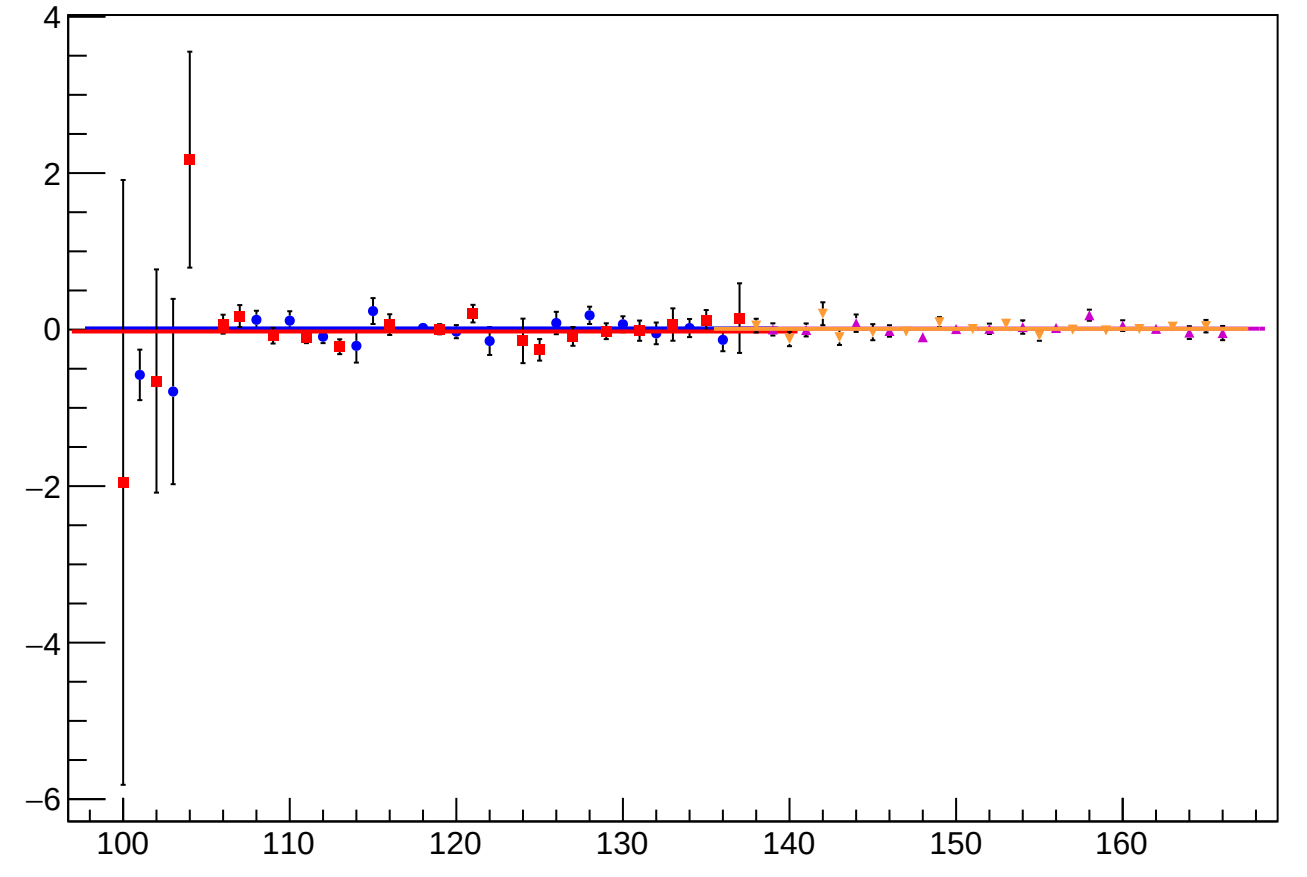
Left: 0.000+/-0.000 χ^2/NDF: 1685616.8/28

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2382884.7/29

Out: 0.000+/-0.000 χ^2/NDF:1884929.0/33

All: 0.000+/-0.000 χ^2/NDF: 4287589.2/63



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.012+/-0.019 χ^2/NDF:10.6/13

Left: 0.011+/-0.013 χ^2/NDF: 21.4/28

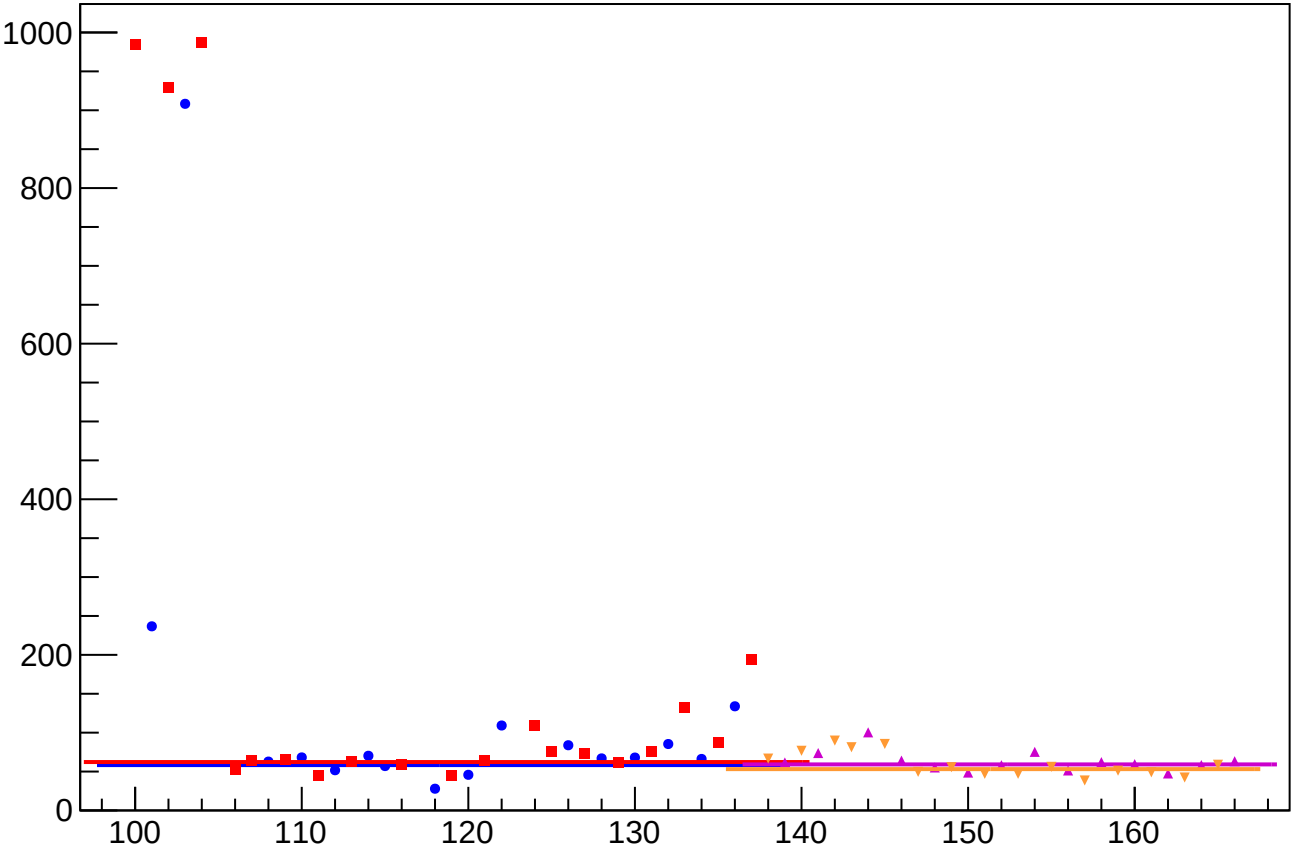
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.013+/-0.016 χ^2/NDF:25.7/29

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.006+/-0.011 χ^2/NDF: 58.6/63

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.185+/-0.013 χ^2/NDF:614648.1/13

Left: 55.937+/-0.009 χ^2/NDF: 1669431.0/28

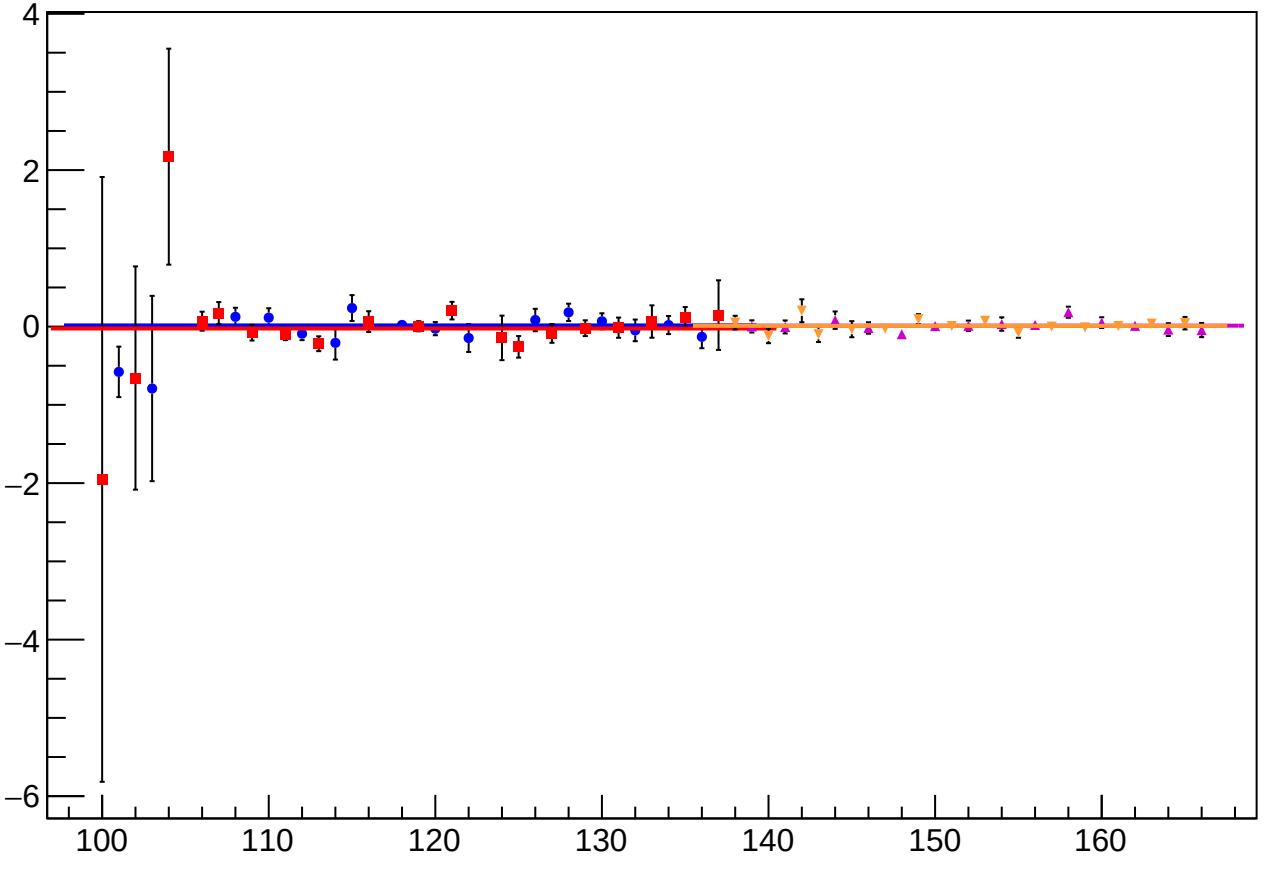
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.907+/-0.011 χ^2/NDF:3876390.9/29

Out: 55.732+/-0.011 χ^2/NDF:3724384.9/33

All: 57.241+/-0.008 χ^2/NDF: 7643517.2/63

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.012+/-0.019 χ^2/NDF:10.6/13

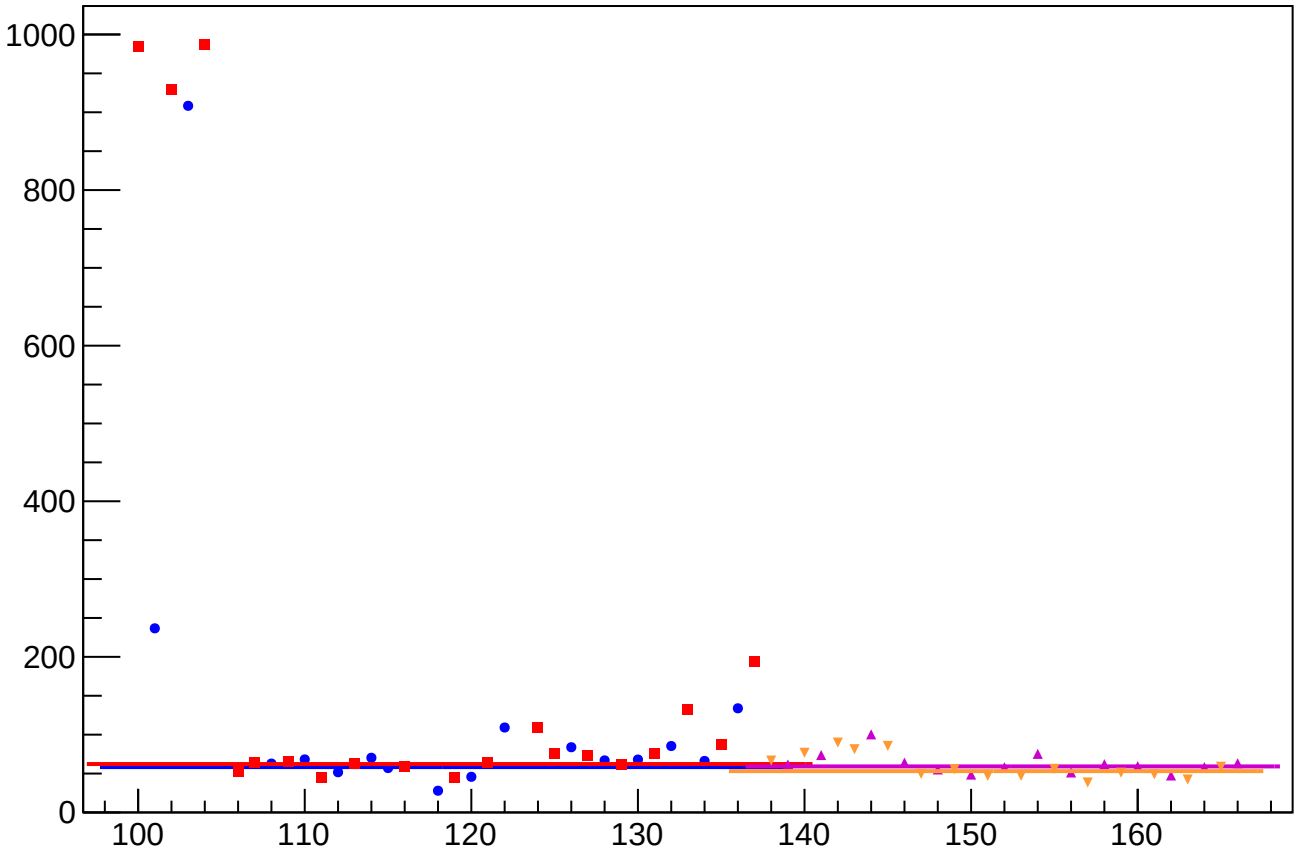
Left: 0.011+/-0.013 χ^2/NDF: 21.4/28

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.013+/-0.016 χ^2/NDF:25.7/29

Out: -0.000+/-0.015 χ^2/NDF:32.6/33

All: 0.006+/-0.011 χ^2/NDF: 58.6/63



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.185+/-0.013 χ^2/NDF:614648.1/13

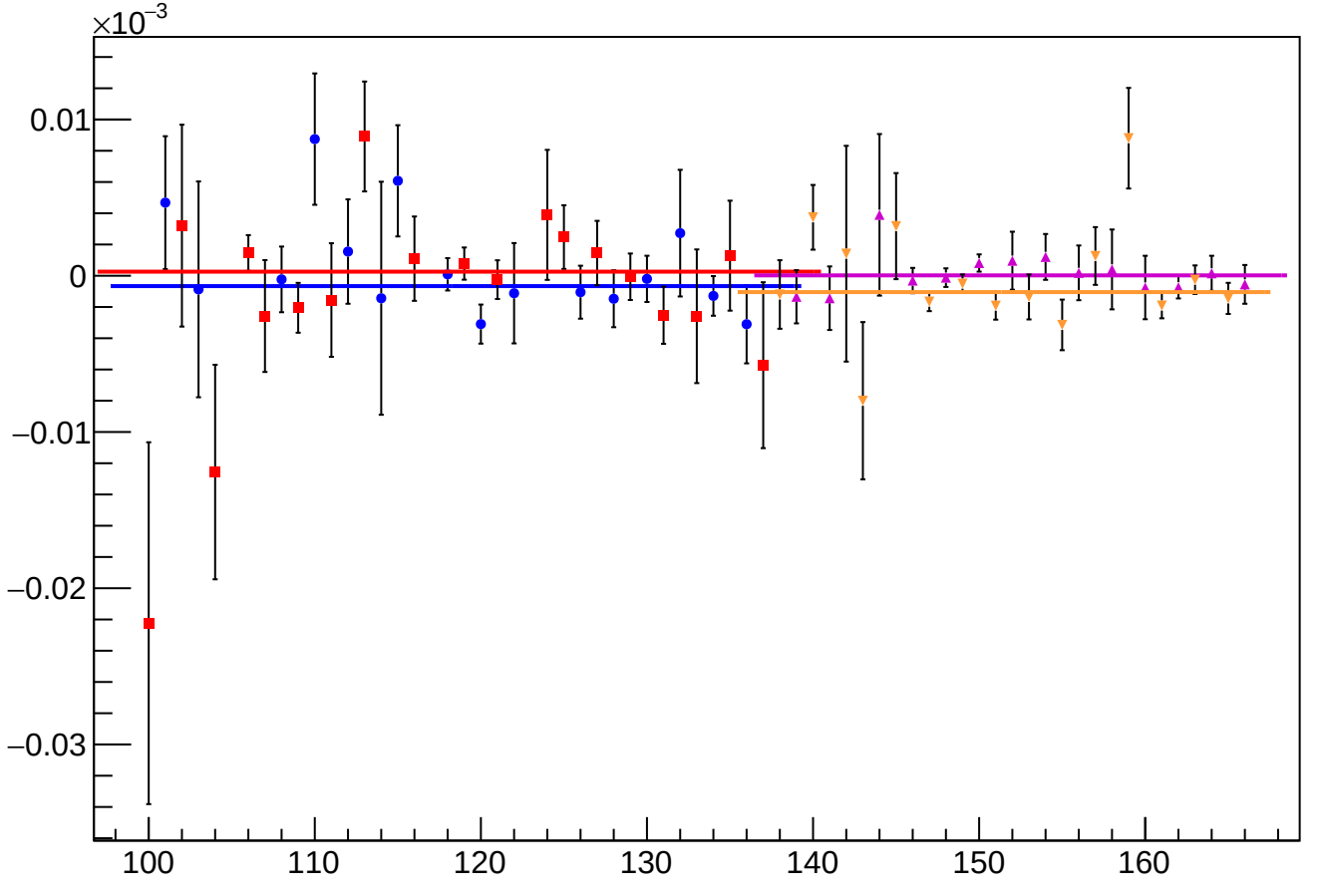
Left: 55.937+/-0.009 χ^2/NDF: 1669431.0/28

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.907+/-0.011 χ^2/NDF:3876390.9/29

Out: 55.732+/-0.011 χ^2/NDF:3724384.9/33

All: 57.241+/-0.008 χ^2/NDF: 7643517.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/13

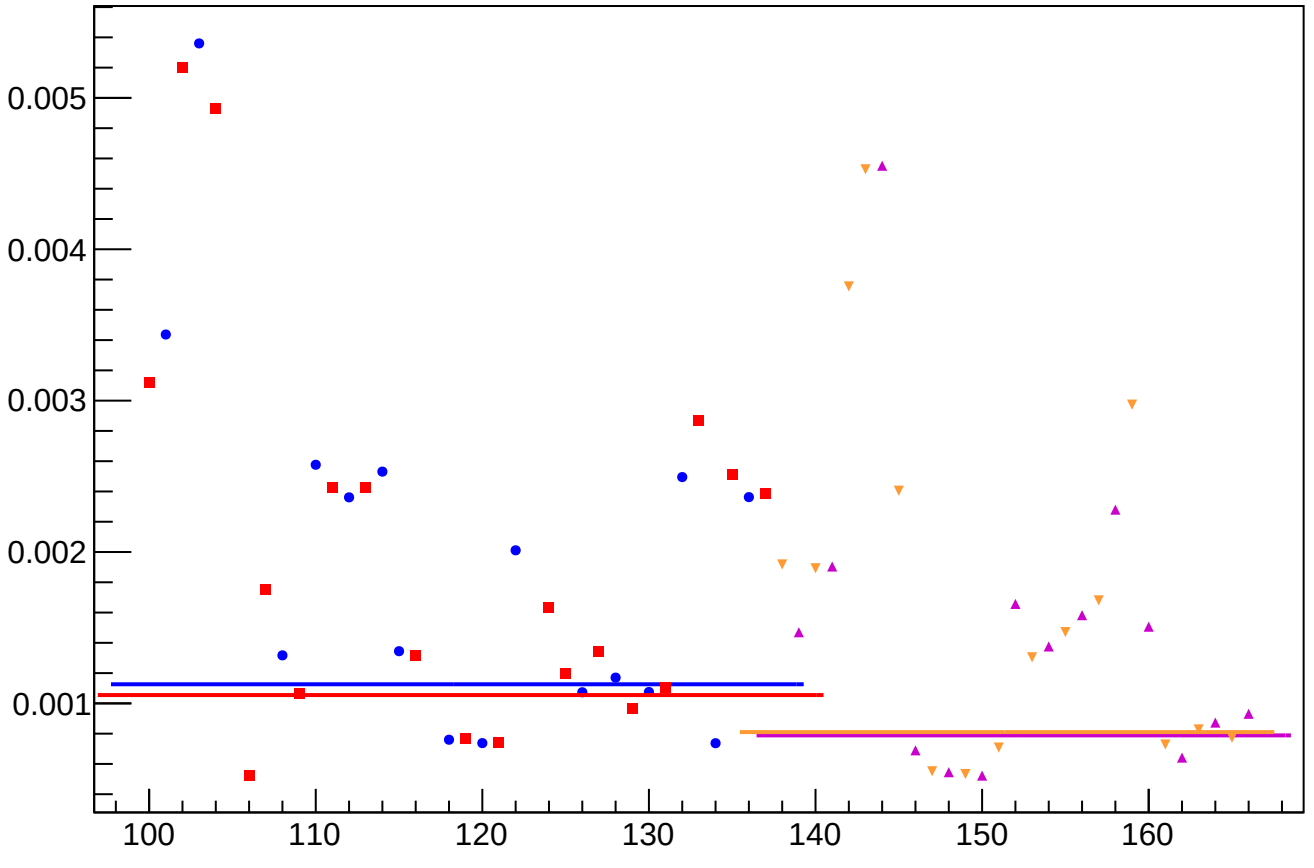
Left: -0.000+/-0.000 χ^2/NDF: 40.2/28

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:25.2/29

Out: -0.000+/-0.000 χ^2/NDF:56.7/33

All: -0.000+/-0.000 χ^2/NDF: 84.5/63



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5732584.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5030123.8/13

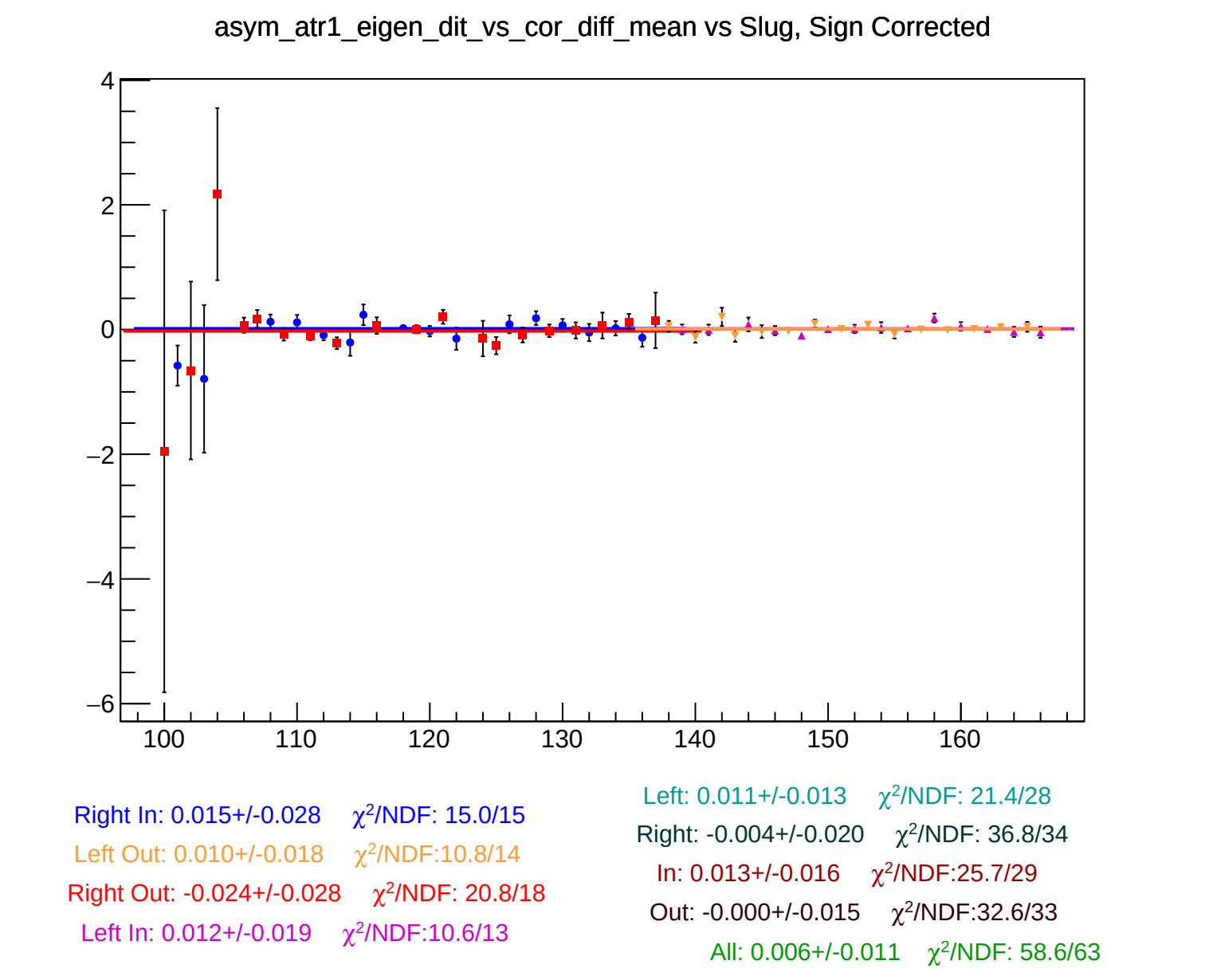
Left: 0.001+/-0.000 χ^2/NDF: 10768707.8/28

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9203307.9/29

Out: 0.001+/-0.000 χ^2/NDF:9985070.6/33

All: 0.001+/-0.000 χ^2/NDF: 19189125.7/63


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
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−2
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−6
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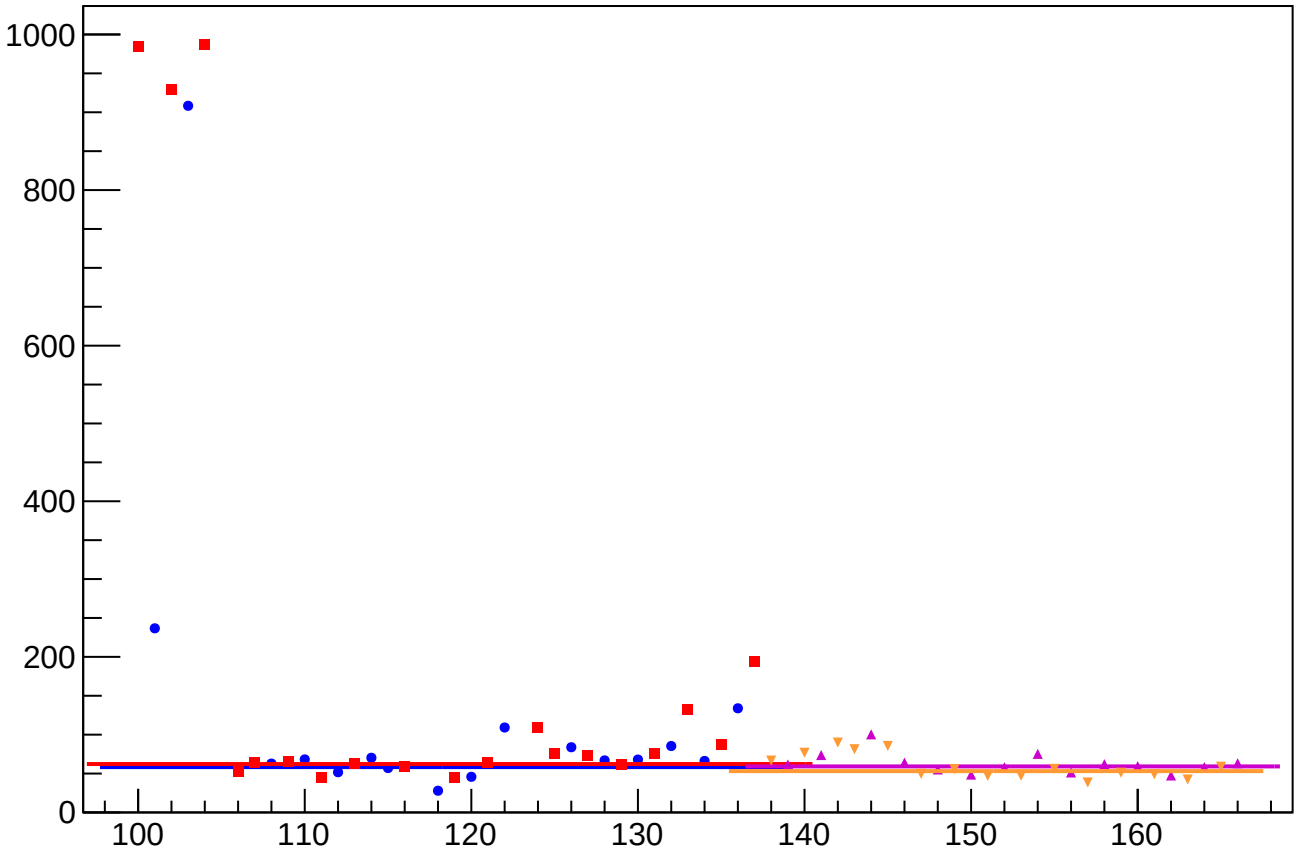
120
130
140
150
160
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.018 χ²/NDF:10.8/14
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.012+/-0.019 χ²/NDF:10.6/13
Left: 0.011+/-0.013 χ²/NDF: 21.4/28
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.013+/-0.016 χ²/NDF:25.7/29
Out: -0.000+/-0.015 χ²/NDF:32.6/33
All: 0.006+/-0.011 χ²/NDF: 58.6/63



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.185+/-0.013 χ^2/NDF:614672.5/13

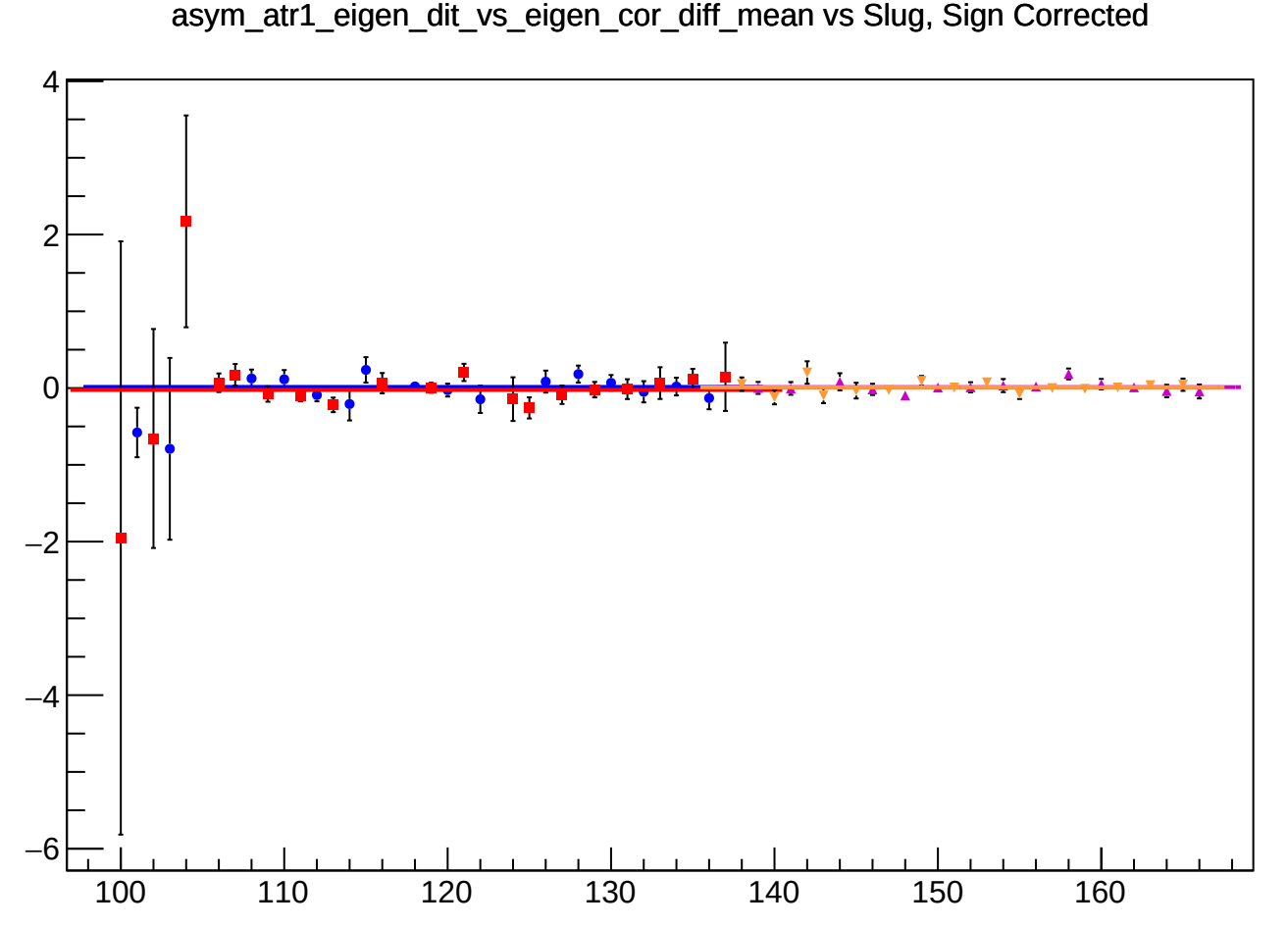
Left: 55.937+/-0.009 χ^2/NDF: 1669533.2/28

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.906+/-0.011 χ^2/NDF:3876497.8/29

Out: 55.731+/-0.011 χ^2/NDF:3724447.6/33

All: 57.241+/-0.008 χ^2/NDF: 7643695.3/63


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
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−6
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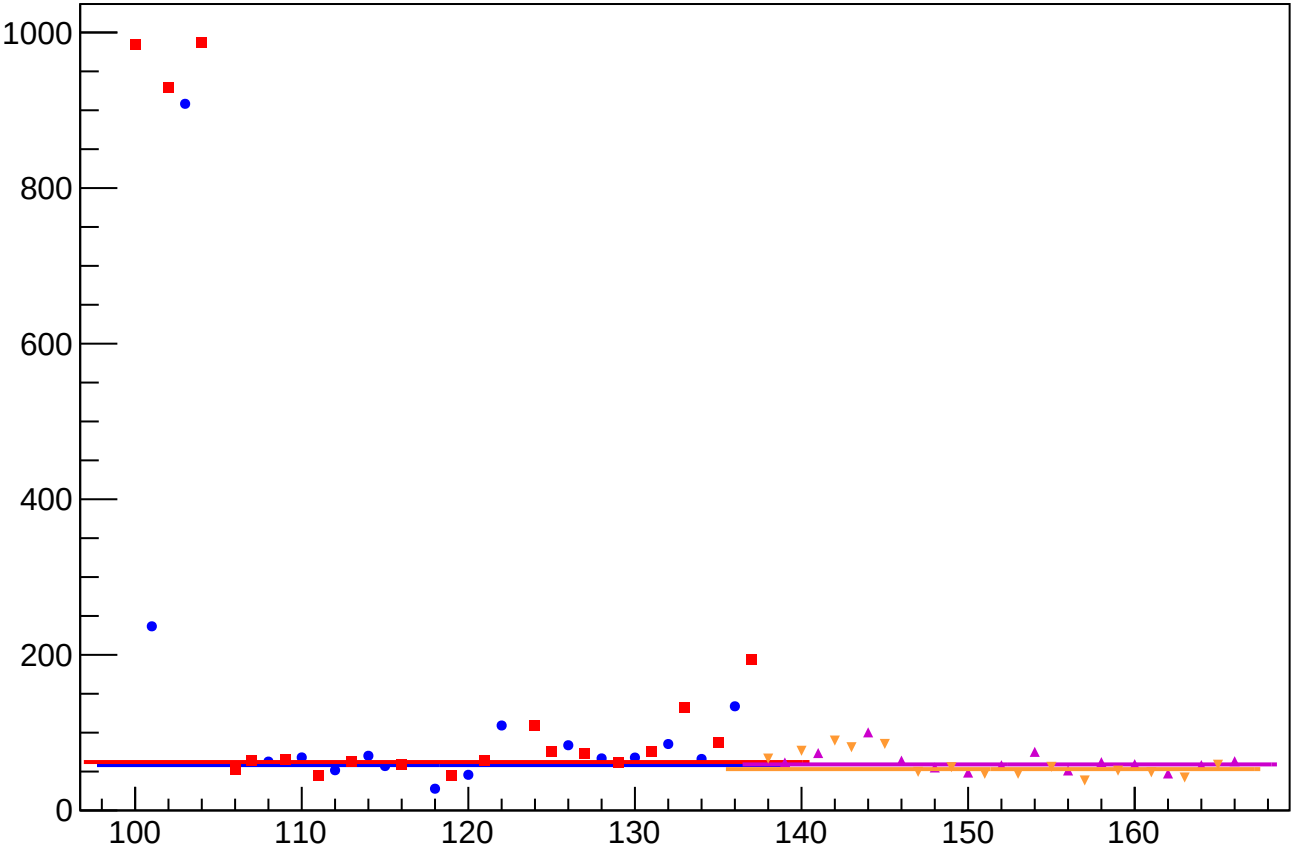
110
120
130
140
150
160
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.018 χ²/NDF:10.8/14
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.012+/-0.019 χ²/NDF:10.6/13
Left: 0.011+/-0.013 χ²/NDF: 21.4/28
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.013+/-0.016 χ²/NDF:25.7/29
Out: -0.000+/-0.015 χ²/NDF:32.6/33
All: 0.006+/-0.011 χ²/NDF: 58.6/63



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.185+/-0.013 χ^2/NDF:614672.5/13

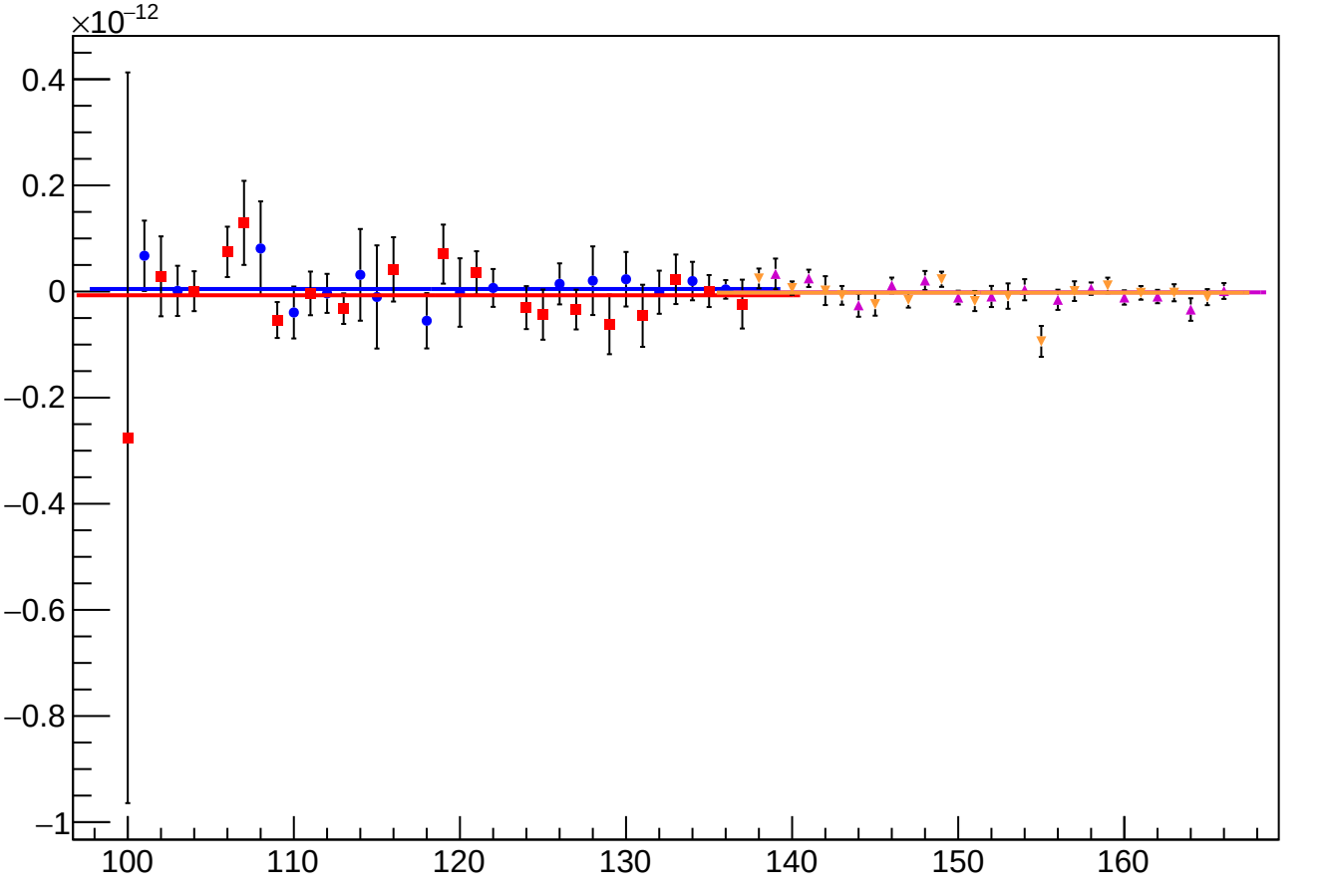
Left: 55.937+/-0.009 χ^2/NDF: 1669533.2/28

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.906+/-0.011 χ^2/NDF:3876497.8/29

Out: 55.731+/-0.011 χ^2/NDF:3724447.6/33

All: 57.241+/-0.008 χ^2/NDF: 7643695.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/13

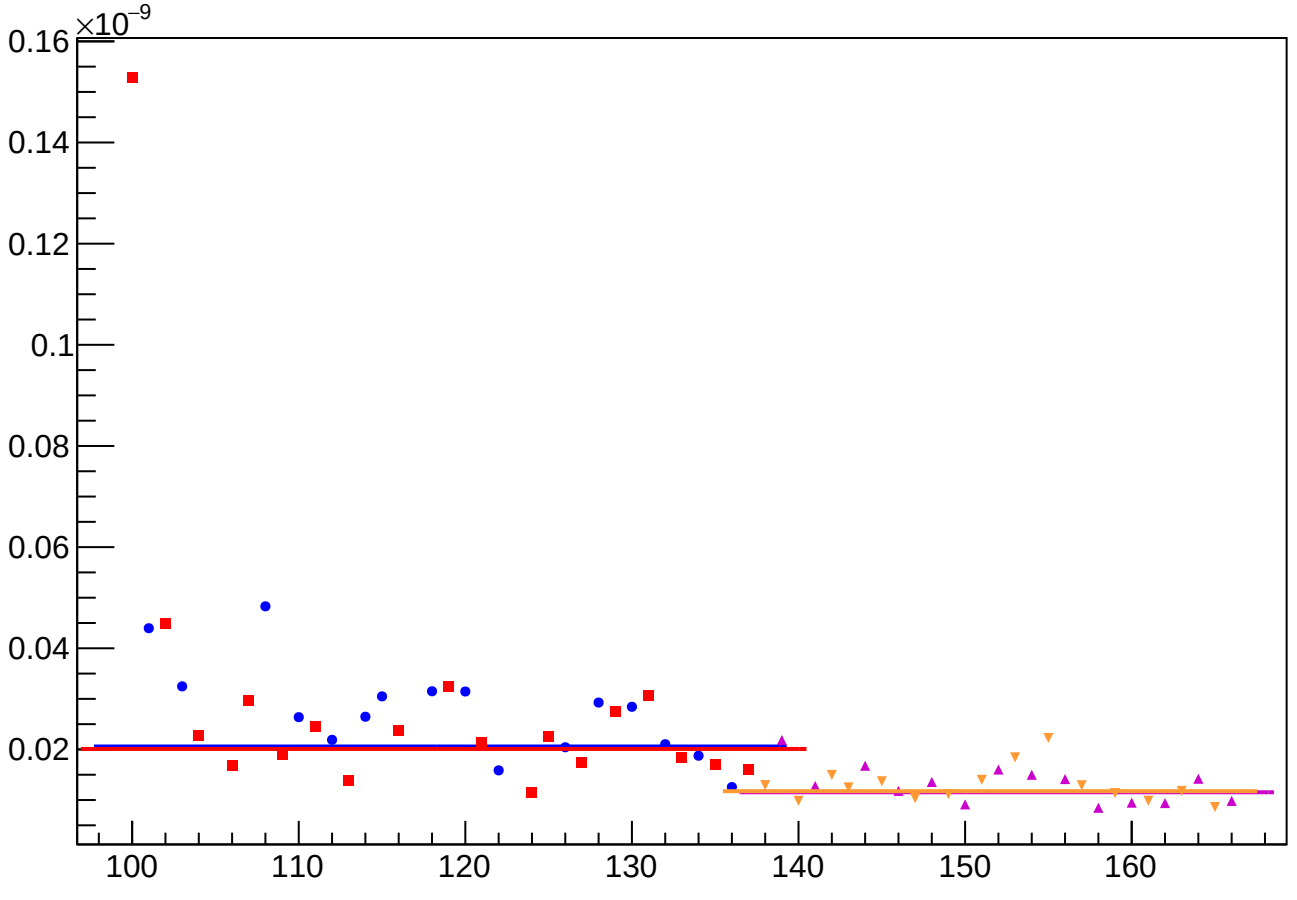
Left: -0.000+/-0.000 χ^2/NDF: 32.1/28

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:17.3/29

Out: -0.000+/-0.000 χ^2/NDF:35.8/33

All: -0.000+/-0.000 χ^2/NDF: 53.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:704799.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:979687.1/13

Left: 0.000+/-0.000 χ^2/NDF: 1686949.8/28

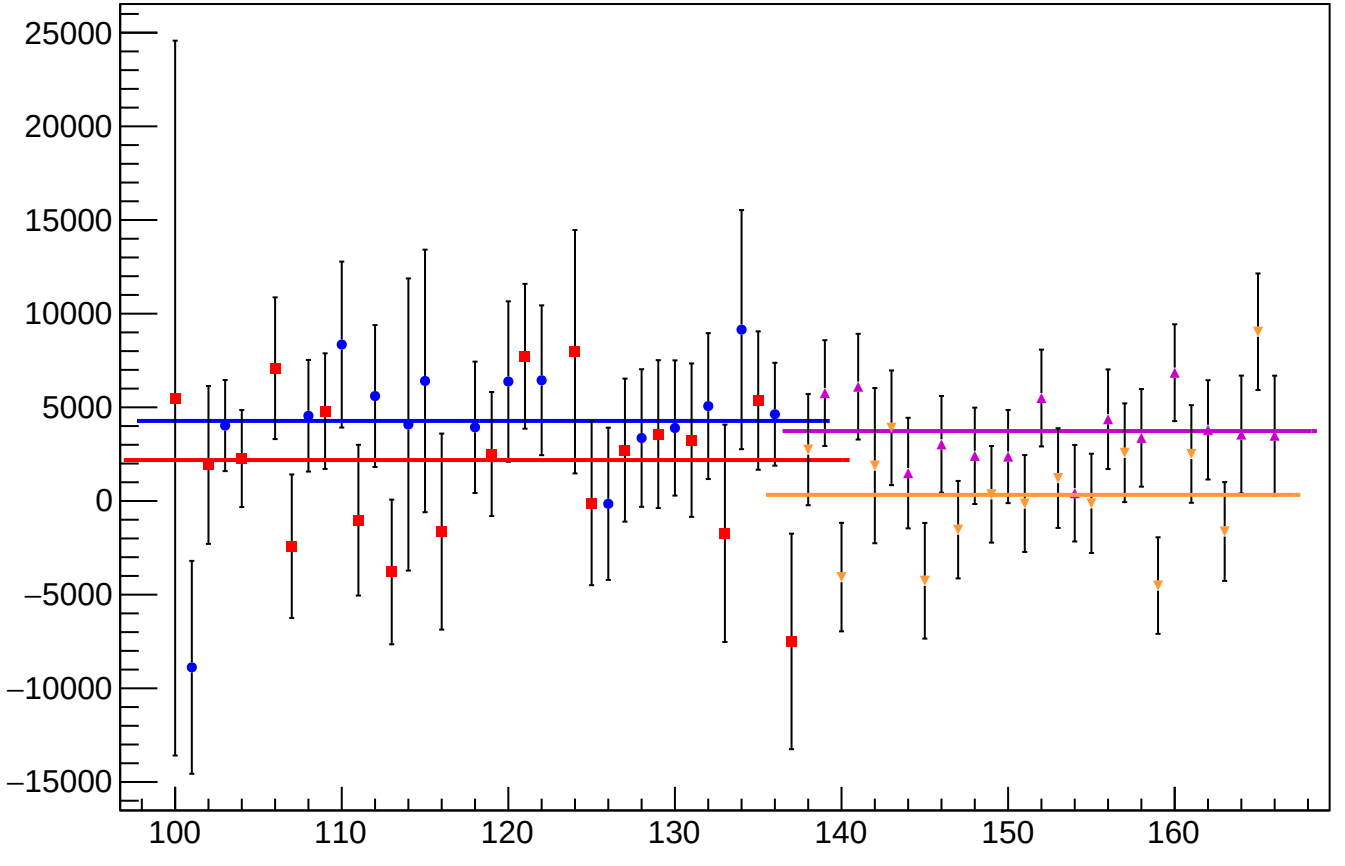
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3623794.5/29

Out: 0.000+/-0.000 χ^2/NDF:2666936.1/33

All: 0.000+/-0.000 χ^2/NDF: 6292455.1/63

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 327.122+/-721.219 χ^2/NDF:20.7/14

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3733.884+/-723.850 χ^2/NDF:6.1/13

Left: 2024.301+/-510.907 χ^2/NDF: 37.9/28

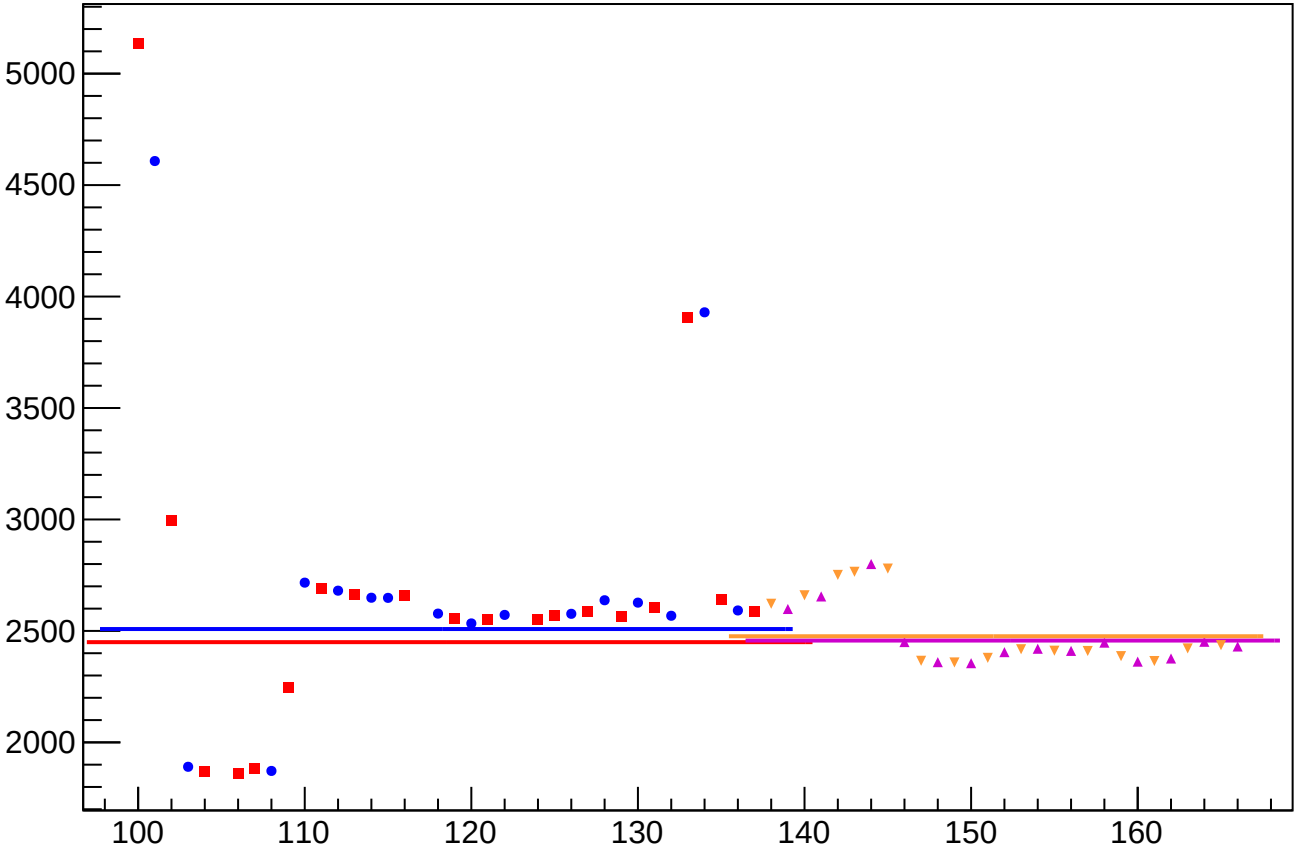
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3931.904+/-576.196 χ^2/NDF:15.2/29

Out: 1032.772+/-568.092 χ^2/NDF:38.0/33

All: 2461.806+/-404.536 χ^2/NDF: 66.1/63

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

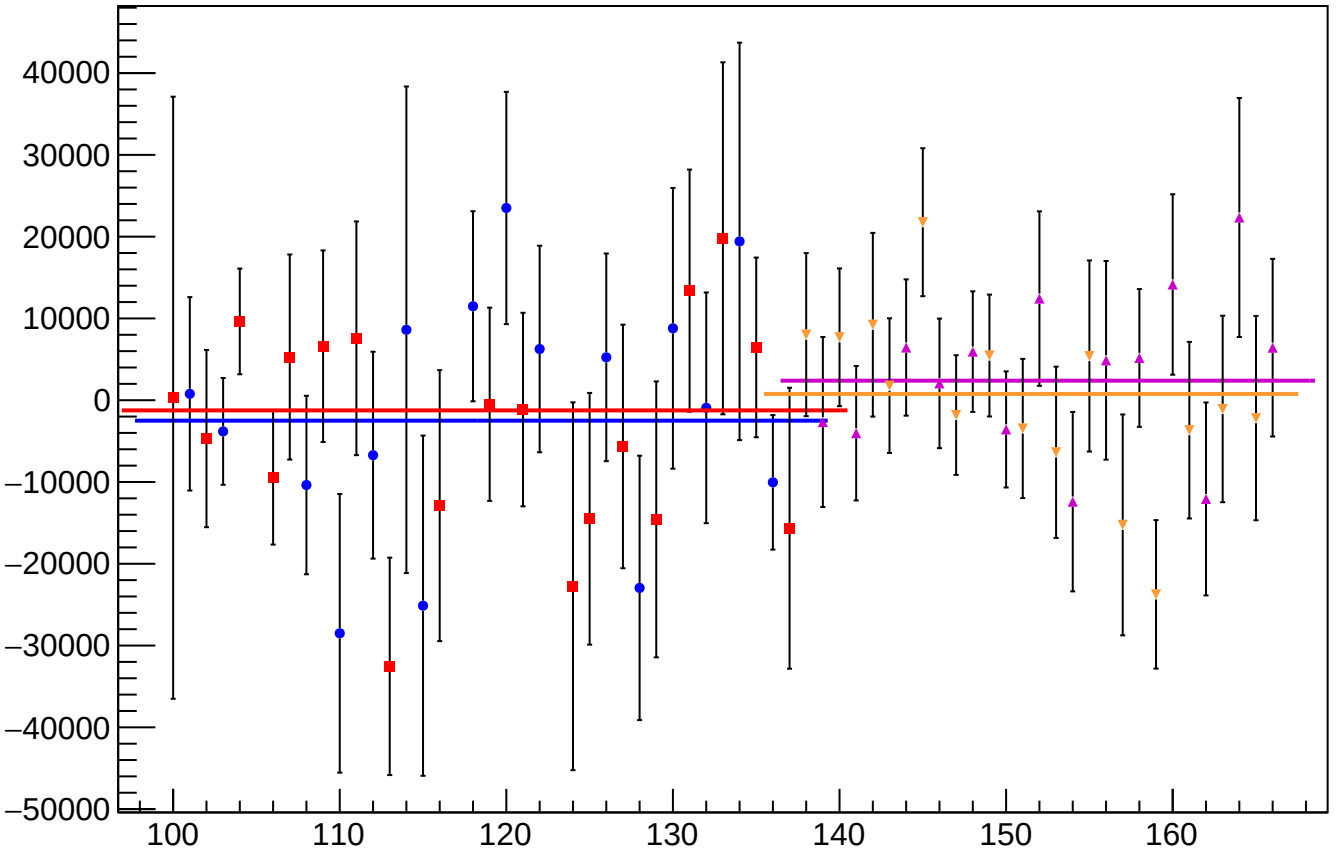
Left: 2466.483+/-0.361 χ^2/NDF: 135423.5/28

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2475.729+/-0.407 χ^2/NDF:669951.8/29

Out: 2466.047+/-0.402 χ^2/NDF:518004.9/33

All: 2470.820+/-0.286 χ^2/NDF: 1188243.0/63



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 766.561+/-2452.393 χ^2/NDF:17.5/14

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2388.778+/-2506.742 χ^2/NDF:9.5/13

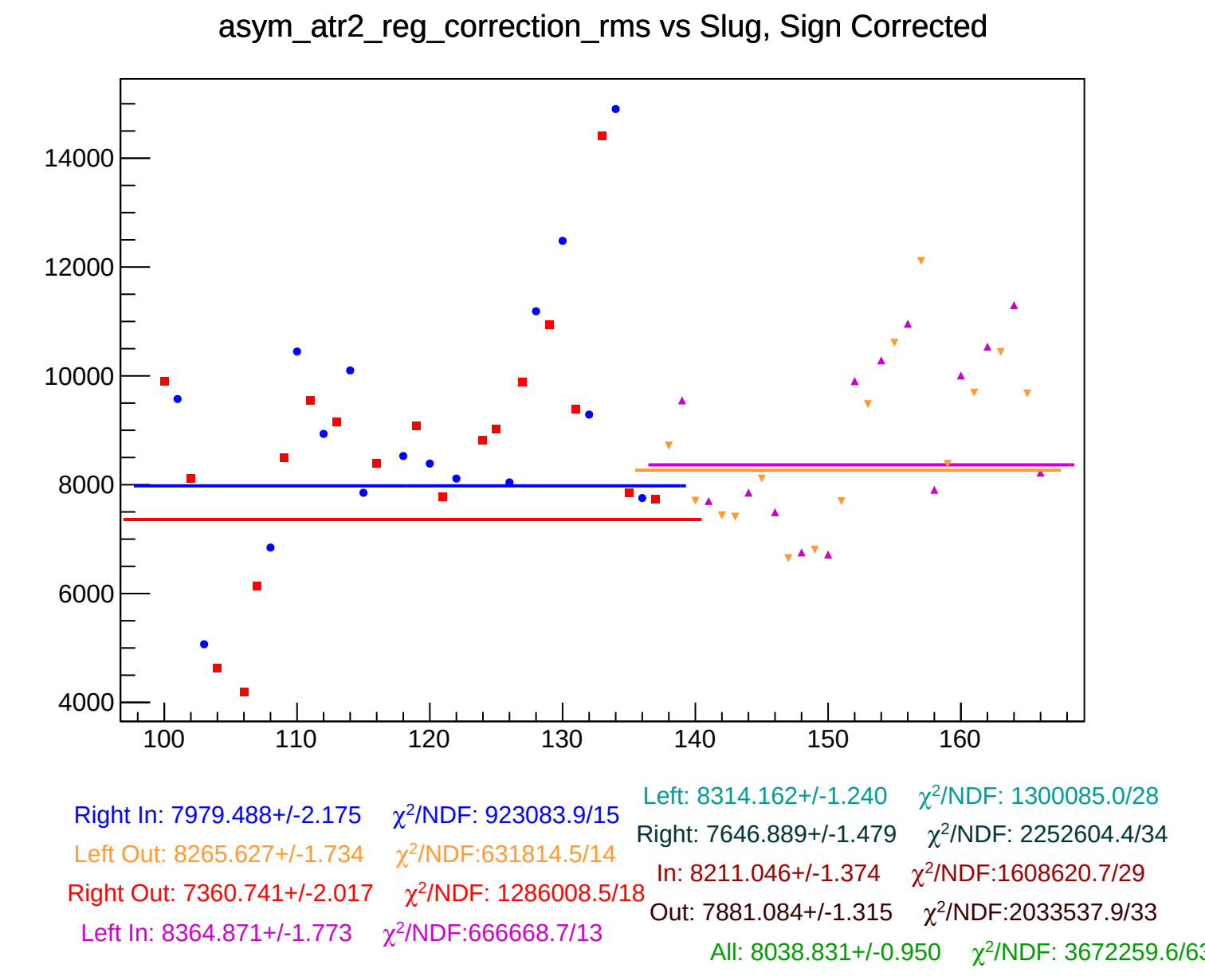
Left: 1559.893+/-1753.003 χ^2/NDF: 27.2/28

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

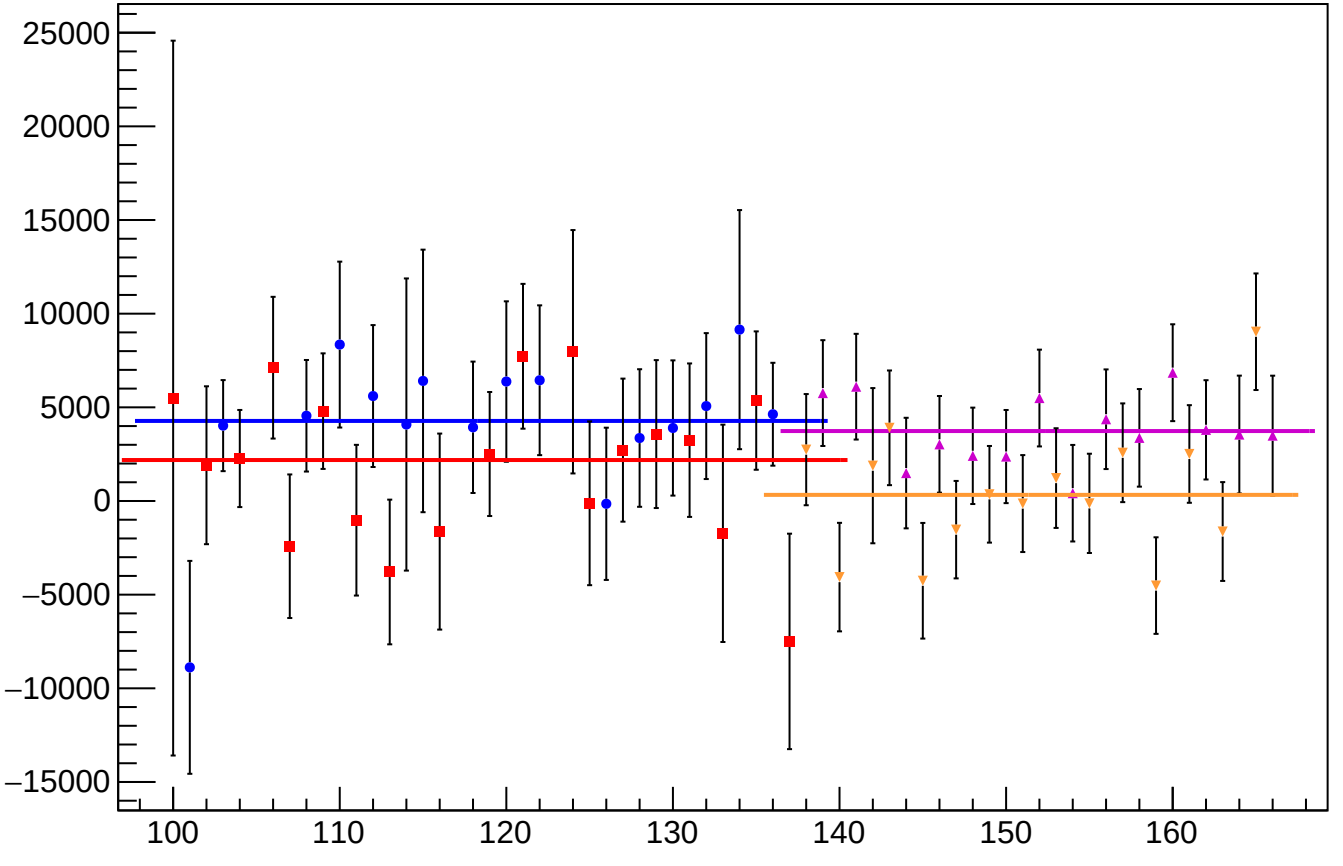
In: 437.195+/-1943.093 χ^2/NDF:24.8/29

Out: -88.004+/-1859.678 χ^2/NDF:34.4/33

All: 163.081+/-1343.513 χ^2/NDF: 59.2/63


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8265.627+/-1.734 χ²/NDF:631814.5/14
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8364.871+/-1.773 χ²/NDF:666668.7/13
Left: 8314.162+/-1.240 χ²/NDF: 1300085.0/28
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8211.046+/-1.374 χ²/NDF:1608620.7/29
Out: 7881.084+/-1.315 χ²/NDF:2033537.9/33
All: 8038.831+/-0.950 χ²/NDF: 3672259.6/63

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 326.881+/-721.219 χ^2/NDF:20.7/14

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3733.898+/-723.850 χ^2/NDF:6.1/13

Left: 2024.188+/-510.907 χ^2/NDF: 37.9/28

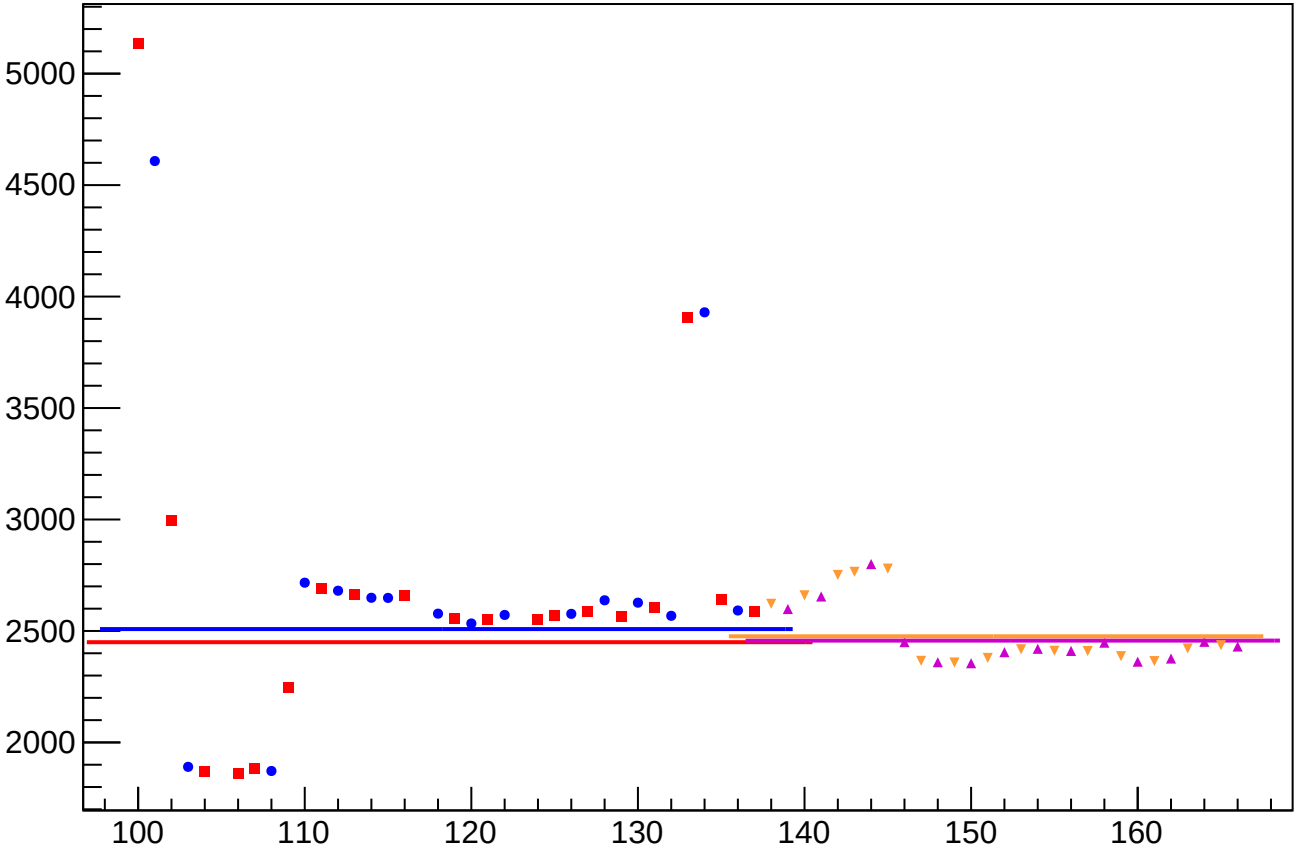
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3931.733+/-576.196 χ^2/NDF:15.2/29

Out: 1032.852+/-568.093 χ^2/NDF:38.1/33

All: 2461.767+/-404.537 χ^2/NDF: 66.1/63

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

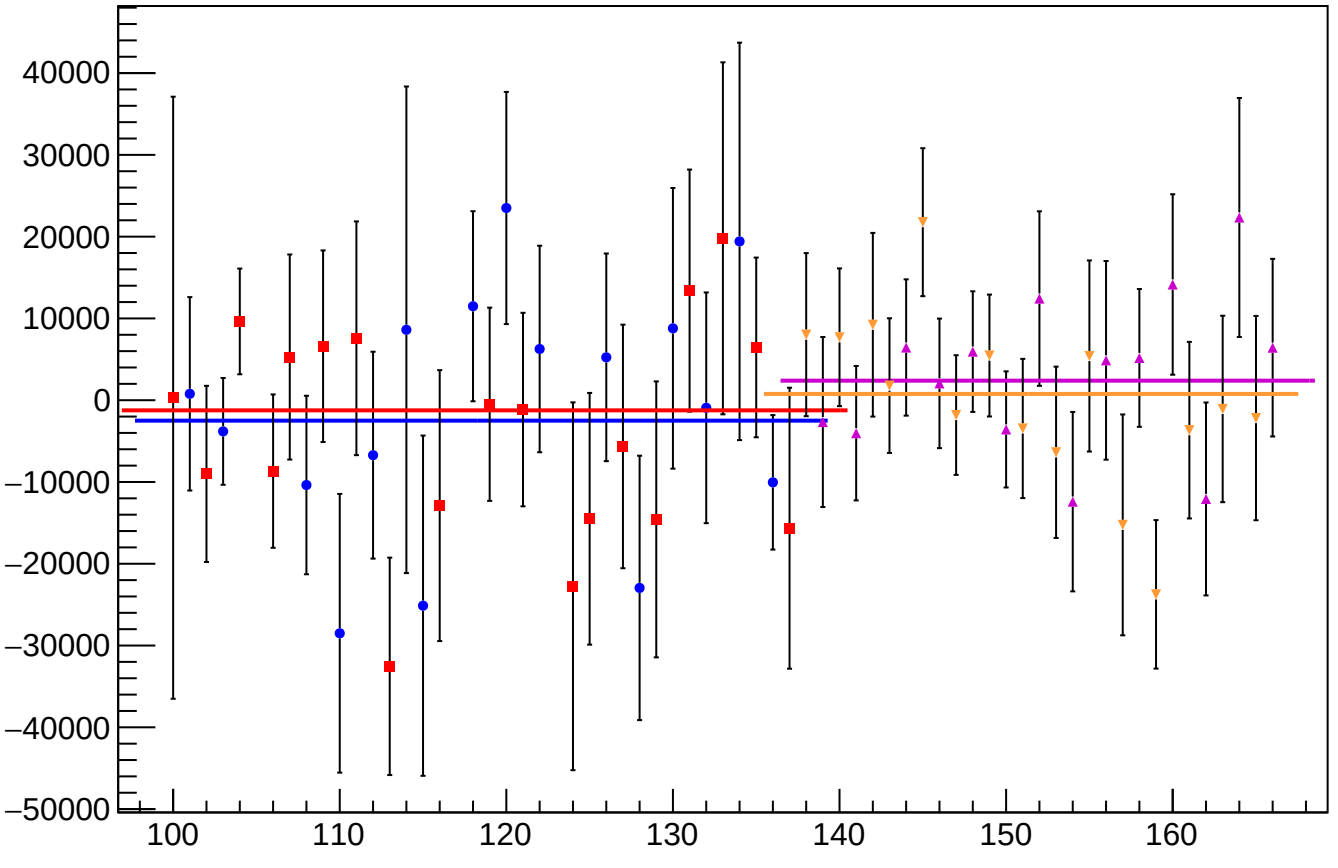
Left: 2466.483+/-0.361 χ^2/NDF: 135423.5/28

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2475.730+/-0.407 χ^2/NDF:669949.7/29

Out: 2466.057+/-0.402 χ^2/NDF:517948.6/33

All: 2470.825+/-0.286 χ^2/NDF: 1188184.1/63



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2388.894+/-2506.742 χ^2/NDF:9.5/13

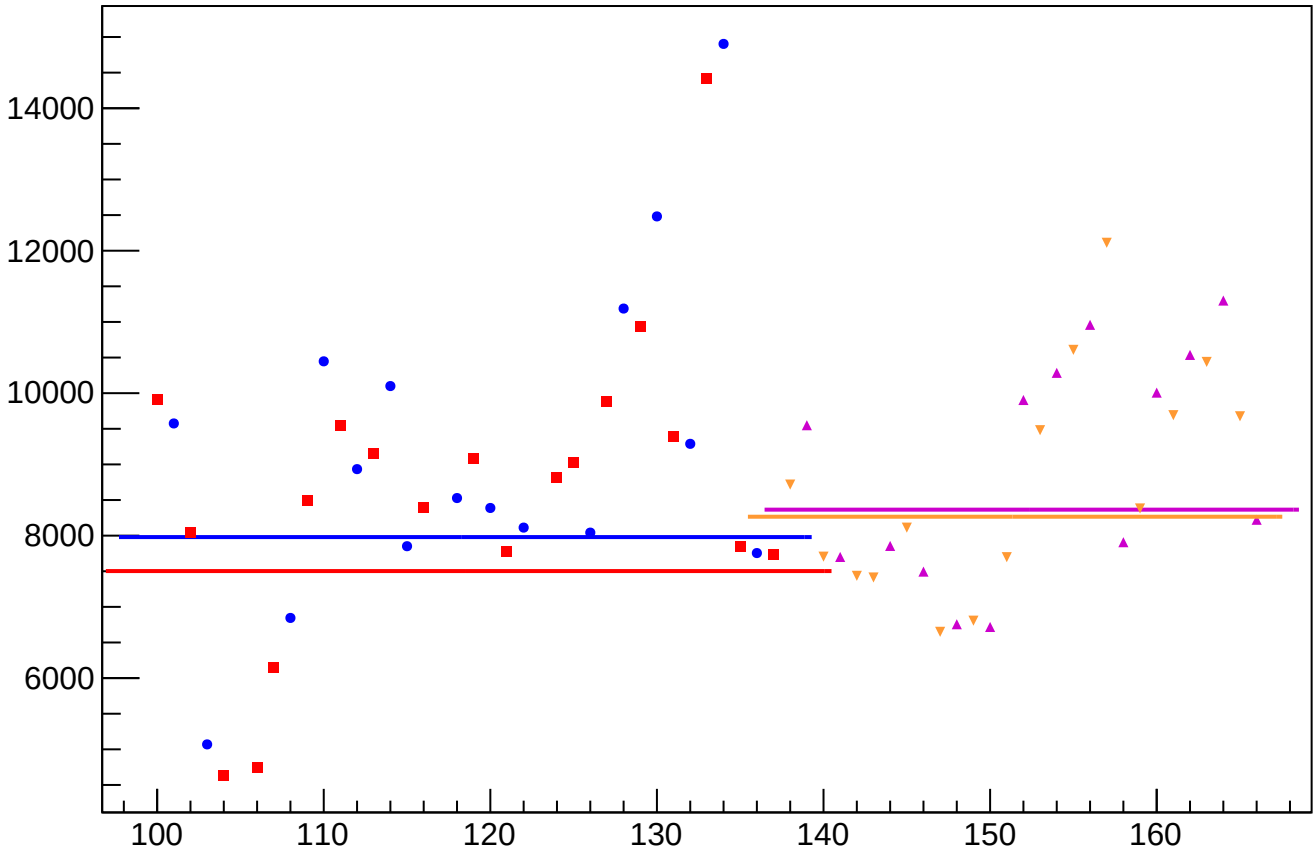
Left: 1559.945+/-1753.001 χ^2/NDF: 27.2/28

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 437.421+/-1943.115 χ^2/NDF:24.8/29

Out: -72.242+/-1870.821 χ^2/NDF:34.4/33

All: 172.932+/-1347.703 χ^2/NDF: 59.2/63



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8265.613+/-1.734 χ^2/NDF:631820.0/14

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8364.869+/-1.773 χ^2/NDF:666671.6/13

Left: 8314.153+/-1.240 χ^2/NDF: 1300093.7/28

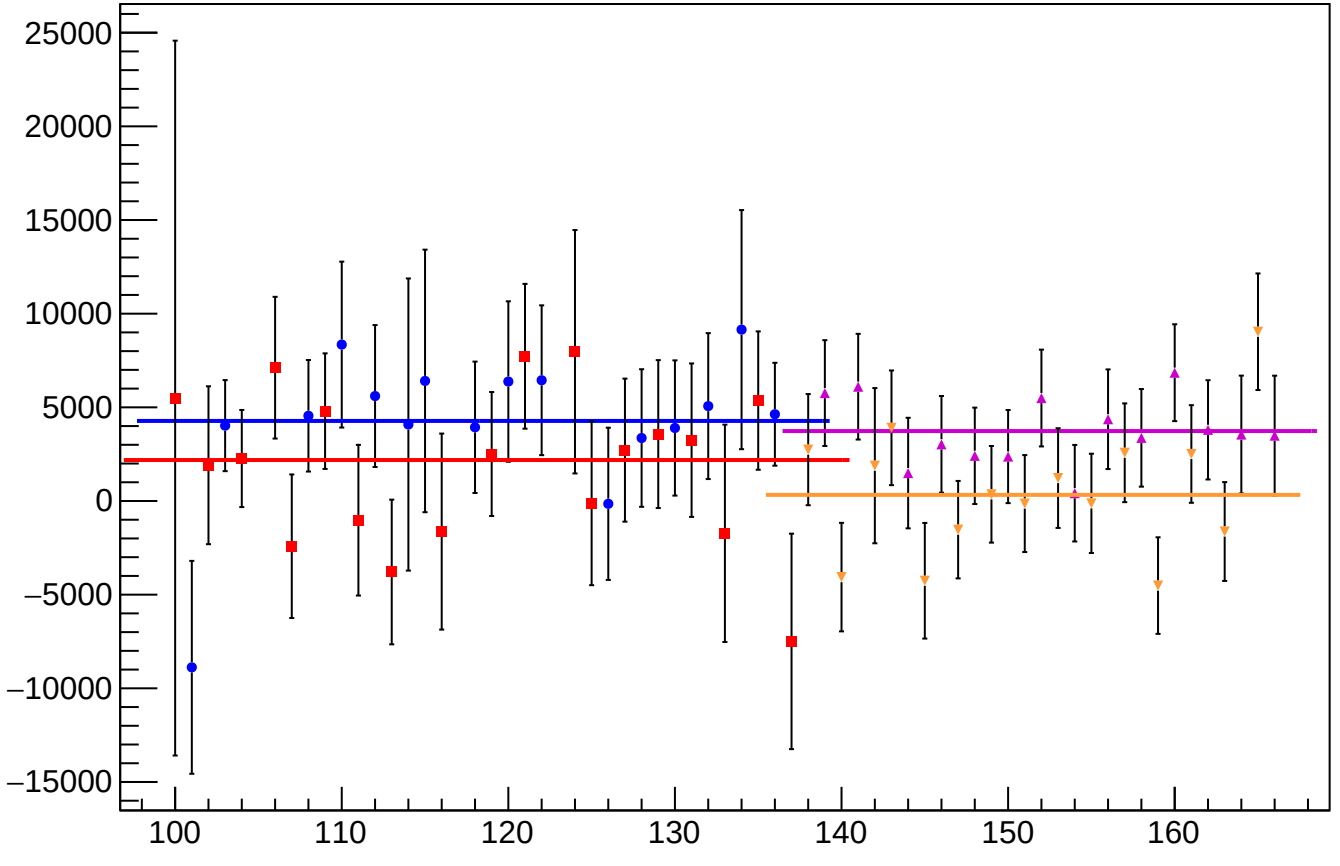
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8211.180+/-1.374 χ^2/NDF:1608292.6/29

Out: 7946.671+/-1.323 χ^2/NDF:1848261.7/33

All: 8073.913+/-0.953 χ^2/NDF: 3475786.9/63

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 326.881+/-721.219 χ^2/NDF:20.7/14

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3733.898+/-723.850 χ^2/NDF:6.1/13

Left: 2024.188+/-510.907 χ^2/NDF: 37.9/28

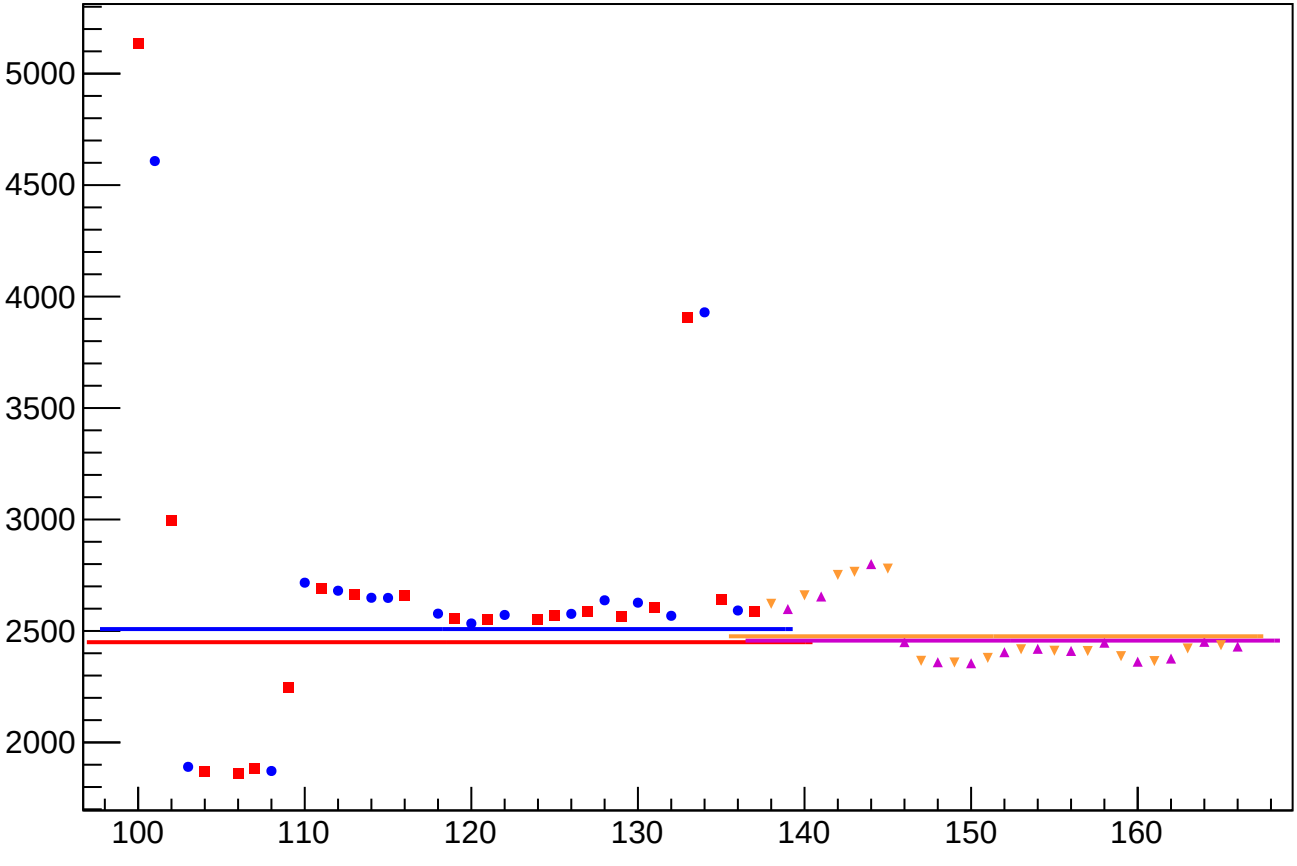
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3931.733+/-576.196 χ^2/NDF:15.2/29

Out: 1032.852+/-568.093 χ^2/NDF:38.1/33

All: 2461.767+/-404.537 χ^2/NDF: 66.1/63

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2456.801+/-0.512 χ^2/NDF:54629.3/13

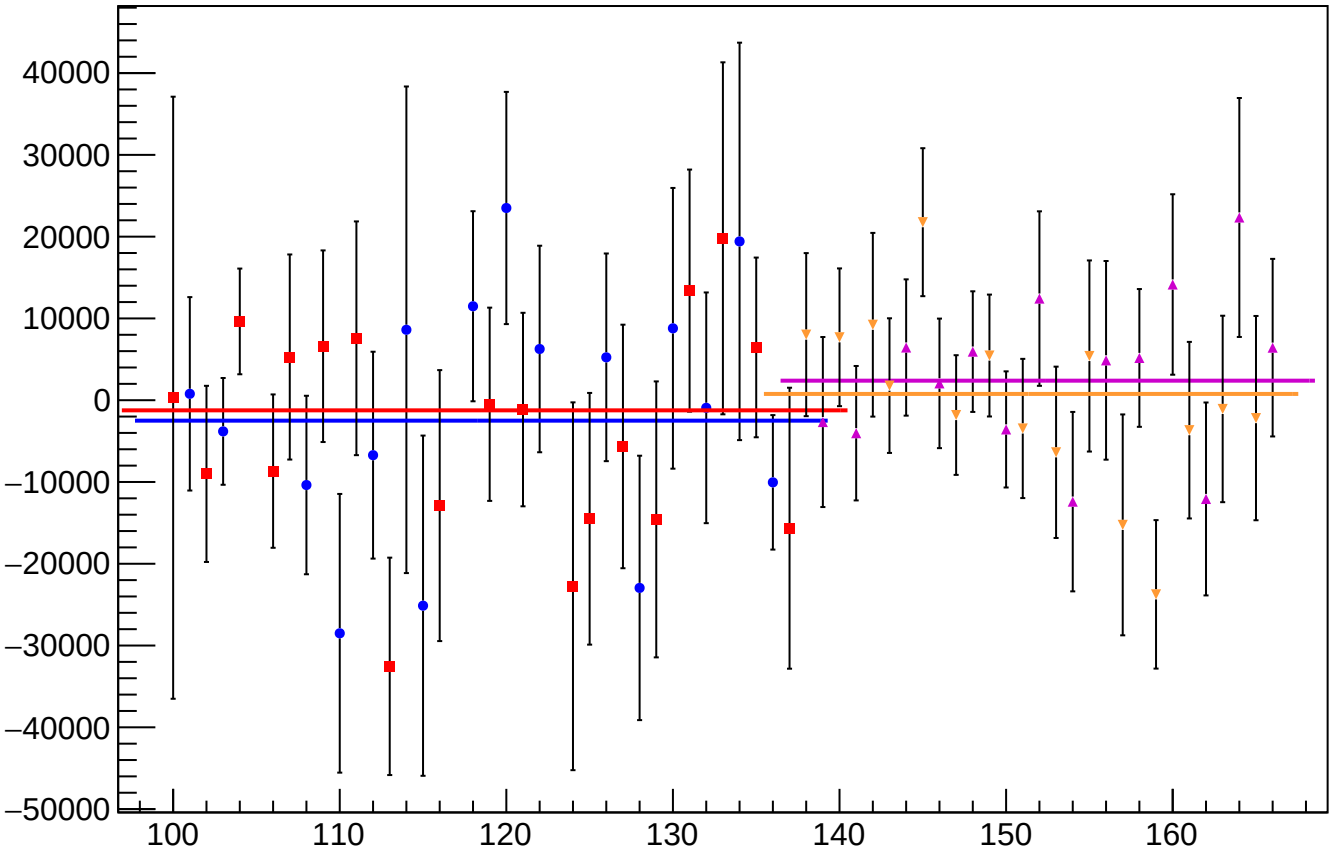
Left: 2466.483+/-0.361 χ^2/NDF: 135423.5/28

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2475.730+/-0.407 χ^2/NDF:669949.7/29

Out: 2466.057+/-0.402 χ^2/NDF:517948.6/33

All: 2470.825+/-0.286 χ^2/NDF: 1188184.1/63



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2388.894+/-2506.742 χ^2/NDF:9.5/13

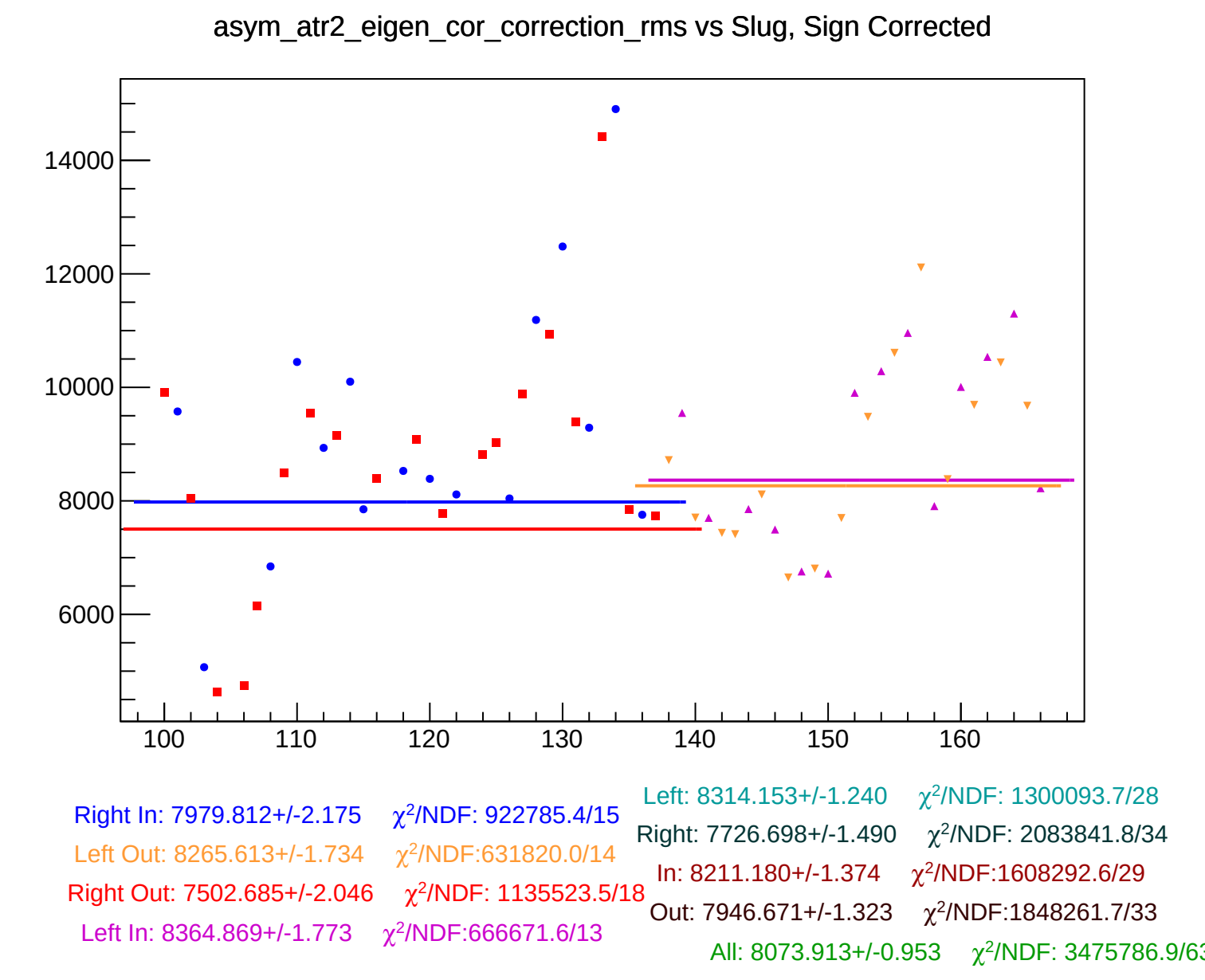
Left: 1559.945+/-1753.001 χ^2/NDF: 27.2/28

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

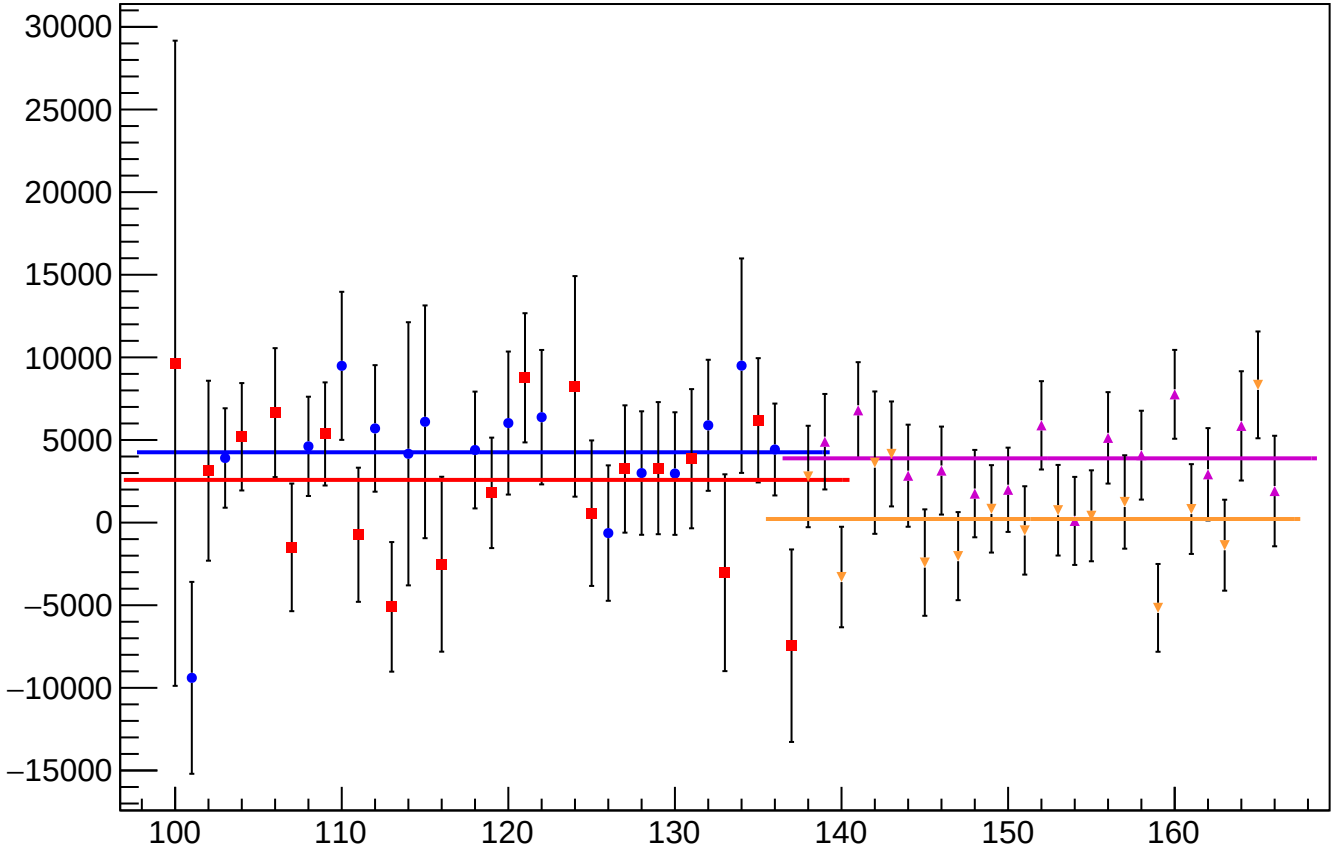
In: 437.421+/-1943.115 χ^2/NDF:24.8/29

Out: -72.242+/-1870.821 χ^2/NDF:34.4/33

All: 172.932+/-1347.703 χ^2/NDF: 59.2/63


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8265.613+/-1.734 χ²/NDF:631820.0/14
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8364.869+/-1.773 χ²/NDF:666671.6/13
Left: 8314.153+/-1.240 χ²/NDF: 1300093.7/28
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8211.180+/-1.374 χ²/NDF:1608292.6/29
Out: 7946.671+/-1.323 χ²/NDF:1848261.7/33
All: 8073.913+/-0.953 χ²/NDF: 3475786.9/63

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 218.934+/-749.096 χ^2/NDF:16.7/14

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3889.611+/-750.121 χ^2/NDF:8.2/13

Left: 2051.761+/-530.053 χ^2/NDF: 36.9/28

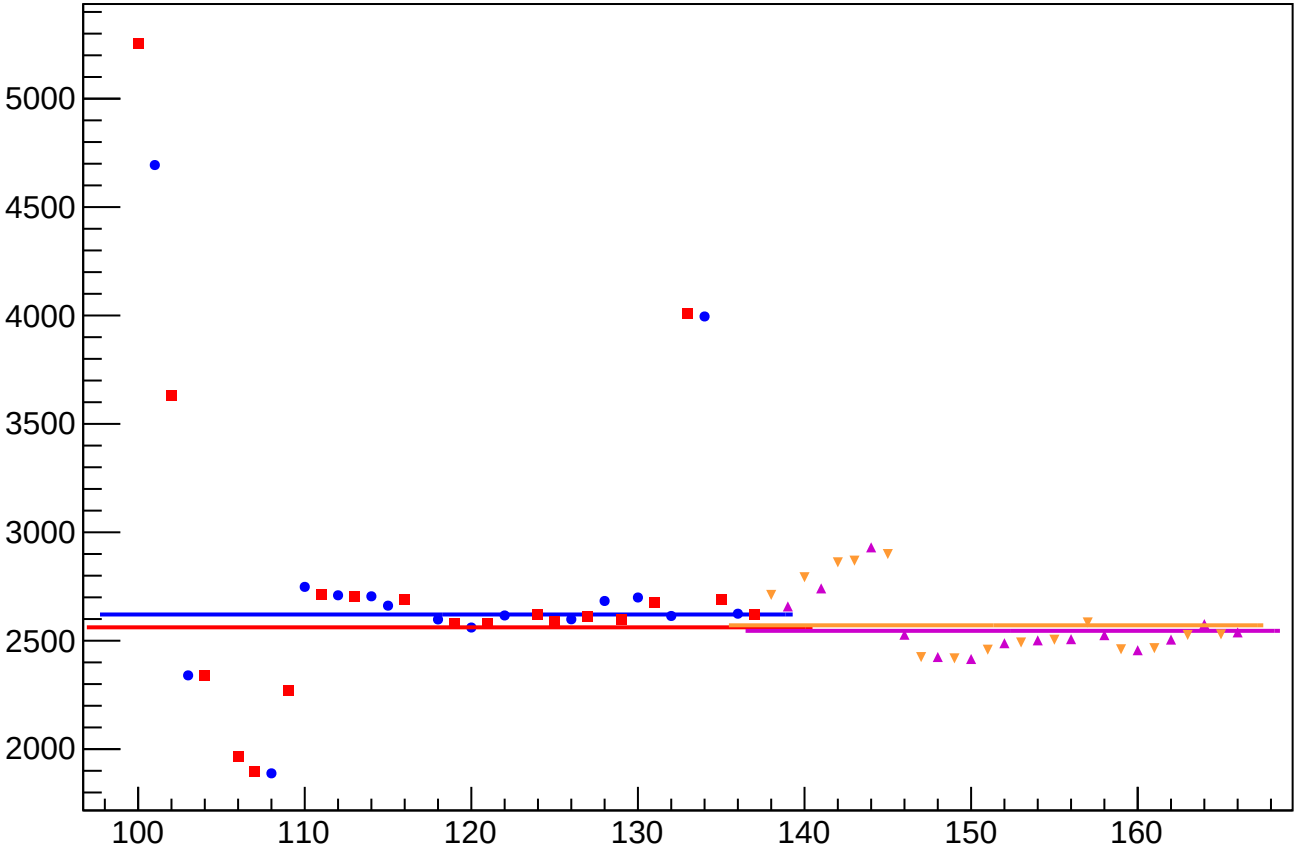
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4023.503+/-598.000 χ^2/NDF:18.3/29

Out: 1107.274+/-591.975 χ^2/NDF:38.0/33

All: 2550.625+/-420.704 χ^2/NDF: 68.4/63

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2571.066+/-0.530 χ^2/NDF:88777.5/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2545.557+/-0.530 χ^2/NDF:57345.9/13

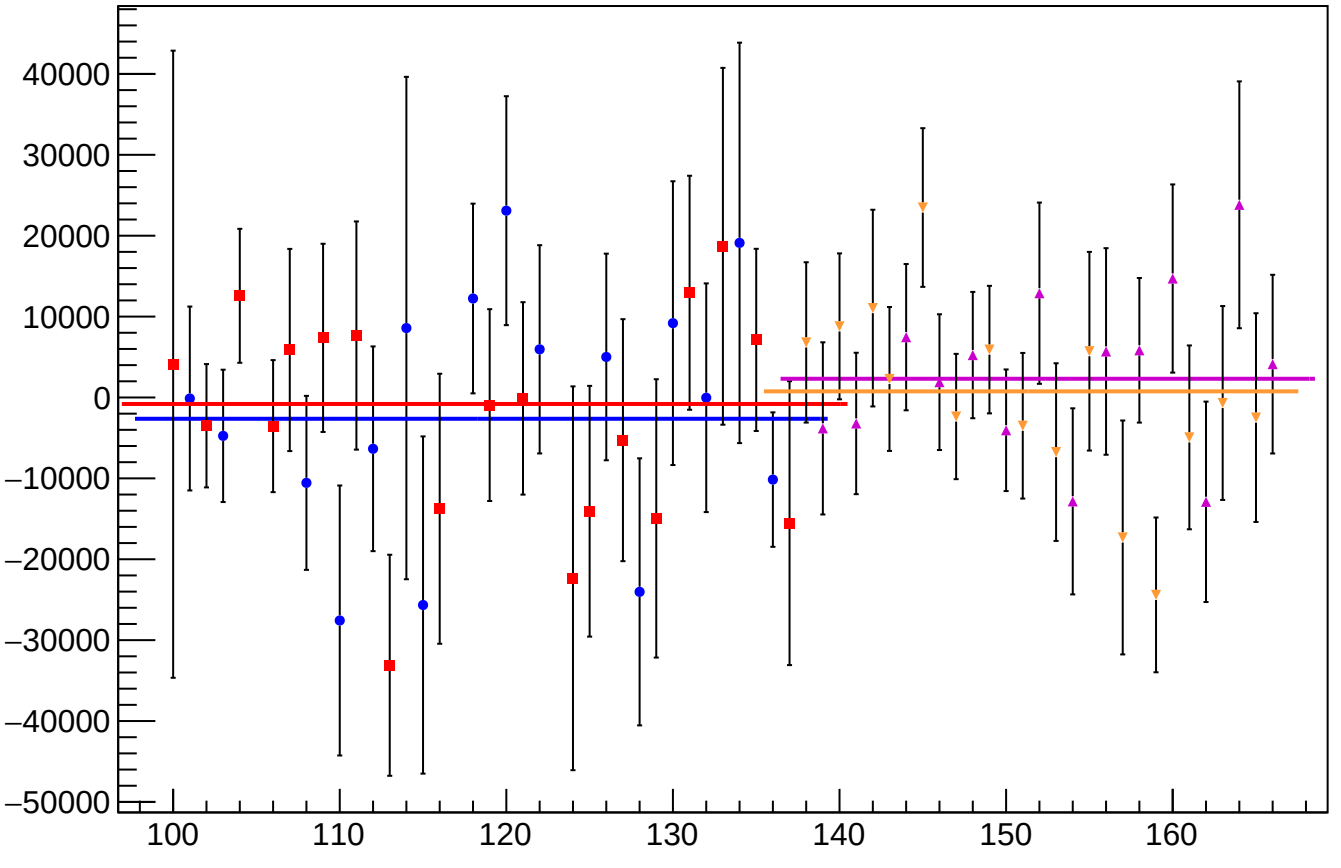
Left: 2558.329+/-0.375 χ^2/NDF: 147281.6/28

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2573.040+/-0.423 χ^2/NDF:550626.3/29

Out: 2567.554+/-0.418 χ^2/NDF:467154.1/33

All: 2570.268+/-0.297 χ^2/NDF: 1017865.4/63



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 757.899+/-2593.245 χ^2/NDF:17.5/14

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2313.653+/-2644.253 χ^2/NDF:9.4/13

Left: 1520.626+/-1851.472 χ^2/NDF: 27.1/28

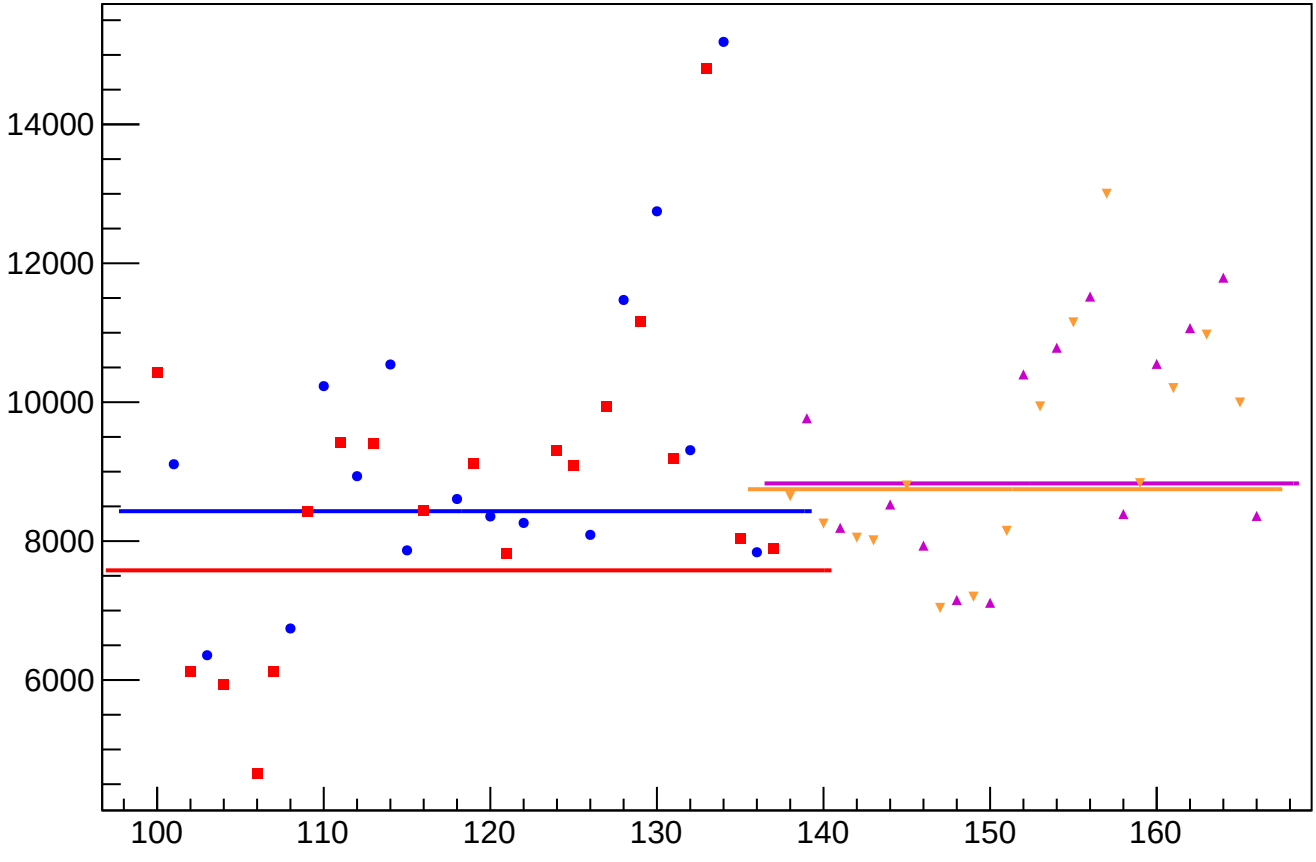
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: 315.495+/-2041.340 χ^2/NDF:24.6/29

Out: 57.162+/-1925.008 χ^2/NDF:33.1/33

All: 178.758+/-1400.507 χ^2/NDF: 57.7/63

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8747.345+/-1.834 χ^2/NDF:603652.2/14

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8830.722+/-1.870 χ^2/NDF:626572.4/13

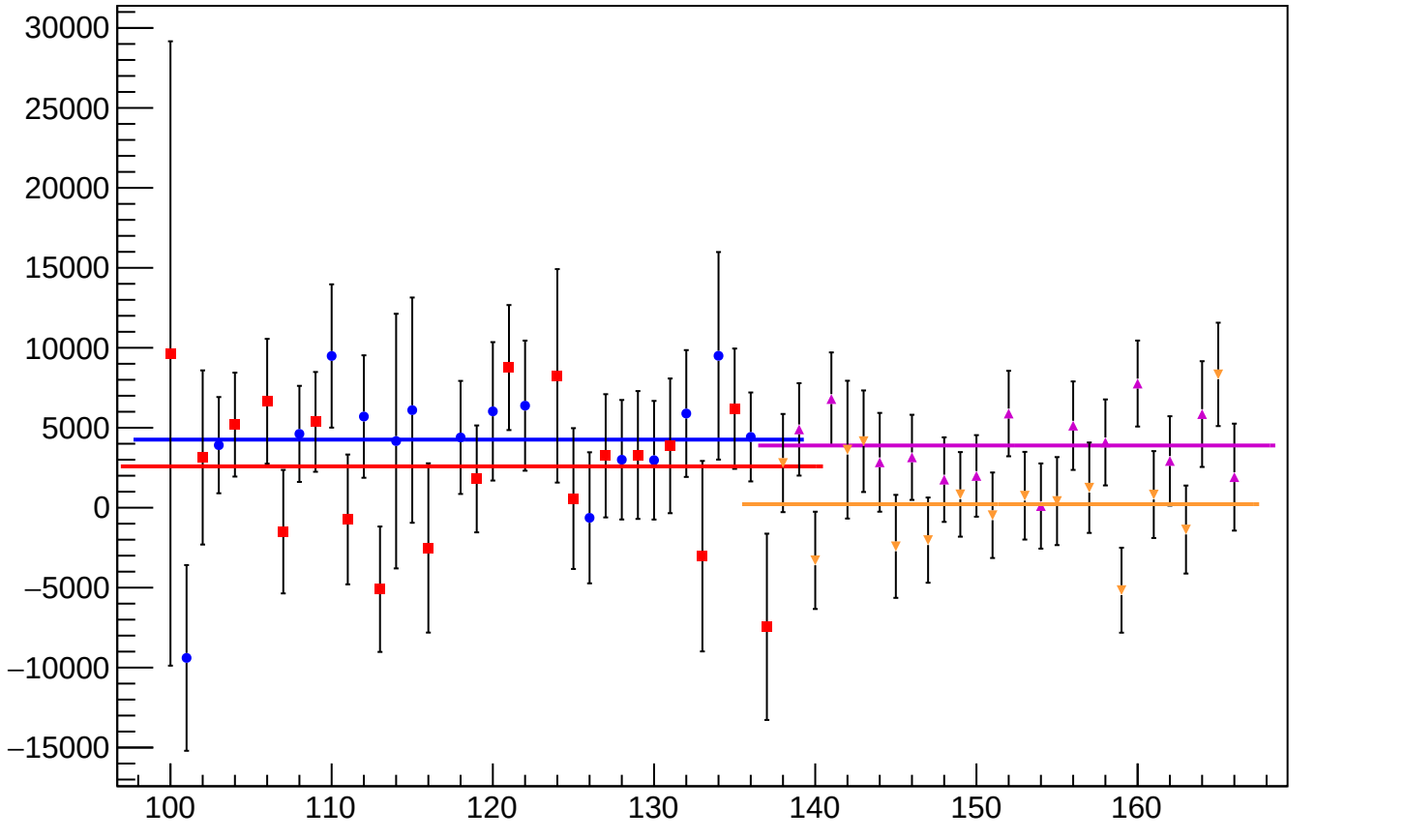
Left: 8788.222+/-1.309 χ^2/NDF: 1231238.2/28

Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

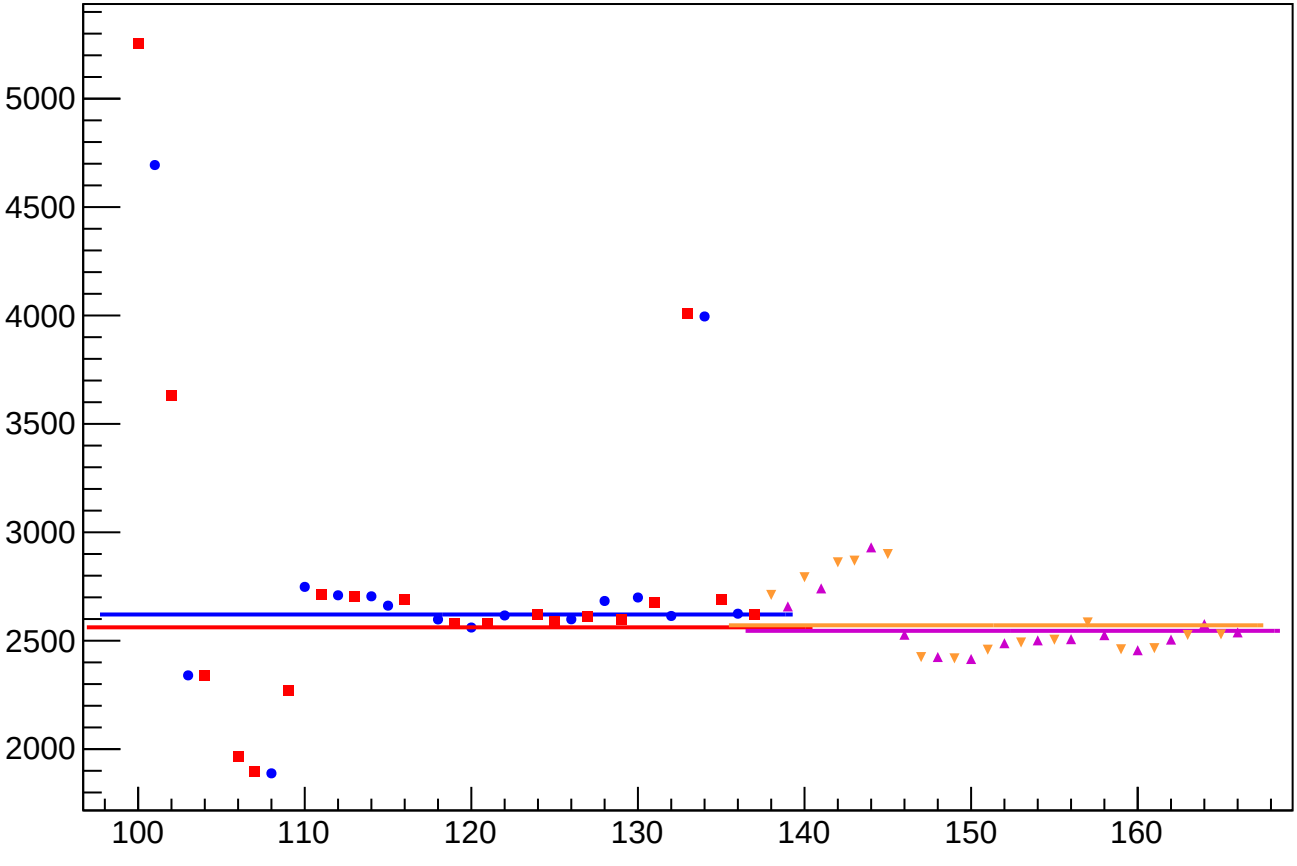
In: 8669.129+/-1.443 χ^2/NDF:1225354.1/29

Out: 8222.848+/-1.361 χ^2/NDF:1760007.4/33

All: 8432.910+/-0.990 χ^2/NDF: 3035958.1/63


eigen_dit_asym_atr2_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 4256.984+/-990.541 χ²/NDF: 10.1/15
Left Out: 218.912+/-749.096 χ²/NDF:16.7/14
Right Out: 2584.699+/-966.048 χ²/NDF: 17.6/18
Left In: 3889.616+/-750.122 χ²/NDF:8.2/13
Left: 2051.753+/-530.053 χ²/NDF: 36.9/28
Right: 3399.911+/-691.596 χ²/NDF: 29.1/34
In: 4023.509+/-598.000 χ²/NDF:18.3/29
Out: 1107.265+/-591.976 χ²/NDF:38.0/33
All: 2550.624+/-420.704 χ²/NDF: 68.4/63

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2571.069+/-0.530 χ^2/NDF:88777.3/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2545.559+/-0.530 χ^2/NDF:57345.6/13

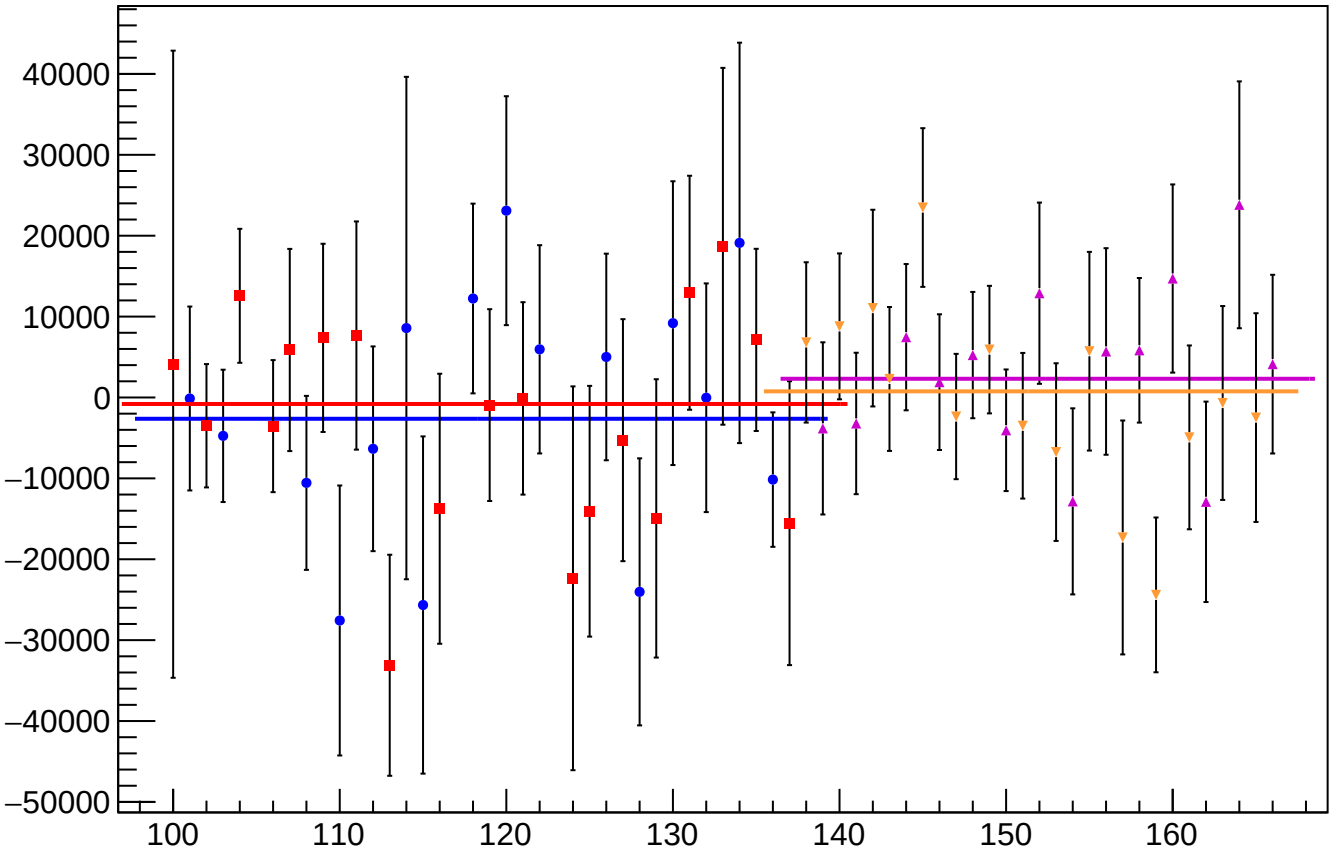
Left: 2558.332+/-0.375 χ^2/NDF: 147281.0/28

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2573.041+/-0.423 χ^2/NDF:550625.6/29

Out: 2567.555+/-0.418 χ^2/NDF:467153.3/33

All: 2570.270+/-0.297 χ^2/NDF: 1017863.9/63



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 757.891+/-2593.249 χ^2/NDF:17.5/14

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2313.650+/-2644.258 χ^2/NDF:9.4/13

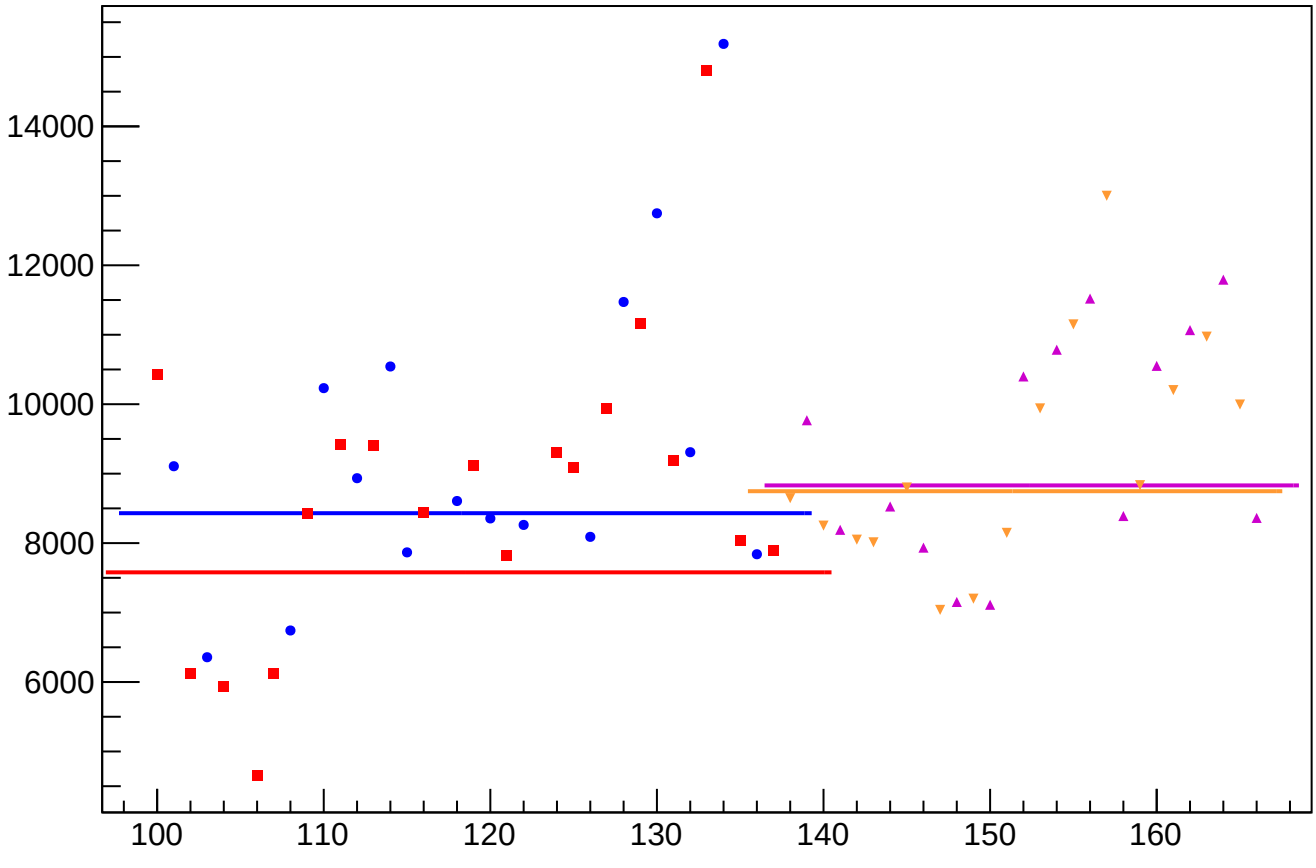
Left: 1520.620+/-1851.475 χ^2/NDF: 27.1/28

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 315.499+/-2041.341 χ^2/NDF:24.6/29

Out: 57.157+/-1925.009 χ^2/NDF:33.1/33

All: 178.757+/-1400.508 χ^2/NDF: 57.7/63



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8747.359+/-1.834 χ^2/NDF:603652.9/14

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8830.736+/-1.870 χ^2/NDF:626572.1/13

Left: 8788.236+/-1.309 χ^2/NDF: 1231238.7/28

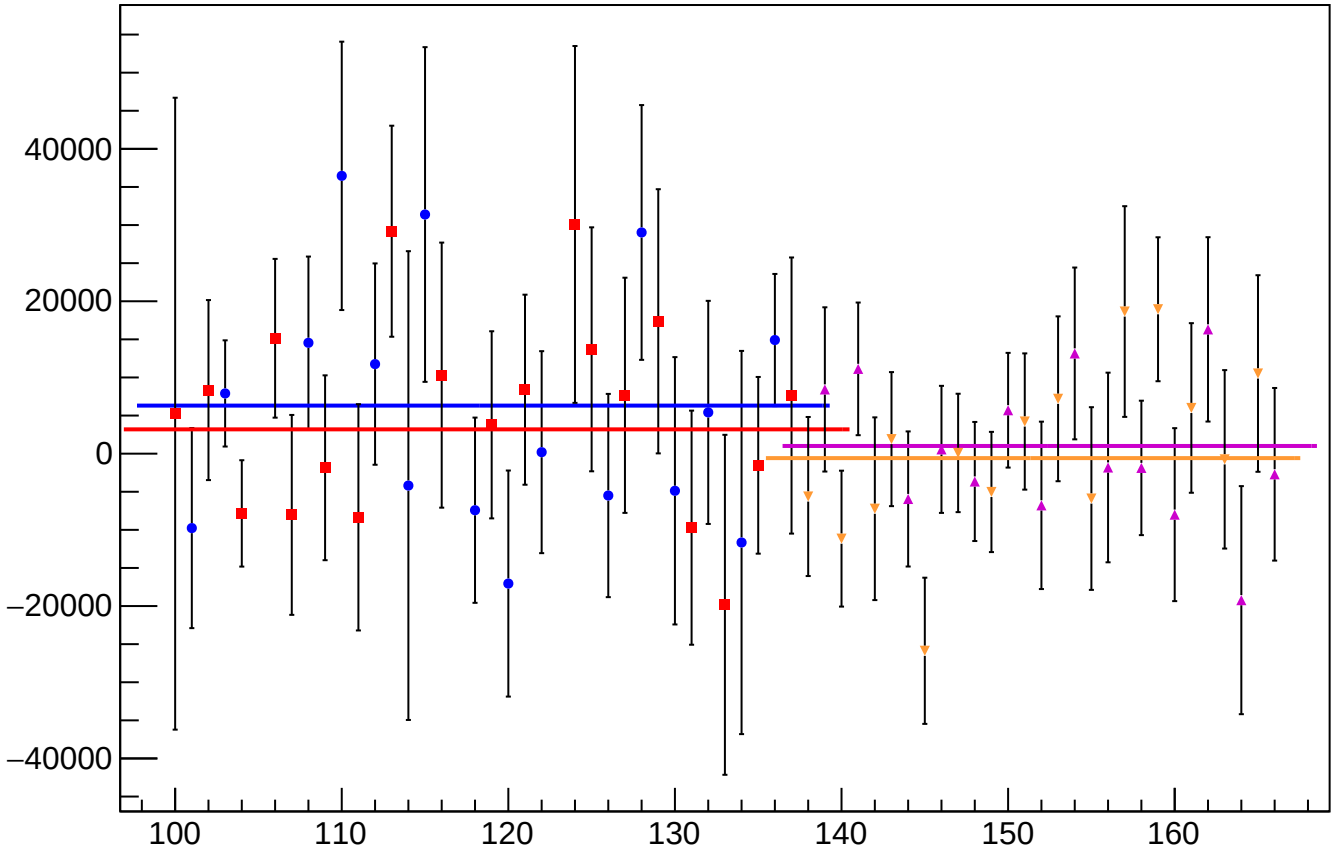
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8669.133+/-1.443 χ^2/NDF:1225350.4/29

Out: 8222.848+/-1.361 χ^2/NDF:1760012.4/33

All: 8432.912+/-0.990 χ^2/NDF: 3035960.2/63

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -584.901+/-2573.712 χ^2/NDF:17.6/14

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1009.145+/-2623.791 χ^2/NDF:9.2/13

Left: 196.764+/-1837.339 χ^2/NDF: 27.0/28

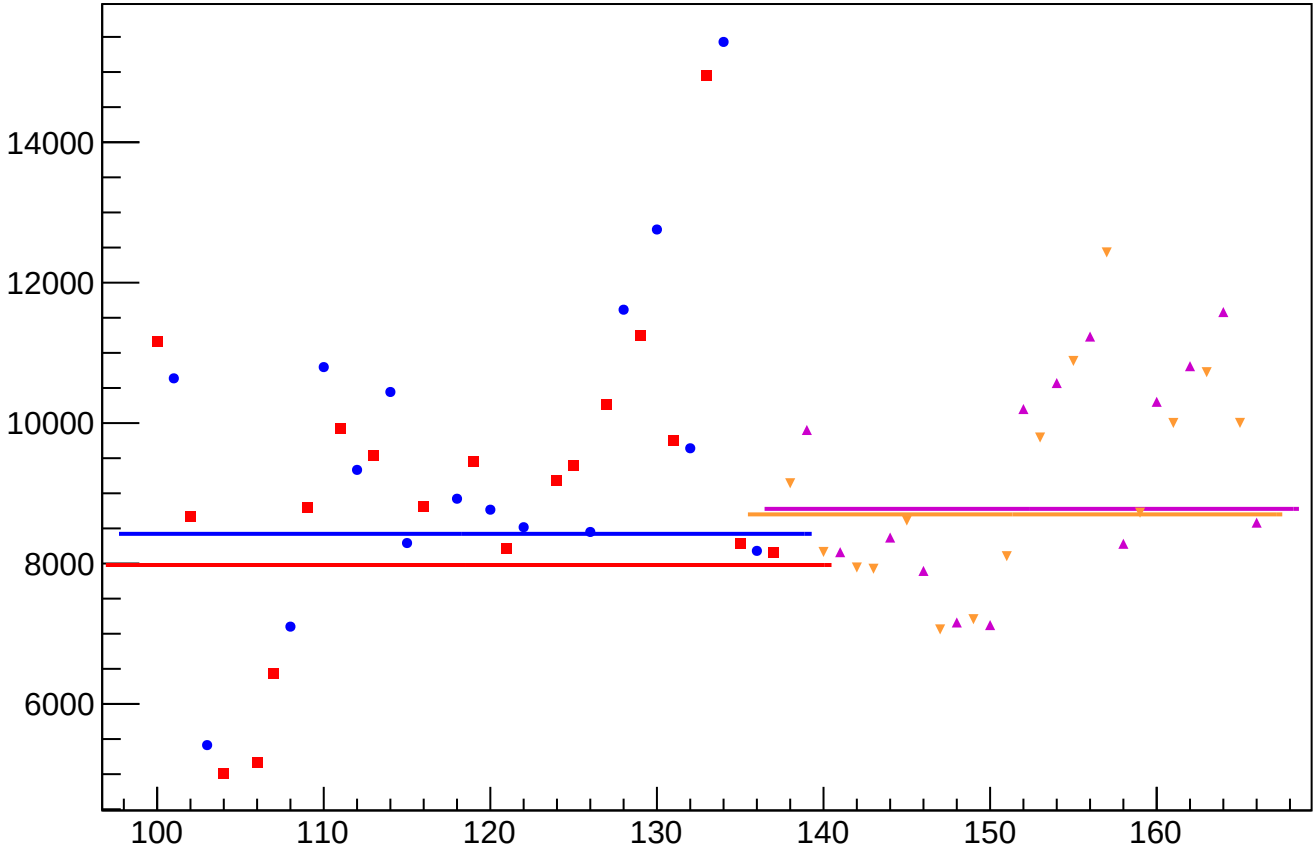
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3107.664+/-2038.967 χ^2/NDF:25.9/29

Out: 973.687+/-1971.953 χ^2/NDF:32.4/33

All: 2005.031+/-1417.481 χ^2/NDF: 58.8/63

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8699.792+/-1.820 χ^2/NDF:544027.0/14

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8778.355+/-1.855 χ^2/NDF:572399.9/13

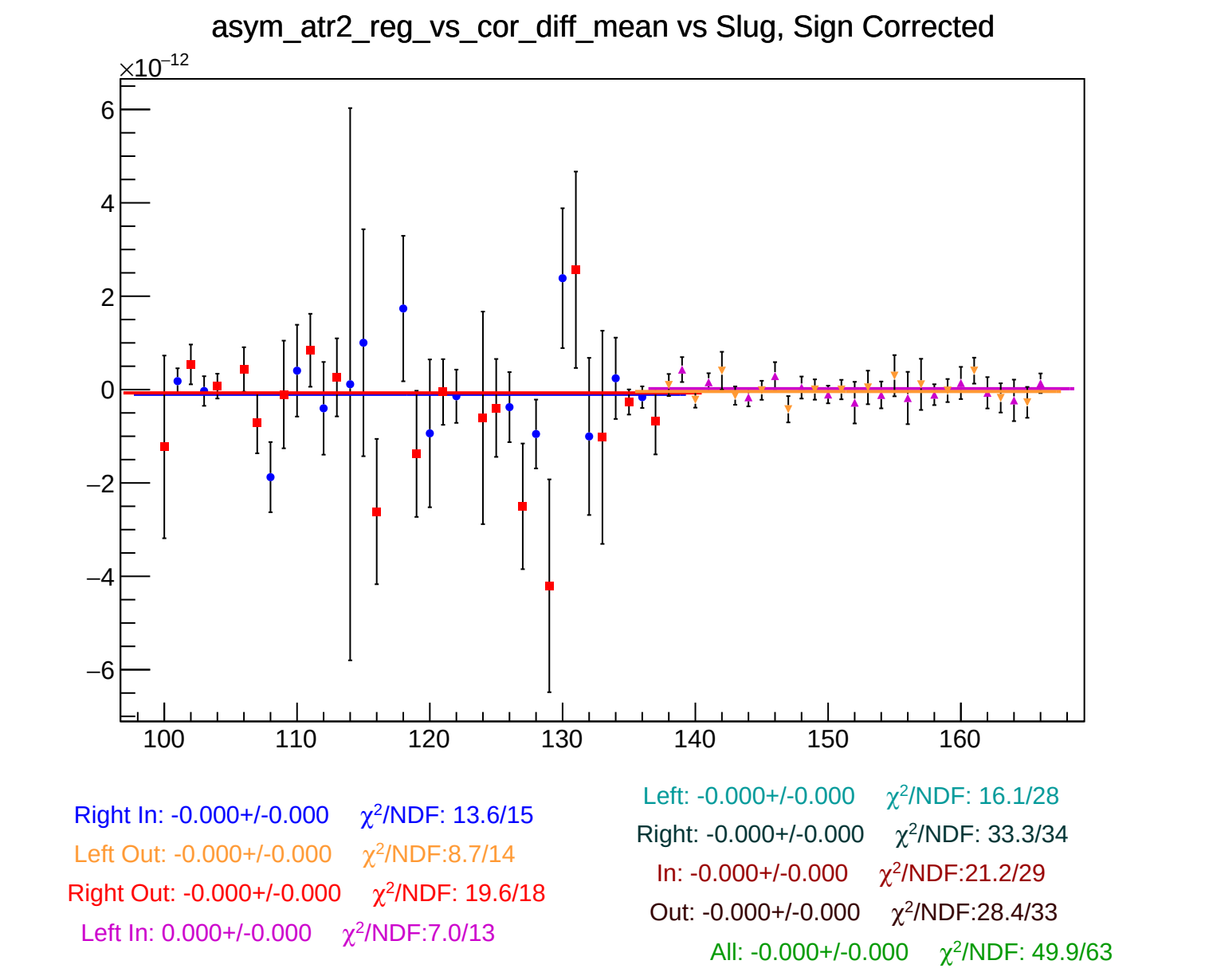
Left: 8738.316+/-1.299 χ^2/NDF: 1117340.7/28

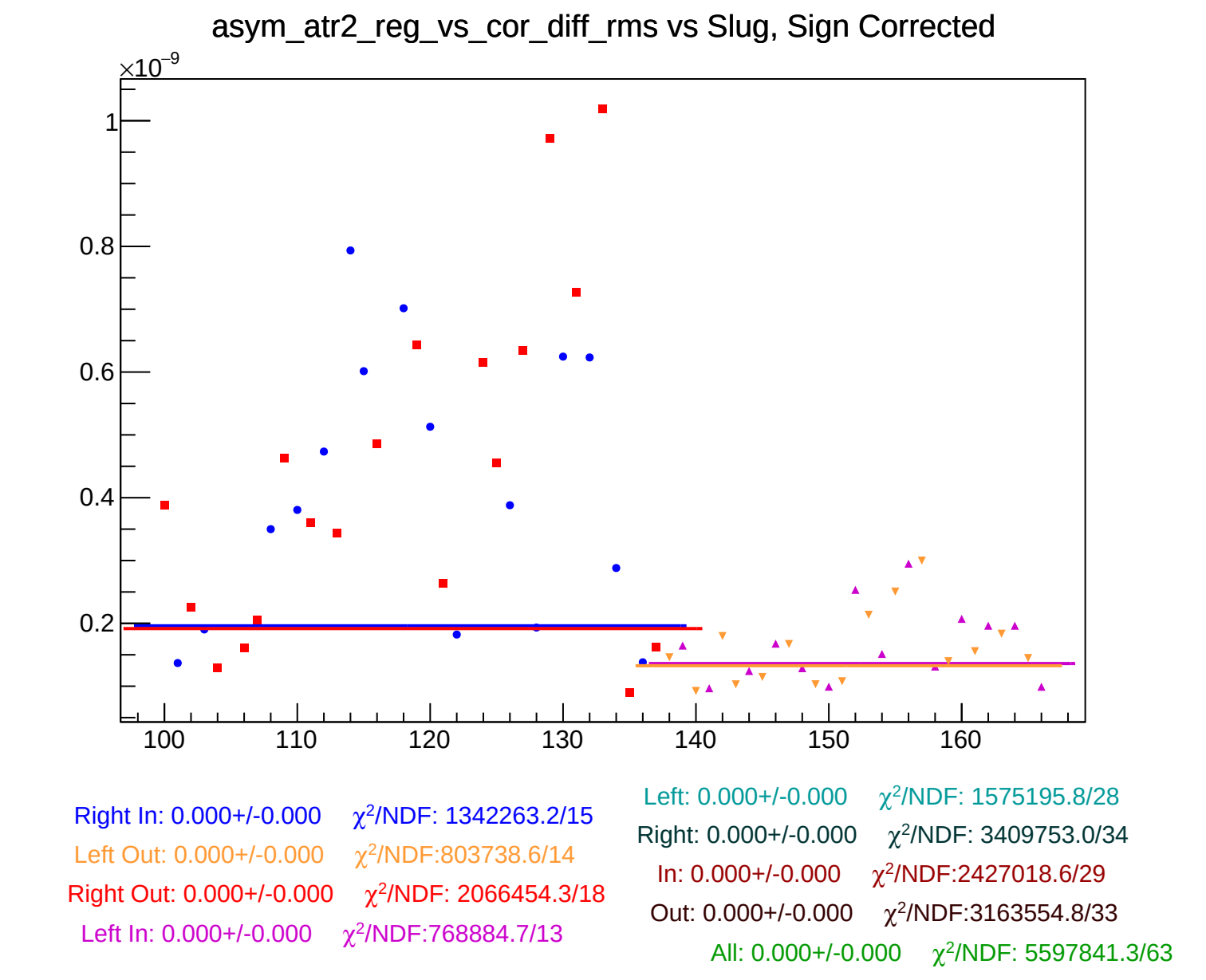
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

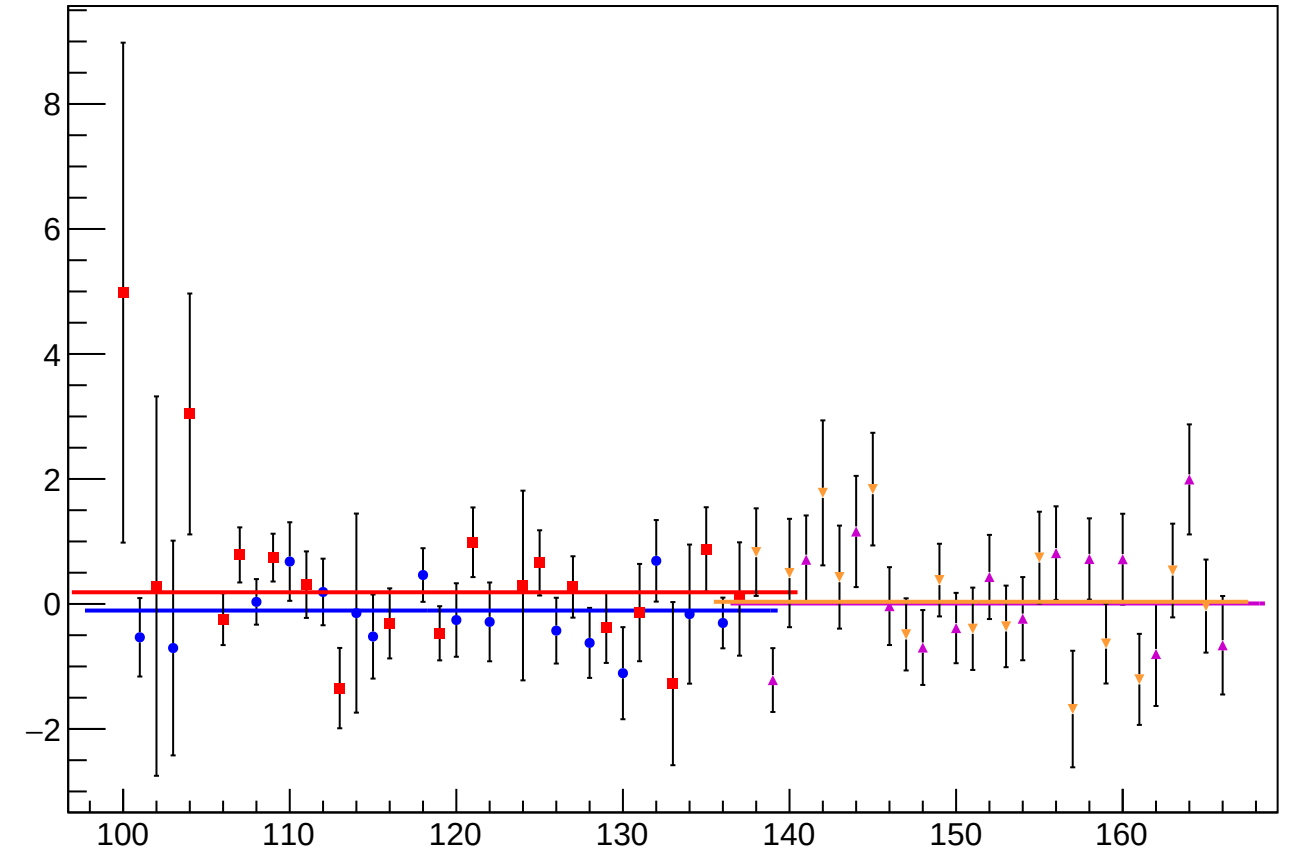
In: 8637.485+/-1.442 χ^2/NDF:1468788.3/29

Out: 8402.131+/-1.394 χ^2/NDF:1624826.2/33

All: 8515.876+/-1.002 χ^2/NDF: 3107383.3/63


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:8.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:7.0/13
Left: -0.000+/-0.000 χ²/NDF: 16.1/28
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:21.2/29
Out: -0.000+/-0.000 χ²/NDF:28.4/33
All: -0.000+/-0.000 χ²/NDF: 49.9/63


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:803738.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:768884.7/13
Left: 0.000+/-0.000 χ²/NDF: 1575195.8/28
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2427018.6/29
Out: 0.000+/-0.000 χ²/NDF:3163554.8/33
All: 0.000+/-0.000 χ²/NDF: 5597841.3/63



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

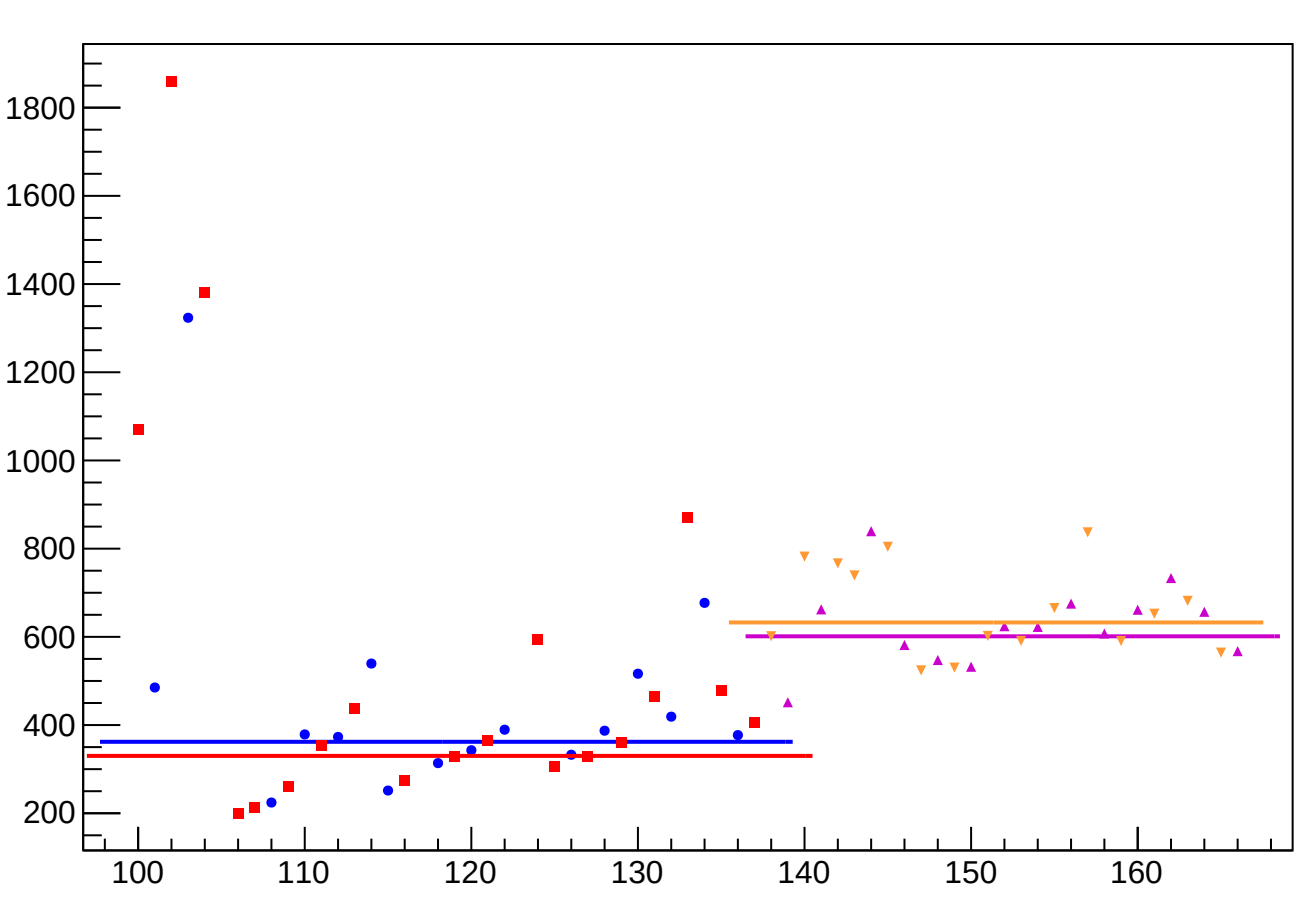
Left: 0.021+/-0.130 χ^2/NDF: 39.7/28

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.038+/-0.079 χ^2/NDF: 75.4/63



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 601.241+/-0.128 χ^2/NDF:478166.9/13

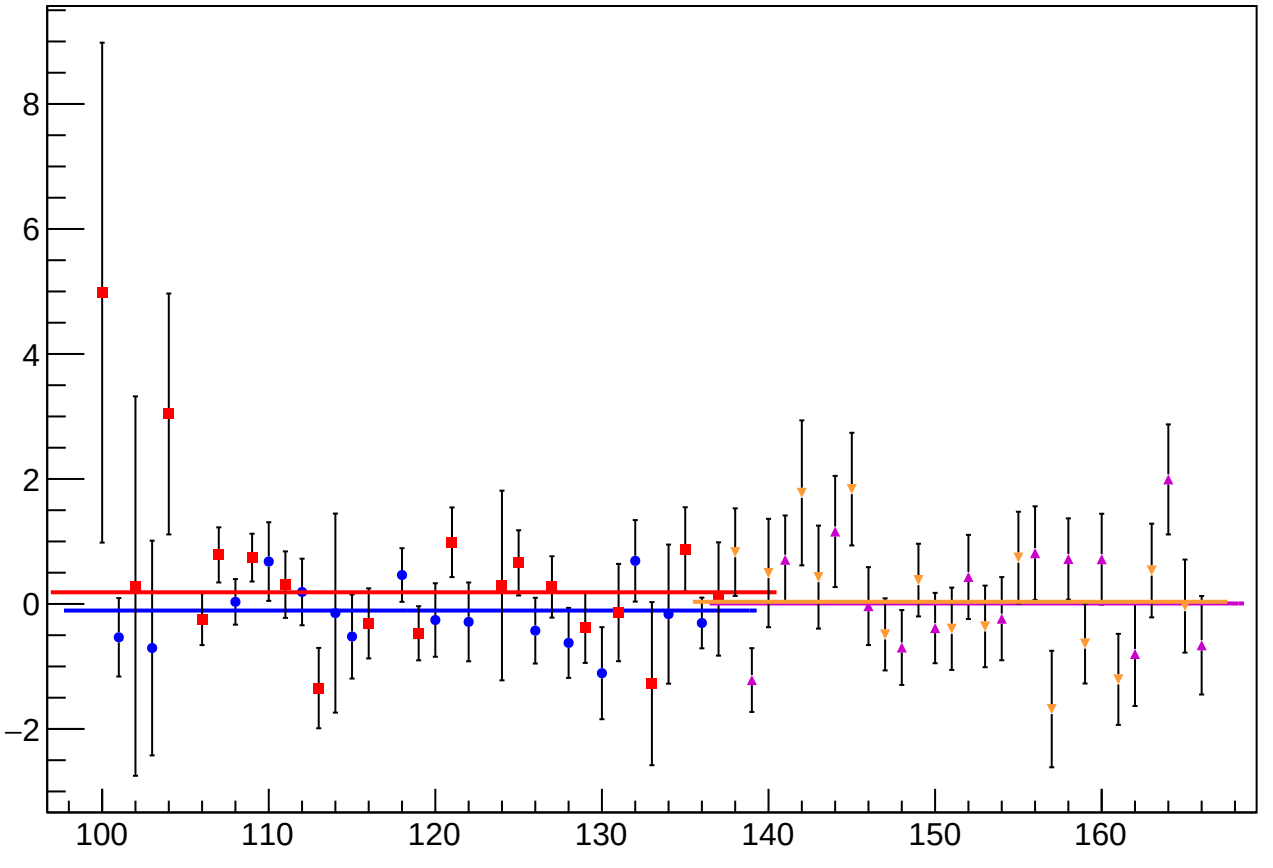
Left: 616.372+/-0.092 χ^2/NDF: 983894.2/28

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 455.187+/-0.080 χ^2/NDF:3984290.7/29

Out: 435.573+/-0.078 χ^2/NDF:6103805.8/33

All: 445.191+/-0.056 χ^2/NDF: 10118774.9/63



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

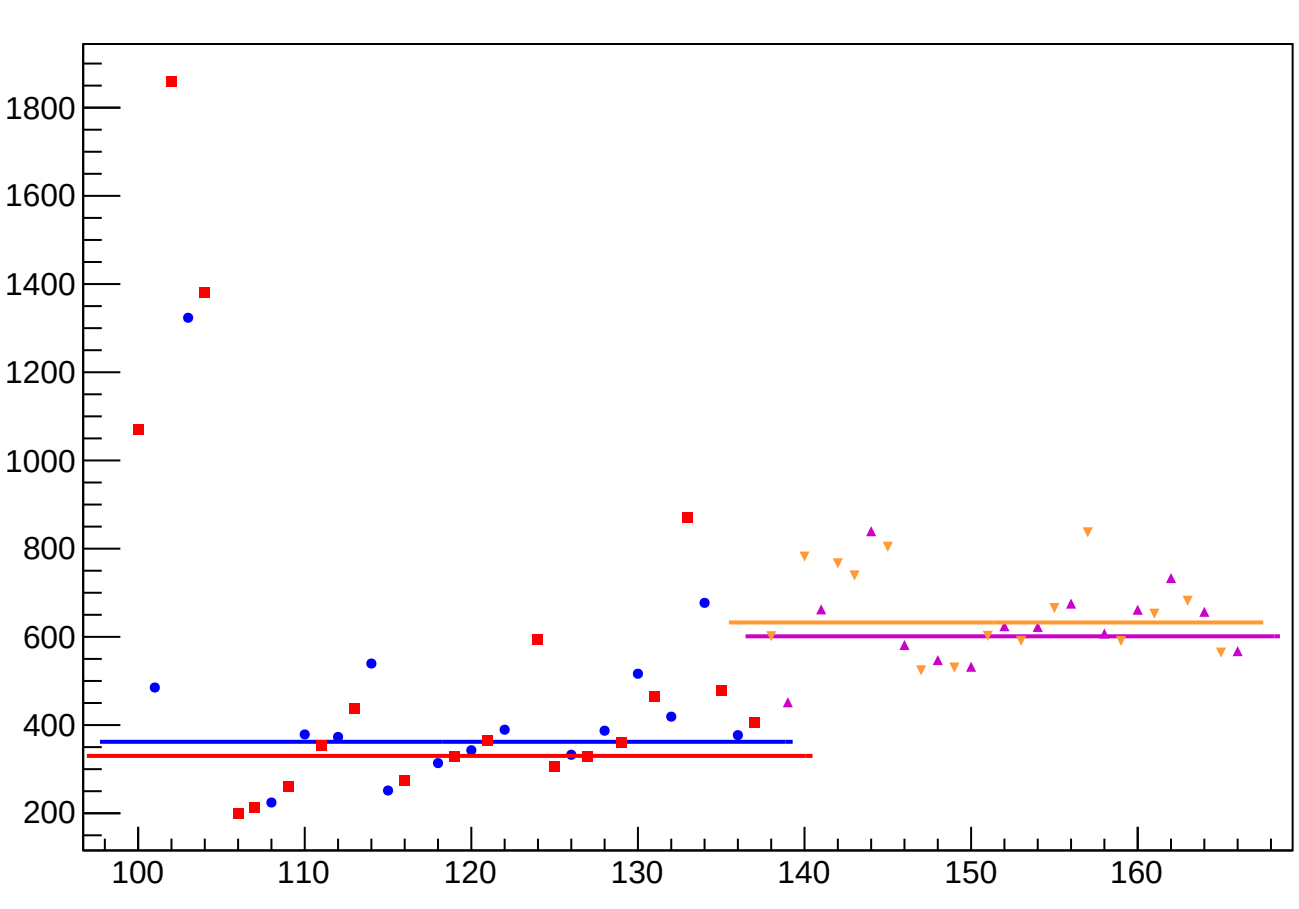
Left: 0.021+/-0.130 χ^2/NDF: 39.7/28

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.038+/-0.079 χ^2/NDF: 75.4/63



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 601.241+/-0.128 χ^2/NDF:478166.9/13

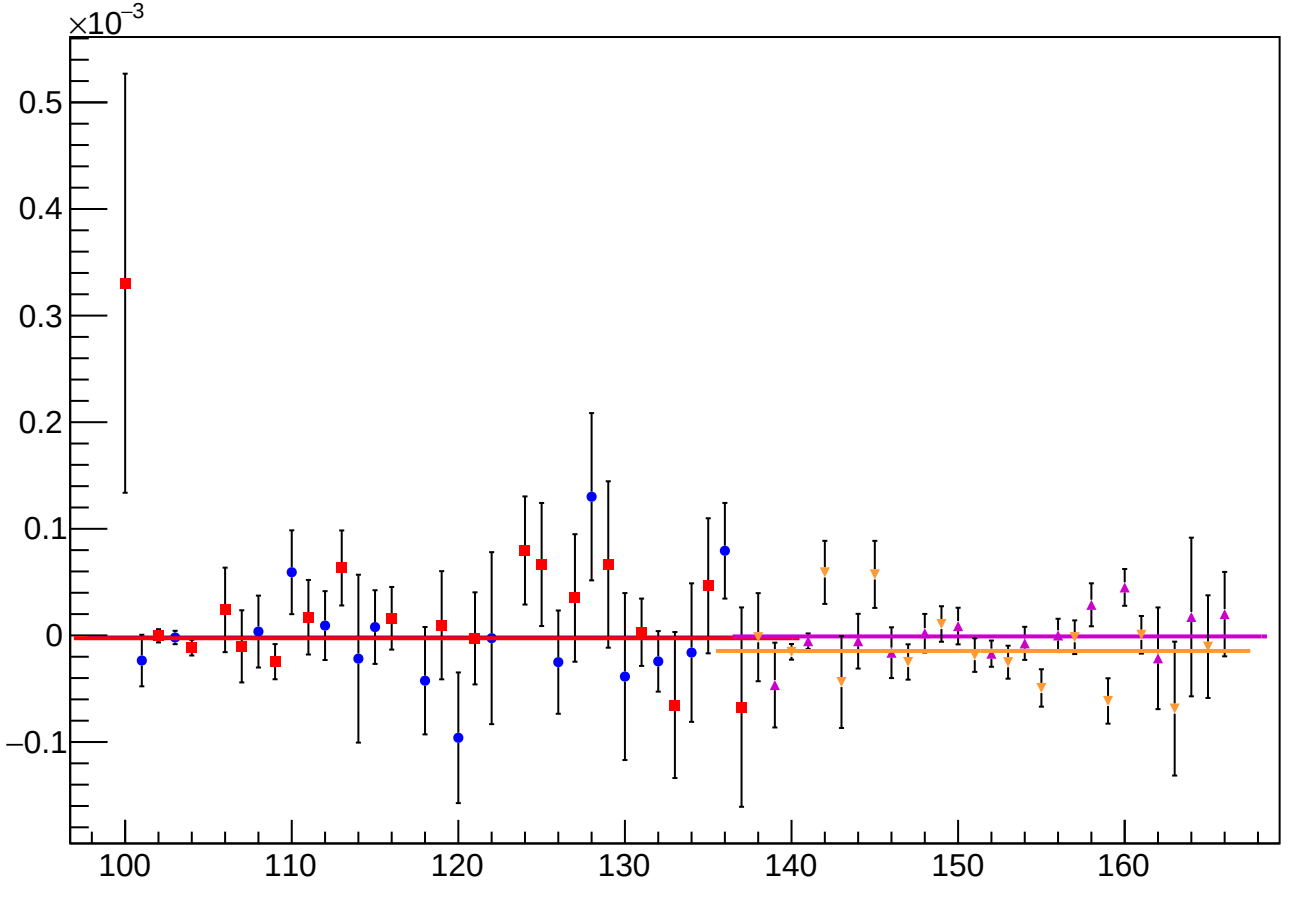
Left: 616.372+/-0.092 χ^2/NDF: 983894.2/28

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 455.187+/-0.080 χ^2/NDF:3984290.7/29

Out: 435.573+/-0.078 χ^2/NDF:6103805.8/33

All: 445.191+/-0.056 χ^2/NDF: 10118774.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/13

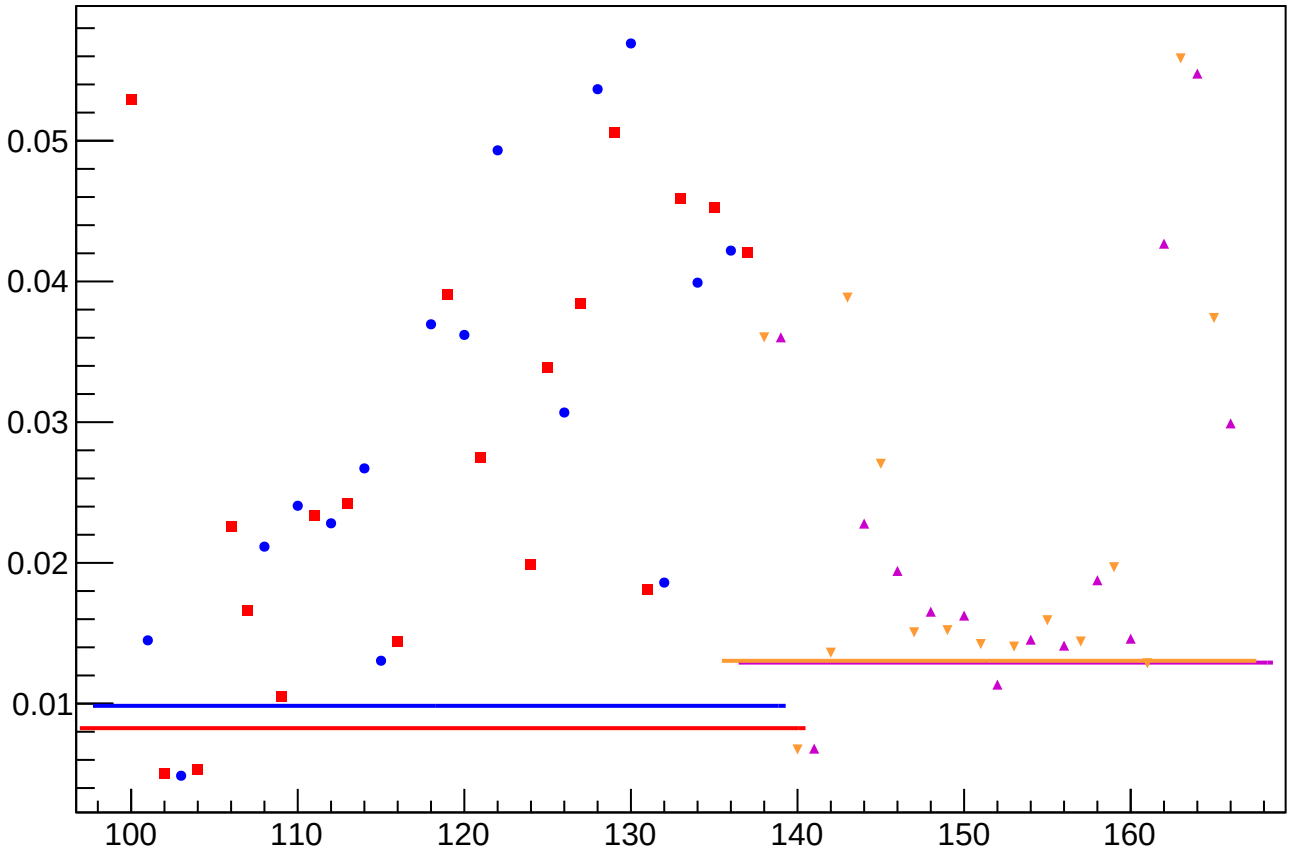
Left: -0.000+/-0.000 χ^2/NDF: 45.1/28

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:28.0/29

Out: -0.000+/-0.000 χ^2/NDF:48.1/33

All: -0.000+/-0.000 χ^2/NDF: 78.4/63



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4991865.9/14

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4737752.0/13

Left: 0.013+/-0.000 χ^2/NDF: 9730446.7/28

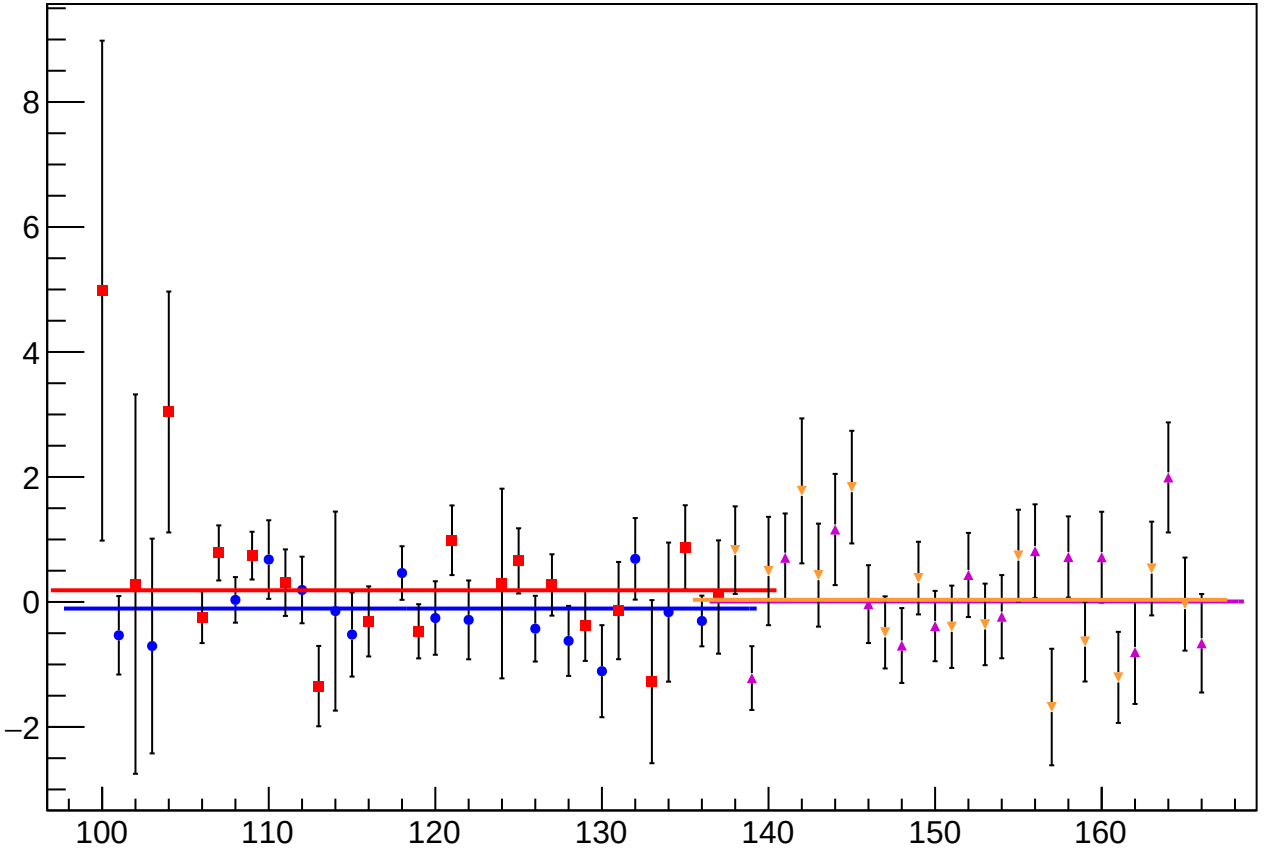
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12177660.6/29

Out: 0.011+/-0.000 χ^2/NDF:12950628.1/33

All: 0.011+/-0.000 χ^2/NDF: 25255835.6/63

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

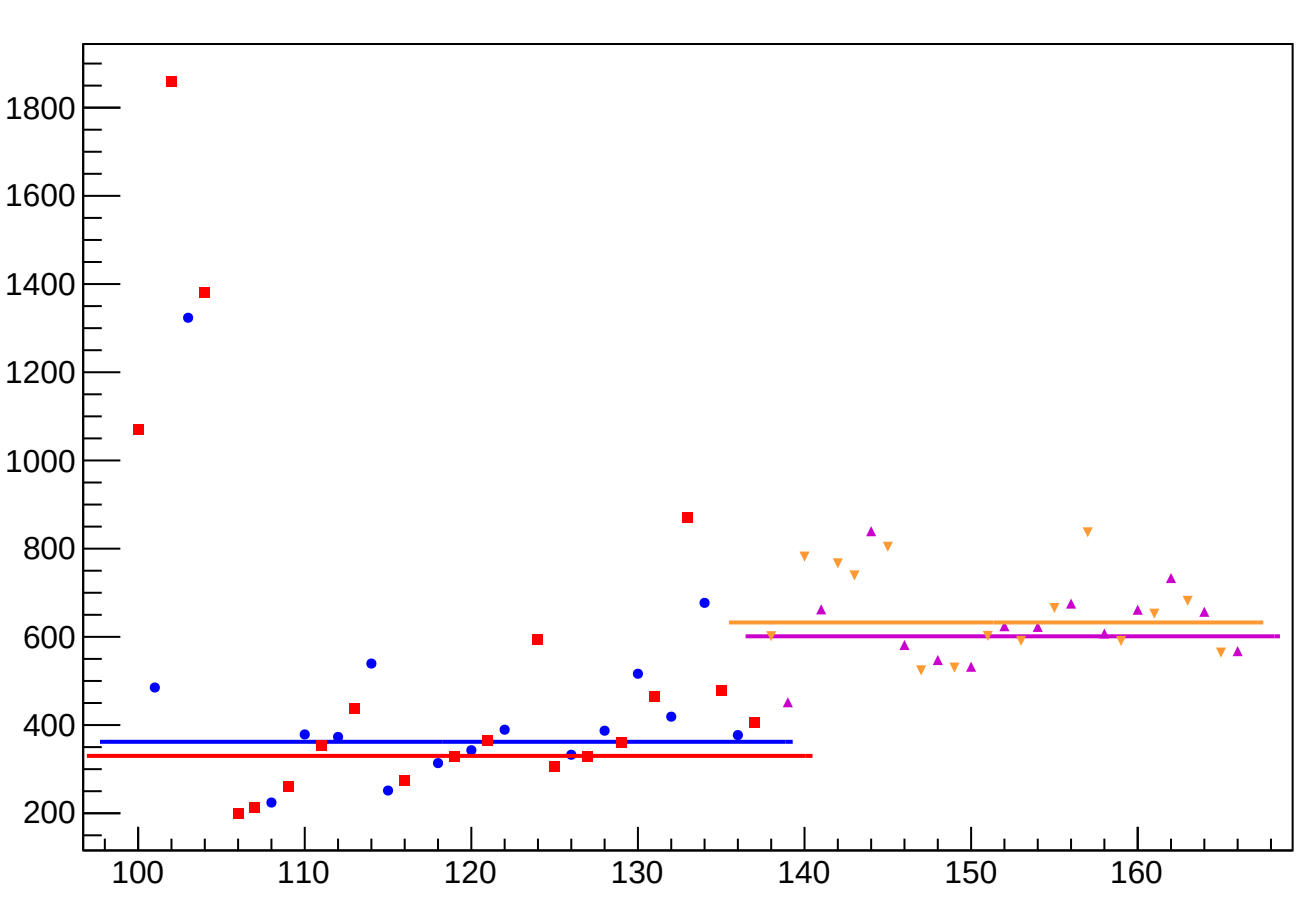
Left: 0.021+/-0.130 χ^2/NDF: 39.7/28

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.038+/-0.079 χ^2/NDF: 75.4/63



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 601.250+/-0.128 χ^2/NDF:478157.6/13

Left: 616.382+/-0.092 χ^2/NDF: 983871.2/28

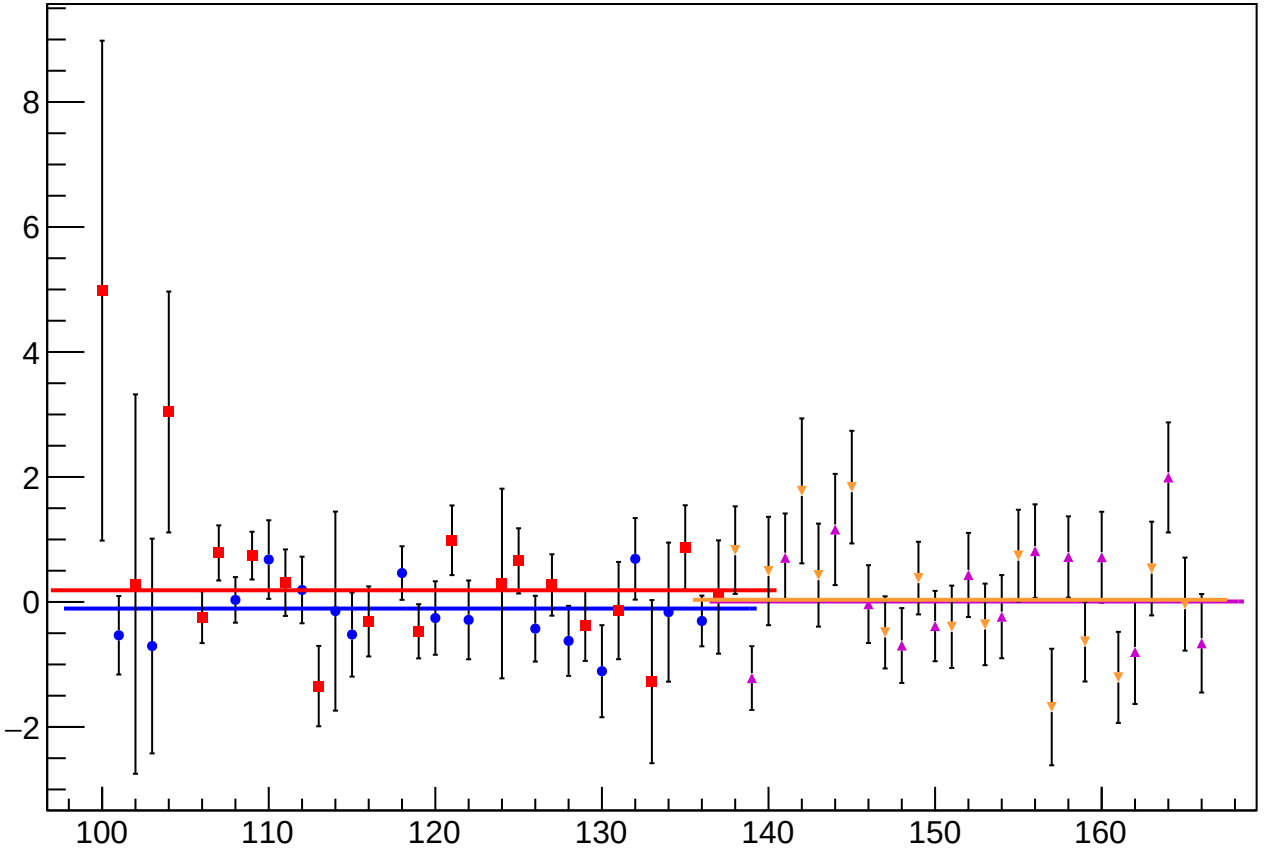
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 455.186+/-0.080 χ^2/NDF:3984467.3/29

Out: 435.573+/-0.078 χ^2/NDF:6103987.6/33

All: 445.190+/-0.056 χ^2/NDF: 10119131.3/63

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.008+/-0.181 χ^2/NDF:20.9/13

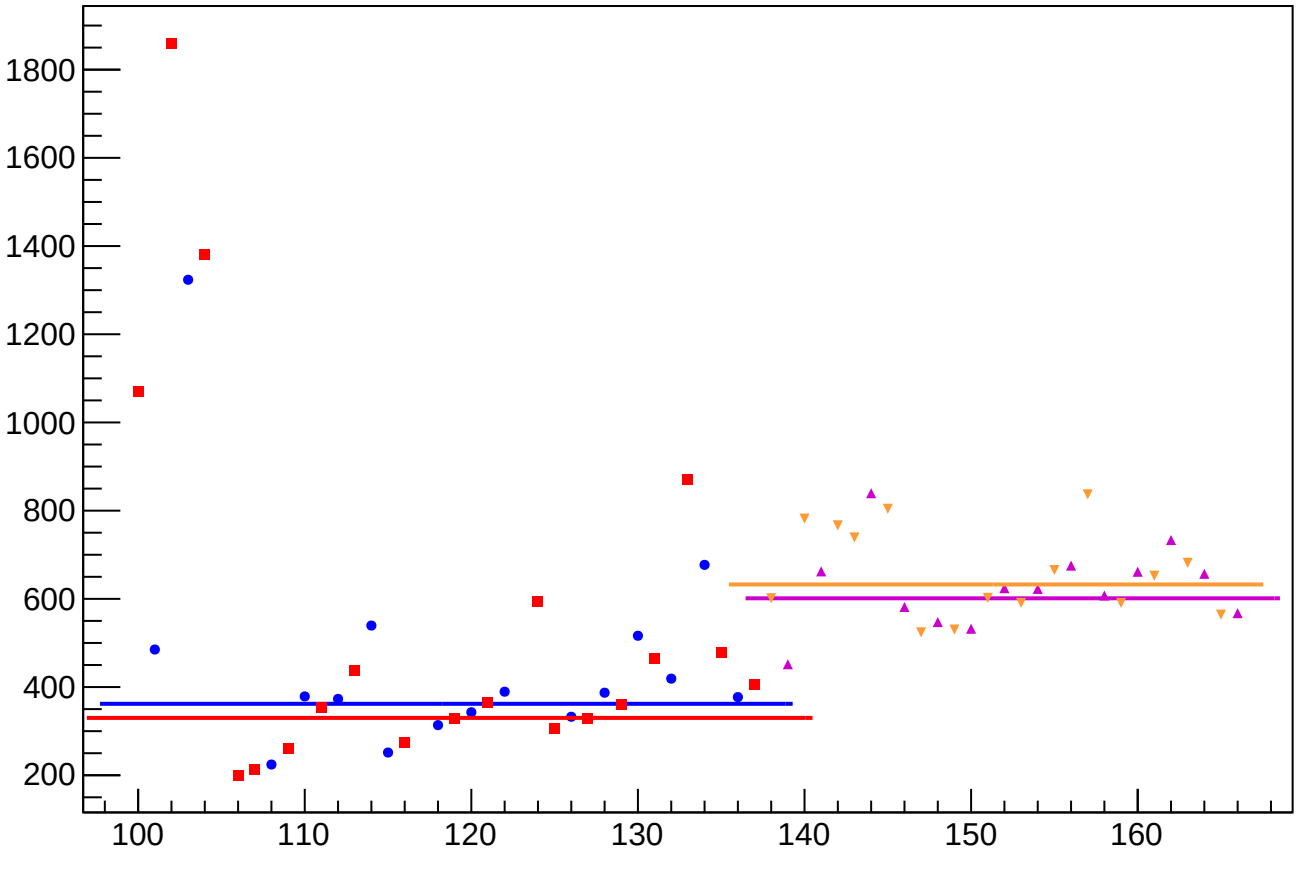
Left: 0.021+/-0.130 χ^2/NDF: 39.7/28

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.061+/-0.113 χ^2/NDF:30.8/29

Out: 0.134+/-0.111 χ^2/NDF:43.1/33

All: 0.038+/-0.079 χ^2/NDF: 75.4/63



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 601.250+/-0.128 χ^2/NDF:478157.6/13

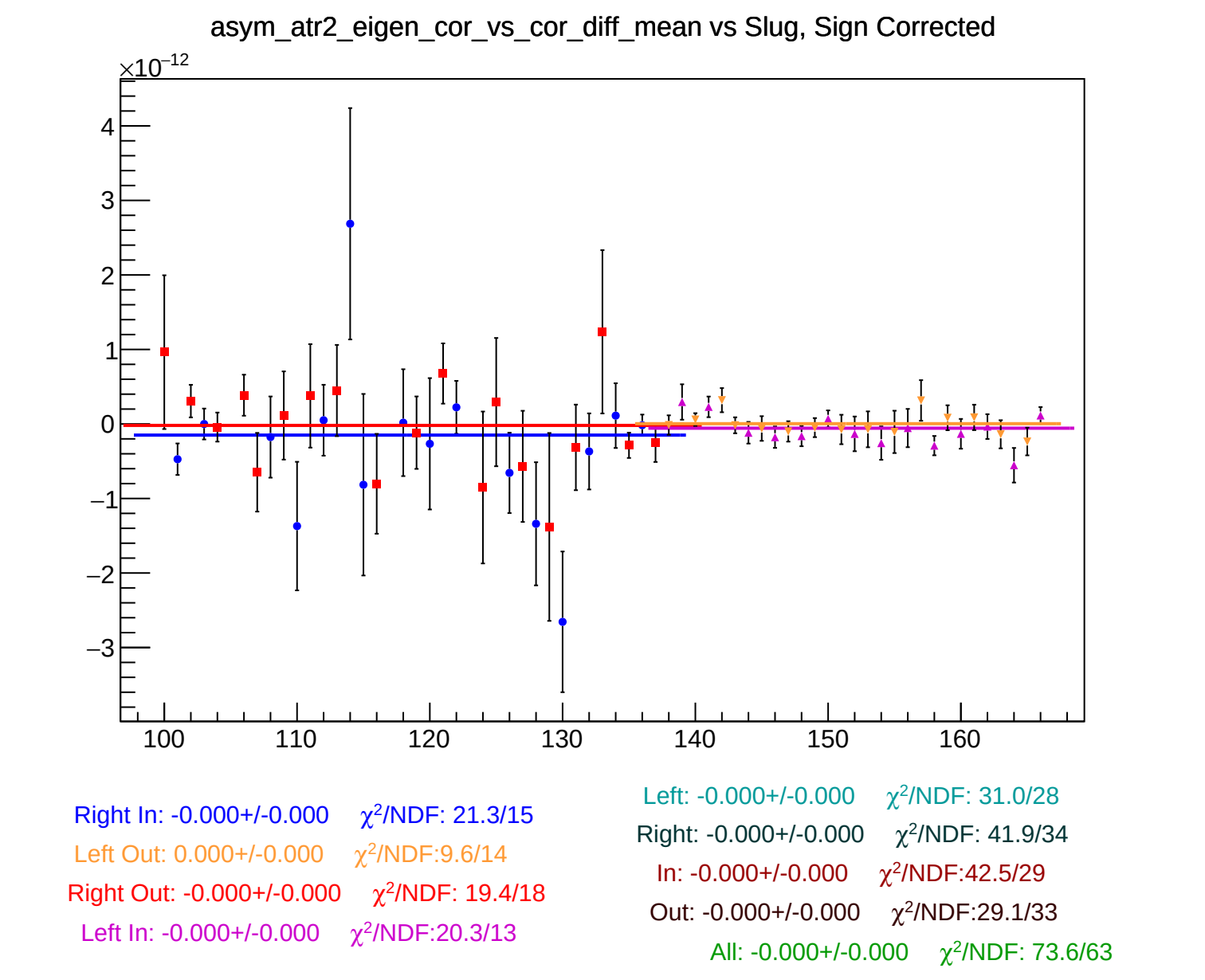
Left: 616.382+/-0.092 χ^2/NDF: 983871.2/28

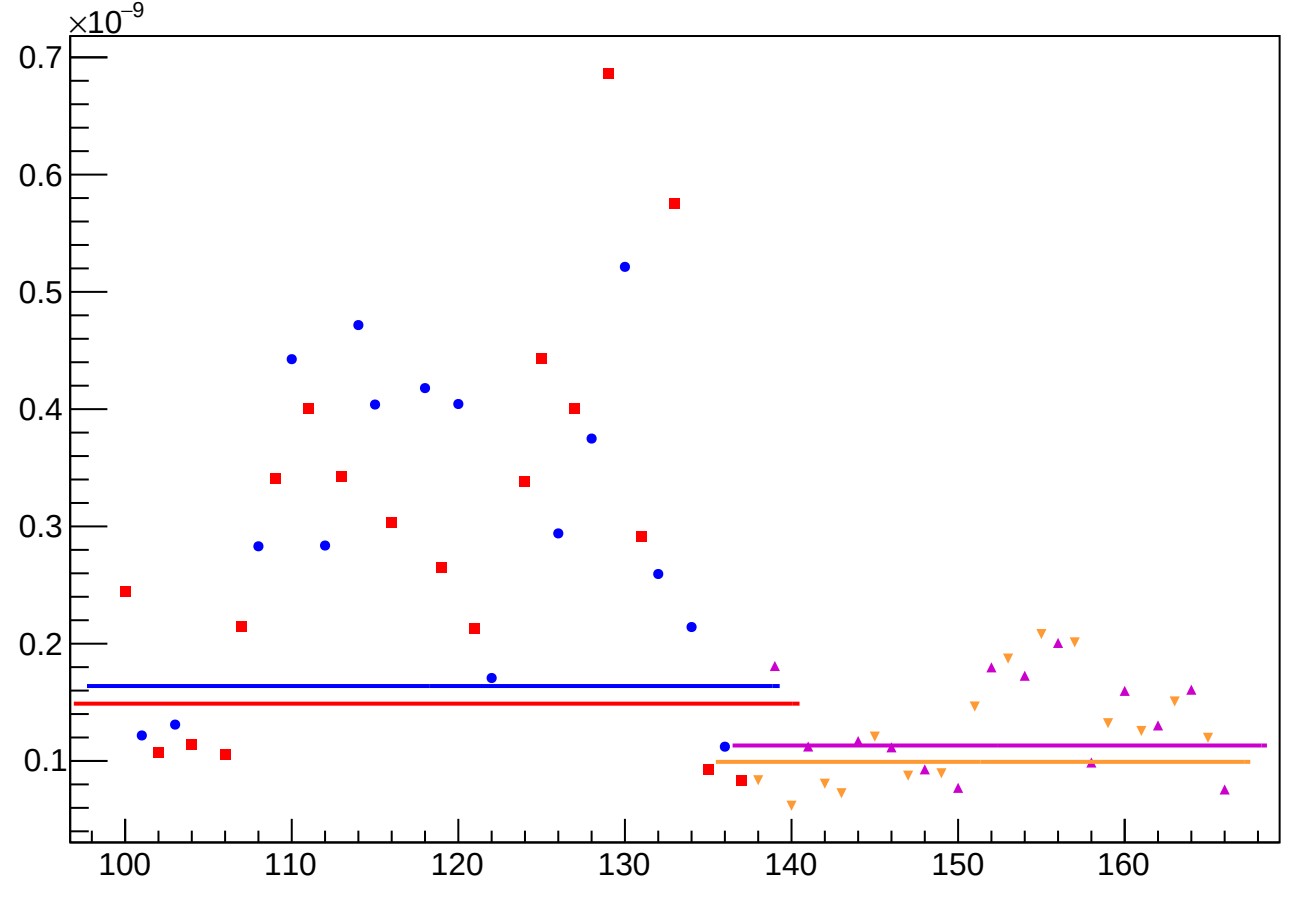
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 455.186+/-0.080 χ^2/NDF:3984467.3/29

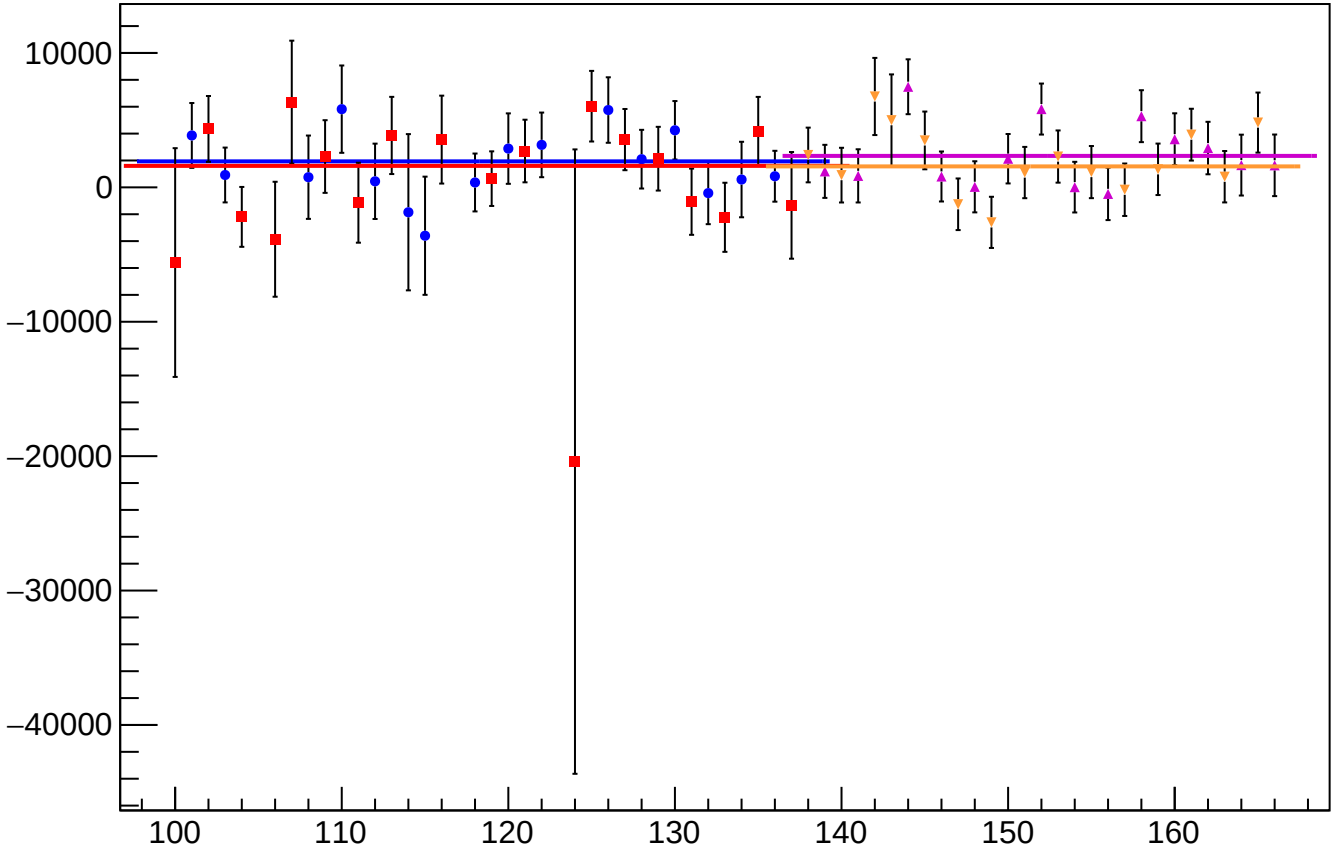
Out: 435.573+/-0.078 χ^2/NDF:6103987.6/33

All: 445.190+/-0.056 χ^2/NDF: 10119131.3/63


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:20.3/13
Left: -0.000+/-0.000 χ²/NDF: 31.0/28
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:42.5/29
Out: -0.000+/-0.000 χ²/NDF:29.1/33
All: -0.000+/-0.000 χ²/NDF: 73.6/63


asym_atr2_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1879587.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:1404817.6/13
Left: 0.000+/-0.000 χ²/NDF: 3403819.5/28
Right: 0.000+/-0.000 χ²/NDF: 4888401.8/34
In: 0.000+/-0.000 χ²/NDF:3964141.5/29
Out: 0.000+/-0.000 χ²/NDF:5307156.4/33
All: 0.000+/-0.000 χ²/NDF: 9433737.0/63

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.662+/-531.613 χ^2/NDF:17.2/14

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2340.984+/-525.533 χ^2/NDF:19.4/13

Left: 1954.817+/-373.739 χ^2/NDF: 37.7/28

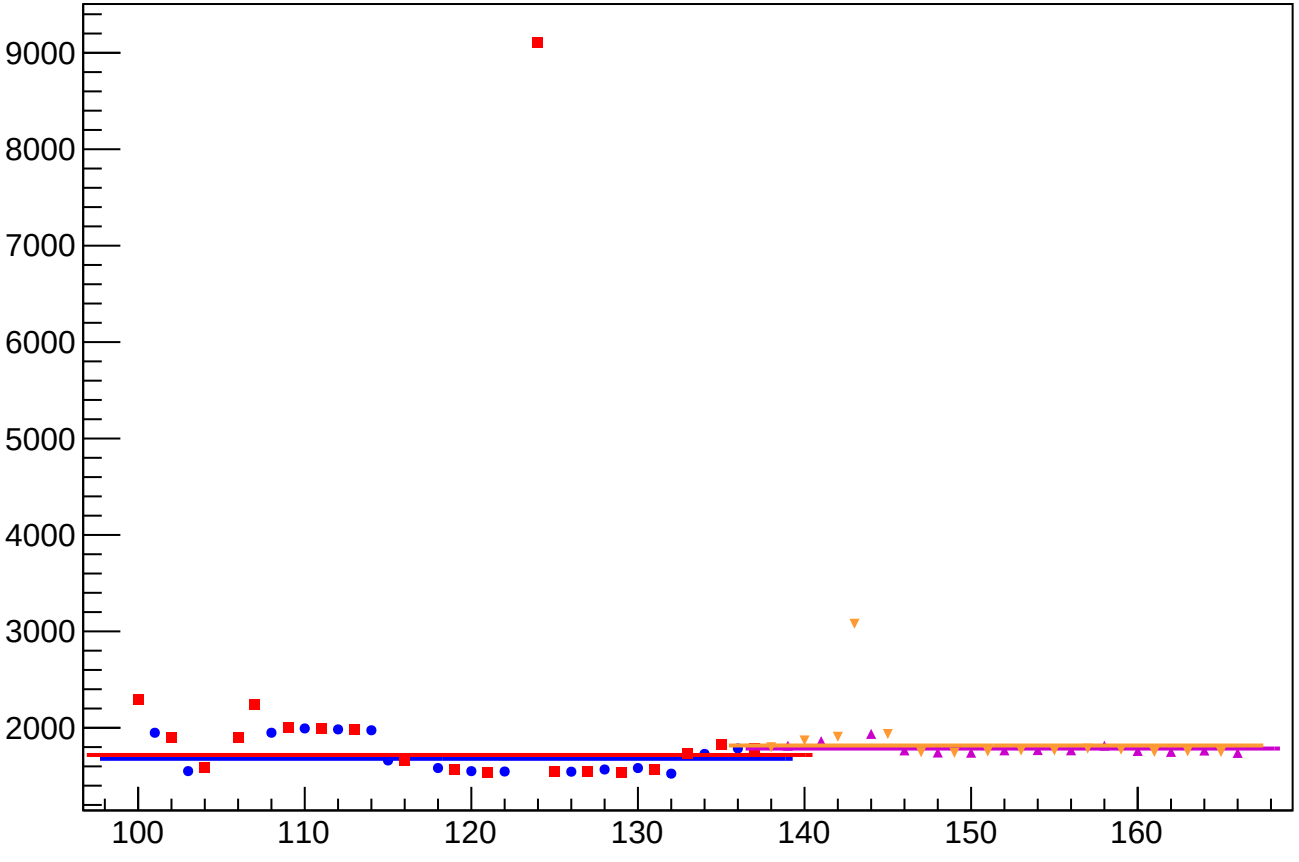
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2173.632+/-402.997 χ^2/NDF:30.6/29

Out: 1575.234+/-409.511 χ^2/NDF:36.6/33

All: 1879.230+/-287.237 χ^2/NDF: 68.2/63

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

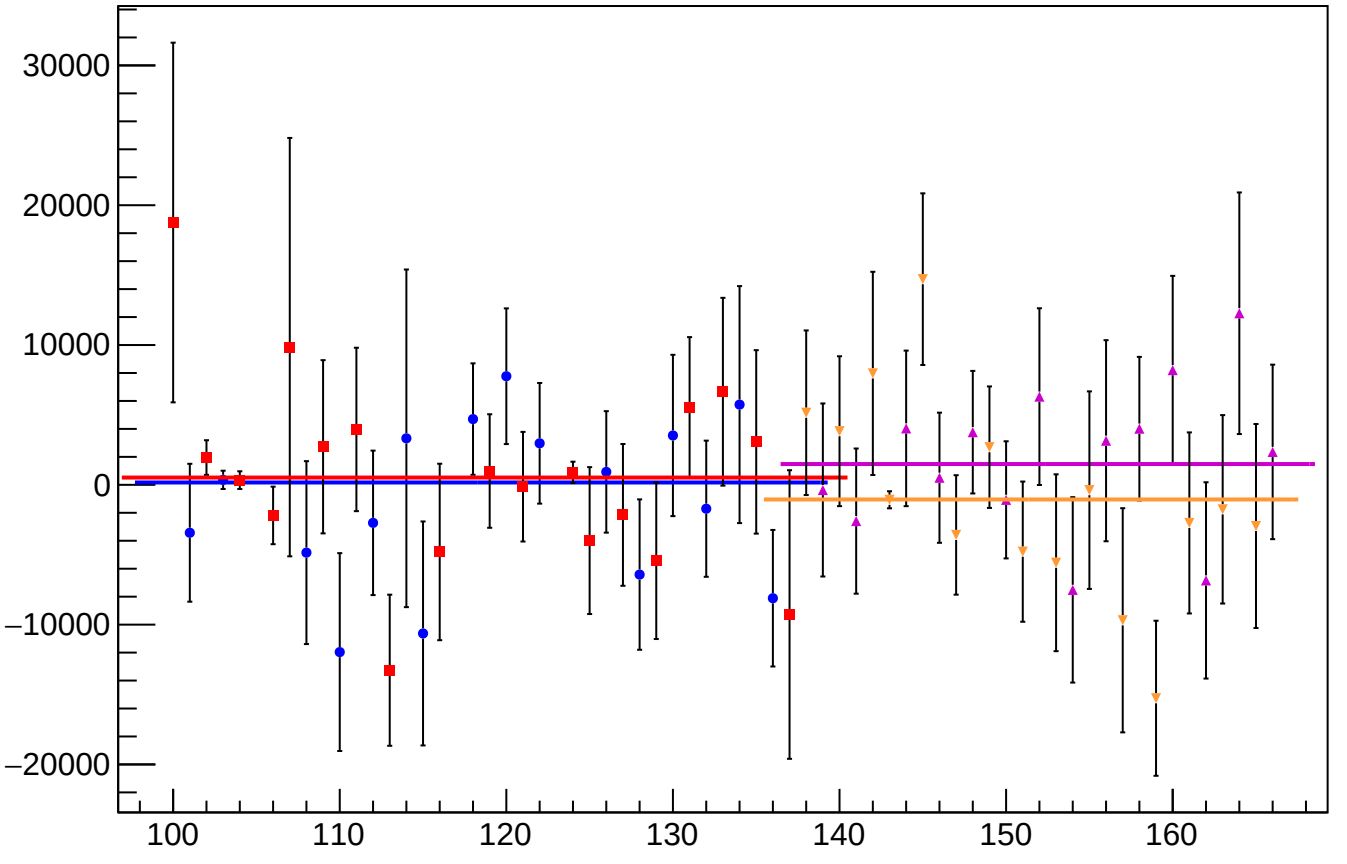
Left: 1800.571+/-0.264 χ^2/NDF: 325832.8/28

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1741.116+/-0.285 χ^2/NDF:194909.8/29

Out: 1776.382+/-0.289 χ^2/NDF:713718.1/33

All: 1758.500+/-0.203 χ^2/NDF: 916177.8/63



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1047.002+/-568.109 χ^2/NDF:20.1/14

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1486.848+/-1512.552 χ^2/NDF:8.3/13

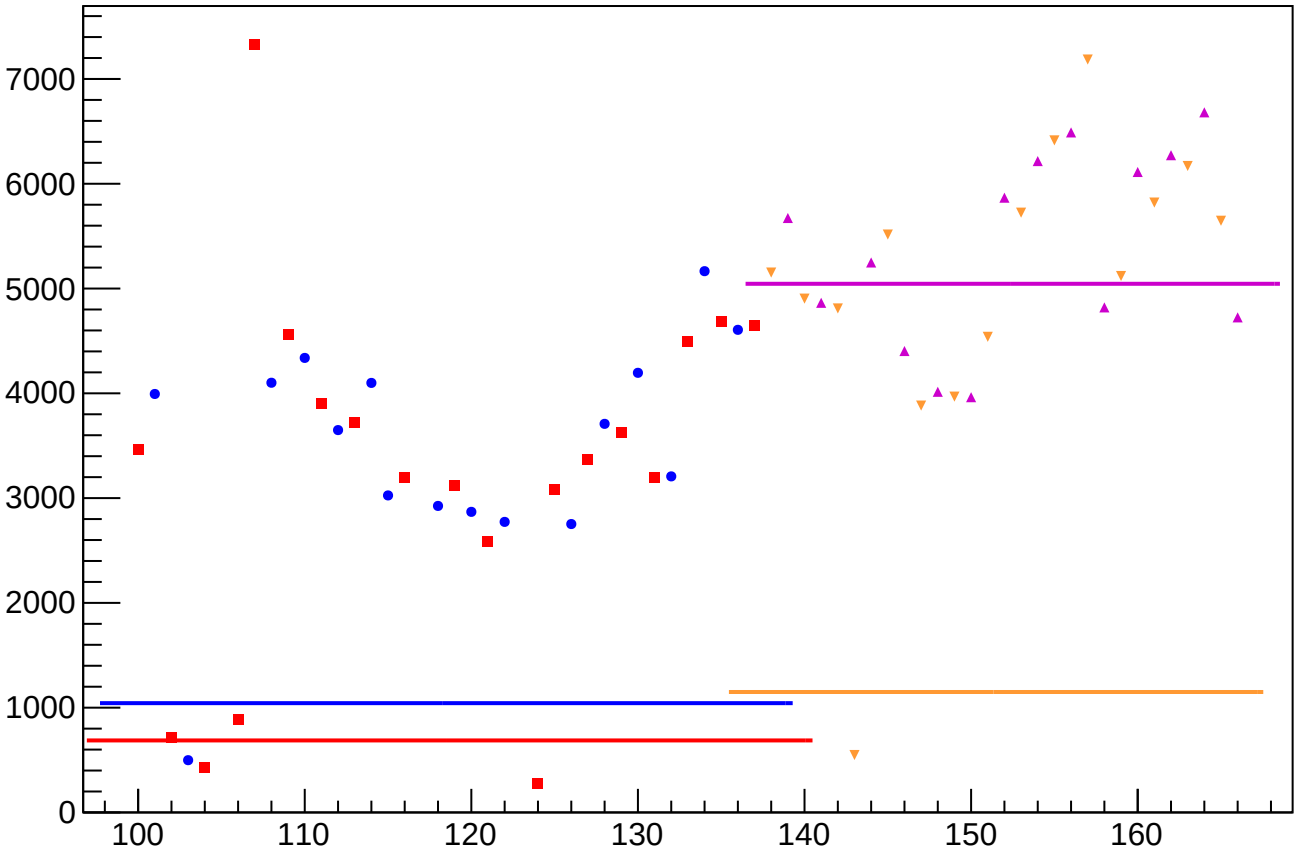
Left: -733.737+/-531.833 χ^2/NDF: 30.9/28

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 343.237+/-550.962 χ^2/NDF:24.8/29

Out: -41.225+/-340.199 χ^2/NDF:43.5/33

All: 64.896+/-289.465 χ^2/NDF: 68.7/63



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1149.633+/-0.402 χ^2/NDF:15165792.2/14

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5045.312+/-1.070 χ^2/NDF:676706.2/13

Left: 1631.263+/-0.376 χ^2/NDF: 27469365.0/28

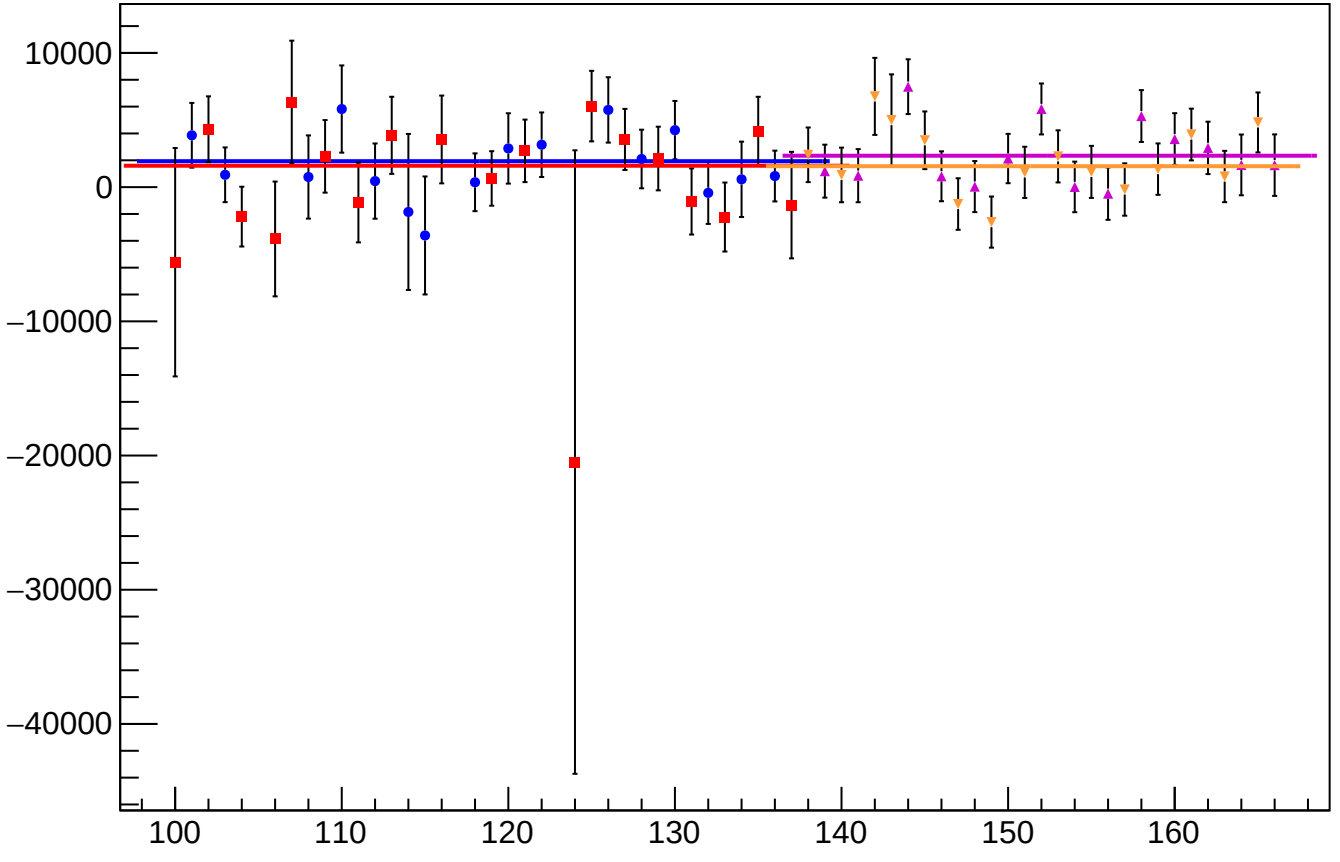
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1574.149+/-0.390 χ^2/NDF:20933195.5/29

Out: 853.109+/-0.241 χ^2/NDF:24646802.8/33

All: 1052.133+/-0.205 χ^2/NDF: 48059876.9/6

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.678+/-531.613 χ^2/NDF:17.2/14

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2341.122+/-525.533 χ^2/NDF:19.4/13

Left: 1954.894+/-373.739 χ^2/NDF: 37.7/28

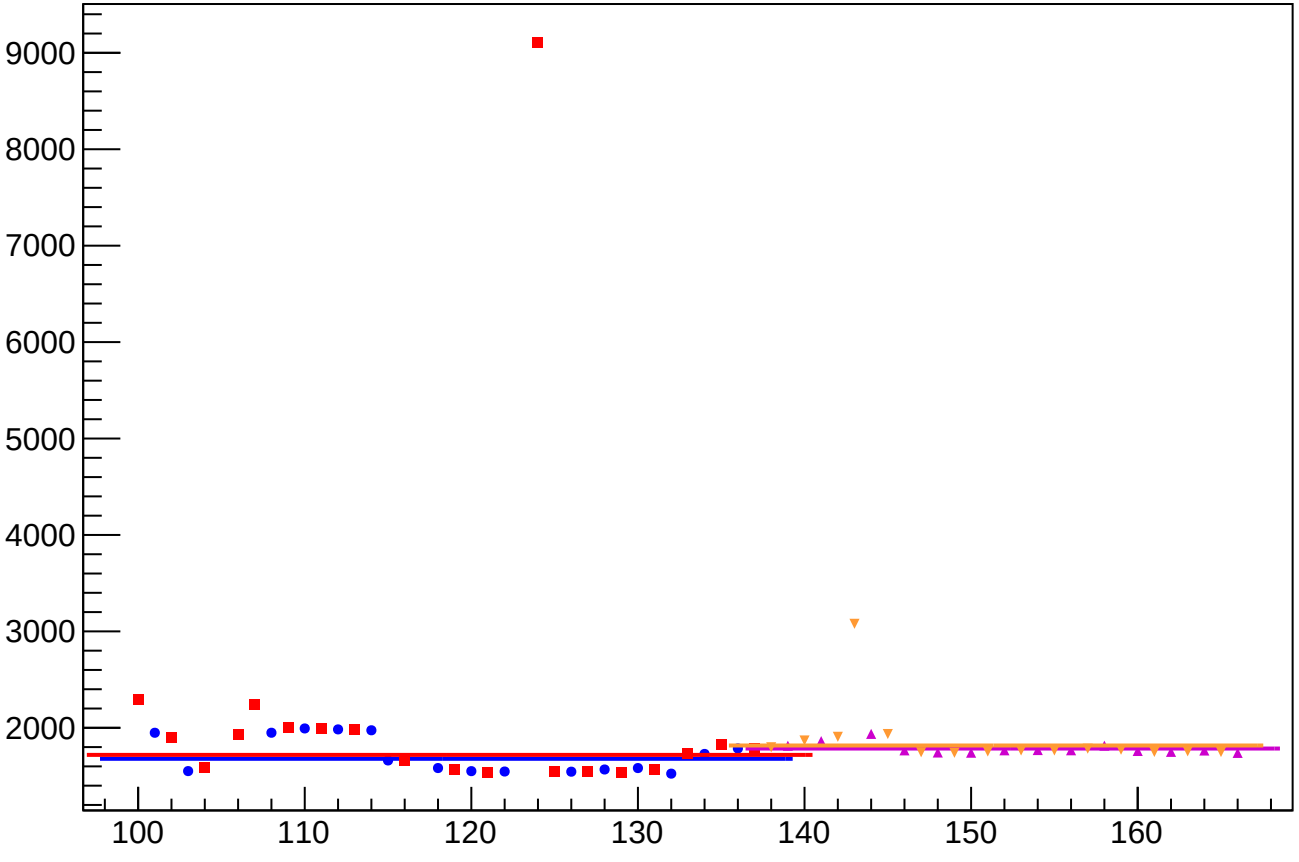
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2173.761+/-402.997 χ^2/NDF:30.6/29

Out: 1574.252+/-409.512 χ^2/NDF:36.6/33

All: 1878.813+/-287.238 χ^2/NDF: 68.2/63

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

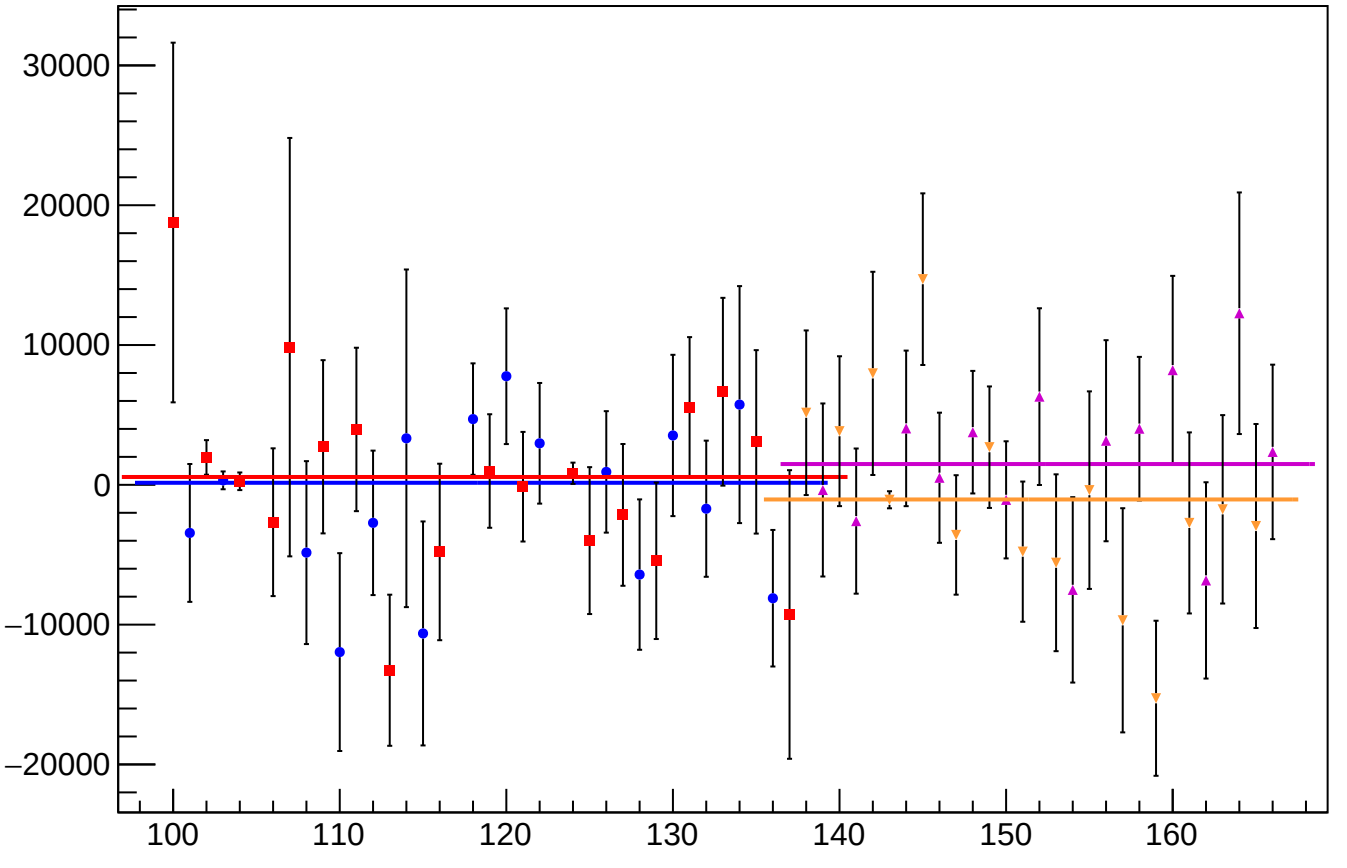
Left: 1800.571+/-0.264 χ^2/NDF: 325832.8/28

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.116+/-0.285 χ^2/NDF:194910.0/29

Out: 1776.746+/-0.289 χ^2/NDF:714972.8/33

All: 1758.676+/-0.203 χ^2/NDF: 917587.9/63



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1046.649+/-568.089 χ^2/NDF:20.1/14

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1486.994+/-1512.550 χ^2/NDF:8.3/13

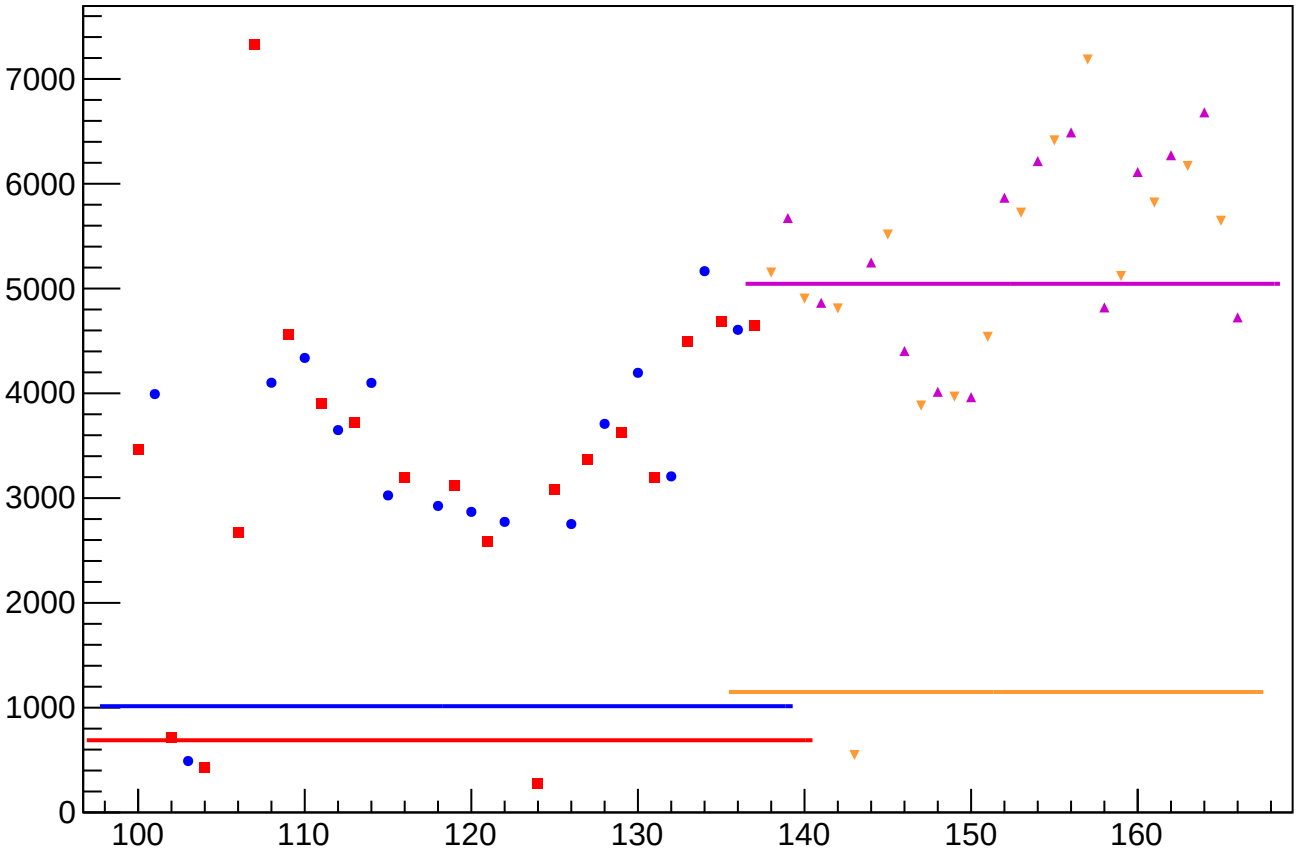
Left: -733.430+/-531.816 χ^2/NDF: 30.9/28

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 318.049+/-541.026 χ^2/NDF:24.8/29

Out: -25.366+/-343.172 χ^2/NDF:42.4/33

All: 73.161+/-289.792 χ^2/NDF: 67.5/63



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5045.306+/-1.070 χ^2/NDF:676723.7/13

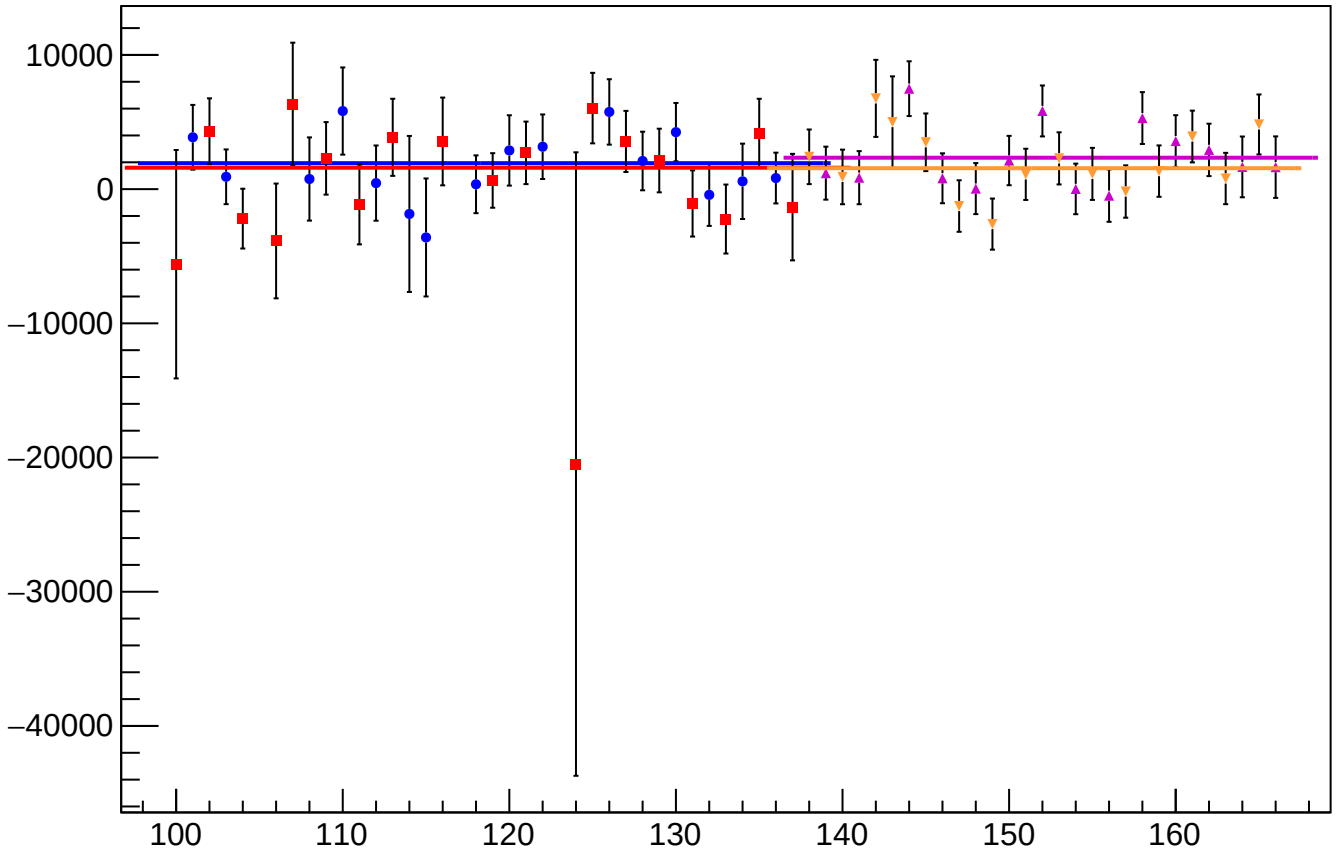
Left: 1631.178+/-0.376 χ^2/NDF: 27470147.8/28

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1529.860+/-0.383 χ^2/NDF:21288463.6/29

Out: 857.104+/-0.243 χ^2/NDF:24911144.5/33

All: 1050.120+/-0.205 χ^2/NDF: 48404857.9/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.678+/-531.613 χ^2/NDF:17.2/14

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2341.122+/-525.533 χ^2/NDF:19.4/13

Left: 1954.894+/-373.739 χ^2/NDF: 37.7/28

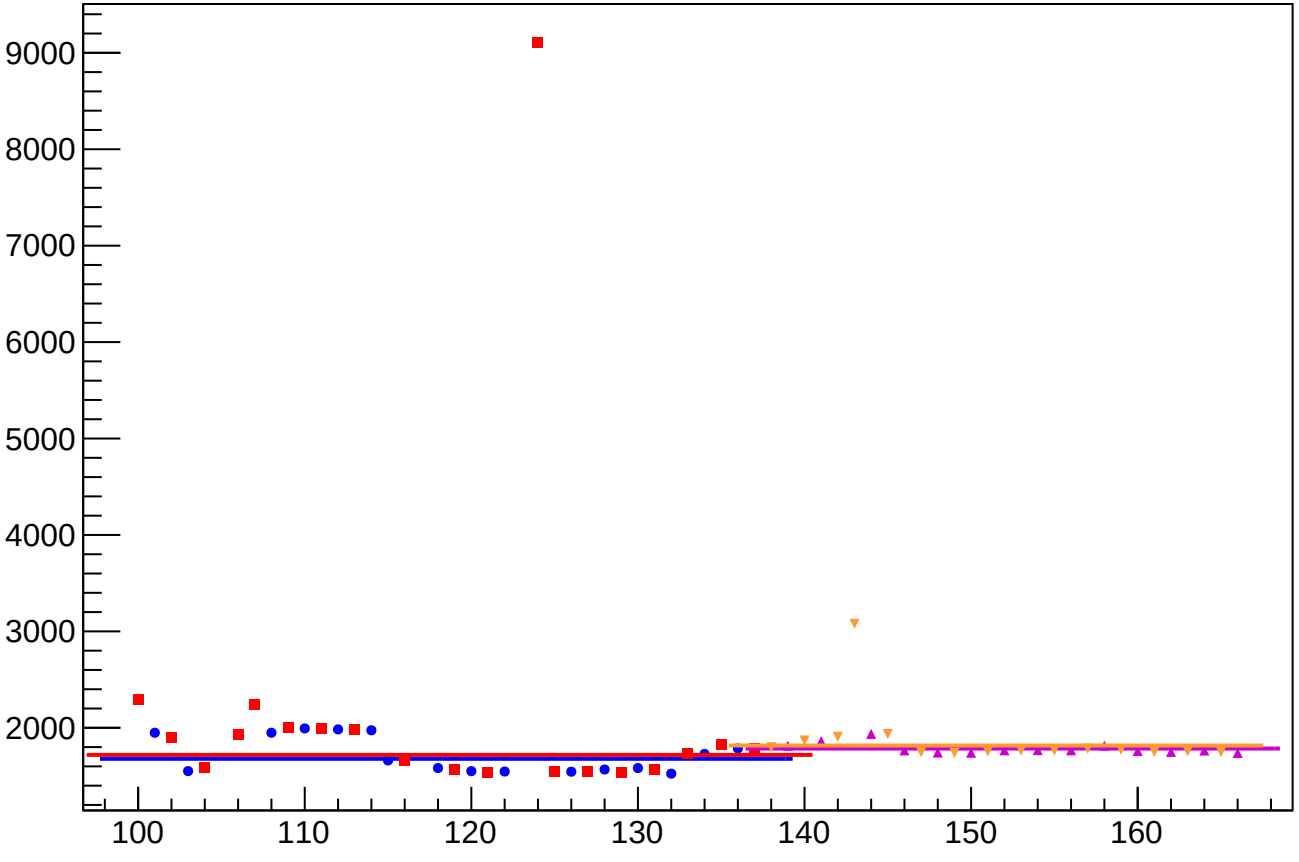
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2173.761+/-402.997 χ^2/NDF:30.6/29

Out: 1574.252+/-409.512 χ^2/NDF:36.6/33

All: 1878.813+/-287.238 χ^2/NDF: 68.2/63

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1784.953+/-0.372 χ^2/NDF:19647.6/13

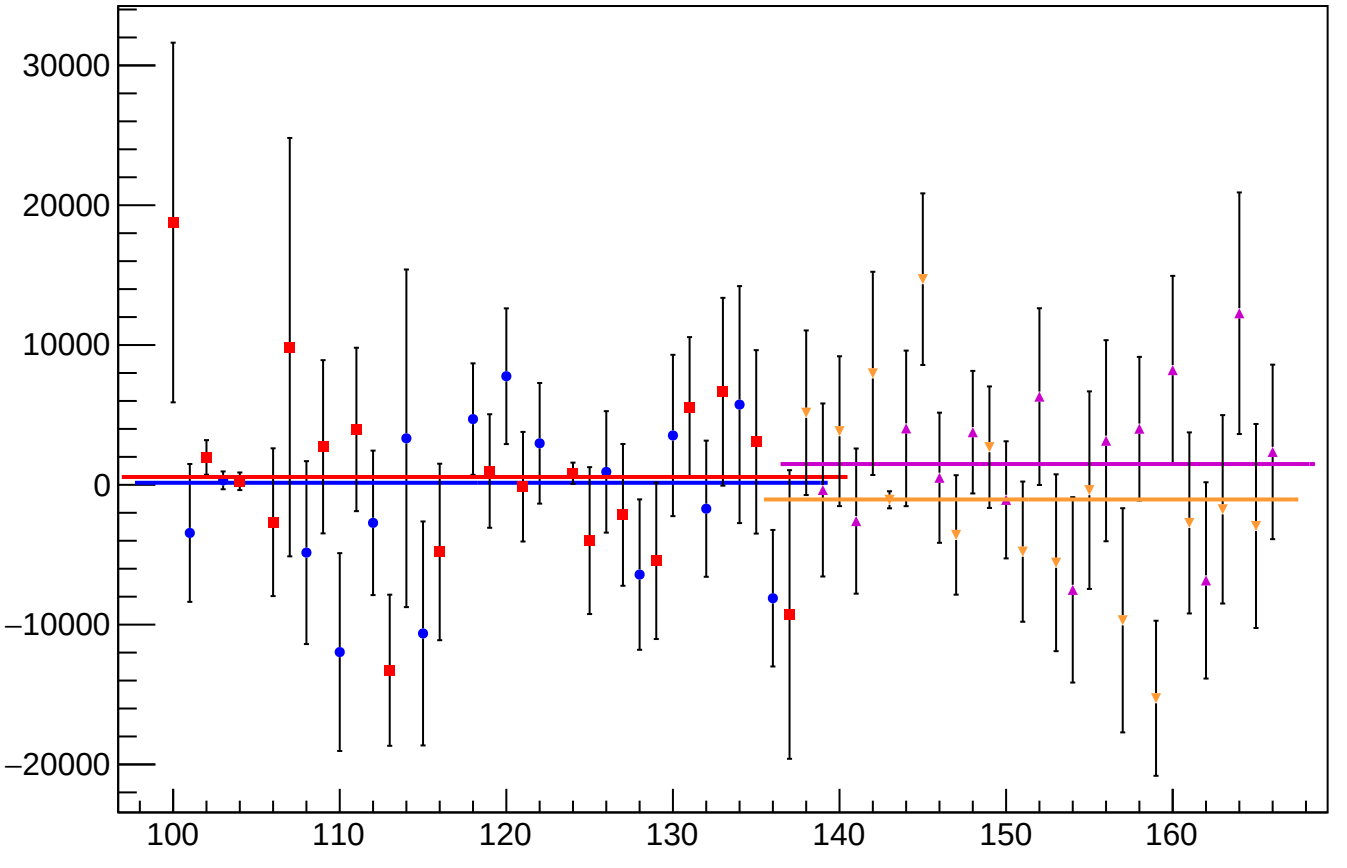
Left: 1800.571+/-0.264 χ^2/NDF: 325832.8/28

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.116+/-0.285 χ^2/NDF:194910.0/29

Out: 1776.746+/-0.289 χ^2/NDF:714972.8/33

All: 1758.676+/-0.203 χ^2/NDF: 917587.9/63



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1046.649+/-568.089 χ^2/NDF:20.1/14

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1486.994+/-1512.550 χ^2/NDF:8.3/13

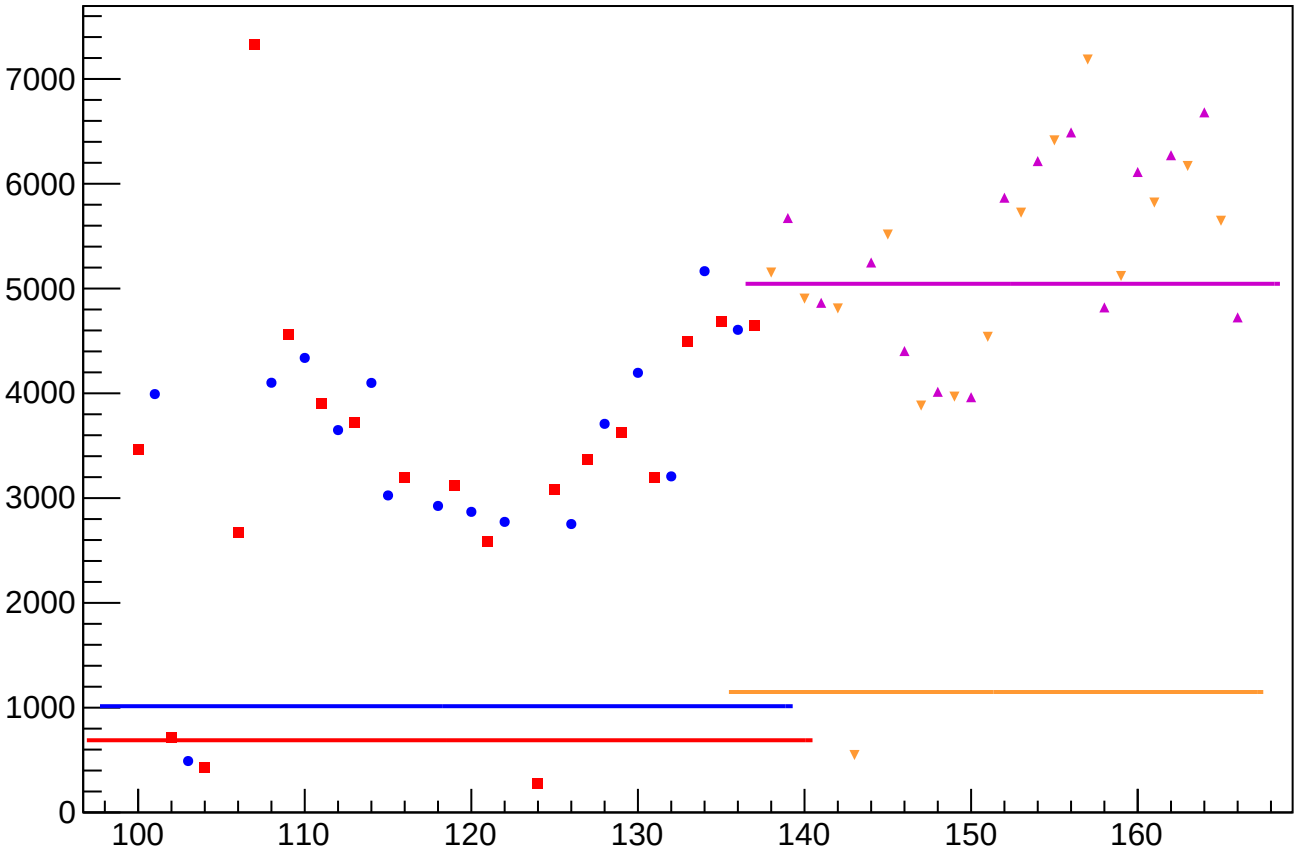
Left: -733.430+/-531.816 χ^2/NDF: 30.9/28

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 318.049+/-541.026 χ^2/NDF:24.8/29

Out: -25.366+/-343.172 χ^2/NDF:42.4/33

All: 73.161+/-289.792 χ^2/NDF: 67.5/63



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5045.306+/-1.070 χ^2/NDF:676723.7/13

Left: 1631.178+/-0.376 χ^2/NDF: 27470147.8/28

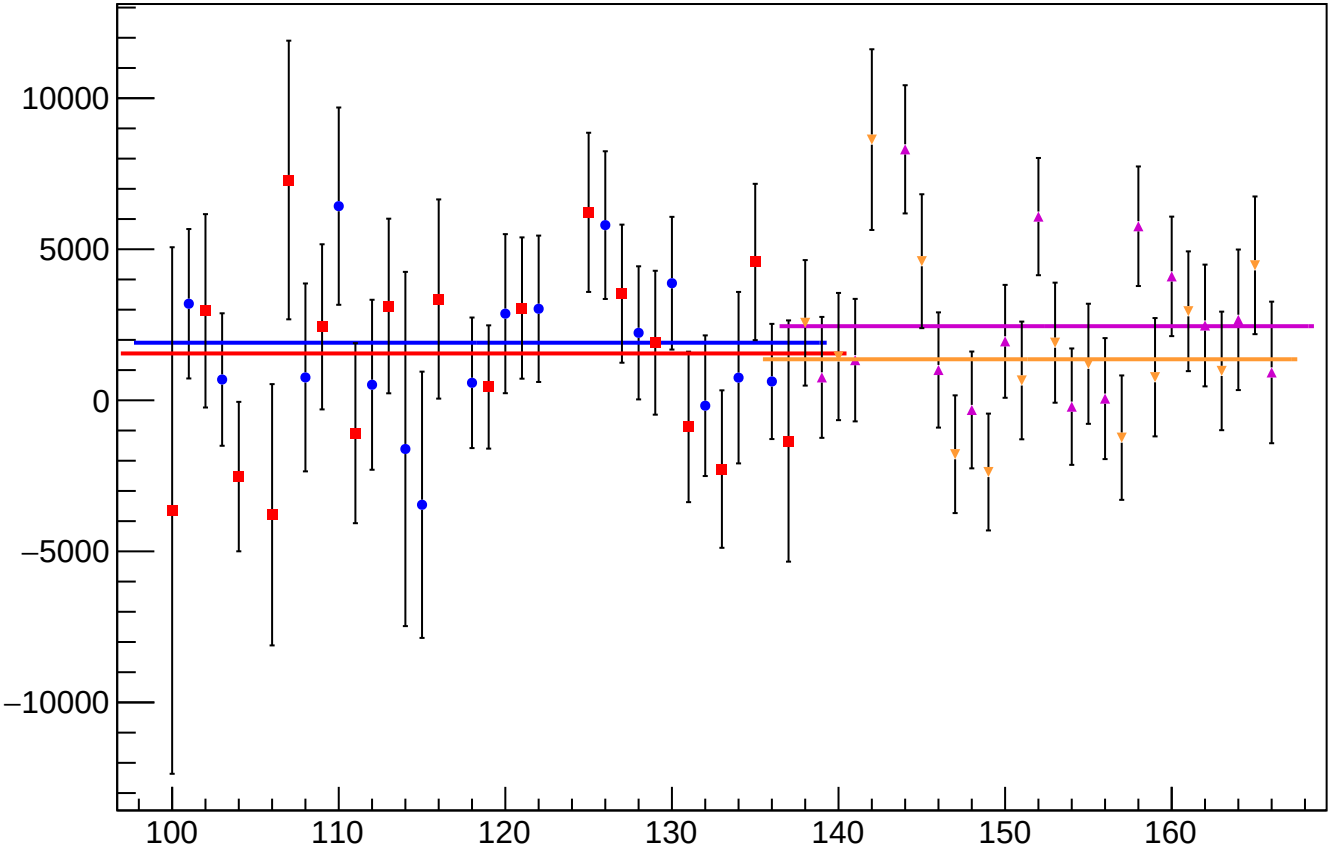
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1529.860+/-0.383 χ^2/NDF:21288463.6/29

Out: 857.104+/-0.243 χ^2/NDF:24911144.5/33

All: 1050.120+/-0.205 χ^2/NDF: 48404857.9/6

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1358.653+/-552.432 χ^2/NDF:19.2/13

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2453.486+/-538.196 χ^2/NDF:22.1/13

Left: 1920.358+/-385.497 χ^2/NDF: 43.3/27

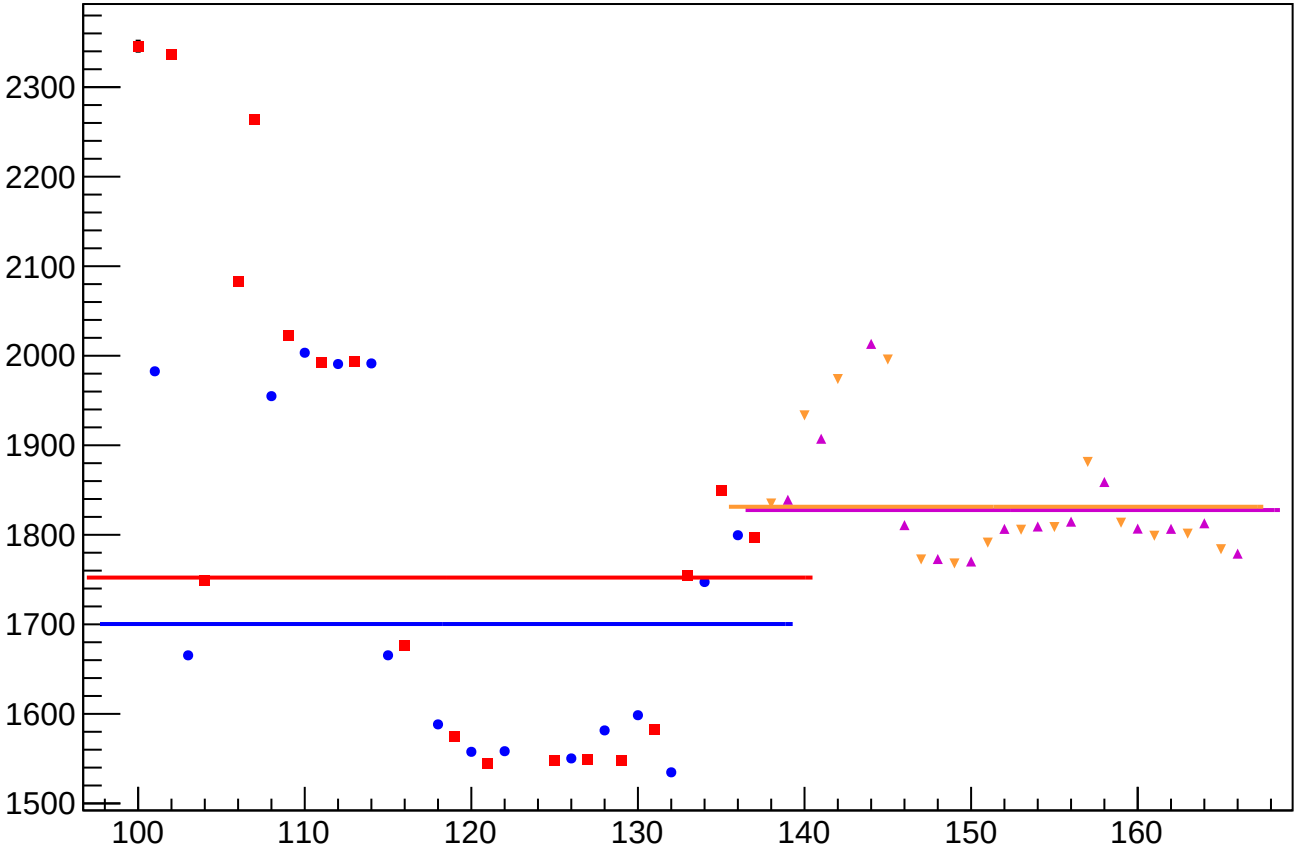
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2225.298+/-410.955 χ^2/NDF:32.8/29

Out: 1437.740+/-423.900 χ^2/NDF:36.7/31

All: 1843.728+/-295.059 χ^2/NDF: 71.2/61

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1831.334+/-0.391 χ^2/NDF:28894.7/13

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1827.656+/-0.381 χ^2/NDF:24484.3/13

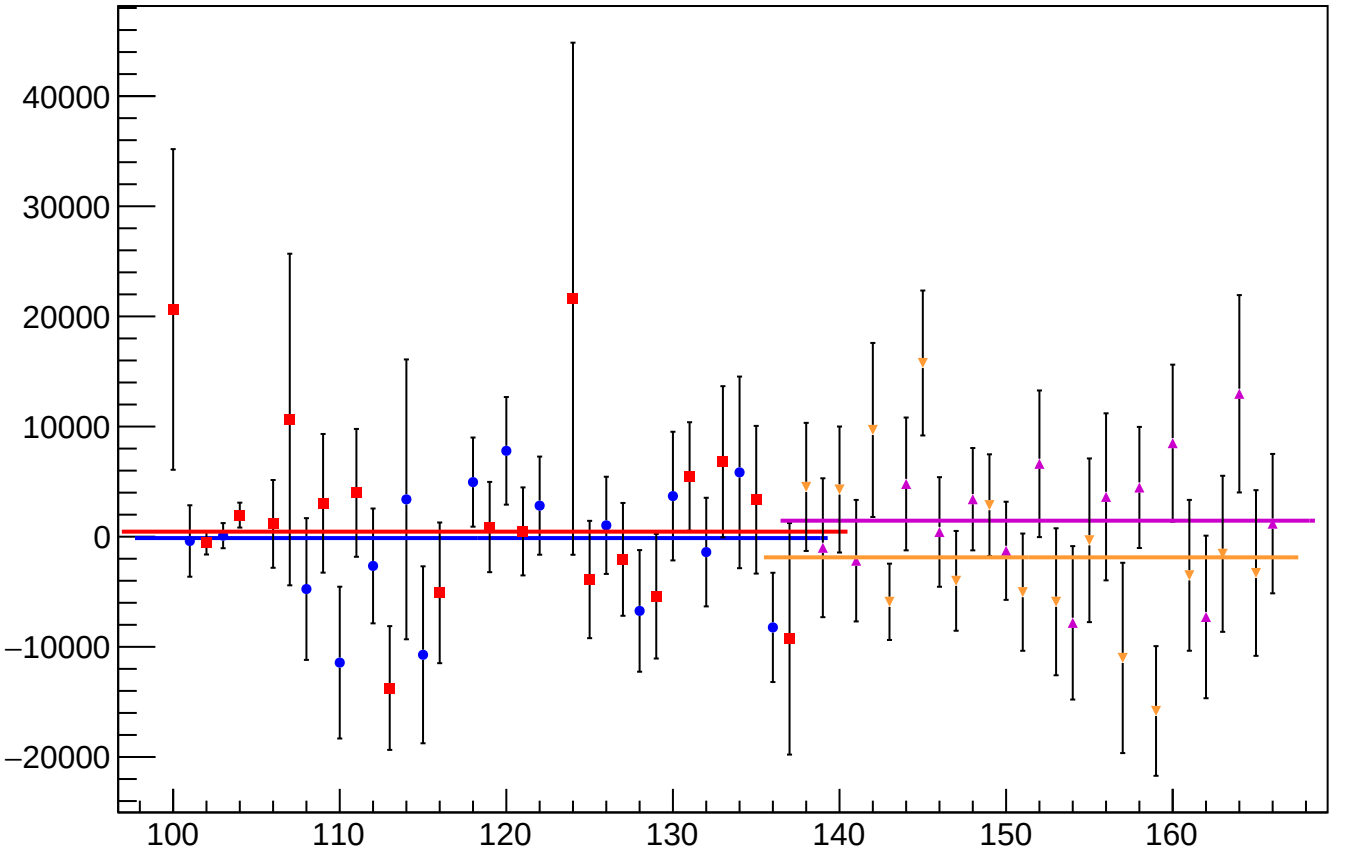
Left: 1829.447+/-0.273 χ^2/NDF: 53424.5/27

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1774.579+/-0.291 χ^2/NDF:206556.6/29

Out: 1798.723+/-0.299 χ^2/NDF:293751.6/31

All: 1786.288+/-0.209 χ^2/NDF: 503656.1/61



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1874.811+/-1481.963 χ^2/NDF:21.9/14

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1453.744+/-1597.550 χ^2/NDF:8.3/13

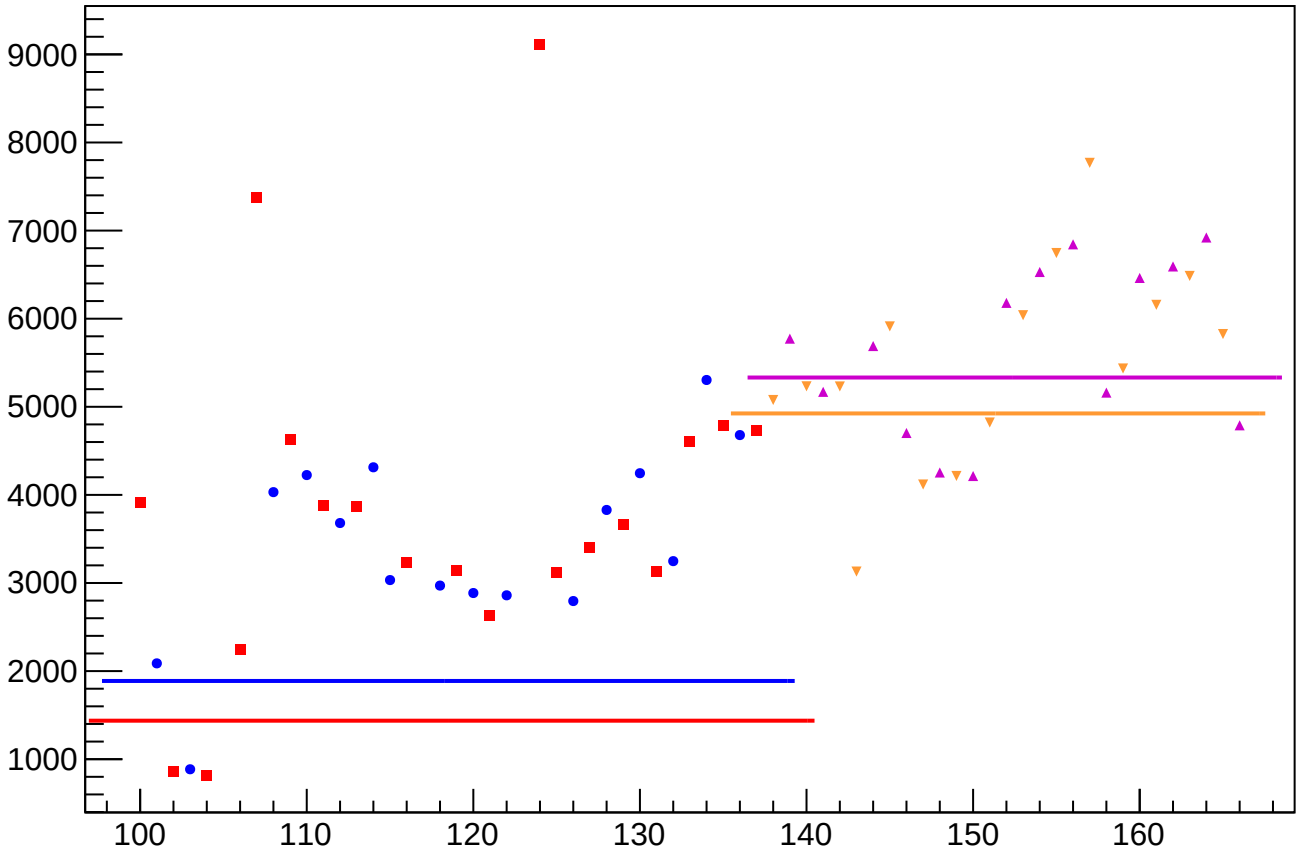
Left: -335.292+/-1086.473 χ^2/NDF: 32.5/28

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 234.246+/-762.452 χ^2/NDF:24.1/29

Out: 54.279+/-617.410 χ^2/NDF:42.5/33

All: 125.552+/-479.821 χ^2/NDF: 66.6/63



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4924.595+/-1.048 χ^2/NDF:1301985.6/14

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5332.199+/-1.130 χ^2/NDF:643654.2/13

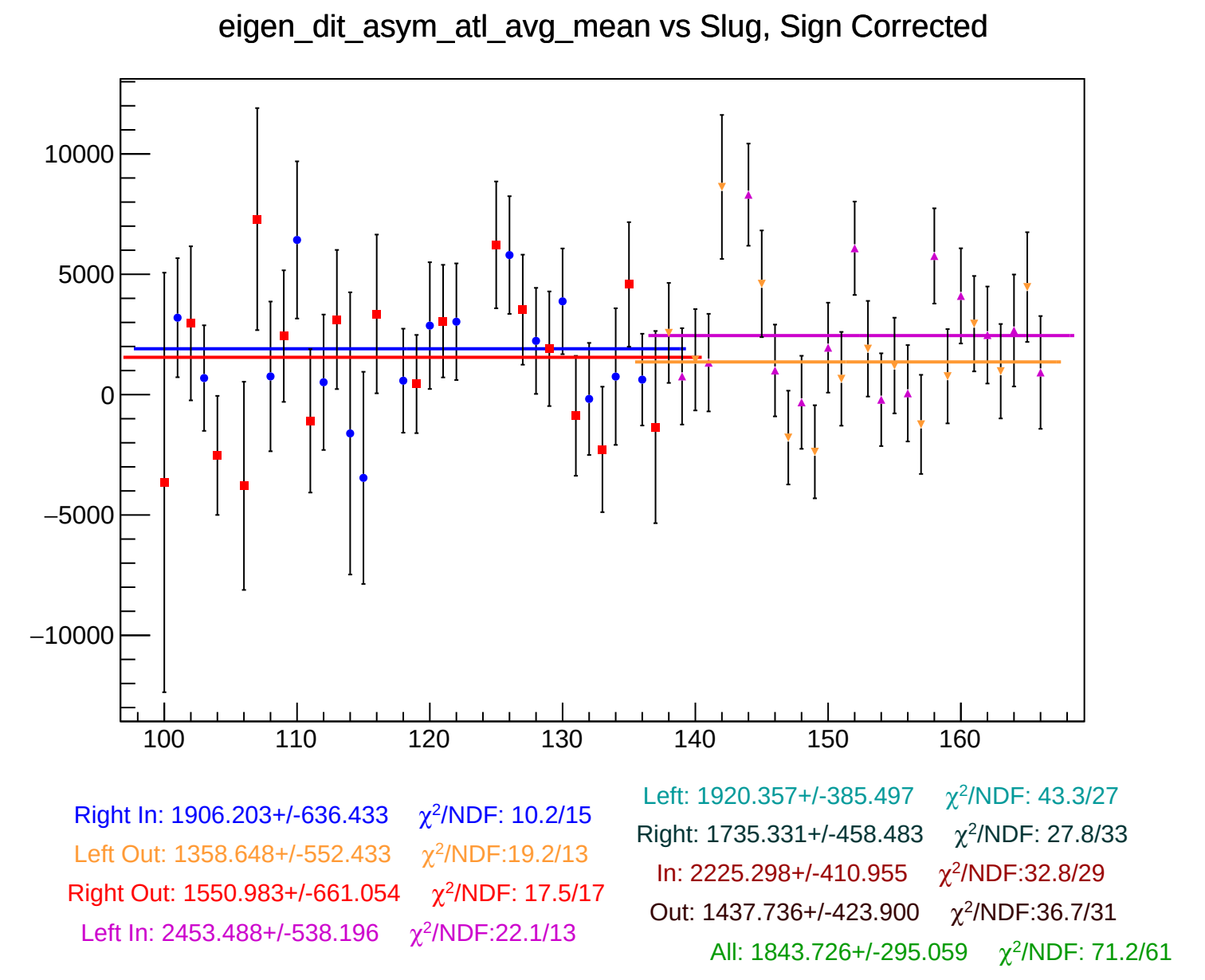
Left: 5113.119+/-0.768 χ^2/NDF: 2015618.0/28

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

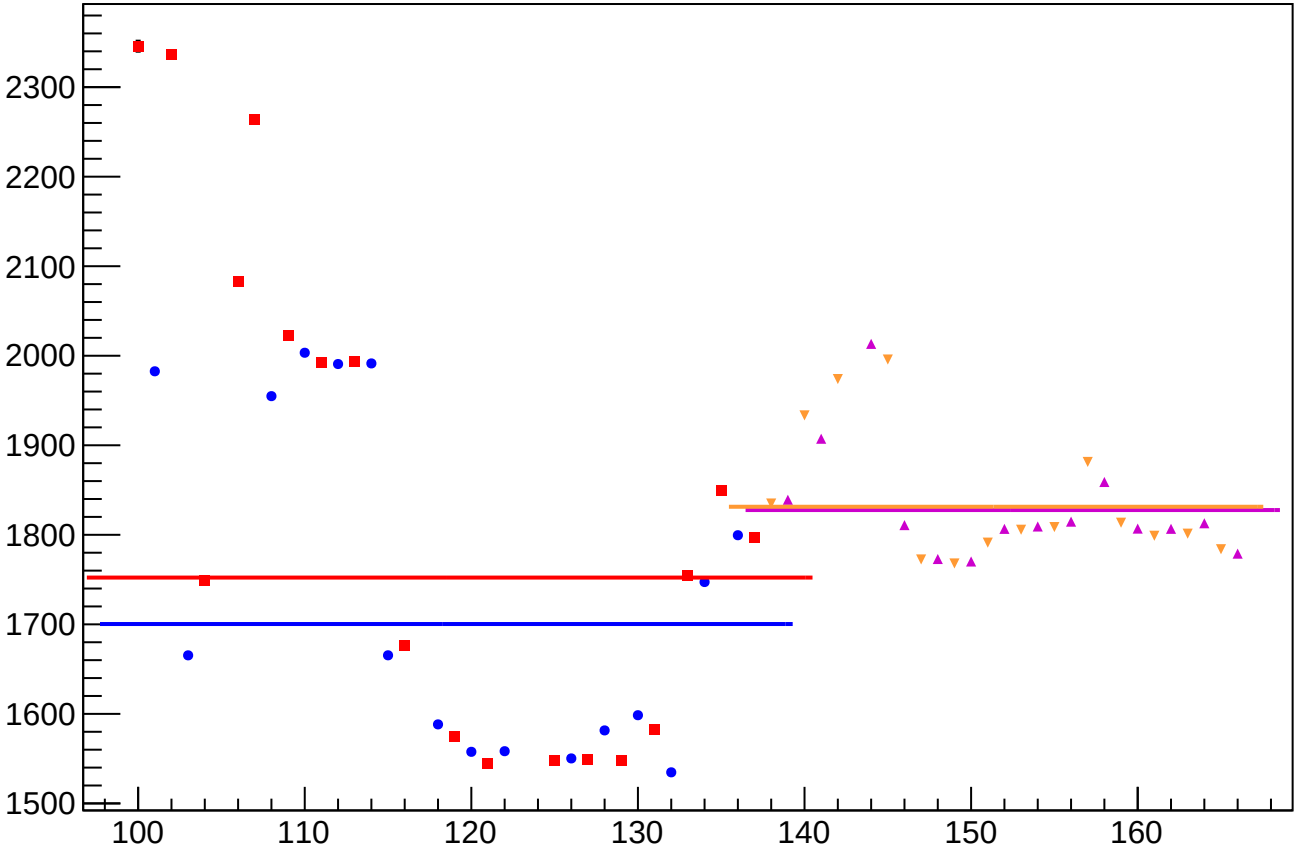
In: 2672.520+/-0.539 χ^2/NDF:12247930.8/29

Out: 2042.427+/-0.437 χ^2/NDF:16419676.1/33

All: 2291.966+/-0.339 χ^2/NDF: 29492552.5/6


eigen_dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1906.203+/-636.433 χ²/NDF: 10.2/15
Left Out: 1358.648+/-552.433 χ²/NDF:19.2/13
Right Out: 1550.983+/-661.054 χ²/NDF: 17.5/17
Left In: 2453.488+/-538.196 χ²/NDF:22.1/13
Left: 1920.357+/-385.497 χ²/NDF: 43.3/27
Right: 1735.331+/-458.483 χ²/NDF: 27.8/33
In: 2225.298+/-410.955 χ²/NDF:32.8/29
Out: 1437.736+/-423.900 χ²/NDF:36.7/31
All: 1843.726+/-295.059 χ²/NDF: 71.2/61

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1831.336+/-0.391 χ^2/NDF:28895.2/13

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1827.657+/-0.381 χ^2/NDF:24484.6/13

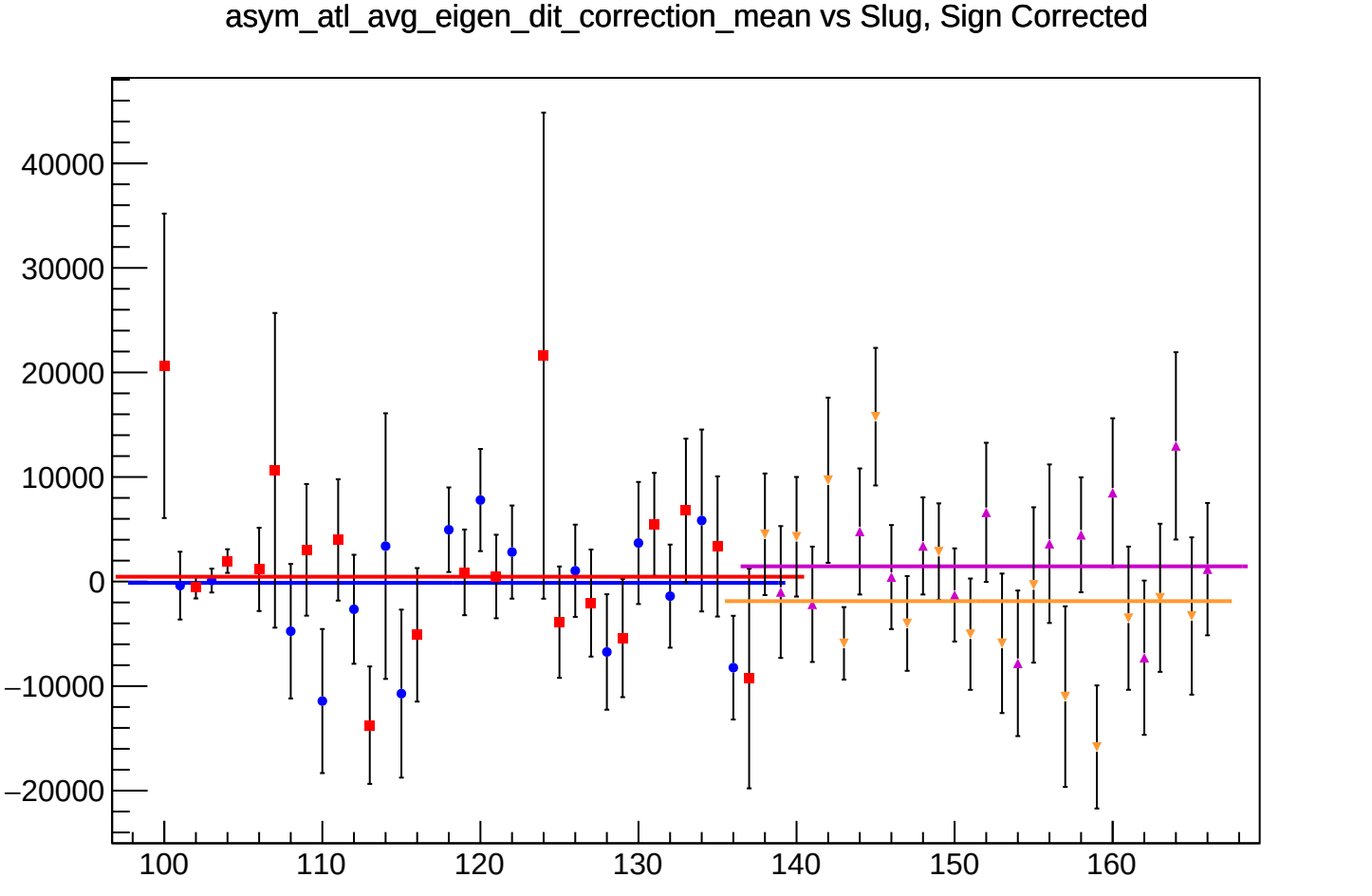
Left: 1829.448+/-0.273 χ^2/NDF: 53425.3/27

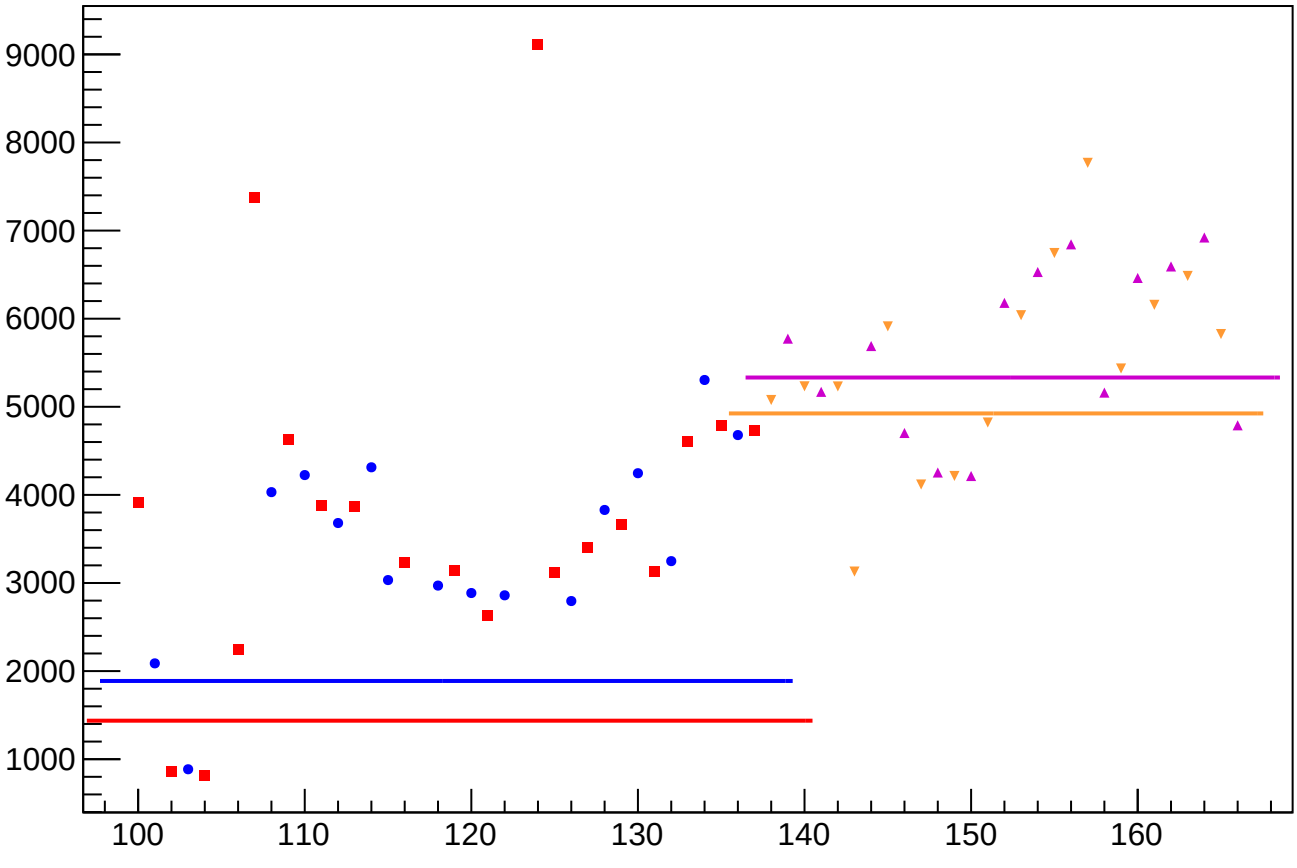
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1774.579+/-0.291 χ^2/NDF:206558.2/29

Out: 1798.723+/-0.299 χ^2/NDF:293752.4/31

All: 1786.288+/-0.209 χ^2/NDF: 503658.6/61


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -1874.818+/-1481.965 χ²/NDF:21.9/14
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 1453.744+/-1597.552 χ²/NDF:8.3/13
Left: -335.296+/-1086.475 χ²/NDF: 32.5/28
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: 234.245+/-762.448 χ²/NDF:24.1/29
Out: 54.283+/-617.406 χ²/NDF:42.5/33
All: 125.554+/-479.818 χ²/NDF: 66.6/63



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4924.599+/-1.048 χ^2/NDF:1301993.4/14

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5332.206+/-1.130 χ^2/NDF:643657.6/13

Left: 5113.125+/-0.768 χ^2/NDF: 2015629.6/28

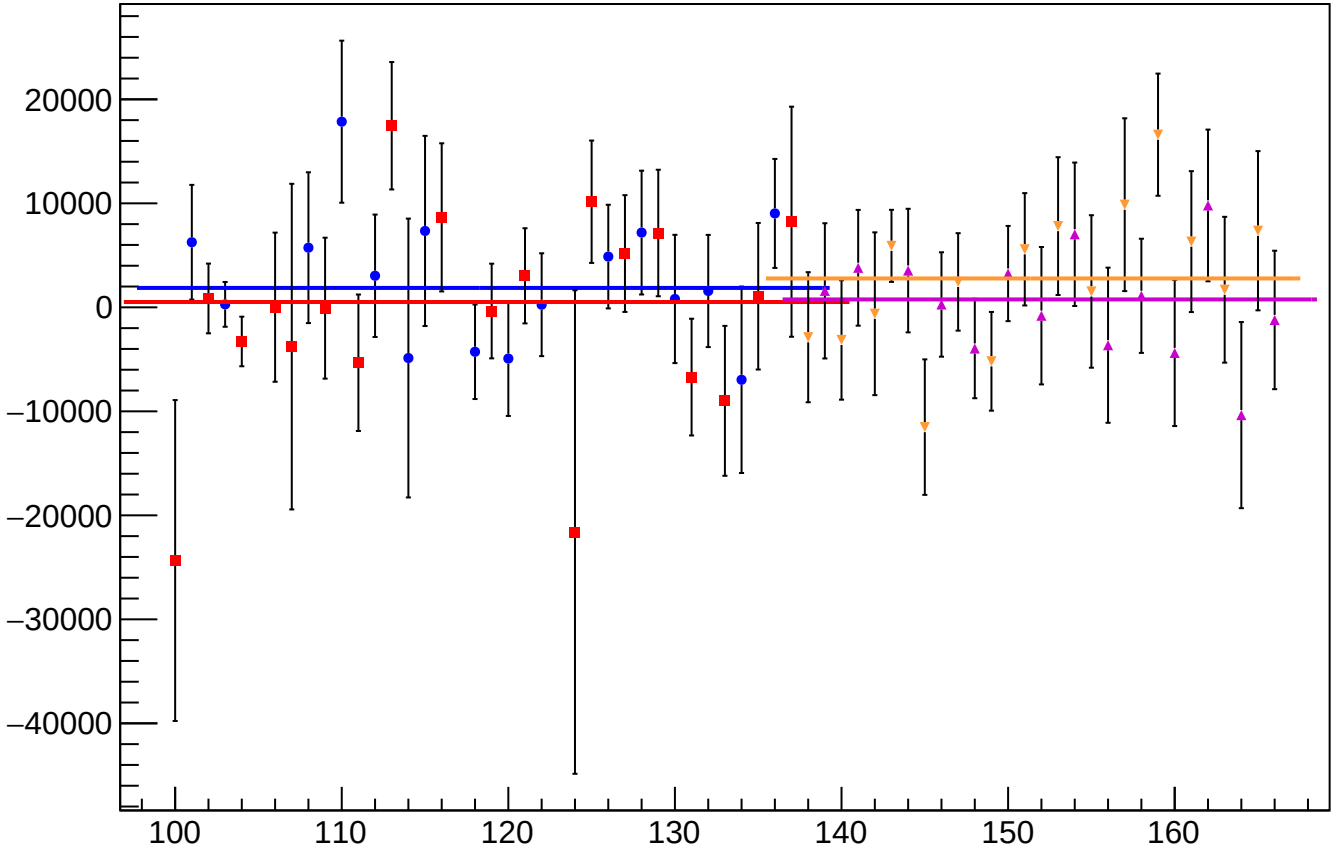
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2672.499+/-0.539 χ^2/NDF:12248074.8/29

Out: 2042.408+/-0.437 χ^2/NDF:16419821.4/33

All: 2291.946+/-0.339 χ^2/NDF: 29492845.8/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2778.694+/-1495.114 χ^2/NDF:18.3/14

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 759.893+/-1612.466 χ^2/NDF:6.7/13

Left: 1845.421+/-1096.347 χ^2/NDF: 25.9/28

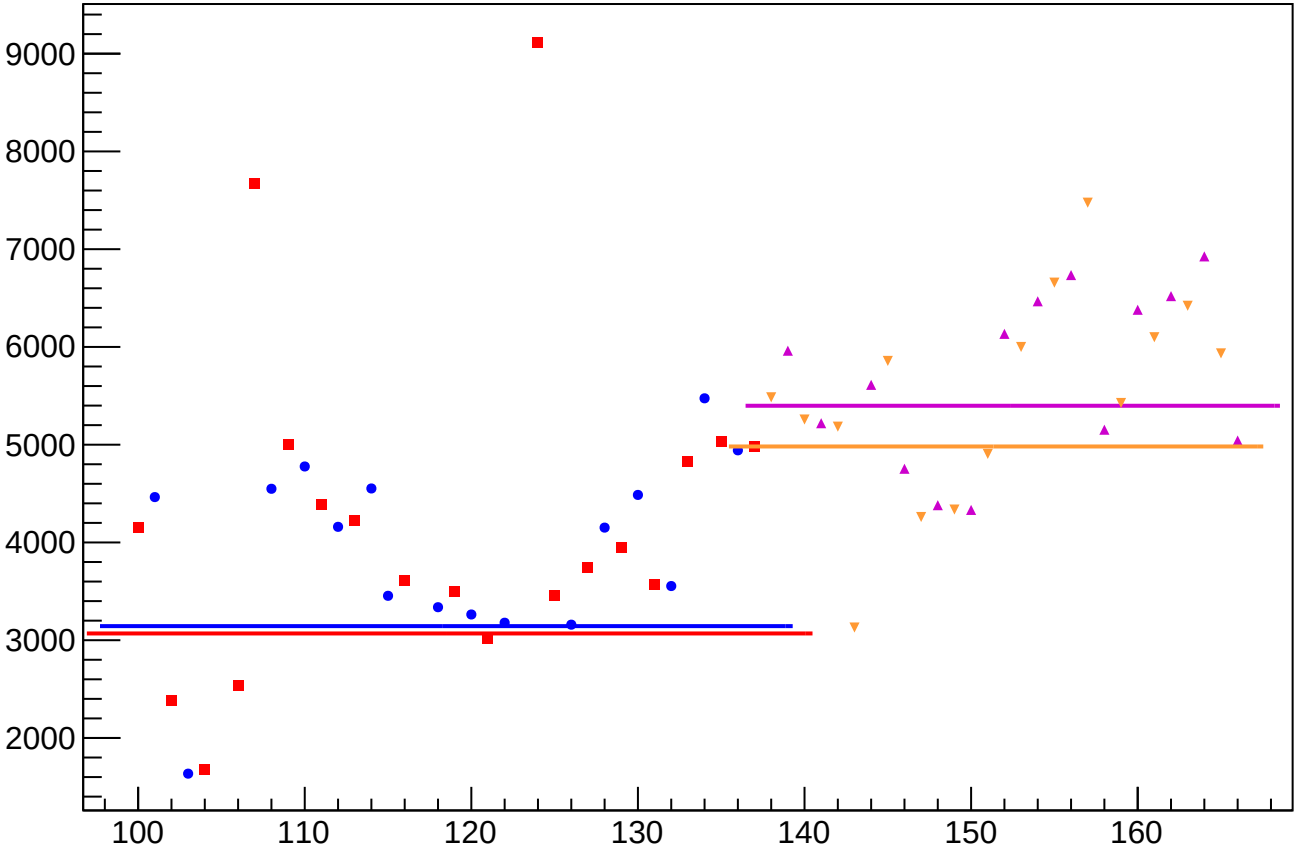
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1447.378+/-992.435 χ^2/NDF:20.8/29

Out: 1437.396+/-955.143 χ^2/NDF:44.4/33

All: 1442.196+/-688.194 χ^2/NDF: 65.2/63

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4981.801+/-1.057 χ^2/NDF:1224433.5/14

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5398.358+/-1.140 χ^2/NDF:542821.2/13

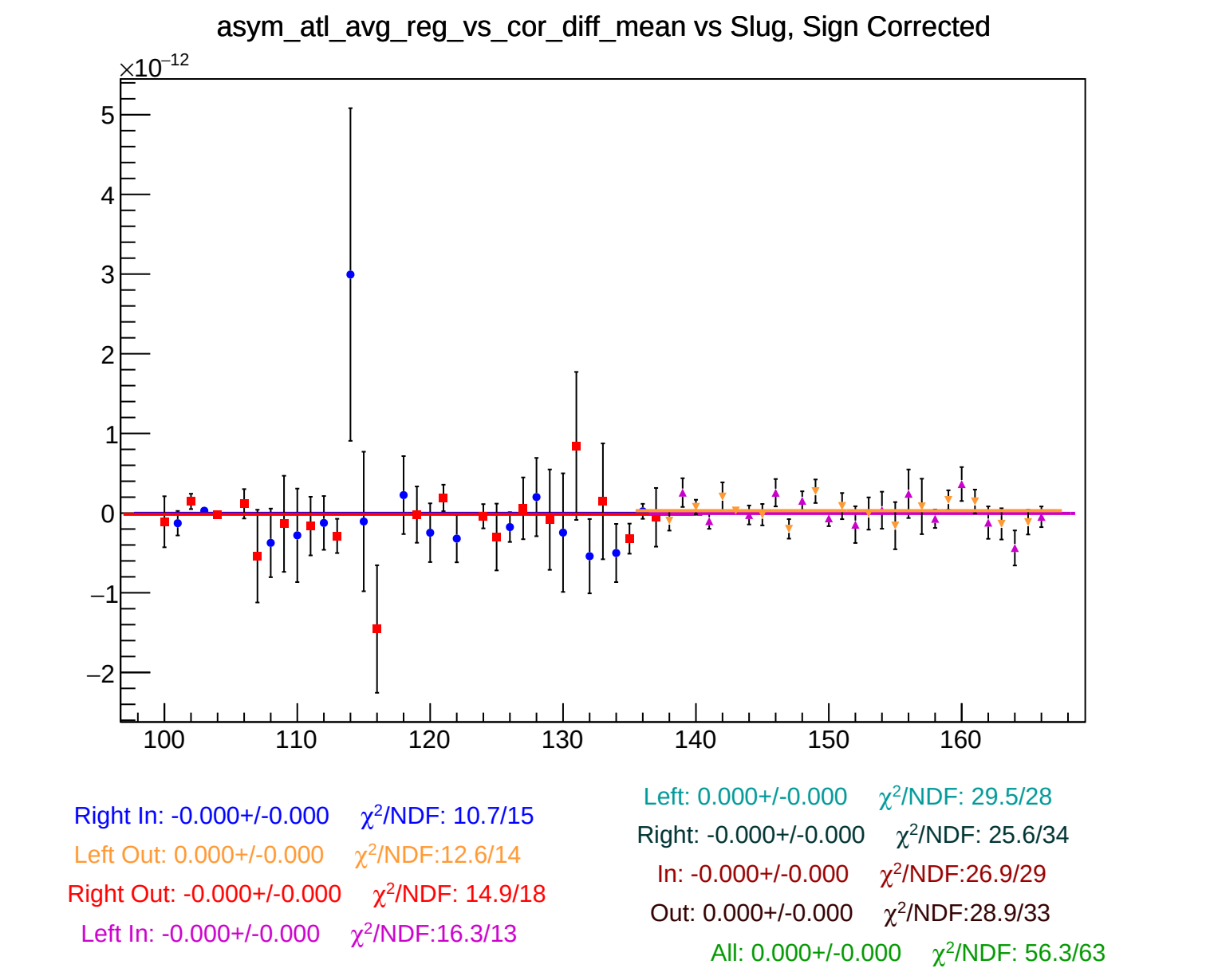
Left: 5174.372+/-0.775 χ^2/NDF: 1839024.9/28

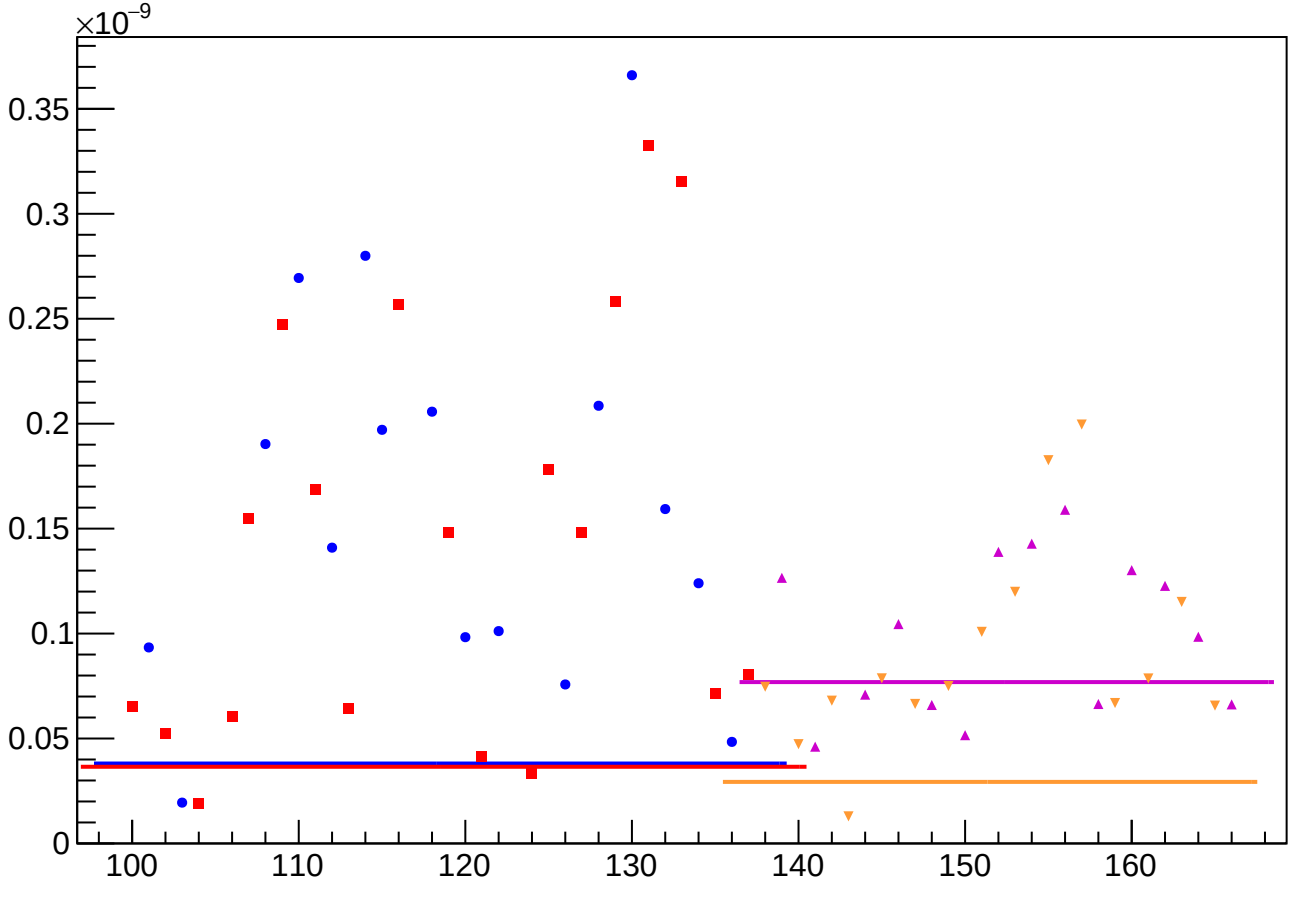
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3998.059+/-0.702 χ^2/NDF:4854059.5/29

Out: 3835.242+/-0.669 χ^2/NDF:5068197.9/33

All: 3912.774+/-0.484 χ^2/NDF: 9950454.2/63


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:12.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: -0.000+/-0.000 χ²/NDF:16.3/13
Left: 0.000+/-0.000 χ²/NDF: 29.5/28
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:26.9/29
Out: 0.000+/-0.000 χ²/NDF:28.9/33
All: 0.000+/-0.000 χ²/NDF: 56.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4767796.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1285490.4/13

Left: 0.000+/-0.000 χ^2/NDF: 8423178.8/28

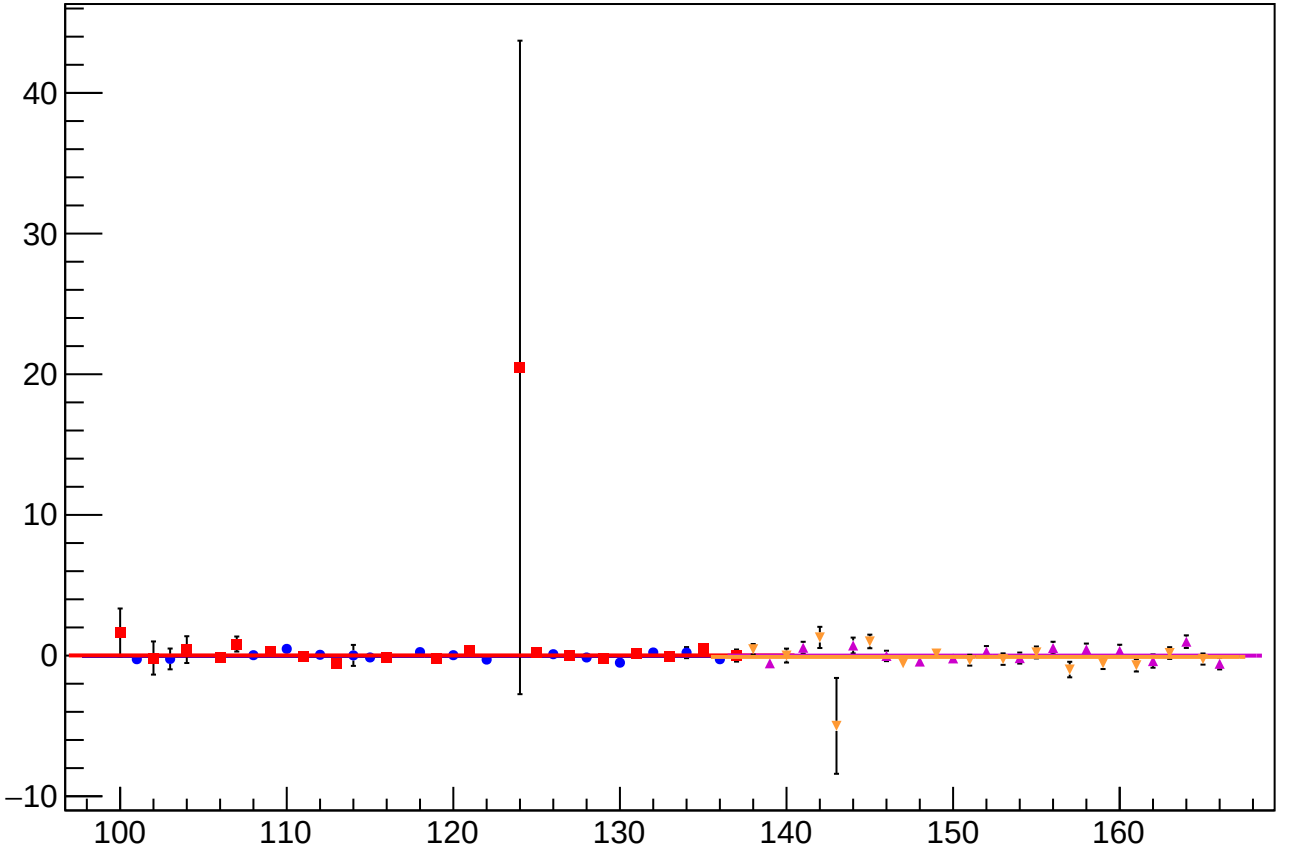
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5305808.6/29

Out: 0.000+/-0.000 χ^2/NDF:7522262.0/33

All: 0.000+/-0.000 χ^2/NDF: 14007370.7/63

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

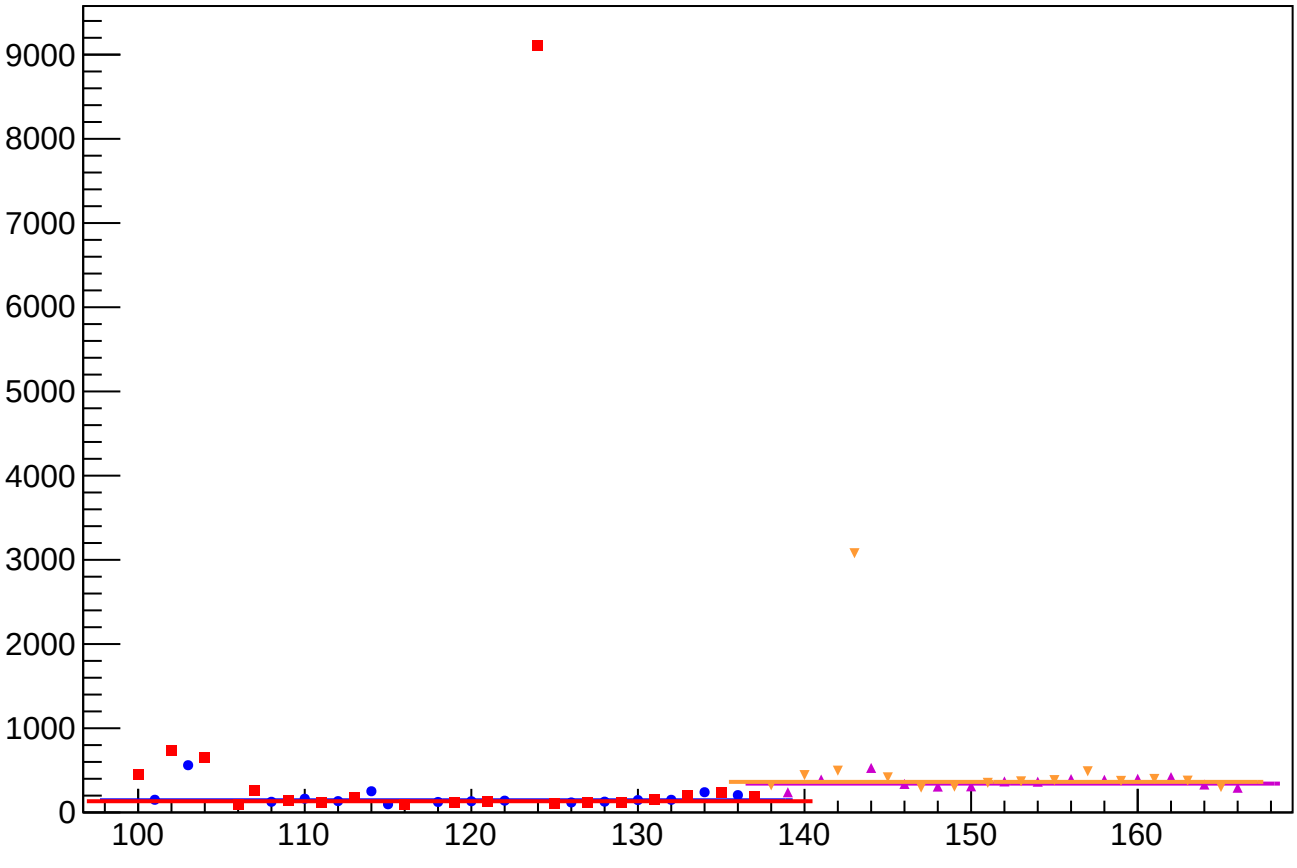
Left: -0.046+/-0.076 χ^2/NDF: 43.7/28

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.017+/-0.036 χ^2/NDF: 83.2/63



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 363.105+/-0.079 χ^2/NDF:1755342.6/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.619+/-0.074 χ^2/NDF:758794.1/13

Left: 352.180+/-0.054 χ^2/NDF: 2550165.6/28

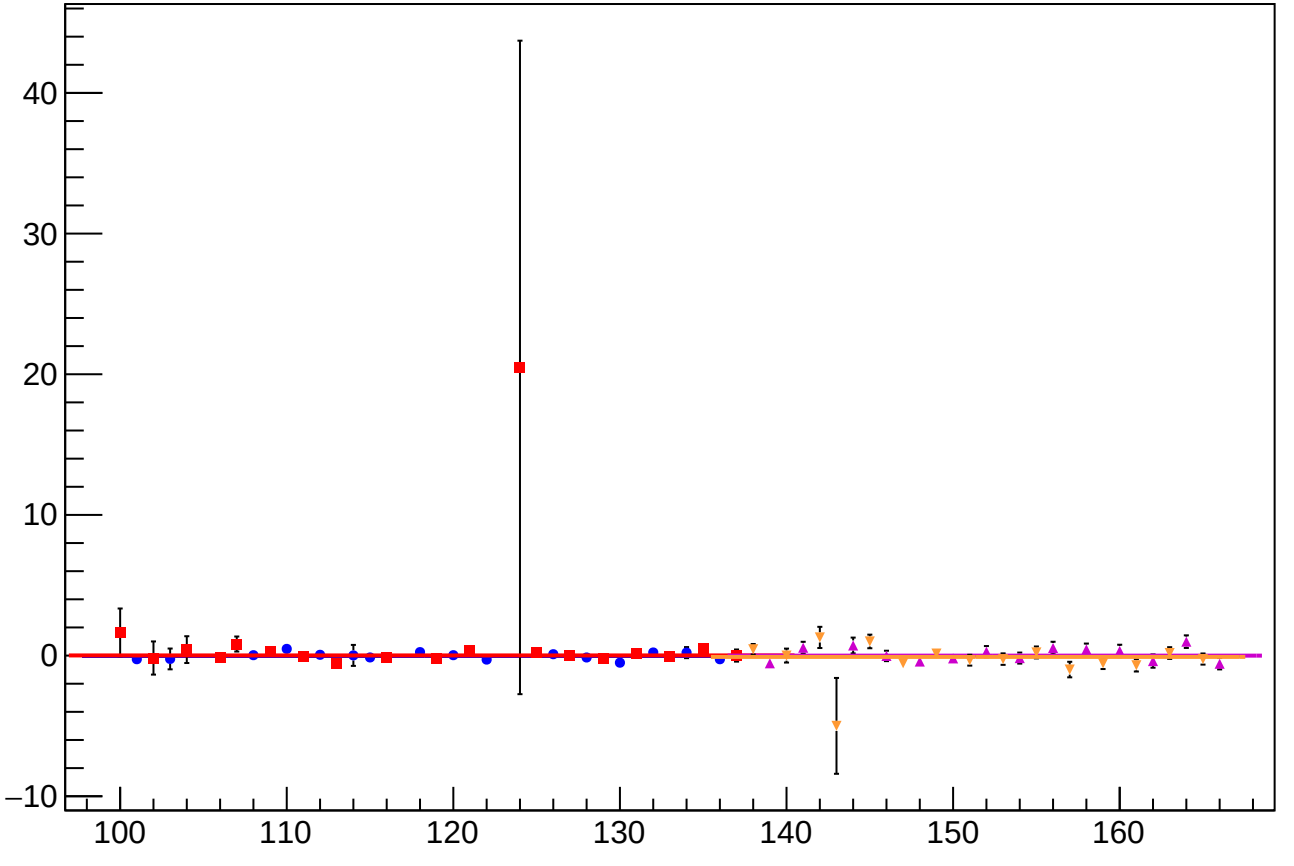
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 190.943+/-0.036 χ^2/NDF:7421328.5/29

Out: 180.255+/-0.036 χ^2/NDF:10741727.8/33

All: 185.581+/-0.025 χ^2/NDF: 18207866.4/63

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.046+/-0.076 χ^2/NDF: 43.7/28

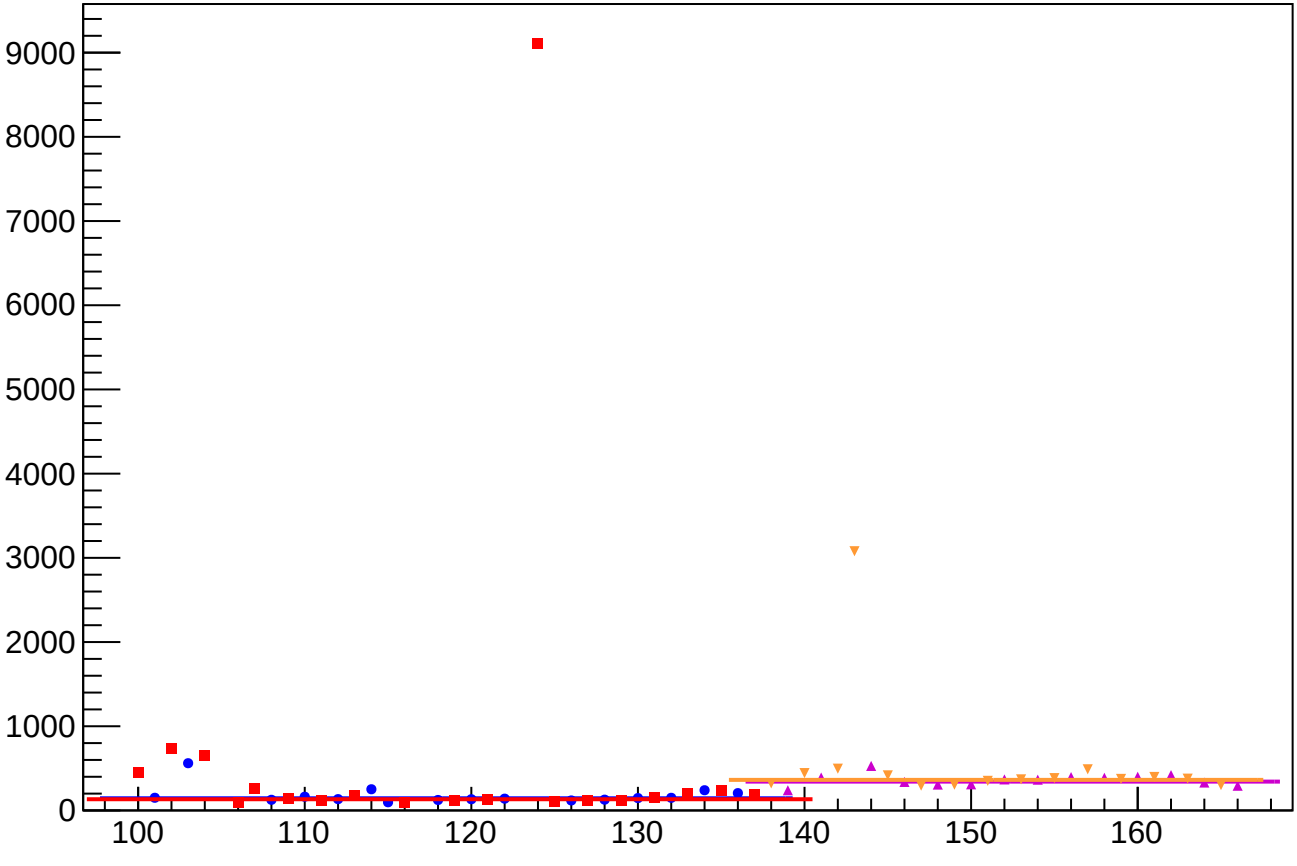
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.017+/-0.036 χ^2/NDF: 83.2/63

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 363.105+/-0.079 χ^2/NDF:1755342.6/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.619+/-0.074 χ^2/NDF:758794.1/13

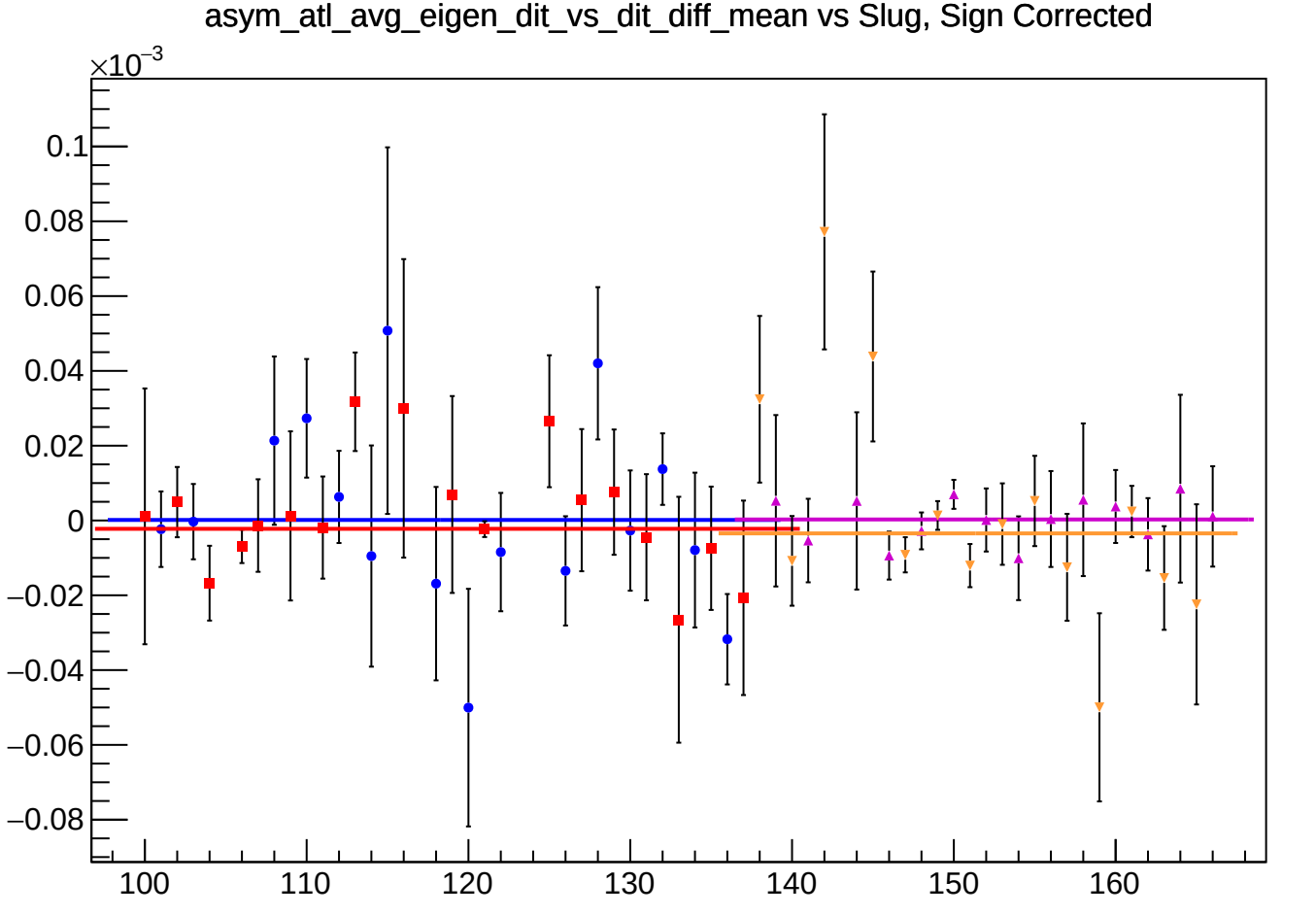
Left: 352.180+/-0.054 χ^2/NDF: 2550165.6/28

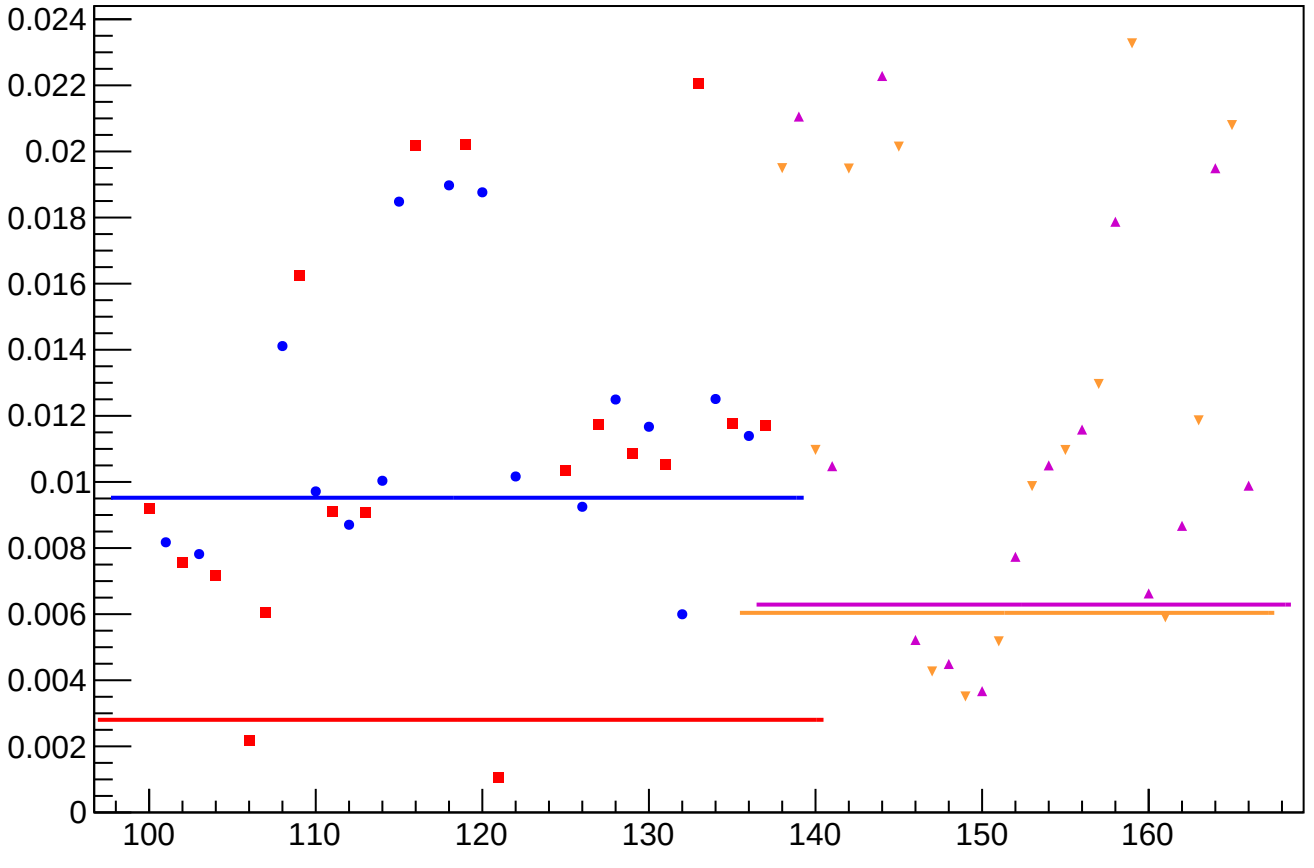
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 190.943+/-0.036 χ^2/NDF:7421328.5/29

Out: 180.255+/-0.036 χ^2/NDF:10741727.8/33

All: 185.581+/-0.025 χ^2/NDF: 18207866.4/63


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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:25.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:7.3/13
Left: -0.000+/-0.000 χ²/NDF: 34.2/27
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:30.1/29
Out: -0.000+/-0.000 χ²/NDF:41.3/31
All: -0.000+/-0.000 χ²/NDF: 73.0/61



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:6353263.7/13

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5403673.6/13

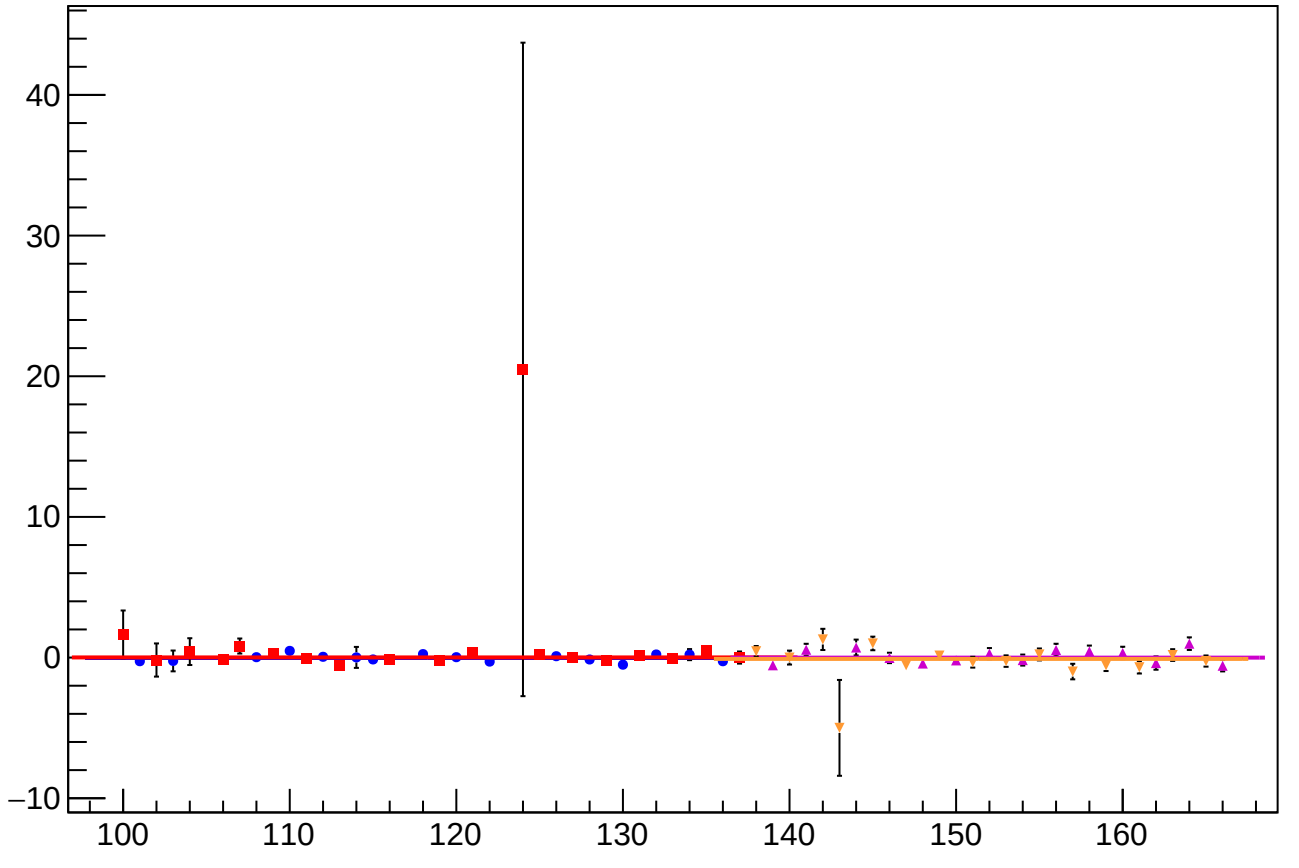
Left: 0.006+/-0.000 χ^2/NDF: 11769634.9/27

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:7639321.6/29

Out: 0.004+/-0.000 χ^2/NDF:17591807.6/31

All: 0.005+/-0.000 χ^2/NDF: 28747371.8/61



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

Left: -0.046+/-0.076 χ^2/NDF: 43.7/28

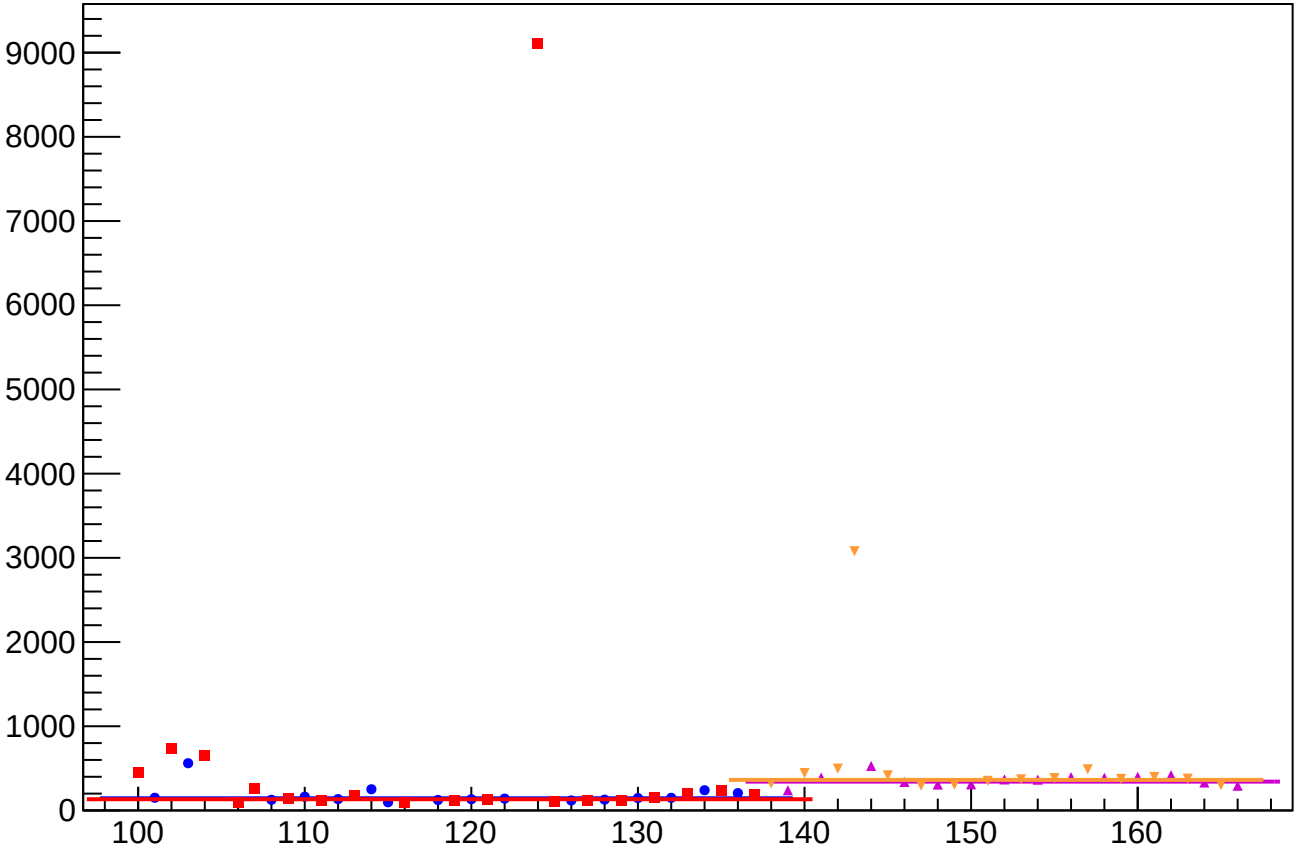
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.017+/-0.036 χ^2/NDF: 83.2/63

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 363.110+/-0.079 χ^2/NDF:1755365.4/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.625+/-0.074 χ^2/NDF:758792.3/13

Left: 352.185+/-0.054 χ^2/NDF: 2550185.9/28

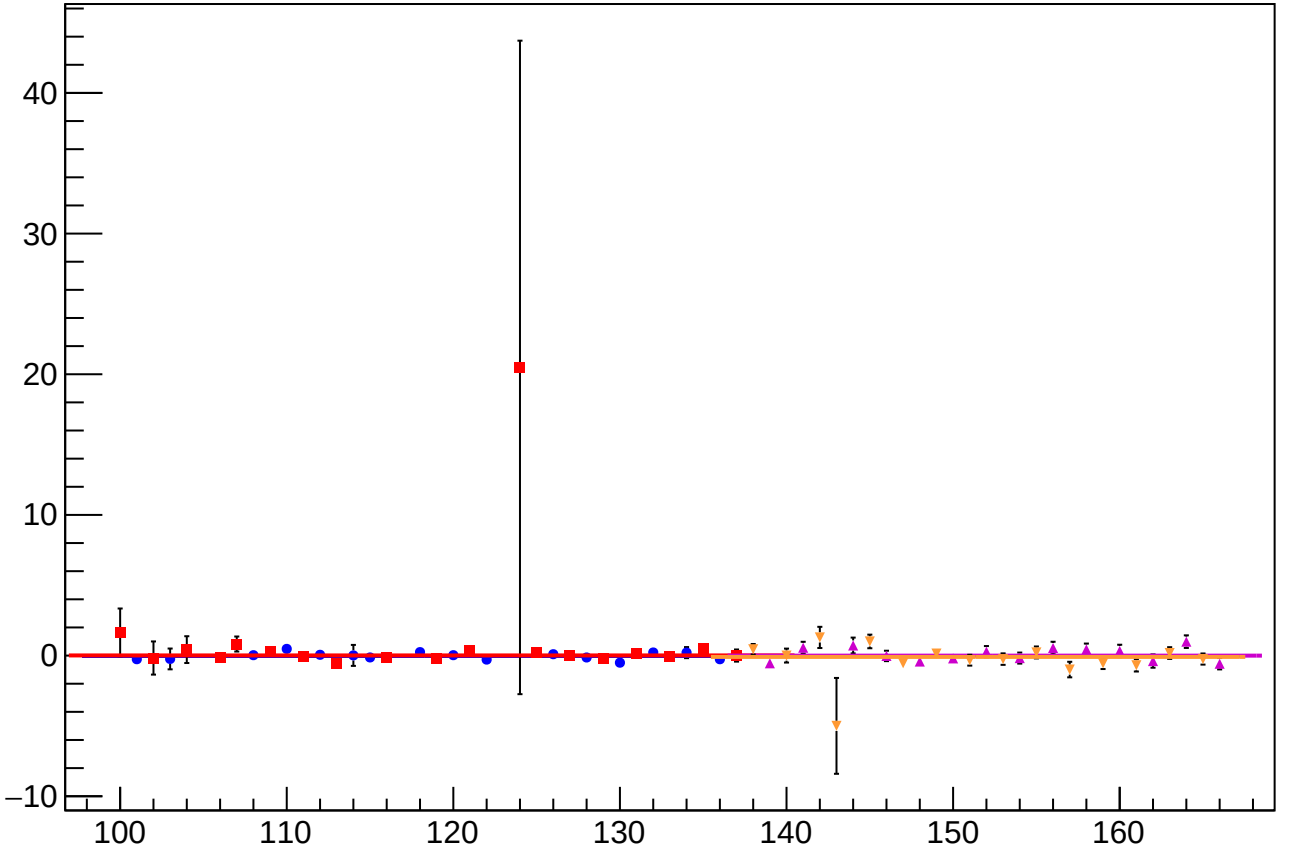
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 190.941+/-0.036 χ^2/NDF:7421617.5/29

Out: 180.254+/-0.036 χ^2/NDF:10741918.2/33

All: 185.580+/-0.025 χ^2/NDF: 18208340.8/63

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.004+/-0.104 χ^2/NDF:20.8/13

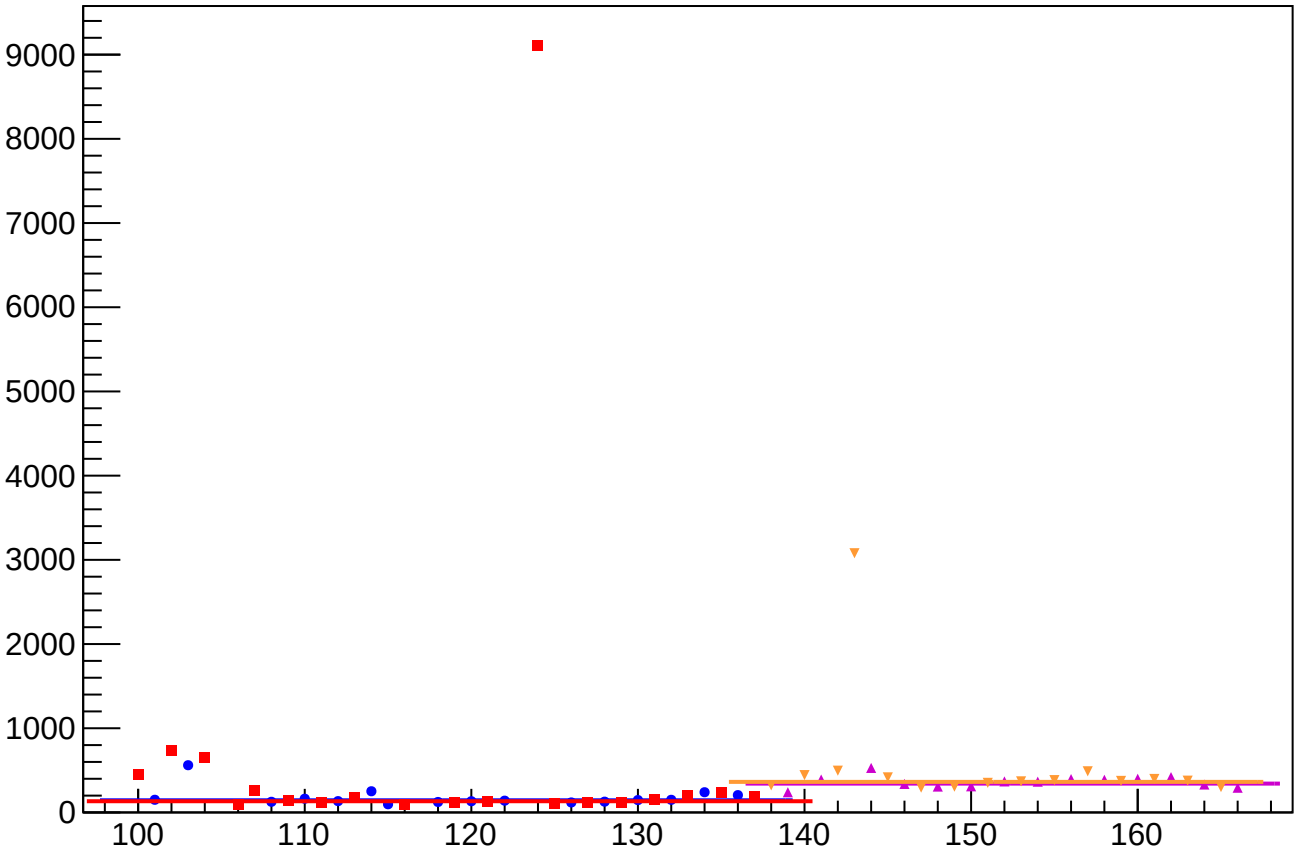
Left: -0.046+/-0.076 χ^2/NDF: 43.7/28

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.051 χ^2/NDF:38.1/29

Out: -0.011+/-0.050 χ^2/NDF:45.1/33

All: -0.017+/-0.036 χ^2/NDF: 83.2/63



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 363.110+/-0.079 χ^2/NDF:1755365.4/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.625+/-0.074 χ^2/NDF:758792.3/13

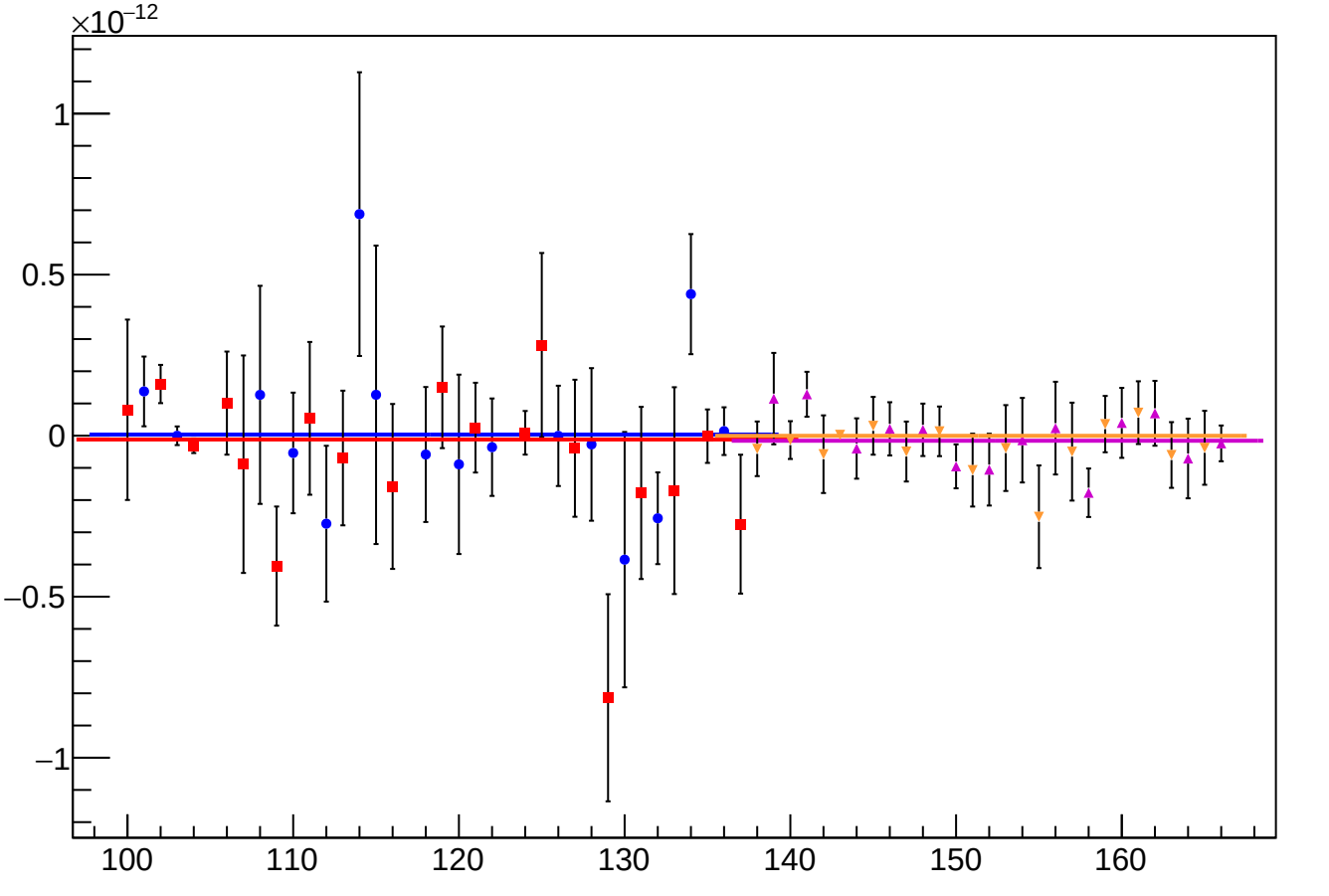
Left: 352.185+/-0.054 χ^2/NDF: 2550185.9/28

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 190.941+/-0.036 χ^2/NDF:7421617.5/29

Out: 180.254+/-0.036 χ^2/NDF:10741918.2/33

All: 185.580+/-0.025 χ^2/NDF: 18208340.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/13

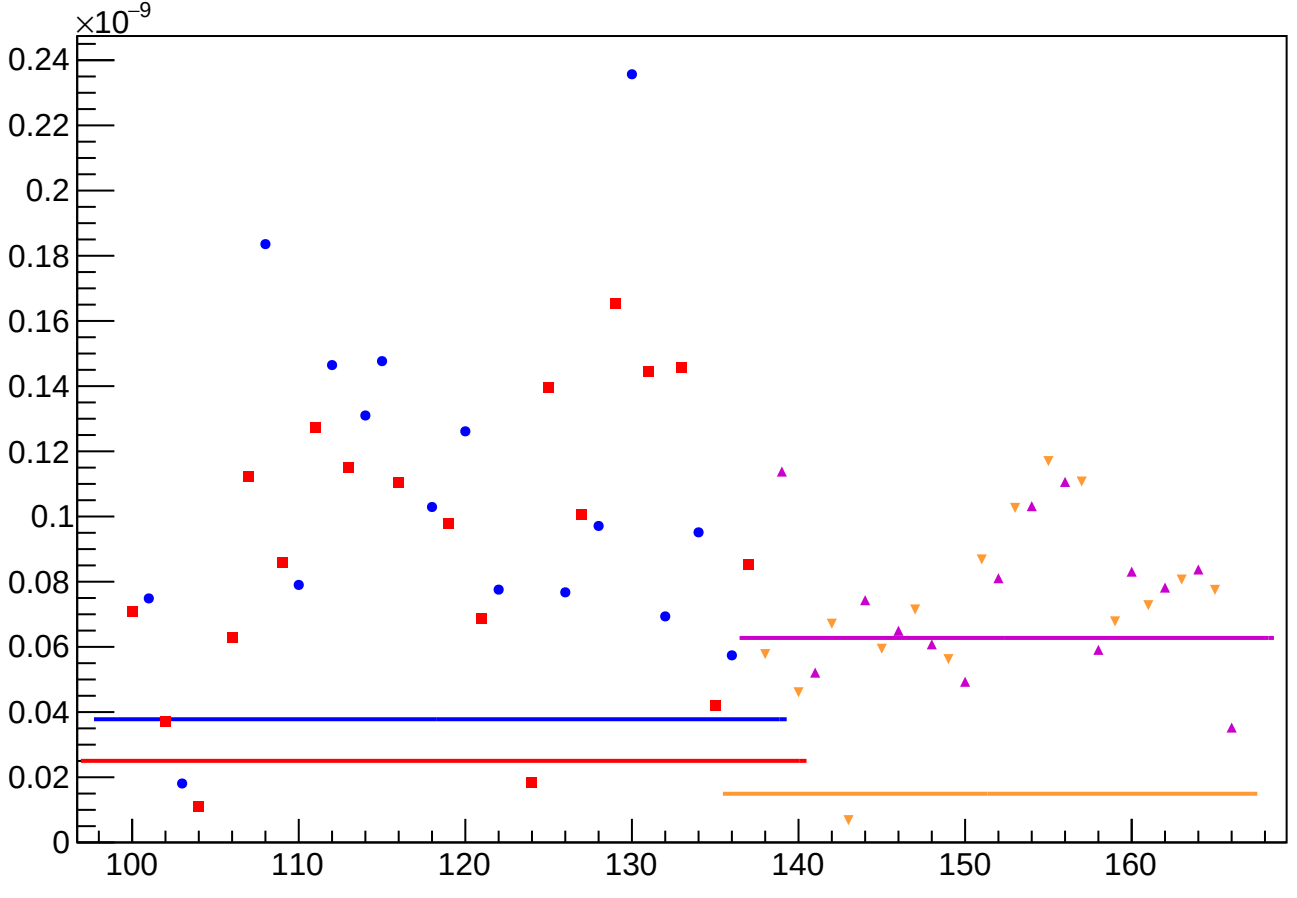
Left: -0.000+/-0.000 χ^2/NDF: 19.6/28

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:31.2/33

All: -0.000+/-0.000 χ^2/NDF: 60.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10700793.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1550421.9/13

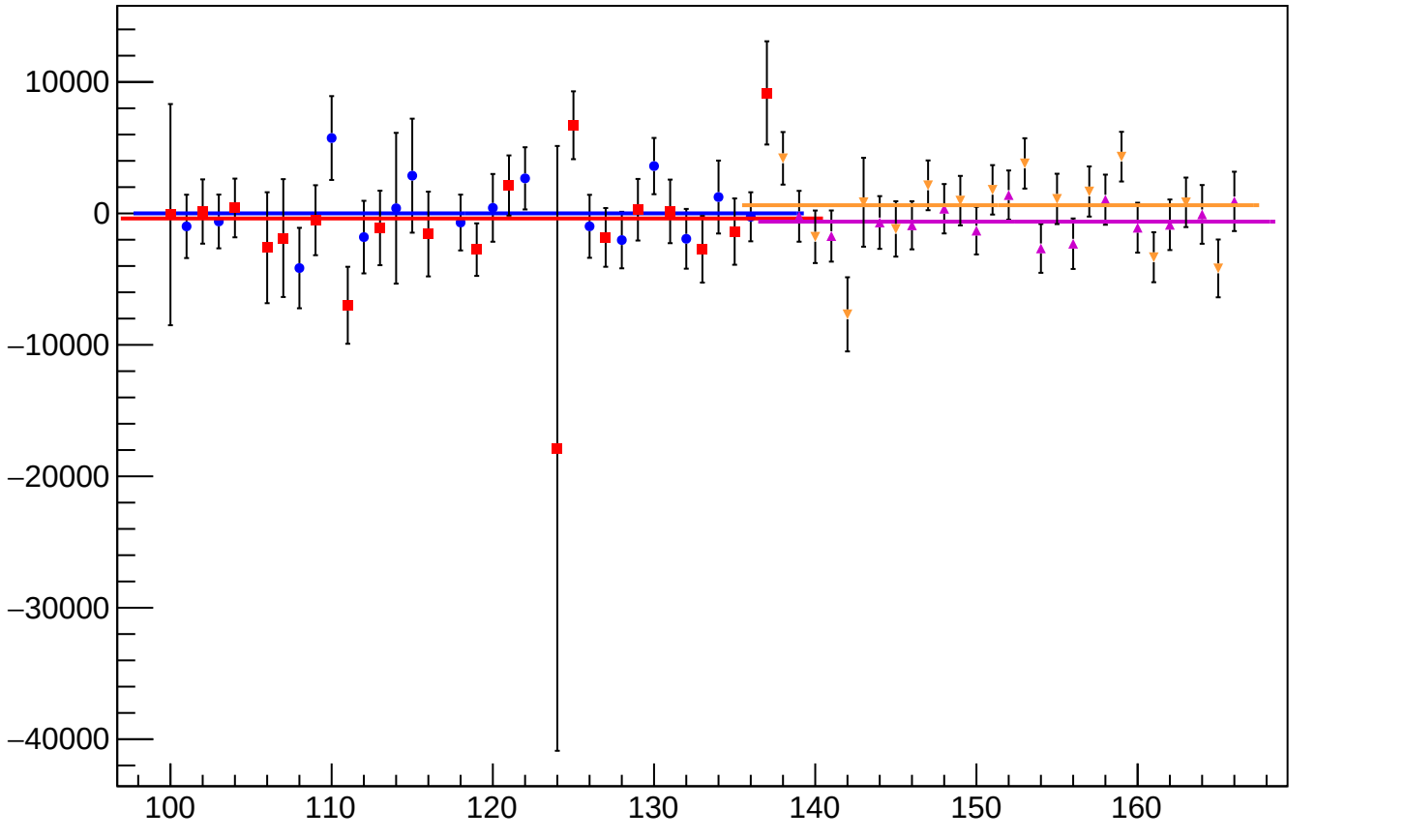
Left: 0.000+/-0.000 χ^2/NDF: 19420811.1/28

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6601840.0/29

Out: 0.000+/-0.000 χ^2/NDF:15875747.3/33

All: 0.000+/-0.000 χ^2/NDF: 28900397.6/63



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.578+/-523.540 χ^2/NDF:31.2/14

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -624.378+/-517.585 χ^2/NDF:5.3/13

Left: -7.044+/-368.075 χ^2/NDF: 39.3/28

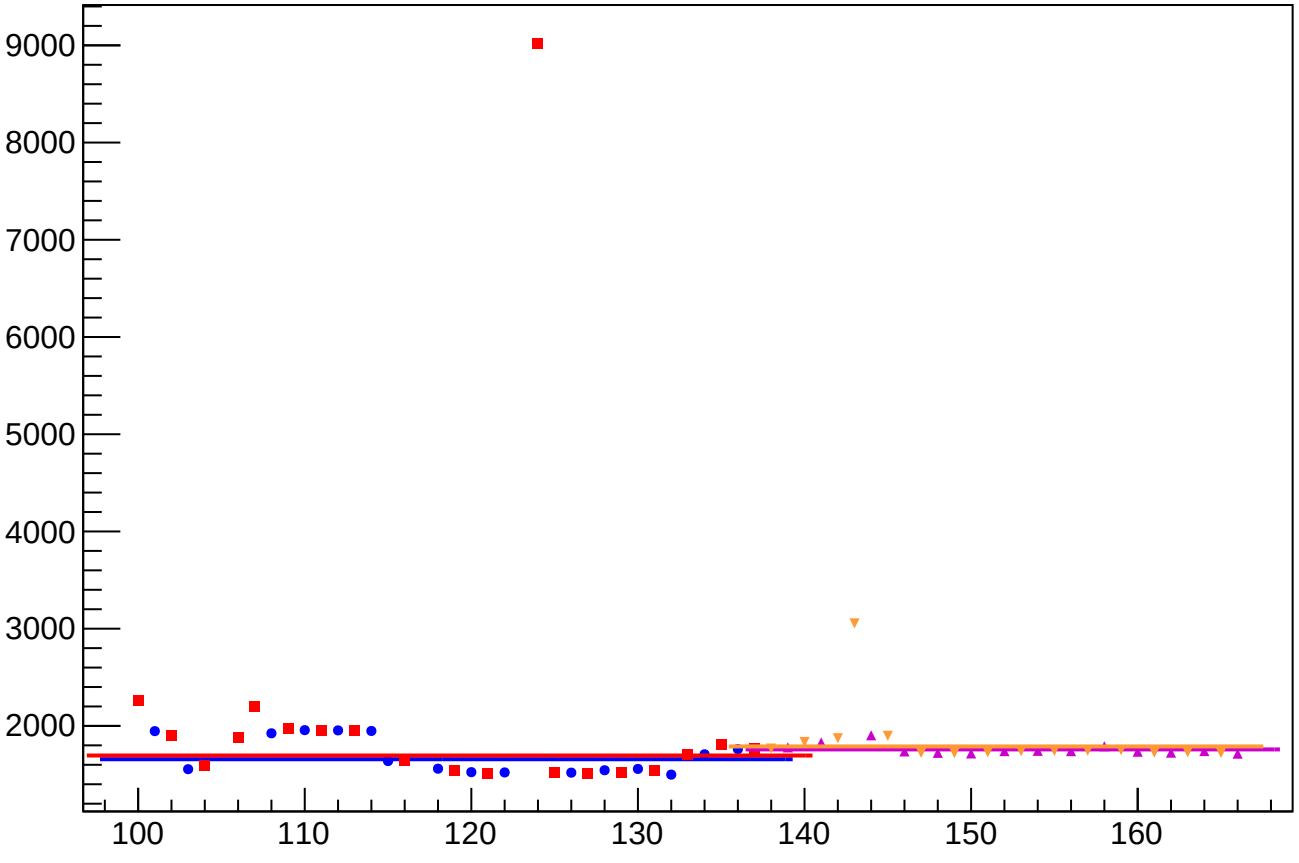
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -366.107+/-397.305 χ^2/NDF:18.4/29

Out: 215.114+/-403.609 χ^2/NDF:56.7/33

All: -80.071+/-283.140 χ^2/NDF: 76.1/63

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

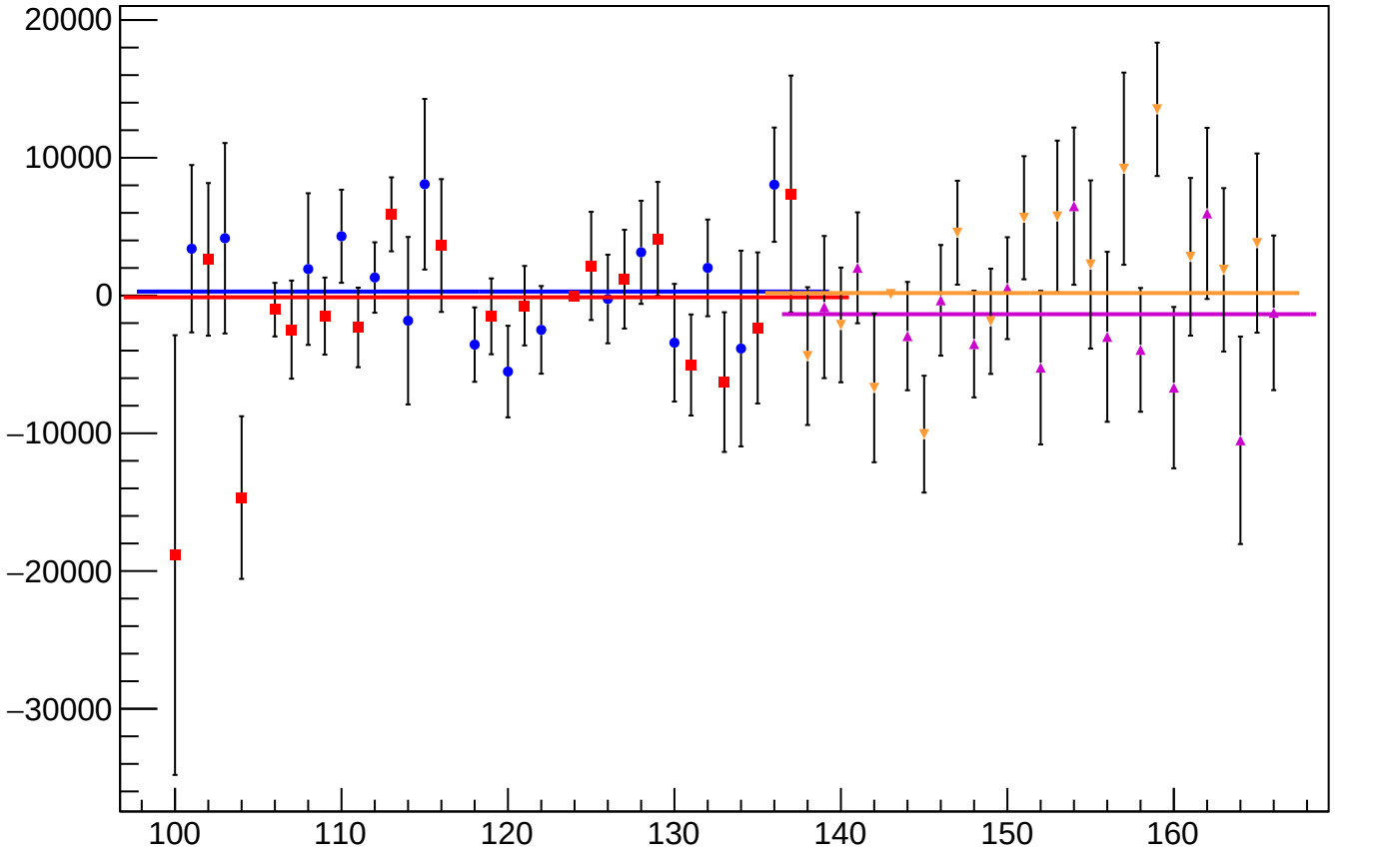
Left: 1773.322+/-0.260 χ^2/NDF: 328105.3/28

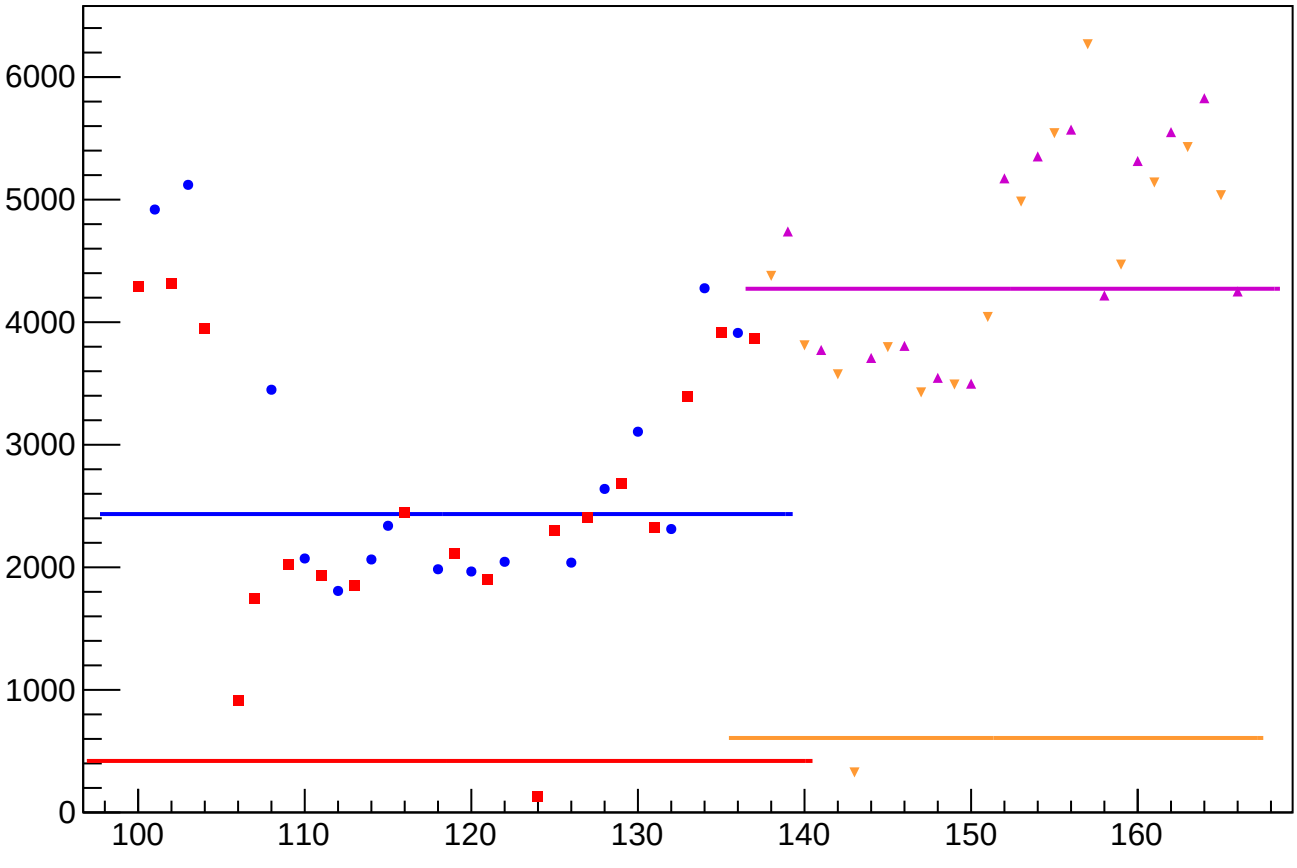
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1716.623+/-0.281 χ^2/NDF:193514.5/29

Out: 1750.858+/-0.285 χ^2/NDF:718442.7/33

All: 1733.503+/-0.200 χ^2/NDF: 919279.1/63


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 180.593+/-350.840 χ²/NDF:22.8/14
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -1353.585+/-1281.655 χ²/NDF:8.0/13
Left: 73.646+/-338.390 χ²/NDF: 32.1/28
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: -302.029+/-768.906 χ²/NDF:24.3/29
Out: 15.211+/-237.913 χ²/NDF:44.0/33
All: -12.507+/-227.282 χ²/NDF: 68.4/63



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 607.706+/-0.248 χ^2/NDF:17347204.2/14

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4272.878+/-0.906 χ^2/NDF:719280.0/13

Left: 863.205+/-0.239 χ^2/NDF: 33282277.6/28

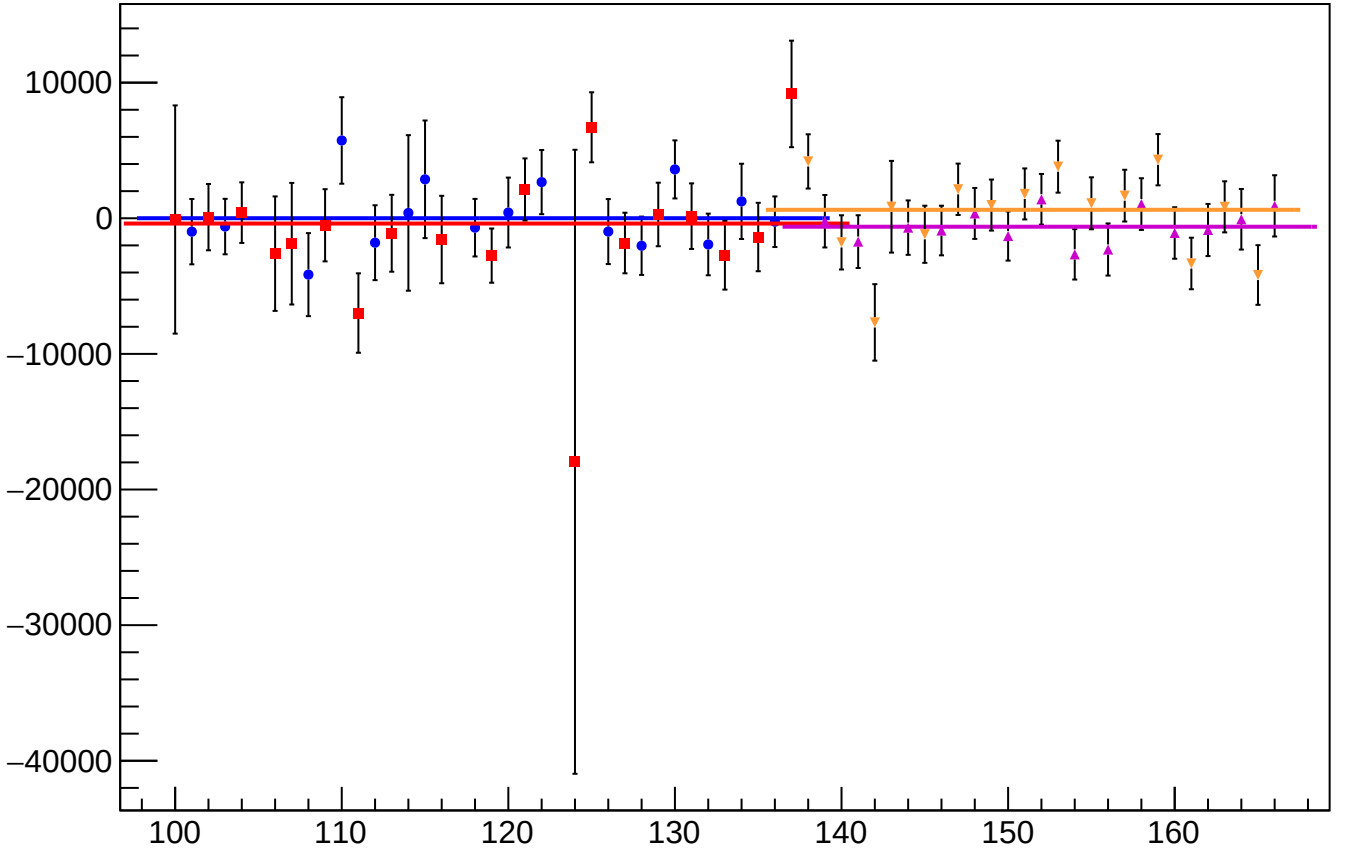
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3096.225+/-0.544 χ^2/NDF:4810594.2/29

Out: 506.475+/-0.168 χ^2/NDF:28719446.2/33

All: 732.752+/-0.161 χ^2/NDF: 54235850.0/63

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -624.404+/-517.585 χ^2/NDF:5.3/13

Left: -7.111+/-368.075 χ^2/NDF: 39.3/28

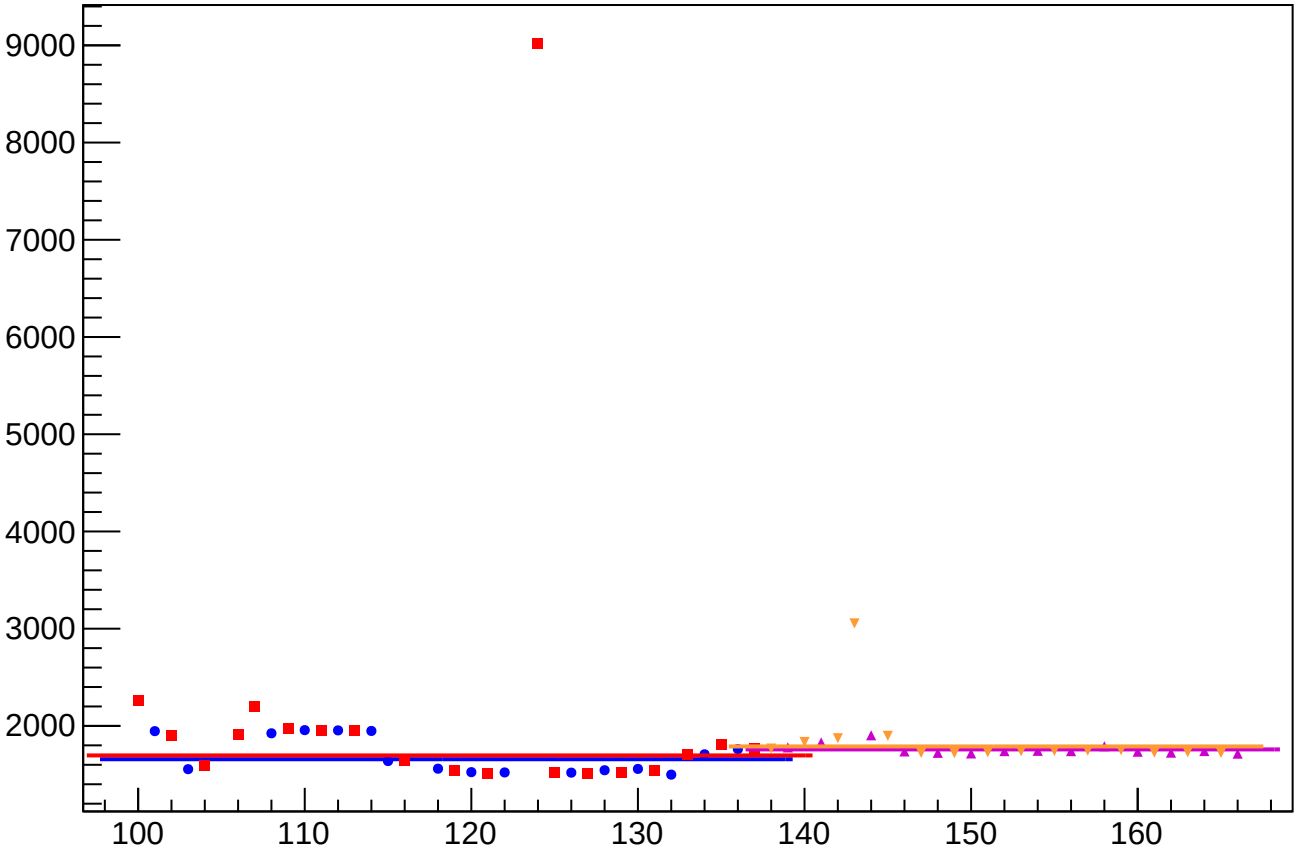
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -366.154+/-397.305 χ^2/NDF:18.4/29

Out: 213.312+/-403.611 χ^2/NDF:56.7/33

All: -80.983+/-283.140 χ^2/NDF: 76.1/63

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

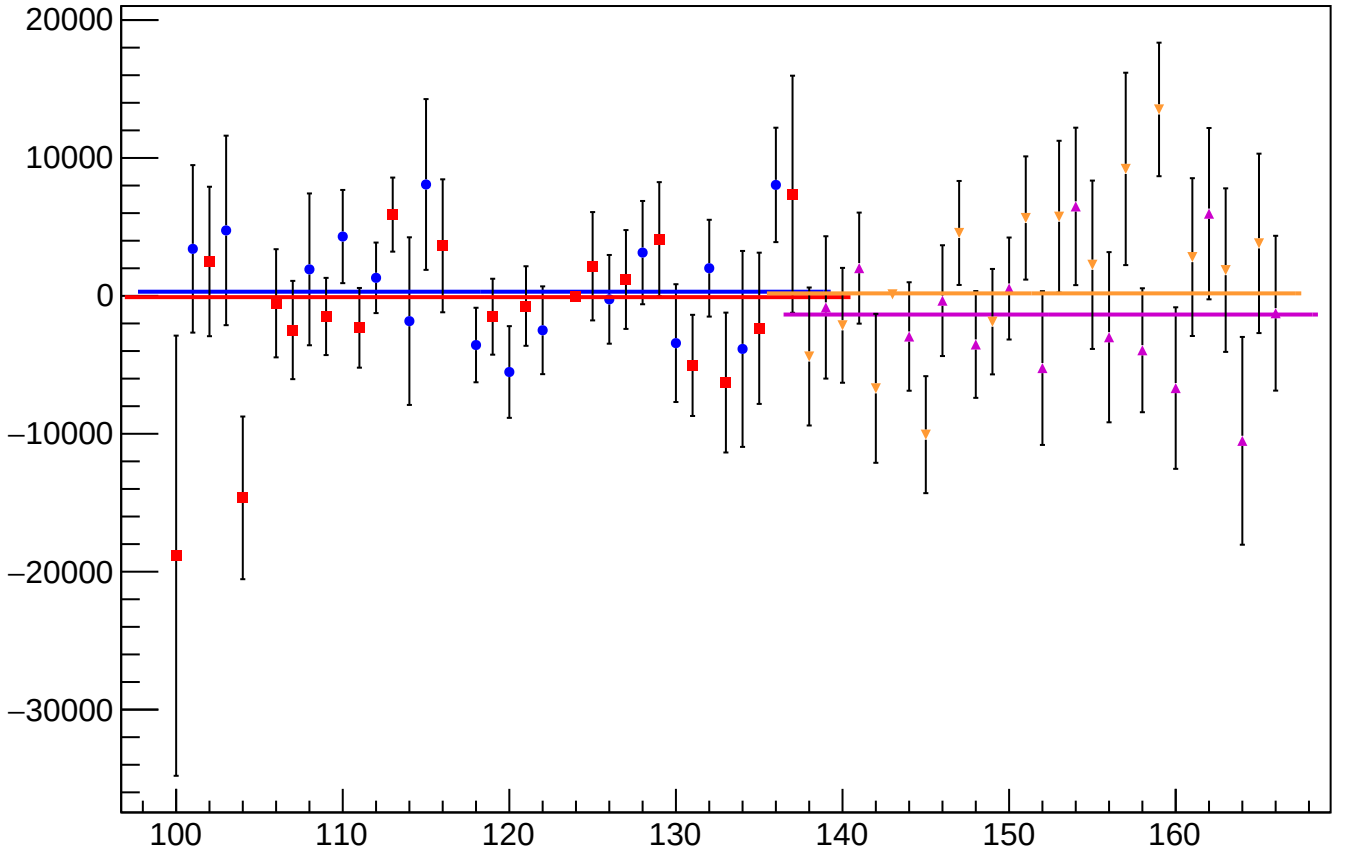
Left: 1773.322+/-0.260 χ^2/NDF: 328105.3/28

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.623+/-0.281 χ^2/NDF:193514.6/29

Out: 1751.203+/-0.285 χ^2/NDF:719747.8/33

All: 1733.670+/-0.200 χ^2/NDF: 920731.4/63



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1353.610+/-1281.654 χ^2/NDF:8.0/13

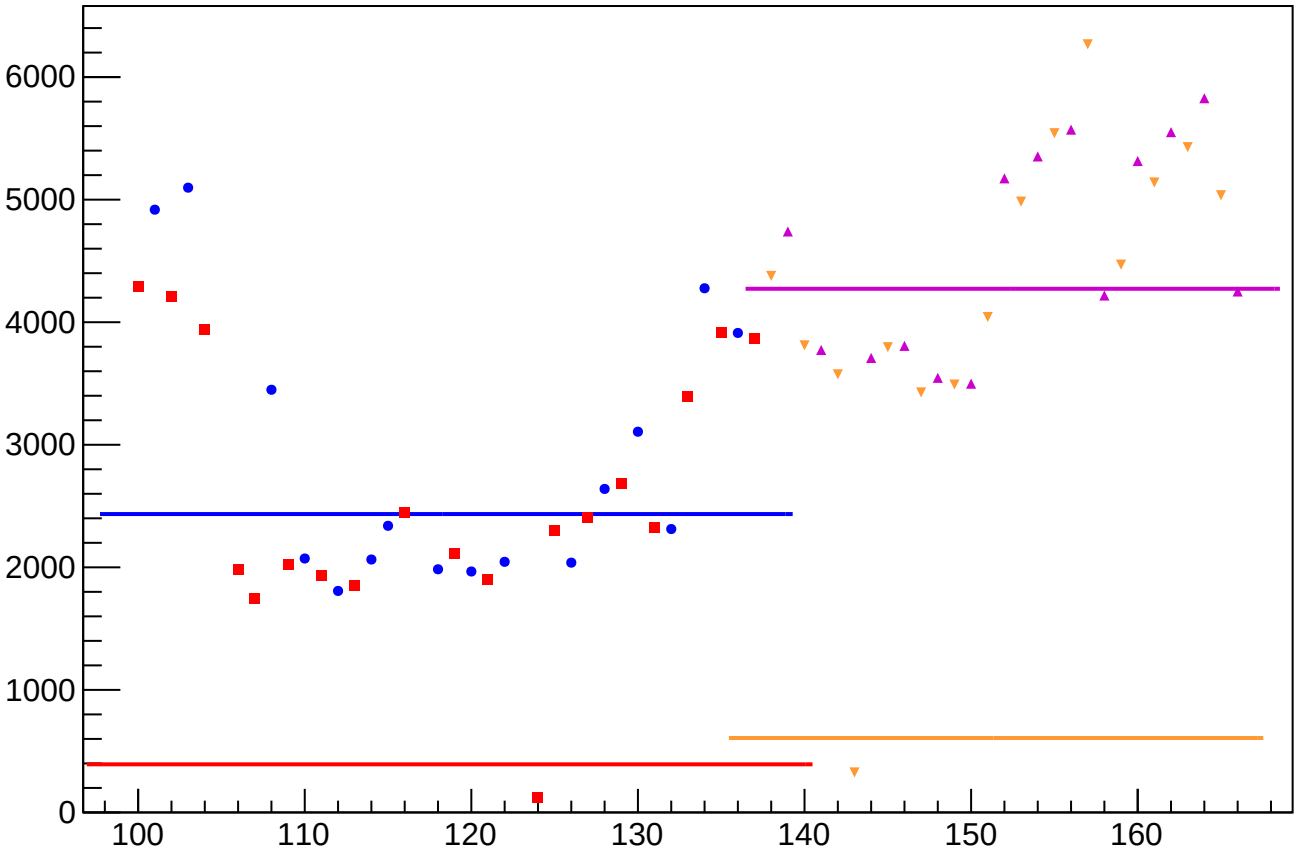
Left: 74.057+/-338.367 χ^2/NDF: 32.1/28

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -293.894+/-768.845 χ^2/NDF:24.4/29

Out: 30.057+/-234.692 χ^2/NDF:43.7/33

All: 2.445+/-224.467 χ^2/NDF: 68.3/63



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4272.875+/-0.906 χ^2/NDF:719271.6/13

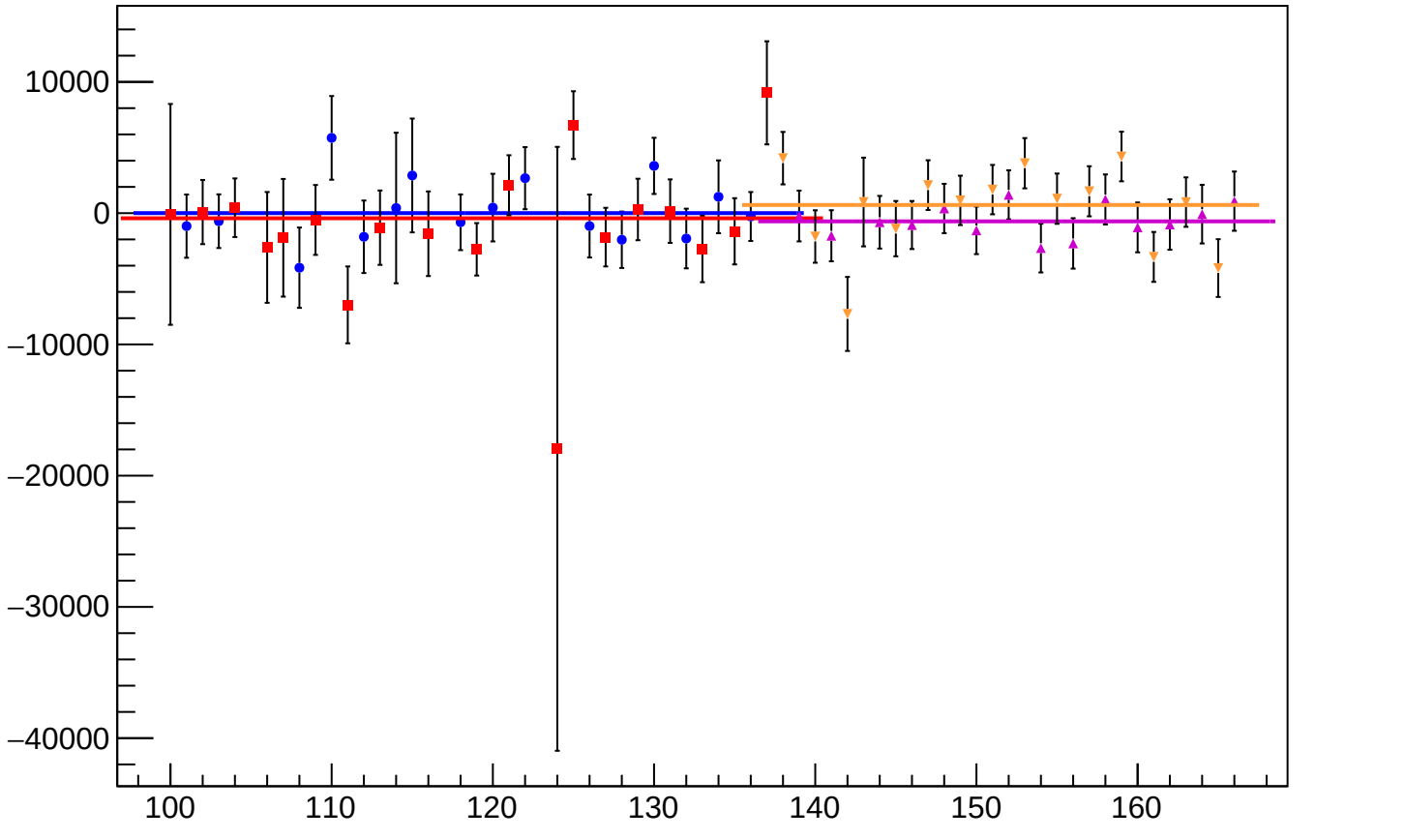
Left: 863.107+/-0.239 χ^2/NDF: 33283409.4/28

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3096.226+/-0.544 χ^2/NDF:4808646.3/29

Out: 488.877+/-0.166 χ^2/NDF:29170521.3/33

All: 711.120+/-0.159 χ^2/NDF: 55019832.8/63



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -624.404+/-517.585 χ^2/NDF:5.3/13

Left: -7.111+/-368.075 χ^2/NDF: 39.3/28

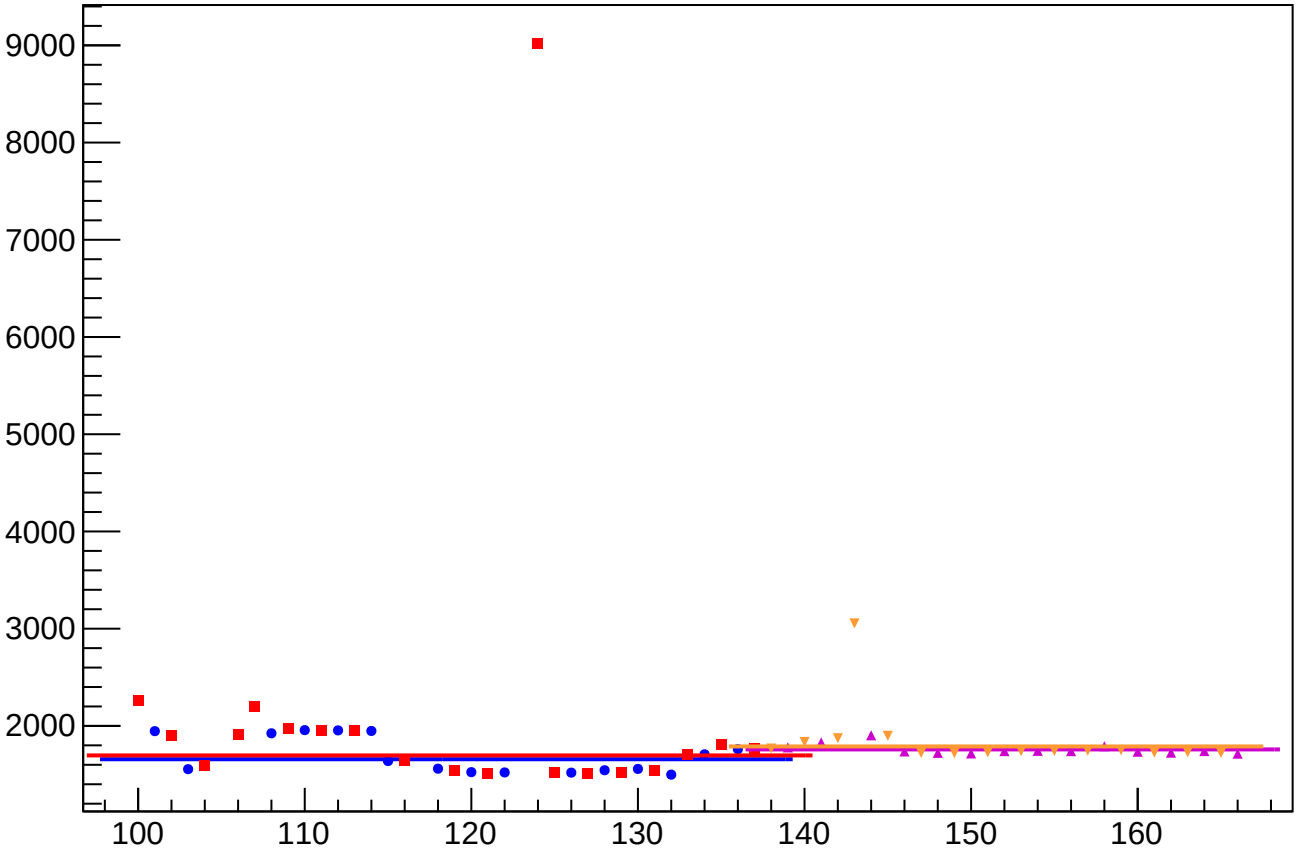
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -366.154+/-397.305 χ^2/NDF:18.4/29

Out: 213.312+/-403.611 χ^2/NDF:56.7/33

All: -80.983+/-283.140 χ^2/NDF: 76.1/63

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1758.104+/-0.366 χ^2/NDF:18258.3/13

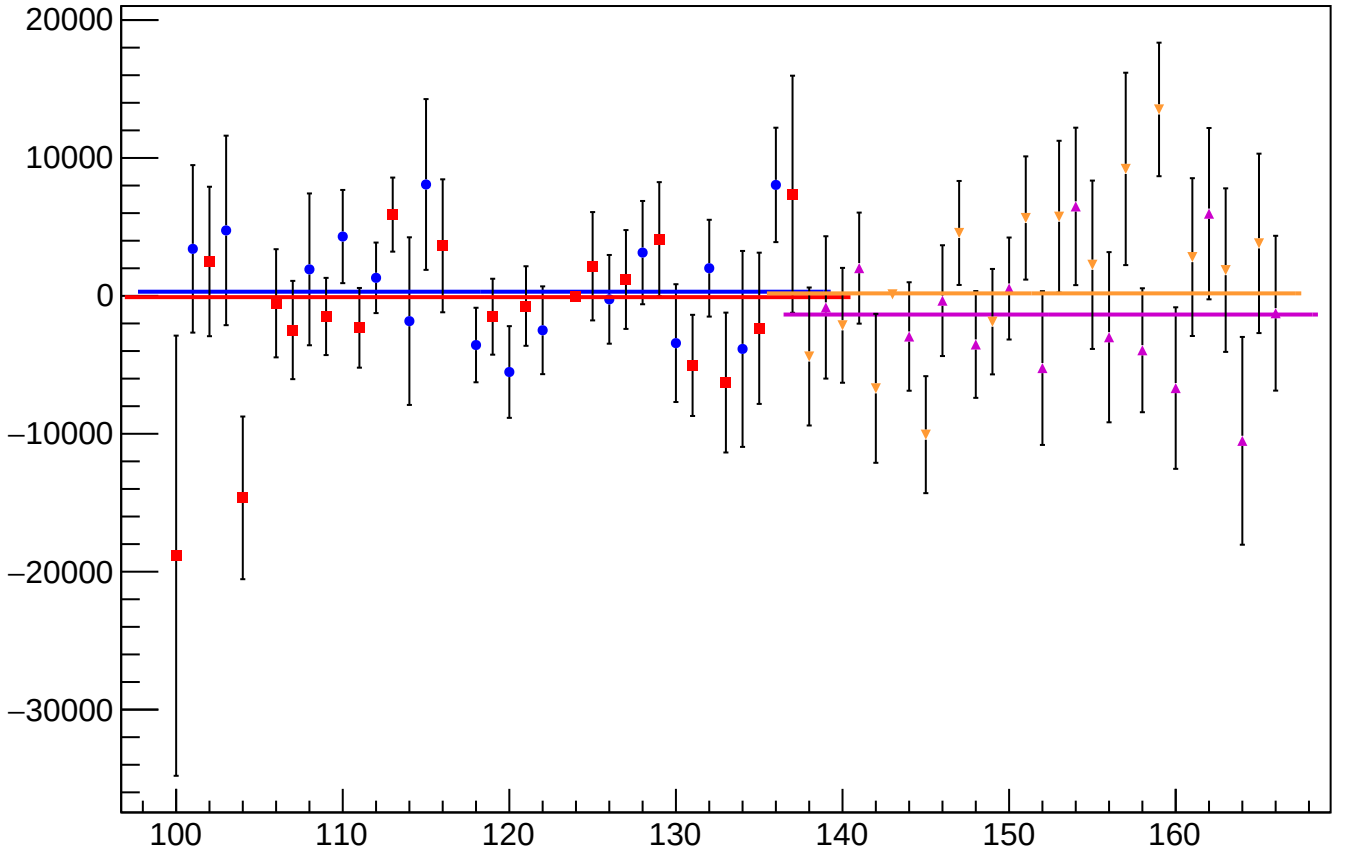
Left: 1773.322+/-0.260 χ^2/NDF: 328105.3/28

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.623+/-0.281 χ^2/NDF:193514.6/29

Out: 1751.203+/-0.285 χ^2/NDF:719747.8/33

All: 1733.670+/-0.200 χ^2/NDF: 920731.4/63



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1353.610+/-1281.654 χ^2/NDF:8.0/13

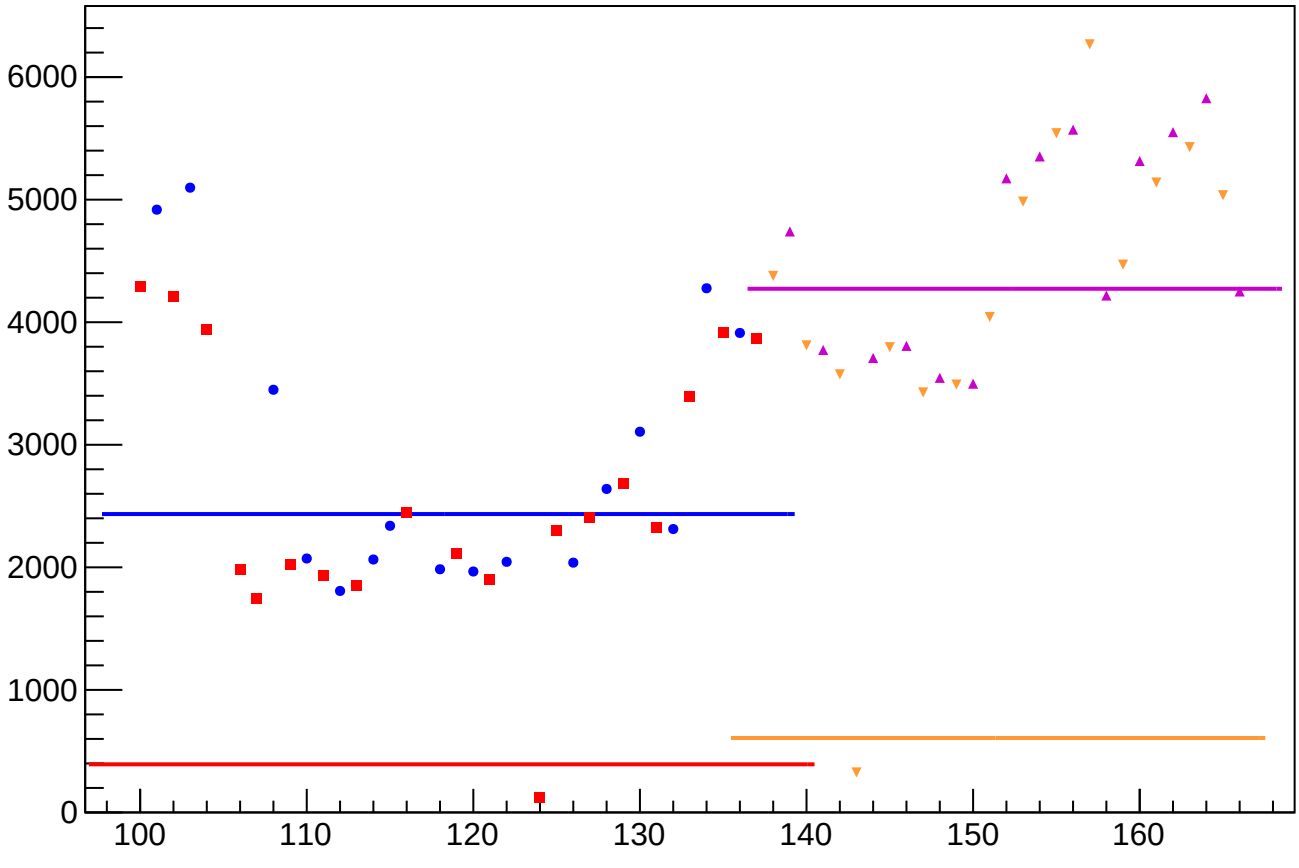
Left: 74.057+/-338.367 χ^2/NDF: 32.1/28

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -293.894+/-768.845 χ^2/NDF:24.4/29

Out: 30.057+/-234.692 χ^2/NDF:43.7/33

All: 2.445+/-224.467 χ^2/NDF: 68.3/63



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4272.875+/-0.906 χ^2/NDF:719271.6/13

Left: 863.107+/-0.239 χ^2/NDF: 33283409.4/28

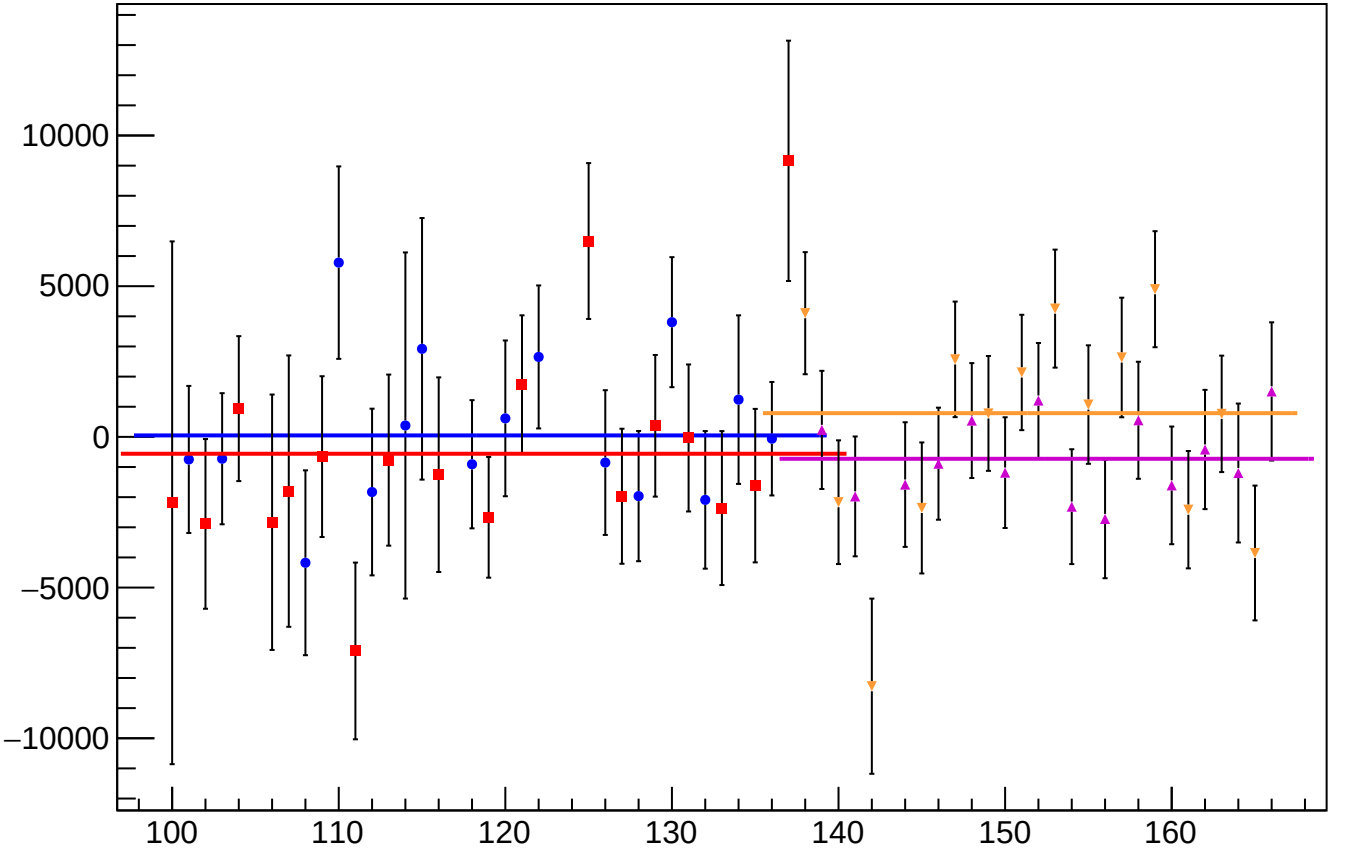
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3096.226+/-0.544 χ^2/NDF:4808646.3/29

Out: 488.877+/-0.166 χ^2/NDF:29170521.3/33

All: 711.120+/-0.159 χ^2/NDF: 55019832.8/63

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 787.201+/-541.814 χ^2/NDF:33.5/13

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -727.206+/-528.667 χ^2/NDF:5.7/13

Left: 11.401+/-378.387 χ^2/NDF: 43.3/27

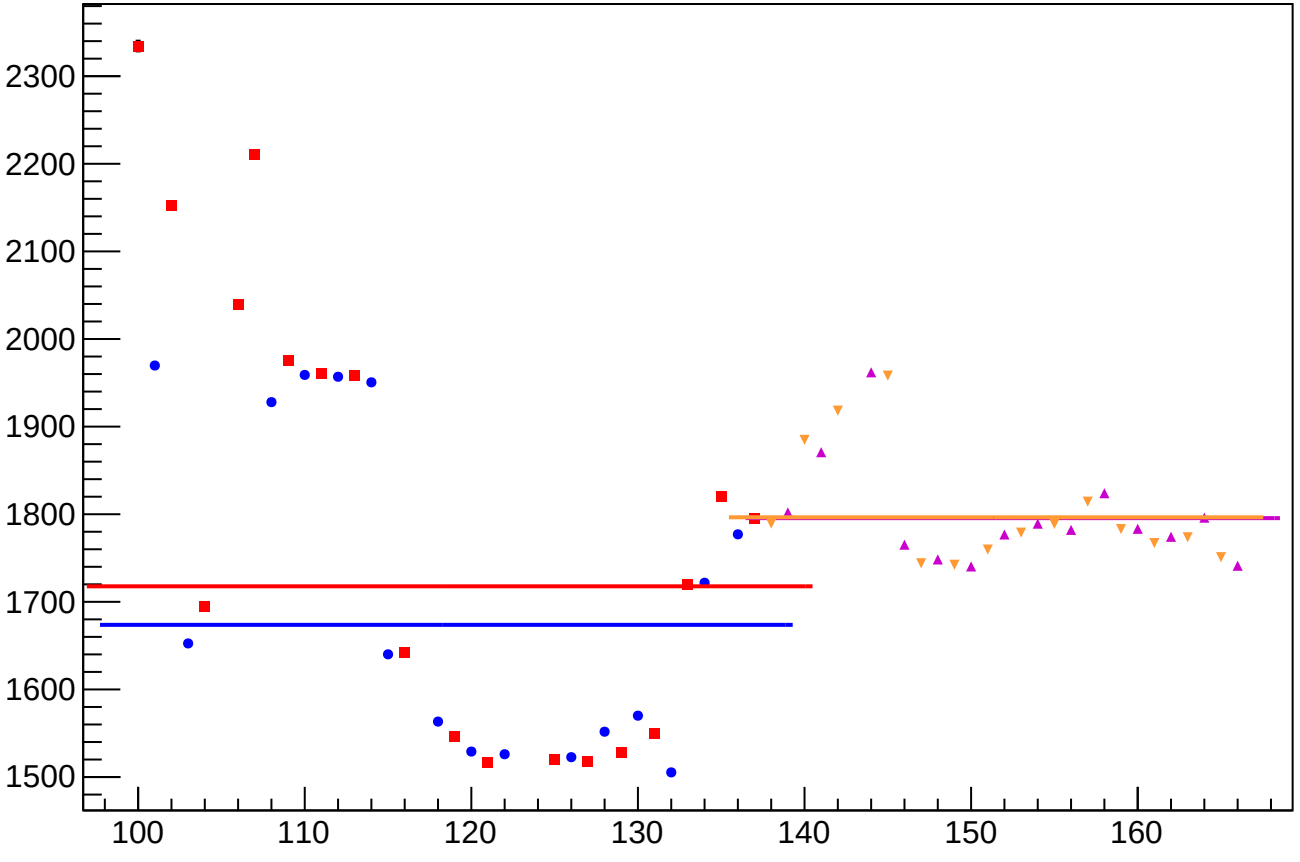
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -404.441+/-403.944 χ^2/NDF:19.4/29

Out: 230.313+/-414.943 χ^2/NDF:59.4/31

All: -95.588+/-289.442 χ^2/NDF: 80.0/61

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.498+/-0.383 χ^2/NDF:24179.5/13

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1795.537+/-0.374 χ^2/NDF:21567.1/13

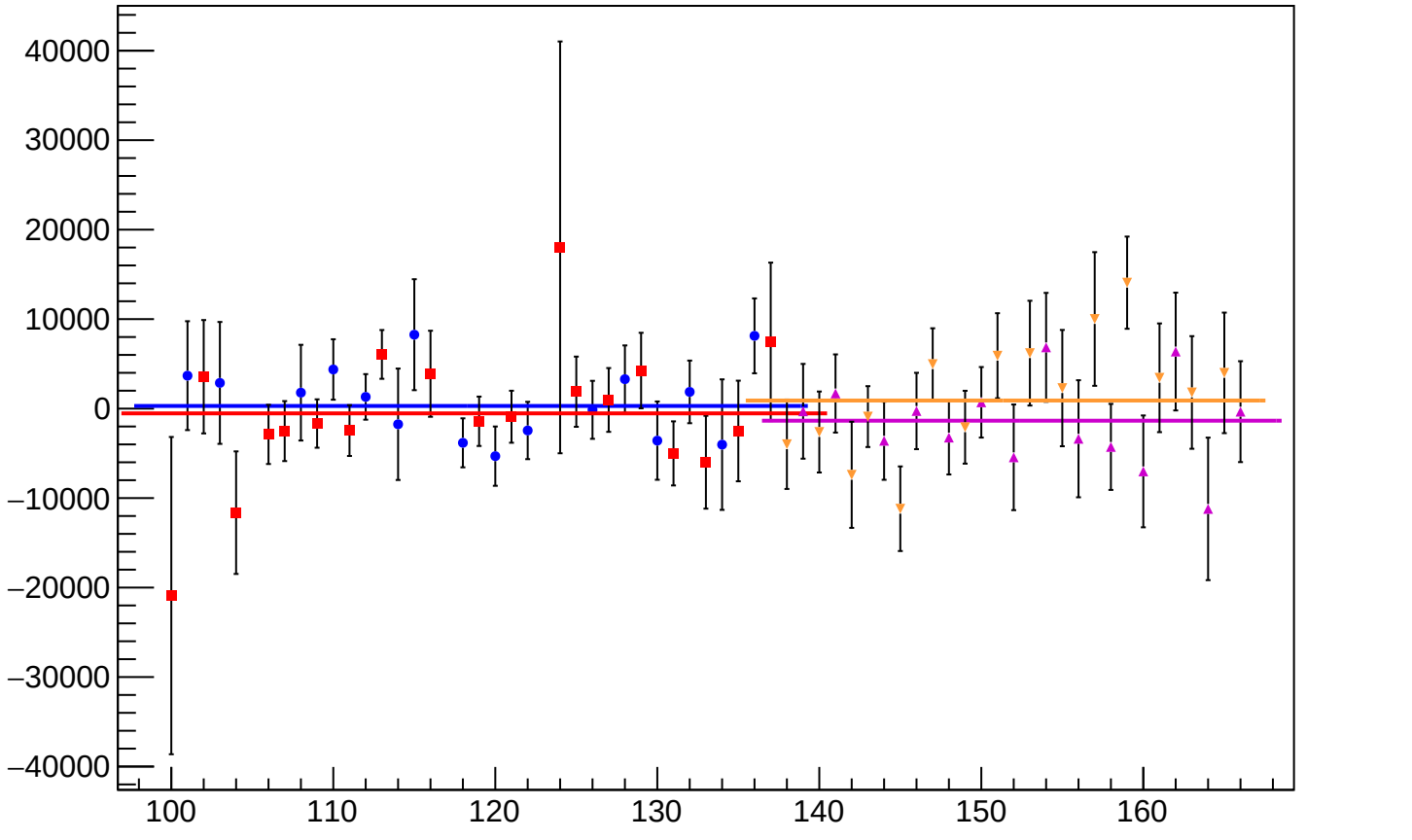
Left: 1796.005+/-0.268 χ^2/NDF: 45749.9/27

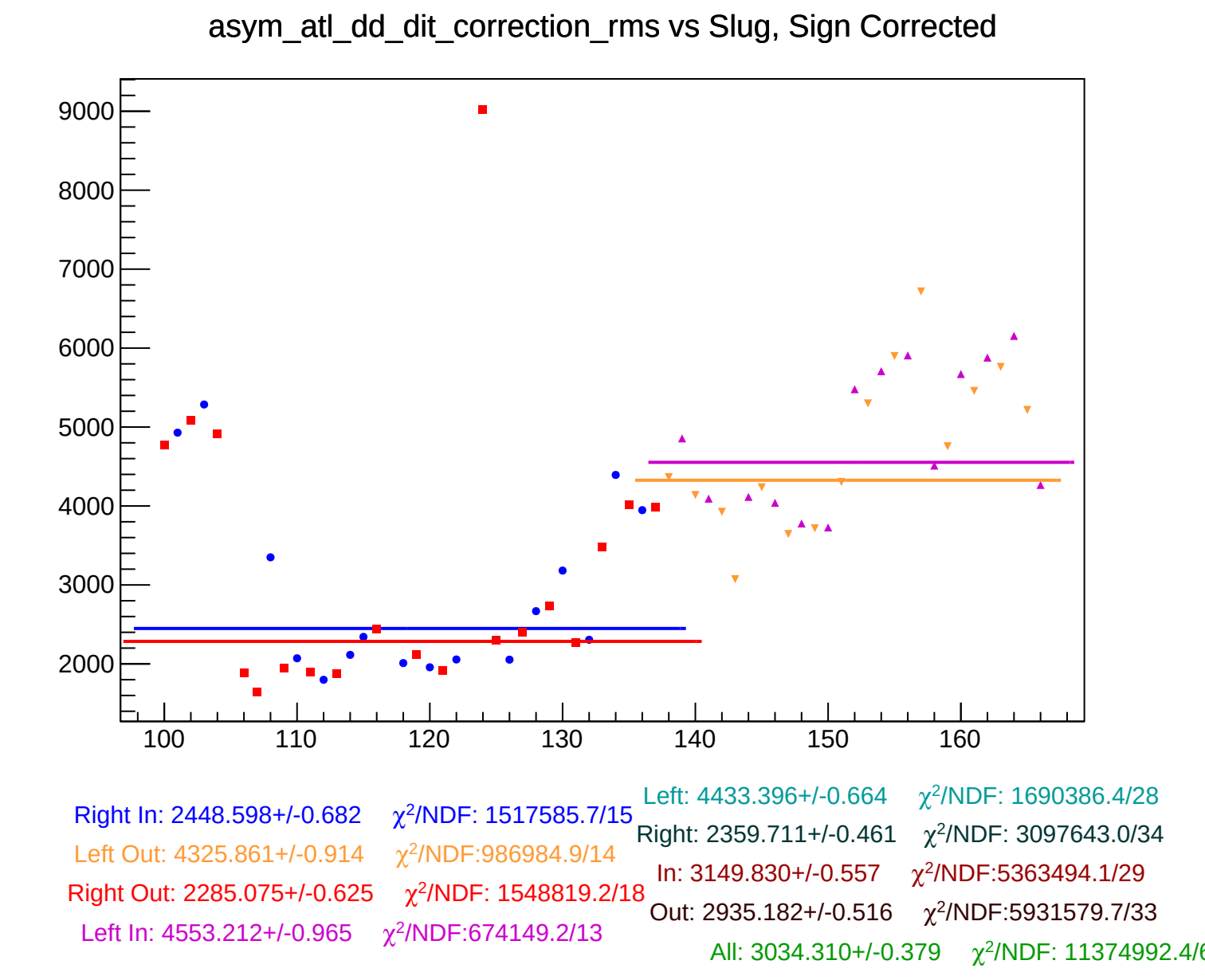
Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

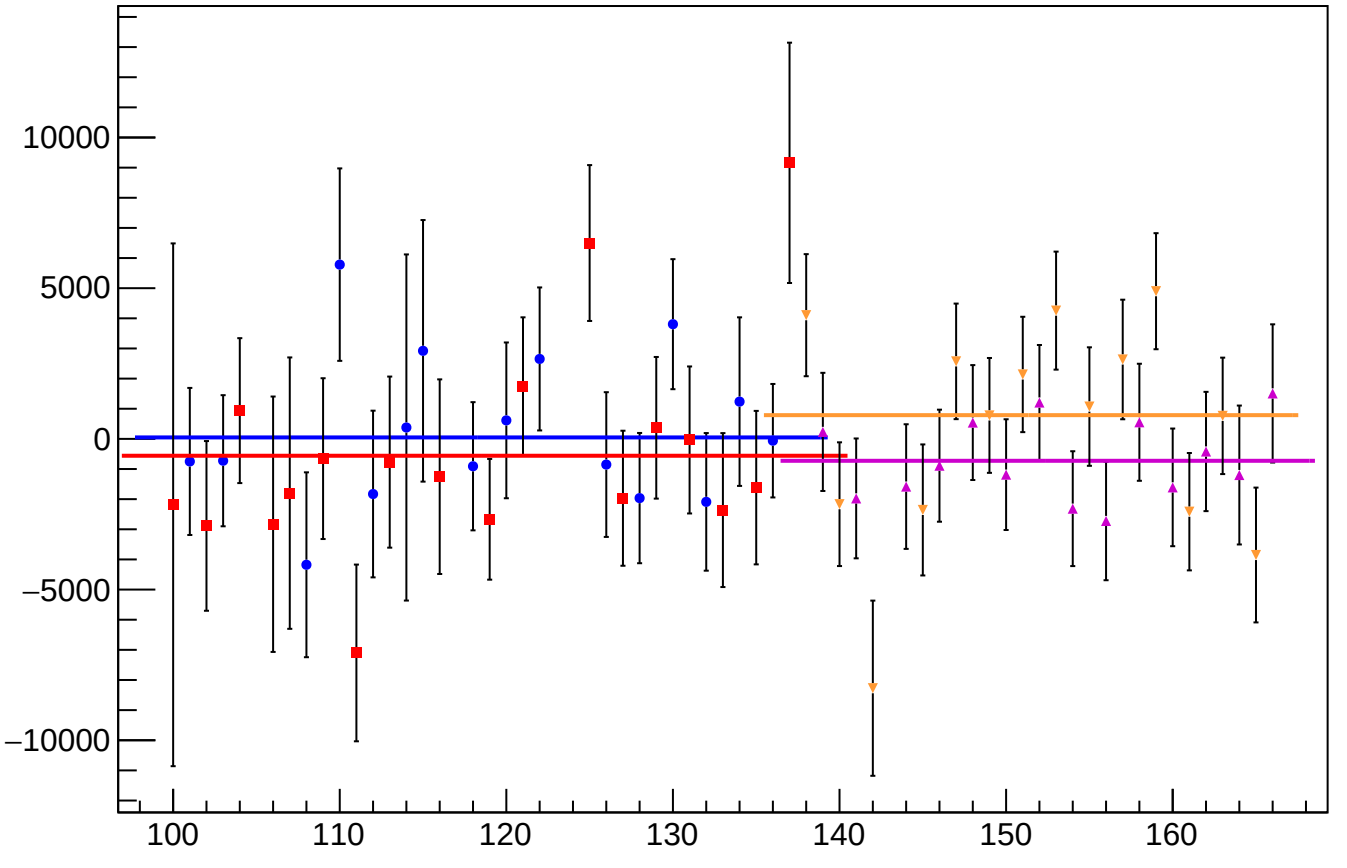
In: 1744.842+/-0.286 χ^2/NDF:206628.0/29

Out: 1763.833+/-0.293 χ^2/NDF:269354.4/31

All: 1754.091+/-0.205 χ^2/NDF: 478135.3/61


asym_atl_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 296.517+/-964.677 χ²/NDF: 15.3/15
Left Out: 904.410+/-1292.878 χ²/NDF:22.3/14
Right Out: -531.007+/-883.969 χ²/NDF: 18.8/18
Left In: -1350.676+/-1364.706 χ²/NDF:7.9/13
Left: -162.228+/-938.569 χ²/NDF: 31.6/28
Right: -153.305+/-651.728 χ²/NDF: 34.4/34
In: -252.308+/-787.741 χ²/NDF:24.1/29
Out: -73.744+/-729.712 χ²/NDF:41.9/33
All: -156.208+/-535.325 χ²/NDF: 66.0/63


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4325.861+/-0.914 χ²/NDF:986984.9/14
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4553.212+/-0.965 χ²/NDF:674149.2/13
Left: 4433.396+/-0.664 χ²/NDF: 1690386.4/28
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3149.830+/-0.557 χ²/NDF:5363494.1/29
Out: 2935.182+/-0.516 χ²/NDF:5931579.7/33
All: 3034.310+/-0.379 χ²/NDF: 11374992.4/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 787.205+/-541.814 χ^2/NDF:33.5/13

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -727.207+/-528.667 χ^2/NDF:5.7/13

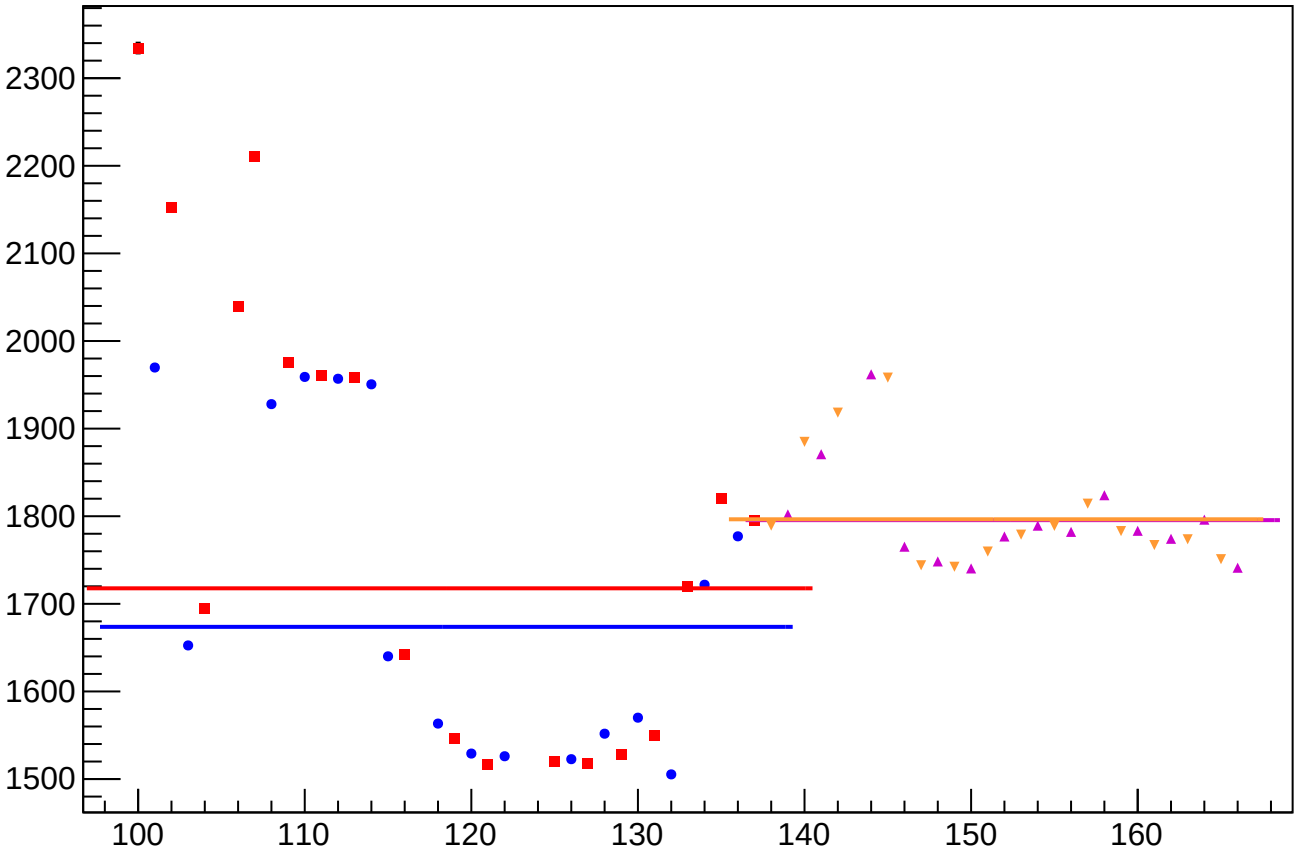
Left: 11.403+/-378.387 χ^2/NDF: 43.3/27

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -404.442+/-403.944 χ^2/NDF:19.4/29

Out: 230.314+/-414.943 χ^2/NDF:59.4/31

All: -95.588+/-289.442 χ^2/NDF: 80.0/61



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.499+/-0.383 χ^2/NDF:24180.0/13

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1795.538+/-0.374 χ^2/NDF:21567.4/13

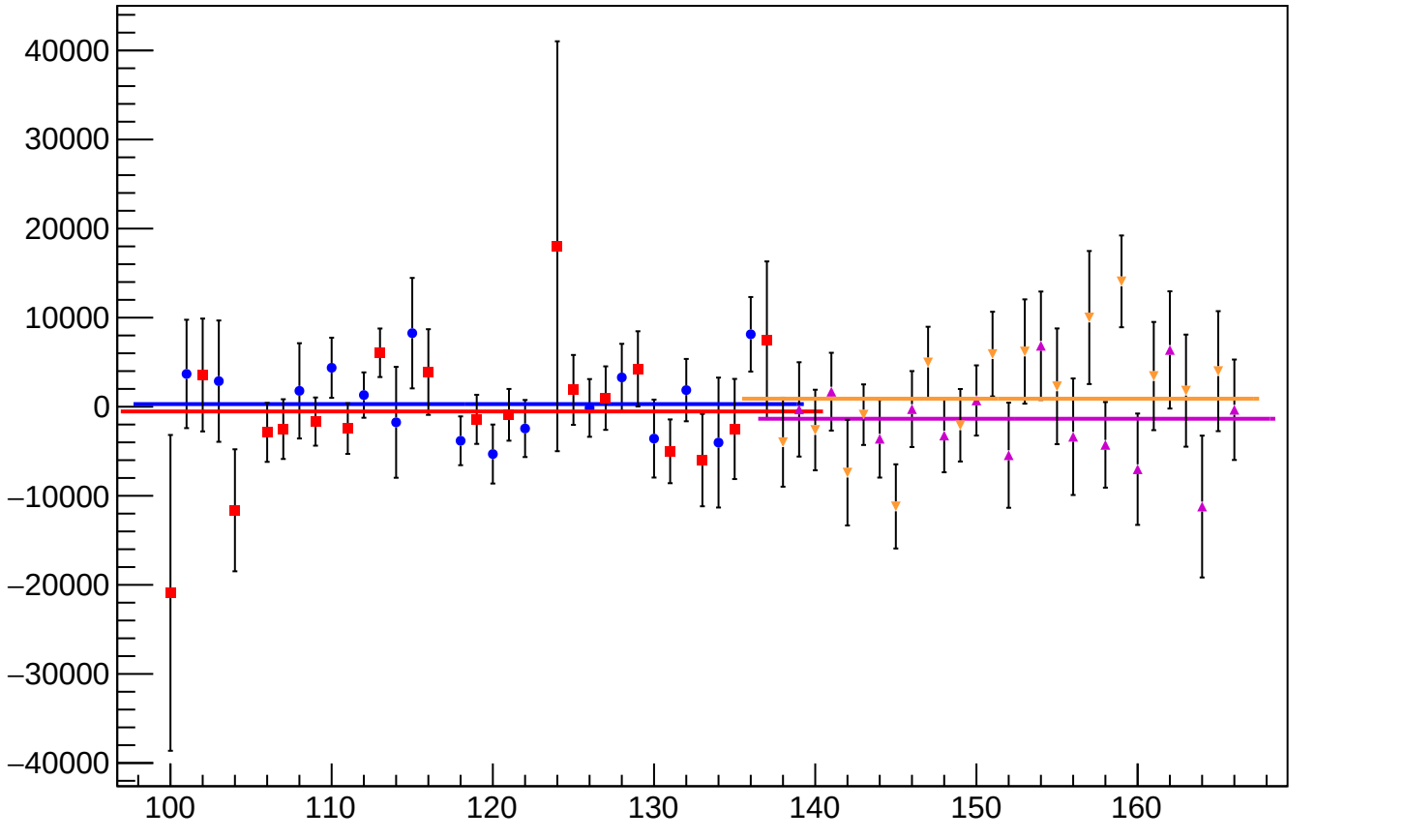
Left: 1796.006+/-0.268 χ^2/NDF: 45750.5/27

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1744.843+/-0.286 χ^2/NDF:206629.1/29

Out: 1763.833+/-0.293 χ^2/NDF:269354.6/31

All: 1754.092+/-0.205 χ^2/NDF: 478136.7/61



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 904.415+/-1292.880 χ^2/NDF:22.3/14

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1350.676+/-1364.707 χ^2/NDF:7.9/13

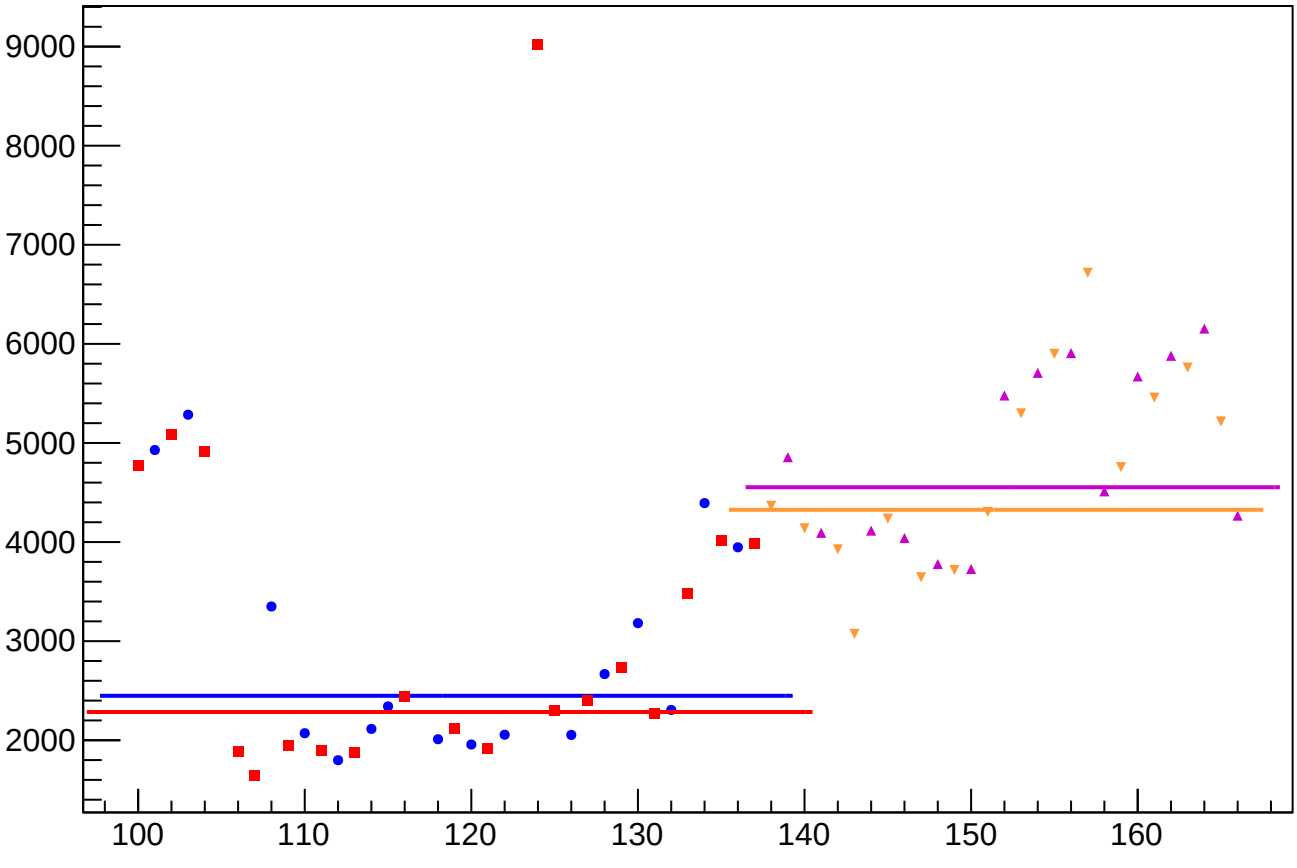
Left: -162.226+/-938.570 χ^2/NDF: 31.6/28

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -252.309+/-787.740 χ^2/NDF:24.1/29

Out: -73.747+/-729.711 χ^2/NDF:41.9/33

All: -156.209+/-535.324 χ^2/NDF: 66.0/63



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4325.866+/-0.914 χ^2/NDF:986989.4/14

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4553.217+/-0.965 χ^2/NDF:674151.8/13

Left: 4433.401+/-0.664 χ^2/NDF: 1690393.7/28

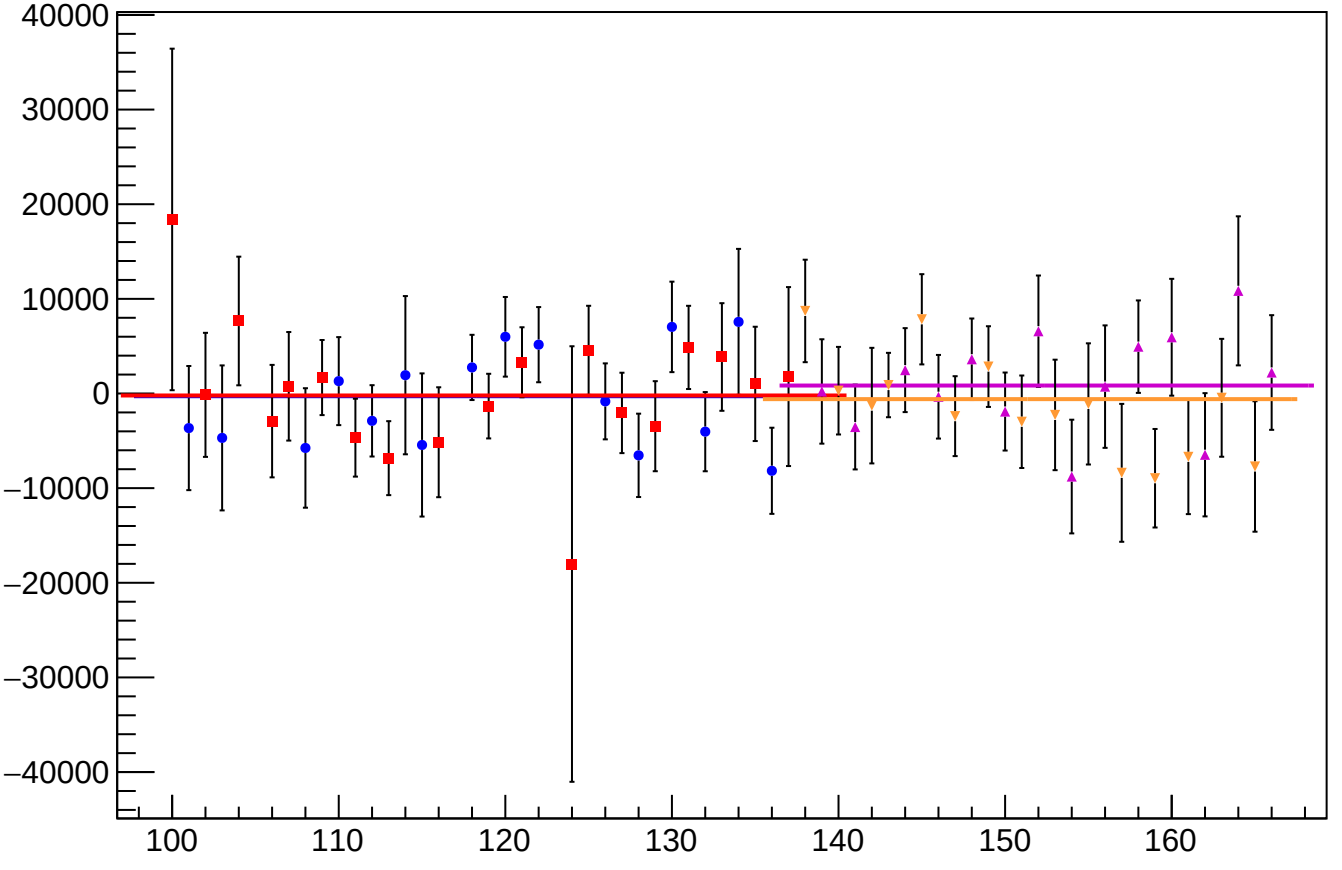
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3149.820+/-0.557 χ^2/NDF:5363561.8/29

Out: 2935.174+/-0.516 χ^2/NDF:5931639.1/33

All: 3034.301+/-0.379 χ^2/NDF: 11375118.7/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -595.153+/-1319.100 χ^2/NDF:13.3/14

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 841.179+/-1396.068 χ^2/NDF:9.9/13

Left: 82.330+/-958.800 χ^2/NDF: 23.7/28

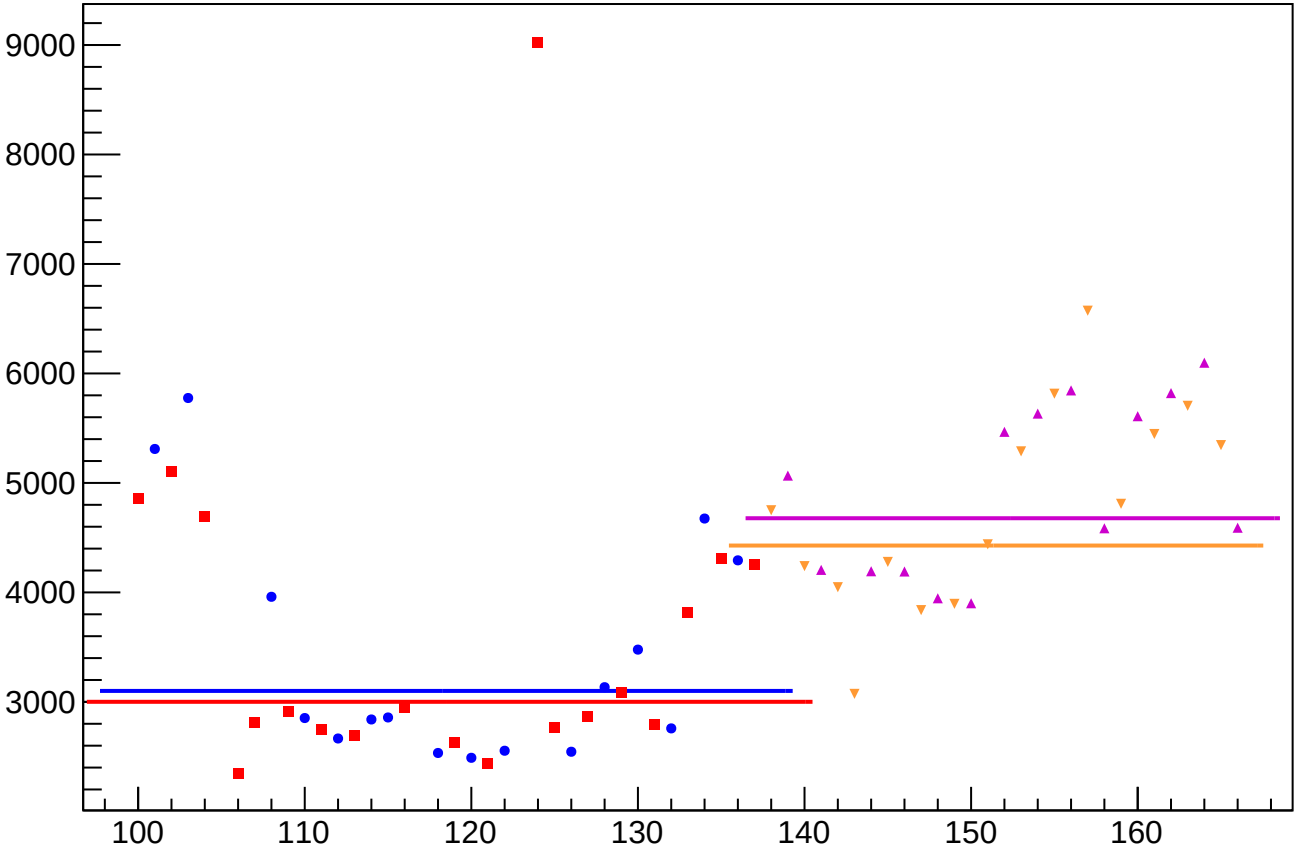
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 190.985+/-908.859 χ^2/NDF:26.8/29

Out: -376.637+/-868.433 χ^2/NDF:26.2/33

All: -105.731+/-627.880 χ^2/NDF: 53.2/63

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4428.037+/-0.933 χ^2/NDF:905274.9/14

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4677.471+/-0.987 χ^2/NDF:534017.2/13

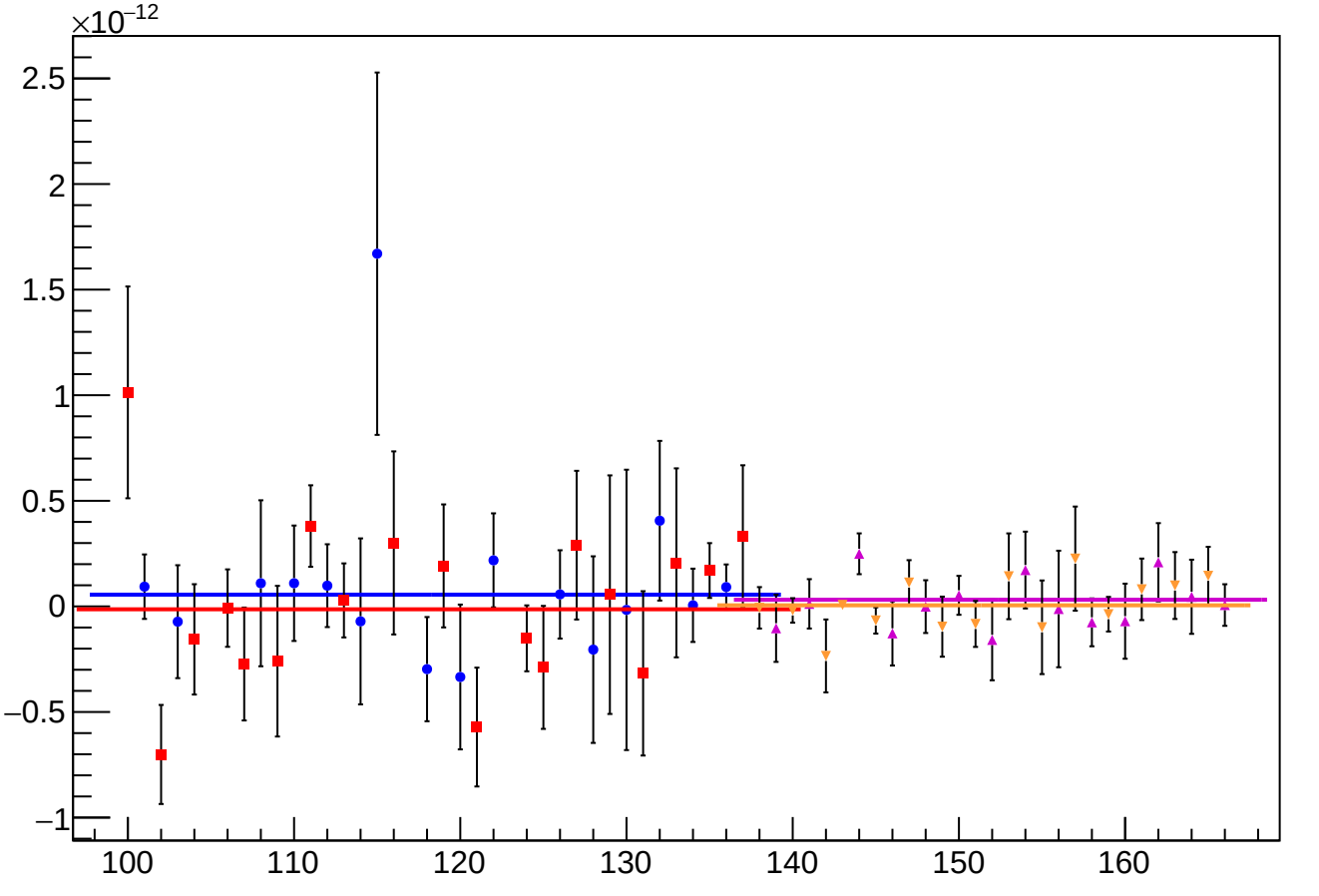
Left: 4545.689+/-0.678 χ^2/NDF: 1473023.4/28

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3768.639+/-0.643 χ^2/NDF:2968730.0/29

Out: 3609.867+/-0.609 χ^2/NDF:3054113.6/33

All: 3685.030+/-0.442 χ^2/NDF: 6054984.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

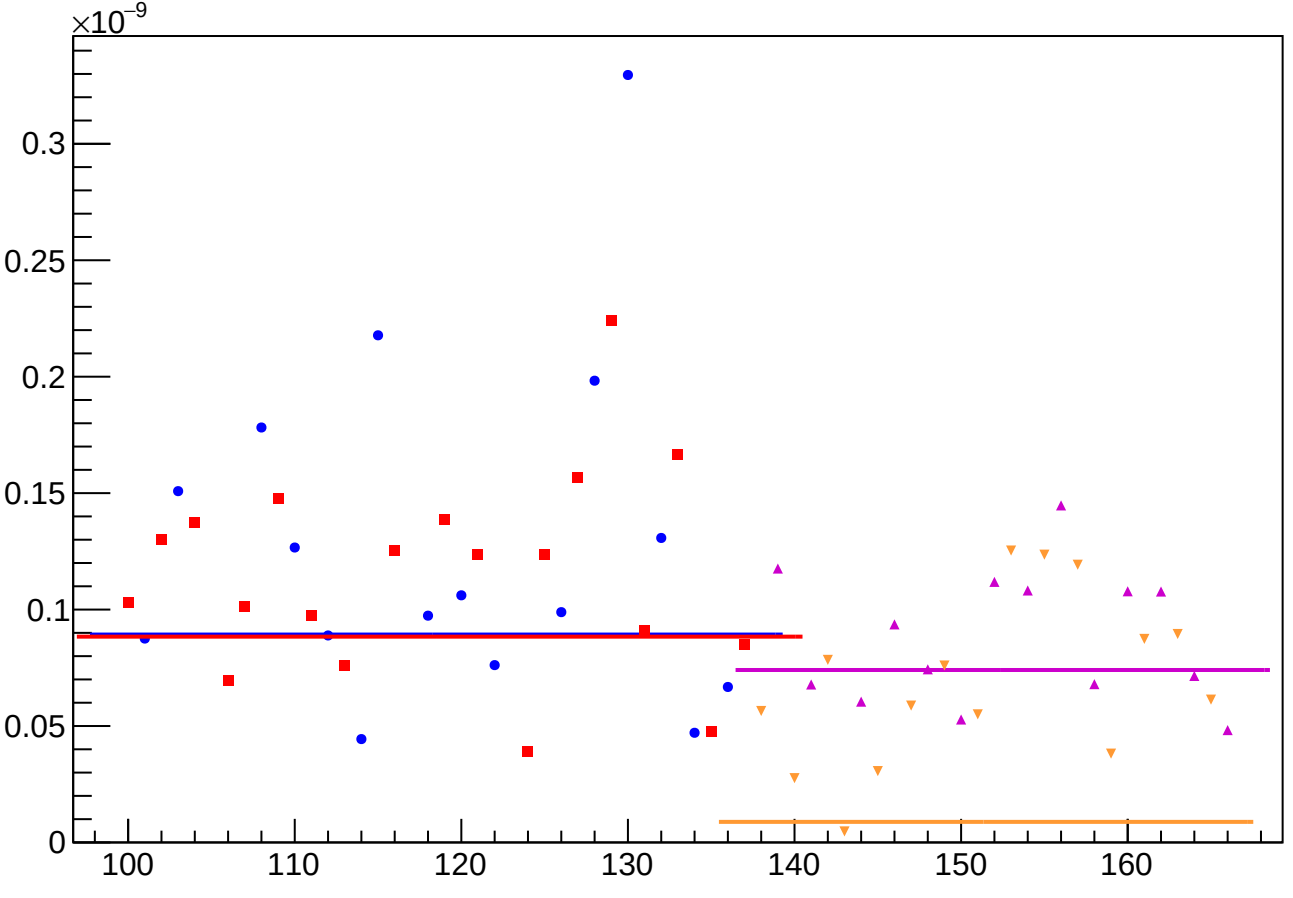
Left: 0.000+/-0.000 χ^2/NDF: 20.5/28

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:20.3/29

Out: 0.000+/-0.000 χ^2/NDF:39.2/33

All: 0.000+/-0.000 χ^2/NDF: 60.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6164808.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:896464.6/13

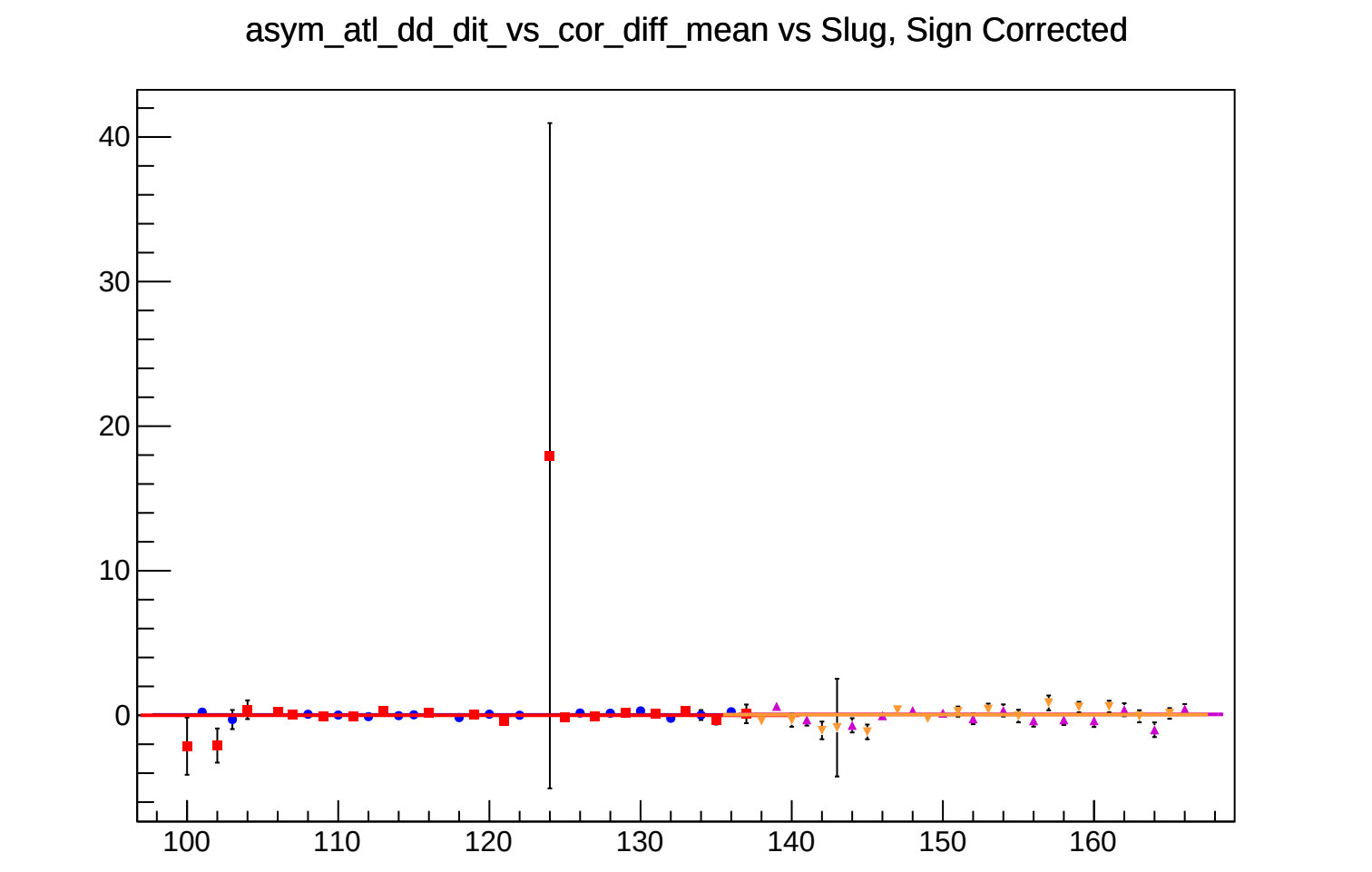
Left: 0.000+/-0.000 χ^2/NDF: 13412922.5/28

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1949949.4/29

Out: 0.000+/-0.000 χ^2/NDF:11153945.4/33

All: 0.000+/-0.000 χ^2/NDF: 22486703.0/63



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

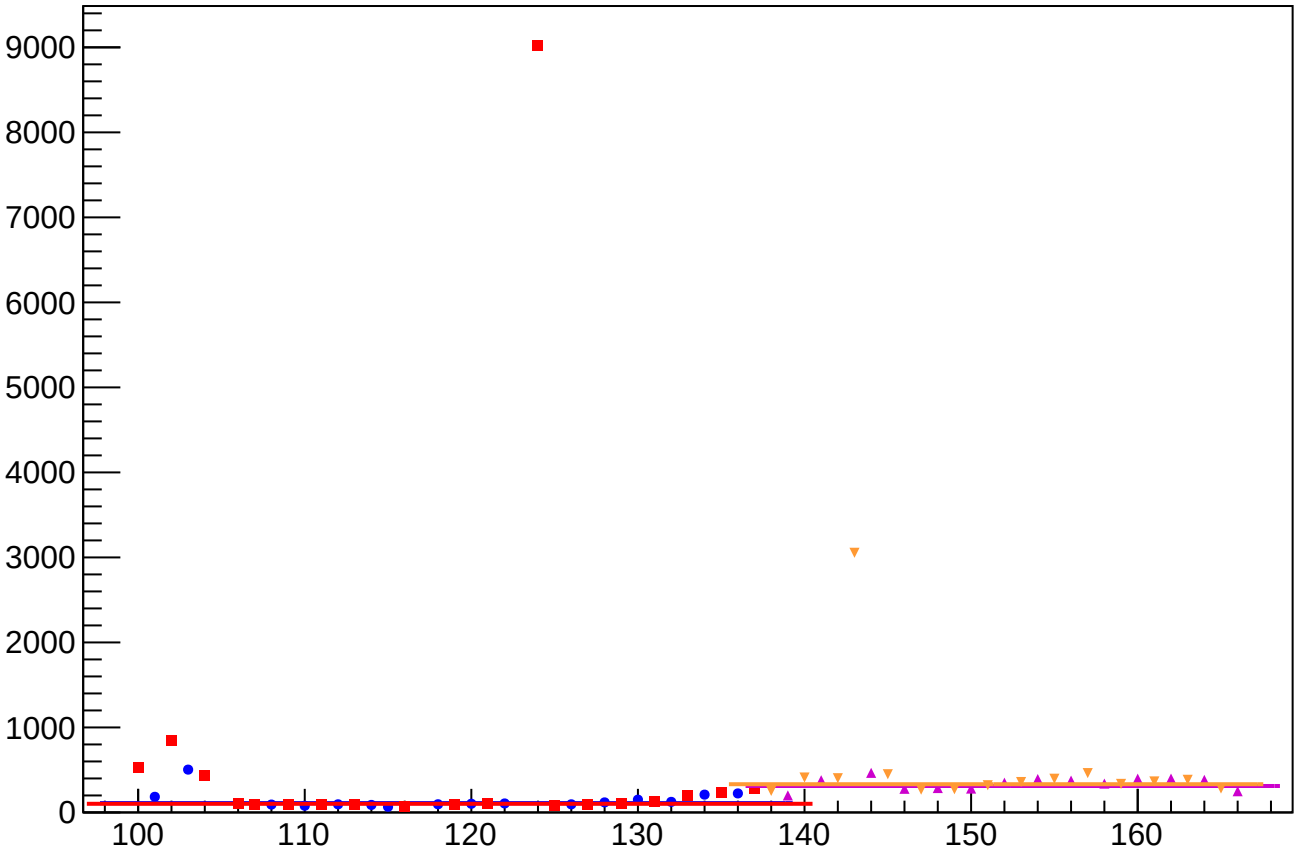
Left: 0.058+/-0.070 χ^2/NDF: 41.6/28

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.022+/-0.029 χ^2/NDF: 73.4/63



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 332.185+/-0.072 χ^2/NDF:2072522.0/14

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 311.293+/-0.067 χ^2/NDF:1180639.0/13

Left: 321.035+/-0.049 χ^2/NDF: 3297886.6/28

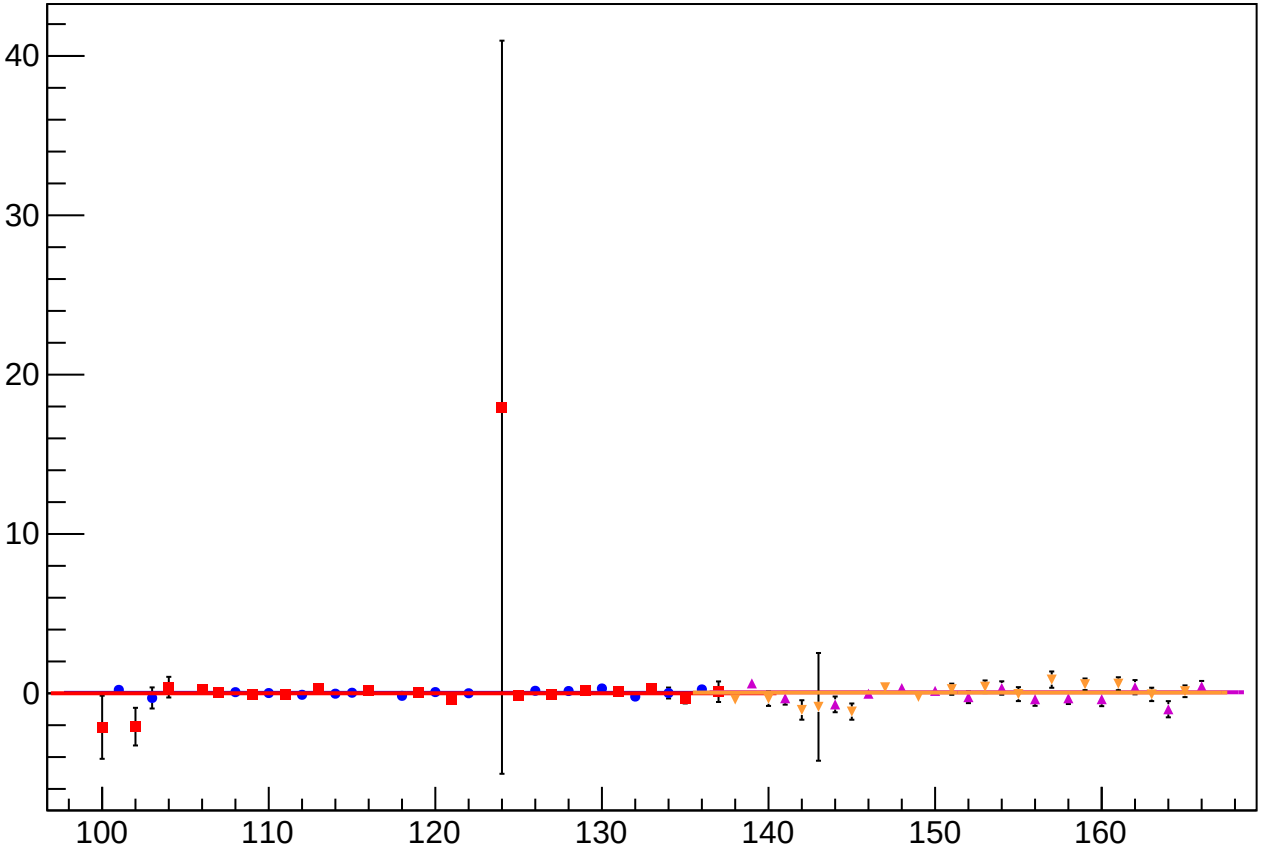
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 147.024+/-0.029 χ^2/NDF:10377245.6/29

Out: 137.082+/-0.028 χ^2/NDF:13290147.3/33

All: 141.930+/-0.020 χ^2/NDF: 23727884.1/63

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

Left: 0.058+/-0.070 χ^2/NDF: 41.6/28

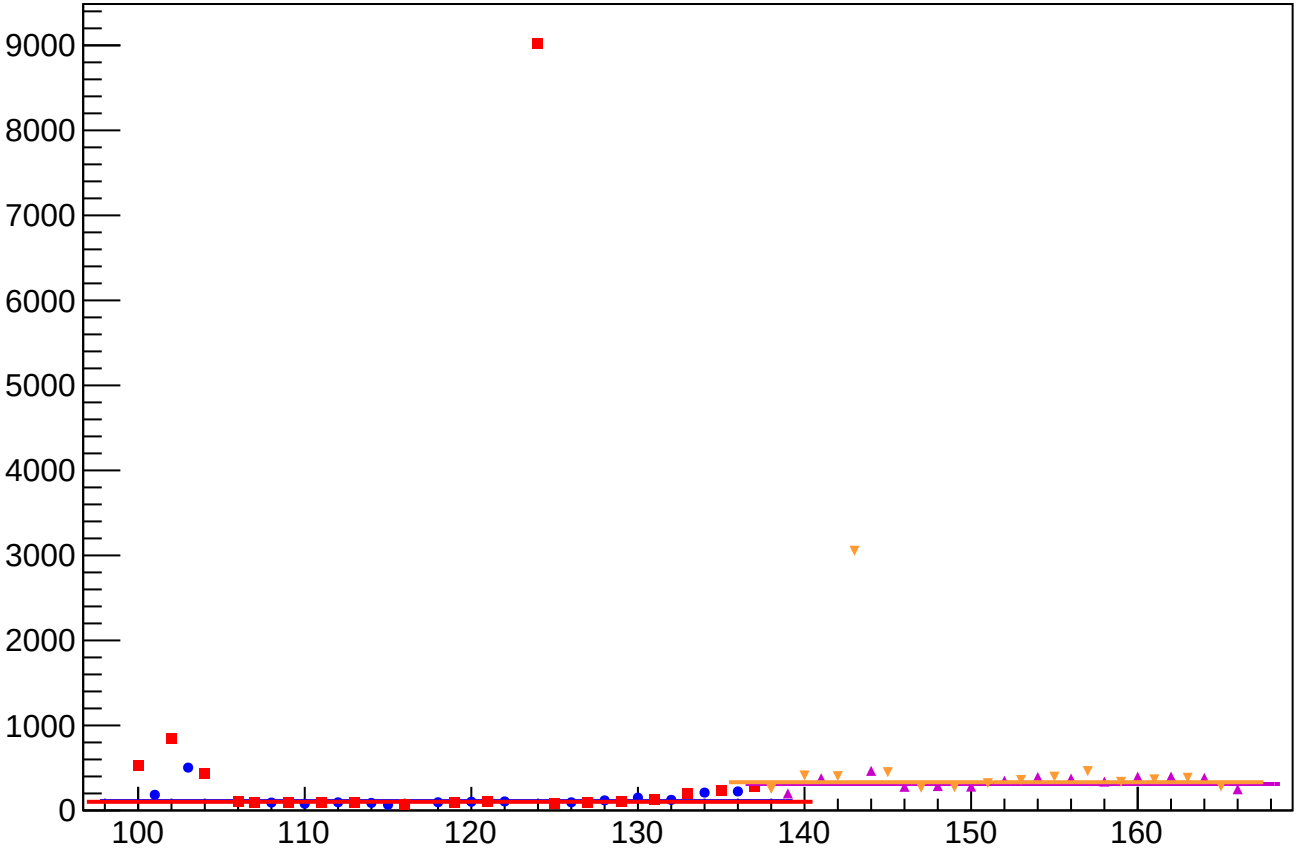
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.022+/-0.029 χ^2/NDF: 73.4/63

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 332.185+/-0.072 χ^2/NDF:2072522.0/14

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 311.293+/-0.067 χ^2/NDF:1180639.0/13

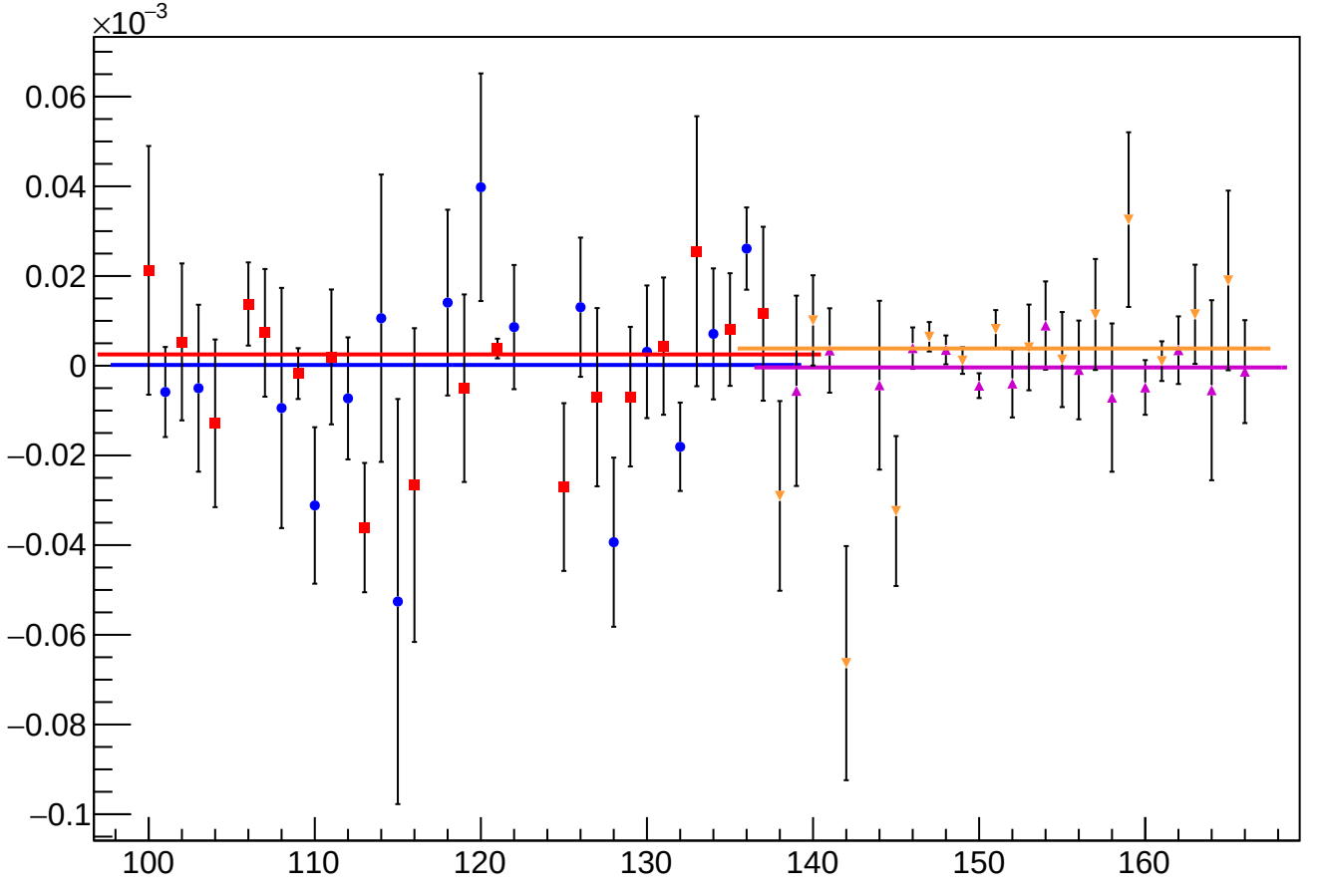
Left: 321.035+/-0.049 χ^2/NDF: 3297886.6/28

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 147.024+/-0.029 χ^2/NDF:10377245.6/29

Out: 137.082+/-0.028 χ^2/NDF:13290147.3/33

All: 141.930+/-0.020 χ^2/NDF: 23727884.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/13

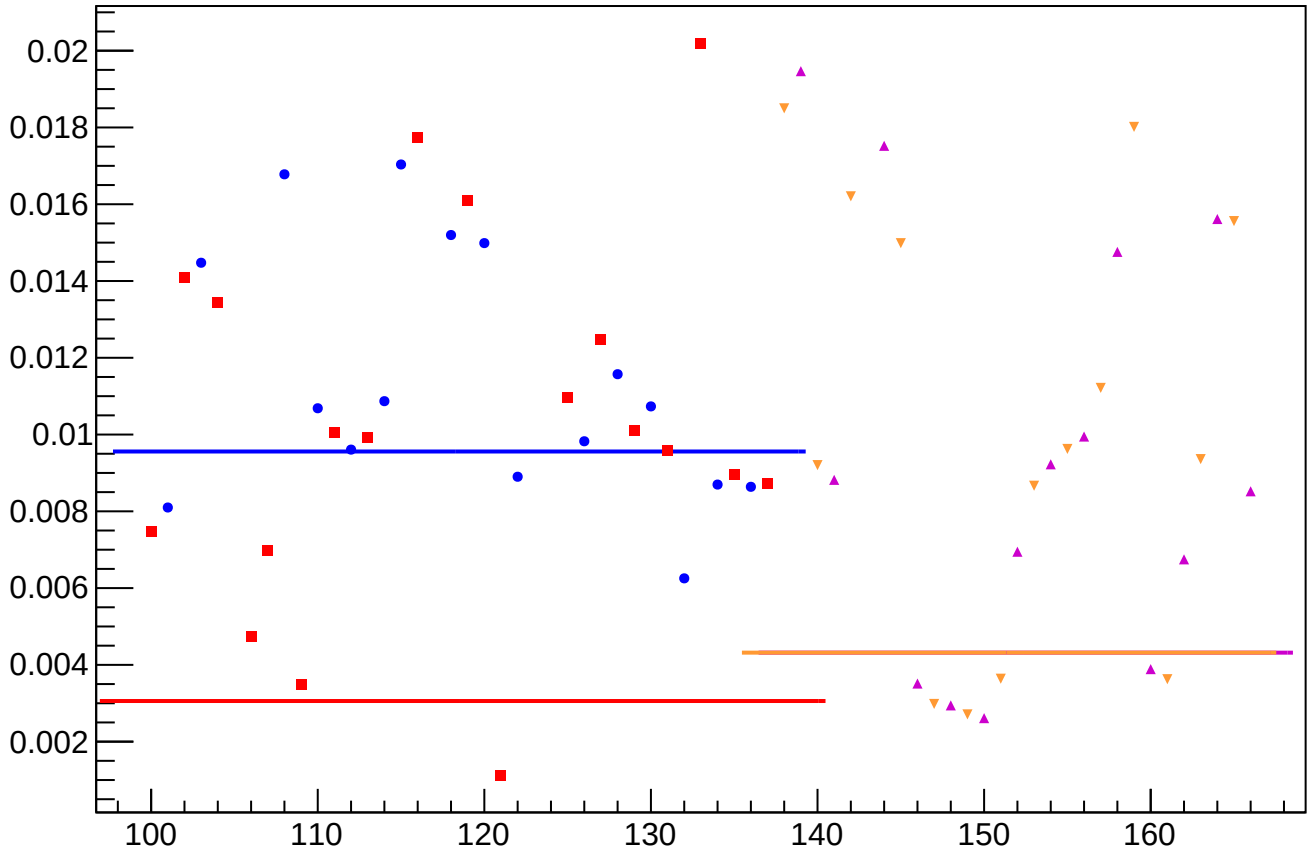
Left: 0.000+/-0.000 χ^2/NDF: 31.6/27

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.6/29

Out: 0.000+/-0.000 χ^2/NDF:37.4/31

All: 0.000+/-0.000 χ^2/NDF: 73.4/61



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:7192653.3/13

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:6832517.3/13

Left: 0.004+/-0.000 χ^2/NDF: 14025170.7/27

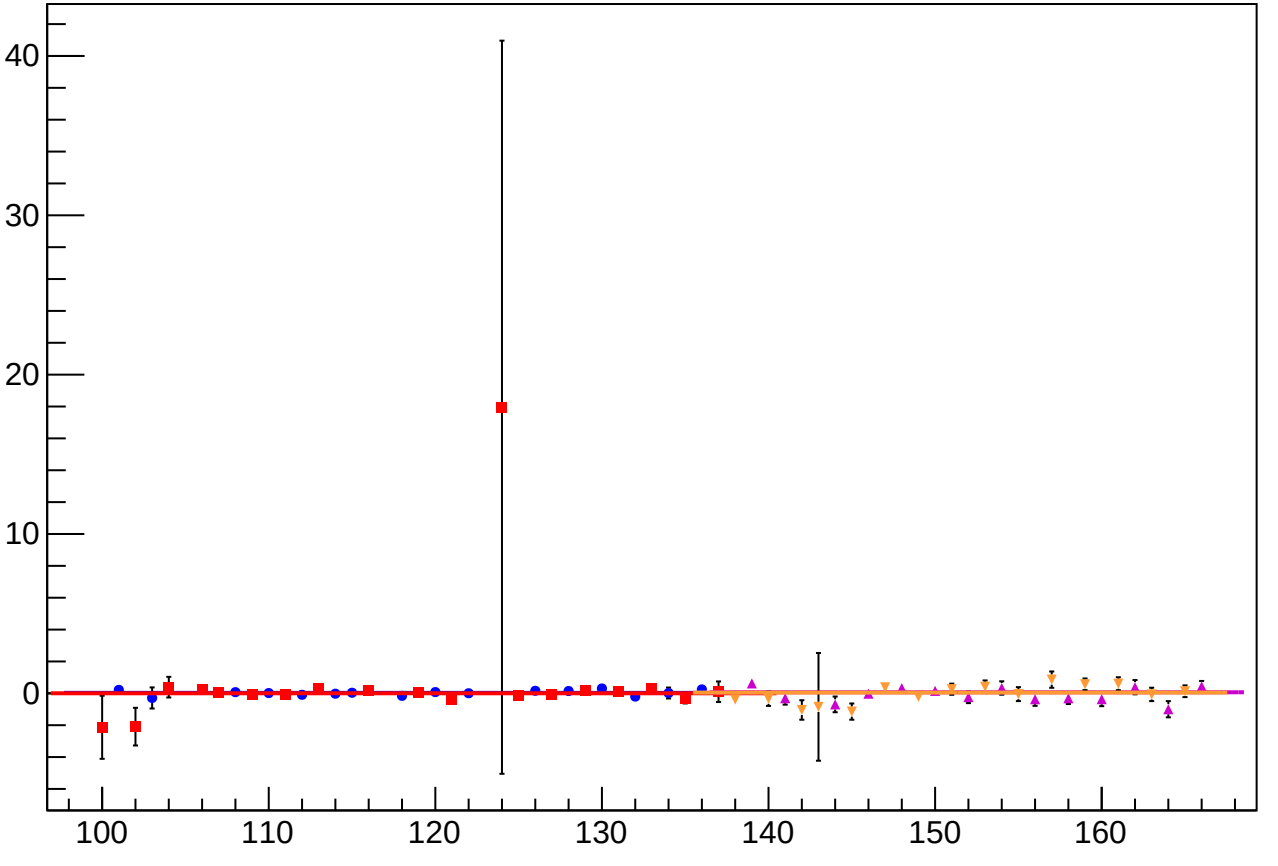
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:11085610.4/29

Out: 0.004+/-0.000 χ^2/NDF:15841051.0/31

All: 0.004+/-0.000 χ^2/NDF: 27969881.2/61

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

Left: 0.058+/-0.070 χ^2/NDF: 41.6/28

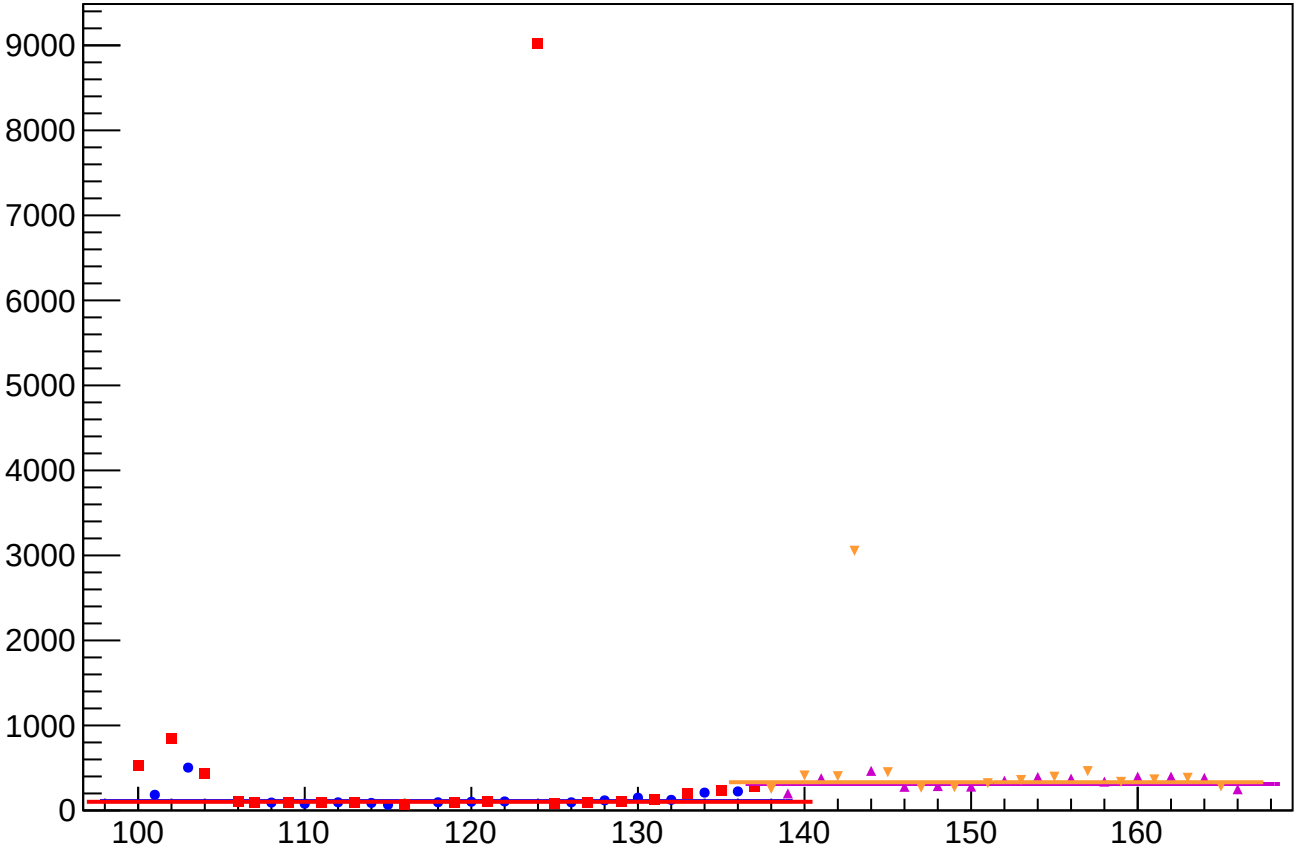
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.022+/-0.029 χ^2/NDF: 73.4/63

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 332.189+/-0.072 χ^2/NDF:2072558.1/14

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 311.297+/-0.067 χ^2/NDF:1180628.8/13

Left: 321.039+/-0.049 χ^2/NDF: 3297909.5/28

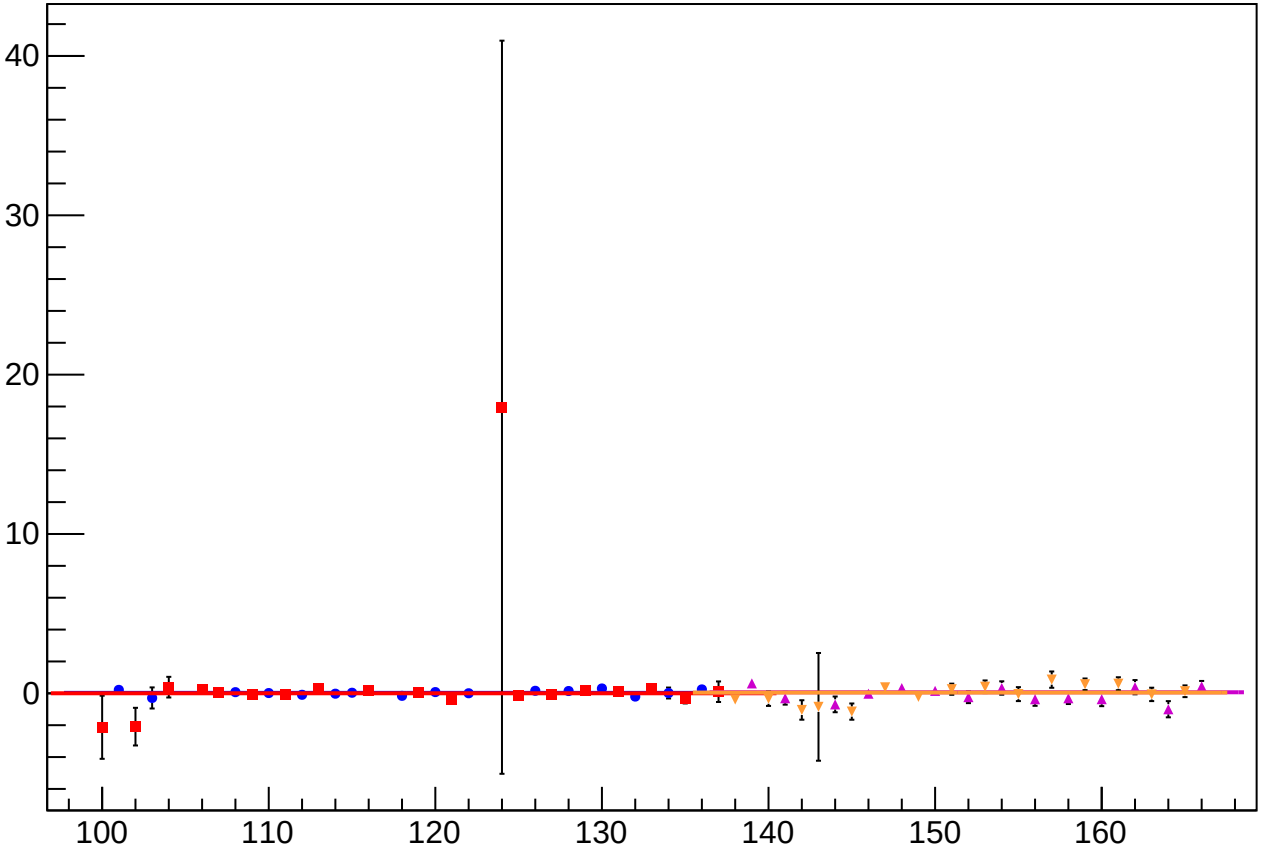
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 147.025+/-0.029 χ^2/NDF:10377234.3/29

Out: 137.084+/-0.028 χ^2/NDF:13290093.8/33

All: 141.931+/-0.020 χ^2/NDF: 23727813.6/63

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.066+/-0.095 χ^2/NDF:20.1/13

Left: 0.058+/-0.070 χ^2/NDF: 41.6/28

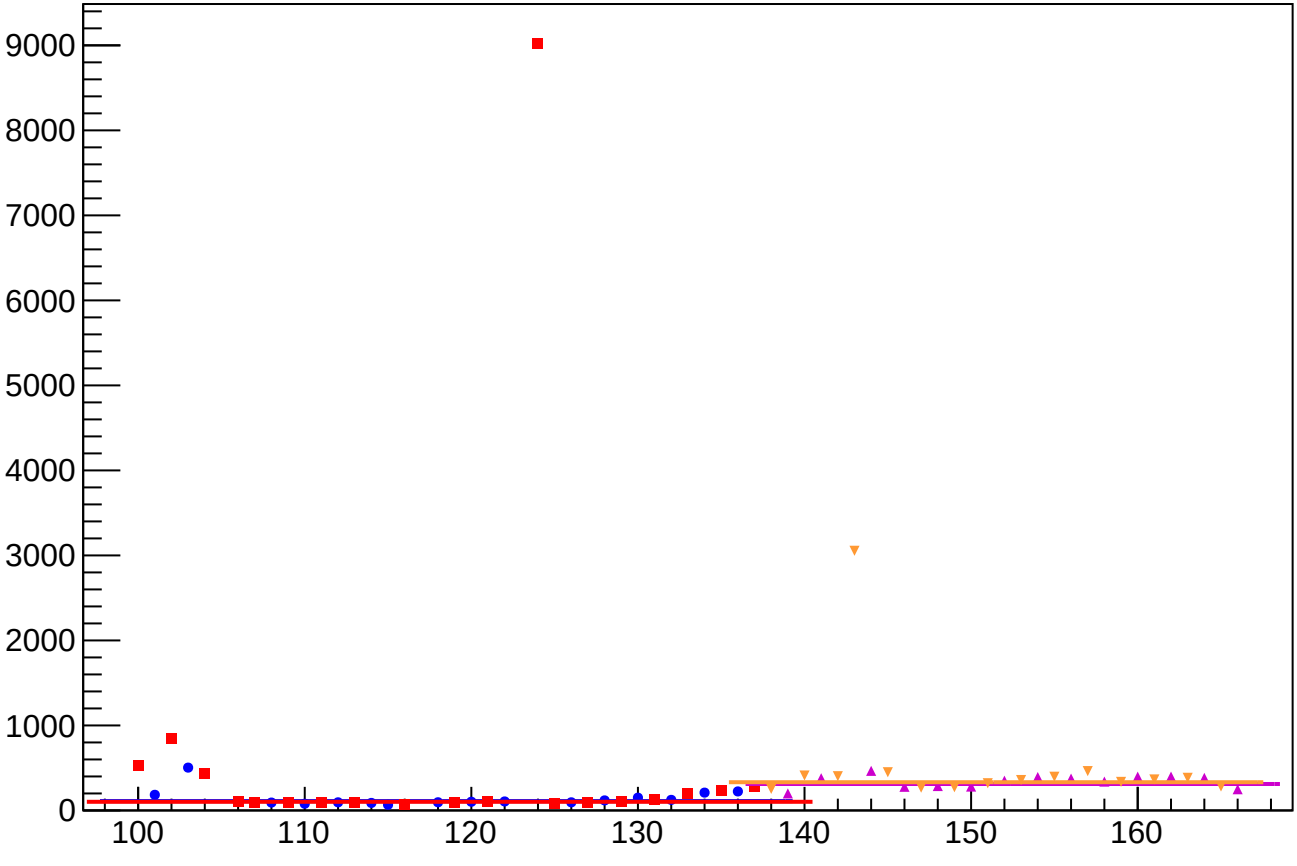
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.035+/-0.041 χ^2/NDF:29.1/29

Out: 0.010+/-0.040 χ^2/NDF:44.1/33

All: 0.022+/-0.029 χ^2/NDF: 73.4/63

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 332.189+/-0.072 χ^2/NDF:2072558.1/14

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 311.297+/-0.067 χ^2/NDF:1180628.8/13

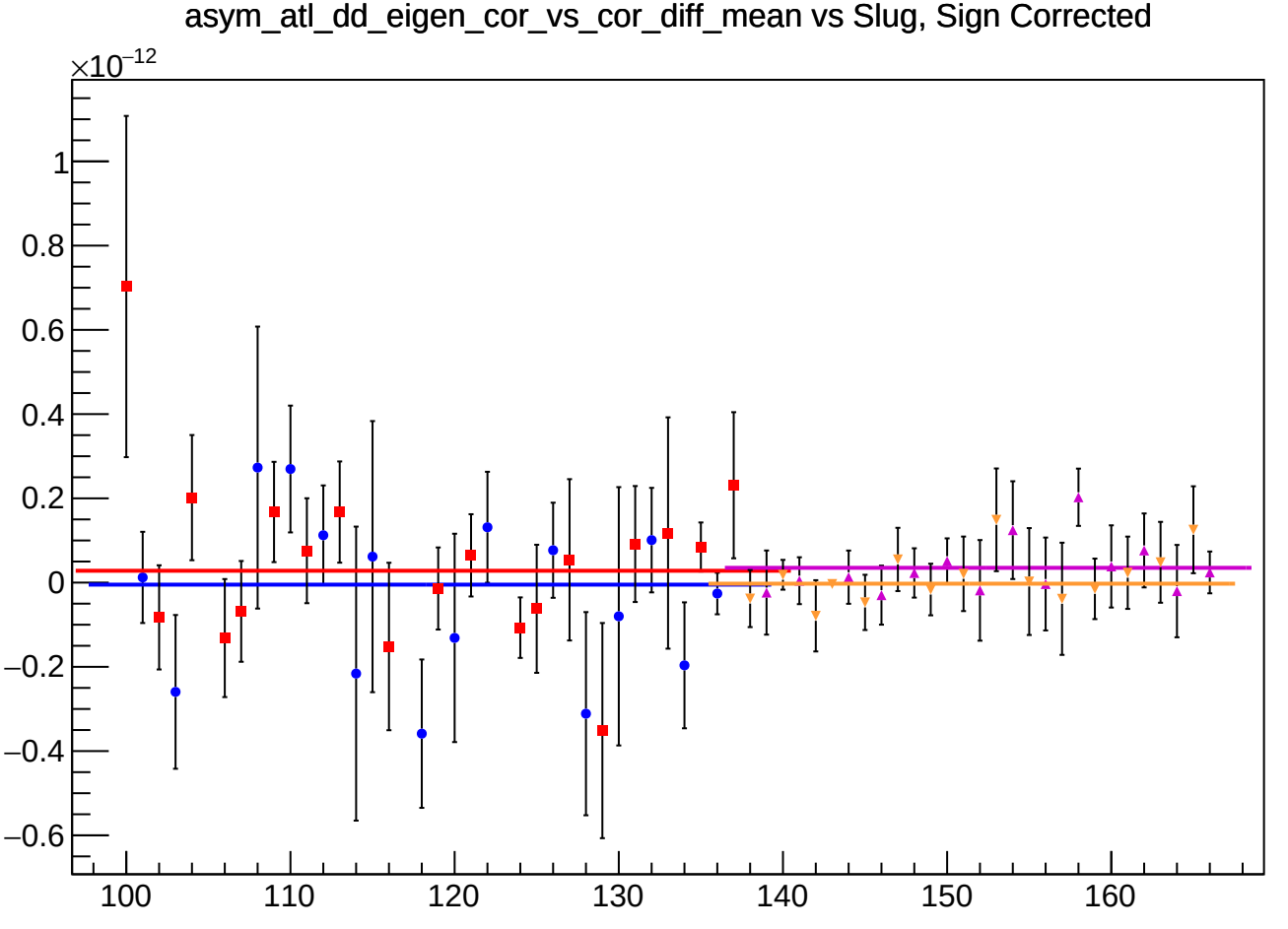
Left: 321.039+/-0.049 χ^2/NDF: 3297909.5/28

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 147.025+/-0.029 χ^2/NDF:10377234.3/29

Out: 137.084+/-0.028 χ^2/NDF:13290093.8/33

All: 141.931+/-0.020 χ^2/NDF: 23727813.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/13

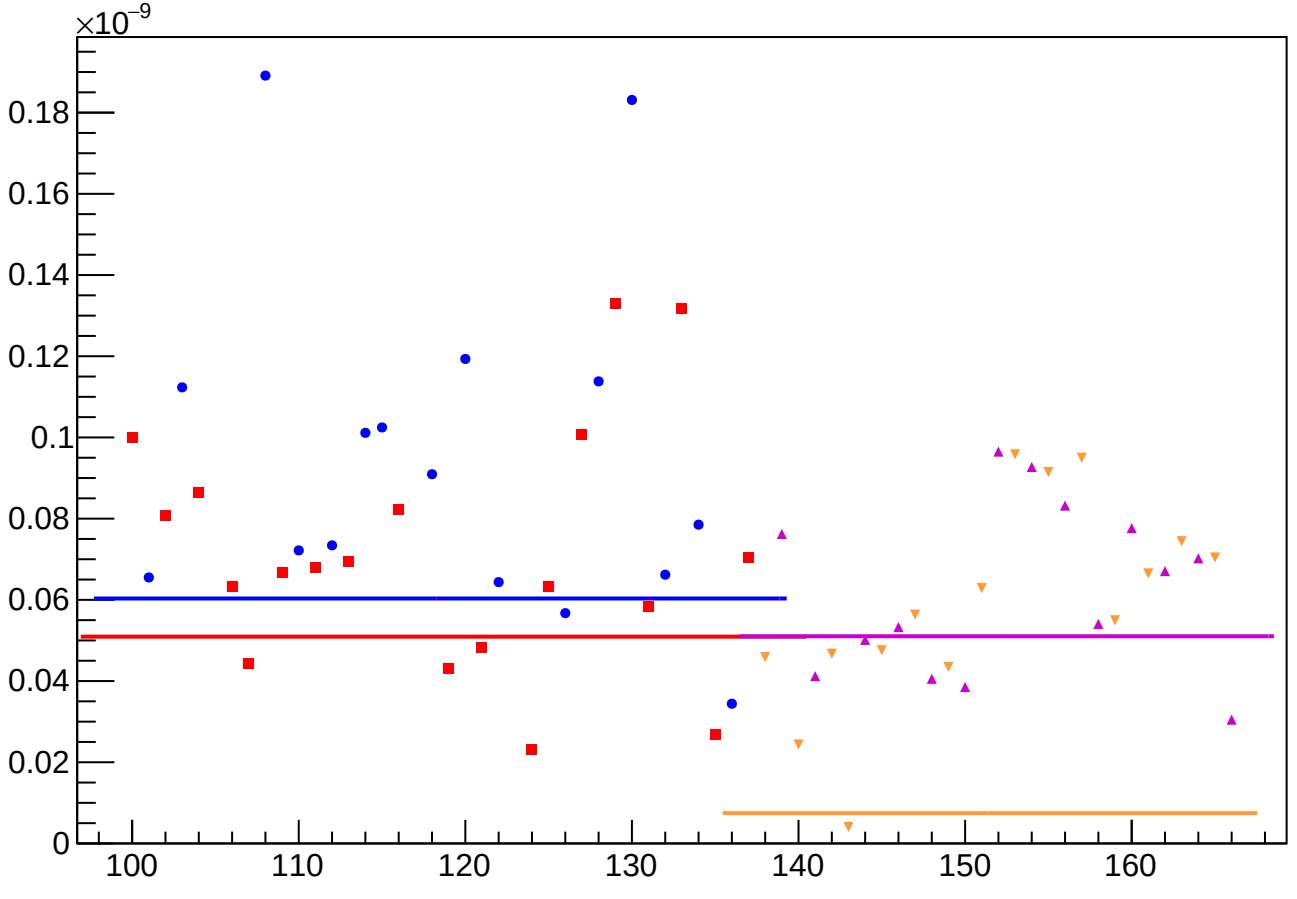
Left: 0.000+/-0.000 χ^2/NDF: 19.0/28

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: -0.000+/-0.000 χ^2/NDF:27.1/33

All: 0.000+/-0.000 χ^2/NDF: 57.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11678709.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1704986.4/13

Left: 0.000+/-0.000 χ^2/NDF: 22814886.2/28

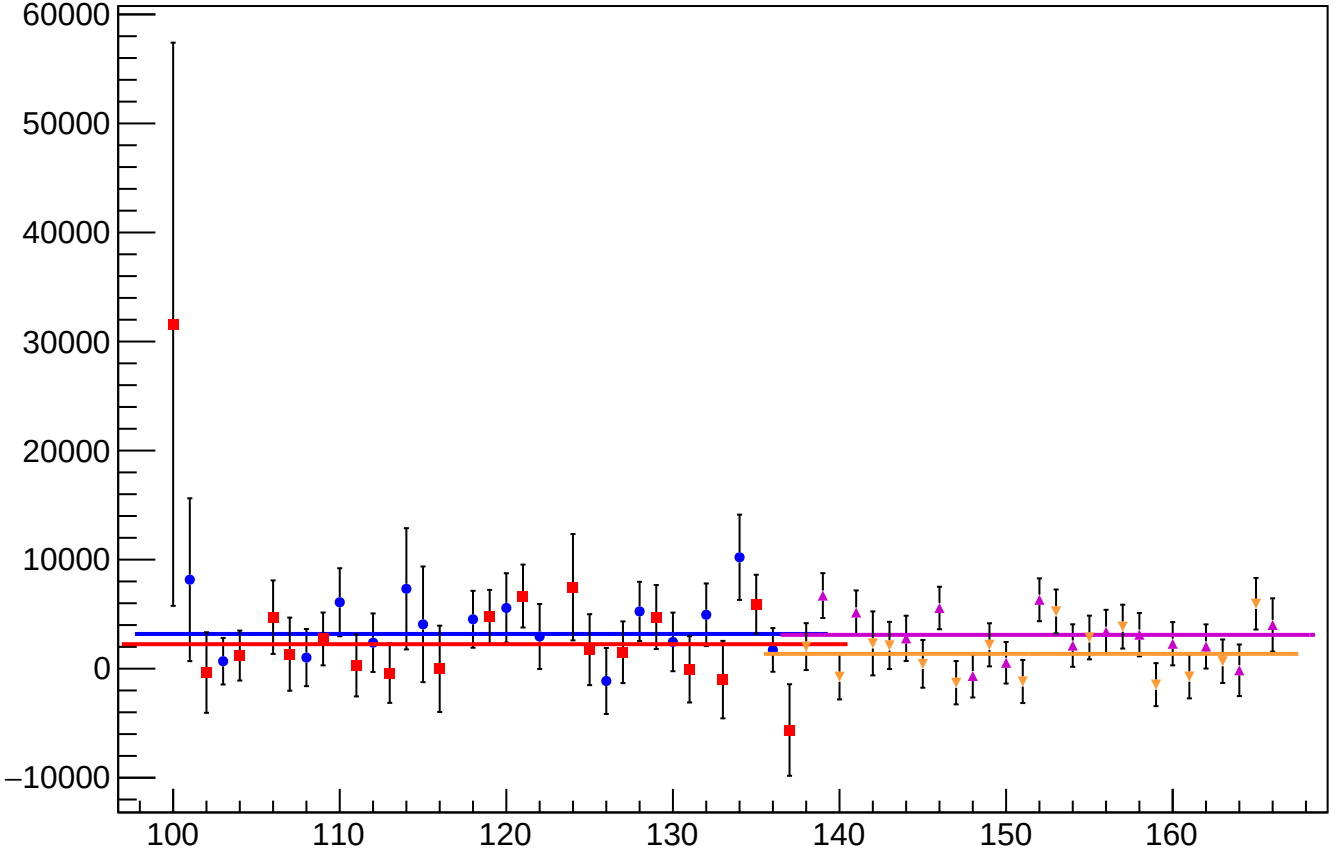
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3576338.4/29

Out: 0.000+/-0.000 χ^2/NDF:18259275.5/33

All: 0.000+/-0.000 χ^2/NDF: 34979143.3/63

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.893+/-539.672 χ^2/NDF:18.0/14

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3100.508+/-544.212 χ^2/NDF:16.6/13

Left: 2221.397+/-383.201 χ^2/NDF: 39.8/28

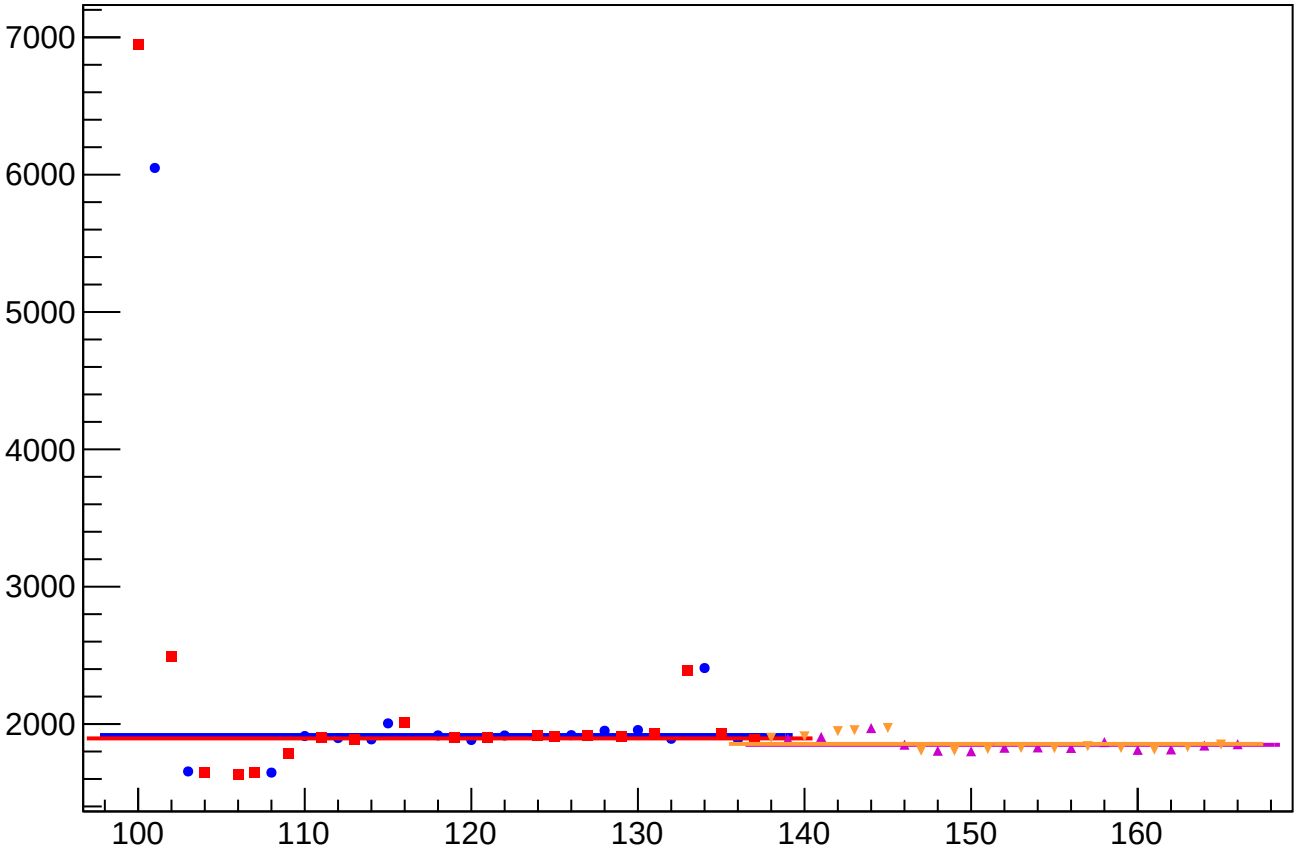
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3130.169+/-436.552 χ^2/NDF:28.3/29

Out: 1681.964+/-429.847 χ^2/NDF:35.5/33

All: 2394.859+/-306.291 χ^2/NDF: 69.4/63

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.785+/-0.385 χ^2/NDF:13717.4/13

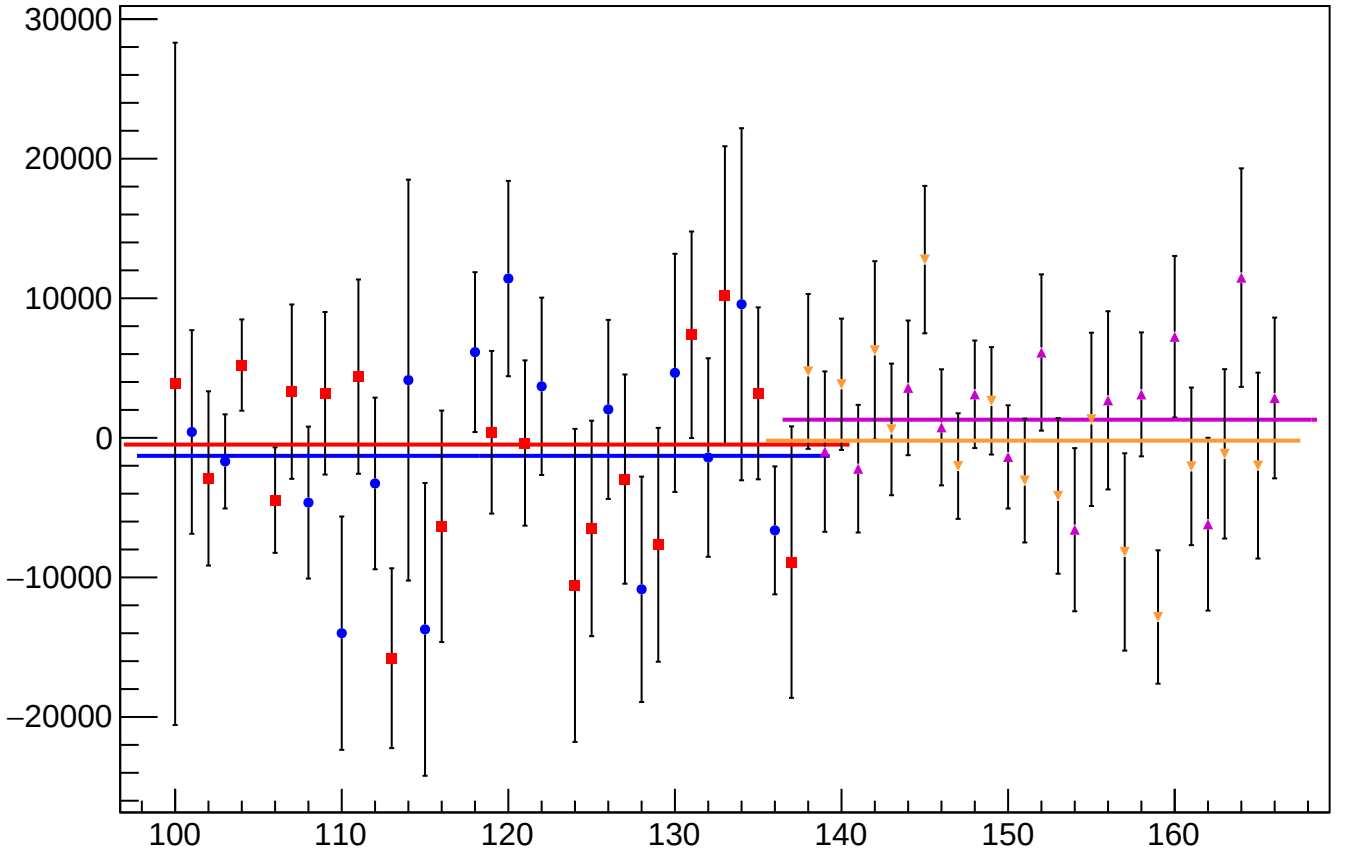
Left: 1852.064+/-0.271 χ^2/NDF: 33728.3/28

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1874.113+/-0.309 χ^2/NDF:723199.7/29

Out: 1870.003+/-0.304 χ^2/NDF:246190.2/33

All: 1872.024+/-0.216 χ^2/NDF: 969480.0/63



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -203.873+/-1319.594 χ^2/NDF:18.9/14

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1301.045+/-1338.368 χ^2/NDF:8.8/13

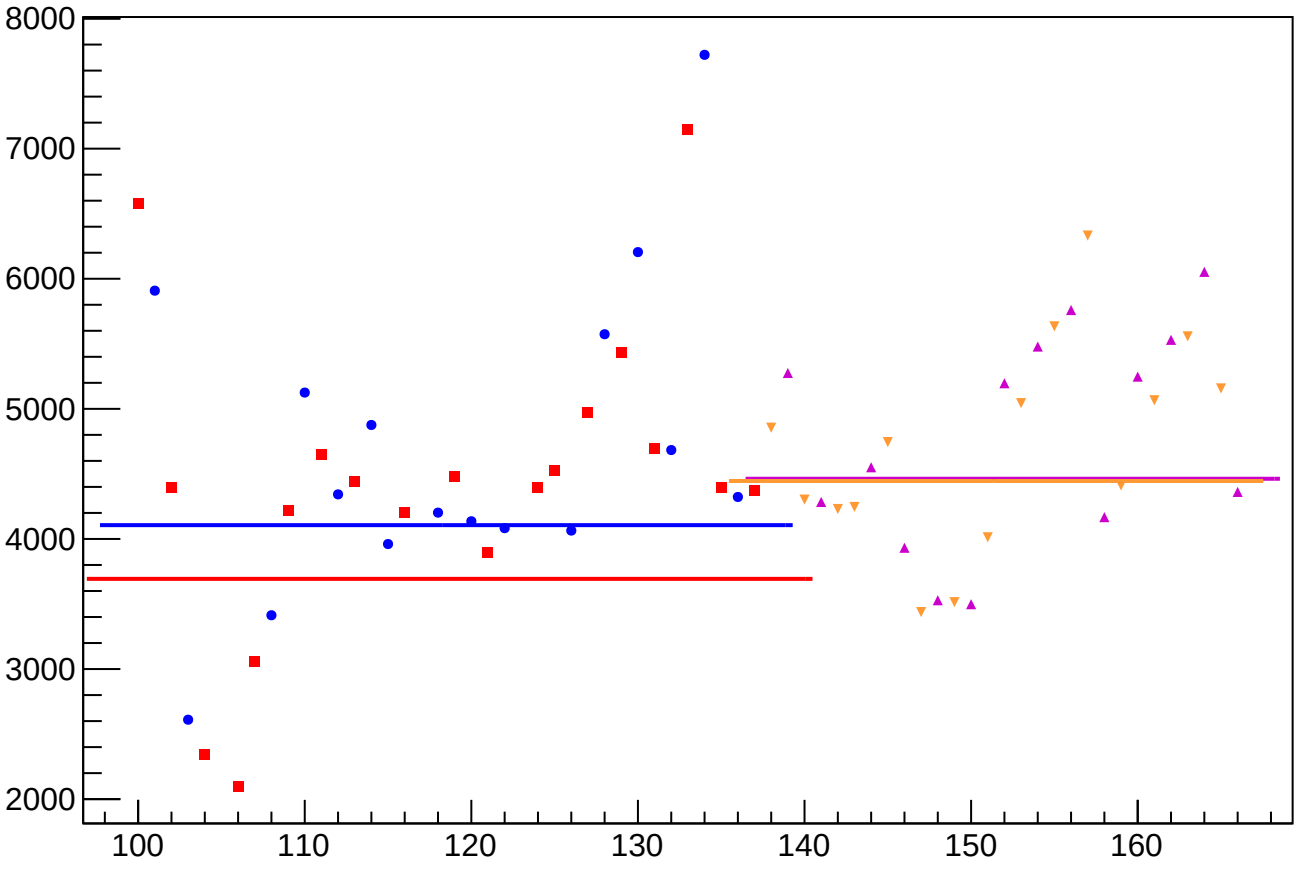
Left: 537.957+/-939.661 χ^2/NDF: 28.3/28

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 222.710+/-1022.694 χ^2/NDF:24.6/29

Out: -332.537+/-972.098 χ^2/NDF:36.1/33

All: -68.988+/-704.585 χ^2/NDF: 60.9/63



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4445.630+/-0.933 χ^2/NDF:656225.1/14

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4462.686+/-0.946 χ^2/NDF:695458.0/13

Left: 4454.038+/-0.664 χ^2/NDF: 1351847.8/28

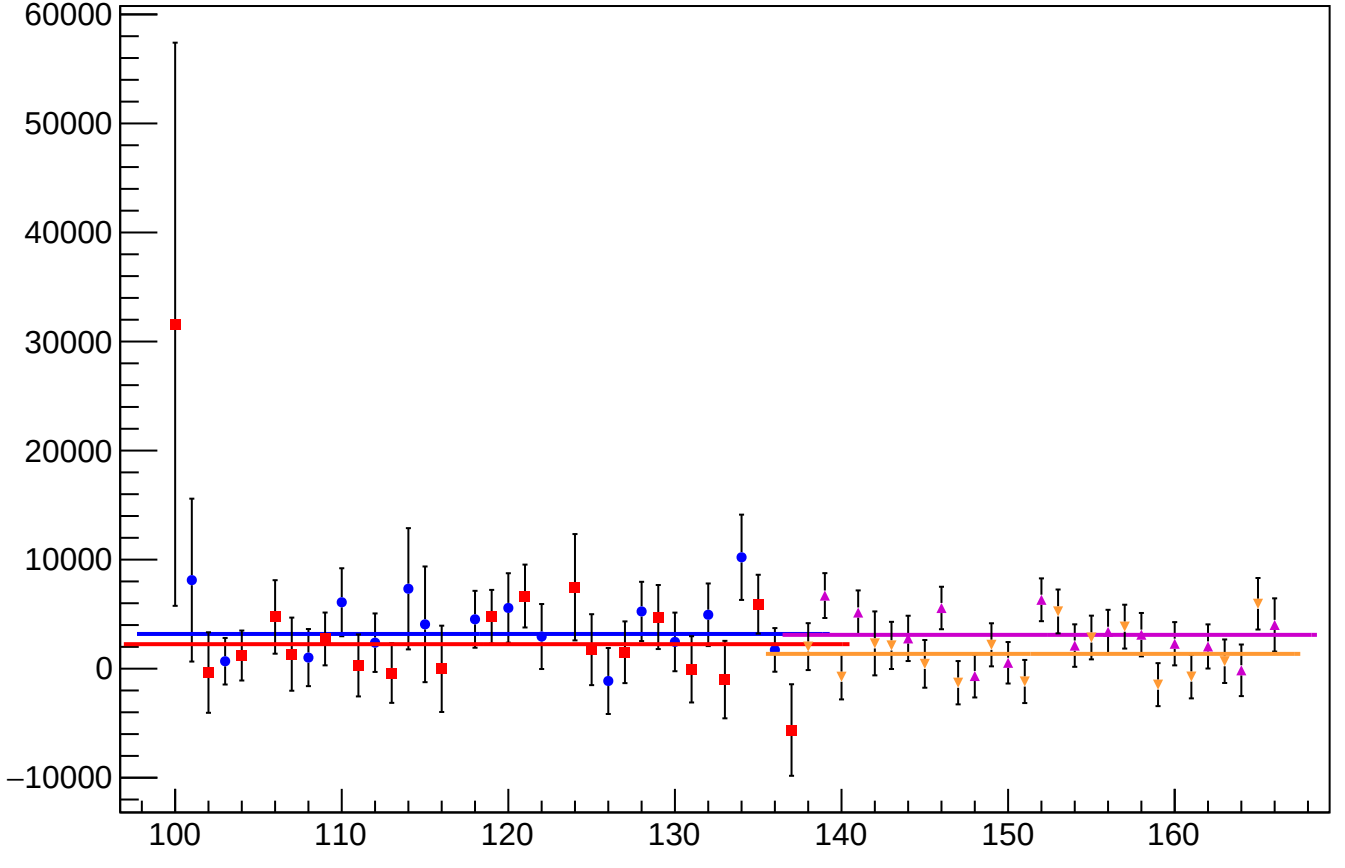
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4314.329+/-0.723 χ^2/NDF:1710649.7/29

Out: 4101.555+/-0.687 χ^2/NDF:2310192.6/33

All: 4202.548+/-0.498 χ^2/NDF: 4066322.4/63

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3100.542+/-544.212 χ^2/NDF:16.6/13

Left: 2221.362+/-383.201 χ^2/NDF: 39.8/28

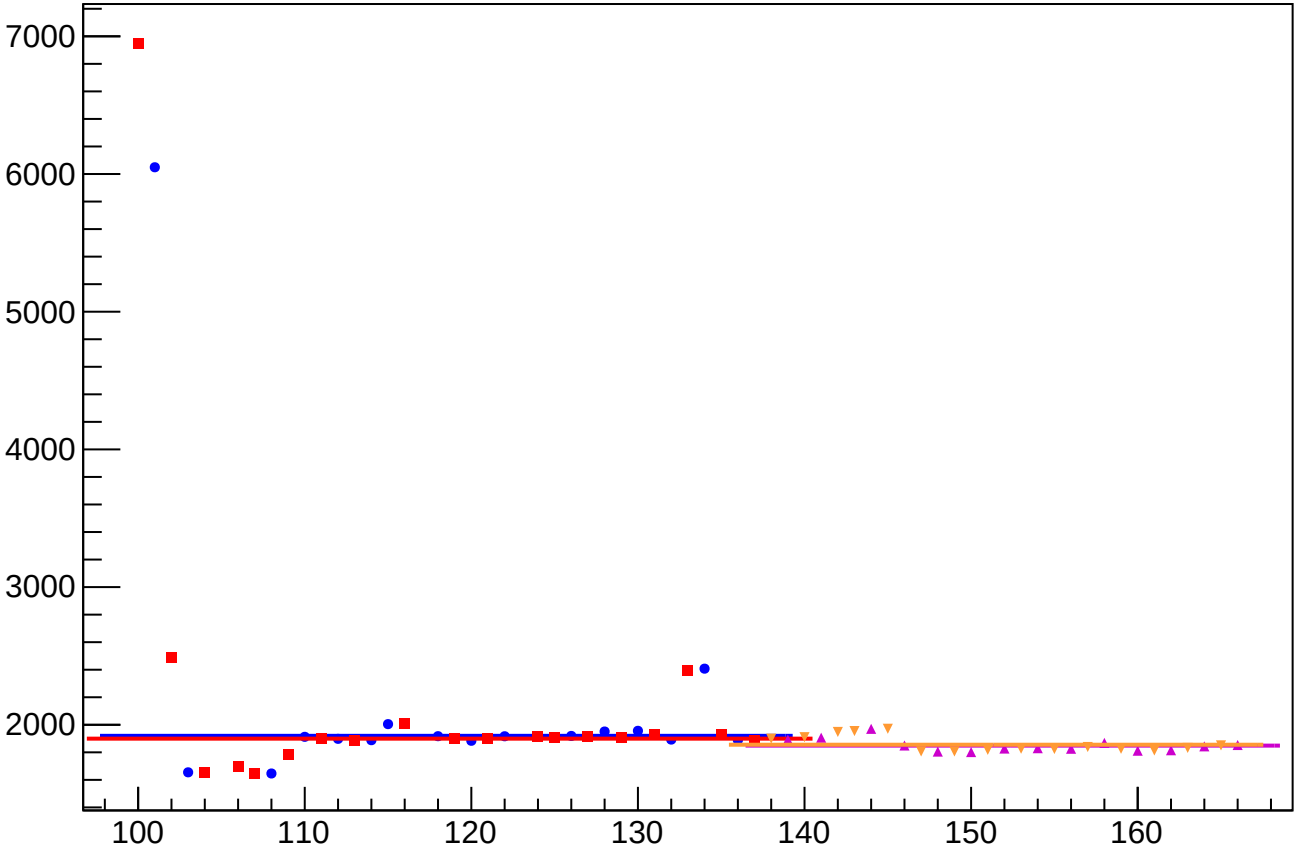
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3129.930+/-436.552 χ^2/NDF:28.3/29

Out: 1682.311+/-429.848 χ^2/NDF:35.5/33

All: 2394.919+/-306.291 χ^2/NDF: 69.4/63

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.785+/-0.385 χ^2/NDF:13717.4/13

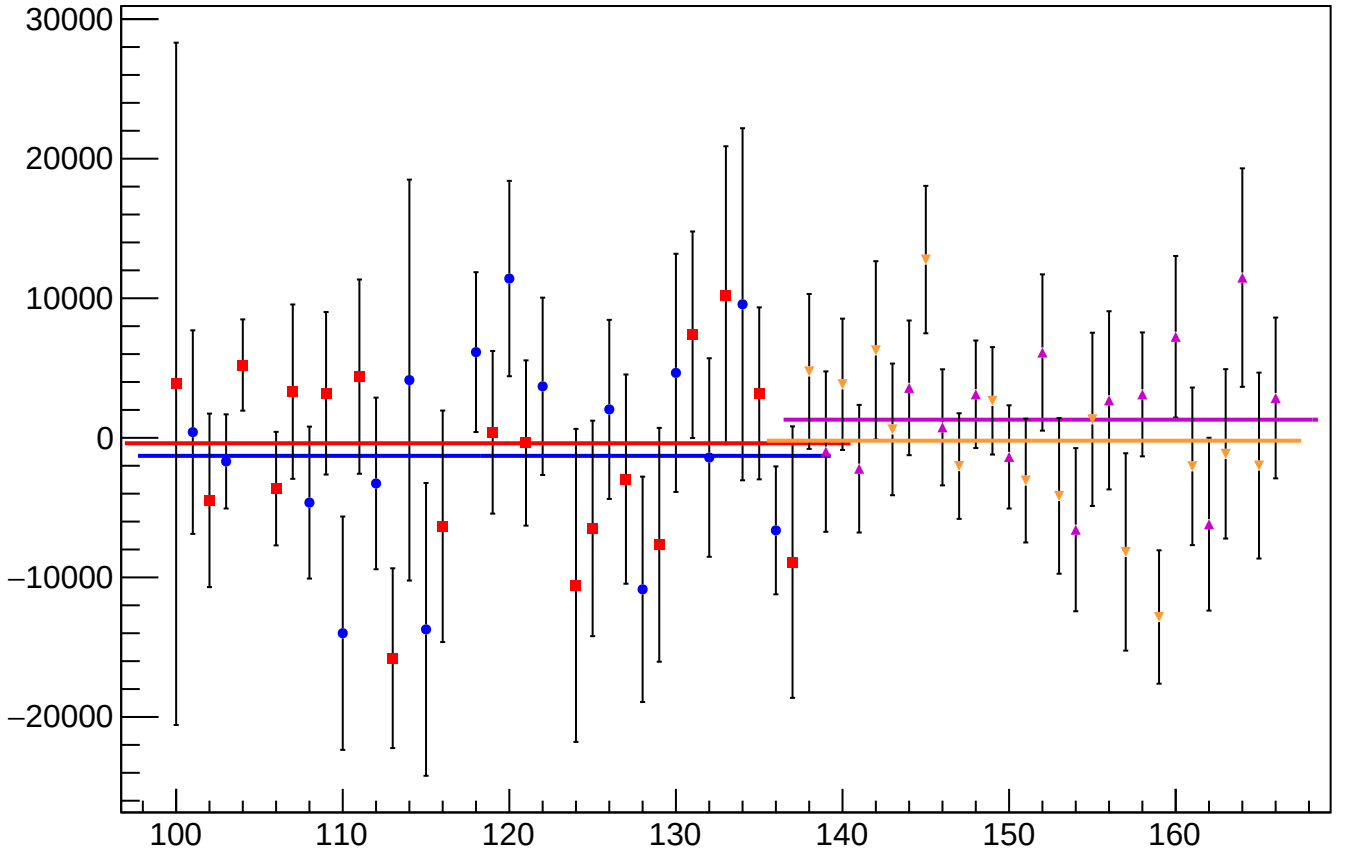
Left: 1852.064+/-0.271 χ^2/NDF: 33728.3/28

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.113+/-0.309 χ^2/NDF:723199.0/29

Out: 1871.434+/-0.304 χ^2/NDF:240407.9/33

All: 1872.752+/-0.217 χ^2/NDF: 963645.1/63



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -203.872+/-1319.591 χ^2/NDF:18.9/14

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1301.083+/-1338.369 χ^2/NDF:8.8/13

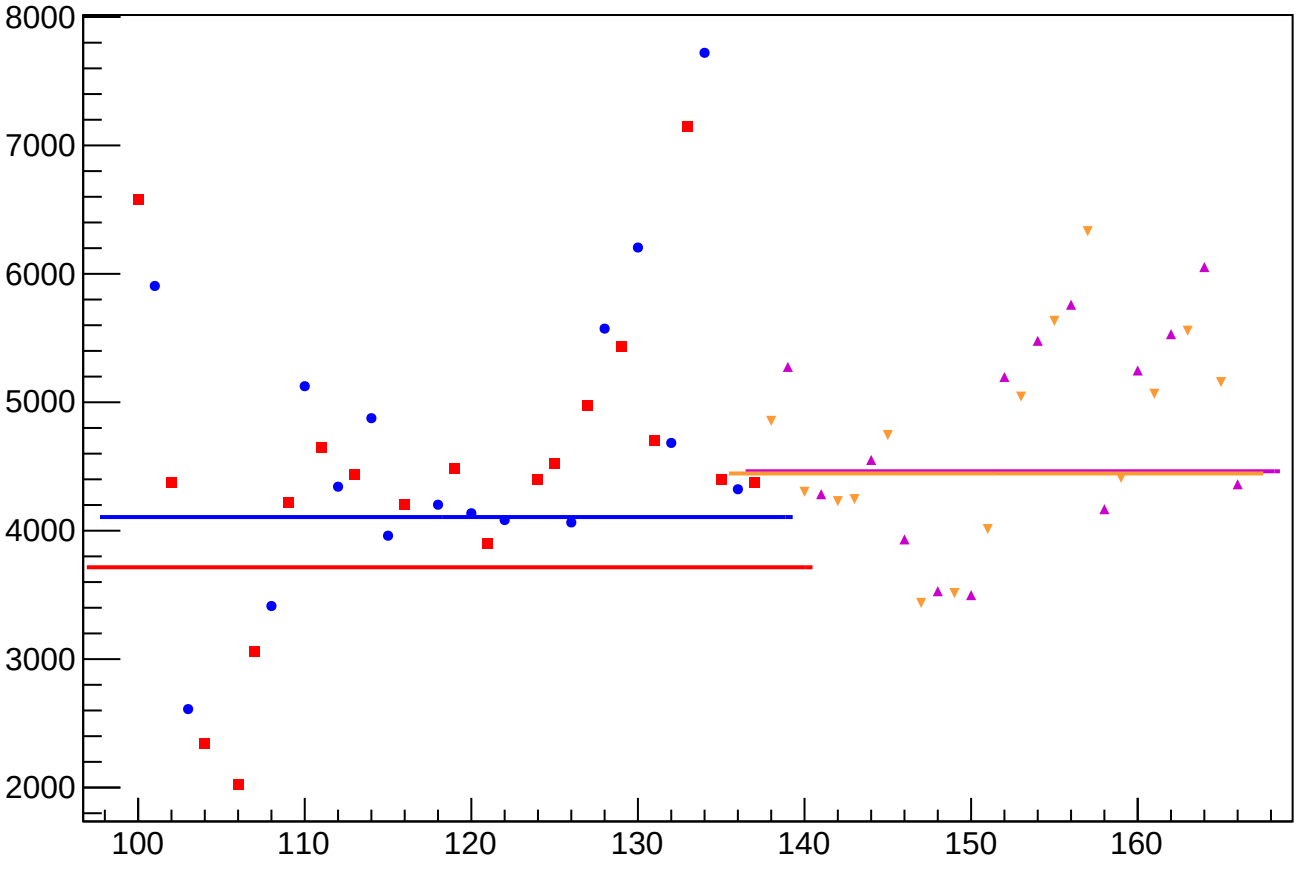
Left: 537.974+/-939.660 χ^2/NDF: 28.3/28

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 222.581+/-1022.695 χ^2/NDF:24.6/29

Out: -287.020+/-976.412 χ^2/NDF:35.9/33

All: -44.011+/-706.223 χ^2/NDF: 60.6/63



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4462.689+/-0.946 χ^2/NDF:695452.2/13

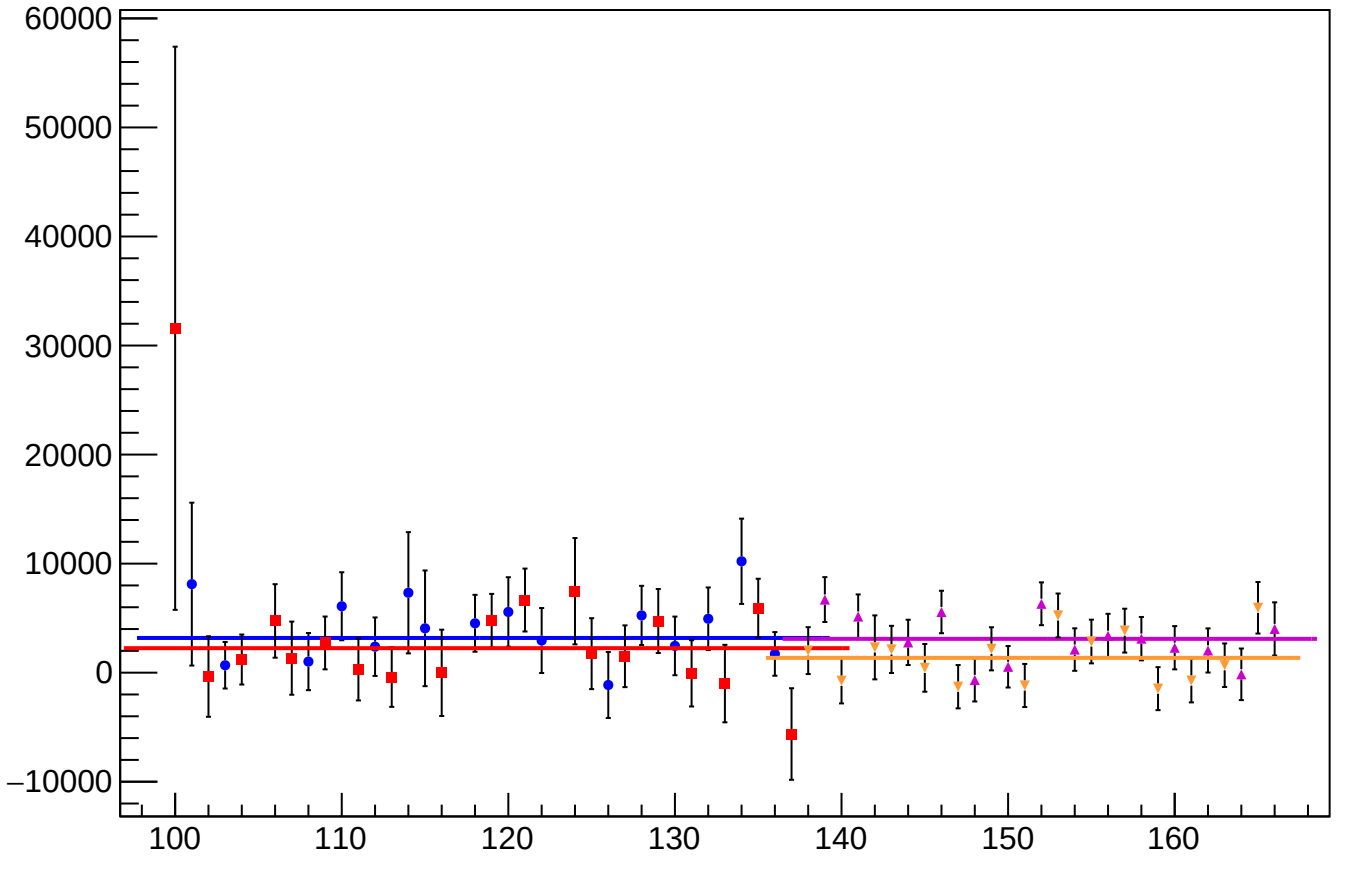
Left: 4454.033+/-0.664 χ^2/NDF: 1351858.8/28

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4314.369+/-0.723 χ^2/NDF:1710114.9/29

Out: 4115.109+/-0.690 χ^2/NDF:2268614.5/33

All: 4210.128+/-0.499 χ^2/NDF: 4018448.3/63



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3100.542+/-544.212 χ^2/NDF:16.6/13

Left: 2221.362+/-383.201 χ^2/NDF: 39.8/28

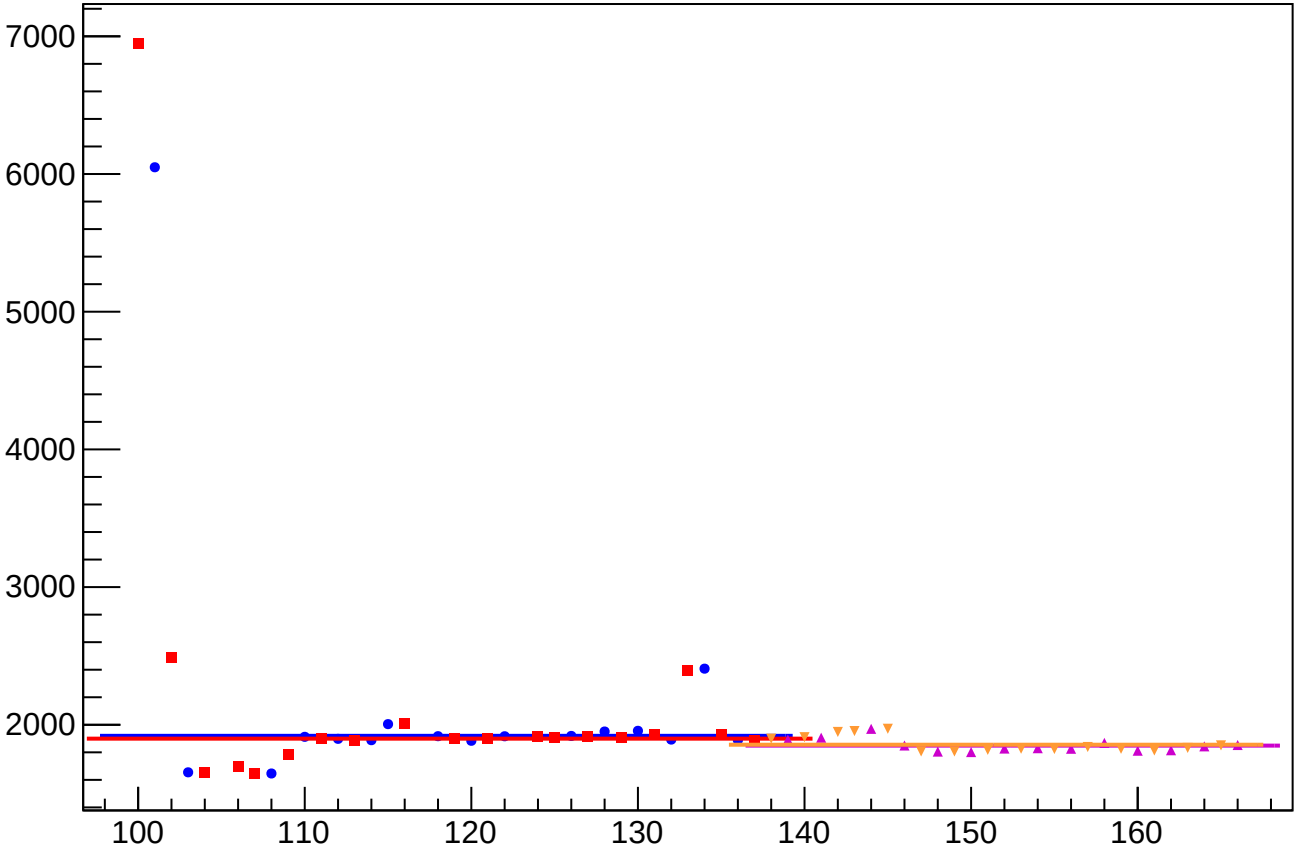
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3129.930+/-436.552 χ^2/NDF:28.3/29

Out: 1682.311+/-429.848 χ^2/NDF:35.5/33

All: 2394.919+/-306.291 χ^2/NDF: 69.4/63

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.785+/-0.385 χ^2/NDF:13717.4/13

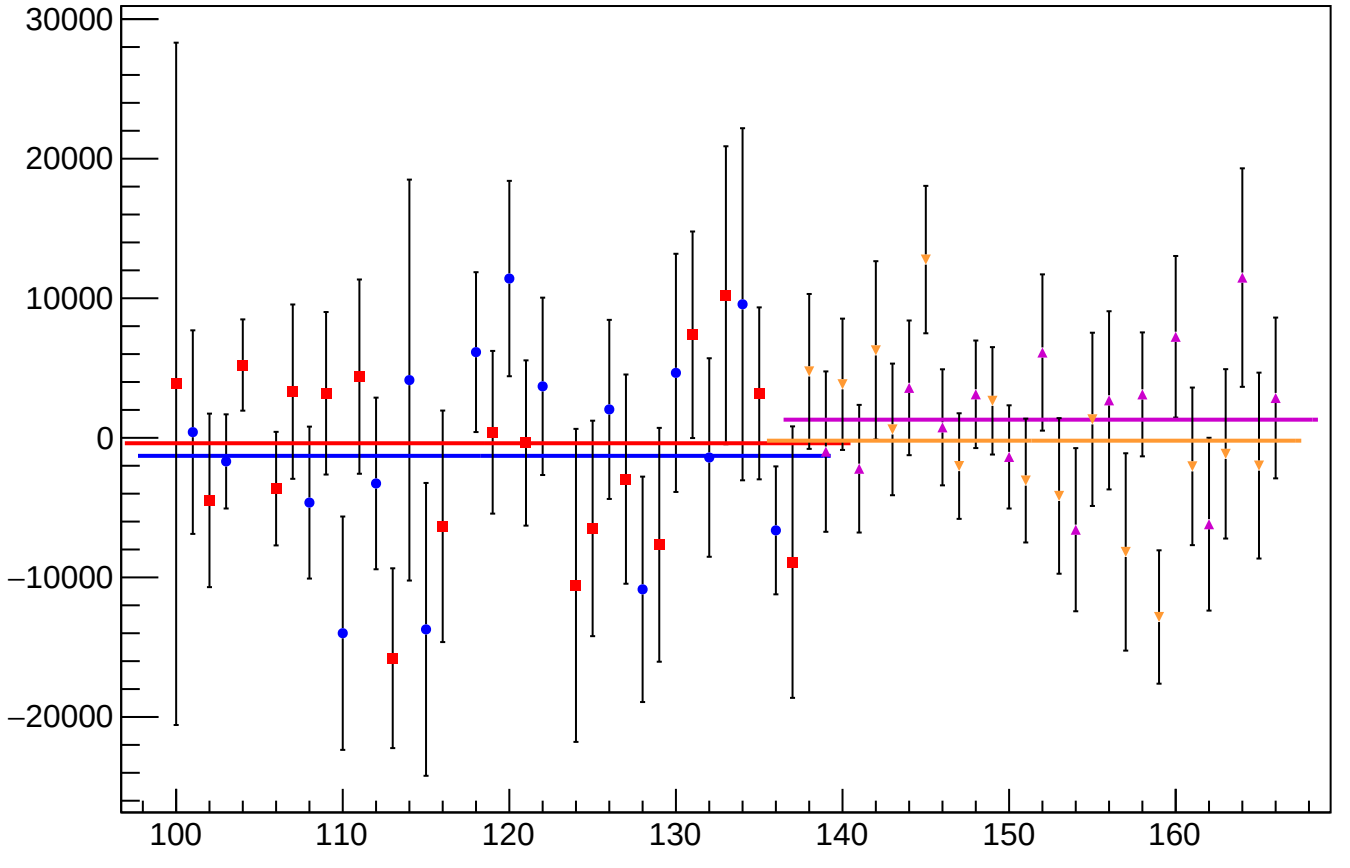
Left: 1852.064+/-0.271 χ^2/NDF: 33728.3/28

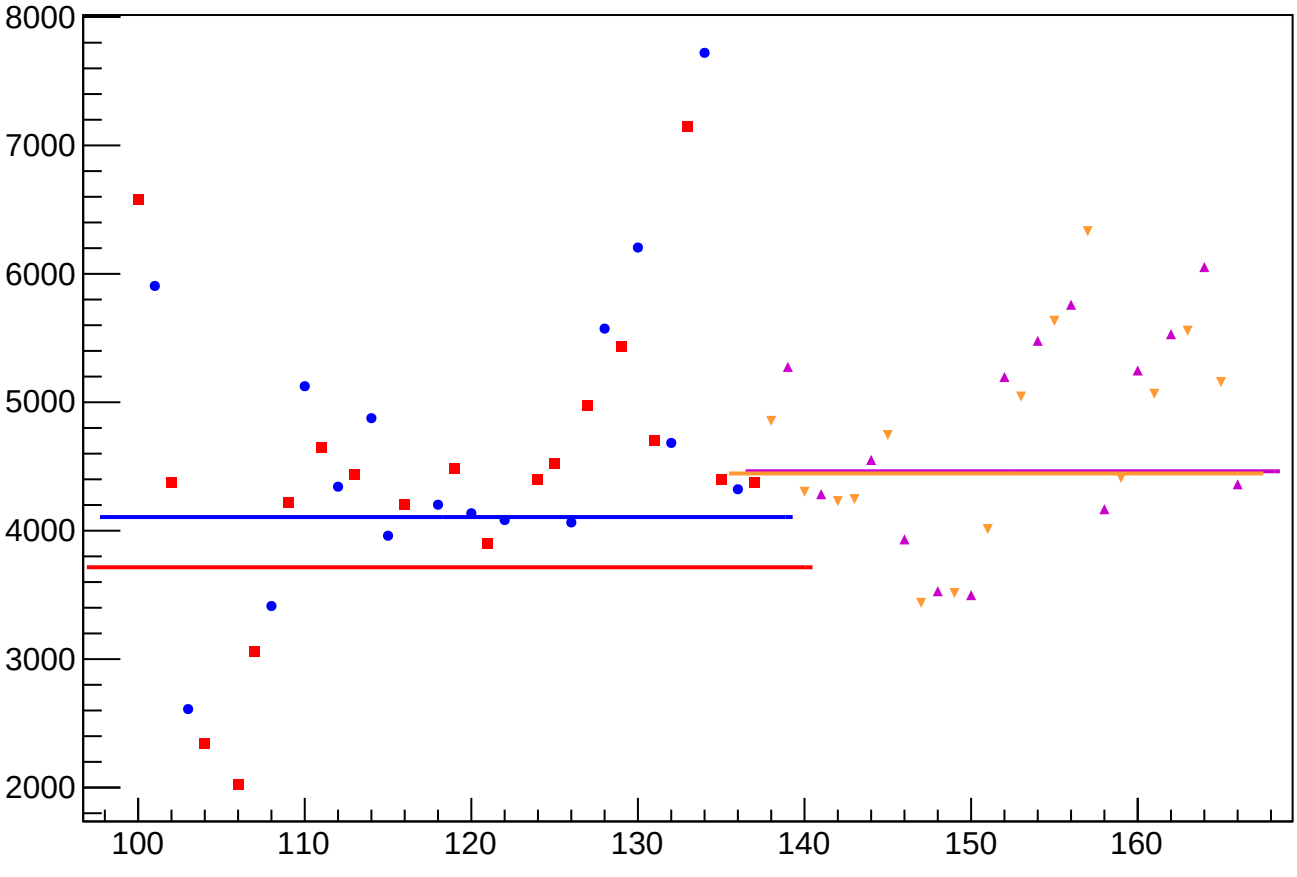
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.113+/-0.309 χ^2/NDF:723199.0/29

Out: 1871.434+/-0.304 χ^2/NDF:240407.9/33

All: 1872.752+/-0.217 χ^2/NDF: 963645.1/63


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -203.872+/-1319.591 χ²/NDF:18.9/14
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1301.083+/-1338.369 χ²/NDF:8.8/13
Left: 537.974+/-939.660 χ²/NDF: 28.3/28
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 222.581+/-1022.695 χ²/NDF:24.6/29
Out: -287.020+/-976.412 χ²/NDF:35.9/33
All: -44.011+/-706.223 χ²/NDF: 60.6/63



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4462.689+/-0.946 χ^2/NDF:695452.2/13

Left: 4454.033+/-0.664 χ^2/NDF: 1351858.8/28

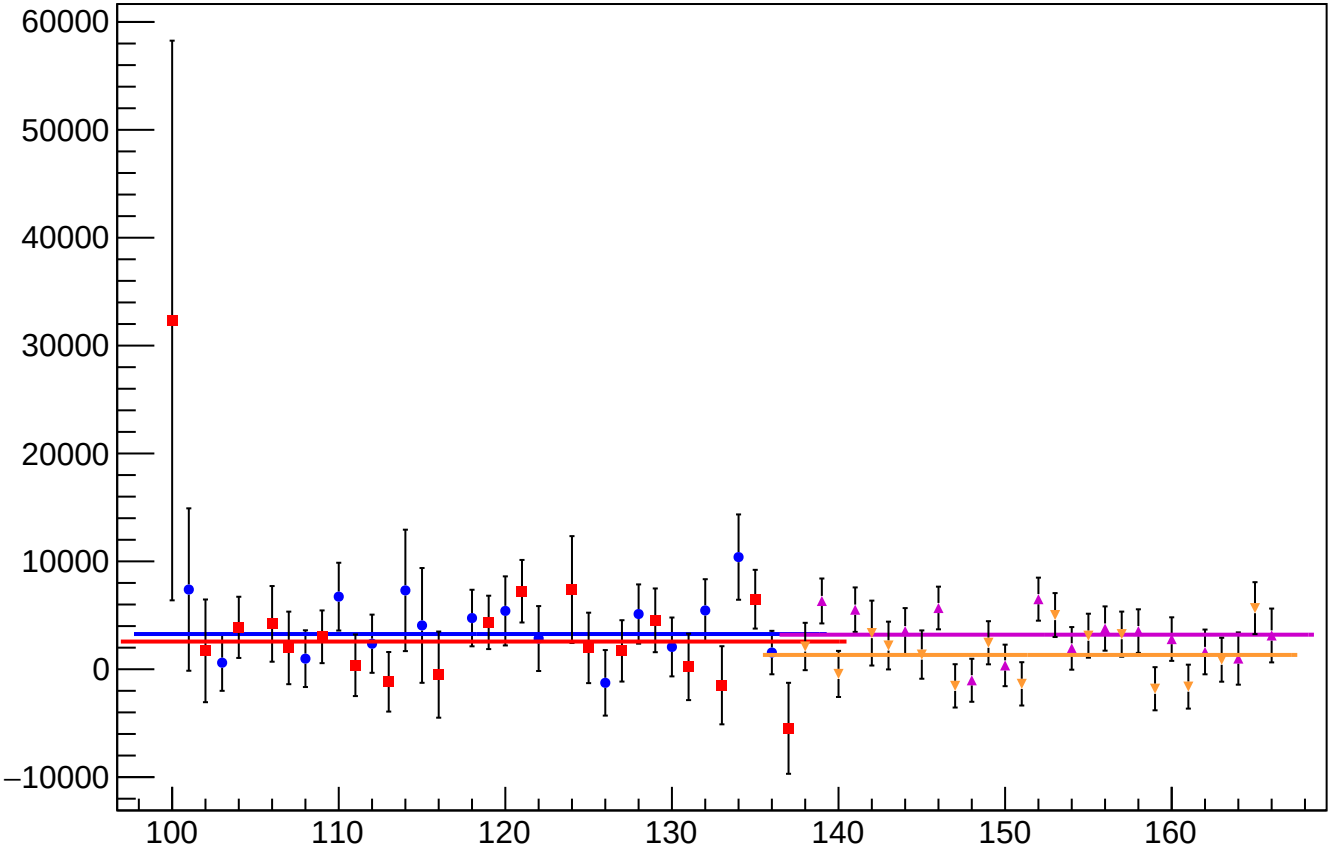
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4314.369+/-0.723 χ^2/NDF:1710114.9/29

Out: 4115.109+/-0.690 χ^2/NDF:2268614.5/33

All: 4210.128+/-0.499 χ^2/NDF: 4018448.3/63

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.496+/-550.316 χ^2/NDF:18.3/14

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3202.652+/-553.723 χ^2/NDF:16.5/13

Left: 2258.784+/-390.331 χ^2/NDF: 40.6/28

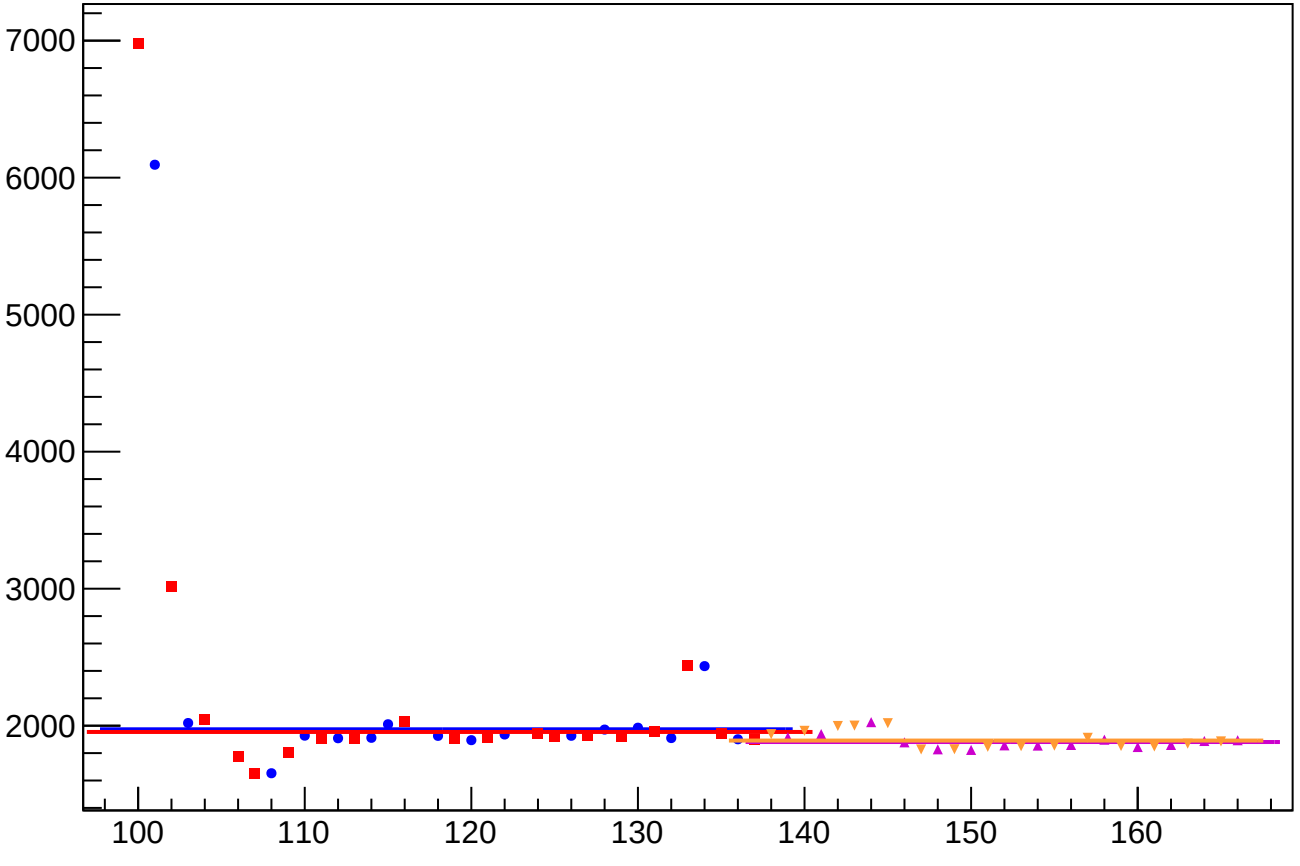
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3224.488+/-445.649 χ^2/NDF:28.7/29

Out: 1772.091+/-440.494 χ^2/NDF:37.1/33

All: 2489.841+/-313.283 χ^2/NDF: 71.2/63

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.567+/-0.389 χ^2/NDF:25600.9/14

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.921+/-0.392 χ^2/NDF:16531.8/13

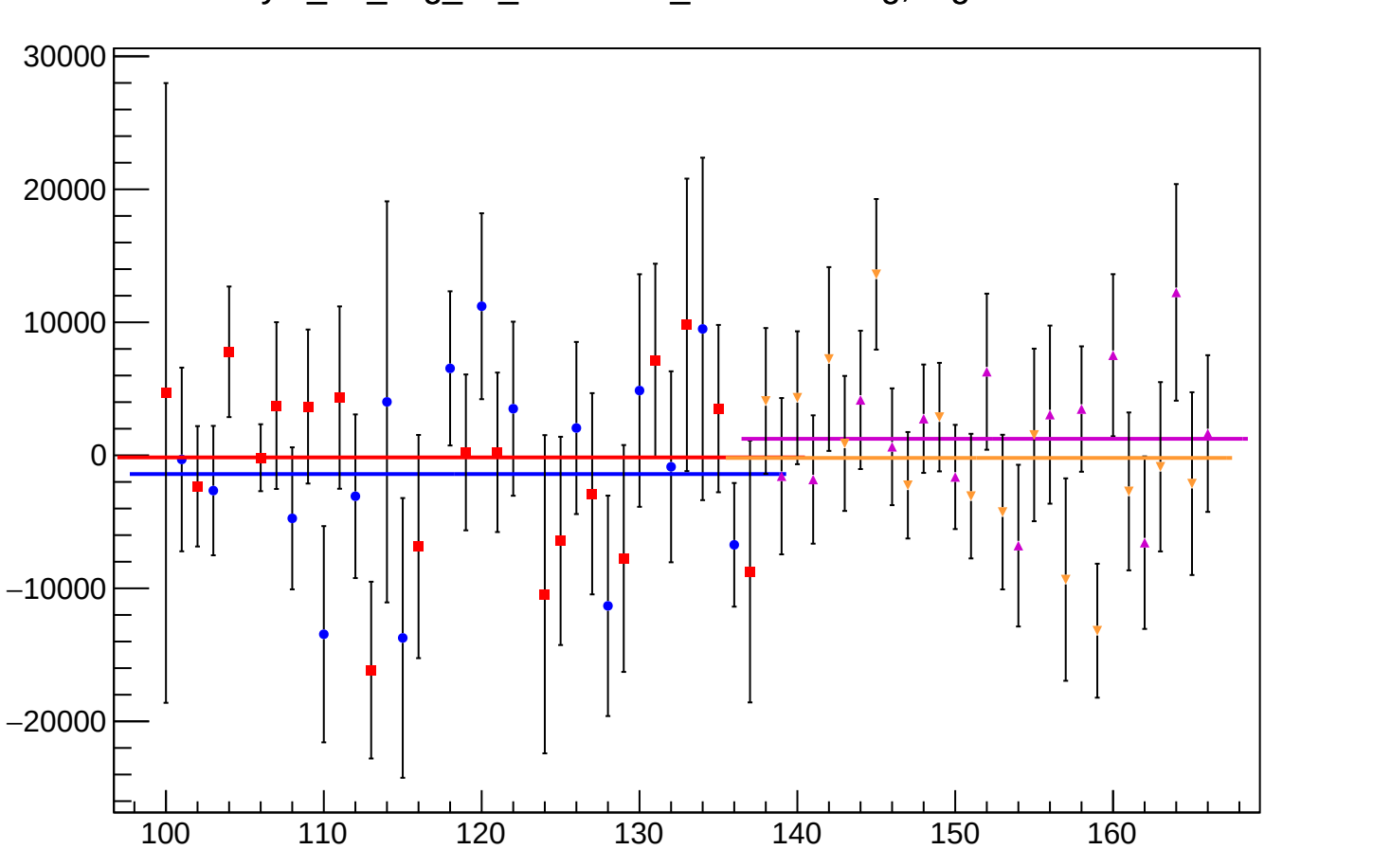
Left: 1886.277+/-0.276 χ^2/NDF: 42504.7/28

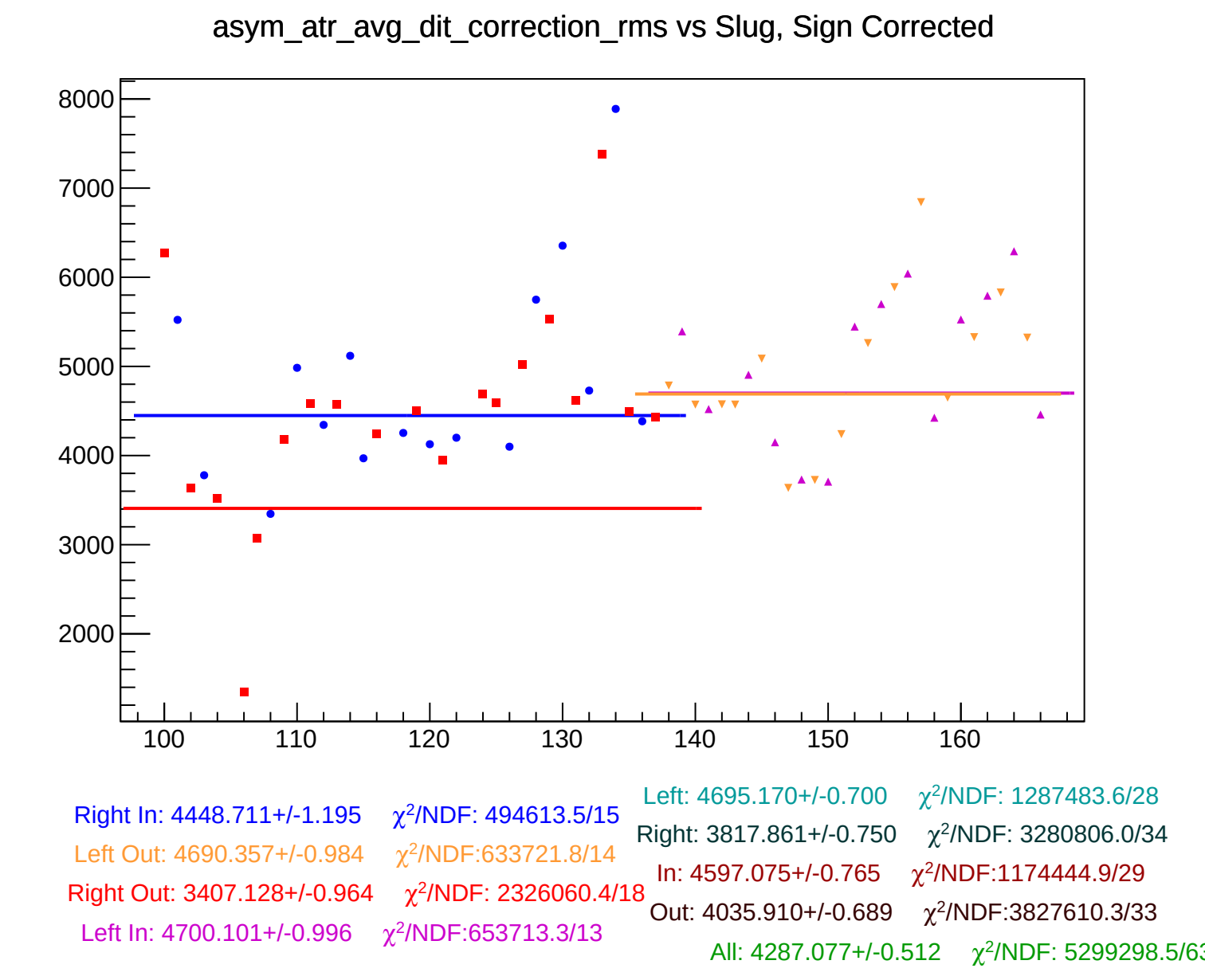
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

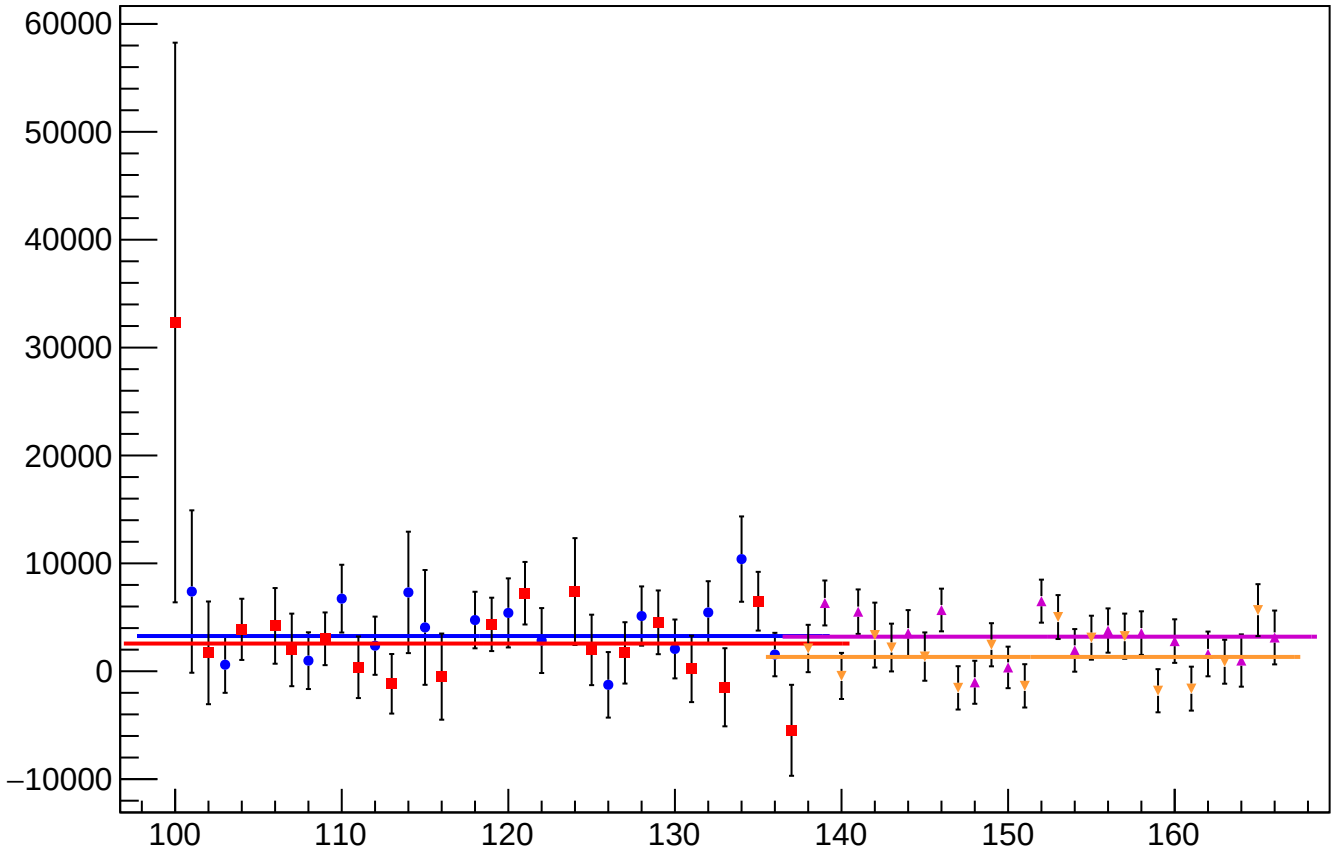
In: 1913.620+/-0.315 χ^2/NDF:701455.8/29

Out: 1914.146+/-0.311 χ^2/NDF:281172.3/33

All: 1913.886+/-0.221 χ^2/NDF: 982629.5/63


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: -196.497+/-1391.193 χ²/NDF:18.7/14
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 1242.269+/-1408.293 χ²/NDF:8.8/13
Left: 514.097+/-989.712 χ²/NDF: 28.0/28
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: 156.374+/-1081.891 χ²/NDF:24.4/29
Out: -175.472+/-973.835 χ²/NDF:34.5/33
All: -26.944+/-723.802 χ²/NDF: 59.0/63


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4690.357+/-0.984 χ²/NDF:633721.8/14
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4700.101+/-0.996 χ²/NDF:653713.3/13
Left: 4695.170+/-0.700 χ²/NDF: 1287483.6/28
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4597.075+/-0.765 χ²/NDF:1174444.9/29
Out: 4035.910+/-0.689 χ²/NDF:3827610.3/33
All: 4287.077+/-0.512 χ²/NDF: 5299298.5/63



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.486+/-550.316 χ^2/NDF:18.3/14

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3202.656+/-553.723 χ^2/NDF:16.5/13

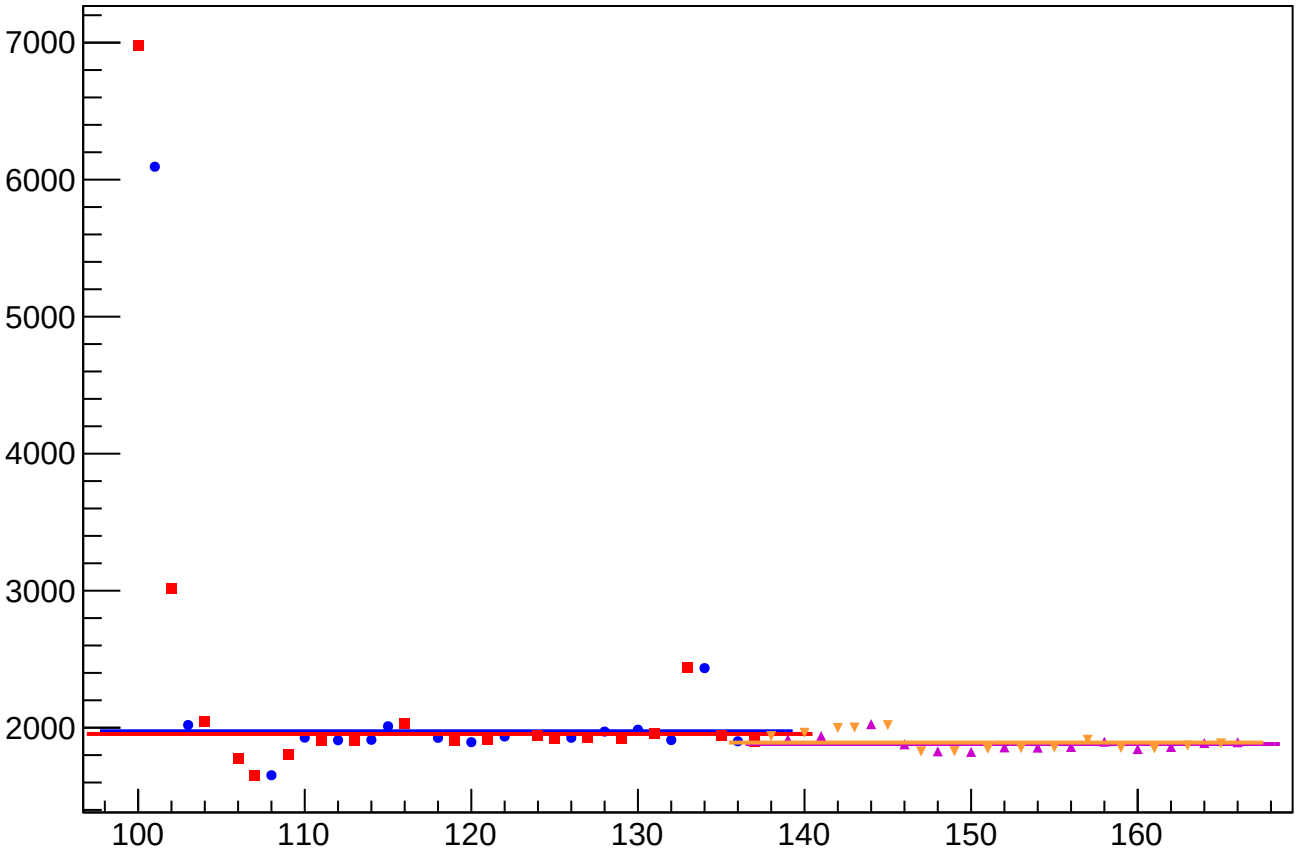
Left: 2258.780+/-390.331 χ^2/NDF: 40.6/28

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

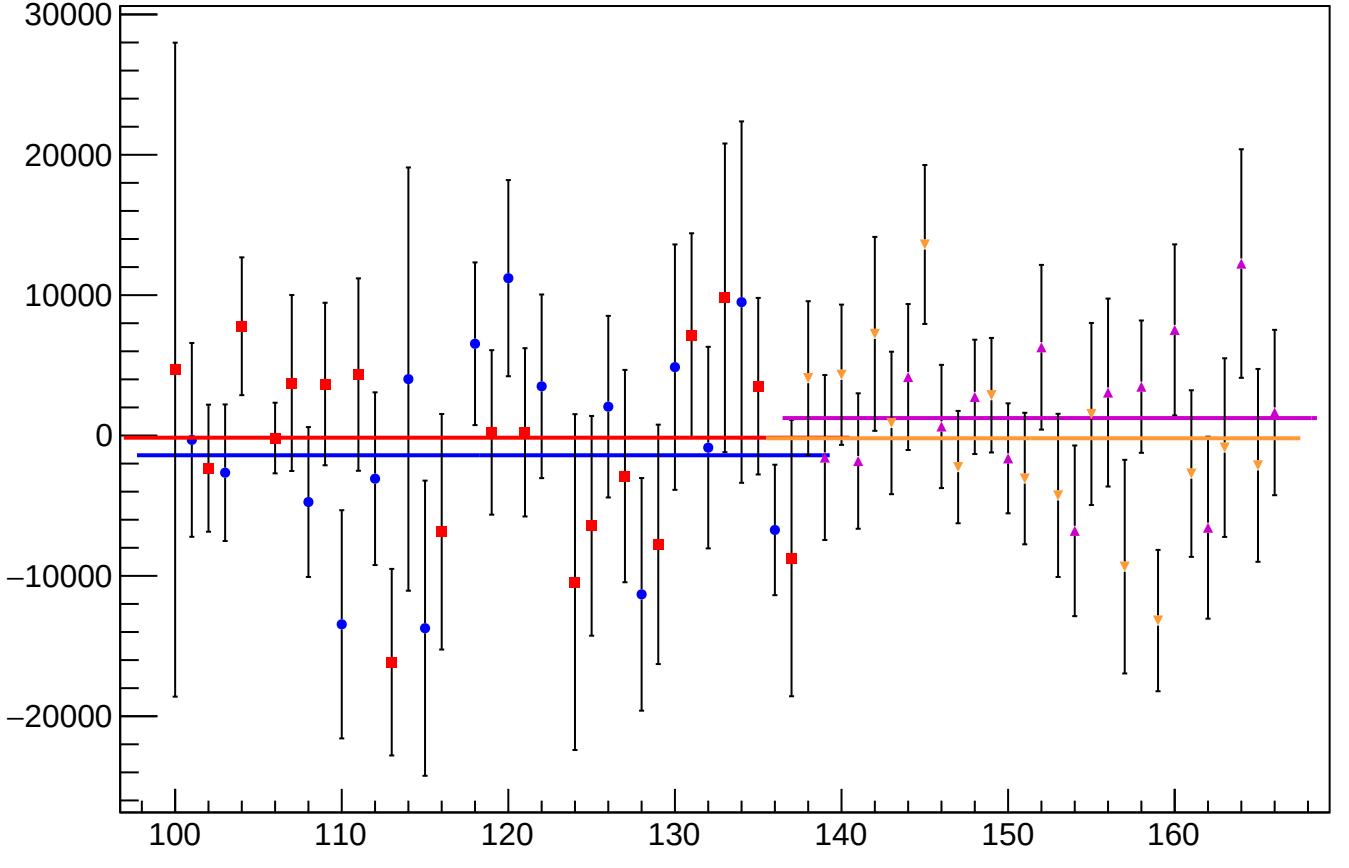
In: 3224.492+/-445.649 χ^2/NDF:28.7/29

Out: 1772.087+/-440.494 χ^2/NDF:37.1/33

All: 2489.841+/-313.283 χ^2/NDF: 71.2/63


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1891.568+/-0.389 χ²/NDF:25601.0/14
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1880.921+/-0.392 χ²/NDF:16531.8/13
Left: 1886.278+/-0.276 χ²/NDF: 42504.7/28
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1913.620+/-0.315 χ²/NDF:701455.3/29
Out: 1914.147+/-0.311 χ²/NDF:281171.5/33
All: 1913.887+/-0.221 χ²/NDF: 982628.1/63

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -196.502+/-1391.195 χ^2/NDF:18.7/14

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 1242.267+/-1408.296 χ^2/NDF:8.8/13

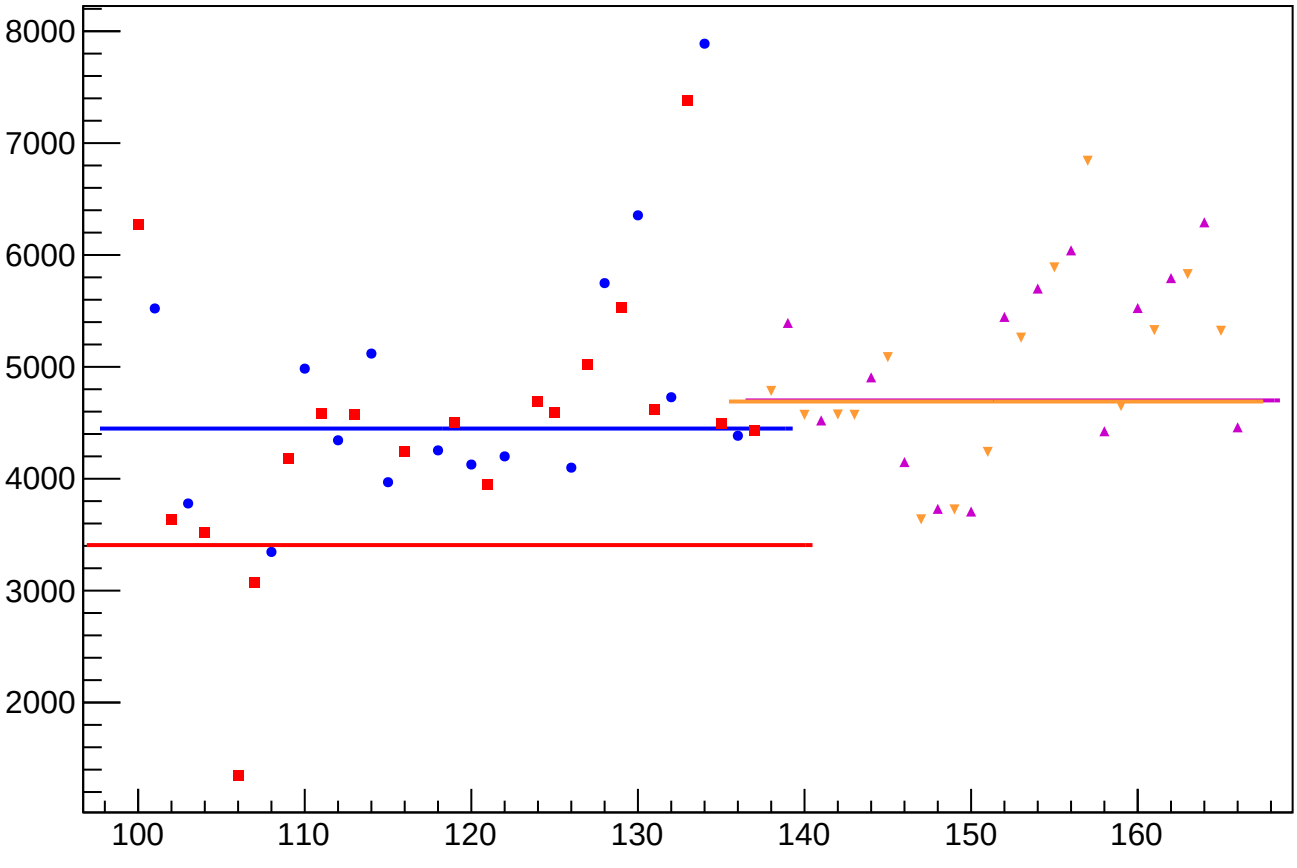
Left: 514.094+/-989.714 χ^2/NDF: 28.0/28

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: 156.377+/-1081.891 χ^2/NDF:24.4/29

Out: -175.475+/-973.835 χ^2/NDF:34.5/33

All: -26.944+/-723.801 χ^2/NDF: 59.0/63



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4690.364+/-0.984 χ^2/NDF:633722.2/14

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4700.109+/-0.996 χ^2/NDF:653712.4/13

Left: 4695.177+/-0.700 χ^2/NDF: 1287483.0/28

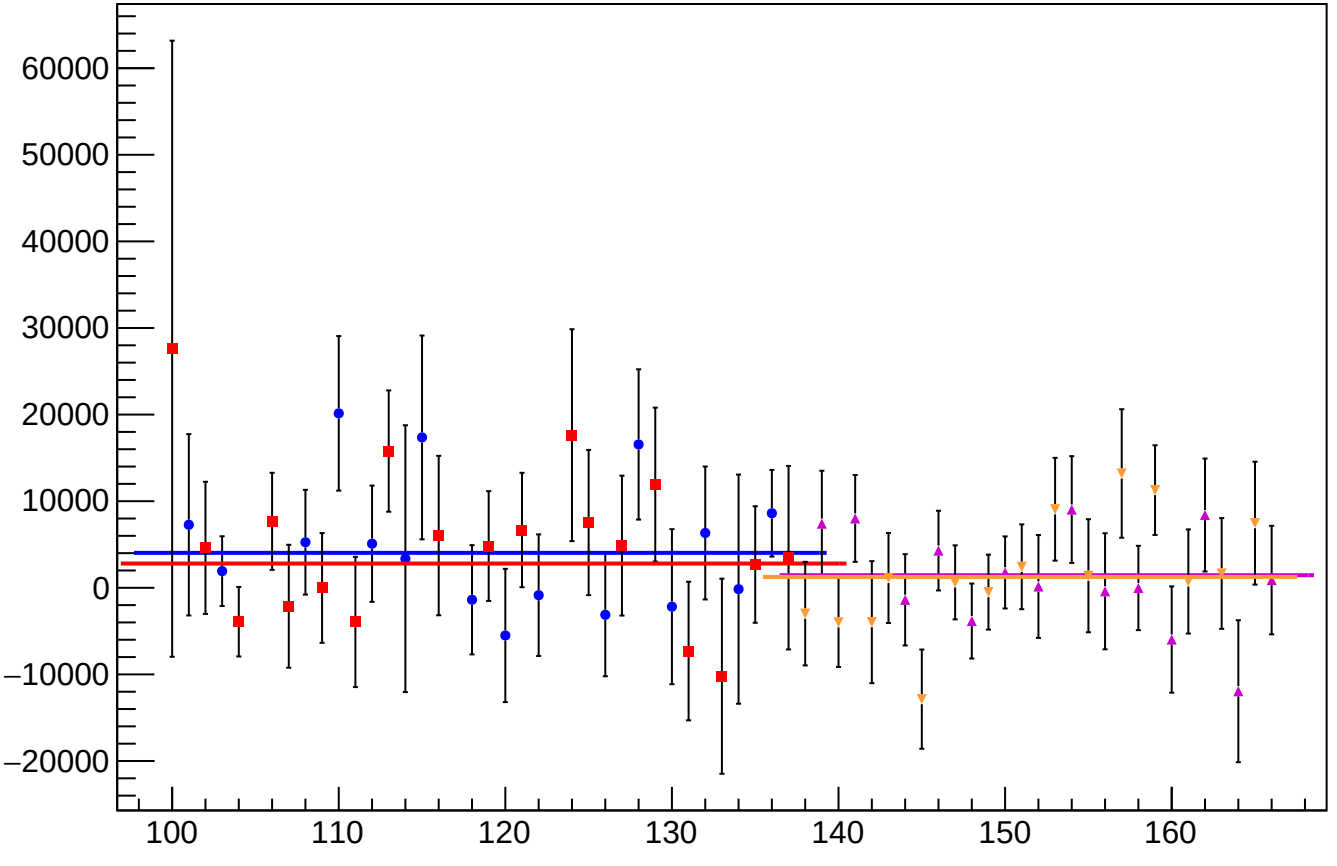
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4597.076+/-0.765 χ^2/NDF:1174444.1/29

Out: 4035.907+/-0.689 χ^2/NDF:3827635.9/33

All: 4287.076+/-0.512 χ^2/NDF: 5299327.7/63

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1254.412+/-1439.887 χ^2/NDF:17.2/14

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1454.325+/-1457.964 χ^2/NDF:11.8/13

Left: 1353.121+/-1024.485 χ^2/NDF: 29.1/28

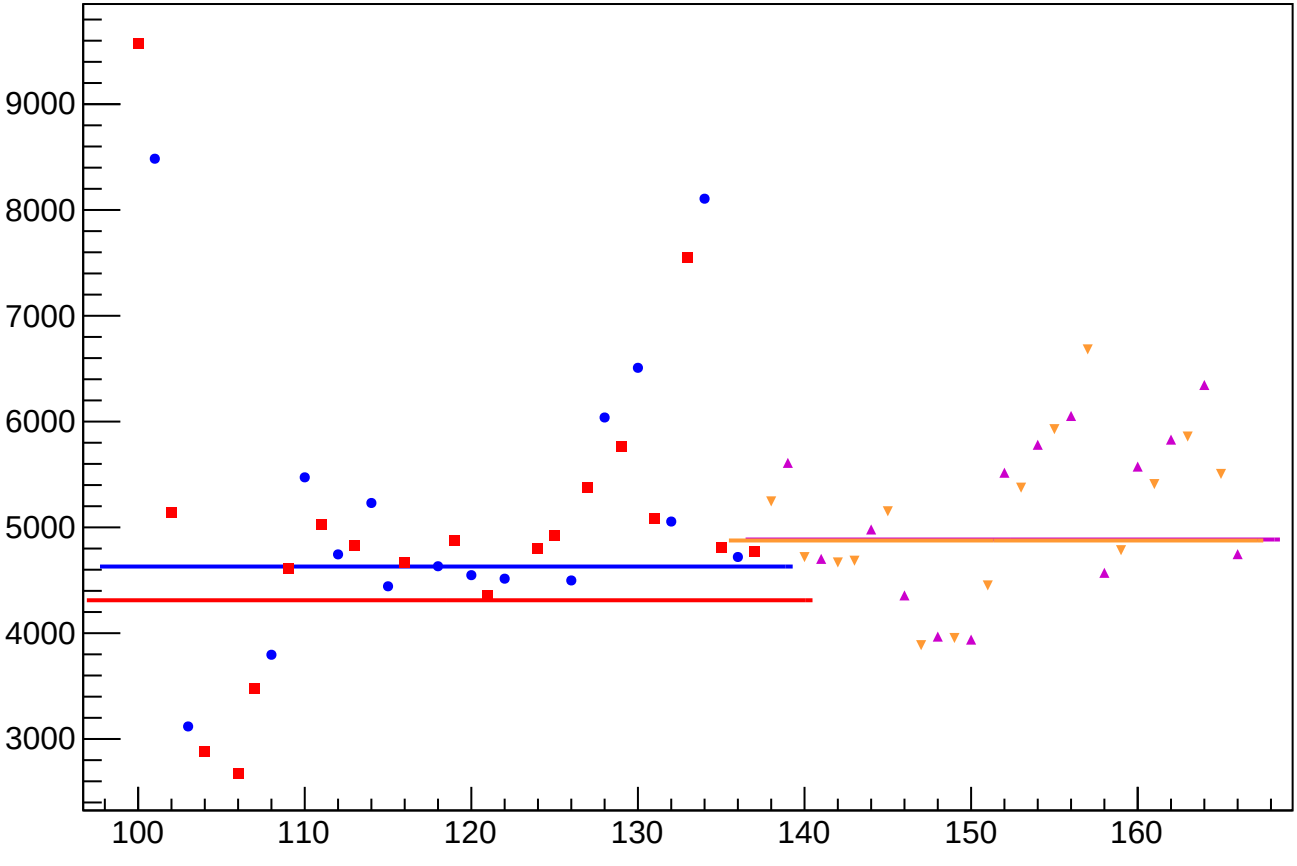
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2488.927+/-1128.420 χ^2/NDF:25.4/29

Out: 1912.849+/-1091.032 χ^2/NDF:33.2/33

All: 2191.186+/-784.361 χ^2/NDF: 58.8/63

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4876.144+/-1.018 χ^2/NDF:495293.3/14

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4885.292+/-1.031 χ^2/NDF:516417.7/13

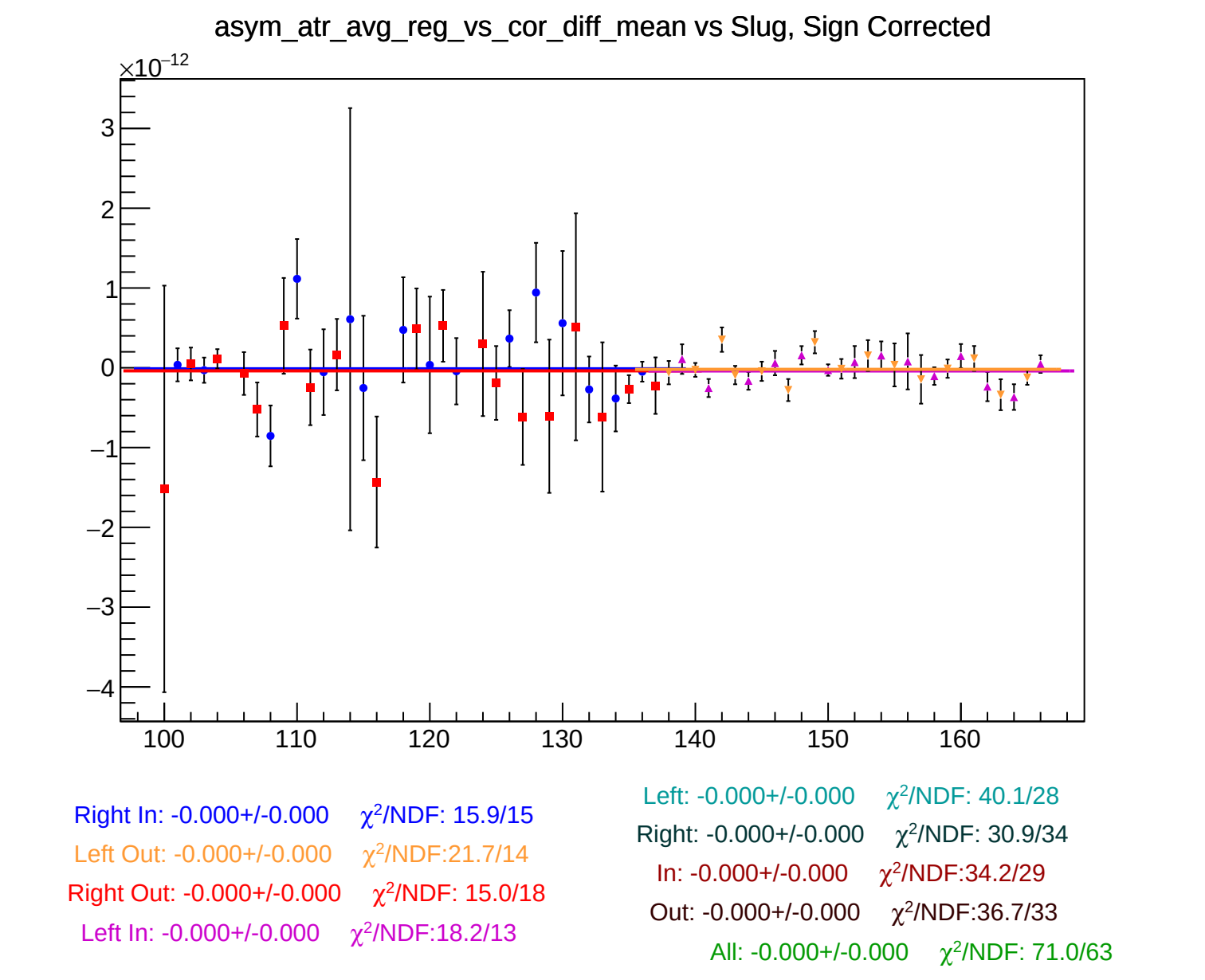
Left: 4880.661+/-0.724 χ^2/NDF: 1011750.8/28

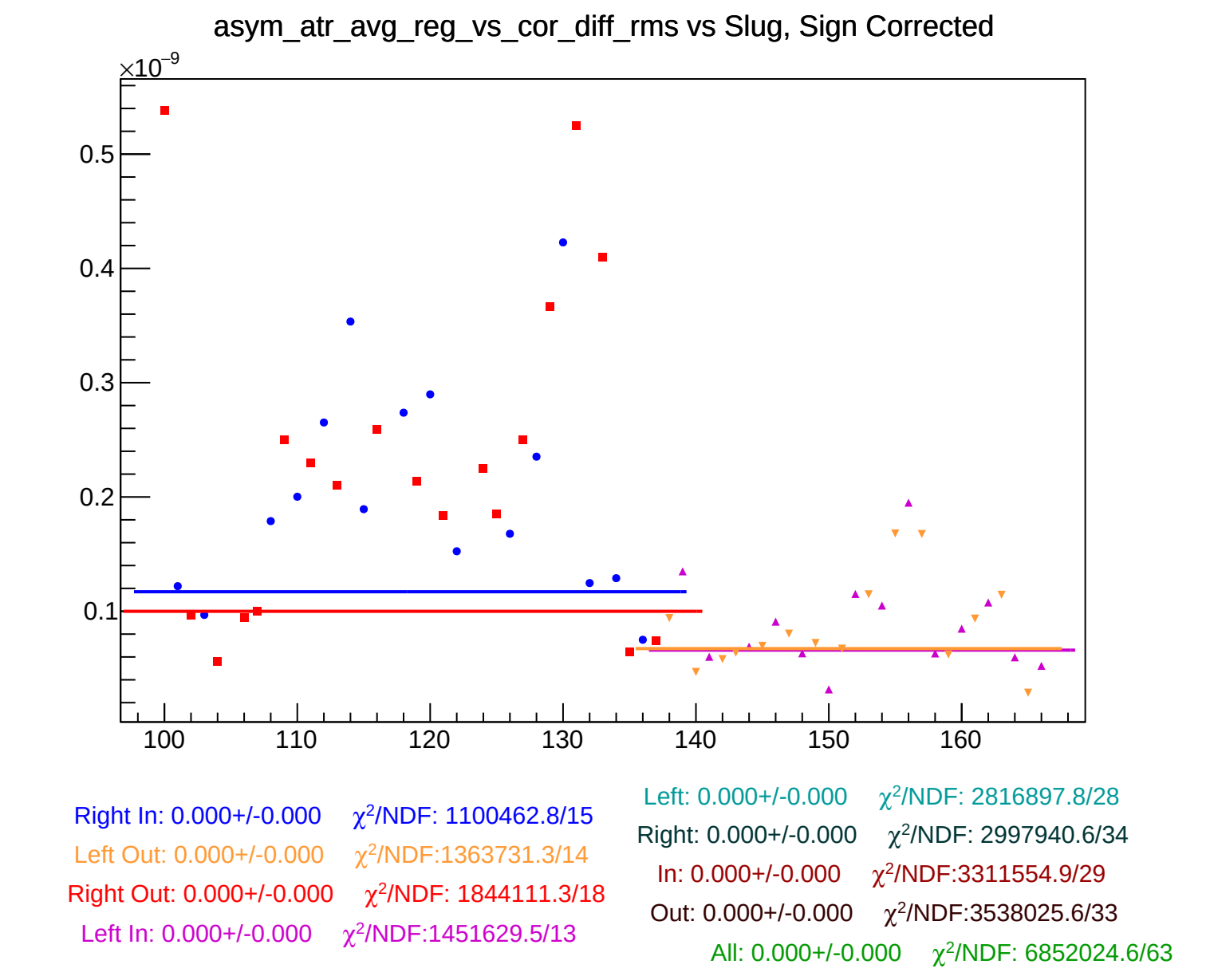
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

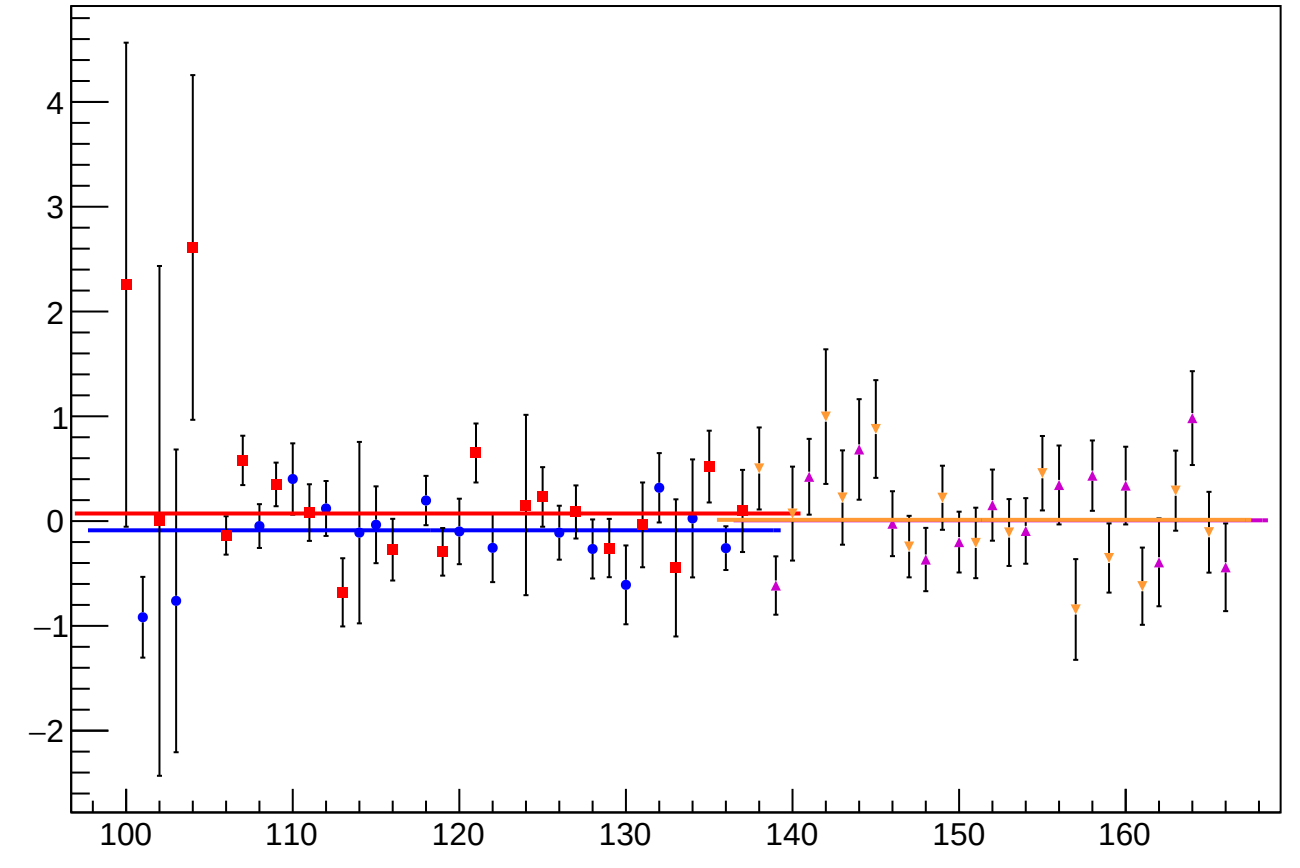
In: 4782.914+/-0.798 χ^2/NDF:1441258.3/29

Out: 4633.161+/-0.769 χ^2/NDF:1532446.3/33

All: 4705.238+/-0.554 χ^2/NDF: 2991975.3/63


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:21.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.2/13
Left: -0.000+/-0.000 χ²/NDF: 40.1/28
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:34.2/29
Out: -0.000+/-0.000 χ²/NDF:36.7/33
All: -0.000+/-0.000 χ²/NDF: 71.0/63


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1363731.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1451629.5/13
Left: 0.000+/-0.000 χ²/NDF: 2816897.8/28
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3311554.9/29
Out: 0.000+/-0.000 χ²/NDF:3538025.6/33
All: 0.000+/-0.000 χ²/NDF: 6852024.6/63



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

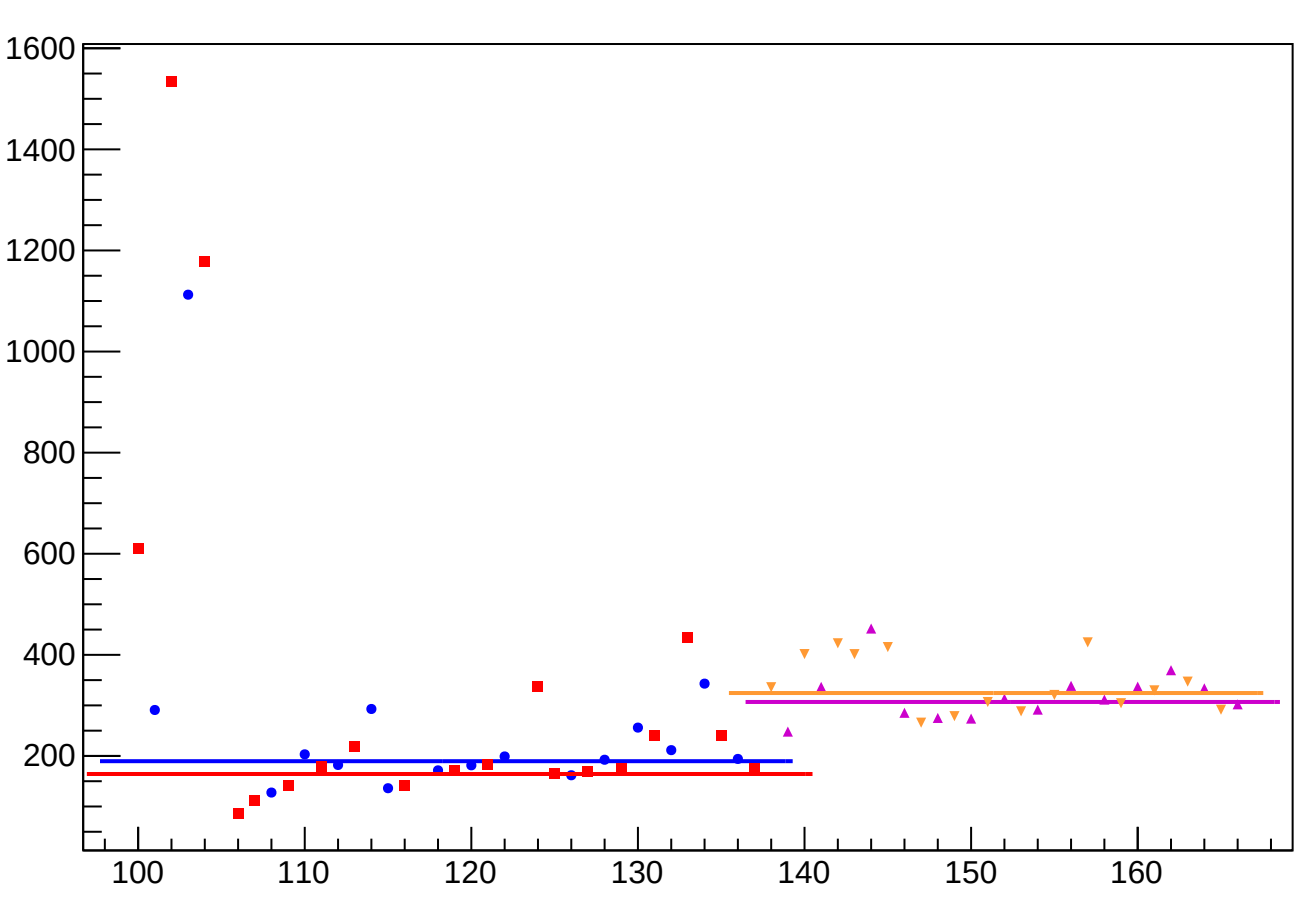
Left: 0.010+/-0.067 χ^2/NDF: 39.6/28

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.003+/-0.041 χ^2/NDF: 84.5/63



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 306.772+/-0.065 χ^2/NDF:428502.9/13

Left: 315.235+/-0.047 χ^2/NDF: 978123.6/28

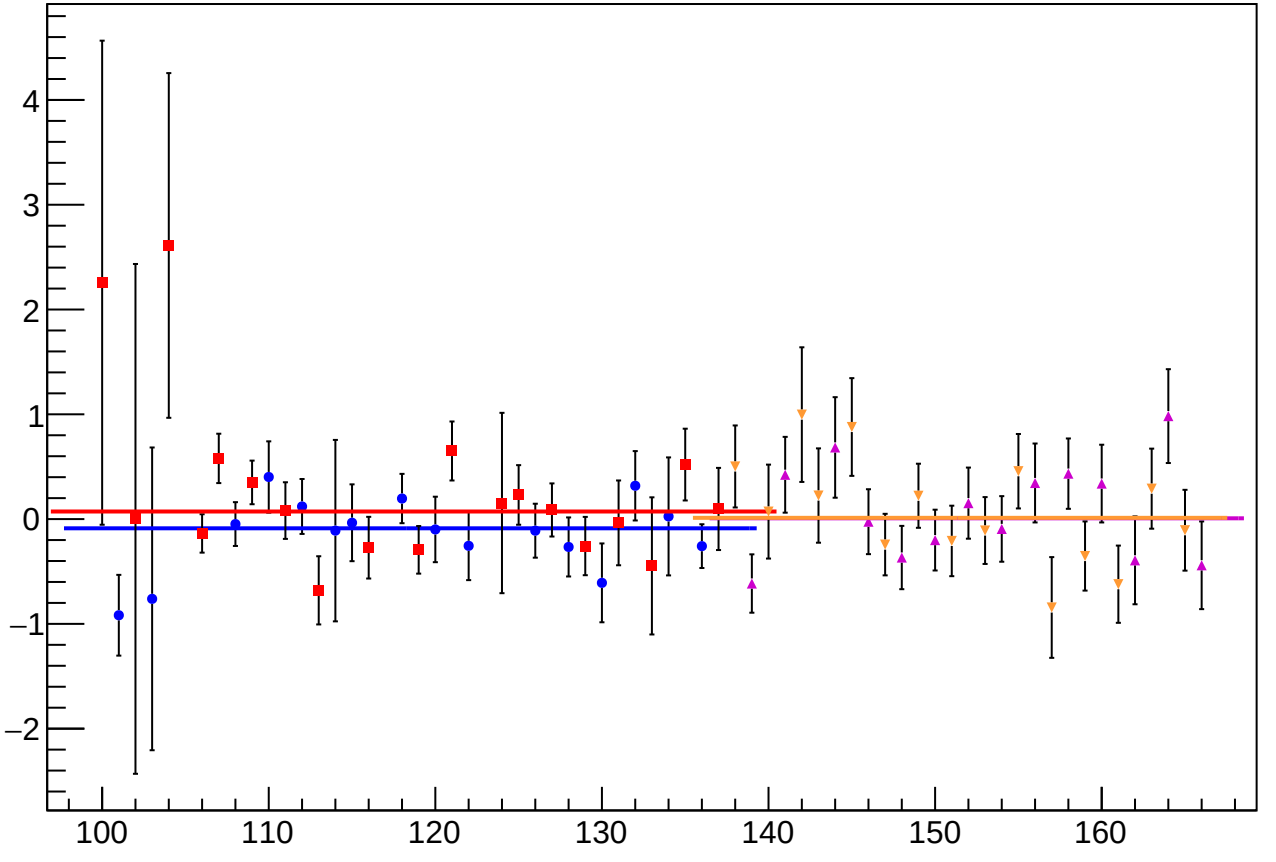
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 237.343+/-0.042 χ^2/NDF:3790841.3/29

Out: 219.329+/-0.040 χ^2/NDF:6755627.7/33

All: 227.967+/-0.029 χ^2/NDF: 10643180.4/63

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

Left: 0.010+/-0.067 χ^2/NDF: 39.6/28

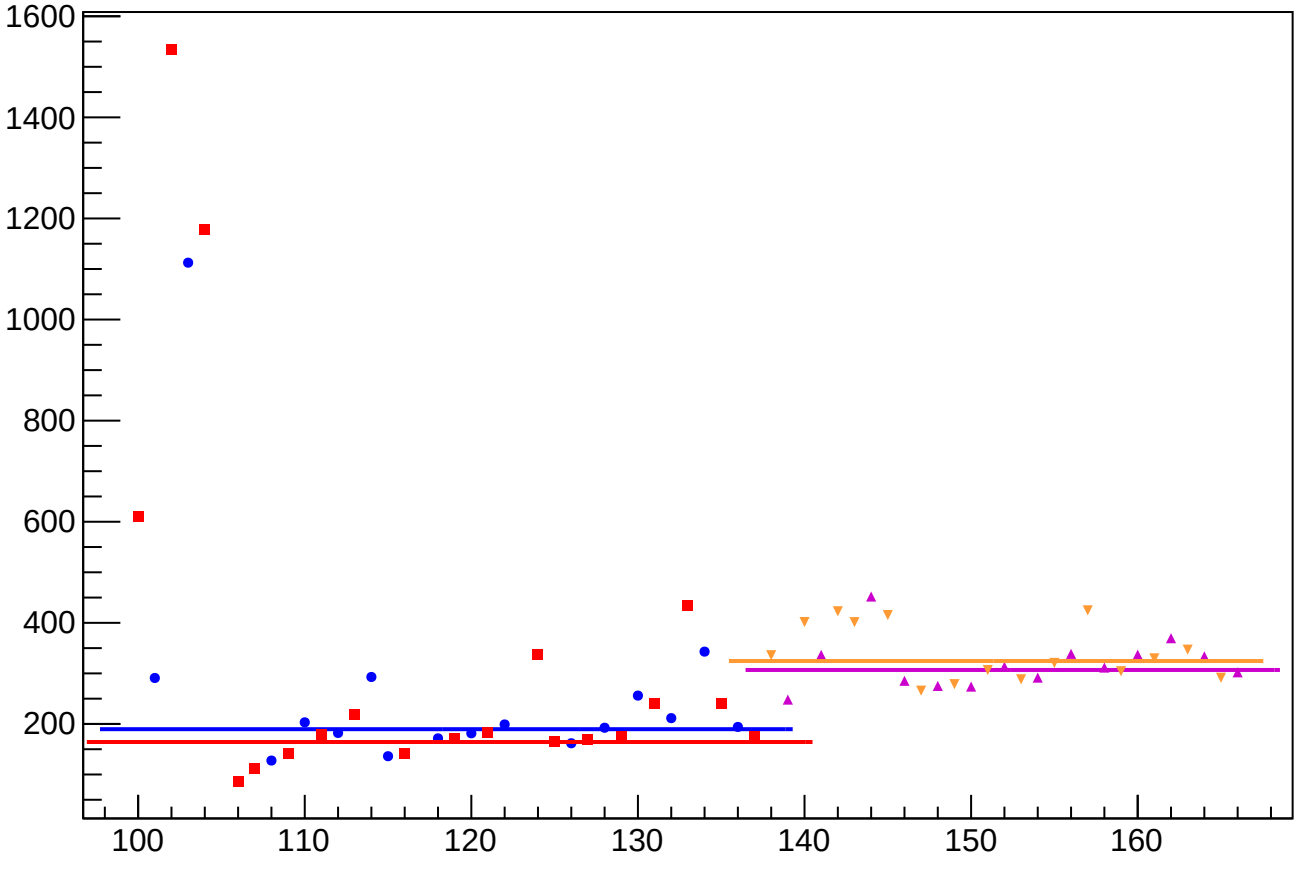
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.003+/-0.041 χ^2/NDF: 84.5/63

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 306.772+/-0.065 χ^2/NDF:428502.9/13

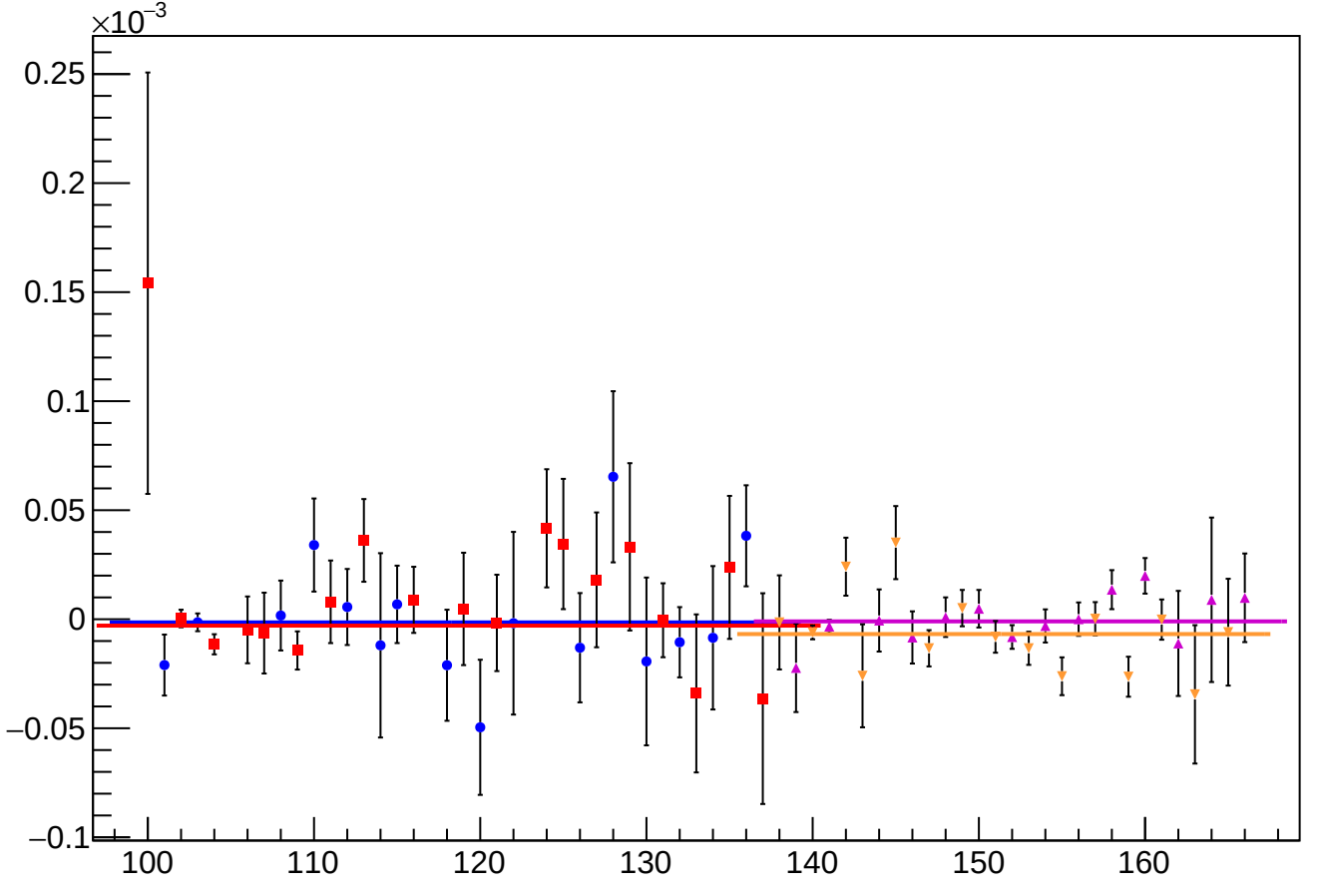
Left: 315.235+/-0.047 χ^2/NDF: 978123.6/28

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 237.343+/-0.042 χ^2/NDF:3790841.3/29

Out: 219.329+/-0.040 χ^2/NDF:6755627.7/33

All: 227.967+/-0.029 χ^2/NDF: 10643180.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

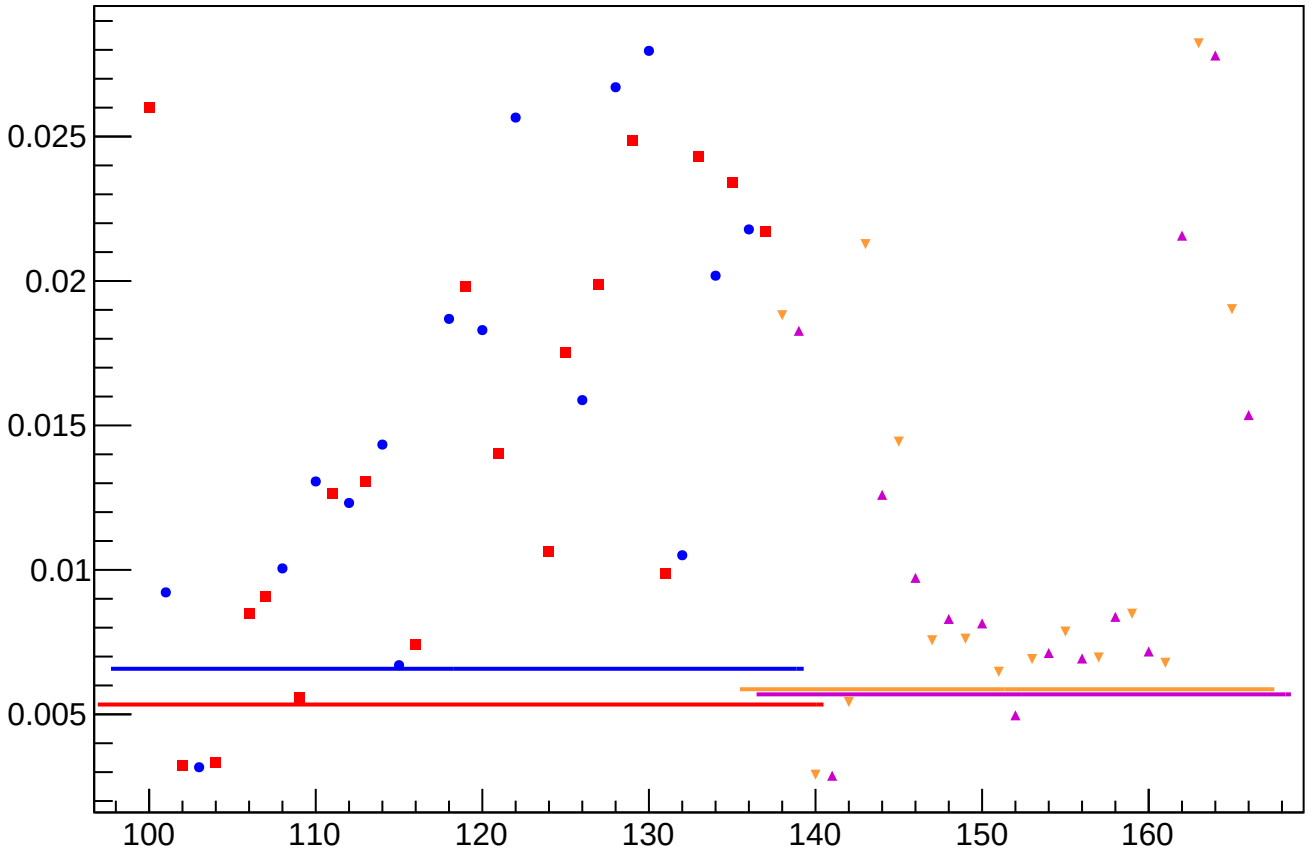
Left: -0.000+/-0.000 χ^2/NDF: 45.7/28

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:29.0/29

Out: -0.000+/-0.000 χ^2/NDF:50.2/33

All: -0.000+/-0.000 χ^2/NDF: 82.3/63



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:5956680.5/14

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:5905825.3/13

Left: 0.006+/-0.000 χ^2/NDF: 11870042.0/28

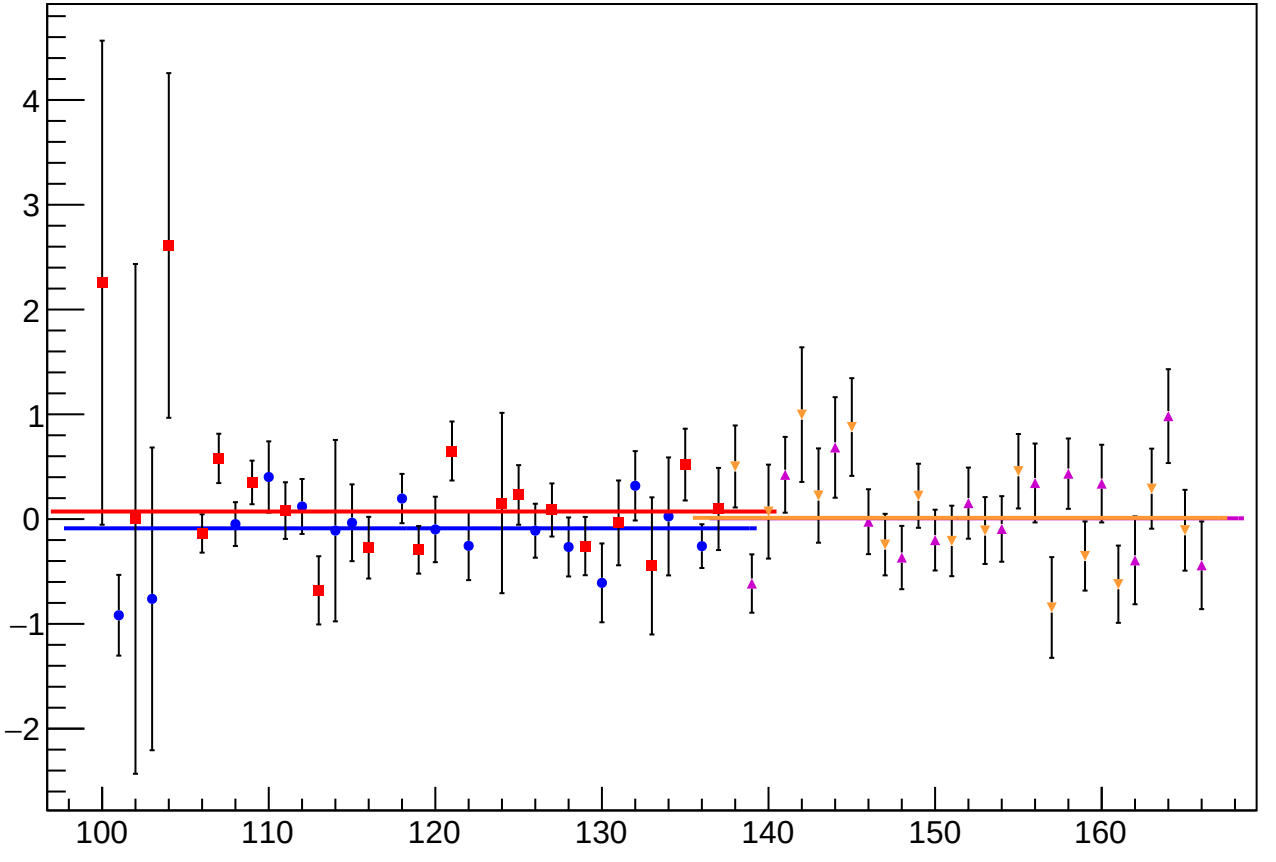
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:11938209.1/29

Out: 0.006+/-0.000 χ^2/NDF:11694214.9/33

All: 0.006+/-0.000 χ^2/NDF: 23658634.1/63

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

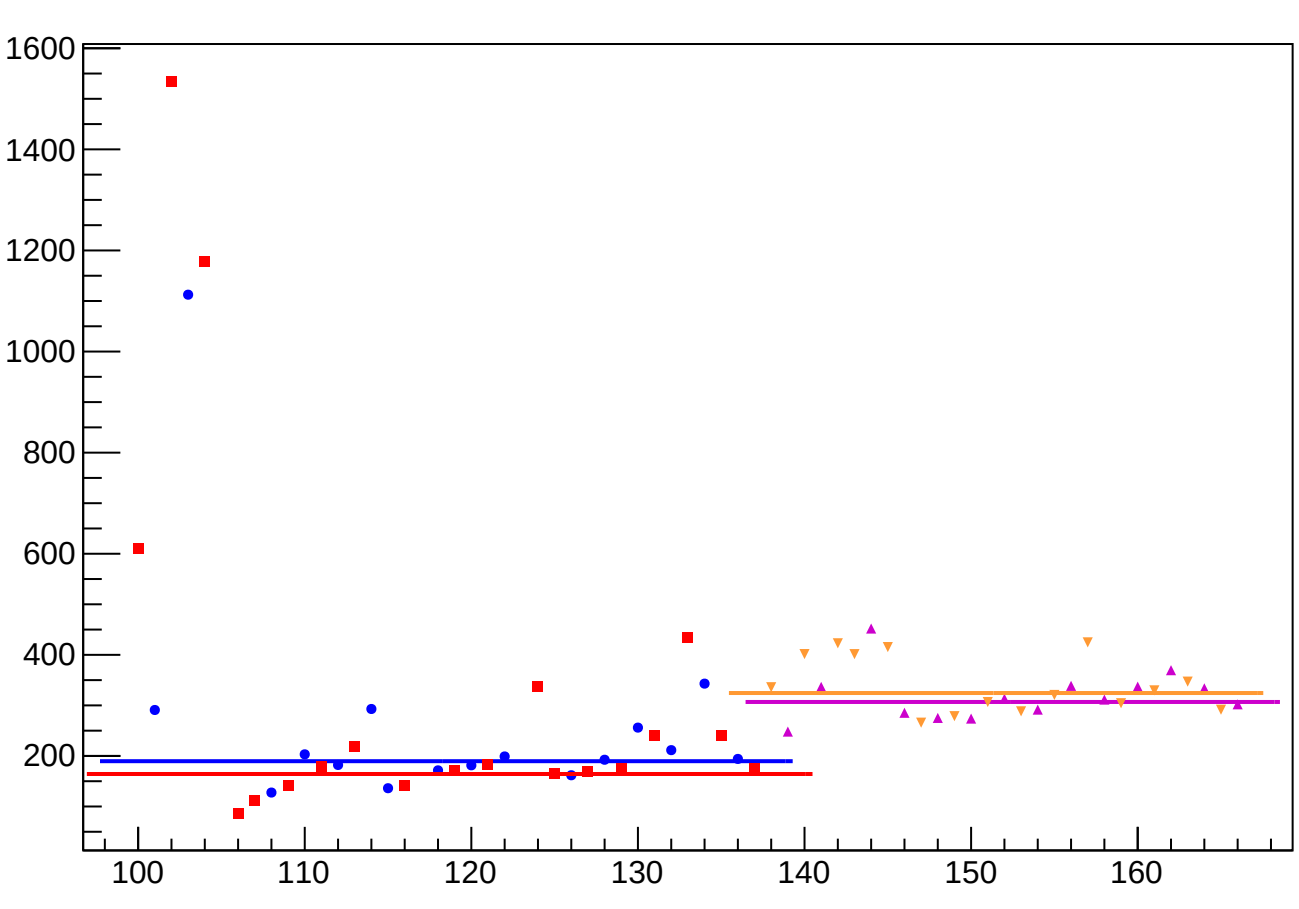
Left: 0.010+/-0.067 χ^2/NDF: 39.6/28

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.003+/-0.041 χ^2/NDF: 84.5/63



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.482+/-0.068 χ^2/NDF:514664.6/14

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 306.777+/-0.065 χ^2/NDF:428498.5/13

Left: 315.240+/-0.047 χ^2/NDF: 978110.2/28

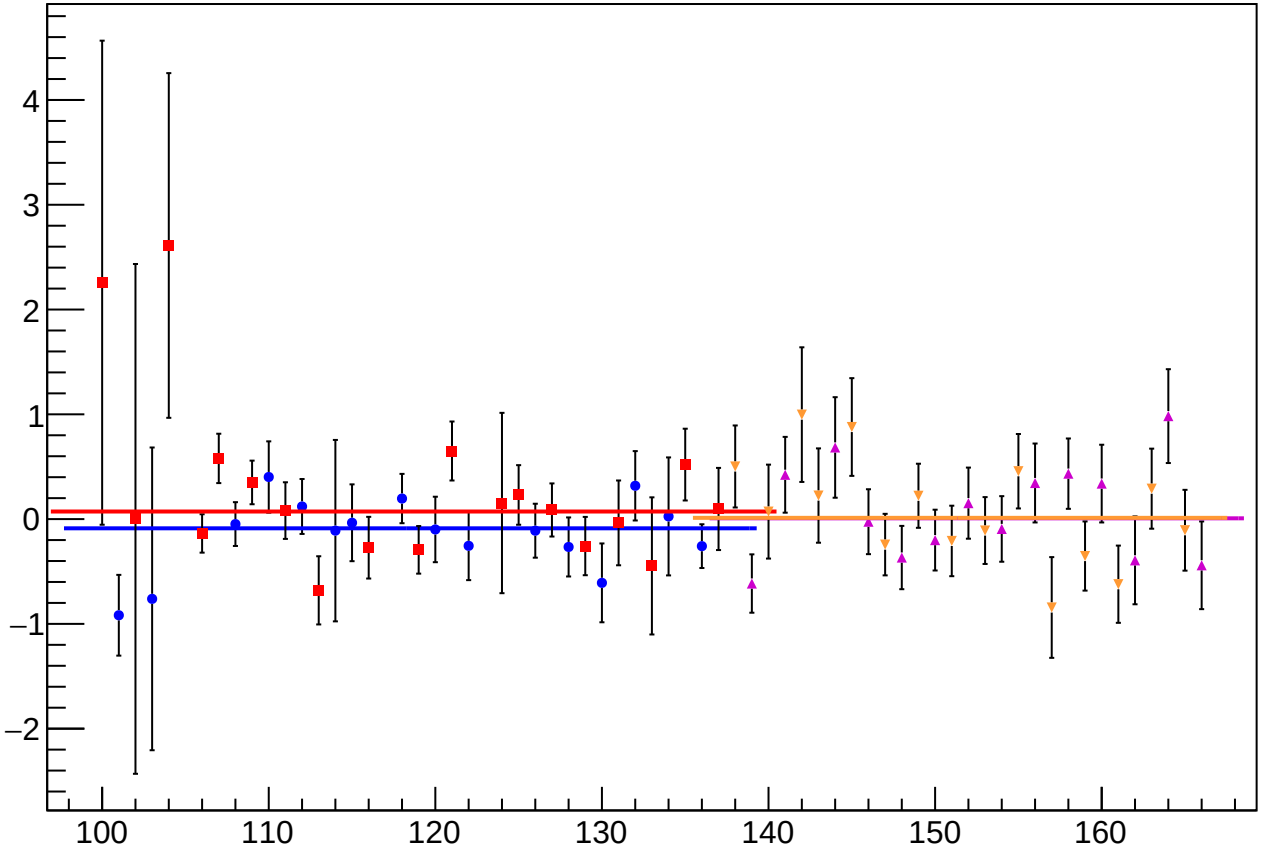
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 237.343+/-0.042 χ^2/NDF:3790966.2/29

Out: 219.329+/-0.040 χ^2/NDF:6755798.6/33

All: 227.967+/-0.029 χ^2/NDF: 10643482.0/63

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.093 χ^2/NDF:20.7/13

Left: 0.010+/-0.067 χ^2/NDF: 39.6/28

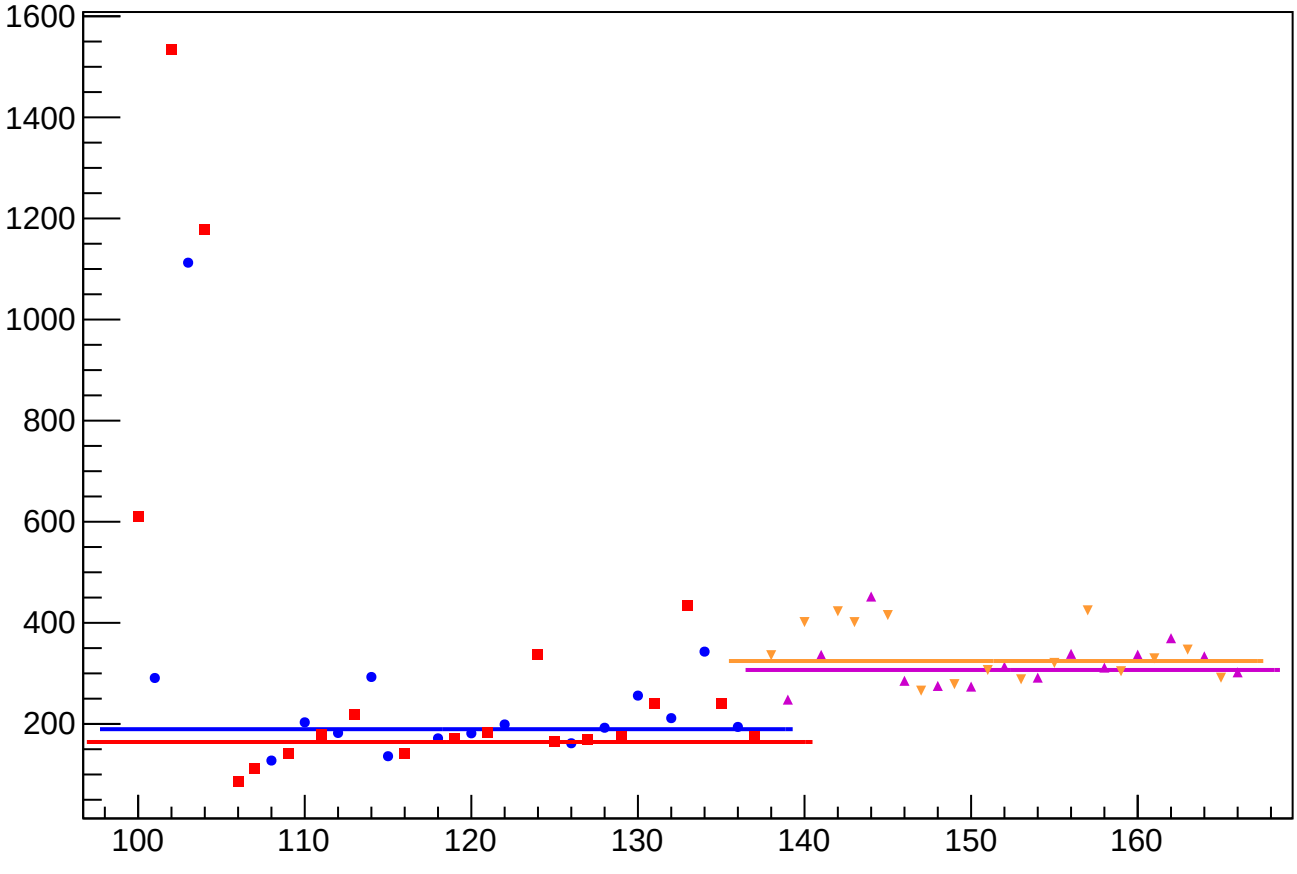
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.049+/-0.059 χ^2/NDF:35.2/29

Out: 0.052+/-0.057 χ^2/NDF:47.9/33

All: 0.003+/-0.041 χ^2/NDF: 84.5/63

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.482+/-0.068 χ^2/NDF:514664.6/14

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 306.777+/-0.065 χ^2/NDF:428498.5/13

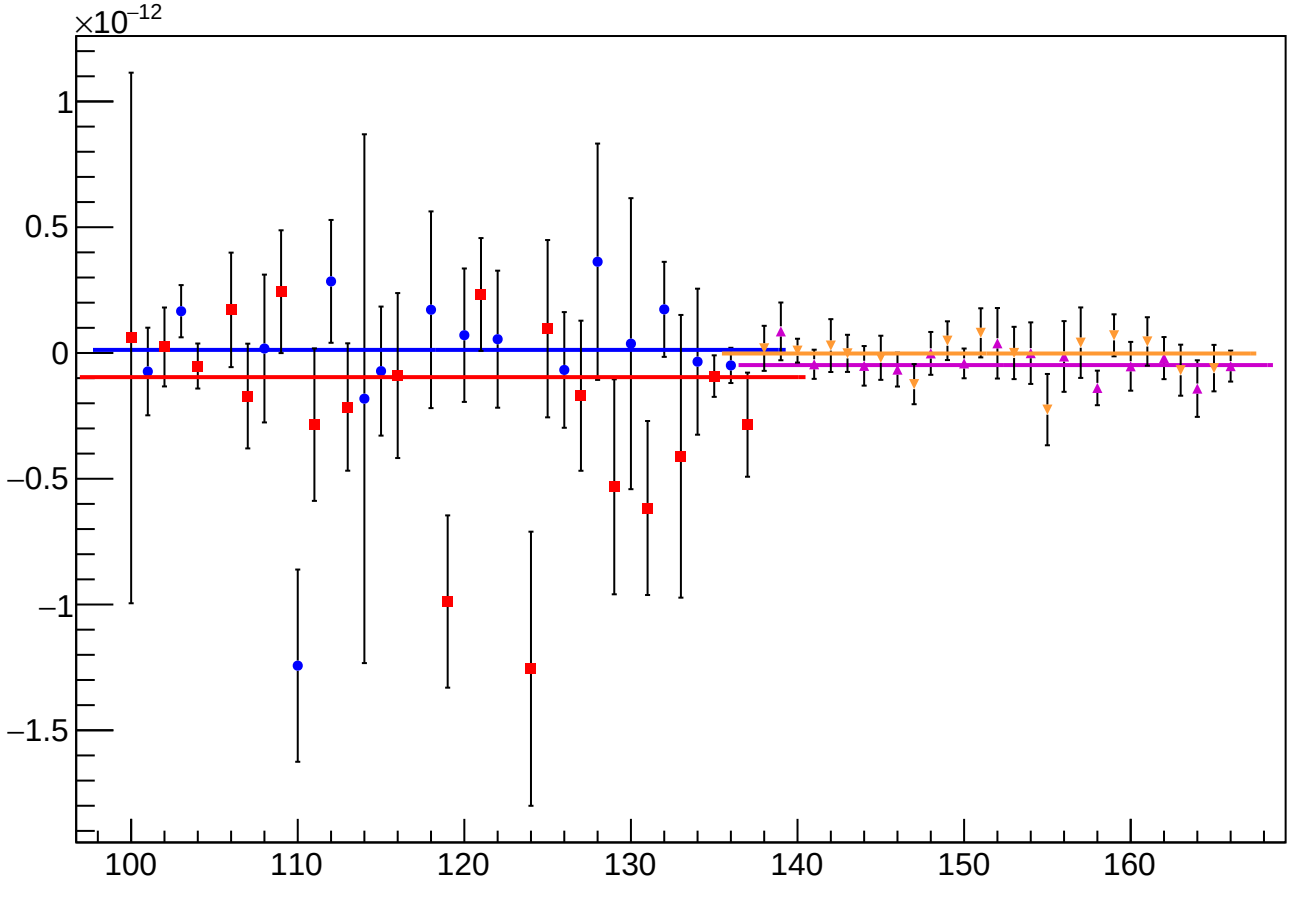
Left: 315.240+/-0.047 χ^2/NDF: 978110.2/28

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 237.343+/-0.042 χ^2/NDF:3790966.2/29

Out: 219.329+/-0.040 χ^2/NDF:6755798.6/33

All: 227.967+/-0.029 χ^2/NDF: 10643482.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/13

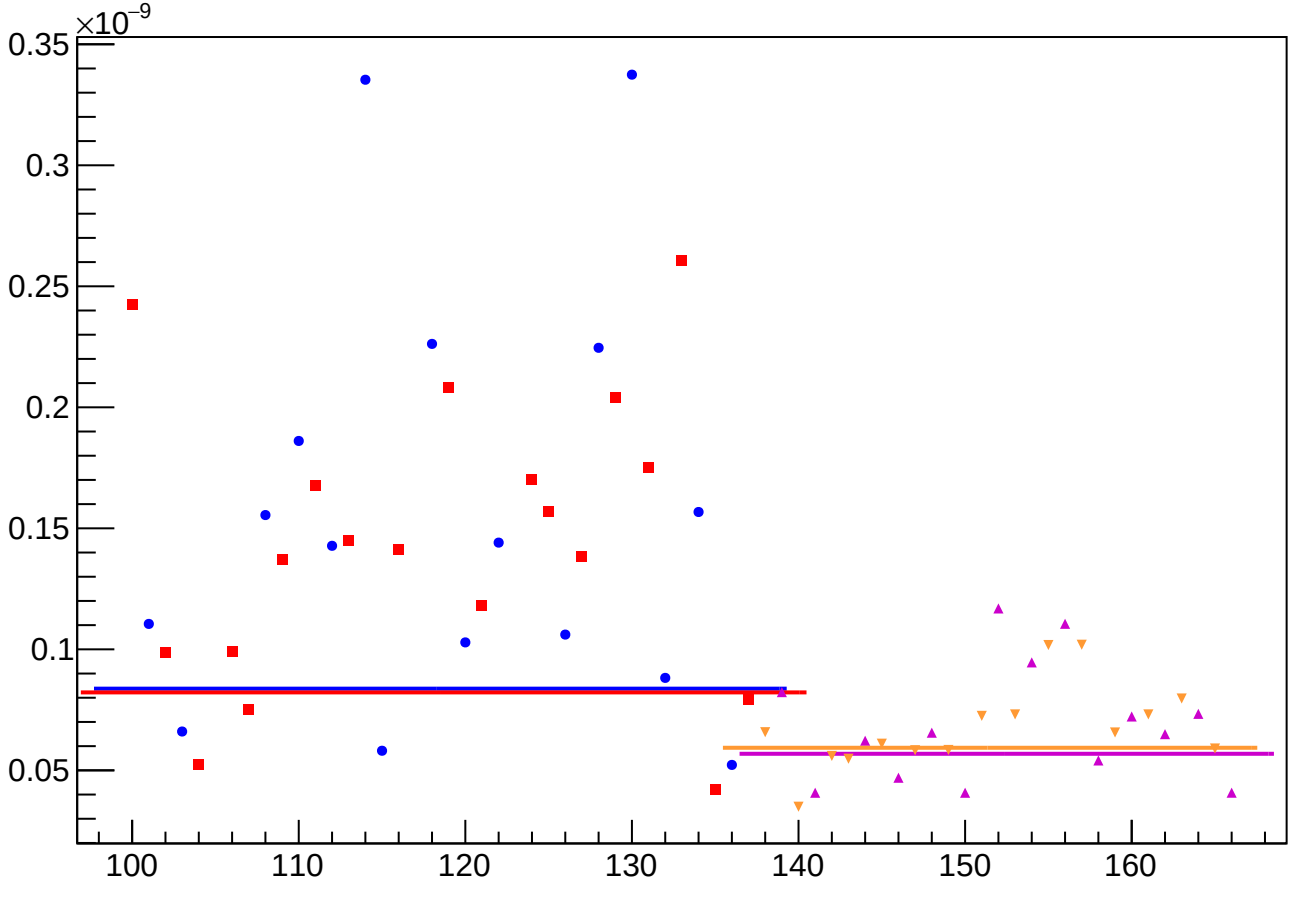
Left: -0.000+/-0.000 χ^2/NDF: 15.2/28

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: -0.000+/-0.000 χ^2/NDF:34.8/33

All: -0.000+/-0.000 χ^2/NDF: 58.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118227.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575818.2/13

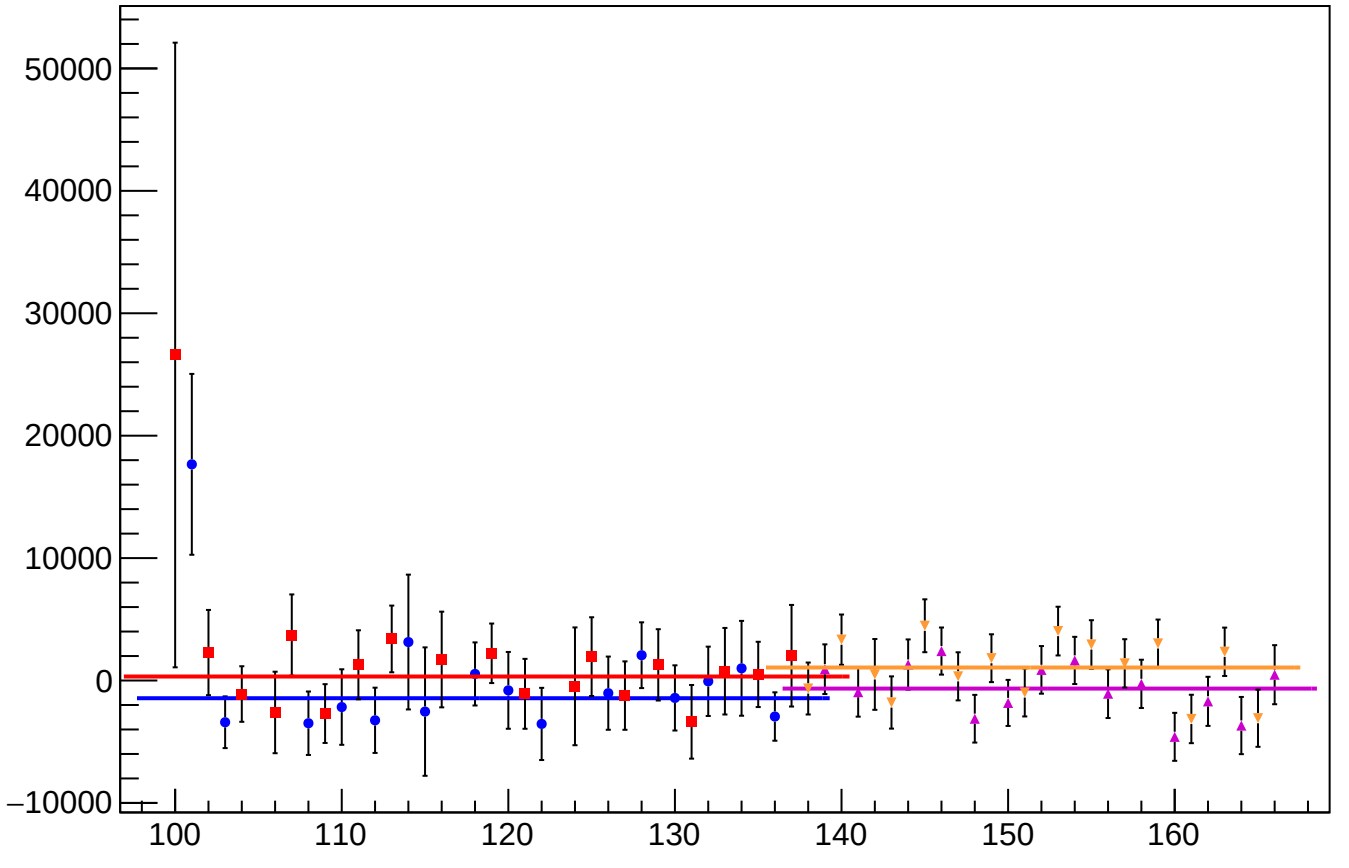
Left: 0.000+/-0.000 χ^2/NDF: 2707056.7/28

Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4254720.9/29

Out: 0.000+/-0.000 χ^2/NDF:3810977.9/33

All: 0.000+/-0.000 χ^2/NDF: 8076325.7/63



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.248+/-533.340 χ^2/NDF:19.8/14

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -659.120+/-538.166 χ^2/NDF:14.4/13

Left: 209.317+/-378.823 χ^2/NDF: 39.4/28

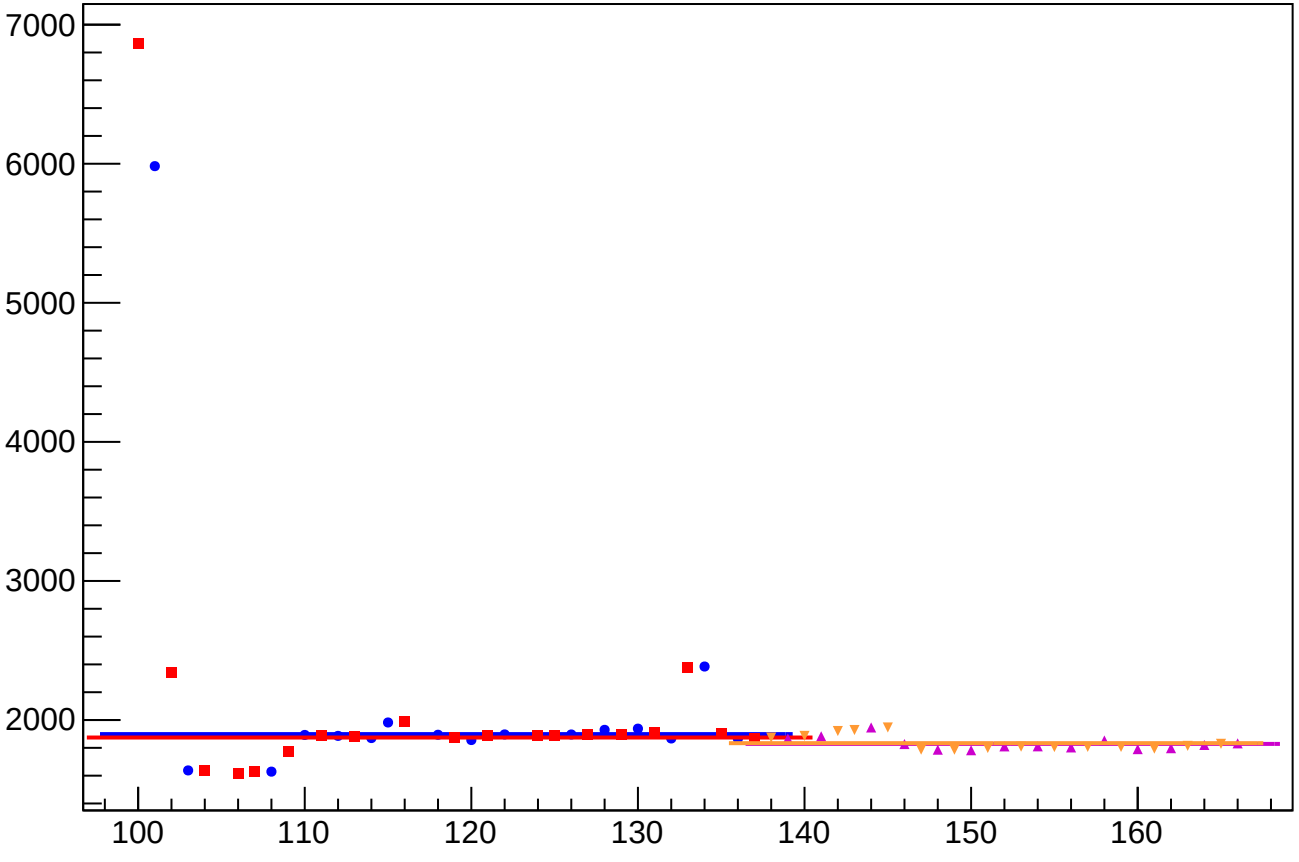
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -939.786+/-431.730 χ^2/NDF:28.7/29

Out: 793.086+/-424.821 χ^2/NDF:30.5/33

All: -59.373+/-302.807 χ^2/NDF: 67.3/63

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

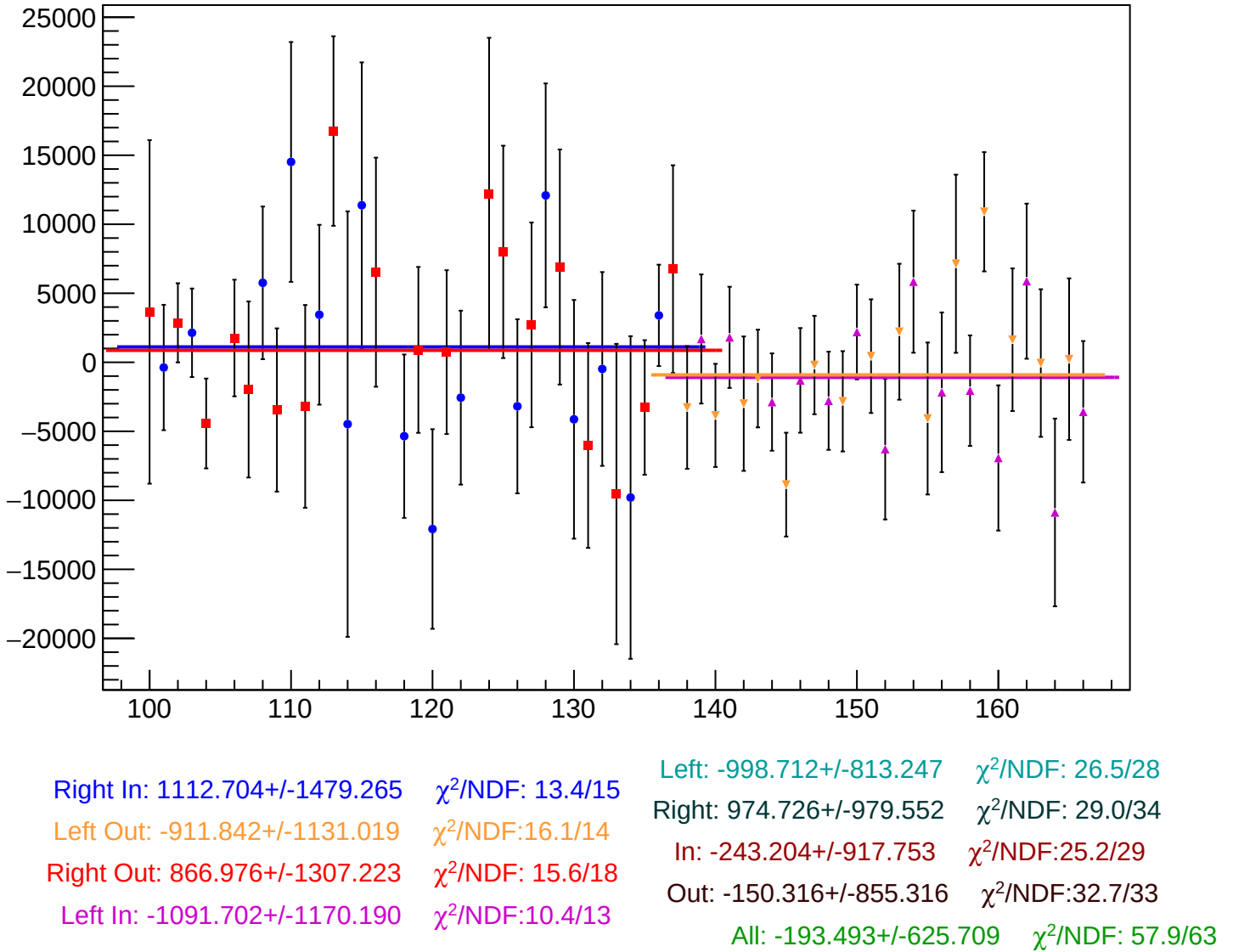
Left: 1830.977+/-0.268 χ^2/NDF: 31847.0/28

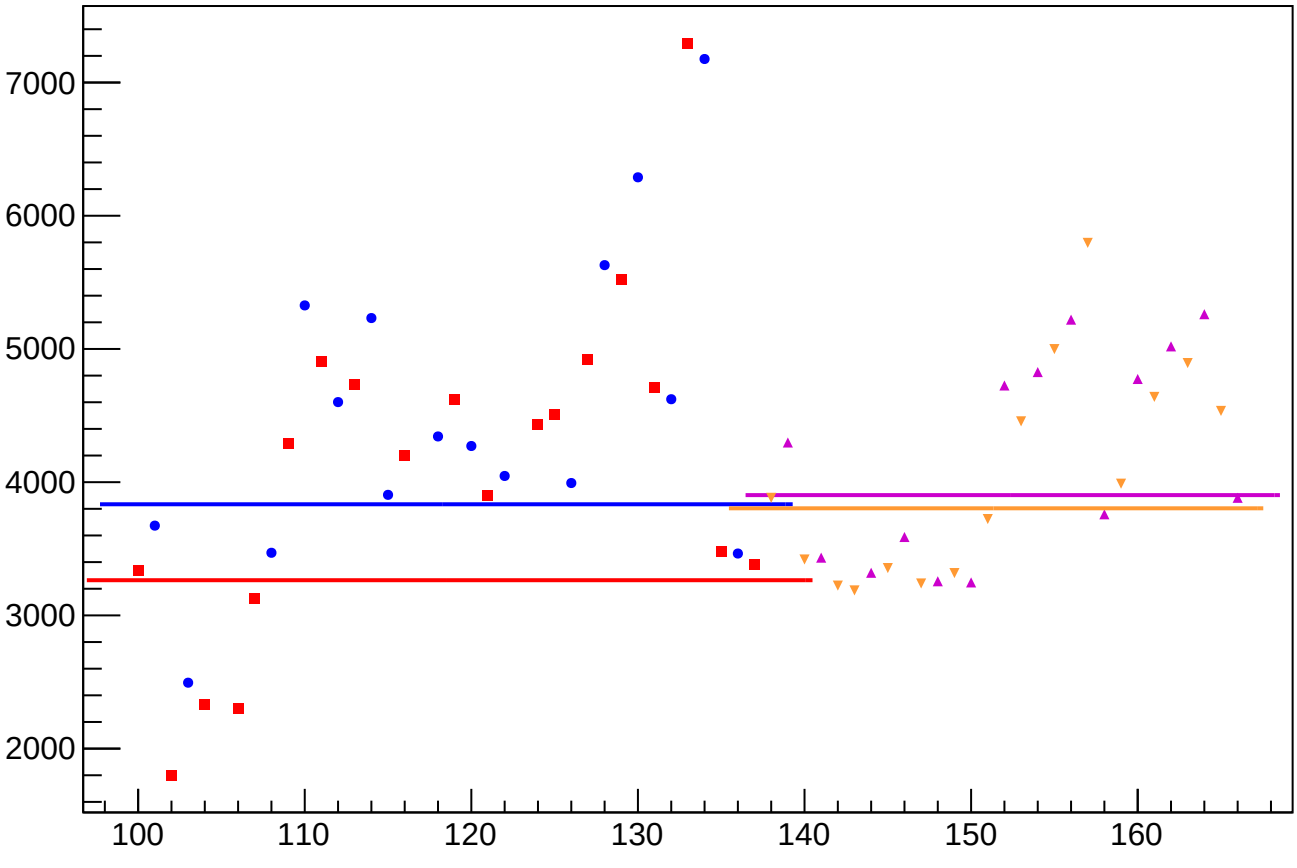
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1853.437+/-0.305 χ^2/NDF:722899.1/29

Out: 1848.528+/-0.300 χ^2/NDF:230528.7/33

All: 1850.940+/-0.214 χ^2/NDF: 953559.3/63


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -911.842+/-1131.019 χ²/NDF:16.1/14
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -1091.702+/-1170.190 χ²/NDF:10.4/13
Left: -998.712+/-813.247 χ²/NDF: 26.5/28
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -243.204+/-917.753 χ²/NDF:25.2/29
Out: -150.316+/-855.316 χ²/NDF:32.7/33
All: -193.493+/-625.709 χ²/NDF: 57.9/63



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3803.858+/-0.800 χ^2/NDF:716240.3/14

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3902.927+/-0.827 χ^2/NDF:691127.0/13

Left: 3851.706+/-0.575 χ^2/NDF: 1414778.8/28

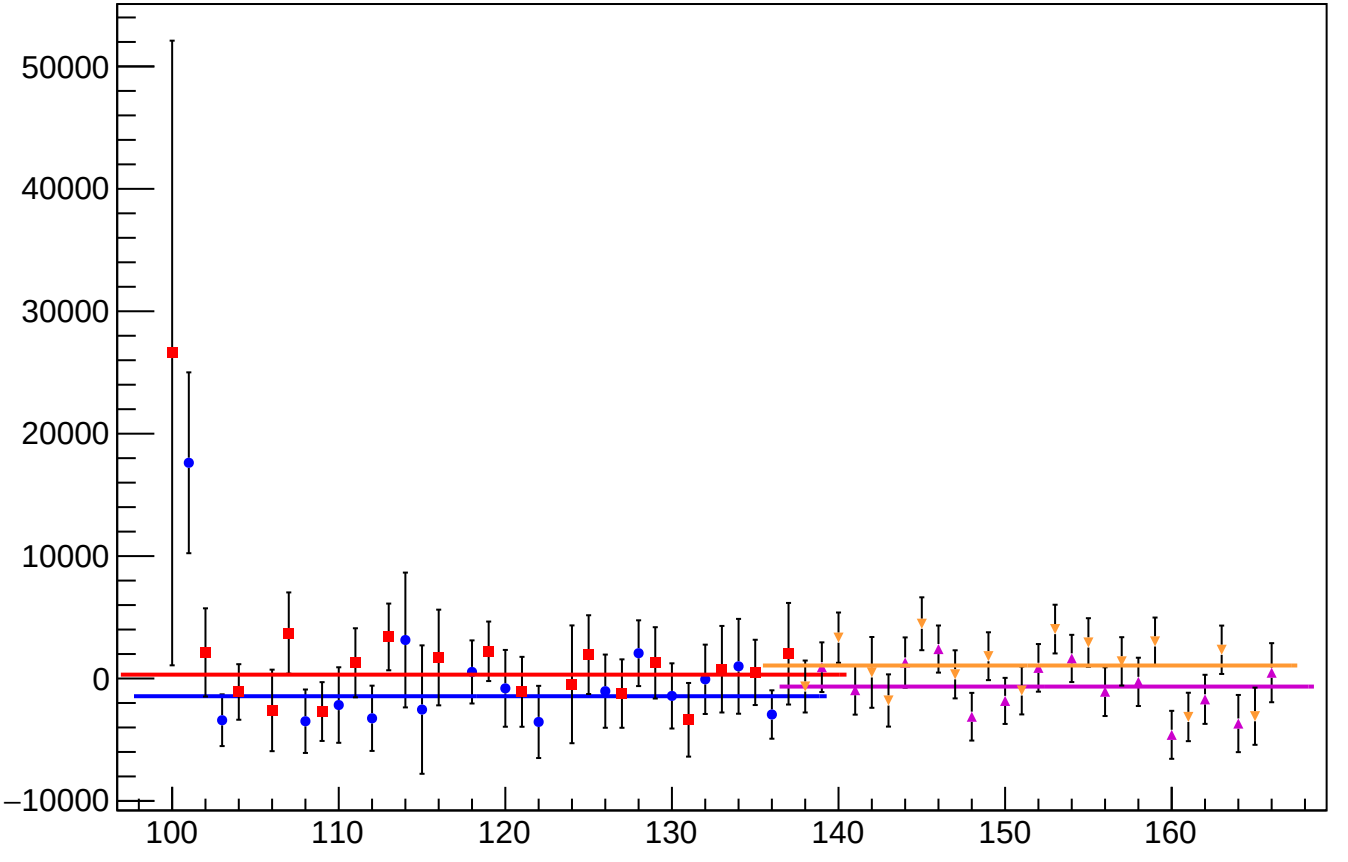
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3876.459+/-0.649 χ^2/NDF:1650560.8/29

Out: 3572.787+/-0.605 χ^2/NDF:2775477.6/33

All: 3713.943+/-0.442 χ^2/NDF: 4543225.6/63

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -659.107+/-538.166 χ^2/NDF:14.4/13

Left: 209.389+/-378.823 χ^2/NDF: 39.4/28

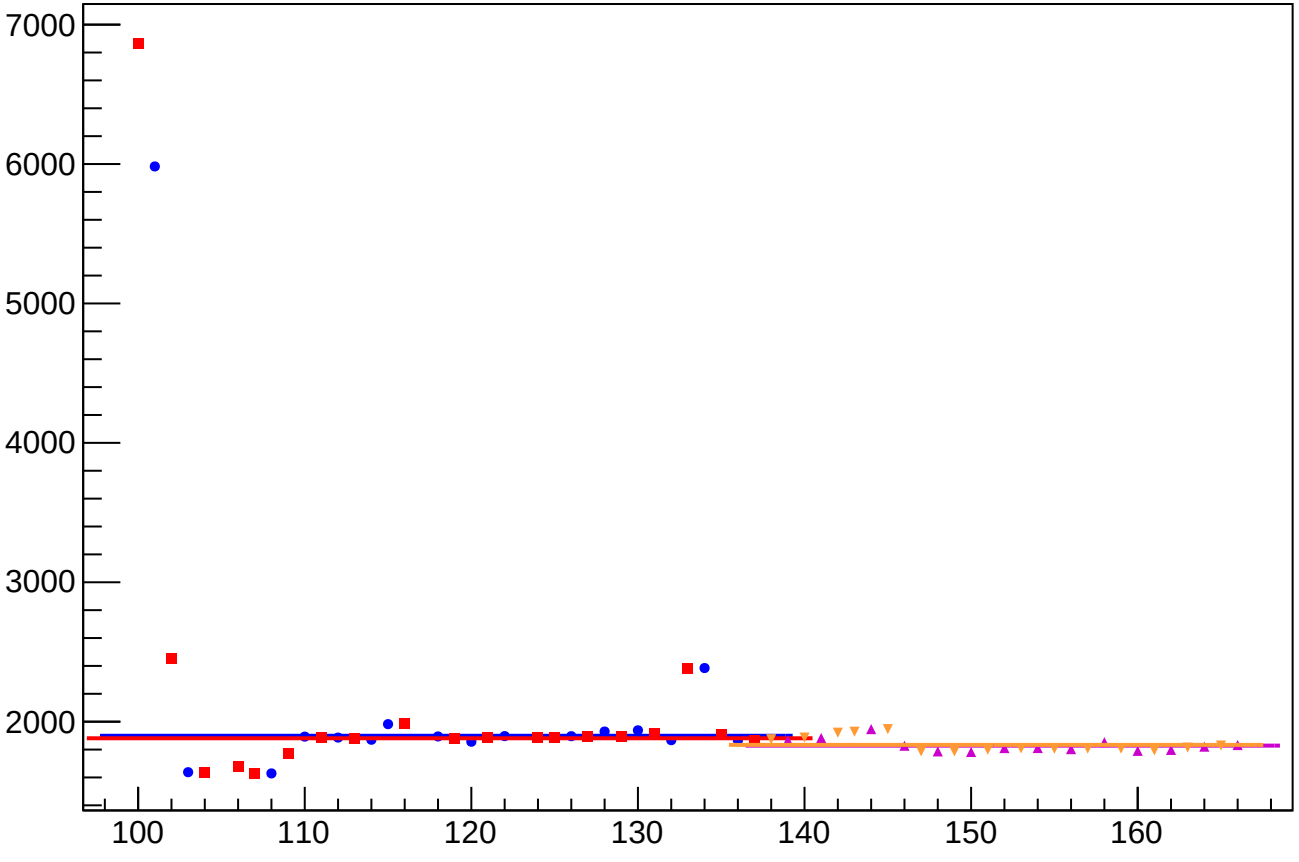
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -939.915+/-431.730 χ^2/NDF:28.6/29

Out: 789.817+/-425.030 χ^2/NDF:30.4/33

All: -61.523+/-302.883 χ^2/NDF: 67.2/63

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

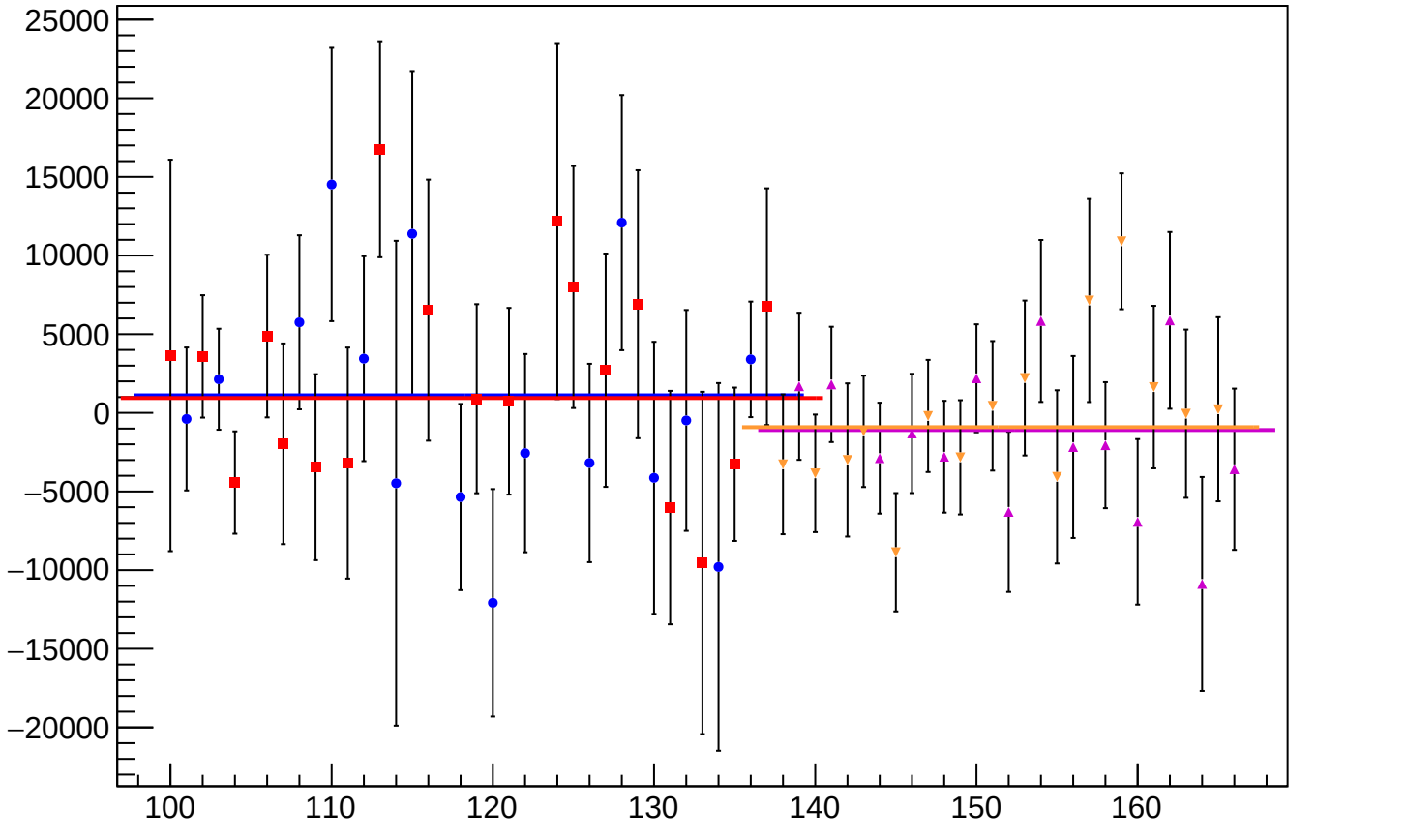
Left: 1830.977+/-0.268 χ^2/NDF: 31847.0/28

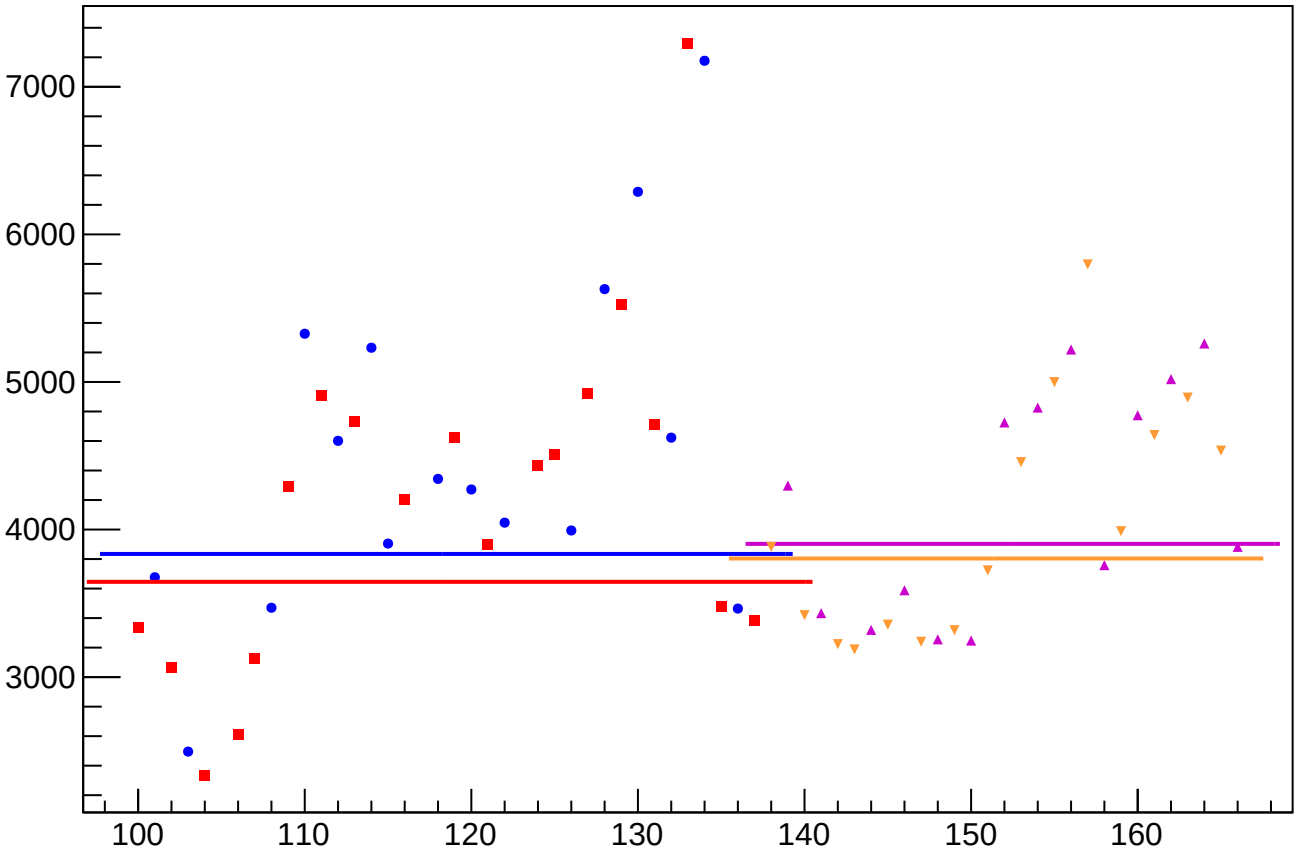
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1853.437+/-0.305 χ^2/NDF:722899.2/29

Out: 1850.938+/-0.300 χ^2/NDF:240947.2/33

All: 1852.167+/-0.214 χ^2/NDF: 963880.4/63


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -911.798+/-1131.017 χ²/NDF:16.1/14
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -1091.783+/-1170.189 χ²/NDF:10.4/13
Left: -998.727+/-813.246 χ²/NDF: 26.5/28
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -243.827+/-917.794 χ²/NDF:25.2/29
Out: -179.581+/-879.539 χ²/NDF:33.3/33
All: -210.337+/-635.021 χ²/NDF: 58.5/63



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3803.854+/-0.800 χ^2/NDF:716234.9/14

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3902.921+/-0.827 χ^2/NDF:691140.8/13

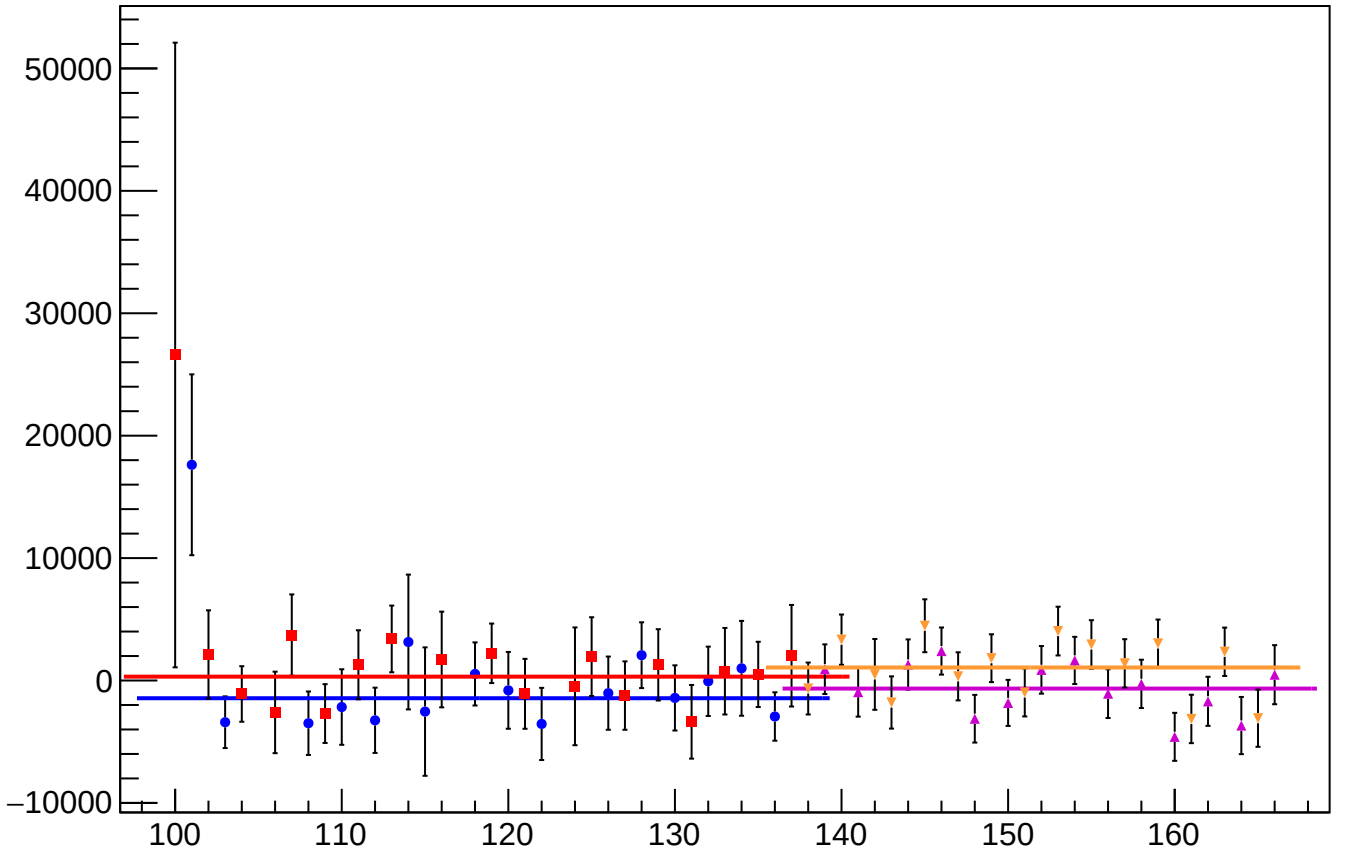
Left: 3851.702+/-0.575 χ^2/NDF: 1414786.8/28

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.662+/-0.649 χ^2/NDF:1650069.9/29

Out: 3741.338+/-0.622 χ^2/NDF:1856675.5/33

All: 3806.121+/-0.449 χ^2/NDF: 3529410.3/63



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -659.107+/-538.166 χ^2/NDF:14.4/13

Left: 209.389+/-378.823 χ^2/NDF: 39.4/28

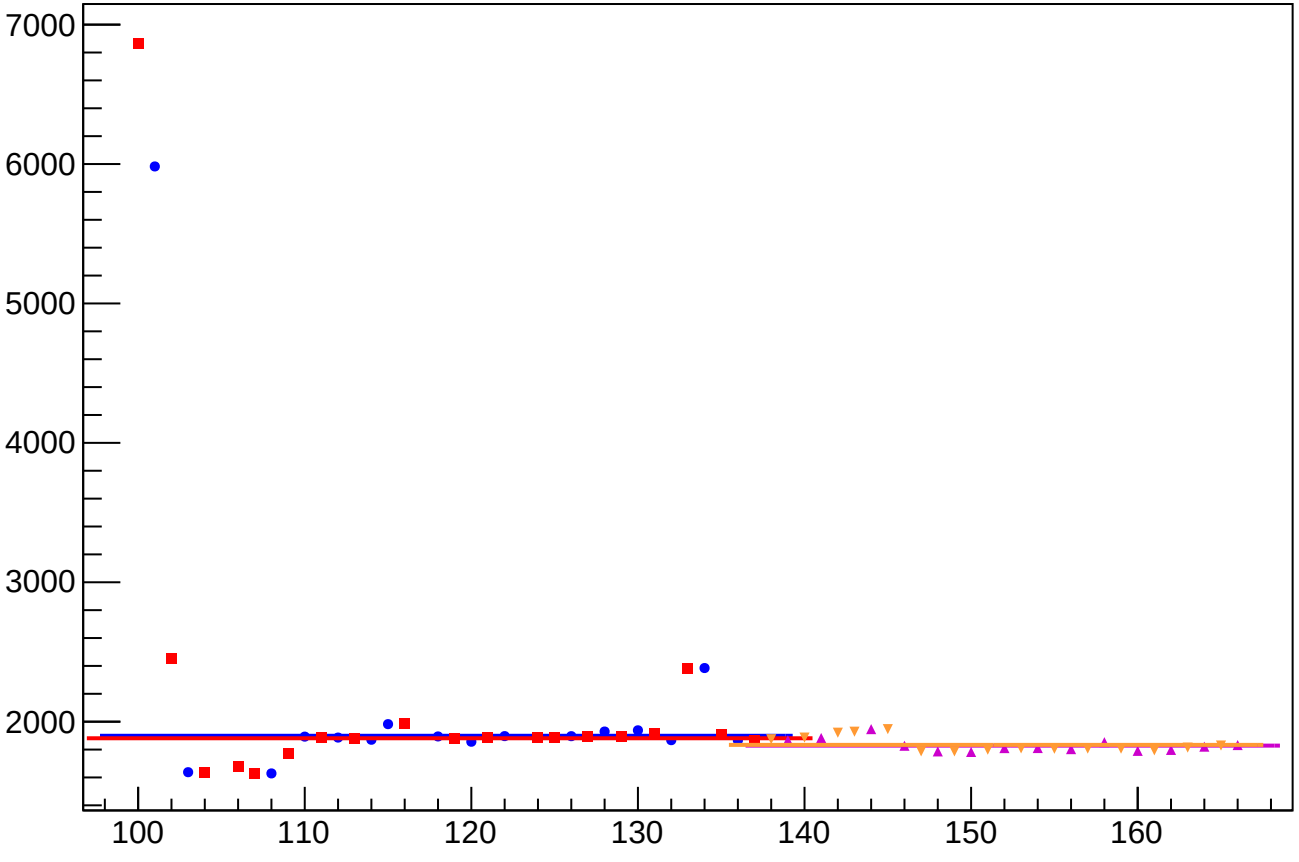
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -939.915+/-431.730 χ^2/NDF:28.6/29

Out: 789.817+/-425.030 χ^2/NDF:30.4/33

All: -61.523+/-302.883 χ^2/NDF: 67.2/63

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.298+/-0.381 χ^2/NDF:13141.6/13

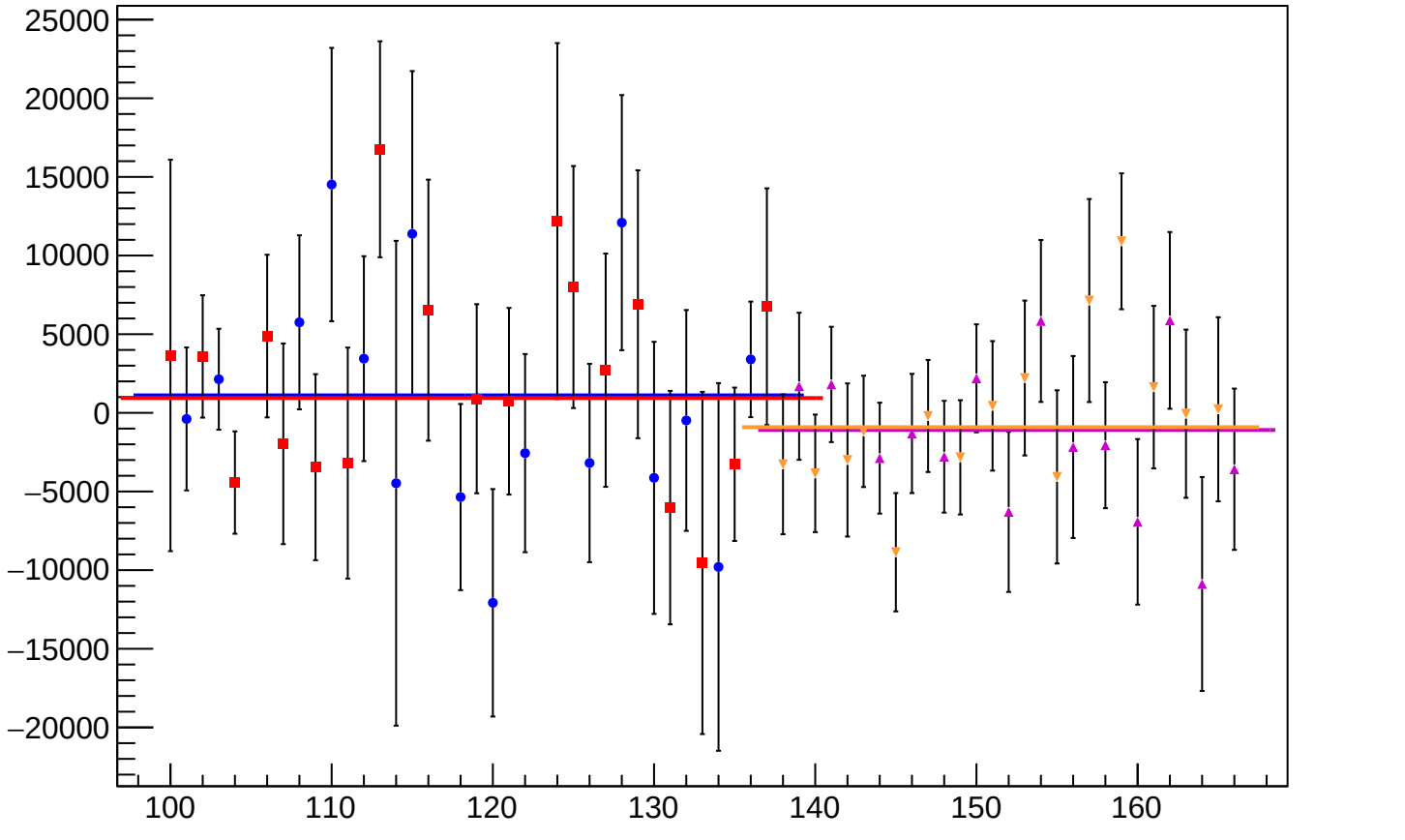
Left: 1830.977+/-0.268 χ^2/NDF: 31847.0/28

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1853.437+/-0.305 χ^2/NDF:722899.2/29

Out: 1850.938+/-0.300 χ^2/NDF:240947.2/33

All: 1852.167+/-0.214 χ^2/NDF: 963880.4/63



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -911.798+/-1131.017 χ^2/NDF:16.1/14

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -1091.783+/-1170.189 χ^2/NDF:10.4/13

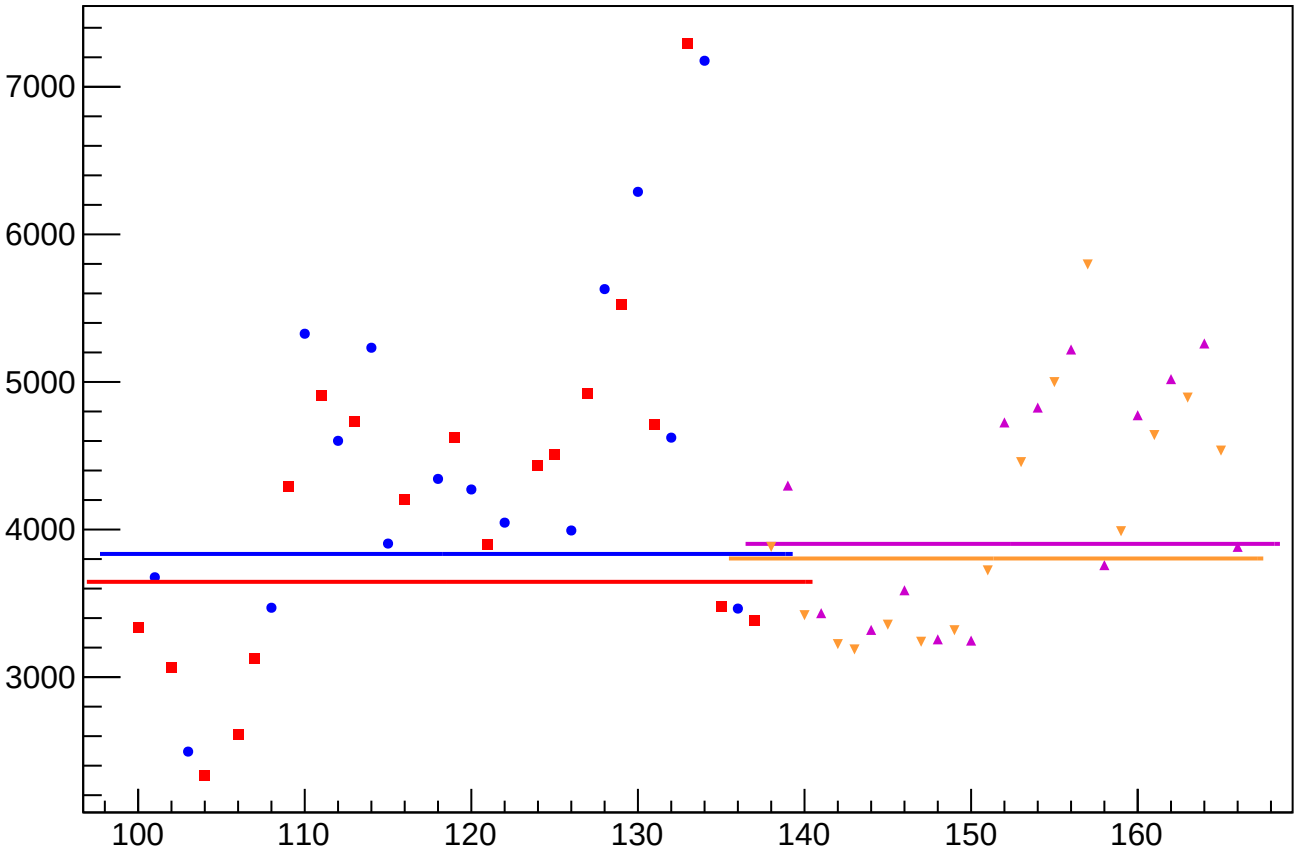
Left: -998.727+/-813.246 χ^2/NDF: 26.5/28

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -243.827+/-917.794 χ^2/NDF:25.2/29

Out: -179.581+/-879.539 χ^2/NDF:33.3/33

All: -210.337+/-635.021 χ^2/NDF: 58.5/63



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3803.854+/-0.800 χ^2/NDF:716234.9/14

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3902.921+/-0.827 χ^2/NDF:691140.8/13

Left: 3851.702+/-0.575 χ^2/NDF: 1414786.8/28

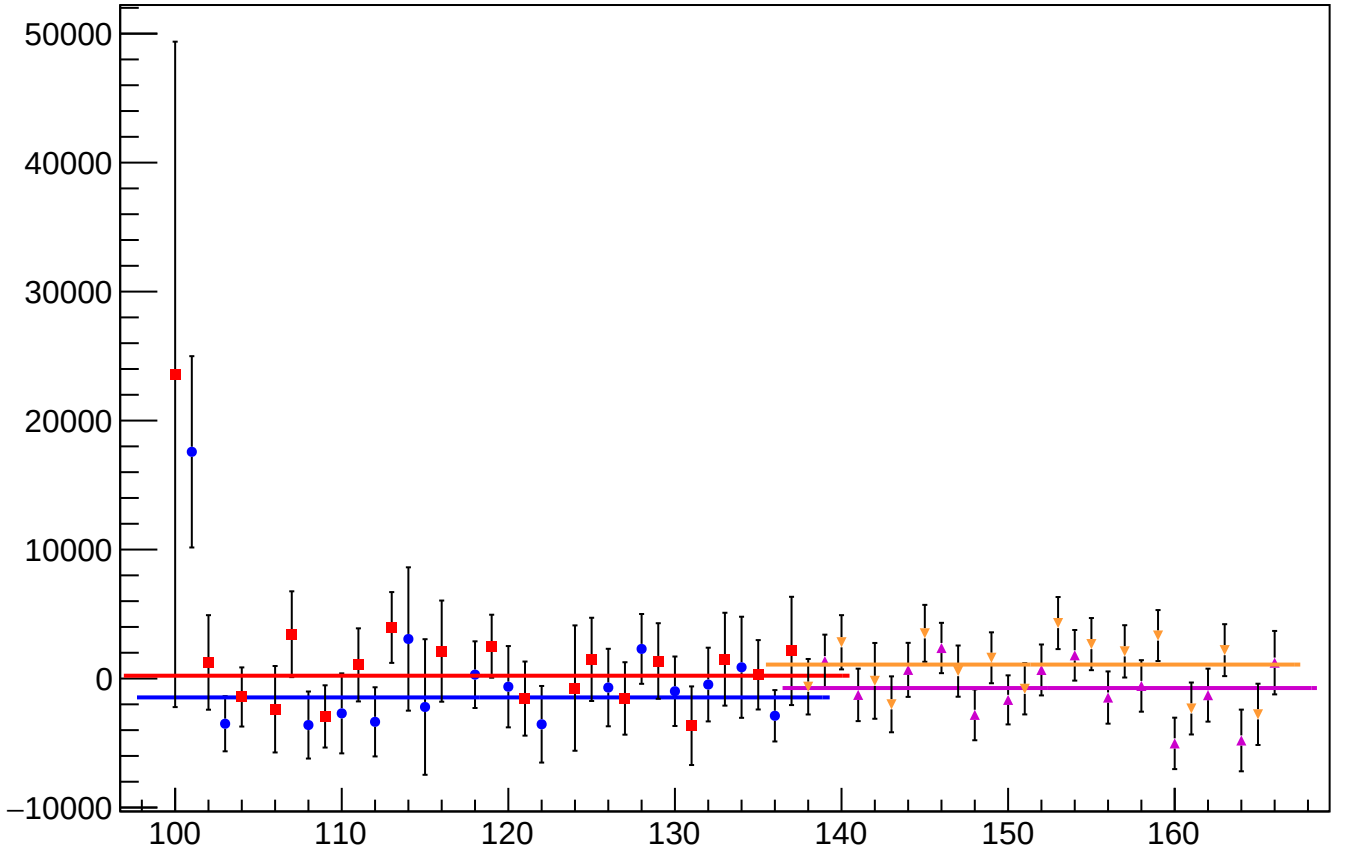
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.662+/-0.649 χ^2/NDF:1650069.9/29

Out: 3741.338+/-0.622 χ^2/NDF:1856675.5/33

All: 3806.121+/-0.449 χ^2/NDF: 3529410.3/63

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.375+/-542.317 χ^2/NDF:16.3/14

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -736.281+/-546.929 χ^2/NDF:16.0/13

Left: 181.252+/-385.096 χ^2/NDF: 37.8/28

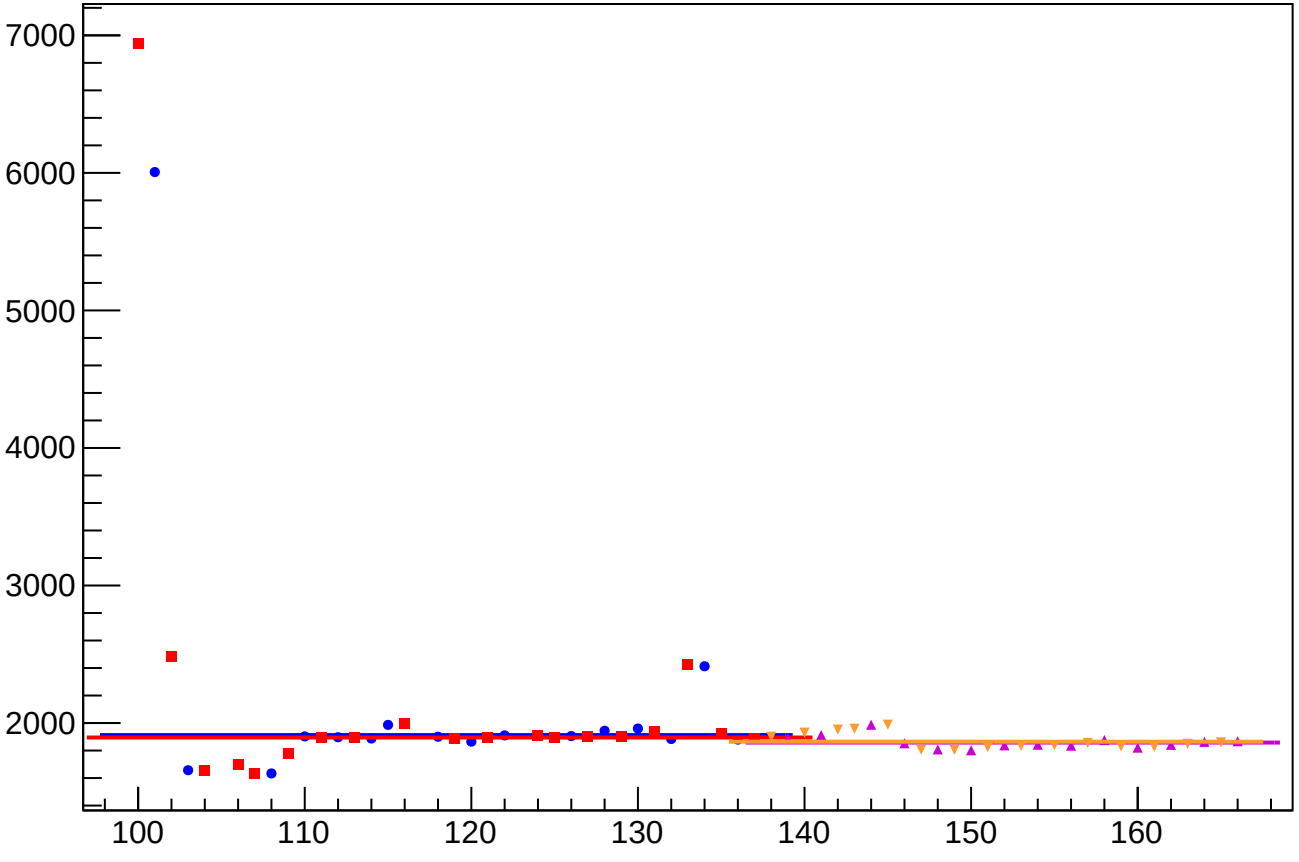
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -998.213+/-437.335 χ^2/NDF:30.2/29

Out: 764.504+/-430.719 χ^2/NDF:28.0/33

All: -103.422+/-306.877 χ^2/NDF: 66.4/63

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20915.0/14

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.984+/-0.387 χ^2/NDF:14195.5/13

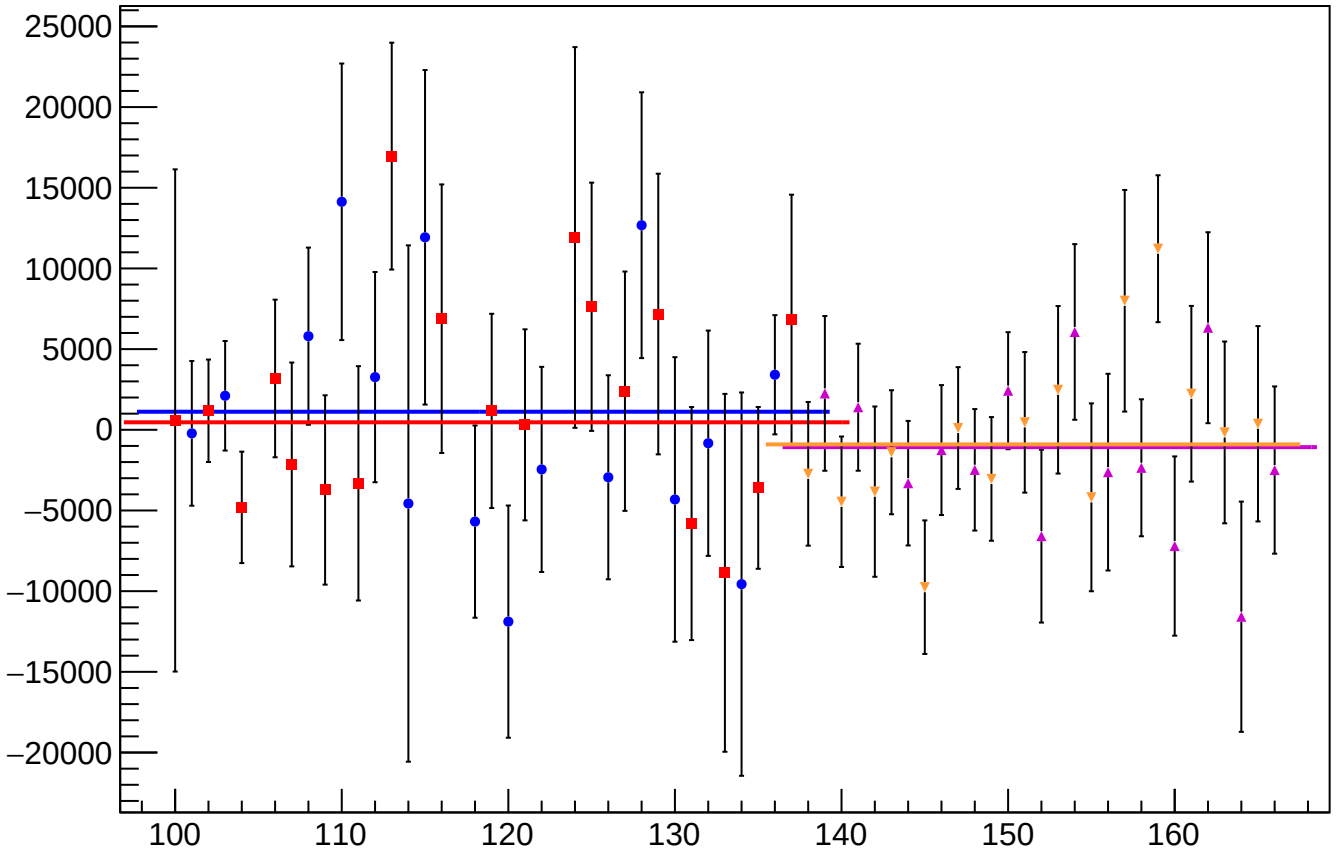
Left: 1861.187+/-0.272 χ^2/NDF: 35246.4/28

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1877.599+/-0.309 χ^2/NDF:717549.3/29

Out: 1875.586+/-0.304 χ^2/NDF:243024.4/33

All: 1876.577+/-0.217 χ^2/NDF: 960595.3/63



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -904.018+/-1200.964 χ^2/NDF:16.2/14

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -1075.413+/-1238.099 χ^2/NDF:10.2/13

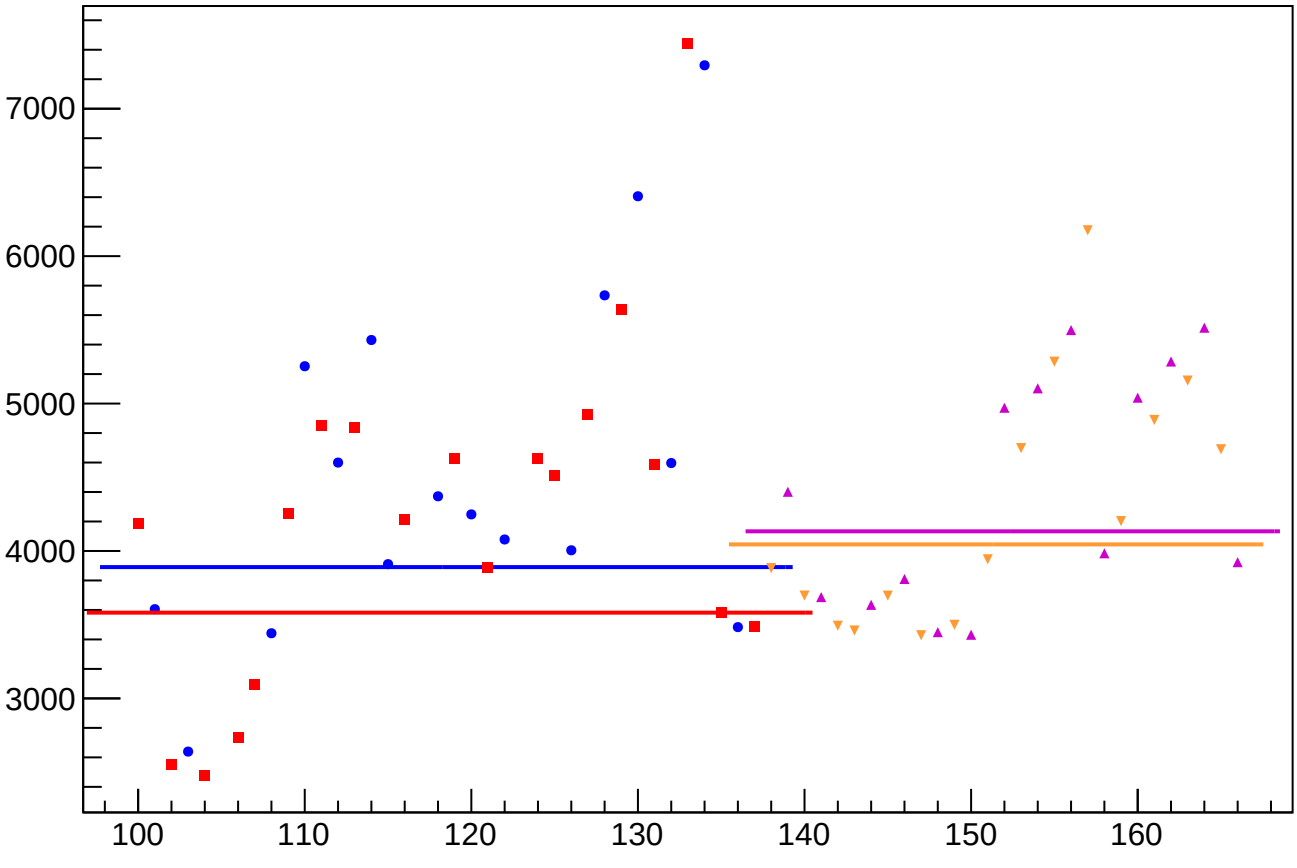
Left: -987.107+/-862.039 χ^2/NDF: 26.5/28

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: -184.080+/-954.248 χ^2/NDF:25.0/29

Out: -309.808+/-903.328 χ^2/NDF:31.8/33

All: -250.388+/-656.012 χ^2/NDF: 56.8/63



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4044.645+/-0.849 χ^2/NDF:660436.8/14

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4133.359+/-0.875 χ^2/NDF:641718.1/13

Left: 4087.652+/-0.610 χ^2/NDF: 1307445.5/28

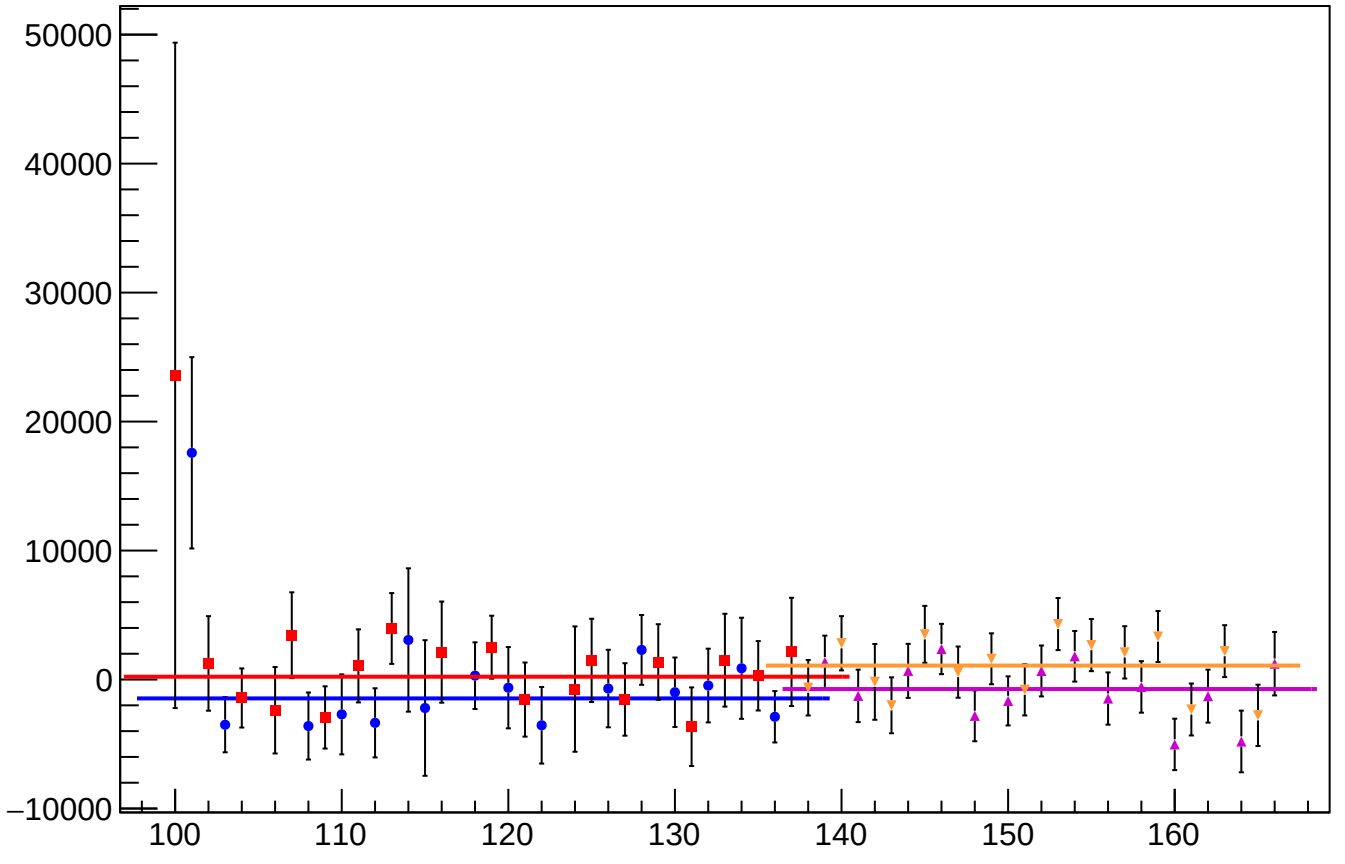
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4034.851+/-0.675 χ^2/NDF:1551323.3/29

Out: 3843.650+/-0.639 χ^2/NDF:2011298.0/33

All: 3934.013+/-0.464 χ^2/NDF: 3604968.2/63

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.385+/-542.317 χ^2/NDF:16.3/14

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -736.283+/-546.929 χ^2/NDF:16.0/13

Left: 181.257+/-385.096 χ^2/NDF: 37.8/28

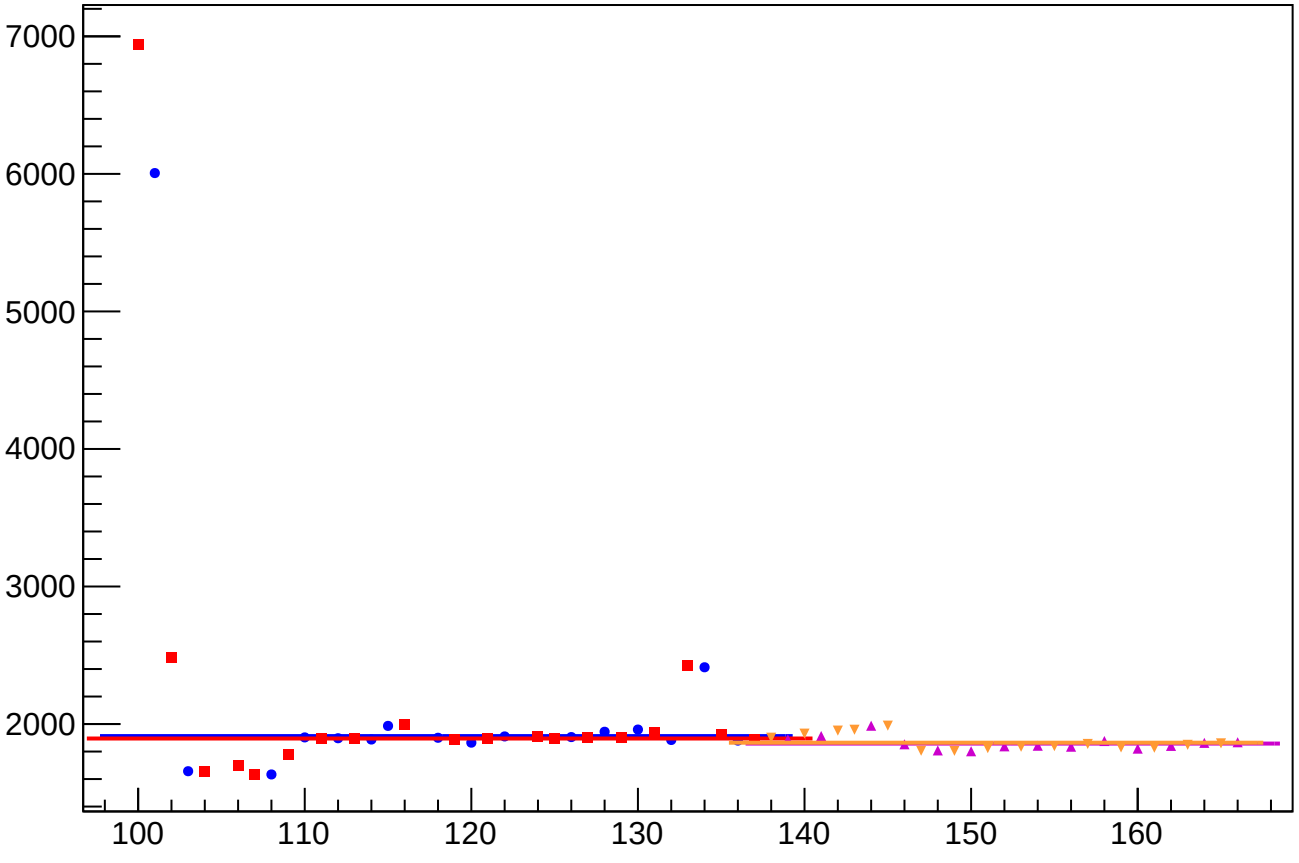
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -998.217+/-437.335 χ^2/NDF:30.2/29

Out: 764.508+/-430.719 χ^2/NDF:28.0/33

All: -103.421+/-306.877 χ^2/NDF: 66.4/63

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20914.9/14

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.985+/-0.387 χ^2/NDF:14195.4/13

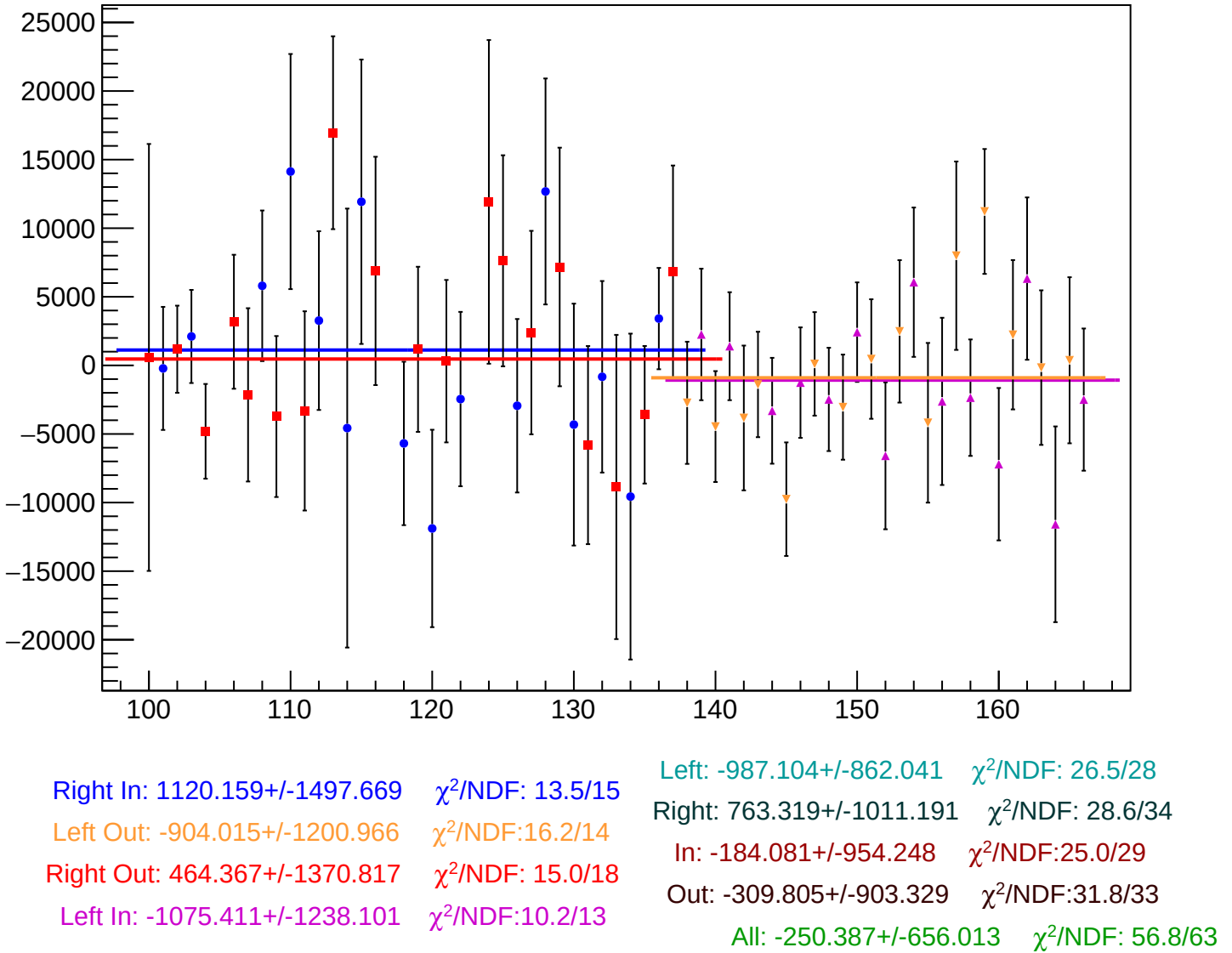
Left: 1861.188+/-0.272 χ^2/NDF: 35246.3/28

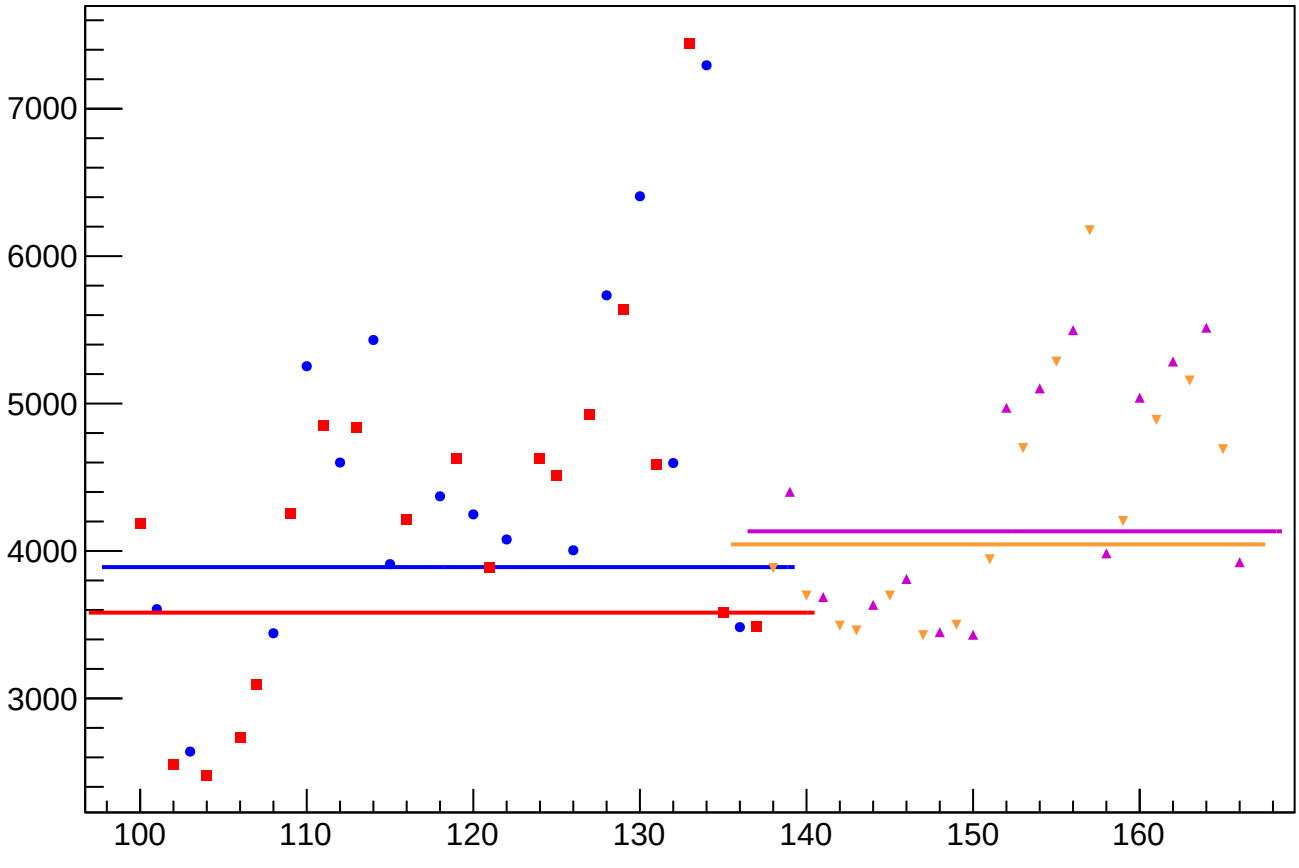
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1877.600+/-0.309 χ^2/NDF:717548.9/29

Out: 1875.586+/-0.304 χ^2/NDF:243024.2/33

All: 1876.577+/-0.217 χ^2/NDF: 960594.6/63


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -904.015+/-1200.966 χ²/NDF:16.2/14
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -1075.411+/-1238.101 χ²/NDF:10.2/13
Left: -987.104+/-862.041 χ²/NDF: 26.5/28
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: -184.081+/-954.248 χ²/NDF:25.0/29
Out: -309.805+/-903.329 χ²/NDF:31.8/33
All: -250.387+/-656.013 χ²/NDF: 56.8/63



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4044.651+/-0.849 χ^2/NDF:660438.1/14

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4133.366+/-0.875 χ^2/NDF:641719.2/13

Left: 4087.658+/-0.610 χ^2/NDF: 1307447.8/28

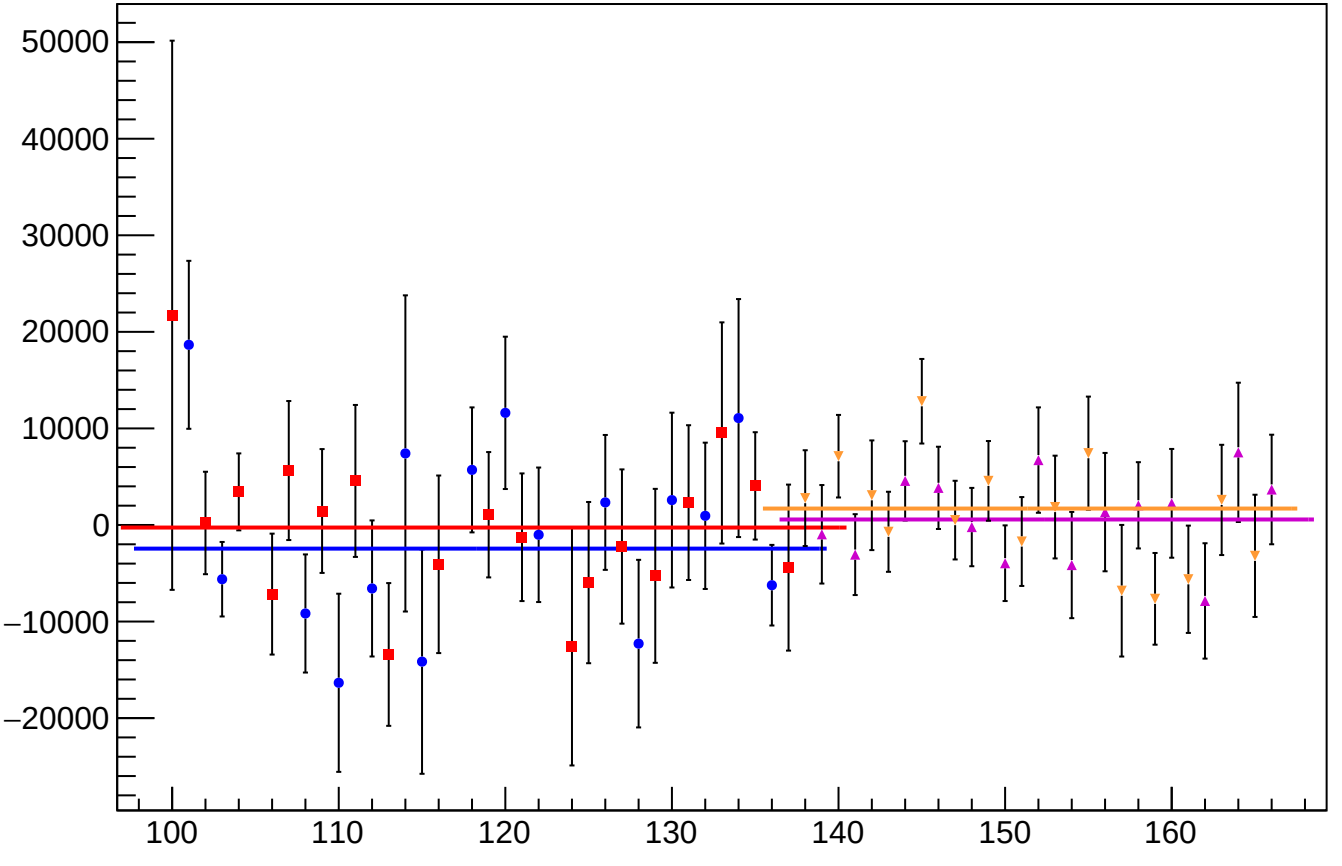
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4034.854+/-0.675 χ^2/NDF:1551317.8/29

Out: 3843.652+/-0.639 χ^2/NDF:2011295.8/33

All: 3934.015+/-0.464 χ^2/NDF: 3604960.8/63

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1701.252+/-1268.761 χ^2/NDF:18.4/14

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 569.104+/-1302.967 χ^2/NDF:9.2/13

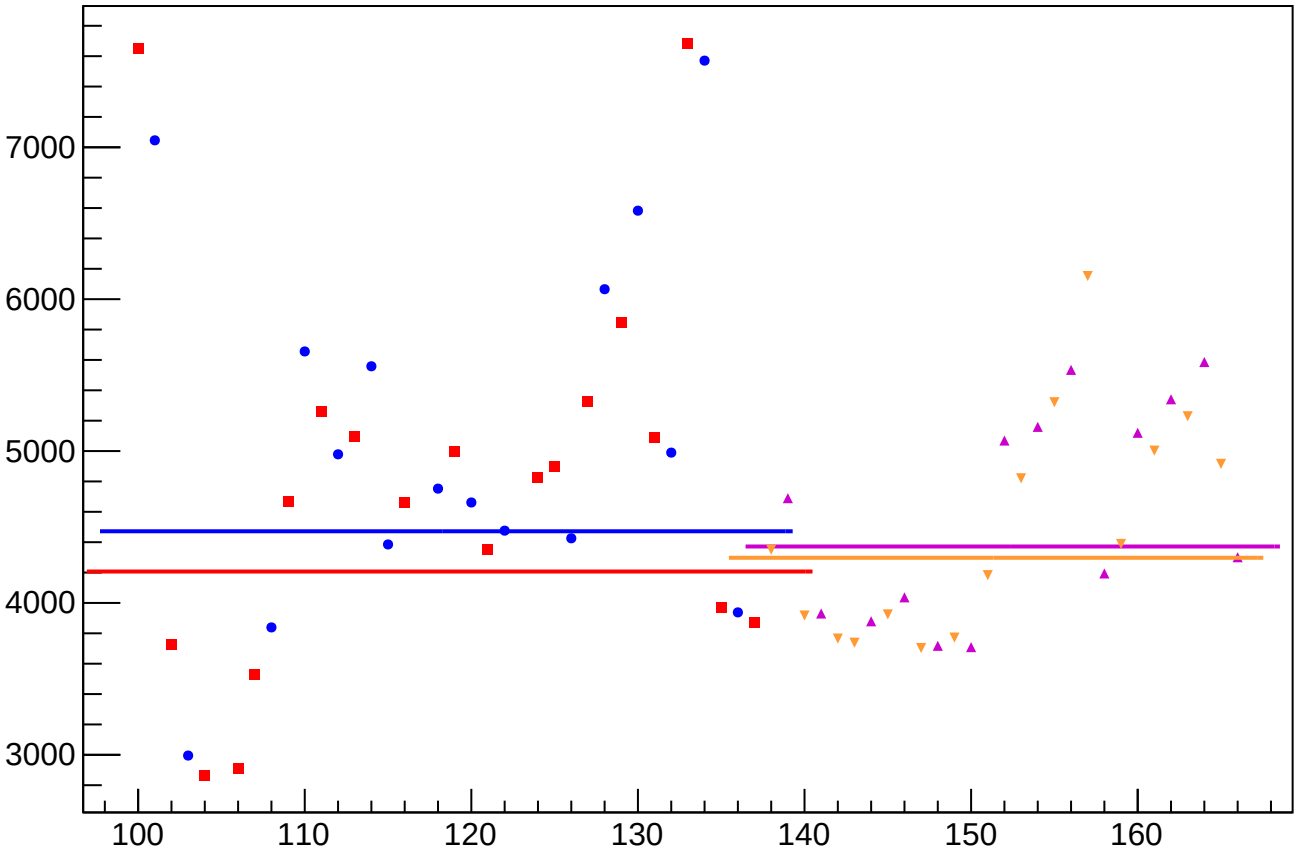
Left: 1150.234+/-909.002 χ^2/NDF: 27.9/28

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -531.342+/-1038.536 χ^2/NDF:32.0/29

Out: 954.851+/-999.478 χ^2/NDF:30.0/33

All: 240.226+/-720.150 χ^2/NDF: 63.1/63



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4297.436+/-0.897 χ^2/NDF:494696.5/14

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4371.622+/-0.921 χ^2/NDF:474175.7/13

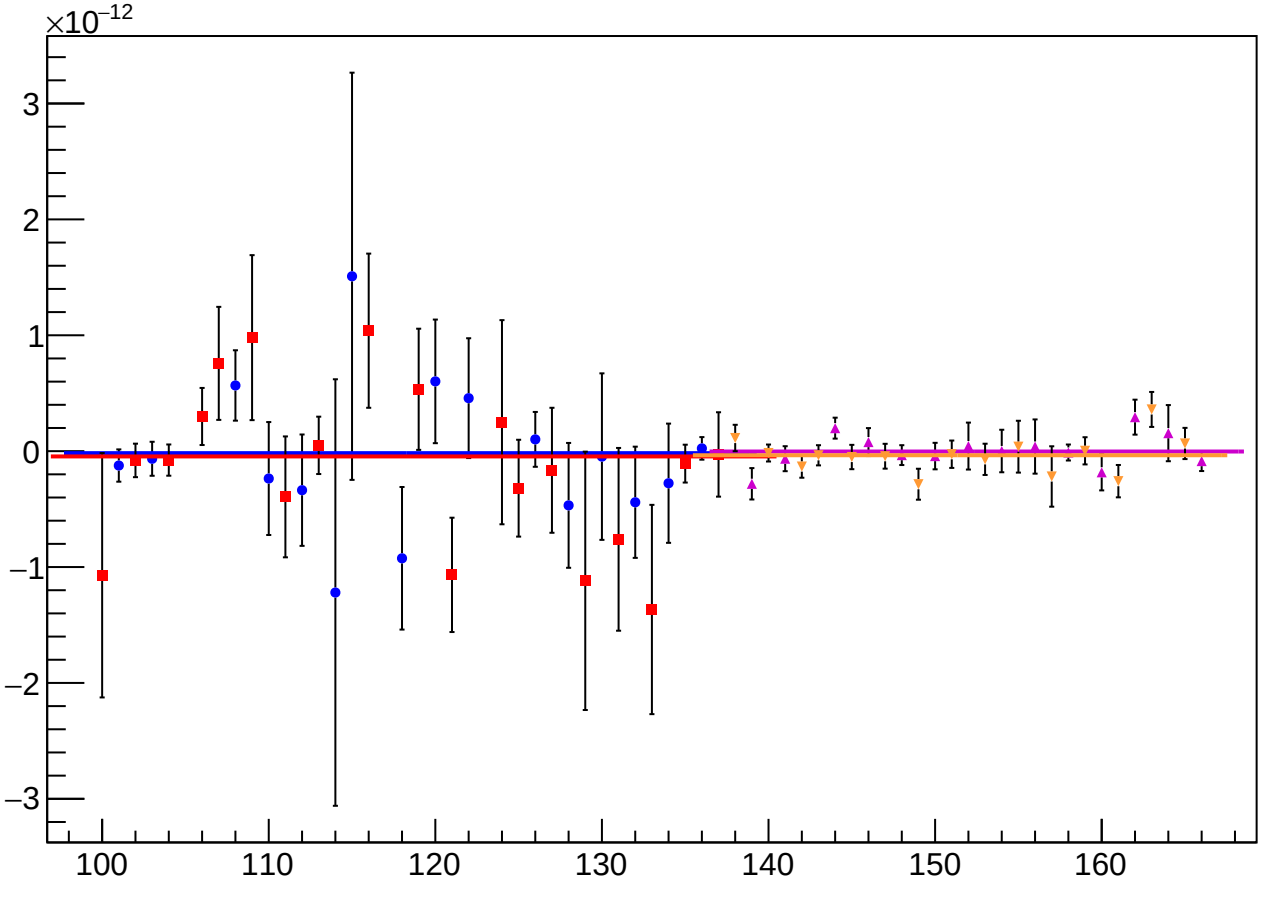
Left: 4333.543+/-0.643 χ^2/NDF: 972200.3/28

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4408.196+/-0.734 χ^2/NDF:1370174.8/29

Out: 4262.736+/-0.705 χ^2/NDF:1345124.6/33

All: 4332.452+/-0.508 χ^2/NDF: 2735729.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/13

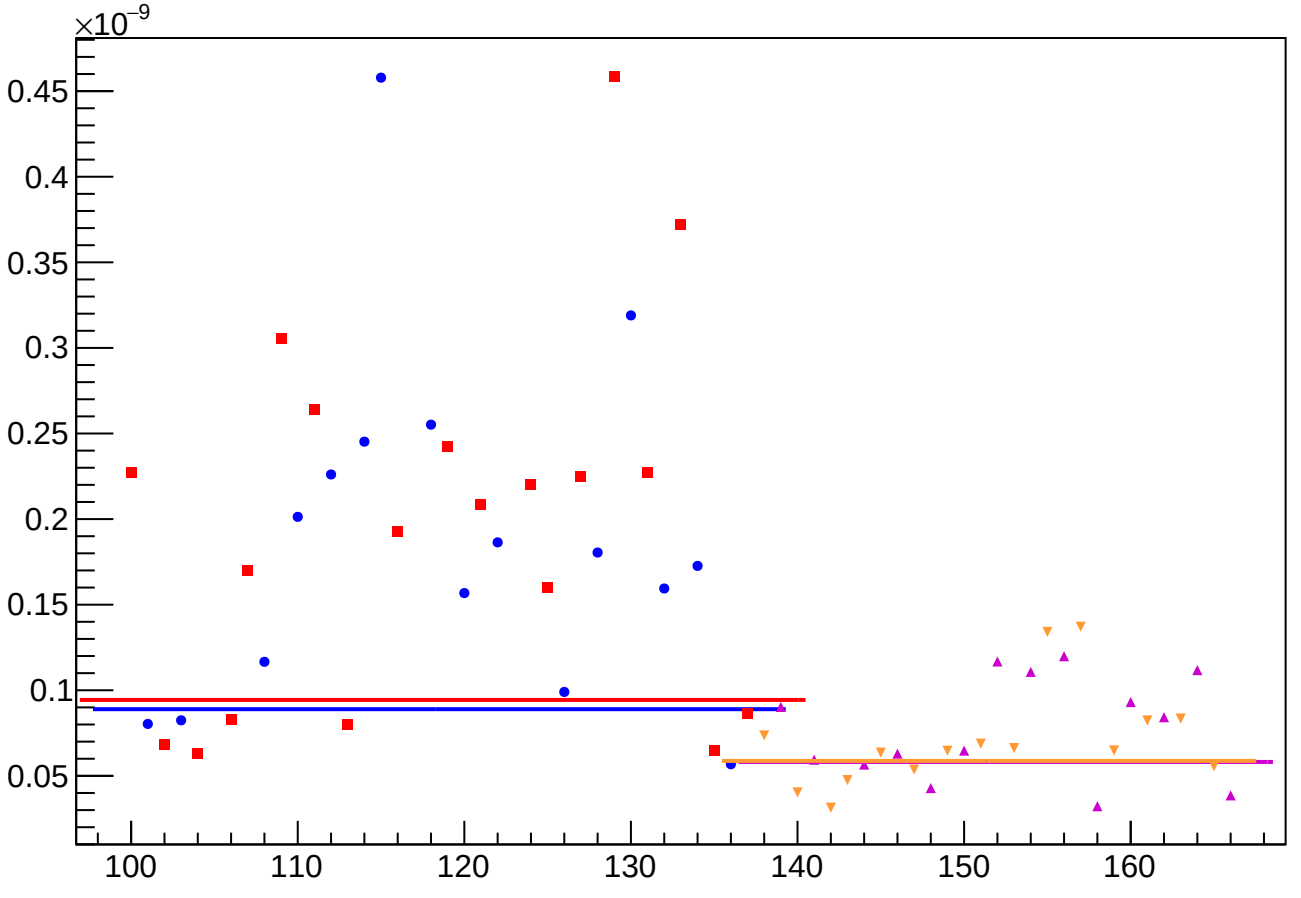
Left: -0.000+/-0.000 χ^2/NDF: 34.5/28

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:29.7/29

Out: -0.000+/-0.000 χ^2/NDF:38.3/33

All: -0.000+/-0.000 χ^2/NDF: 68.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:913437.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1301165.9/13

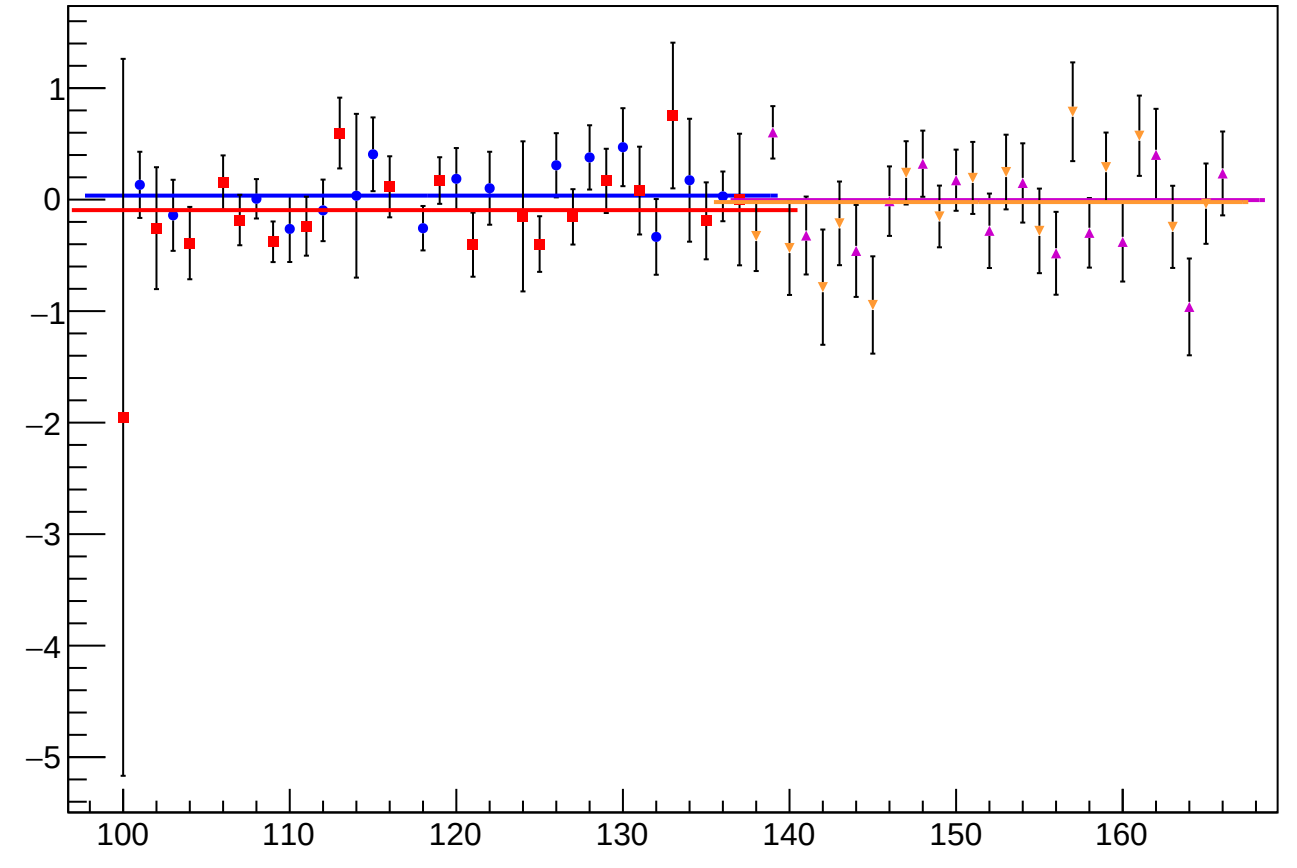
Left: 0.000+/-0.000 χ^2/NDF: 2214995.2/28

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2934243.5/29

Out: 0.000+/-0.000 χ^2/NDF:3067862.9/33

All: 0.000+/-0.000 χ^2/NDF: 6002162.7/63



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

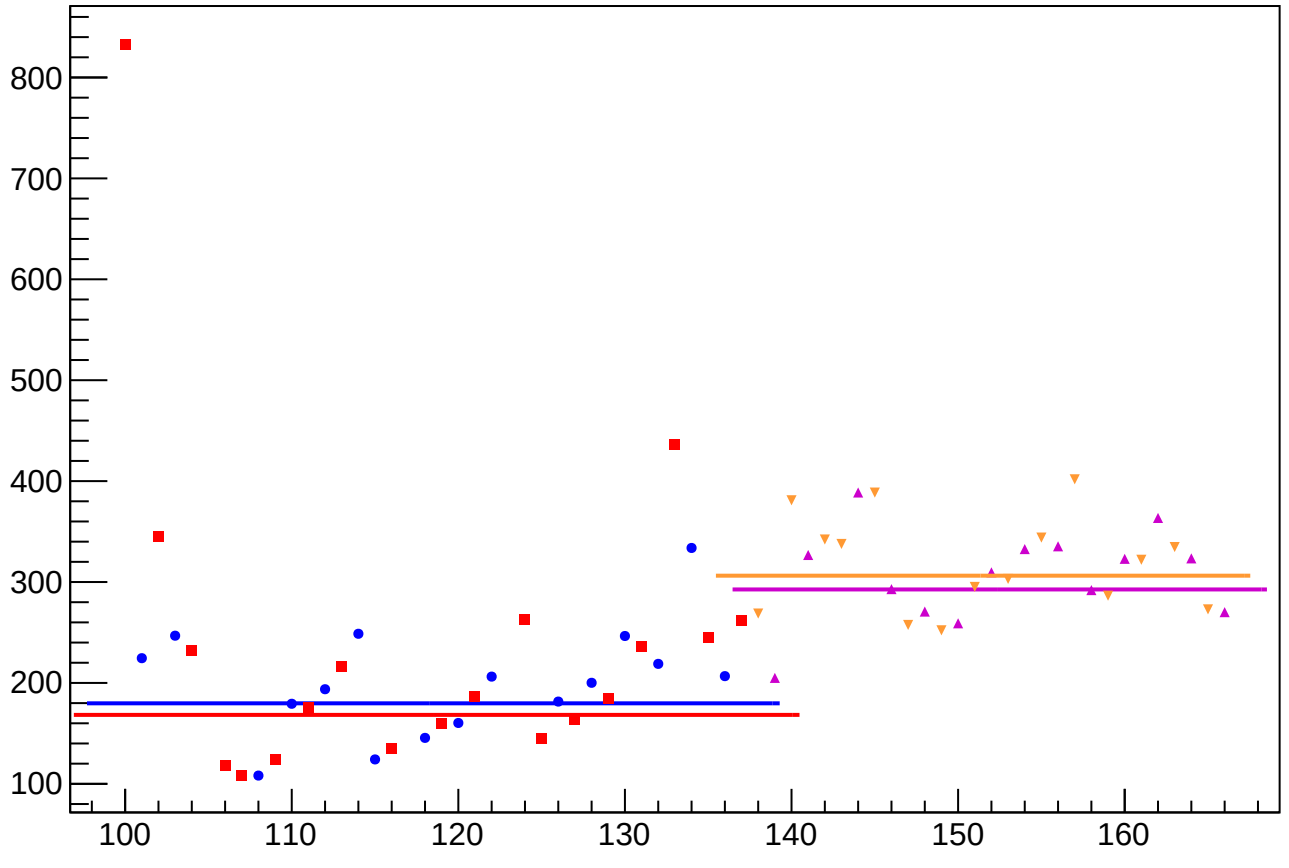
Left: -0.013+/-0.063 χ^2/NDF: 40.0/28

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.025+/-0.039 χ^2/NDF: 70.0/63



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.641+/-0.063 χ^2/NDF:594160.6/13

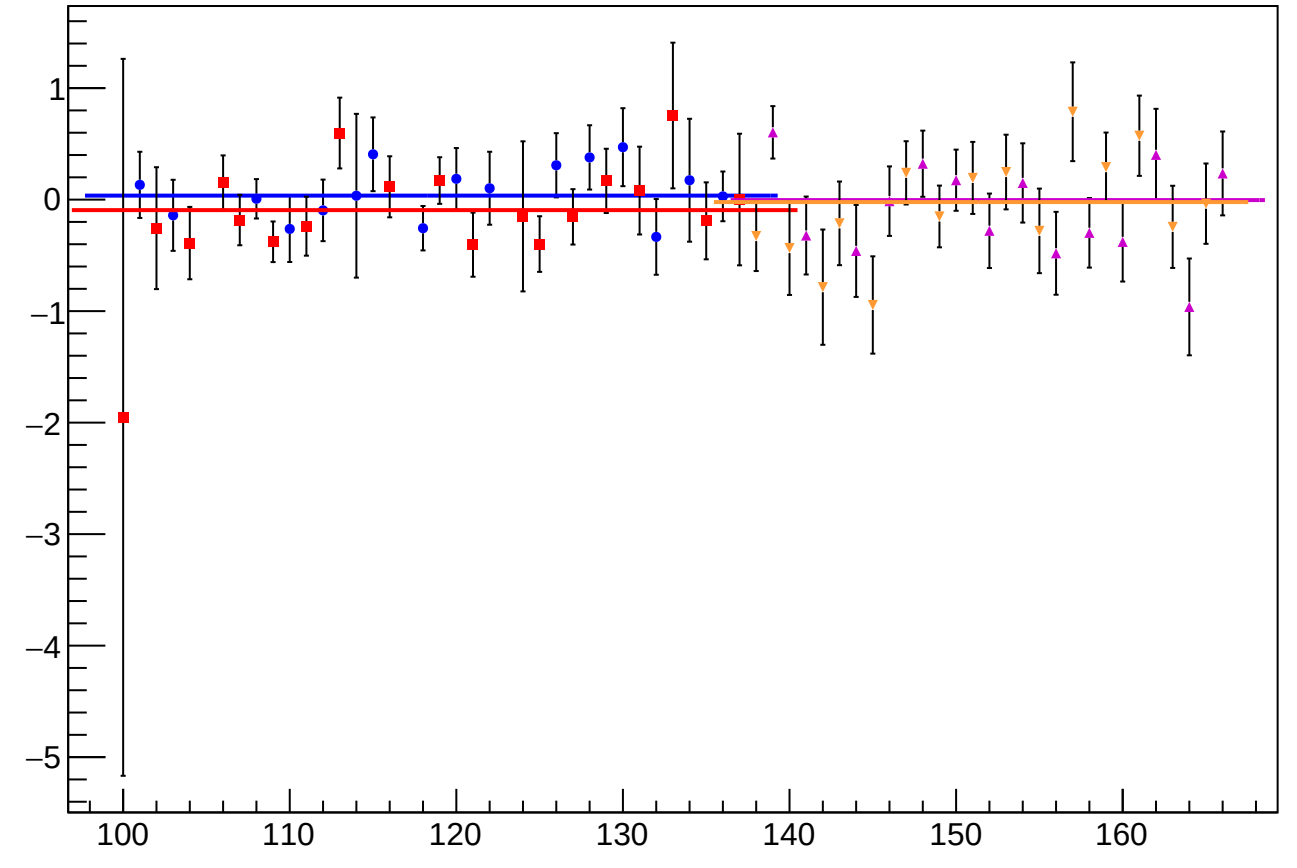
Left: 299.284+/-0.045 χ^2/NDF: 1095892.6/28

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 223.662+/-0.039 χ^2/NDF:3500133.6/29

Out: 217.507+/-0.038 χ^2/NDF:4853837.1/33

All: 220.533+/-0.027 χ^2/NDF: 8366622.9/63



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

Left: -0.013+/-0.063 χ^2/NDF: 40.0/28

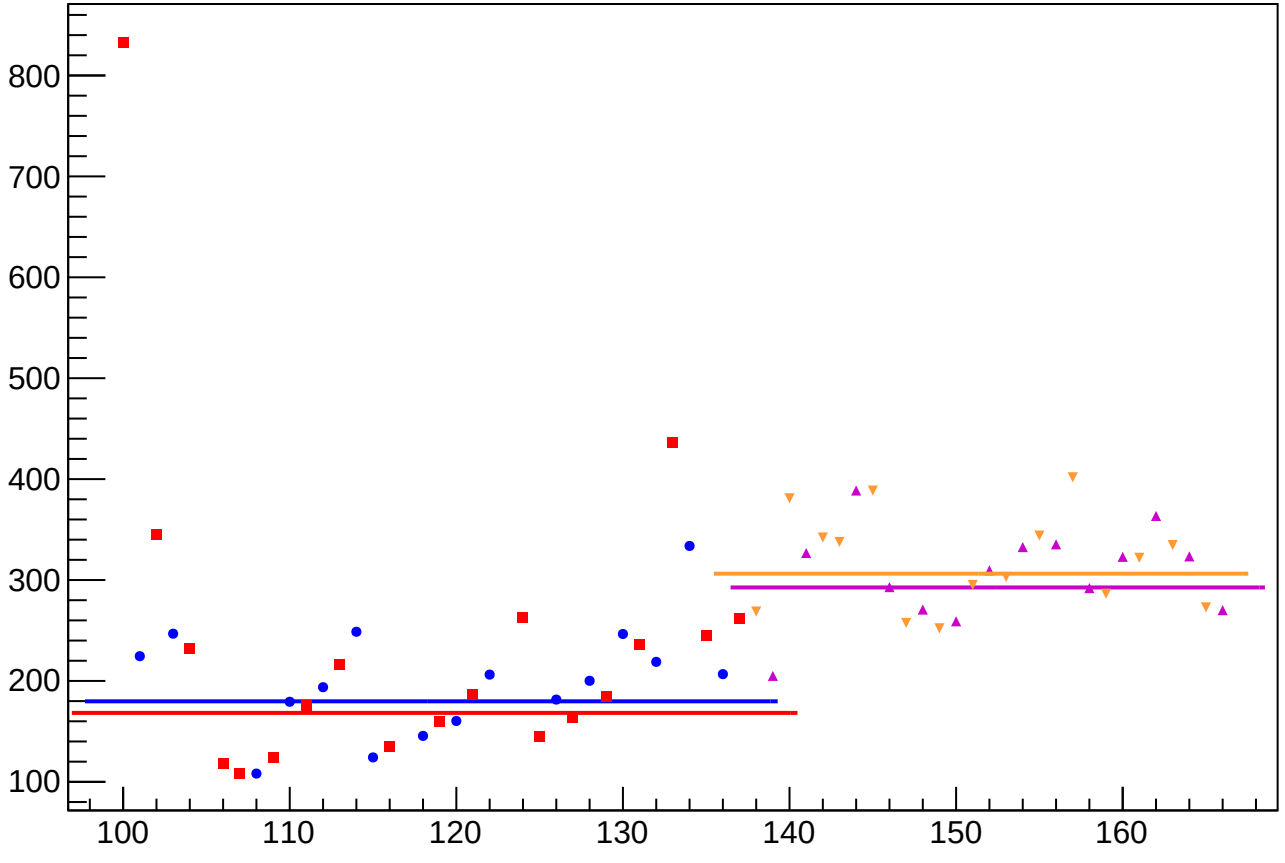
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.025+/-0.039 χ^2/NDF: 70.0/63

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.641+/-0.063 χ^2/NDF:594160.6/13

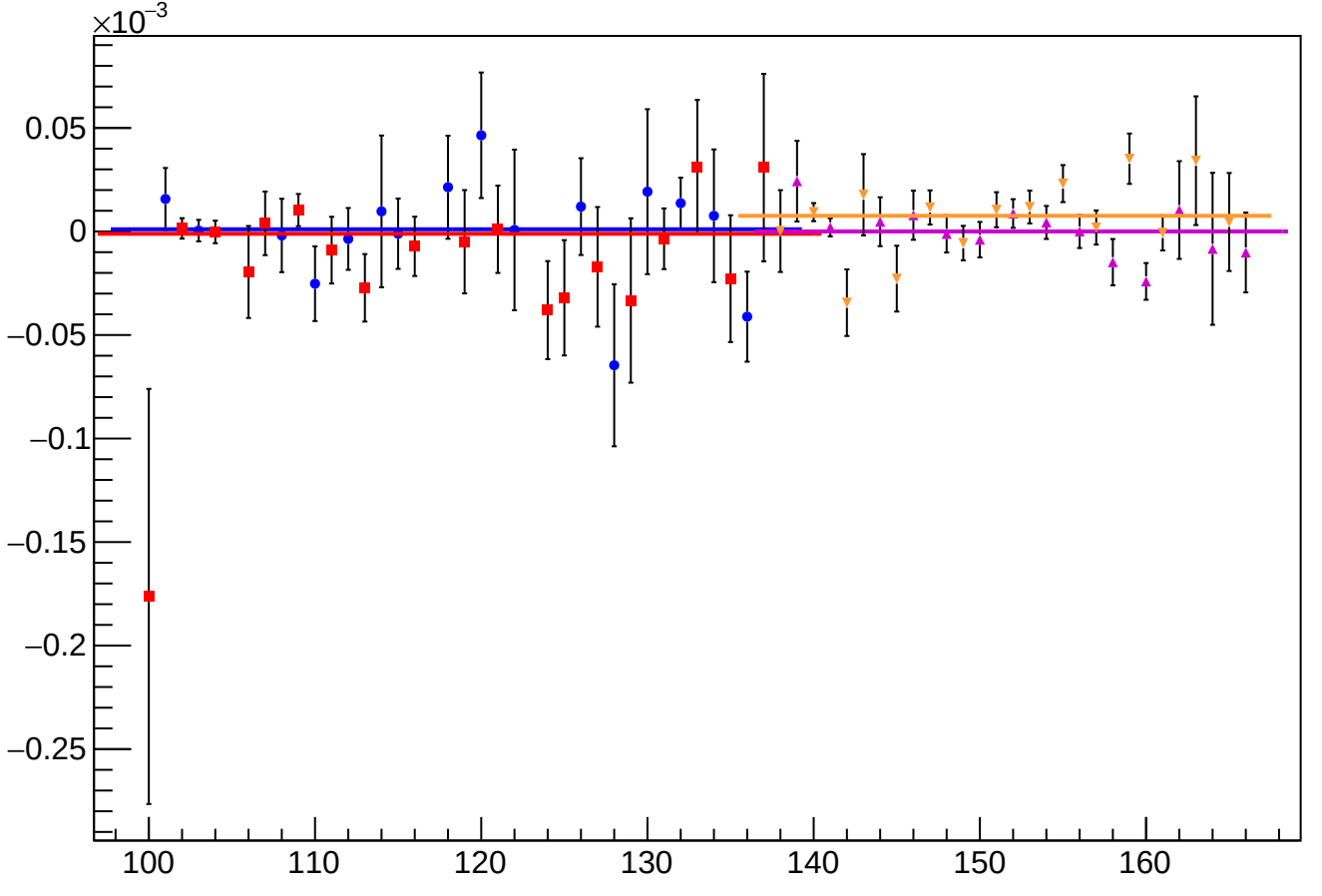
Left: 299.284+/-0.045 χ^2/NDF: 1095892.6/28

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 223.662+/-0.039 χ^2/NDF:3500133.6/29

Out: 217.507+/-0.038 χ^2/NDF:4853837.1/33

All: 220.533+/-0.027 χ^2/NDF: 8366622.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/13

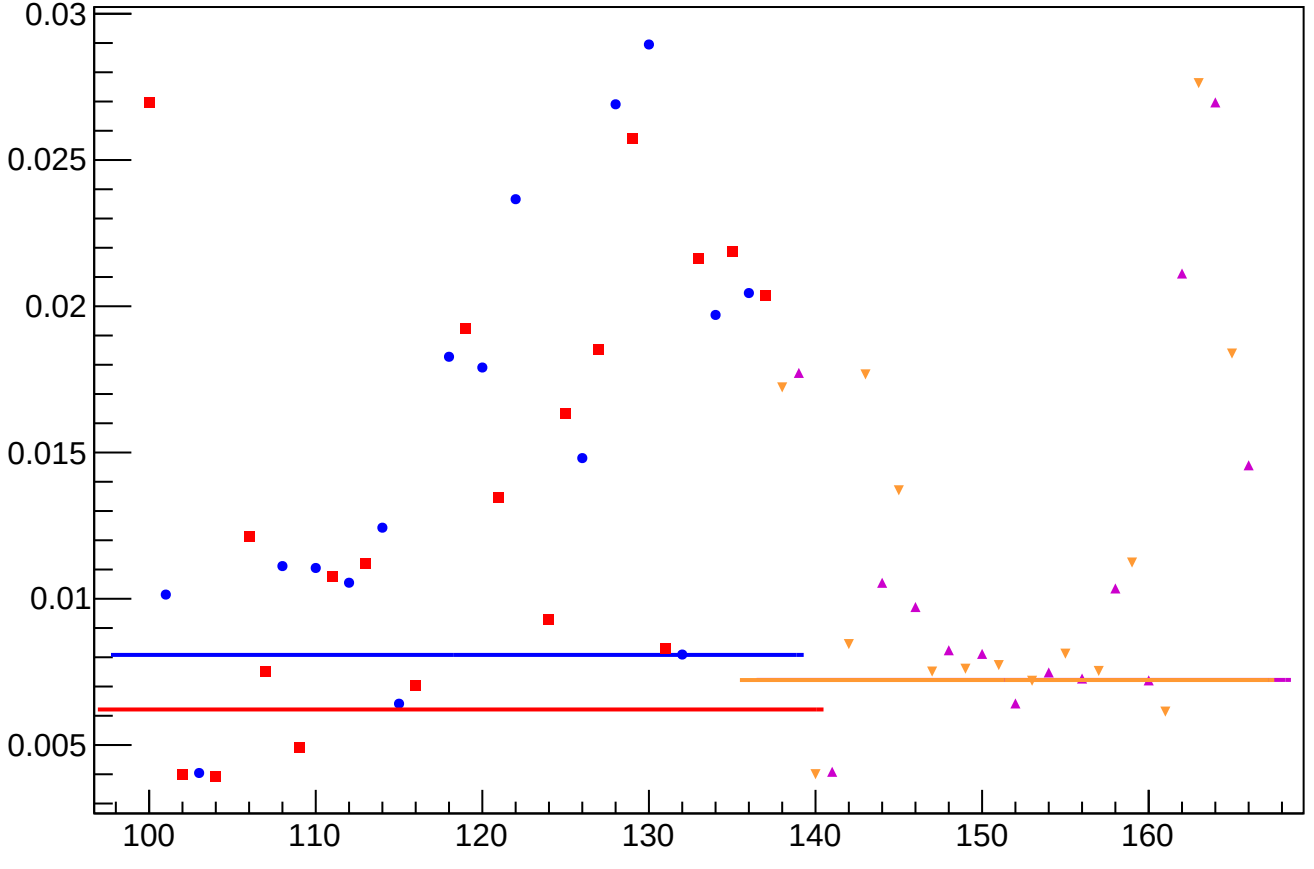
Left: 0.000+/-0.000 χ^2/NDF: 43.6/28

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.5/29

Out: 0.000+/-0.000 χ^2/NDF:46.0/33

All: 0.000+/-0.000 χ^2/NDF: 76.3/63



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4106778.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:3663934.2/13

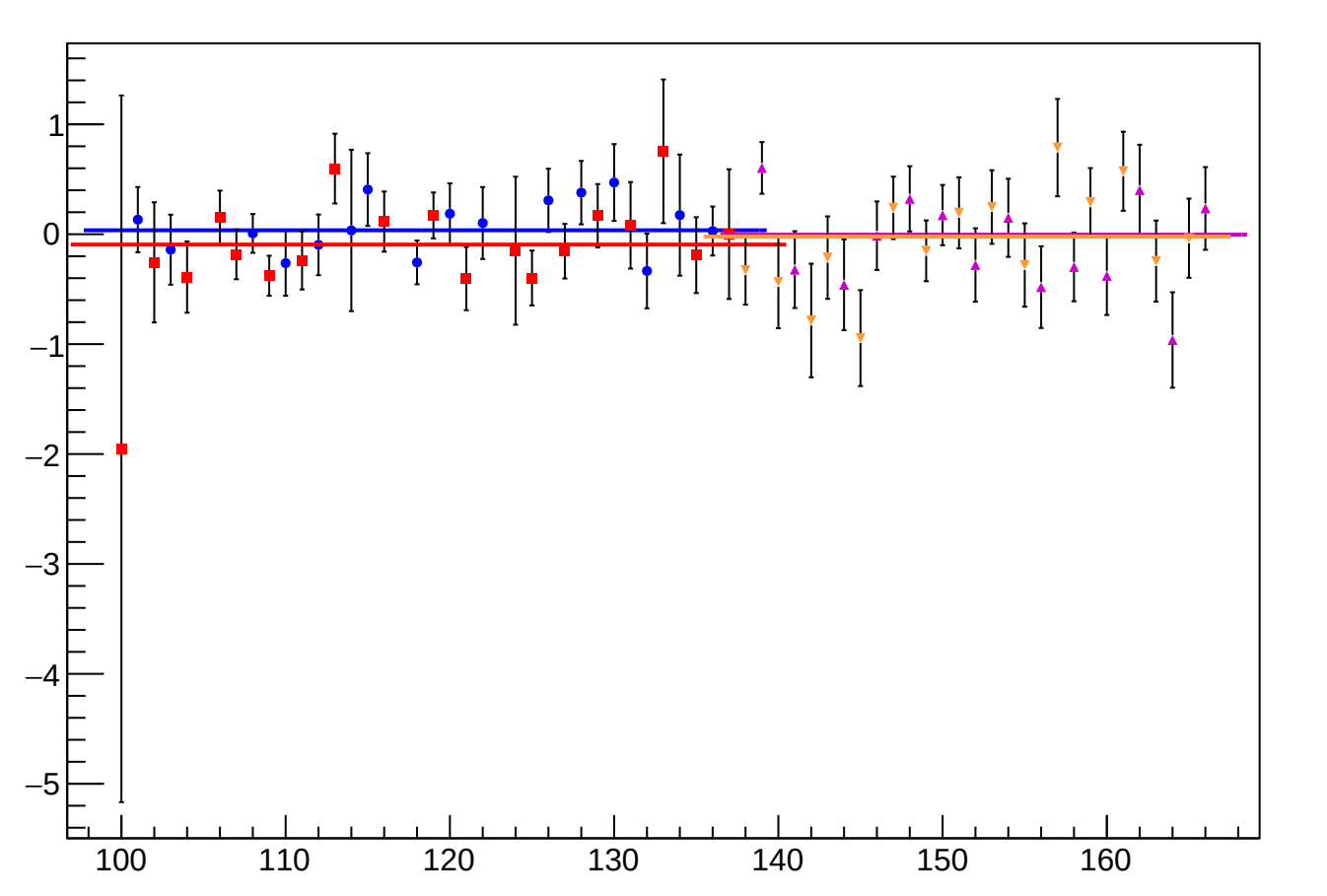
Left: 0.007+/-0.000 χ^2/NDF: 7770715.3/28

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:8152204.2/29

Out: 0.007+/-0.000 χ^2/NDF:8816295.3/33

All: 0.007+/-0.000 χ^2/NDF: 17092898.7/63



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.089 χ^2/NDF:21.1/13

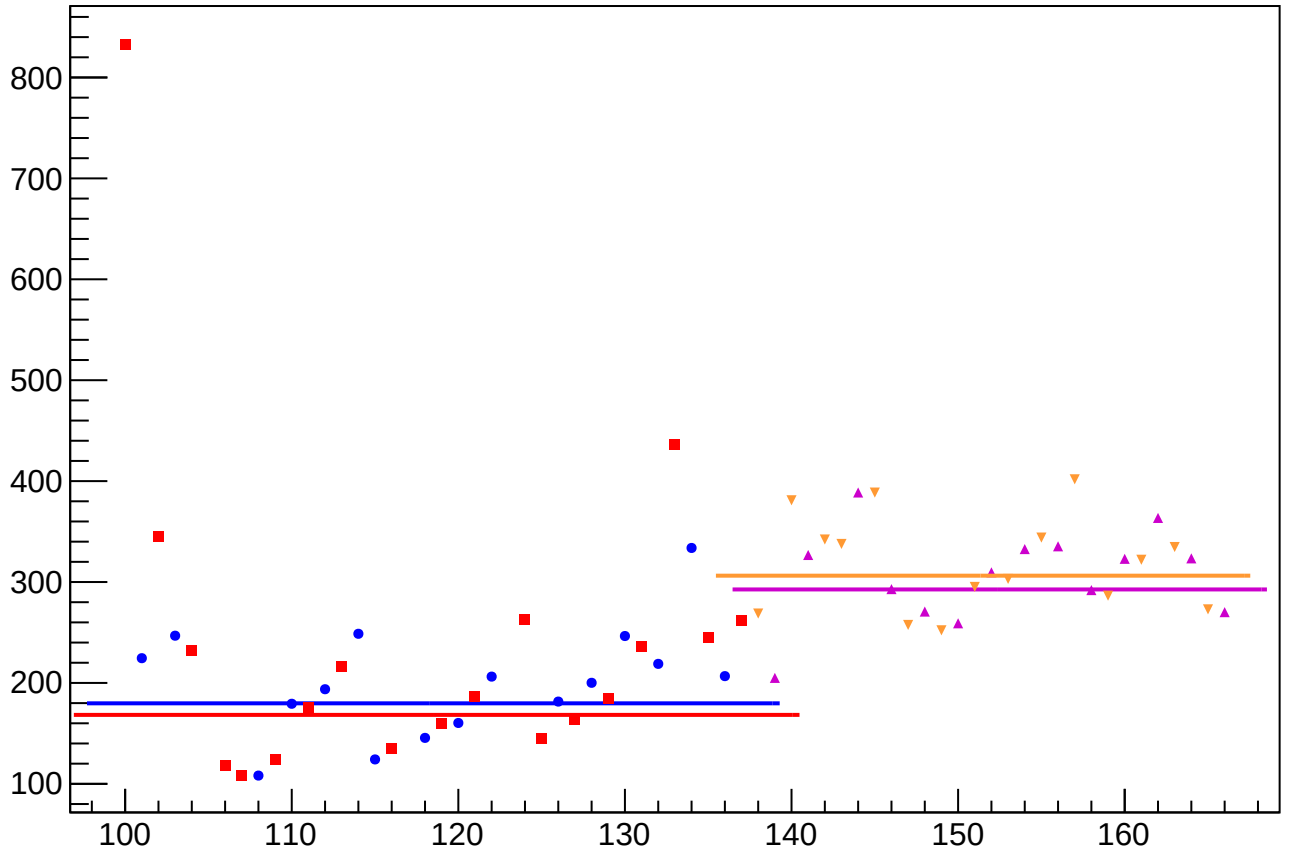
Left: -0.013+/-0.063 χ^2/NDF: 40.0/28

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.020+/-0.055 χ^2/NDF:31.8/29

Out: -0.068+/-0.054 χ^2/NDF:36.9/33

All: -0.025+/-0.039 χ^2/NDF: 70.0/63



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.294+/-0.064 χ^2/NDF:478563.1/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.646+/-0.063 χ^2/NDF:594148.4/13

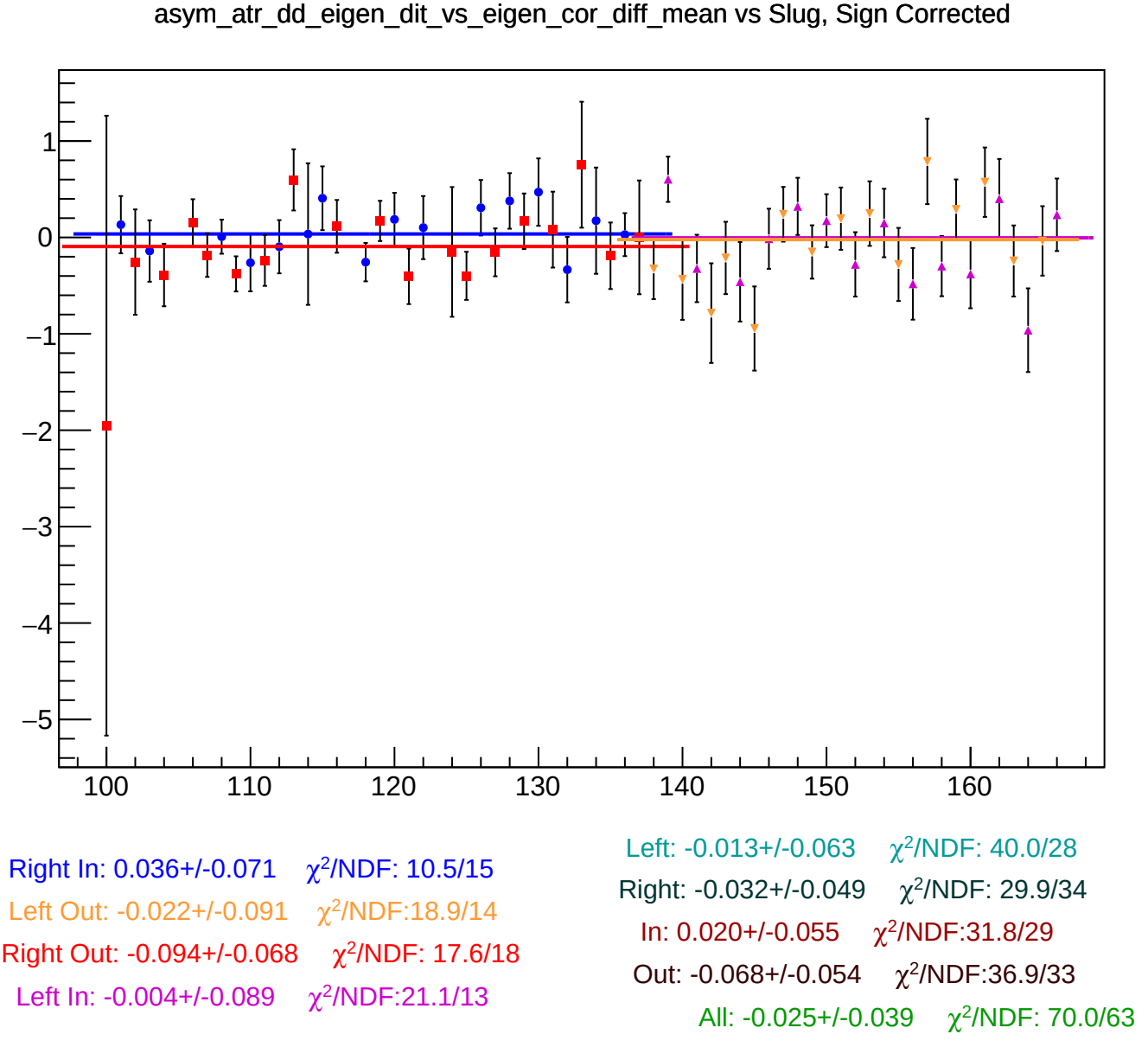
Left: 299.289+/-0.045 χ^2/NDF: 1095862.6/28

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

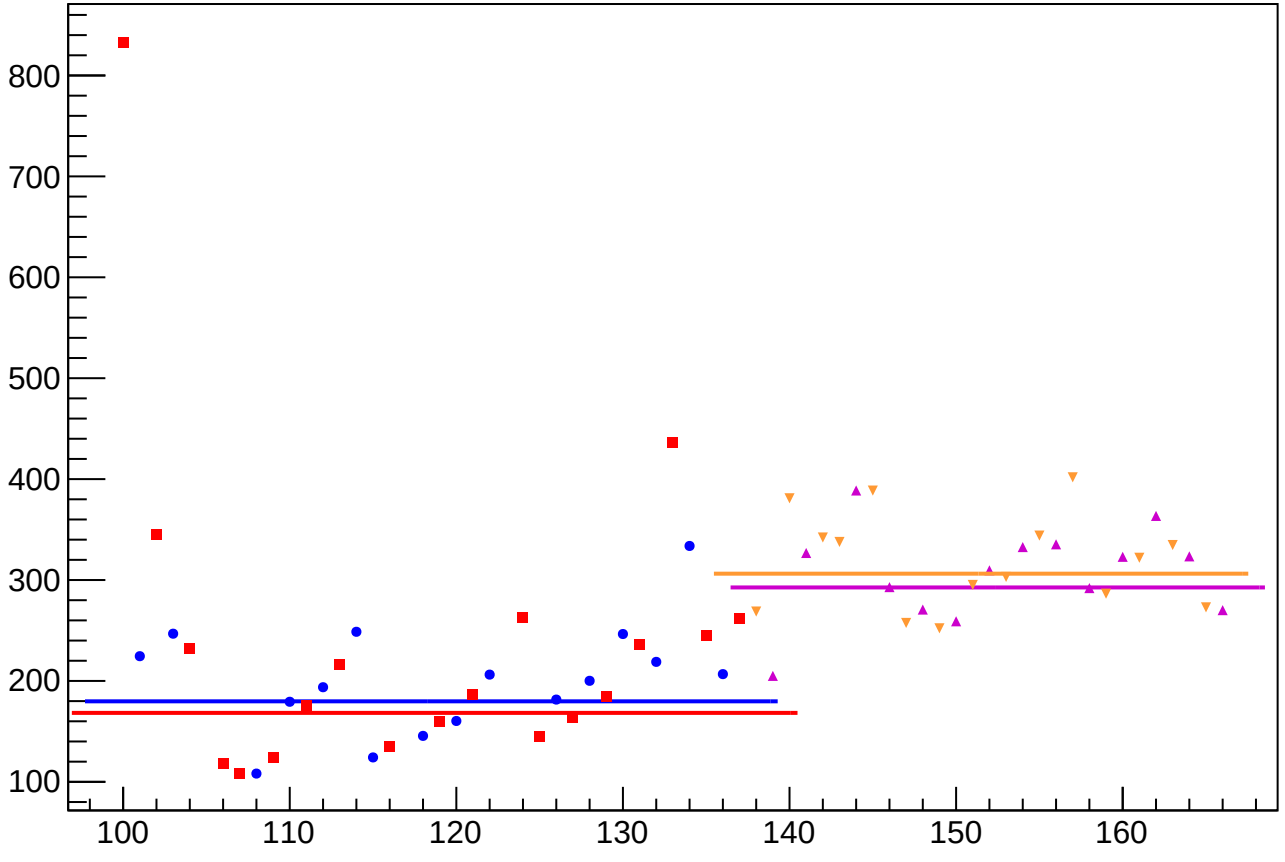
In: 223.661+/-0.039 χ^2/NDF:3500400.8/29

Out: 217.508+/-0.038 χ^2/NDF:4853991.0/33

All: 220.533+/-0.027 χ^2/NDF: 8367036.1/63


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.022+/-0.091 χ²/NDF:18.9/14
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.004+/-0.089 χ²/NDF:21.1/13
Left: -0.013+/-0.063 χ²/NDF: 40.0/28
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.020+/-0.055 χ²/NDF:31.8/29
Out: -0.068+/-0.054 χ²/NDF:36.9/33
All: -0.025+/-0.039 χ²/NDF: 70.0/63

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.294+/-0.064 χ^2/NDF:478563.1/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.646+/-0.063 χ^2/NDF:594148.4/13

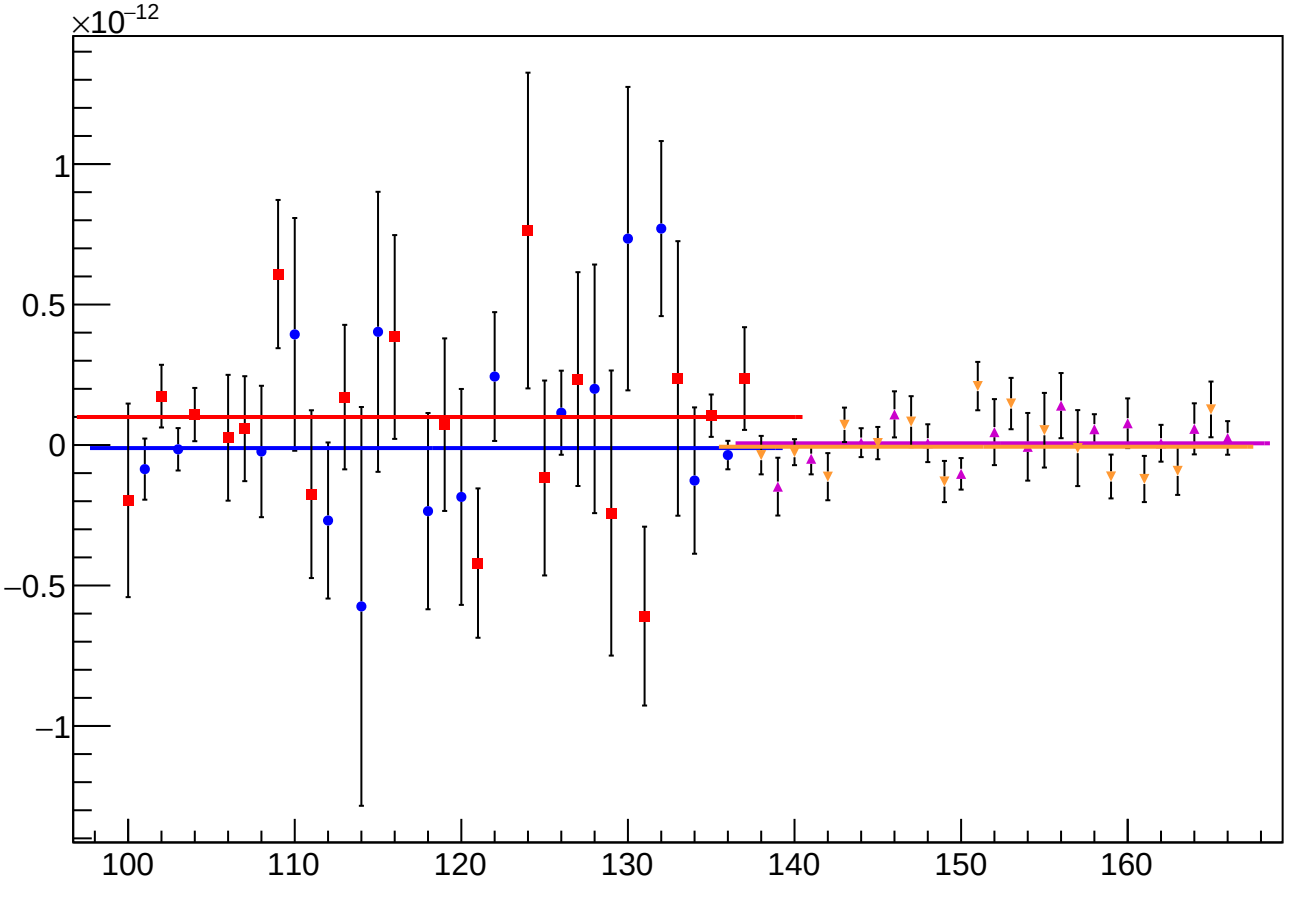
Left: 299.289+/-0.045 χ^2/NDF: 1095862.6/28

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 223.661+/-0.039 χ^2/NDF:3500400.8/29

Out: 217.508+/-0.038 χ^2/NDF:4853991.0/33

All: 220.533+/-0.027 χ^2/NDF: 8367036.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/13

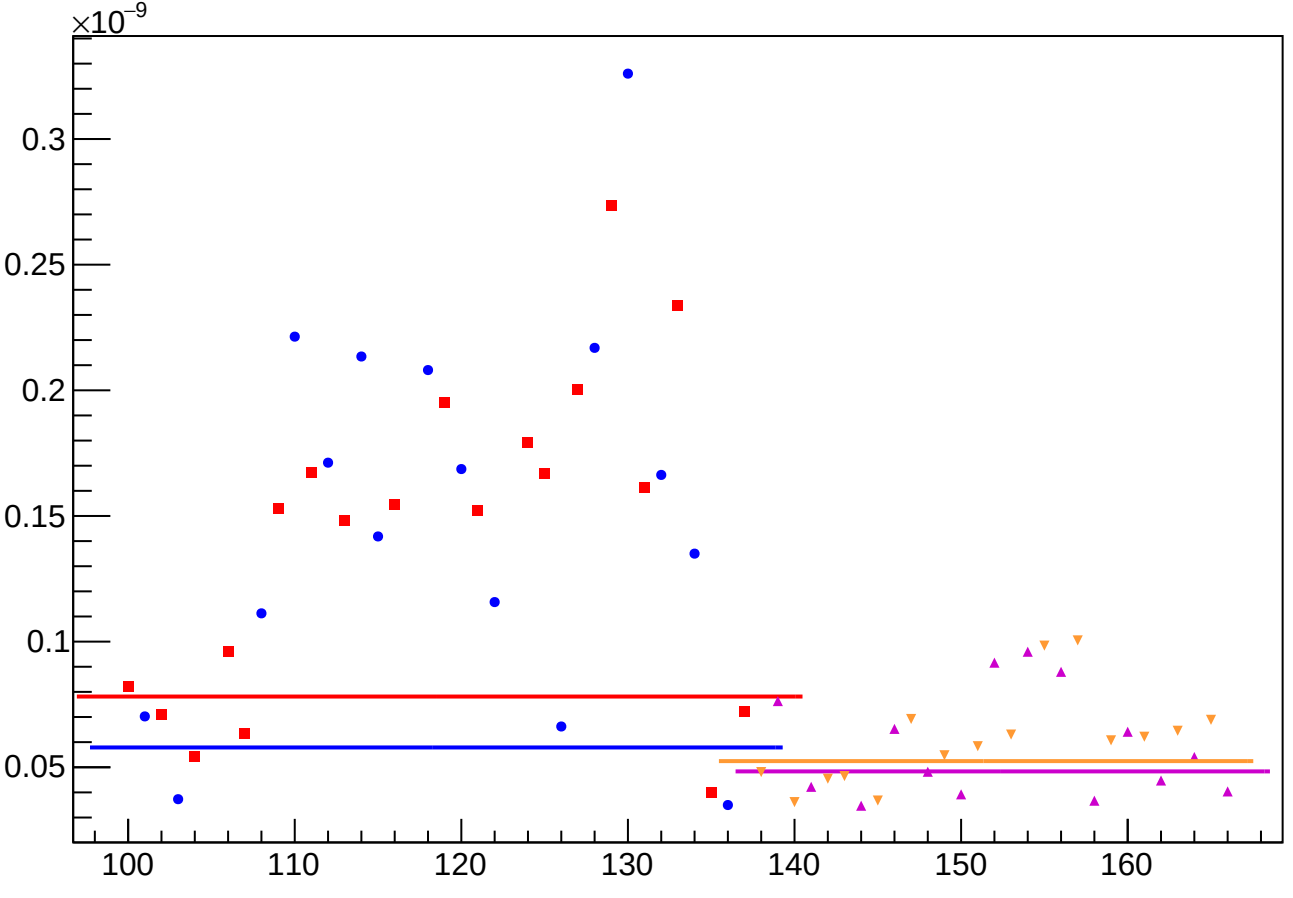
Left: 0.000+/-0.000 χ^2/NDF: 35.5/28

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:27.2/29

Out: 0.000+/-0.000 χ^2/NDF:47.0/33

All: 0.000+/-0.000 χ^2/NDF: 74.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181969.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1477347.4/13

Left: 0.000+/-0.000 χ^2/NDF: 2704686.6/28

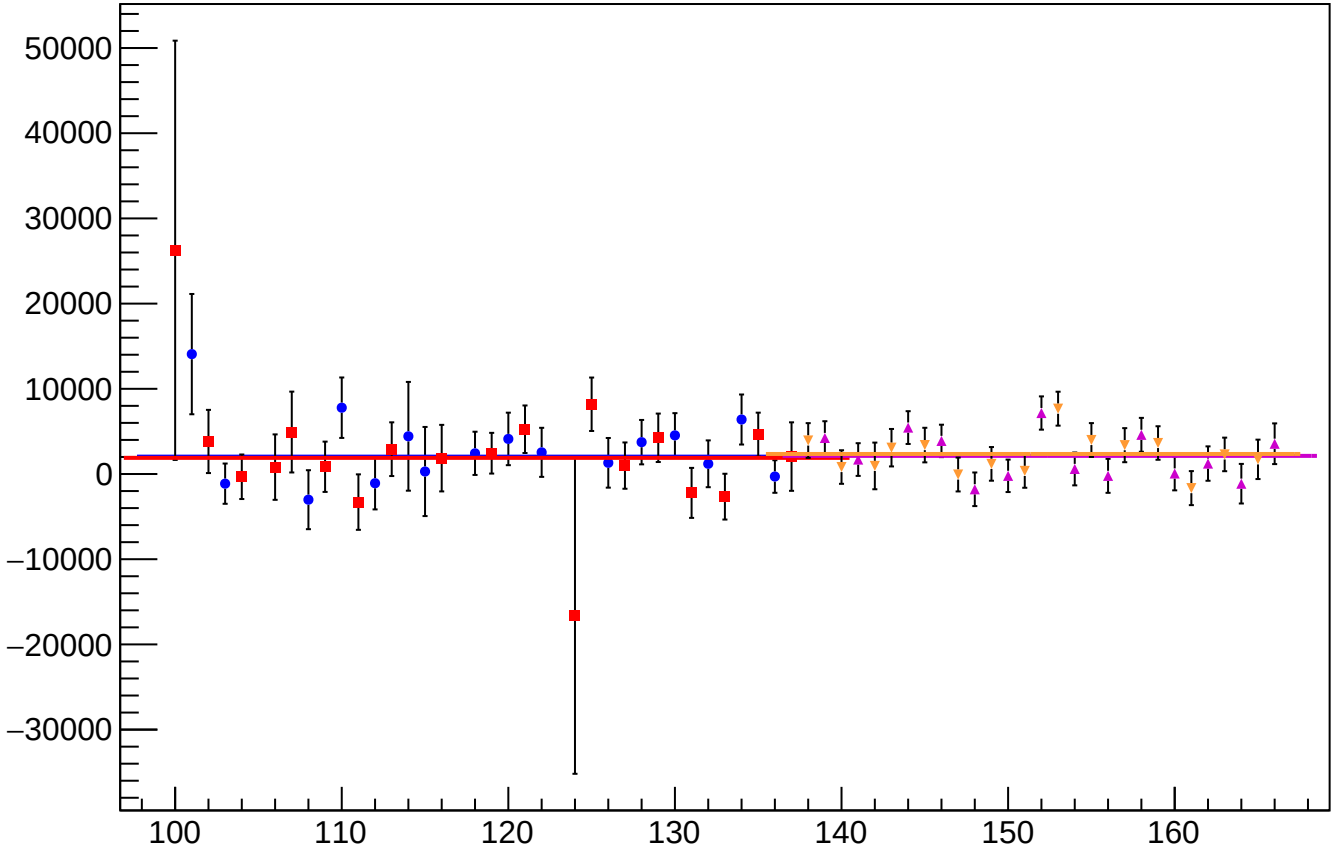
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4913910.8/29

Out: 0.000+/-0.000 χ^2/NDF:4526536.9/33

All: 0.000+/-0.000 χ^2/NDF: 9584601.8/63

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.189+/-530.255 χ^2/NDF:17.3/14

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2127.939+/-534.007 χ^2/NDF:24.3/13

Left: 2240.351+/-376.266 χ^2/NDF: 41.7/28

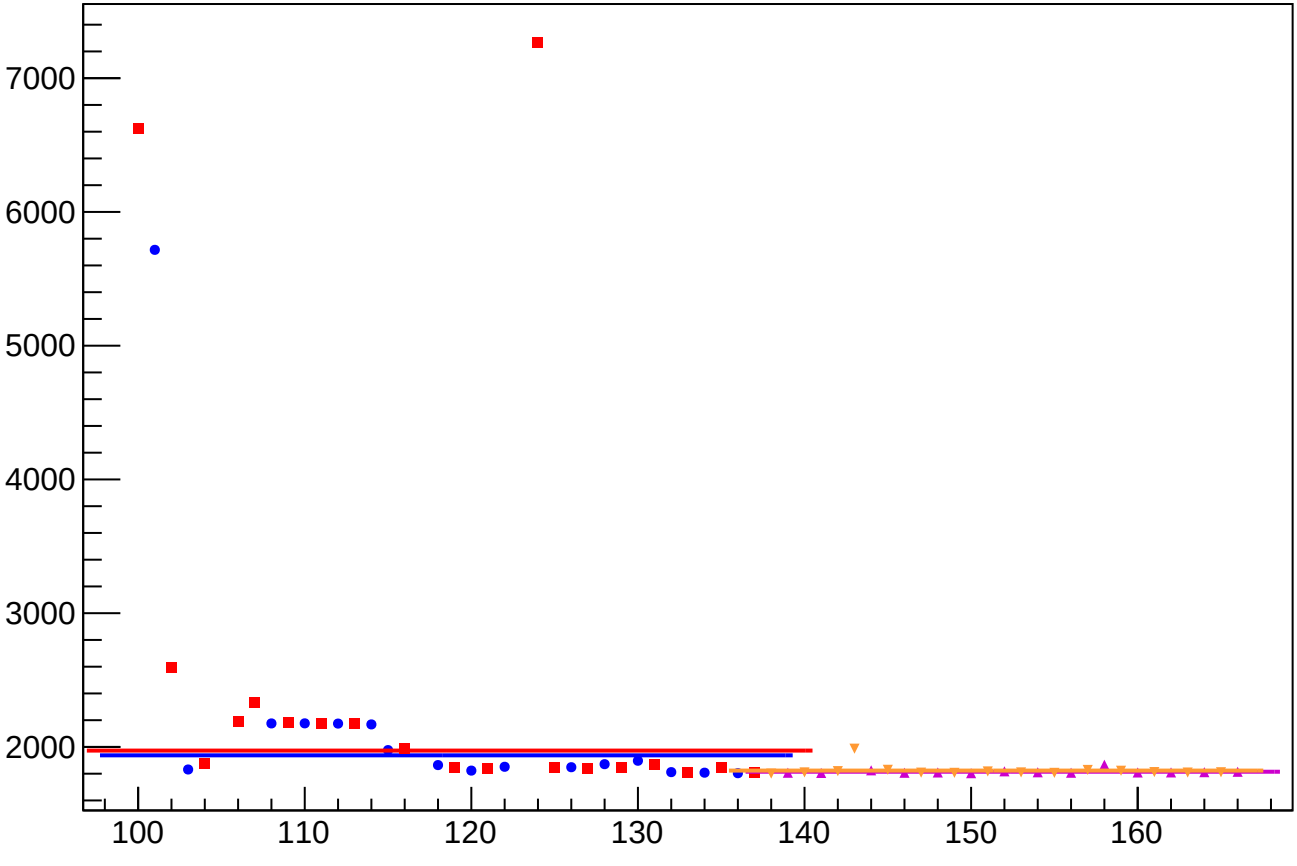
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2097.351+/-432.267 χ^2/NDF:40.8/29

Out: 2195.606+/-430.379 χ^2/NDF:36.0/33

All: 2146.693+/-304.989 χ^2/NDF: 76.8/63

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.610+/-0.378 χ^2/NDF:1720.1/13

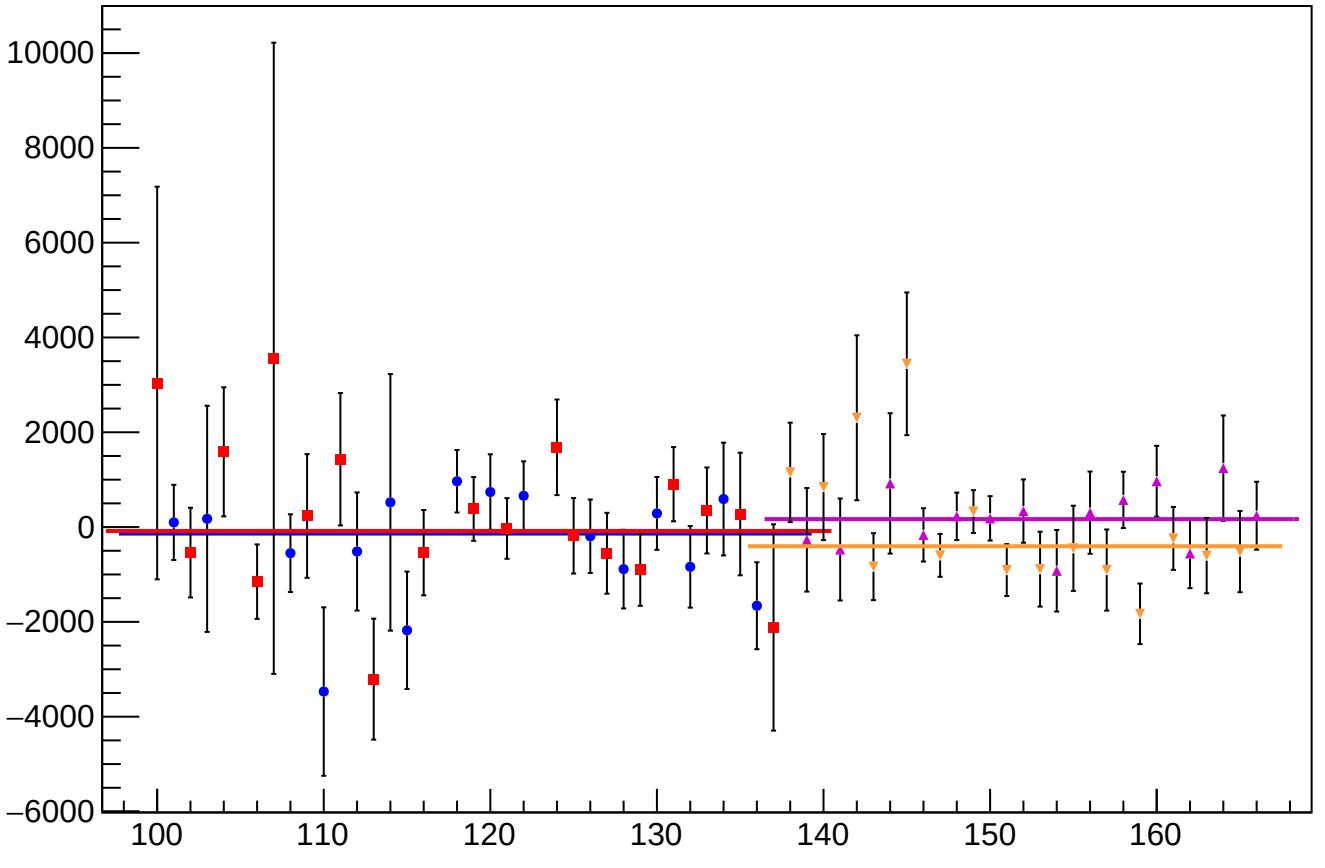
Left: 1818.957+/-0.266 χ^2/NDF: 14200.9/28

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1856.890+/-0.306 χ^2/NDF:676179.7/29

Out: 1874.263+/-0.304 χ^2/NDF:444015.9/33

All: 1865.615+/-0.216 χ^2/NDF: 1121818.0/63



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -404.519+/-184.234 χ^2/NDF:22.3/14

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 168.096+/-188.780 χ^2/NDF:6.4/13

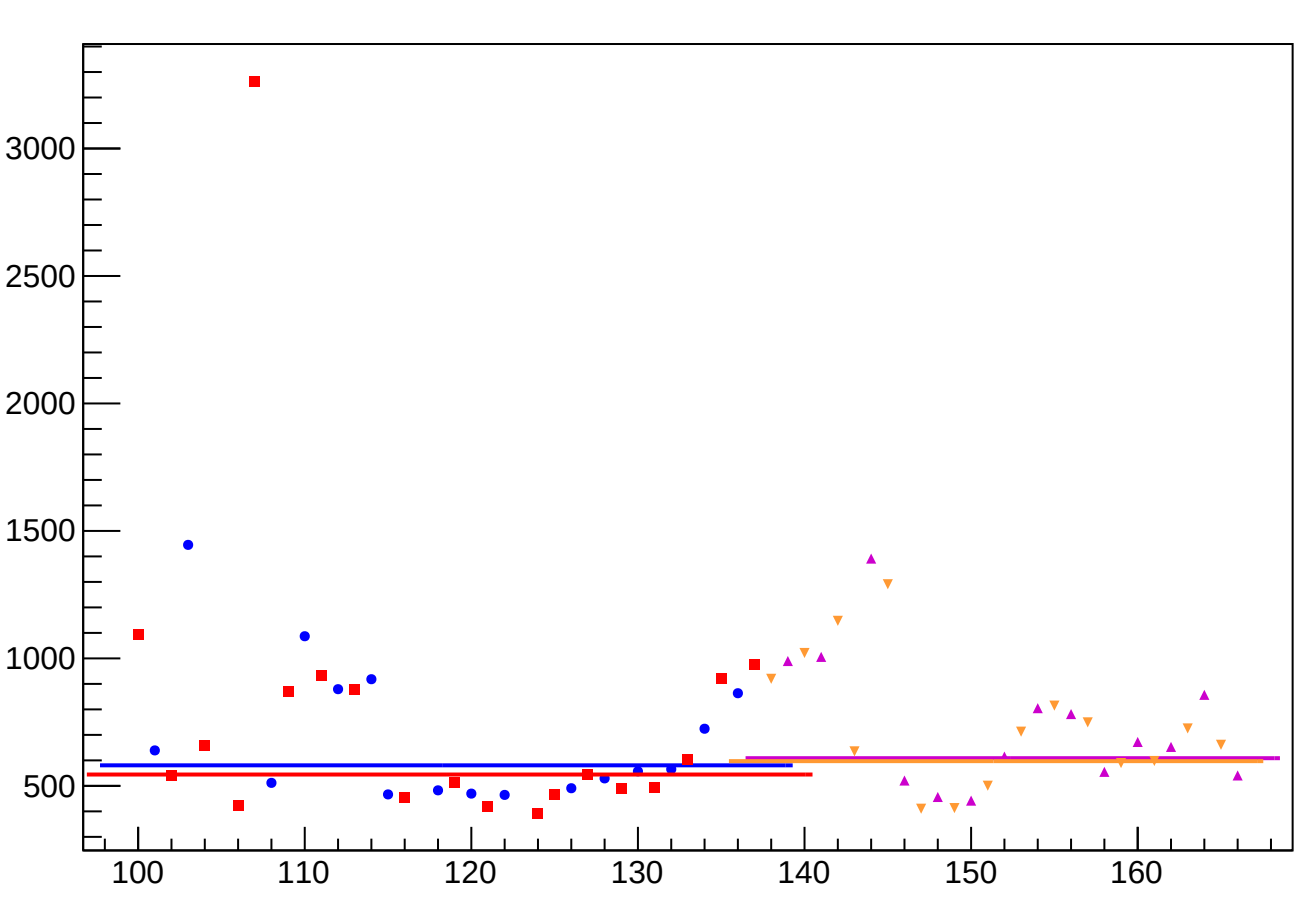
Left: -125.190+/-131.851 χ^2/NDF: 33.4/28

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 45.708+/-146.031 χ^2/NDF:24.3/29

Out: -273.120+/-141.777 χ^2/NDF:43.3/33

All: -118.418+/-101.722 χ^2/NDF: 70.0/63



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 597.014+/-0.130 χ^2/NDF:2128224.9/14

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 608.601+/-0.133 χ^2/NDF:1901429.4/13

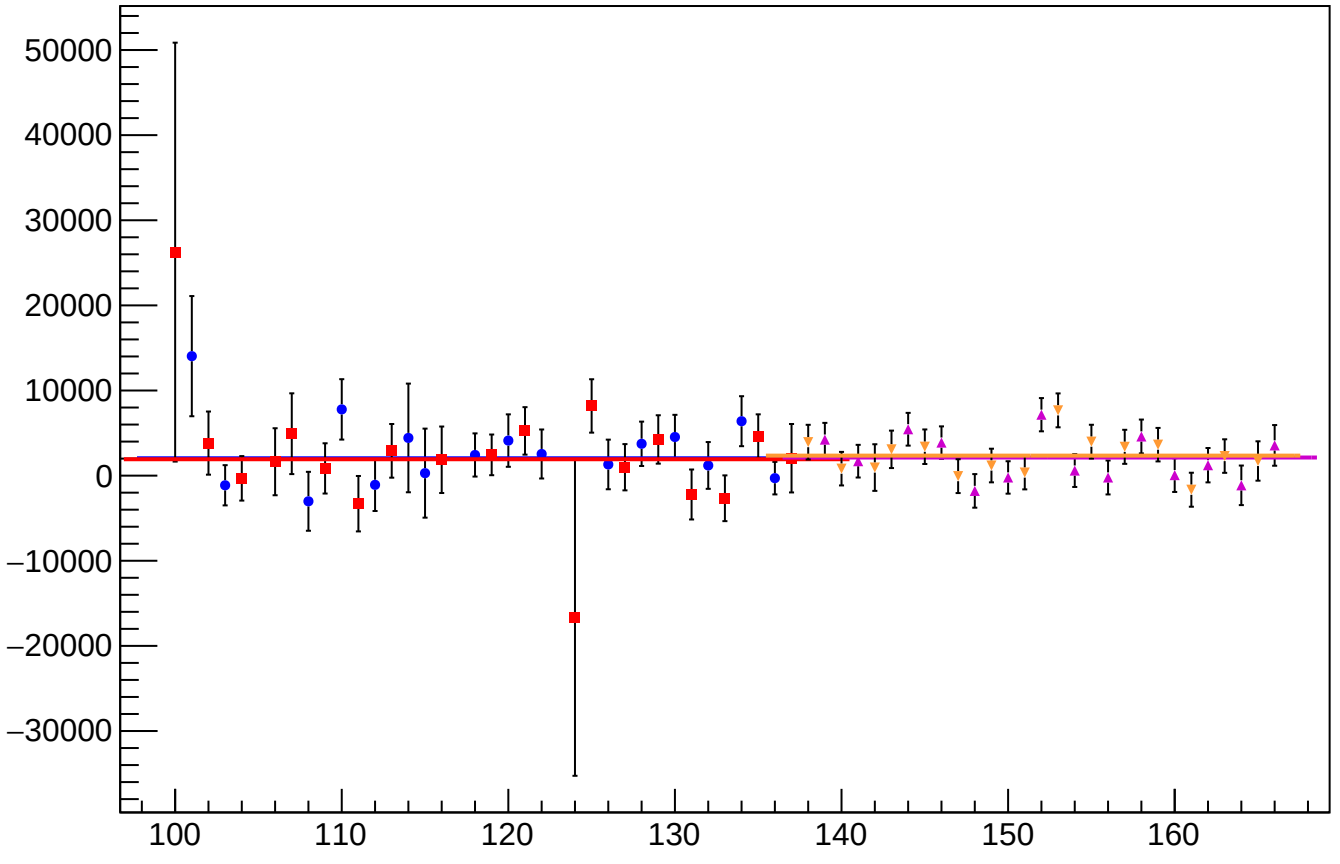
Left: 602.666+/-0.093 χ^2/NDF: 4033513.1/28

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 597.359+/-0.103 χ^2/NDF:2922497.8/29

Out: 575.612+/-0.100 χ^2/NDF:3482056.0/33

All: 586.164+/-0.072 χ^2/NDF: 6427387.7/63



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2128.022+/-534.007 χ^2/NDF:24.3/13

Left: 2240.380+/-376.266 χ^2/NDF: 41.7/28

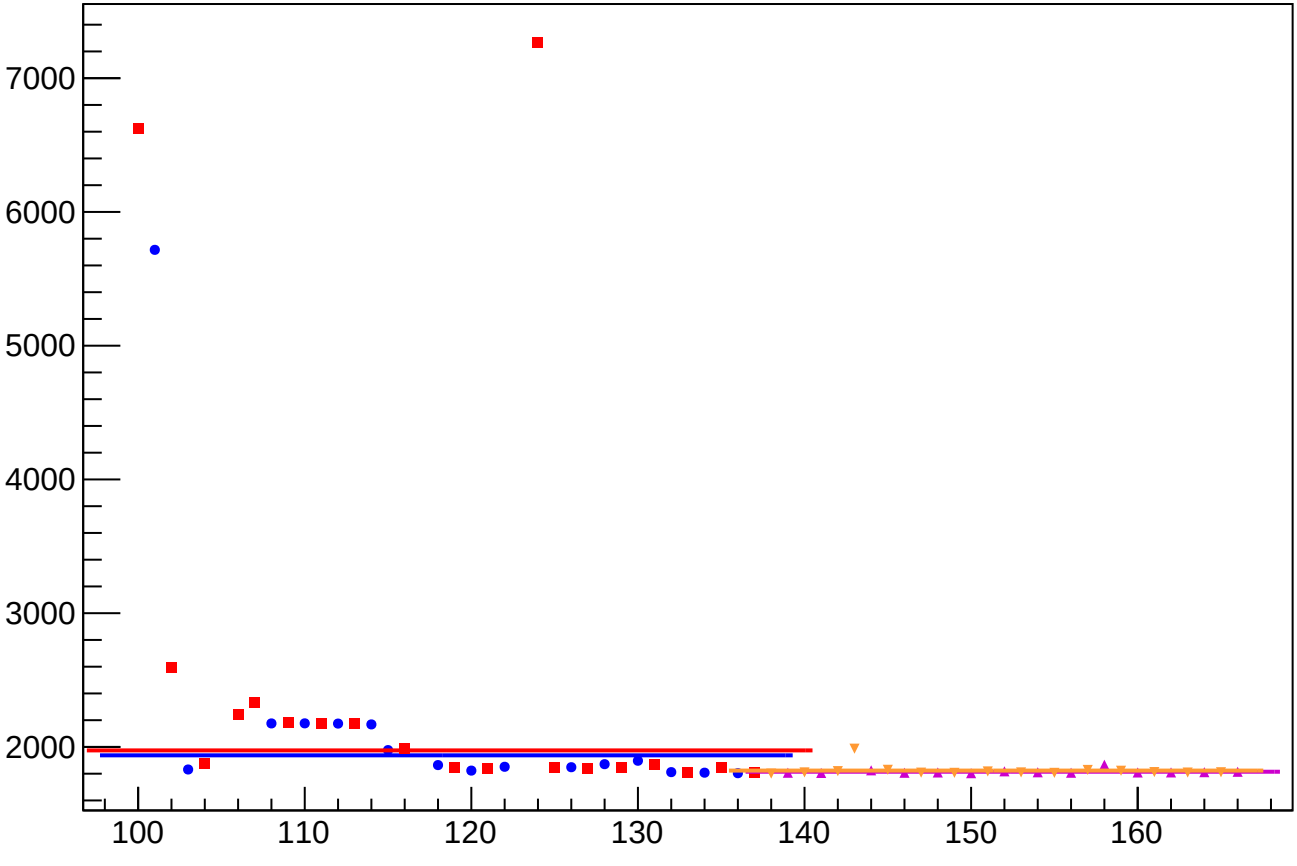
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2097.278+/-432.267 χ^2/NDF:40.7/29

Out: 2206.344+/-430.508 χ^2/NDF:35.9/33

All: 2152.033+/-305.035 χ^2/NDF: 76.7/63

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.610+/-0.378 χ^2/NDF:1720.1/13

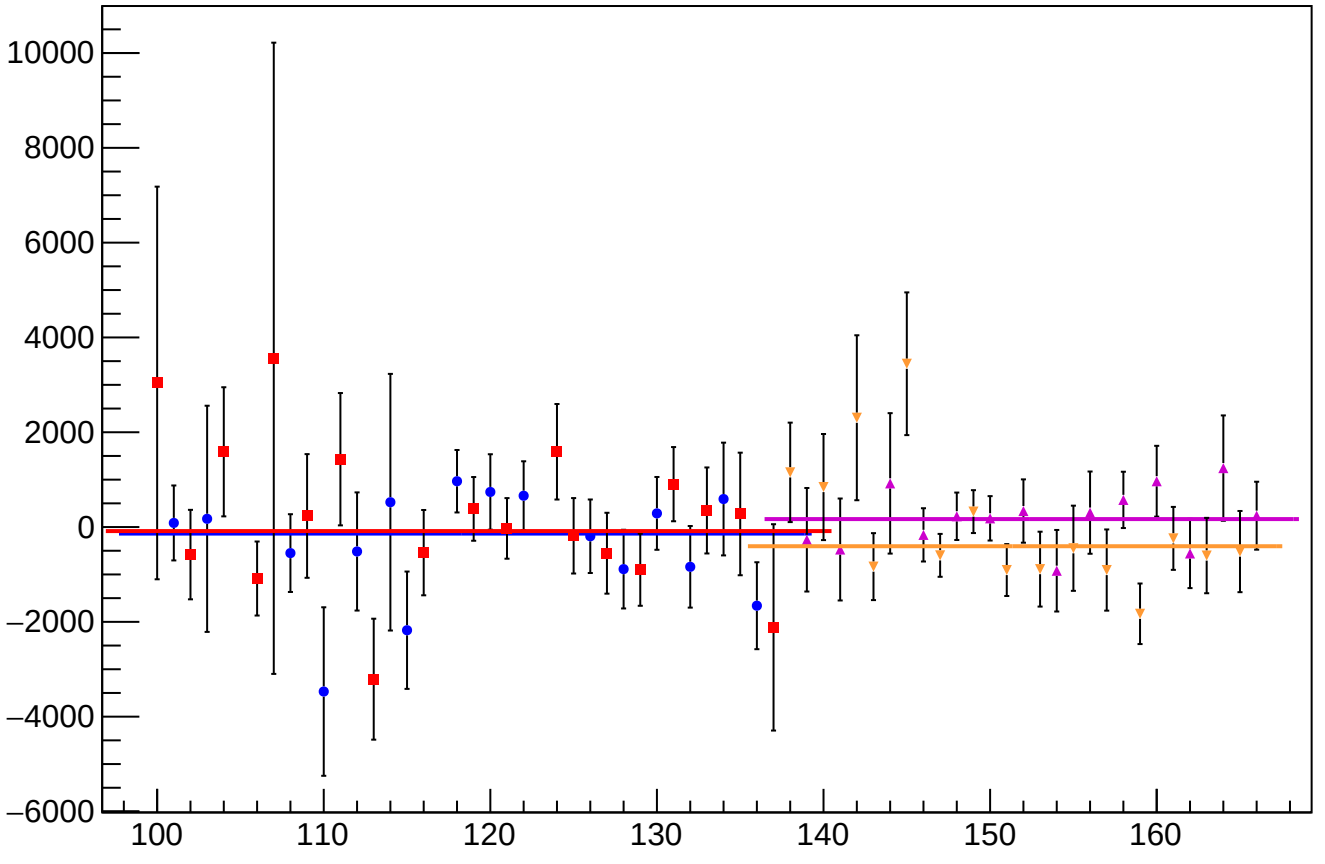
Left: 1818.957+/-0.266 χ^2/NDF: 14200.9/28

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1856.890+/-0.306 χ^2/NDF:676179.6/29

Out: 1874.679+/-0.304 χ^2/NDF:447862.4/33

All: 1865.821+/-0.216 χ^2/NDF: 1125742.6/63



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -404.621+/-184.235 χ^2/NDF:22.3/14

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 168.120+/-188.781 χ^2/NDF:6.4/13

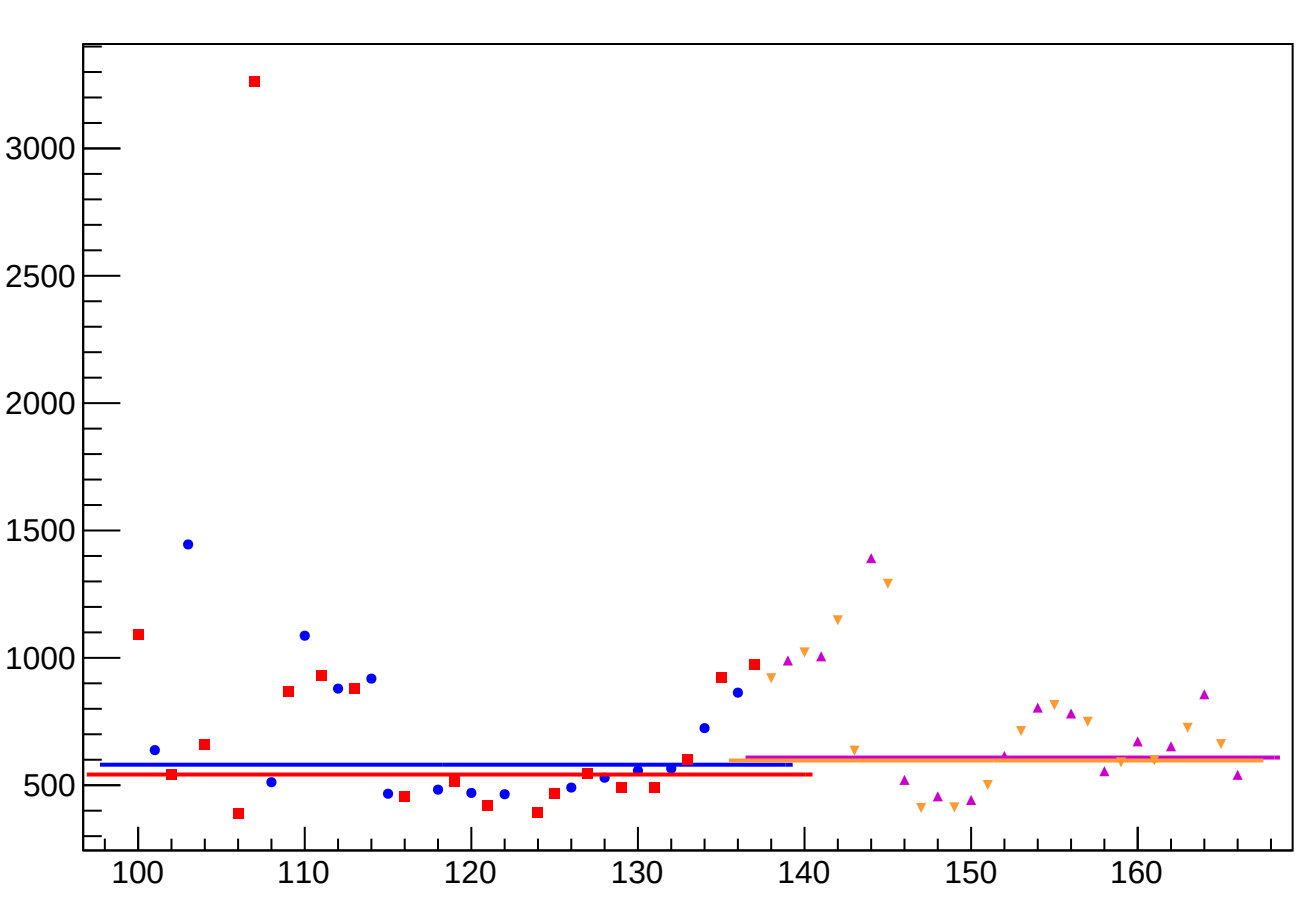
Left: -125.230+/-131.852 χ^2/NDF: 33.3/28

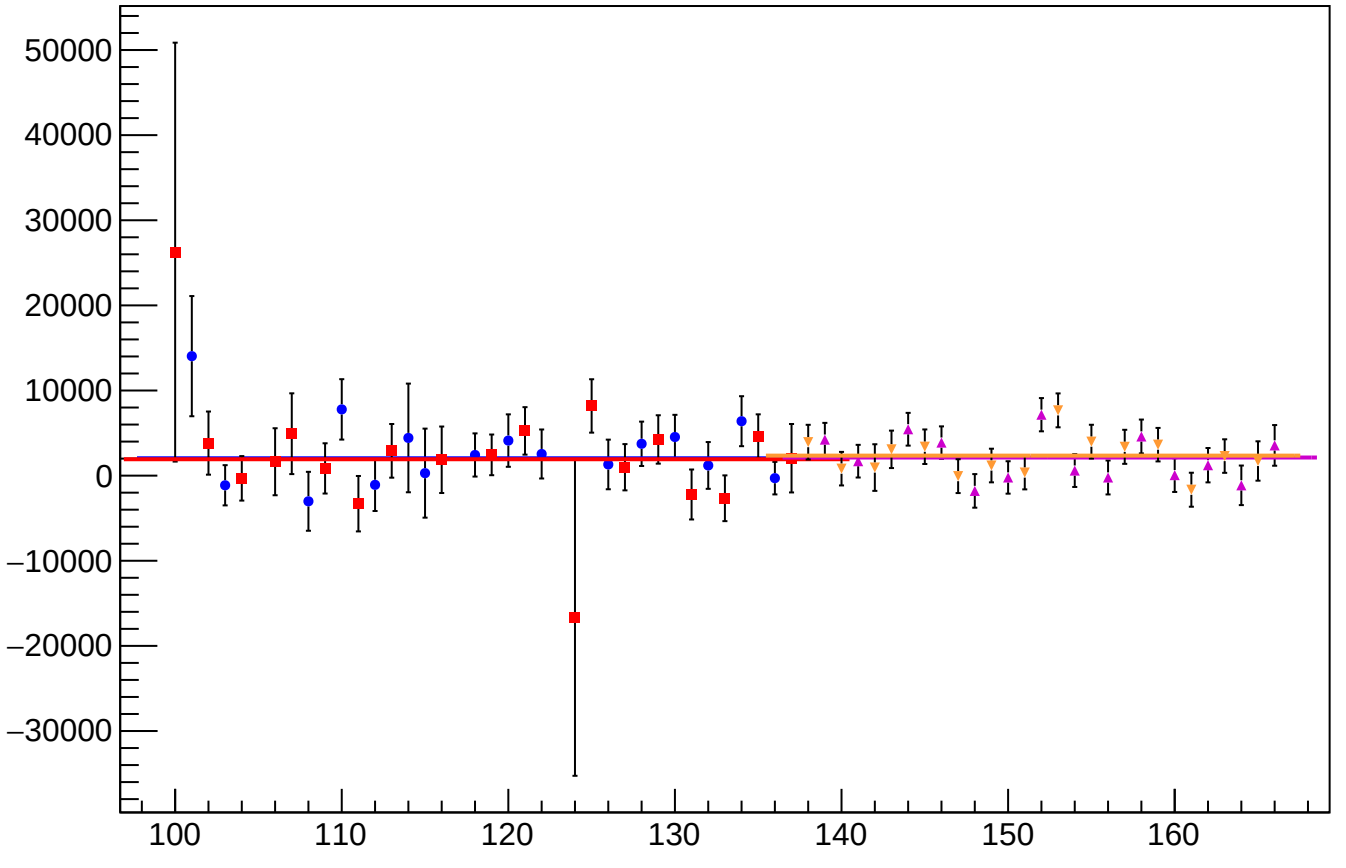
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 45.350+/-146.019 χ^2/NDF:24.3/29

Out: -274.165+/-141.742 χ^2/NDF:42.8/33

All: -119.156+/-101.705 χ^2/NDF: 69.5/63


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 597.018+/-0.130 χ²/NDF:2128329.1/14
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 608.603+/-0.133 χ²/NDF:1901483.1/13
Left: 602.669+/-0.093 χ²/NDF: 4033669.7/28
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 597.321+/-0.103 χ²/NDF:2922164.8/29
Out: 574.541+/-0.100 χ²/NDF:3520129.7/33
All: 585.592+/-0.072 χ²/NDF: 6467356.4/63



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2128.022+/-534.007 χ^2/NDF:24.3/13

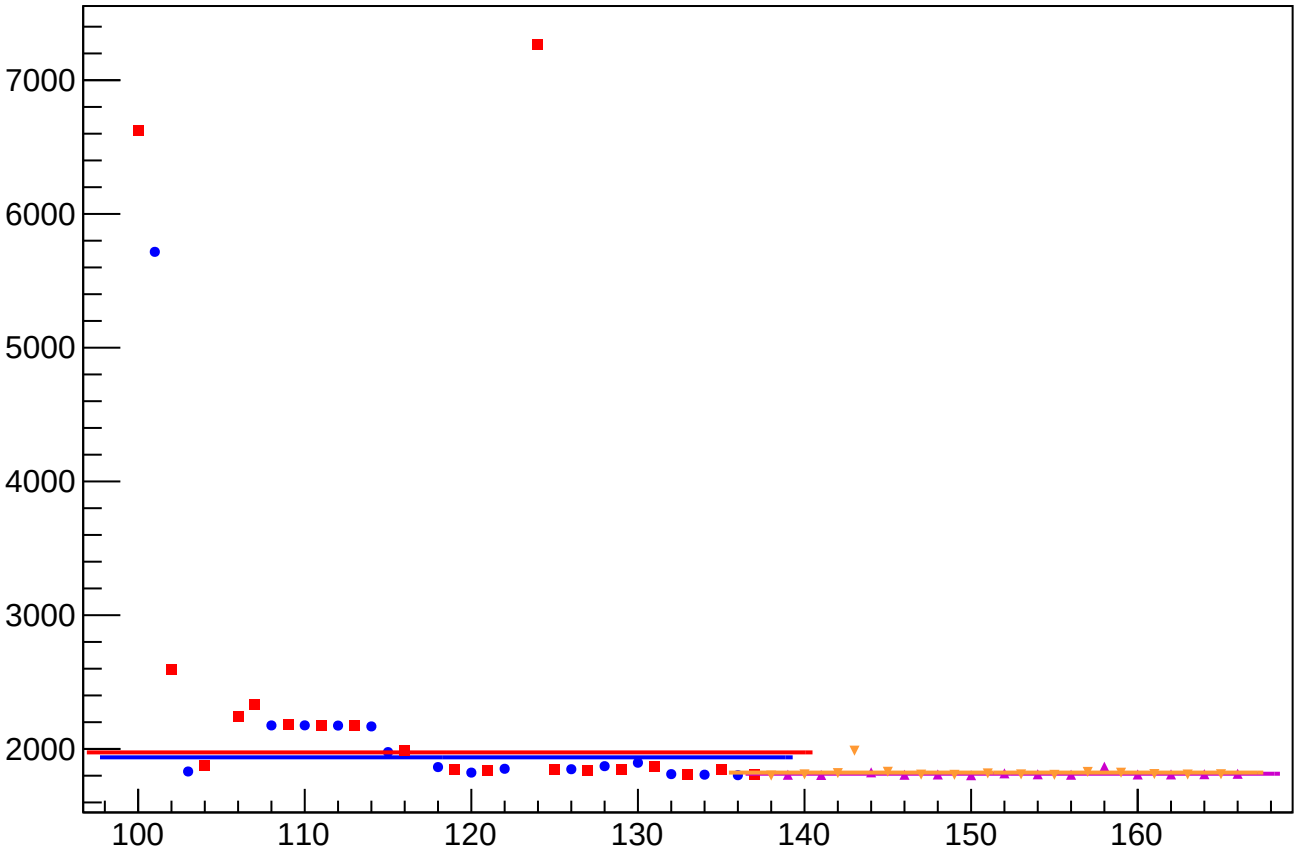
Left: 2240.380+/-376.266 χ^2/NDF: 41.7/28

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

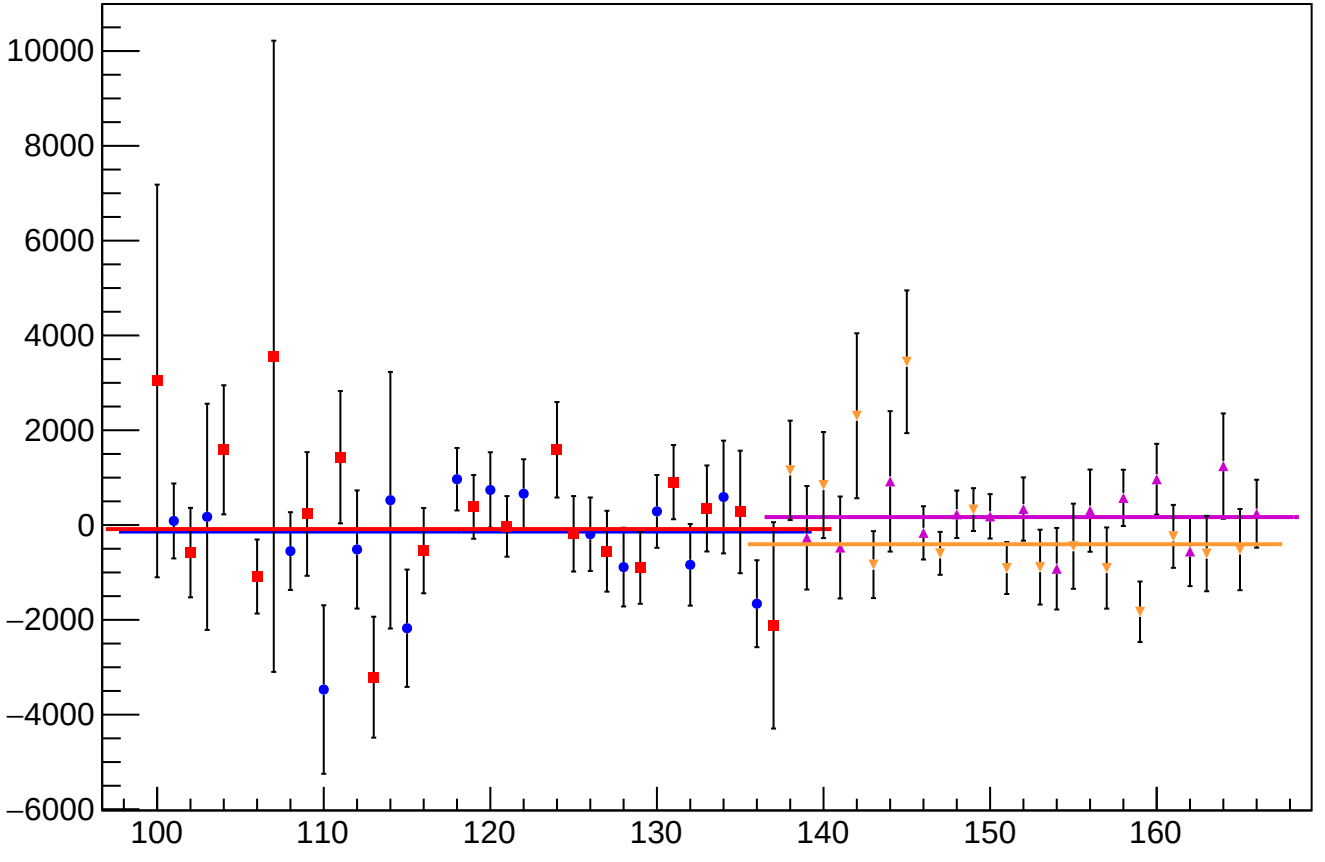
In: 2097.278+/-432.267 χ^2/NDF:40.7/29

Out: 2206.344+/-430.508 χ^2/NDF:35.9/33

All: 2152.033+/-305.035 χ^2/NDF: 76.7/63


eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1937.251+/-0.521 χ²/NDF: 638092.5/15
Left Out: 1823.243+/-0.375 χ²/NDF:12217.5/14
Right Out: 1974.155+/-0.521 χ²/NDF: 380430.7/18
Left In: 1814.610+/-0.378 χ²/NDF:1720.1/13
Left: 1818.957+/-0.266 χ²/NDF: 14200.9/28
Right: 1955.673+/-0.368 χ²/NDF: 1021031.8/34
In: 1856.890+/-0.306 χ²/NDF:676179.6/29
Out: 1874.679+/-0.304 χ²/NDF:447862.4/33
All: 1865.821+/-0.216 χ²/NDF: 1125742.6/63

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -404.621+/-184.235 χ^2/NDF:22.3/14

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 168.120+/-188.781 χ^2/NDF:6.4/13

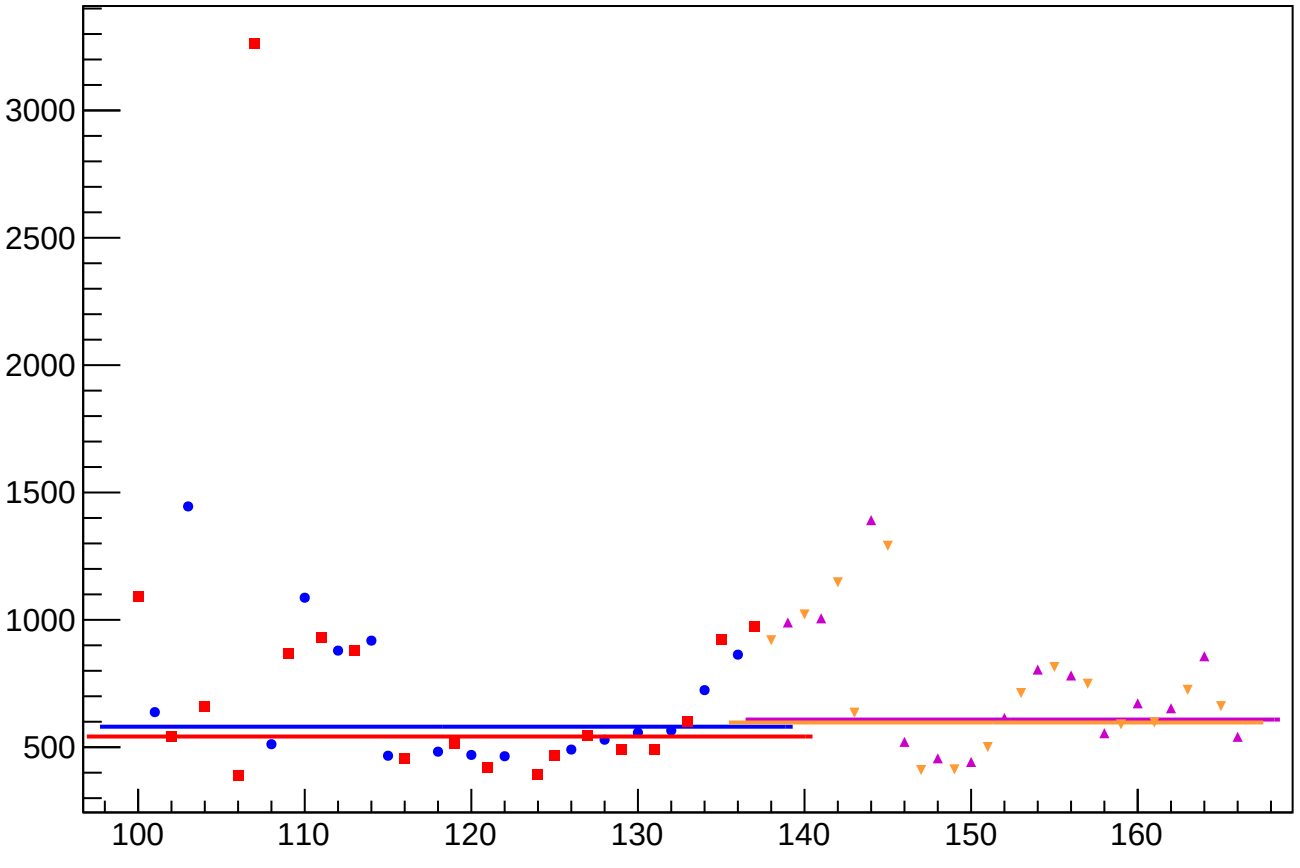
Left: -125.230+/-131.852 χ^2/NDF: 33.3/28

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

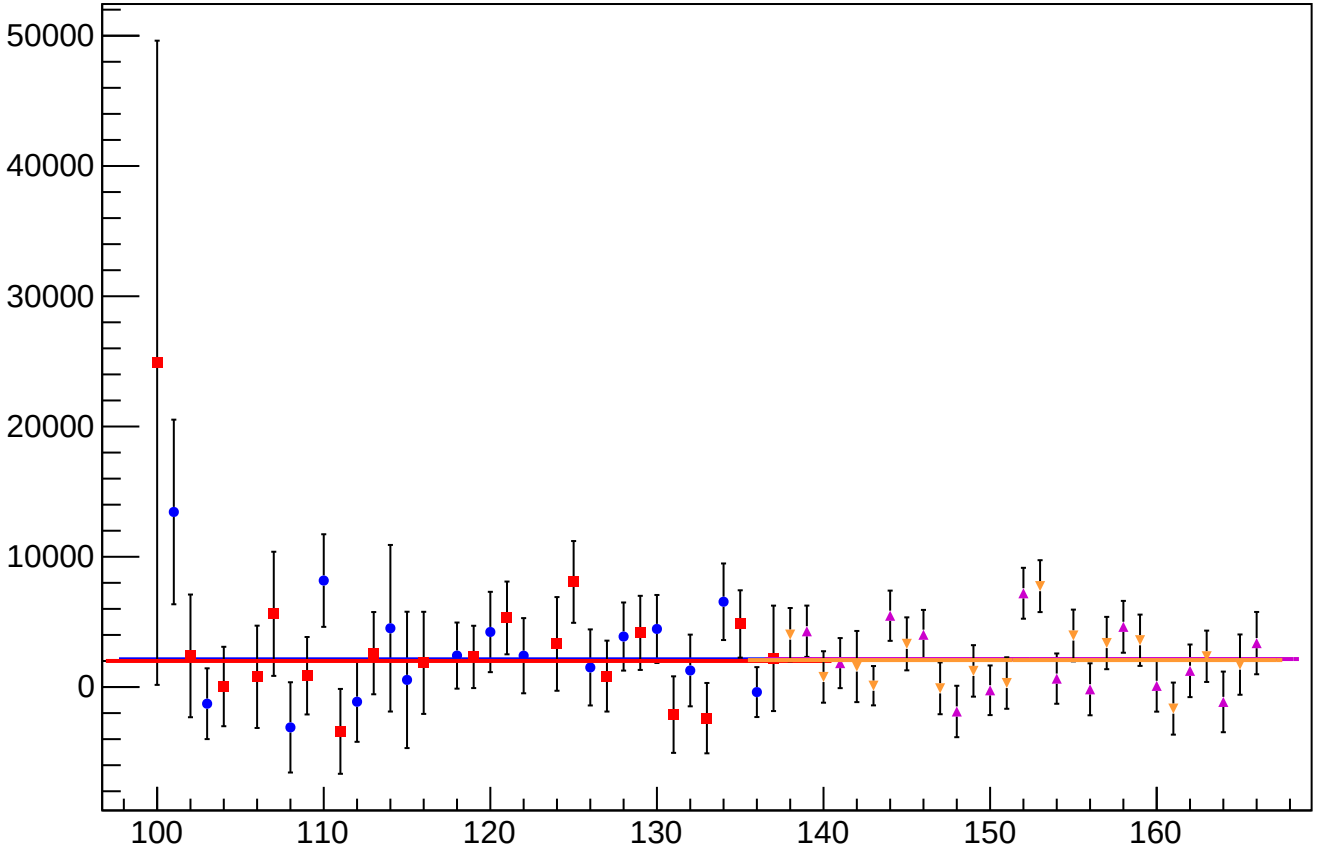
In: 45.350+/-146.019 χ^2/NDF:24.3/29

Out: -274.165+/-141.742 χ^2/NDF:42.8/33

All: -119.156+/-101.705 χ^2/NDF: 69.5/63


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 597.018+/-0.130 χ²/NDF:2128329.1/14
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 608.603+/-0.133 χ²/NDF:1901483.1/13
Left: 602.669+/-0.093 χ²/NDF: 4033669.7/28
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 597.321+/-0.103 χ²/NDF:2922164.8/29
Out: 574.541+/-0.100 χ²/NDF:3520129.7/33
All: 585.592+/-0.072 χ²/NDF: 6467356.4/63

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2150.002+/-534.606 χ^2/NDF:24.6/13

Left: 2108.265+/-370.627 χ^2/NDF: 43.8/28

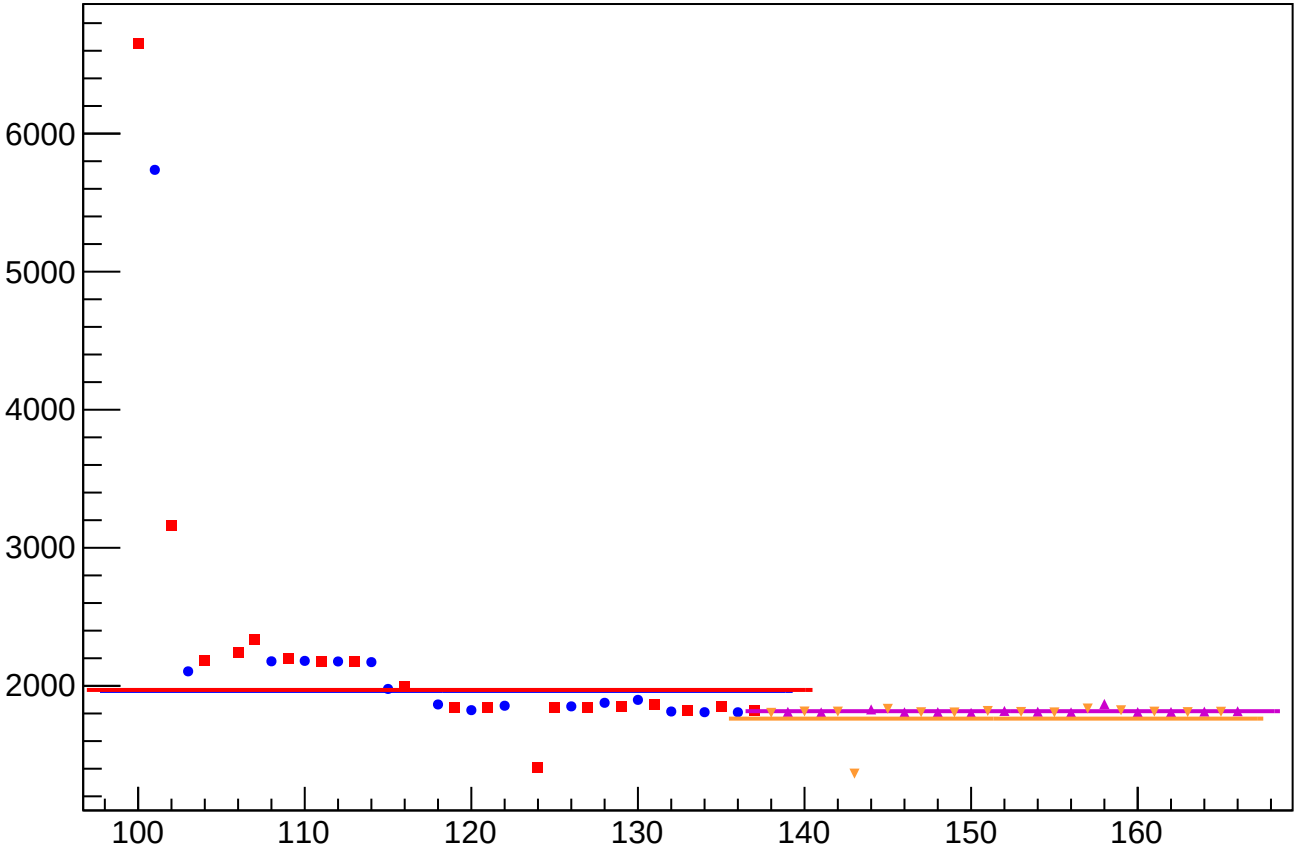
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2142.794+/-434.592 χ^2/NDF:41.1/29

Out: 2047.571+/-421.784 χ^2/NDF:35.9/33

All: 2093.758+/-302.673 χ^2/NDF: 77.1/63

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.623+/-0.378 χ^2/NDF:1755.4/13

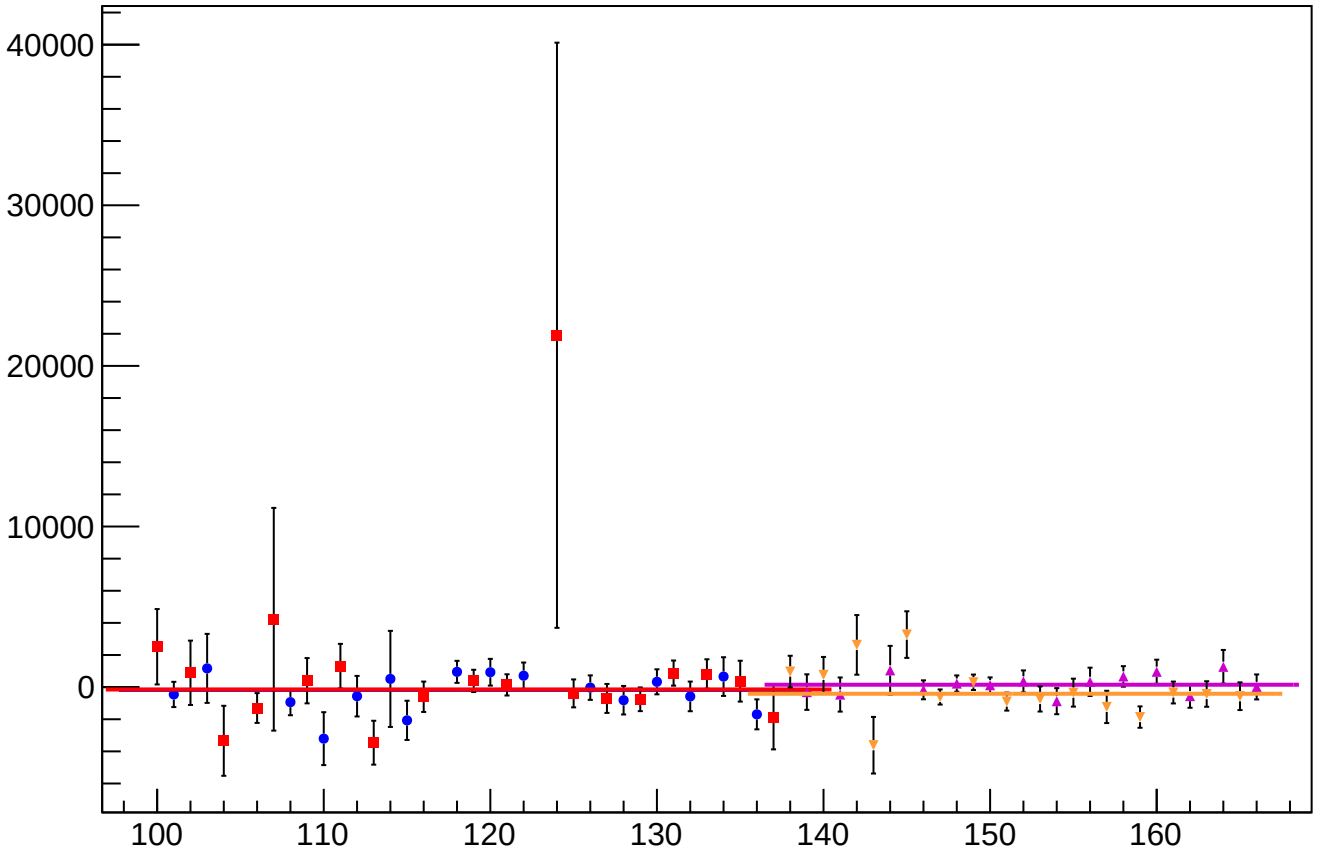
Left: 1788.659+/-0.262 χ^2/NDF: 170495.6/28

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1866.409+/-0.307 χ^2/NDF:693150.5/29

Out: 1830.765+/-0.298 χ^2/NDF:610103.6/33

All: 1848.054+/-0.214 χ^2/NDF: 1310182.2/63



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.659+/-195.312 χ^2/NDF:24.3/14

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 149.542+/-193.315 χ^2/NDF:6.8/13

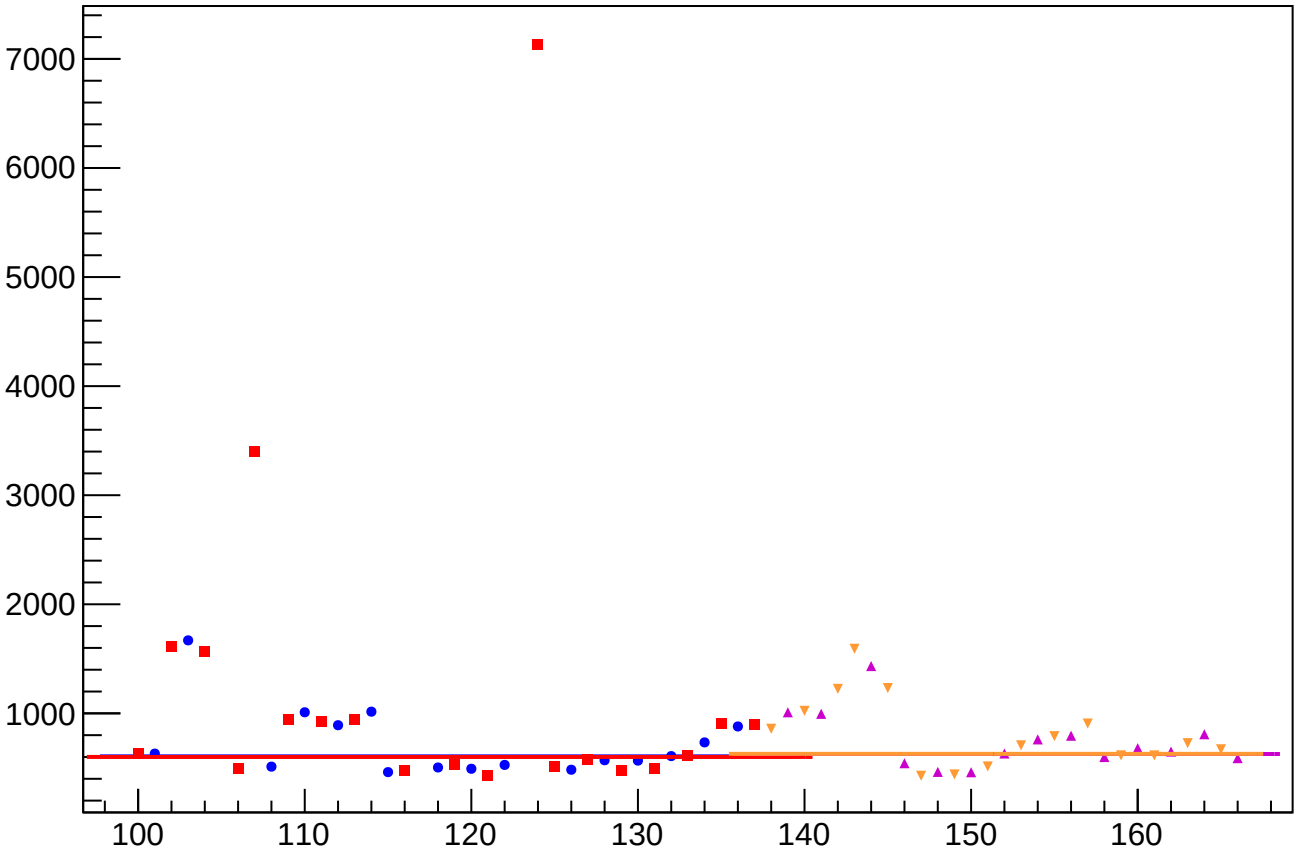
Left: -128.670+/-137.395 χ^2/NDF: 35.3/28

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.513+/-149.779 χ^2/NDF:25.1/29

Out: -308.508+/-152.196 χ^2/NDF:45.1/33

All: -140.856+/-106.754 χ^2/NDF: 72.7/63



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 628.661+/-0.138 χ^2/NDF:2542511.4/14

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 627.326+/-0.137 χ^2/NDF:1733947.6/13

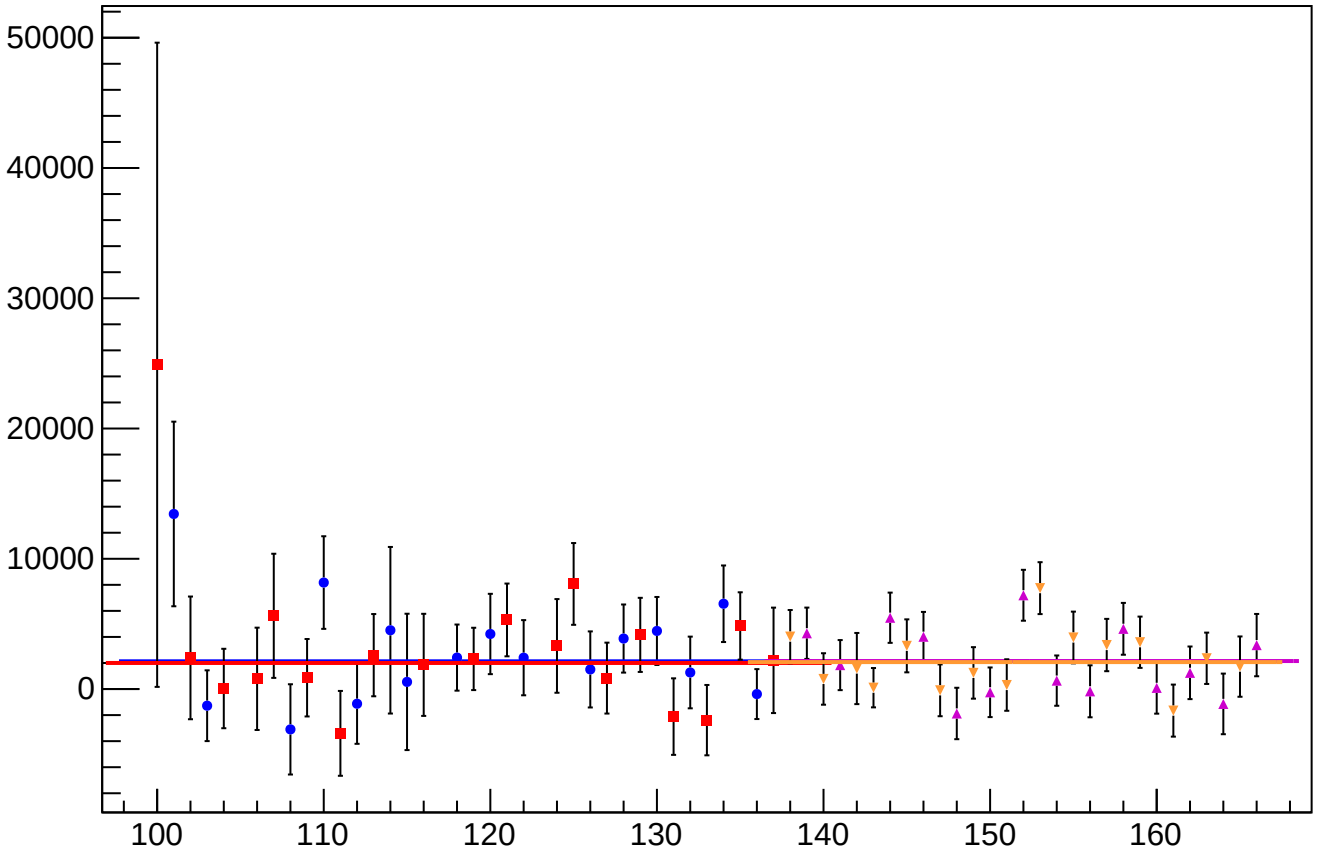
Left: 627.987+/-0.097 χ^2/NDF: 4276506.2/28

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 618.574+/-0.106 χ^2/NDF:2906657.7/29

Out: 617.579+/-0.108 χ^2/NDF:4887428.1/33

All: 618.085+/-0.075 χ^2/NDF: 7794129.2/63



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2150.003+/-534.606 χ^2/NDF:24.6/13

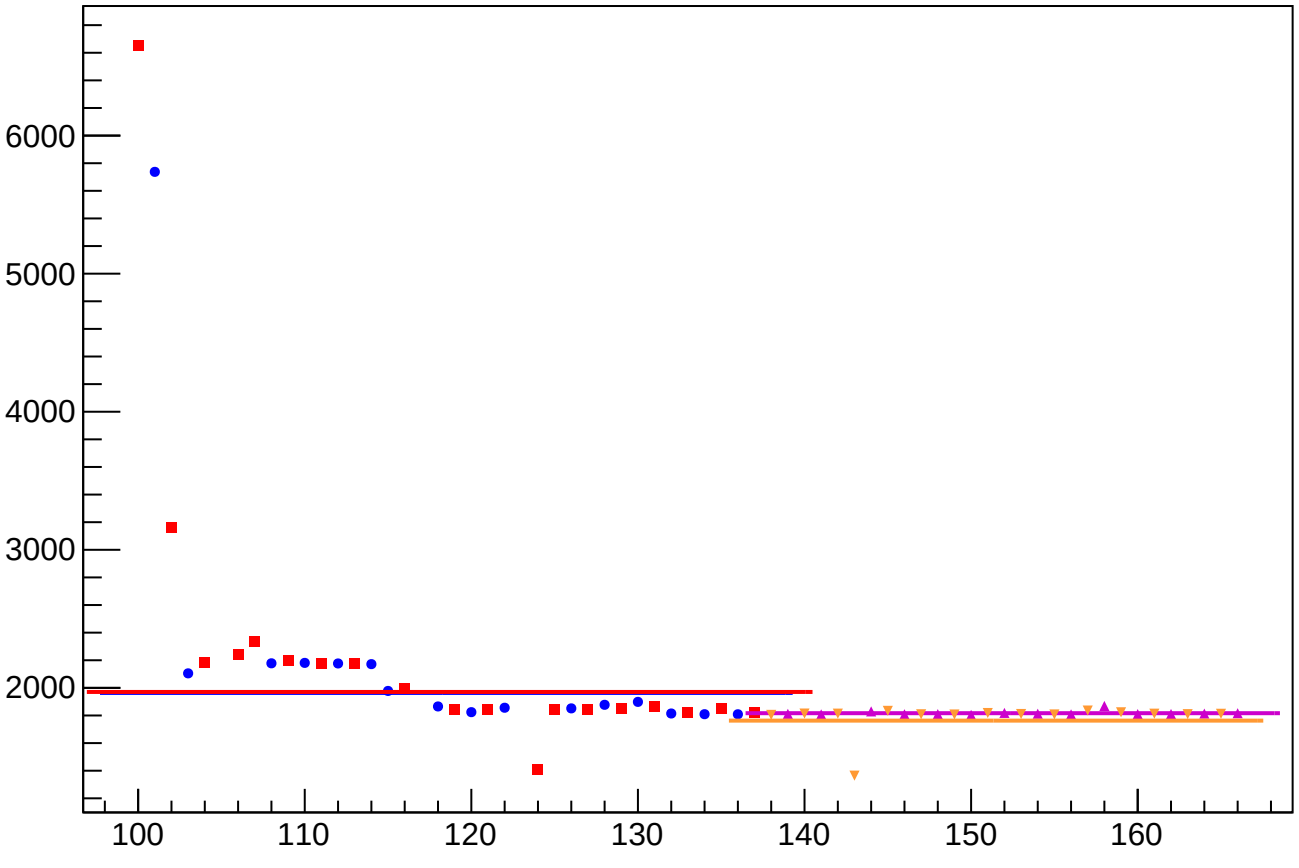
Left: 2108.265+/-370.627 χ^2/NDF: 43.8/28

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2142.793+/-434.592 χ^2/NDF:41.1/29

Out: 2047.571+/-421.784 χ^2/NDF:35.9/33

All: 2093.758+/-302.673 χ^2/NDF: 77.1/63



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.623+/-0.378 χ^2/NDF:1755.4/13

Left: 1788.659+/-0.262 χ^2/NDF: 170495.6/28

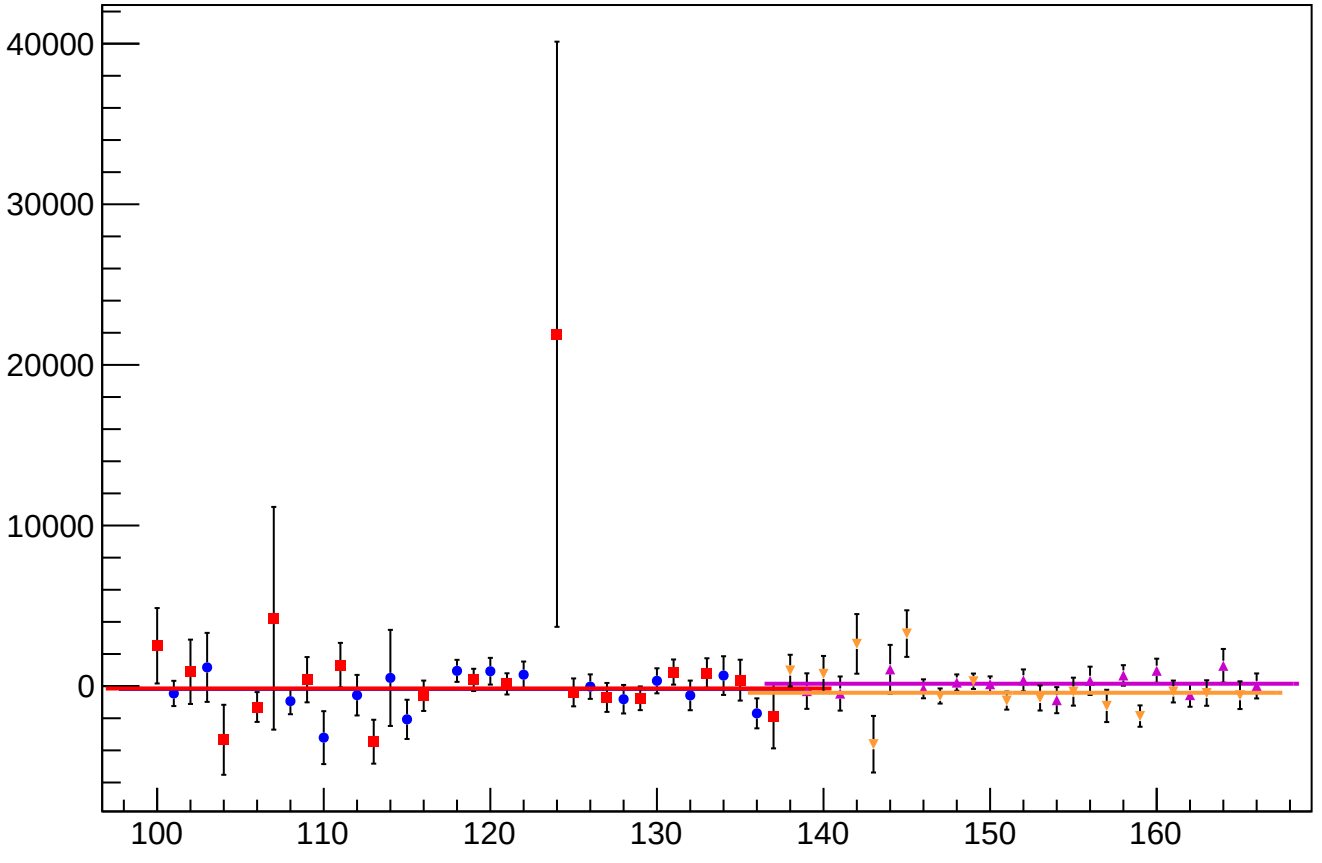
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1866.409+/-0.307 χ^2/NDF:693150.0/29

Out: 1830.765+/-0.298 χ^2/NDF:610102.1/33

All: 1848.054+/-0.214 χ^2/NDF: 1310180.2/63

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.660+/-195.312 χ^2/NDF:24.3/14

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 149.542+/-193.316 χ^2/NDF:6.8/13

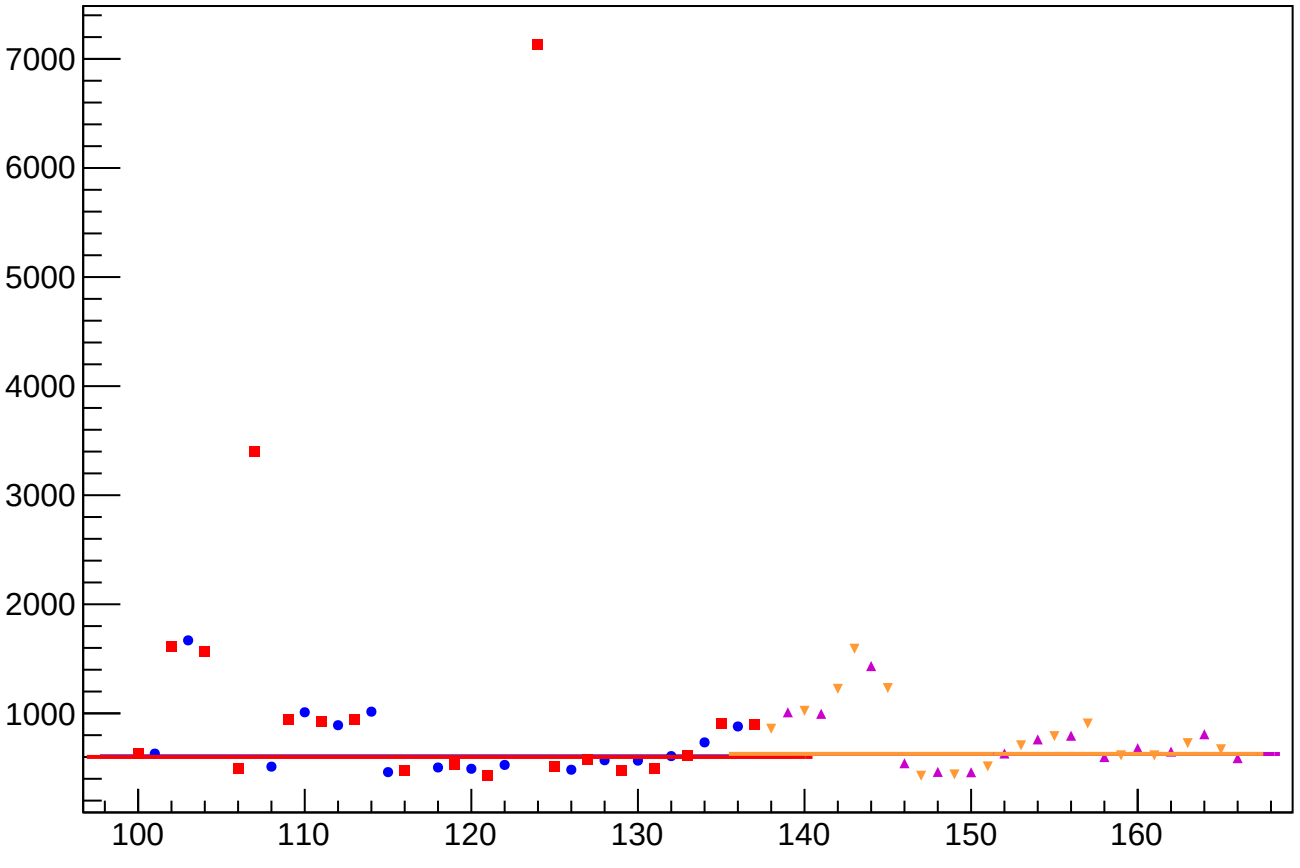
Left: -128.671+/-137.395 χ^2/NDF: 35.3/28

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.513+/-149.779 χ^2/NDF:25.1/29

Out: -308.508+/-152.196 χ^2/NDF:45.1/33

All: -140.856+/-106.754 χ^2/NDF: 72.7/63



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 628.662+/-0.138 χ^2/NDF:2542503.5/14

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 627.327+/-0.137 χ^2/NDF:1733942.8/13

Left: 627.988+/-0.097 χ^2/NDF: 4276493.5/28

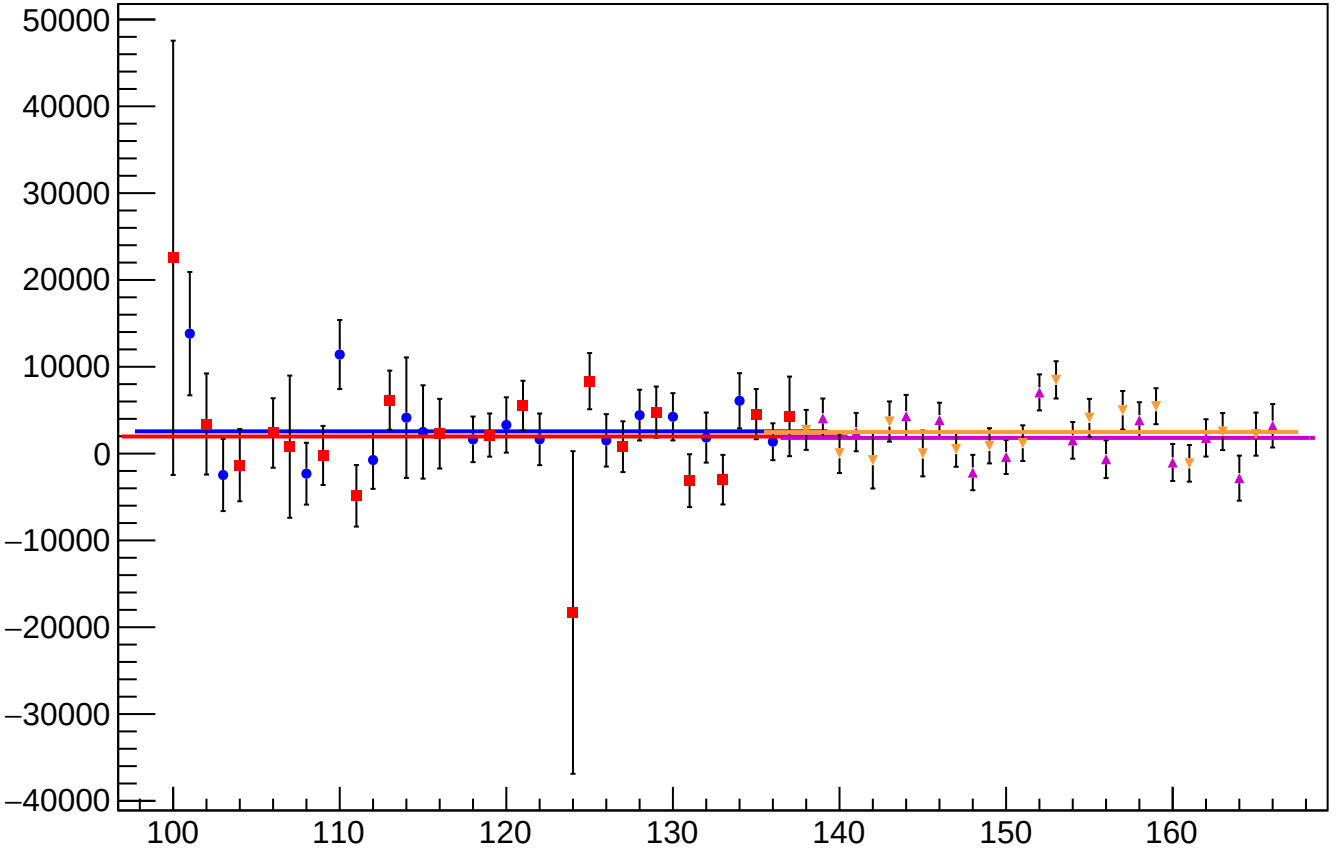
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 618.574+/-0.106 χ^2/NDF:2906662.9/29

Out: 617.580+/-0.108 χ^2/NDF:4887430.5/33

All: 618.085+/-0.075 χ^2/NDF: 7794136.7/63

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2478.621+/-577.761 χ^2/NDF:19.9/14

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1806.885+/-581.270 χ^2/NDF:22.2/13

Left: 2144.786+/-409.774 χ^2/NDF: 42.7/28

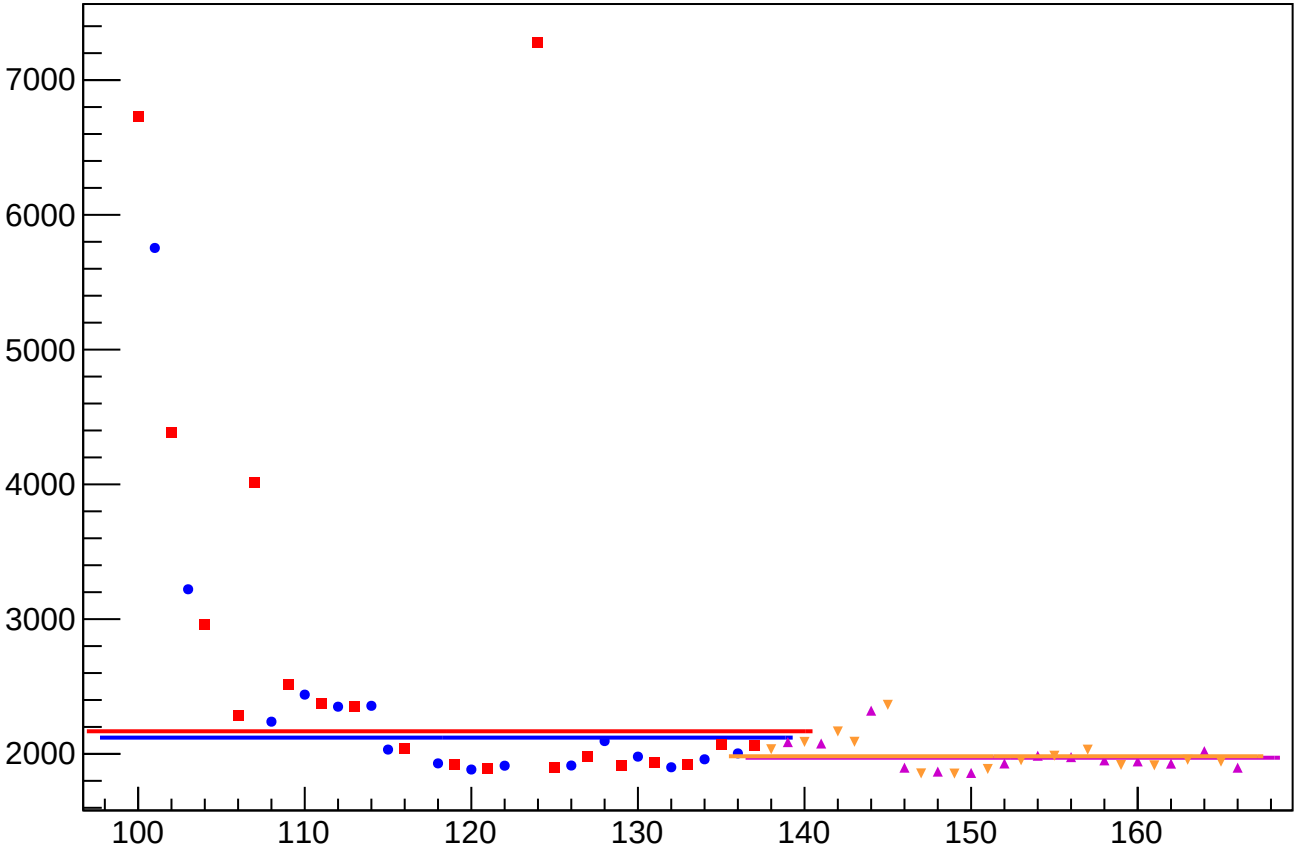
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2063.358+/-472.186 χ^2/NDF:37.4/29

Out: 2308.480+/-472.078 χ^2/NDF:41.7/33

All: 2185.947+/-333.848 χ^2/NDF: 79.2/63

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1982.410+/-0.409 χ^2/NDF:84154.0/14

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1971.545+/-0.411 χ^2/NDF:69572.3/13

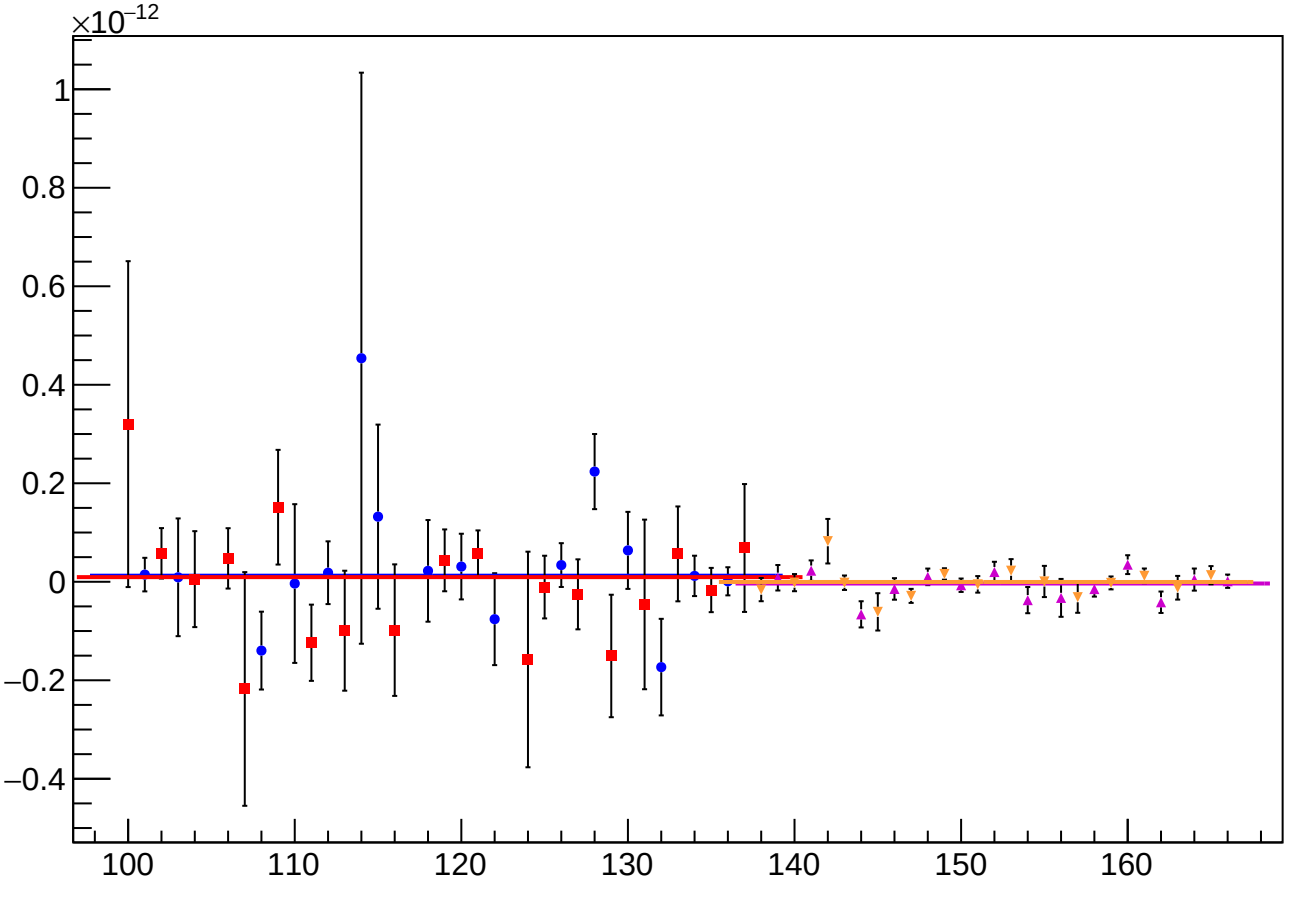
Left: 1977.010+/-0.290 χ^2/NDF: 154077.8/28

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2022.301+/-0.334 χ^2/NDF:874377.2/29

Out: 2044.043+/-0.334 χ^2/NDF:976553.7/33

All: 2033.174+/-0.236 χ^2/NDF: 1853051.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/13

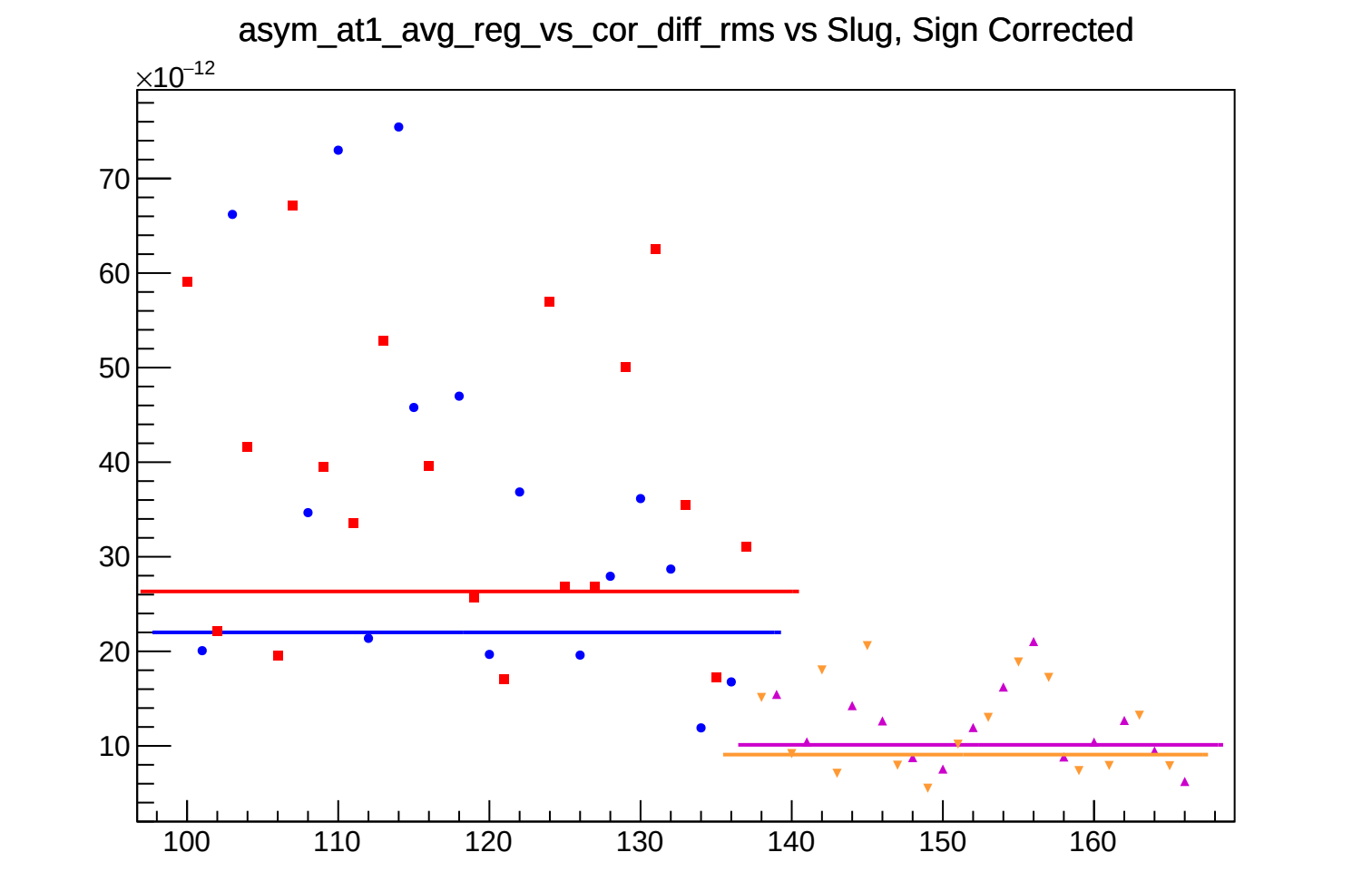
Left: -0.000+/-0.000 χ^2/NDF: 35.6/28

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:38.4/29

Out: 0.000+/-0.000 χ^2/NDF:29.8/33

All: -0.000+/-0.000 χ^2/NDF: 68.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1133263.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:735543.2/13

Left: 0.000+/-0.000 χ^2/NDF: 1912577.9/28

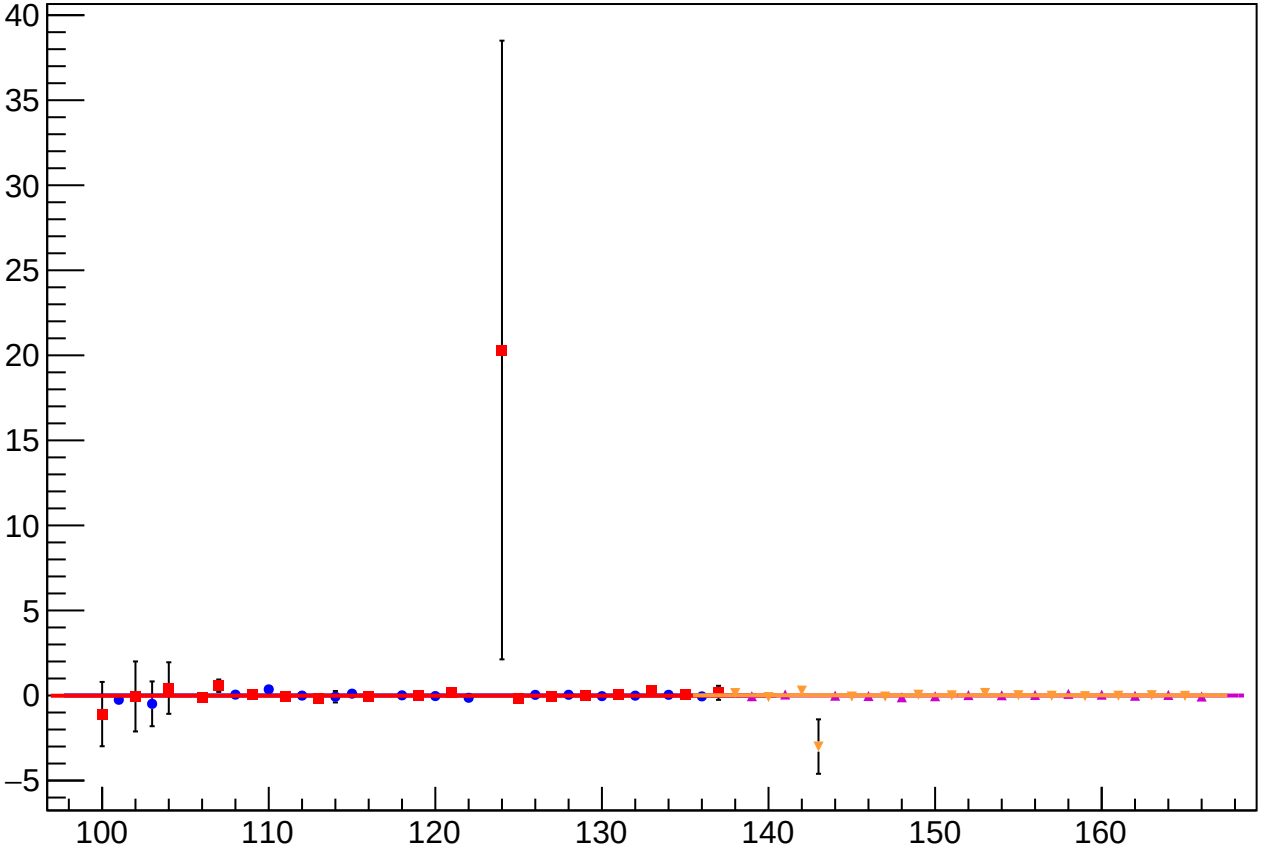
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2928147.9/29

Out: 0.000+/-0.000 χ^2/NDF:3553582.0/33

All: 0.000+/-0.000 χ^2/NDF: 6552571.2/63

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.005+/-0.011 χ^2/NDF: 36.3/28

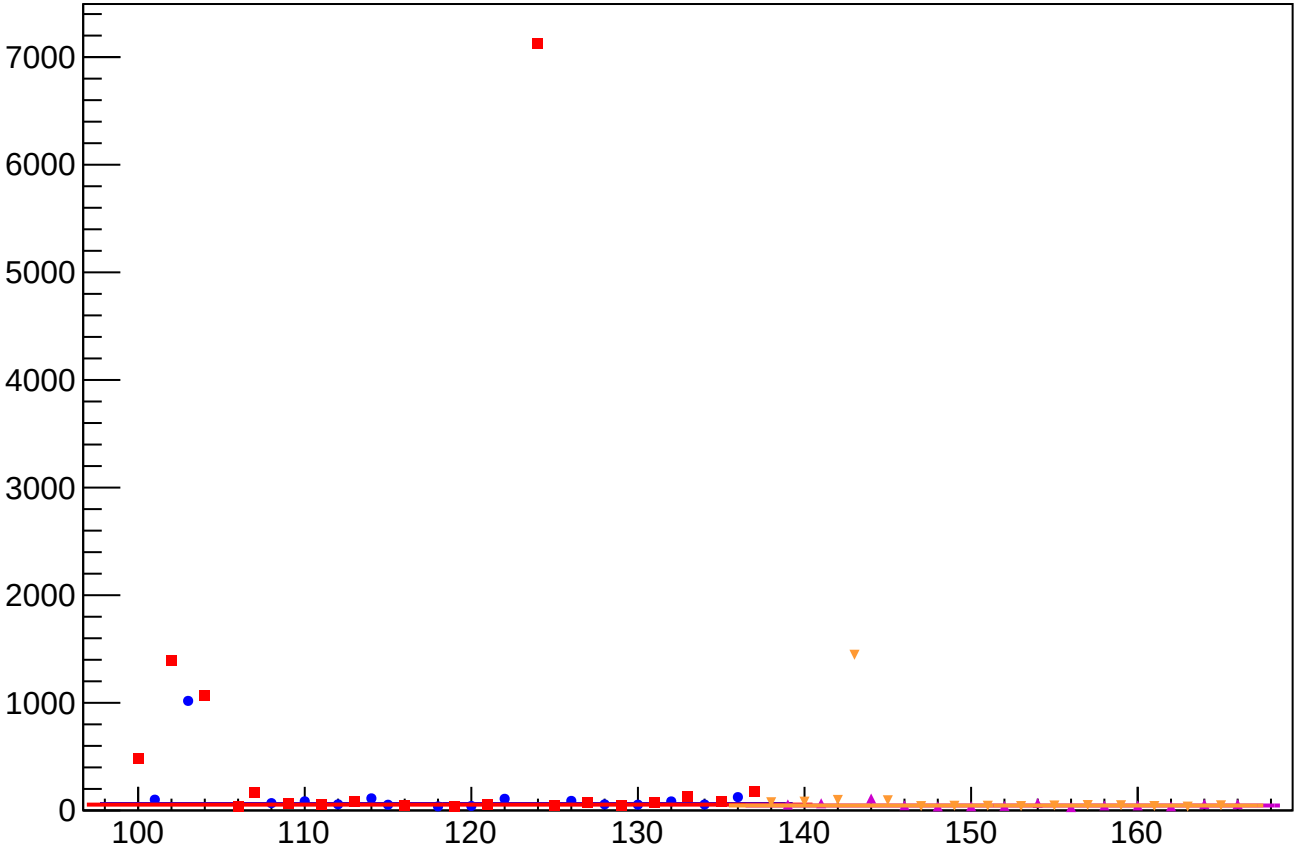
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.003+/-0.009 χ^2/NDF: 65.7/63

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815746.5/14

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.984+/-0.011 χ^2/NDF:1471245.8/13

Left: 46.105+/-0.008 χ^2/NDF: 4287248.7/28

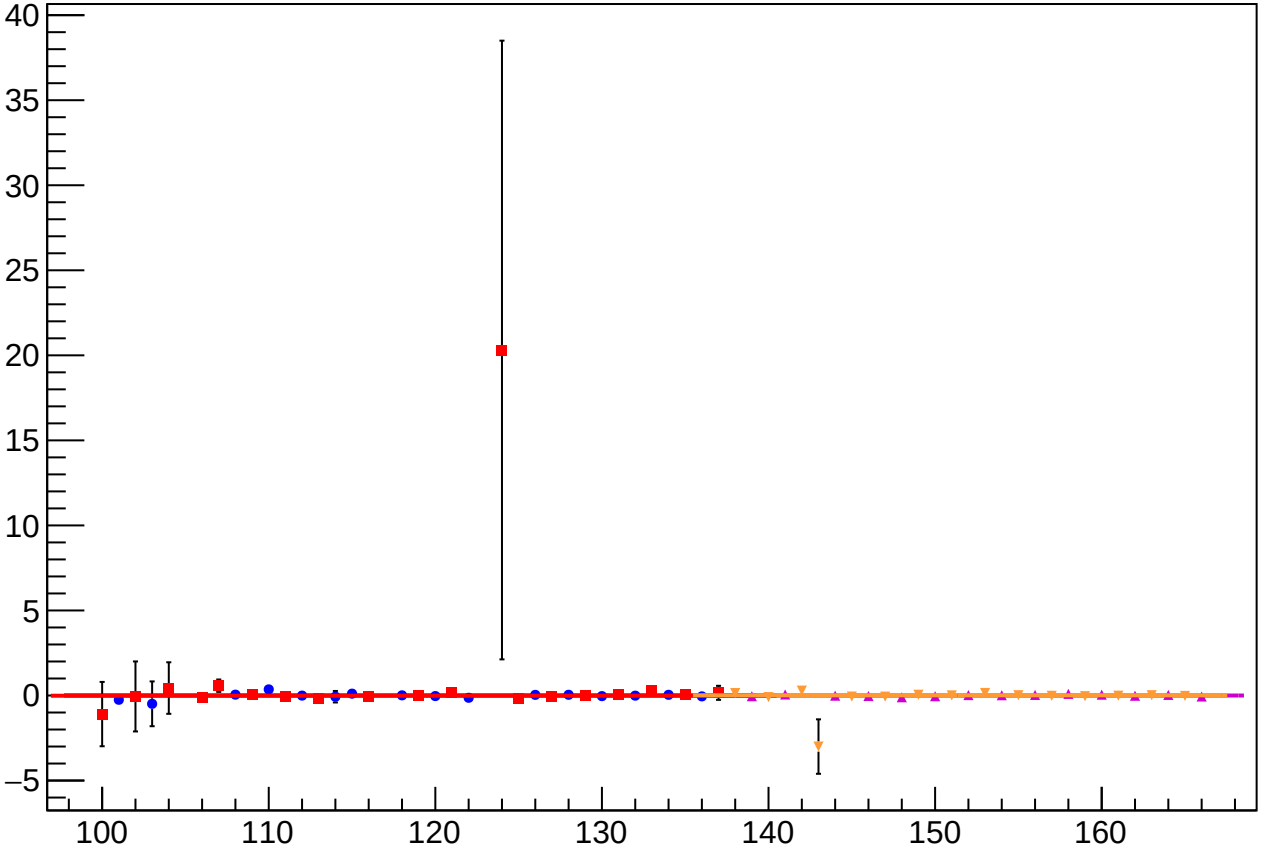
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.408+/-0.009 χ^2/NDF:4415062.9/29

Out: 48.386+/-0.009 χ^2/NDF:6478421.2/33

All: 48.901+/-0.007 χ^2/NDF: 10899359.2/63

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.005+/-0.011 χ^2/NDF: 36.3/28

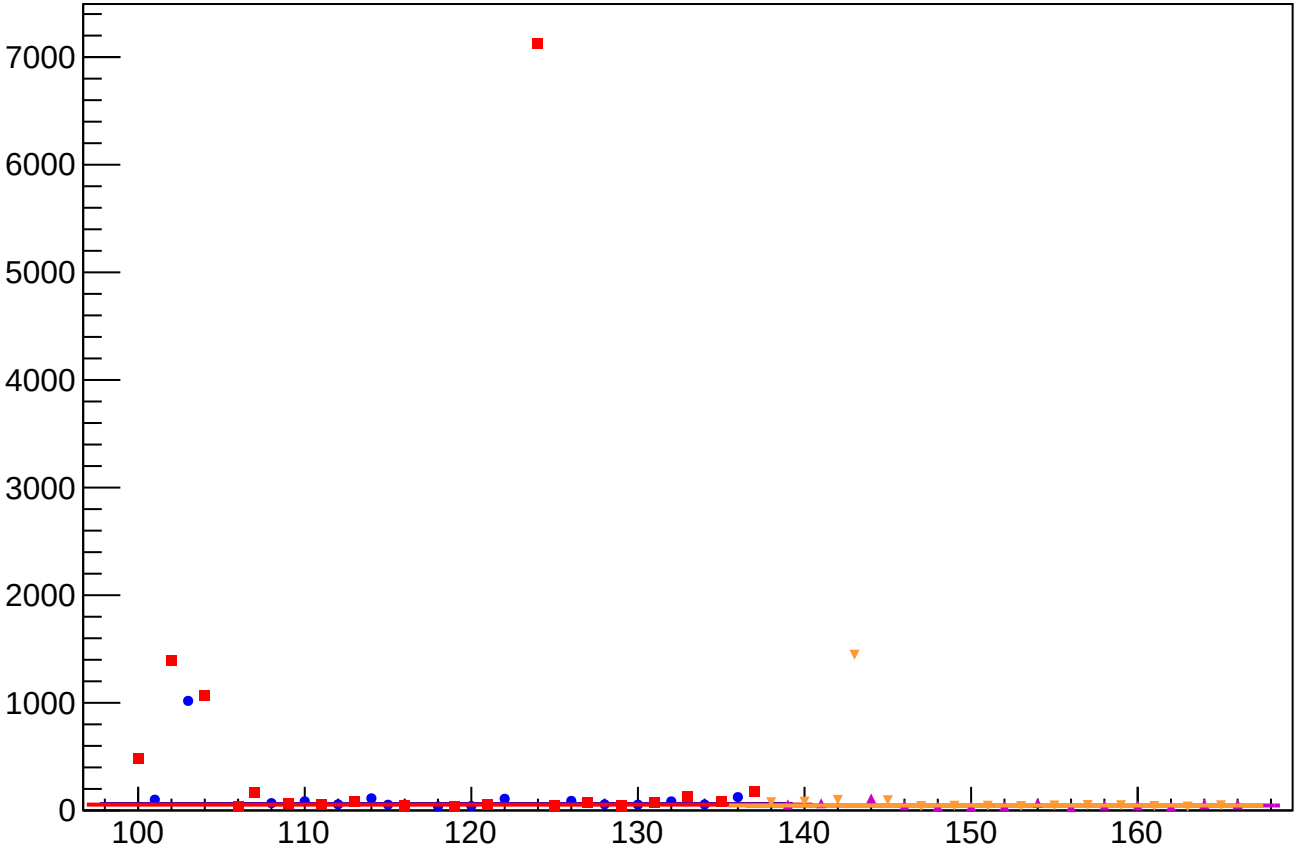
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.003+/-0.009 χ^2/NDF: 65.7/63

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815746.5/14

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.984+/-0.011 χ^2/NDF:1471245.8/13

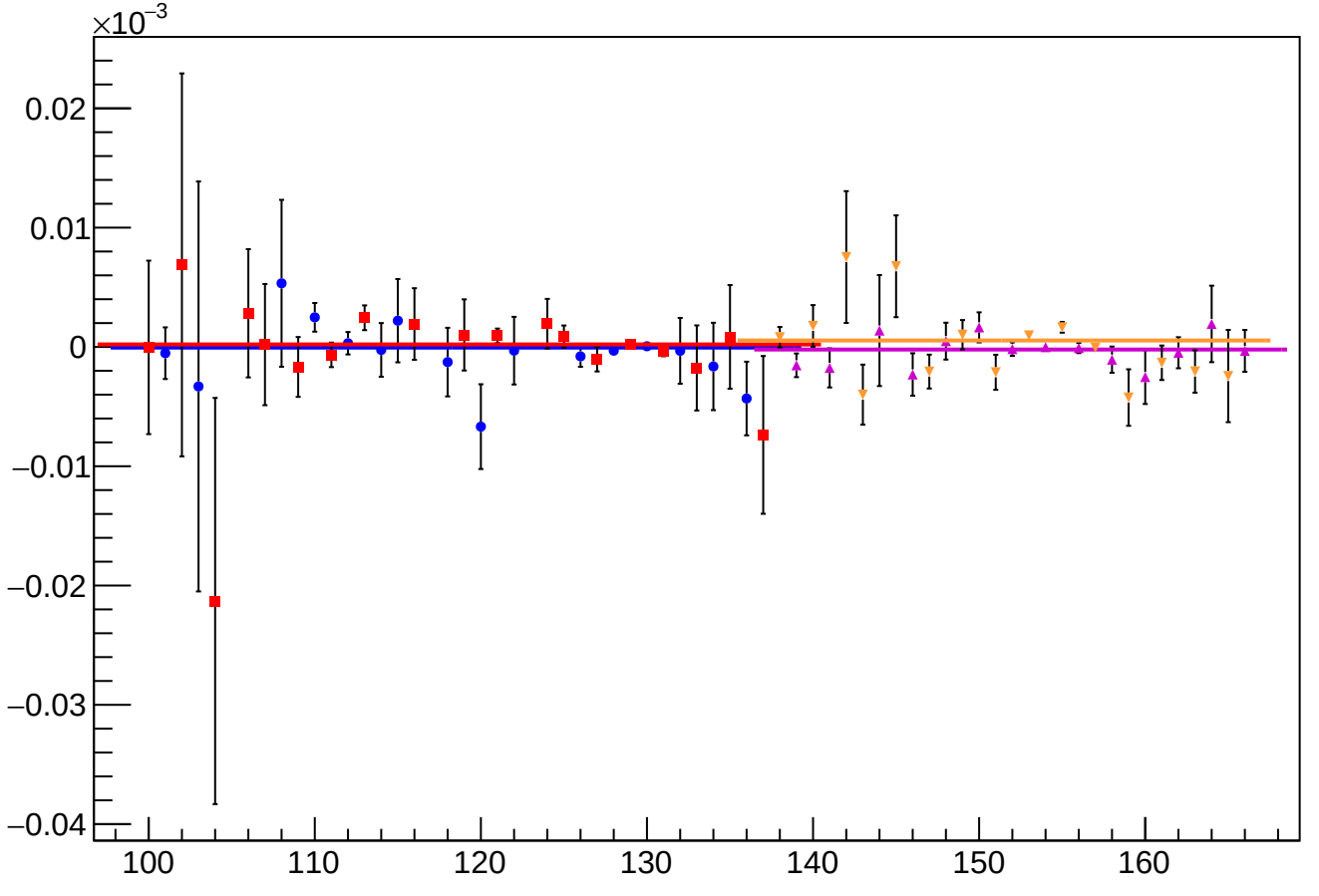
Left: 46.105+/-0.008 χ^2/NDF: 4287248.7/28

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.408+/-0.009 χ^2/NDF:4415062.9/29

Out: 48.386+/-0.009 χ^2/NDF:6478421.2/33

All: 48.901+/-0.007 χ^2/NDF: 10899359.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/13

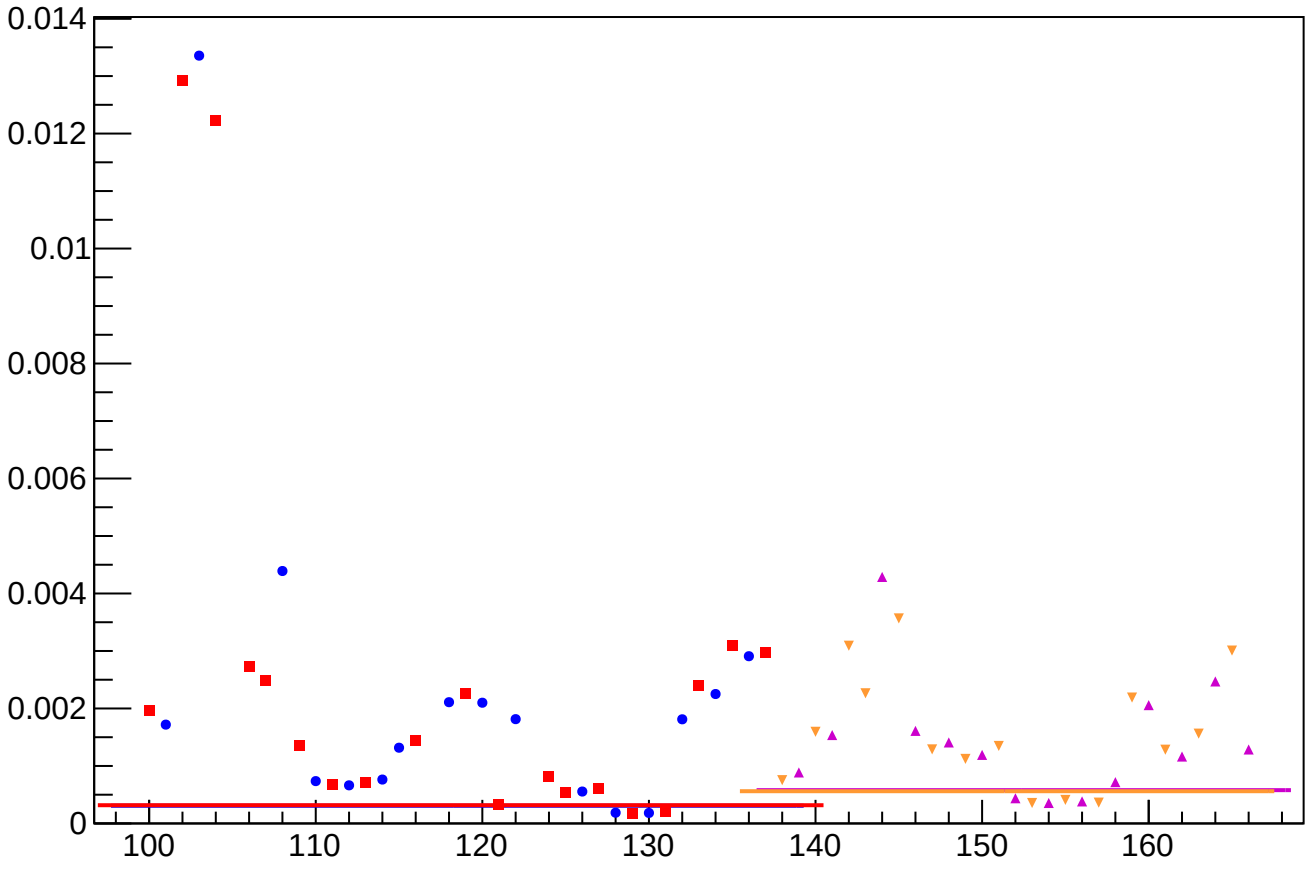
Left: 0.000+/-0.000 χ^2/NDF: 47.5/28

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.2/29

Out: 0.000+/-0.000 χ^2/NDF:49.3/33

All: 0.000+/-0.000 χ^2/NDF: 77.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:8799801.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7419692.8/13

Left: 0.001+/-0.000 χ^2/NDF: 16226730.1/28

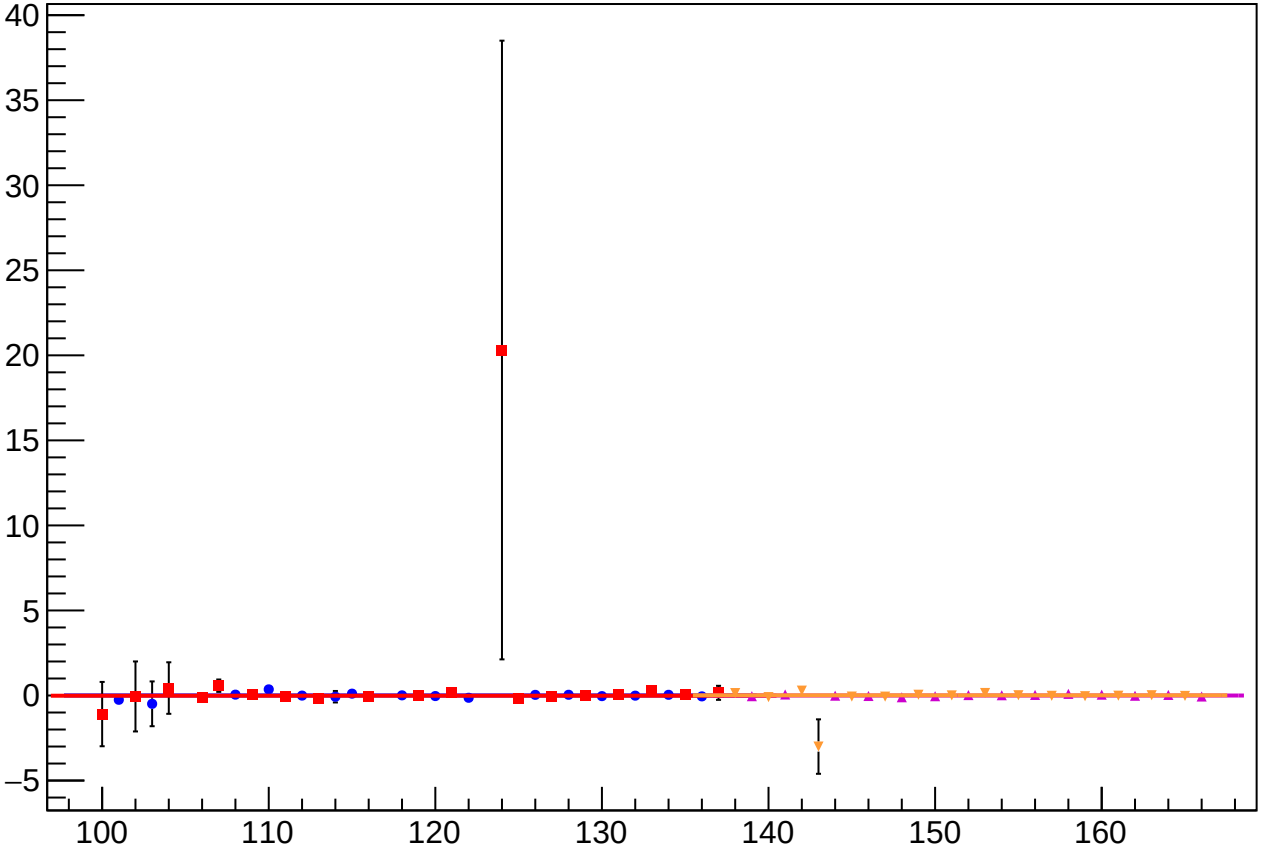
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:17874034.6/29

Out: 0.000+/-0.000 χ^2/NDF:18264501.2/33

All: 0.000+/-0.000 χ^2/NDF: 36138742.0/63

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.005+/-0.011 χ^2/NDF: 36.3/28

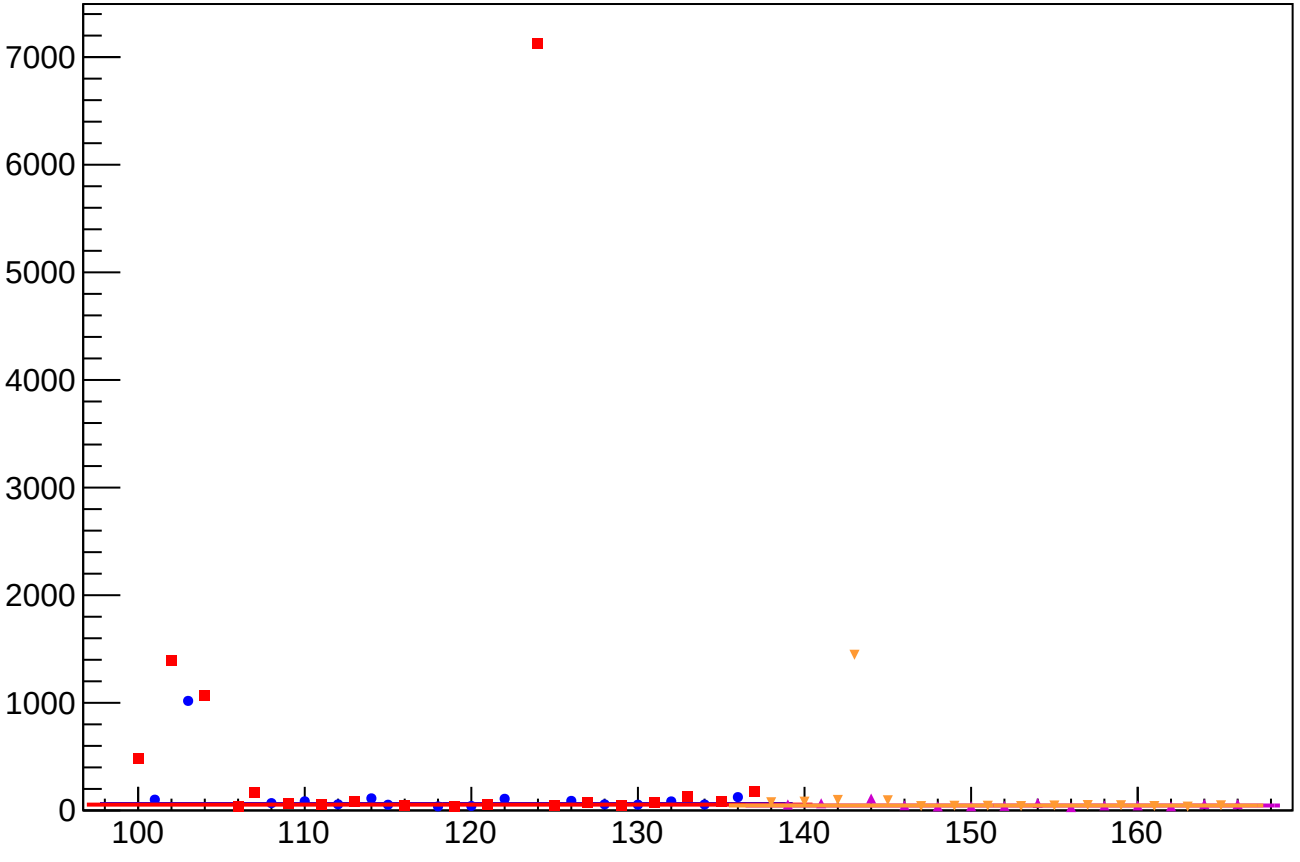
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.003+/-0.009 χ^2/NDF: 65.7/63

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815731.0/14

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.984+/-0.011 χ^2/NDF:1471249.8/13

Left: 46.105+/-0.008 χ^2/NDF: 4287237.7/28

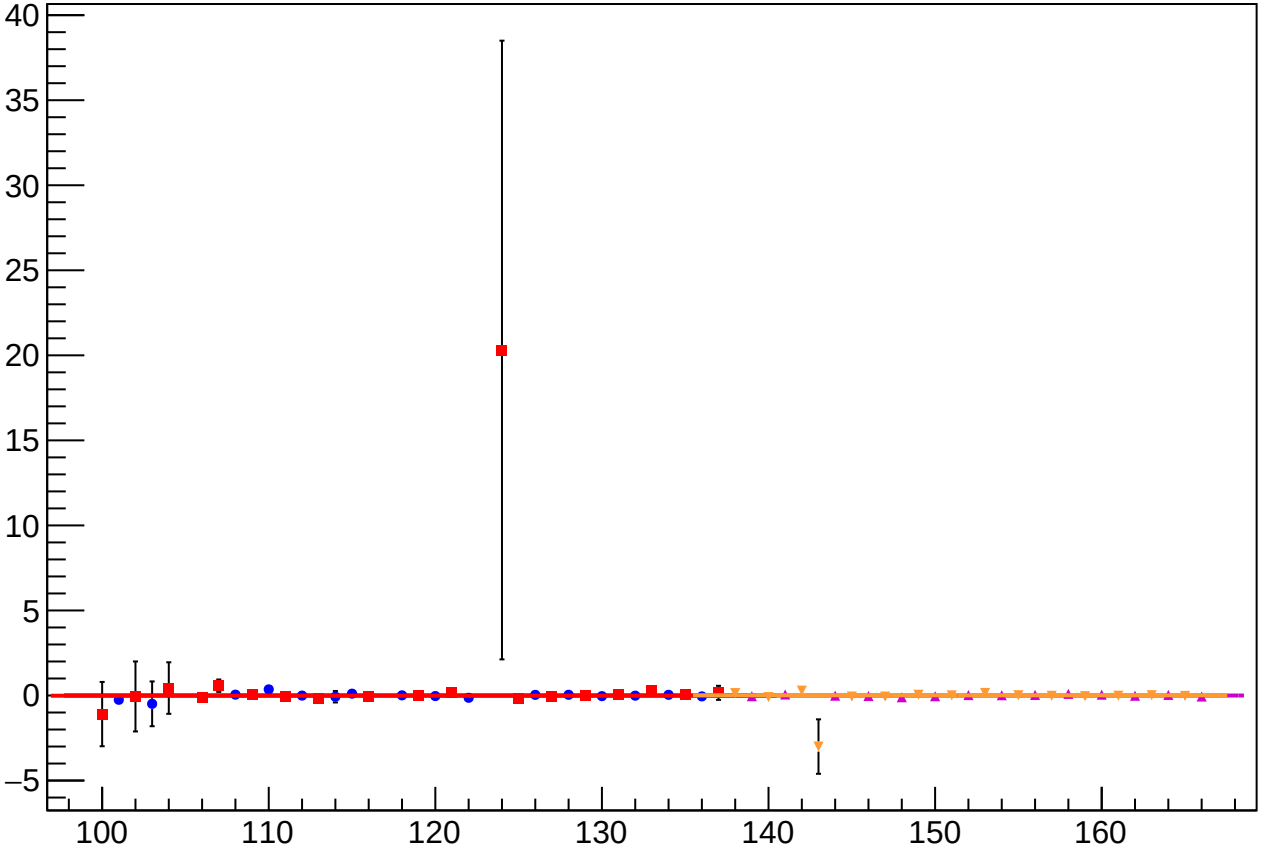
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.408+/-0.009 χ^2/NDF:4415072.4/29

Out: 48.386+/-0.009 χ^2/NDF:6478424.1/33

All: 48.901+/-0.007 χ^2/NDF: 10899371.8/63

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.015 χ^2/NDF:12.8/13

Left: 0.005+/-0.011 χ^2/NDF: 36.3/28

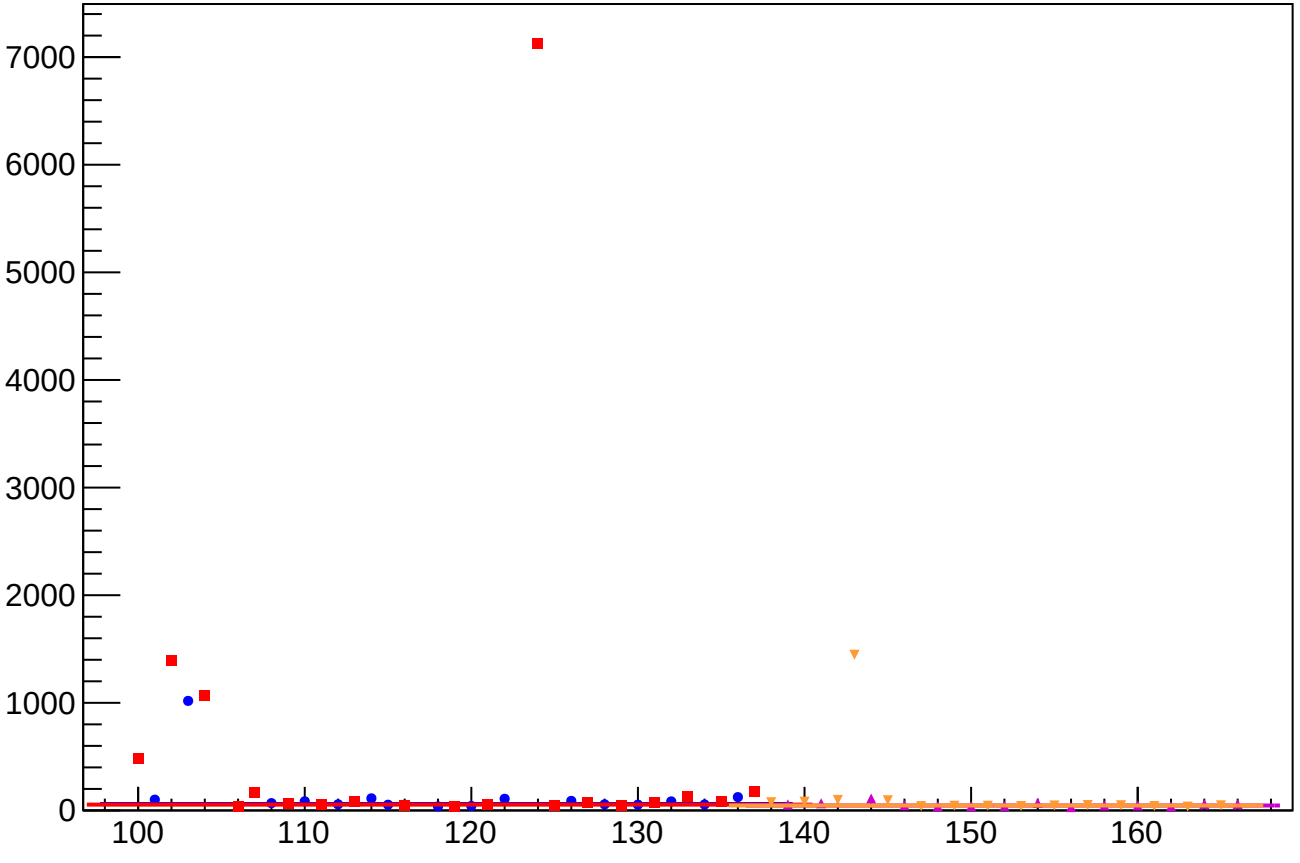
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.000+/-0.013 χ^2/NDF:24.3/29

Out: 0.005+/-0.013 χ^2/NDF:41.3/33

All: 0.003+/-0.009 χ^2/NDF: 65.7/63

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815731.0/14

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.984+/-0.011 χ^2/NDF:1471249.8/13

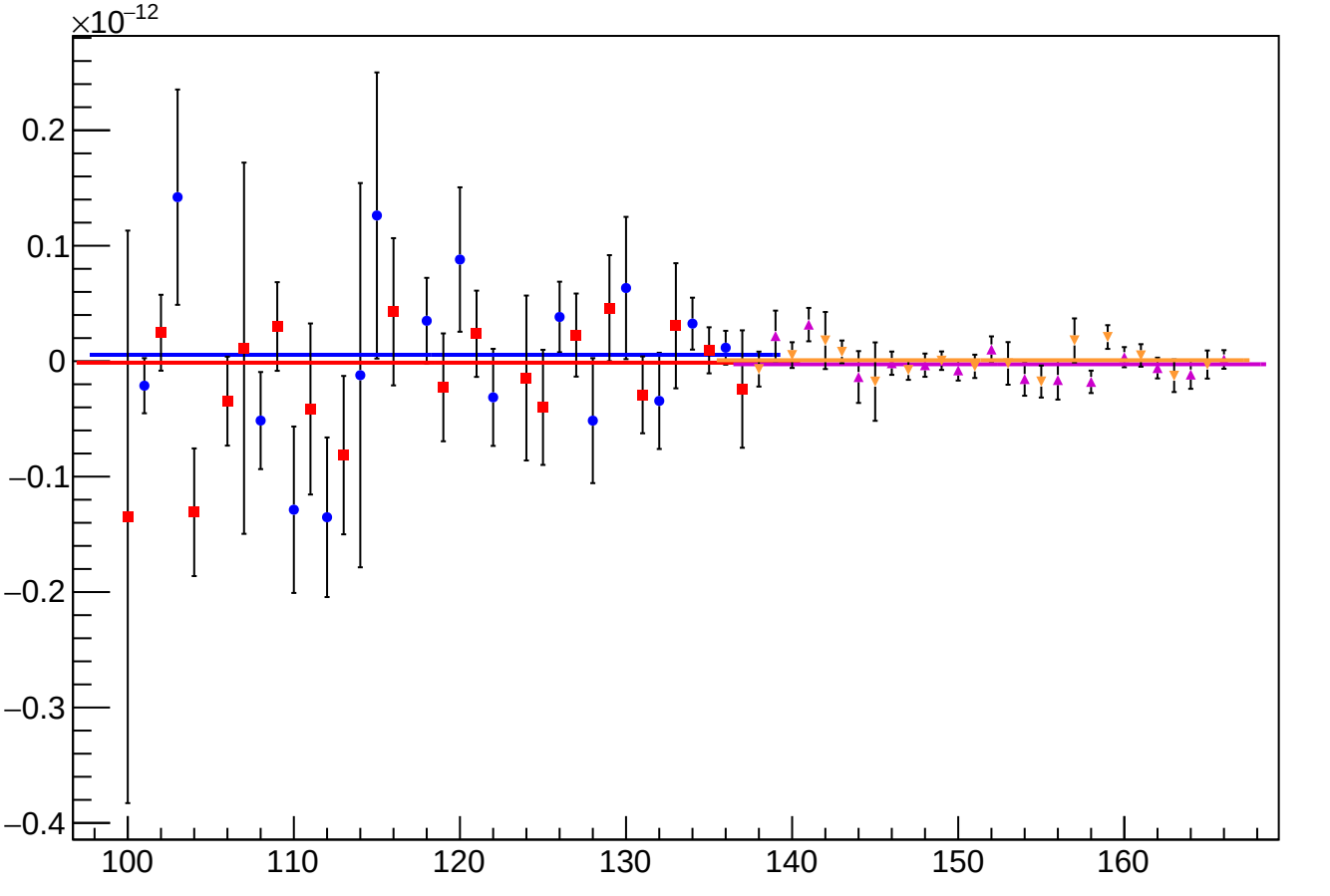
Left: 46.105+/-0.008 χ^2/NDF: 4287237.7/28

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.408+/-0.009 χ^2/NDF:4415072.4/29

Out: 48.386+/-0.009 χ^2/NDF:6478424.1/33

All: 48.901+/-0.007 χ^2/NDF: 10899371.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

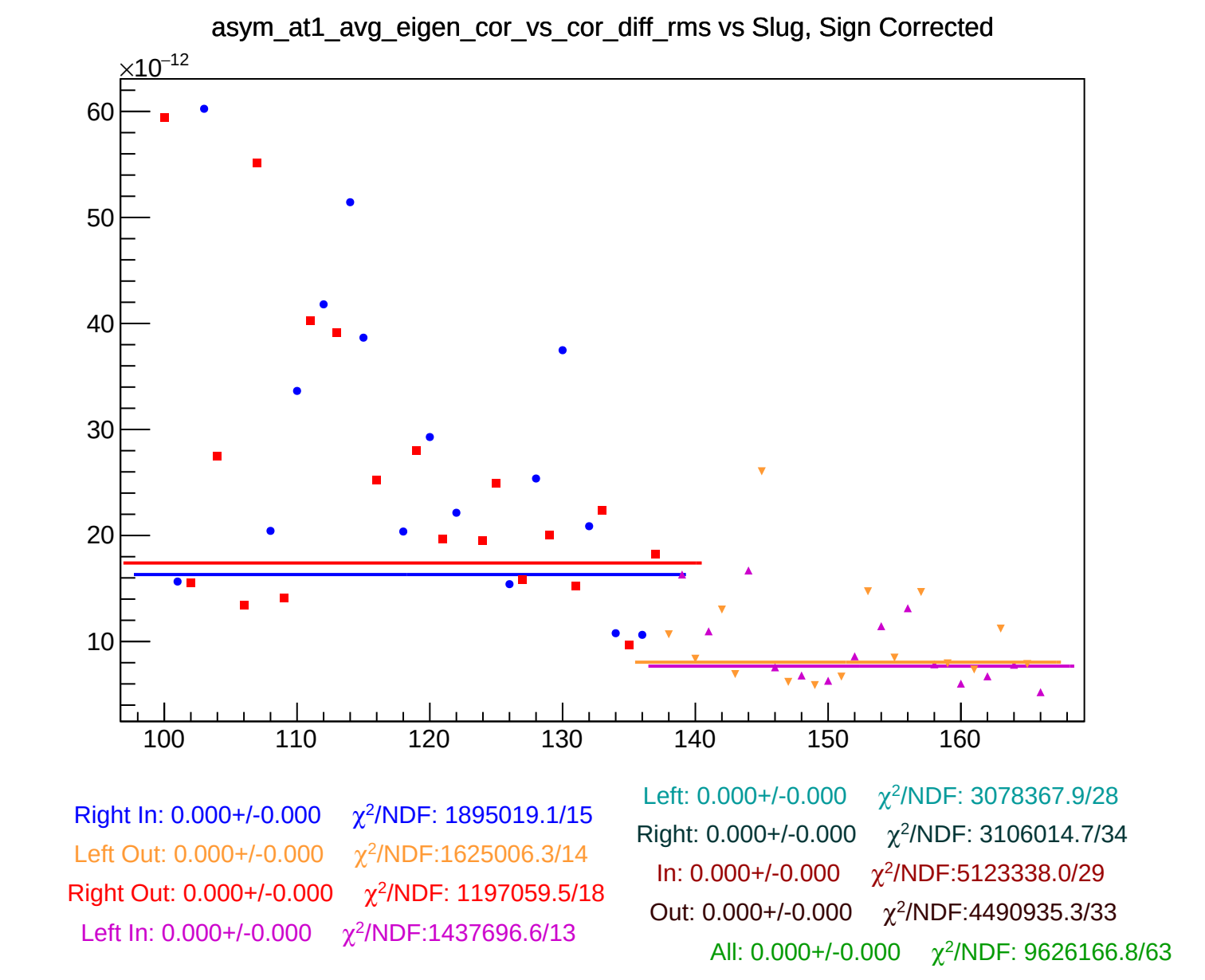
Left: -0.000+/-0.000 χ^2/NDF: 25.4/28

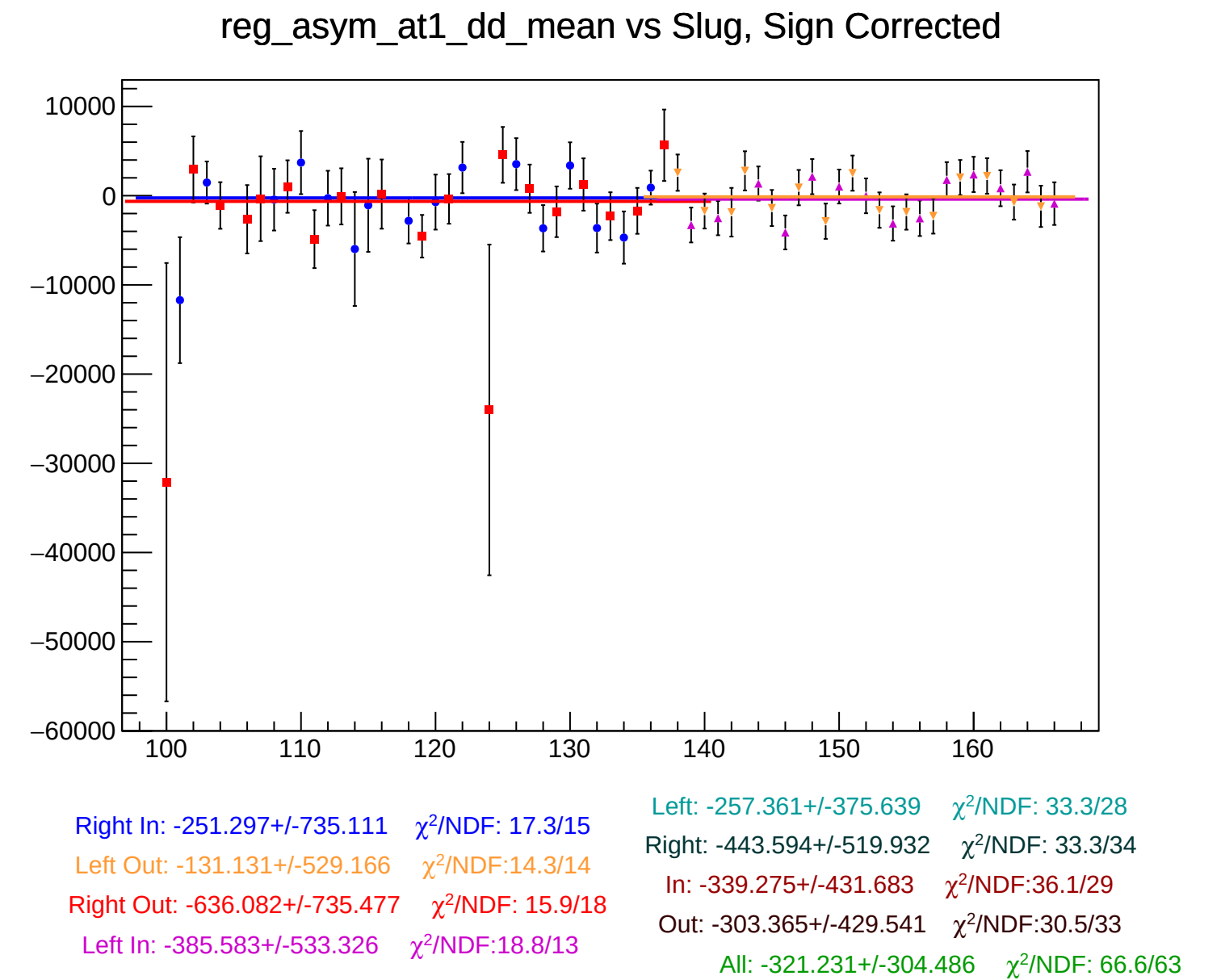
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:37.5/29

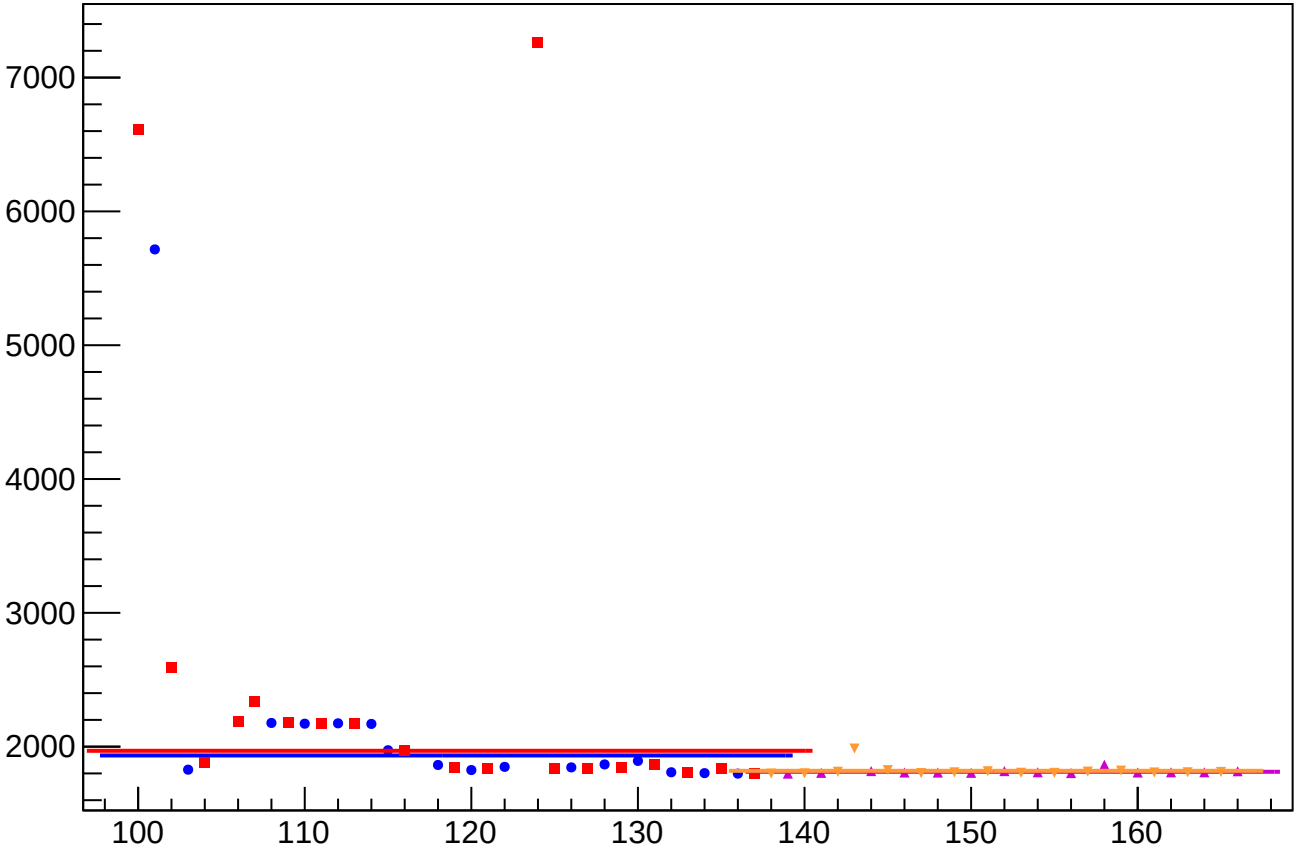
Out: 0.000+/-0.000 χ^2/NDF:25.0/33

All: -0.000+/-0.000 χ^2/NDF: 62.8/63


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1625006.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1437696.6/13
Left: 0.000+/-0.000 χ²/NDF: 3078367.9/28
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5123338.0/29
Out: 0.000+/-0.000 χ²/NDF:4490935.3/33
All: 0.000+/-0.000 χ²/NDF: 9626166.8/63


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -131.131+/-529.166 χ²/NDF:14.3/14
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -385.583+/-533.326 χ²/NDF:18.8/13
Left: -257.361+/-375.639 χ²/NDF: 33.3/28
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -339.275+/-431.683 χ²/NDF:36.1/29
Out: -303.365+/-429.541 χ²/NDF:30.5/33
All: -321.231+/-304.486 χ²/NDF: 66.6/63

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

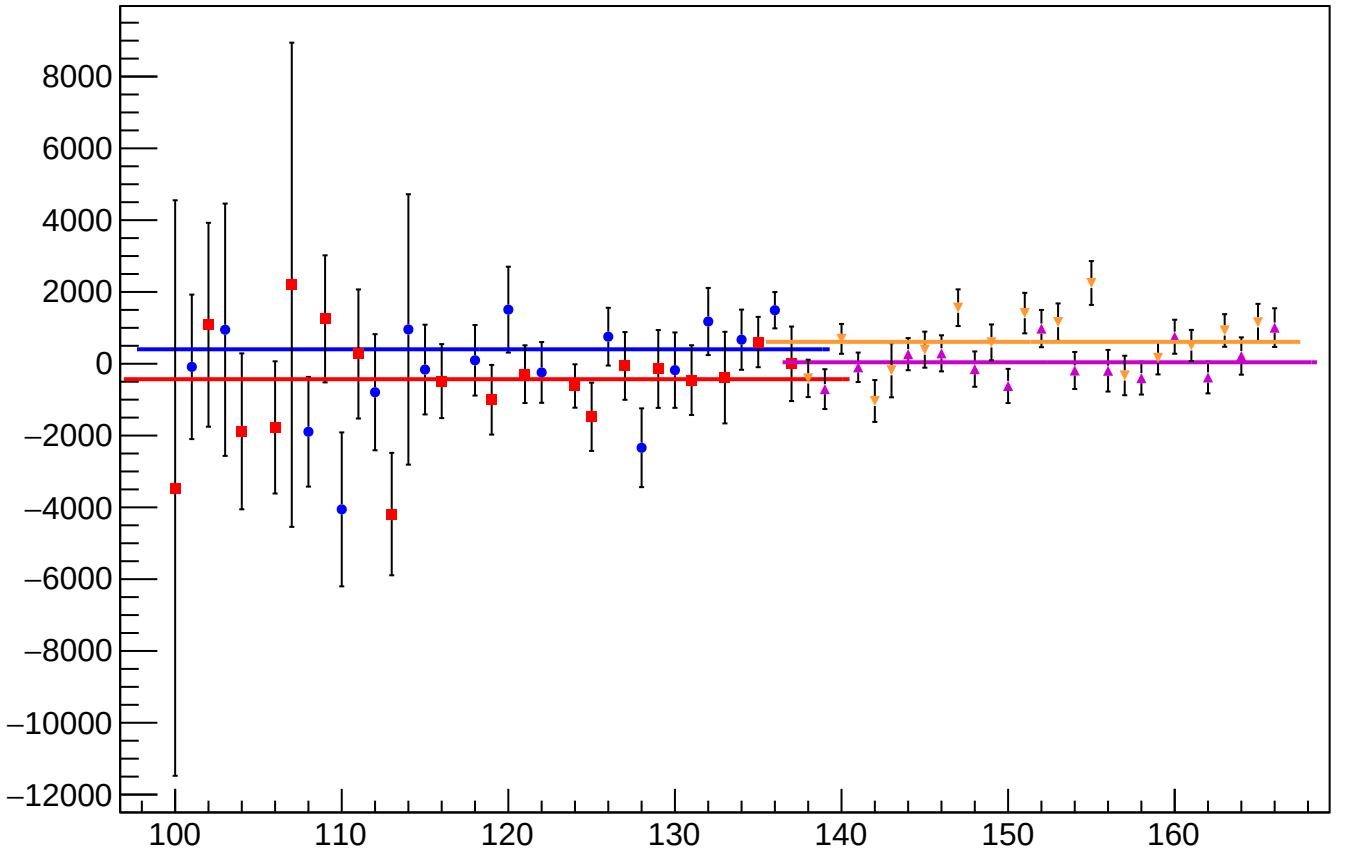
Left: 1815.957+/-0.266 χ^2/NDF: 14431.0/28

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1854.355+/-0.305 χ^2/NDF:677686.4/29

Out: 1870.588+/-0.304 χ^2/NDF:445459.4/33

All: 1862.512+/-0.215 χ^2/NDF: 1124567.0/63



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 609.940+/-132.010 χ^2/NDF:32.4/14

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 40.960+/-130.648 χ^2/NDF:15.5/13

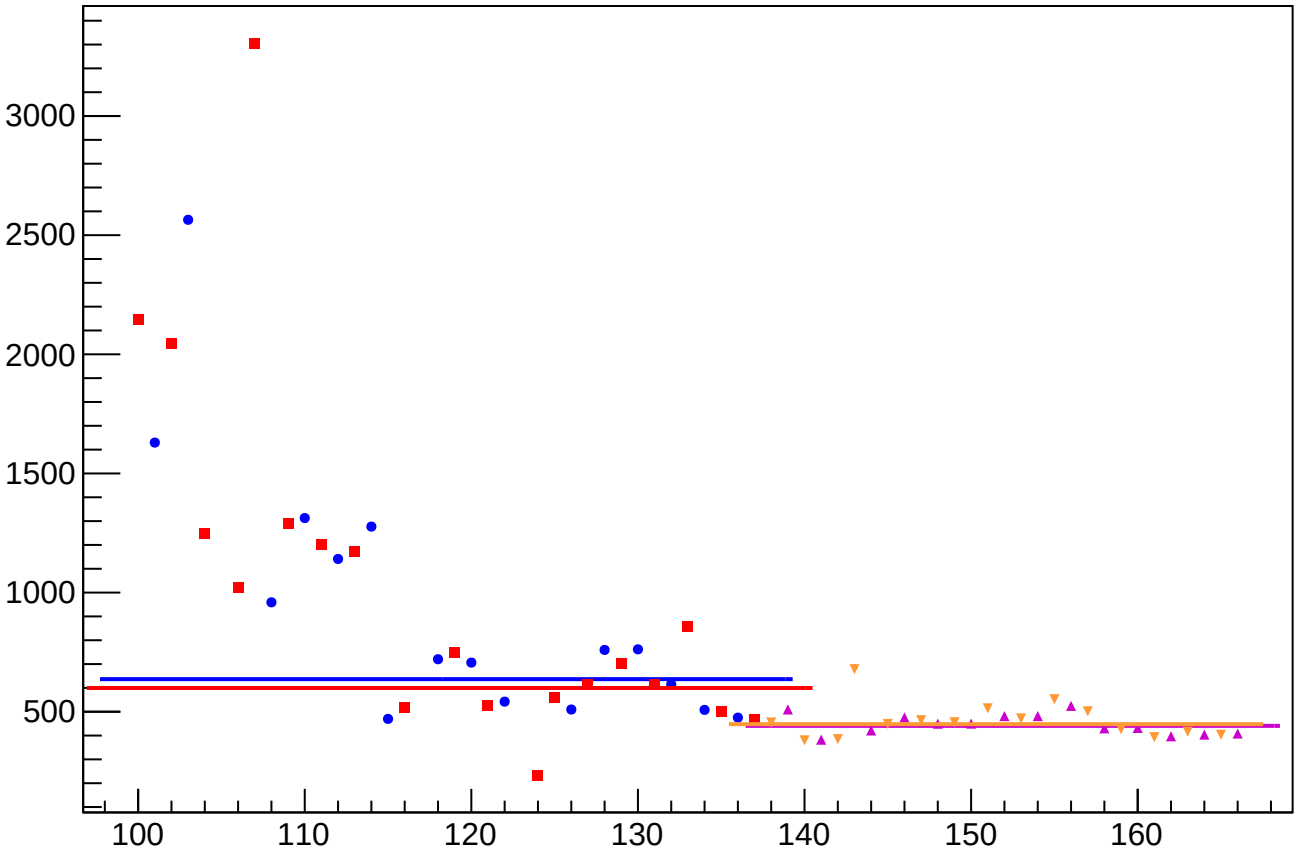
Left: 322.501+/-92.860 χ^2/NDF: 57.4/28

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 114.513+/-116.609 χ^2/NDF:38.2/29

Out: 387.143+/-117.018 χ^2/NDF:57.5/33

All: 250.350+/-82.599 χ^2/NDF: 98.4/63



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 447.744+/-0.093 χ^2/NDF:437028.8/14

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 440.707+/-0.092 χ^2/NDF:191110.9/13

Left: 444.189+/-0.066 χ^2/NDF: 631010.8/28

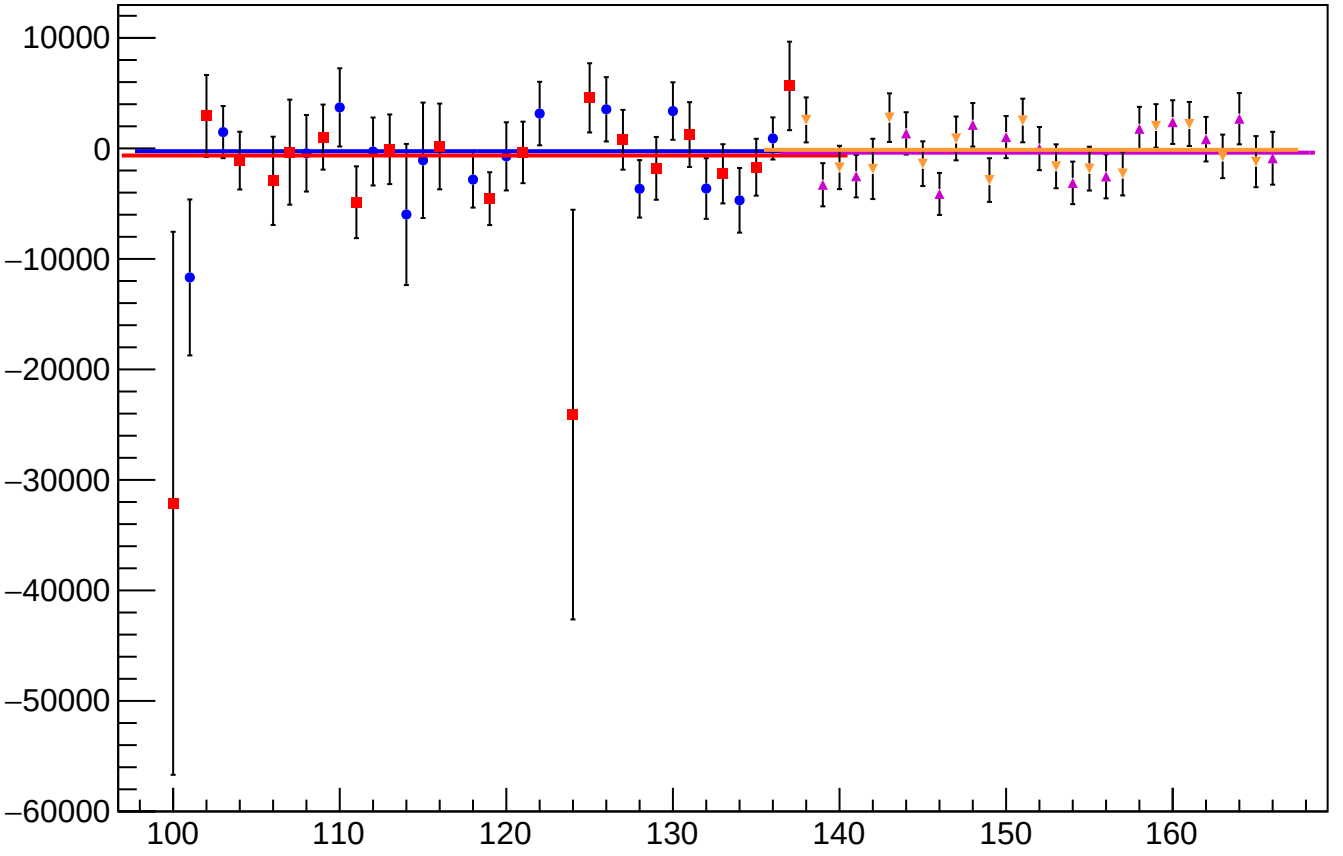
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 480.567+/-0.082 χ^2/NDF:3173371.4/29

Out: 480.282+/-0.083 χ^2/NDF:3948327.7/33

All: 480.425+/-0.058 χ^2/NDF: 7121705.0/63

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -385.553+/-533.326 χ^2/NDF:18.8/13

Left: -257.374+/-375.639 χ^2/NDF: 33.3/28

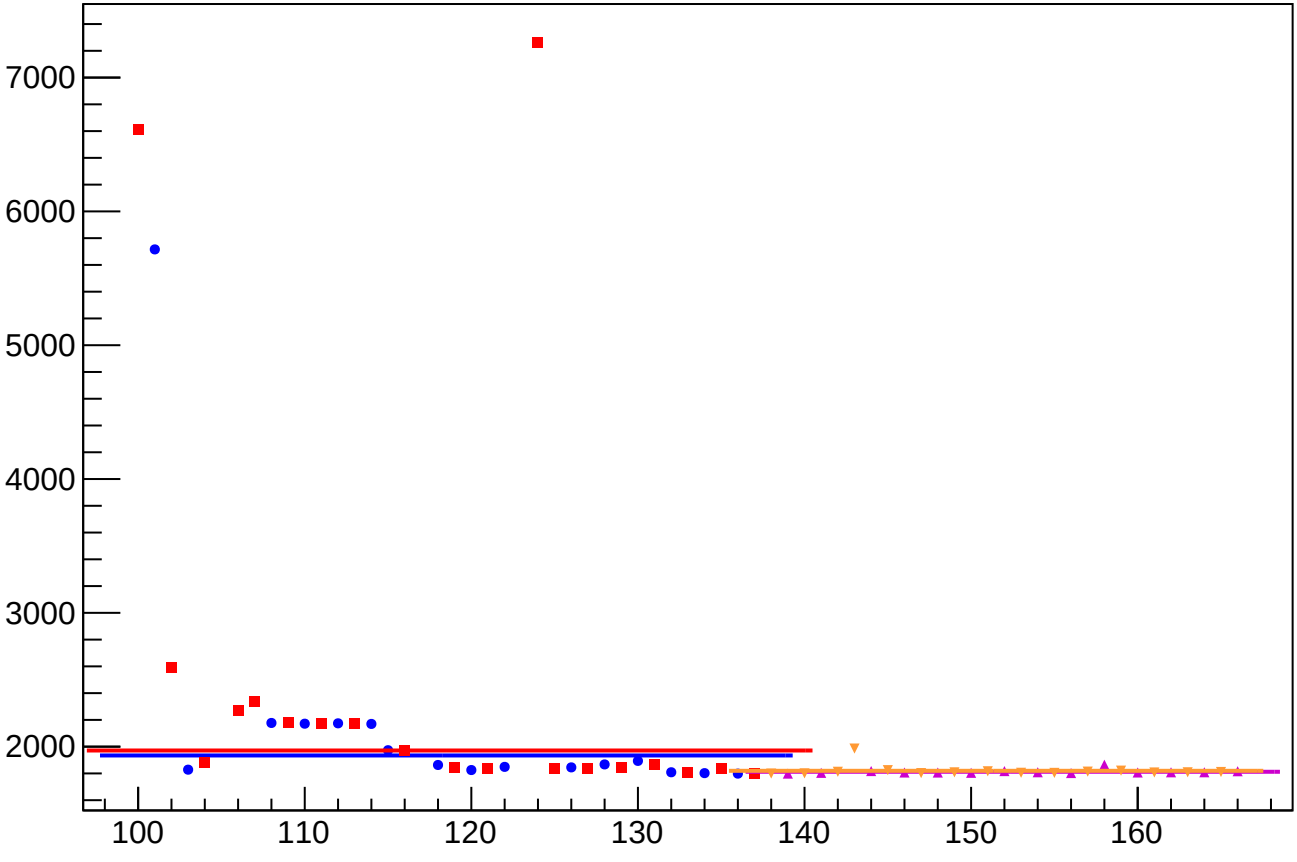
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -338.977+/-431.683 χ^2/NDF:36.1/29

Out: -304.700+/-429.754 χ^2/NDF:30.6/33

All: -321.761+/-304.562 χ^2/NDF: 66.7/63

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

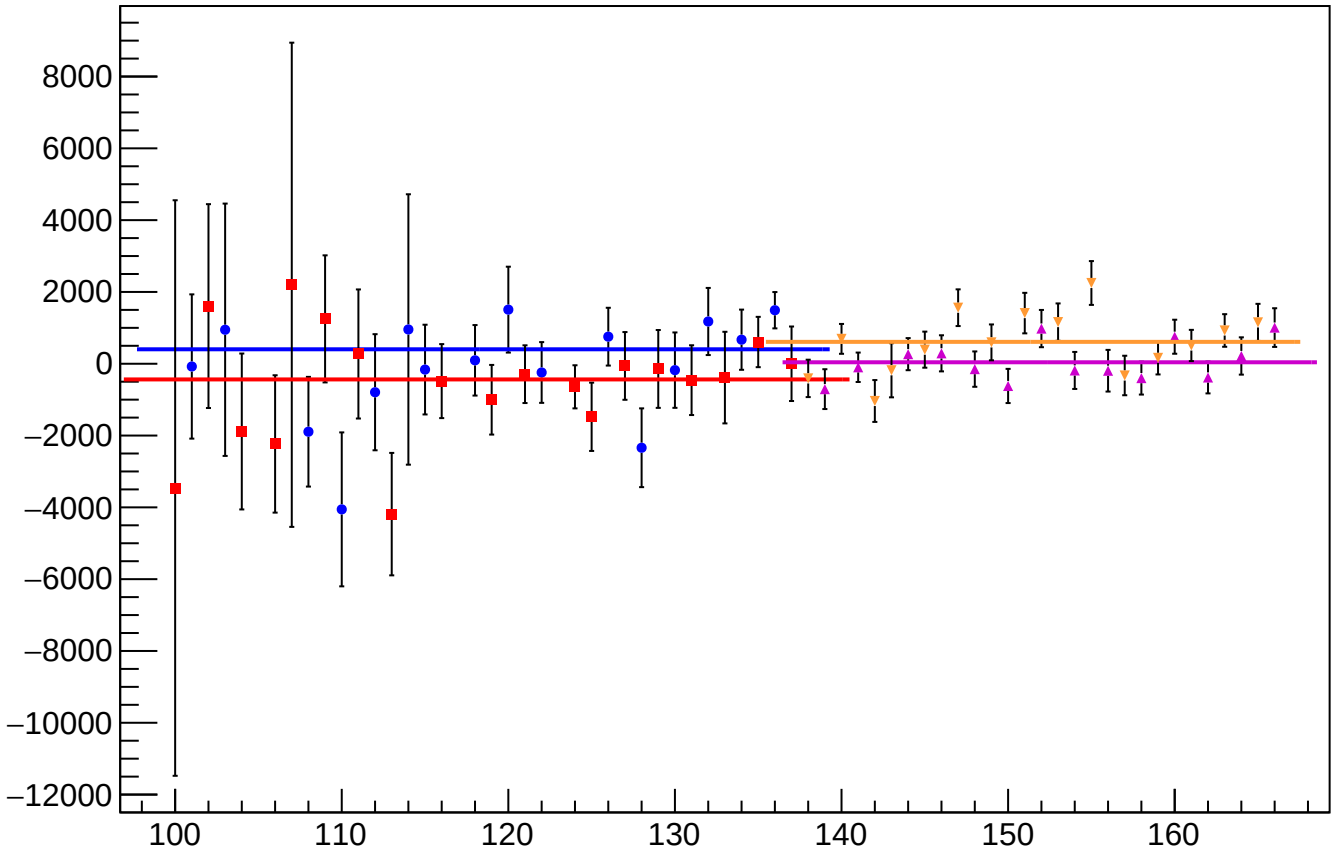
Left: 1815.957+/-0.266 χ^2/NDF: 14431.0/28

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1854.355+/-0.305 χ^2/NDF:677686.3/29

Out: 1871.223+/-0.304 χ^2/NDF:451730.6/33

All: 1862.827+/-0.215 χ^2/NDF: 1130950.7/63



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 40.995+/-130.647 χ^2/NDF:15.6/13

Left: 322.481+/-92.860 χ^2/NDF: 57.4/28

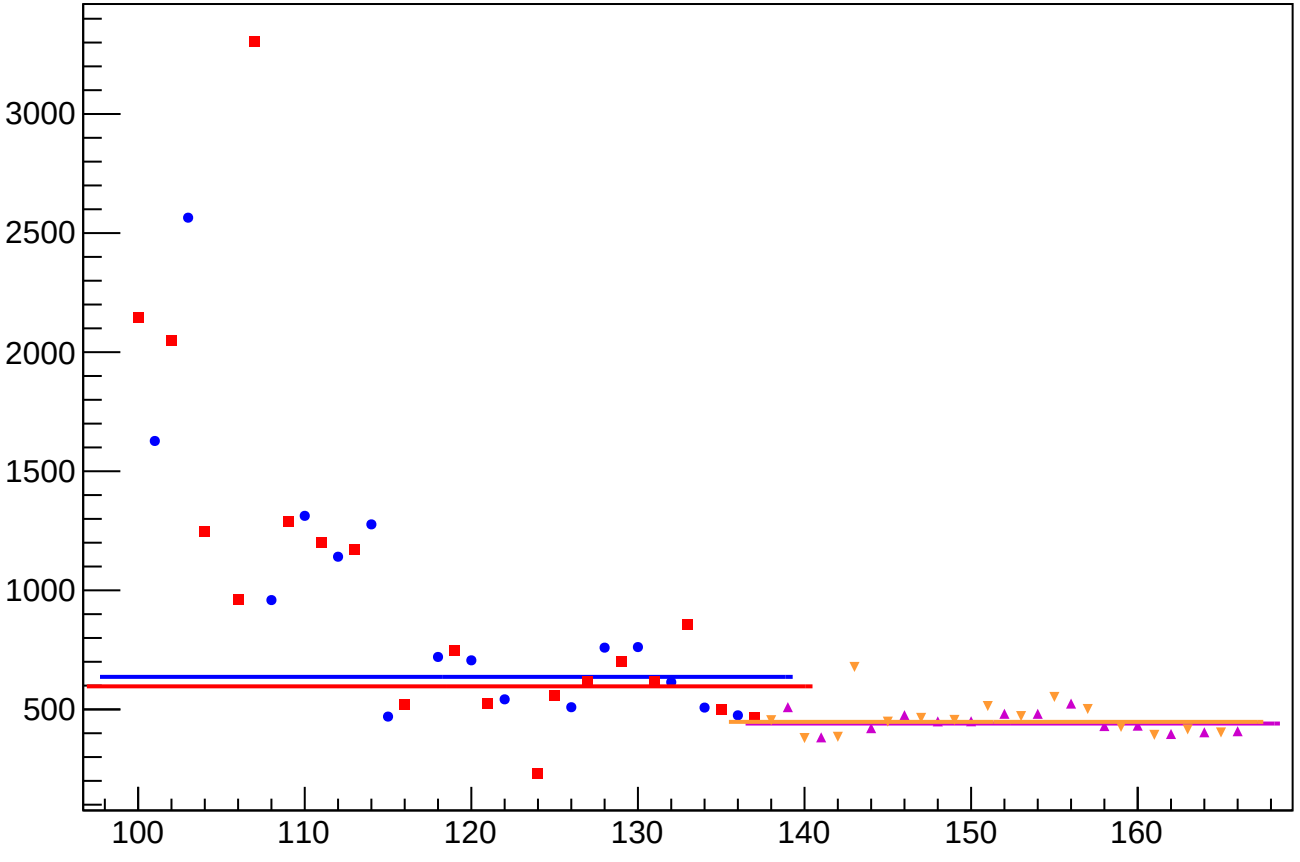
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 114.560+/-116.607 χ^2/NDF:38.3/29

Out: 385.456+/-117.004 χ^2/NDF:58.3/33

All: 249.549+/-82.594 χ^2/NDF: 99.2/63

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.704+/-0.092 χ^2/NDF:191102.0/13

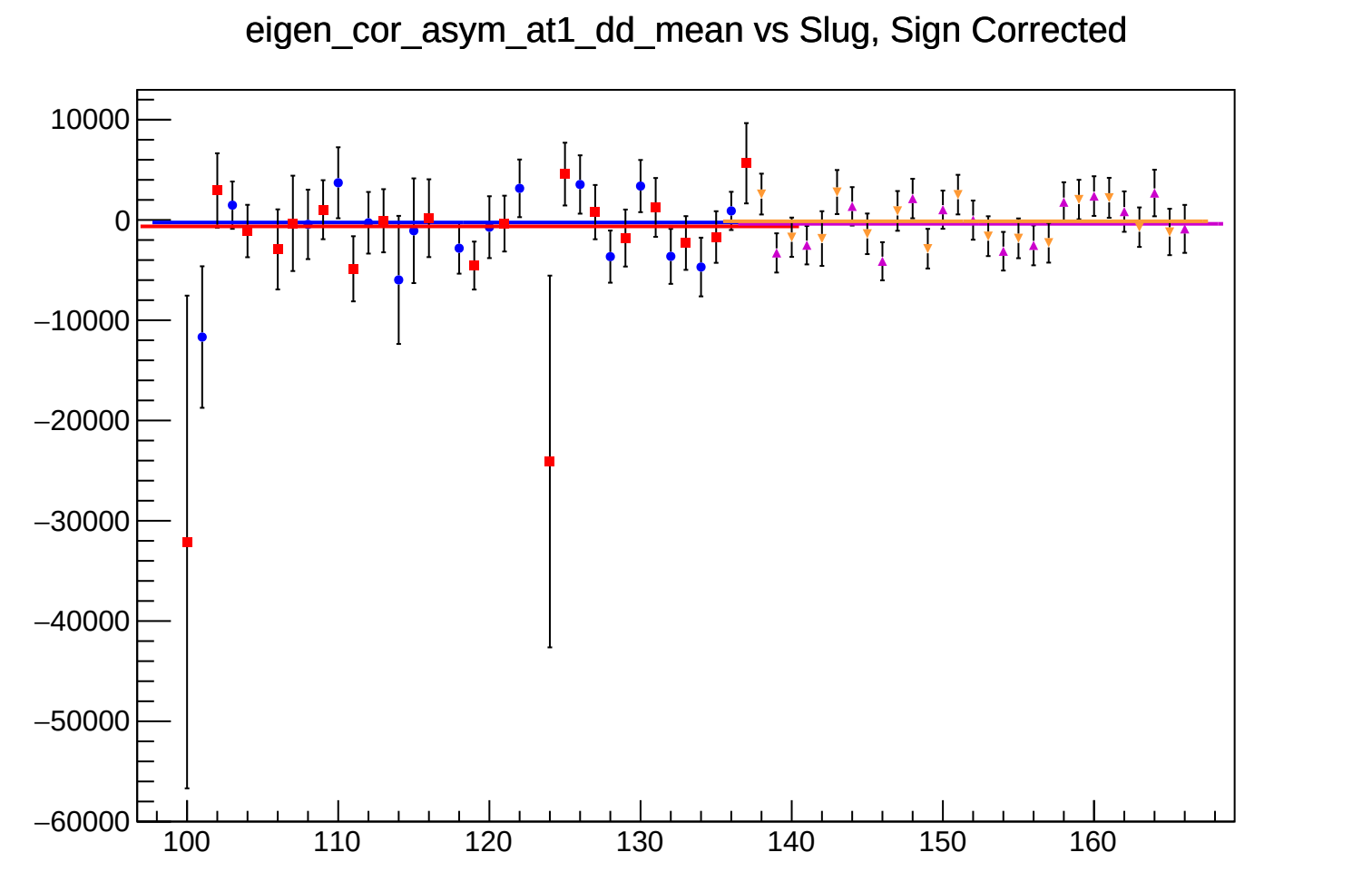
Left: 444.188+/-0.066 χ^2/NDF: 630974.3/28

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 480.566+/-0.082 χ^2/NDF:3172562.6/29

Out: 479.720+/-0.083 χ^2/NDF:3914655.5/33

All: 480.144+/-0.058 χ^2/NDF: 7087270.6/63



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -385.553+/-533.326 χ^2/NDF:18.8/13

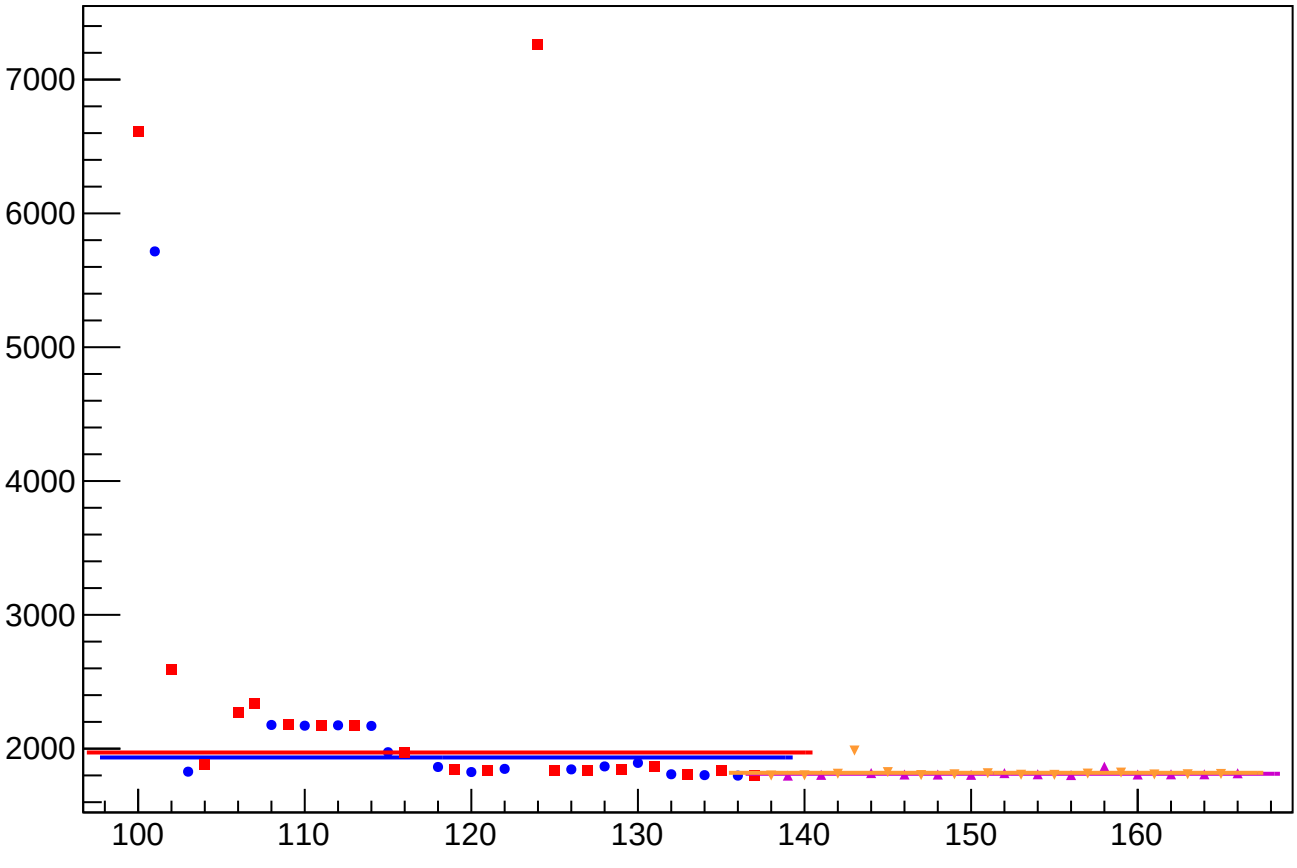
Left: -257.374+/-375.639 χ^2/NDF: 33.3/28

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -338.977+/-431.683 χ^2/NDF:36.1/29

Out: -304.700+/-429.754 χ^2/NDF:30.6/33

All: -321.761+/-304.562 χ^2/NDF: 66.7/63



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.319+/-0.377 χ^2/NDF:1736.9/13

Left: 1815.957+/-0.266 χ^2/NDF: 14431.0/28

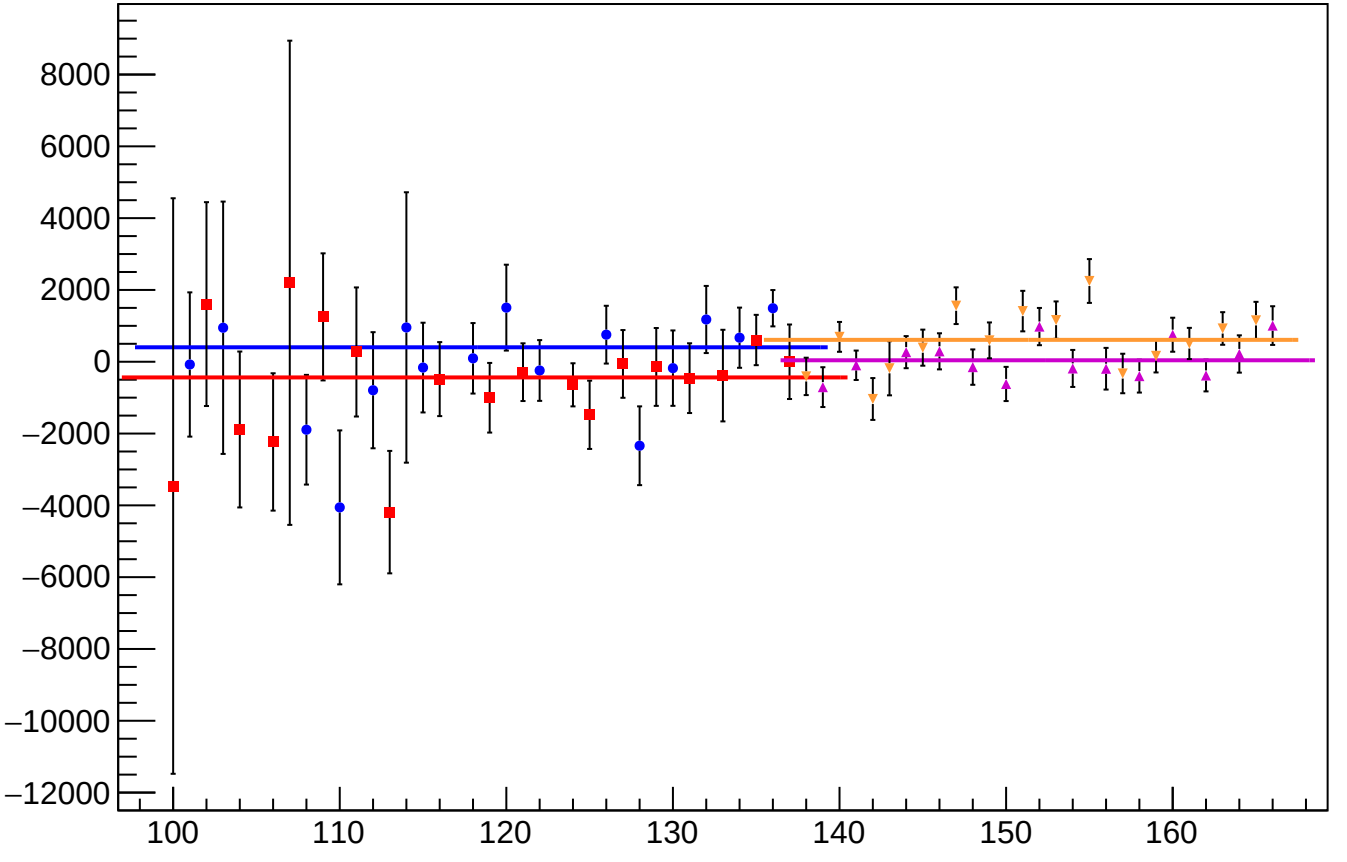
Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1854.355+/-0.305 χ^2/NDF:677686.3/29

Out: 1871.223+/-0.304 χ^2/NDF:451730.6/33

All: 1862.827+/-0.215 χ^2/NDF: 1130950.7/63

asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 40.995+/-130.647 χ^2/NDF:15.6/13

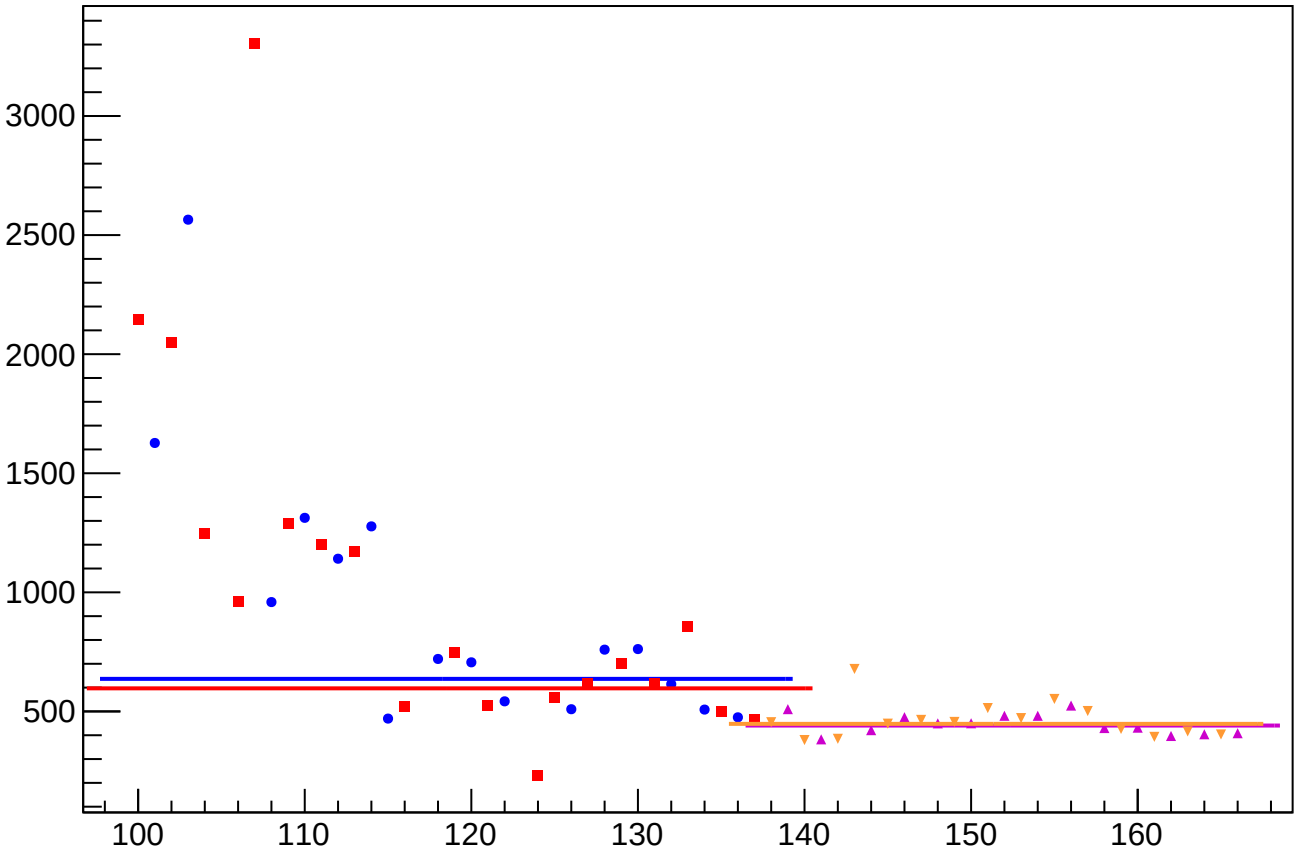
Left: 322.481+/-92.860 χ^2/NDF: 57.4/28

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 114.560+/-116.607 χ^2/NDF:38.3/29

Out: 385.456+/-117.004 χ^2/NDF:58.3/33

All: 249.549+/-82.594 χ^2/NDF: 99.2/63



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.704+/-0.092 χ^2/NDF:191102.0/13

Left: 444.188+/-0.066 χ^2/NDF: 630974.3/28

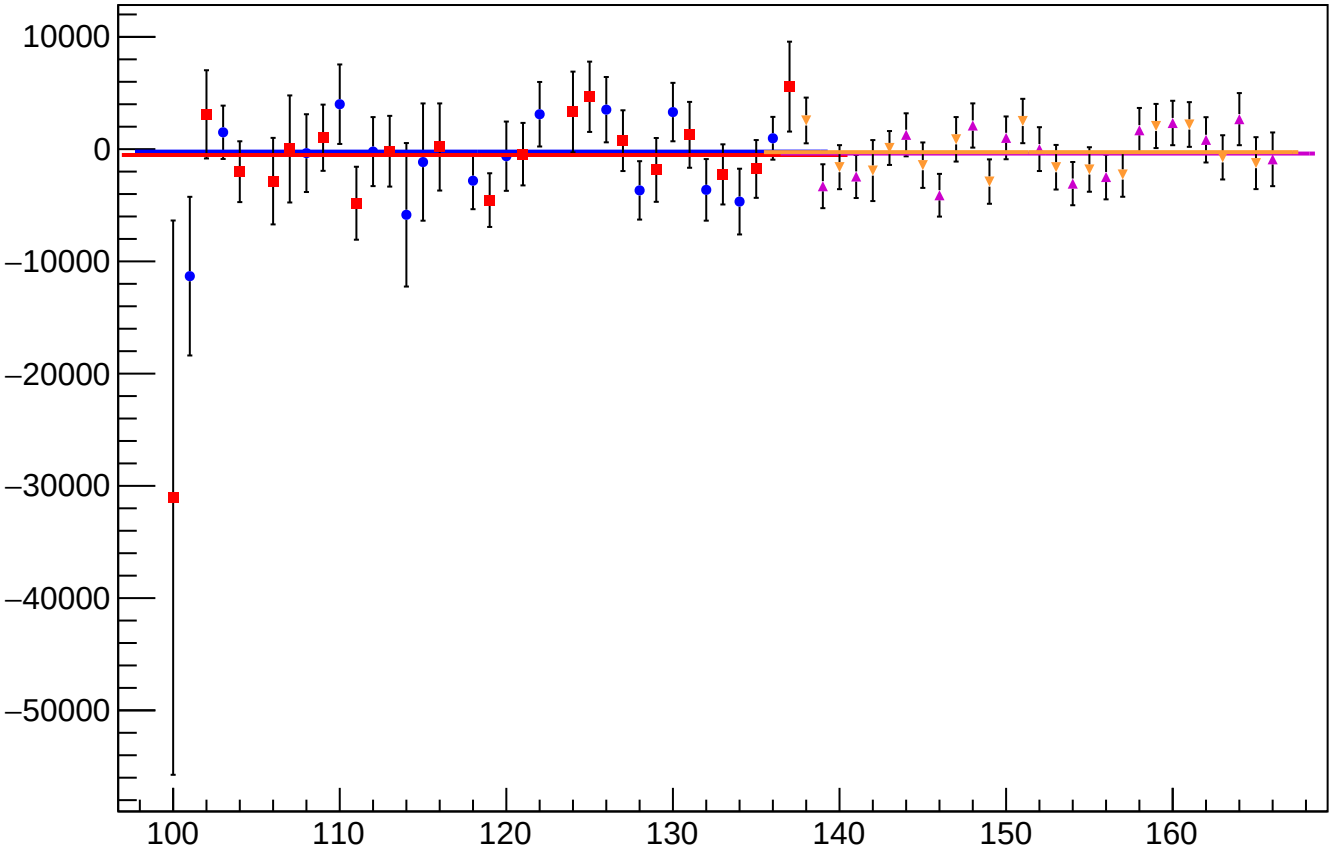
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 480.566+/-0.082 χ^2/NDF:3172562.6/29

Out: 479.720+/-0.083 χ^2/NDF:3914655.5/33

All: 480.144+/-0.058 χ^2/NDF: 7087270.6/63

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -267.024+/-512.862 χ^2/NDF:12.4/14

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -393.289+/-533.509 χ^2/NDF:18.3/13

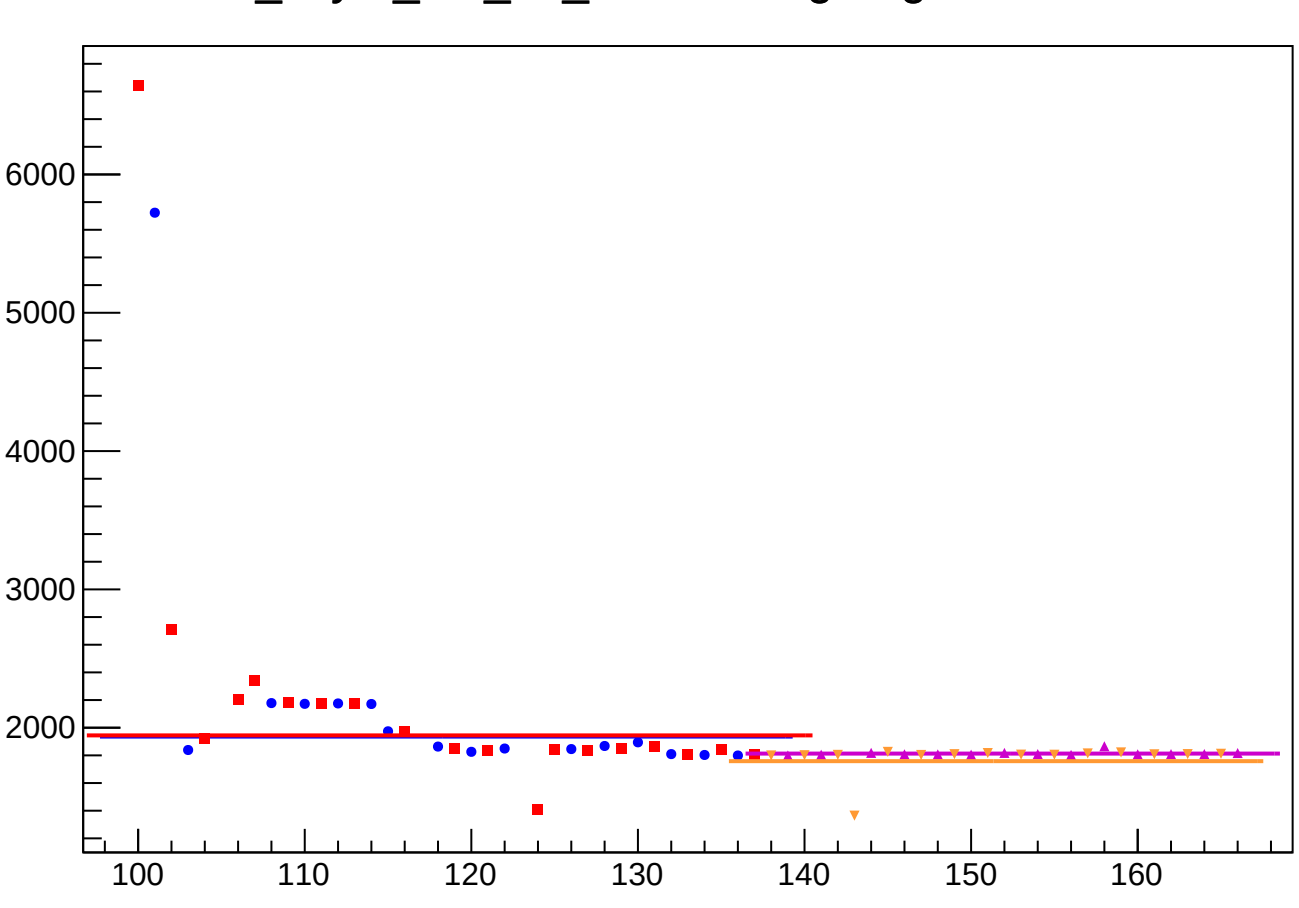
Left: -327.666+/-369.732 χ^2/NDF: 30.8/28

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -333.723+/-431.937 χ^2/NDF:35.4/29

Out: -351.487+/-418.689 χ^2/NDF:28.1/33

All: -342.881+/-300.632 χ^2/NDF: 63.6/63



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.942+/-0.377 χ^2/NDF:1731.1/13

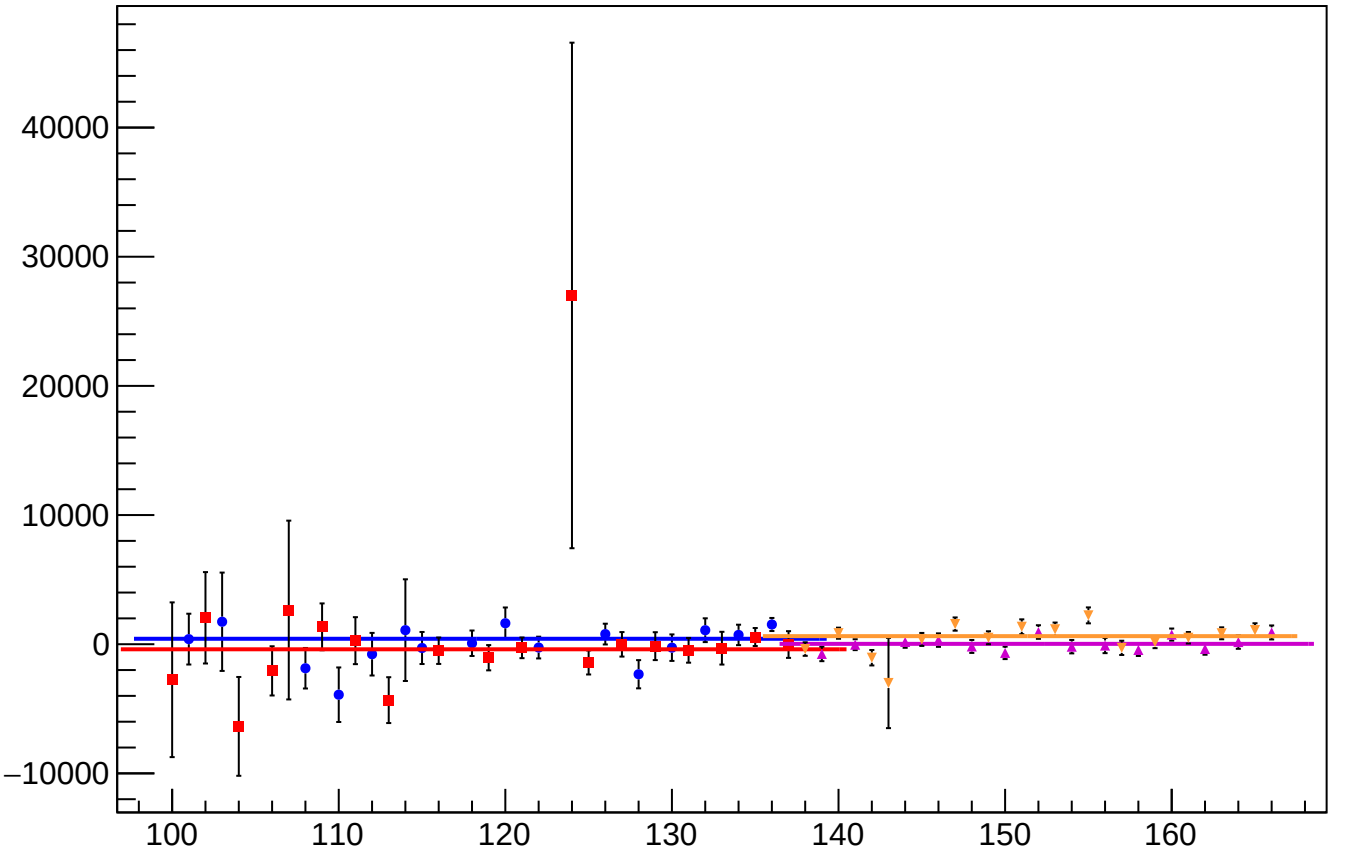
Left: 1784.463+/-0.261 χ^2/NDF: 166933.8/28

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1855.330+/-0.305 χ^2/NDF:678182.8/29

Out: 1820.298+/-0.296 χ^2/NDF:518528.9/33

All: 1837.268+/-0.213 χ^2/NDF: 1203494.5/63



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.813+/-135.969 χ^2/NDF:30.6/14

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: 27.281+/-132.594 χ^2/NDF:14.7/13

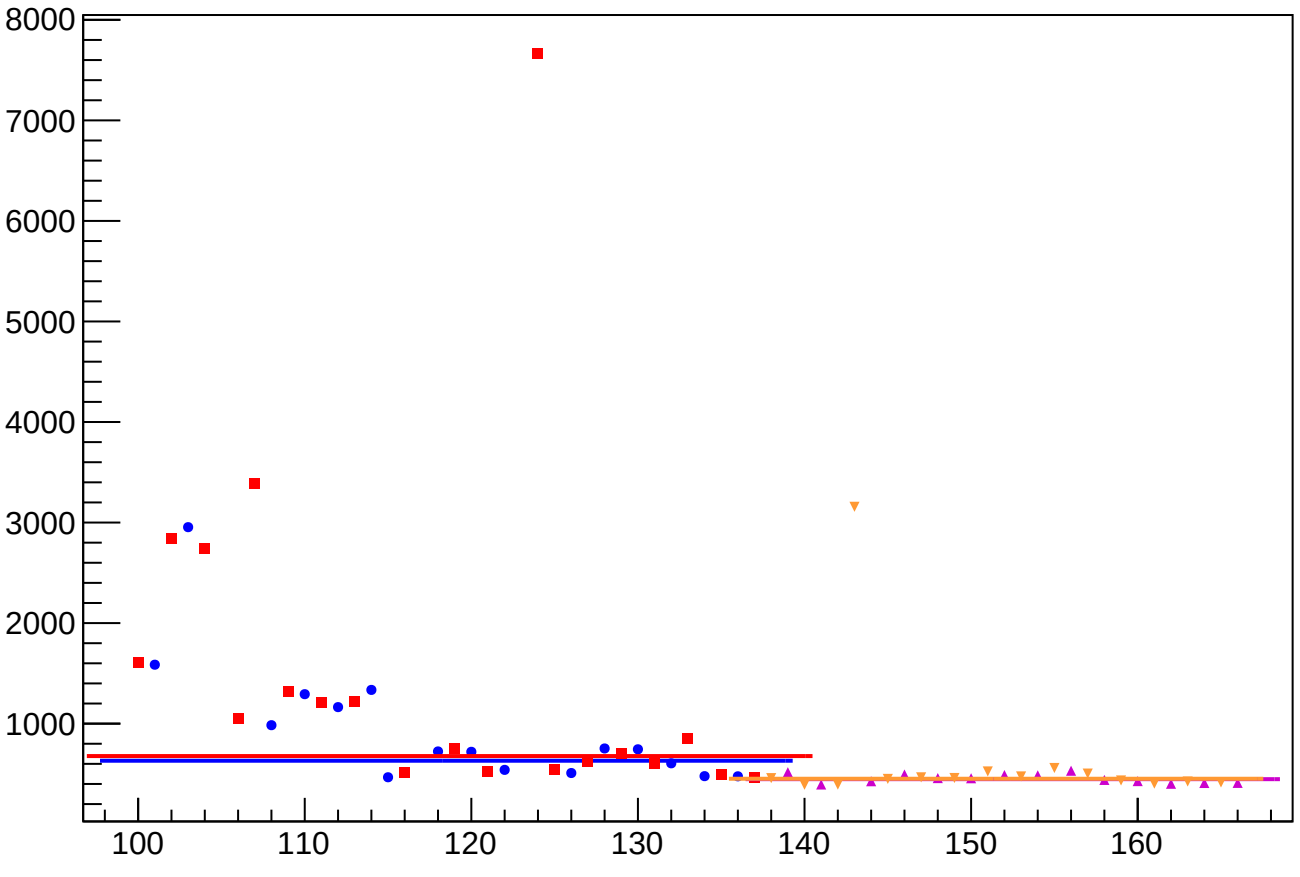
Left: 318.539+/-94.929 χ^2/NDF: 55.2/28

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 110.209+/-117.811 χ^2/NDF:38.0/29

Out: 429.995+/-122.274 χ^2/NDF:57.2/33

All: 264.160+/-84.839 χ^2/NDF: 98.8/63



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 451.842+/-0.096 χ^2/NDF:1415544.8/14

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 447.698+/-0.094 χ^2/NDF:191299.7/13

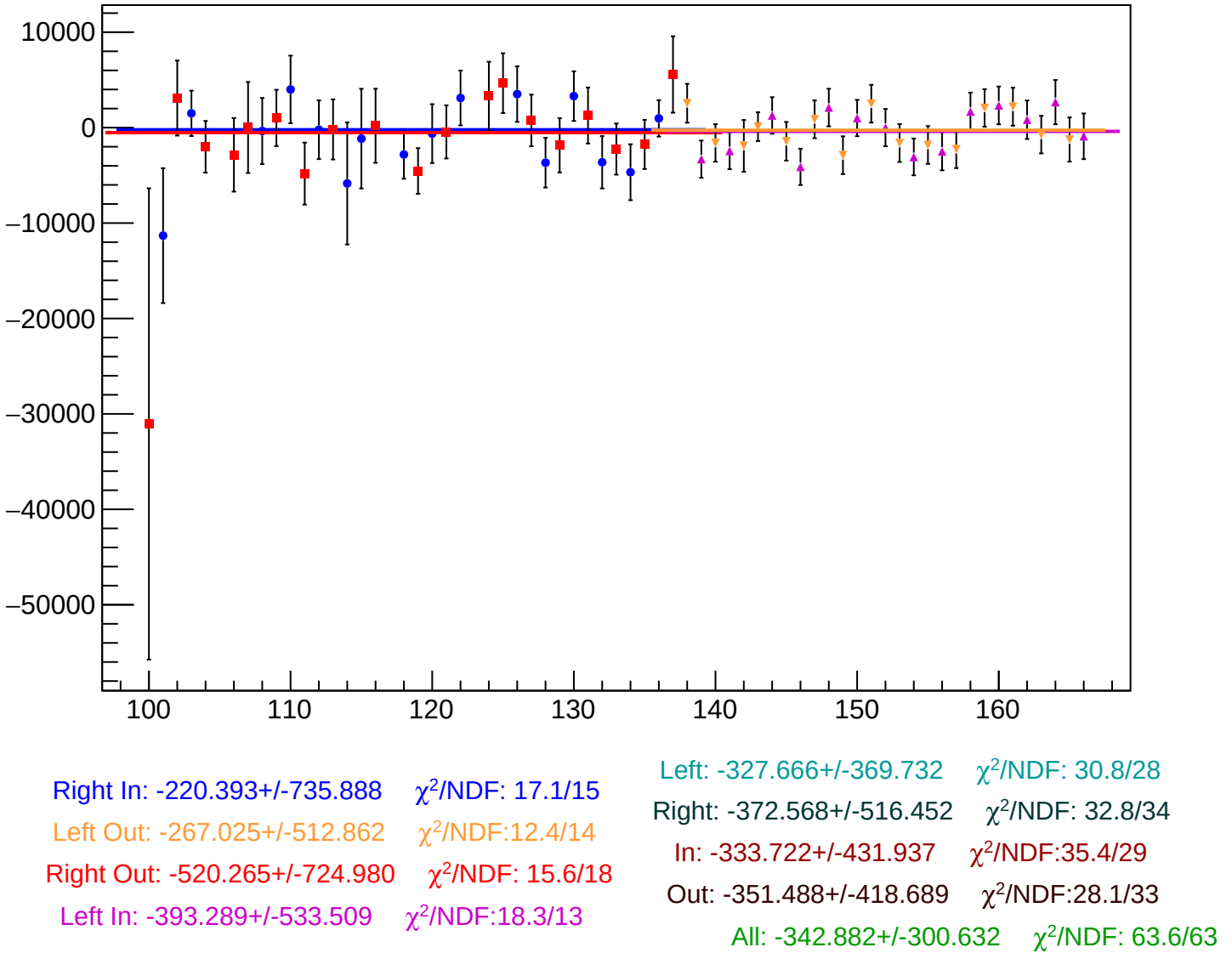
Left: 449.718+/-0.067 χ^2/NDF: 1607797.0/28

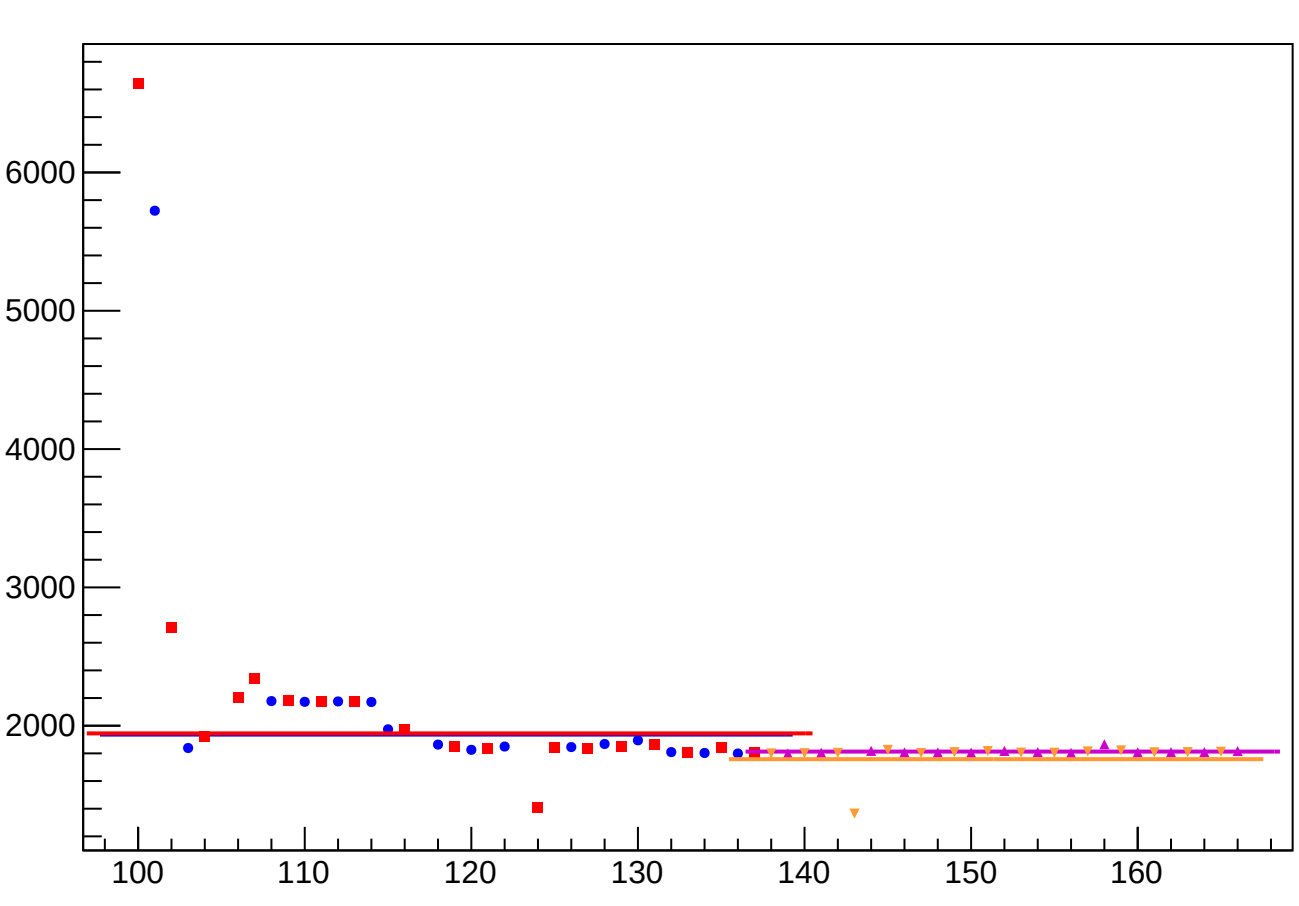
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 486.321+/-0.083 χ^2/NDF:3231777.7/29

Out: 494.998+/-0.086 χ^2/NDF:5550339.2/33

All: 490.499+/-0.060 χ^2/NDF: 8787340.0/63


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -267.025+/-512.862 χ²/NDF:12.4/14
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -393.289+/-533.509 χ²/NDF:18.3/13
Left: -327.666+/-369.732 χ²/NDF: 30.8/28
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -333.722+/-431.937 χ²/NDF:35.4/29
Out: -351.488+/-418.689 χ²/NDF:28.1/33
All: -342.882+/-300.632 χ²/NDF: 63.6/63



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.942+/-0.377 χ^2/NDF:1731.1/13

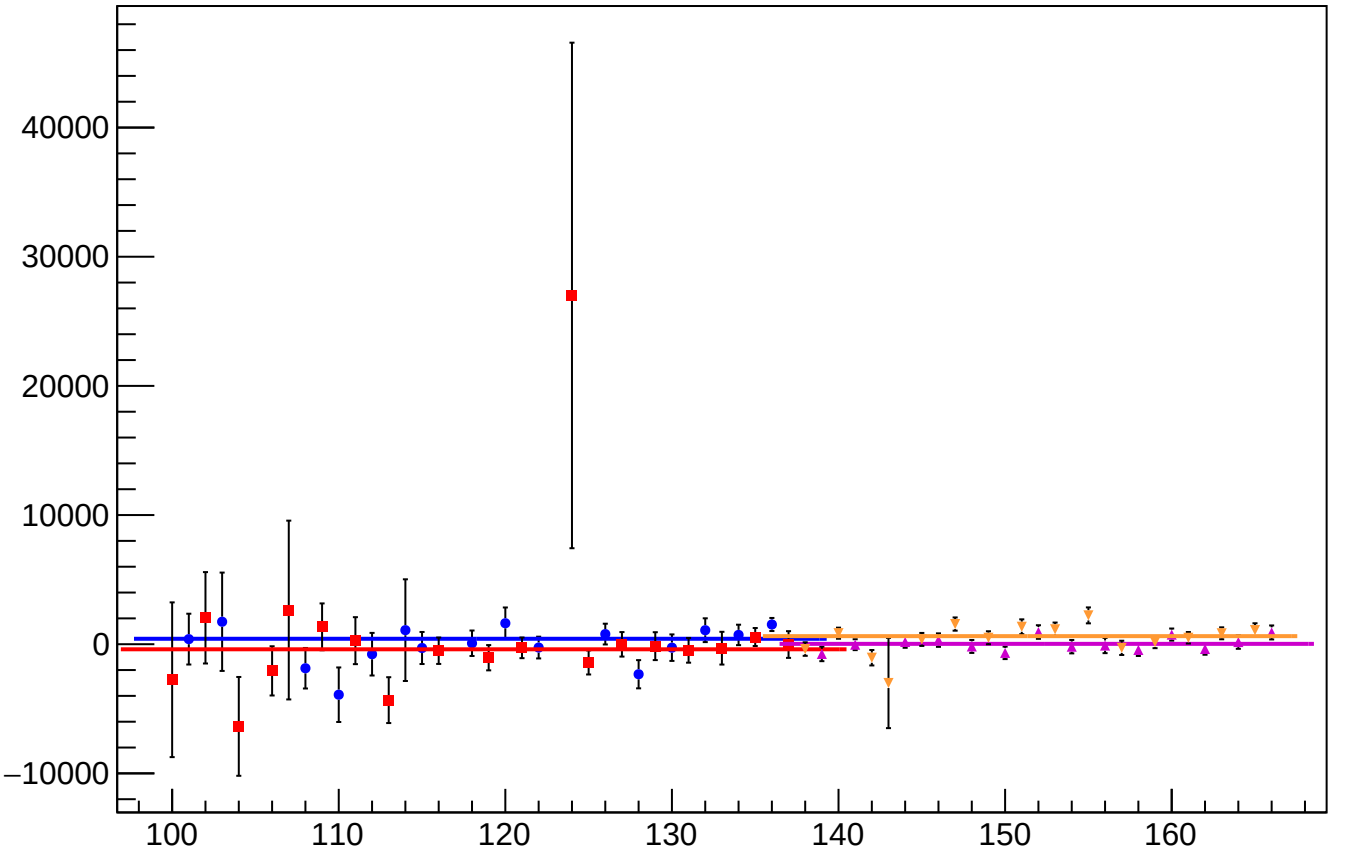
Left: 1784.463+/-0.261 χ^2/NDF: 166933.8/28

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1855.330+/-0.305 χ^2/NDF:678182.8/29

Out: 1820.298+/-0.296 χ^2/NDF:518528.7/33

All: 1837.268+/-0.213 χ^2/NDF: 1203494.2/63



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.812+/-135.969 χ^2/NDF:30.6/14

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 27.283+/-132.594 χ^2/NDF:14.7/13

Left: 318.539+/-94.929 χ^2/NDF: 55.2/28

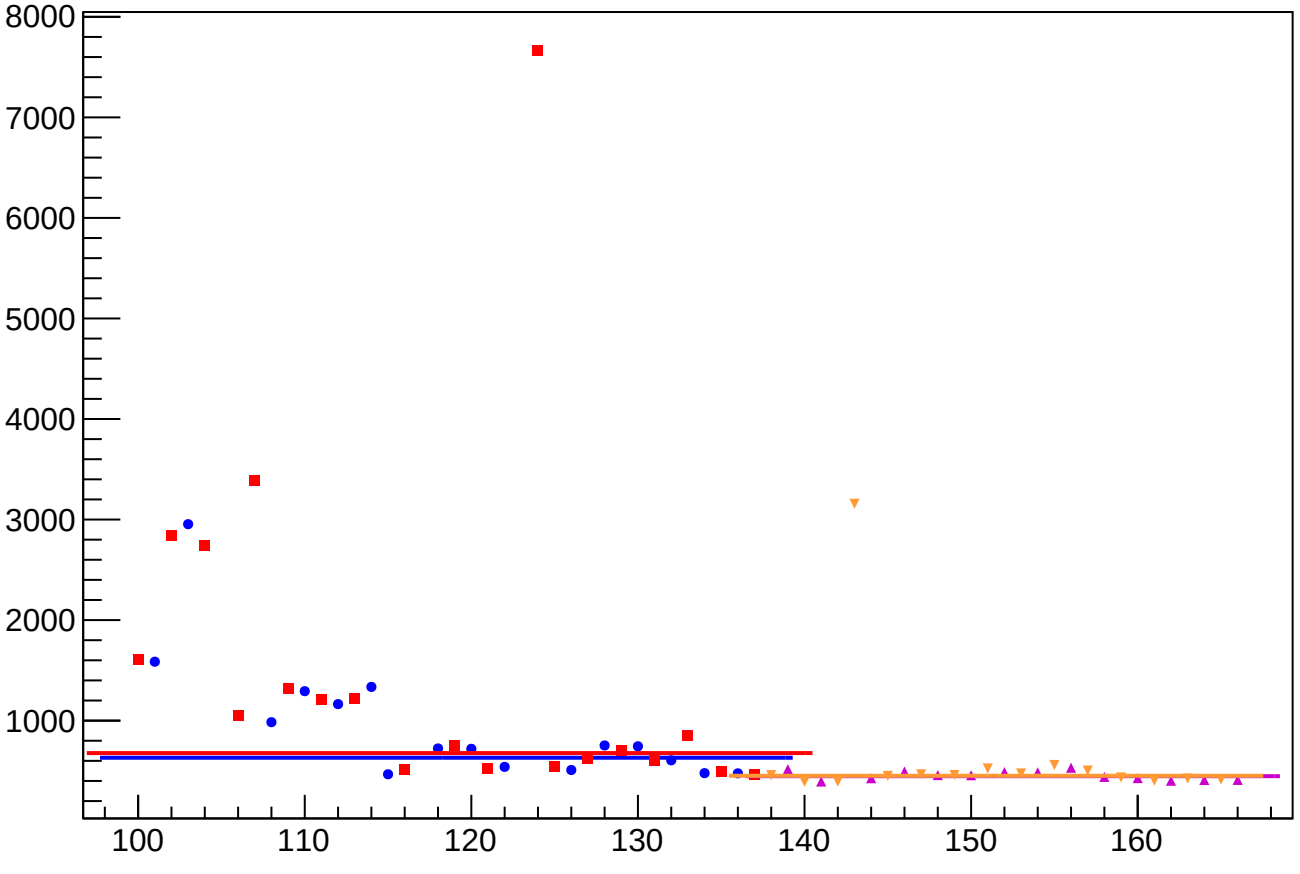
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 110.210+/-117.811 χ^2/NDF:38.0/29

Out: 429.994+/-122.274 χ^2/NDF:57.2/33

All: 264.160+/-84.839 χ^2/NDF: 98.8/63

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 451.842+/-0.096 χ^2/NDF:1415547.0/14

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 447.698+/-0.094 χ^2/NDF:191302.5/13

Left: 449.718+/-0.067 χ^2/NDF: 1607801.9/28

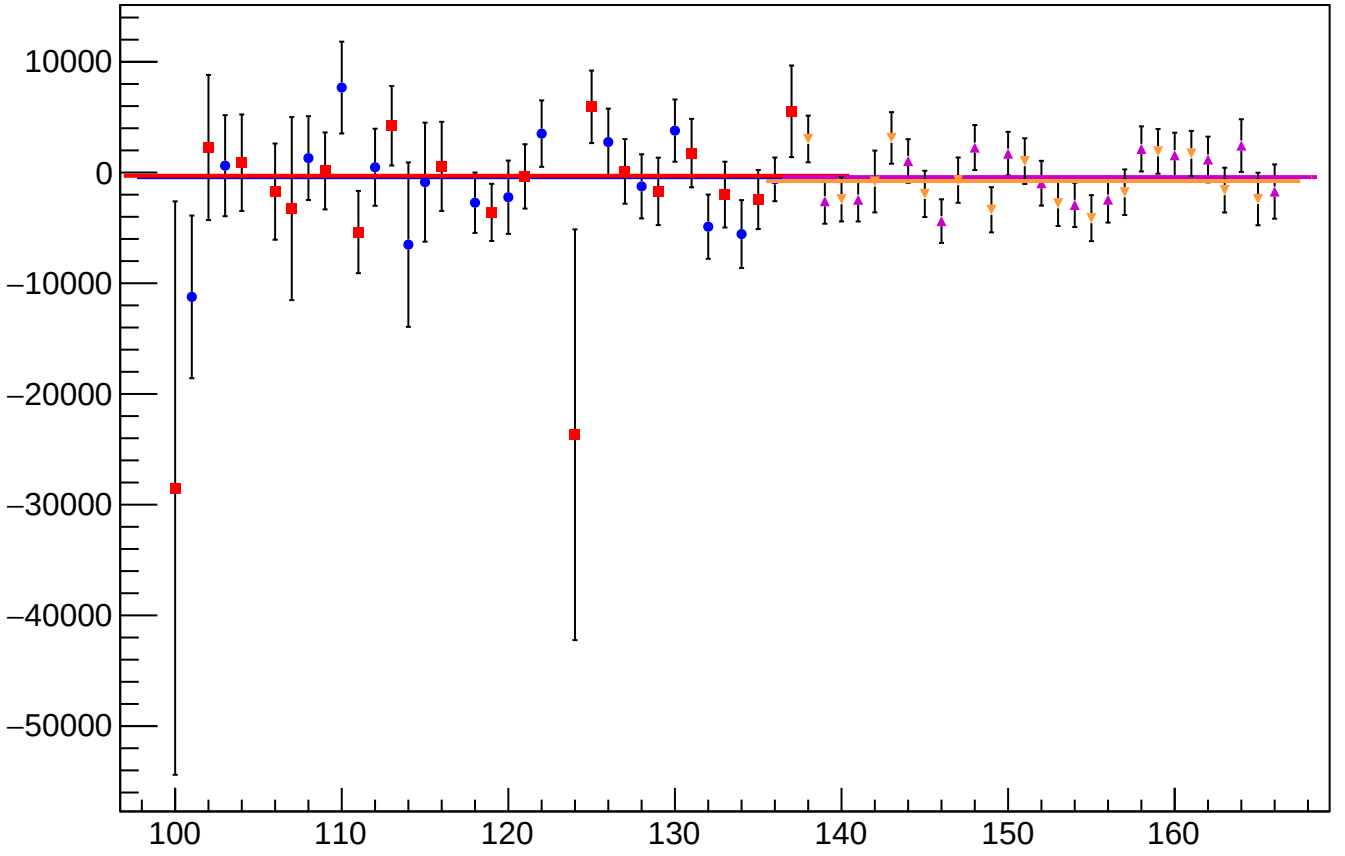
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 486.321+/-0.083 χ^2/NDF:3231779.8/29

Out: 494.998+/-0.086 χ^2/NDF:5550344.0/33

All: 490.498+/-0.060 χ^2/NDF: 8787346.7/63

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -771.549+/-547.019 χ^2/NDF:17.1/14

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -412.572+/-550.017 χ^2/NDF:17.2/13

Left: -593.041+/-387.856 χ^2/NDF: 34.5/28

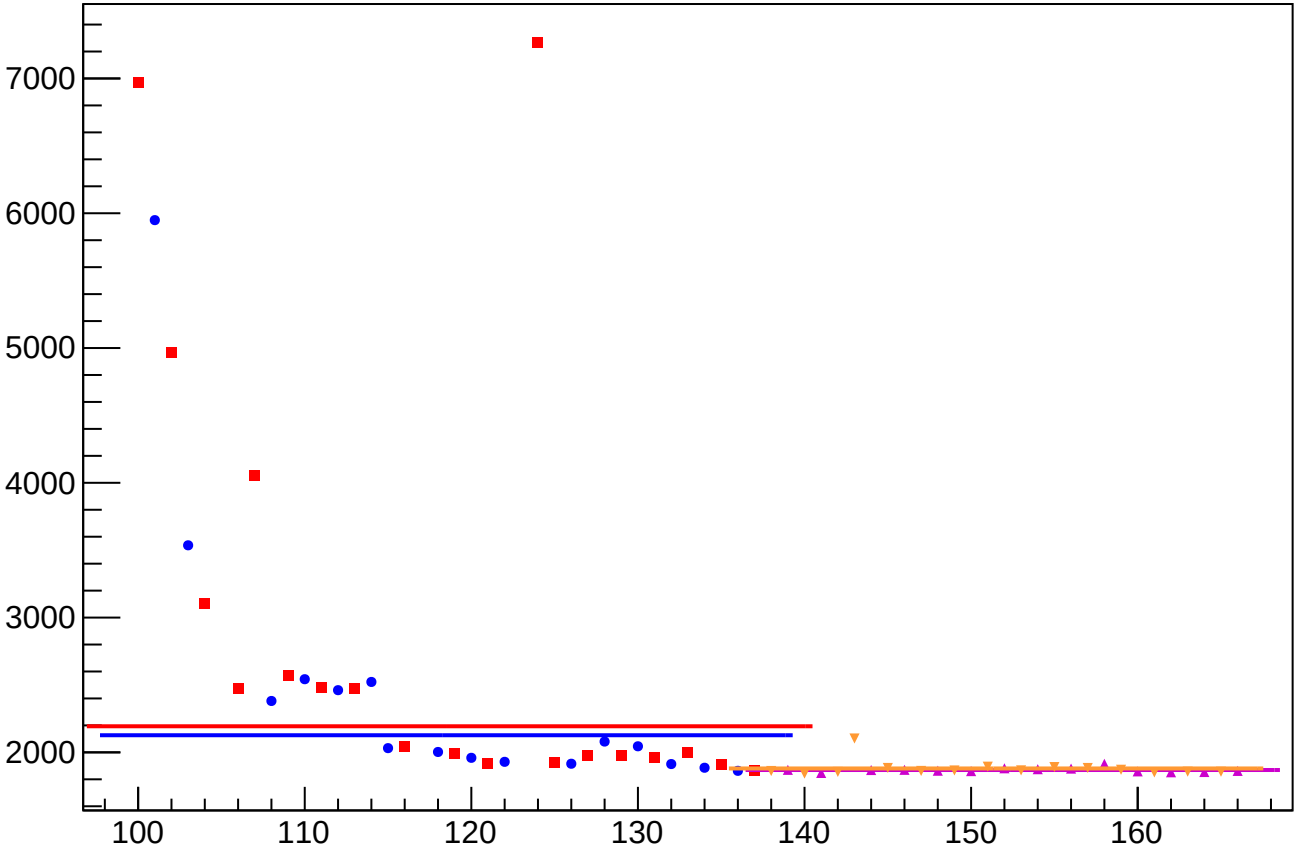
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -414.164+/-455.974 χ^2/NDF:35.5/29

Out: -627.485+/-457.012 χ^2/NDF:33.0/33

All: -520.581+/-322.789 χ^2/NDF: 68.6/63

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1880.577+/-0.387 χ^2/NDF:20751.2/14

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1869.021+/-0.389 χ^2/NDF:1743.3/13

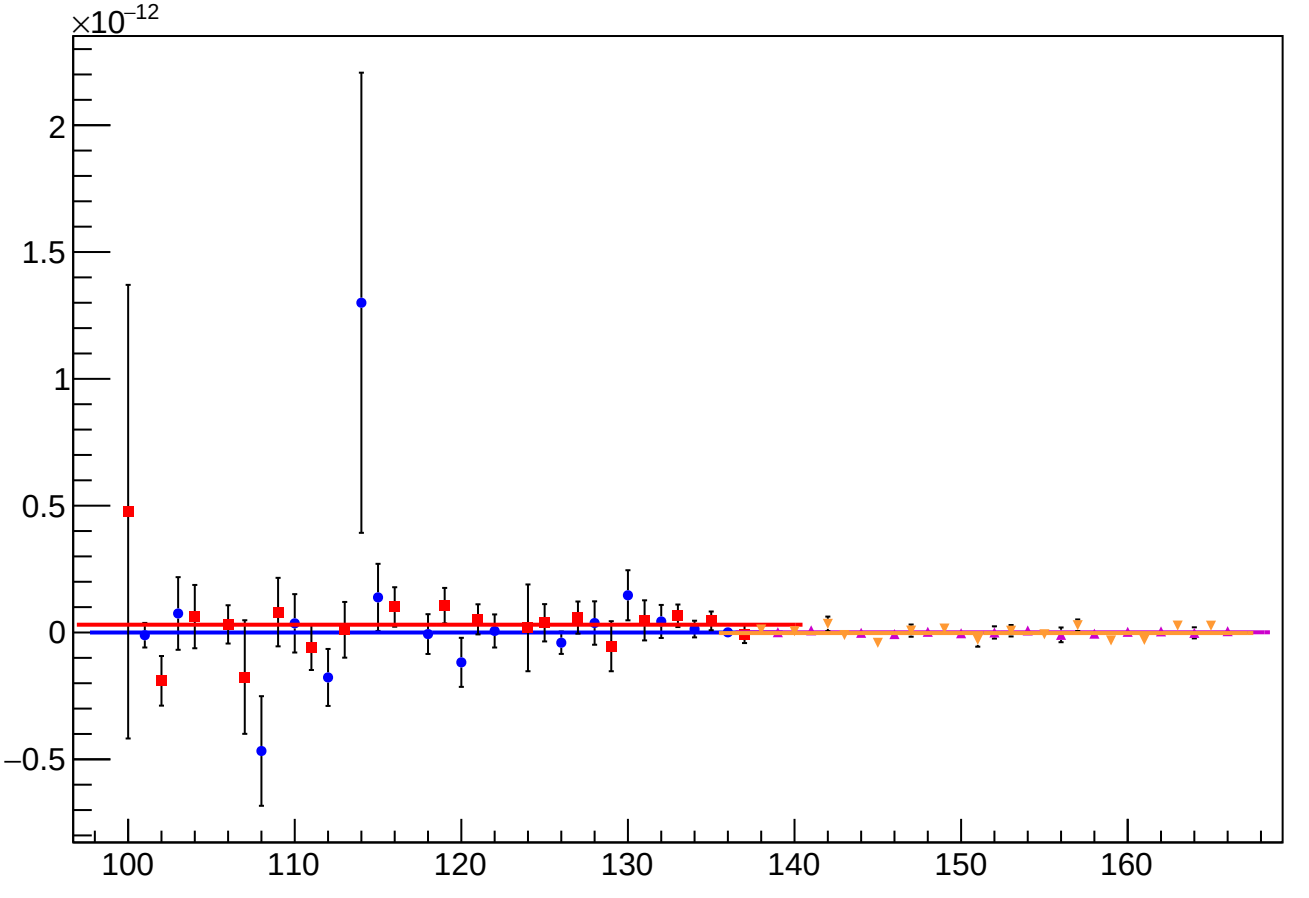
Left: 1874.831+/-0.274 χ^2/NDF: 22938.4/28

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1949.712+/-0.322 χ^2/NDF:1014465.1/29

Out: 1975.101+/-0.323 χ^2/NDF:1161067.4/33

All: 1962.377+/-0.228 χ^2/NDF: 2178625.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/13

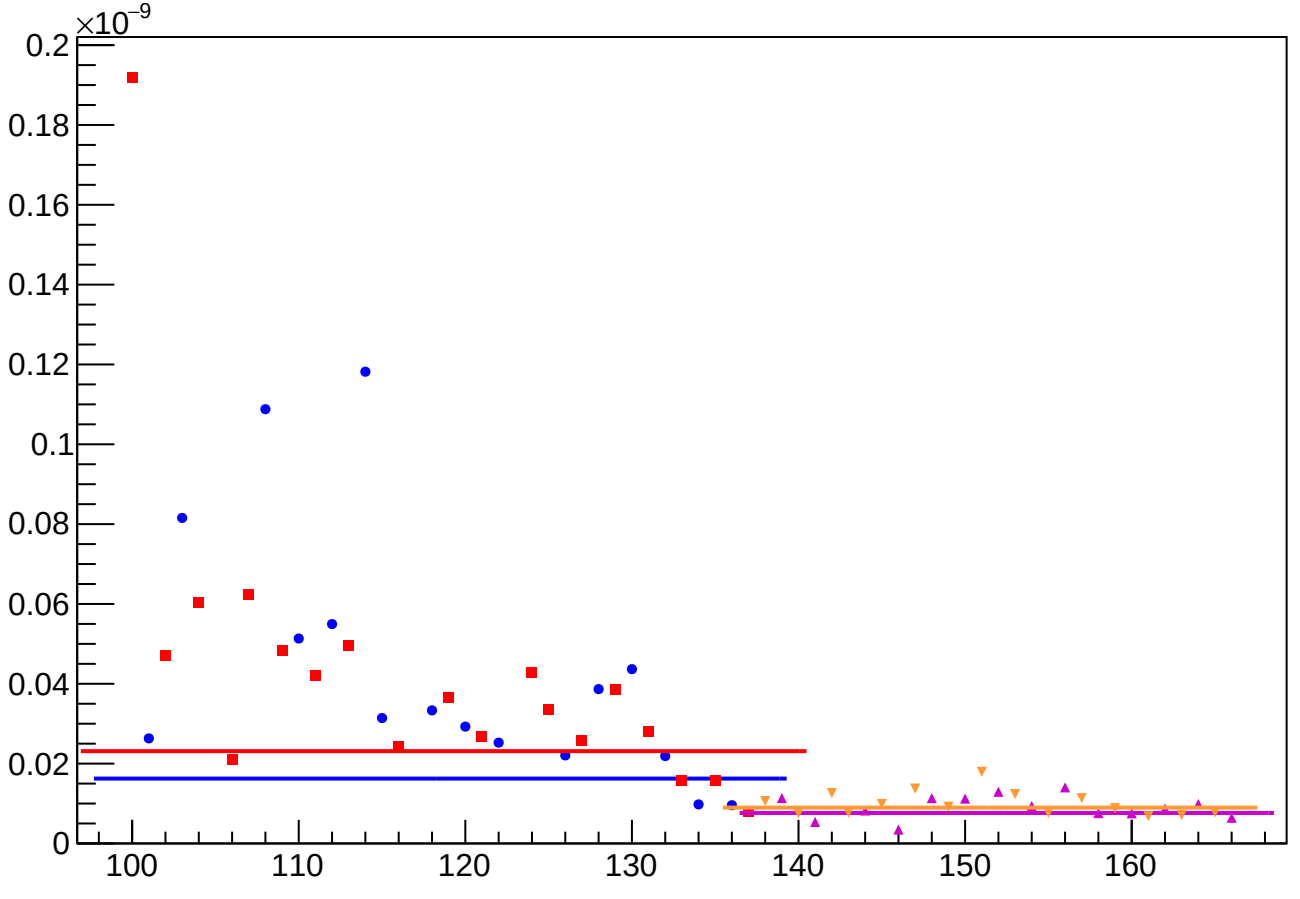
Left: -0.000+/-0.000 χ^2/NDF: 29.5/28

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.7/29

Out: 0.000+/-0.000 χ^2/NDF:44.1/33

All: 0.000+/-0.000 χ^2/NDF: 61.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:579177.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:916657.1/13

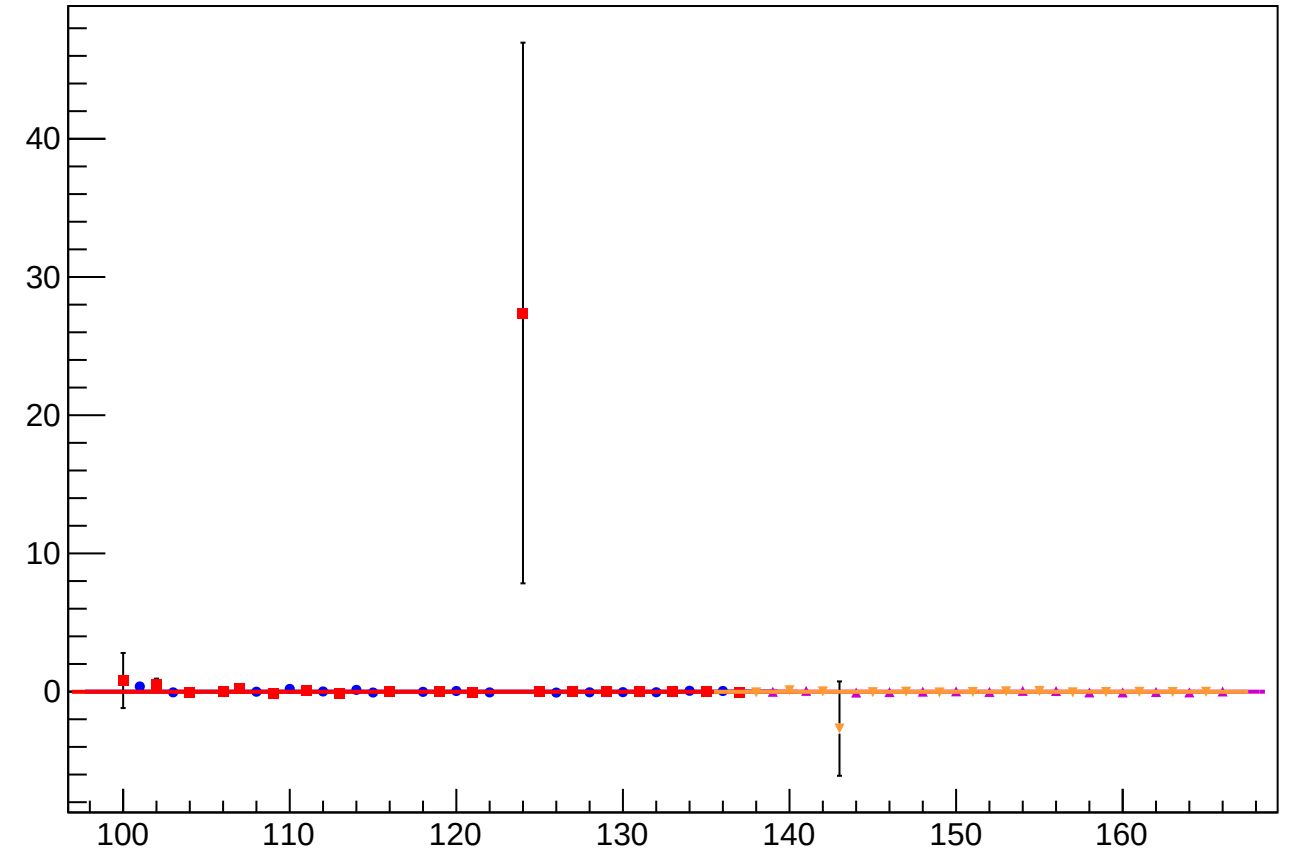
Left: 0.000+/-0.000 χ^2/NDF: 1592354.1/28

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4145098.4/29

Out: 0.000+/-0.000 χ^2/NDF:3487771.2/33

All: 0.000+/-0.000 χ^2/NDF: 7761239.7/63



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

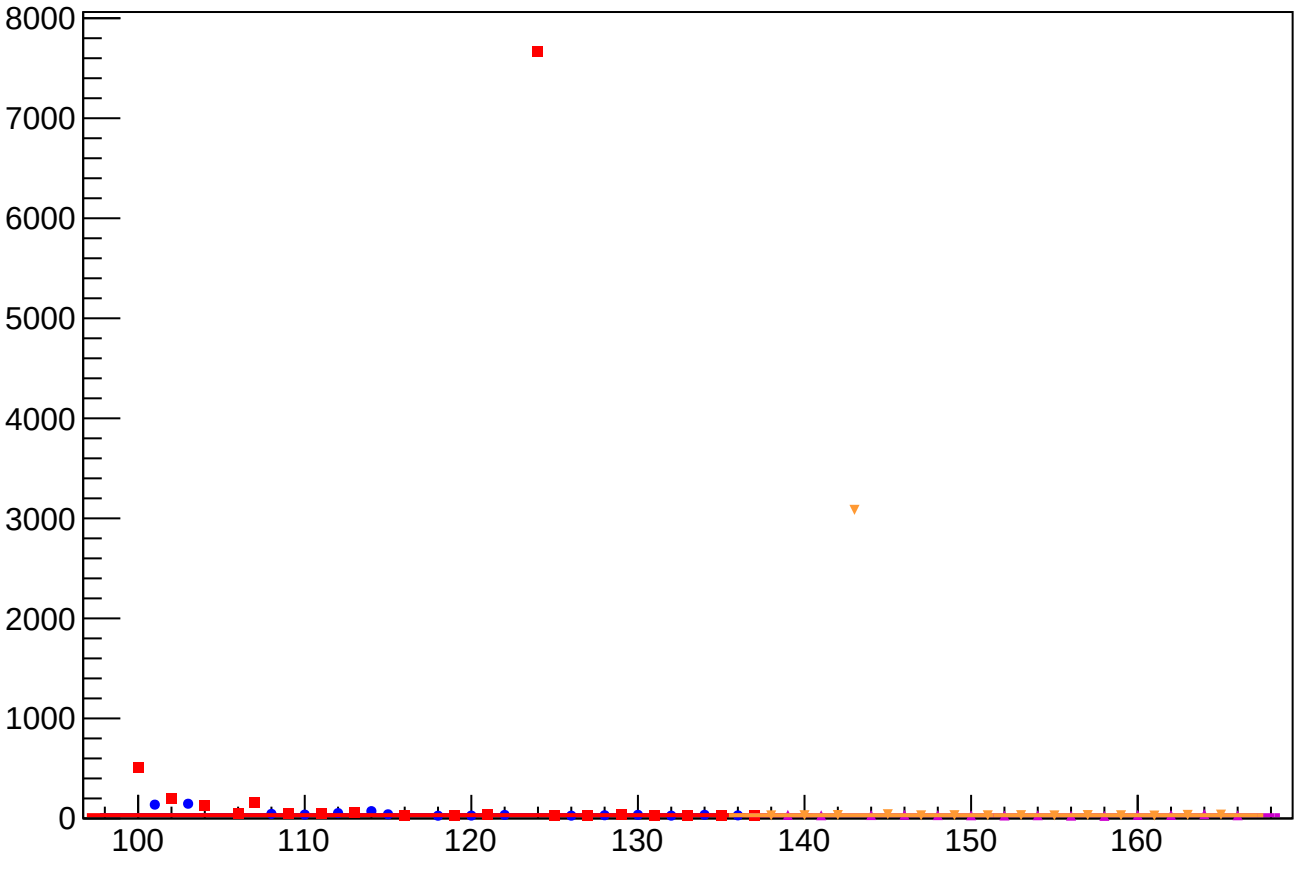
Left: -0.008+/-0.007 χ^2/NDF: 33.1/28

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.007+/-0.006 χ^2/NDF: 68.8/63



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750046.1/14

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.622+/-0.007 χ^2/NDF:250638.1/13

Left: 32.589+/-0.005 χ^2/NDF: 2000724.3/28

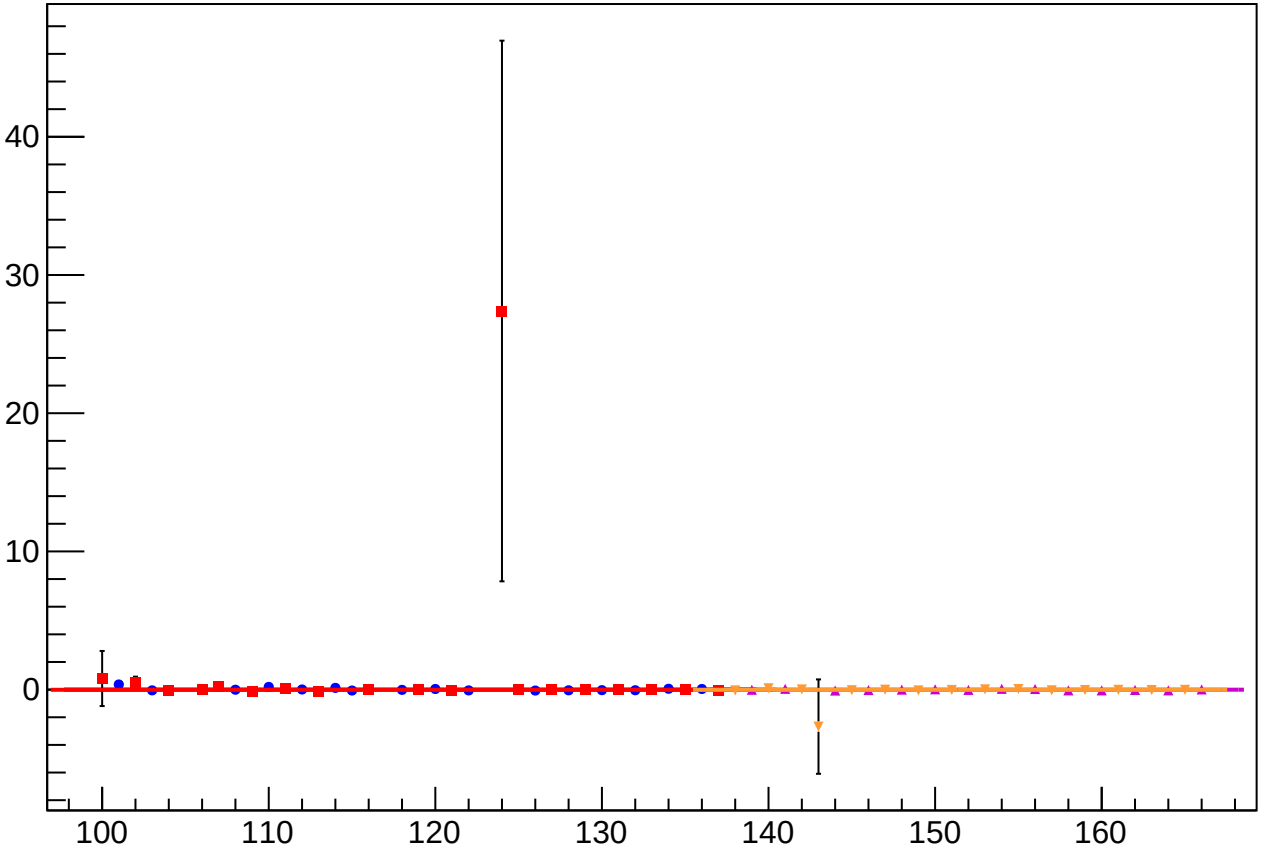
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.103+/-0.006 χ^2/NDF:1980440.0/29

Out: 32.734+/-0.006 χ^2/NDF:3826842.0/33

All: 32.921+/-0.004 χ^2/NDF: 5809126.0/63

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.008+/-0.007 χ^2/NDF: 33.1/28

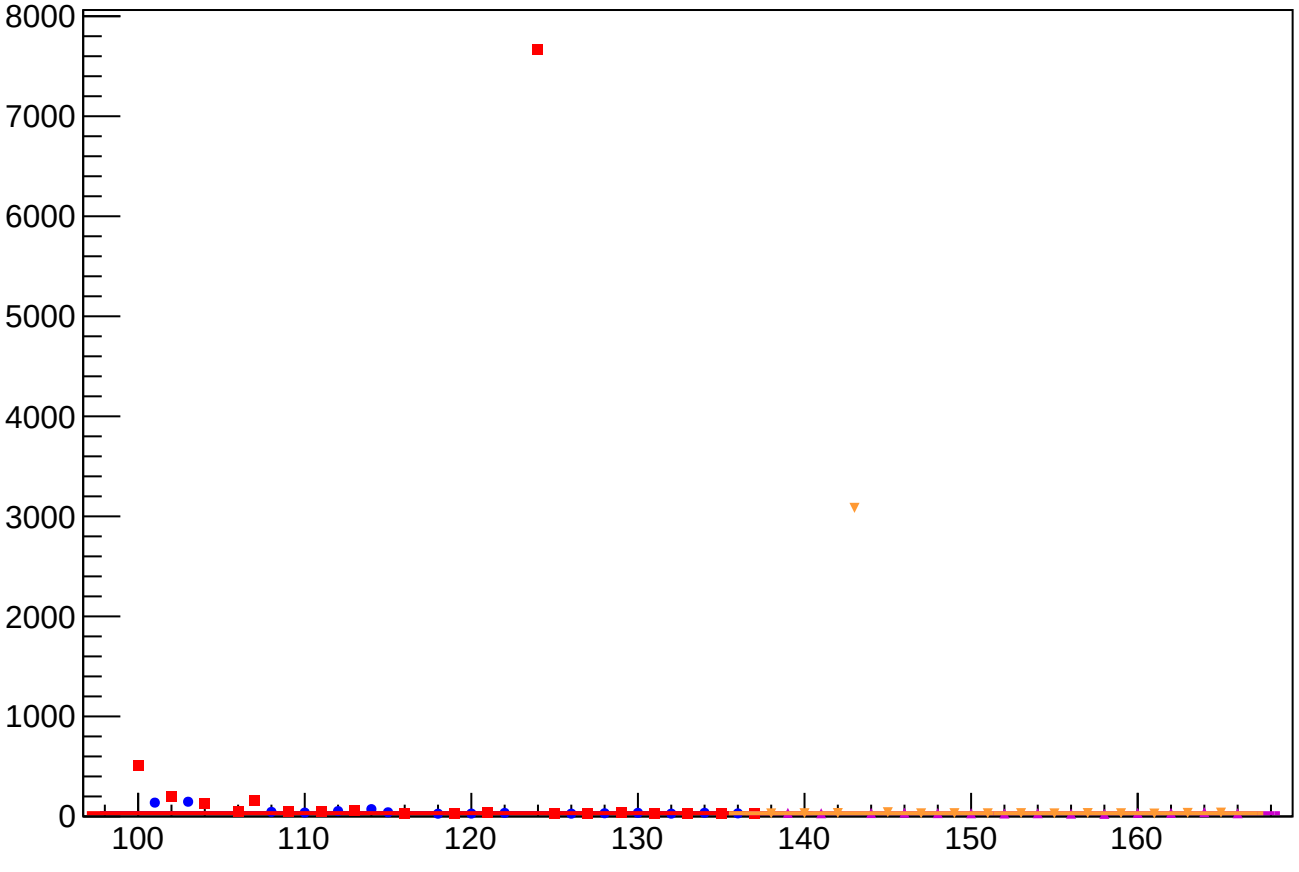
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.007+/-0.006 χ^2/NDF: 68.8/63

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750046.1/14

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.622+/-0.007 χ^2/NDF:250638.1/13

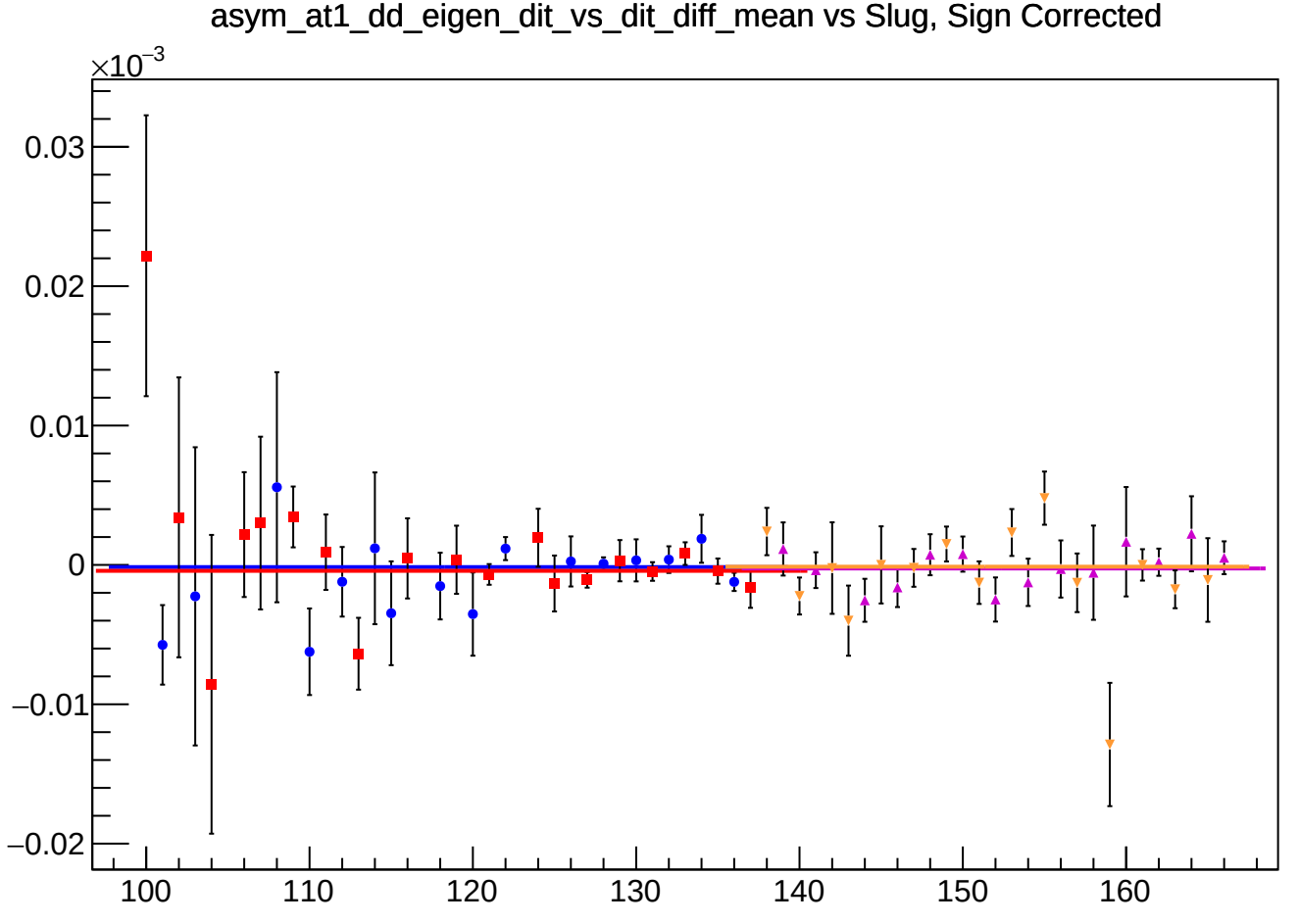
Left: 32.589+/-0.005 χ^2/NDF: 2000724.3/28

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.103+/-0.006 χ^2/NDF:1980440.0/29

Out: 32.734+/-0.006 χ^2/NDF:3826842.0/33

All: 32.921+/-0.004 χ^2/NDF: 5809126.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/13

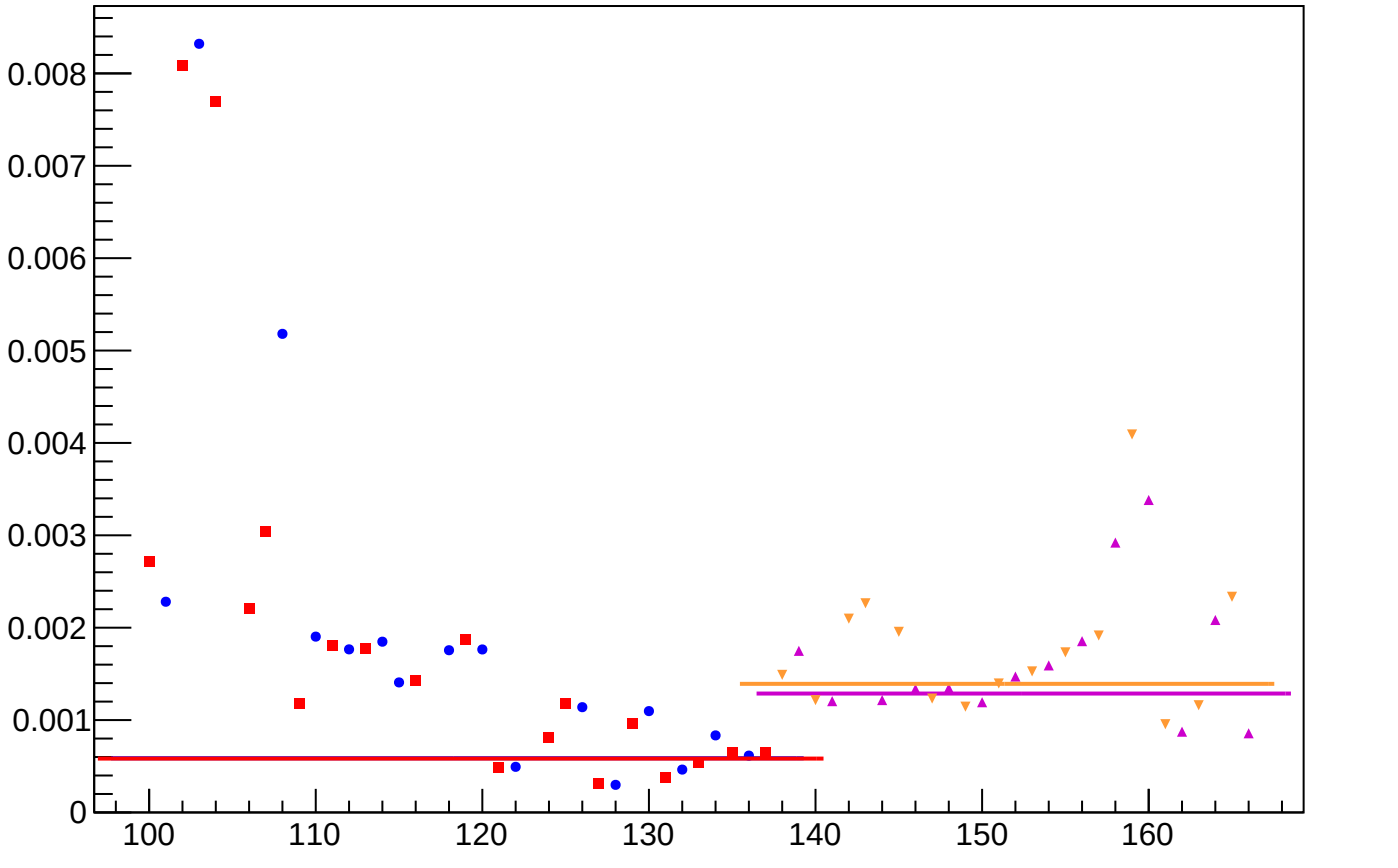
Left: -0.000+/-0.000 χ^2/NDF: 37.1/28

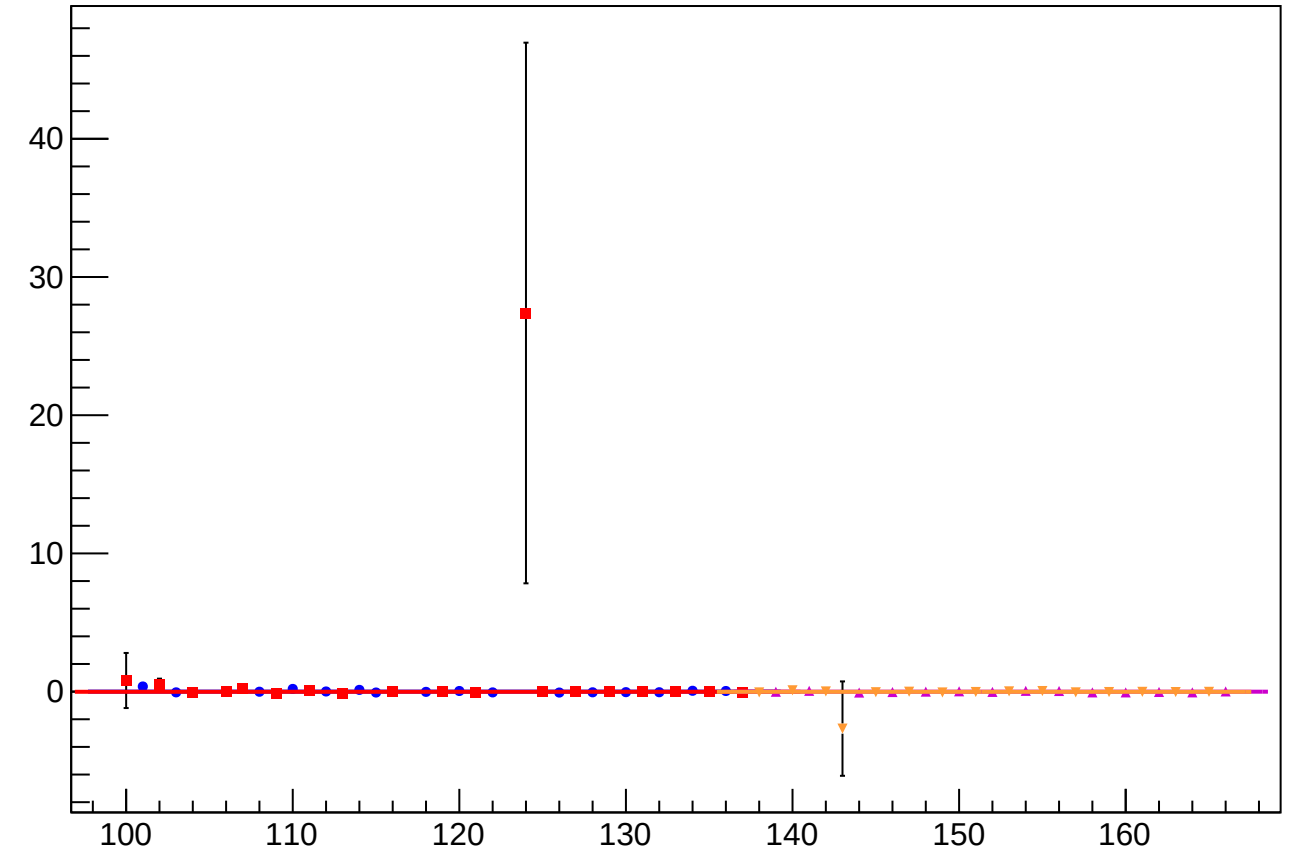
Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:27.1/29

Out: -0.000+/-0.000 χ^2/NDF:50.2/33

All: -0.000+/-0.000 χ^2/NDF: 77.4/63


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:2064223.3/14
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:2227076.7/13
Left: 0.001+/-0.000 χ²/NDF: 4352750.3/28
Right: 0.001+/-0.000 χ²/NDF: 10917885.2/34
In: 0.001+/-0.000 χ²/NDF:11566505.8/29
Out: 0.001+/-0.000 χ²/NDF:12315315.7/33
All: 0.001+/-0.000 χ²/NDF: 23881839.6/63



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.008+/-0.007 χ^2/NDF: 33.1/28

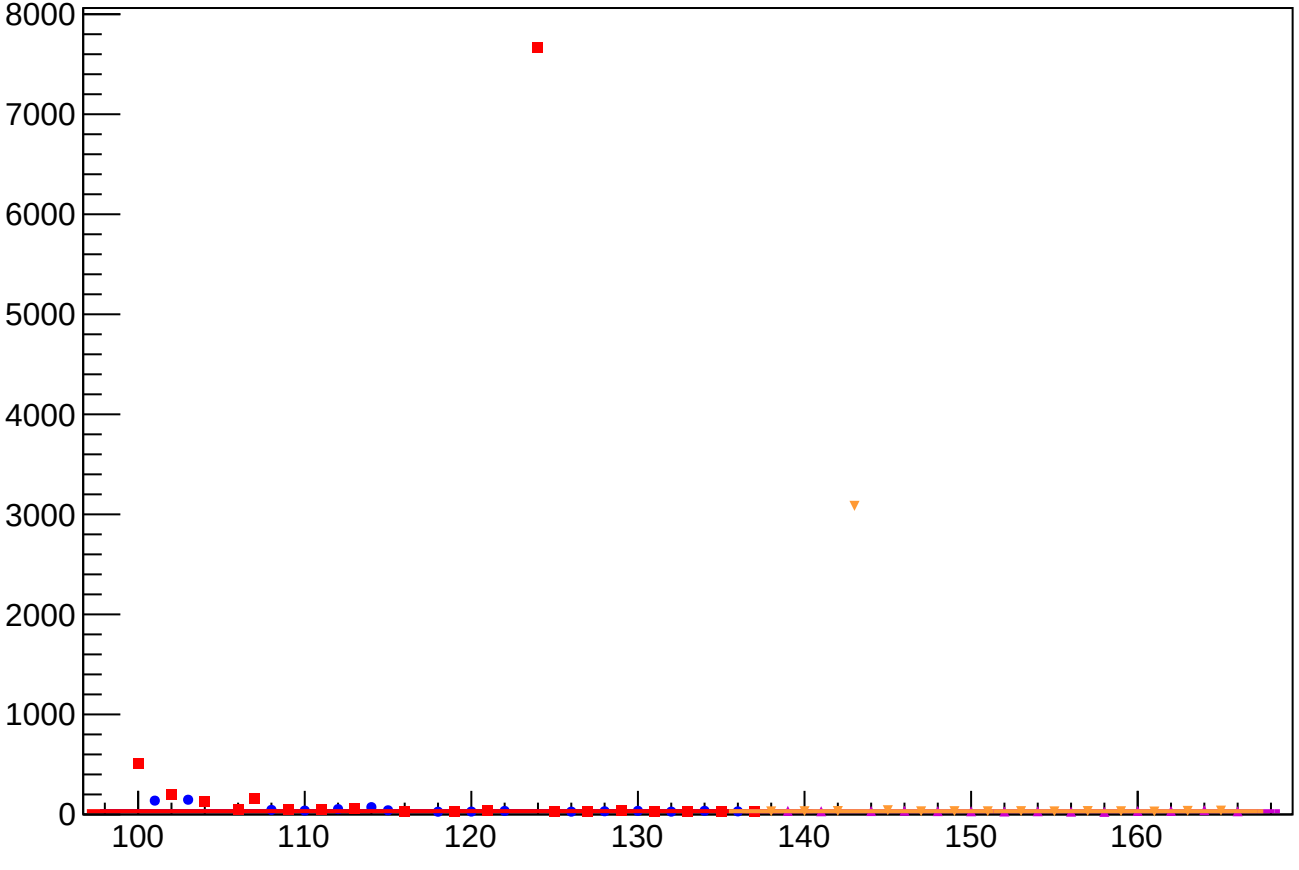
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.007+/-0.006 χ^2/NDF: 68.8/63

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750040.7/14

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.623+/-0.007 χ^2/NDF:250558.2/13

Left: 32.589+/-0.005 χ^2/NDF: 2000639.3/28

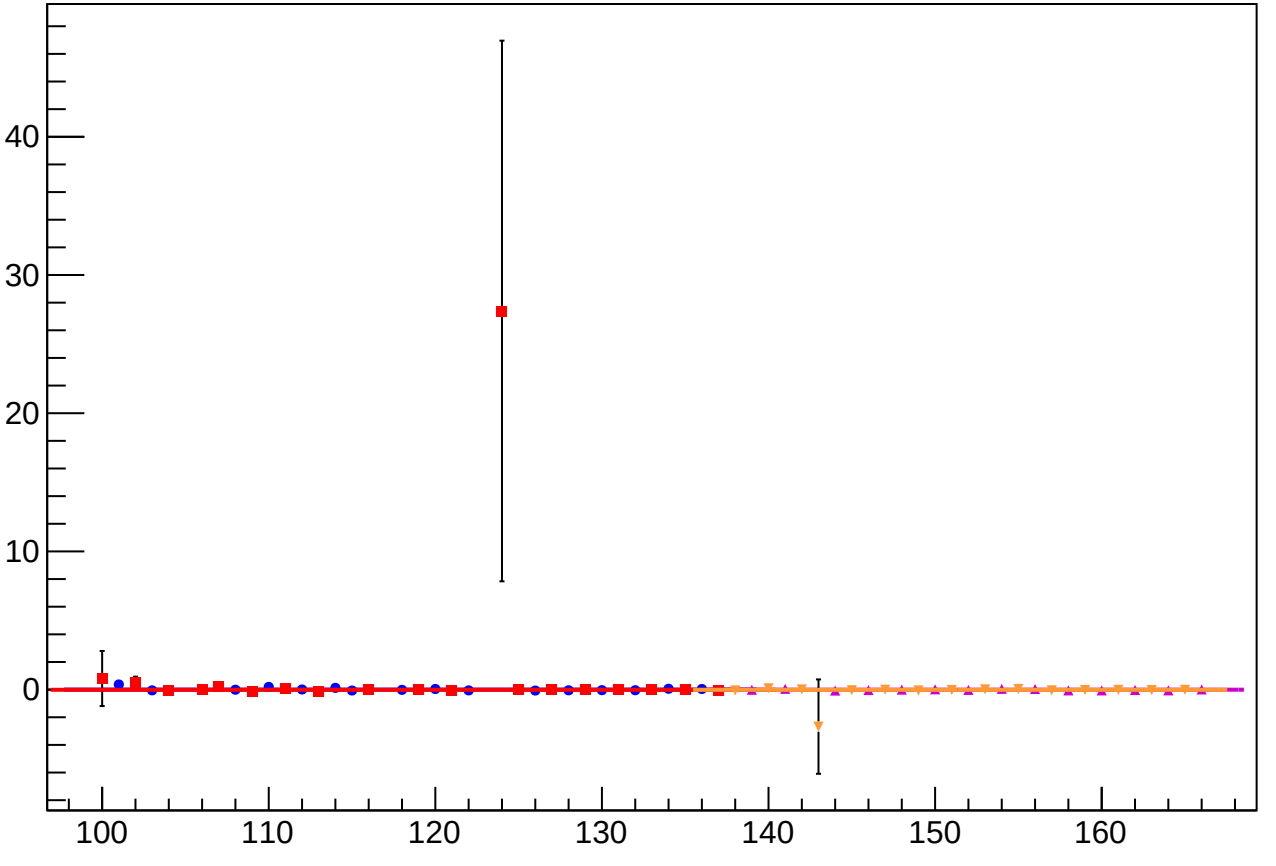
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.103+/-0.006 χ^2/NDF:1980343.4/29

Out: 32.734+/-0.006 χ^2/NDF:3826817.0/33

All: 32.921+/-0.004 χ^2/NDF: 5809006.6/63

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.010 χ^2/NDF:16.4/13

Left: -0.008+/-0.007 χ^2/NDF: 33.1/28

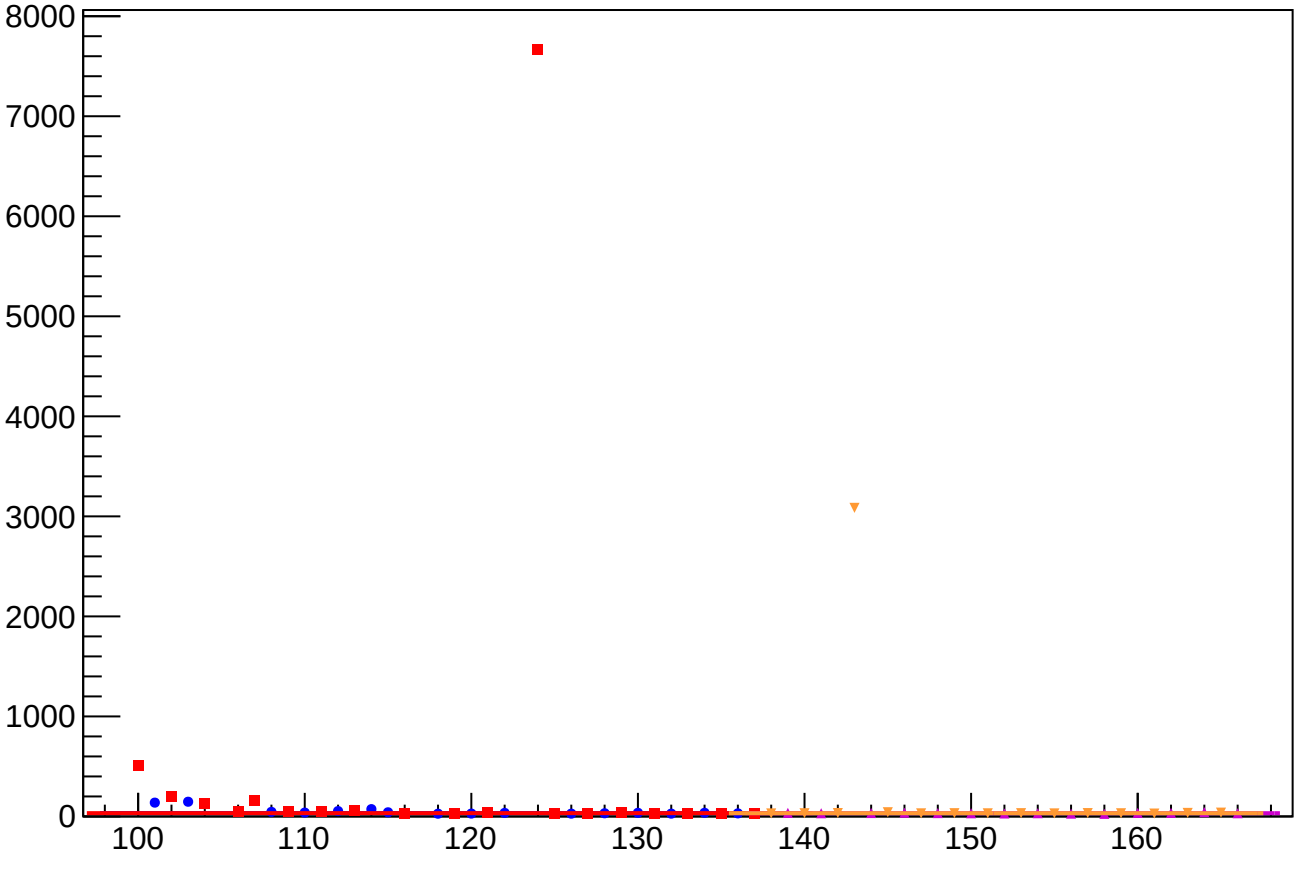
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.5/29

Out: -0.012+/-0.009 χ^2/NDF:30.7/33

All: -0.007+/-0.006 χ^2/NDF: 68.8/63

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750040.7/14

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.623+/-0.007 χ^2/NDF:250558.2/13

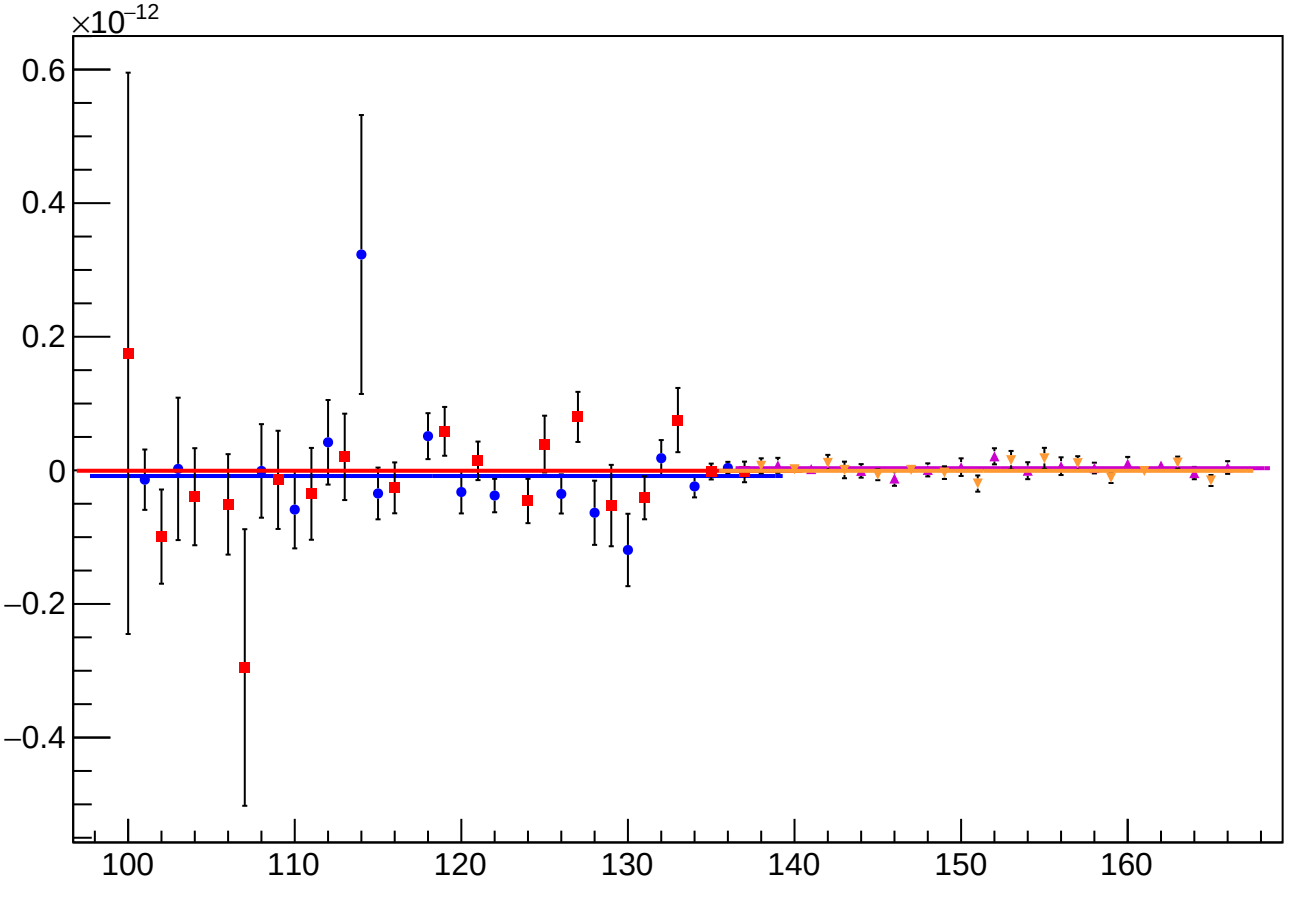
Left: 32.589+/-0.005 χ^2/NDF: 2000639.3/28

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.103+/-0.006 χ^2/NDF:1980343.4/29

Out: 32.734+/-0.006 χ^2/NDF:3826817.0/33

All: 32.921+/-0.004 χ^2/NDF: 5809006.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/13

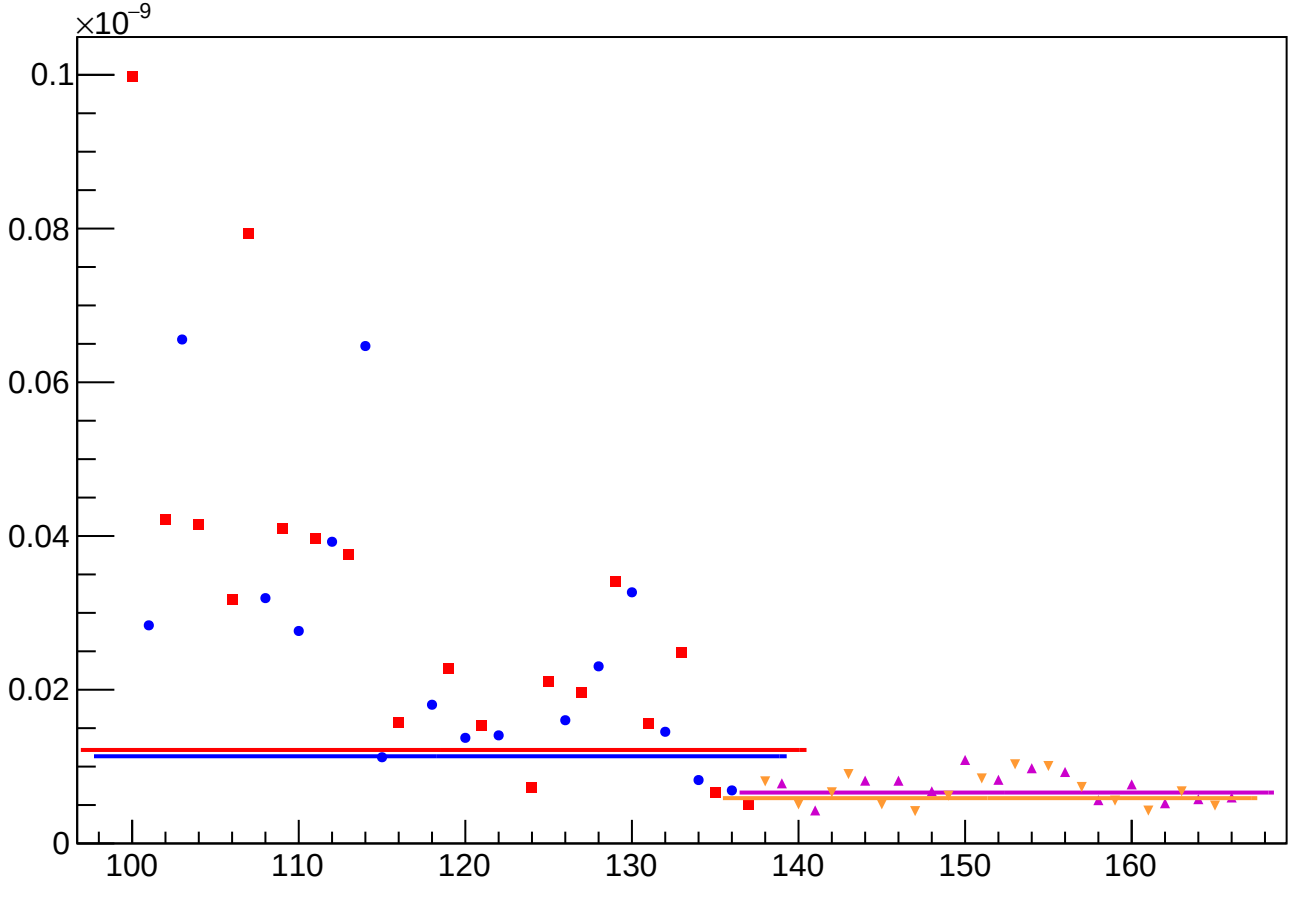
Left: 0.000+/-0.000 χ^2/NDF: 22.6/28

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.3/29

Out: -0.000+/-0.000 χ^2/NDF:36.0/33

All: 0.000+/-0.000 χ^2/NDF: 64.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1033732.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:997029.5/13

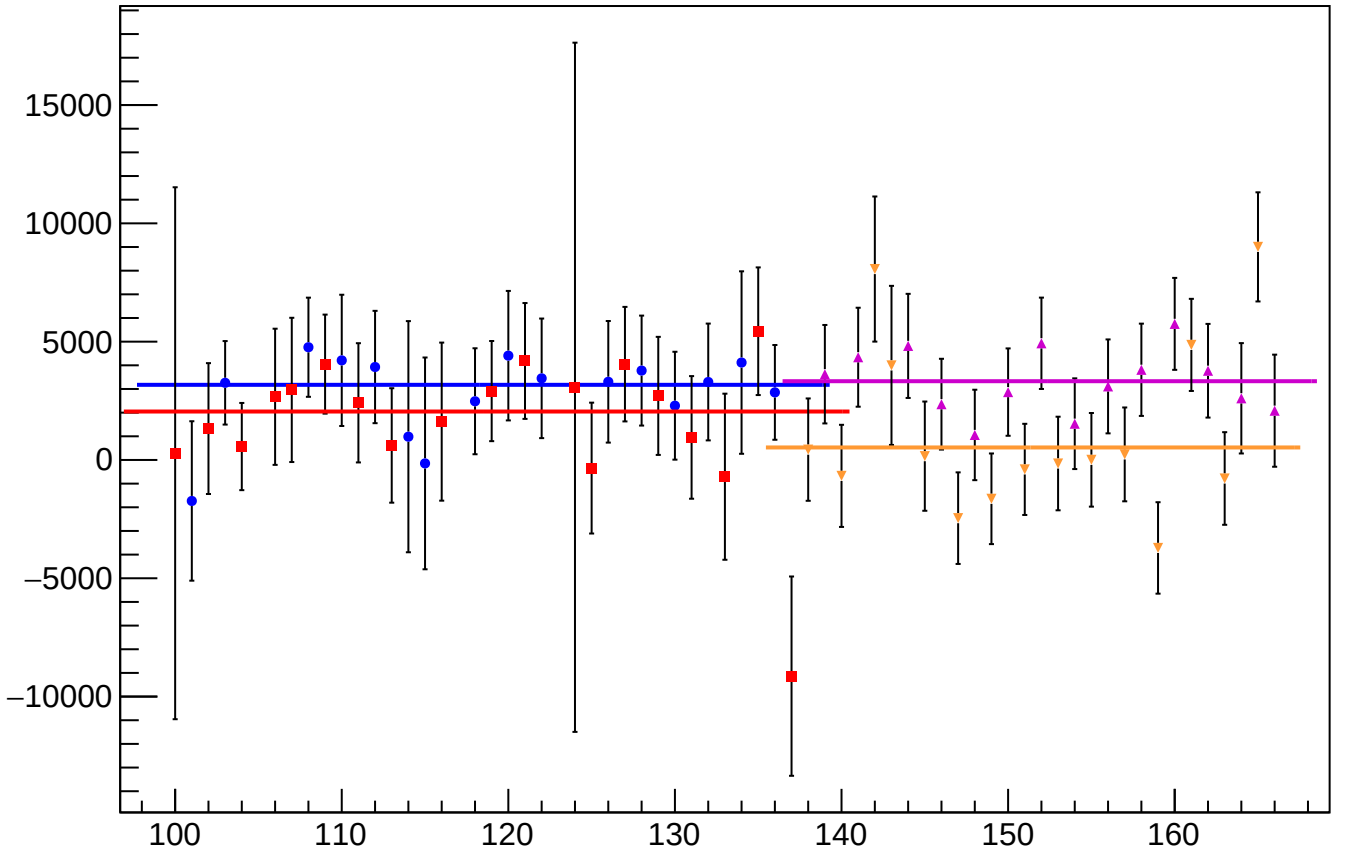
Left: 0.000+/-0.000 χ^2/NDF: 2119967.7/28

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4750583.9/29

Out: 0.000+/-0.000 χ^2/NDF:6147006.7/33

All: 0.000+/-0.000 χ^2/NDF: 11016916.9/63



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.444+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.558+/-538.817 χ^2/NDF:6.1/13

Left: 1944.575+/-383.182 χ^2/NDF: 54.7/28

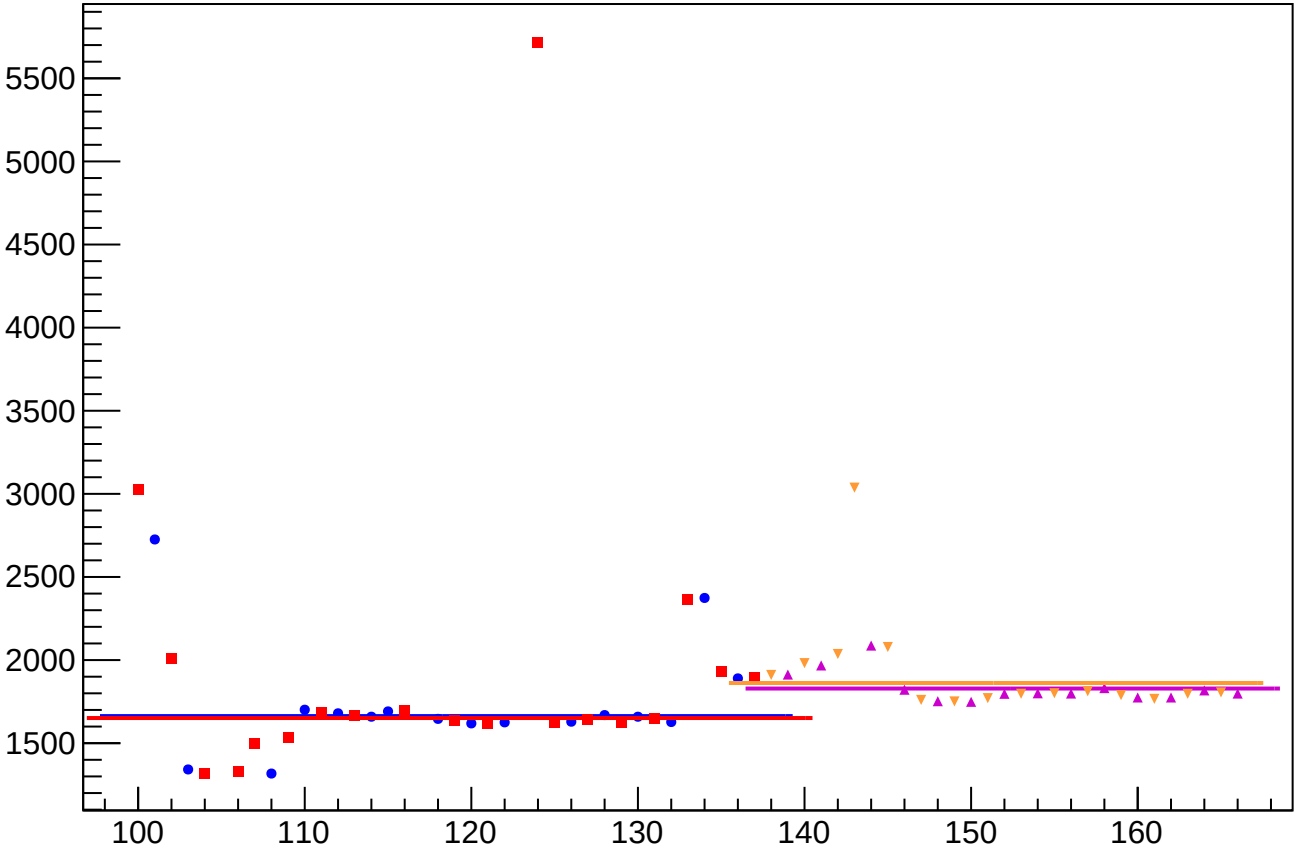
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3263.700+/-408.927 χ^2/NDF:10.4/29

Out: 1188.791+/-409.782 χ^2/NDF:52.7/33

All: 2228.412+/-289.457 χ^2/NDF: 76.0/63

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

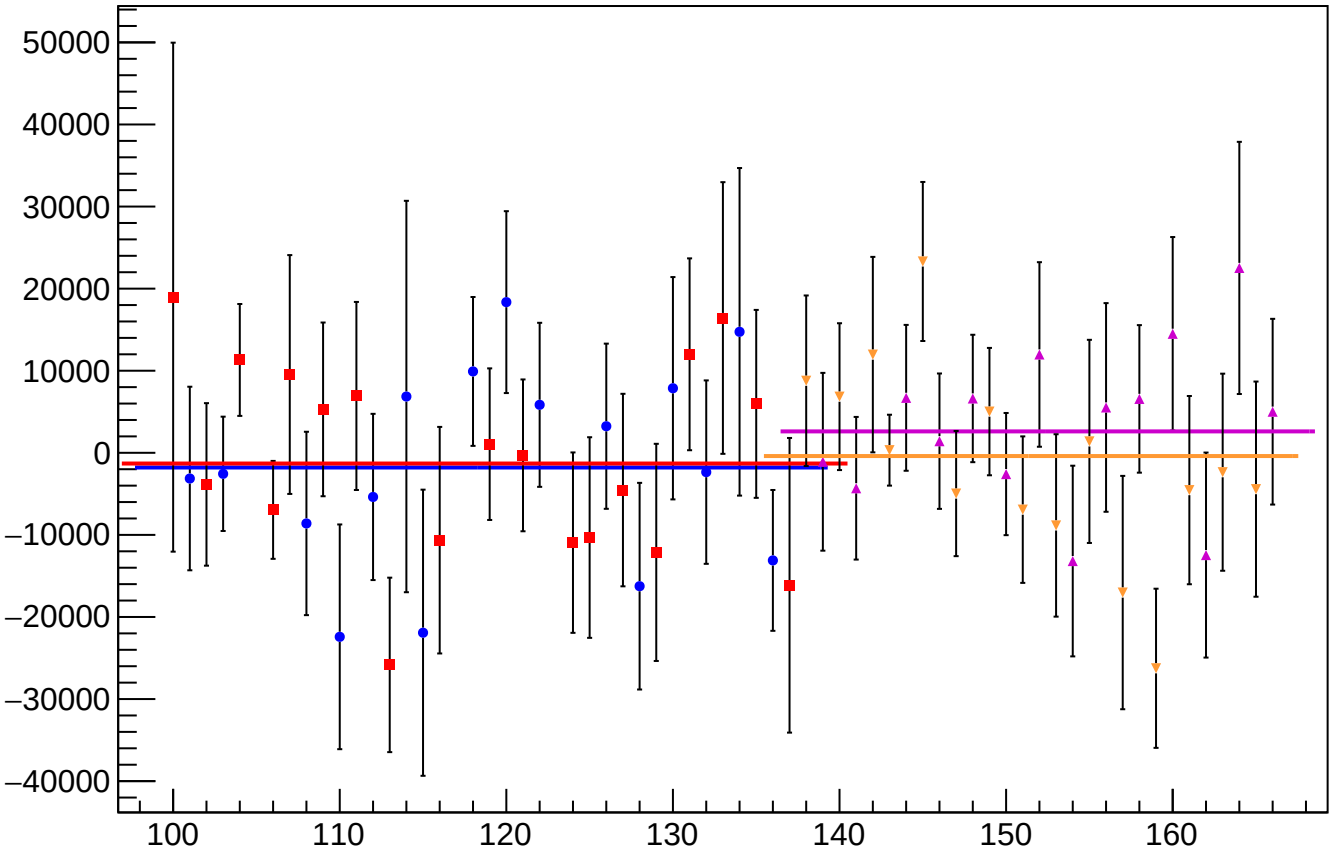
Left: 1845.245+/-0.271 χ^2/NDF: 363939.1/28

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1758.444+/-0.289 χ^2/NDF:547455.7/29

Out: 1770.464+/-0.290 χ^2/NDF:870697.8/33

All: 1764.441+/-0.205 χ^2/NDF: 1419015.7/63



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -395.106+/-2293.909 χ^2/NDF:19.2/14

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2608.486+/-2641.225 χ^2/NDF:8.7/13

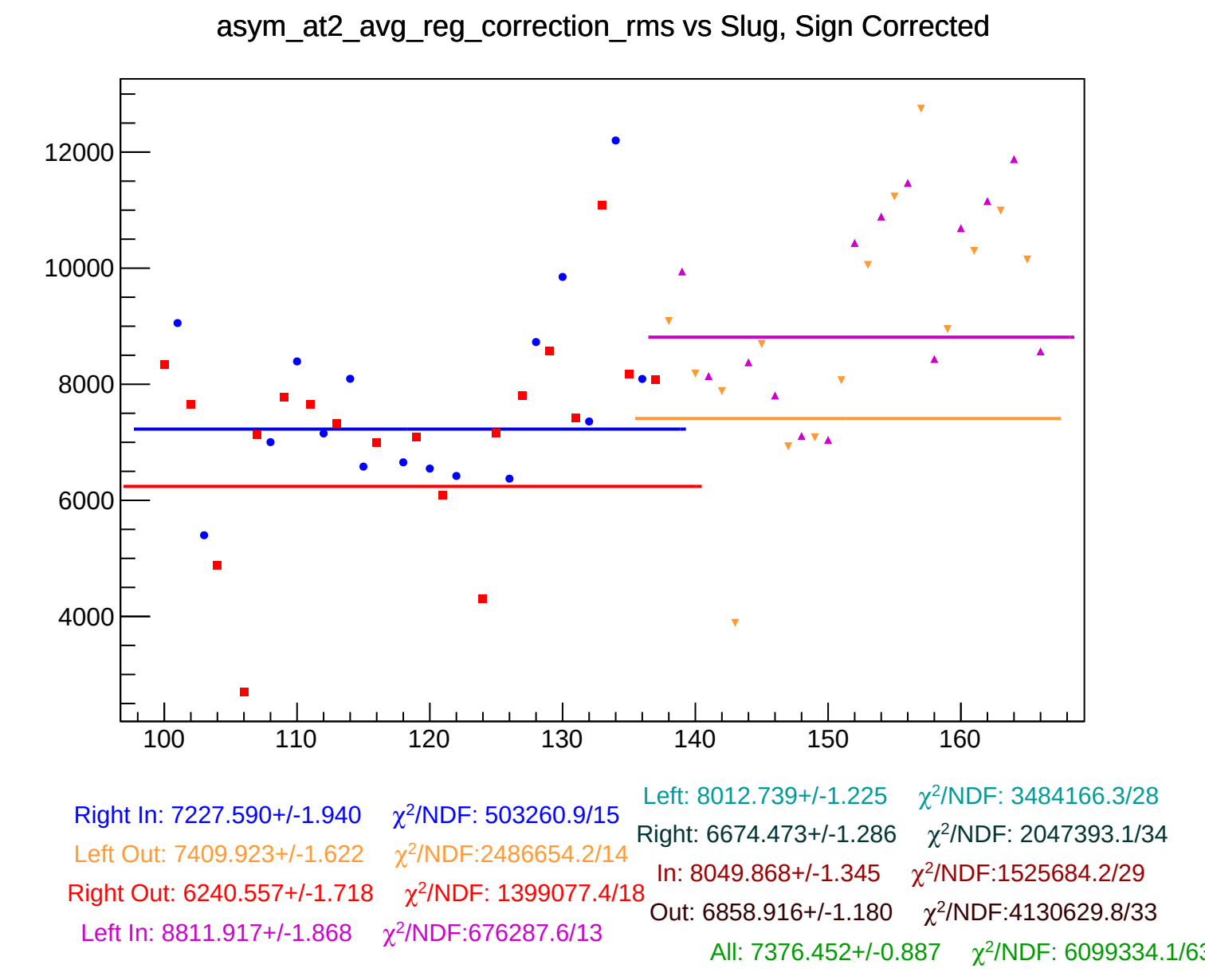
Left: 896.350+/-1731.908 χ^2/NDF: 28.7/28

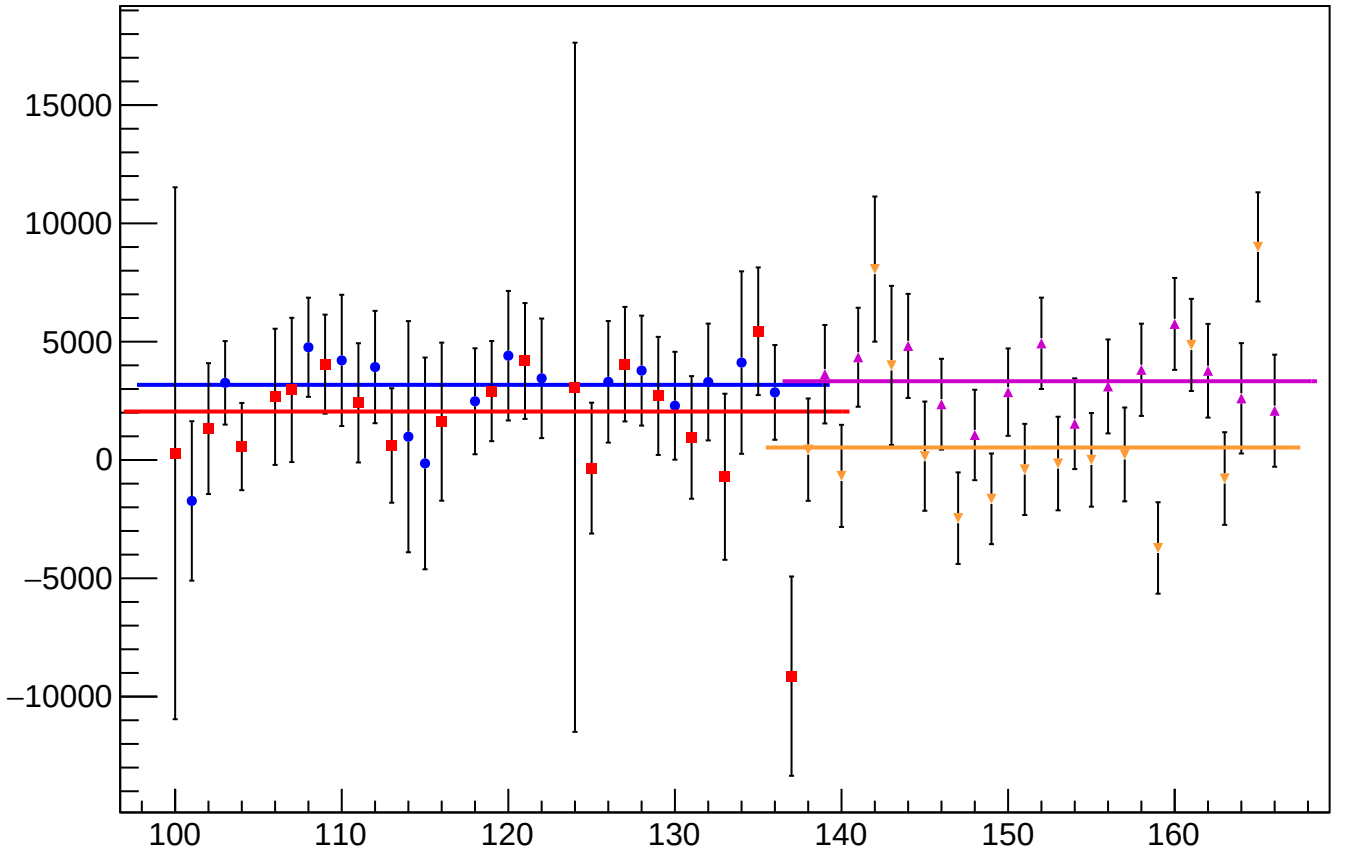
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 492.354+/-1902.797 χ^2/NDF:24.4/29

Out: -824.468+/-1668.096 χ^2/NDF:37.0/33

All: -252.234+/-1254.341 χ^2/NDF: 61.7/63


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7409.923+/-1.622 χ²/NDF:2486654.2/14
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8811.917+/-1.868 χ²/NDF:676287.6/13
Left: 8012.739+/-1.225 χ²/NDF: 3484166.3/28
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8049.868+/-1.345 χ²/NDF:1525684.2/29
Out: 6858.916+/-1.180 χ²/NDF:4130629.8/33
All: 7376.452+/-0.887 χ²/NDF: 6099334.1/63



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.647+/-538.817 χ^2/NDF:6.1/13

Left: 1944.587+/-383.182 χ^2/NDF: 54.7/28

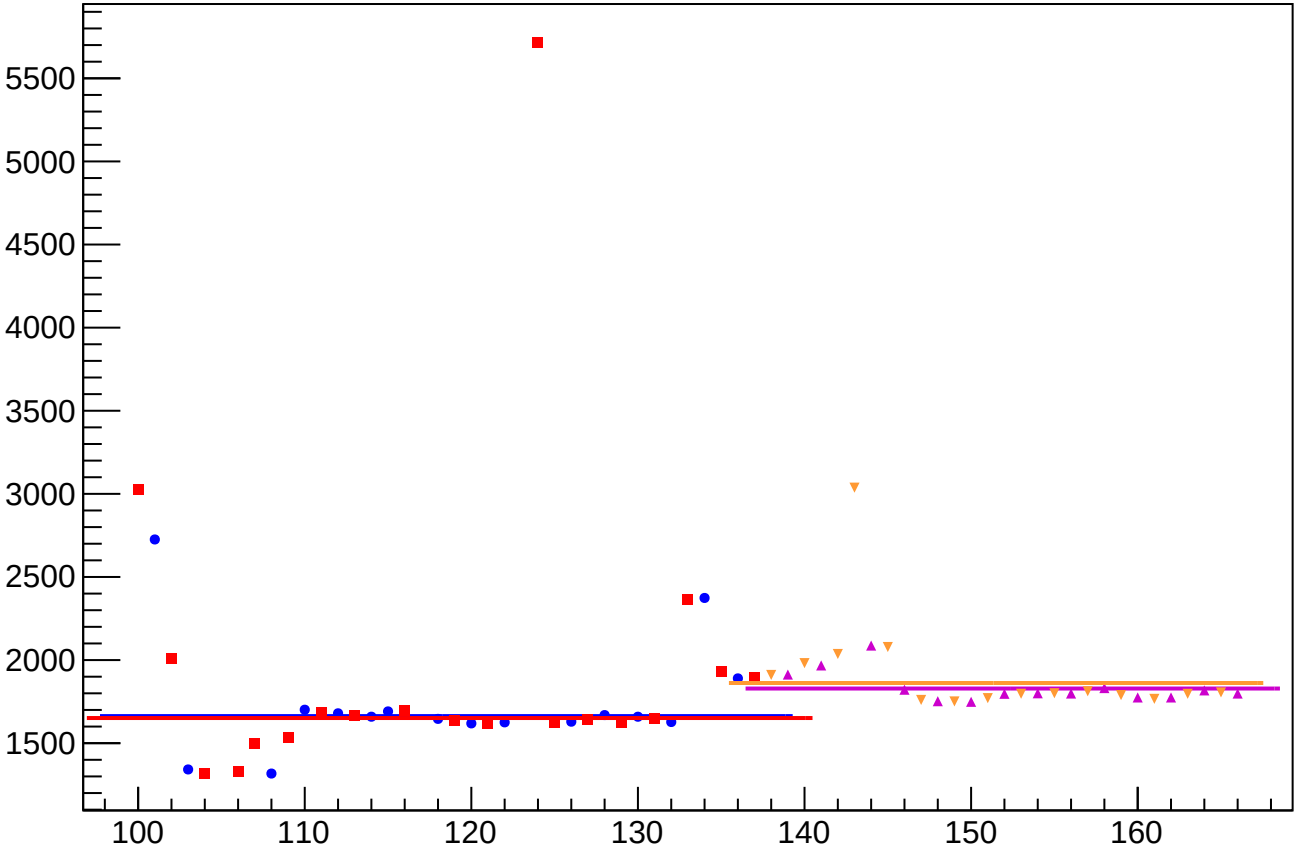
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3263.790+/-408.927 χ^2/NDF:10.4/29

Out: 1188.669+/-409.782 χ^2/NDF:52.7/33

All: 2228.396+/-289.457 χ^2/NDF: 76.0/63

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

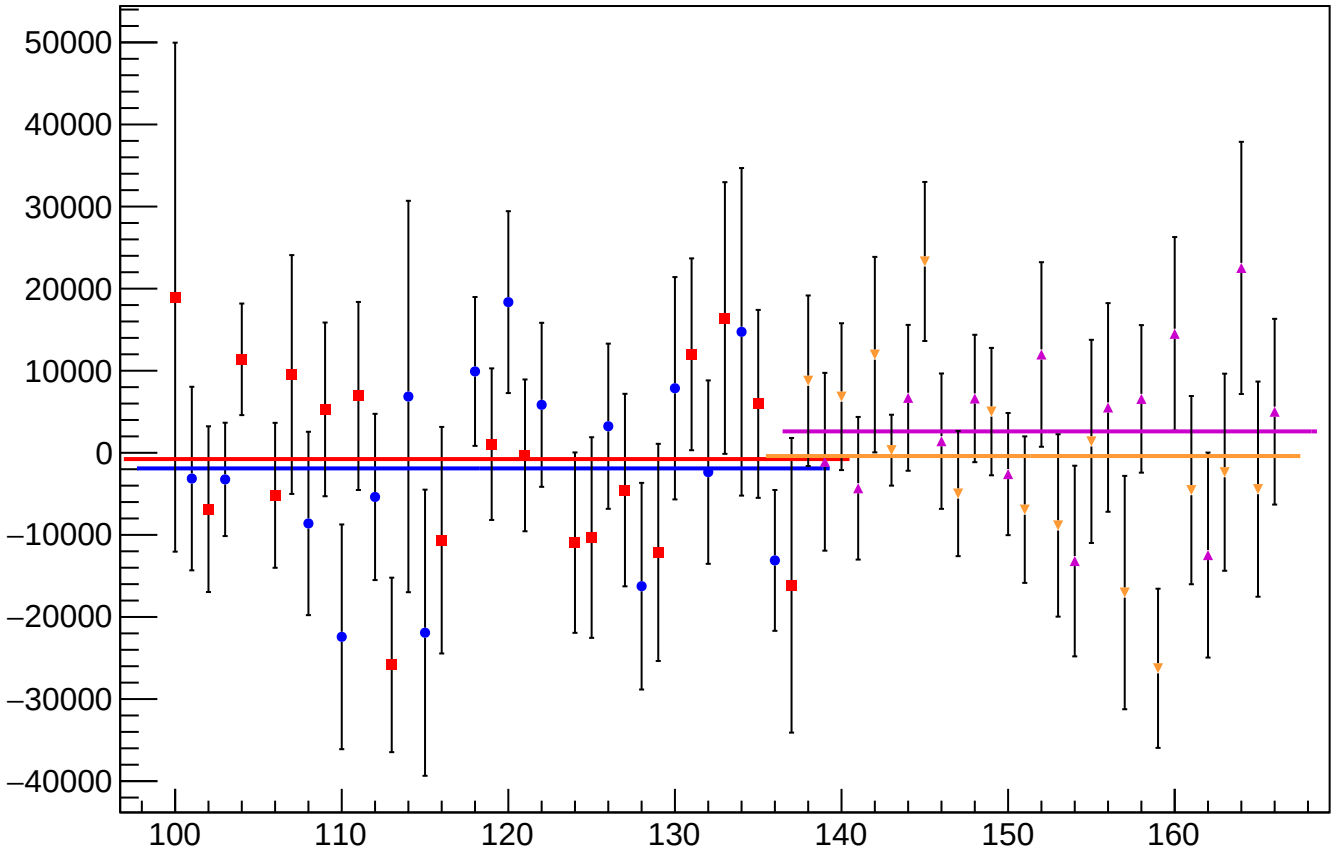
Left: 1845.245+/-0.271 χ^2/NDF: 363939.1/28

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1758.444+/-0.289 χ^2/NDF:547456.2/29

Out: 1770.464+/-0.290 χ^2/NDF:870698.1/33

All: 1764.441+/-0.205 χ^2/NDF: 1419016.4/63



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -395.183+/-2293.901 χ^2/NDF:19.2/14

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2608.623+/-2641.224 χ^2/NDF:8.7/13

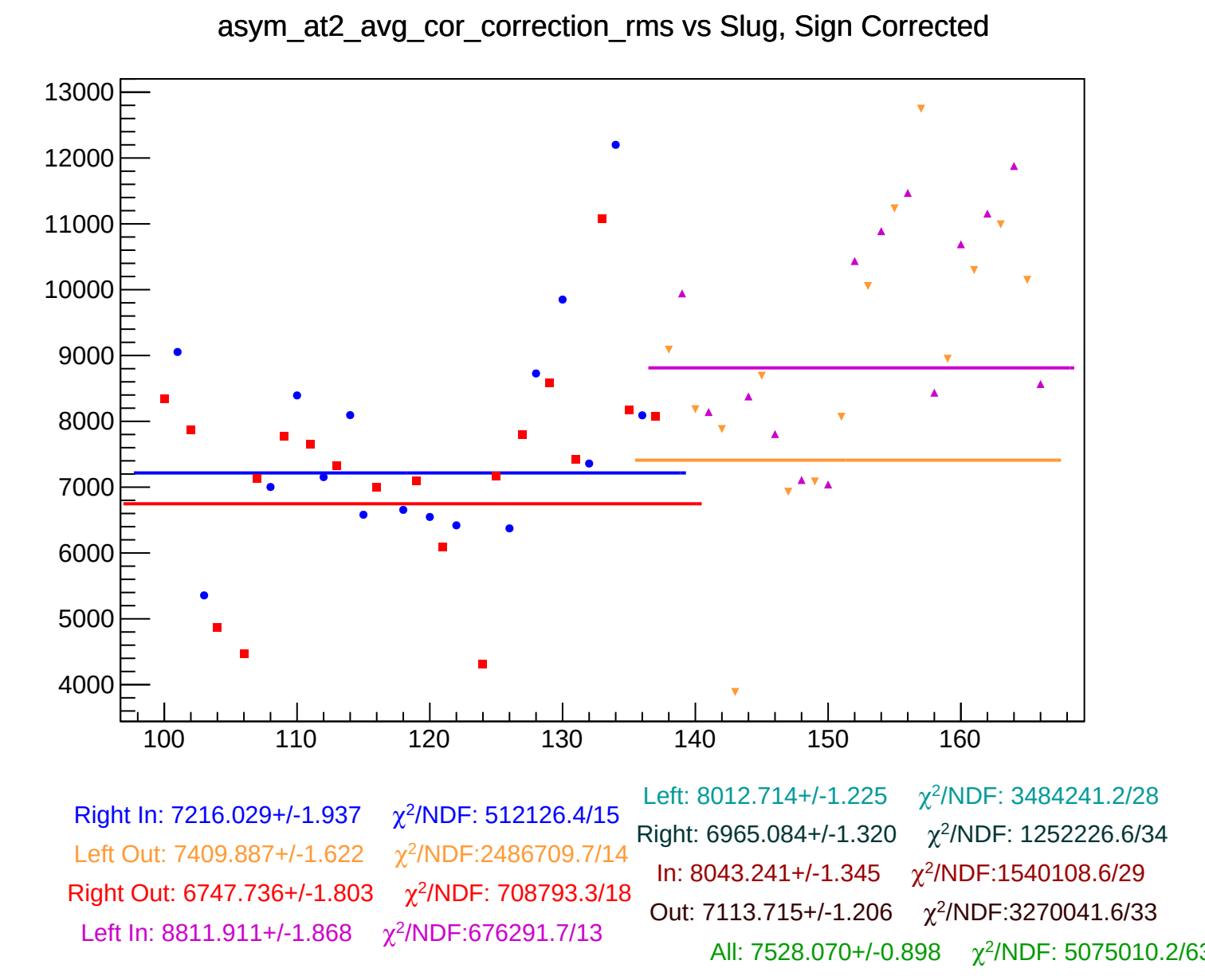
Left: 896.360+/-1731.904 χ^2/NDF: 28.7/28

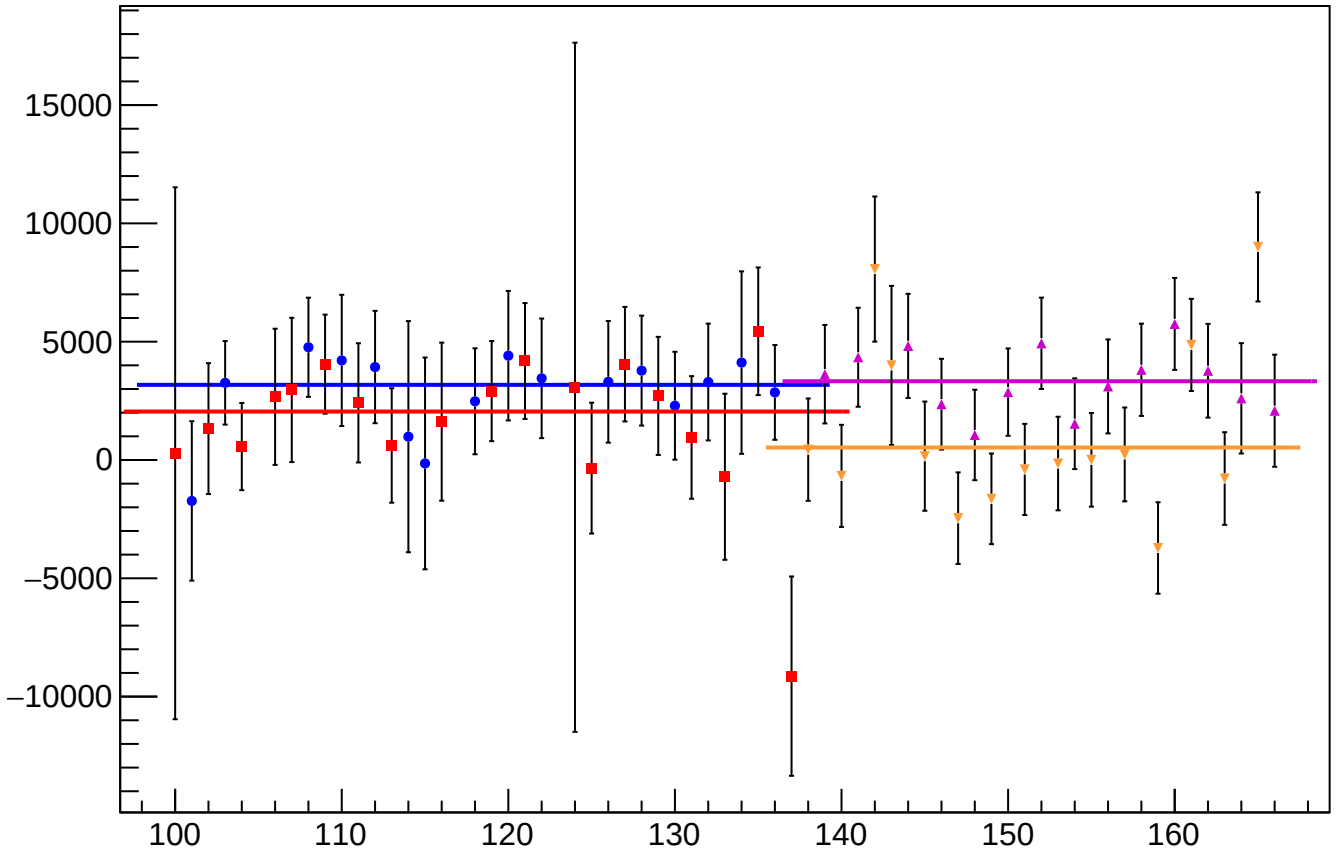
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 436.945+/-1901.573 χ^2/NDF:24.5/29

Out: -559.485+/-1705.392 χ^2/NDF:36.5/33

All: -115.306+/-1269.606 χ^2/NDF: 61.2/63


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
100
110
120
130
140
150
160
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7409.887+/-1.622 χ²/NDF:2486709.7/14
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8811.911+/-1.868 χ²/NDF:676291.7/13
Left: 8012.714+/-1.225 χ²/NDF: 3484241.2/28
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8043.241+/-1.345 χ²/NDF:1540108.6/29
Out: 7113.715+/-1.206 χ²/NDF:3270041.6/33
All: 7528.070+/-0.898 χ²/NDF: 5075010.2/63



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3328.647+/-538.817 χ^2/NDF:6.1/13

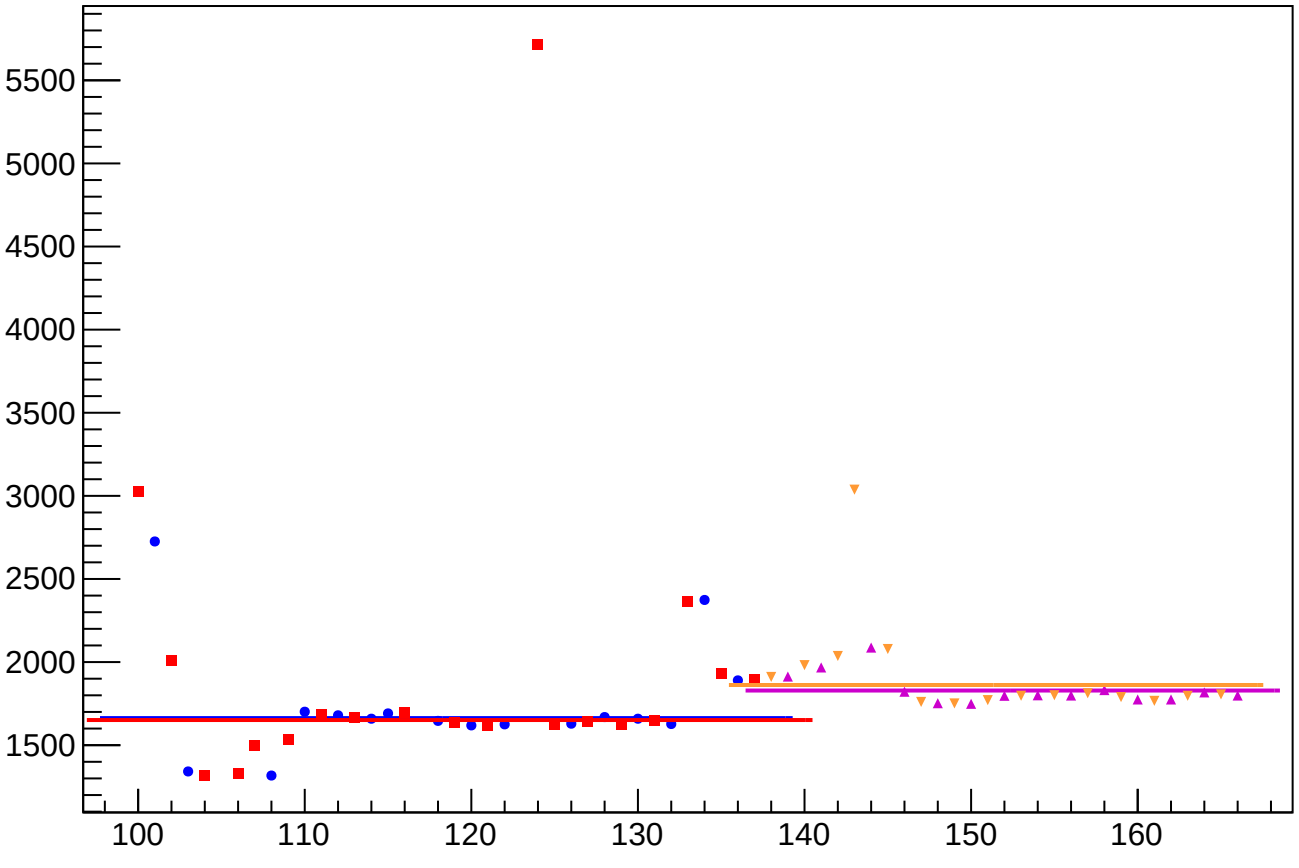
Left: 1944.587+/-383.182 χ^2/NDF: 54.7/28

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3263.790+/-408.927 χ^2/NDF:10.4/29

Out: 1188.669+/-409.782 χ^2/NDF:52.7/33

All: 2228.396+/-289.457 χ^2/NDF: 76.0/63



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1828.779+/-0.381 χ^2/NDF:51453.1/13

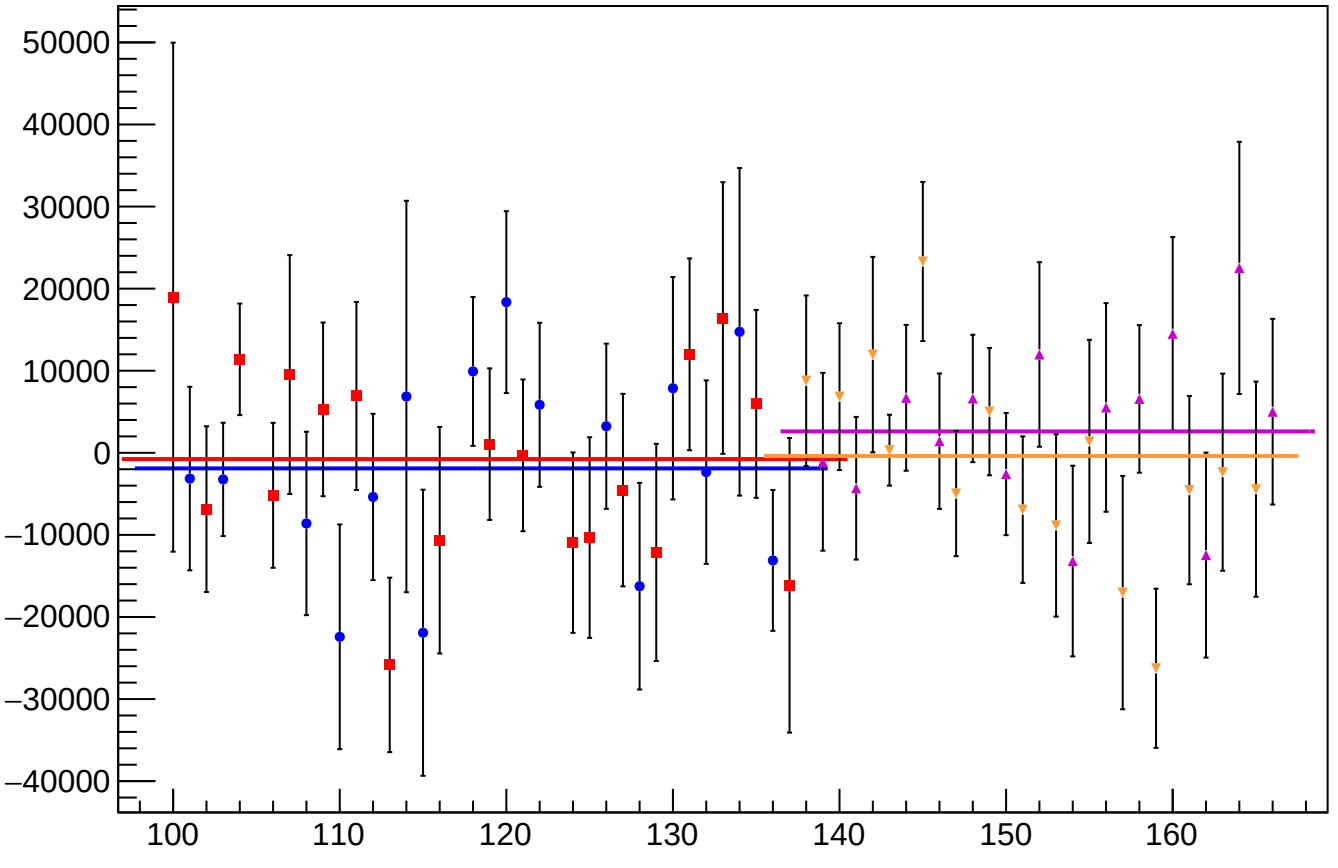
Left: 1845.245+/-0.271 χ^2/NDF: 363939.1/28

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1758.444+/-0.289 χ^2/NDF:547456.2/29

Out: 1770.464+/-0.290 χ^2/NDF:870698.1/33

All: 1764.441+/-0.205 χ^2/NDF: 1419016.4/63



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -395.183+/-2293.901 χ^2/NDF:19.2/14

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2608.623+/-2641.224 χ^2/NDF:8.7/13

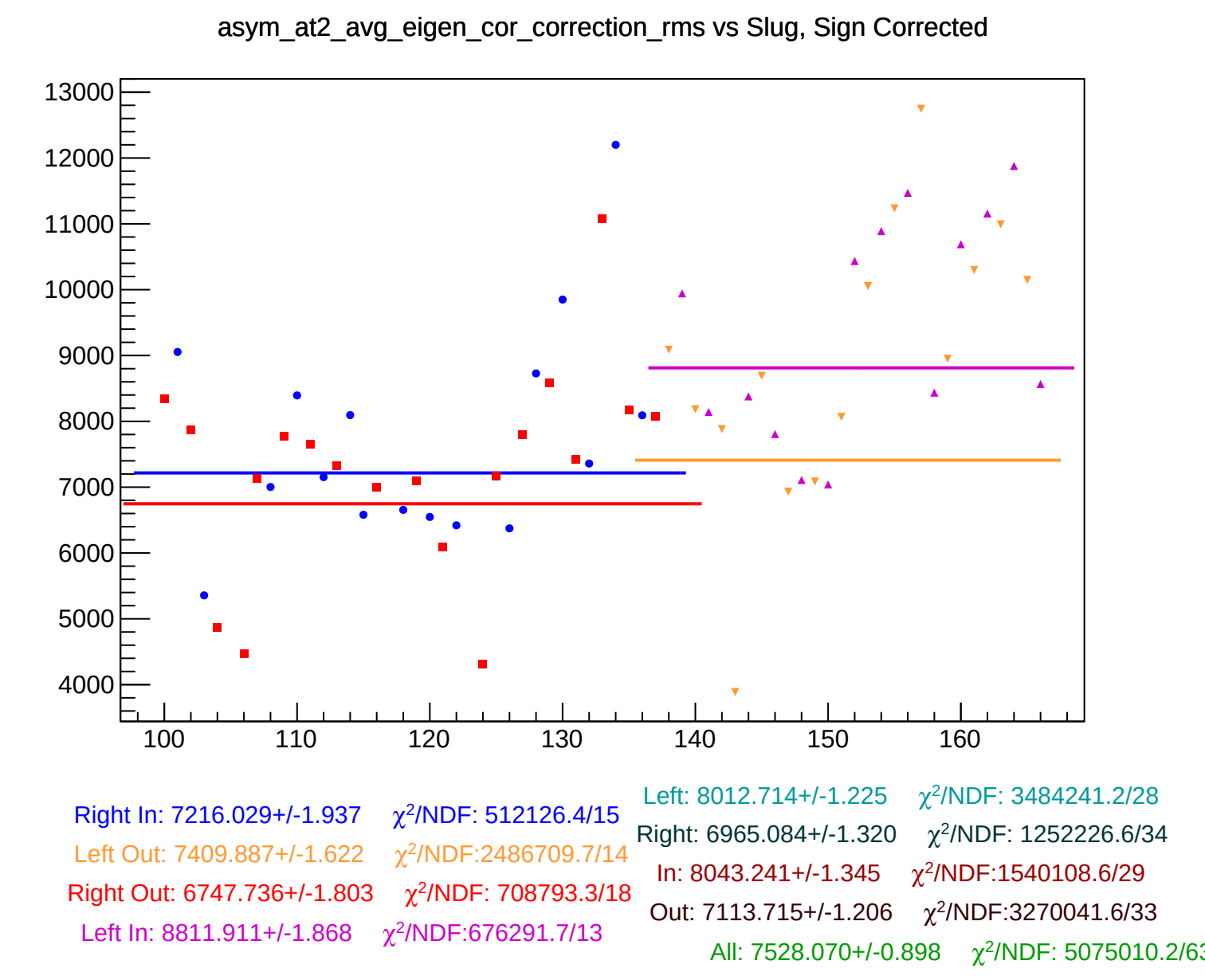
Left: 896.360+/-1731.904 χ^2/NDF: 28.7/28

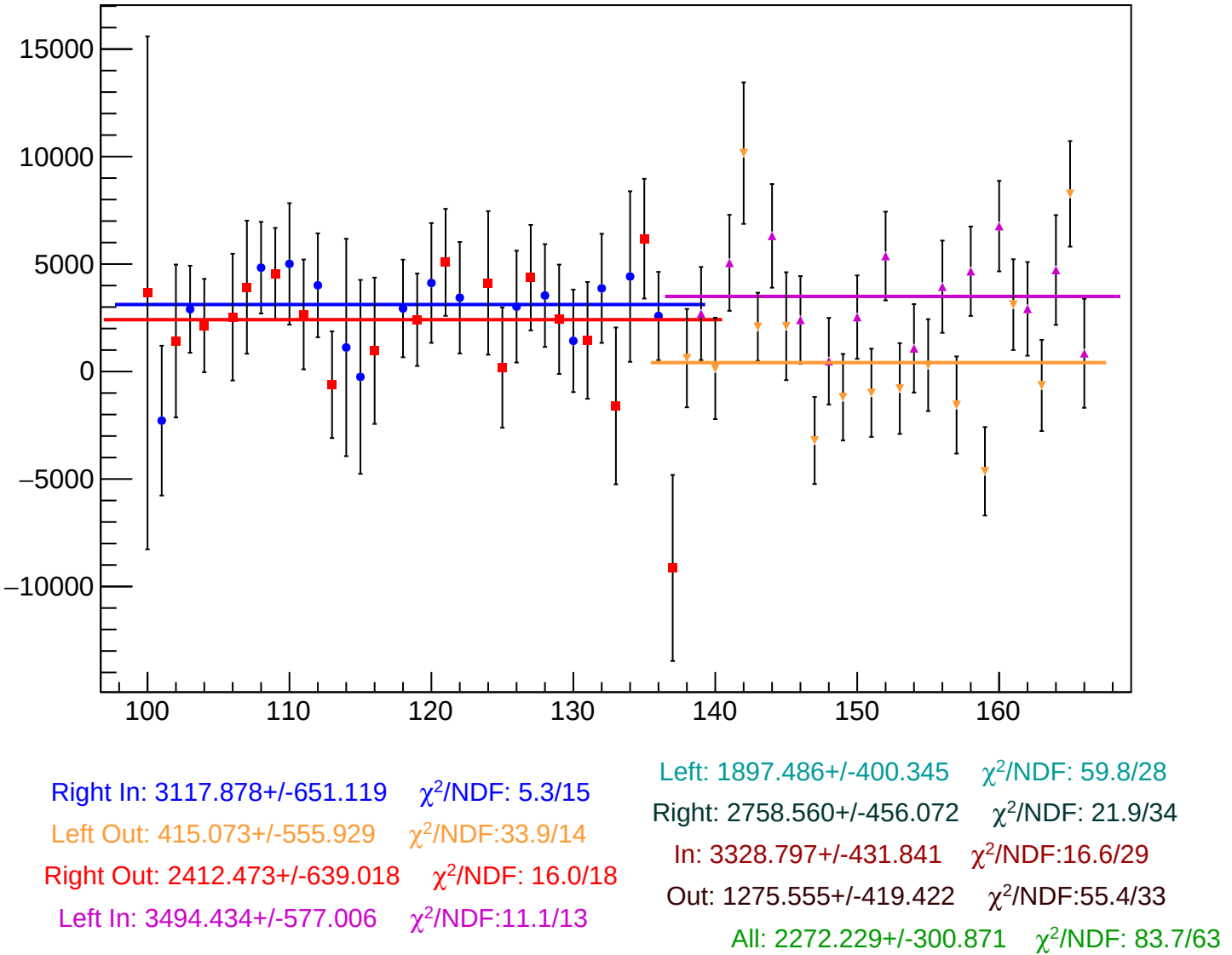
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 436.945+/-1901.573 χ^2/NDF:24.5/29

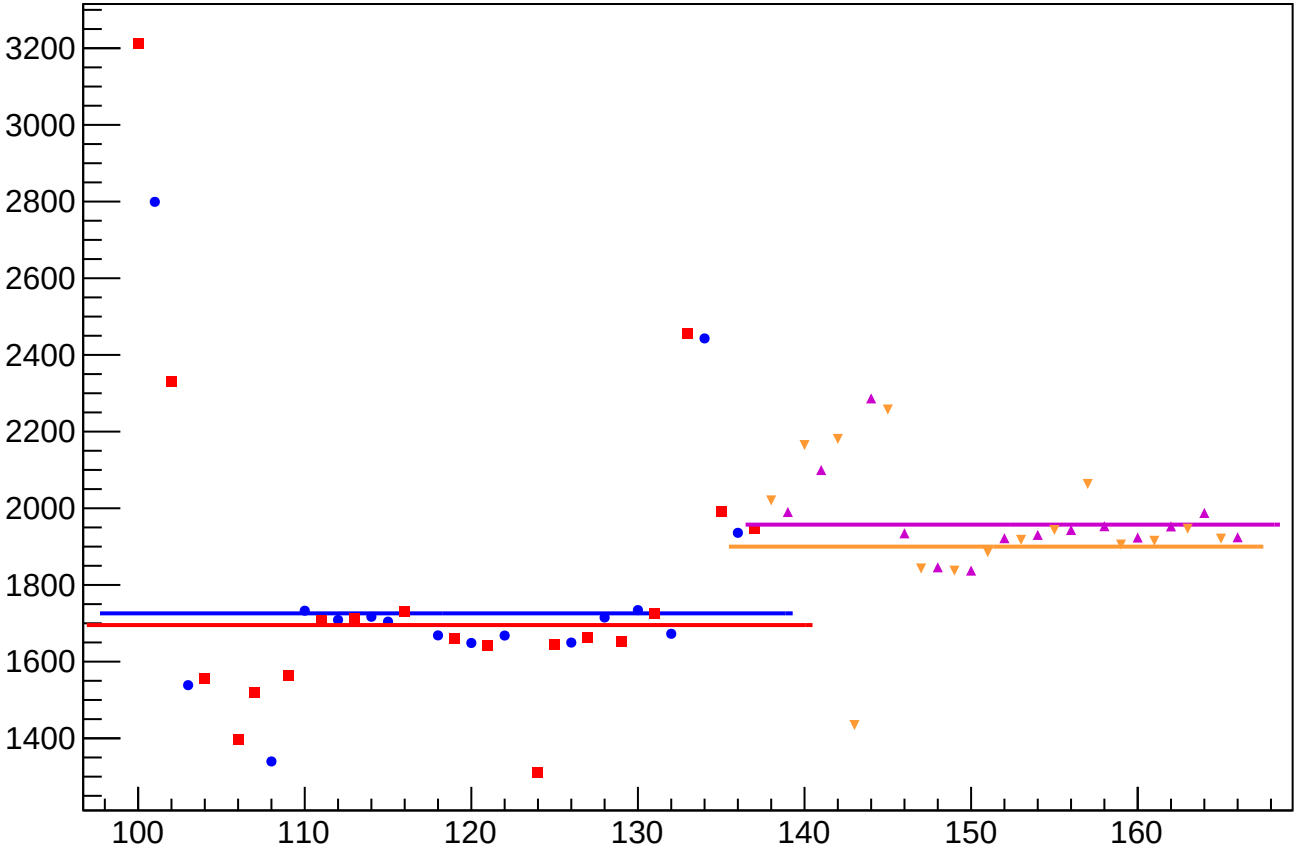
Out: -559.485+/-1705.392 χ^2/NDF:36.5/33

All: -115.306+/-1269.606 χ^2/NDF: 61.2/63


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
100
110
120
130
140
150
160
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7409.887+/-1.622 χ²/NDF:2486709.7/14
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8811.911+/-1.868 χ²/NDF:676291.7/13
Left: 8012.714+/-1.225 χ²/NDF: 3484241.2/28
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8043.241+/-1.345 χ²/NDF:1540108.6/29
Out: 7113.715+/-1.206 χ²/NDF:3270041.6/33
All: 7528.070+/-0.898 χ²/NDF: 5075010.2/63


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 3117.878+/-651.119 χ²/NDF: 5.3/15
Left Out: 415.073+/-555.929 χ²/NDF:33.9/14
Right Out: 2412.473+/-639.018 χ²/NDF: 16.0/18
Left In: 3494.434+/-577.006 χ²/NDF:11.1/13
Left: 1897.486+/-400.345 χ²/NDF: 59.8/28
Right: 2758.560+/-456.072 χ²/NDF: 21.9/34
In: 3328.797+/-431.841 χ²/NDF:16.6/29
Out: 1275.555+/-419.422 χ²/NDF:55.4/33
All: 2272.229+/-300.871 χ²/NDF: 83.7/63

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1899.938+/-0.393 χ^2/NDF:273998.6/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1957.345+/-0.408 χ^2/NDF:62073.8/13

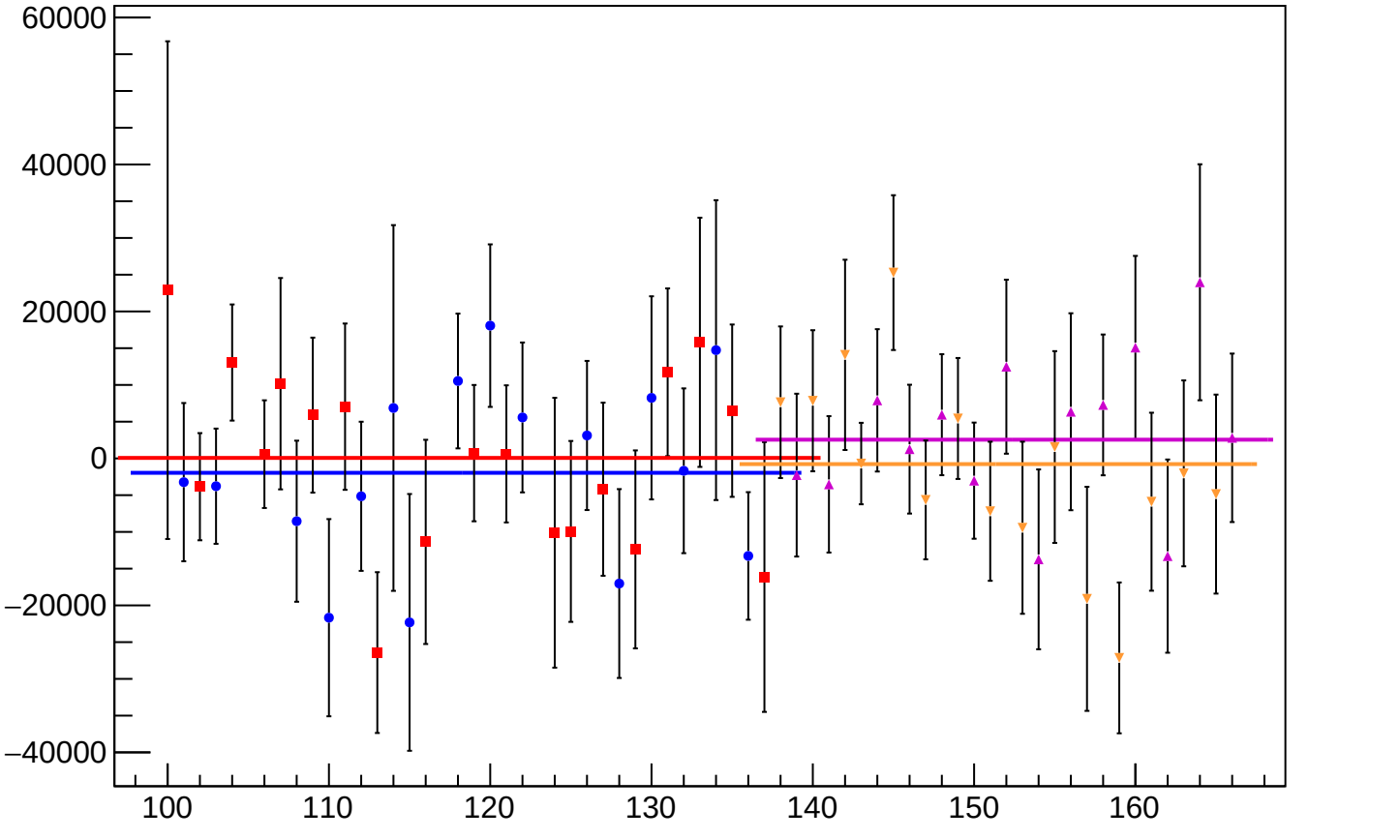
Left: 1927.574+/-0.283 χ^2/NDF: 346339.1/28

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

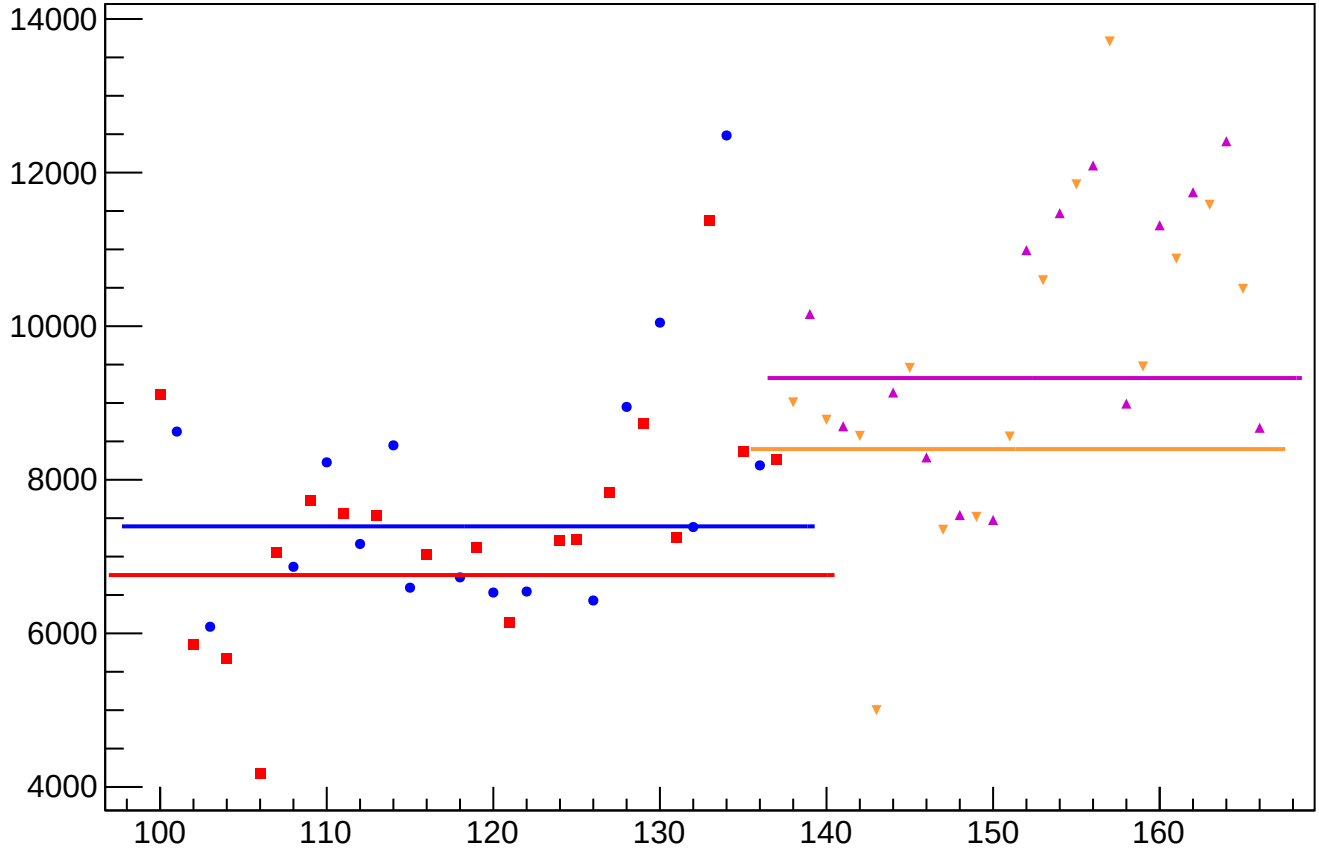
In: 1855.543+/-0.305 χ^2/NDF:569243.8/29

Out: 1811.780+/-0.297 χ^2/NDF:676316.1/33

All: 1833.020+/-0.213 χ^2/NDF: 1256131.3/63


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: -772.166+/-2544.349 χ²/NDF:19.2/14
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 2549.194+/-2793.129 χ²/NDF:8.7/13
Left: 734.041+/-1880.942 χ²/NDF: 28.6/28
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: 299.493+/-1976.869 χ²/NDF:24.3/29
Out: -349.550+/-1793.863 χ²/NDF:35.4/33
All: -56.455+/-1328.451 χ²/NDF: 59.8/63

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8399.734+/-1.799 χ^2/NDF:1572175.9/14

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9324.867+/-1.975 χ^2/NDF:639898.2/13

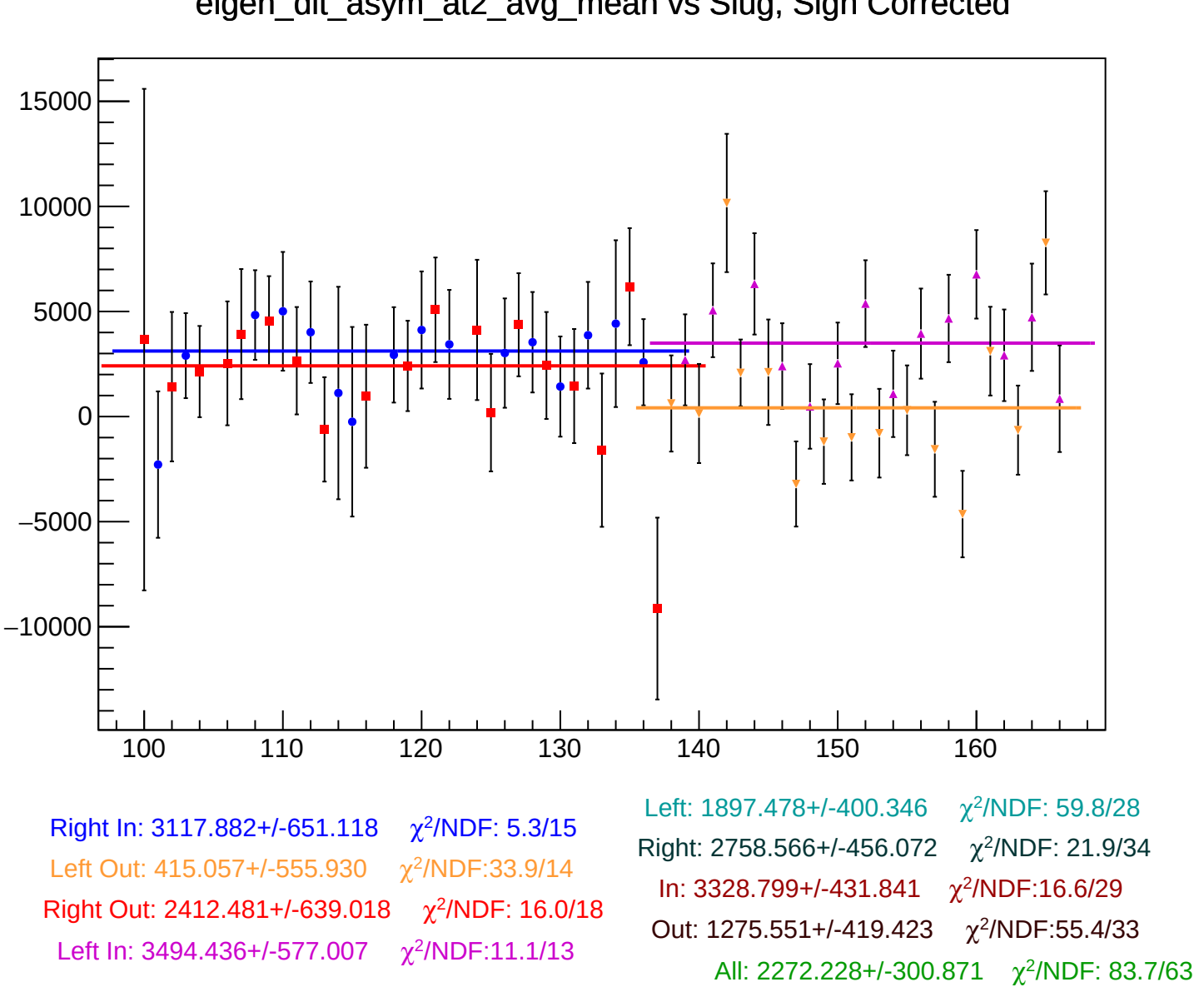
Left: 8819.274+/-1.330 χ^2/NDF: 2331983.6/28

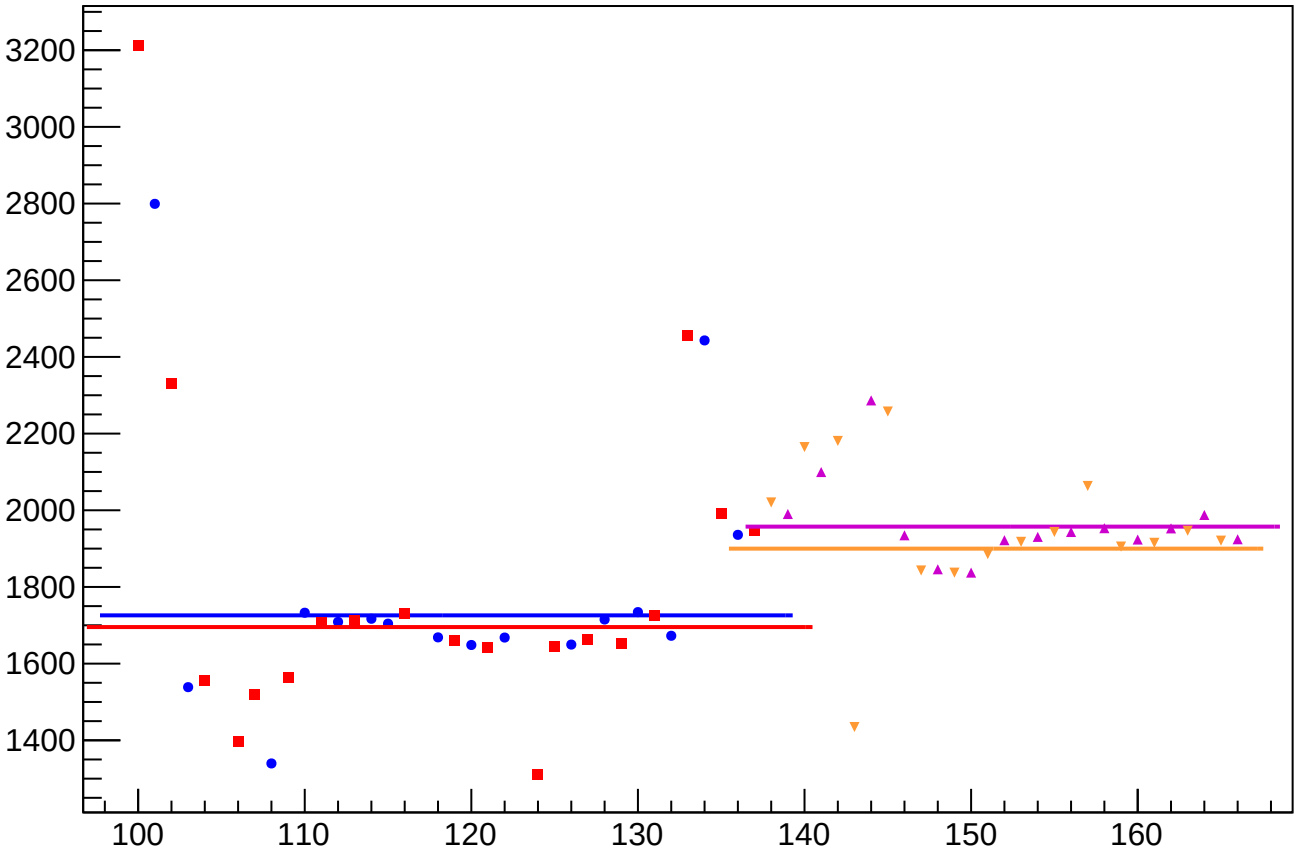
Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8361.034+/-1.398 χ^2/NDF:1518910.4/29

Out: 7574.789+/-1.268 χ^2/NDF:2634515.1/33

All: 7929.842+/-0.939 χ^2/NDF: 4326926.7/63


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 415.057+/-555.930 χ²/NDF:33.9/14
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 3494.436+/-577.007 χ²/NDF:11.1/13
Left: 1897.478+/-400.346 χ²/NDF: 59.8/28
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3328.799+/-431.841 χ²/NDF:16.6/29
Out: 1275.551+/-419.423 χ²/NDF:55.4/33
All: 2272.228+/-300.871 χ²/NDF: 83.7/63



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1899.942+/-0.393 χ^2/NDF:273999.9/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1957.349+/-0.408 χ^2/NDF:62074.2/13

Left: 1927.578+/-0.283 χ^2/NDF: 346340.8/28

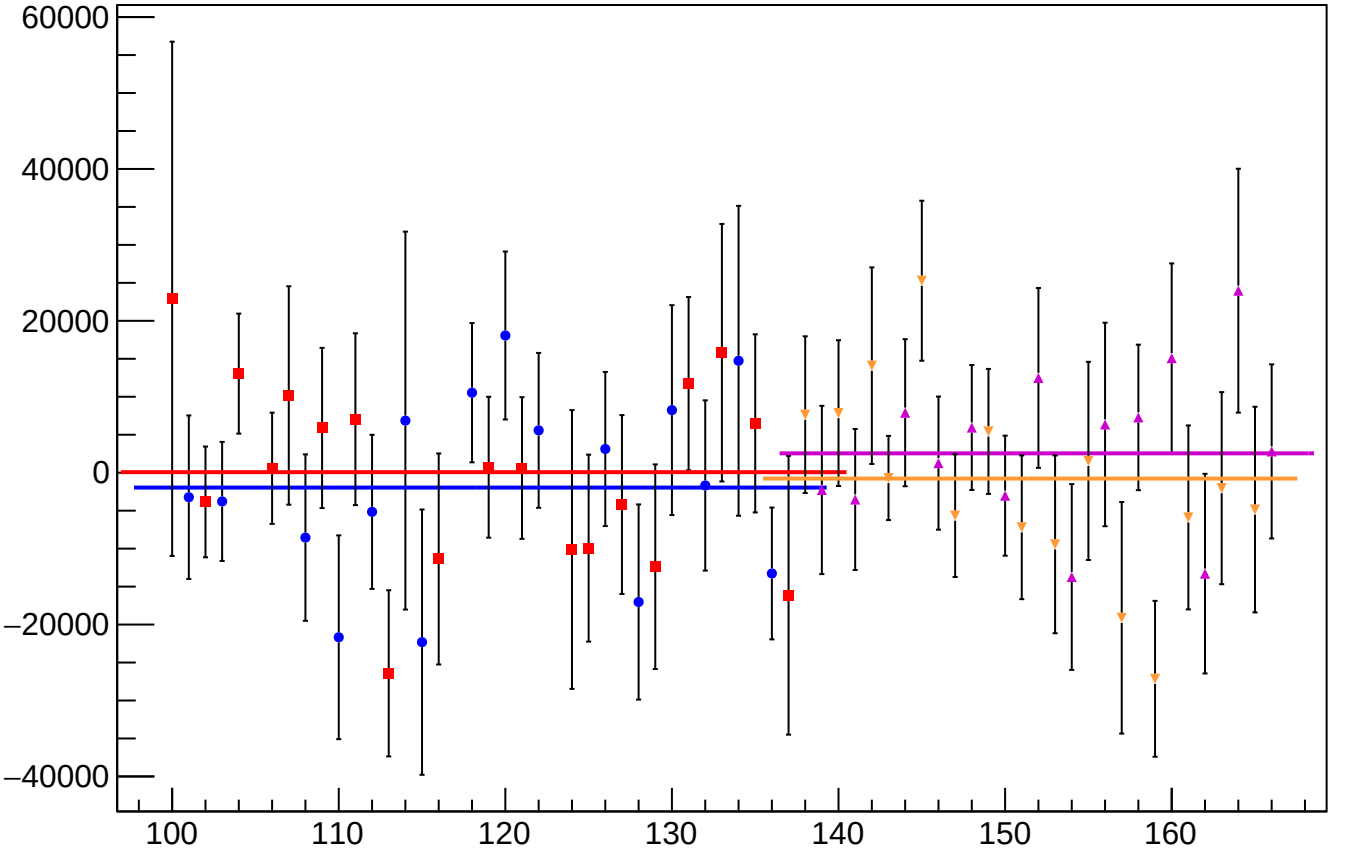
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1855.545+/-0.305 χ^2/NDF:569249.2/29

Out: 1811.782+/-0.297 χ^2/NDF:676322.0/33

All: 1833.022+/-0.213 χ^2/NDF: 1256142.4/63

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -772.177+/-2544.353 χ^2/NDF:19.2/14

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2549.192+/-2793.133 χ^2/NDF:8.7/13

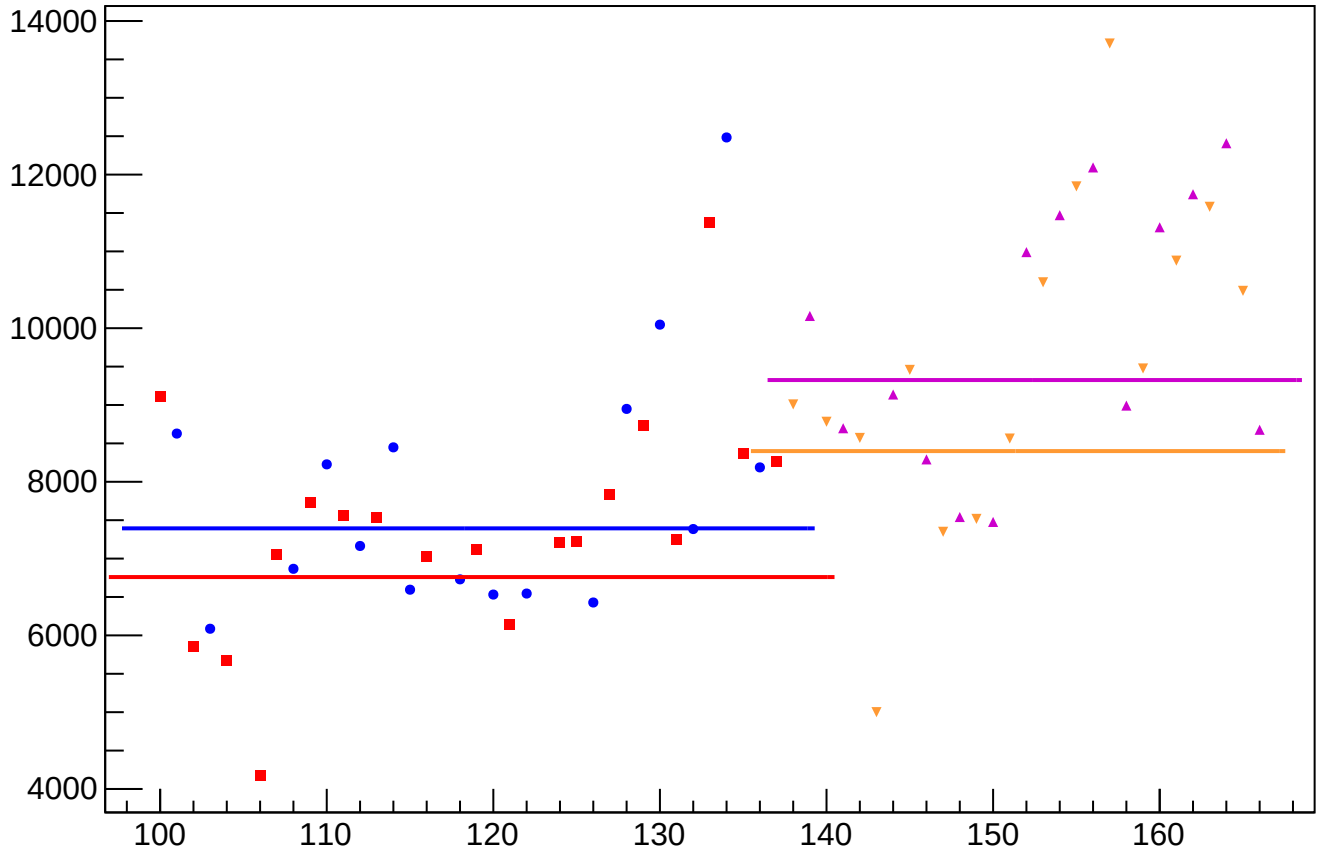
Left: 734.035+/-1880.945 χ^2/NDF: 28.6/28

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: 299.494+/-1976.868 χ^2/NDF:24.3/29

Out: -349.550+/-1793.863 χ^2/NDF:35.4/33

All: -56.454+/-1328.451 χ^2/NDF: 59.8/63



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8399.747+/-1.799 χ^2/NDF:1572176.6/14

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9324.880+/-1.975 χ^2/NDF:639899.6/13

Left: 8819.287+/-1.330 χ^2/NDF: 2331985.5/28

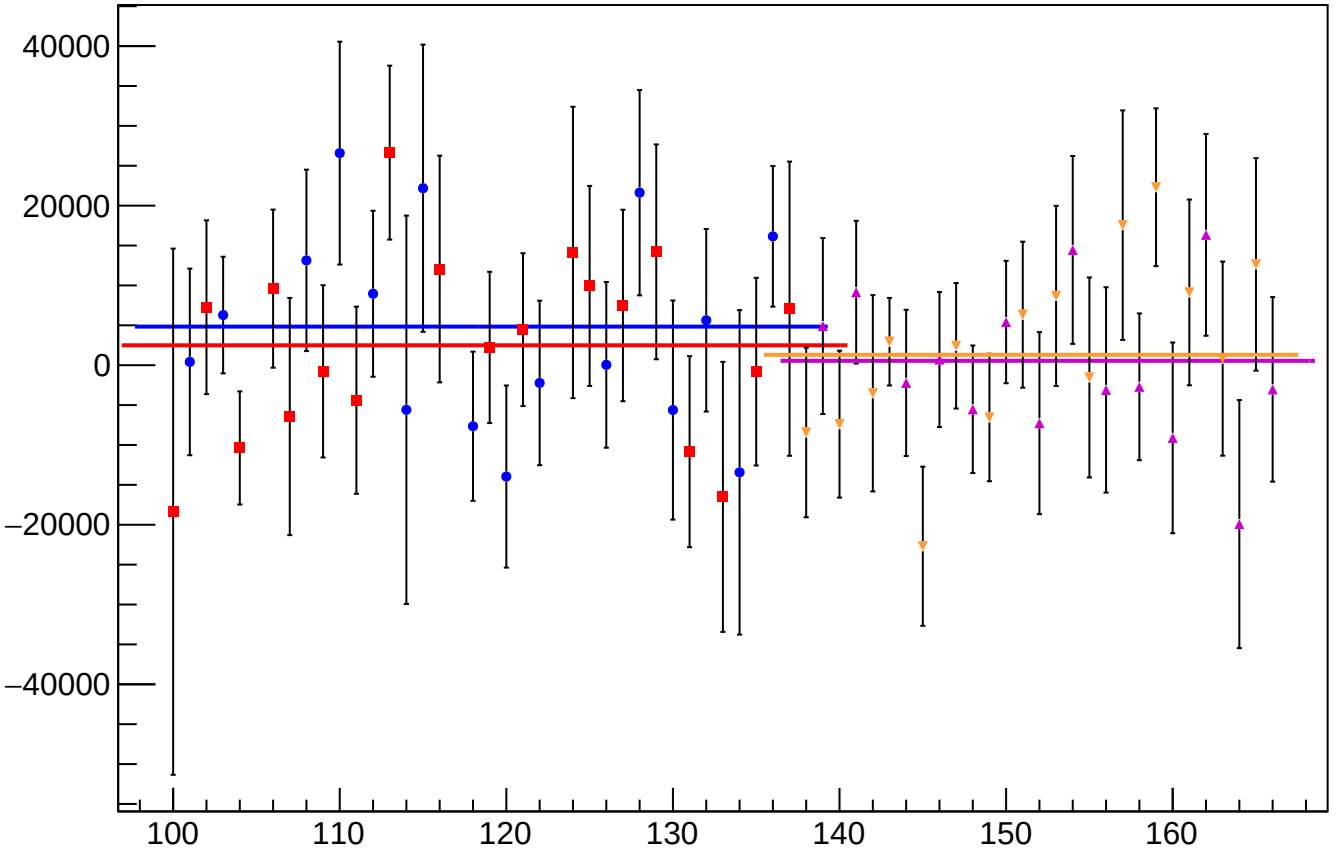
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8361.028+/-1.398 χ^2/NDF:1518929.8/29

Out: 7574.785+/-1.268 χ^2/NDF:2634528.8/33

All: 7929.837+/-0.939 χ^2/NDF: 4326959.1/63

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1300.426+/-2475.116 χ^2/NDF:16.5/14

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 547.886+/-2703.644 χ^2/NDF:8.3/13

Left: 957.299+/-1825.626 χ^2/NDF: 24.8/28

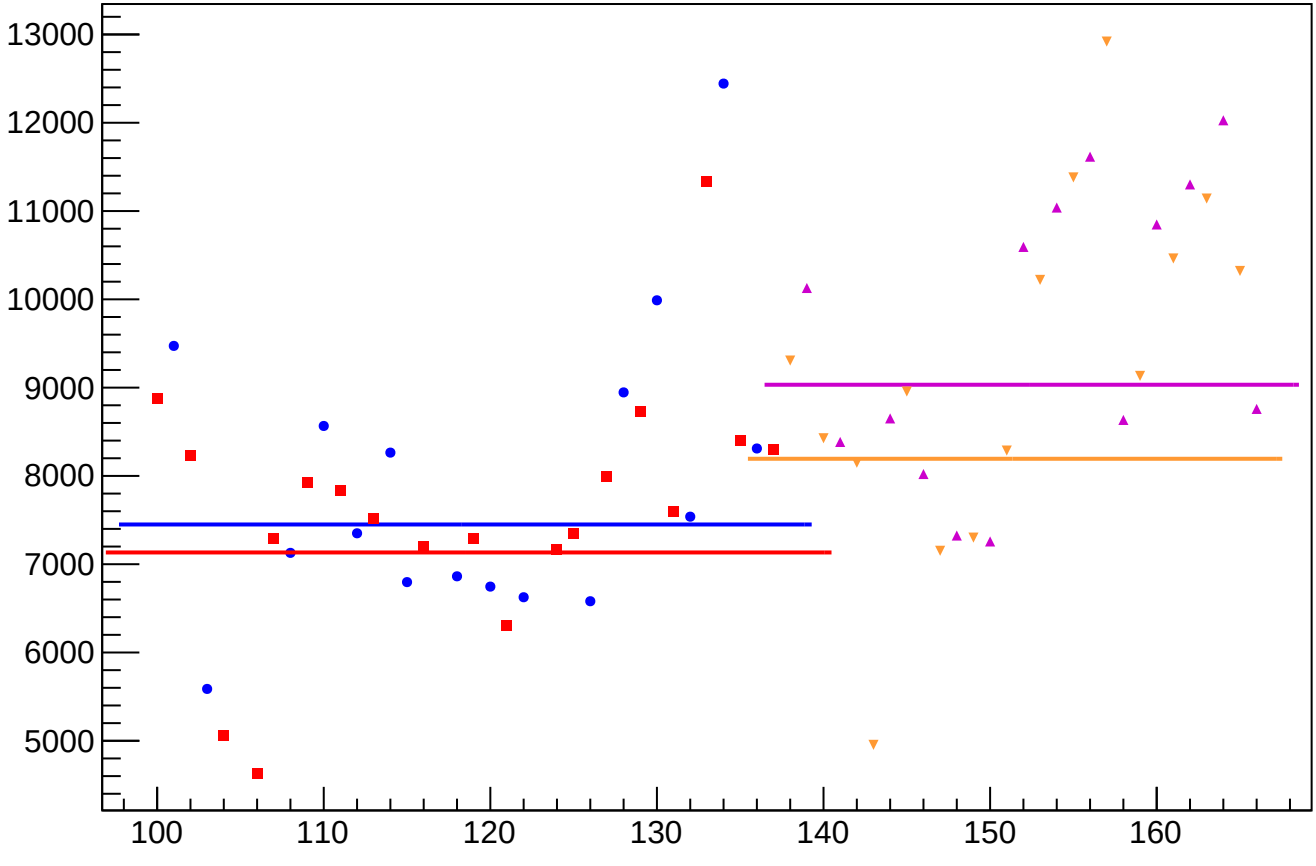
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2595.766+/-1954.552 χ^2/NDF:23.8/29

Out: 1847.269+/-1823.122 χ^2/NDF:31.5/33

All: 2195.508+/-1333.186 χ^2/NDF: 55.4/63

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8194.227+/-1.750 χ^2/NDF:1463318.0/14

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9032.613+/-1.912 χ^2/NDF:626228.3/13

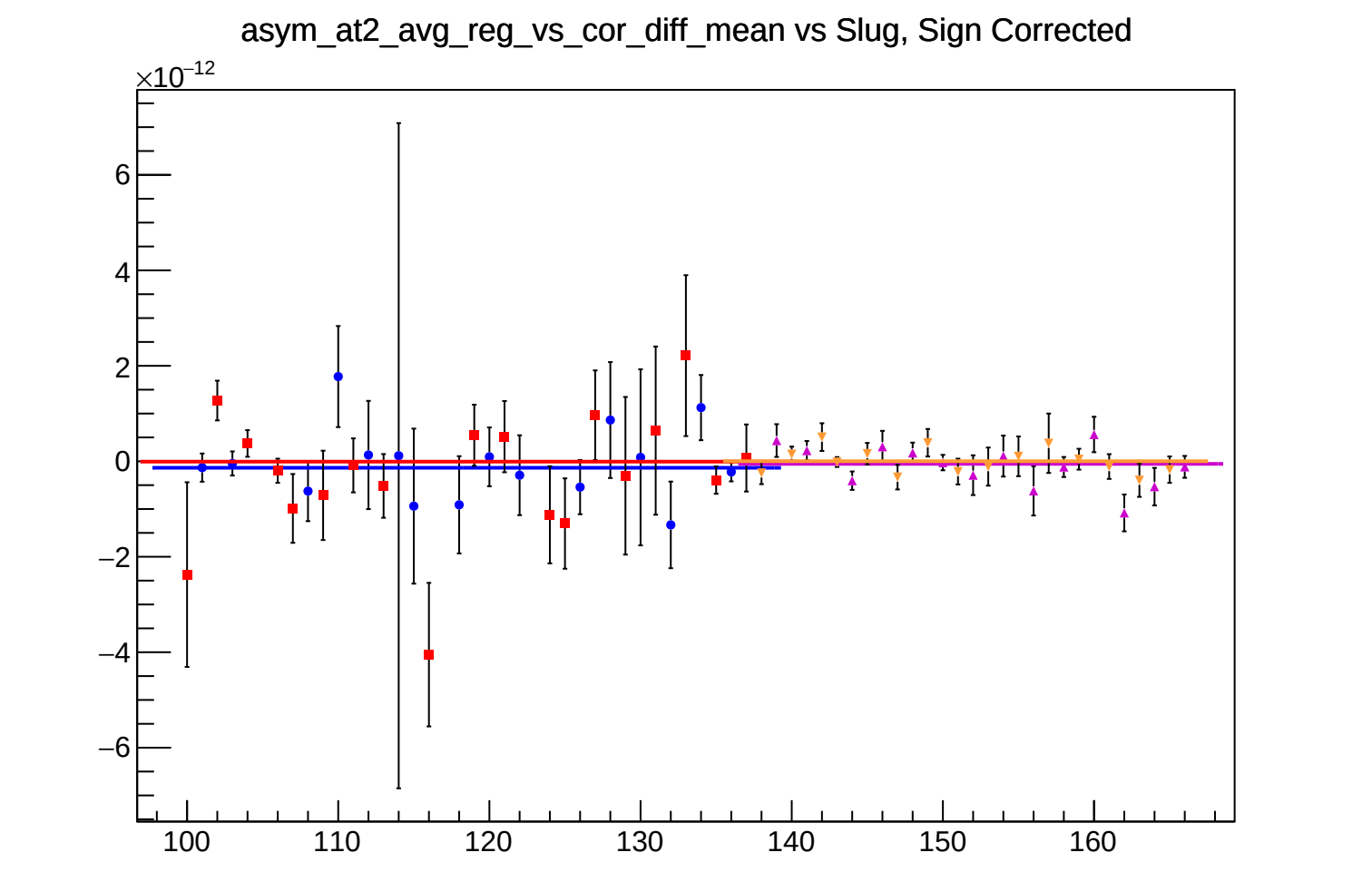
Left: 8576.496+/-1.291 χ^2/NDF: 2194175.2/28

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8277.110+/-1.382 χ^2/NDF:1439805.6/29

Out: 7708.785+/-1.289 χ^2/NDF:2188476.8/33

All: 7973.191+/-0.943 χ^2/NDF: 3718708.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:22.7/13

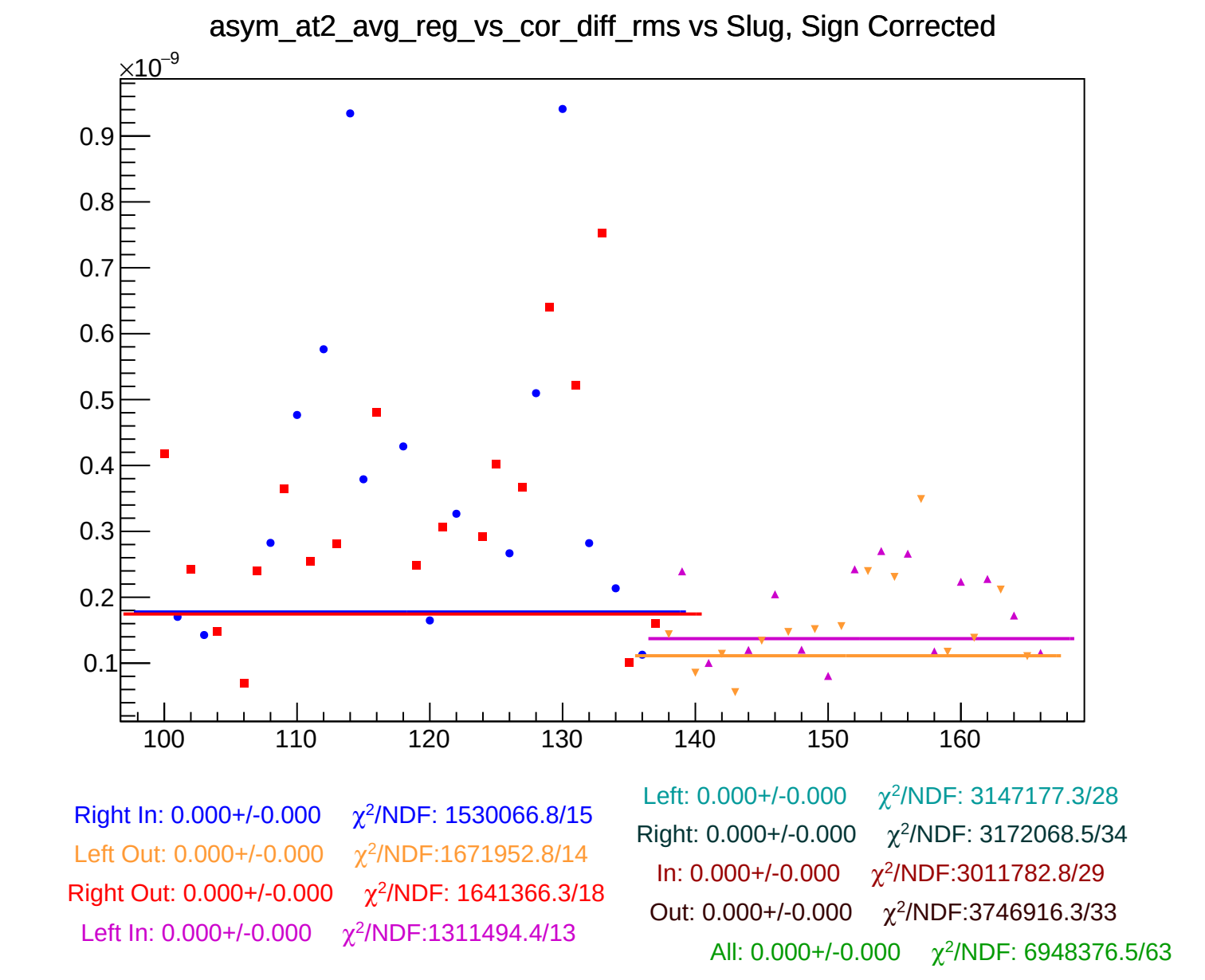
Left: -0.000+/-0.000 χ^2/NDF: 35.2/28

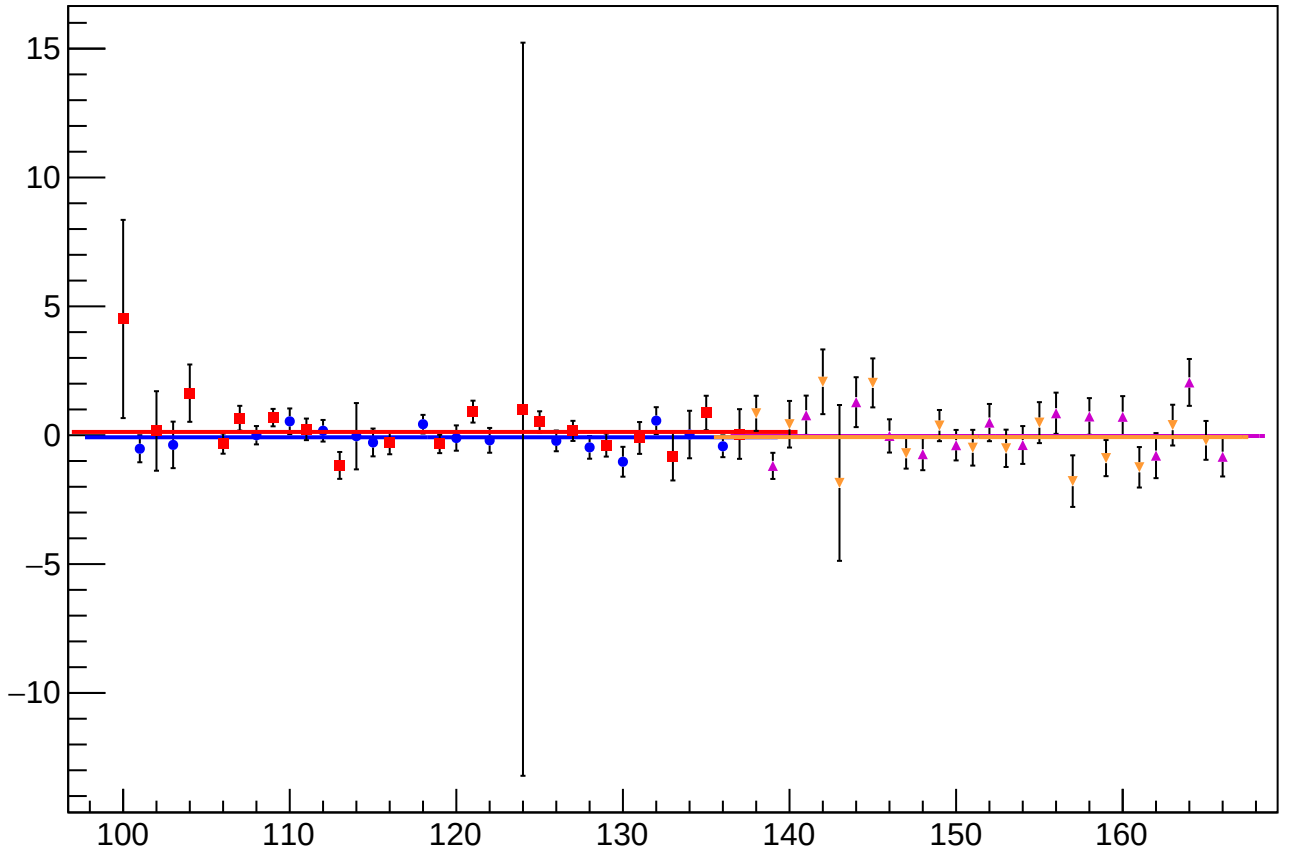
Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:34.6/29

Out: -0.000+/-0.000 χ^2/NDF:44.8/33

All: -0.000+/-0.000 χ^2/NDF: 80.3/63


asym_at2_avg_reg_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1671952.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1311494.4/13
Left: 0.000+/-0.000 χ²/NDF: 3147177.3/28
Right: 0.000+/-0.000 χ²/NDF: 3172068.5/34
In: 0.000+/-0.000 χ²/NDF:3011782.8/29
Out: 0.000+/-0.000 χ²/NDF:3746916.3/33
All: 0.000+/-0.000 χ²/NDF: 6948376.5/63



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

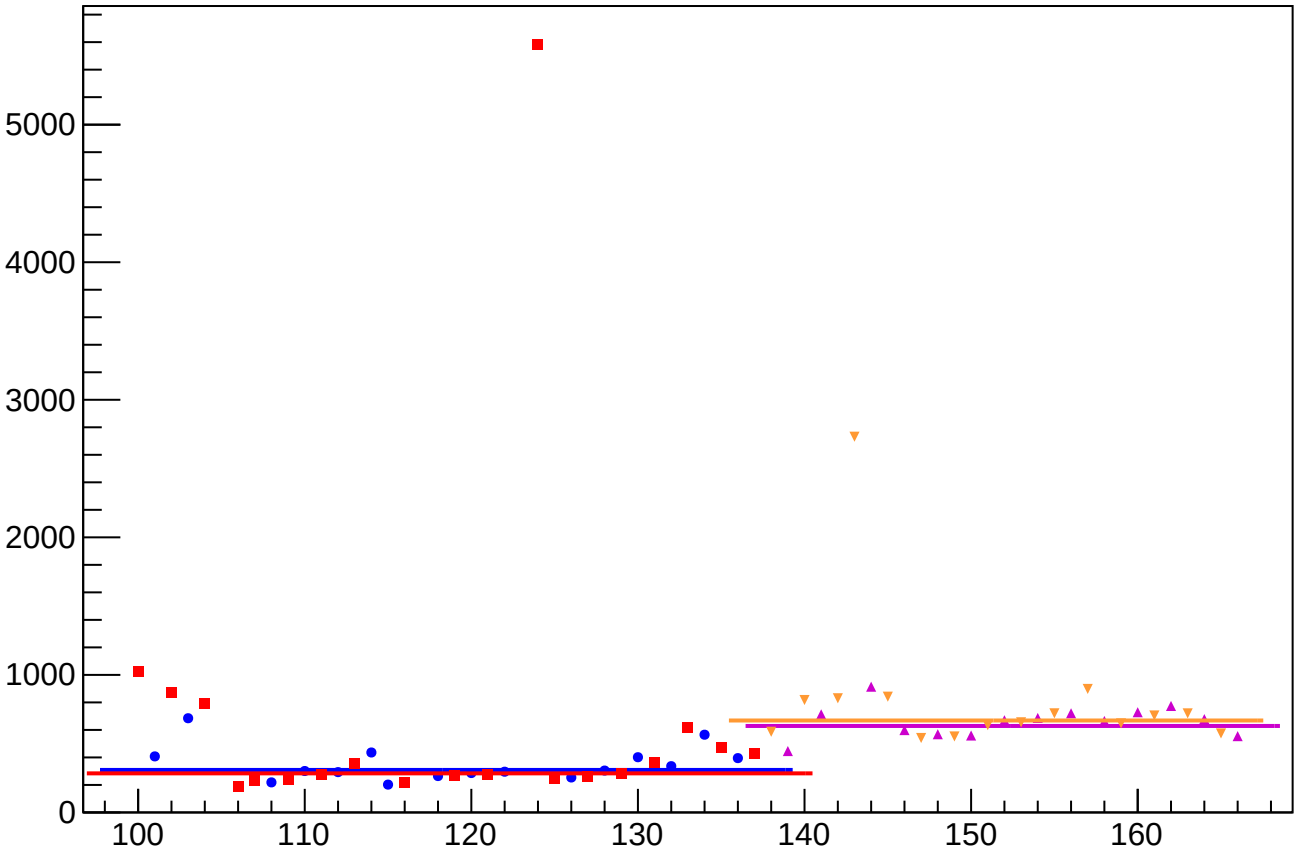
Left: -0.050+/-0.139 χ^2/NDF: 40.9/28

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.007+/-0.072 χ^2/NDF: 78.7/63



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 668.520+/-0.143 χ^2/NDF:1443226.4/14

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 628.810+/-0.135 χ^2/NDF:669990.6/13

Left: 647.421+/-0.098 χ^2/NDF: 2154033.8/28

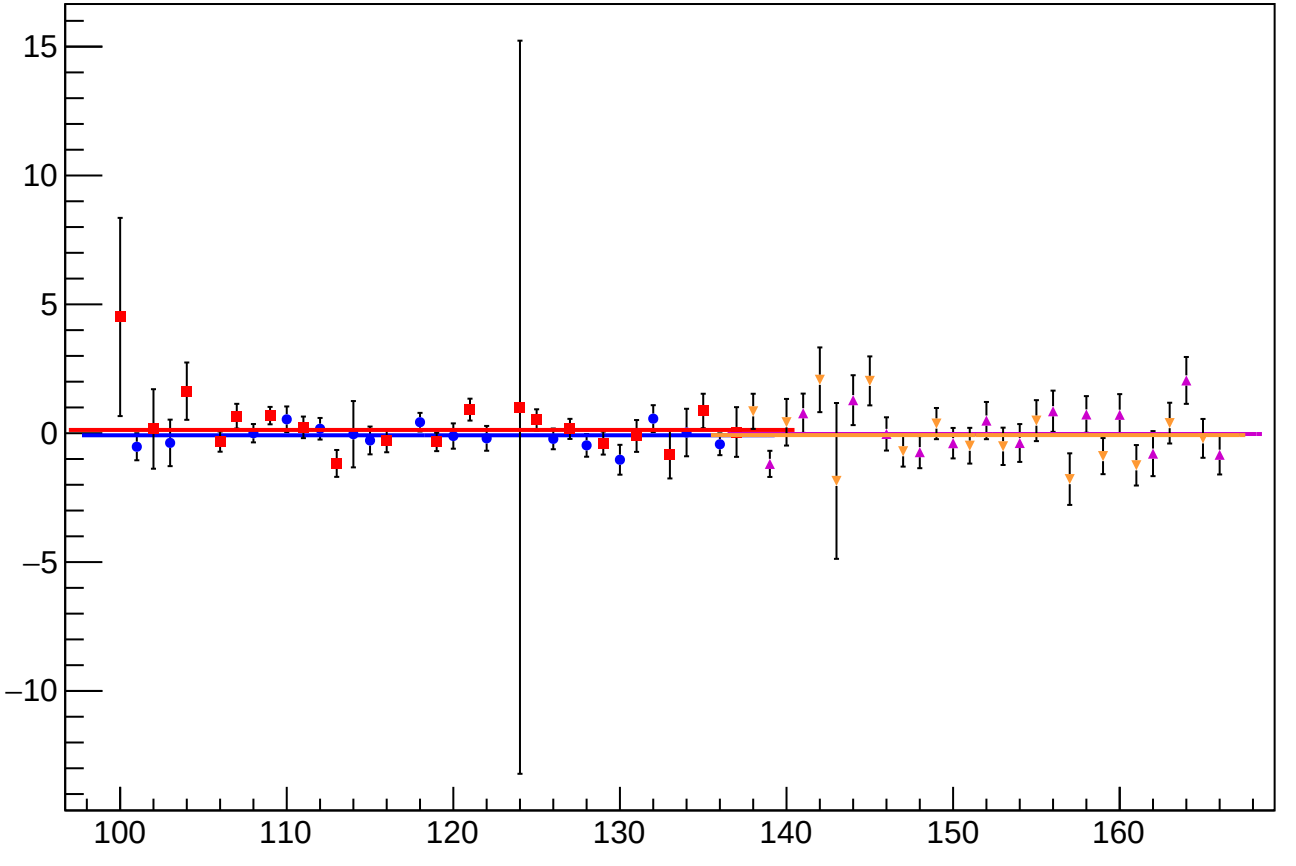
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.080+/-0.073 χ^2/NDF:5688197.9/29

Out: 380.185+/-0.072 χ^2/NDF:8698278.9/33

All: 390.986+/-0.051 χ^2/NDF: 14432604.4/63

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

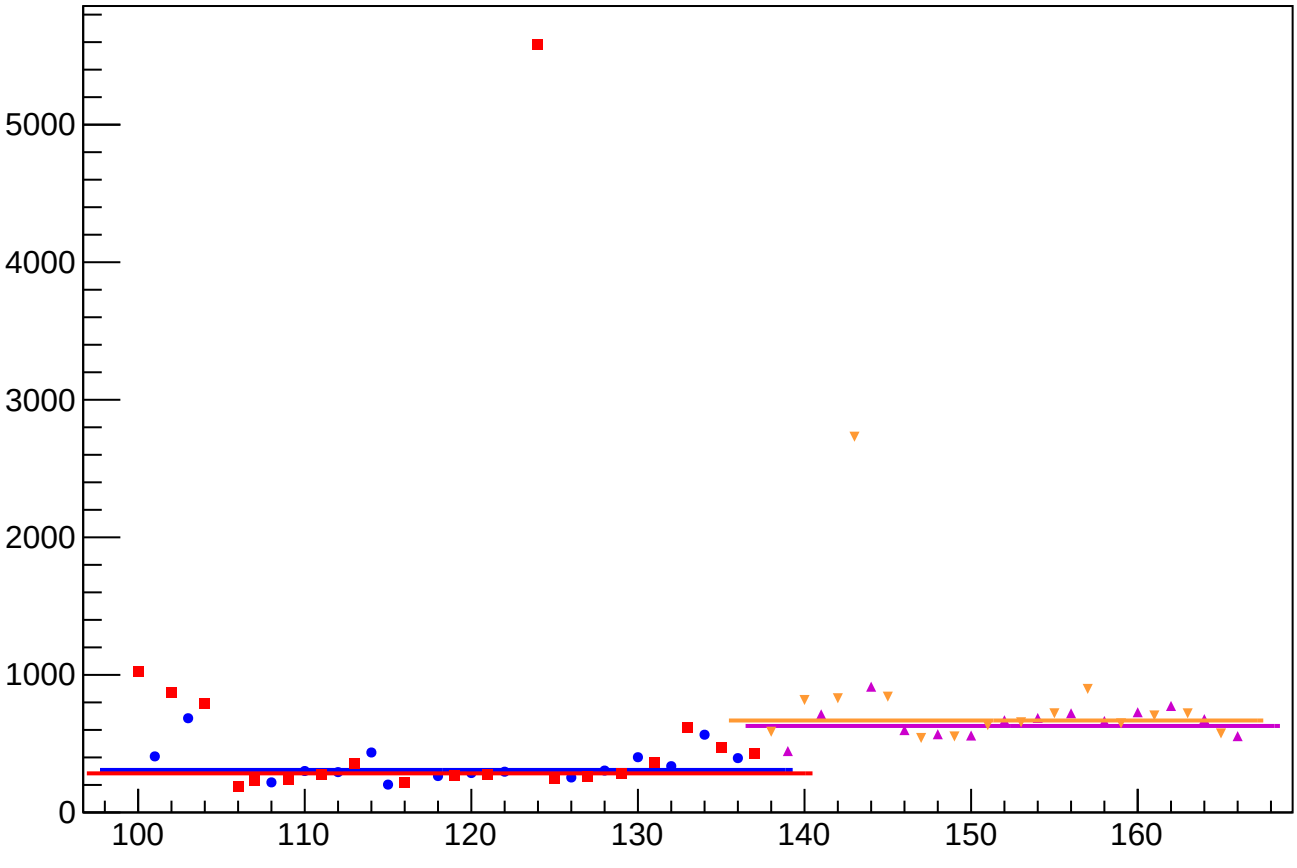
Left: -0.050+/-0.139 χ^2/NDF: 40.9/28

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.007+/-0.072 χ^2/NDF: 78.7/63



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 668.520+/-0.143 χ^2/NDF:1443226.4/14

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 628.810+/-0.135 χ^2/NDF:669990.6/13

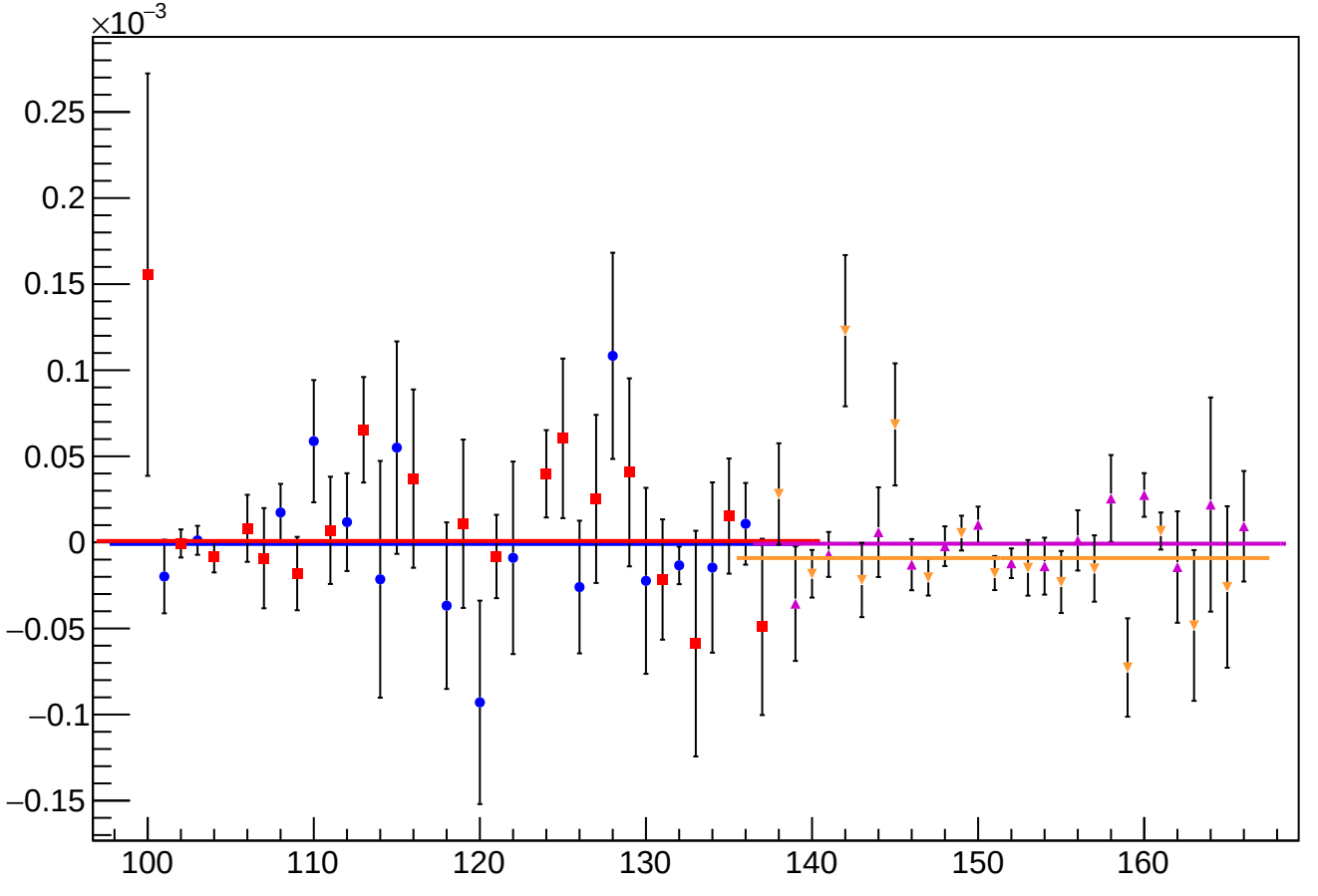
Left: 647.421+/-0.098 χ^2/NDF: 2154033.8/28

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.080+/-0.073 χ^2/NDF:5688197.9/29

Out: 380.185+/-0.072 χ^2/NDF:8698278.9/33

All: 390.986+/-0.051 χ^2/NDF: 14432604.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/13

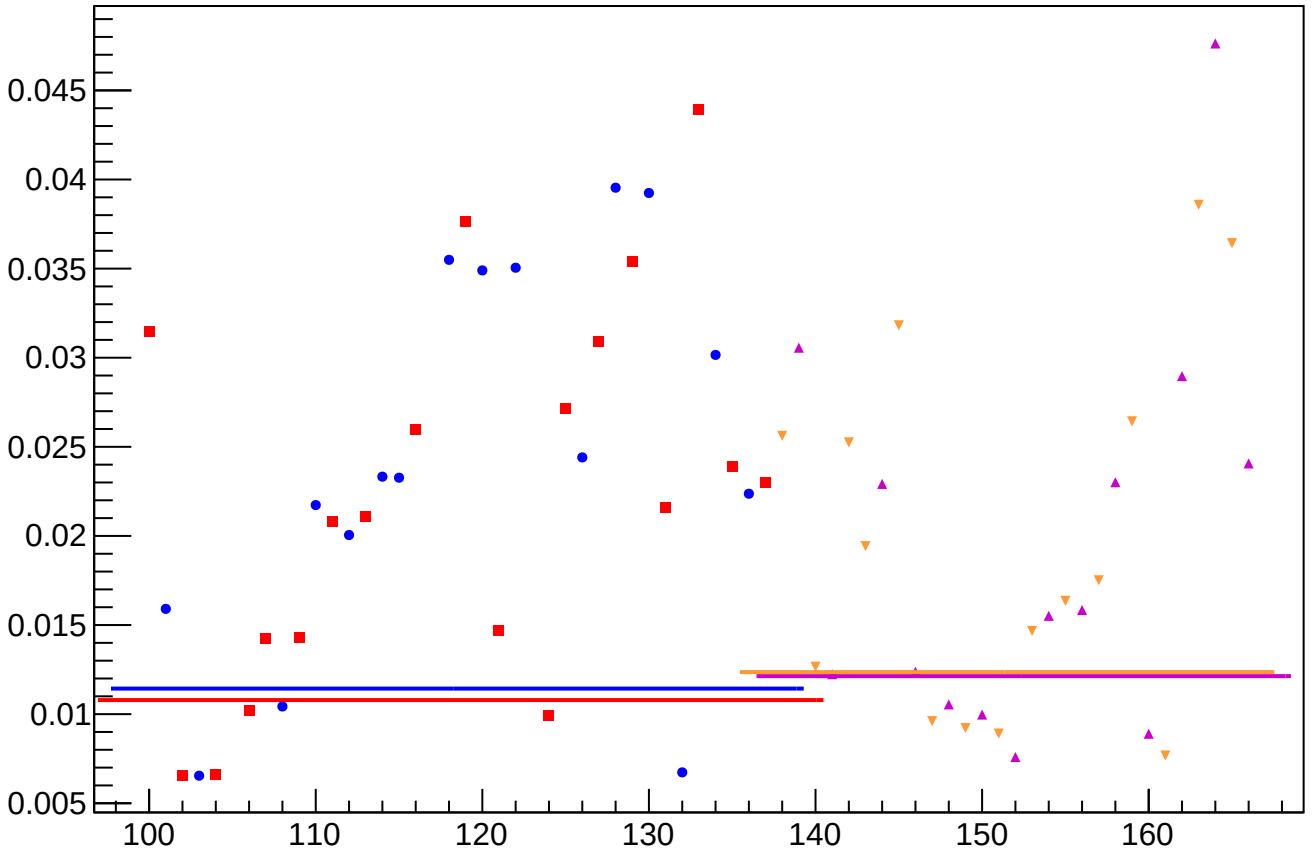
Left: -0.000+/-0.000 χ^2/NDF: 43.1/28

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.5/29

Out: -0.000+/-0.000 χ^2/NDF:47.6/33

All: -0.000+/-0.000 χ^2/NDF: 75.0/63



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:4358091.6/14

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3779191.0/13

Left: 0.012+/-0.000 χ^2/NDF: 8140344.6/28

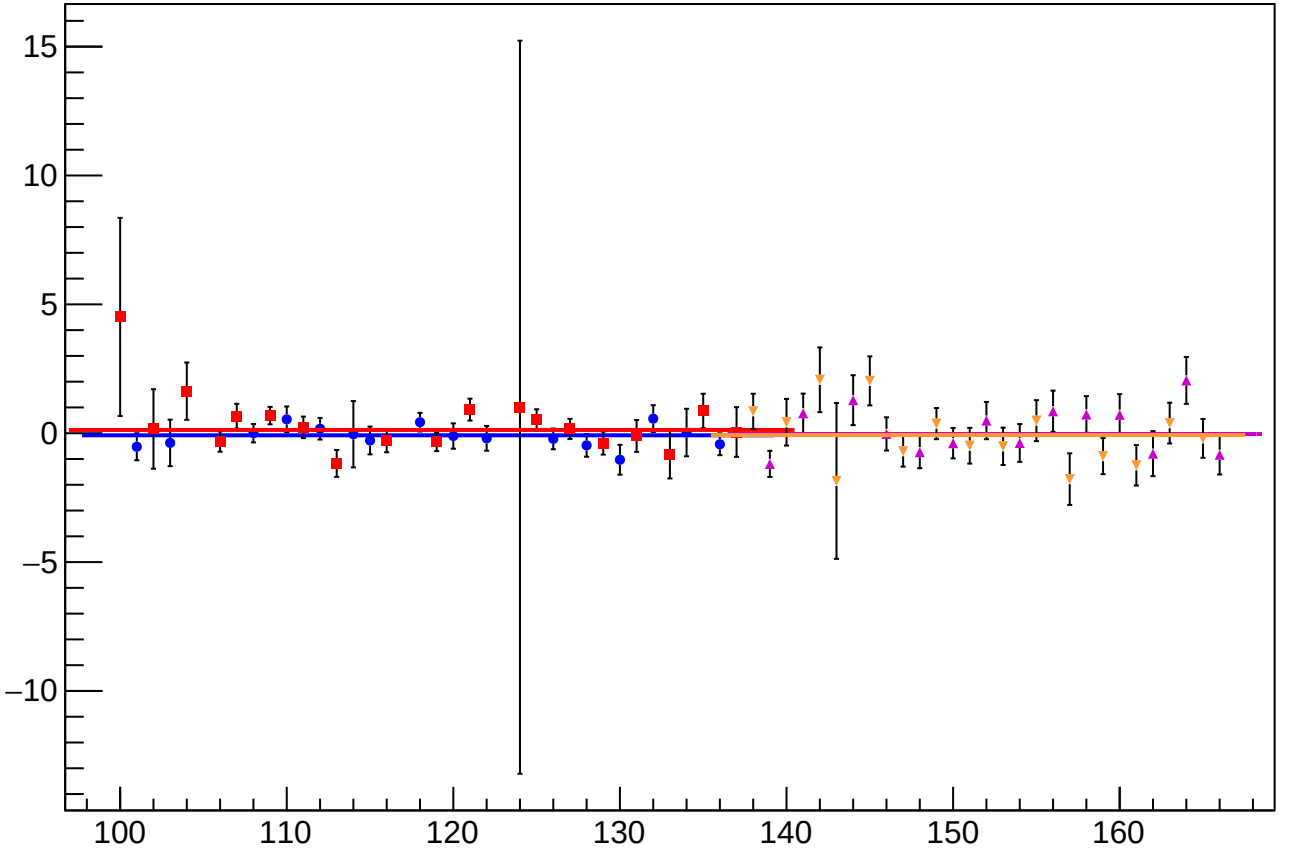
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:8500830.7/29

Out: 0.012+/-0.000 χ^2/NDF:8954304.5/33

All: 0.012+/-0.000 χ^2/NDF: 17458001.4/63

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

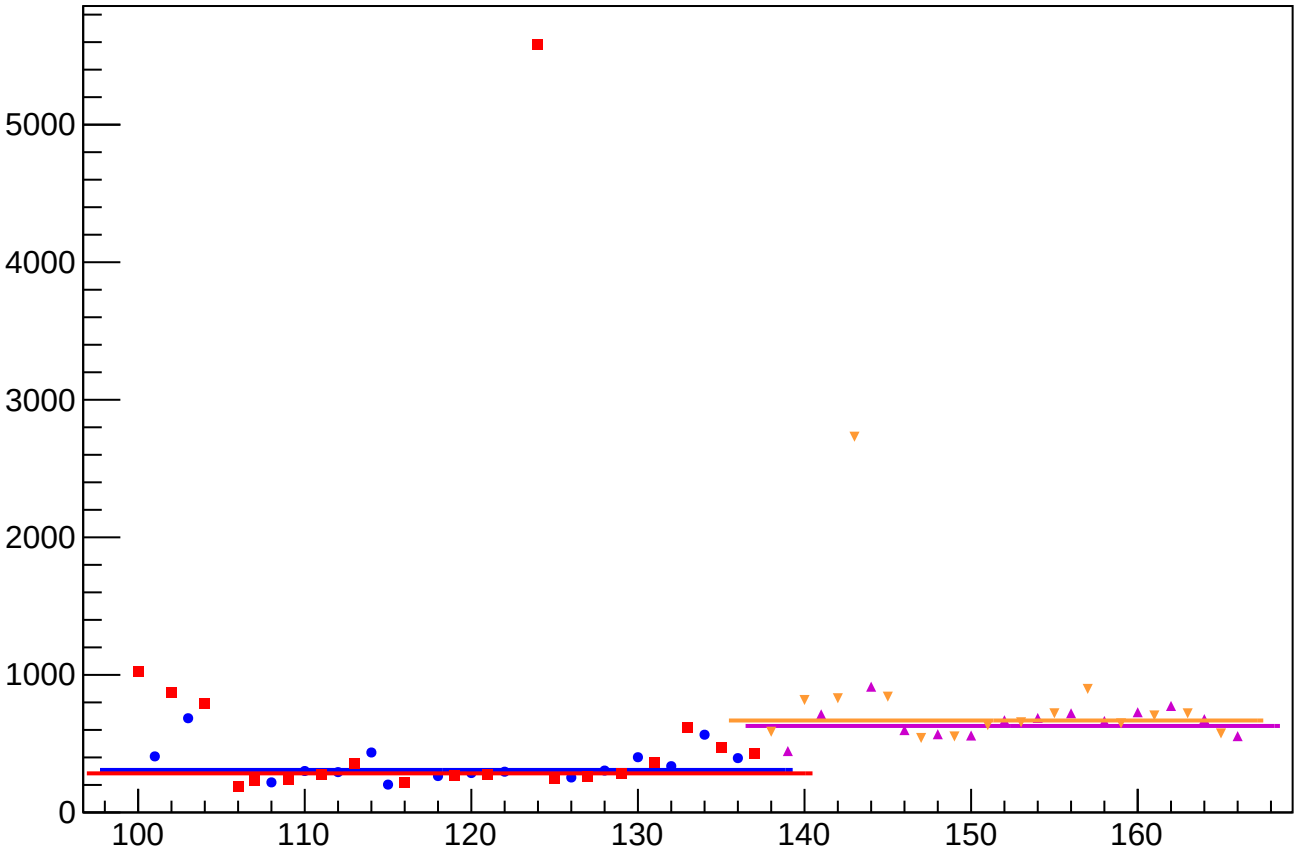
Left: -0.050+/-0.139 χ^2/NDF: 40.9/28

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.007+/-0.072 χ^2/NDF: 78.7/63



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 668.530+/-0.143 χ^2/NDF:1443225.2/14

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 628.820+/-0.135 χ^2/NDF:669983.8/13

Left: 647.431+/-0.098 χ^2/NDF: 2154026.0/28

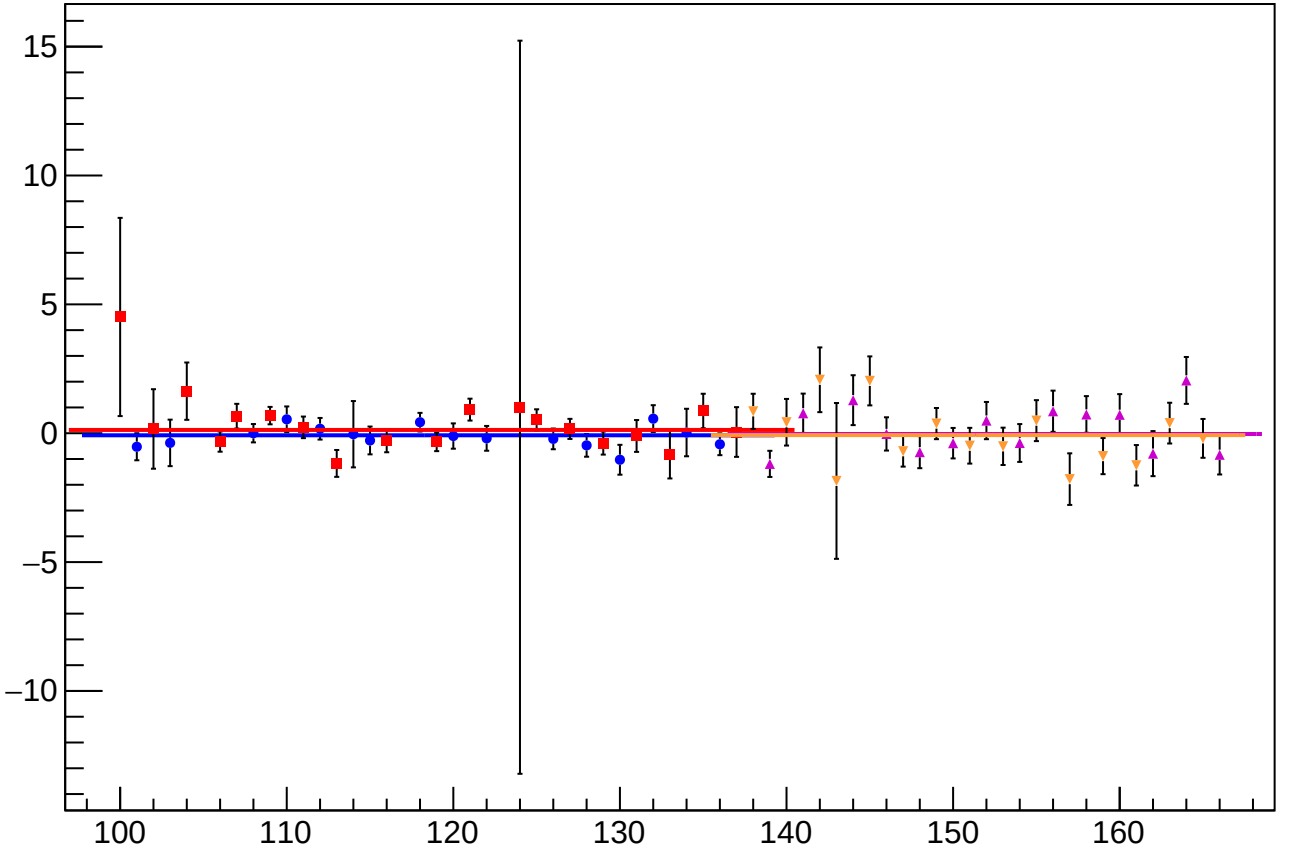
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.080+/-0.073 χ^2/NDF:5688337.9/29

Out: 380.184+/-0.072 χ^2/NDF:8698450.7/33

All: 390.986+/-0.051 χ^2/NDF: 14432917.5/63

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.030+/-0.190 χ^2/NDF:20.9/13

Left: -0.050+/-0.139 χ^2/NDF: 40.9/28

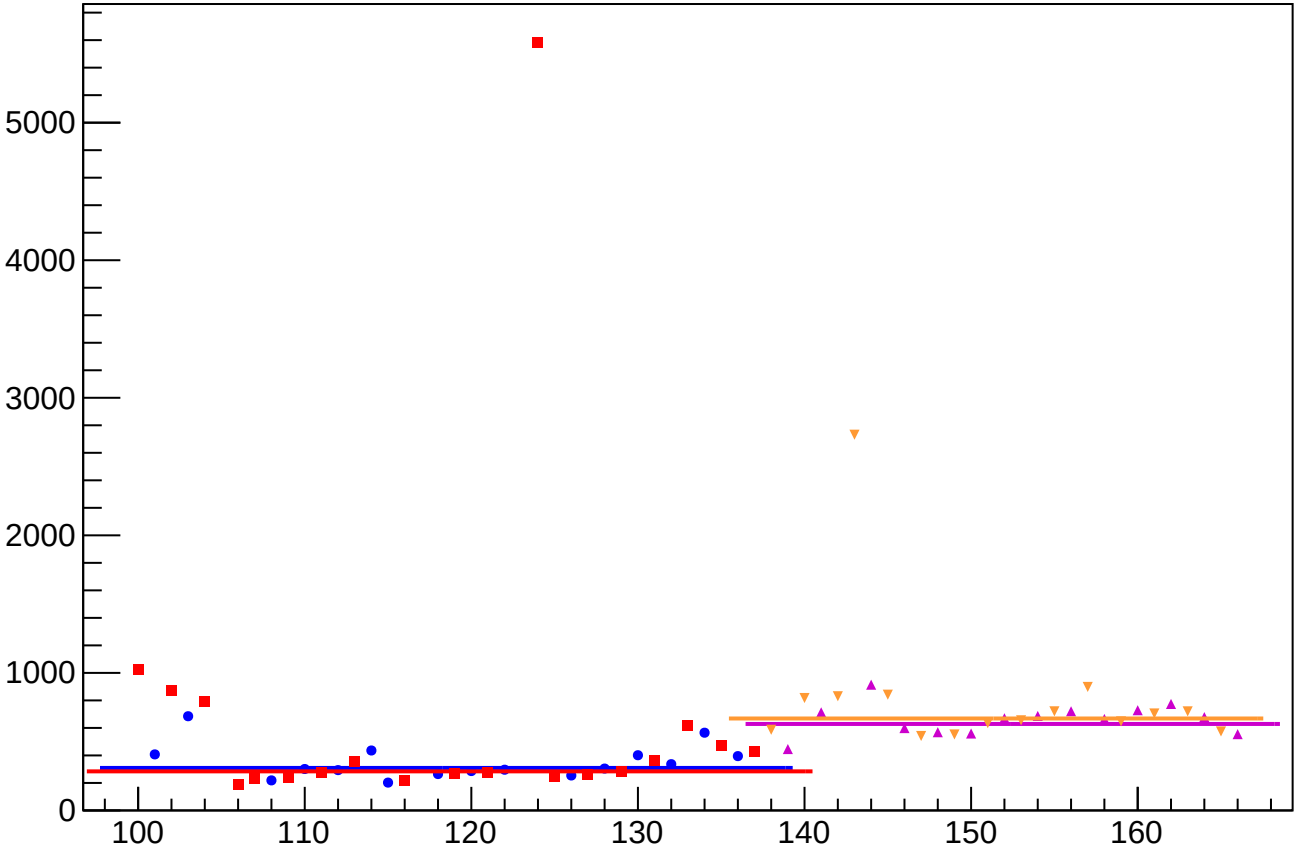
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.066+/-0.103 χ^2/NDF:31.7/29

Out: 0.078+/-0.101 χ^2/NDF:46.0/33

All: 0.007+/-0.072 χ^2/NDF: 78.7/63

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 668.530+/-0.143 χ^2/NDF:1443225.2/14

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 628.820+/-0.135 χ^2/NDF:669983.8/13

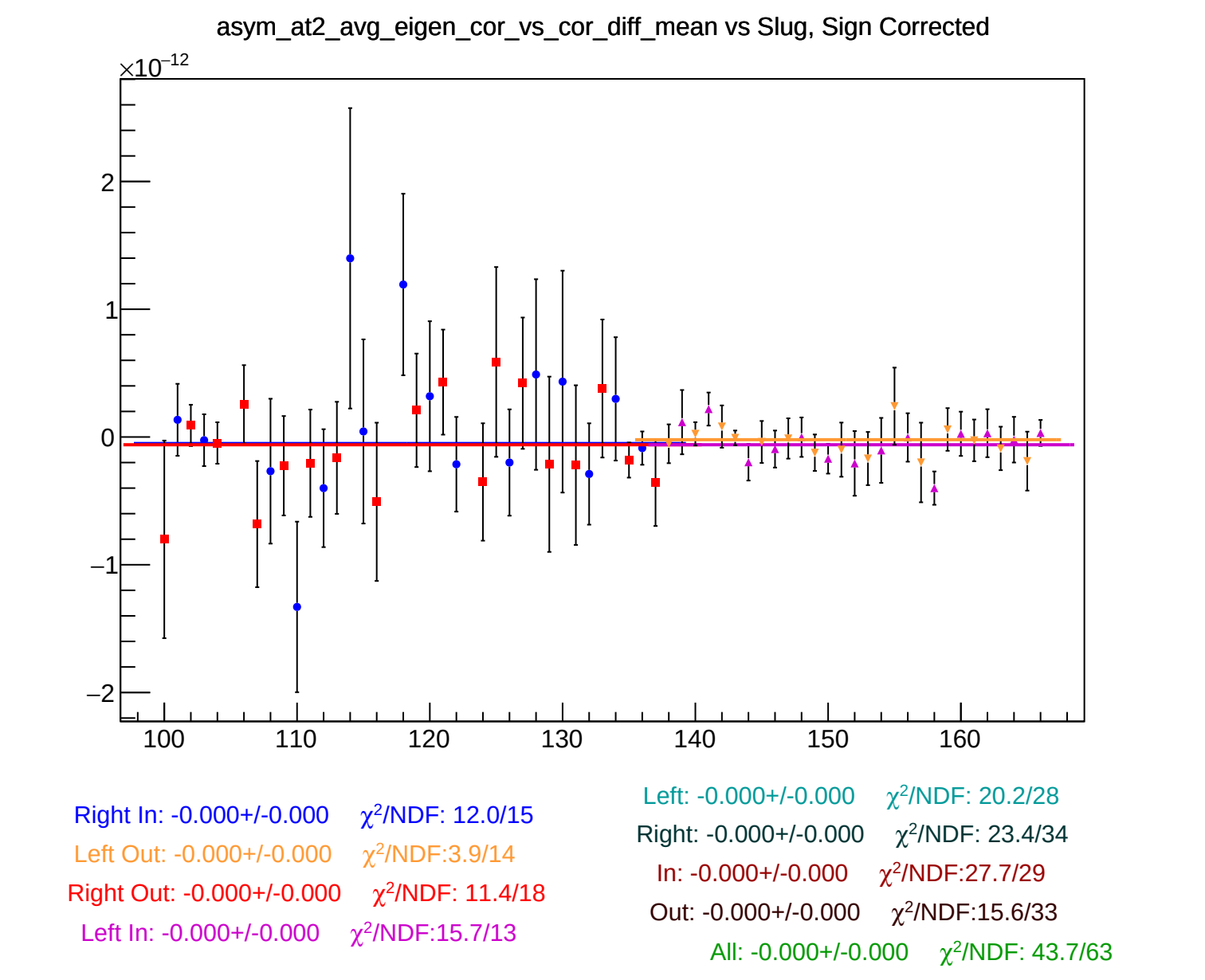
Left: 647.431+/-0.098 χ^2/NDF: 2154026.0/28

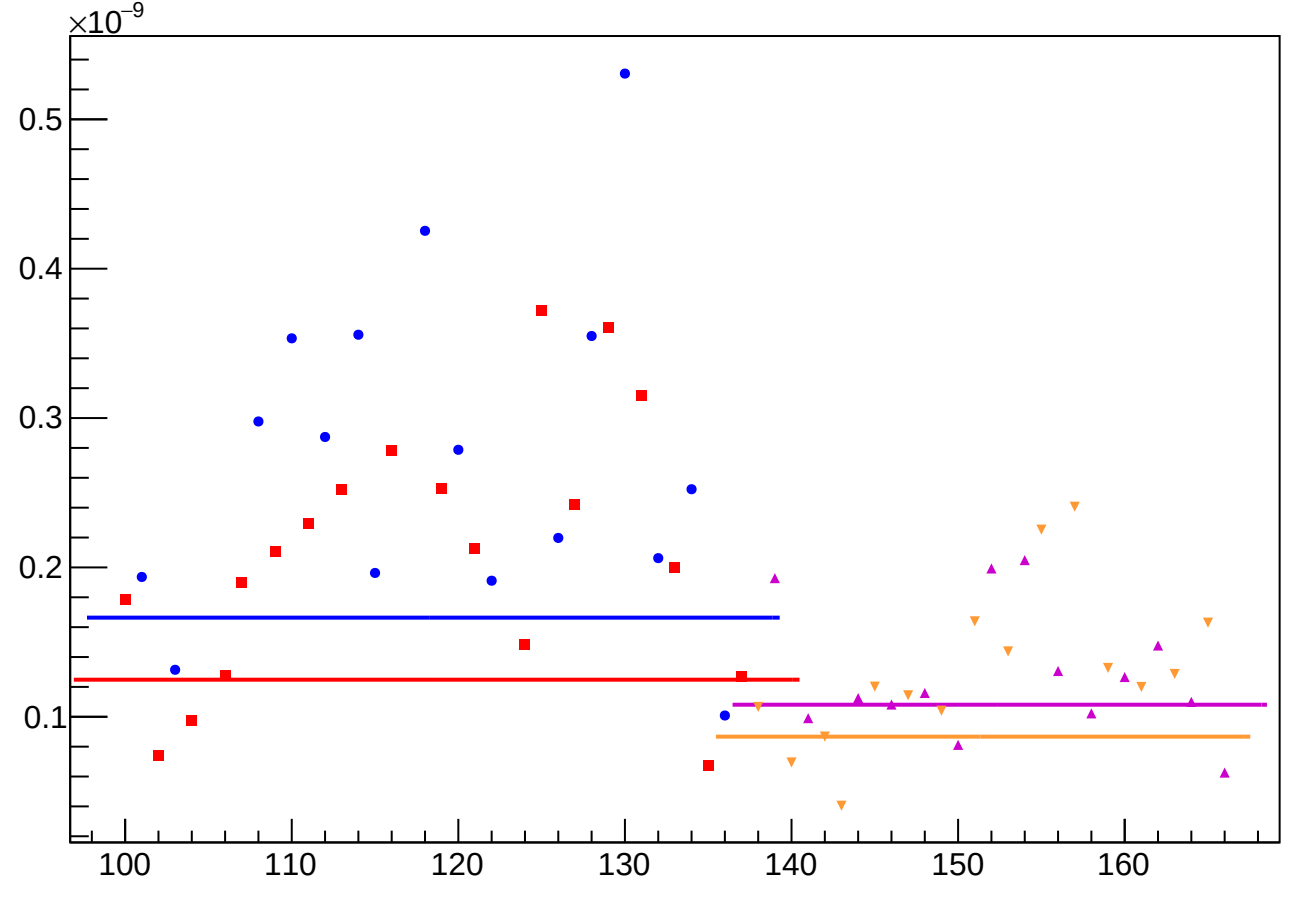
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.080+/-0.073 χ^2/NDF:5688337.9/29

Out: 380.184+/-0.072 χ^2/NDF:8698450.7/33

All: 390.986+/-0.051 χ^2/NDF: 14432917.5/63


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/14
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:15.7/13
Left: -0.000+/-0.000 χ²/NDF: 20.2/28
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:27.7/29
Out: -0.000+/-0.000 χ²/NDF:15.6/33
All: -0.000+/-0.000 χ²/NDF: 43.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3467081.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1443100.3/13

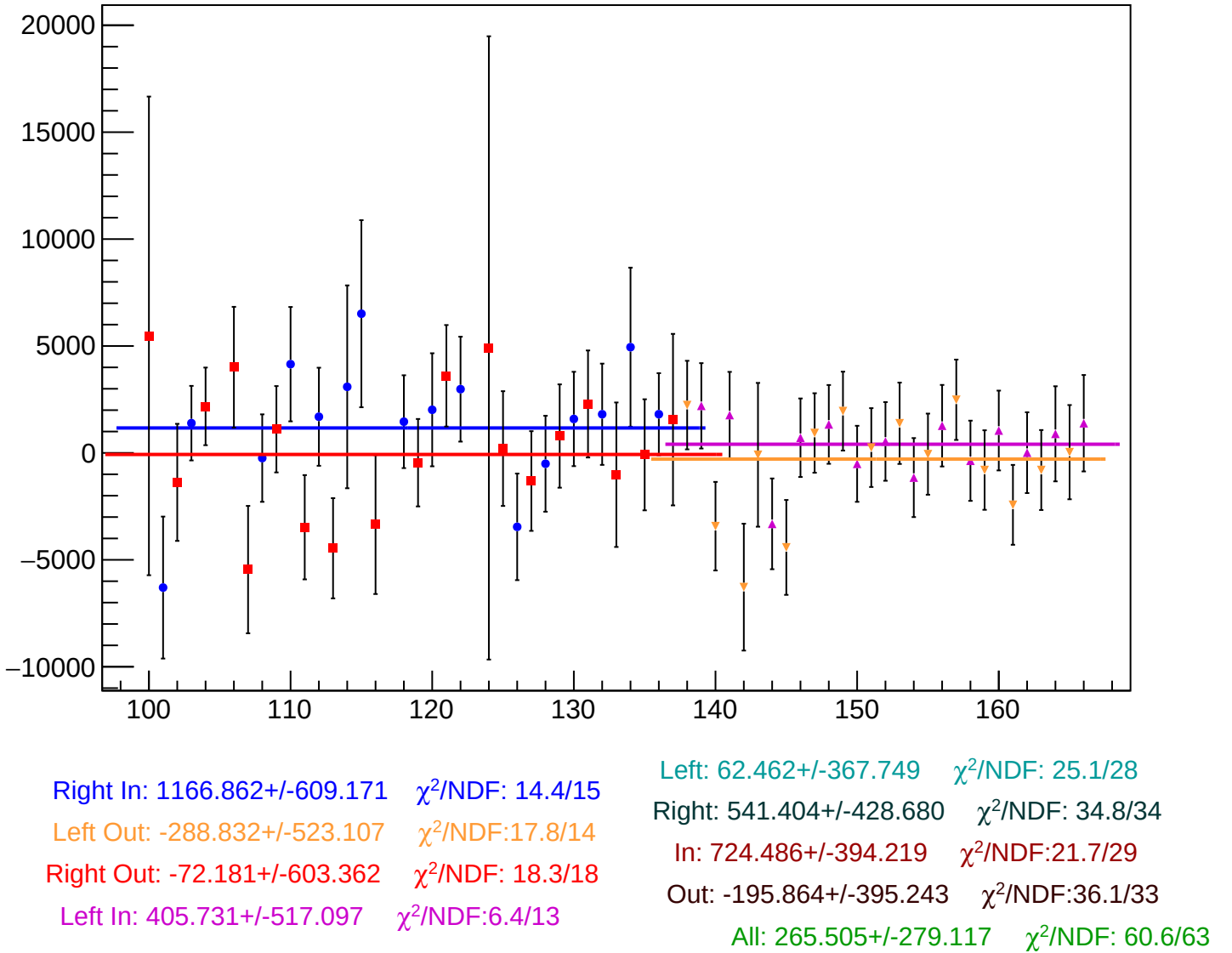
Left: 0.000+/-0.000 χ^2/NDF: 5225482.1/28

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

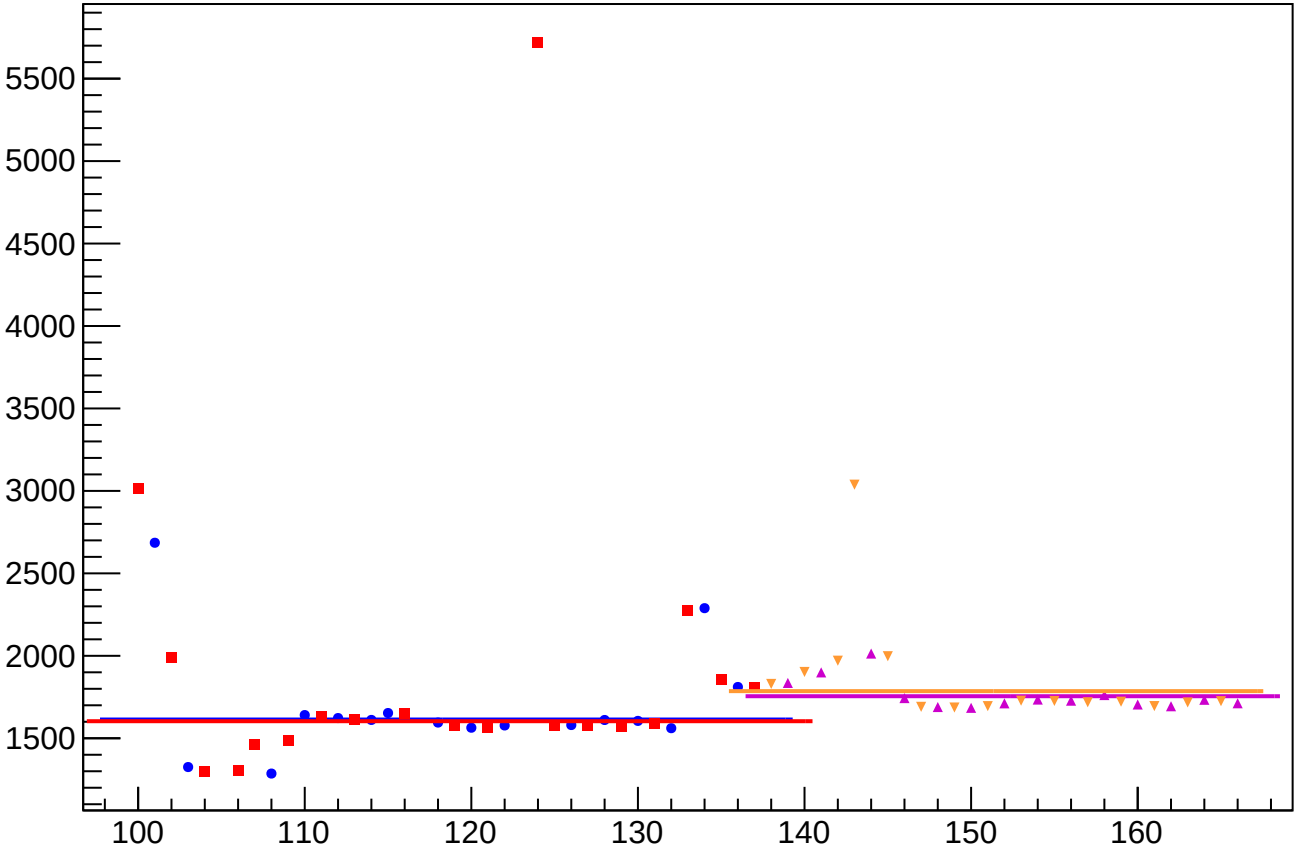
In: 0.000+/-0.000 χ^2/NDF:4198335.3/29

Out: 0.000+/-0.000 χ^2/NDF:6151759.2/33

All: 0.000+/-0.000 χ^2/NDF: 10881439.8/63


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -288.832+/-523.107 χ²/NDF:17.8/14
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 405.731+/-517.097 χ²/NDF:6.4/13
Left: 62.462+/-367.749 χ²/NDF: 25.1/28
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 724.486+/-394.219 χ²/NDF:21.7/29
Out: -195.864+/-395.243 χ²/NDF:36.1/33
All: 265.505+/-279.117 χ²/NDF: 60.6/63

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1754.985+/-0.366 χ^2/NDF:55156.4/13

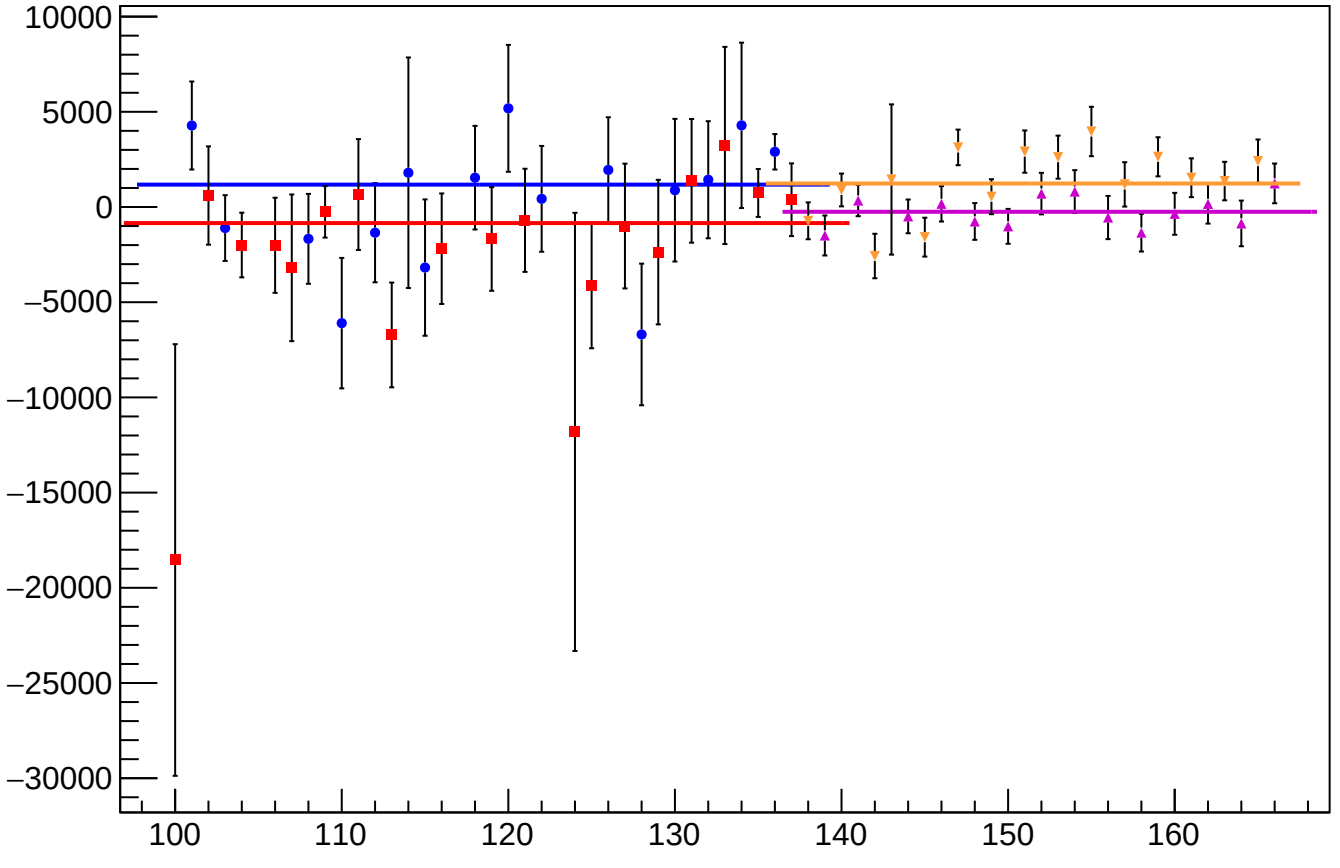
Left: 1770.230+/-0.260 χ^2/NDF: 402709.1/28

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1695.805+/-0.279 χ^2/NDF:522396.8/29

Out: 1707.574+/-0.279 χ^2/NDF:874136.4/33

All: 1701.675+/-0.197 χ^2/NDF: 1397422.1/63



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1234.682+/-276.399 χ^2/NDF:38.4/14

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -250.709+/-268.329 χ^2/NDF:8.6/13

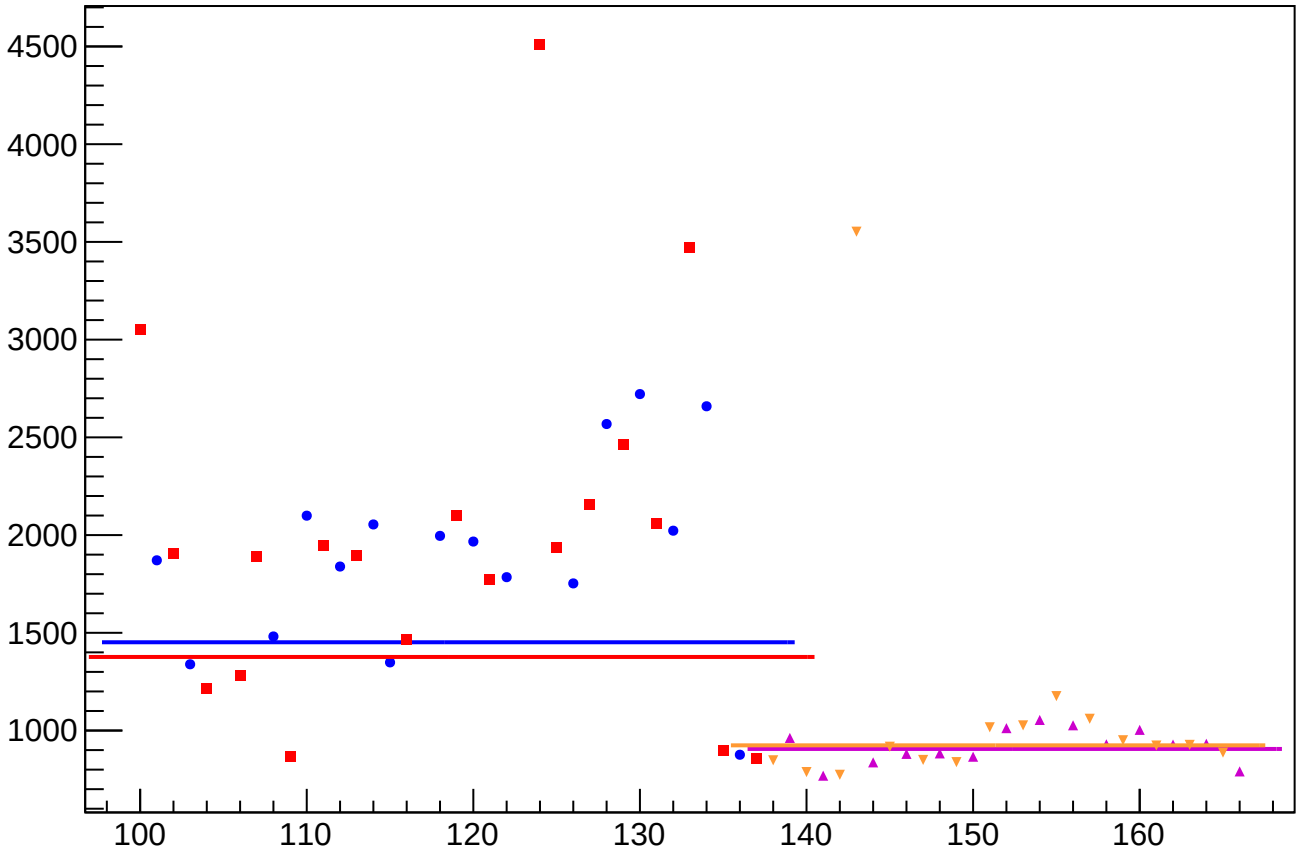
Left: 469.984+/-192.527 χ^2/NDF: 61.9/28

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 1.396+/-243.460 χ^2/NDF:35.6/29

Out: 824.506+/-247.630 χ^2/NDF:63.9/33

All: 405.963+/-173.608 χ^2/NDF: 105.1/63



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.271+/-0.195 χ^2/NDF:1150103.9/14

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 905.779+/-0.190 χ^2/NDF:199419.6/13

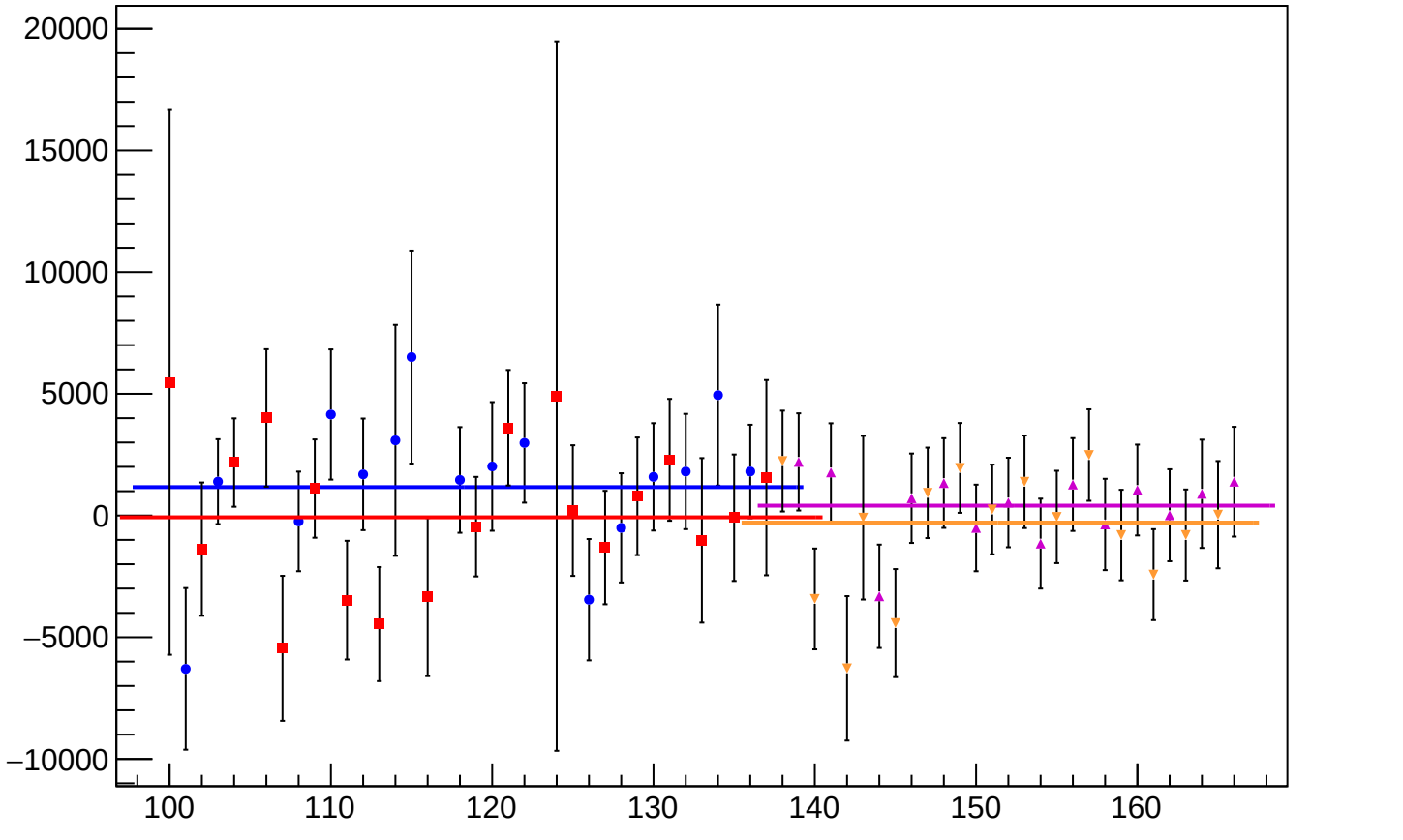
Left: 914.751+/-0.136 χ^2/NDF: 1354132.4/28

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

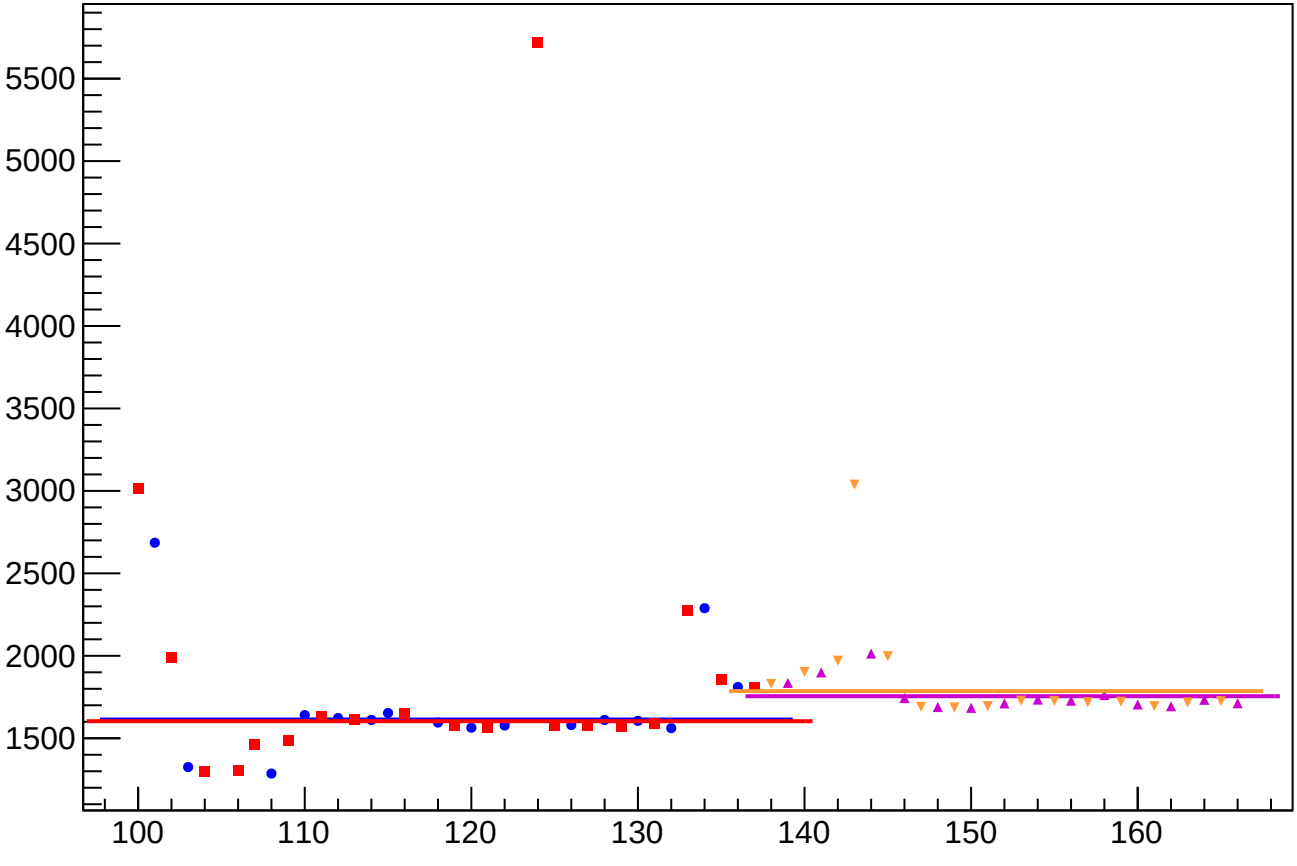
In: 1002.268+/-0.172 χ^2/NDF:3453285.0/29

Out: 1013.507+/-0.175 χ^2/NDF:4338552.0/33

All: 1007.792+/-0.123 χ^2/NDF: 7793932.0/63


cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -289.016+/-523.107 χ²/NDF:17.8/14
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 405.658+/-517.097 χ²/NDF:6.4/13
Left: 62.335+/-367.749 χ²/NDF: 25.1/28
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 724.404+/-394.219 χ²/NDF:21.7/29
Out: -196.105+/-395.243 χ²/NDF:36.1/33
All: 265.344+/-279.117 χ²/NDF: 60.6/63

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1754.985+/-0.366 χ^2/NDF:55156.4/13

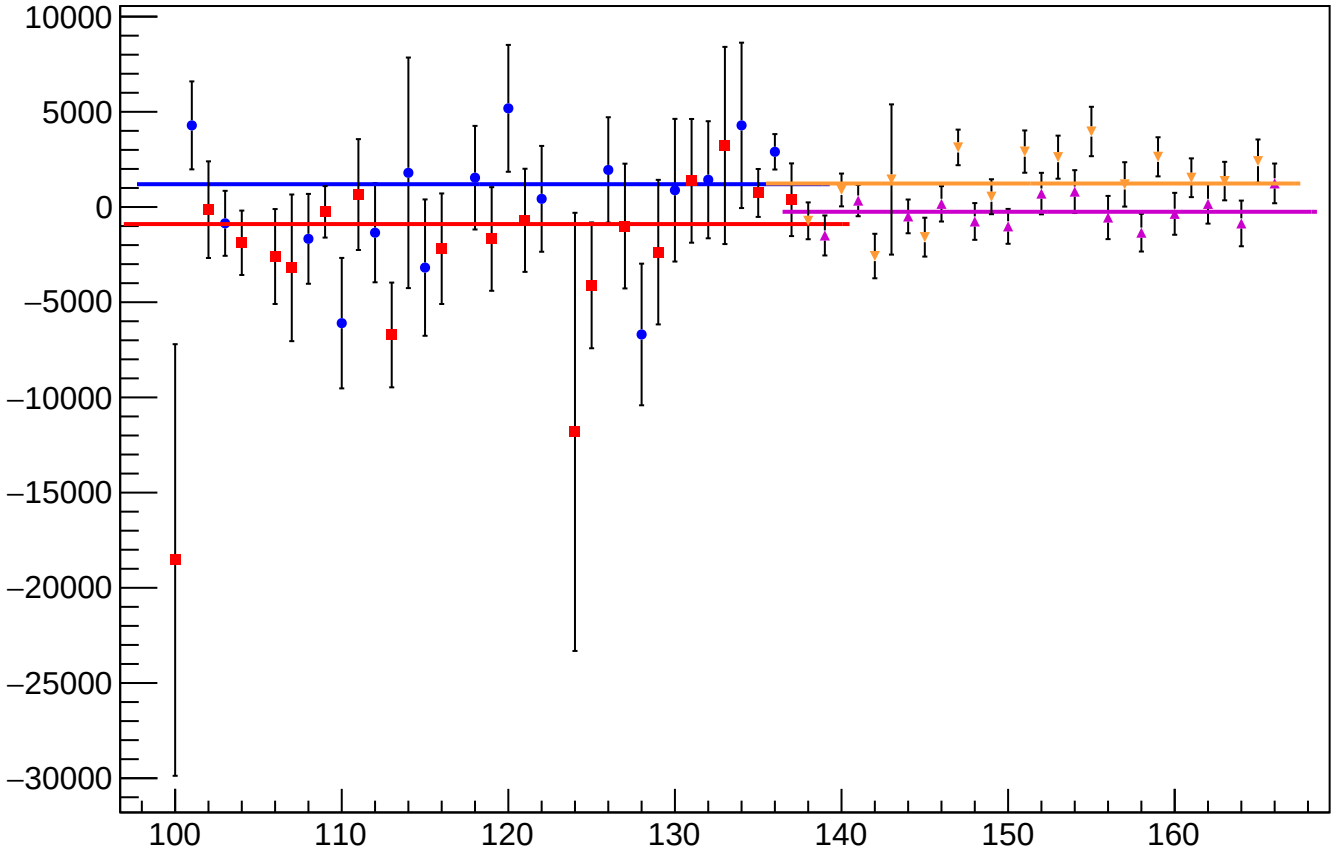
Left: 1770.230+/-0.260 χ^2/NDF: 402709.1/28

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.805+/-0.279 χ^2/NDF:522397.2/29

Out: 1707.574+/-0.279 χ^2/NDF:874136.6/33

All: 1701.675+/-0.197 χ^2/NDF: 1397422.7/63



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -250.628+/-268.328 χ^2/NDF:8.6/13

Left: 470.006+/-192.528 χ^2/NDF: 61.9/28

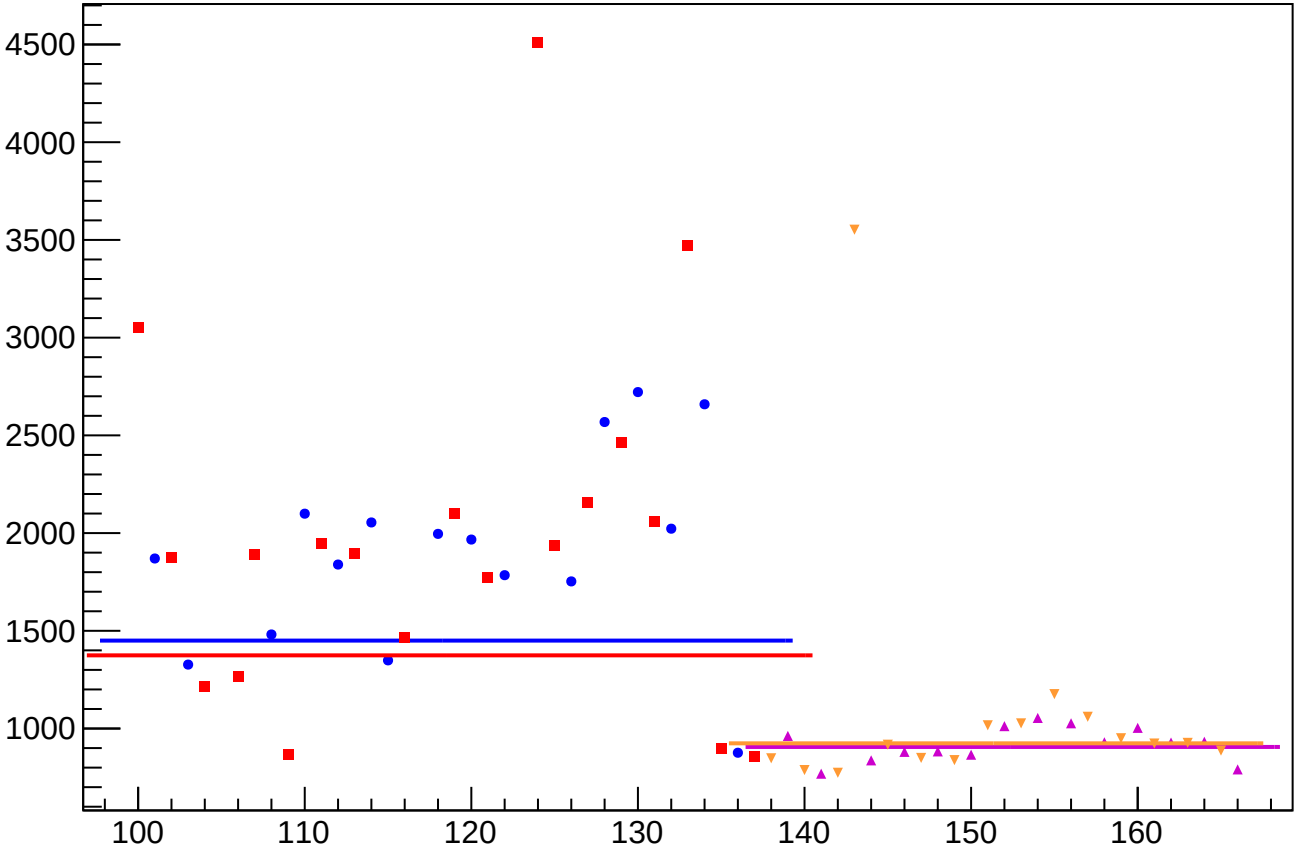
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 6.102+/-243.399 χ^2/NDF:35.4/29

Out: 813.362+/-247.564 χ^2/NDF:64.4/33

All: 402.884+/-173.563 χ^2/NDF: 105.2/63

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.282+/-0.195 χ^2/NDF:1150018.4/14

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 905.776+/-0.190 χ^2/NDF:199466.8/13

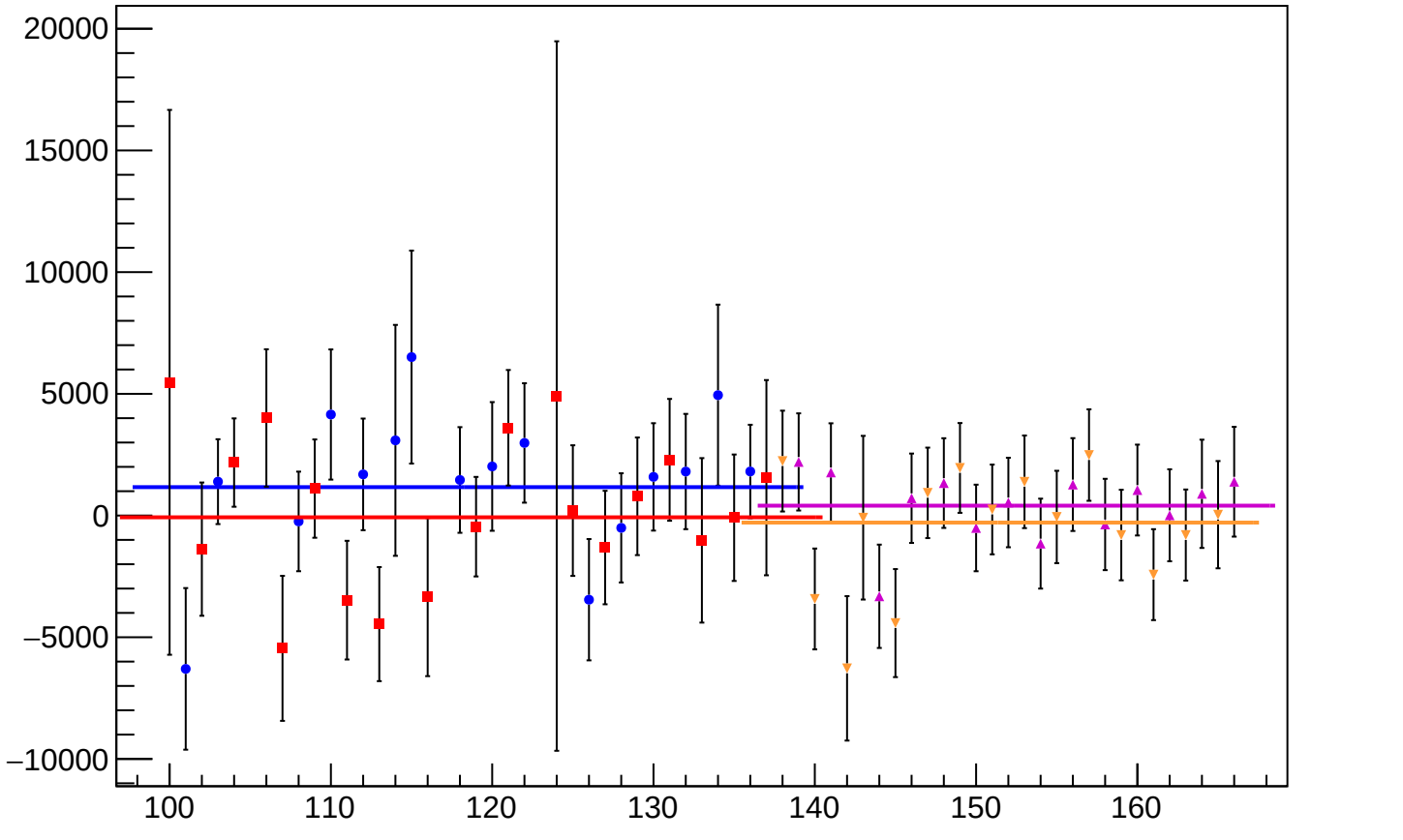
Left: 914.755+/-0.136 χ^2/NDF: 1354101.0/28

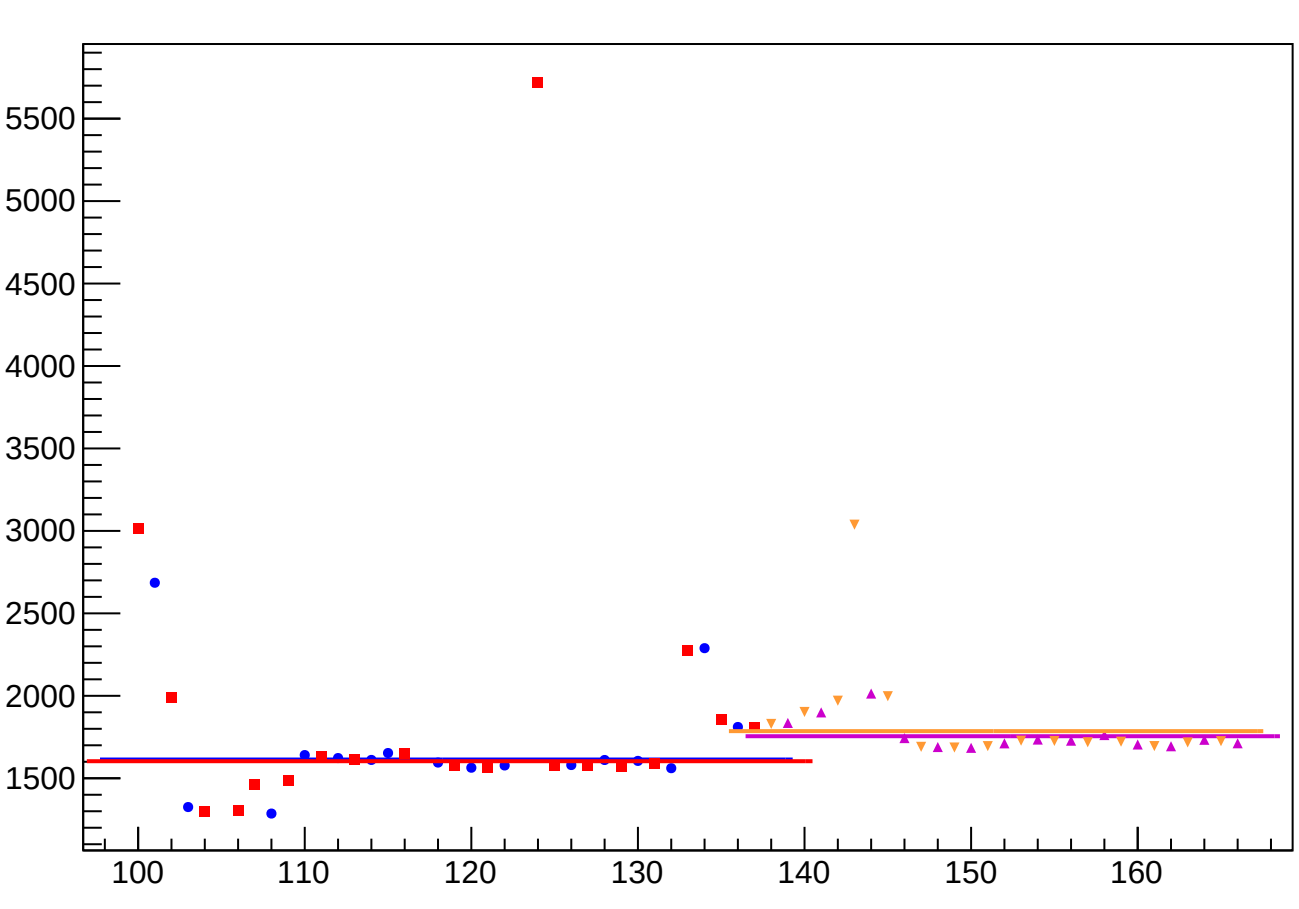
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1002.191+/-0.172 χ^2/NDF:3449527.4/29

Out: 1013.314+/-0.175 χ^2/NDF:4326913.6/33

All: 1007.658+/-0.123 χ^2/NDF: 7778493.9/63


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -289.016+/-523.107 χ²/NDF:17.8/14
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 405.658+/-517.097 χ²/NDF:6.4/13
Left: 62.335+/-367.749 χ²/NDF: 25.1/28
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 724.404+/-394.219 χ²/NDF:21.7/29
Out: -196.105+/-395.243 χ²/NDF:36.1/33
All: 265.344+/-279.117 χ²/NDF: 60.6/63



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1754.985+/-0.366 χ^2/NDF:55156.4/13

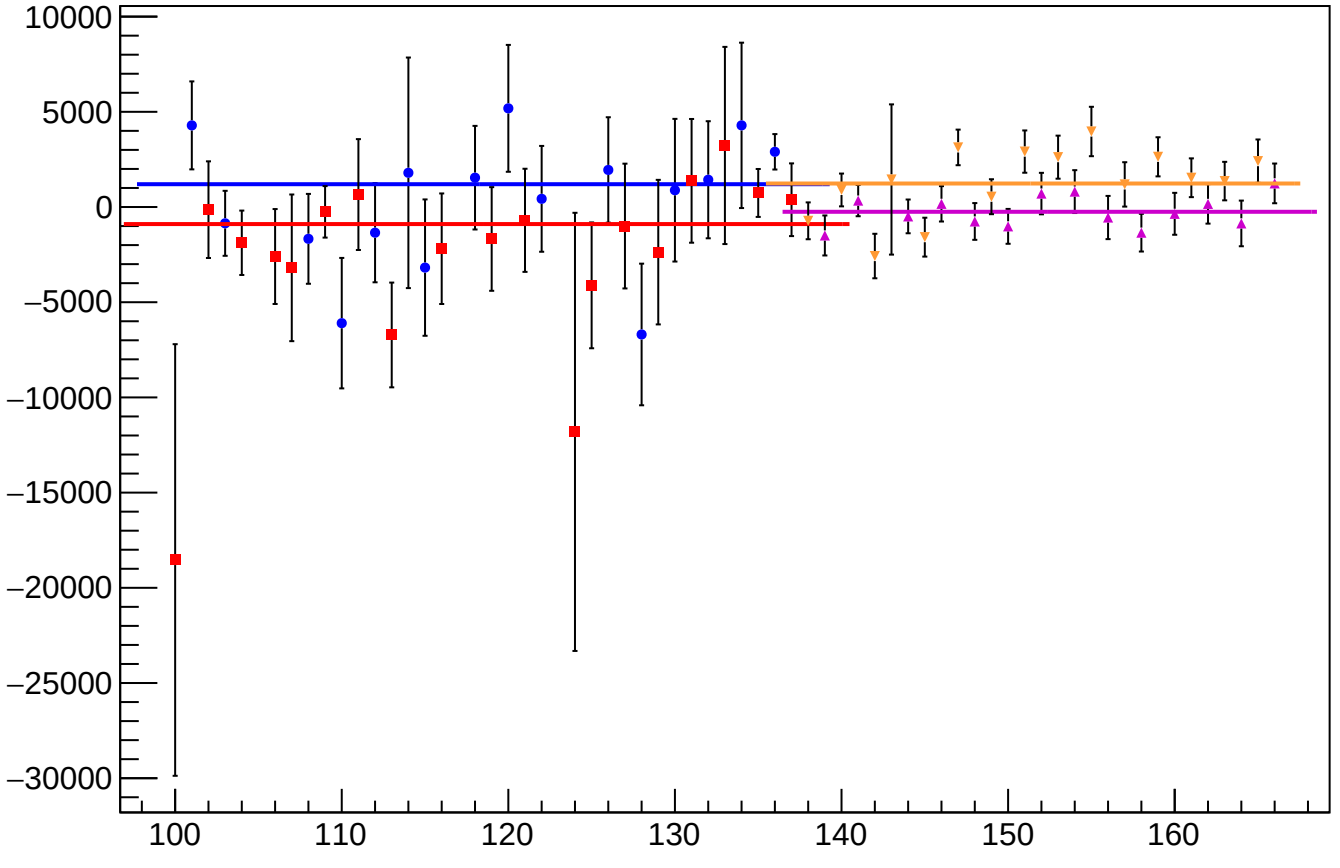
Left: 1770.230+/-0.260 χ^2/NDF: 402709.1/28

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.805+/-0.279 χ^2/NDF:522397.2/29

Out: 1707.574+/-0.279 χ^2/NDF:874136.6/33

All: 1701.675+/-0.197 χ^2/NDF: 1397422.7/63



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -250.628+/-268.328 χ^2/NDF:8.6/13

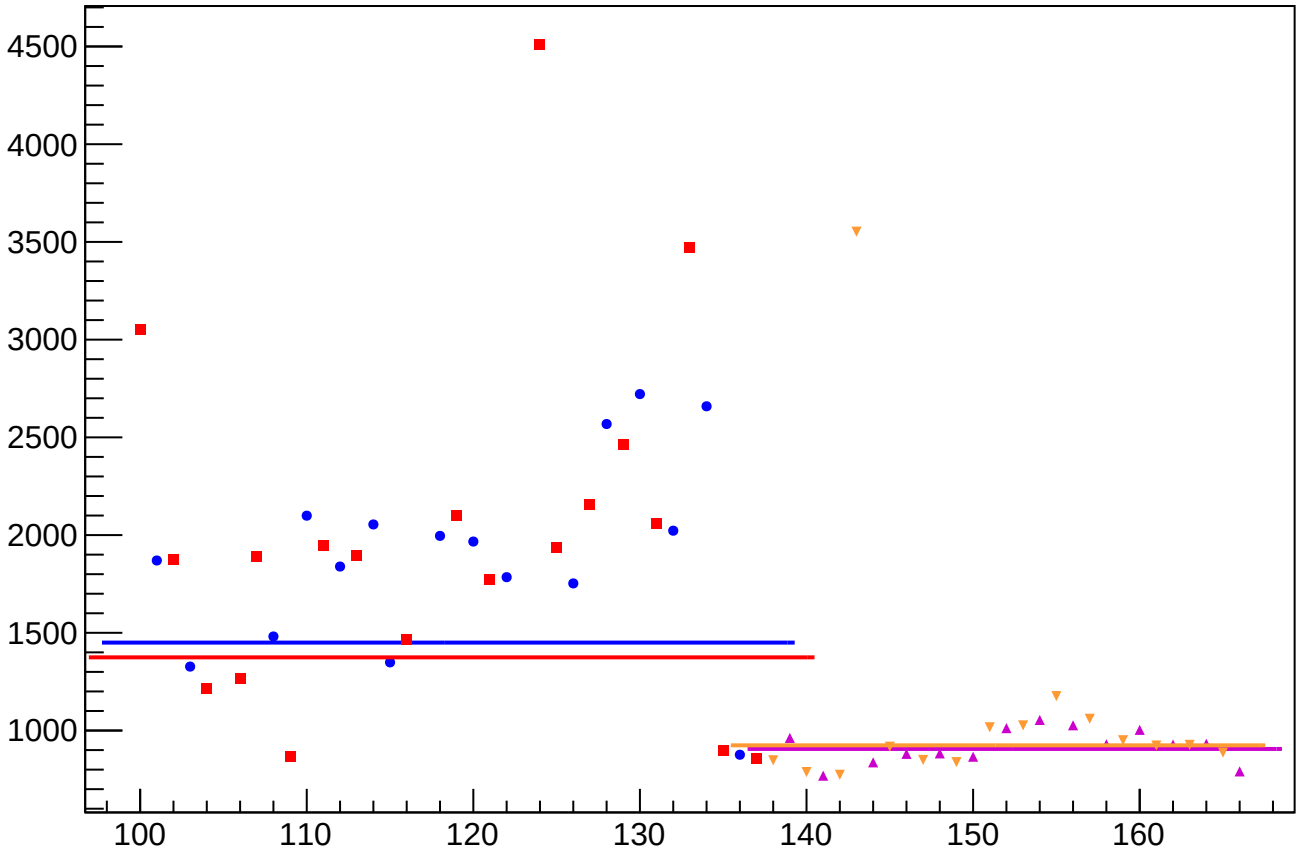
Left: 470.006+/-192.528 χ^2/NDF: 61.9/28

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 6.102+/-243.399 χ^2/NDF:35.4/29

Out: 813.362+/-247.564 χ^2/NDF:64.4/33

All: 402.884+/-173.563 χ^2/NDF: 105.2/63



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.282+/-0.195 χ^2/NDF:1150018.4/14

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 905.776+/-0.190 χ^2/NDF:199466.8/13

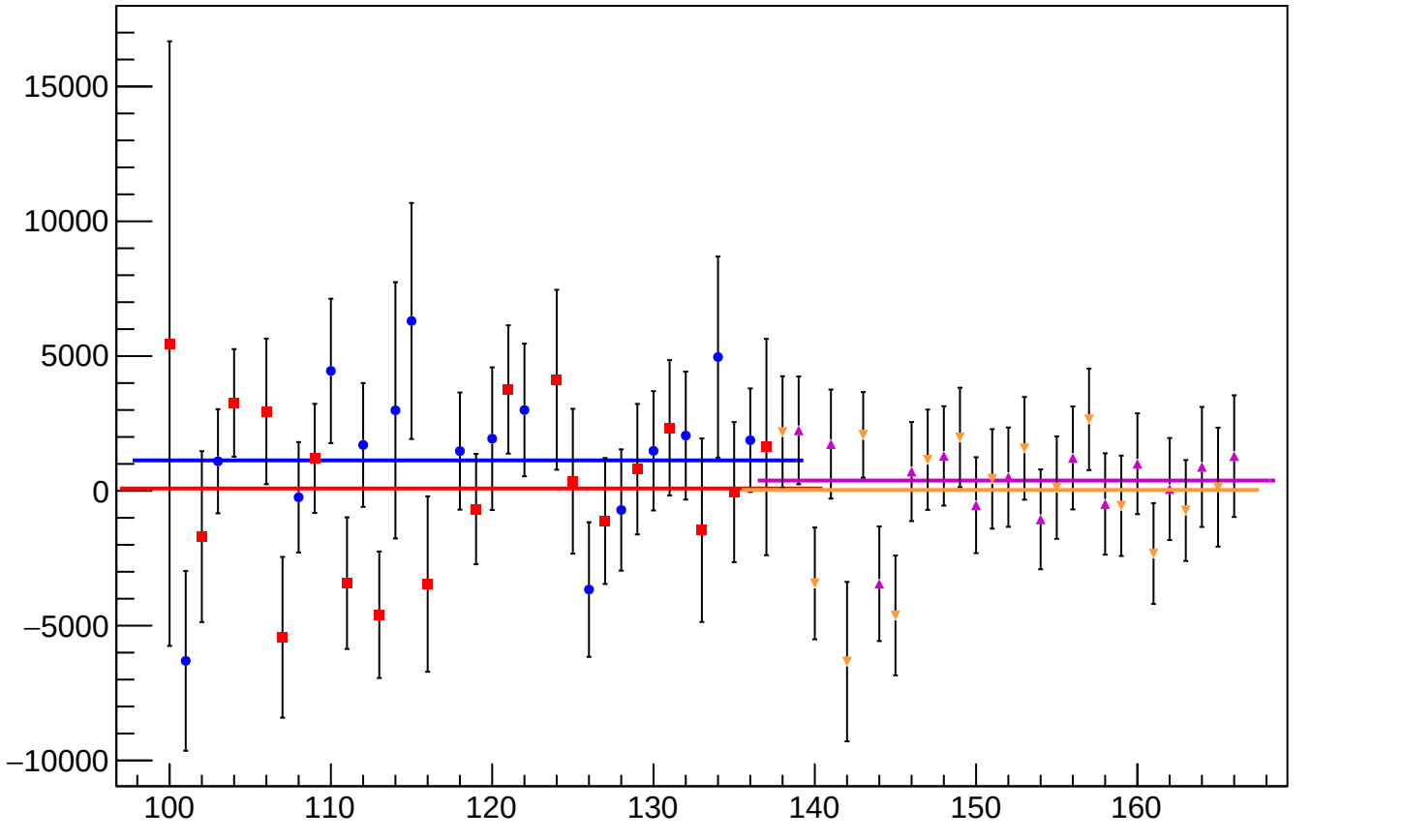
Left: 914.755+/-0.136 χ^2/NDF: 1354101.0/28

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1002.191+/-0.172 χ^2/NDF:3449527.4/29

Out: 1013.314+/-0.175 χ^2/NDF:4326913.6/33

All: 1007.658+/-0.123 χ^2/NDF: 7778493.9/63



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 33.902+/-502.887 χ^2/NDF:20.5/14

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 383.395+/-517.775 χ^2/NDF:6.5/13

Left: 203.552+/-360.743 χ^2/NDF: 27.2/28

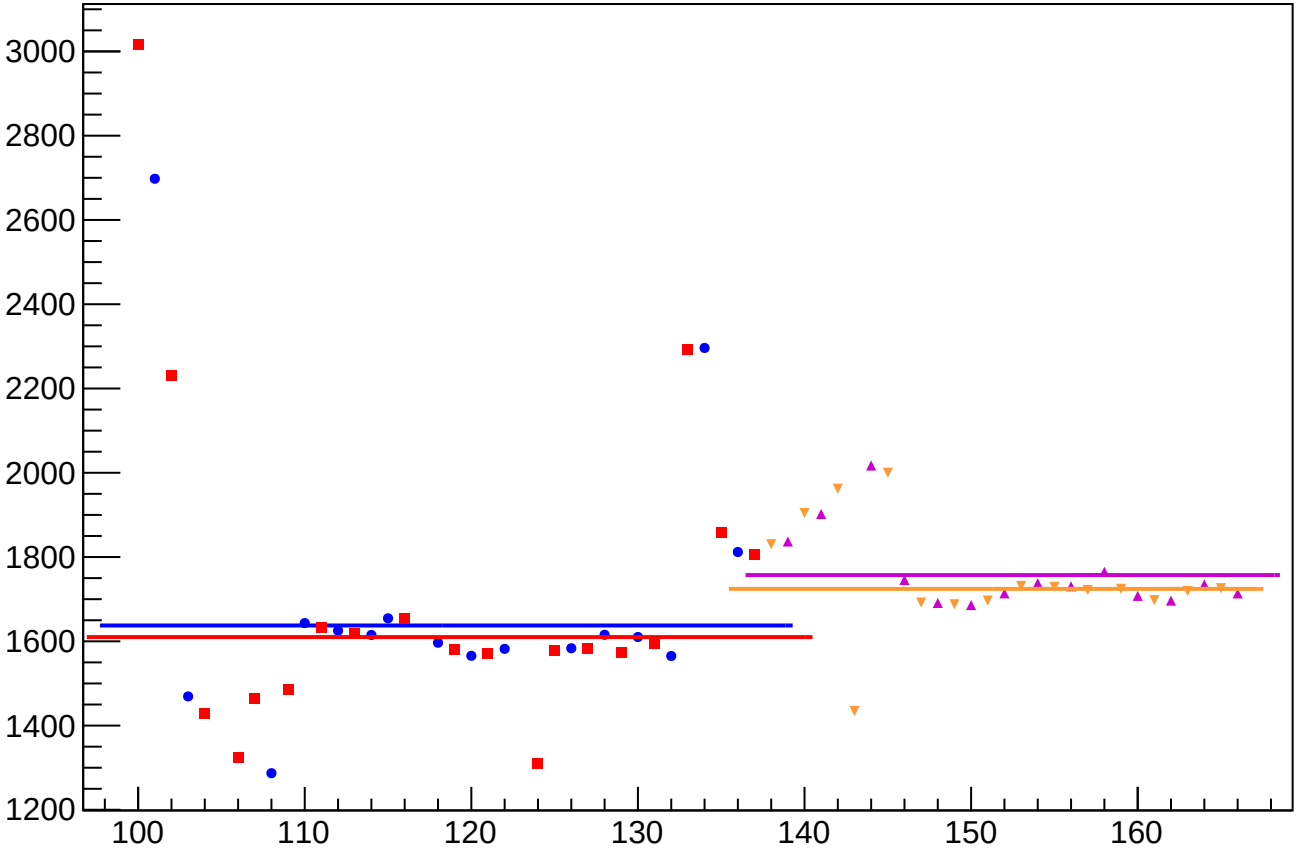
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 692.071+/-396.685 χ^2/NDF:22.3/29

Out: 56.591+/-386.225 χ^2/NDF:41.2/33

All: 365.842+/-276.727 χ^2/NDF: 64.8/63

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132942.7/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1757.273+/-0.366 χ^2/NDF:55352.6/13

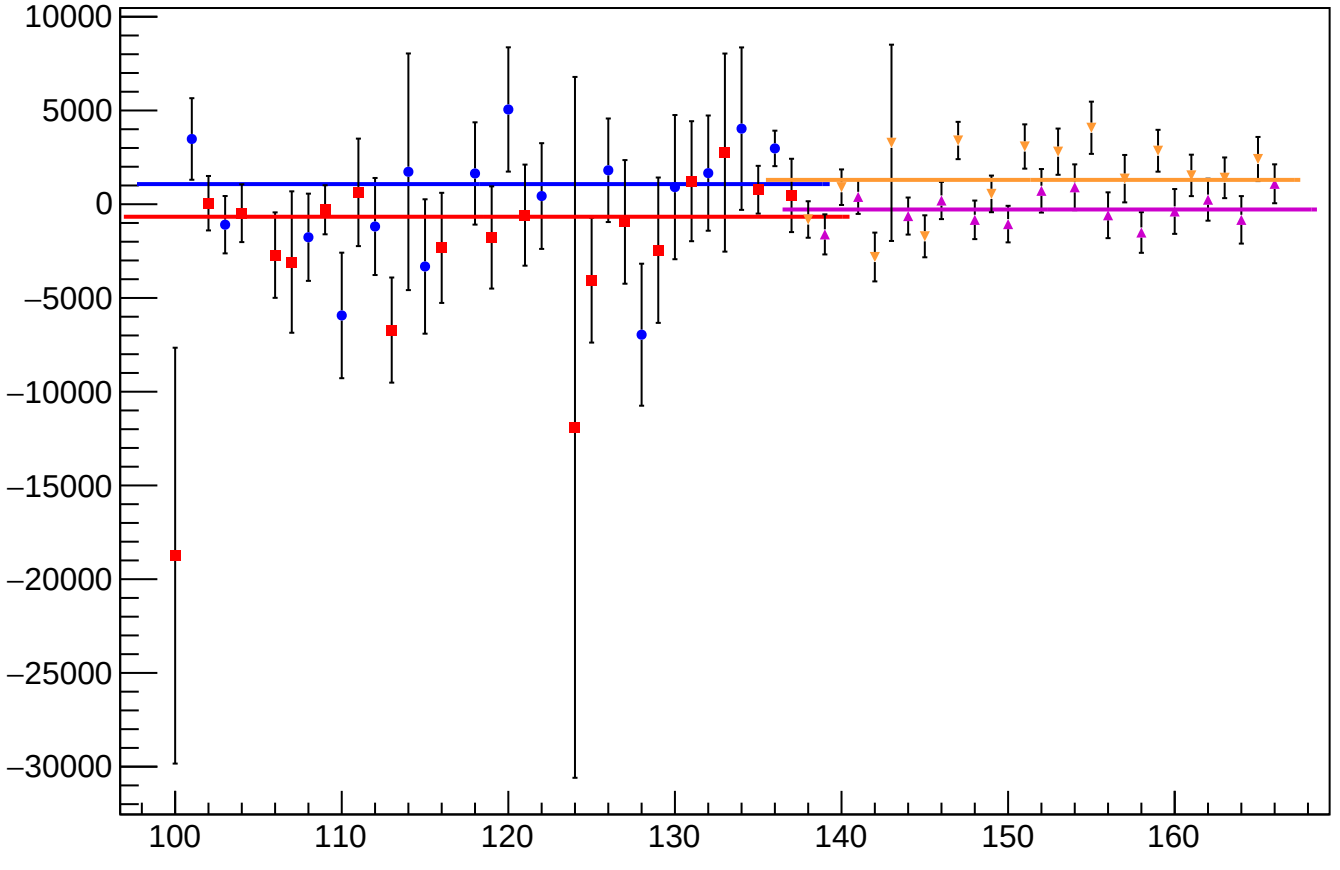
Left: 1740.407+/-0.255 χ^2/NDF: 192419.0/28

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.833+/-0.280 χ^2/NDF:460918.5/29

Out: 1677.554+/-0.273 χ^2/NDF:456246.7/33

All: 1692.289+/-0.196 χ^2/NDF: 923146.9/63



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1298.217+/-296.747 χ^2/NDF:37.9/14

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -280.883+/-287.483 χ^2/NDF:8.6/13

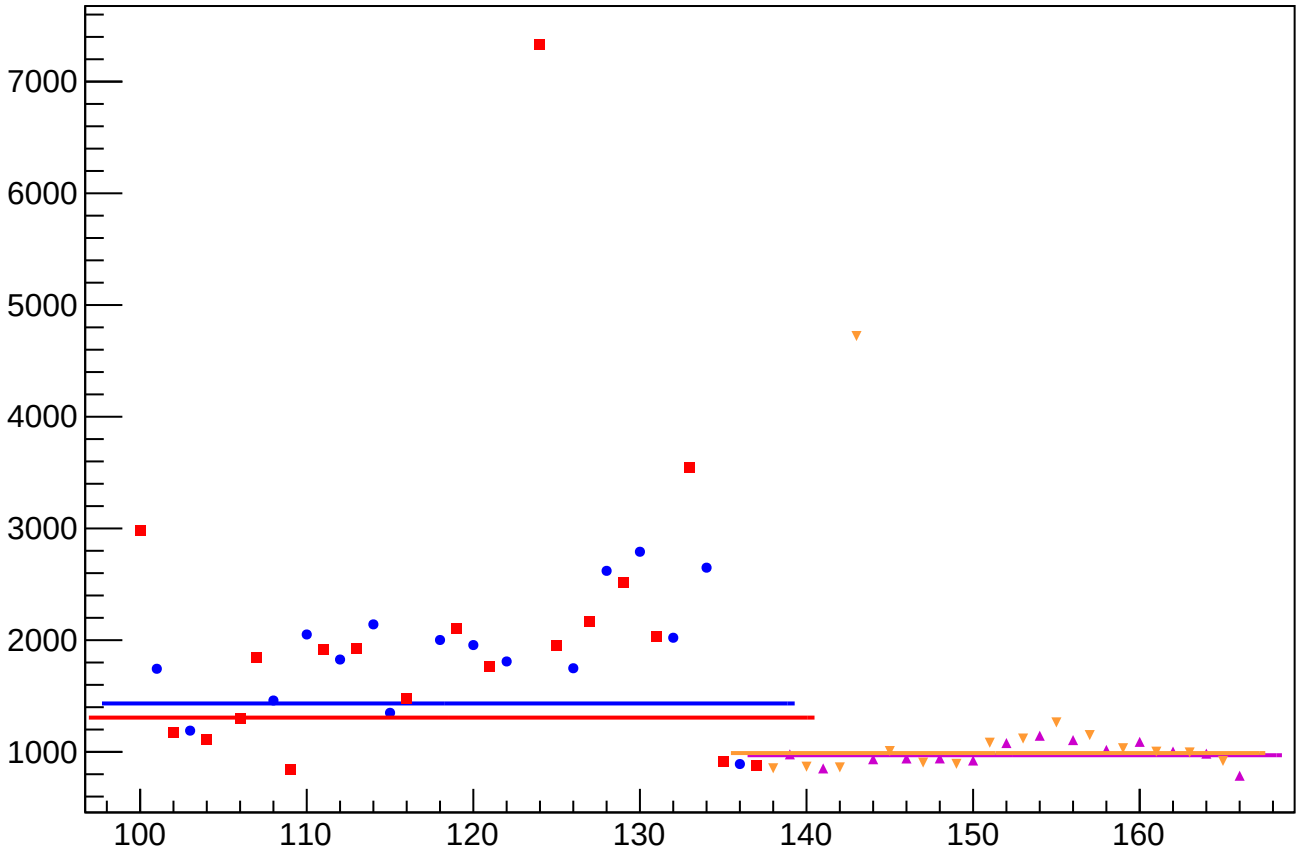
Left: 483.634+/-206.479 χ^2/NDF: 61.1/28

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -7.439+/-256.830 χ^2/NDF:35.1/29

Out: 820.091+/-258.153 χ^2/NDF:62.1/33

All: 404.201+/-182.072 χ^2/NDF: 102.4/63



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.460+/-0.210 χ^2/NDF:1298216.9/14

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 970.095+/-0.203 χ^2/NDF:215954.9/13

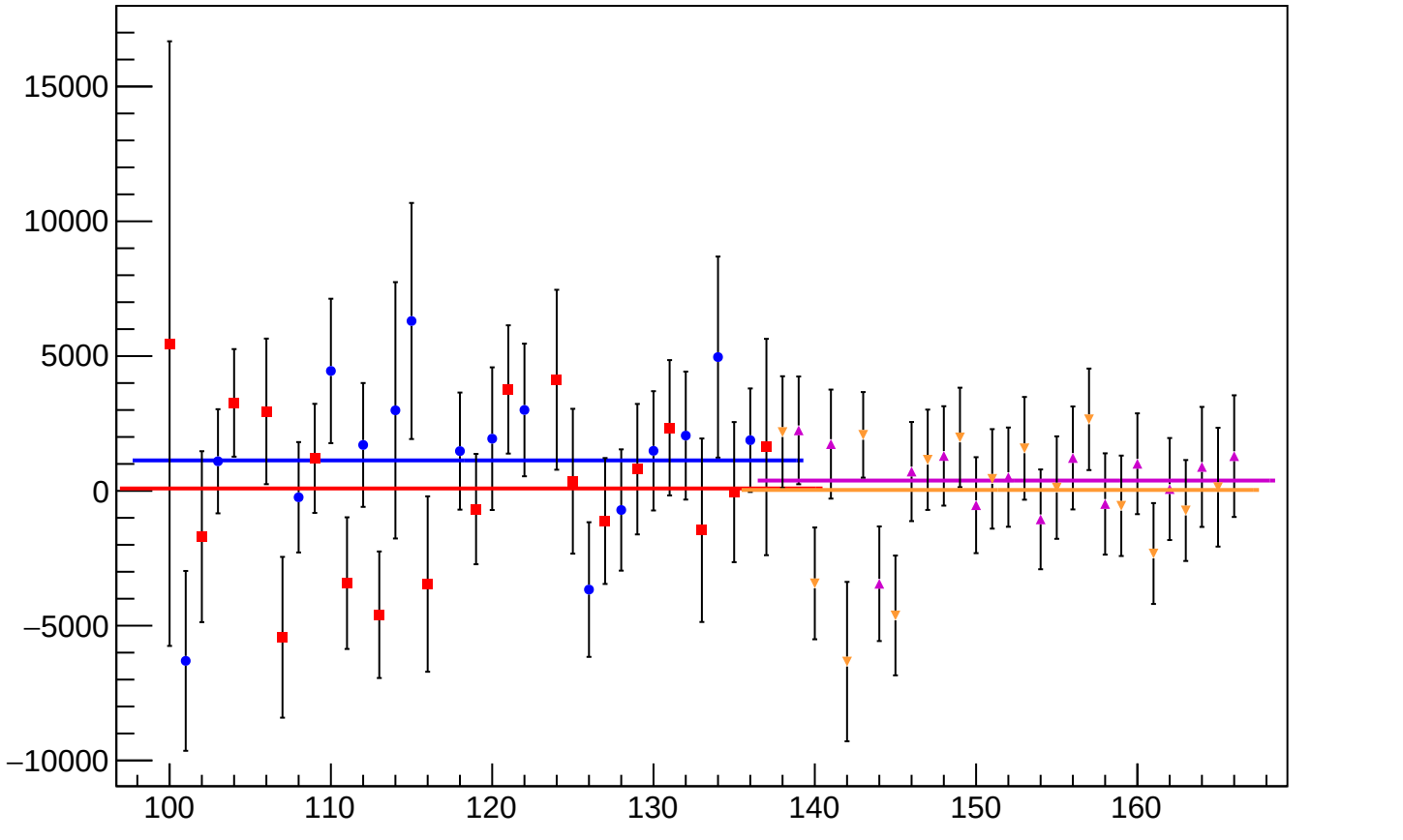
Left: 979.471+/-0.146 χ^2/NDF: 1518565.5/28

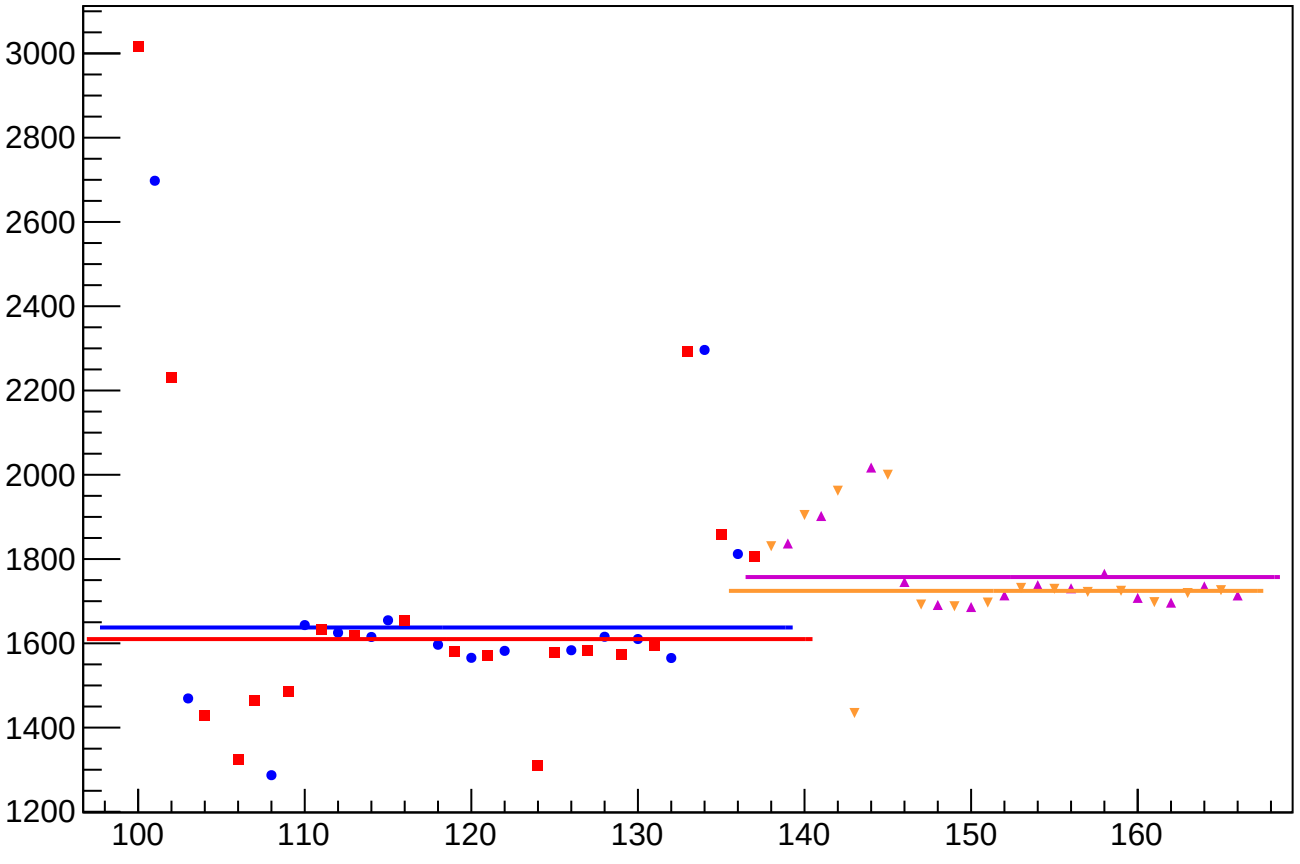
Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1063.643+/-0.182 χ^2/NDF:3028452.3/29

Out: 1066.653+/-0.183 χ^2/NDF:4038600.3/33

All: 1065.140+/-0.129 χ^2/NDF: 7067189.2/63


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 33.894+/-502.887 χ²/NDF:20.5/14
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 383.396+/-517.775 χ²/NDF:6.5/13
Left: 203.548+/-360.743 χ²/NDF: 27.2/28
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 692.072+/-396.685 χ²/NDF:22.3/29
Out: 56.588+/-386.225 χ²/NDF:41.2/33
All: 365.841+/-276.727 χ²/NDF: 64.8/63



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132941.6/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1757.273+/-0.366 χ^2/NDF:55352.7/13

Left: 1740.408+/-0.255 χ^2/NDF: 192418.0/28

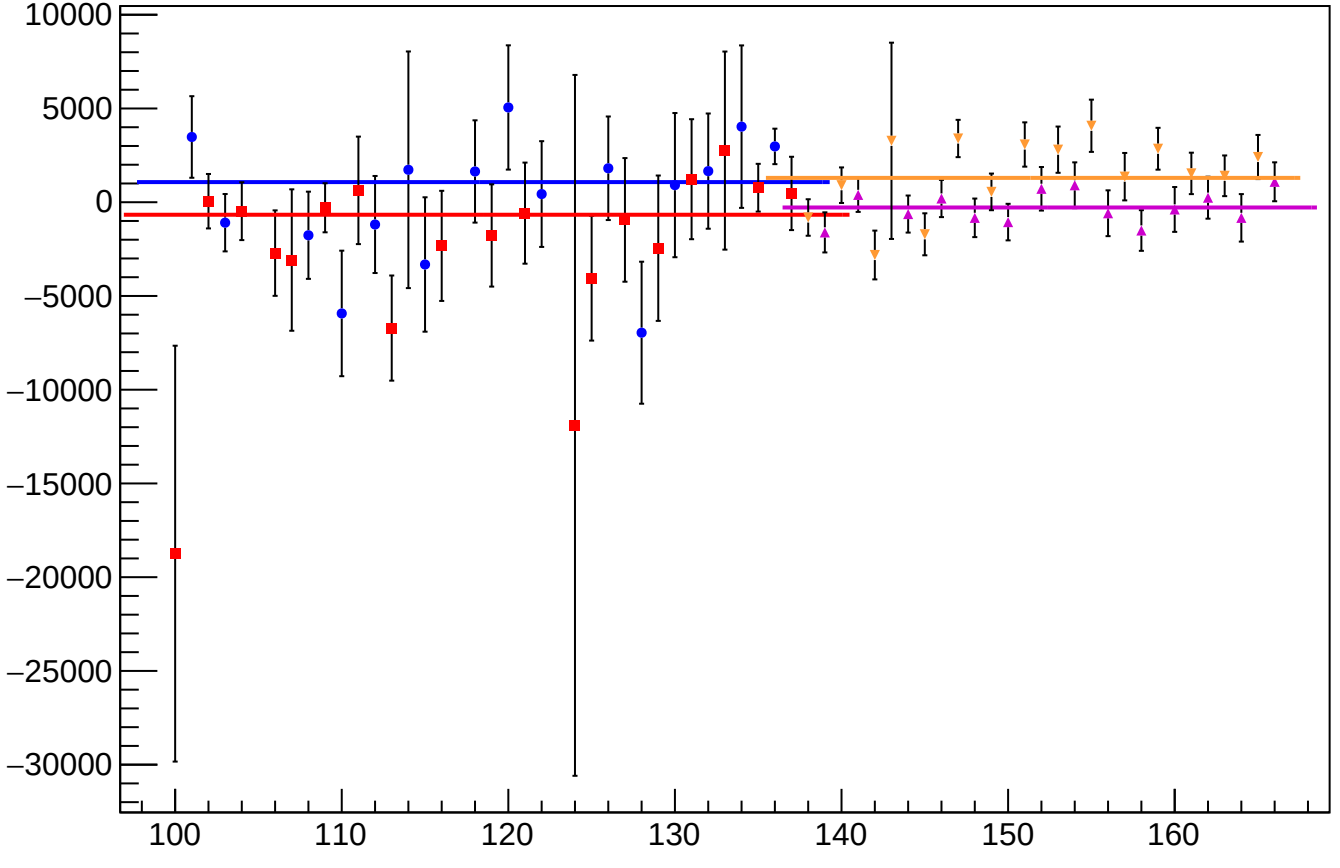
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.833+/-0.280 χ^2/NDF:460918.5/29

Out: 1677.554+/-0.273 χ^2/NDF:456246.1/33

All: 1692.289+/-0.196 χ^2/NDF: 923146.3/63

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1298.228+/-296.748 χ^2/NDF:37.9/14

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -280.880+/-287.483 χ^2/NDF:8.6/13

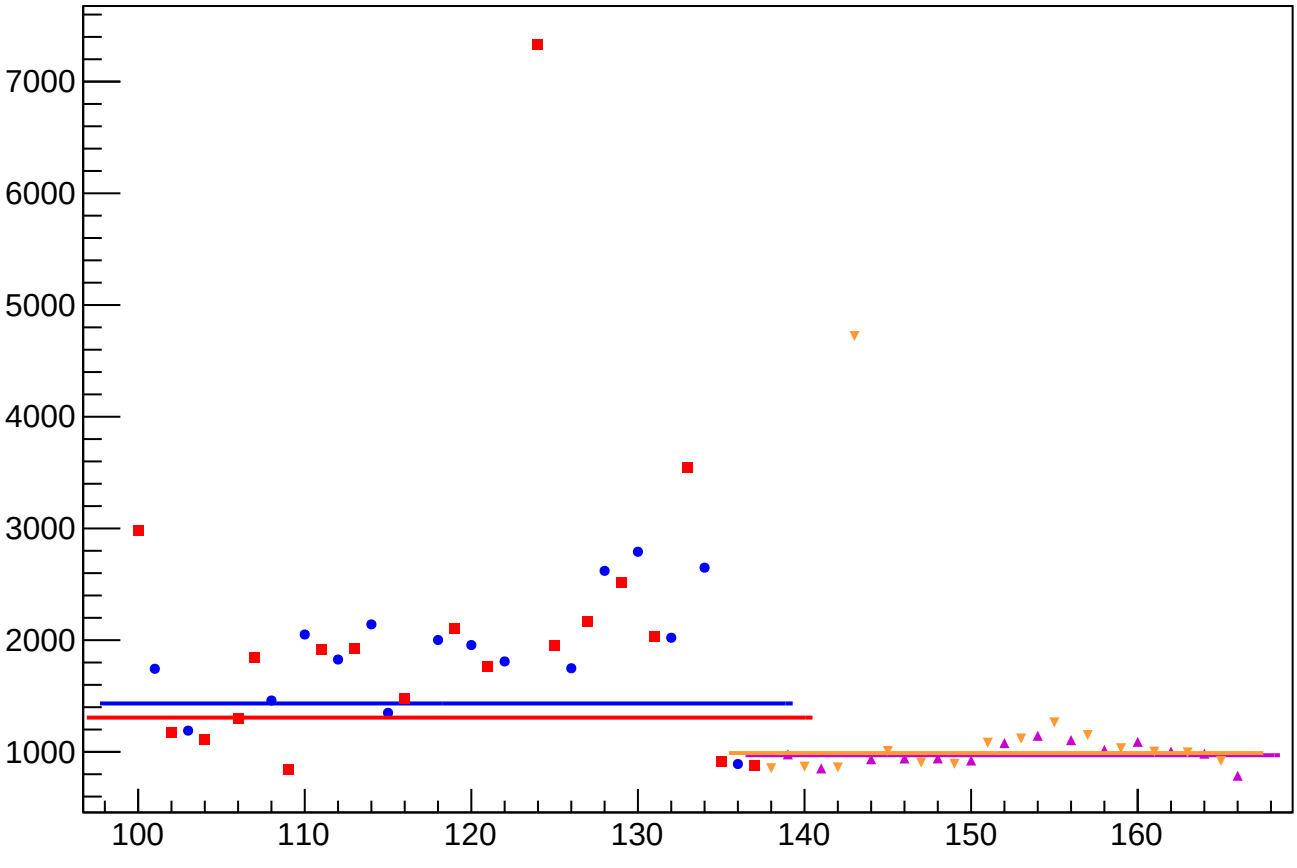
Left: 483.640+/-206.479 χ^2/NDF: 61.1/28

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

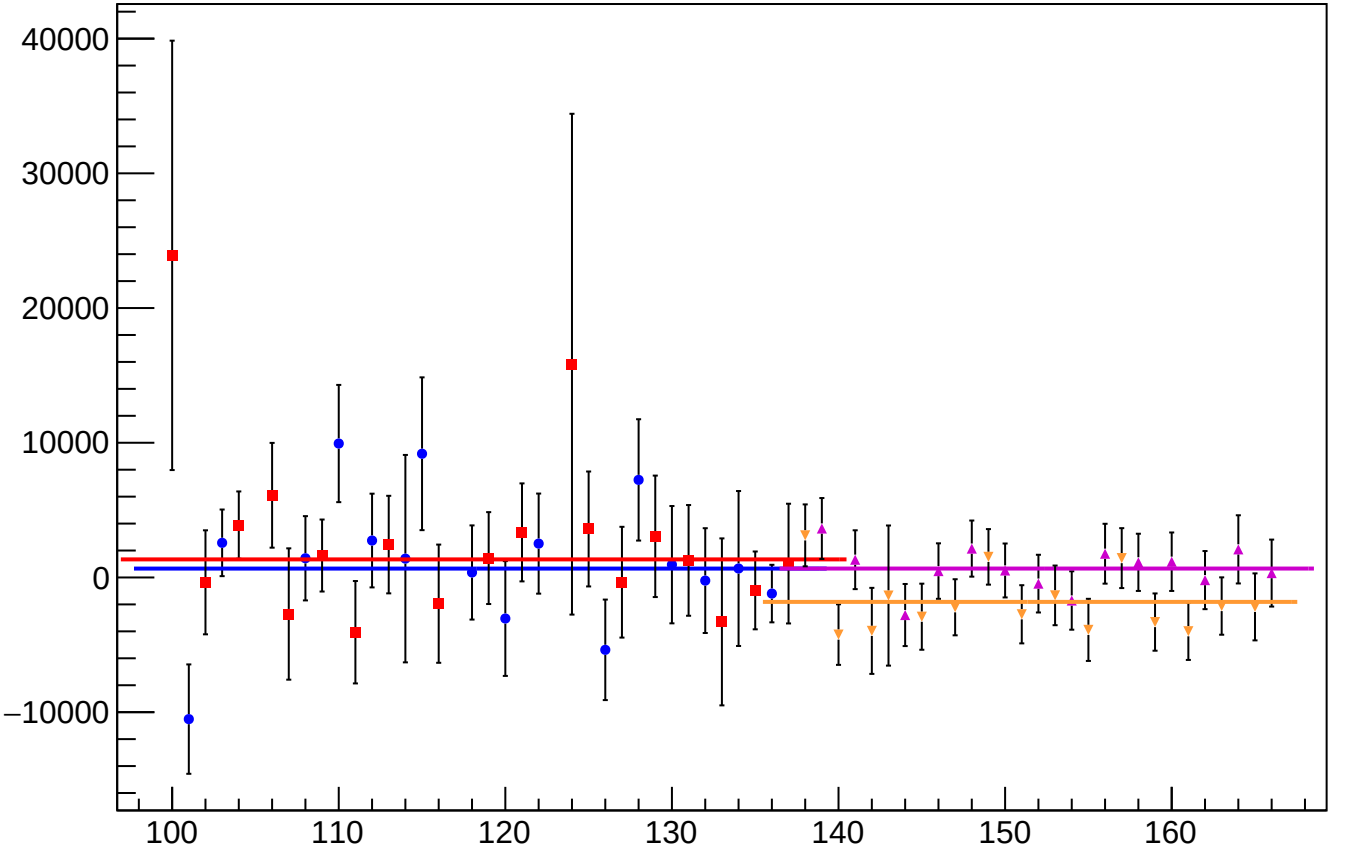
In: -7.442+/-256.831 χ^2/NDF:35.1/29

Out: 820.100+/-258.154 χ^2/NDF:62.1/33

All: 404.203+/-182.073 χ^2/NDF: 102.4/63


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 989.463+/-0.210 χ²/NDF:1298195.5/14
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 970.095+/-0.203 χ²/NDF:215956.6/13
Left: 979.472+/-0.146 χ²/NDF: 1518547.0/28
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1063.645+/-0.182 χ²/NDF:3028416.3/29
Out: 1066.658+/-0.183 χ²/NDF:4038537.6/33
All: 1065.144+/-0.129 χ²/NDF: 7067090.7/63

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1812.998+/-598.963 χ^2/NDF:13.9/14

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 661.702+/-586.260 χ^2/NDF:6.9/13

Left: -549.127+/-418.967 χ^2/NDF: 29.5/28

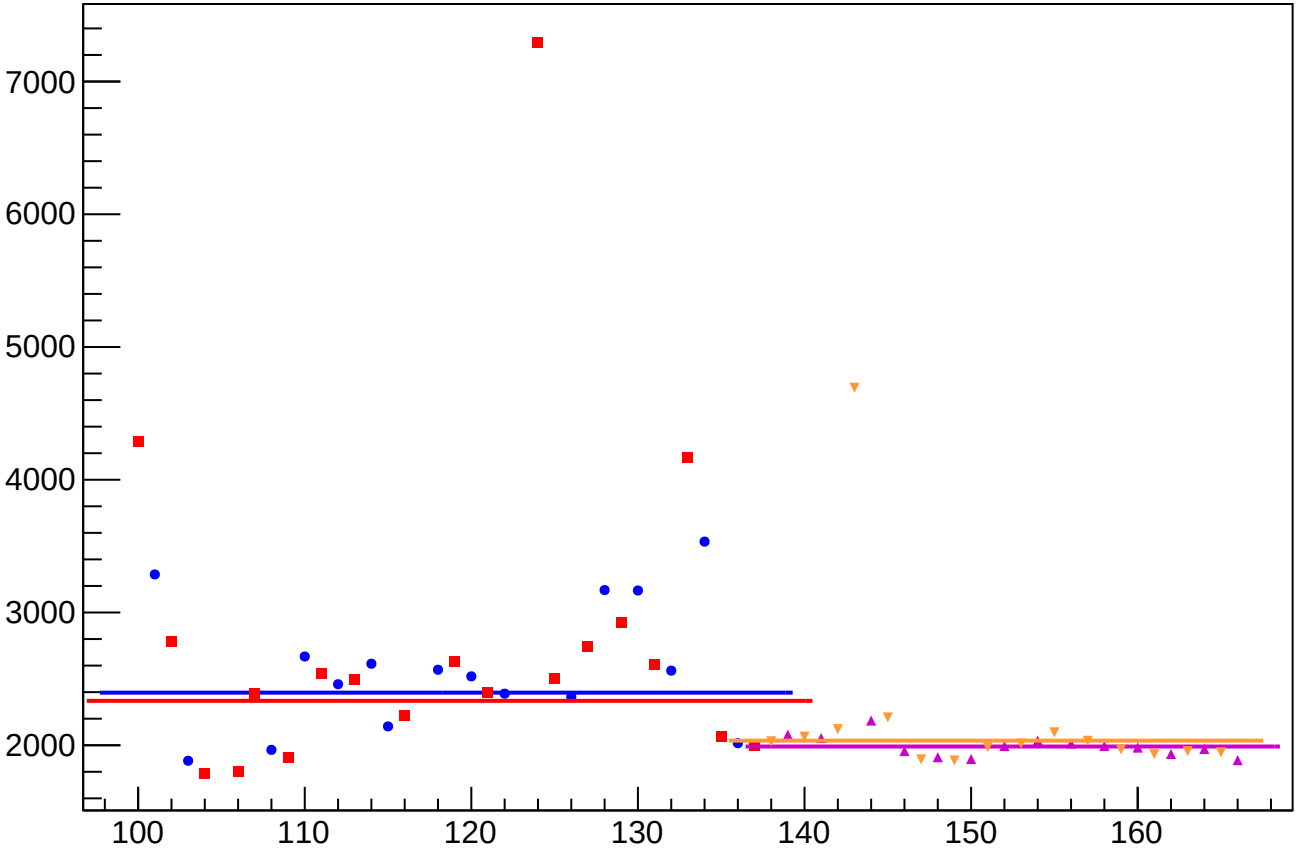
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 661.043+/-492.770 χ^2/NDF:28.9/29

Out: -830.365+/-497.012 χ^2/NDF:33.3/33

All: -78.269+/-349.931 χ^2/NDF: 66.8/63

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2034.620+/-0.424 χ^2/NDF:568953.7/14

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1990.485+/-0.415 χ^2/NDF:33203.3/13

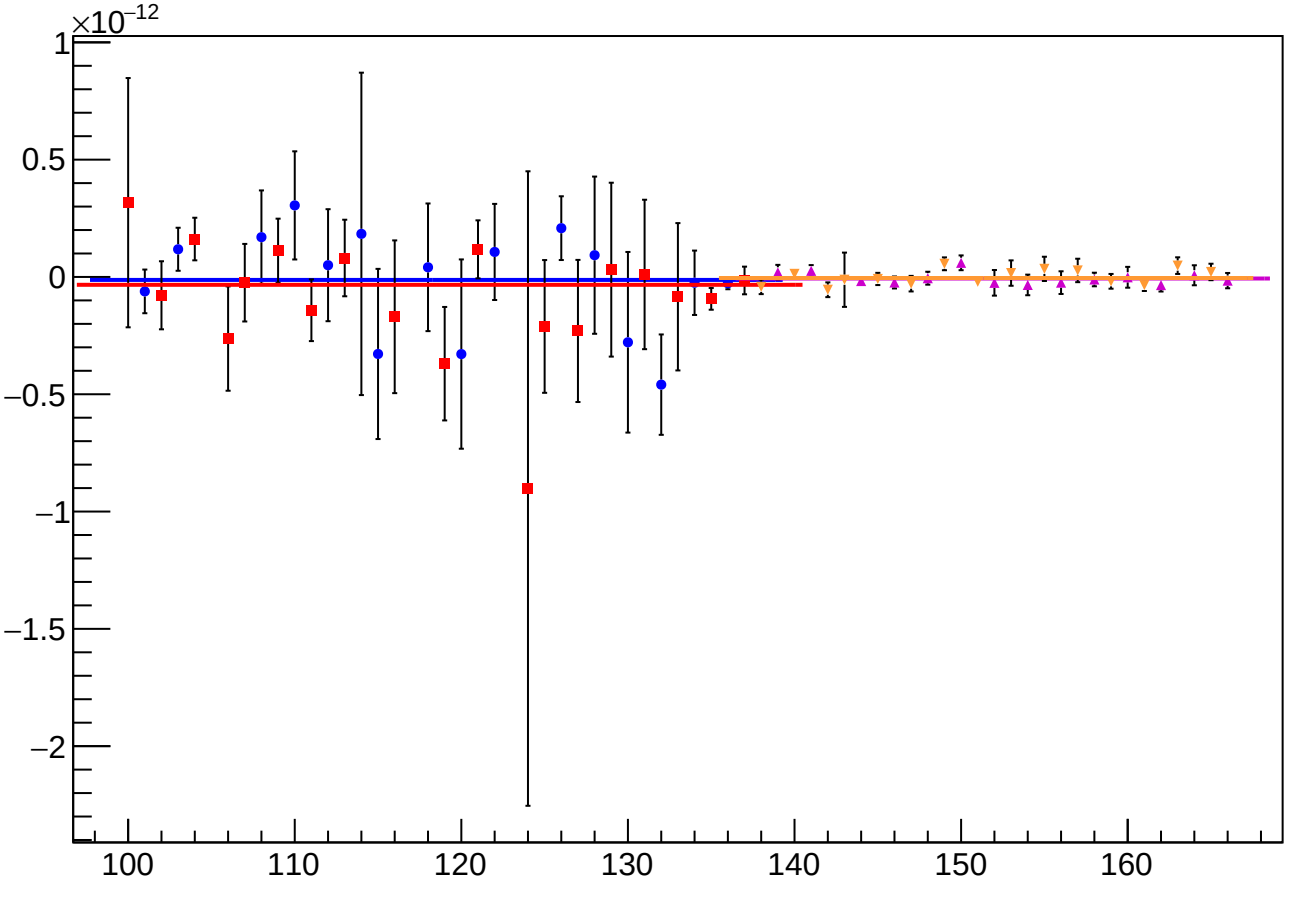
Left: 2012.079+/-0.296 χ^2/NDF: 607702.8/28

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2109.587+/-0.348 χ^2/NDF:822336.4/29

Out: 2128.048+/-0.351 χ^2/NDF:1406761.6/33

All: 2118.739+/-0.247 χ^2/NDF: 2230489.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/13

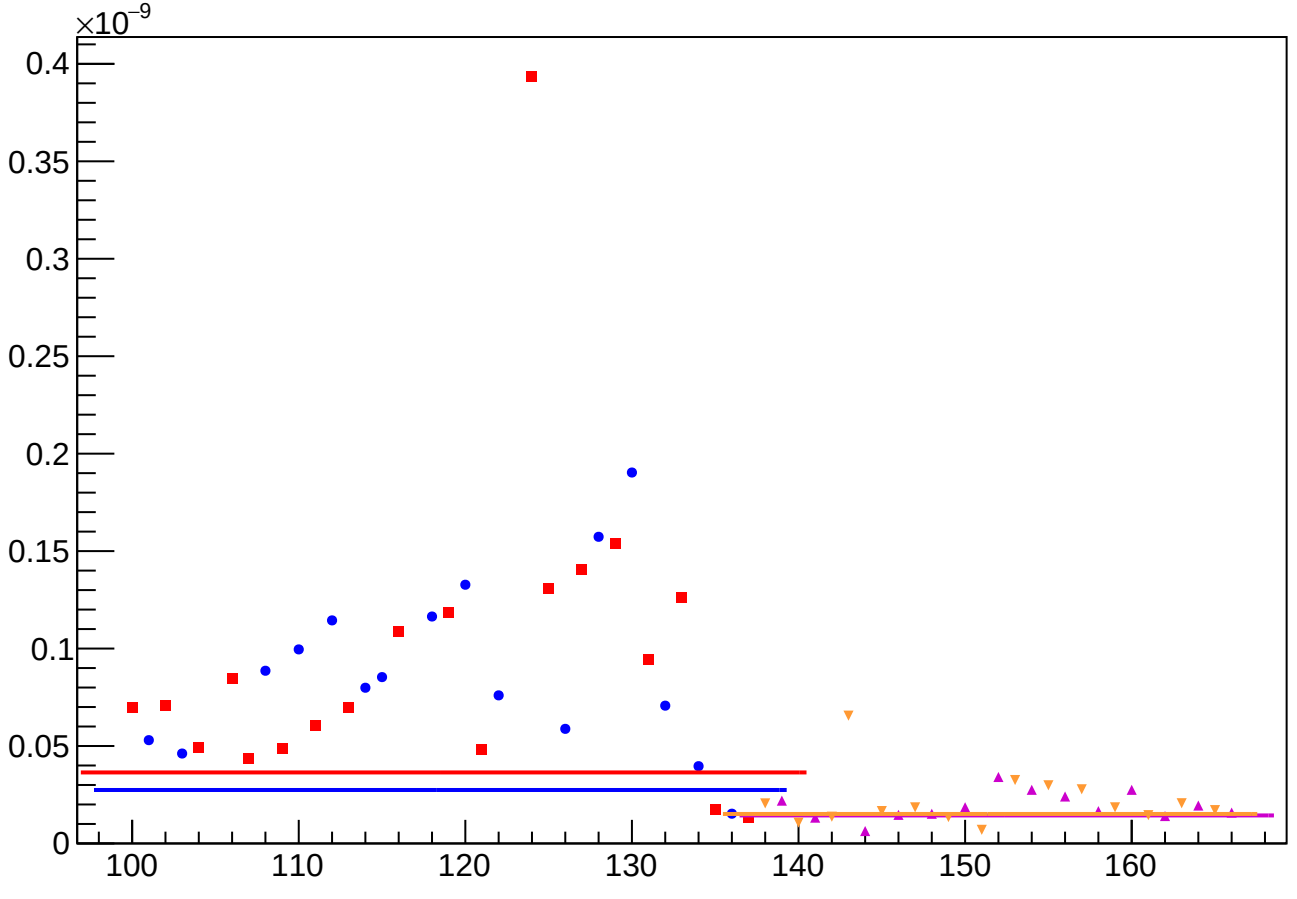
Left: -0.000+/-0.000 χ^2/NDF: 26.6/28

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:24.8/29

Out: -0.000+/-0.000 χ^2/NDF:32.8/33

All: -0.000+/-0.000 χ^2/NDF: 57.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1551027.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1570901.0/13

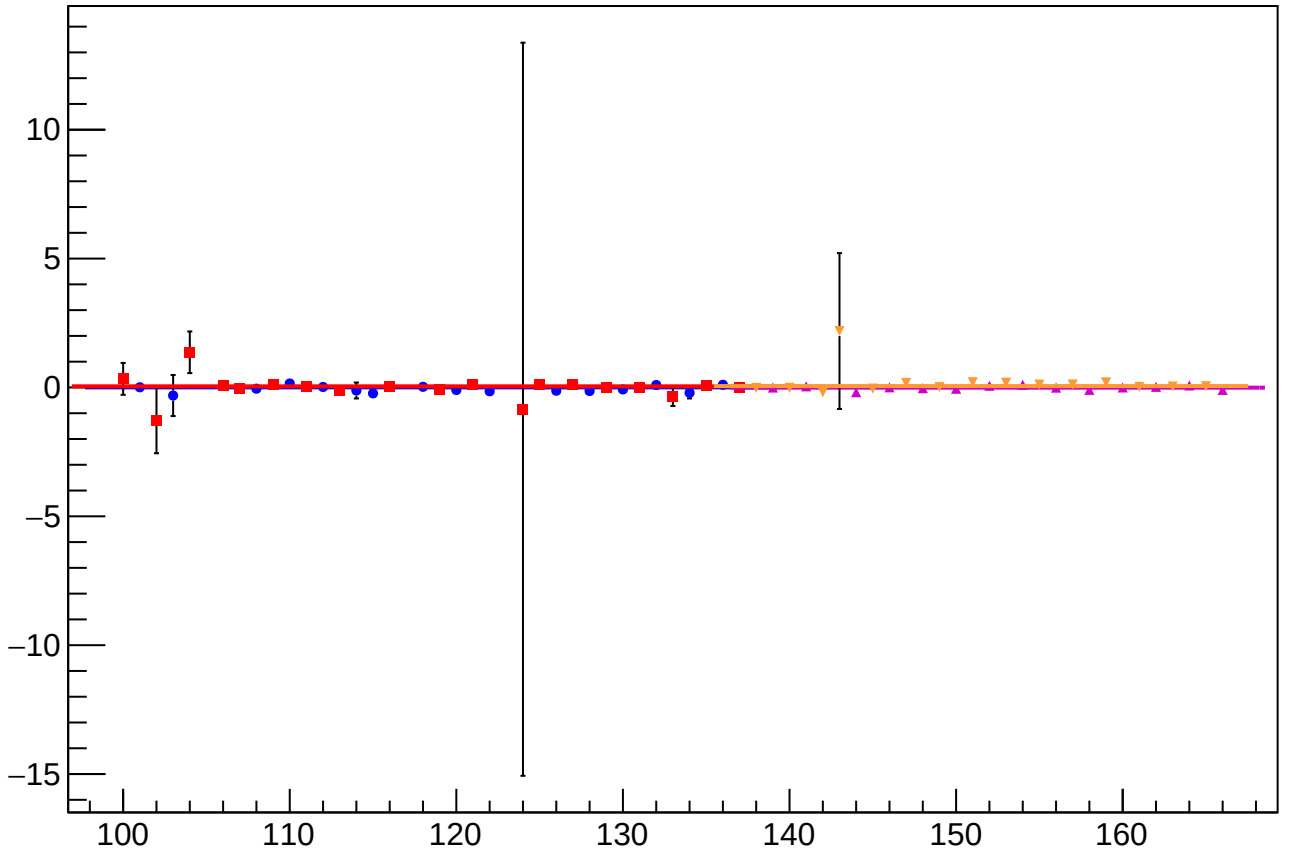
Left: 0.000+/-0.000 χ^2/NDF: 3131647.9/28

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4919850.5/29

Out: 0.000+/-0.000 χ^2/NDF:5071134.4/33

All: 0.000+/-0.000 χ^2/NDF: 10006106.5/63



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

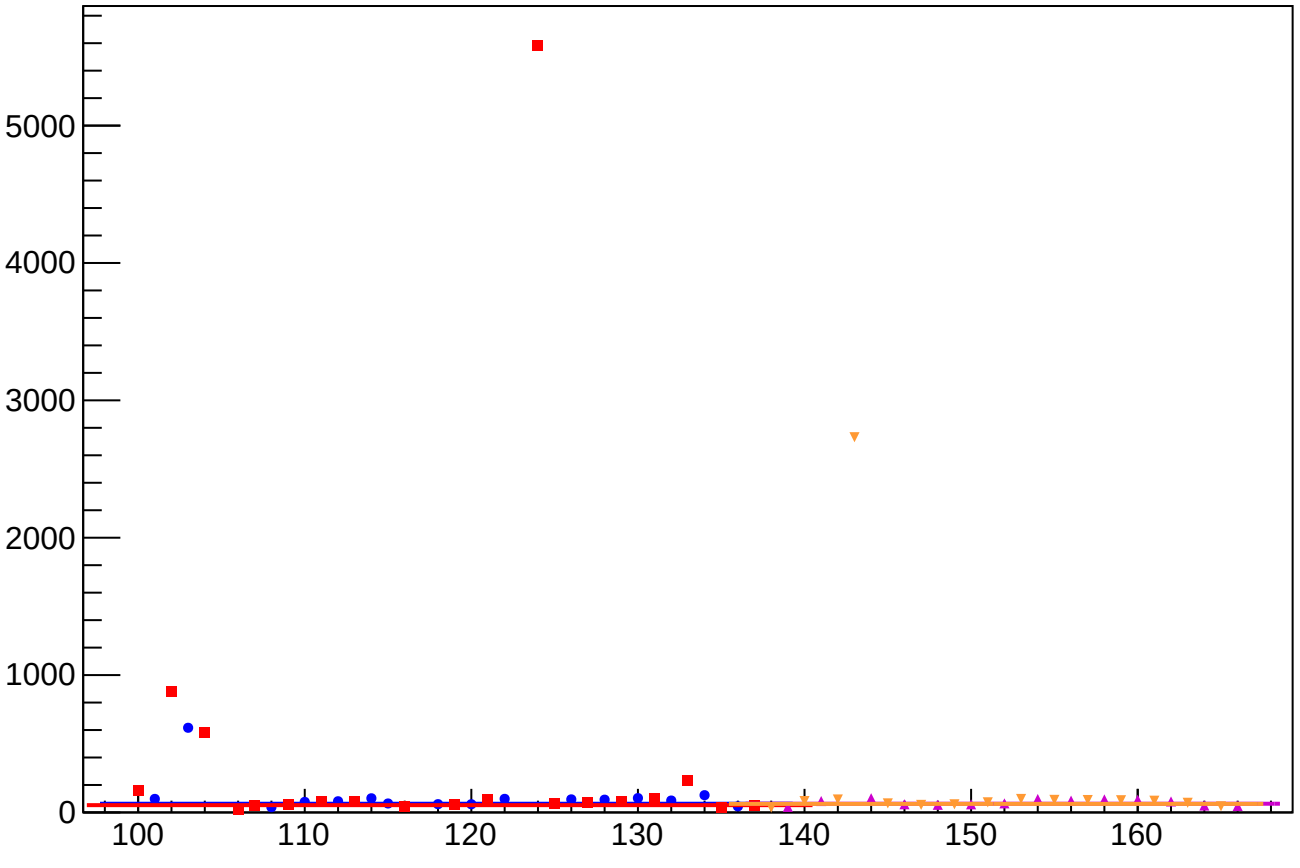
Left: 0.023+/-0.015 χ^2/NDF: 33.0/28

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.024+/-0.011 χ^2/NDF: 60.1/63



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.342+/-0.015 χ^2/NDF:3563713.5/14

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 63.546+/-0.015 χ^2/NDF:1740589.6/13

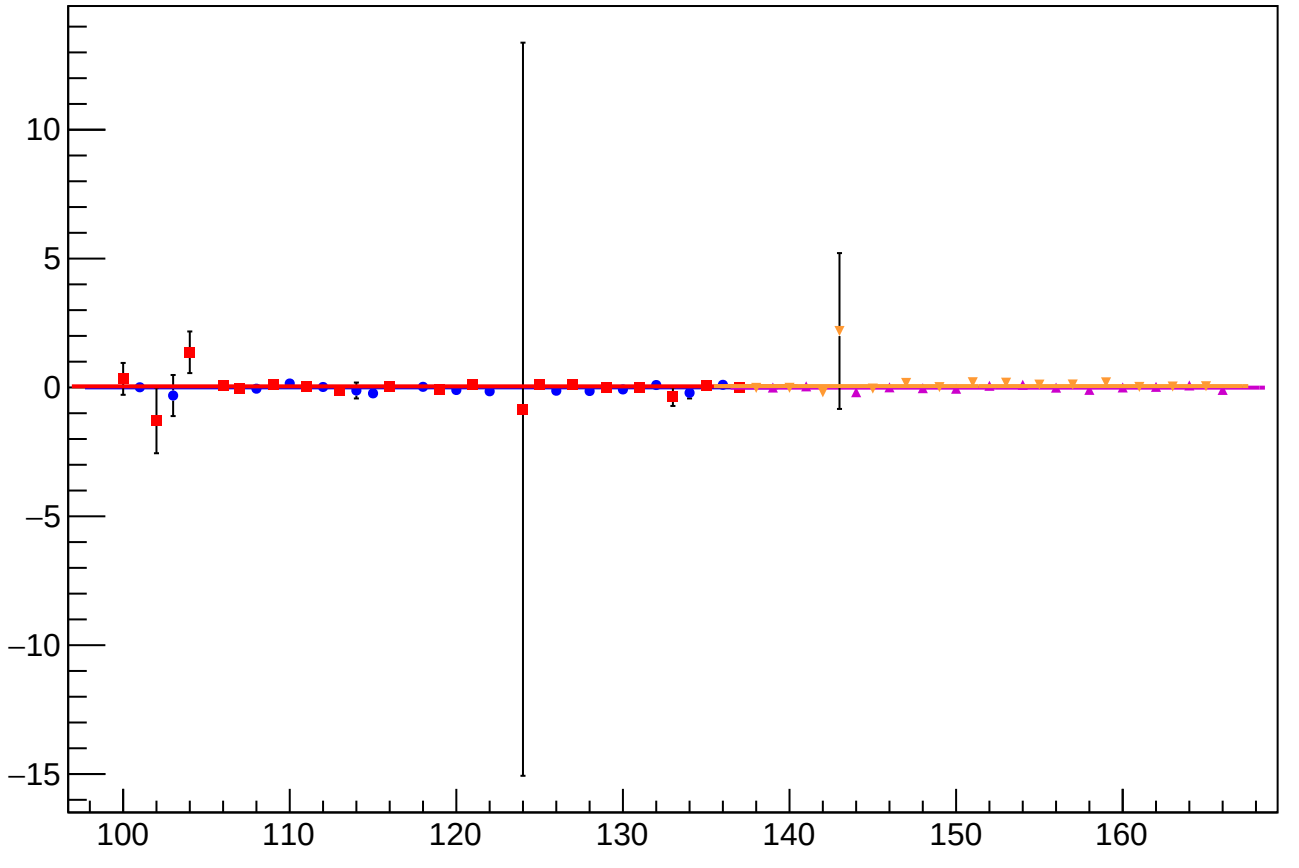
Left: 62.949+/-0.010 χ^2/NDF: 5307720.4/28

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.513+/-0.012 χ^2/NDF:4185859.4/29

Out: 58.604+/-0.011 χ^2/NDF:7669363.4/33

All: 60.982+/-0.008 χ^2/NDF: 11947749.0/63



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.023+/-0.015 χ^2/NDF: 33.0/28

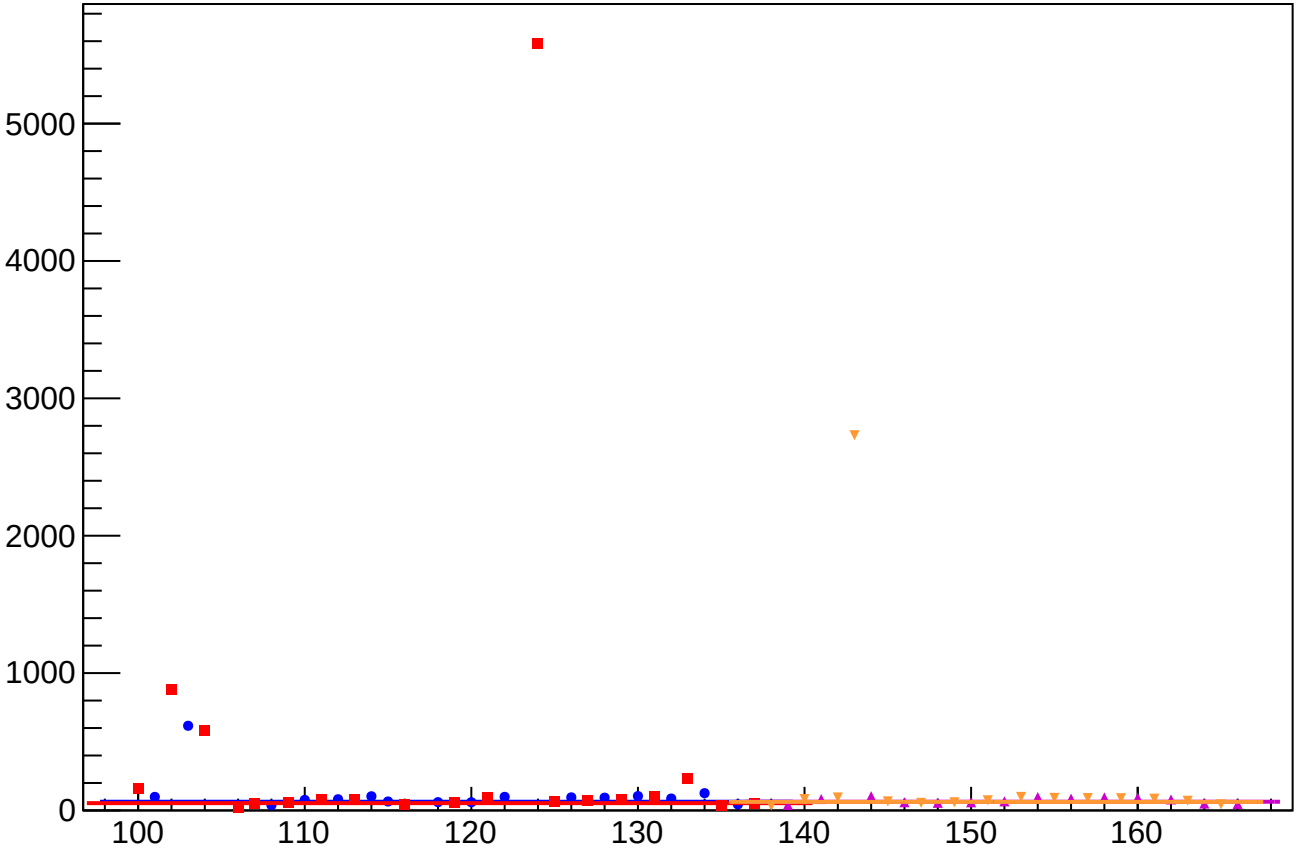
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.024+/-0.011 χ^2/NDF: 60.1/63

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.342+/-0.015 χ^2/NDF:3563713.5/14

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 63.546+/-0.015 χ^2/NDF:1740589.6/13

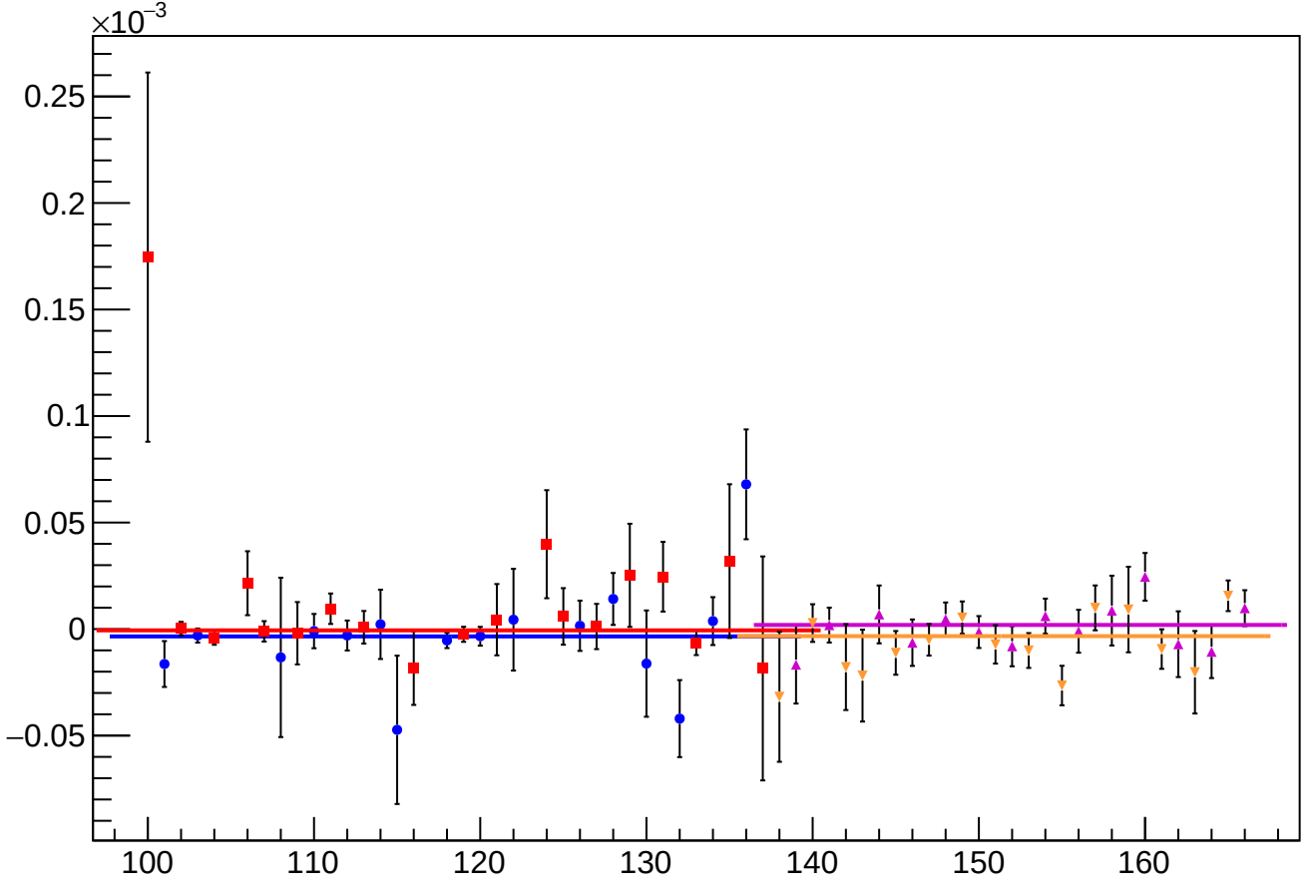
Left: 62.949+/-0.010 χ^2/NDF: 5307720.4/28

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.513+/-0.012 χ^2/NDF:4185859.4/29

Out: 58.604+/-0.011 χ^2/NDF:7669363.4/33

All: 60.982+/-0.008 χ^2/NDF: 11947749.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/13

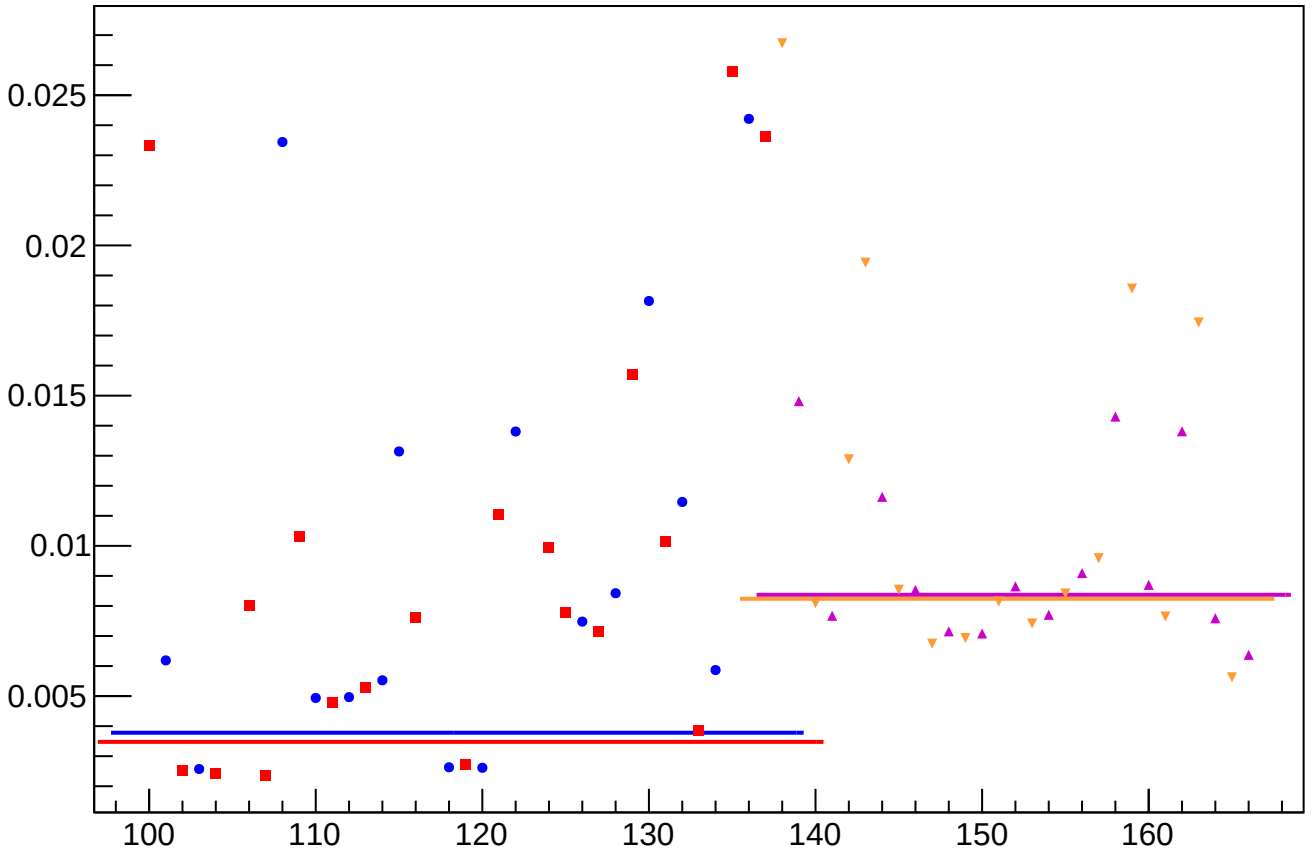
Left: -0.000+/-0.000 χ^2/NDF: 33.8/28

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:31.7/29

Out: -0.000+/-0.000 χ^2/NDF:41.7/33

All: -0.000+/-0.000 χ^2/NDF: 73.5/63



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2827099.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:1144809.0/13

Left: 0.008+/-0.000 χ^2/NDF: 3974411.0/28

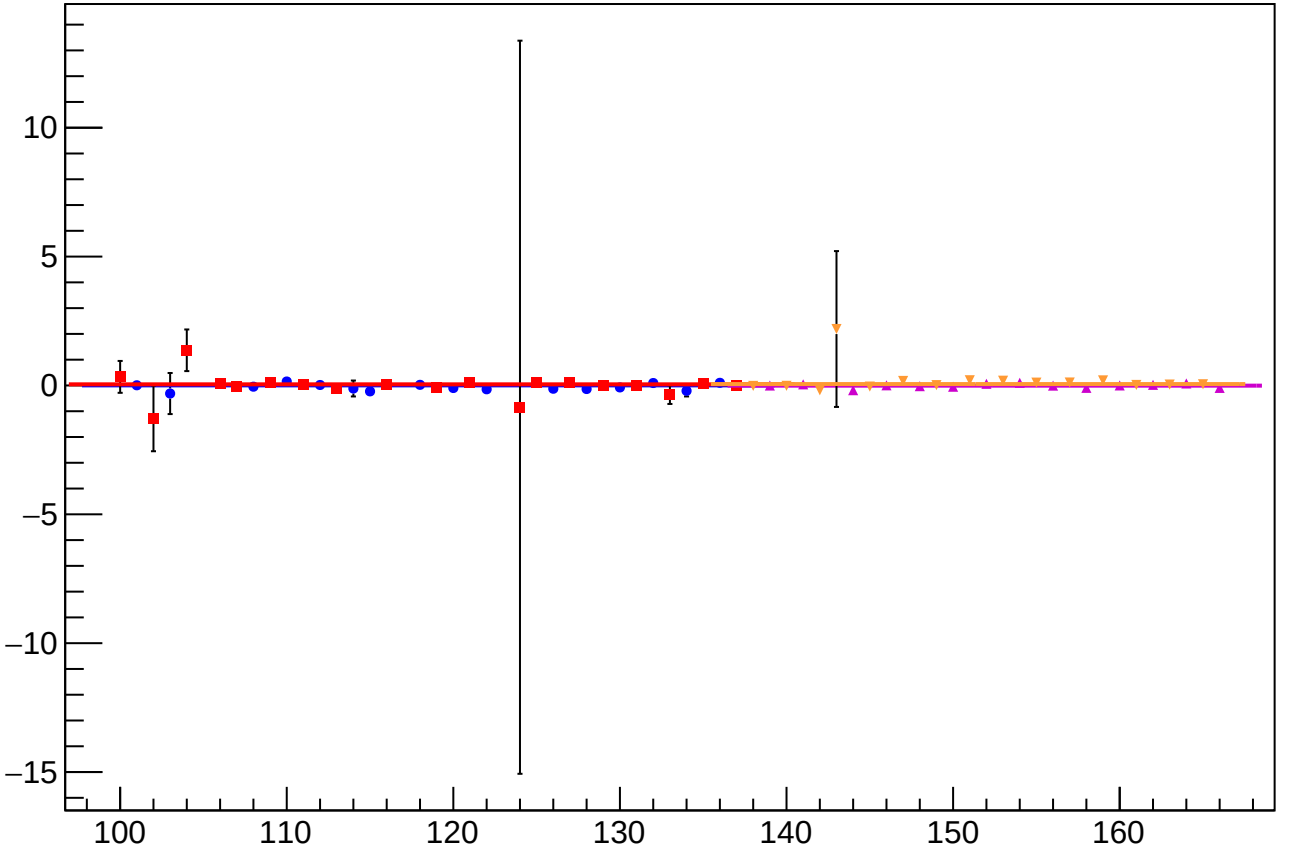
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9856589.9/29

Out: 0.005+/-0.000 χ^2/NDF:12272818.3/33

All: 0.005+/-0.000 χ^2/NDF: 22260624.4/63

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.023+/-0.015 χ^2/NDF: 33.0/28

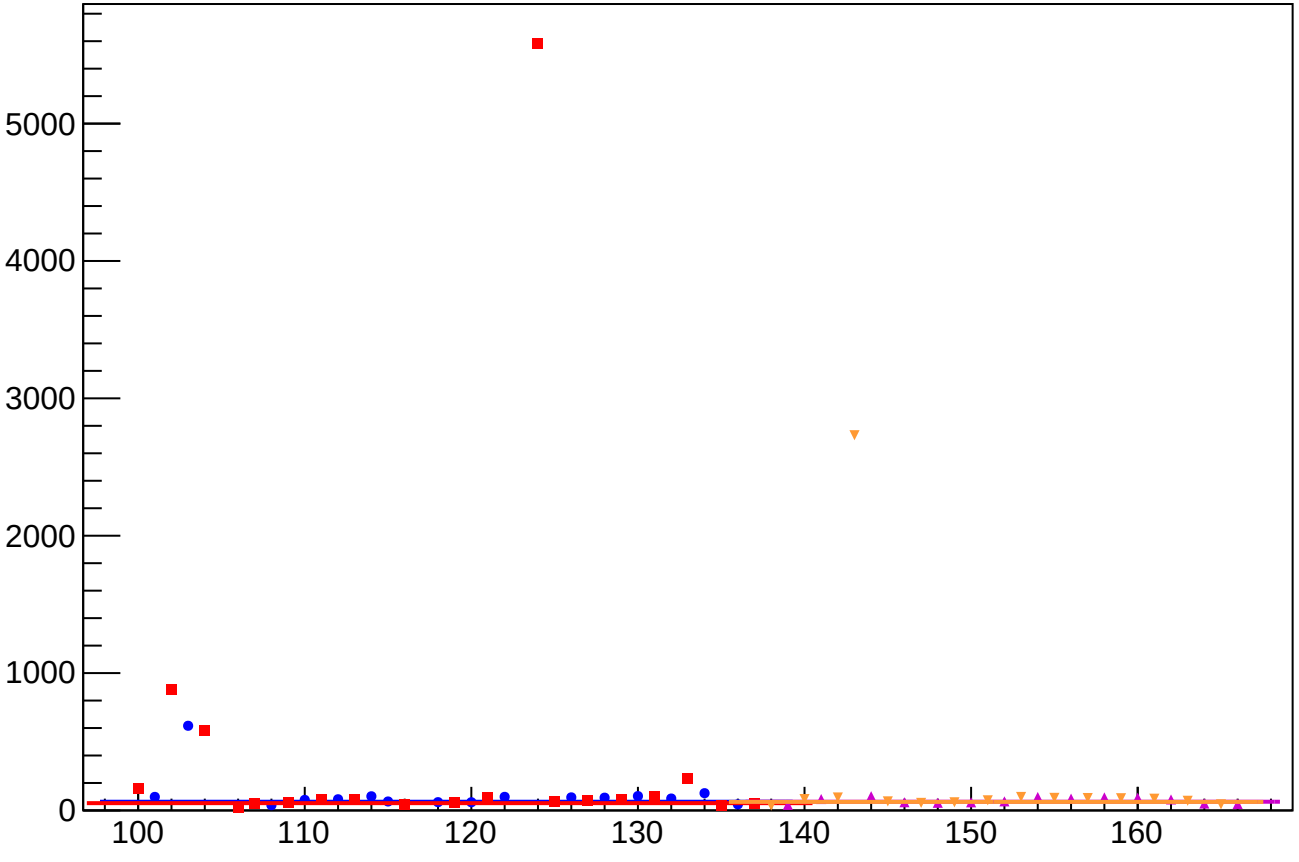
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.024+/-0.011 χ^2/NDF: 60.2/63

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.340+/-0.015 χ^2/NDF:3563646.2/14

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 63.549+/-0.015 χ^2/NDF:1740118.2/13

Left: 62.949+/-0.010 χ^2/NDF: 5307210.1/28

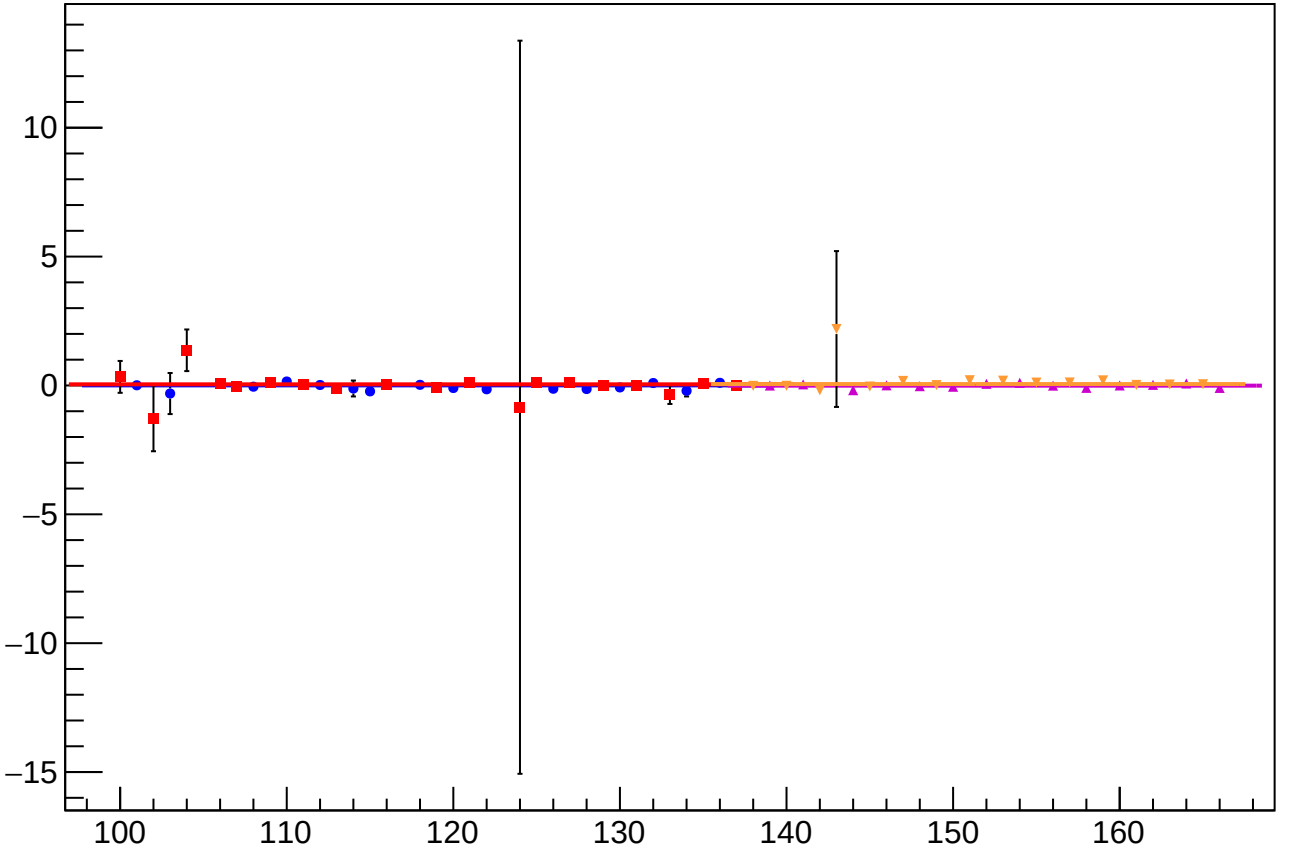
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.518+/-0.012 χ^2/NDF:4184488.2/29

Out: 58.600+/-0.011 χ^2/NDF:7669953.6/33

All: 60.983+/-0.008 χ^2/NDF: 11947287.7/63

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.021 χ^2/NDF:9.2/13

Left: 0.023+/-0.015 χ^2/NDF: 33.0/28

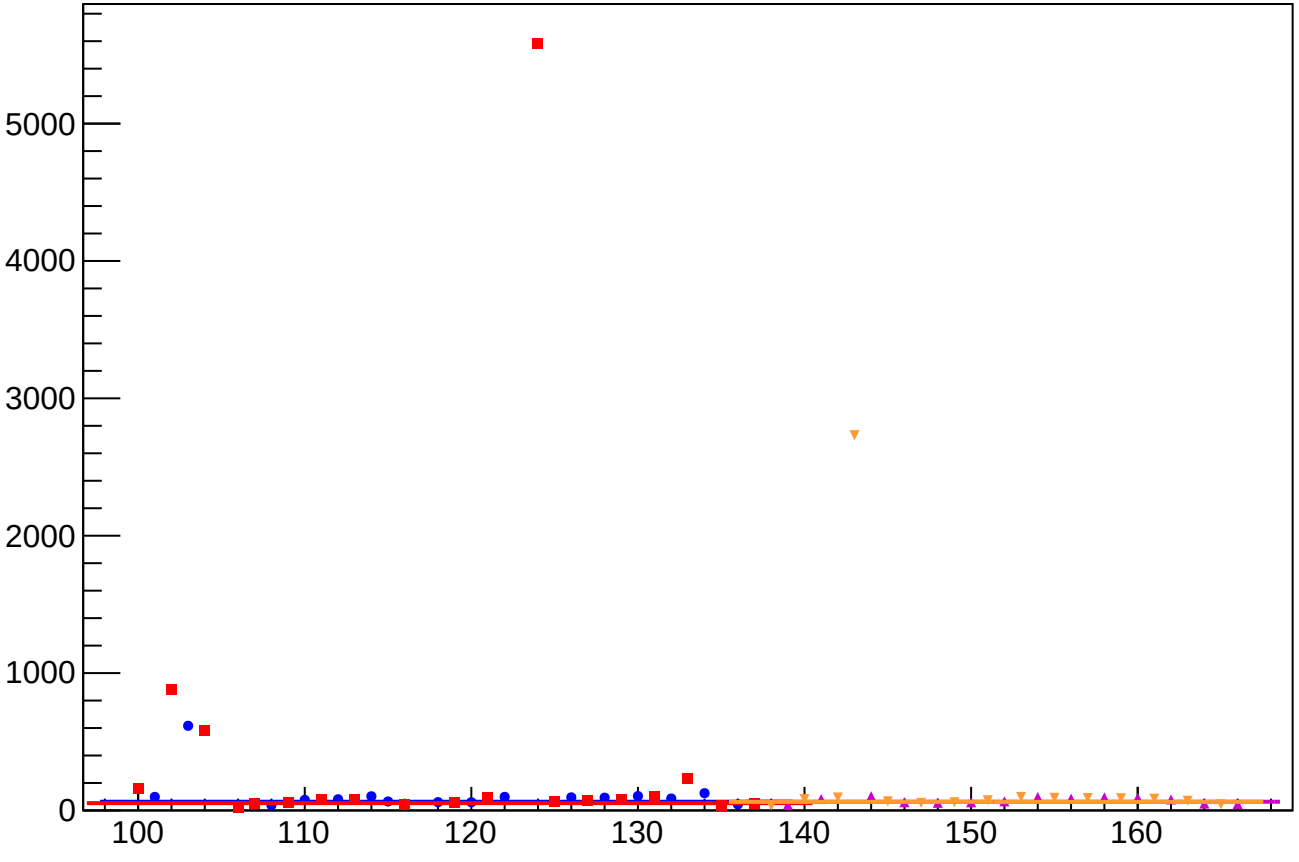
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.016 χ^2/NDF:22.6/29

Out: 0.050+/-0.016 χ^2/NDF:32.1/33

All: 0.024+/-0.011 χ^2/NDF: 60.2/63

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.340+/-0.015 χ^2/NDF:3563646.2/14

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 63.549+/-0.015 χ^2/NDF:1740118.2/13

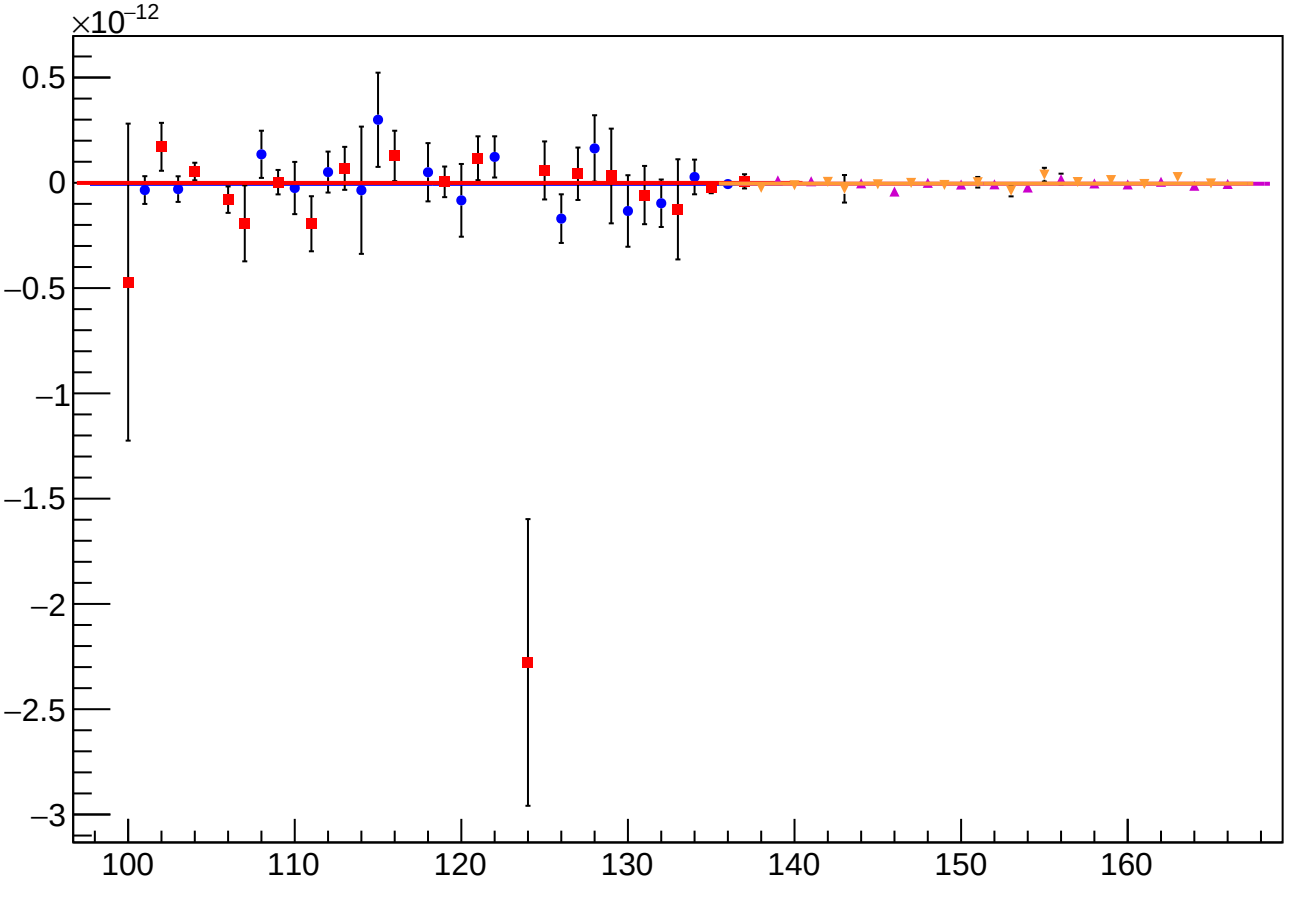
Left: 62.949+/-0.010 χ^2/NDF: 5307210.1/28

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.518+/-0.012 χ^2/NDF:4184488.2/29

Out: 58.600+/-0.011 χ^2/NDF:7669953.6/33

All: 60.983+/-0.008 χ^2/NDF: 11947287.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/13

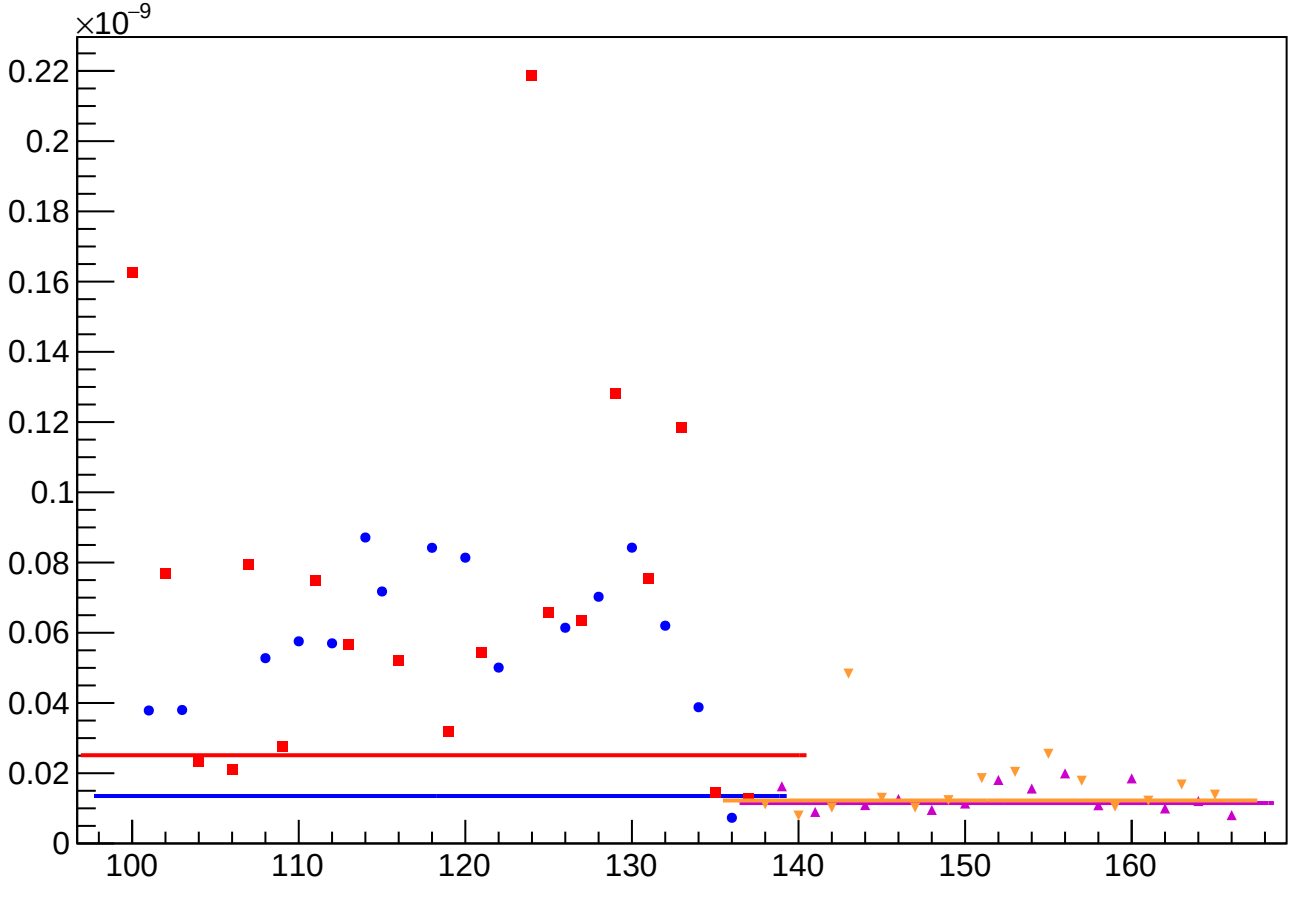
Left: -0.000+/-0.000 χ^2/NDF: 18.7/28

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/29

Out: -0.000+/-0.000 χ^2/NDF:34.7/33

All: -0.000+/-0.000 χ^2/NDF: 54.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1924284.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1043491.6/13

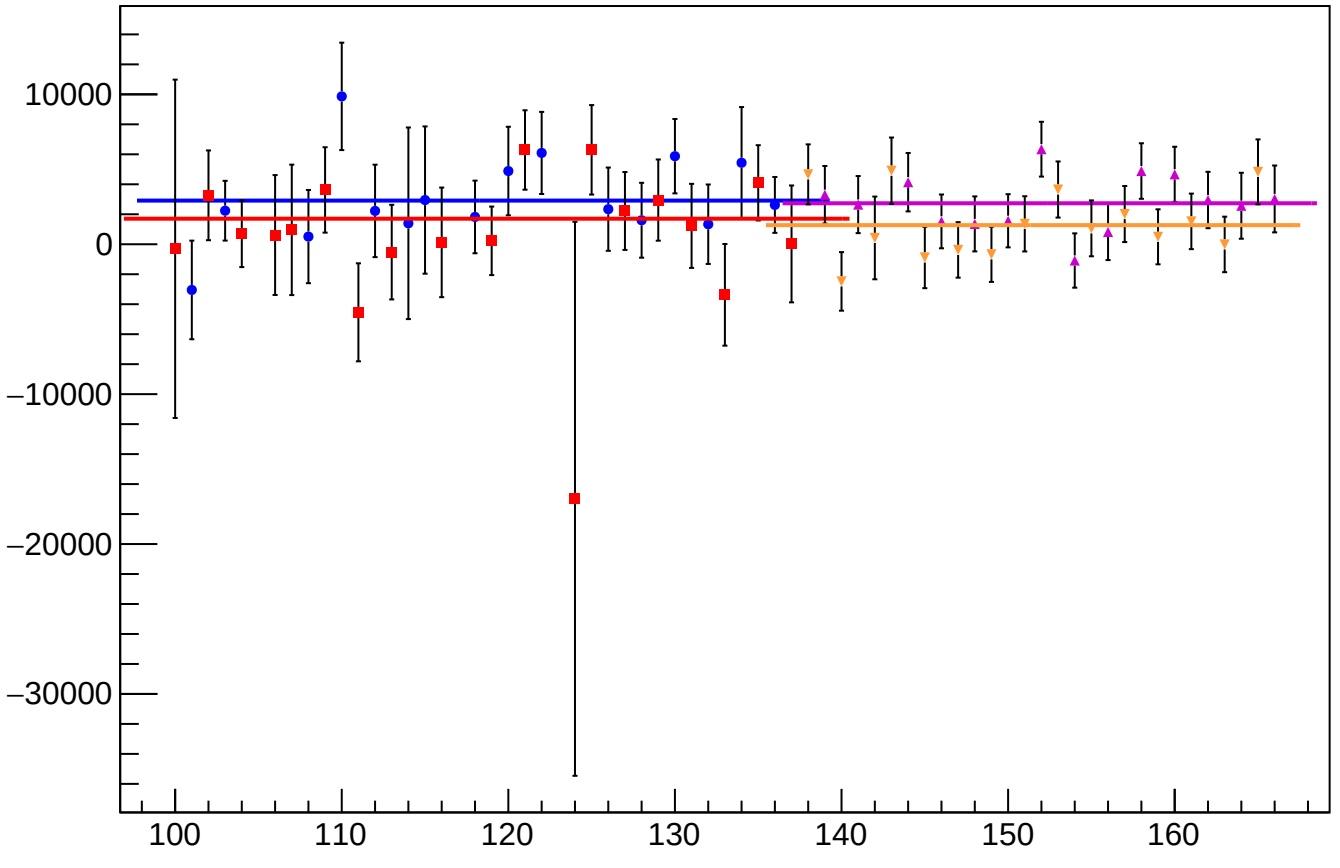
Left: 0.000+/-0.000 χ^2/NDF: 2994139.6/28

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6101045.2/29

Out: 0.000+/-0.000 χ^2/NDF:6846356.8/33

All: 0.000+/-0.000 χ^2/NDF: 13078053.7/63



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.537+/-505.064 χ^2/NDF:17.5/14

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2733.966+/-506.283 χ^2/NDF:13.9/13

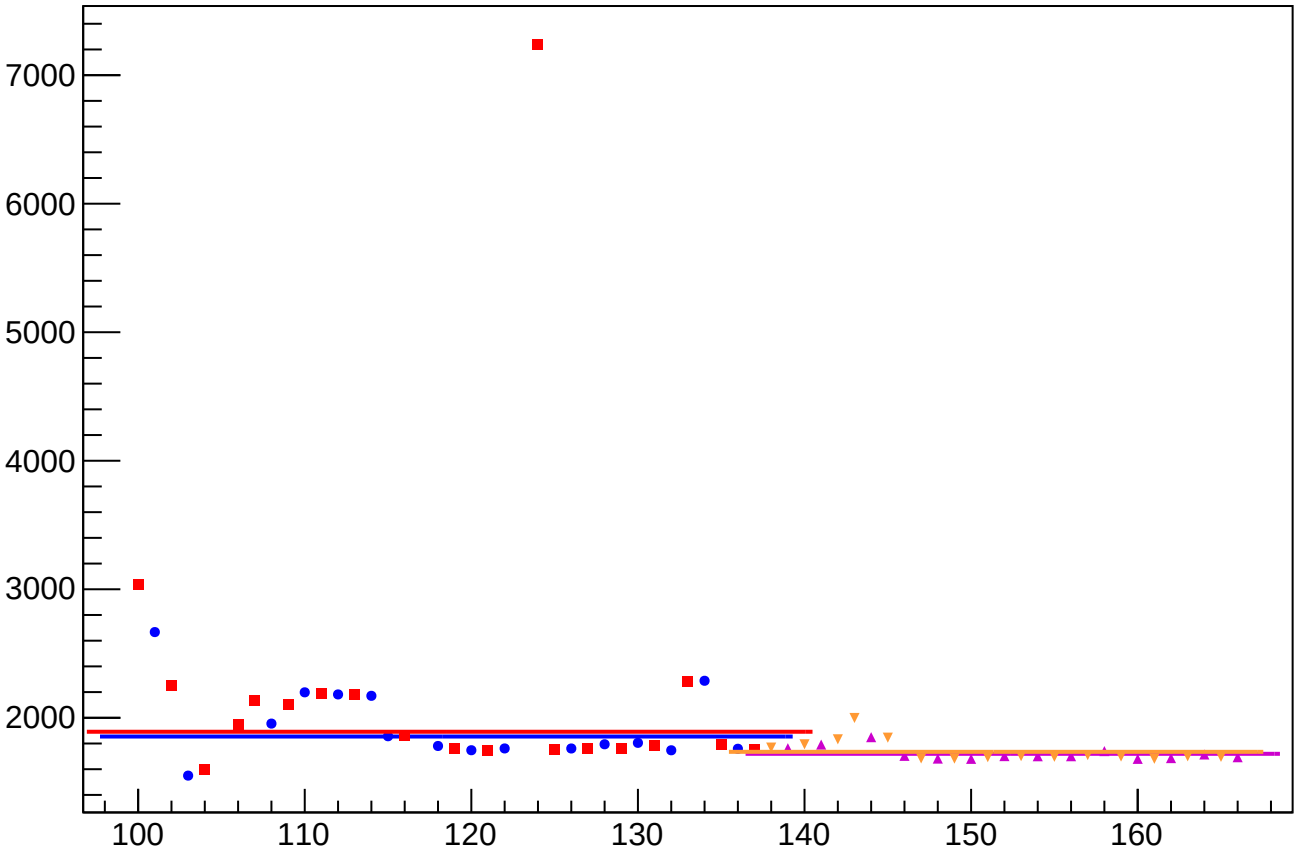
Left: 2002.494+/-357.564 χ^2/NDF: 35.6/28

Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2796.024+/-409.230 χ^2/NDF:26.4/29

Out: 1419.998+/-410.940 χ^2/NDF:33.6/33

All: 2110.881+/-289.972 χ^2/NDF: 65.6/63



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

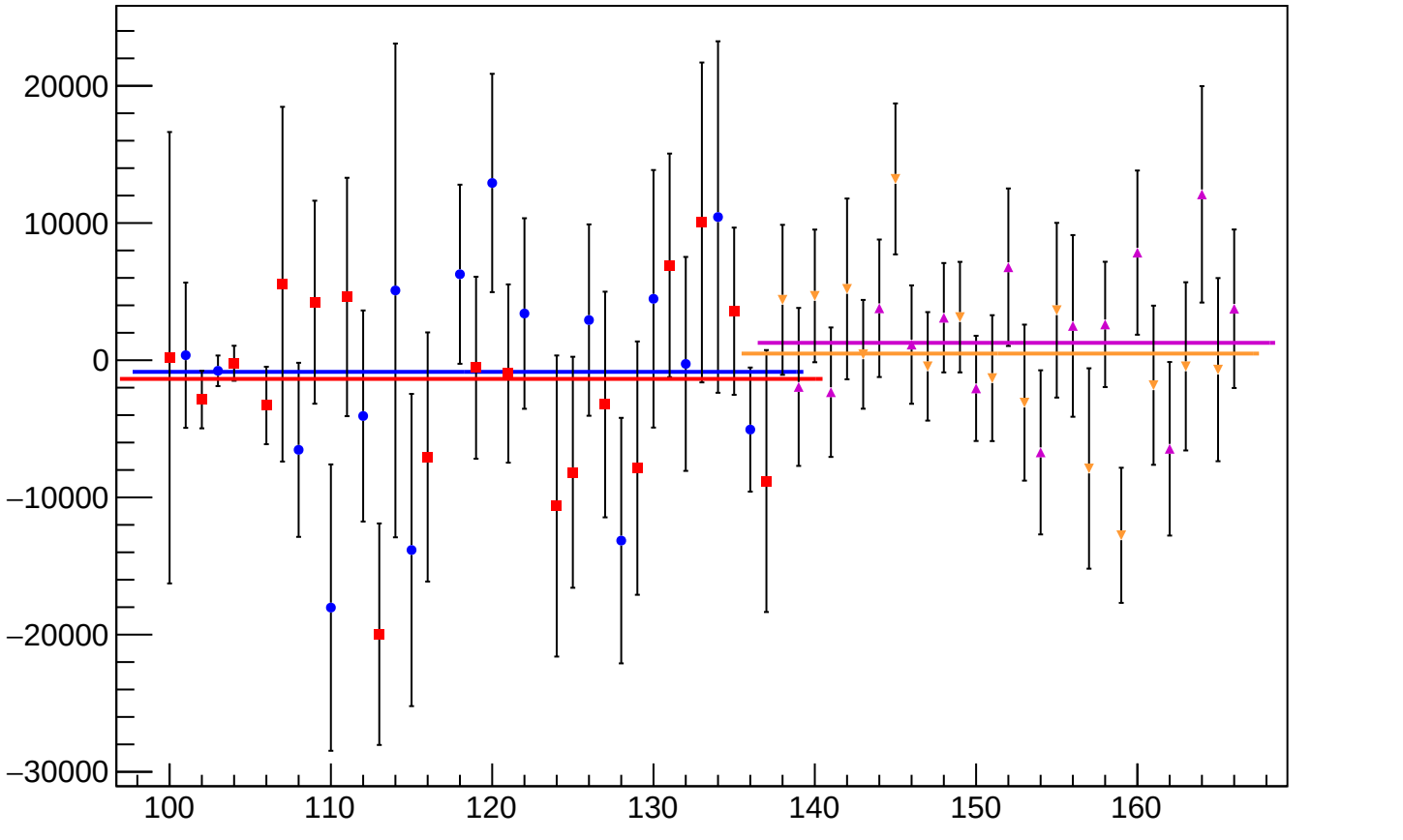
Left: 1727.523+/-0.253 χ^2/NDF: 67251.7/28

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1766.425+/-0.289 χ^2/NDF:329597.5/29

Out: 1788.189+/-0.290 χ^2/NDF:477941.7/33

All: 1777.270+/-0.205 χ^2/NDF: 810358.2/63



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 484.991+/-1332.234 χ^2/NDF:17.2/14

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 1267.362+/-1376.804 χ^2/NDF:9.7/13

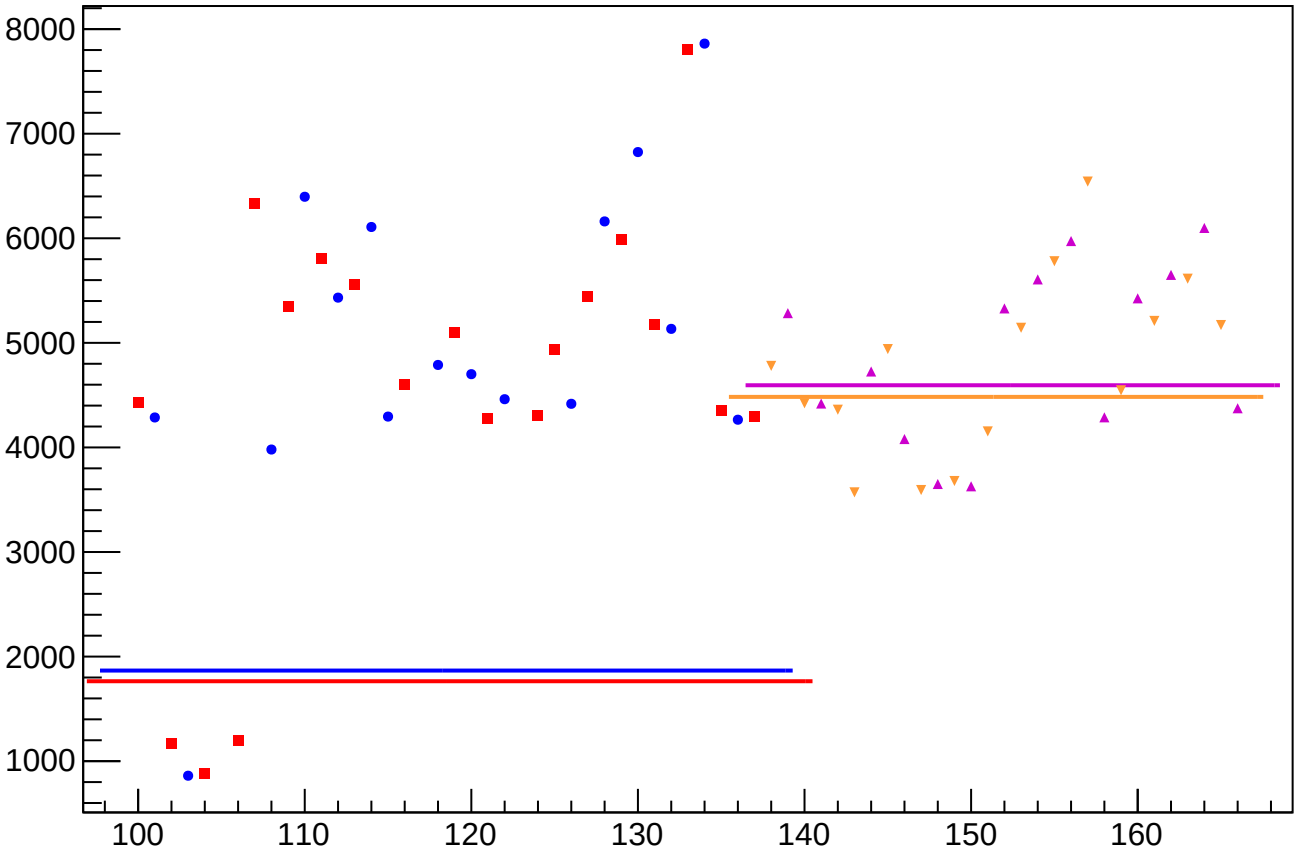
Left: 863.308+/-957.401 χ^2/NDF: 27.0/28

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -153.146+/-789.082 χ^2/NDF:25.1/29

Out: -768.863+/-754.757 χ^2/NDF:32.5/33

All: -474.687+/-545.425 χ^2/NDF: 58.0/63



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4483.341+/-0.942 χ^2/NDF:708157.7/14

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4594.580+/-0.974 χ^2/NDF:656142.3/13

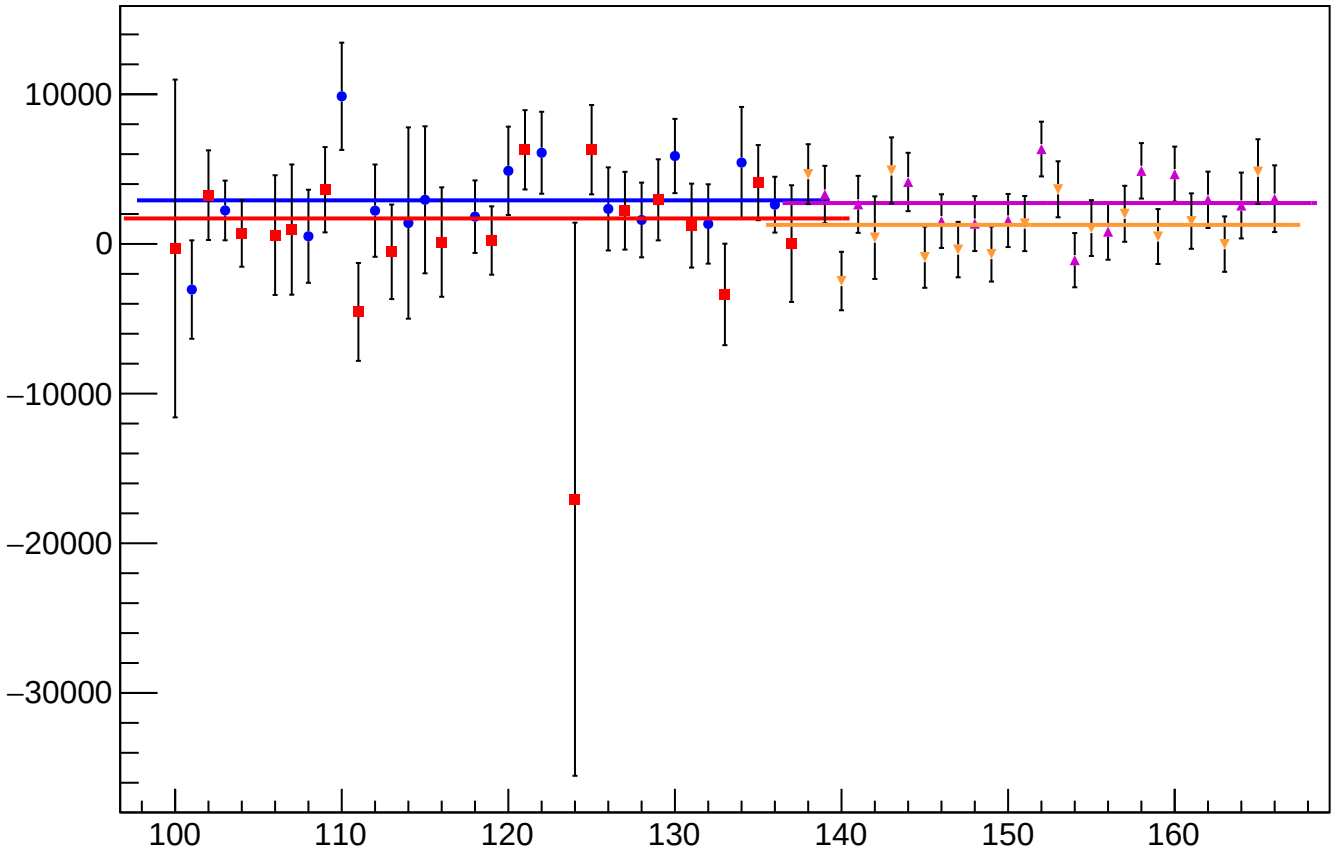
Left: 4537.131+/-0.677 χ^2/NDF: 1371042.6/28

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2762.536+/-0.558 χ^2/NDF:12779215.8/29

Out: 2636.995+/-0.534 χ^2/NDF:12800155.6/33

All: 2696.976+/-0.386 χ^2/NDF: 25605808.5/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2734.033+/-506.283 χ^2/NDF:13.9/13

Left: 2002.448+/-357.564 χ^2/NDF: 35.6/28

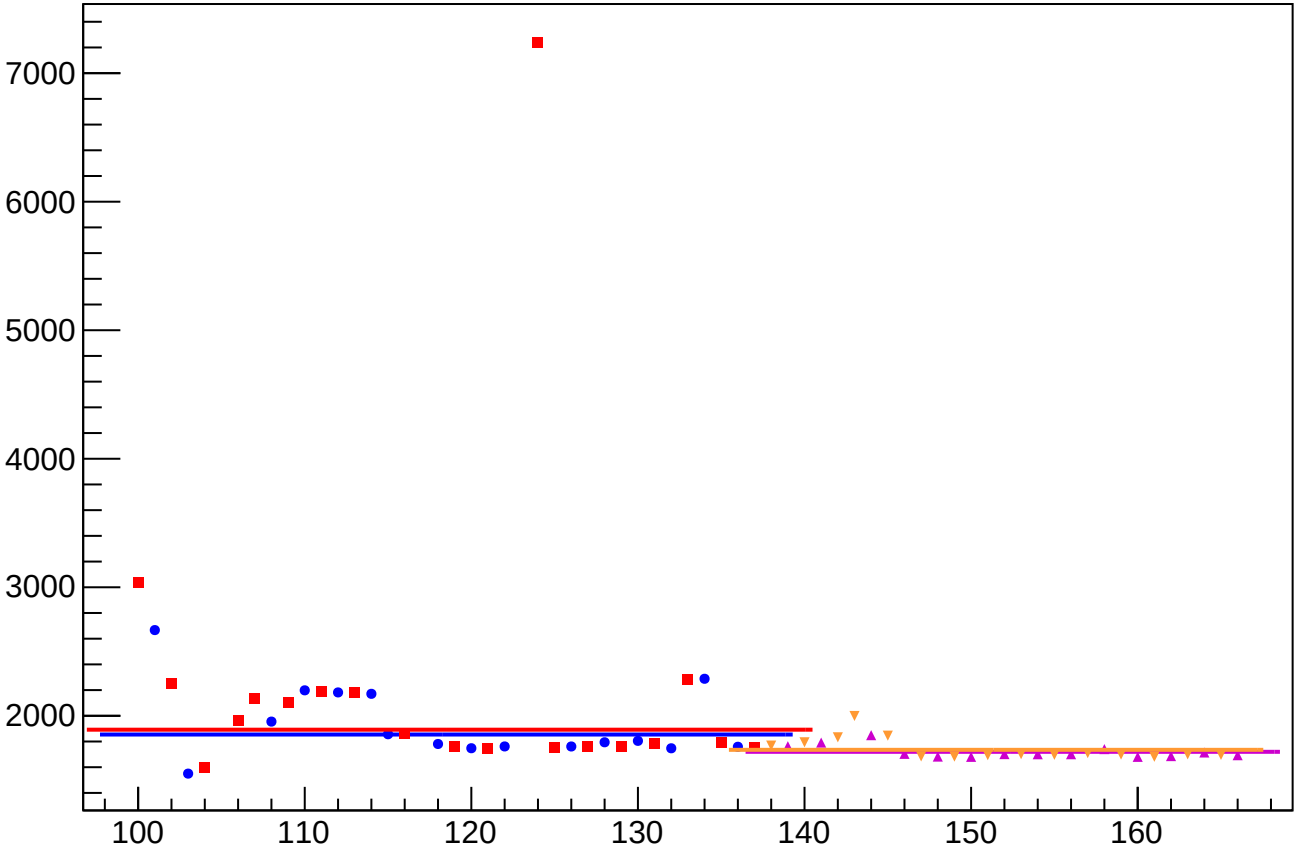
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2796.103+/-409.230 χ^2/NDF:26.4/29

Out: 1419.426+/-410.940 χ^2/NDF:33.6/33

All: 2110.635+/-289.972 χ^2/NDF: 65.6/63

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

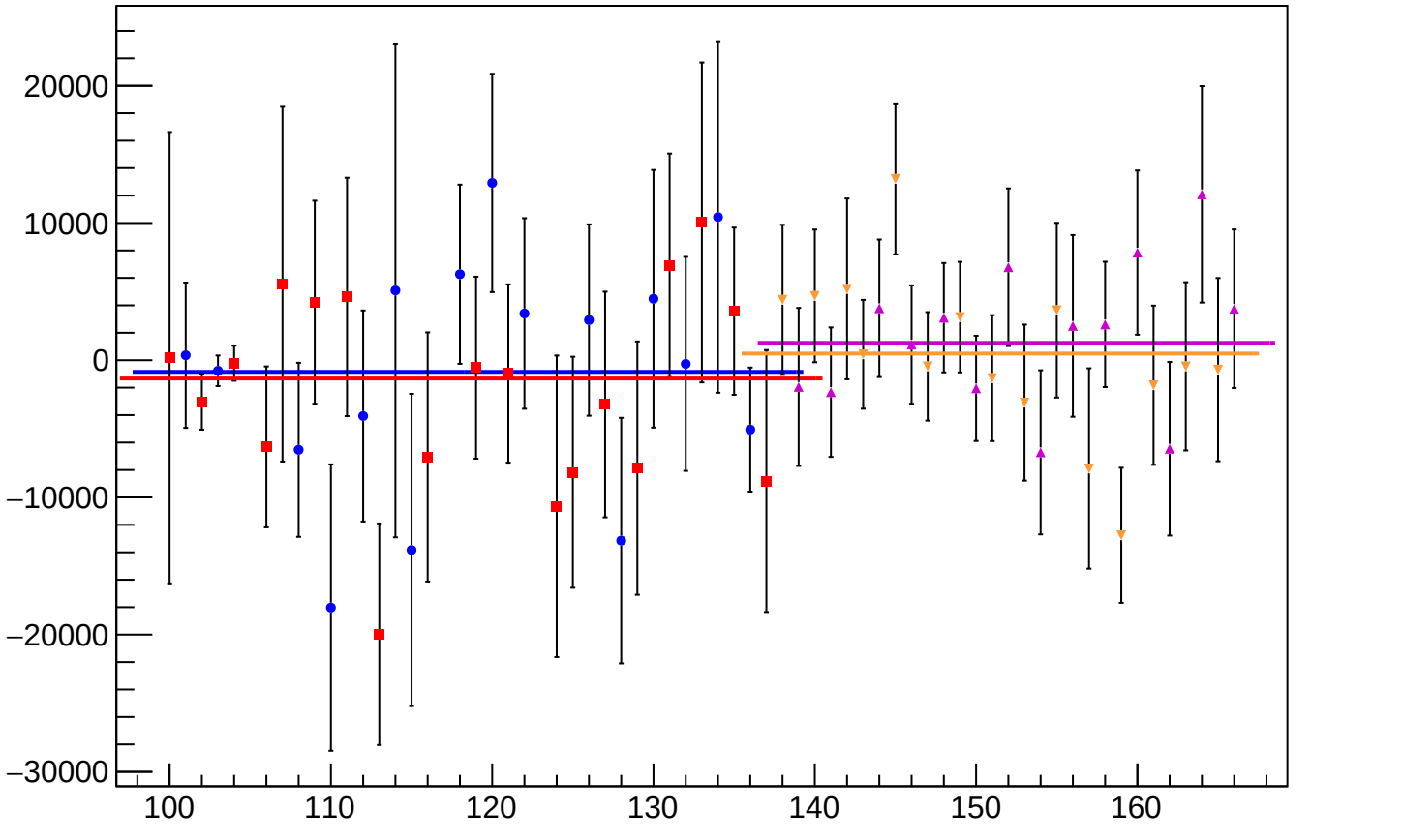
Left: 1727.523+/-0.253 χ^2/NDF: 67251.7/28

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1766.425+/-0.289 χ^2/NDF:329597.4/29

Out: 1788.329+/-0.290 χ^2/NDF:478545.0/33

All: 1777.339+/-0.205 χ^2/NDF: 810997.4/63



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1267.480+/-1376.804 χ^2/NDF:9.7/13

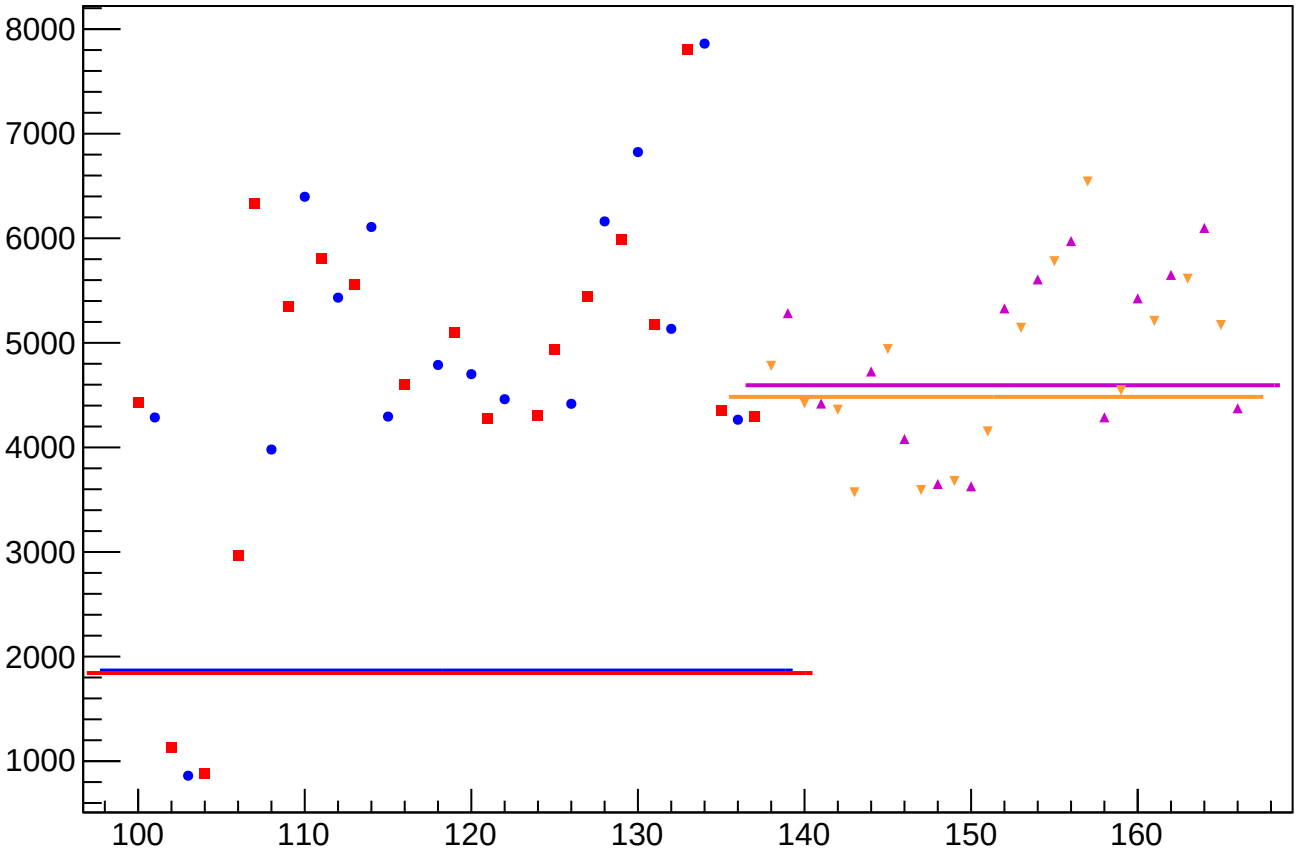
Left: 863.350+/-957.400 χ^2/NDF: 27.0/28

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -152.841+/-789.052 χ^2/NDF:25.1/29

Out: -720.677+/-772.492 χ^2/NDF:32.8/33

All: -442.780+/-551.996 χ^2/NDF: 58.3/63



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4594.578+/-0.974 χ^2/NDF:656156.4/13

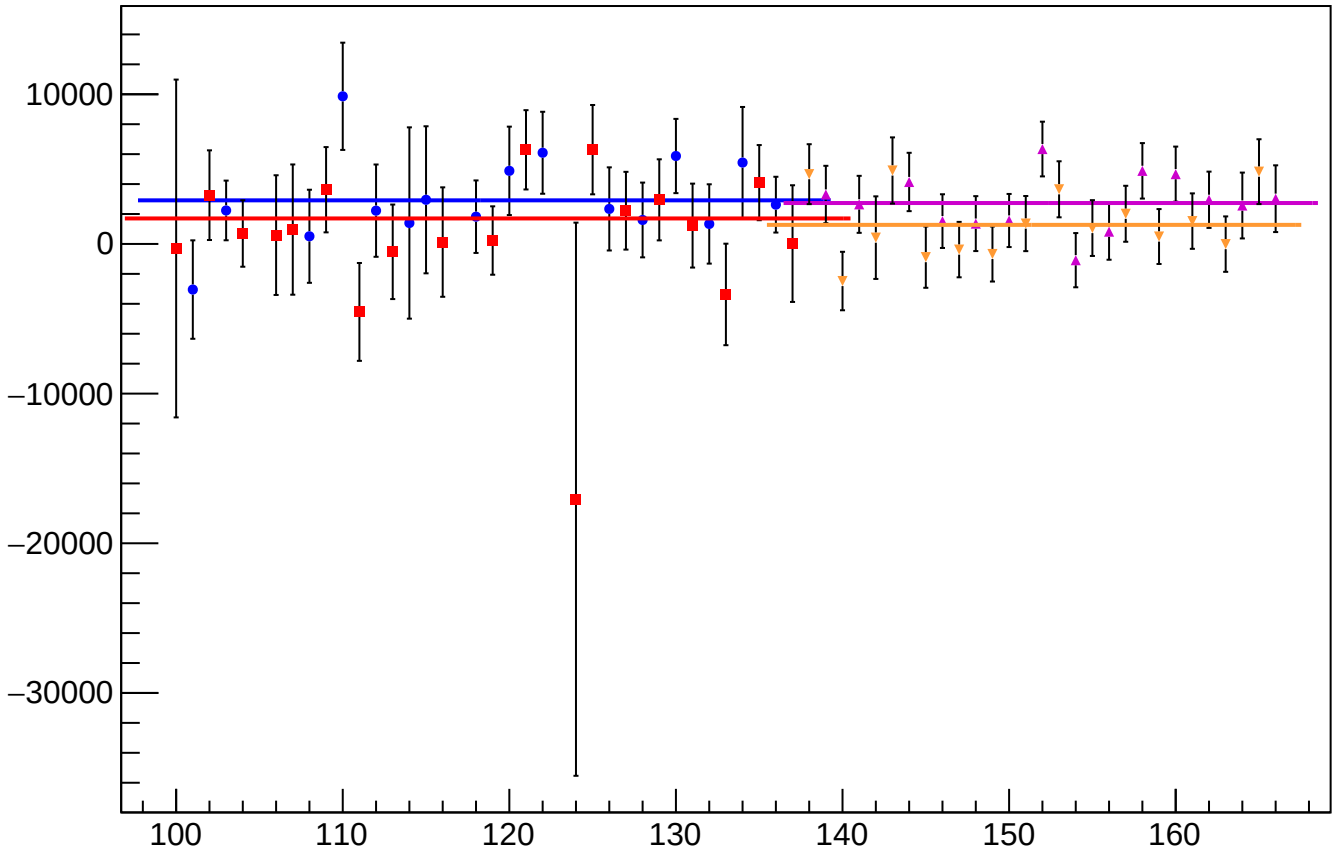
Left: 4537.127+/-0.677 χ^2/NDF: 1371069.5/28

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2762.366+/-0.558 χ^2/NDF:12780432.3/29

Out: 2730.664+/-0.546 χ^2/NDF:12381562.1/33

All: 2746.179+/-0.390 χ^2/NDF: 25163642.8/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2734.033+/-506.283 χ^2/NDF:13.9/13

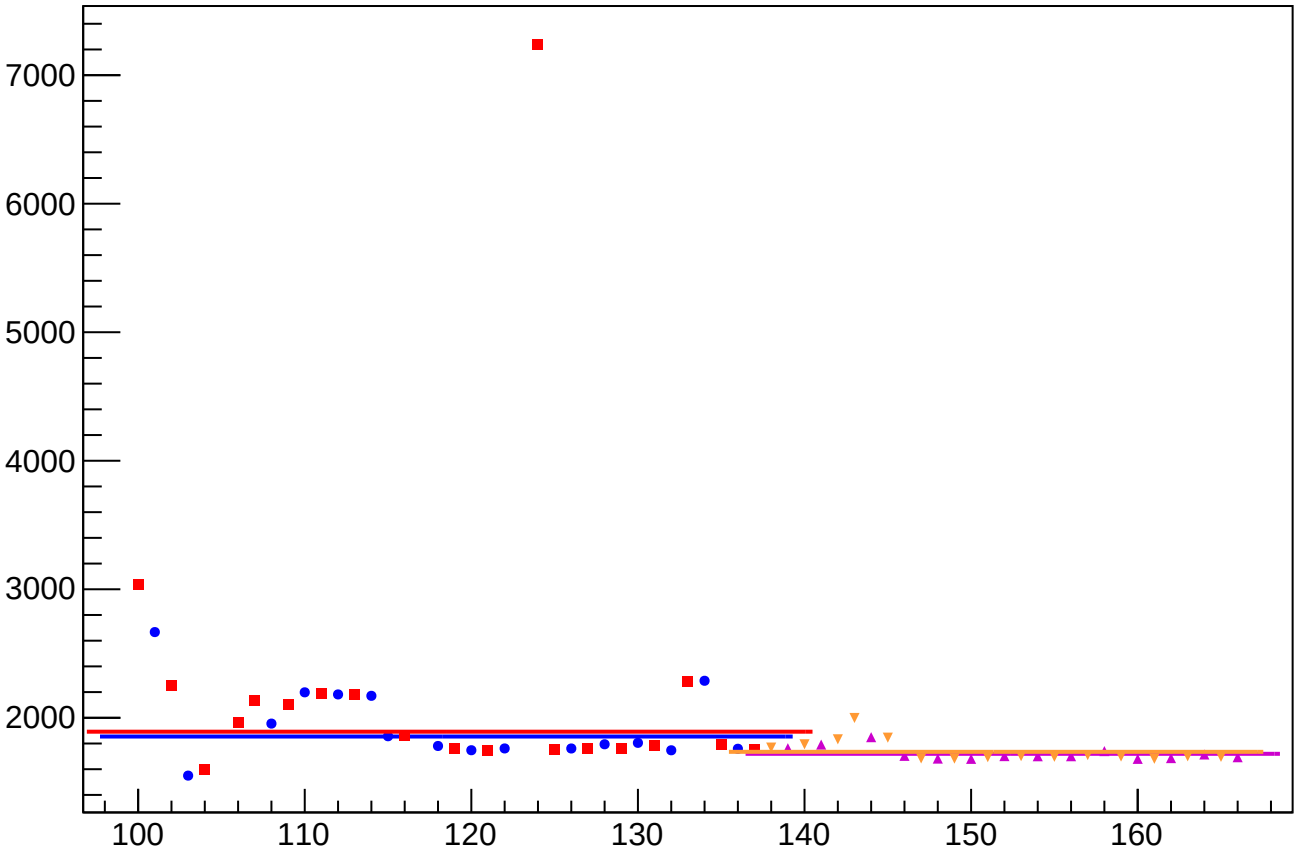
Left: 2002.448+/-357.564 χ^2/NDF: 35.6/28

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2796.103+/-409.230 χ^2/NDF:26.4/29

Out: 1419.426+/-410.940 χ^2/NDF:33.6/33

All: 2110.635+/-289.972 χ^2/NDF: 65.6/63



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1719.794+/-0.358 χ^2/NDF:17330.8/13

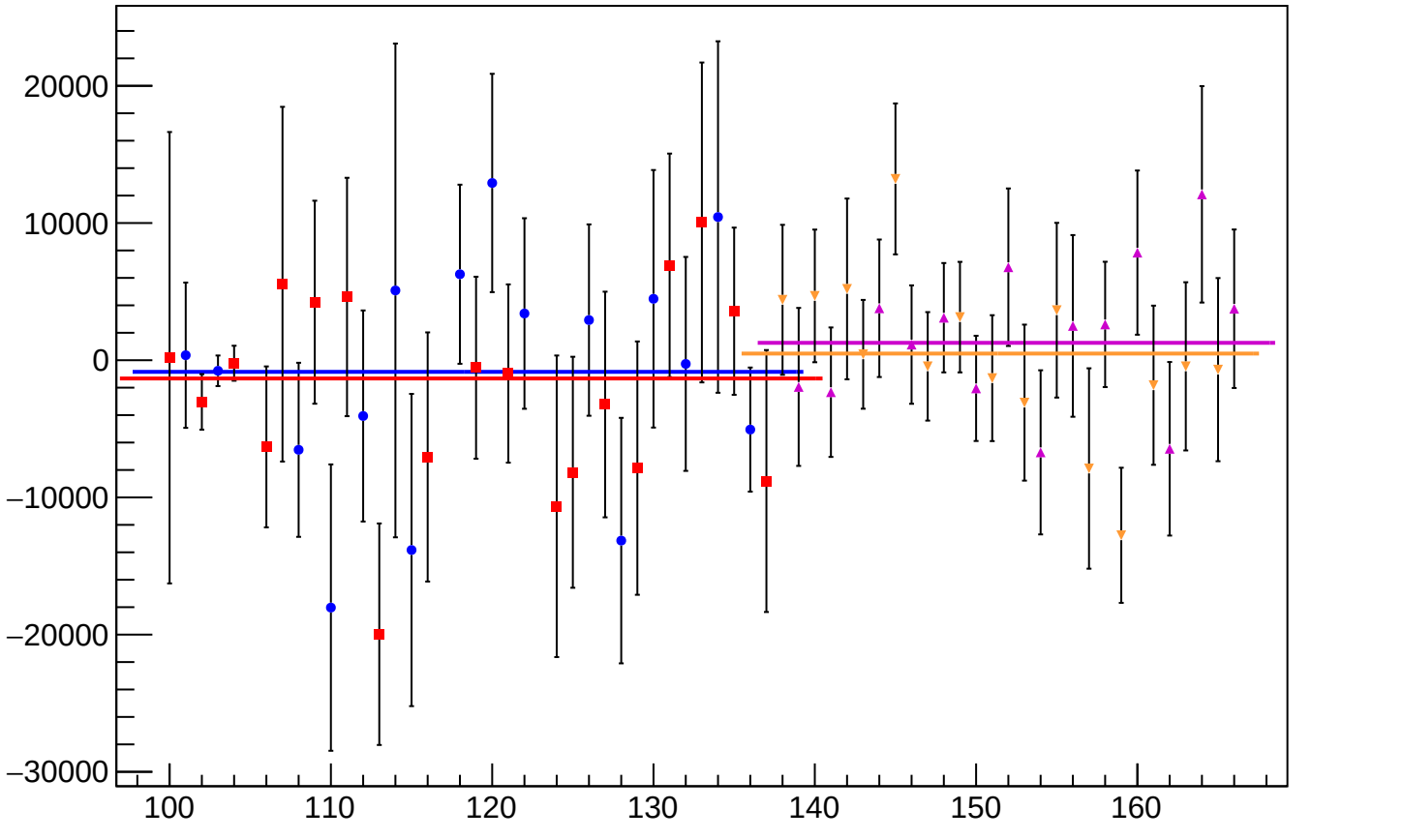
Left: 1727.523+/-0.253 χ^2/NDF: 67251.7/28

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1766.425+/-0.289 χ^2/NDF:329597.4/29

Out: 1788.329+/-0.290 χ^2/NDF:478545.0/33

All: 1777.339+/-0.205 χ^2/NDF: 810997.4/63



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1267.480+/-1376.804 χ^2/NDF:9.7/13

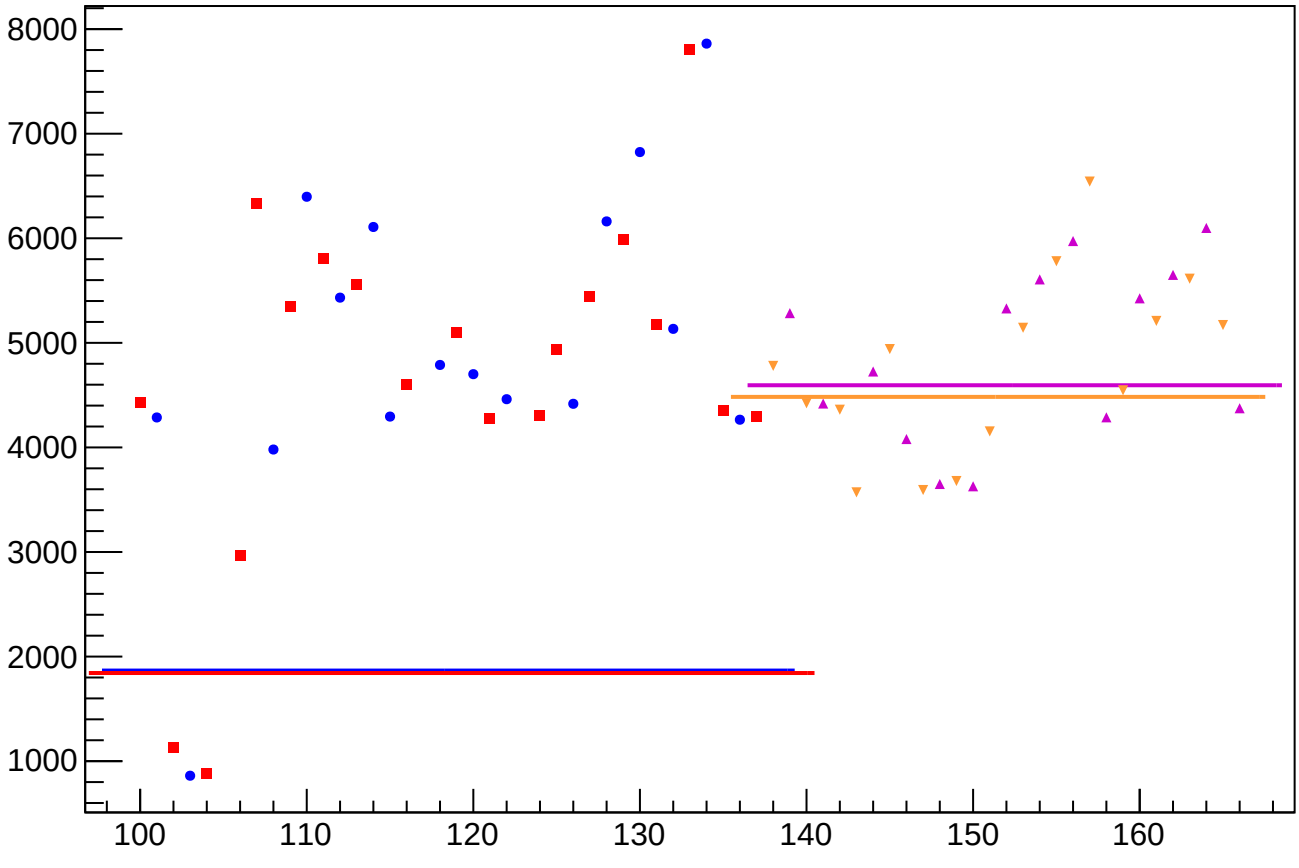
Left: 863.350+/-957.400 χ^2/NDF: 27.0/28

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -152.841+/-789.052 χ^2/NDF:25.1/29

Out: -720.677+/-772.492 χ^2/NDF:32.8/33

All: -442.780+/-551.996 χ^2/NDF: 58.3/63



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4594.578+/-0.974 χ^2/NDF:656156.4/13

Left: 4537.127+/-0.677 χ^2/NDF: 1371069.5/28

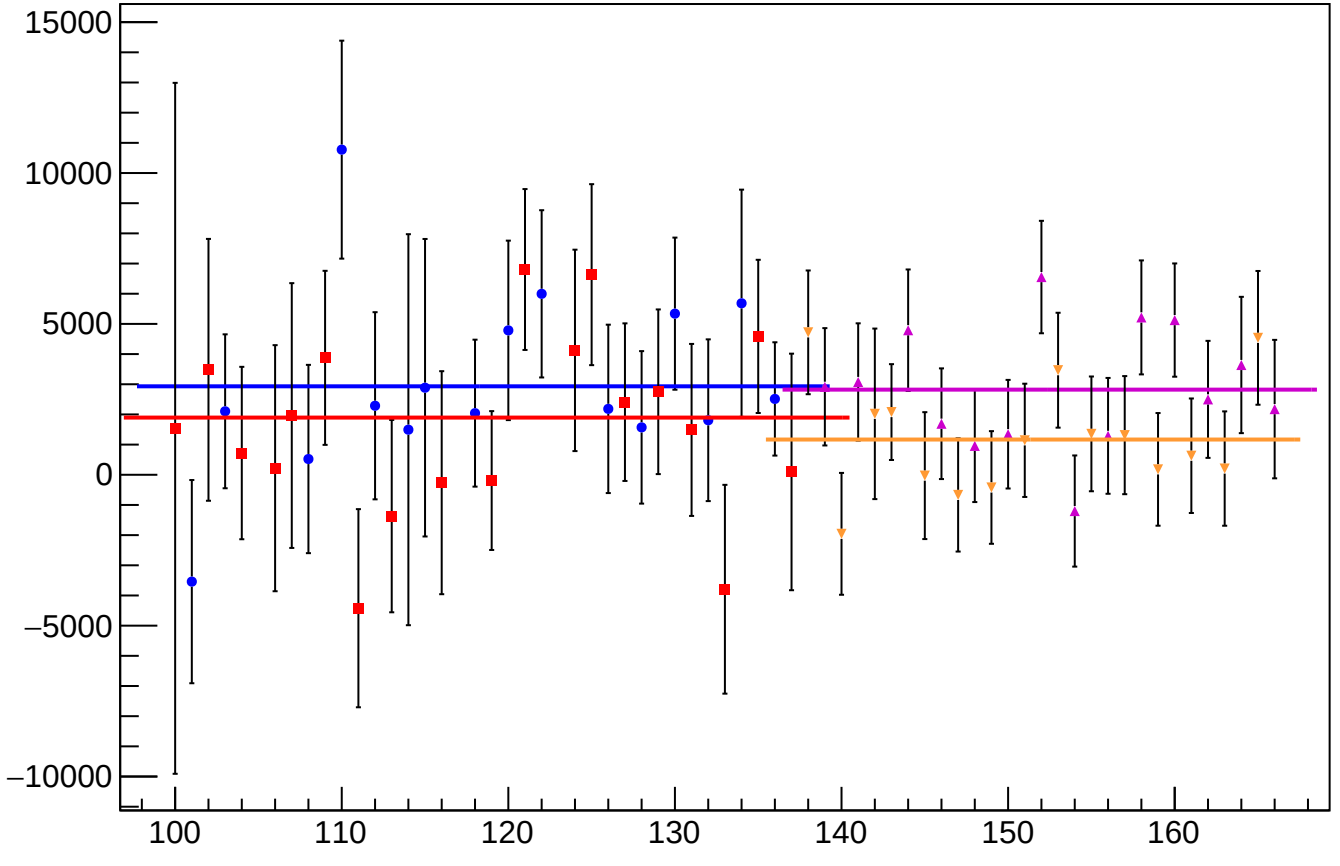
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2762.366+/-0.558 χ^2/NDF:12780432.3/29

Out: 2730.664+/-0.546 χ^2/NDF:12381562.1/33

All: 2746.179+/-0.390 χ^2/NDF: 25163642.8/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1168.023+/-503.384 χ^2/NDF:12.2/14

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2821.690+/-517.013 χ^2/NDF:15.8/13

Left: 1972.772+/-360.668 χ^2/NDF: 33.3/28

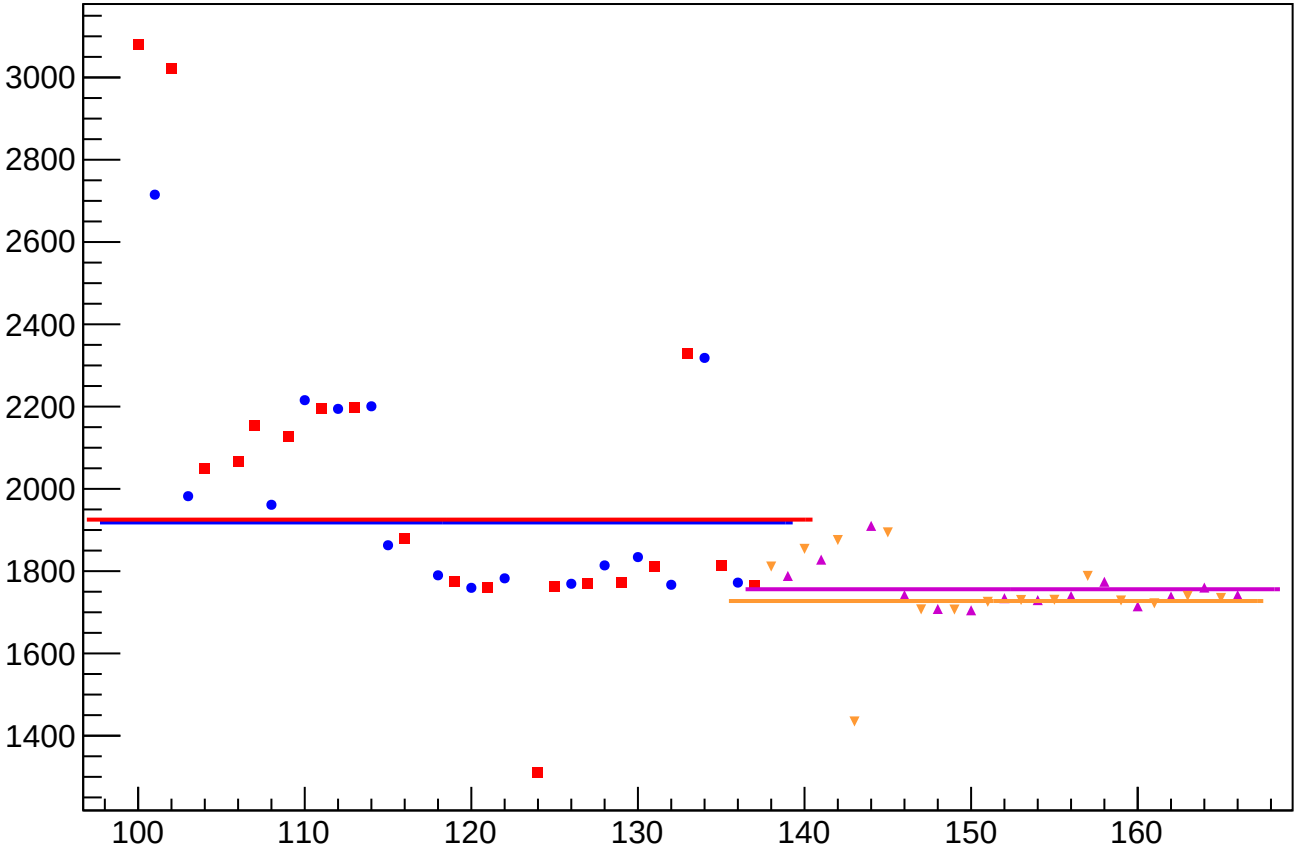
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2859.230+/-419.620 χ^2/NDF:28.8/29

Out: 1406.000+/-412.920 χ^2/NDF:30.3/33

All: 2120.921+/-294.319 χ^2/NDF: 65.2/63

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.416+/-0.356 χ^2/NDF:99870.5/14

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1756.033+/-0.366 χ^2/NDF:20307.4/13

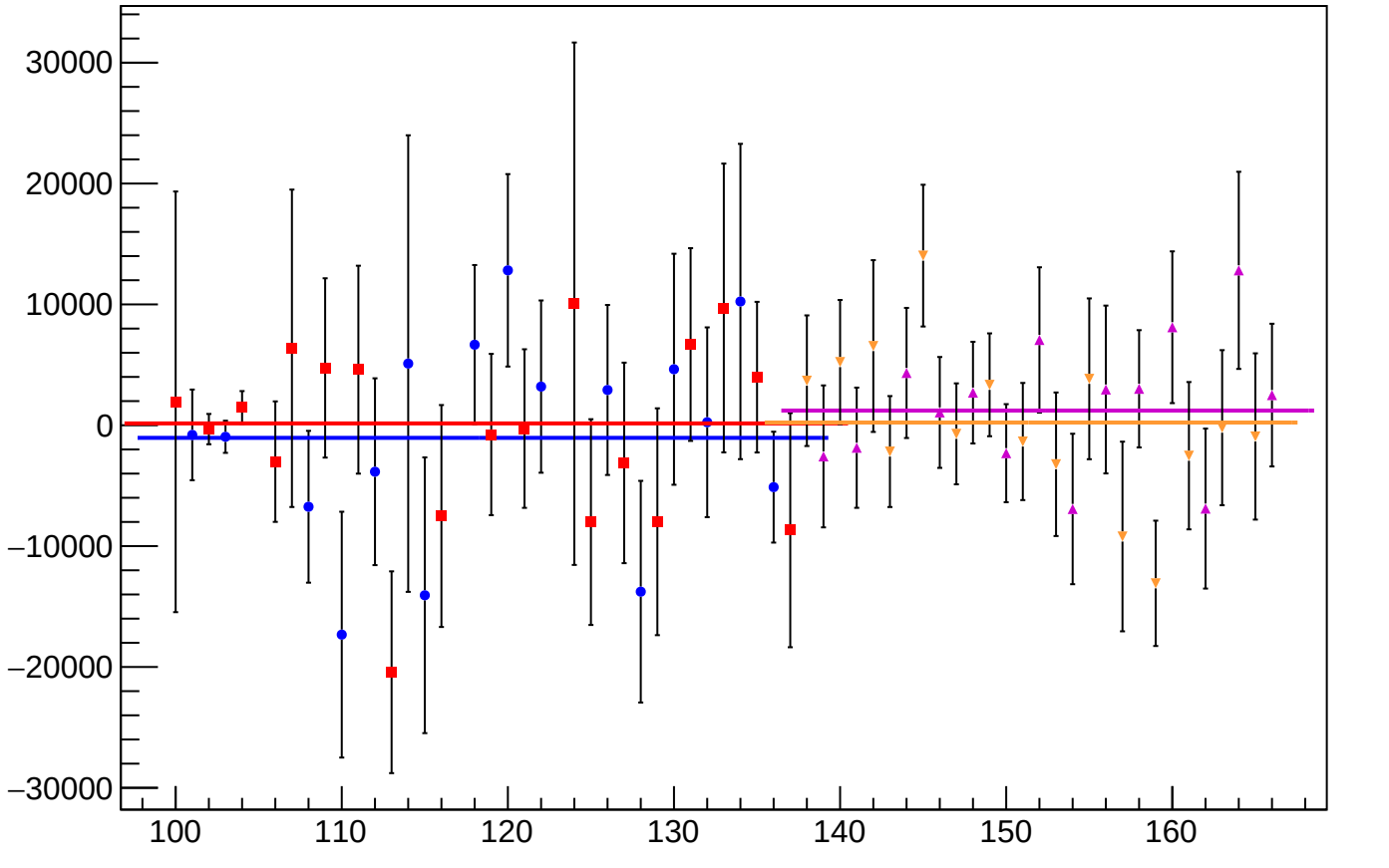
Left: 1741.342+/-0.255 χ^2/NDF: 123323.4/28

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1811.432+/-0.297 χ^2/NDF:303189.2/29

Out: 1792.207+/-0.292 χ^2/NDF:540140.4/33

All: 1801.662+/-0.208 χ^2/NDF: 845463.0/63



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 226.186+/-1413.684 χ^2/NDF:17.6/14

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 1217.145+/-1447.315 χ^2/NDF:9.6/13

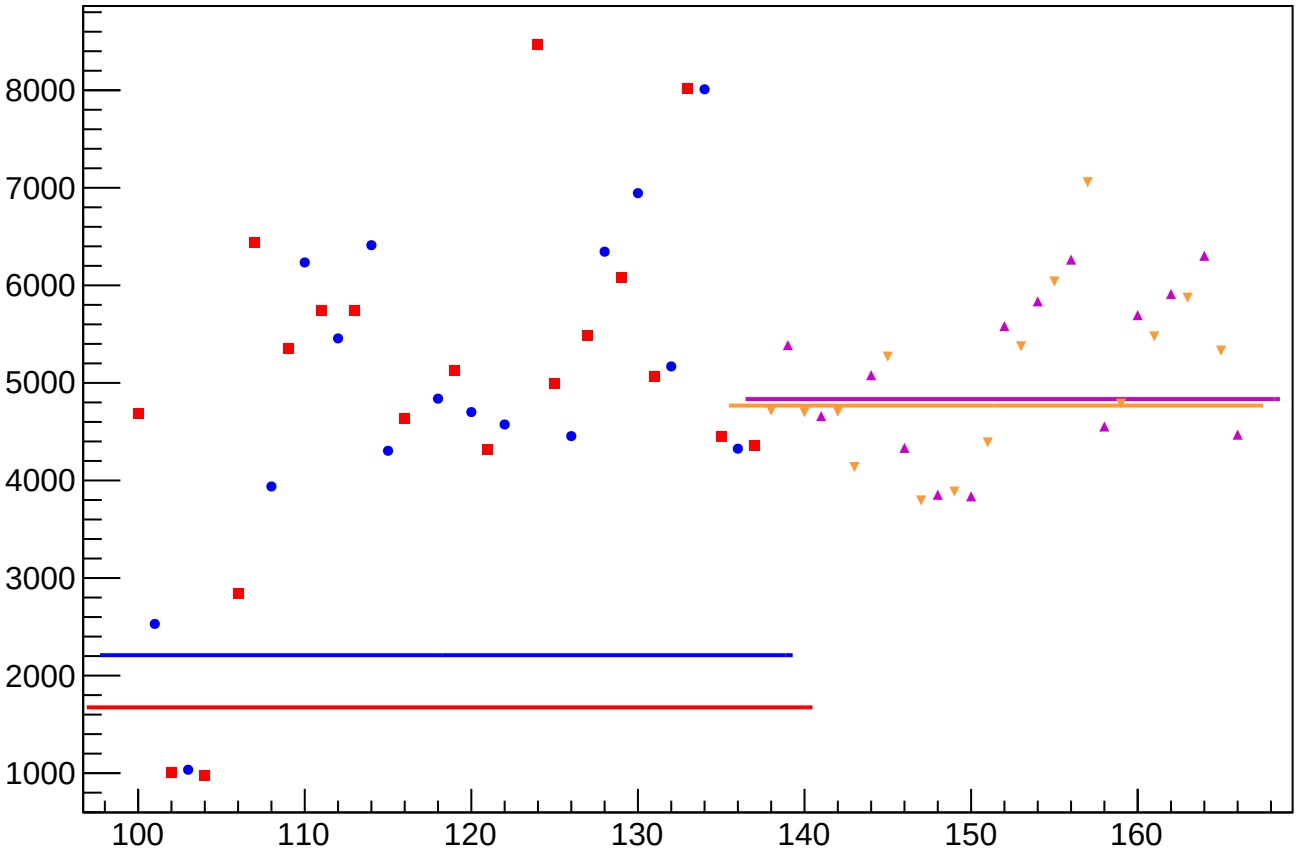
Left: 710.019+/-1011.306 χ^2/NDF: 27.5/28

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -241.225+/-861.648 χ^2/NDF:25.1/29

Out: 172.410+/-719.372 χ^2/NDF:31.3/33

All: 2.517+/-552.217 χ^2/NDF: 56.5/63



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4767.846+/-1.000 χ^2/NDF:623637.3/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4834.202+/-1.023 χ^2/NDF:615088.5/13

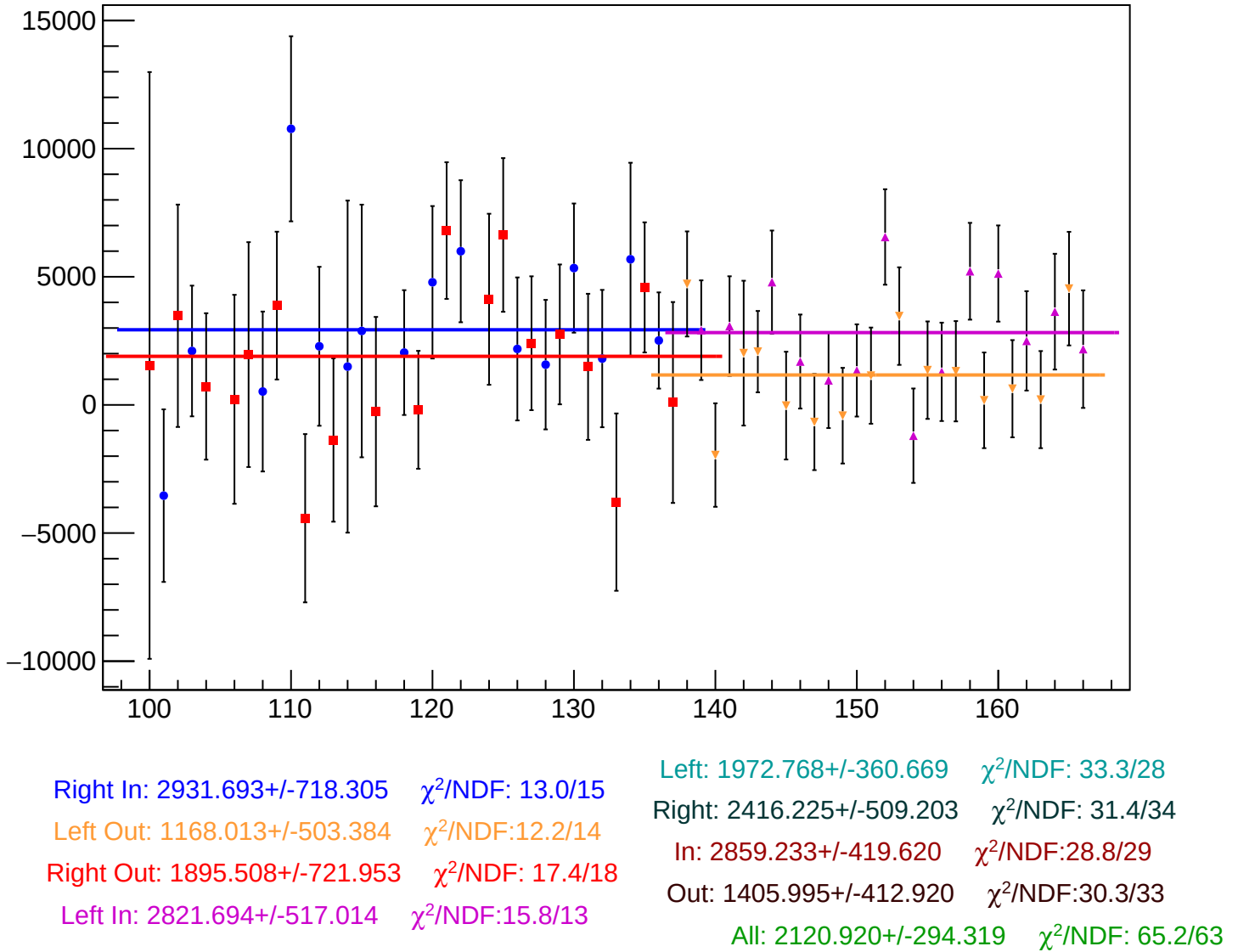
Left: 4800.244+/-0.715 χ^2/NDF: 1240877.2/28

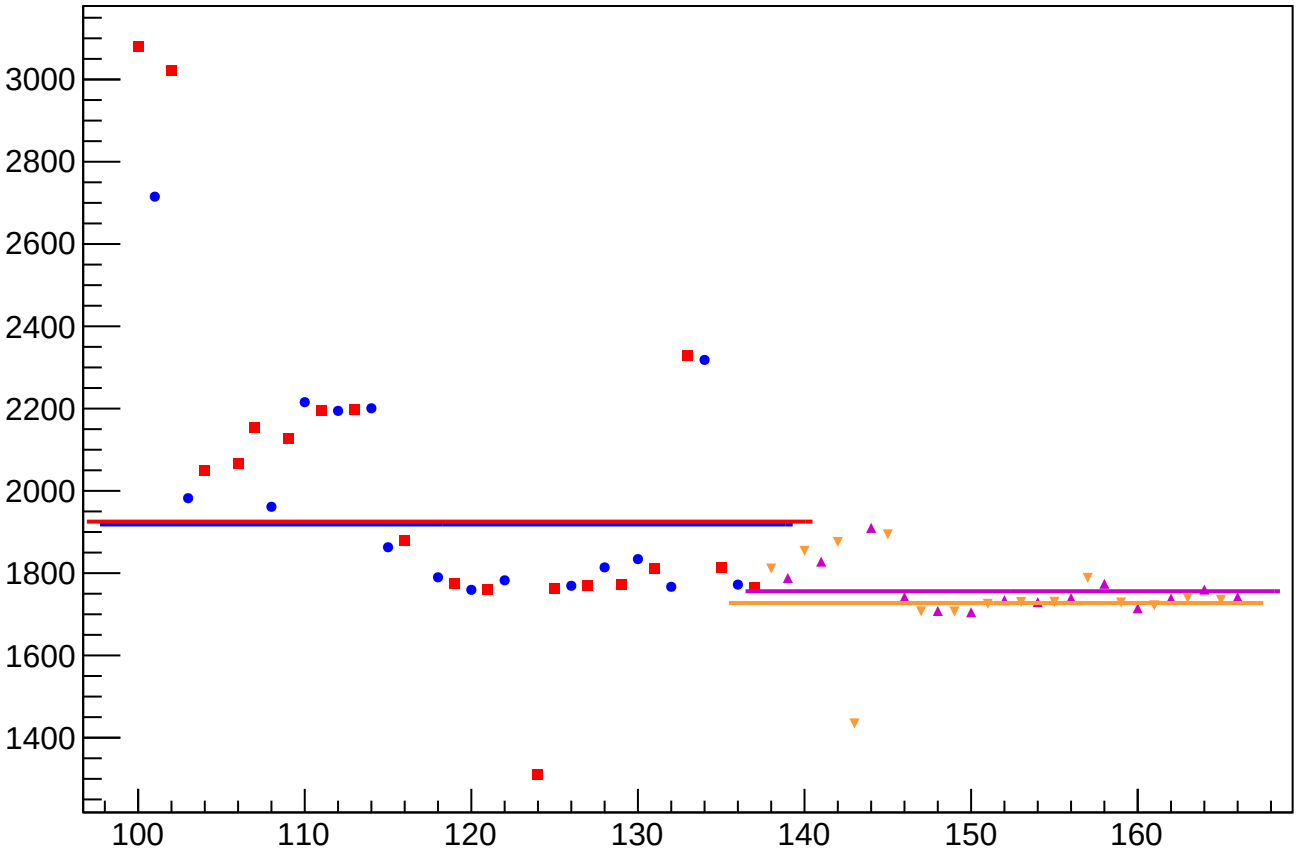
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3139.401+/-0.609 χ^2/NDF:10362253.4/29

Out: 2475.246+/-0.509 χ^2/NDF:14574744.6/33

All: 2748.036+/-0.390 χ^2/NDF: 25637196.9/6


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1168.013+/-503.384 χ²/NDF:12.2/14
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2821.694+/-517.014 χ²/NDF:15.8/13
Left: 1972.768+/-360.669 χ²/NDF: 33.3/28
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2859.233+/-419.620 χ²/NDF:28.8/29
Out: 1405.995+/-412.920 χ²/NDF:30.3/33
All: 2120.920+/-294.319 χ²/NDF: 65.2/63



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.417+/-0.356 χ^2/NDF:99869.6/14

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.034+/-0.366 χ^2/NDF:20307.4/13

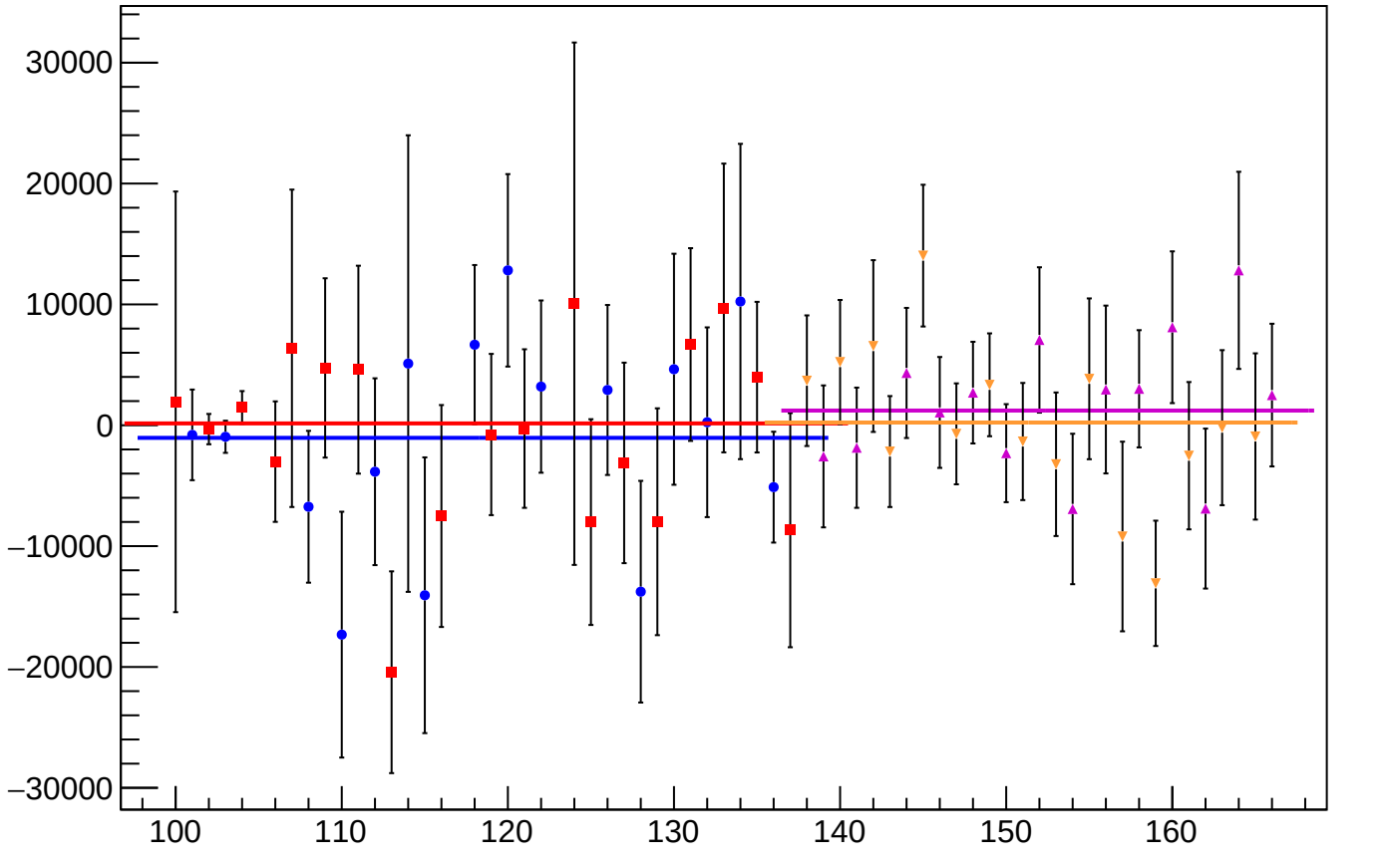
Left: 1741.343+/-0.255 χ^2/NDF: 123322.4/28

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1811.433+/-0.297 χ^2/NDF:303187.7/29

Out: 1792.208+/-0.292 χ^2/NDF:540136.7/33

All: 1801.663+/-0.208 χ^2/NDF: 845457.8/63



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 226.182+/-1413.686 χ^2/NDF:17.6/14

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1217.143+/-1447.317 χ^2/NDF:9.6/13

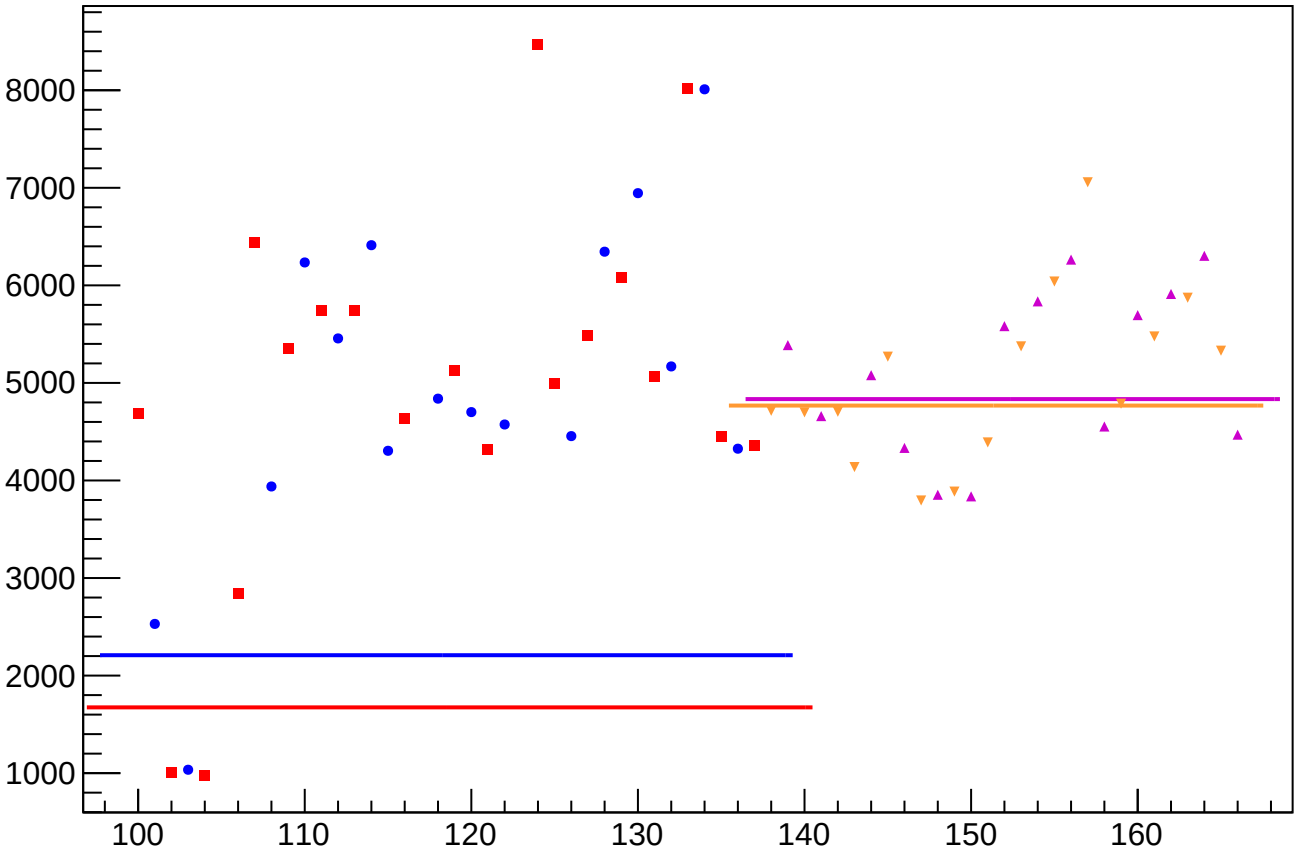
Left: 710.016+/-1011.308 χ^2/NDF: 27.5/28

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -241.227+/-861.648 χ^2/NDF:25.1/29

Out: 172.405+/-719.372 χ^2/NDF:31.3/33

All: 2.513+/-552.217 χ^2/NDF: 56.5/63



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4767.854+/-1.000 χ^2/NDF:623637.4/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4834.211+/-1.023 χ^2/NDF:615087.6/13

Left: 4800.252+/-0.715 χ^2/NDF: 1240876.5/28

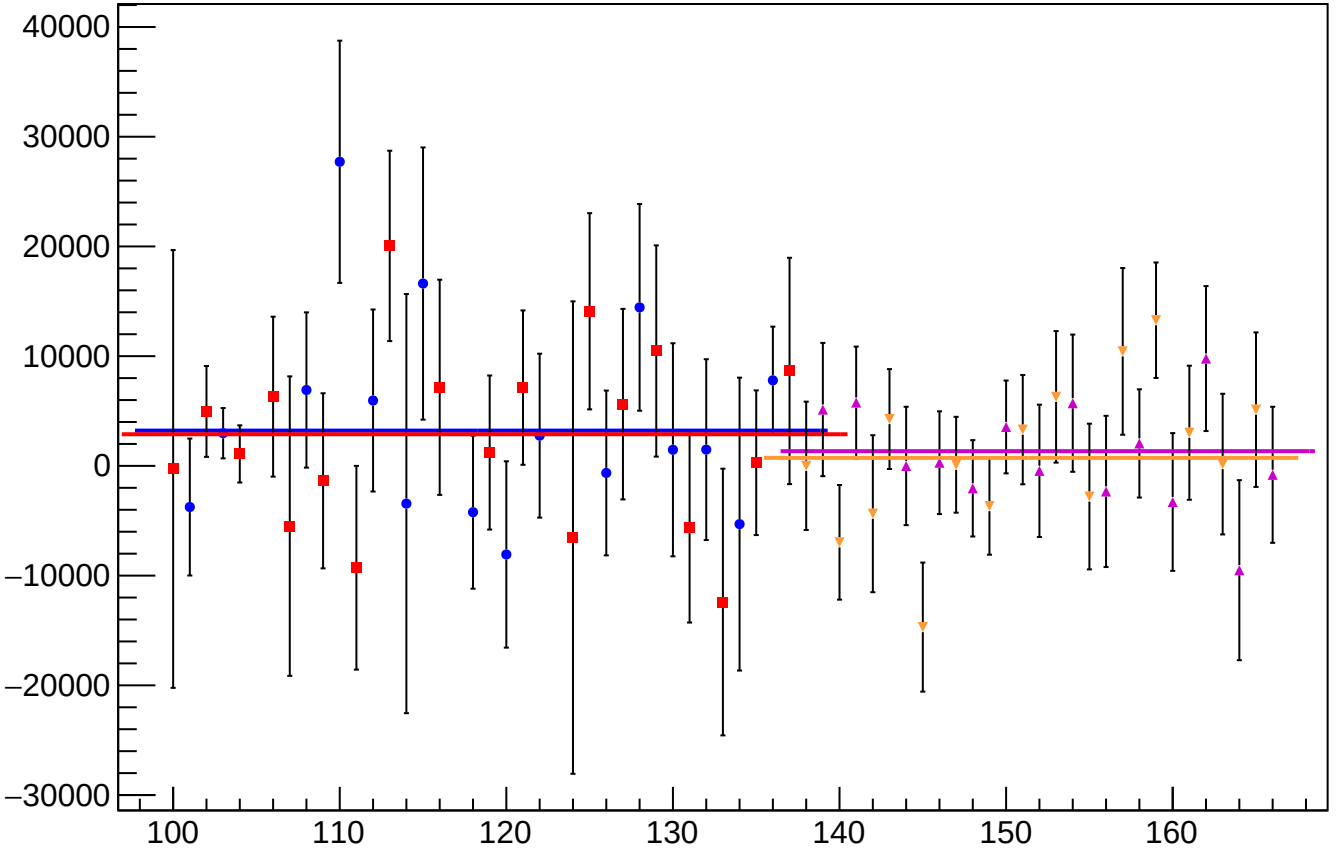
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3139.401+/-0.609 χ^2/NDF:10362267.3/29

Out: 2475.245+/-0.509 χ^2/NDF:14574759.0/33

All: 2748.036+/-0.390 χ^2/NDF: 25637225.7/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 733.591+/-1441.104 χ^2/NDF:20.4/14

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1341.231+/-1477.989 χ^2/NDF:7.1/13

Left: 1029.734+/-1031.808 χ^2/NDF: 27.6/28

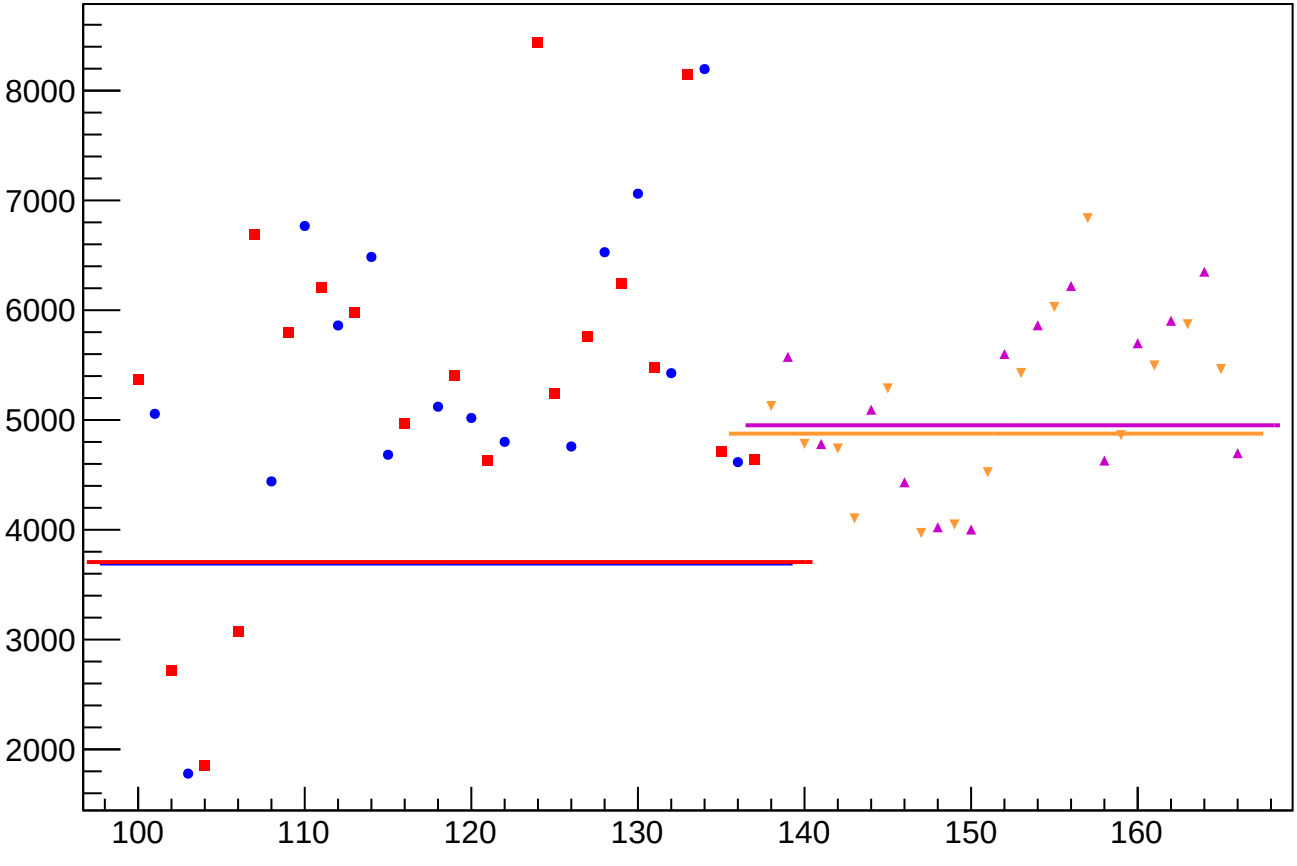
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2240.413+/-1066.100 χ^2/NDF:21.6/29

Out: 1728.875+/-1056.083 χ^2/NDF:34.9/33

All: 1982.230+/-750.280 χ^2/NDF: 56.6/63

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4875.683+/-1.019 χ^2/NDF:531523.7/14

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4951.833+/-1.045 χ^2/NDF:512909.7/13

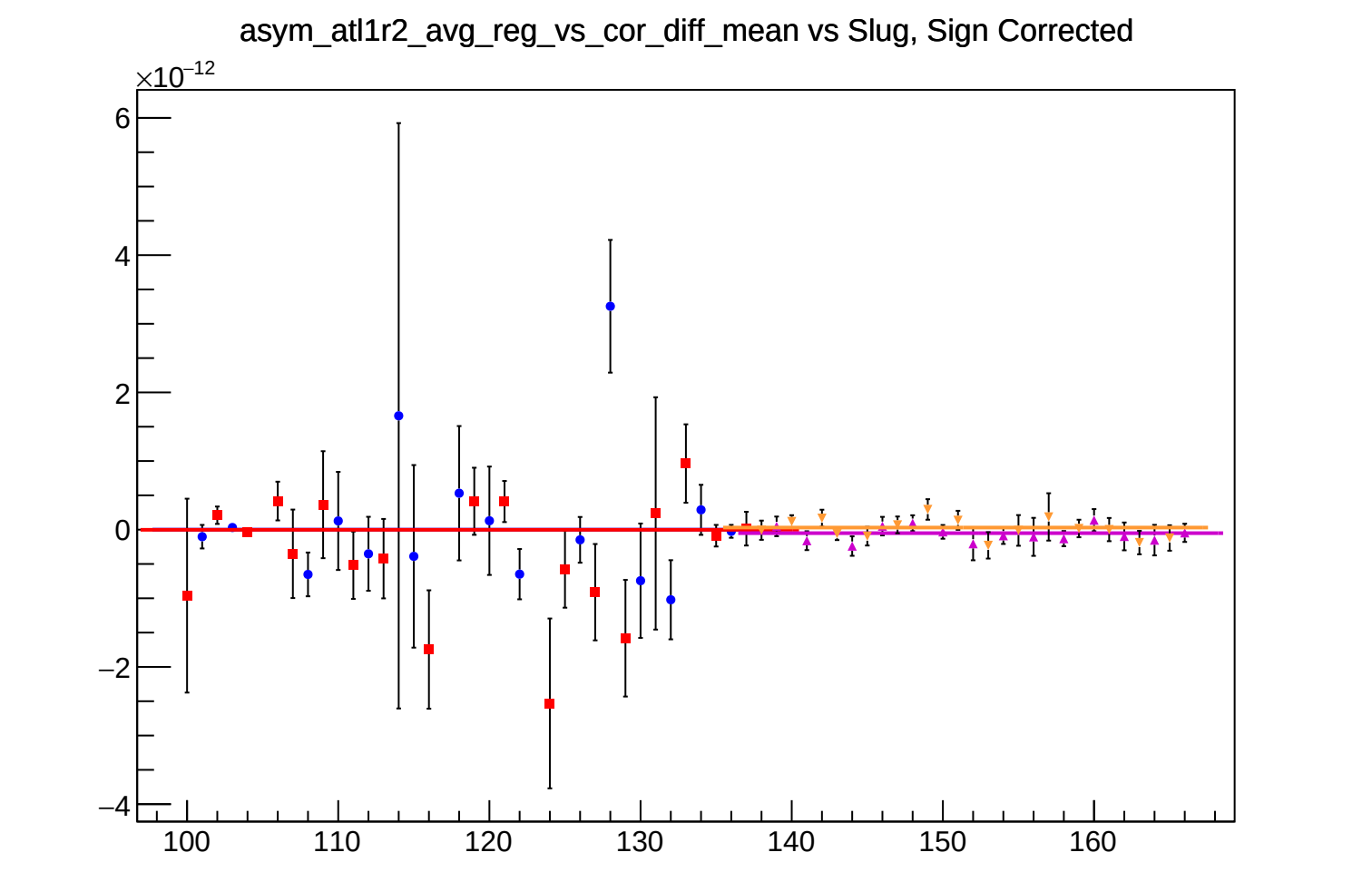
Left: 4912.796+/-0.730 χ^2/NDF: 1047155.2/28

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4347.881+/-0.754 χ^2/NDF:4094748.6/29

Out: 4328.363+/-0.743 χ^2/NDF:3832531.2/33

All: 4337.985+/-0.529 χ^2/NDF: 7927619.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/13

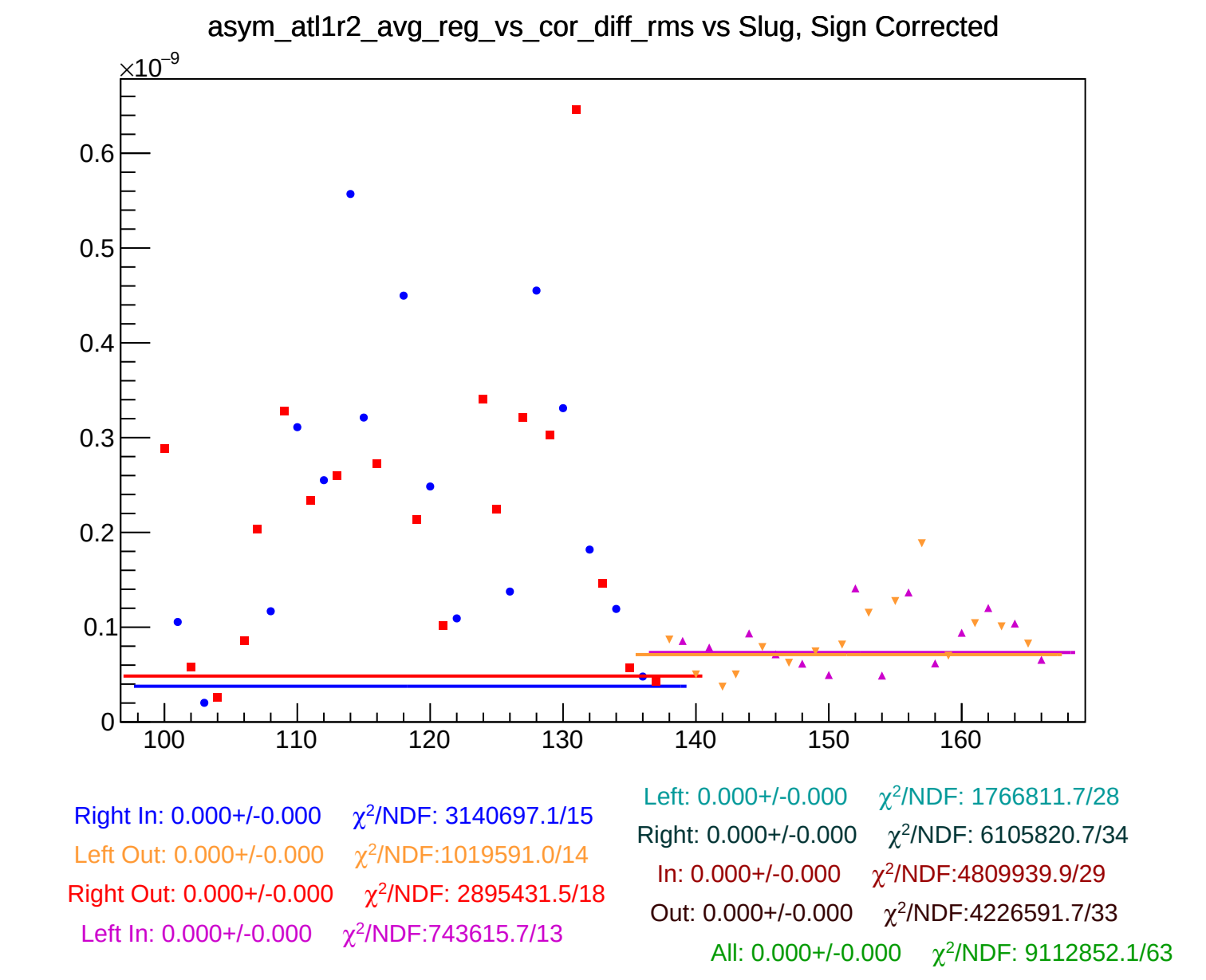
Left: -0.000+/-0.000 χ^2/NDF: 22.4/28

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

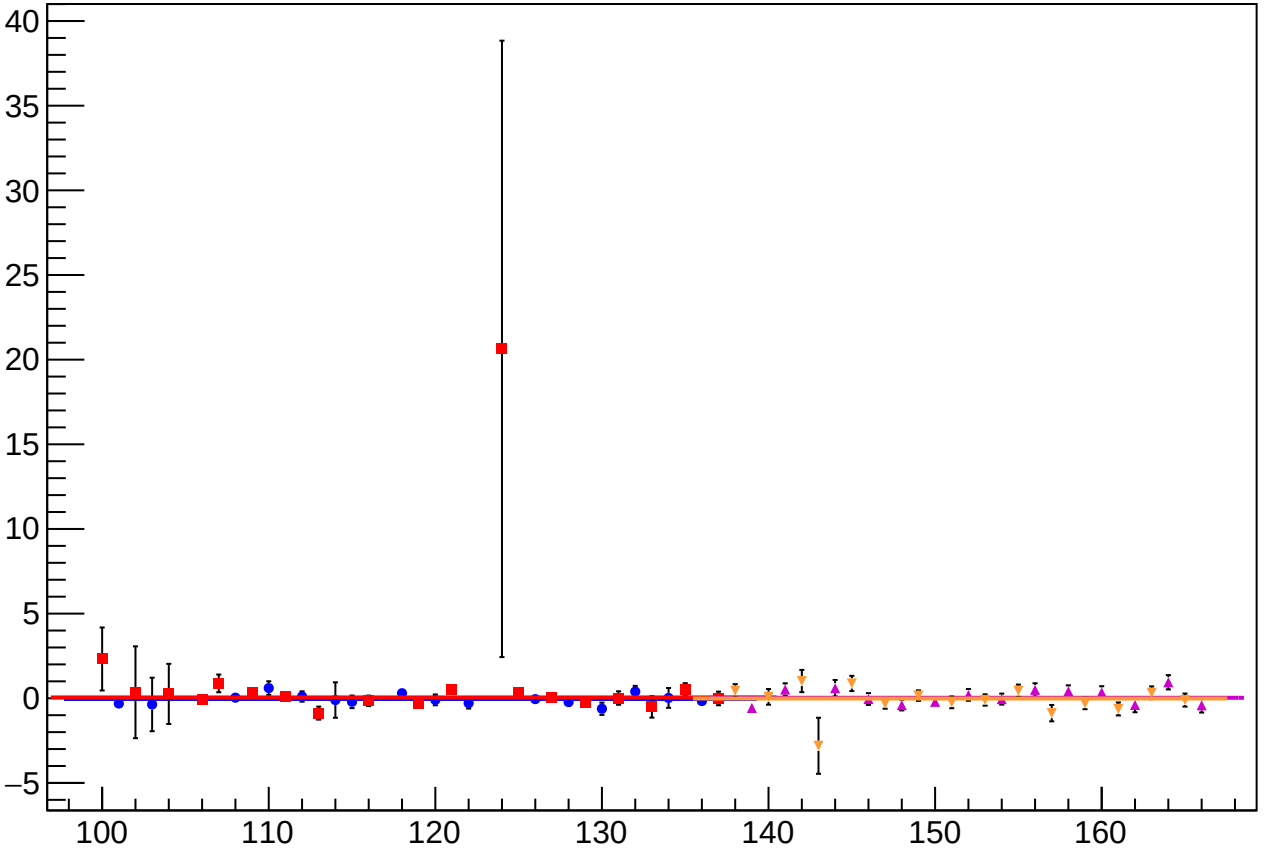
In: -0.000+/-0.000 χ^2/NDF:34.1/29

Out: 0.000+/-0.000 χ^2/NDF:40.7/33

All: -0.000+/-0.000 χ^2/NDF: 76.1/63


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1019591.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:743615.7/13
Left: 0.000+/-0.000 χ²/NDF: 1766811.7/28
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4809939.9/29
Out: 0.000+/-0.000 χ²/NDF:4226591.7/33
All: 0.000+/-0.000 χ²/NDF: 9112852.1/63

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.008+/-0.069 χ^2/NDF: 42.4/28

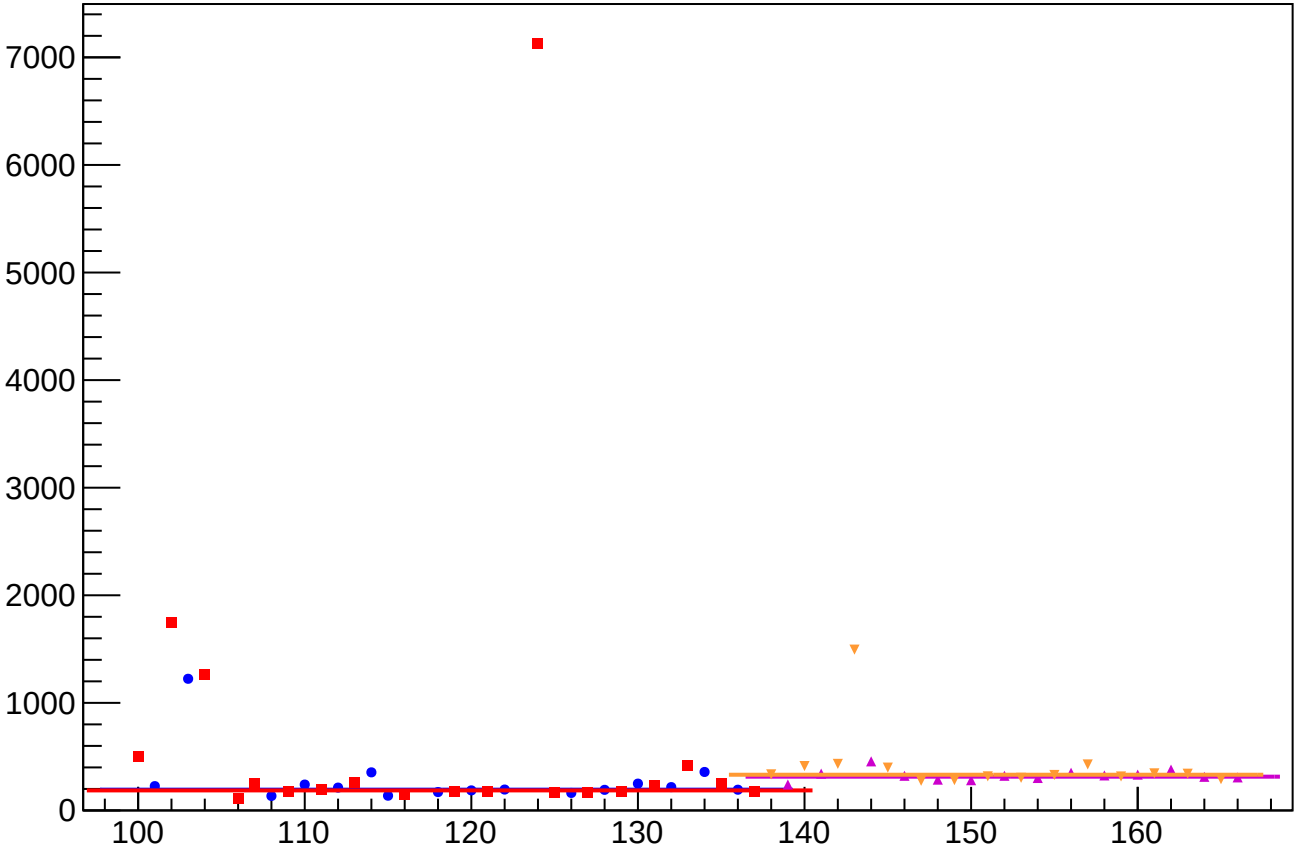
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.005+/-0.043 χ^2/NDF: 77.8/63

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 332.040+/-0.071 χ^2/NDF:1387259.7/14

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.012+/-0.067 χ^2/NDF:444419.9/13

Left: 322.457+/-0.049 χ^2/NDF: 1865530.0/28

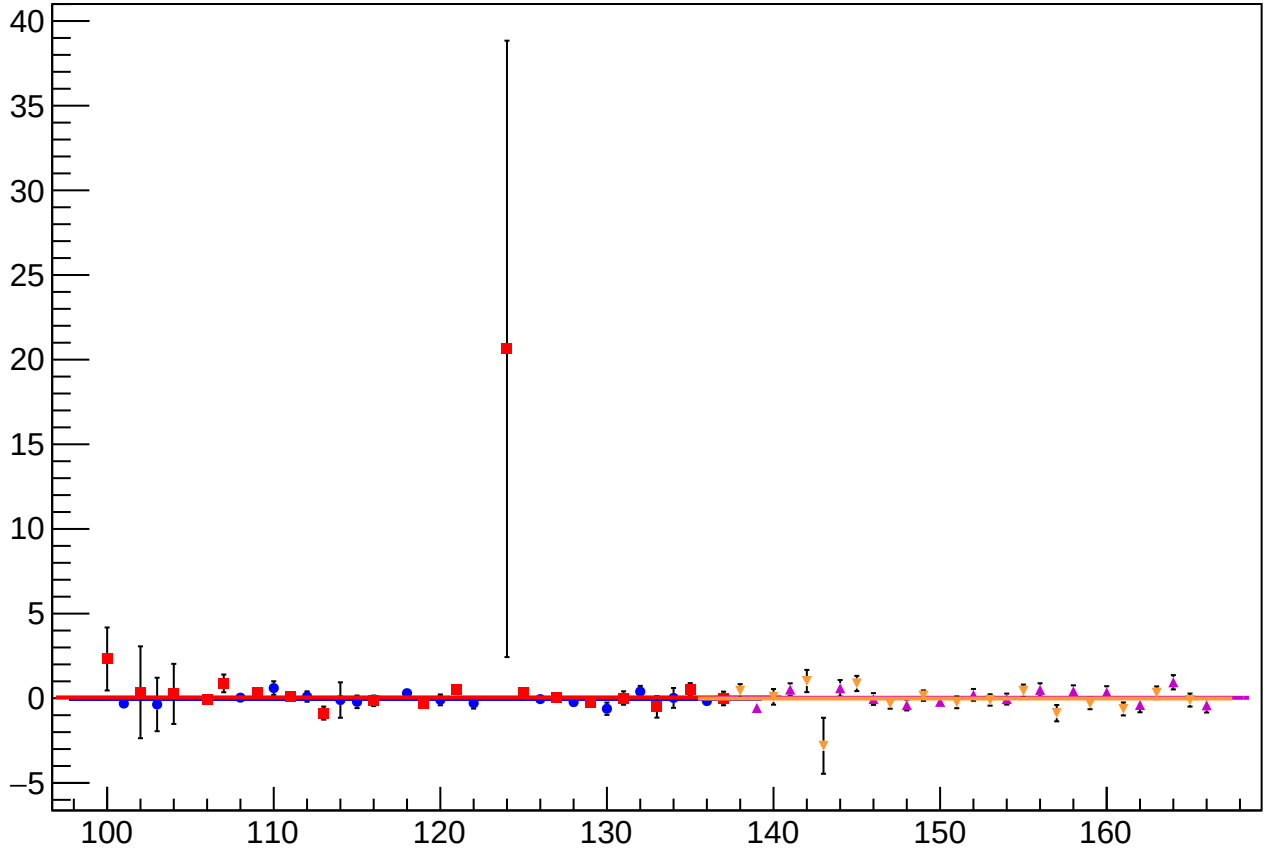
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.788+/-0.043 χ^2/NDF:3791964.9/29

Out: 241.465+/-0.044 χ^2/NDF:6451388.9/33

All: 241.632+/-0.031 χ^2/NDF: 10243381.6/63

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.008+/-0.069 χ^2/NDF: 42.4/28

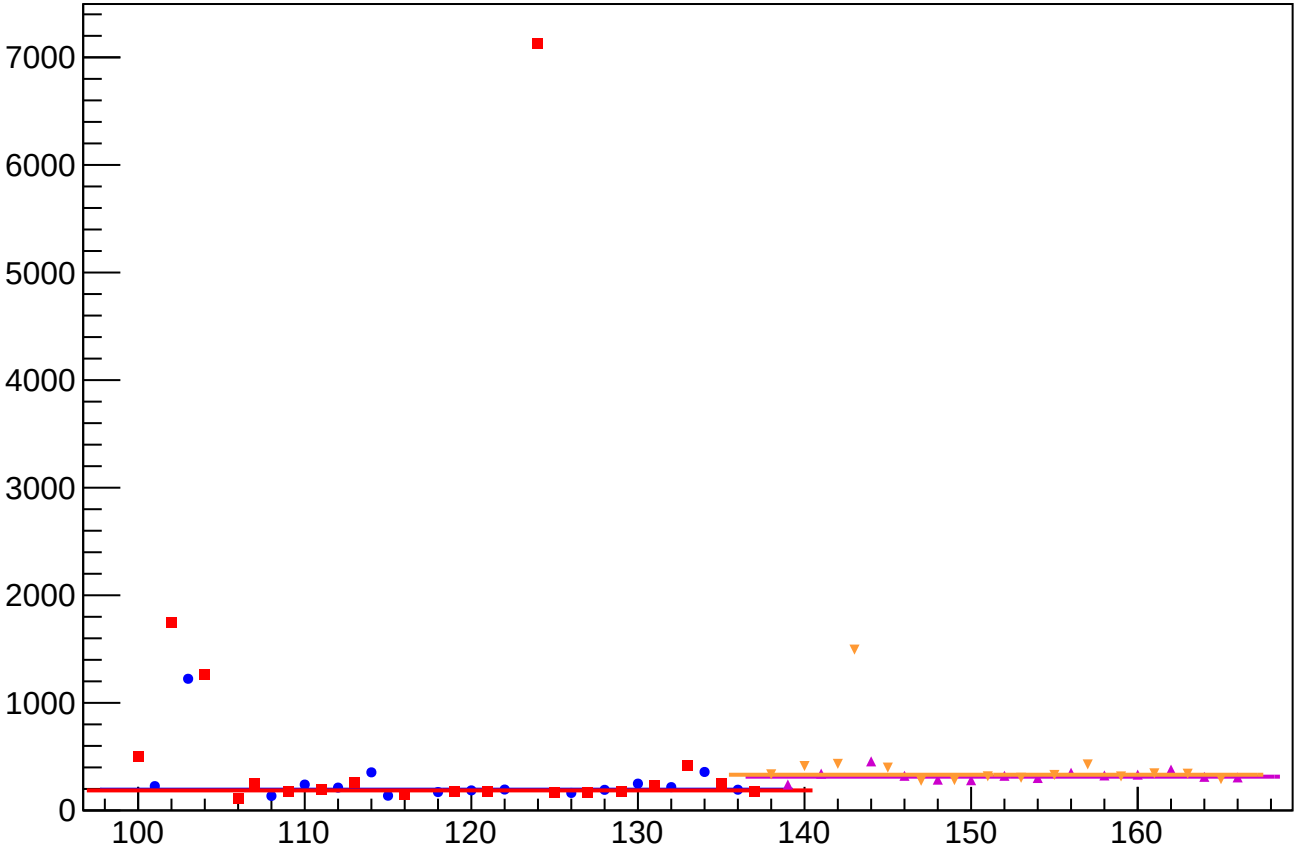
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.005+/-0.043 χ^2/NDF: 77.8/63

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 332.040+/-0.071 χ^2/NDF:1387259.7/14

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.012+/-0.067 χ^2/NDF:444419.9/13

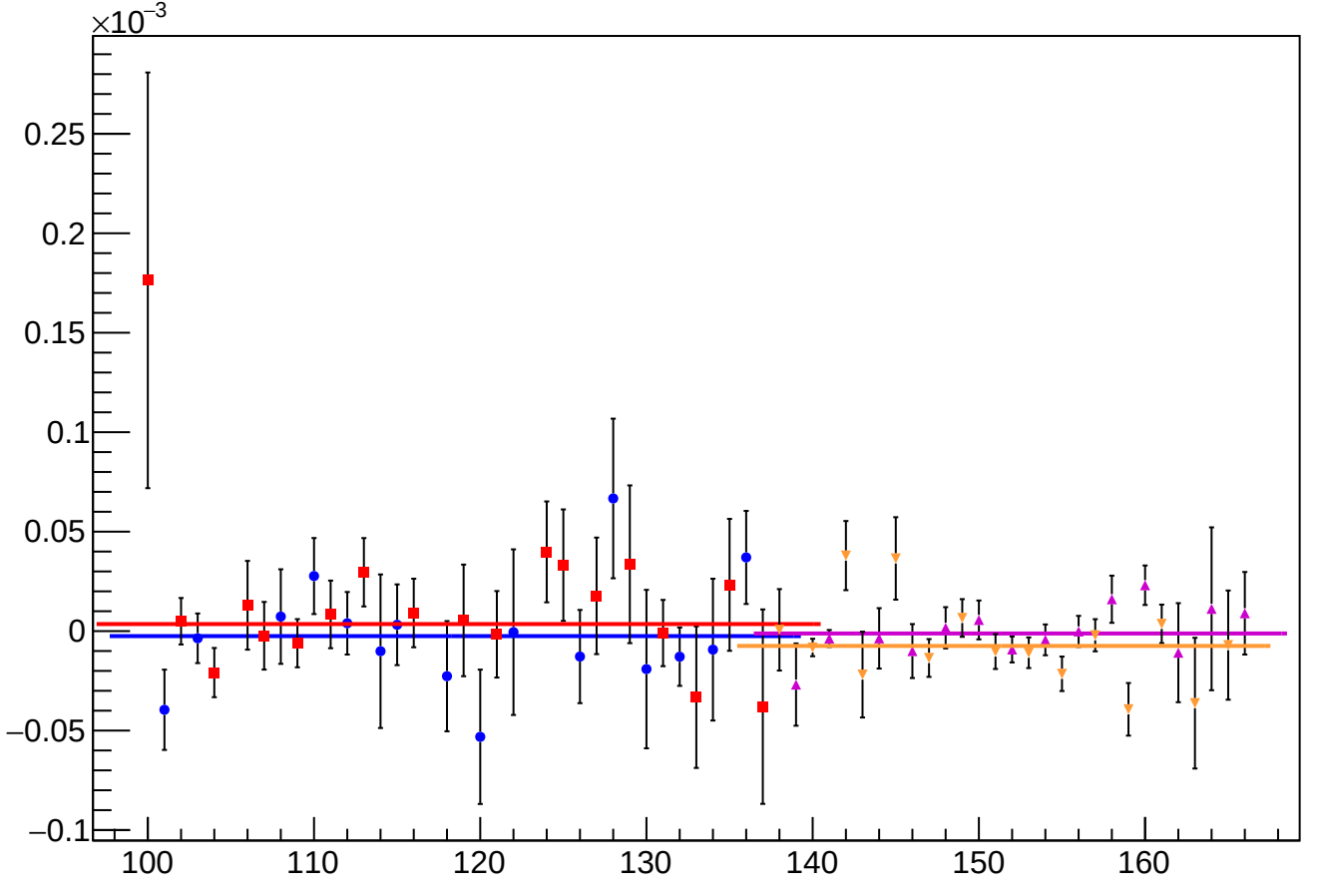
Left: 322.457+/-0.049 χ^2/NDF: 1865530.0/28

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.788+/-0.043 χ^2/NDF:3791964.9/29

Out: 241.465+/-0.044 χ^2/NDF:6451388.9/33

All: 241.632+/-0.031 χ^2/NDF: 10243381.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/13

Left: -0.000+/-0.000 χ^2/NDF: 42.2/28

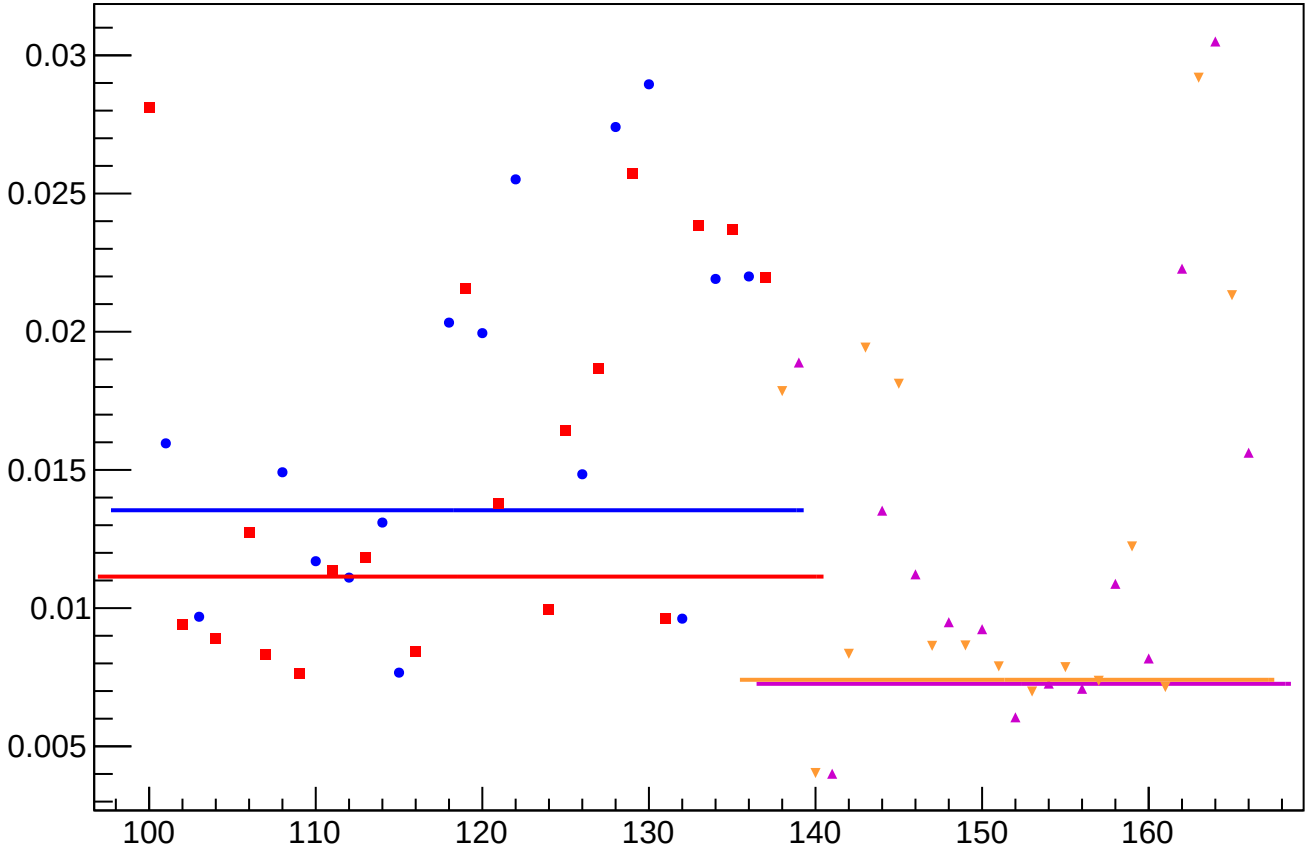
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:29.1/29

Out: -0.000+/-0.000 χ^2/NDF:46.8/33

All: -0.000+/-0.000 χ^2/NDF: 77.0/63

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4604721.6/14

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4450592.7/13

Left: 0.007+/-0.000 χ^2/NDF: 9058789.4/28

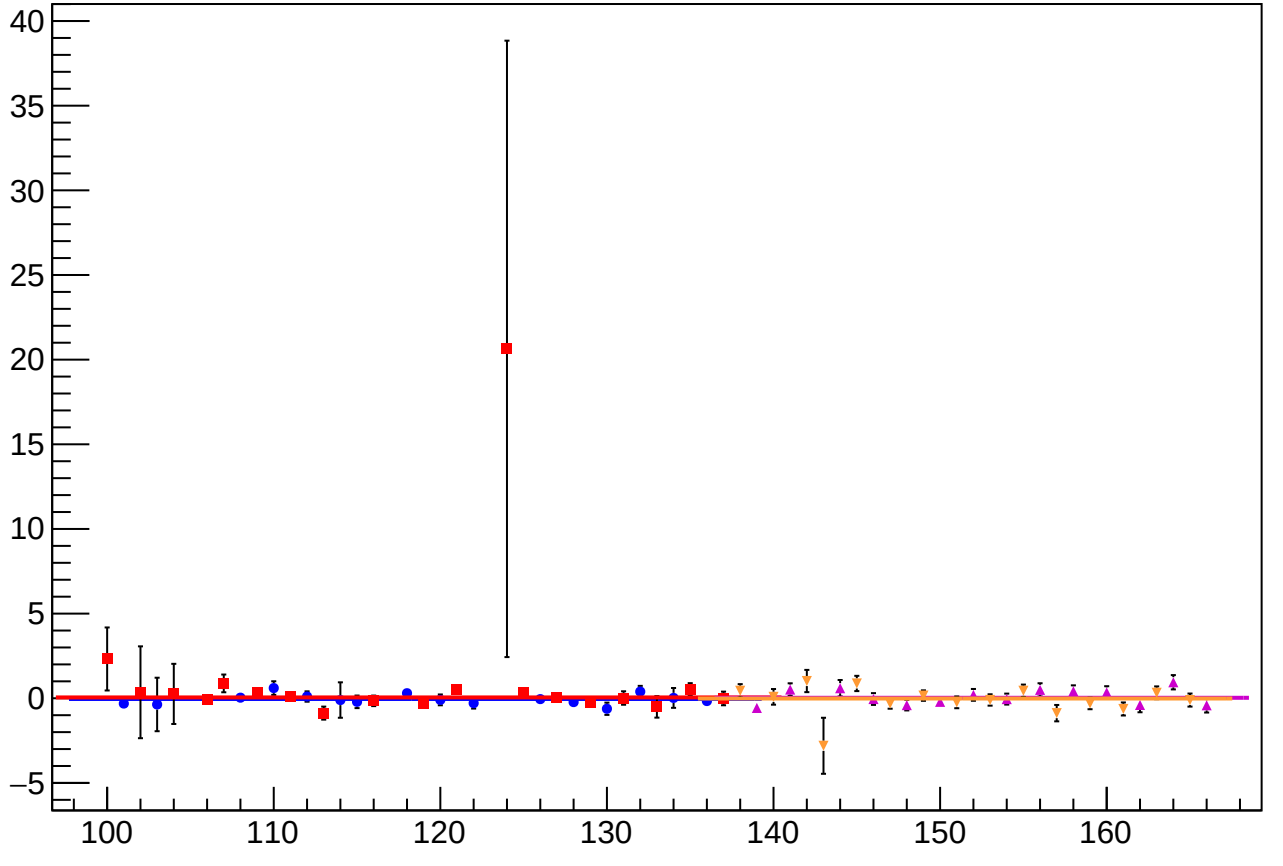
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8531902.6/29

Out: 0.008+/-0.000 χ^2/NDF:7559652.8/33

All: 0.008+/-0.000 χ^2/NDF: 16091750.5/63

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.008+/-0.069 χ^2/NDF: 42.4/28

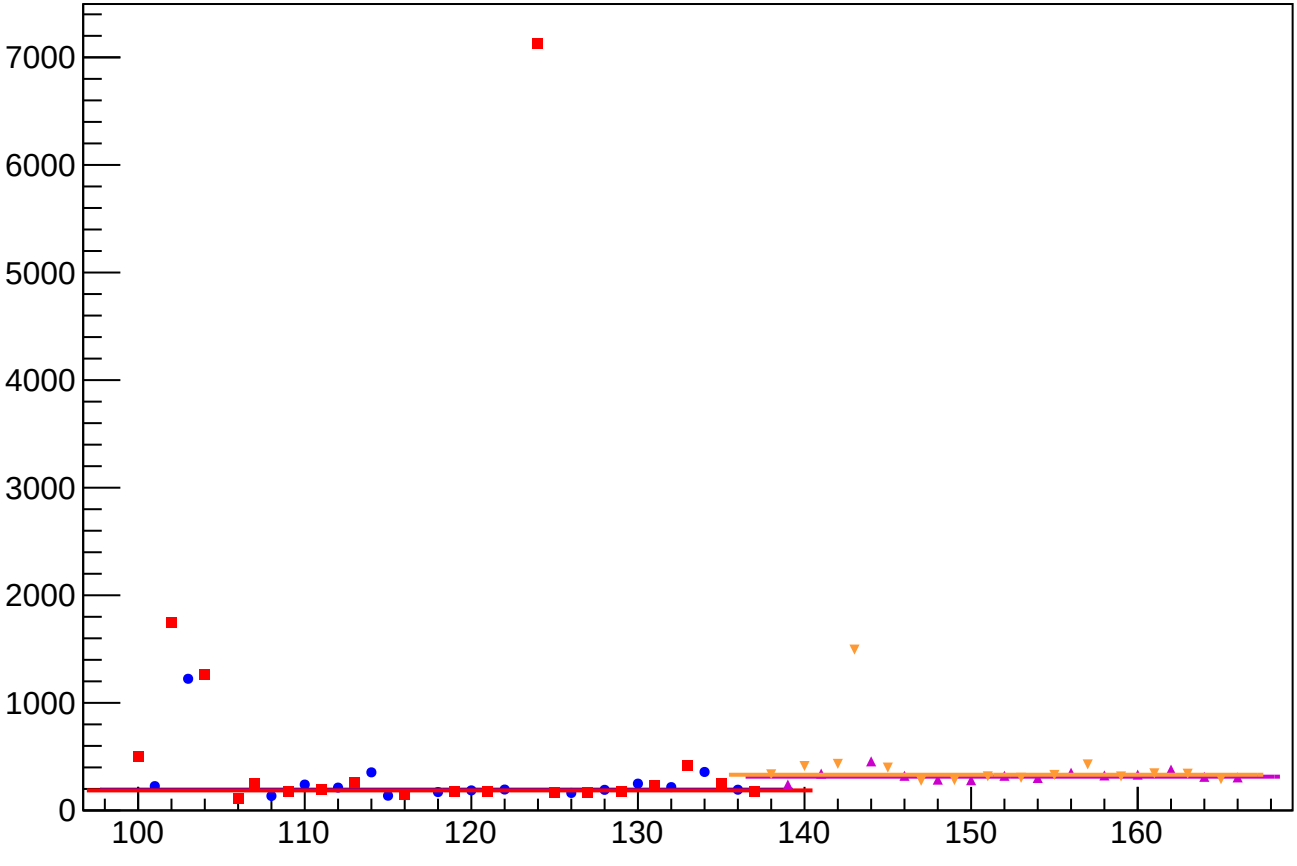
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.005+/-0.043 χ^2/NDF: 77.8/63

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 332.046+/-0.071 χ^2/NDF:1387227.7/14

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.017+/-0.067 χ^2/NDF:444408.7/13

Left: 322.463+/-0.049 χ^2/NDF: 1865488.2/28

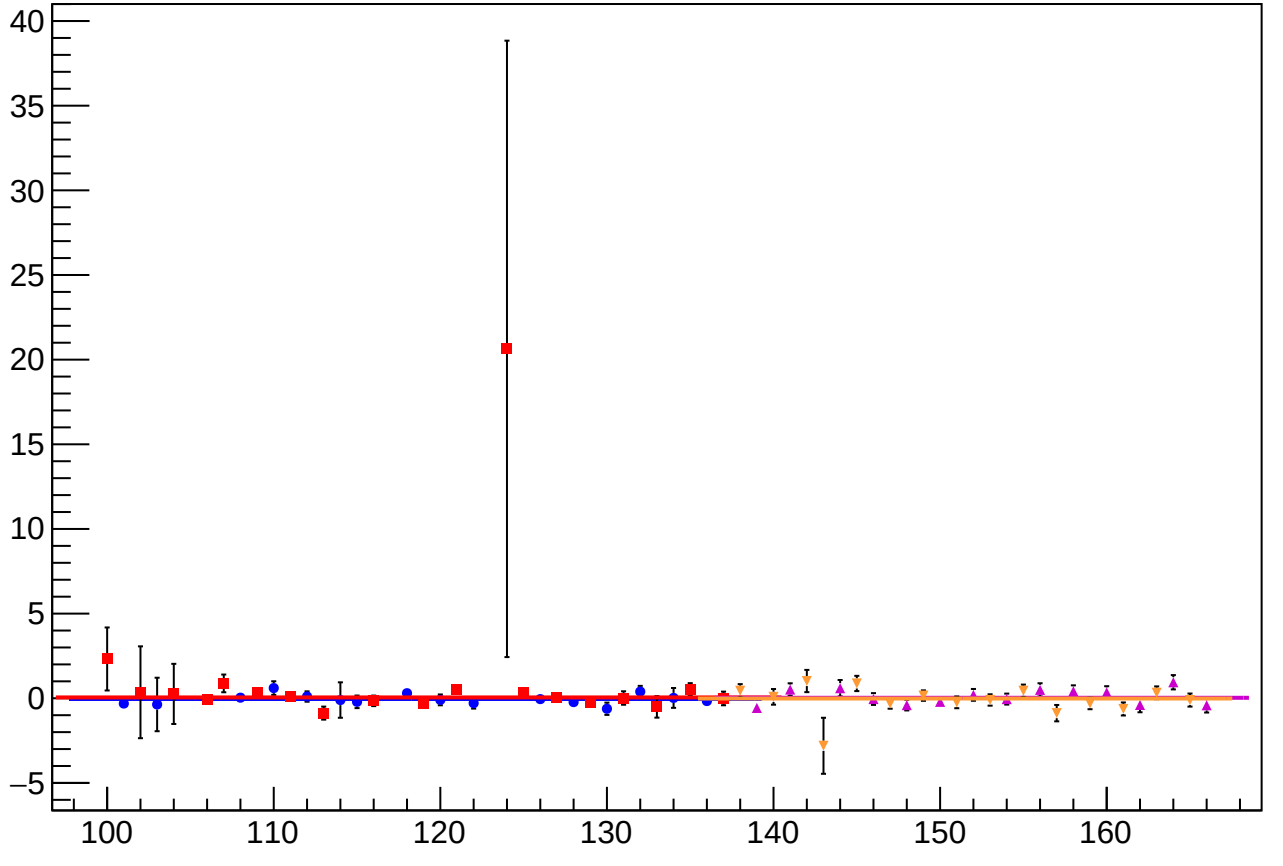
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.788+/-0.043 χ^2/NDF:3792127.8/29

Out: 241.464+/-0.044 χ^2/NDF:6451630.1/33

All: 241.631+/-0.031 χ^2/NDF: 10243785.9/63

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.028+/-0.095 χ^2/NDF:21.0/13

Left: 0.008+/-0.069 χ^2/NDF: 42.4/28

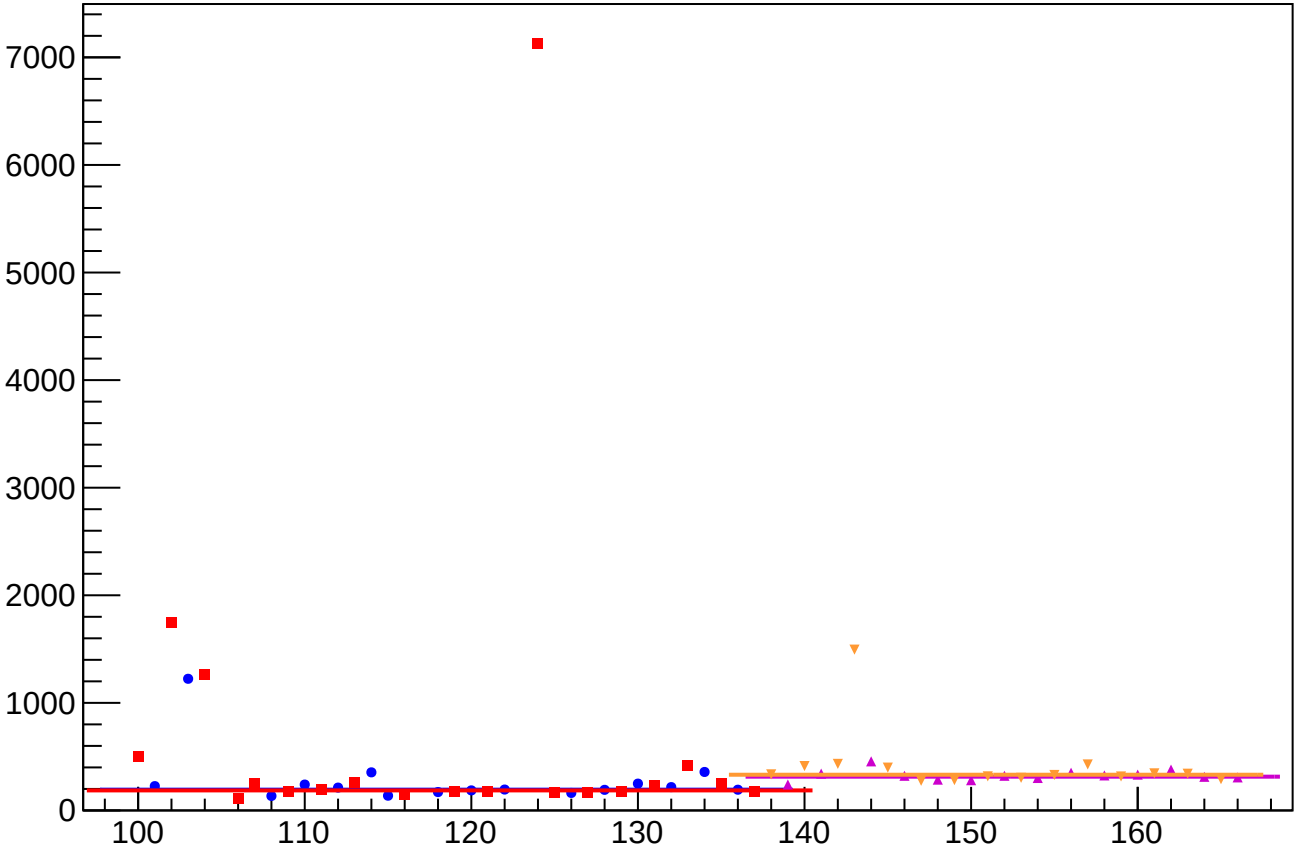
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.013+/-0.060 χ^2/NDF:33.0/29

Out: 0.025+/-0.062 χ^2/NDF:44.5/33

All: 0.005+/-0.043 χ^2/NDF: 77.8/63

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 332.046+/-0.071 χ^2/NDF:1387227.7/14

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.017+/-0.067 χ^2/NDF:444408.7/13

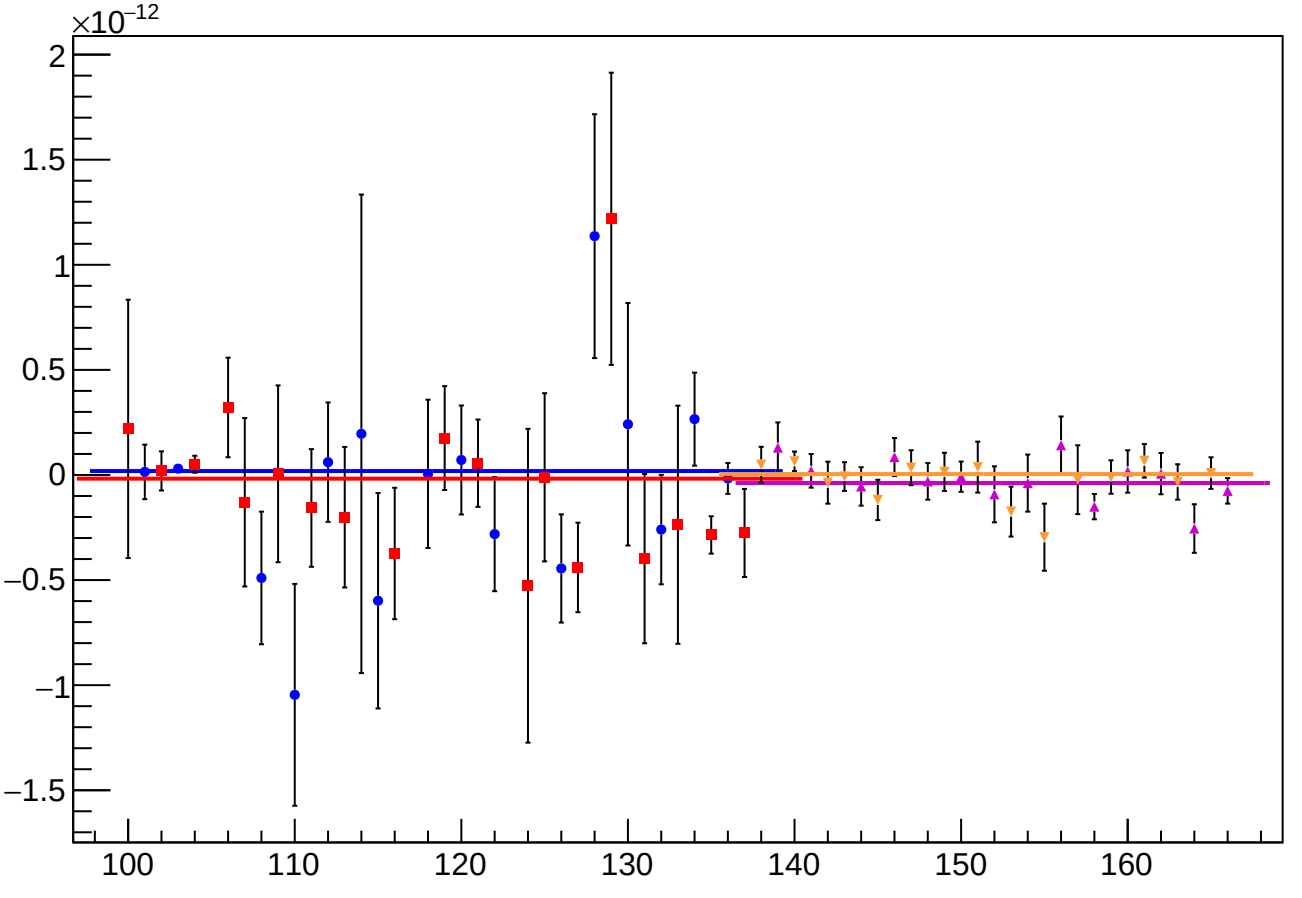
Left: 322.463+/-0.049 χ^2/NDF: 1865488.2/28

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.788+/-0.043 χ^2/NDF:3792127.8/29

Out: 241.464+/-0.044 χ^2/NDF:6451630.1/33

All: 241.631+/-0.031 χ^2/NDF: 10243785.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/13

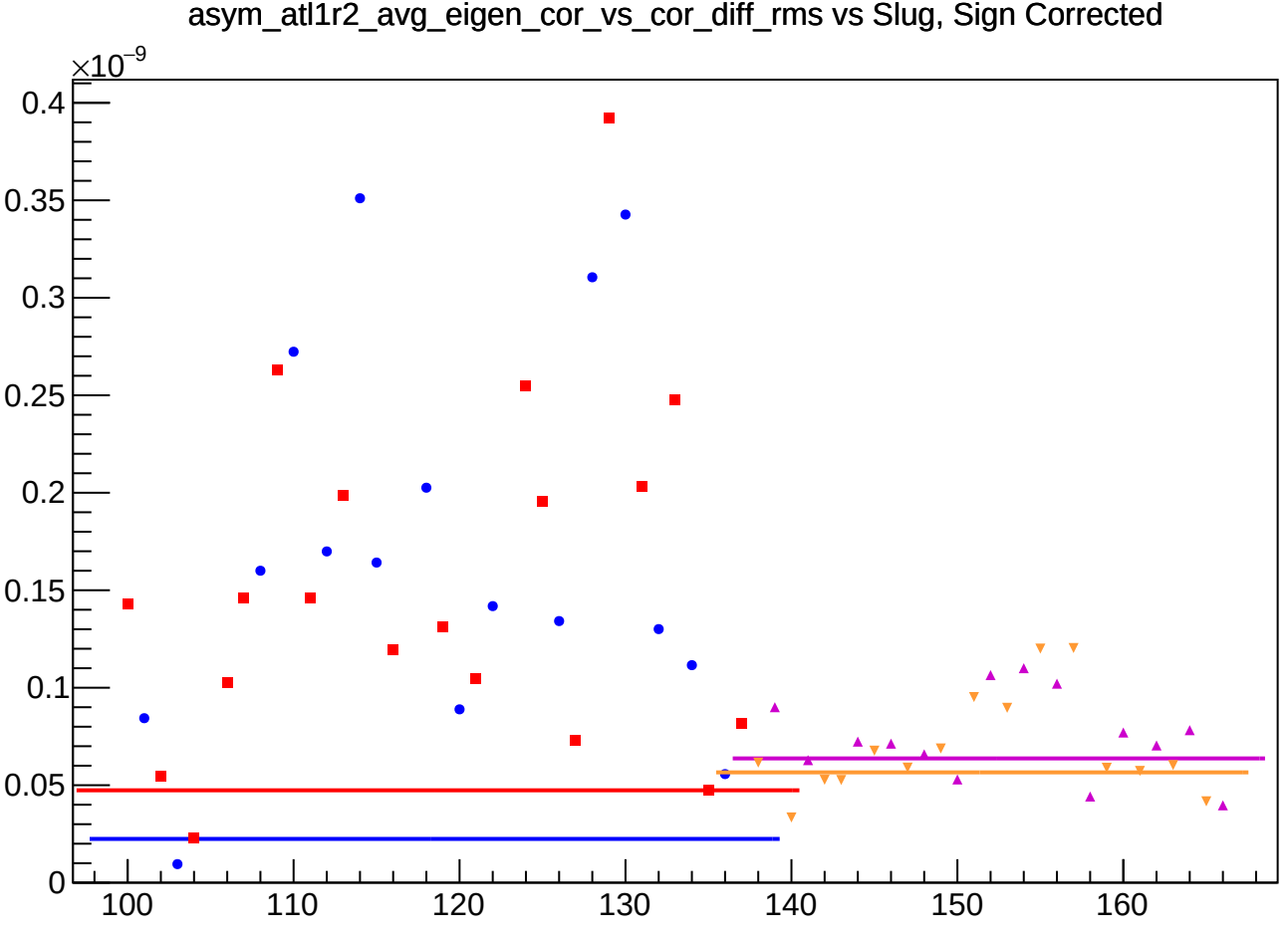
Left: -0.000+/-0.000 χ^2/NDF: 26.8/28

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:37.0/29

Out: -0.000+/-0.000 χ^2/NDF:38.2/33

All: -0.000+/-0.000 χ^2/NDF: 75.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1639630.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1369174.1/13

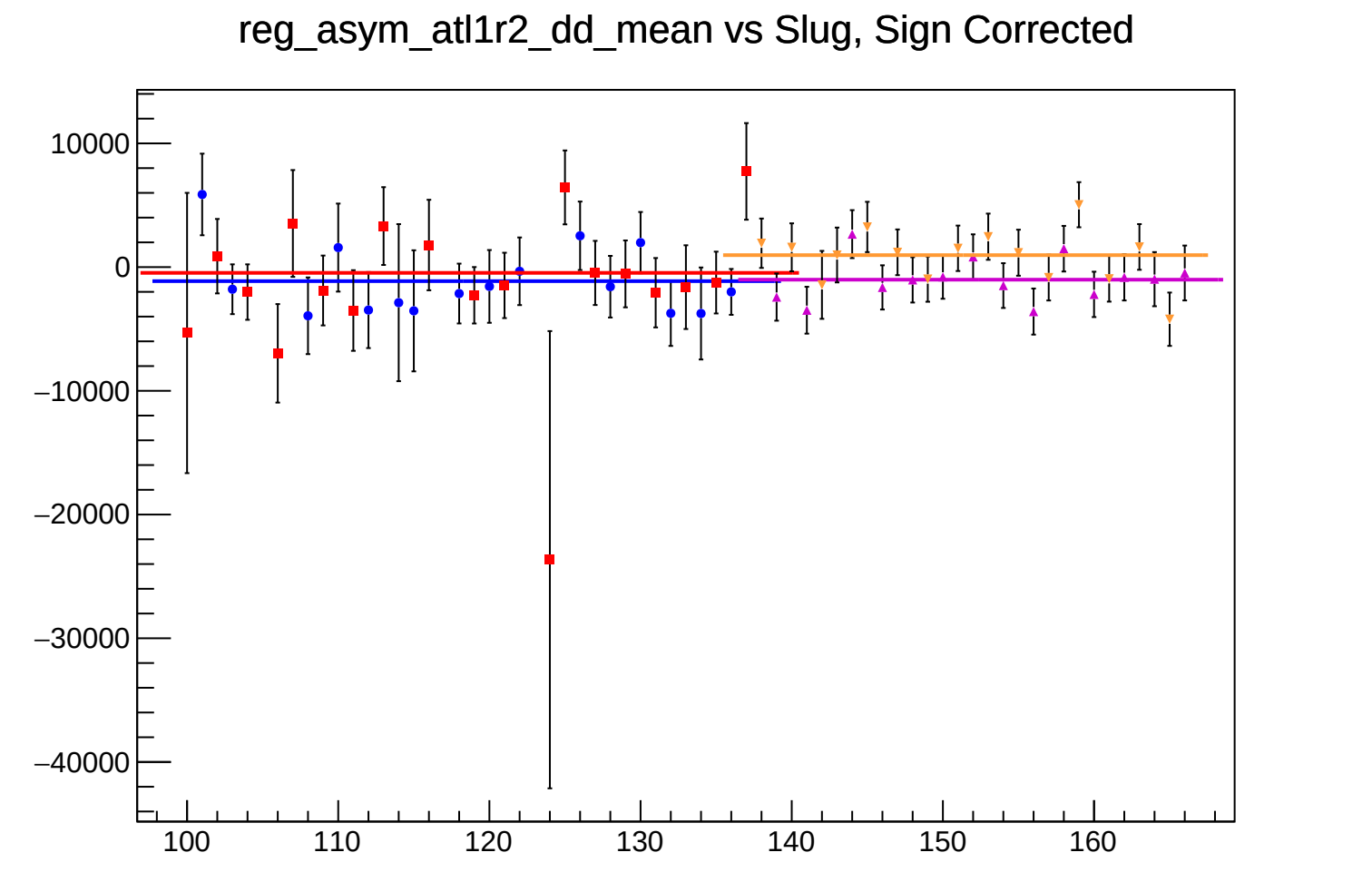
Left: 0.000+/-0.000 χ^2/NDF: 3108316.1/28

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11235867.5/29

Out: 0.000+/-0.000 χ^2/NDF:5992989.5/33

All: 0.000+/-0.000 χ^2/NDF: 17872564.5/63



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.649+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1016.502+/-504.086 χ^2/NDF:11.3/13

Left: -22.193+/-356.041 χ^2/NDF: 36.2/28

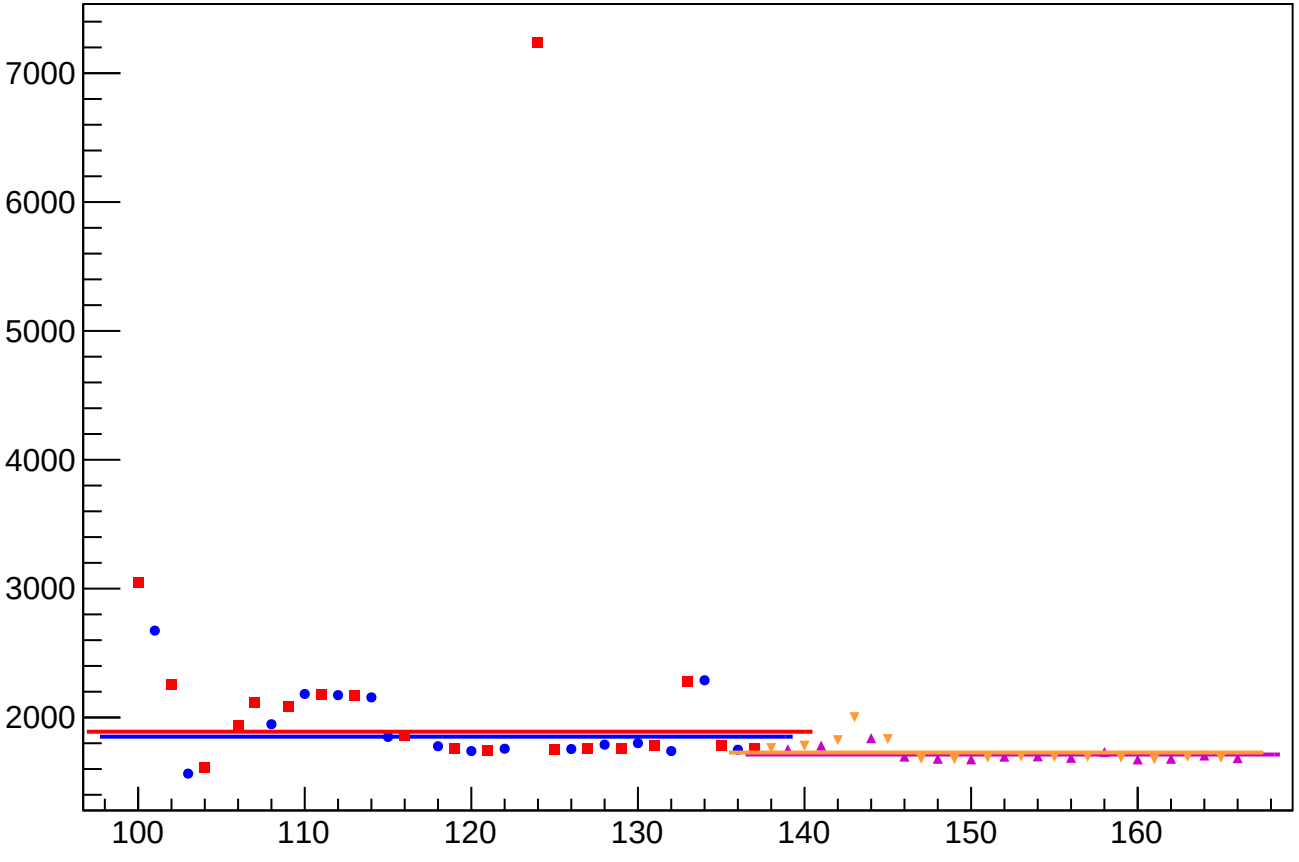
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1057.316+/-407.808 χ^2/NDF:23.6/29

Out: 485.099+/-409.621 χ^2/NDF:39.9/33

All: -289.530+/-289.002 χ^2/NDF: 70.6/63

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

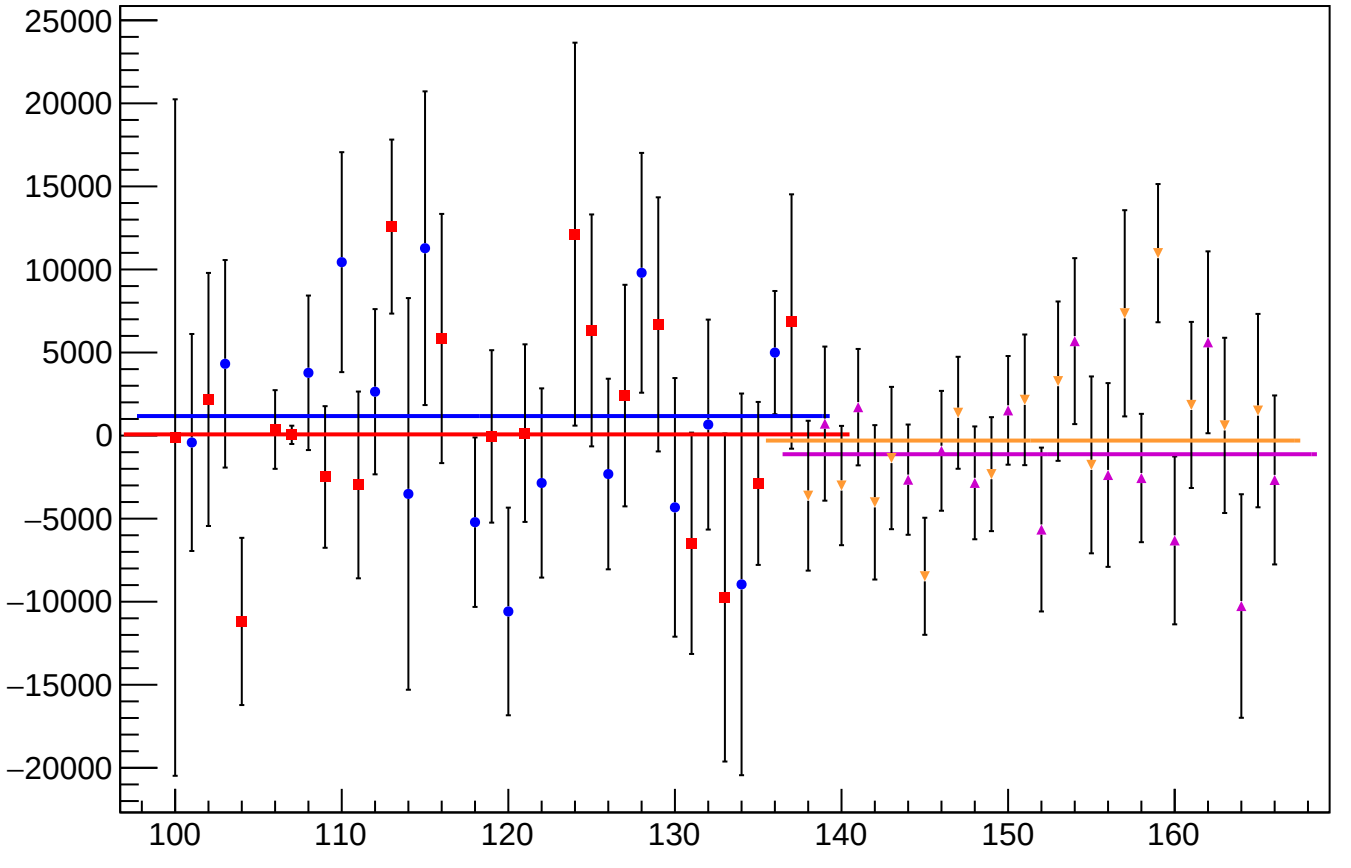
Left: 1720.198+/-0.252 χ^2/NDF: 67412.5/28

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1760.326+/-0.288 χ^2/NDF:328852.0/29

Out: 1782.536+/-0.289 χ^2/NDF:478528.2/33

All: 1771.390+/-0.204 χ^2/NDF: 810335.6/63



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -299.720+/-1108.583 χ^2/NDF:18.0/14

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1121.783+/-1125.178 χ^2/NDF:9.3/13

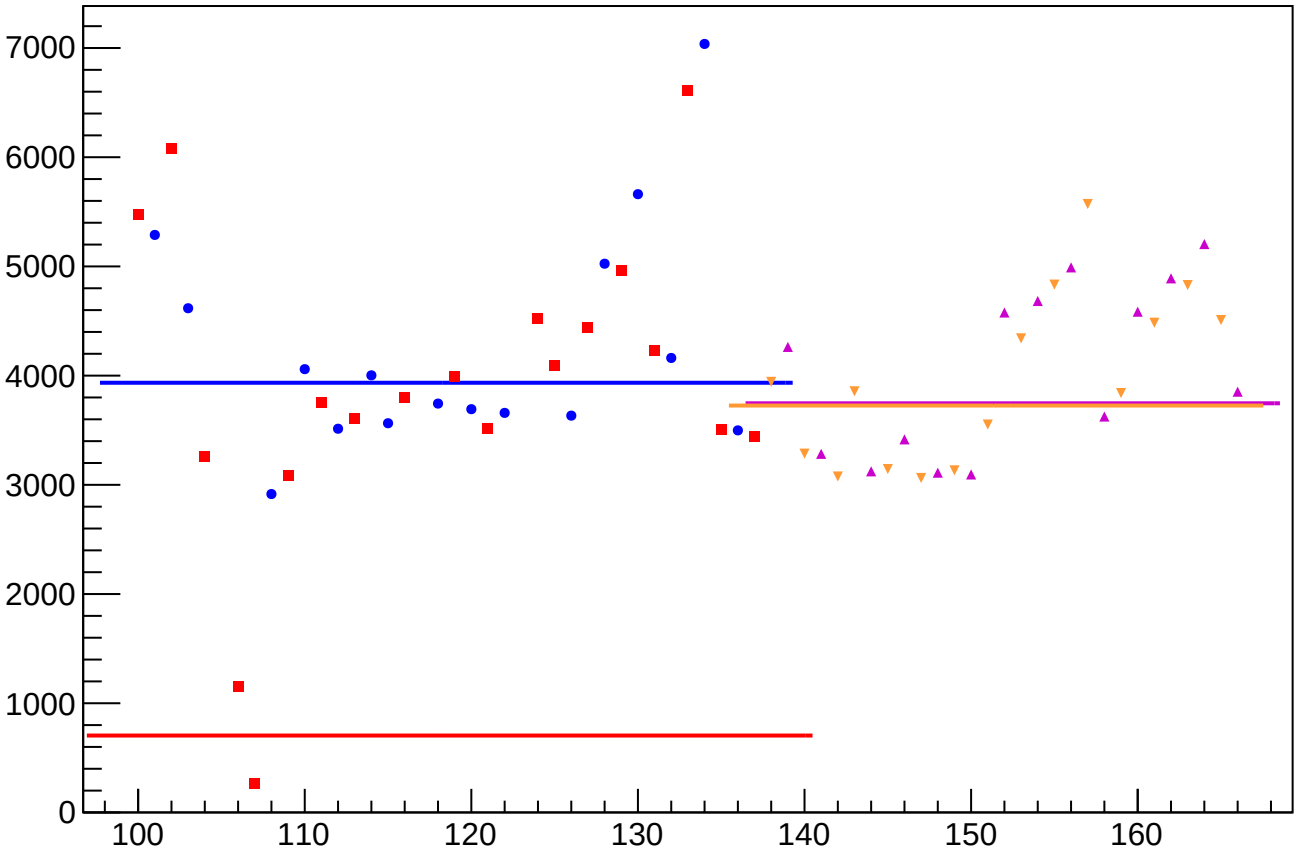
Left: -704.645+/-789.688 χ^2/NDF: 27.6/28

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -296.120+/-900.550 χ^2/NDF:24.6/29

Out: 8.538+/-460.086 χ^2/NDF:36.0/33

All: -54.522+/-409.712 χ^2/NDF: 60.7/63



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3726.156+/-0.784 χ^2/NDF:738848.1/14

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3746.702+/-0.796 χ^2/NDF:763844.2/13

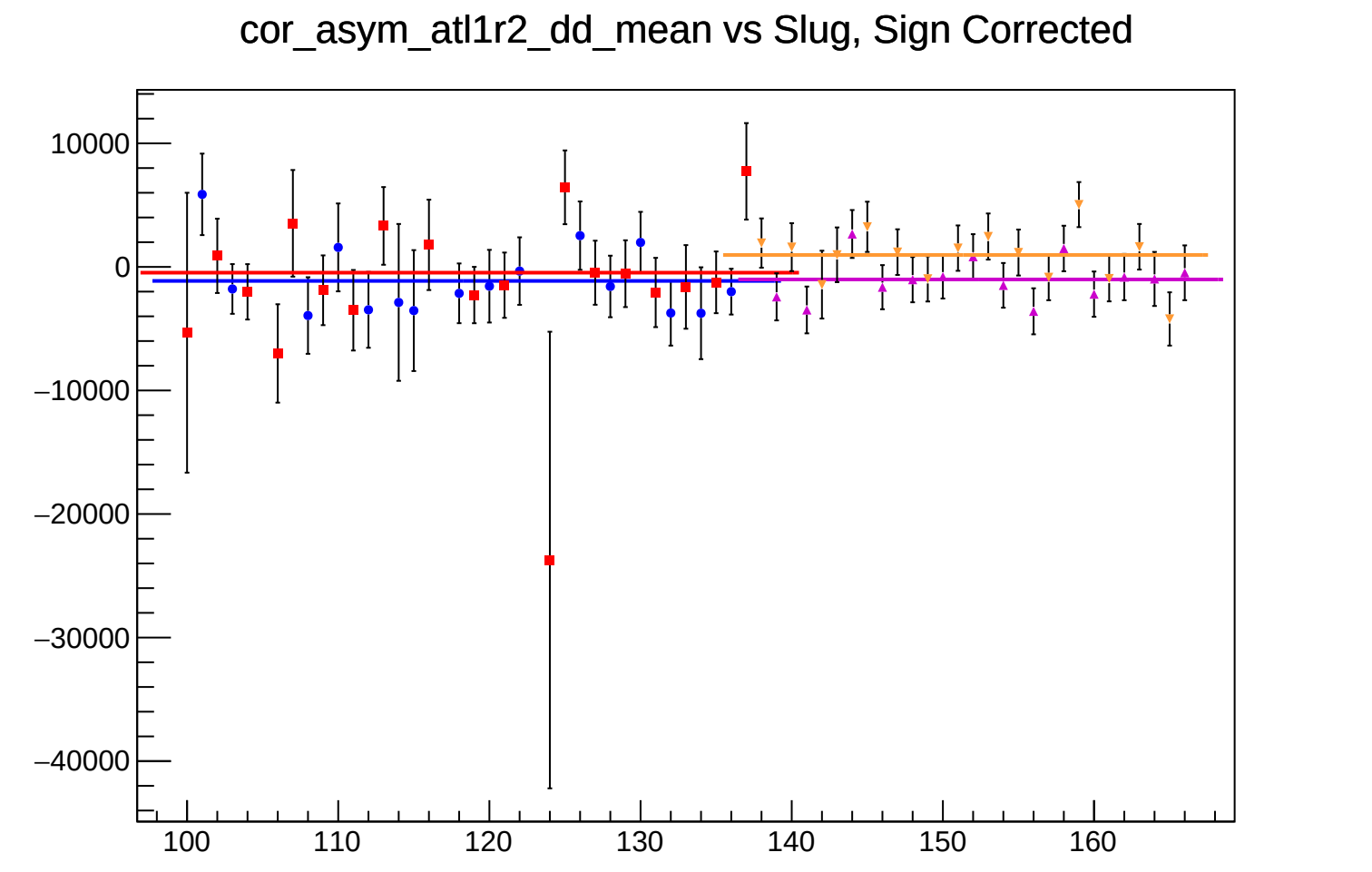
Left: 3736.276+/-0.558 χ^2/NDF: 1503030.7/28

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3814.279+/-0.637 χ^2/NDF:1344041.2/29

Out: 1224.863+/-0.325 χ^2/NDF:23657893.1/33

All: 1760.837+/-0.290 χ^2/NDF: 38114821.8/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1016.456+/-504.086 χ^2/NDF:11.3/13

Left: -22.132+/-356.041 χ^2/NDF: 36.2/28

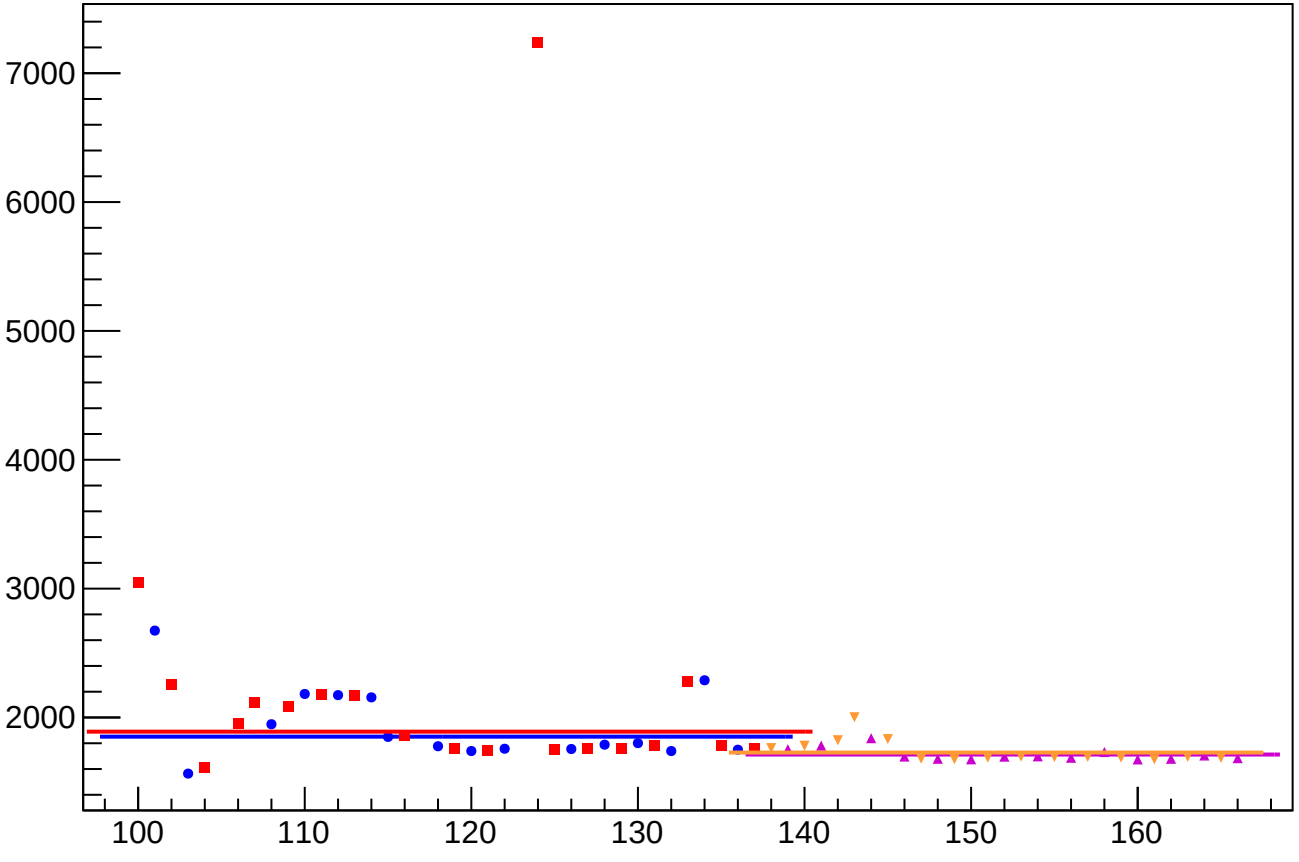
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1057.139+/-407.808 χ^2/NDF:23.6/29

Out: 485.023+/-409.621 χ^2/NDF:39.9/33

All: -289.479+/-289.002 χ^2/NDF: 70.6/63

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

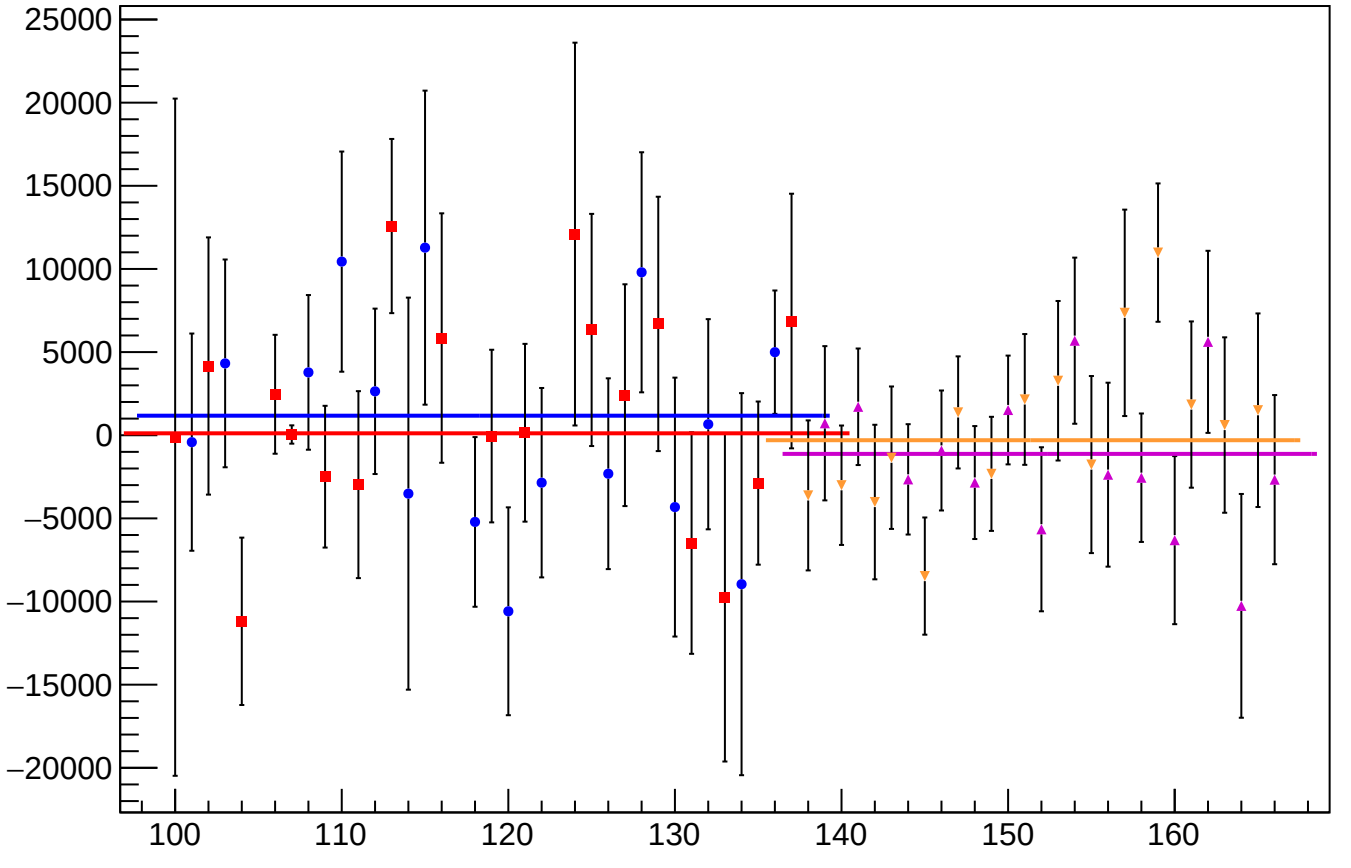
Left: 1720.198+/-0.252 χ^2/NDF: 67412.5/28

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1760.326+/-0.288 χ^2/NDF:328851.5/29

Out: 1782.674+/-0.289 χ^2/NDF:479122.8/33

All: 1771.459+/-0.204 χ^2/NDF: 810966.3/63



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -299.734+/-1108.580 χ^2/NDF:18.0/14

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1121.779+/-1125.178 χ^2/NDF:9.3/13

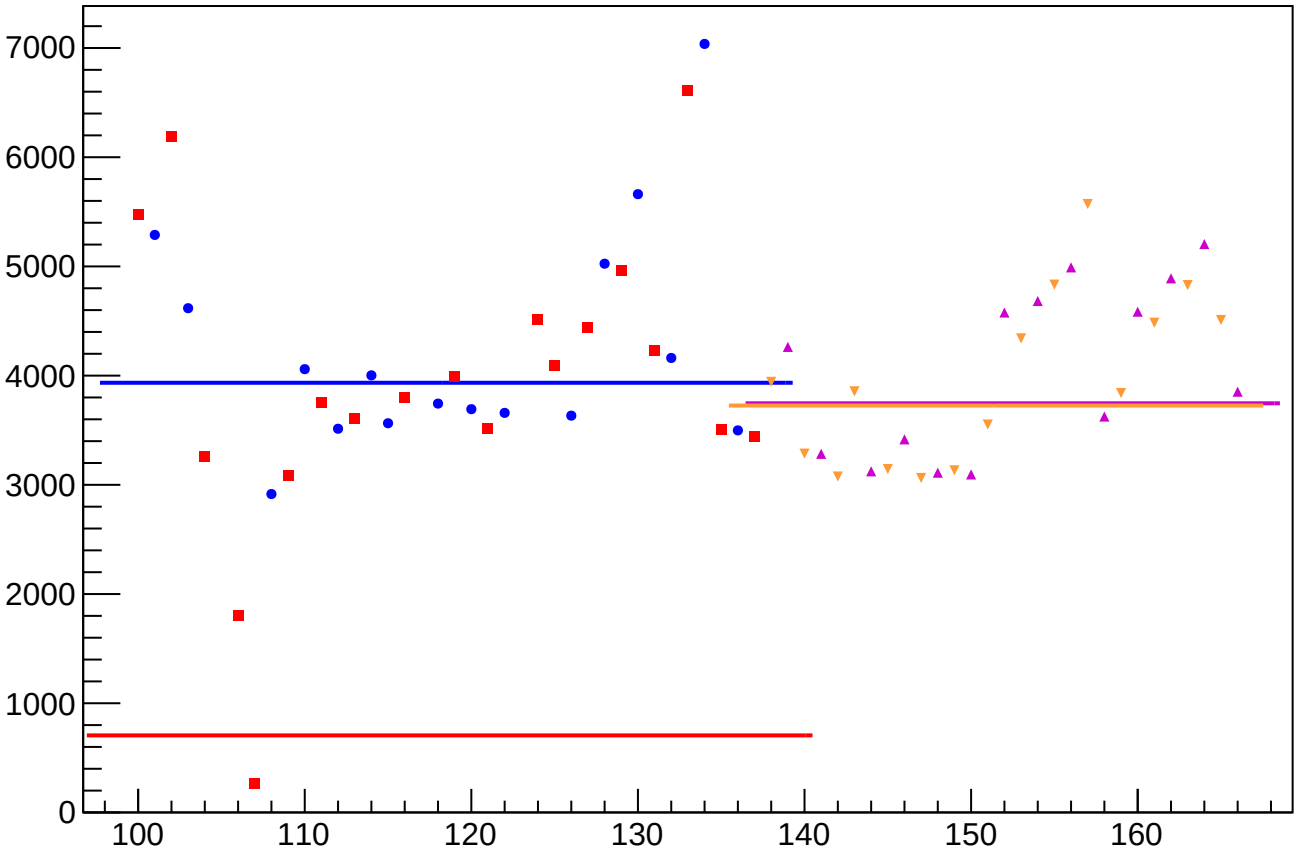
Left: -704.649+/-789.687 χ^2/NDF: 27.6/28

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -296.129+/-900.551 χ^2/NDF:24.6/29

Out: 42.775+/-465.036 χ^2/NDF:36.7/33

All: -28.572+/-413.197 χ^2/NDF: 61.3/63



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3746.702+/-0.796 χ^2/NDF:763832.3/13

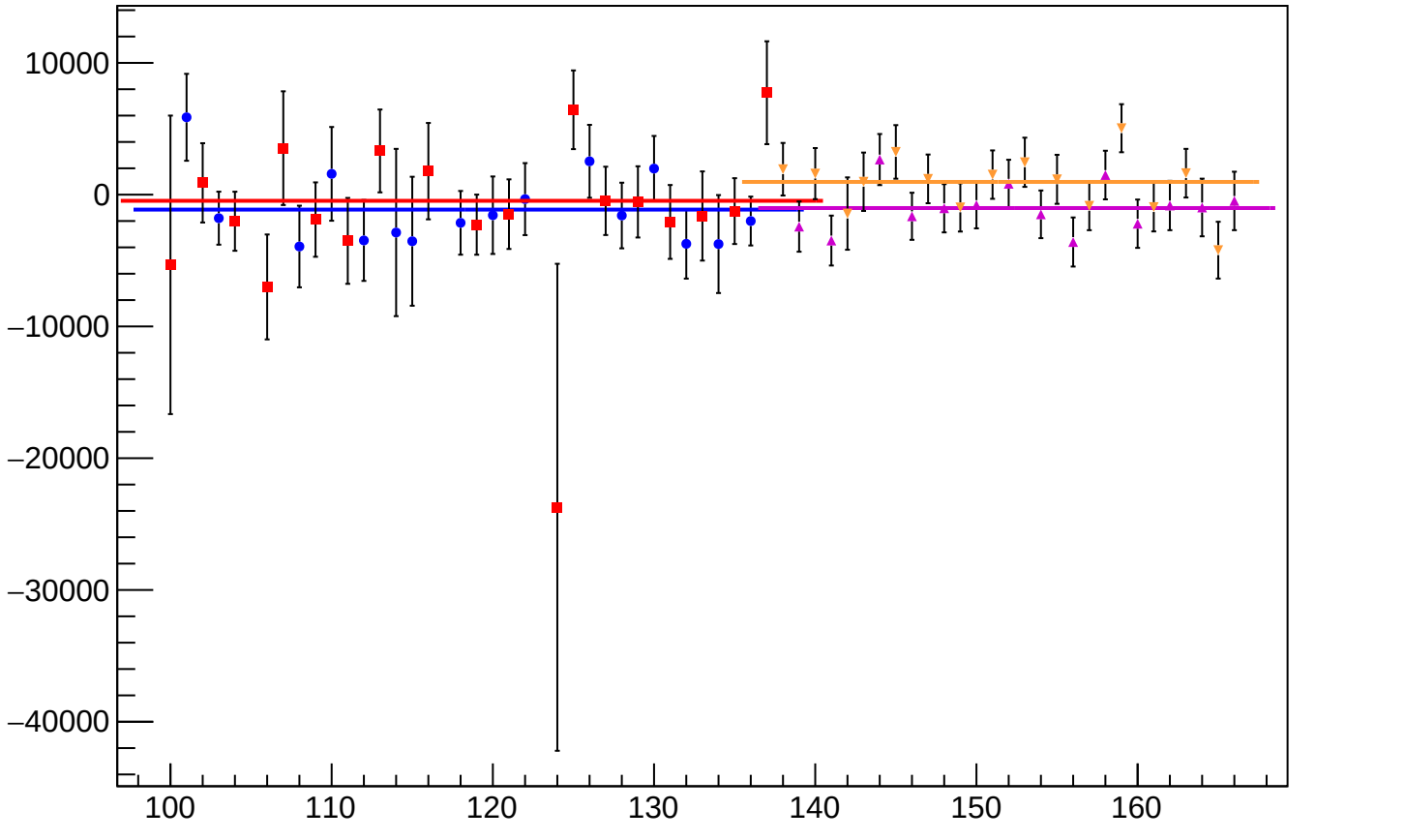
Left: 3736.271+/-0.558 χ^2/NDF: 1503025.4/28

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3814.282+/-0.637 χ^2/NDF:1344055.3/29

Out: 1237.142+/-0.329 χ^2/NDF:23721043.9/33

All: 1779.685+/-0.292 χ^2/NDF: 37996013.1/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1016.456+/-504.086 χ^2/NDF:11.3/13

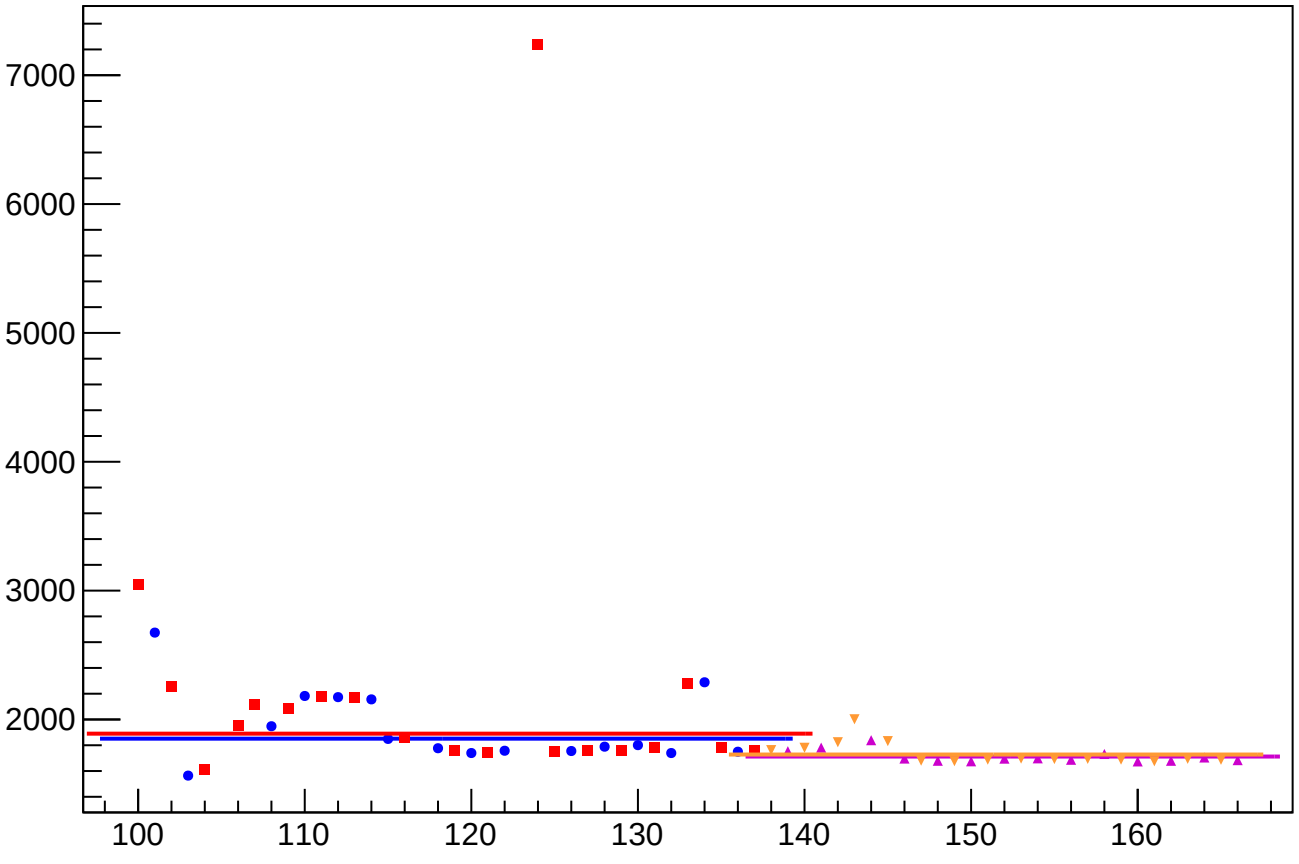
Left: -22.132+/-356.041 χ^2/NDF: 36.2/28

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1057.139+/-407.808 χ^2/NDF:23.6/29

Out: 485.023+/-409.621 χ^2/NDF:39.9/33

All: -289.479+/-289.002 χ^2/NDF: 70.6/63



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1712.389+/-0.356 χ^2/NDF:16522.7/13

Left: 1720.198+/-0.252 χ^2/NDF: 67412.5/28

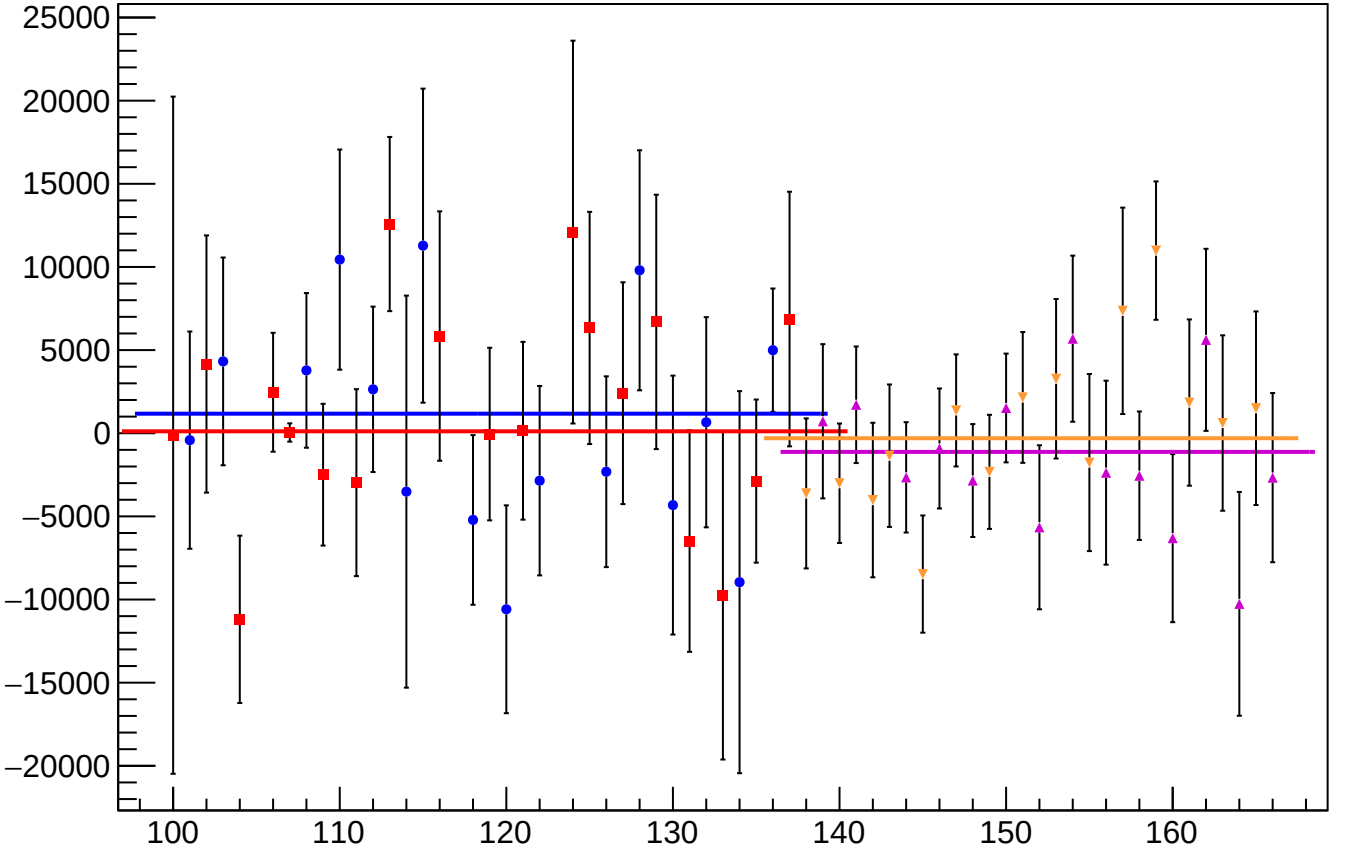
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1760.326+/-0.288 χ^2/NDF:328851.5/29

Out: 1782.674+/-0.289 χ^2/NDF:479122.8/33

All: 1771.459+/-0.204 χ^2/NDF: 810966.3/63

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -299.734+/-1108.580 χ^2/NDF:18.0/14

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1121.779+/-1125.178 χ^2/NDF:9.3/13

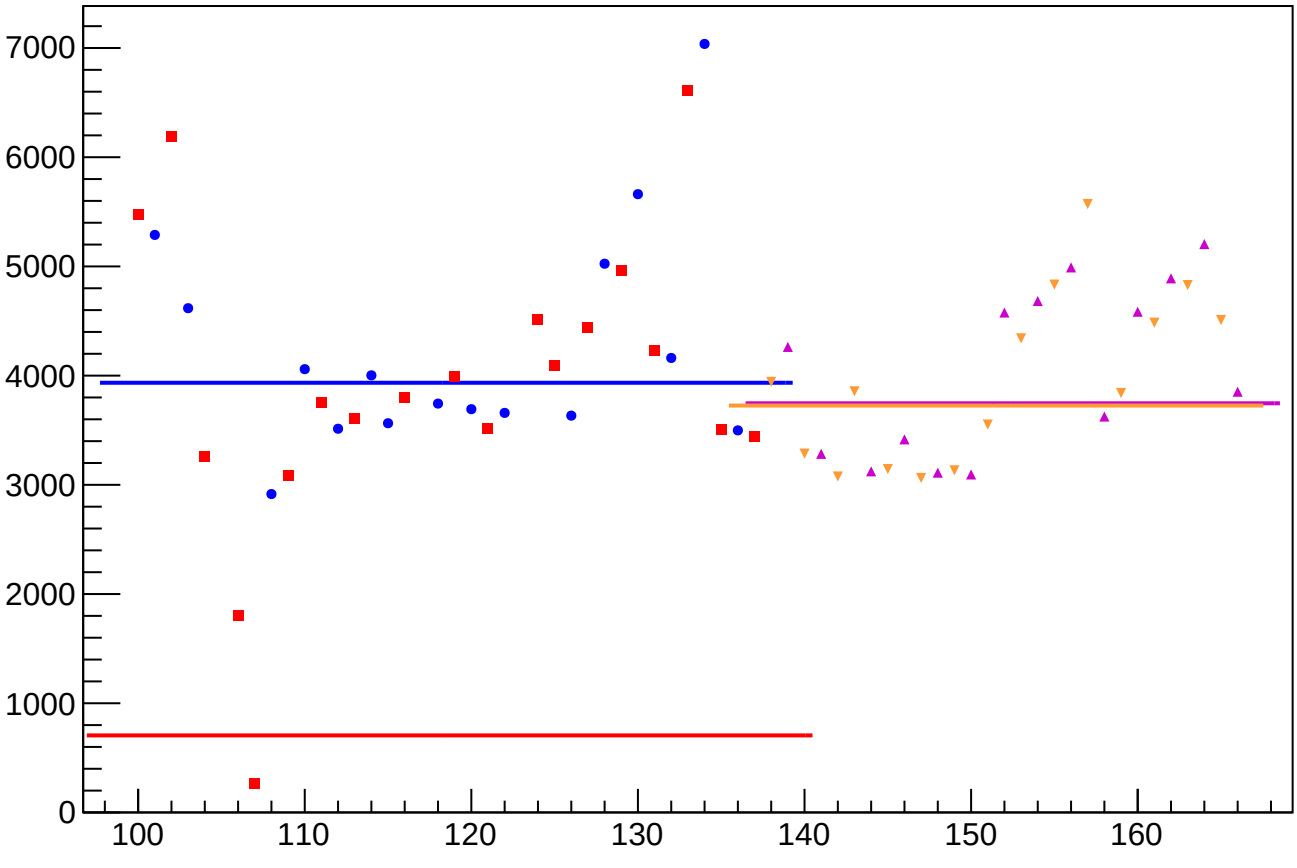
Left: -704.649+/-789.687 χ^2/NDF: 27.6/28

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -296.129+/-900.551 χ^2/NDF:24.6/29

Out: 42.775+/-465.036 χ^2/NDF:36.7/33

All: -28.572+/-413.197 χ^2/NDF: 61.3/63



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3746.702+/-0.796 χ^2/NDF:763832.3/13

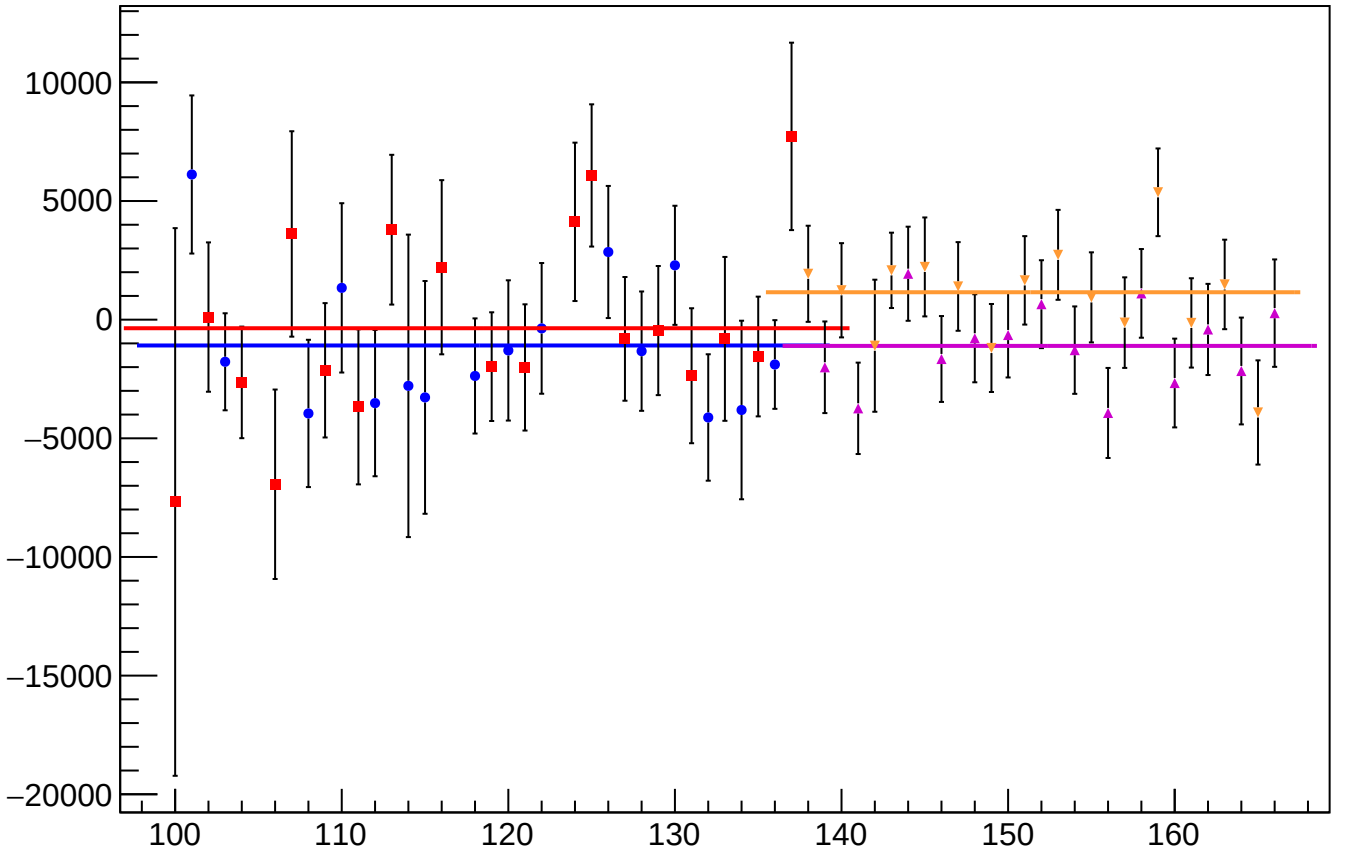
Left: 3736.271+/-0.558 χ^2/NDF: 1503025.4/28

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3814.282+/-0.637 χ^2/NDF:1344055.3/29

Out: 1237.142+/-0.329 χ^2/NDF:23721043.9/33

All: 1779.685+/-0.292 χ^2/NDF: 37996013.1/6



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.476+/-499.176 χ^2/NDF:15.3/14

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1105.366+/-512.944 χ^2/NDF:10.6/13

Left: 55.803+/-357.739 χ^2/NDF: 35.8/28

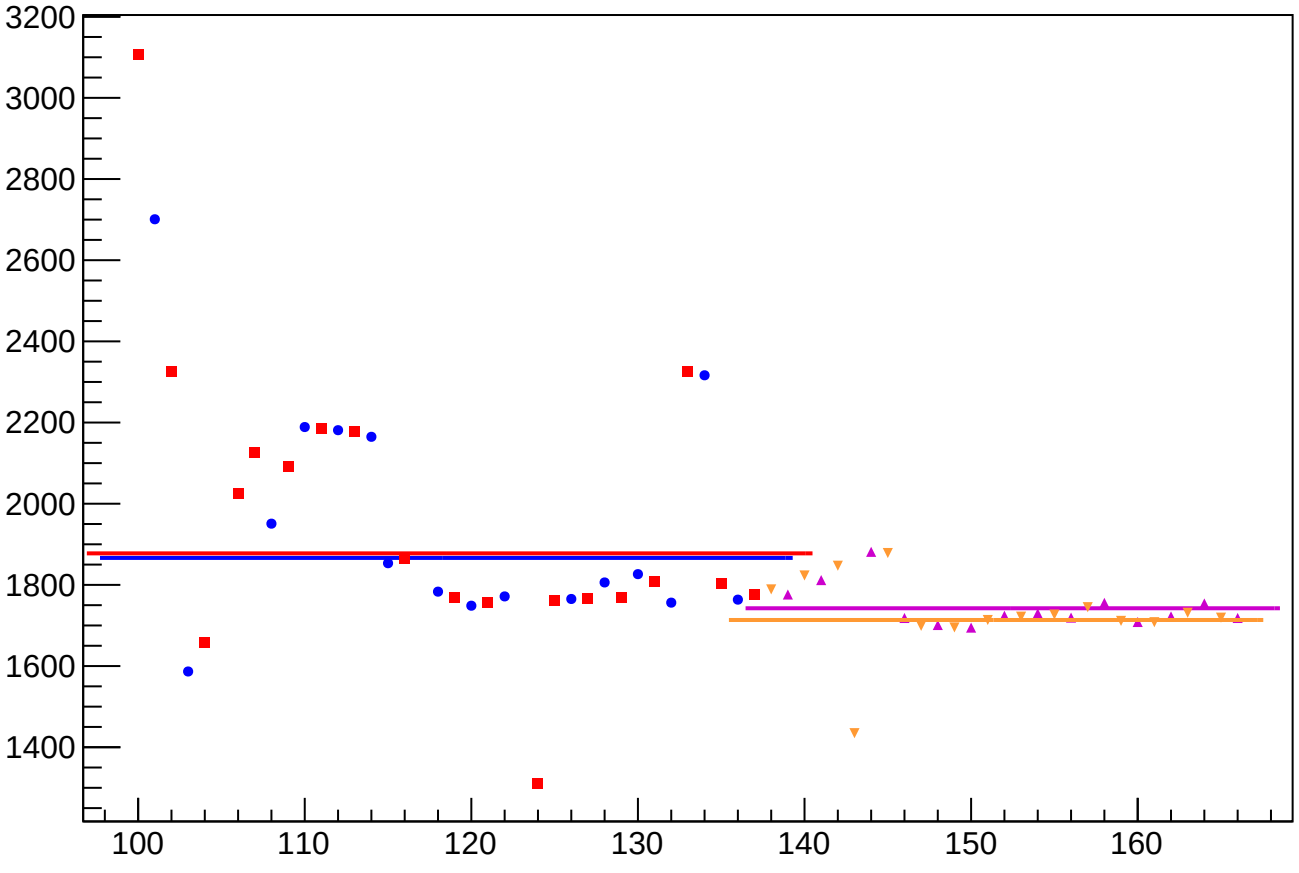
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1099.200+/-413.663 χ^2/NDF:23.8/29

Out: 643.873+/-406.357 χ^2/NDF:39.2/33

All: -212.134+/-289.886 χ^2/NDF: 72.0/63

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.512+/-0.353 χ^2/NDF:88934.0/14

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1742.392+/-0.363 χ^2/NDF:17647.8/13

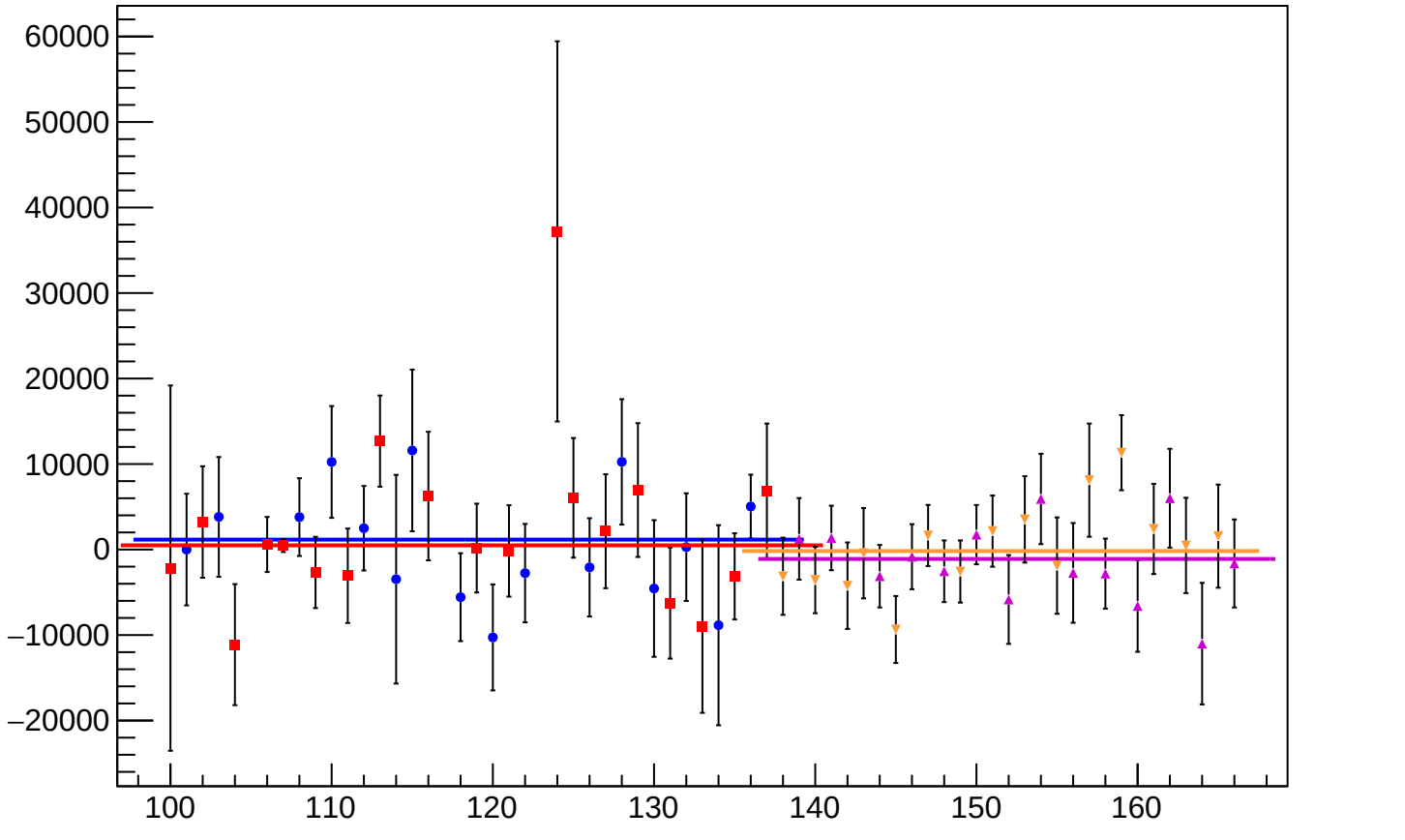
Left: 1727.559+/-0.253 χ^2/NDF: 109838.0/28

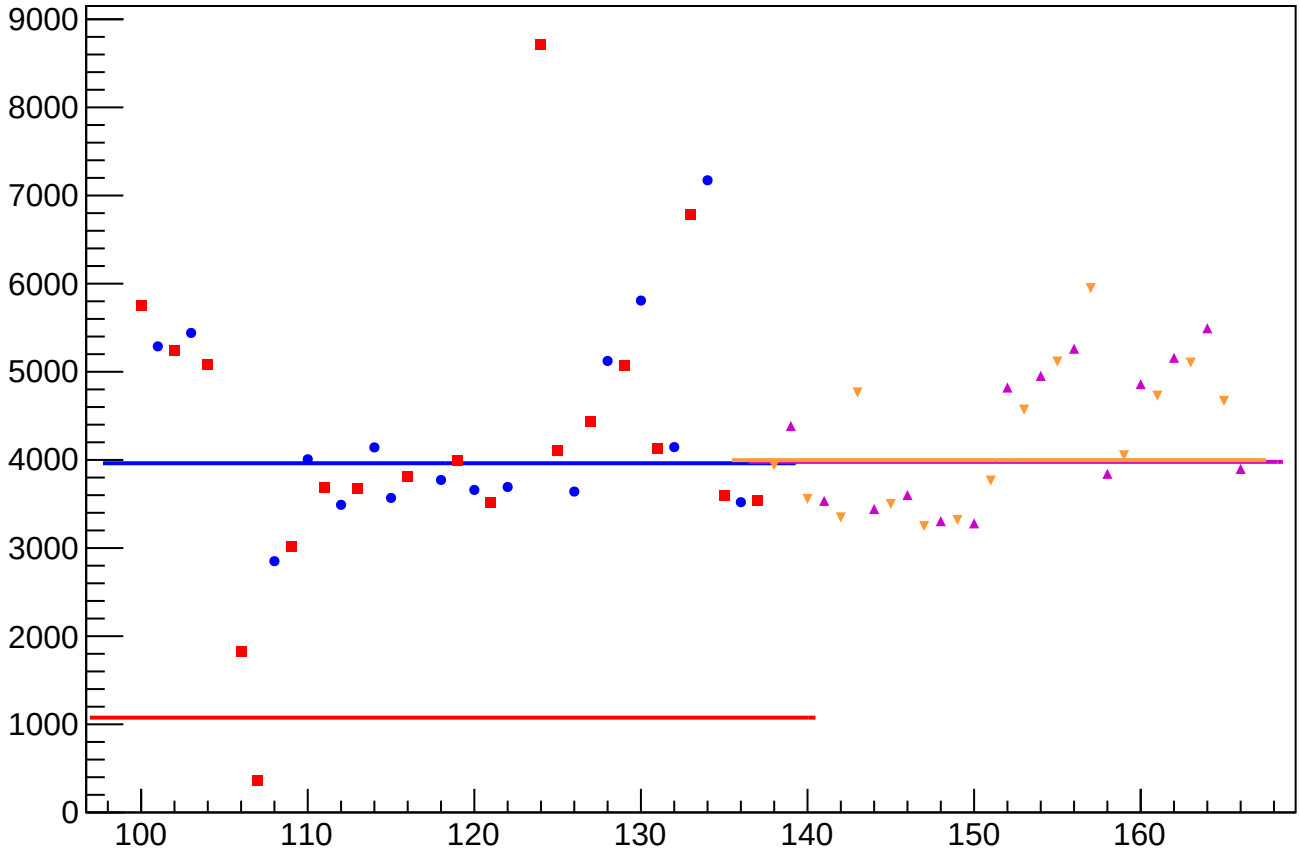
Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1785.770+/-0.293 χ^2/NDF:314817.3/29

Out: 1768.942+/-0.287 χ^2/NDF:413813.7/33

All: 1777.204+/-0.205 χ^2/NDF: 730315.8/63


asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 1161.124+/-1512.225 χ²/NDF: 13.7/15
Left Out: -173.272+/-1188.428 χ²/NDF:17.7/14
Right Out: 492.907+/-658.510 χ²/NDF: 16.9/18
Left In: -1100.484+/-1193.224 χ²/NDF:9.2/13
Left: -635.011+/-842.036 χ²/NDF: 27.2/28
Right: 599.419+/-603.751 χ²/NDF: 30.8/34
In: -232.691+/-936.733 χ²/NDF:24.2/29
Out: 336.417+/-575.997 χ²/NDF:34.9/33
All: 180.274+/-490.659 χ²/NDF: 59.4/63



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3997.336+/-0.840 χ^2/NDF:718050.8/14

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3978.040+/-0.844 χ^2/NDF:704247.3/13

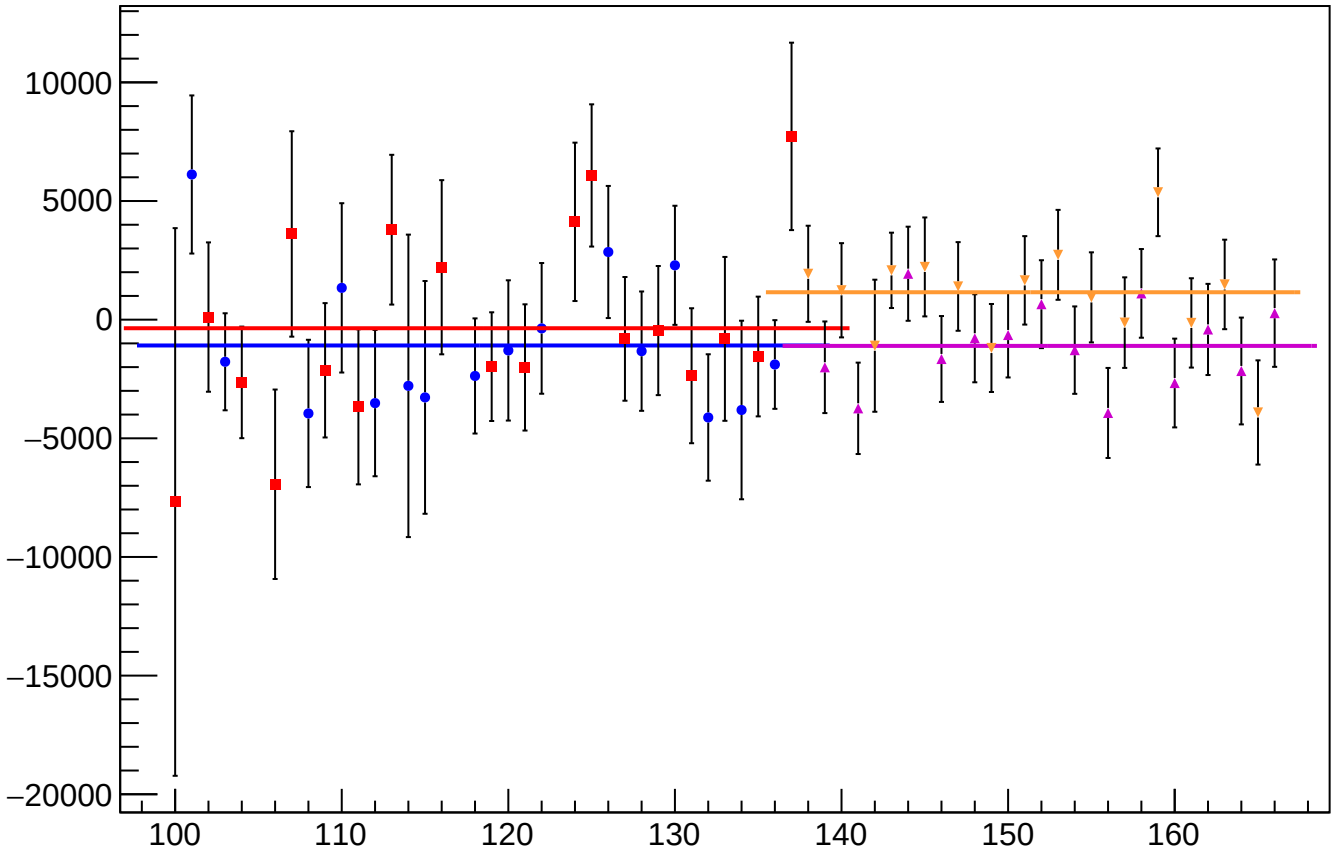
Left: 3987.727+/-0.595 χ^2/NDF: 1422560.7/28

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3972.026+/-0.662 χ^2/NDF:1372719.3/29

Out: 1762.207+/-0.407 χ^2/NDF:19522867.0/33

All: 2368.502+/-0.347 χ^2/NDF: 28972228.0/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.482+/-499.176 χ^2/NDF:15.3/14

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1105.368+/-512.944 χ^2/NDF:10.6/13

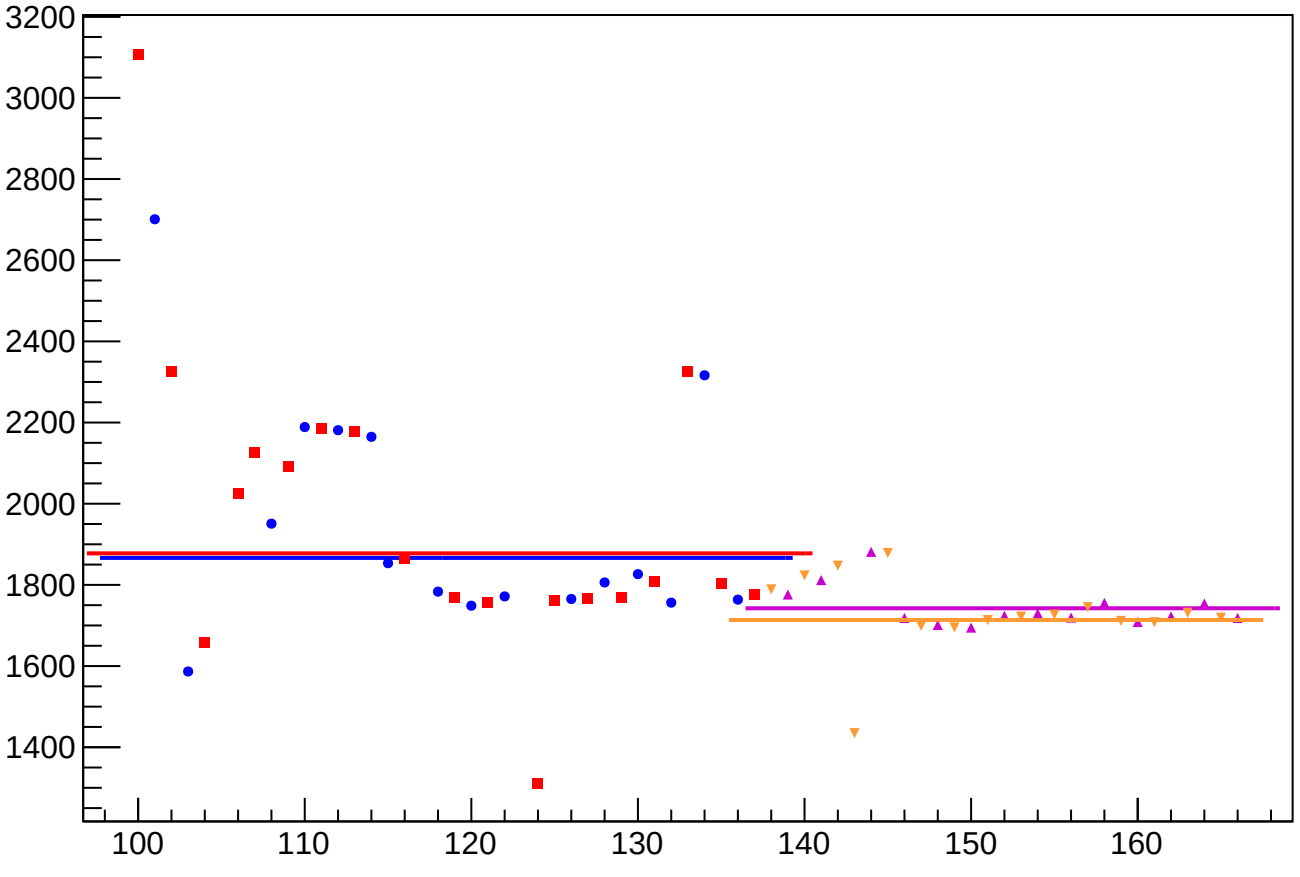
Left: 55.805+/-357.739 χ^2/NDF: 35.8/28

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1099.203+/-413.663 χ^2/NDF:23.8/29

Out: 643.875+/-406.357 χ^2/NDF:39.2/33

All: -212.134+/-289.886 χ^2/NDF: 72.0/63



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.513+/-0.353 χ^2/NDF:88933.1/14

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1742.393+/-0.363 χ^2/NDF:17647.7/13

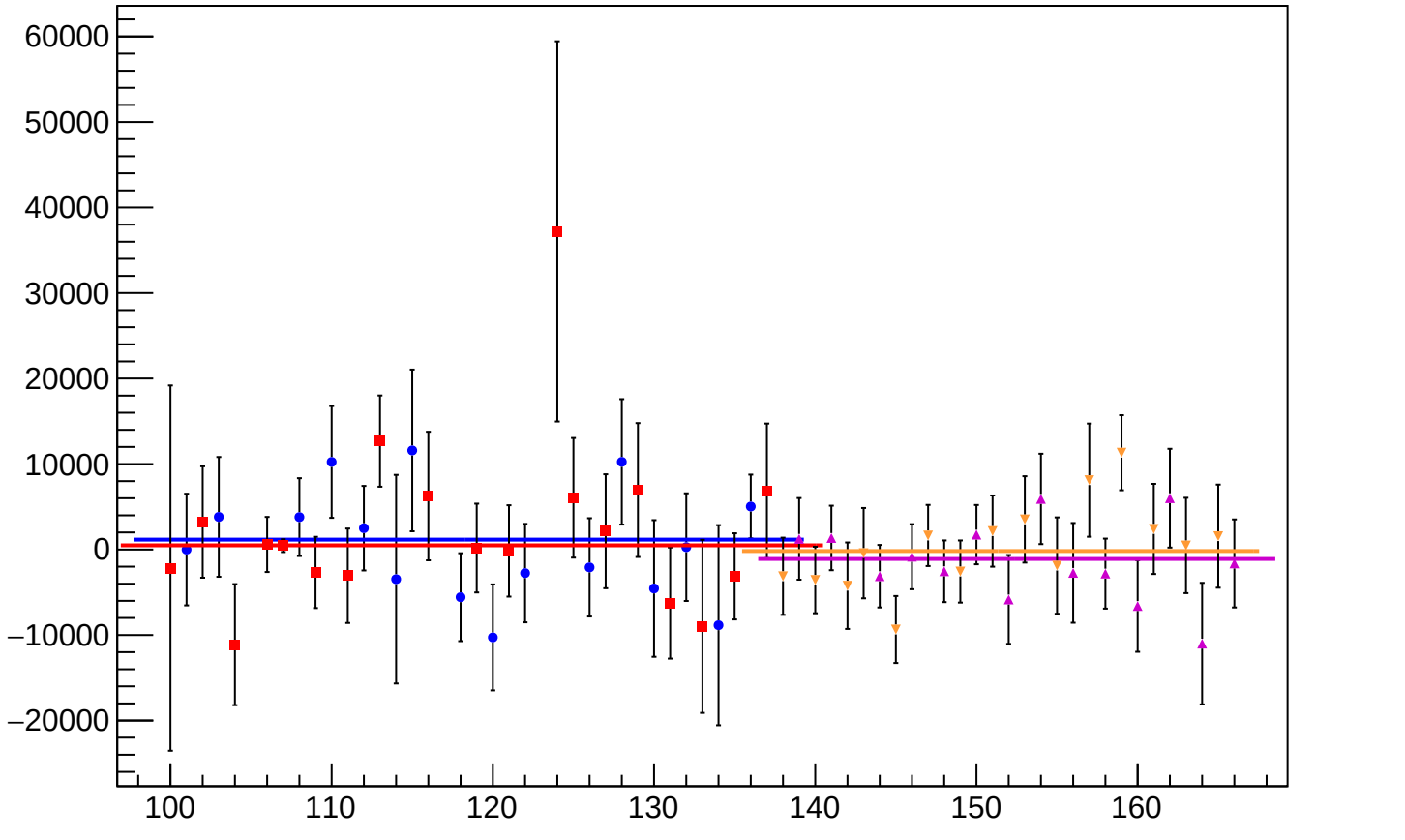
Left: 1727.560+/-0.253 χ^2/NDF: 109837.0/28

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1785.770+/-0.293 χ^2/NDF:314816.4/29

Out: 1768.943+/-0.287 χ^2/NDF:413812.2/33

All: 1777.204+/-0.205 χ^2/NDF: 730313.3/63



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -173.271+/-1188.429 χ^2/NDF:17.7/14

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -1100.483+/-1193.225 χ^2/NDF:9.2/13

Left: -635.010+/-842.037 χ^2/NDF: 27.2/28

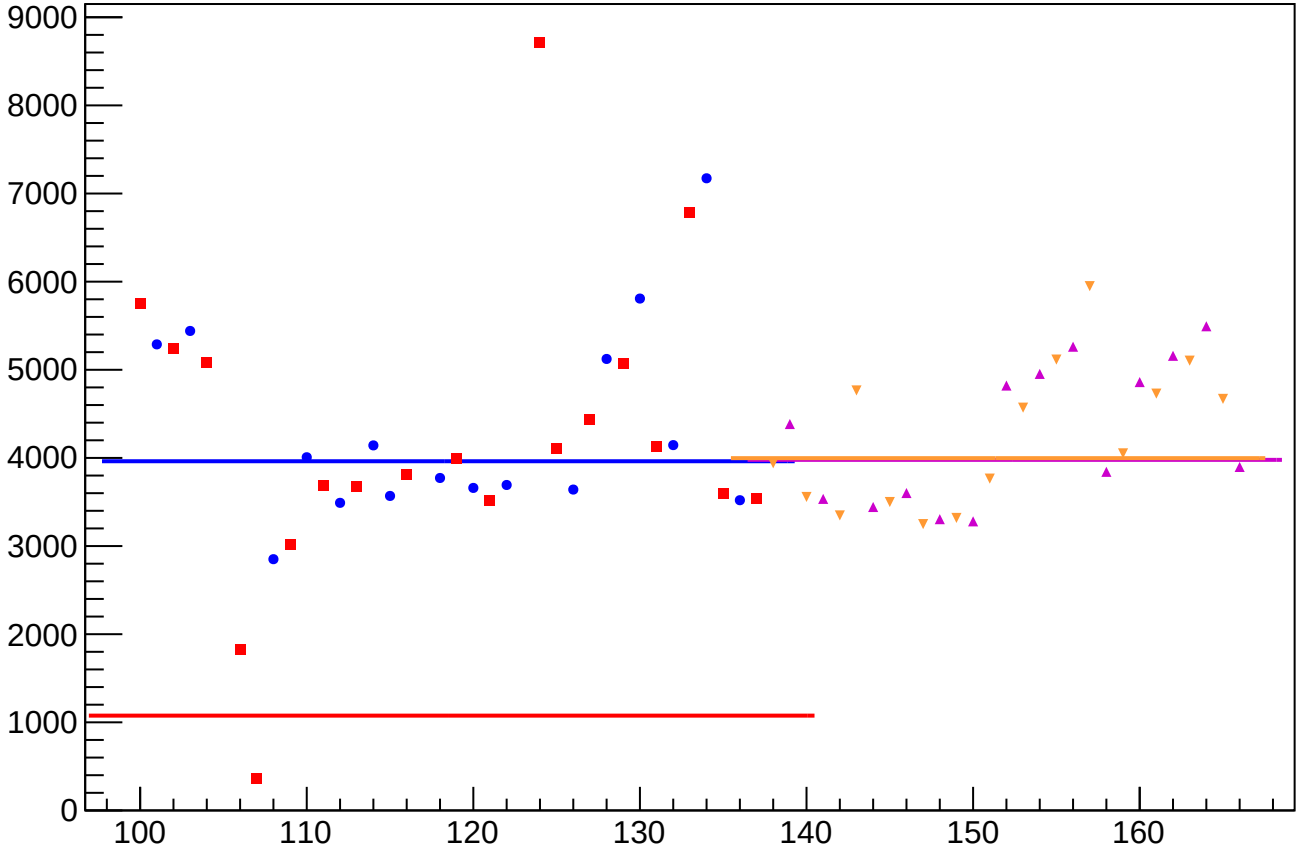
Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -232.695+/-936.733 χ^2/NDF:24.2/29

Out: 336.420+/-576.004 χ^2/NDF:34.9/33

All: 180.272+/-490.663 χ^2/NDF: 59.4/63

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3997.341+/-0.840 χ^2/NDF:718051.2/14

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3978.046+/-0.844 χ^2/NDF:704248.1/13

Left: 3987.732+/-0.595 χ^2/NDF: 1422561.8/28

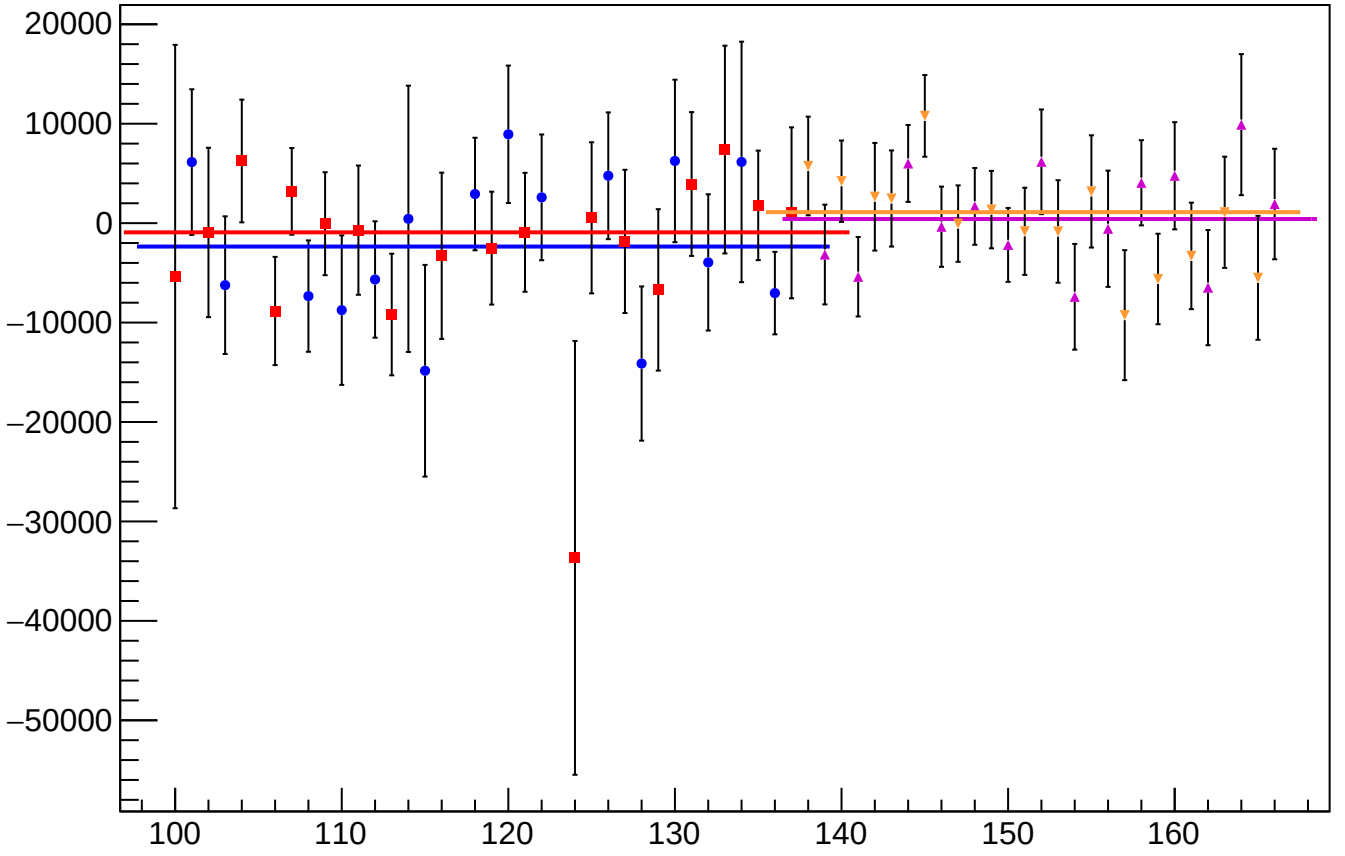
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3972.027+/-0.662 χ^2/NDF:1372716.6/29

Out: 1762.247+/-0.407 χ^2/NDF:19522485.9/33

All: 2368.543+/-0.347 χ^2/NDF: 28971496.1/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1106.024+/-1235.152 χ^2/NDF:14.2/14

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 414.935+/-1248.409 χ^2/NDF:13.4/13

Left: 764.168+/-878.034 χ^2/NDF: 27.8/28

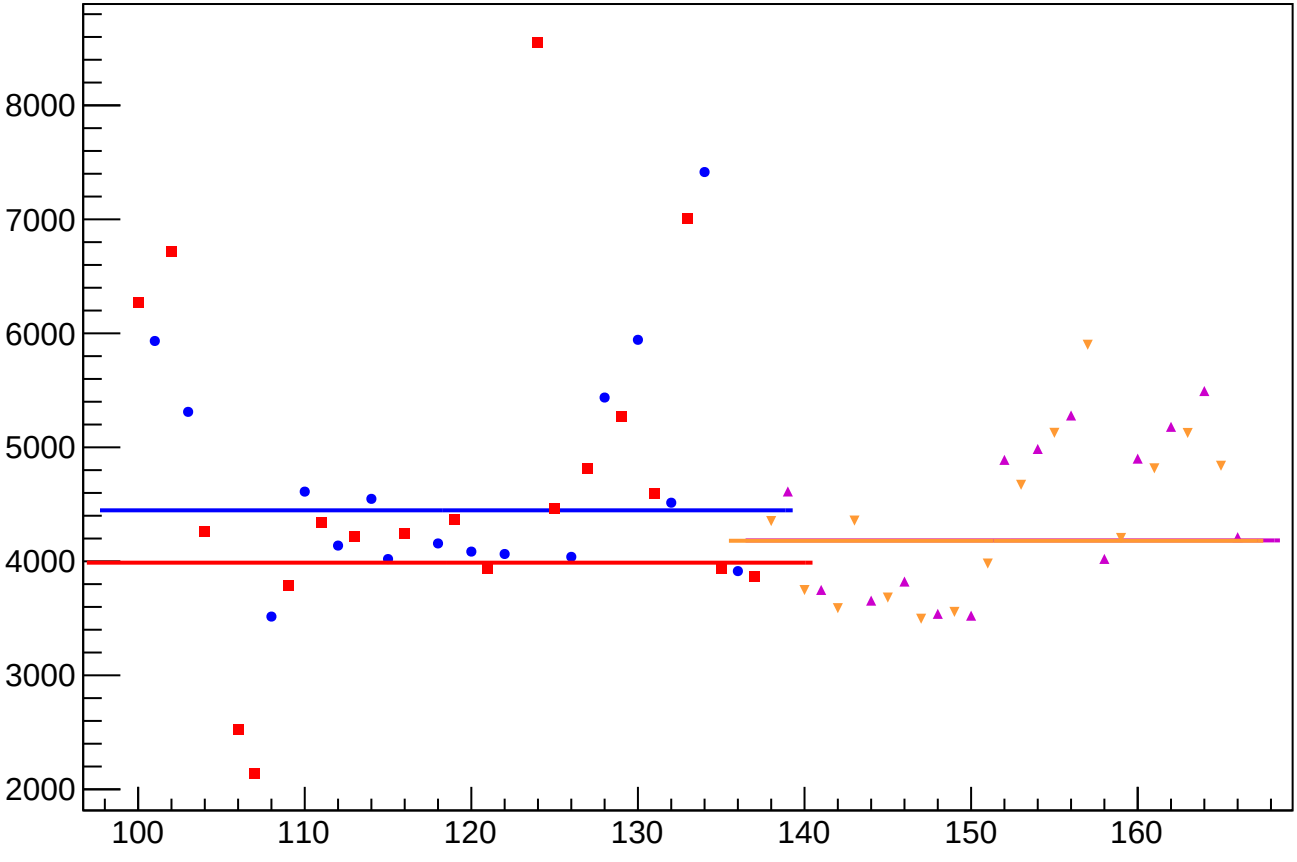
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -566.816+/-1003.048 χ^2/NDF:30.7/29

Out: 315.313+/-965.210 χ^2/NDF:25.9/33

All: -108.799+/-695.499 χ^2/NDF: 57.0/63

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4180.485+/-0.873 χ^2/NDF:519954.4/14

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4183.487+/-0.883 χ^2/NDF:527777.0/13

Left: 4181.970+/-0.621 χ^2/NDF: 1047737.2/28

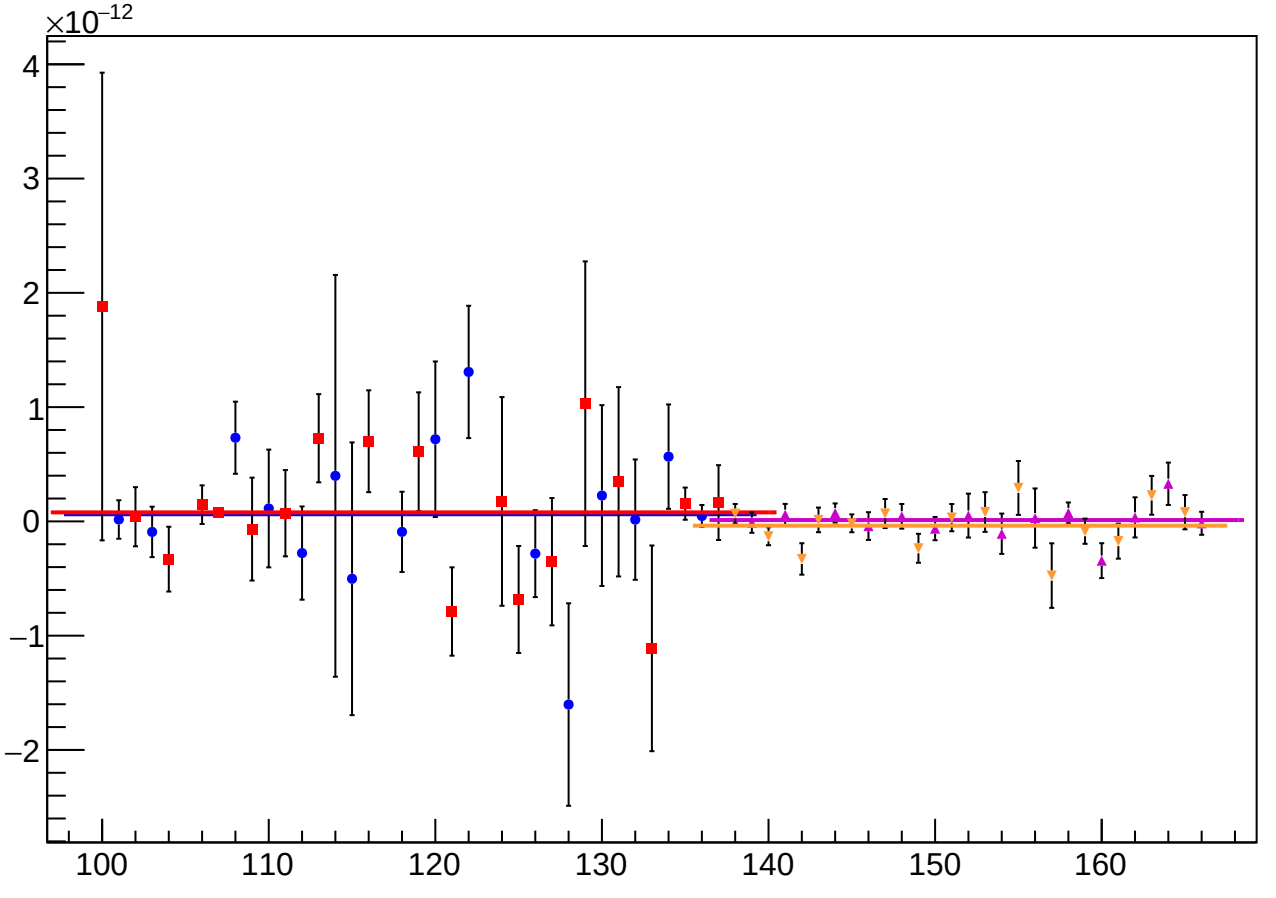
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4277.040+/-0.709 χ^2/NDF:1017714.3/29

Out: 4104.728+/-0.680 χ^2/NDF:1682978.7/33

All: 4187.237+/-0.491 χ^2/NDF: 2731453.5/63

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/13

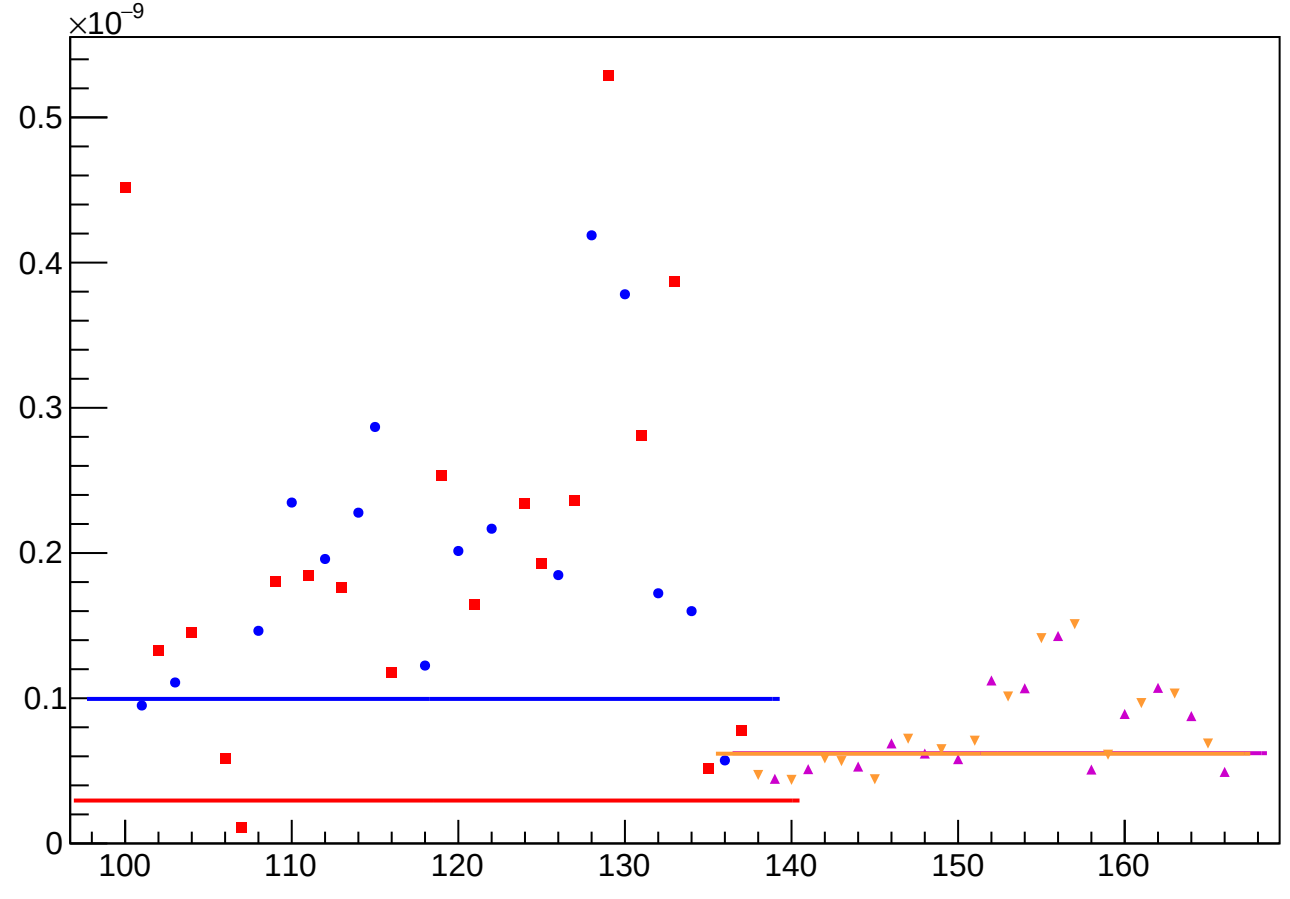
Left: -0.000+/-0.000 χ^2/NDF: 32.4/28

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:29.0/29

Out: 0.000+/-0.000 χ^2/NDF:46.7/33

All: 0.000+/-0.000 χ^2/NDF: 75.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054823.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:893731.4/13

Left: 0.000+/-0.000 χ^2/NDF: 1948675.6/28

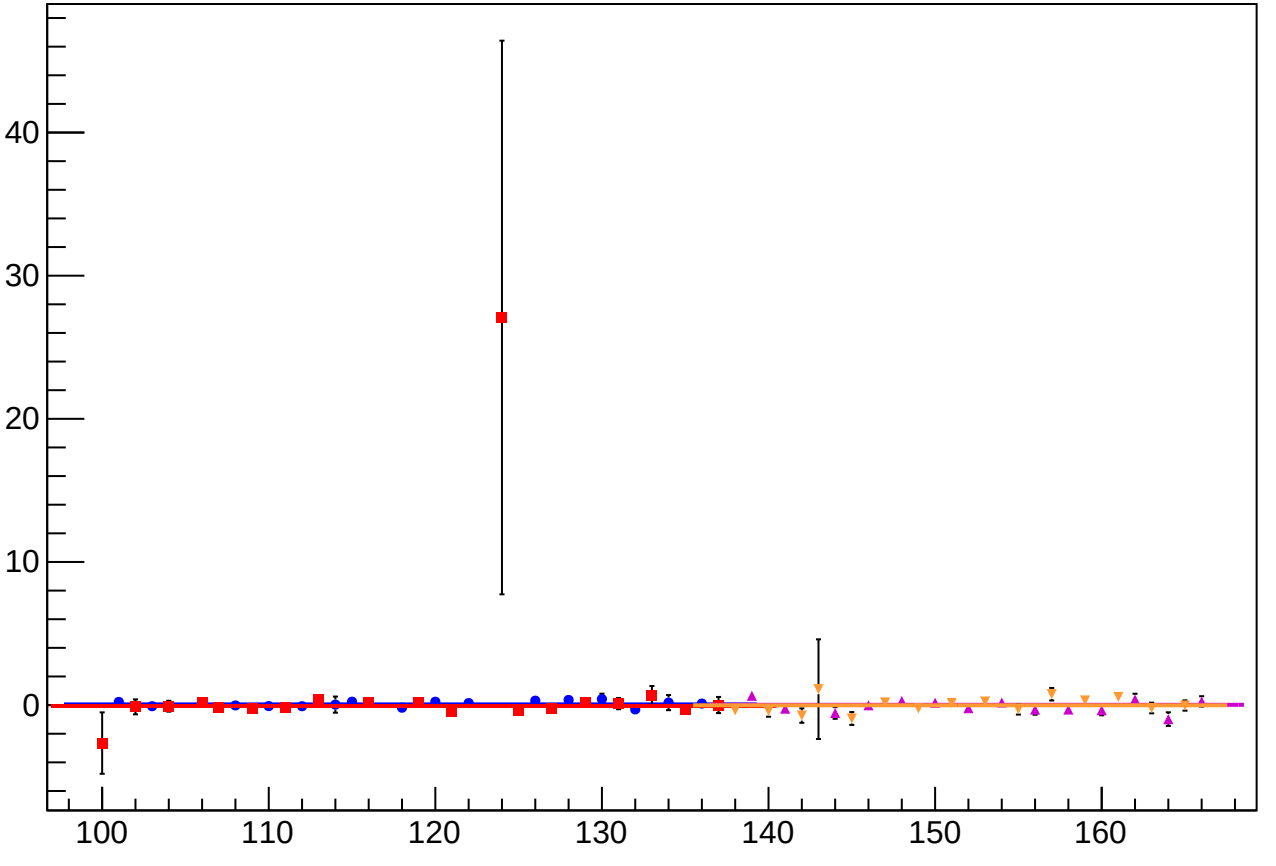
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2954936.4/29

Out: 0.000+/-0.000 χ^2/NDF:6436529.2/33

All: 0.000+/-0.000 χ^2/NDF: 10103822.2/63

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

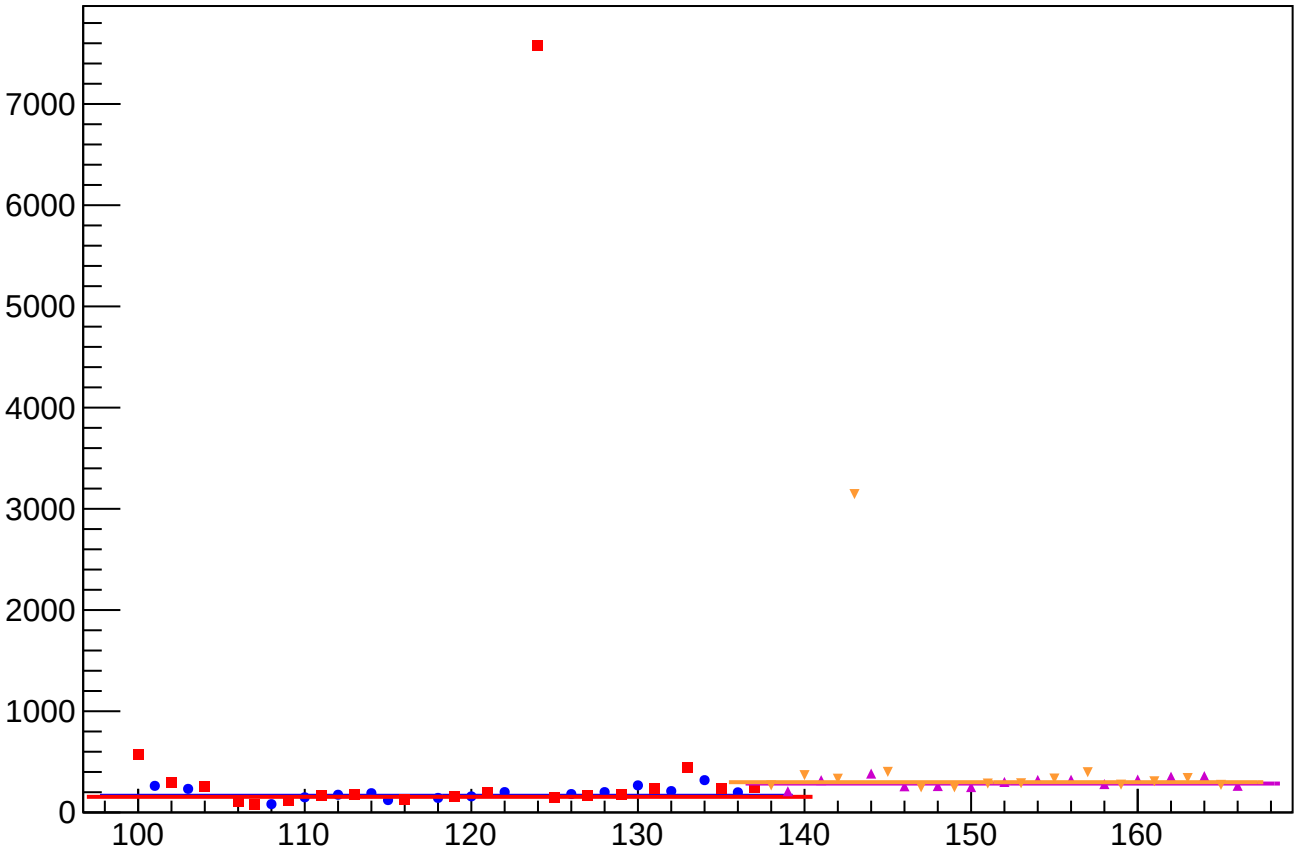
Left: 0.004+/-0.063 χ^2/NDF: 39.2/28

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.004+/-0.037 χ^2/NDF: 66.6/63



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 299.040+/-0.065 χ^2/NDF:1844528.8/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 285.521+/-0.061 χ^2/NDF:593696.7/13

Left: 291.886+/-0.044 χ^2/NDF: 2461357.5/28

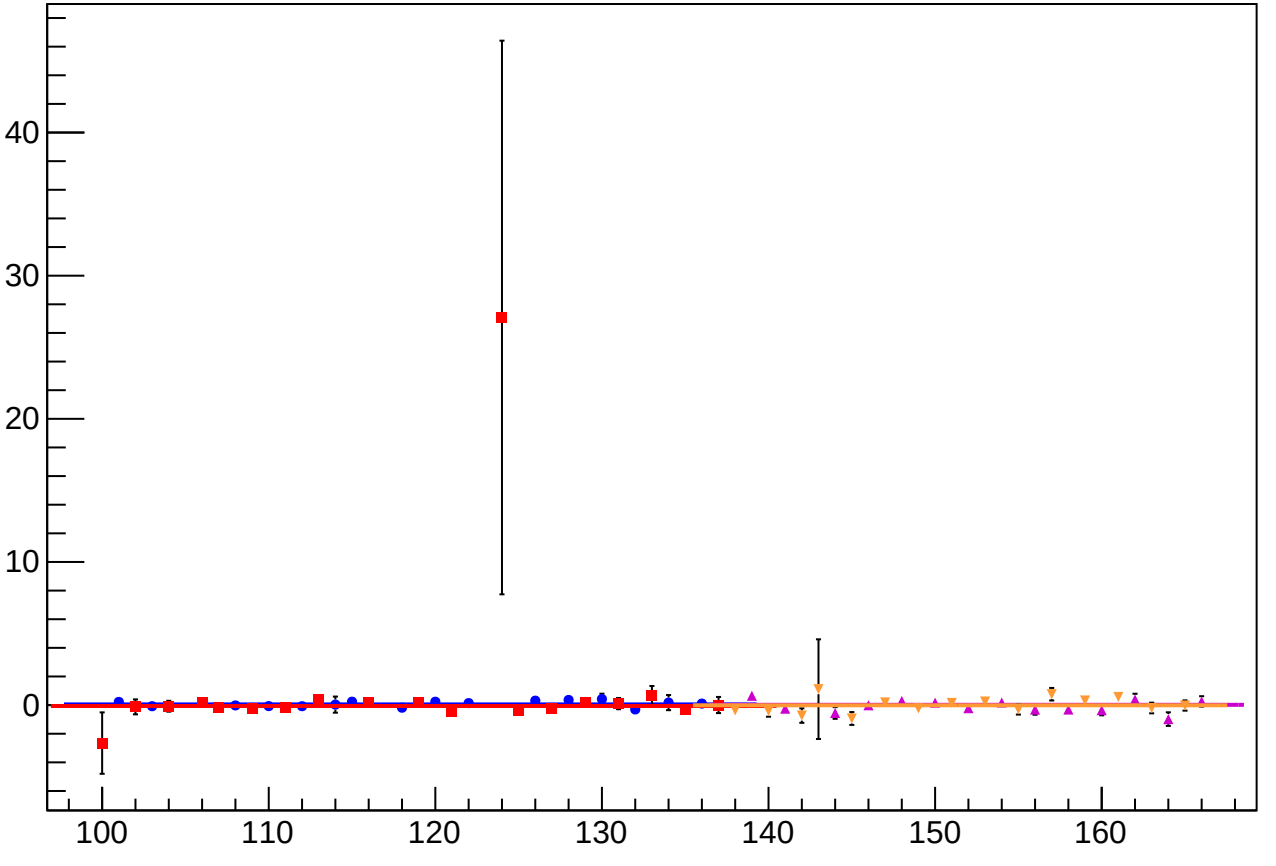
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.763+/-0.037 χ^2/NDF:4525531.5/29

Out: 202.353+/-0.037 χ^2/NDF:7111368.6/33

All: 206.061+/-0.026 χ^2/NDF: 11656719.2/63

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

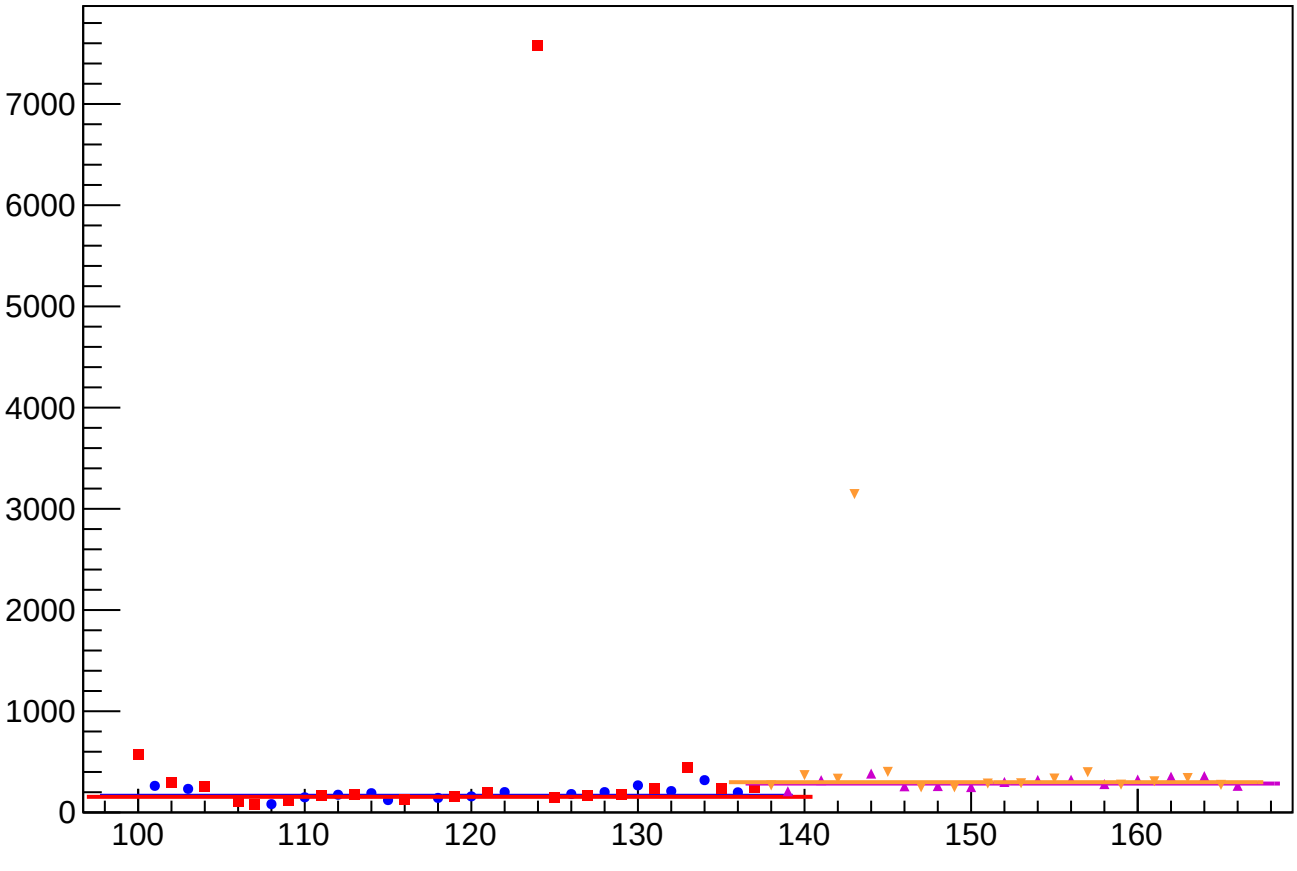
Left: 0.004+/-0.063 χ^2/NDF: 39.2/28

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.004+/-0.037 χ^2/NDF: 66.6/63



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 299.040+/-0.065 χ^2/NDF:1844528.8/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 285.521+/-0.061 χ^2/NDF:593696.7/13

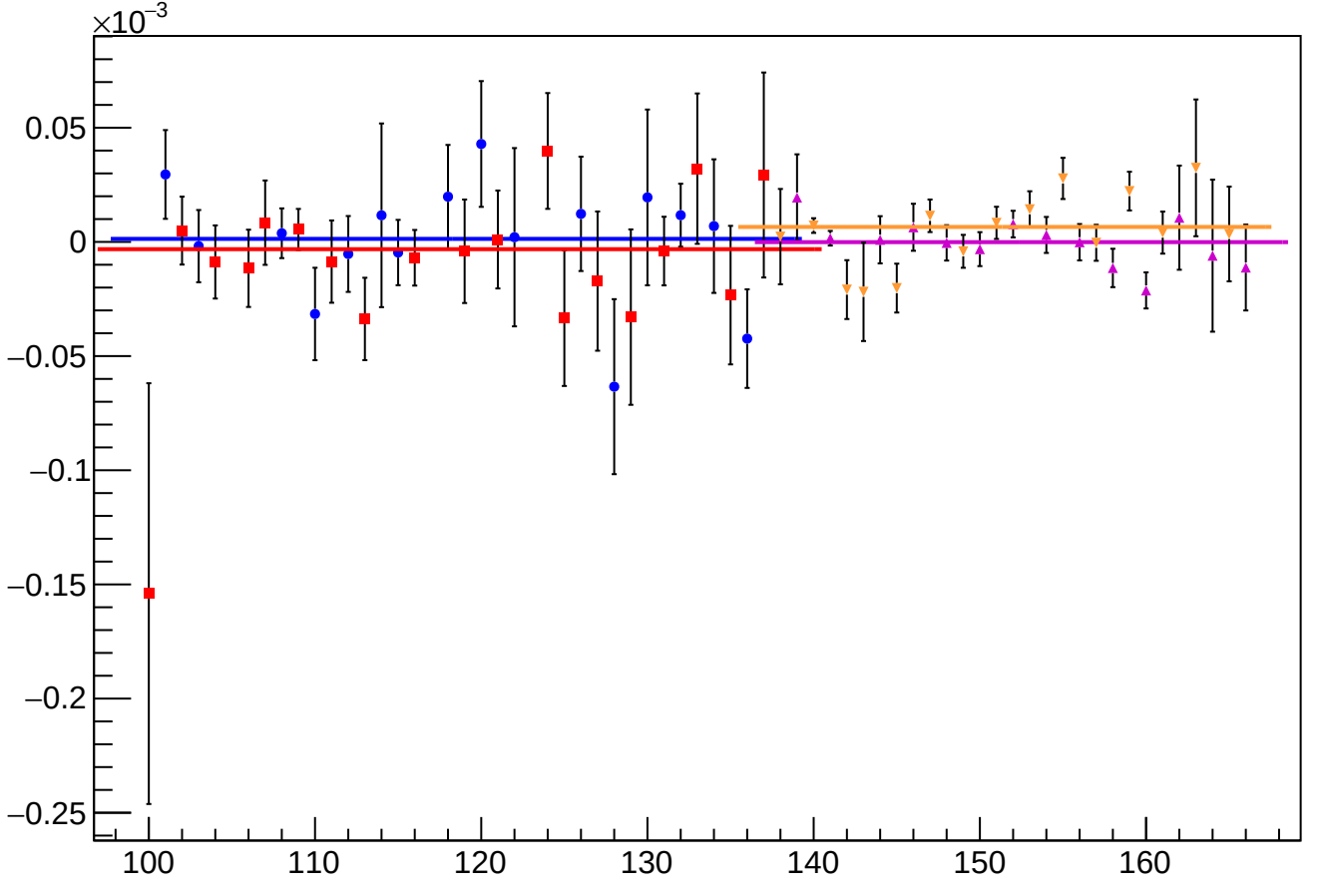
Left: 291.886+/-0.044 χ^2/NDF: 2461357.5/28

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.763+/-0.037 χ^2/NDF:4525531.5/29

Out: 202.353+/-0.037 χ^2/NDF:7111368.6/33

All: 206.061+/-0.026 χ^2/NDF: 11656719.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/13

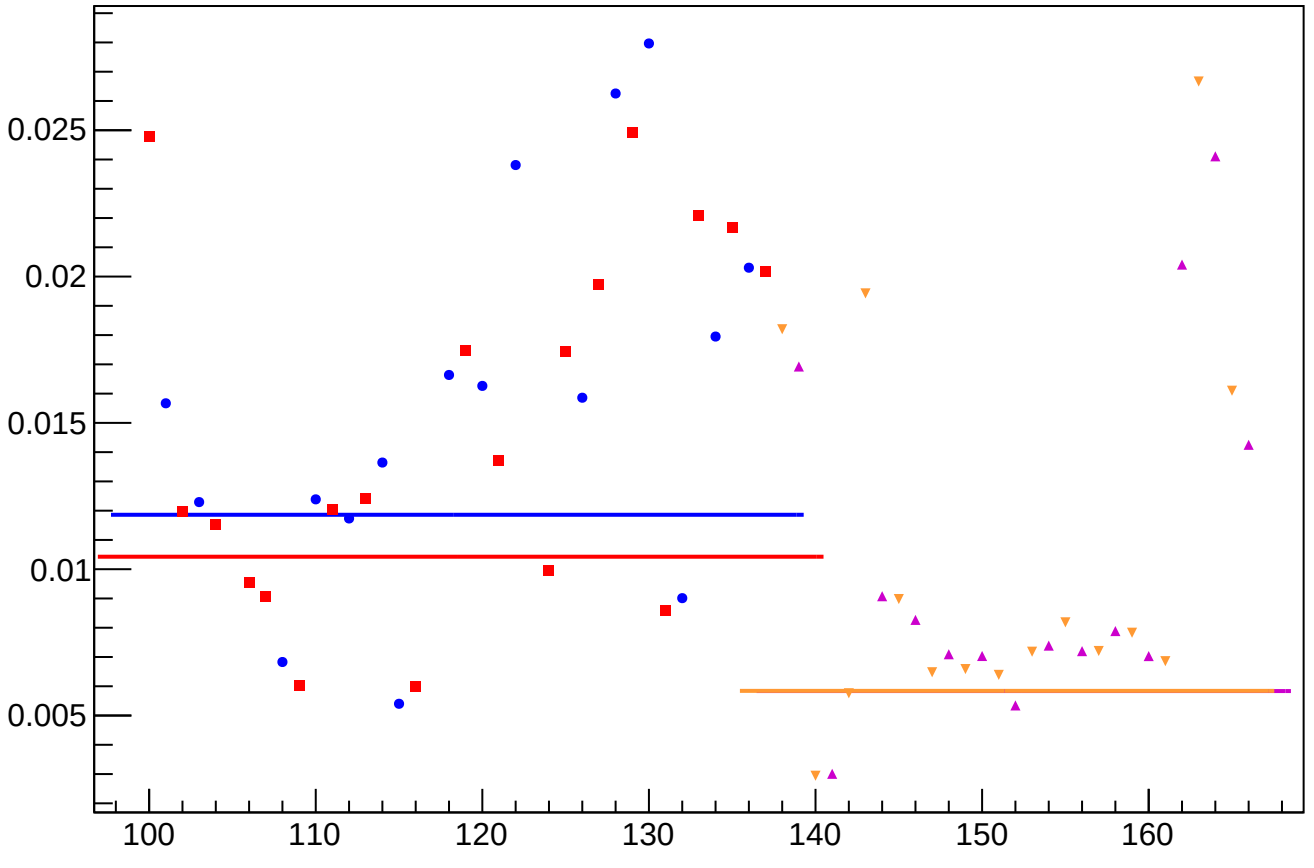
Left: 0.000+/-0.000 χ^2/NDF: 45.9/28

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.7/29

Out: 0.000+/-0.000 χ^2/NDF:45.8/33

All: 0.000+/-0.000 χ^2/NDF: 78.8/63



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5188012.2/14

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:4791653.7/13

Left: 0.006+/-0.000 χ^2/NDF: 9979676.1/28

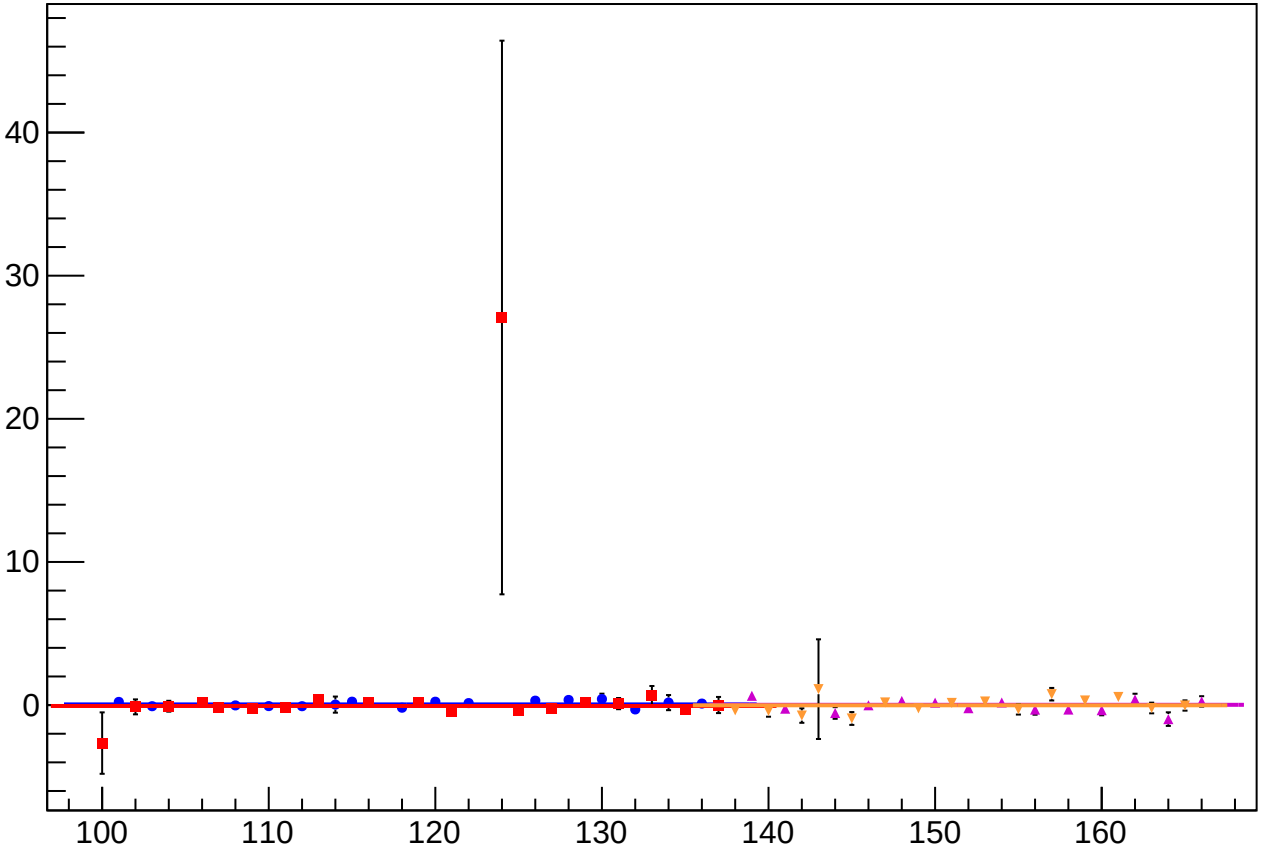
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:9814767.4/29

Out: 0.007+/-0.000 χ^2/NDF:9455347.7/33

All: 0.007+/-0.000 χ^2/NDF: 19270245.3/63

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

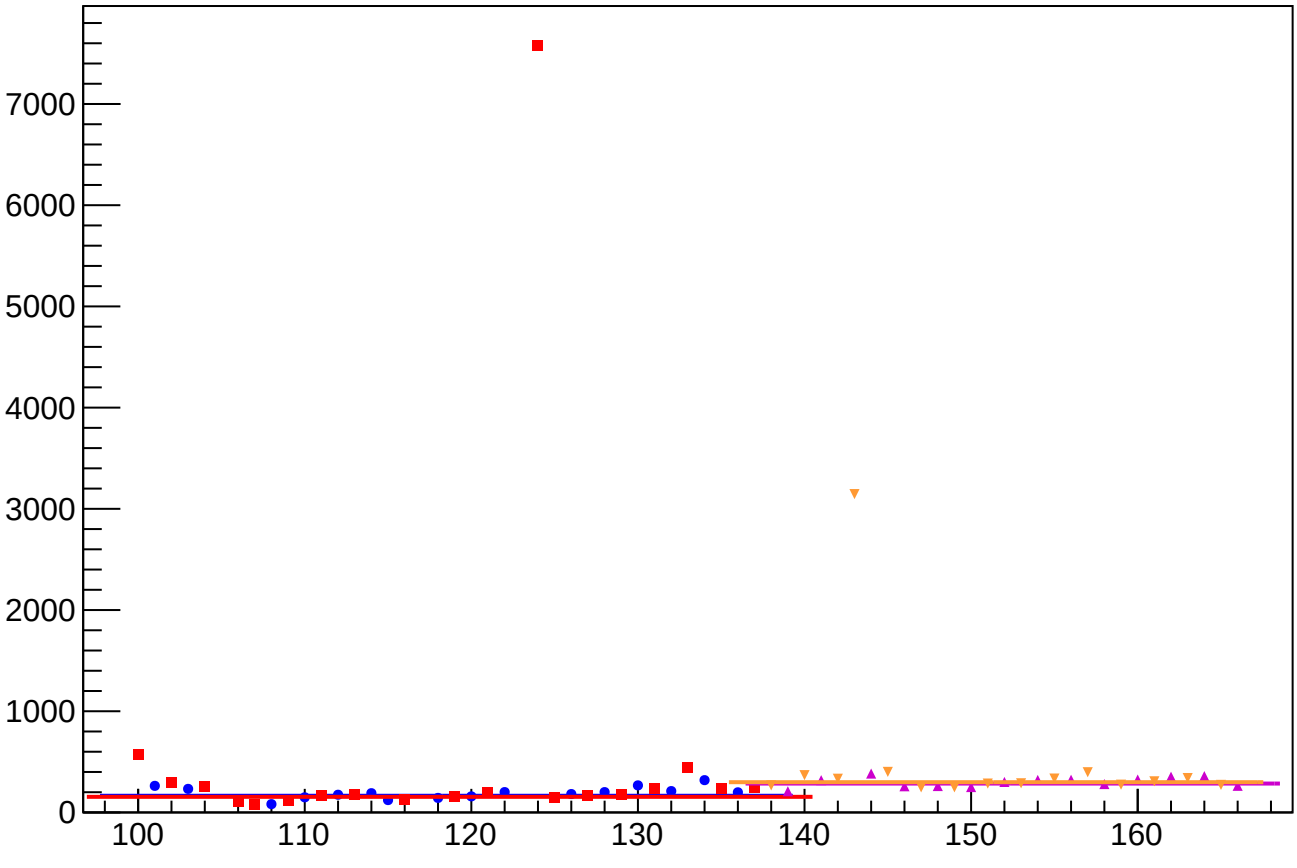
Left: 0.004+/-0.063 χ^2/NDF: 39.2/28

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.004+/-0.037 χ^2/NDF: 66.6/63



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 299.044+/-0.065 χ^2/NDF:1844510.1/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 285.525+/-0.061 χ^2/NDF:593690.9/13

Left: 291.891+/-0.044 χ^2/NDF: 2461335.2/28

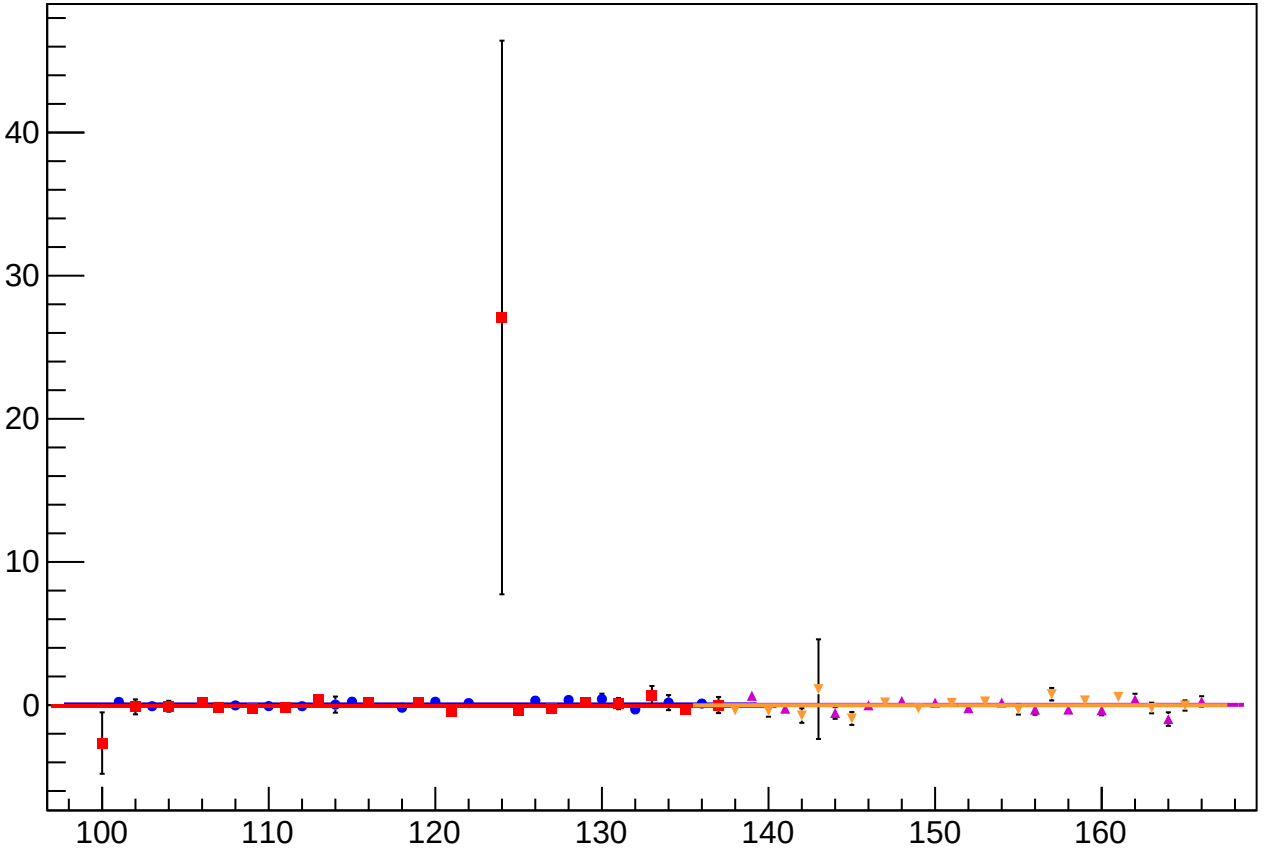
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.764+/-0.037 χ^2/NDF:4525630.2/29

Out: 202.353+/-0.037 χ^2/NDF:7111539.9/33

All: 206.061+/-0.026 χ^2/NDF: 11656989.3/63

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.020+/-0.086 χ^2/NDF:20.4/13

Left: 0.004+/-0.063 χ^2/NDF: 39.2/28

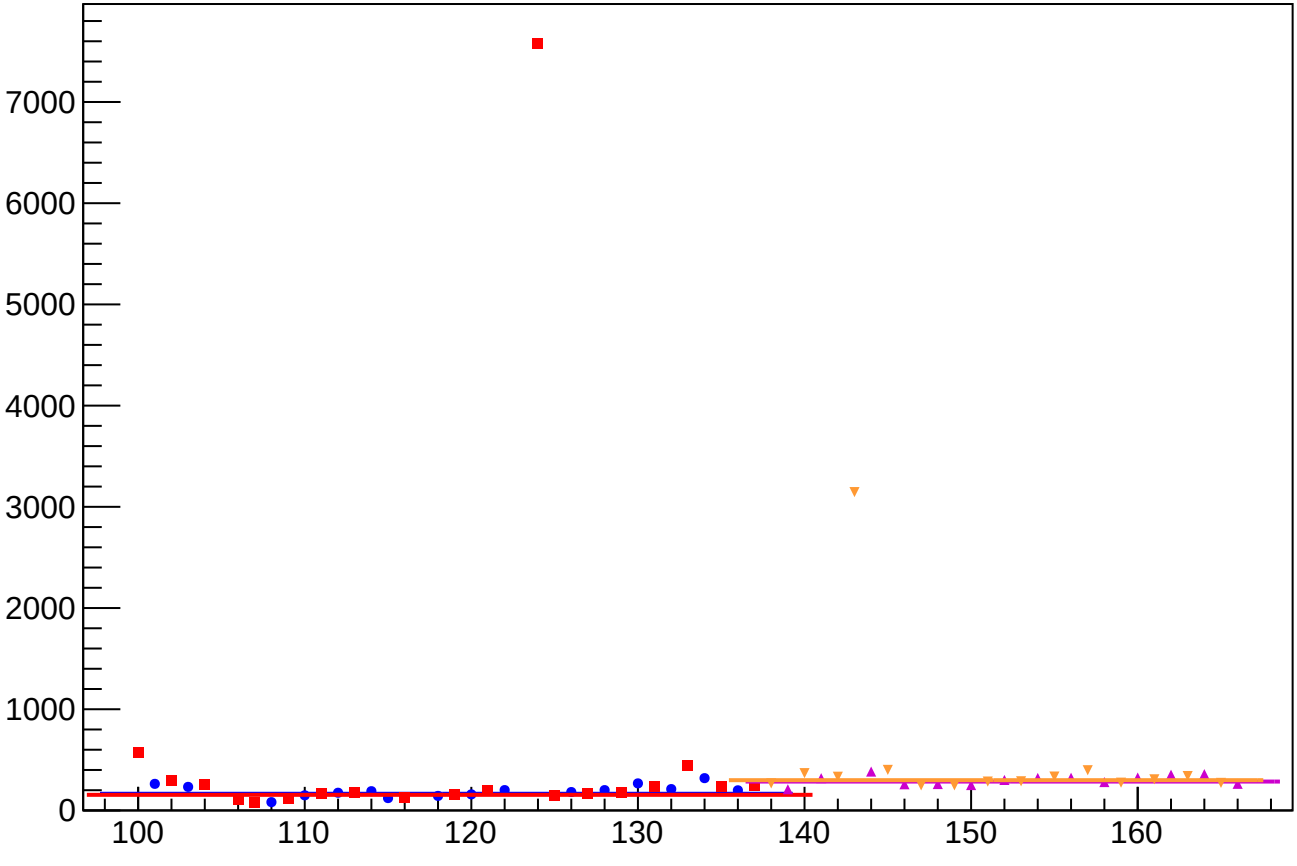
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.038+/-0.053 χ^2/NDF:28.1/29

Out: -0.045+/-0.053 χ^2/NDF:37.3/33

All: -0.004+/-0.037 χ^2/NDF: 66.6/63

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 299.044+/-0.065 χ^2/NDF:1844510.1/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 285.525+/-0.061 χ^2/NDF:593690.9/13

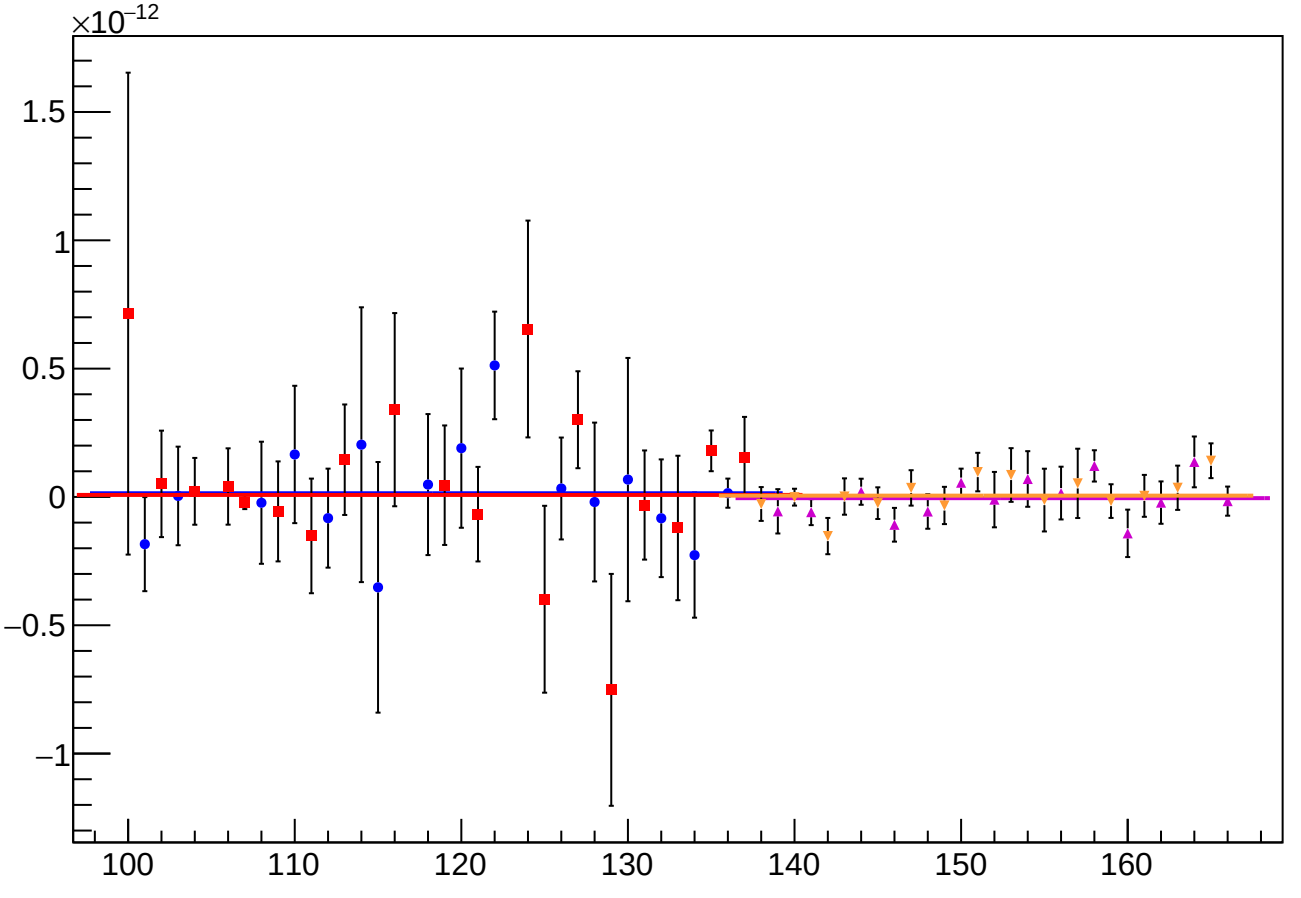
Left: 291.891+/-0.044 χ^2/NDF: 2461335.2/28

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.764+/-0.037 χ^2/NDF:4525630.2/29

Out: 202.353+/-0.037 χ^2/NDF:7111539.9/33

All: 206.061+/-0.026 χ^2/NDF: 11656989.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

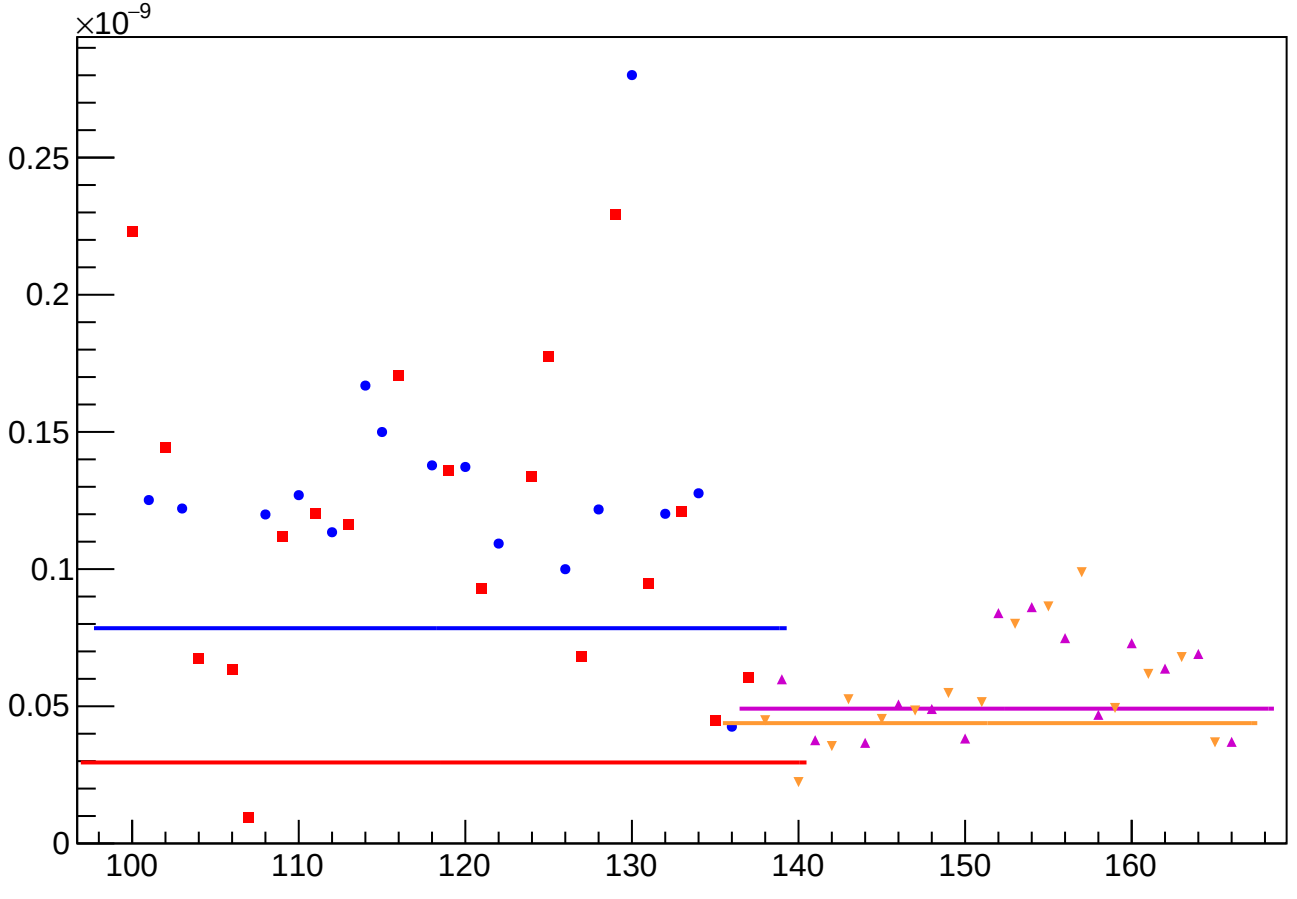
Left: 0.000+/-0.000 χ^2/NDF: 27.7/28

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:24.9/29

Out: 0.000+/-0.000 χ^2/NDF:30.8/33

All: 0.000+/-0.000 χ^2/NDF: 55.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2094425.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1271765.3/13

Left: 0.000+/-0.000 χ^2/NDF: 3452854.2/28

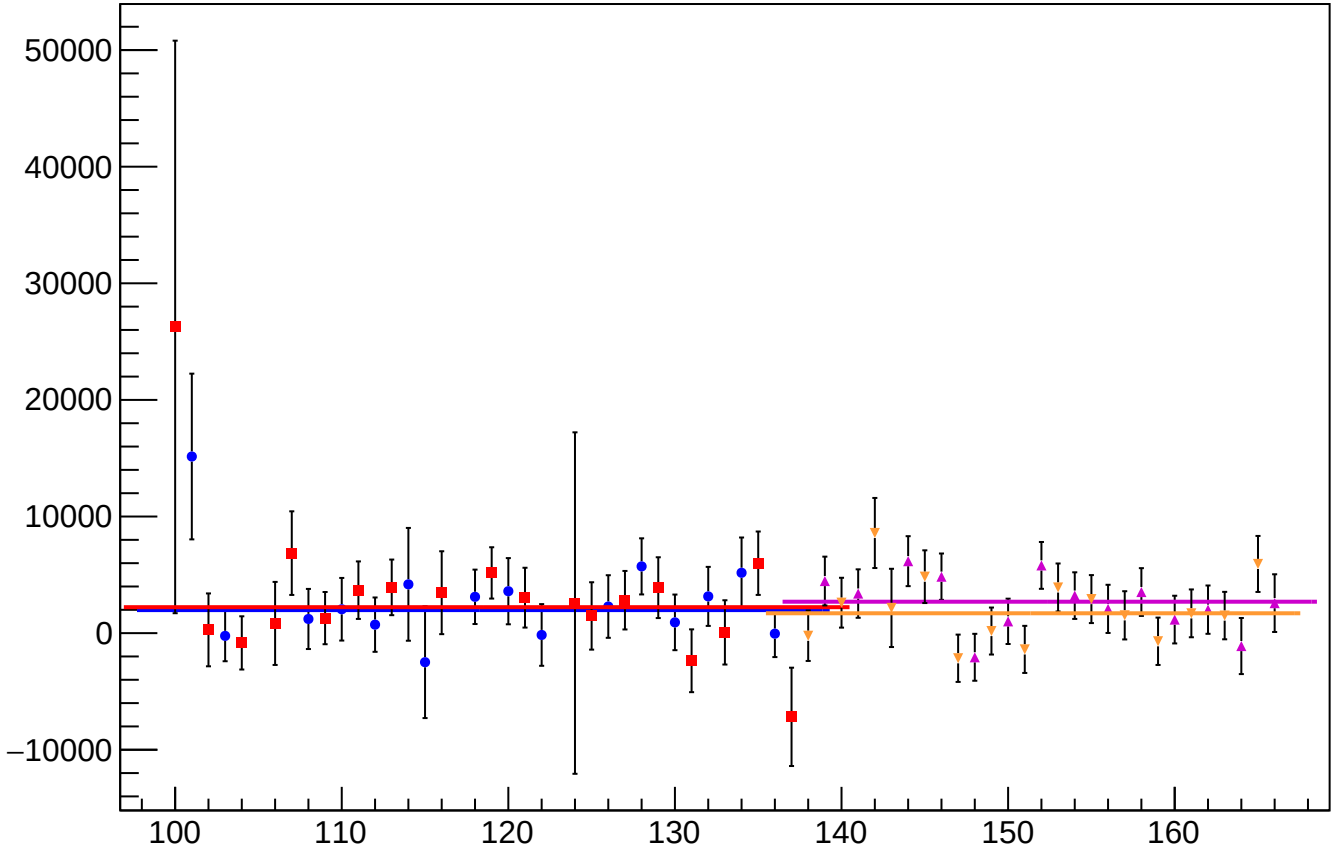
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4177957.0/29

Out: 0.000+/-0.000 χ^2/NDF:8080195.5/33

All: 0.000+/-0.000 χ^2/NDF: 13219409.7/63

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.548+/-562.134 χ^2/NDF:20.7/14

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2695.045+/-557.076 χ^2/NDF:16.9/13

Left: 2203.777+/-395.688 χ^2/NDF: 39.2/28

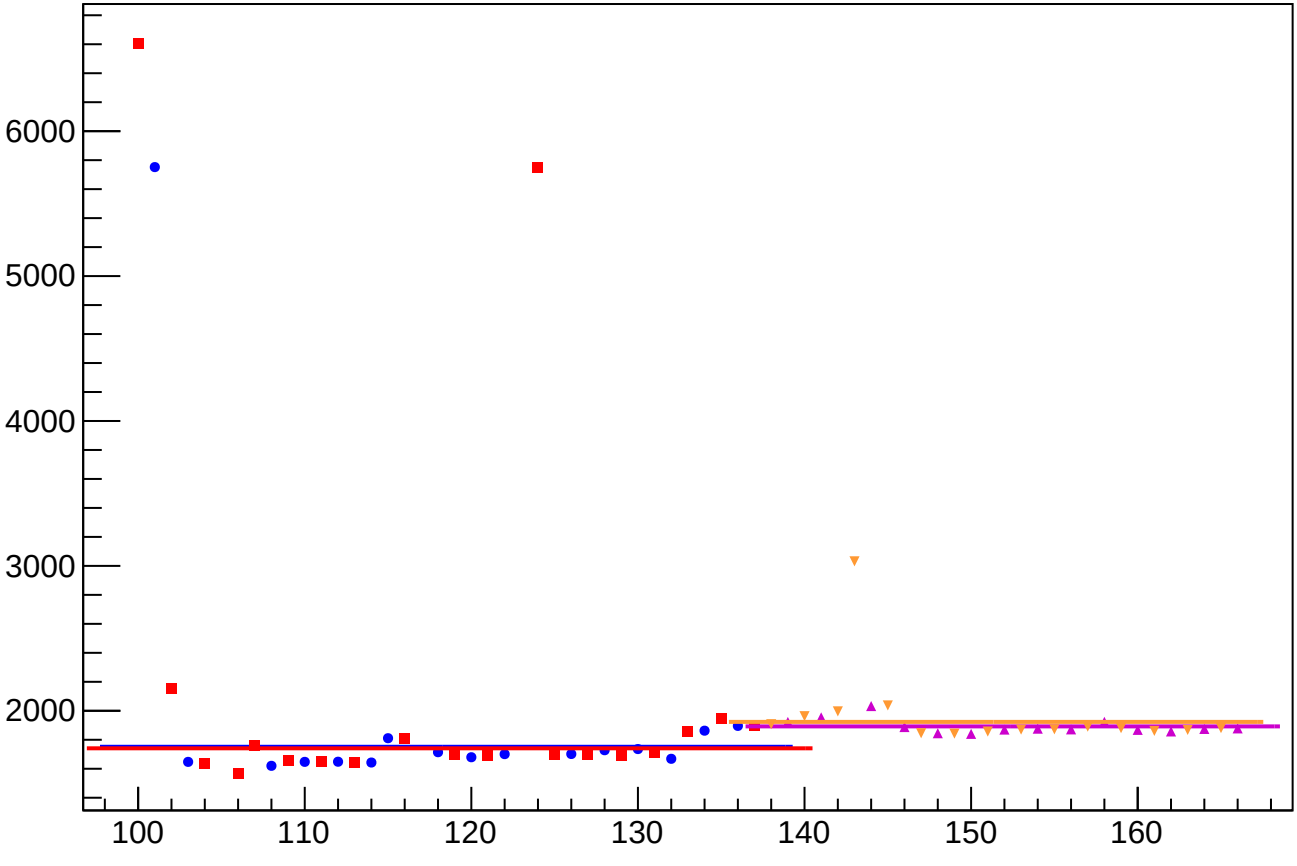
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2400.070+/-427.752 χ^2/NDF:29.7/29

Out: 1924.714+/-426.931 χ^2/NDF:40.1/33

All: 2161.935+/-302.176 χ^2/NDF: 70.4/63

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1892.326+/-0.394 χ^2/NDF:15343.1/13

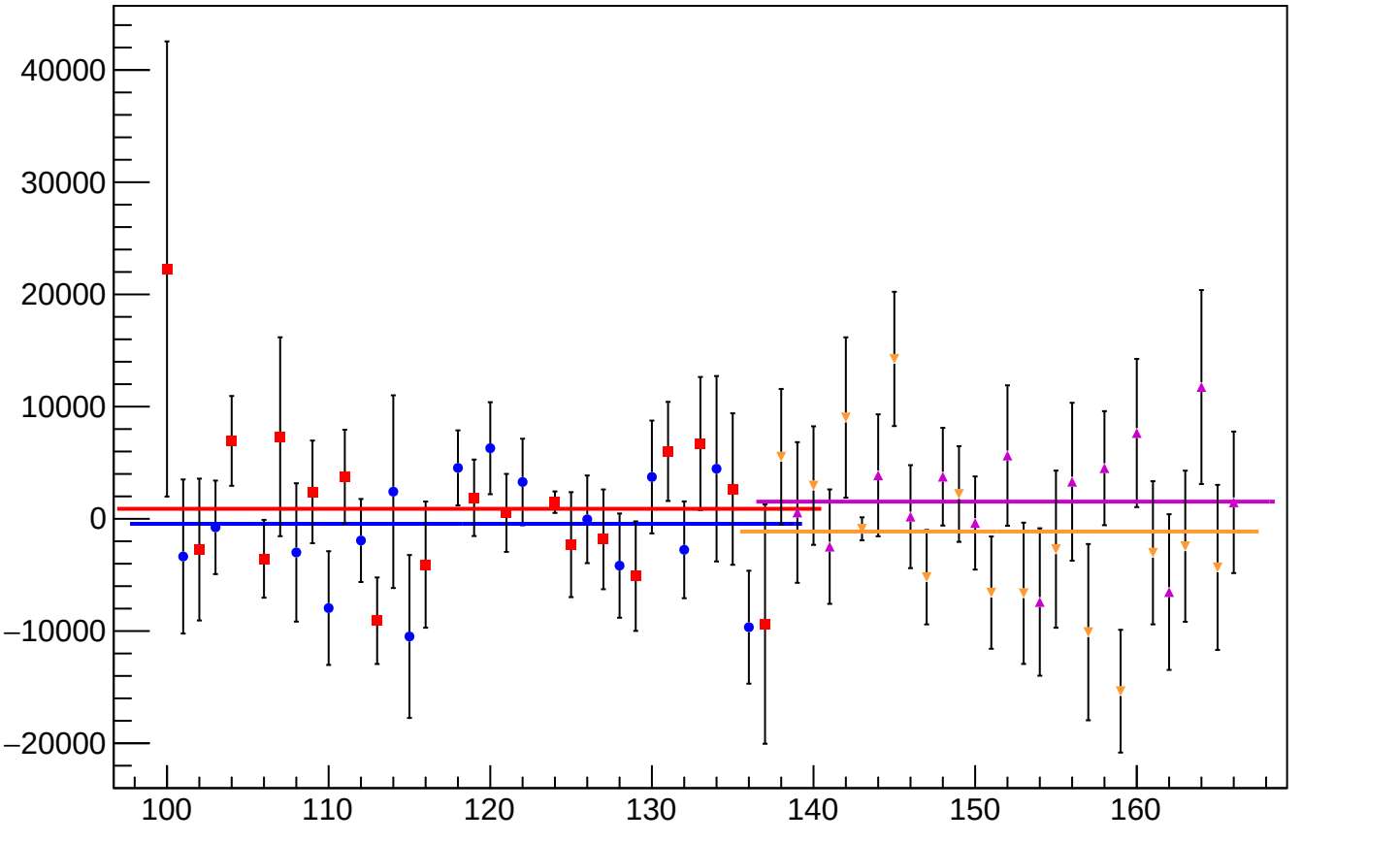
Left: 1907.724+/-0.280 χ^2/NDF: 259852.2/28

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1834.575+/-0.302 χ^2/NDF:738369.0/29

Out: 1845.577+/-0.301 χ^2/NDF:635901.8/33

All: 1840.103+/-0.213 χ^2/NDF: 1374935.6/63



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1131.626+/-851.480 χ^2/NDF:22.4/14

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1534.502+/-1497.204 χ^2/NDF:7.7/13

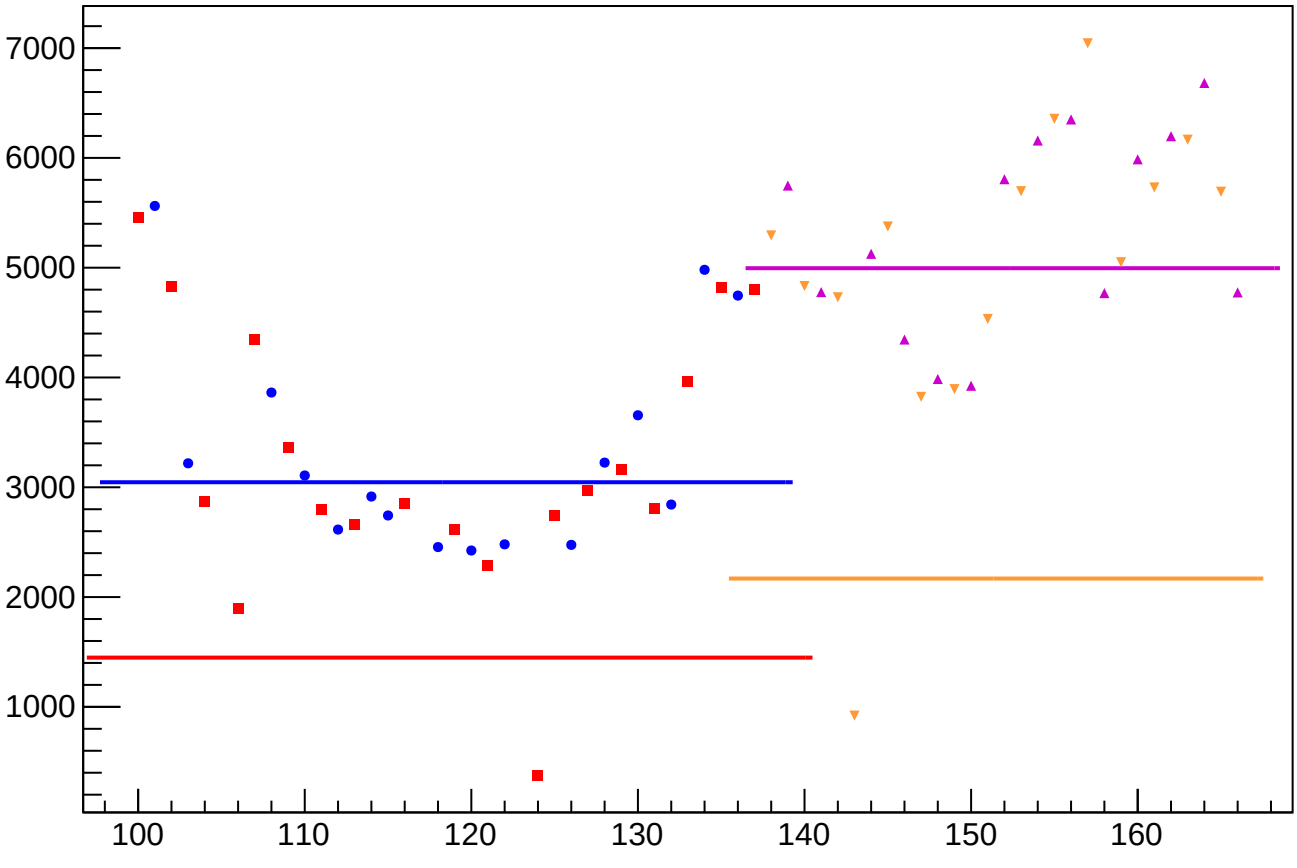
Left: -480.049+/-740.156 χ^2/NDF: 32.5/28

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 309.502+/-924.067 χ^2/NDF:24.7/29

Out: 40.638+/-552.333 χ^2/NDF:45.8/33

All: 111.410+/-474.098 χ^2/NDF: 70.5/63



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2168.787+/-0.602 χ^2/NDF:10397490.1/14

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4995.431+/-1.059 χ^2/NDF:672813.6/13

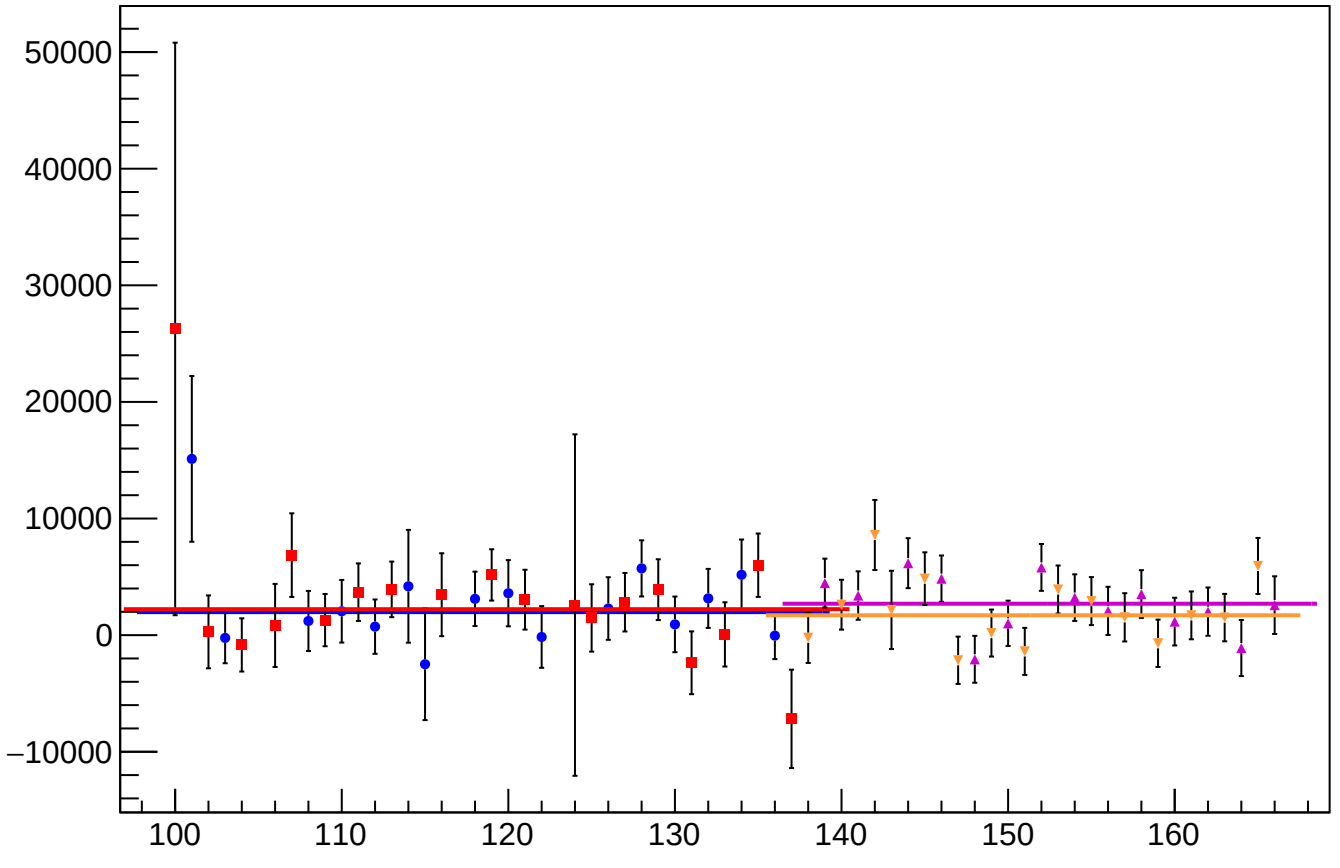
Left: 2859.592+/-0.523 χ^2/NDF: 16456817.4/28

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3788.546+/-0.653 χ^2/NDF:3679429.9/29

Out: 1751.593+/-0.391 χ^2/NDF:18013337.2/33

All: 2287.773+/-0.335 χ^2/NDF: 28852865.1/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.607+/-562.134 χ^2/NDF:20.7/14

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2695.149+/-557.076 χ^2/NDF:16.9/13

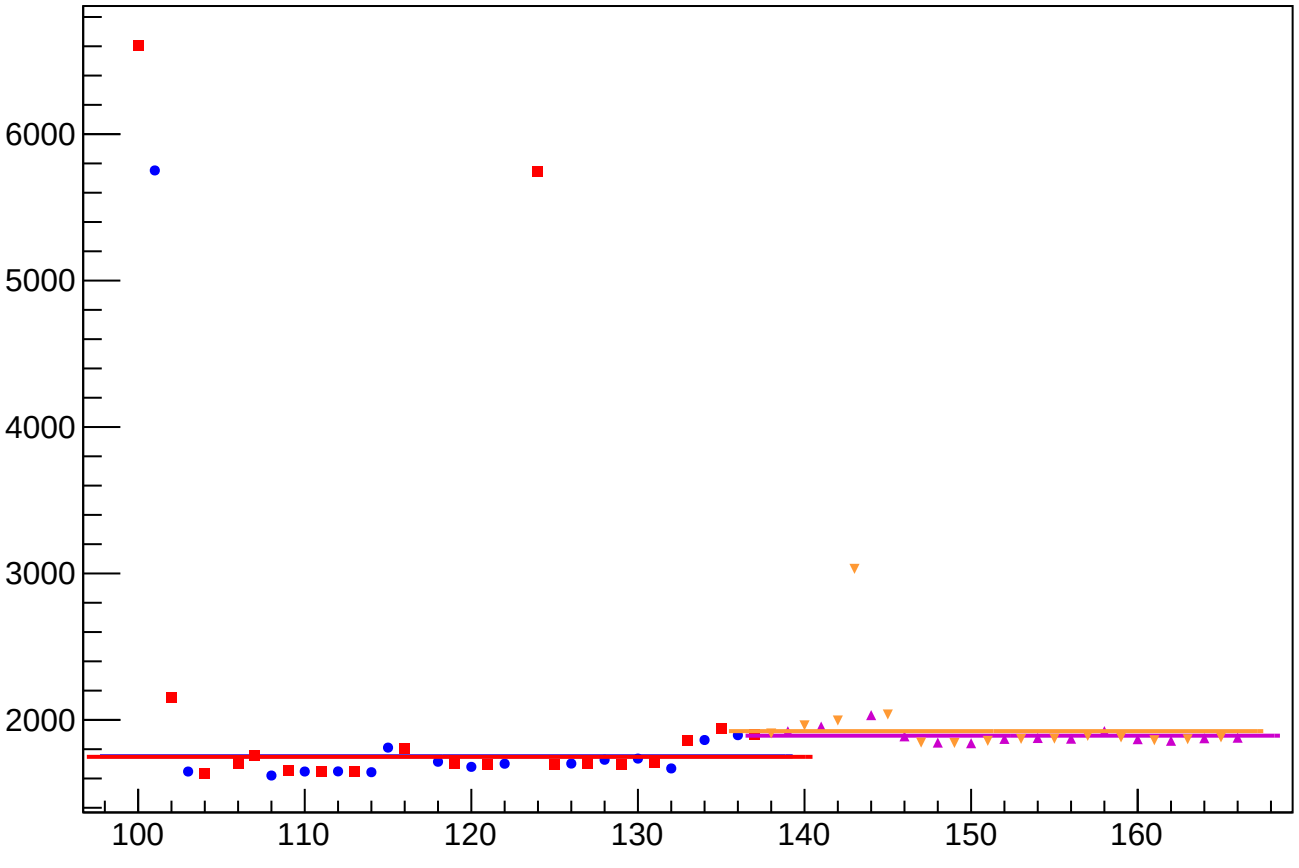
Left: 2203.859+/-395.688 χ^2/NDF: 39.2/28

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2399.987+/-427.752 χ^2/NDF:29.7/29

Out: 1924.788+/-426.931 χ^2/NDF:40.1/33

All: 2161.931+/-302.176 χ^2/NDF: 70.4/63



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1892.326+/-0.394 χ^2/NDF:15343.1/13

Left: 1907.724+/-0.280 χ^2/NDF: 259852.2/28

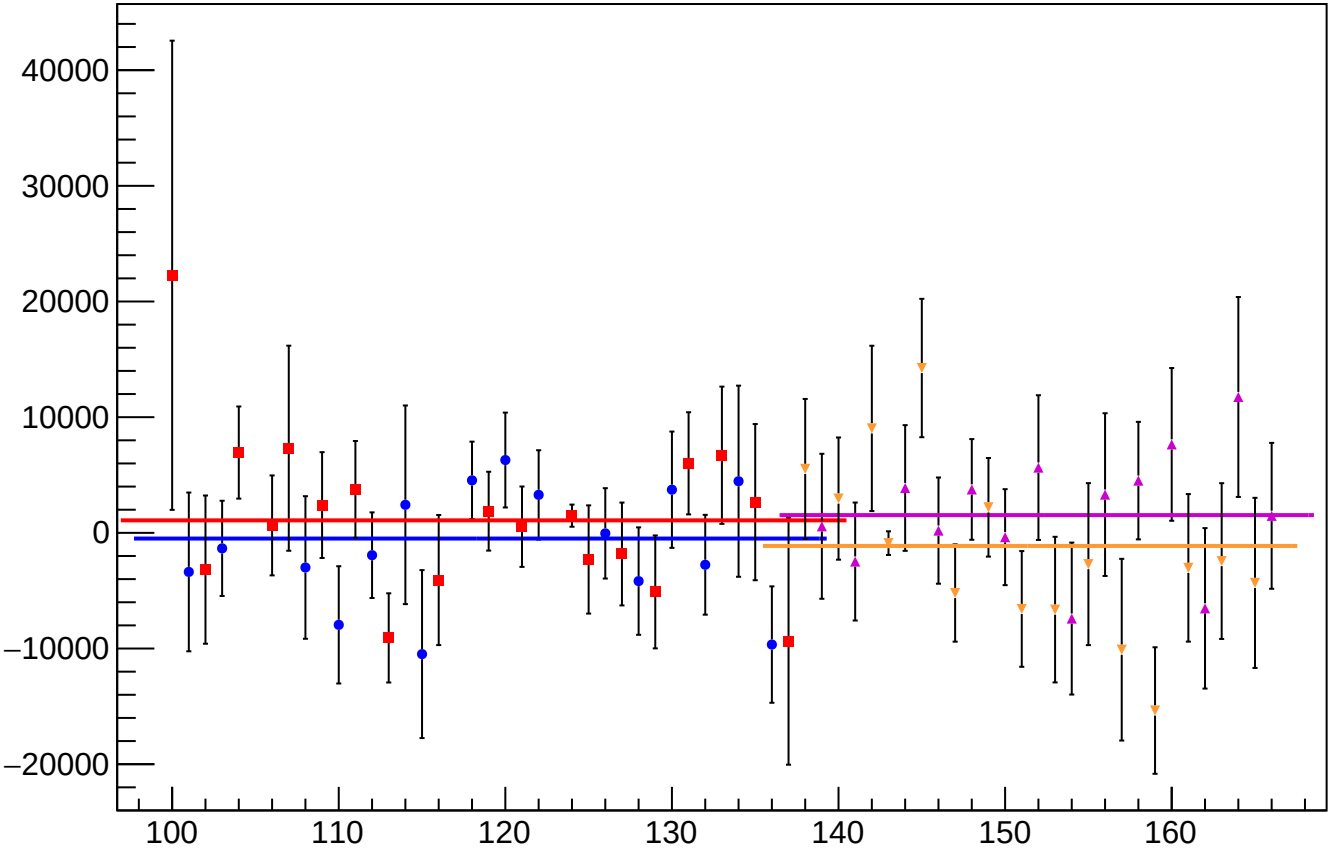
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1834.575+/-0.302 χ^2/NDF:738369.4/29

Out: 1848.762+/-0.301 χ^2/NDF:622306.2/33

All: 1841.693+/-0.214 χ^2/NDF: 1361779.6/63

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1131.424+/-851.456 χ^2/NDF:22.4/14

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1534.579+/-1497.203 χ^2/NDF:7.7/13

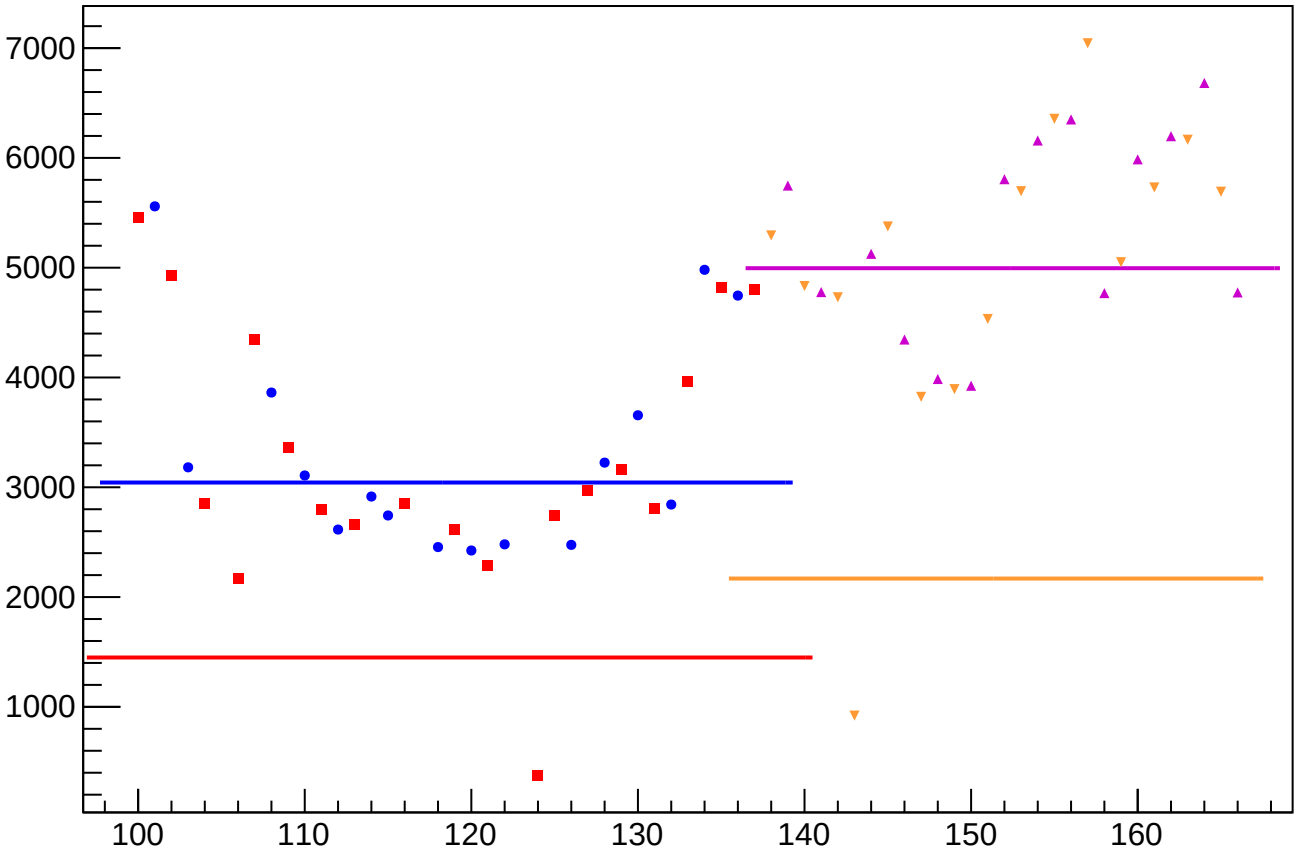
Left: -479.905+/-740.140 χ^2/NDF: 32.5/28

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 278.434+/-923.478 χ^2/NDF:24.8/29

Out: 141.506+/-554.836 χ^2/NDF:44.8/33

All: 177.824+/-475.598 χ^2/NDF: 69.6/63



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4995.428+/-1.059 χ^2/NDF:672813.3/13

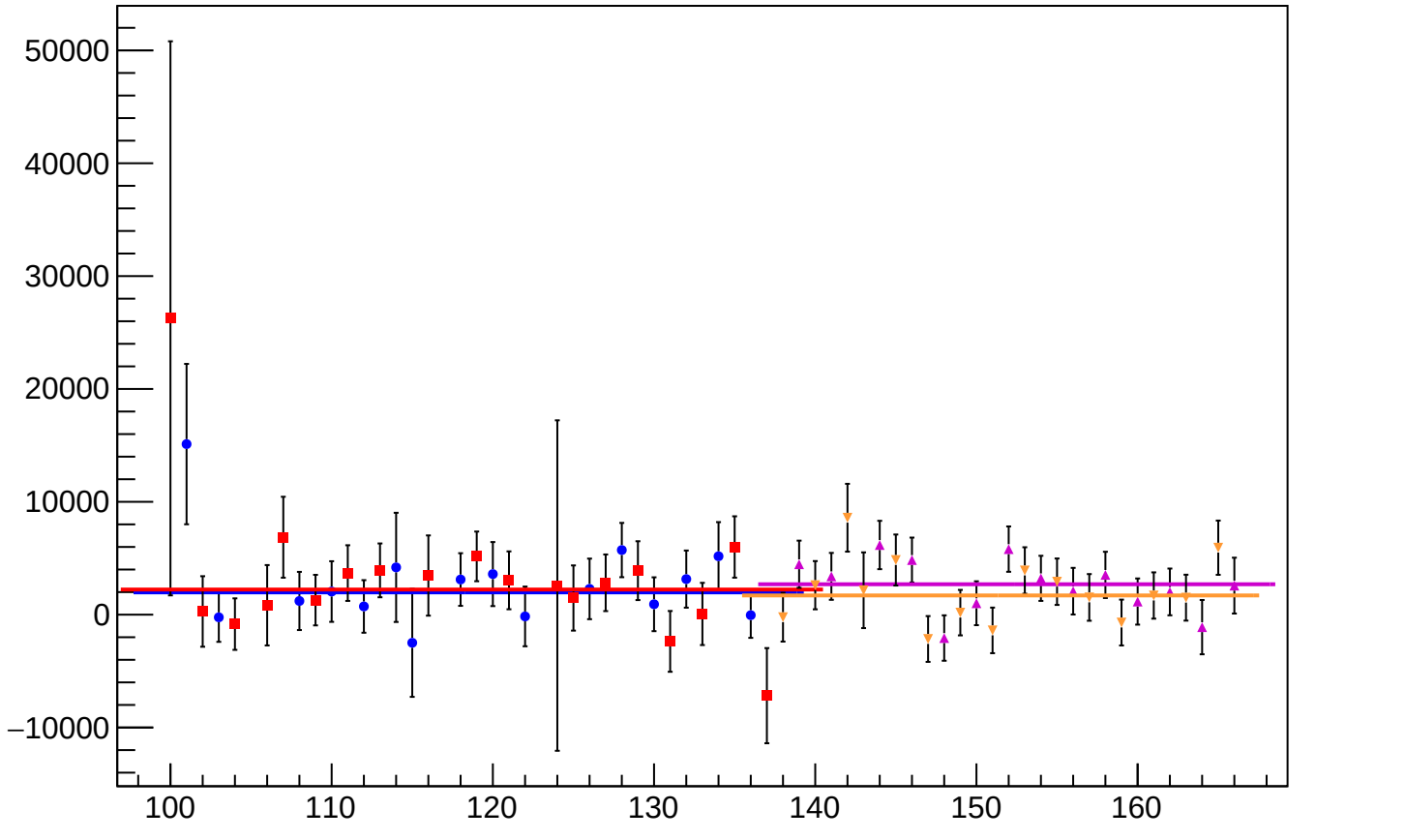
Left: 2859.489+/-0.523 χ^2/NDF: 16457678.3/28

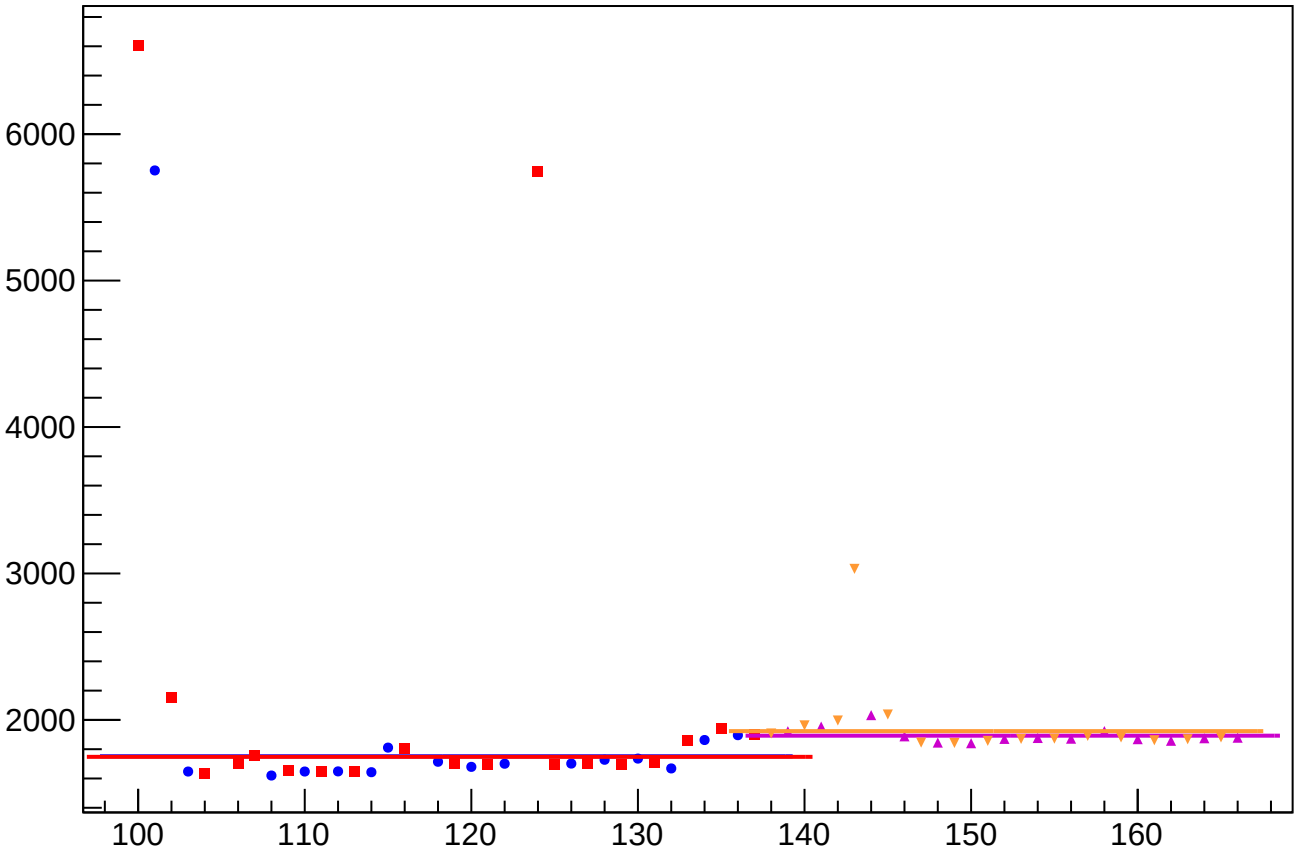
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3785.959+/-0.653 χ^2/NDF:3685056.9/29

Out: 1754.895+/-0.392 χ^2/NDF:18044591.9/33

All: 2293.599+/-0.336 χ^2/NDF: 28838083.7/6


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 1975.946+/-667.710 χ²/NDF: 12.1/15
Left Out: 1703.607+/-562.134 χ²/NDF:20.7/14
Right Out: 2226.267+/-656.286 χ²/NDF: 19.0/18
Left In: 2695.149+/-557.076 χ²/NDF:16.9/13
Left: 2203.859+/-395.688 χ²/NDF: 39.2/28
Right: 2103.266+/-468.051 χ²/NDF: 31.1/34
In: 2399.987+/-427.752 χ²/NDF:29.7/29
Out: 1924.788+/-426.931 χ²/NDF:40.1/33
All: 2161.931+/-302.176 χ²/NDF: 70.4/63



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1892.326+/-0.394 χ^2/NDF:15343.1/13

Left: 1907.724+/-0.280 χ^2/NDF: 259852.2/28

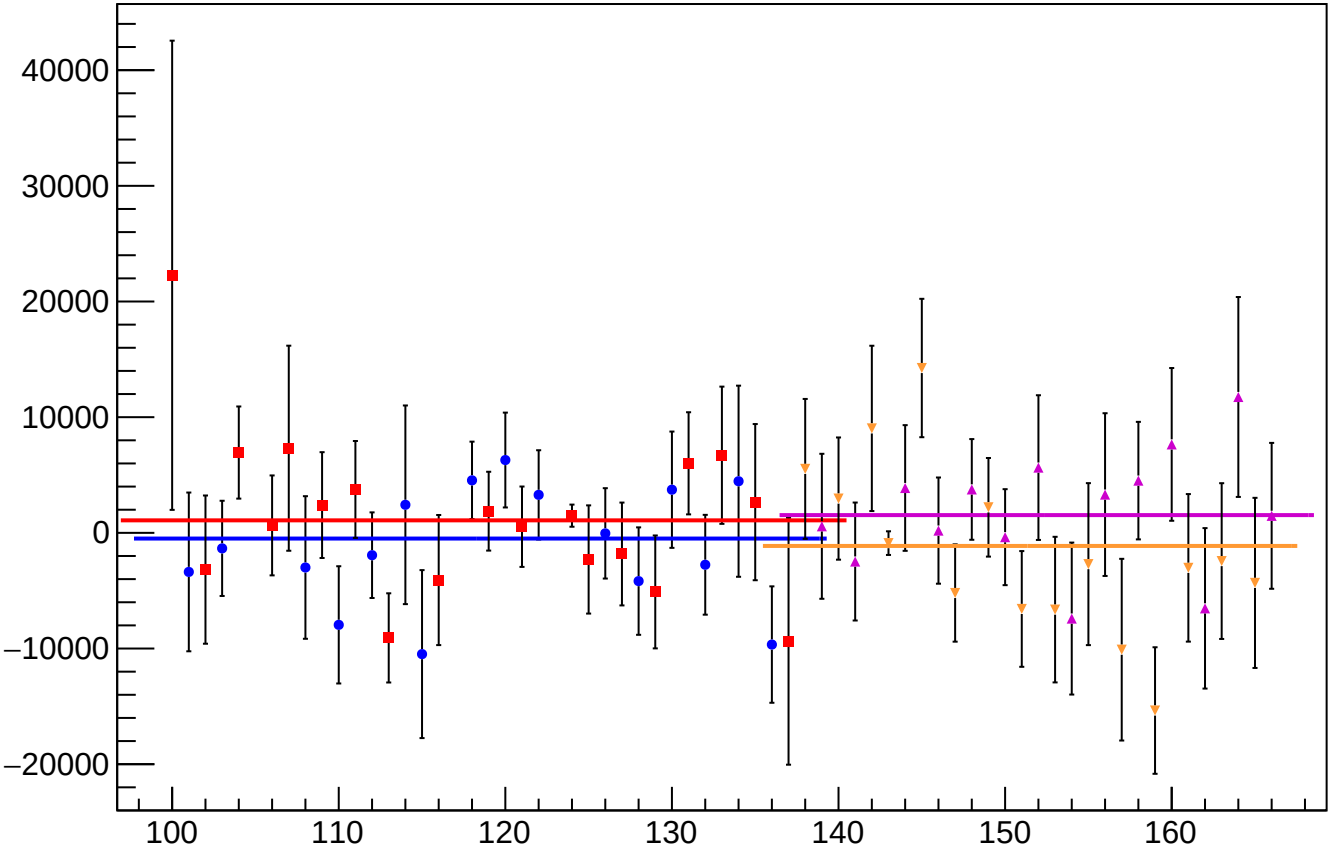
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1834.575+/-0.302 χ^2/NDF:738369.4/29

Out: 1848.762+/-0.301 χ^2/NDF:622306.2/33

All: 1841.693+/-0.214 χ^2/NDF: 1361779.6/63

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1131.424+/-851.456 χ^2/NDF:22.4/14

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1534.579+/-1497.203 χ^2/NDF:7.7/13

Left: -479.905+/-740.140 χ^2/NDF: 32.5/28

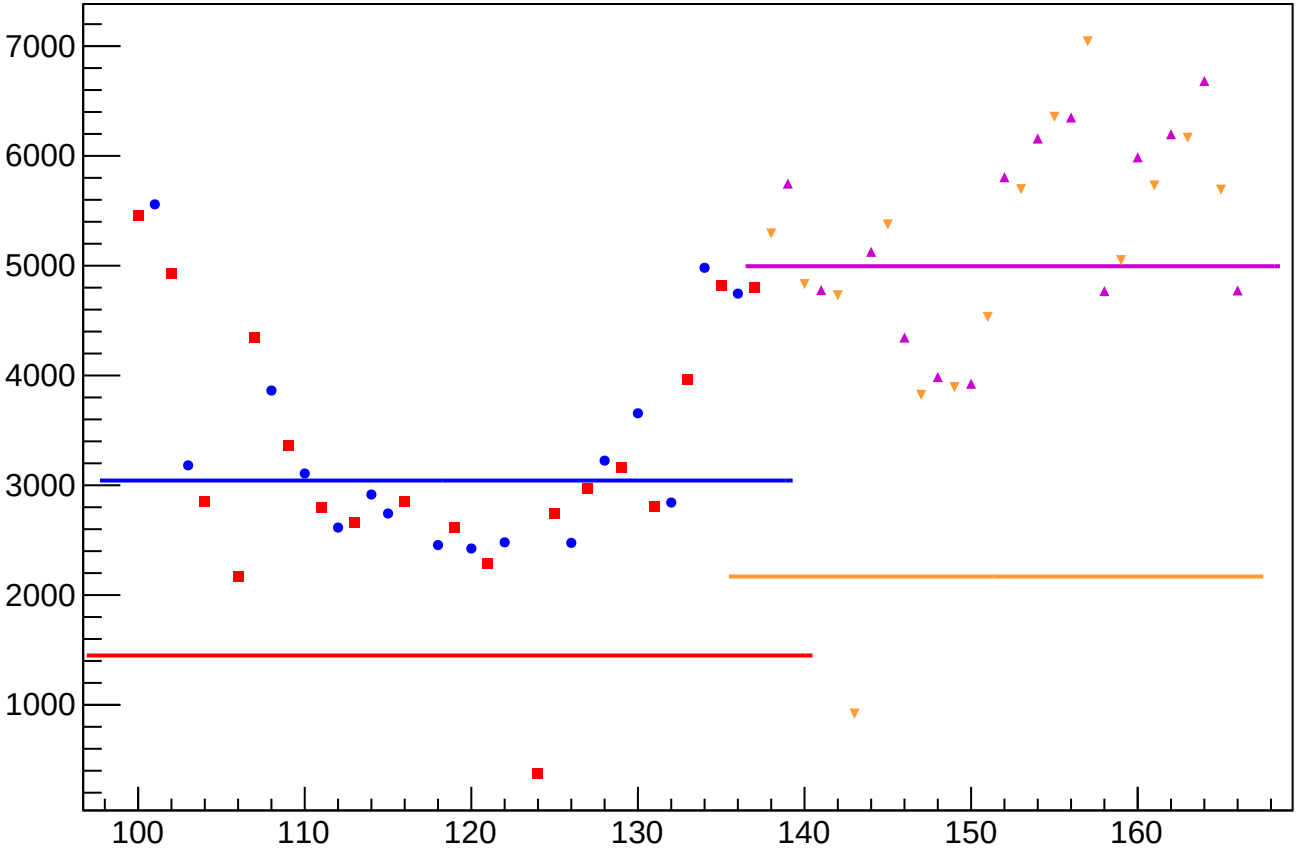
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 278.434+/-923.478 χ^2/NDF:24.8/29

Out: 141.506+/-554.836 χ^2/NDF:44.8/33

All: 177.824+/-475.598 χ^2/NDF: 69.6/63

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4995.428+/-1.059 χ^2/NDF:672813.3/13

Left: 2859.489+/-0.523 χ^2/NDF: 16457678.3/28

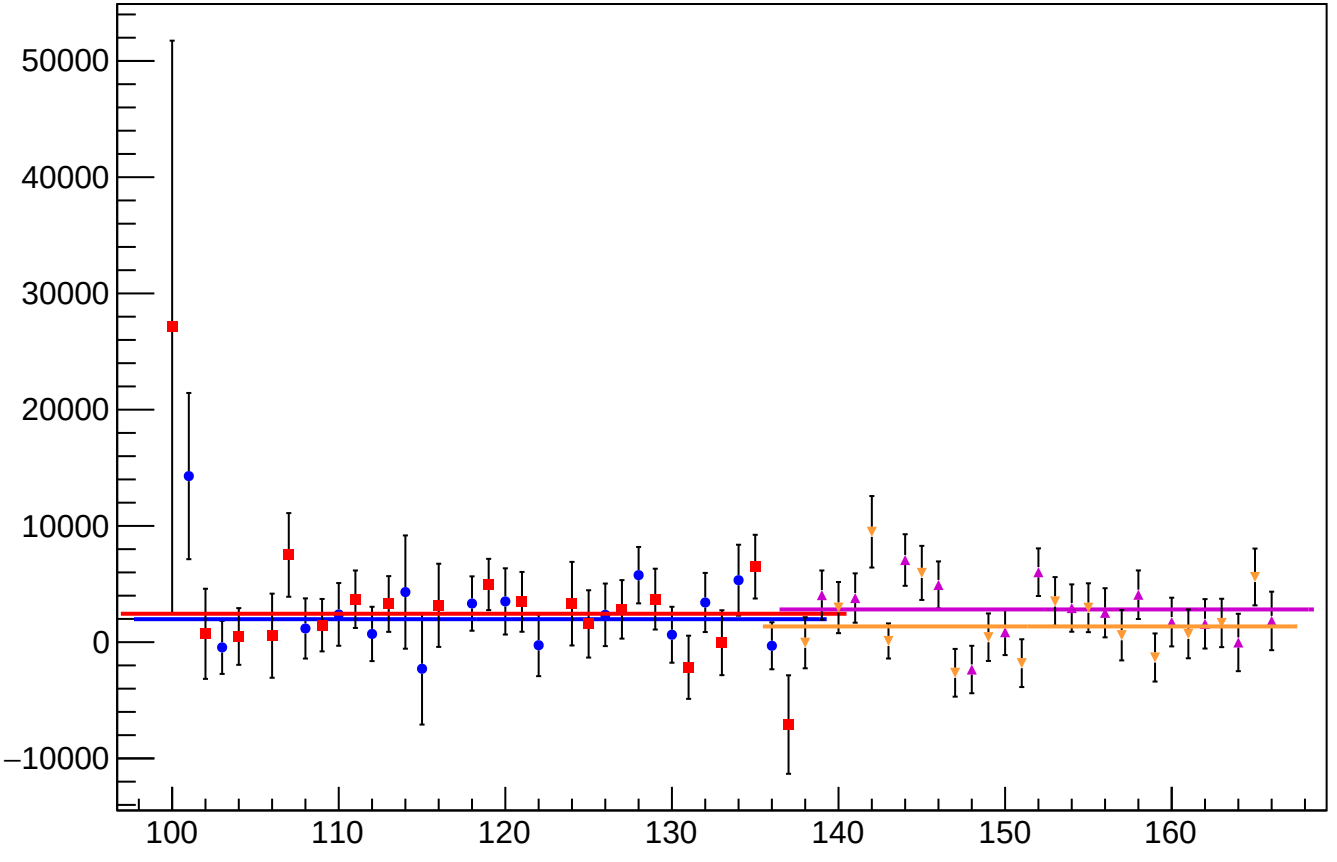
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3785.959+/-0.653 χ^2/NDF:3685056.9/29

Out: 1754.895+/-0.392 χ^2/NDF:18044591.9/33

All: 2293.599+/-0.336 χ^2/NDF: 28838083.7/6

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.598+/-543.883 χ^2/NDF:25.5/14

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2814.974+/-568.632 χ^2/NDF:17.6/13

Left: 2051.269+/-393.042 χ^2/NDF: 46.6/28

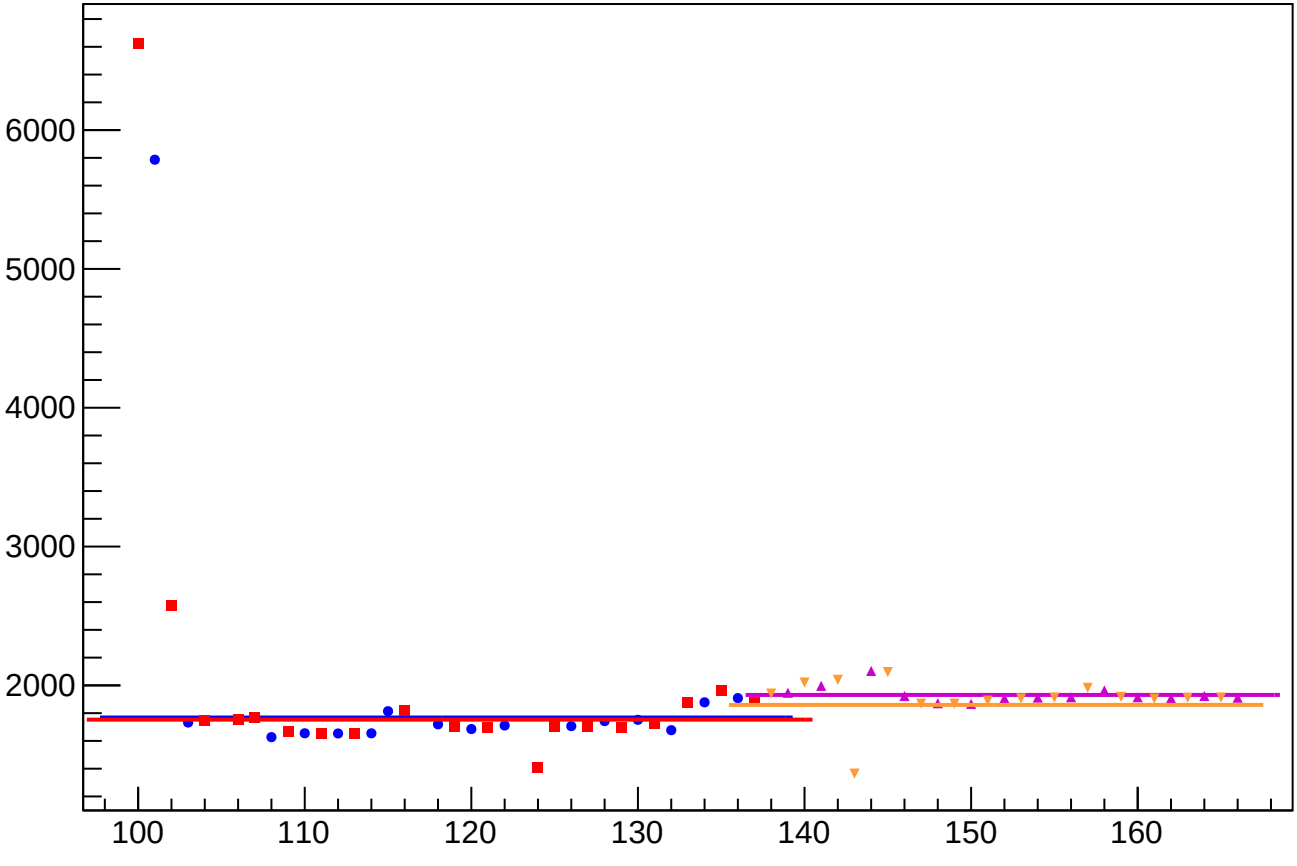
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2466.090+/-434.642 χ^2/NDF:31.0/29

Out: 1795.932+/-419.131 χ^2/NDF:44.6/33

All: 2118.840+/-301.705 χ^2/NDF: 76.8/63

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.592+/-0.385 χ^2/NDF:270049.4/14

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1931.324+/-0.402 χ^2/NDF:19607.6/13

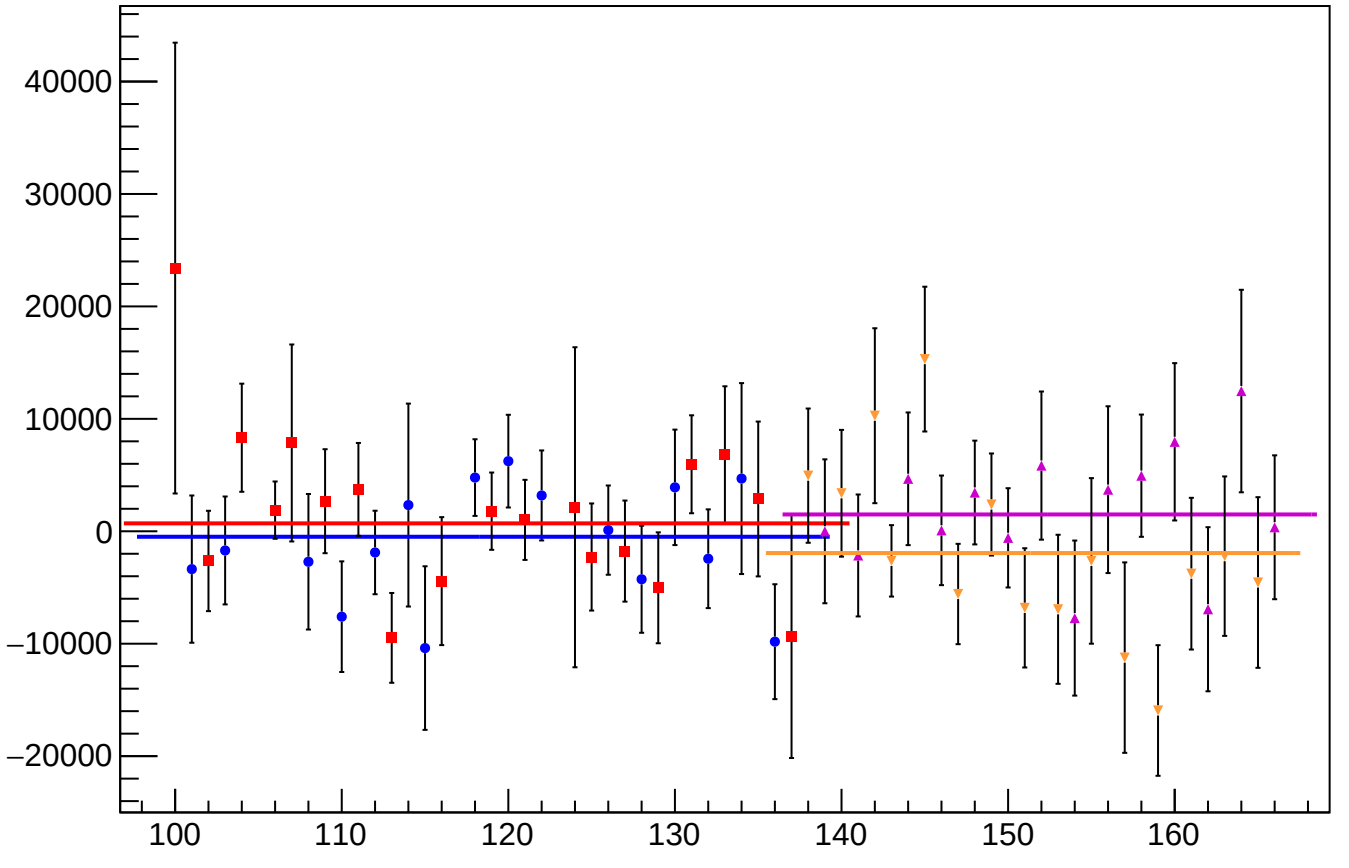
Left: 1893.863+/-0.278 χ^2/NDF: 306278.1/28

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1863.622+/-0.307 χ^2/NDF:755168.5/29

Out: 1816.321+/-0.296 χ^2/NDF:519986.8/33

All: 1839.087+/-0.213 χ^2/NDF: 1287441.8/63



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1936.806+/-1446.964 χ^2/NDF:22.1/14

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1495.902+/-1582.069 χ^2/NDF:7.7/13

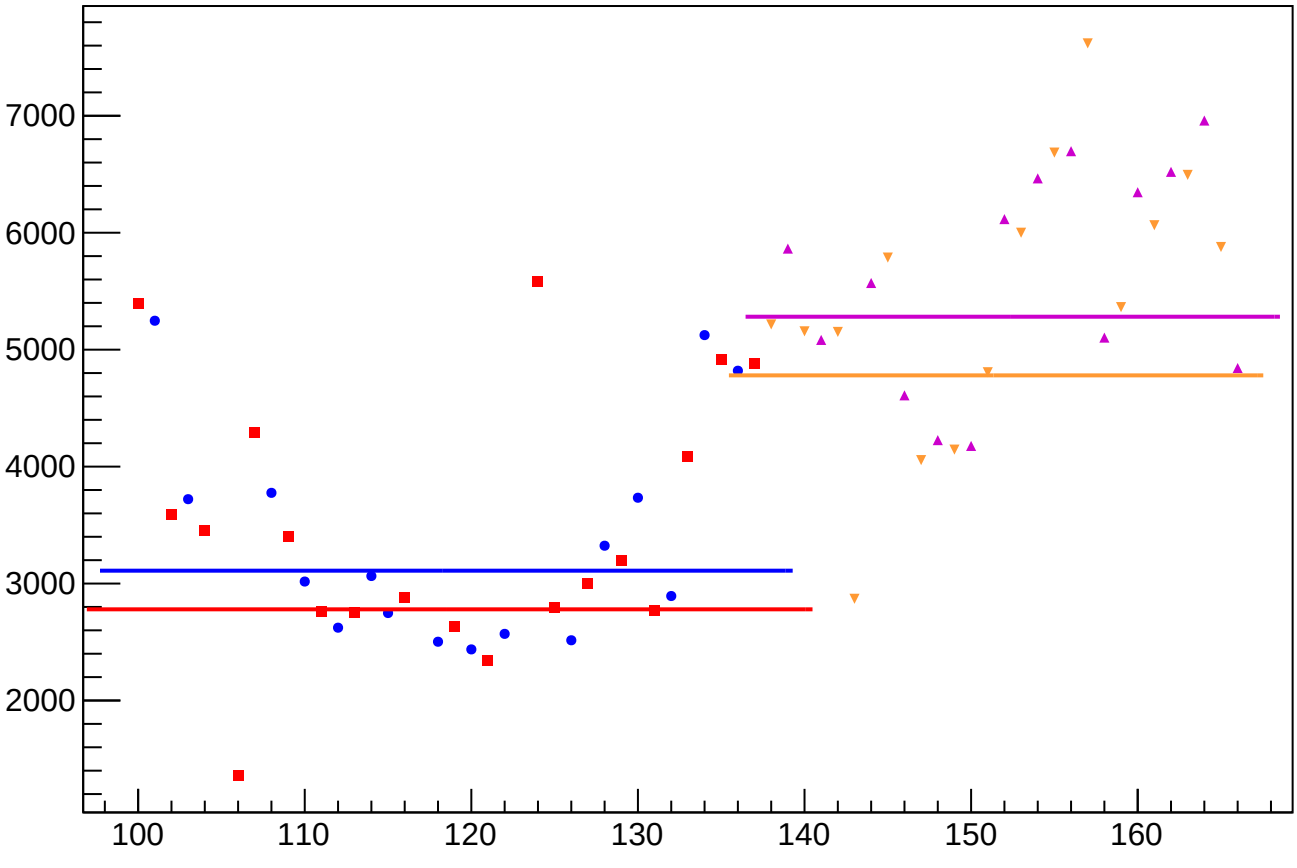
Left: -373.258+/-1067.733 χ^2/NDF: 32.4/28

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 235.328+/-955.328 χ^2/NDF:24.4/29

Out: -229.405+/-860.048 χ^2/NDF:43.1/33

All: -21.363+/-639.185 χ^2/NDF: 67.7/63



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4780.234+/-1.023 χ^2/NDF:1566204.9/14

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5281.803+/-1.119 χ^2/NDF:640628.8/13

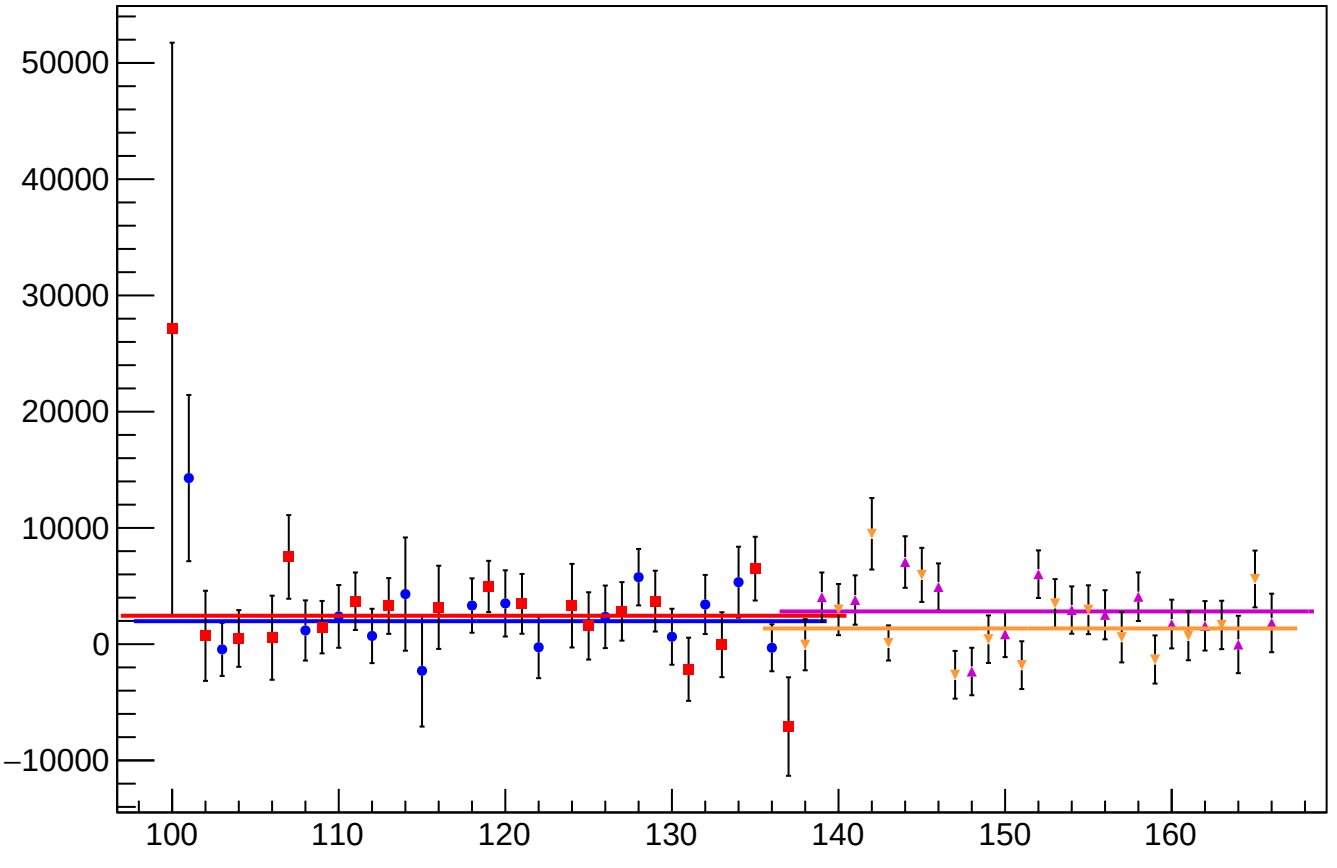
Left: 5008.691+/-0.755 χ^2/NDF: 2316292.4/28

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3901.993+/-0.676 χ^2/NDF:3918268.0/29

Out: 3486.421+/-0.608 χ^2/NDF:5386909.2/33

All: 3672.456+/-0.452 χ^2/NDF: 9514214.7/63



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.593+/-543.883 χ^2/NDF:25.5/14

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2814.974+/-568.633 χ^2/NDF:17.6/13

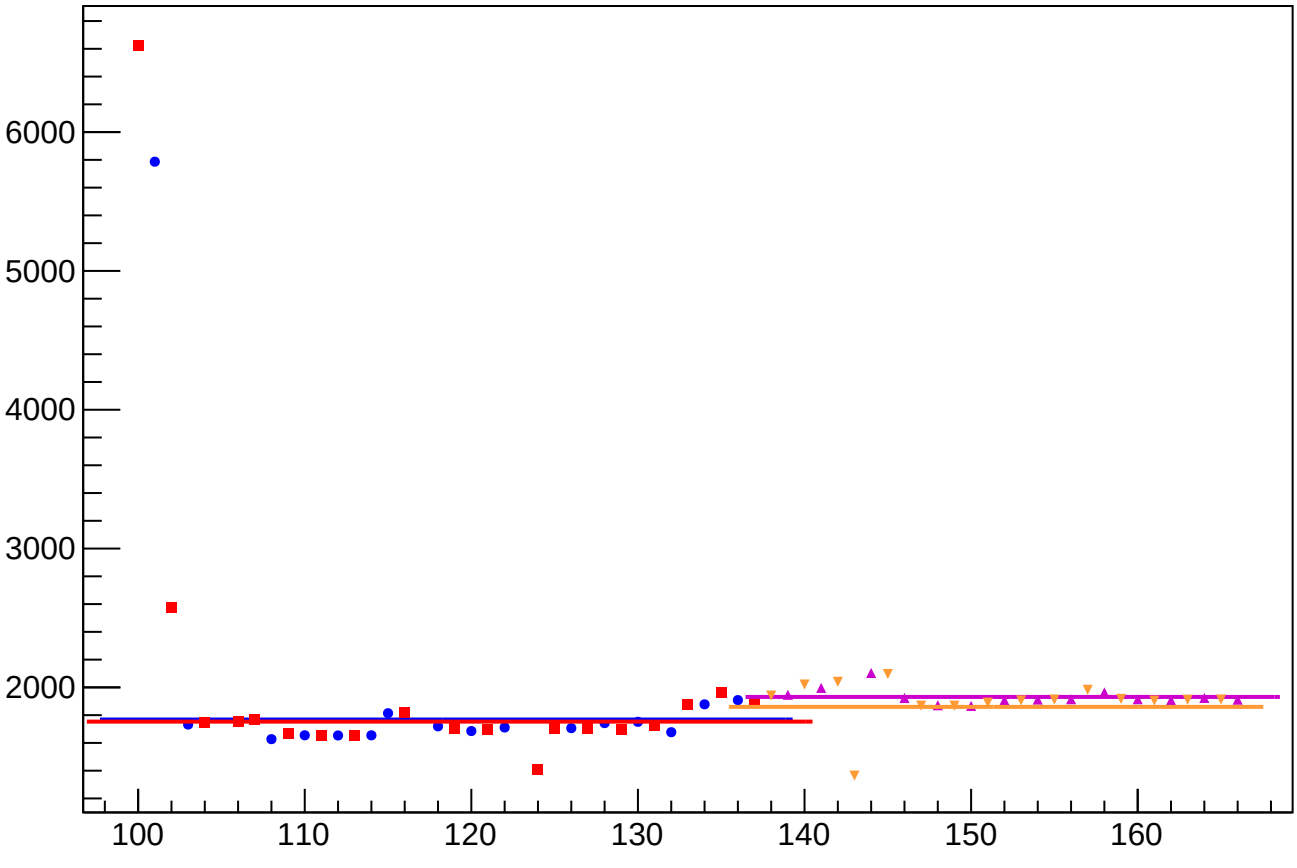
Left: 2051.267+/-393.042 χ^2/NDF: 46.6/28

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2466.090+/-434.642 χ^2/NDF:31.0/29

Out: 1795.930+/-419.131 χ^2/NDF:44.6/33

All: 2118.839+/-301.705 χ^2/NDF: 76.8/63



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.593+/-0.385 χ^2/NDF:270050.8/14

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1931.325+/-0.402 χ^2/NDF:19607.8/13

Left: 1893.864+/-0.278 χ^2/NDF: 306279.8/28

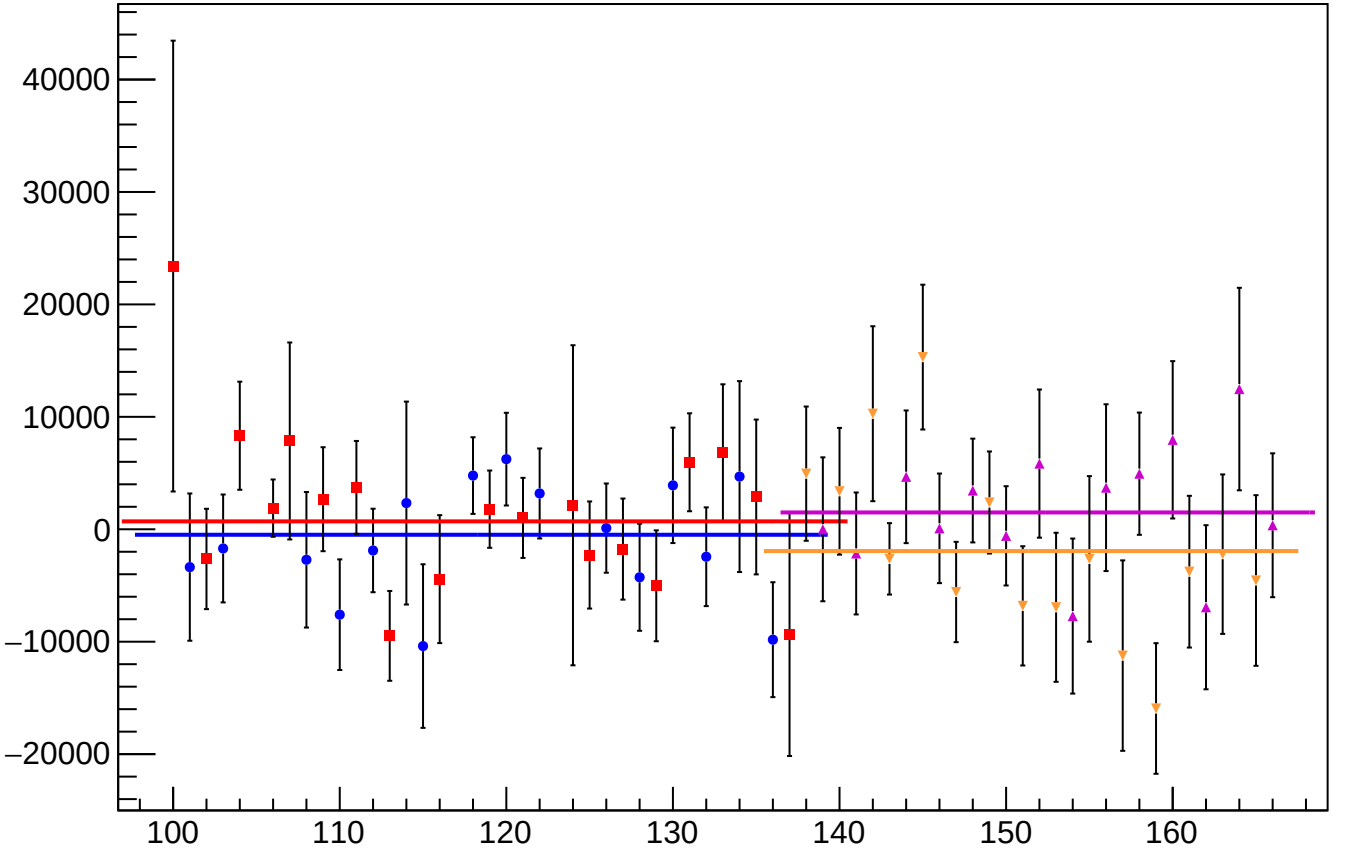
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1863.622+/-0.307 χ^2/NDF:755169.7/29

Out: 1816.321+/-0.296 χ^2/NDF:519988.9/33

All: 1839.087+/-0.213 χ^2/NDF: 1287445.0/63

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1936.813+/-1446.965 χ^2/NDF:22.1/14

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1495.902+/-1582.071 χ^2/NDF:7.7/13

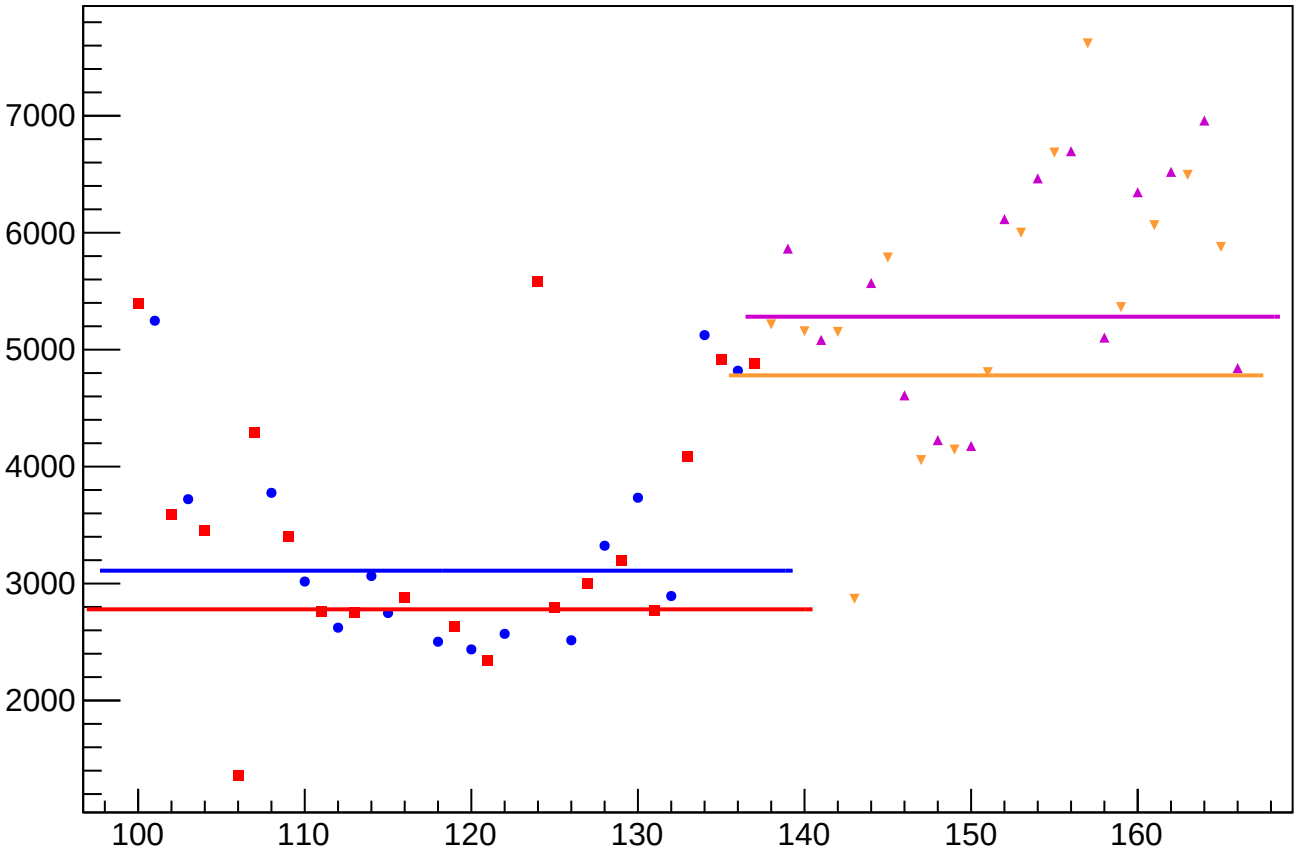
Left: -373.262+/-1067.734 χ^2/NDF: 32.4/28

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 235.328+/-955.327 χ^2/NDF:24.4/29

Out: -229.400+/-860.046 χ^2/NDF:43.1/33

All: -21.361+/-639.183 χ^2/NDF: 67.7/63



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4780.238+/-1.023 χ^2/NDF:1566212.7/14

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5281.809+/-1.119 χ^2/NDF:640632.3/13

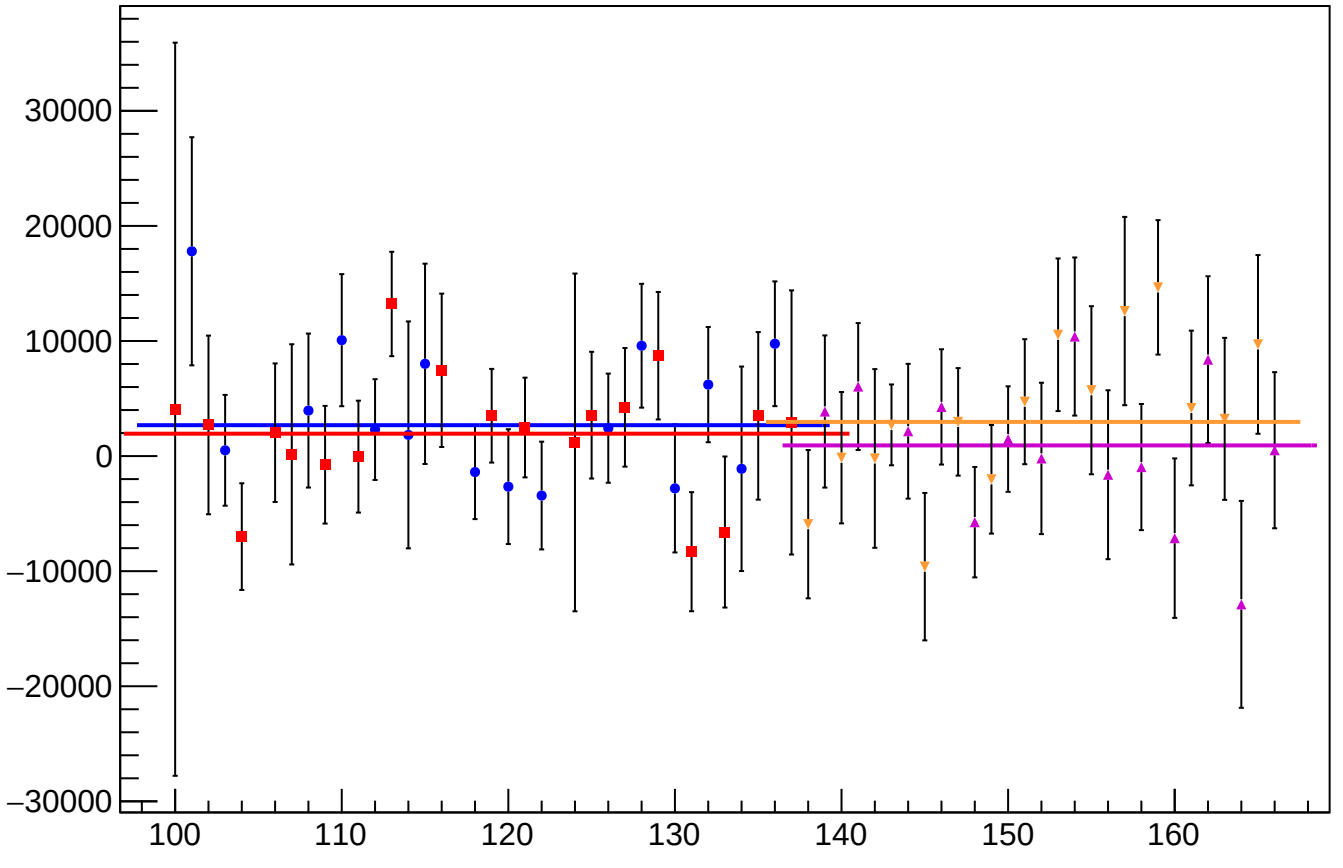
Left: 5008.696+/-0.755 χ^2/NDF: 2316304.2/28

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3901.984+/-0.676 χ^2/NDF:3918321.3/29

Out: 3486.410+/-0.608 χ^2/NDF:5386981.6/33

All: 3672.445+/-0.452 χ^2/NDF: 9514343.3/63



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2970.129+/-1497.279 χ^2/NDF:15.1/14

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 926.545+/-1609.759 χ^2/NDF:10.4/13

Left: 2022.221+/-1096.346 χ^2/NDF: 26.4/28

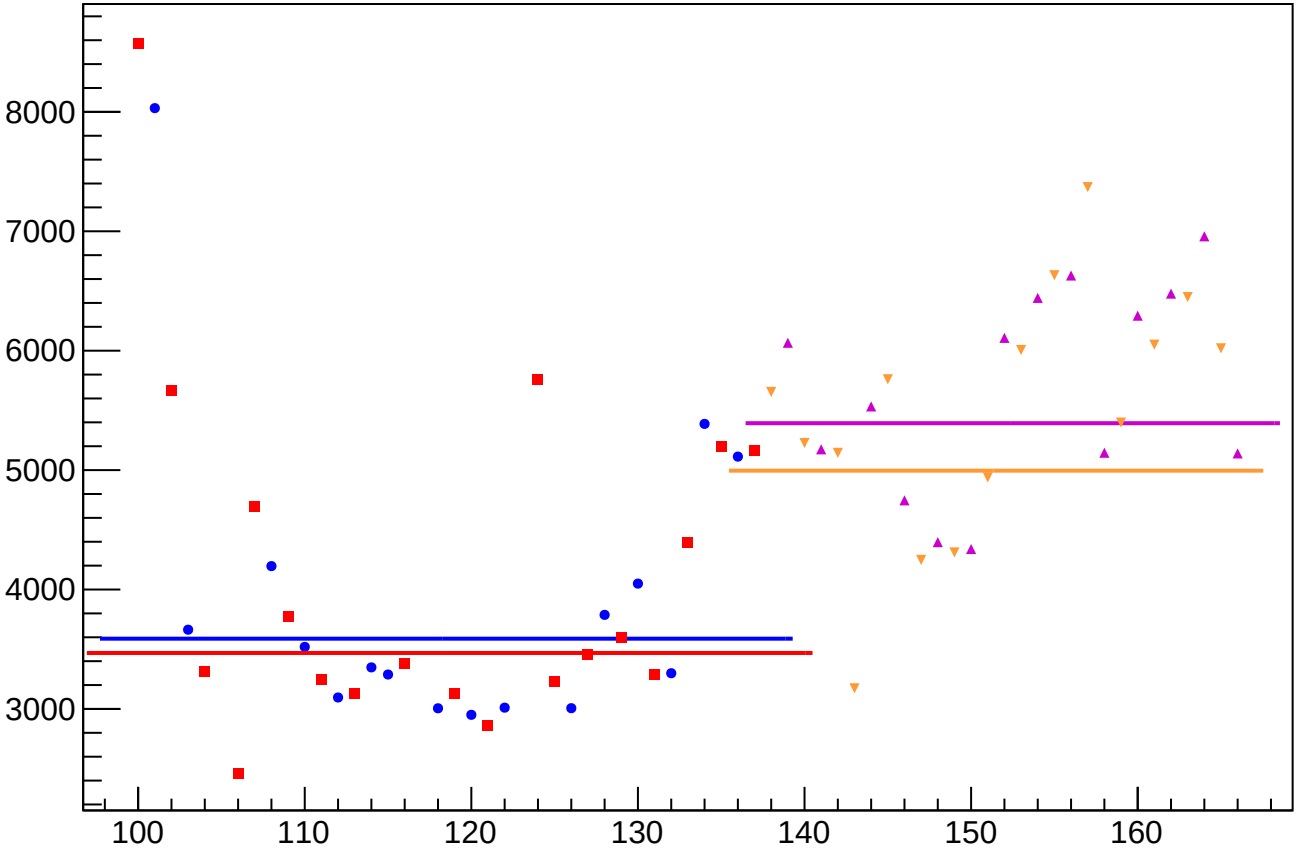
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 1940.411+/-1047.667 χ^2/NDF:24.6/29

Out: 2398.639+/-995.602 χ^2/NDF:34.0/33

All: 2181.194+/-721.701 χ^2/NDF: 58.7/63

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4995.461+/-1.059 χ^2/NDF:1179941.4/14

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5392.866+/-1.138 χ^2/NDF:523251.7/13

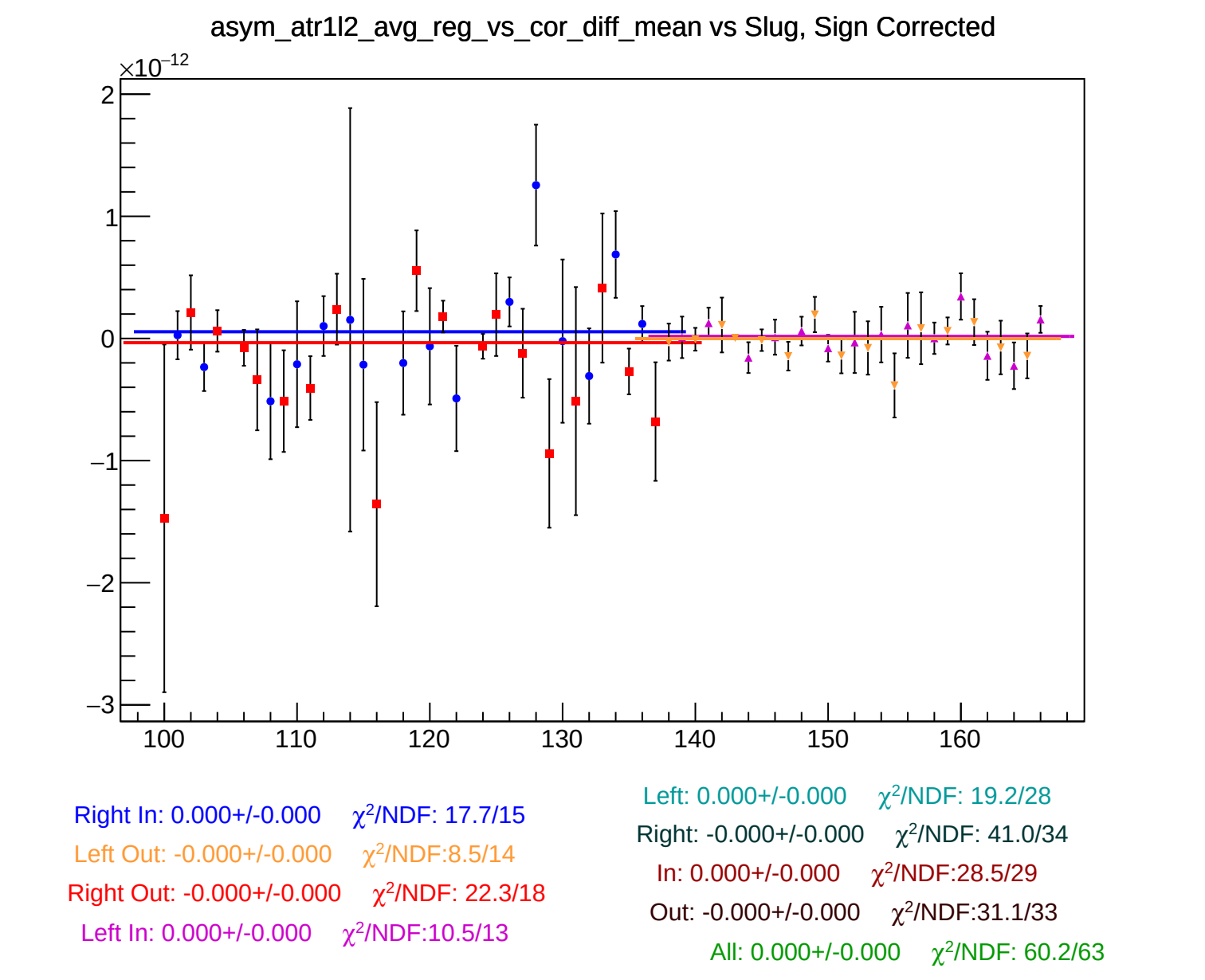
Left: 5179.795+/-0.775 χ^2/NDF: 1768546.0/28

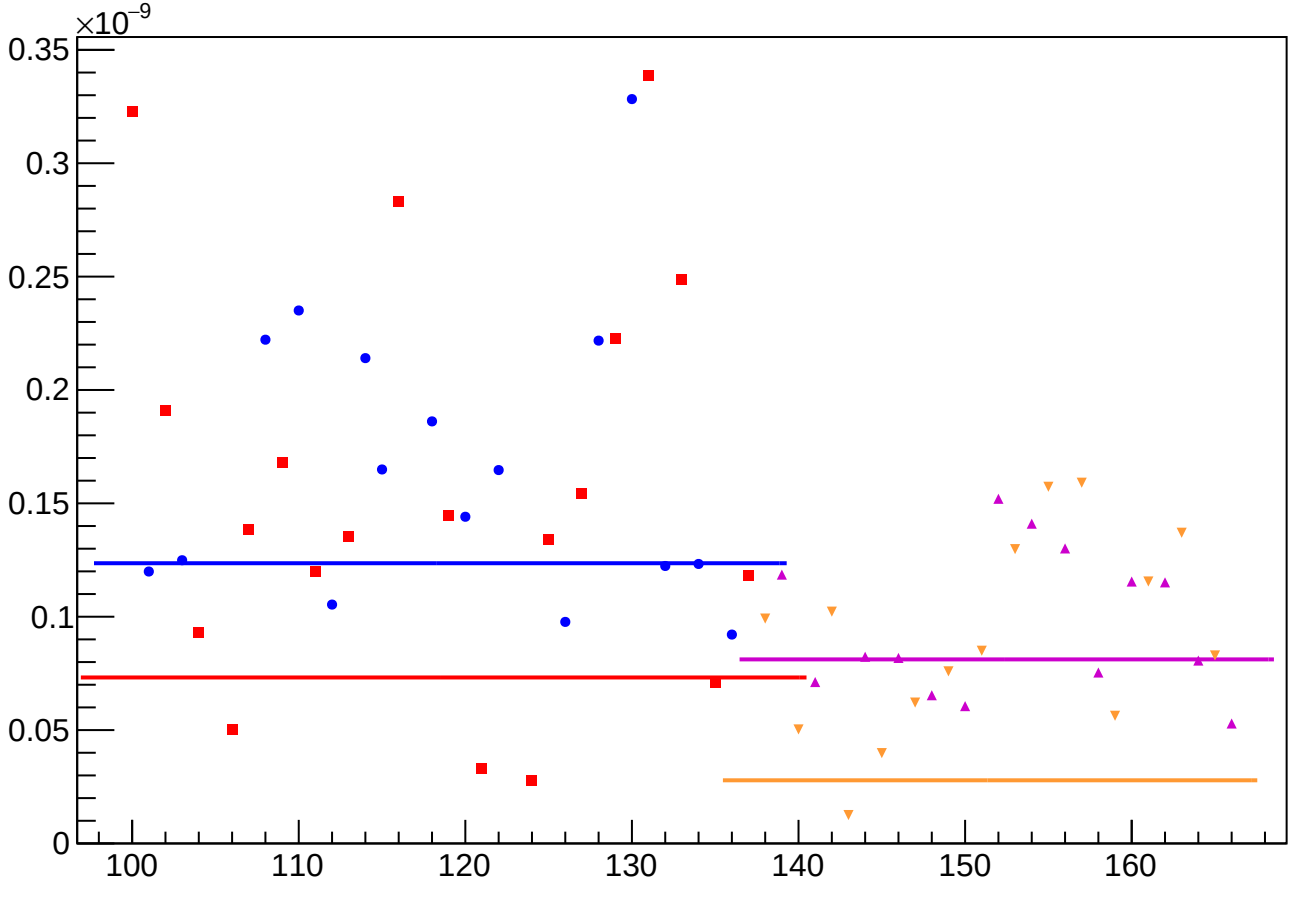
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4352.732+/-0.741 χ^2/NDF:2817037.3/29

Out: 4132.205+/-0.698 χ^2/NDF:3022346.3/33

All: 4235.908+/-0.508 χ^2/NDF: 5886327.6/63


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:8.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:10.5/13
Left: 0.000+/-0.000 χ²/NDF: 19.2/28
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:28.5/29
Out: -0.000+/-0.000 χ²/NDF:31.1/33
All: 0.000+/-0.000 χ²/NDF: 60.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5012255.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:844932.0/13

Left: 0.000+/-0.000 χ^2/NDF: 8788922.4/28

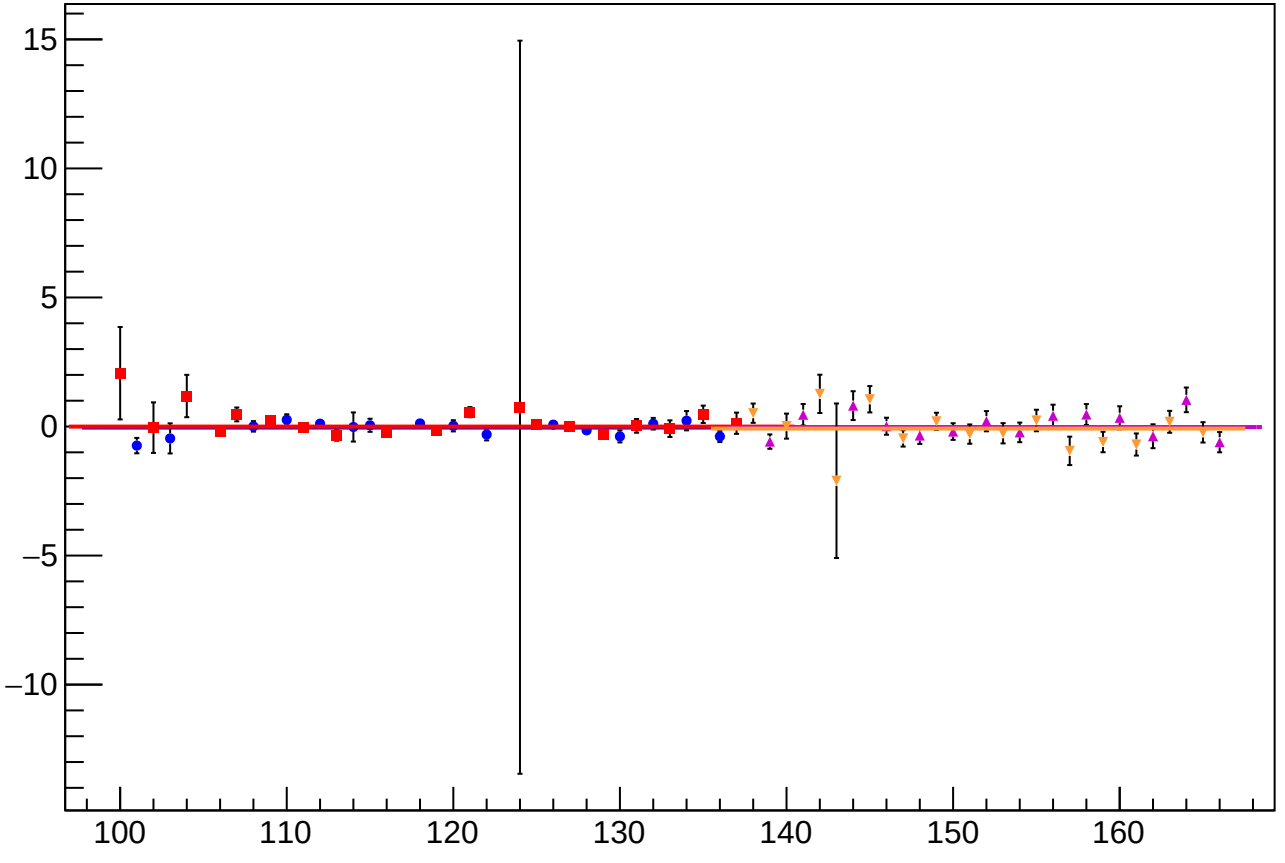
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2027294.8/29

Out: 0.000+/-0.000 χ^2/NDF:8483218.1/33

All: 0.000+/-0.000 χ^2/NDF: 14816925.8/63

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

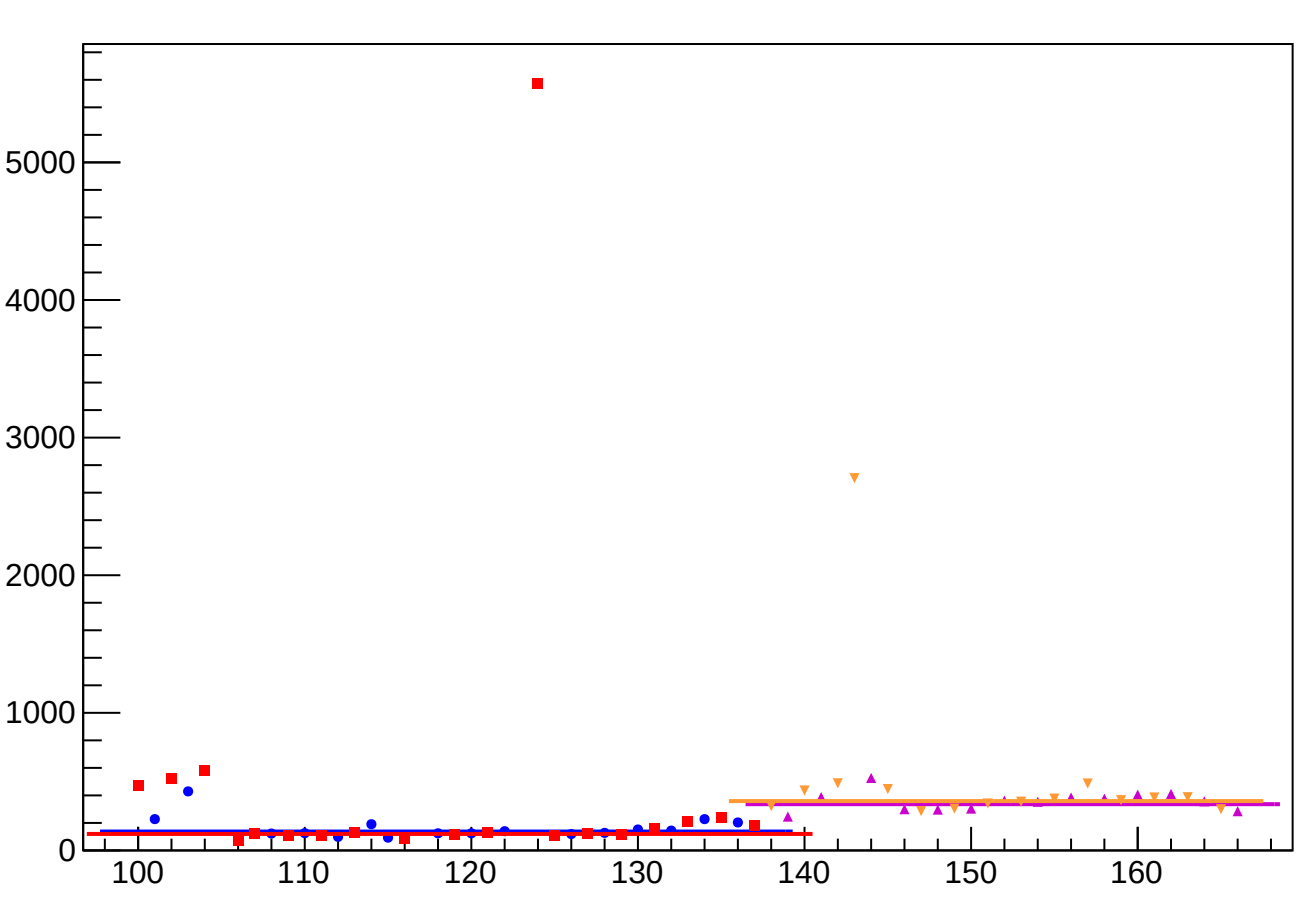
Left: -0.048+/-0.075 χ^2/NDF: 41.8/28

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.025+/-0.034 χ^2/NDF: 88.8/63



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 358.823+/-0.078 χ^2/NDF:1755591.9/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 336.255+/-0.072 χ^2/NDF:743381.0/13

Left: 346.726+/-0.053 χ^2/NDF: 2544125.7/28

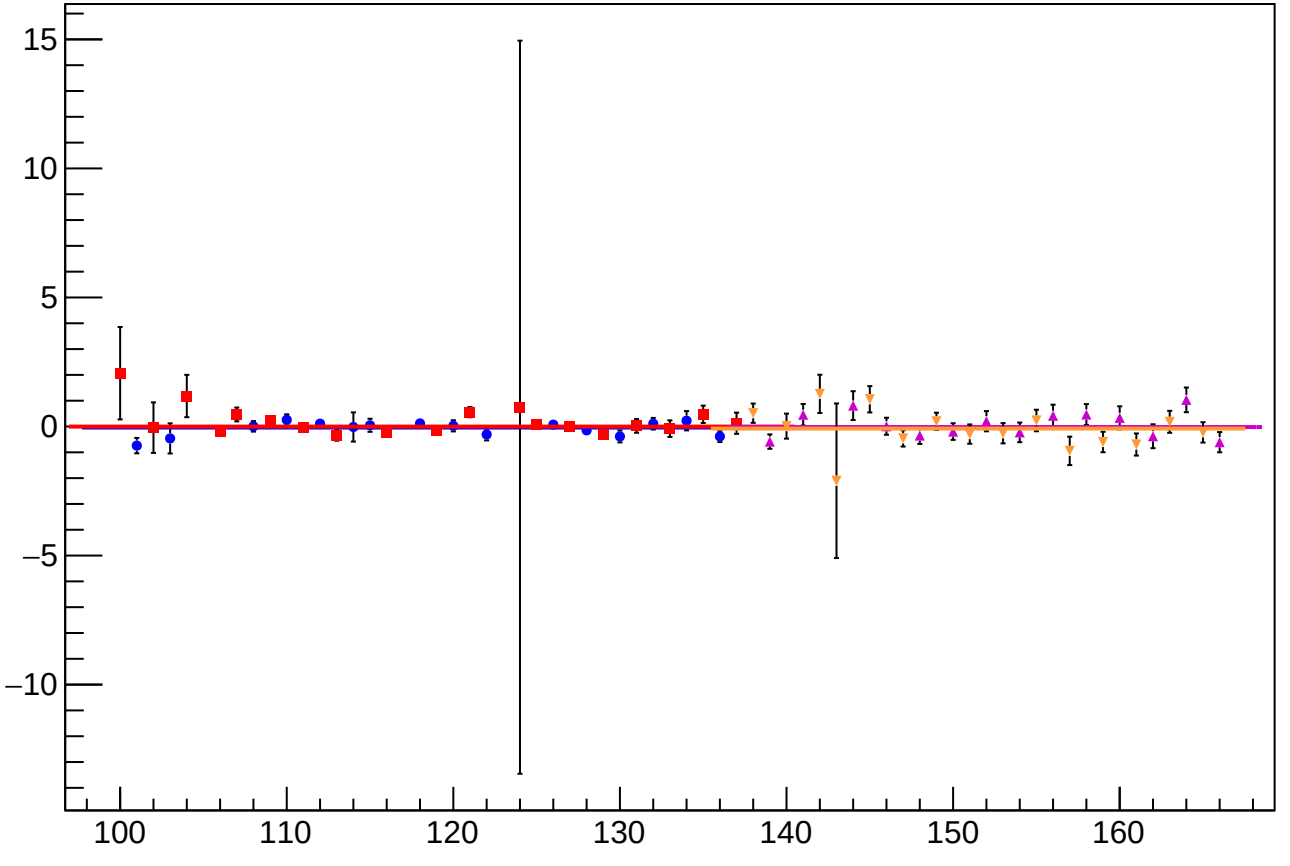
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 183.015+/-0.035 χ^2/NDF:7833913.0/29

Out: 162.180+/-0.033 χ^2/NDF:11662595.0/33

All: 171.988+/-0.024 χ^2/NDF: 19687885.9/63

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

Left: -0.048+/-0.075 χ^2/NDF: 41.8/28

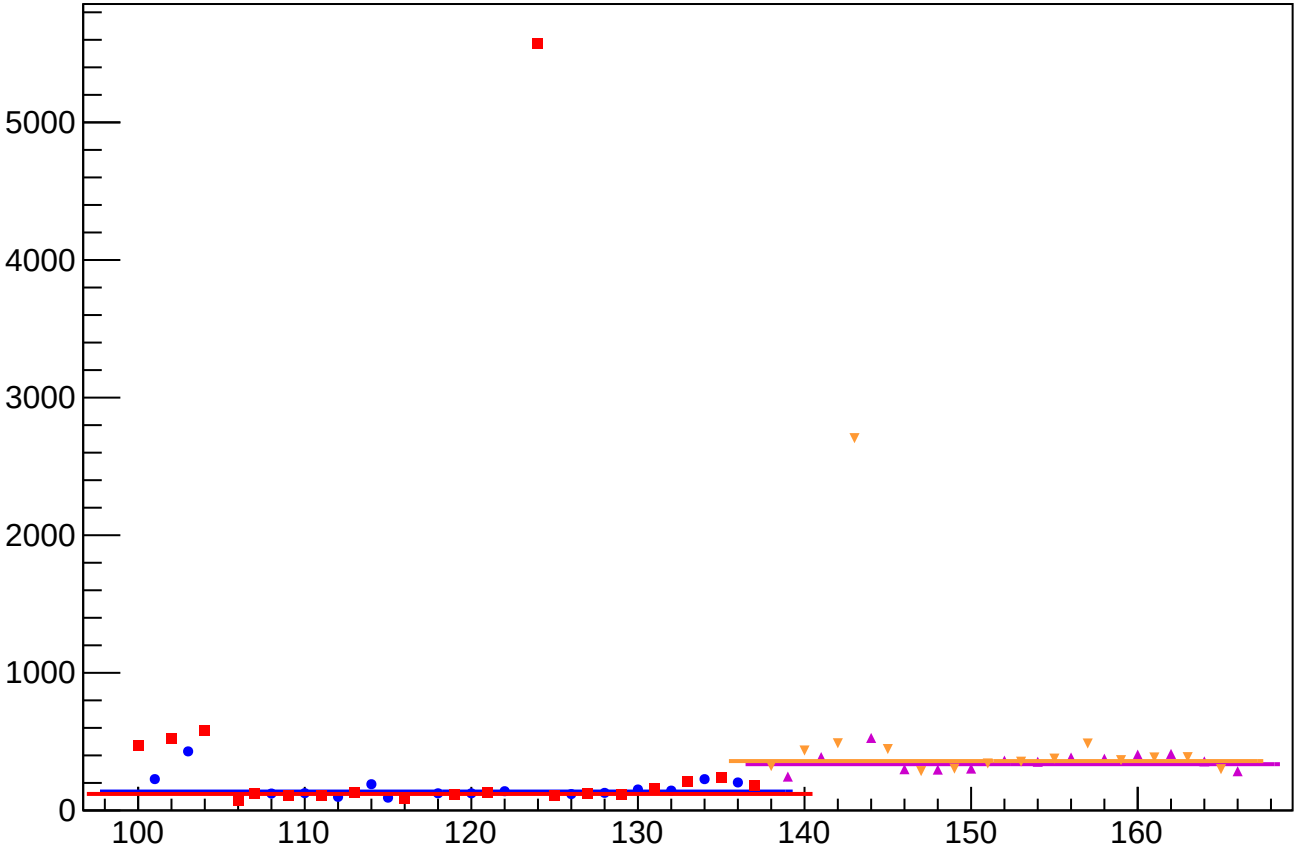
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.025+/-0.034 χ^2/NDF: 88.8/63

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 358.823+/-0.078 χ^2/NDF:1755591.9/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 336.255+/-0.072 χ^2/NDF:743381.0/13

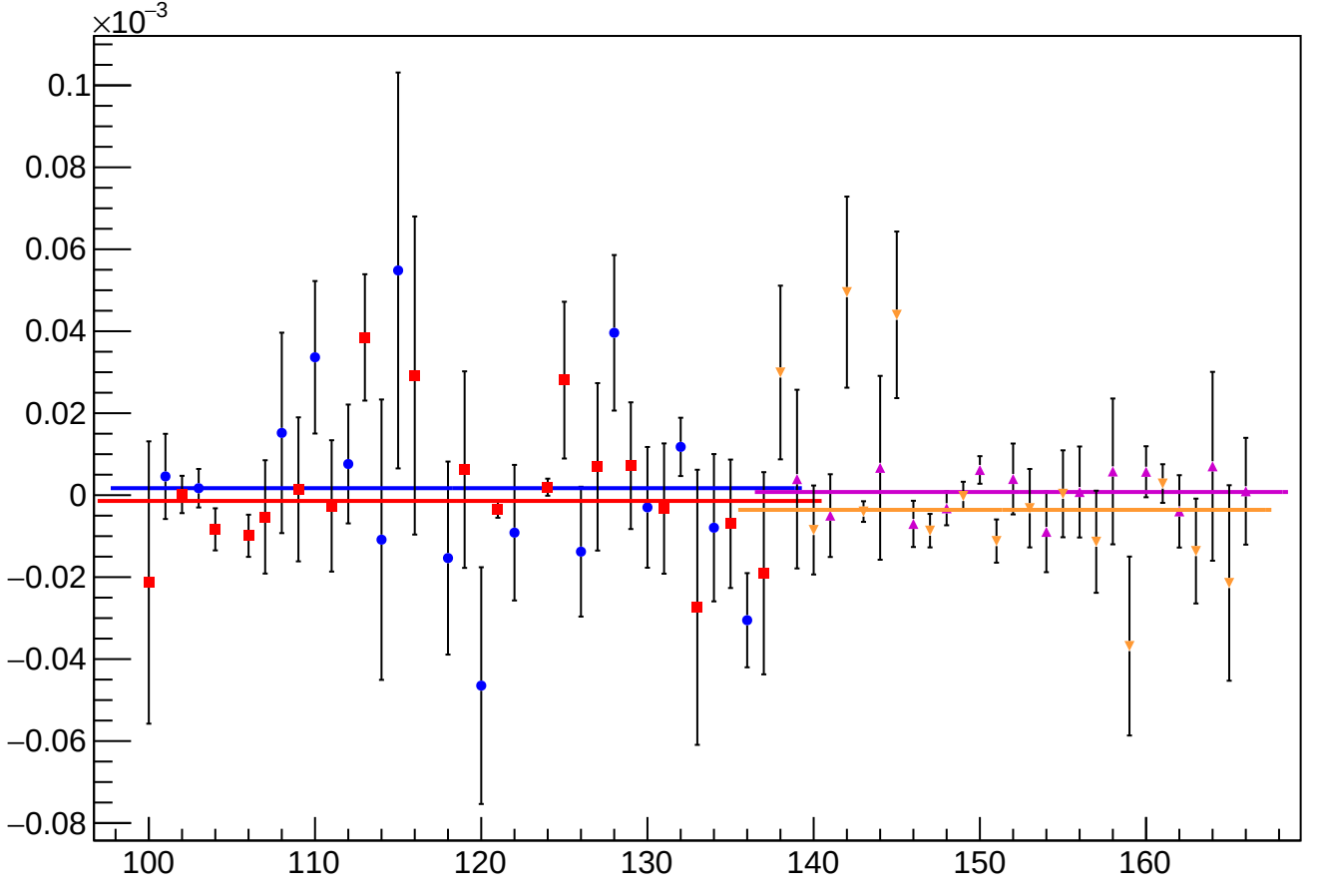
Left: 346.726+/-0.053 χ^2/NDF: 2544125.7/28

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 183.015+/-0.035 χ^2/NDF:7833913.0/29

Out: 162.180+/-0.033 χ^2/NDF:11662595.0/33

All: 171.988+/-0.024 χ^2/NDF: 19687885.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/13

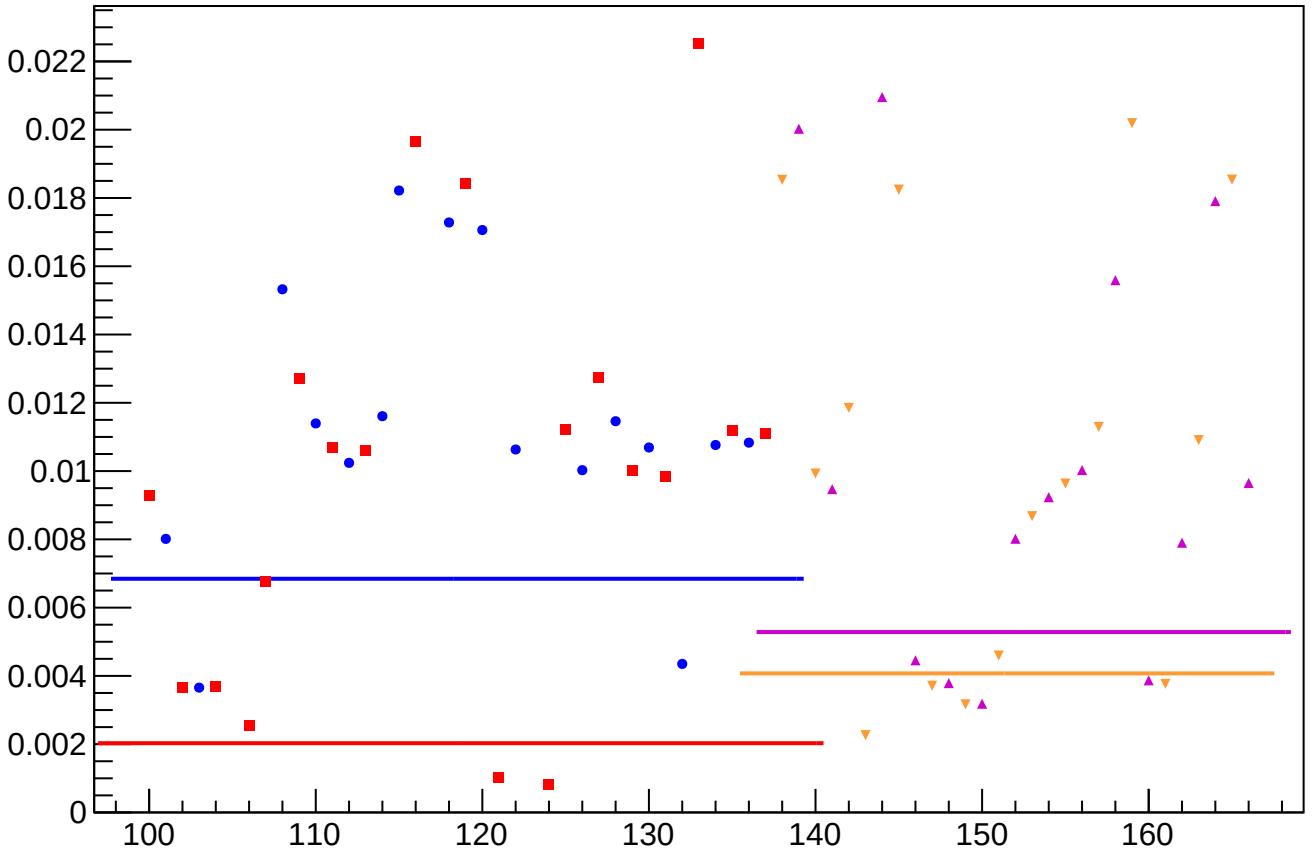
Left: -0.000+/-0.000 χ^2/NDF: 35.0/28

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.8/29

Out: -0.000+/-0.000 χ^2/NDF:45.3/33

All: -0.000+/-0.000 χ^2/NDF: 80.3/63



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:8003070.9/14

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5979051.8/13

Left: 0.005+/-0.000 χ^2/NDF: 14473245.7/28

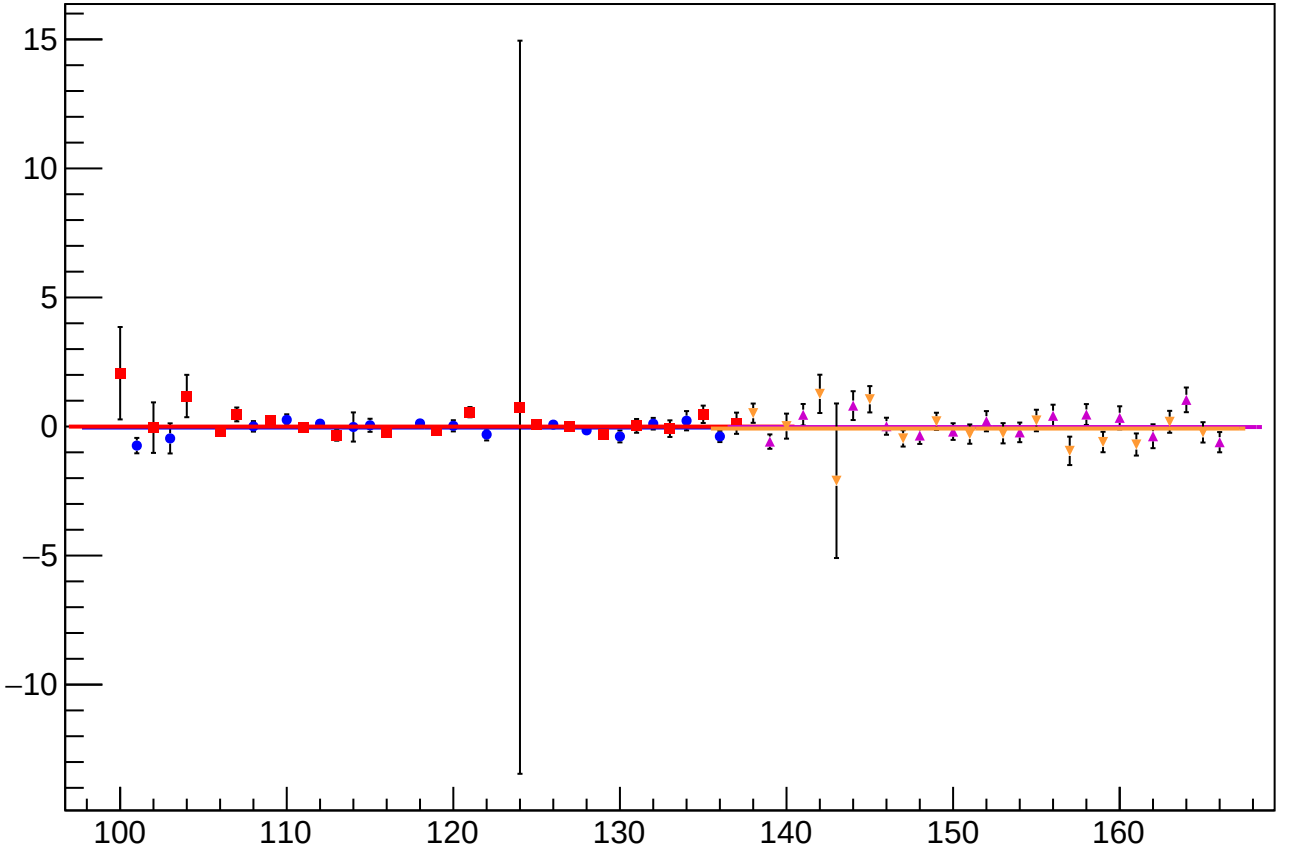
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:9600289.3/29

Out: 0.003+/-0.000 χ^2/NDF:19162217.4/33

All: 0.004+/-0.000 χ^2/NDF: 33482957.6/63

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

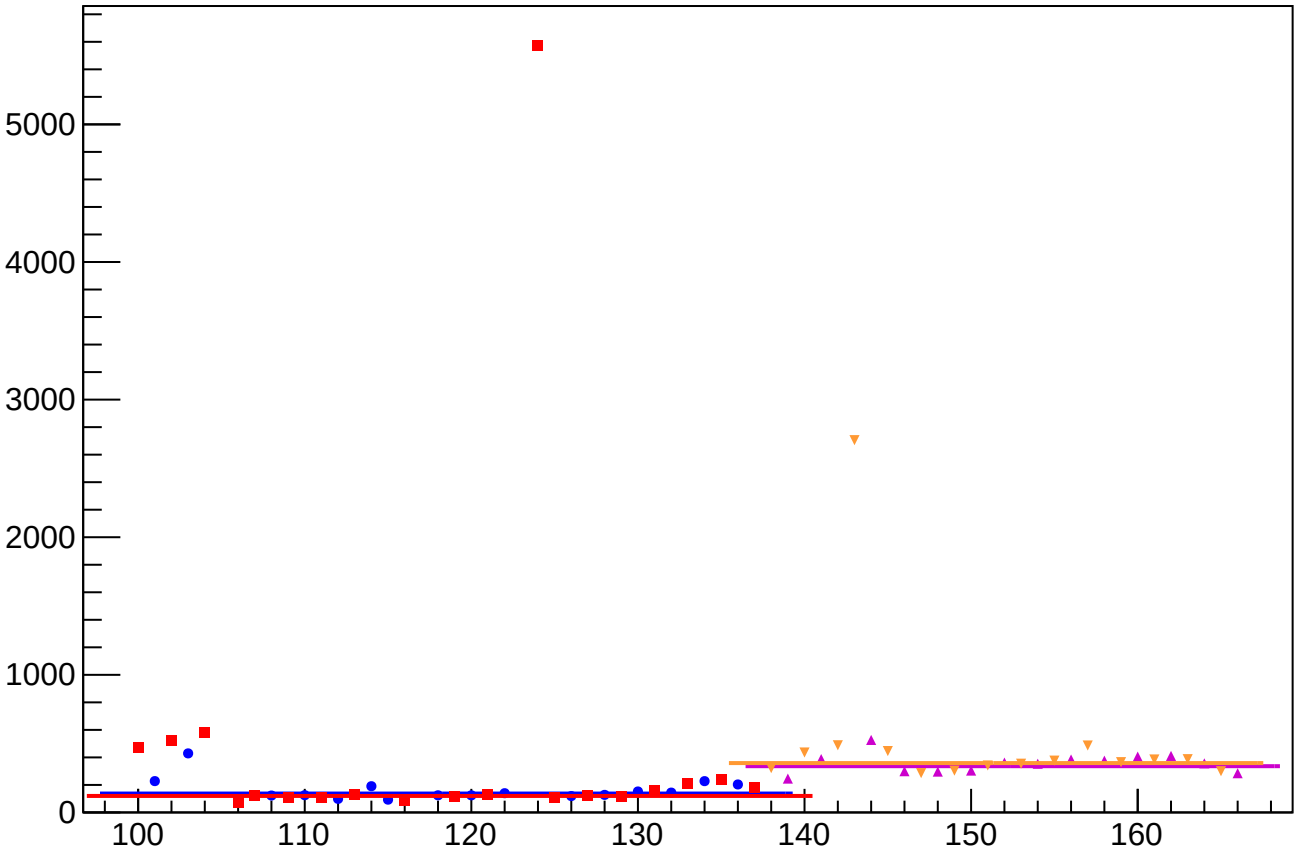
Left: -0.048+/-0.075 χ^2/NDF: 41.8/28

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.025+/-0.034 χ^2/NDF: 88.8/63



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 358.827+/-0.078 χ^2/NDF:1755618.8/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 336.259+/-0.072 χ^2/NDF:743379.7/13

Left: 346.731+/-0.053 χ^2/NDF: 2544149.3/28

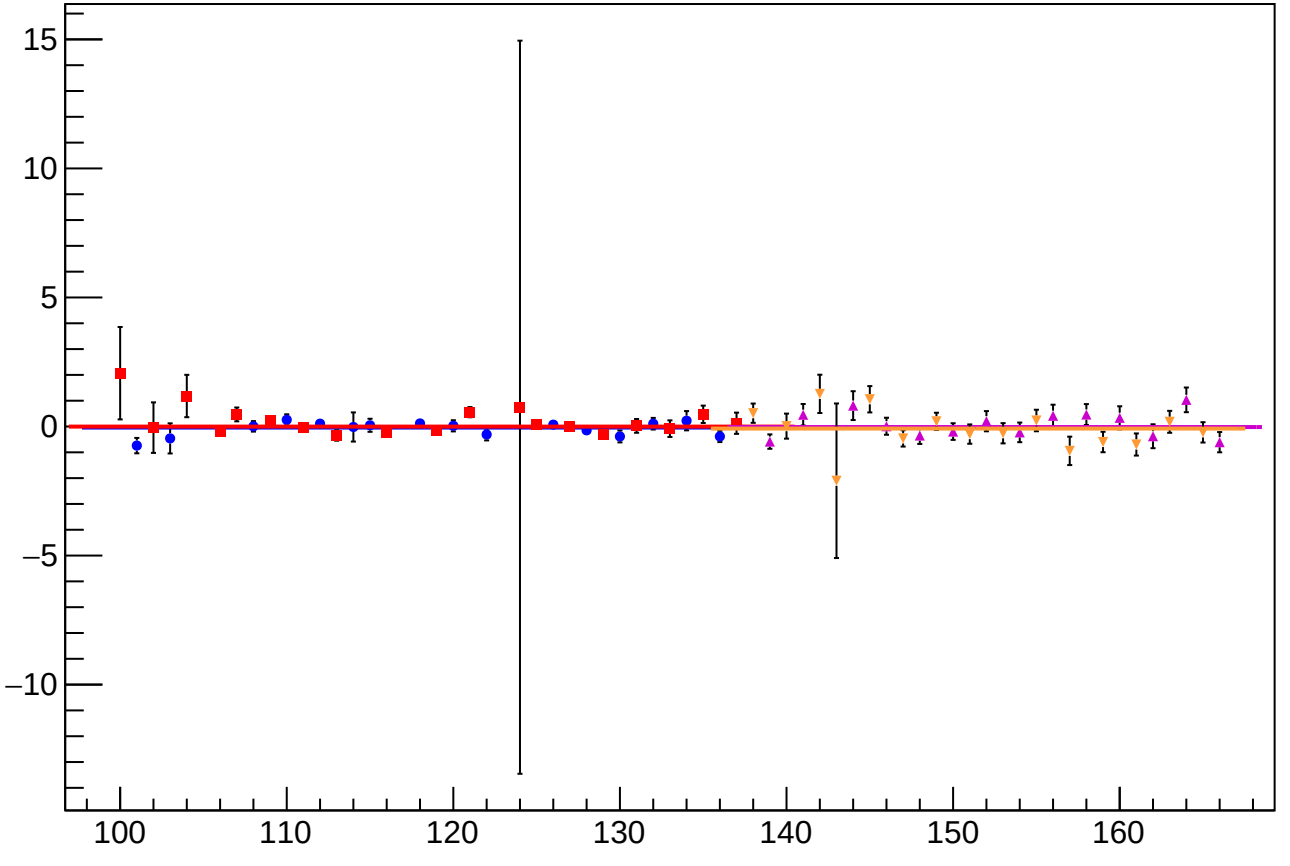
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 183.016+/-0.035 χ^2/NDF:7833937.6/29

Out: 162.180+/-0.033 χ^2/NDF:11662681.2/33

All: 171.988+/-0.024 χ^2/NDF: 19688020.1/63

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.020+/-0.102 χ^2/NDF:20.3/13

Left: -0.048+/-0.075 χ^2/NDF: 41.8/28

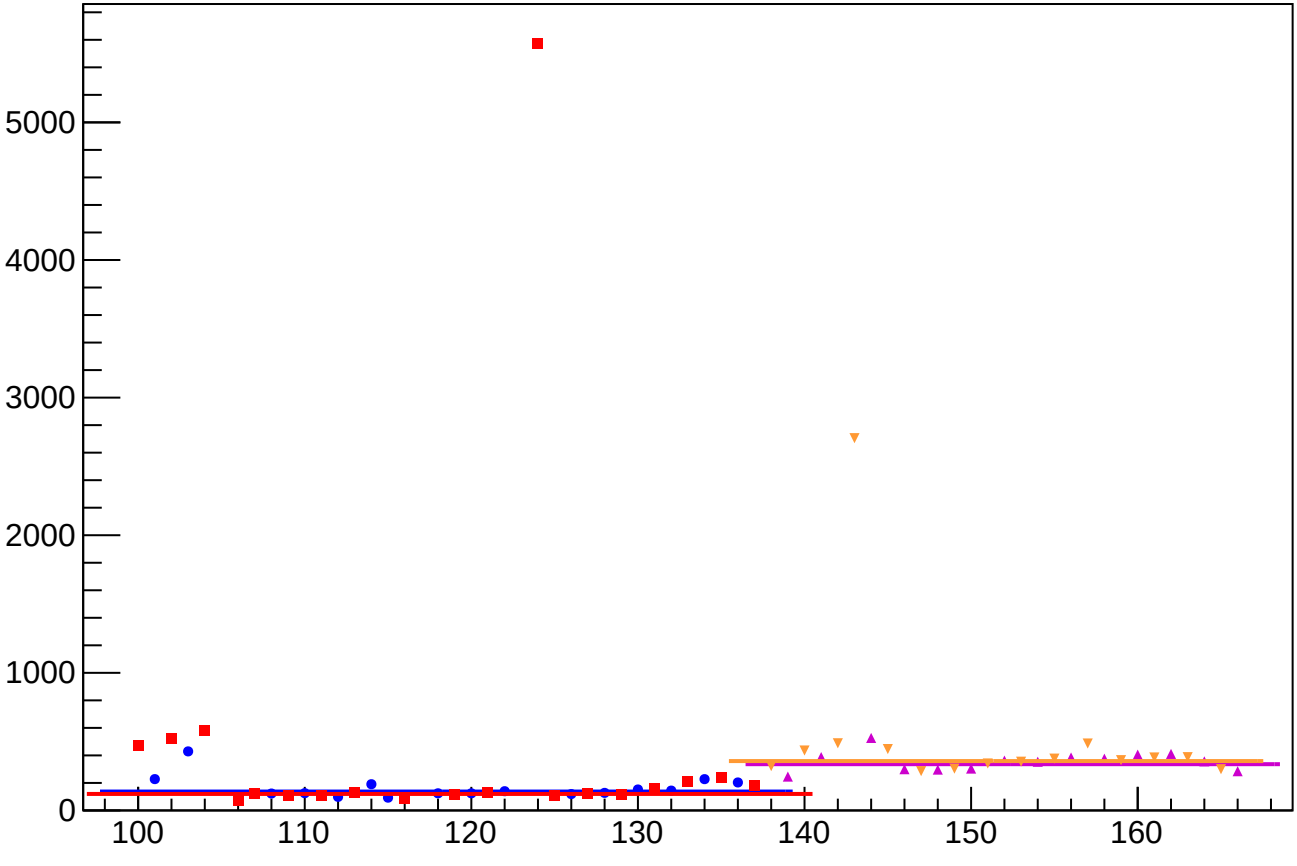
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.035+/-0.049 χ^2/NDF:38.3/29

Out: -0.016+/-0.046 χ^2/NDF:50.4/33

All: -0.025+/-0.034 χ^2/NDF: 88.8/63

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 358.827+/-0.078 χ^2/NDF:1755618.8/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 336.259+/-0.072 χ^2/NDF:743379.7/13

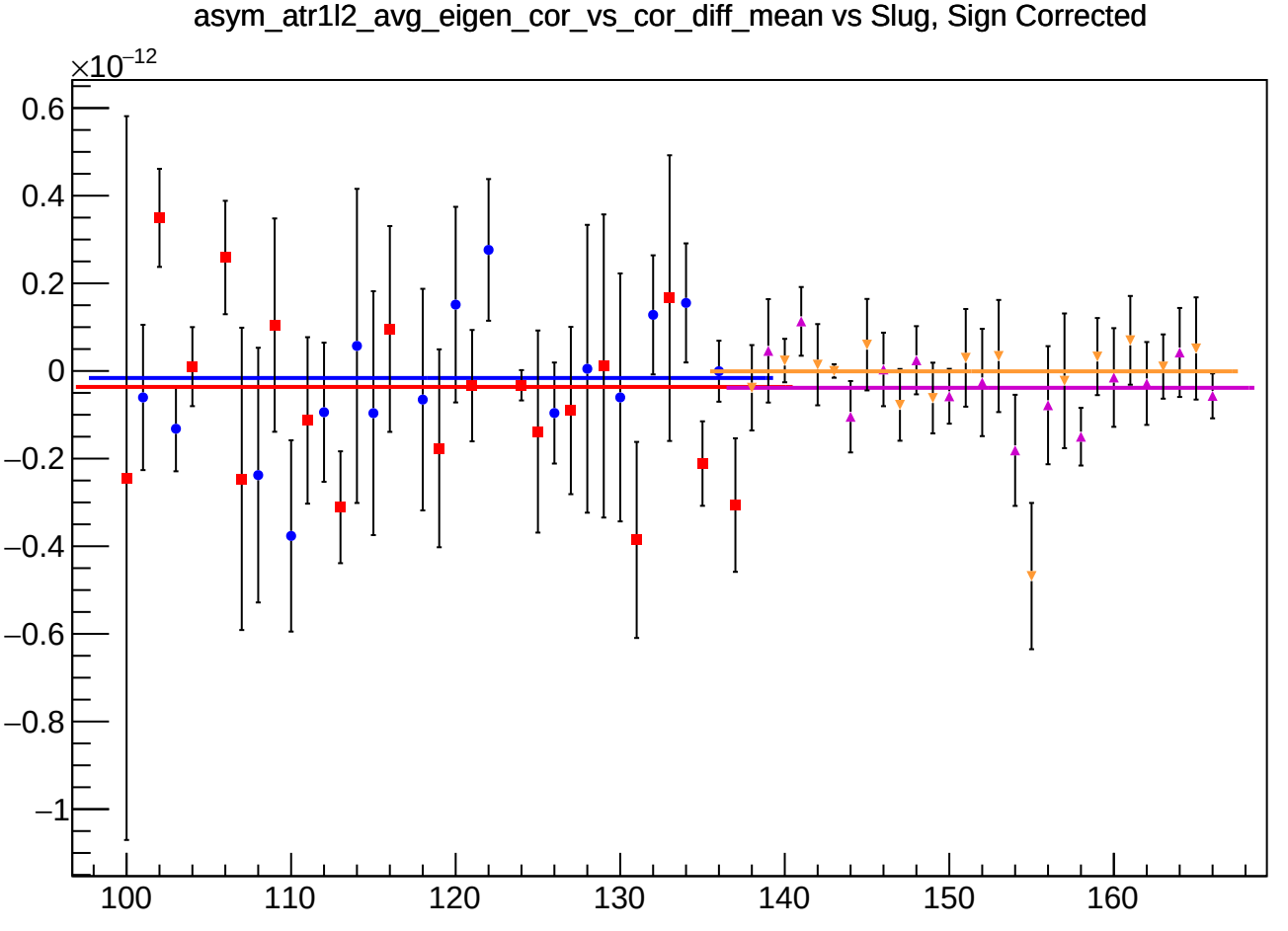
Left: 346.731+/-0.053 χ^2/NDF: 2544149.3/28

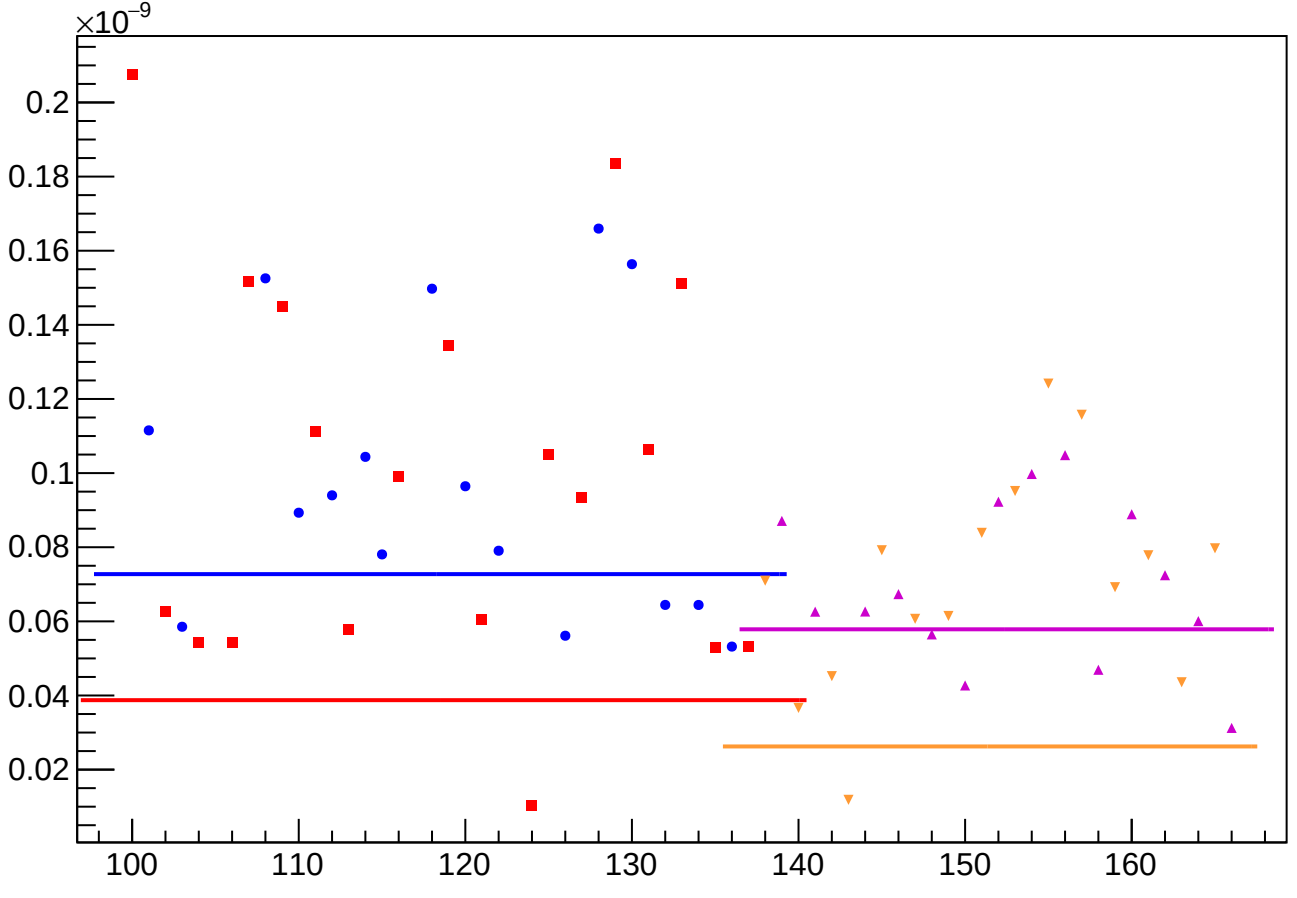
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 183.016+/-0.035 χ^2/NDF:7833937.6/29

Out: 162.180+/-0.033 χ^2/NDF:11662681.2/33

All: 171.988+/-0.024 χ^2/NDF: 19688020.1/63


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.0/13
Left: -0.000+/-0.000 χ²/NDF: 24.2/28
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:23.5/29
Out: -0.000+/-0.000 χ²/NDF:45.8/33
All: -0.000+/-0.000 χ²/NDF: 70.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7591009.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1694874.7/13

Left: 0.000+/-0.000 χ^2/NDF: 12308115.7/28

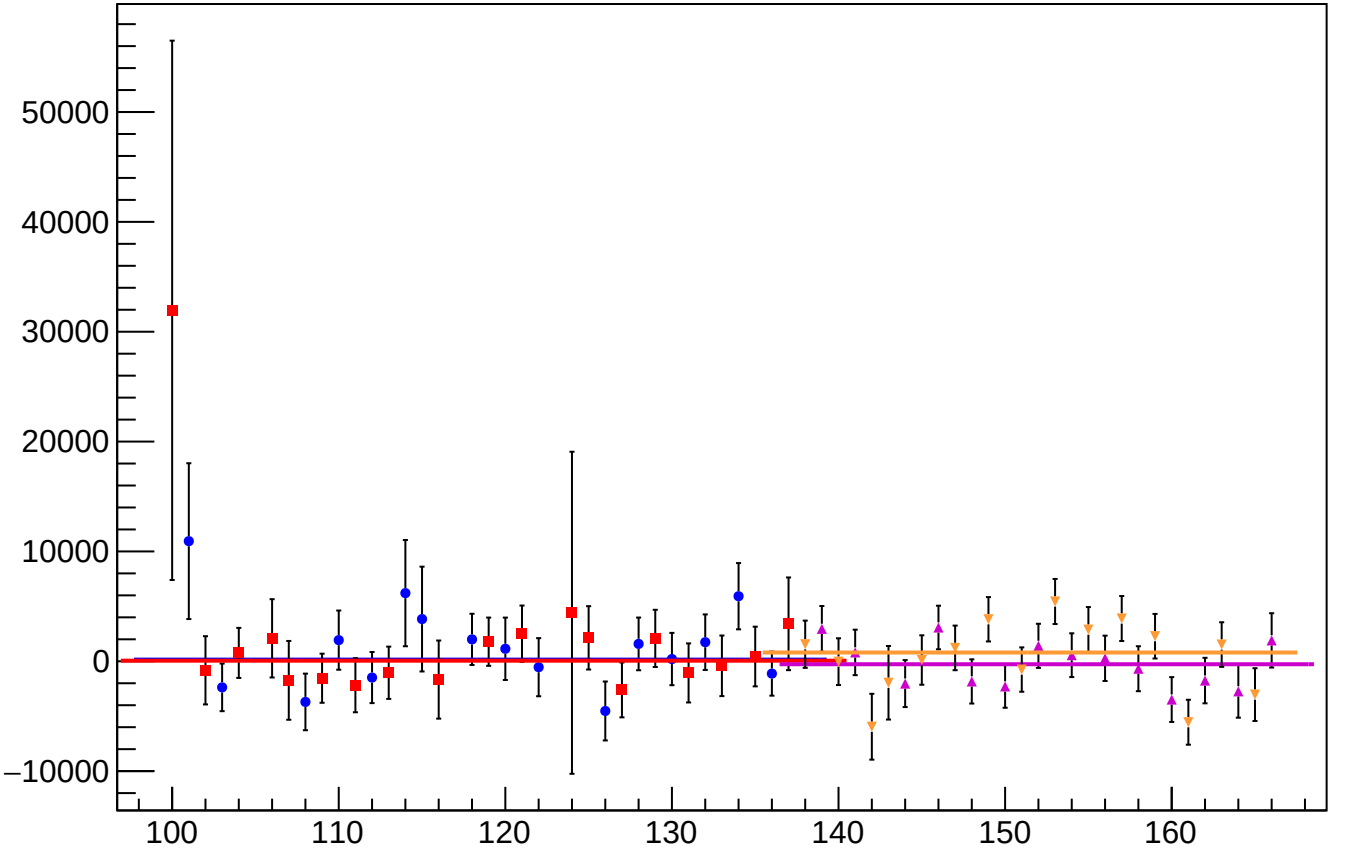
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3058883.3/29

Out: 0.000+/-0.000 χ^2/NDF:12239936.0/33

All: 0.000+/-0.000 χ^2/NDF: 19659233.1/63

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 797.280+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -269.560+/-556.088 χ^2/NDF:13.7/13

Left: 259.345+/-394.874 χ^2/NDF: 45.8/28

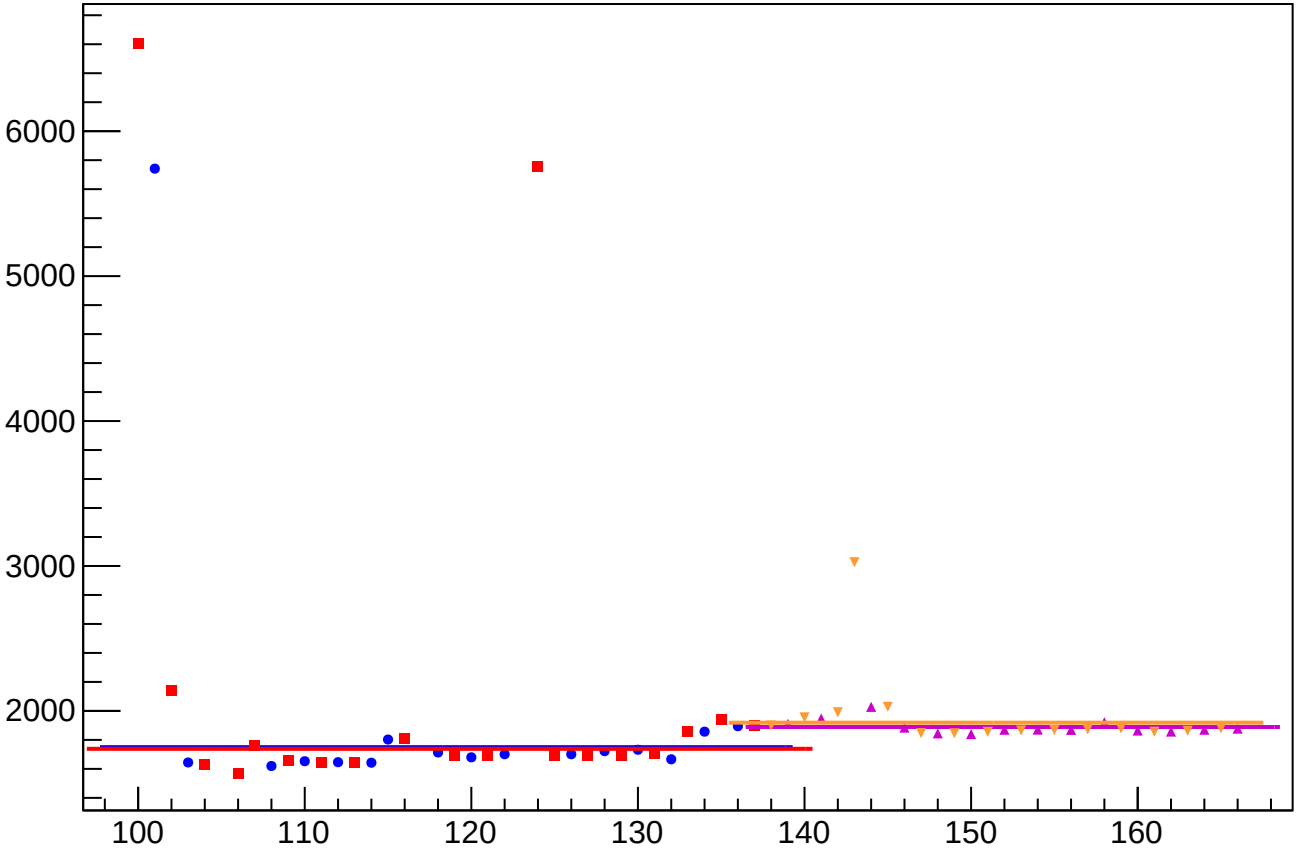
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -97.229+/-427.126 χ^2/NDF:31.6/29

Out: 483.068+/-426.073 χ^2/NDF:40.0/33

All: 193.636+/-301.651 χ^2/NDF: 72.5/63

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

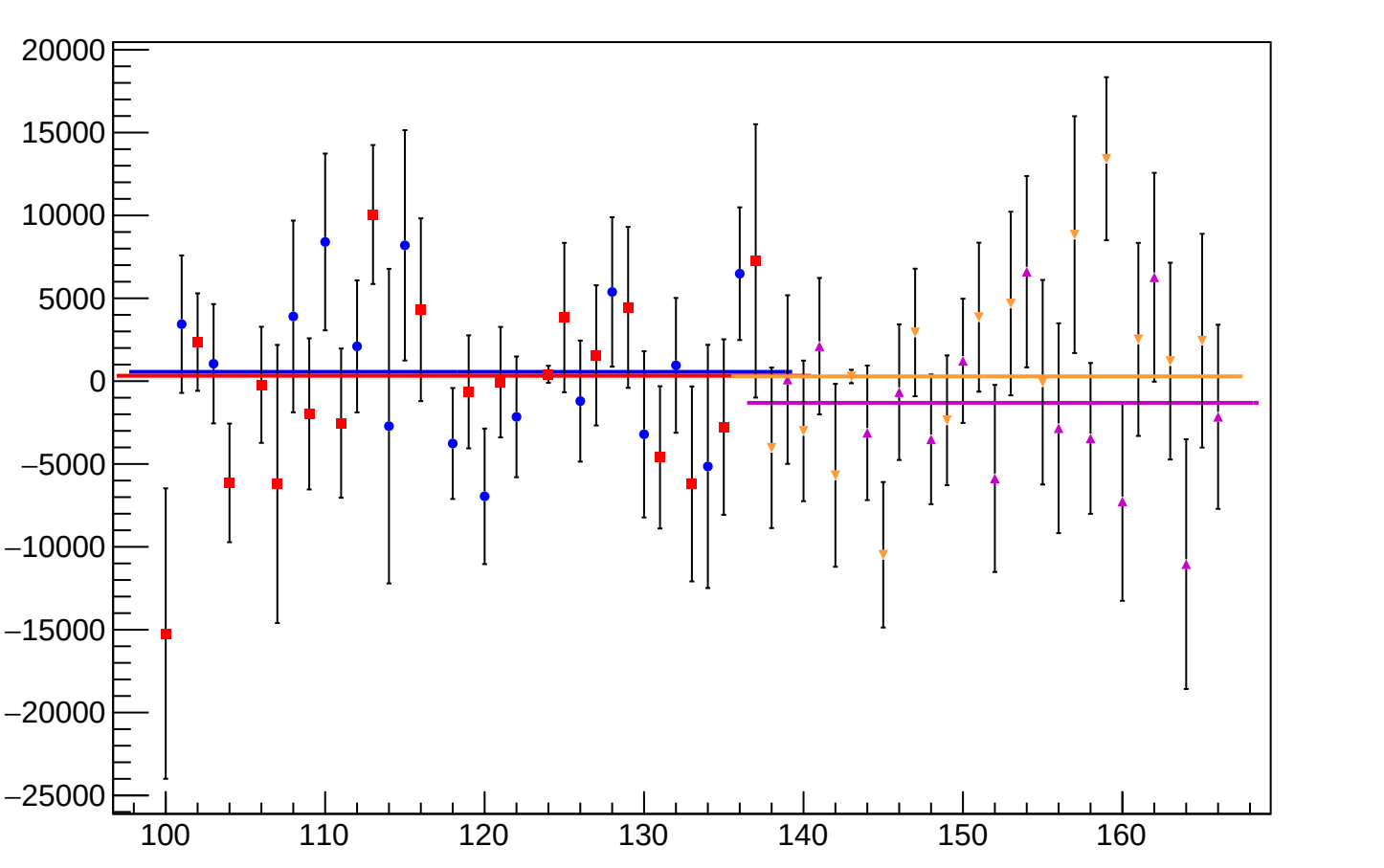
Left: 1903.891+/-0.279 χ^2/NDF: 257793.2/28

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1831.979+/-0.302 χ^2/NDF:735412.3/29

Out: 1842.024+/-0.300 χ^2/NDF:633284.0/33

All: 1837.030+/-0.213 χ^2/NDF: 1369252.5/63



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 289.192+/-390.973 χ^2/NDF:19.6/14

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1308.040+/-1299.821 χ^2/NDF:8.7/13

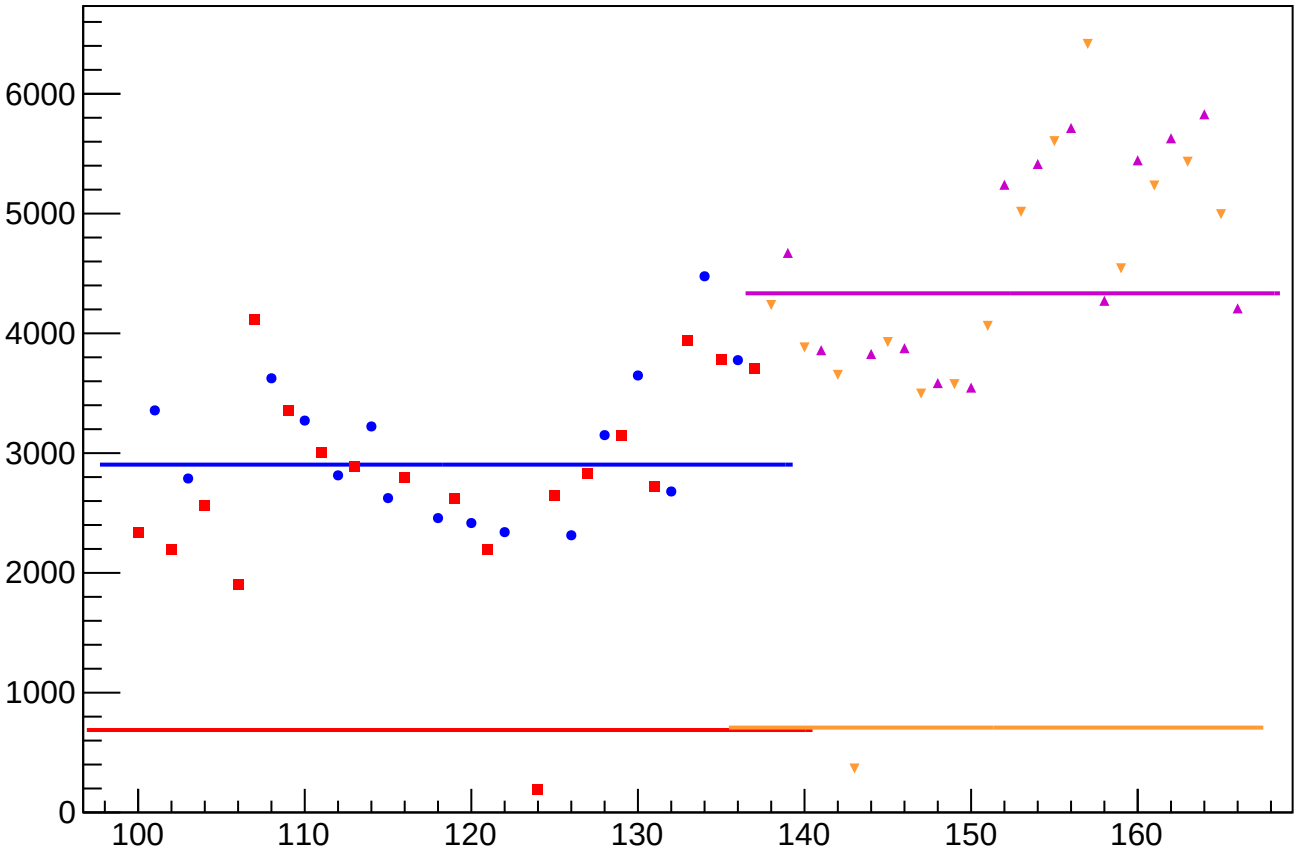
Left: 156.673+/-374.403 χ^2/NDF: 29.7/28

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -219.147+/-840.193 χ^2/NDF:24.7/29

Out: 304.527+/-297.347 χ^2/NDF:38.8/33

All: 246.239+/-280.311 χ^2/NDF: 63.9/63



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 708.380+/-0.276 χ^2/NDF:16769987.8/14

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4334.352+/-0.919 χ^2/NDF:702507.9/13

Left: 1009.221+/-0.265 χ^2/NDF: 31744879.7/28

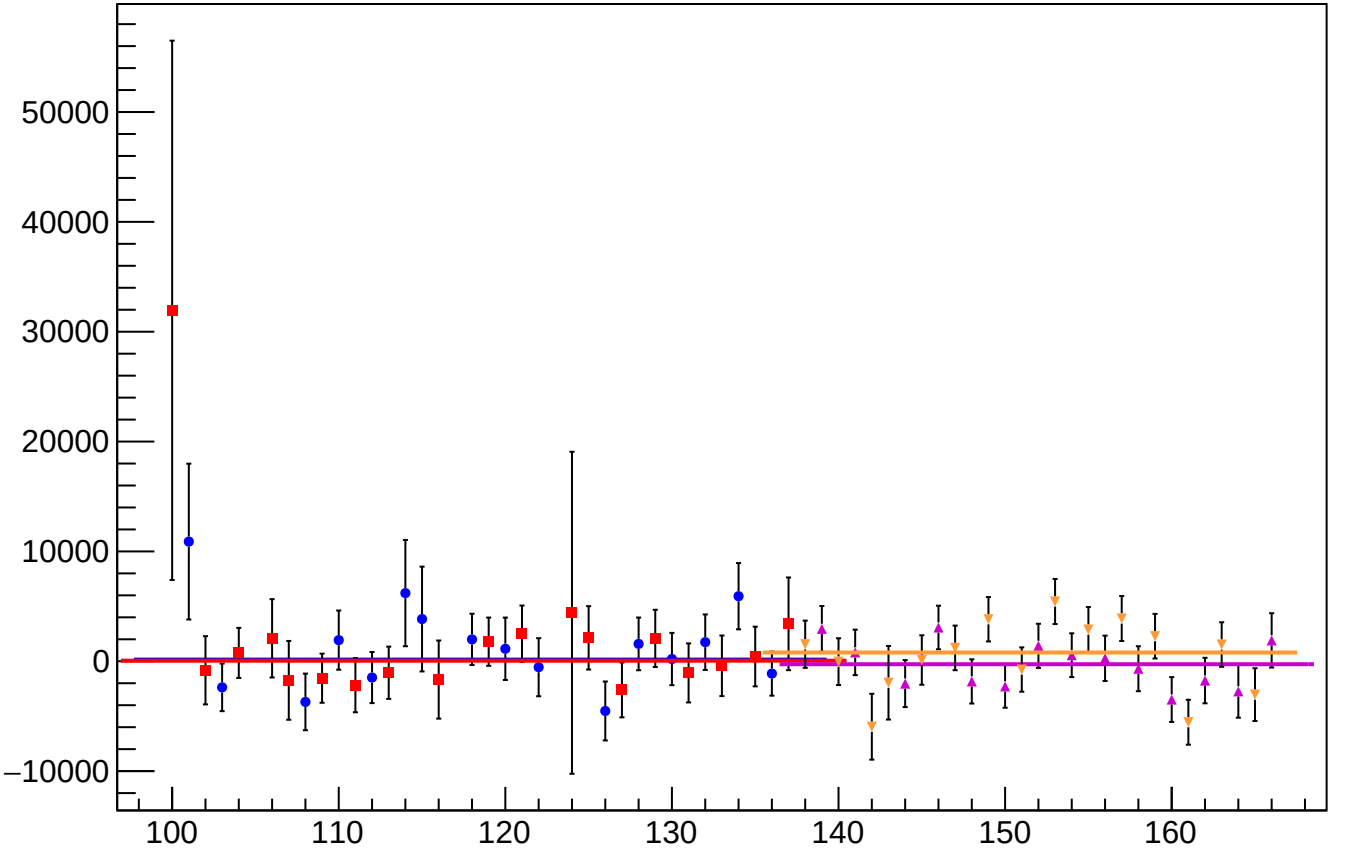
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3501.668+/-0.594 χ^2/NDF:2592118.7/29

Out: 699.923+/-0.210 χ^2/NDF:26921121.8/33

All: 1011.775+/-0.198 χ^2/NDF: 49277511.7/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -269.614+/-556.088 χ^2/NDF:13.7/13

Left: 259.289+/-394.874 χ^2/NDF: 45.8/28

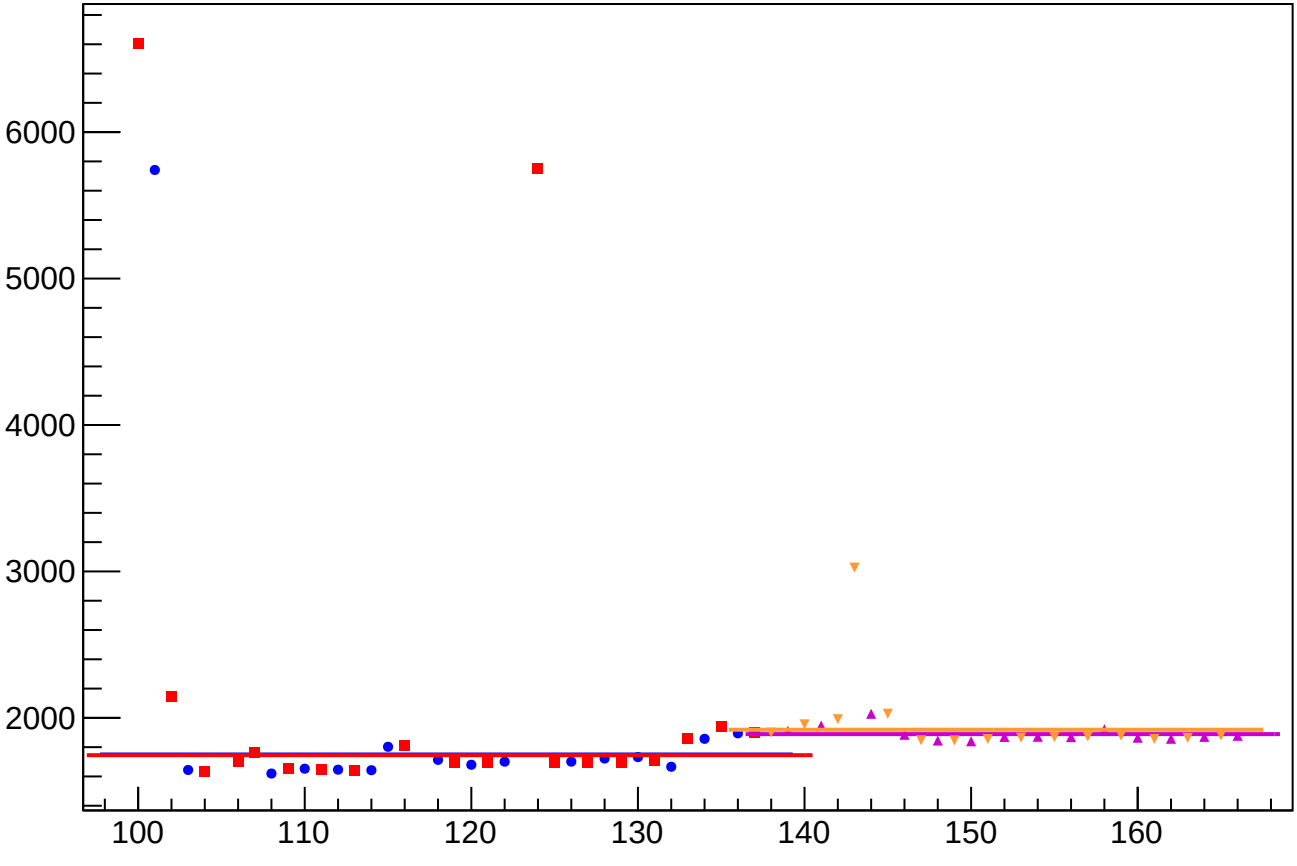
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -97.453+/-427.126 χ^2/NDF:31.6/29

Out: 483.057+/-426.073 χ^2/NDF:40.0/33

All: 193.519+/-301.651 χ^2/NDF: 72.5/63

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

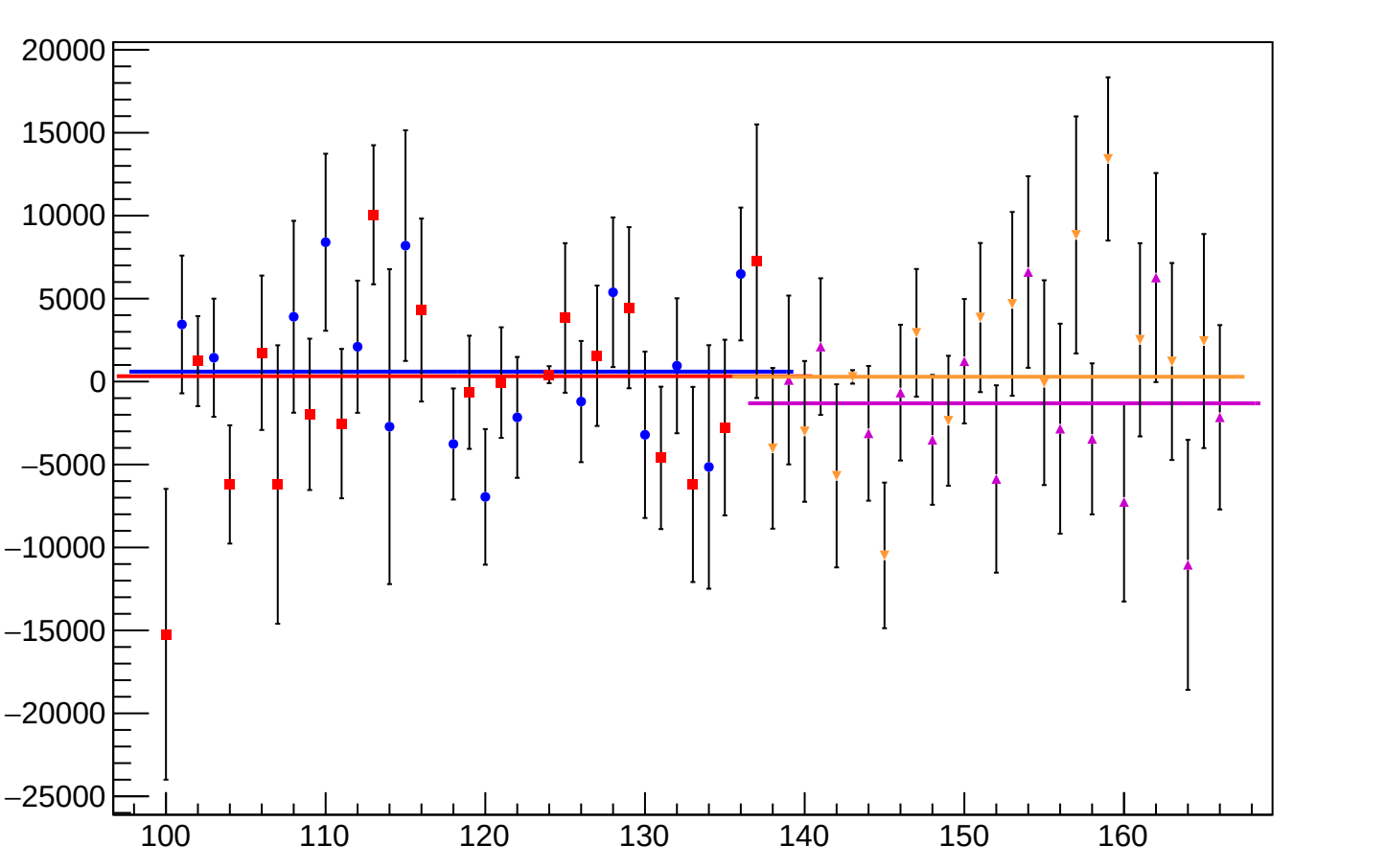
Left: 1903.891+/-0.279 χ^2/NDF: 257793.2/28

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1831.979+/-0.302 χ^2/NDF:735412.8/29

Out: 1845.186+/-0.301 χ^2/NDF:619998.7/33

All: 1838.609+/-0.213 χ^2/NDF: 1356371.4/63



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 290.153+/-391.005 χ^2/NDF:19.6/14

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1308.132+/-1299.818 χ^2/NDF:8.7/13

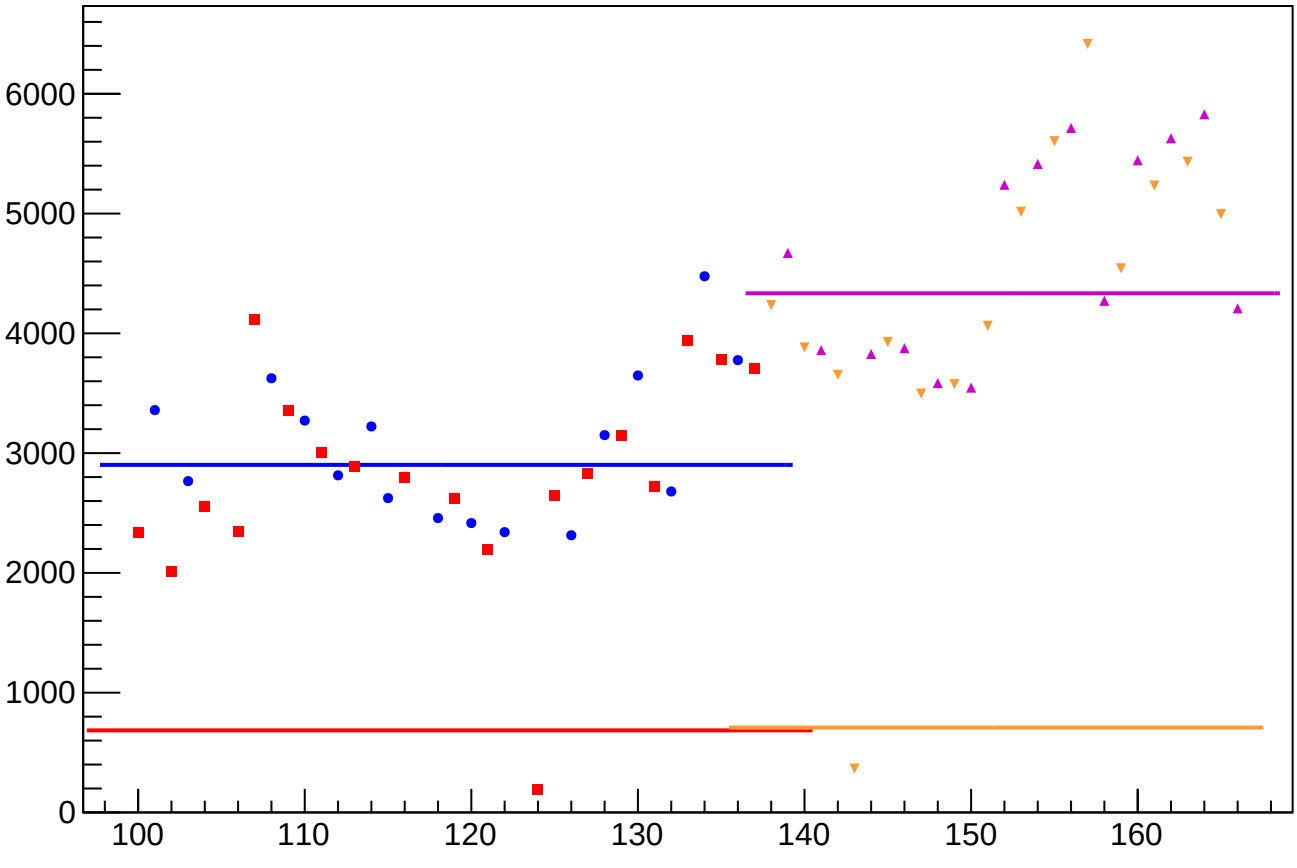
Left: 157.526+/-374.431 χ^2/NDF: 29.7/28

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -196.269+/-839.732 χ^2/NDF:24.8/29

Out: 304.039+/-297.611 χ^2/NDF:38.6/33

All: 248.209+/-280.514 χ^2/NDF: 63.7/63



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4334.344+/-0.919 χ^2/NDF:702521.2/13

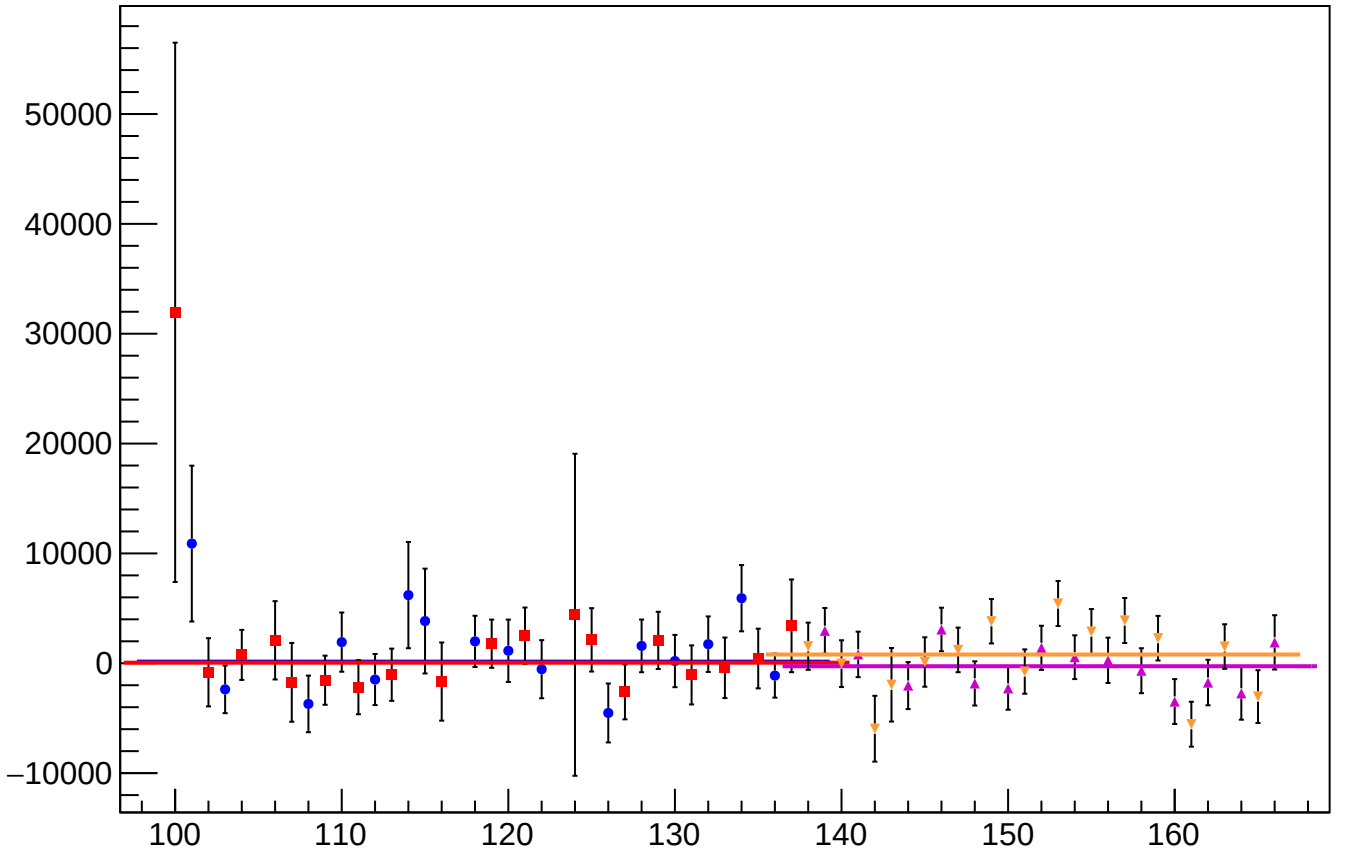
Left: 1009.351+/-0.265 χ^2/NDF: 31743361.0/28

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3499.729+/-0.594 χ^2/NDF:2598729.0/29

Out: 698.707+/-0.210 χ^2/NDF:26878164.8/33

All: 1011.276+/-0.198 χ^2/NDF: 49246358.8/6



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -269.614+/-556.088 χ^2/NDF:13.7/13

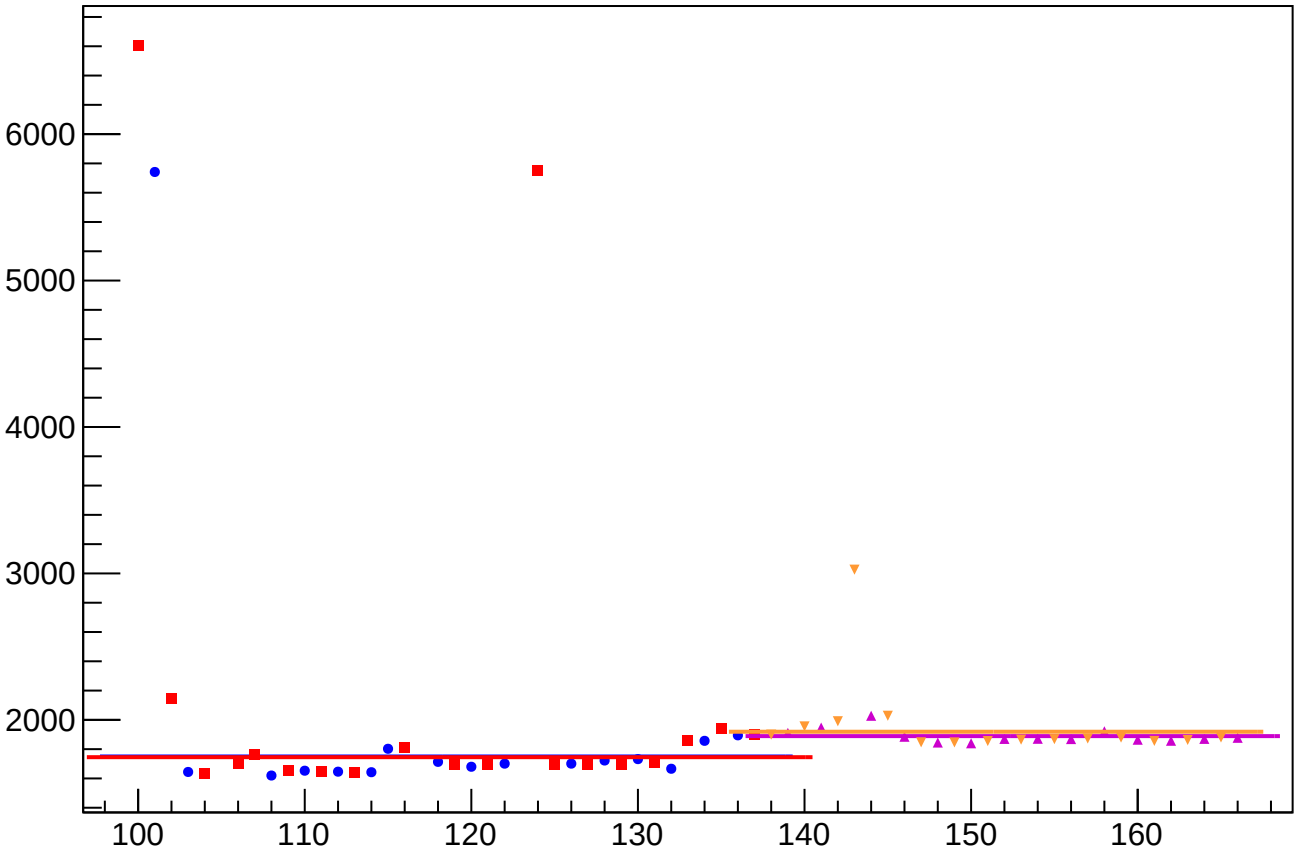
Left: 259.289+/-394.874 χ^2/NDF: 45.8/28

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -97.453+/-427.126 χ^2/NDF:31.6/29

Out: 483.057+/-426.073 χ^2/NDF:40.0/33

All: 193.519+/-301.651 χ^2/NDF: 72.5/63



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.051+/-0.393 χ^2/NDF:14460.5/13

Left: 1903.891+/-0.279 χ^2/NDF: 257793.2/28

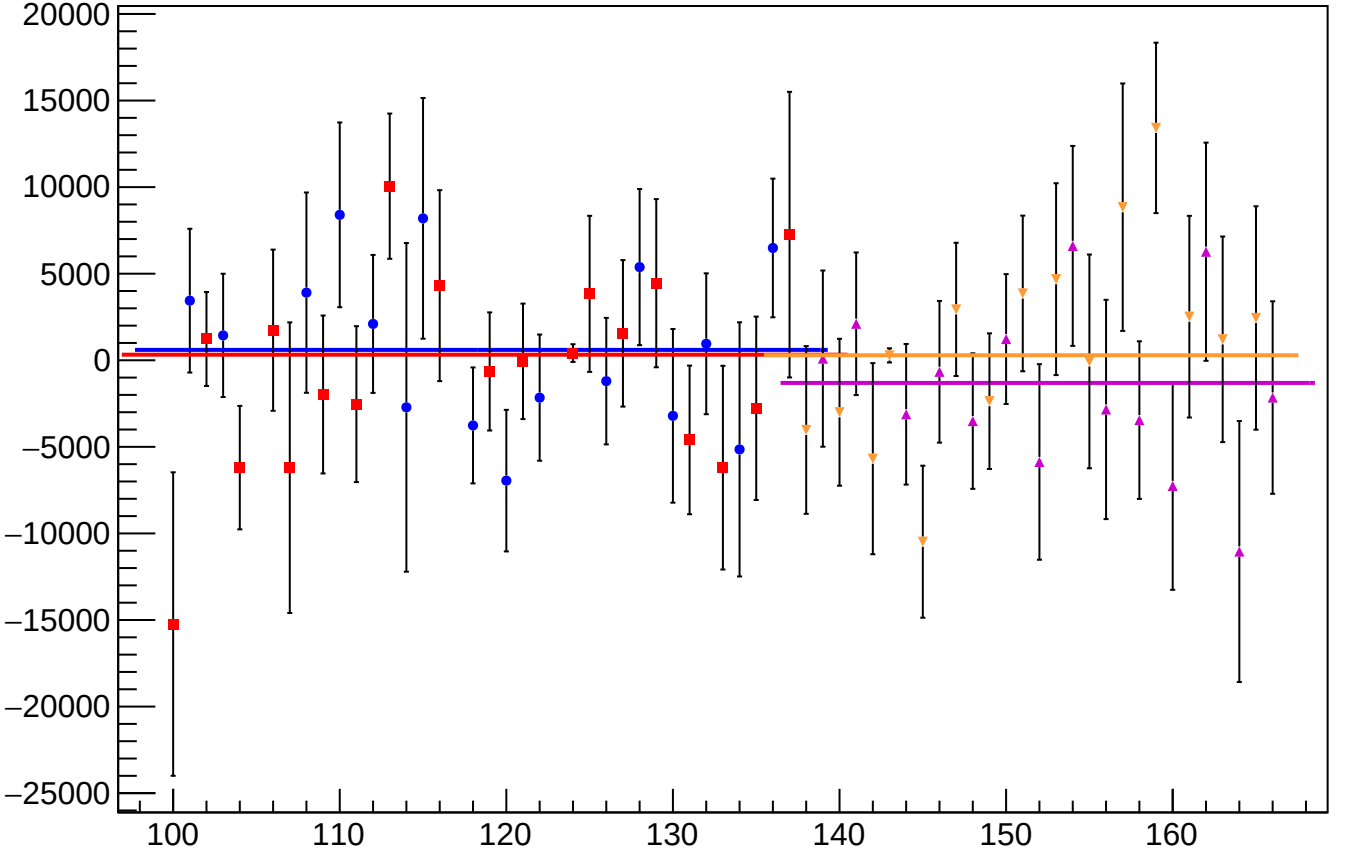
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1831.979+/-0.302 χ^2/NDF:735412.8/29

Out: 1845.186+/-0.301 χ^2/NDF:619998.7/33

All: 1838.609+/-0.213 χ^2/NDF: 1356371.4/63

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 290.153+/-391.005 χ^2/NDF:19.6/14

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1308.132+/-1299.818 χ^2/NDF:8.7/13

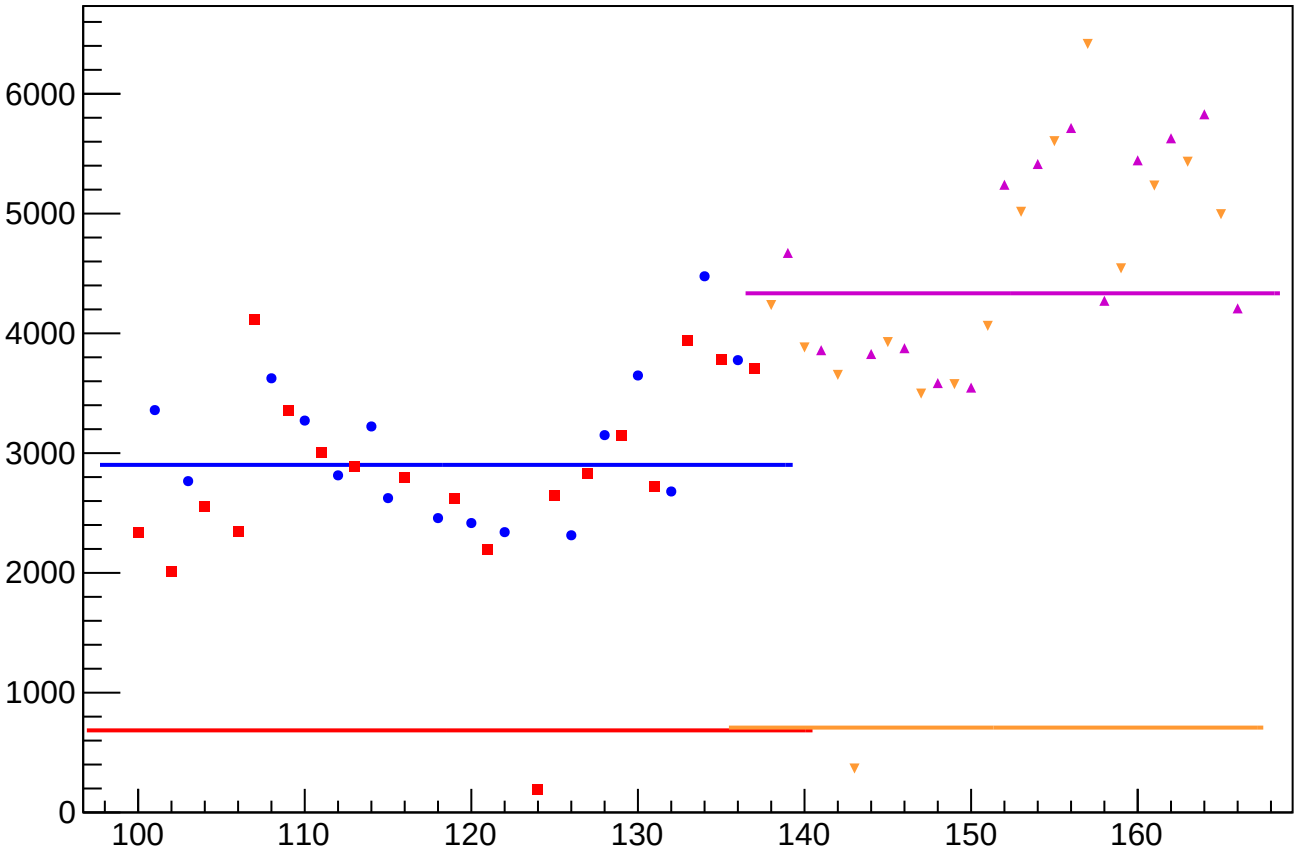
Left: 157.526+/-374.431 χ^2/NDF: 29.7/28

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -196.269+/-839.732 χ^2/NDF:24.8/29

Out: 304.039+/-297.611 χ^2/NDF:38.6/33

All: 248.209+/-280.514 χ^2/NDF: 63.7/63



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4334.344+/-0.919 χ^2/NDF:702521.2/13

Left: 1009.351+/-0.265 χ^2/NDF: 31743361.0/28

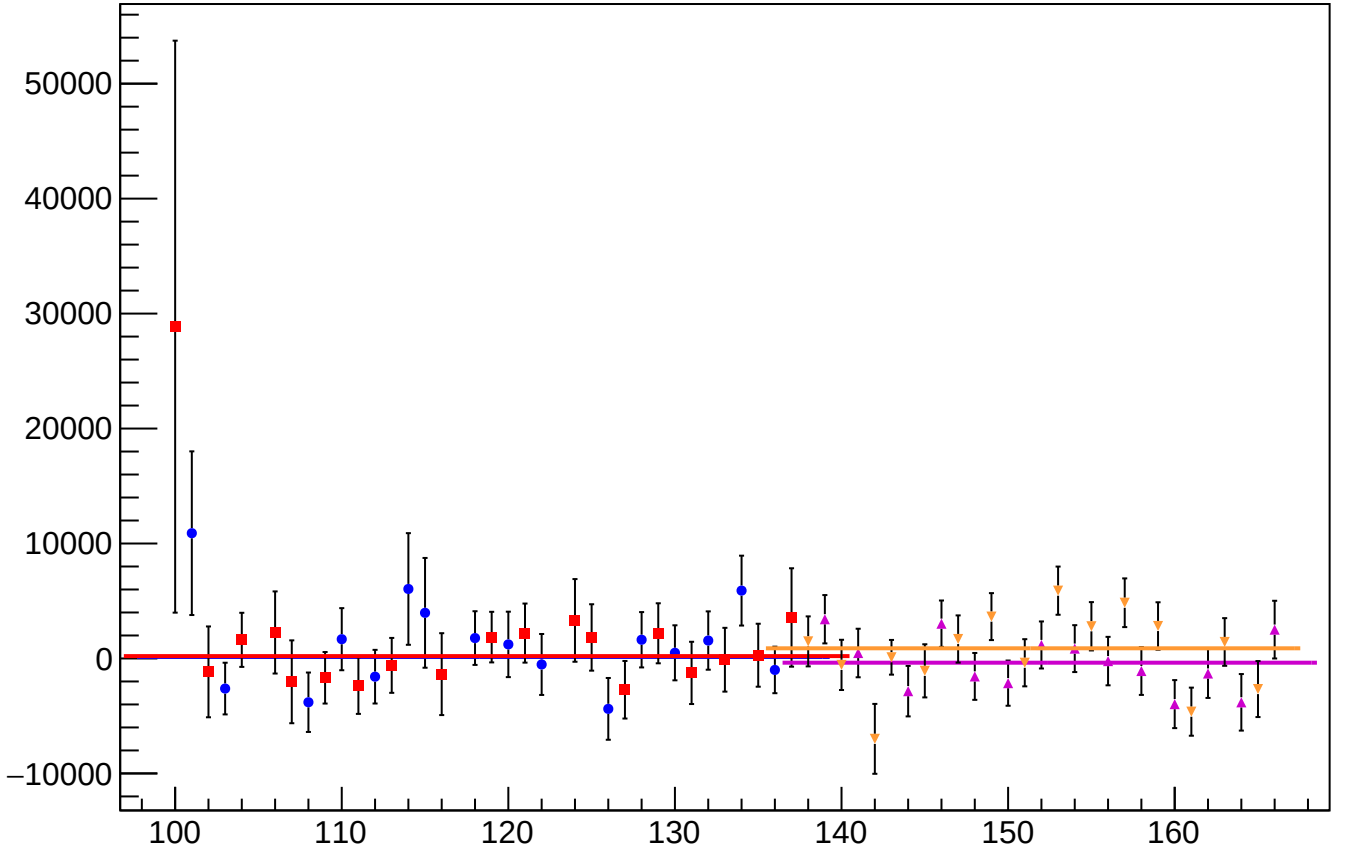
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3499.729+/-0.594 χ^2/NDF:2598729.0/29

Out: 698.707+/-0.210 χ^2/NDF:26878164.8/33

All: 1011.276+/-0.198 χ^2/NDF: 49246358.8/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.734+/-541.472 χ^2/NDF:30.6/14

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -367.922+/-566.848 χ^2/NDF:16.1/13

Left: 287.072+/-391.542 χ^2/NDF: 49.3/28

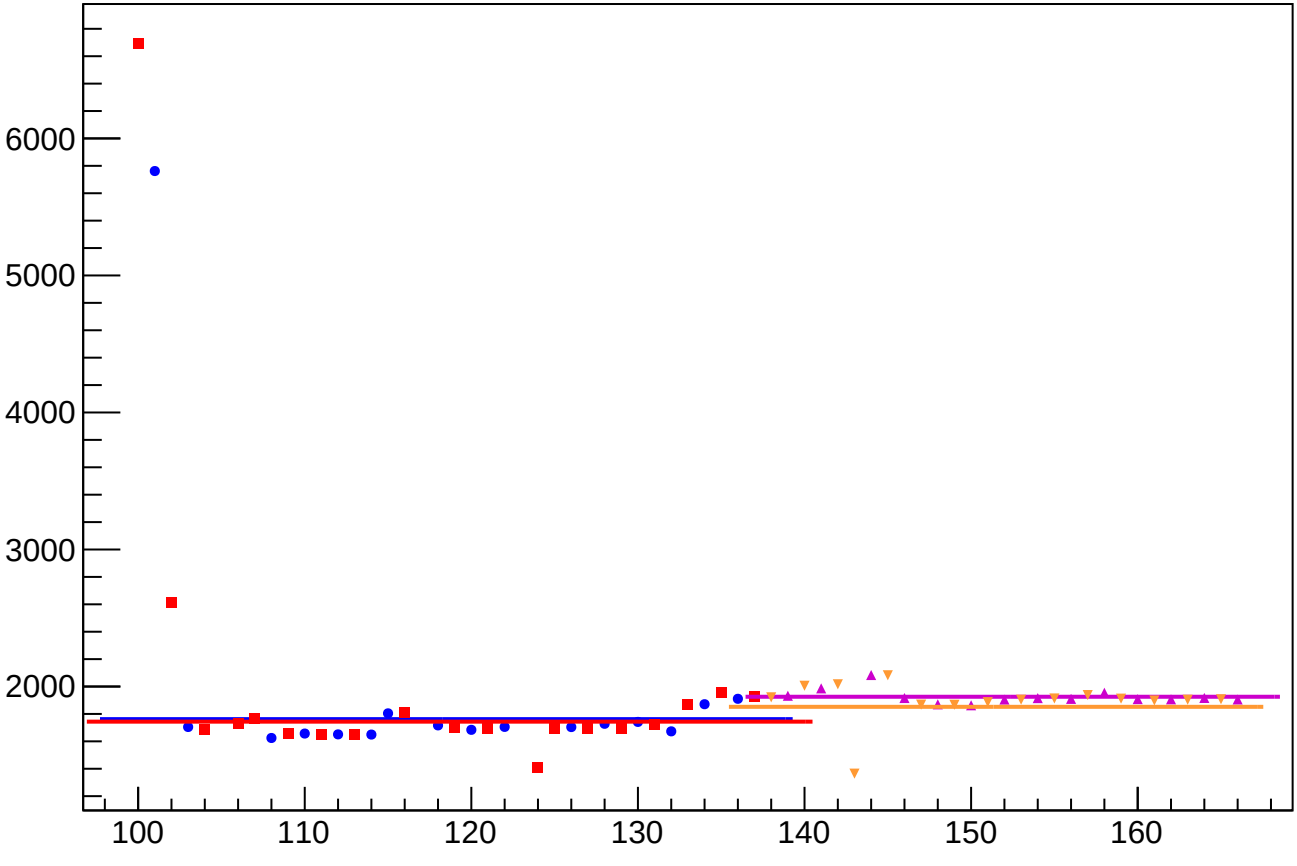
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -159.189+/-433.183 χ^2/NDF:33.8/29

Out: 608.683+/-417.190 χ^2/NDF:41.0/33

All: 239.184+/-300.493 χ^2/NDF: 76.4/63

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258157.3/14

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1925.427+/-0.401 χ^2/NDF:16846.5/13

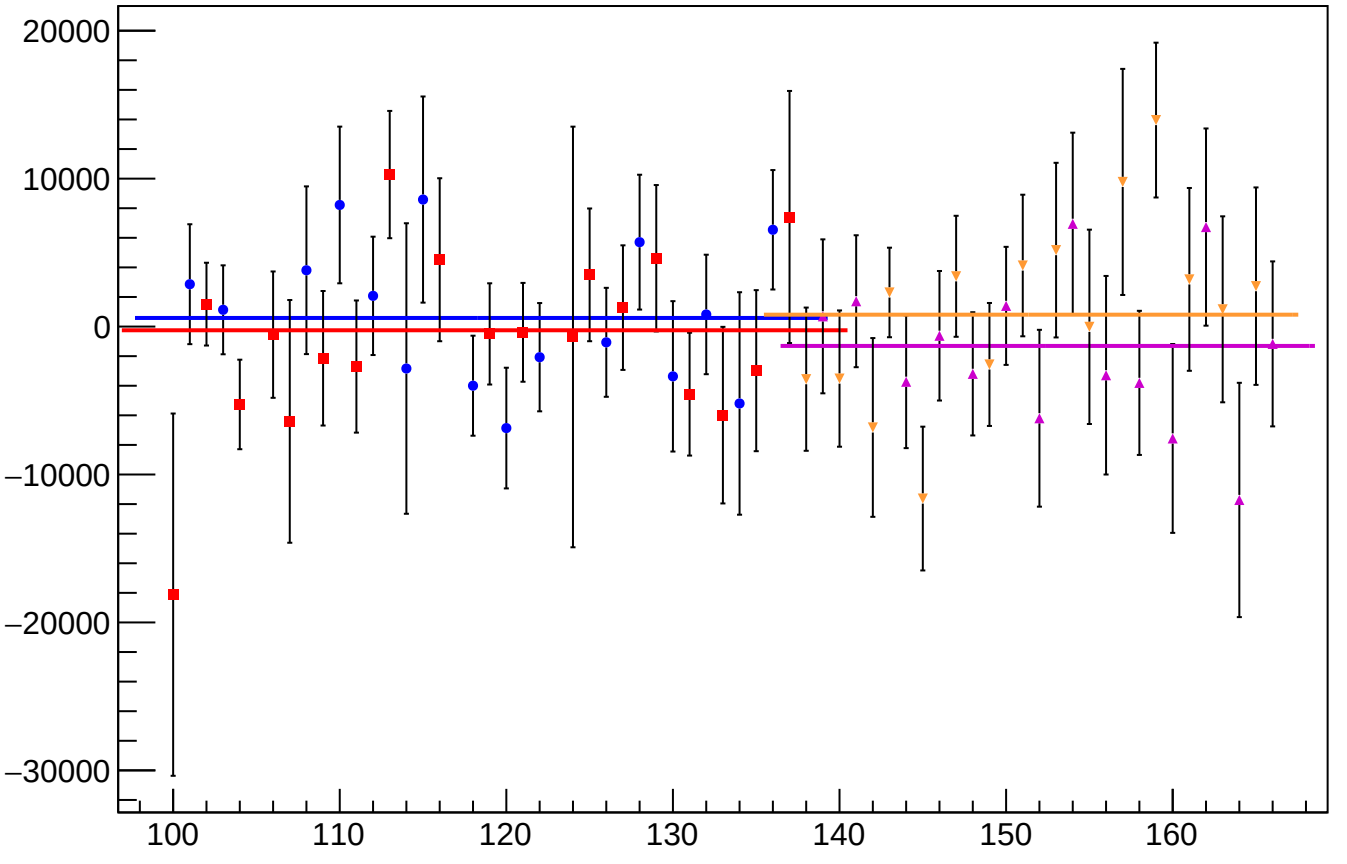
Left: 1887.003+/-0.277 χ^2/NDF: 292578.9/28

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1857.463+/-0.306 χ^2/NDF:753657.2/29

Out: 1807.815+/-0.295 χ^2/NDF:518495.1/33

All: 1831.676+/-0.212 χ^2/NDF: 1285797.7/63



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 803.841+/-1280.880 χ^2/NDF:20.1/14

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1308.539+/-1382.348 χ^2/NDF:8.5/13

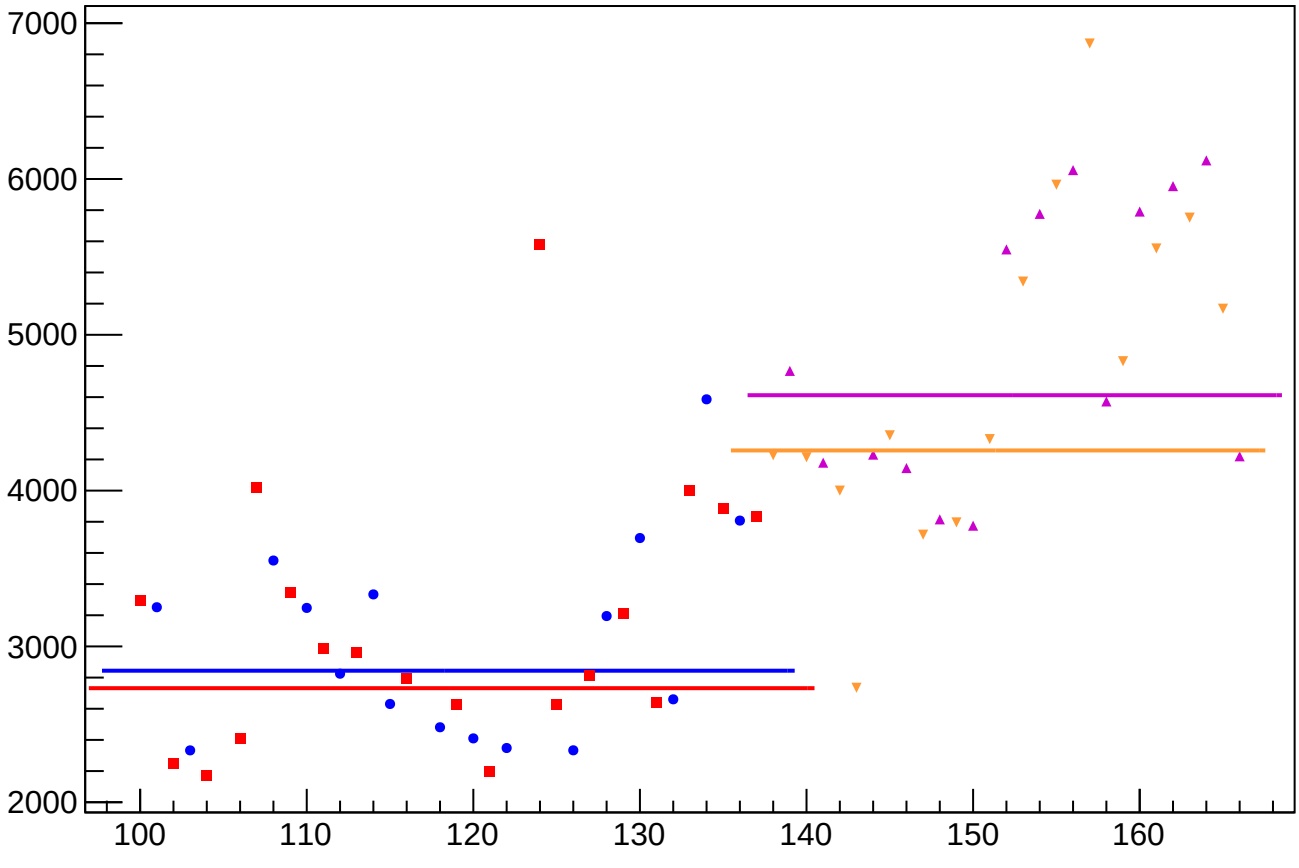
Left: -171.984+/-939.545 χ^2/NDF: 29.9/28

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -135.662+/-851.778 χ^2/NDF:24.6/29

Out: 159.309+/-798.398 χ^2/NDF:38.4/33

All: 21.355+/-582.510 χ^2/NDF: 63.1/63



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4257.806+/-0.906 χ^2/NDF:1269318.1/14

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4612.303+/-0.977 χ^2/NDF:664040.1/13

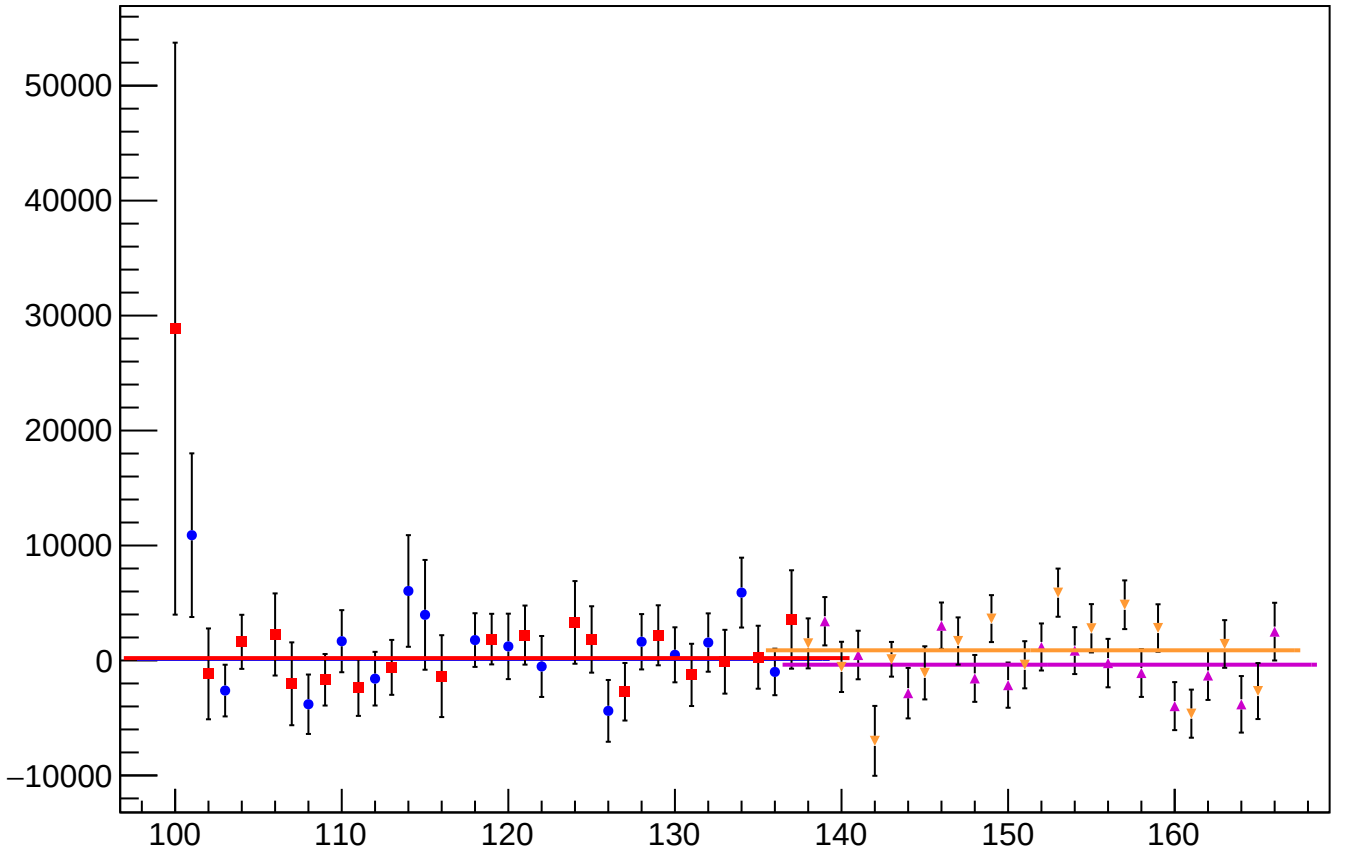
Left: 4421.568+/-0.664 χ^2/NDF: 2004126.5/28

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3515.485+/-0.602 χ^2/NDF:3235852.1/29

Out: 3324.804+/-0.565 χ^2/NDF:3616000.1/33

All: 3413.983+/-0.412 χ^2/NDF: 6905205.1/63



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.736+/-541.472 χ^2/NDF:30.6/14

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -367.924+/-566.848 χ^2/NDF:16.1/13

Left: 287.071+/-391.542 χ^2/NDF: 49.3/28

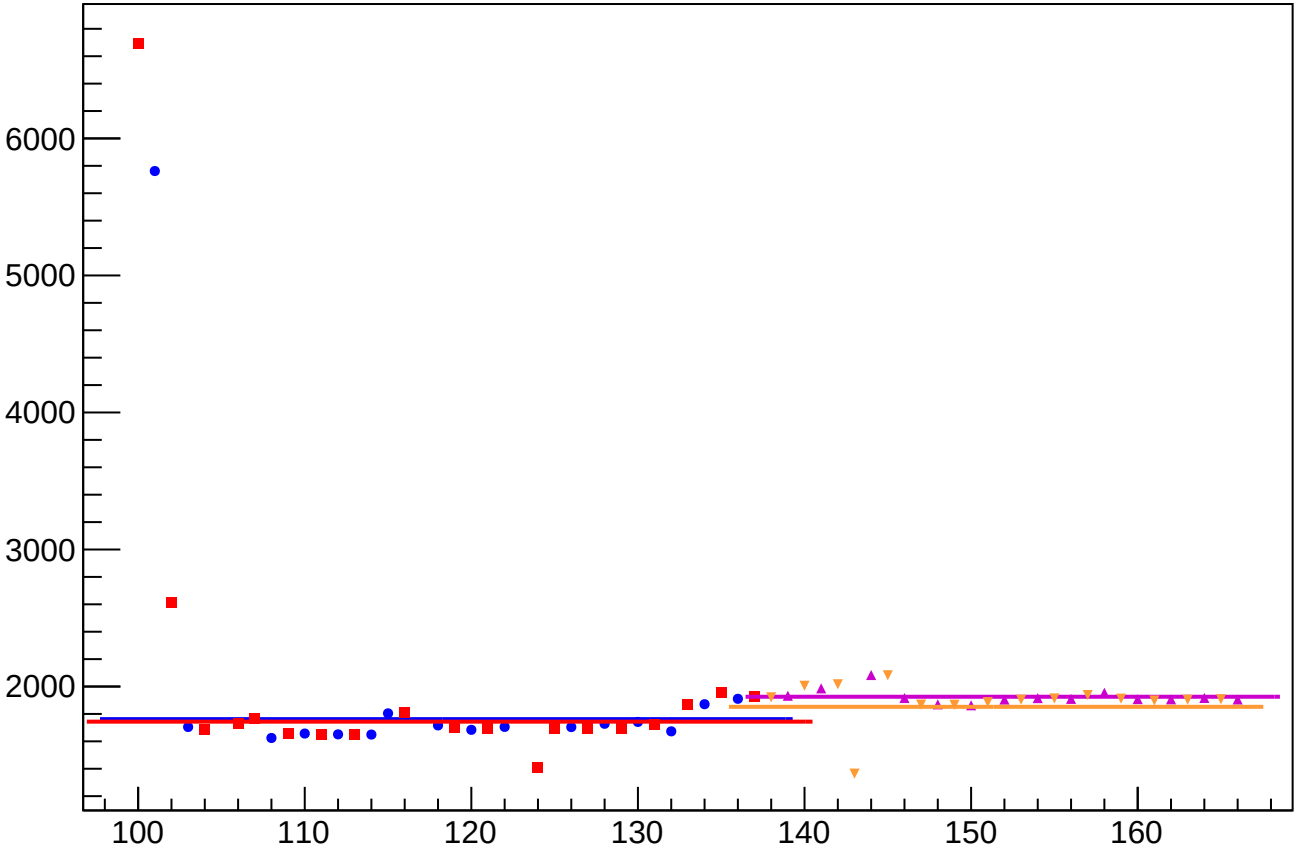
Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -159.191+/-433.184 χ^2/NDF:33.8/29

Out: 608.683+/-417.190 χ^2/NDF:41.0/33

All: 239.183+/-300.493 χ^2/NDF: 76.4/63

eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258158.6/14

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1925.428+/-0.401 χ^2/NDF:16846.6/13

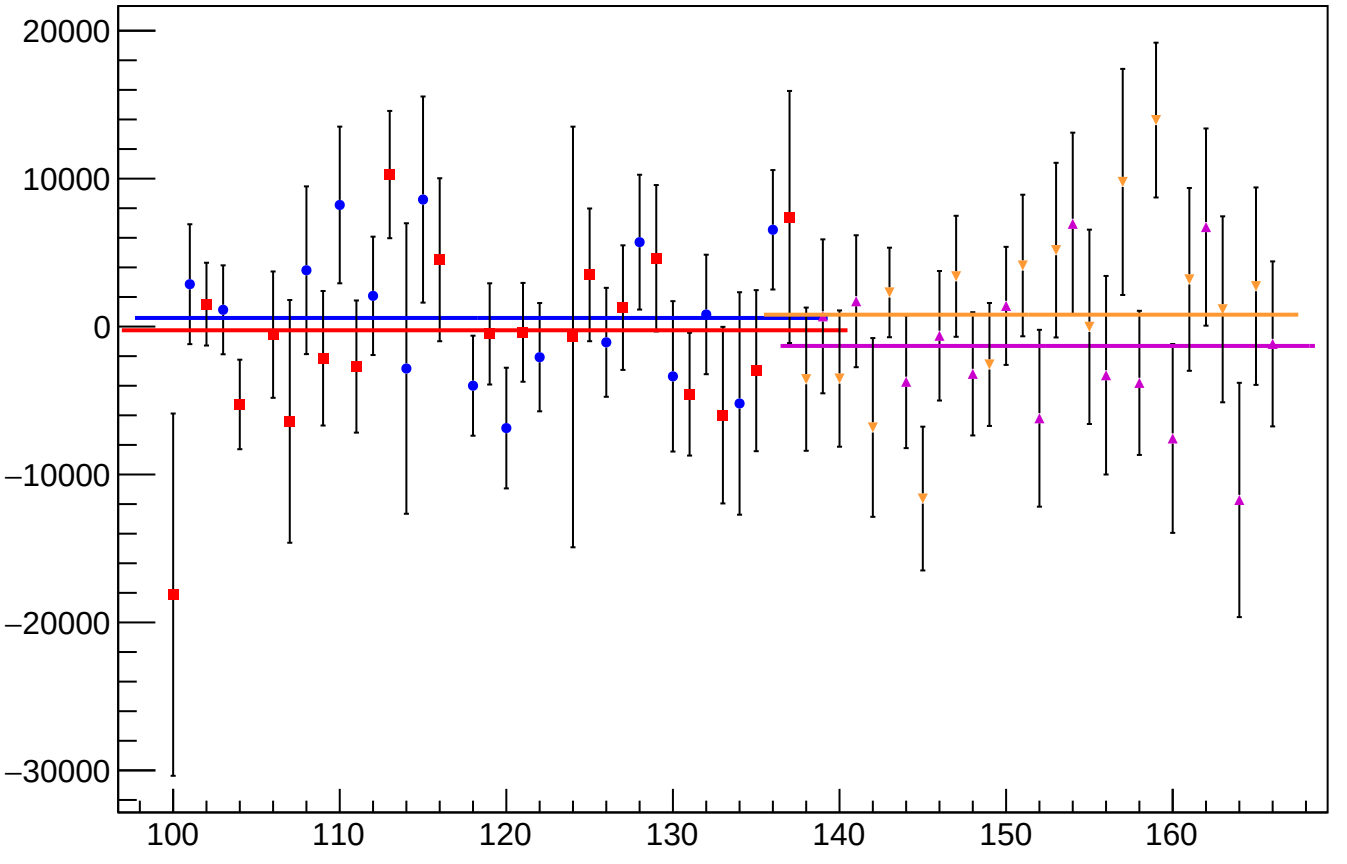
Left: 1887.004+/-0.277 χ^2/NDF: 292580.4/28

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1857.463+/-0.306 χ^2/NDF:753658.3/29

Out: 1807.815+/-0.295 χ^2/NDF:518497.0/33

All: 1831.677+/-0.212 χ^2/NDF: 1285800.6/63



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 803.845+/-1280.881 χ^2/NDF:20.1/14

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1308.539+/-1382.350 χ^2/NDF:8.5/13

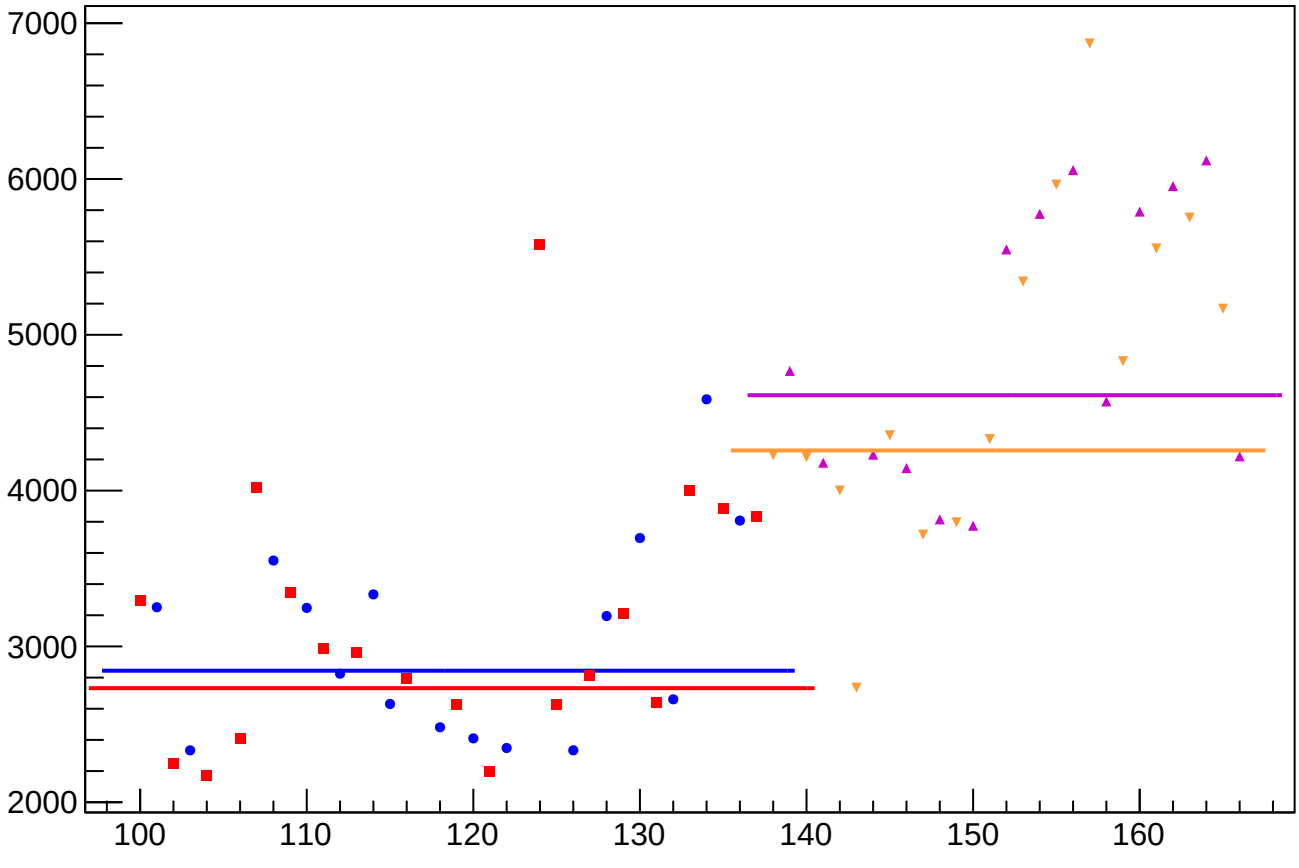
Left: -171.982+/-939.546 χ^2/NDF: 29.9/28

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: -135.662+/-851.777 χ^2/NDF:24.6/29

Out: 159.309+/-798.397 χ^2/NDF:38.4/33

All: 21.355+/-582.510 χ^2/NDF: 63.1/63



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4257.811+/-0.906 χ^2/NDF:1269324.4/14

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4612.309+/-0.977 χ^2/NDF:664042.7/13

Left: 4421.573+/-0.664 χ^2/NDF: 2004135.7/28

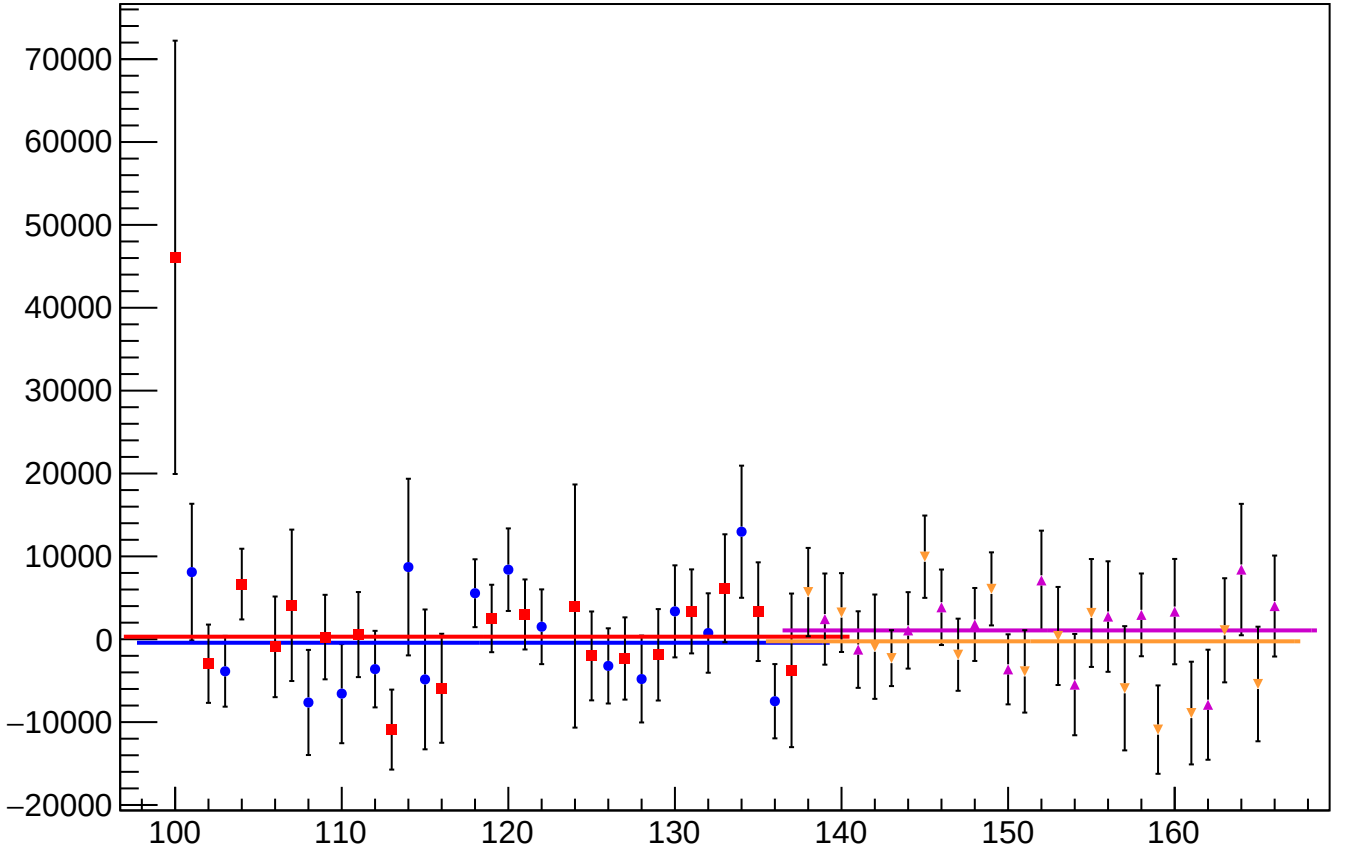
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3515.479+/-0.602 χ^2/NDF:3235890.9/29

Out: 3324.800+/-0.565 χ^2/NDF:3616027.6/33

All: 3413.978+/-0.412 χ^2/NDF: 6905270.7/63

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -250.948+/-1342.318 χ^2/NDF:16.5/14

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1065.837+/-1428.490 χ^2/NDF:7.4/13

Left: 366.532+/-978.208 χ^2/NDF: 24.3/28

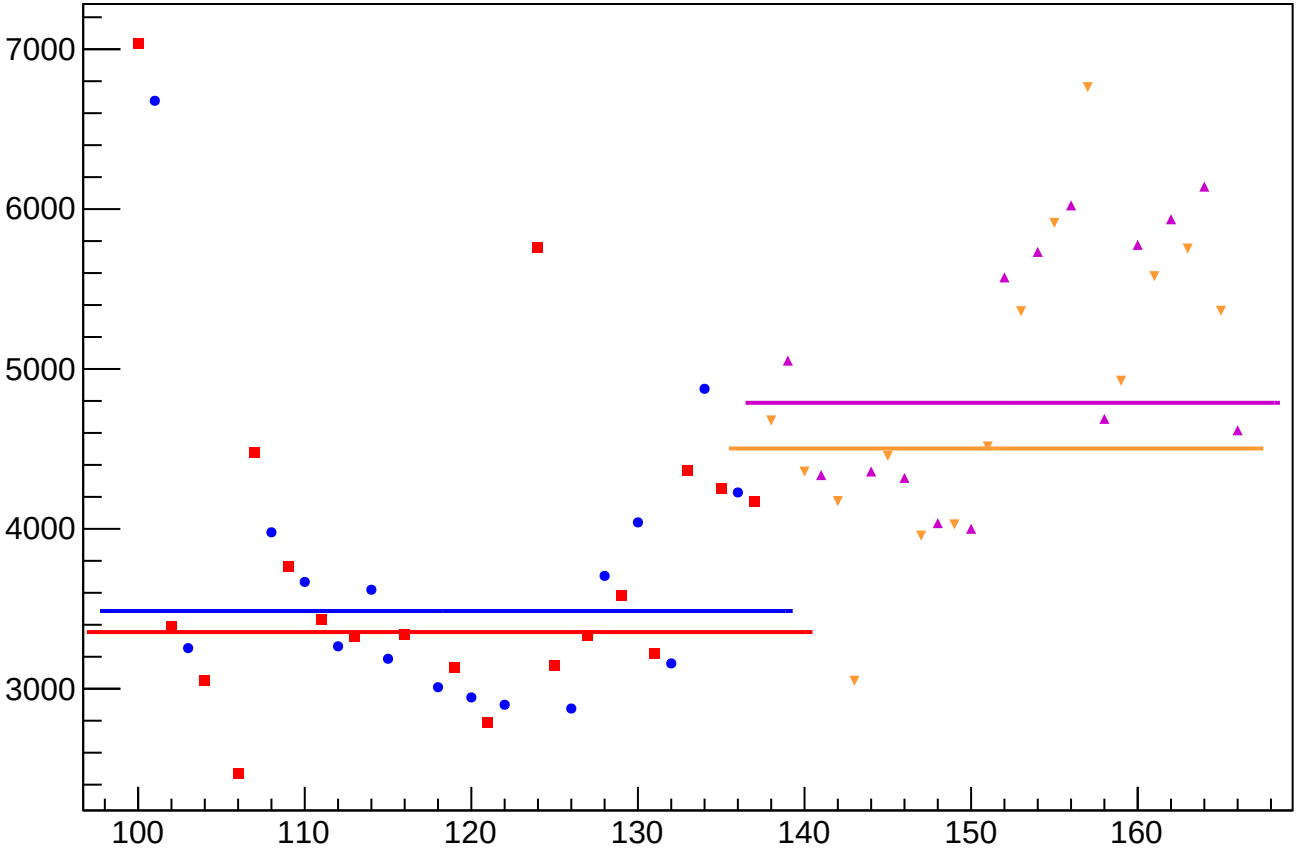
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 266.730+/-972.334 χ^2/NDF:25.8/29

Out: 42.643+/-924.717 χ^2/NDF:31.9/33

All: 149.065+/-670.075 χ^2/NDF: 57.7/63

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4502.864+/-0.949 χ^2/NDF:935904.9/14

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4788.464+/-1.010 χ^2/NDF:509462.1/13

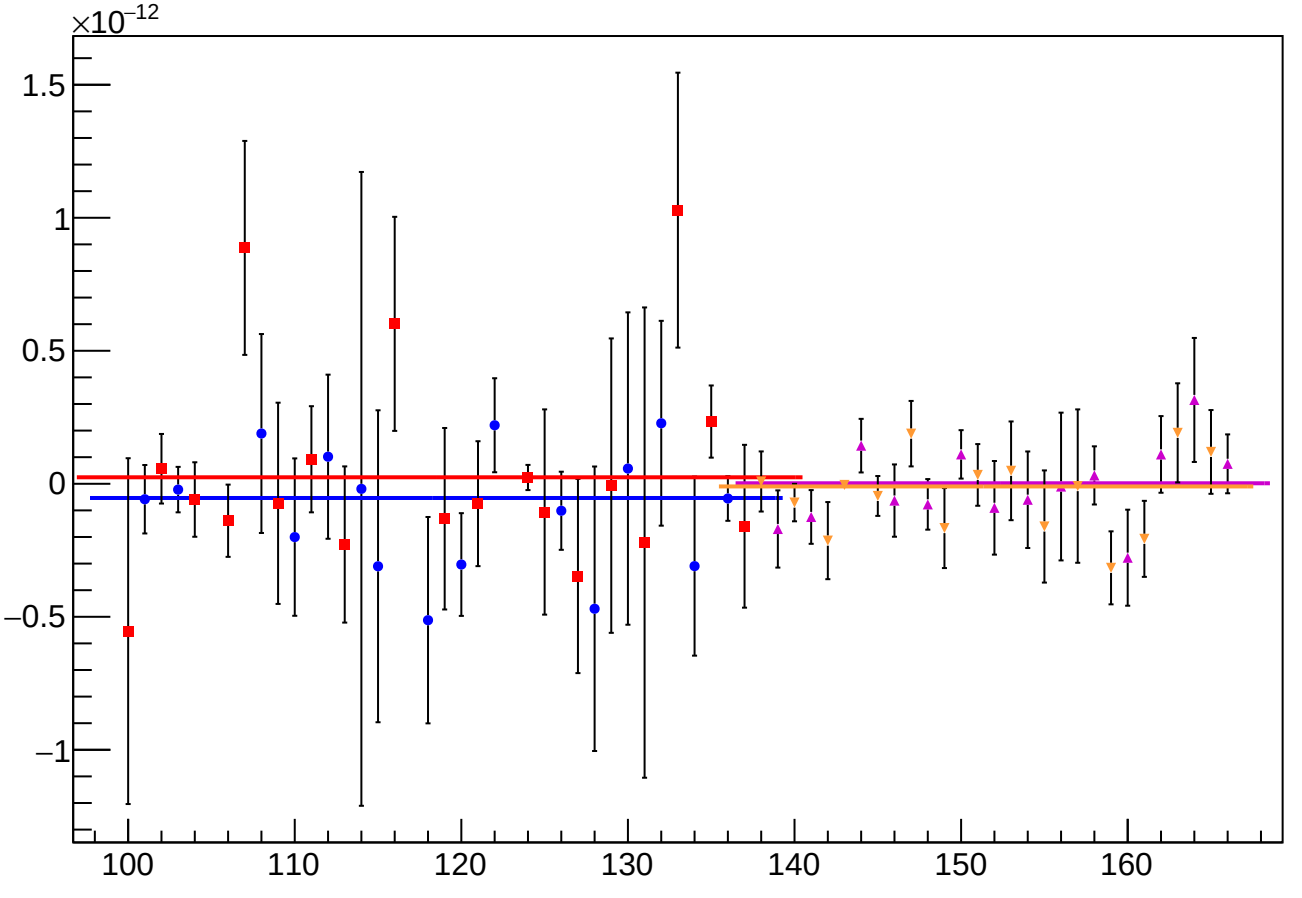
Left: 4636.791+/-0.692 χ^2/NDF: 1487823.4/28

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4089.539+/-0.688 χ^2/NDF:1997358.7/29

Out: 3891.415+/-0.649 χ^2/NDF:2091779.6/33

All: 3984.774+/-0.472 χ^2/NDF: 4133047.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

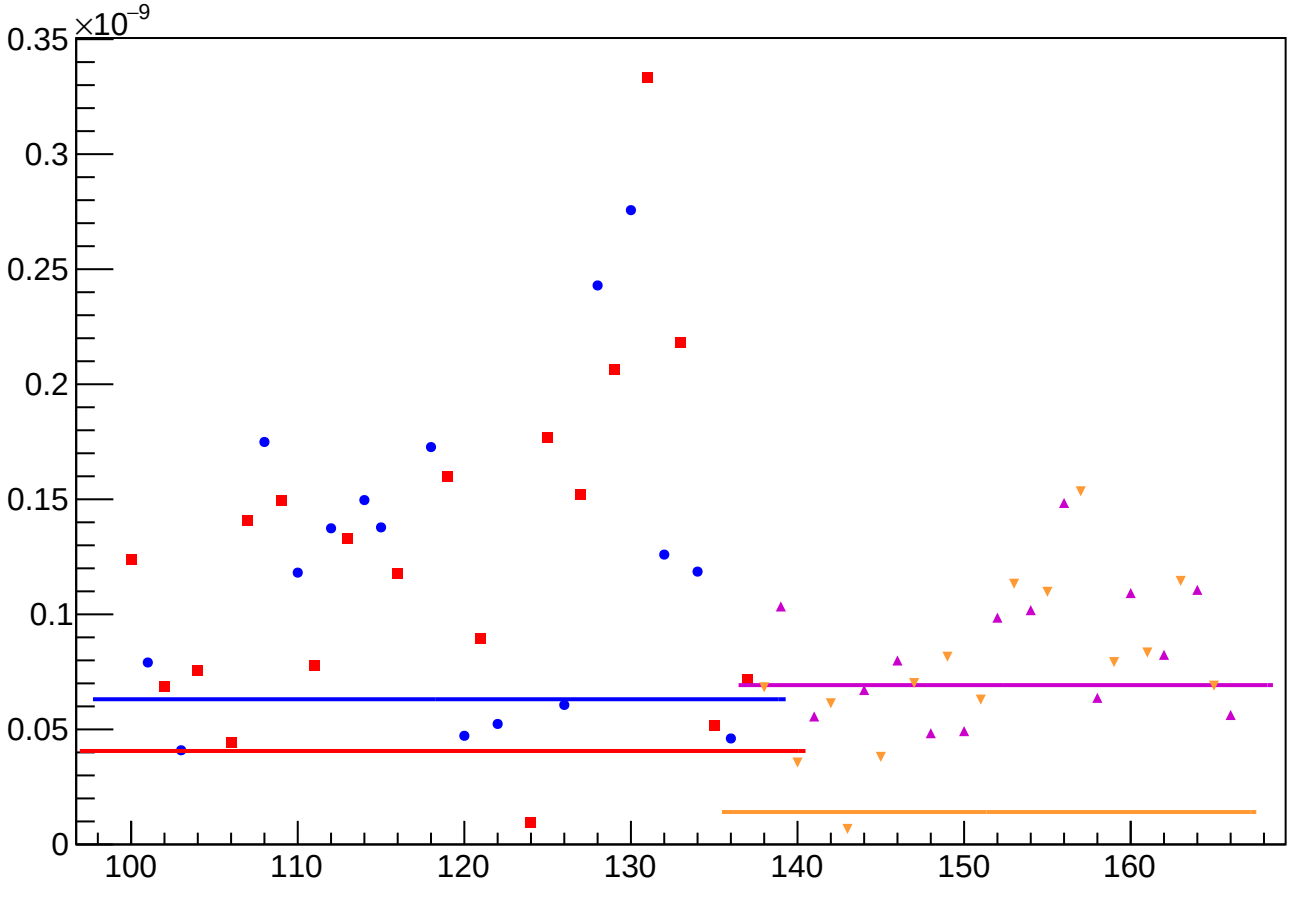
Left: -0.000+/-0.000 χ^2/NDF: 29.4/28

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:22.5/29

Out: -0.000+/-0.000 χ^2/NDF:35.5/33

All: -0.000+/-0.000 χ^2/NDF: 58.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6081465.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:846952.7/13

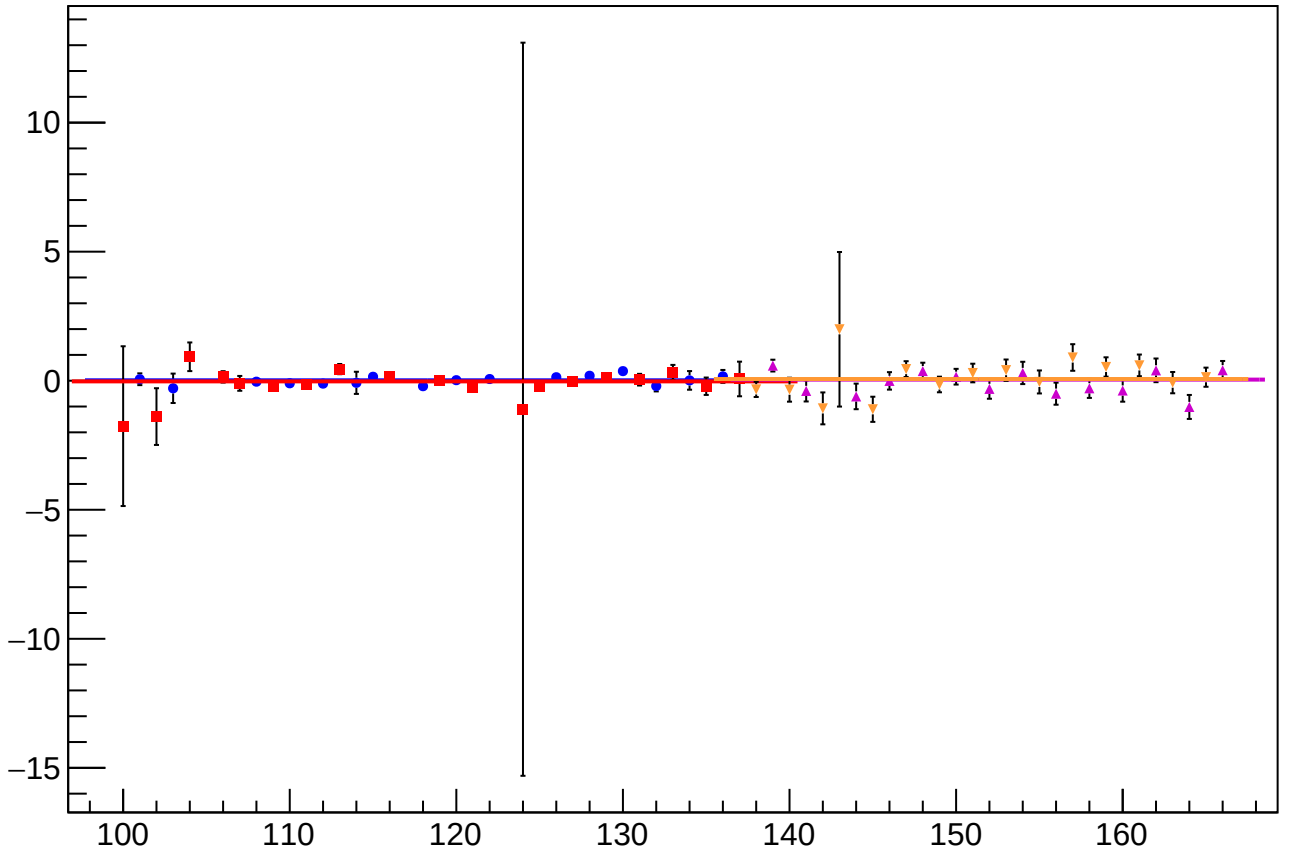
Left: 0.000+/-0.000 χ^2/NDF: 11619021.2/28

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2303075.9/29

Out: 0.000+/-0.000 χ^2/NDF:10244413.9/33

All: 0.000+/-0.000 χ^2/NDF: 18421288.7/63



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.053+/-0.071 χ^2/NDF: 42.6/28

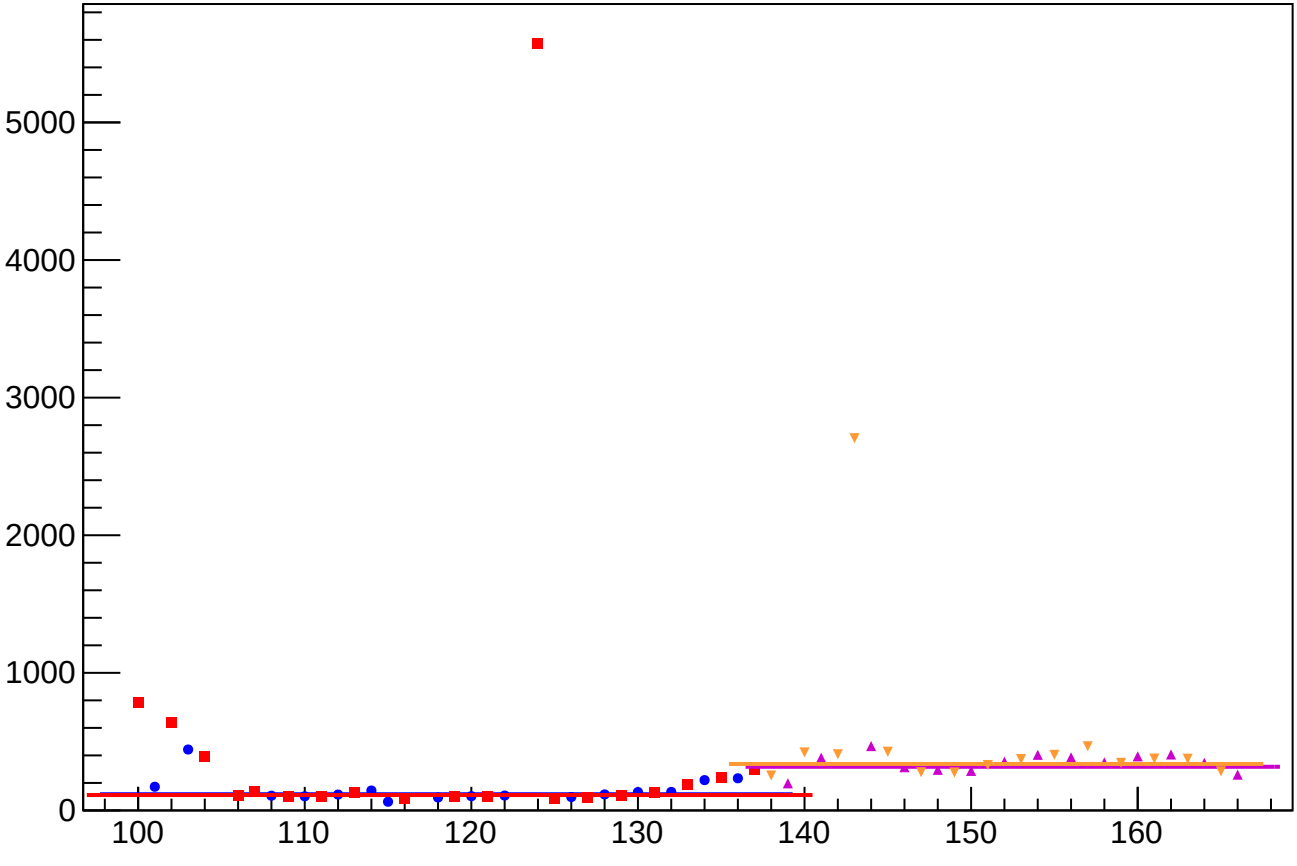
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.005+/-0.030 χ^2/NDF: 77.4/63

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.829+/-0.073 χ^2/NDF:1990560.0/14

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 317.358+/-0.069 χ^2/NDF:1177893.4/13

Left: 326.947+/-0.050 χ^2/NDF: 3209891.3/28

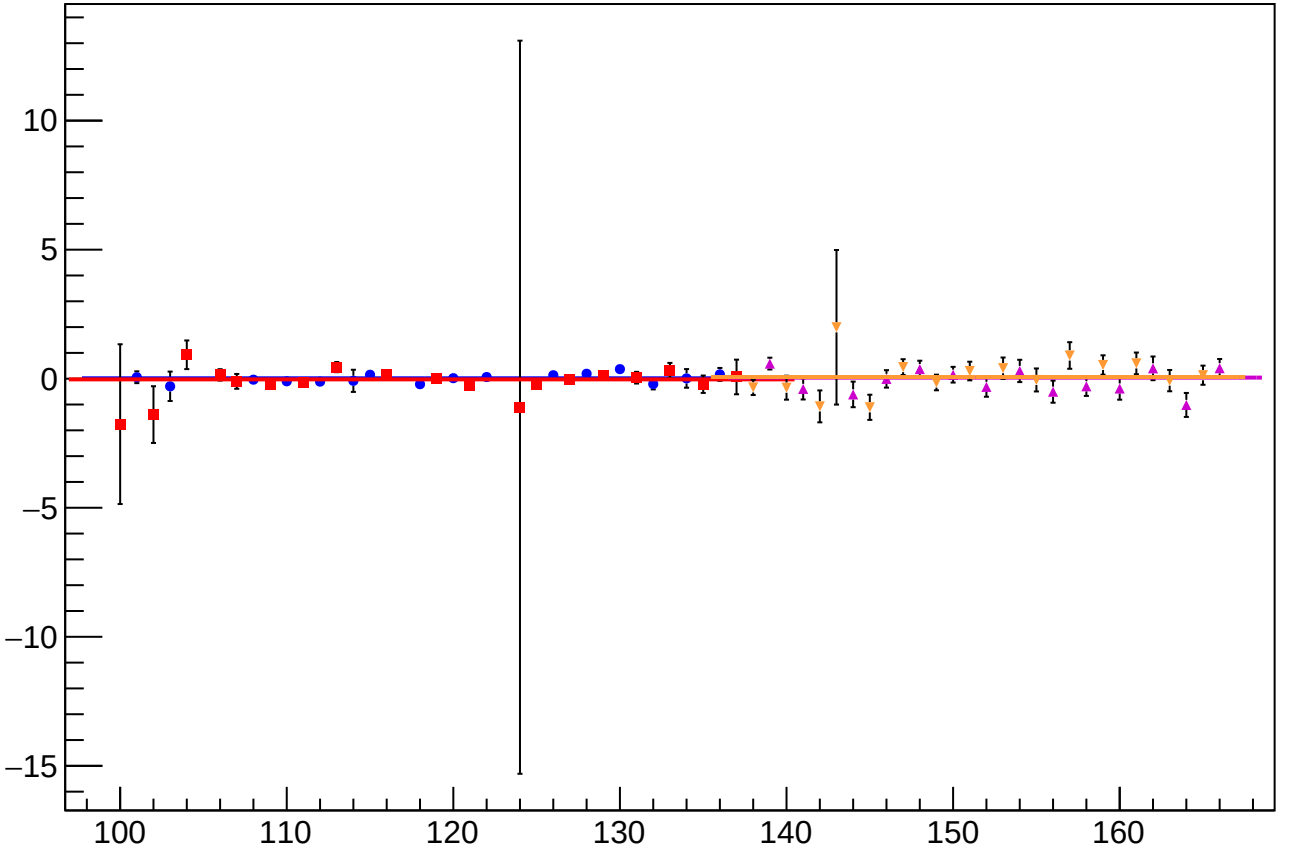
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 156.574+/-0.030 χ^2/NDF:9678371.2/29

Out: 150.380+/-0.030 χ^2/NDF:12047217.1/33

All: 153.457+/-0.021 χ^2/NDF: 21746505.1/63

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.053+/-0.071 χ^2/NDF: 42.6/28

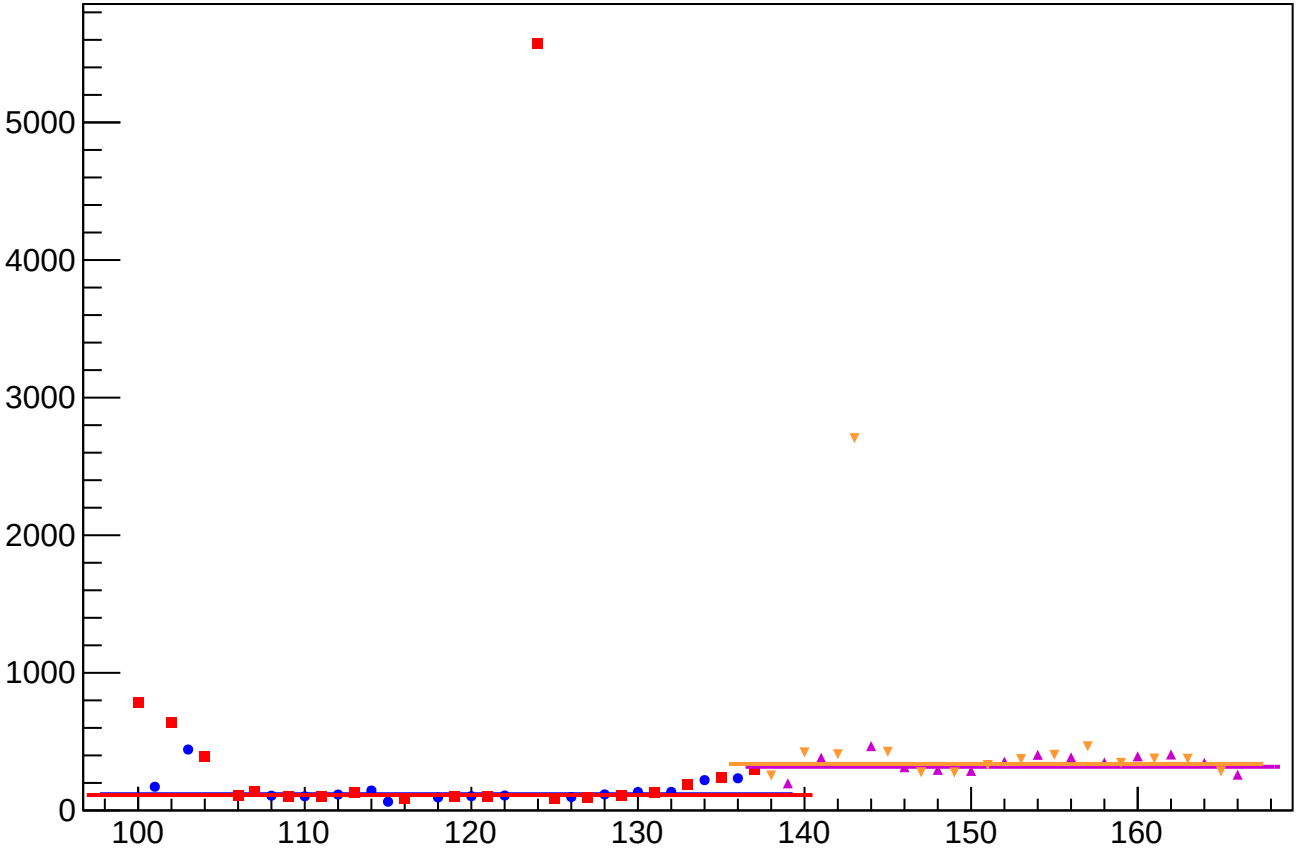
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.005+/-0.030 χ^2/NDF: 77.4/63

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.829+/-0.073 χ^2/NDF:1990560.0/14

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 317.358+/-0.069 χ^2/NDF:1177893.4/13

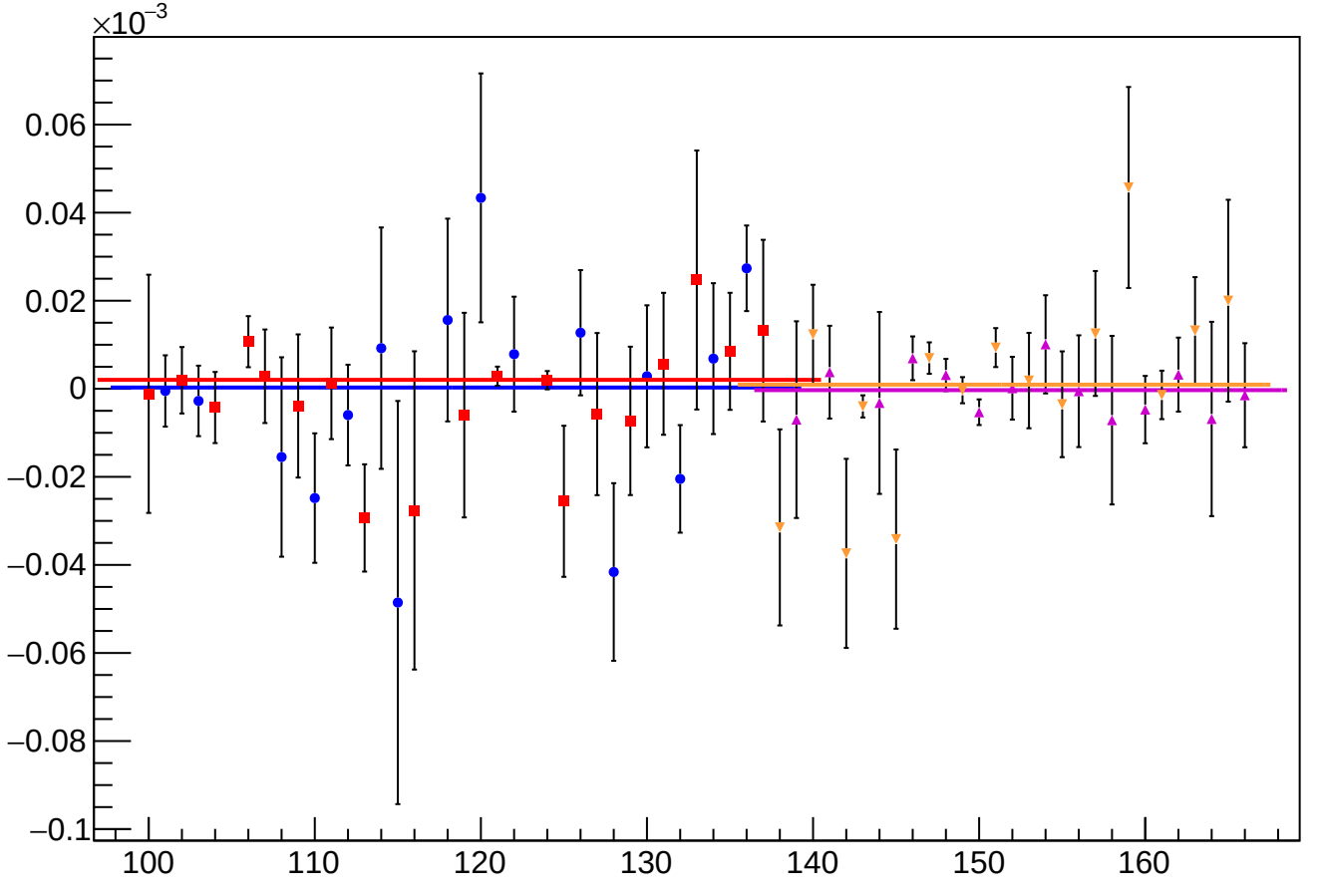
Left: 326.947+/-0.050 χ^2/NDF: 3209891.3/28

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 156.574+/-0.030 χ^2/NDF:9678371.2/29

Out: 150.380+/-0.030 χ^2/NDF:12047217.1/33

All: 153.457+/-0.021 χ^2/NDF: 21746505.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/13

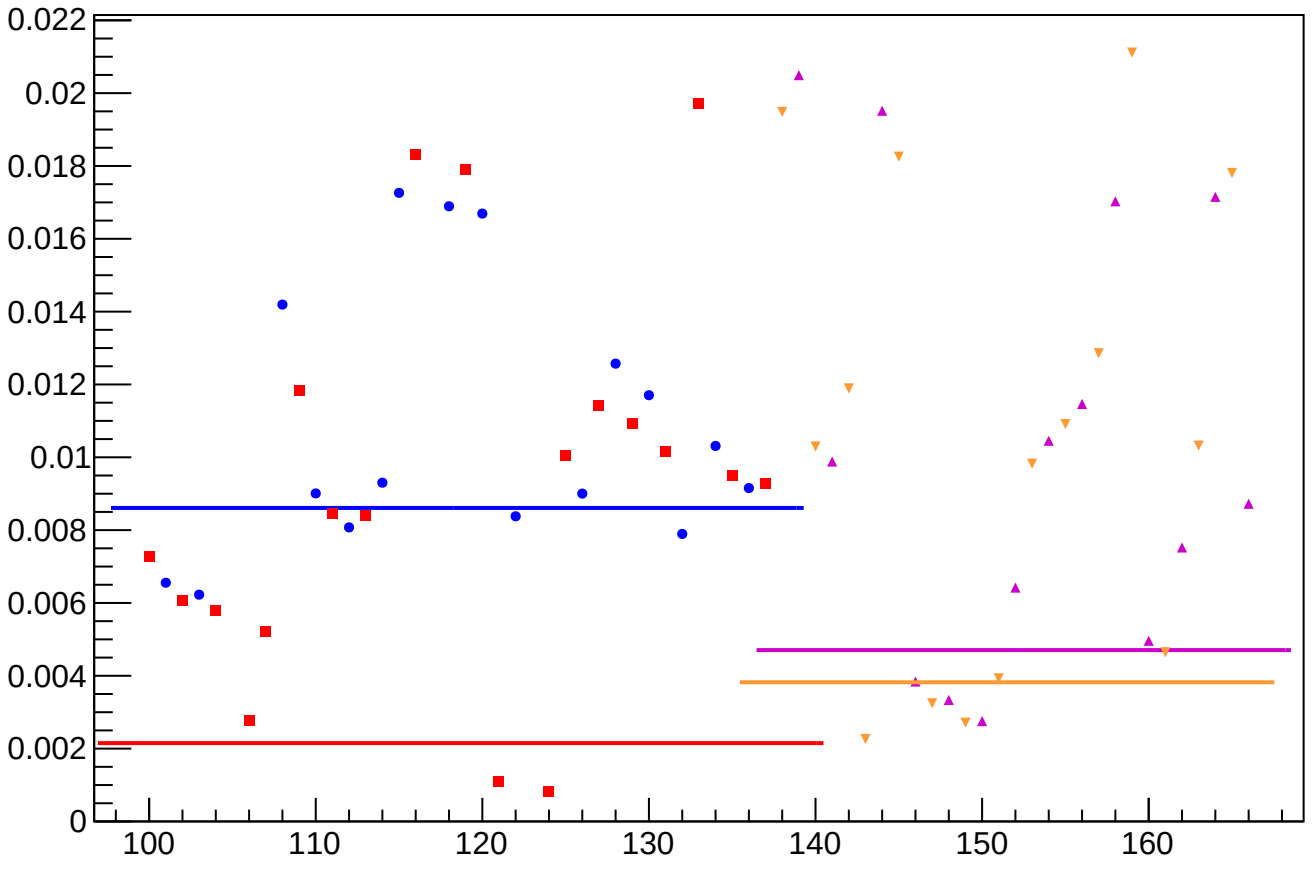
Left: 0.000+/-0.000 χ^2/NDF: 34.5/28

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:32.0/29

Out: 0.000+/-0.000 χ^2/NDF:41.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.3/63



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:8673542.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6886224.6/13

Left: 0.004+/-0.000 χ^2/NDF: 15861330.5/28

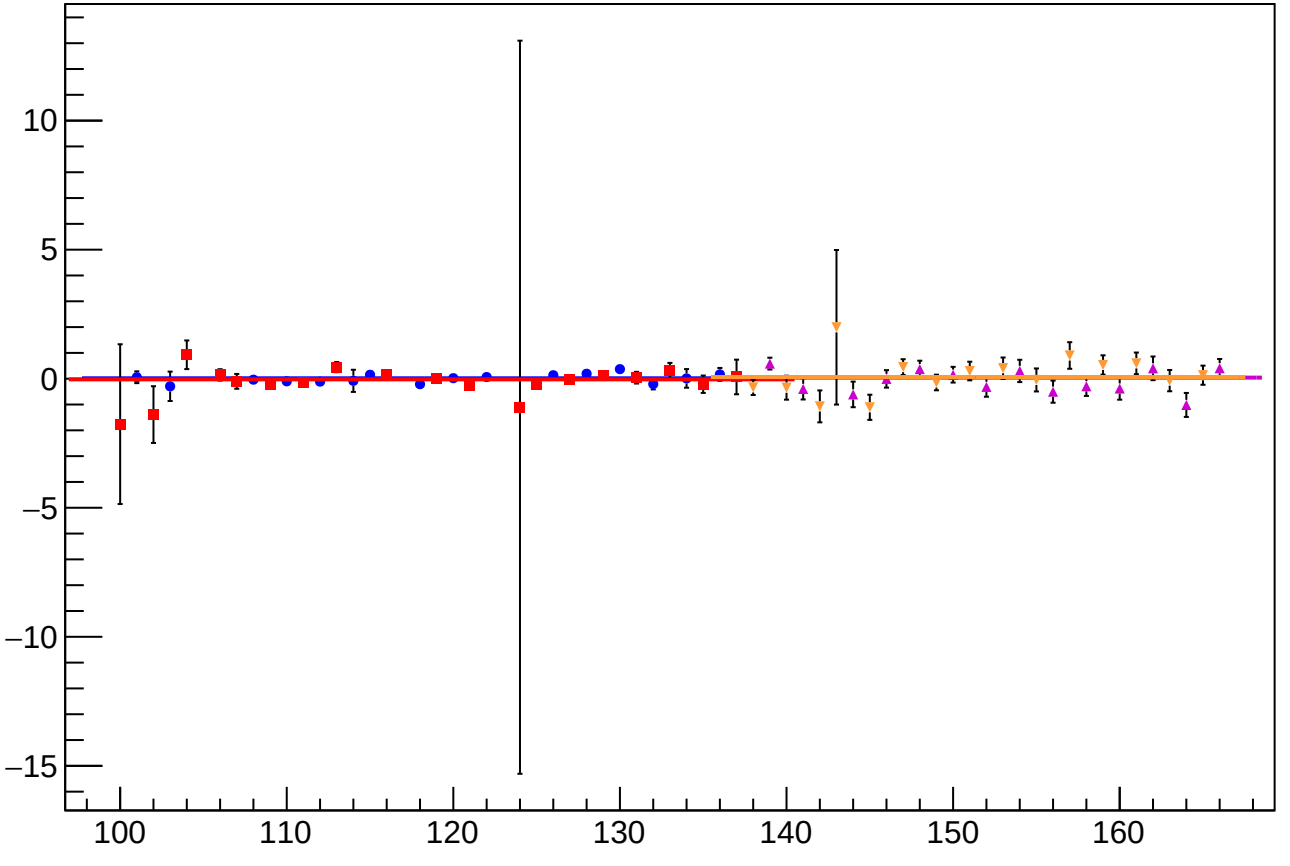
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.006+/-0.000 χ^2/NDF:10106539.1/29

Out: 0.003+/-0.000 χ^2/NDF:19201552.0/33

All: 0.004+/-0.000 χ^2/NDF: 33343048.2/63

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.053+/-0.071 χ^2/NDF: 42.6/28

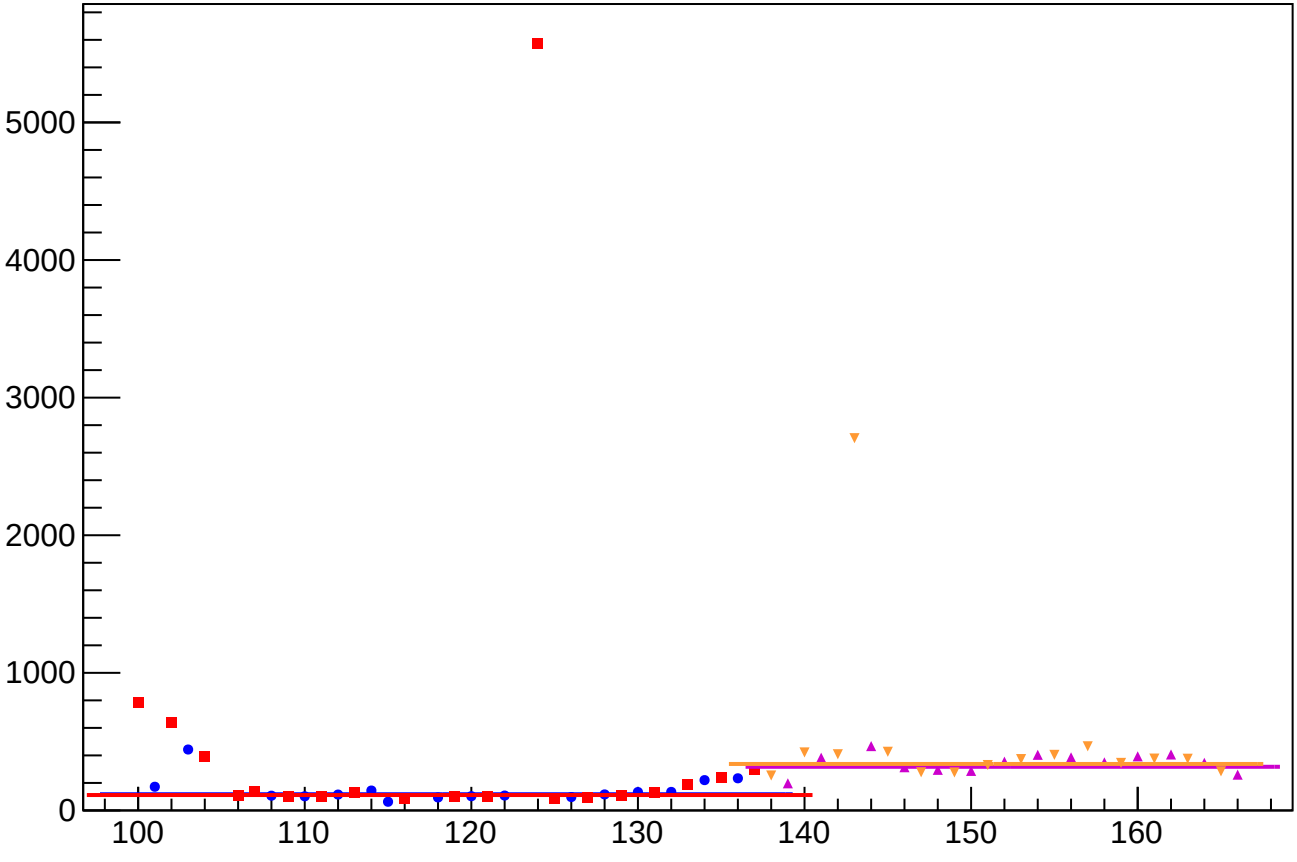
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.005+/-0.030 χ^2/NDF: 77.4/63

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 337.834+/-0.073 χ^2/NDF:1990591.8/14

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 317.362+/-0.069 χ^2/NDF:1177904.9/13

Left: 326.952+/-0.050 χ^2/NDF: 3209934.6/28

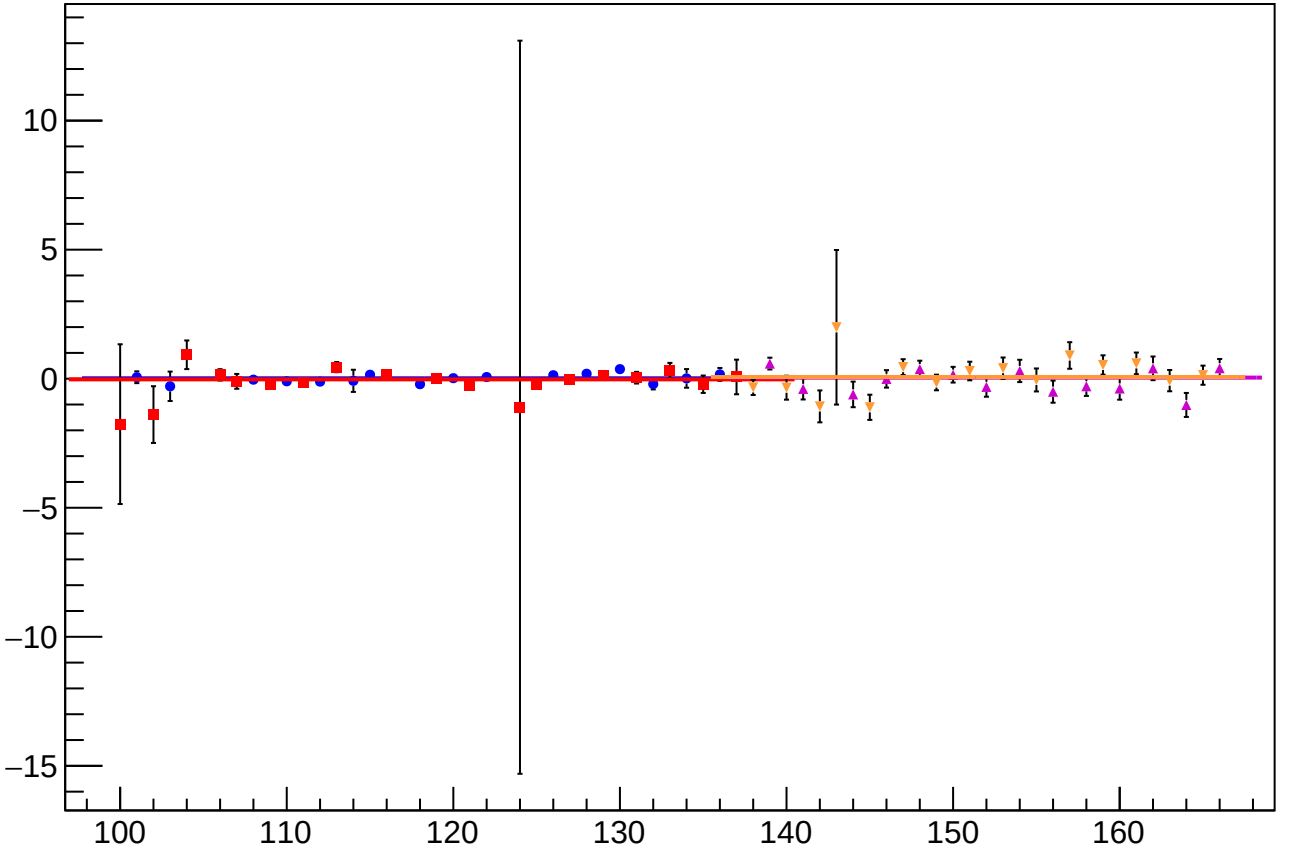
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 156.574+/-0.030 χ^2/NDF:9678485.7/29

Out: 150.382+/-0.030 χ^2/NDF:12047170.2/33

All: 153.458+/-0.021 χ^2/NDF: 21746559.3/63

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.043+/-0.097 χ^2/NDF:21.2/13

Left: 0.053+/-0.071 χ^2/NDF: 42.6/28

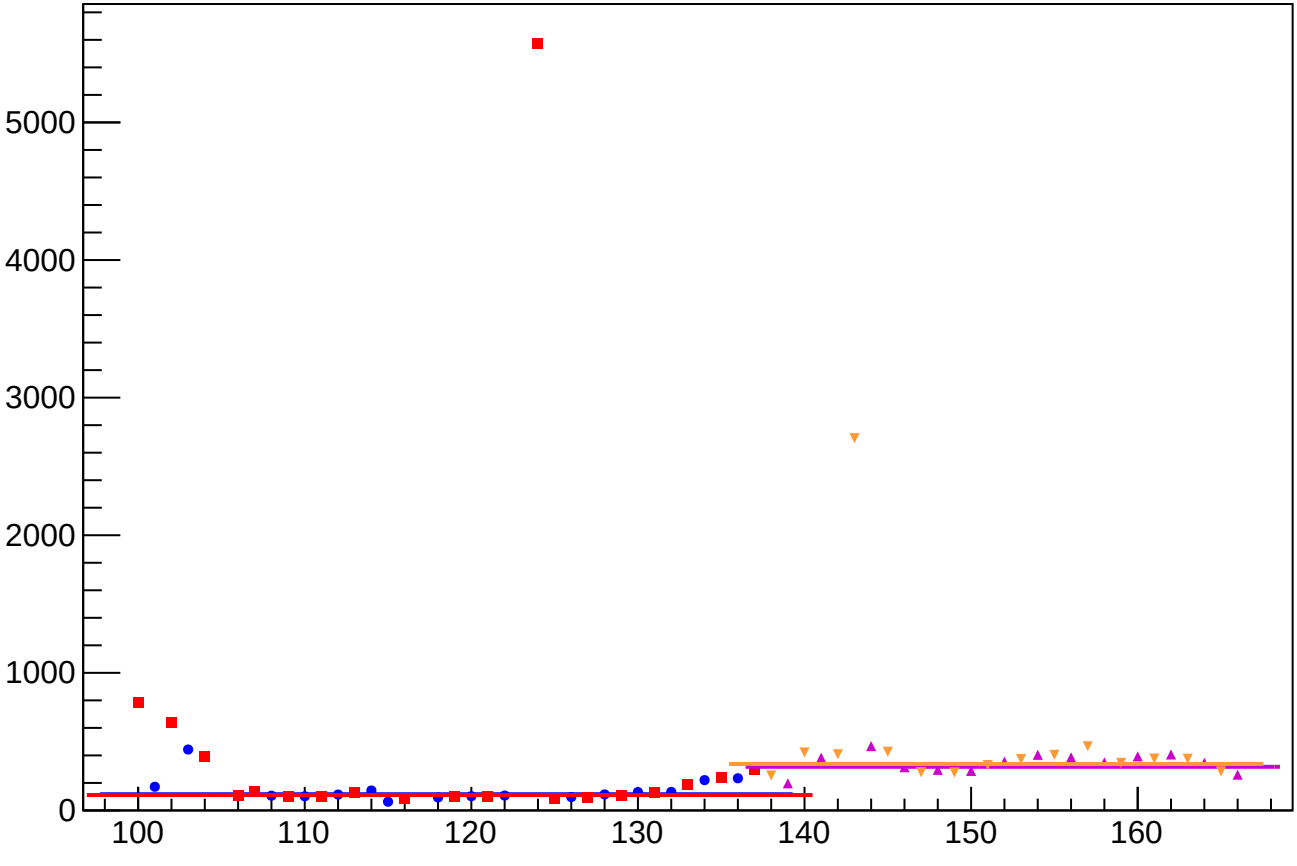
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.043 χ^2/NDF:33.0/29

Out: -0.010+/-0.043 χ^2/NDF:44.1/33

All: 0.005+/-0.030 χ^2/NDF: 77.4/63

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 337.834+/-0.073 χ^2/NDF:1990591.8/14

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 317.362+/-0.069 χ^2/NDF:1177904.9/13

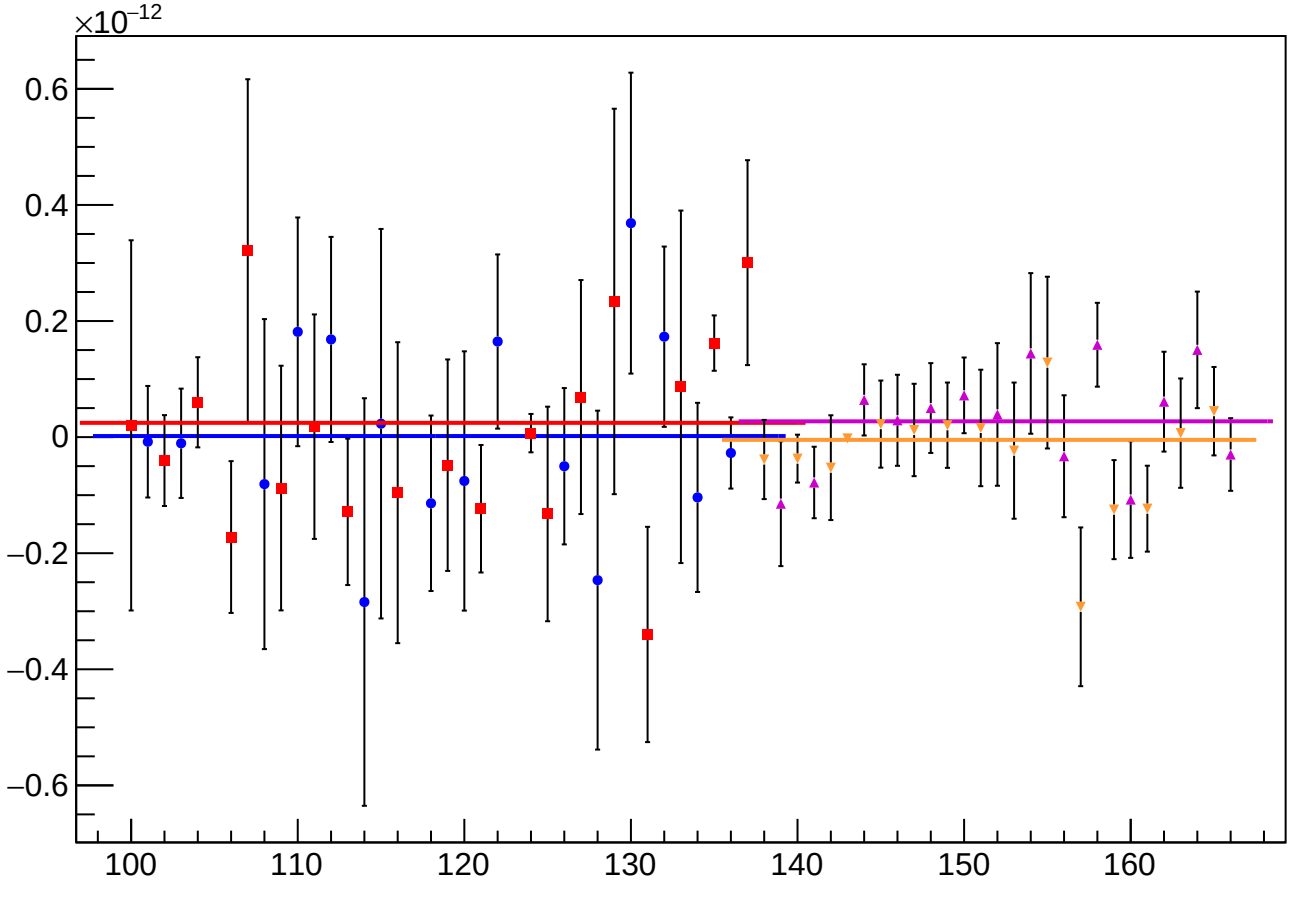
Left: 326.952+/-0.050 χ^2/NDF: 3209934.6/28

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 156.574+/-0.030 χ^2/NDF:9678485.7/29

Out: 150.382+/-0.030 χ^2/NDF:12047170.2/33

All: 153.458+/-0.021 χ^2/NDF: 21746559.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/13

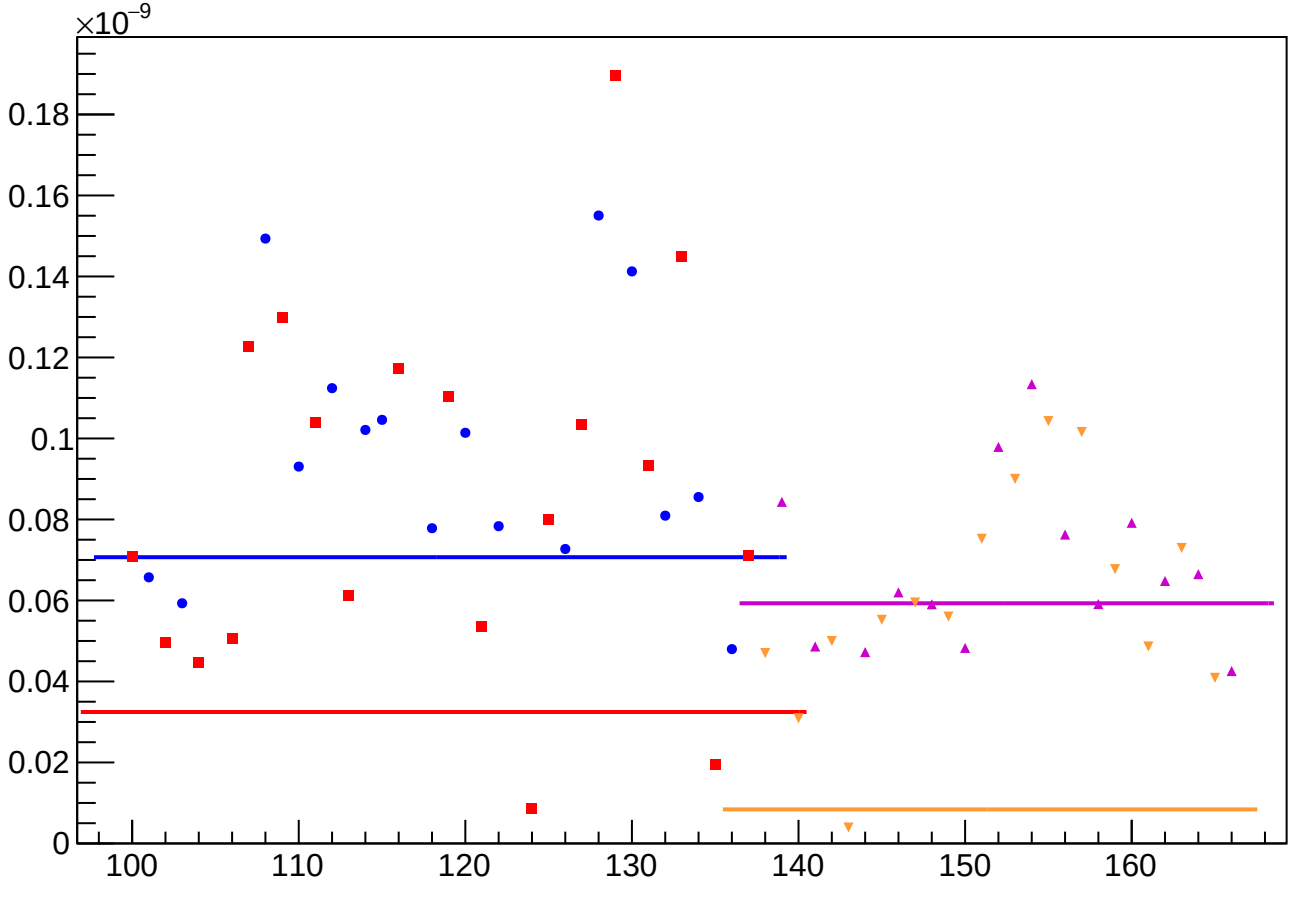
Left: -0.000+/-0.000 χ^2/NDF: 28.2/28

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.8/29

Out: -0.000+/-0.000 χ^2/NDF:37.8/33

All: -0.000+/-0.000 χ^2/NDF: 62.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11498823.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1100521.0/13

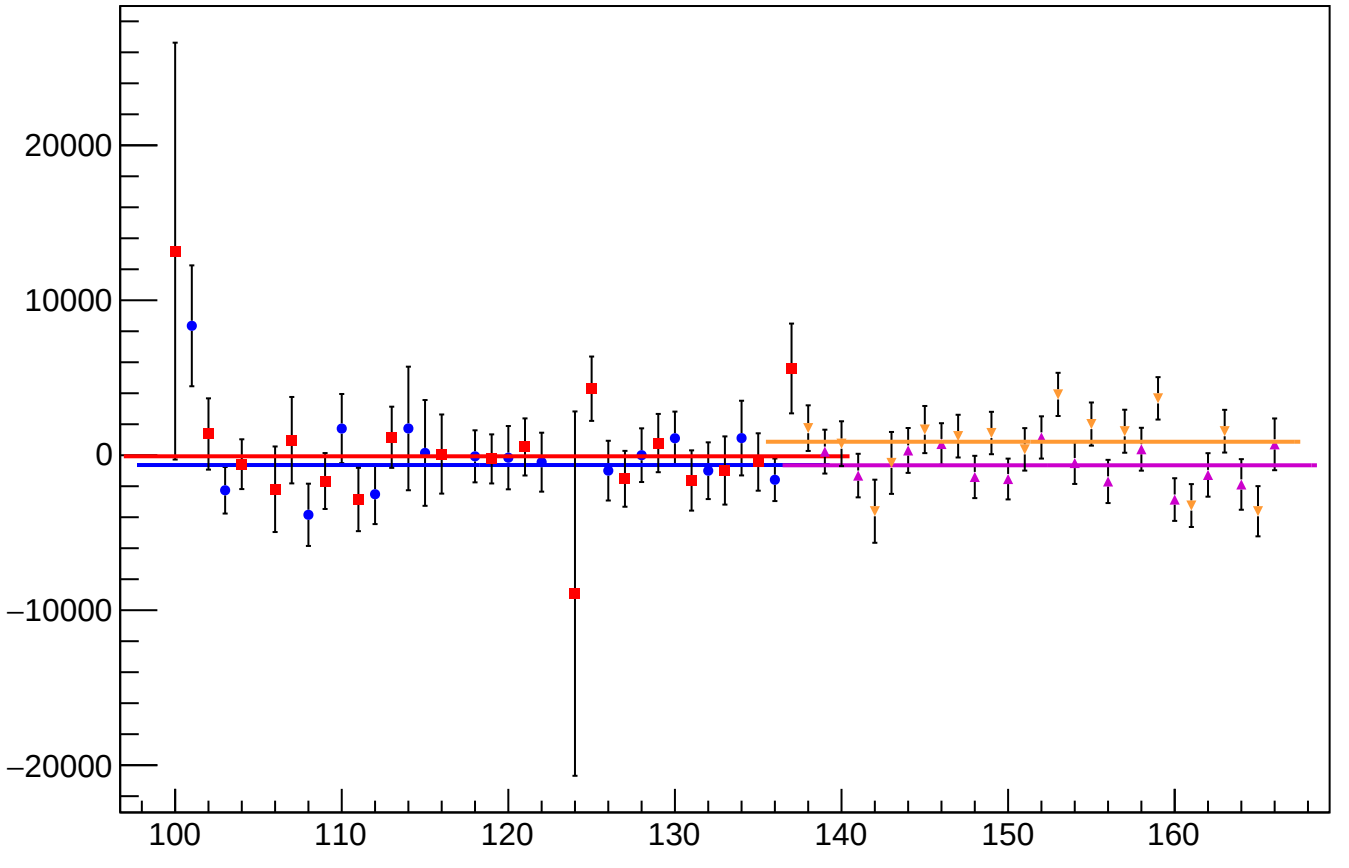
Left: 0.000+/-0.000 χ^2/NDF: 22950673.5/28

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2281370.1/29

Out: 0.000+/-0.000 χ^2/NDF:18228265.2/33

All: 0.000+/-0.000 χ^2/NDF: 35294433.0/63



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -648.112+/-376.741 χ^2/NDF:9.7/13

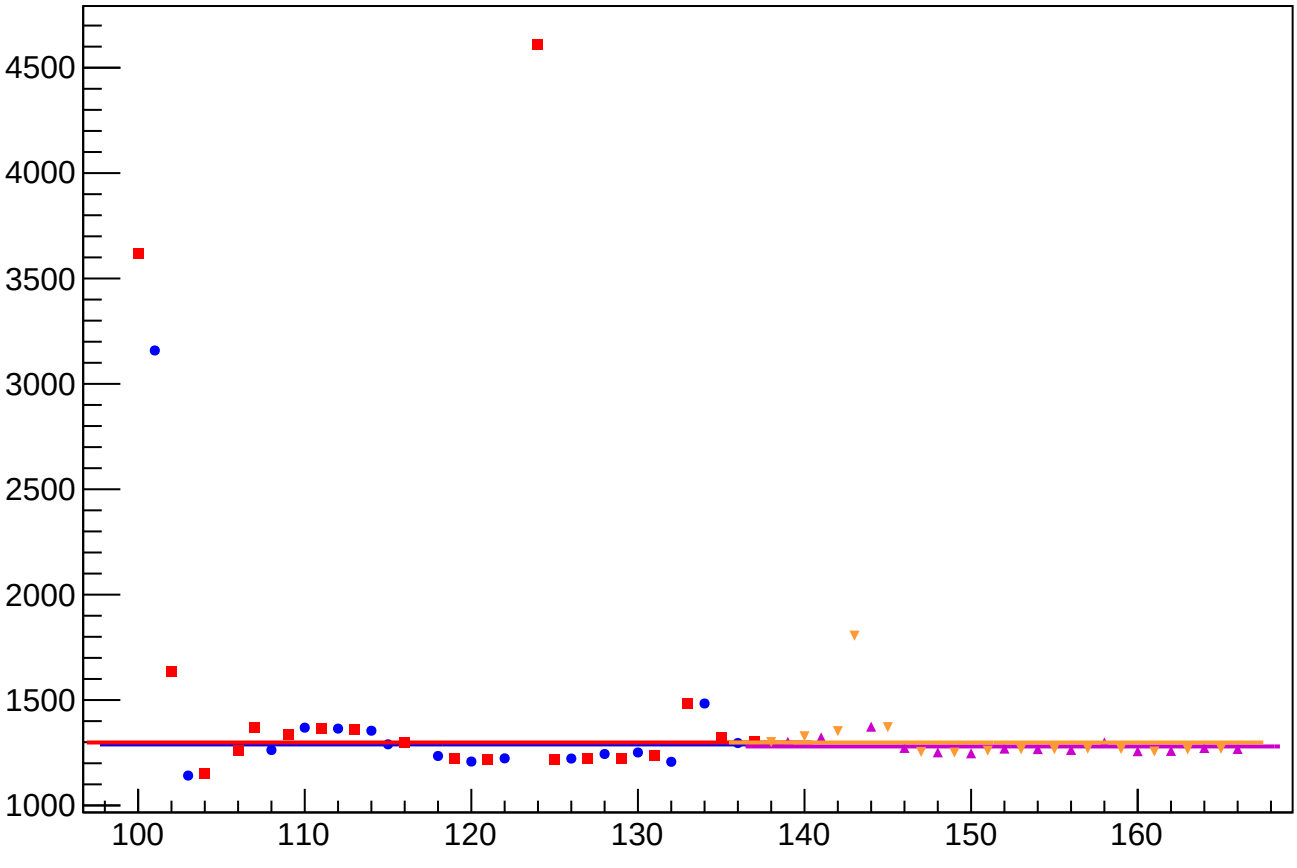
Left: 107.406+/-267.110 χ^2/NDF: 50.8/28

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -641.748+/-298.364 χ^2/NDF:23.6/29

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -63.444+/-211.256 χ^2/NDF: 82.3/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

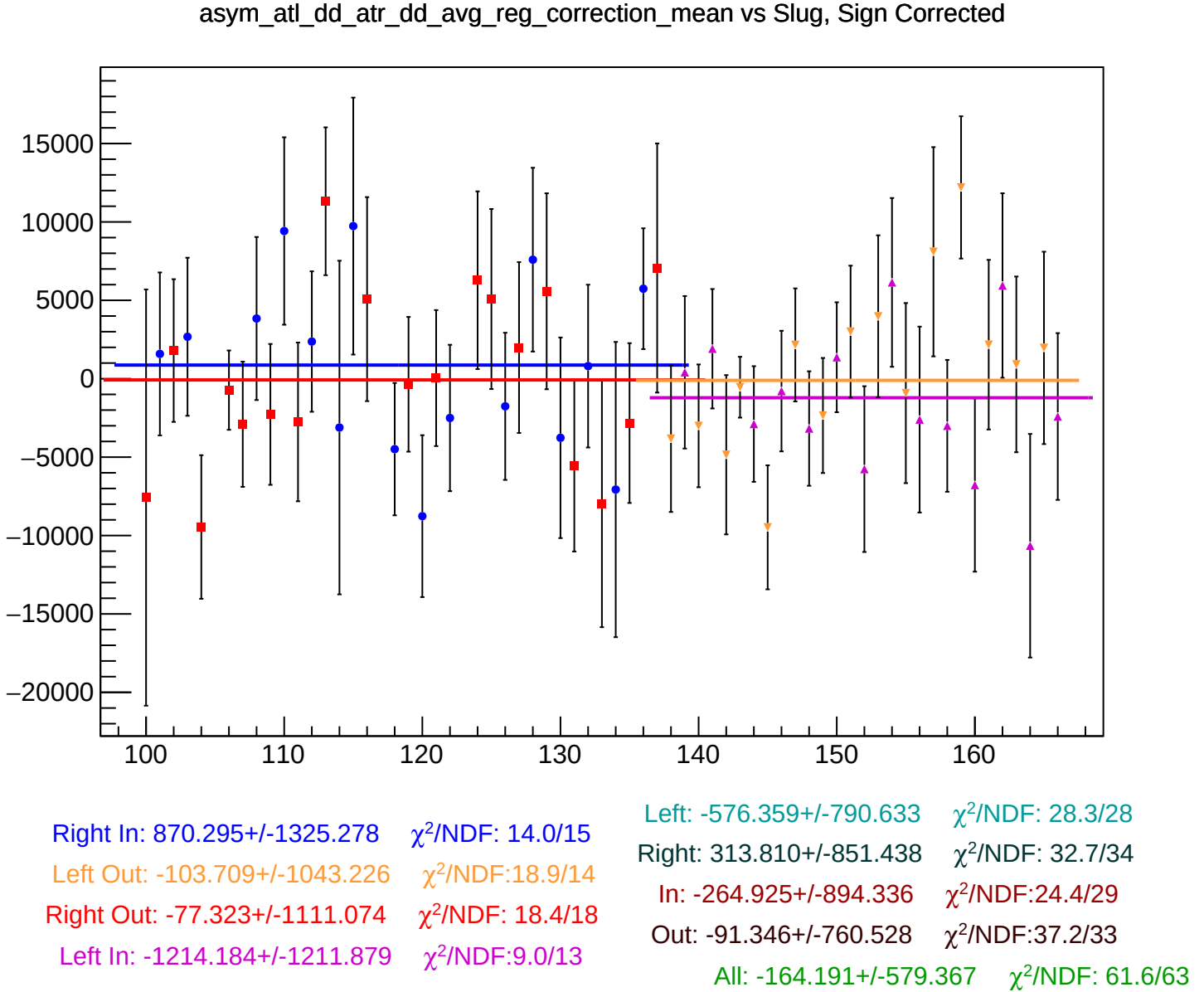
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

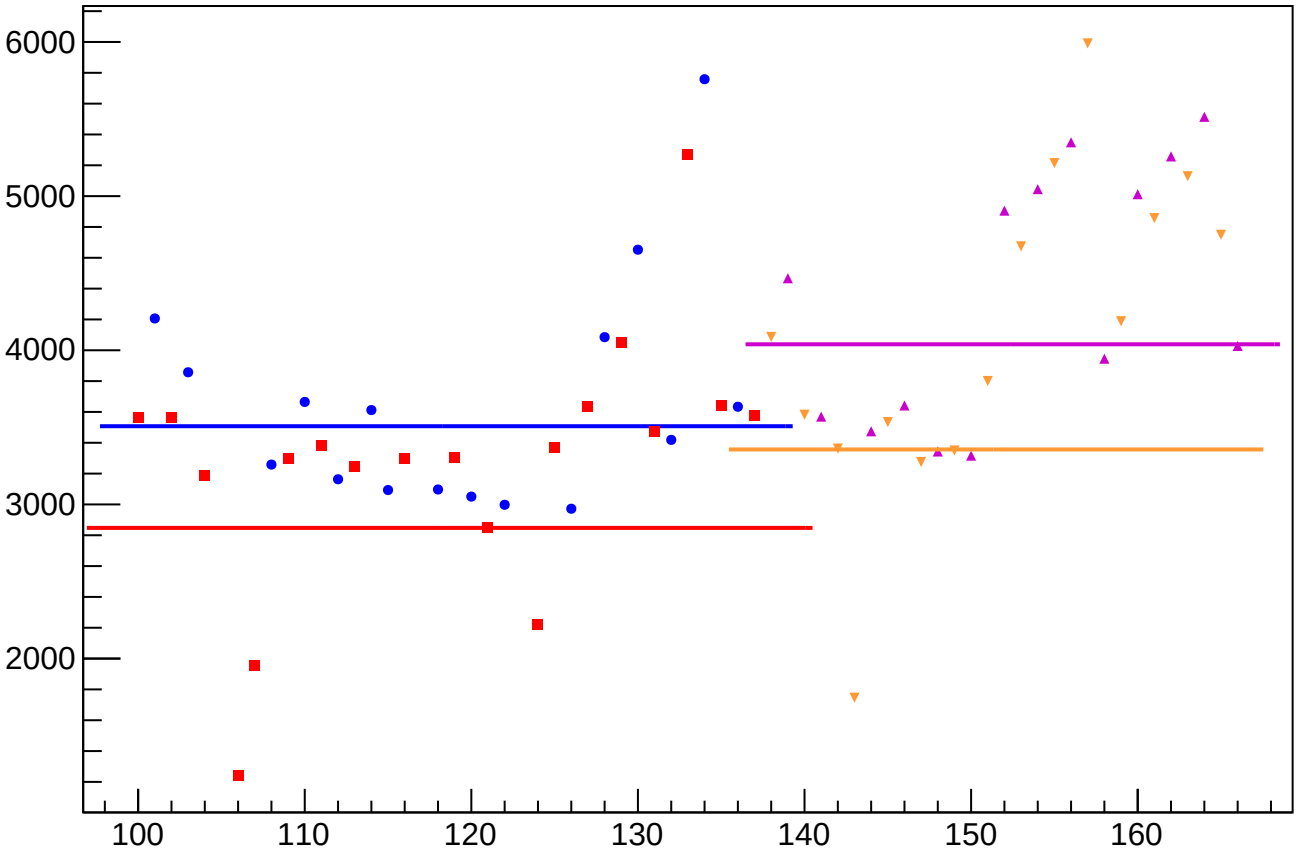
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1290.999+/-0.149 χ^2/NDF: 1001419.8/63


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1214.184+/-1211.879 χ²/NDF:9.0/13
Left: -576.359+/-790.633 χ²/NDF: 28.3/28
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -264.925+/-894.336 χ²/NDF:24.4/29
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -164.191+/-579.367 χ²/NDF: 61.6/63



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4038.851+/-0.857 χ^2/NDF:727704.4/13

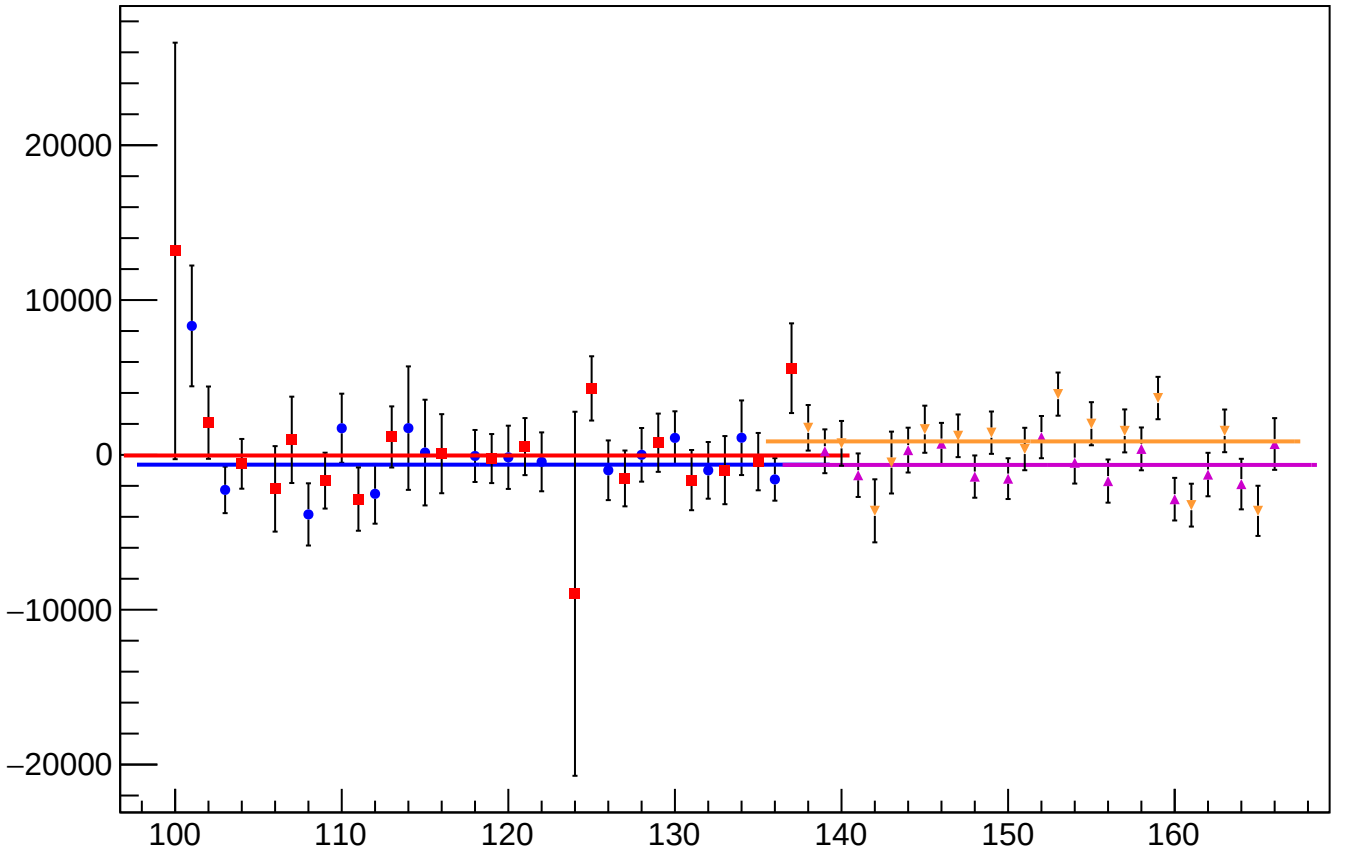
Left: 3646.968+/-0.559 χ^2/NDF: 3729097.0/28

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3796.830+/-0.632 χ^2/NDF:1256841.6/29

Out: 3118.208+/-0.538 χ^2/NDF:4359502.7/33

All: 3403.004+/-0.410 χ^2/NDF: 6284629.9/63



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

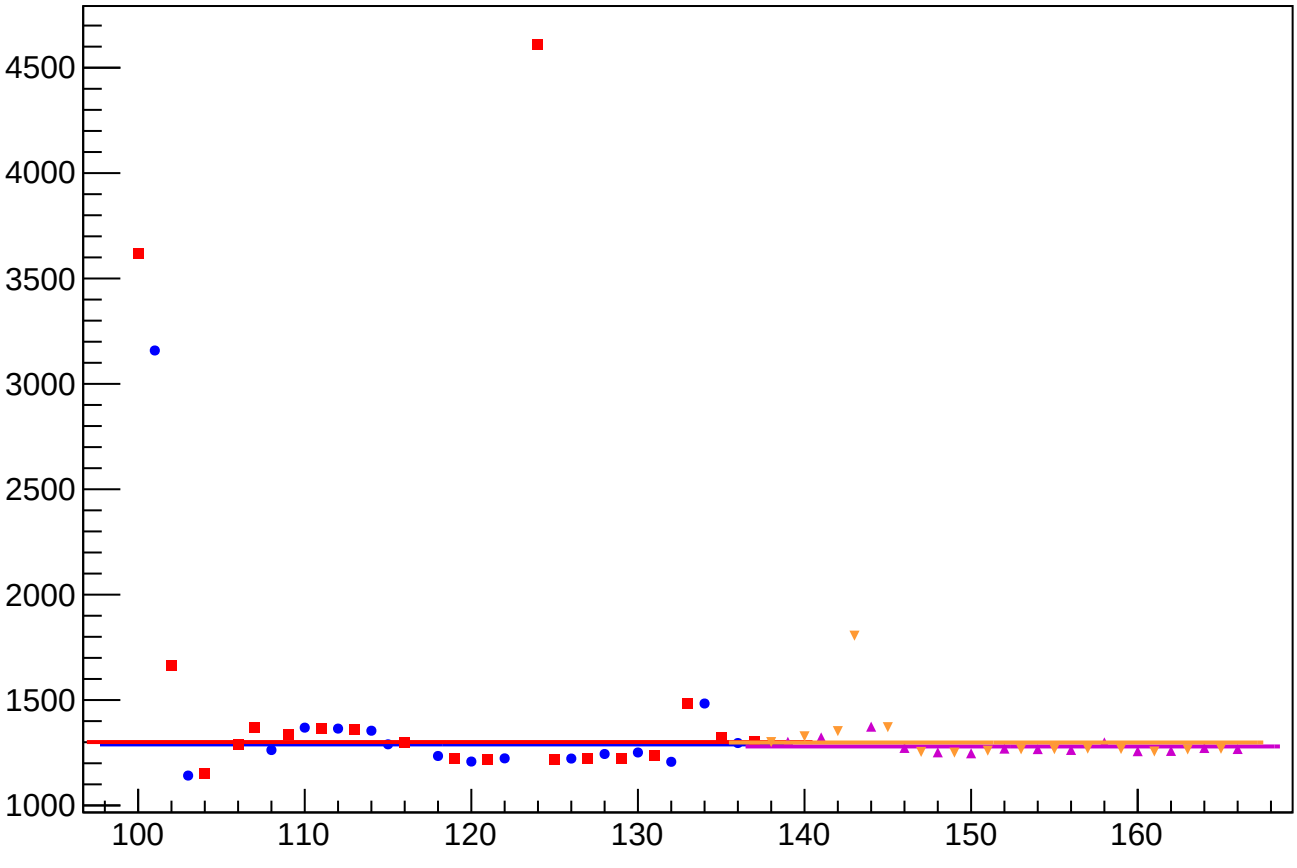
Left: 107.408+/-267.110 χ^2/NDF: 50.8/28

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -58.076+/-211.283 χ^2/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

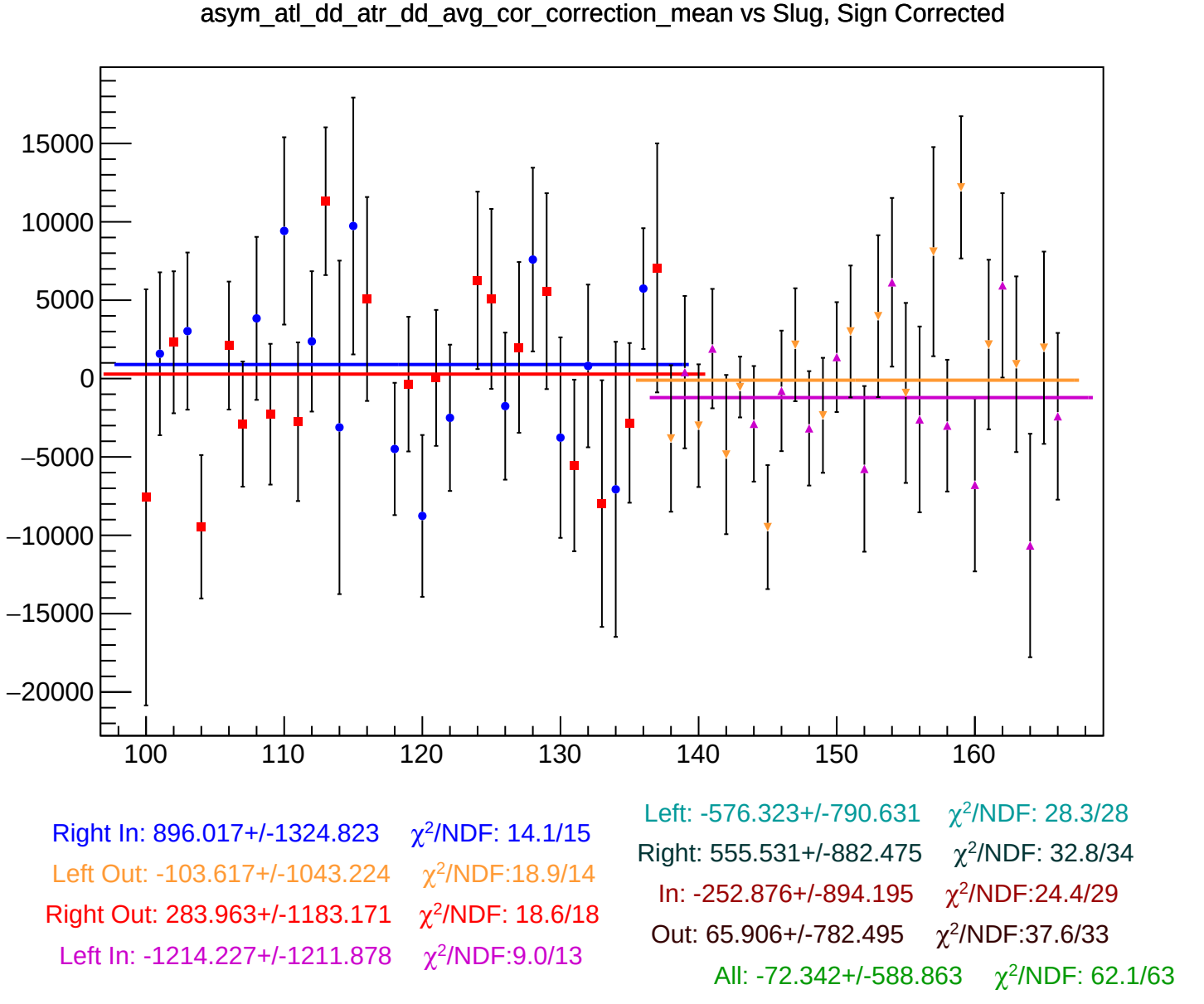
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

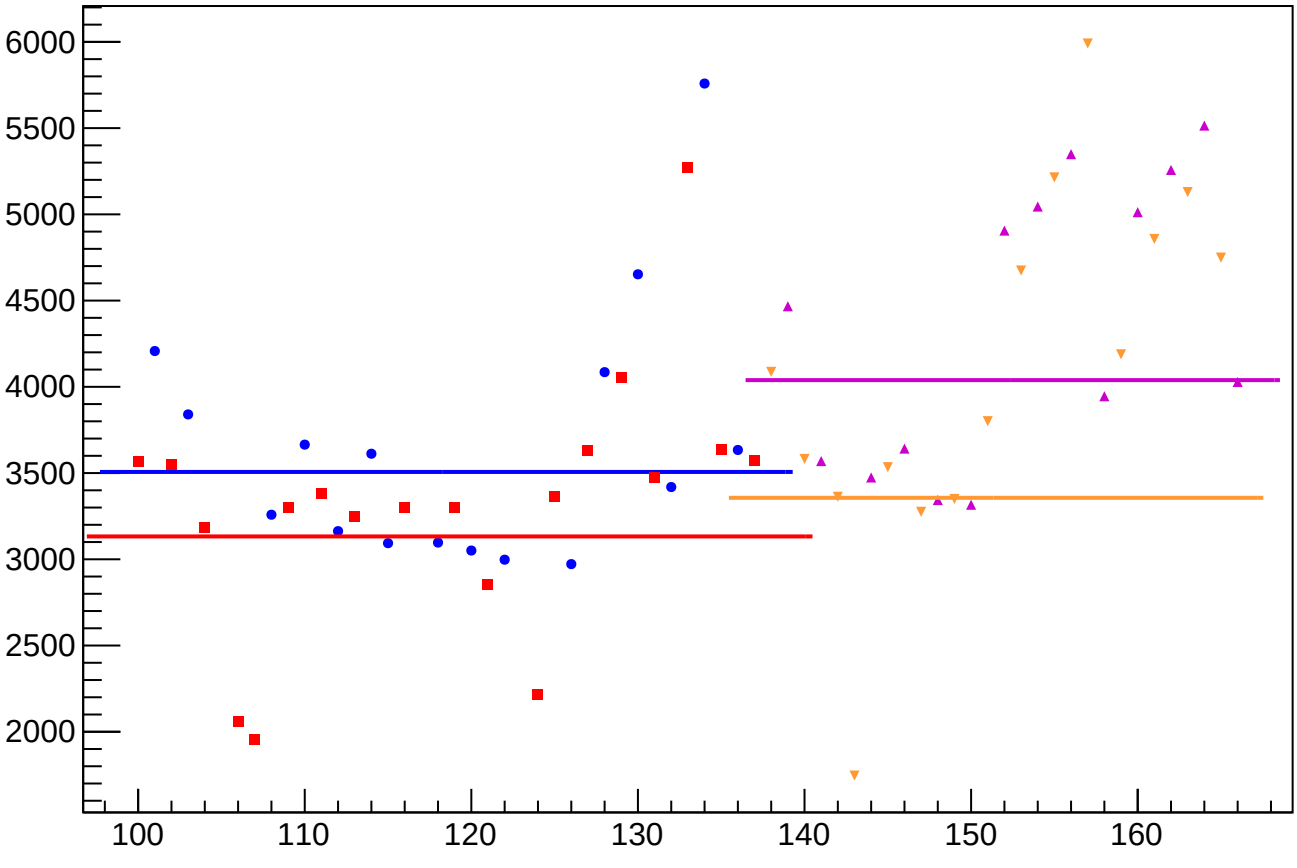
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -576.323+/-790.631 χ²/NDF: 28.3/28
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -72.342+/-588.863 χ²/NDF: 62.1/63



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

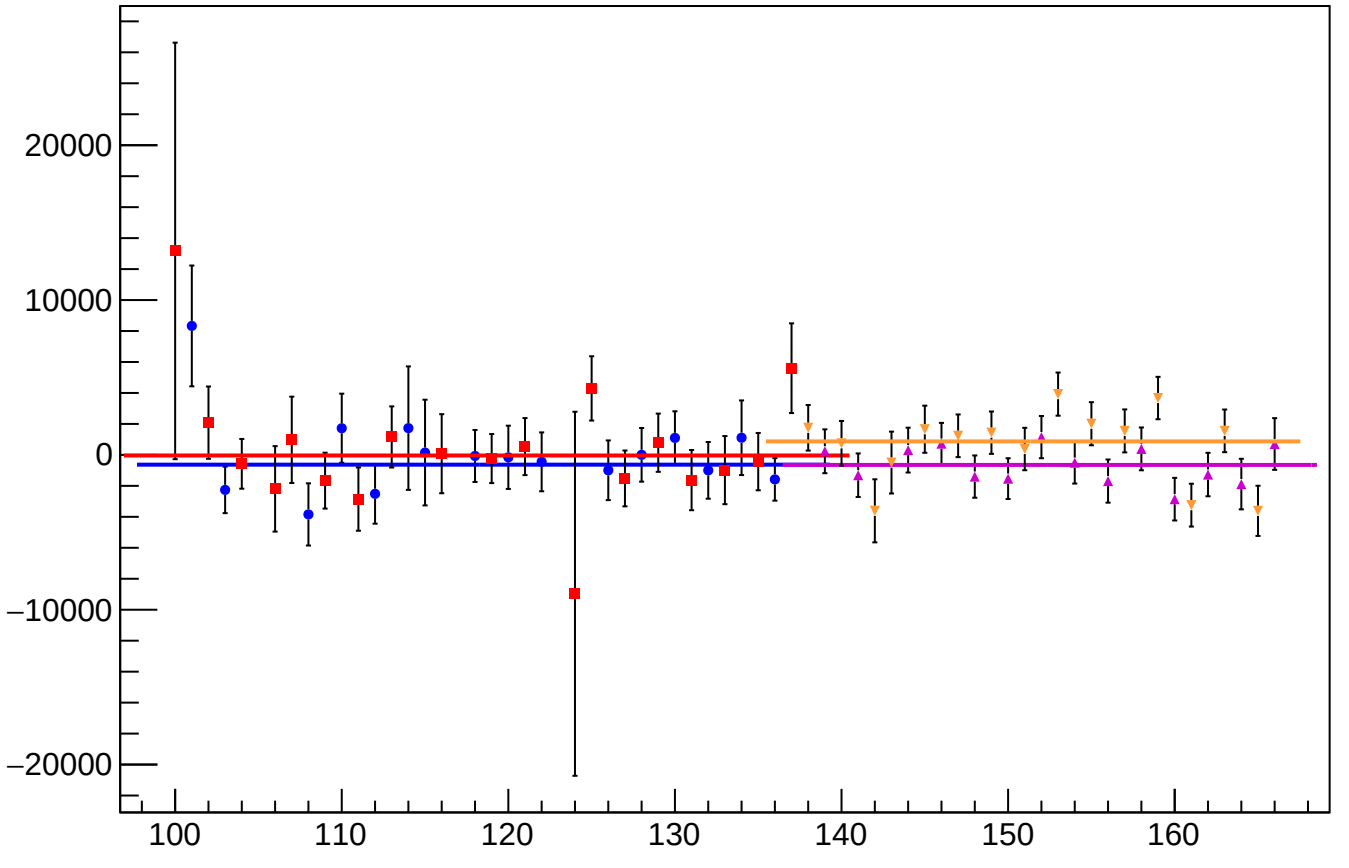
Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

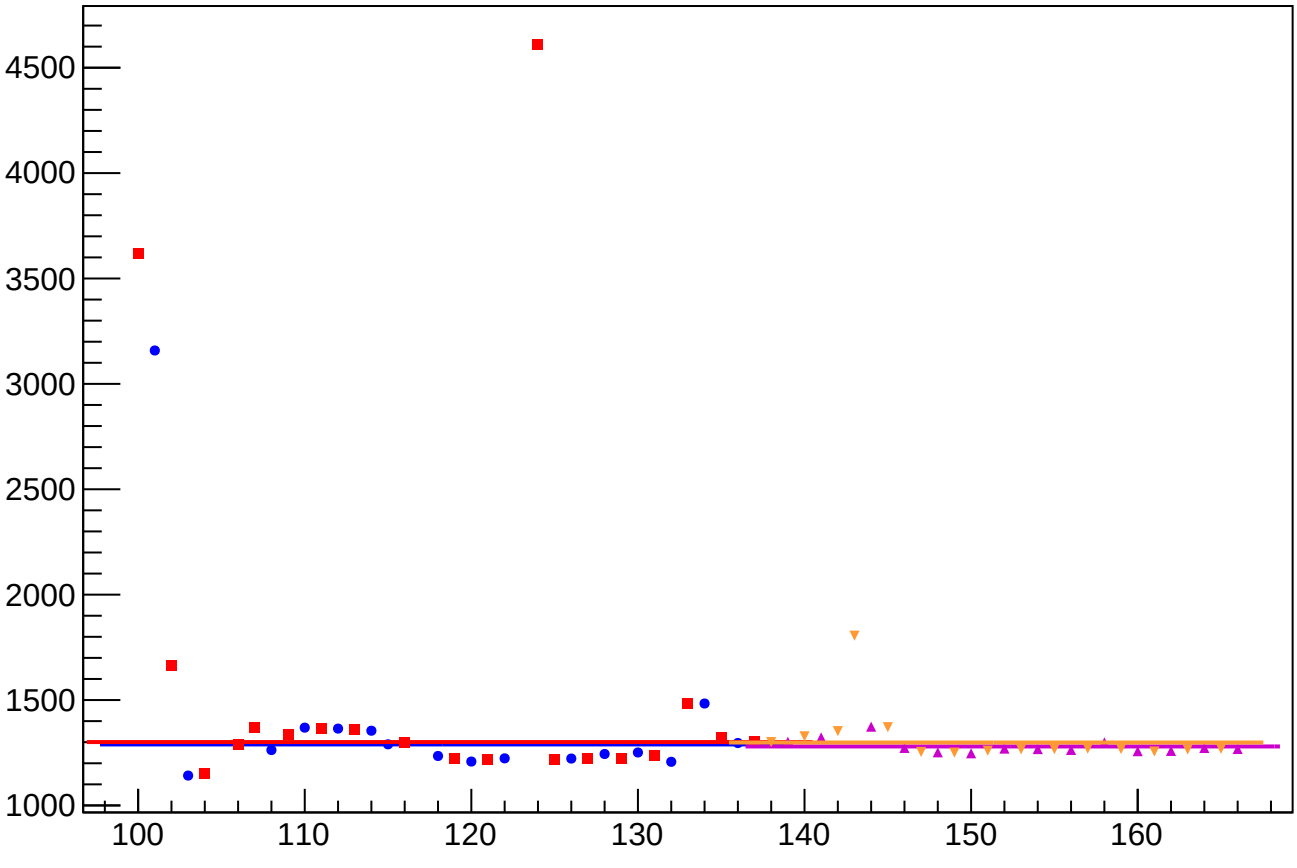
Left: 107.408+/-267.110 χ^2/NDF: 50.8/28

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -58.076+/-211.283 χ^2/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

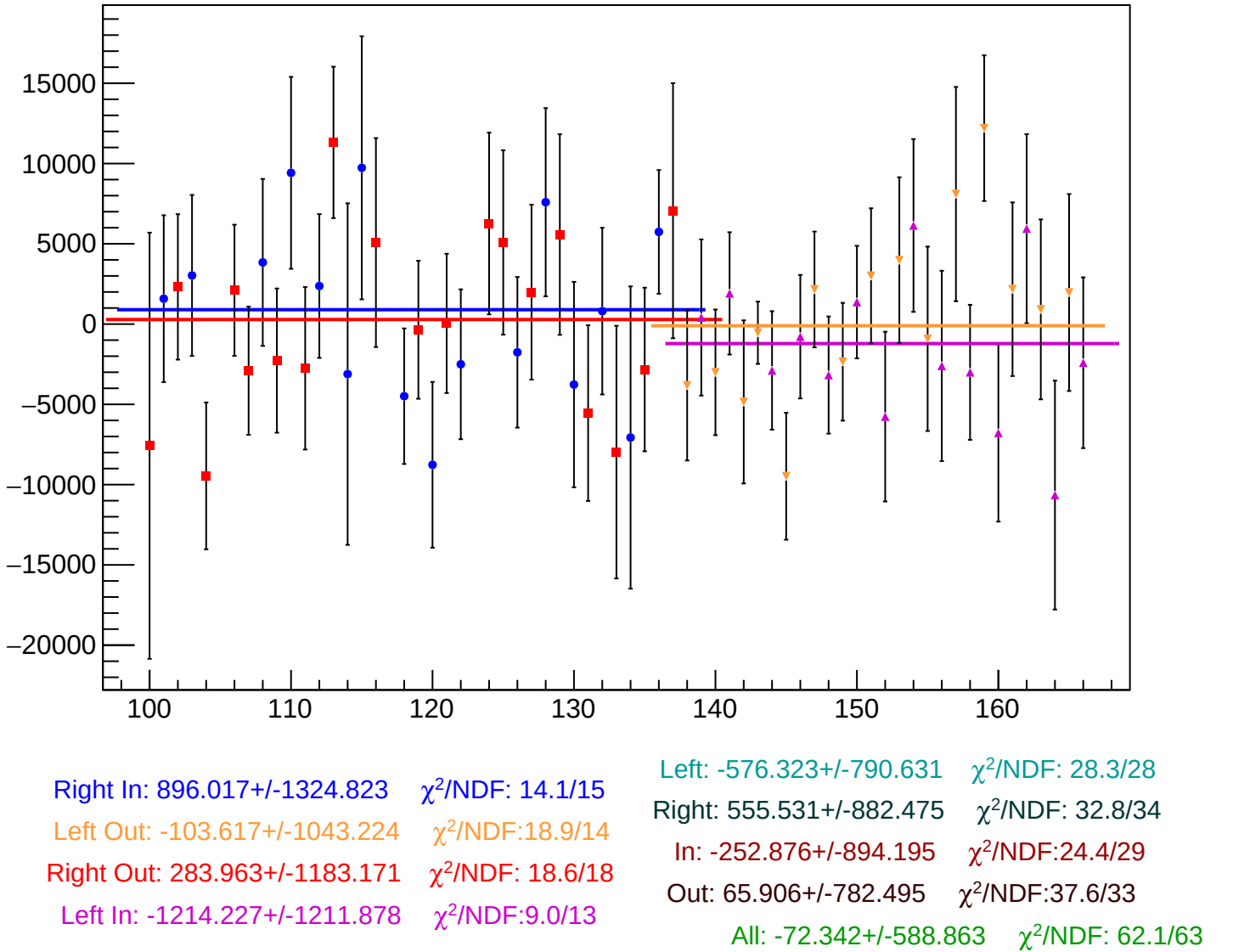
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

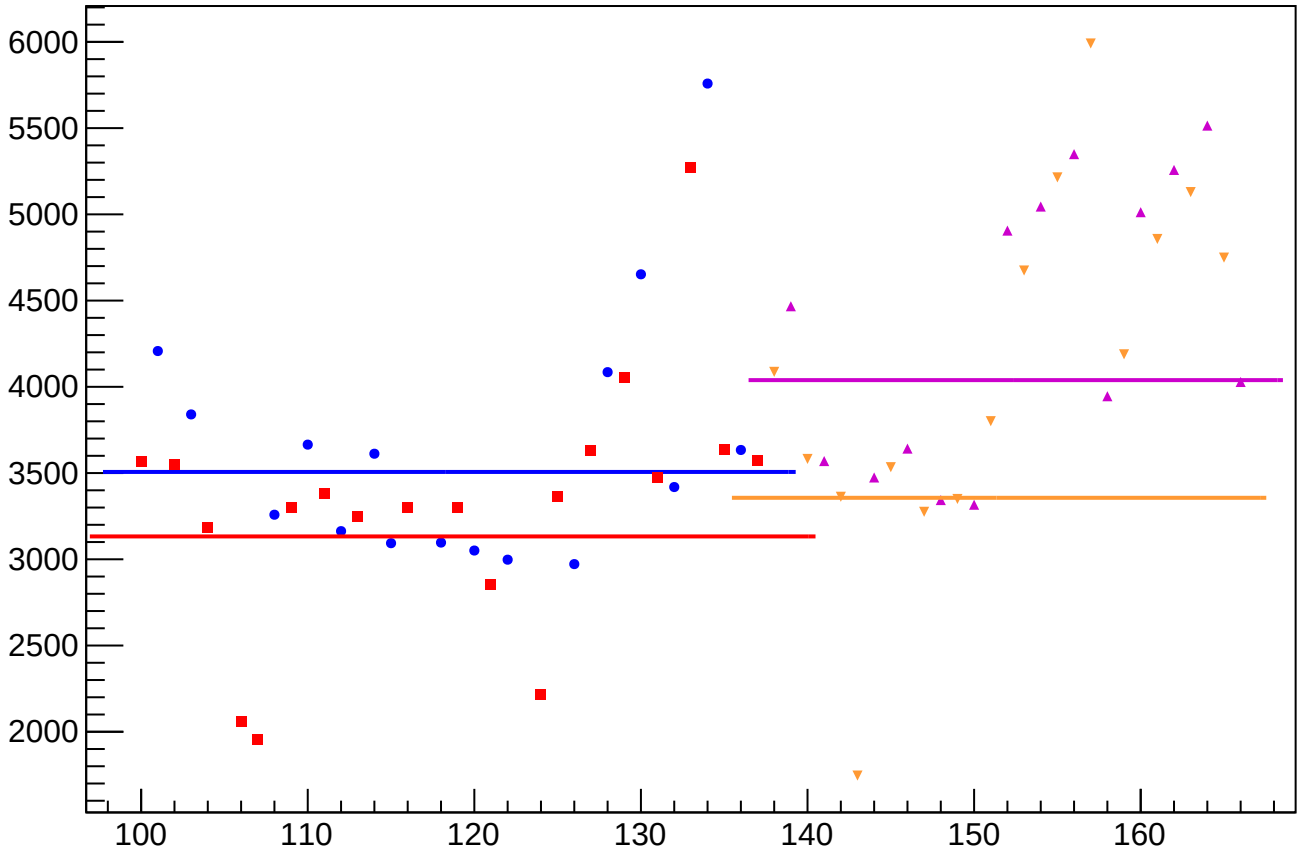
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -576.323+/-790.631 χ²/NDF: 28.3/28
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -72.342+/-588.863 χ²/NDF: 62.1/63



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

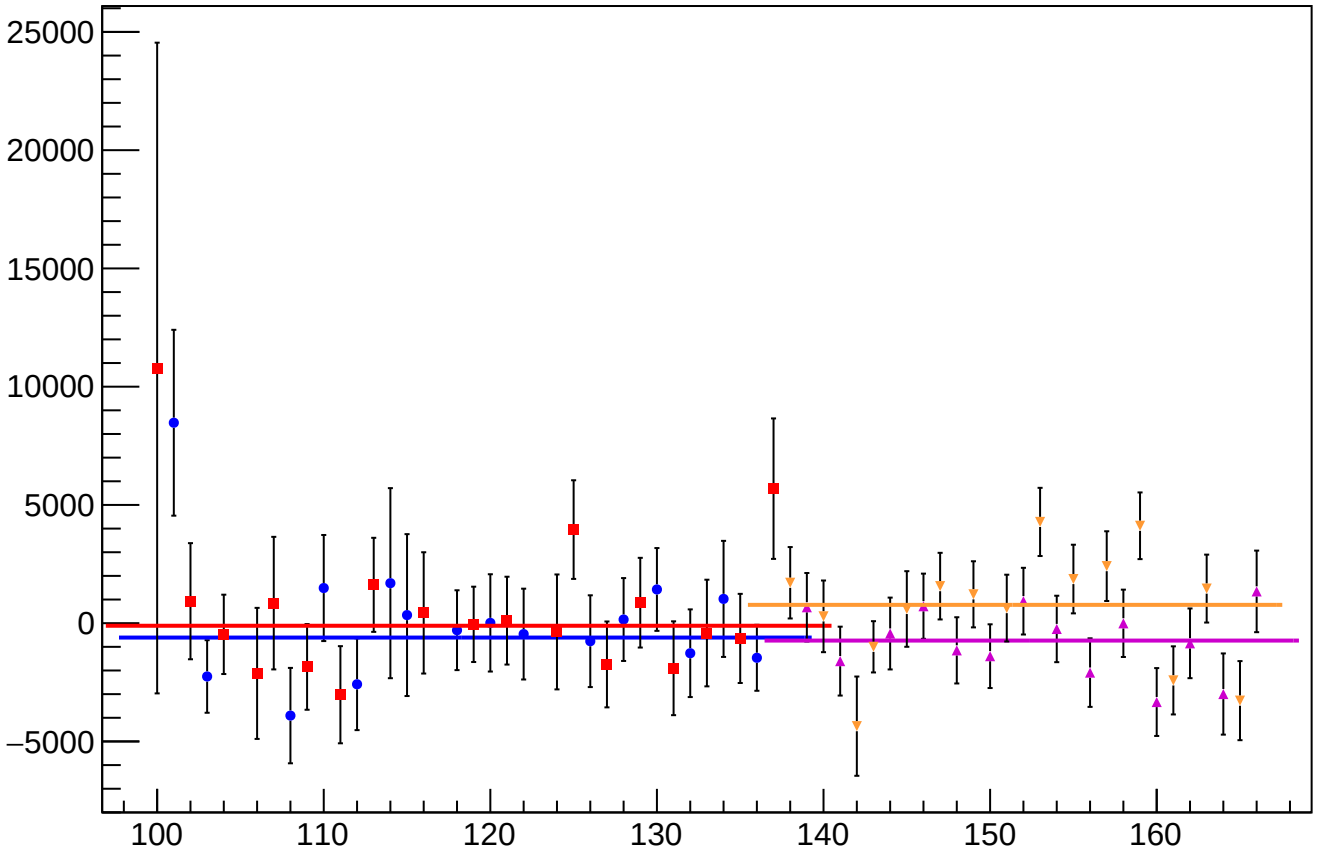
Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

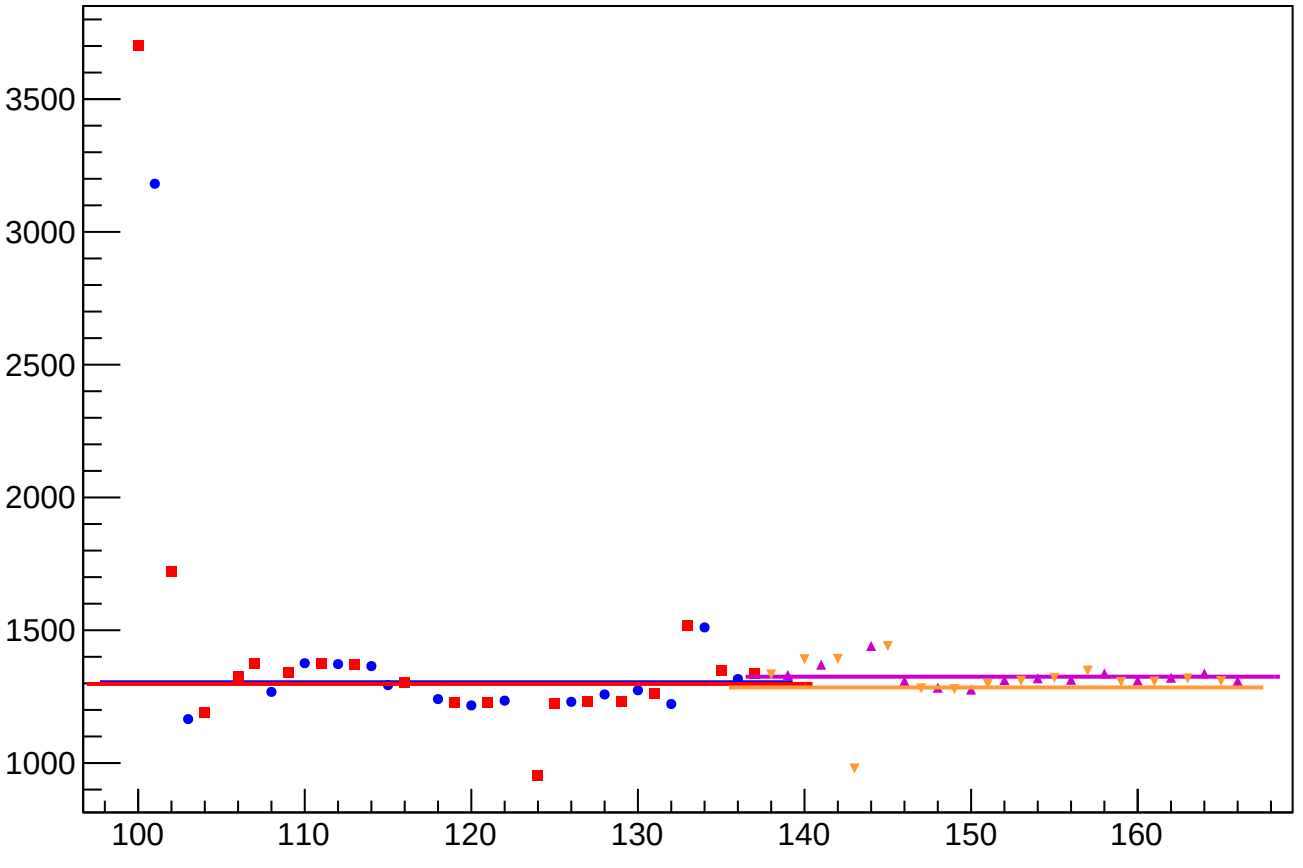
Left: 49.511+/-270.412 χ^2/NDF: 53.6/28

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.142 χ^2/NDF: 84.0/63



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.084+/-0.276 χ^2/NDF:19191.5/13

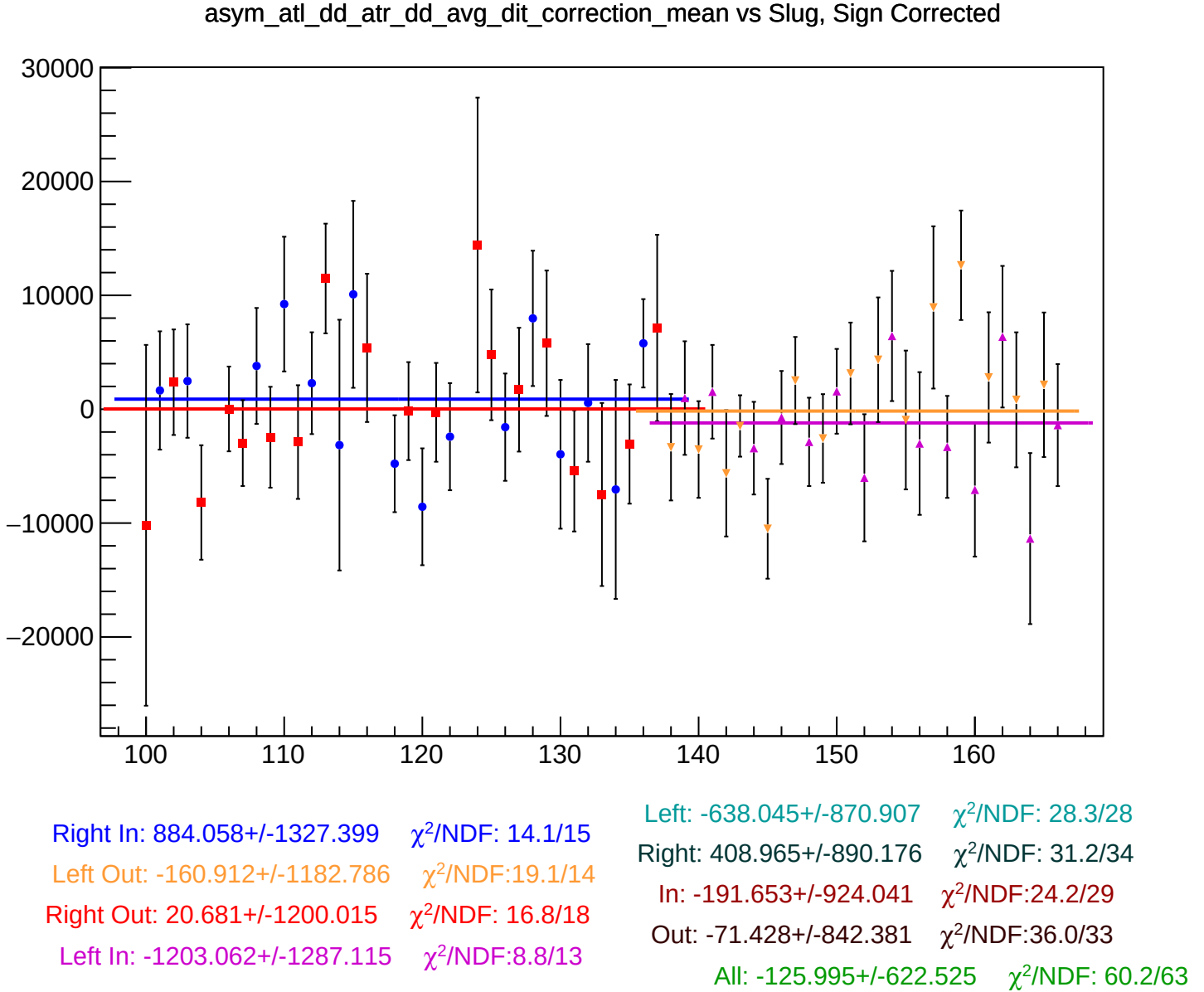
Left: 1303.999+/-0.191 χ^2/NDF: 233481.6/28

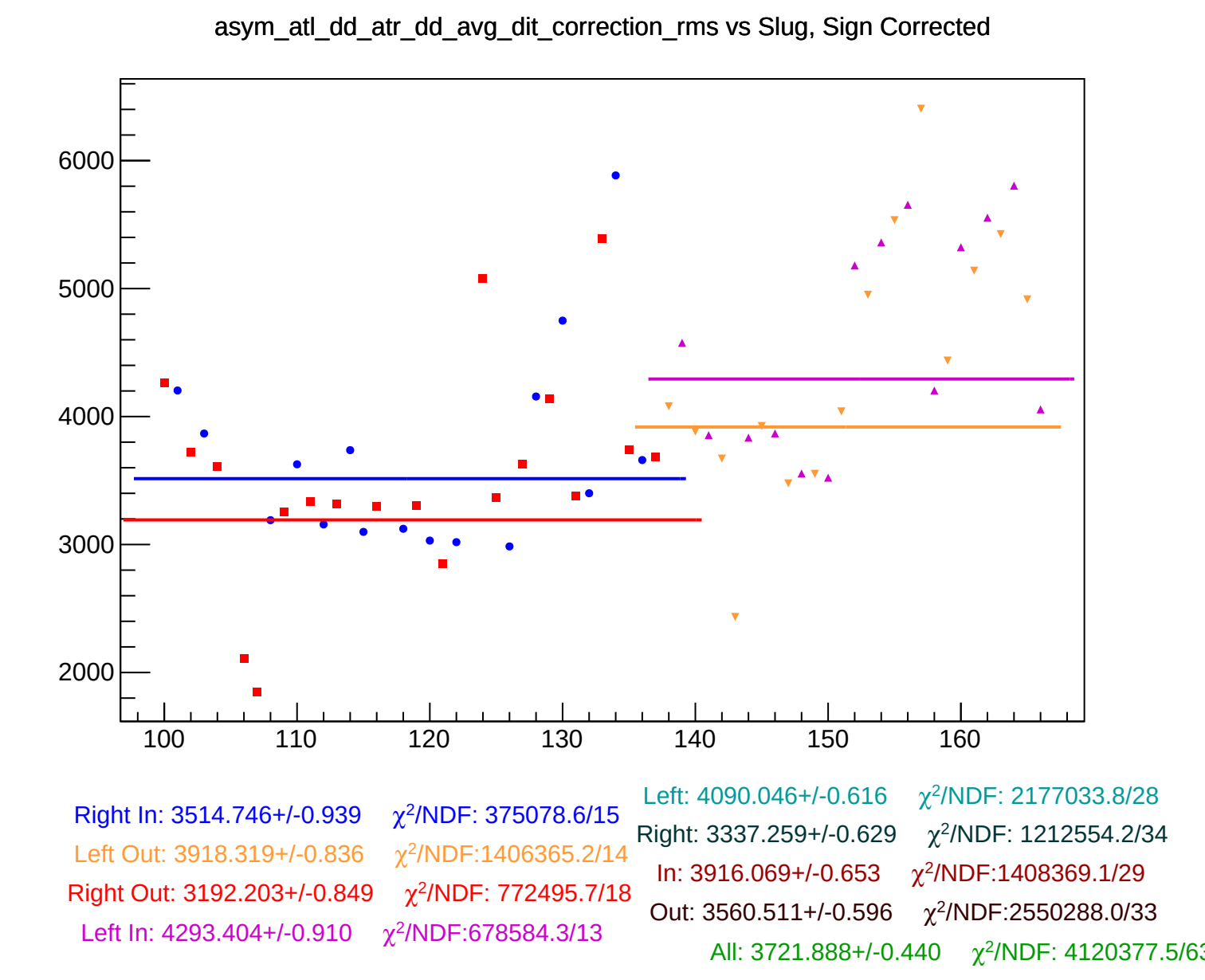
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

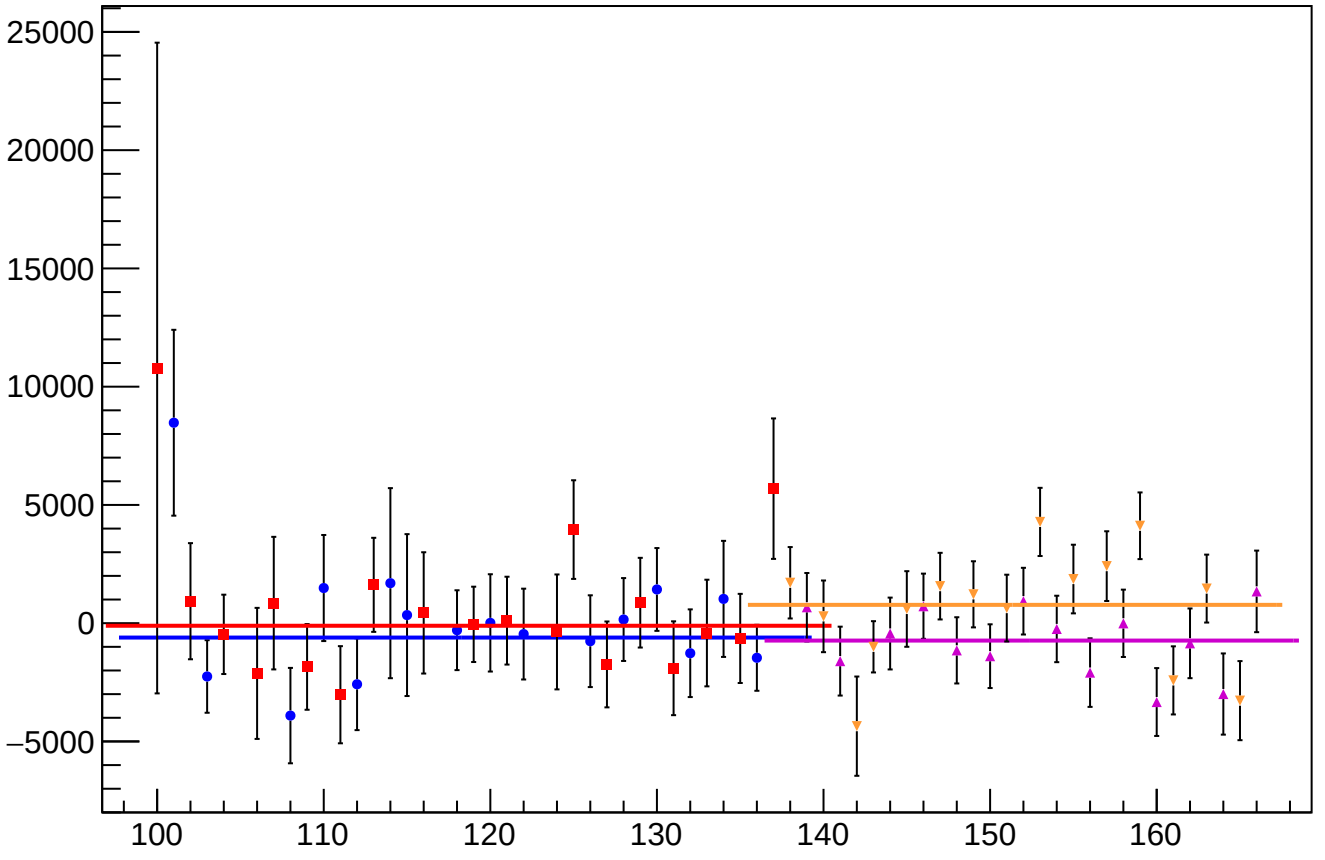
In: 1317.028+/-0.217 χ^2/NDF:532001.9/29

Out: 1289.477+/-0.210 χ^2/NDF:417083.4/33

All: 1302.821+/-0.151 χ^2/NDF: 957433.8/63


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -160.912+/-1182.786 χ²/NDF:19.1/14
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1203.062+/-1287.115 χ²/NDF:8.8/13
Left: -638.045+/-870.907 χ²/NDF: 28.3/28
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -71.428+/-842.381 χ²/NDF:36.0/33
All: -125.995+/-622.525 χ²/NDF: 60.2/63


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3918.319+/-0.836 χ²/NDF:1406365.2/14
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4293.404+/-0.910 χ²/NDF:678584.3/13
Left: 4090.046+/-0.616 χ²/NDF: 2177033.8/28
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3916.069+/-0.653 χ²/NDF:1408369.1/29
Out: 3560.511+/-0.596 χ²/NDF:2550288.0/33
All: 3721.888+/-0.440 χ²/NDF: 4120377.5/63



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

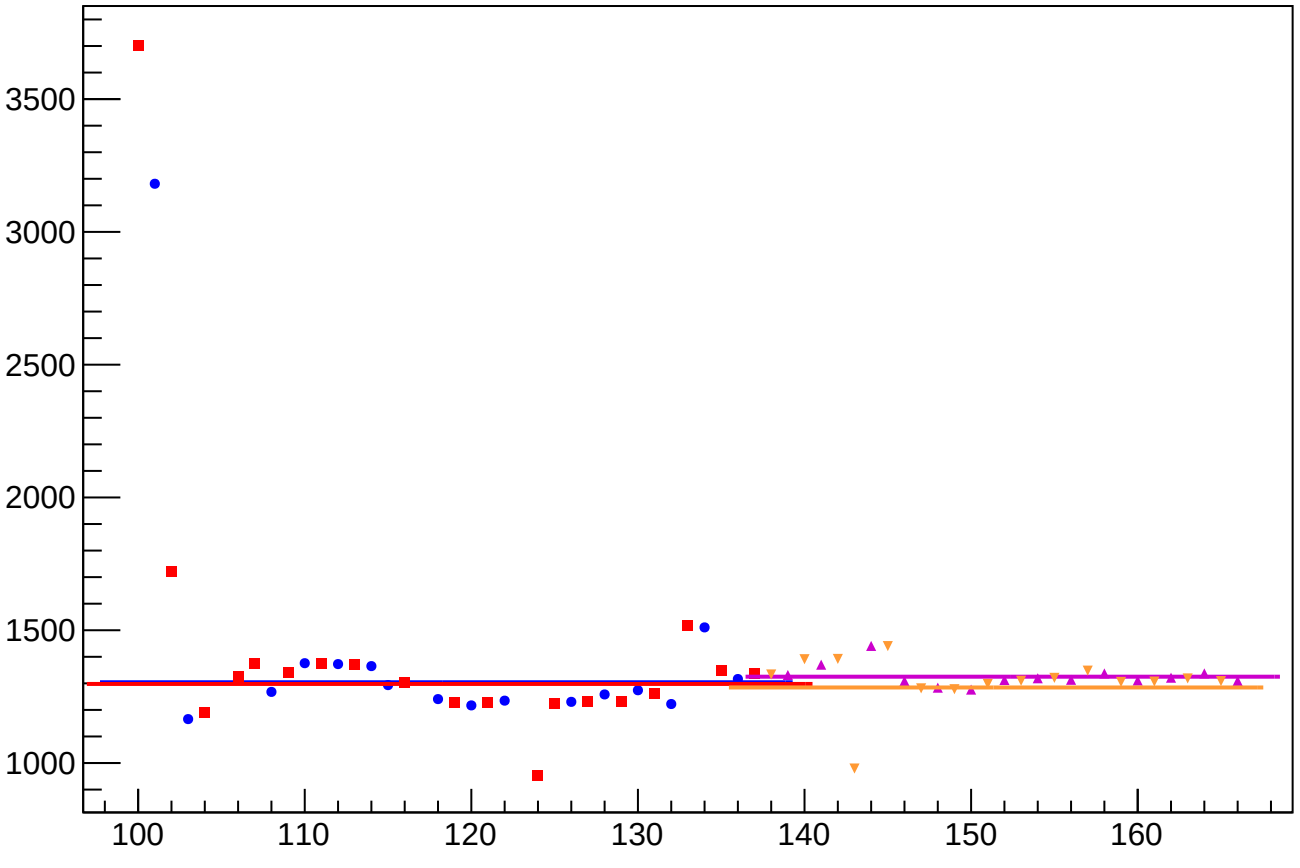
Left: 49.514+/-270.412 χ^2/NDF: 53.6/28

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.143 χ^2/NDF: 84.0/63



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.085+/-0.276 χ^2/NDF:19191.6/13

Left: 1304.000+/-0.191 χ^2/NDF: 233482.4/28

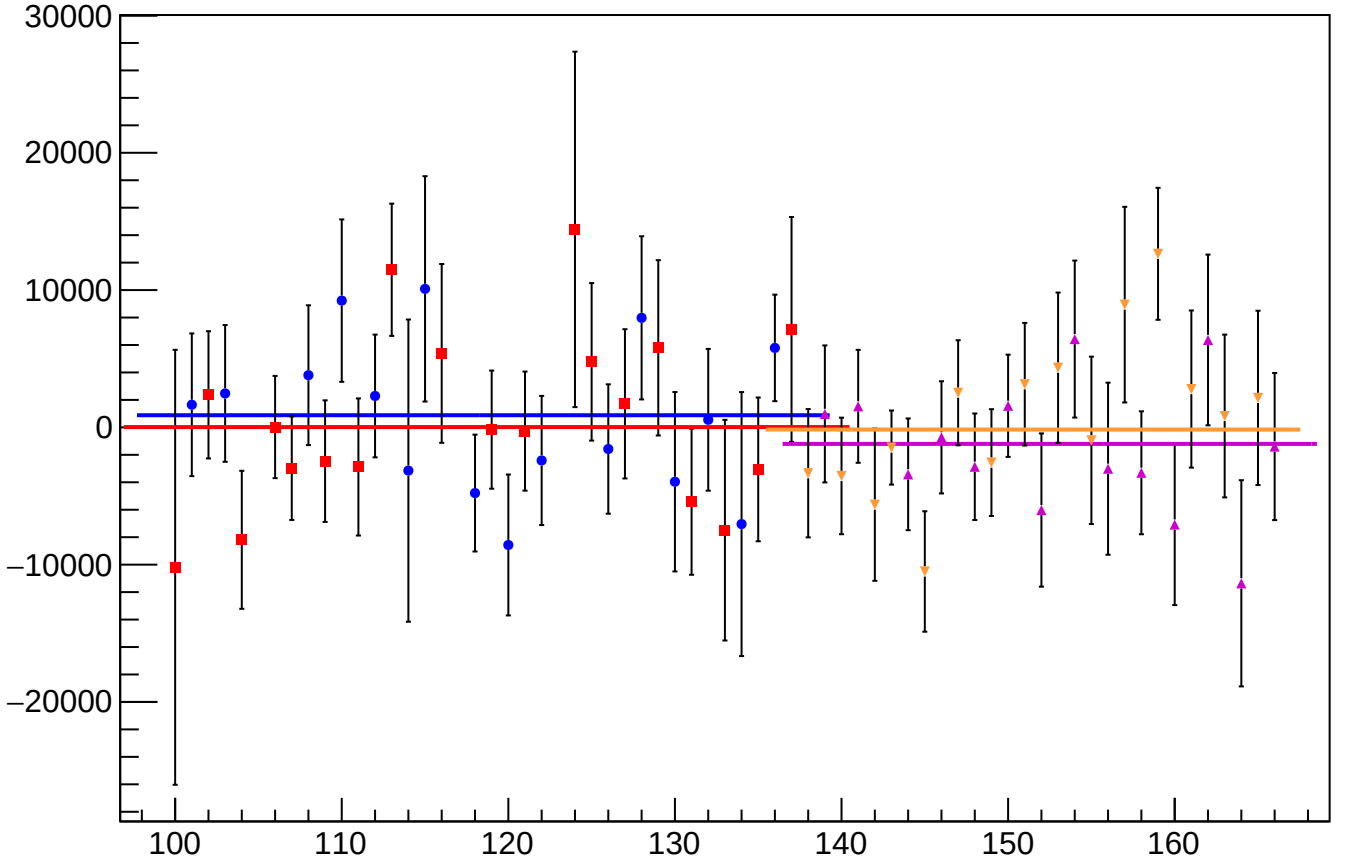
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1317.029+/-0.217 χ^2/NDF:532002.4/29

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.822+/-0.151 χ^2/NDF: 957435.0/63

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1203.061+/-1287.117 χ^2/NDF:8.8/13

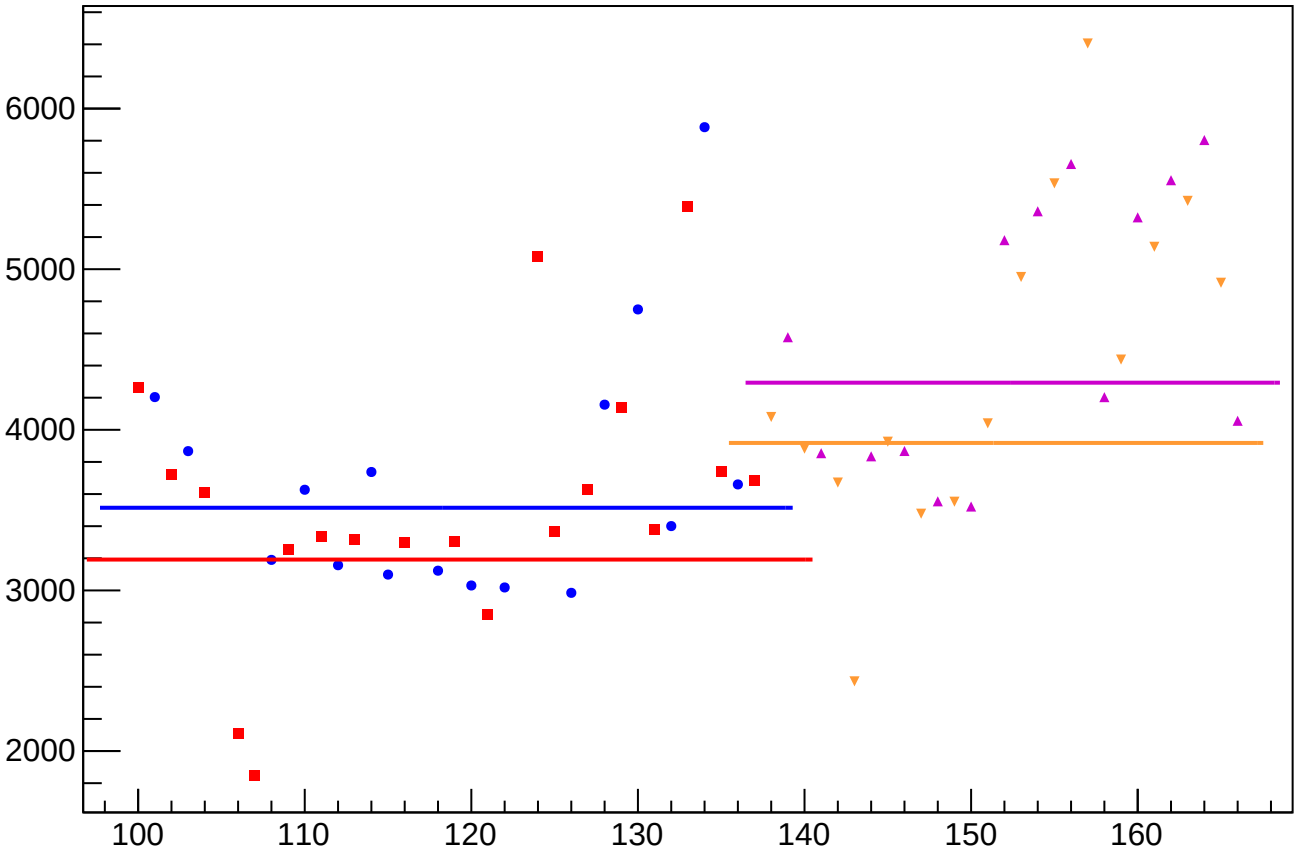
Left: -638.042+/-870.908 χ^2/NDF: 28.3/28

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -191.653+/-924.041 χ^2/NDF:24.2/29

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -125.995+/-622.525 χ^2/NDF: 60.2/63



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4293.410+/-0.910 χ^2/NDF:678585.8/13

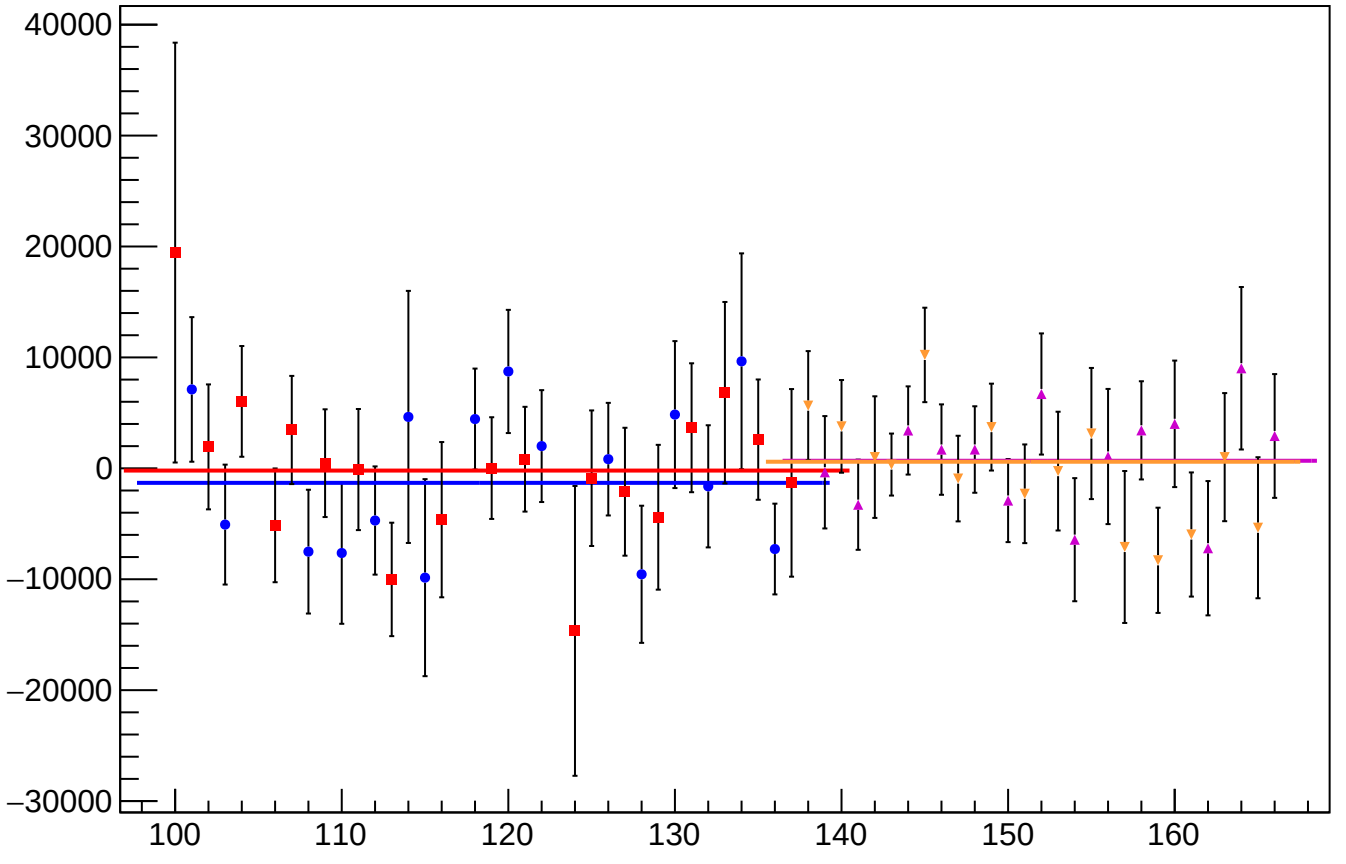
Left: 4090.052+/-0.616 χ^2/NDF: 2177037.0/28

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3916.067+/-0.653 χ^2/NDF:1408389.1/29

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3721.886+/-0.440 χ^2/NDF: 4120415.5/63



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

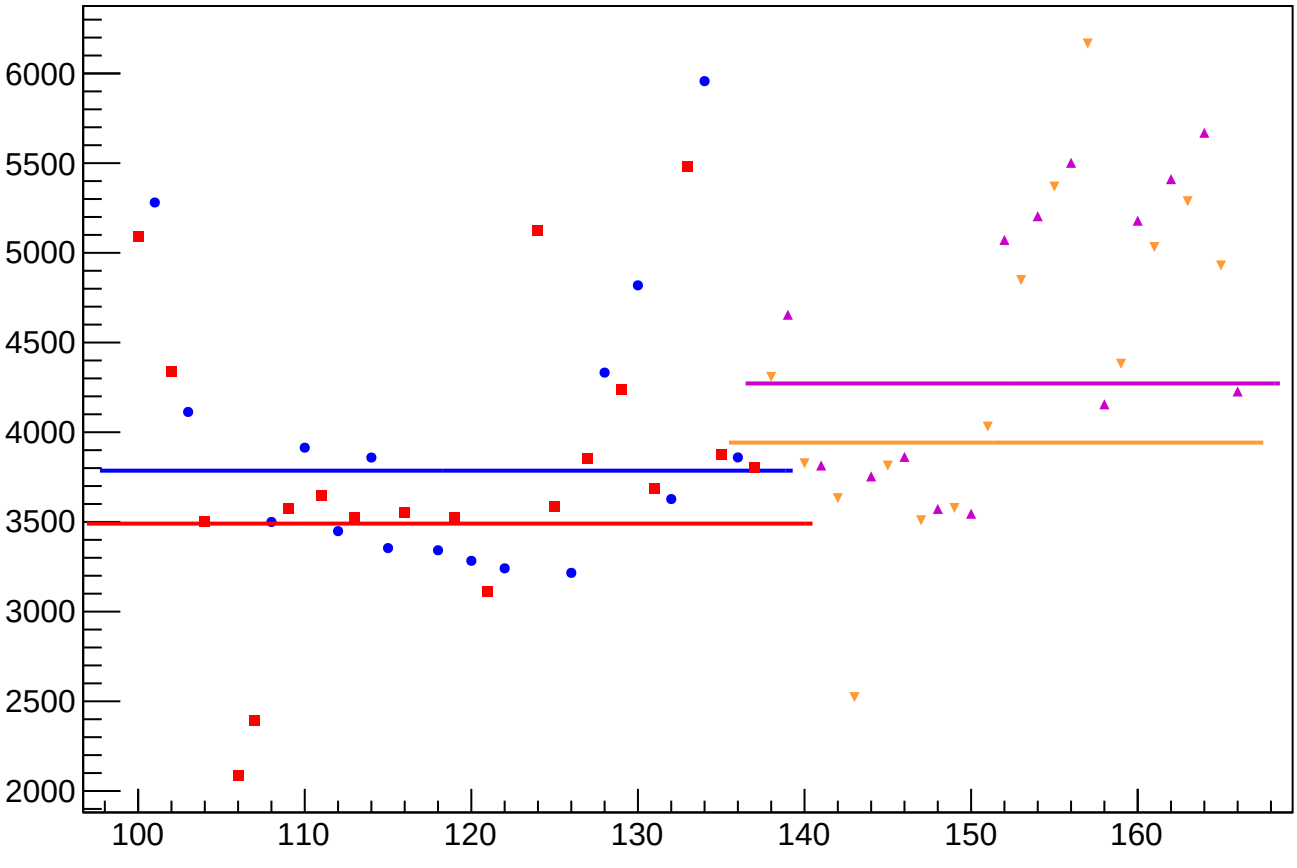
Left: 634.973+/-868.291 χ^2/NDF: 24.5/28

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: 38.087+/-648.954 χ^2/NDF: 55.1/63



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

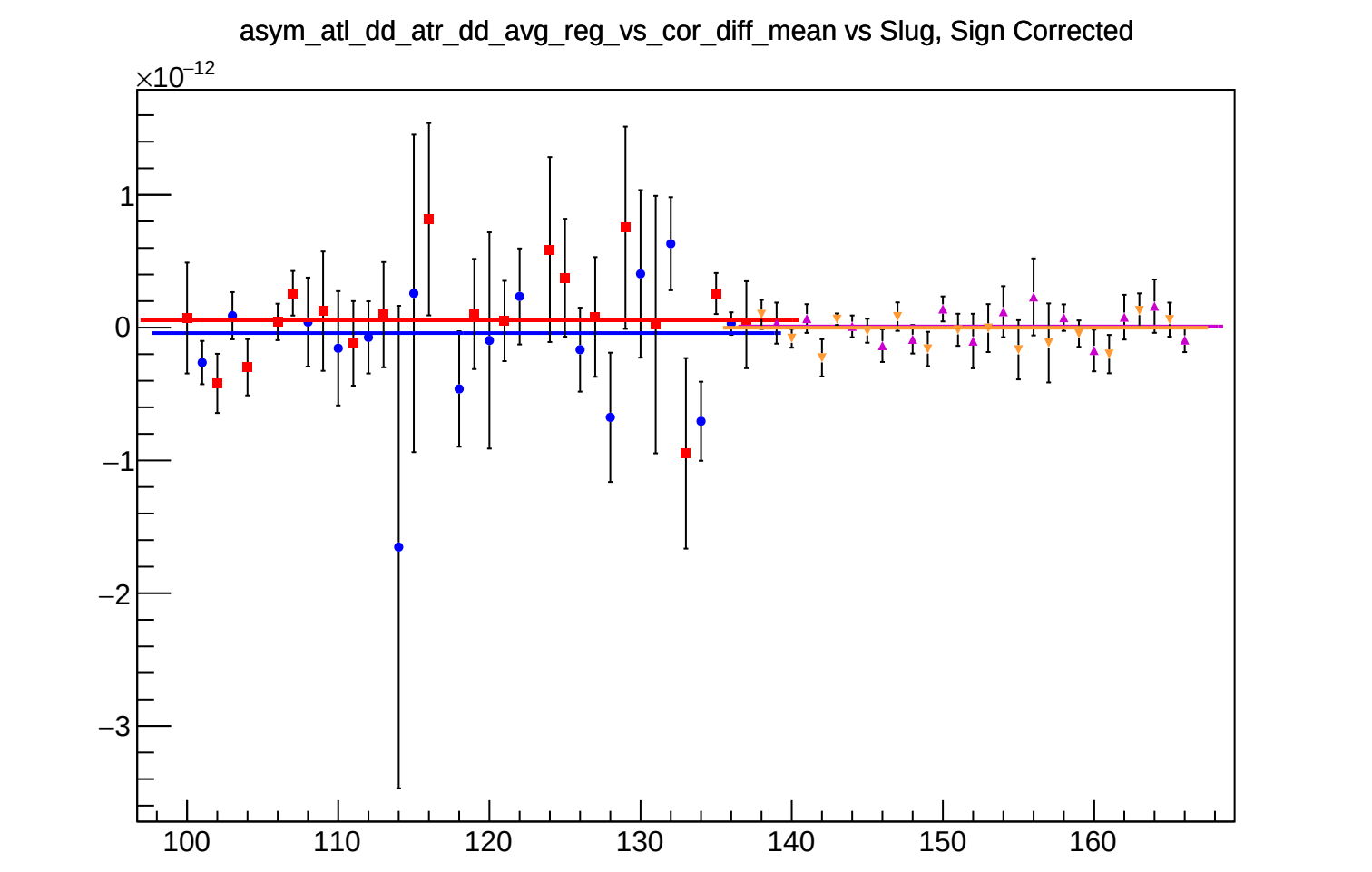
Left: 4094.508+/-0.614 χ^2/NDF: 1892982.7/28

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3885.998+/-0.457 χ^2/NDF: 3167852.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/13

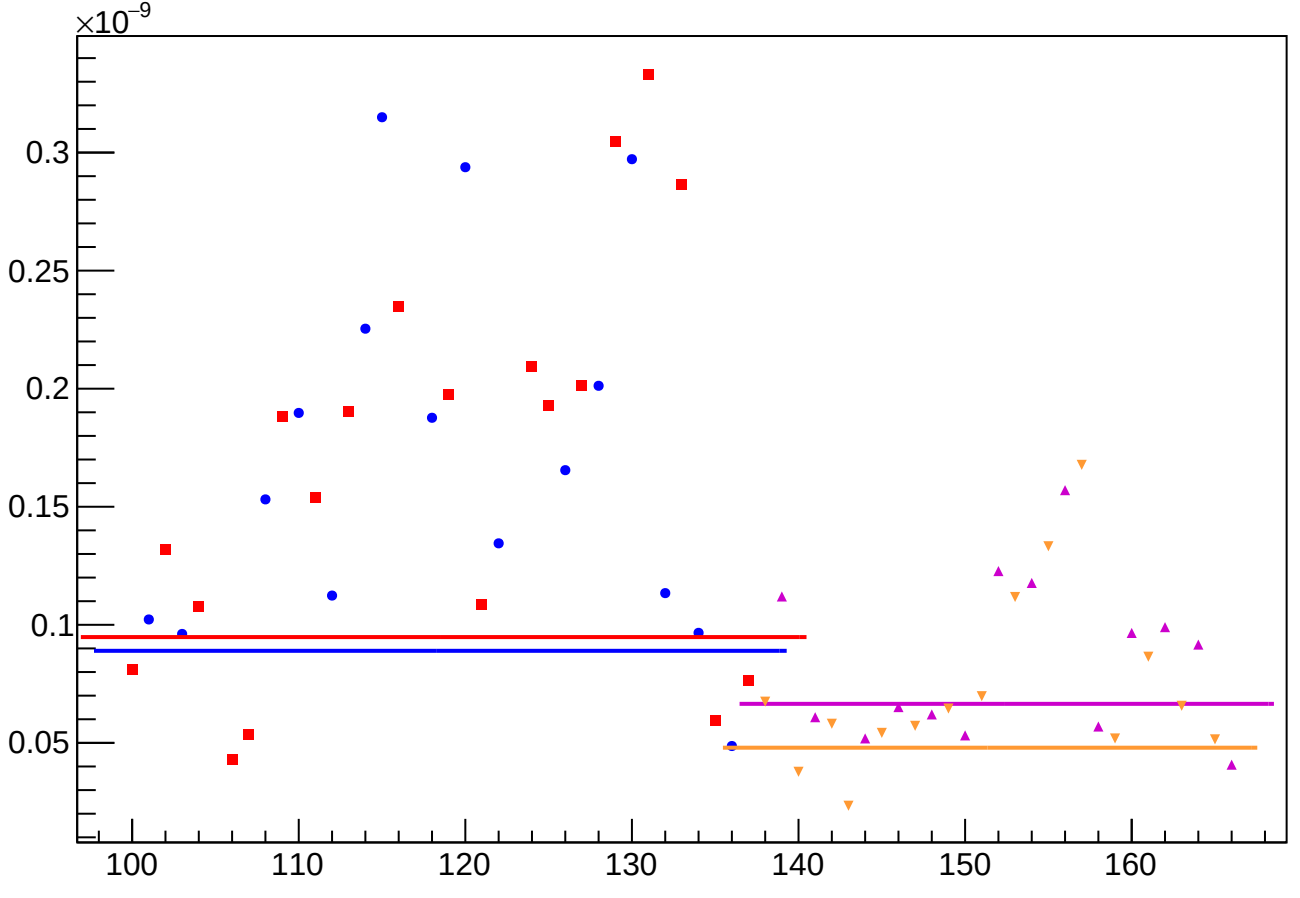
Left: 0.000+/-0.000 χ^2/NDF: 22.6/28

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:26.6/29

Out: 0.000+/-0.000 χ^2/NDF:29.6/33

All: 0.000+/-0.000 χ^2/NDF: 56.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1128190.6/13

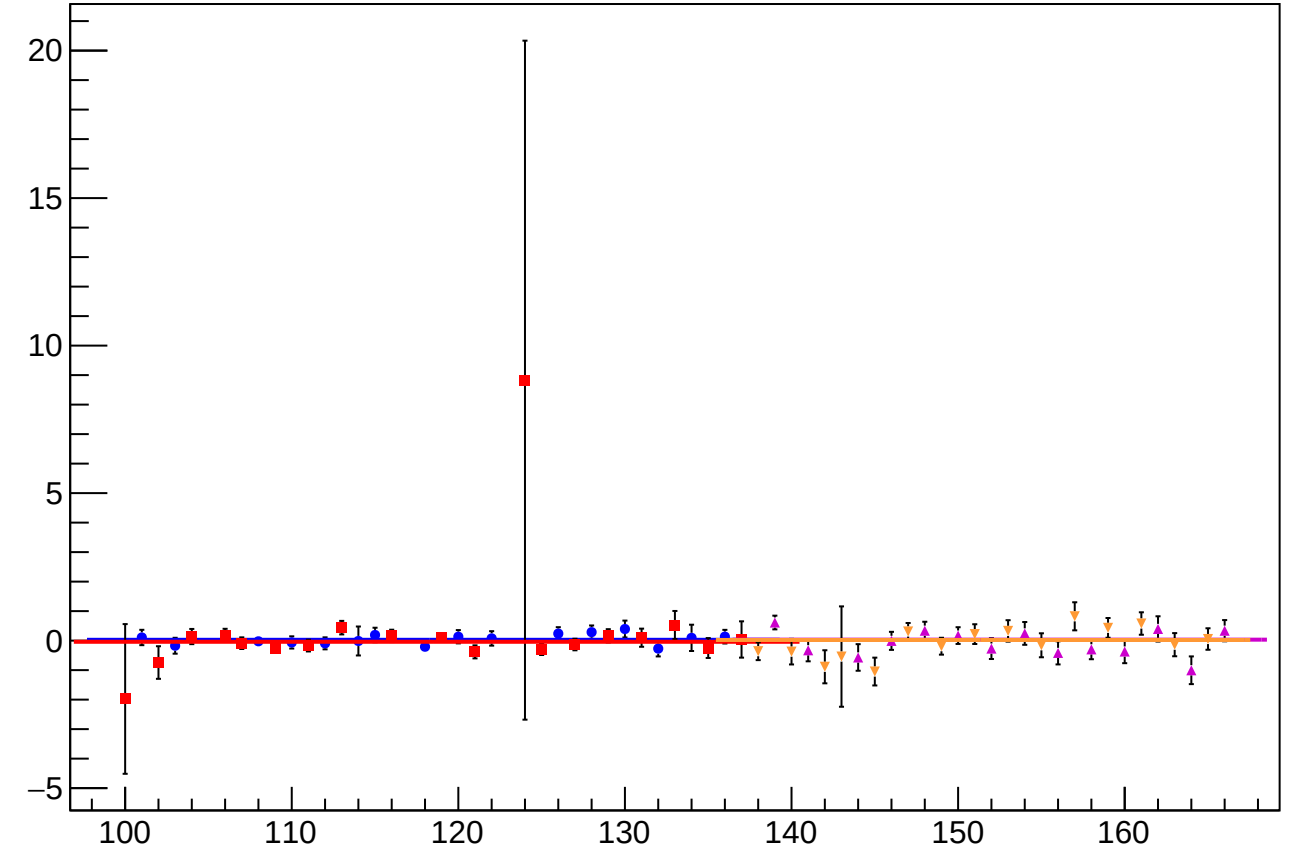
Left: 0.000+/-0.000 χ^2/NDF: 3440102.0/28

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2809987.2/29

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7819972.9/63



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

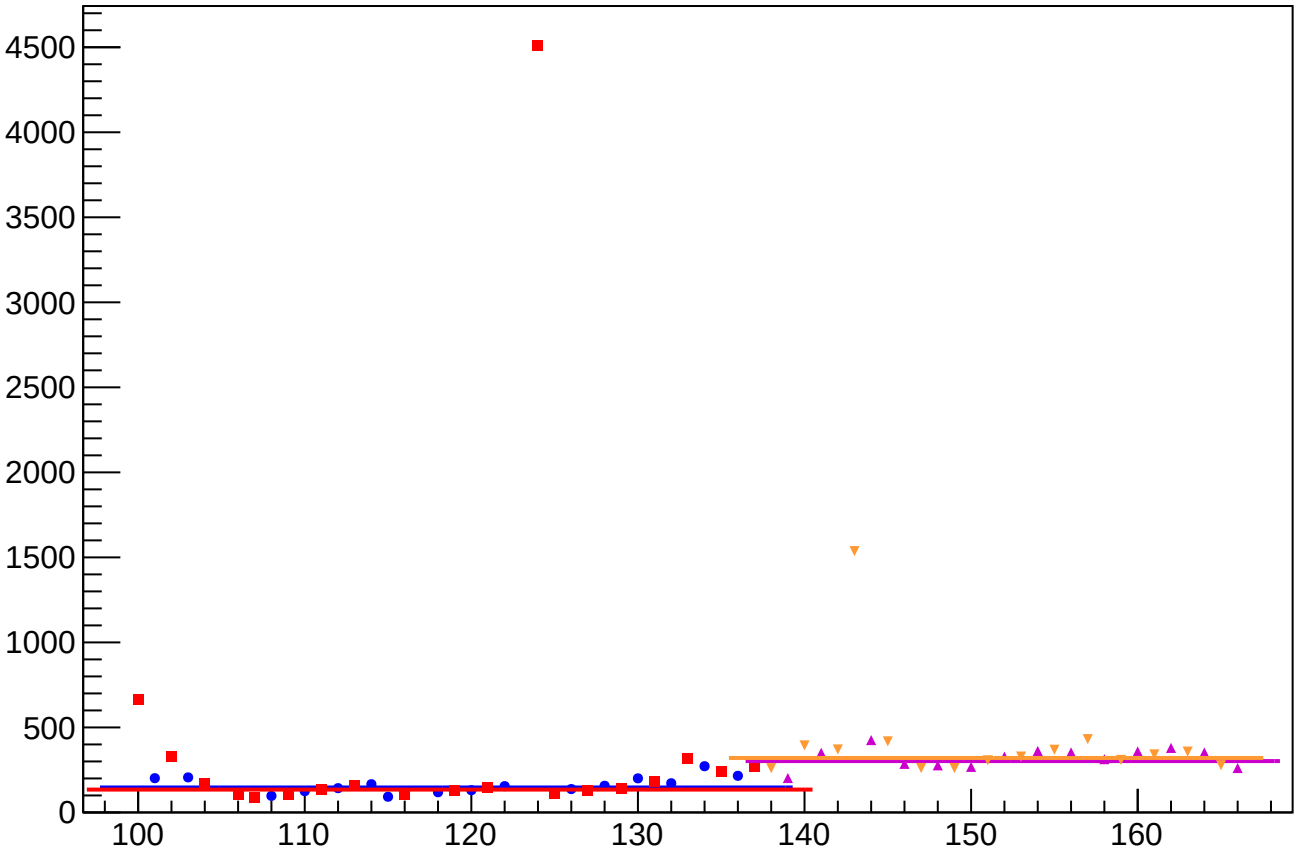
Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

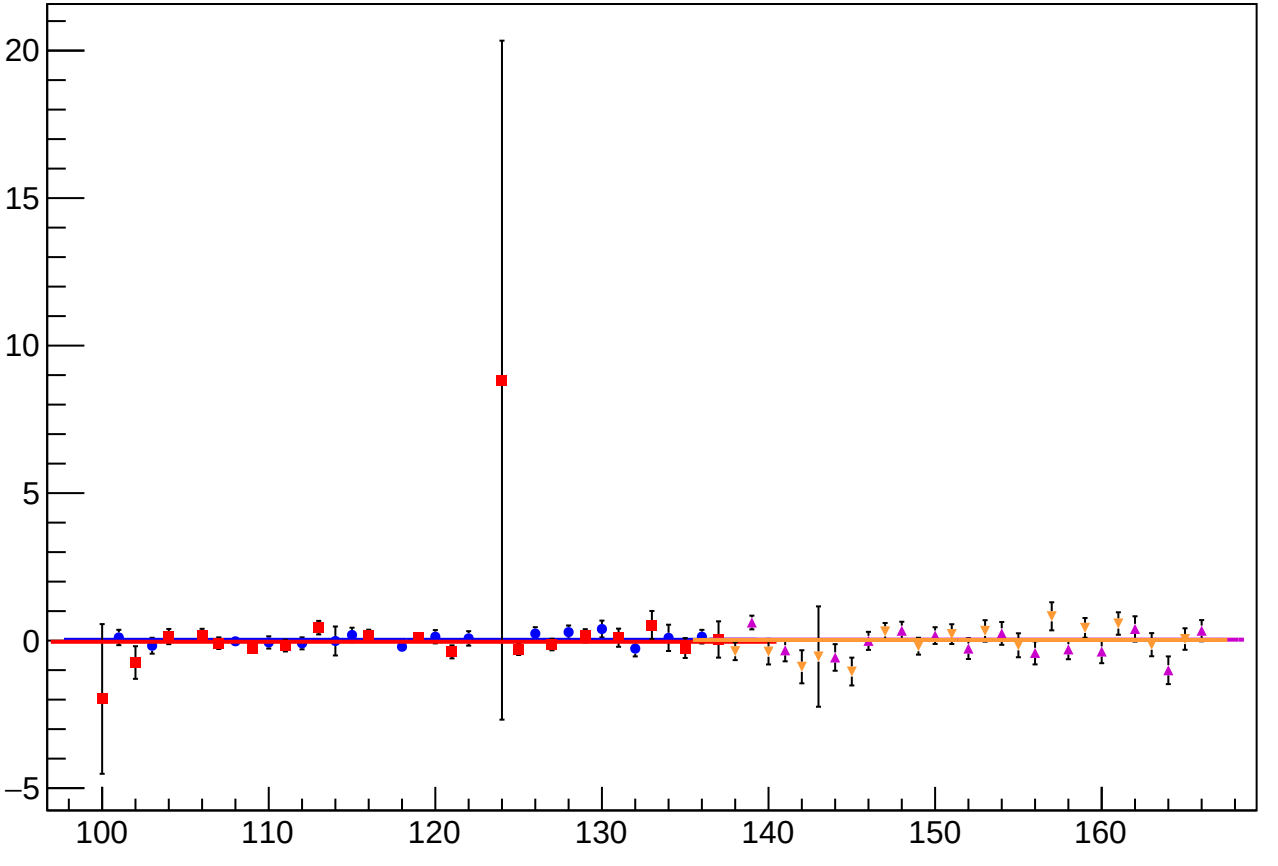
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

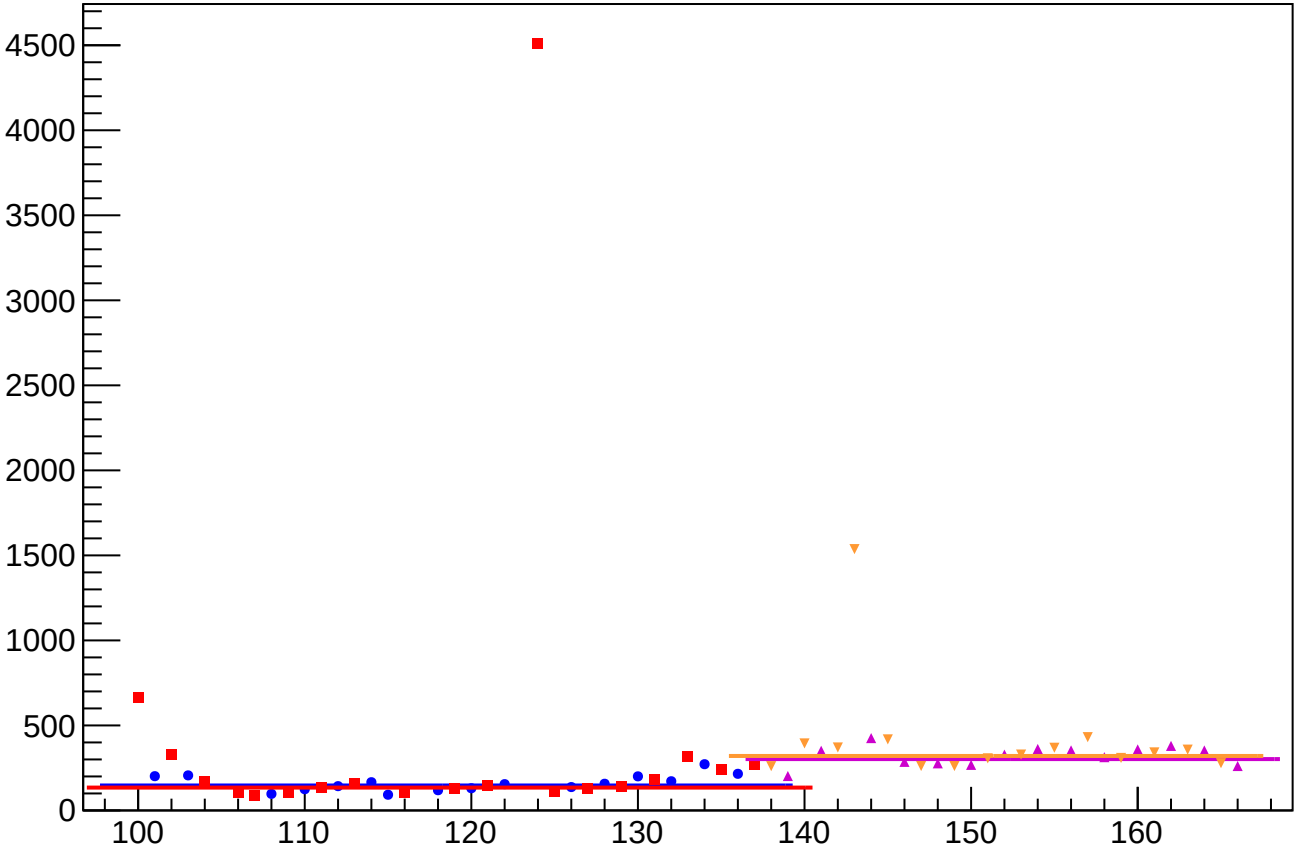
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

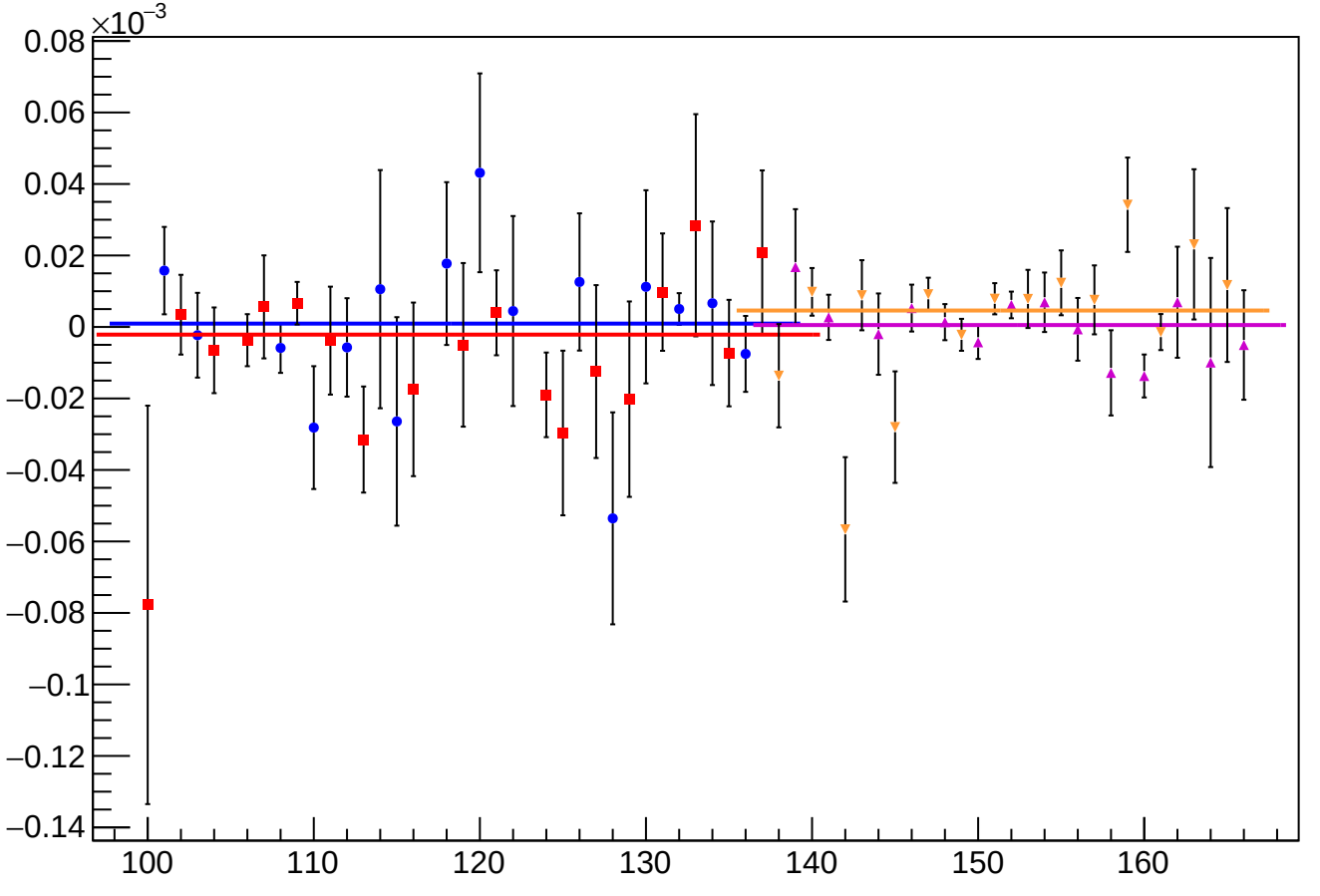
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

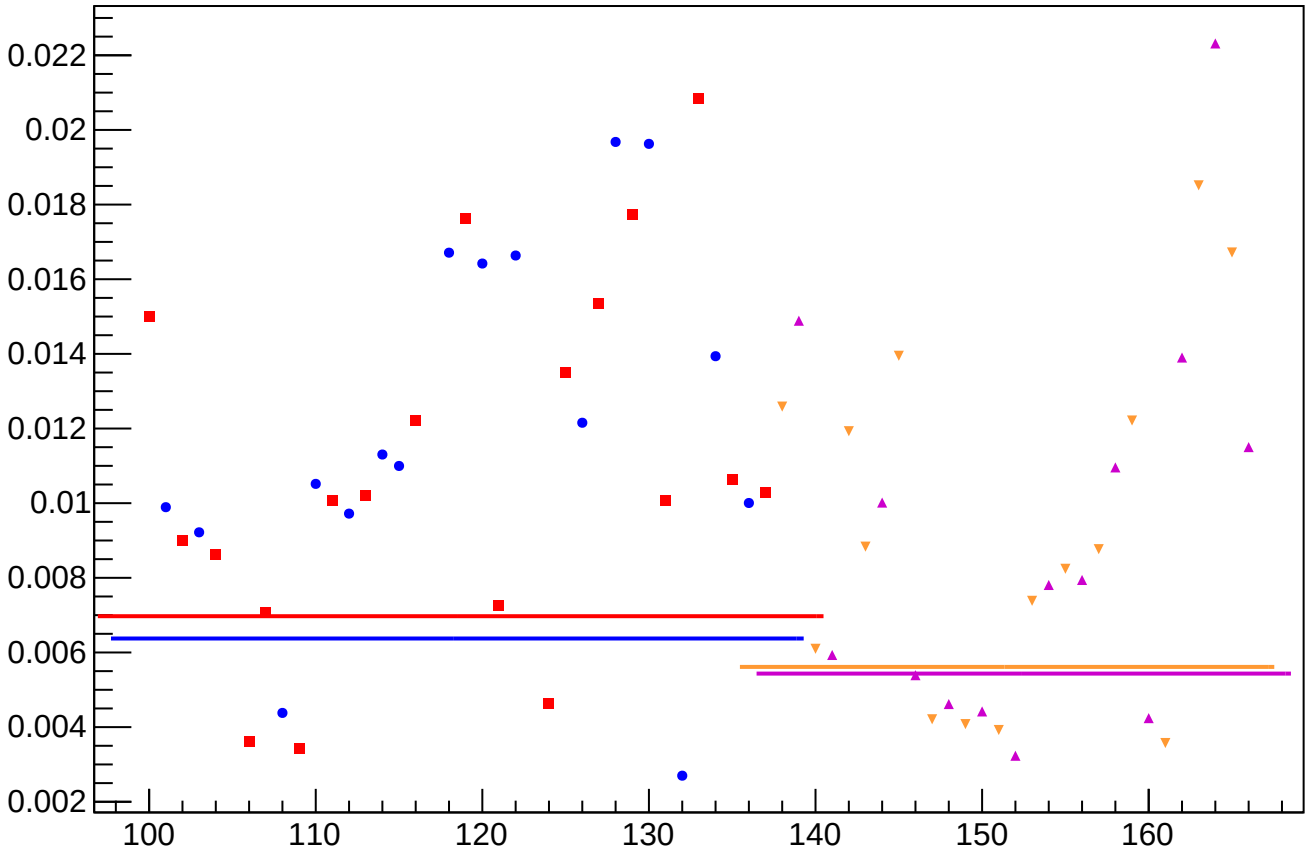
Left: 0.000+/-0.000 χ^2/NDF: 43.5/28

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: 0.000+/-0.000 χ^2/NDF:47.8/33

All: 0.000+/-0.000 χ^2/NDF: 76.5/63



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9046781.6/28

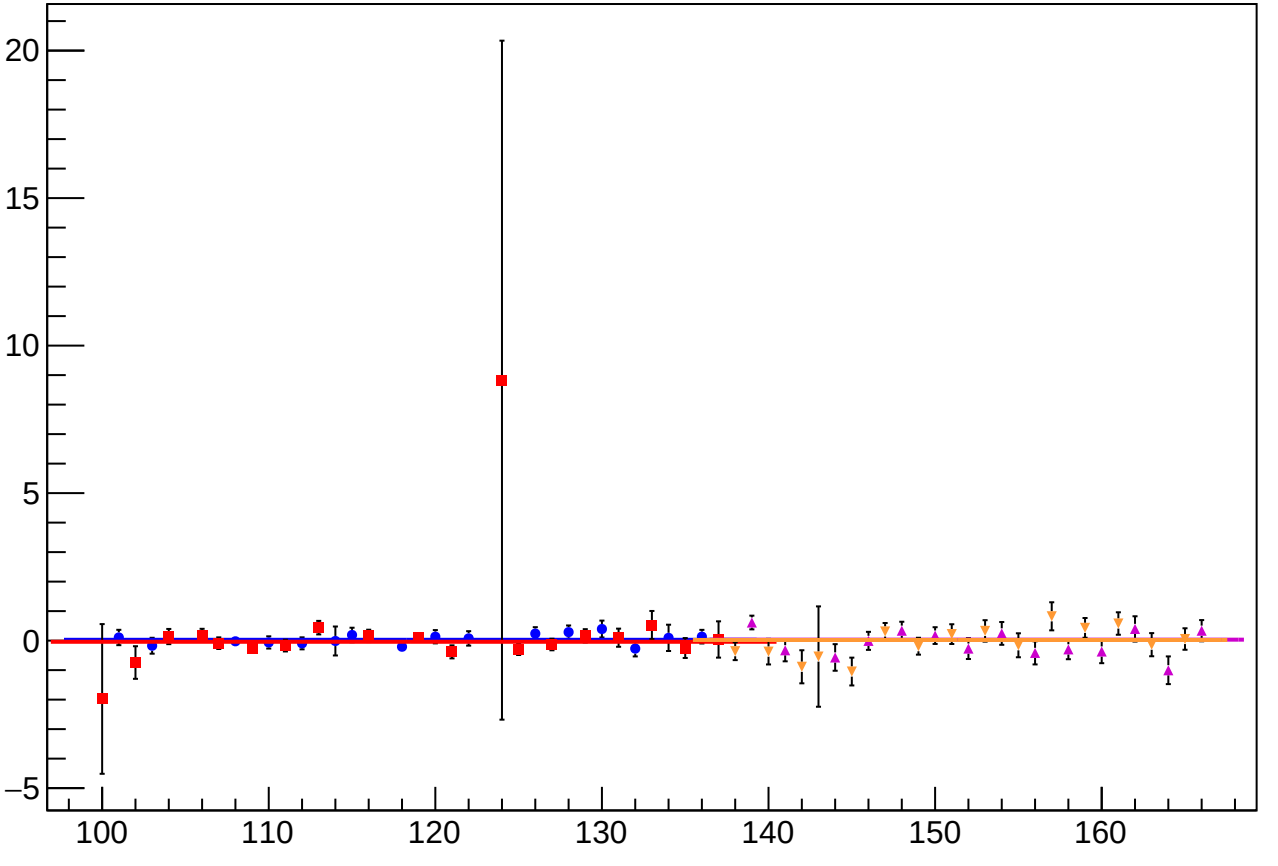
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17559769.8/63

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

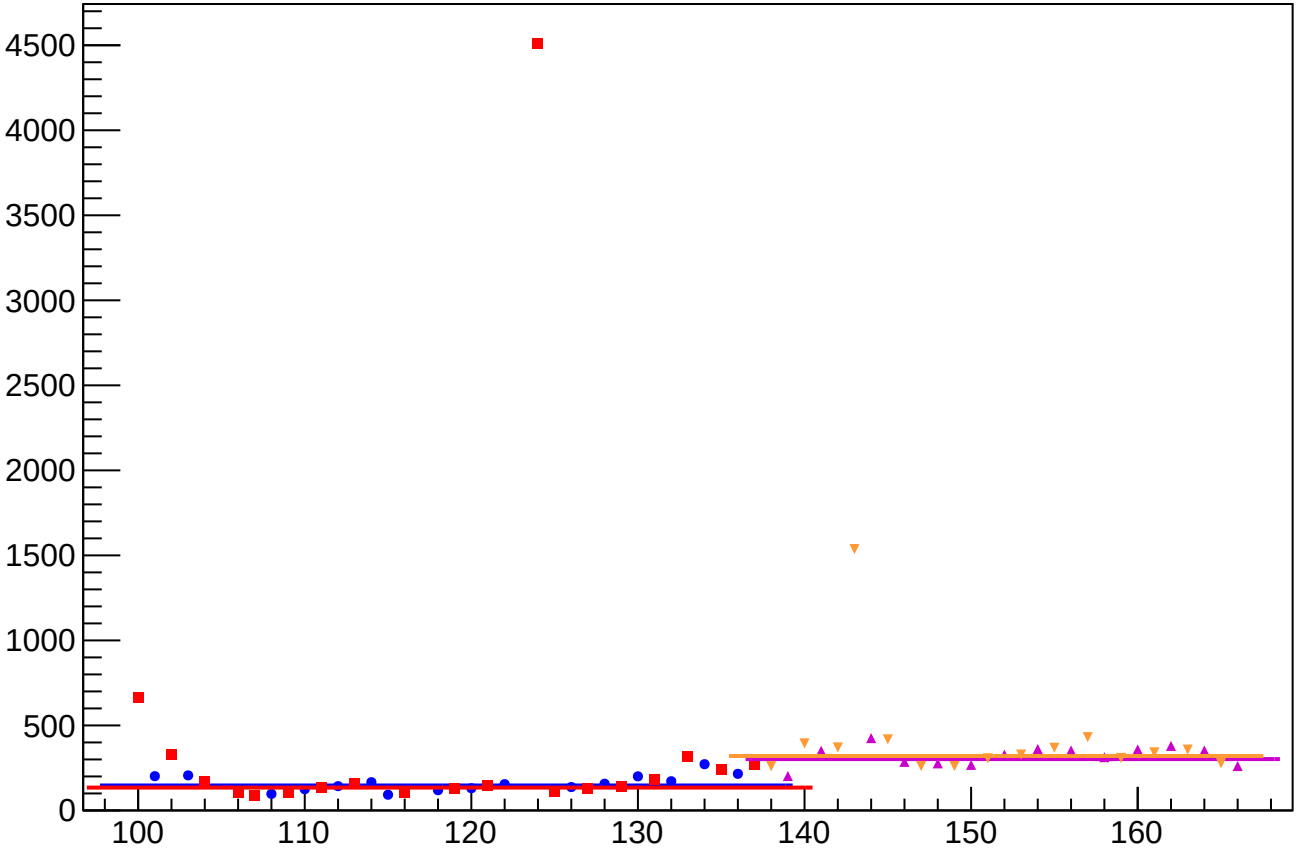
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

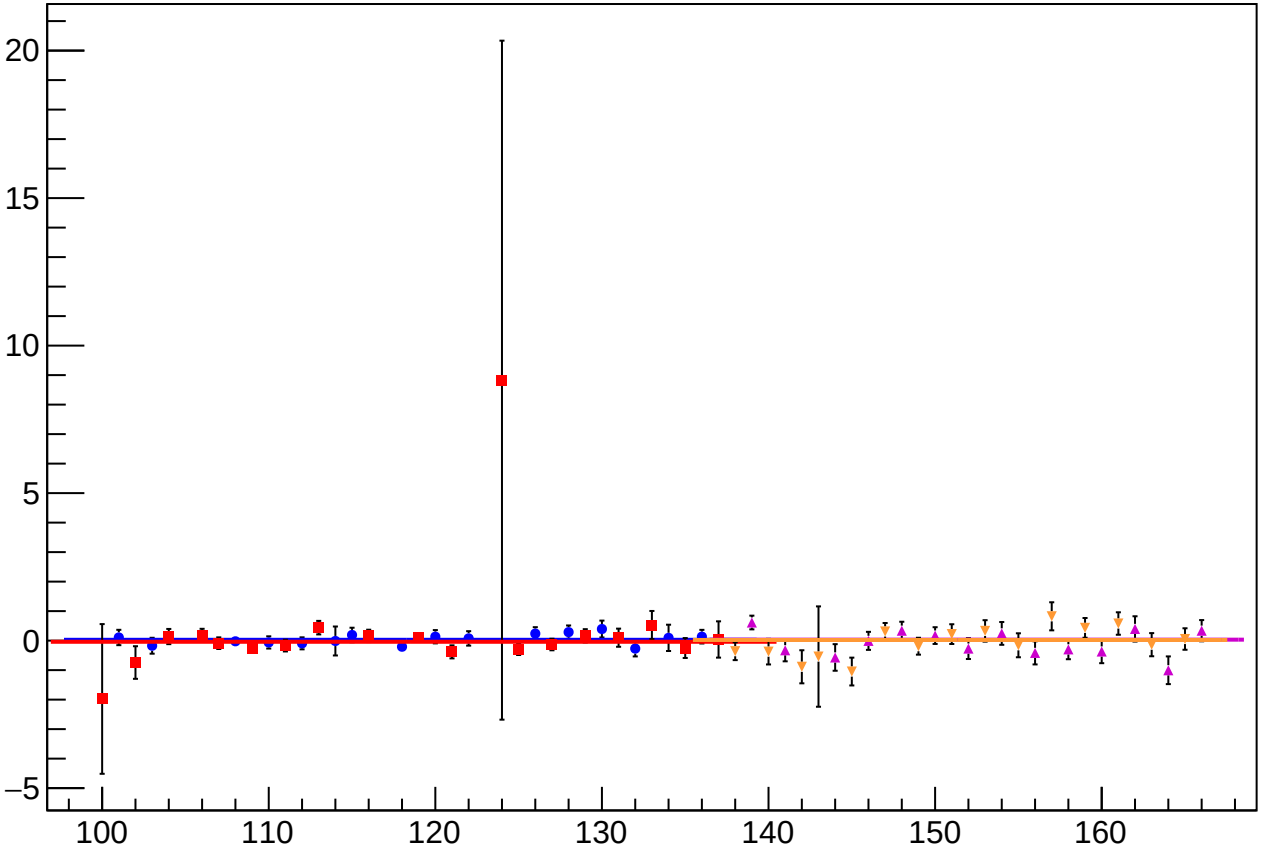
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

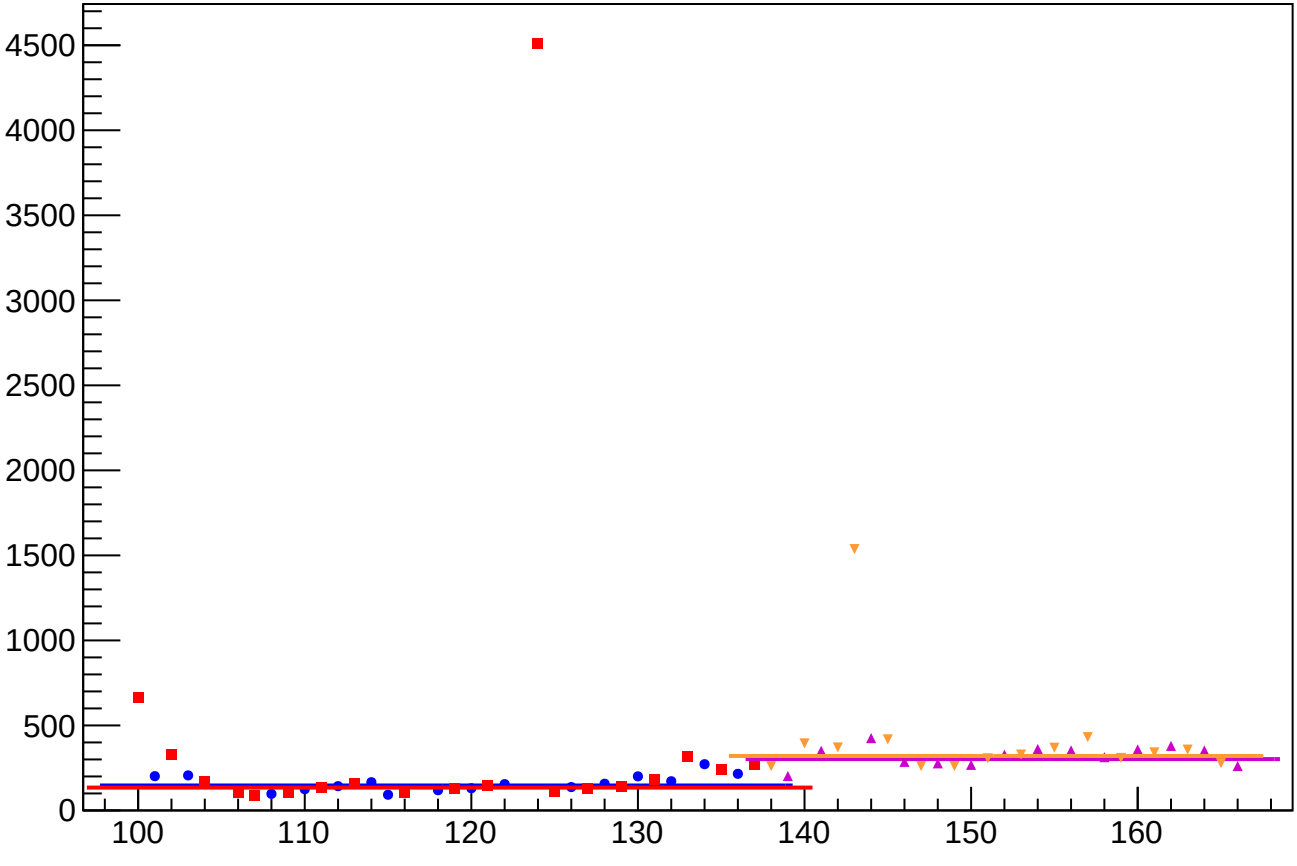
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

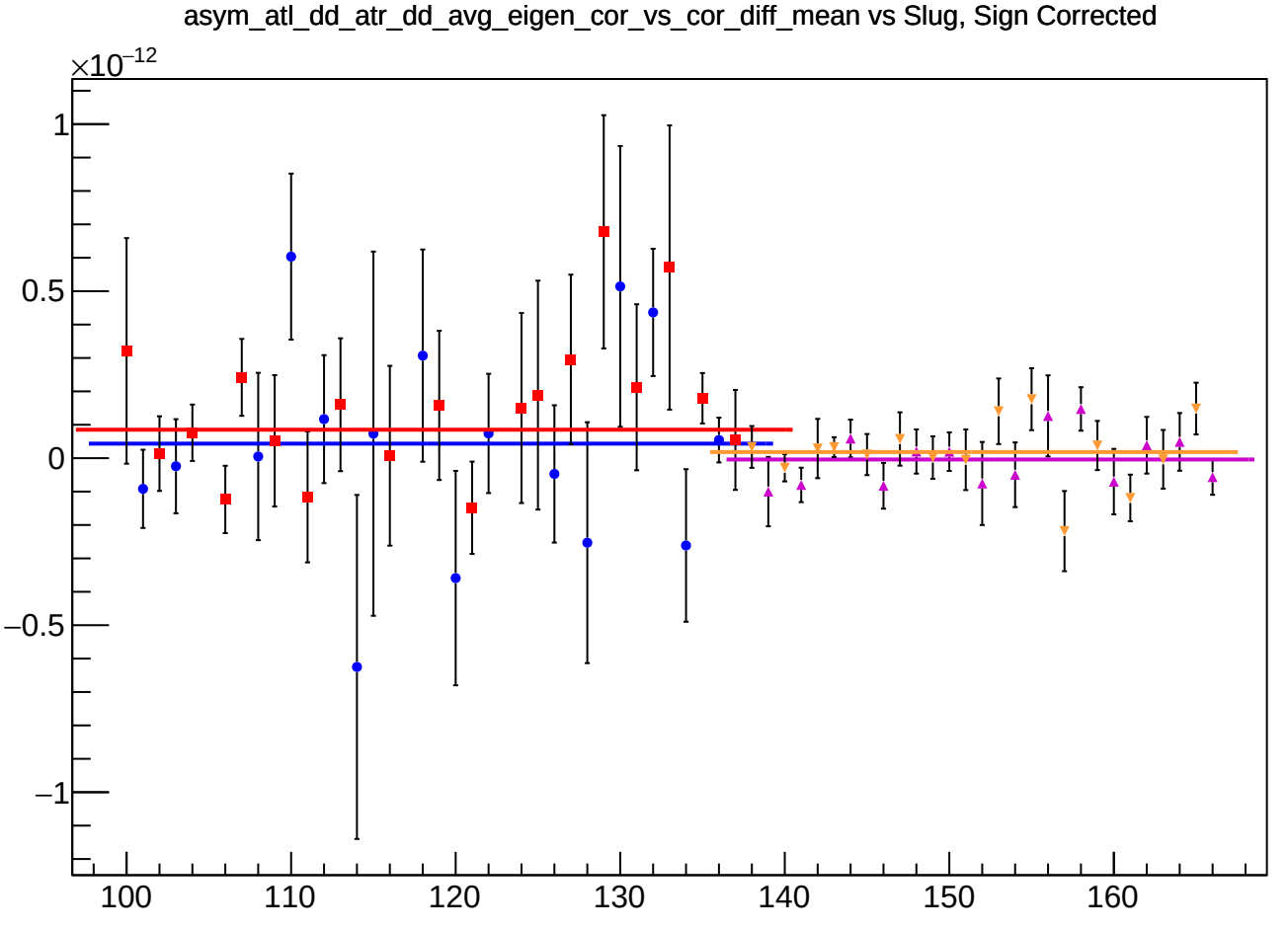
Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

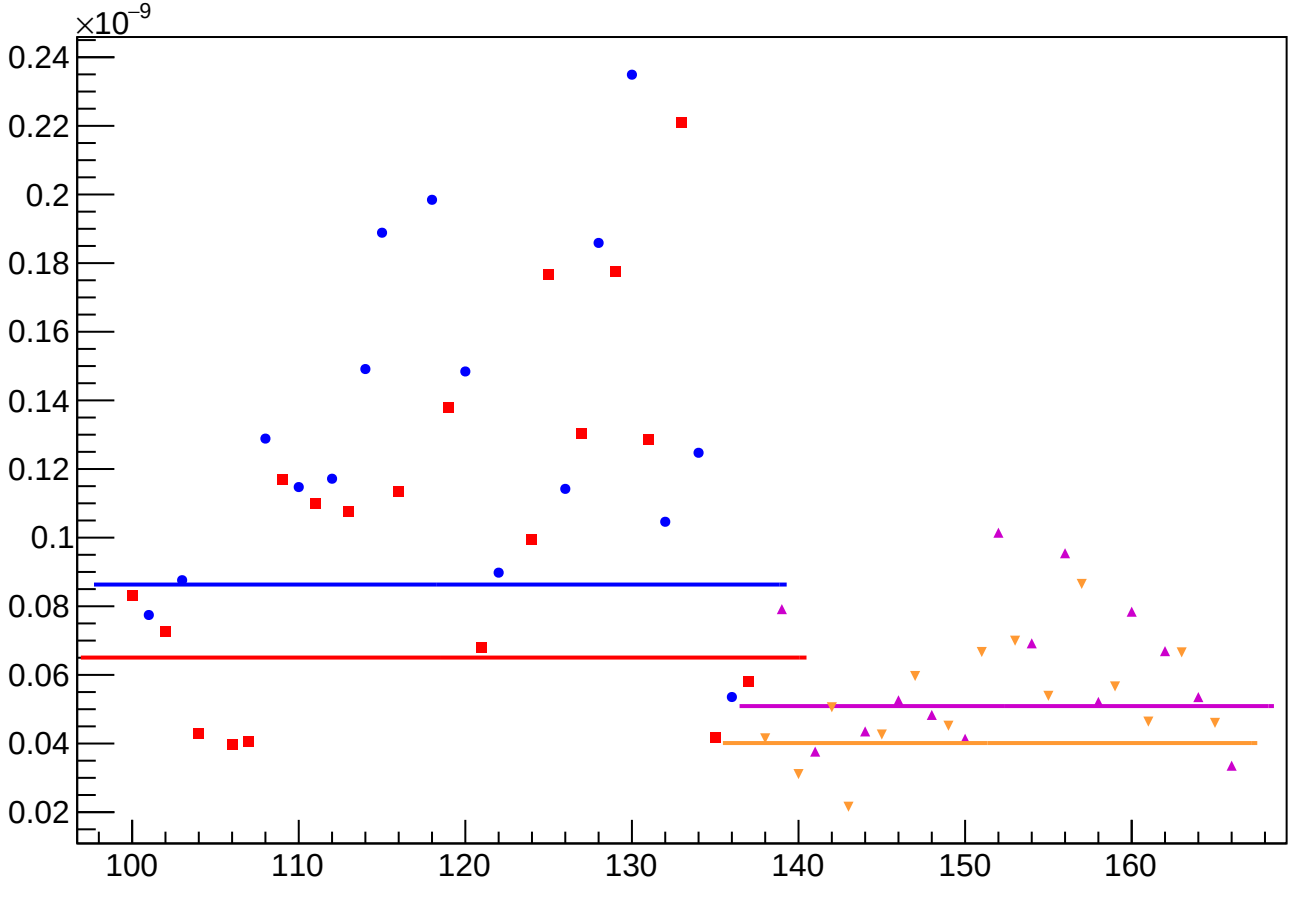
Left: 0.000+/-0.000 χ^2/NDF: 33.1/28

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1490918.5/13

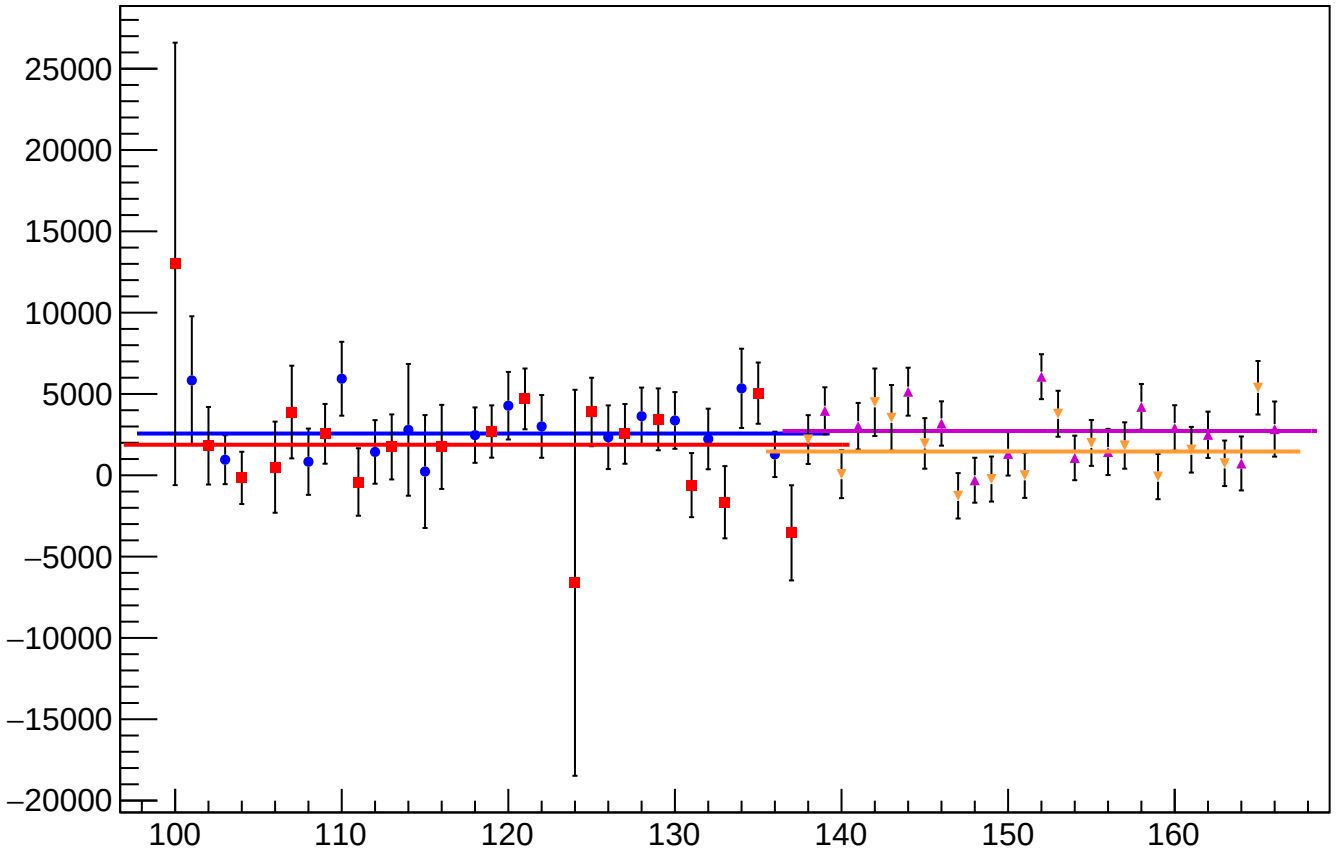
Left: 0.000+/-0.000 χ^2/NDF: 3915924.4/28

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4200915.6/29

Out: 0.000+/-0.000 χ^2/NDF:5080077.4/33

All: 0.000+/-0.000 χ^2/NDF: 9857416.4/63



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.667+/-384.926 χ^2/NDF:20.9/14

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2724.002+/-382.705 χ^2/NDF:20.2/13

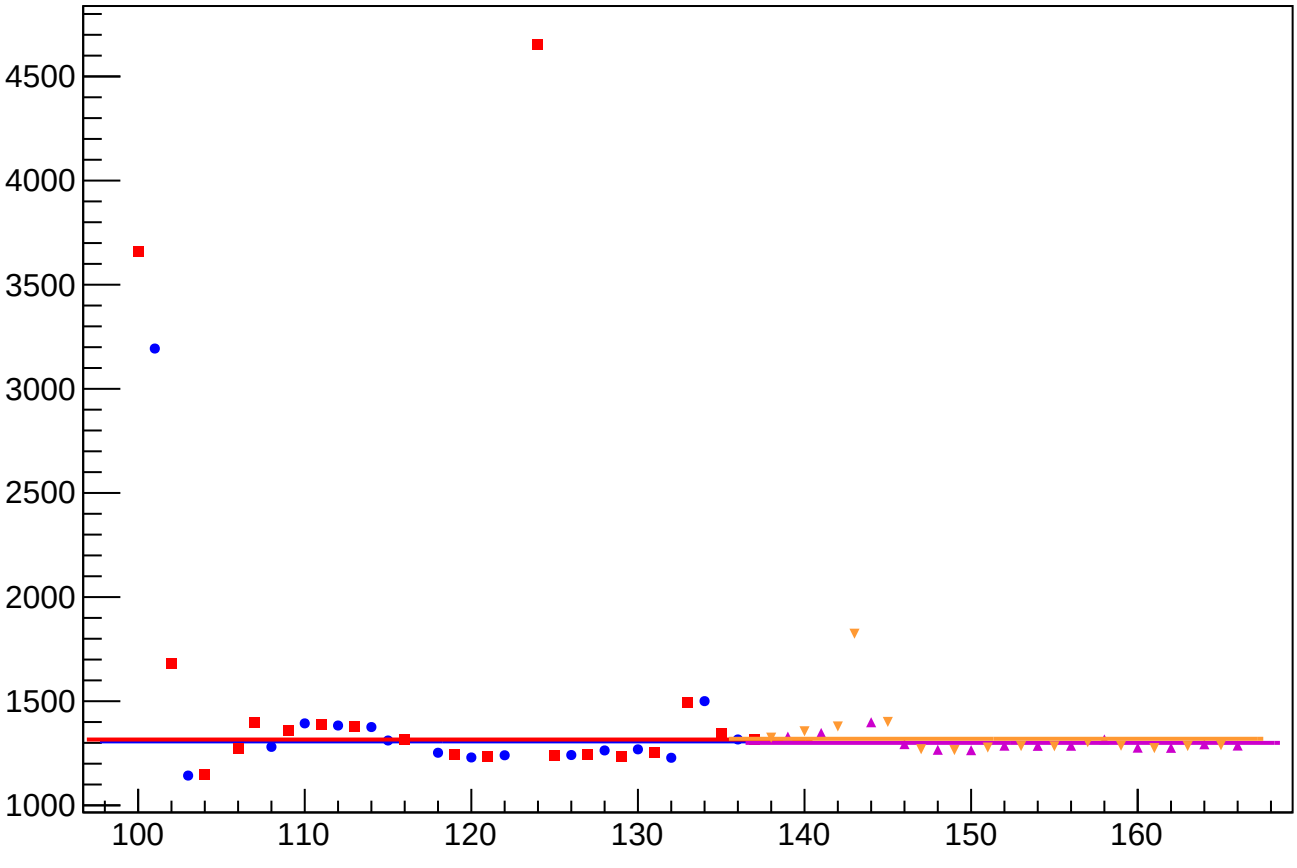
Left: 2096.984+/-271.395 χ^2/NDF: 46.5/28

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2665.491+/-302.851 χ^2/NDF:29.3/29

Out: 1619.300+/-303.799 χ^2/NDF:40.9/33

All: 2144.030+/-214.483 χ^2/NDF: 76.2/63



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

Left: 1309.729+/-0.192 χ^2/NDF: 168015.4/28

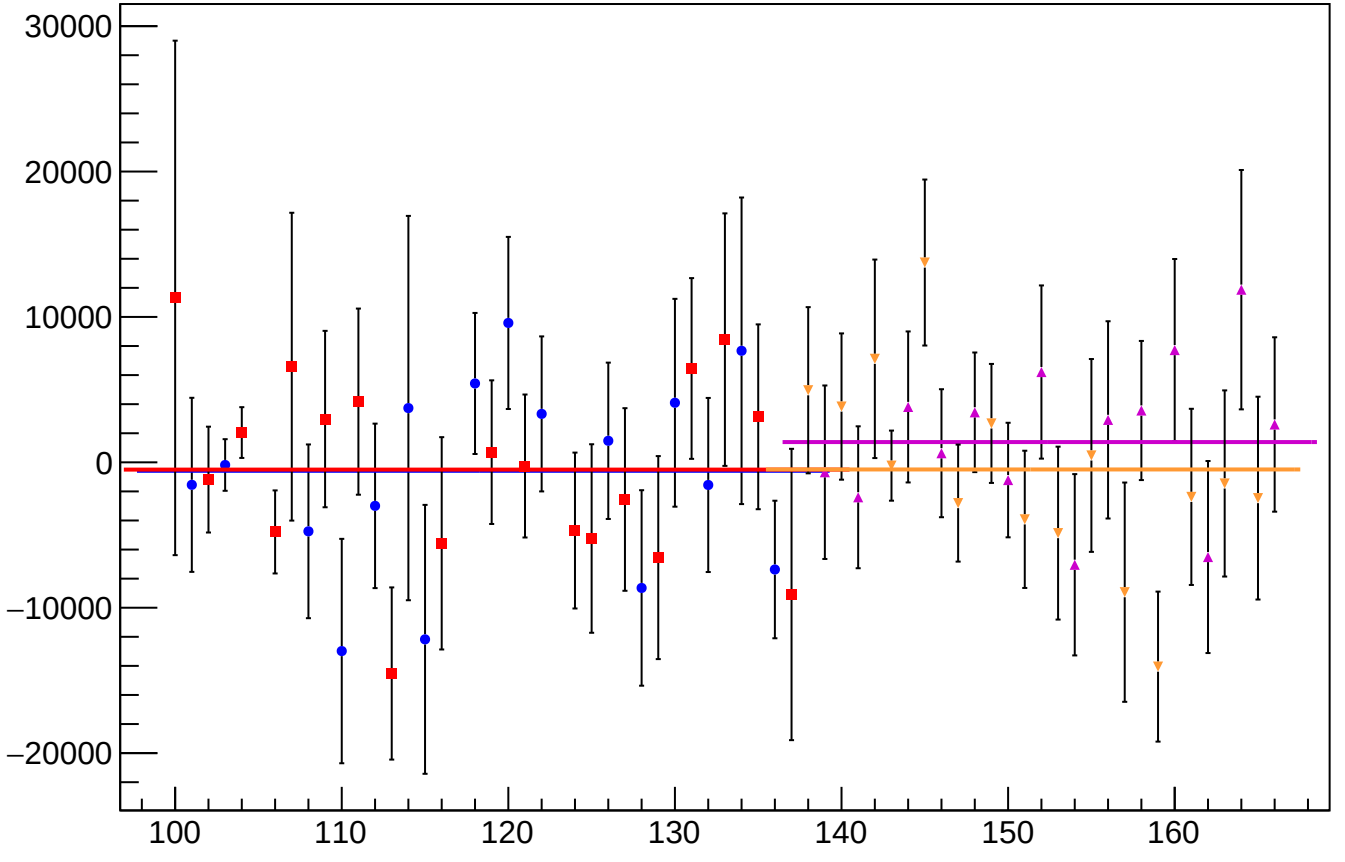
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1302.612+/-0.214 χ^2/NDF:533266.4/29

Out: 1318.250+/-0.215 χ^2/NDF:475117.5/33

All: 1310.415+/-0.152 χ^2/NDF: 1011044.6/63

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -490.413+/-1250.879 χ^2/NDF:19.5/14

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1393.435+/-1424.804 χ^2/NDF:8.5/13

Left: 329.572+/-940.016 χ^2/NDF: 29.0/28

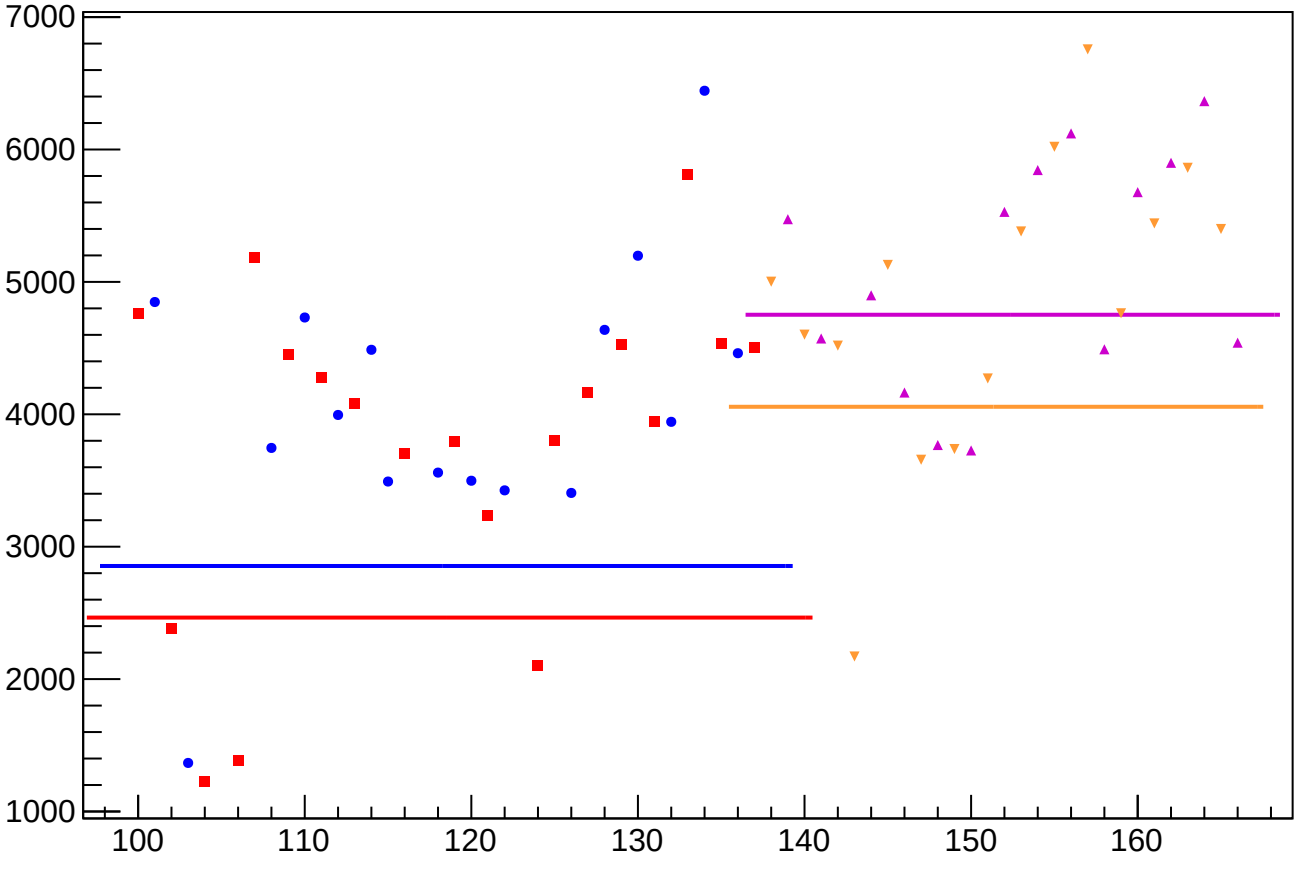
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 232.168+/-914.635 χ^2/NDF:24.4/29

Out: -496.070+/-806.658 χ^2/NDF:37.2/33

All: -177.455+/-604.985 χ^2/NDF: 61.9/63

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4056.800+/-0.885 χ^2/NDF:2324057.1/14

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4751.862+/-1.007 χ^2/NDF:685440.3/13

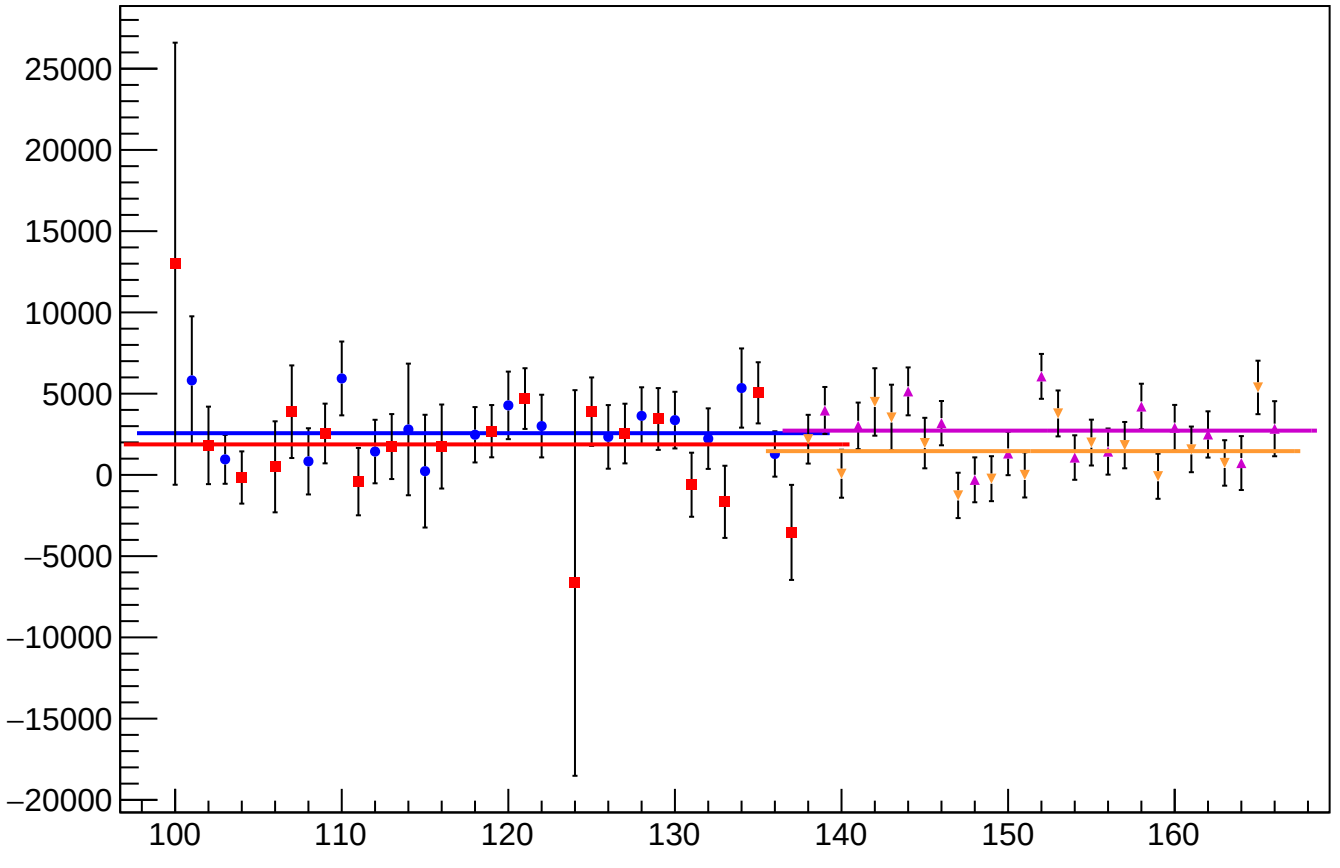
Left: 4359.340+/-0.665 χ^2/NDF: 3278283.7/28

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3636.254+/-0.647 χ^2/NDF:5675844.6/29

Out: 3126.729+/-0.570 χ^2/NDF:7572847.7/33

All: 3349.654+/-0.428 χ^2/NDF: 13597813.4/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2724.088+/-382.705 χ^2/NDF:20.2/13

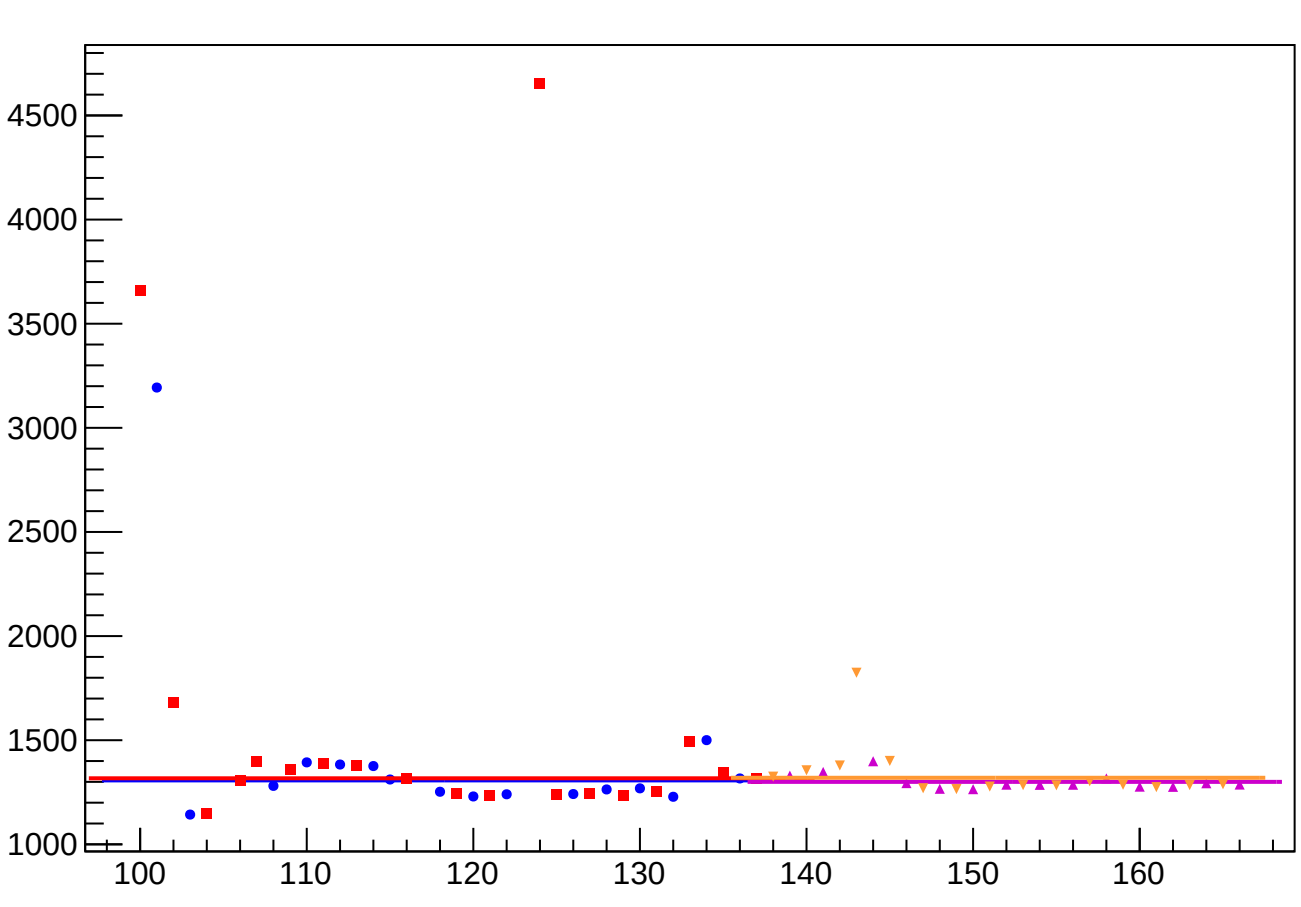
Left: 2097.001+/-271.395 χ^2/NDF: 46.6/28

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2665.440+/-302.851 χ^2/NDF:29.3/29

Out: 1619.171+/-303.799 χ^2/NDF:40.9/33

All: 2143.940+/-214.483 χ^2/NDF: 76.2/63



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

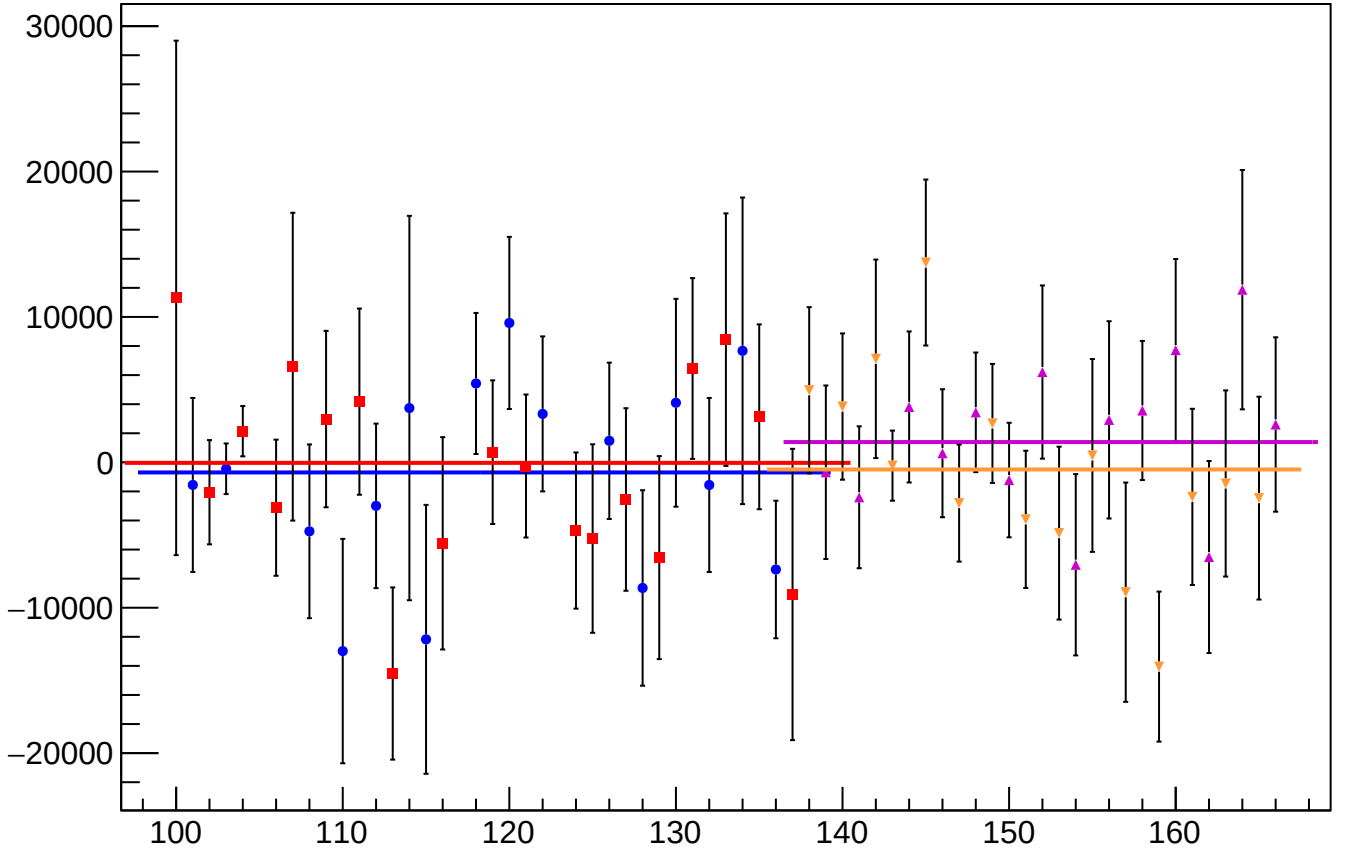
Left: 1309.729+/-0.192 χ^2/NDF: 168015.4/28

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1302.612+/-0.214 χ^2/NDF:533267.9/29

Out: 1318.678+/-0.215 χ^2/NDF:474589.0/33

All: 1310.626+/-0.152 χ^2/NDF: 1010664.5/63



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -490.418+/-1250.874 χ^2/NDF:19.5/14

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1393.527+/-1424.804 χ^2/NDF:8.5/13

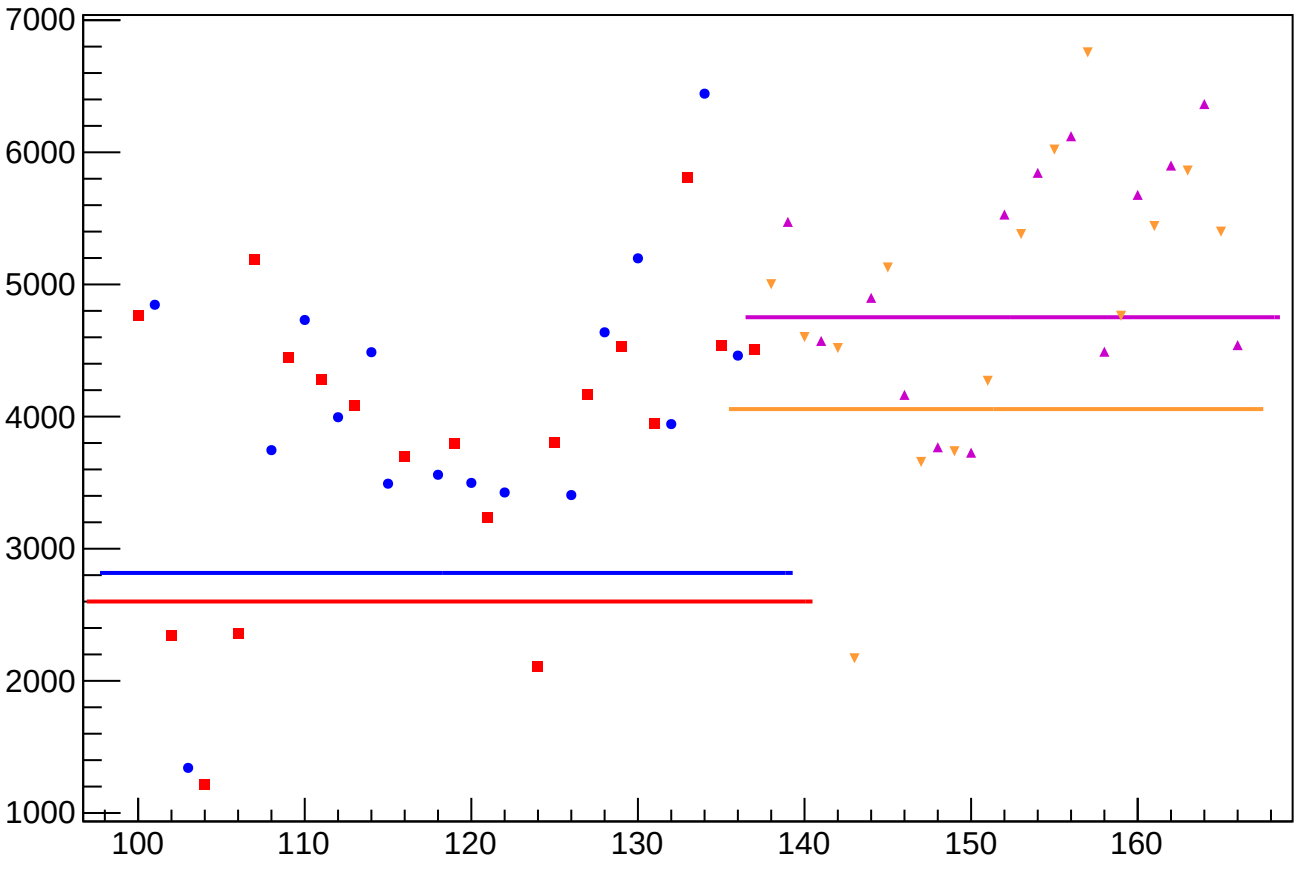
Left: 329.606+/-940.014 χ^2/NDF: 29.0/28

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 156.628+/-909.908 χ^2/NDF:24.5/29

Out: -233.865+/-825.277 χ^2/NDF:35.5/33

All: -57.619+/-611.294 χ^2/NDF: 60.1/63



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4056.777+/-0.885 χ^2/NDF:2324130.0/14

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4751.861+/-1.007 χ^2/NDF:685446.8/13

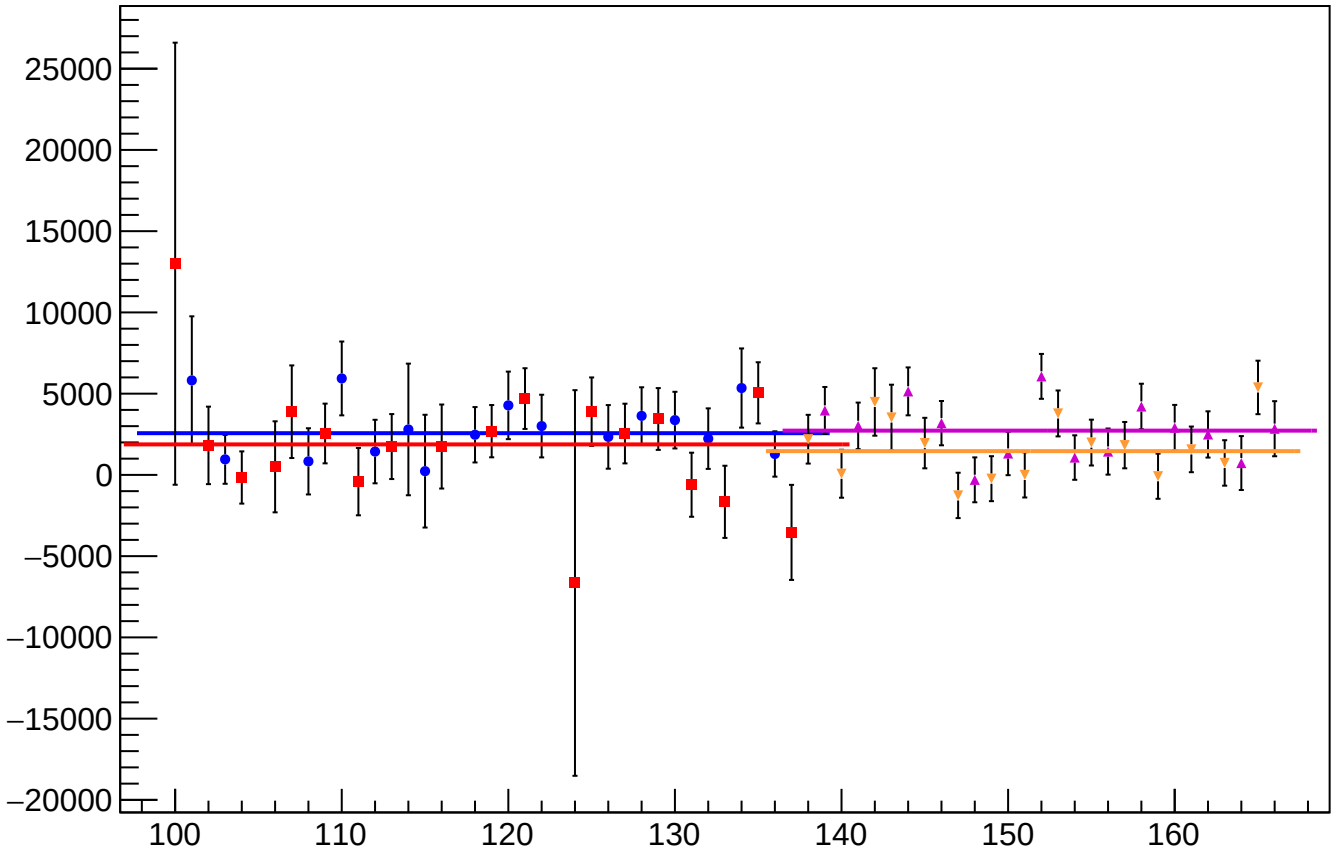
Left: 4359.326+/-0.665 χ^2/NDF: 3278380.3/28

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3605.977+/-0.643 χ^2/NDF:5877550.0/29

Out: 3234.407+/-0.584 χ^2/NDF:6935662.0/33

All: 3402.112+/-0.432 χ^2/NDF: 12996198.4/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2724.088+/-382.705 χ^2/NDF:20.2/13

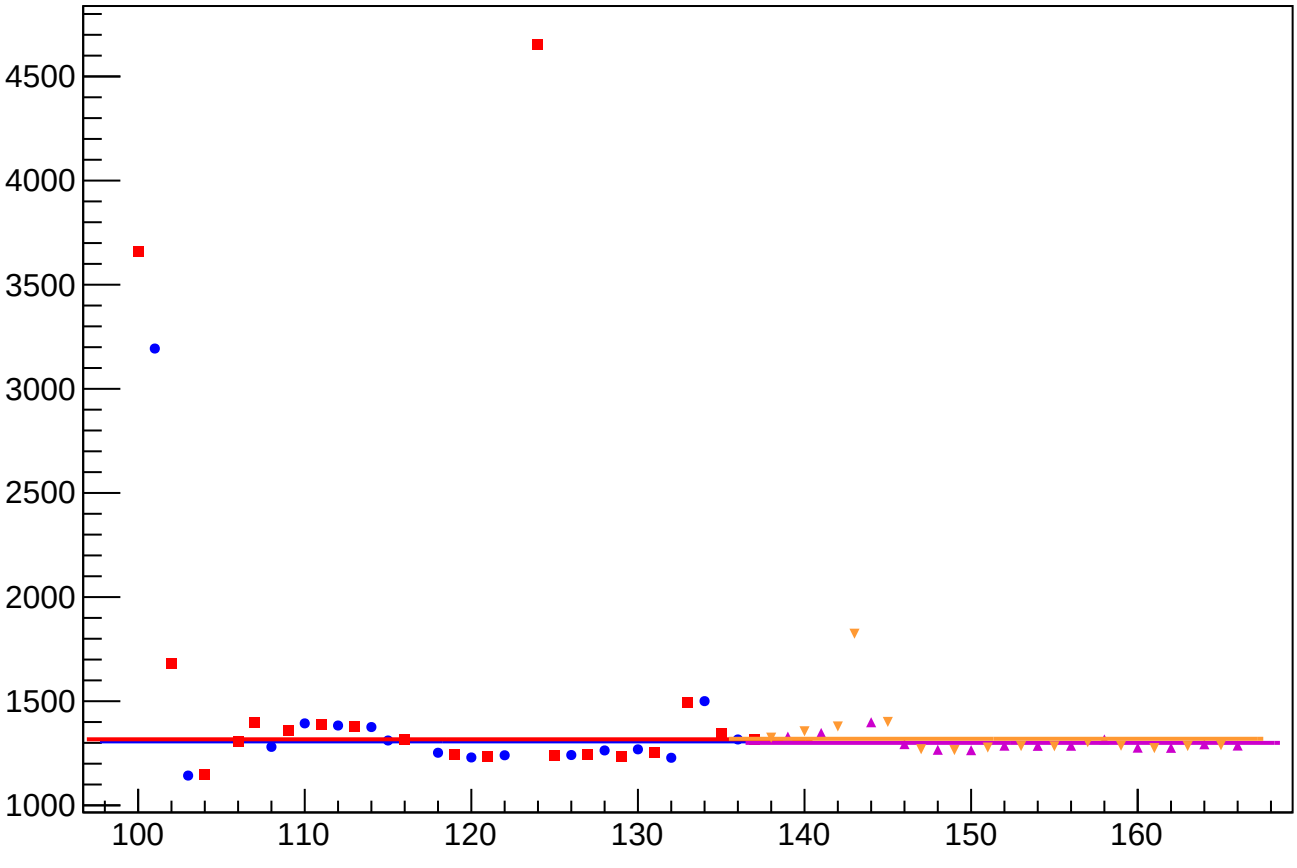
Left: 2097.001+/-271.395 χ^2/NDF: 46.6/28

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2665.440+/-302.851 χ^2/NDF:29.3/29

Out: 1619.171+/-303.799 χ^2/NDF:40.9/33

All: 2143.940+/-214.483 χ^2/NDF: 76.2/63



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1299.952+/-0.271 χ^2/NDF:16758.9/13

Left: 1309.729+/-0.192 χ^2/NDF: 168015.4/28

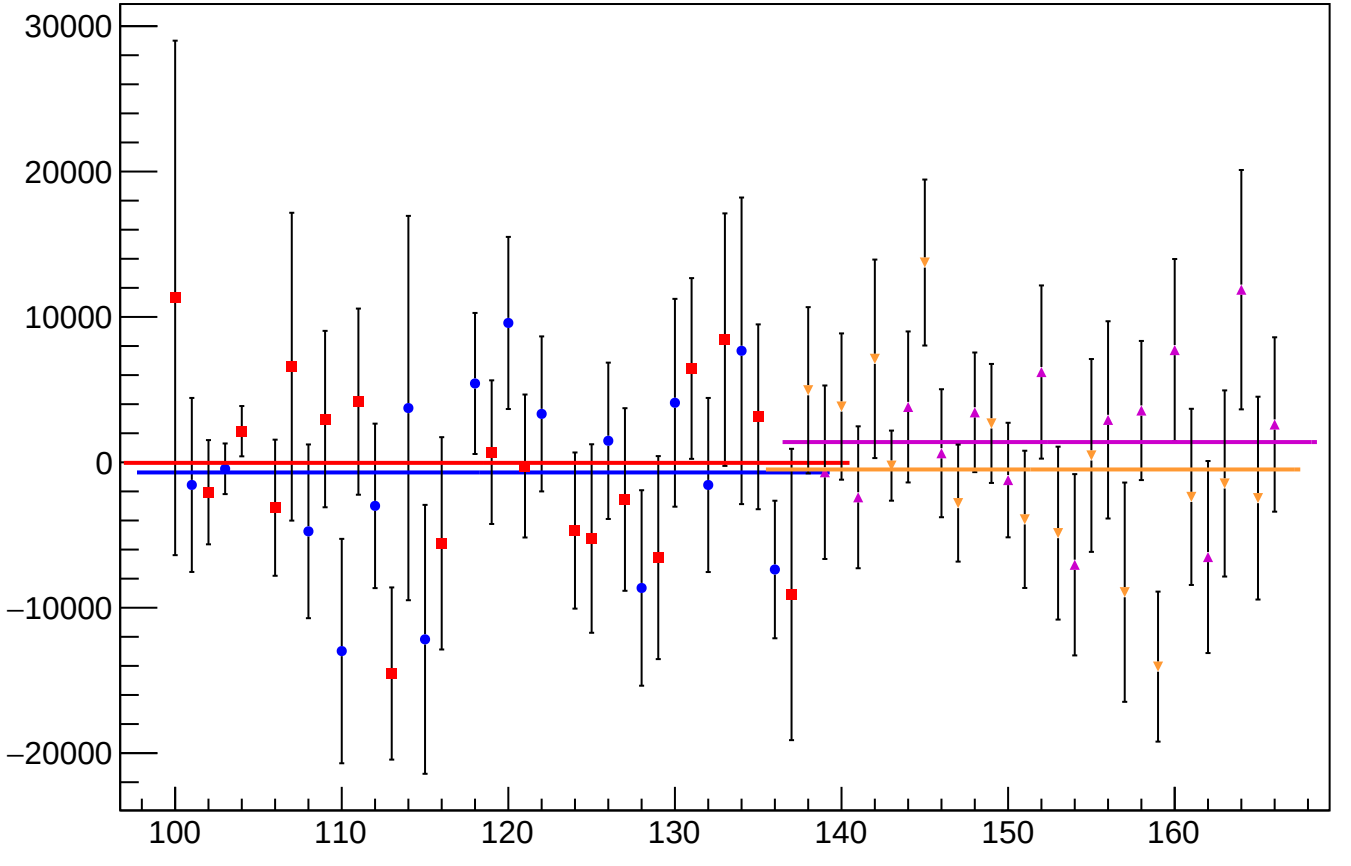
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1302.612+/-0.214 χ^2/NDF:533267.9/29

Out: 1318.678+/-0.215 χ^2/NDF:474589.0/33

All: 1310.626+/-0.152 χ^2/NDF: 1010664.5/63

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -490.418+/-1250.874 χ^2/NDF:19.5/14

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1393.527+/-1424.804 χ^2/NDF:8.5/13

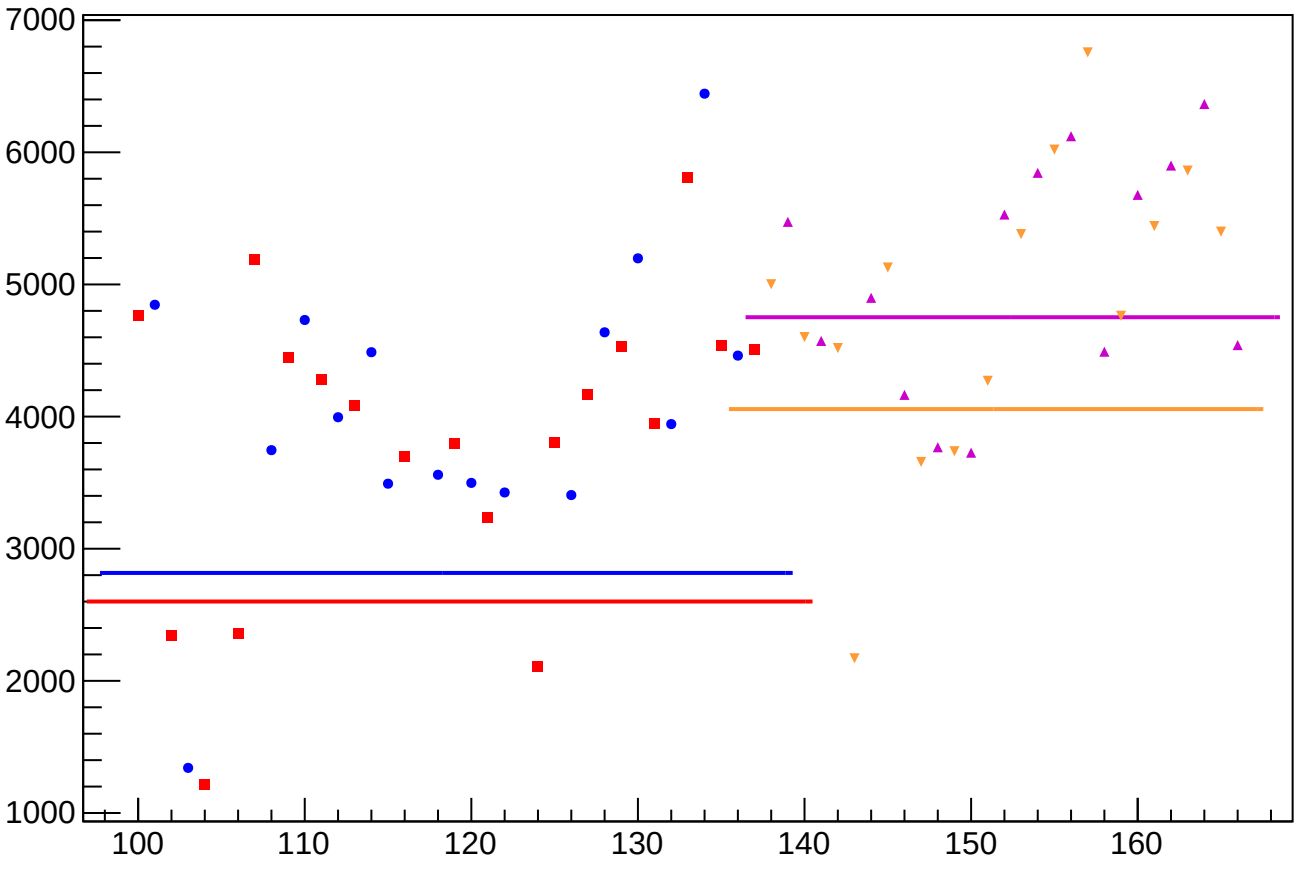
Left: 329.606+/-940.014 χ^2/NDF: 29.0/28

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 156.628+/-909.908 χ^2/NDF:24.5/29

Out: -233.865+/-825.277 χ^2/NDF:35.5/33

All: -57.619+/-611.294 χ^2/NDF: 60.1/63



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4056.777+/-0.885 χ^2/NDF:2324130.0/14

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4751.861+/-1.007 χ^2/NDF:685446.8/13

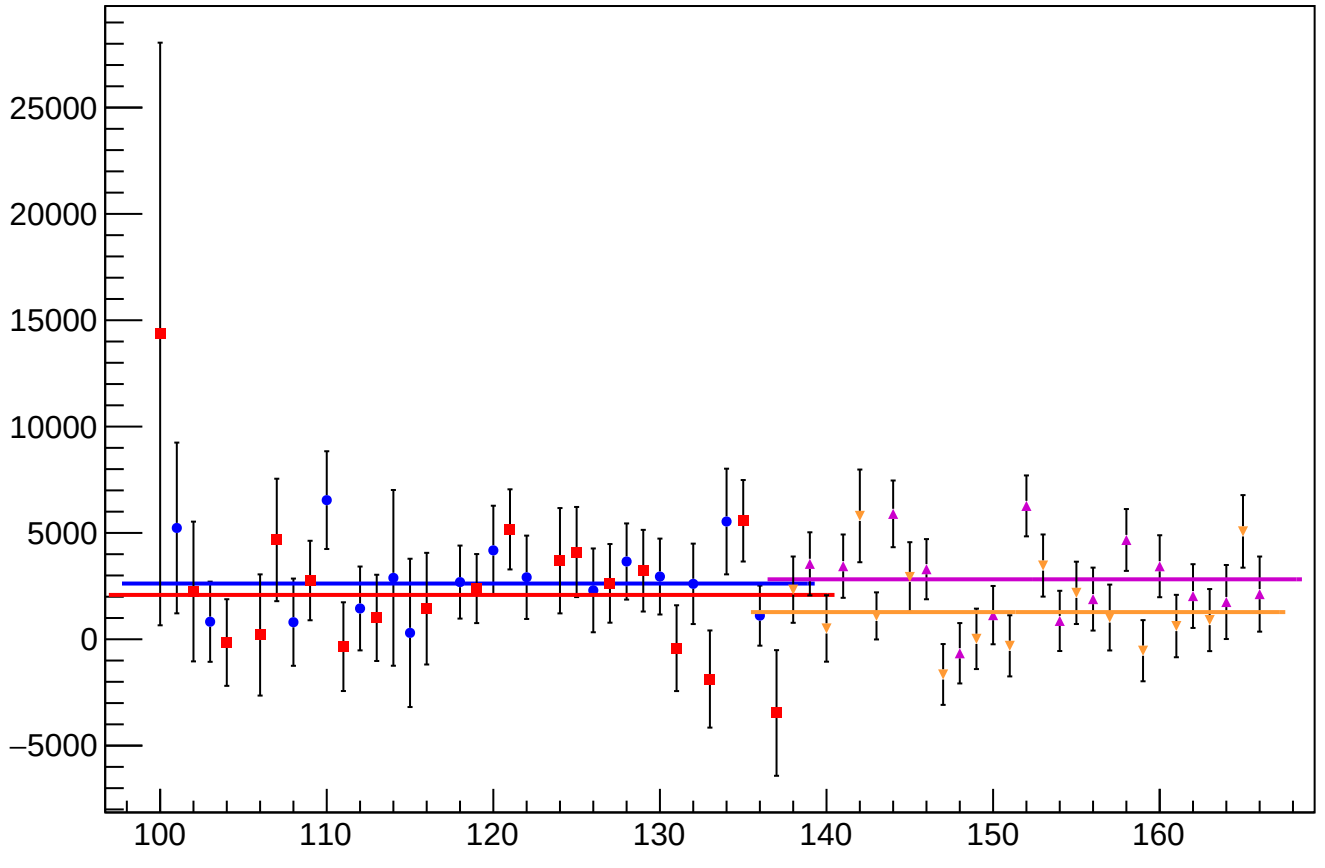
Left: 4359.326+/-0.665 χ^2/NDF: 3278380.3/28

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3605.977+/-0.643 χ^2/NDF:5877550.0/29

Out: 3234.407+/-0.584 χ^2/NDF:6935662.0/33

All: 3402.112+/-0.432 χ^2/NDF: 12996198.4/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.266+/-383.419 χ^2/NDF:21.7/14

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2819.290+/-397.644 χ^2/NDF:22.6/13

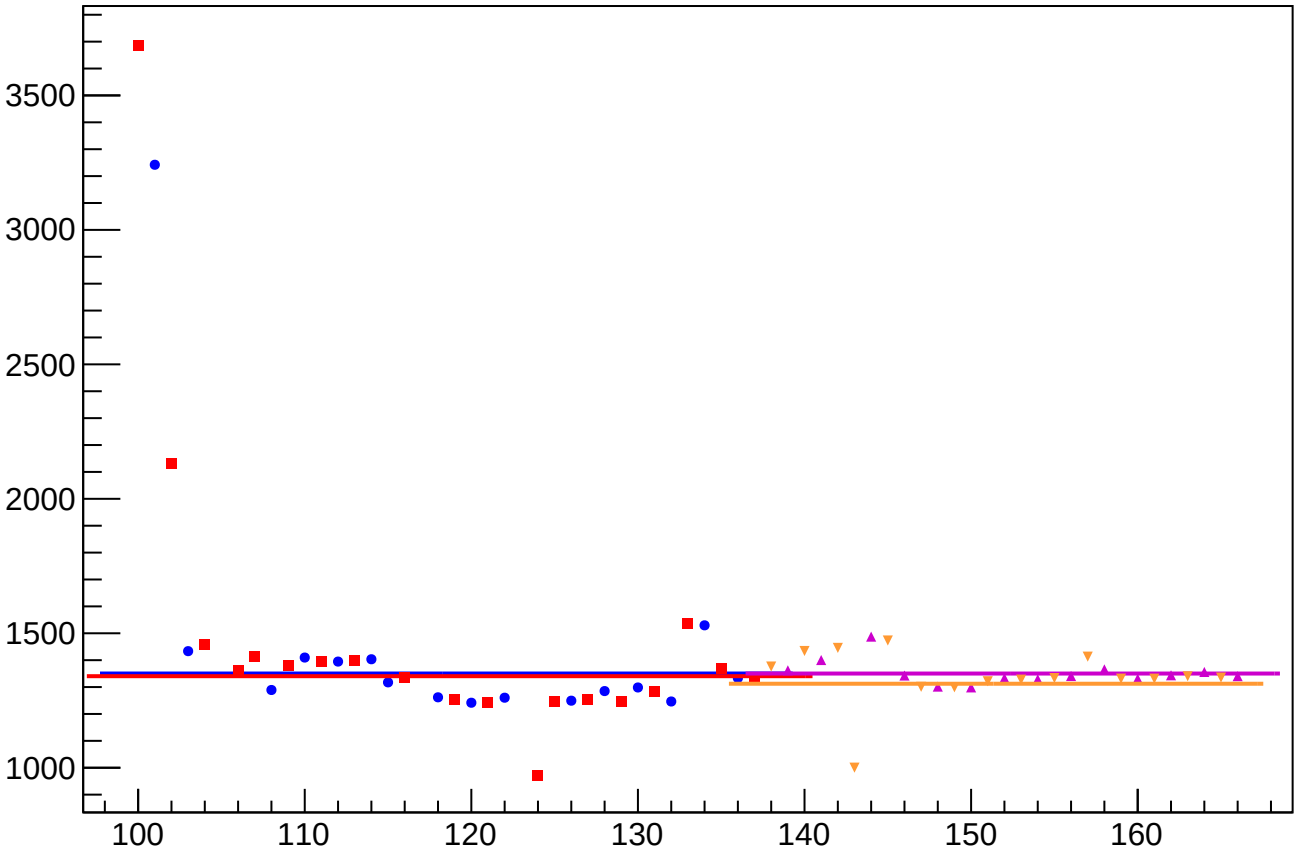
Left: 2020.721+/-276.010 χ^2/NDF: 52.1/28

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2744.420+/-313.940 χ^2/NDF:32.0/29

Out: 1573.576+/-305.347 χ^2/NDF:44.3/33

All: 2142.755+/-218.888 χ^2/NDF: 83.5/63



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.356+/-0.271 χ^2/NDF:212467.6/14

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.283+/-0.281 χ^2/NDF:24465.5/13

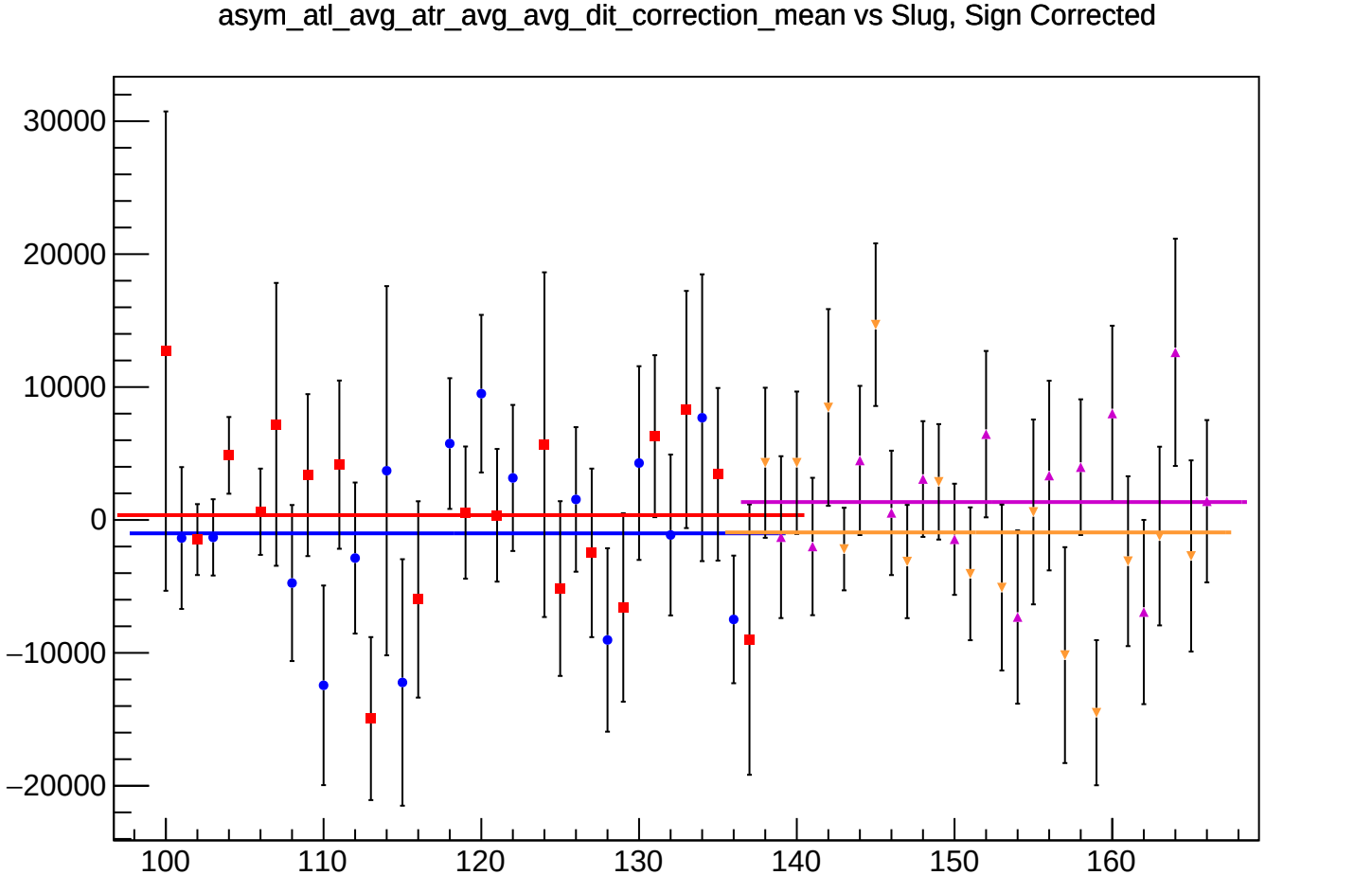
Left: 1330.629+/-0.195 χ^2/NDF: 246362.0/28

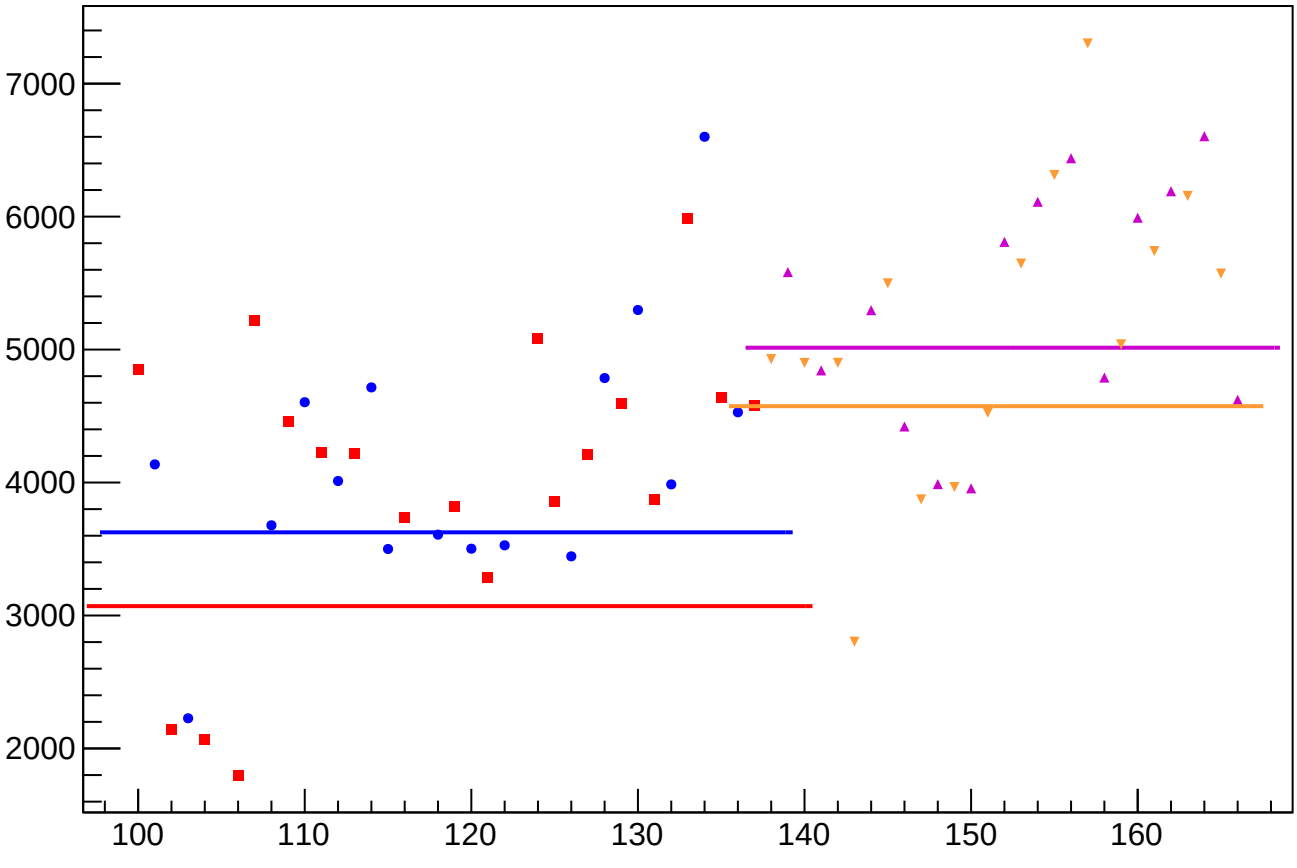
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

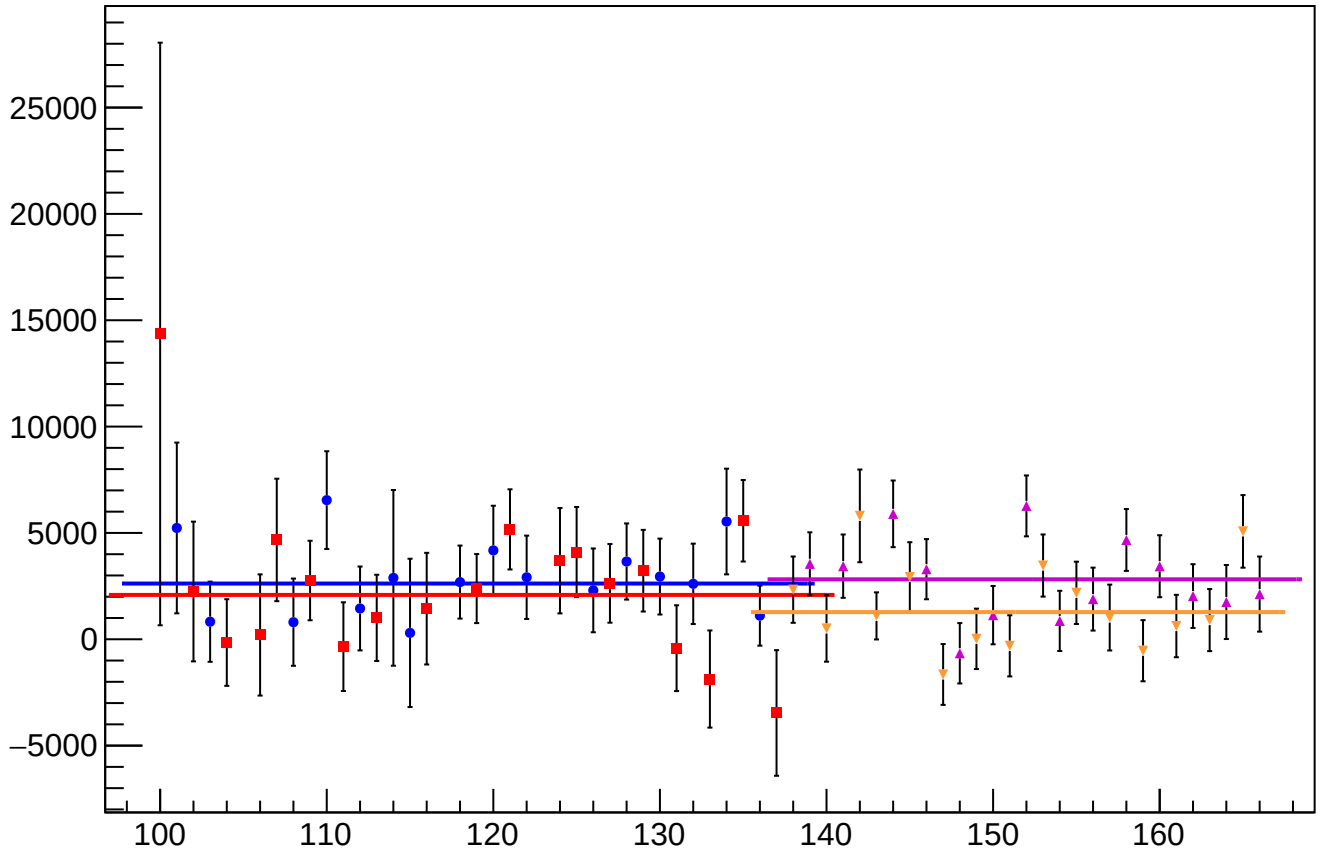
In: 1350.316+/-0.222 χ^2/NDF:518516.6/29

Out: 1322.632+/-0.216 χ^2/NDF:488576.0/33

All: 1336.087+/-0.155 χ^2/NDF: 1015085.9/63


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -937.526+/-1381.455 χ²/NDF:19.7/14
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1347.189+/-1502.241 χ²/NDF:8.5/13
Left: 109.302+/-1016.860 χ²/NDF: 29.4/28
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 91.120+/-1025.930 χ²/NDF:24.4/29
Out: -196.773+/-907.011 χ²/NDF:36.4/33
All: -70.471+/-679.526 χ²/NDF: 60.9/63


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4574.339+/-0.977 χ²/NDF:1448531.6/14
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5014.032+/-1.062 χ²/NDF:647355.5/13
Left: 4775.801+/-0.719 χ²/NDF: 2188719.4/28
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4273.114+/-0.725 χ²/NDF:2504005.3/29
Out: 3718.733+/-0.641 χ²/NDF:4635683.4/33
All: 3961.945+/-0.480 χ²/NDF: 7467482.0/63



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.258+/-383.419 χ^2/NDF:21.7/14

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2819.291+/-397.645 χ^2/NDF:22.6/13

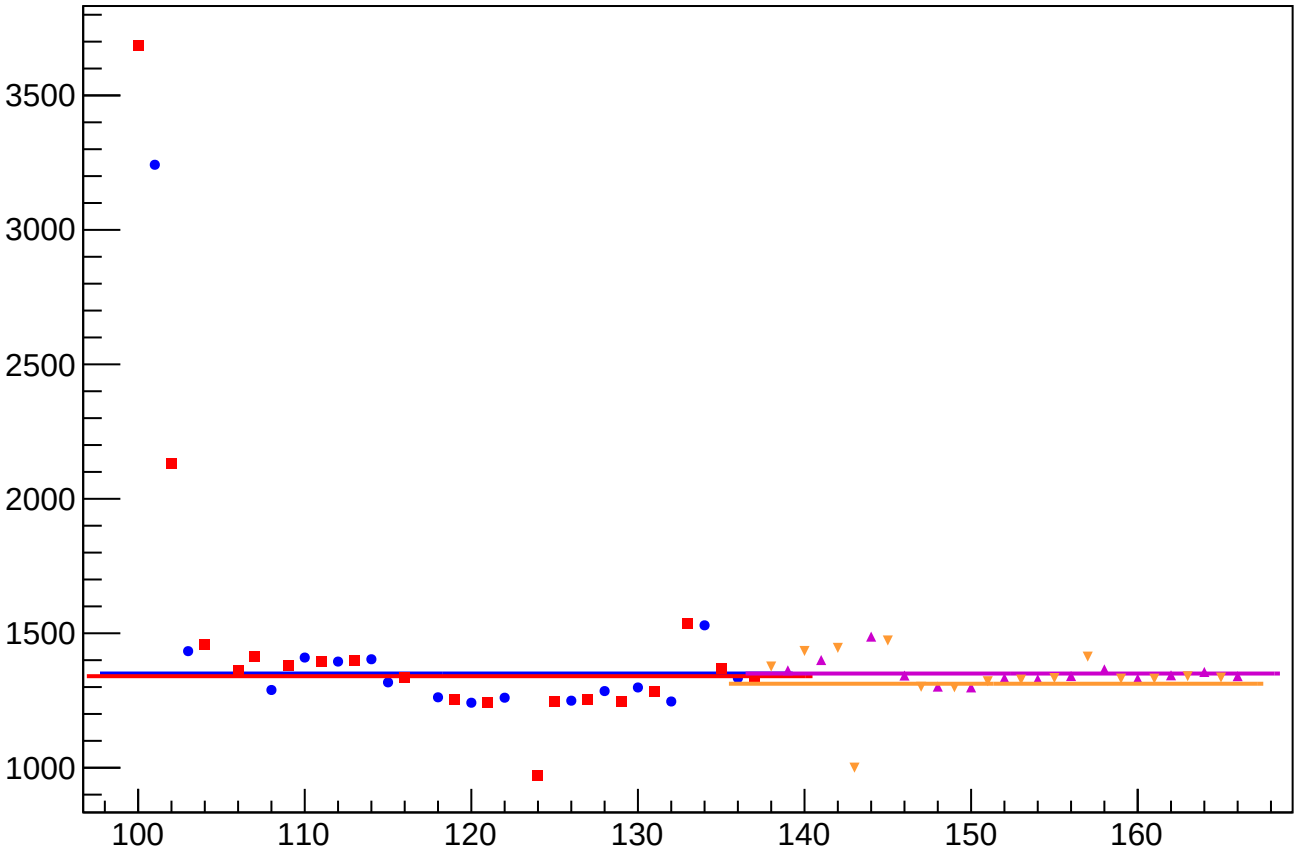
Left: 2020.718+/-276.011 χ^2/NDF: 52.1/28

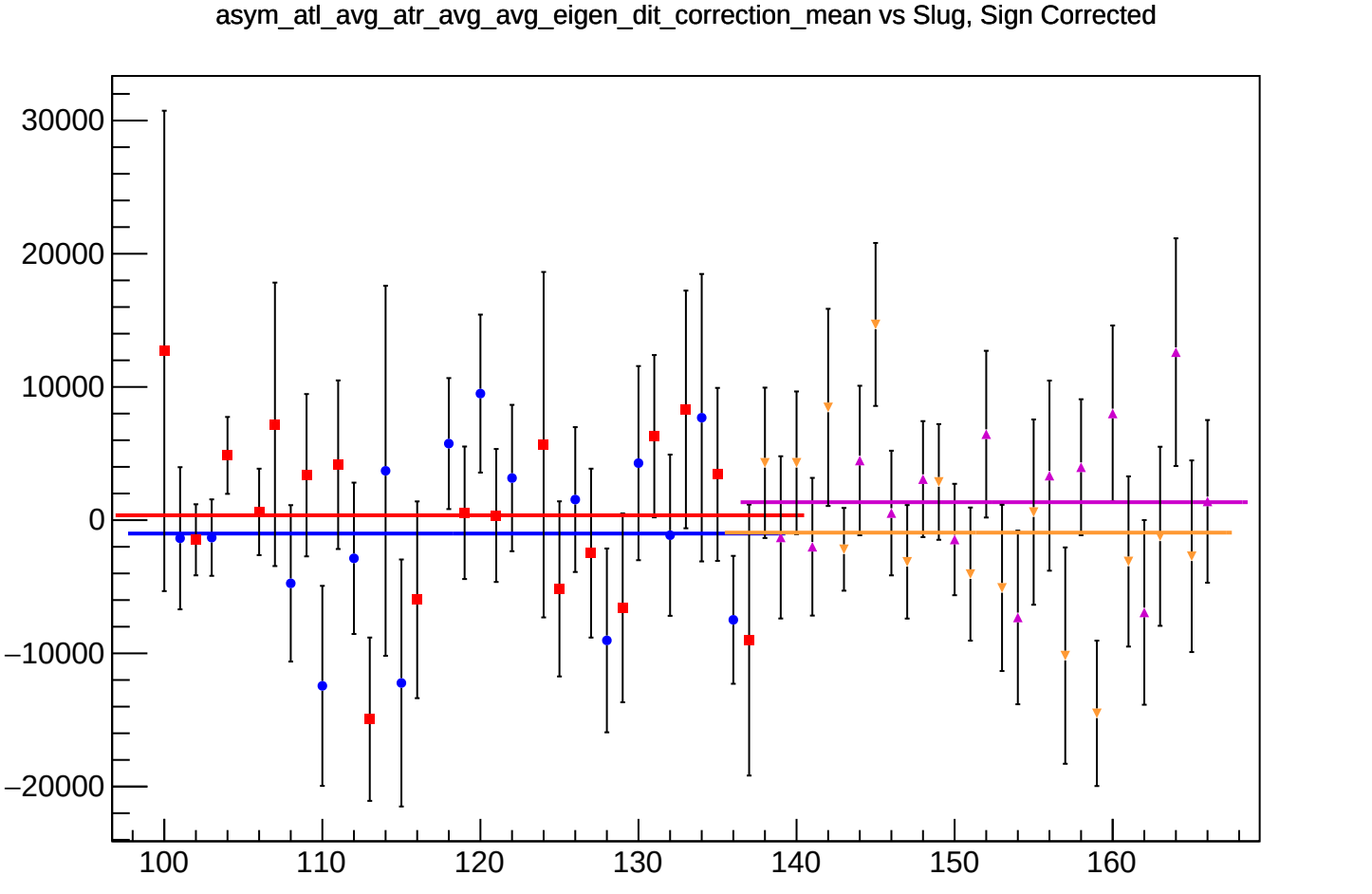
Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

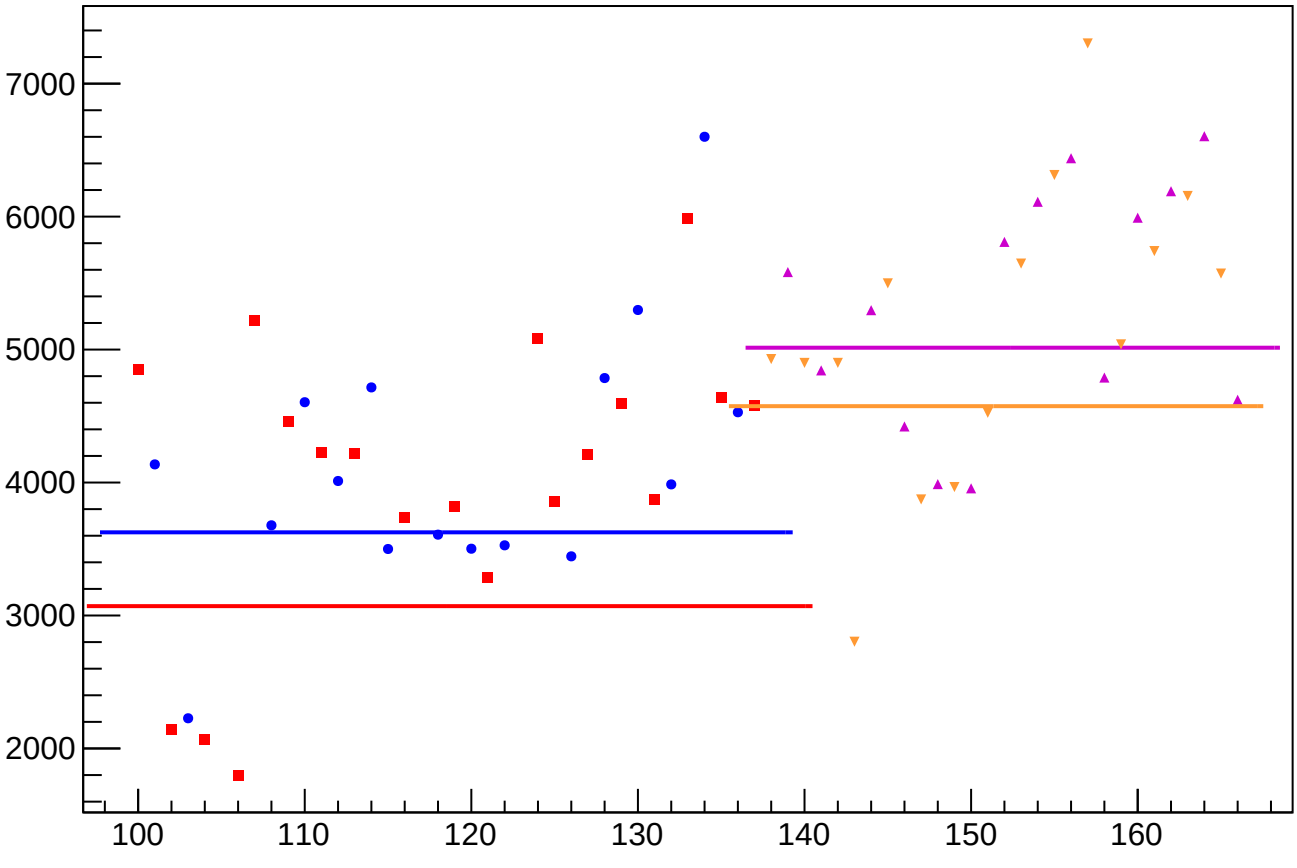
In: 2744.422+/-313.940 χ^2/NDF:32.0/29

Out: 1573.573+/-305.347 χ^2/NDF:44.3/33

All: 2142.753+/-218.888 χ^2/NDF: 83.5/63


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1350.369+/-0.362 χ²/NDF: 494051.2/15
Left Out: 1312.357+/-0.271 χ²/NDF:212468.3/14
Right Out: 1340.428+/-0.357 χ²/NDF: 272182.5/18
Left In: 1350.285+/-0.281 χ²/NDF:24465.8/13
Left: 1330.631+/-0.195 χ²/NDF: 246362.9/28
Right: 1345.330+/-0.254 χ²/NDF: 766616.6/34
In: 1350.316+/-0.222 χ²/NDF:518517.0/29
Out: 1322.633+/-0.216 χ²/NDF:488575.1/33
All: 1336.088+/-0.155 χ²/NDF: 1015085.4/63


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -937.532+/-1381.457 χ²/NDF:19.7/14
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1347.188+/-1502.243 χ²/NDF:8.5/13
Left: 109.298+/-1016.862 χ²/NDF: 29.4/28
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 91.120+/-1025.929 χ²/NDF:24.4/29
Out: -196.772+/-907.010 χ²/NDF:36.4/33
All: -70.471+/-679.526 χ²/NDF: 60.9/63



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4574.346+/-0.977 χ^2/NDF:1448532.4/14

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5014.040+/-1.062 χ^2/NDF:647356.8/13

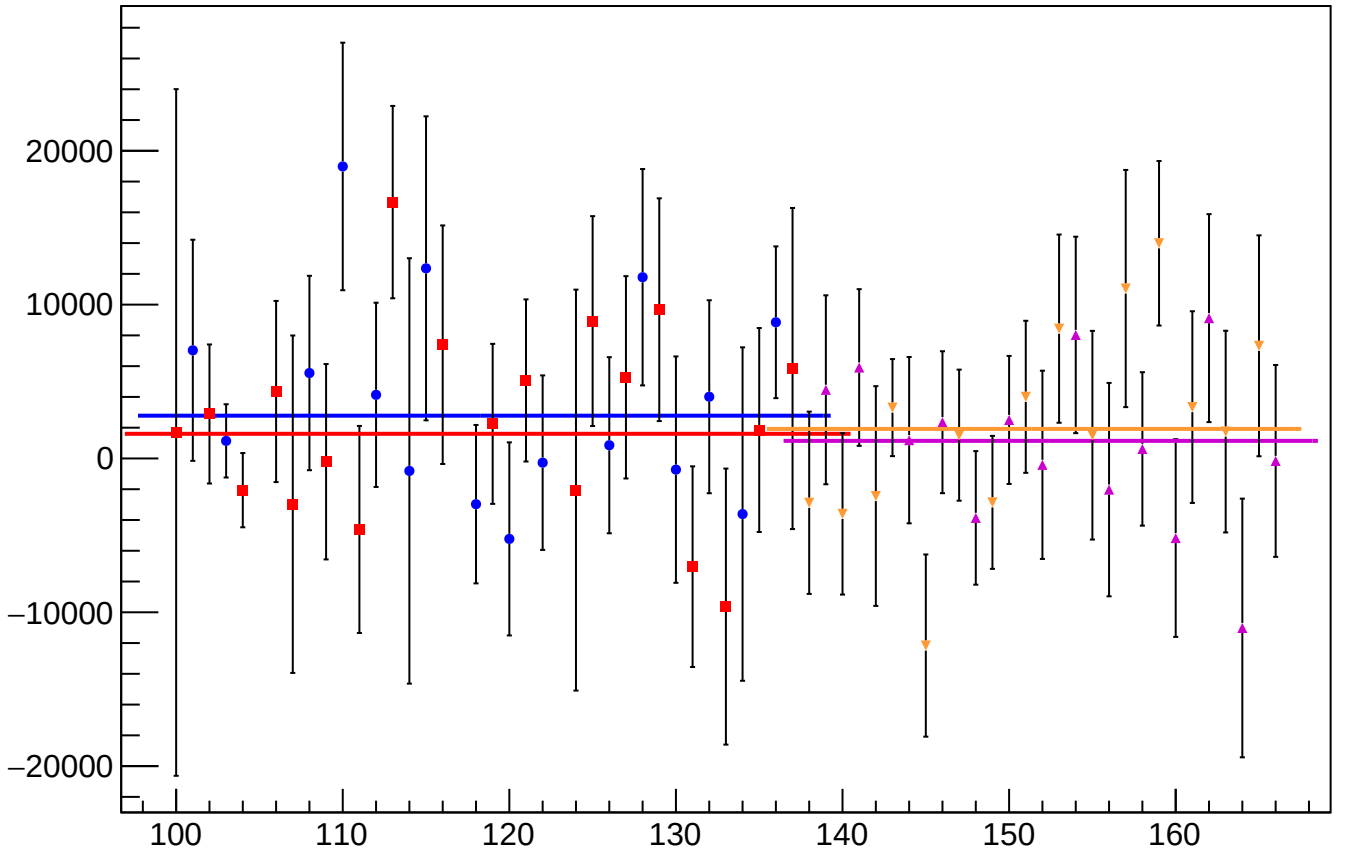
Left: 4775.808+/-0.719 χ^2/NDF: 2188721.4/28

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4273.110+/-0.725 χ^2/NDF:2504030.7/29

Out: 3718.728+/-0.641 χ^2/NDF:4635715.8/33

All: 3961.941+/-0.480 χ^2/NDF: 7467541.1/63



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1920.933+/-1371.458 χ^2/NDF:17.6/14

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1143.332+/-1482.080 χ^2/NDF:8.6/13

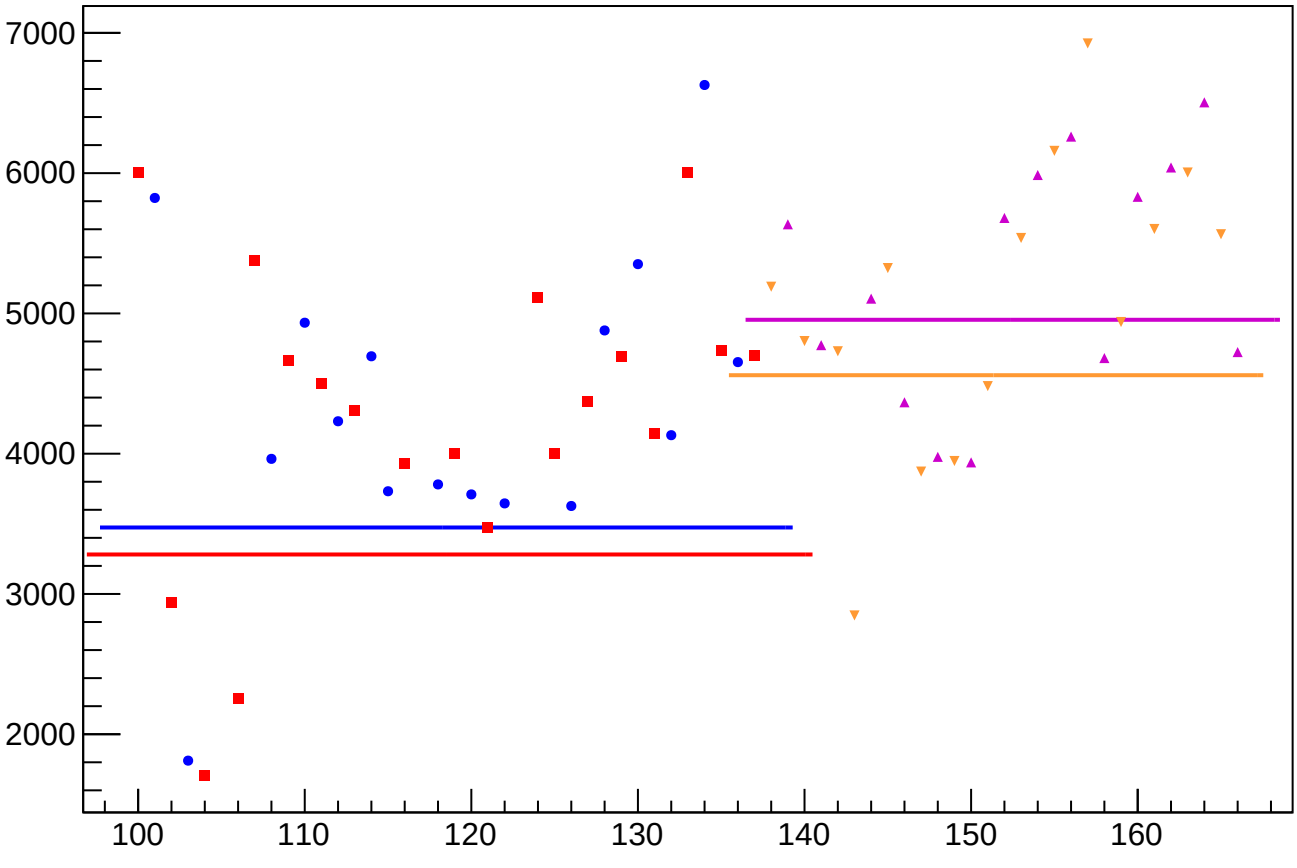
Left: 1562.232+/-1006.606 χ^2/NDF: 26.4/28

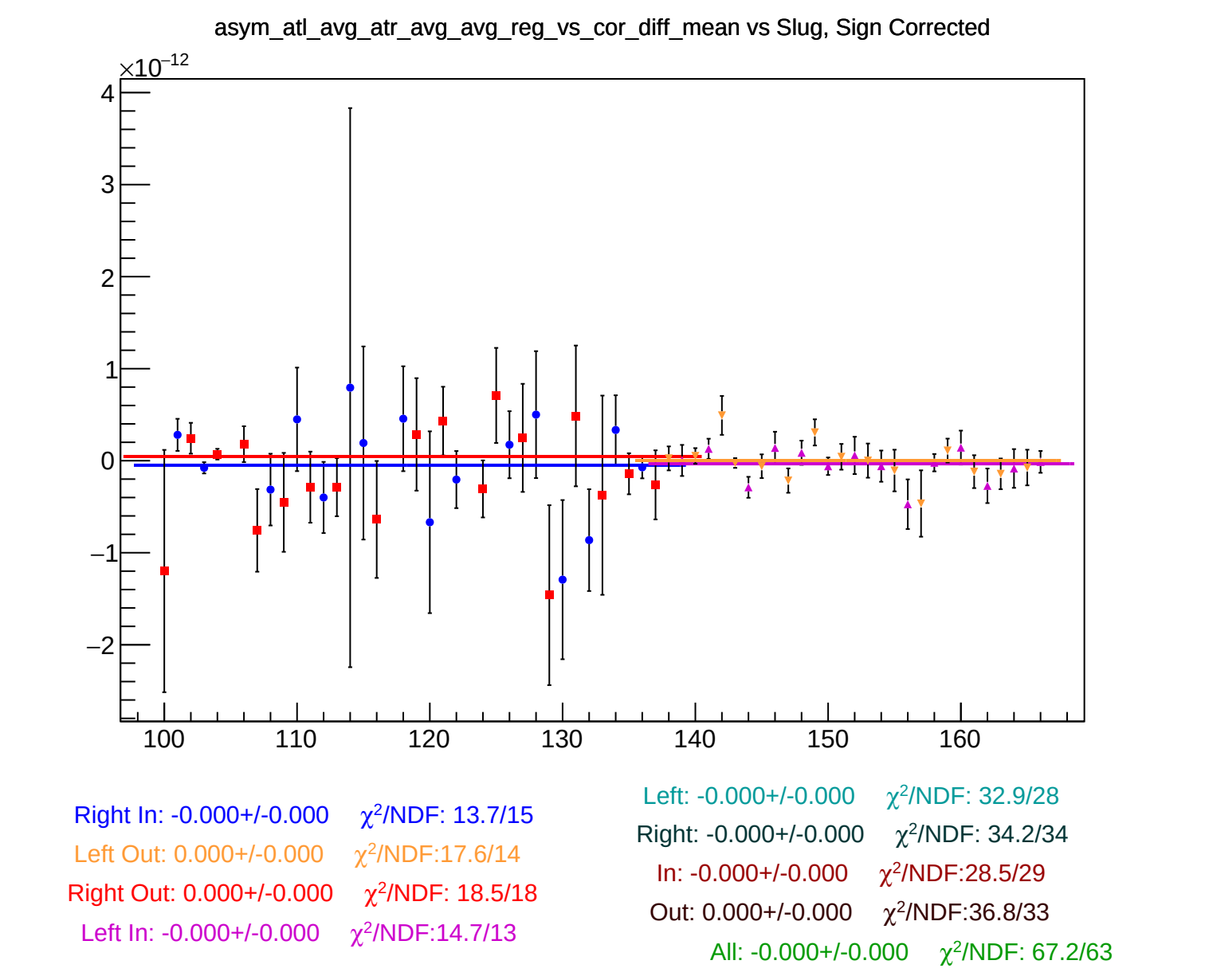
Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

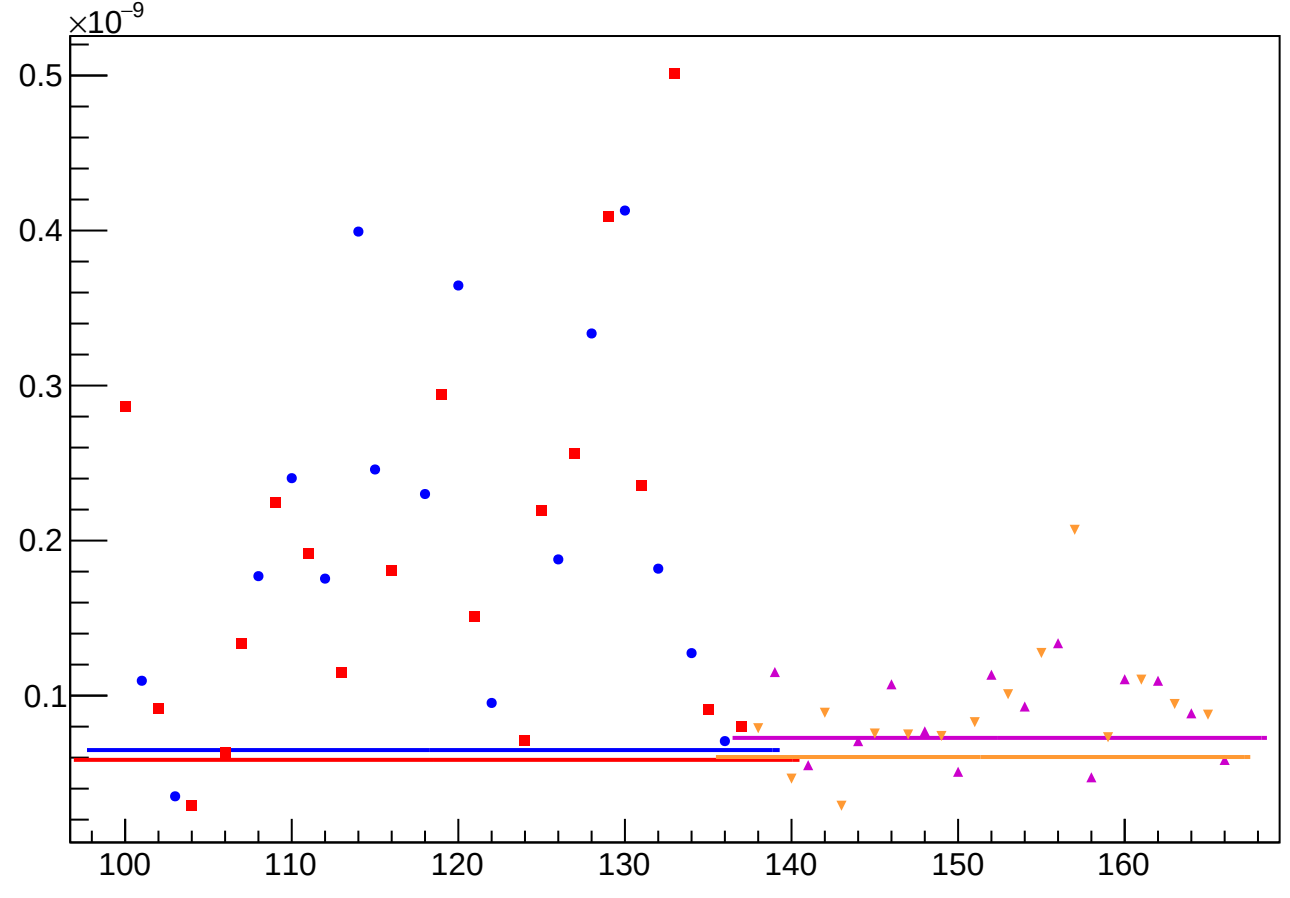
In: 2014.880+/-1013.651 χ^2/NDF:22.4/29

Out: 1757.733+/-957.359 χ^2/NDF:34.5/33

All: 1878.968+/-696.005 χ^2/NDF: 56.9/63


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3473.898+/-0.982 χ²/NDF: 1843964.2/15
Left Out: 4559.536+/-0.970 χ²/NDF:1296392.7/14
Right Out: 3281.478+/-0.932 χ²/NDF: 1875493.9/18
Left In: 4954.622+/-1.048 χ²/NDF:598664.6/13
Left: 4741.786+/-0.712 χ²/NDF: 1971621.3/28
Right: 3372.669+/-0.676 χ²/NDF: 3739637.8/34
In: 4166.533+/-0.717 χ²/NDF:3505146.9/29
Out: 3895.474+/-0.672 χ²/NDF:4074338.0/33
All: 4022.310+/-0.490 χ²/NDF: 7655579.7/63


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/13
Left: -0.000+/-0.000 χ²/NDF: 32.9/28
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.5/29
Out: 0.000+/-0.000 χ²/NDF:36.8/33
All: -0.000+/-0.000 χ²/NDF: 67.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860022.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:922767.0/13

Left: 0.000+/-0.000 χ^2/NDF: 2911829.3/28

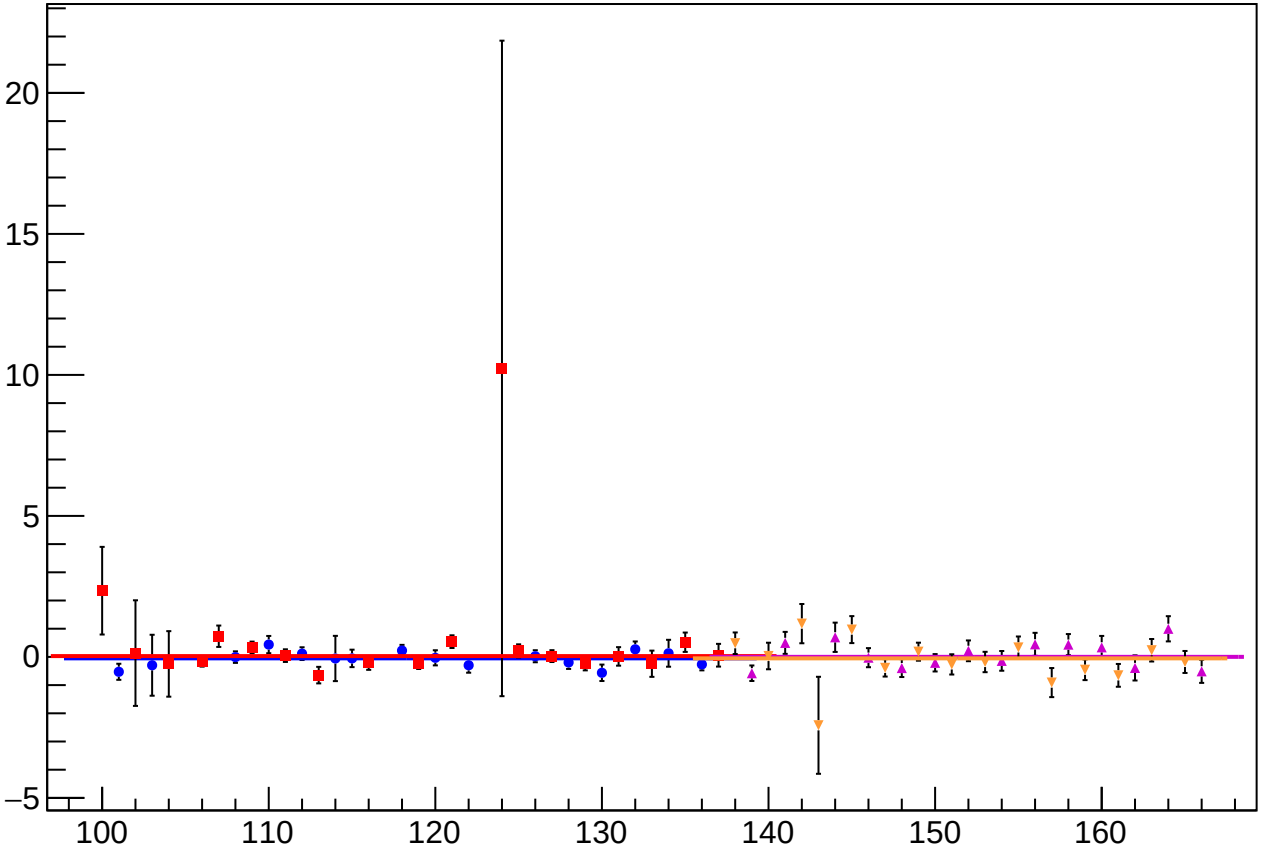
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3548800.2/29

Out: 0.000+/-0.000 χ^2/NDF:4717183.5/33

All: 0.000+/-0.000 χ^2/NDF: 8395084.2/63

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.023+/-0.072 χ^2/NDF: 42.7/28

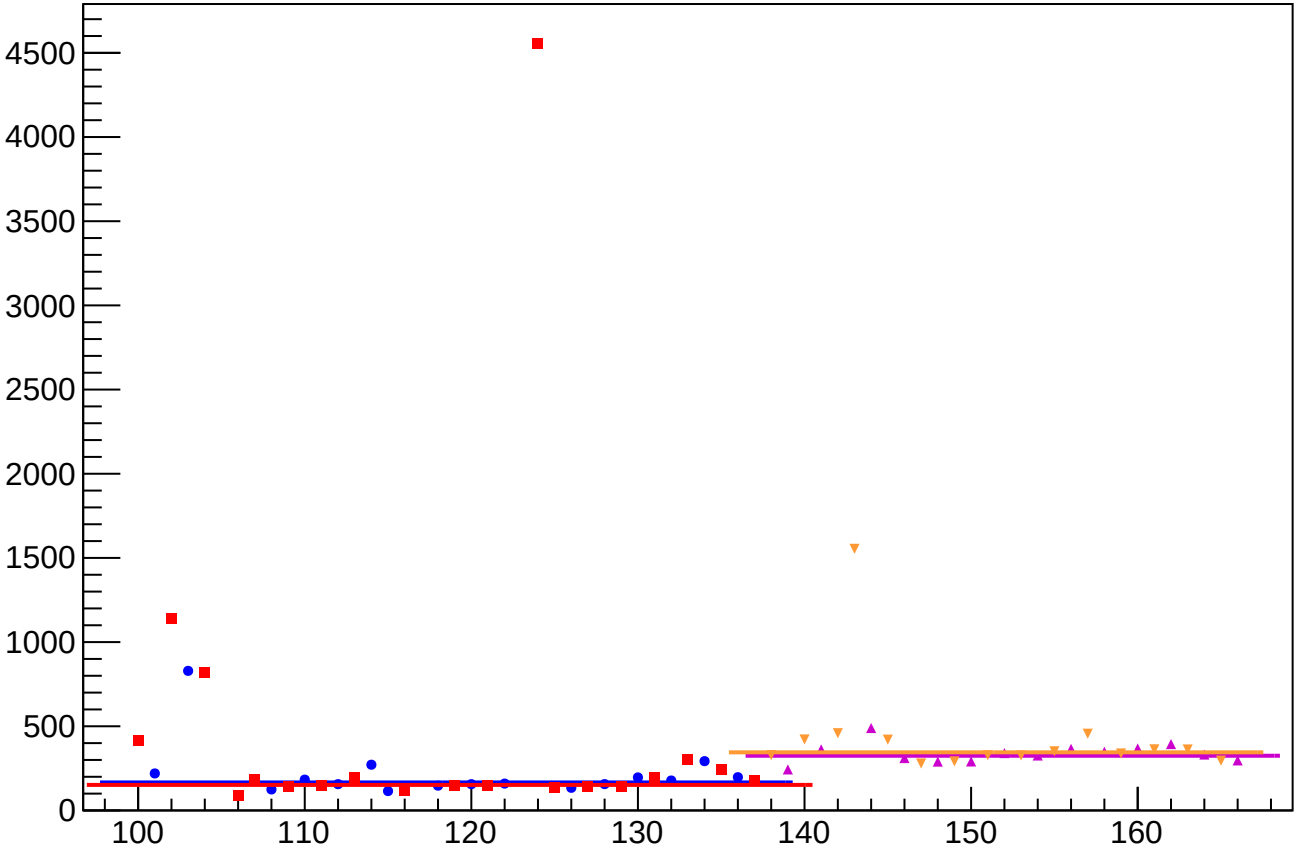
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.013+/-0.039 χ^2/NDF: 85.9/63

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 345.257+/-0.074 χ^2/NDF:1438148.6/14

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 324.965+/-0.070 χ^2/NDF:558025.7/13

Left: 334.444+/-0.051 χ^2/NDF: 2035958.3/28

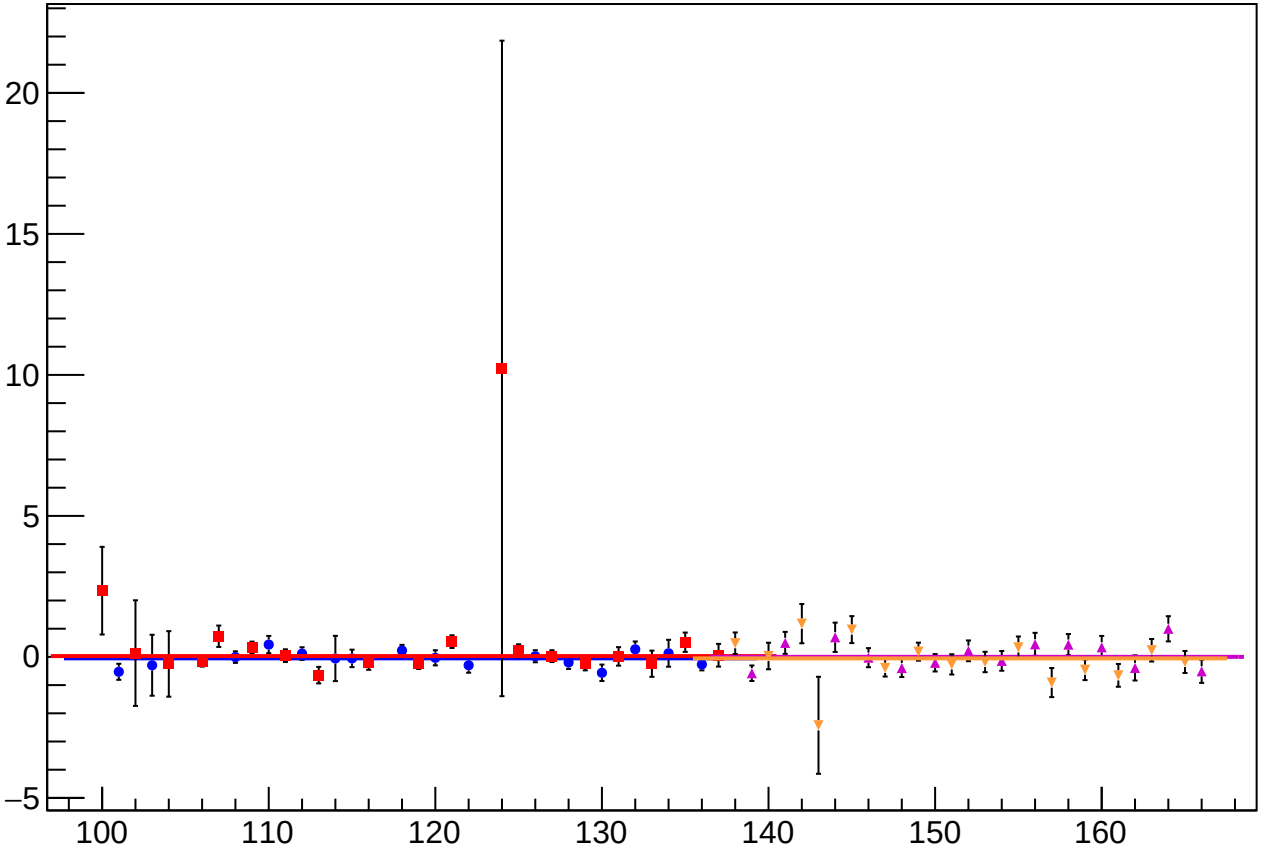
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.367+/-0.039 χ^2/NDF:5403292.0/29

Out: 204.209+/-0.039 χ^2/NDF:8702016.3/33

All: 210.227+/-0.027 χ^2/NDF: 14154272.5/63

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.023+/-0.072 χ^2/NDF: 42.7/28

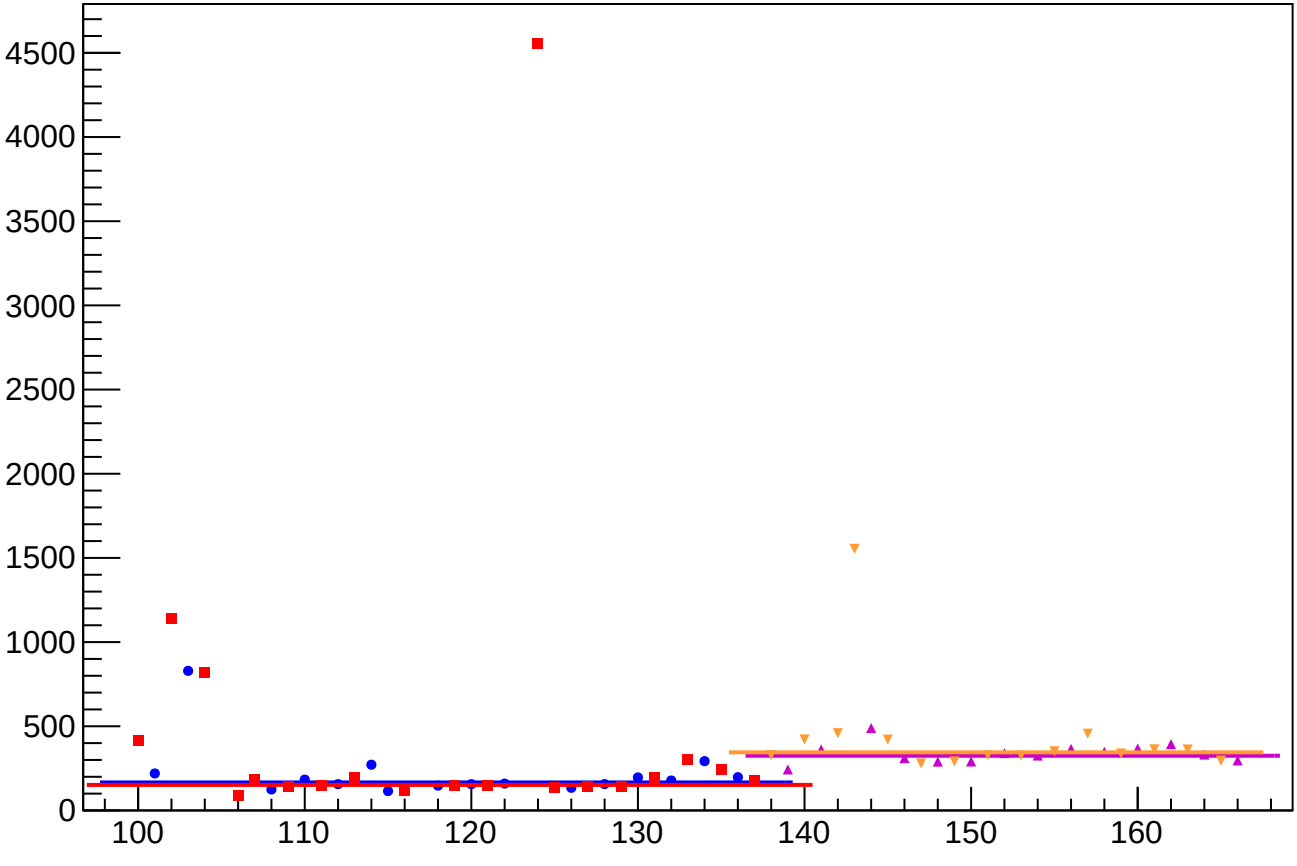
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.013+/-0.039 χ^2/NDF: 85.9/63

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 345.257+/-0.074 χ^2/NDF:1438148.6/14

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 324.965+/-0.070 χ^2/NDF:558025.7/13

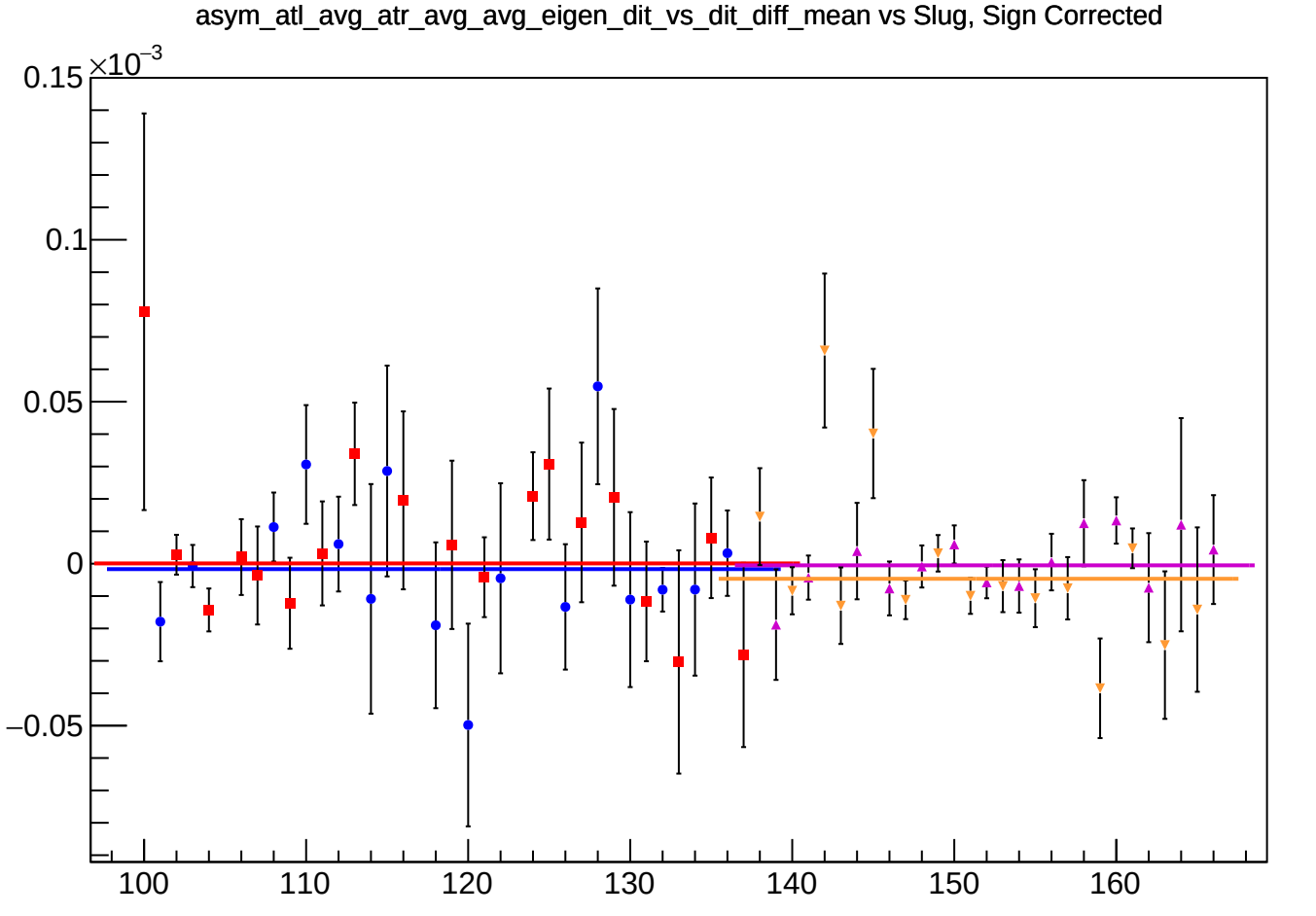
Left: 334.444+/-0.051 χ^2/NDF: 2035958.3/28

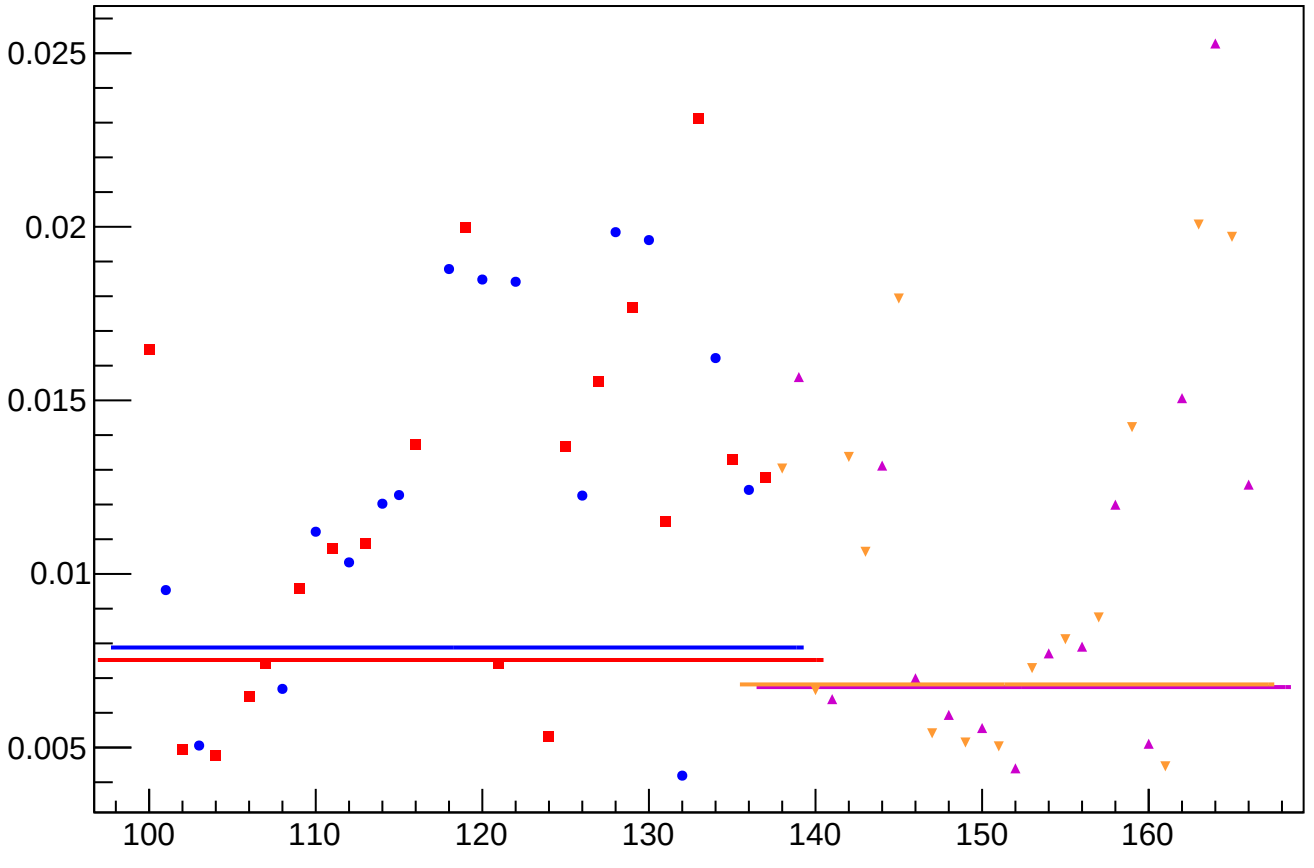
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.367+/-0.039 χ^2/NDF:5403292.0/29

Out: 204.209+/-0.039 χ^2/NDF:8702016.3/33

All: 210.227+/-0.027 χ^2/NDF: 14154272.5/63


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
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.5/15
Left Out: -0.000+/-0.000 χ²/NDF:29.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.4/13
Left: -0.000+/-0.000 χ²/NDF: 41.1/28
Right: -0.000+/-0.000 χ²/NDF: 35.5/34
In: -0.000+/-0.000 χ²/NDF:25.9/29
Out: -0.000+/-0.000 χ²/NDF:50.4/33
All: -0.000+/-0.000 χ²/NDF: 77.1/63



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3905448.9/14

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3333613.7/13

Left: 0.007+/-0.000 χ^2/NDF: 7240230.2/28

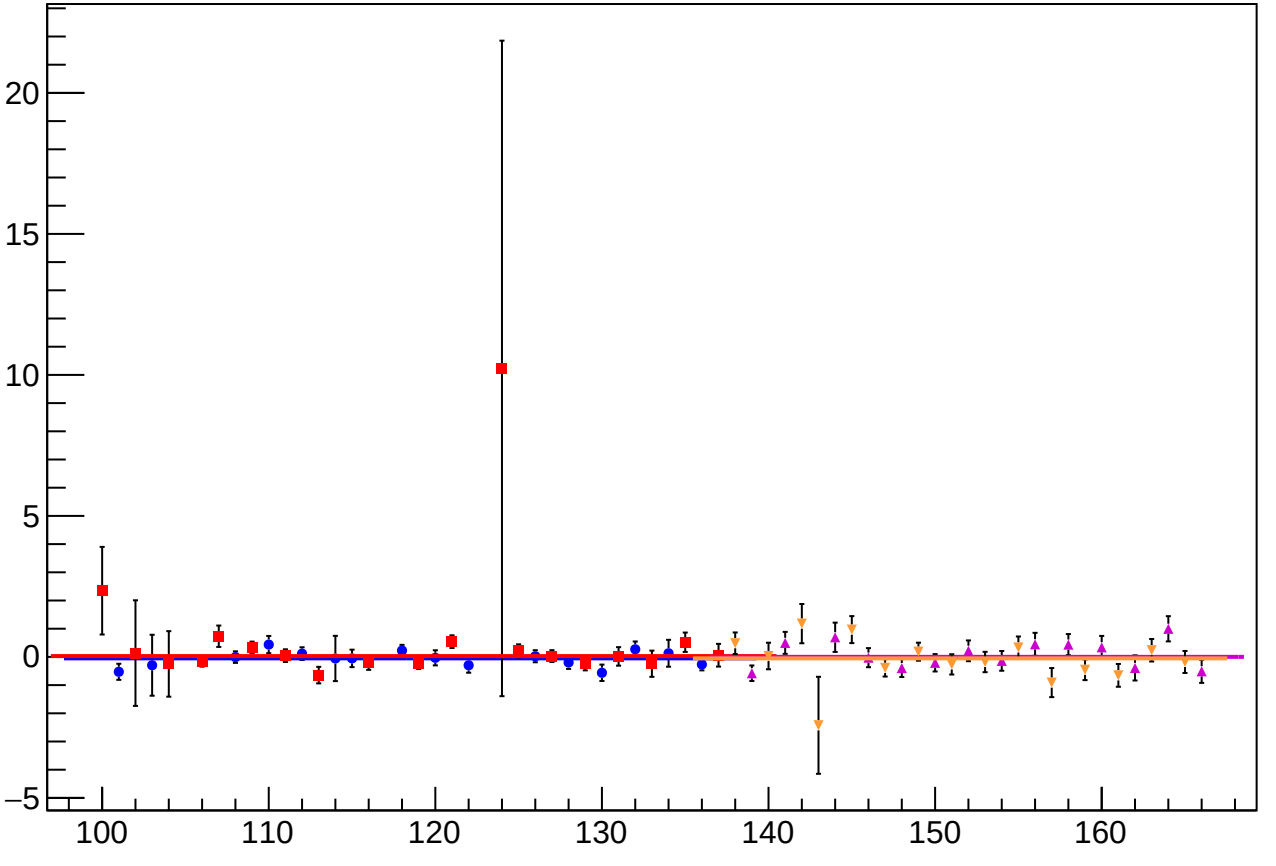
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:6792110.3/29

Out: 0.007+/-0.000 χ^2/NDF:6947508.8/33

All: 0.007+/-0.000 χ^2/NDF: 13739908.9/63

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.023+/-0.072 χ^2/NDF: 42.7/28

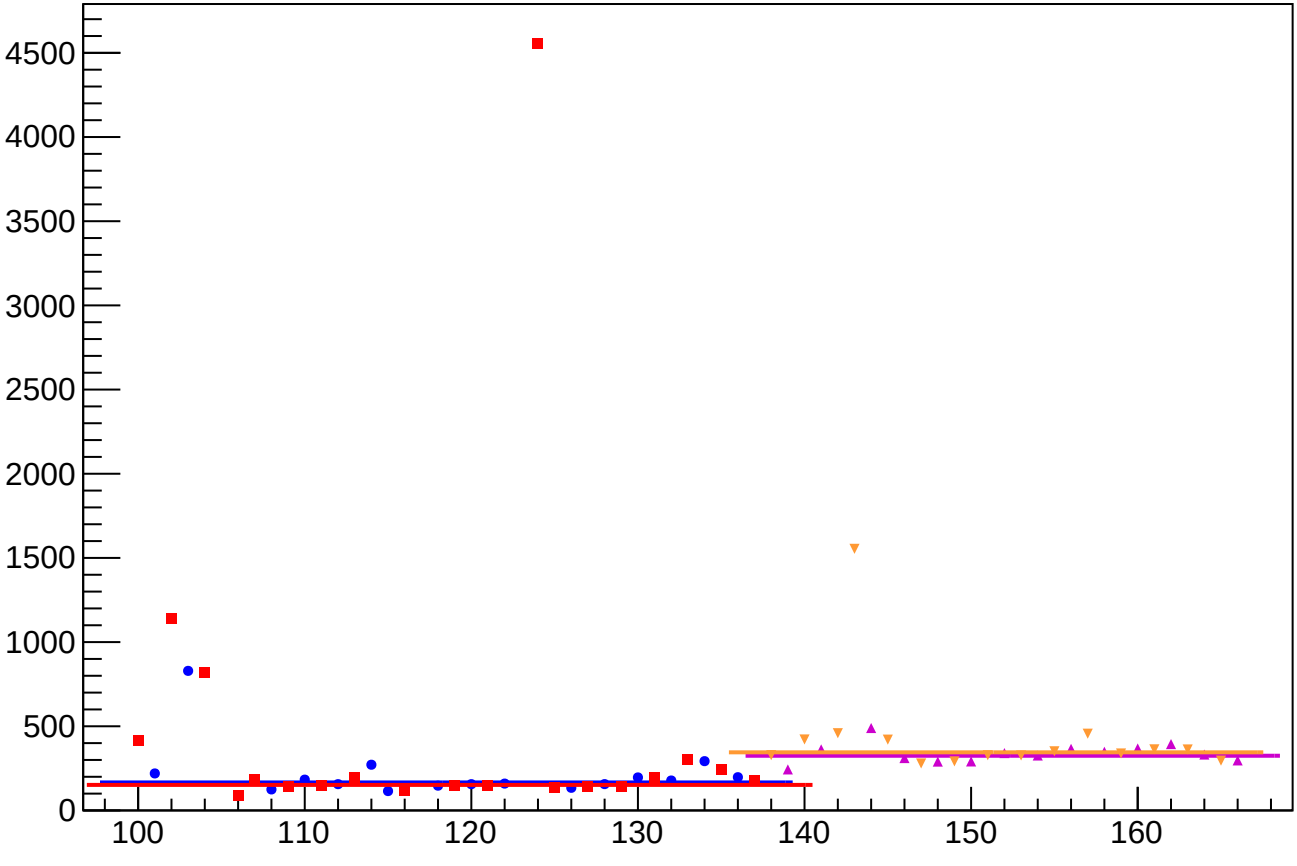
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.013+/-0.039 χ^2/NDF: 85.9/63

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 345.262+/-0.074 χ^2/NDF:1438143.7/14

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 324.970+/-0.070 χ^2/NDF:558018.8/13

Left: 334.450+/-0.051 χ^2/NDF: 2035946.7/28

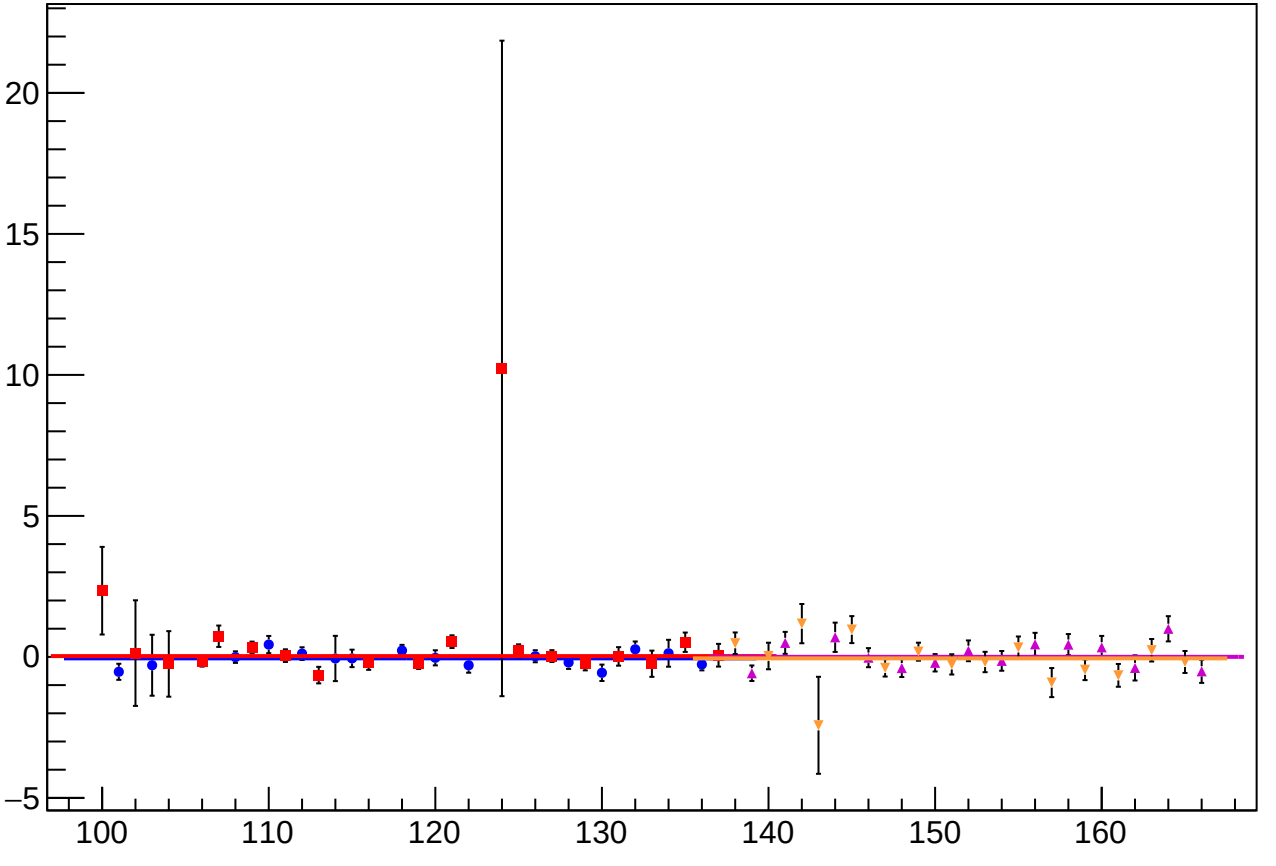
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.366+/-0.039 χ^2/NDF:5403474.3/29

Out: 204.208+/-0.039 χ^2/NDF:8702268.1/33

All: 210.226+/-0.027 χ^2/NDF: 14154714.7/63

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.002+/-0.098 χ^2/NDF:20.9/13

Left: -0.023+/-0.072 χ^2/NDF: 42.7/28

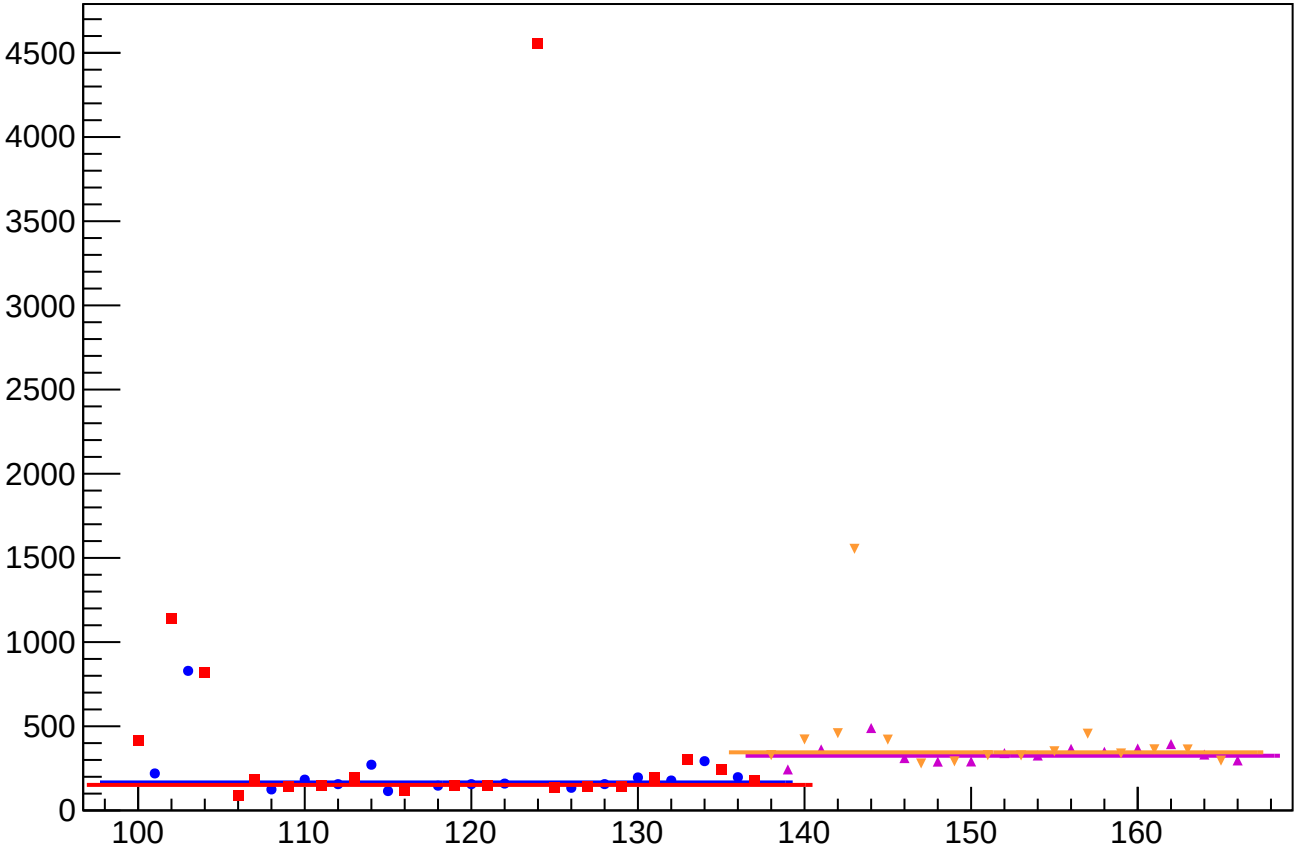
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.034+/-0.055 χ^2/NDF:36.0/29

Out: 0.007+/-0.055 χ^2/NDF:49.6/33

All: -0.013+/-0.039 χ^2/NDF: 85.9/63

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 345.262+/-0.074 χ^2/NDF:1438143.7/14

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 324.970+/-0.070 χ^2/NDF:558018.8/13

Left: 334.450+/-0.051 χ^2/NDF: 2035946.7/28

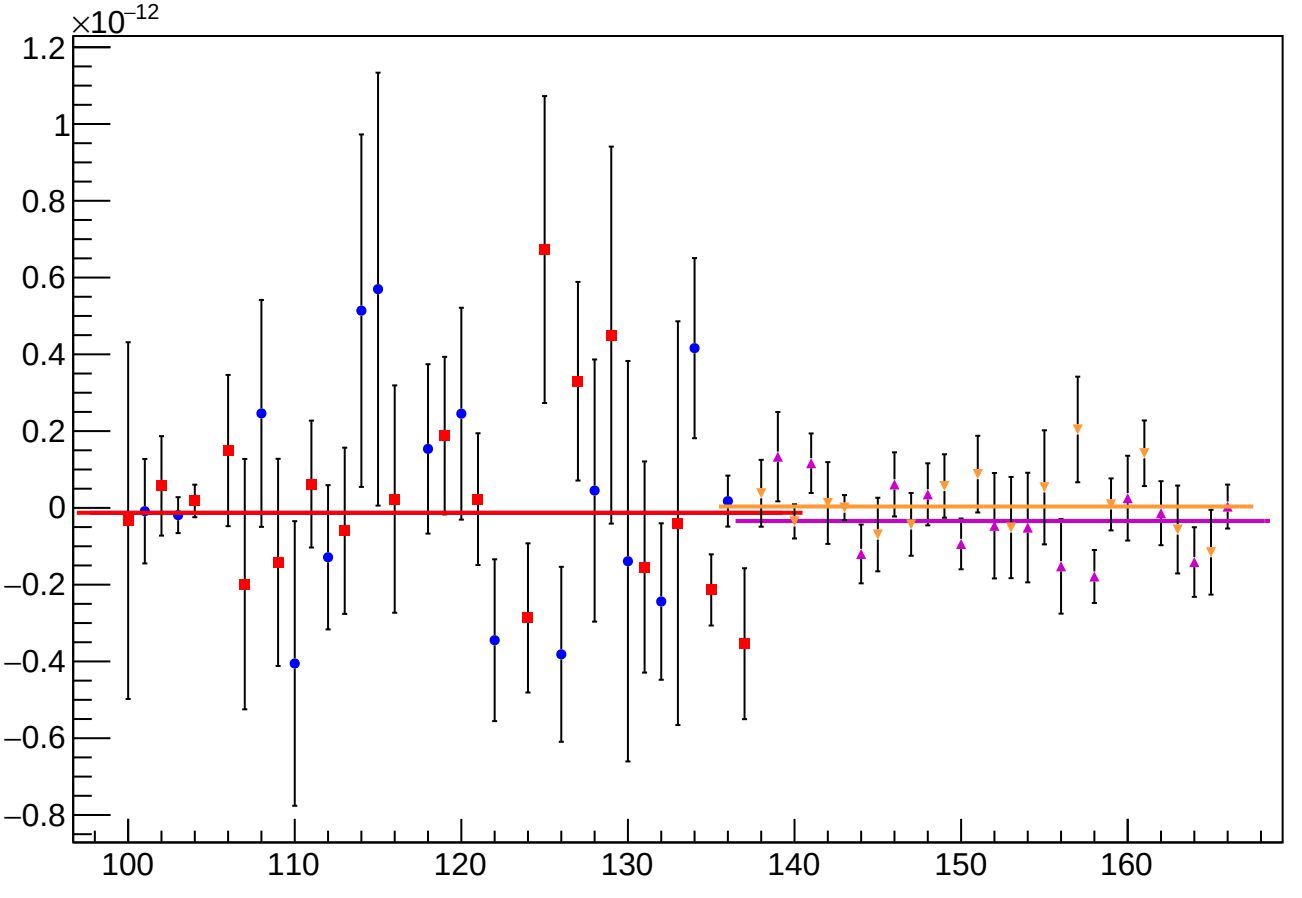
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.366+/-0.039 χ^2/NDF:5403474.3/29

Out: 204.208+/-0.039 χ^2/NDF:8702268.1/33

All: 210.226+/-0.027 χ^2/NDF: 14154714.7/63

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/13

Left: -0.000+/-0.000 χ^2/NDF: 28.6/28

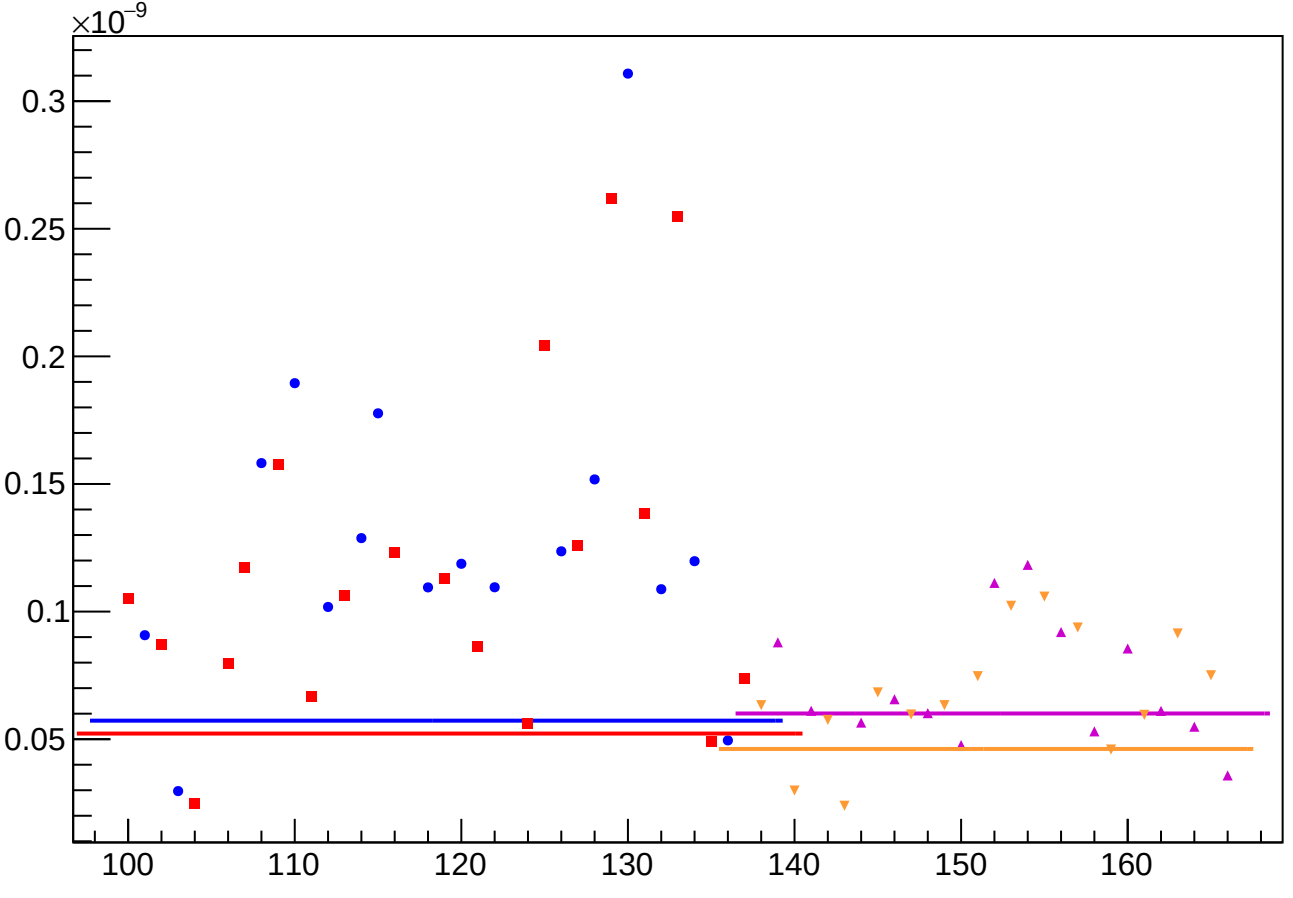
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:33.9/29

Out: -0.000+/-0.000 χ^2/NDF:28.5/33

All: -0.000+/-0.000 χ^2/NDF: 63.6/63

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3131257.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1436823.0/13

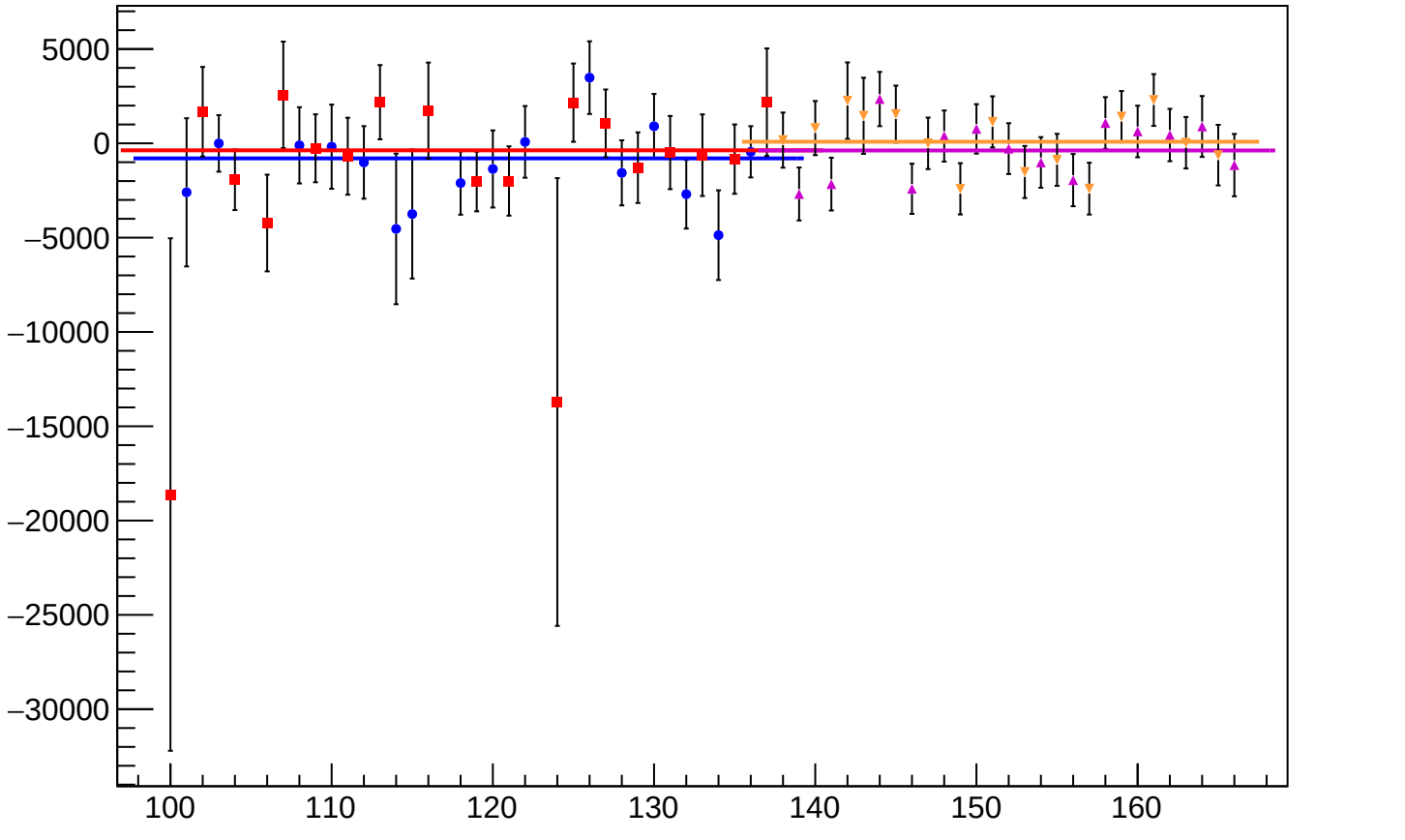
Left: 0.000+/-0.000 χ^2/NDF: 5016915.5/28

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4429898.2/29

Out: 0.000+/-0.000 χ^2/NDF:6473222.3/33

All: 0.000+/-0.000 χ^2/NDF: 11333382.9/63



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -377.870+/-373.839 χ^2/NDF:15.7/13

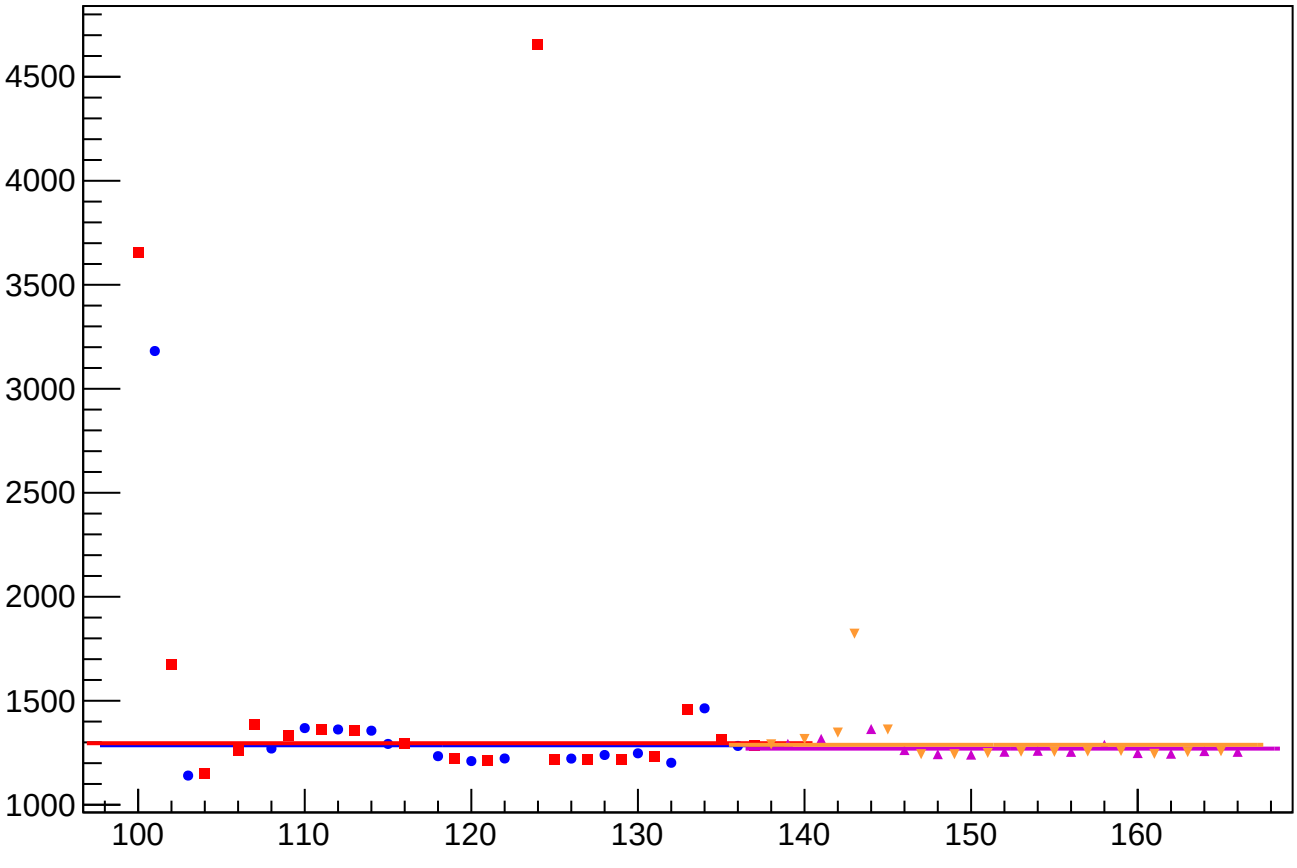
Left: -147.380+/-265.054 χ^2/NDF: 32.1/28

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -533.198+/-296.645 χ^2/NDF:29.6/29

Out: -84.990+/-297.276 χ^2/NDF:31.8/33

All: -309.571+/-209.982 χ^2/NDF: 62.5/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

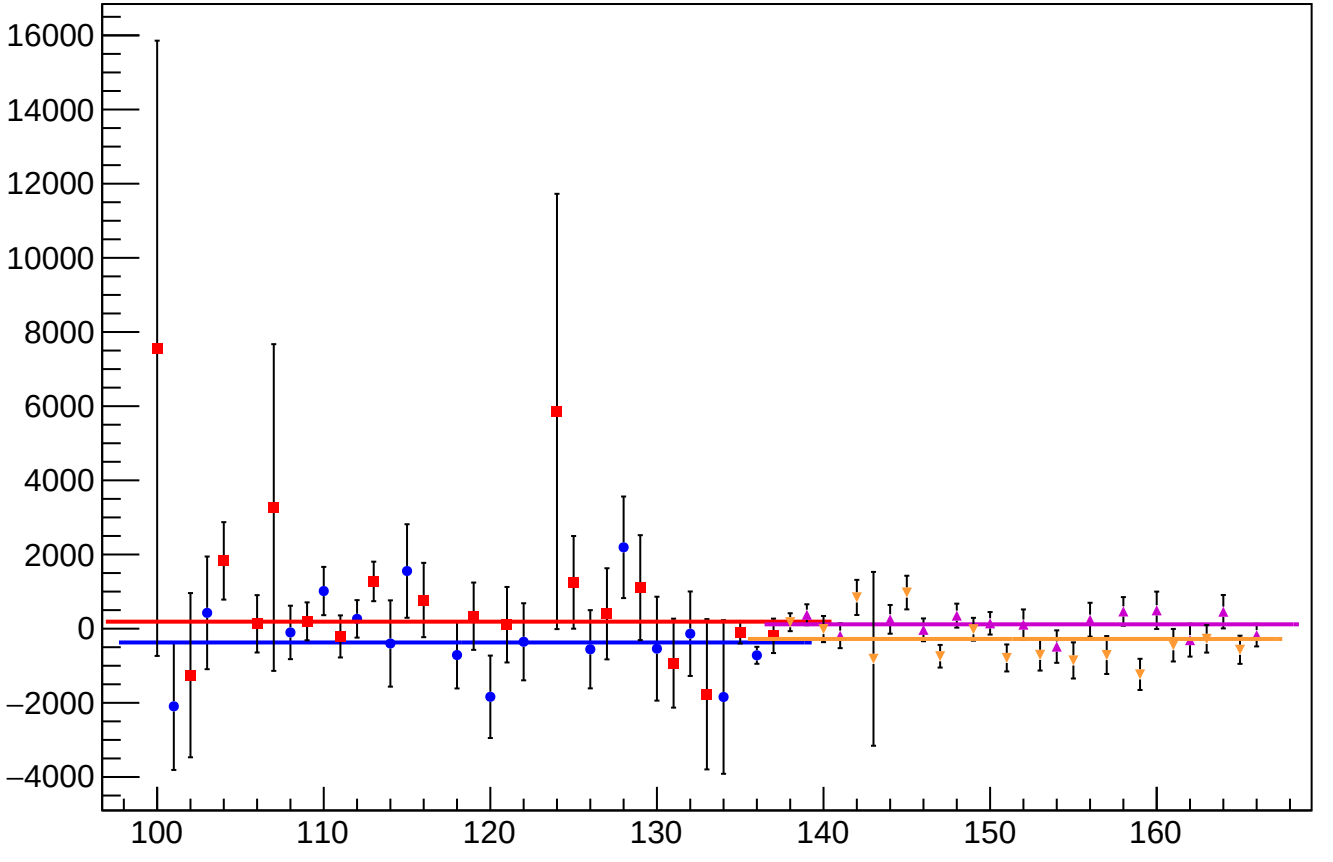
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1275.923+/-0.210 χ^2/NDF:535012.5/29

Out: 1291.119+/-0.210 χ^2/NDF:490442.4/33

All: 1283.505+/-0.148 χ^2/NDF: 1028073.3/63

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -277.637+/-98.911 χ^2/NDF:31.4/14

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 117.124+/-96.923 χ^2/NDF:8.3/13

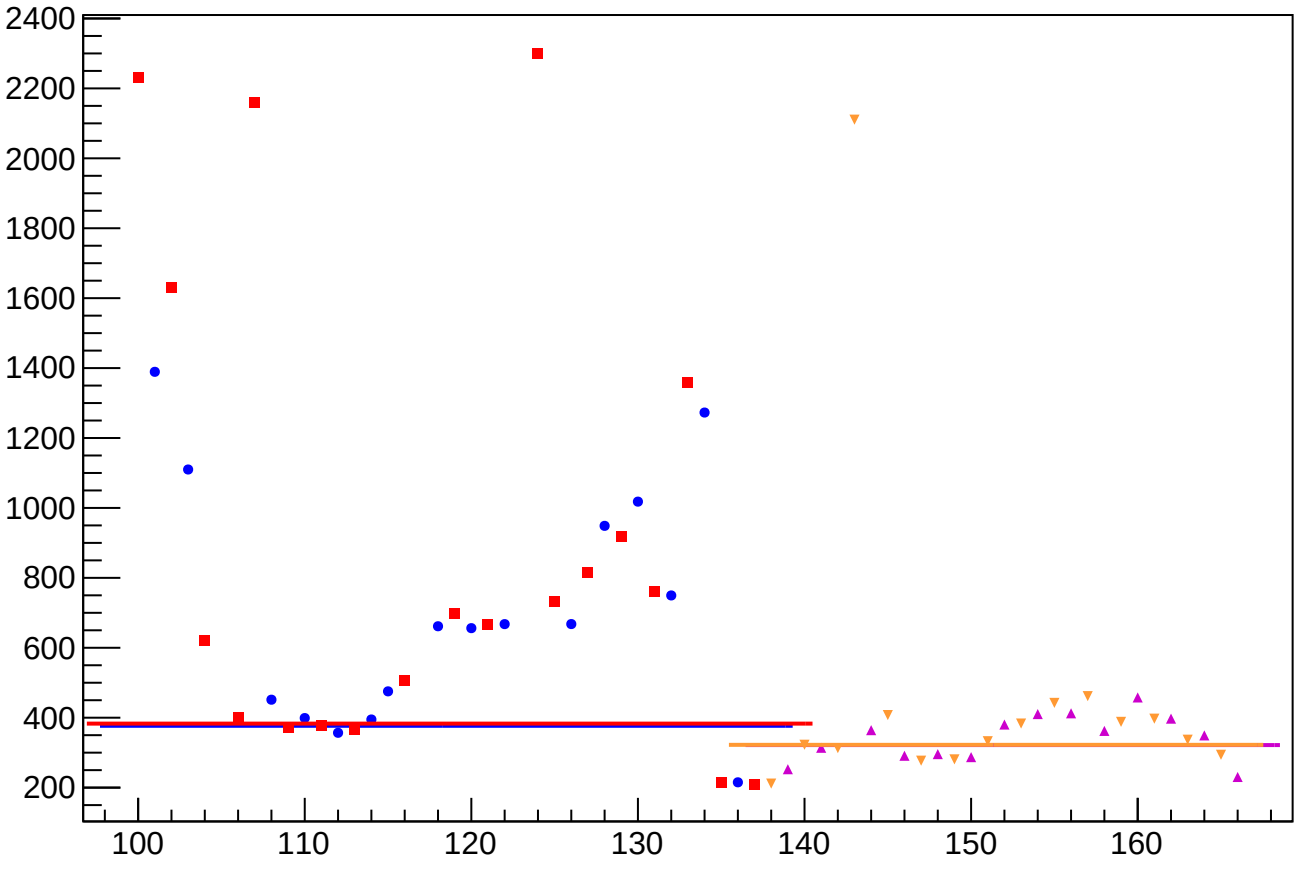
Left: -76.249+/-69.227 χ^2/NDF: 47.8/28

Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.880+/-83.979 χ^2/NDF:32.8/29

Out: -159.193+/-85.439 χ^2/NDF:51.7/33

All: -80.706+/-59.891 χ^2/NDF: 86.2/63



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 322.357+/-0.070 χ^2/NDF:2170940.0/14

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 321.695+/-0.069 χ^2/NDF:818237.7/13

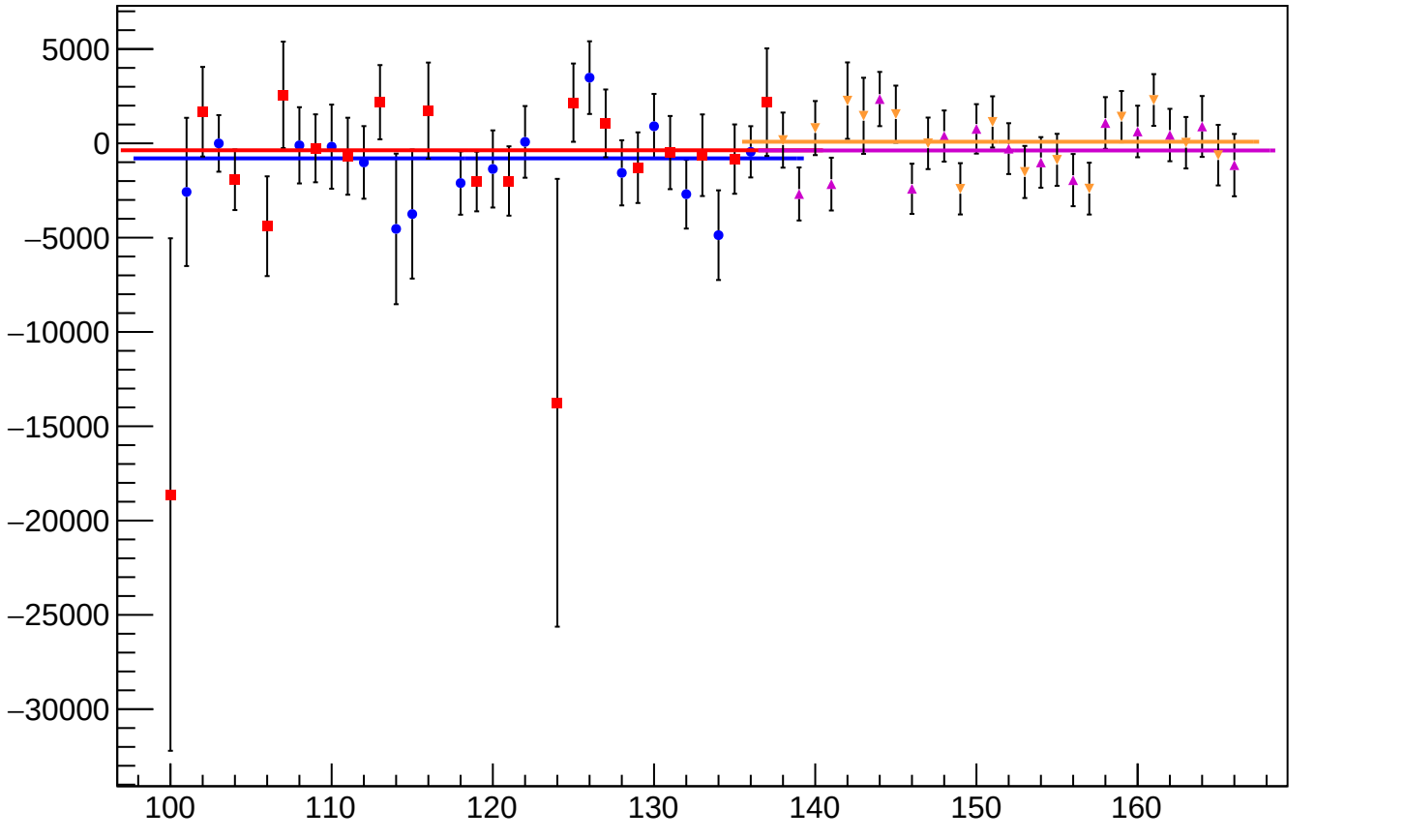
Left: 322.019+/-0.049 χ^2/NDF: 2989223.4/28

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.454+/-0.059 χ^2/NDF:5170124.0/29

Out: 337.770+/-0.060 χ^2/NDF:6416375.0/33

All: 336.592+/-0.042 χ^2/NDF: 11587246.8/63



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

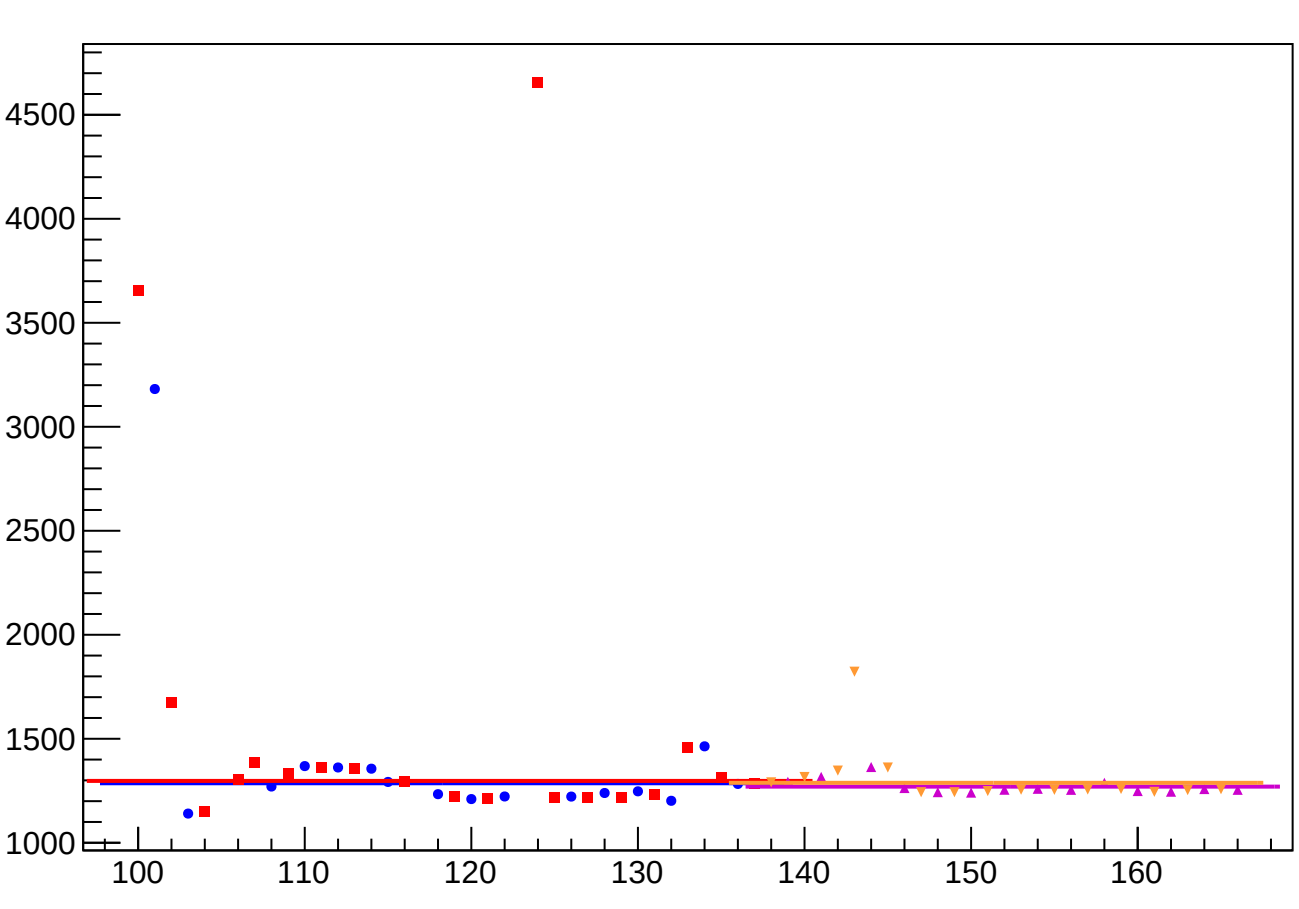
Left: -147.321+/-265.054 χ^2/NDF: 32.1/28

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -308.962+/-210.024 χ^2/NDF: 62.6/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

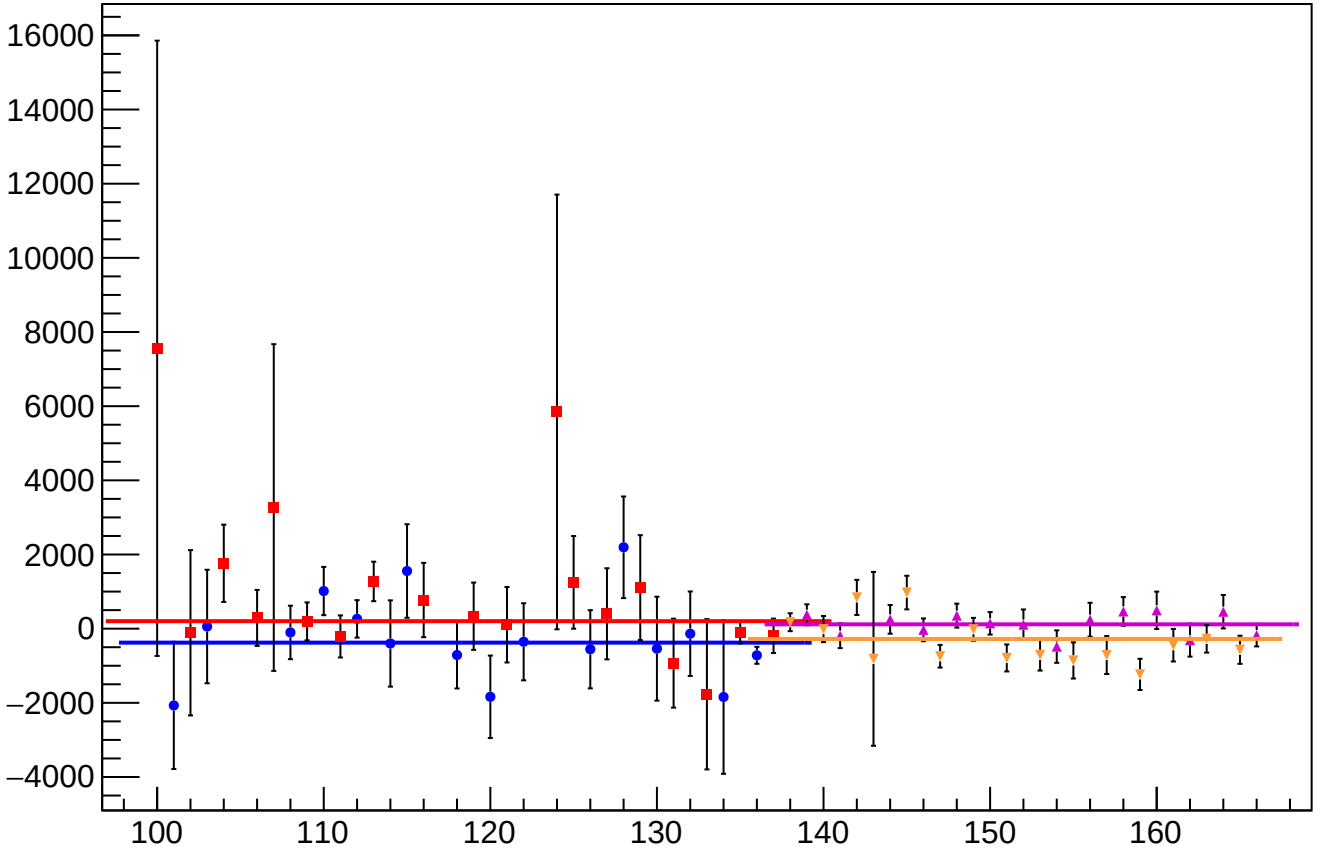
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1283.770+/-0.149 χ^2/NDF: 1028063.5/63

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -76.233+/-69.228 χ^2/NDF: 47.8/28

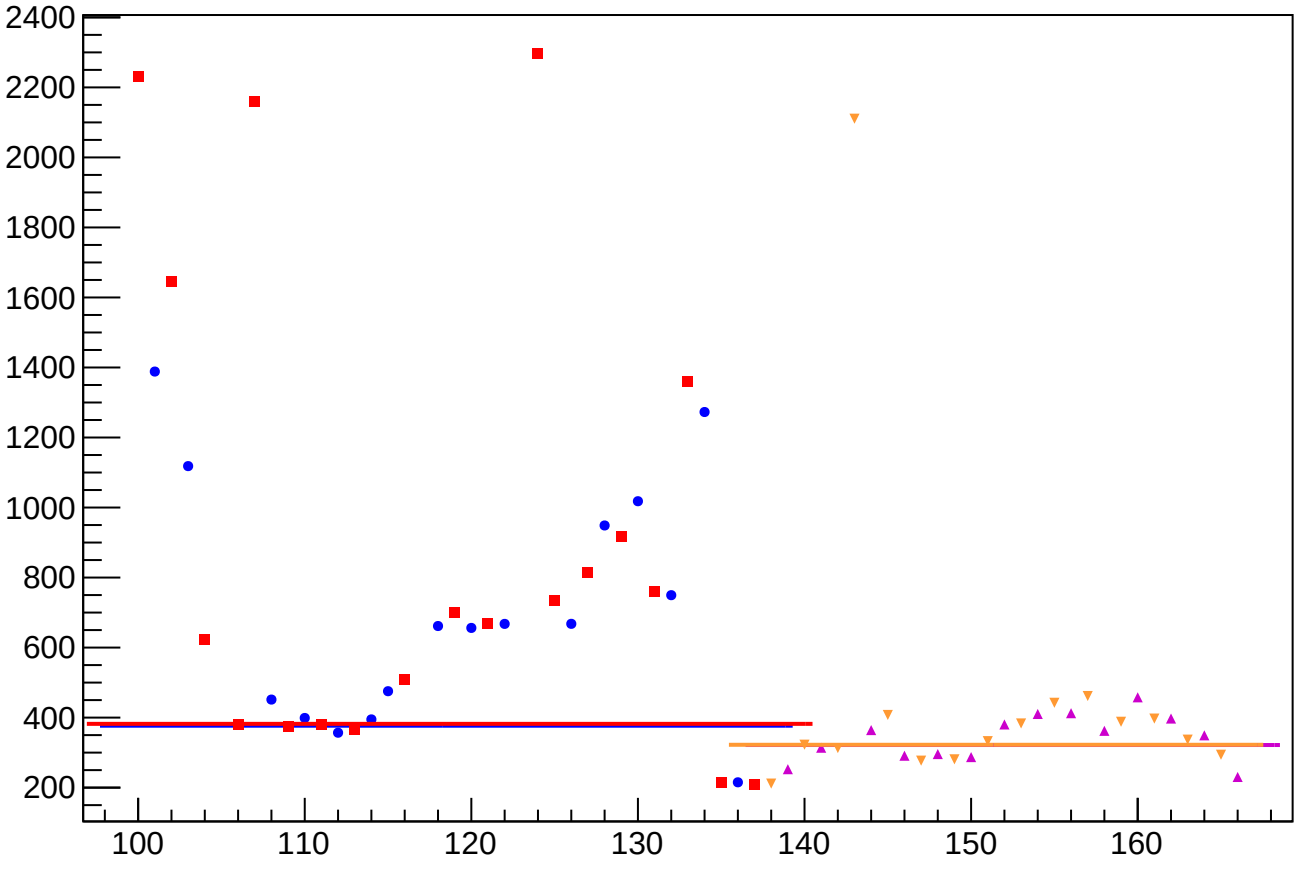
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -79.520+/-59.884 χ^2/NDF: 85.7/63

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

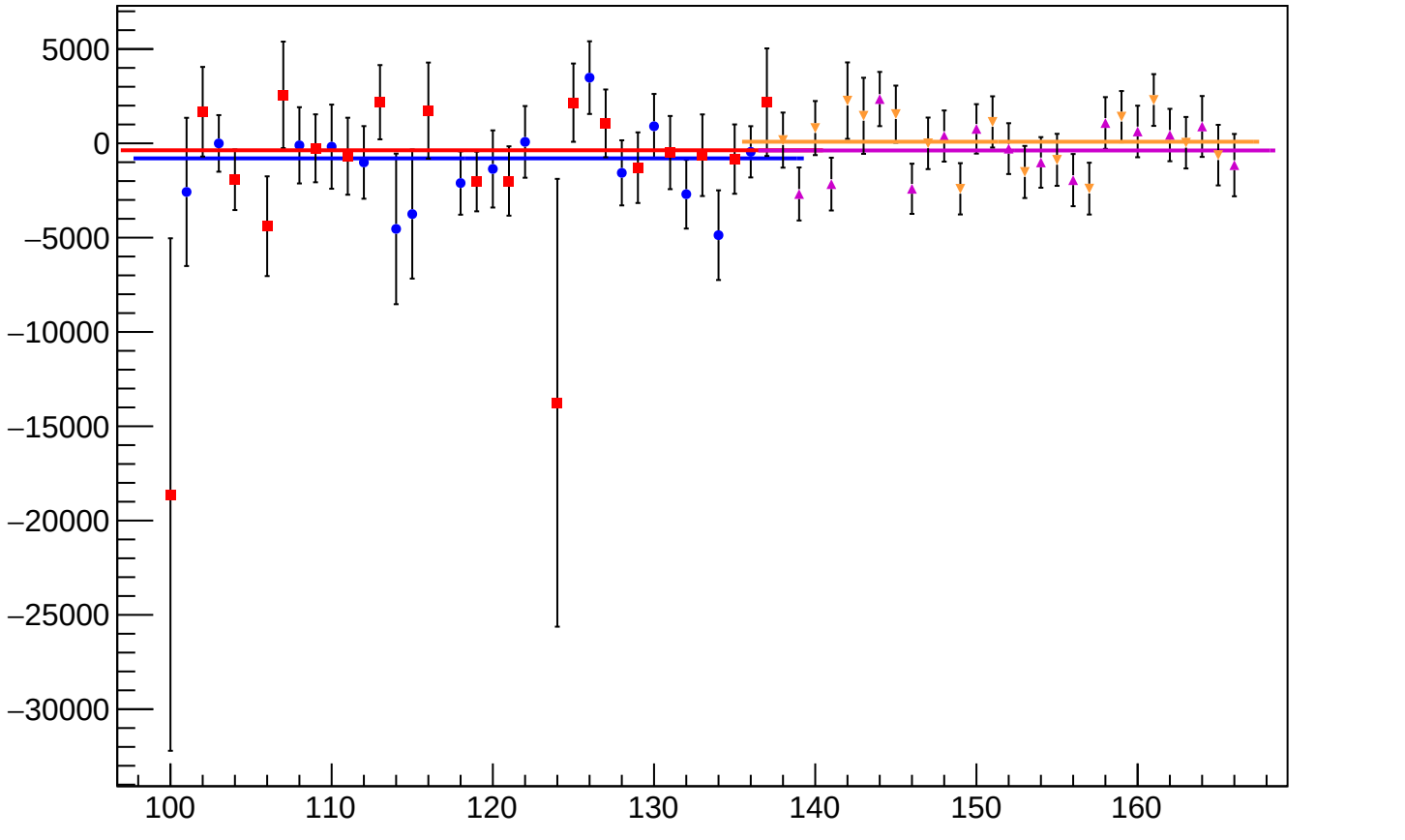
Left: 322.022+/-0.049 χ^2/NDF: 2989240.2/28

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 336.489+/-0.042 χ^2/NDF: 11590091.4/63



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

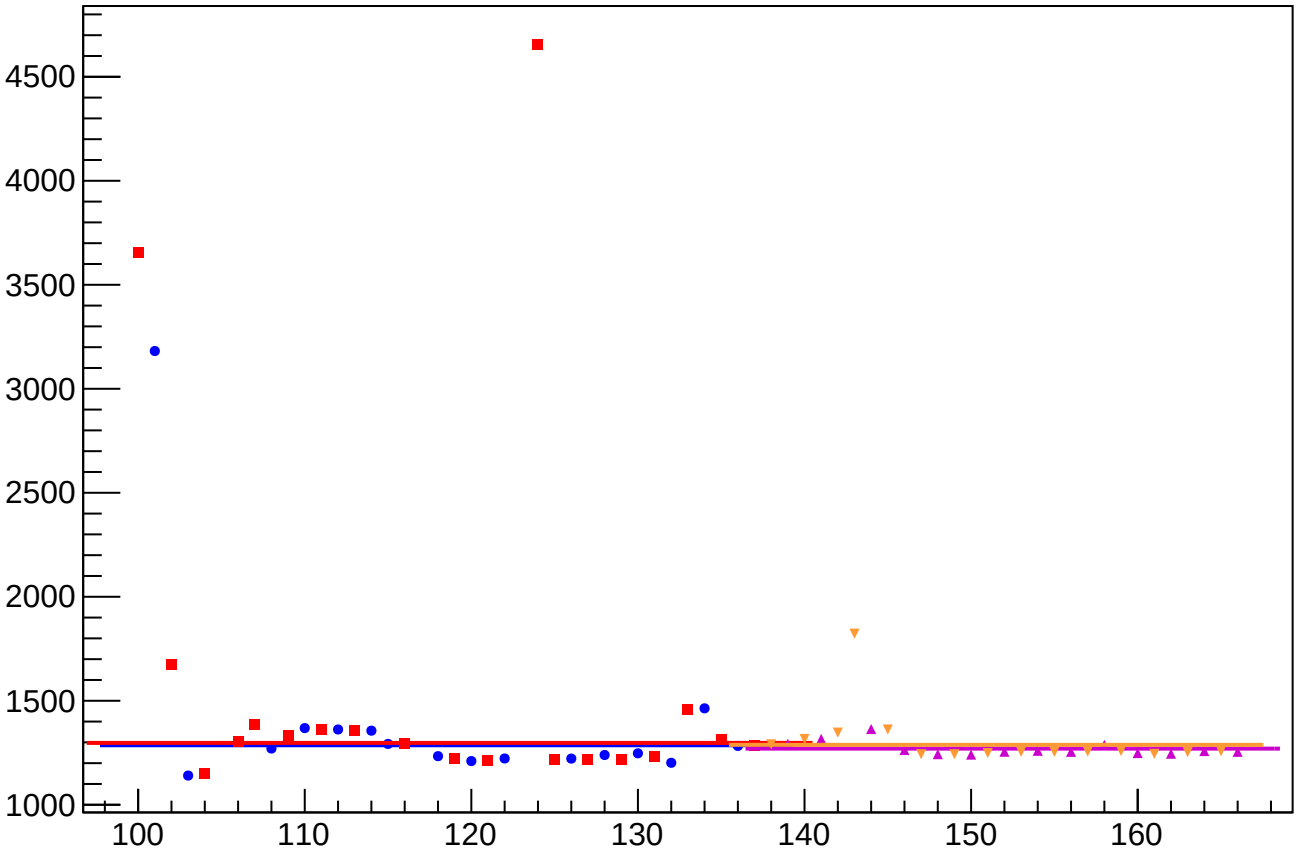
Left: -147.321+/-265.054 χ^2/NDF: 32.1/28

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -308.962+/-210.024 χ^2/NDF: 62.6/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

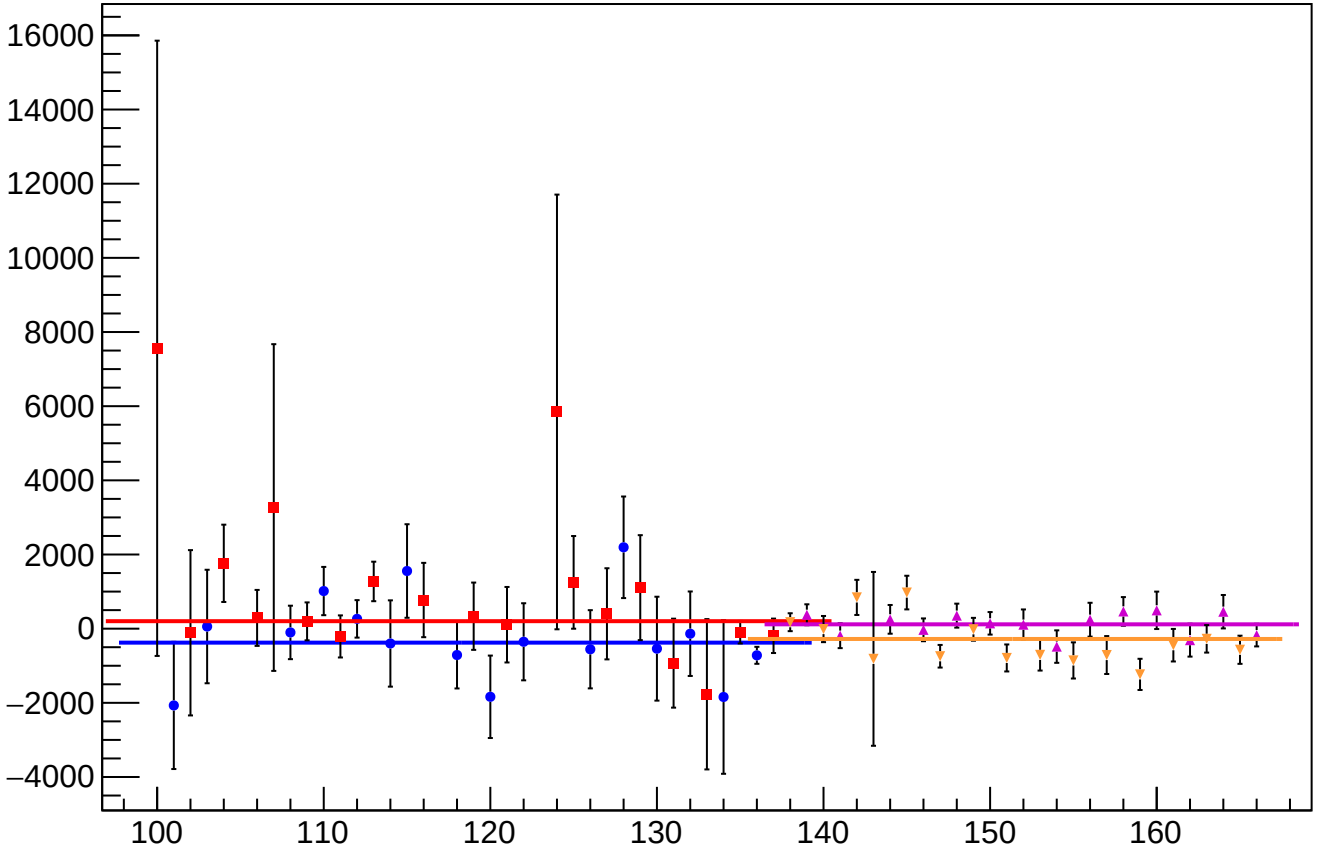
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1283.770+/-0.149 χ^2/NDF: 1028063.5/63

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -76.233+/-69.228 χ^2/NDF: 47.8/28

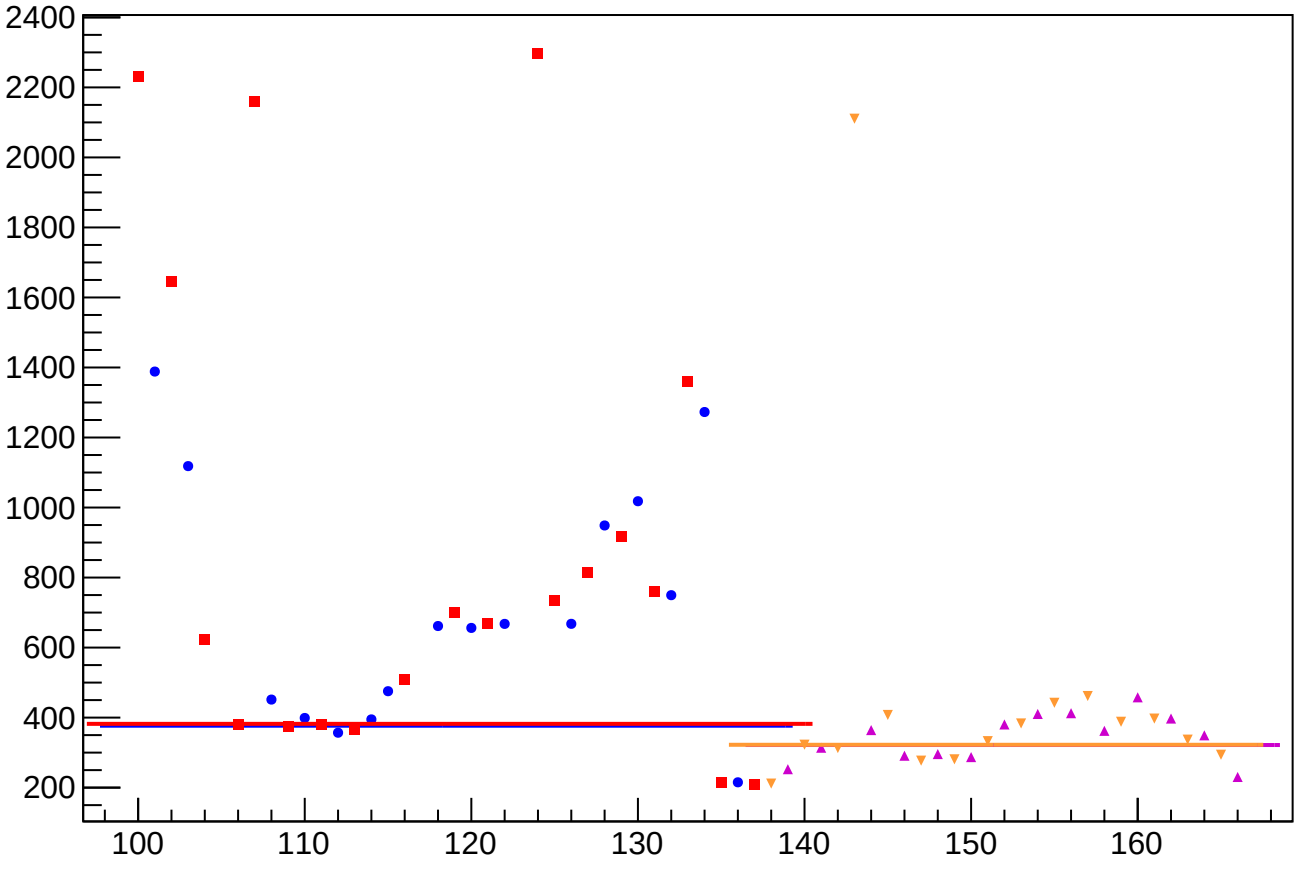
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -79.520+/-59.884 χ^2/NDF: 85.7/63

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

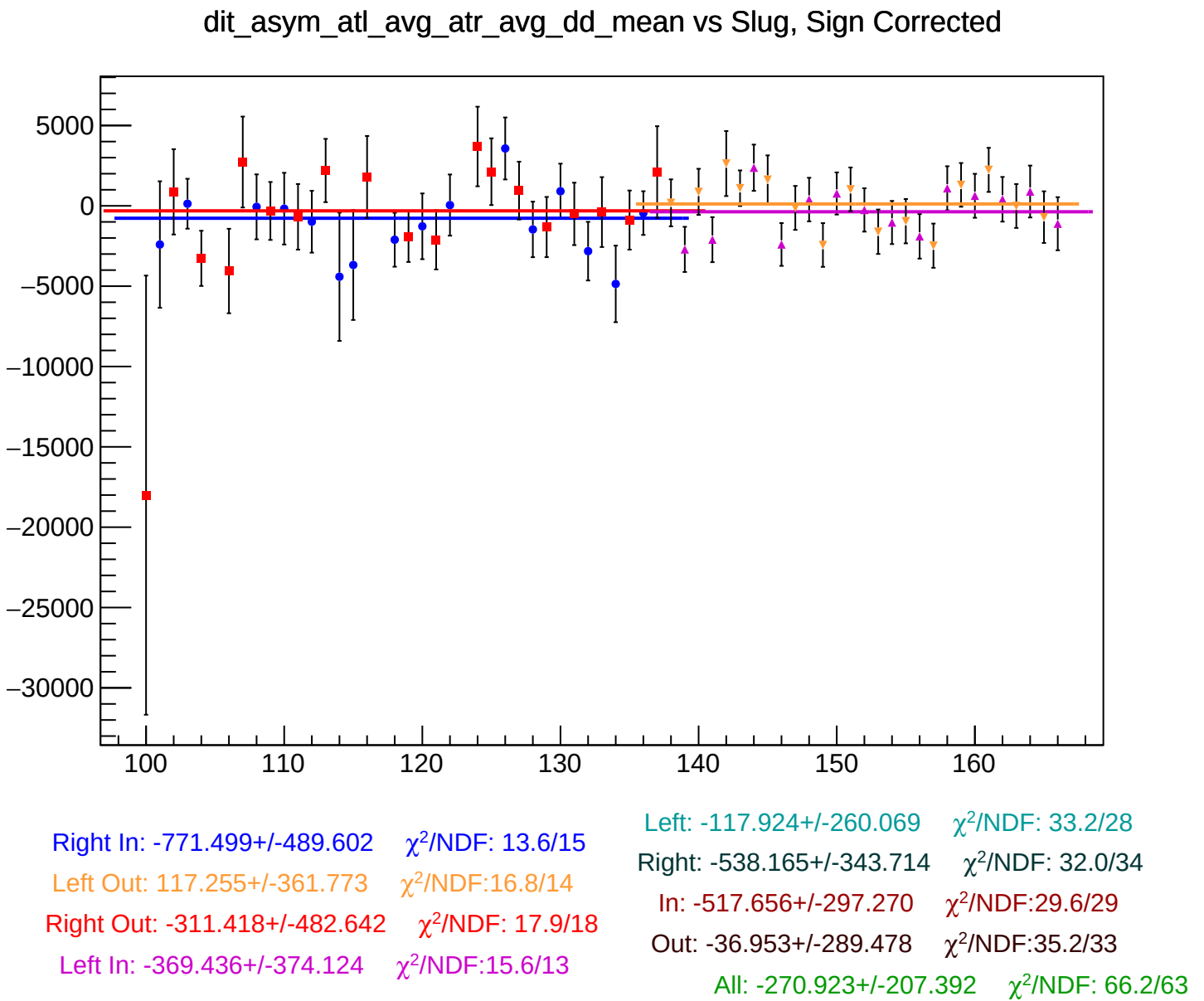
Left: 322.022+/-0.049 χ^2/NDF: 2989240.2/28

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

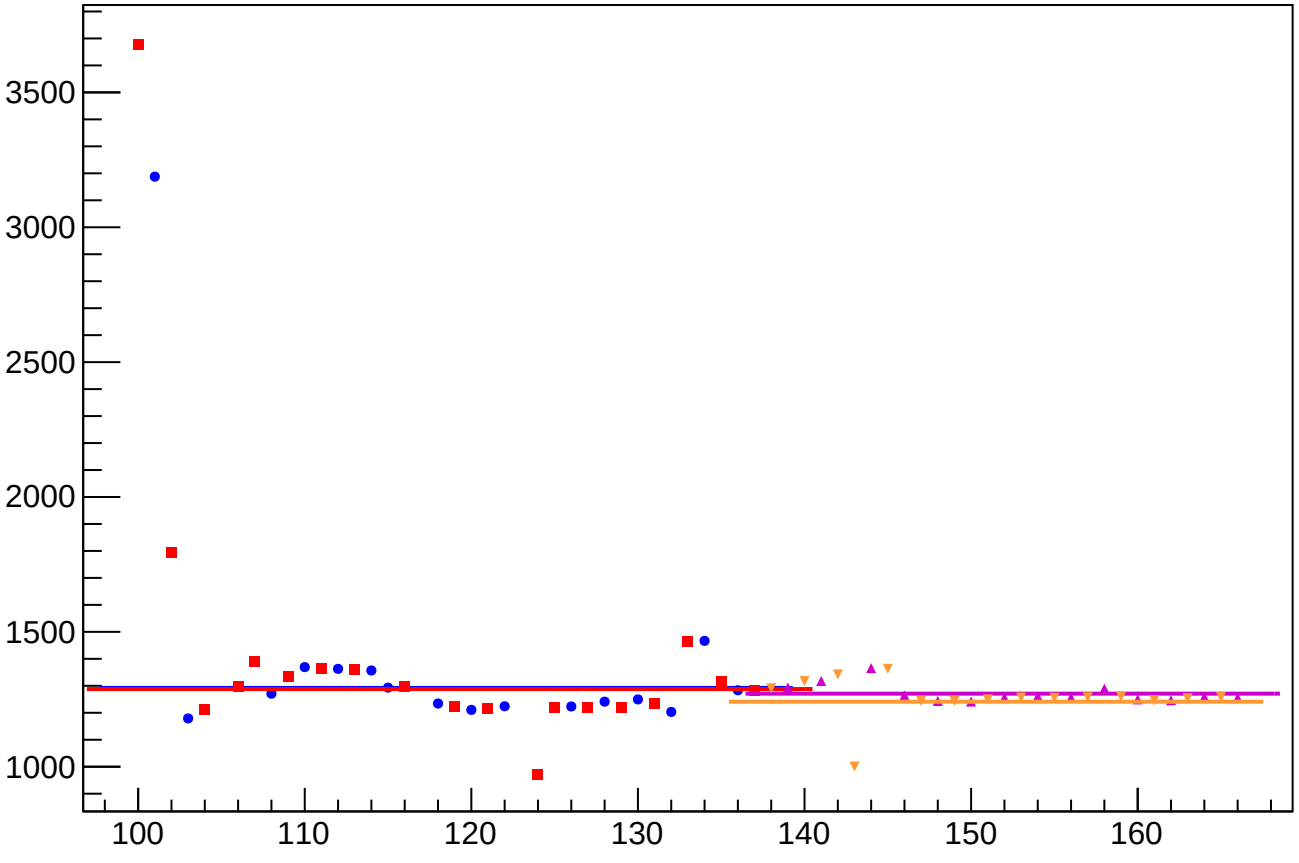
In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 336.489+/-0.042 χ^2/NDF: 11590091.4/63


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 117.255+/-361.773 χ²/NDF:16.8/14
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -369.436+/-374.124 χ²/NDF:15.6/13
Left: -117.924+/-260.069 χ²/NDF: 33.2/28
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -517.656+/-297.270 χ²/NDF:29.6/29
Out: -36.953+/-289.478 χ²/NDF:35.2/33
All: -270.923+/-207.392 χ²/NDF: 66.2/63

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122152.0/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.3/13

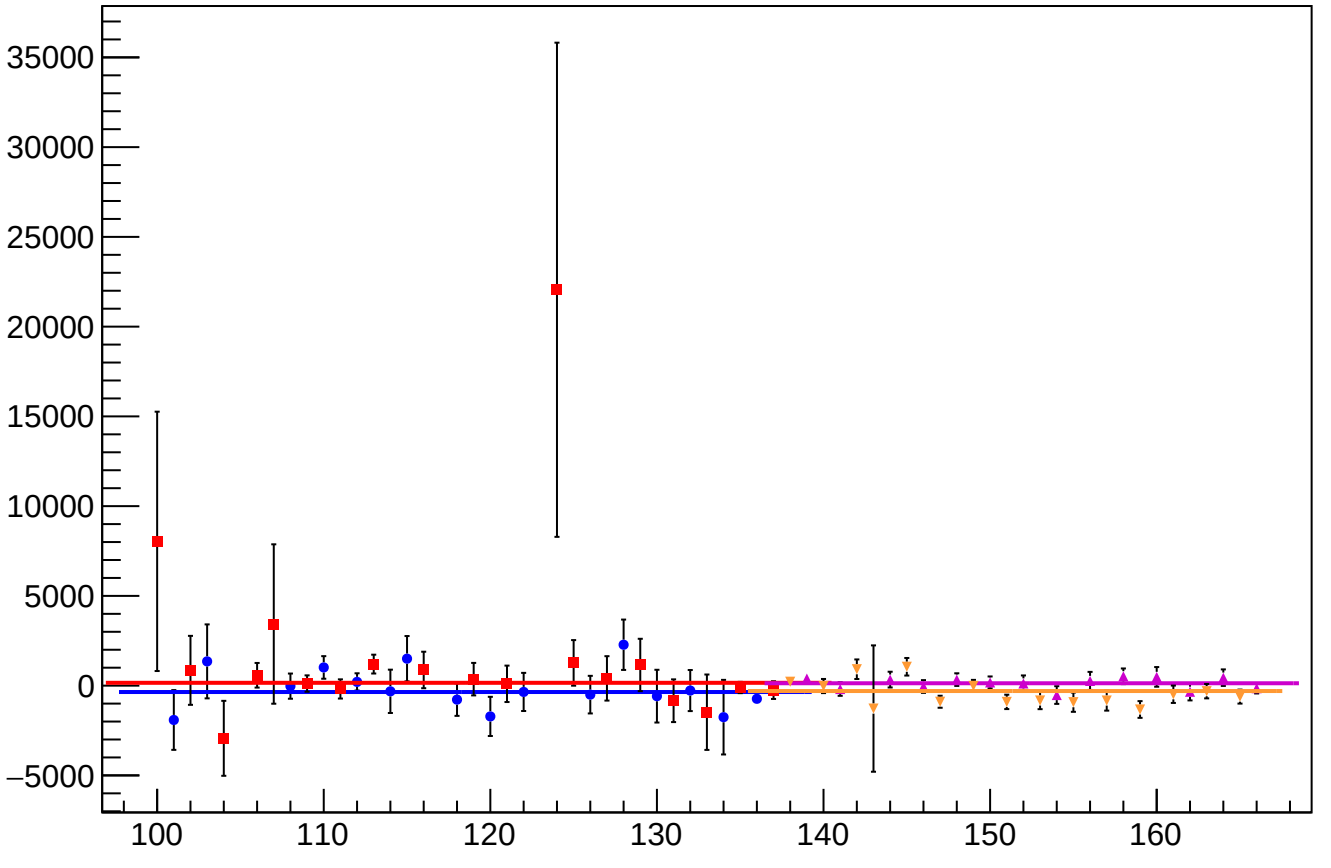
Left: 1255.445+/-0.184 χ^2/NDF: 144355.4/28

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.900+/-0.205 χ^2/NDF:343501.1/33

All: 1268.020+/-0.147 χ^2/NDF: 875882.6/63



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -300.317+/-106.857 χ^2/NDF:32.9/14

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 133.328+/-103.813 χ^2/NDF:7.8/13

Left: -77.231+/-74.460 χ^2/NDF: 49.2/28

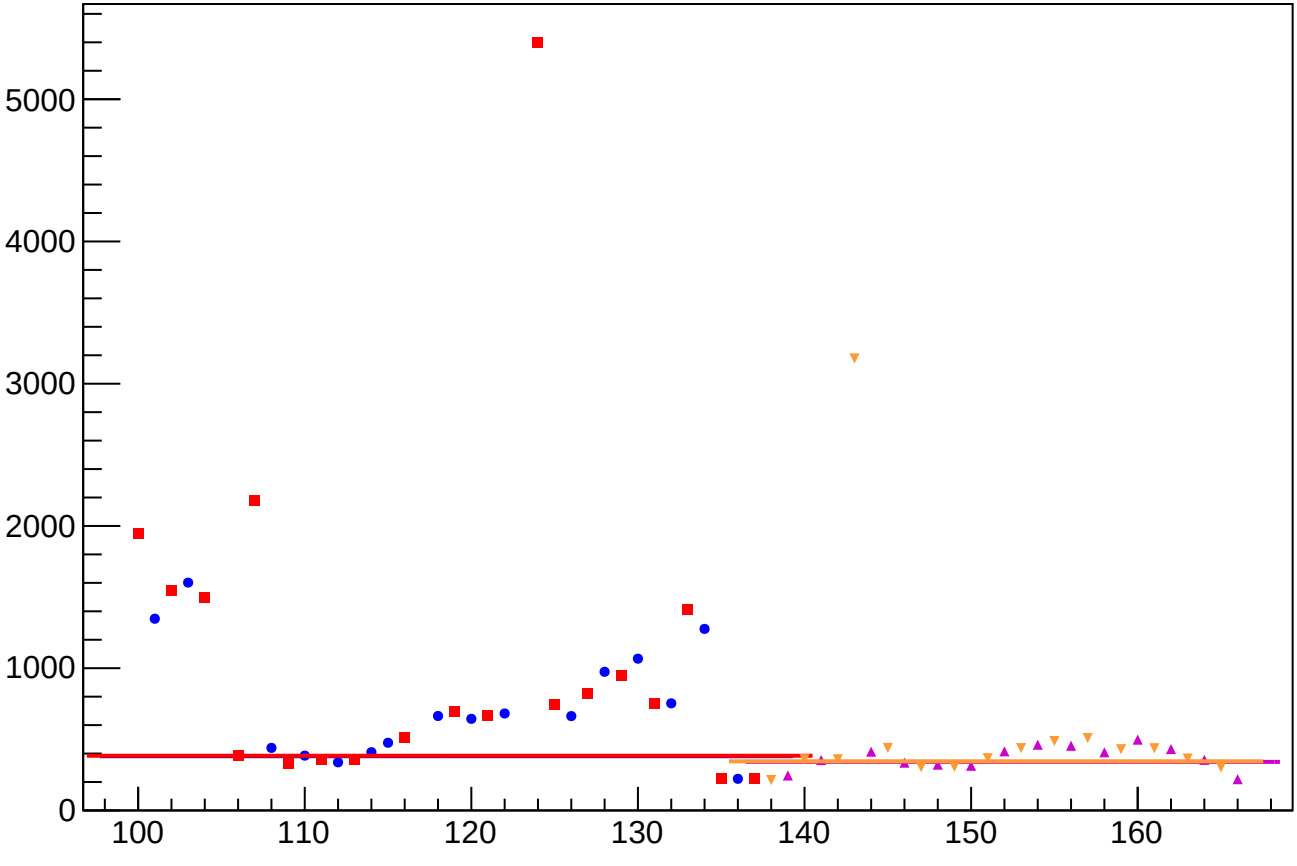
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 0.593+/-88.595 χ^2/NDF:32.3/29

Out: -170.173+/-90.418 χ^2/NDF:54.0/33

All: -83.051+/-63.281 χ^2/NDF: 88.1/63

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 345.379+/-0.076 χ^2/NDF:2571828.7/14

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 341.365+/-0.073 χ^2/NDF:1221700.0/13

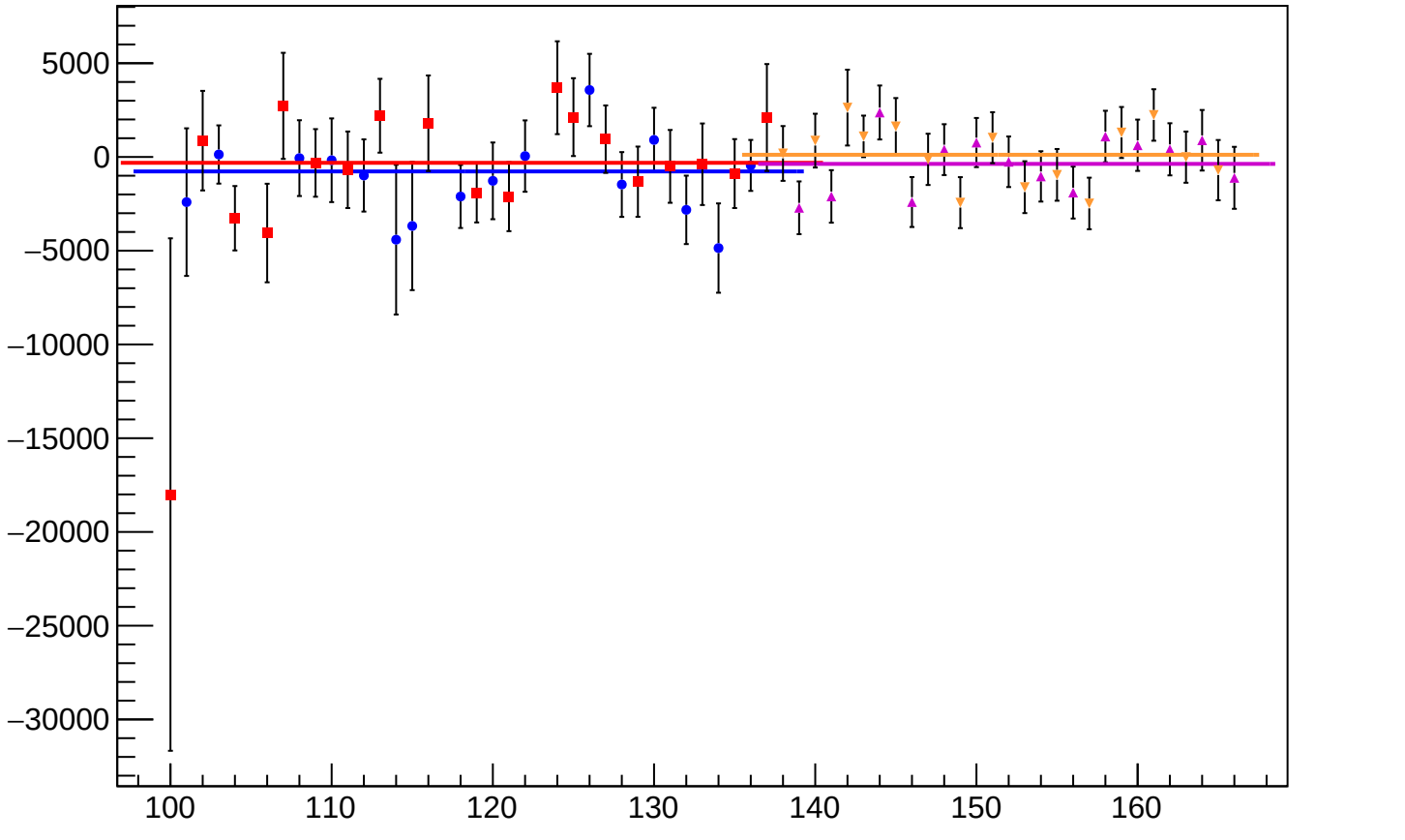
Left: 343.314+/-0.053 χ^2/NDF: 3794980.5/28

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.229+/-0.063 χ^2/NDF:5620227.7/29

Out: 356.533+/-0.064 χ^2/NDF:7208756.6/33

All: 354.337+/-0.045 χ^2/NDF: 12831296.5/63



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -369.436+/-374.124 χ^2/NDF:15.6/13

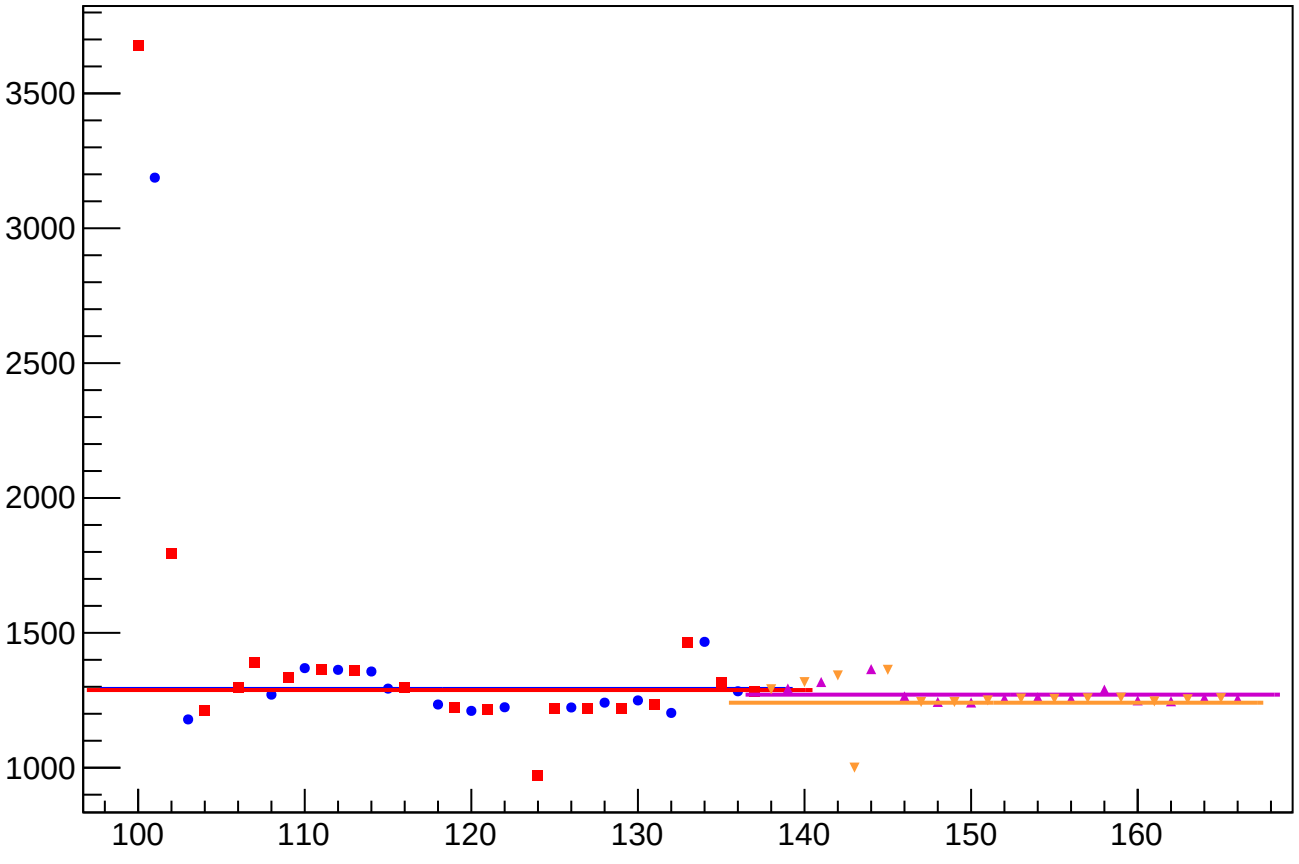
Left: -117.924+/-260.069 χ^2/NDF: 33.2/28

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -517.657+/-297.270 χ^2/NDF:29.6/29

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -270.923+/-207.392 χ^2/NDF: 66.2/63



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122151.2/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.4/13

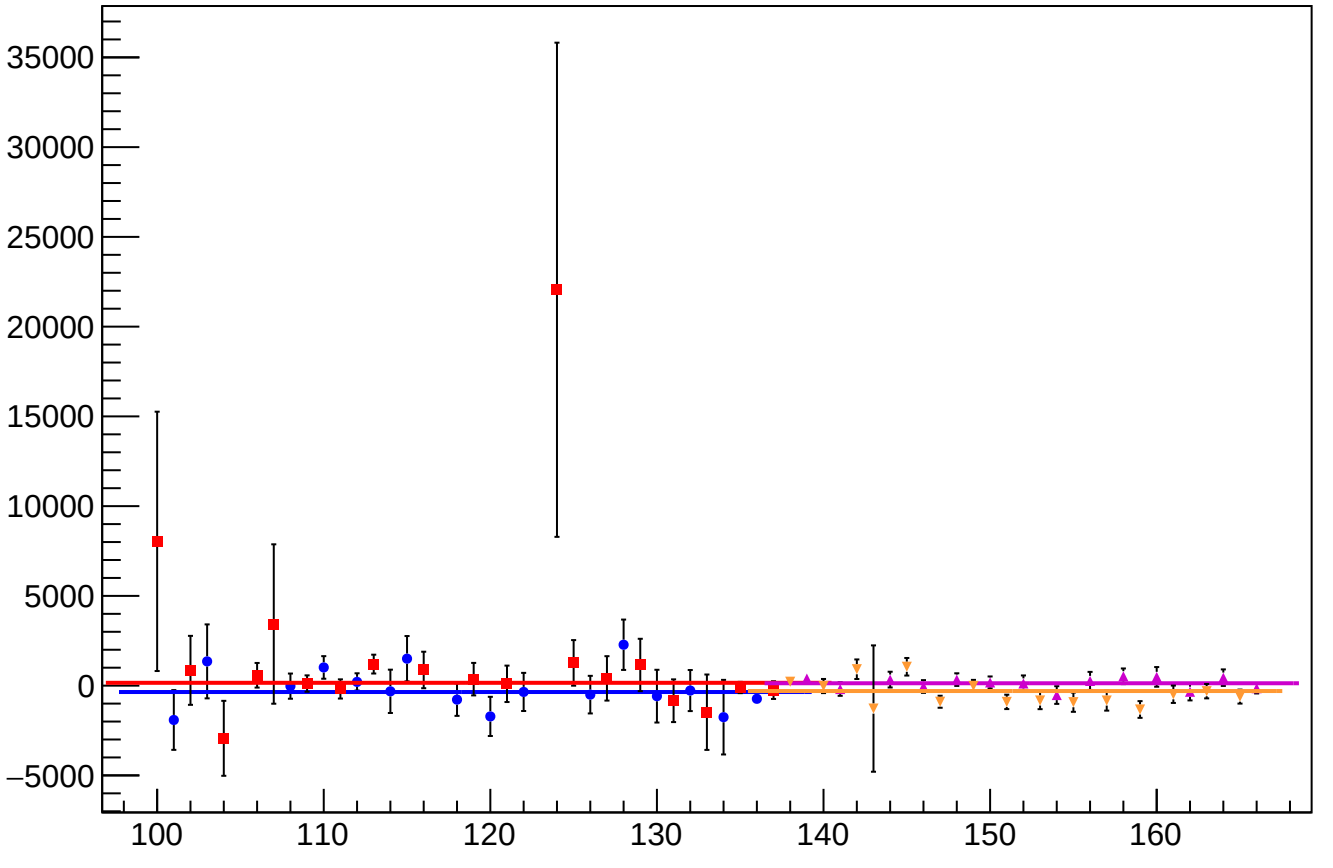
Left: 1255.445+/-0.184 χ^2/NDF: 144354.5/28

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.900+/-0.205 χ^2/NDF:343500.5/33

All: 1268.020+/-0.147 χ^2/NDF: 875882.0/63



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -300.327+/-106.858 χ^2/NDF:32.9/14

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 133.327+/-103.814 χ^2/NDF:7.8/13

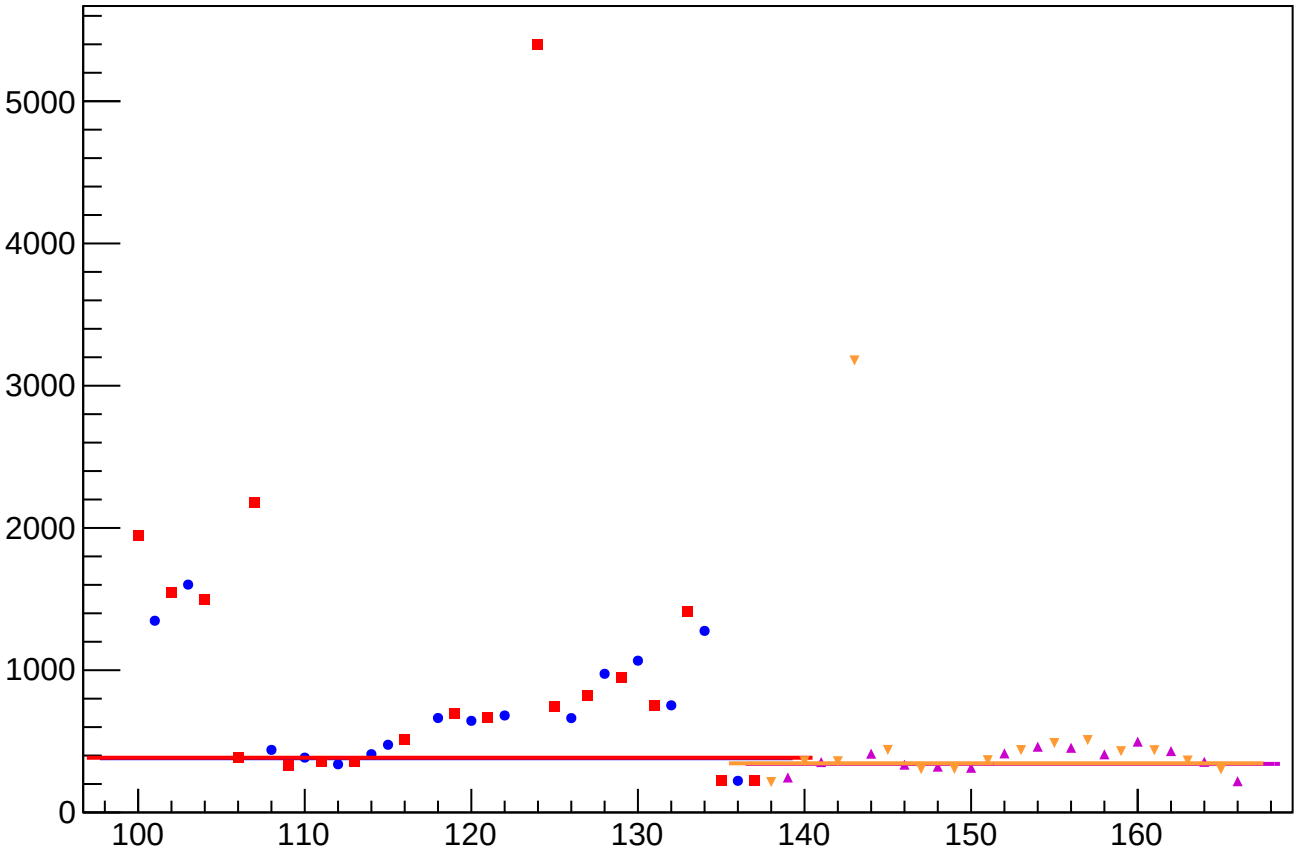
Left: -77.235+/-74.460 χ^2/NDF: 49.2/28

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 0.594+/-88.596 χ^2/NDF:32.3/29

Out: -170.180+/-90.419 χ^2/NDF:54.0/33

All: -83.054+/-63.282 χ^2/NDF: 88.1/63



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 341.368+/-0.073 χ^2/NDF:1221623.5/13

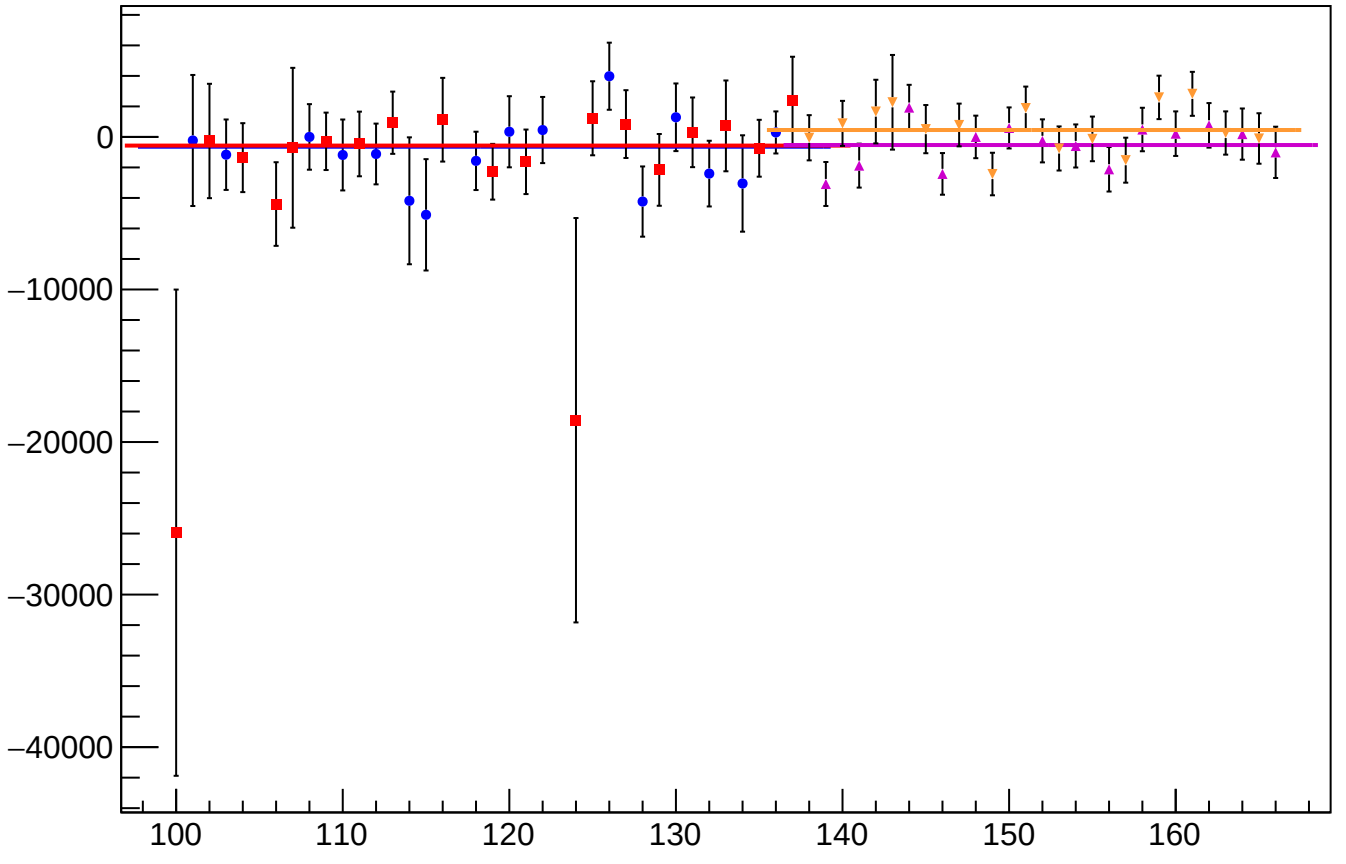
Left: 343.318+/-0.053 χ^2/NDF: 3794726.8/28

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.233+/-0.063 χ^2/NDF:5619992.9/29

Out: 356.539+/-0.064 χ^2/NDF:7208446.0/33

All: 354.342+/-0.045 χ^2/NDF: 12830752.4/63



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -530.752+/-388.427 χ^2/NDF:12.5/13

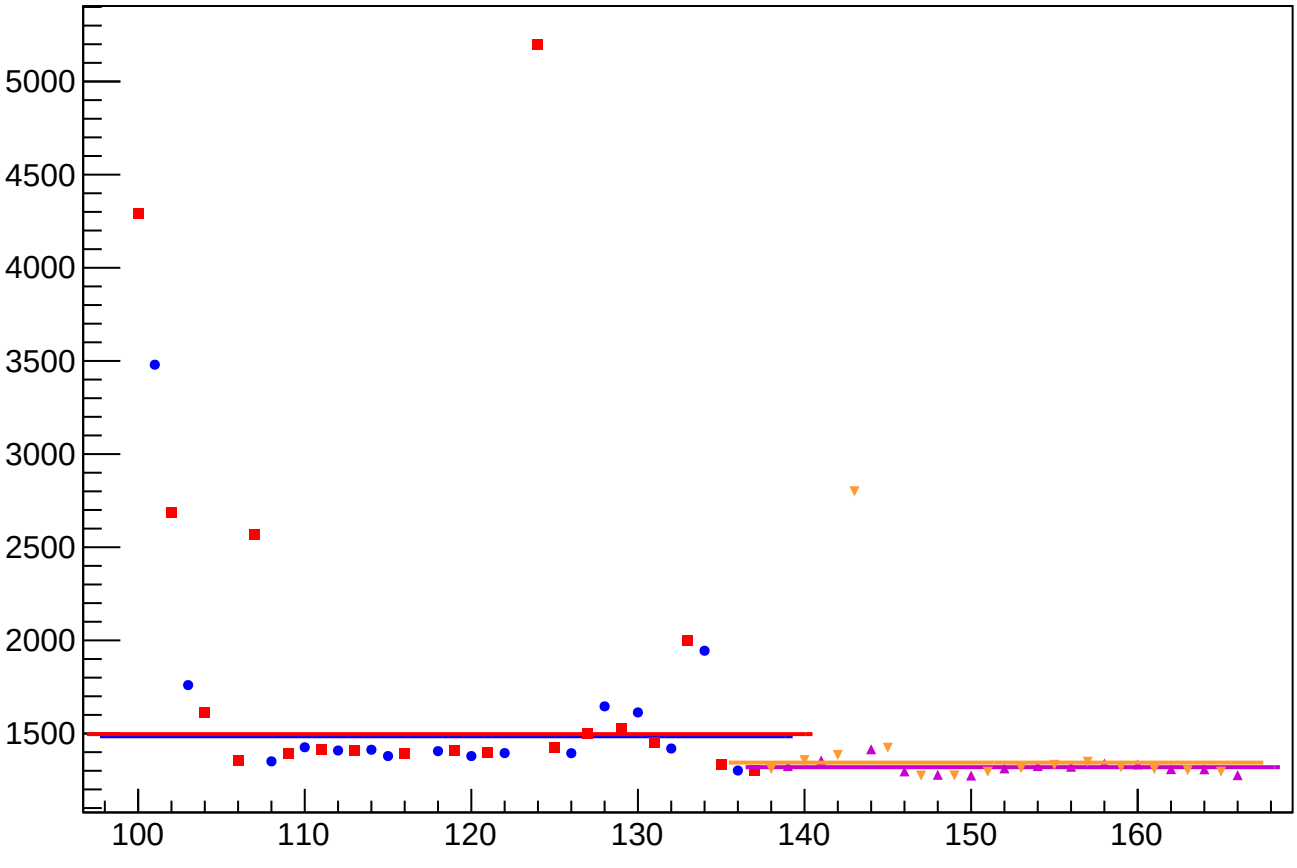
Left: -46.410+/-276.864 χ^2/NDF: 29.7/28

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -566.132+/-319.967 χ^2/NDF:25.0/29

Out: 120.295+/-323.920 χ^2/NDF:27.5/33

All: -227.132+/-227.636 χ^2/NDF: 54.8/63



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1319.430+/-0.275 χ^2/NDF:16212.5/13

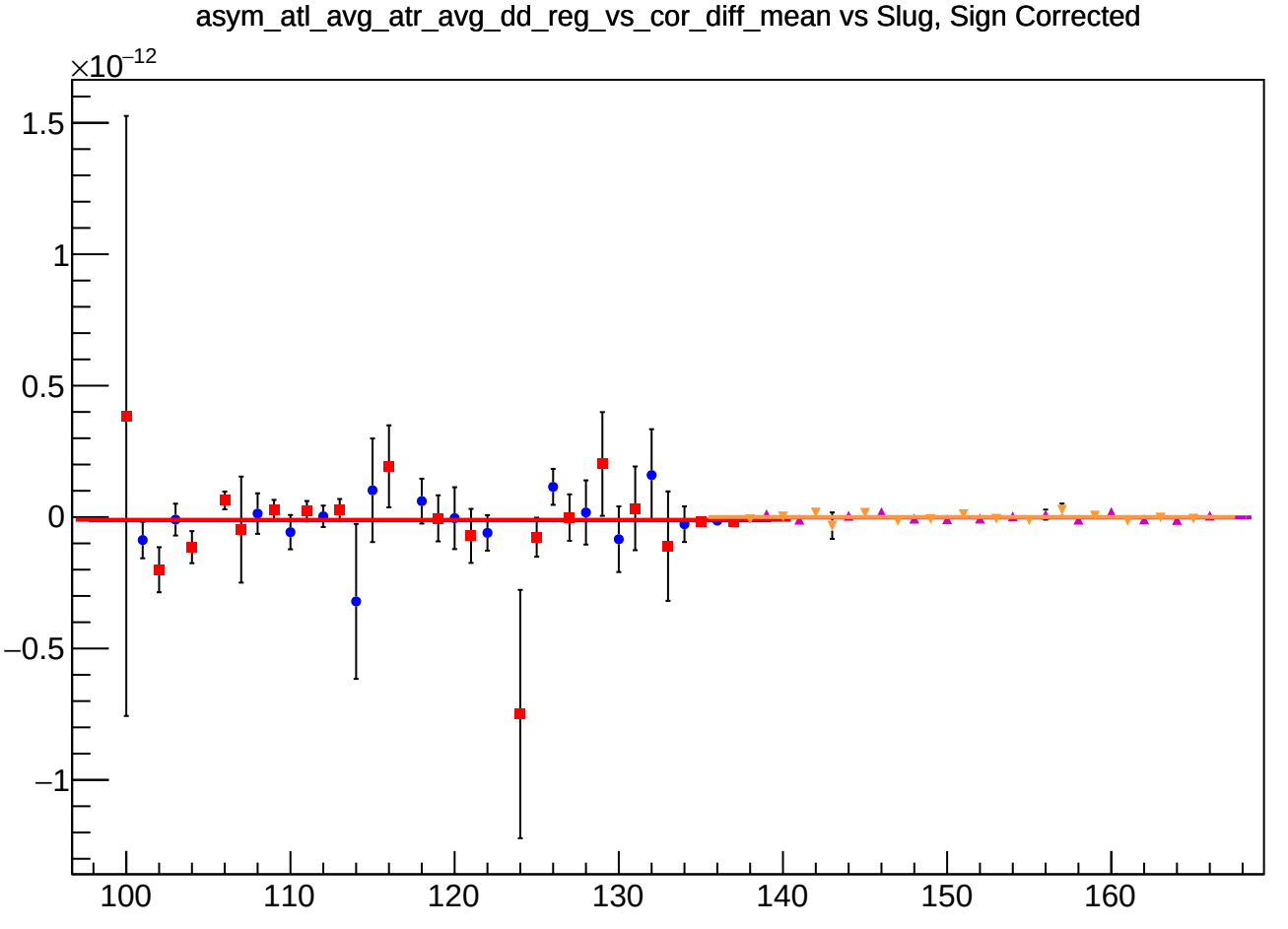
Left: 1331.545+/-0.196 χ^2/NDF: 486288.5/28

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1372.769+/-0.226 χ^2/NDF:718011.2/29

Out: 1393.969+/-0.229 χ^2/NDF:1187308.4/33

All: 1383.239+/-0.161 χ^2/NDF: 1909655.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/13

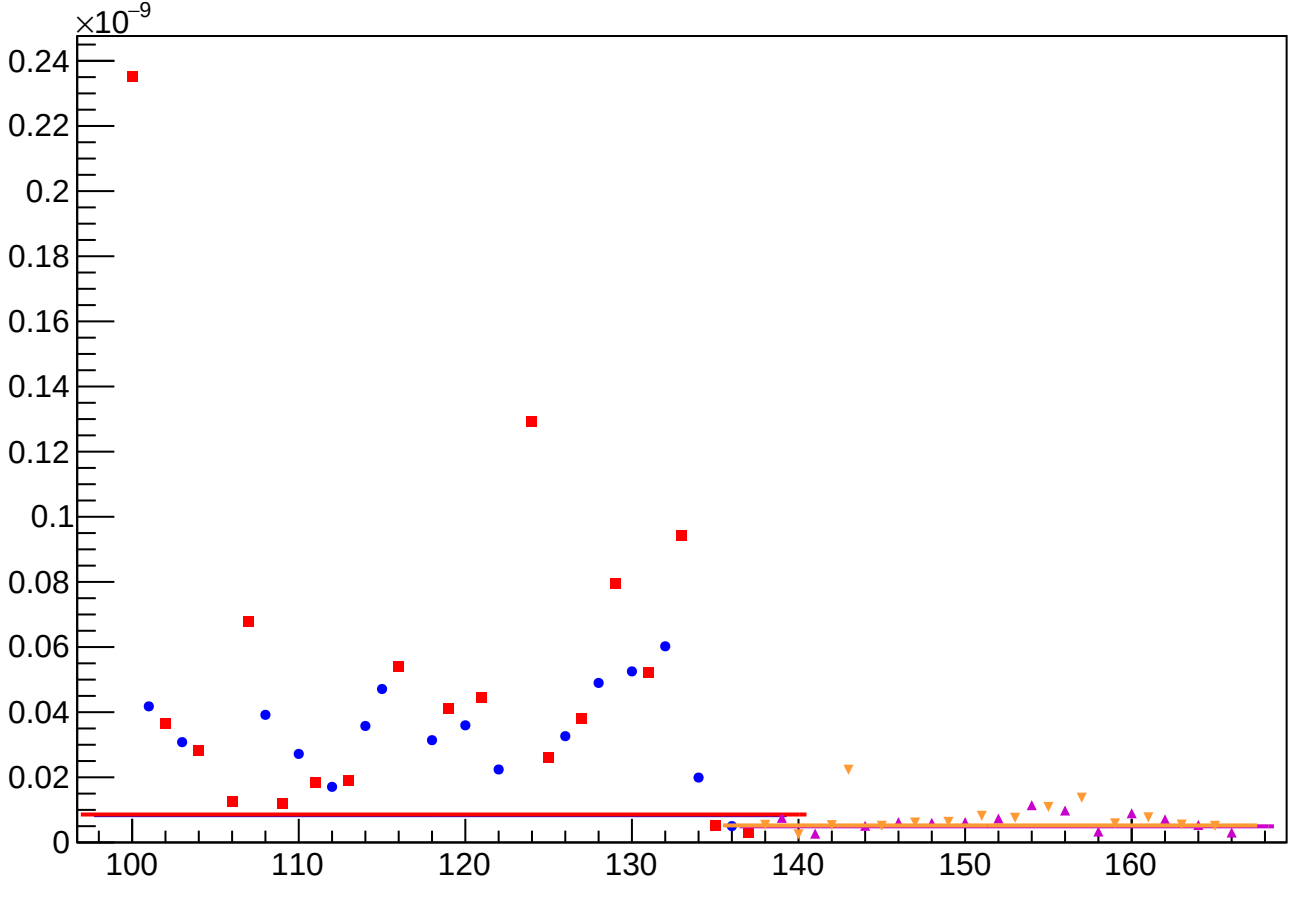
Left: -0.000+/-0.000 χ^2/NDF: 29.1/28

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: -0.000+/-0.000 χ^2/NDF:38.0/33

All: -0.000+/-0.000 χ^2/NDF: 64.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619478.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1441224.5/13

Left: 0.000+/-0.000 χ^2/NDF: 3072589.8/28

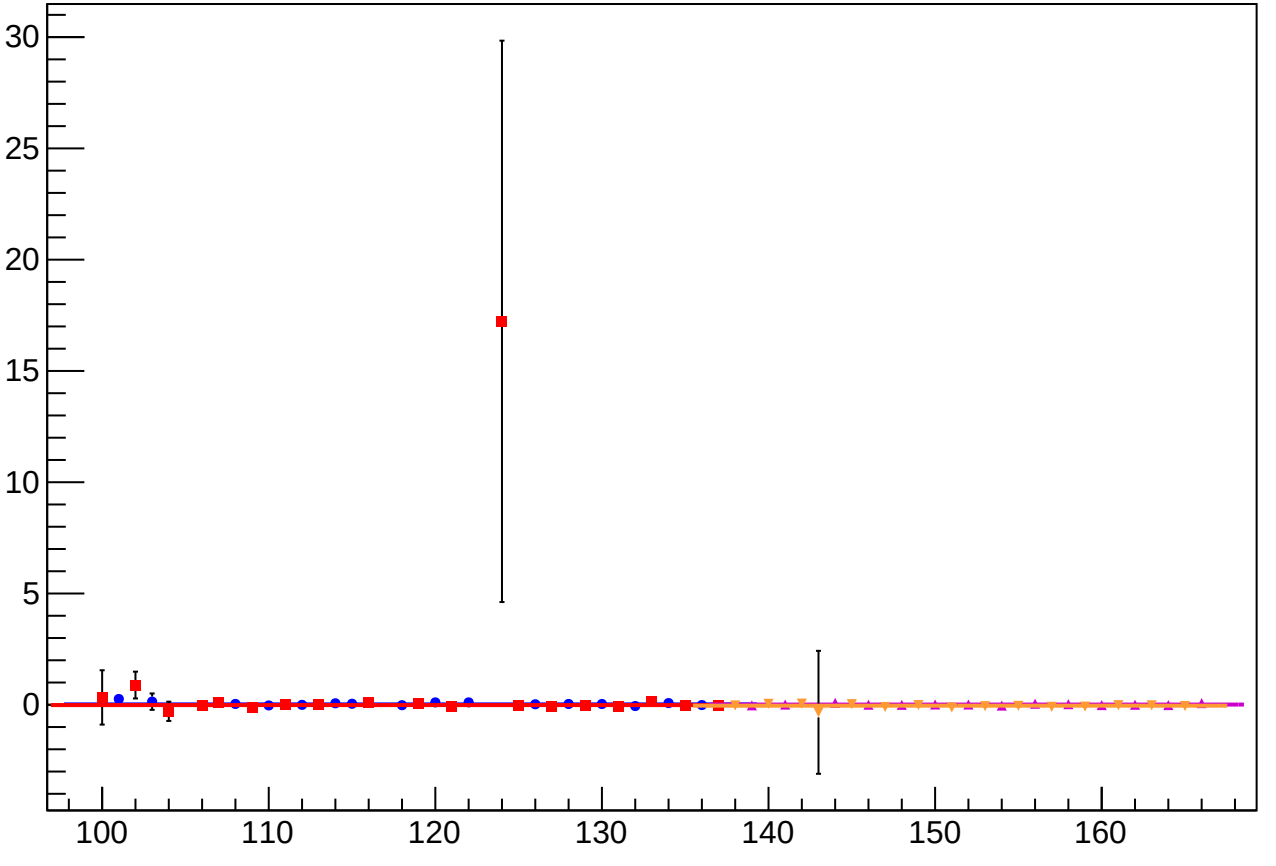
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4882482.0/29

Out: 0.000+/-0.000 χ^2/NDF:5282980.8/33

All: 0.000+/-0.000 χ^2/NDF: 10175585.0/63

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

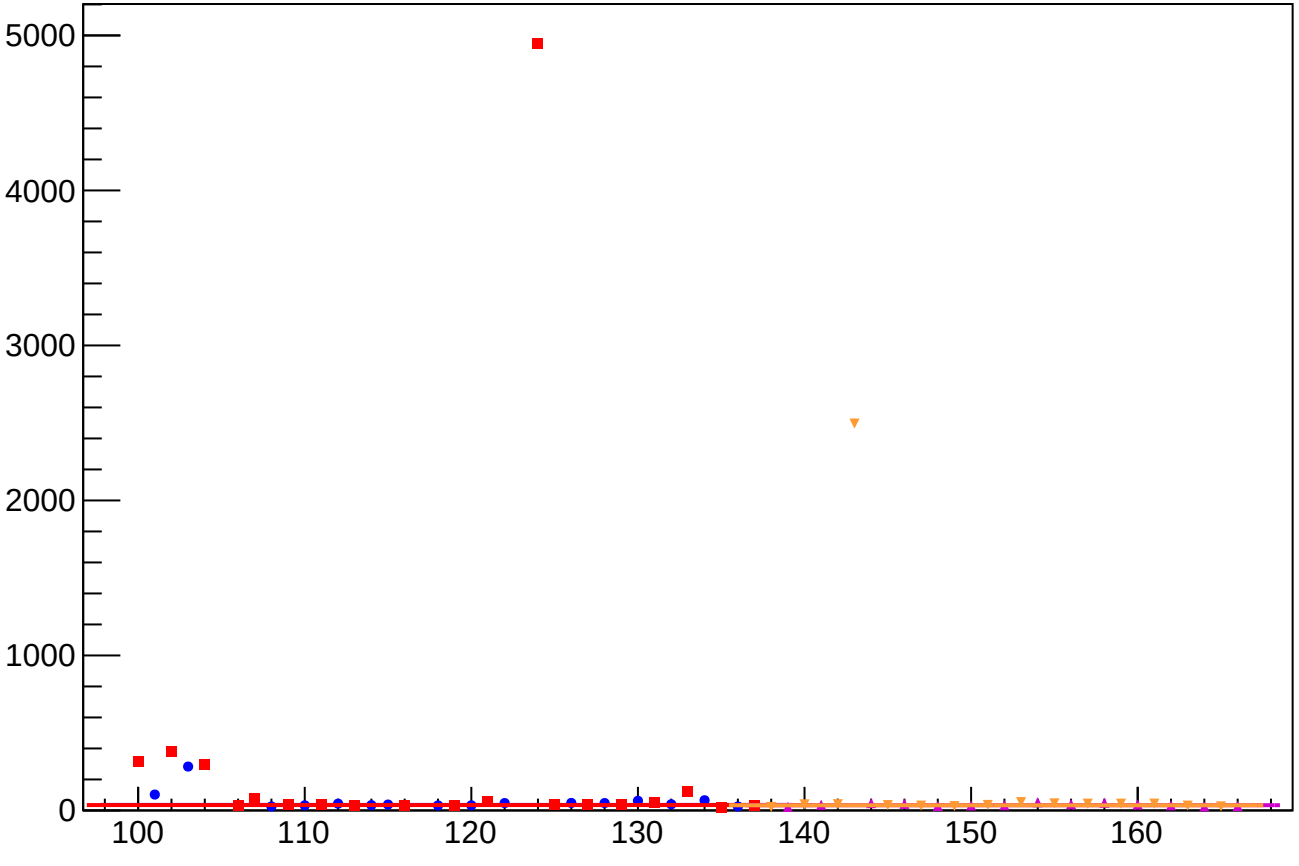
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

Left: 33.668+/-0.005 χ^2/NDF: 3798121.9/28

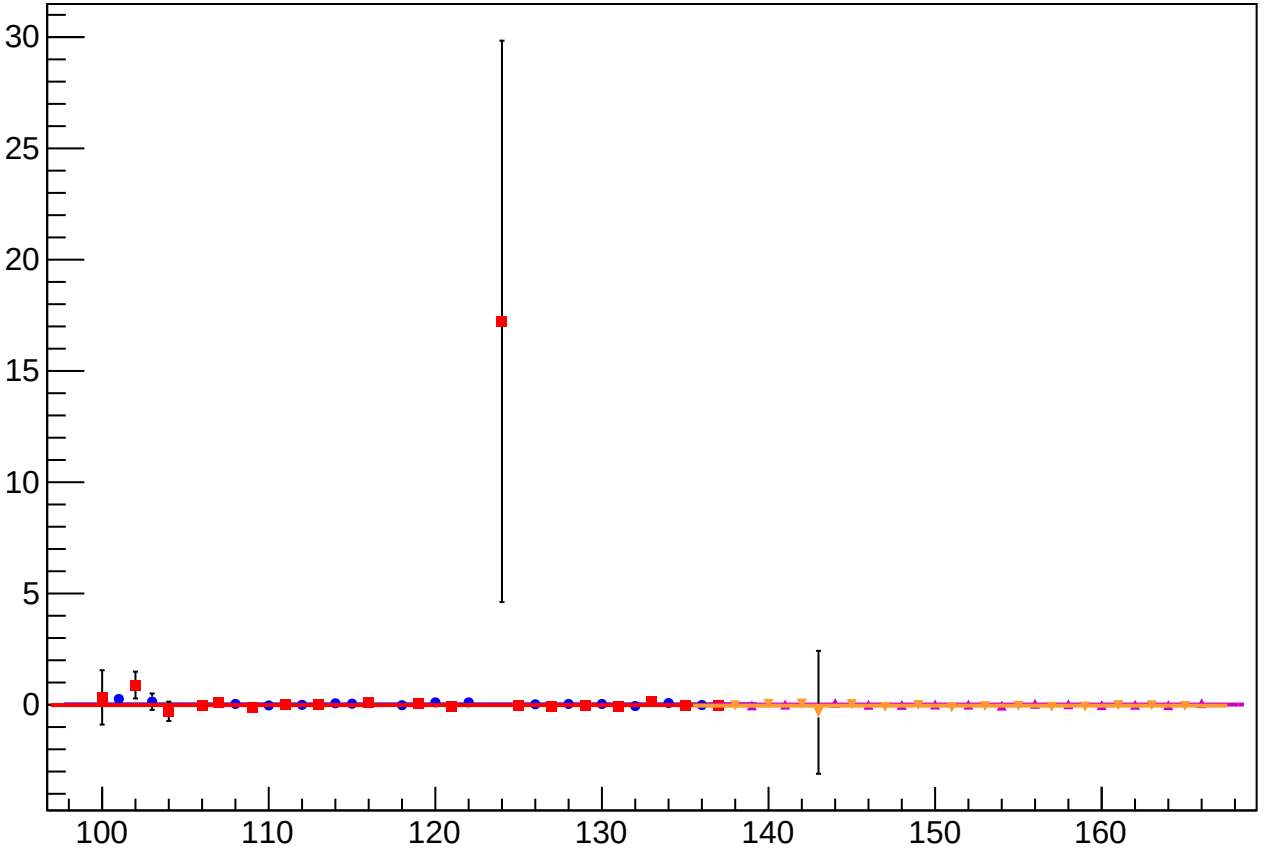
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.204+/-0.004 χ^2/NDF: 9009274.2/63

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

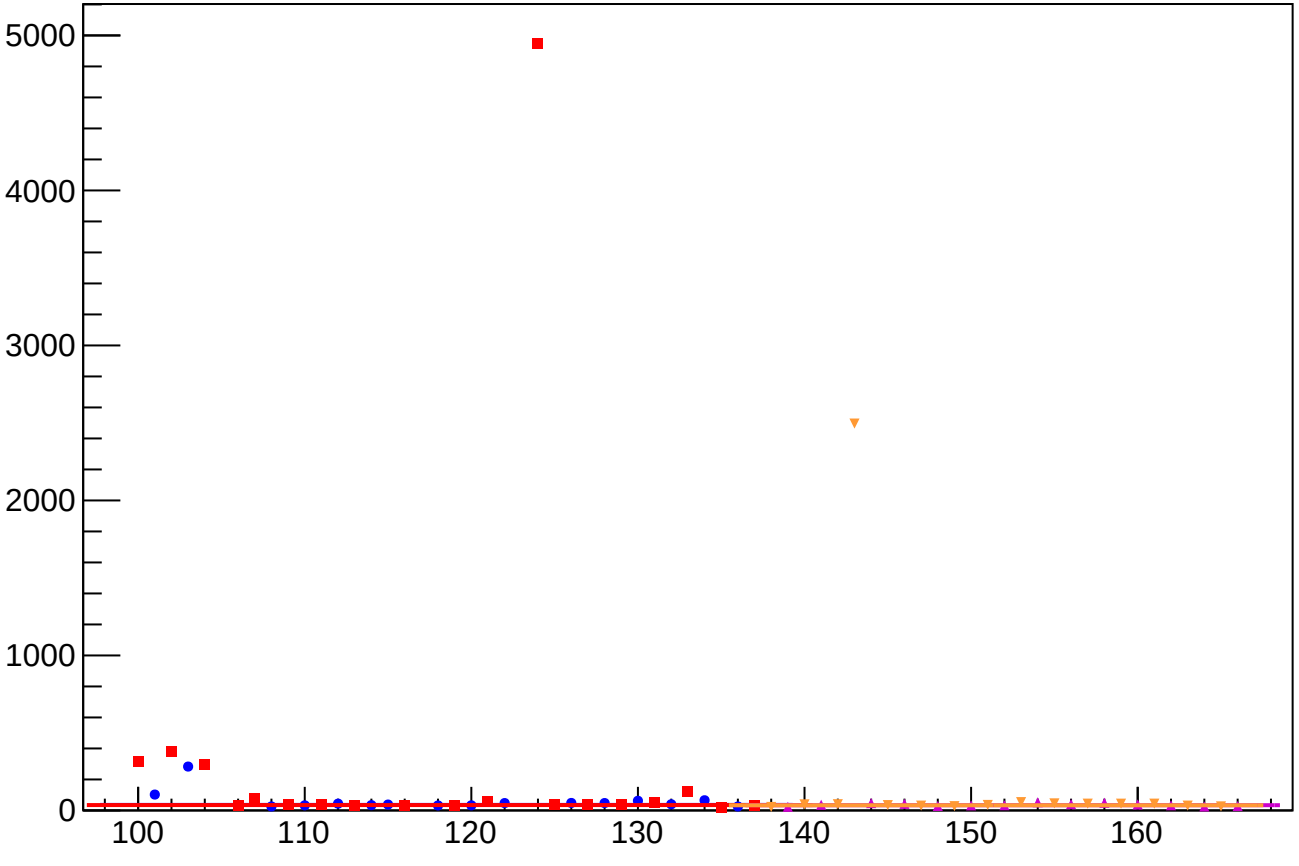
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

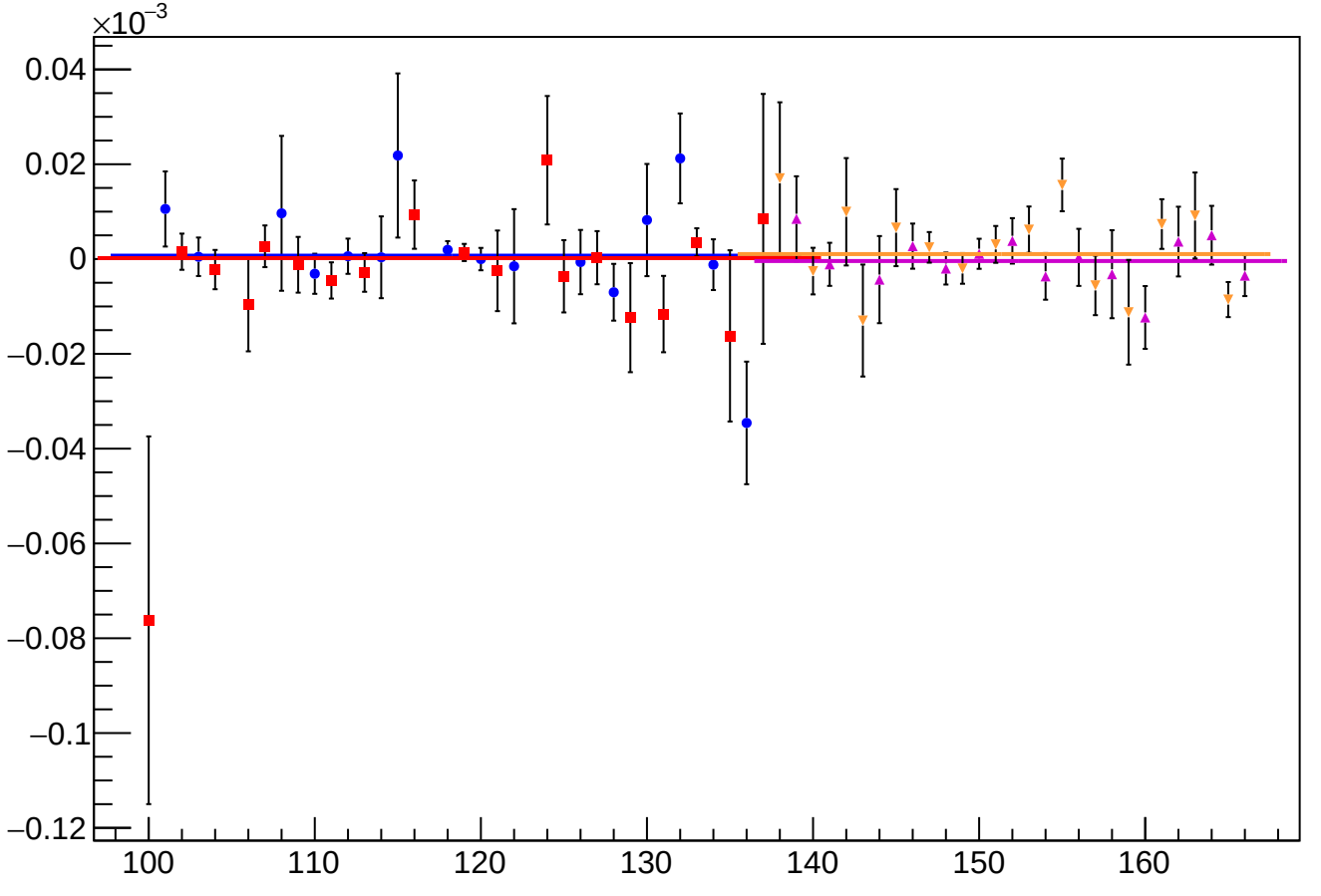
Left: 33.668+/-0.005 χ^2/NDF: 3798121.9/28

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.204+/-0.004 χ^2/NDF: 9009274.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

Left: 0.000+/-0.000 χ^2/NDF: 33.5/28

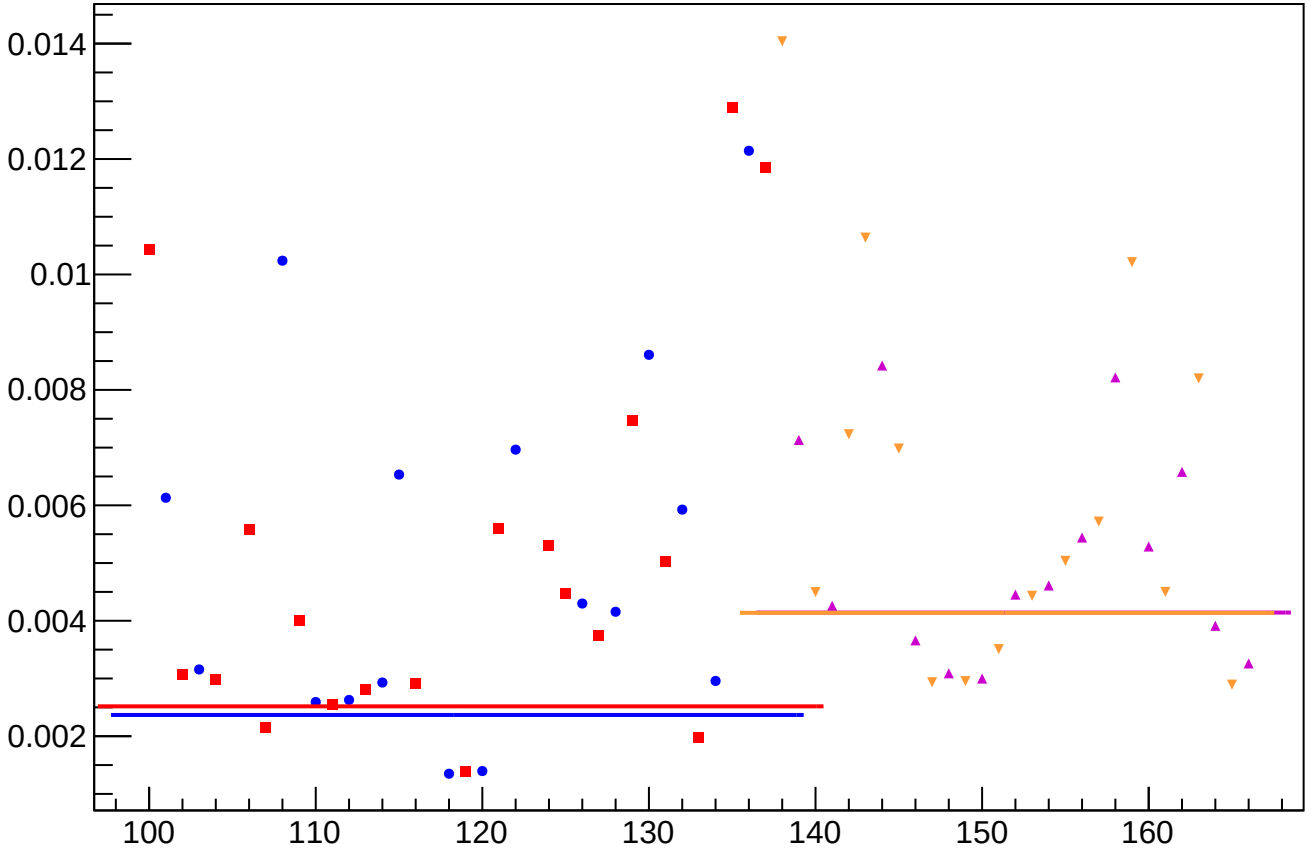
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:43.1/33

All: 0.000+/-0.000 χ^2/NDF: 70.8/63

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2003969.6/13

Left: 0.004+/-0.000 χ^2/NDF: 5804155.2/28

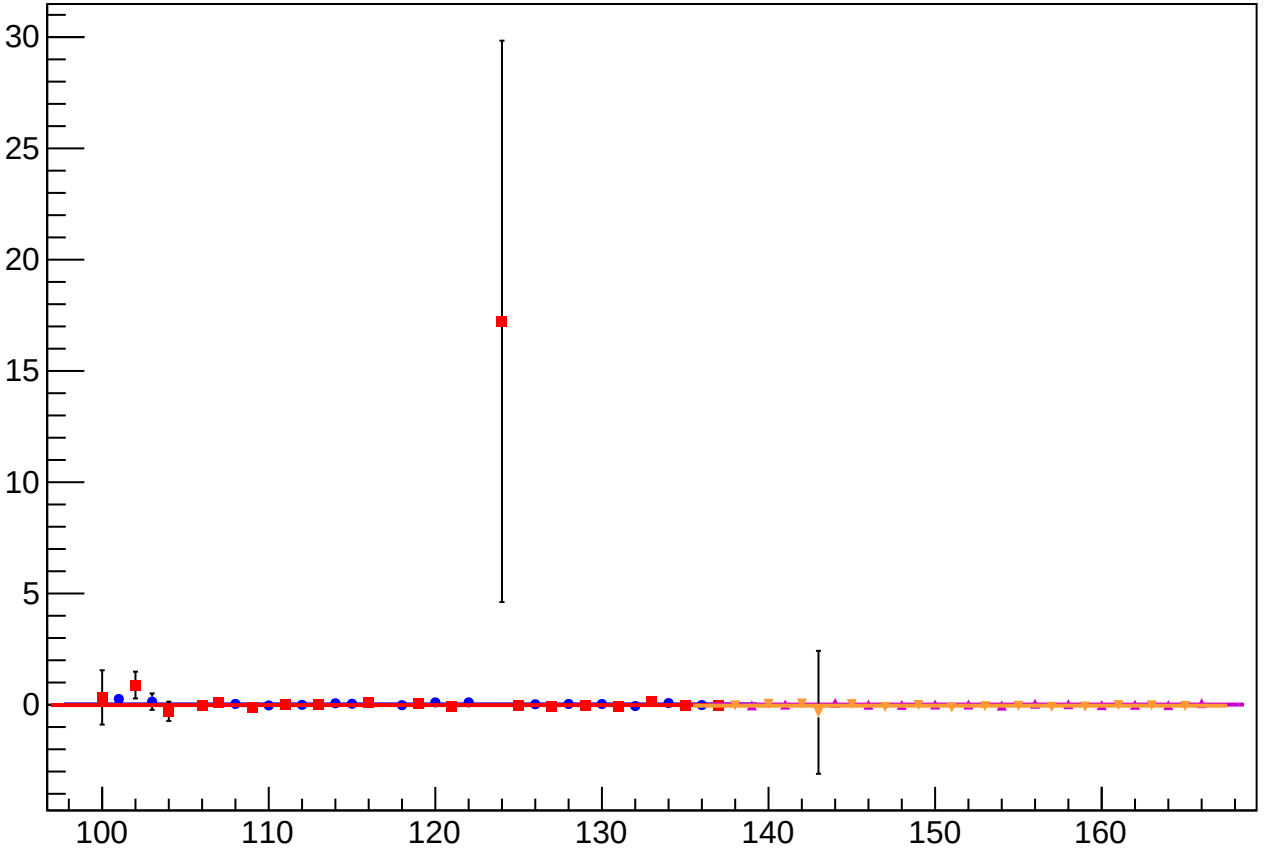
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8793246.8/29

Out: 0.003+/-0.000 χ^2/NDF:9001628.3/33

All: 0.003+/-0.000 χ^2/NDF: 17801087.4/63

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

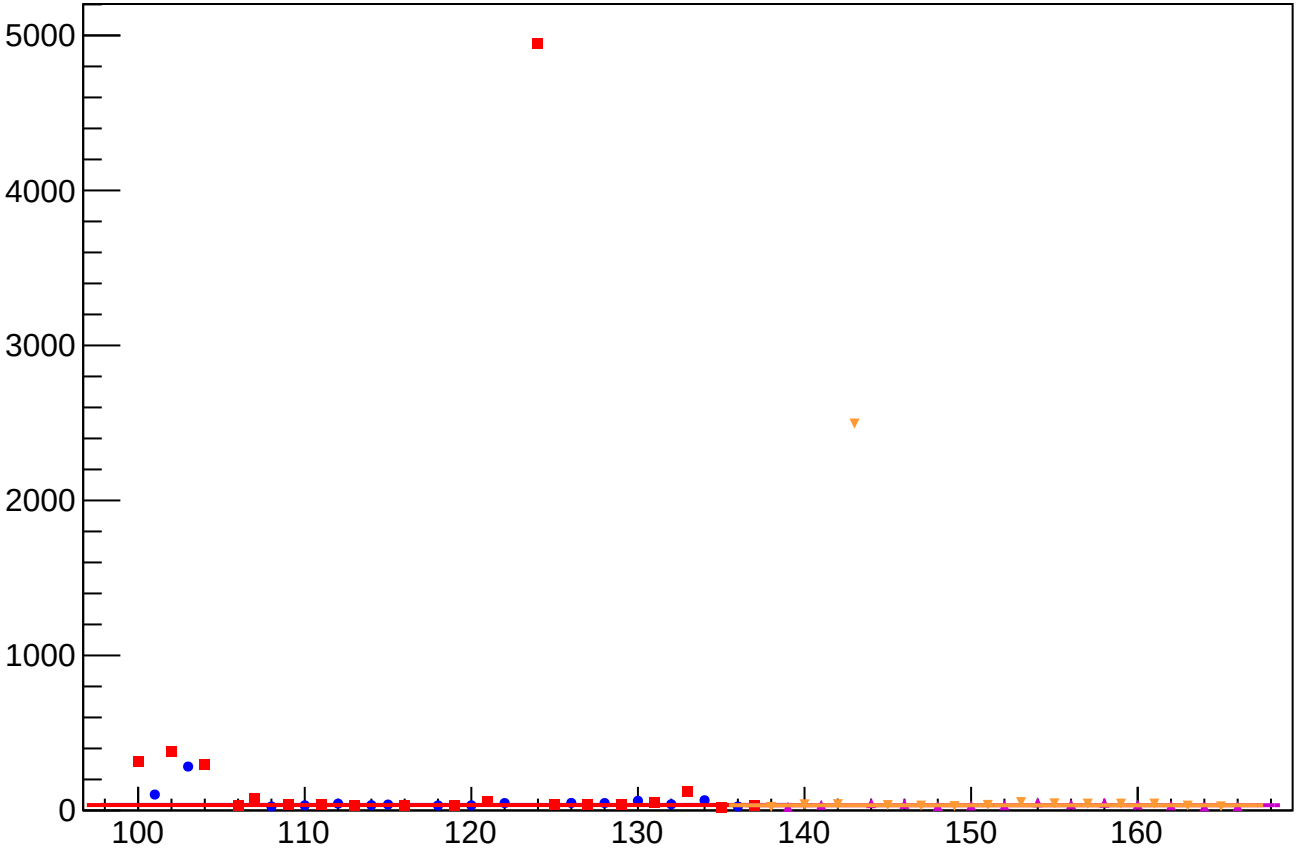
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

Left: 33.667+/-0.005 χ^2/NDF: 3799059.8/28

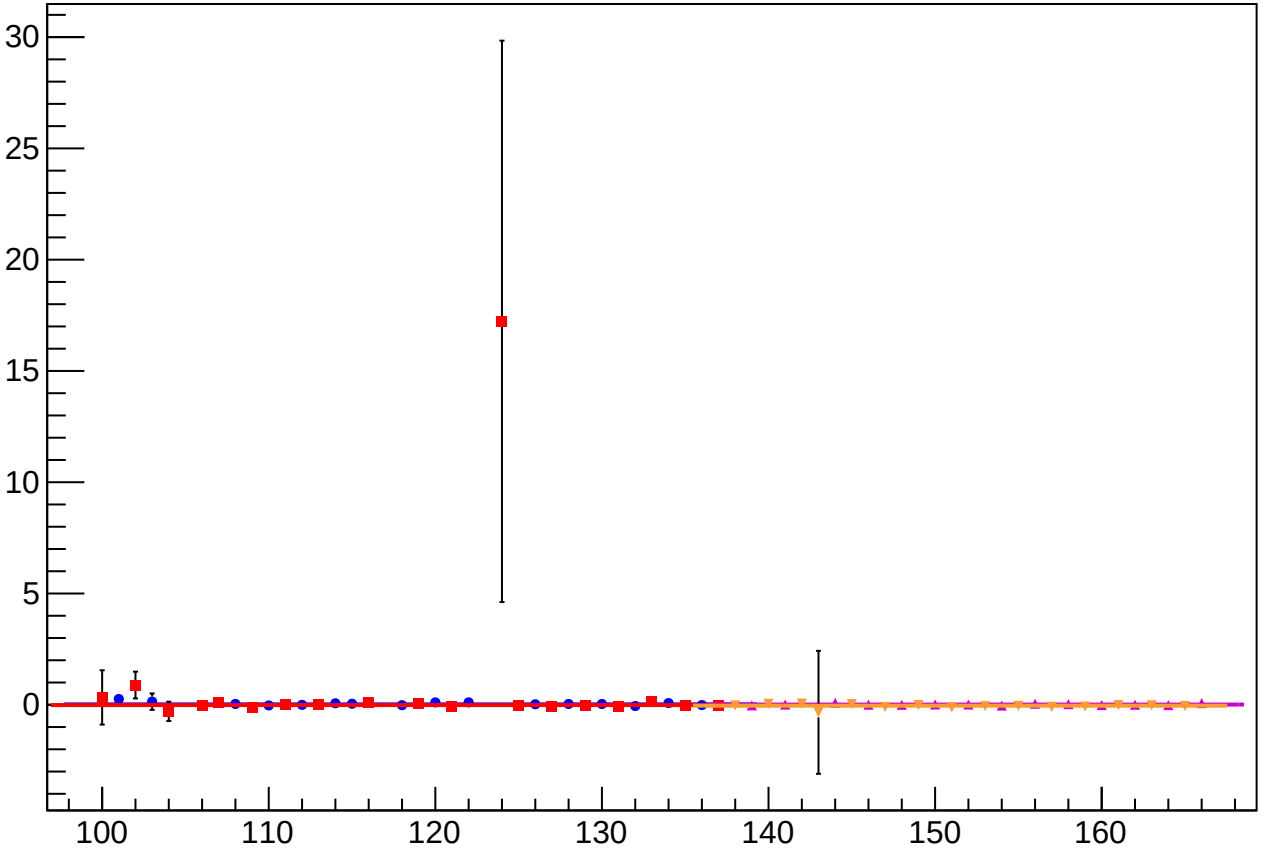
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.203+/-0.004 χ^2/NDF: 9009845.4/63

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

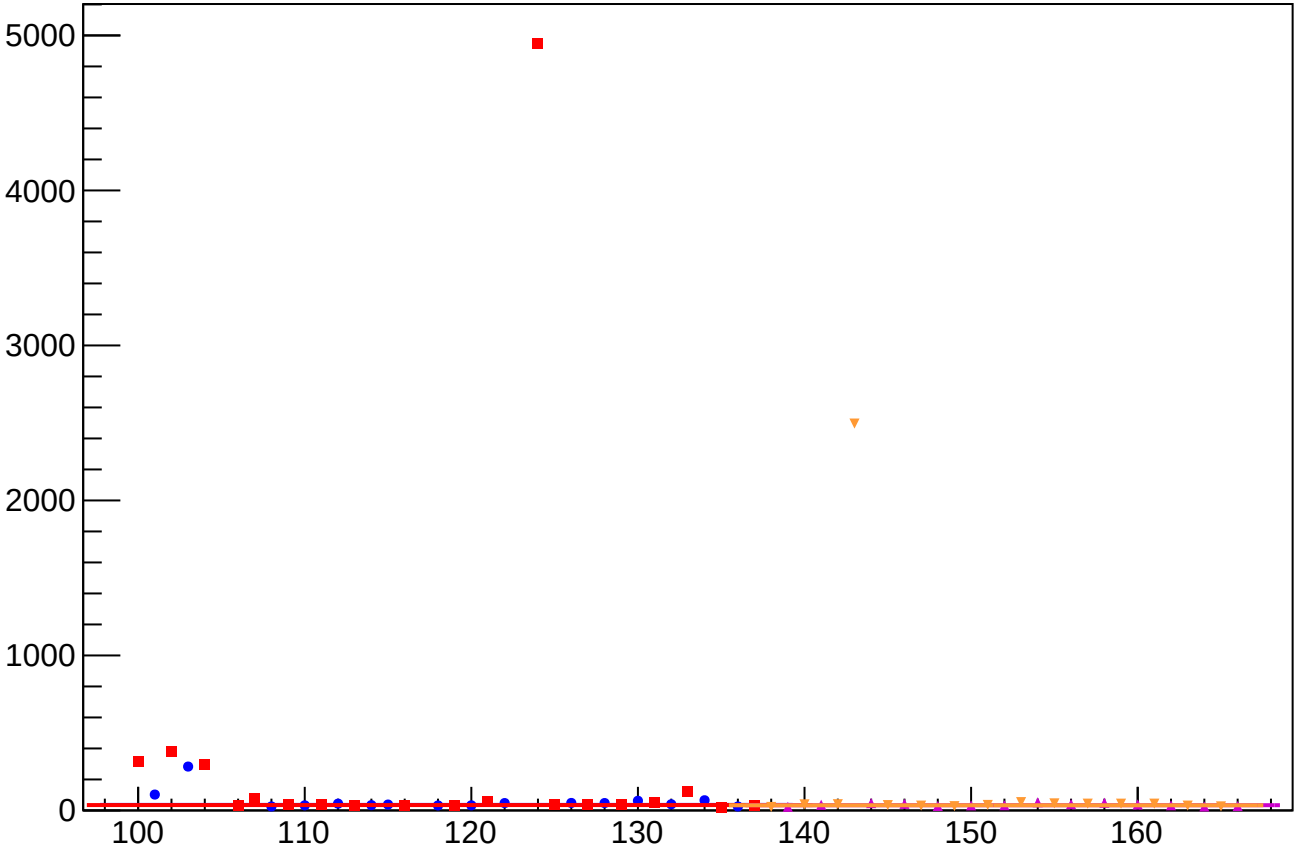
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

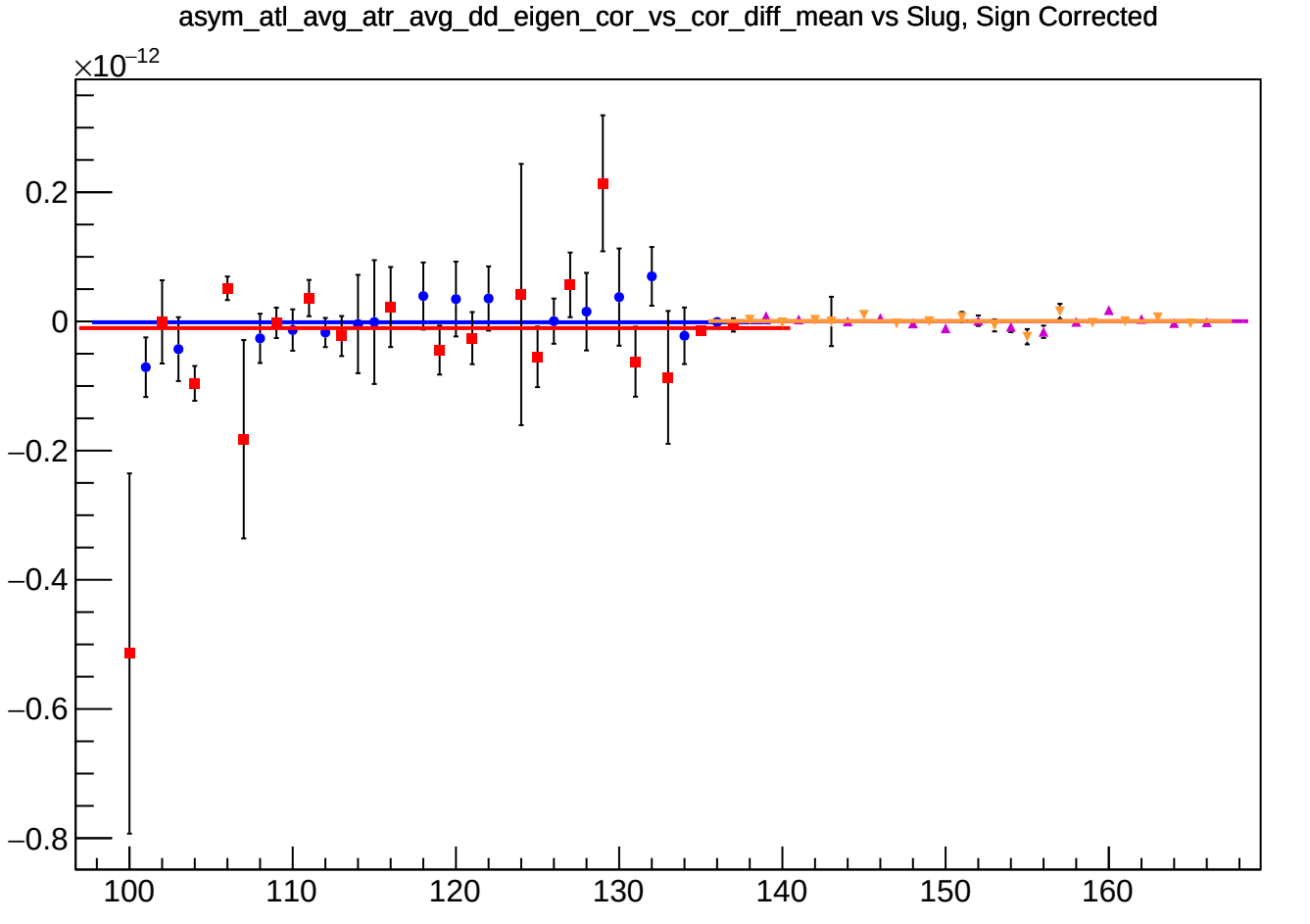
Left: 33.667+/-0.005 χ^2/NDF: 3799059.8/28

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.203+/-0.004 χ^2/NDF: 9009845.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/13

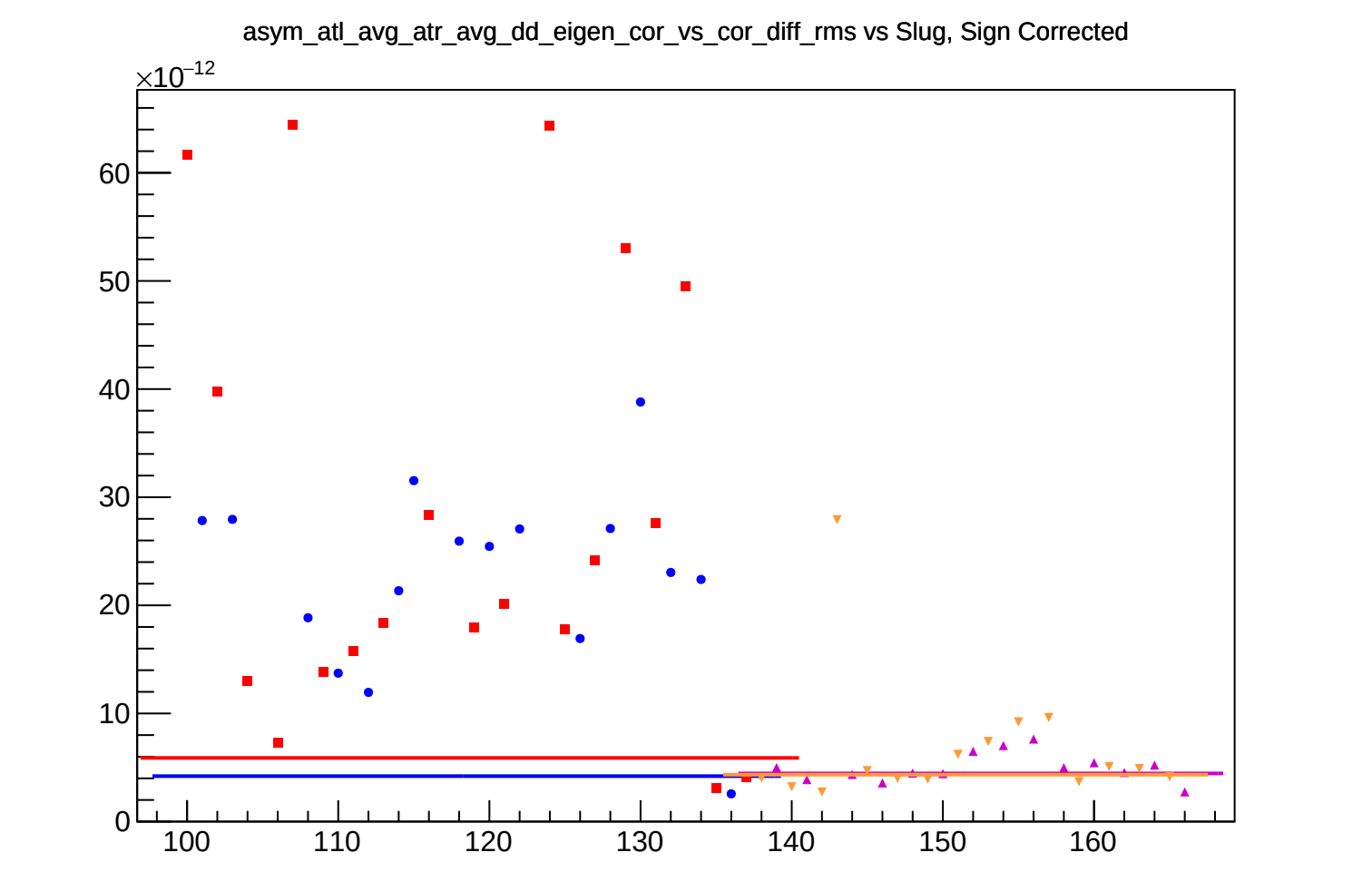
Left: 0.000+/-0.000 χ^2/NDF: 29.2/28

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.3/29

Out: -0.000+/-0.000 χ^2/NDF:57.6/33

All: -0.000+/-0.000 χ^2/NDF: 84.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2297586.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057529.7/13

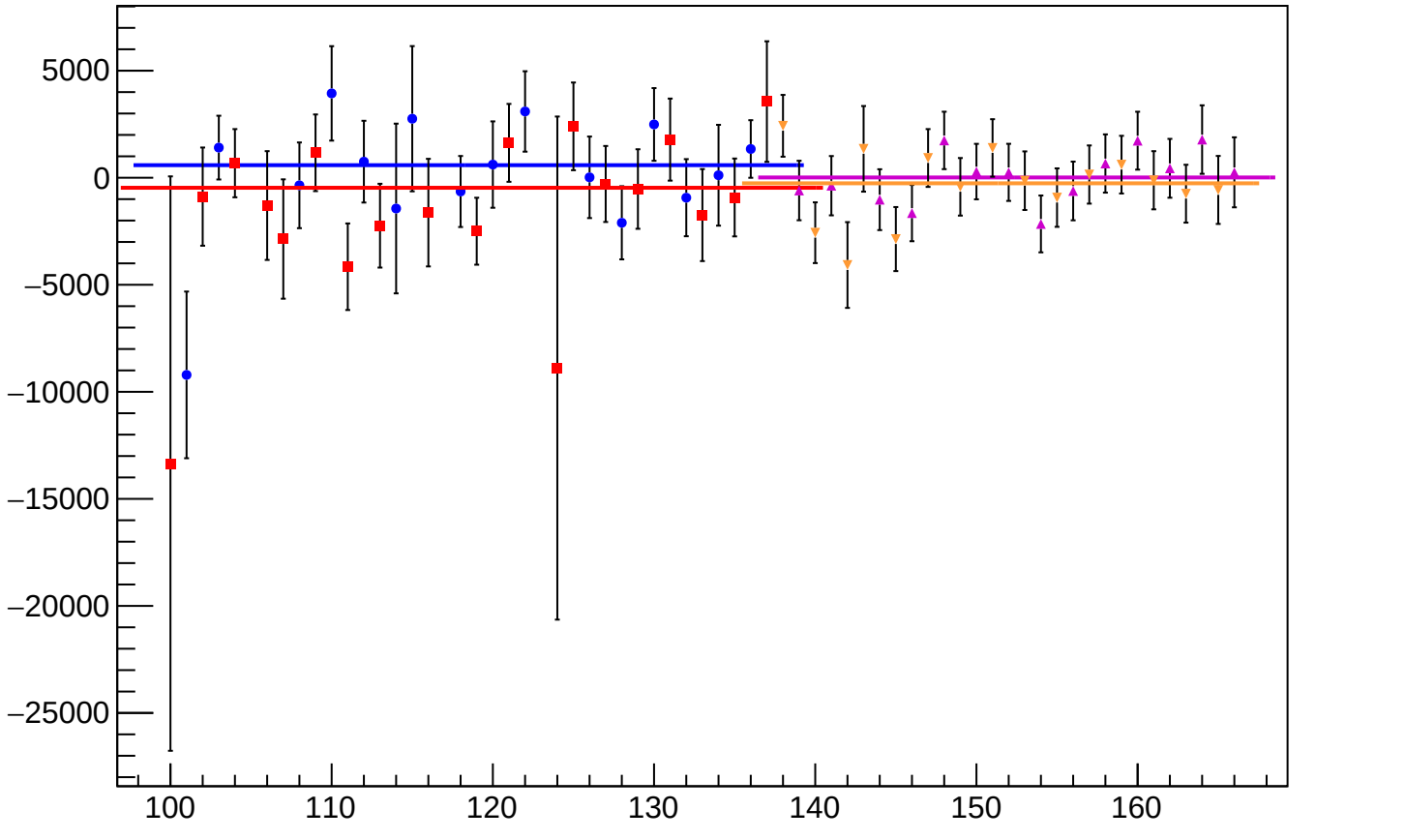
Left: 0.000+/-0.000 χ^2/NDF: 3360554.5/28

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6146532.0/29

Out: 0.000+/-0.000 χ^2/NDF:7399291.7/33

All: 0.000+/-0.000 χ^2/NDF: 13553365.1/63



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 12.554+/-369.955 χ^2/NDF:10.2/13

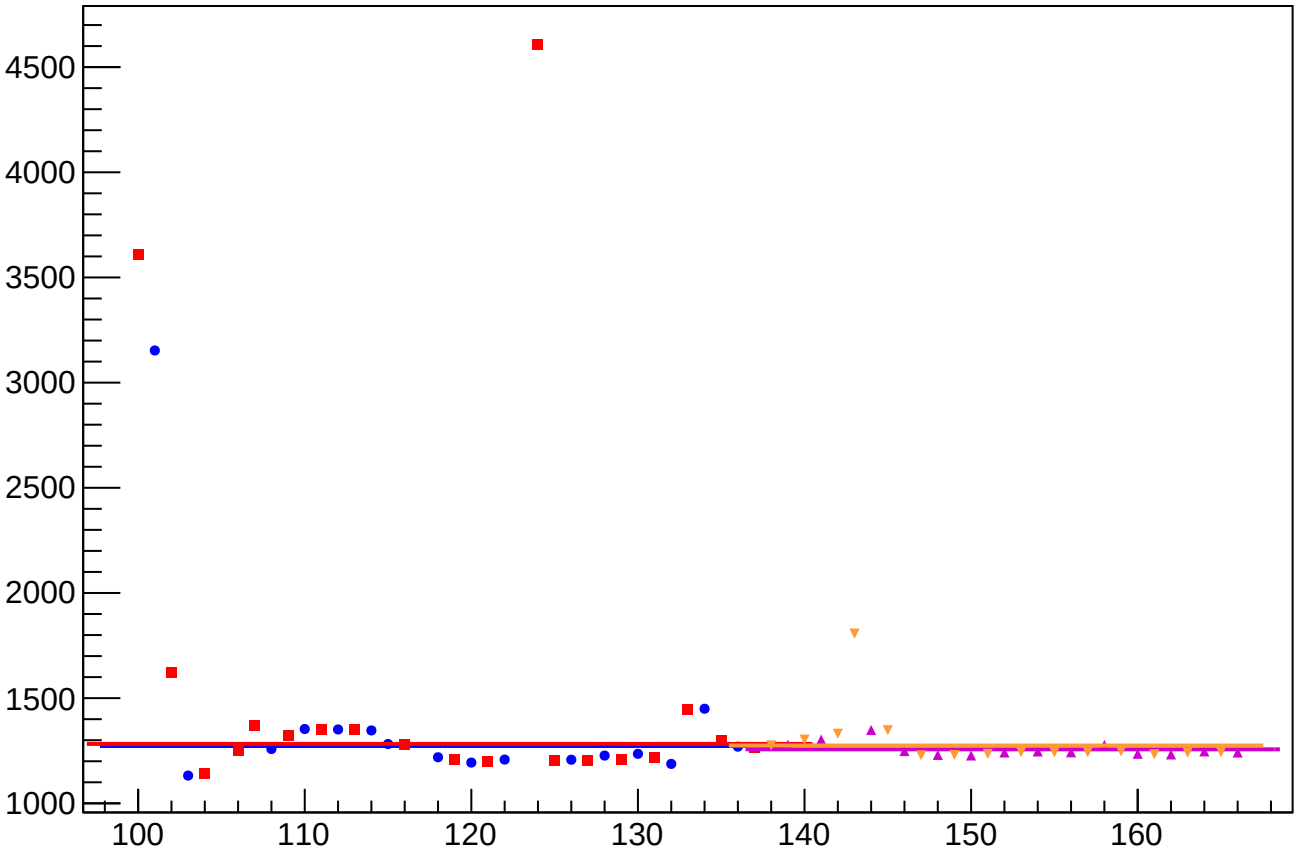
Left: -123.169+/-262.310 χ^2/NDF: 27.1/28

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 225.248+/-293.572 χ^2/NDF:28.2/29

Out: -338.556+/-294.141 χ^2/NDF:33.6/33

All: -56.108+/-207.788 χ^2/NDF: 63.6/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

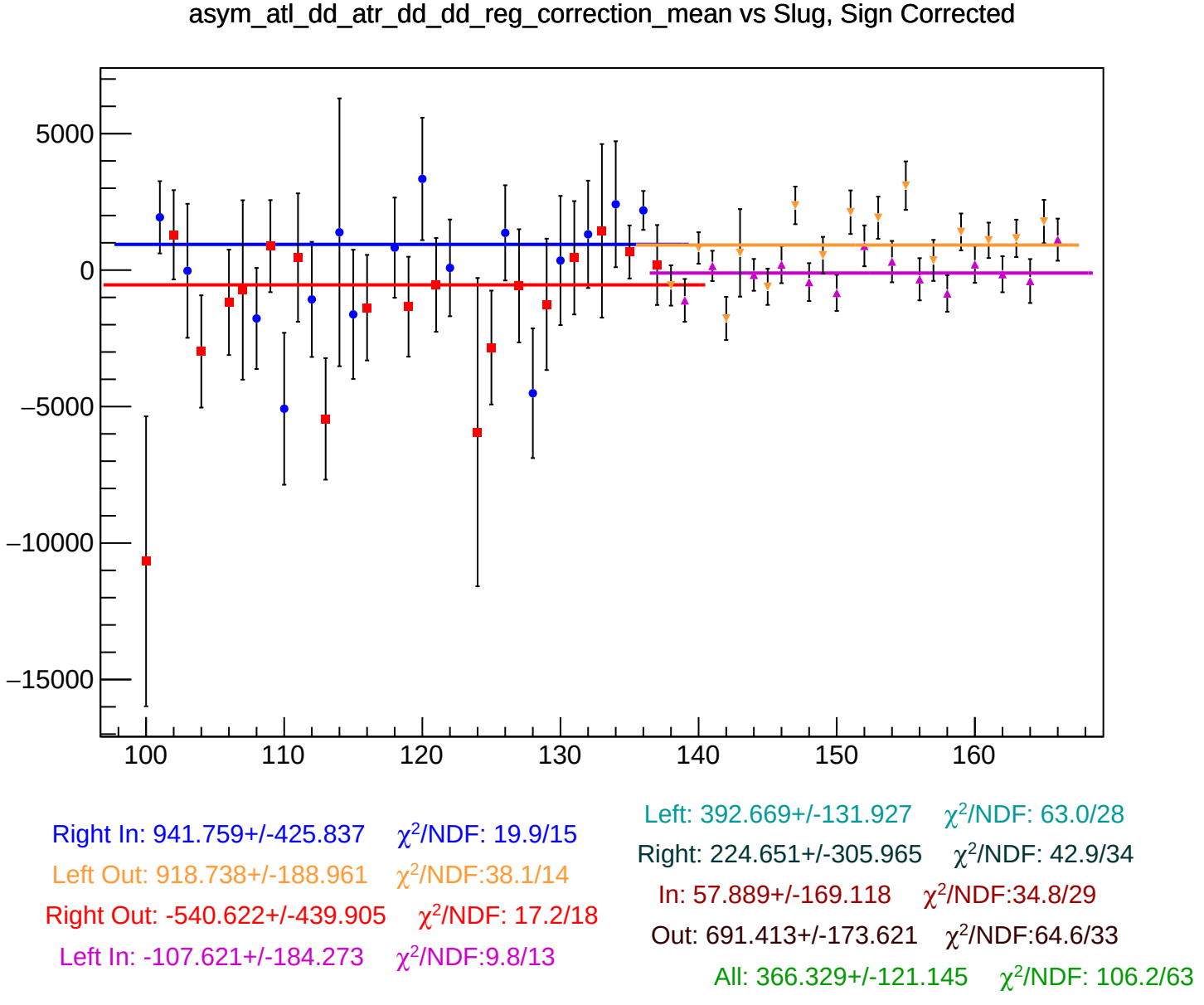
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

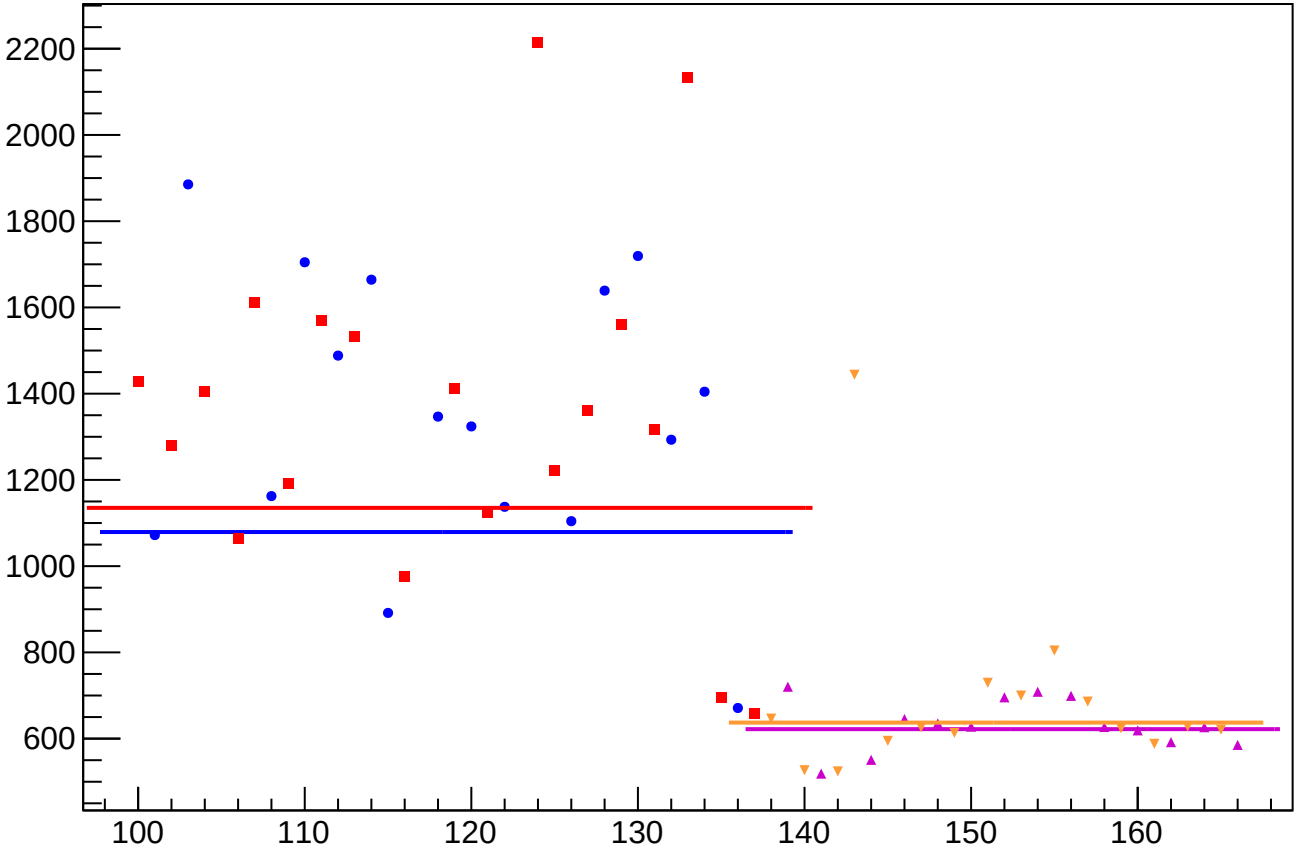
In: 1262.704+/-0.208 χ^2/NDF:536085.9/29

Out: 1277.709+/-0.208 χ^2/NDF:485406.1/33

All: 1270.192+/-0.147 χ^2/NDF: 1024099.3/63


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 918.738+/-188.961 χ²/NDF:38.1/14
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -107.621+/-184.273 χ²/NDF:9.8/13
Left: 392.669+/-131.927 χ²/NDF: 63.0/28
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 57.889+/-169.118 χ²/NDF:34.8/29
Out: 691.413+/-173.621 χ²/NDF:64.6/33
All: 366.329+/-121.145 χ²/NDF: 106.2/63

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.985+/-0.130 χ^2/NDF:208305.0/13

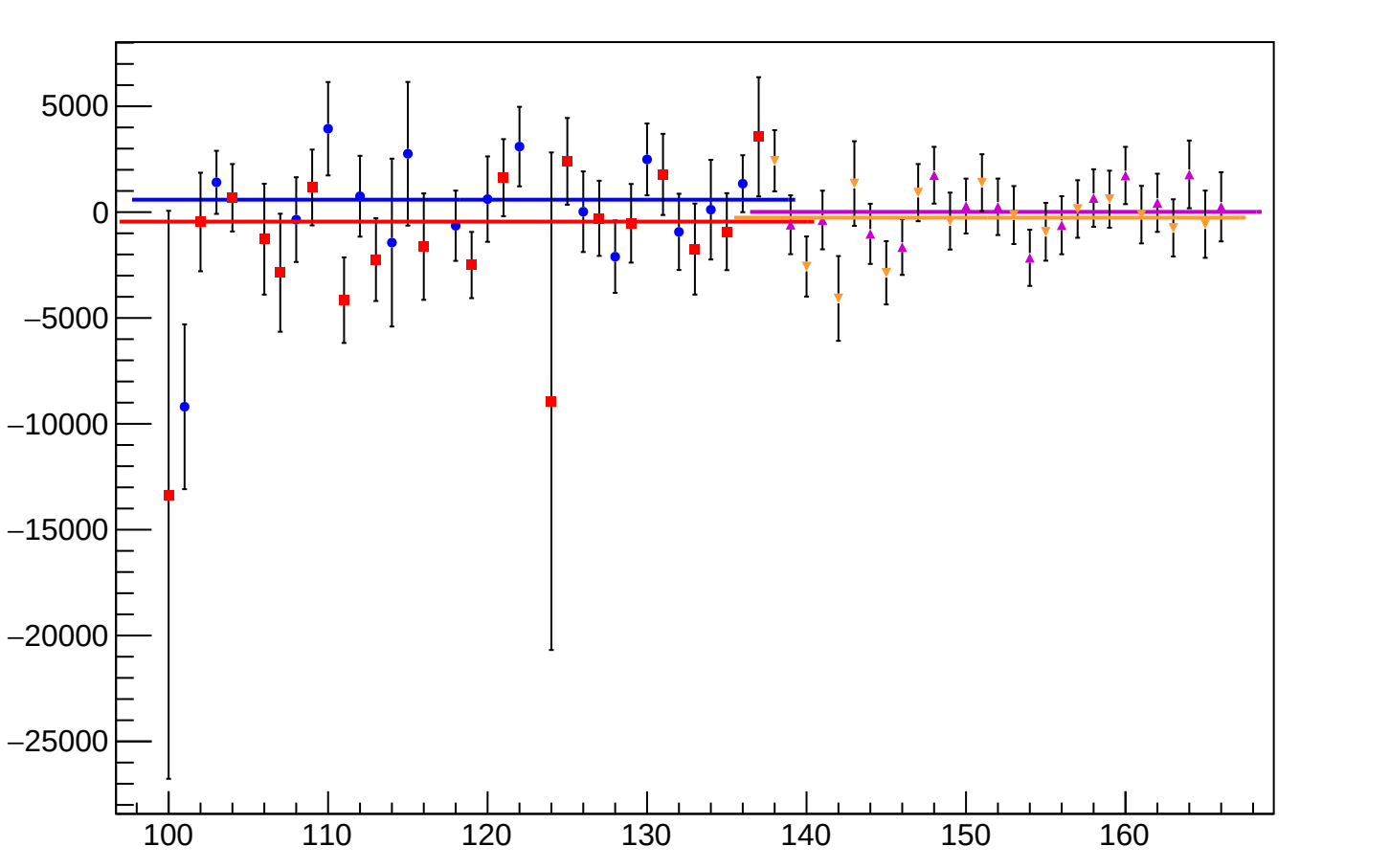
Left: 629.401+/-0.093 χ^2/NDF: 979837.8/28

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 694.085+/-0.120 χ^2/NDF:3631810.3/29

Out: 714.767+/-0.123 χ^2/NDF:4221511.9/33

All: 704.154+/-0.086 χ^2/NDF: 7867883.9/63



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

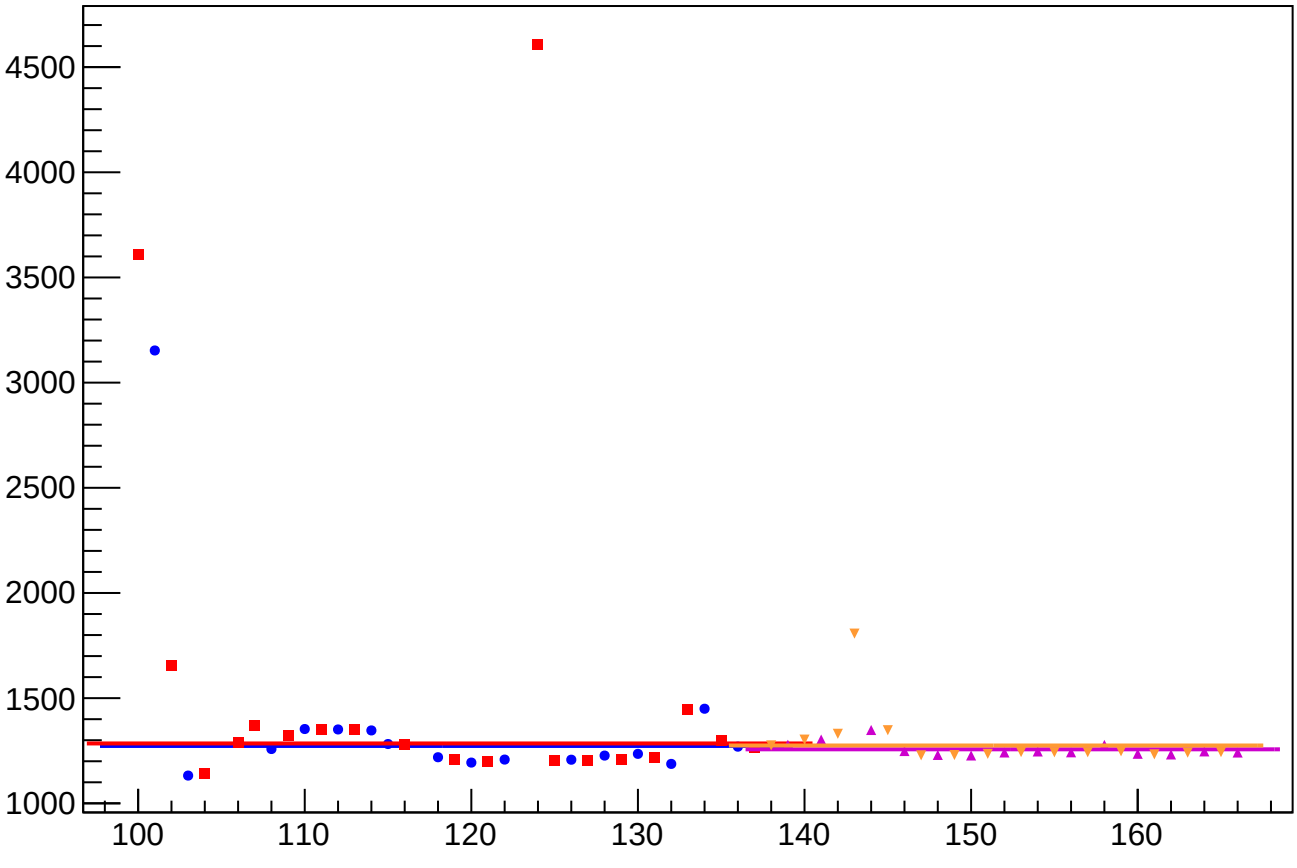
Left: -123.235+/-262.310 χ^2/NDF: 27.1/28

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -51.987+/-207.854 χ^2/NDF: 63.5/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

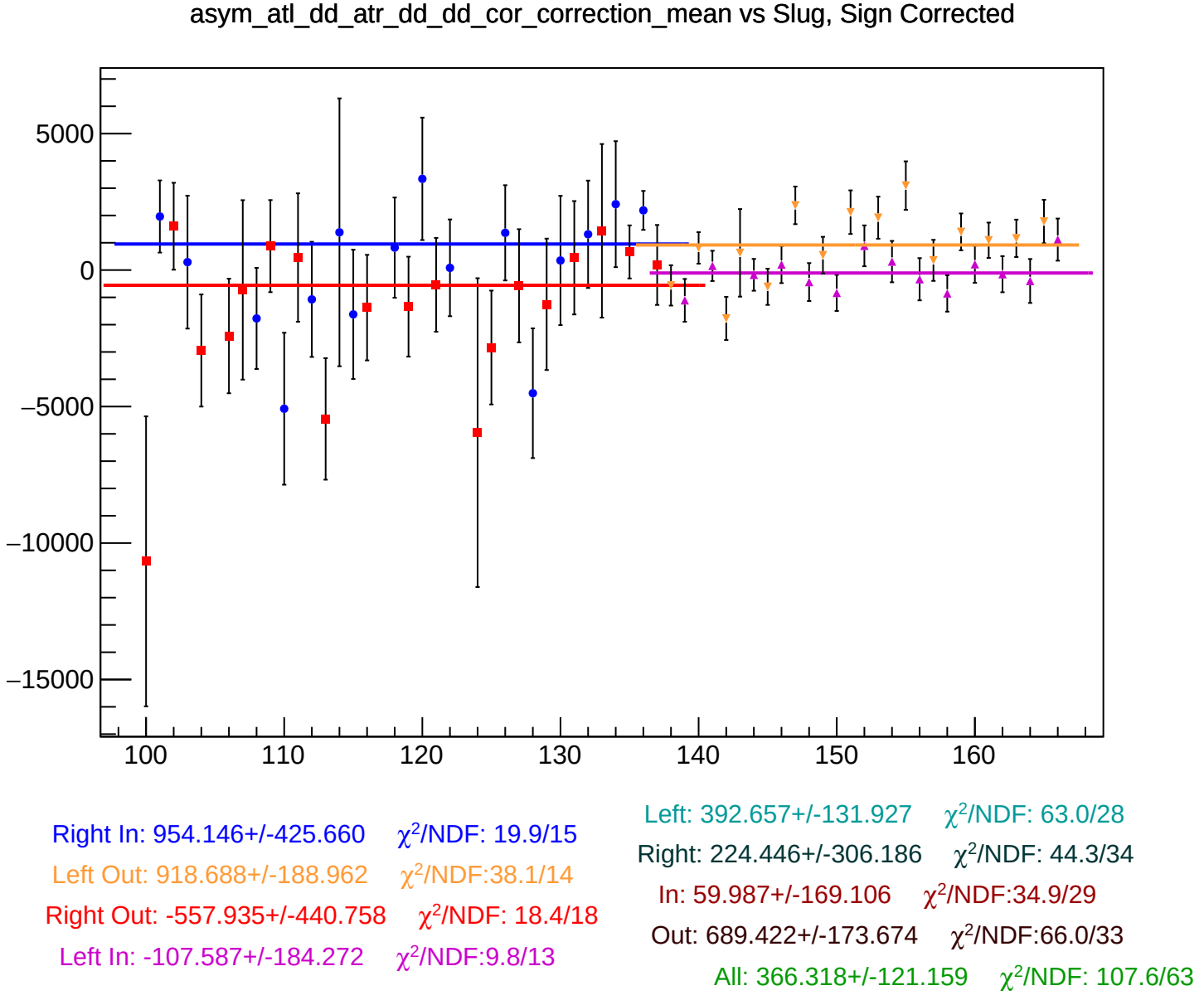
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

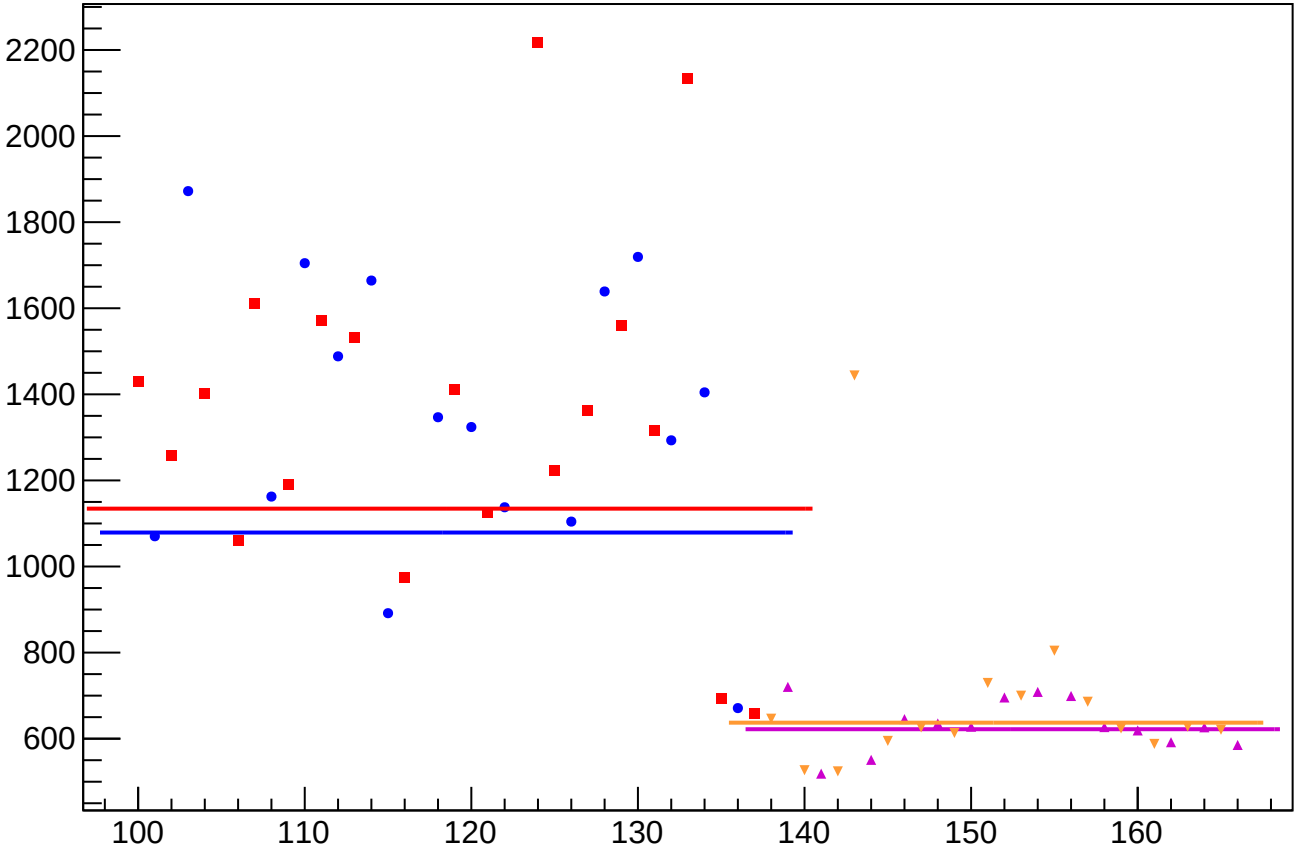
In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1270.611+/-0.147 χ^2/NDF: 1031270.9/63


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -107.587+/-184.272 χ²/NDF:9.8/13
Left: 392.657+/-131.927 χ²/NDF: 63.0/28
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 59.987+/-169.106 χ²/NDF:34.9/29
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 366.318+/-121.159 χ²/NDF: 107.6/63

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

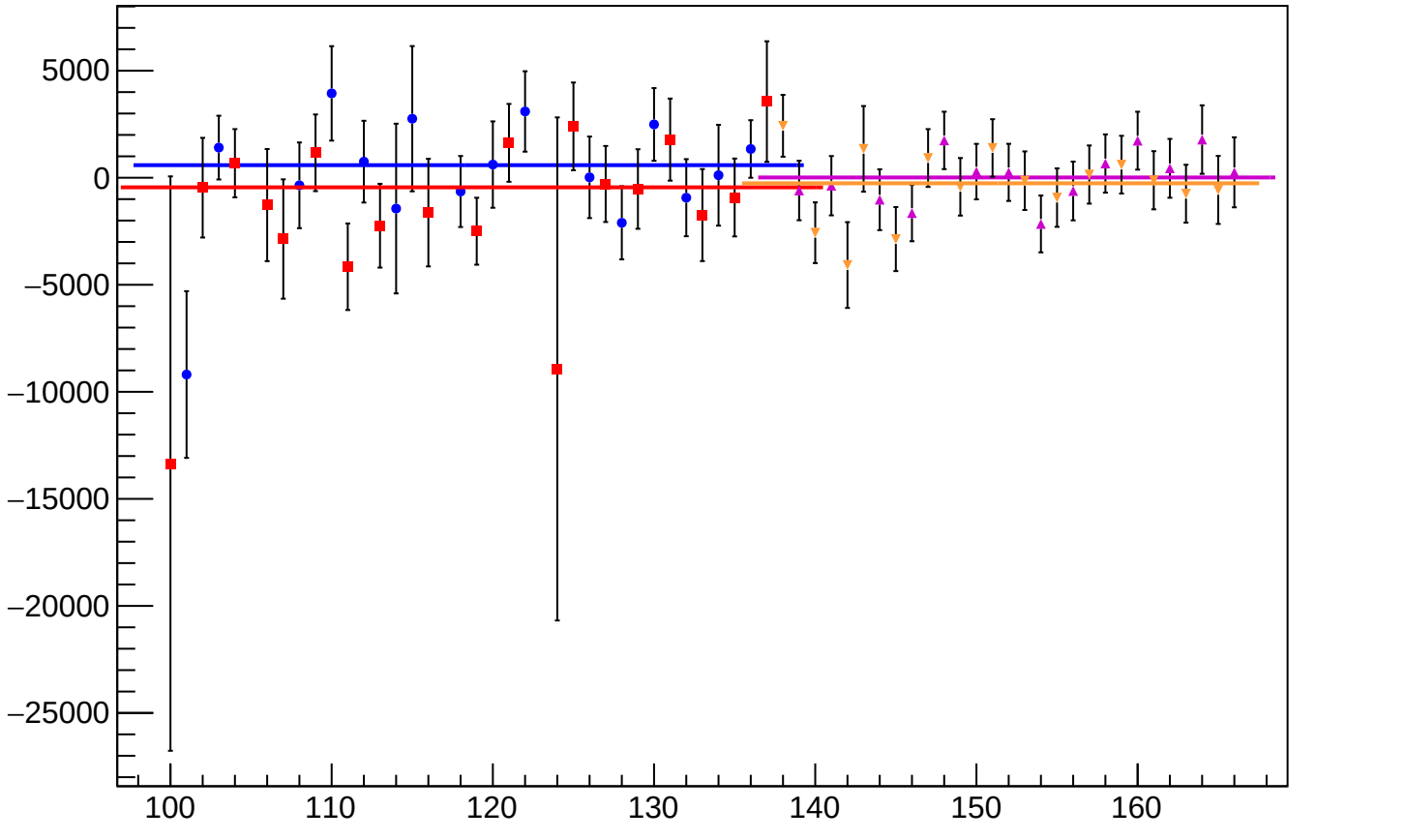
Left: 629.401+/-0.093 χ^2/NDF: 979786.0/28

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 703.983+/-0.086 χ^2/NDF: 7845934.7/63



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

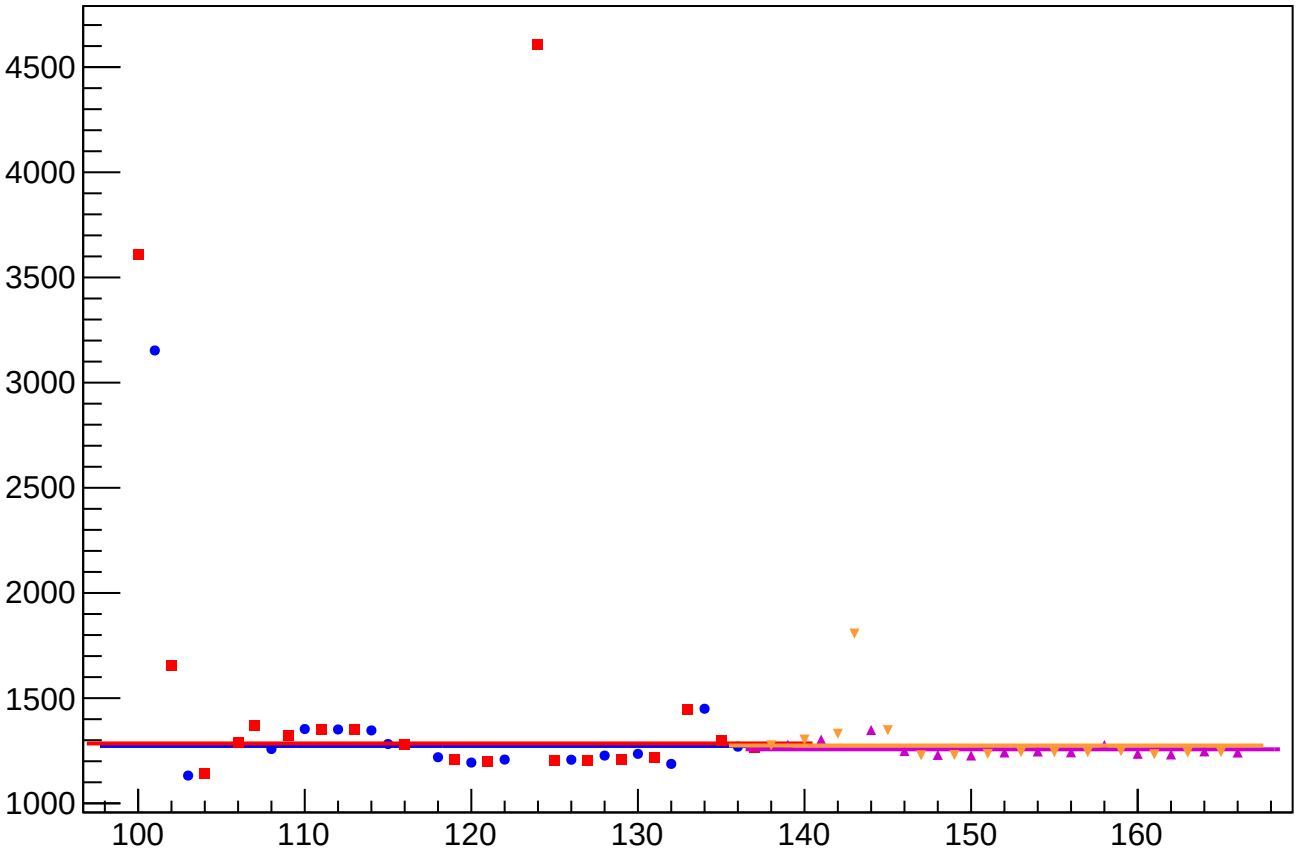
Left: -123.235+/-262.310 χ^2/NDF: 27.1/28

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -51.987+/-207.854 χ^2/NDF: 63.5/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

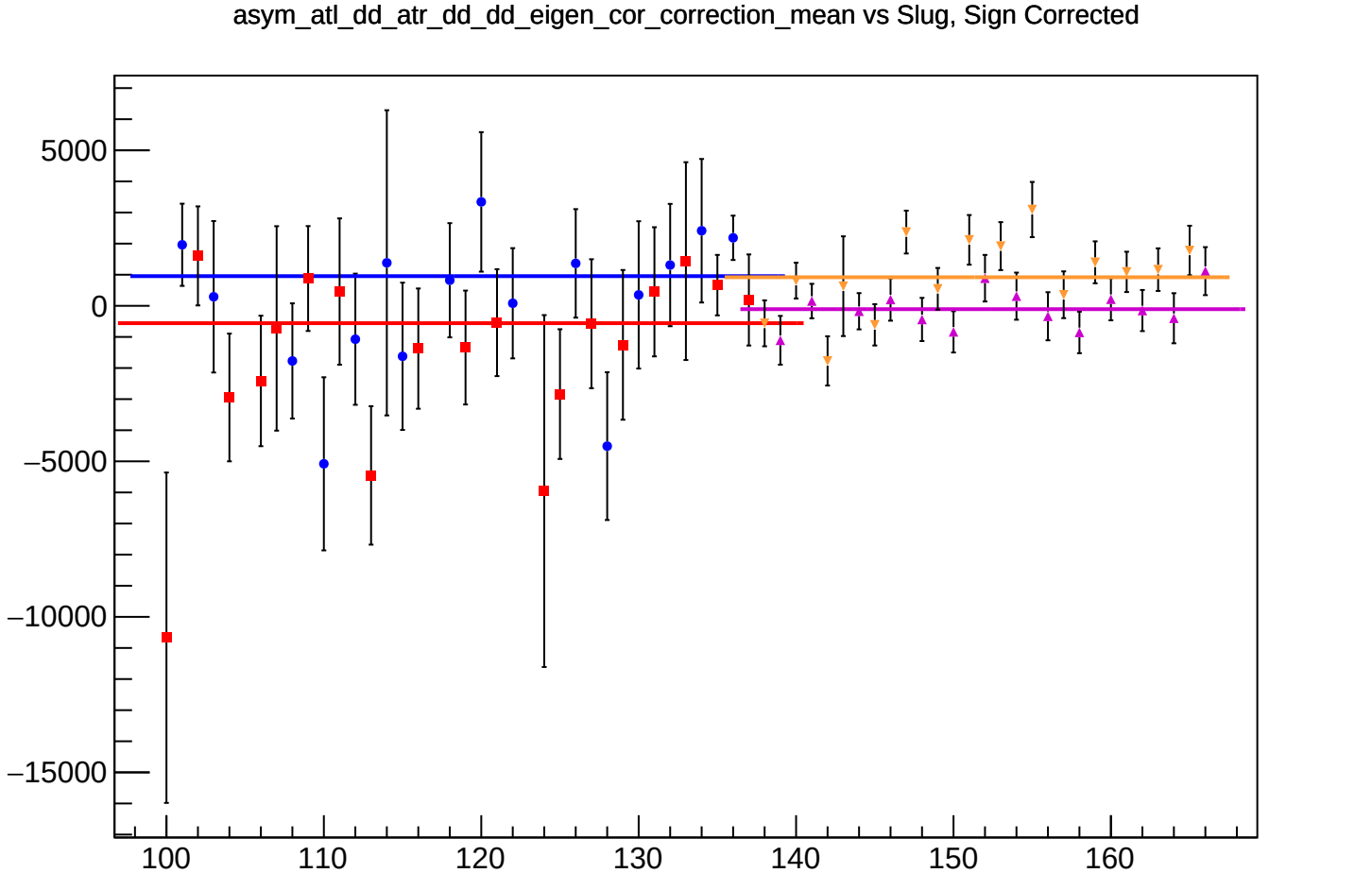
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1270.611+/-0.147 χ^2/NDF: 1031270.9/63



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 918.688+/-188.962 χ^2/NDF:38.1/14

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -107.587+/-184.272 χ^2/NDF:9.8/13

Left: 392.657+/-131.927 χ^2/NDF: 63.0/28

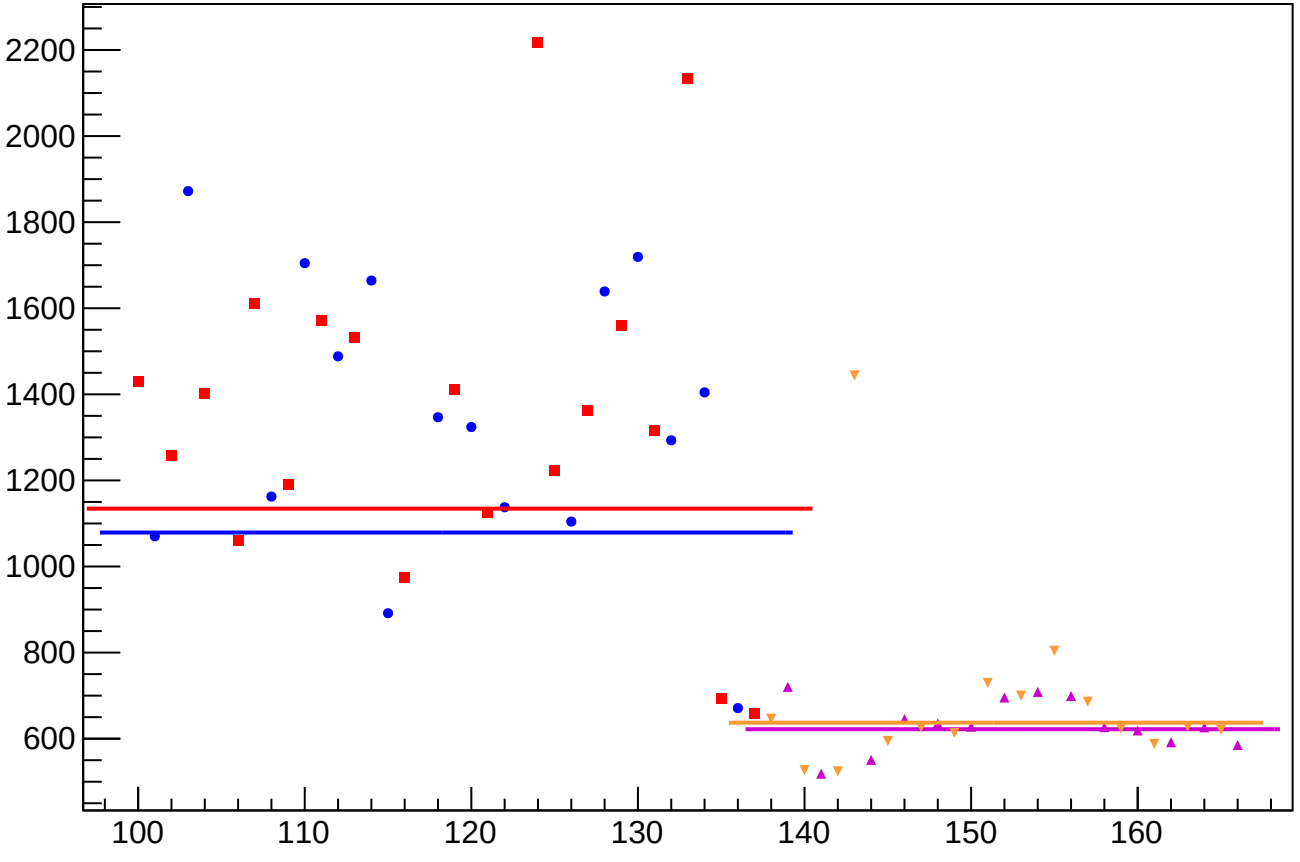
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 59.987+/-169.106 χ^2/NDF:34.9/29

Out: 689.422+/-173.674 χ^2/NDF:66.0/33

All: 366.318+/-121.159 χ^2/NDF: 107.6/63

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

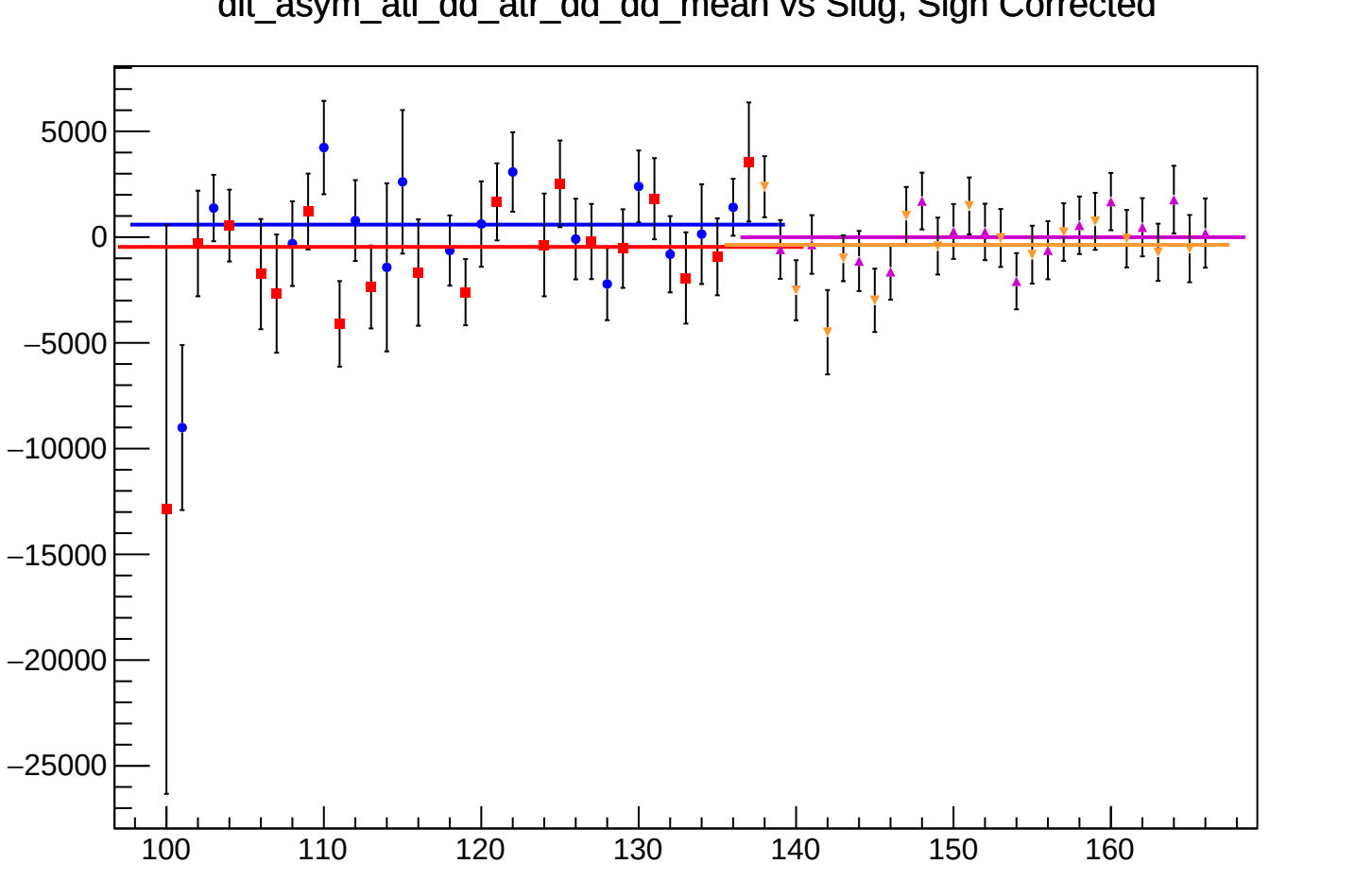
Left: 629.401+/-0.093 χ^2/NDF: 979786.0/28

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 703.983+/-0.086 χ^2/NDF: 7845934.7/63



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -3.389+/-370.281 χ^2/NDF:9.9/13

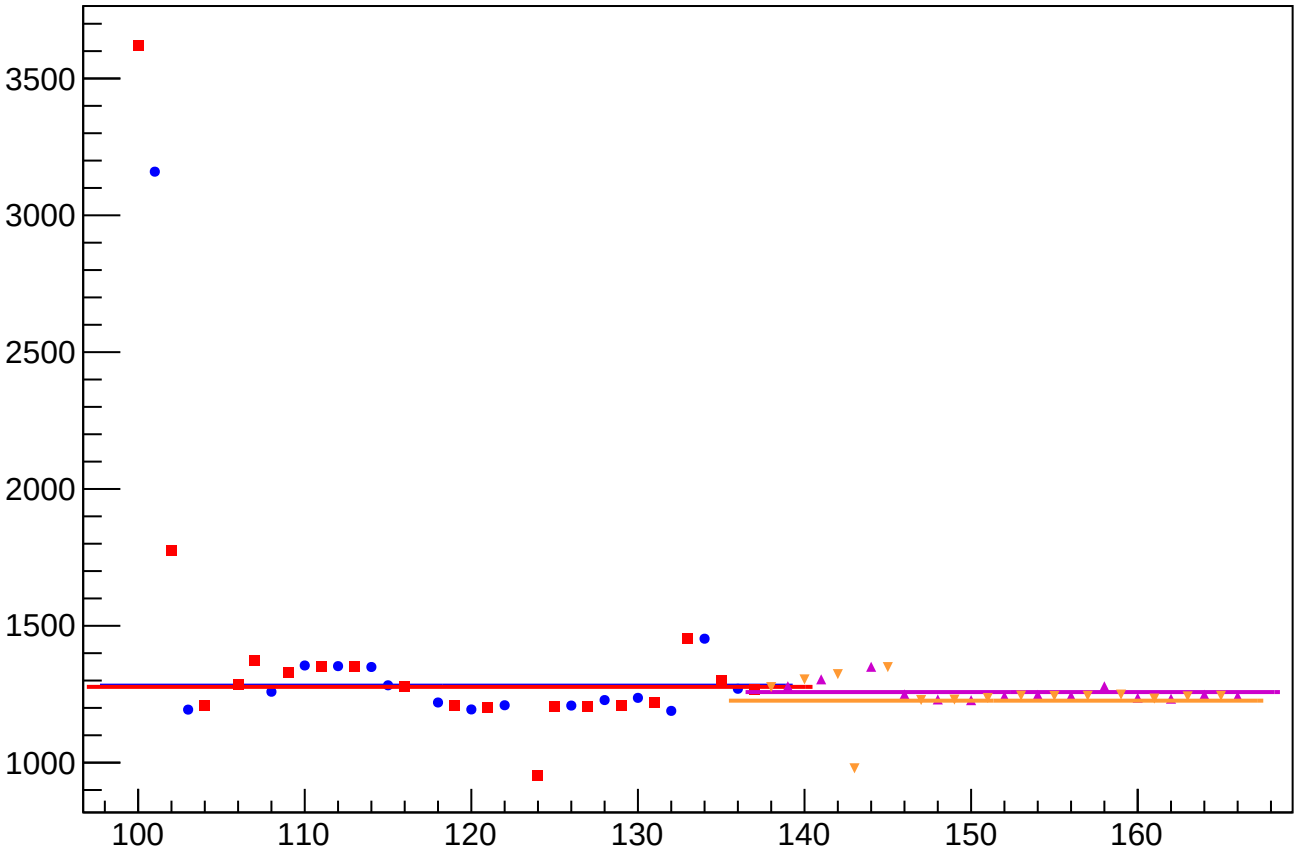
Left: -189.985+/-257.237 χ^2/NDF: 28.1/28

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 214.965+/-294.419 χ^2/NDF:27.9/29

Out: -399.530+/-286.092 χ^2/NDF:34.4/33

All: -101.096+/-205.178 χ^2/NDF: 64.6/63



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

Left: 1241.626+/-0.182 χ^2/NDF: 155645.6/28

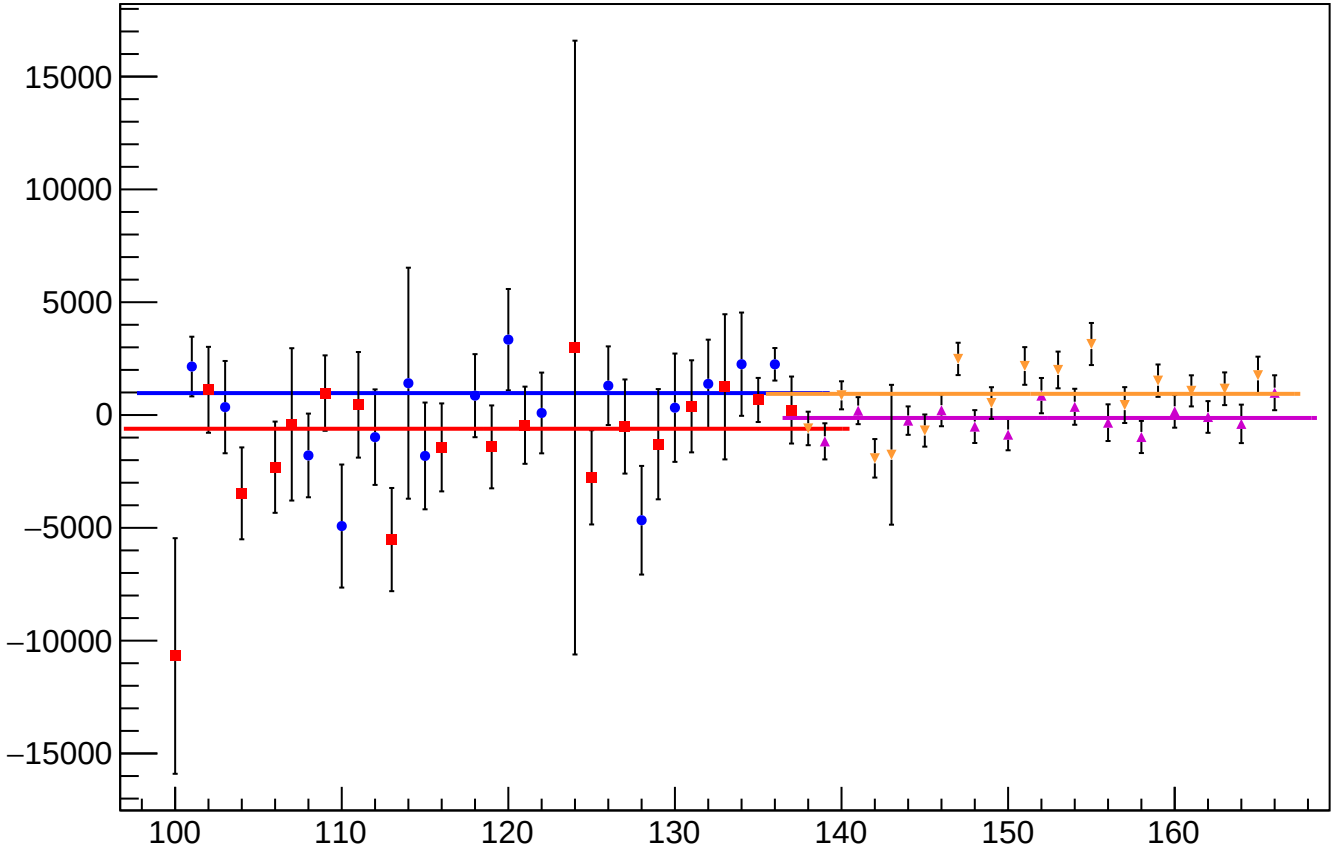
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.1/29

Out: 1244.615+/-0.202 χ^2/NDF:367531.4/33

All: 1255.249+/-0.145 χ^2/NDF: 898745.5/63

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 939.024+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -130.263+/-194.288 χ^2/NDF:9.4/13

Left: 388.032+/-139.467 χ^2/NDF: 62.2/28

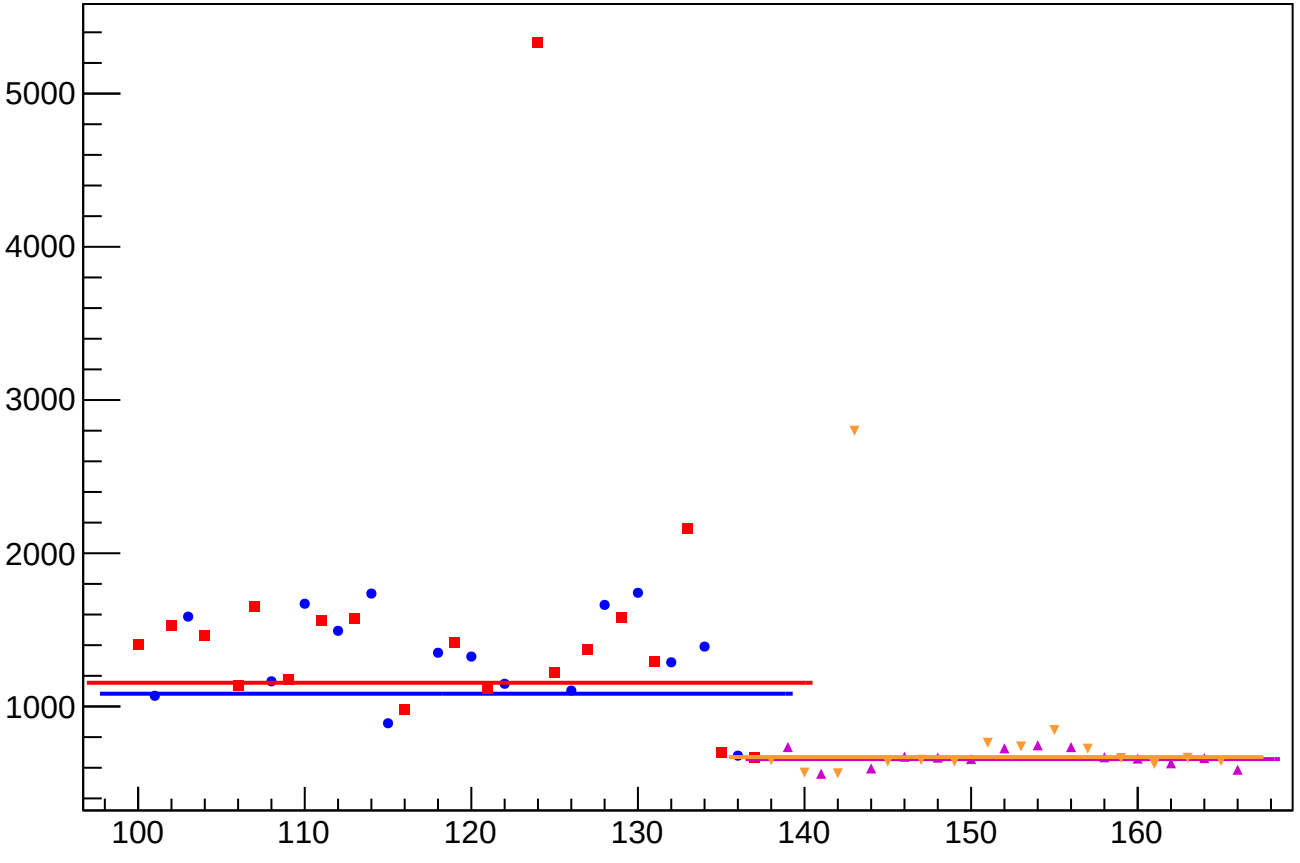
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 60.161+/-176.715 χ^2/NDF:35.5/29

Out: 680.923+/-182.855 χ^2/NDF:65.2/33

All: 359.945+/-127.072 χ^2/NDF: 106.6/63

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168568.4/14

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.488+/-0.137 χ^2/NDF:170594.9/13

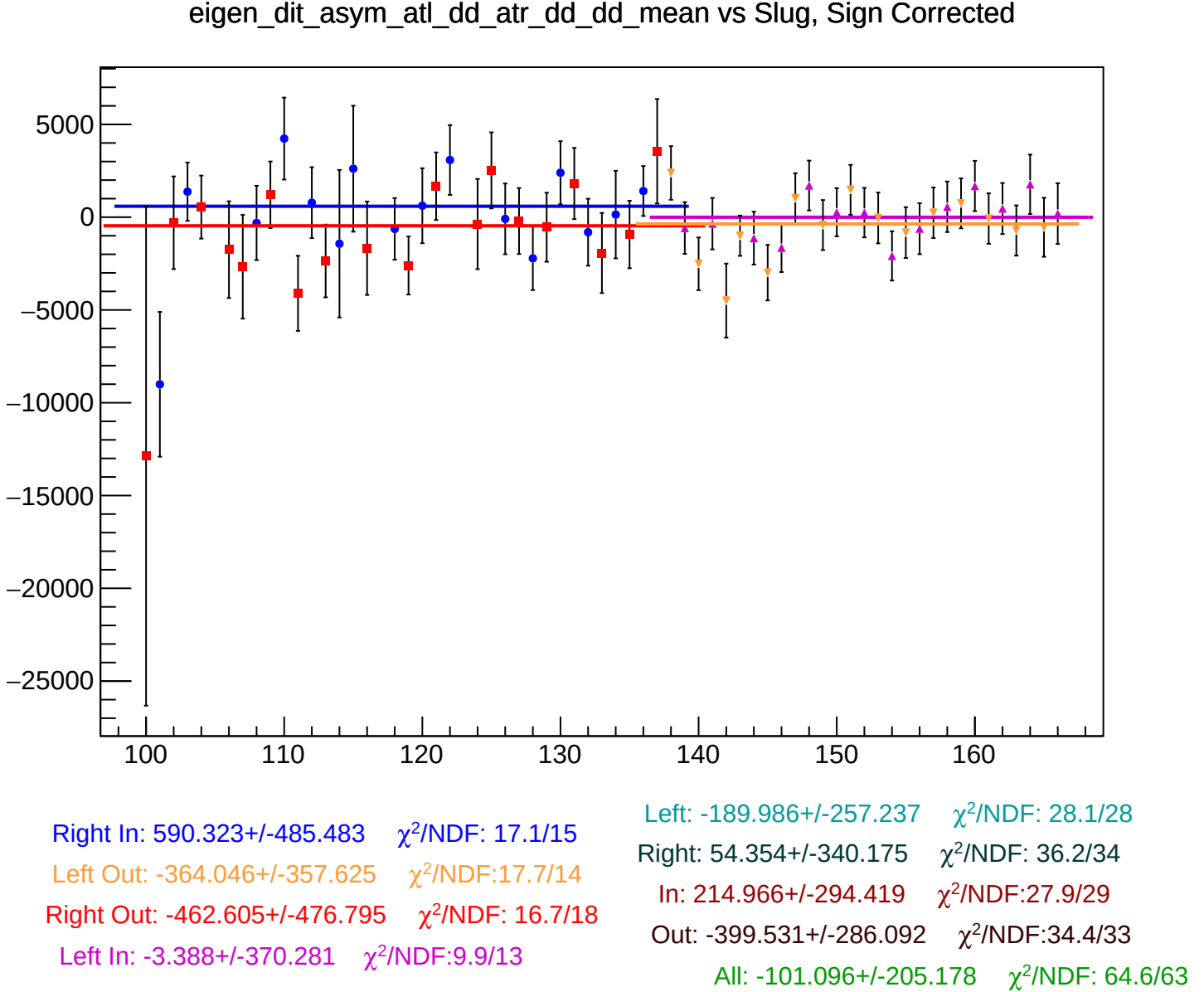
Left: 662.954+/-0.099 χ^2/NDF: 1343734.2/28

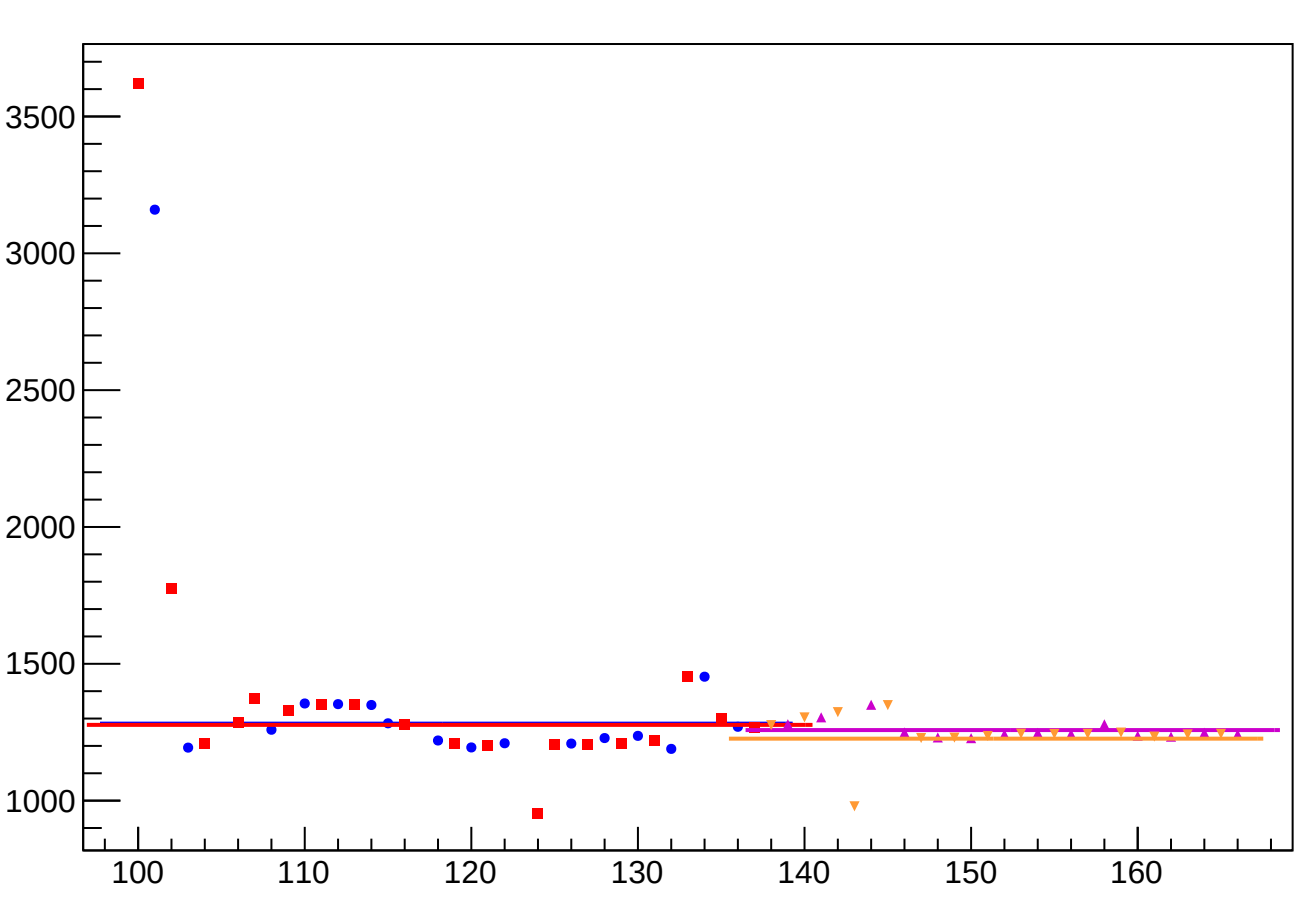
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 730.209+/-0.125 χ^2/NDF:3198020.4/29

Out: 750.705+/-0.129 χ^2/NDF:4611395.2/33

All: 740.107+/-0.090 χ^2/NDF: 7822407.9/63


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -364.046+/-357.625 χ²/NDF:17.7/14
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -3.388+/-370.281 χ²/NDF:9.9/13
Left: -189.986+/-257.237 χ²/NDF: 28.1/28
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 214.966+/-294.419 χ²/NDF:27.9/29
Out: -399.531+/-286.092 χ²/NDF:34.4/33
All: -101.096+/-205.178 χ²/NDF: 64.6/63



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.1/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

Left: 1241.626+/-0.182 χ^2/NDF: 155644.9/28

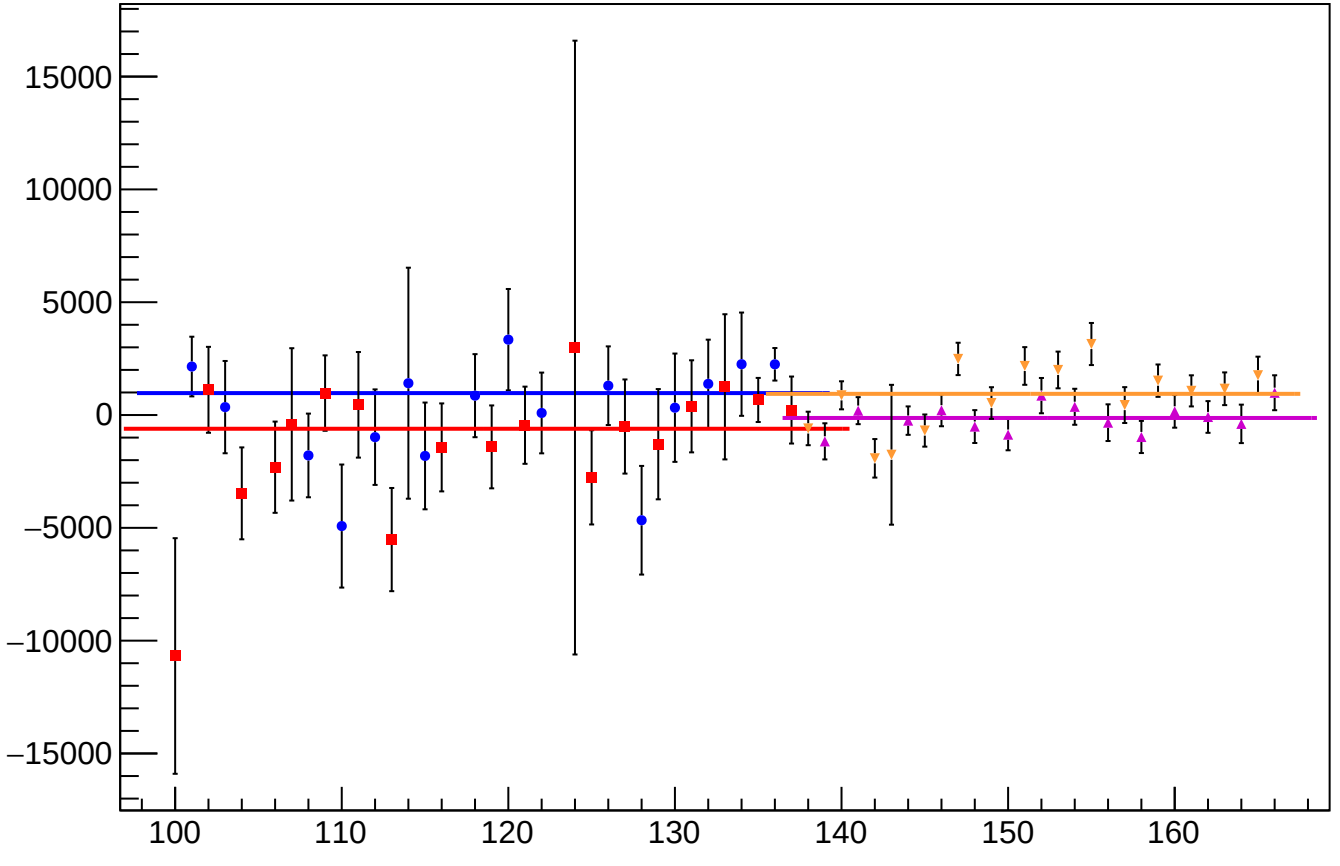
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.3/29

Out: 1244.615+/-0.202 χ^2/NDF:367530.4/33

All: 1255.249+/-0.145 χ^2/NDF: 898744.7/63

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 939.026+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -130.262+/-194.288 χ^2/NDF:9.4/13

Left: 388.034+/-139.467 χ^2/NDF: 62.2/28

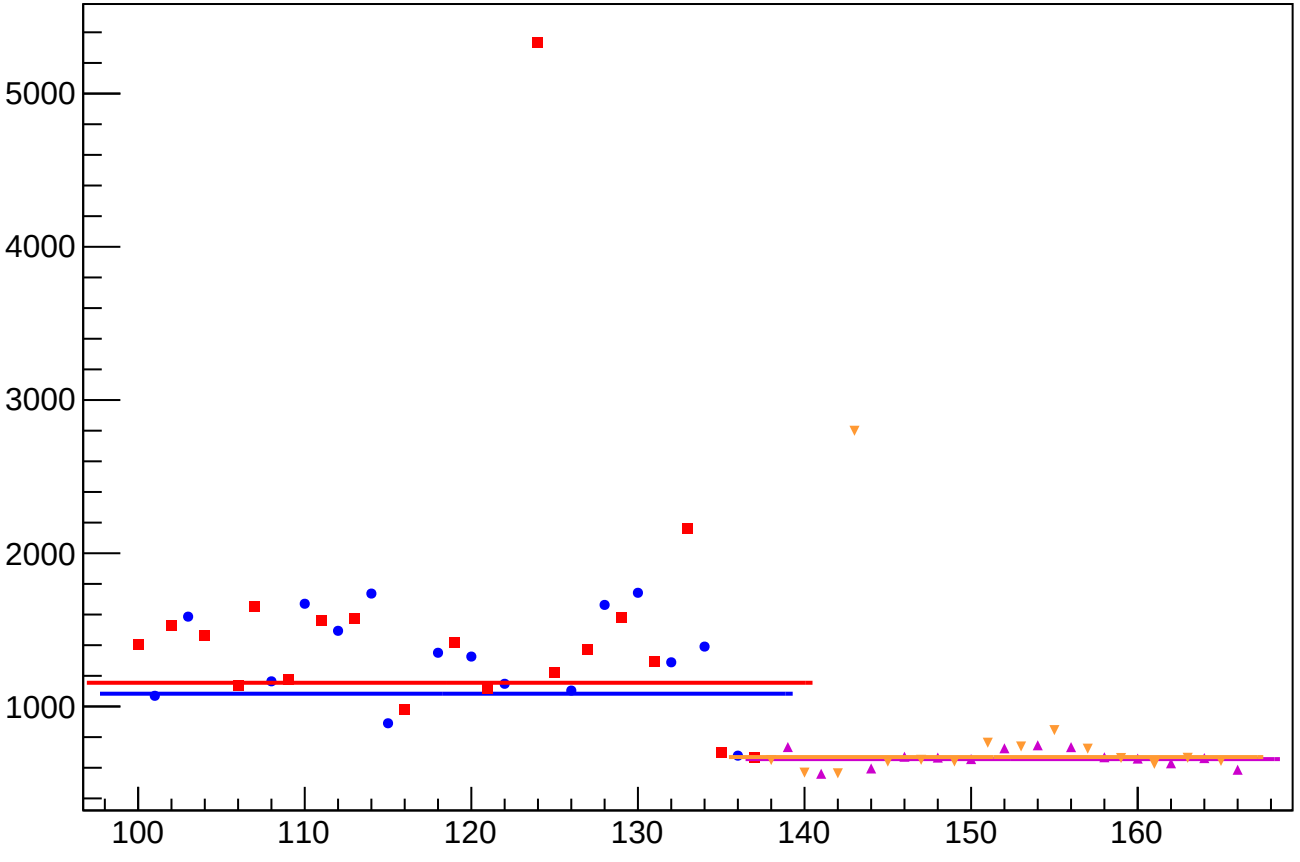
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 60.159+/-176.715 χ^2/NDF:35.5/29

Out: 680.925+/-182.855 χ^2/NDF:65.2/33

All: 359.945+/-127.072 χ^2/NDF: 106.6/63

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.487+/-0.137 χ^2/NDF:170598.3/13

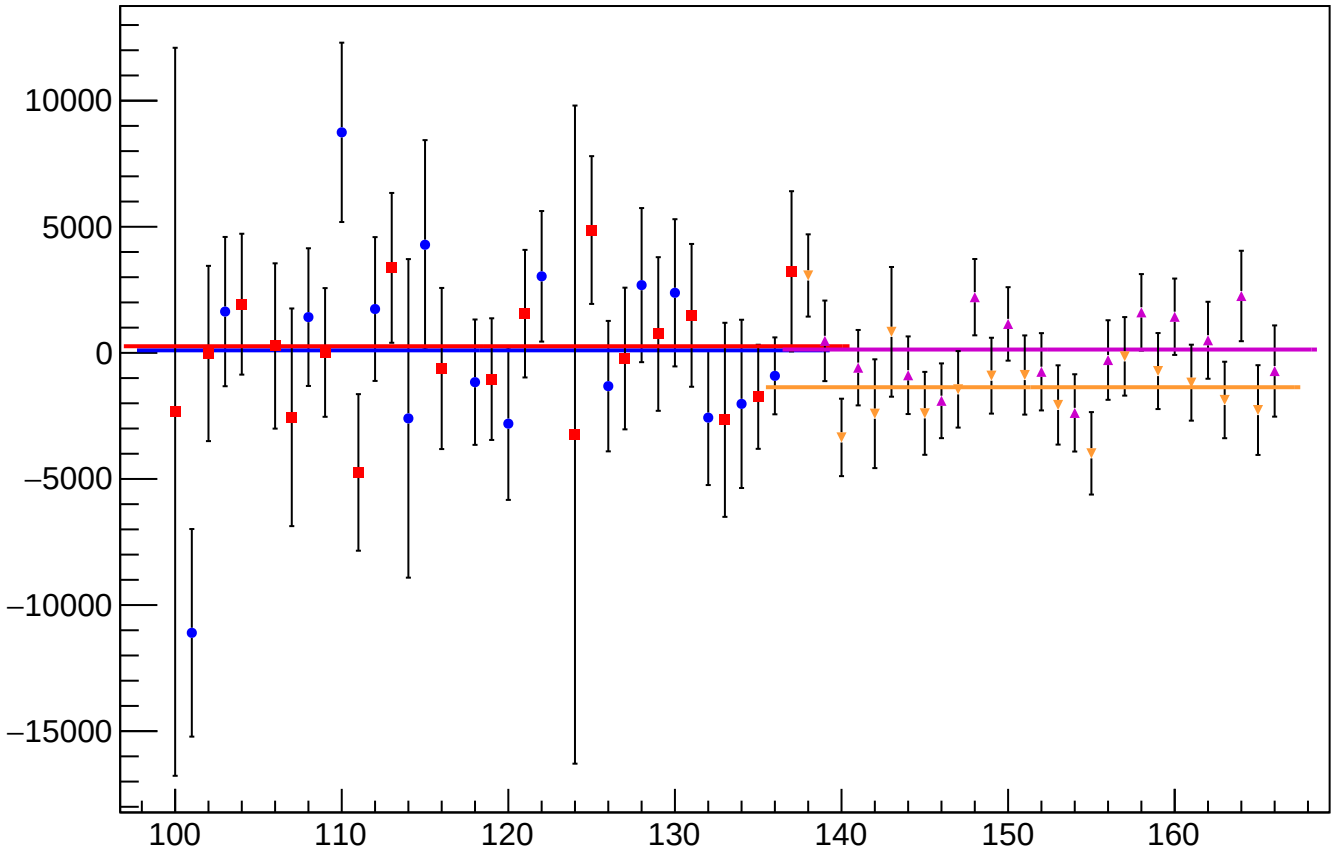
Left: 662.954+/-0.099 χ^2/NDF: 1343732.5/28

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 730.209+/-0.125 χ^2/NDF:3198009.9/29

Out: 750.706+/-0.129 χ^2/NDF:4611377.1/33

All: 740.108+/-0.090 χ^2/NDF: 7822380.4/63



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 131.750+/-415.433 χ^2/NDF:11.4/13

Left: -605.243+/-295.717 χ^2/NDF: 32.4/28

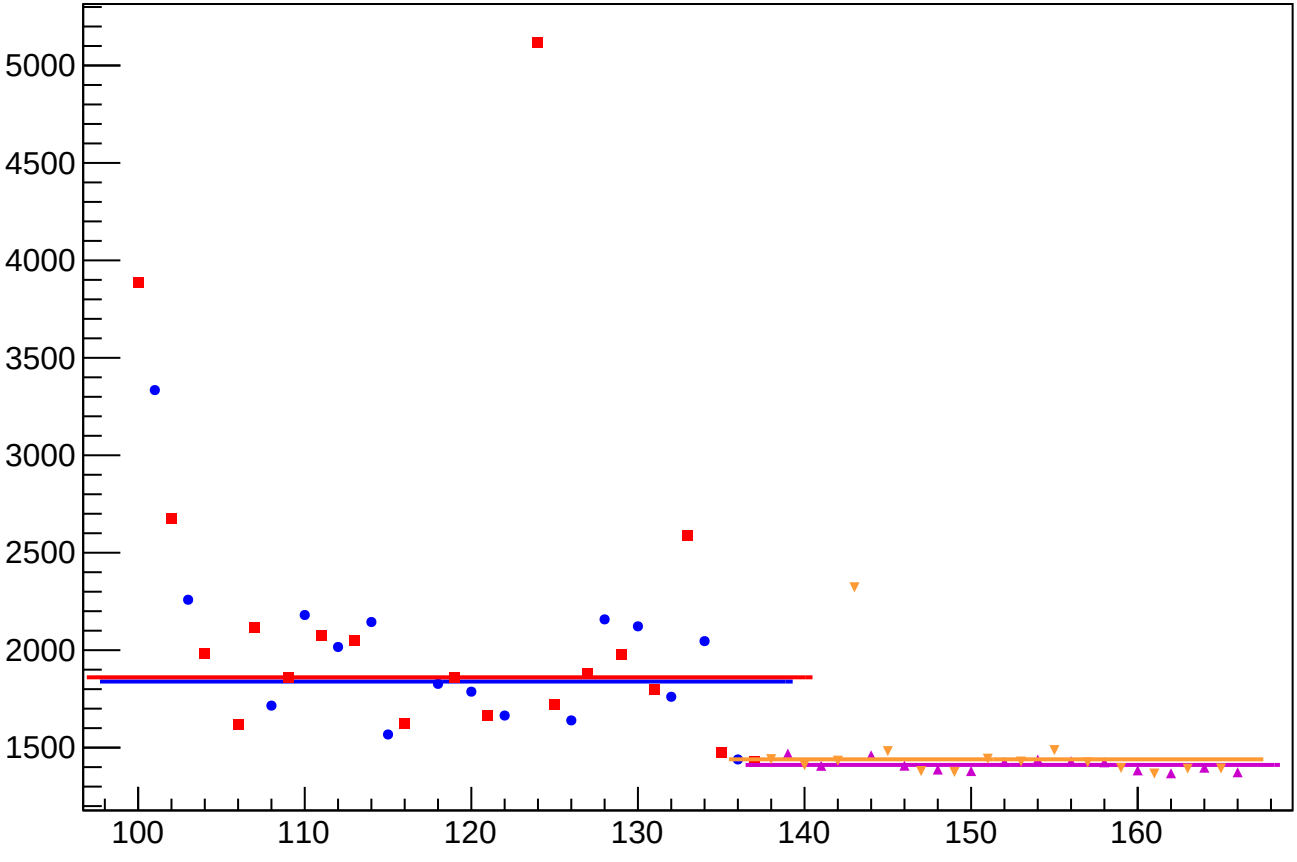
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 123.580+/-357.119 χ^2/NDF:32.7/29

Out: -930.299+/-360.762 χ^2/NDF:28.9/33

All: -398.012+/-253.800 χ^2/NDF: 65.9/63

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1411.277+/-0.294 χ^2/NDF:10630.6/13

Left: 1425.453+/-0.209 χ^2/NDF: 271553.1/28

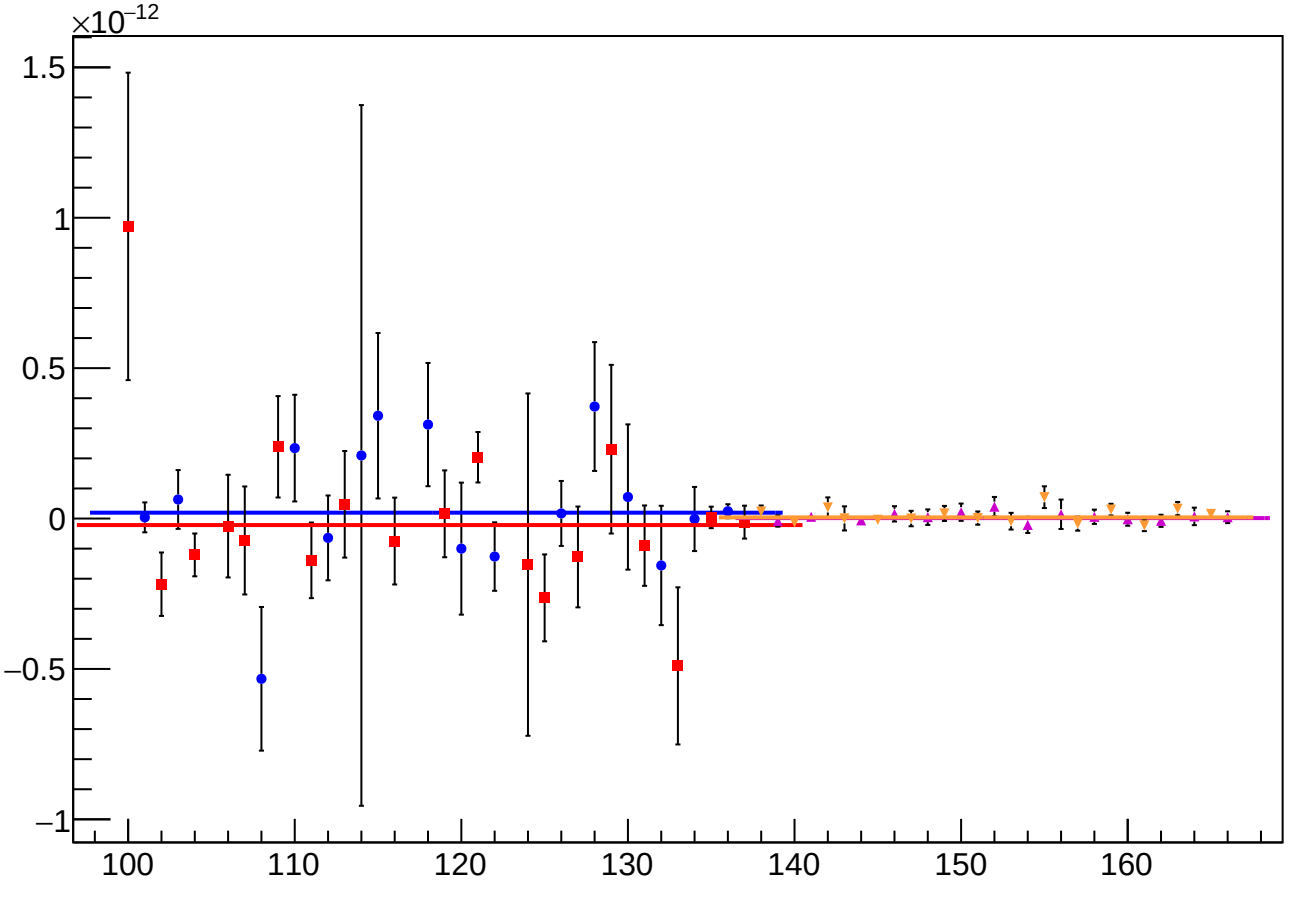
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1522.957+/-0.253 χ^2/NDF:1121060.1/29

Out: 1551.857+/-0.255 χ^2/NDF:1309216.1/33

All: 1537.260+/-0.179 χ^2/NDF: 2436758.9/63

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/13

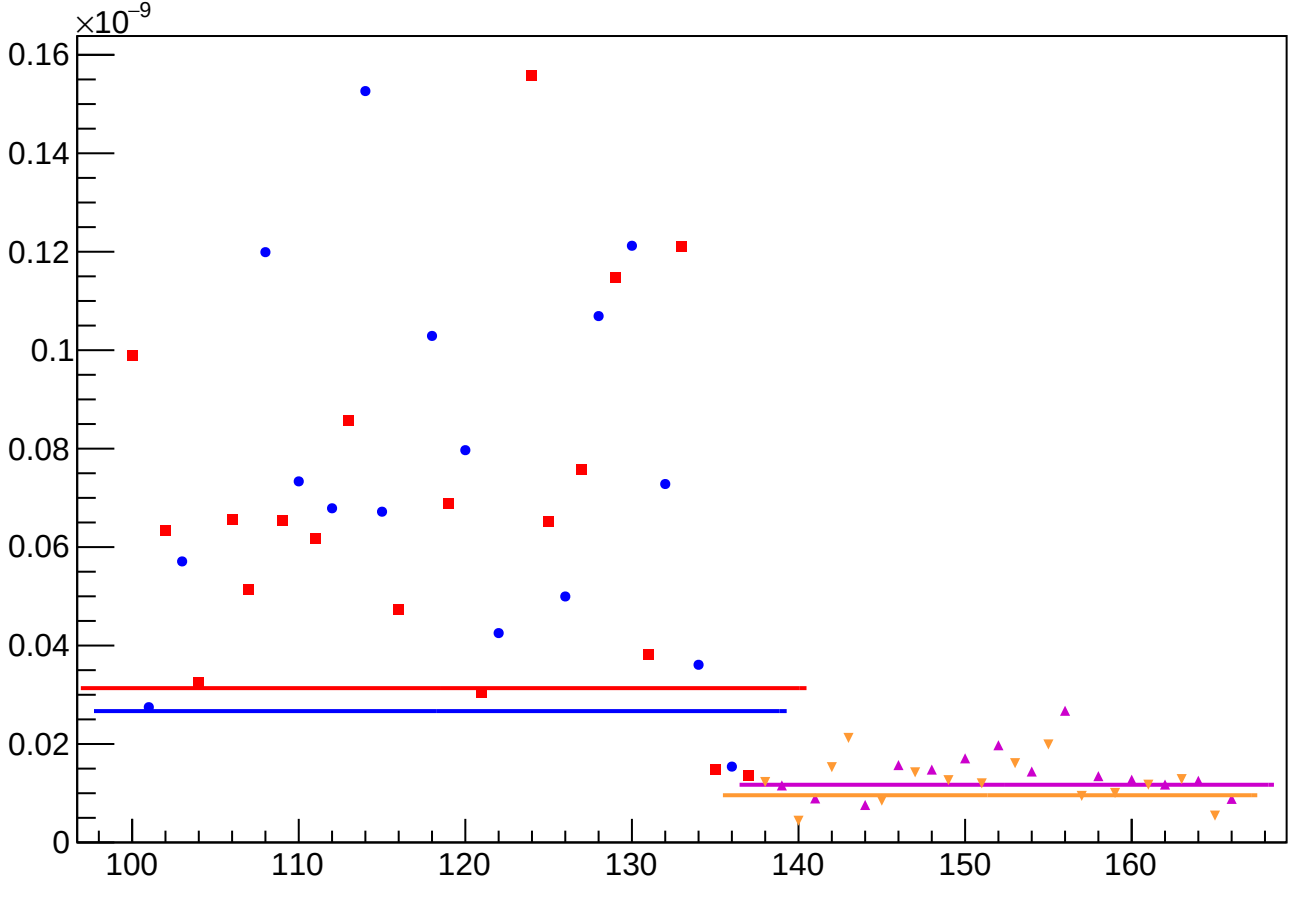
Left: 0.000+/-0.000 χ^2/NDF: 19.3/28

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/29

Out: 0.000+/-0.000 χ^2/NDF:44.7/33

All: 0.000+/-0.000 χ^2/NDF: 66.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336137.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:787855.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2272971.4/28

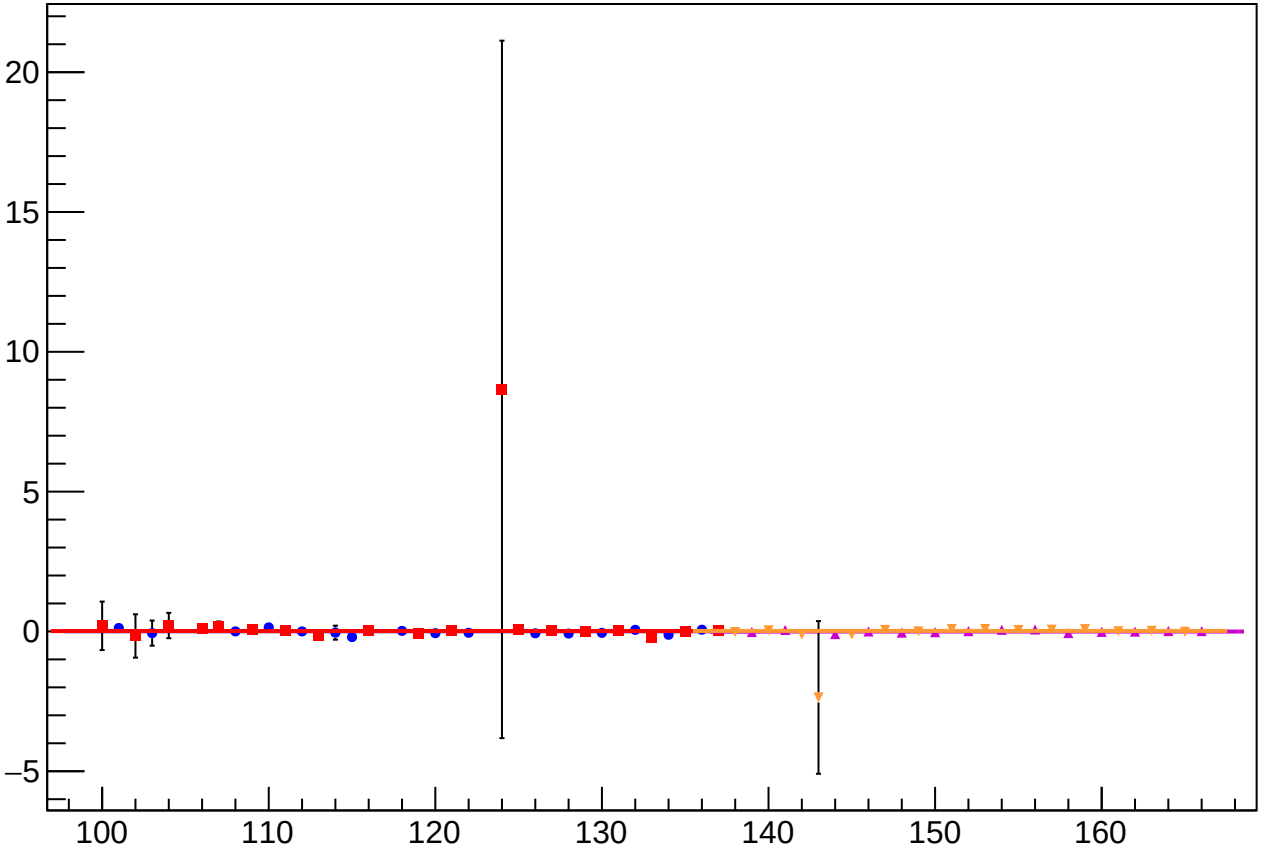
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4523994.1/29

Out: 0.000+/-0.000 χ^2/NDF:5418552.5/33

All: 0.000+/-0.000 χ^2/NDF: 10134956.0/63

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

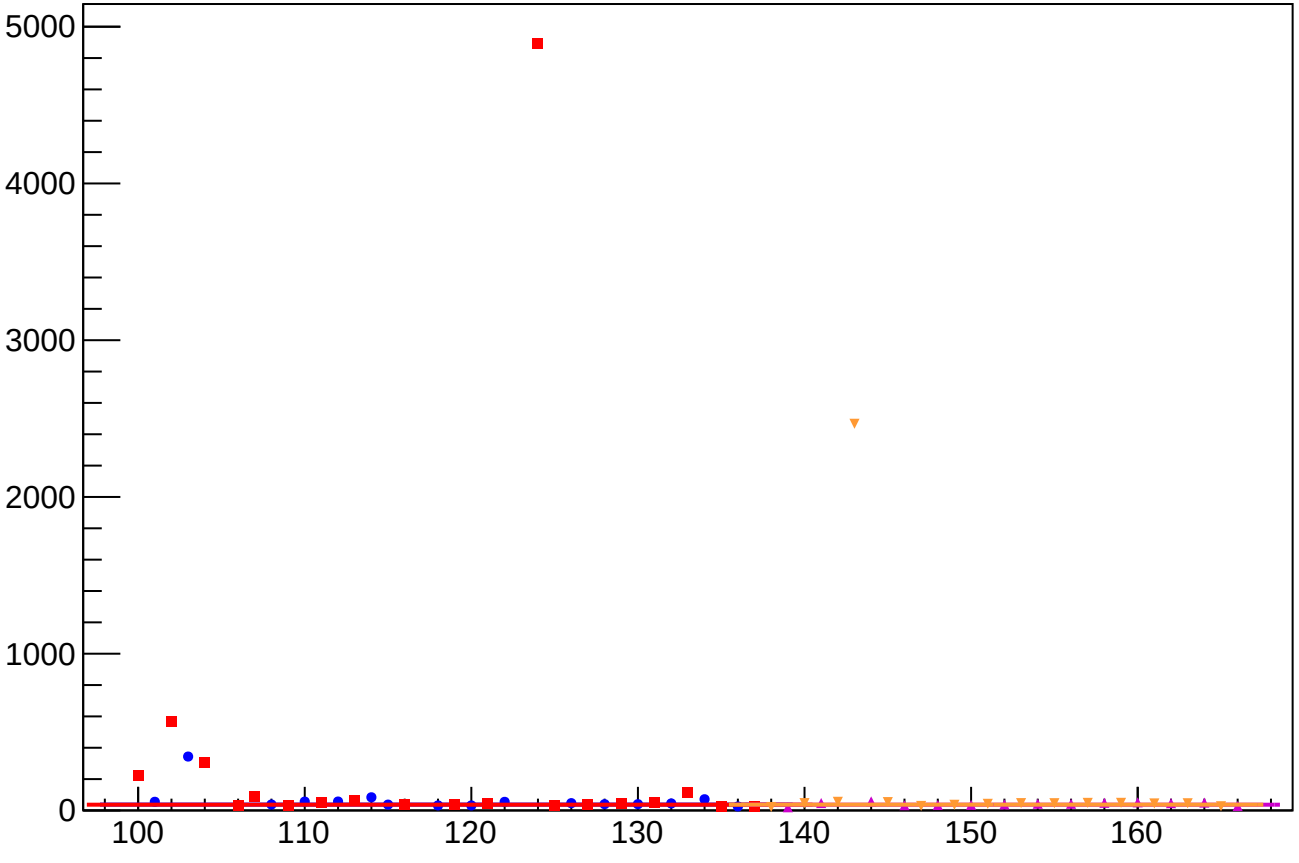
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

Left: 36.882+/-0.006 χ^2/NDF: 4688782.1/28

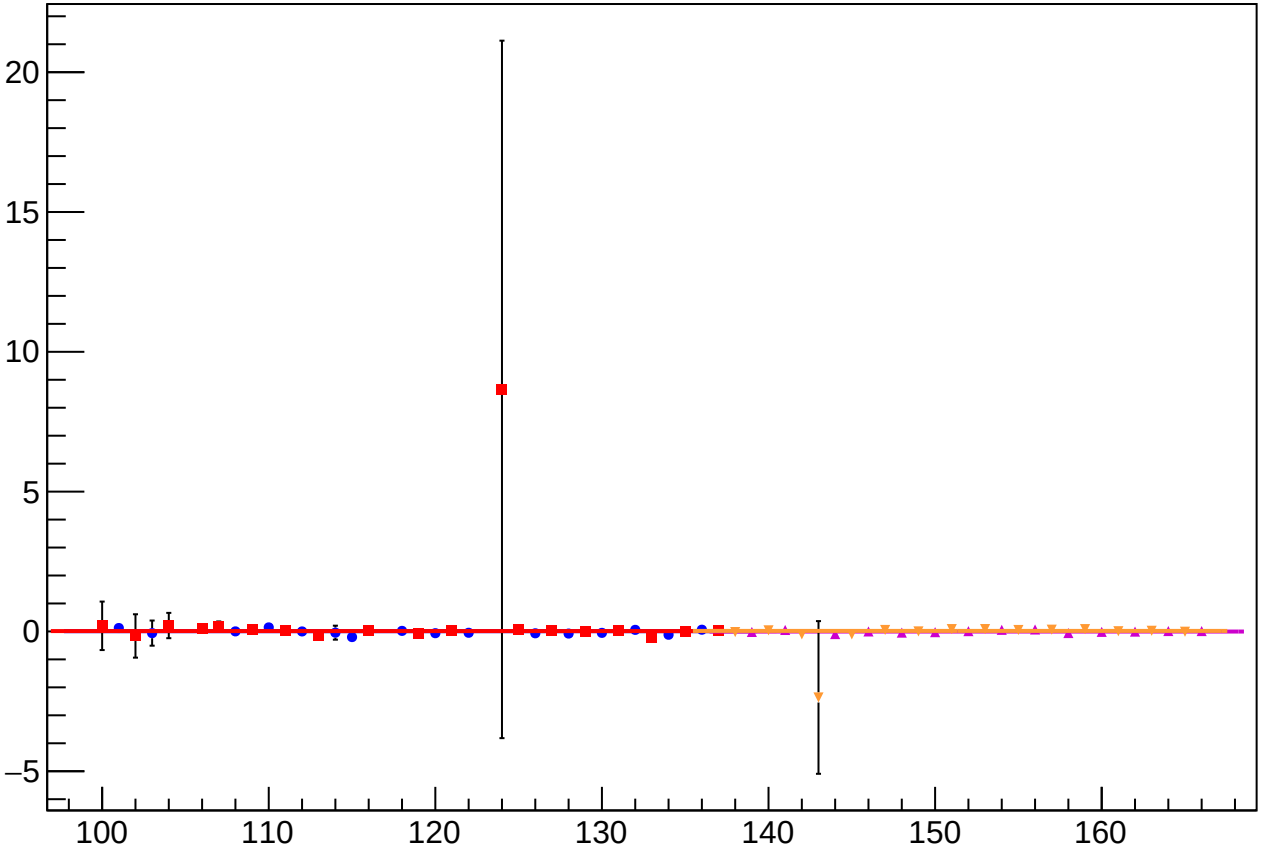
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 36.974+/-0.005 χ^2/NDF: 9865392.8/63

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

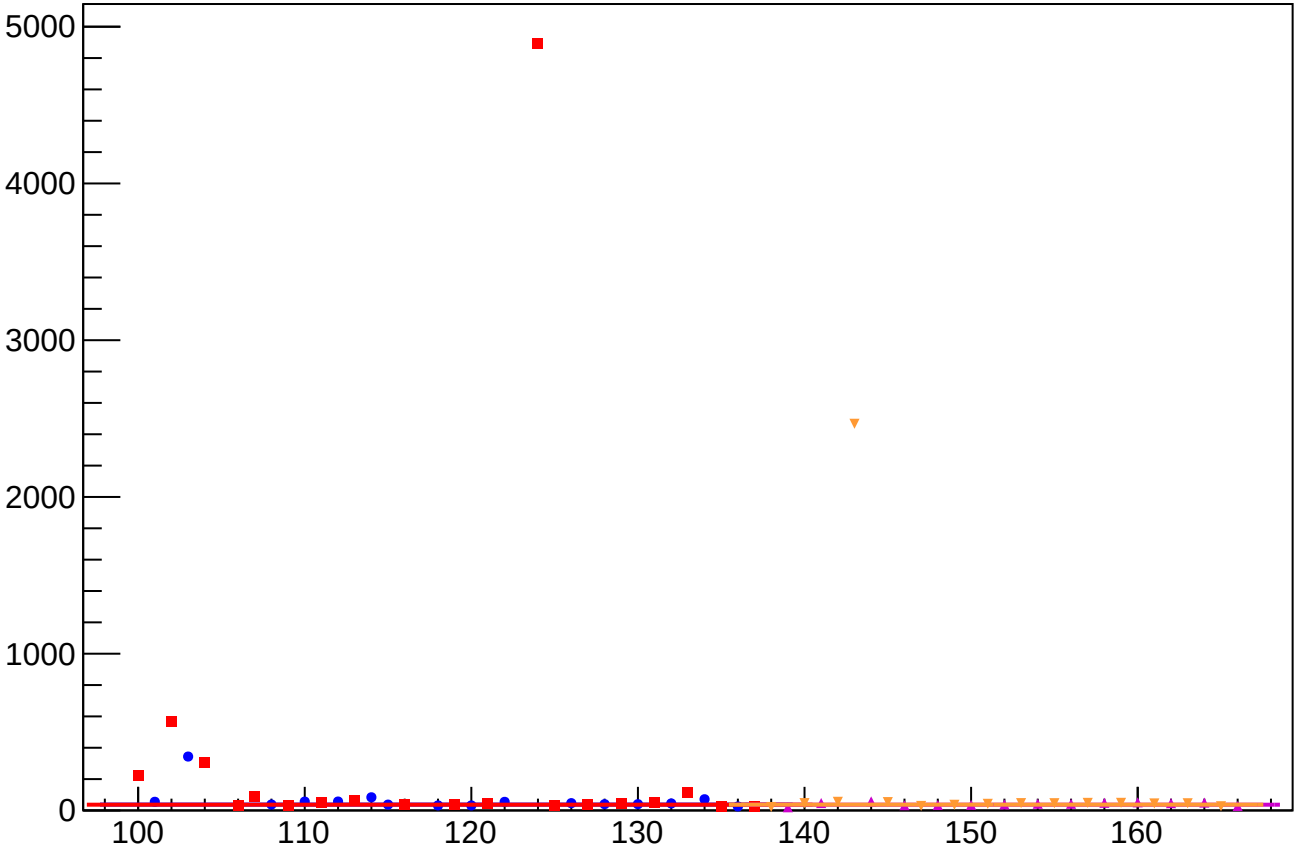
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

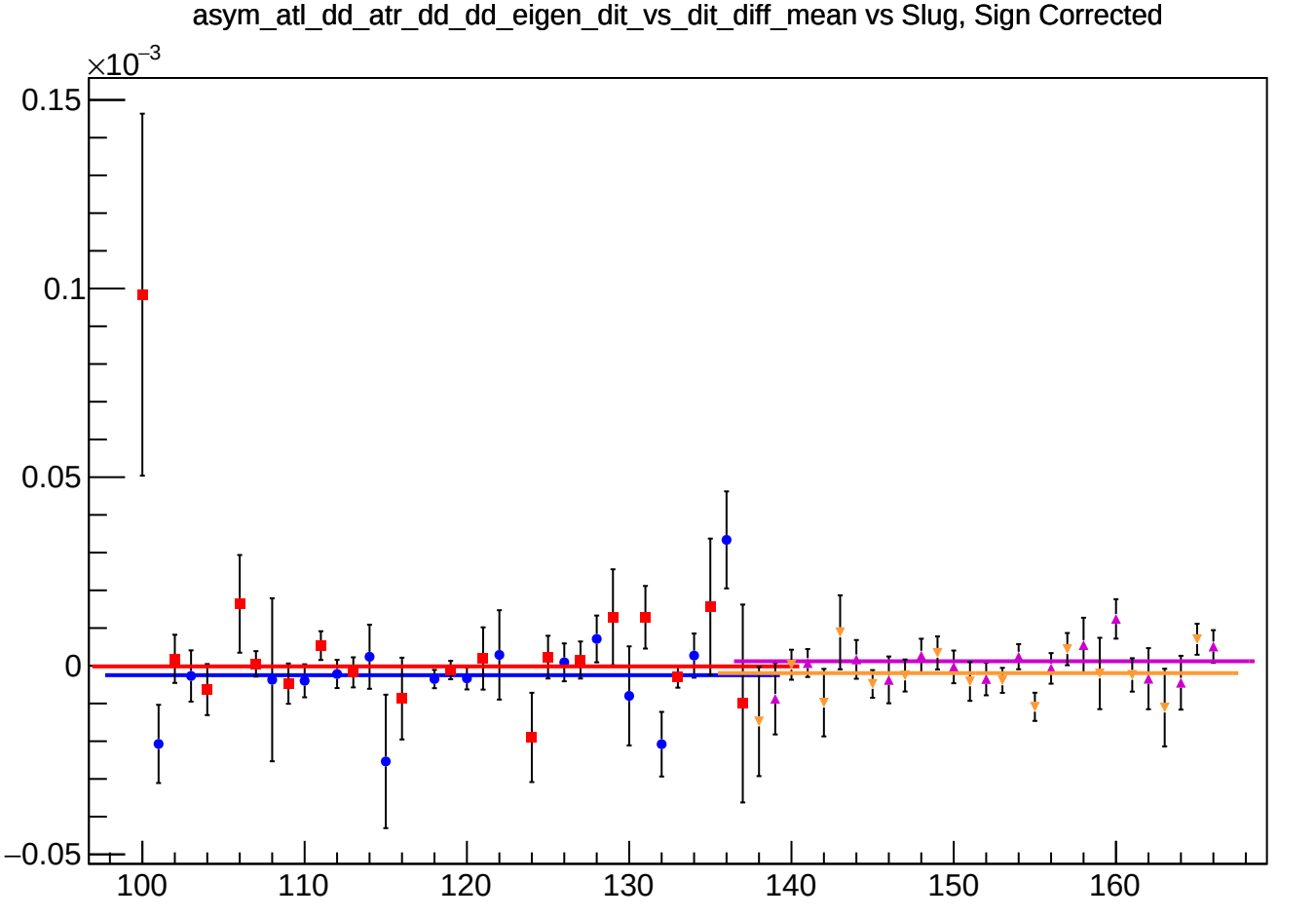
Left: 36.882+/-0.006 χ^2/NDF: 4688782.1/28

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 36.974+/-0.005 χ^2/NDF: 9865392.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

Left: -0.000+/-0.000 χ^2/NDF: 32.6/28

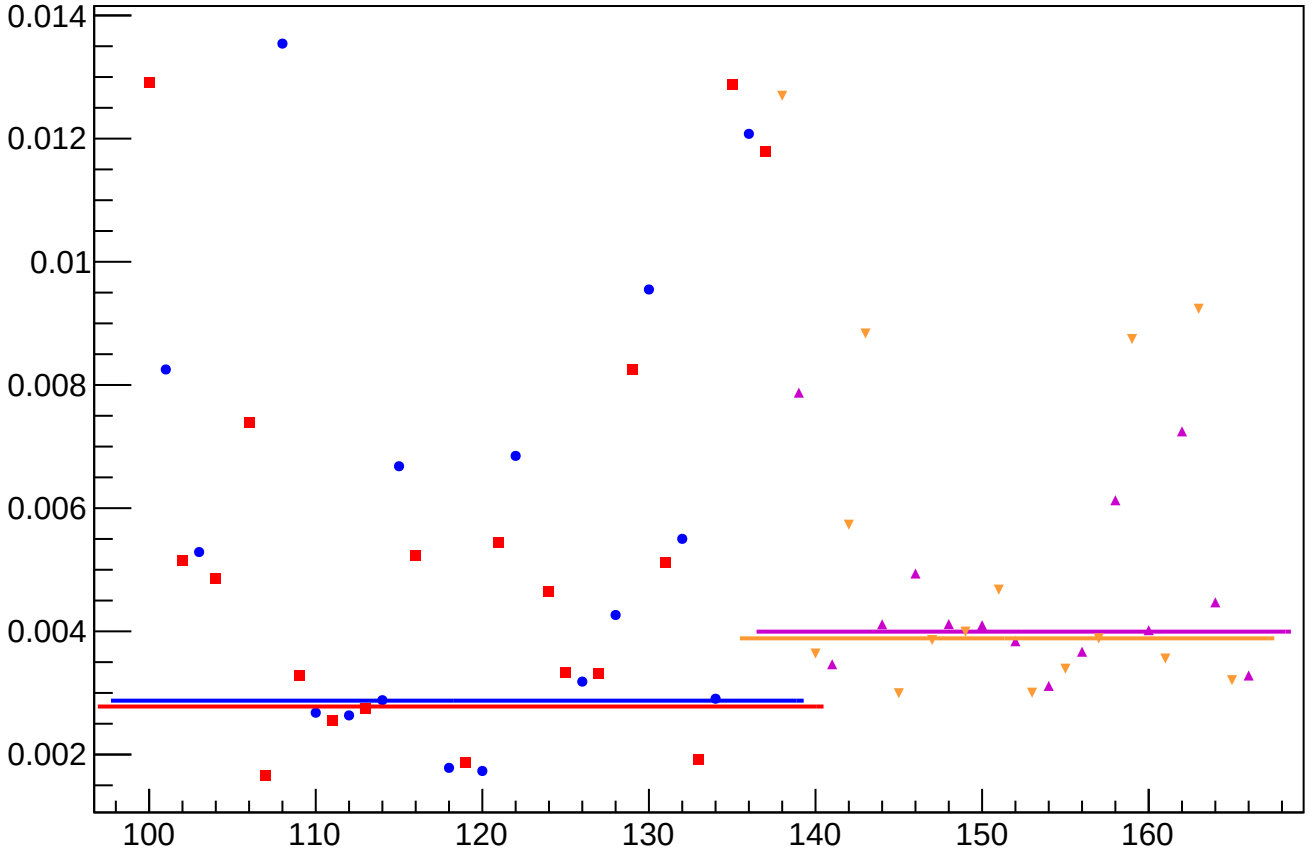
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:36.2/29

Out: -0.000+/-0.000 χ^2/NDF:39.2/33

All: -0.000+/-0.000 χ^2/NDF: 75.5/63

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: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2818229.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1143354.4/13

Left: 0.004+/-0.000 χ^2/NDF: 3969010.9/28

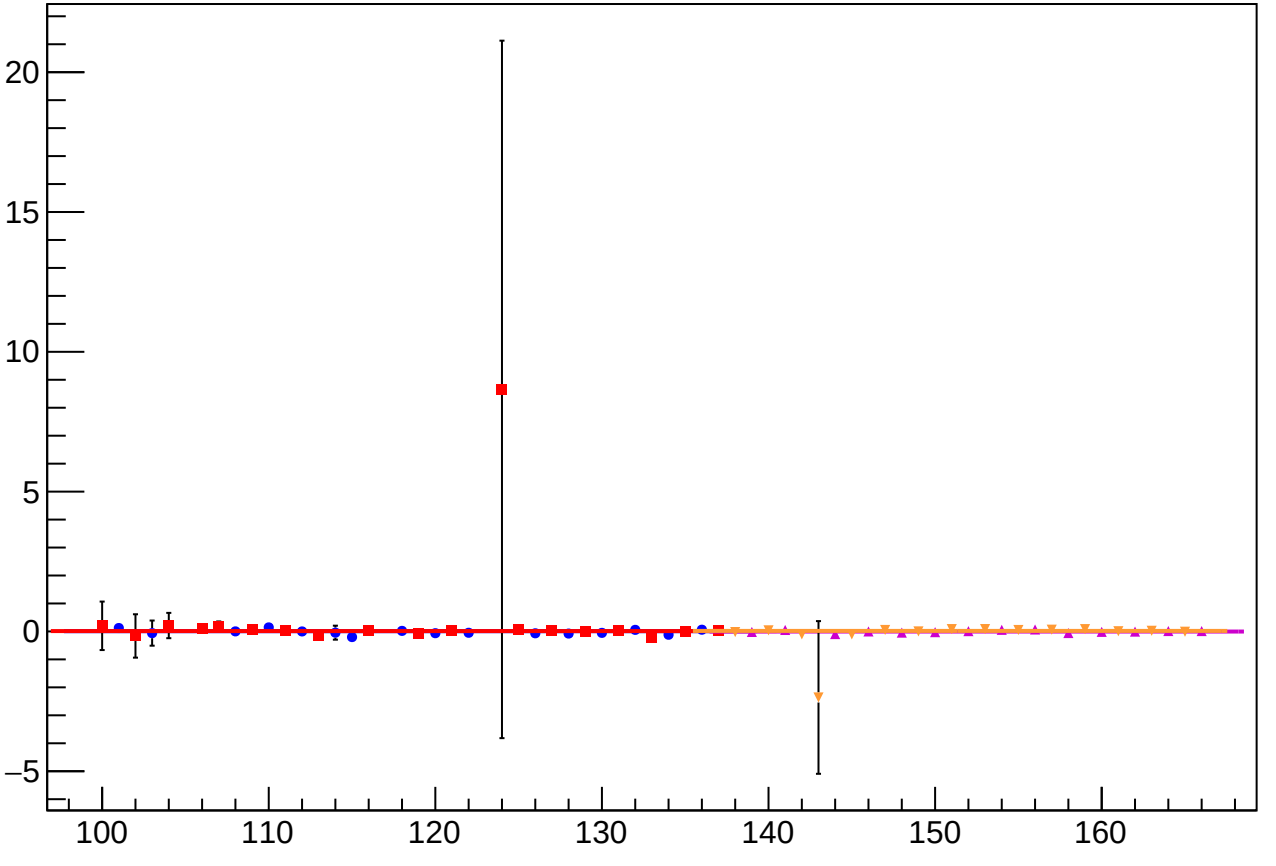
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6040730.1/29

Out: 0.003+/-0.000 χ^2/NDF:6976457.6/33

All: 0.003+/-0.000 χ^2/NDF: 13040356.4/63

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

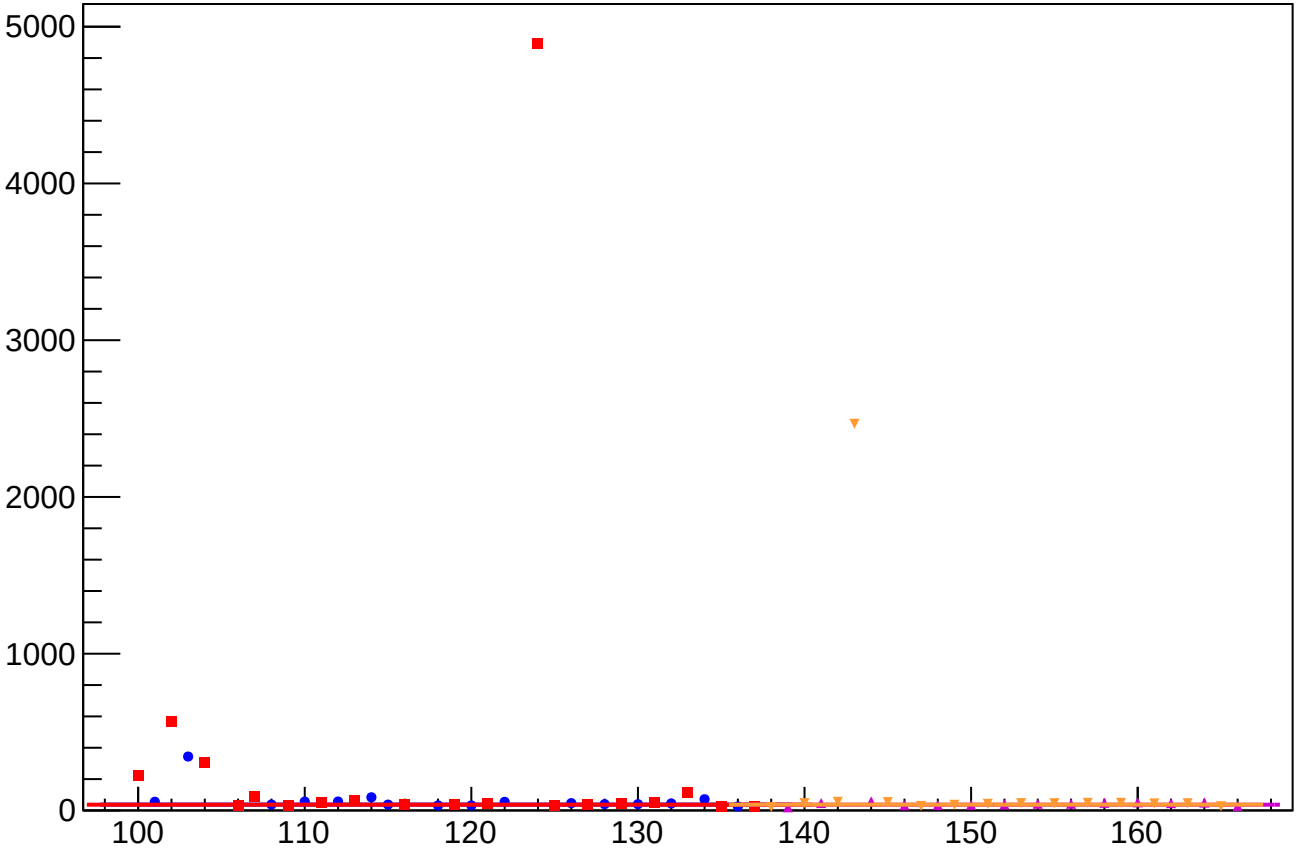
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

Left: 36.882+/-0.006 χ^2/NDF: 4687994.6/28

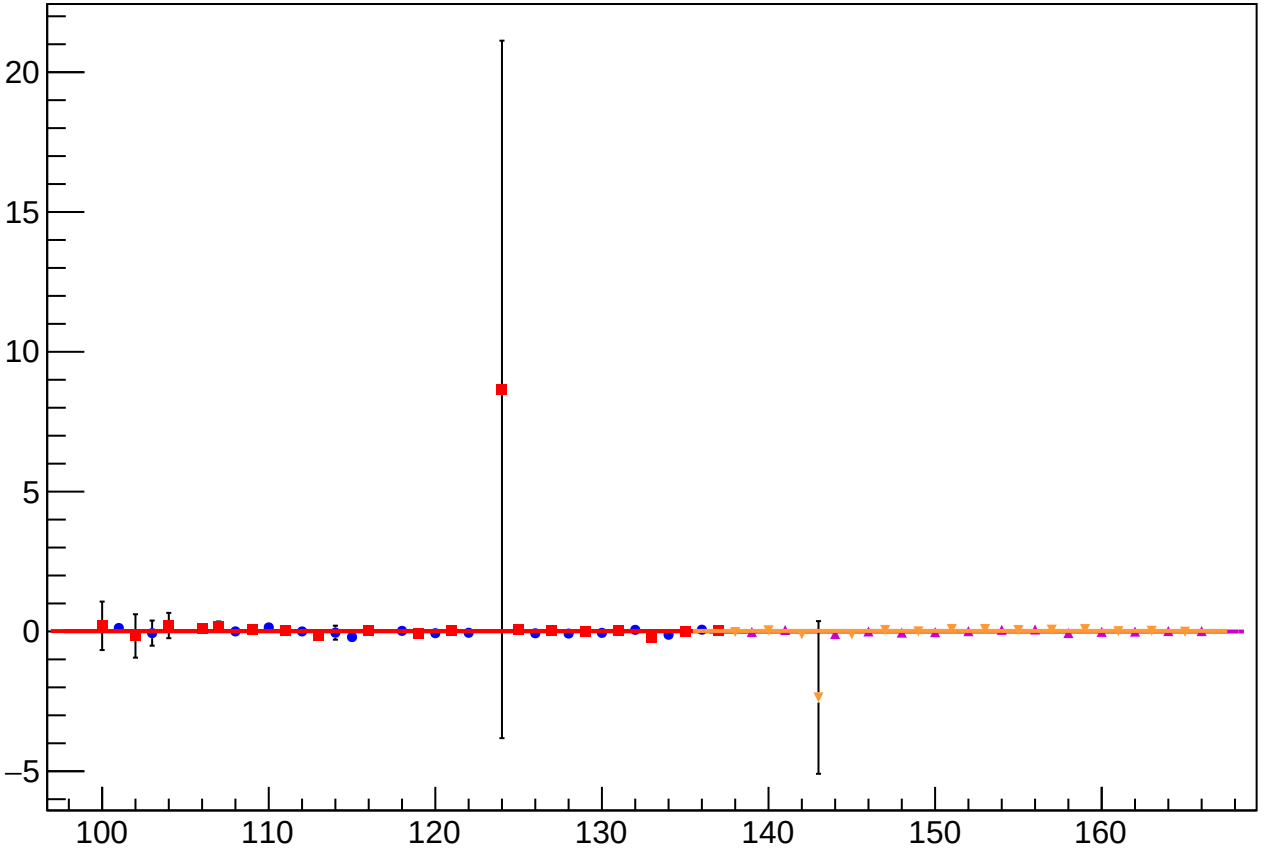
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 36.975+/-0.005 χ^2/NDF: 9864234.8/63

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

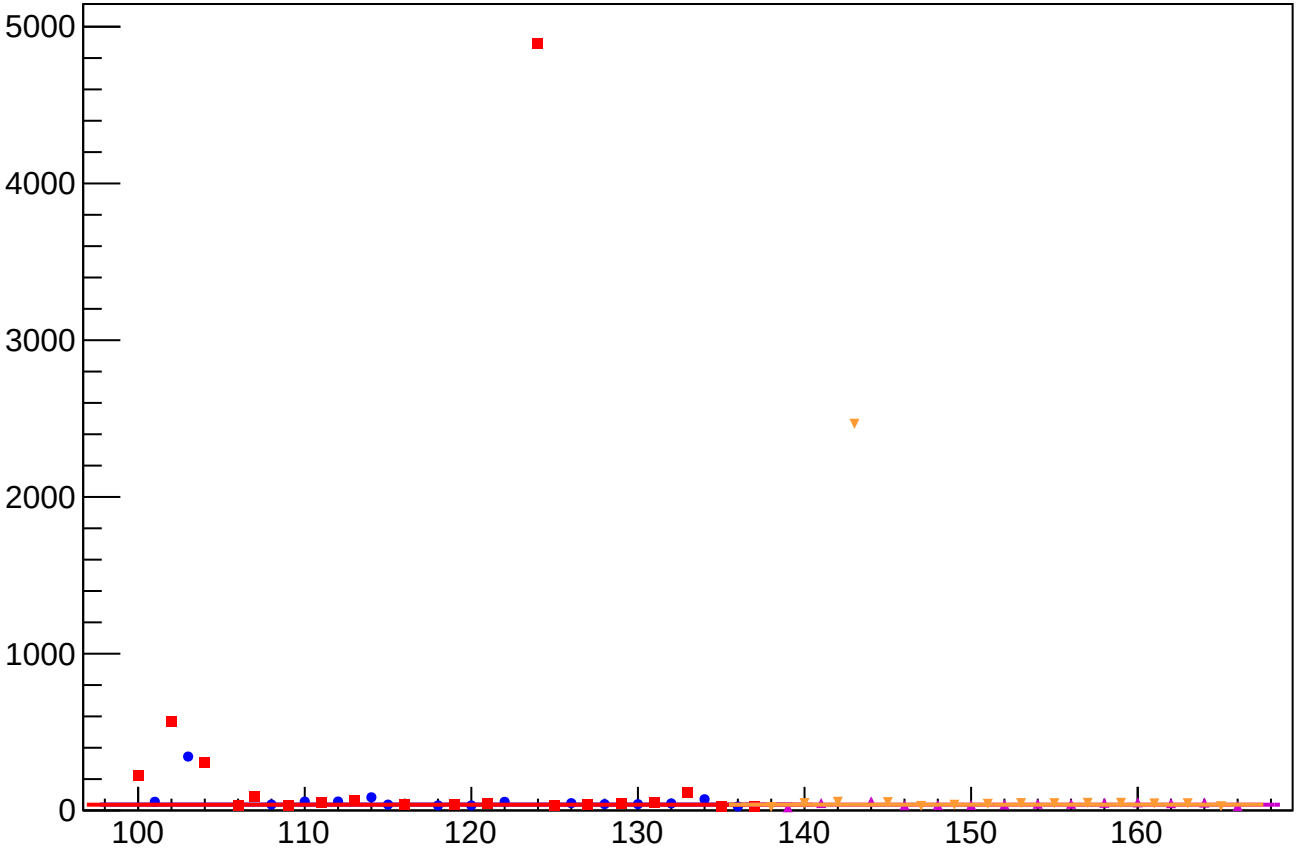
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

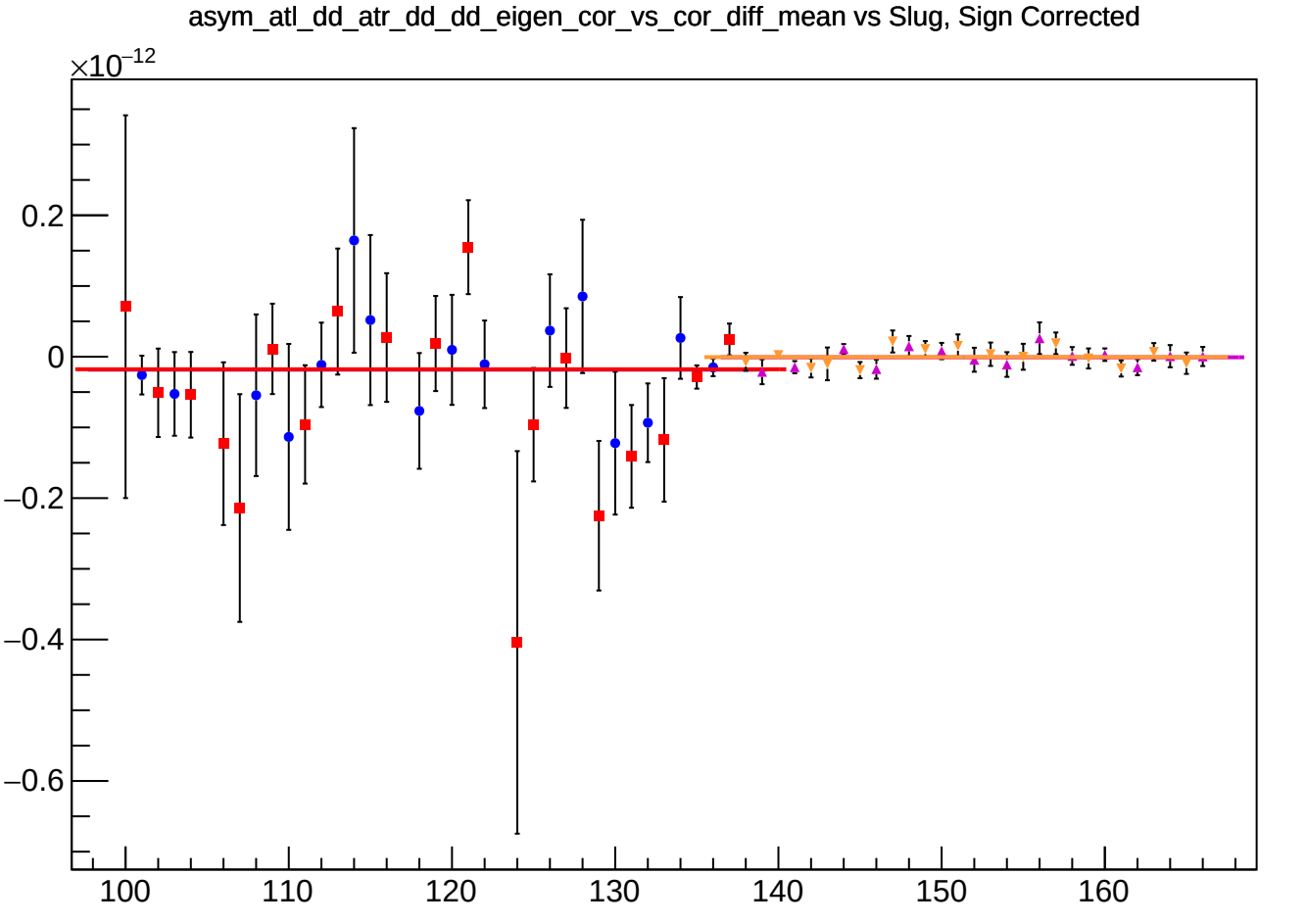
Left: 36.882+/-0.006 χ^2/NDF: 4687994.6/28

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 36.975+/-0.005 χ^2/NDF: 9864234.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/13

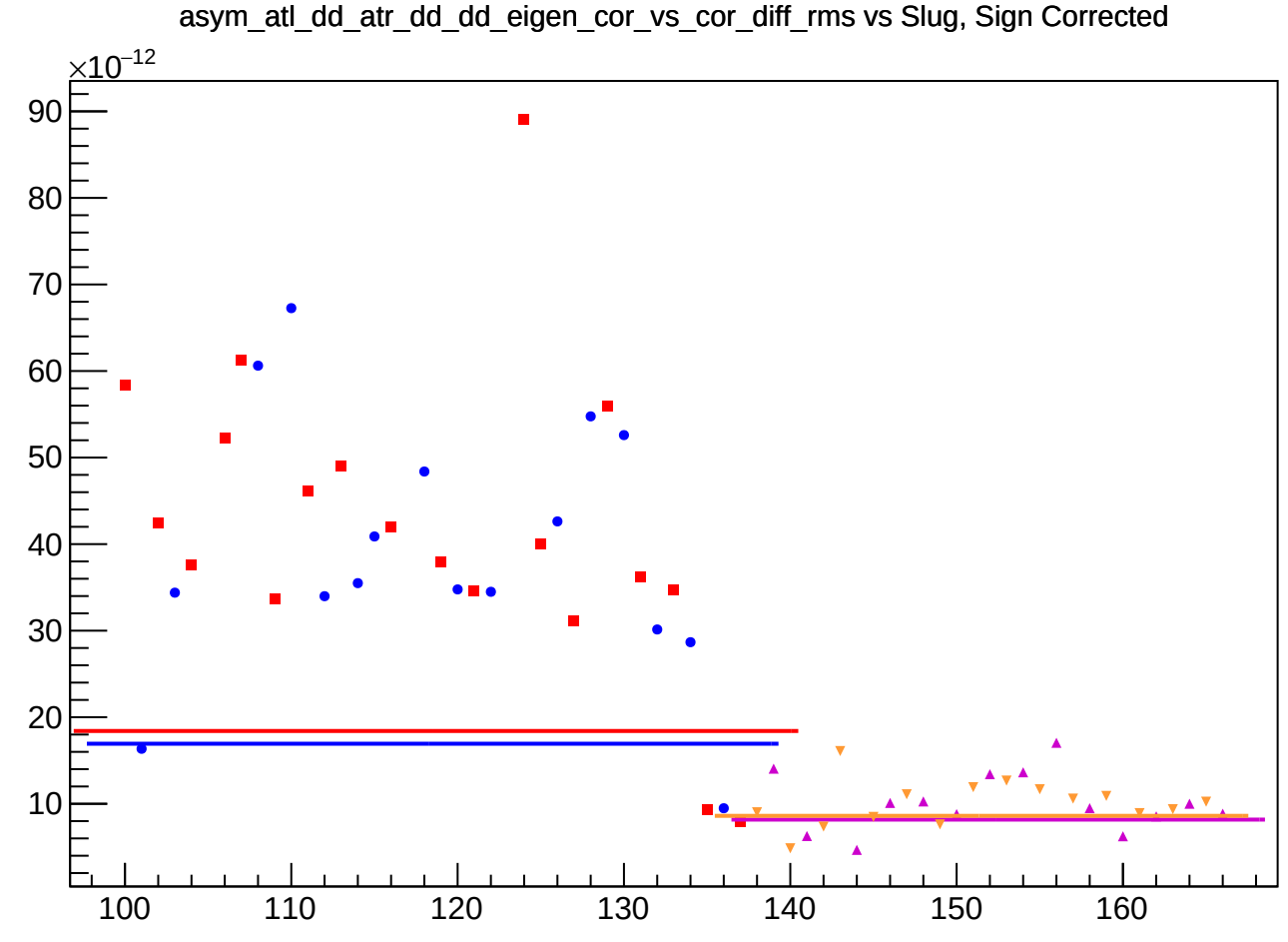
Left: -0.000+/-0.000 χ^2/NDF: 26.4/28

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:42.3/33

All: -0.000+/-0.000 χ^2/NDF: 67.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1756412.5/13

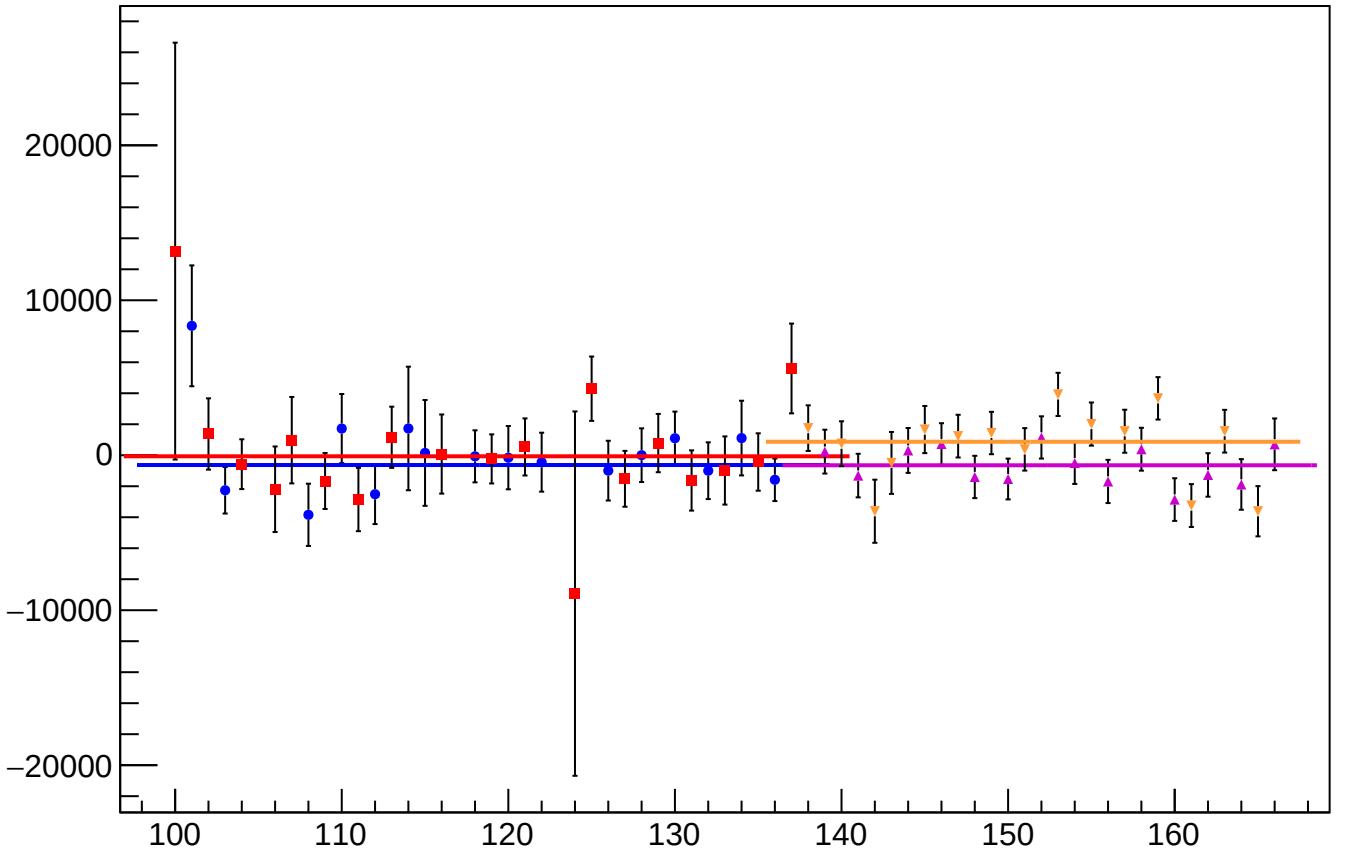
Left: 0.000+/-0.000 χ^2/NDF: 3064839.7/28

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382655.2/29

Out: 0.000+/-0.000 χ^2/NDF:6411150.9/33

All: 0.000+/-0.000 χ^2/NDF: 12812054.5/63



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -648.112+/-376.741 χ^2/NDF:9.7/13

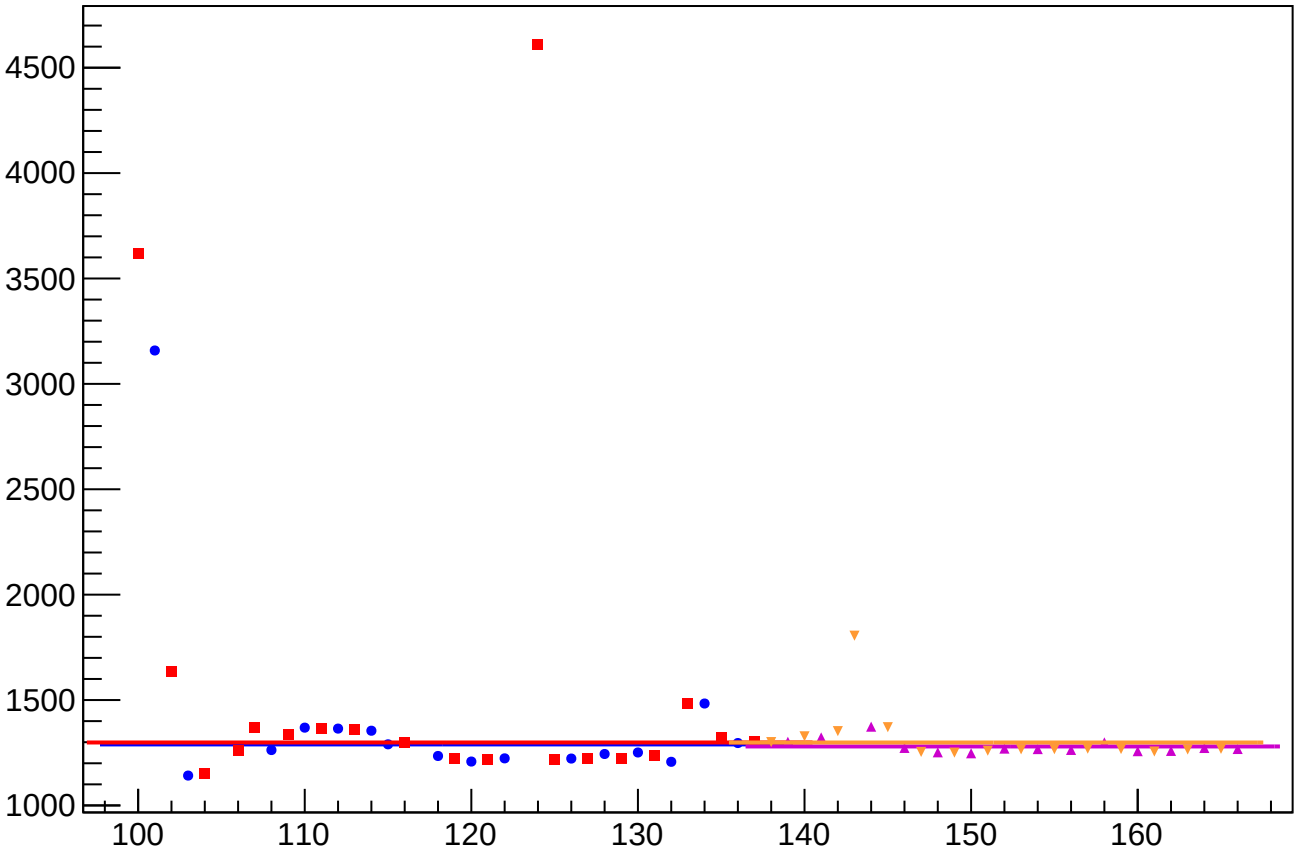
Left: 107.406+/-267.110 χ^2/NDF: 50.8/28

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -641.748+/-298.364 χ^2/NDF:23.6/29

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -63.444+/-211.256 χ^2/NDF: 82.3/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

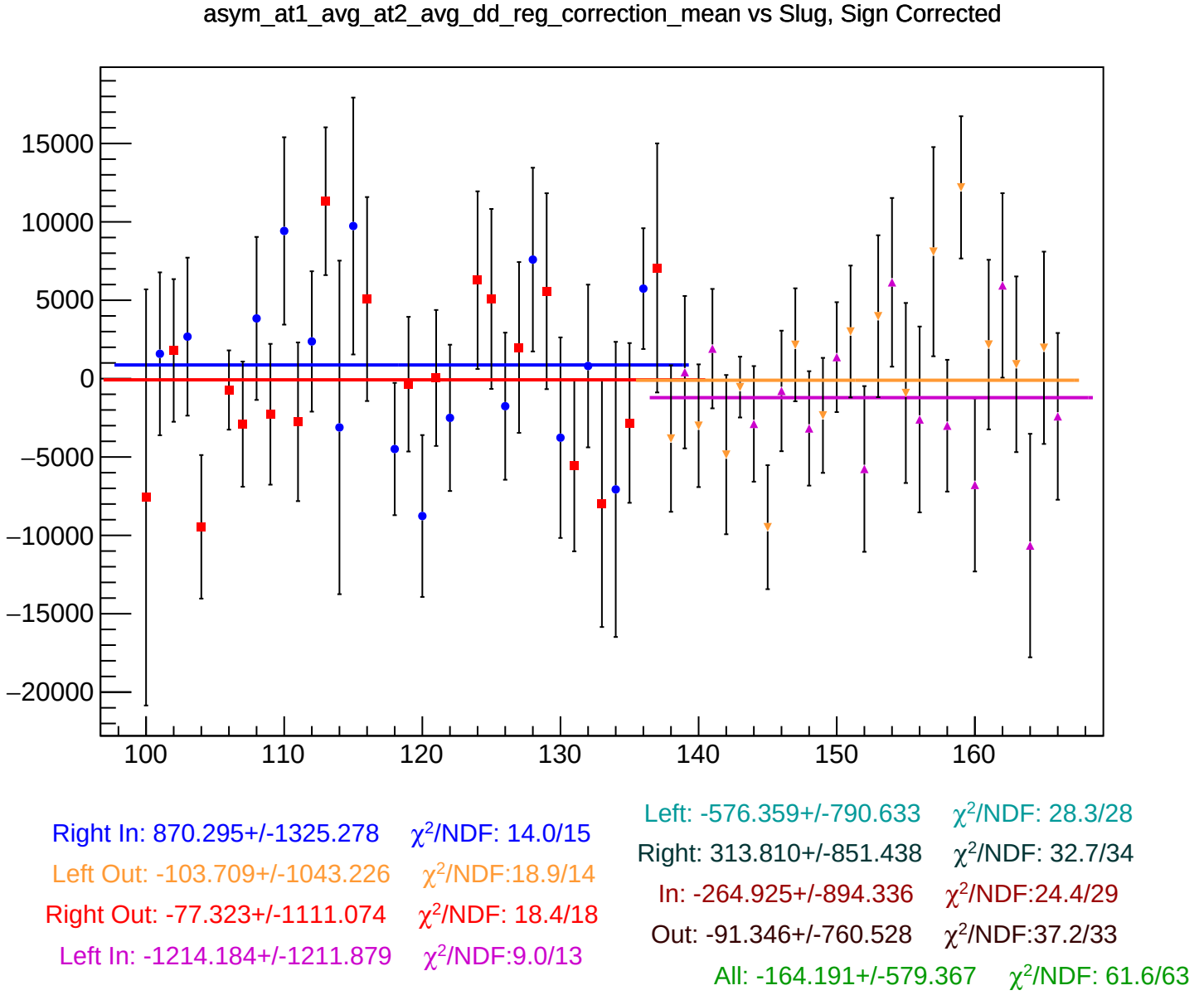
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

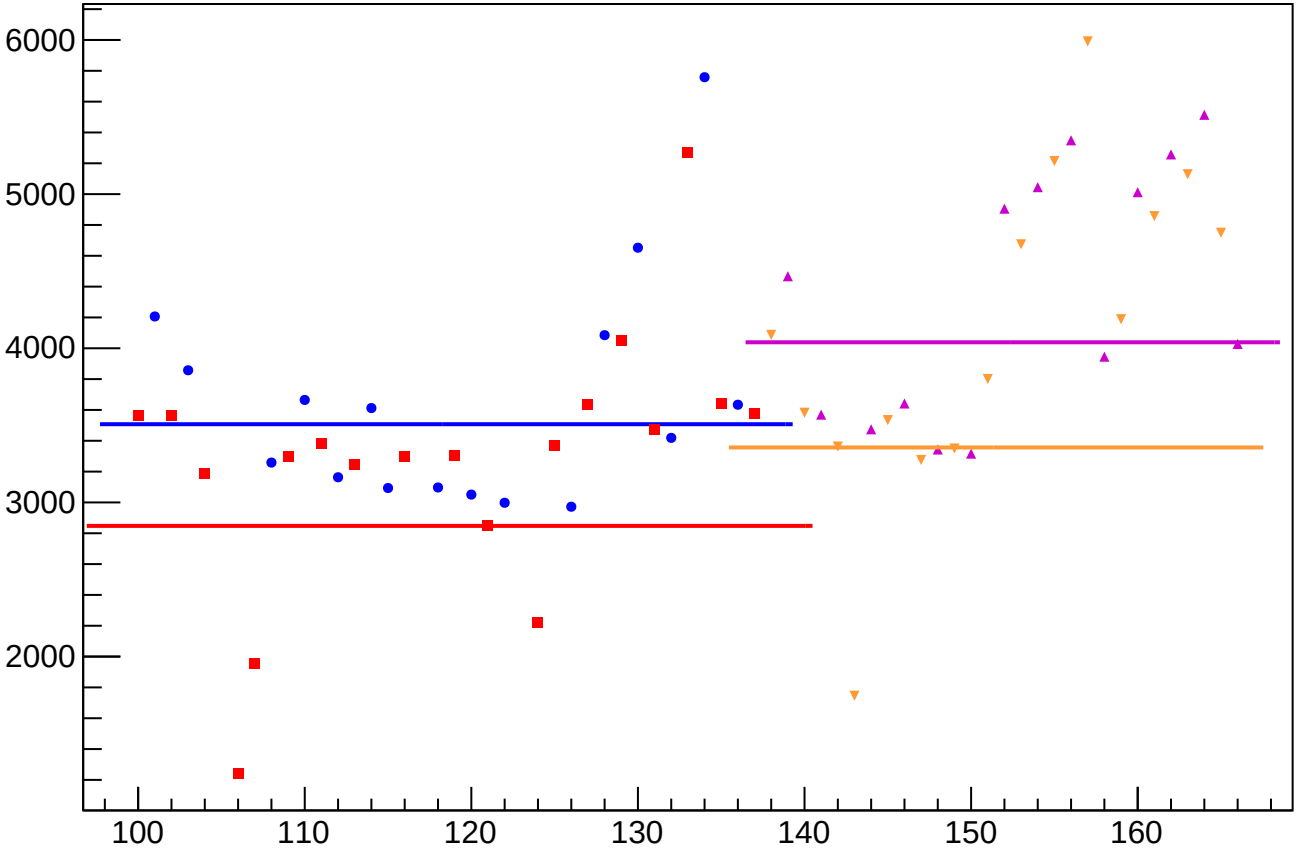
In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1290.999+/-0.149 χ^2/NDF: 1001419.8/63


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1214.184+/-1211.879 χ²/NDF:9.0/13
Left: -576.359+/-790.633 χ²/NDF: 28.3/28
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -264.925+/-894.336 χ²/NDF:24.4/29
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -164.191+/-579.367 χ²/NDF: 61.6/63

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4038.851+/-0.857 χ^2/NDF:727704.4/13

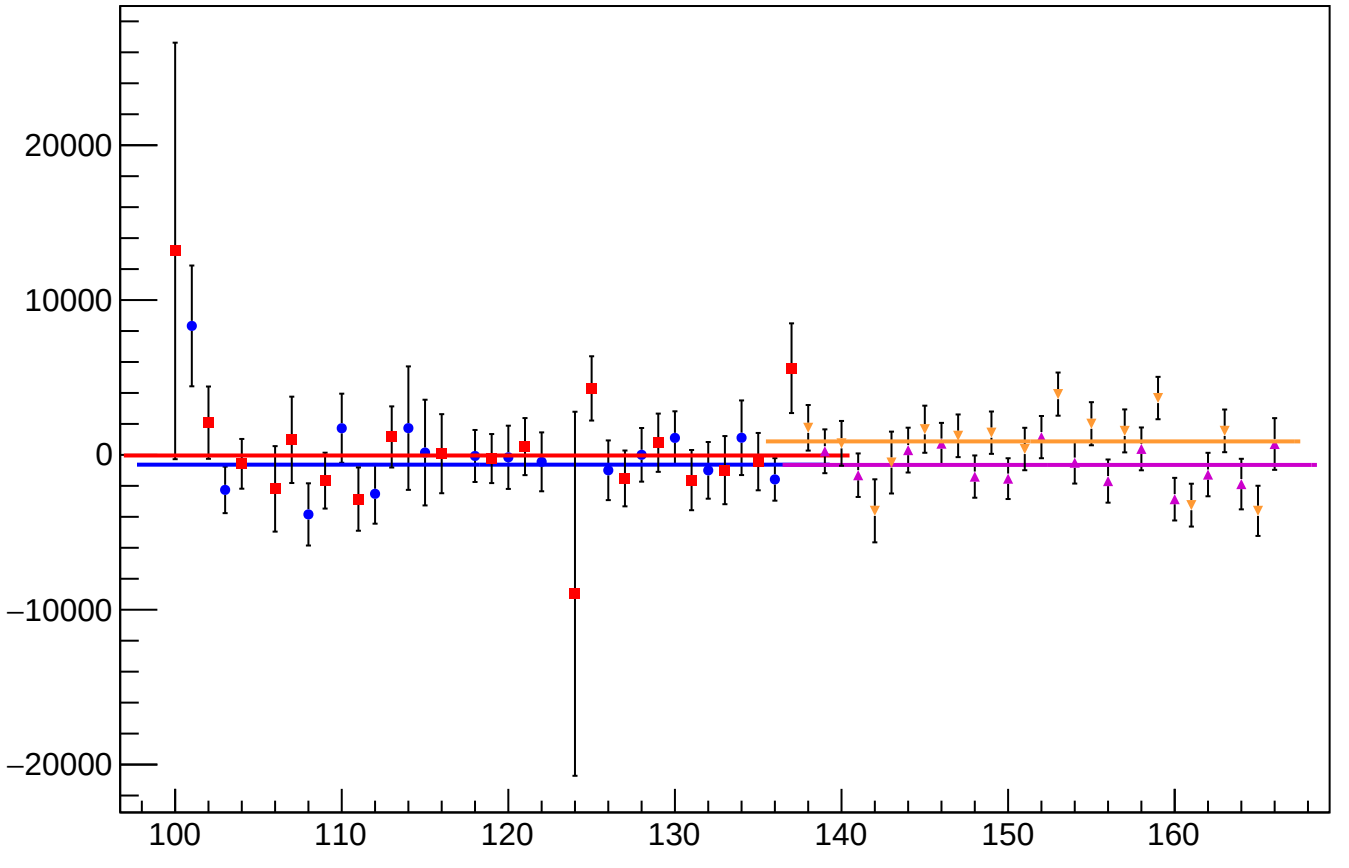
Left: 3646.968+/-0.559 χ^2/NDF: 3729097.0/28

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3796.830+/-0.632 χ^2/NDF:1256841.6/29

Out: 3118.208+/-0.538 χ^2/NDF:4359502.7/33

All: 3403.004+/-0.410 χ^2/NDF: 6284629.9/63



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

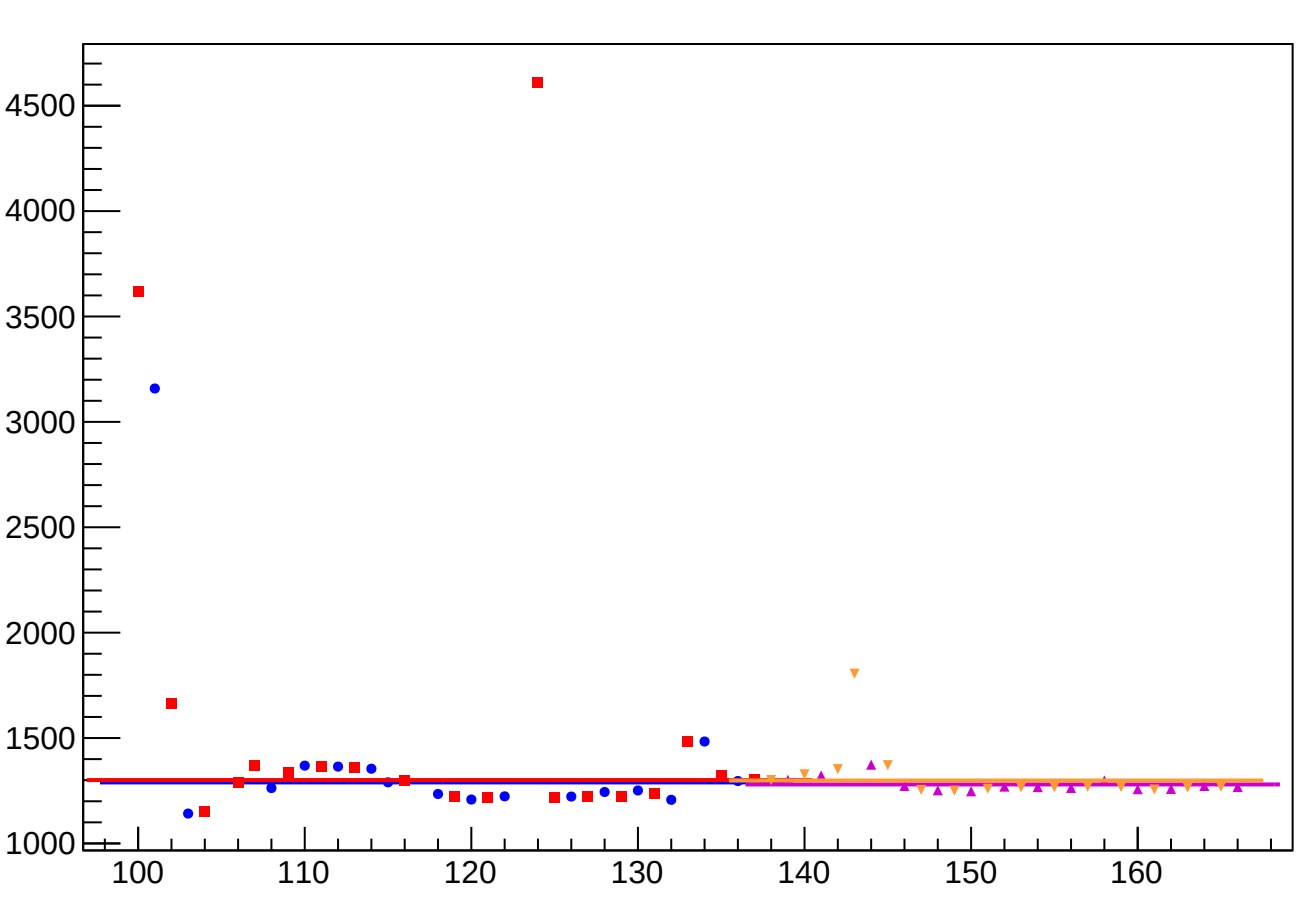
Left: 107.408+/-267.110 χ^2/NDF: 50.8/28

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -58.076+/-211.283 χ^2/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

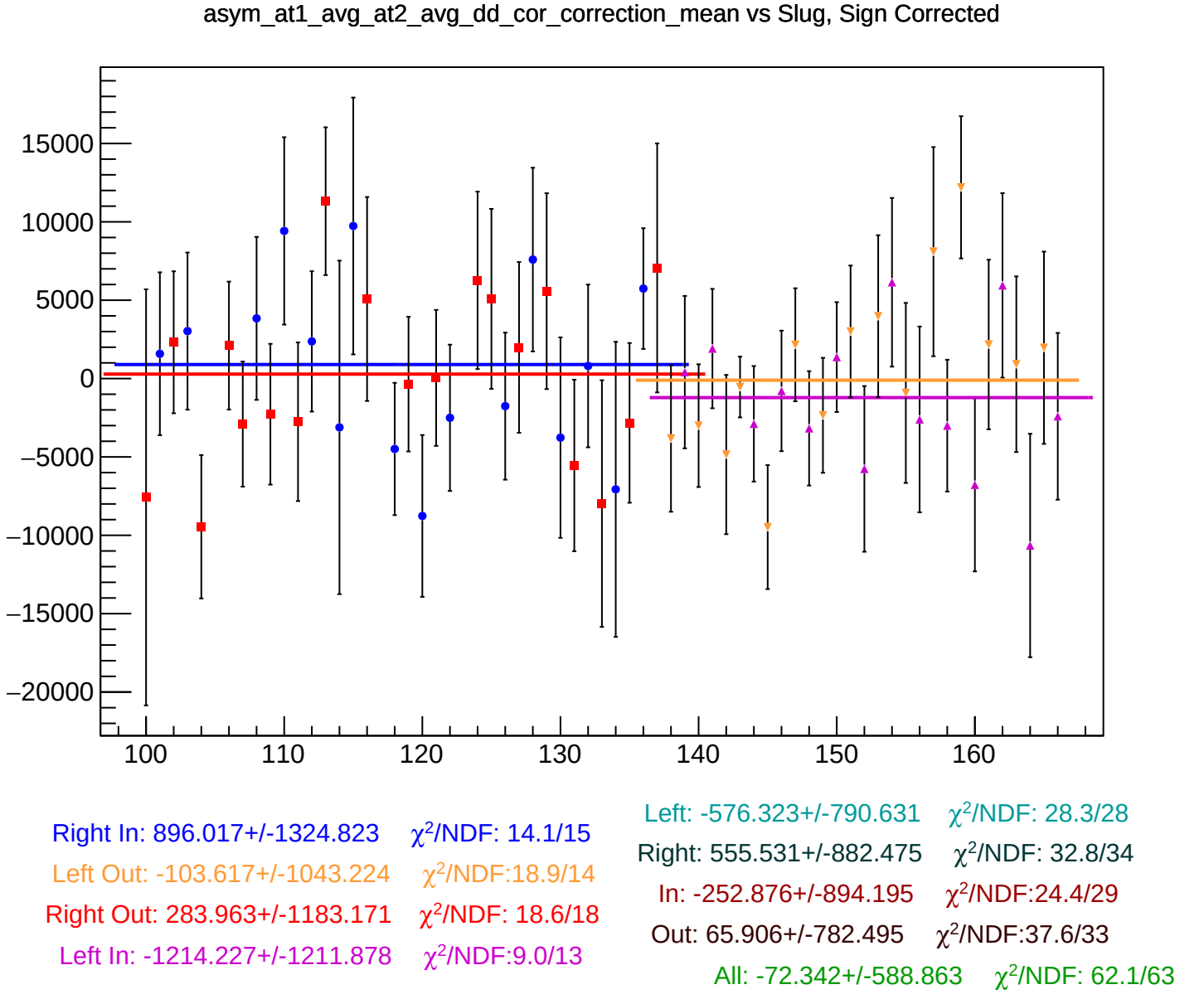
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

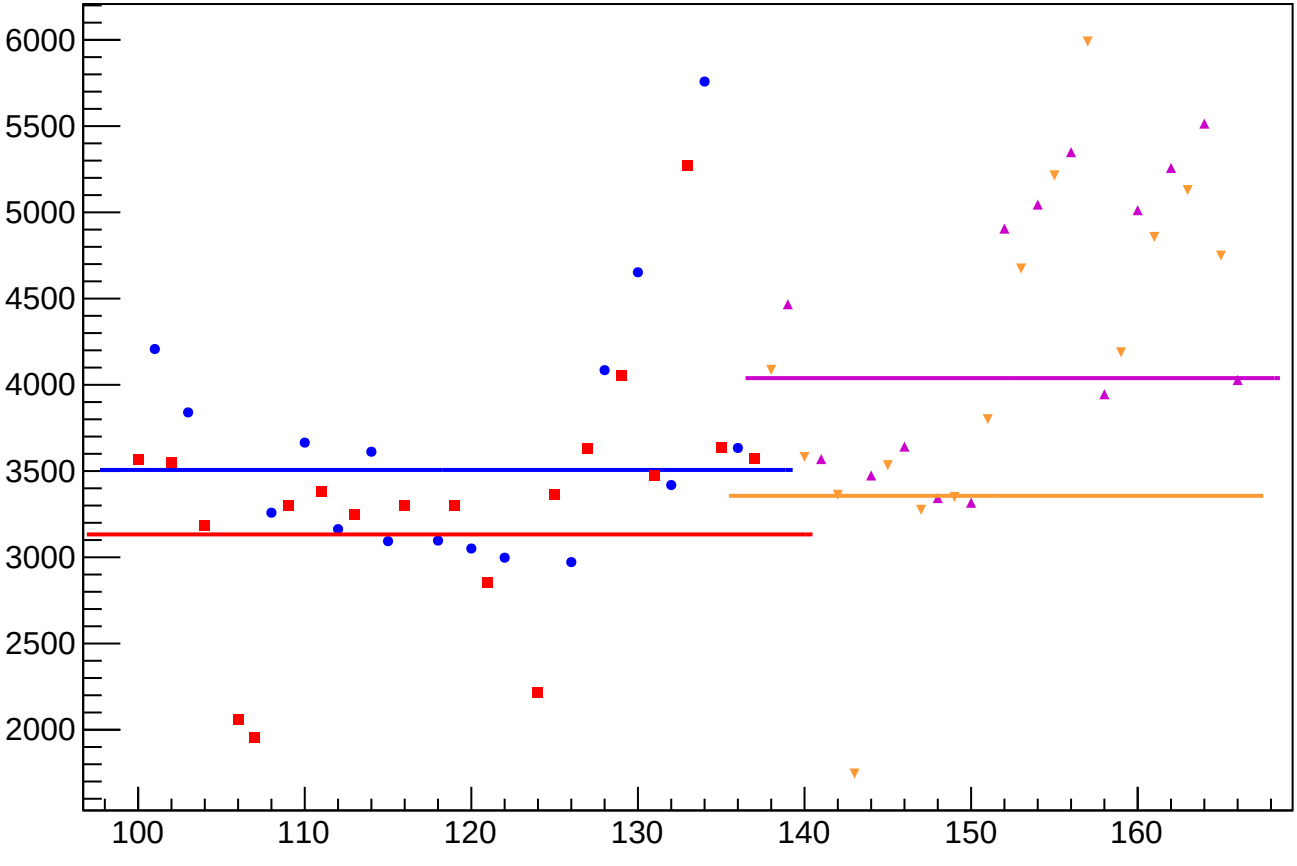
In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -576.323+/-790.631 χ²/NDF: 28.3/28
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -72.342+/-588.863 χ²/NDF: 62.1/63

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

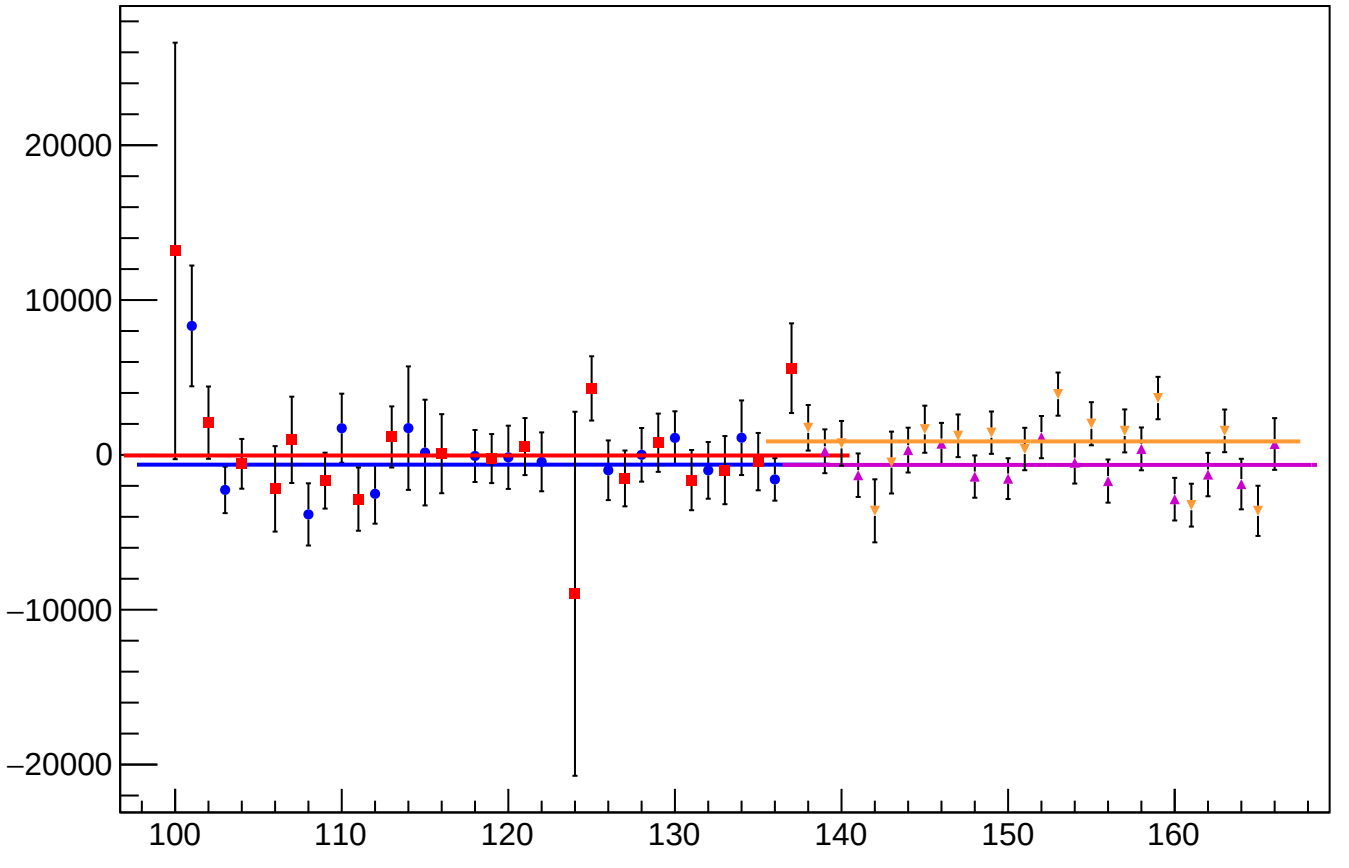
Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

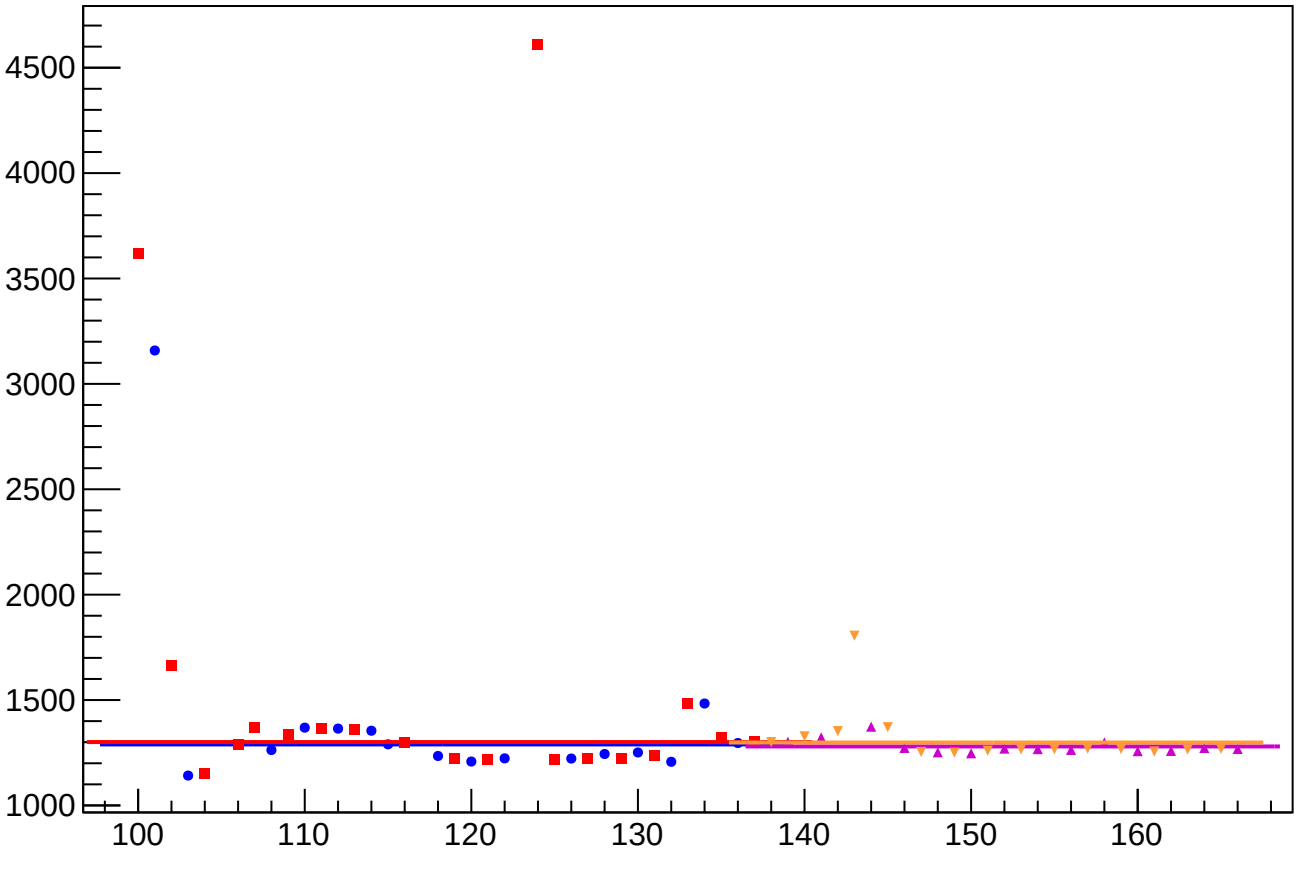
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 871.086+/-378.768 χ²/NDF:33.0/14
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -648.119+/-376.741 χ²/NDF:9.7/13
Left: 107.408+/-267.110 χ²/NDF: 50.8/28
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -641.896+/-298.364 χ²/NDF:23.6/29
Out: 529.156+/-299.235 χ²/NDF:51.5/33
All: -58.076+/-211.283 χ²/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

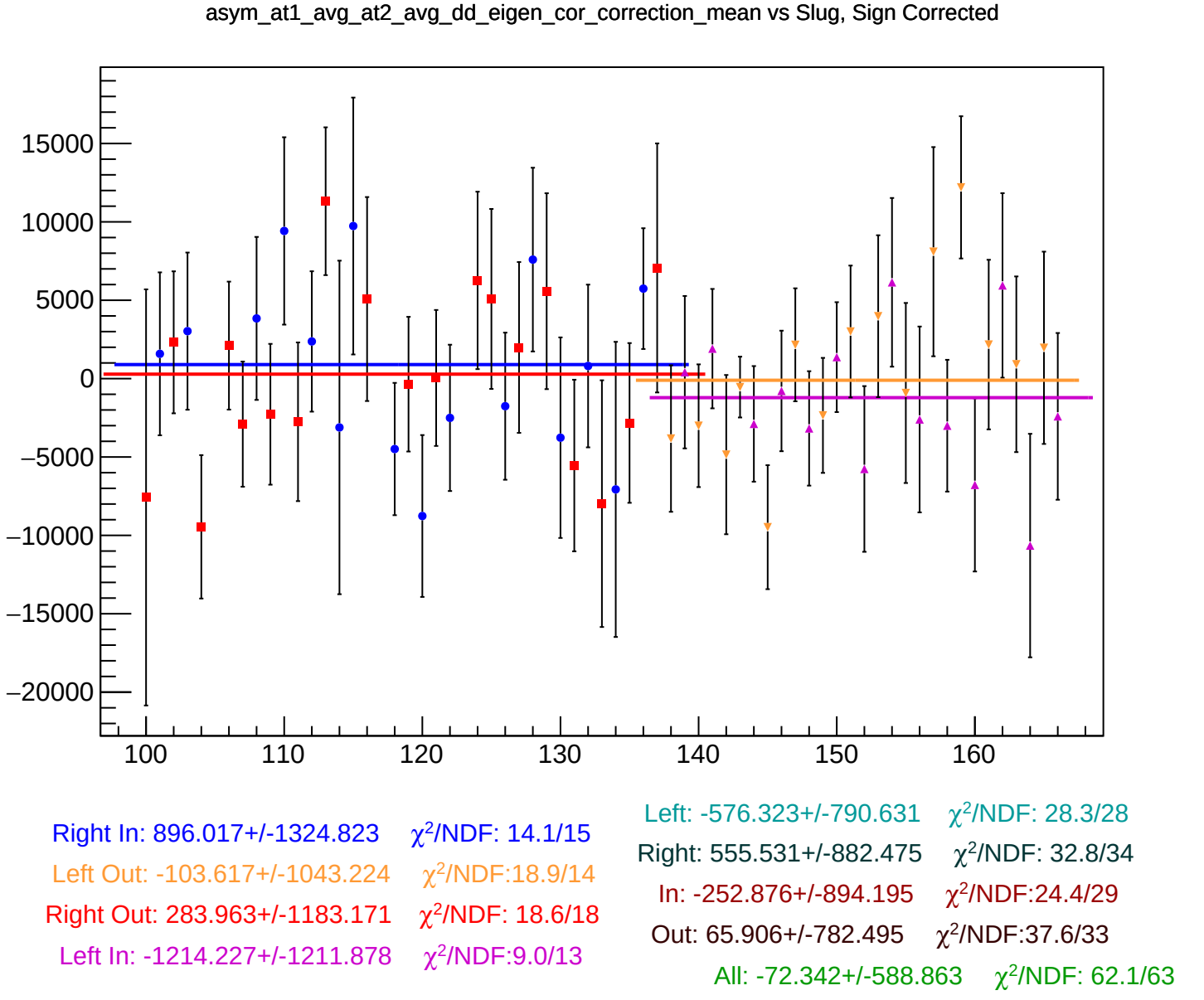
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

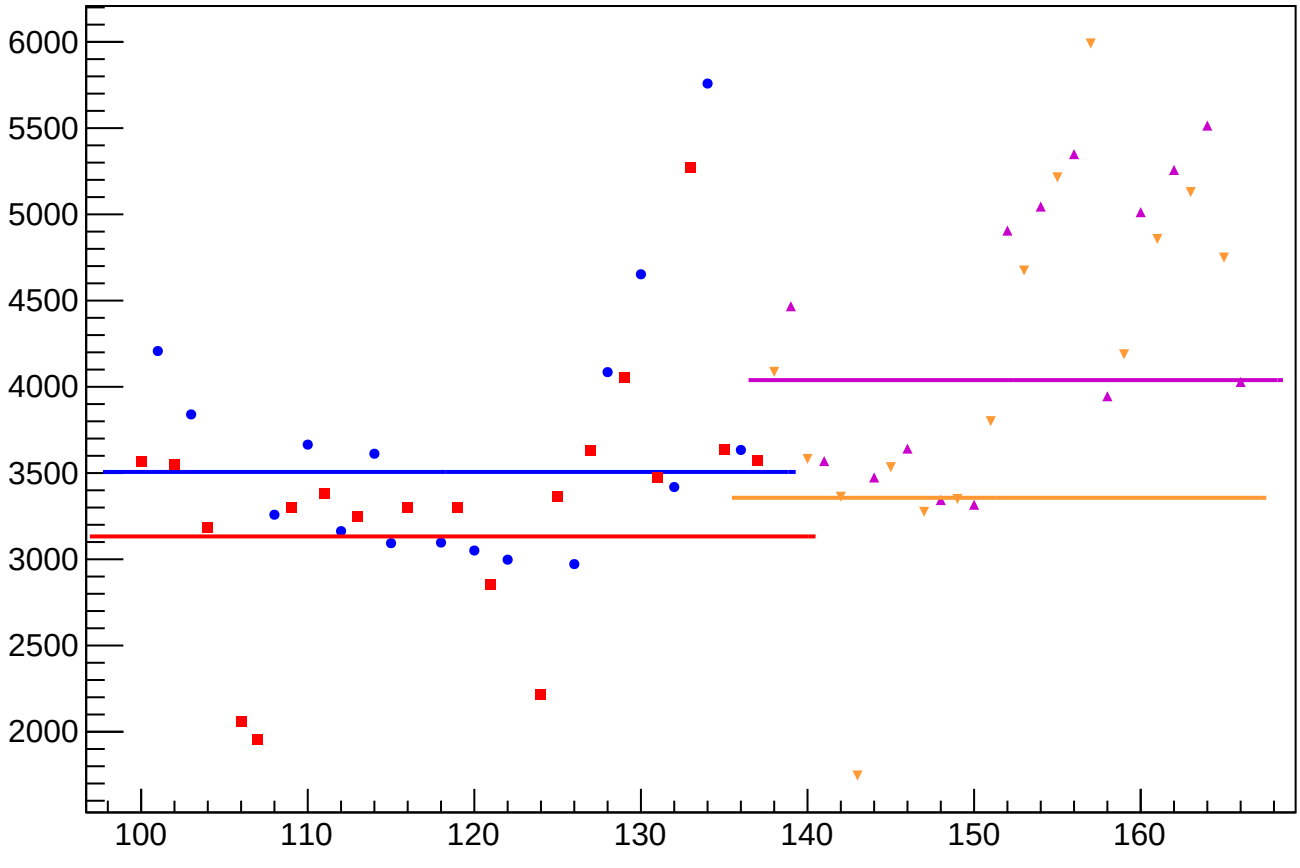
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -576.323+/-790.631 χ²/NDF: 28.3/28
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -72.342+/-588.863 χ²/NDF: 62.1/63



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

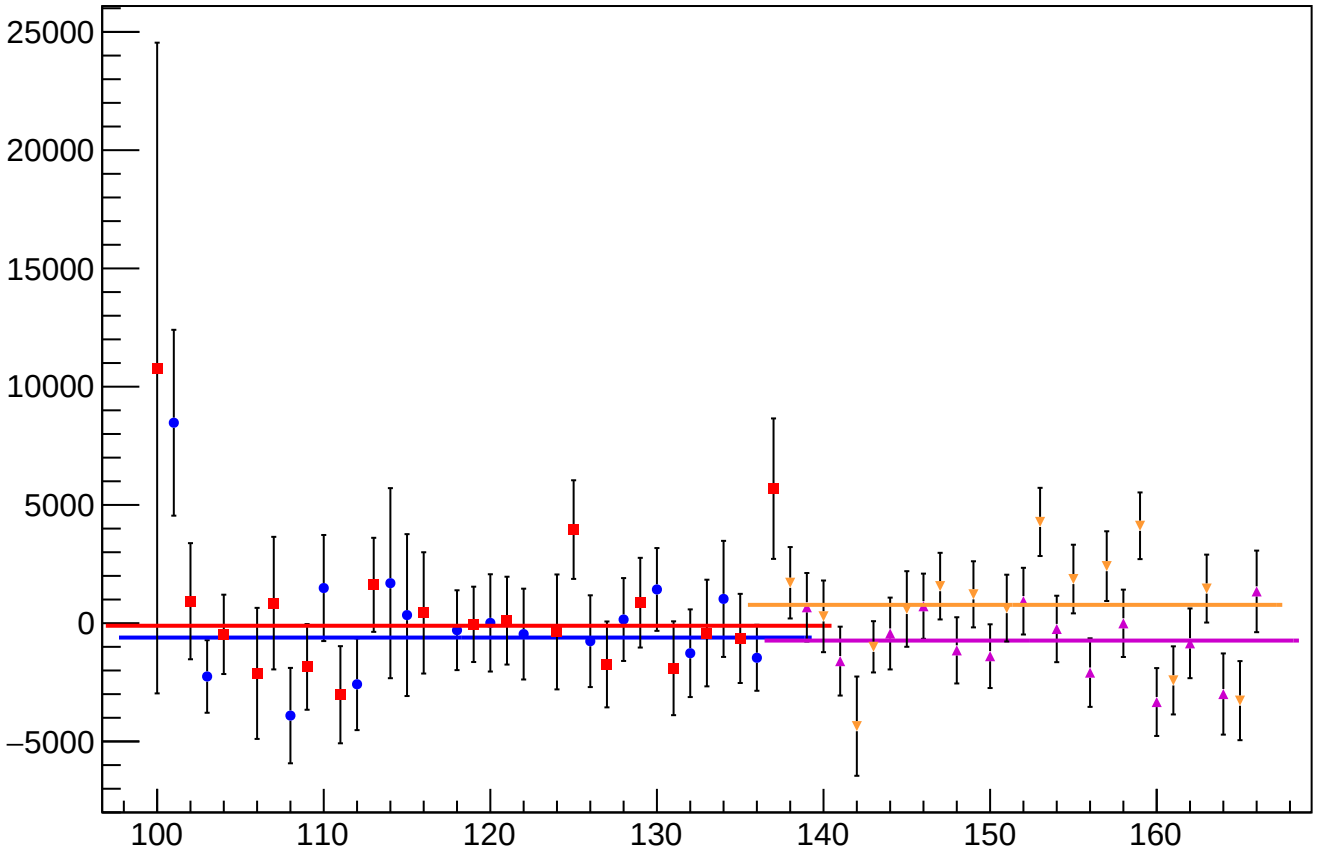
Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

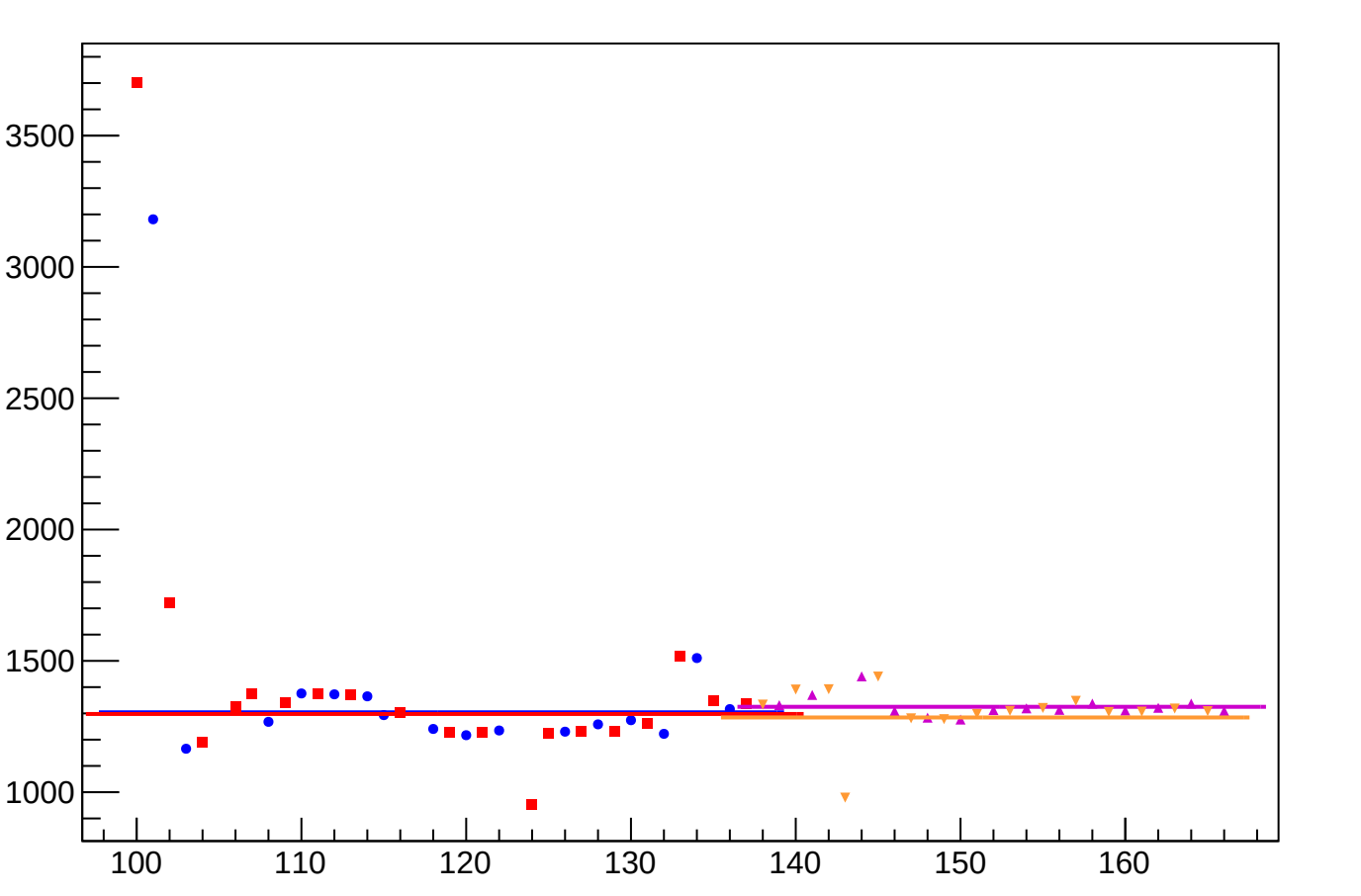
Left: 49.511+/-270.412 χ^2/NDF: 53.6/28

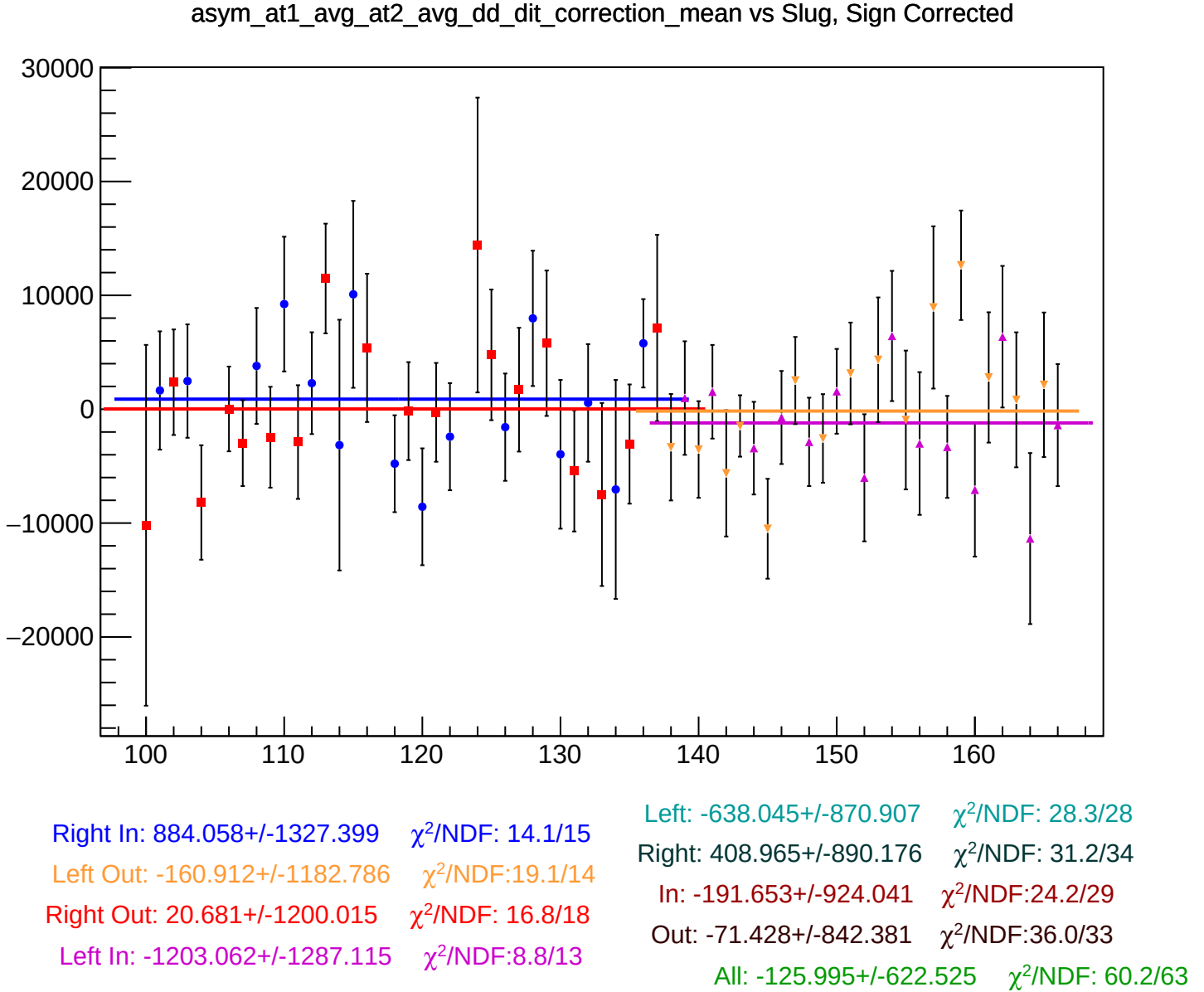
Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

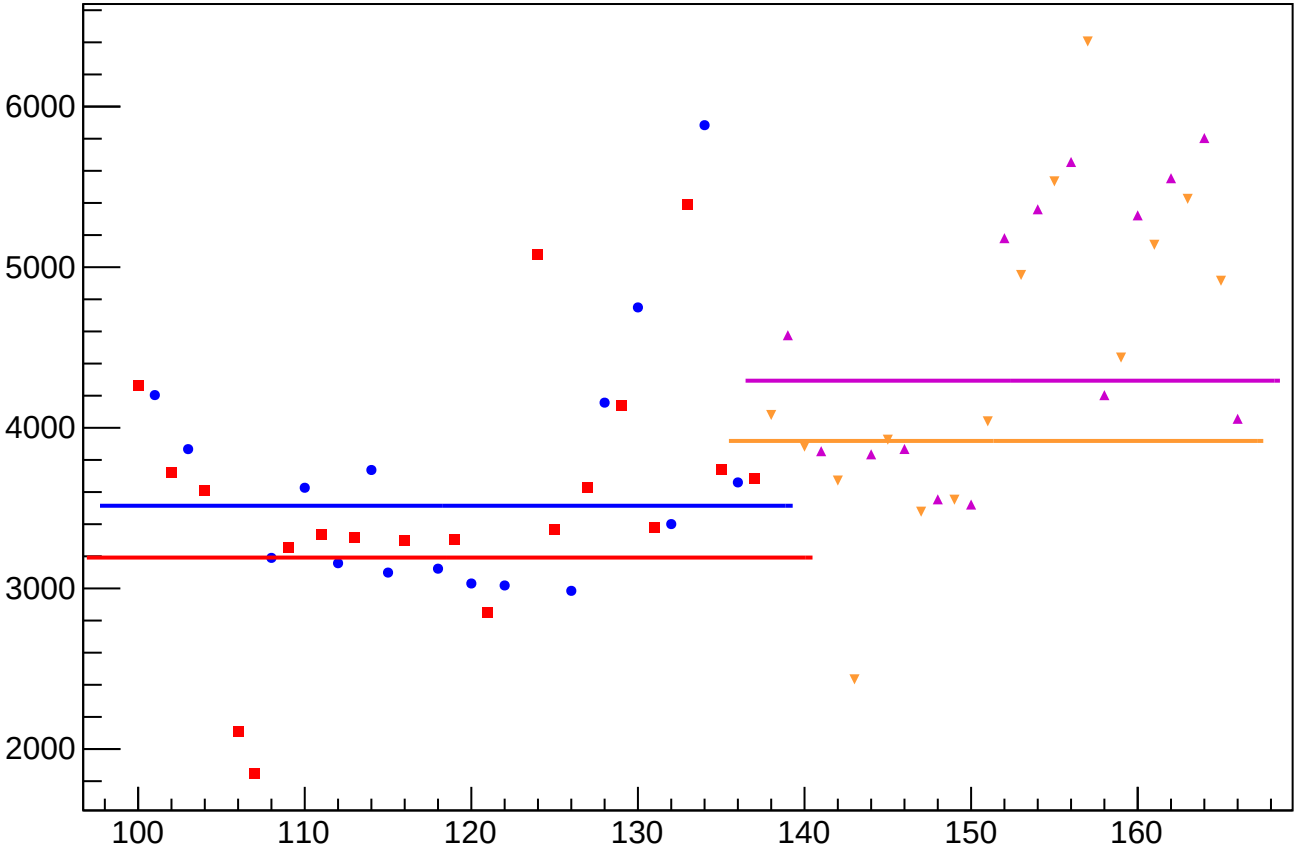
Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.142 χ^2/NDF: 84.0/63


dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1304.102+/-0.349 χ²/NDF: 510589.4/15
Left Out: 1284.504+/-0.265 χ²/NDF:203047.1/14
Right Out: 1297.796+/-0.343 χ²/NDF: 213096.9/18
Left In: 1325.084+/-0.276 χ²/NDF:19191.5/13
Left: 1303.999+/-0.191 χ²/NDF: 233481.6/28
Right: 1300.891+/-0.245 χ²/NDF: 723852.1/34
In: 1317.028+/-0.217 χ²/NDF:532001.9/29
Out: 1289.477+/-0.210 χ²/NDF:417083.4/33
All: 1302.821+/-0.151 χ²/NDF: 957433.8/63


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -160.912+/-1182.786 χ²/NDF:19.1/14
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1203.062+/-1287.115 χ²/NDF:8.8/13
Left: -638.045+/-870.907 χ²/NDF: 28.3/28
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -71.428+/-842.381 χ²/NDF:36.0/33
All: -125.995+/-622.525 χ²/NDF: 60.2/63

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4293.404+/-0.910 χ^2/NDF:678584.3/13

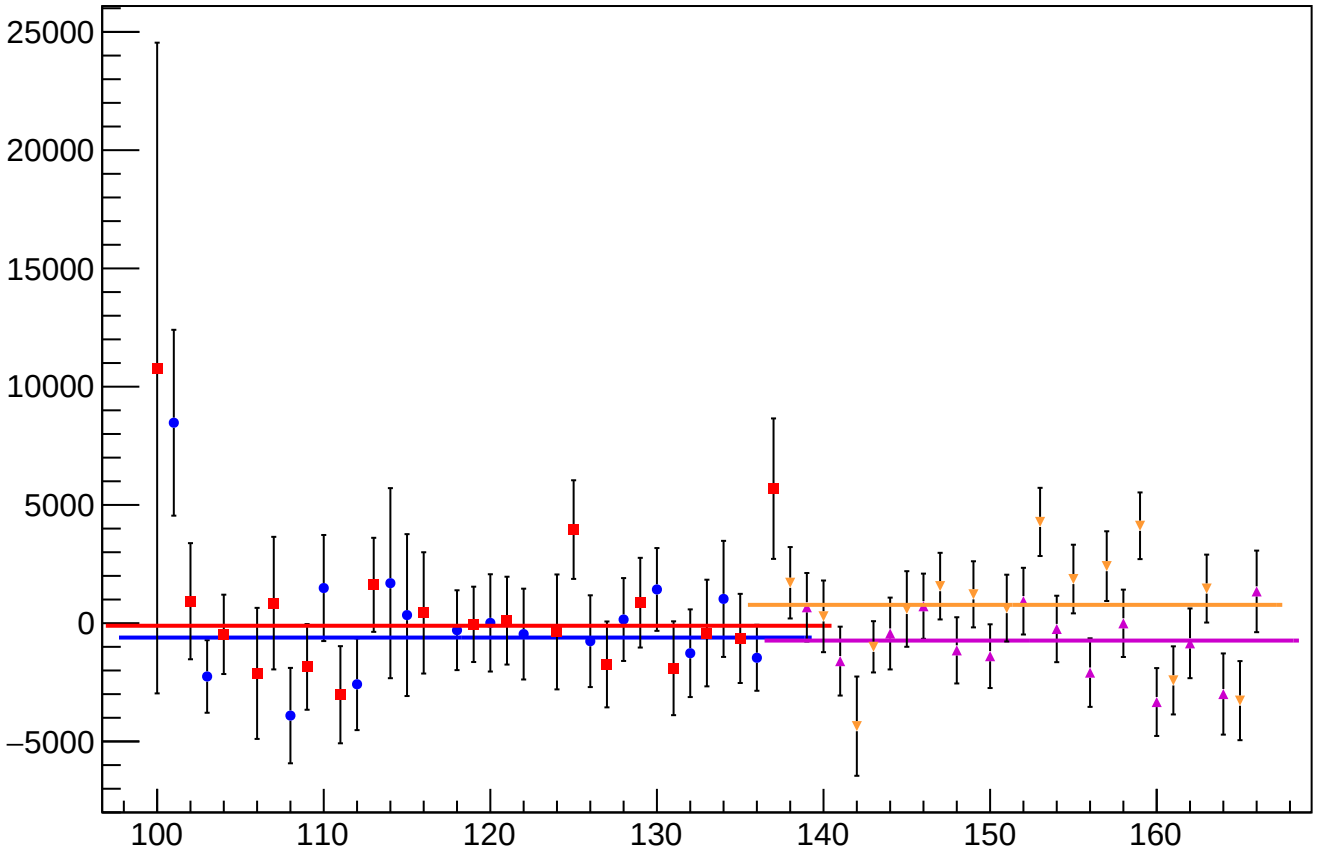
Left: 4090.046+/-0.616 χ^2/NDF: 2177033.8/28

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3916.069+/-0.653 χ^2/NDF:1408369.1/29

Out: 3560.511+/-0.596 χ^2/NDF:2550288.0/33

All: 3721.888+/-0.440 χ^2/NDF: 4120377.5/63



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

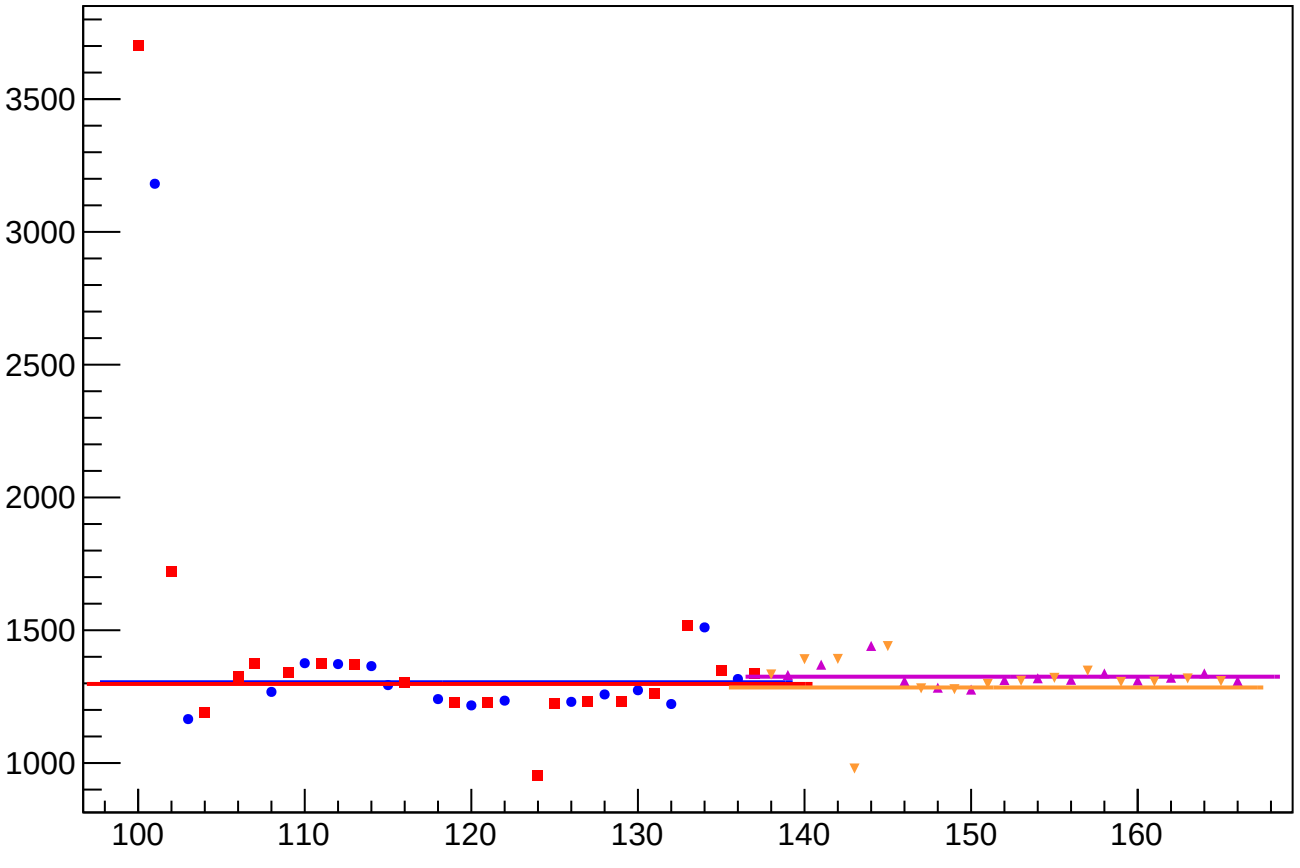
Left: 49.514+/-270.412 χ^2/NDF: 53.6/28

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.143 χ^2/NDF: 84.0/63



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.085+/-0.276 χ^2/NDF:19191.6/13

Left: 1304.000+/-0.191 χ^2/NDF: 233482.4/28

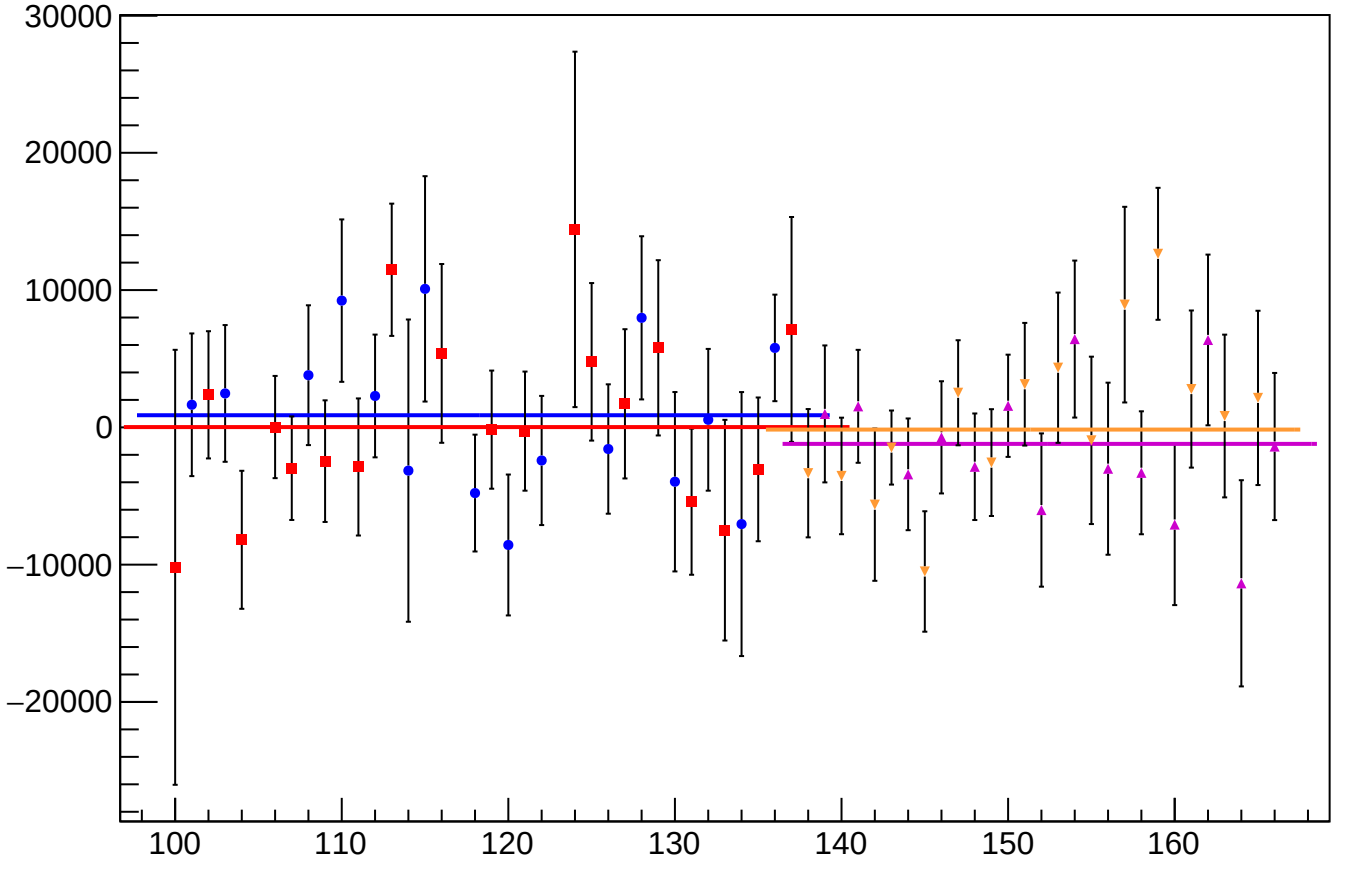
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1317.029+/-0.217 χ^2/NDF:532002.4/29

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.822+/-0.151 χ^2/NDF: 957435.0/63

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1203.061+/-1287.117 χ^2/NDF:8.8/13

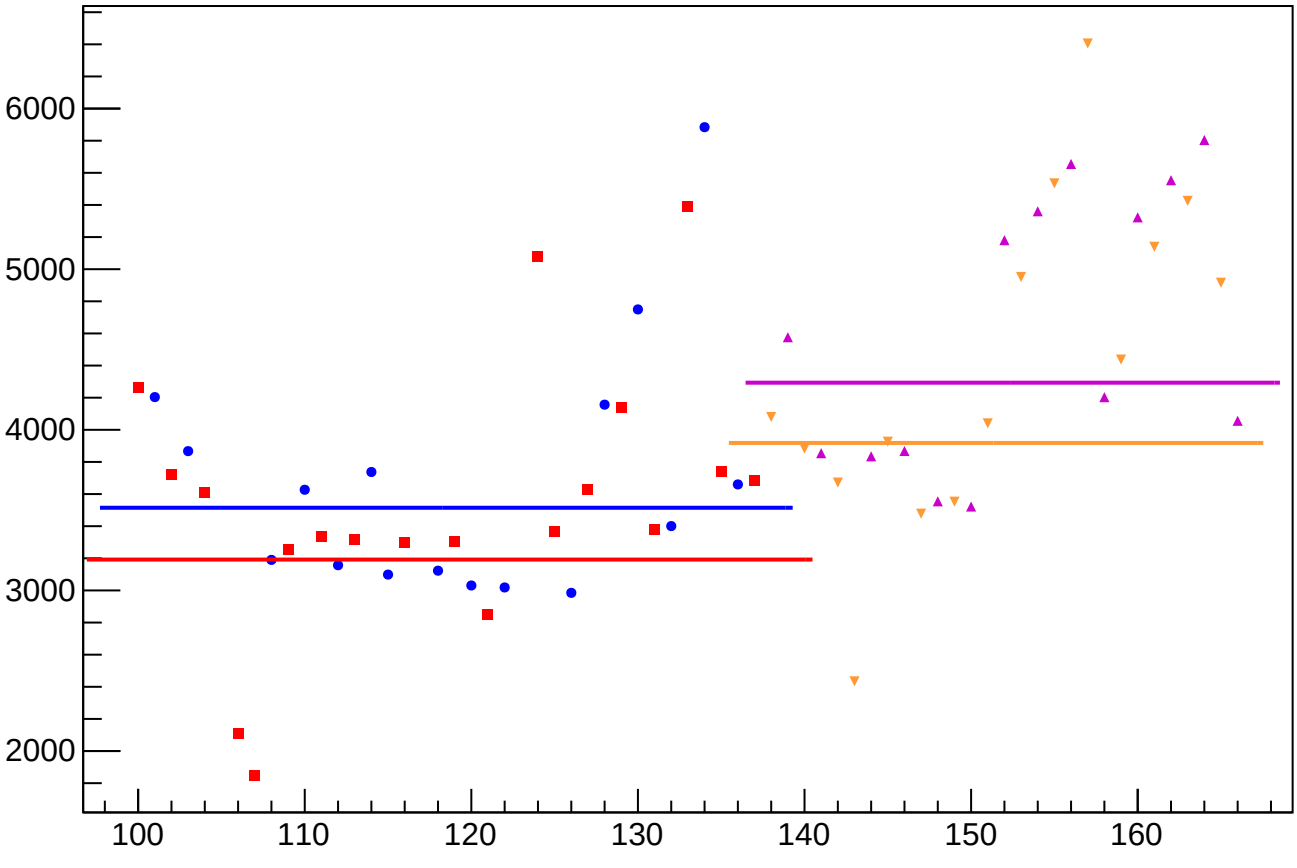
Left: -638.042+/-870.908 χ^2/NDF: 28.3/28

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -191.653+/-924.041 χ^2/NDF:24.2/29

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -125.995+/-622.525 χ^2/NDF: 60.2/63



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4293.410+/-0.910 χ^2/NDF:678585.8/13

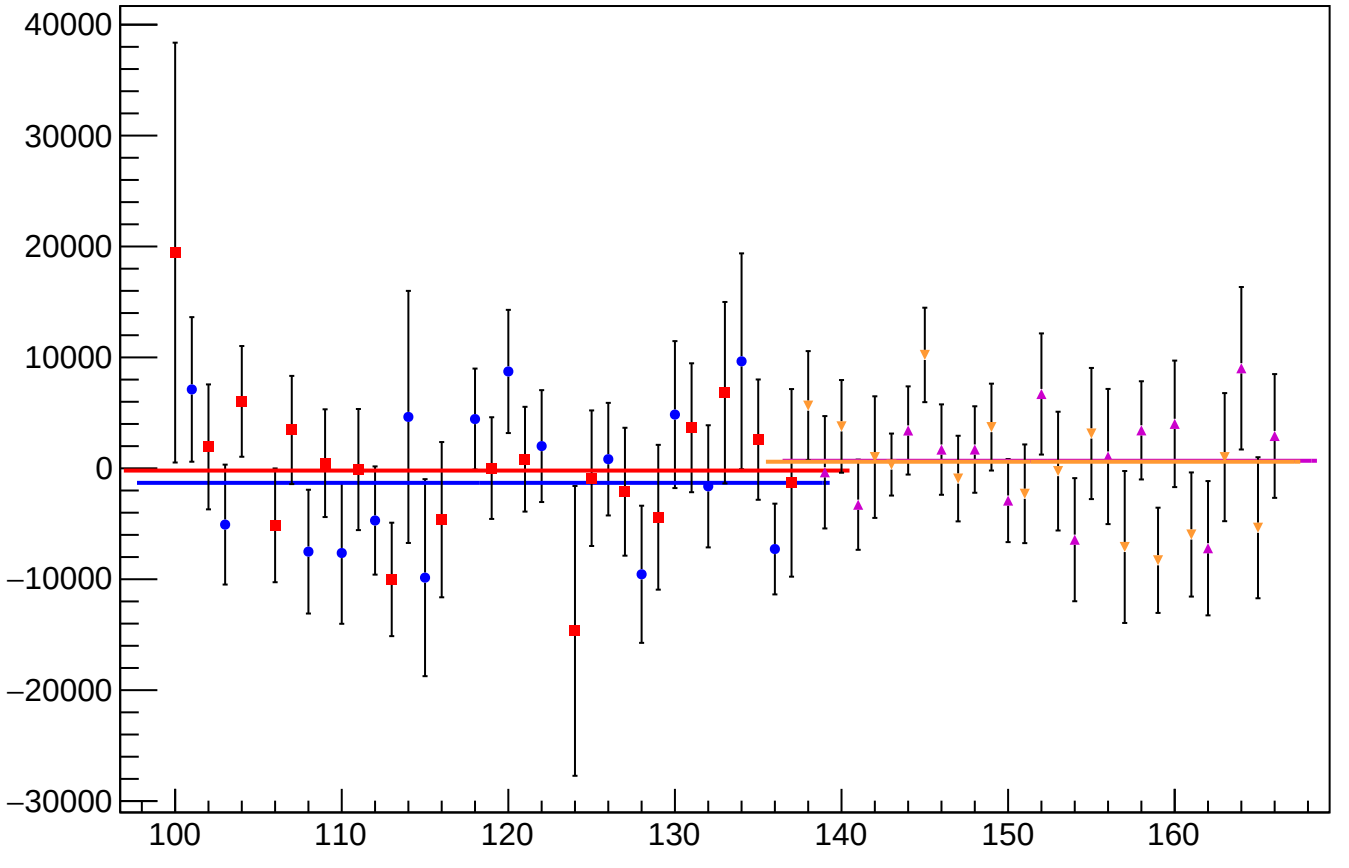
Left: 4090.052+/-0.616 χ^2/NDF: 2177037.0/28

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3916.067+/-0.653 χ^2/NDF:1408389.1/29

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3721.886+/-0.440 χ^2/NDF: 4120415.5/63



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

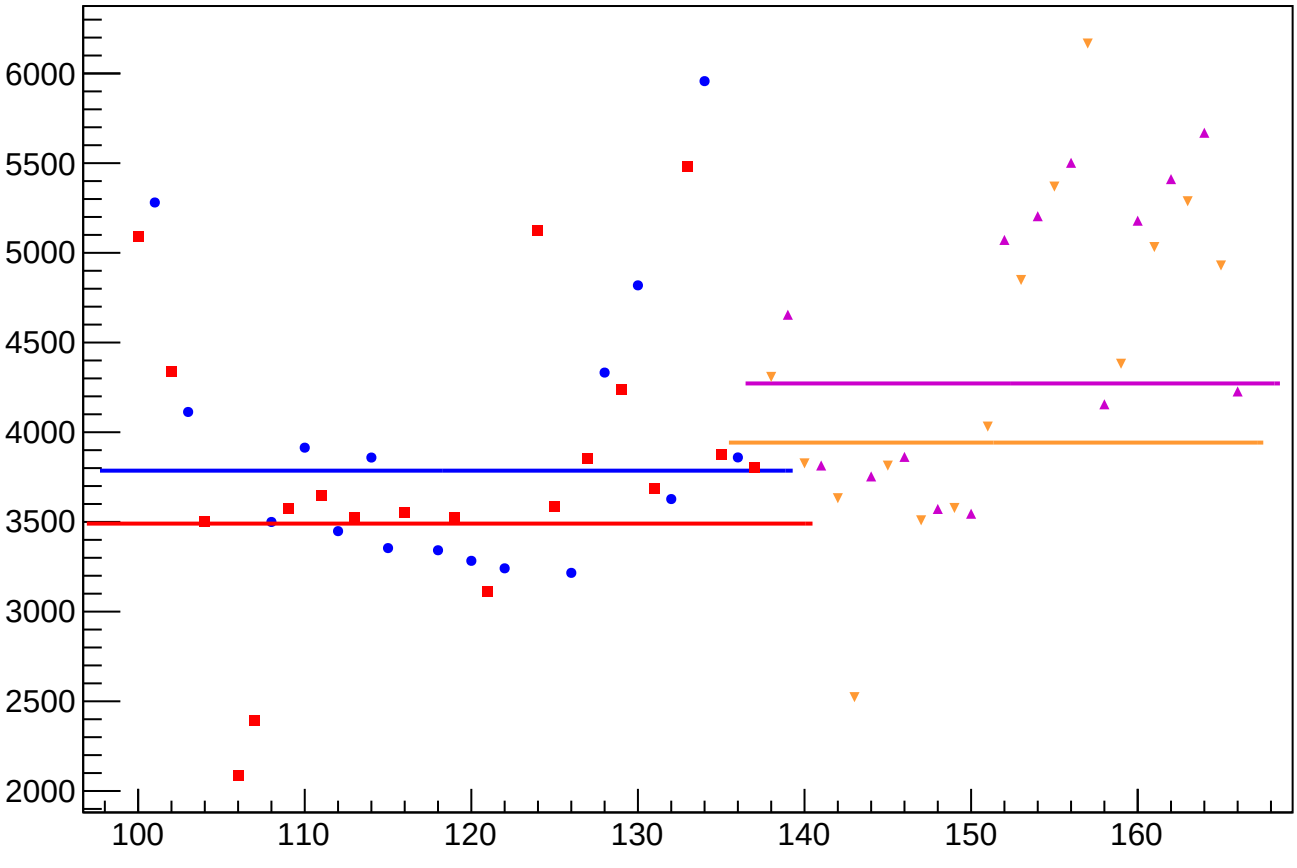
Left: 634.973+/-868.291 χ^2/NDF: 24.5/28

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: 38.087+/-648.954 χ^2/NDF: 55.1/63



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

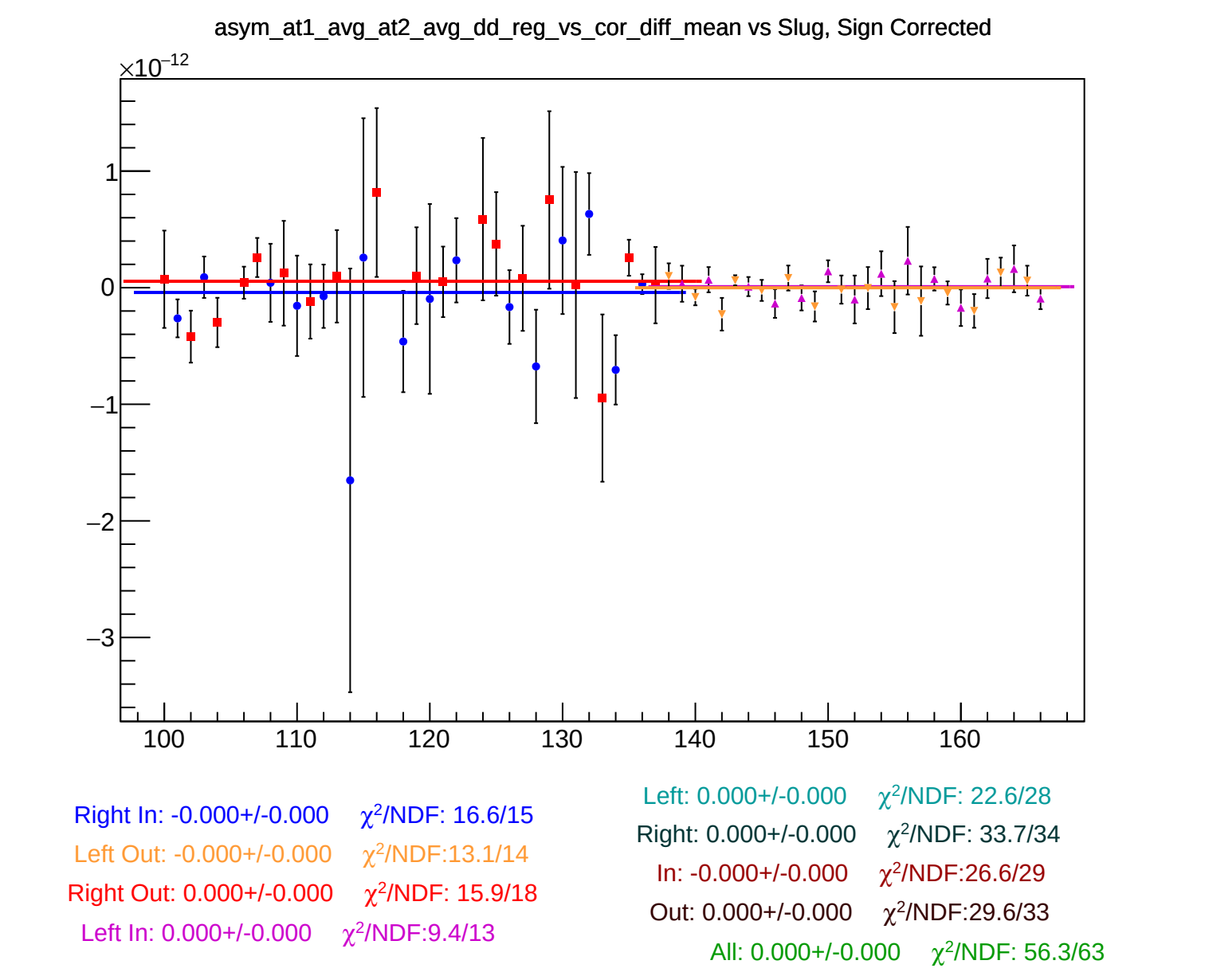
Left: 4094.508+/-0.614 χ^2/NDF: 1892982.7/28

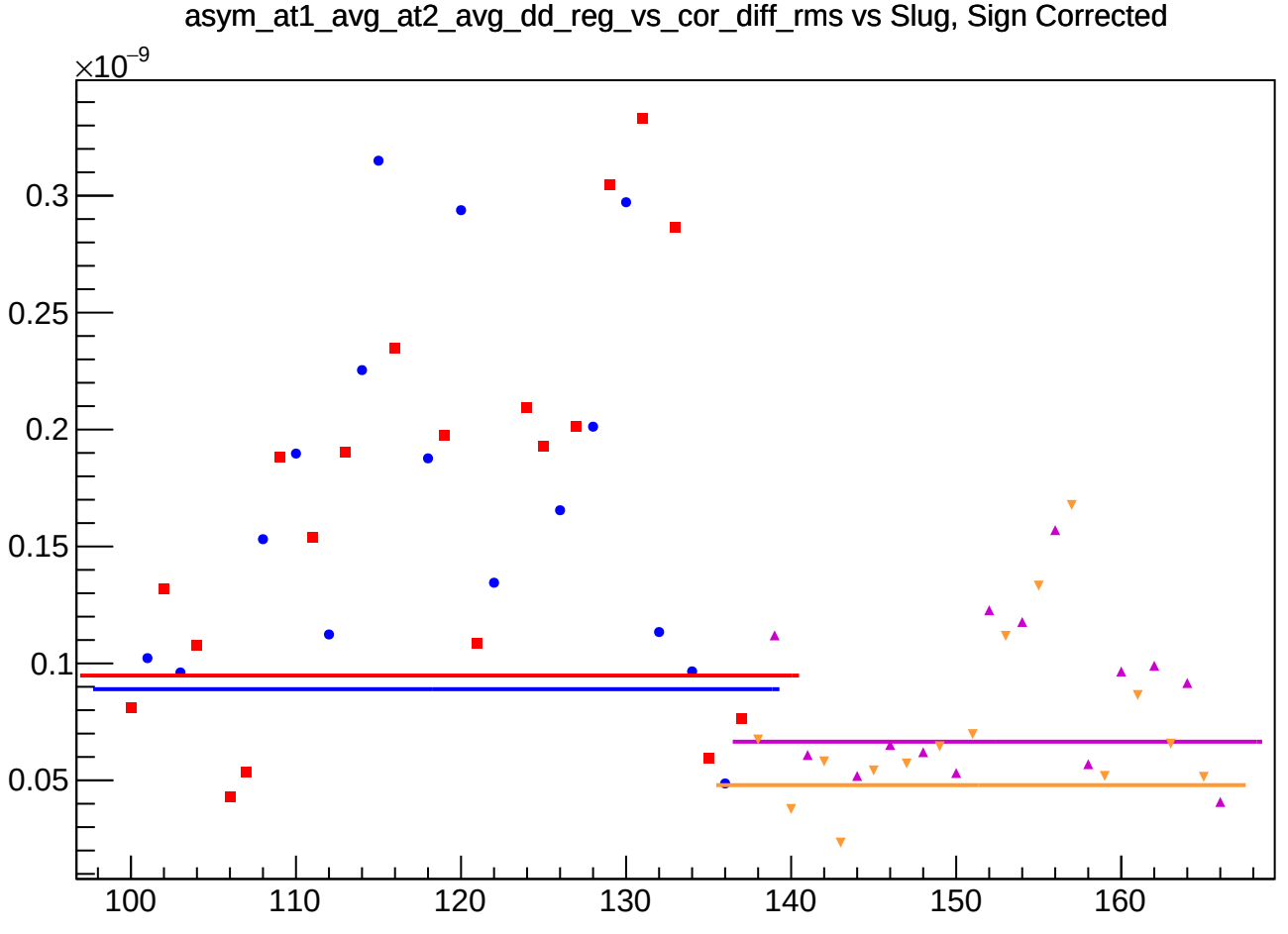
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3885.998+/-0.457 χ^2/NDF: 3167852.7/63


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:13.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/13
Left: 0.000+/-0.000 χ²/NDF: 22.6/28
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:26.6/29
Out: 0.000+/-0.000 χ²/NDF:29.6/33
All: 0.000+/-0.000 χ²/NDF: 56.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1128190.6/13

Left: 0.000+/-0.000 χ^2/NDF: 3440102.0/28

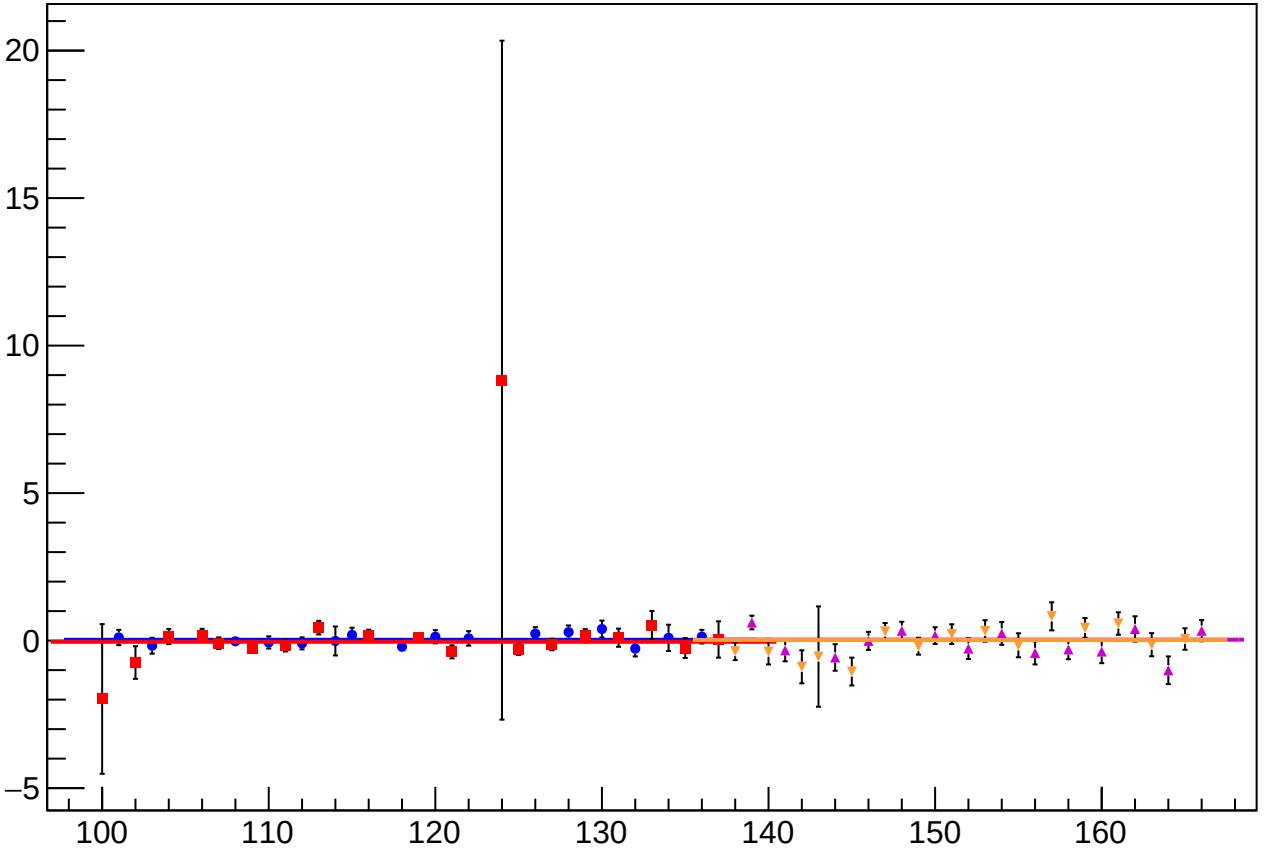
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2809987.2/29

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7819972.9/63

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

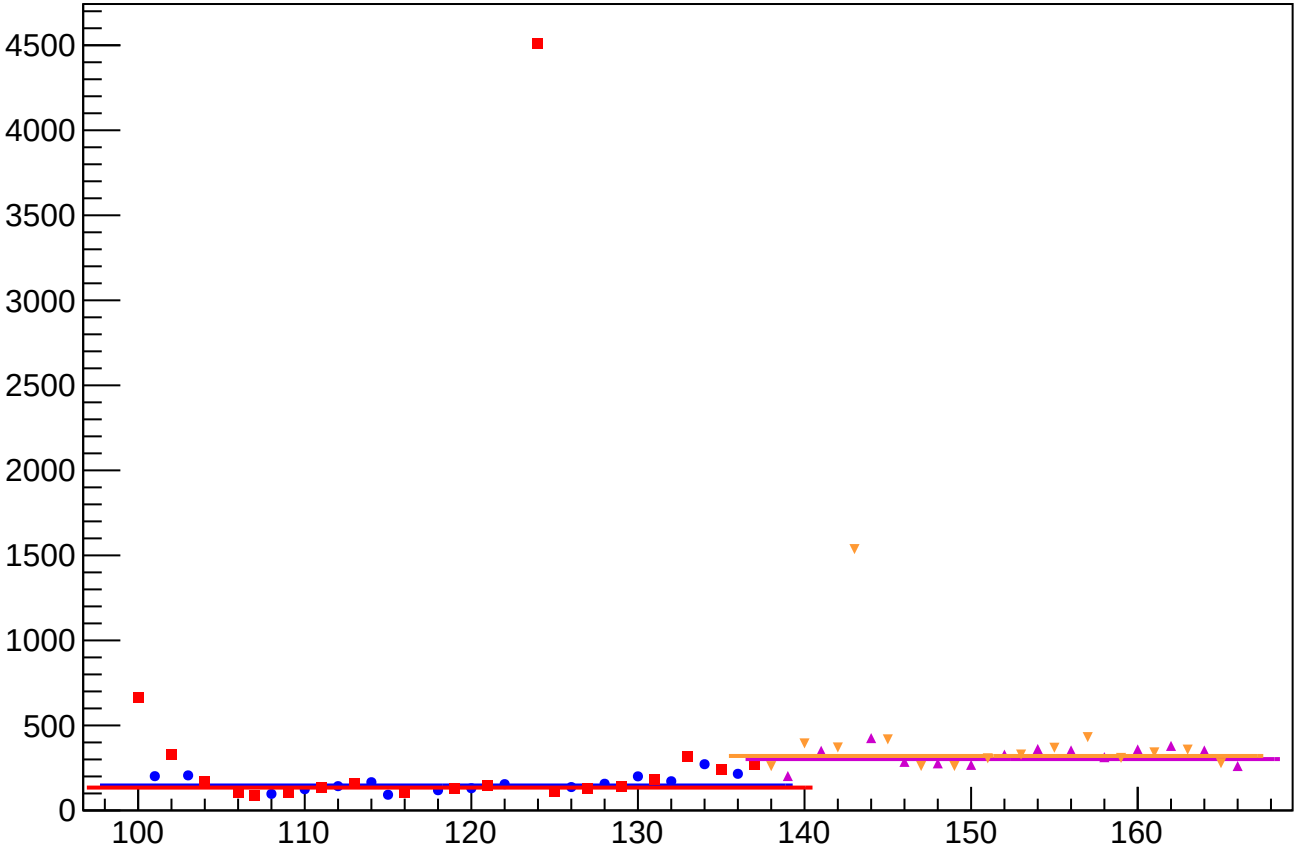
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

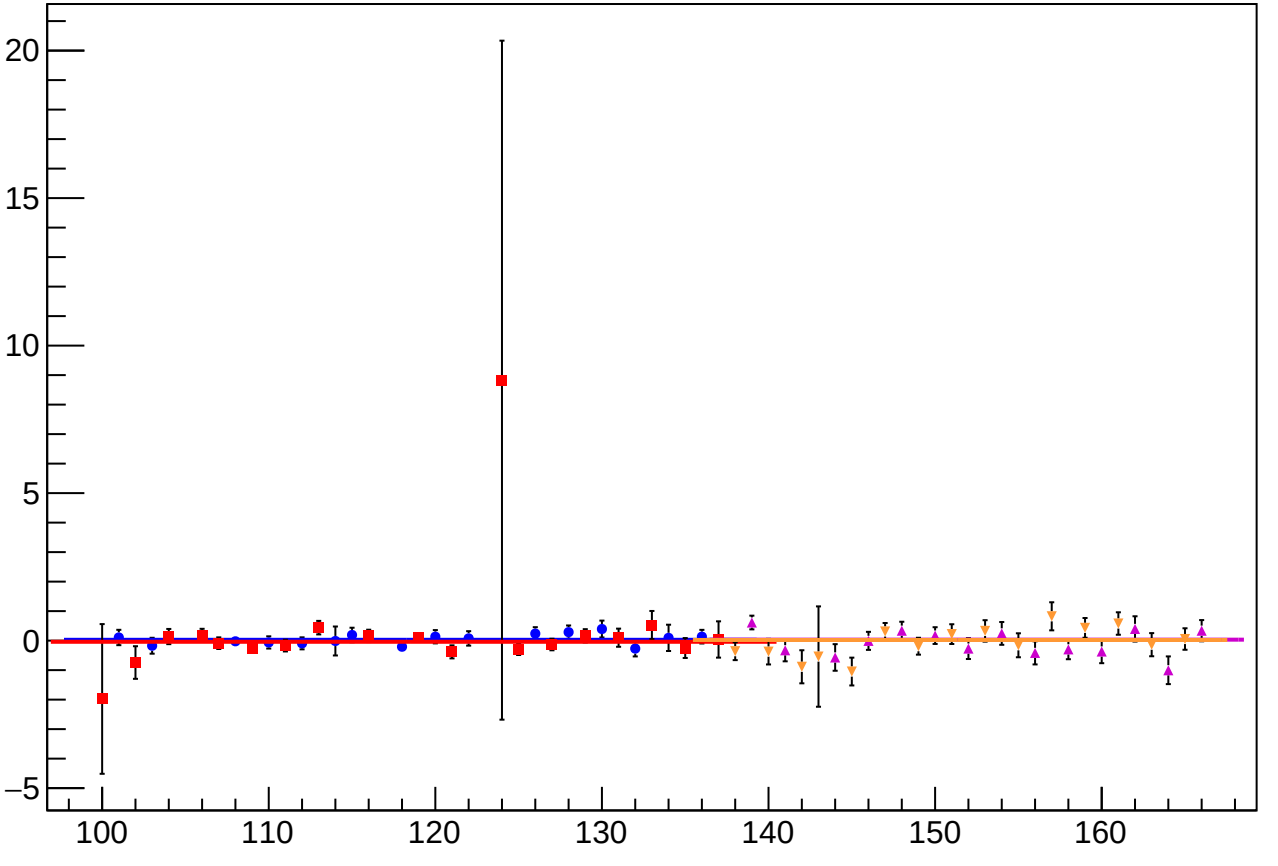
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

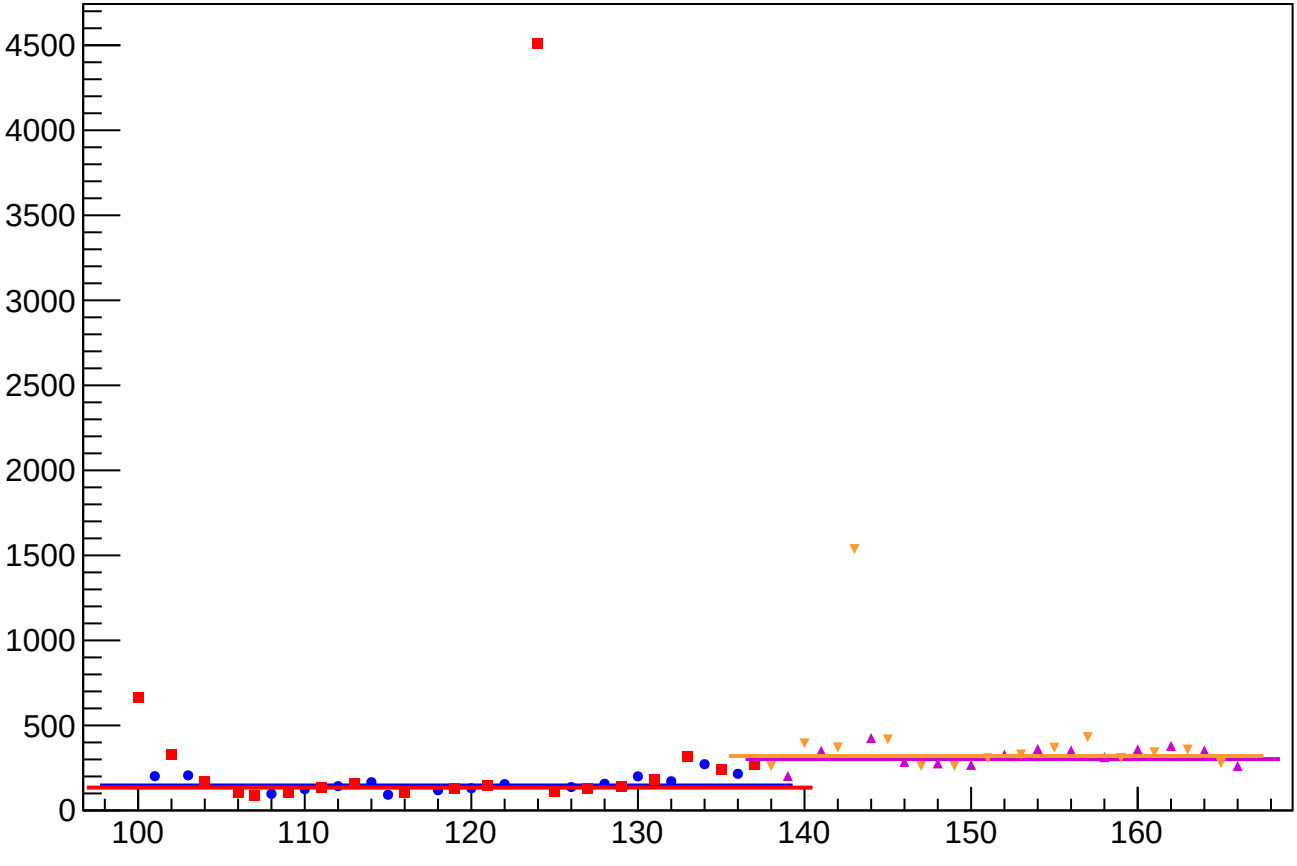
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

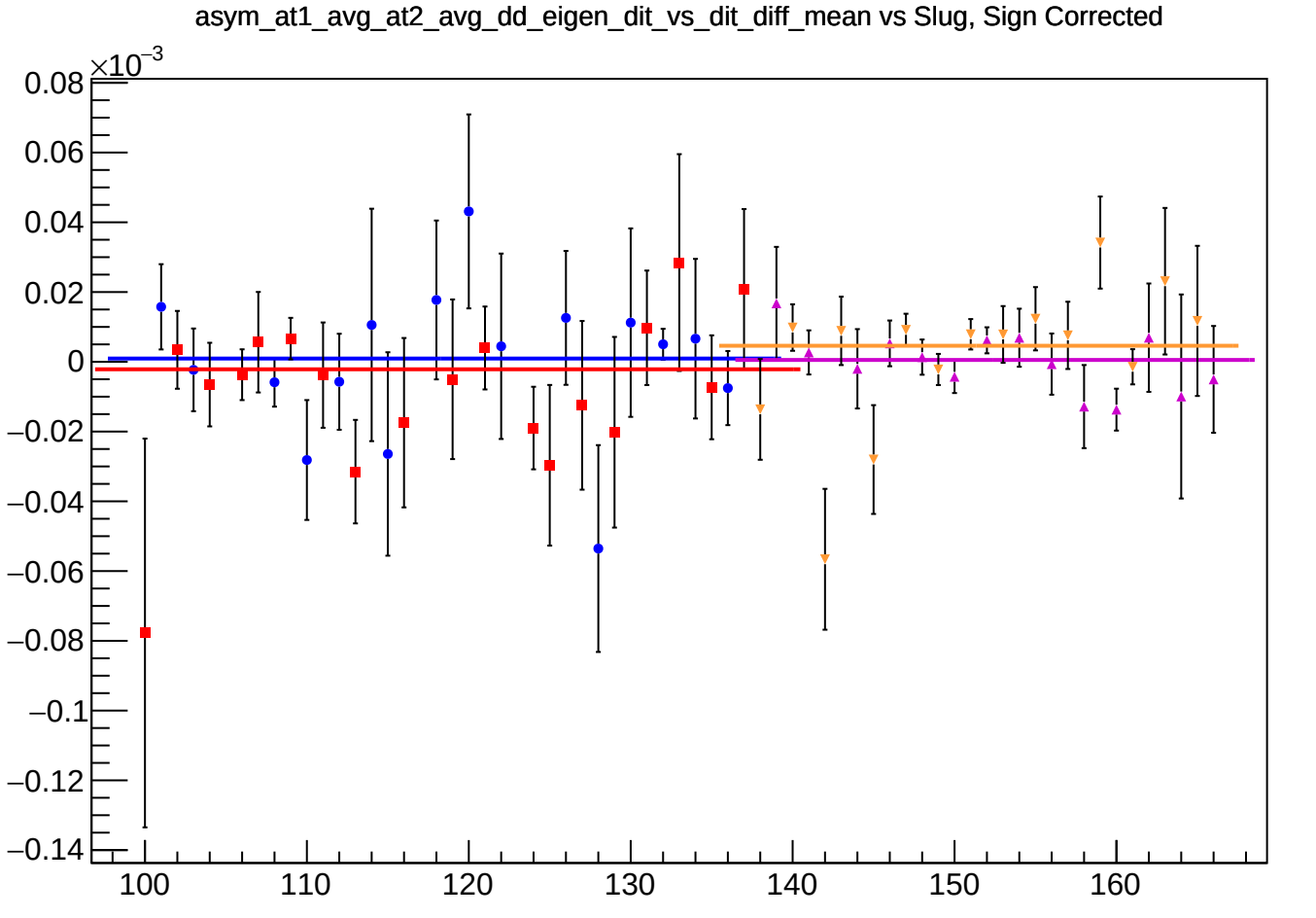
Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

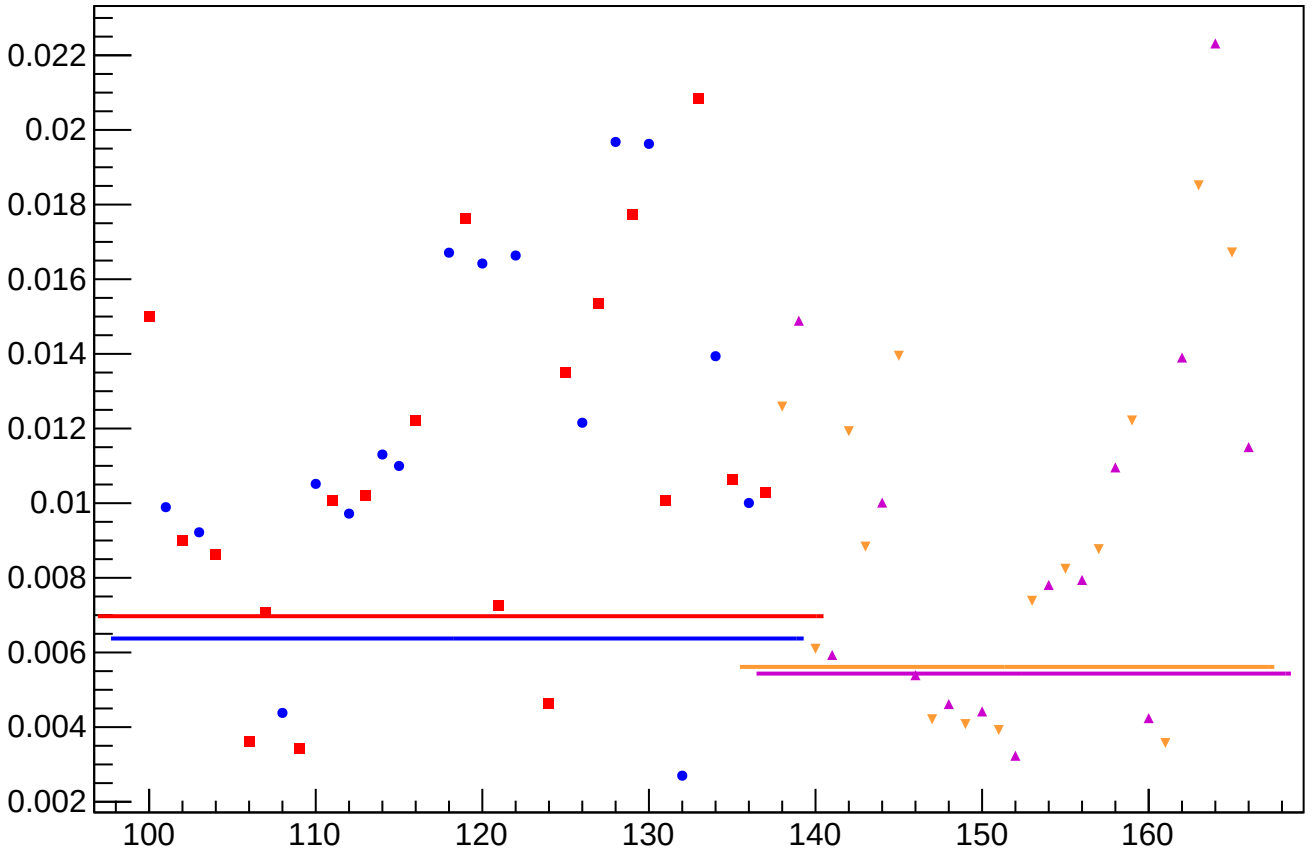
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:13.0/13
Left: 0.000+/-0.000 χ²/NDF: 43.5/28
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.9/29
Out: 0.000+/-0.000 χ²/NDF:47.8/33
All: 0.000+/-0.000 χ²/NDF: 76.5/63



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9046781.6/28

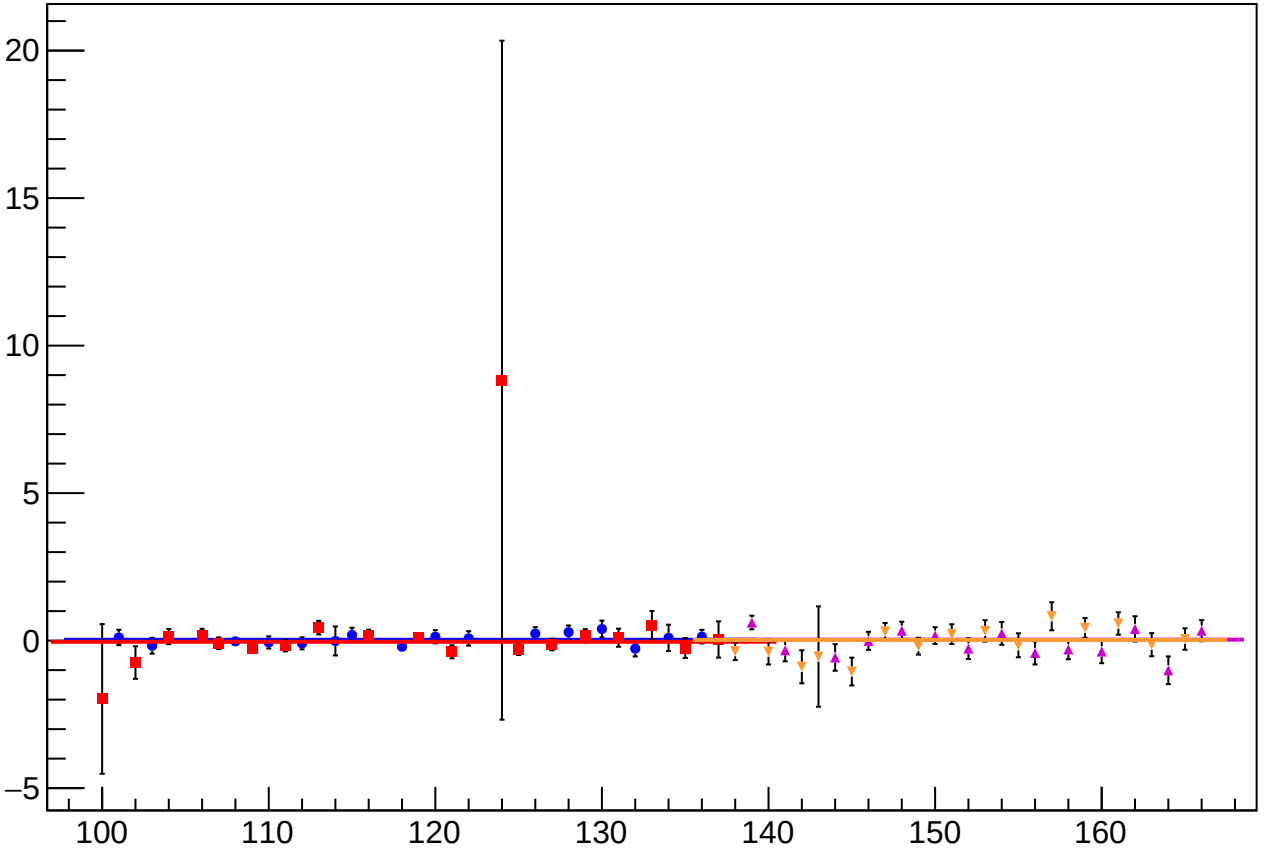
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17559769.8/63

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

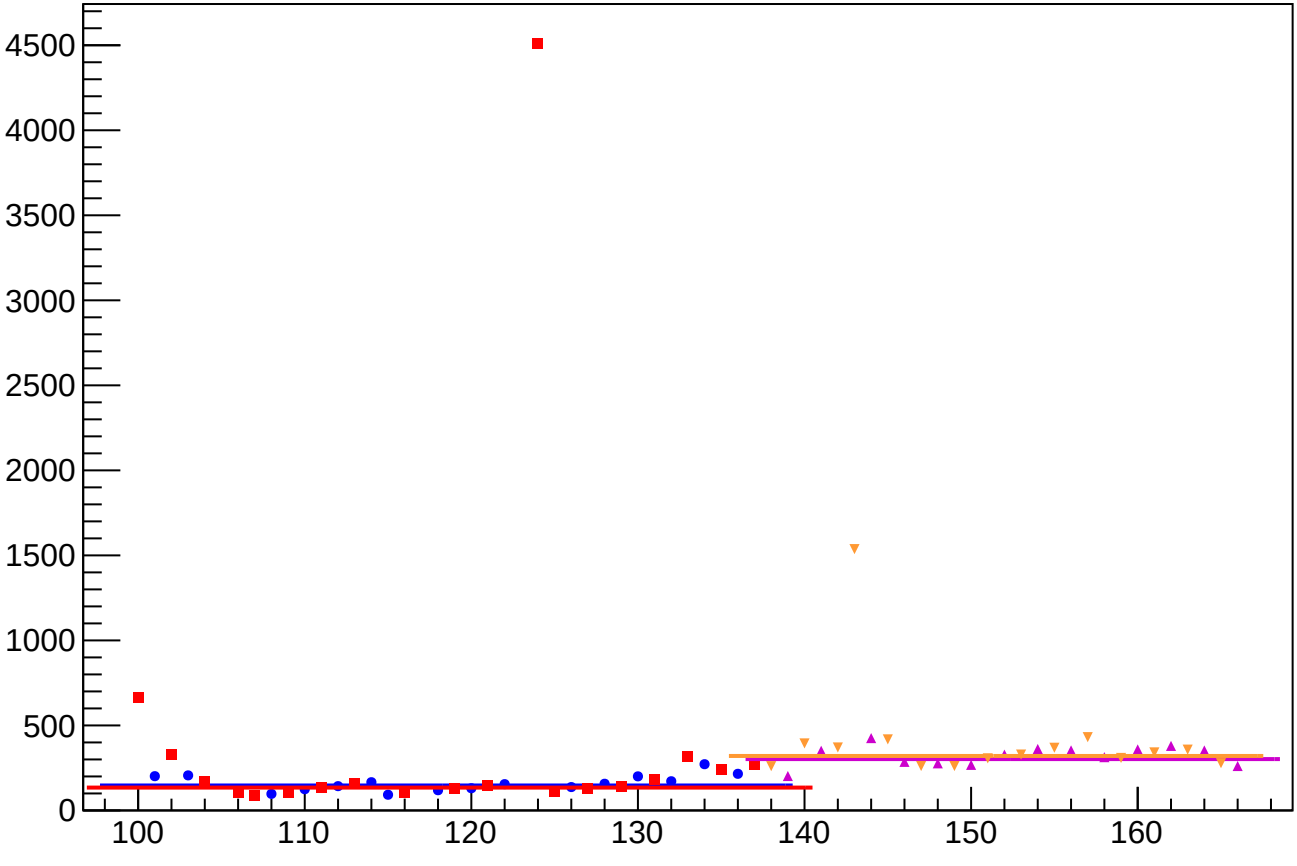
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

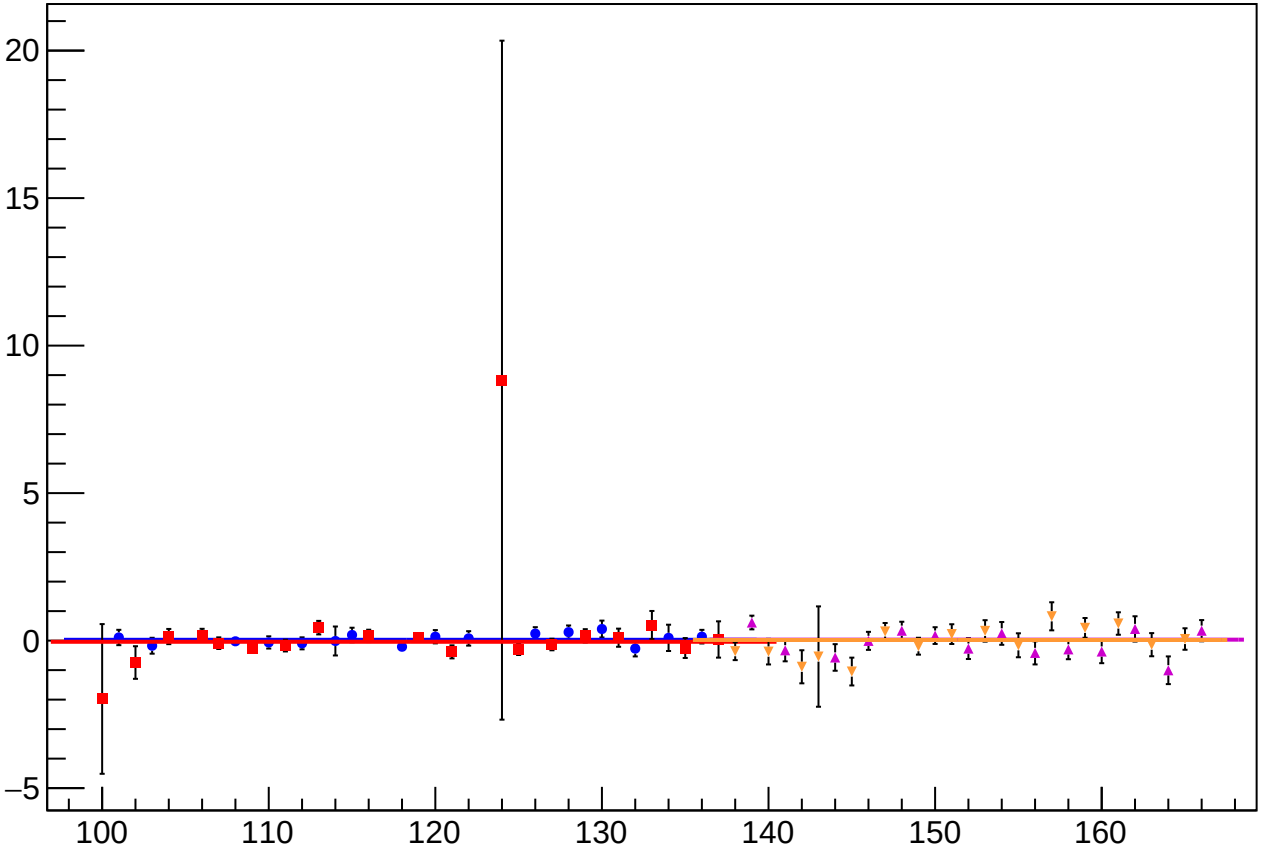
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

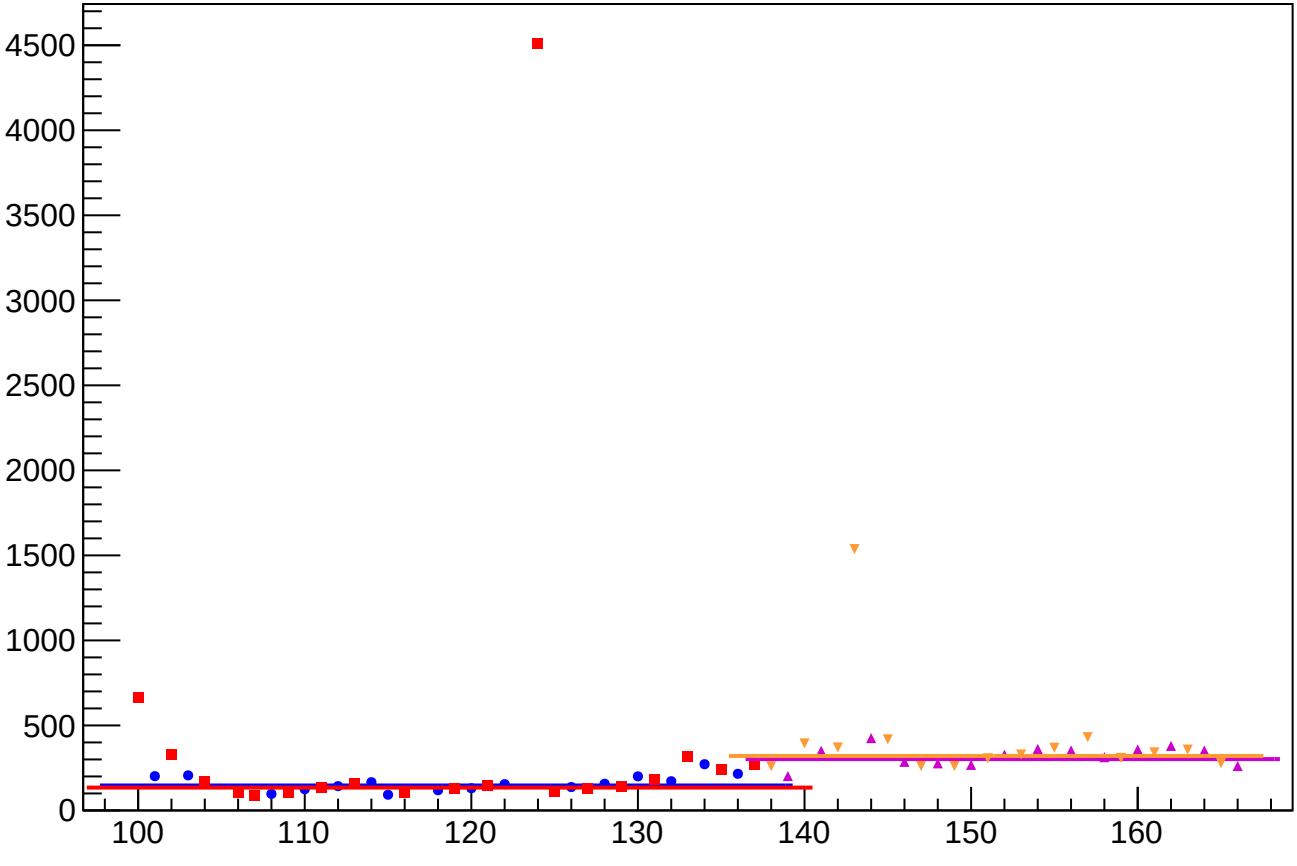
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

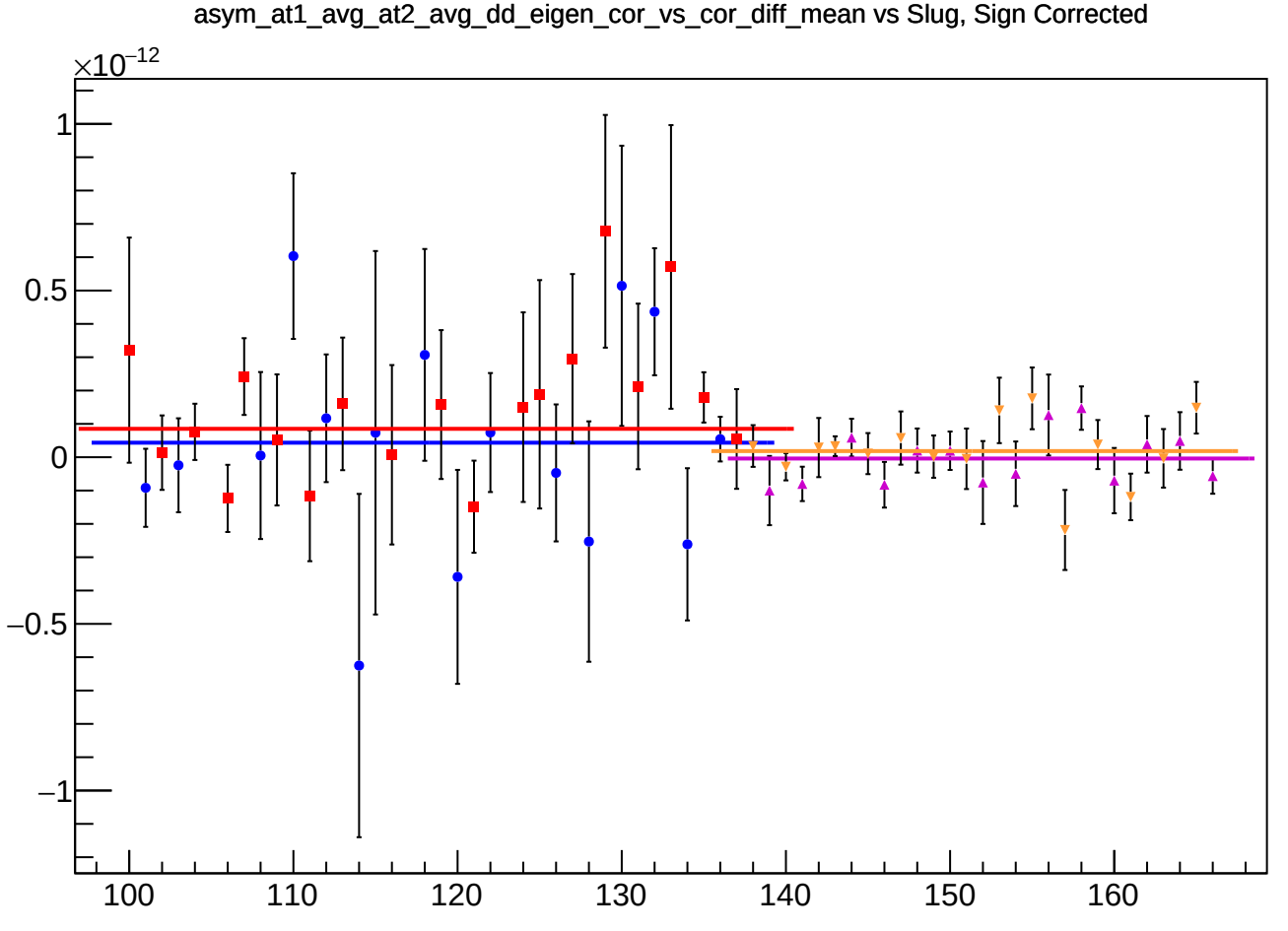
Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

Left: 0.000+/-0.000 χ^2/NDF: 33.1/28

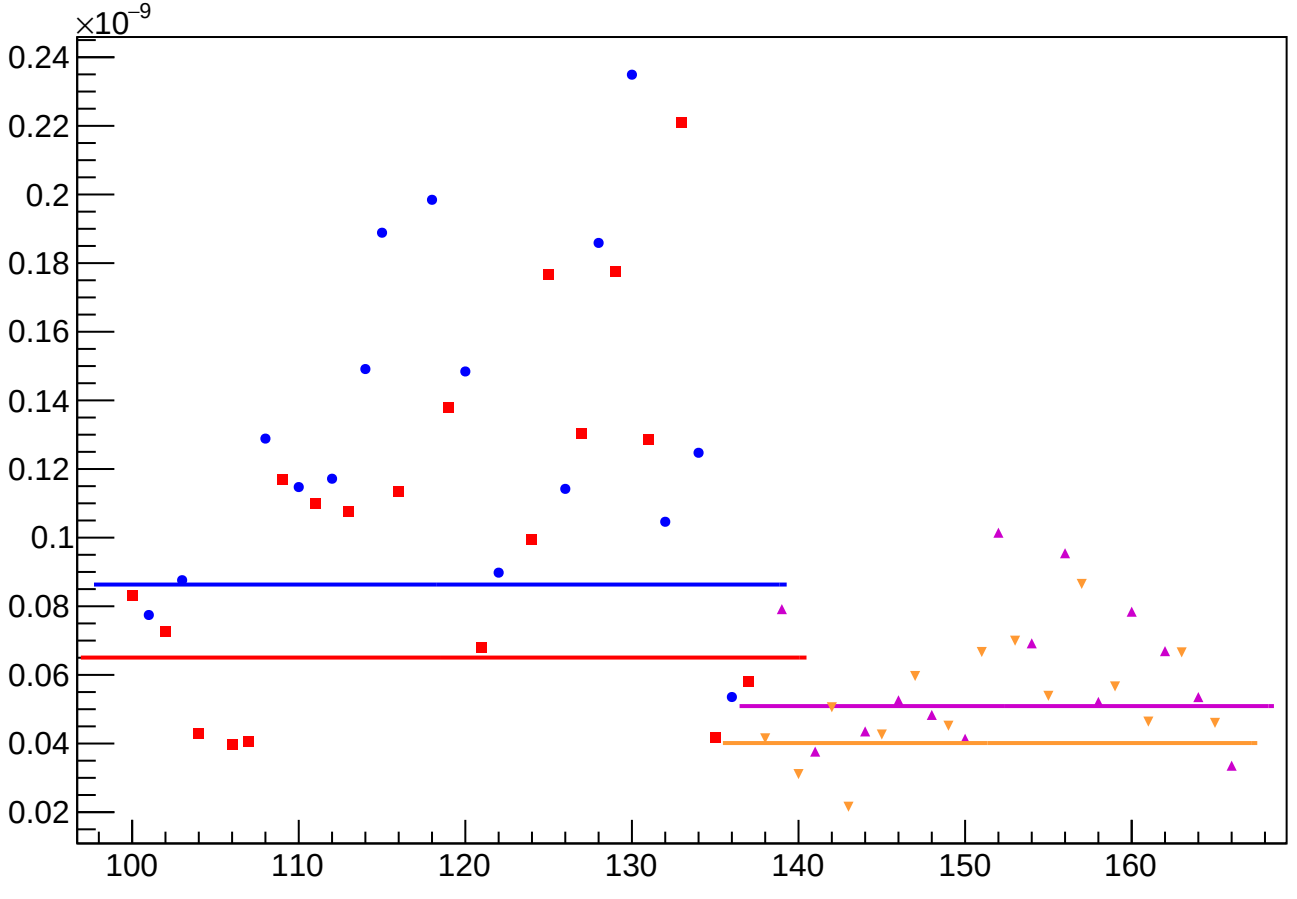
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.9/63

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: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1490918.5/13

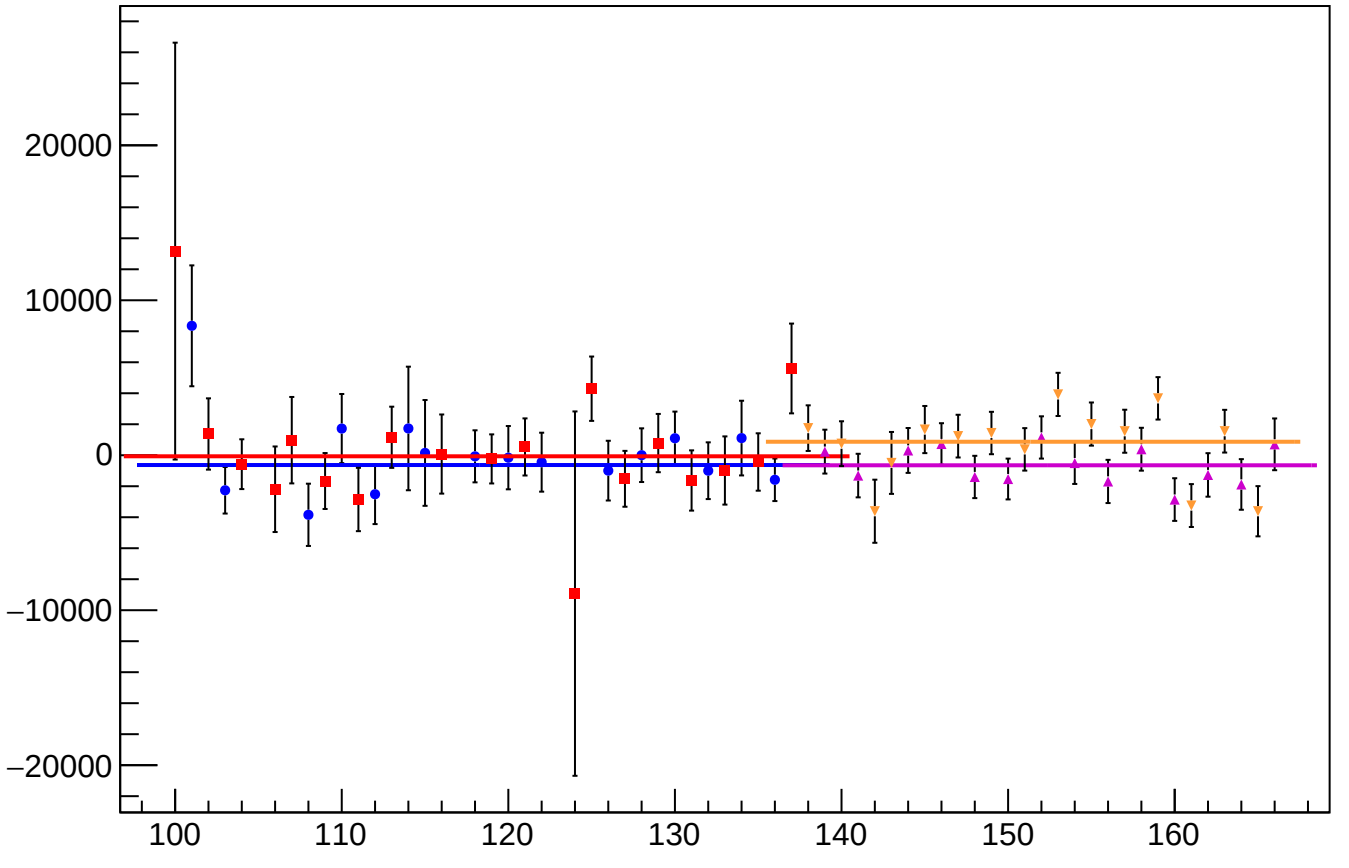
Left: 0.000+/-0.000 χ^2/NDF: 3915924.4/28

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4200915.6/29

Out: 0.000+/-0.000 χ^2/NDF:5080077.4/33

All: 0.000+/-0.000 χ^2/NDF: 9857416.4/63



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -648.112+/-376.741 χ^2/NDF:9.7/13

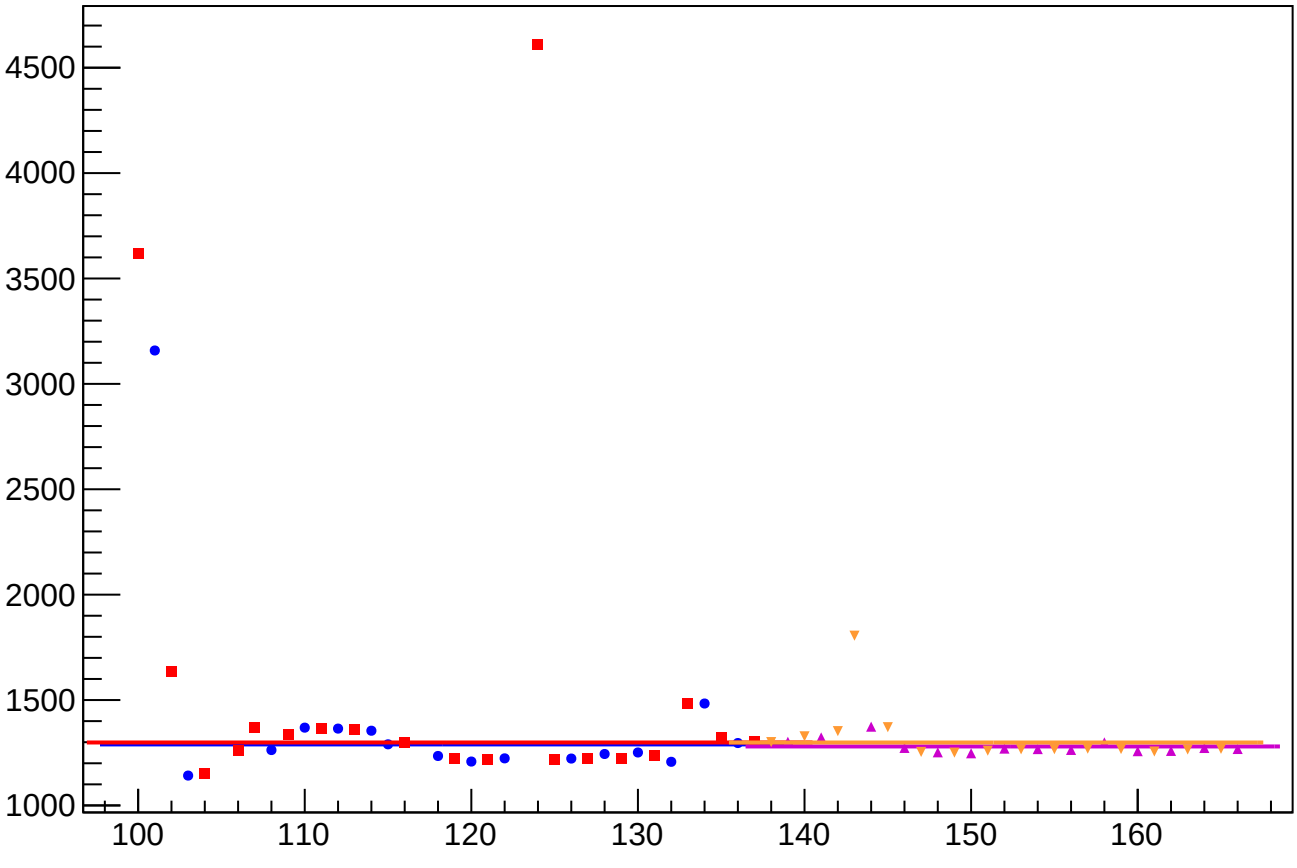
Left: 107.406+/-267.110 χ^2/NDF: 50.8/28

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -641.748+/-298.364 χ^2/NDF:23.6/29

Out: 517.950+/-299.160 χ^2/NDF:51.1/33

All: -63.444+/-211.256 χ^2/NDF: 82.3/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

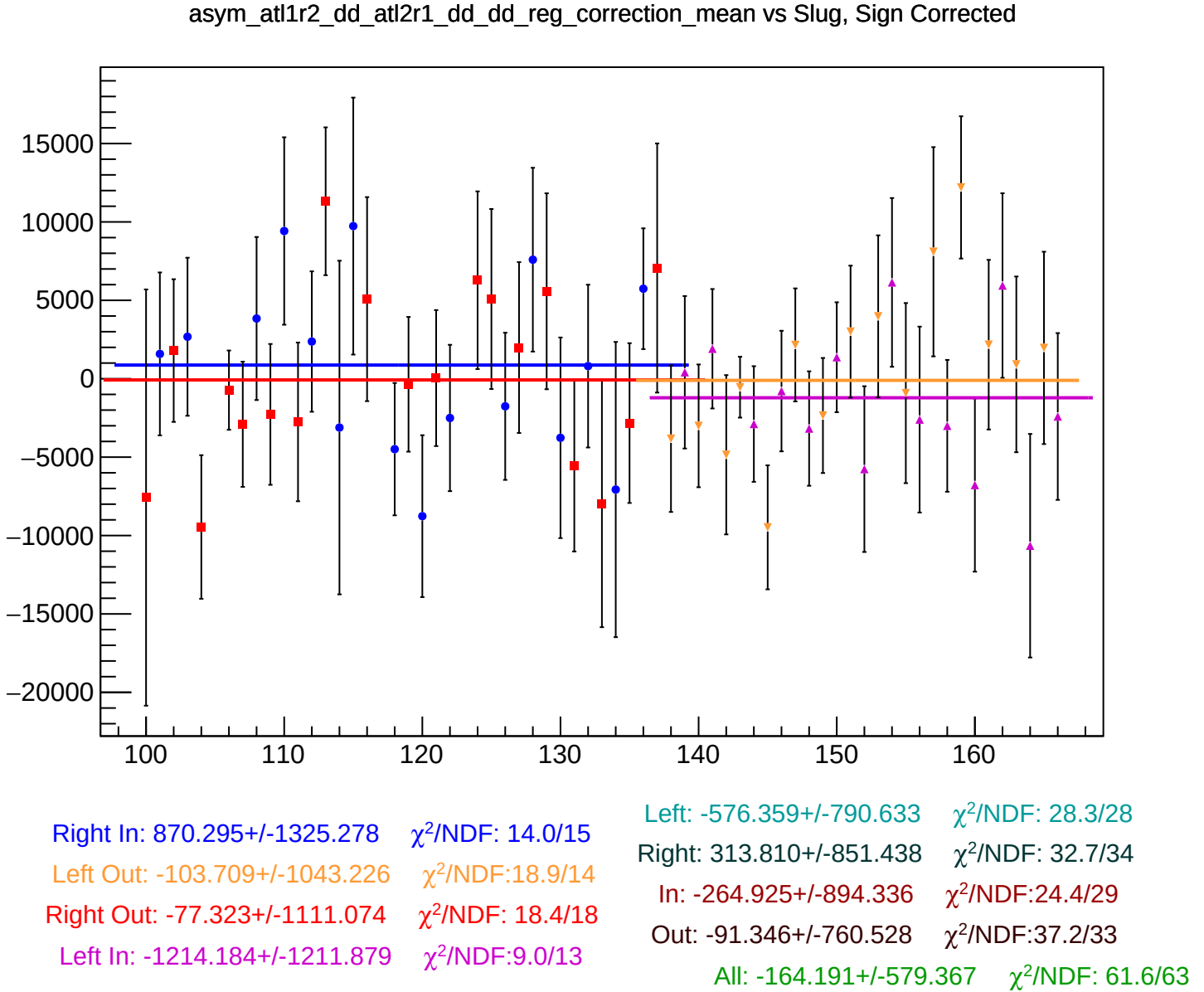
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

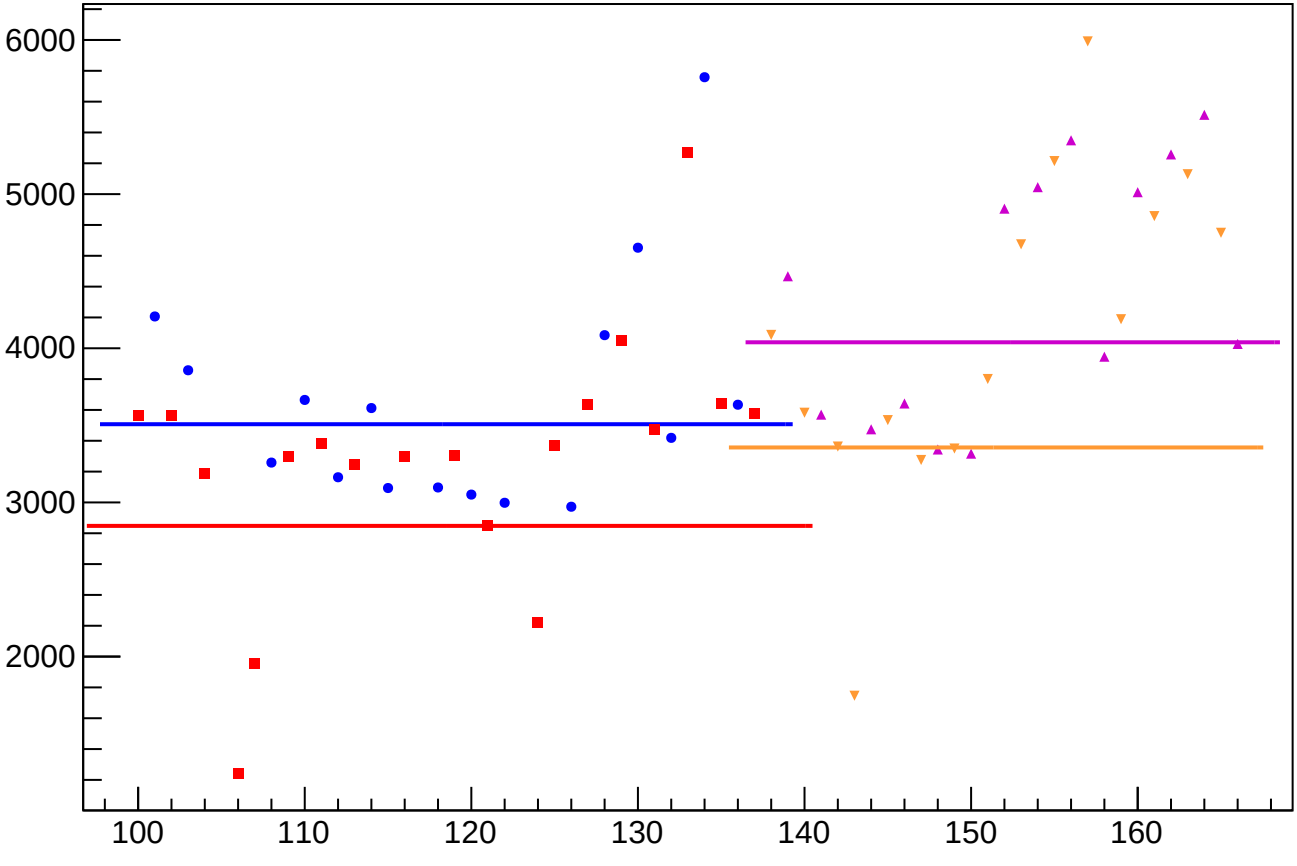
In: 1283.417+/-0.211 χ^2/NDF:530086.0/29

Out: 1298.606+/-0.211 χ^2/NDF:468746.5/33

All: 1290.999+/-0.149 χ^2/NDF: 1001419.8/63


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1214.184+/-1211.879 χ²/NDF:9.0/13
Left: -576.359+/-790.633 χ²/NDF: 28.3/28
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -264.925+/-894.336 χ²/NDF:24.4/29
Out: -91.346+/-760.528 χ²/NDF:37.2/33
All: -164.191+/-579.367 χ²/NDF: 61.6/63

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4038.851+/-0.857 χ^2/NDF:727704.4/13

Left: 3646.968+/-0.559 χ^2/NDF: 3729097.0/28

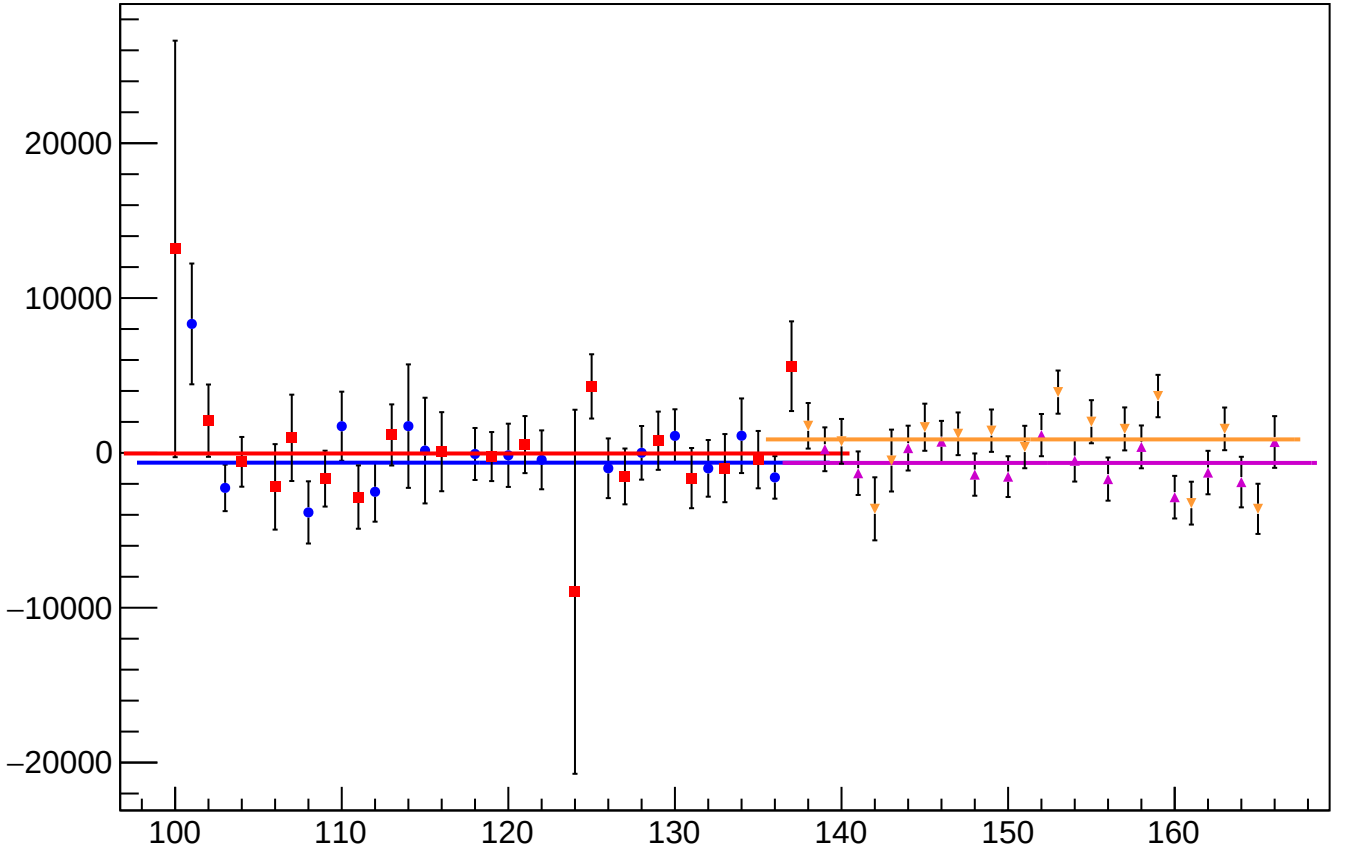
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3796.830+/-0.632 χ^2/NDF:1256841.6/29

Out: 3118.208+/-0.538 χ^2/NDF:4359502.7/33

All: 3403.004+/-0.410 χ^2/NDF: 6284629.9/63

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -648.119+/-376.741 χ^2/NDF:9.7/13

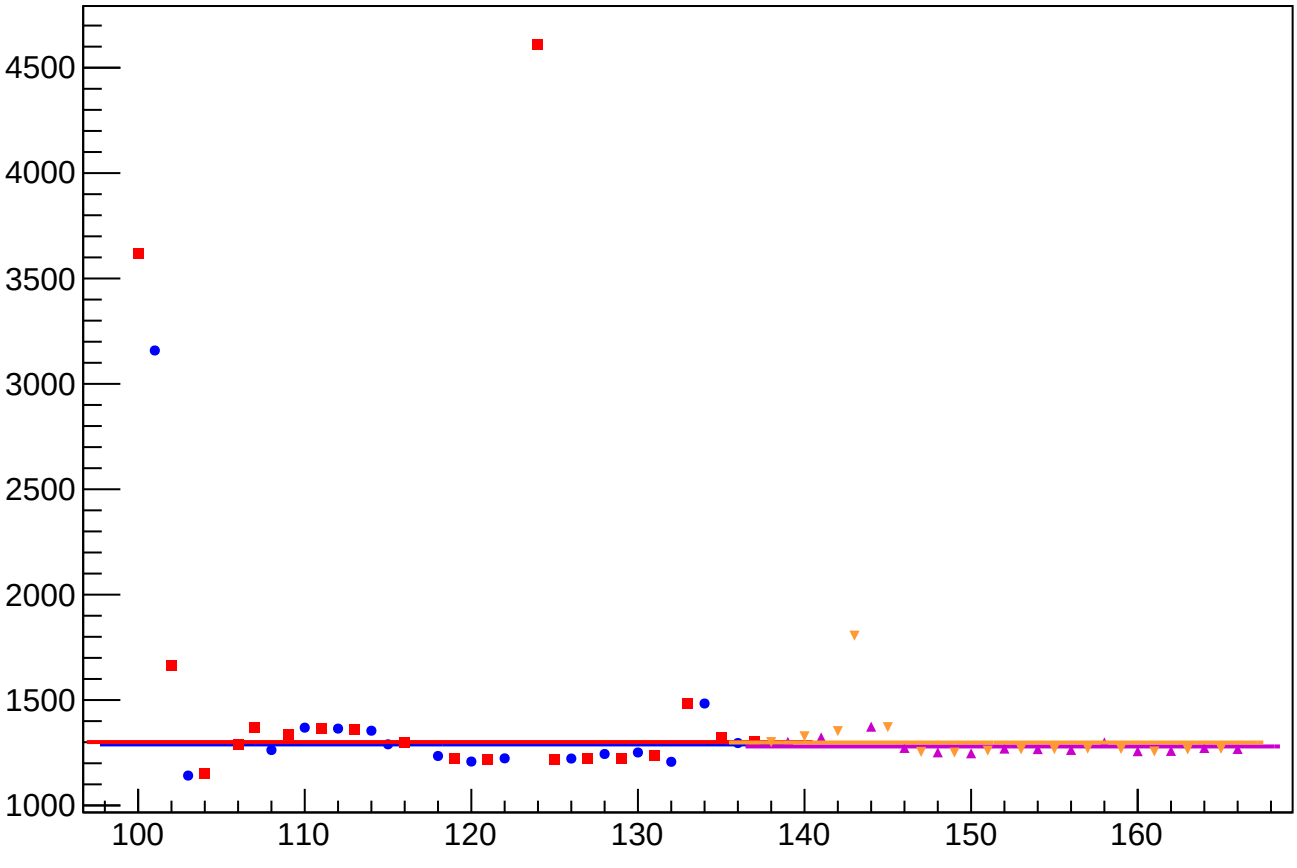
Left: 107.408+/-267.110 χ^2/NDF: 50.8/28

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -641.896+/-298.364 χ^2/NDF:23.6/29

Out: 529.156+/-299.235 χ^2/NDF:51.5/33

All: -58.076+/-211.283 χ^2/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

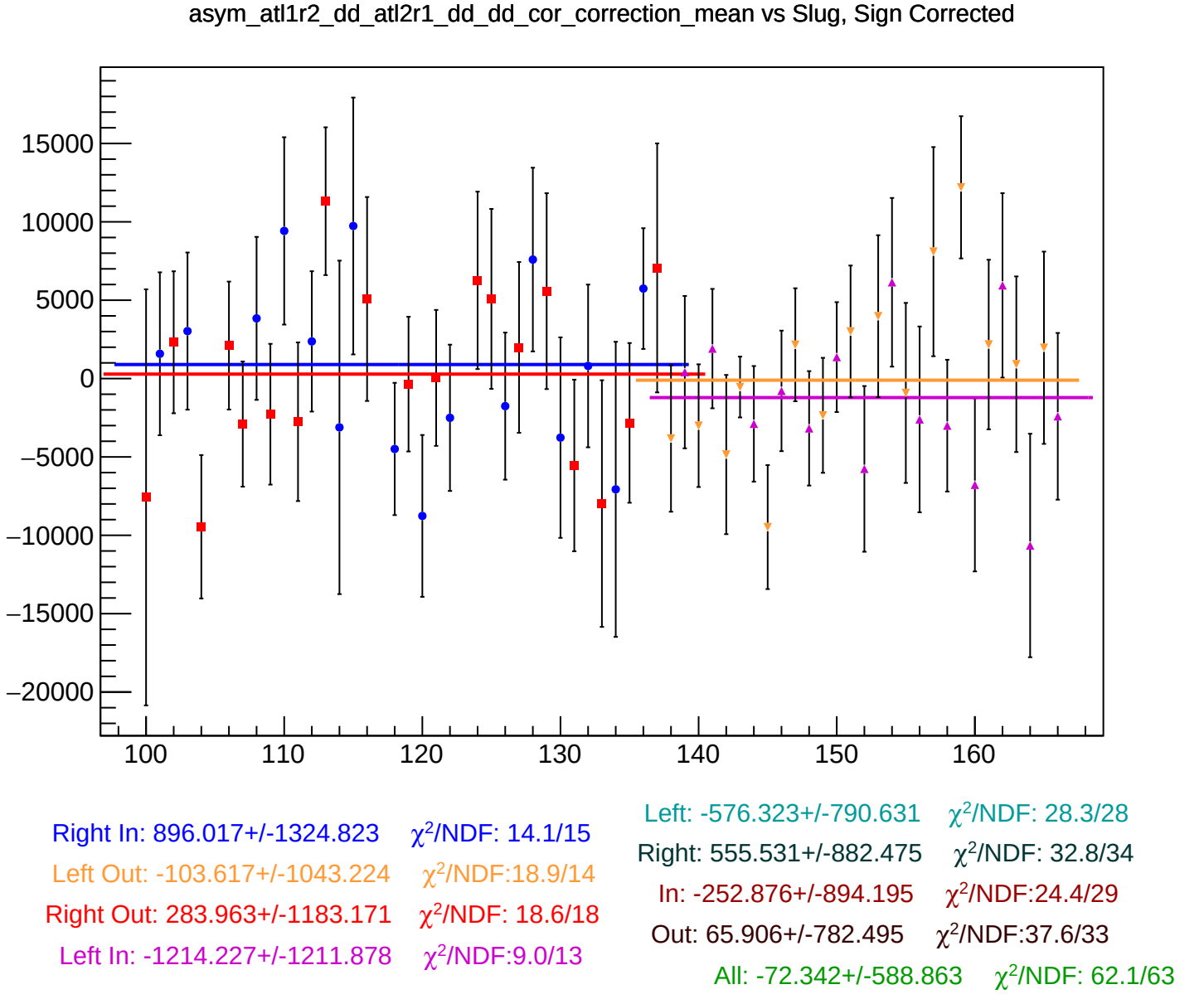
Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

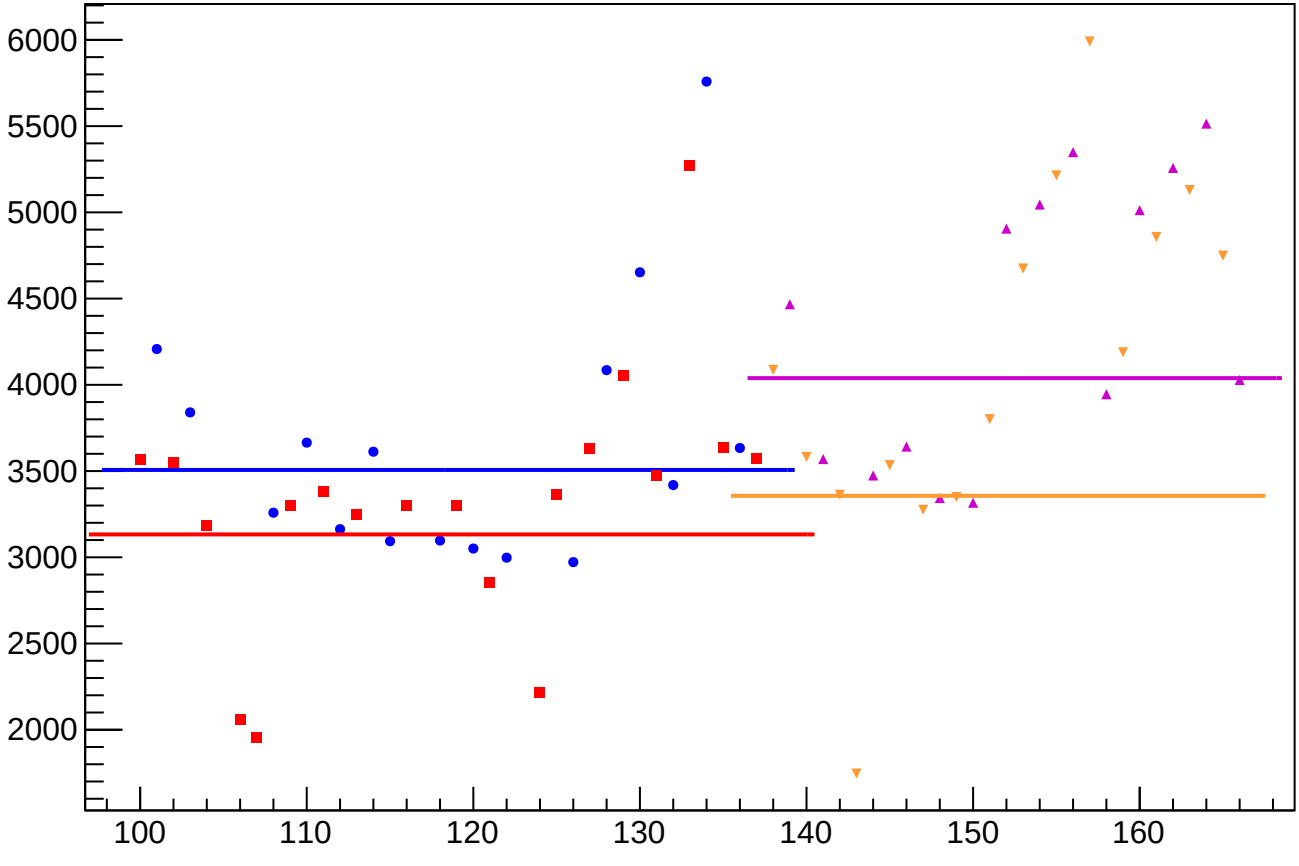
In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1214.227+/-1211.878 χ²/NDF:9.0/13
Left: -576.323+/-790.631 χ²/NDF: 28.3/28
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -252.876+/-894.195 χ²/NDF:24.4/29
Out: 65.906+/-782.495 χ²/NDF:37.6/33
All: -72.342+/-588.863 χ²/NDF: 62.1/63

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

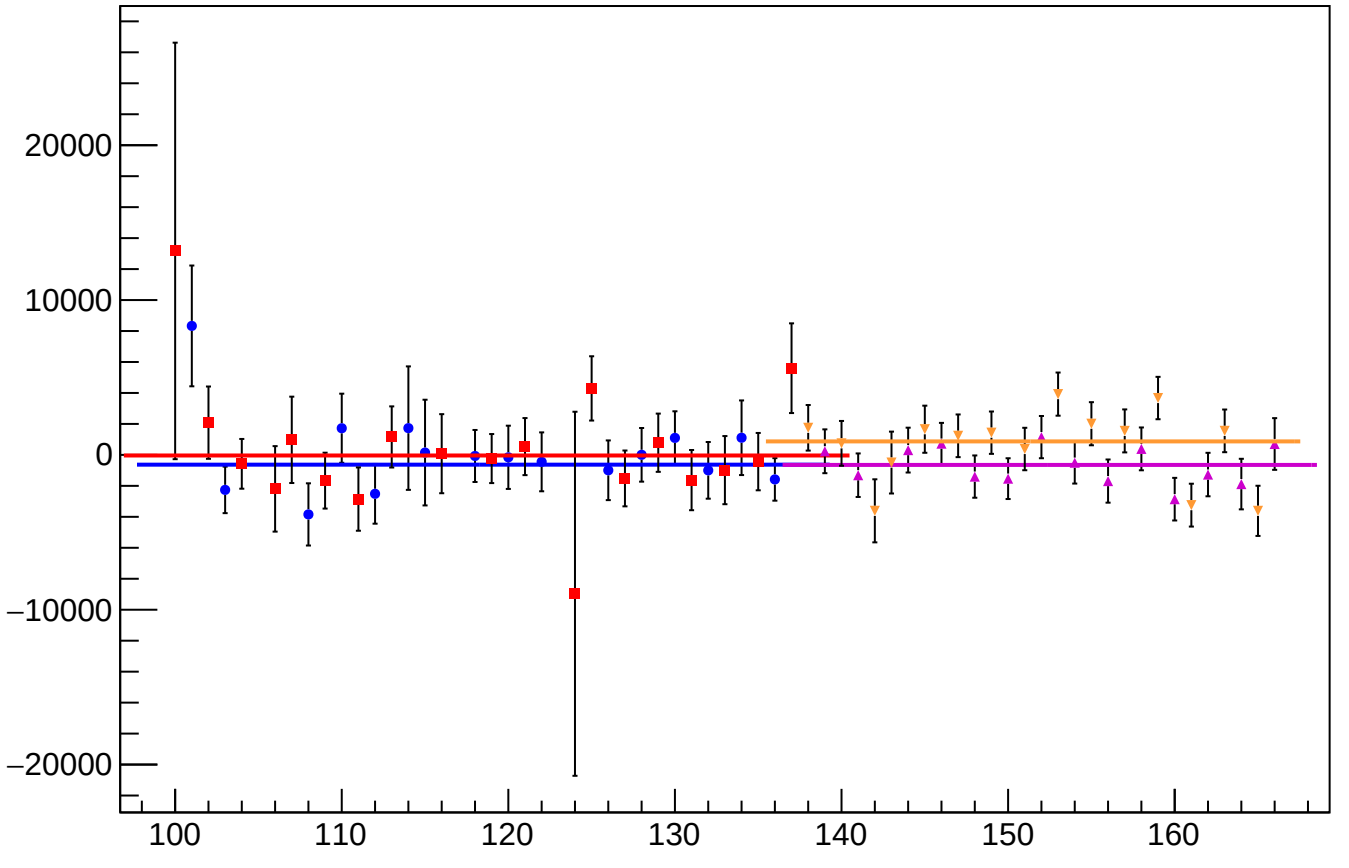
Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

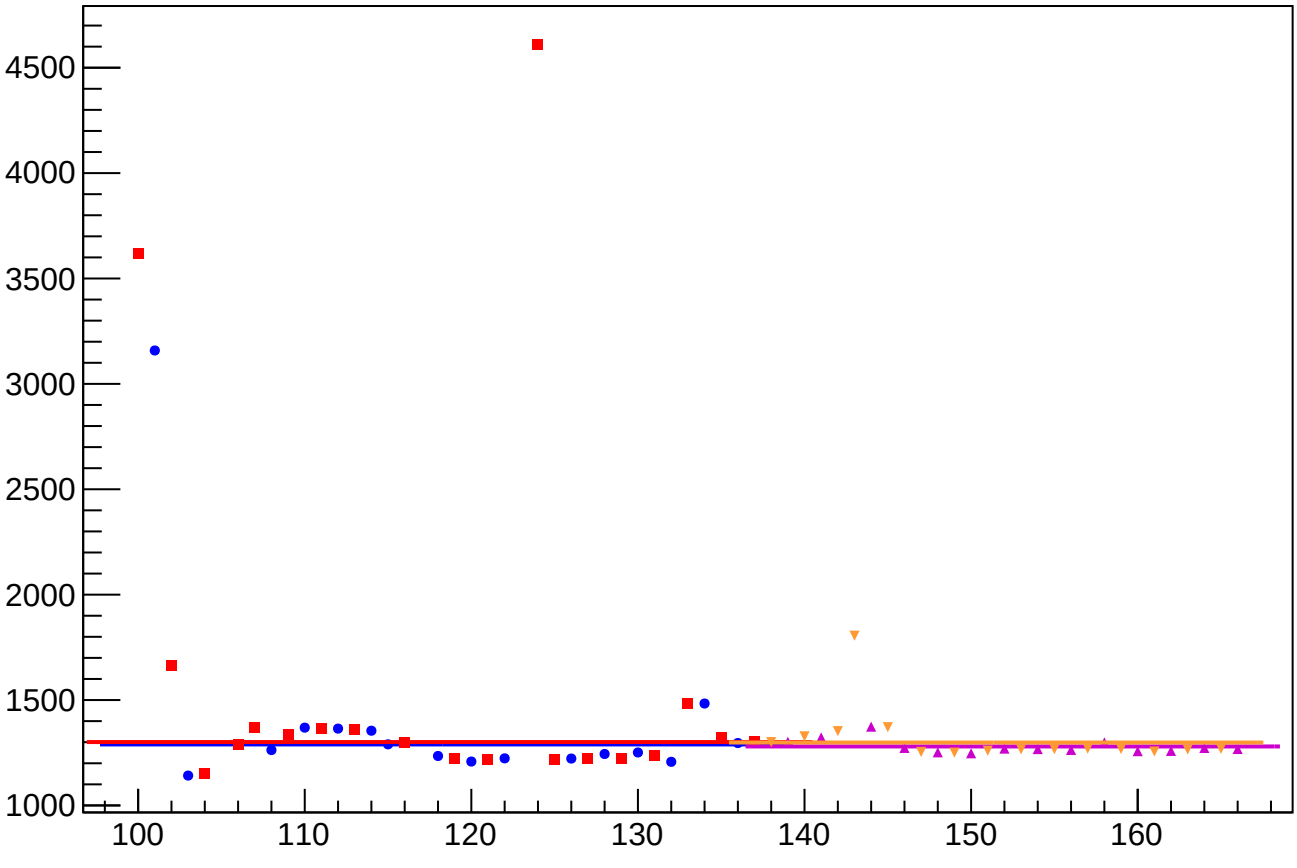
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 871.086+/-378.768 χ²/NDF:33.0/14
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -648.119+/-376.741 χ²/NDF:9.7/13
Left: 107.408+/-267.110 χ²/NDF: 50.8/28
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -641.896+/-298.364 χ²/NDF:23.6/29
Out: 529.156+/-299.235 χ²/NDF:51.5/33
All: -58.076+/-211.283 χ²/NDF: 82.8/63



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1279.822+/-0.266 χ^2/NDF:14922.3/13

Left: 1289.149+/-0.189 χ^2/NDF: 166758.8/28

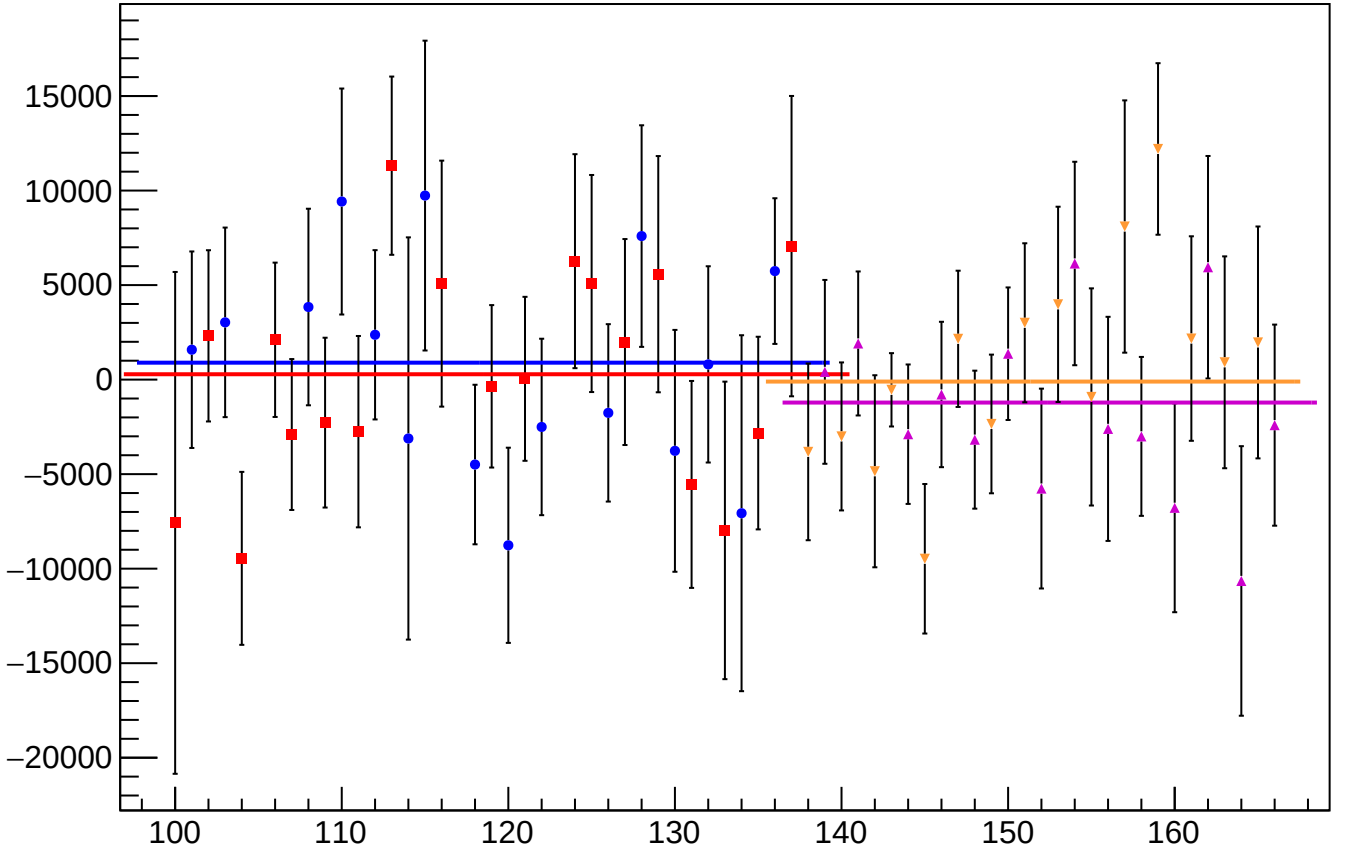
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.417+/-0.211 χ^2/NDF:530087.5/29

Out: 1299.370+/-0.211 χ^2/NDF:475302.6/33

All: 1291.376+/-0.149 χ^2/NDF: 1008242.7/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1214.227+/-1211.878 χ^2/NDF:9.0/13

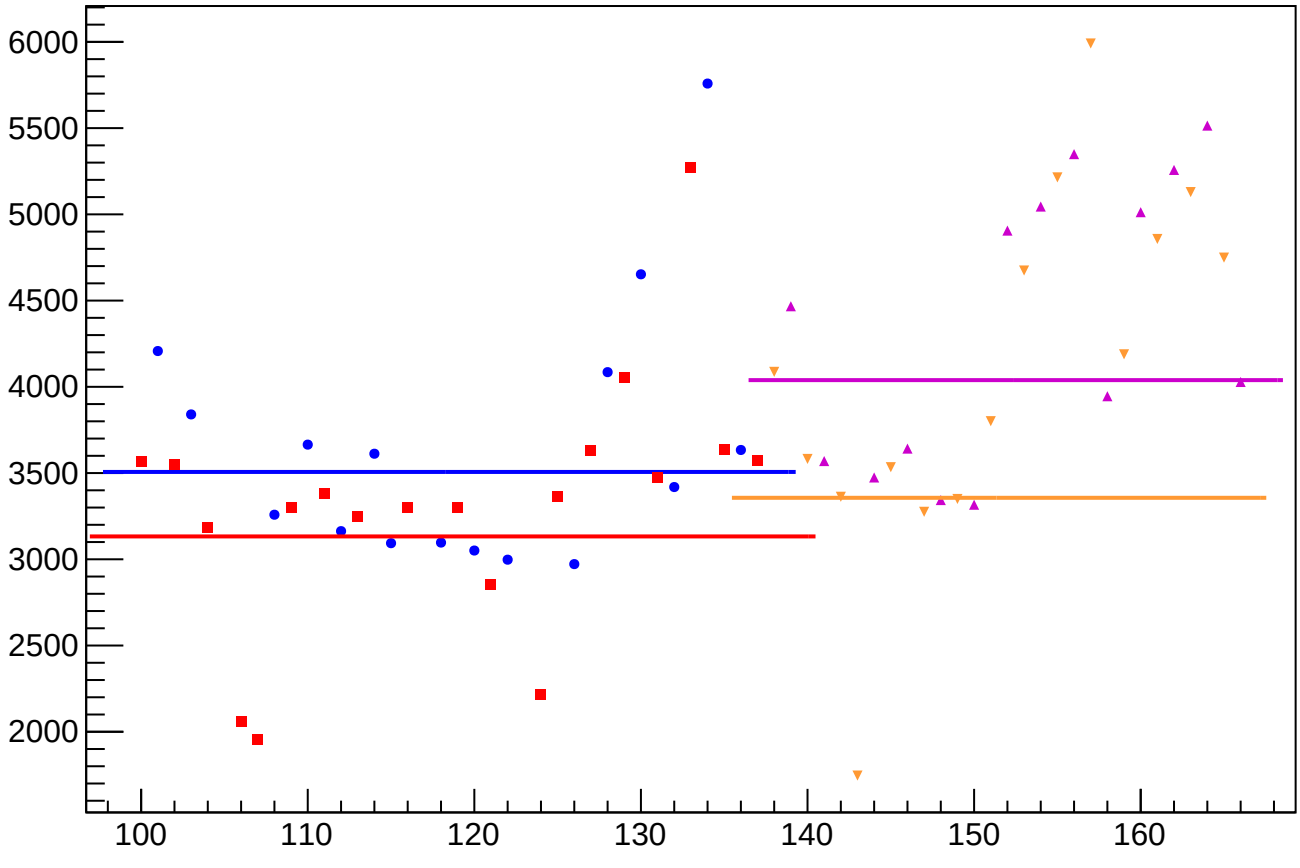
Left: -576.323+/-790.631 χ^2/NDF: 28.3/28

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -252.876+/-894.195 χ^2/NDF:24.4/29

Out: 65.906+/-782.495 χ^2/NDF:37.6/33

All: -72.342+/-588.863 χ^2/NDF: 62.1/63



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4038.847+/-0.857 χ^2/NDF:727705.7/13

Left: 3646.960+/-0.559 χ^2/NDF: 3729129.1/28

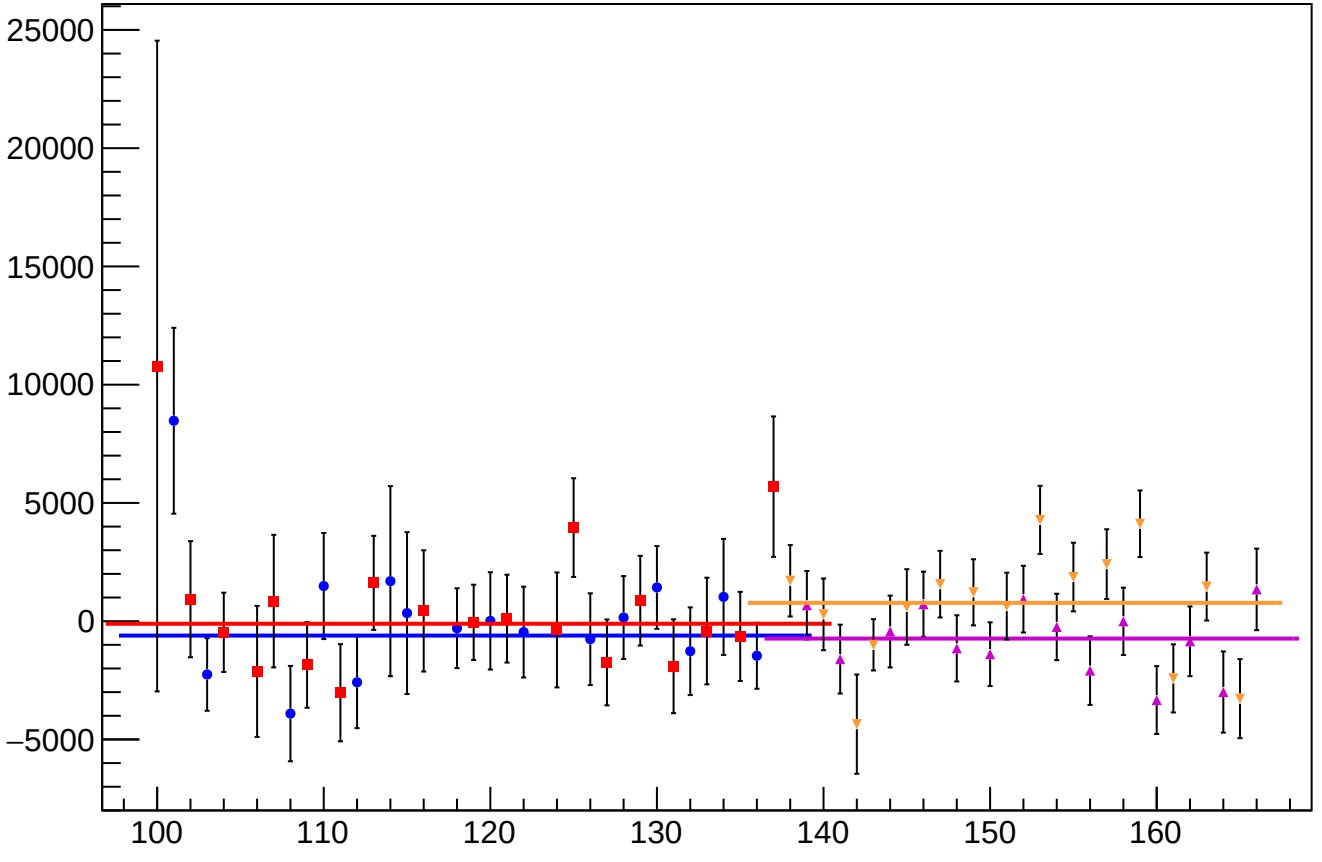
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3796.322+/-0.632 χ^2/NDF:1256767.1/29

Out: 3258.596+/-0.553 χ^2/NDF:3327238.6/33

All: 3491.794+/-0.416 χ^2/NDF: 4993599.1/63

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -735.092+/-390.137 χ^2/NDF:11.9/13

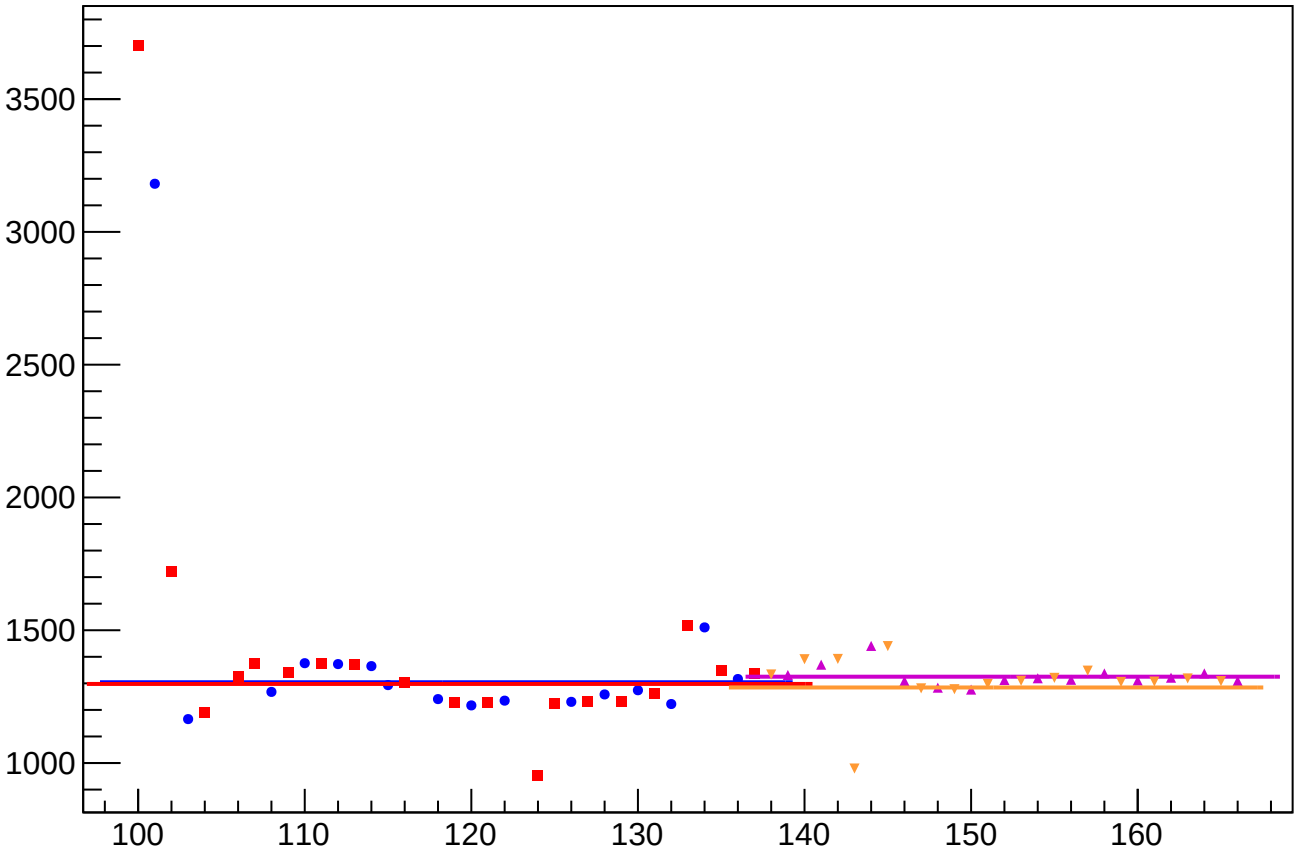
Left: 49.511+/-270.412 χ^2/NDF: 53.6/28

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -686.230+/-306.214 χ^2/NDF:26.1/29

Out: 444.684+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.142 χ^2/NDF: 84.0/63



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.084+/-0.276 χ^2/NDF:19191.5/13

Left: 1303.999+/-0.191 χ^2/NDF: 233481.6/28

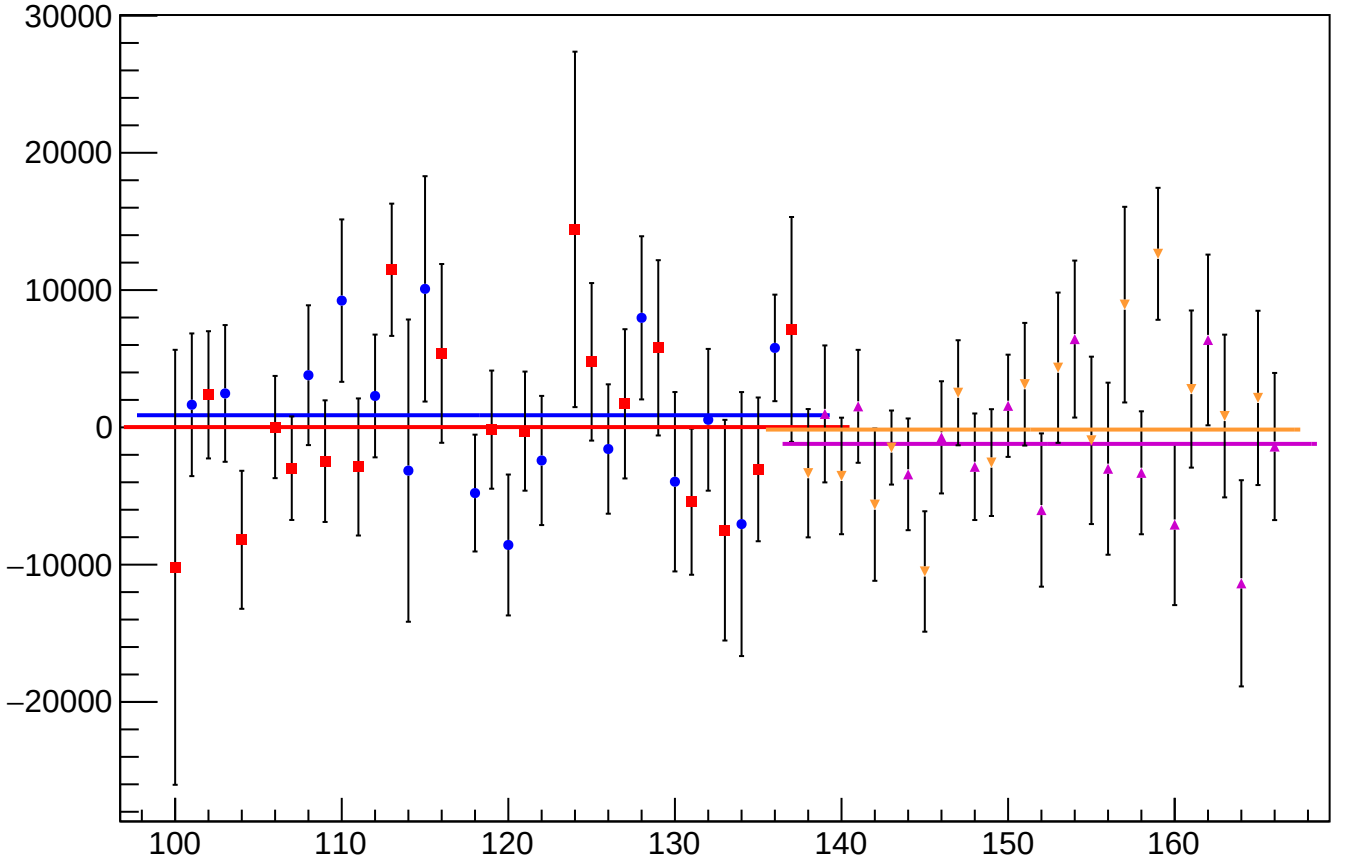
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.028+/-0.217 χ^2/NDF:532001.9/29

Out: 1289.477+/-0.210 χ^2/NDF:417083.4/33

All: 1302.821+/-0.151 χ^2/NDF: 957433.8/63

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -160.912+/-1182.786 χ^2/NDF:19.1/14

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1203.062+/-1287.115 χ^2/NDF:8.8/13

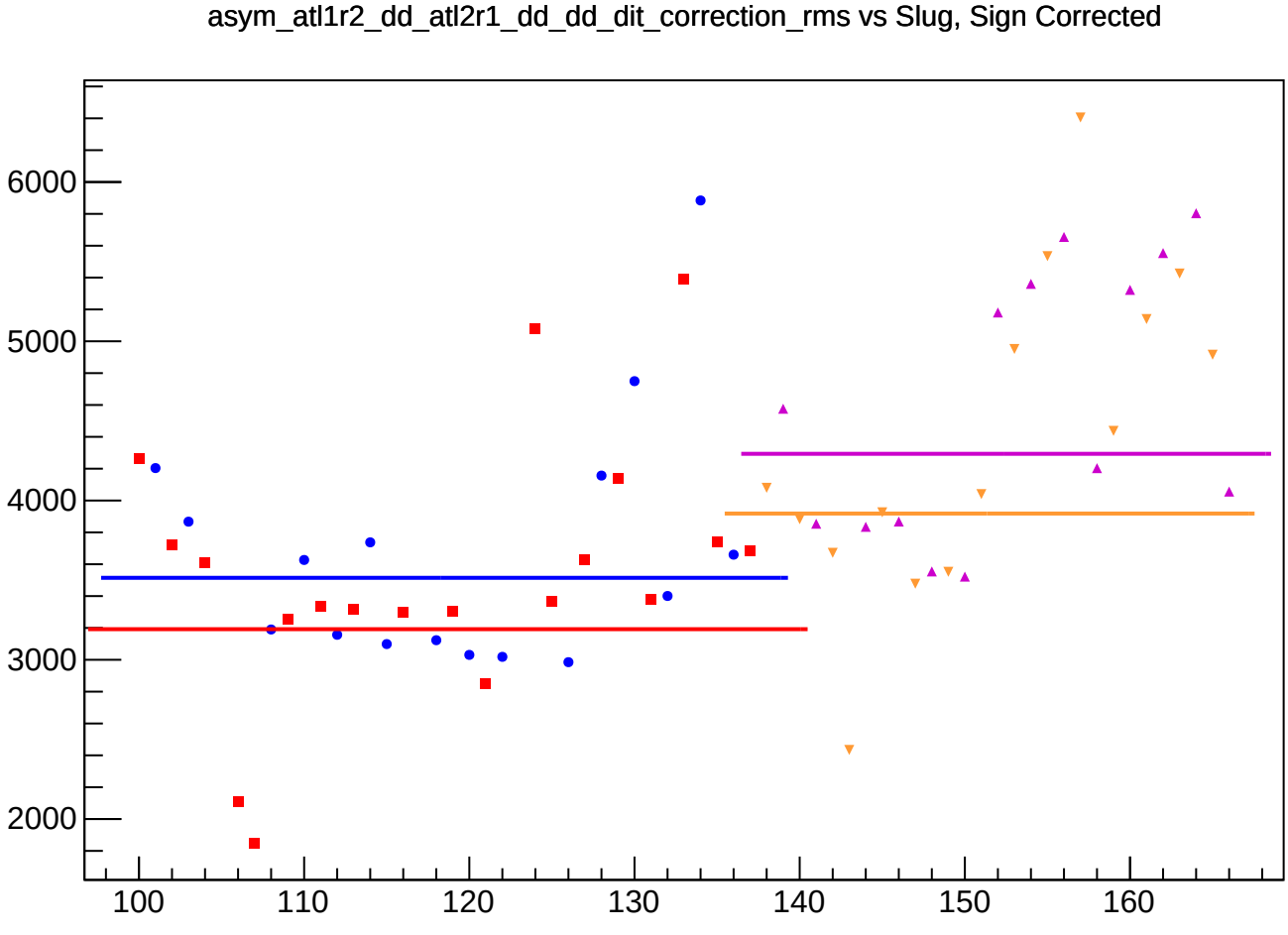
Left: -638.045+/-870.907 χ^2/NDF: 28.3/28

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -191.653+/-924.041 χ^2/NDF:24.2/29

Out: -71.428+/-842.381 χ^2/NDF:36.0/33

All: -125.995+/-622.525 χ^2/NDF: 60.2/63



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4293.404+/-0.910 χ^2/NDF:678584.3/13

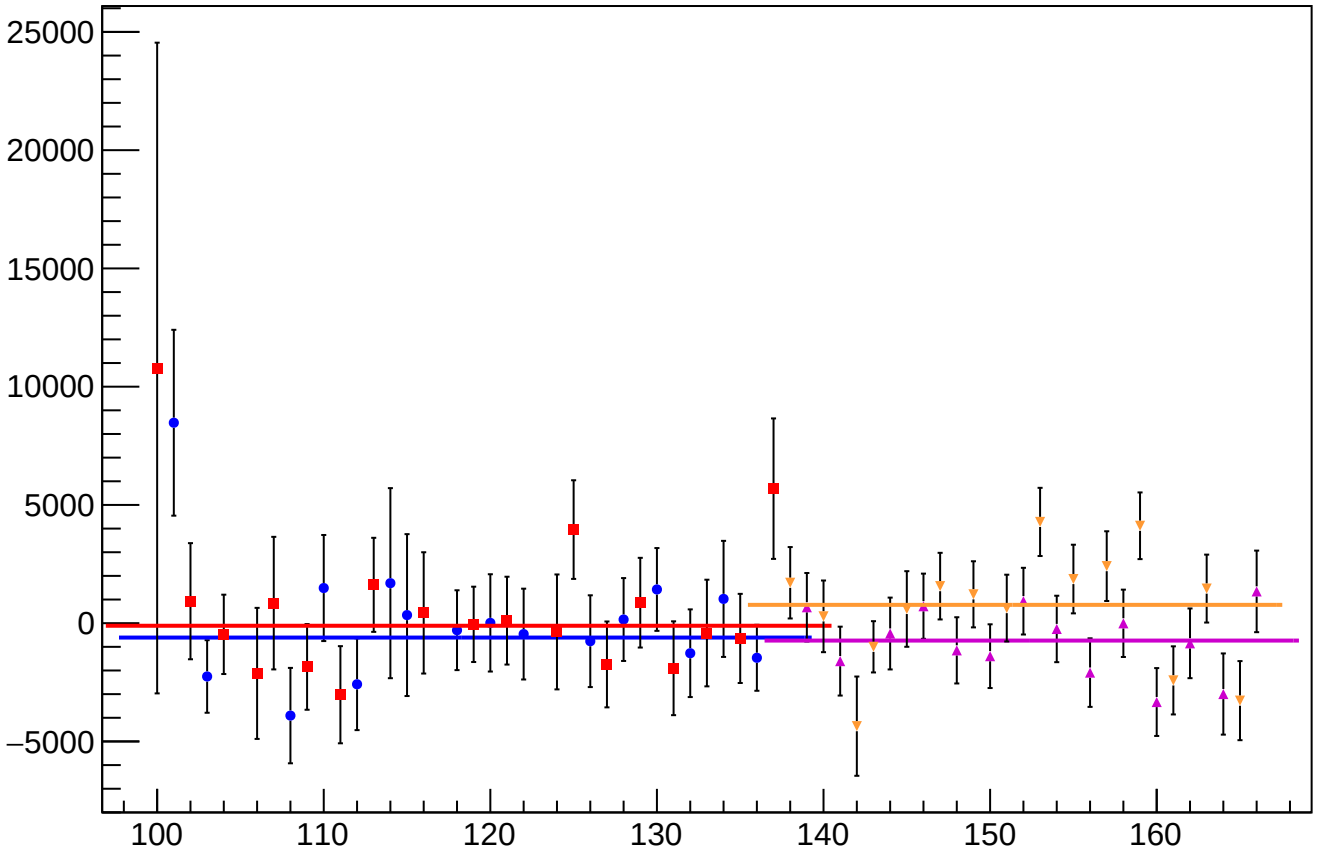
Left: 4090.046+/-0.616 χ^2/NDF: 2177033.8/28

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3916.069+/-0.653 χ^2/NDF:1408369.1/29

Out: 3560.511+/-0.596 χ^2/NDF:2550288.0/33

All: 3721.888+/-0.440 χ^2/NDF: 4120377.5/63



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -735.094+/-390.138 χ^2/NDF:11.9/13

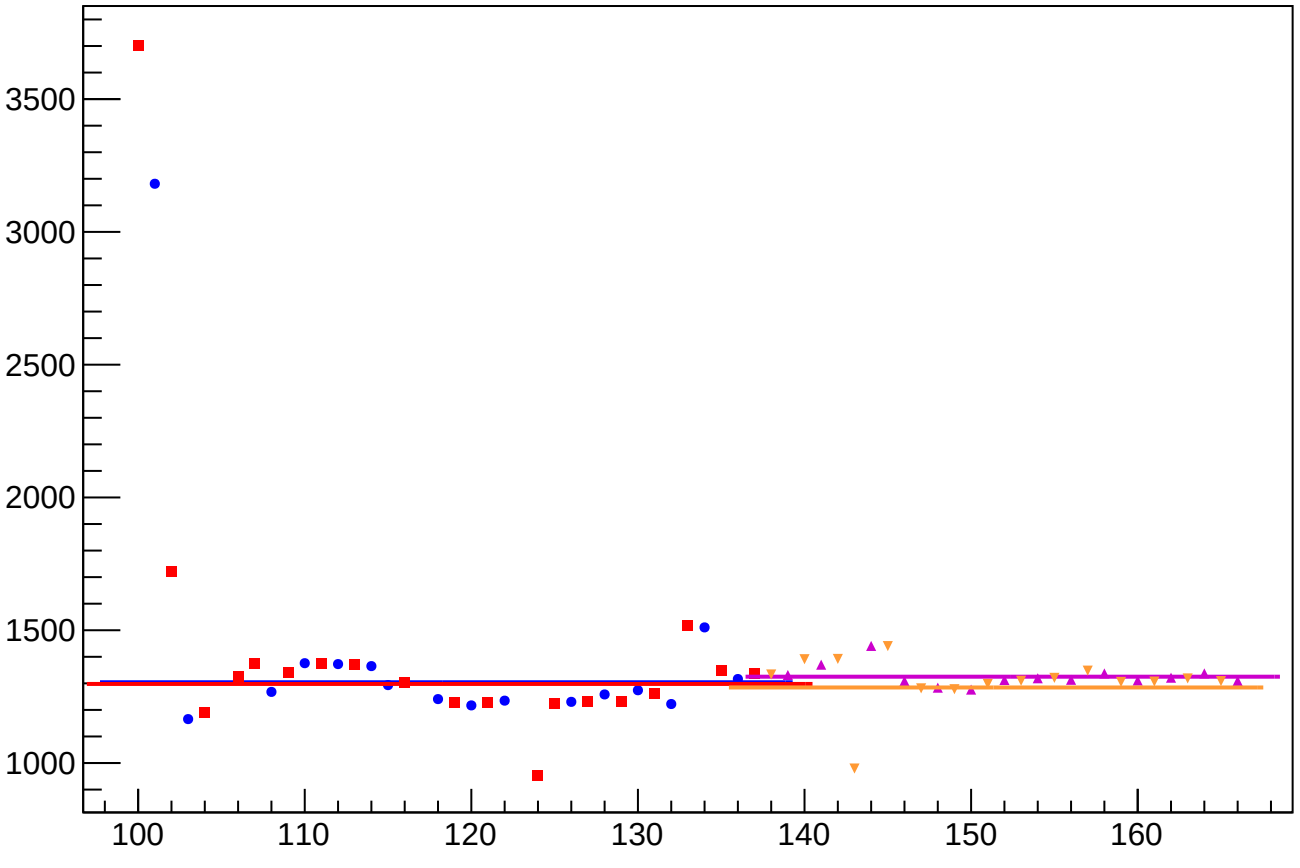
Left: 49.514+/-270.412 χ^2/NDF: 53.6/28

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -686.232+/-306.214 χ^2/NDF:26.1/29

Out: 444.686+/-296.862 χ^2/NDF:50.9/33

All: -103.239+/-213.143 χ^2/NDF: 84.0/63



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.085+/-0.276 χ^2/NDF:19191.6/13

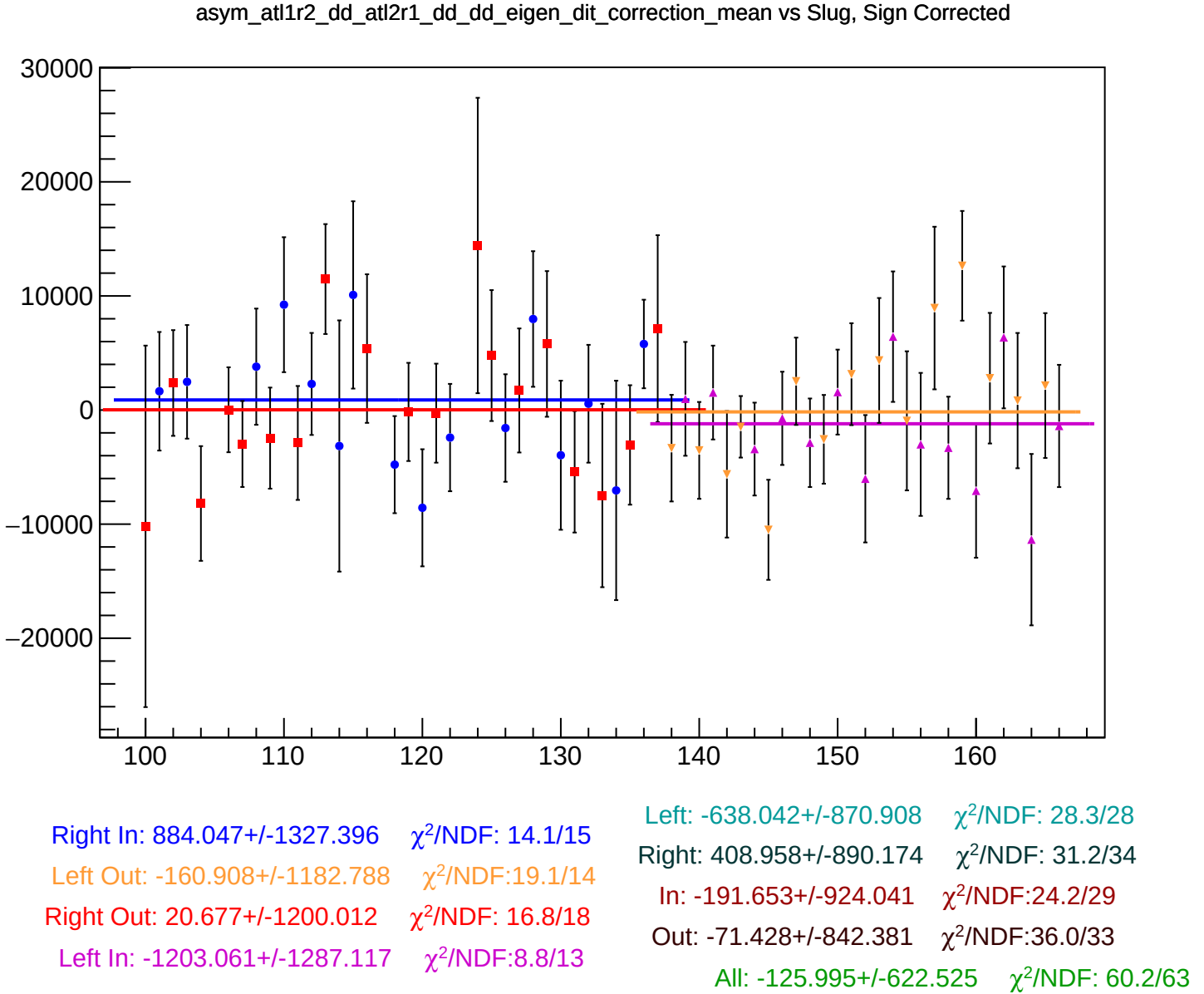
Left: 1304.000+/-0.191 χ^2/NDF: 233482.4/28

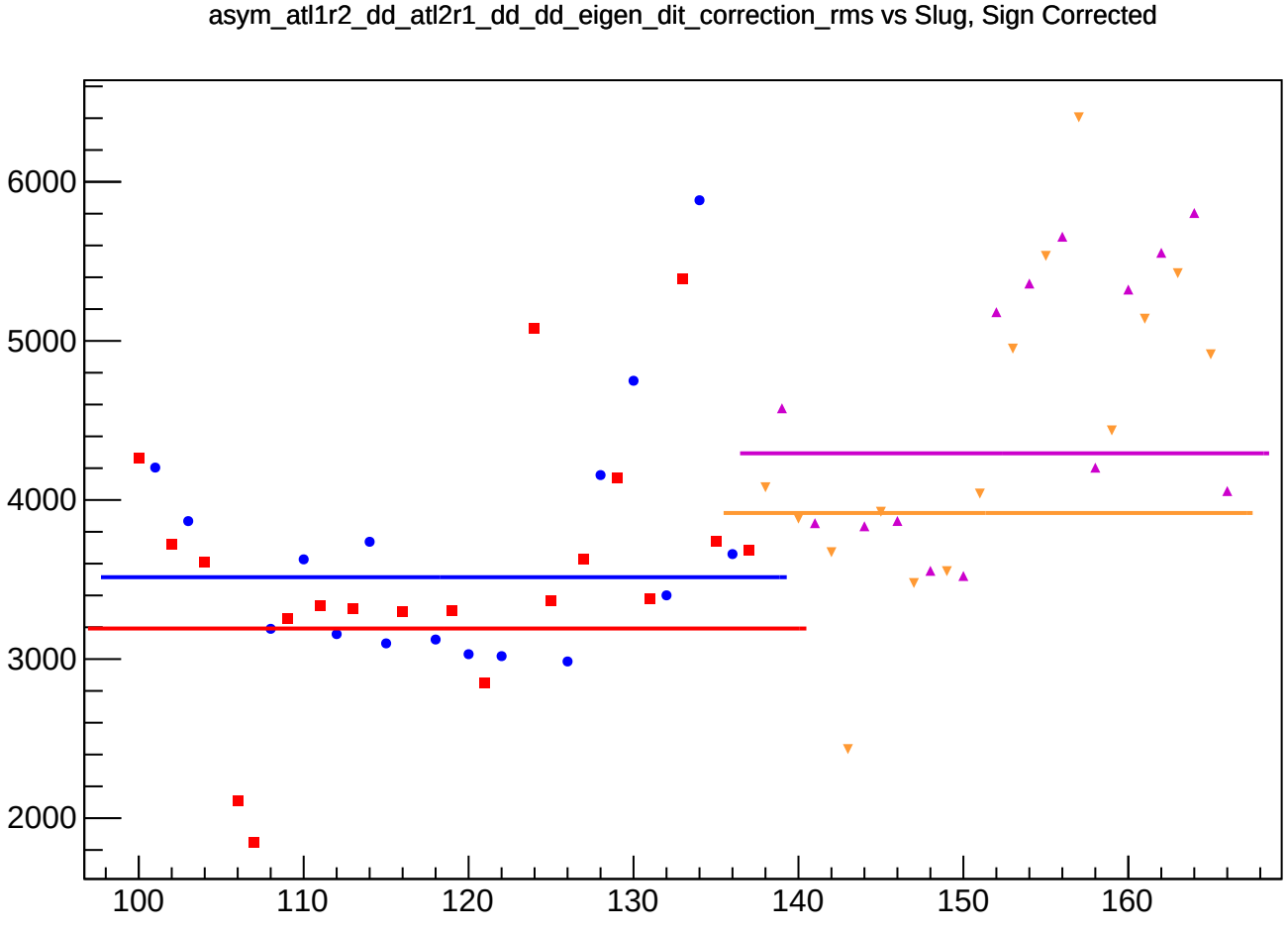
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1317.029+/-0.217 χ^2/NDF:532002.4/29

Out: 1289.478+/-0.210 χ^2/NDF:417084.1/33

All: 1302.822+/-0.151 χ^2/NDF: 957435.0/63


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -160.908+/-1182.788 χ²/NDF:19.1/14
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1203.061+/-1287.117 χ²/NDF:8.8/13
Left: -638.042+/-870.908 χ²/NDF: 28.3/28
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -191.653+/-924.041 χ²/NDF:24.2/29
Out: -71.428+/-842.381 χ²/NDF:36.0/33
All: -125.995+/-622.525 χ²/NDF: 60.2/63



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4293.410+/-0.910 χ^2/NDF:678585.8/13

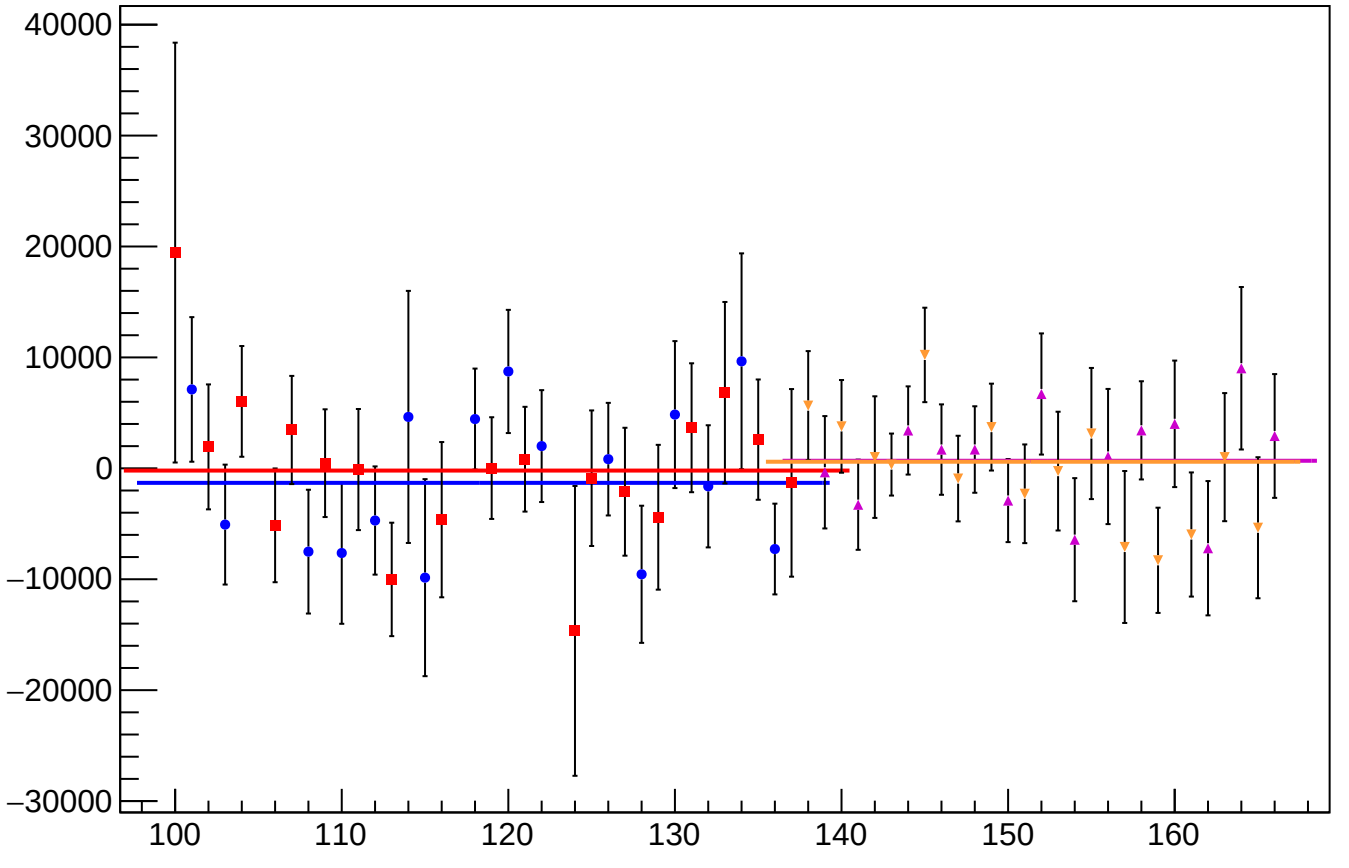
Left: 4090.052+/-0.616 χ^2/NDF: 2177037.0/28

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3916.067+/-0.653 χ^2/NDF:1408389.1/29

Out: 3560.509+/-0.596 χ^2/NDF:2550306.2/33

All: 3721.886+/-0.440 χ^2/NDF: 4120415.5/63



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 681.934+/-1277.622 χ^2/NDF:9.2/13

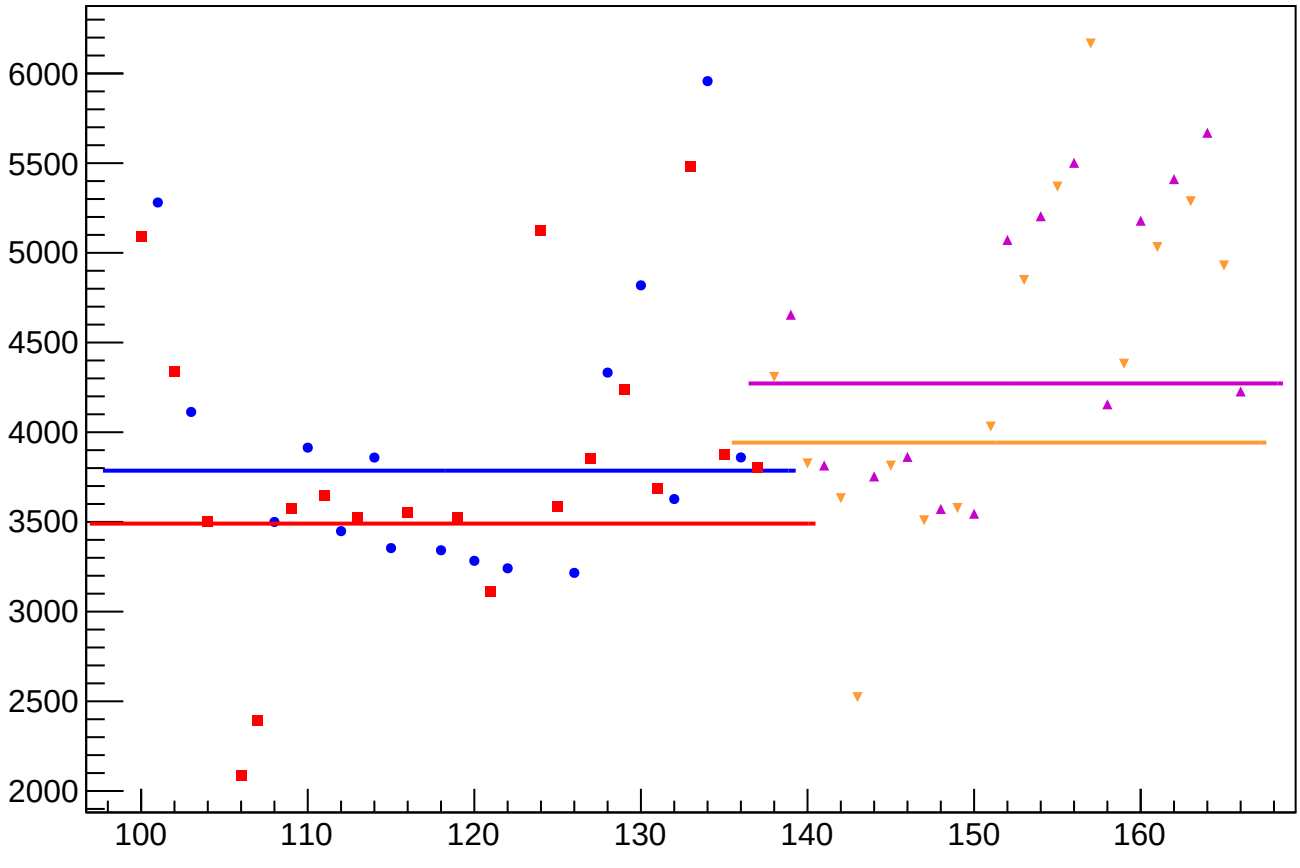
Left: 634.973+/-868.291 χ^2/NDF: 24.5/28

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -200.882+/-953.230 χ^2/NDF:27.9/29

Out: 244.524+/-885.975 χ^2/NDF:27.1/33

All: 38.087+/-648.954 χ^2/NDF: 55.1/63



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4271.917+/-0.903 χ^2/NDF:606988.2/13

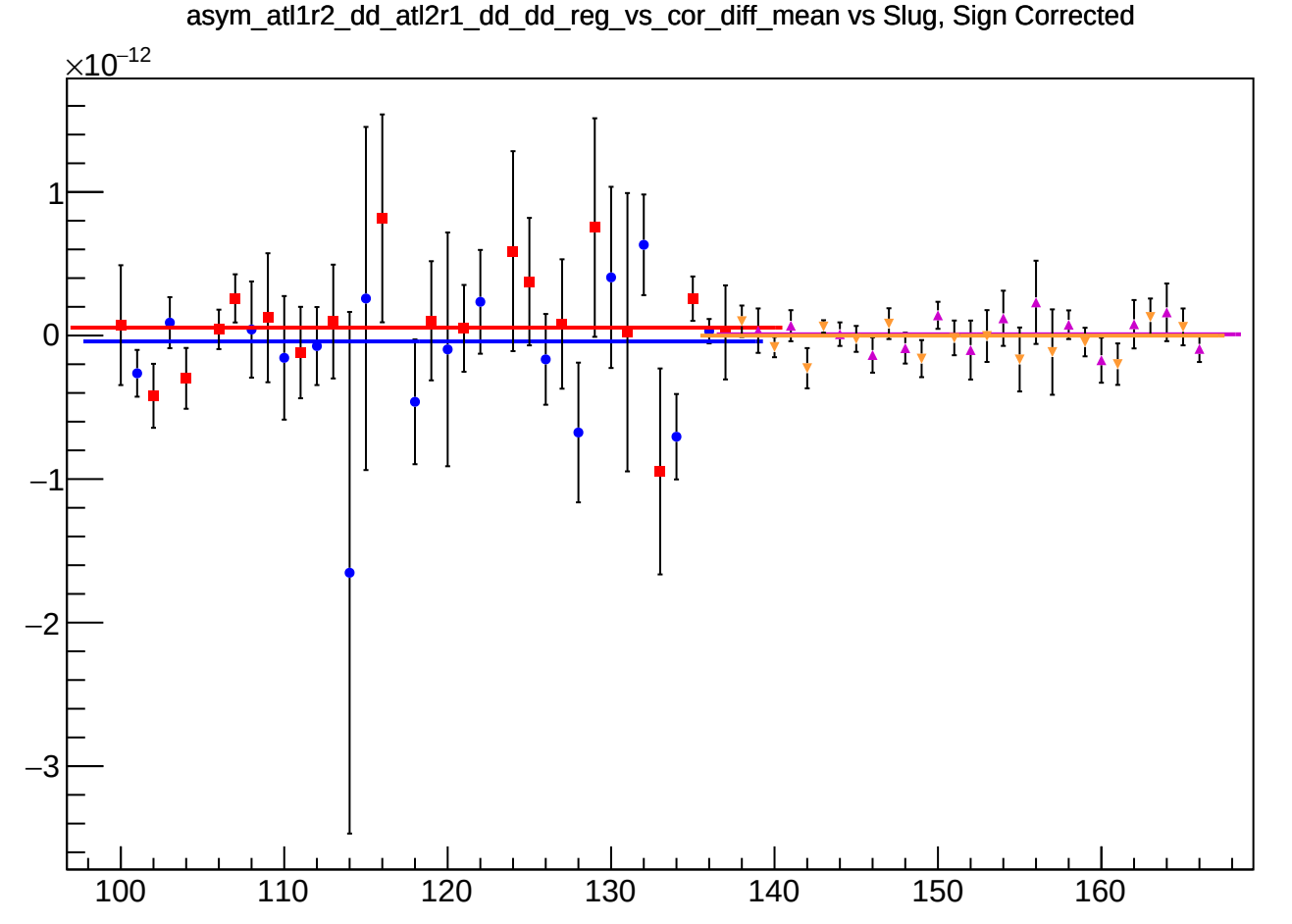
Left: 4094.508+/-0.614 χ^2/NDF: 1892982.7/28

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4056.388+/-0.674 χ^2/NDF:1118360.3/29

Out: 3740.583+/-0.623 χ^2/NDF:1931051.6/33

All: 3885.998+/-0.457 χ^2/NDF: 3167852.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/13

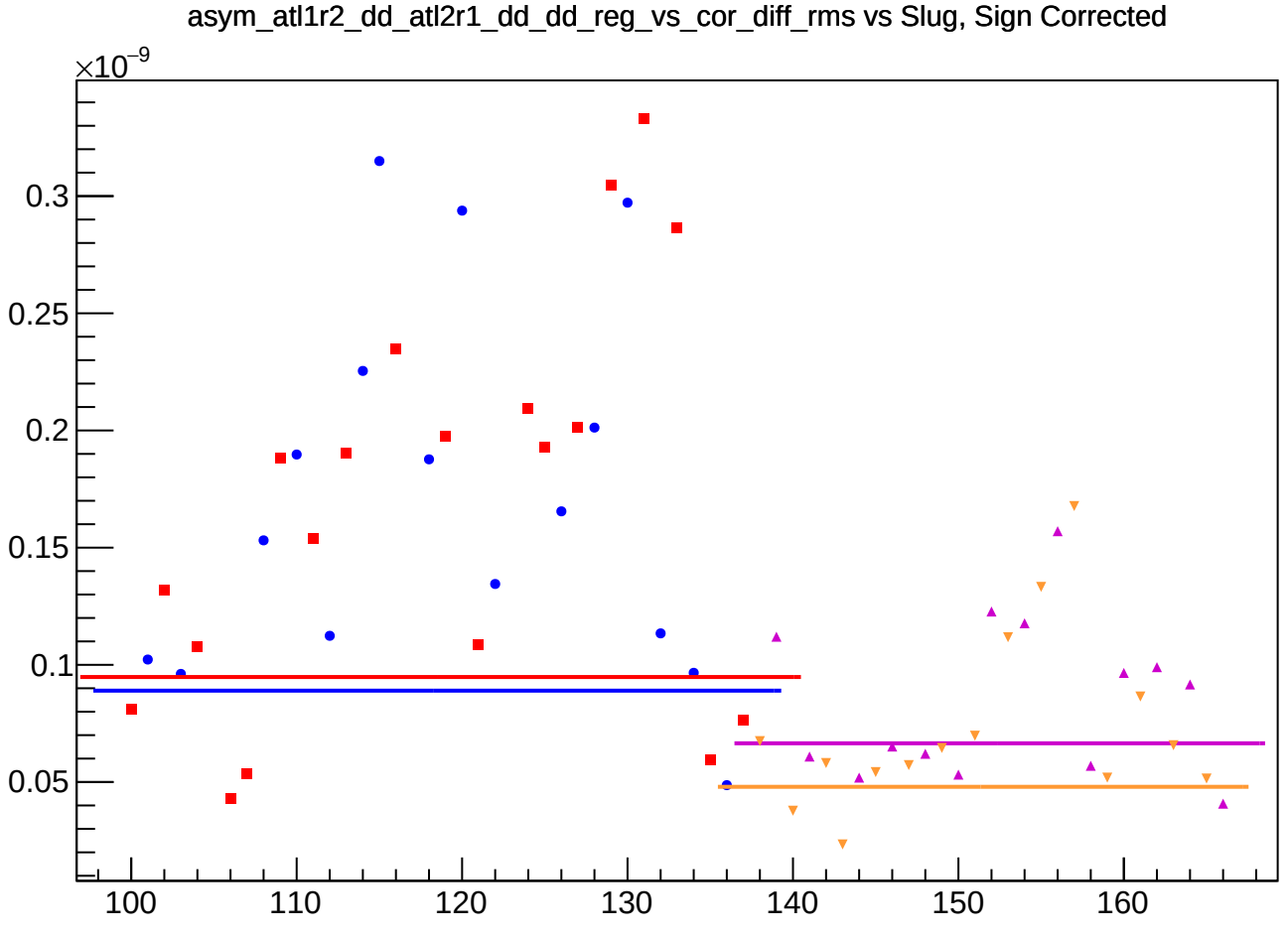
Left: 0.000+/-0.000 χ^2/NDF: 22.6/28

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:26.6/29

Out: 0.000+/-0.000 χ^2/NDF:29.6/33

All: 0.000+/-0.000 χ^2/NDF: 56.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1128190.6/13

Left: 0.000+/-0.000 χ^2/NDF: 3440102.0/28

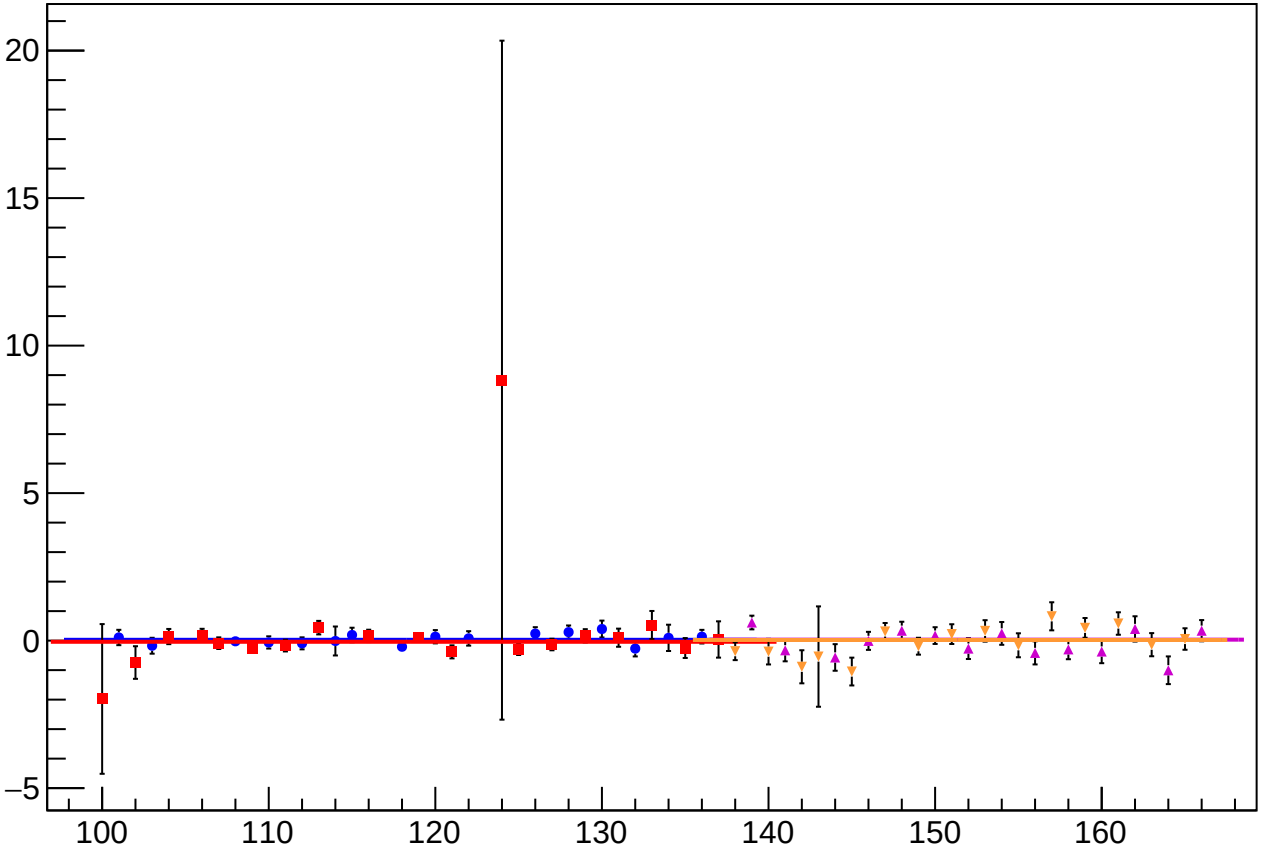
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2809987.2/29

Out: 0.000+/-0.000 χ^2/NDF:4574503.5/33

All: 0.000+/-0.000 χ^2/NDF: 7819972.9/63

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

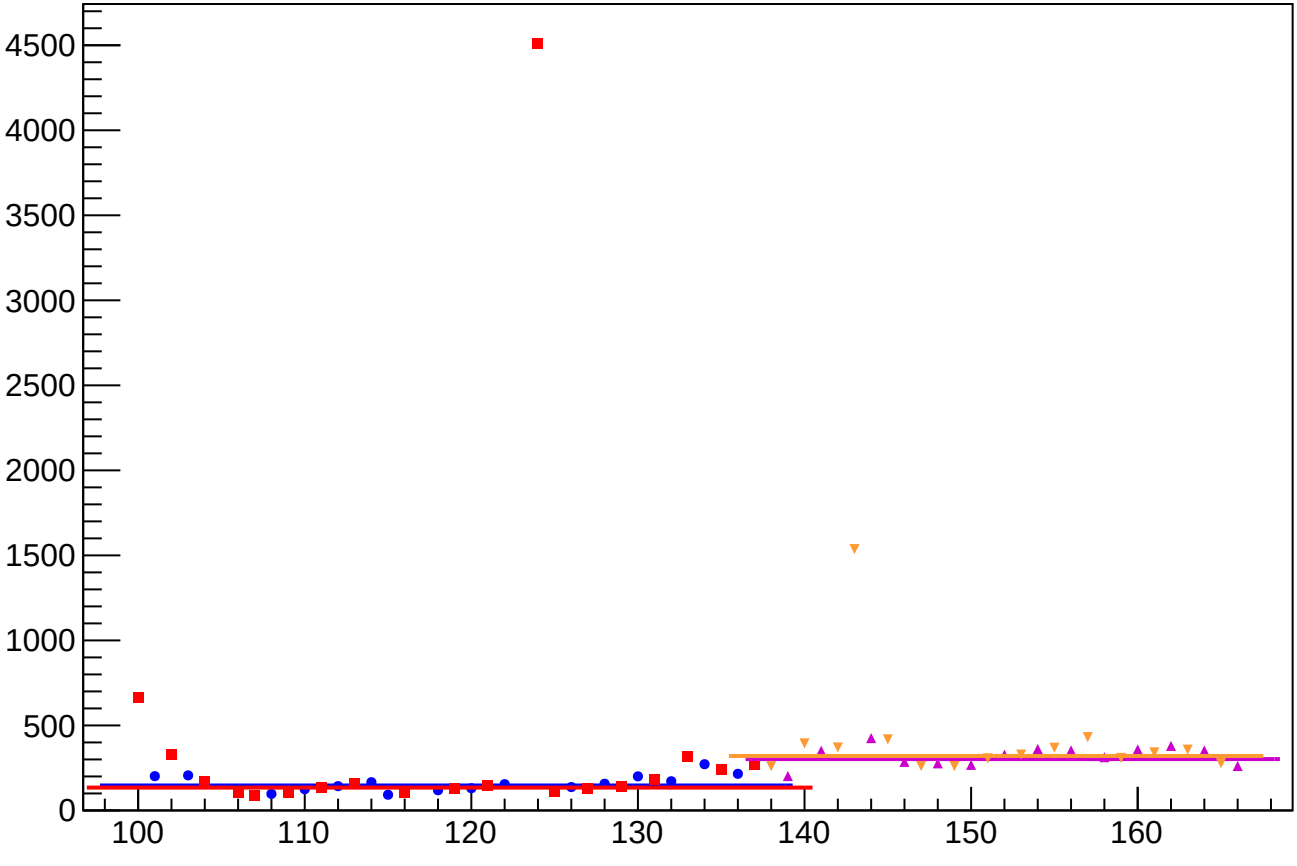
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

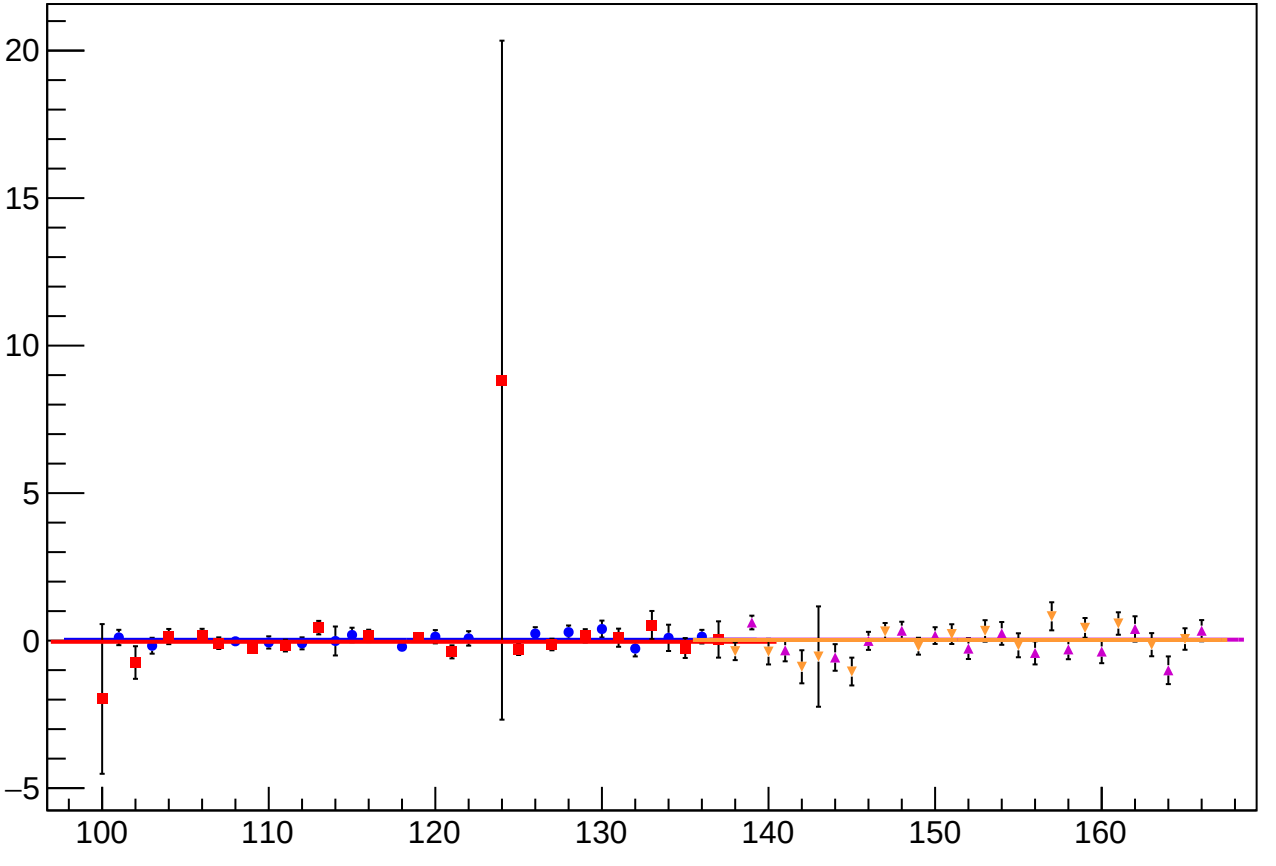
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.6/28

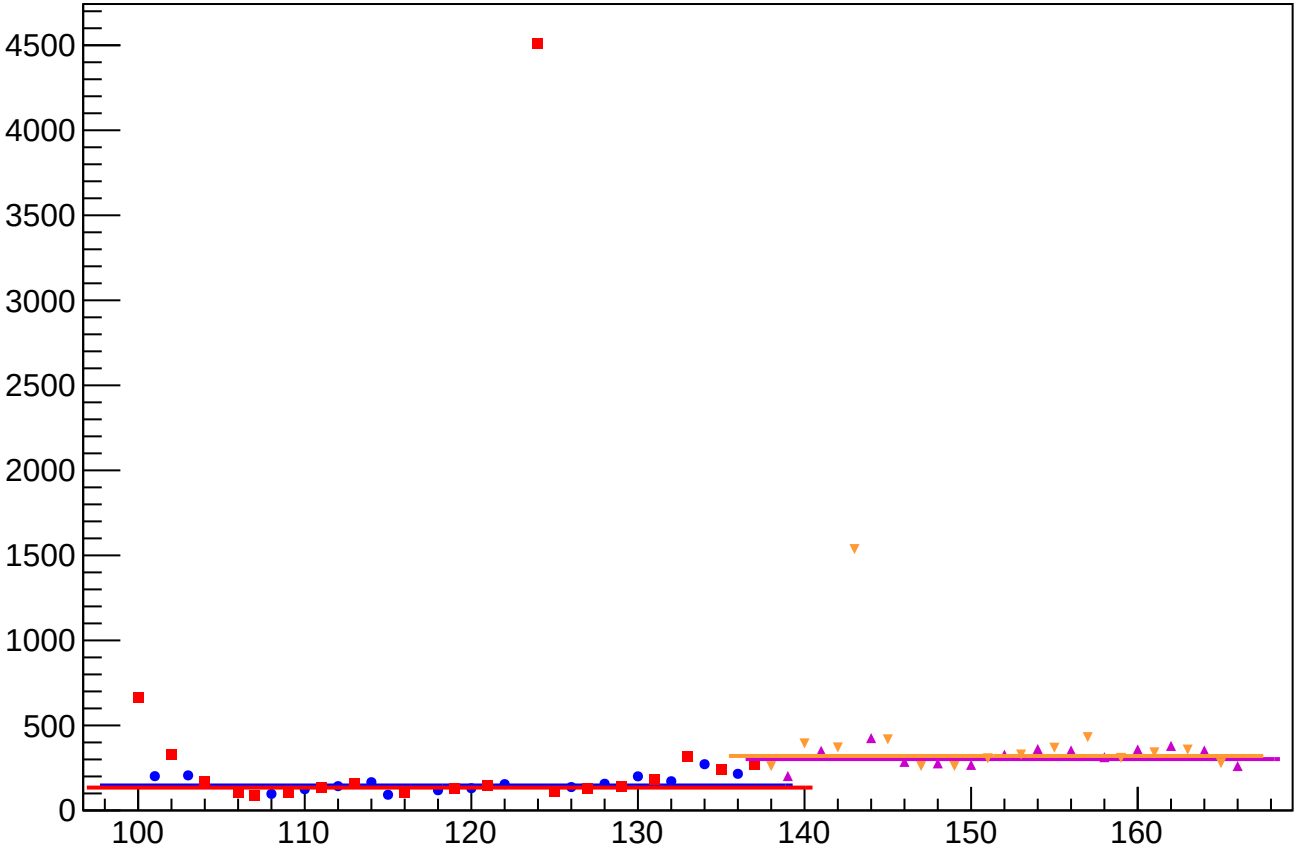
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.097+/-0.065 χ^2/NDF:849625.7/13

Left: 310.728+/-0.047 χ^2/NDF: 2512407.0/28

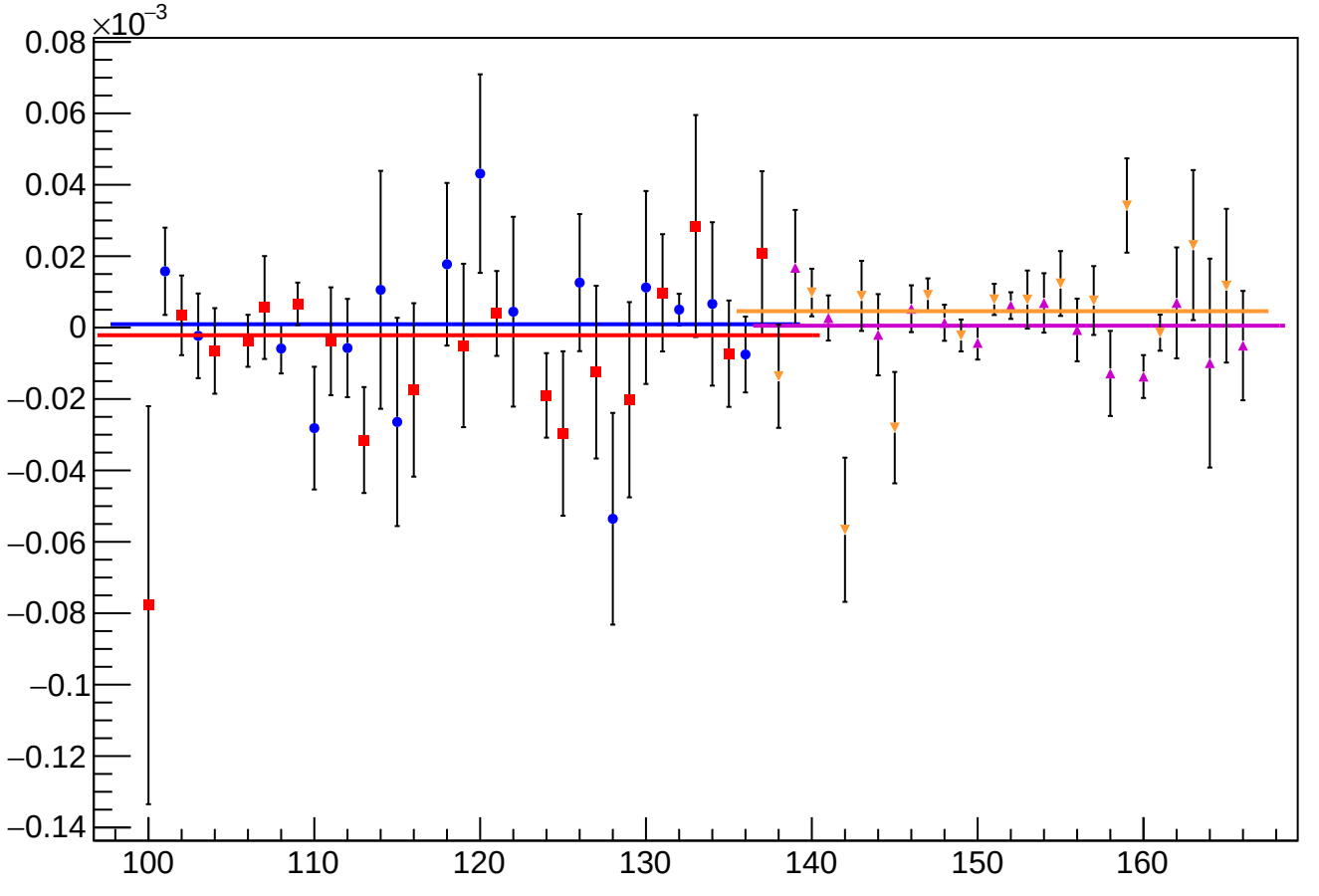
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 190.820+/-0.035 χ^2/NDF:5951209.9/29

Out: 179.189+/-0.034 χ^2/NDF:8769432.5/33

All: 184.872+/-0.024 χ^2/NDF: 14778624.6/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

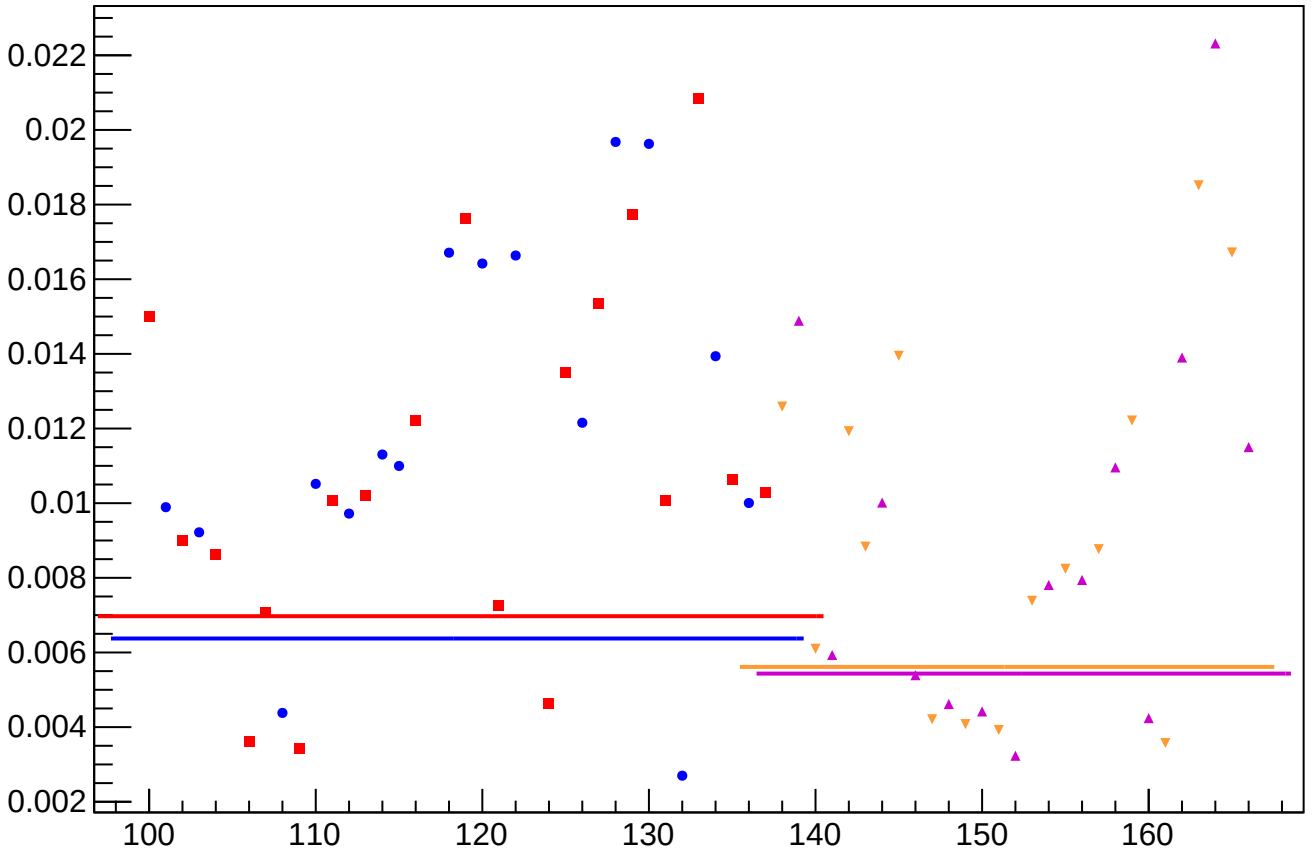
Left: 0.000+/-0.000 χ^2/NDF: 43.5/28

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/29

Out: 0.000+/-0.000 χ^2/NDF:47.8/33

All: 0.000+/-0.000 χ^2/NDF: 76.5/63



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4269470.8/13

Left: 0.006+/-0.000 χ^2/NDF: 9046781.6/28

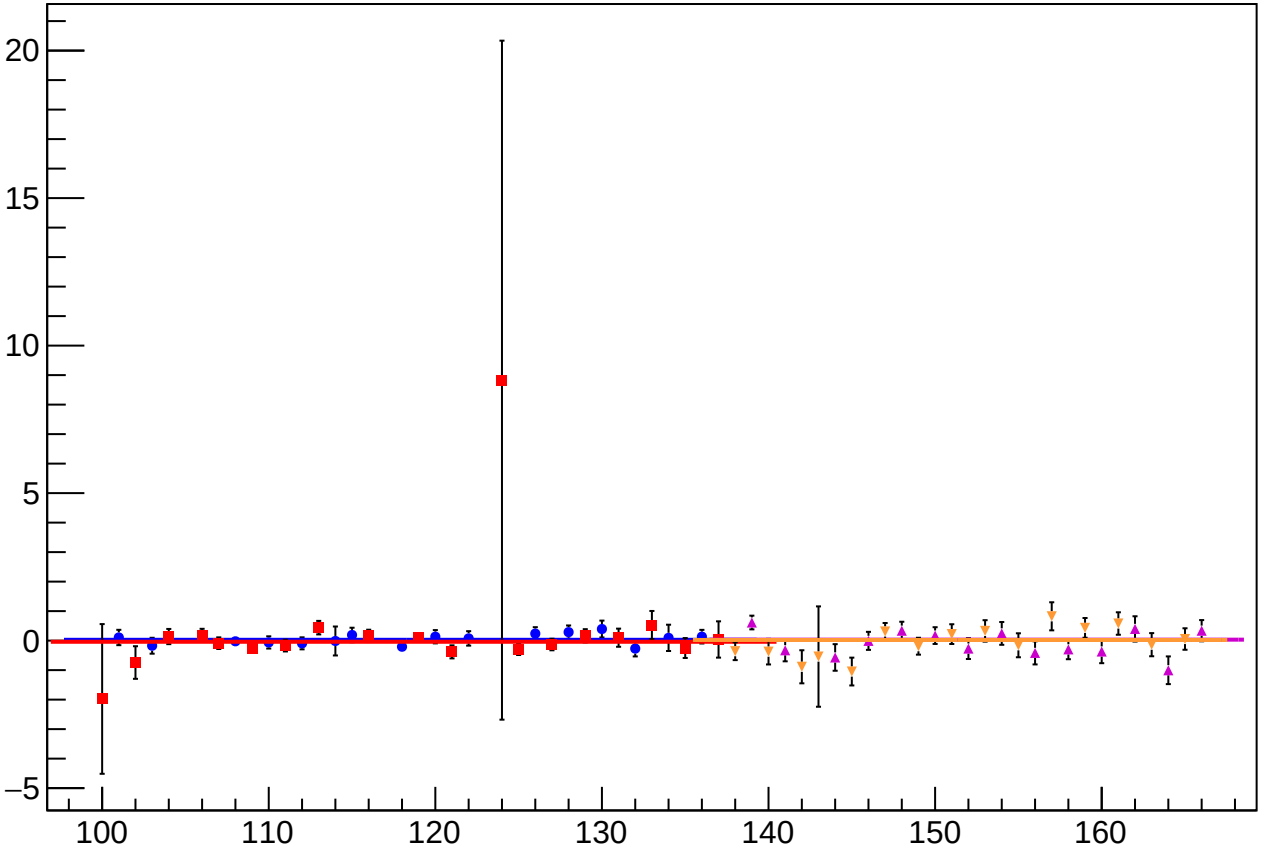
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9056088.5/29

Out: 0.006+/-0.000 χ^2/NDF:8470099.5/33

All: 0.006+/-0.000 χ^2/NDF: 17559769.8/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

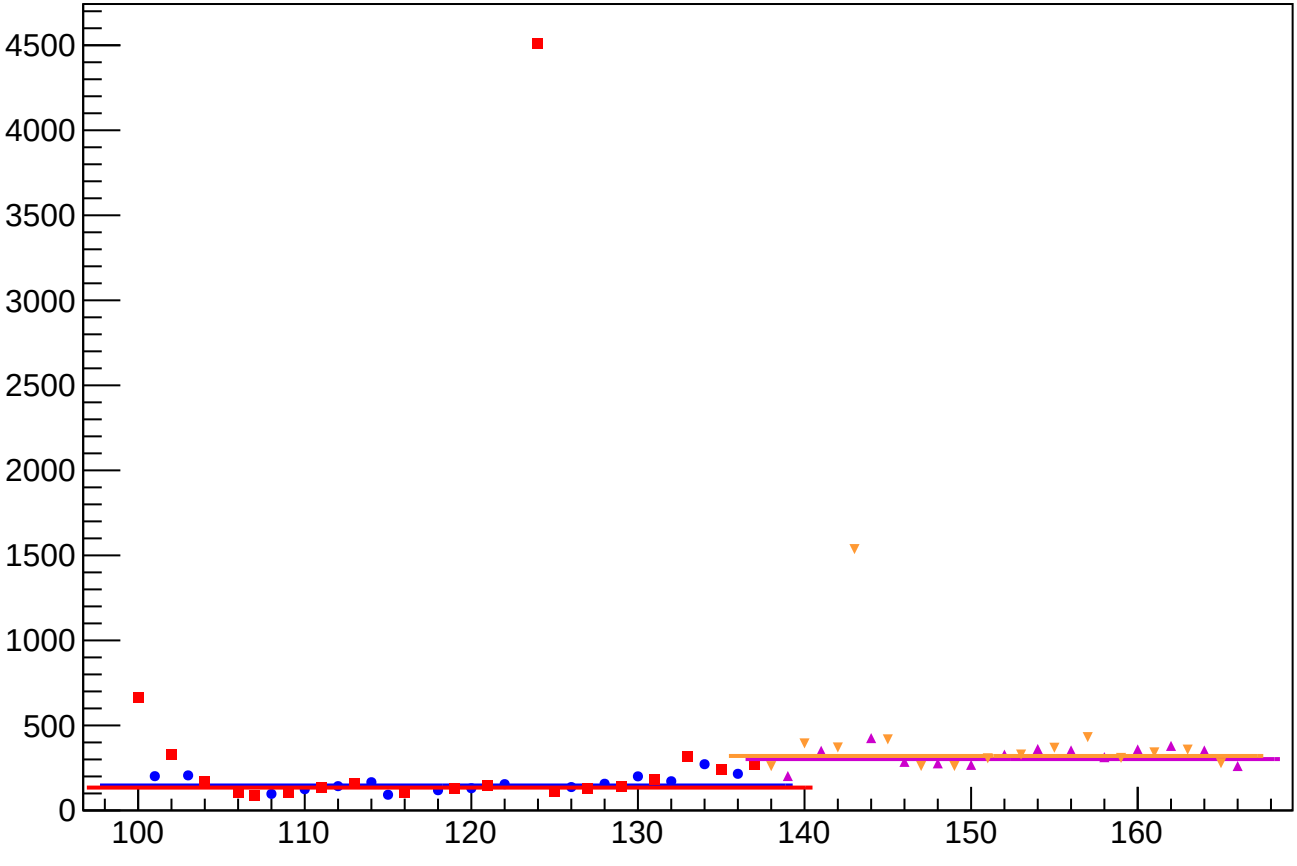
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

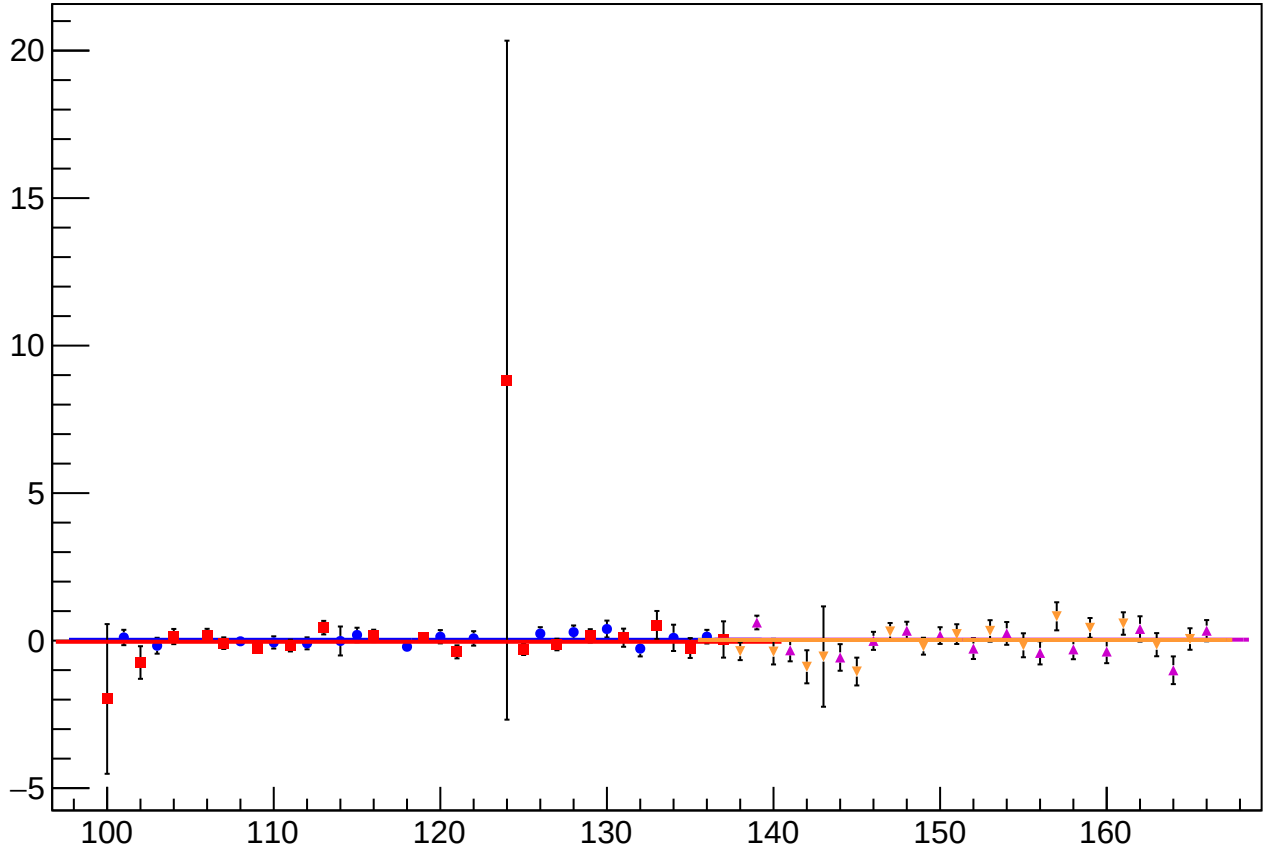
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.033+/-0.092 χ^2/NDF:20.9/13

Left: 0.028+/-0.067 χ^2/NDF: 40.7/28

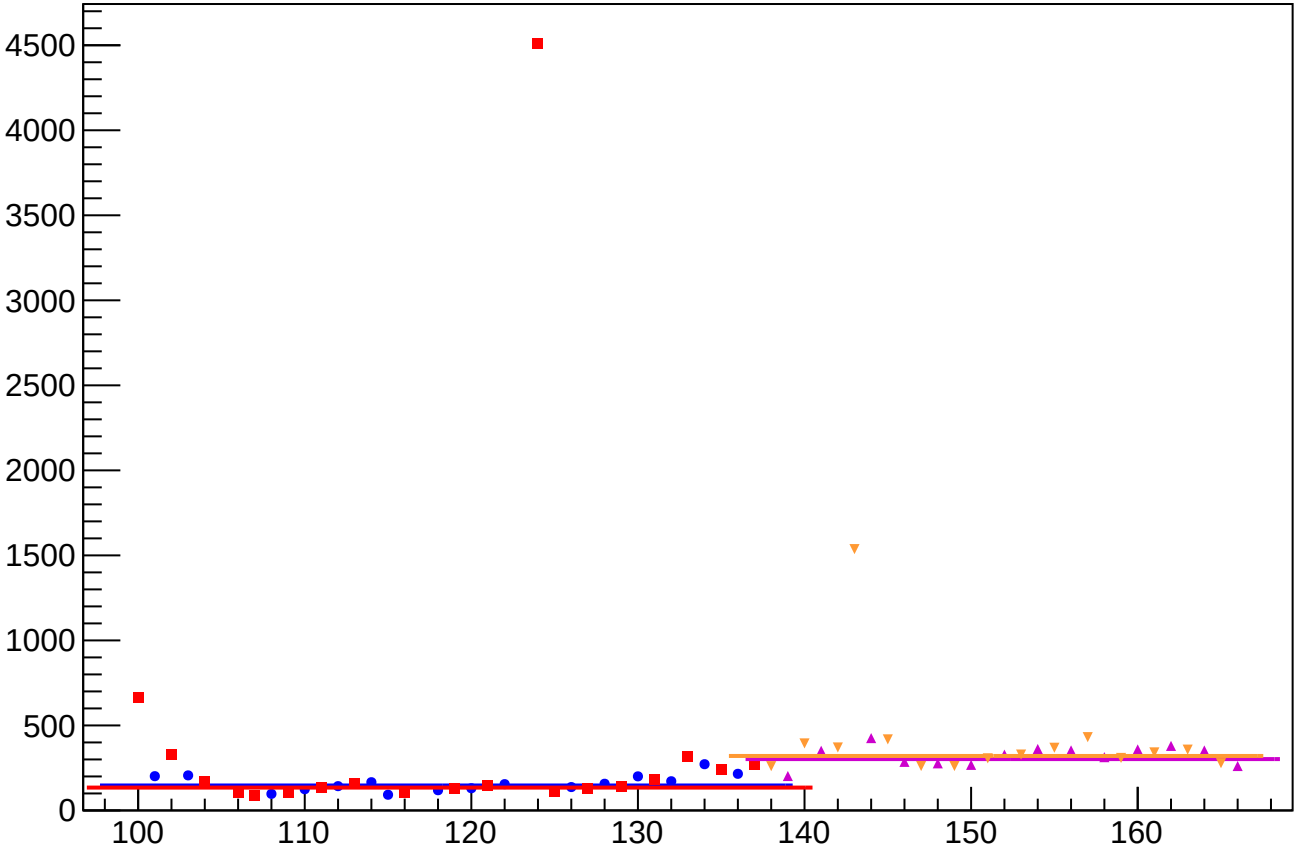
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.029+/-0.049 χ^2/NDF:30.3/29

Out: -0.024+/-0.048 χ^2/NDF:40.1/33

All: 0.002+/-0.034 χ^2/NDF: 71.0/63

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.102+/-0.065 χ^2/NDF:849621.2/13

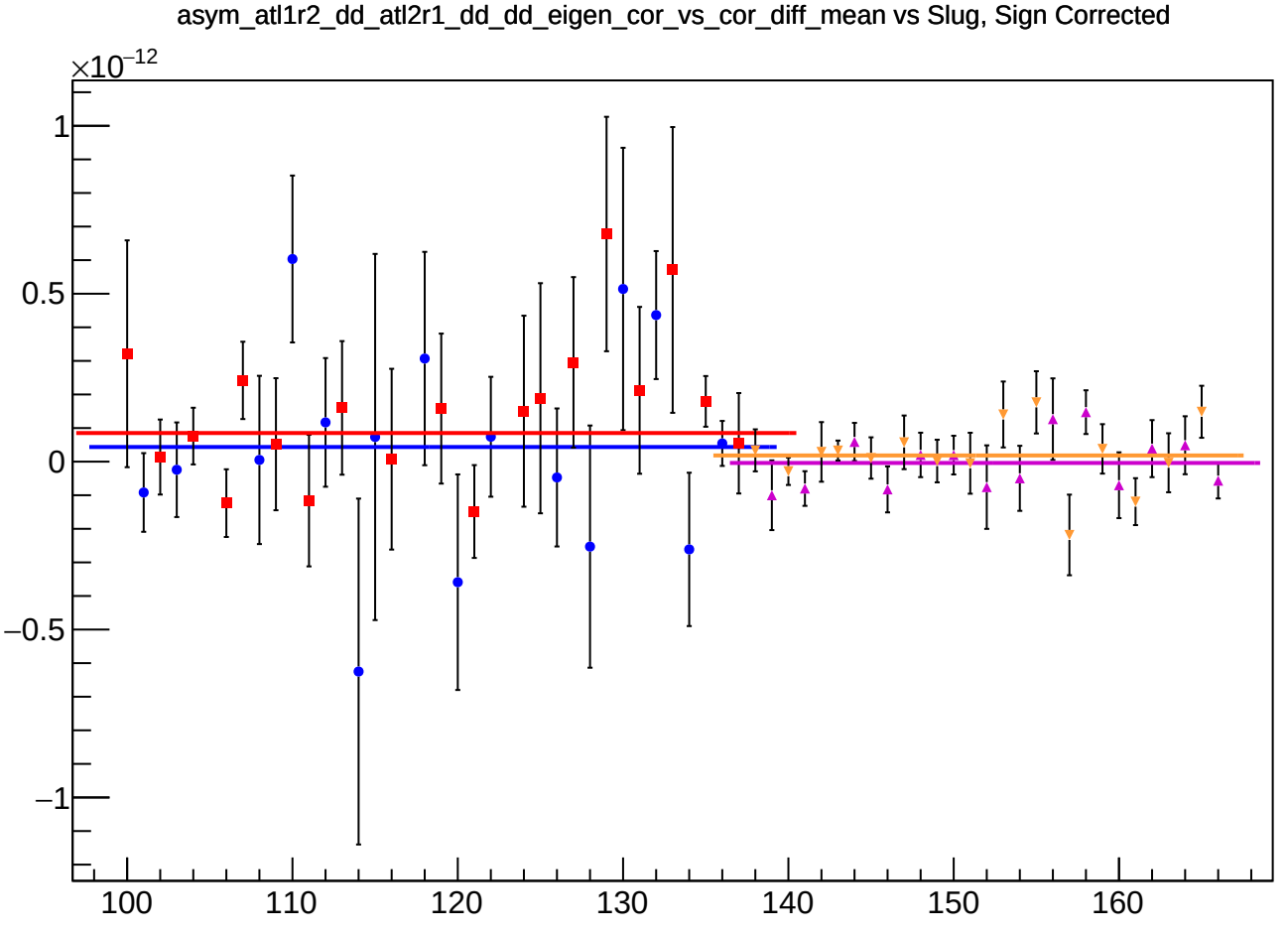
Left: 310.732+/-0.047 χ^2/NDF: 2512405.1/28

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 190.820+/-0.035 χ^2/NDF:5951299.5/29

Out: 179.191+/-0.034 χ^2/NDF:8769427.6/33

All: 184.873+/-0.024 χ^2/NDF: 14778694.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

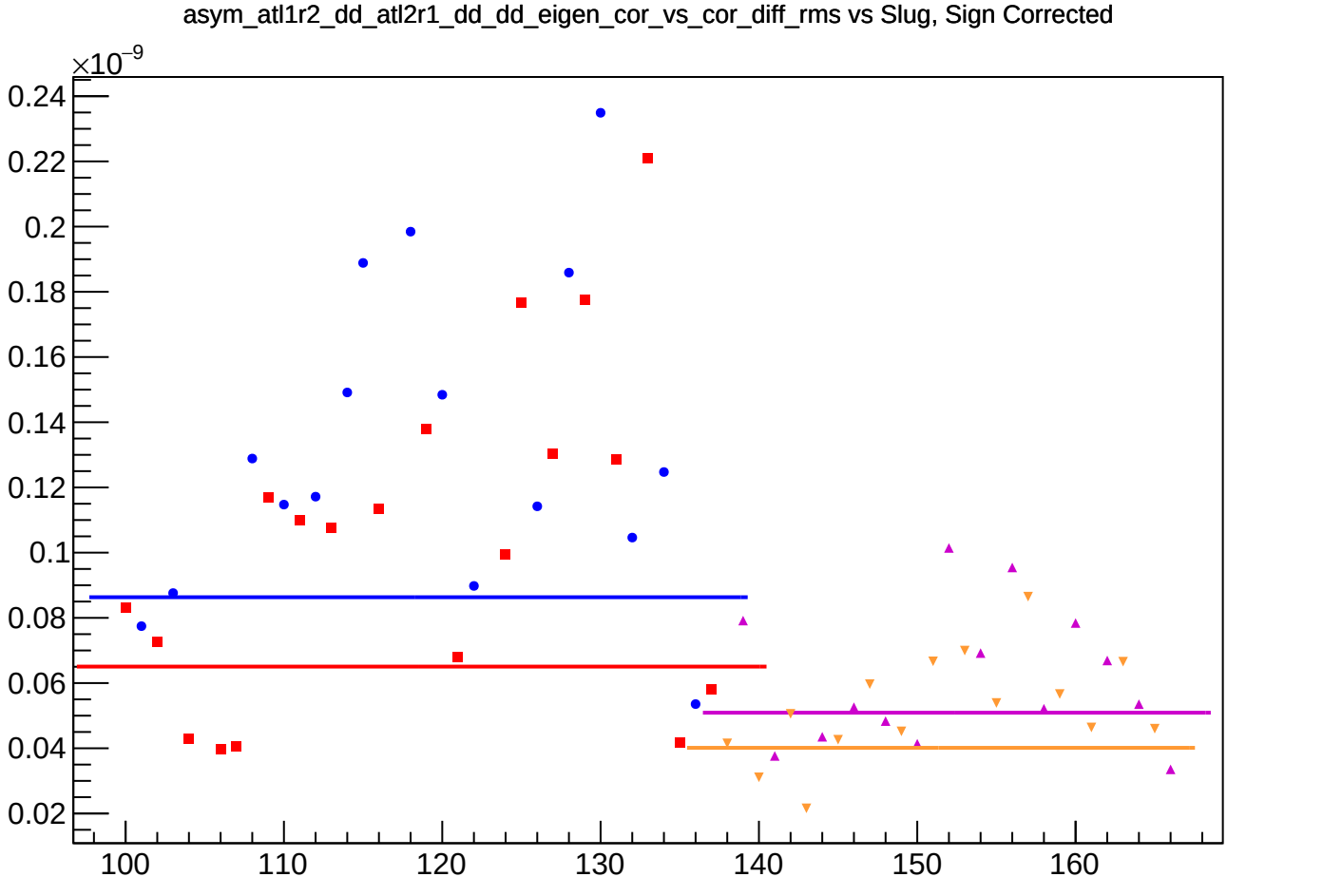
Left: 0.000+/-0.000 χ^2/NDF: 33.1/28

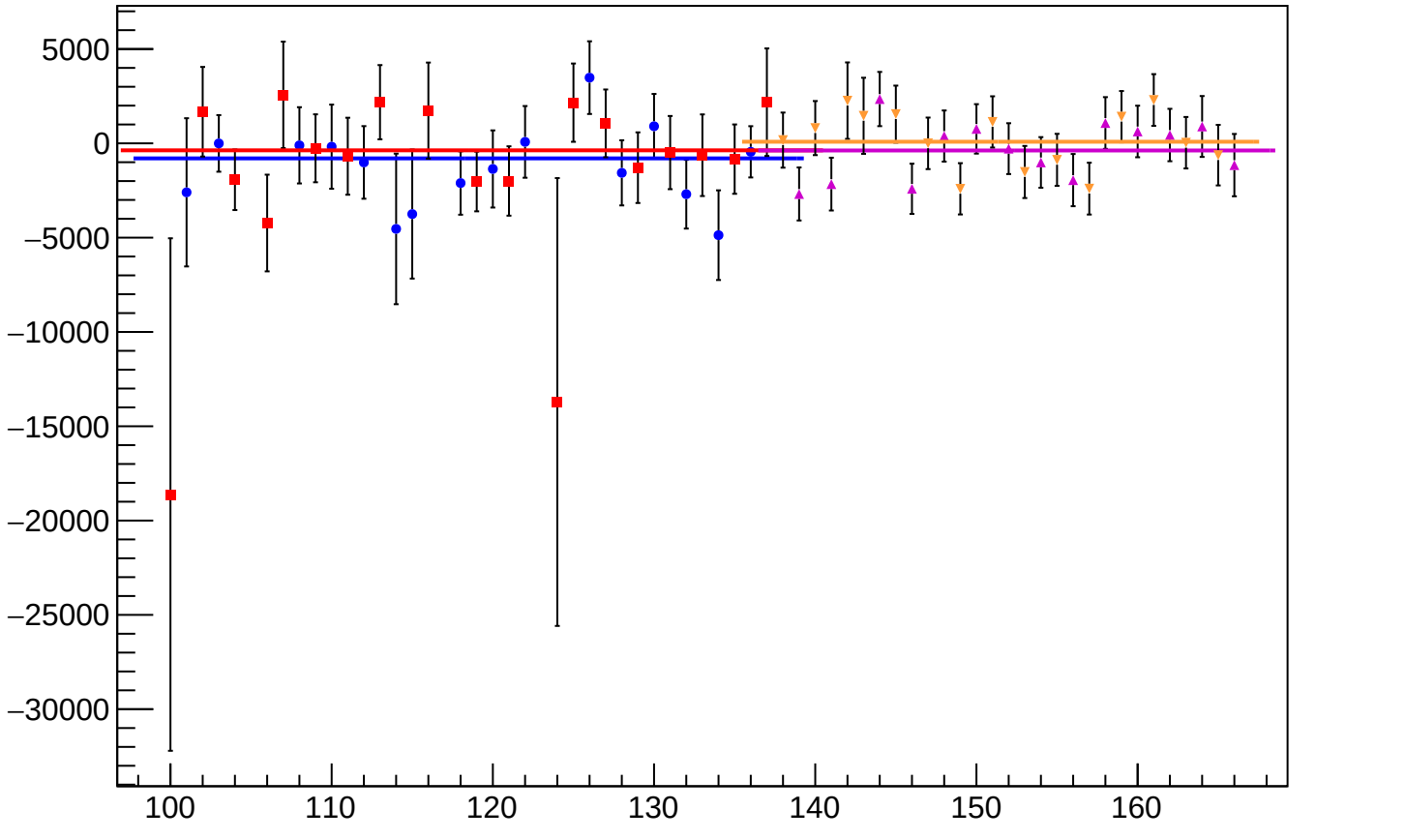
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/29

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.9/63


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2052820.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:1490918.5/13
Left: 0.000+/-0.000 χ²/NDF: 3915924.4/28
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:4200915.6/29
Out: 0.000+/-0.000 χ²/NDF:5080077.4/33
All: 0.000+/-0.000 χ²/NDF: 9857416.4/63



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -377.870+/-373.839 χ^2/NDF:15.7/13

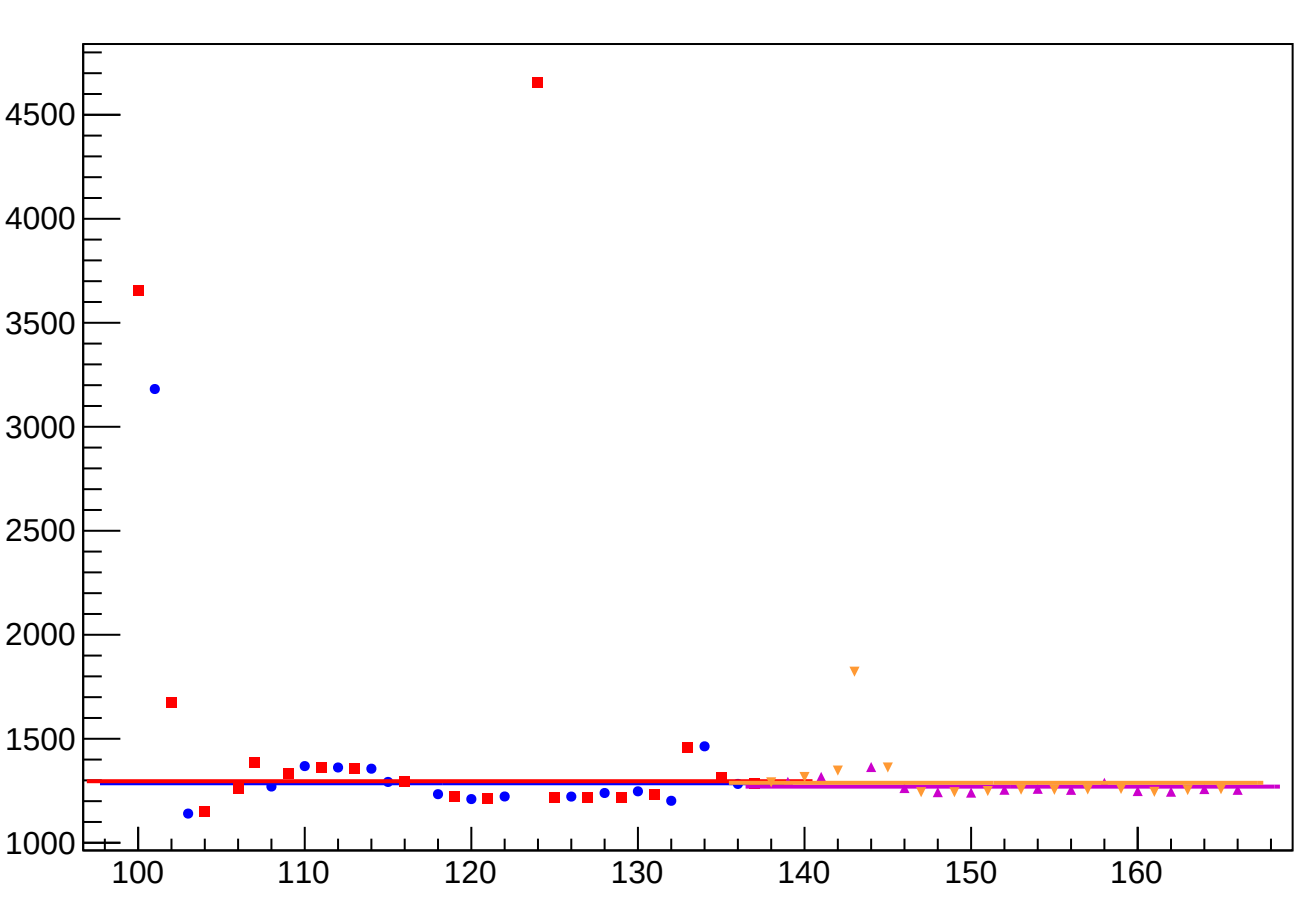
Left: -147.380+/-265.054 χ^2/NDF: 32.1/28

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -533.198+/-296.645 χ^2/NDF:29.6/29

Out: -84.990+/-297.276 χ^2/NDF:31.8/33

All: -309.571+/-209.982 χ^2/NDF: 62.5/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

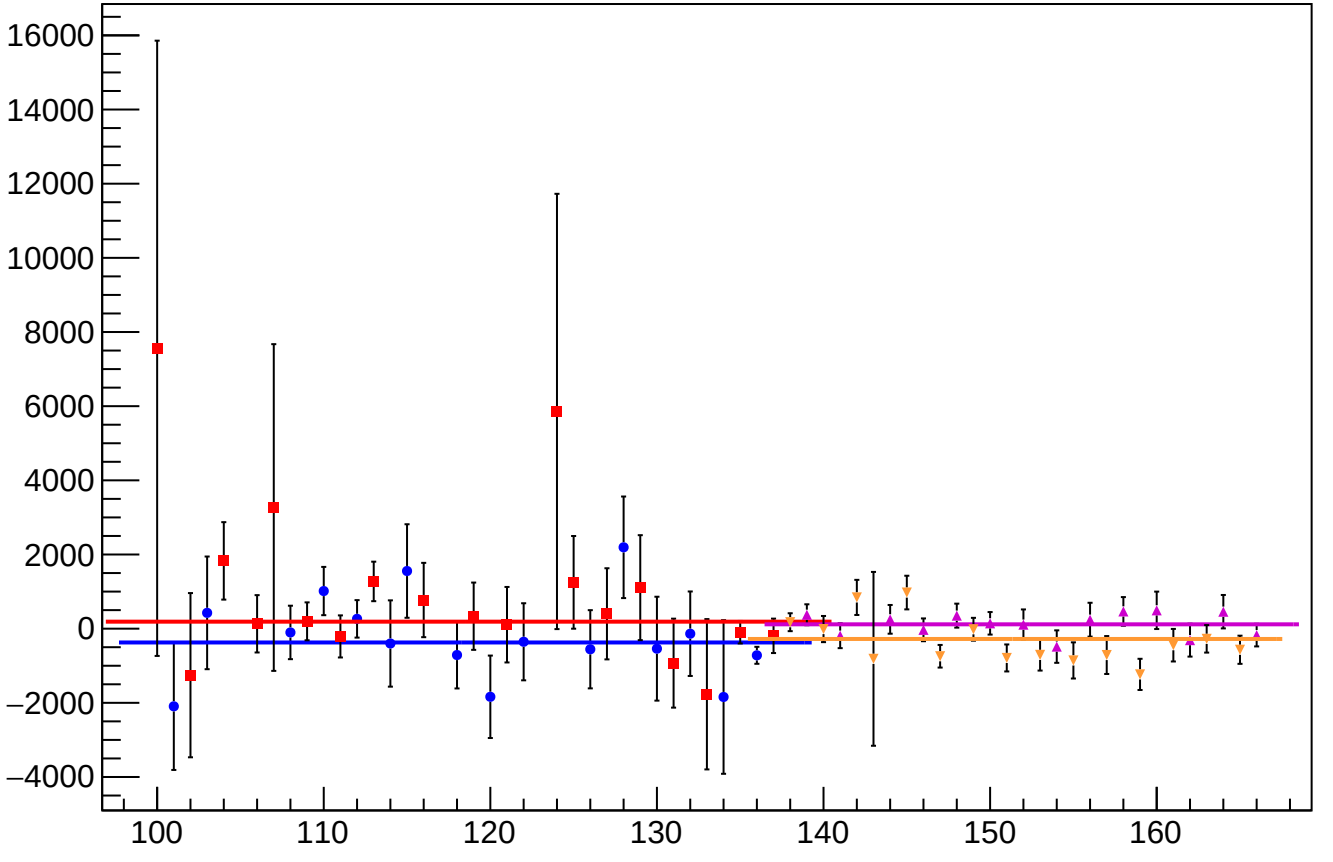
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1275.923+/-0.210 χ^2/NDF:535012.5/29

Out: 1291.119+/-0.210 χ^2/NDF:490442.4/33

All: 1283.505+/-0.148 χ^2/NDF: 1028073.3/63

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -277.637+/-98.911 χ^2/NDF:31.4/14

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 117.124+/-96.923 χ^2/NDF:8.3/13

Left: -76.249+/-69.227 χ^2/NDF: 47.8/28

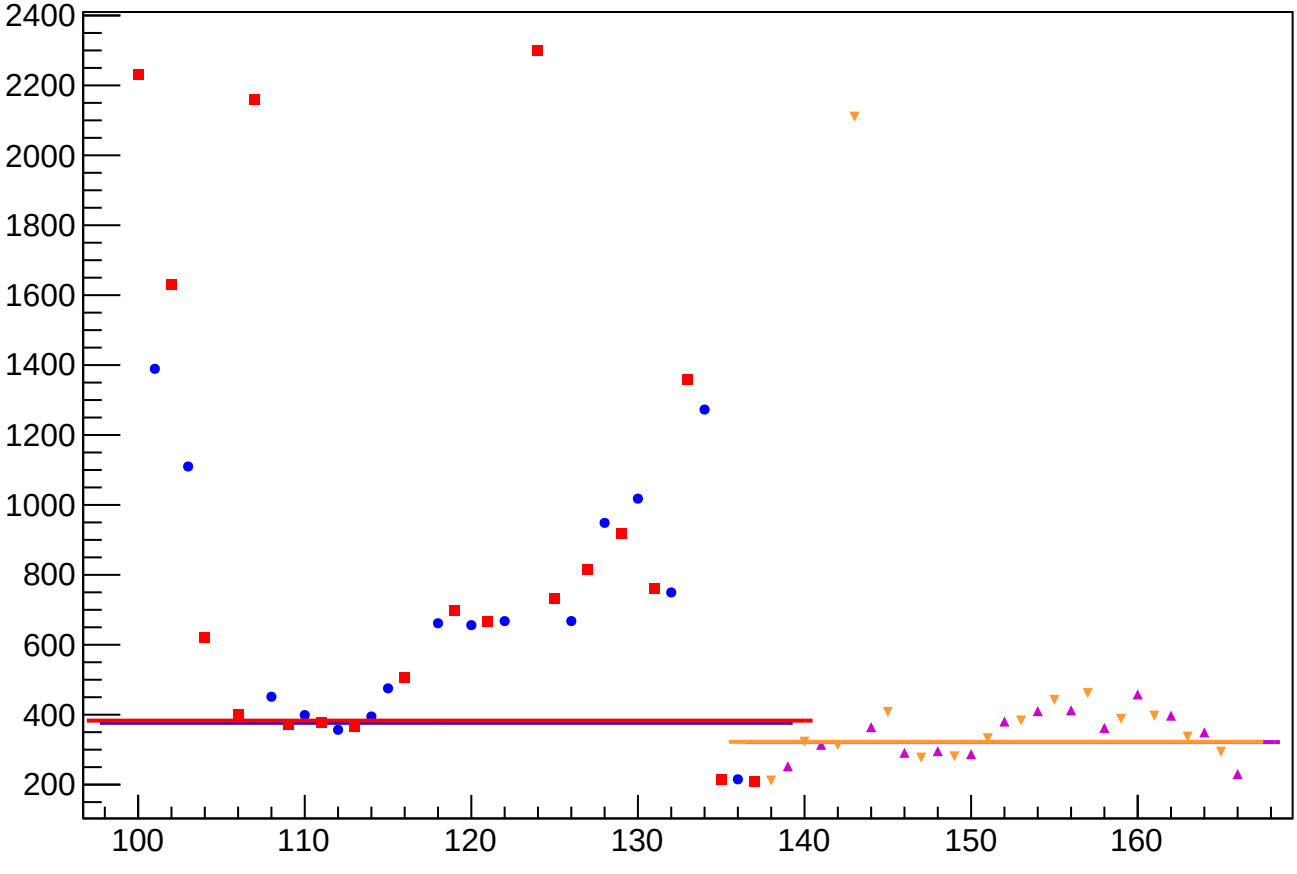
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.880+/-83.979 χ^2/NDF:32.8/29

Out: -159.193+/-85.439 χ^2/NDF:51.7/33

All: -80.706+/-59.891 χ^2/NDF: 86.2/63

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 322.357+/-0.070 χ^2/NDF:2170940.0/14

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 321.695+/-0.069 χ^2/NDF:818237.7/13

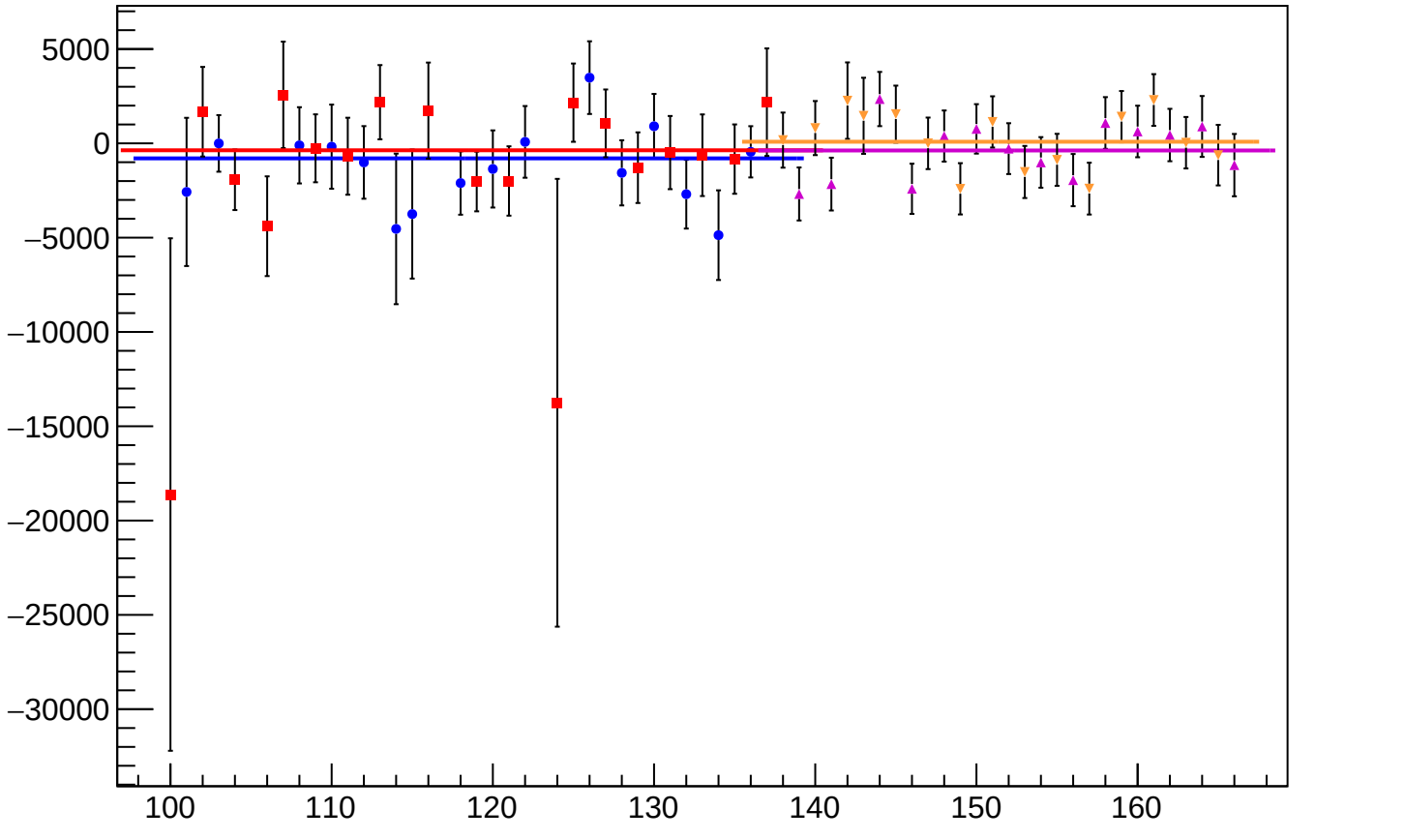
Left: 322.019+/-0.049 χ^2/NDF: 2989223.4/28

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.454+/-0.059 χ^2/NDF:5170124.0/29

Out: 337.770+/-0.060 χ^2/NDF:6416375.0/33

All: 336.592+/-0.042 χ^2/NDF: 11587246.8/63



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

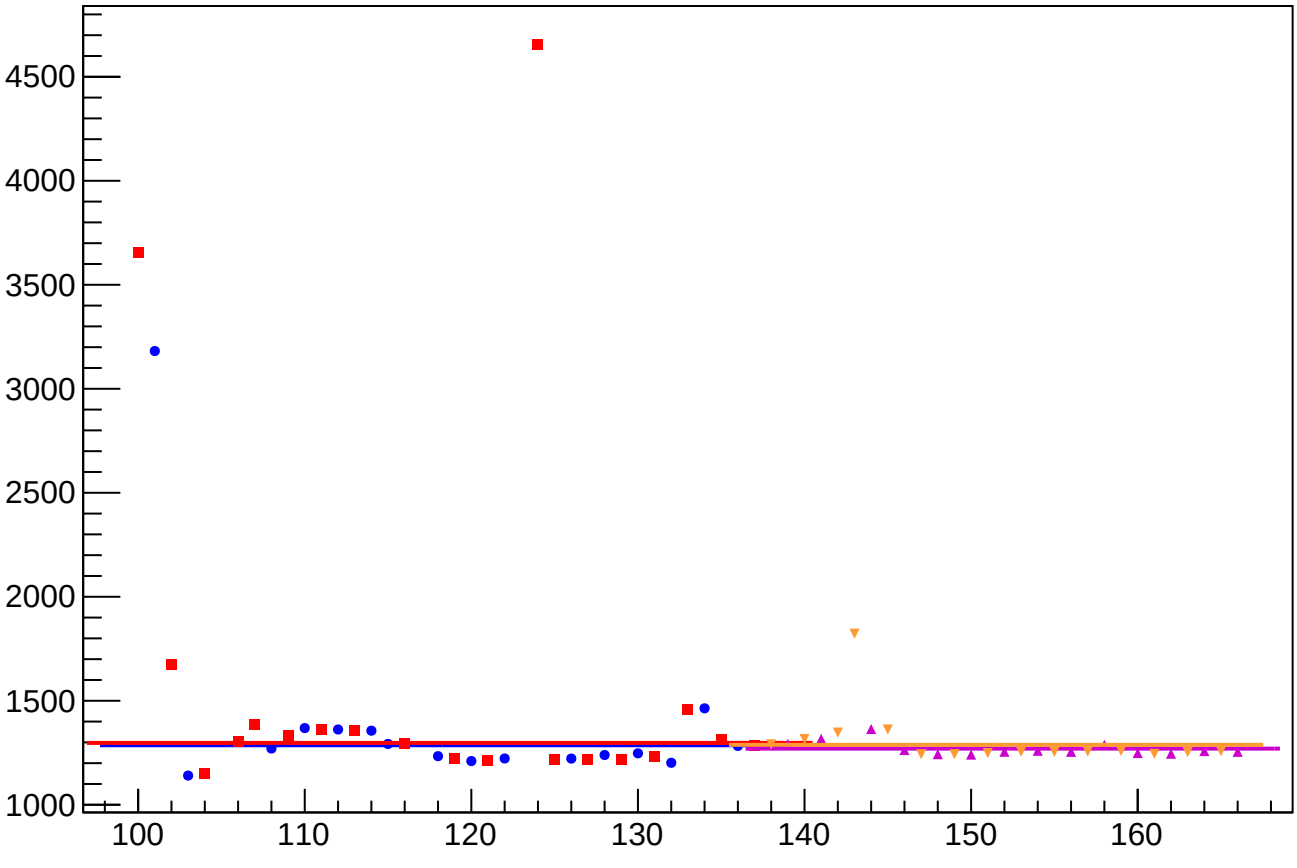
Left: -147.321+/-265.054 χ^2/NDF: 32.1/28

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -308.962+/-210.024 χ^2/NDF: 62.6/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

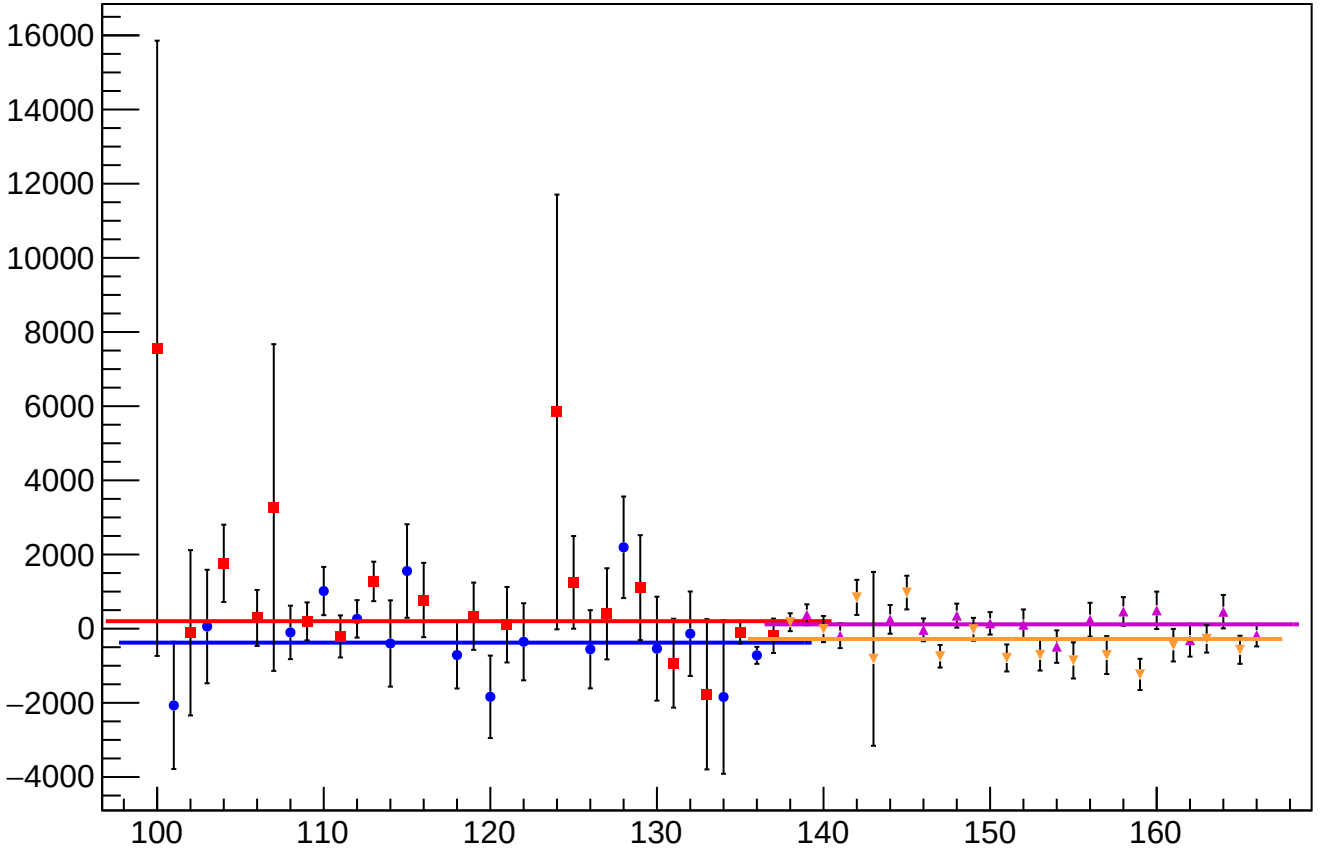
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1283.770+/-0.149 χ^2/NDF: 1028063.5/63

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -76.233+/-69.228 χ^2/NDF: 47.8/28

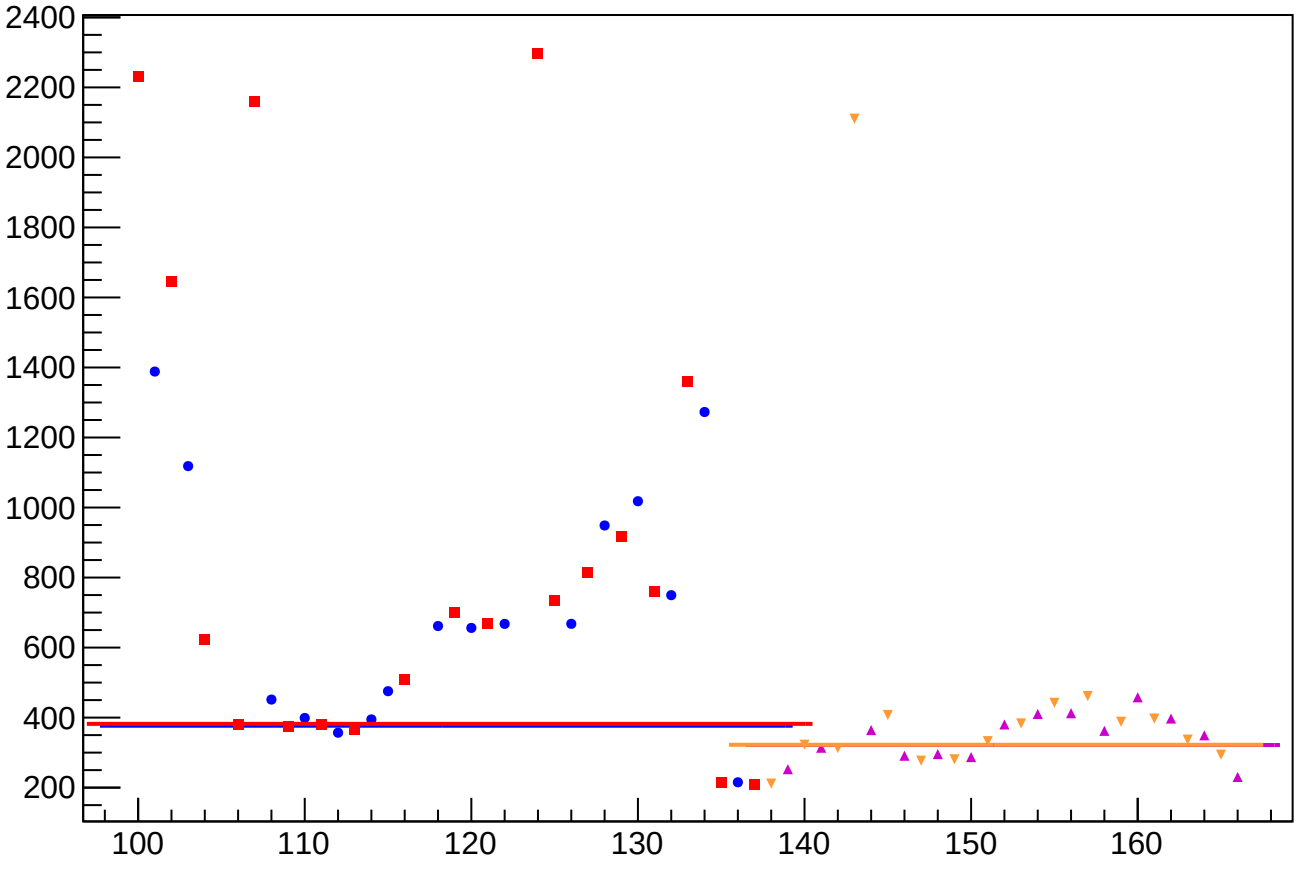
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -79.520+/-59.884 χ^2/NDF: 85.7/63

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

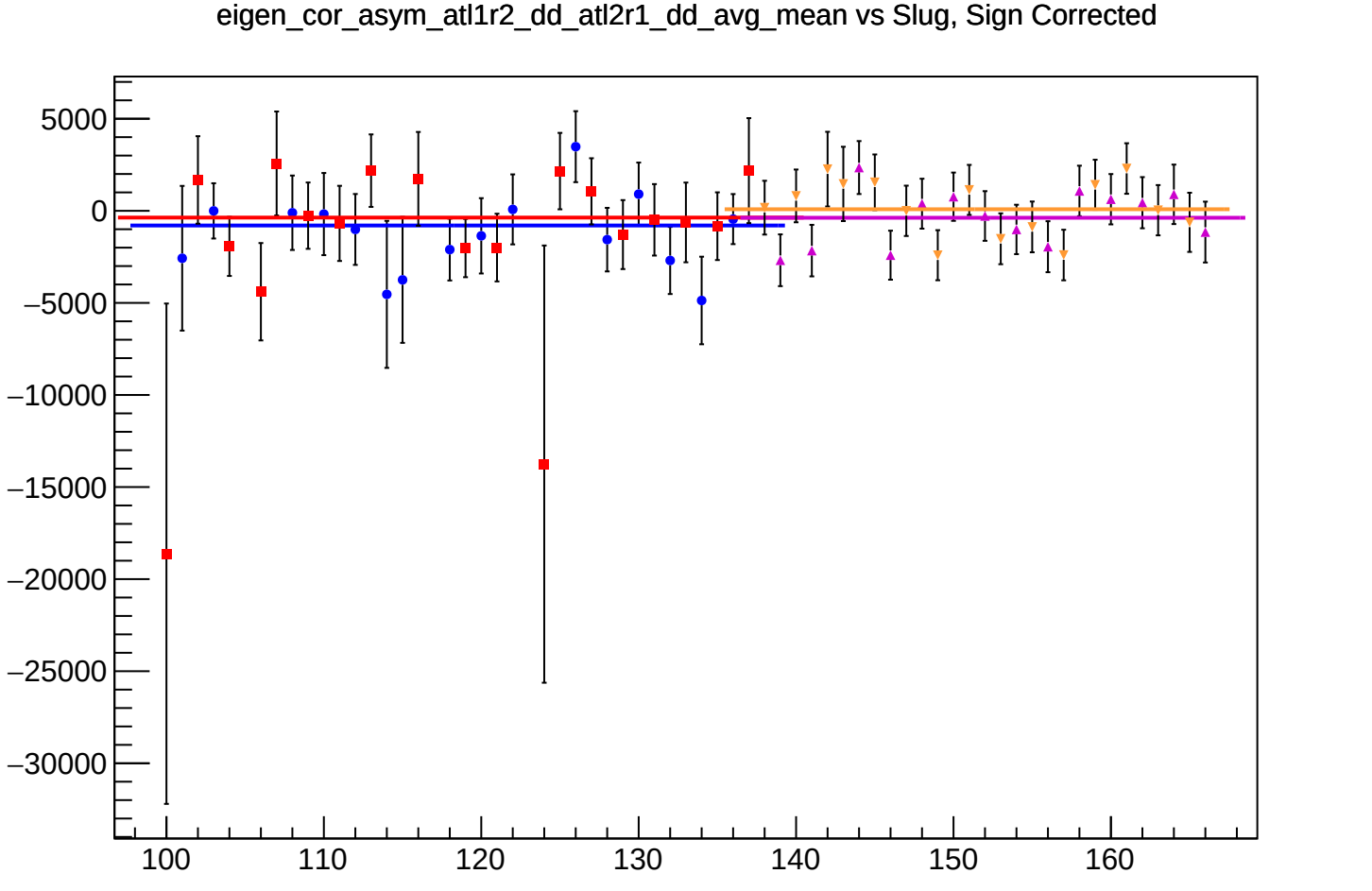
Left: 322.022+/-0.049 χ^2/NDF: 2989240.2/28

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 336.489+/-0.042 χ^2/NDF: 11590091.4/63



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -377.818+/-373.839 χ^2/NDF:15.7/13

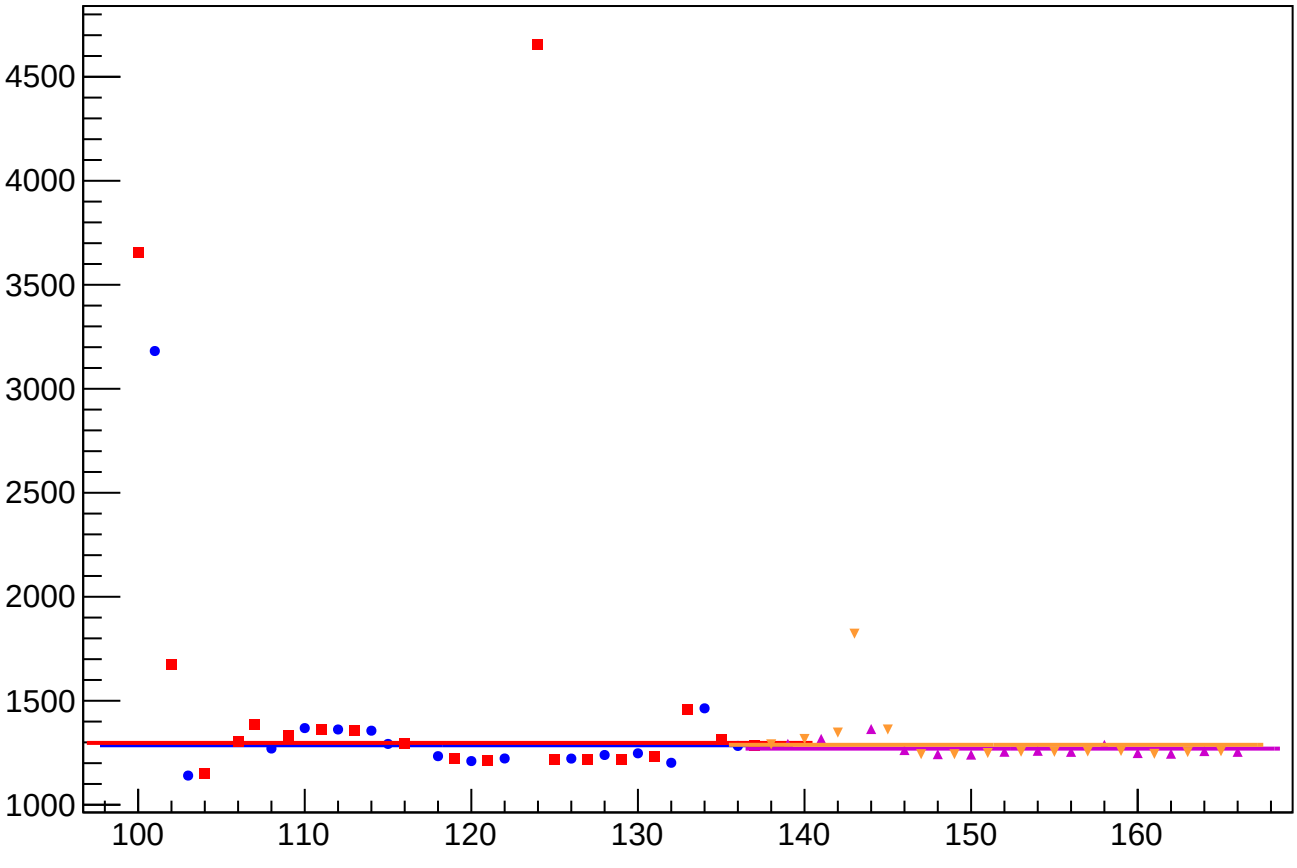
Left: -147.321+/-265.054 χ^2/NDF: 32.1/28

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -533.017+/-296.645 χ^2/NDF:29.6/29

Out: -83.771+/-297.396 χ^2/NDF:31.9/33

All: -308.962+/-210.024 χ^2/NDF: 62.6/63



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1269.939+/-0.264 χ^2/NDF:15501.8/13

Left: 1279.036+/-0.187 χ^2/NDF: 179940.4/28

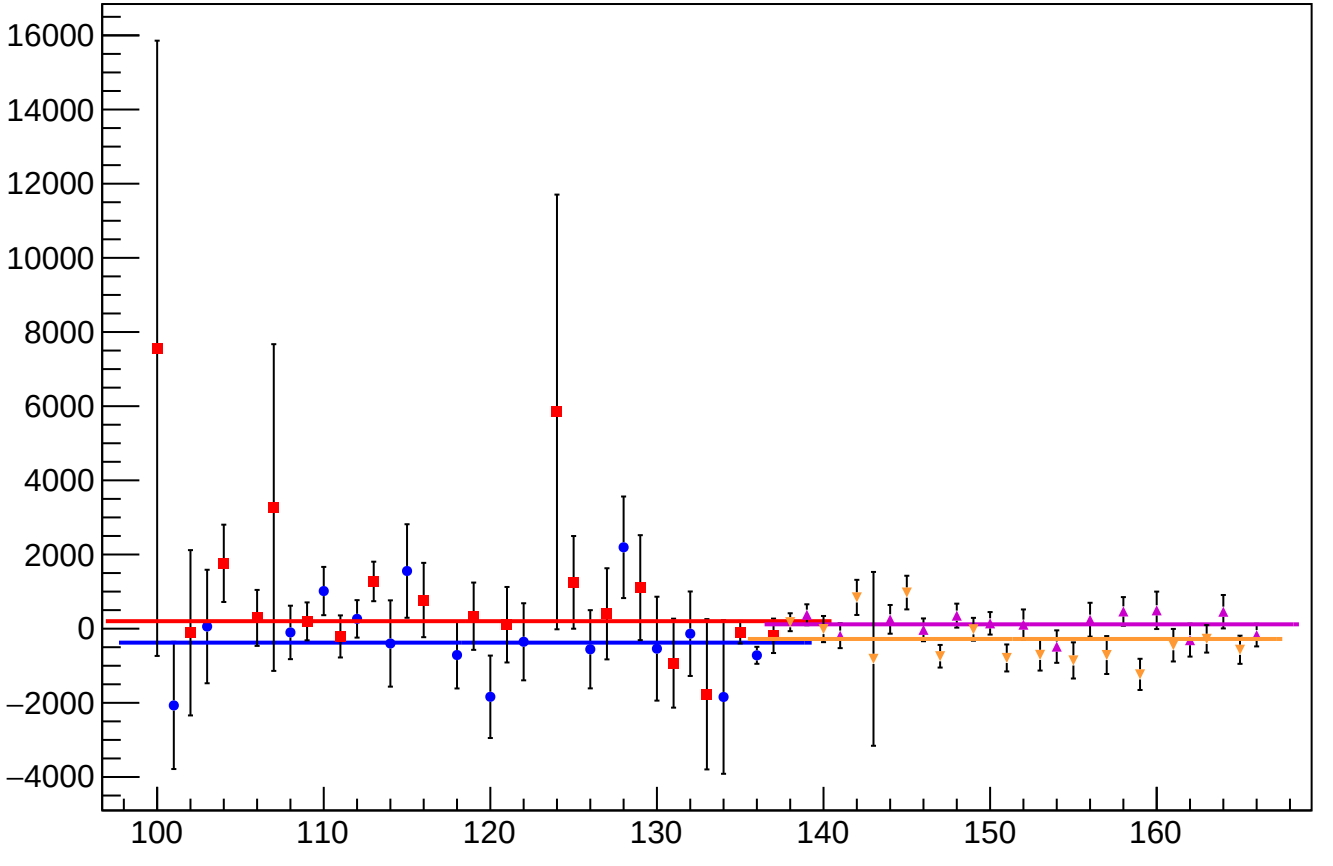
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1275.923+/-0.210 χ^2/NDF:535013.9/29

Out: 1291.657+/-0.210 χ^2/NDF:490243.3/33

All: 1283.770+/-0.149 χ^2/NDF: 1028063.5/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 117.149+/-96.923 χ^2/NDF:8.3/13

Left: -76.233+/-69.228 χ^2/NDF: 47.8/28

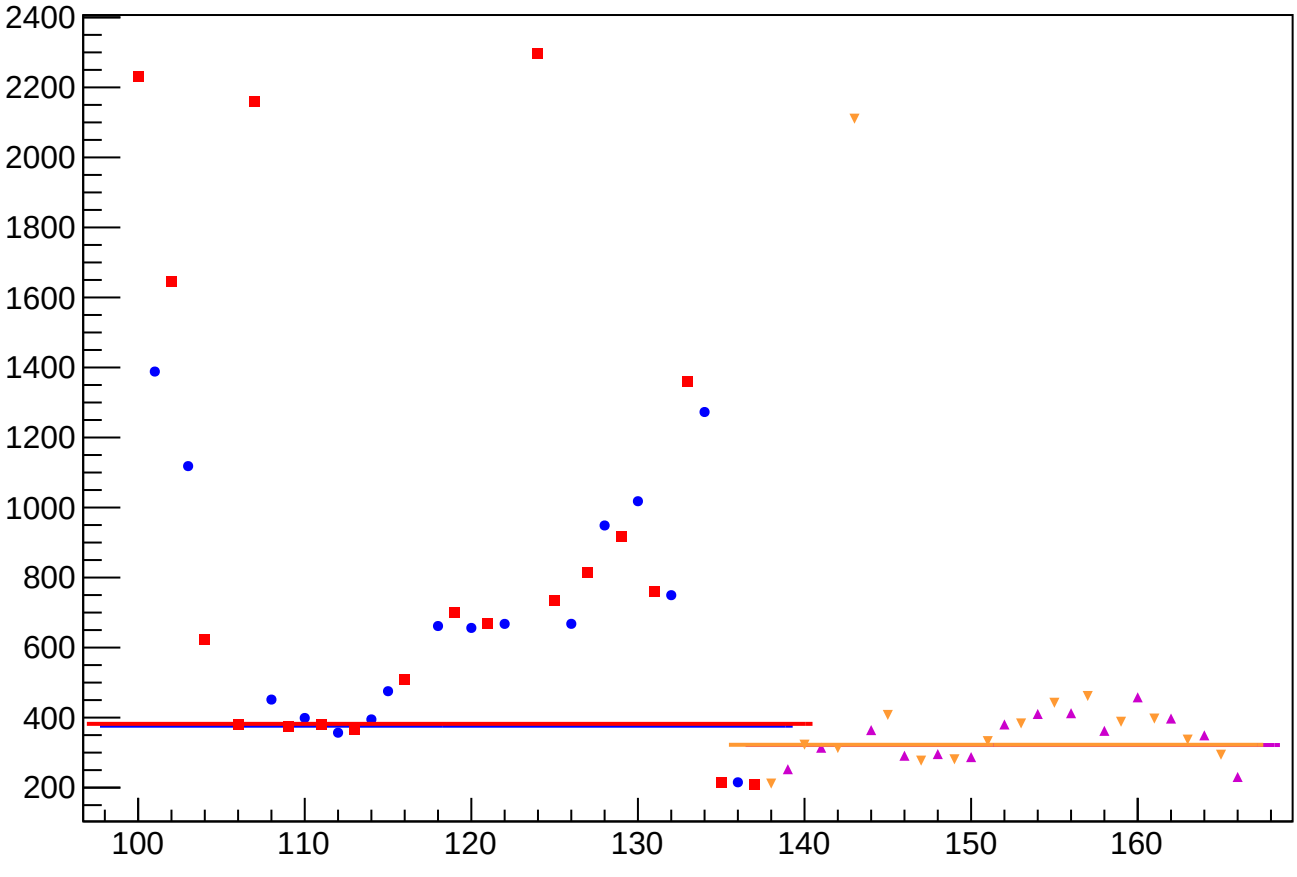
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.947+/-83.981 χ^2/NDF:32.7/29

Out: -155.627+/-85.415 χ^2/NDF:51.5/33

All: -79.520+/-59.884 χ^2/NDF: 85.7/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 321.694+/-0.069 χ^2/NDF:818347.2/13

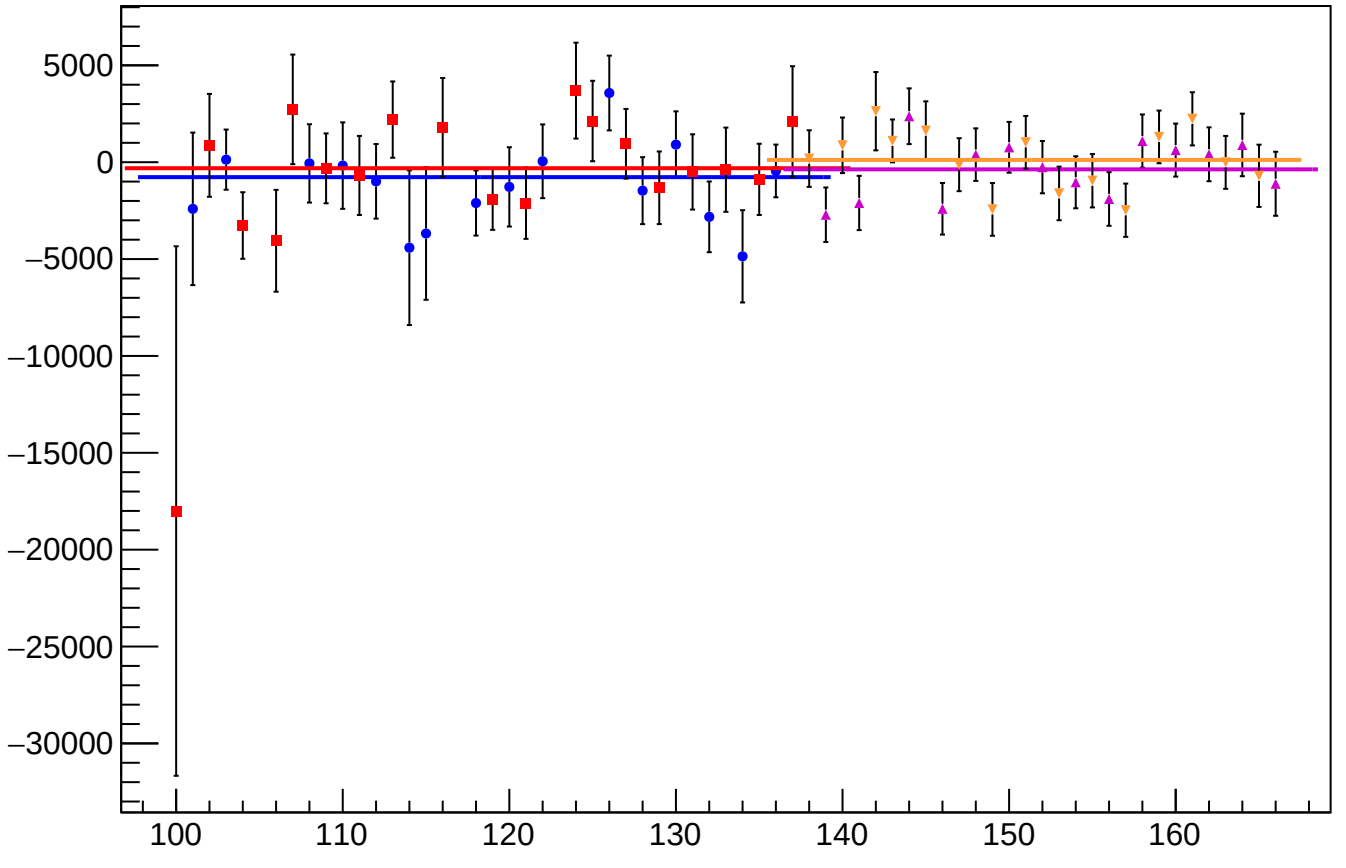
Left: 322.022+/-0.049 χ^2/NDF: 2989240.2/28

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.449+/-0.059 χ^2/NDF:5173290.6/29

Out: 337.564+/-0.060 χ^2/NDF:6416177.2/33

All: 336.489+/-0.042 χ^2/NDF: 11590091.4/63



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.255+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -369.436+/-374.124 χ^2/NDF:15.6/13

Left: -117.924+/-260.069 χ^2/NDF: 33.2/28

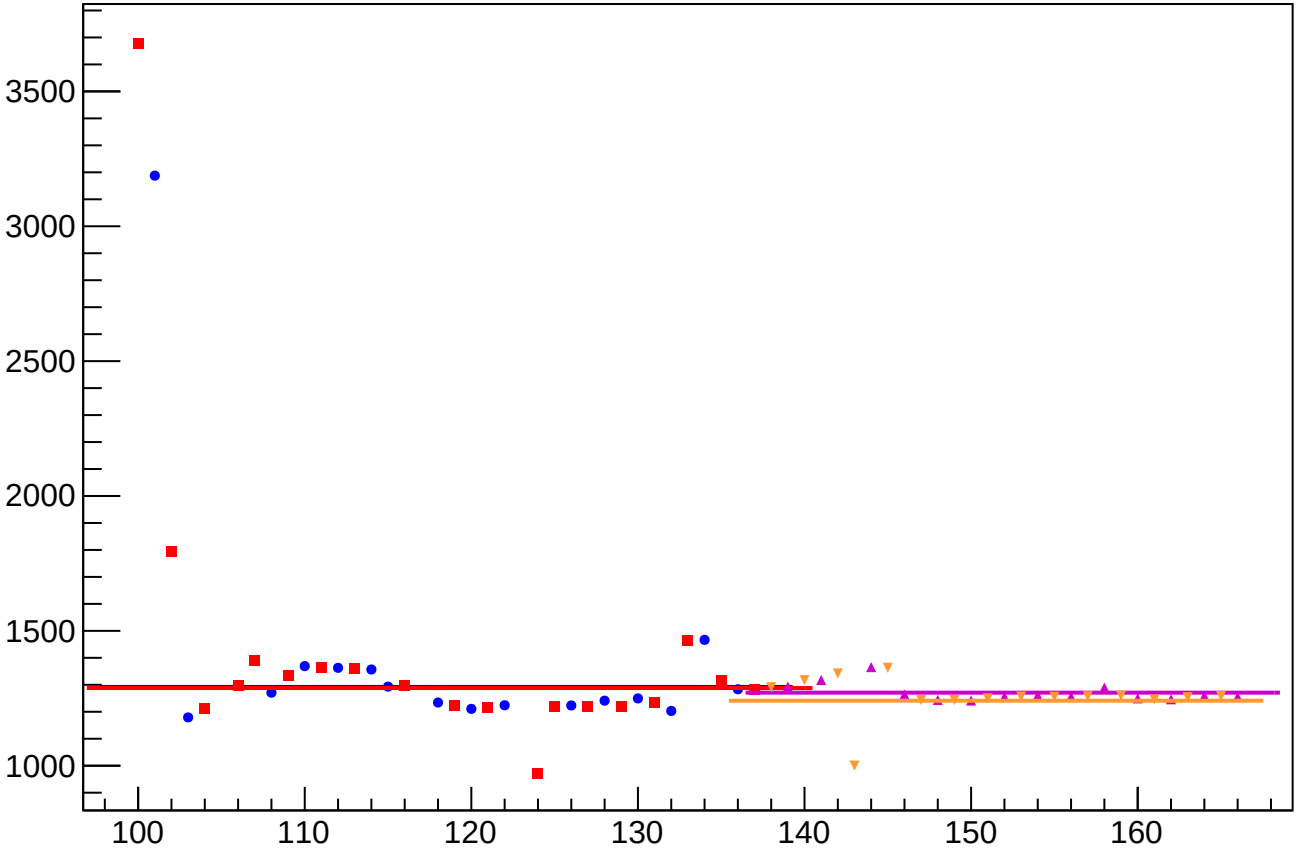
Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -517.656+/-297.270 χ^2/NDF:29.6/29

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -270.923+/-207.392 χ^2/NDF: 66.2/63

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122152.0/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.3/13

Left: 1255.445+/-0.184 χ^2/NDF: 144355.4/28

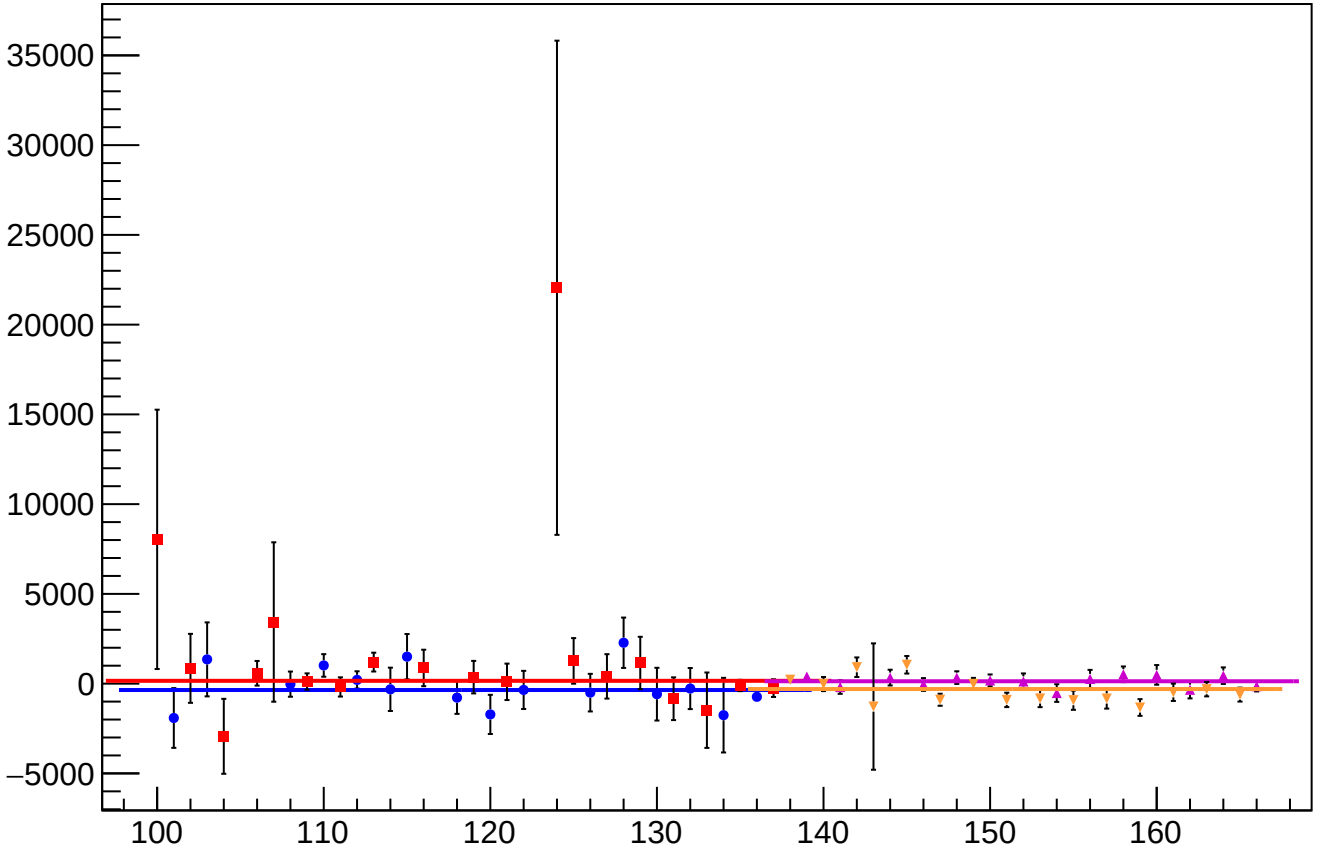
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.900+/-0.205 χ^2/NDF:343501.1/33

All: 1268.020+/-0.147 χ^2/NDF: 875882.6/63

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -300.317+/-106.857 χ^2/NDF:32.9/14

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 133.328+/-103.813 χ^2/NDF:7.8/13

Left: -77.231+/-74.460 χ^2/NDF: 49.2/28

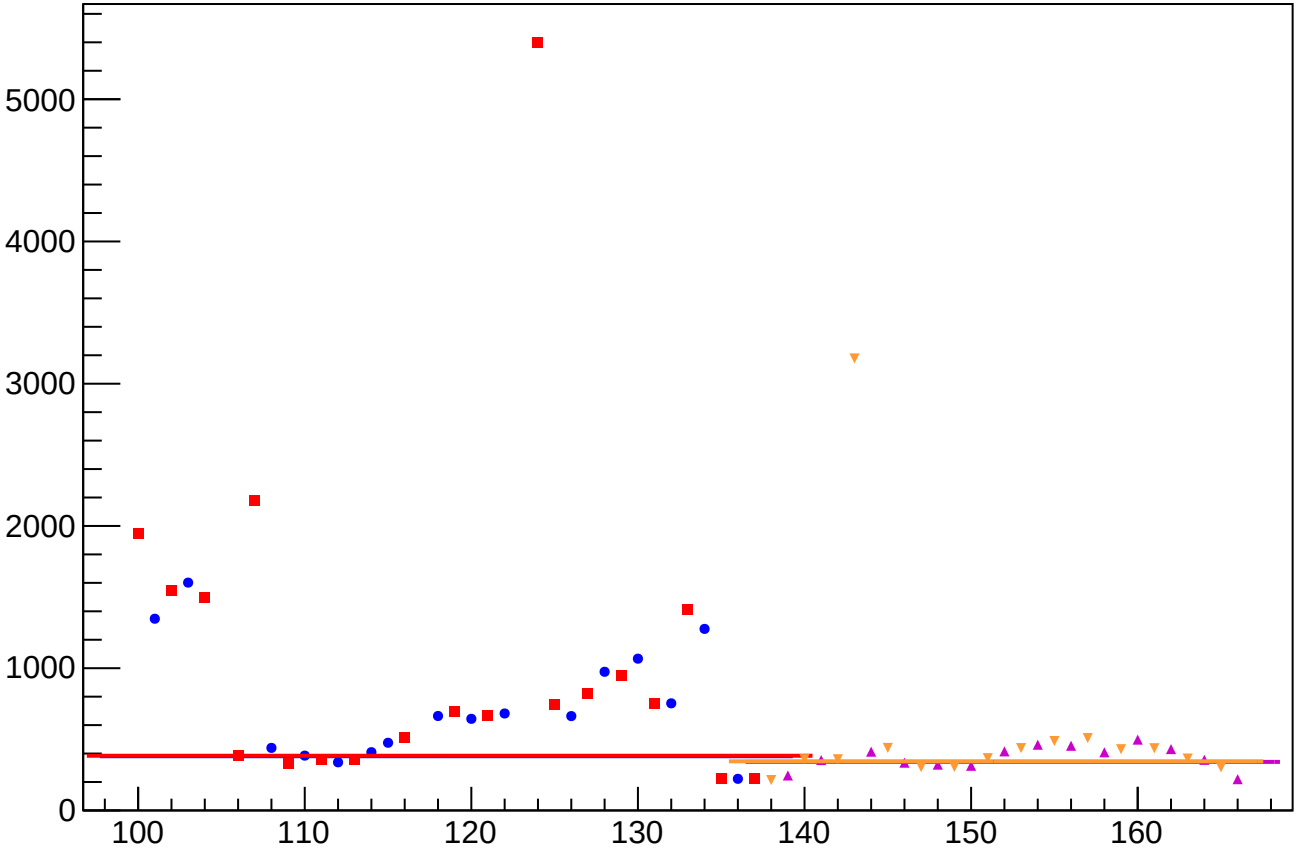
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 0.593+/-88.595 χ^2/NDF:32.3/29

Out: -170.173+/-90.418 χ^2/NDF:54.0/33

All: -83.051+/-63.281 χ^2/NDF: 88.1/63

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 345.379+/-0.076 χ^2/NDF:2571828.7/14

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 341.365+/-0.073 χ^2/NDF:1221700.0/13

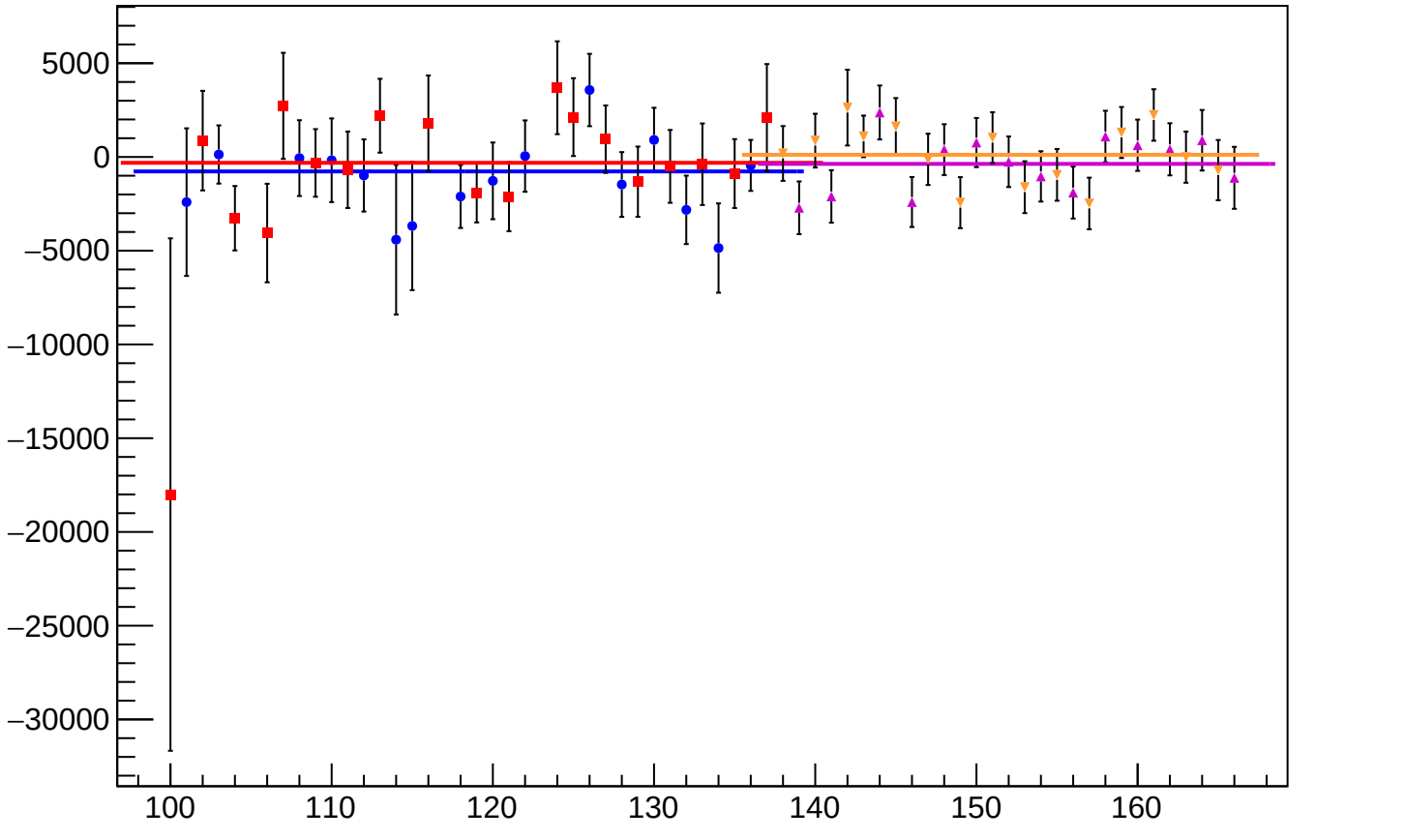
Left: 343.314+/-0.053 χ^2/NDF: 3794980.5/28

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.229+/-0.063 χ^2/NDF:5620227.7/29

Out: 356.533+/-0.064 χ^2/NDF:7208756.6/33

All: 354.337+/-0.045 χ^2/NDF: 12831296.5/63



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -369.436+/-374.124 χ^2/NDF:15.6/13

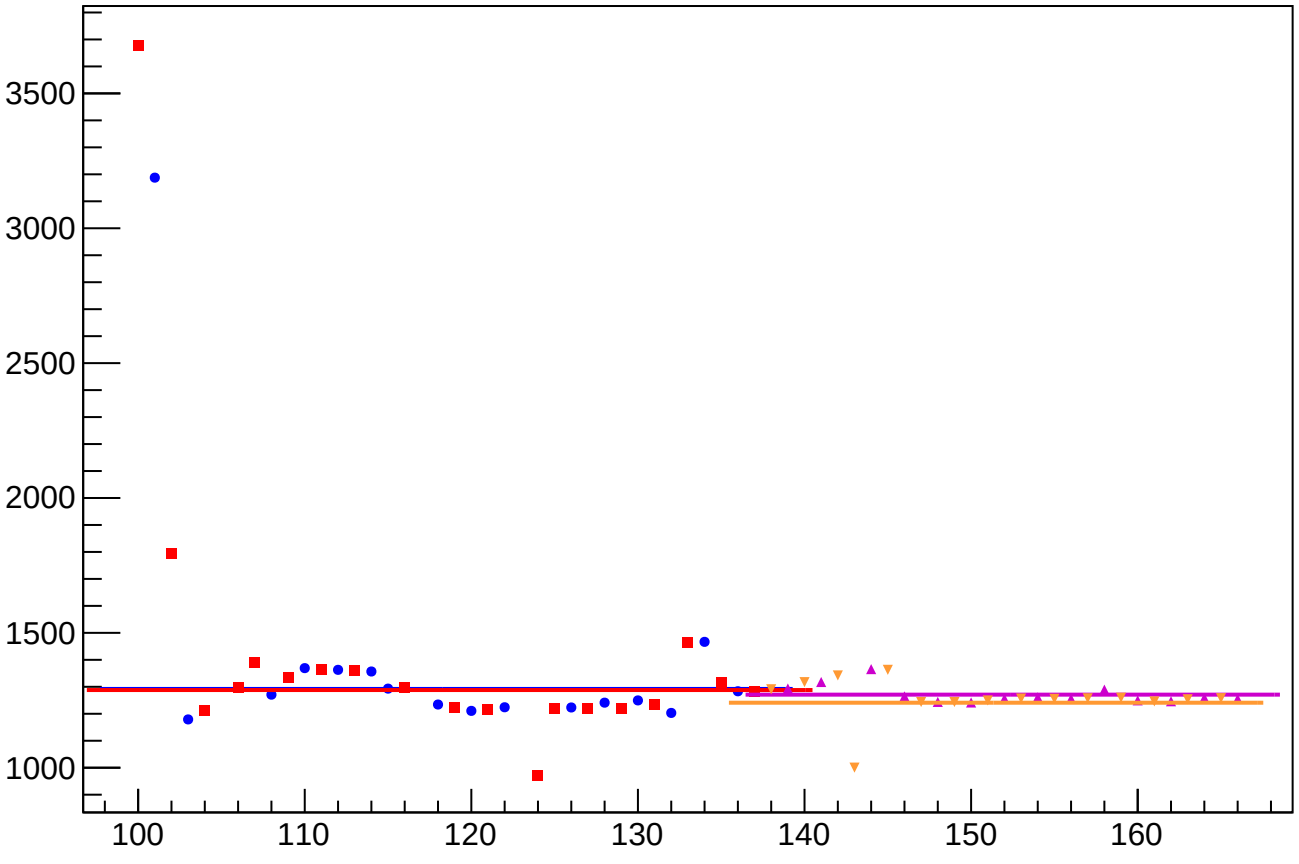
Left: -117.924+/-260.069 χ^2/NDF: 33.2/28

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -517.657+/-297.270 χ^2/NDF:29.6/29

Out: -36.953+/-289.478 χ^2/NDF:35.2/33

All: -270.923+/-207.392 χ^2/NDF: 66.2/63



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122151.2/14

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1270.900+/-0.265 χ^2/NDF:15599.4/13

Left: 1255.445+/-0.184 χ^2/NDF: 144354.5/28

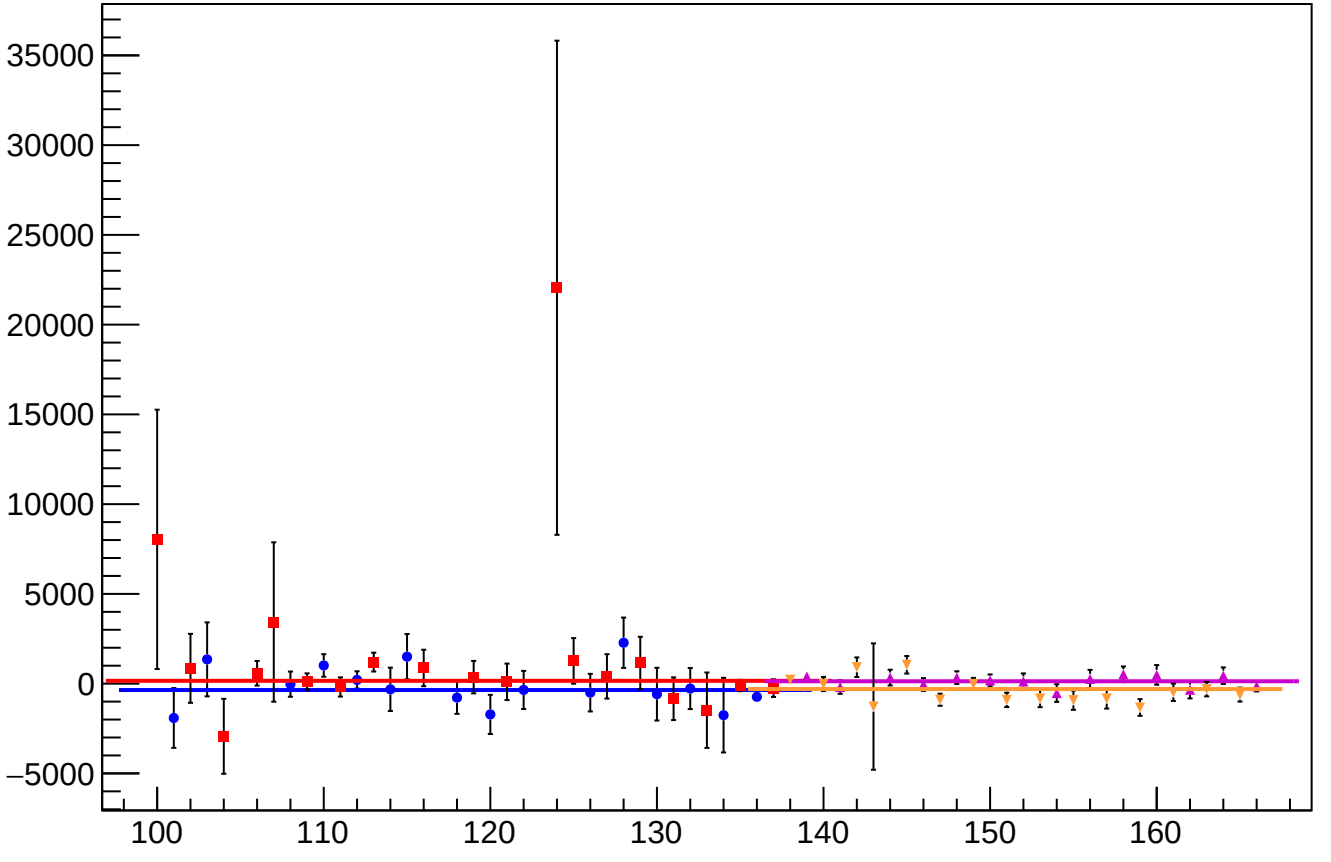
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1278.692+/-0.210 χ^2/NDF:527359.3/29

Out: 1257.900+/-0.205 χ^2/NDF:343500.5/33

All: 1268.020+/-0.147 χ^2/NDF: 875882.0/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -300.327+/-106.858 χ^2/NDF:32.9/14

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 133.327+/-103.814 χ^2/NDF:7.8/13

Left: -77.235+/-74.460 χ^2/NDF: 49.2/28

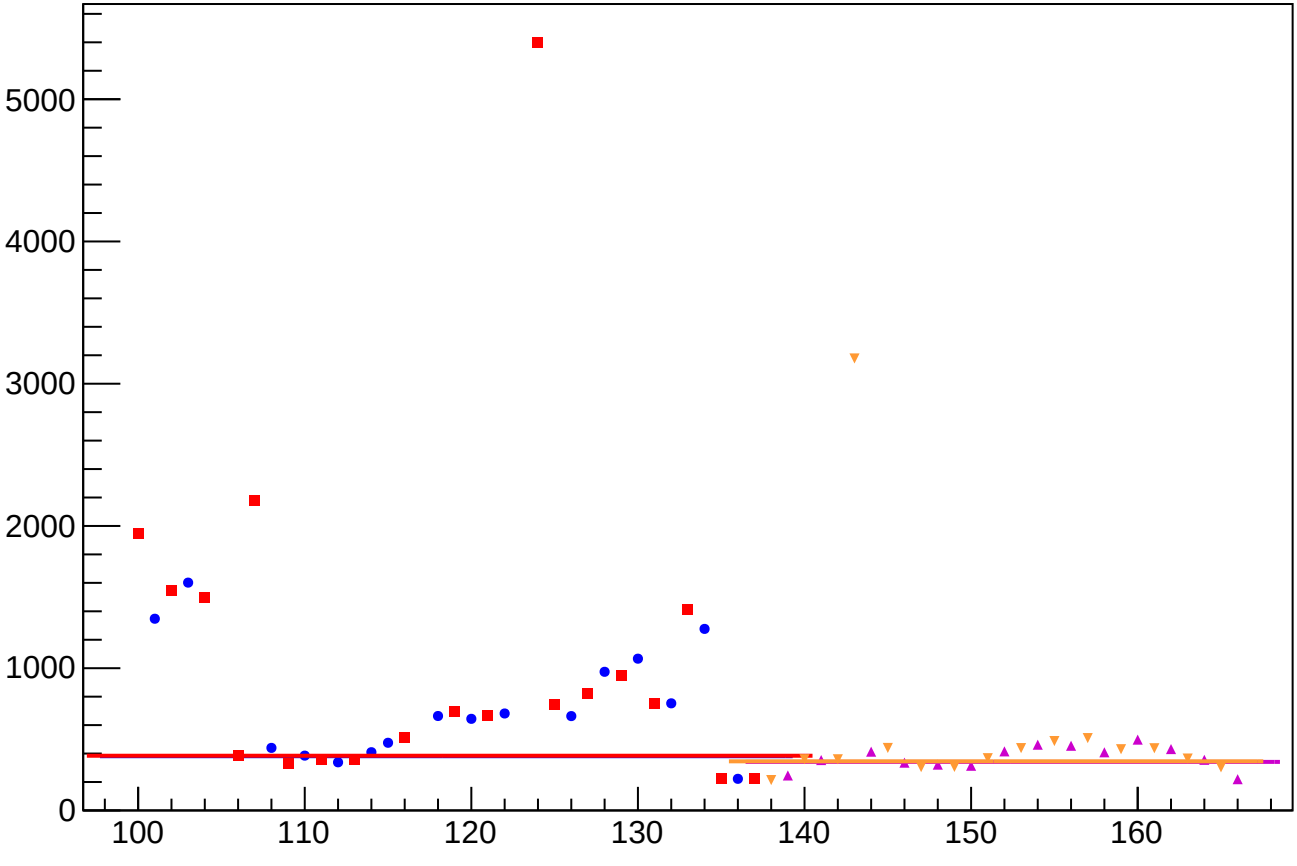
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 0.594+/-88.596 χ^2/NDF:32.3/29

Out: -170.180+/-90.419 χ^2/NDF:54.0/33

All: -83.054+/-63.282 χ^2/NDF: 88.1/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 341.368+/-0.073 χ^2/NDF:1221623.5/13

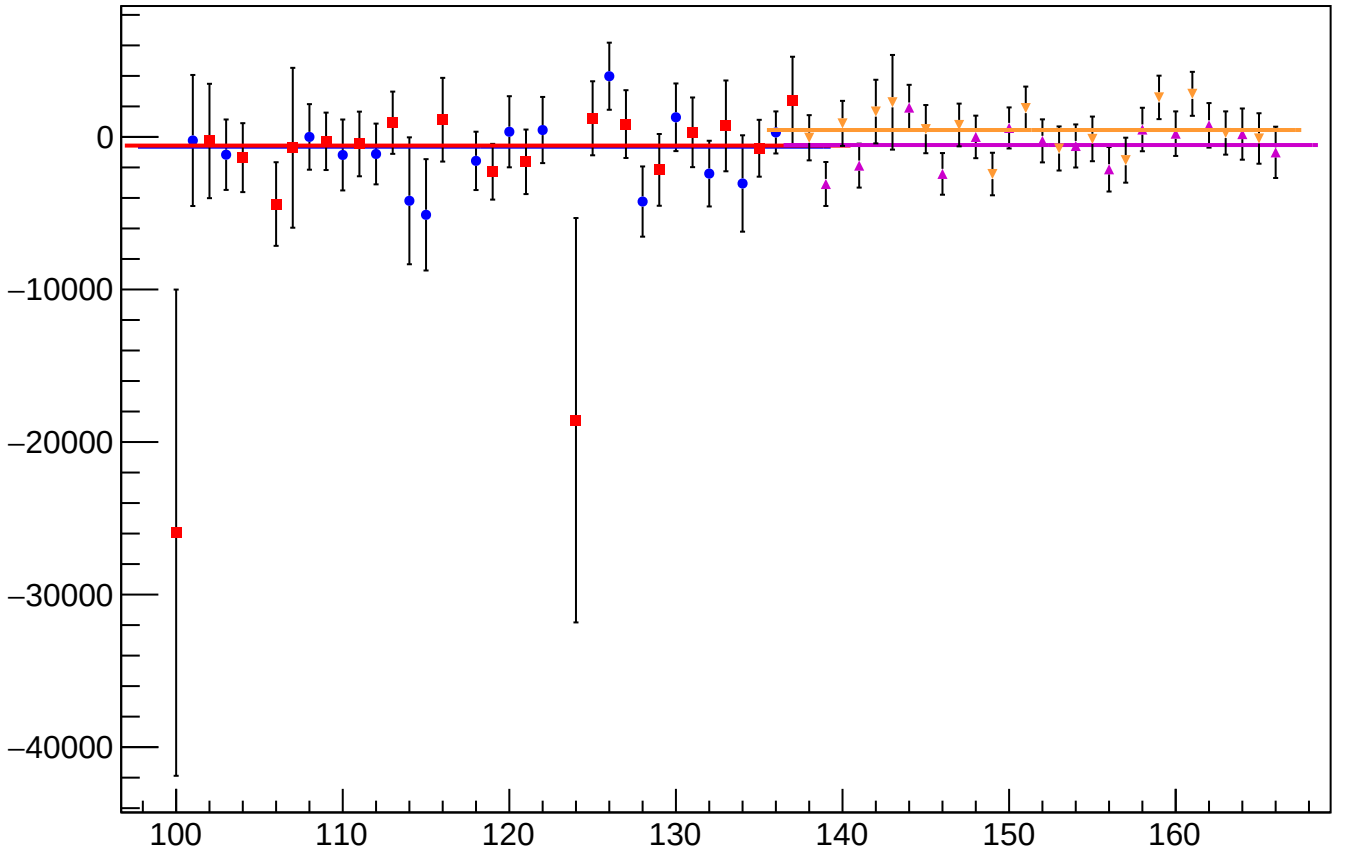
Left: 343.318+/-0.053 χ^2/NDF: 3794726.8/28

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.233+/-0.063 χ^2/NDF:5619992.9/29

Out: 356.539+/-0.064 χ^2/NDF:7208446.0/33

All: 354.342+/-0.045 χ^2/NDF: 12830752.4/63



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -530.752+/-388.427 χ^2/NDF:12.5/13

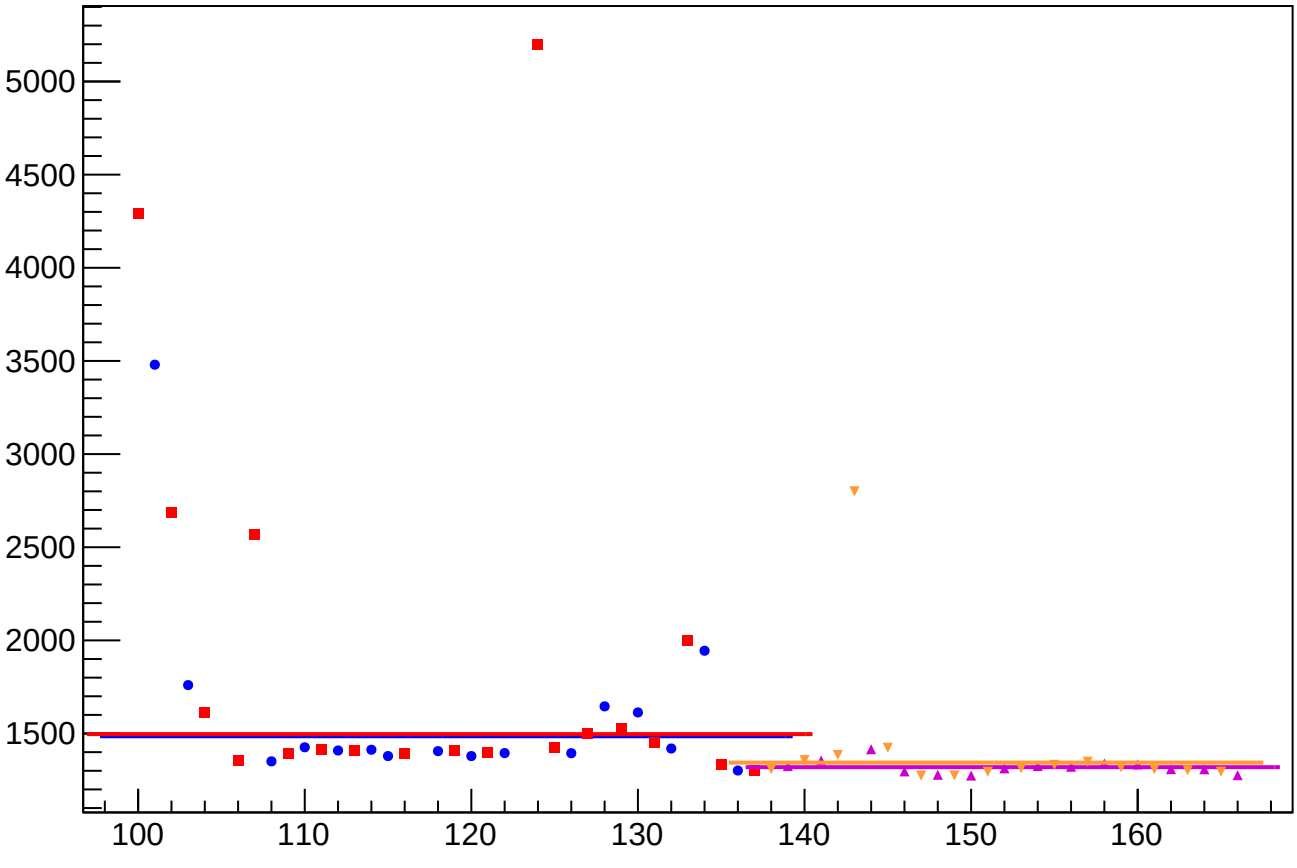
Left: -46.410+/-276.864 χ^2/NDF: 29.7/28

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -566.132+/-319.967 χ^2/NDF:25.0/29

Out: 120.295+/-323.920 χ^2/NDF:27.5/33

All: -227.132+/-227.636 χ^2/NDF: 54.8/63



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1319.430+/-0.275 χ^2/NDF:16212.5/13

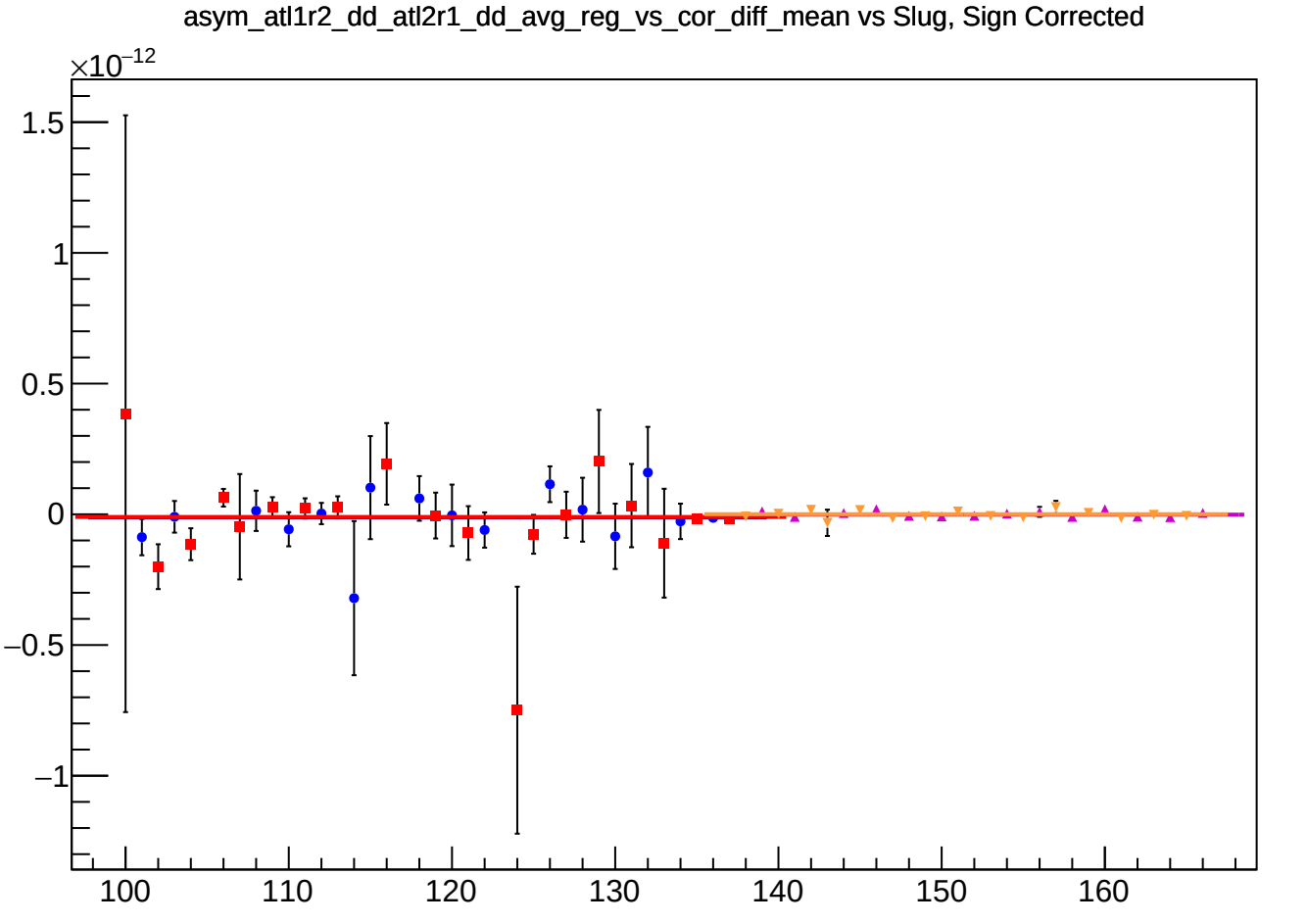
Left: 1331.545+/-0.196 χ^2/NDF: 486288.5/28

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1372.769+/-0.226 χ^2/NDF:718011.2/29

Out: 1393.969+/-0.229 χ^2/NDF:1187308.4/33

All: 1383.239+/-0.161 χ^2/NDF: 1909655.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/13

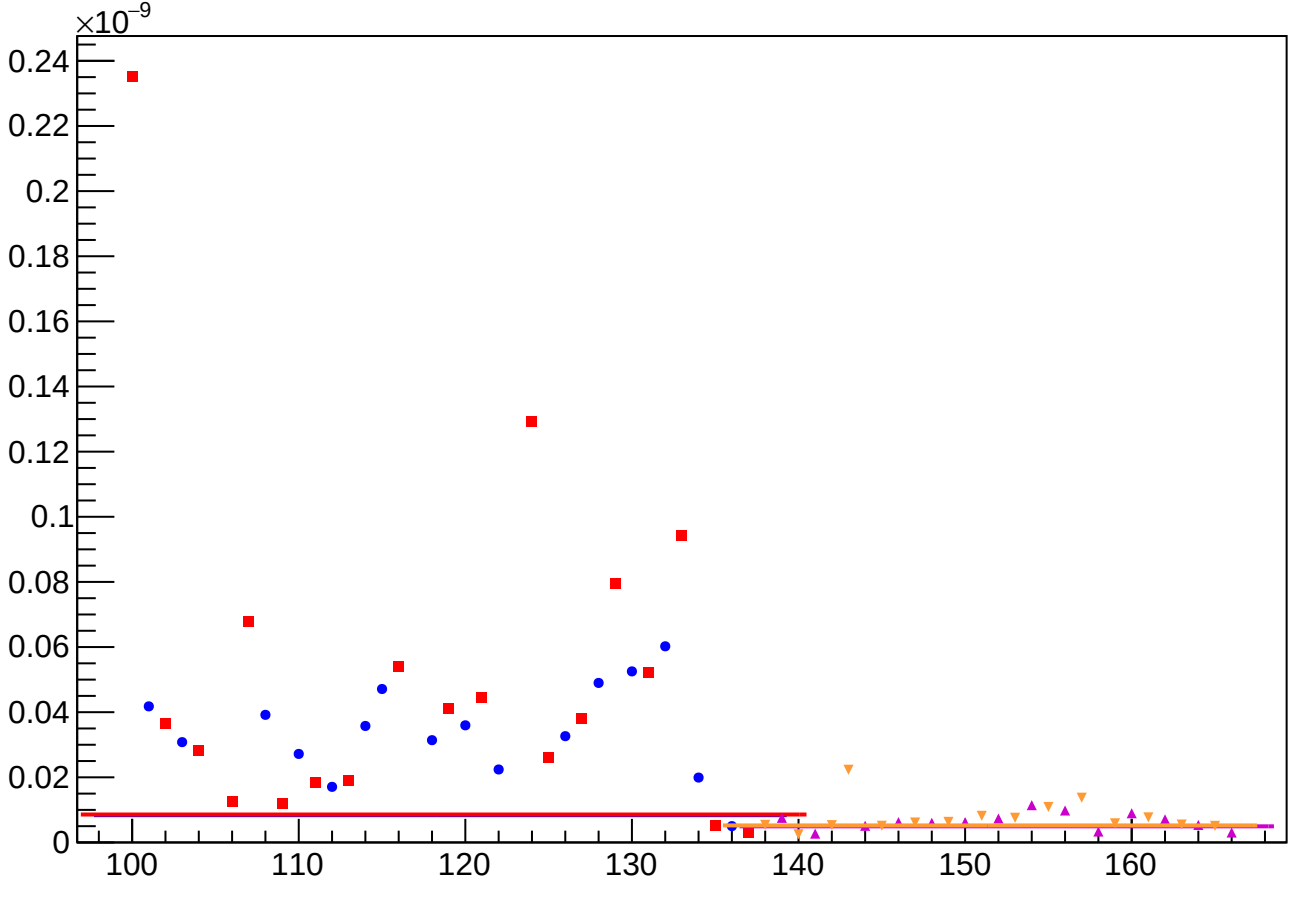
Left: -0.000+/-0.000 χ^2/NDF: 29.1/28

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: -0.000+/-0.000 χ^2/NDF:38.0/33

All: -0.000+/-0.000 χ^2/NDF: 64.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619478.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1441224.5/13

Left: 0.000+/-0.000 χ^2/NDF: 3072589.8/28

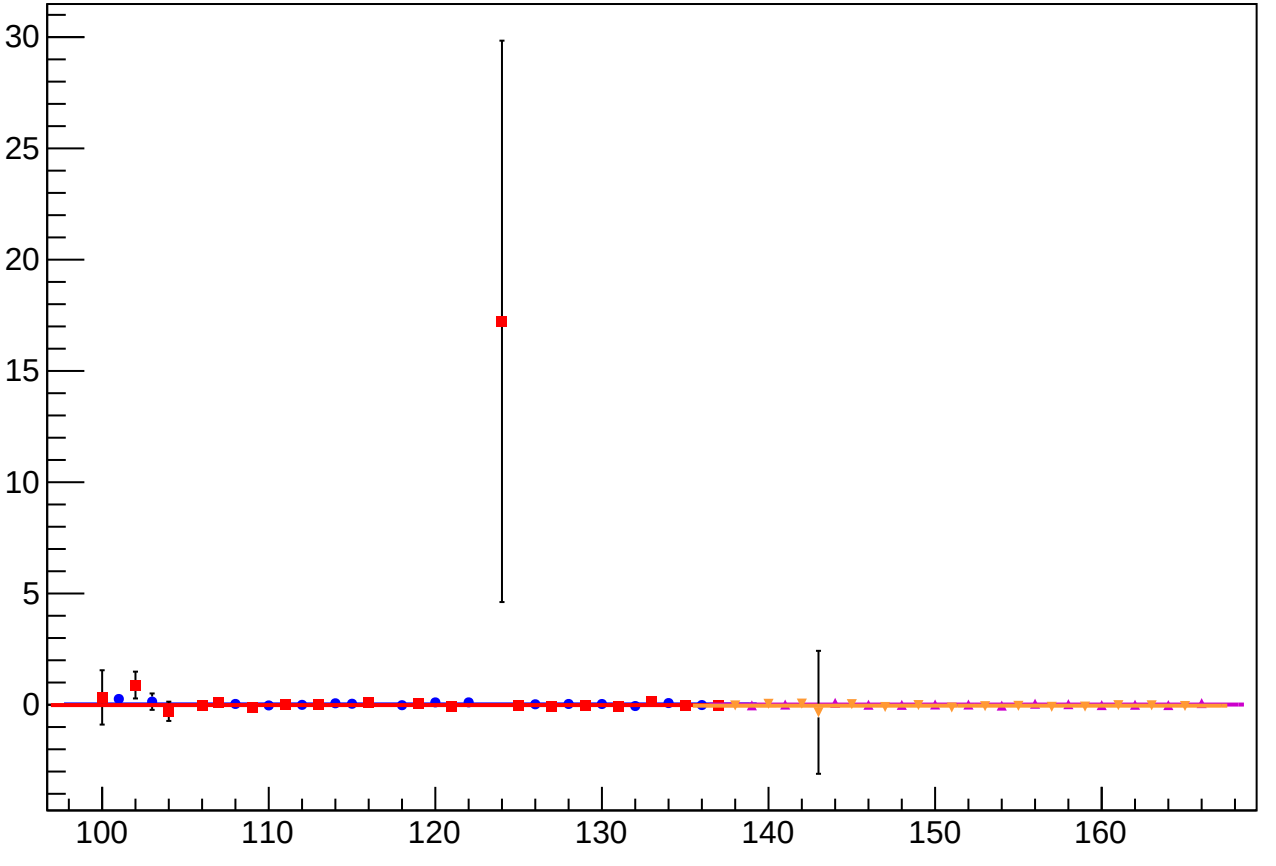
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4882482.0/29

Out: 0.000+/-0.000 χ^2/NDF:5282980.8/33

All: 0.000+/-0.000 χ^2/NDF: 10175585.0/63

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

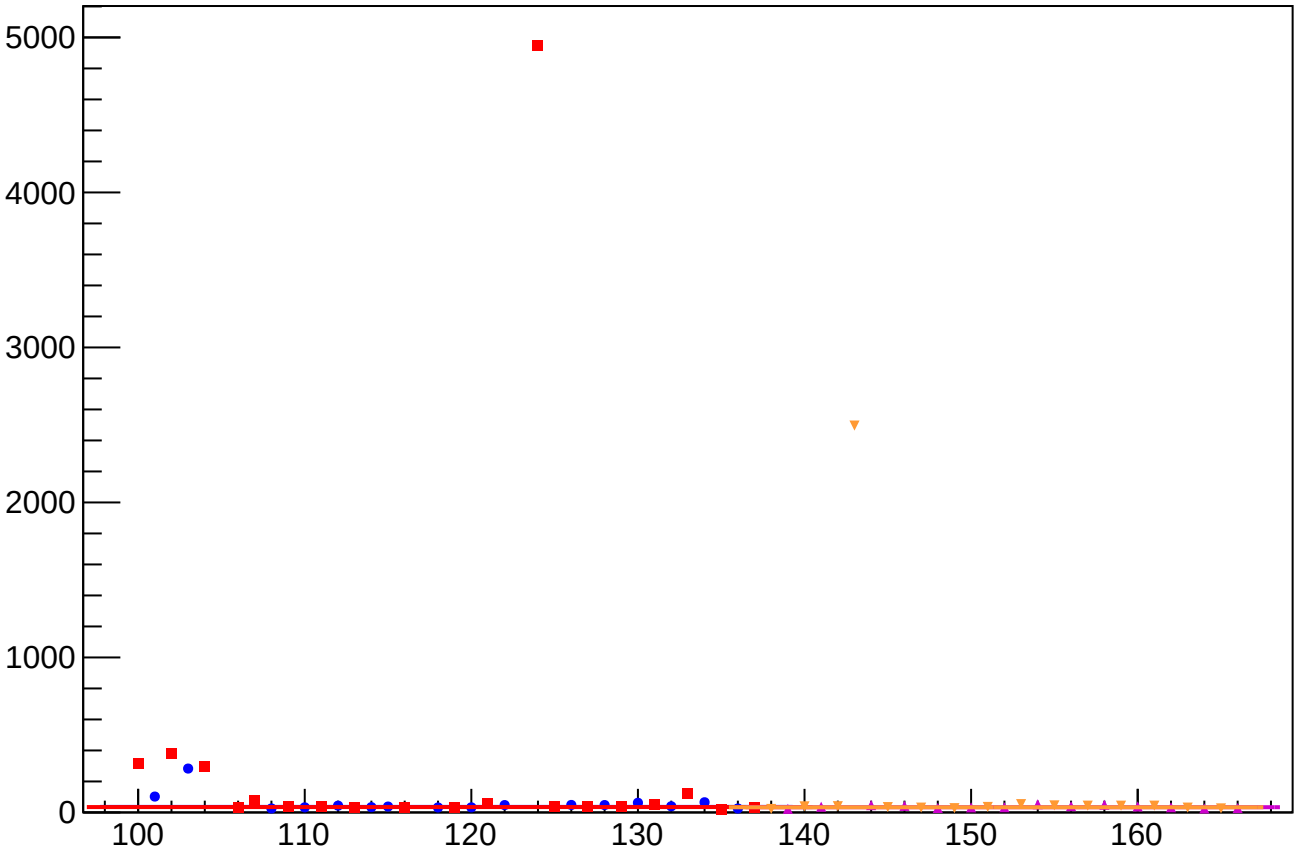
Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

Left: 33.668+/-0.005 χ^2/NDF: 3798121.9/28

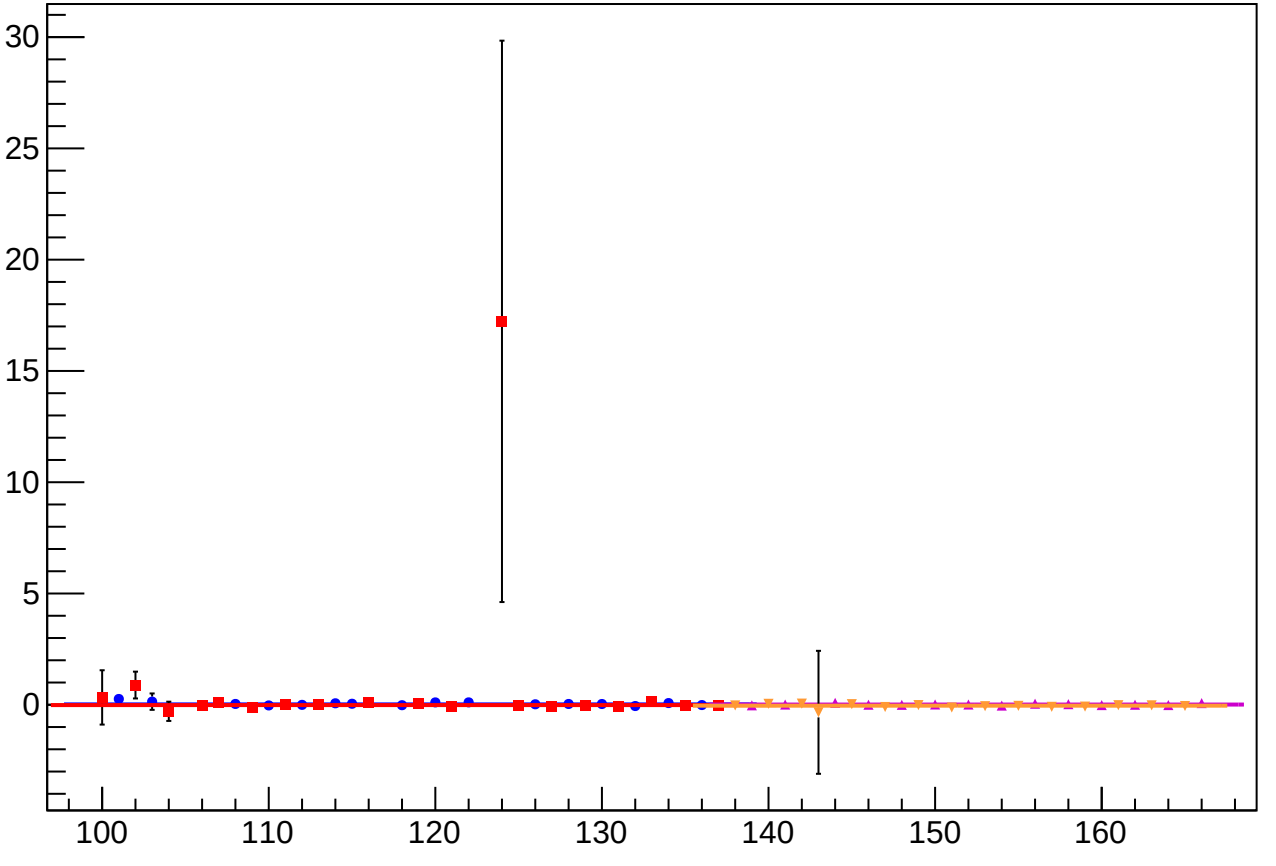
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.204+/-0.004 χ^2/NDF: 9009274.2/63

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

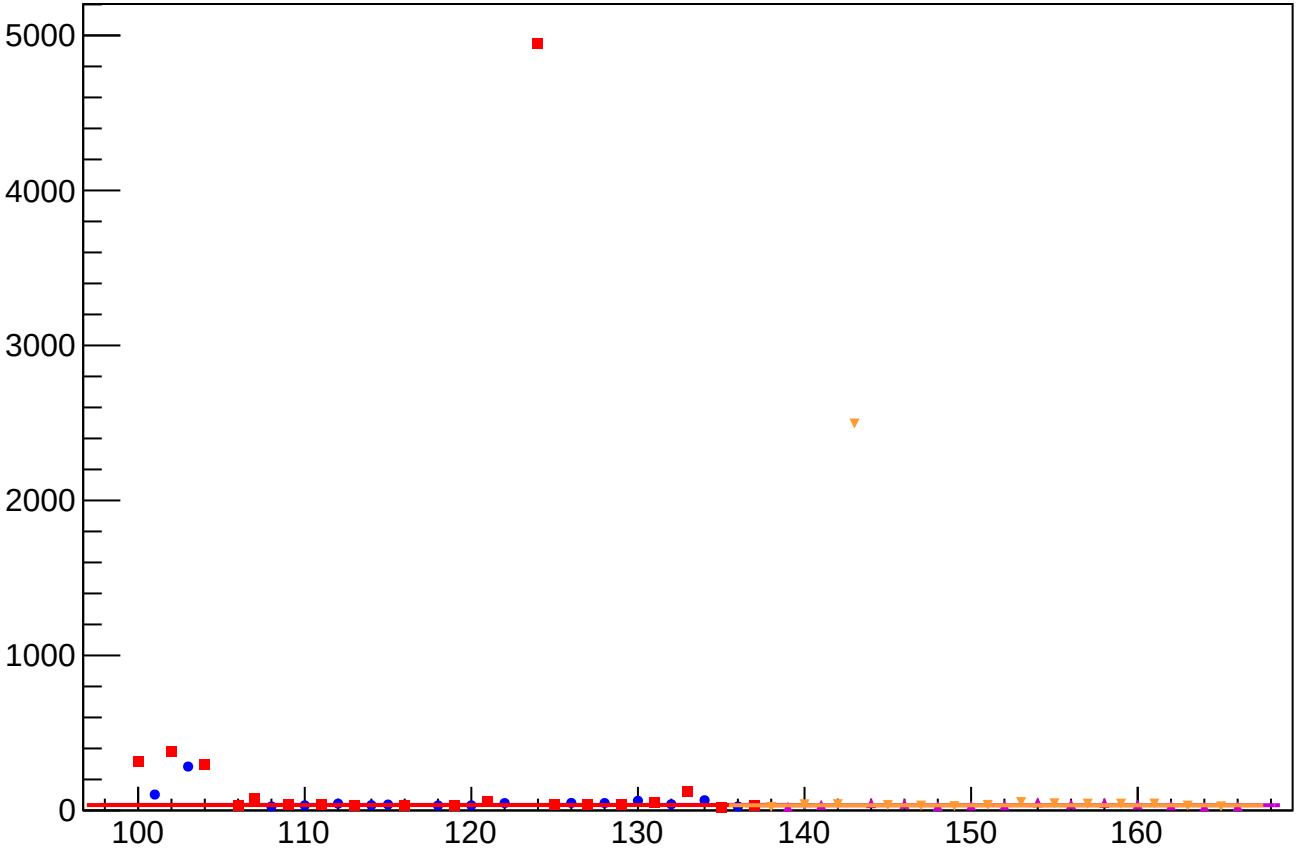
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.1/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.902+/-0.008 χ^2/NDF:1089706.9/13

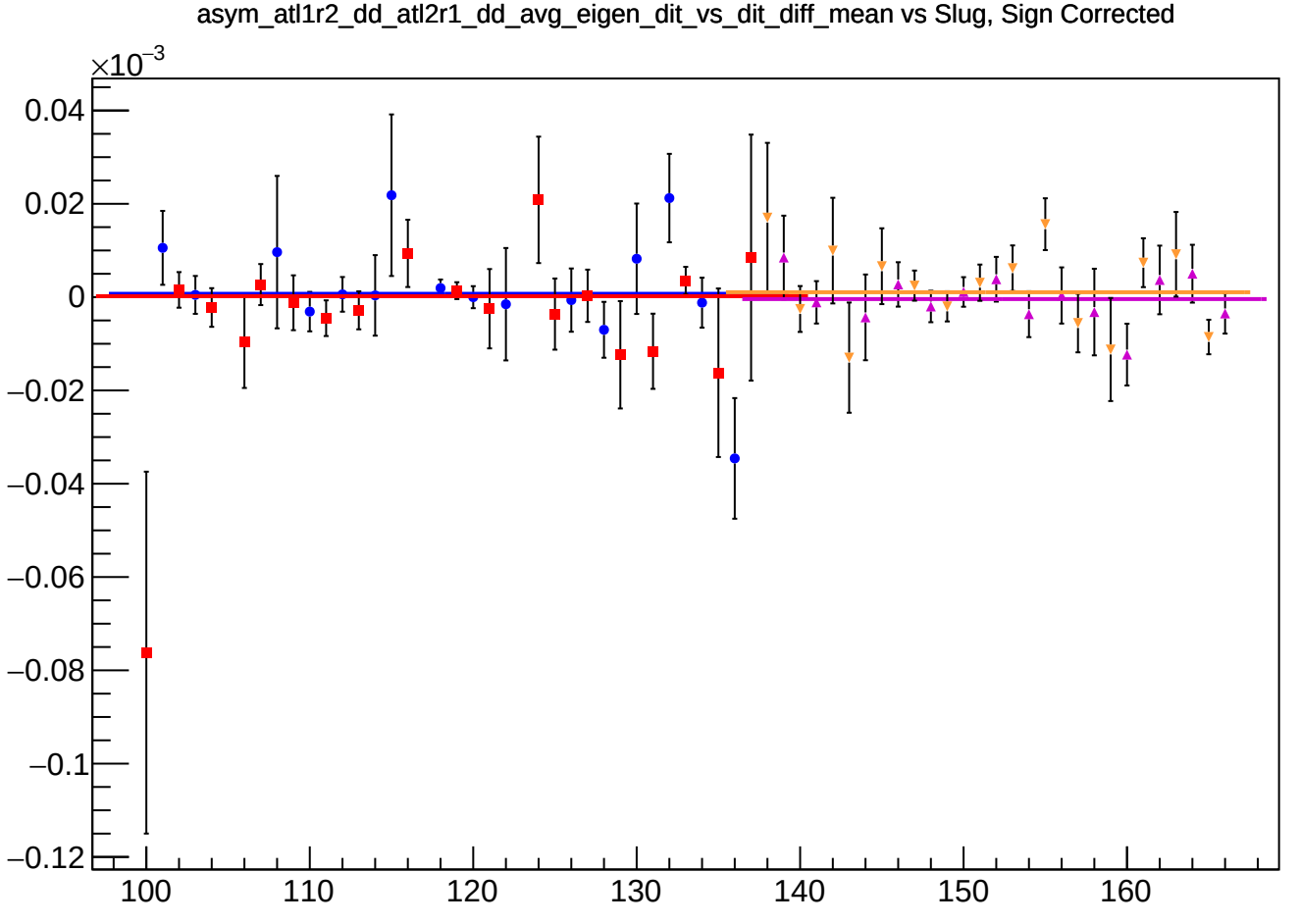
Left: 33.668+/-0.005 χ^2/NDF: 3798121.9/28

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.518+/-0.006 χ^2/NDF:3373376.7/29

Out: 33.885+/-0.006 χ^2/NDF:5630924.5/33

All: 34.204+/-0.004 χ^2/NDF: 9009274.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

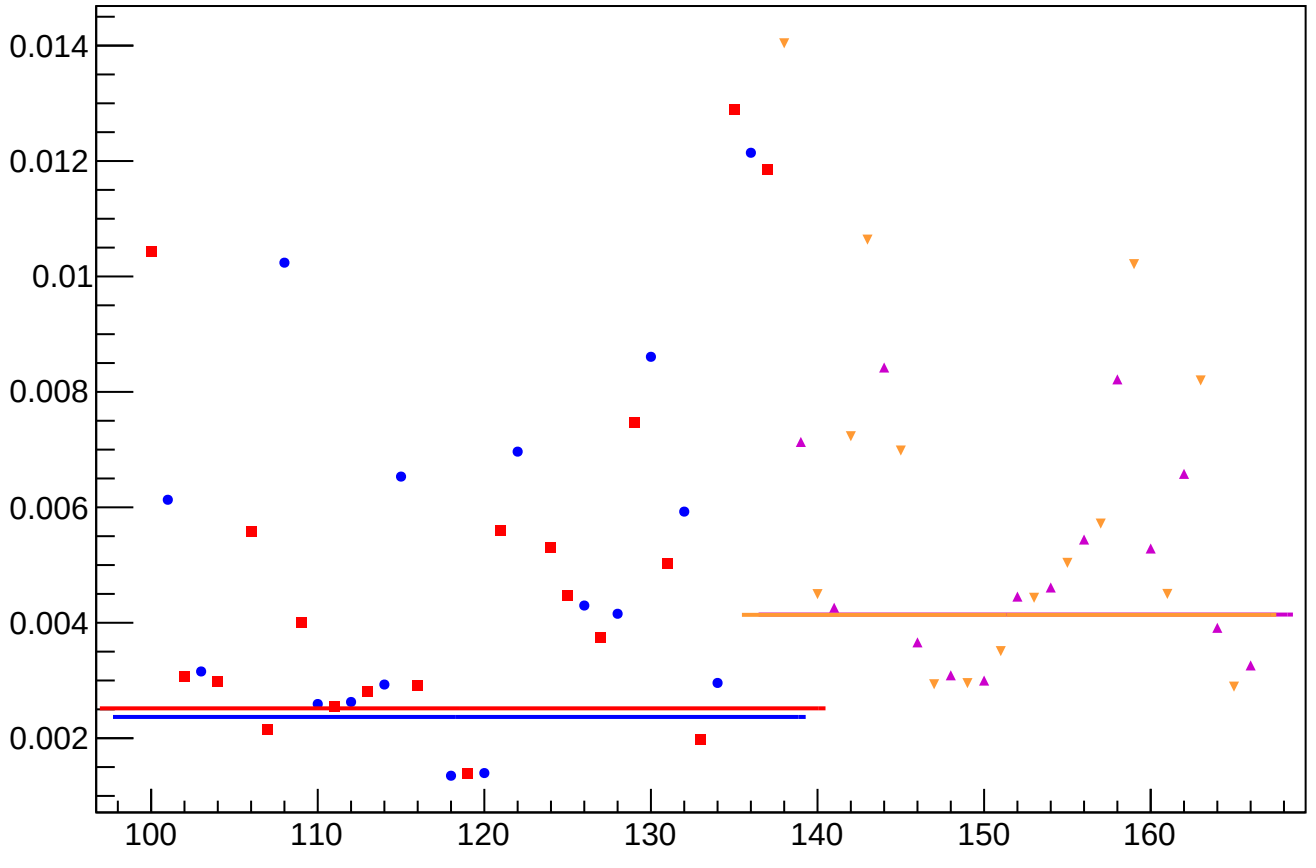
Left: 0.000+/-0.000 χ^2/NDF: 33.5/28

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:43.1/33

All: 0.000+/-0.000 χ^2/NDF: 70.8/63



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2003969.6/13

Left: 0.004+/-0.000 χ^2/NDF: 5804155.2/28

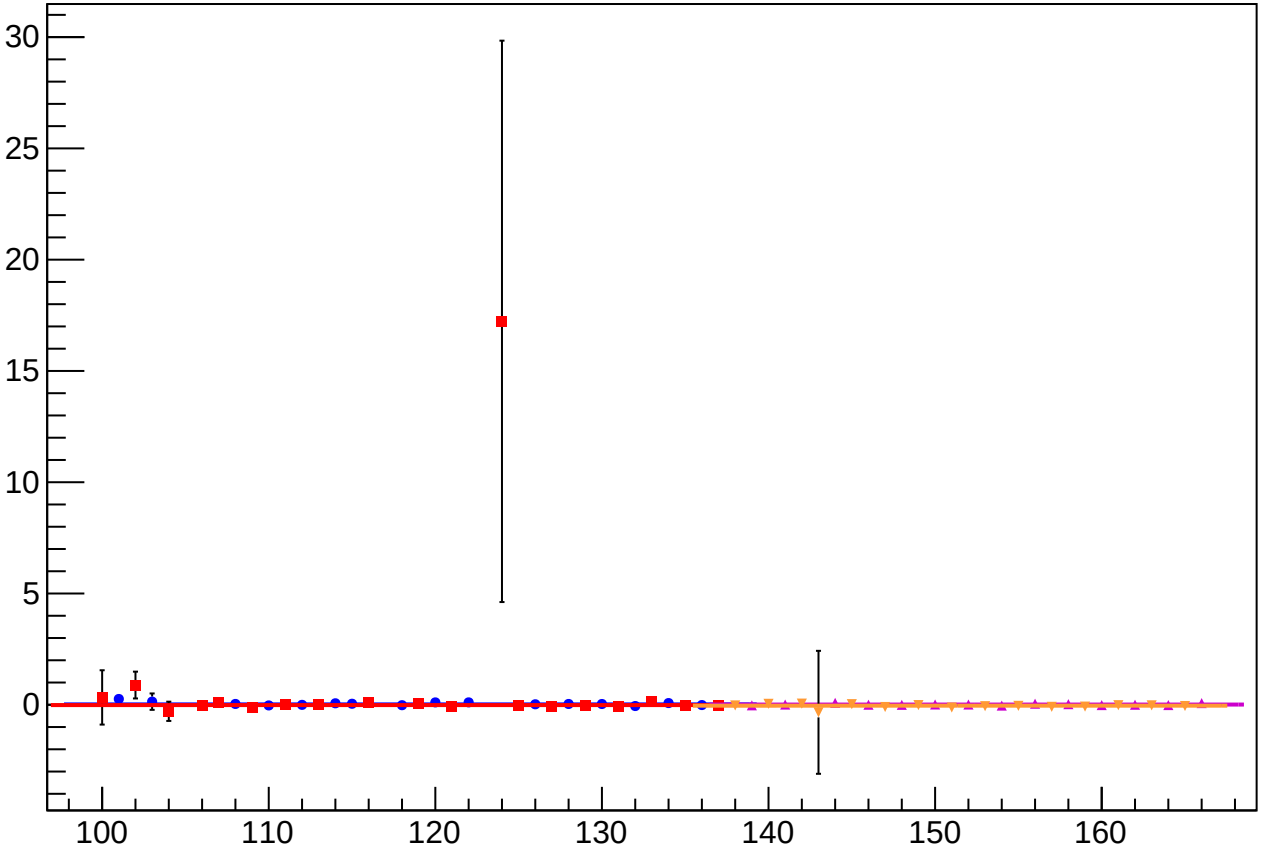
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8793246.8/29

Out: 0.003+/-0.000 χ^2/NDF:9001628.3/33

All: 0.003+/-0.000 χ^2/NDF: 17801087.4/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

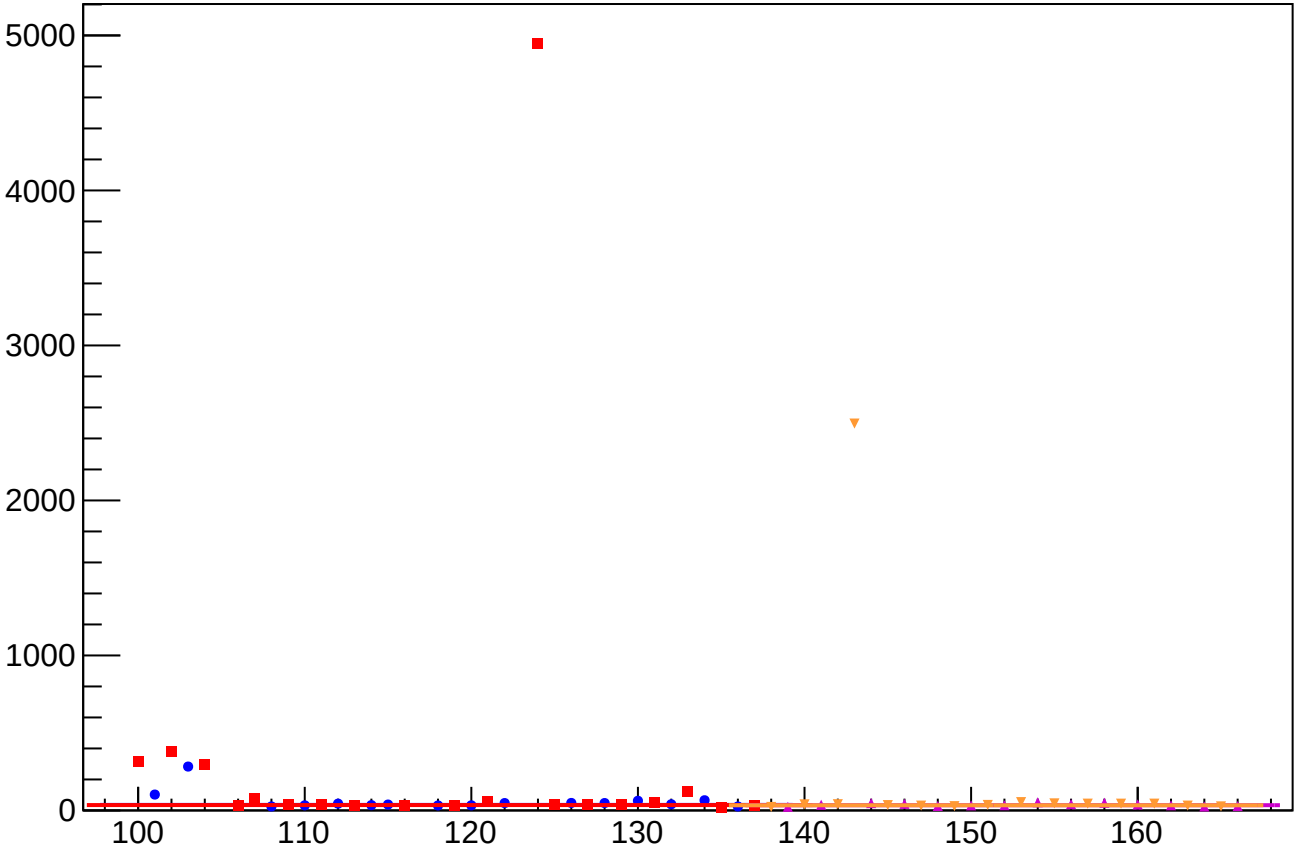
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

Left: 33.667+/-0.005 χ^2/NDF: 3799059.8/28

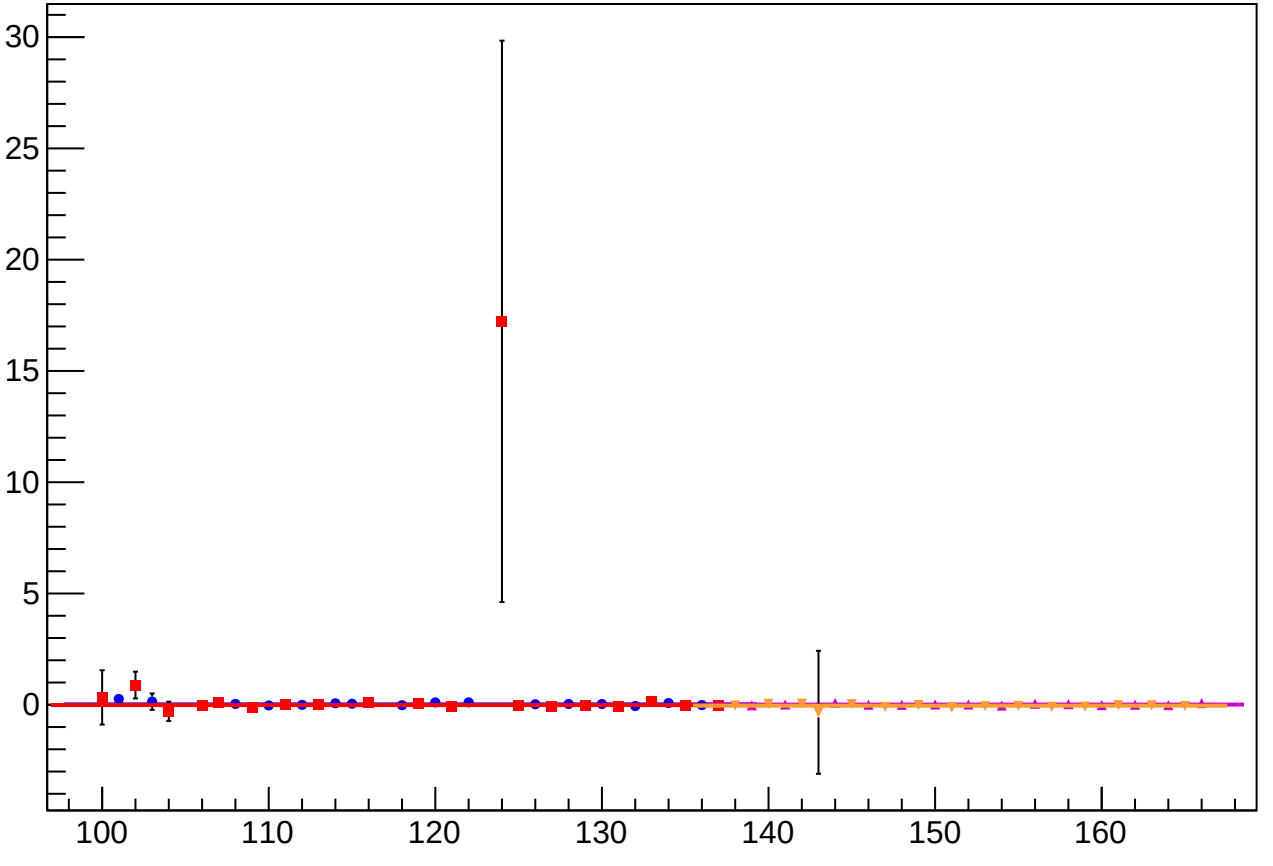
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.203+/-0.004 χ^2/NDF: 9009845.4/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.010+/-0.011 χ^2/NDF:8.5/13

Left: -0.015+/-0.008 χ^2/NDF: 36.8/28

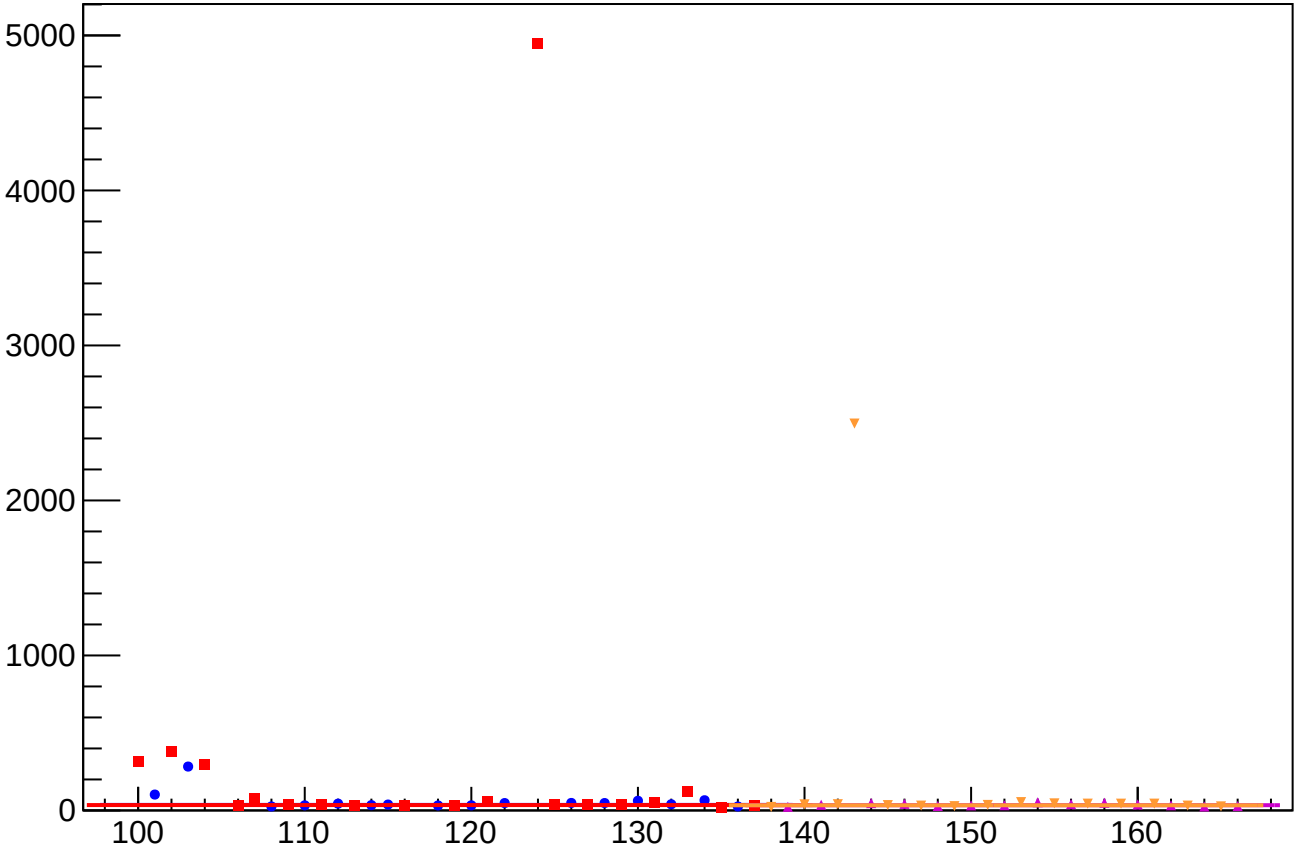
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.009 χ^2/NDF:20.2/29

Out: -0.031+/-0.009 χ^2/NDF:35.7/33

All: -0.009+/-0.006 χ^2/NDF: 67.7/63

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.900+/-0.008 χ^2/NDF:1090343.4/13

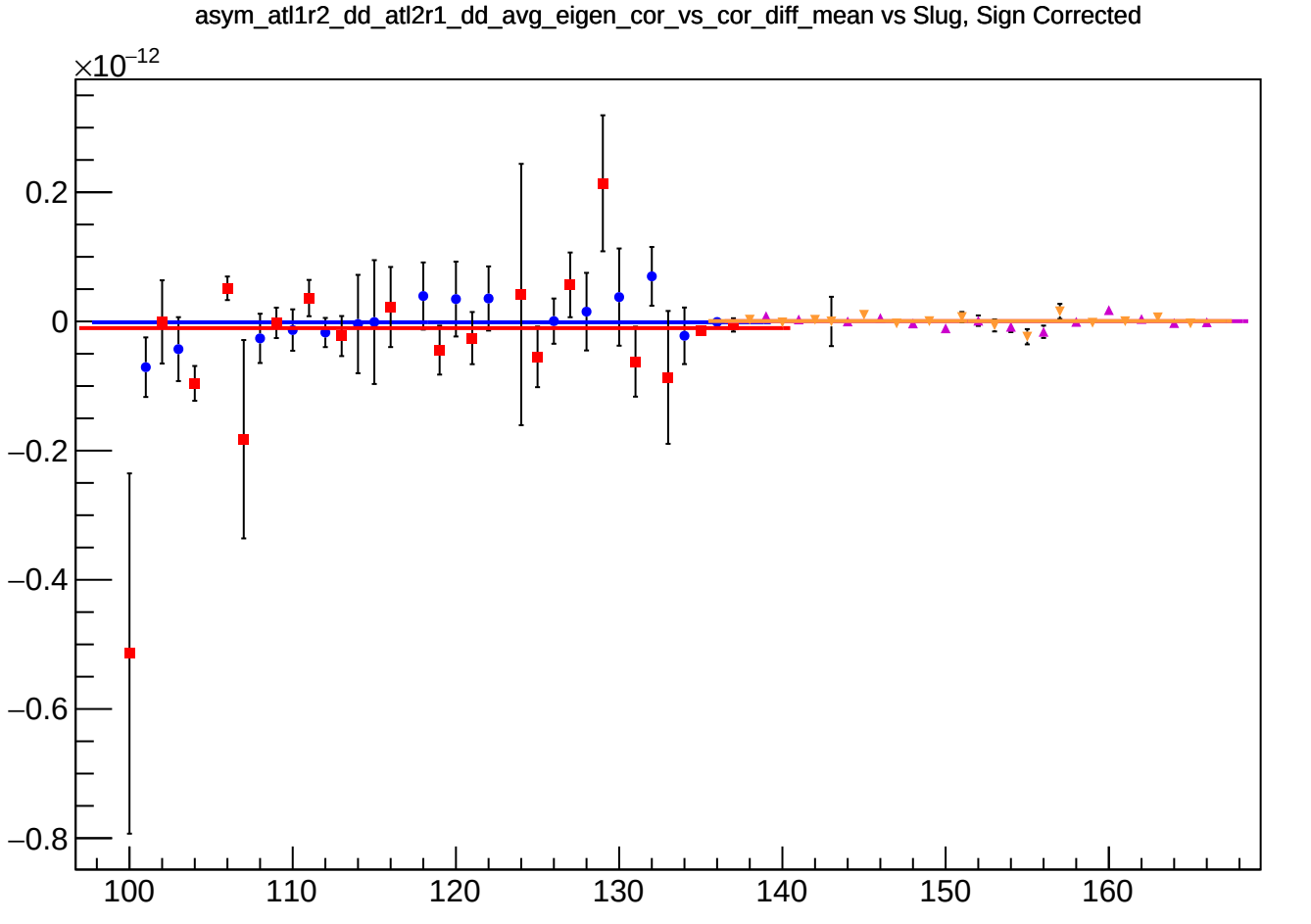
Left: 33.667+/-0.005 χ^2/NDF: 3799059.8/28

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

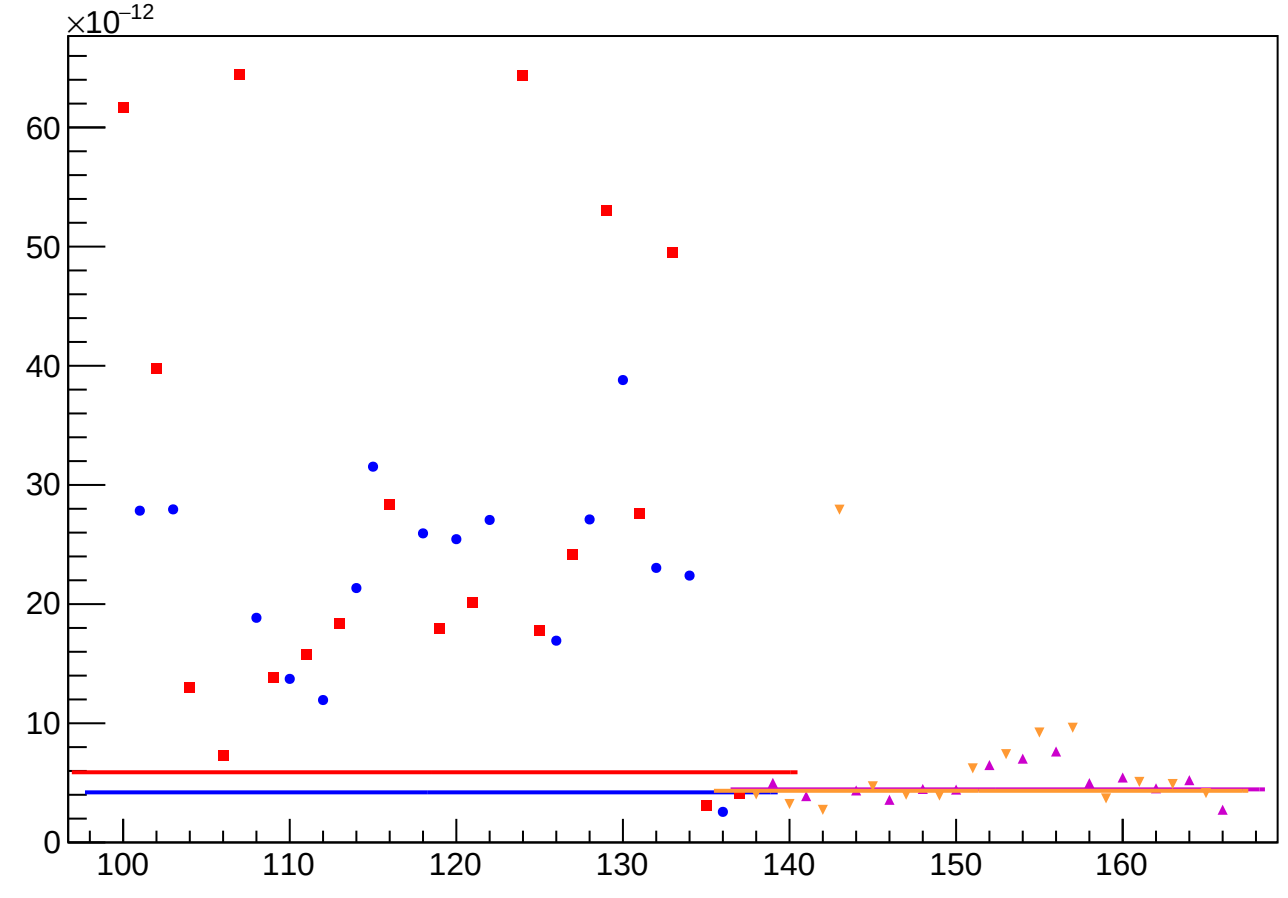
In: 34.517+/-0.006 χ^2/NDF:3373800.1/29

Out: 33.885+/-0.006 χ^2/NDF:5631081.1/33

All: 34.203+/-0.004 χ^2/NDF: 9009845.4/63


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.5/13
Left: 0.000+/-0.000 χ²/NDF: 29.2/28
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:26.3/29
Out: -0.000+/-0.000 χ²/NDF:57.6/33
All: -0.000+/-0.000 χ²/NDF: 84.0/63

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: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2297586.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057529.7/13

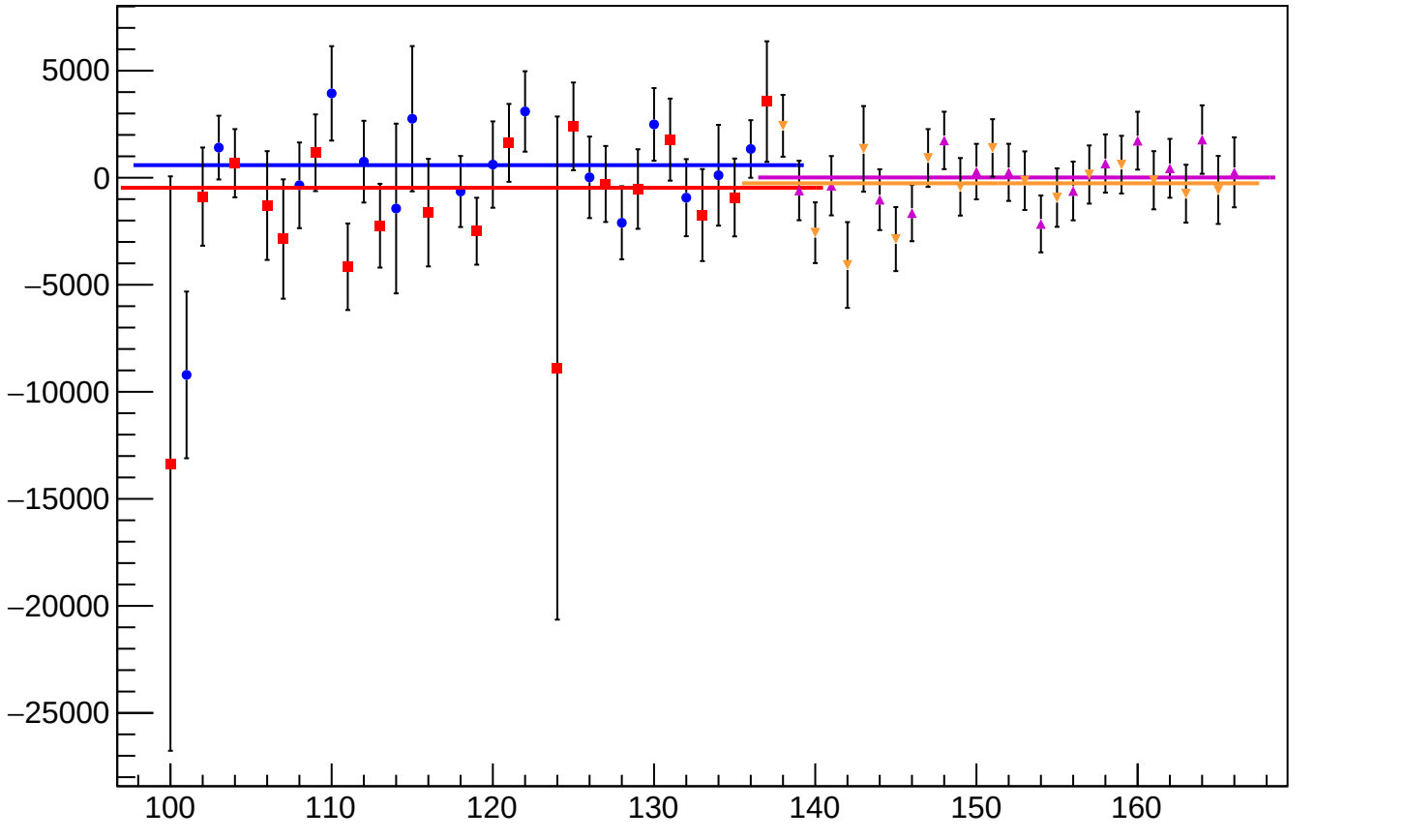
Left: 0.000+/-0.000 χ^2/NDF: 3360554.5/28

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6146532.0/29

Out: 0.000+/-0.000 χ^2/NDF:7399291.7/33

All: 0.000+/-0.000 χ^2/NDF: 13553365.1/63



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 12.554+/-369.955 χ^2/NDF:10.2/13

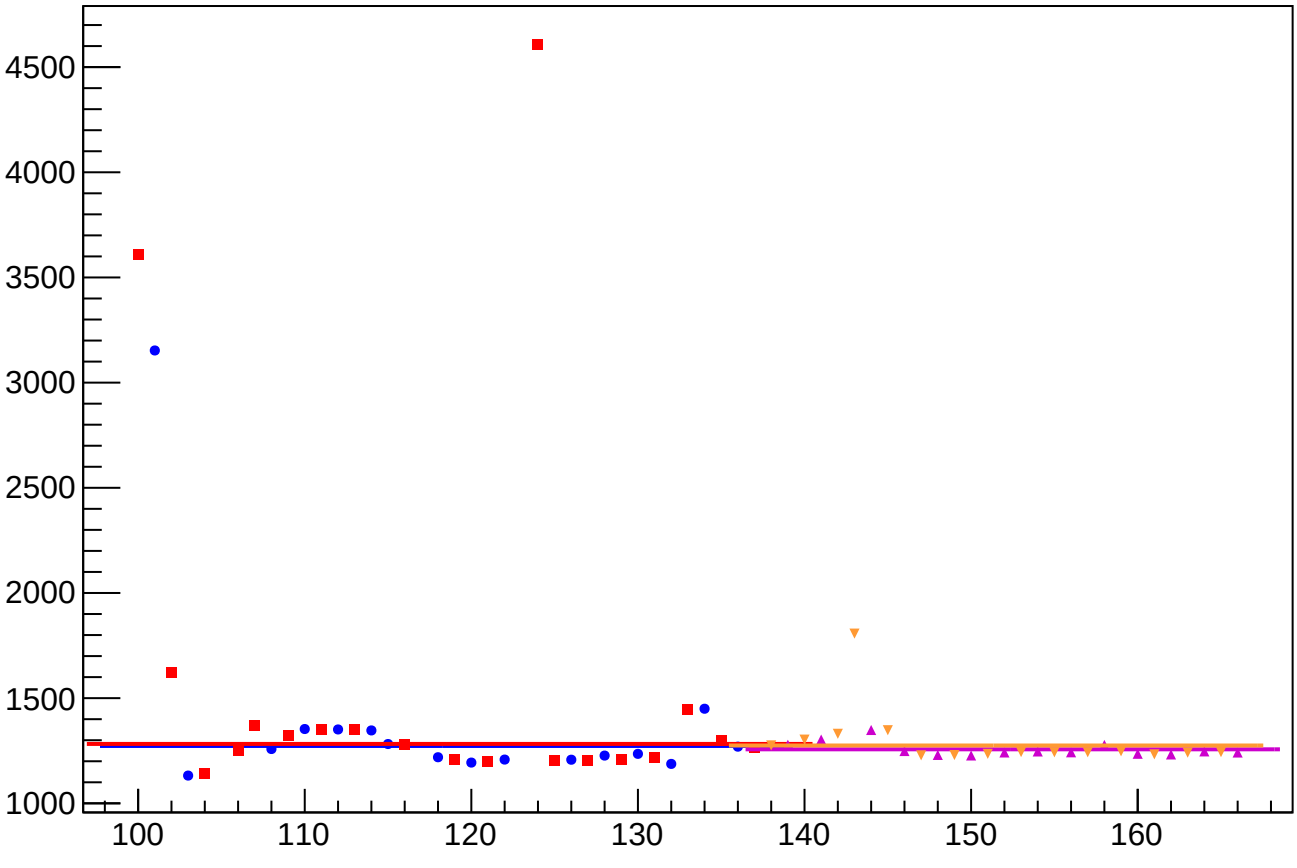
Left: -123.169+/-262.310 χ^2/NDF: 27.1/28

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 225.248+/-293.572 χ^2/NDF:28.2/29

Out: -338.556+/-294.141 χ^2/NDF:33.6/33

All: -56.108+/-207.788 χ^2/NDF: 63.6/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

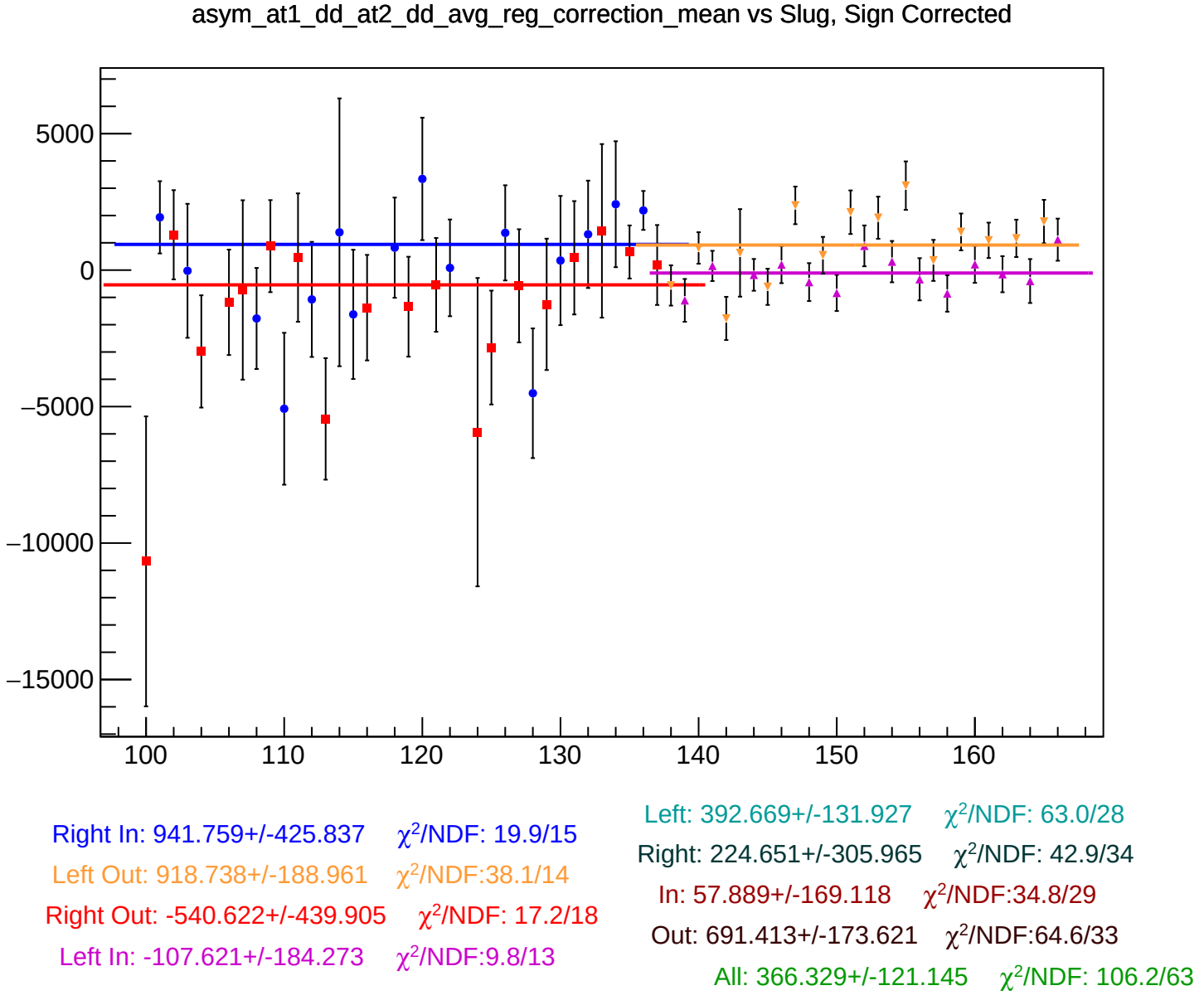
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

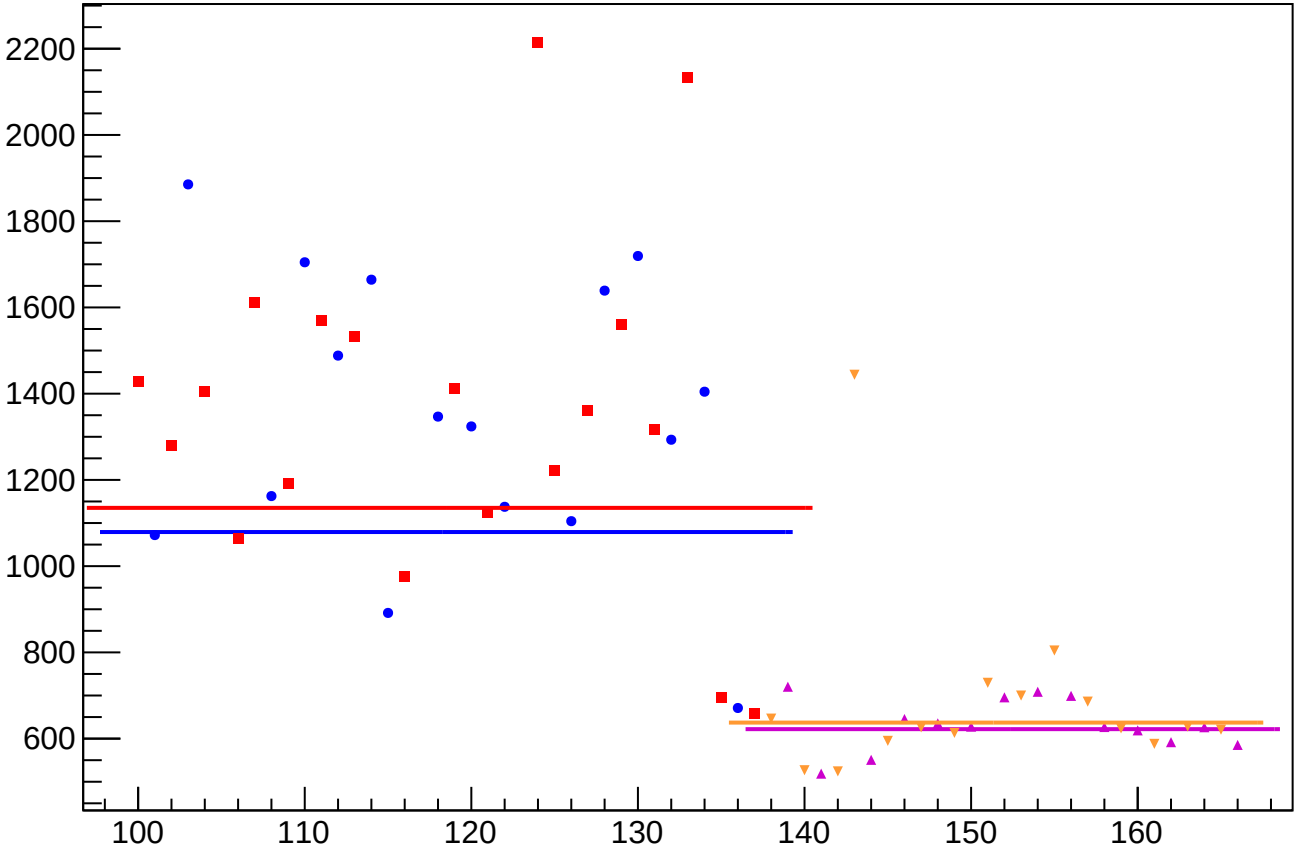
In: 1262.704+/-0.208 χ^2/NDF:536085.9/29

Out: 1277.709+/-0.208 χ^2/NDF:485406.1/33

All: 1270.192+/-0.147 χ^2/NDF: 1024099.3/63


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 918.738+/-188.961 χ²/NDF:38.1/14
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -107.621+/-184.273 χ²/NDF:9.8/13
Left: 392.669+/-131.927 χ²/NDF: 63.0/28
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 57.889+/-169.118 χ²/NDF:34.8/29
Out: 691.413+/-173.621 χ²/NDF:64.6/33
All: 366.329+/-121.145 χ²/NDF: 106.2/63

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.985+/-0.130 χ^2/NDF:208305.0/13

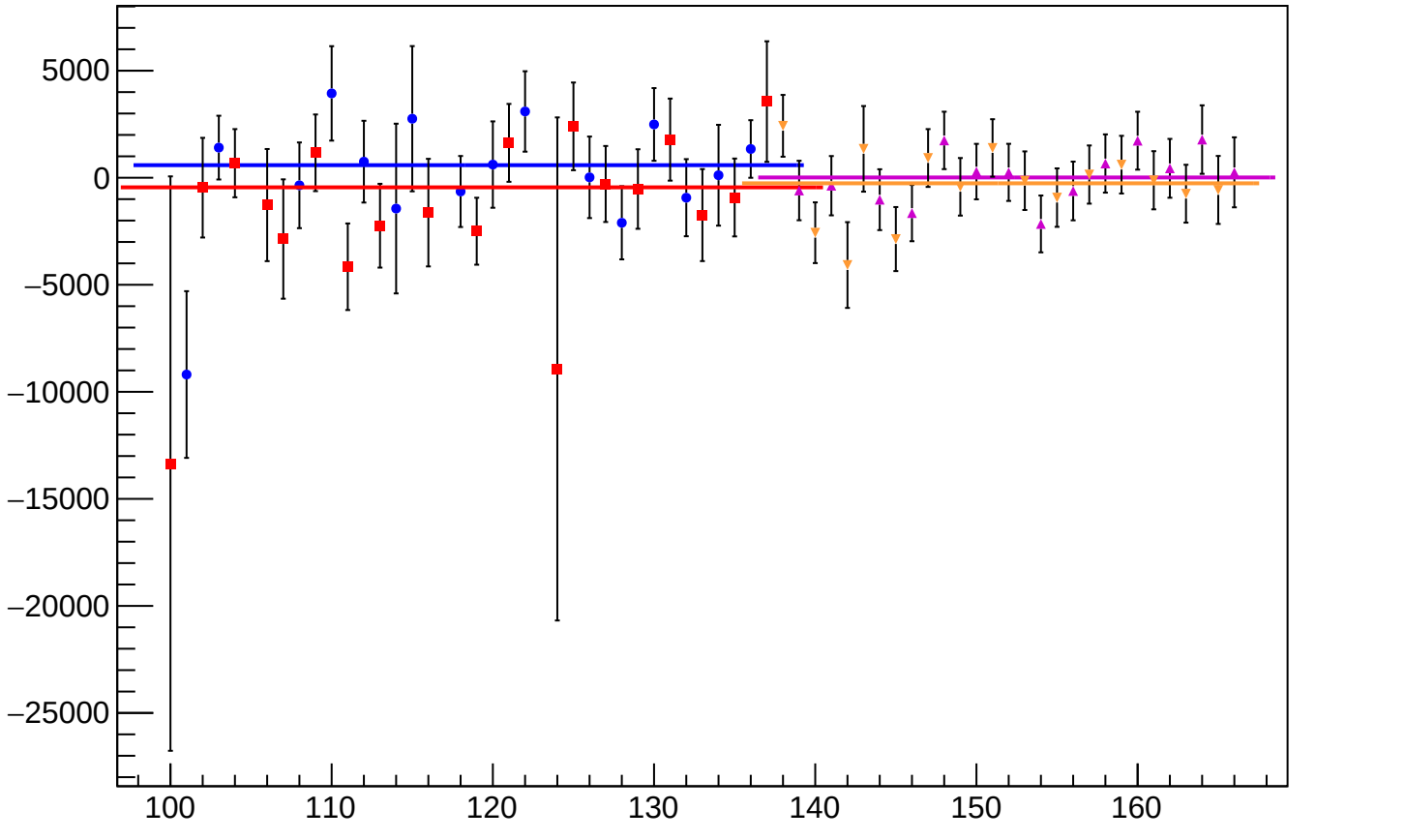
Left: 629.401+/-0.093 χ^2/NDF: 979837.8/28

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 694.085+/-0.120 χ^2/NDF:3631810.3/29

Out: 714.767+/-0.123 χ^2/NDF:4221511.9/33

All: 704.154+/-0.086 χ^2/NDF: 7867883.9/63



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

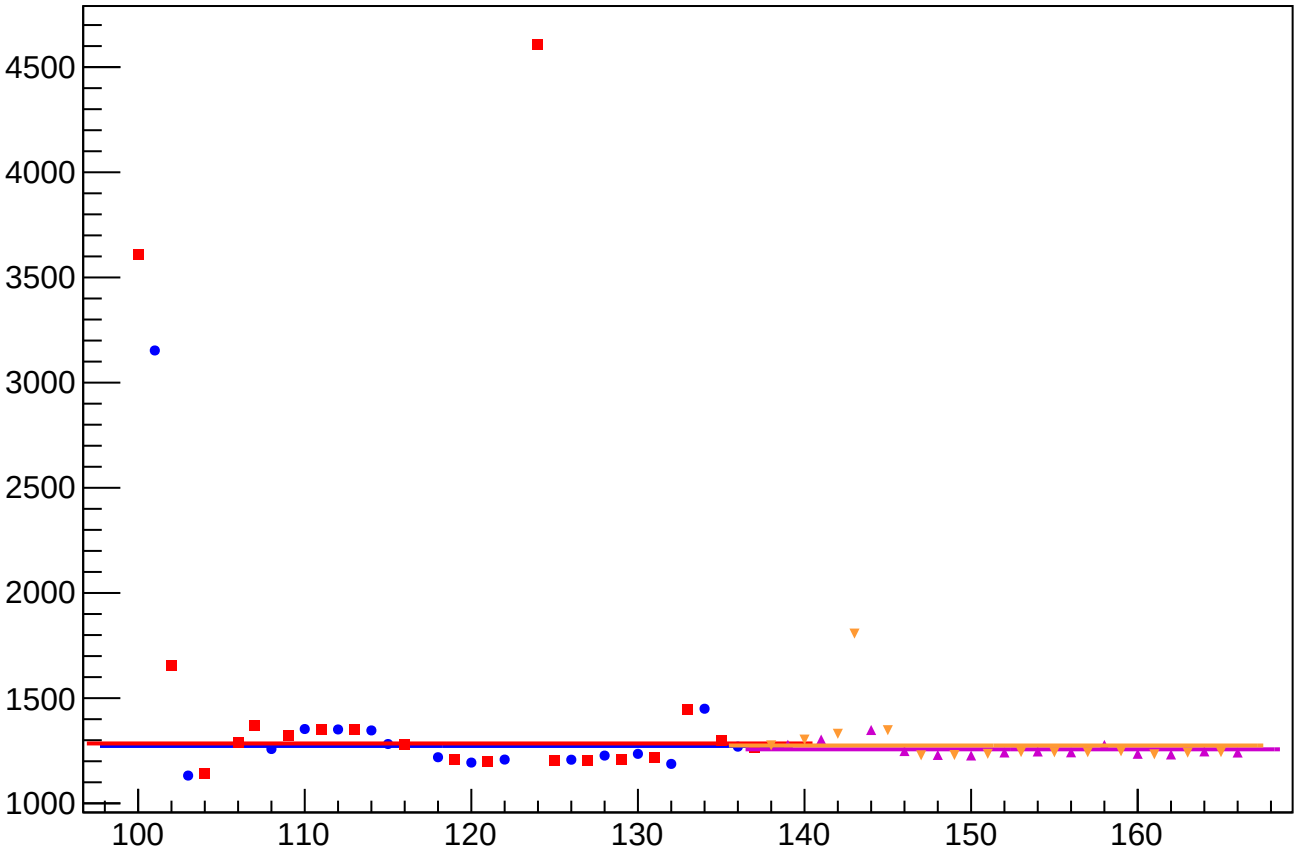
Left: -123.235+/-262.310 χ^2/NDF: 27.1/28

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -51.987+/-207.854 χ^2/NDF: 63.5/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

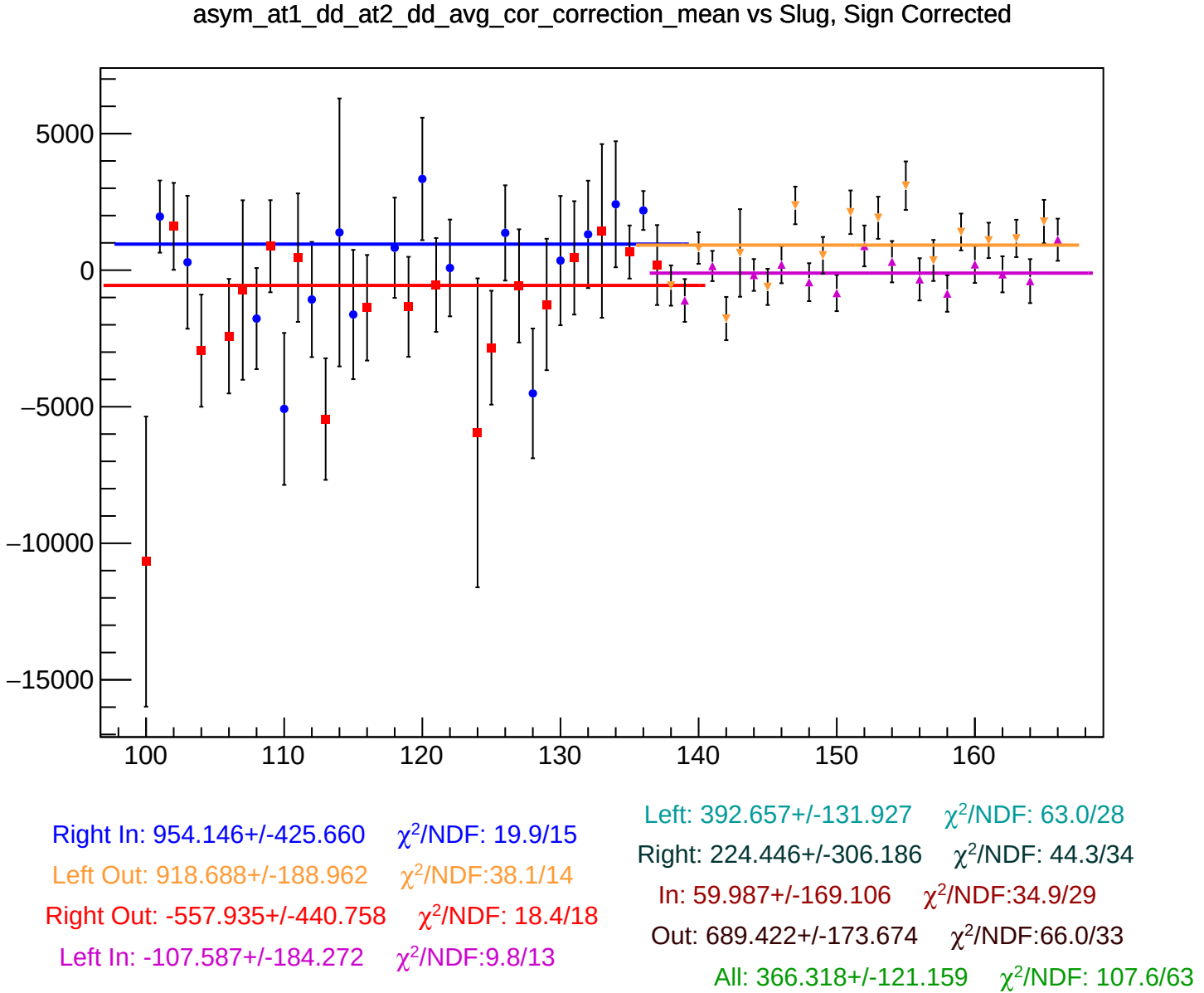
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

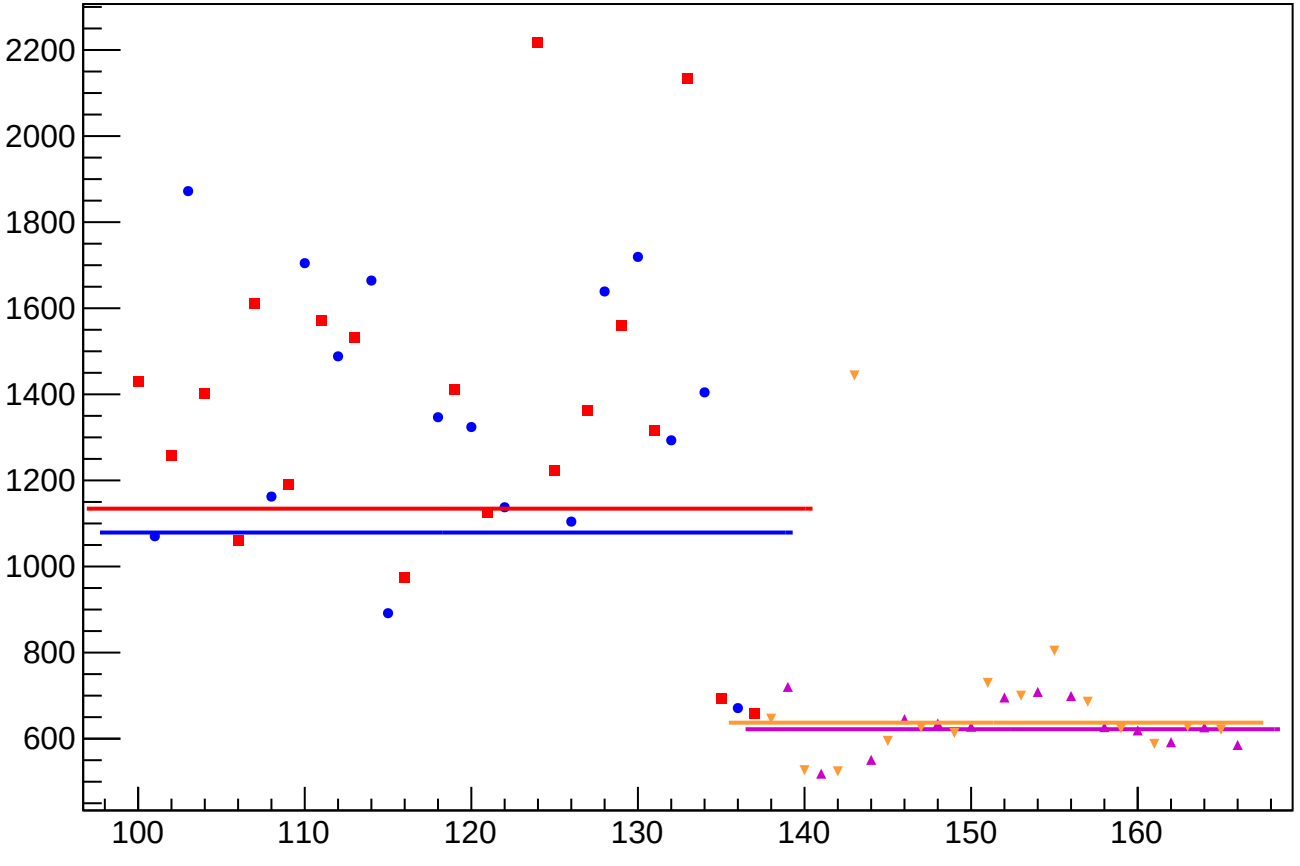
In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1270.611+/-0.147 χ^2/NDF: 1031270.9/63


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -107.587+/-184.272 χ²/NDF:9.8/13
Left: 392.657+/-131.927 χ²/NDF: 63.0/28
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 59.987+/-169.106 χ²/NDF:34.9/29
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 366.318+/-121.159 χ²/NDF: 107.6/63

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

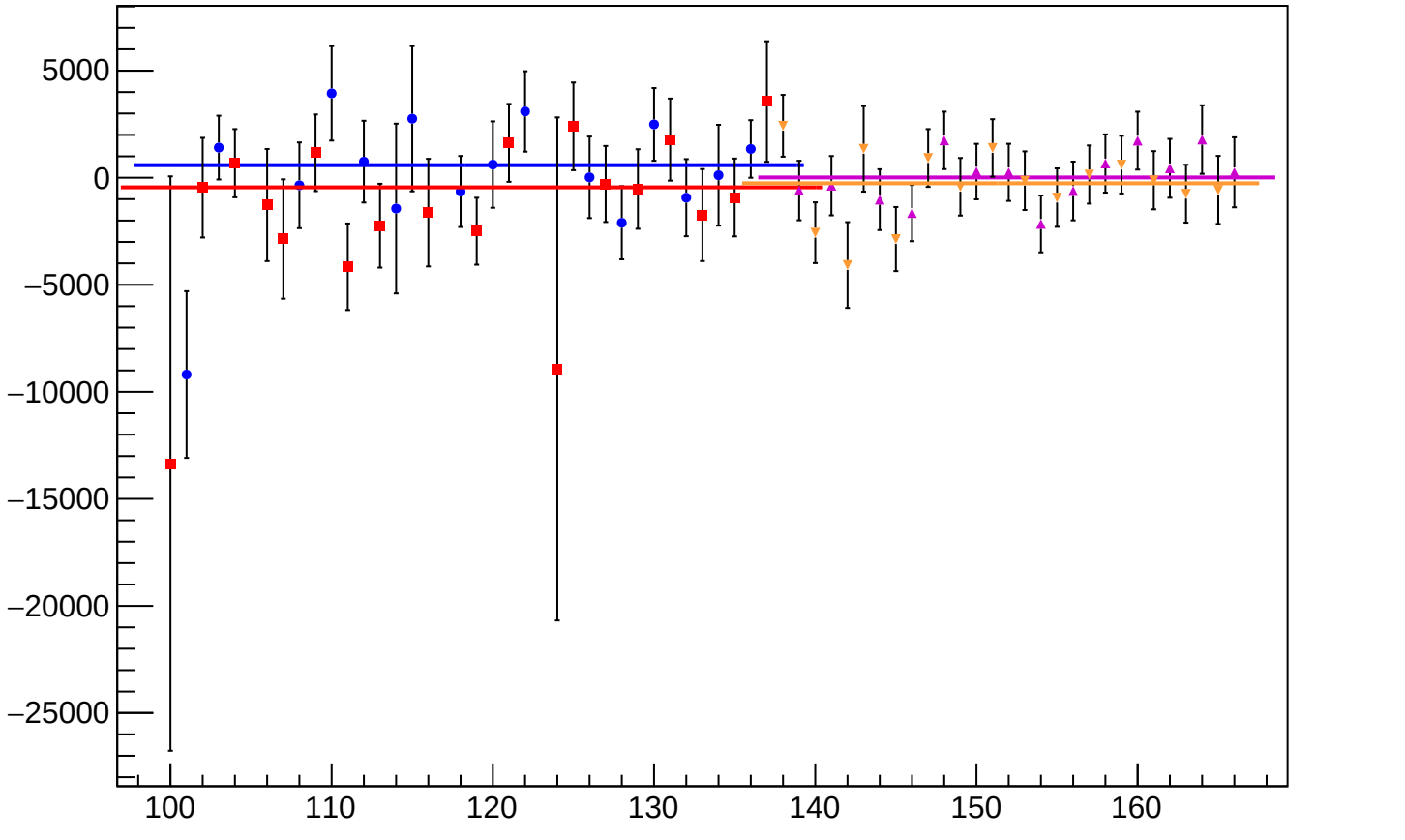
Left: 629.401+/-0.093 χ^2/NDF: 979786.0/28

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 703.983+/-0.086 χ^2/NDF: 7845934.7/63



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 12.535+/-369.955 χ^2/NDF:10.2/13

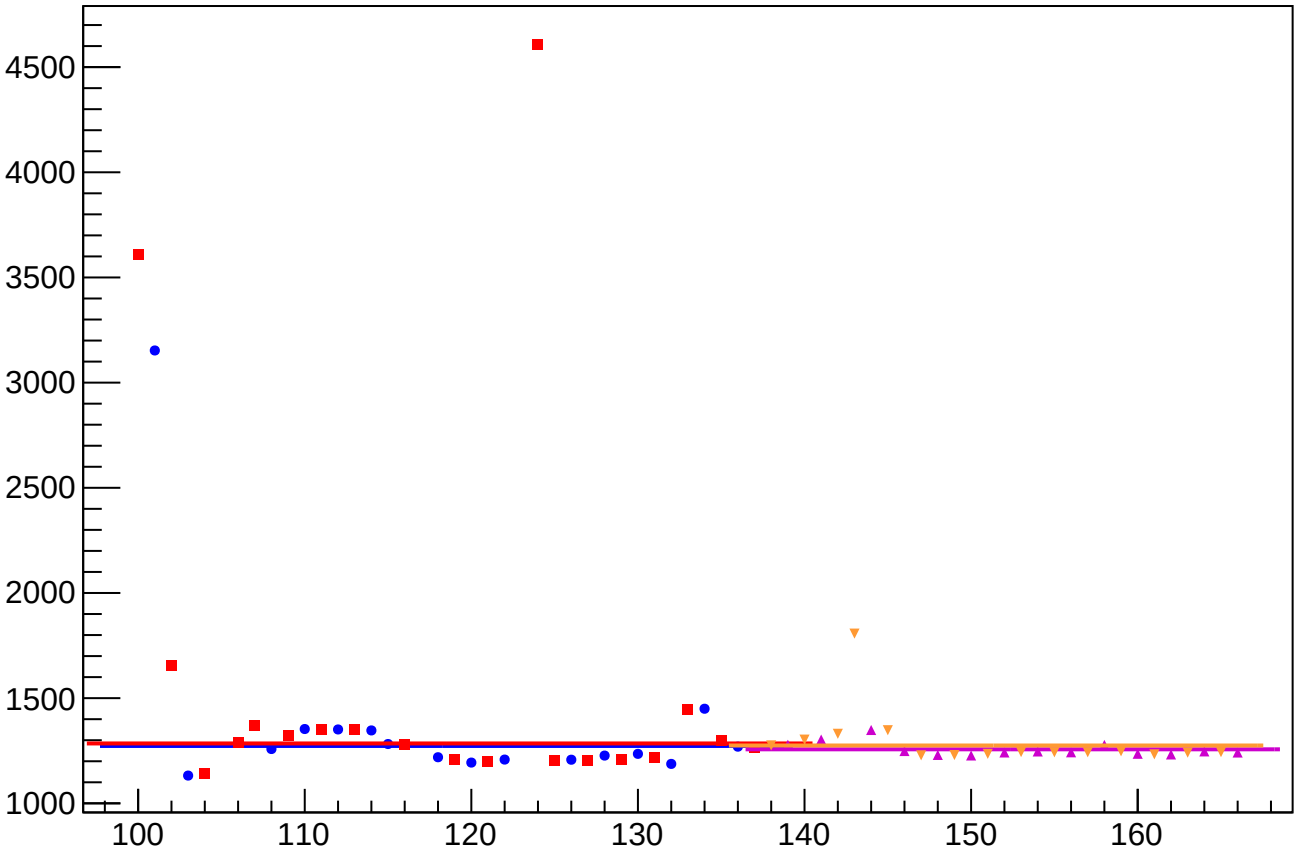
Left: -123.235+/-262.310 χ^2/NDF: 27.1/28

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 225.354+/-293.572 χ^2/NDF:28.2/29

Out: -330.759+/-294.329 χ^2/NDF:33.6/33

All: -51.987+/-207.854 χ^2/NDF: 63.5/63



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1256.764+/-0.262 χ^2/NDF:15395.5/13

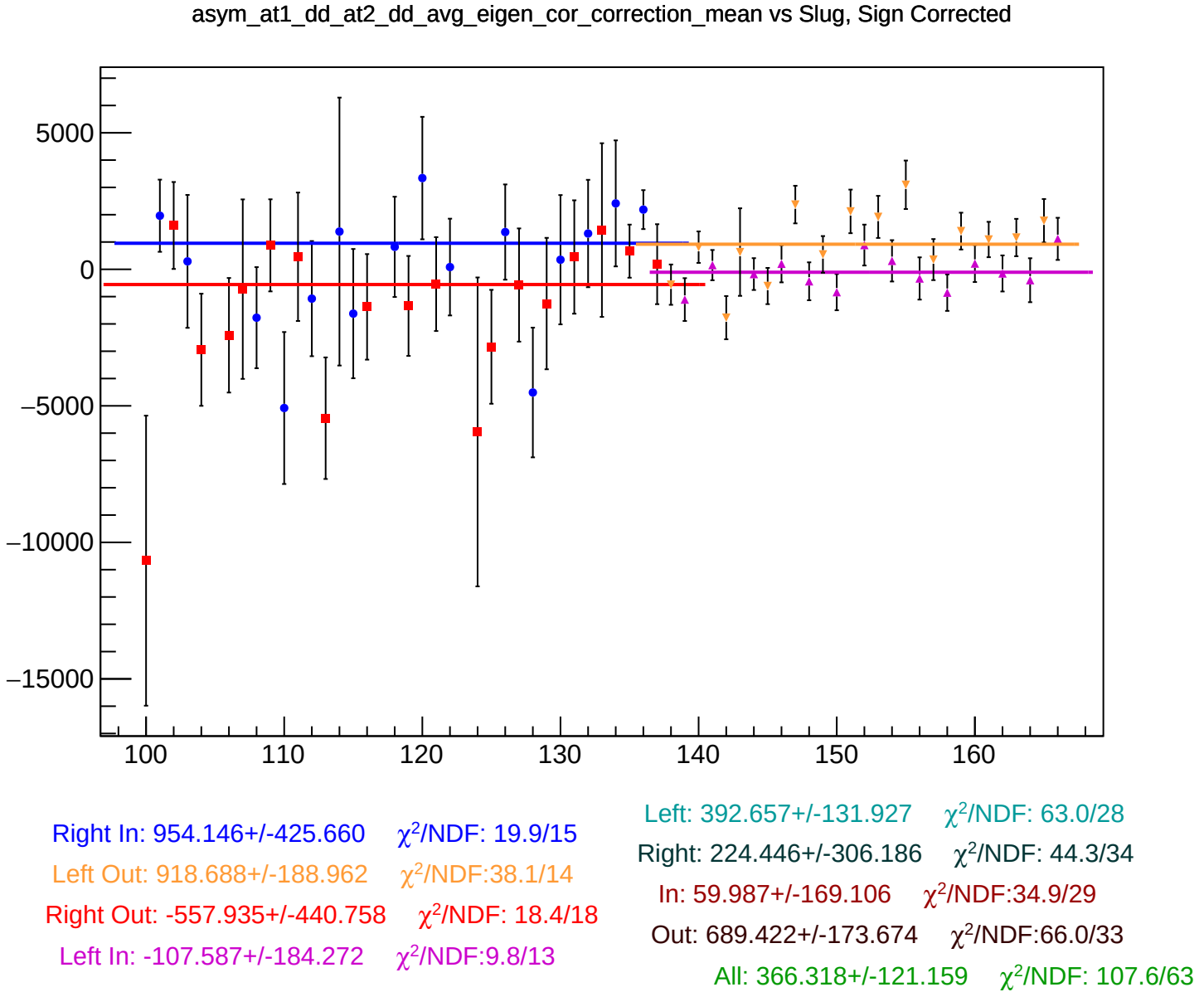
Left: 1265.792+/-0.185 χ^2/NDF: 180817.6/28

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1262.704+/-0.208 χ^2/NDF:536087.2/29

Out: 1278.559+/-0.208 χ^2/NDF:492274.3/33

All: 1270.611+/-0.147 χ^2/NDF: 1031270.9/63


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
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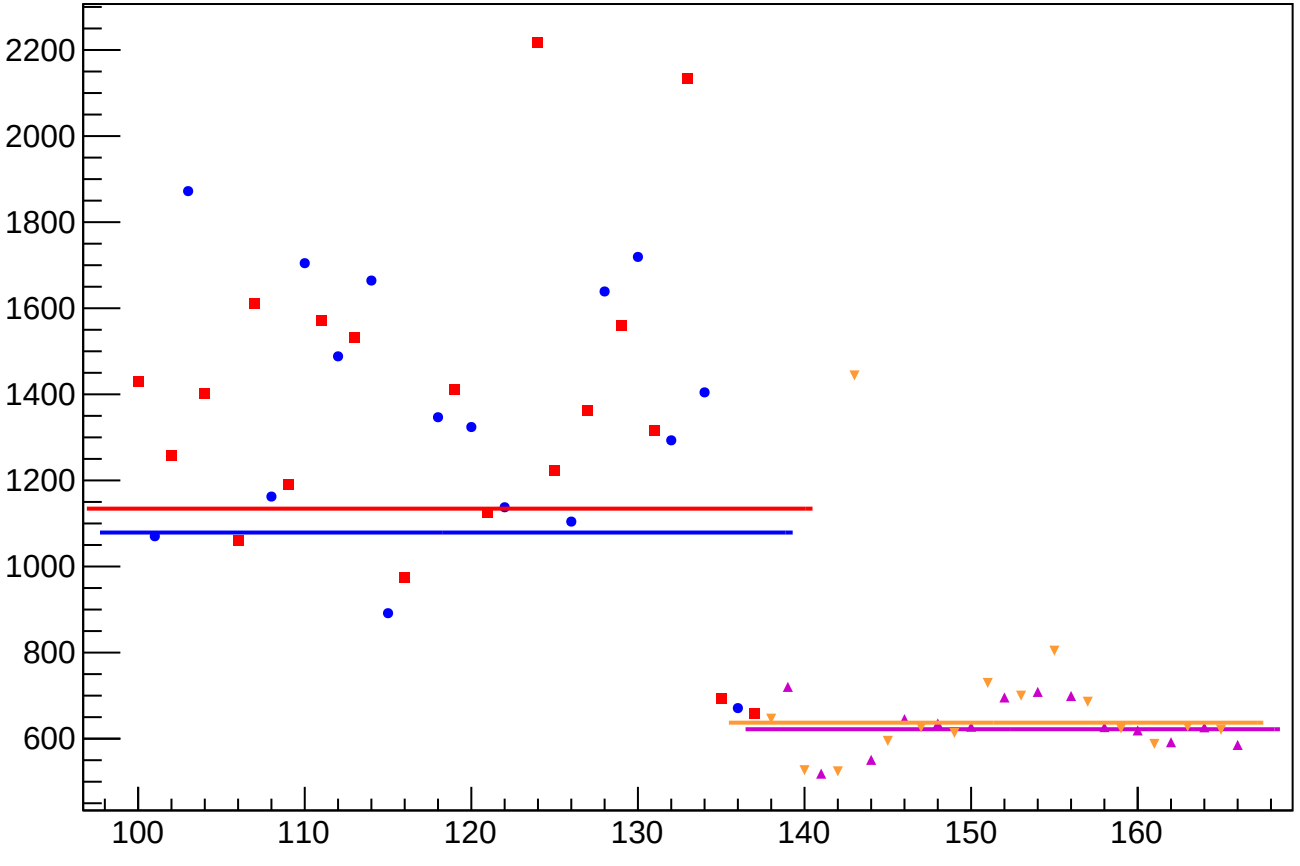
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 918.688+/-188.962 χ²/NDF:38.1/14
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -107.587+/-184.272 χ²/NDF:9.8/13
Left: 392.657+/-131.927 χ²/NDF: 63.0/28
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 59.987+/-169.106 χ²/NDF:34.9/29
Out: 689.422+/-173.674 χ²/NDF:66.0/33
All: 366.318+/-121.159 χ²/NDF: 107.6/63

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.982+/-0.130 χ^2/NDF:208331.8/13

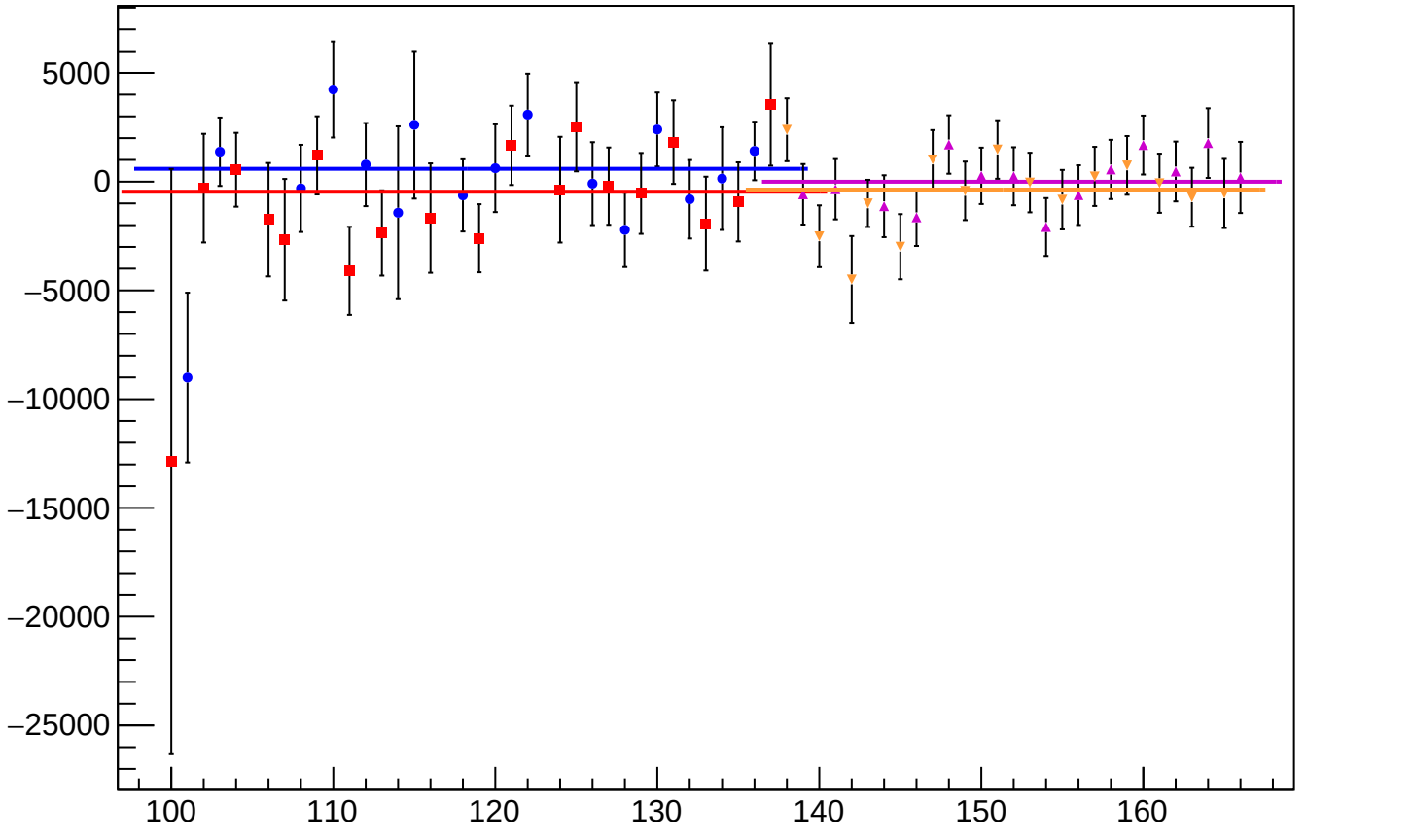
Left: 629.401+/-0.093 χ^2/NDF: 979786.0/28

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 694.102+/-0.120 χ^2/NDF:3628117.7/29

Out: 714.404+/-0.123 χ^2/NDF:4203788.5/33

All: 703.983+/-0.086 χ^2/NDF: 7845934.7/63



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -3.389+/-370.281 χ^2/NDF:9.9/13

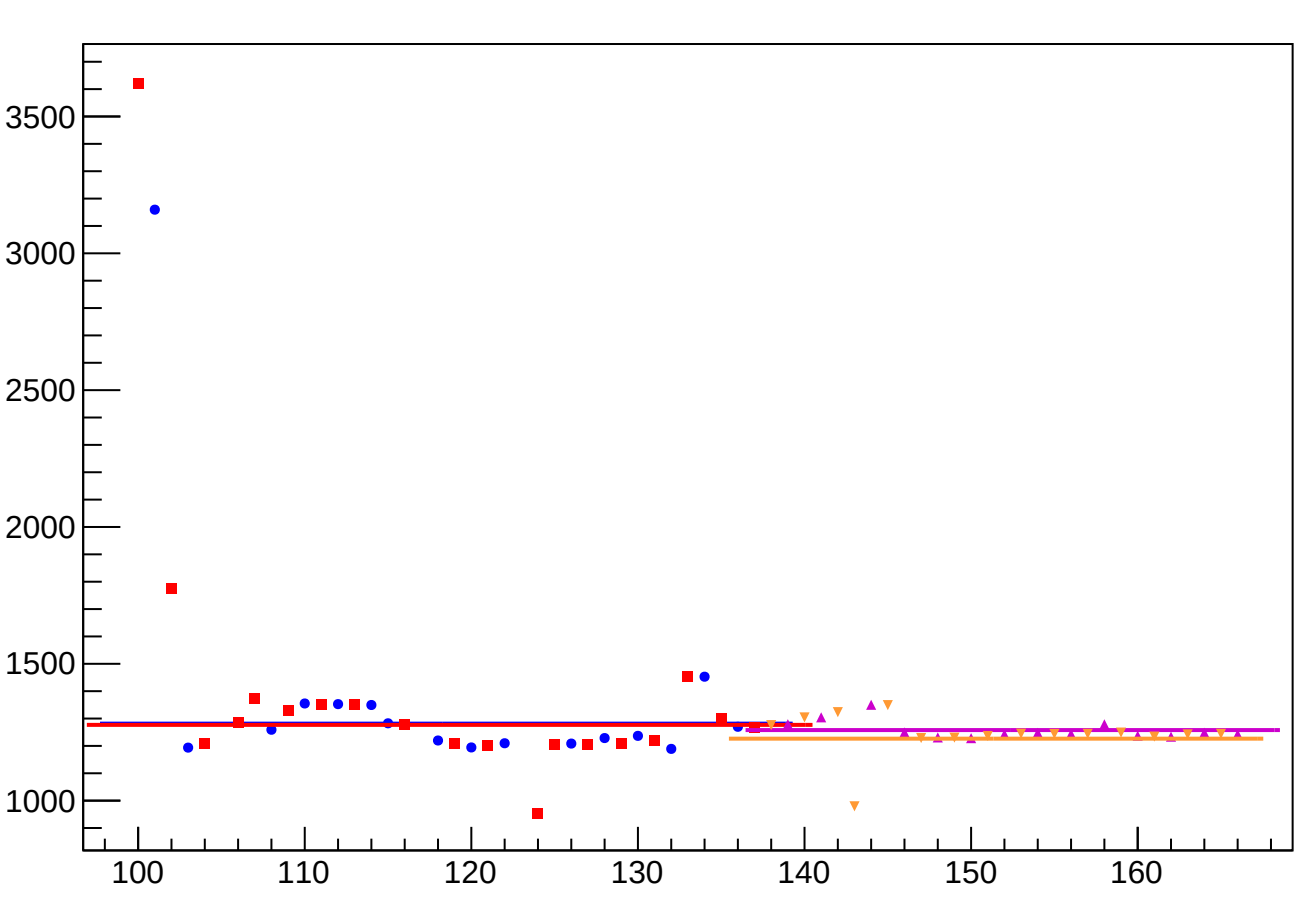
Left: -189.985+/-257.237 χ^2/NDF: 28.1/28

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 214.965+/-294.419 χ^2/NDF:27.9/29

Out: -399.530+/-286.092 χ^2/NDF:34.4/33

All: -101.096+/-205.178 χ^2/NDF: 64.6/63



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1257.869+/-0.262 χ^2/NDF:15483.0/13

Left: 1241.626+/-0.182 χ^2/NDF: 155645.6/28

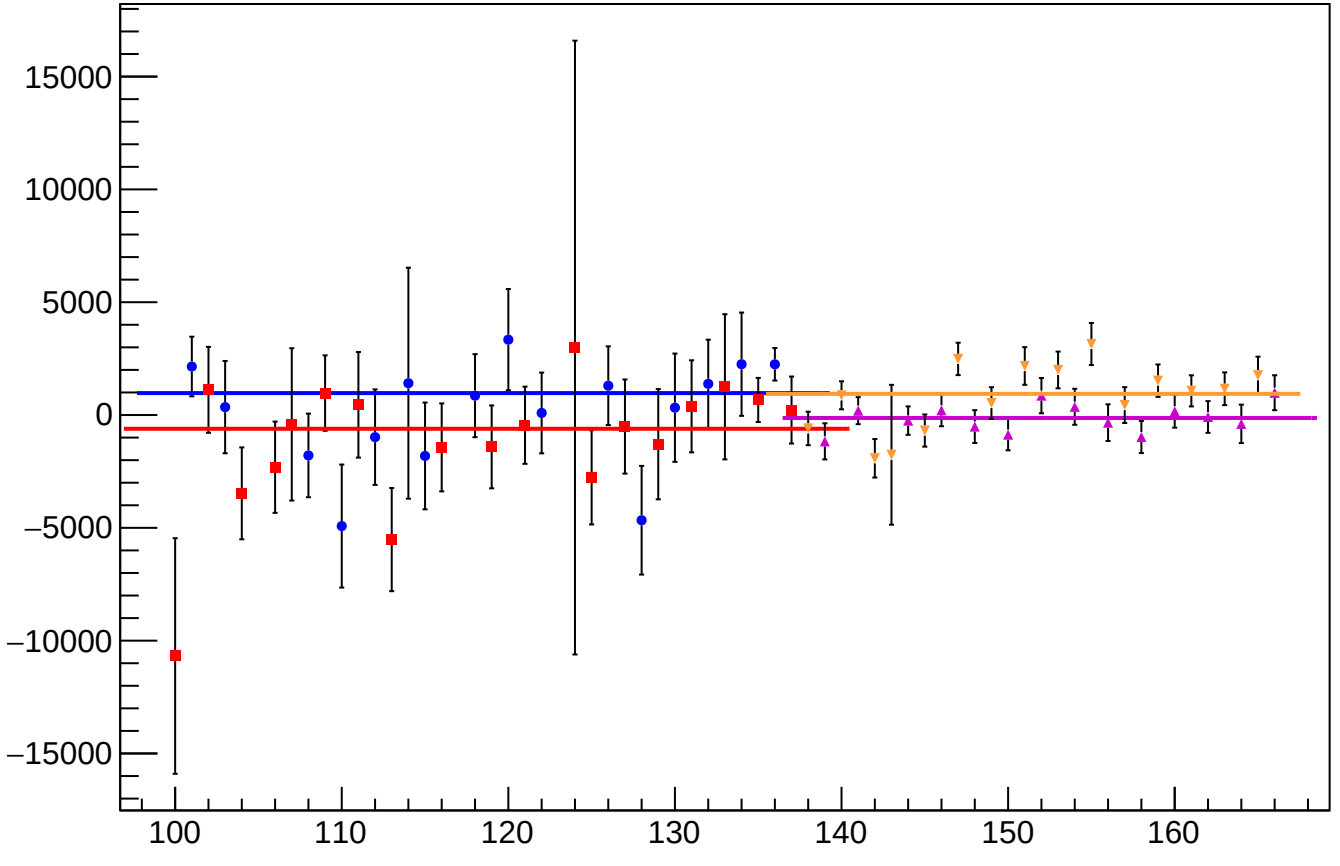
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1266.512+/-0.208 χ^2/NDF:525524.1/29

Out: 1244.615+/-0.202 χ^2/NDF:367531.4/33

All: 1255.249+/-0.145 χ^2/NDF: 898745.5/63

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 939.024+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -130.263+/-194.288 χ^2/NDF:9.4/13

Left: 388.032+/-139.467 χ^2/NDF: 62.2/28

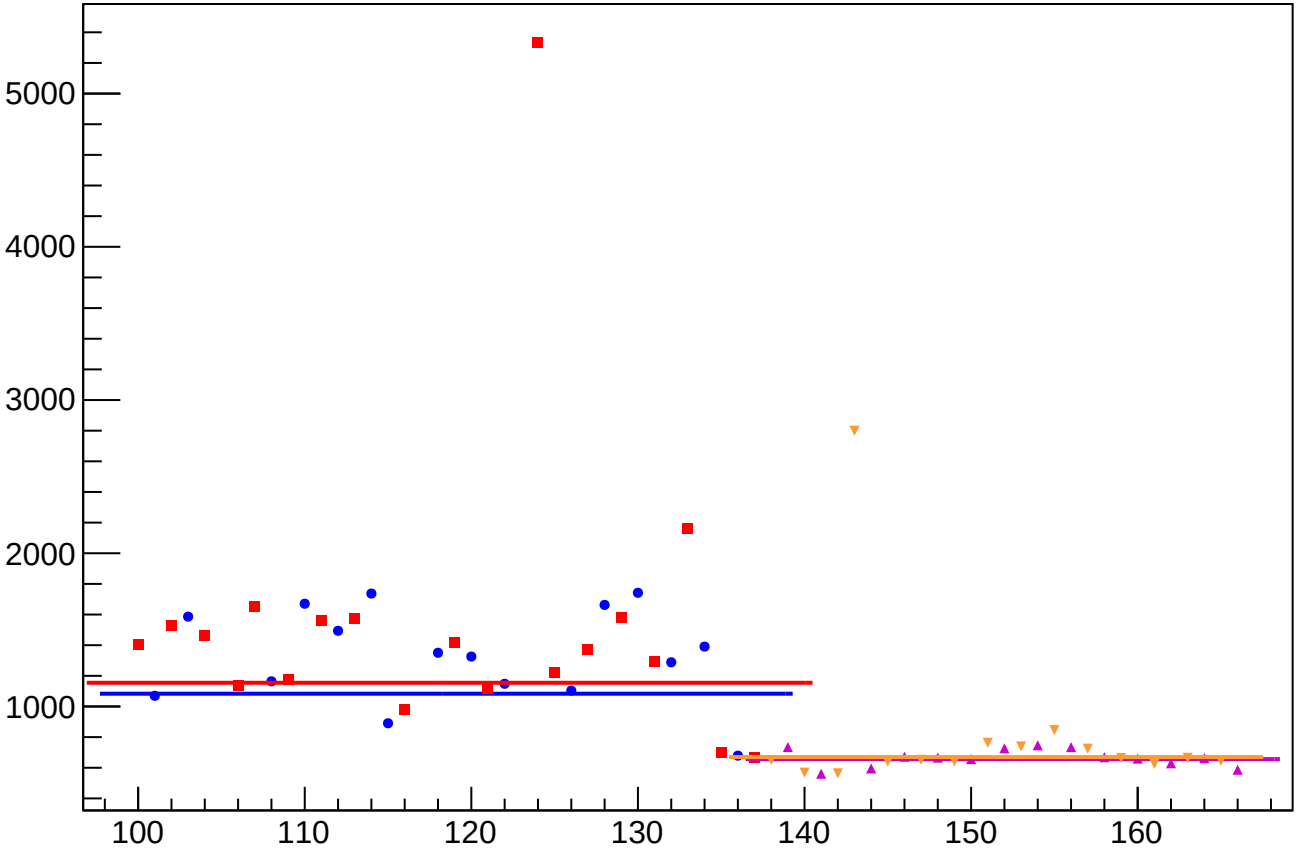
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 60.161+/-176.715 χ^2/NDF:35.5/29

Out: 680.923+/-182.855 χ^2/NDF:65.2/33

All: 359.945+/-127.072 χ^2/NDF: 106.6/63

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168568.4/14

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.488+/-0.137 χ^2/NDF:170594.9/13

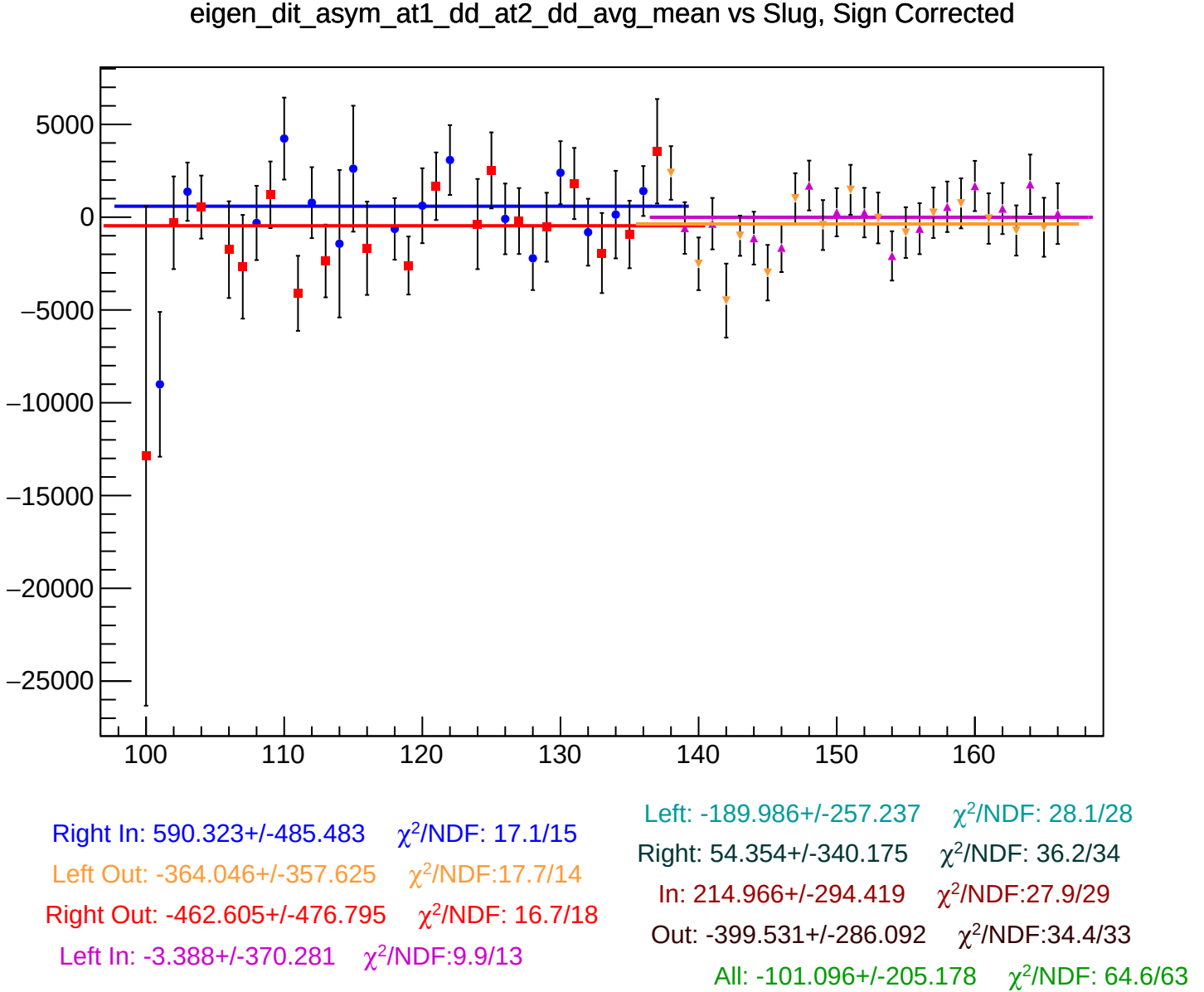
Left: 662.954+/-0.099 χ^2/NDF: 1343734.2/28

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 730.209+/-0.125 χ^2/NDF:3198020.4/29

Out: 750.705+/-0.129 χ^2/NDF:4611395.2/33

All: 740.107+/-0.090 χ^2/NDF: 7822407.9/63


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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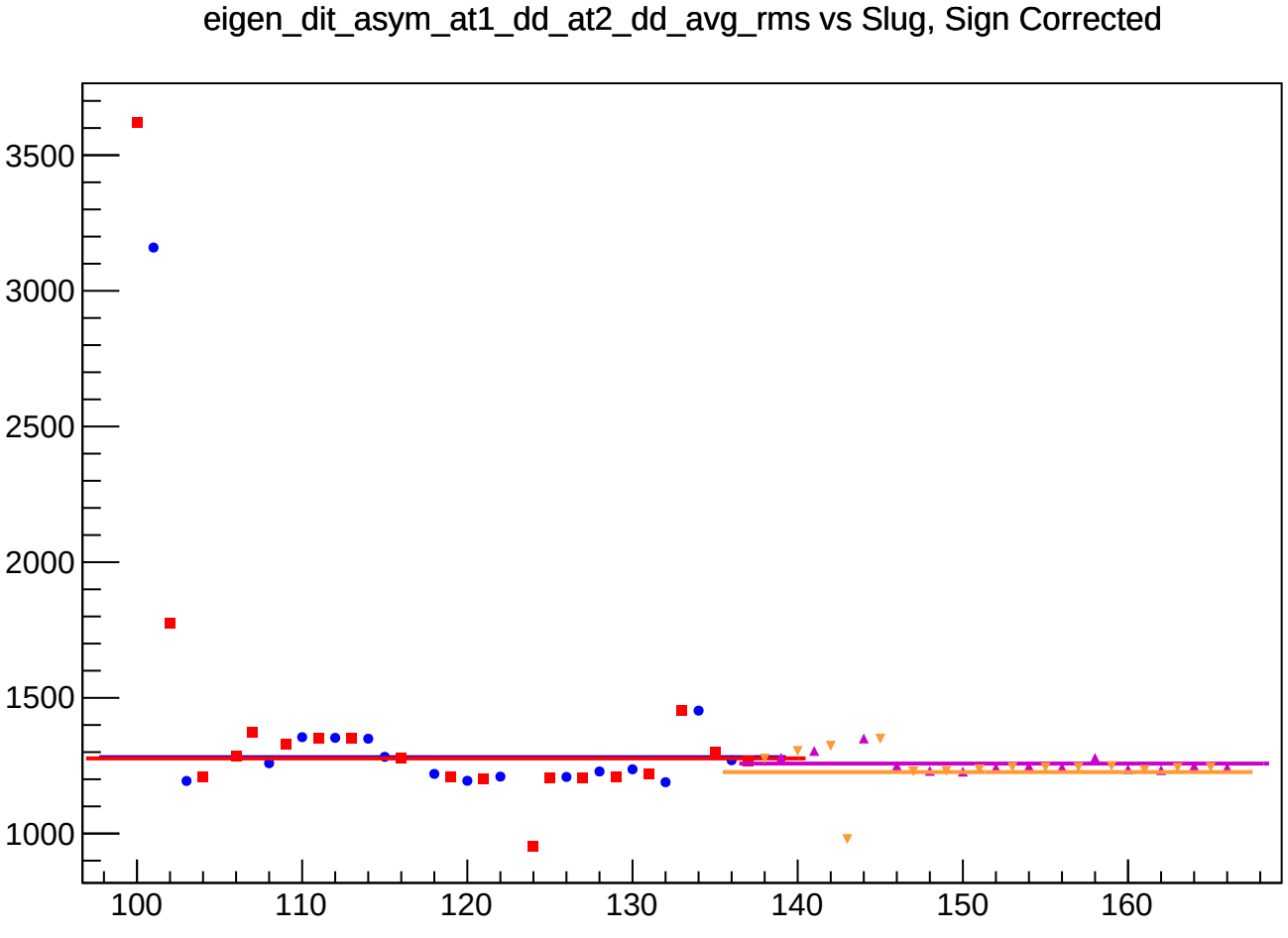
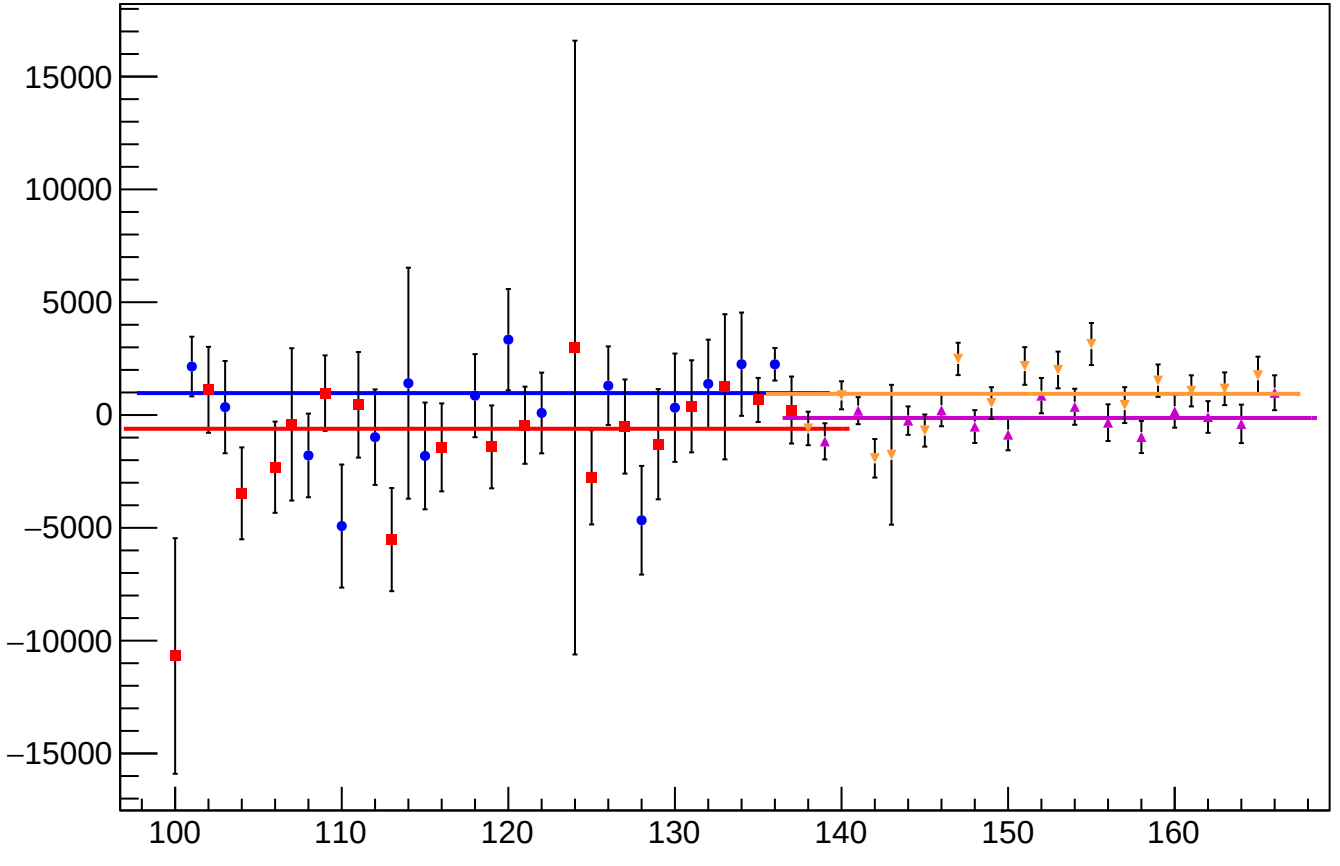
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -364.046+/-357.625 χ²/NDF:17.7/14
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -3.388+/-370.281 χ²/NDF:9.9/13
Left: -189.986+/-257.237 χ²/NDF: 28.1/28
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 214.966+/-294.419 χ²/NDF:27.9/29
Out: -399.531+/-286.092 χ²/NDF:34.4/33
All: -101.096+/-205.178 χ²/NDF: 64.6/63


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1226.474+/-0.253 χ²/NDF:132723.1/14
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1257.869+/-0.262 χ²/NDF:15483.0/13
Left: 1241.626+/-0.182 χ²/NDF: 155644.9/28
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1266.512+/-0.208 χ²/NDF:525524.3/29
Out: 1244.615+/-0.202 χ²/NDF:367530.4/33
All: 1255.249+/-0.145 χ²/NDF: 898744.7/63

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 939.026+/-200.322 χ^2/NDF:38.1/14

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -130.262+/-194.288 χ^2/NDF:9.4/13

Left: 388.034+/-139.467 χ^2/NDF: 62.2/28

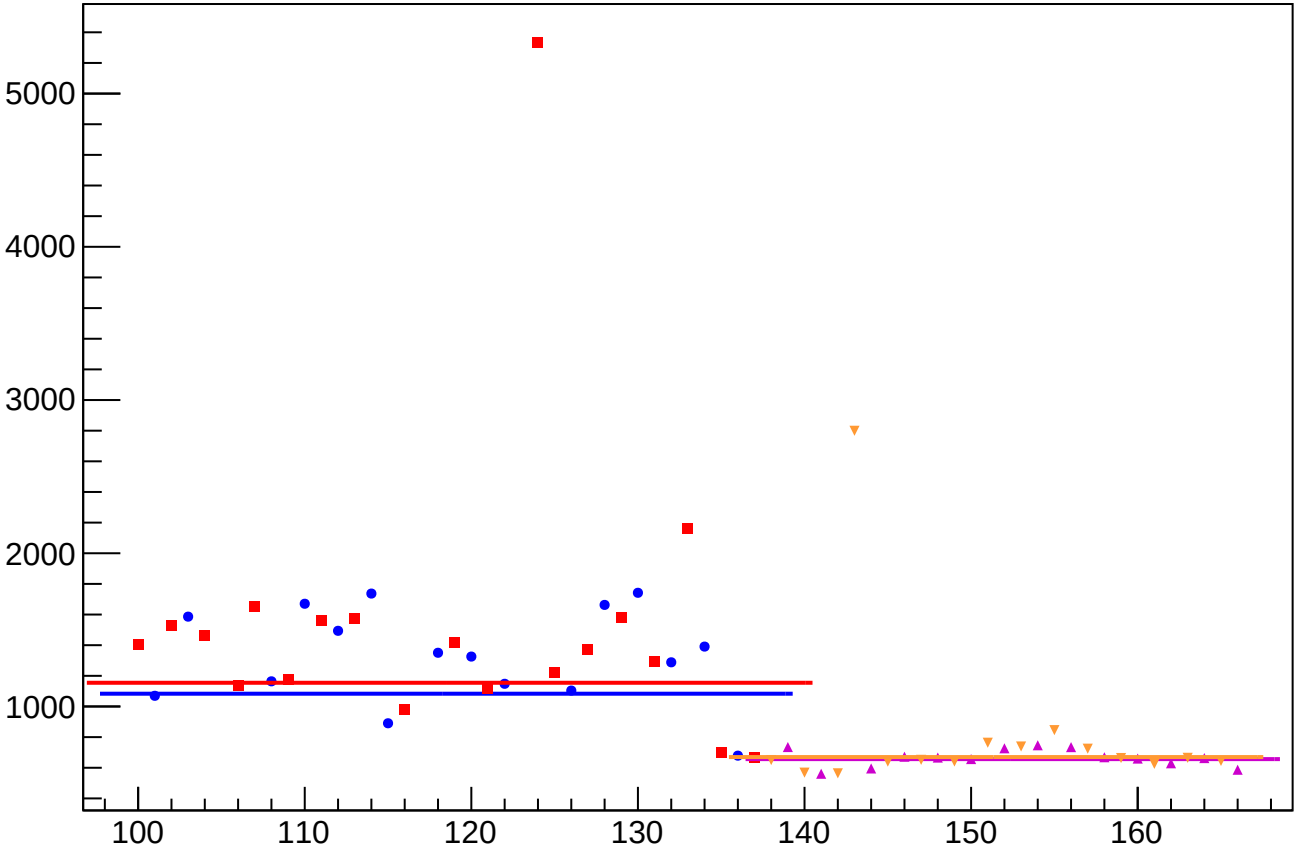
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 60.159+/-176.715 χ^2/NDF:35.5/29

Out: 680.925+/-182.855 χ^2/NDF:65.2/33

All: 359.945+/-127.072 χ^2/NDF: 106.6/63

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.487+/-0.137 χ^2/NDF:170598.3/13

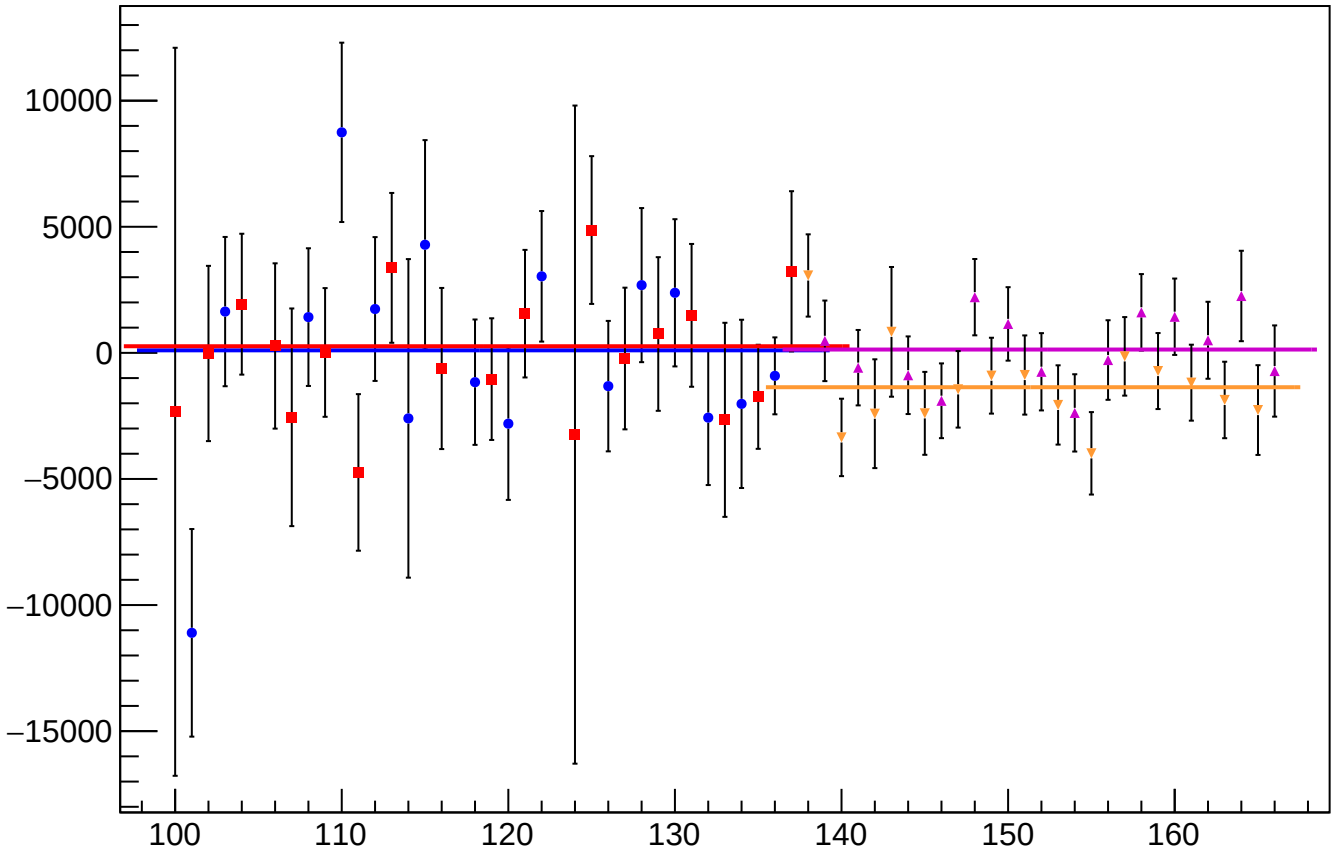
Left: 662.954+/-0.099 χ^2/NDF: 1343732.5/28

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 730.209+/-0.125 χ^2/NDF:3198009.9/29

Out: 750.706+/-0.129 χ^2/NDF:4611377.1/33

All: 740.108+/-0.090 χ^2/NDF: 7822380.4/63



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 131.750+/-415.433 χ^2/NDF:11.4/13

Left: -605.243+/-295.717 χ^2/NDF: 32.4/28

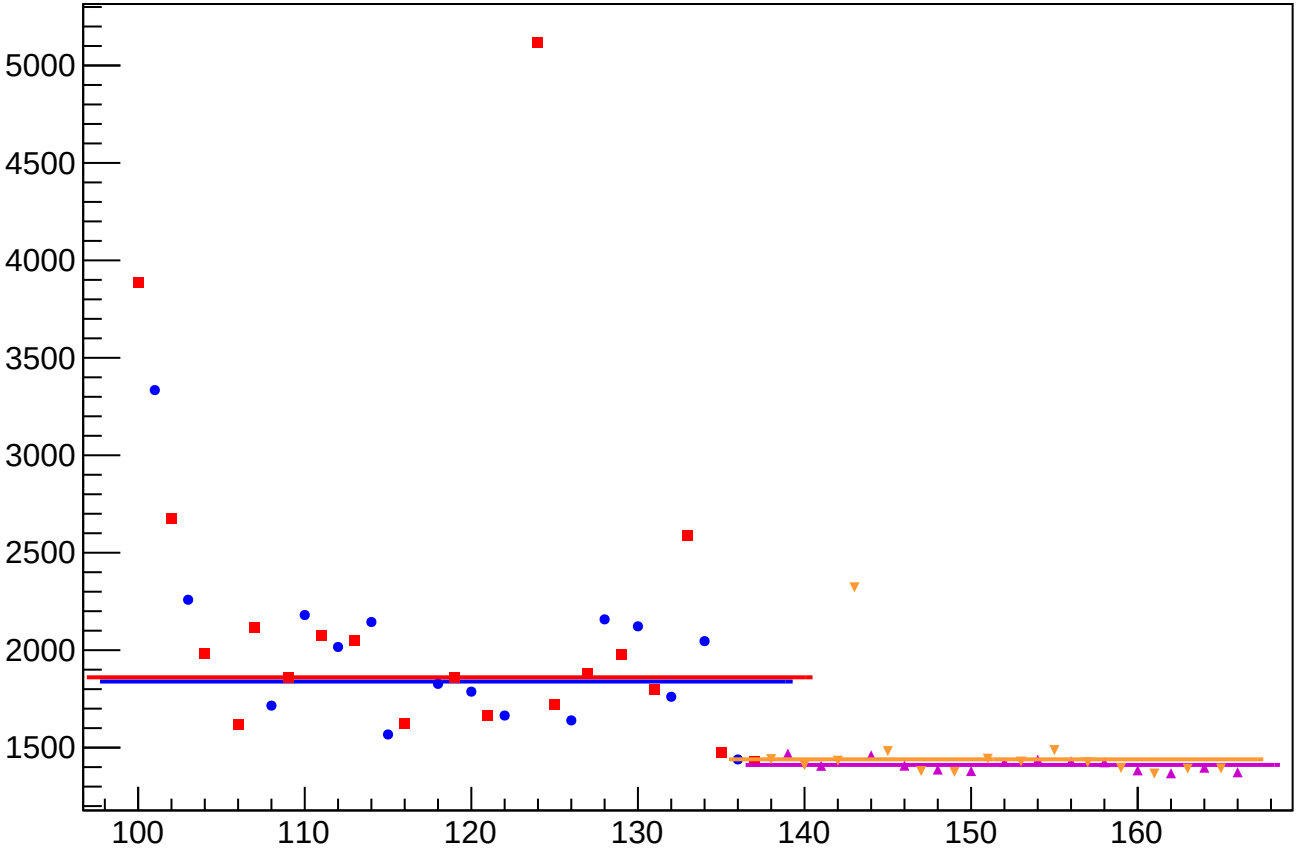
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 123.580+/-357.119 χ^2/NDF:32.7/29

Out: -930.299+/-360.762 χ^2/NDF:28.9/33

All: -398.012+/-253.800 χ^2/NDF: 65.9/63

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1411.277+/-0.294 χ^2/NDF:10630.6/13

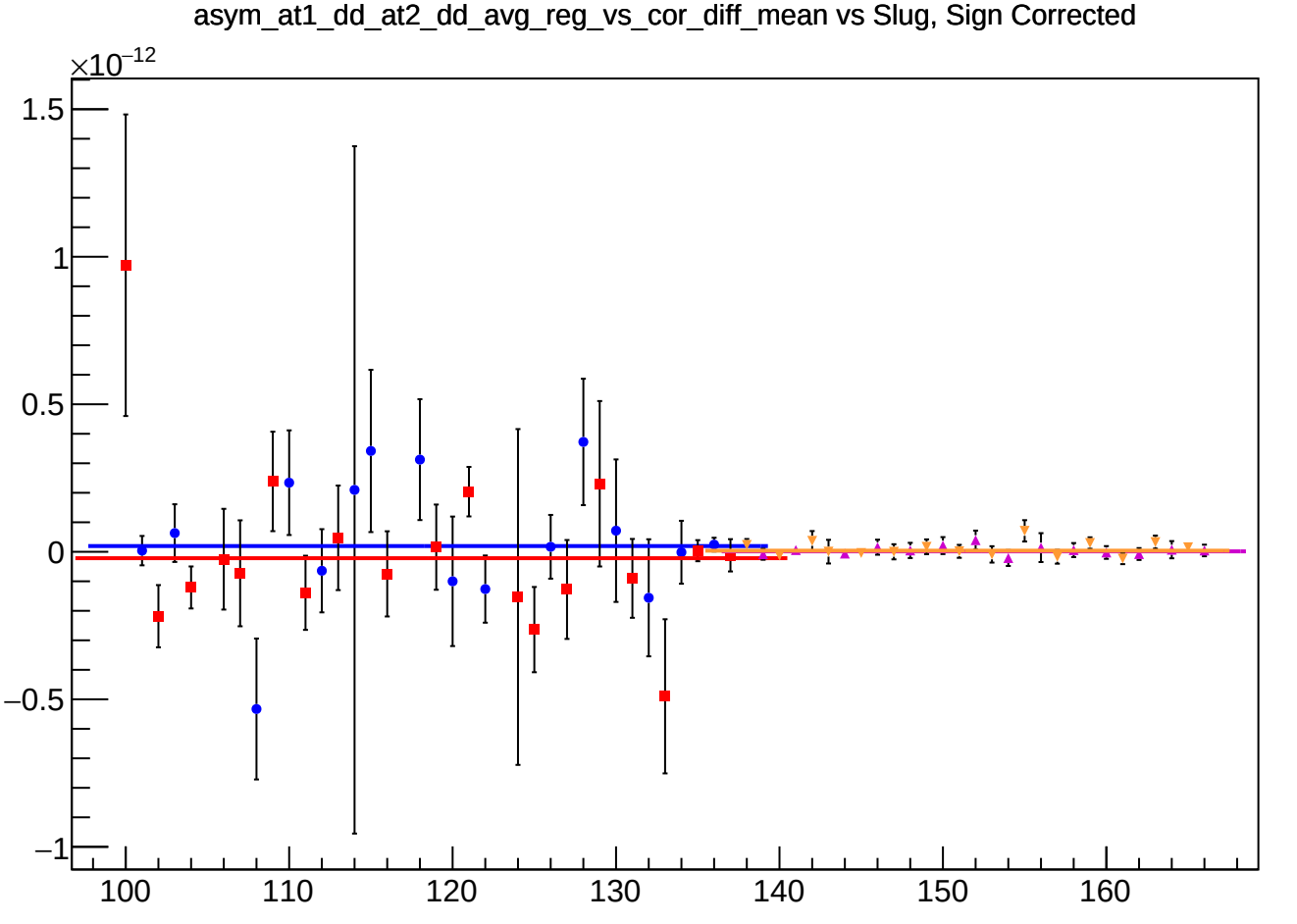
Left: 1425.453+/-0.209 χ^2/NDF: 271553.1/28

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1522.957+/-0.253 χ^2/NDF:1121060.1/29

Out: 1551.857+/-0.255 χ^2/NDF:1309216.1/33

All: 1537.260+/-0.179 χ^2/NDF: 2436758.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/13

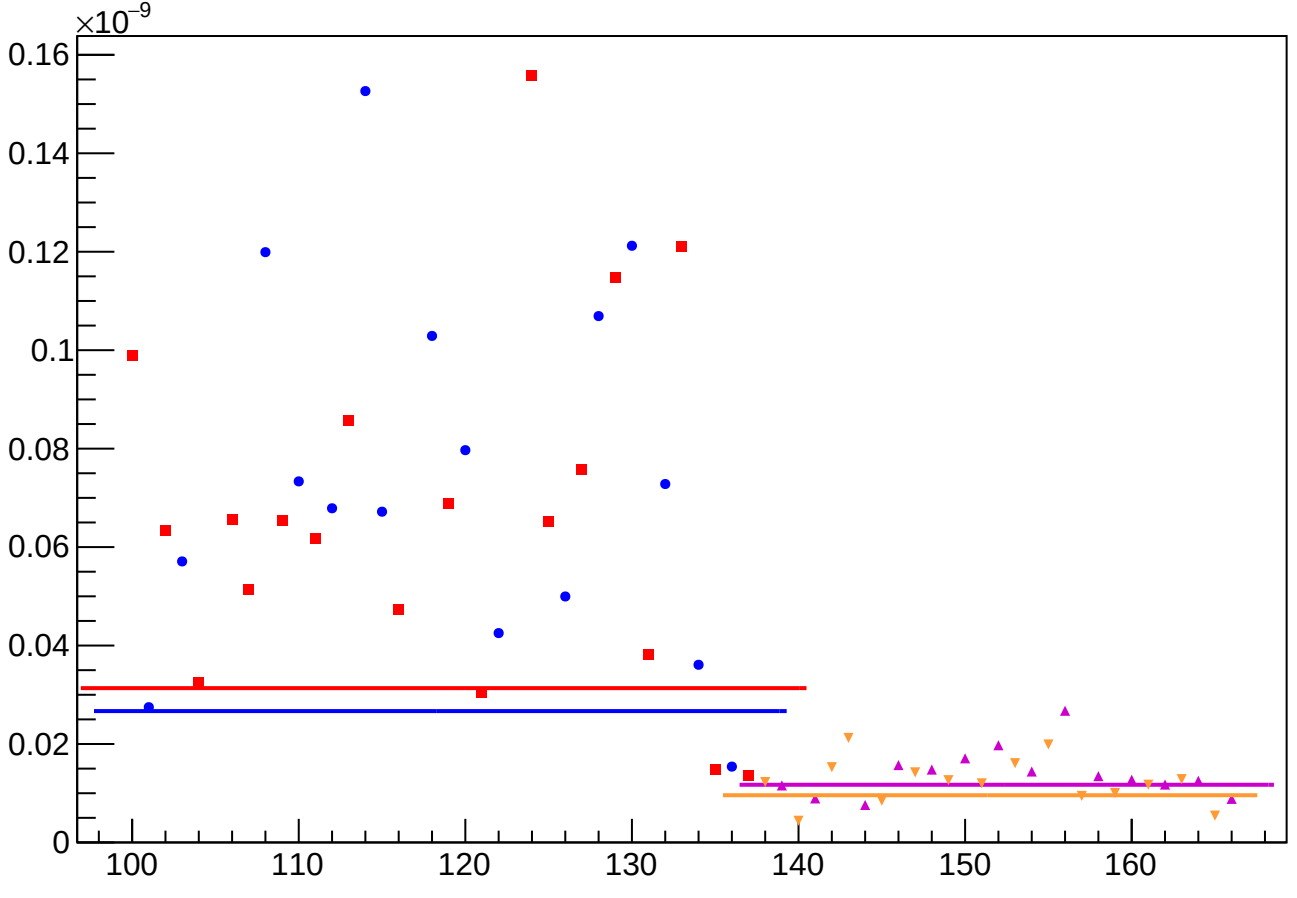
Left: 0.000+/-0.000 χ^2/NDF: 19.3/28

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/29

Out: 0.000+/-0.000 χ^2/NDF:44.7/33

All: 0.000+/-0.000 χ^2/NDF: 66.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336137.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:787855.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2272971.4/28

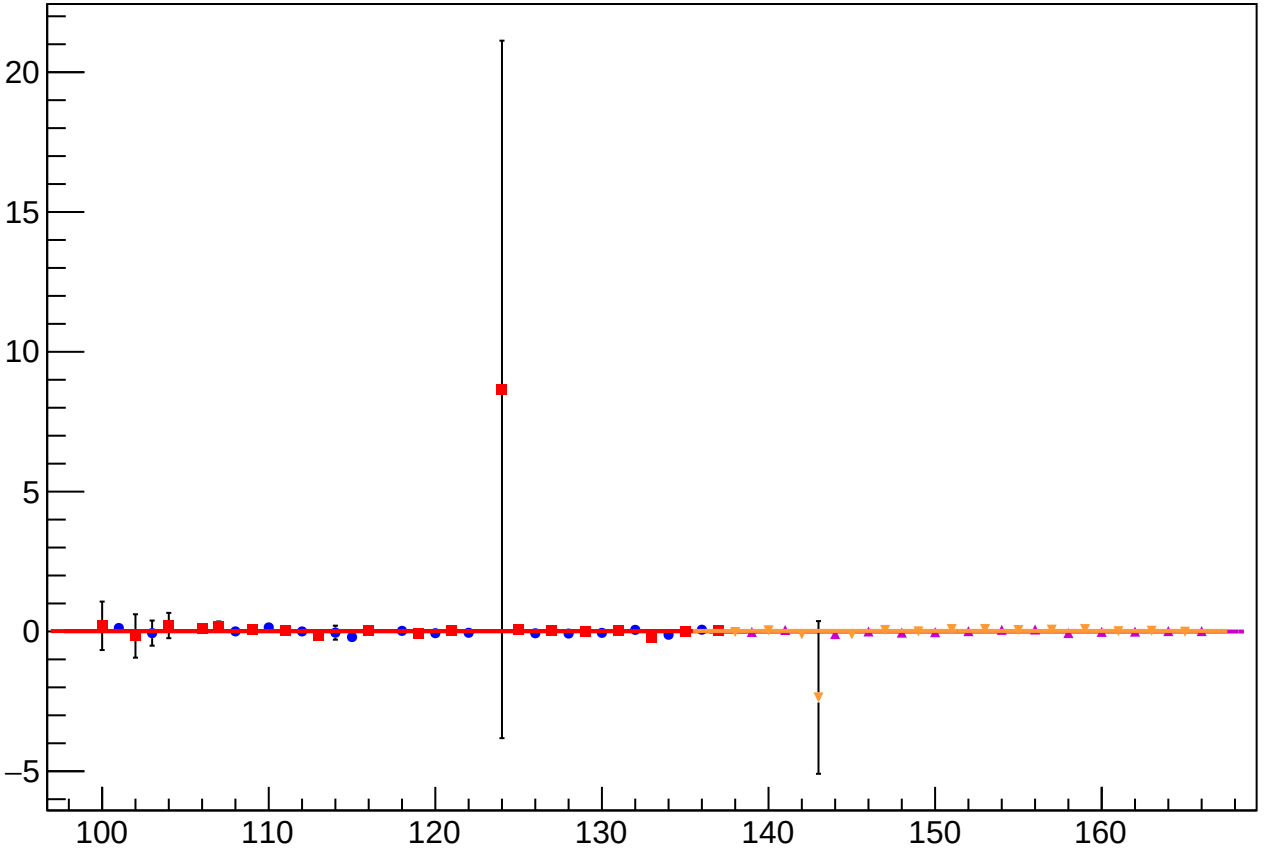
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4523994.1/29

Out: 0.000+/-0.000 χ^2/NDF:5418552.5/33

All: 0.000+/-0.000 χ^2/NDF: 10134956.0/63

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

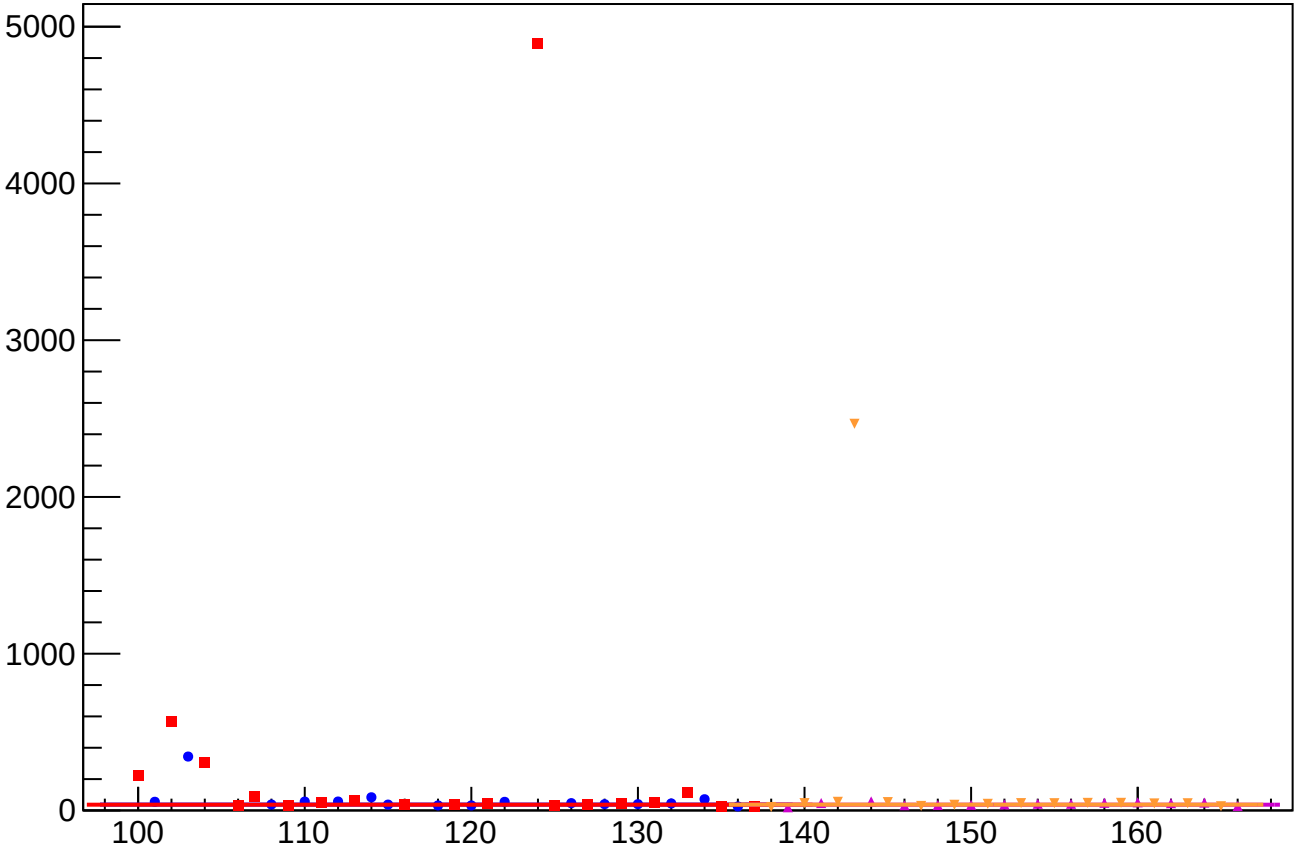
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

Left: 36.882+/-0.006 χ^2/NDF: 4688782.1/28

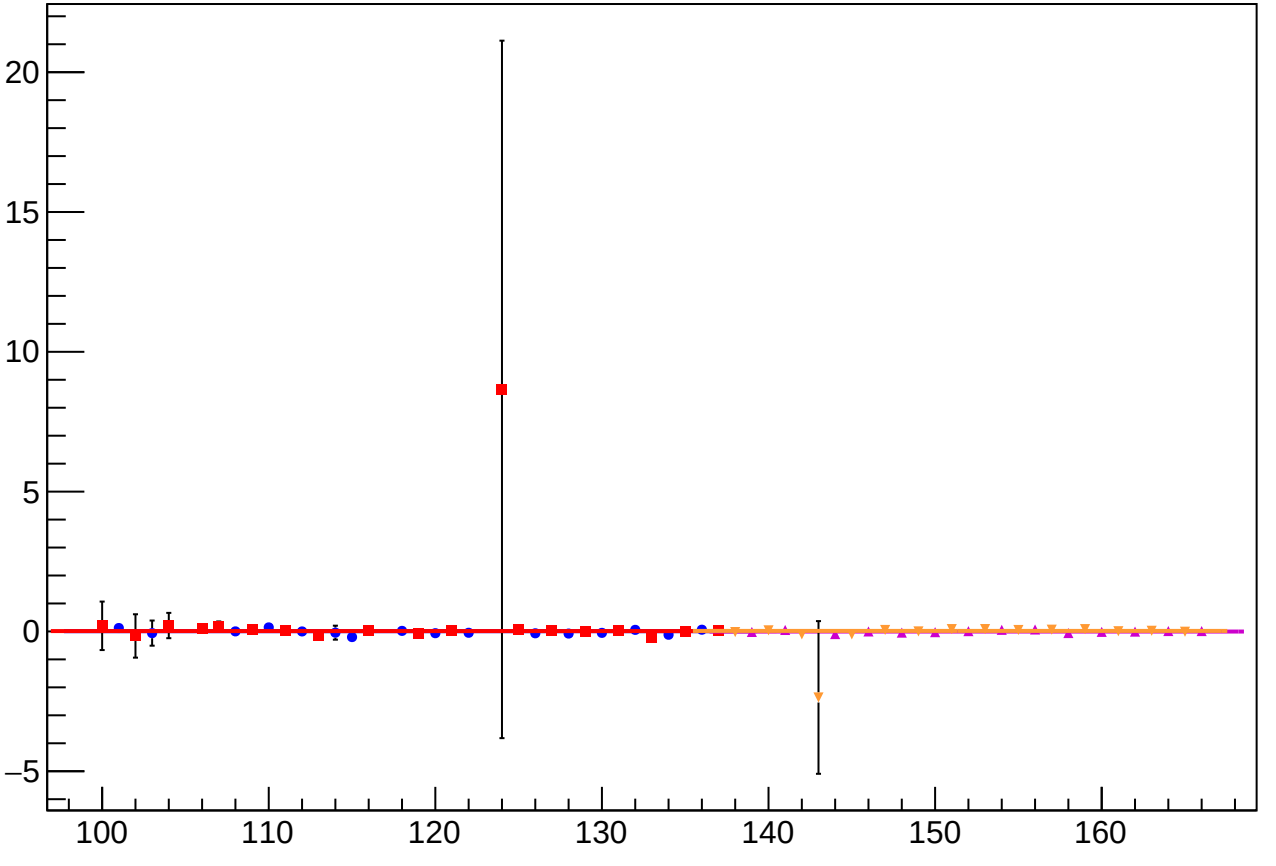
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 36.974+/-0.005 χ^2/NDF: 9865392.8/63

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

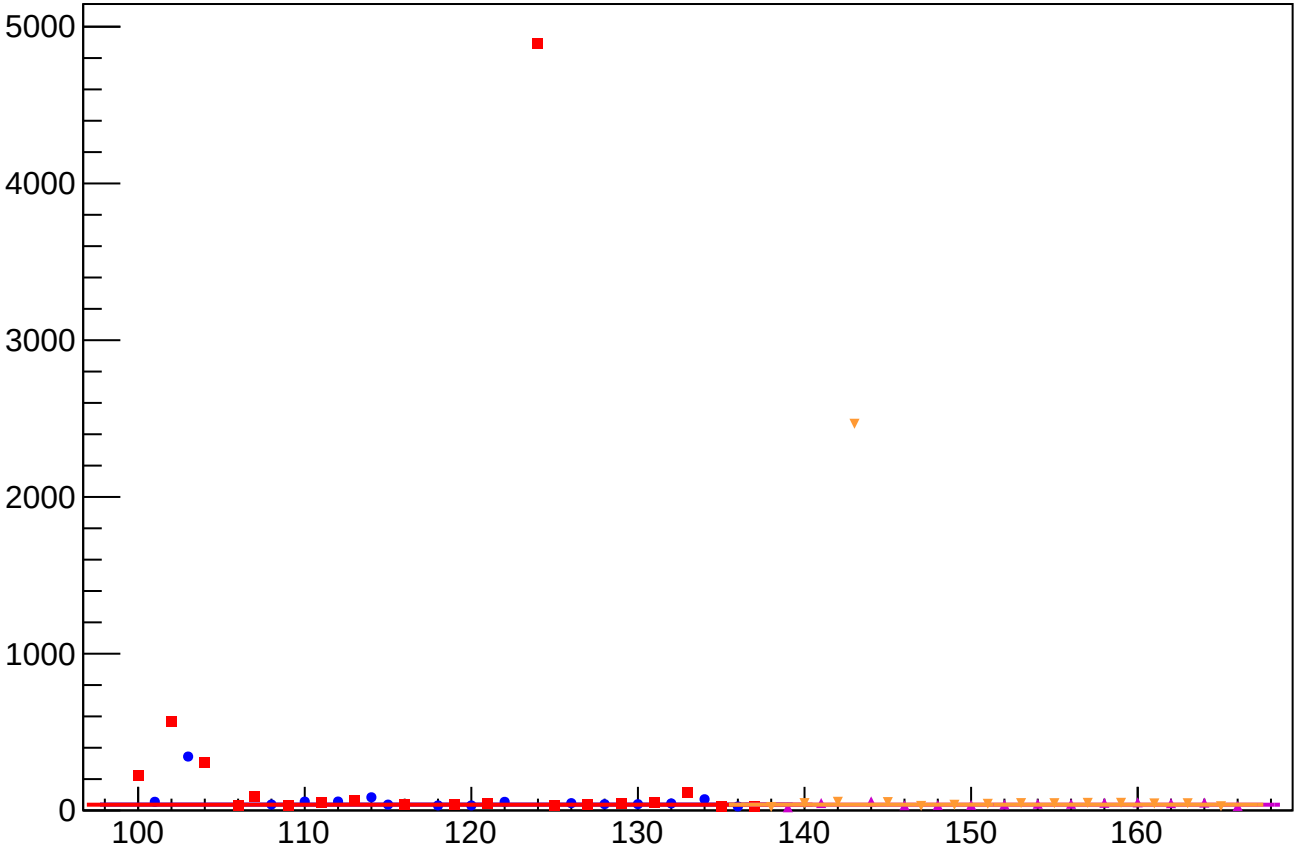
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.652+/-0.008 χ^2/NDF:1574049.5/13

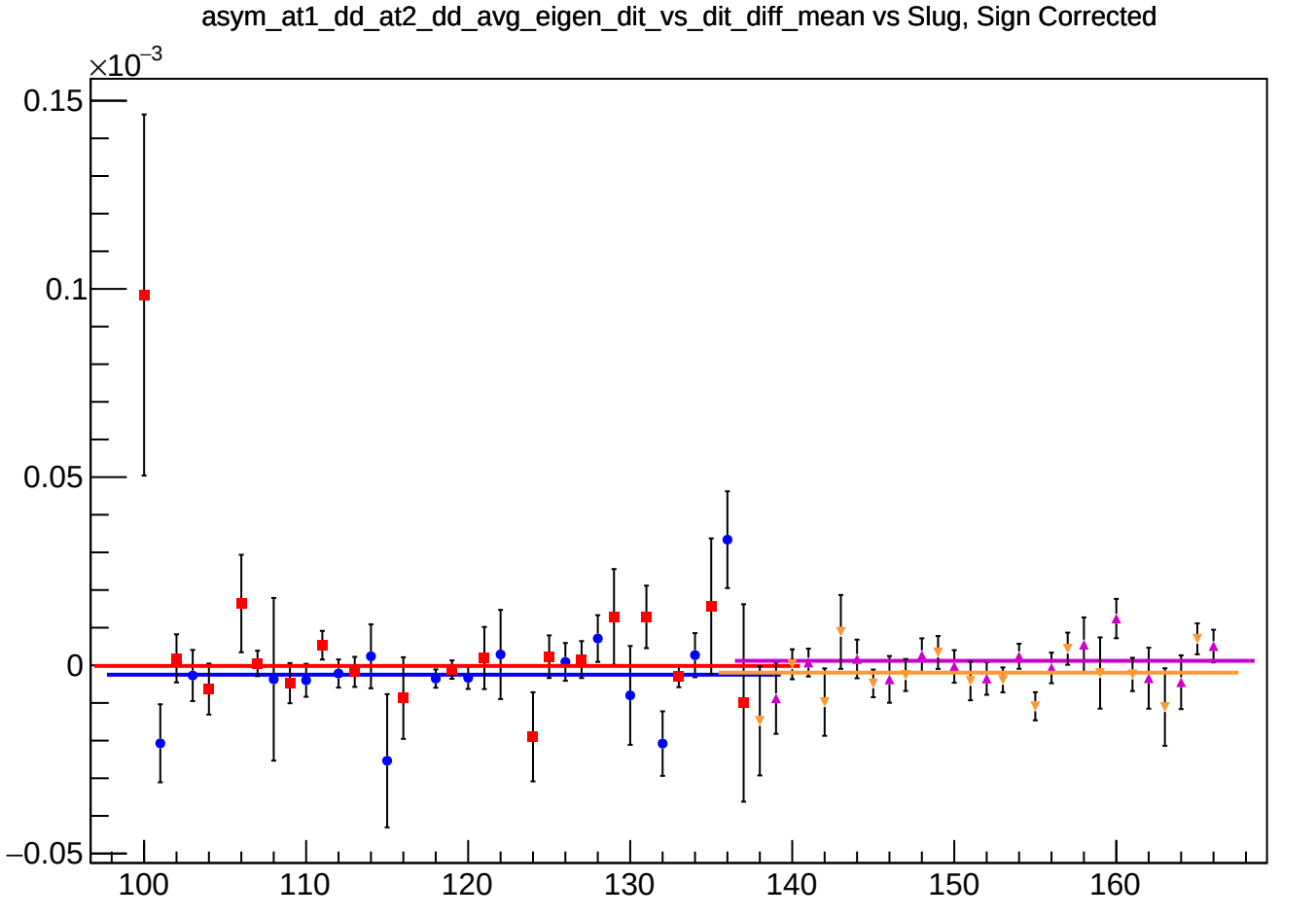
Left: 36.882+/-0.006 χ^2/NDF: 4688782.1/28

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.951+/-0.007 χ^2/NDF:3560868.2/29

Out: 36.999+/-0.007 χ^2/NDF:6304499.6/33

All: 36.974+/-0.005 χ^2/NDF: 9865392.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

Left: -0.000+/-0.000 χ^2/NDF: 32.6/28

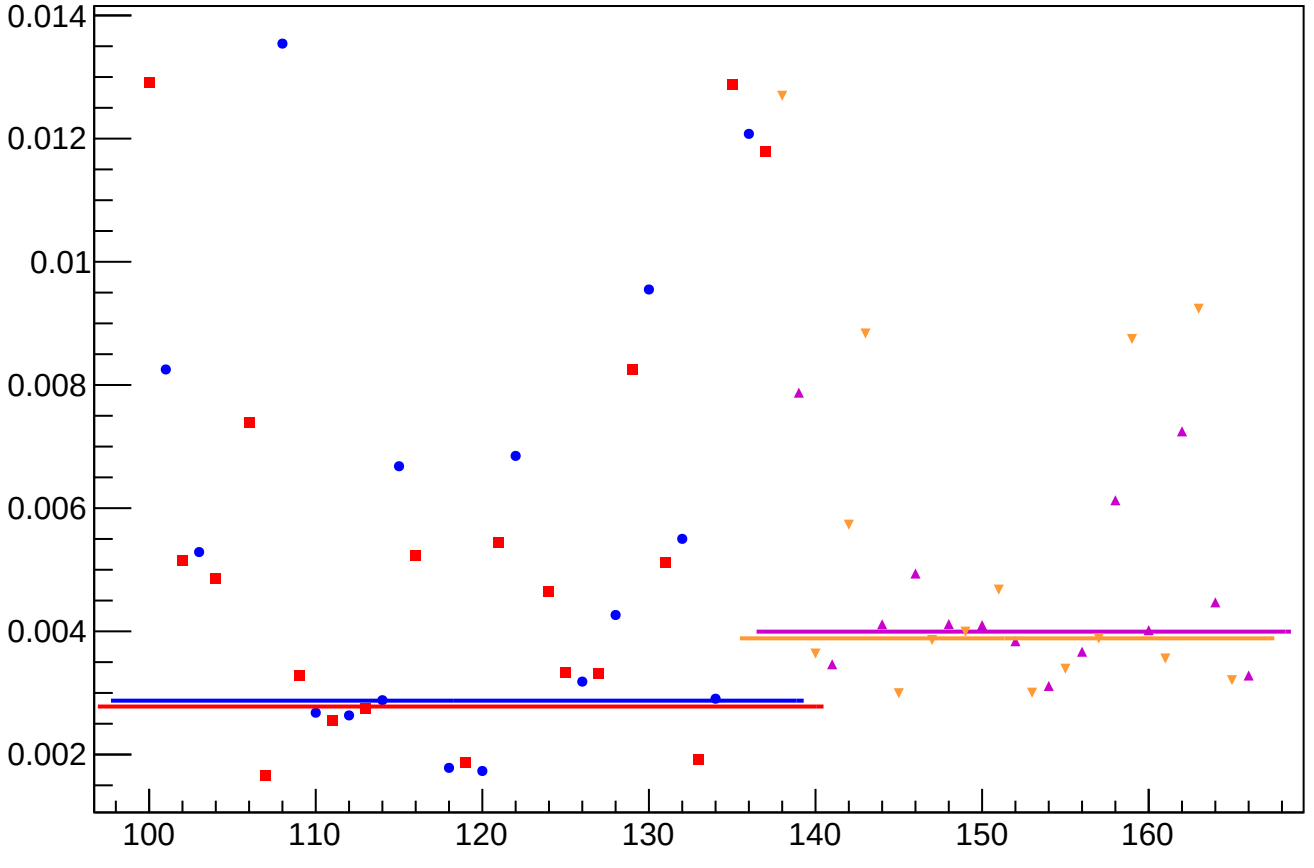
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:36.2/29

Out: -0.000+/-0.000 χ^2/NDF:39.2/33

All: -0.000+/-0.000 χ^2/NDF: 75.5/63

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: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2818229.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1143354.4/13

Left: 0.004+/-0.000 χ^2/NDF: 3969010.9/28

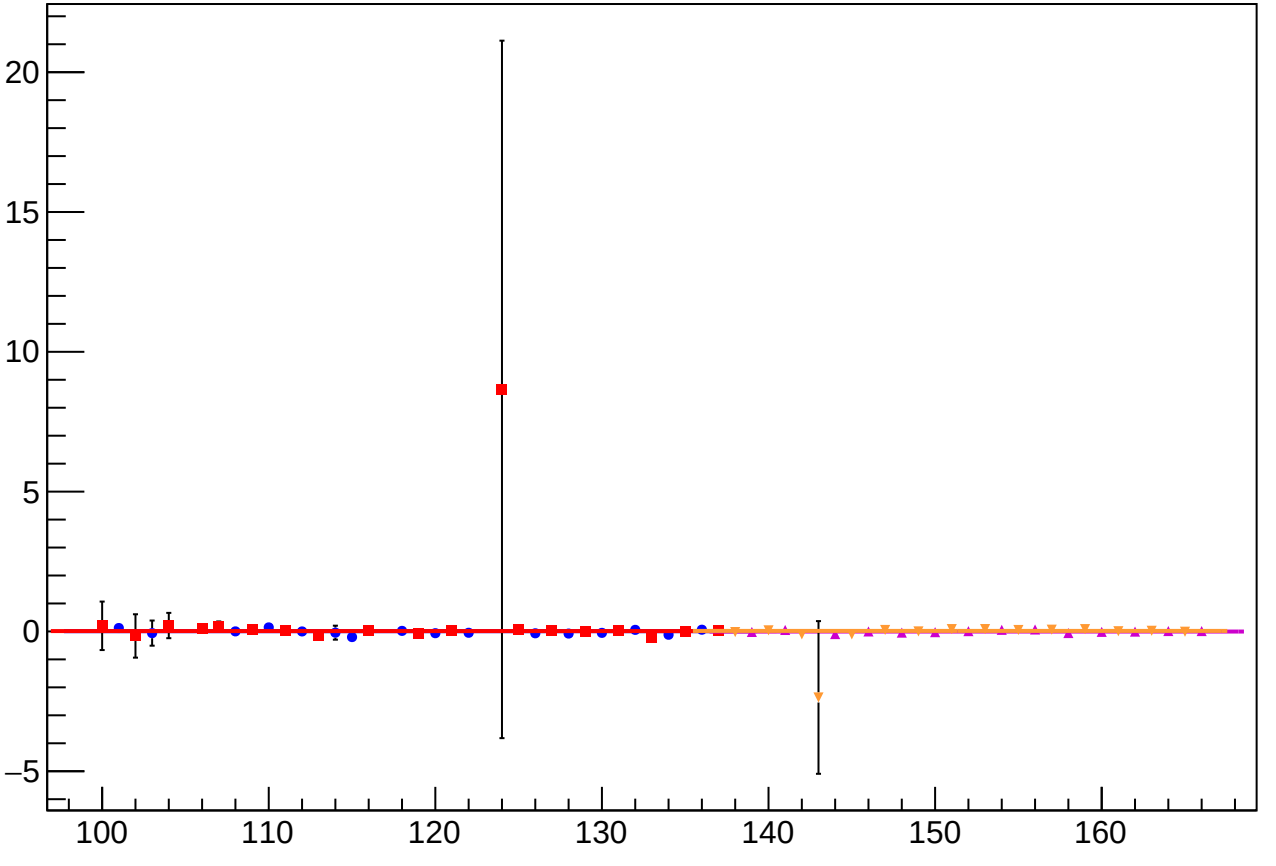
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6040730.1/29

Out: 0.003+/-0.000 χ^2/NDF:6976457.6/33

All: 0.003+/-0.000 χ^2/NDF: 13040356.4/63

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

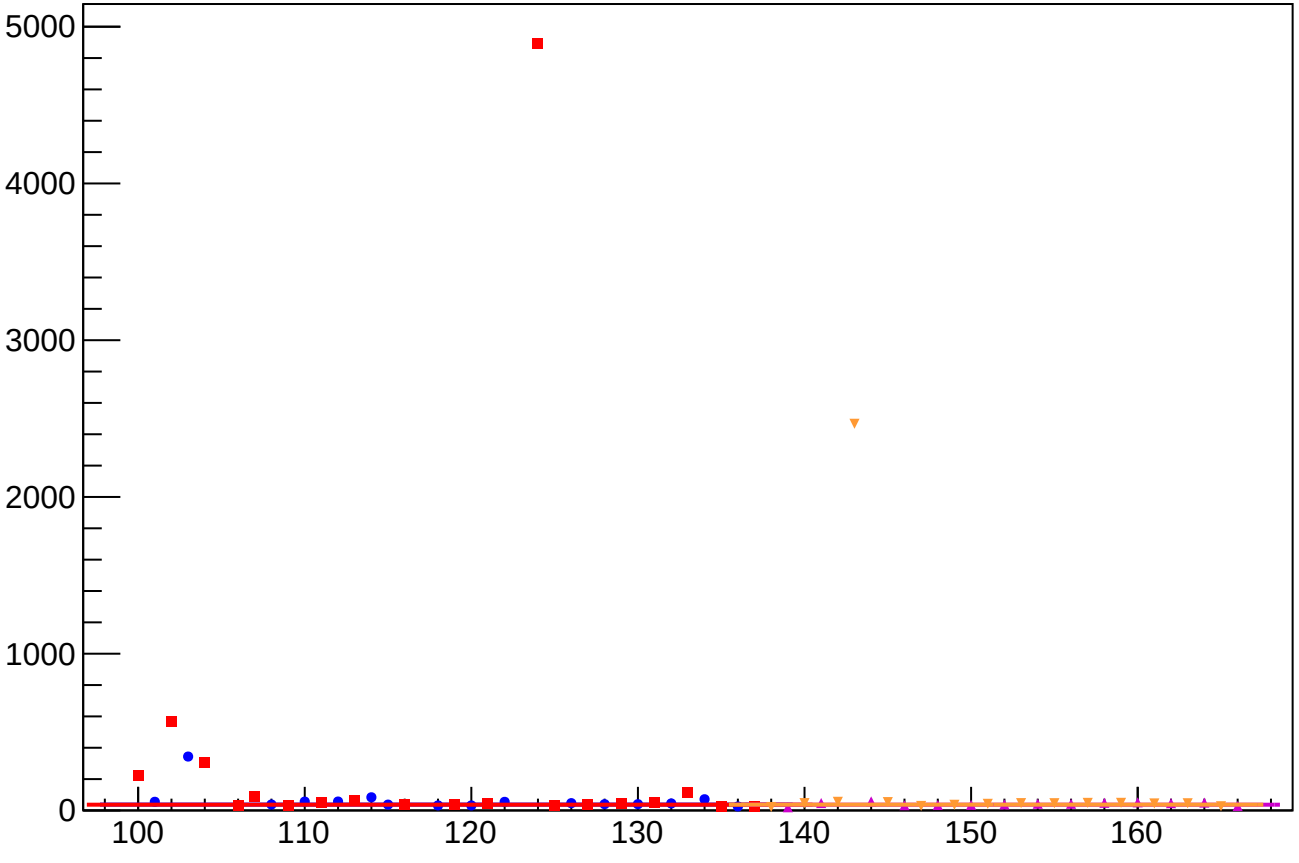
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

Left: 36.882+/-0.006 χ^2/NDF: 4687994.6/28

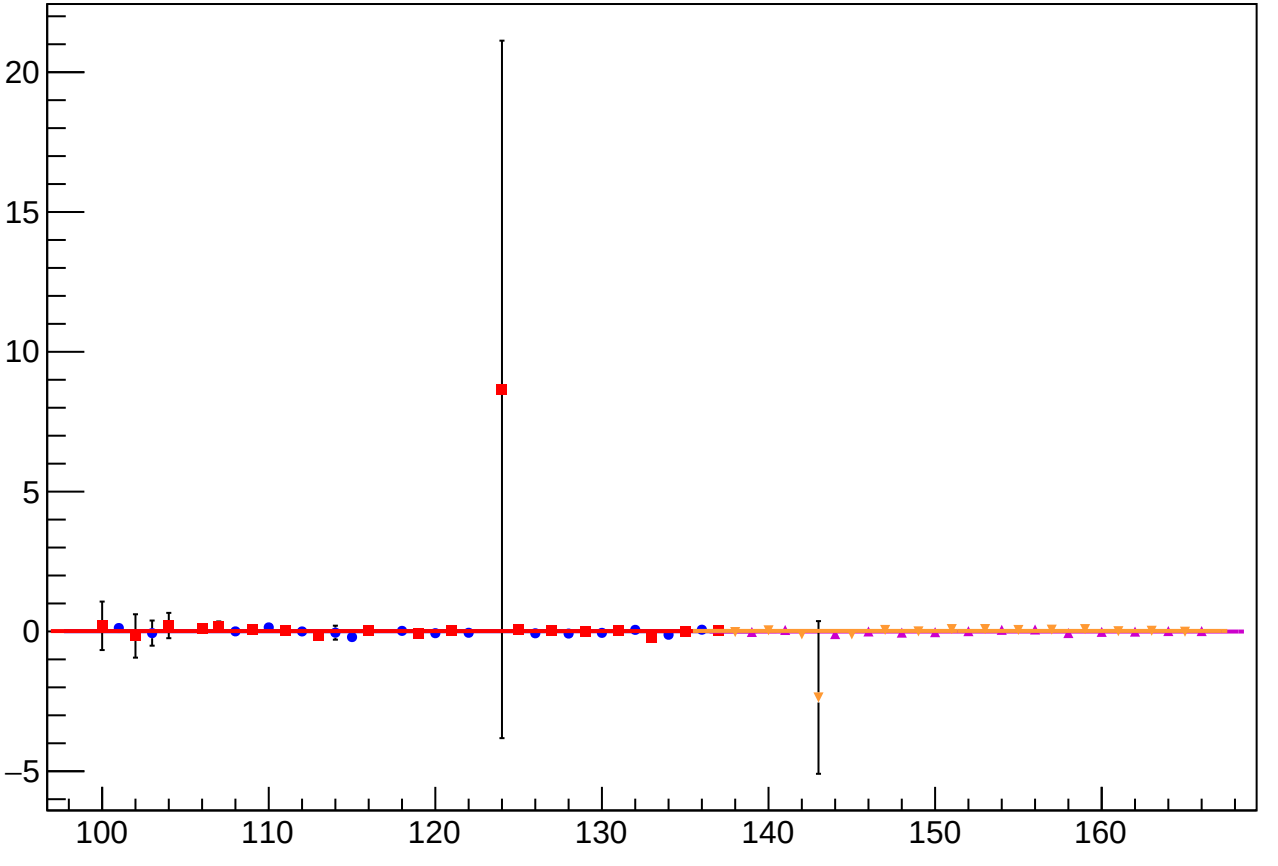
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 36.975+/-0.005 χ^2/NDF: 9864234.8/63

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.012 χ^2/NDF:9.9/13

Left: 0.007+/-0.009 χ^2/NDF: 28.7/28

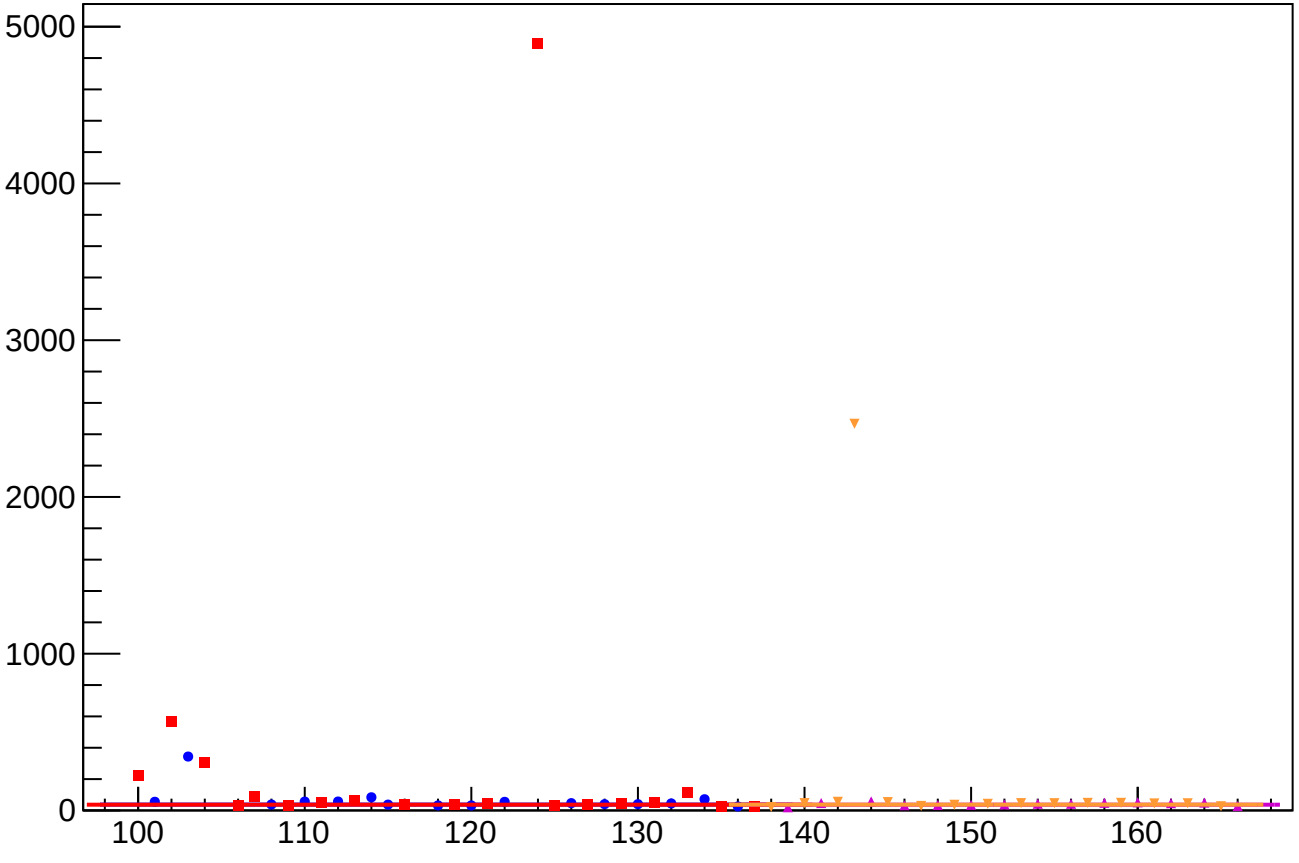
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.010 χ^2/NDF:29.6/29

Out: 0.017+/-0.010 χ^2/NDF:29.6/33

All: 0.008+/-0.007 χ^2/NDF: 60.6/63

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.654+/-0.008 χ^2/NDF:1572840.7/13

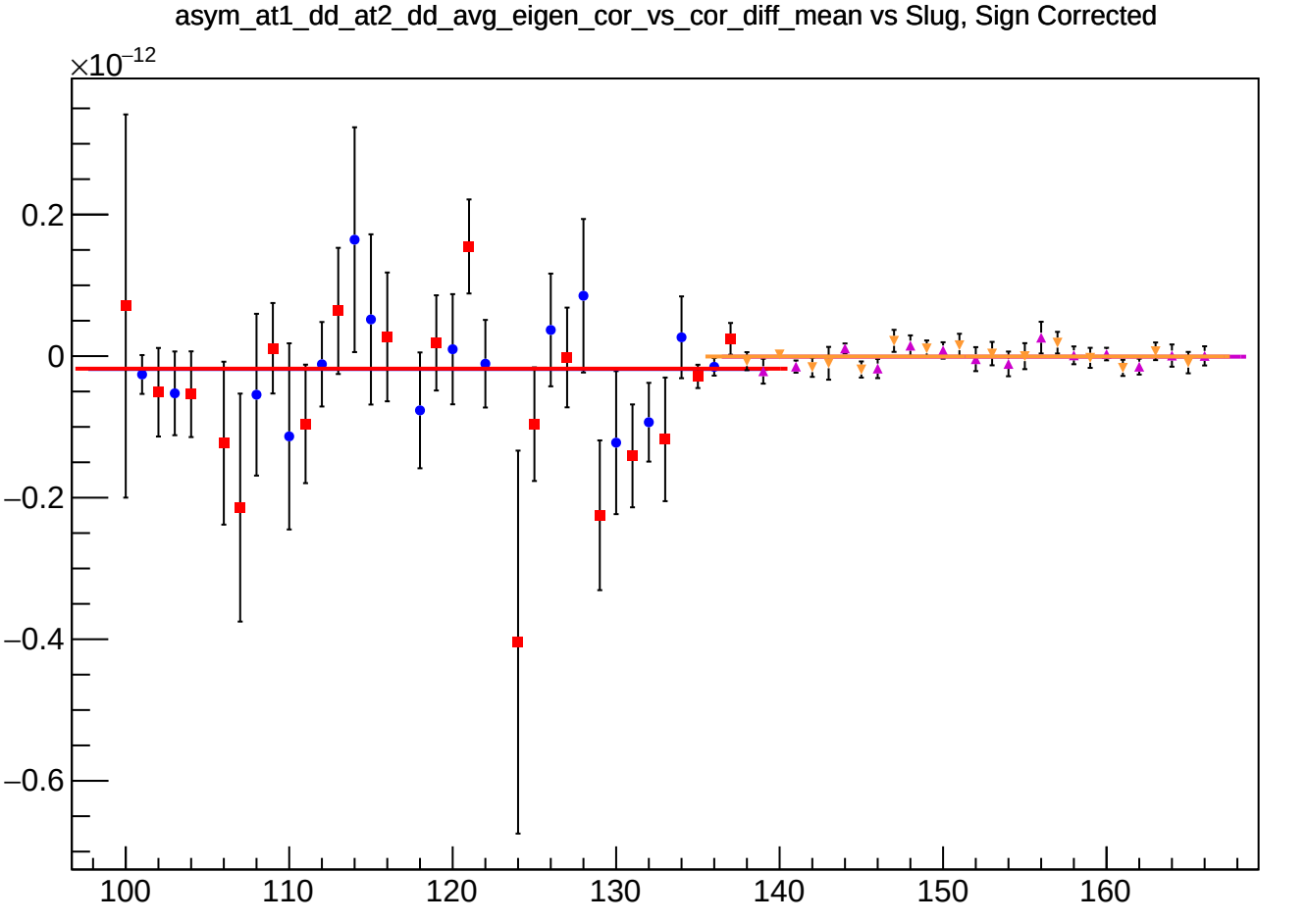
Left: 36.882+/-0.006 χ^2/NDF: 4687994.6/28

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.953+/-0.007 χ^2/NDF:3559572.8/29

Out: 36.998+/-0.007 χ^2/NDF:6304639.8/33

All: 36.975+/-0.005 χ^2/NDF: 9864234.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/13

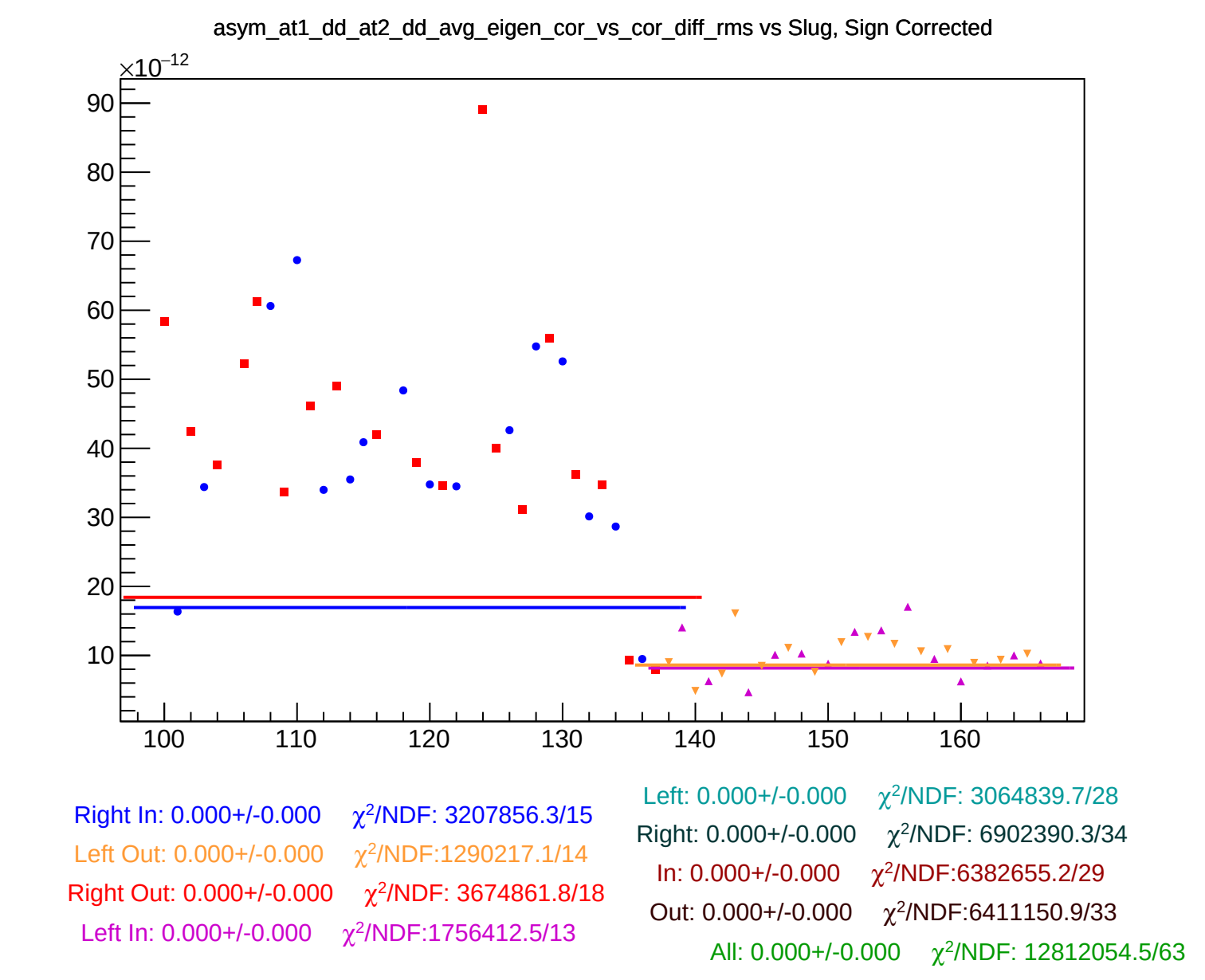
Left: -0.000+/-0.000 χ^2/NDF: 26.4/28

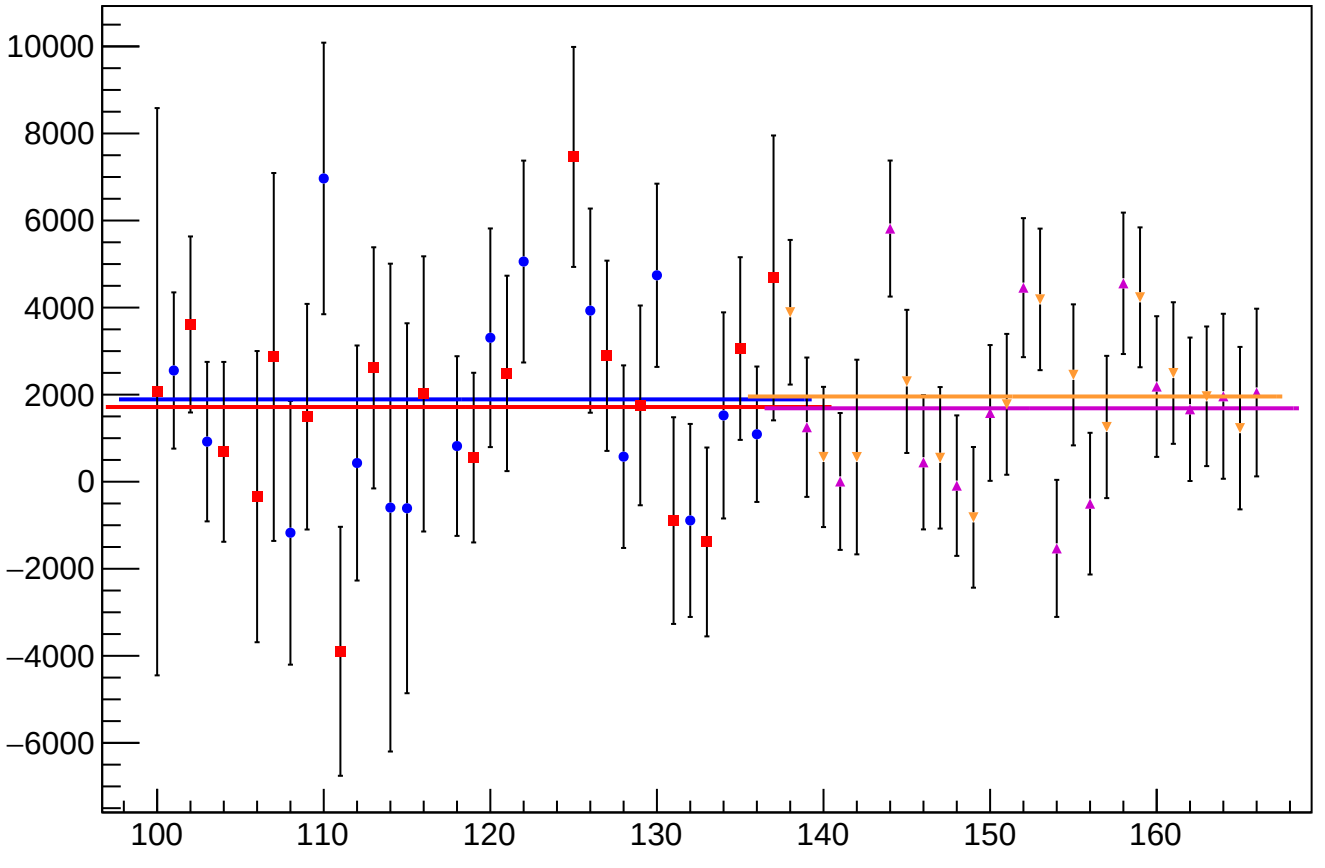
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:42.3/33

All: -0.000+/-0.000 χ^2/NDF: 67.0/63


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1290217.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1756412.5/13
Left: 0.000+/-0.000 χ²/NDF: 3064839.7/28
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6382655.2/29
Out: 0.000+/-0.000 χ²/NDF:6411150.9/33
All: 0.000+/-0.000 χ²/NDF: 12812054.5/63



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.800+/-445.612 χ^2/NDF:10.7/13

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1686.456+/-435.548 χ^2/NDF:22.3/13

Left: 1819.029+/-311.476 χ^2/NDF: 33.2/27

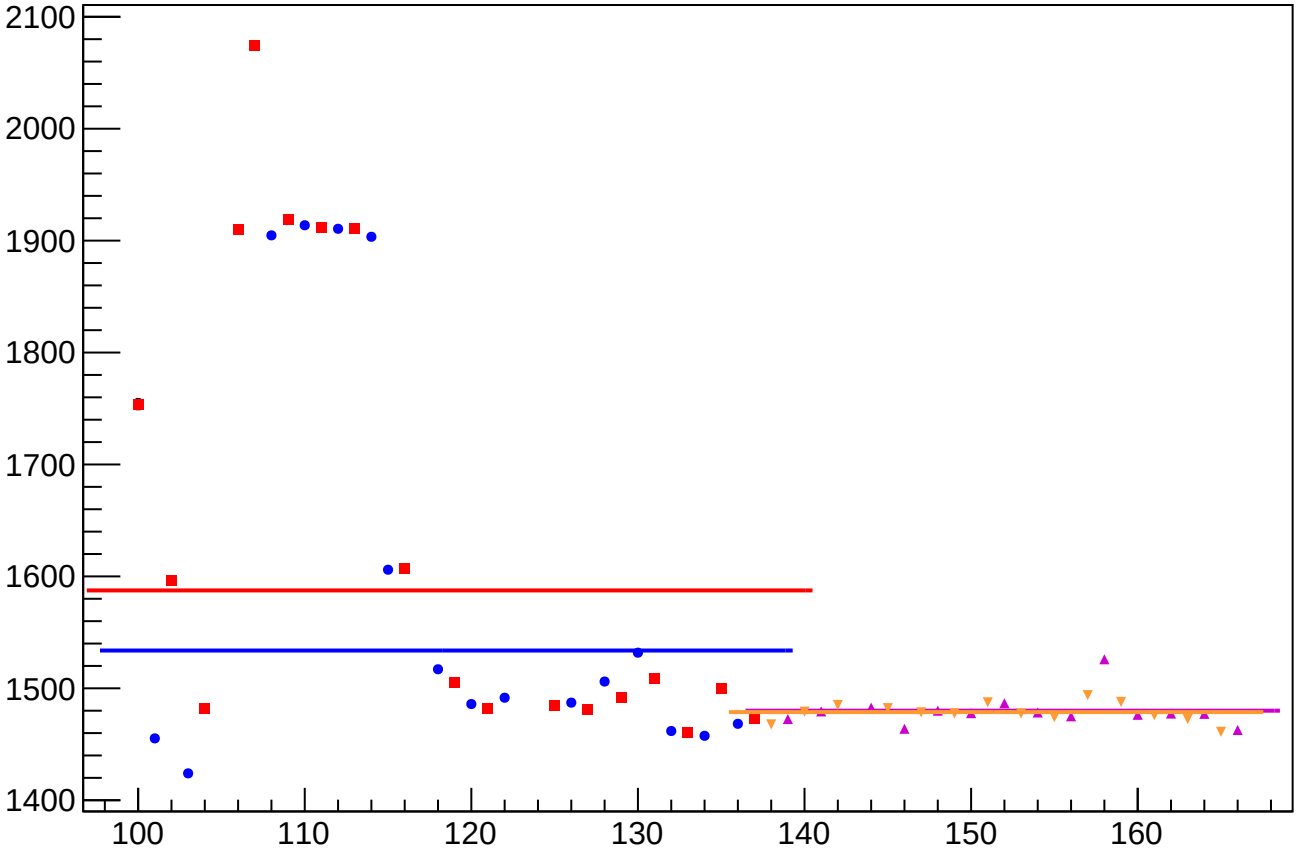
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1761.653+/-346.579 χ^2/NDF:34.6/29

Out: 1869.845+/-355.482 χ^2/NDF:26.8/31

All: 1814.377+/-248.156 χ^2/NDF: 61.5/61

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

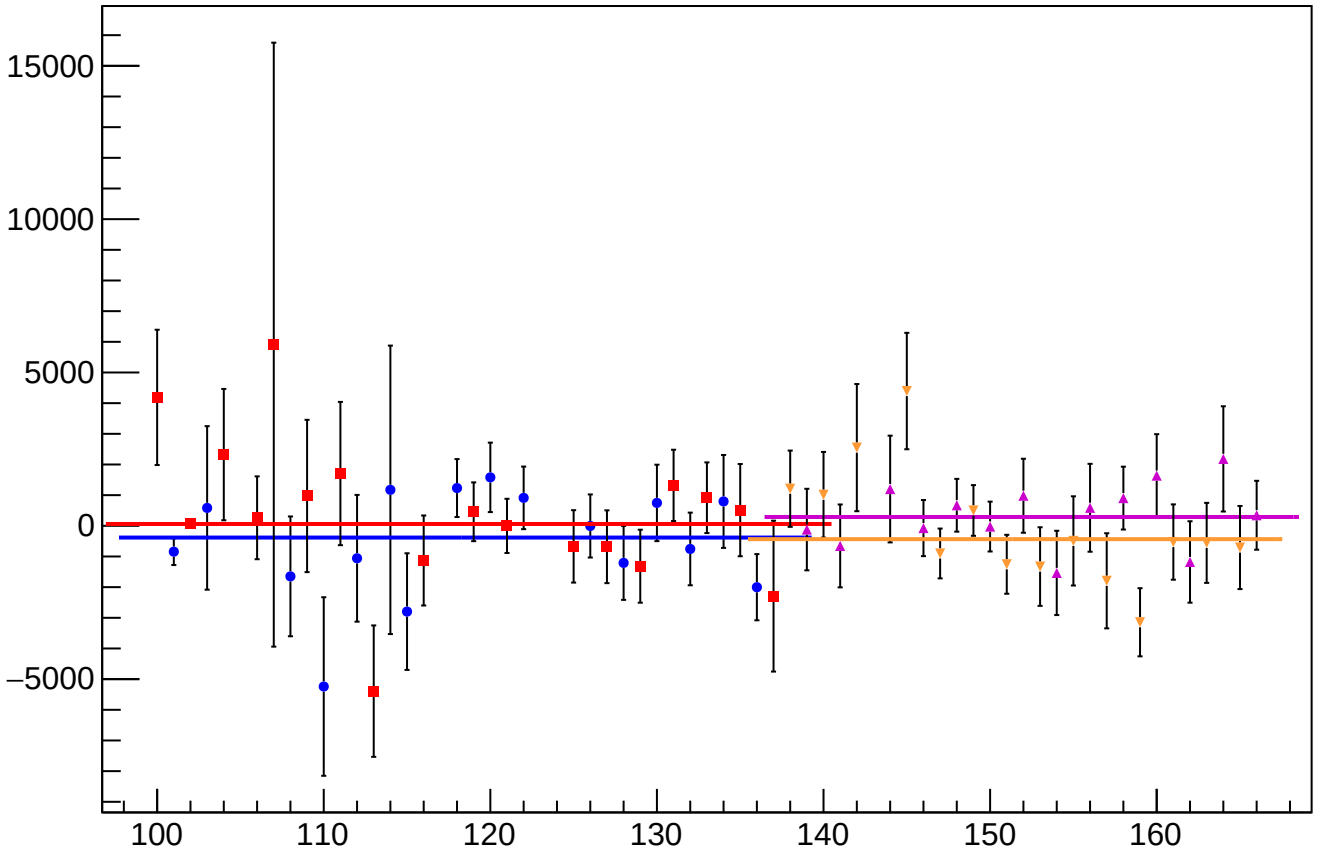
Left: 1479.403+/-0.220 χ^2/NDF: 2757.4/27

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1499.738+/-0.245 χ^2/NDF:142551.5/29

Out: 1518.281+/-0.251 χ^2/NDF:215908.6/31

All: 1508.775+/-0.175 χ^2/NDF: 361249.9/61



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.821+/-318.906 χ^2/NDF:21.0/13

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 287.982+/-310.043 χ^2/NDF:7.3/13

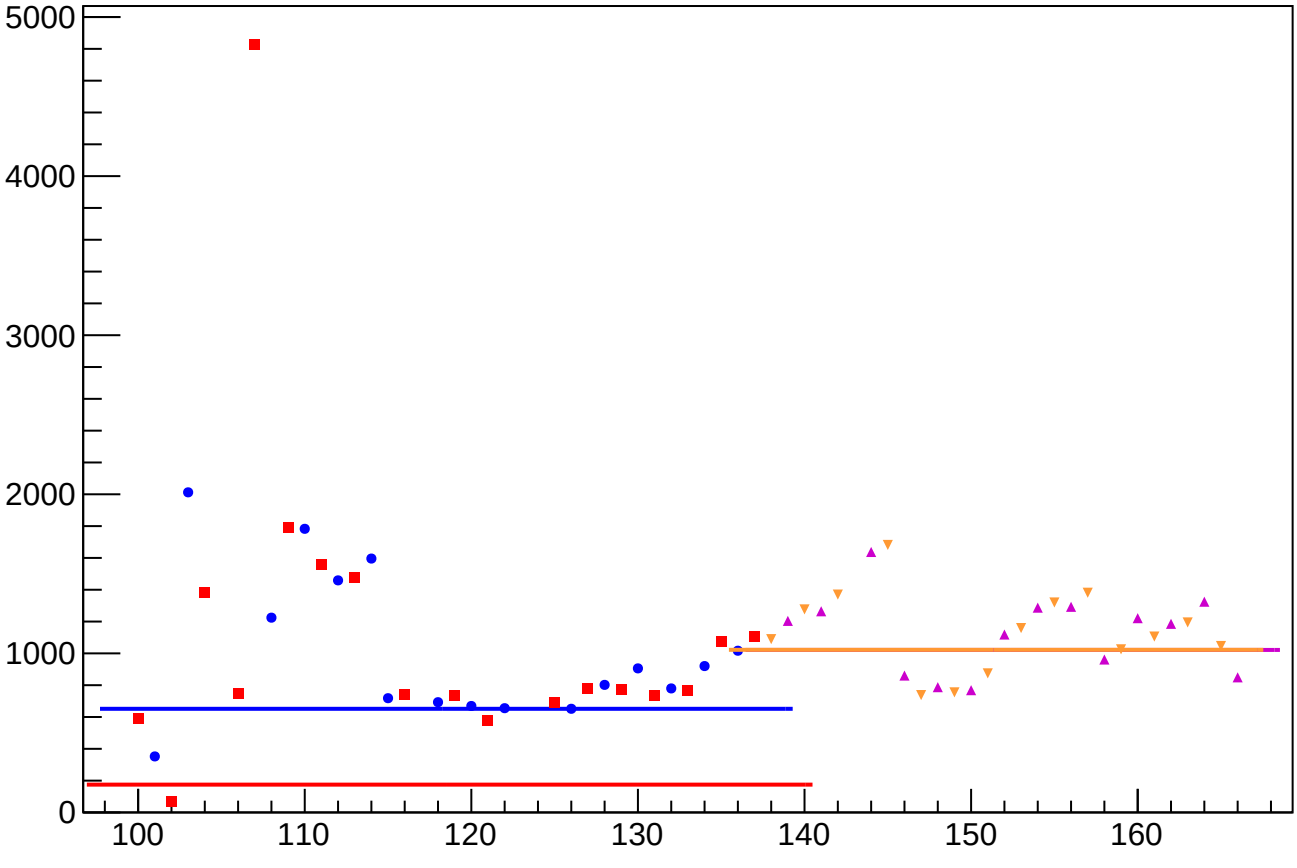
Left: -63.235+/-222.301 χ^2/NDF: 30.9/27

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -90.805+/-204.557 χ^2/NDF:28.1/29

Out: -8.404+/-118.549 χ^2/NDF:40.8/31

All: -29.122+/-102.569 χ^2/NDF: 69.1/61



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.313+/-0.226 χ^2/NDF:1129515.0/13

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1021.593+/-0.219 χ^2/NDF:1106321.0/13

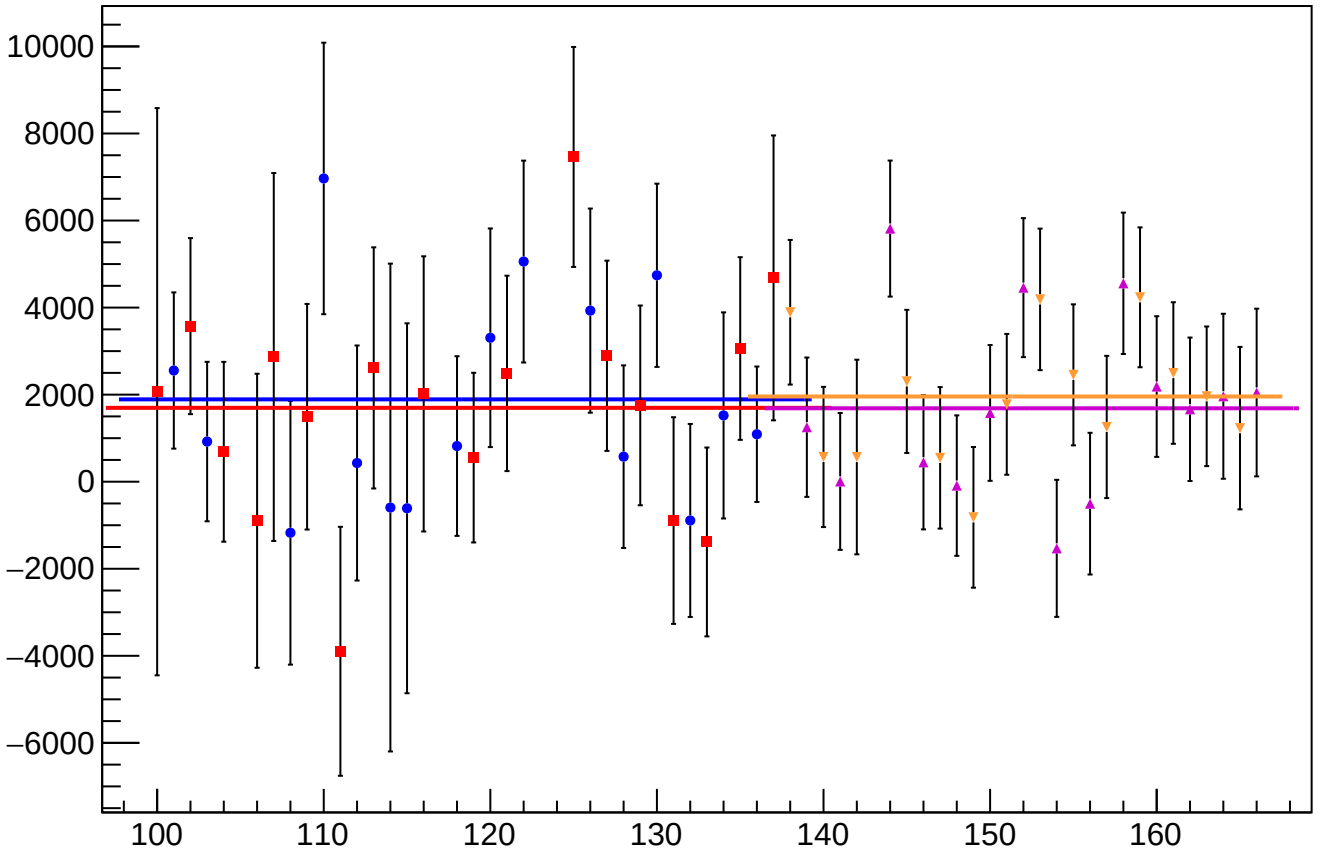
Left: 1021.943+/-0.157 χ^2/NDF: 2235841.2/27

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 812.613+/-0.145 χ^2/NDF:5478052.8/29

Out: 292.001+/-0.084 χ^2/NDF:23061234.1/31

All: 422.895+/-0.073 χ^2/NDF: 38236939.0/61



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1686.569+/-435.548 χ^2/NDF:22.3/13

Left: 1819.069+/-311.476 χ^2/NDF: 33.2/27

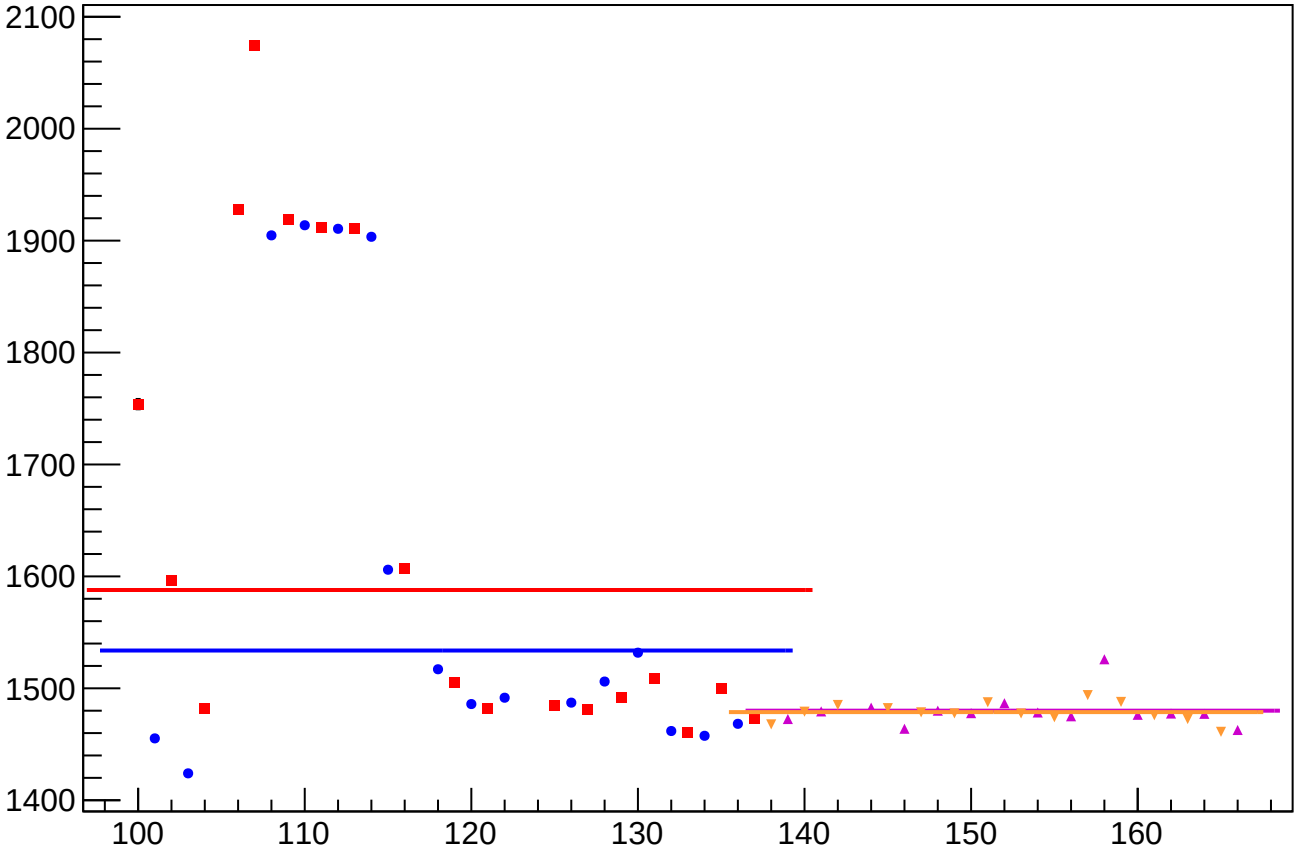
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1761.763+/-346.579 χ^2/NDF:34.6/29

Out: 1862.978+/-355.521 χ^2/NDF:27.0/31

All: 1811.082+/-248.170 χ^2/NDF: 61.6/61

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

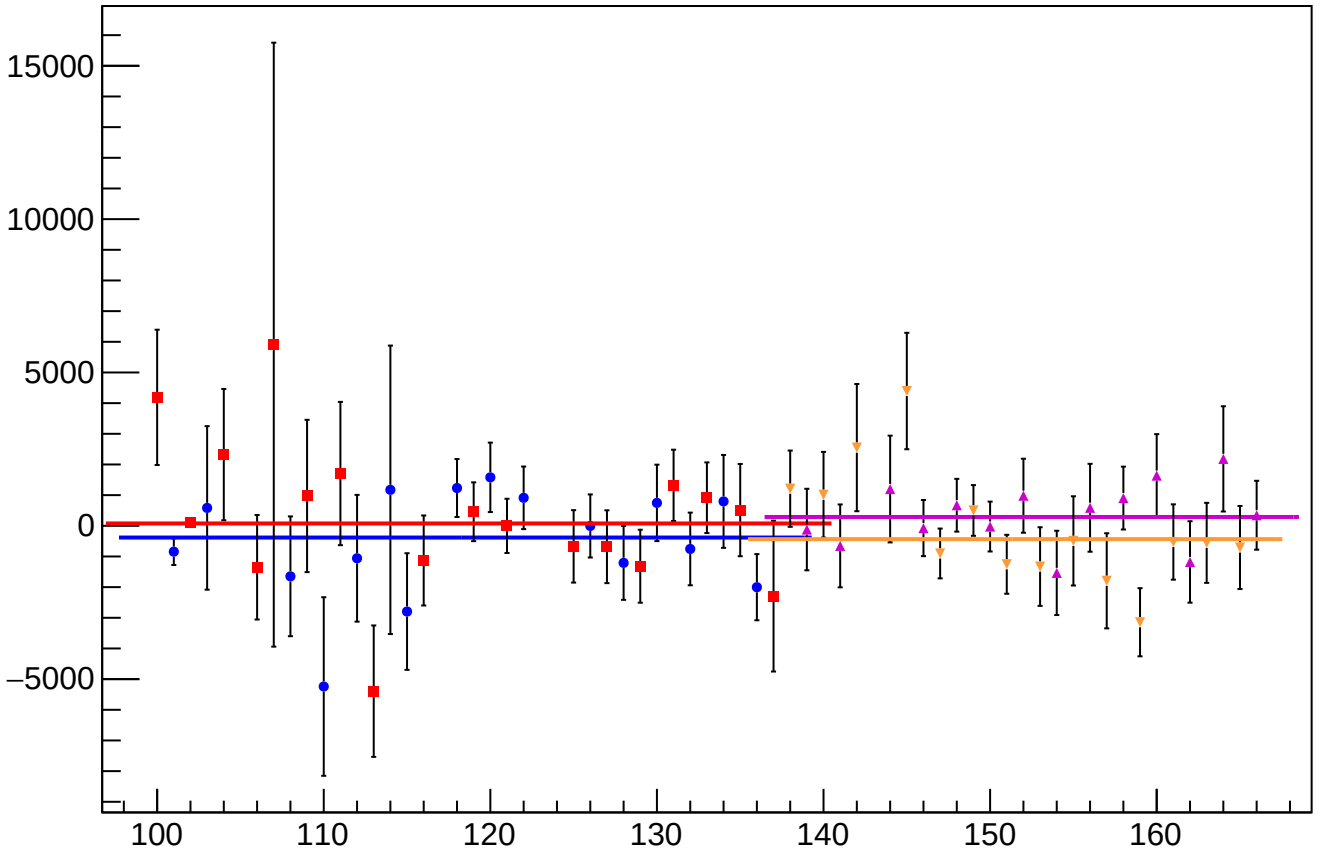
Left: 1479.403+/-0.220 χ^2/NDF: 2757.4/27

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1499.738+/-0.245 χ^2/NDF:142551.4/29

Out: 1518.405+/-0.251 χ^2/NDF:217977.3/31

All: 1508.834+/-0.175 χ^2/NDF: 363355.7/61



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.884+/-318.909 χ^2/NDF:21.0/13

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.083+/-310.043 χ^2/NDF:7.3/13

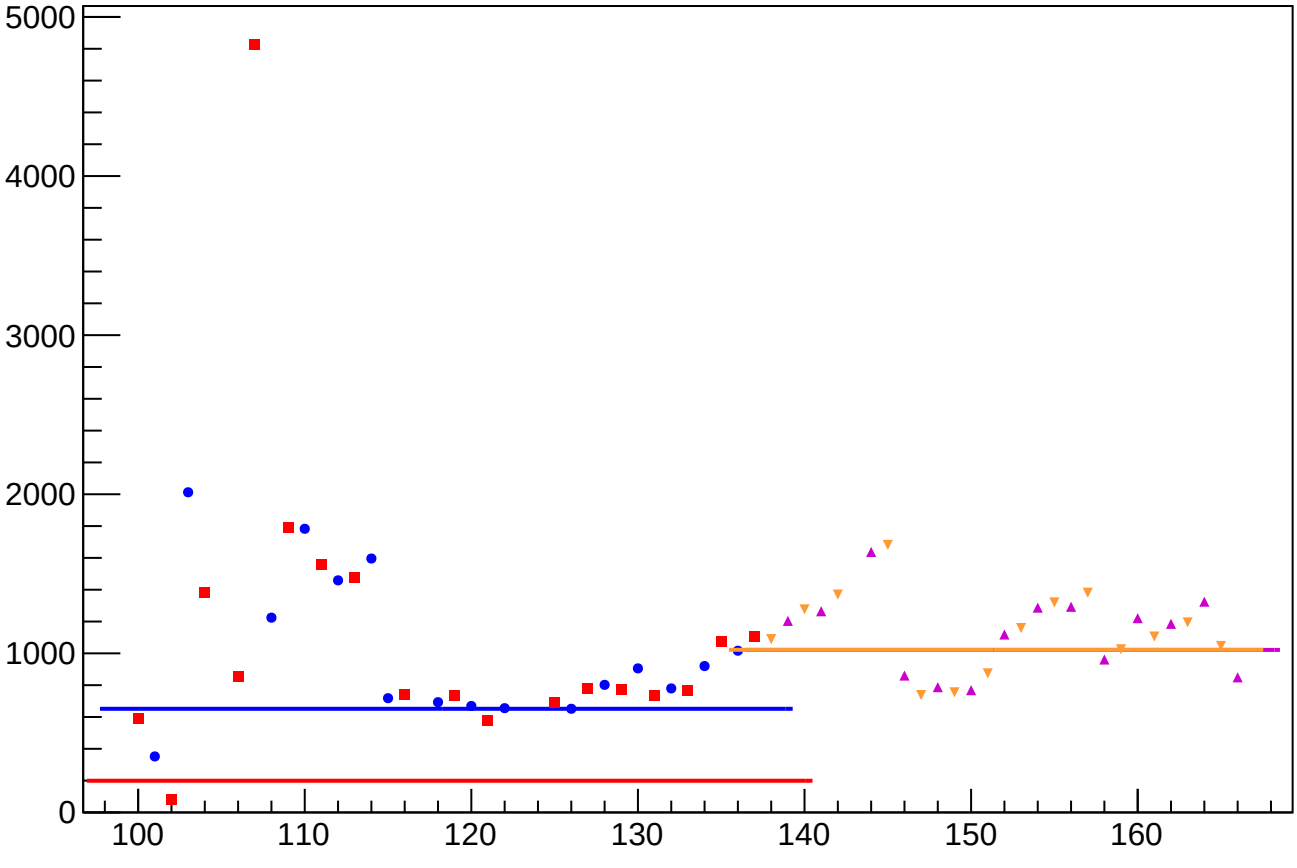
Left: -63.211+/-222.302 χ^2/NDF: 30.9/27

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -90.746+/-204.557 χ^2/NDF:28.1/29

Out: -4.076+/-126.757 χ^2/NDF:41.6/31

All: -28.123+/-107.747 χ^2/NDF: 69.9/61



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.592+/-0.219 χ^2/NDF:1106411.9/13

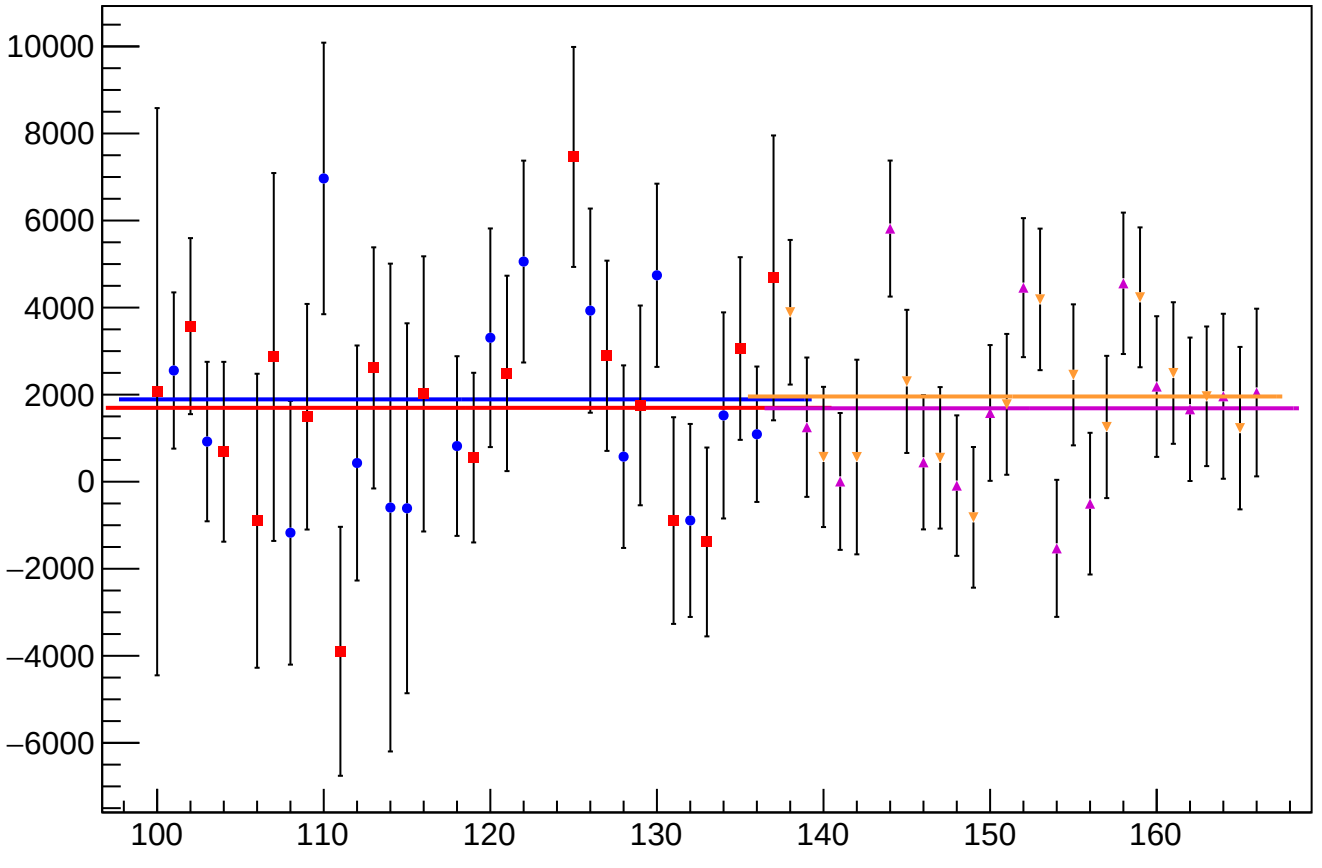
Left: 1021.947+/-0.157 χ^2/NDF: 2235926.3/27

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 812.611+/-0.145 χ^2/NDF:5478172.6/29

Out: 329.360+/-0.090 χ^2/NDF:21629192.0/31

All: 463.438+/-0.076 χ^2/NDF: 35172601.3/61



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1686.569+/-435.548 χ^2/NDF:22.3/13

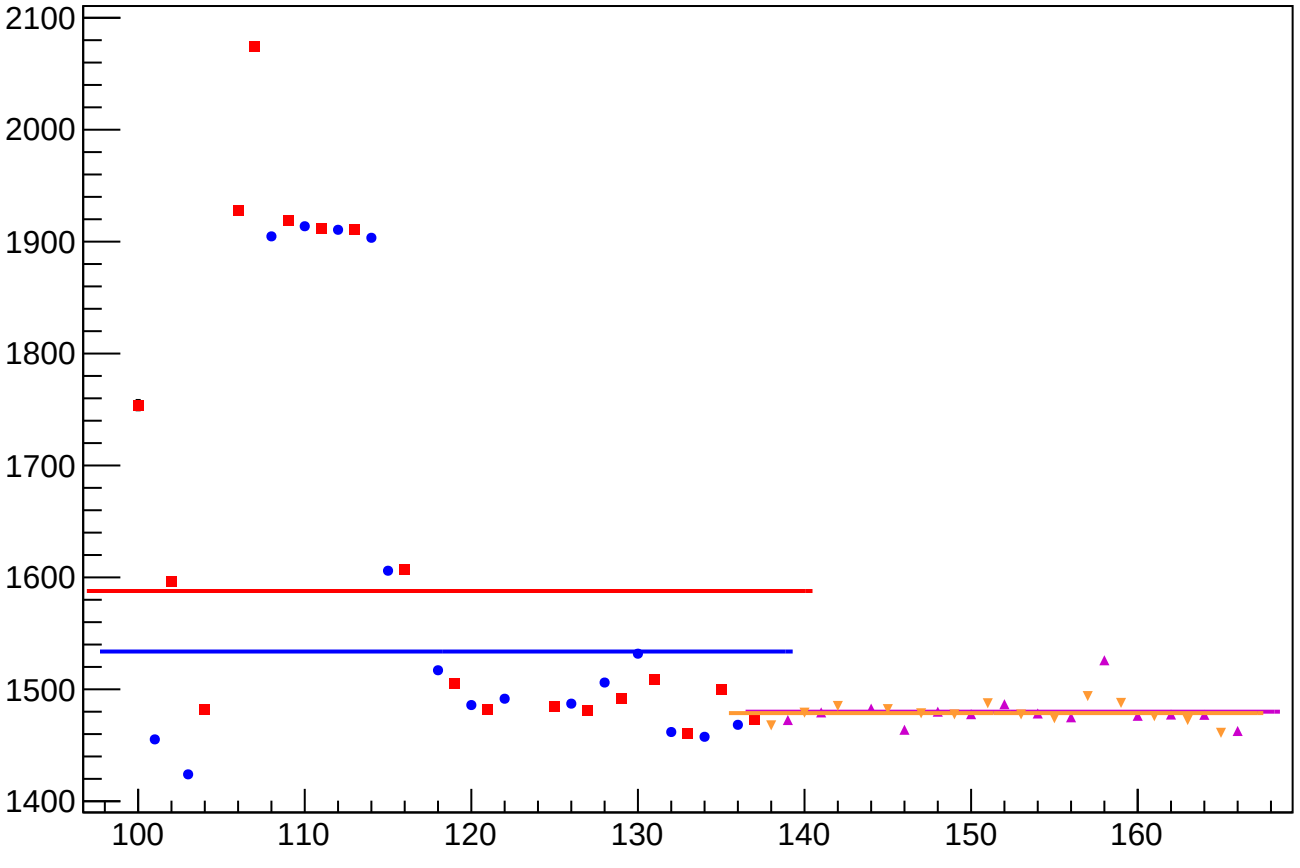
Left: 1819.069+/-311.476 χ^2/NDF: 33.2/27

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1761.763+/-346.579 χ^2/NDF:34.6/29

Out: 1862.978+/-355.521 χ^2/NDF:27.0/31

All: 1811.082+/-248.170 χ^2/NDF: 61.6/61



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.023+/-0.308 χ^2/NDF:2108.3/13

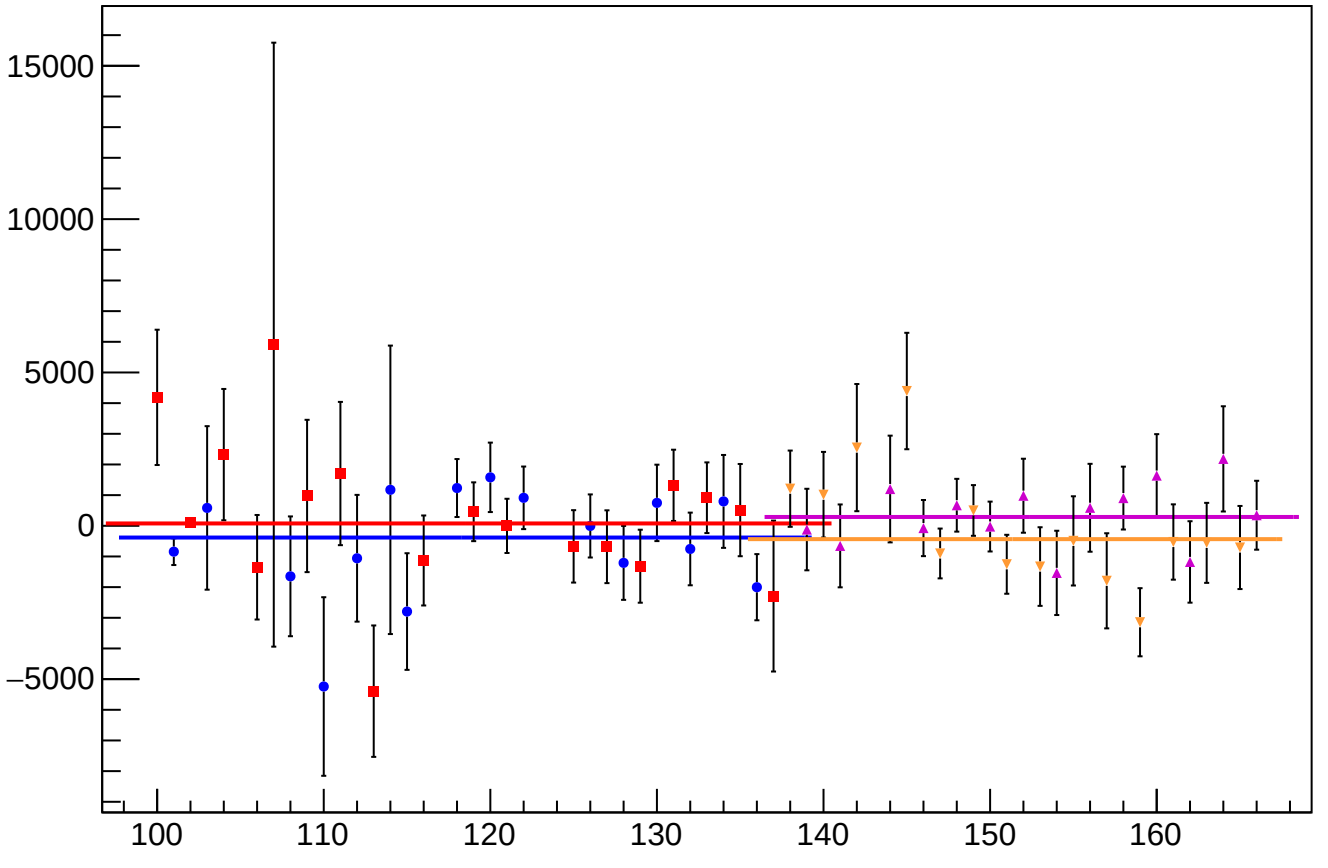
Left: 1479.403+/-0.220 χ^2/NDF: 2757.4/27

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1499.738+/-0.245 χ^2/NDF:142551.4/29

Out: 1518.405+/-0.251 χ^2/NDF:217977.3/31

All: 1508.834+/-0.175 χ^2/NDF: 363355.7/61



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.884+/-318.909 χ^2/NDF:21.0/13

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.083+/-310.043 χ^2/NDF:7.3/13

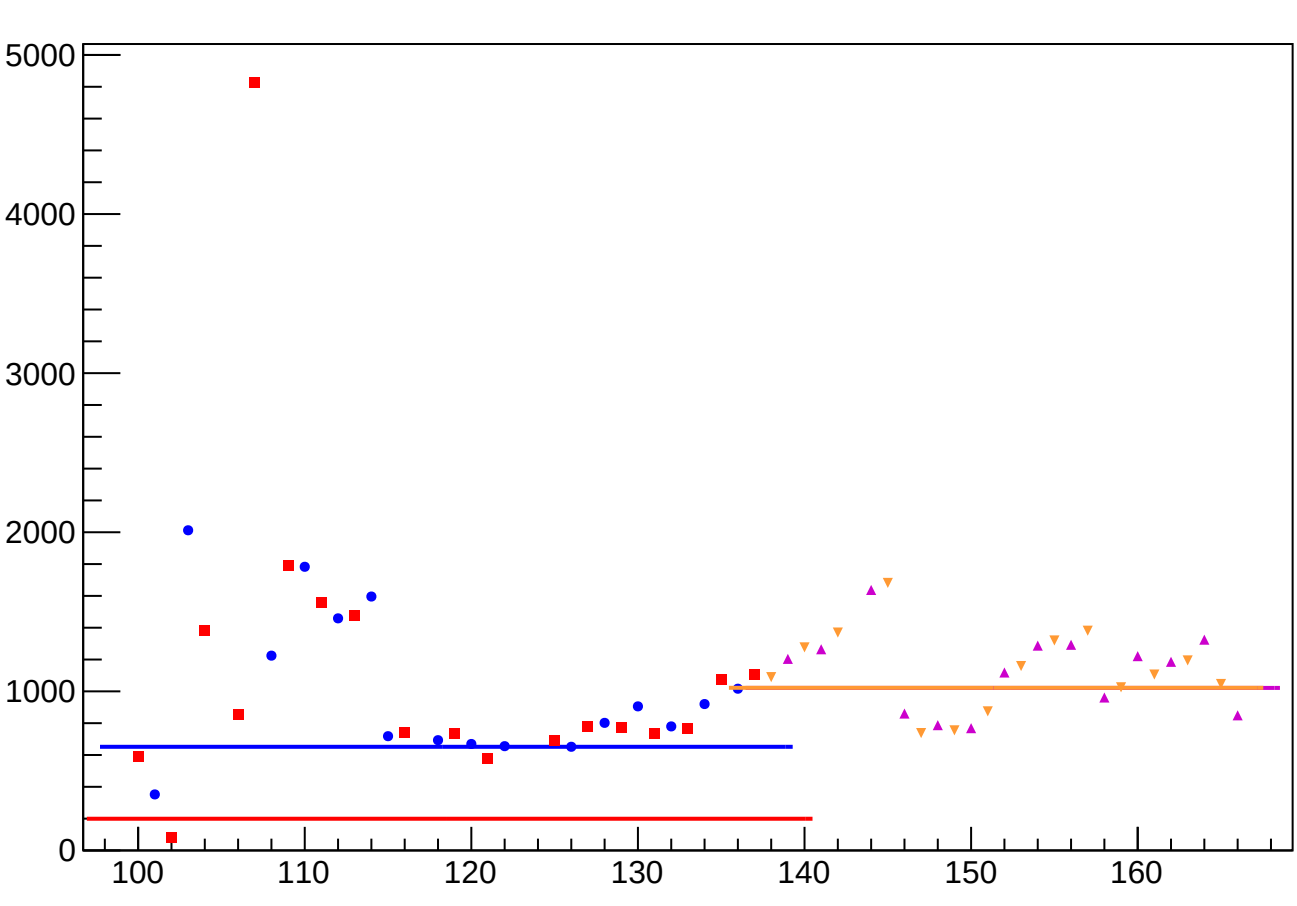
Left: -63.211+/-222.302 χ^2/NDF: 30.9/27

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -90.746+/-204.557 χ^2/NDF:28.1/29

Out: -4.076+/-126.757 χ^2/NDF:41.6/31

All: -28.123+/-107.747 χ^2/NDF: 69.9/61



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.592+/-0.219 χ^2/NDF:1106411.9/13

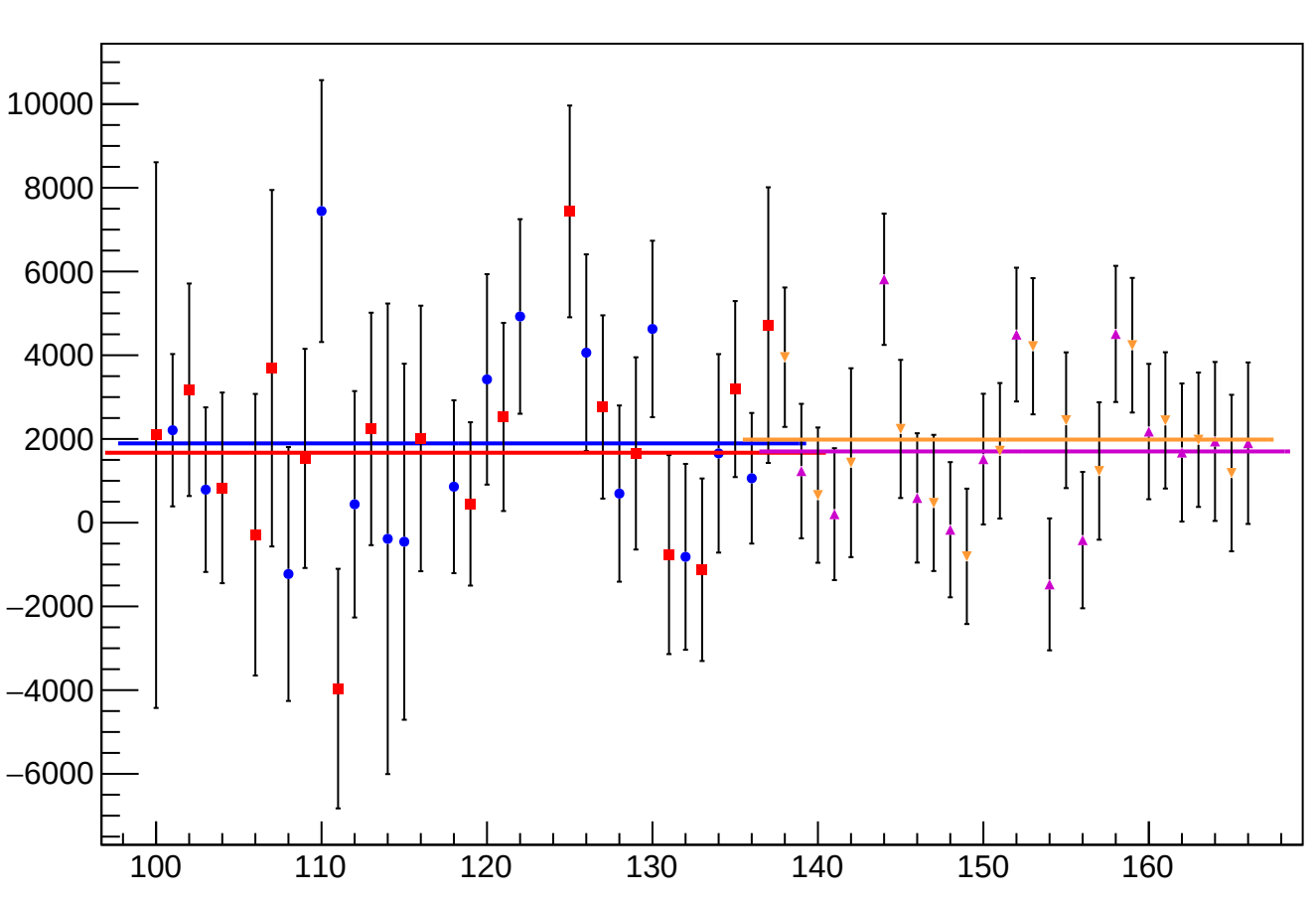
Left: 1021.947+/-0.157 χ^2/NDF: 2235926.3/27

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 812.611+/-0.145 χ^2/NDF:5478172.6/29

Out: 329.360+/-0.090 χ^2/NDF:21629192.0/31

All: 463.438+/-0.076 χ^2/NDF: 35172601.3/61



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1984.869+/-446.438 χ^2/NDF:10.4/13

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1701.641+/-436.204 χ^2/NDF:21.6/13

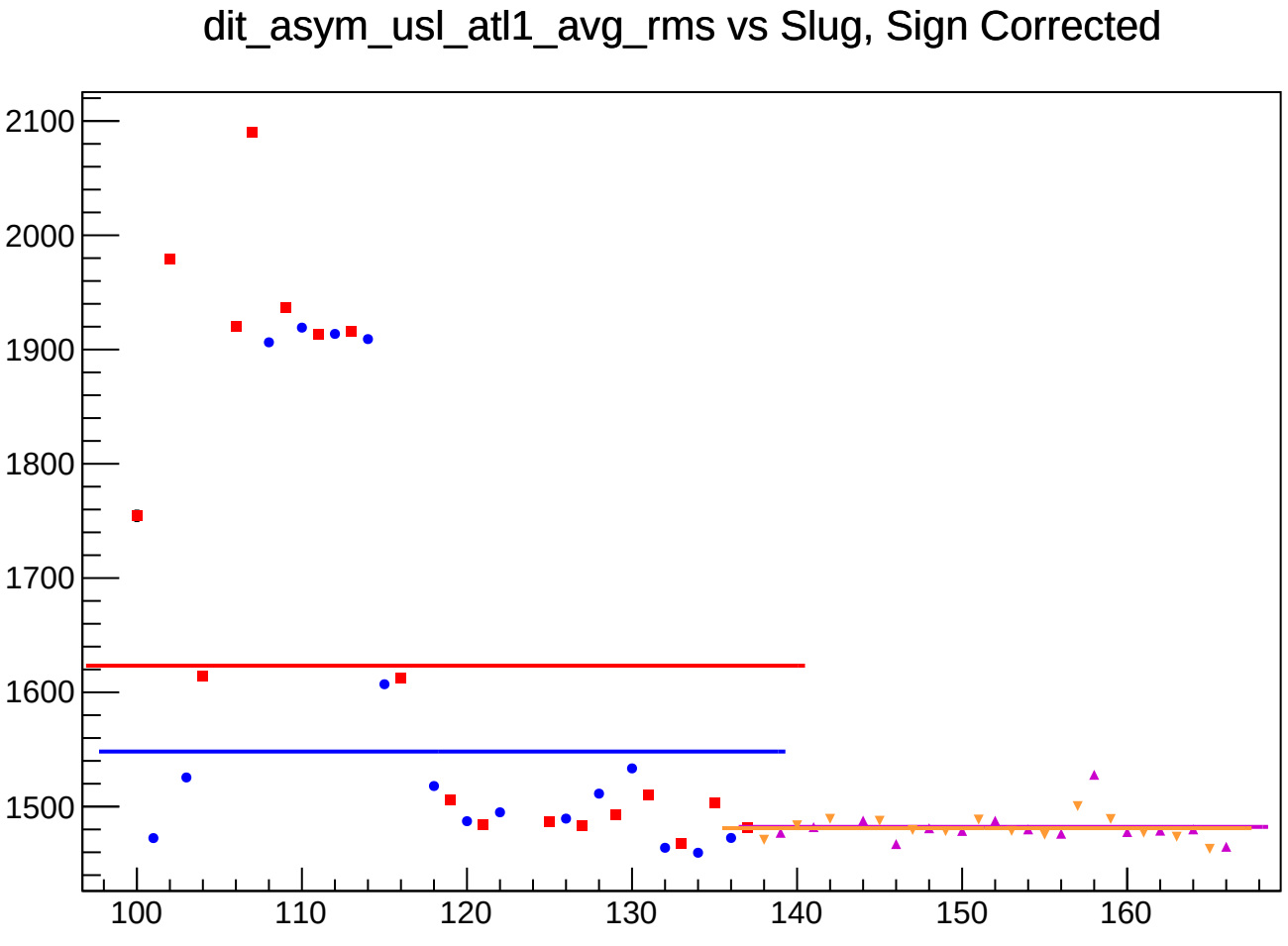
Left: 1839.971+/-311.998 χ^2/NDF: 32.3/27

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1771.561+/-348.099 χ^2/NDF:34.0/29

Out: 1874.153+/-359.190 χ^2/NDF:25.6/31

All: 1821.249+/-249.972 χ^2/NDF: 59.7/61



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1482.232+/-0.308 χ^2/NDF:2060.7/13

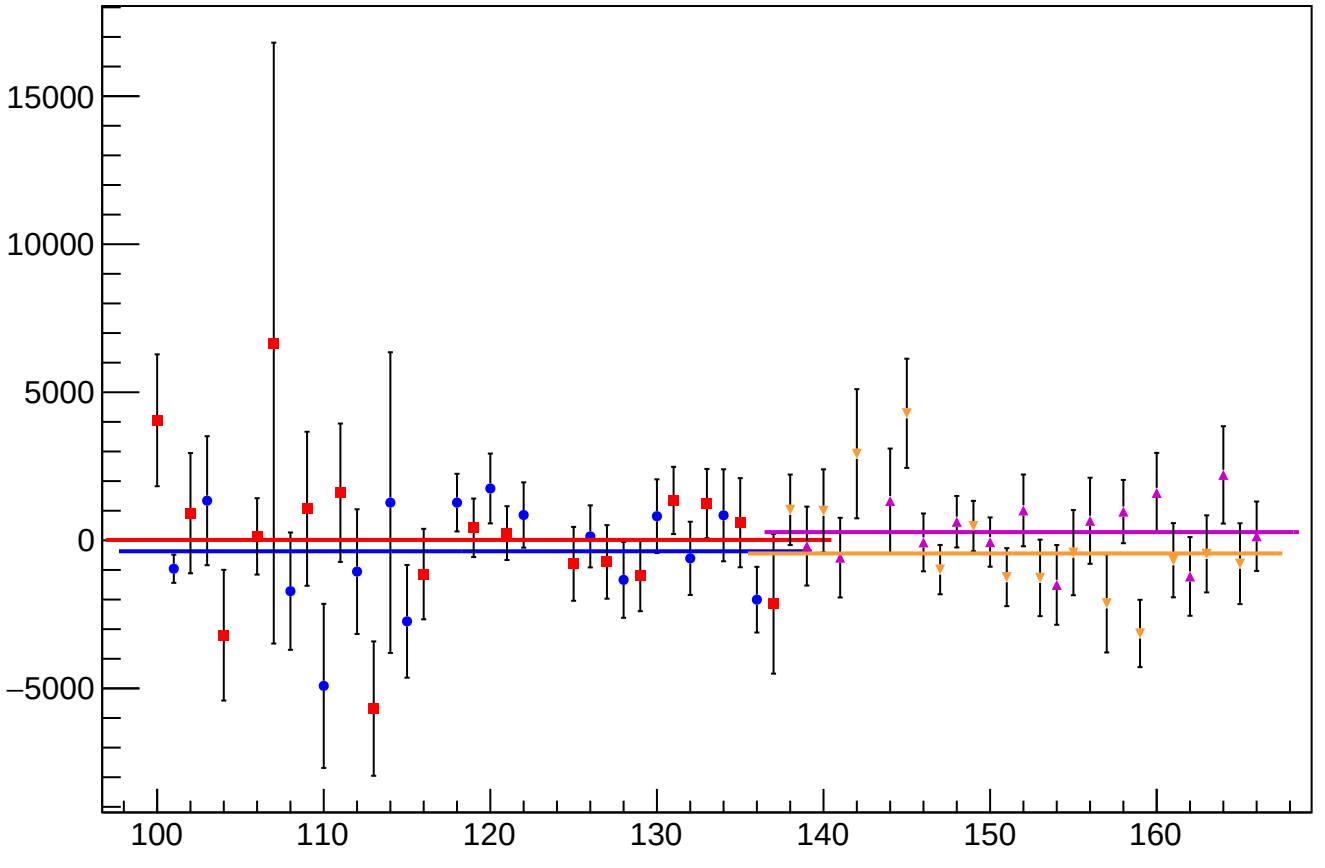
Left: 1481.686+/-0.221 χ^2/NDF: 2850.7/27

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1506.180+/-0.246 χ^2/NDF:138564.7/29

Out: 1531.269+/-0.254 χ^2/NDF:283896.1/31

All: 1518.331+/-0.177 χ^2/NDF: 427492.7/61



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -442.230+/-323.298 χ^2/NDF:21.0/13

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 278.057+/-315.514 χ^2/NDF:7.6/13

Left: -73.311+/-225.804 χ^2/NDF: 31.1/27

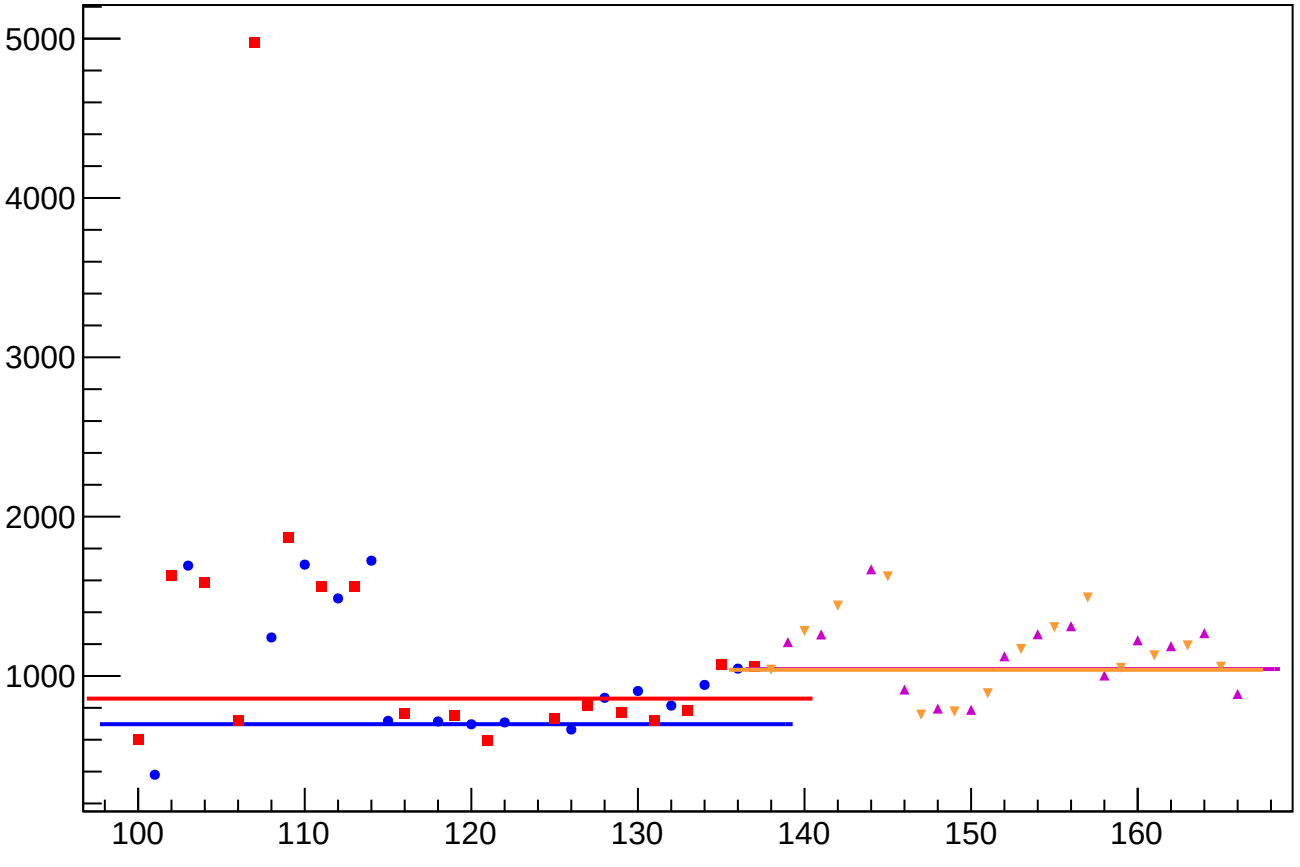
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -76.339+/-212.135 χ^2/NDF:28.8/29

Out: -226.771+/-234.800 χ^2/NDF:41.0/31

All: -143.945+/-157.407 χ^2/NDF: 70.0/61

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.854+/-0.229 χ^2/NDF:1070502.1/13

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1043.595+/-0.223 χ^2/NDF:985861.0/13

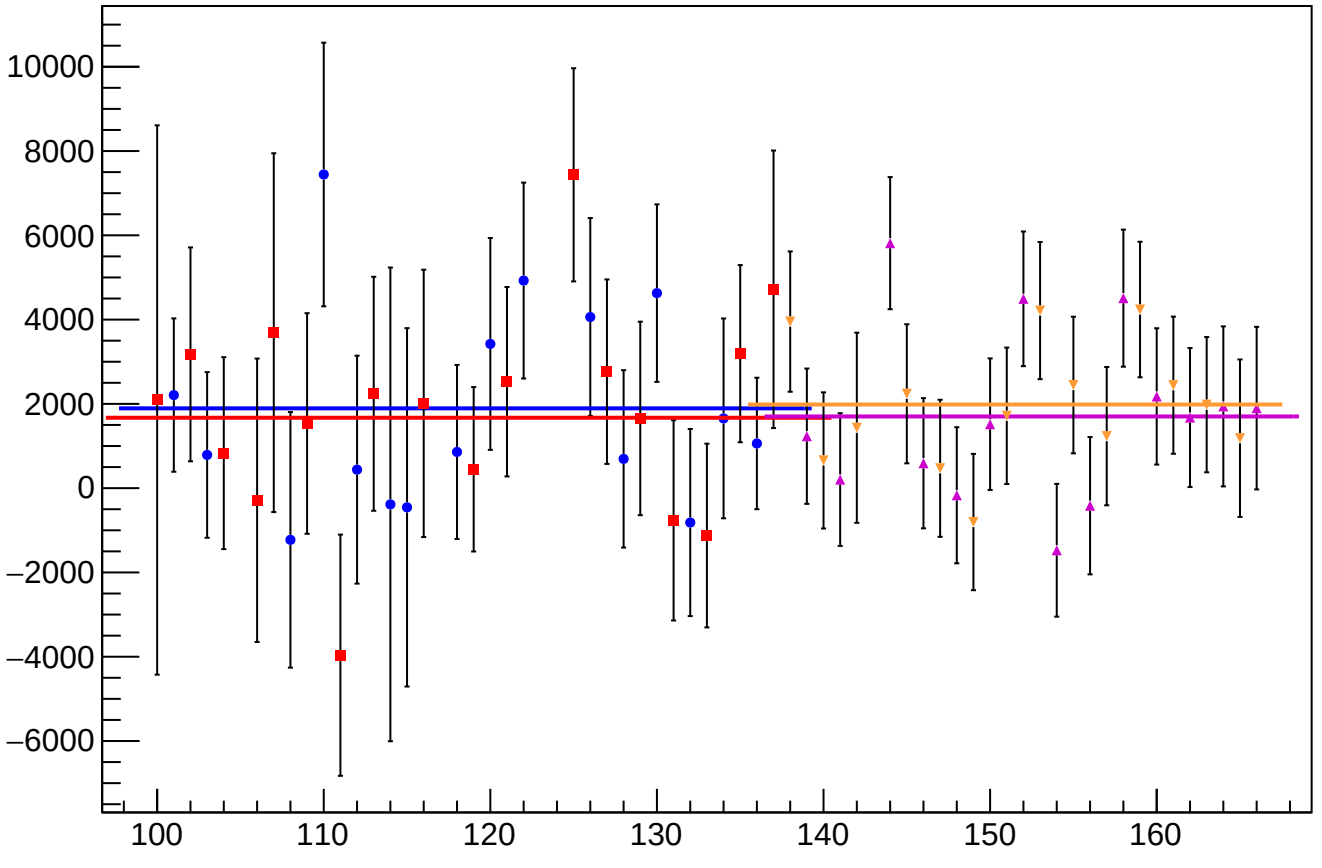
Left: 1041.282+/-0.160 χ^2/NDF: 2056583.4/27

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 853.961+/-0.150 χ^2/NDF:4739969.7/29

Out: 953.438+/-0.166 χ^2/NDF:3248100.2/31

All: 898.668+/-0.111 χ^2/NDF: 8185723.5/61



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1984.867+/-446.438 χ^2/NDF:10.4/13

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1701.642+/-436.204 χ^2/NDF:21.6/13

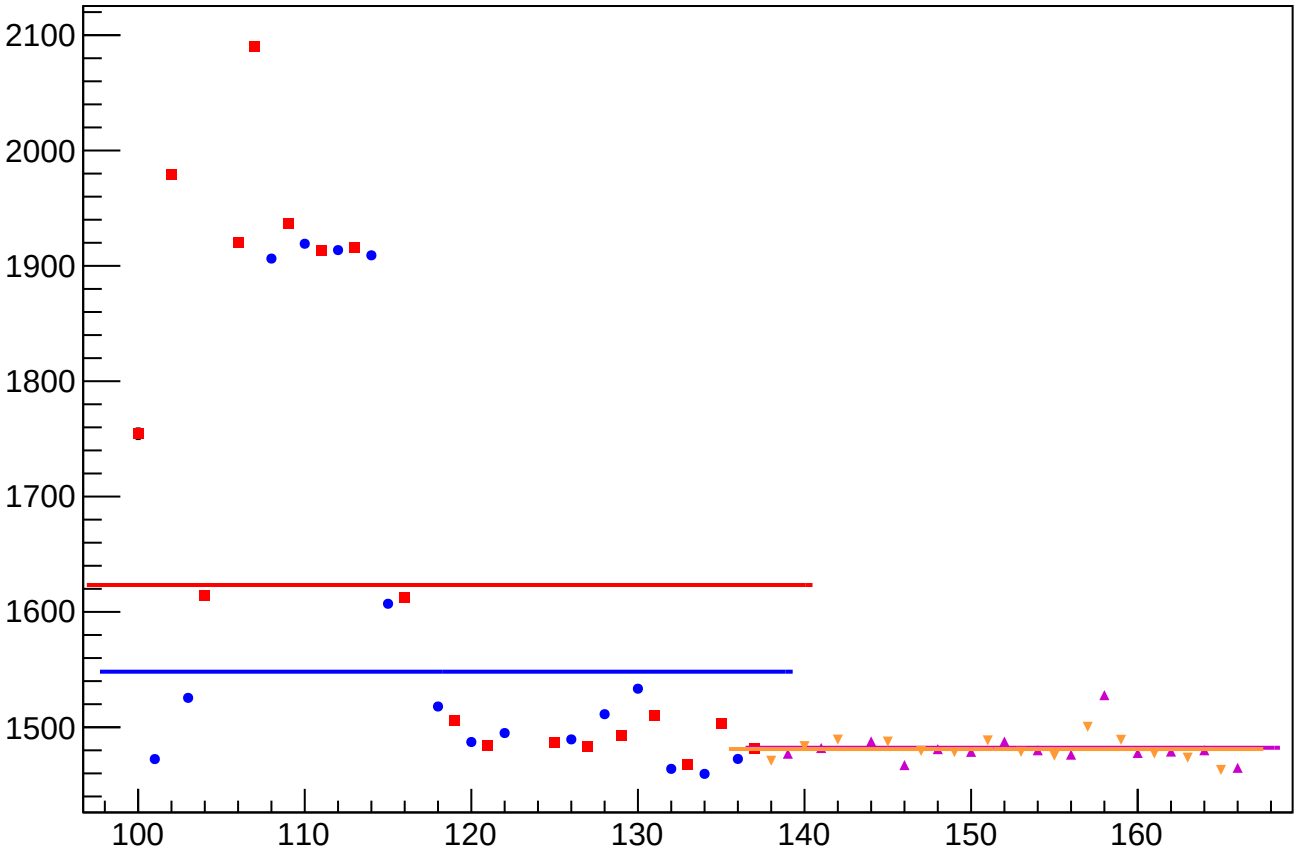
Left: 1839.971+/-311.998 χ^2/NDF: 32.3/27

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1771.561+/-348.099 χ^2/NDF:34.0/29

Out: 1874.151+/-359.190 χ^2/NDF:25.6/31

All: 1821.248+/-249.972 χ^2/NDF: 59.7/61



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1482.232+/-0.308 χ^2/NDF:2060.7/13

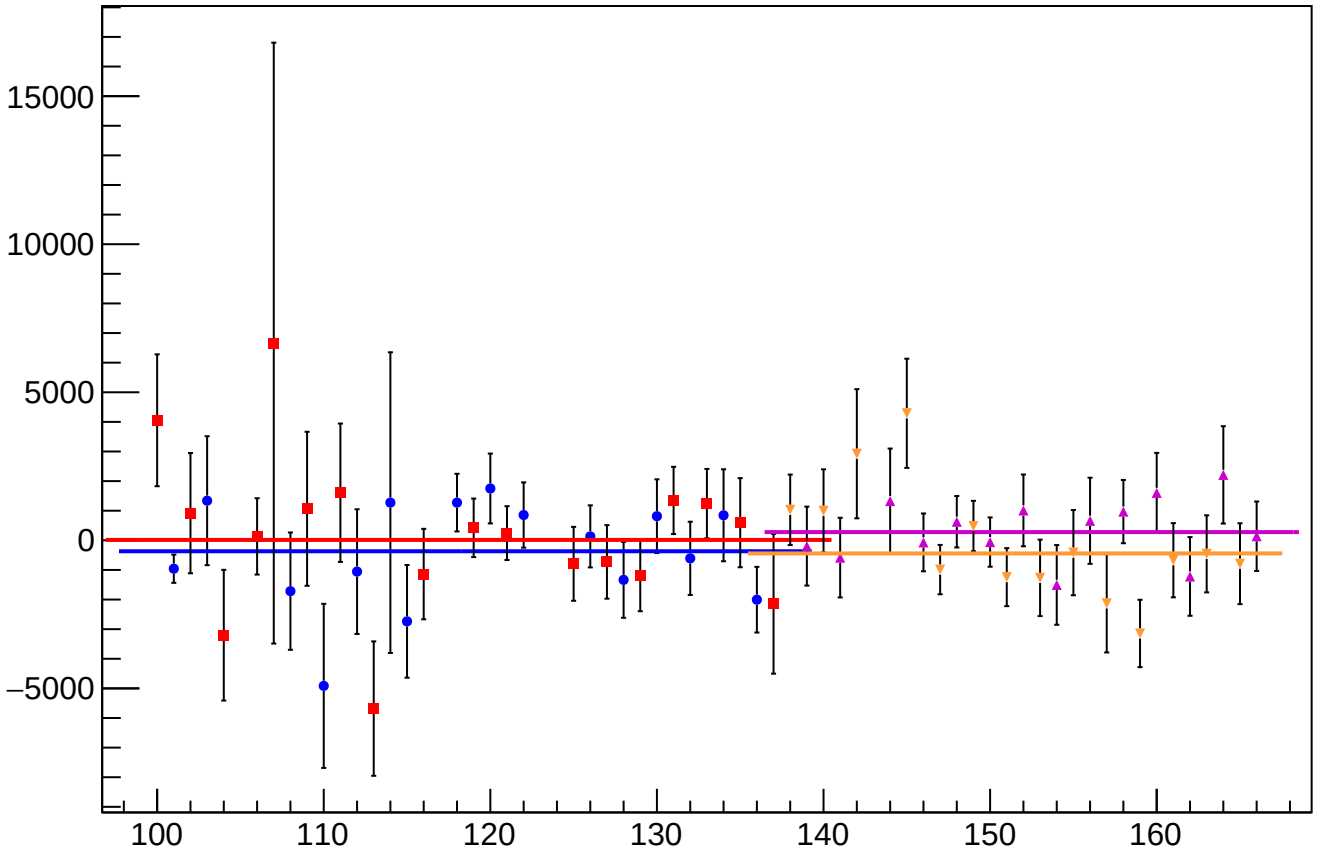
Left: 1481.686+/-0.221 χ^2/NDF: 2850.7/27

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1506.180+/-0.246 χ^2/NDF:138564.7/29

Out: 1531.269+/-0.254 χ^2/NDF:283895.7/31

All: 1518.331+/-0.177 χ^2/NDF: 427492.2/61



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -442.233+/-323.299 χ^2/NDF:21.0/13

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 278.057+/-315.514 χ^2/NDF:7.6/13

Left: -73.312+/-225.804 χ^2/NDF: 31.1/27

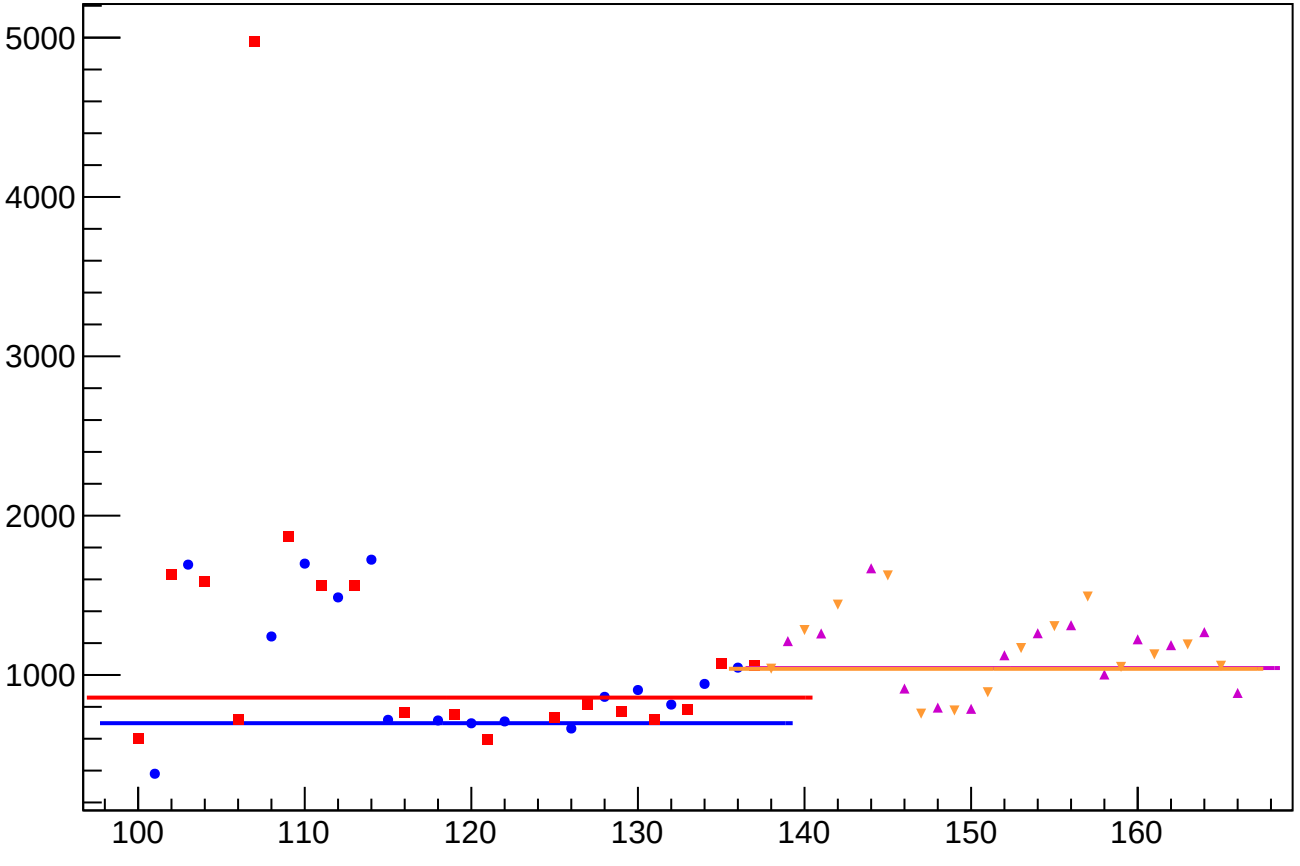
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -76.338+/-212.135 χ^2/NDF:28.8/29

Out: -226.771+/-234.800 χ^2/NDF:41.0/31

All: -143.945+/-157.407 χ^2/NDF: 70.0/61

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1038.856+/-0.229 χ^2/NDF:1070499.7/13

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1043.596+/-0.223 χ^2/NDF:985858.1/13

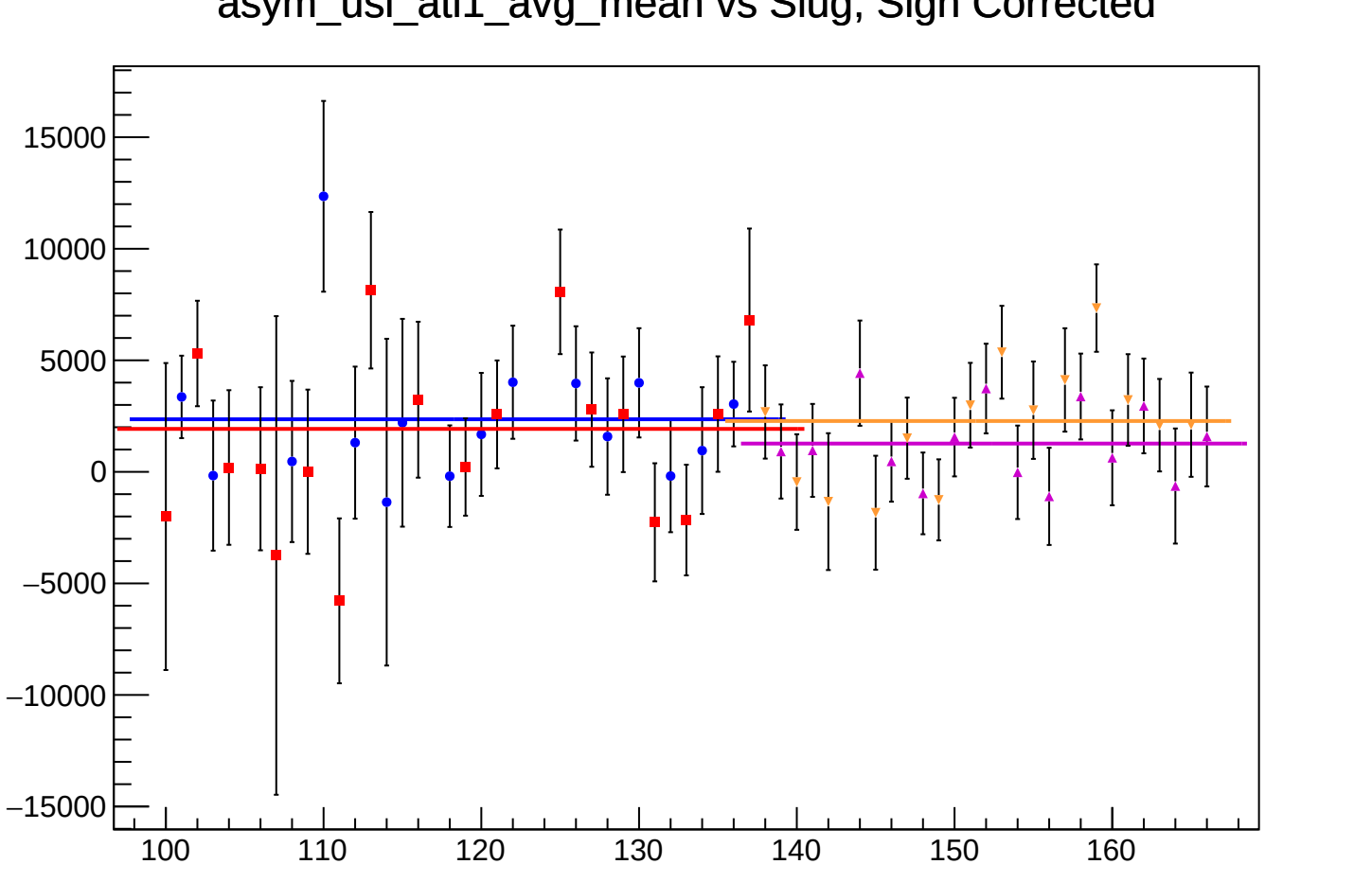
Left: 1041.284+/-0.160 χ^2/NDF: 2056578.1/27

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

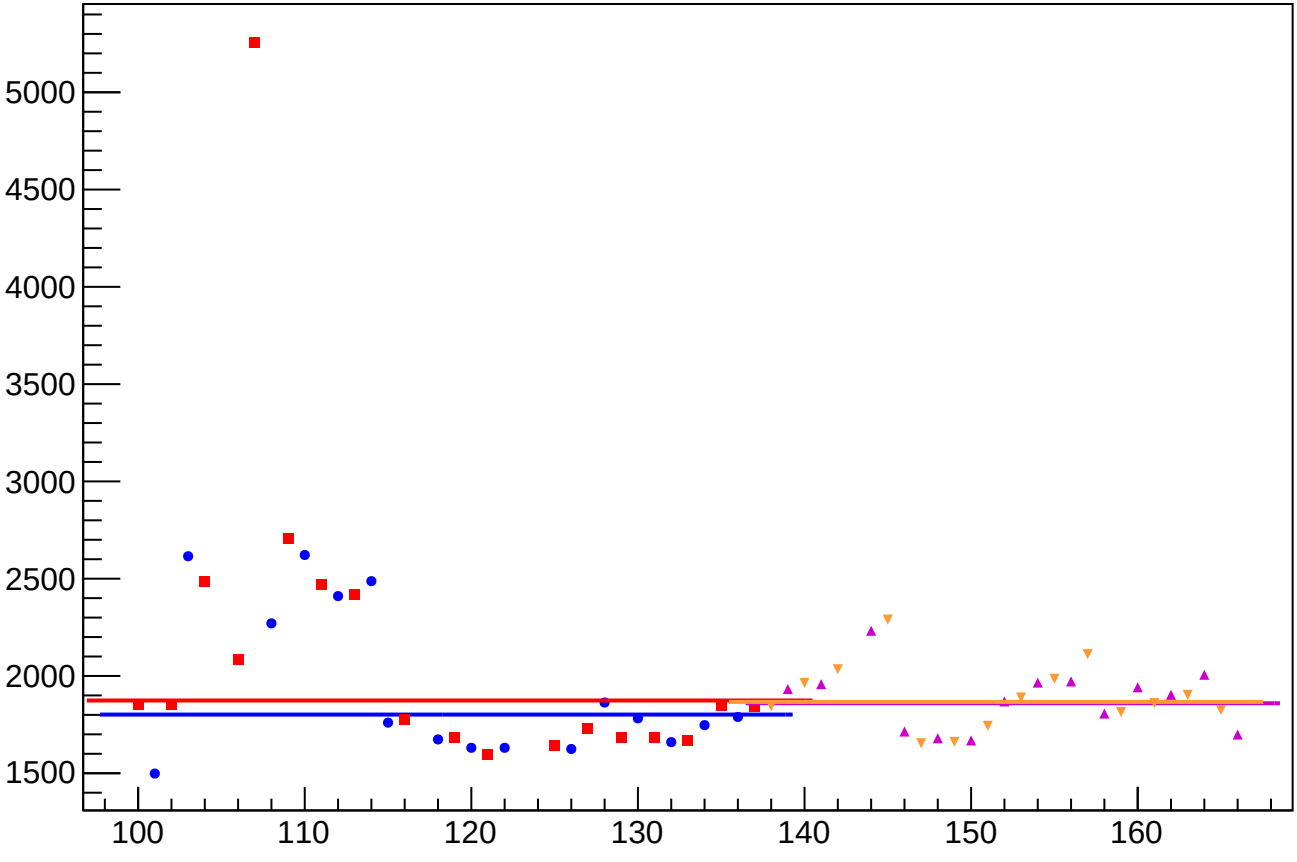
In: 853.961+/-0.150 χ^2/NDF:4739970.3/29

Out: 953.438+/-0.166 χ^2/NDF:3248118.6/31

All: 898.668+/-0.111 χ^2/NDF: 8185740.1/61


asym_usl_atl1_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 2356.998+/-678.944 χ²/NDF: 11.0/15
Left Out: 2279.052+/-565.231 χ²/NDF:19.5/13
Right Out: 1924.824+/-706.809 χ²/NDF: 23.4/17
Left In: 1267.623+/-549.612 χ²/NDF:9.1/13
Left: 1759.170+/-394.040 χ²/NDF: 30.3/27
Right: 2149.598+/-489.640 χ²/NDF: 34.6/33
In: 1698.887+/-427.186 χ²/NDF:21.7/29
Out: 2140.881+/-441.437 χ²/NDF:43.1/31
All: 1912.634+/-306.981 χ²/NDF: 65.3/61

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.636+/-0.400 χ^2/NDF:157807.9/13

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1859.767+/-0.389 χ^2/NDF:145125.1/13

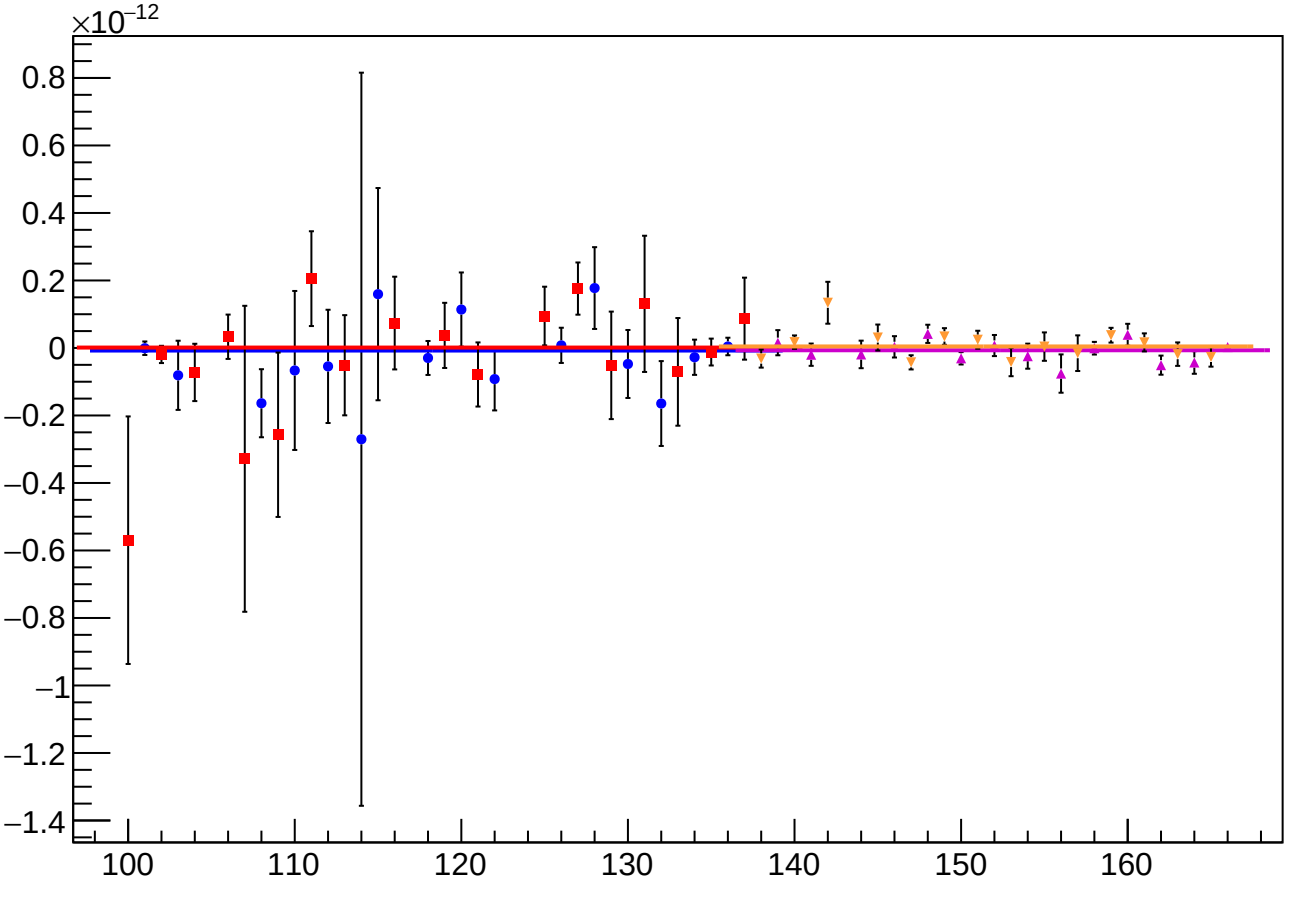
Left: 1863.105+/-0.279 χ^2/NDF: 303084.9/27

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1836.711+/-0.302 χ^2/NDF:554717.5/29

Out: 1869.499+/-0.312 χ^2/NDF:727848.5/31

All: 1852.568+/-0.217 χ^2/NDF: 1288263.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/13

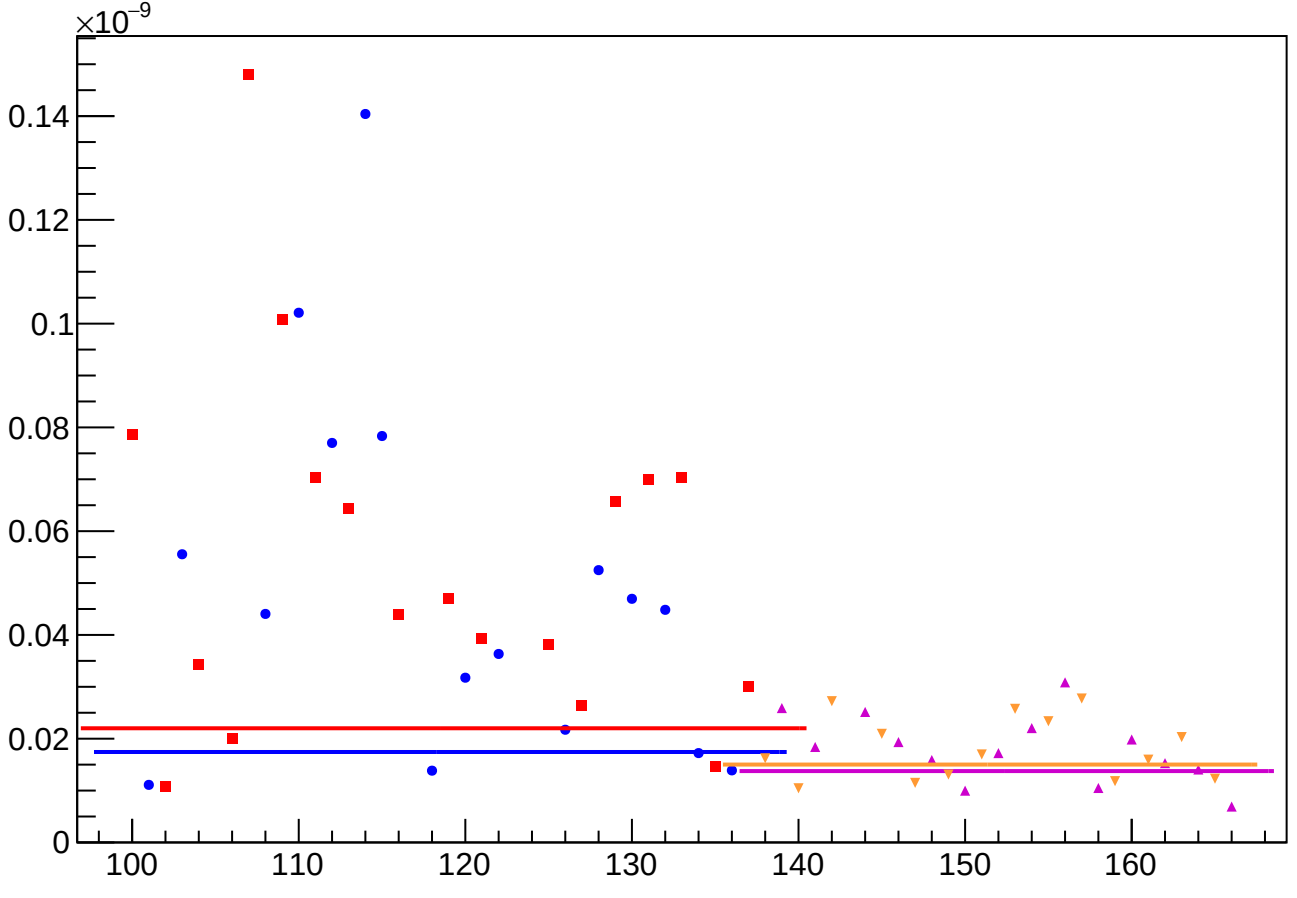
Left: -0.000+/-0.000 χ^2/NDF: 34.4/27

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:23.9/29

Out: 0.000+/-0.000 χ^2/NDF:36.2/31

All: -0.000+/-0.000 χ^2/NDF: 61.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:748741.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1431862.8/13

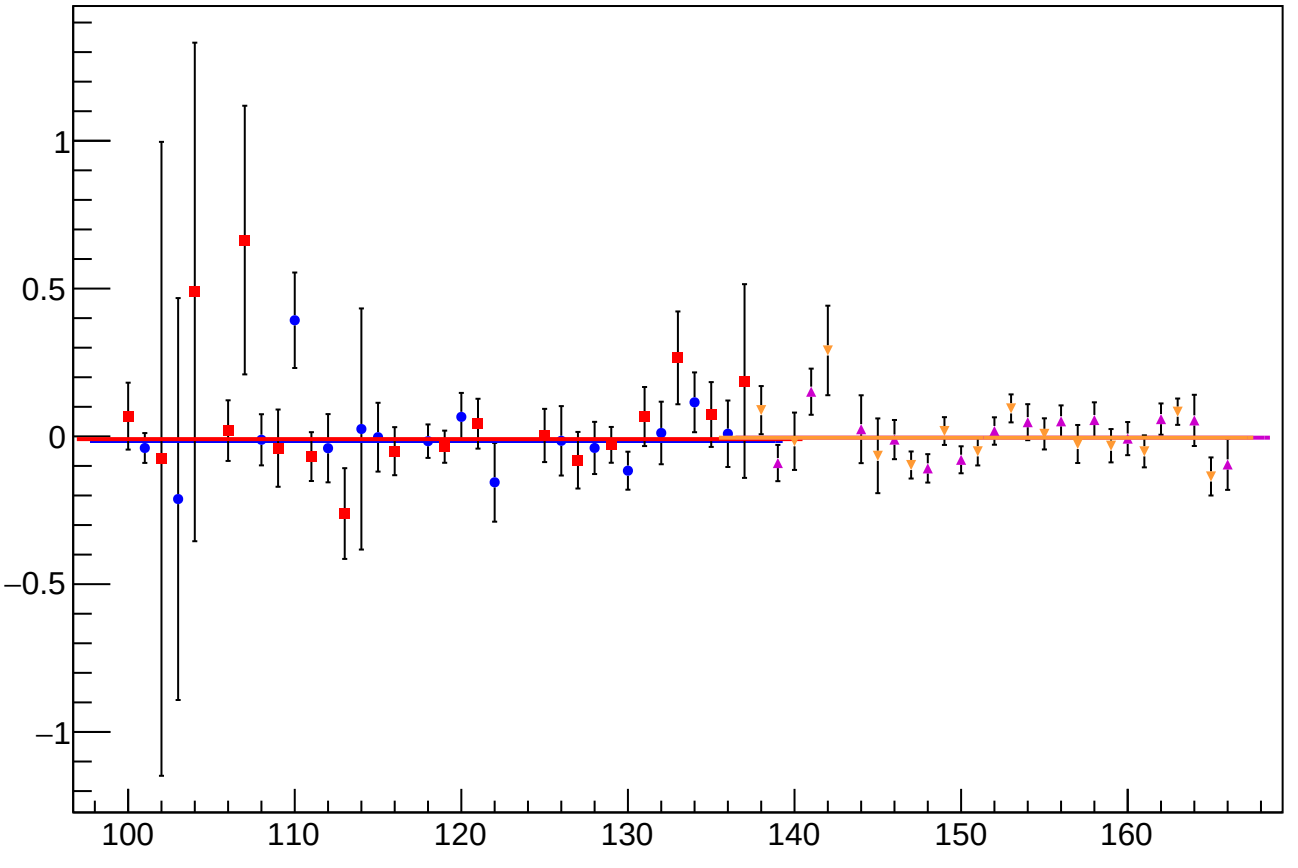
Left: 0.000+/-0.000 χ^2/NDF: 2209873.2/27

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3393769.0/29

Out: 0.000+/-0.000 χ^2/NDF:3124904.4/31

All: 0.000+/-0.000 χ^2/NDF: 6576512.7/61



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.4/13

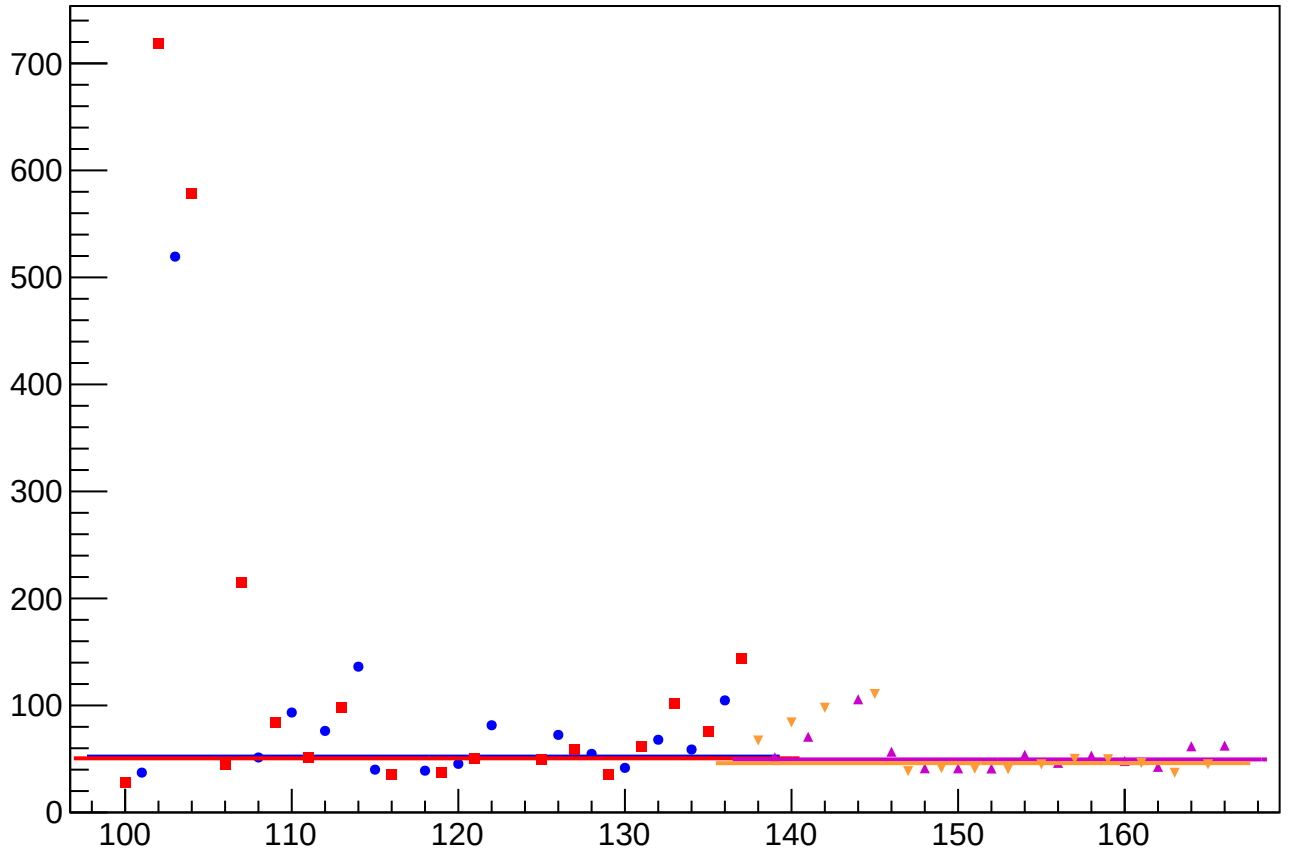
Left: -0.004+/-0.011 χ^2/NDF: 43.5/27

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.007+/-0.009 χ^2/NDF: 69.4/61



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422612.9/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.548+/-0.011 χ^2/NDF:990042.2/13

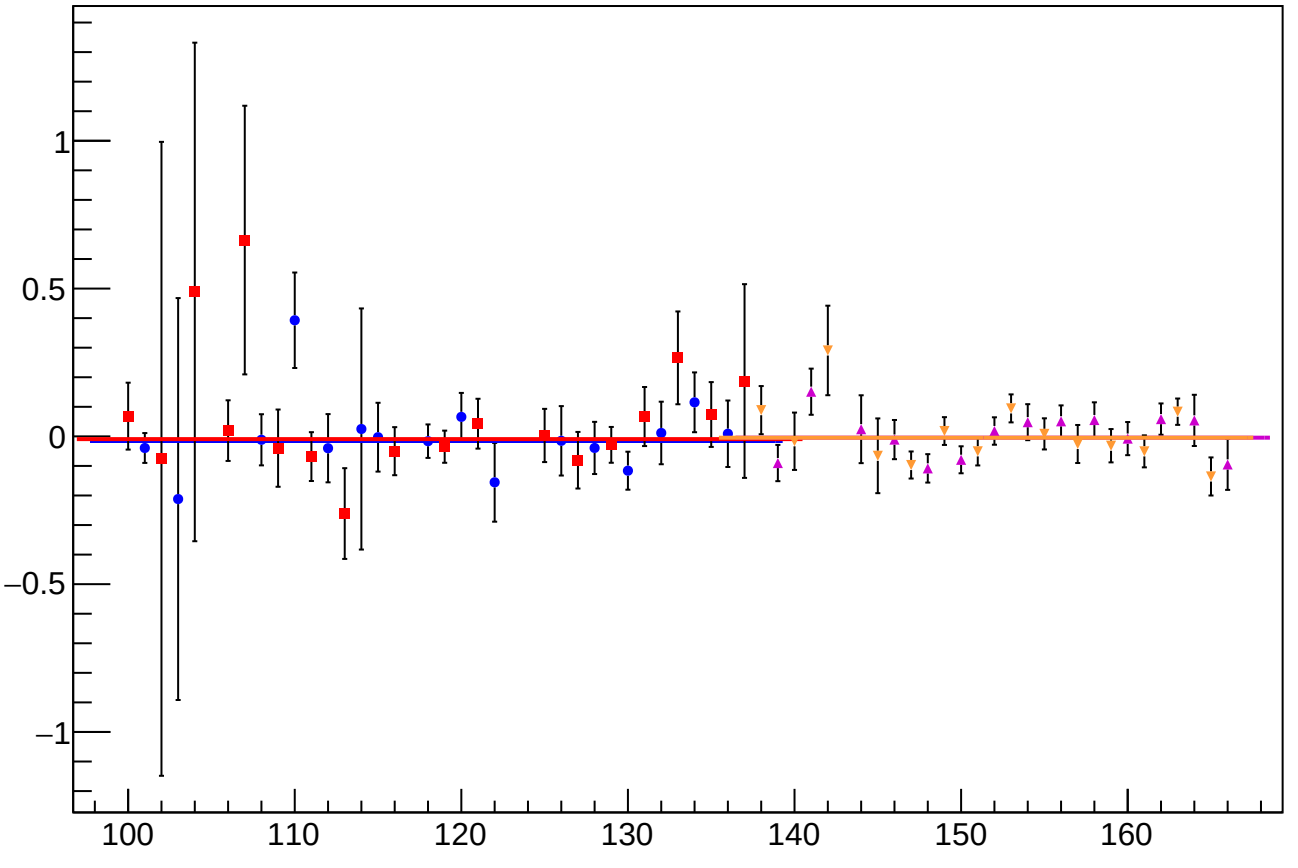
Left: 47.755+/-0.008 χ^2/NDF: 2462019.0/27

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.422+/-0.009 χ^2/NDF:3275205.1/29

Out: 47.420+/-0.009 χ^2/NDF:4525344.2/31

All: 48.911+/-0.006 χ^2/NDF: 7854045.5/61



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.4/13

Left: -0.004+/-0.011 χ^2/NDF: 43.5/27

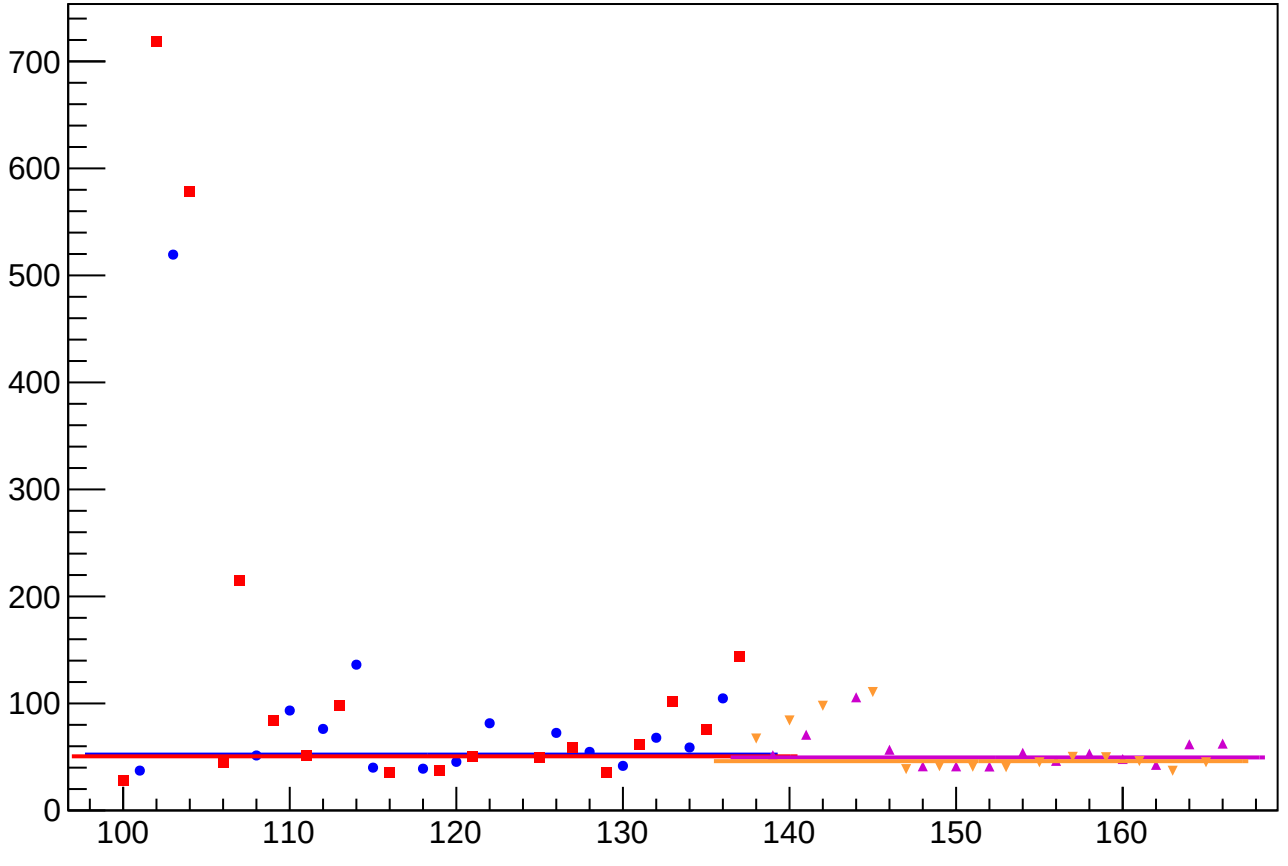
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.007+/-0.009 χ^2/NDF: 69.4/61

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422612.9/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.548+/-0.011 χ^2/NDF:990042.2/13

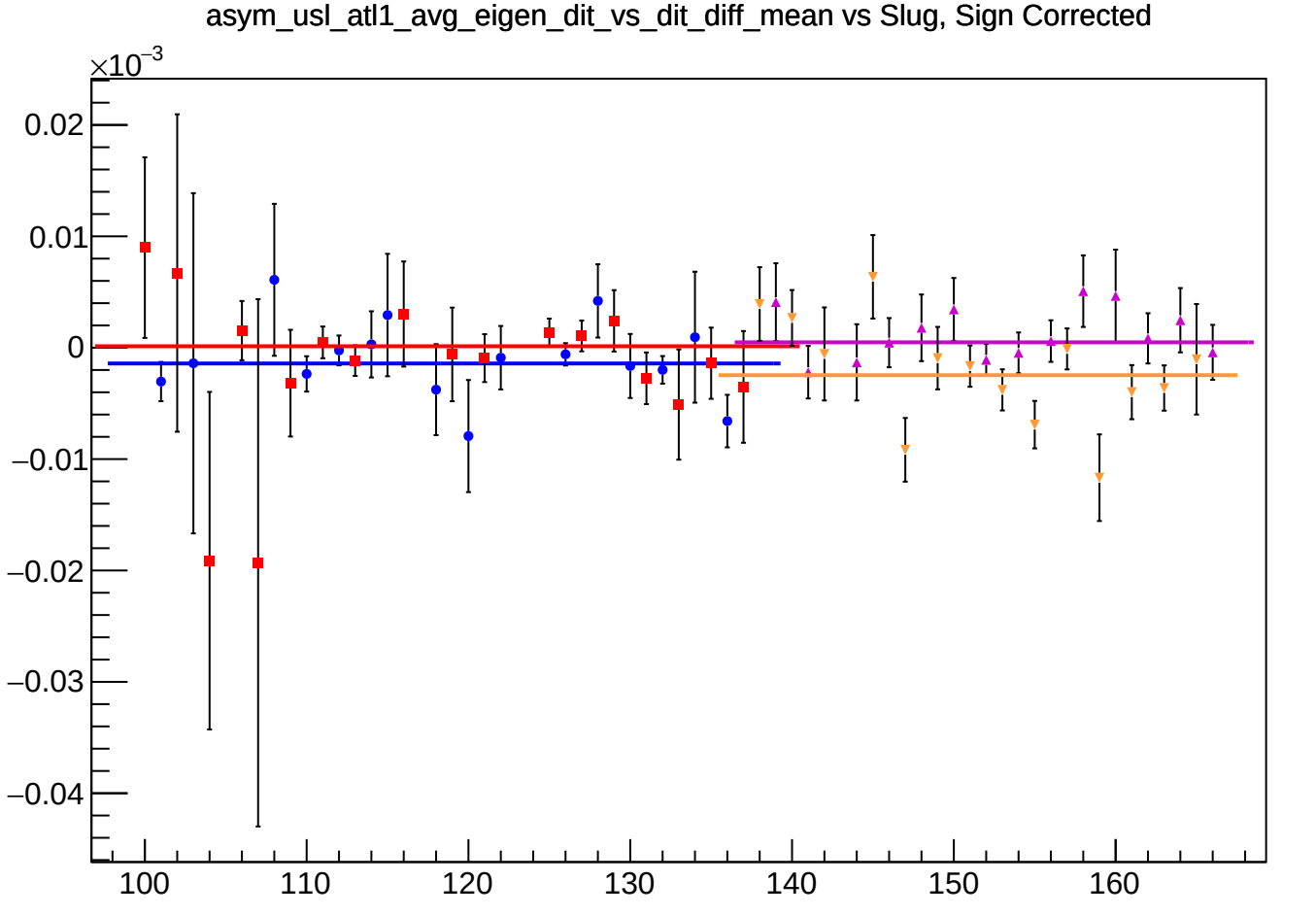
Left: 47.755+/-0.008 χ^2/NDF: 2462019.0/27

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.422+/-0.009 χ^2/NDF:3275205.1/29

Out: 47.420+/-0.009 χ^2/NDF:4525344.2/31

All: 48.911+/-0.006 χ^2/NDF: 7854045.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

Left: -0.000+/-0.000 χ^2/NDF: 51.9/27

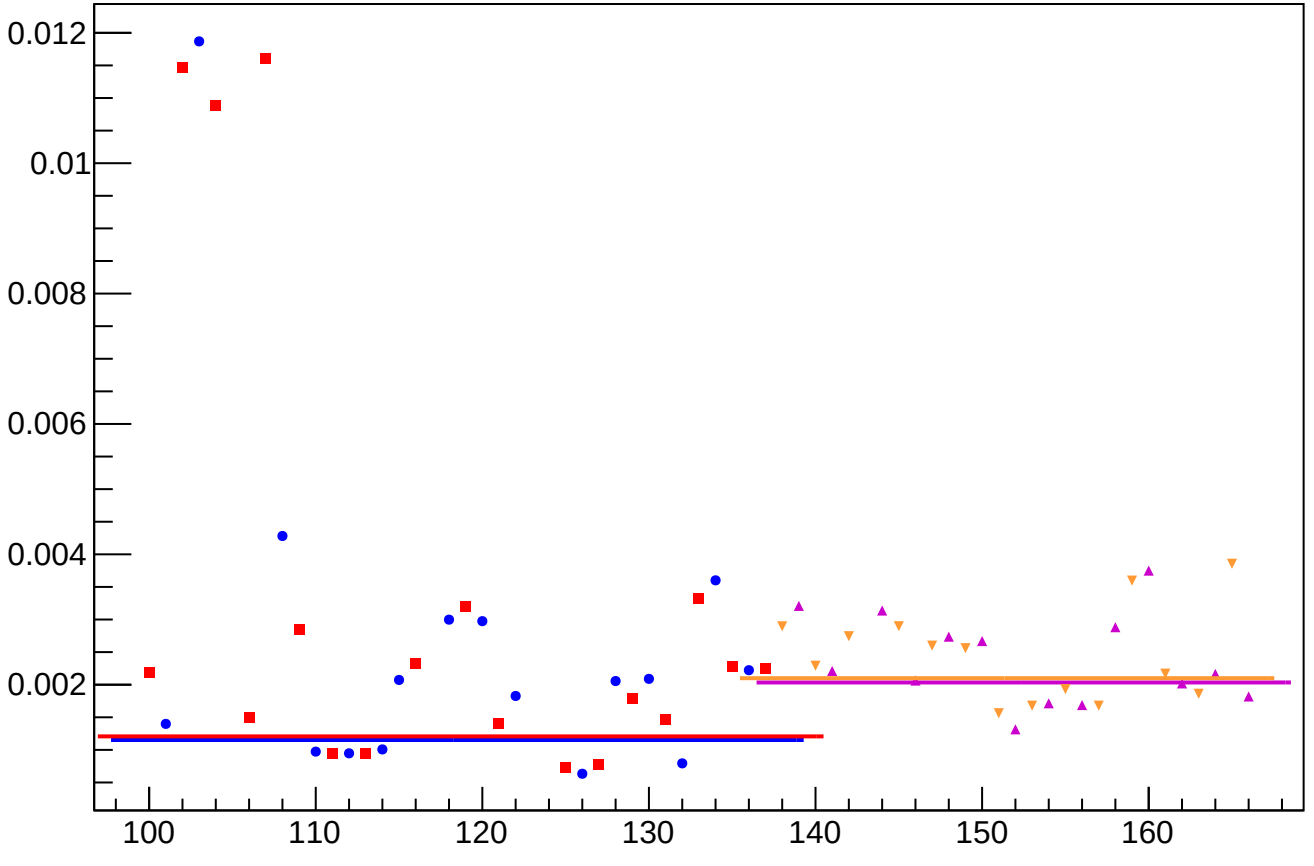
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:53.1/31

All: -0.000+/-0.000 χ^2/NDF: 82.8/61

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1345407.5/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1791434.6/13

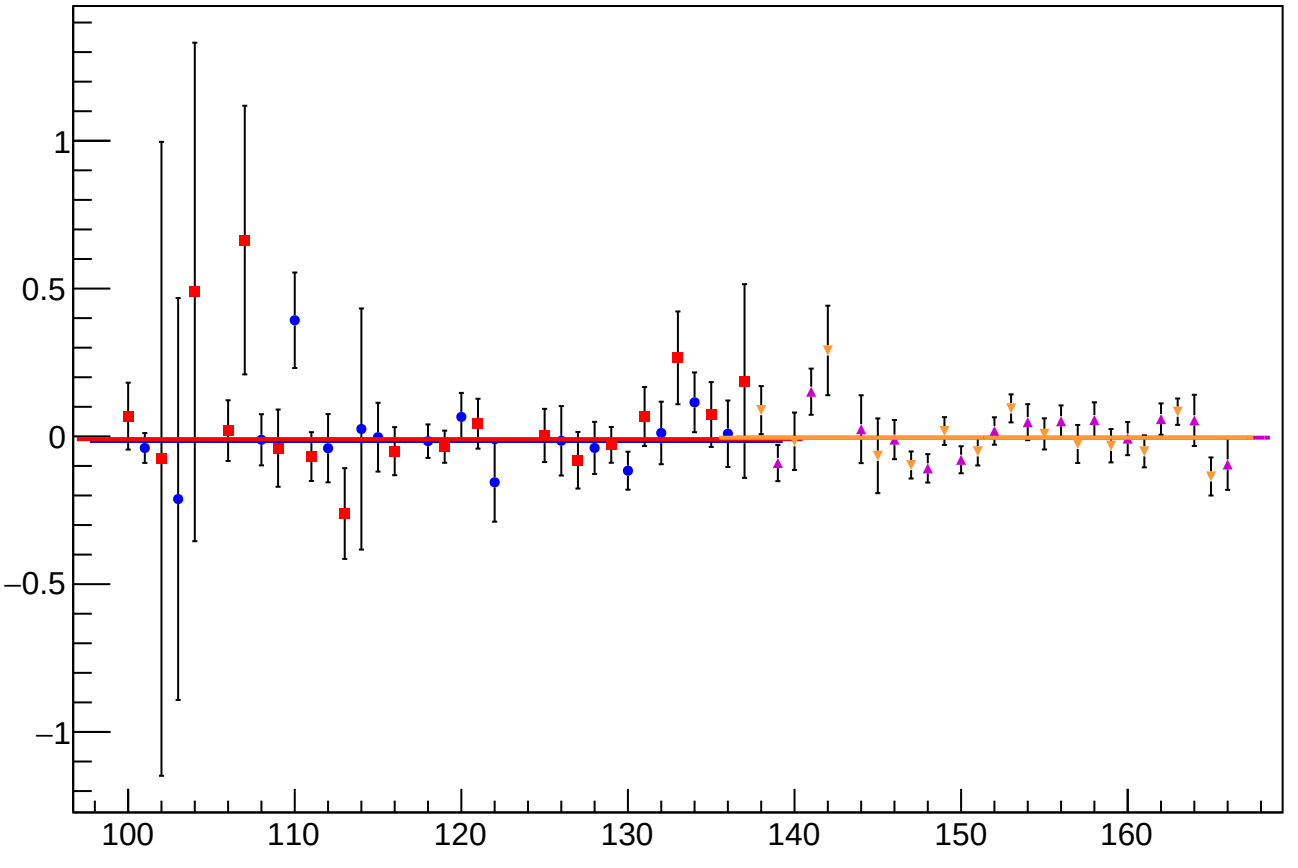
Left: 0.002+/-0.000 χ^2/NDF: 3146988.7/27

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.002+/-0.000 χ^2/NDF:8315367.9/29

Out: 0.002+/-0.000 χ^2/NDF:7976803.6/31

All: 0.002+/-0.000 χ^2/NDF: 16319656.7/61



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.3/13

Left: -0.004+/-0.011 χ^2/NDF: 43.5/27

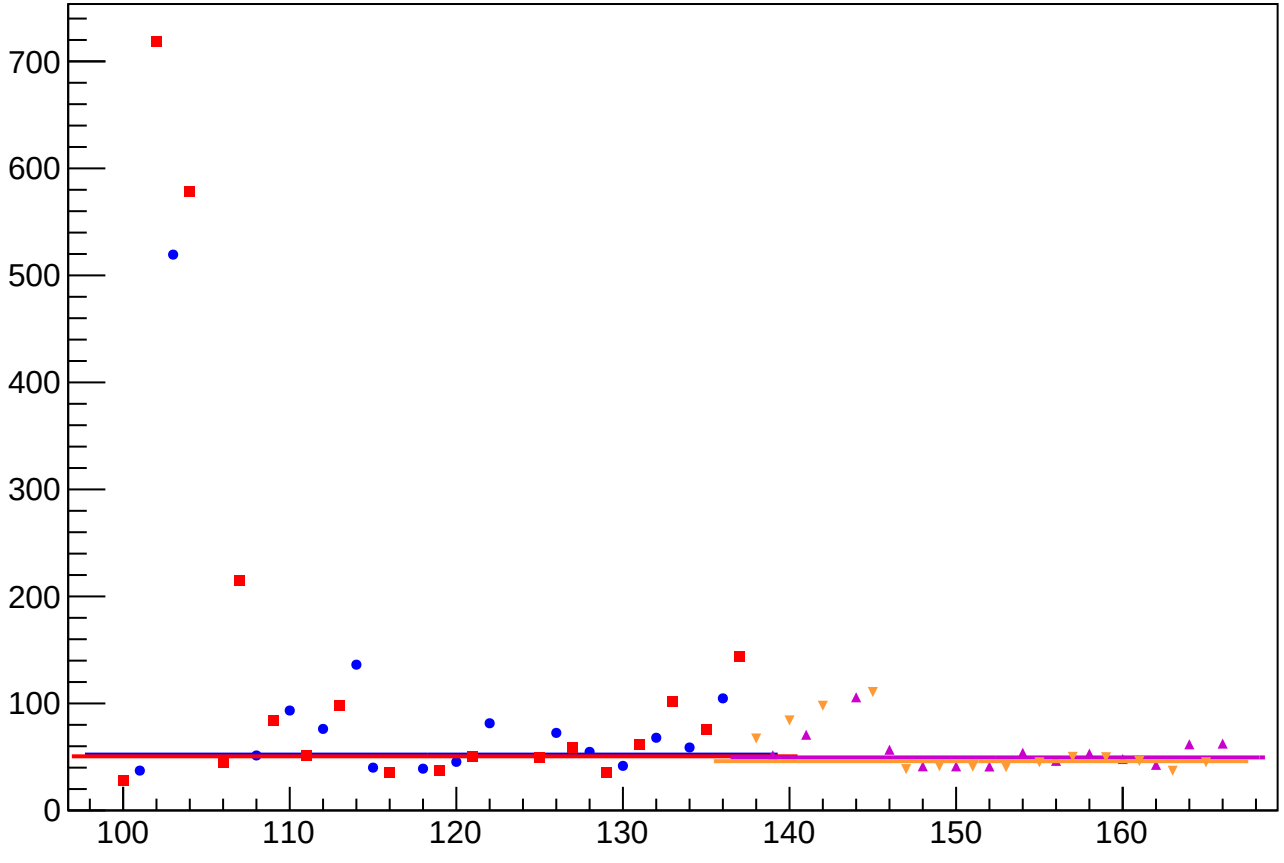
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.007+/-0.009 χ^2/NDF: 69.4/61

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.548+/-0.011 χ^2/NDF:990047.8/13

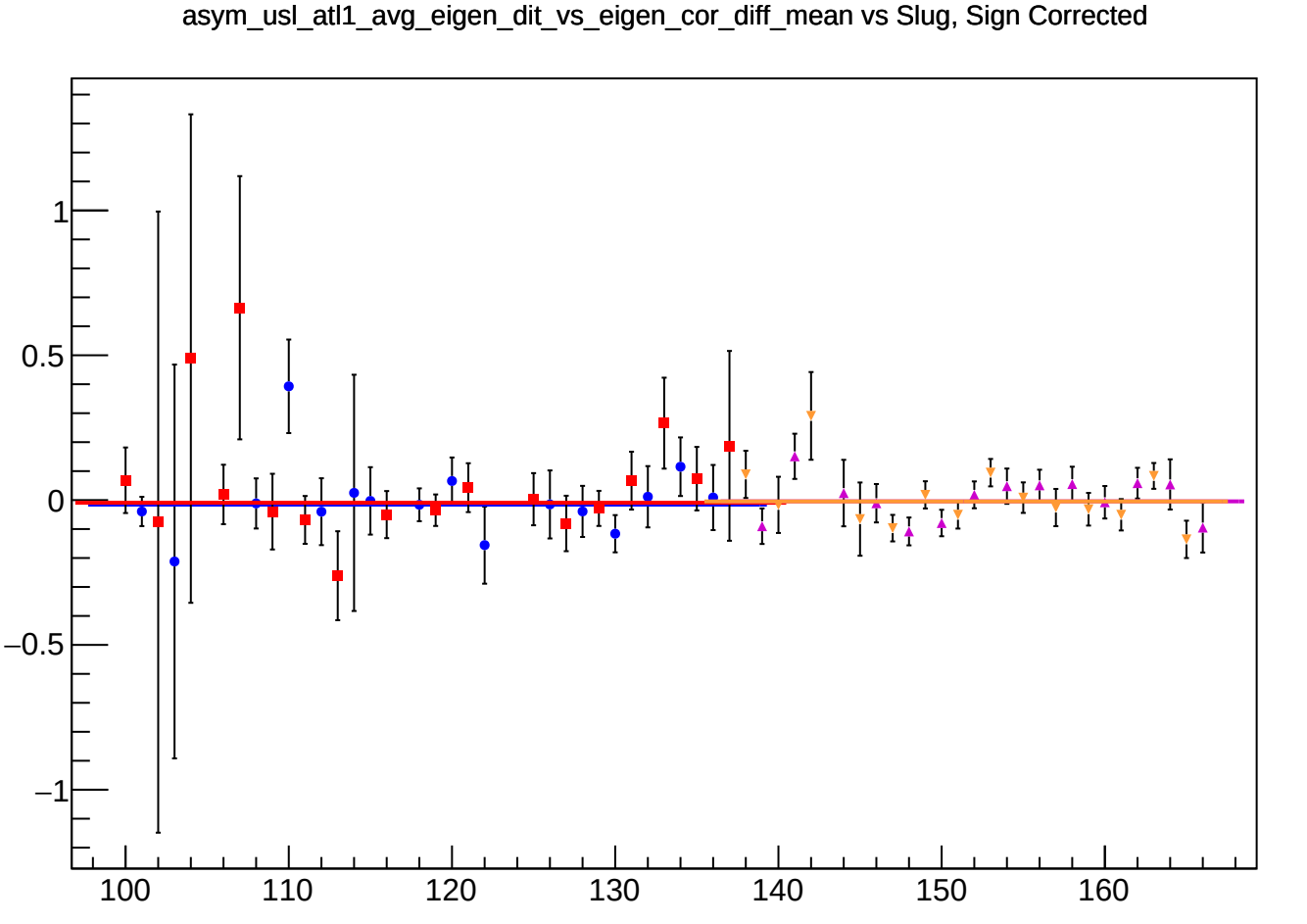
Left: 47.755+/-0.008 χ^2/NDF: 2462011.5/27

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.422+/-0.009 χ^2/NDF:3275202.4/29

Out: 47.420+/-0.009 χ^2/NDF:4525310.8/31

All: 48.911+/-0.006 χ^2/NDF: 7854006.1/61



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.004+/-0.016 χ^2/NDF:19.3/13

Left: -0.004+/-0.011 χ^2/NDF: 43.5/27

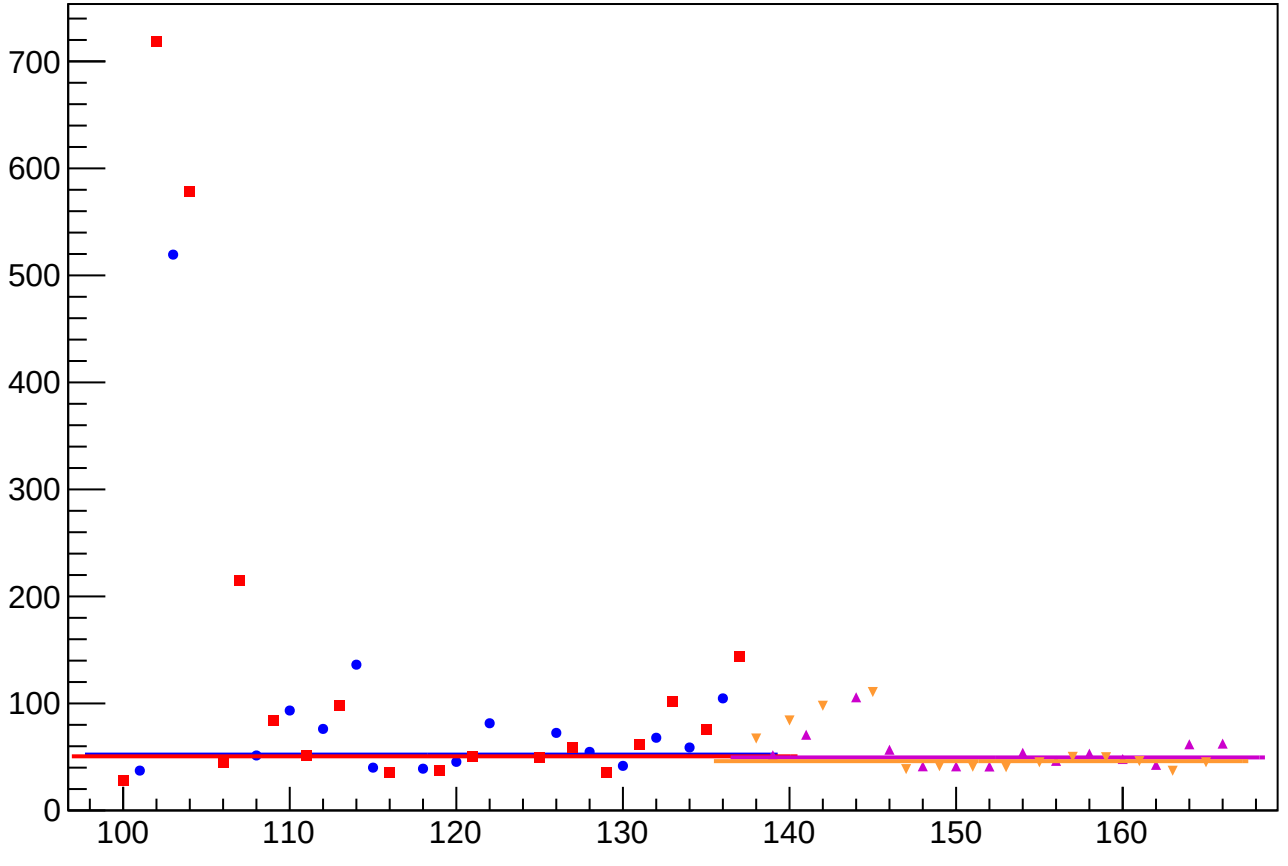
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:32.7/29

Out: -0.006+/-0.013 χ^2/NDF:36.6/31

All: -0.007+/-0.009 χ^2/NDF: 69.4/61

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.548+/-0.011 χ^2/NDF:990047.8/13

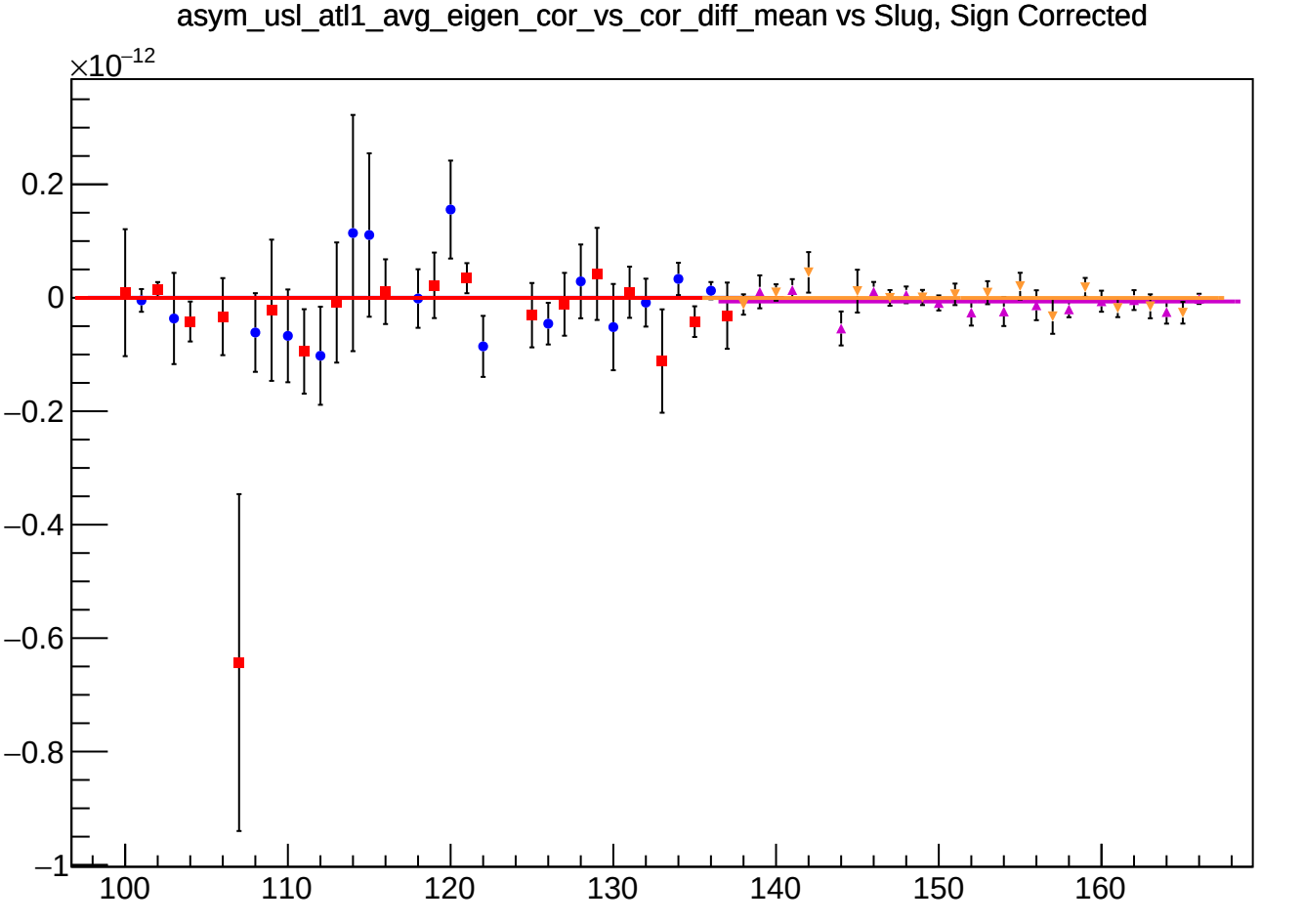
Left: 47.755+/-0.008 χ^2/NDF: 2462011.5/27

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.422+/-0.009 χ^2/NDF:3275202.4/29

Out: 47.420+/-0.009 χ^2/NDF:4525310.8/31

All: 48.911+/-0.006 χ^2/NDF: 7854006.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/13

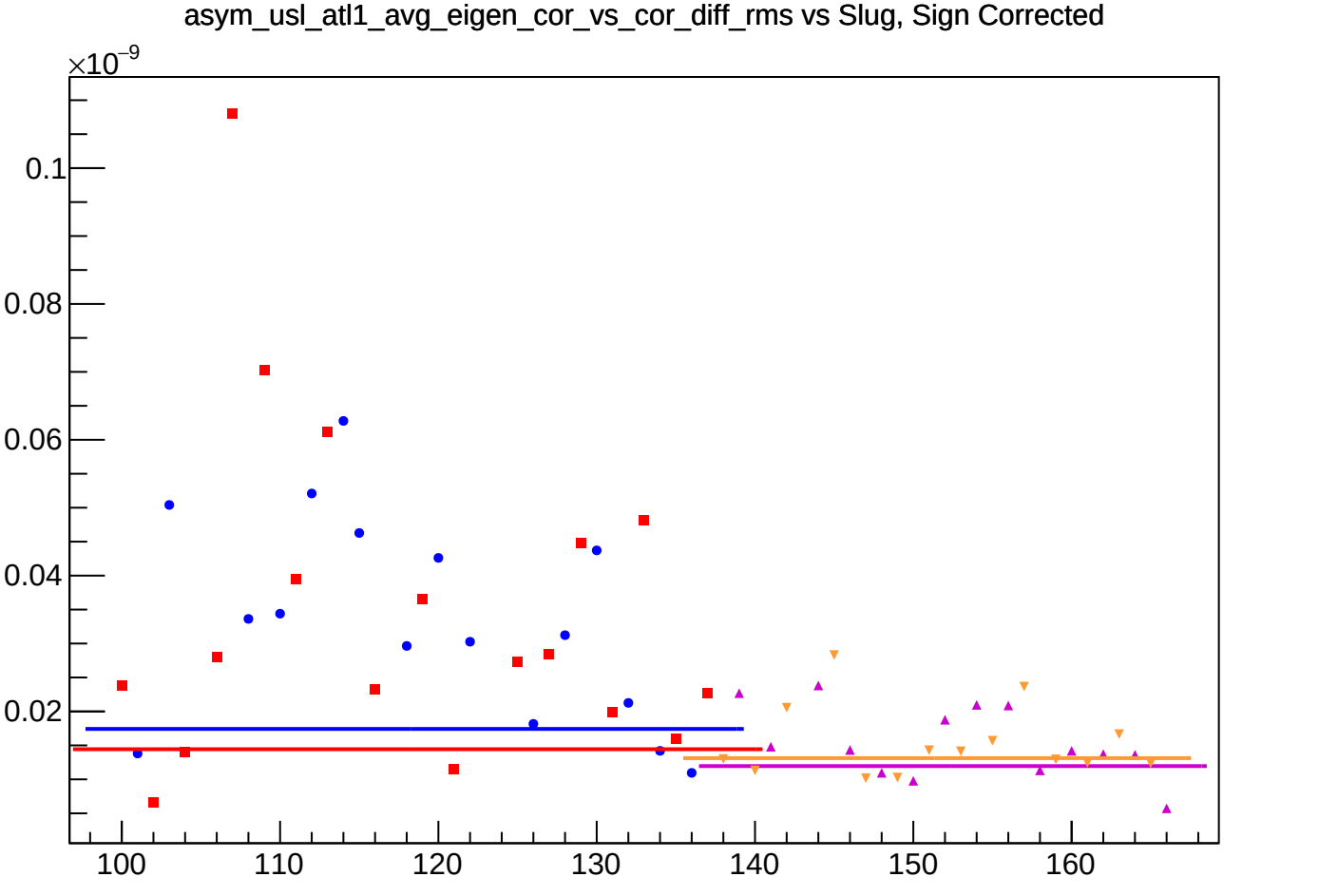
Left: -0.000+/-0.000 χ^2/NDF: 19.4/27

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

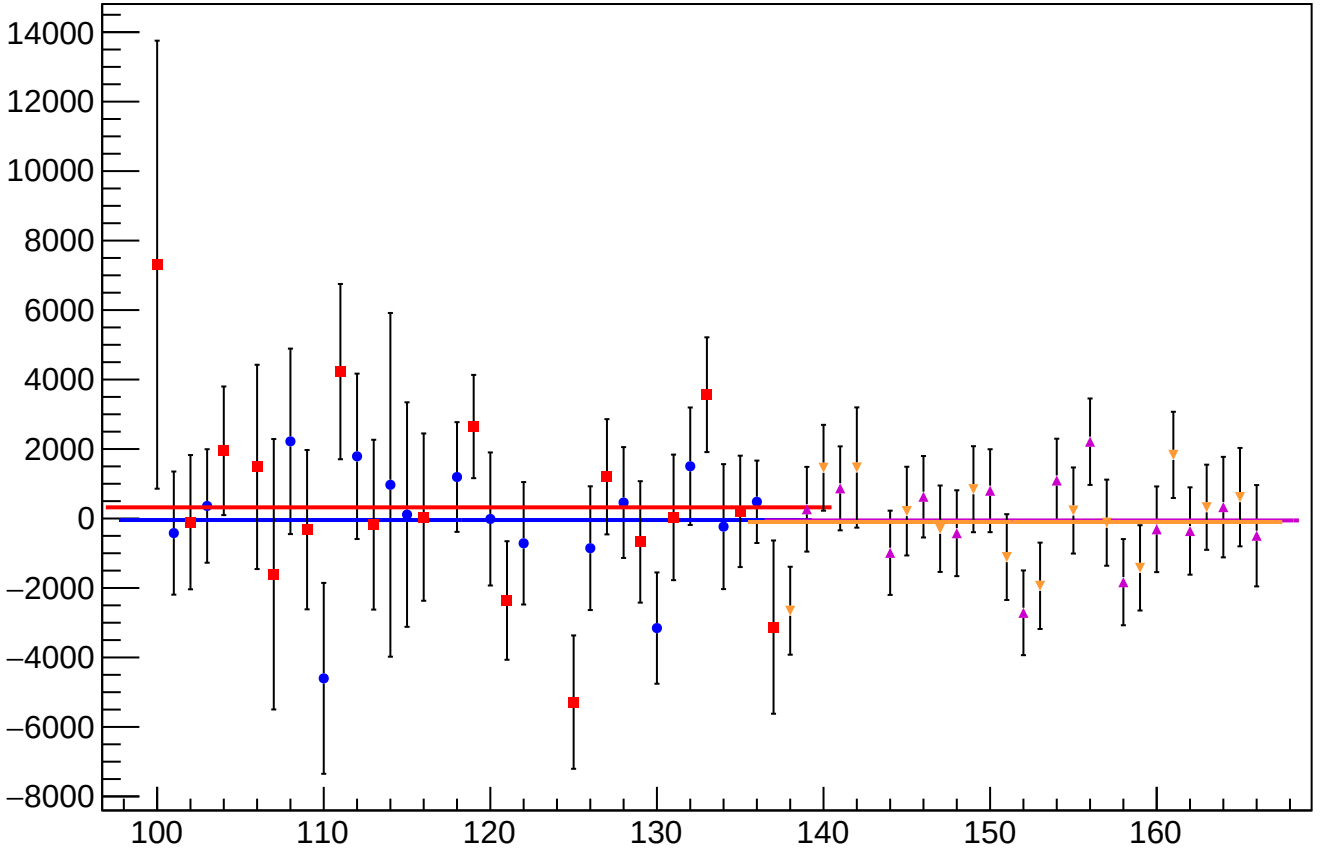
In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: -0.000+/-0.000 χ^2/NDF:25.6/31

All: -0.000+/-0.000 χ^2/NDF: 49.7/61


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:956473.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:2410186.2/13
Left: 0.000+/-0.000 χ²/NDF: 3428033.9/27
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:5186906.4/29
Out: 0.000+/-0.000 χ²/NDF:4250544.9/31
All: 0.000+/-0.000 χ²/NDF: 9449551.1/61

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.256+/-340.864 χ^2/NDF:14.0/13

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

Left: -77.182+/-238.194 χ^2/NDF: 27.5/27

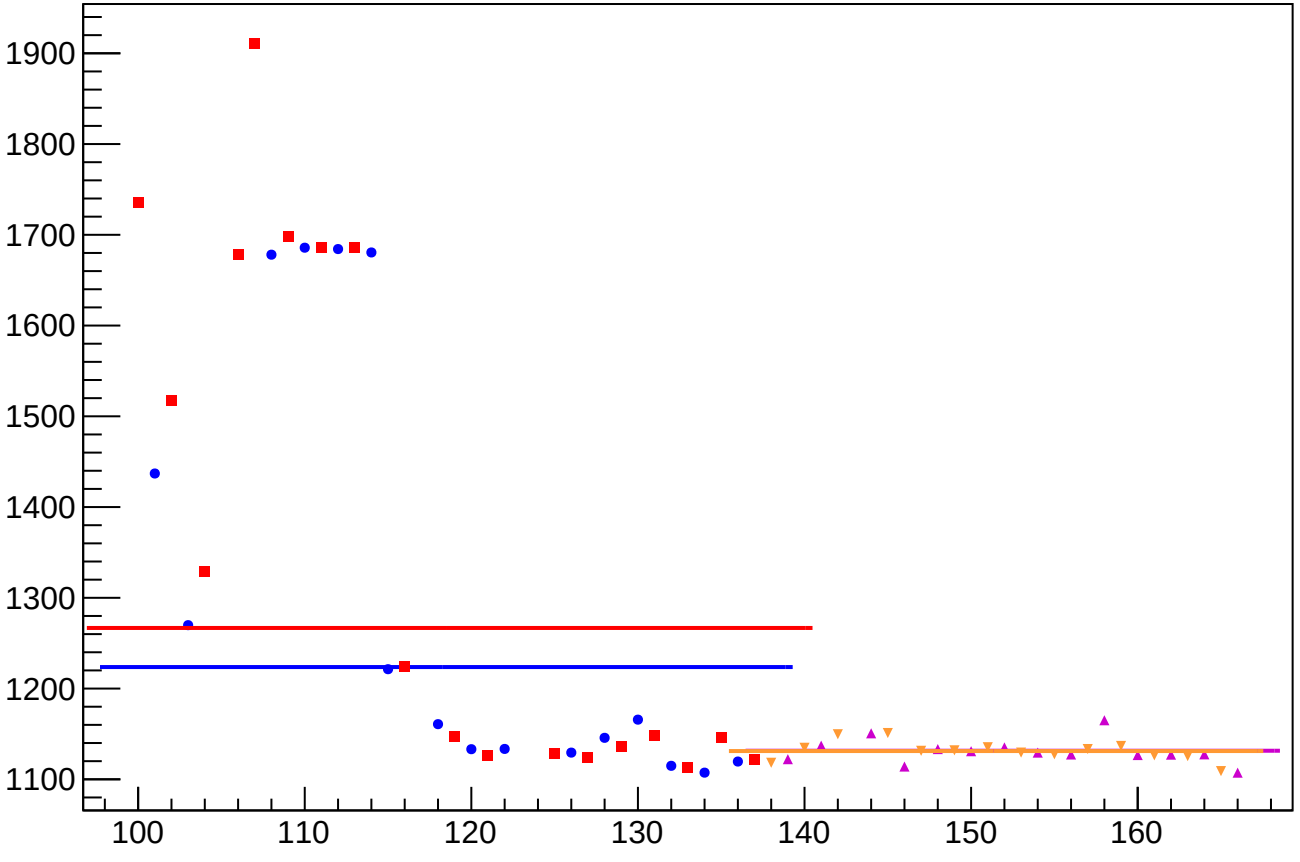
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -51.206+/-269.576 χ^2/NDF:23.6/29

Out: 43.051+/-276.924 χ^2/NDF:39.3/31

All: -5.345+/-193.165 χ^2/NDF: 63.0/61

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

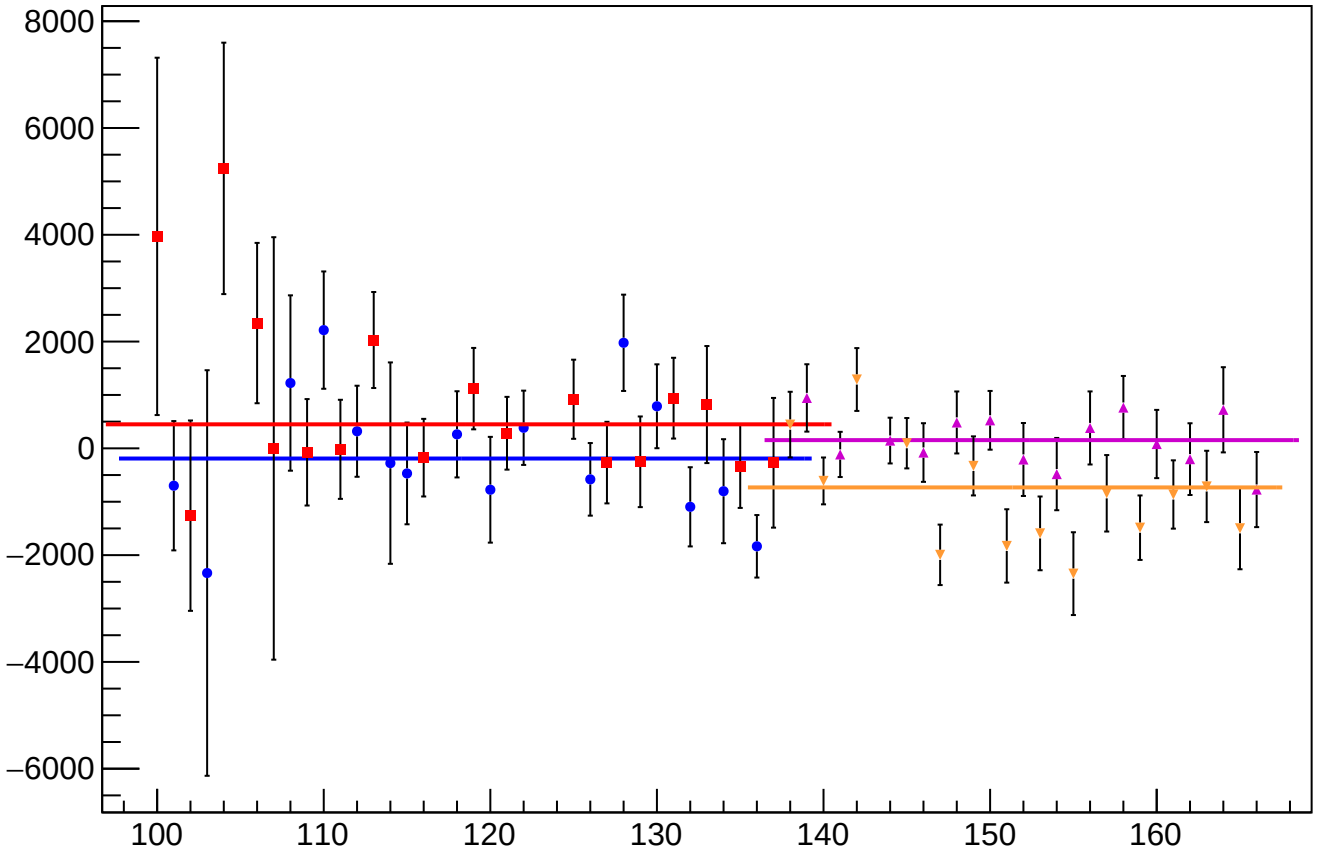
Left: 1131.324+/-0.168 χ^2/NDF: 4825.9/27

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1163.269+/-0.191 χ^2/NDF:351056.4/29

Out: 1177.259+/-0.196 χ^2/NDF:542089.3/31

All: 1170.076+/-0.137 χ^2/NDF: 895766.7/61



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -731.893+/-161.027 χ^2/NDF:35.2/13

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 153.960+/-156.753 χ^2/NDF:7.8/13

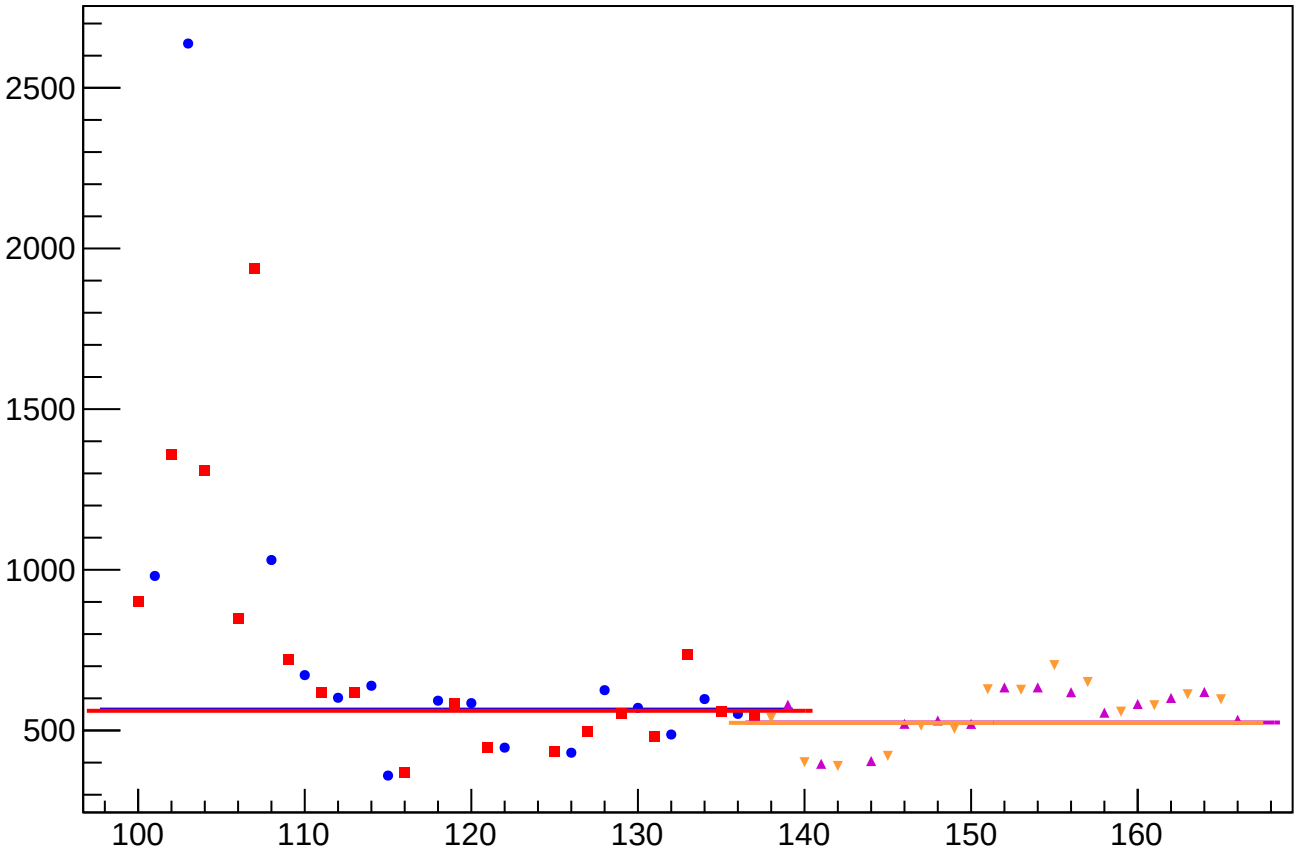
Left: -277.055+/-112.322 χ^2/NDF: 58.5/27

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 39.911+/-128.215 χ^2/NDF:34.6/29

Out: -327.373+/-130.590 χ^2/NDF:70.4/31

All: -140.361+/-91.490 χ^2/NDF: 109.1/61



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 523.746+/-0.114 χ^2/NDF:694777.3/13

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 524.795+/-0.111 χ^2/NDF:574164.8/13

Left: 524.285+/-0.079 χ^2/NDF: 1268985.7/27

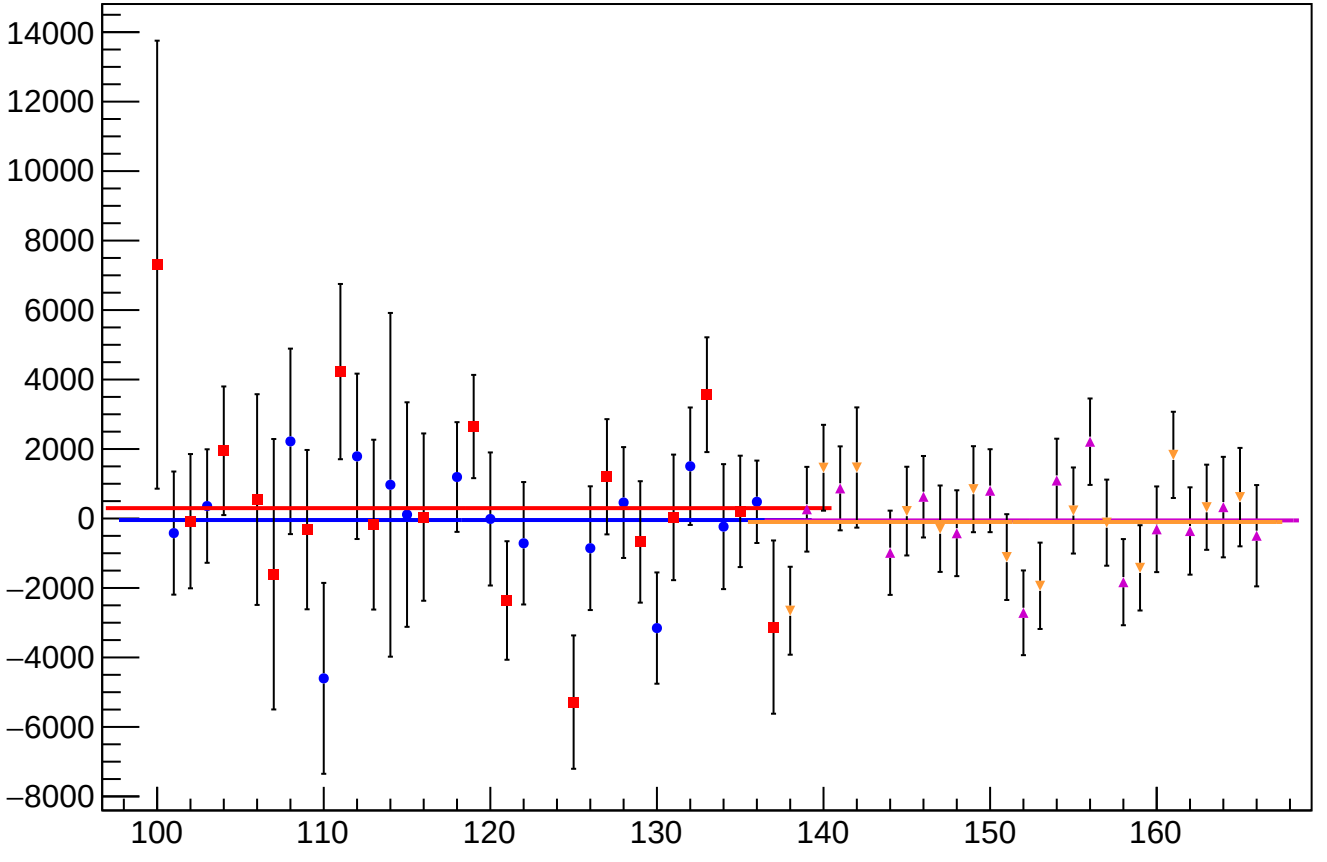
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 538.088+/-0.091 χ^2/NDF:1902099.0/29

Out: 536.582+/-0.092 χ^2/NDF:2084140.8/31

All: 537.349+/-0.065 χ^2/NDF: 3986375.3/61

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

Left: -77.156+/-238.194 χ^2/NDF: 27.5/27

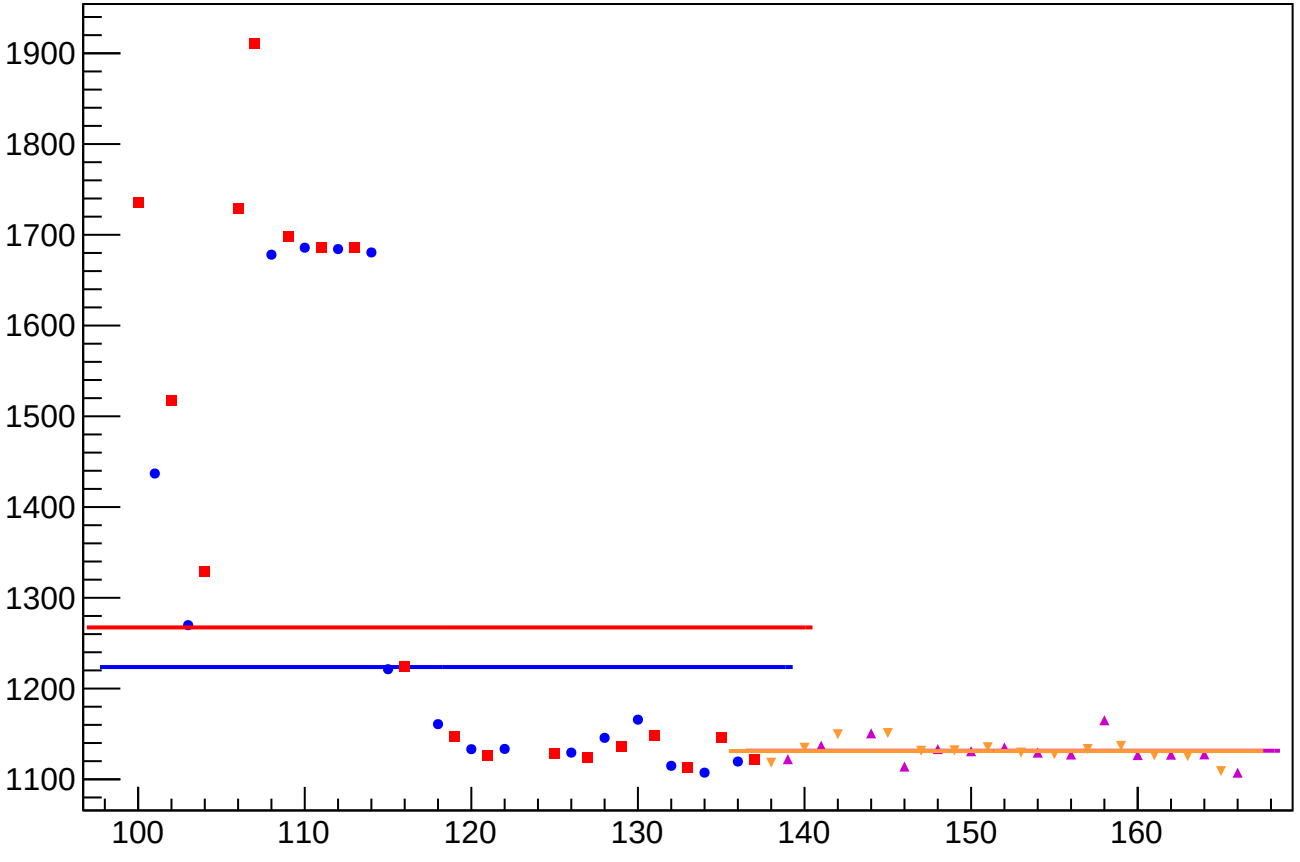
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -51.289+/-269.576 χ^2/NDF:23.6/29

Out: 35.105+/-276.999 χ^2/NDF:39.1/31

All: -9.265+/-193.190 χ^2/NDF: 62.8/61

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

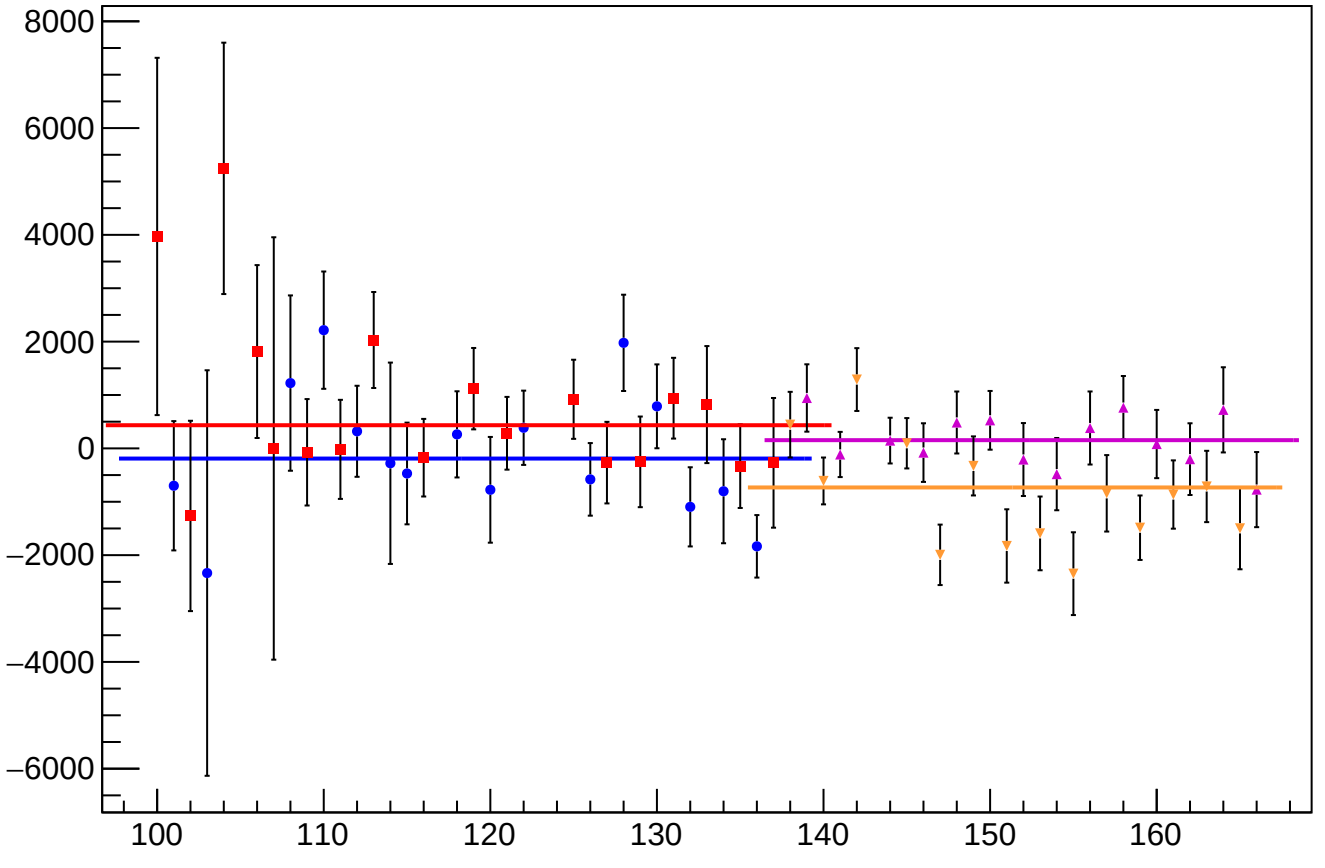
Left: 1131.324+/-0.168 χ^2/NDF: 4825.9/27

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1163.269+/-0.191 χ^2/NDF:351056.5/29

Out: 1177.409+/-0.196 χ^2/NDF:550041.2/31

All: 1170.147+/-0.137 χ^2/NDF: 903774.5/61



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -731.900+/-161.026 χ^2/NDF:35.2/13

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 153.950+/-156.753 χ^2/NDF:7.8/13

Left: -277.064+/-112.321 χ^2/NDF: 58.5/27

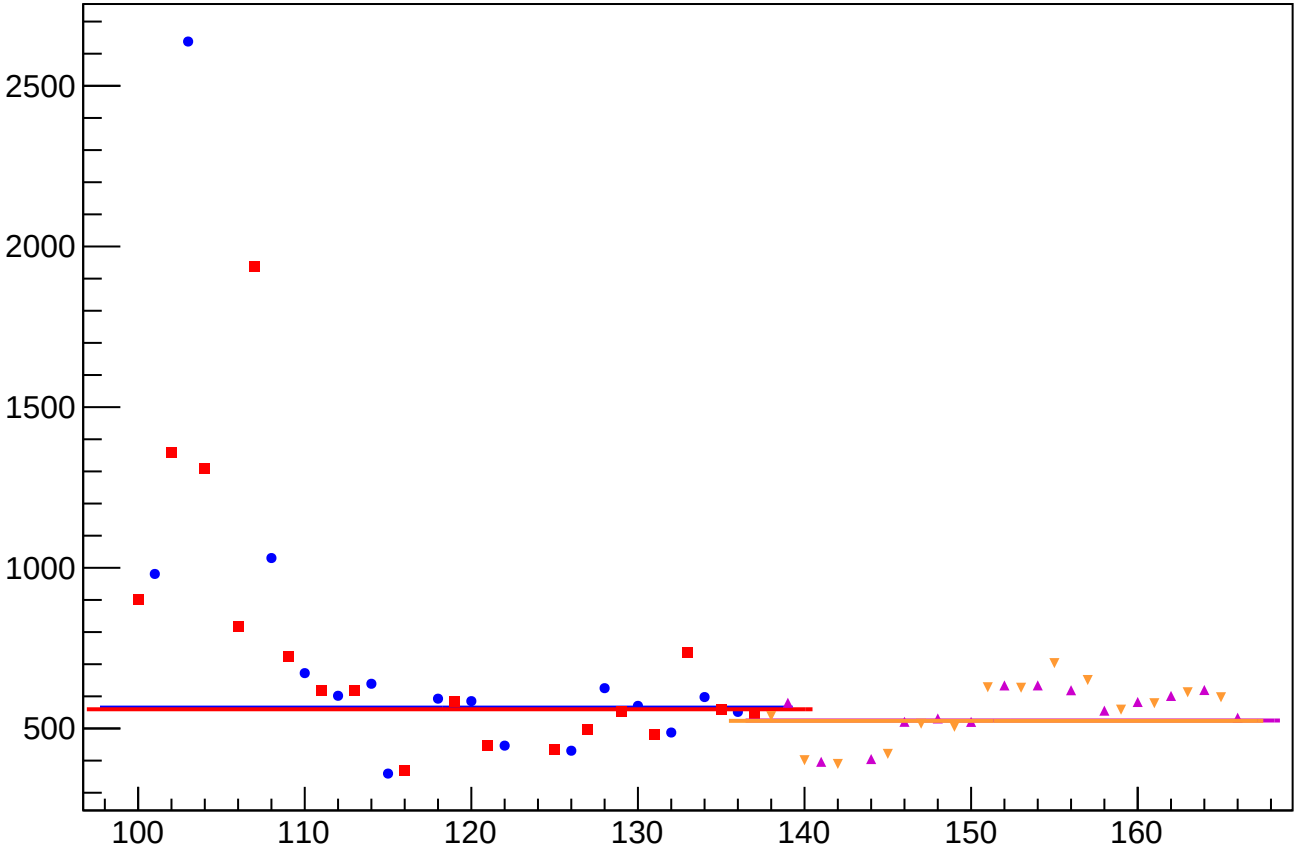
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 39.901+/-128.215 χ^2/NDF:34.7/29

Out: -333.654+/-130.658 χ^2/NDF:69.0/31

All: -143.352+/-91.513 χ^2/NDF: 107.8/61

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.796+/-0.111 χ^2/NDF:574124.7/13

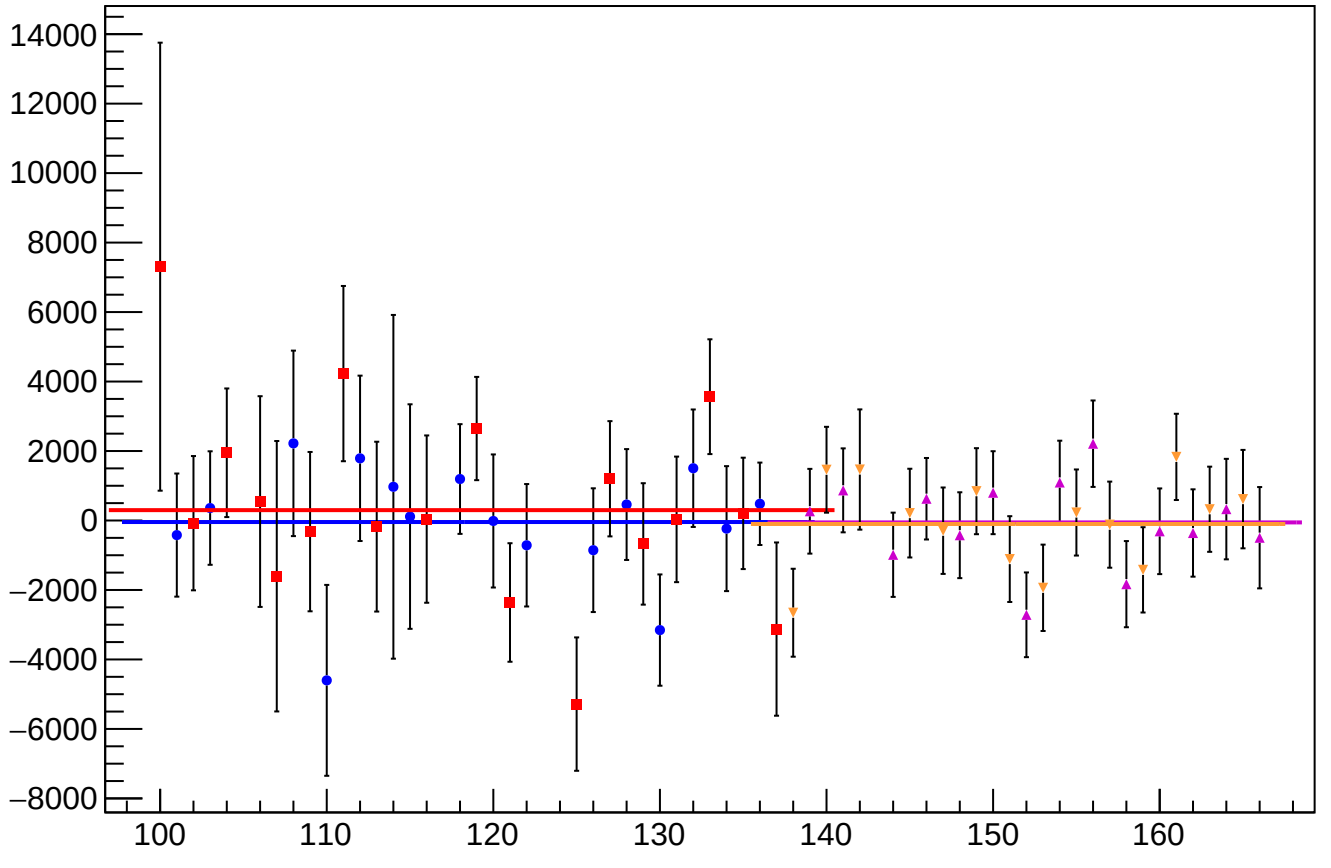
Left: 524.284+/-0.079 χ^2/NDF: 1268924.9/27

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.087+/-0.091 χ^2/NDF:1902025.7/29

Out: 536.047+/-0.092 χ^2/NDF:2058288.3/31

All: 537.086+/-0.065 χ^2/NDF: 3960562.4/61



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -55.162+/-332.988 χ^2/NDF:13.5/13

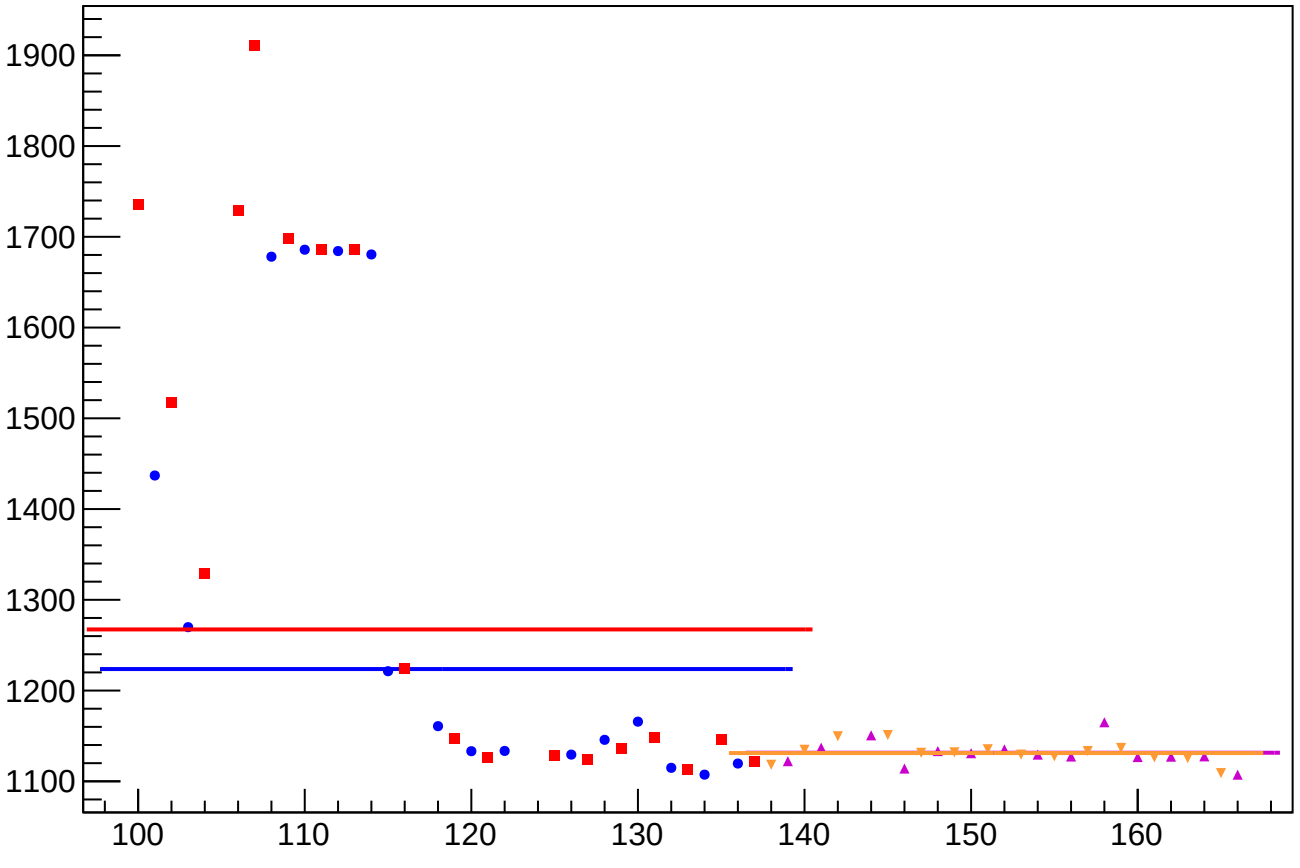
Left: -77.156+/-238.194 χ^2/NDF: 27.5/27

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -51.289+/-269.576 χ^2/NDF:23.6/29

Out: 35.105+/-276.999 χ^2/NDF:39.1/31

All: -9.265+/-193.190 χ^2/NDF: 62.8/61



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.492+/-0.235 χ^2/NDF:3236.5/13

Left: 1131.324+/-0.168 χ^2/NDF: 4825.9/27

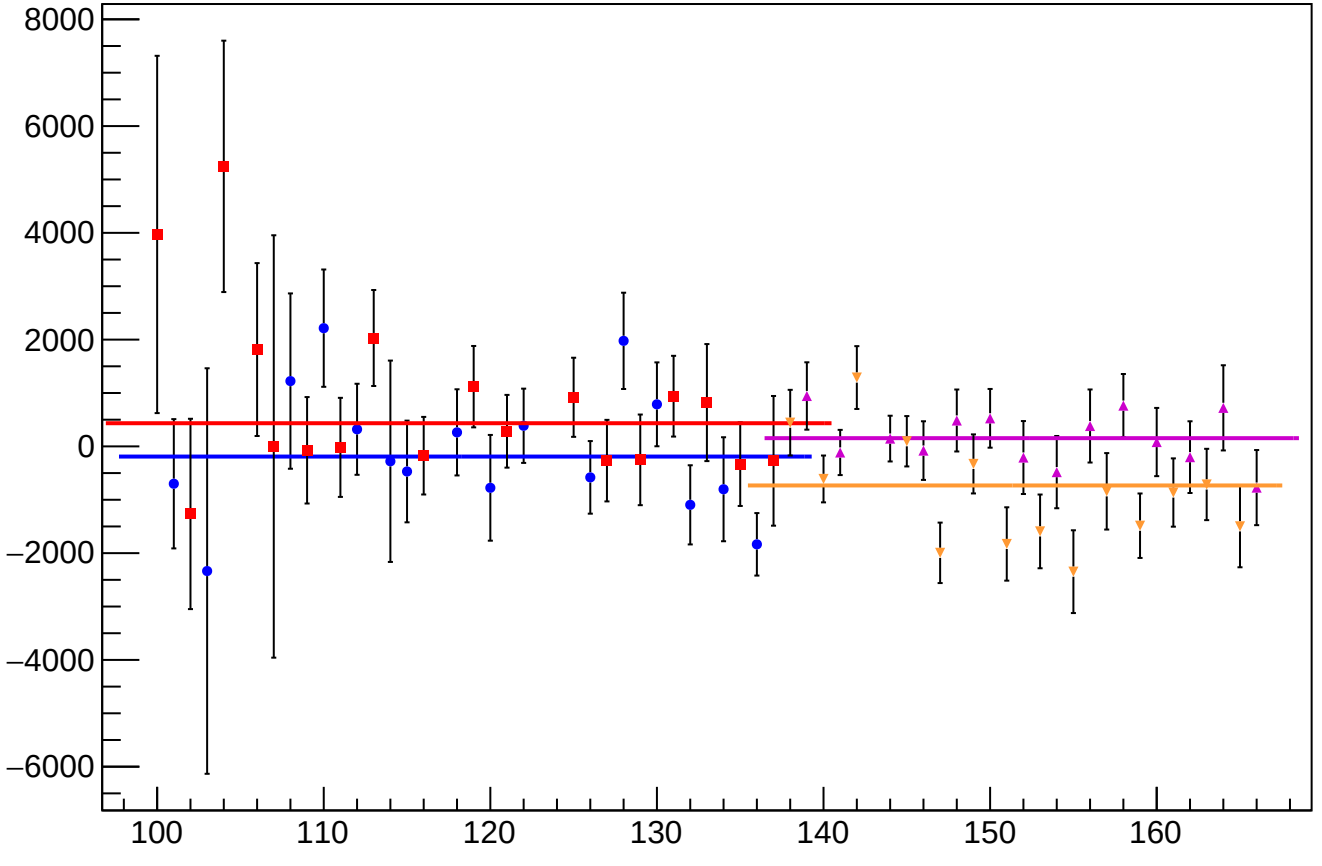
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1163.269+/-0.191 χ^2/NDF:351056.5/29

Out: 1177.409+/-0.196 χ^2/NDF:550041.2/31

All: 1170.147+/-0.137 χ^2/NDF: 903774.5/61

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -731.900+/-161.026 χ^2/NDF:35.2/13

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 153.950+/-156.753 χ^2/NDF:7.8/13

Left: -277.064+/-112.321 χ^2/NDF: 58.5/27

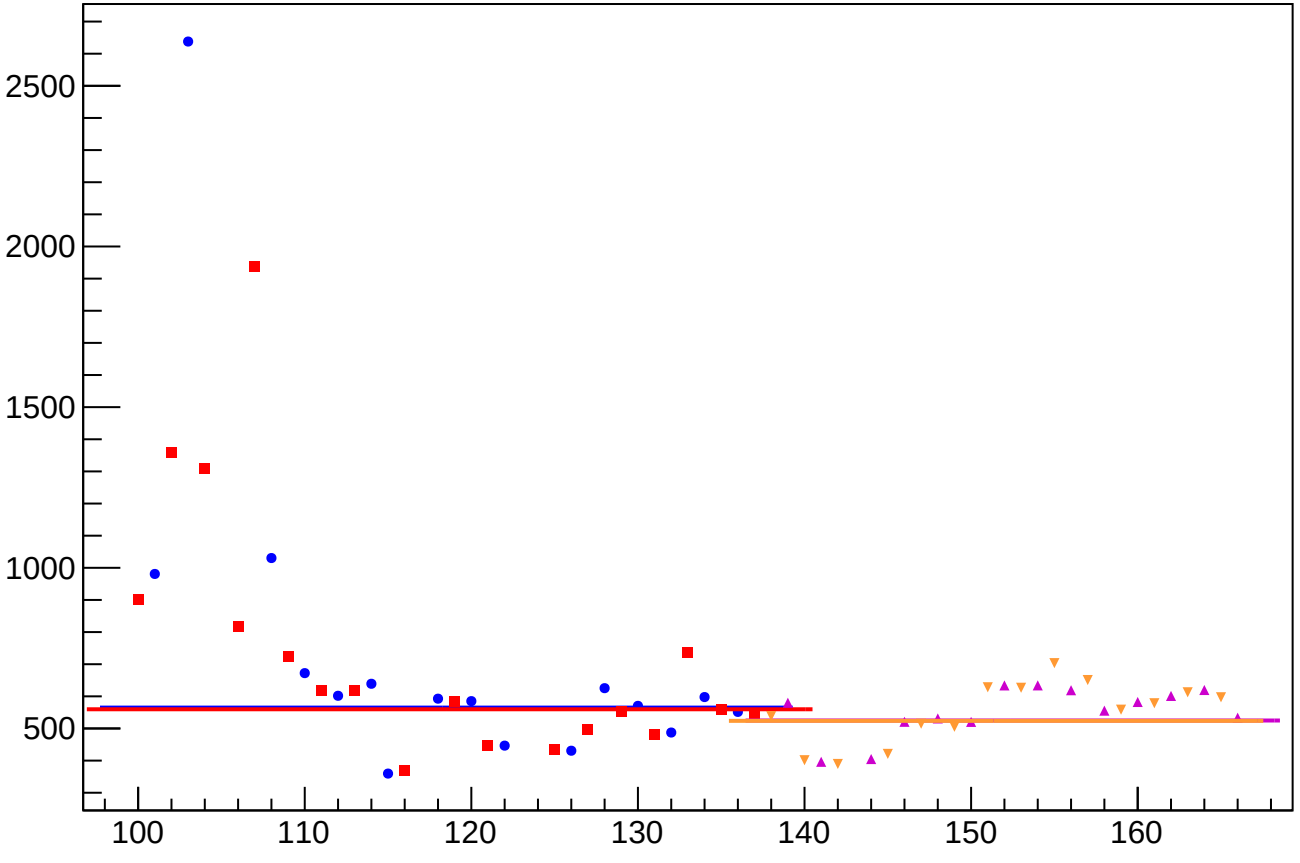
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 39.901+/-128.215 χ^2/NDF:34.7/29

Out: -333.654+/-130.658 χ^2/NDF:69.0/31

All: -143.352+/-91.513 χ^2/NDF: 107.8/61

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.796+/-0.111 χ^2/NDF:574124.7/13

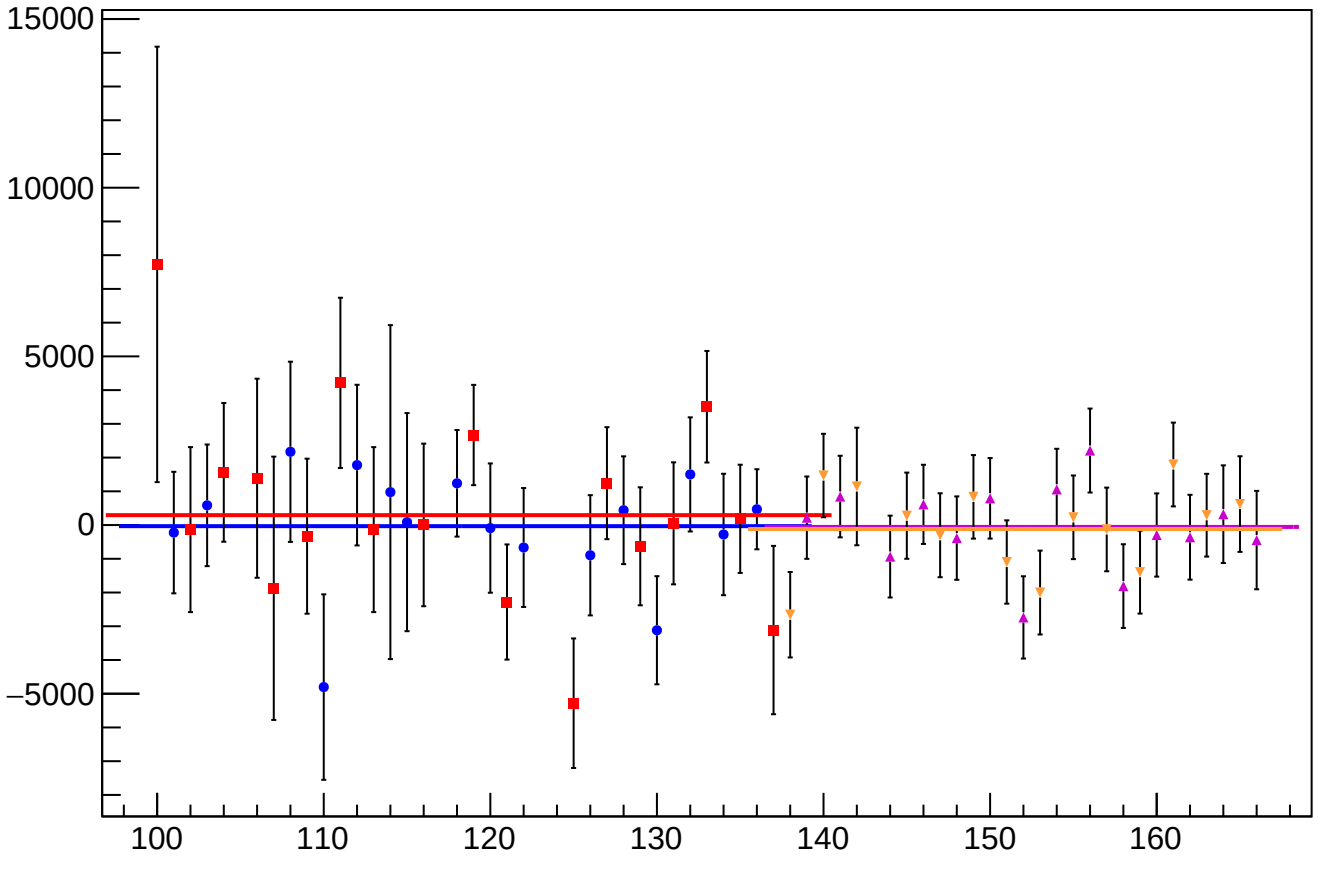
Left: 524.284+/-0.079 χ^2/NDF: 1268924.9/27

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.087+/-0.091 χ^2/NDF:1902025.7/29

Out: 536.047+/-0.092 χ^2/NDF:2058288.3/31

All: 537.086+/-0.065 χ^2/NDF: 3960562.4/61



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.119+/-341.090 χ^2/NDF:13.7/13

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.411+/-333.121 χ^2/NDF:13.3/13

Left: -85.536+/-238.320 χ^2/NDF: 27.0/27

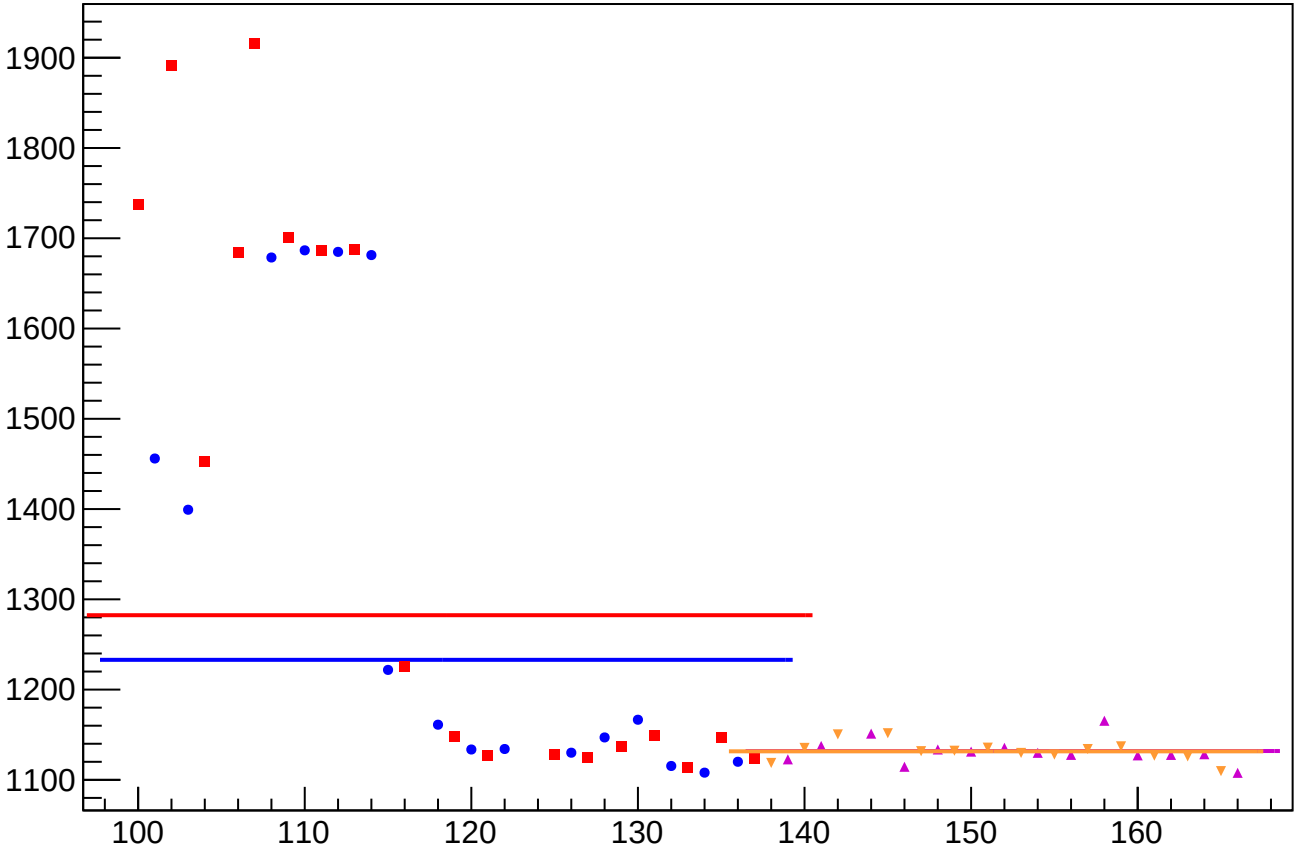
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -47.793+/-270.448 χ^2/NDF:23.5/29

Out: 19.163+/-278.780 χ^2/NDF:38.5/31

All: -15.330+/-194.114 χ^2/NDF: 62.0/61

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.944+/-0.236 χ^2/NDF:3228.6/13

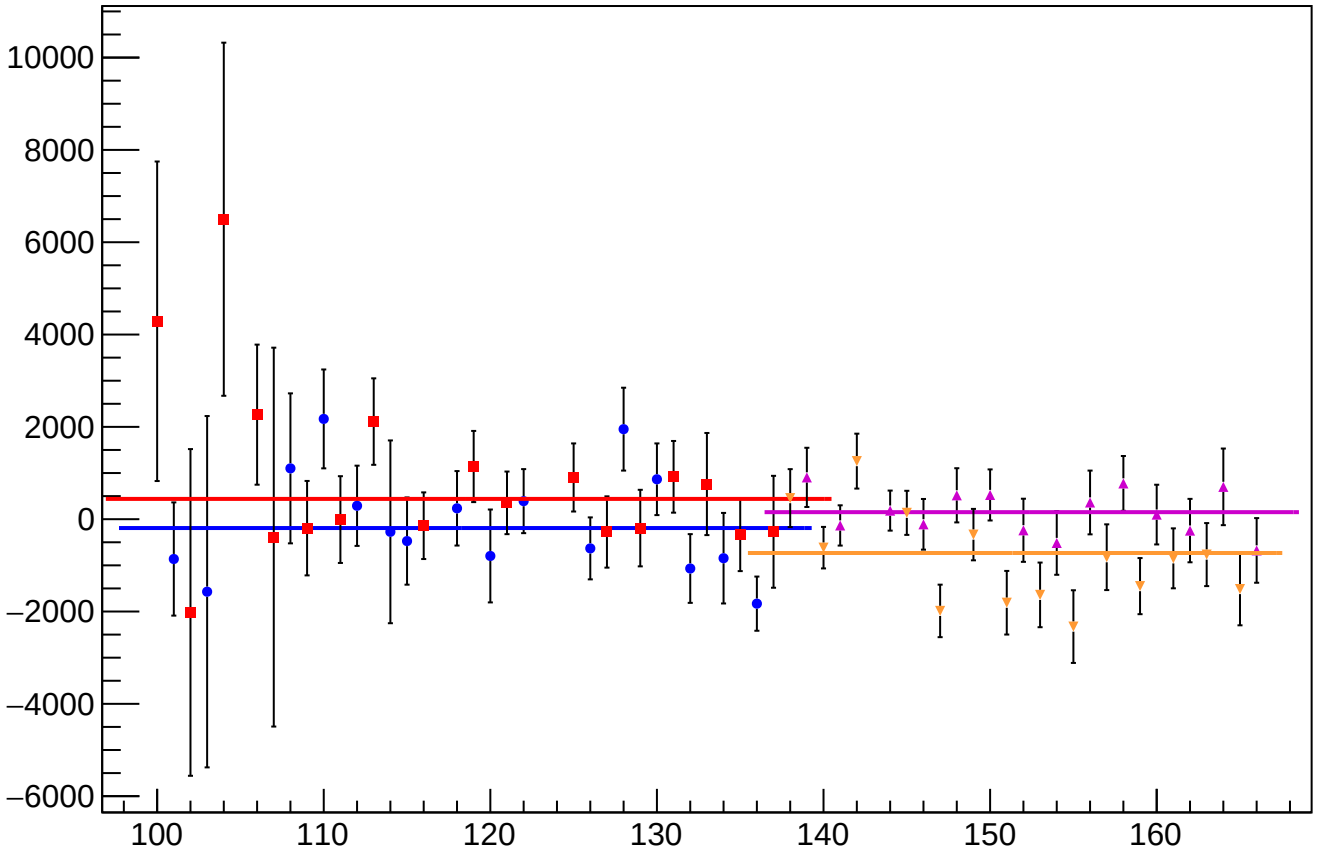
Left: 1131.783+/-0.169 χ^2/NDF: 4822.1/27

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1166.380+/-0.191 χ^2/NDF:381397.2/29

Out: 1181.676+/-0.197 χ^2/NDF:674766.0/31

All: 1173.796+/-0.137 χ^2/NDF: 1059265.0/61



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -732.139+/-163.116 χ^2/NDF:34.2/13

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 152.506+/-158.787 χ^2/NDF:7.5/13

Left: -277.922+/-113.779 χ^2/NDF: 56.8/27

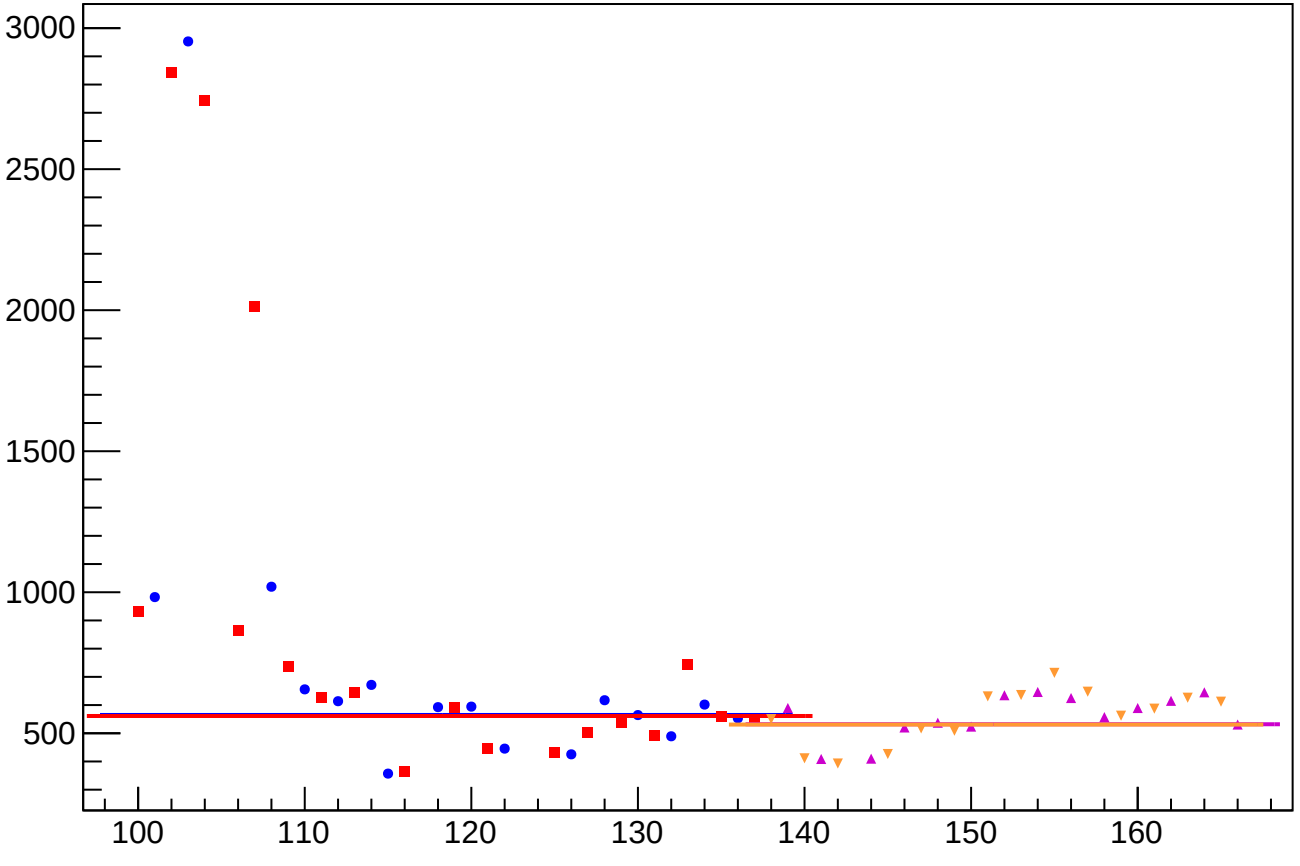
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 36.598+/-129.301 χ^2/NDF:34.4/29

Out: -332.207+/-132.384 χ^2/NDF:66.5/31

All: -143.460+/-92.500 χ^2/NDF: 104.8/61

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 530.886+/-0.115 χ^2/NDF:680547.1/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 531.988+/-0.112 χ^2/NDF:557508.3/13

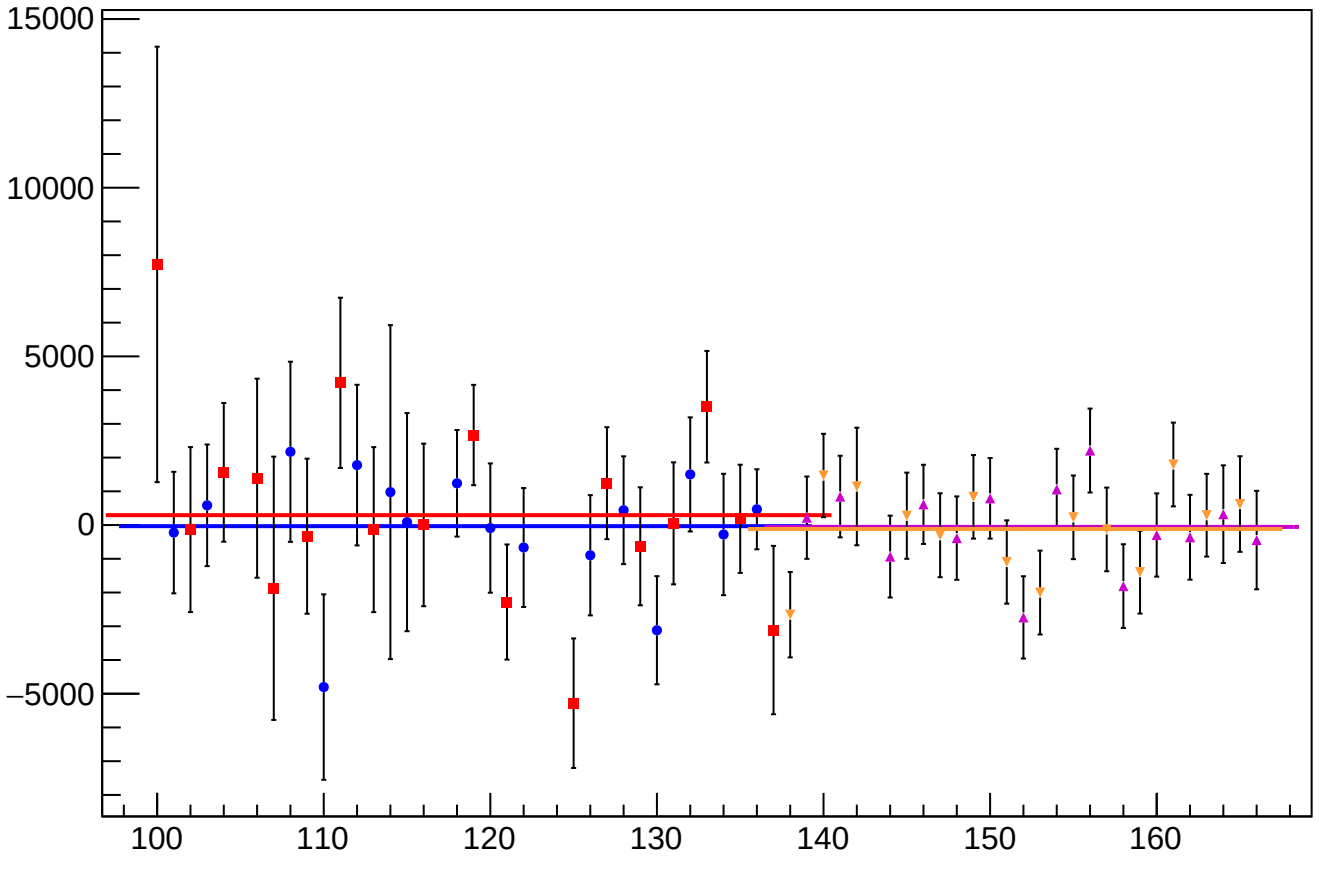
Left: 531.452+/-0.080 χ^2/NDF: 1238102.3/27

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 543.067+/-0.091 χ^2/NDF:2066780.6/29

Out: 541.257+/-0.094 χ^2/NDF:2977609.0/31

All: 542.183+/-0.065 χ^2/NDF: 5044580.8/61



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.122+/-341.090 χ^2/NDF:13.7/13

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.411+/-333.121 χ^2/NDF:13.3/13

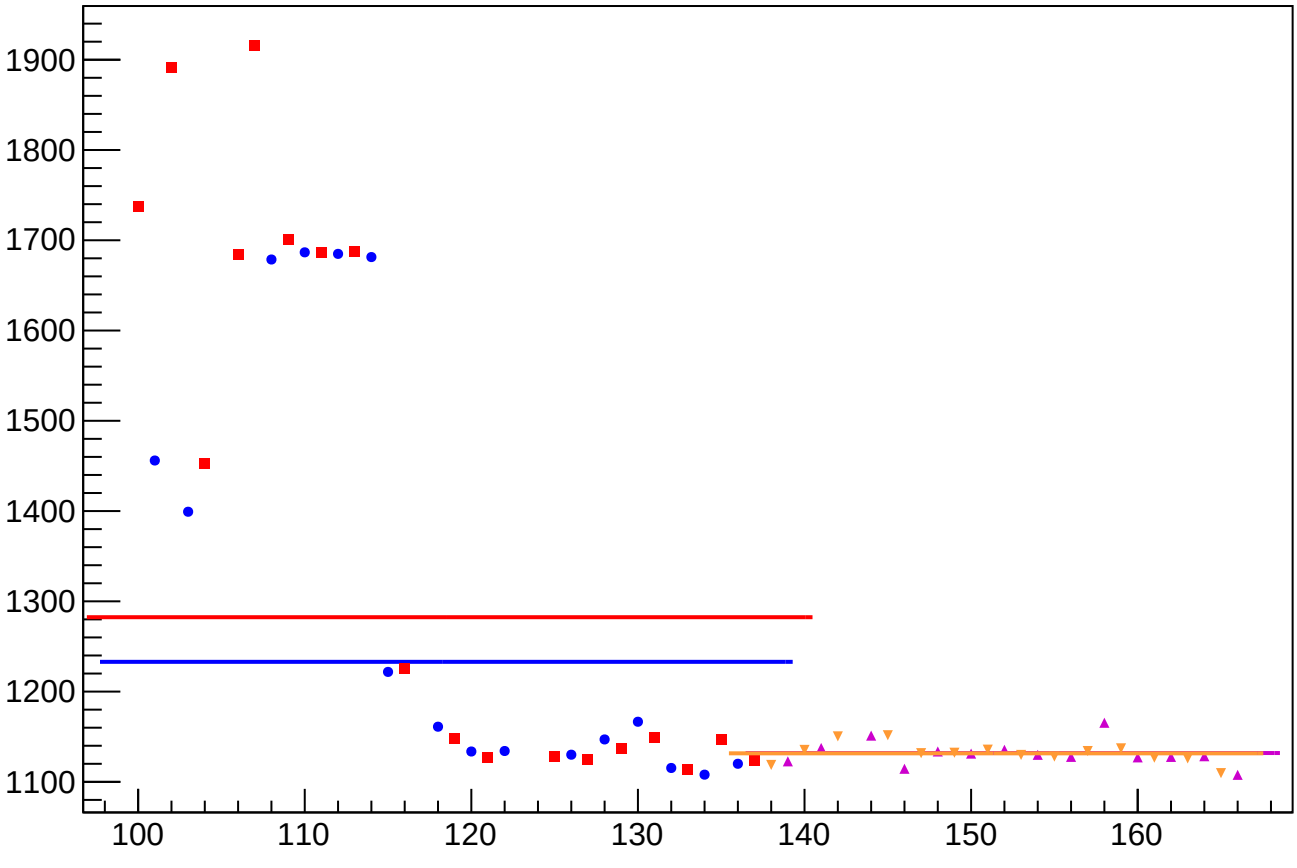
Left: -85.537+/-238.320 χ^2/NDF: 27.0/27

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -47.792+/-270.448 χ^2/NDF:23.5/29

Out: 19.162+/-278.780 χ^2/NDF:38.5/31

All: -15.331+/-194.114 χ^2/NDF: 62.0/61



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.944+/-0.236 χ^2/NDF:3228.6/13

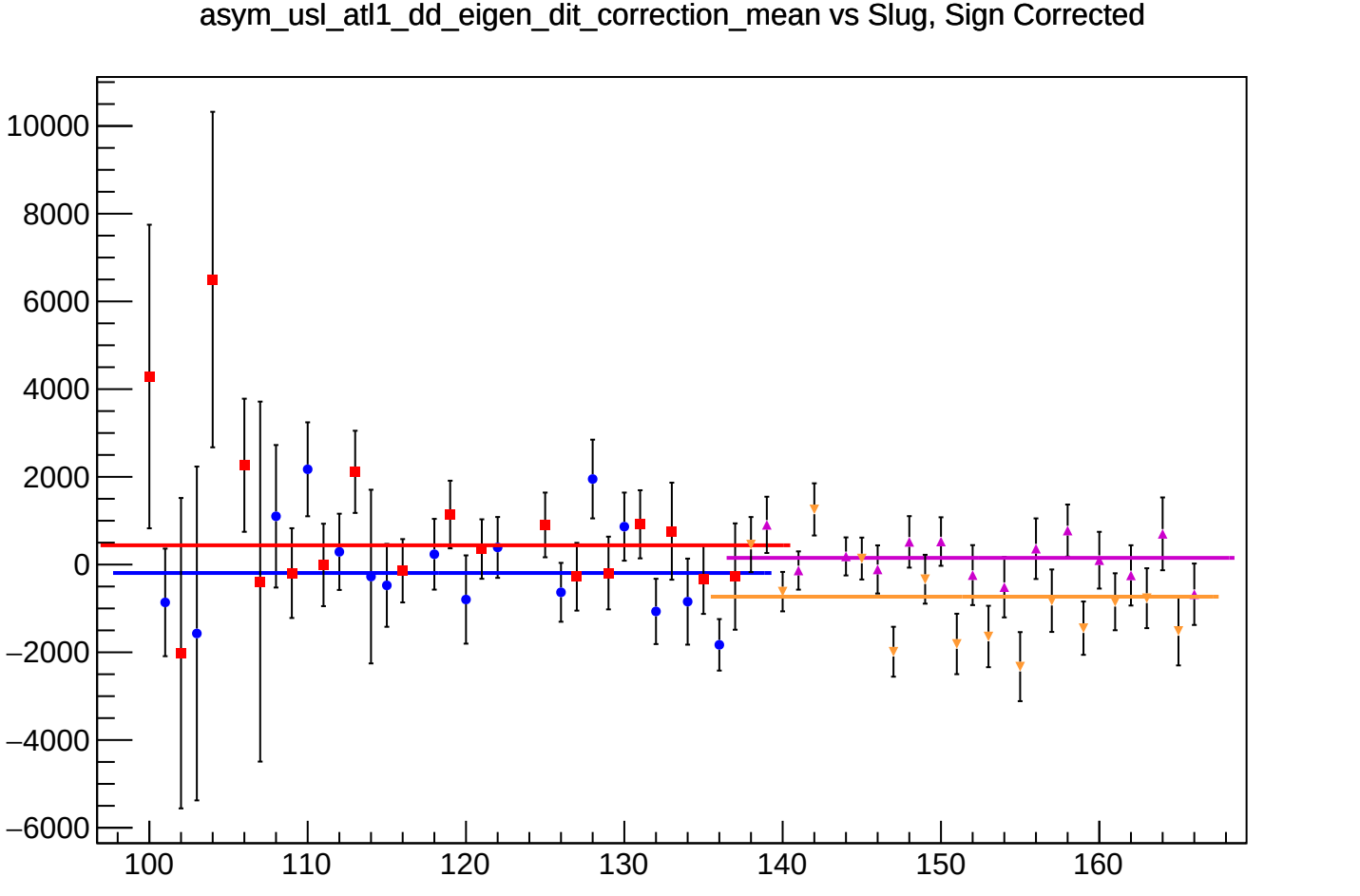
Left: 1131.783+/-0.169 χ^2/NDF: 4822.1/27

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1166.380+/-0.191 χ^2/NDF:381396.7/29

Out: 1181.676+/-0.197 χ^2/NDF:674765.3/31

All: 1173.796+/-0.137 χ^2/NDF: 1059263.8/61



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -732.137+/-163.116 χ^2/NDF:34.2/13

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 152.507+/-158.787 χ^2/NDF:7.5/13

Left: -277.921+/-113.779 χ^2/NDF: 56.8/27

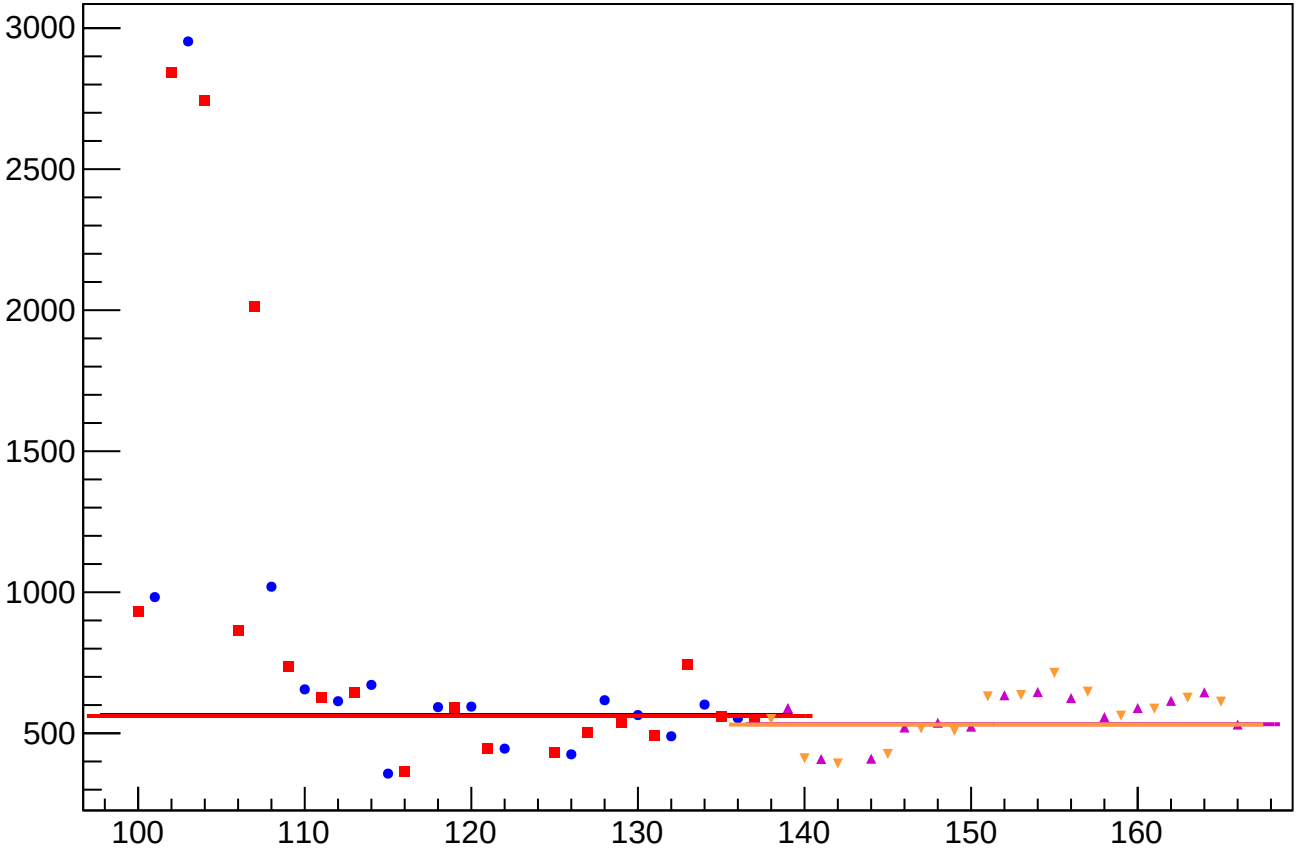
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 36.598+/-129.301 χ^2/NDF:34.4/29

Out: -332.206+/-132.384 χ^2/NDF:66.5/31

All: -143.459+/-92.500 χ^2/NDF: 104.8/61

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 530.885+/-0.115 χ^2/NDF:680565.7/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 531.987+/-0.112 χ^2/NDF:557520.3/13

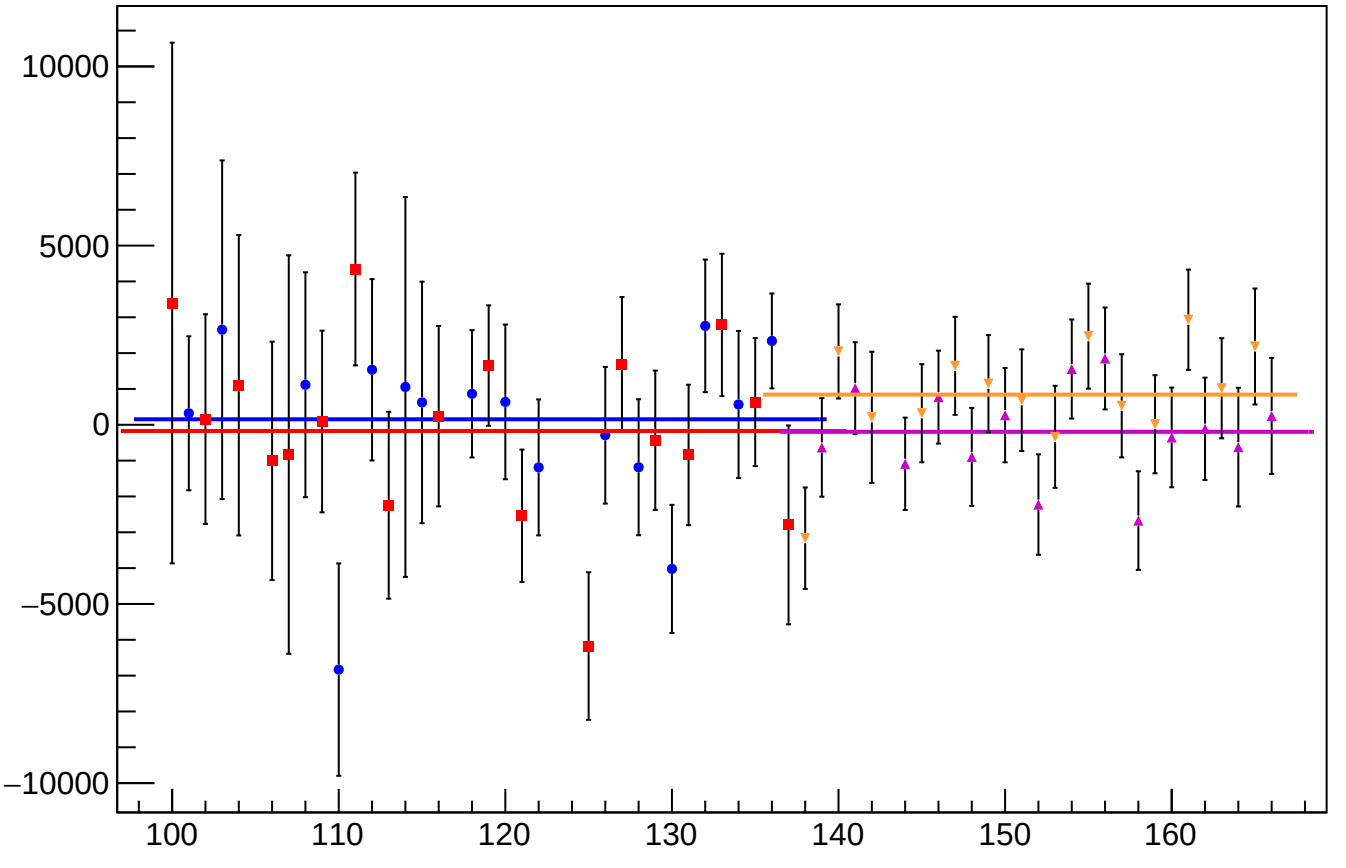
Left: 531.451+/-0.080 χ^2/NDF: 1238132.9/27

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 543.066+/-0.091 χ^2/NDF:2066790.9/29

Out: 541.257+/-0.094 χ^2/NDF:2977629.5/31

All: 542.183+/-0.065 χ^2/NDF: 5044611.6/61



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 842.457+/-381.648 χ^2/NDF:14.8/13

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -196.127+/-371.225 χ^2/NDF:11.6/13

Left: 308.790+/-266.104 χ^2/NDF: 30.2/27

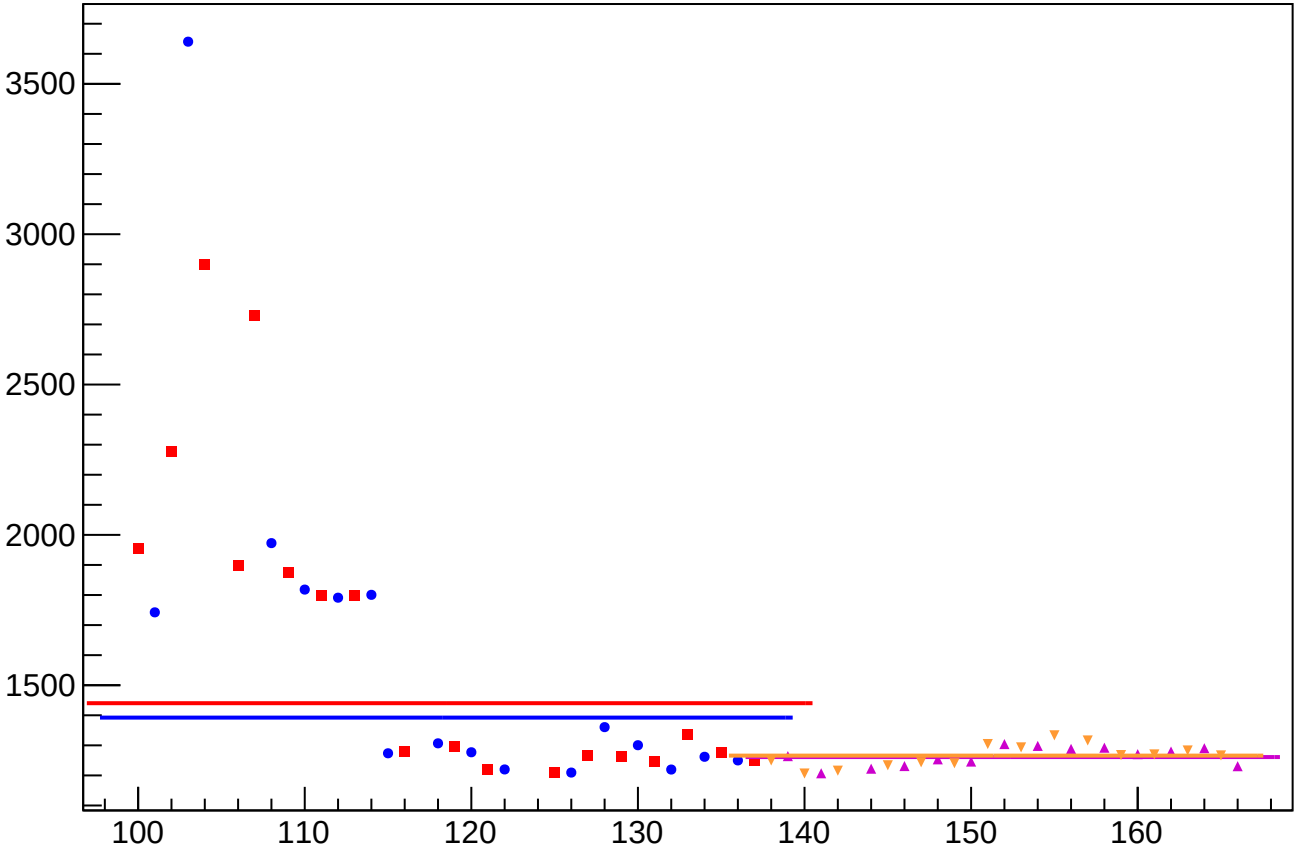
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -81.705+/-304.453 χ^2/NDF:29.7/29

Out: 512.119+/-313.581 χ^2/NDF:36.8/31

All: 206.438+/-218.437 χ^2/NDF: 68.3/61

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.871+/-0.270 χ^2/NDF:17424.5/13

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1261.049+/-0.262 χ^2/NDF:13587.5/13

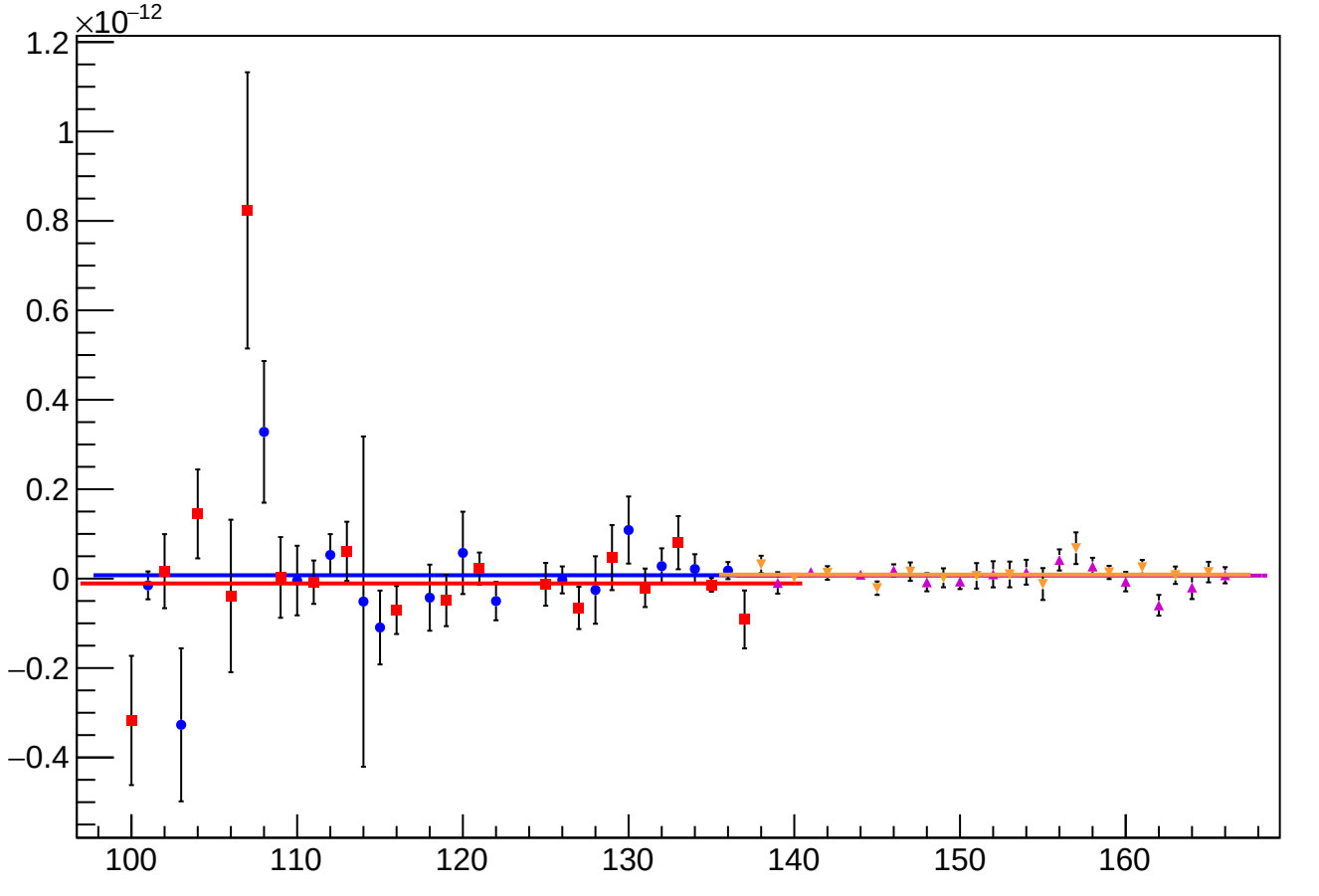
Left: 1263.394+/-0.188 χ^2/NDF: 31176.0/27

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1304.019+/-0.215 χ^2/NDF:874676.5/29

Out: 1322.516+/-0.222 χ^2/NDF:1007919.3/31

All: 1312.994+/-0.154 χ^2/NDF: 1886177.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:16.1/13

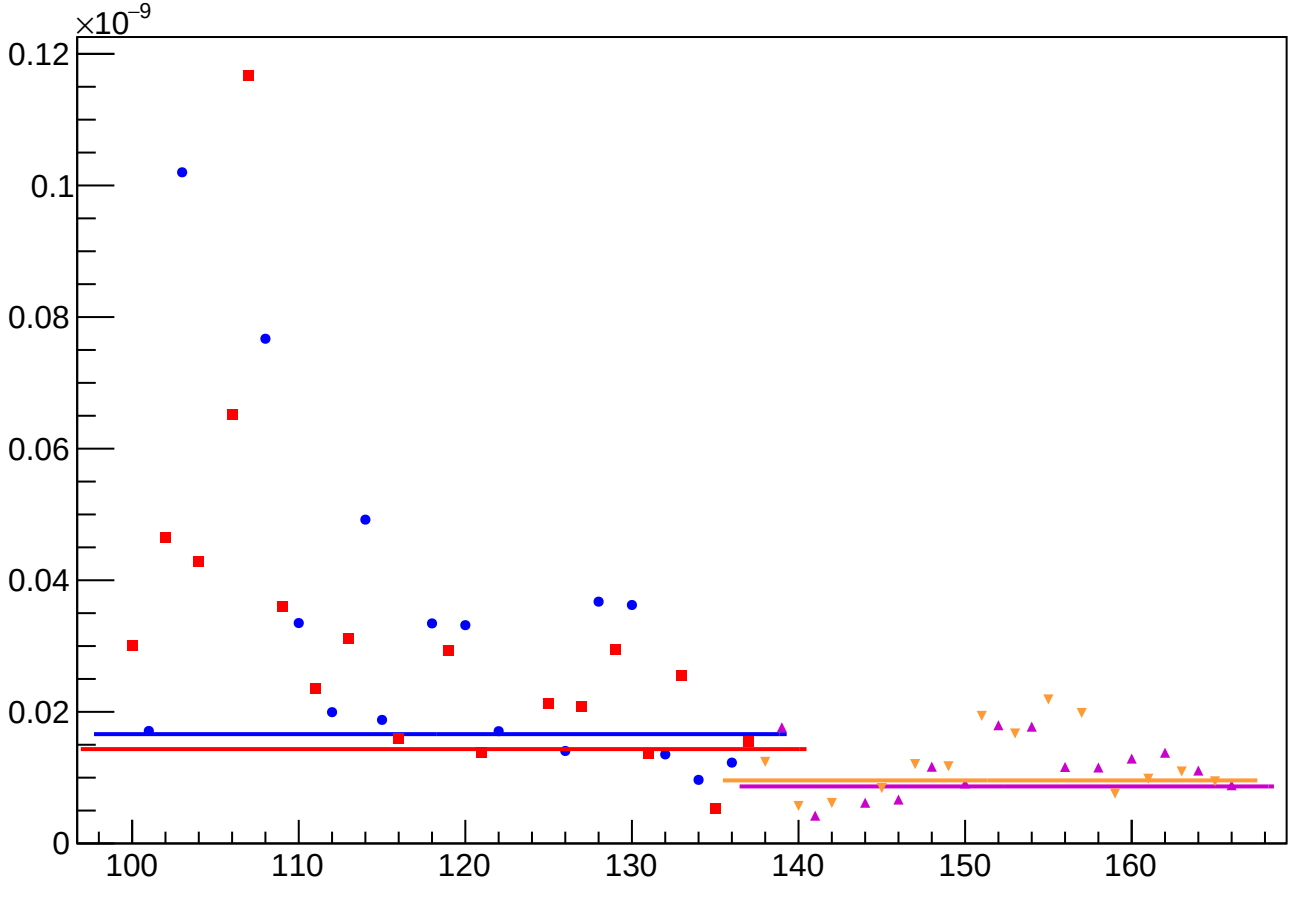
Left: 0.000+/-0.000 χ^2/NDF: 26.6/27

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:33.0/29

Out: 0.000+/-0.000 χ^2/NDF:37.3/31

All: 0.000+/-0.000 χ^2/NDF: 70.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262745.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1608334.4/13

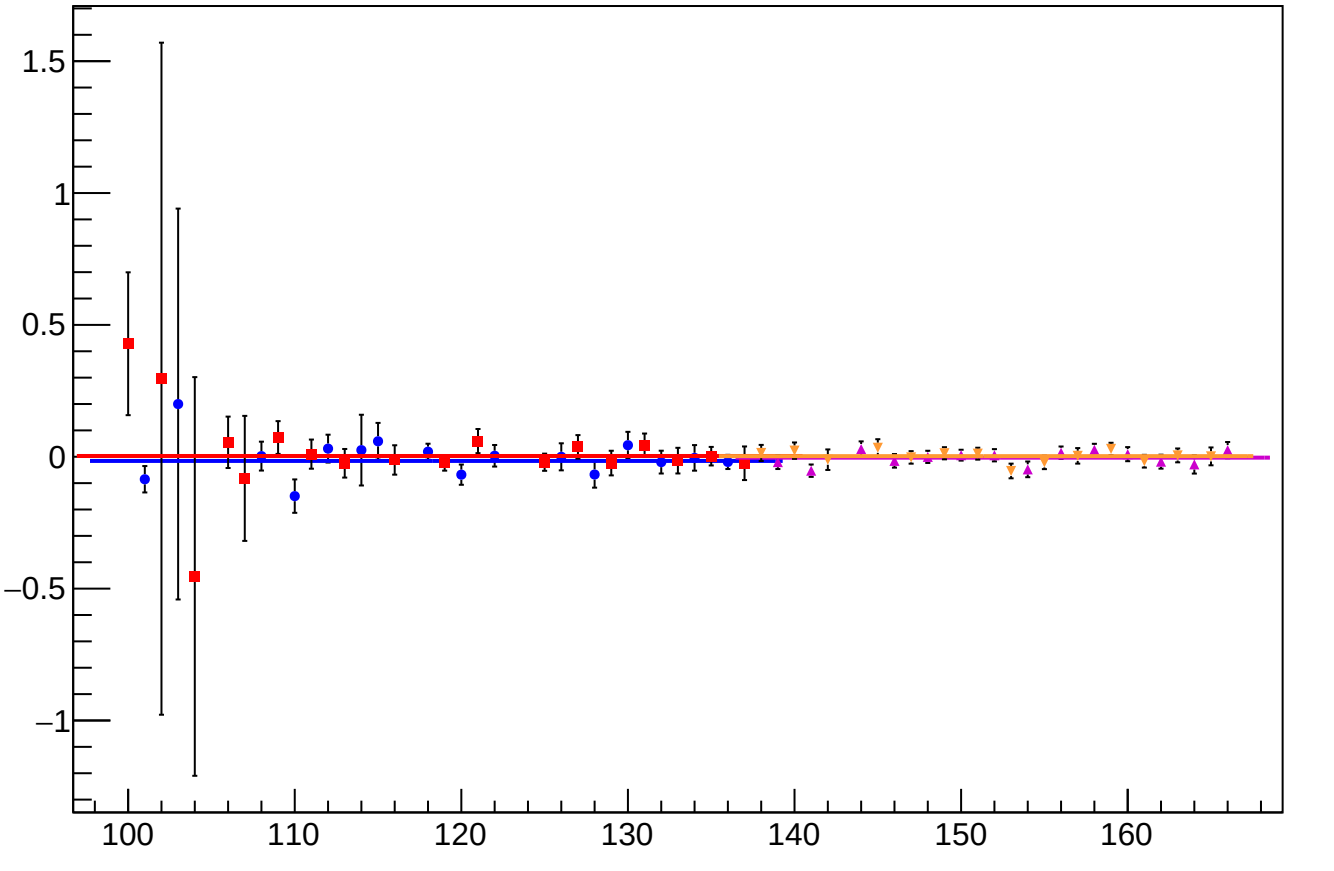
Left: 0.000+/-0.000 χ^2/NDF: 2908337.5/27

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4092191.8/29

Out: 0.000+/-0.000 χ^2/NDF:3851348.4/31

All: 0.000+/-0.000 χ^2/NDF: 7961757.3/61



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

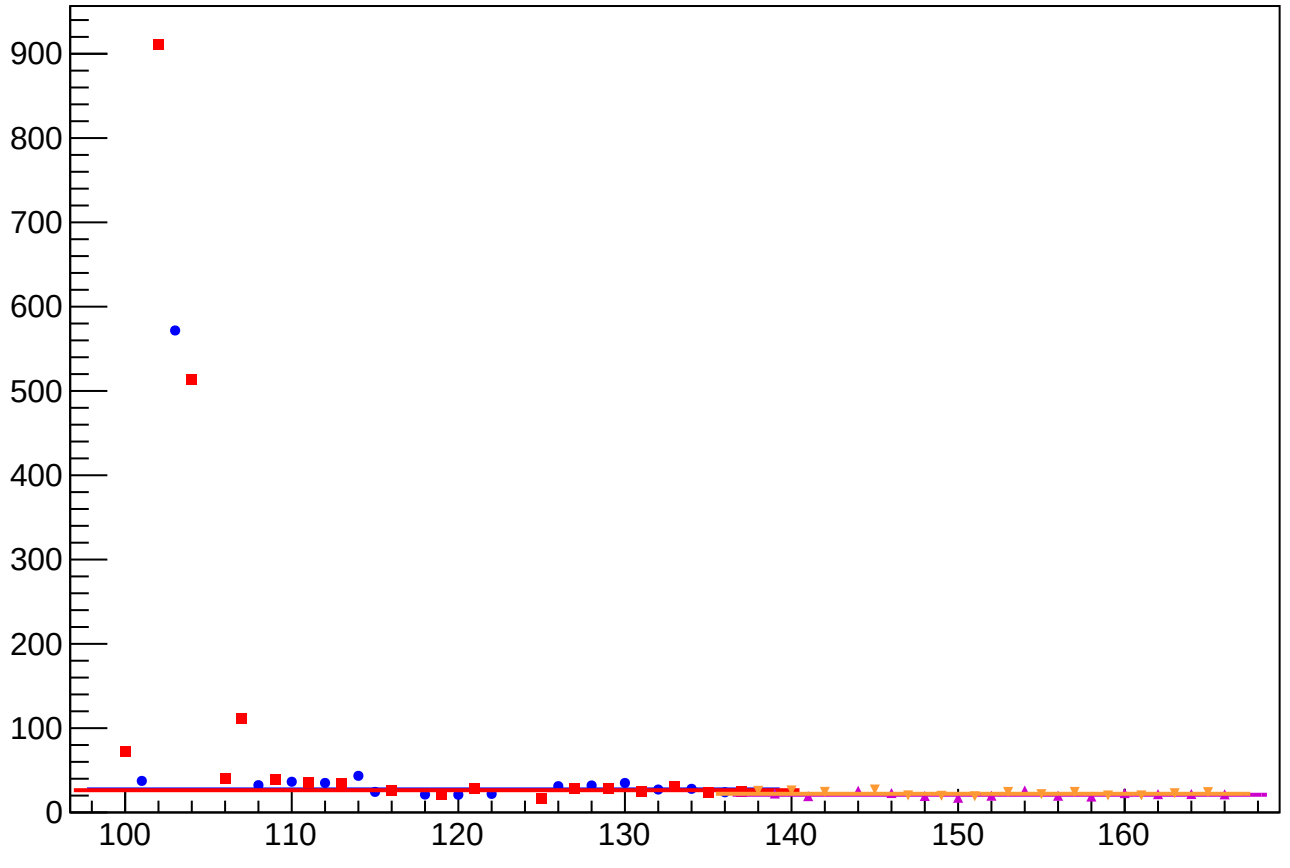
Left: -0.001+/-0.005 χ^2/NDF: 22.7/27

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.002+/-0.004 χ^2/NDF: 48.8/61



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.140+/-0.005 χ^2/NDF:241806.4/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250884.5/13

Left: 21.527+/-0.004 χ^2/NDF: 519854.2/27

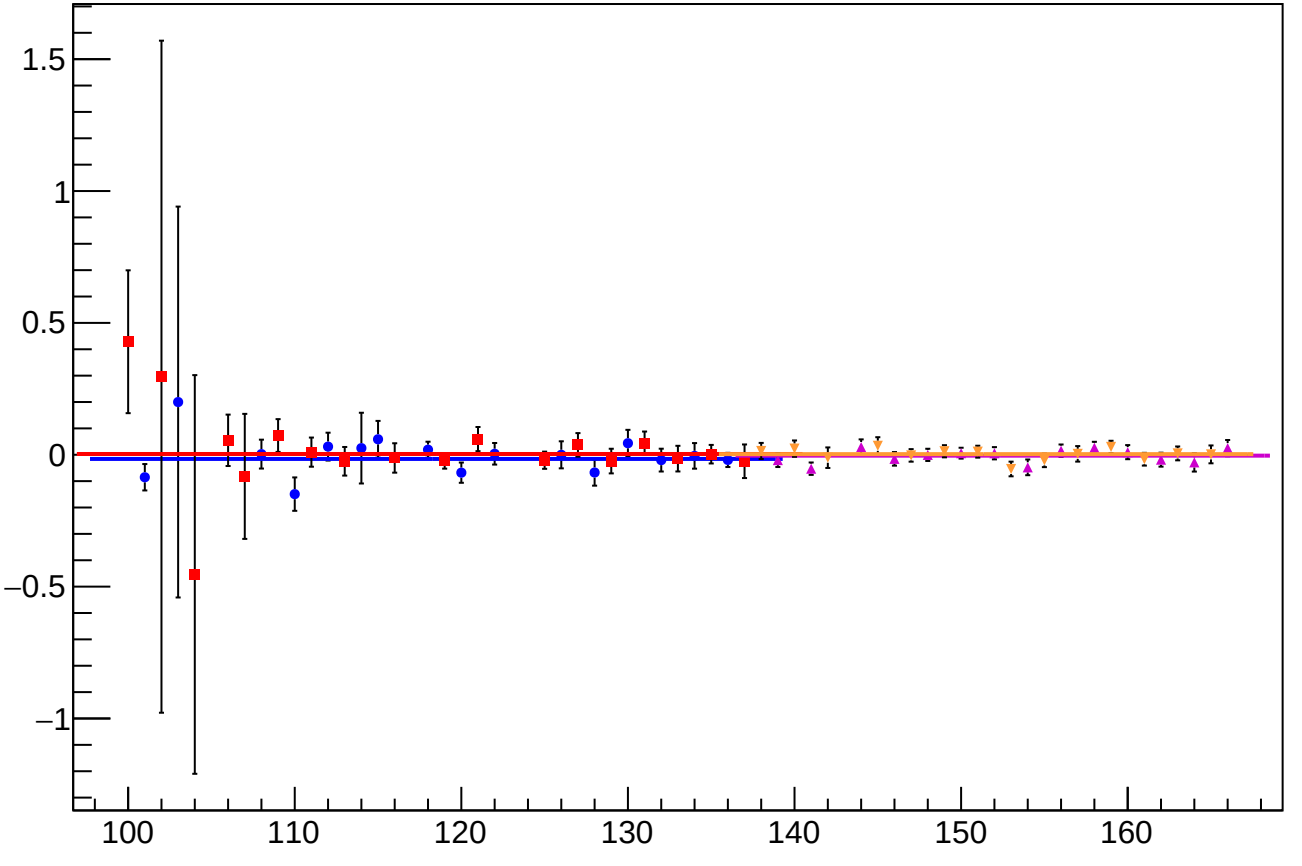
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.609+/-0.004 χ^2/NDF:2263530.1/29

Out: 23.271+/-0.004 χ^2/NDF:3040953.8/31

All: 22.922+/-0.003 χ^2/NDF: 5316538.0/61

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.001+/-0.005 χ^2/NDF: 22.7/27

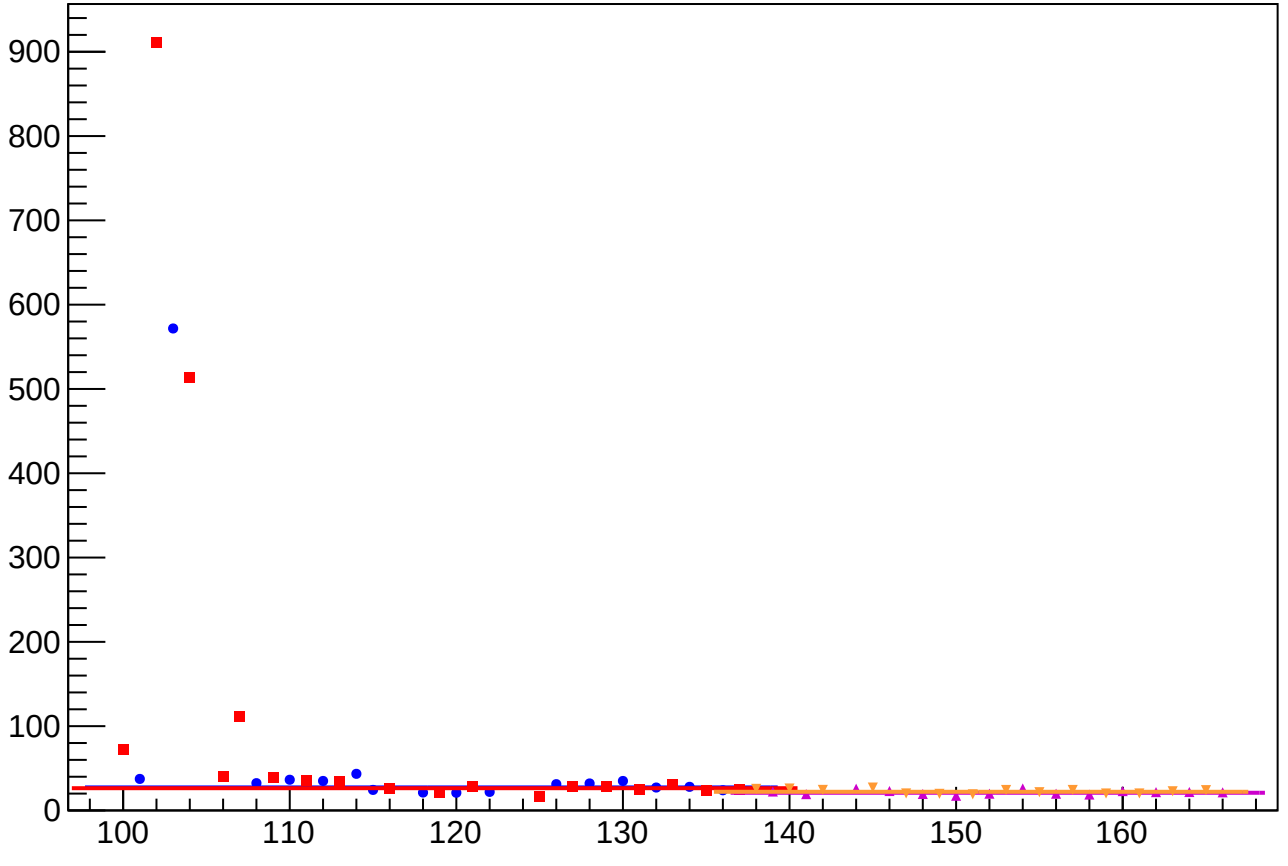
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.002+/-0.004 χ^2/NDF: 48.8/61

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.140+/-0.005 χ^2/NDF:241806.4/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250884.5/13

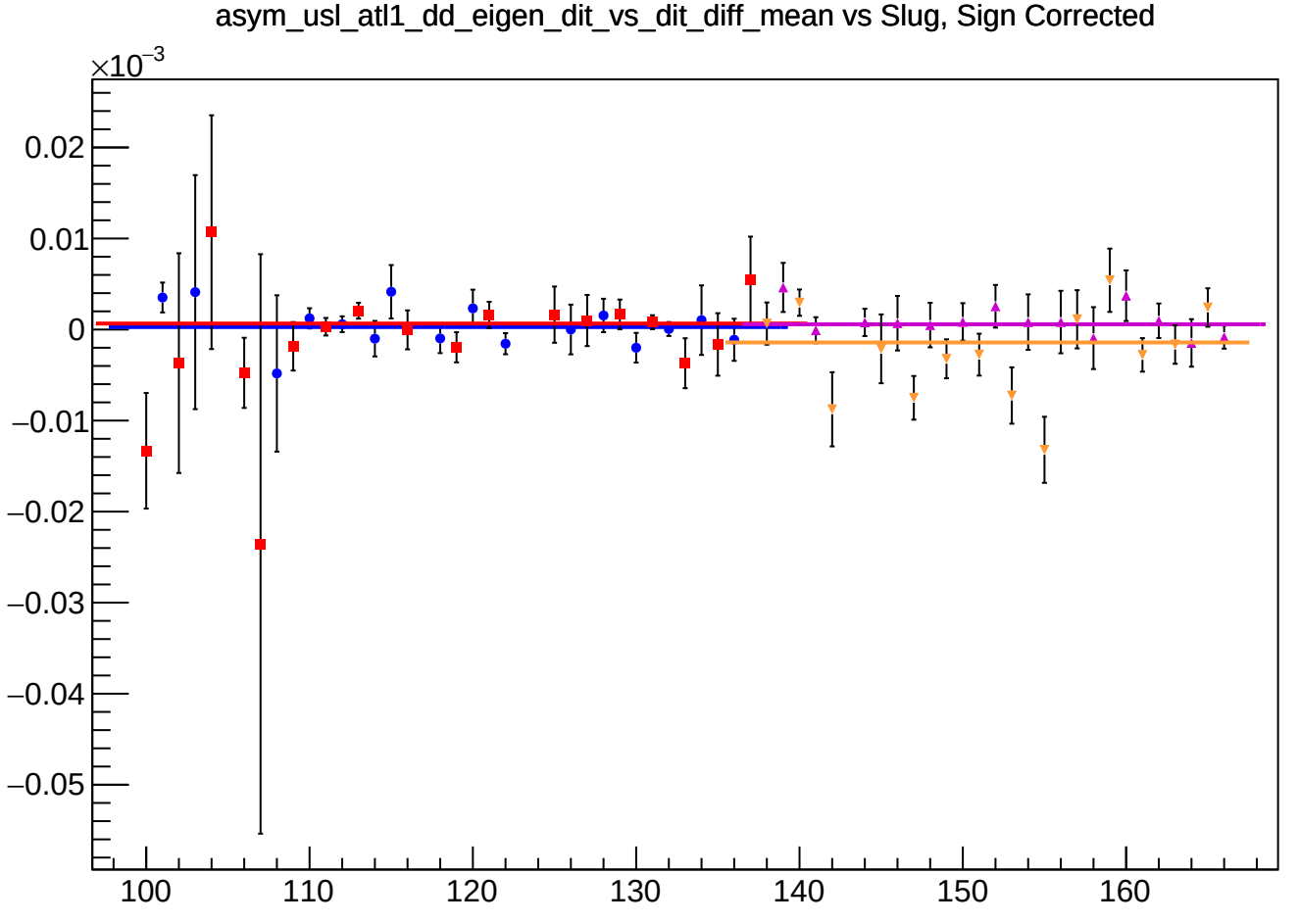
Left: 21.527+/-0.004 χ^2/NDF: 519854.2/27

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

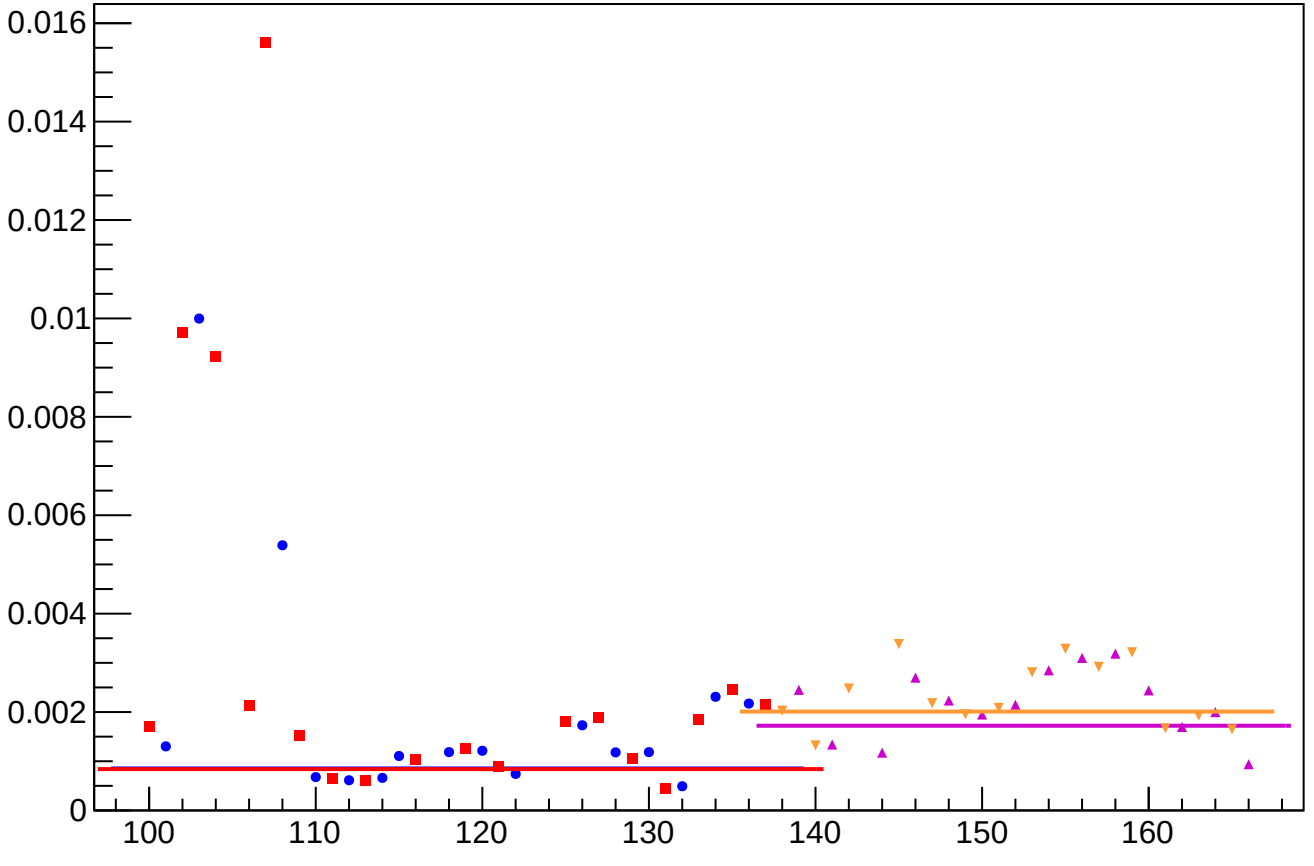
In: 22.609+/-0.004 χ^2/NDF:2263530.1/29

Out: 23.271+/-0.004 χ^2/NDF:3040953.8/31

All: 22.922+/-0.003 χ^2/NDF: 5316538.0/61


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:43.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: 0.000+/-0.000 χ²/NDF:6.6/13
Left: -0.000+/-0.000 χ²/NDF: 55.3/27
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: 0.000+/-0.000 χ²/NDF:21.2/29
Out: 0.000+/-0.000 χ²/NDF:70.1/31
All: 0.000+/-0.000 χ²/NDF: 91.8/61

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:1668952.3/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2833641.1/13

Left: 0.002+/-0.000 χ^2/NDF: 4734846.5/27

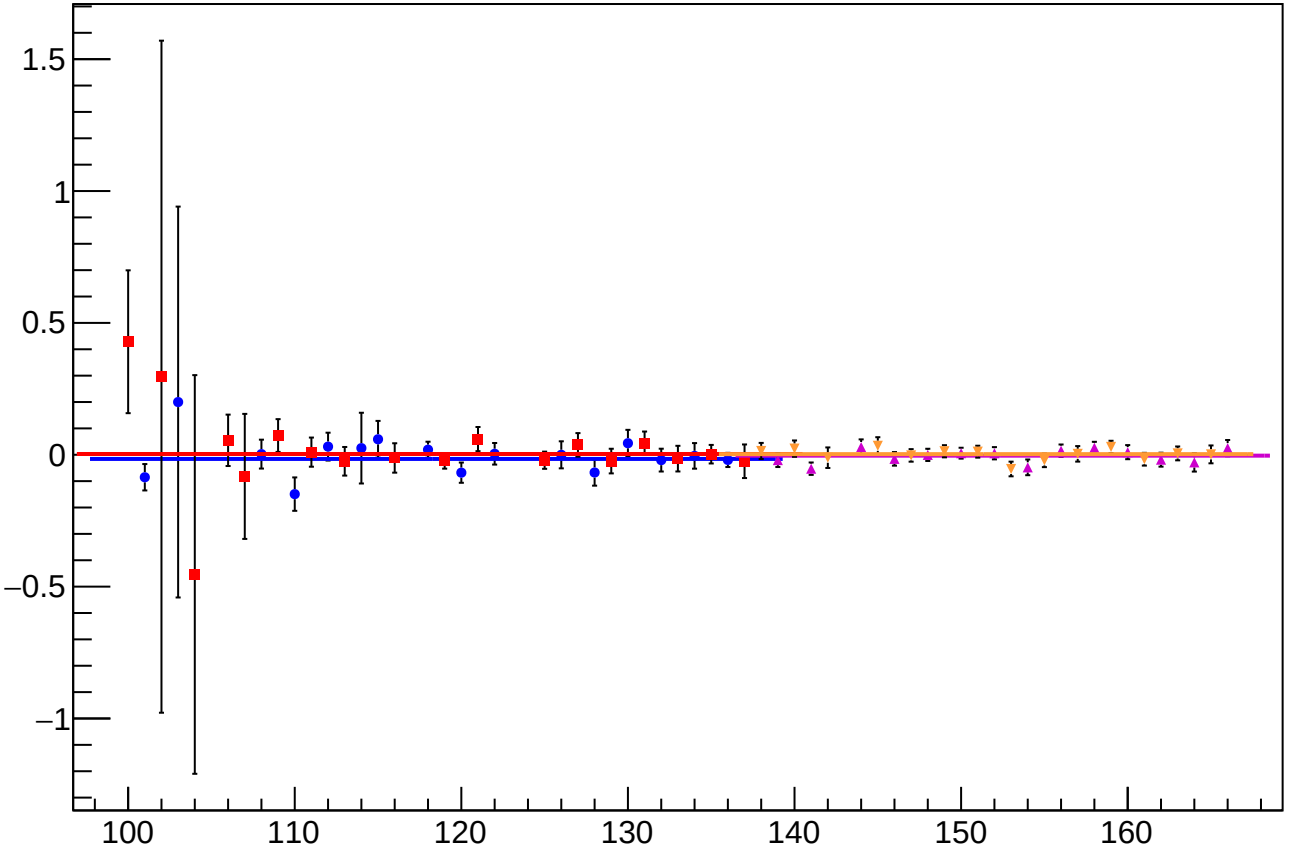
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10040123.2/29

Out: 0.001+/-0.000 χ^2/NDF:11569120.1/31

All: 0.001+/-0.000 χ^2/NDF: 21629135.6/61

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.001+/-0.005 χ^2/NDF: 22.7/27

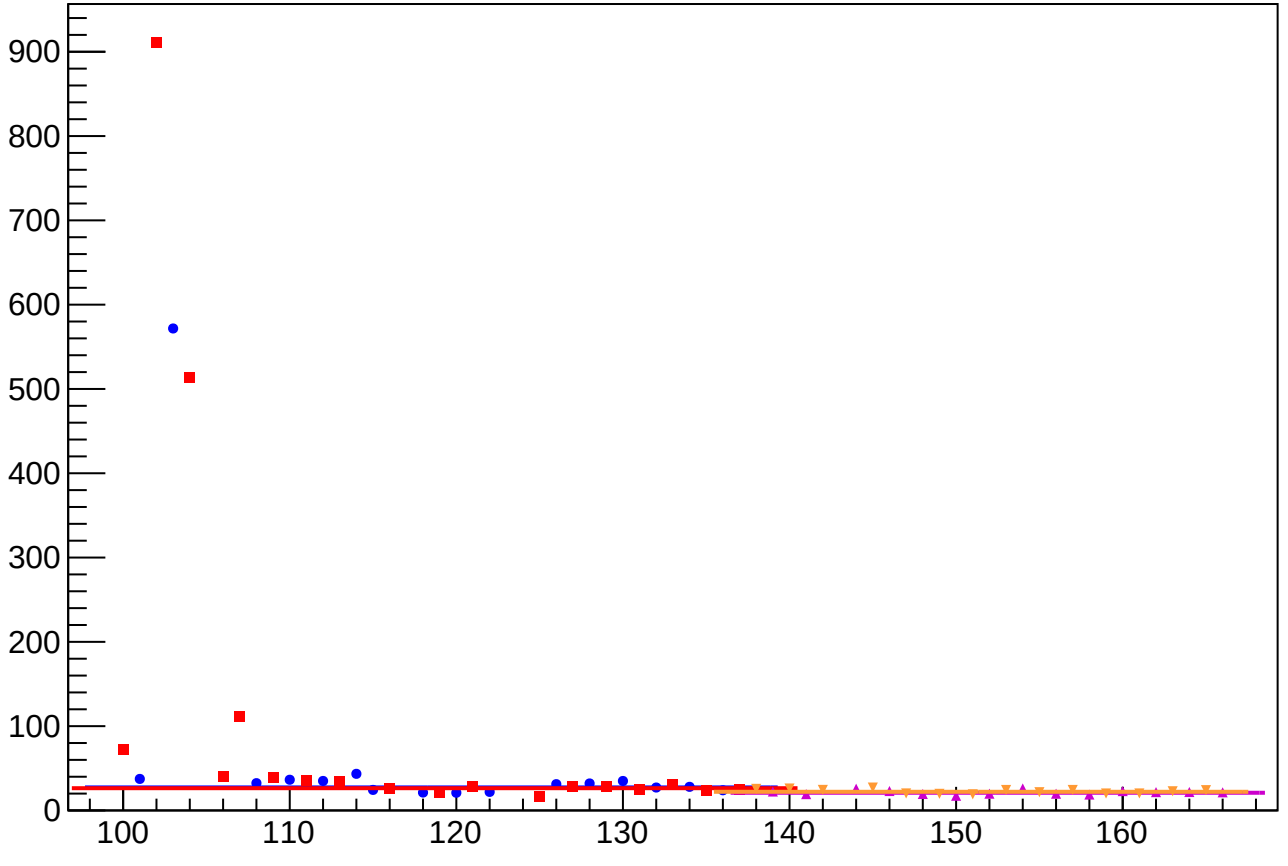
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.002+/-0.004 χ^2/NDF: 48.8/61

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.140+/-0.005 χ^2/NDF:241776.3/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250902.4/13

Left: 21.527+/-0.004 χ^2/NDF: 519839.6/27

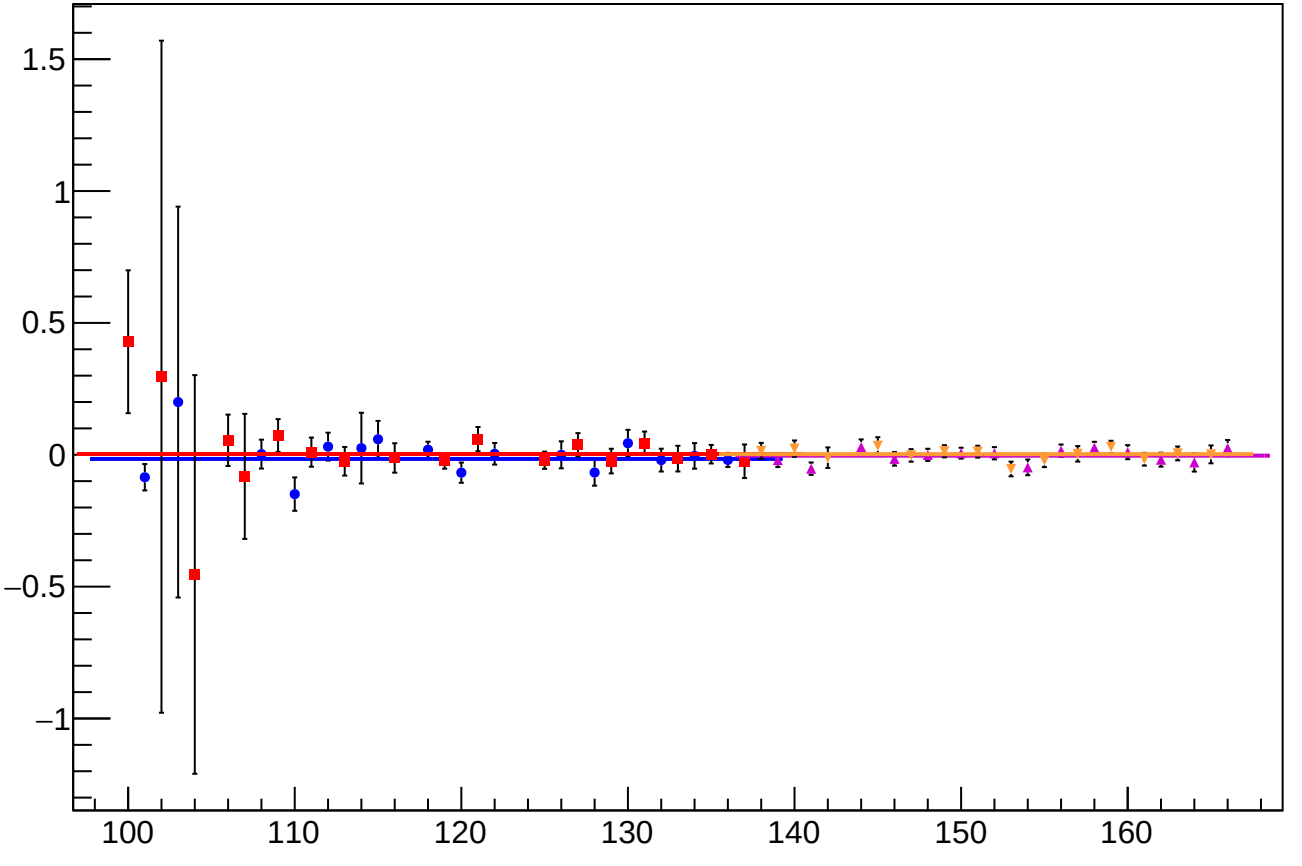
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.609+/-0.004 χ^2/NDF:2263542.8/29

Out: 23.271+/-0.004 χ^2/NDF:3040946.4/31

All: 22.922+/-0.003 χ^2/NDF: 5316542.0/61

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:13.3/13

Left: -0.001+/-0.005 χ^2/NDF: 22.7/27

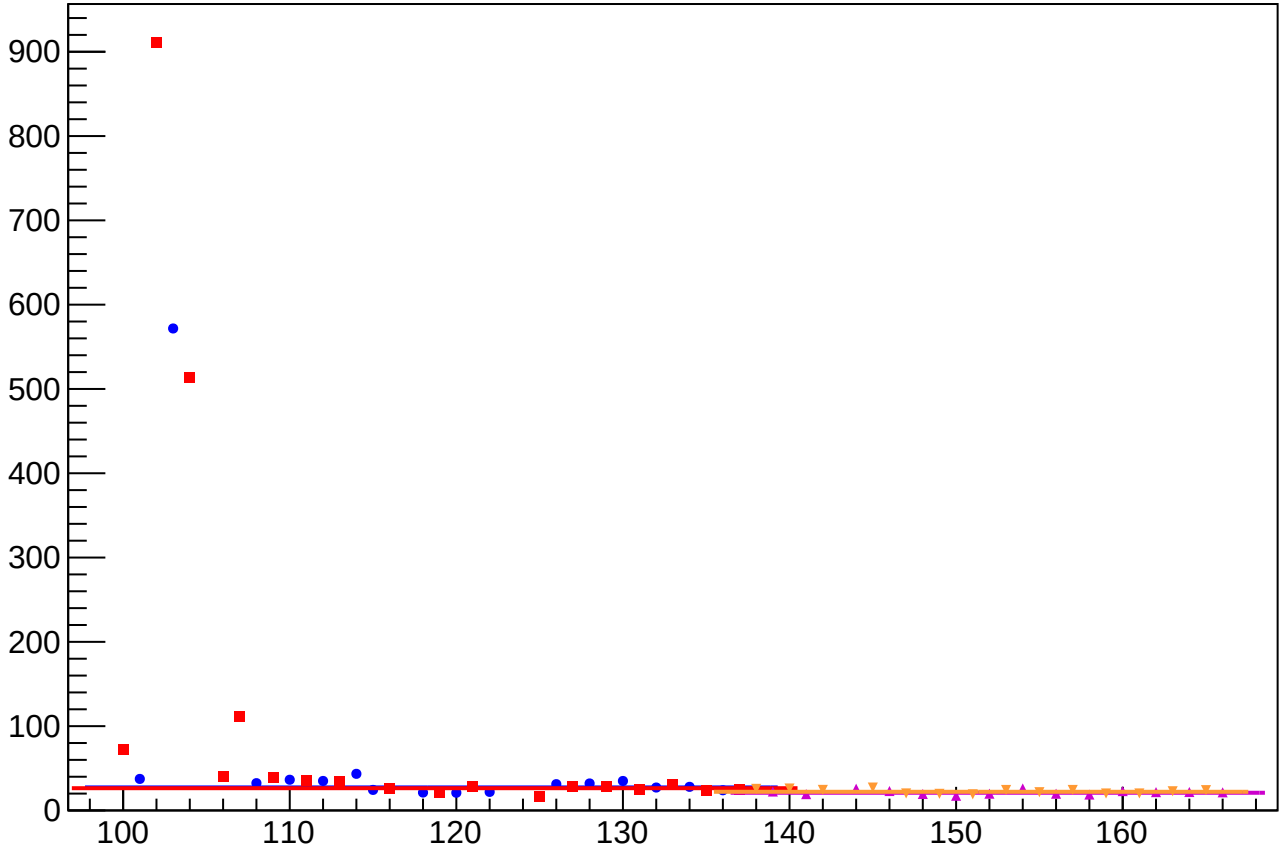
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:28.8/29

Out: 0.003+/-0.006 χ^2/NDF:18.9/31

All: -0.002+/-0.004 χ^2/NDF: 48.8/61

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.140+/-0.005 χ^2/NDF:241776.3/13

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.984+/-0.005 χ^2/NDF:250902.4/13

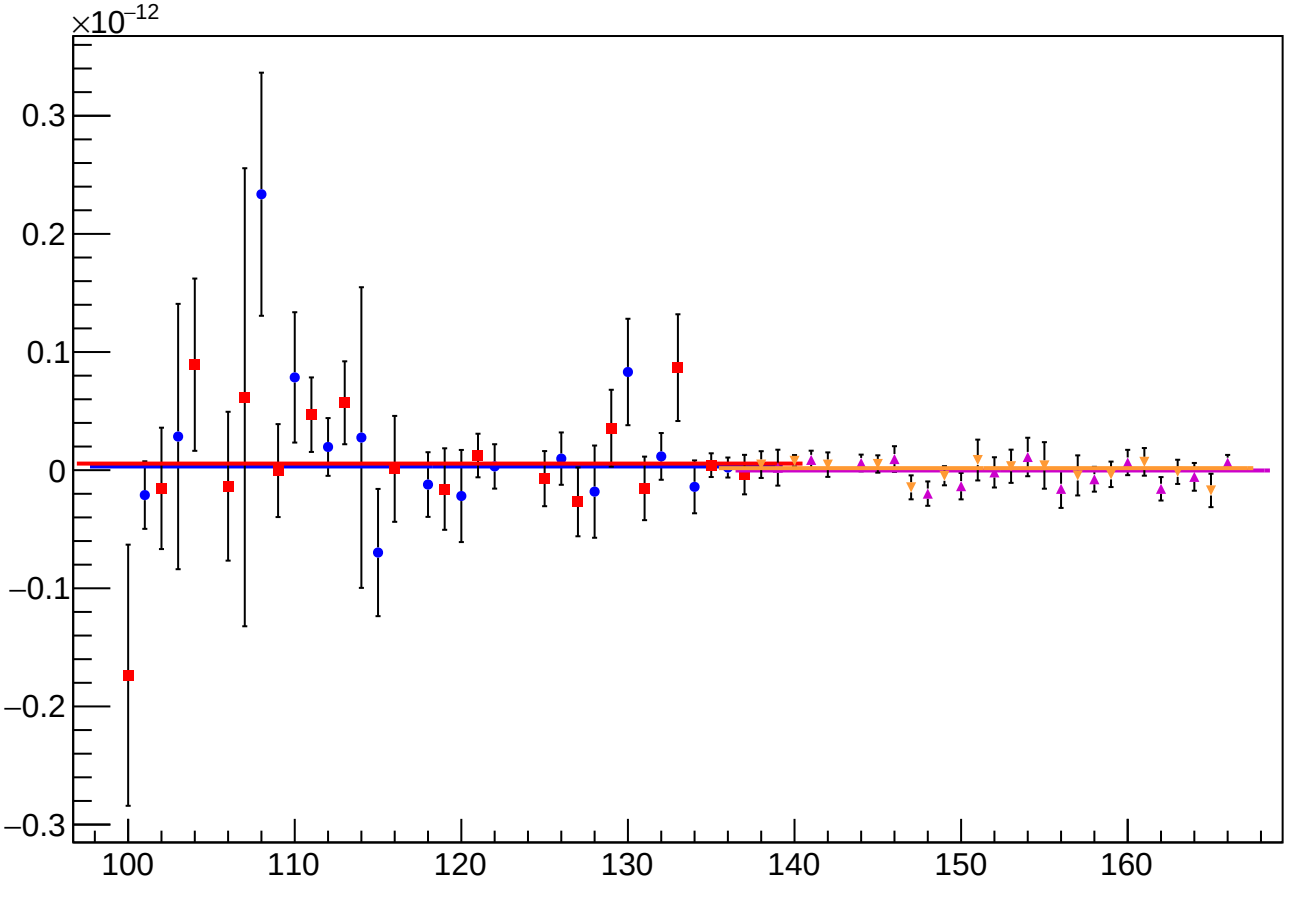
Left: 21.527+/-0.004 χ^2/NDF: 519839.6/27

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.609+/-0.004 χ^2/NDF:2263542.8/29

Out: 23.271+/-0.004 χ^2/NDF:3040946.4/31

All: 22.922+/-0.003 χ^2/NDF: 5316542.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/13

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

Left In: -0.000+/-0.000 χ^2/NDF:13.9/13

Left: 0.000+/-0.000 χ^2/NDF: 22.0/27

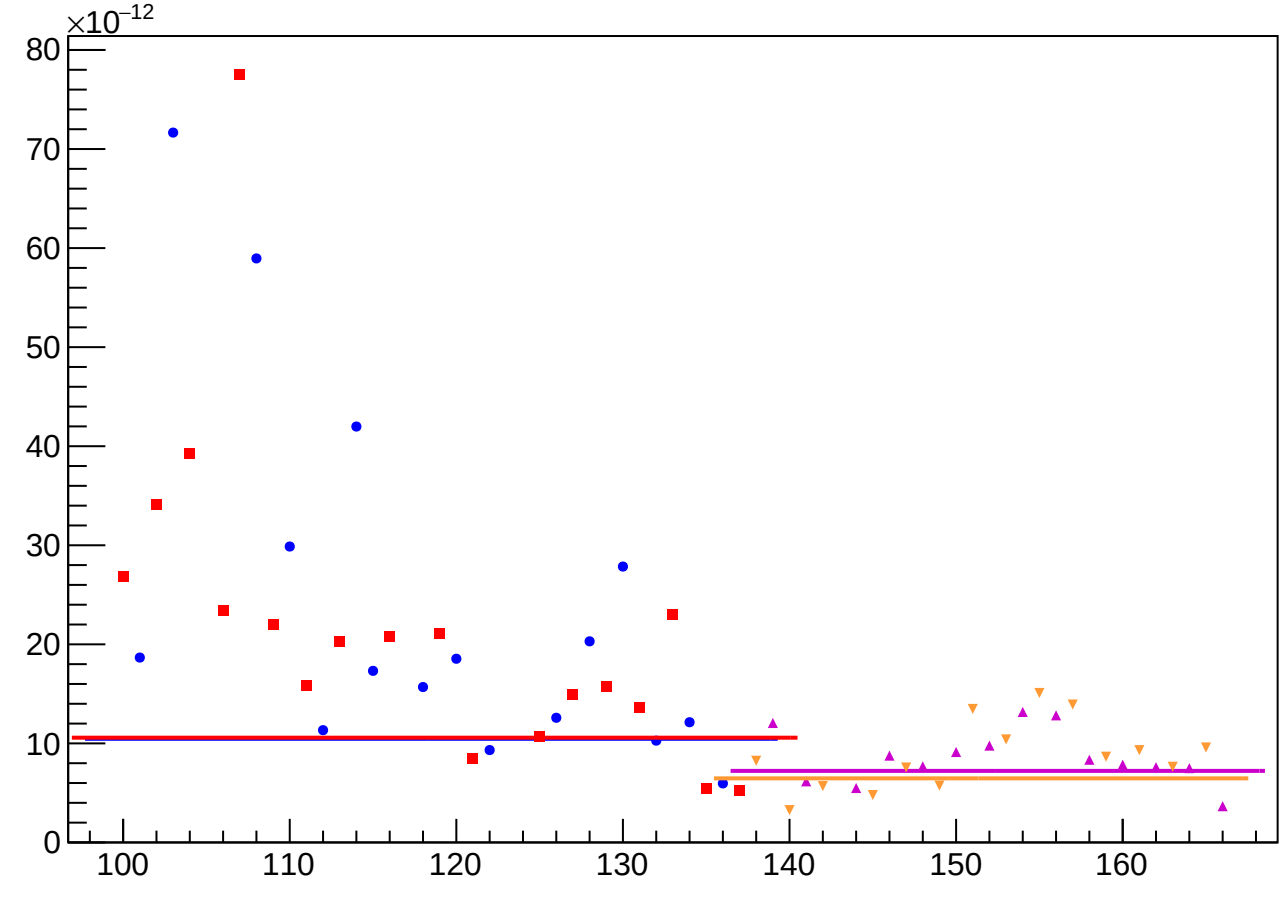
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:29.3/29

Out: 0.000+/-0.000 χ^2/NDF:23.4/31

All: 0.000+/-0.000 χ^2/NDF: 53.0/61

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2631815.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1669267.1/13

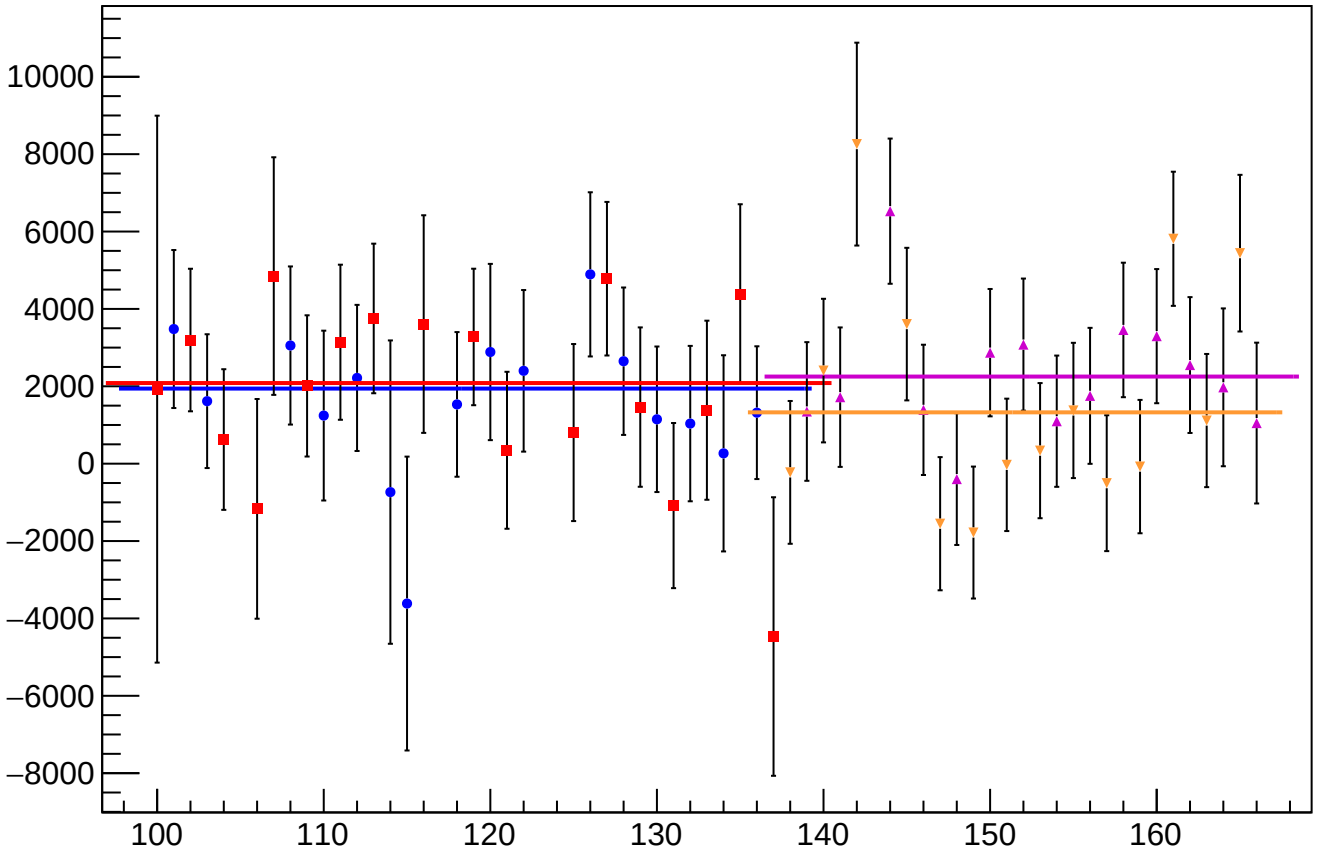
Left: 0.000+/-0.000 χ^2/NDF: 4382051.4/27

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4986508.3/29

Out: 0.000+/-0.000 χ^2/NDF:6171633.7/31

All: 0.000+/-0.000 χ^2/NDF: 11241449.0/61



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.493+/-485.656 χ^2/NDF:29.0/13

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2251.431+/-474.364 χ^2/NDF:10.4/13

Left: 1799.841+/-339.348 χ^2/NDF: 41.2/27

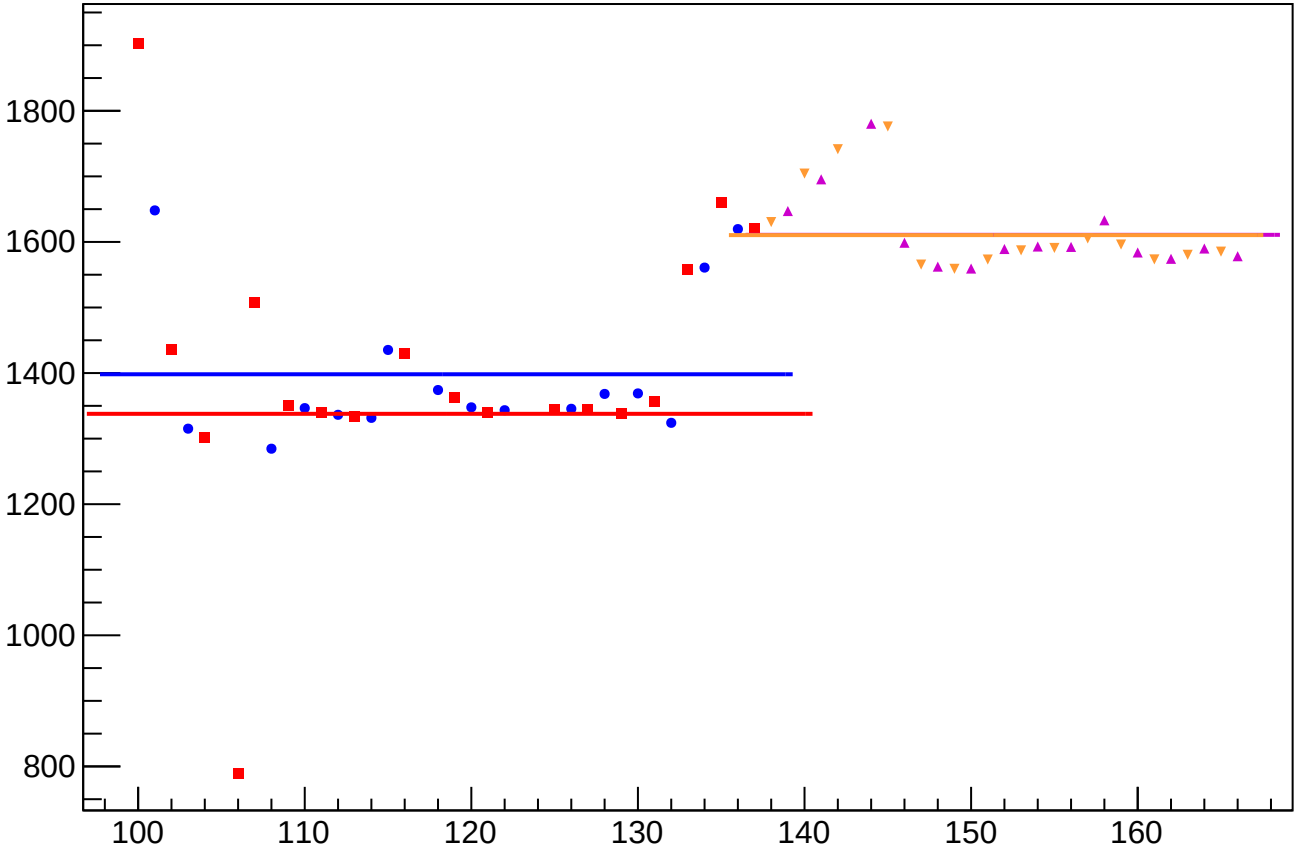
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2111.064+/-351.115 χ^2/NDF:17.5/29

Out: 1679.687+/-354.799 χ^2/NDF:44.6/31

All: 1897.627+/-249.568 χ^2/NDF: 62.9/61

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

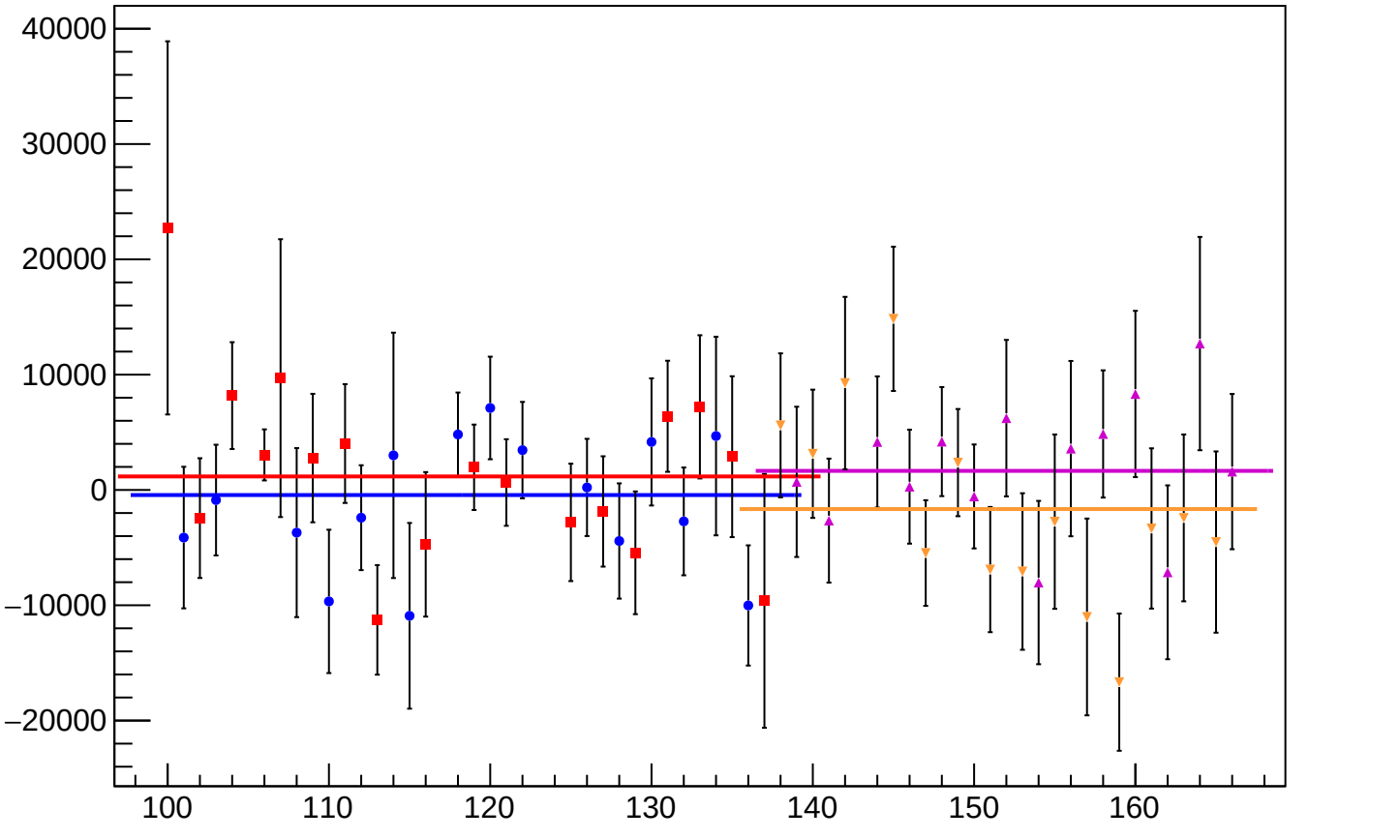
Left: 1610.635+/-0.240 χ^2/NDF: 59541.9/27

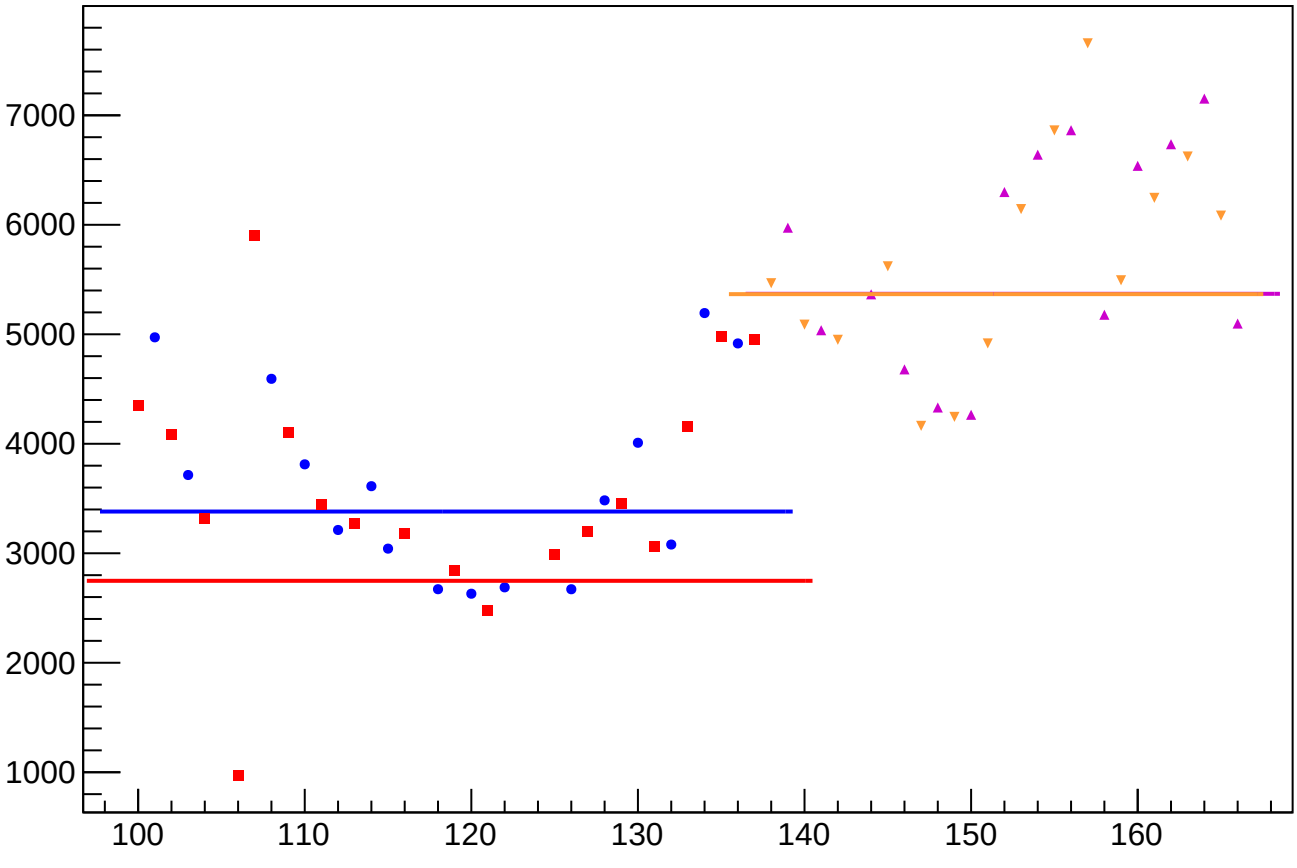
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1514.681+/-0.248 χ^2/NDF:304051.9/29

Out: 1478.989+/-0.247 χ^2/NDF:652752.7/31

All: 1496.752+/-0.175 χ^2/NDF: 967185.9/61


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1657.344+/-1651.903 χ²/NDF:22.0/13
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1655.394+/-1608.854 χ²/NDF:7.8/13
Left: 42.752+/-1152.550 χ²/NDF: 31.9/27
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 383.855+/-1009.232 χ²/NDF:24.8/29
Out: 280.783+/-926.954 χ²/NDF:43.7/31
All: 327.947+/-682.693 χ²/NDF: 68.4/61



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5366.671+/-1.168 χ^2/NDF:641589.2/13

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5369.727+/-1.138 χ^2/NDF:657764.5/13

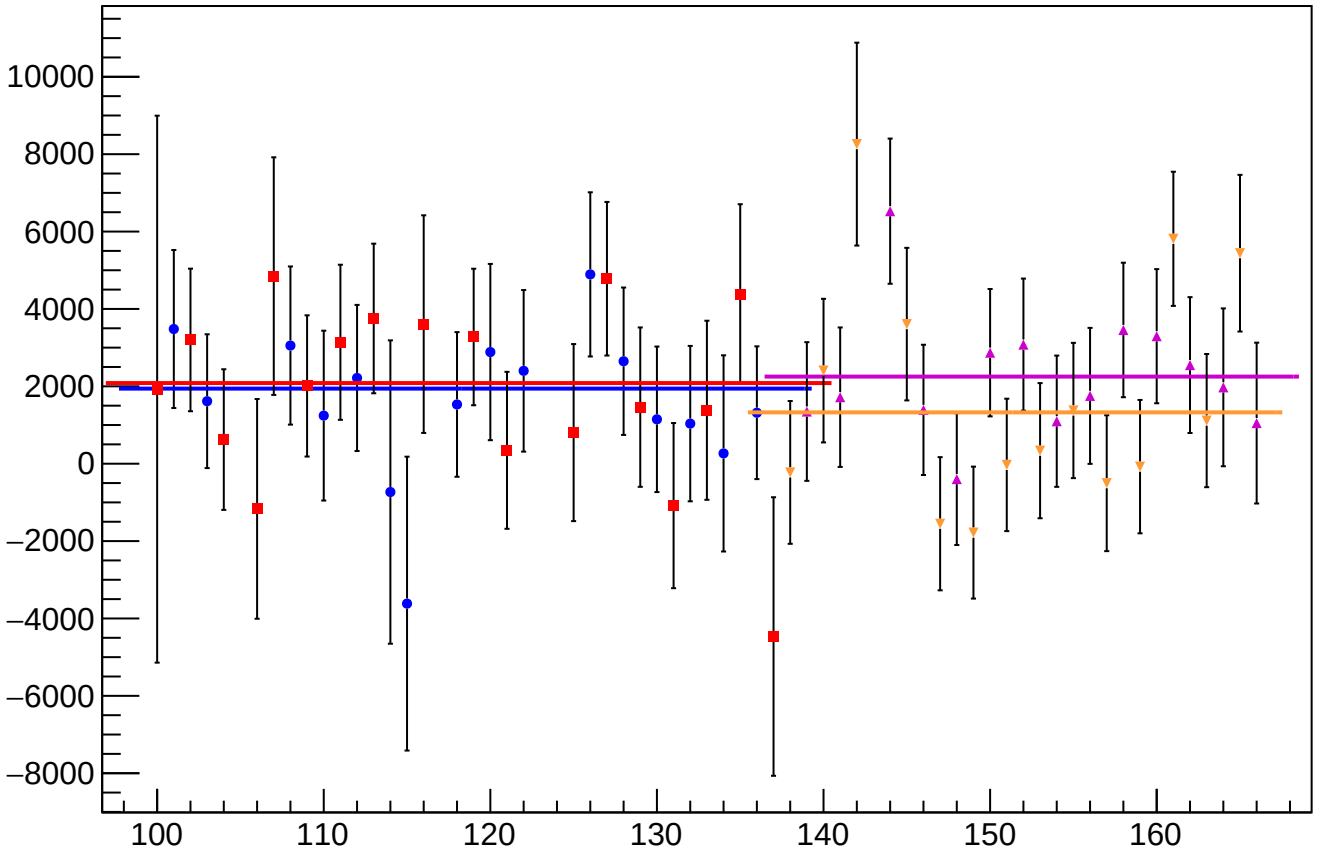
Left: 5368.239+/-0.815 χ^2/NDF: 1299357.2/27

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4163.642+/-0.714 χ^2/NDF:3268118.9/29

Out: 3572.826+/-0.655 χ^2/NDF:6348583.3/31

All: 3843.173+/-0.483 χ^2/NDF: 9988483.7/61



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2251.570+/-474.364 χ^2/NDF:10.4/13

Left: 1799.944+/-339.348 χ^2/NDF: 41.2/27

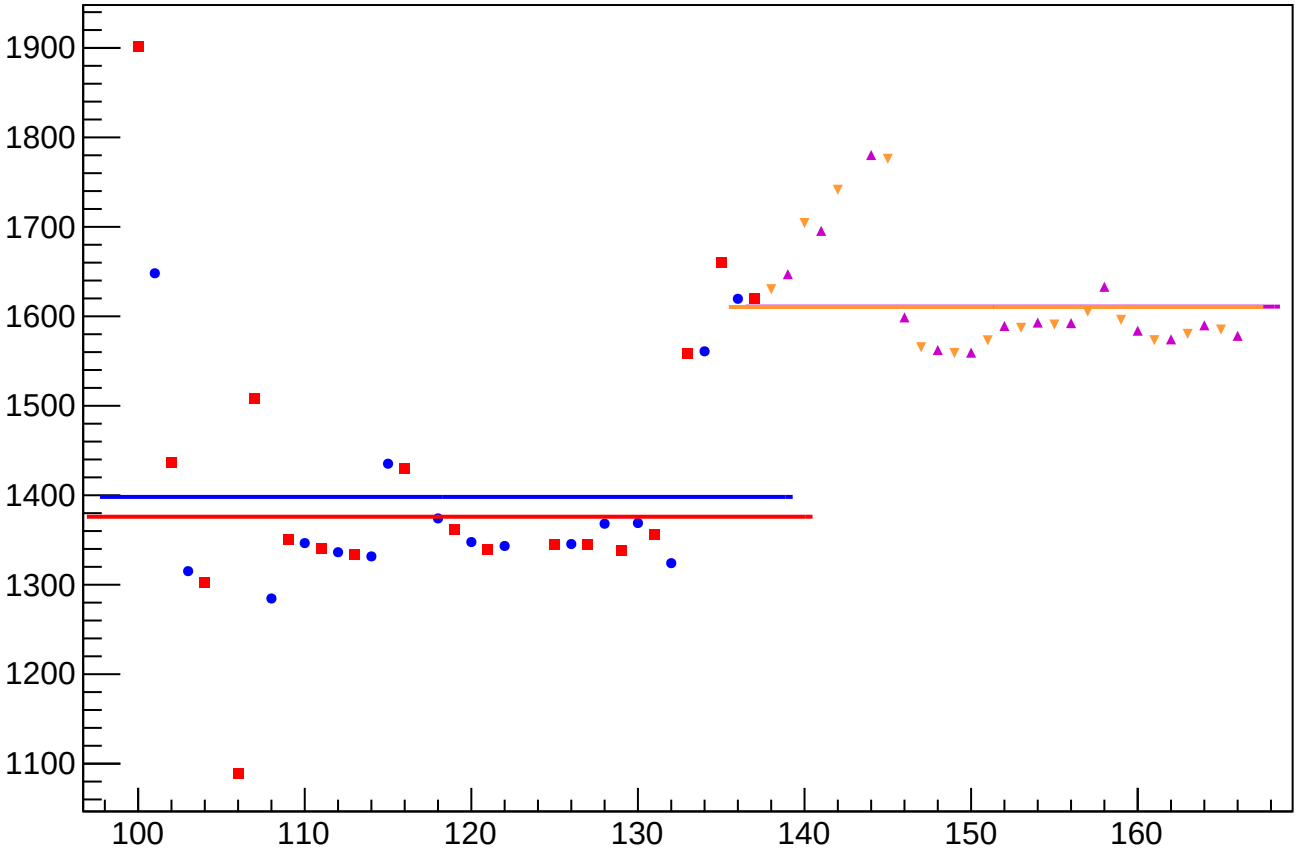
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2111.165+/-351.115 χ^2/NDF:17.5/29

Out: 1679.820+/-354.800 χ^2/NDF:44.6/31

All: 1897.745+/-249.568 χ^2/NDF: 62.9/61

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

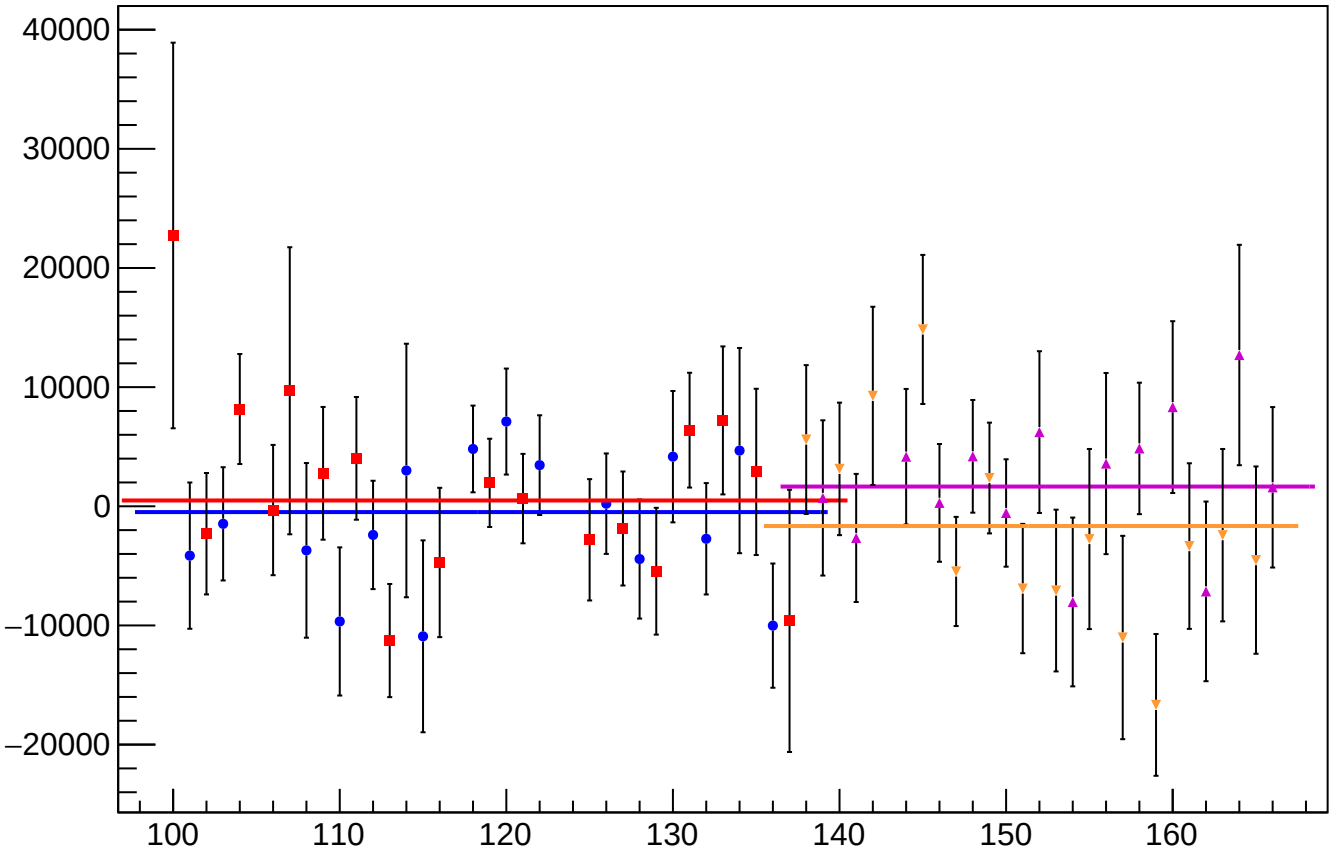
Left: 1610.635+/-0.240 χ^2/NDF: 59541.8/27

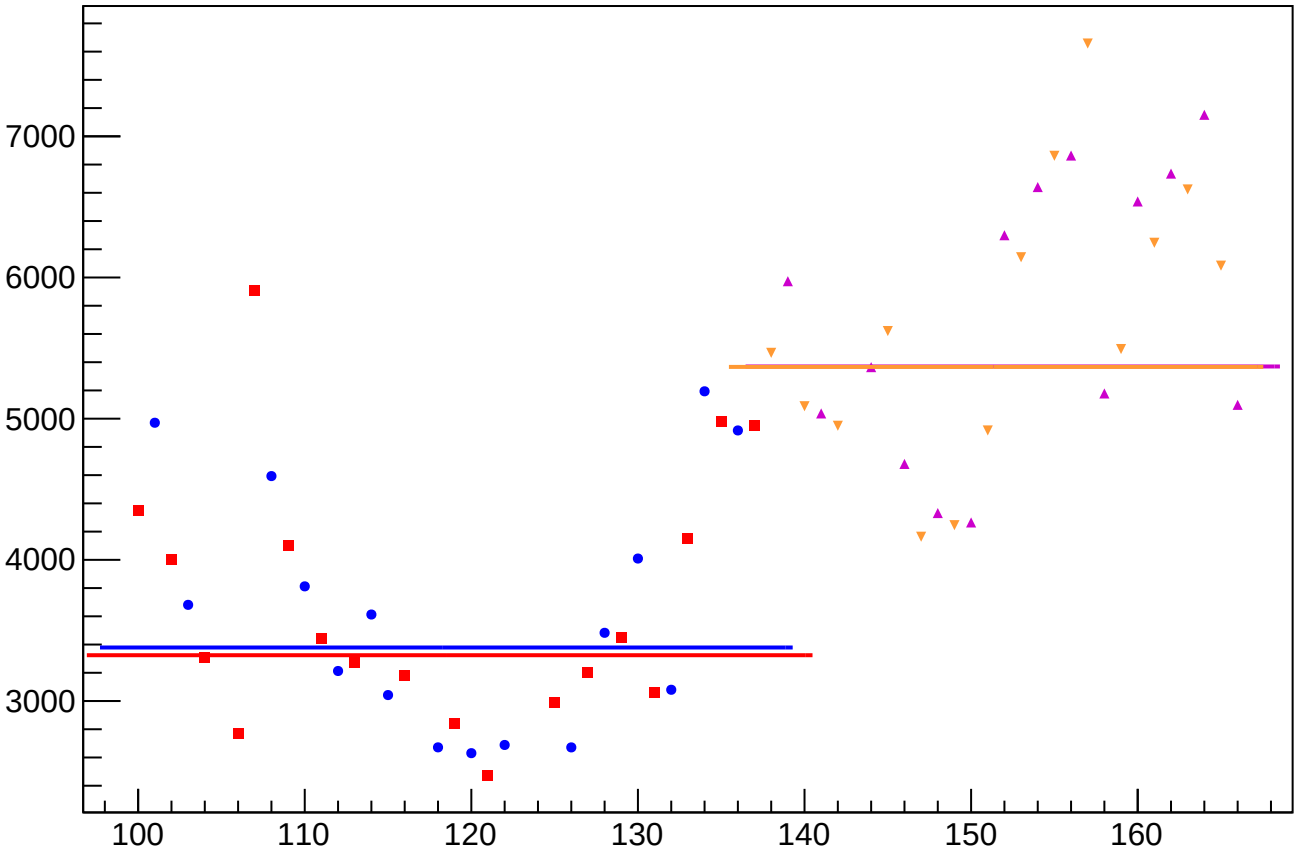
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1514.681+/-0.248 χ^2/NDF:304052.1/29

Out: 1499.561+/-0.249 χ^2/NDF:365559.5/31

All: 1507.152+/-0.176 χ^2/NDF: 671458.3/61


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: -1657.372+/-1651.903 χ²/NDF:22.0/13
Right Out: 488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: 1655.519+/-1608.853 χ²/NDF:7.8/13
Left: 42.804+/-1152.550 χ²/NDF: 31.9/27
Right: 13.837+/-903.535 χ²/NDF: 35.0/33
In: 355.577+/-1008.766 χ²/NDF:24.9/29
Out: -301.751+/-1002.493 χ²/NDF:41.8/31
All: 24.863+/-711.077 χ²/NDF: 66.8/61



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5369.723+/-1.138 χ^2/NDF:657772.9/13

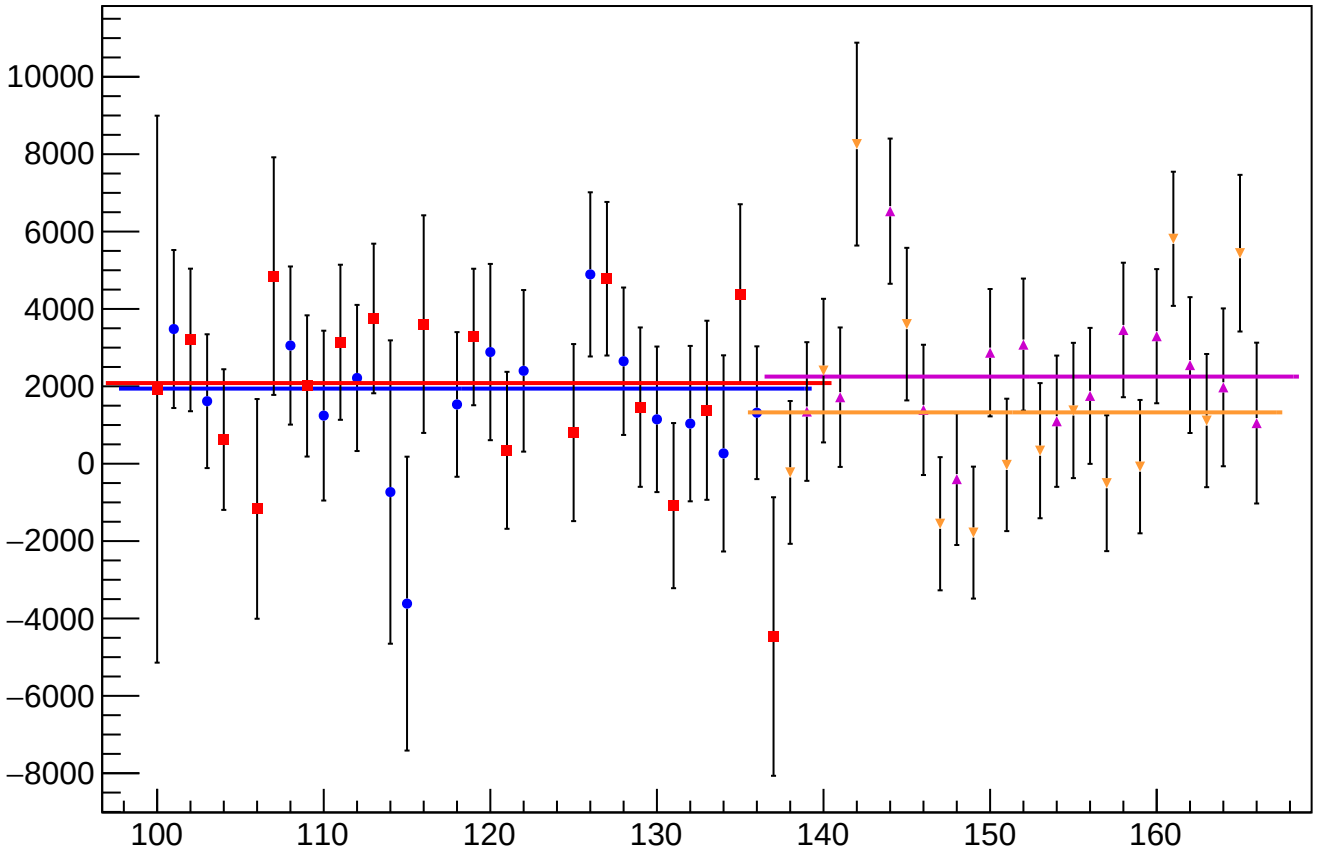
Left: 5368.238+/-0.815 χ^2/NDF: 1299362.3/27

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4161.701+/-0.713 χ^2/NDF:3271168.1/29

Out: 4076.586+/-0.709 χ^2/NDF:3116401.2/31

All: 4118.878+/-0.503 χ^2/NDF: 6394732.9/61



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2251.570+/-474.364 χ^2/NDF:10.4/13

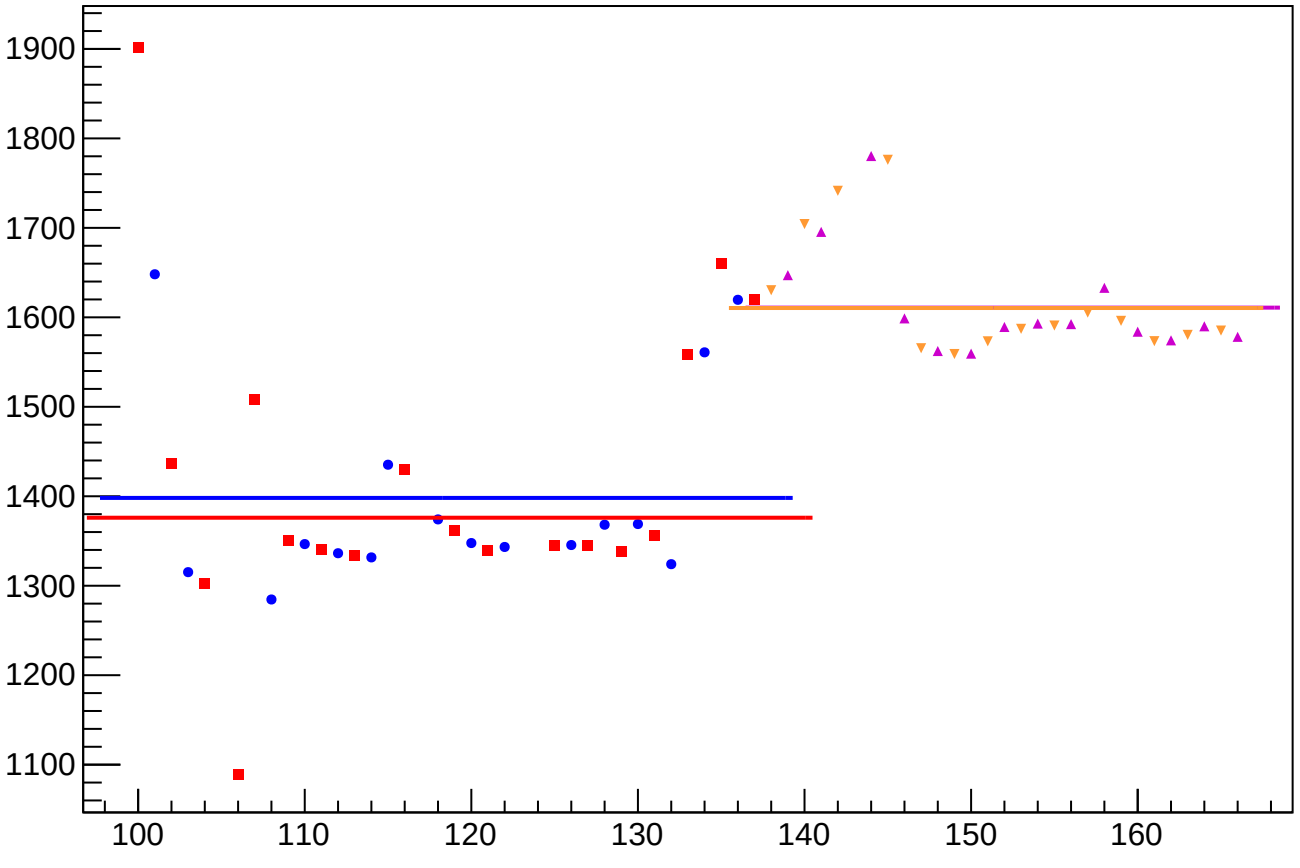
Left: 1799.944+/-339.348 χ^2/NDF: 41.2/27

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2111.165+/-351.115 χ^2/NDF:17.5/29

Out: 1679.820+/-354.800 χ^2/NDF:44.6/31

All: 1897.745+/-249.568 χ^2/NDF: 62.9/61



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1610.840+/-0.335 χ^2/NDF:28357.0/13

Left: 1610.635+/-0.240 χ^2/NDF: 59541.8/27

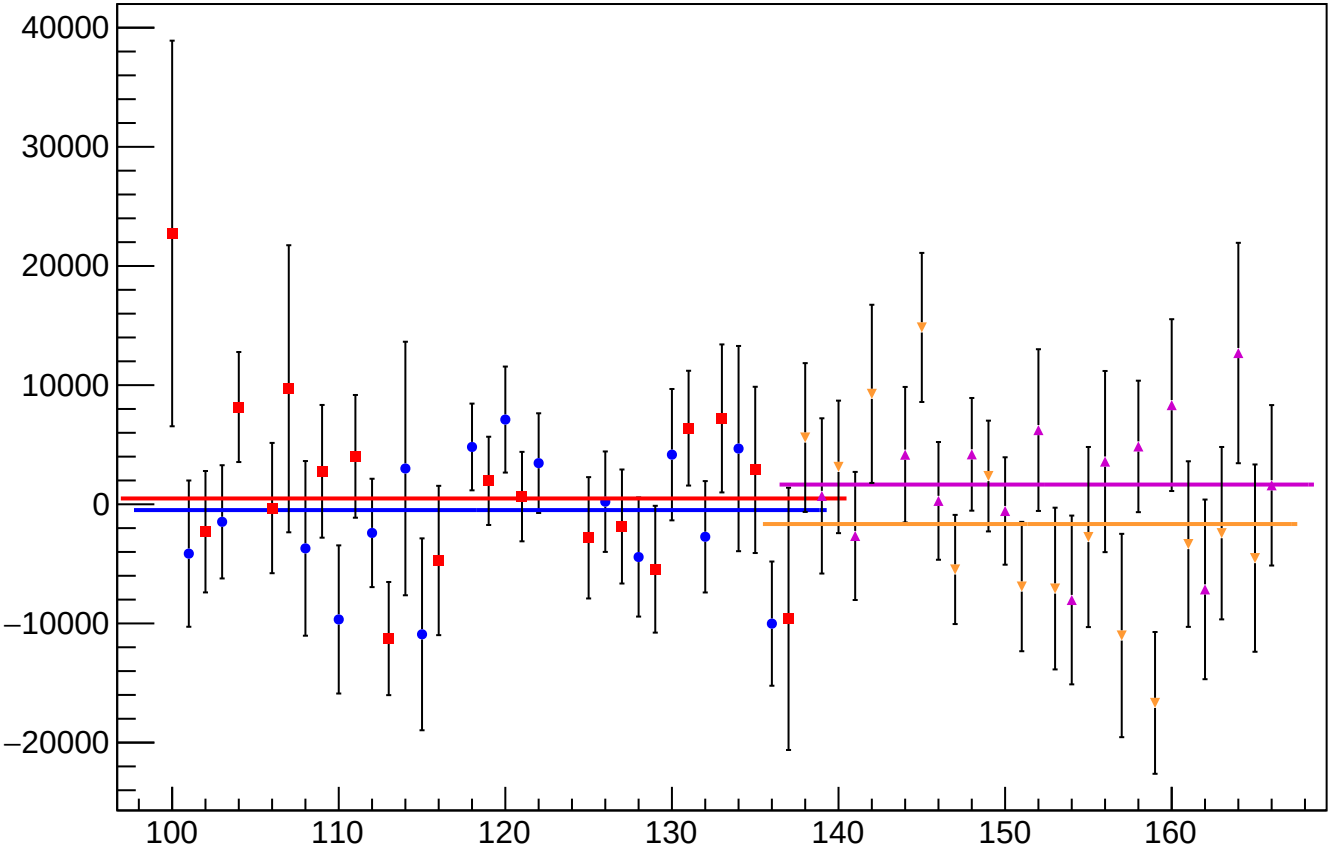
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1514.681+/-0.248 χ^2/NDF:304052.1/29

Out: 1499.561+/-0.249 χ^2/NDF:365559.5/31

All: 1507.152+/-0.176 χ^2/NDF: 671458.3/61

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1657.372+/-1651.903 χ^2/NDF:22.0/13

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1655.519+/-1608.853 χ^2/NDF:7.8/13

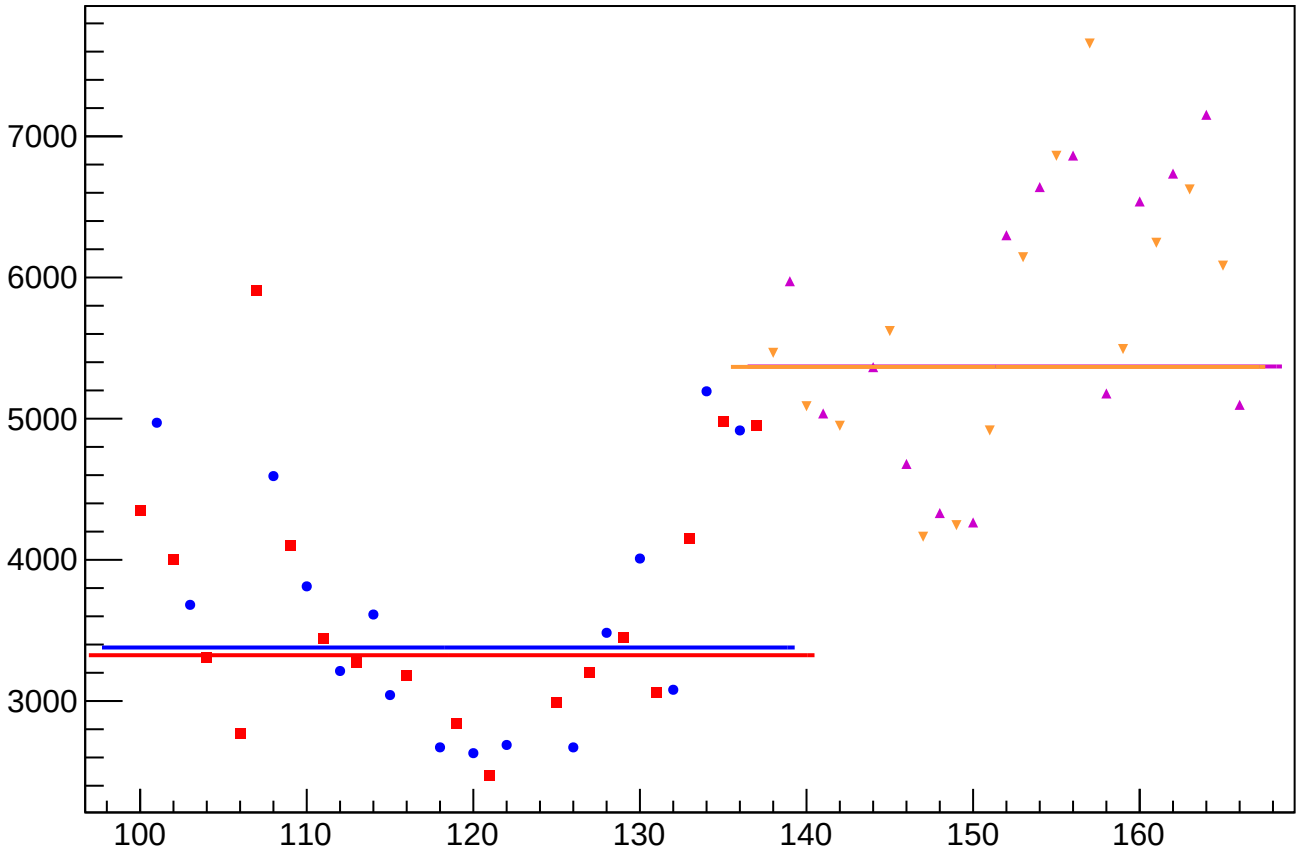
Left: 42.804+/-1152.550 χ^2/NDF: 31.9/27

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 355.577+/-1008.766 χ^2/NDF:24.9/29

Out: -301.751+/-1002.493 χ^2/NDF:41.8/31

All: 24.863+/-711.077 χ^2/NDF: 66.8/61



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5369.723+/-1.138 χ^2/NDF:657772.9/13

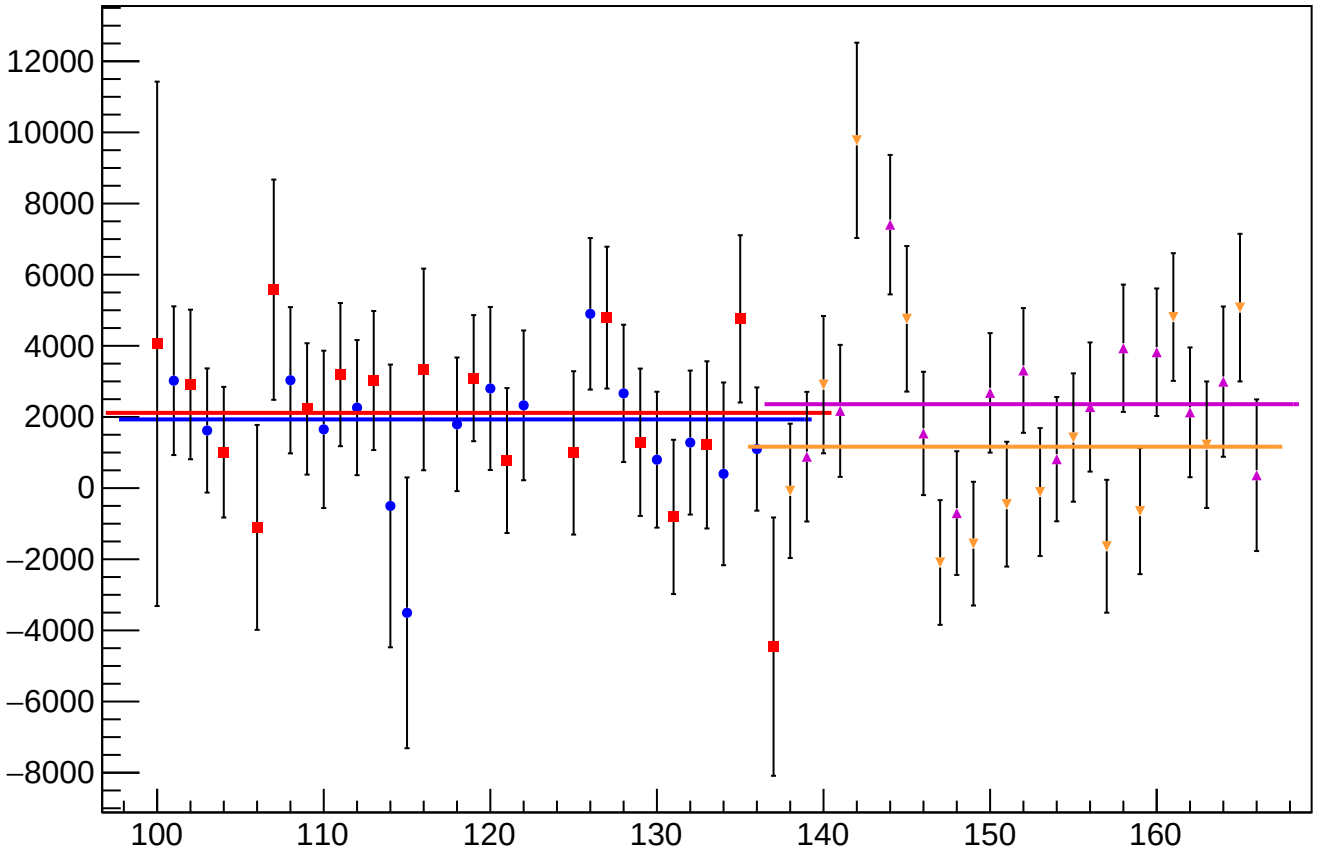
Left: 5368.238+/-0.815 χ^2/NDF: 1299362.3/27

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4161.701+/-0.713 χ^2/NDF:3271168.1/29

Out: 4076.586+/-0.709 χ^2/NDF:3116401.2/31

All: 4118.878+/-0.503 χ^2/NDF: 6394732.9/61



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.108+/-501.144 χ^2/NDF:32.4/13

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2359.038+/-488.309 χ^2/NDF:14.2/13

Left: 1777.071+/-349.736 χ^2/NDF: 49.5/27

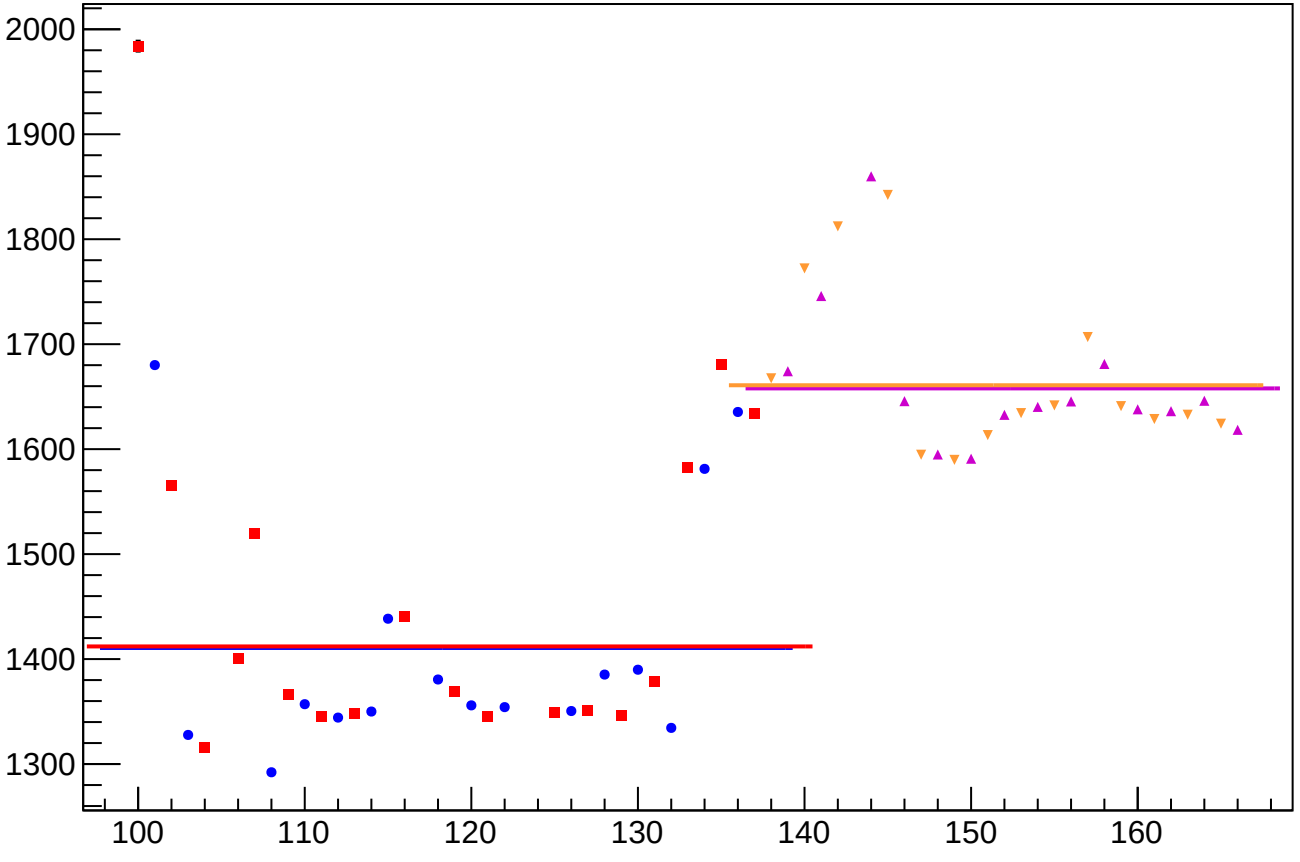
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2161.610+/-358.227 χ^2/NDF:20.9/29

Out: 1614.129+/-363.747 χ^2/NDF:47.3/31

All: 1892.055+/-255.234 χ^2/NDF: 69.3/61

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.868+/-0.354 χ^2/NDF:40009.6/13

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1657.871+/-0.345 χ^2/NDF:34130.9/13

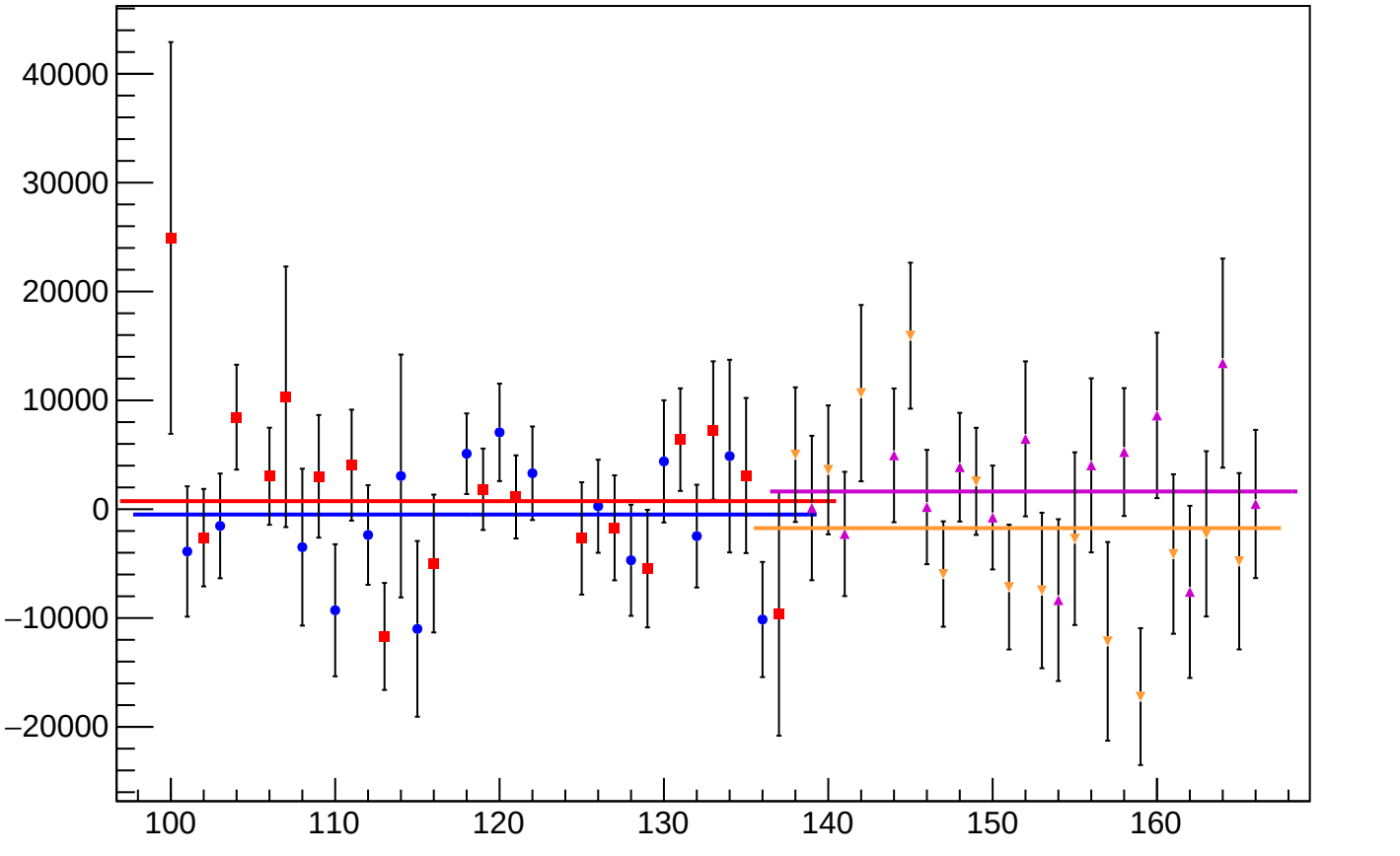
Left: 1659.331+/-0.247 χ^2/NDF: 74177.3/27

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1543.674+/-0.253 χ^2/NDF:370132.4/29

Out: 1542.804+/-0.257 χ^2/NDF:363657.5/31

All: 1543.245+/-0.180 χ^2/NDF: 733795.7/61


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
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−10000
−20000
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130
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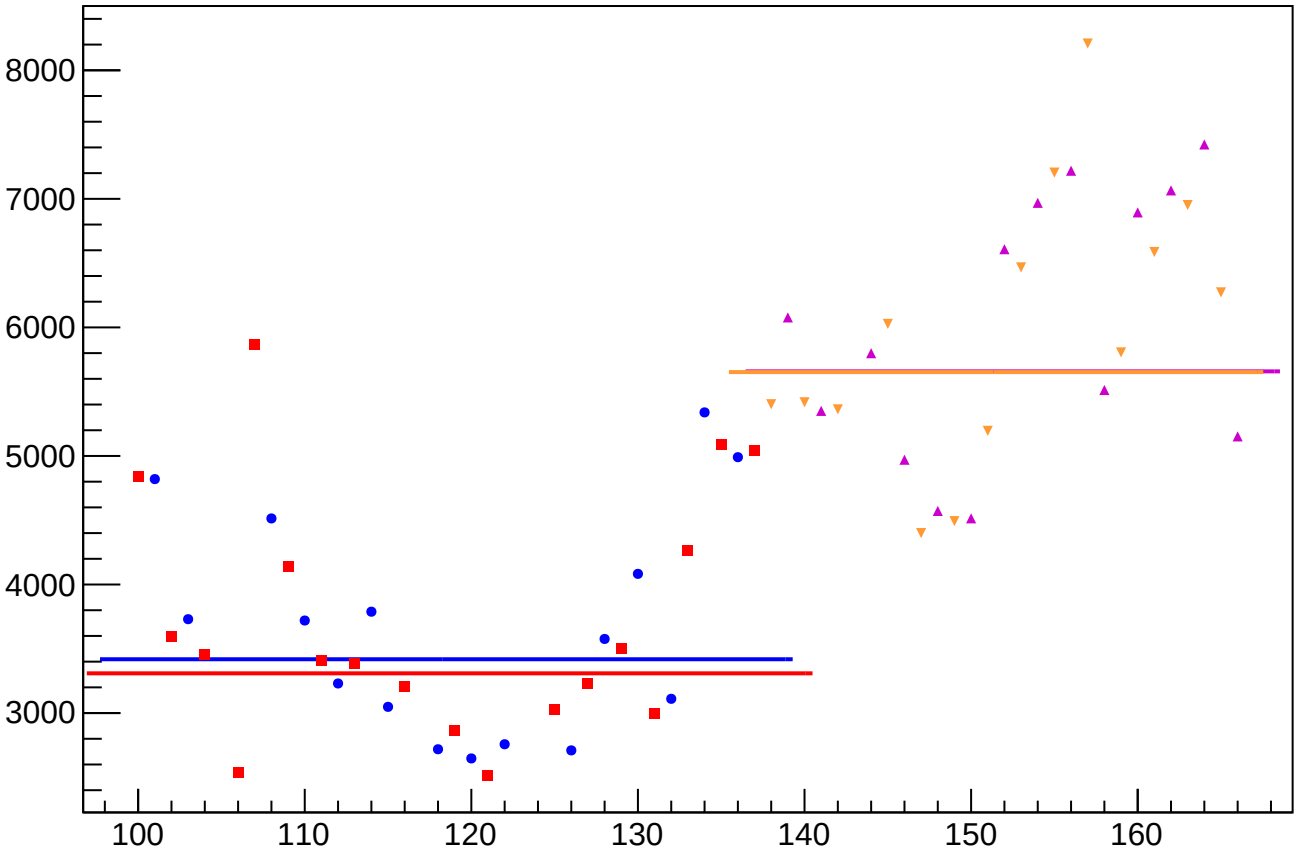
150
160
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -1738.005+/-1739.270 χ²/NDF:22.0/13
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 1629.277+/-1694.340 χ²/NDF:7.8/13
Left: -10.310+/-1213.653 χ²/NDF: 31.7/27
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: 302.272+/-1035.717 χ²/NDF:24.6/29
Out: -101.777+/-1013.947 χ²/NDF:42.5/31
All: 95.956+/-724.543 χ²/NDF: 67.2/61



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5652.424+/-1.230 χ^2/NDF:636294.5/13

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5658.064+/-1.198 χ^2/NDF:628700.4/13

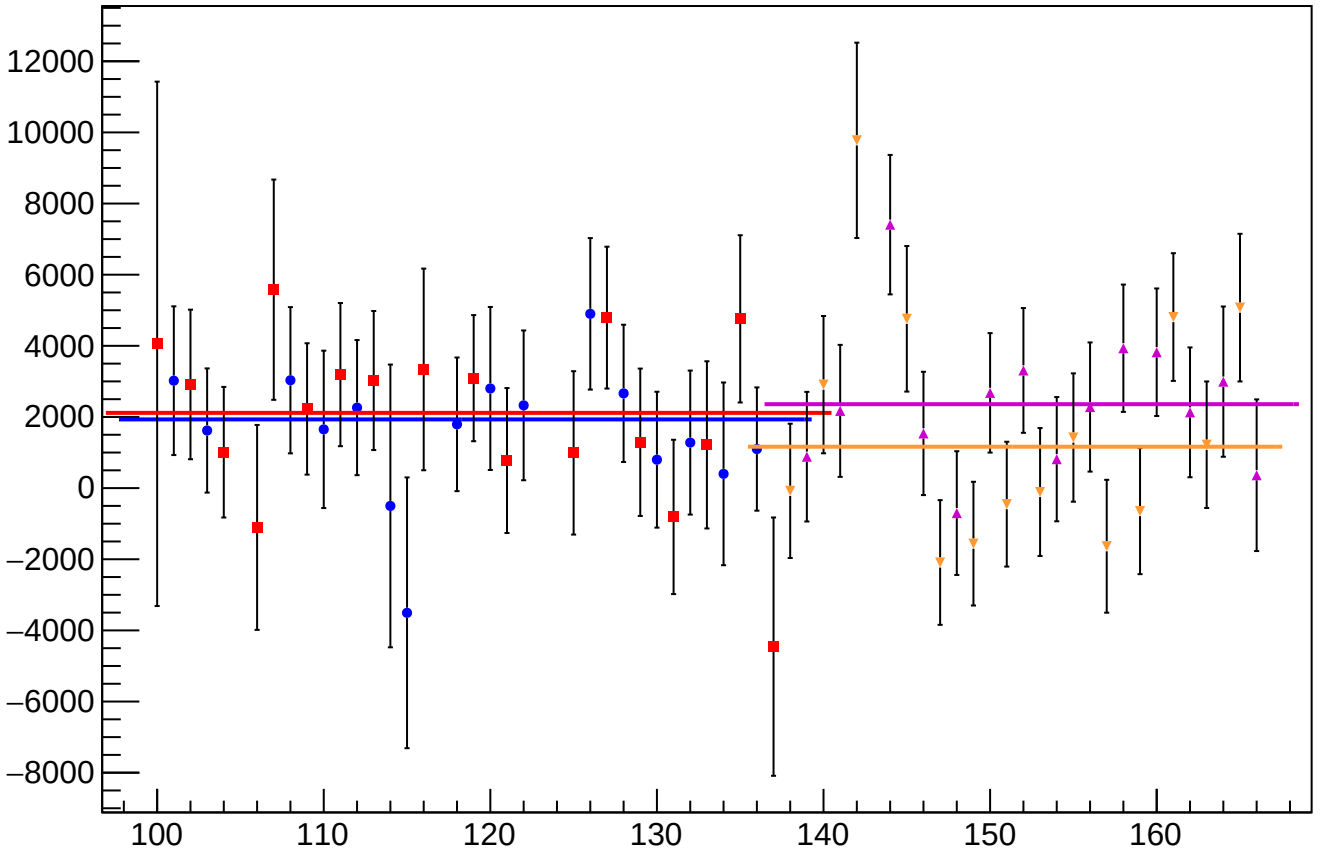
Left: 5655.318+/-0.858 χ^2/NDF: 1265005.7/27

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4255.470+/-0.732 χ^2/NDF:3538108.1/29

Out: 4105.504+/-0.717 χ^2/NDF:3604827.0/31

All: 4178.894+/-0.512 χ^2/NDF: 7164345.9/61



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.101+/-501.144 χ^2/NDF:32.4/13

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2359.041+/-488.309 χ^2/NDF:14.2/13

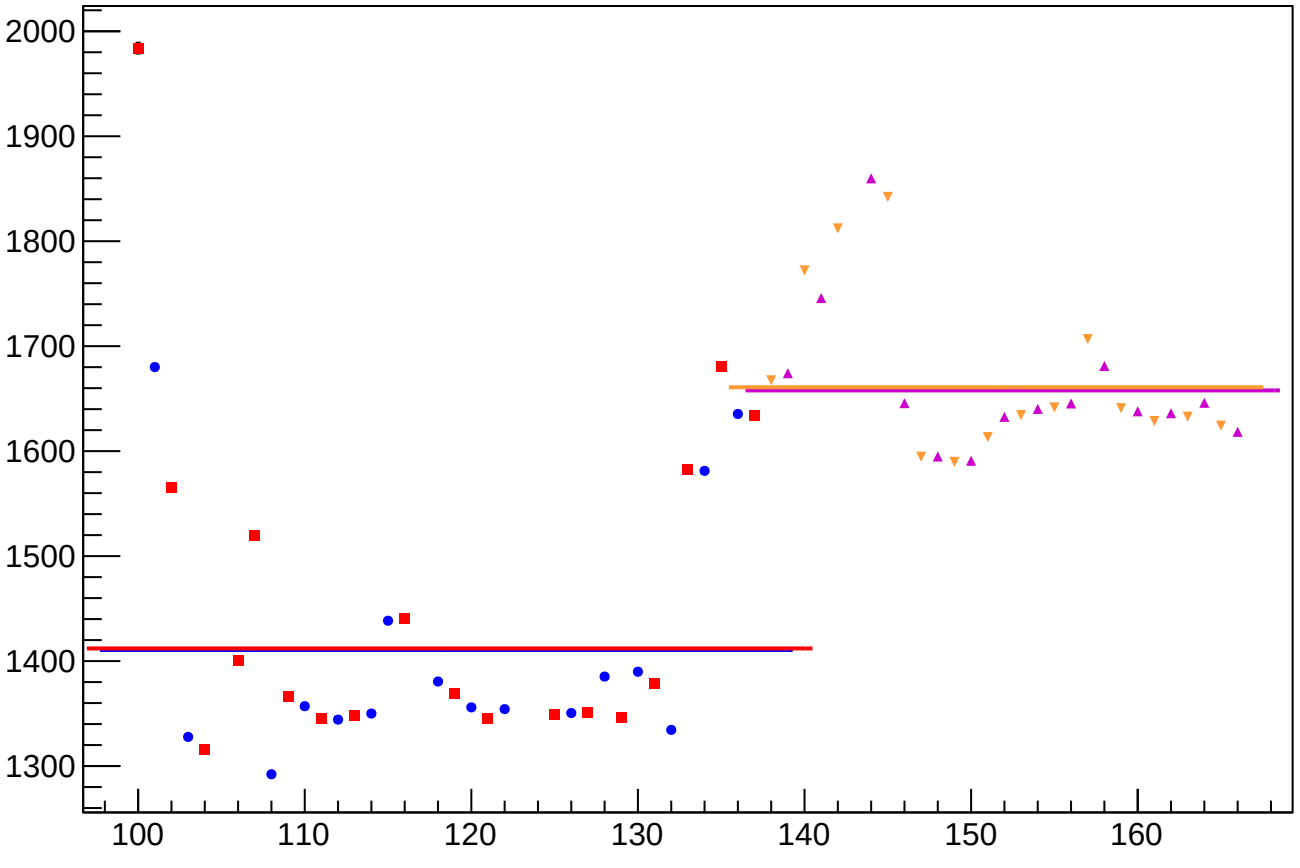
Left: 1777.068+/-349.736 χ^2/NDF: 49.5/27

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2161.611+/-358.227 χ^2/NDF:20.9/29

Out: 1614.125+/-363.747 χ^2/NDF:47.3/31

All: 1892.054+/-255.234 χ^2/NDF: 69.3/61



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.870+/-0.354 χ^2/NDF:40010.3/13

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1657.872+/-0.345 χ^2/NDF:34131.3/13

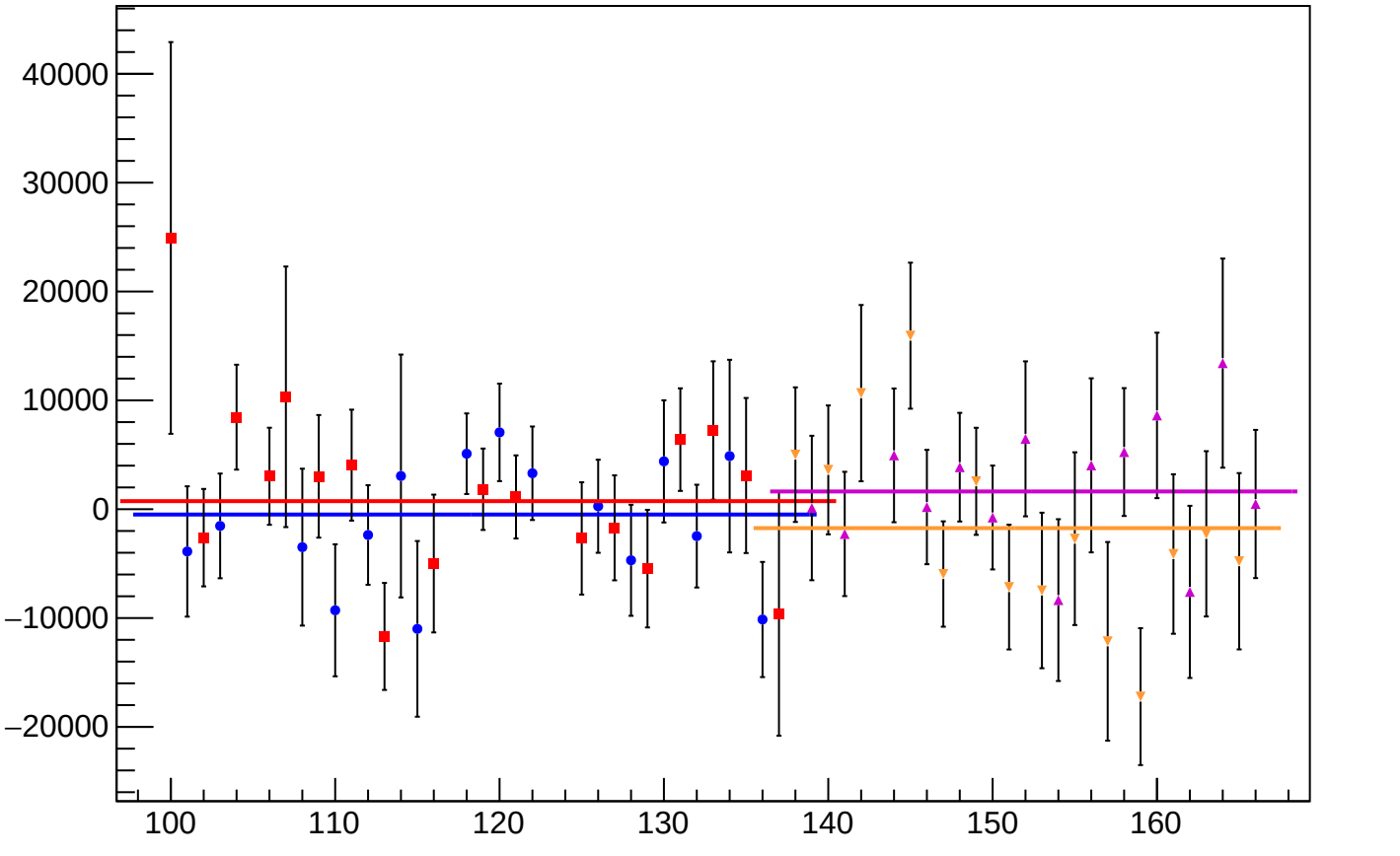
Left: 1659.332+/-0.247 χ^2/NDF: 74178.4/27

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1543.675+/-0.253 χ^2/NDF:370135.1/29

Out: 1542.804+/-0.257 χ^2/NDF:363661.2/31

All: 1543.246+/-0.180 χ^2/NDF: 733802.1/61


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
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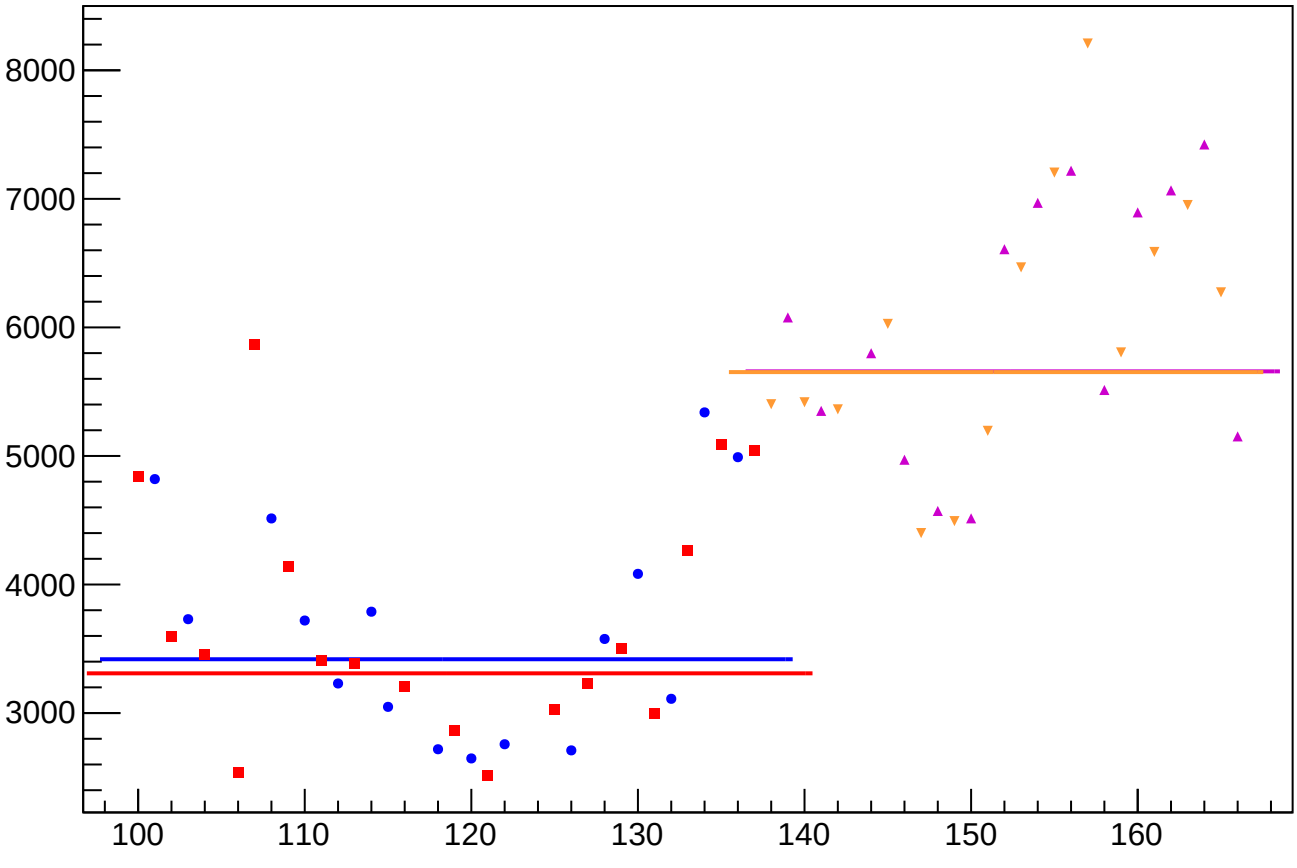
160
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -1738.014+/-1739.272 χ²/NDF:22.0/13
Right Out: 740.594+/-1247.944 χ²/NDF: 19.2/17
Left In: 1629.278+/-1694.342 χ²/NDF:7.8/13
Left: -10.314+/-1213.654 χ²/NDF: 31.7/27
Right: 154.807+/-903.141 χ²/NDF: 35.5/33
In: 302.272+/-1035.715 χ²/NDF:24.6/29
Out: -101.774+/-1013.945 χ²/NDF:42.5/31
All: 95.958+/-724.542 χ²/NDF: 67.2/61



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5652.431+/-1.230 χ^2/NDF:636297.5/13

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5658.071+/-1.198 χ^2/NDF:628703.0/13

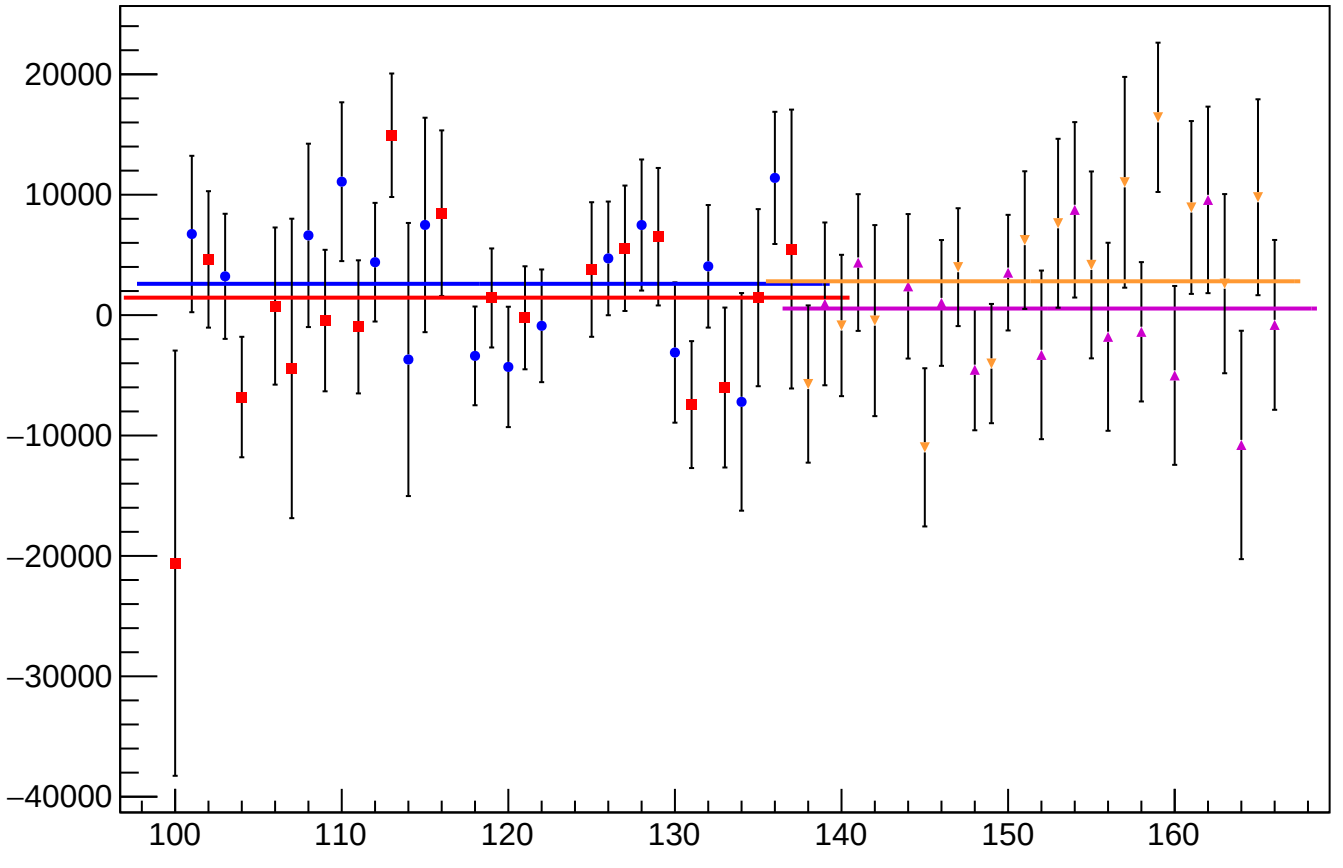
Left: 5655.325+/-0.858 χ^2/NDF: 1265011.3/27

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4255.461+/-0.732 χ^2/NDF:3538156.3/29

Out: 4105.495+/-0.717 χ^2/NDF:3604869.8/31

All: 4178.885+/-0.512 χ^2/NDF: 7164436.7/61



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2809.303+/-1732.548 χ^2/NDF:16.7/13

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 546.113+/-1686.199 χ^2/NDF:7.1/13

Left: 1647.031+/-1208.376 χ^2/NDF: 24.7/27

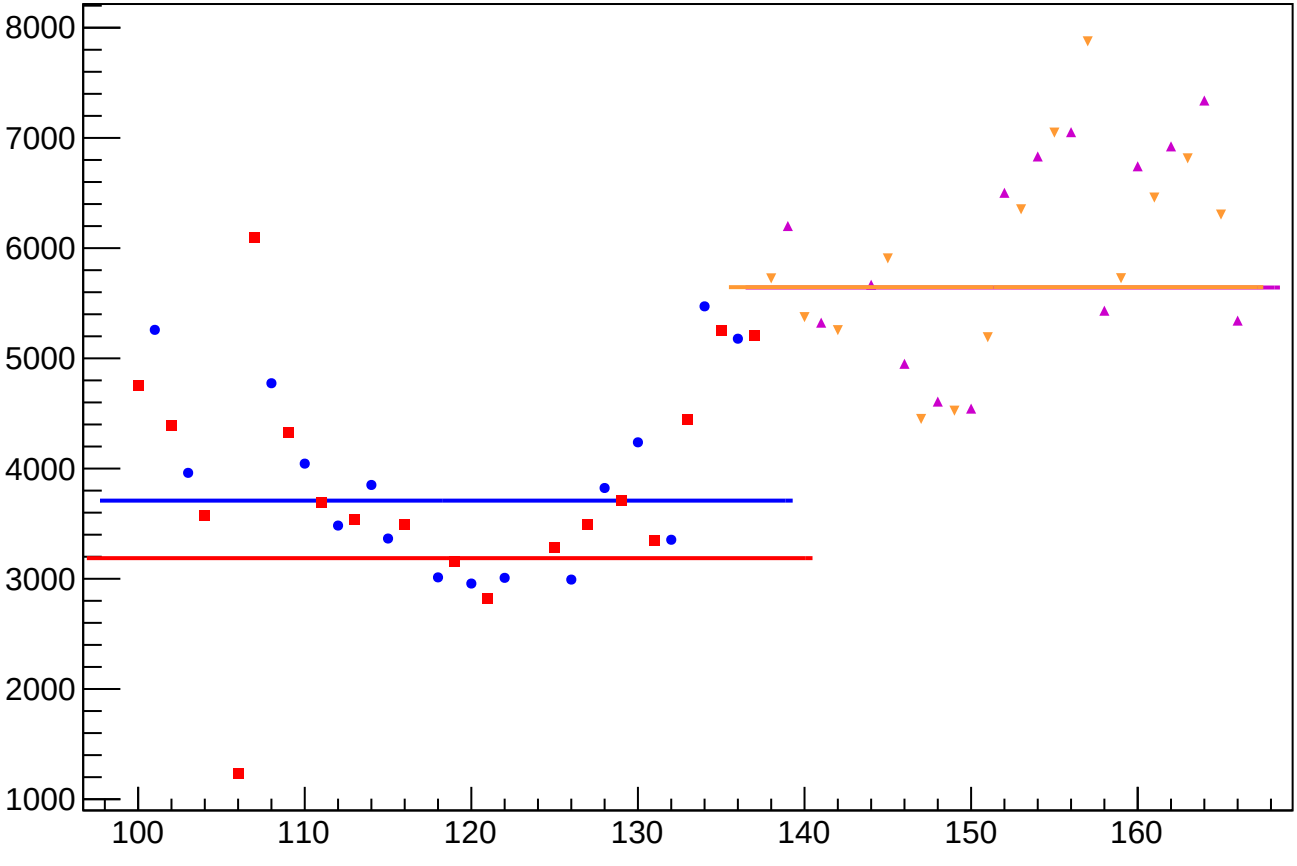
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1751.436+/-1083.692 χ^2/NDF:21.5/29

Out: 1979.211+/-1080.779 χ^2/NDF:36.1/31

All: 1865.630+/-765.254 χ^2/NDF: 57.6/61

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5645.996+/-1.225 χ^2/NDF:550767.2/13

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5642.726+/-1.192 χ^2/NDF:561788.8/13

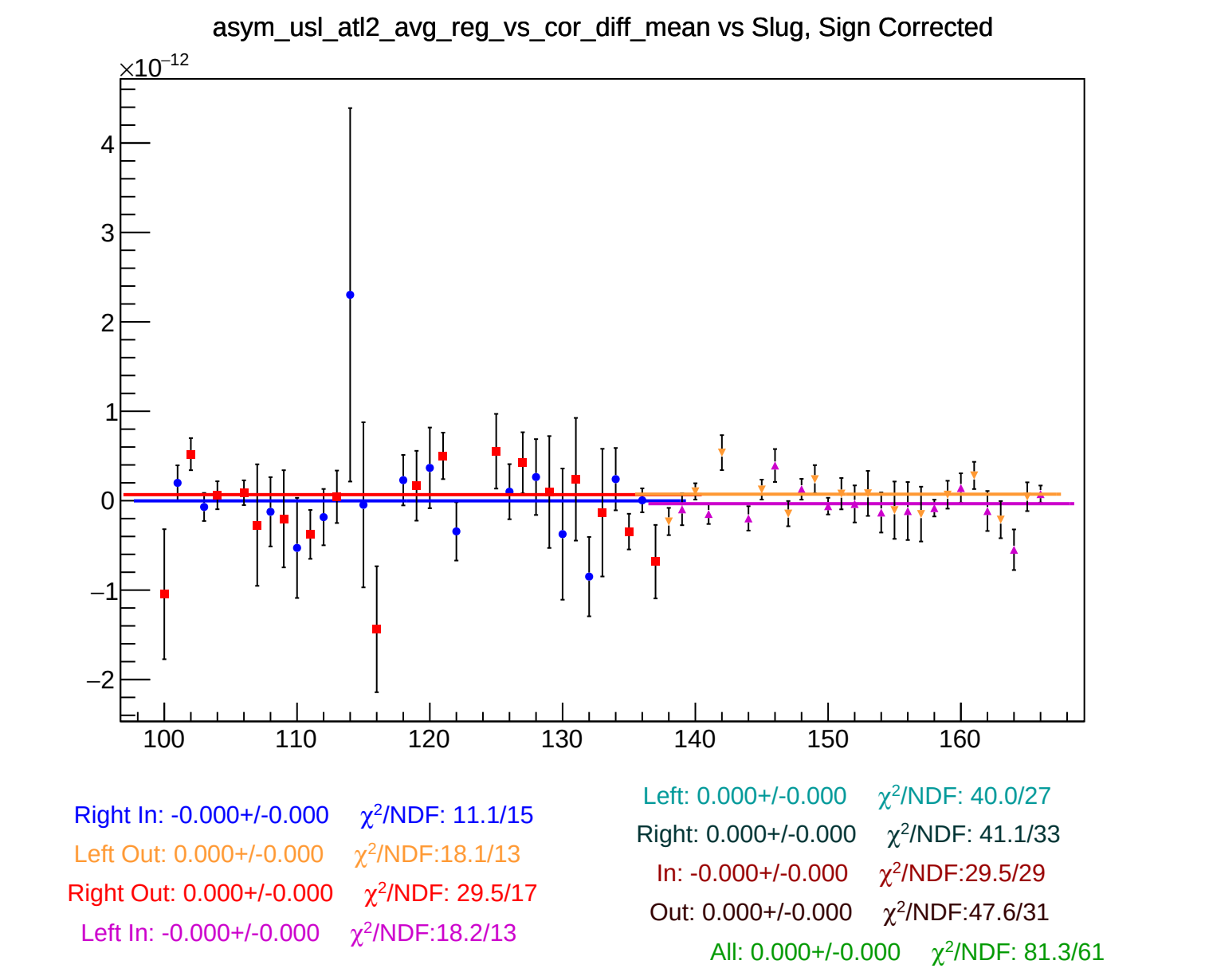
Left: 5644.316+/-0.854 χ^2/NDF: 1112559.6/27

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4507.799+/-0.766 χ^2/NDF:2716046.2/29

Out: 4043.528+/-0.723 χ^2/NDF:4786849.3/31

All: 4262.177+/-0.526 χ^2/NDF: 7697099.6/61


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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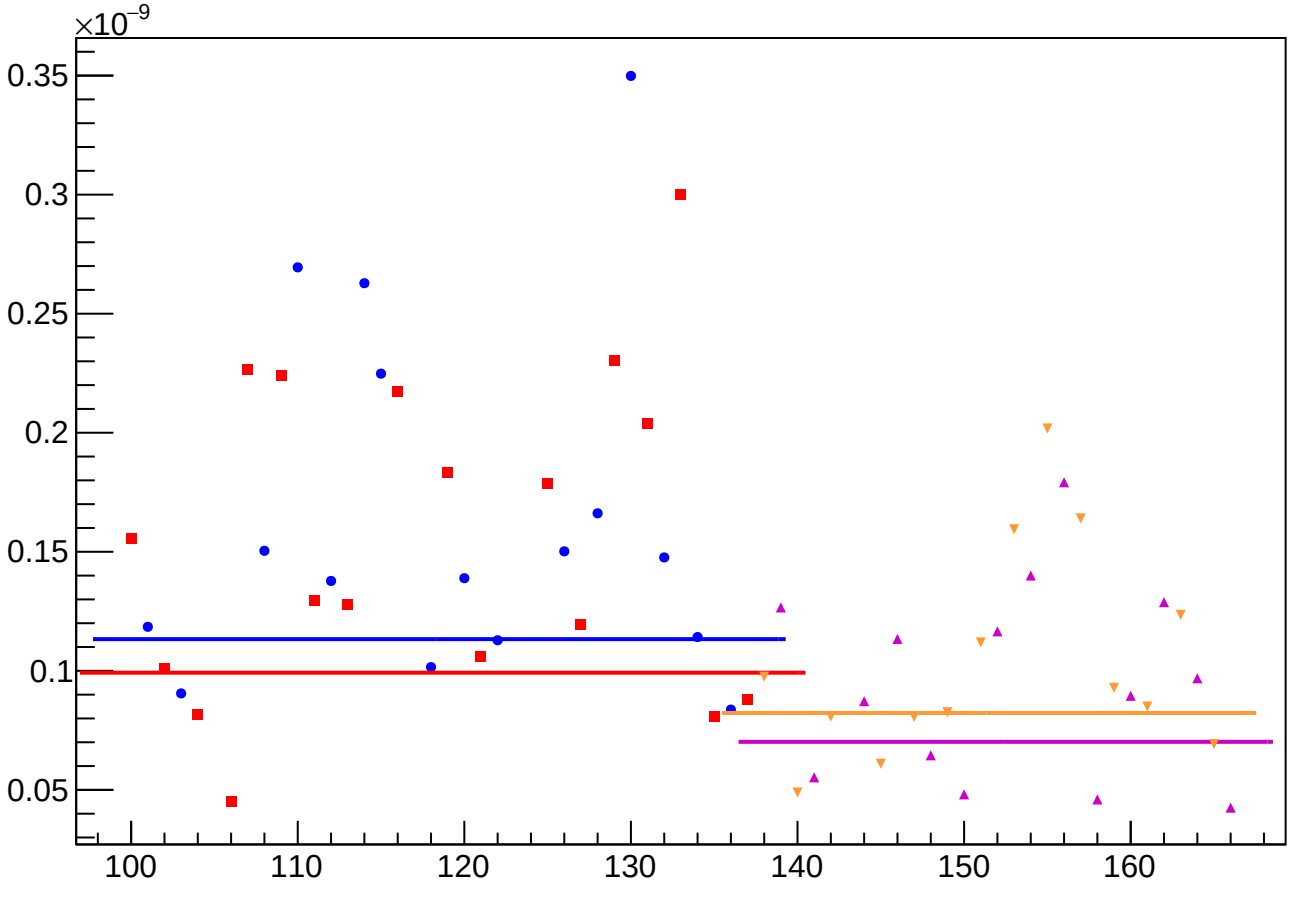
160
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:18.2/13
Left: 0.000+/-0.000 χ²/NDF: 40.0/27
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:29.5/29
Out: 0.000+/-0.000 χ²/NDF:47.6/31
All: 0.000+/-0.000 χ²/NDF: 81.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1129423.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1508541.1/13

Left: 0.000+/-0.000 χ^2/NDF: 2732818.7/27

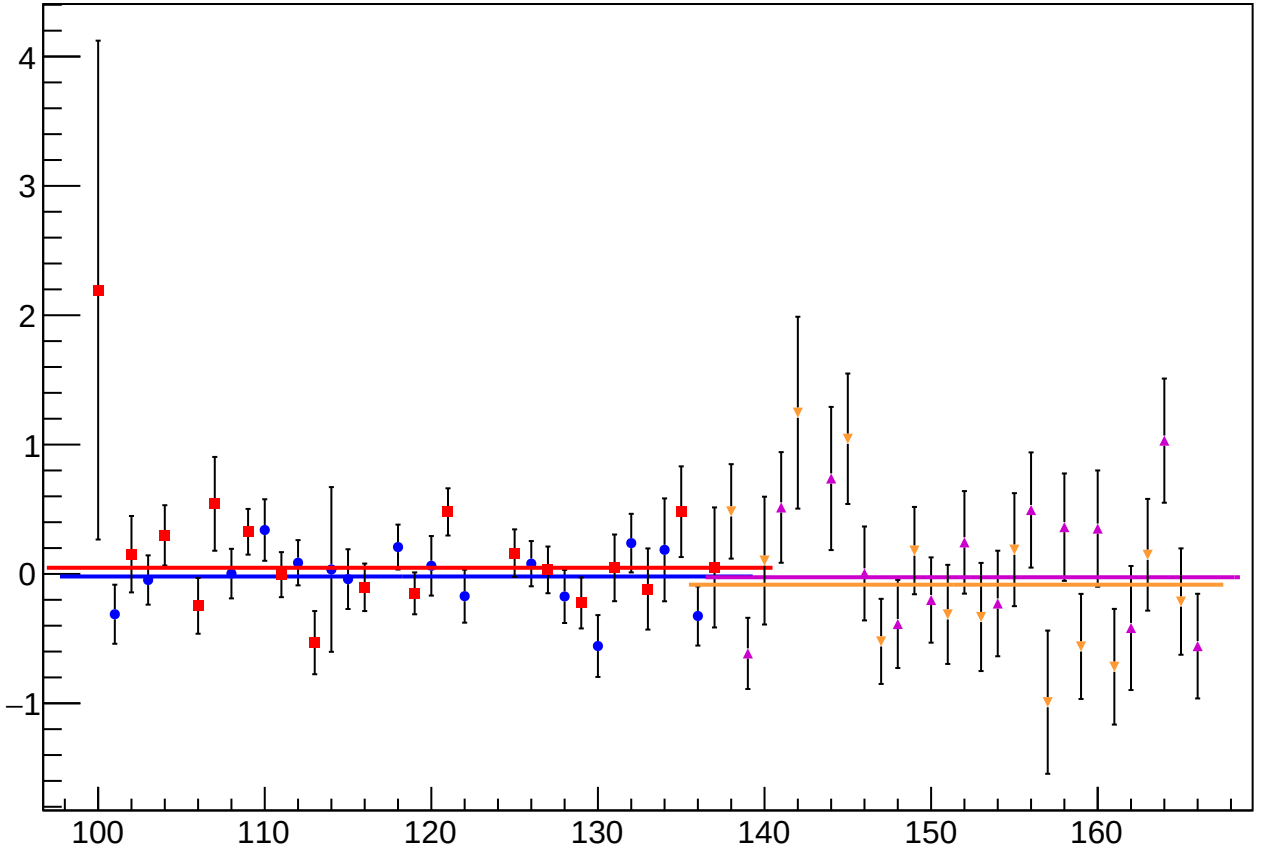
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2752819.8/29

Out: 0.000+/-0.000 χ^2/NDF:2324876.2/31

All: 0.000+/-0.000 χ^2/NDF: 5128963.4/61

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

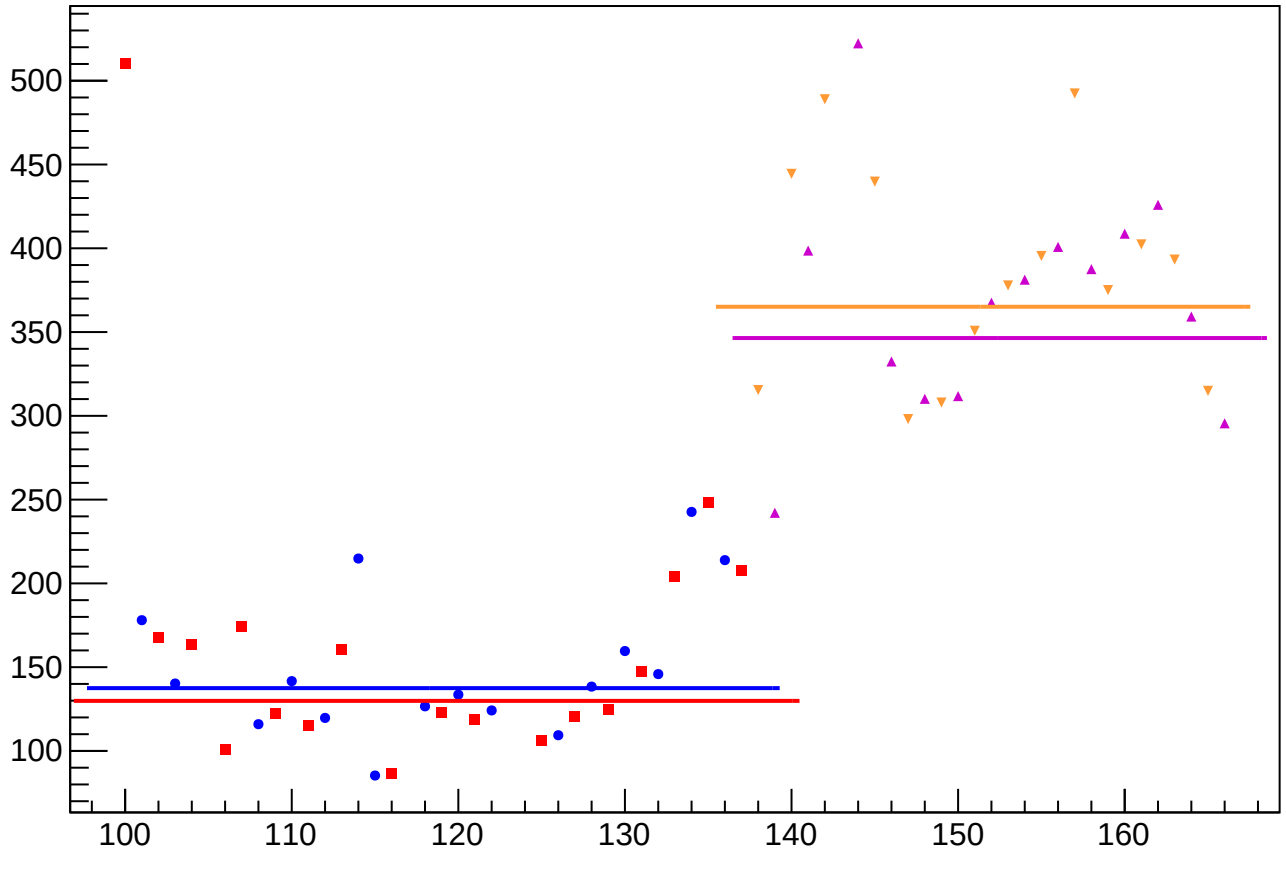
Left: -0.052+/-0.077 χ^2/NDF: 41.2/27

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.002+/-0.034 χ^2/NDF: 85.0/61



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 365.100+/-0.080 χ^2/NDF:502062.4/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 346.430+/-0.074 χ^2/NDF:763277.6/13

Left: 355.125+/-0.054 χ^2/NDF: 1294665.1/27

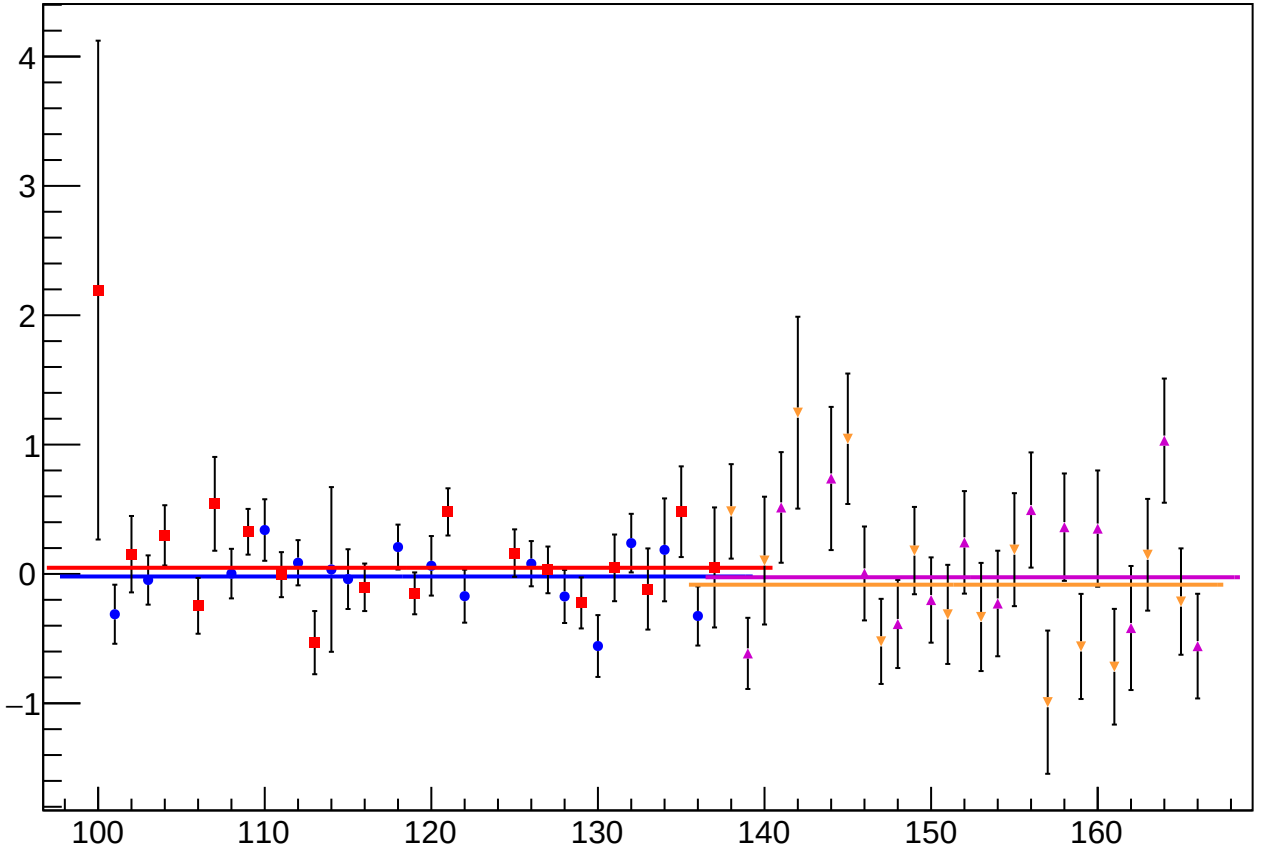
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 181.318+/-0.034 χ^2/NDF:7688962.8/29

Out: 171.820+/-0.034 χ^2/NDF:8494482.0/31

All: 176.509+/-0.024 χ^2/NDF: 16222781.6/61

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

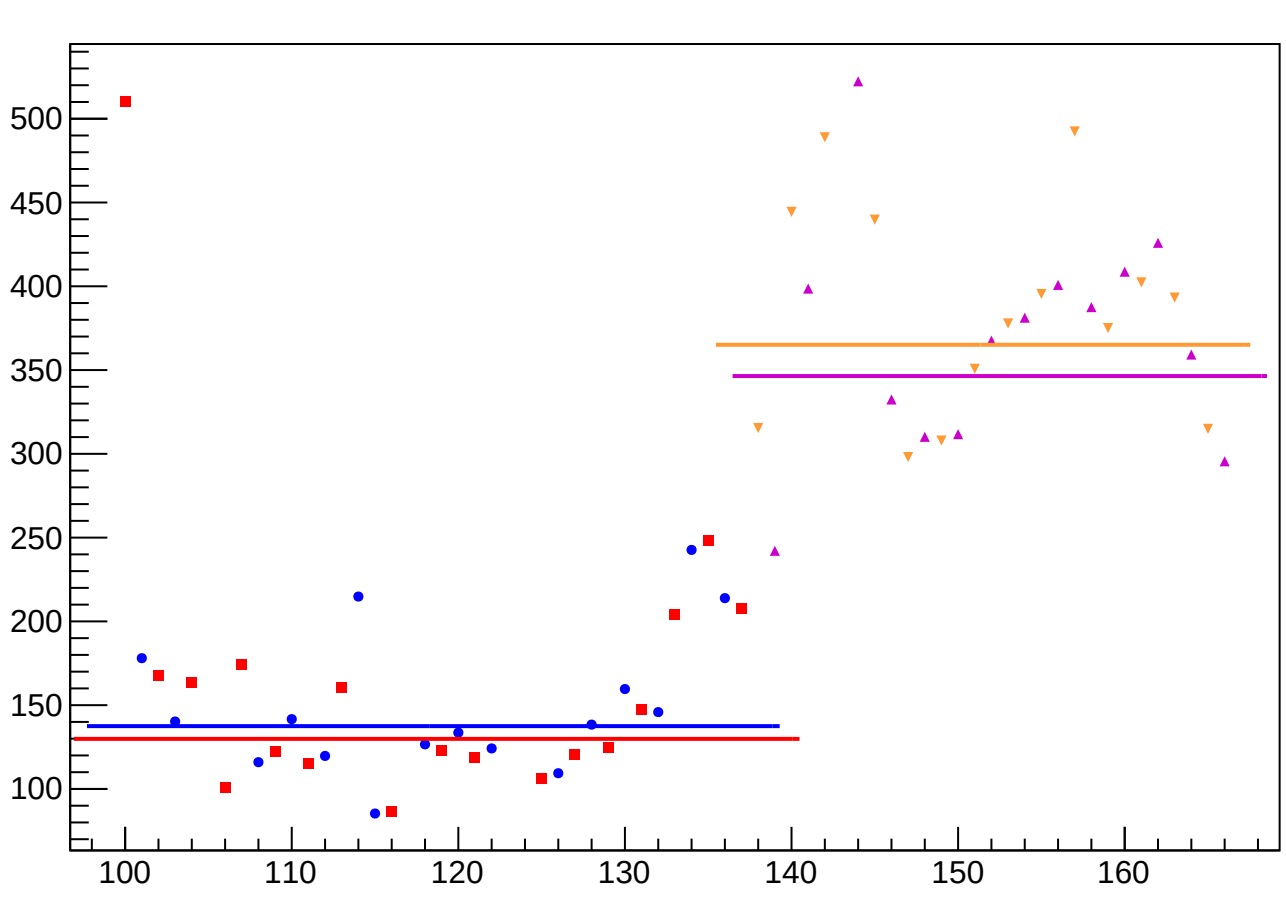
Left: -0.052+/-0.077 χ^2/NDF: 41.2/27

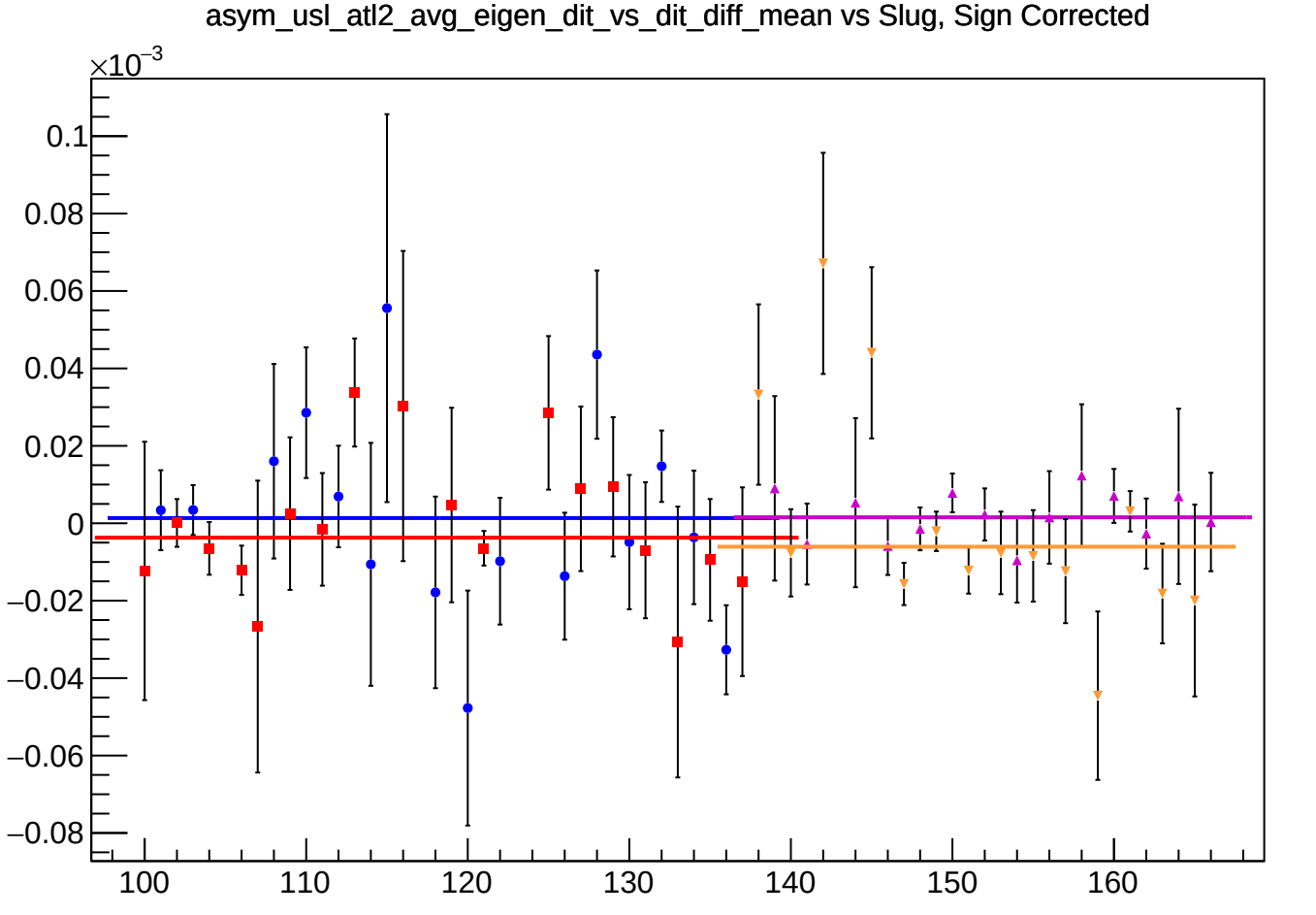
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

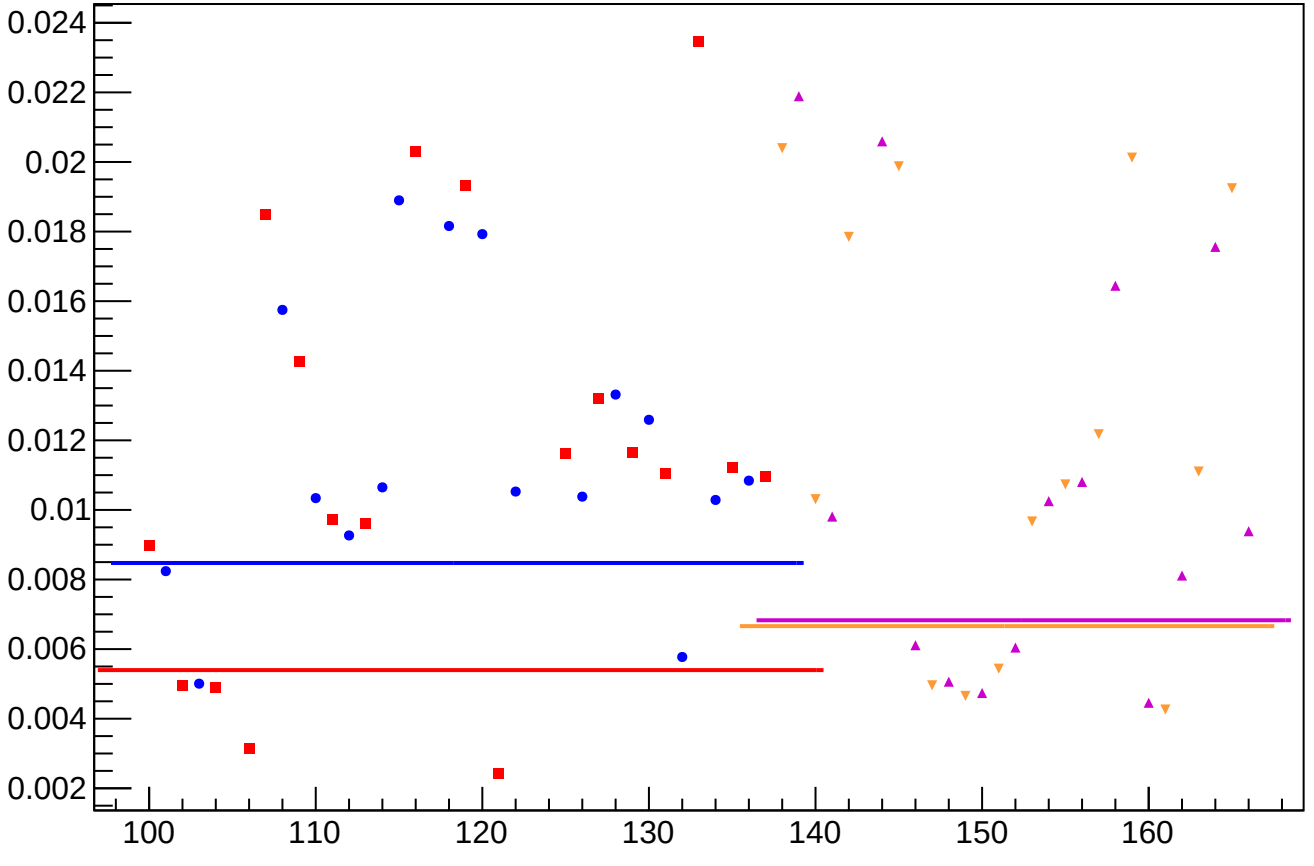
Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.002+/-0.034 χ^2/NDF: 85.0/61


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 365.100+/-0.080 χ²/NDF:502062.4/13
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 346.430+/-0.074 χ²/NDF:763277.6/13
Left: 355.125+/-0.054 χ²/NDF: 1294665.1/27
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 181.318+/-0.034 χ²/NDF:7688962.8/29
Out: 171.820+/-0.034 χ²/NDF:8494482.0/31
All: 176.509+/-0.024 χ²/NDF: 16222781.6/61


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:27.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:5.7/13
Left: -0.000+/-0.000 χ²/NDF: 38.0/27
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:29.7/29
Out: -0.000+/-0.000 χ²/NDF:43.3/31
All: -0.000+/-0.000 χ²/NDF: 79.2/61

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:5190611.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4118998.4/13

Left: 0.007+/-0.000 χ^2/NDF: 9314845.2/27

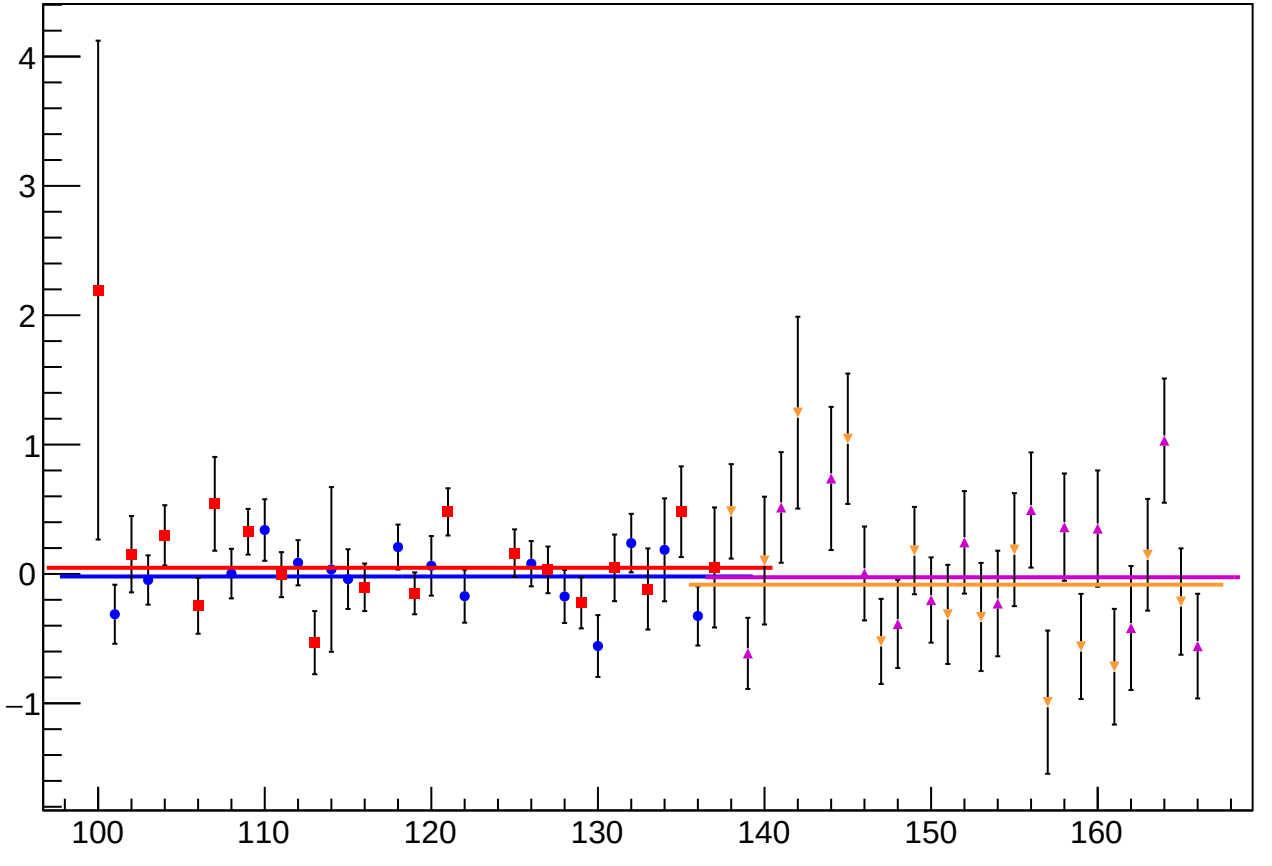
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:6358284.3/29

Out: 0.006+/-0.000 χ^2/NDF:10367974.4/31

All: 0.007+/-0.000 χ^2/NDF: 17209131.6/61

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

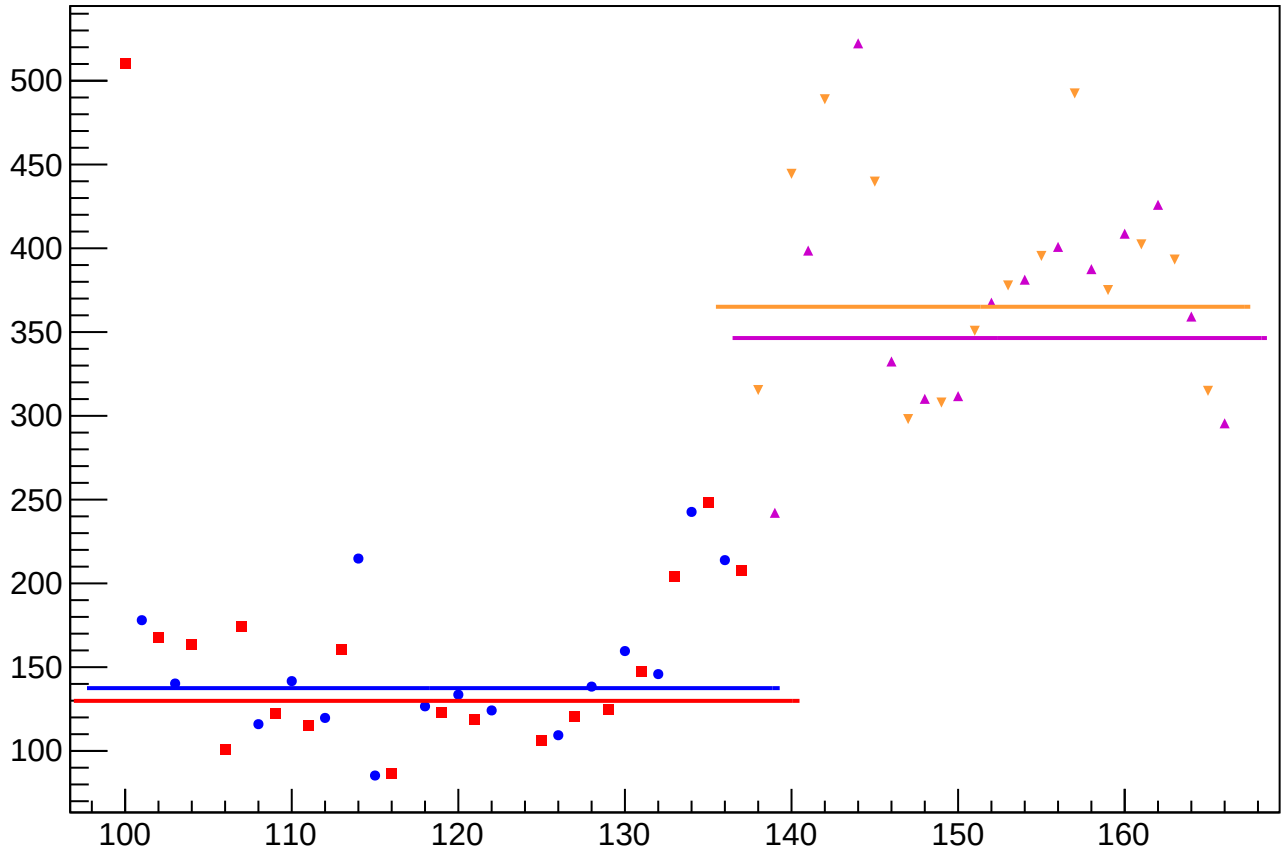
Left: -0.052+/-0.077 χ^2/NDF: 41.2/27

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.002+/-0.034 χ^2/NDF: 85.0/61



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 365.105+/-0.080 χ^2/NDF:502095.3/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 346.436+/-0.074 χ^2/NDF:763271.8/13

Left: 355.130+/-0.054 χ^2/NDF: 1294690.4/27

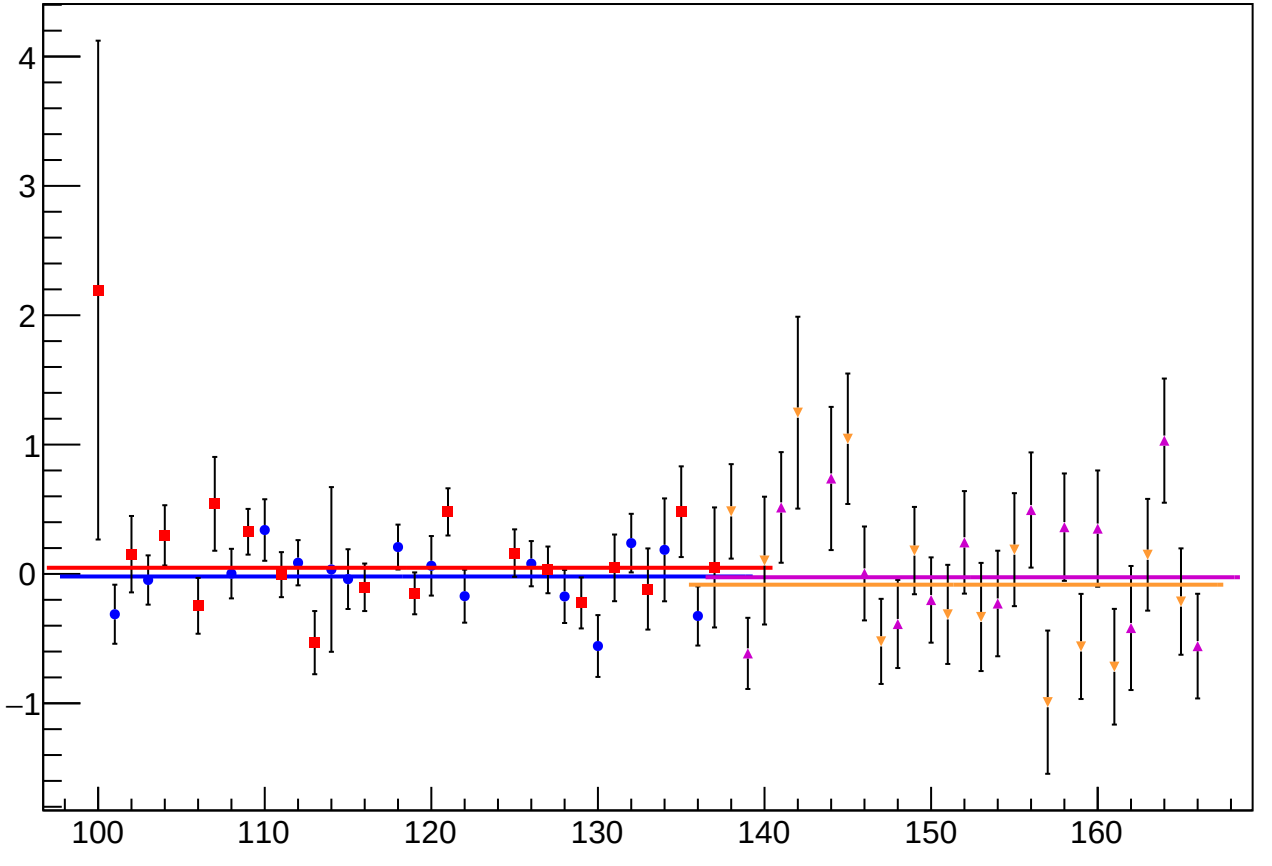
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 181.317+/-0.034 χ^2/NDF:7689108.5/29

Out: 171.820+/-0.034 χ^2/NDF:8494608.0/31

All: 176.509+/-0.024 χ^2/NDF: 16223053.6/61

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.026+/-0.105 χ^2/NDF:20.4/13

Left: -0.052+/-0.077 χ^2/NDF: 41.2/27

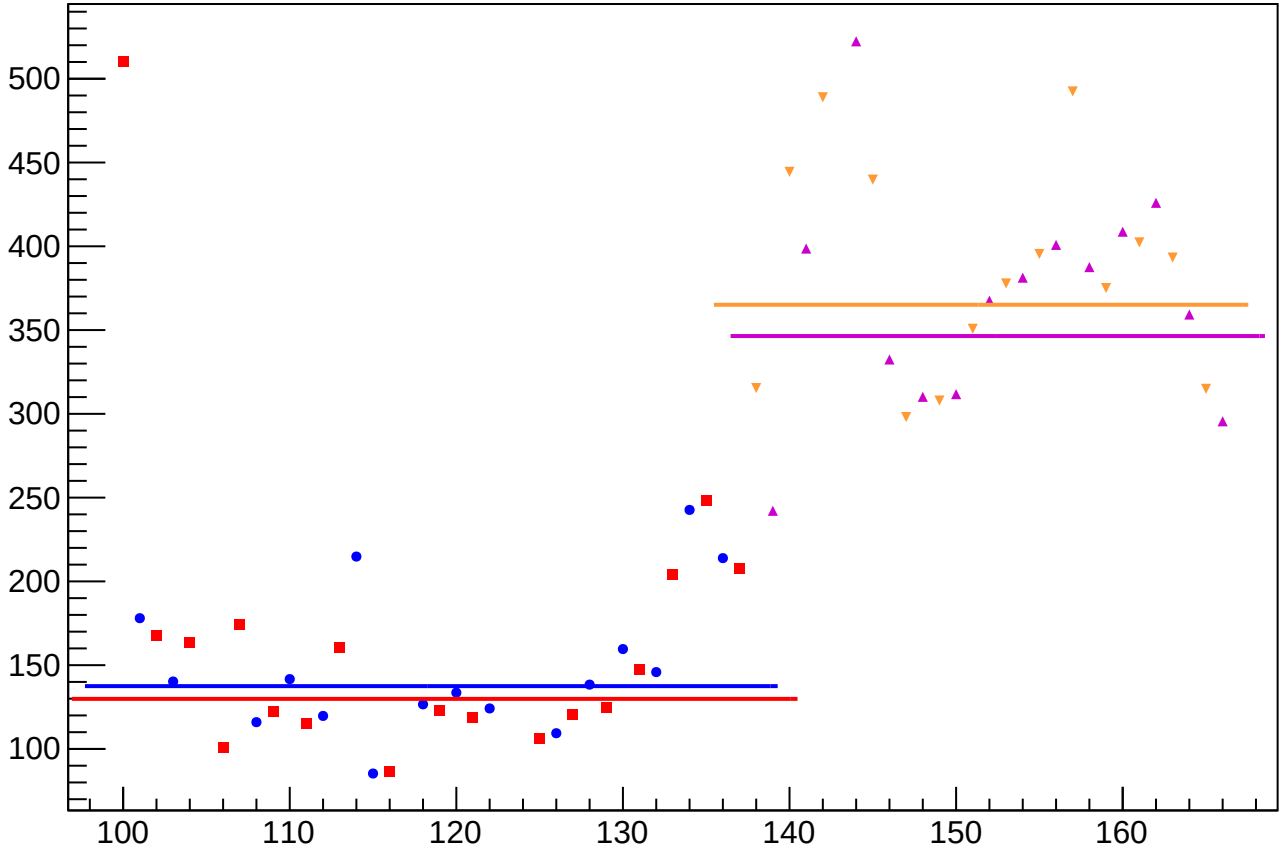
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.021+/-0.048 χ^2/NDF:36.4/29

Out: 0.024+/-0.048 χ^2/NDF:48.1/31

All: 0.002+/-0.034 χ^2/NDF: 85.0/61

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 365.105+/-0.080 χ^2/NDF:502095.3/13

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 346.436+/-0.074 χ^2/NDF:763271.8/13

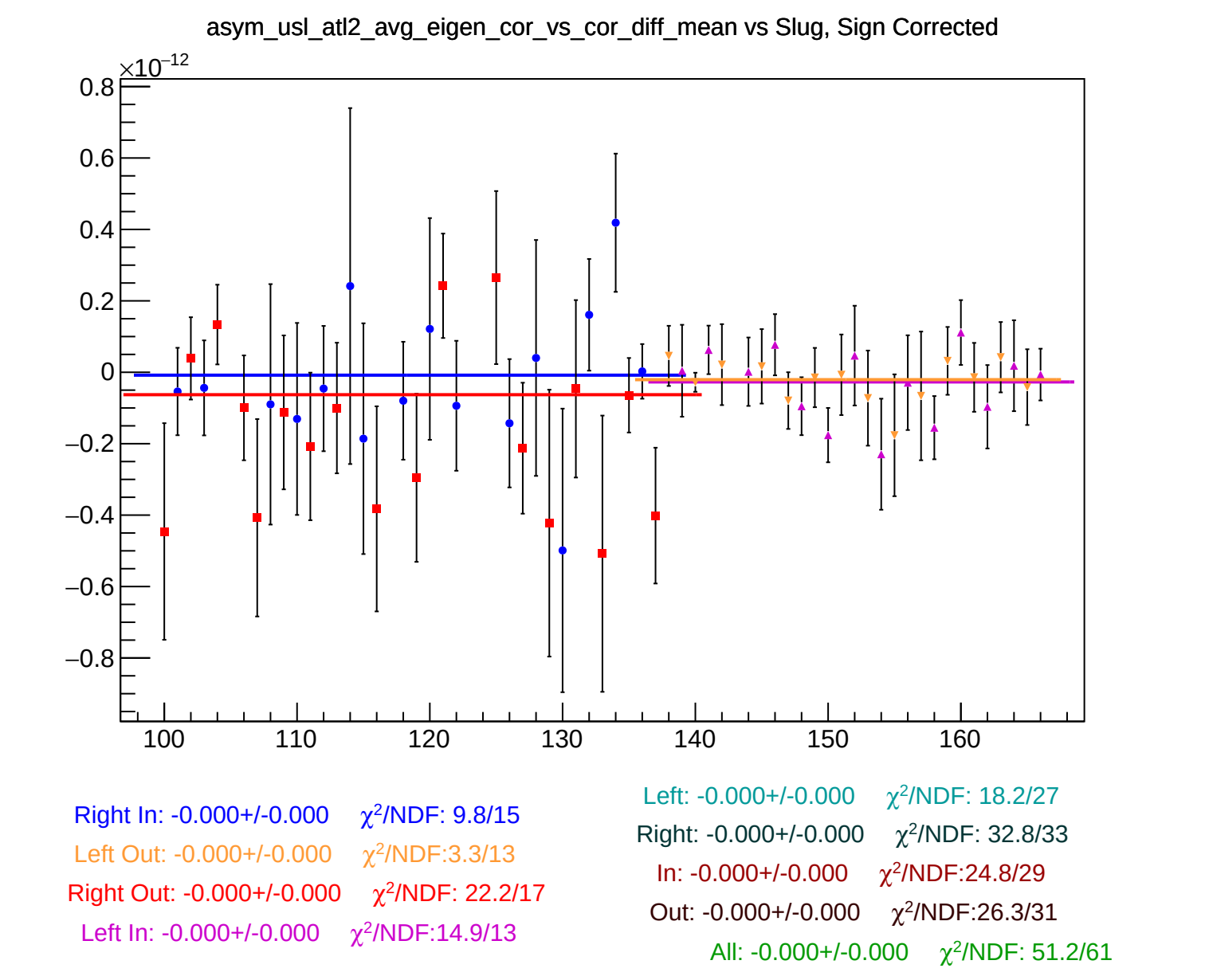
Left: 355.130+/-0.054 χ^2/NDF: 1294690.4/27

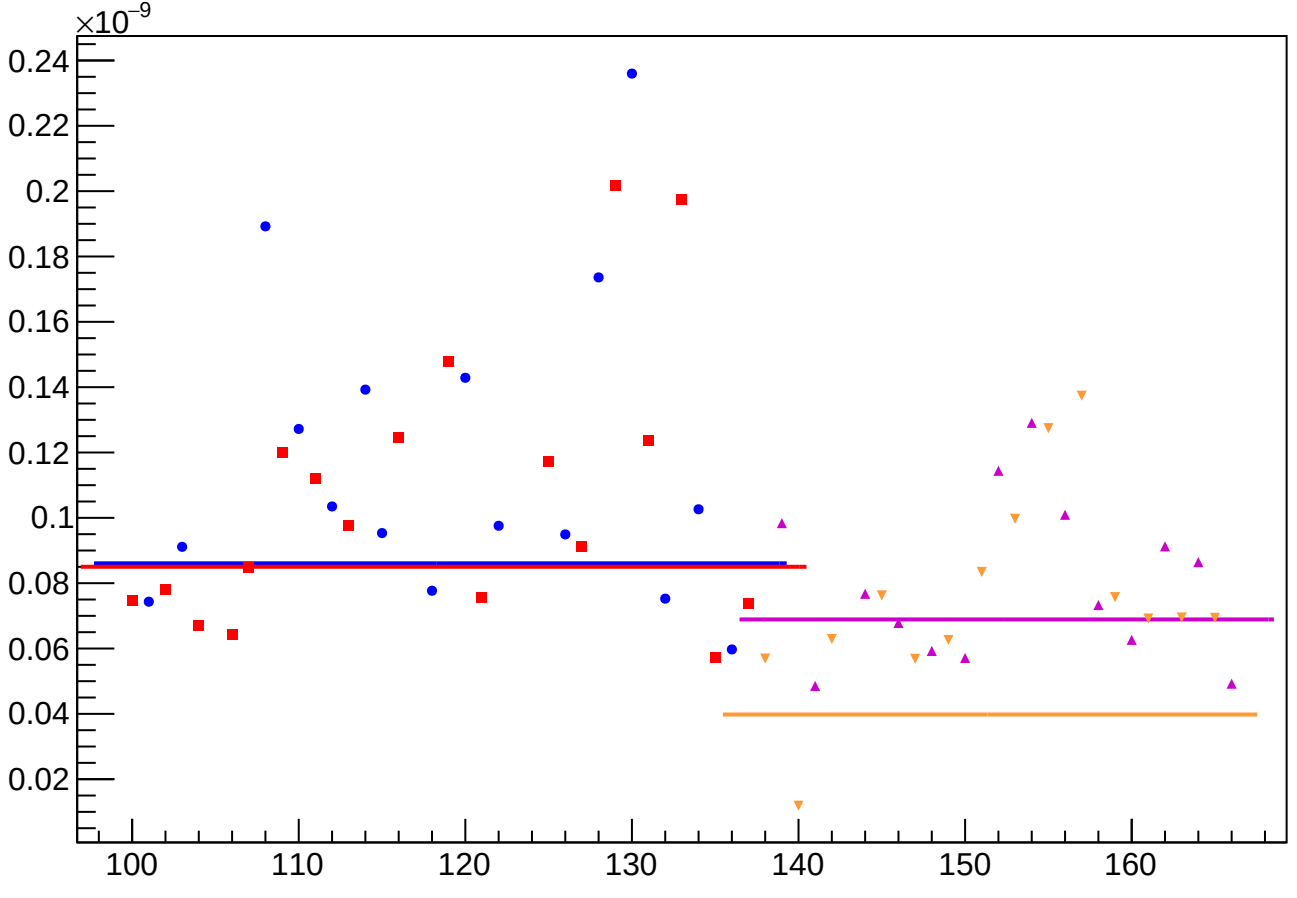
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 181.317+/-0.034 χ^2/NDF:7689108.5/29

Out: 171.820+/-0.034 χ^2/NDF:8494608.0/31

All: 176.509+/-0.024 χ^2/NDF: 16223053.6/61


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/13
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.9/13
Left: -0.000+/-0.000 χ²/NDF: 18.2/27
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.8/29
Out: -0.000+/-0.000 χ²/NDF:26.3/31
All: -0.000+/-0.000 χ²/NDF: 51.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5472106.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1276662.5/13

Left: 0.000+/-0.000 χ^2/NDF: 8414623.5/27

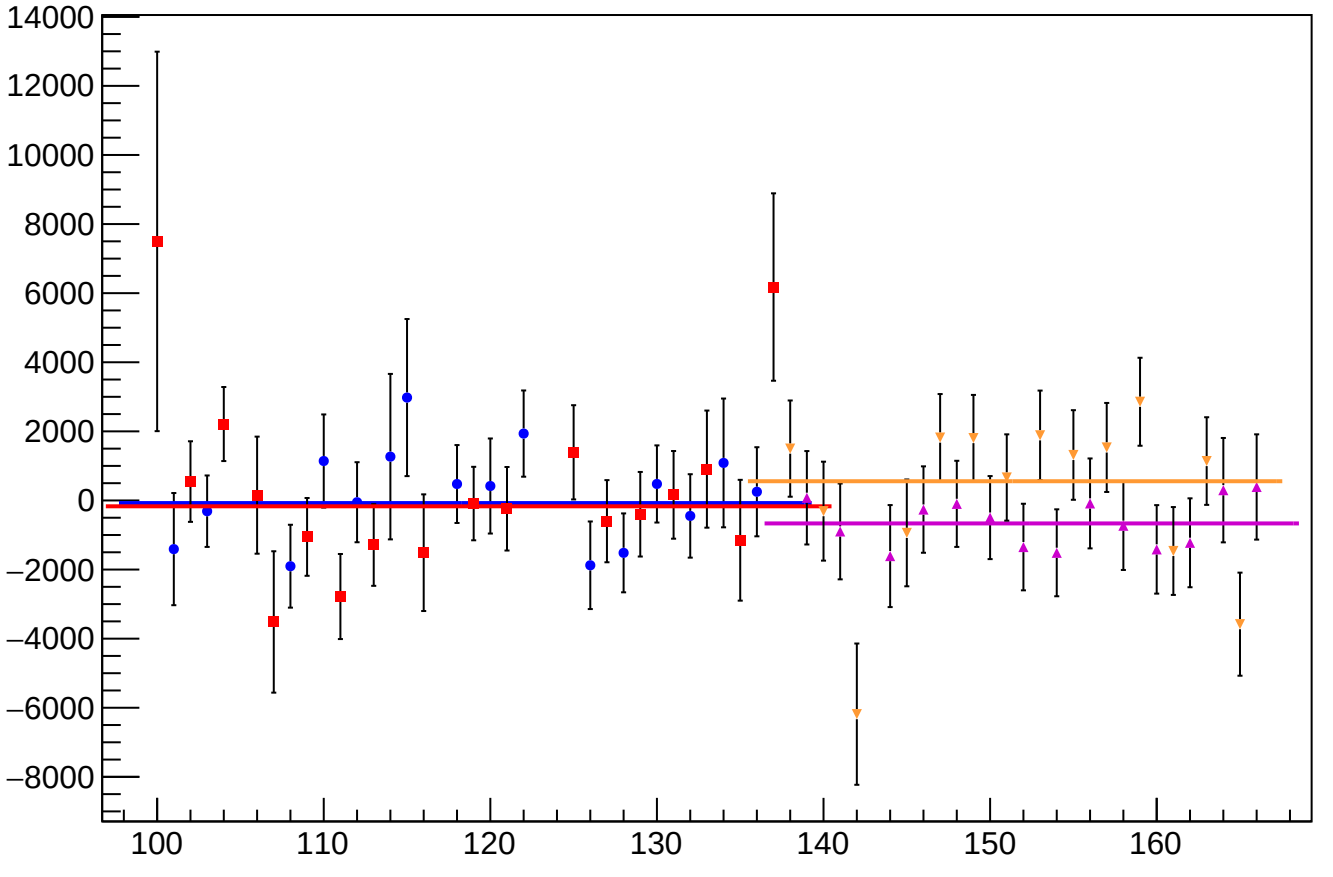
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2590362.9/29

Out: 0.000+/-0.000 χ^2/NDF:8382759.3/31

All: 0.000+/-0.000 χ^2/NDF: 12631841.0/61

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 556.474+/-361.015 χ^2/NDF:30.3/13

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -664.915+/-352.413 χ^2/NDF:3.4/13

Left: -68.946+/-252.180 χ^2/NDF: 39.6/27

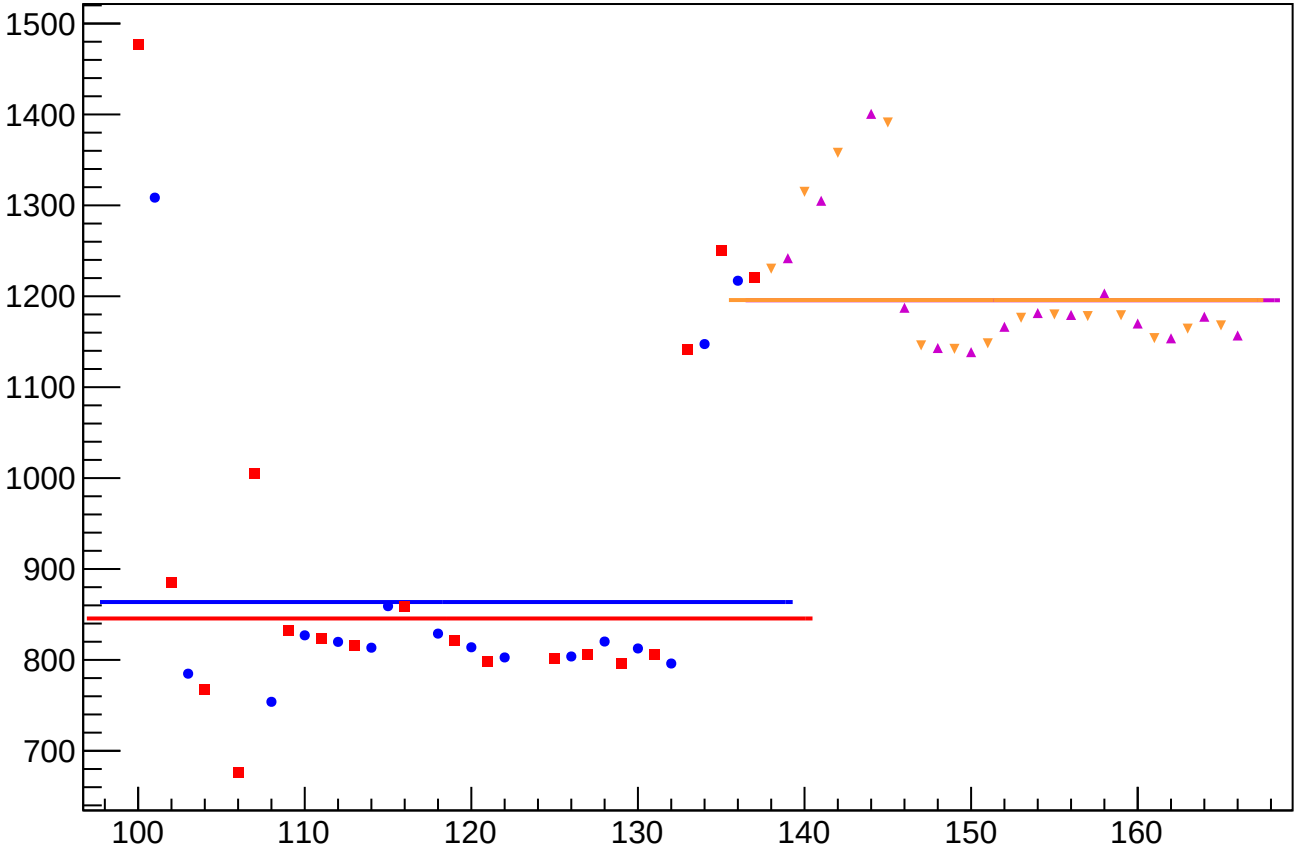
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -347.737+/-239.400 χ^2/NDF:18.3/29

Out: 152.047+/-240.231 χ^2/NDF:56.9/31

All: -98.711+/-169.574 χ^2/NDF: 77.4/61

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1195.601+/-0.249 χ^2/NDF:67723.1/13

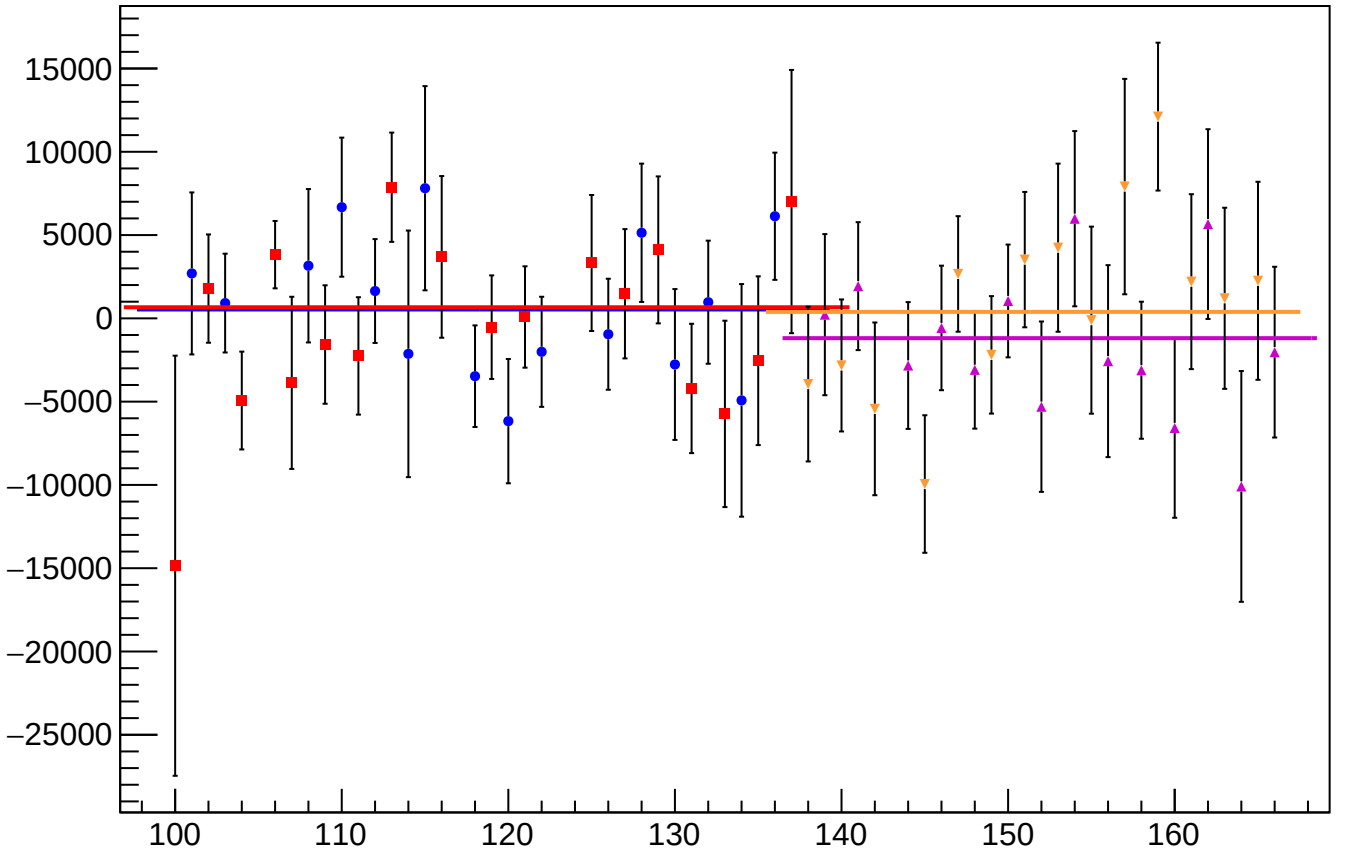
Left: 1195.717+/-0.178 χ^2/NDF: 142552.8/27

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1016.842+/-0.169 χ^2/NDF:1430775.5/29

Out: 998.527+/-0.169 χ^2/NDF:1443127.5/31

All: 1007.653+/-0.119 χ^2/NDF: 2879776.2/61



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 388.525+/-1217.989 χ^2/NDF:19.8/13

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1189.138+/-1189.938 χ^2/NDF:8.6/13

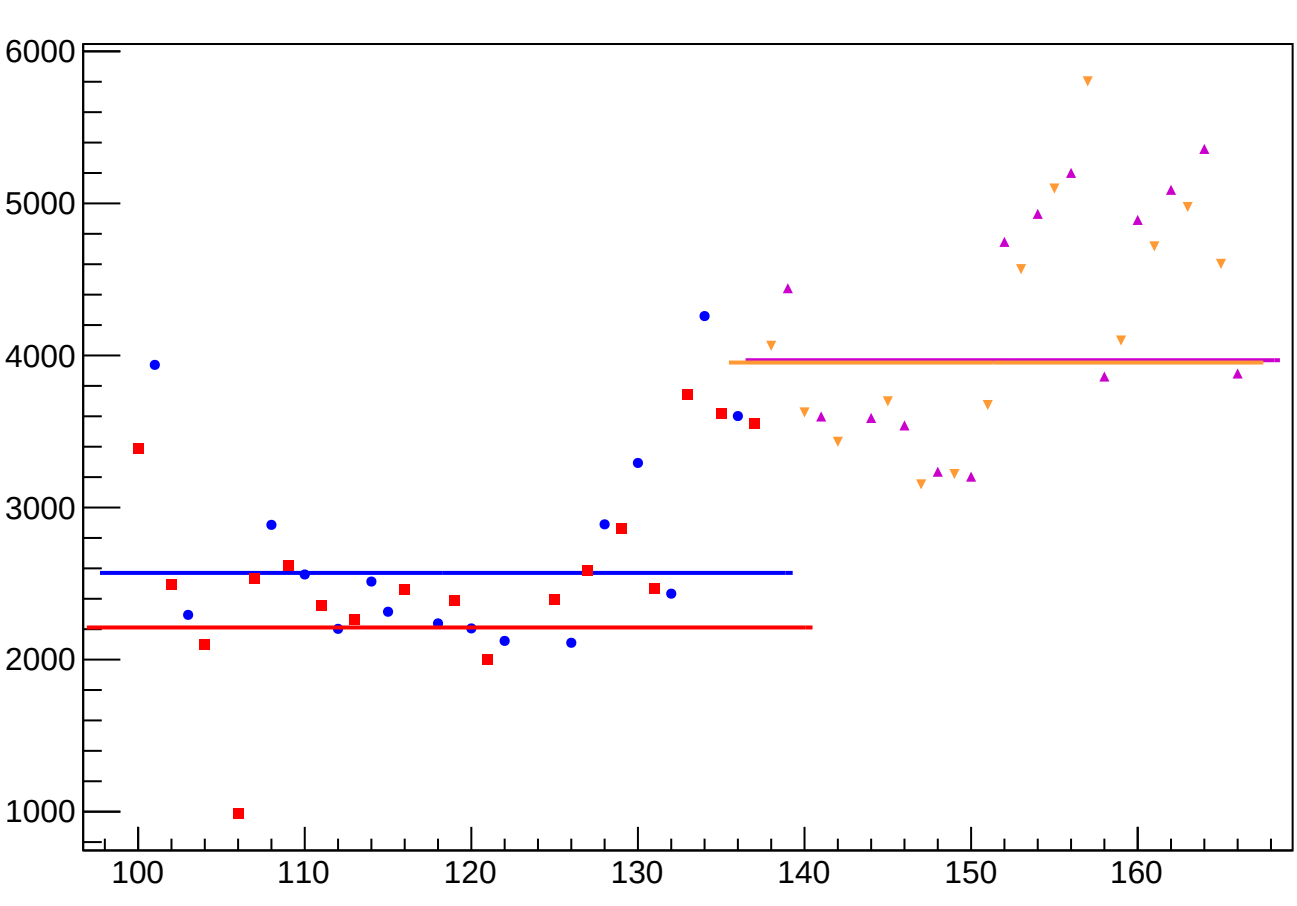
Left: -418.683+/-851.157 χ^2/NDF: 29.2/27

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -163.195+/-757.069 χ^2/NDF:24.5/29

Out: 572.895+/-705.228 χ^2/NDF:39.8/31

All: 230.913+/-516.026 χ^2/NDF: 64.8/61



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3953.508+/-0.861 χ^2/NDF:660720.9/13

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3968.769+/-0.841 χ^2/NDF:695465.9/13

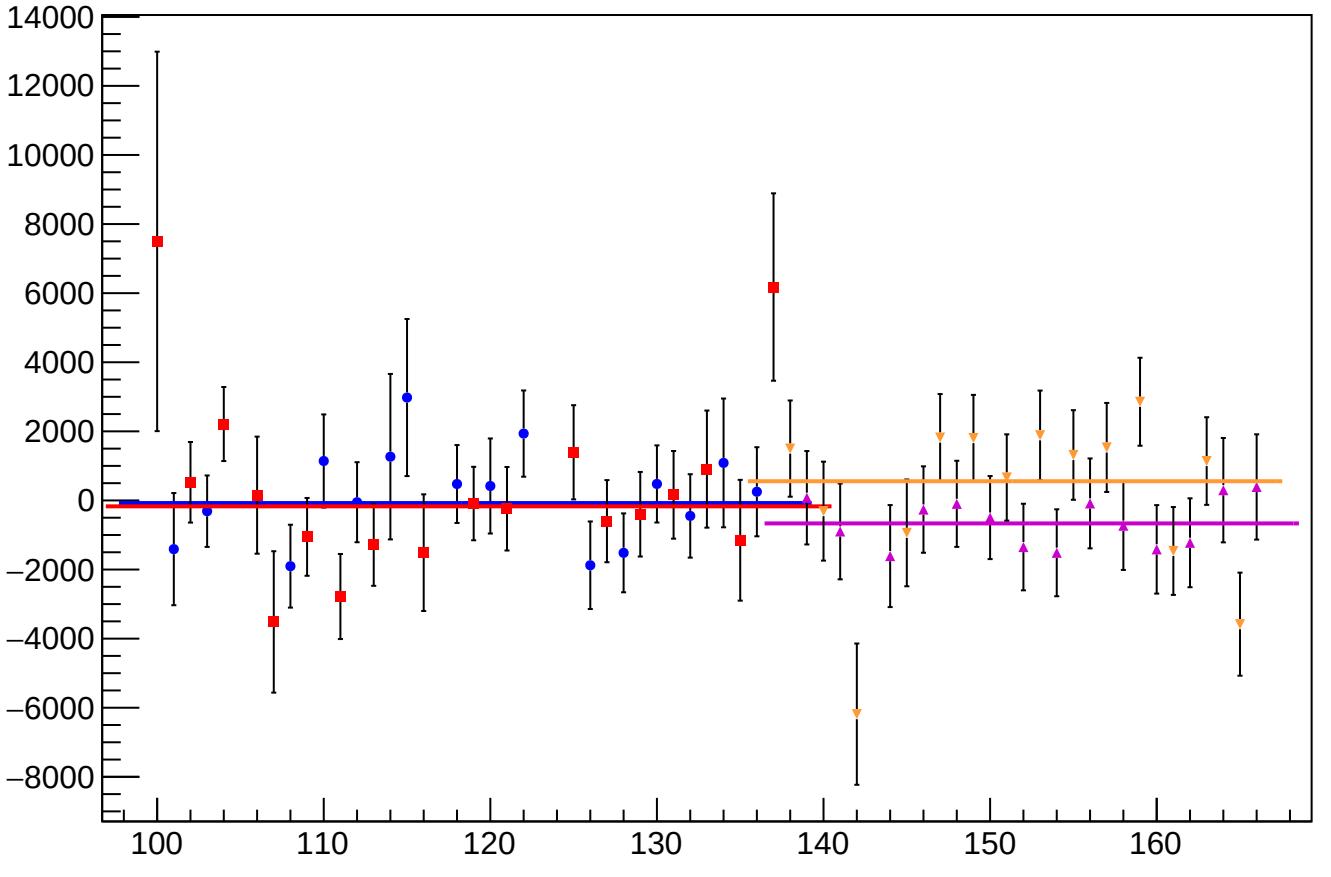
Left: 3961.316+/-0.602 χ^2/NDF: 1356347.4/27

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3136.278+/-0.535 χ^2/NDF:3002561.7/29

Out: 2795.359+/-0.499 χ^2/NDF:4645099.6/31

All: 2953.748+/-0.365 χ^2/NDF: 7864803.5/61



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -664.936+/-352.413 χ^2/NDF:3.4/13

Left: -68.984+/-252.180 χ^2/NDF: 39.6/27

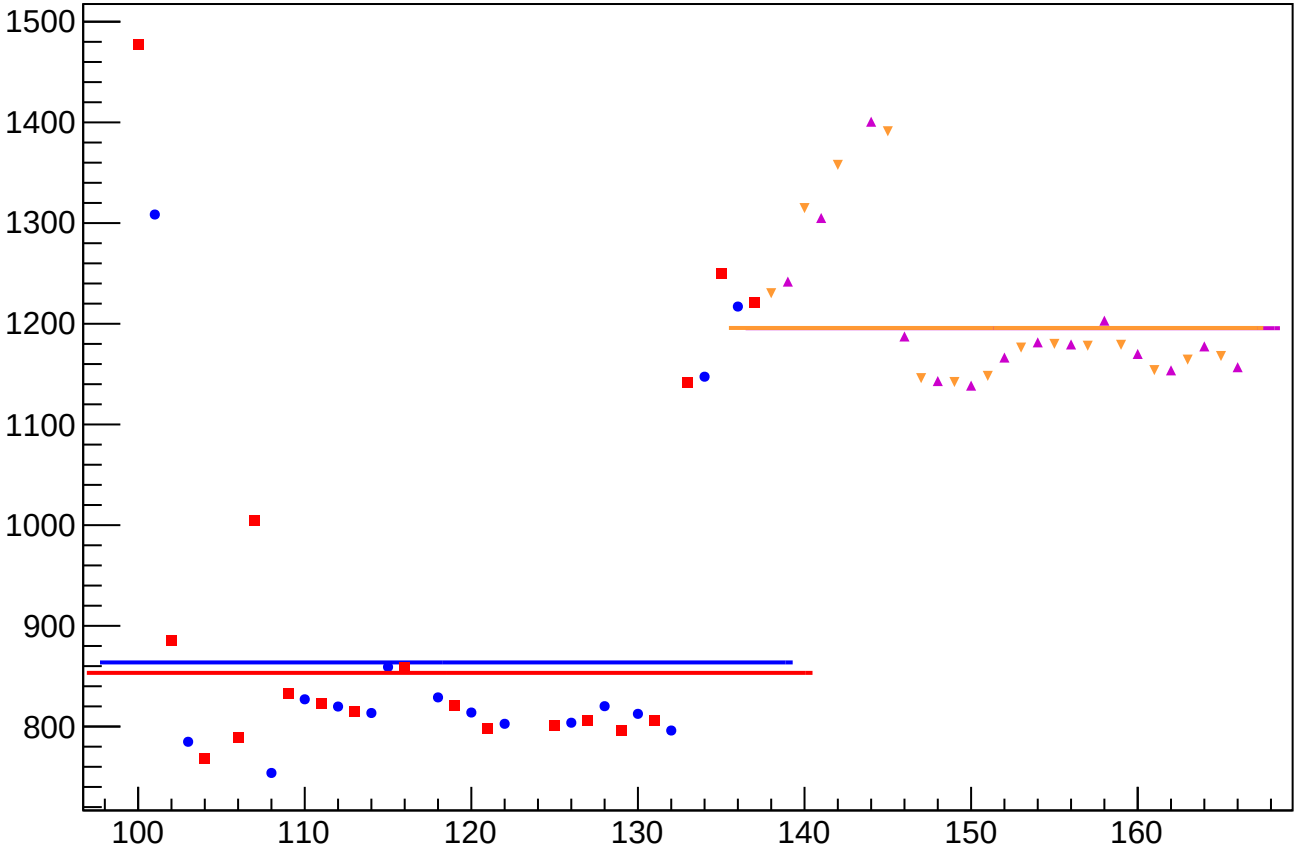
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -347.789+/-239.400 χ^2/NDF:18.3/29

Out: 151.116+/-240.233 χ^2/NDF:56.9/31

All: -99.203+/-169.575 χ^2/NDF: 77.4/61

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1195.601+/-0.249 χ^2/NDF:67723.1/13

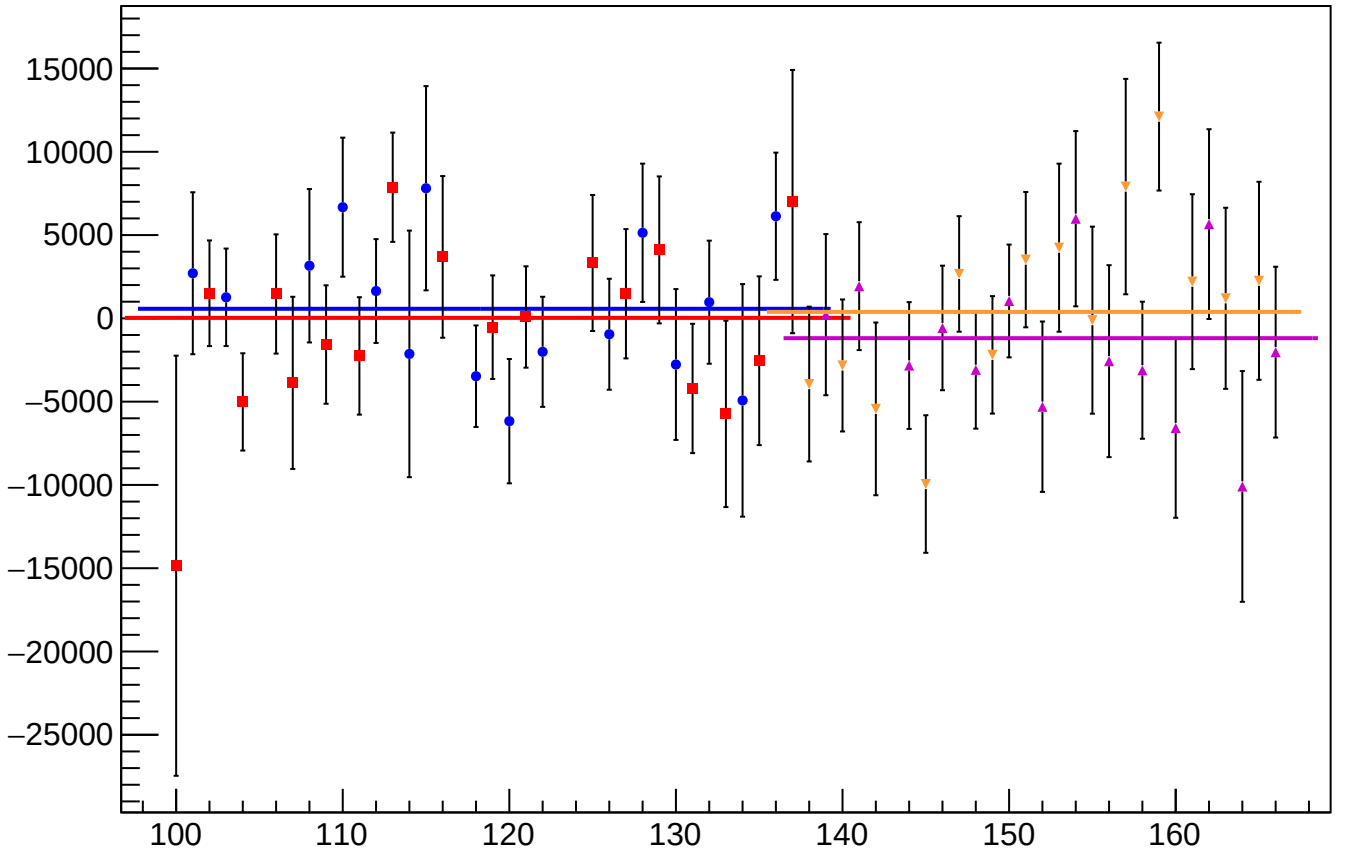
Left: 1195.717+/-0.178 χ^2/NDF: 142552.8/27

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.842+/-0.169 χ^2/NDF:1430775.6/29

Out: 1004.098+/-0.169 χ^2/NDF:1358081.8/31

All: 1010.474+/-0.120 χ^2/NDF: 2791689.6/61



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 388.518+/-1217.988 χ^2/NDF:19.8/13

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1189.180+/-1189.936 χ^2/NDF:8.6/13

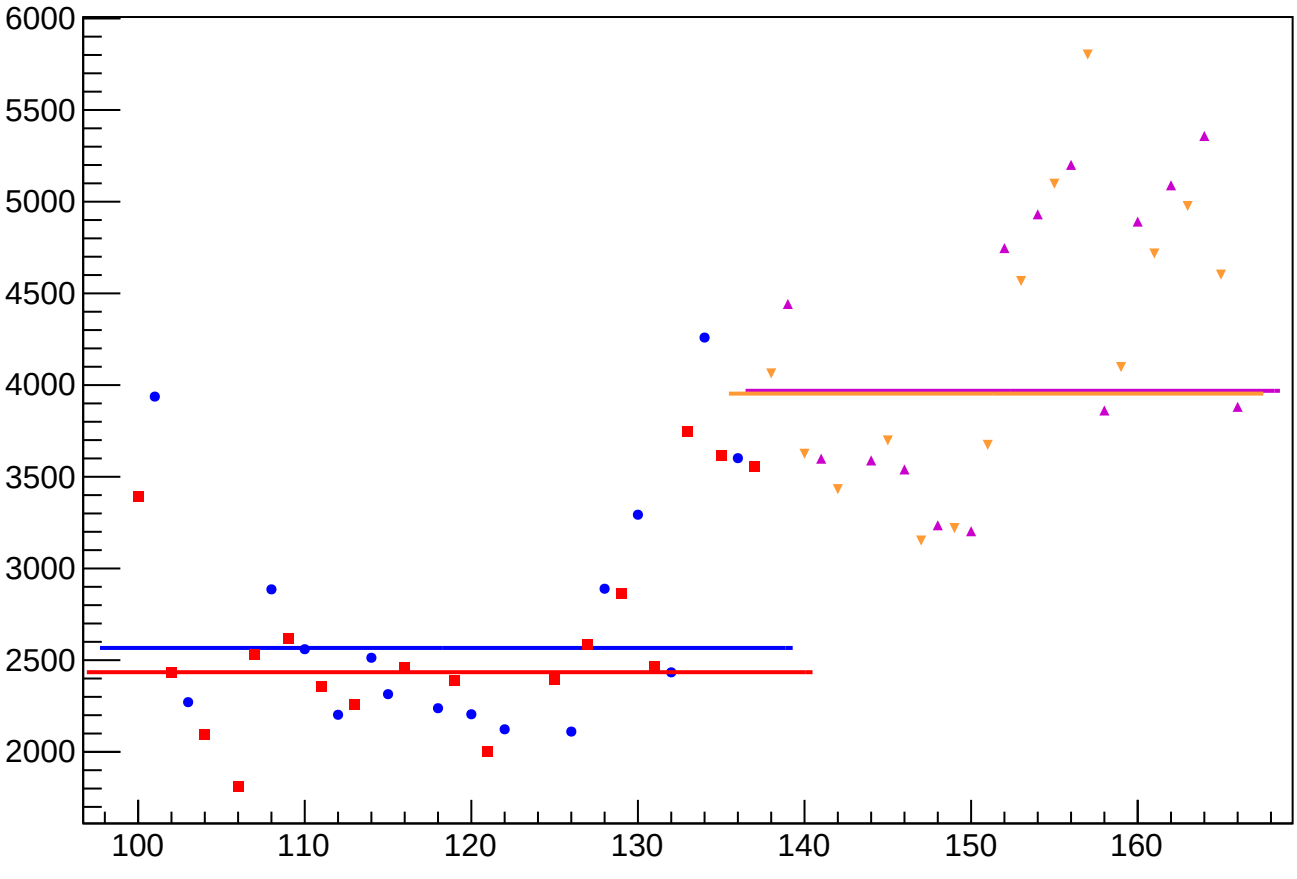
Left: -418.708+/-851.157 χ^2/NDF: 29.2/27

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -137.889+/-756.409 χ^2/NDF:24.6/29

Out: 159.735+/-735.186 χ^2/NDF:37.0/31

All: 15.157+/-527.198 χ^2/NDF: 61.7/61



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3968.764+/-0.841 χ^2/NDF:695468.0/13

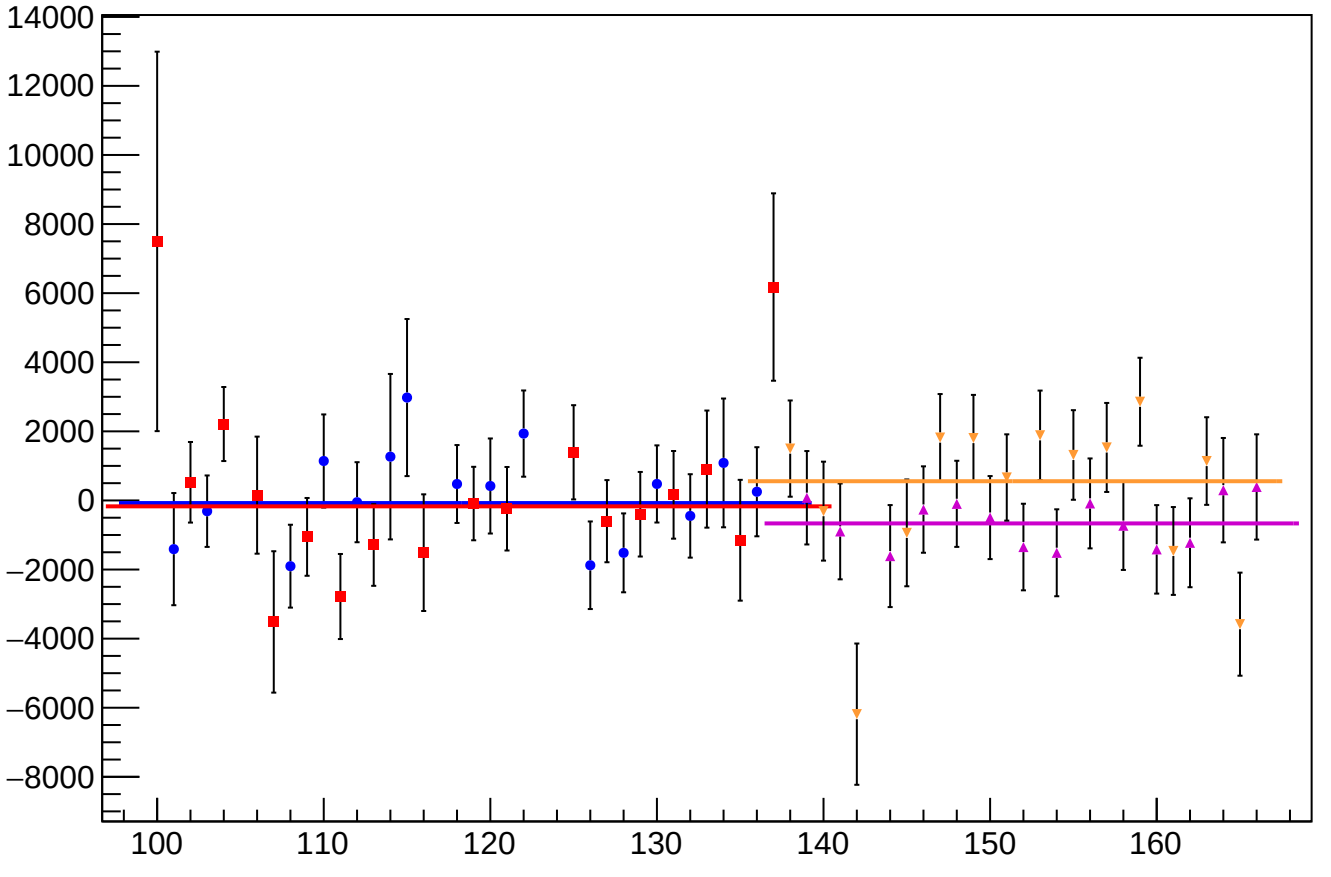
Left: 3961.313+/-0.602 χ^2/NDF: 1356345.4/27

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3133.264+/-0.535 χ^2/NDF:3015916.8/29

Out: 2987.892+/-0.520 χ^2/NDF:3072343.4/31

All: 3058.510+/-0.373 χ^2/NDF: 6126246.8/61



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -664.936+/-352.413 χ^2/NDF:3.4/13

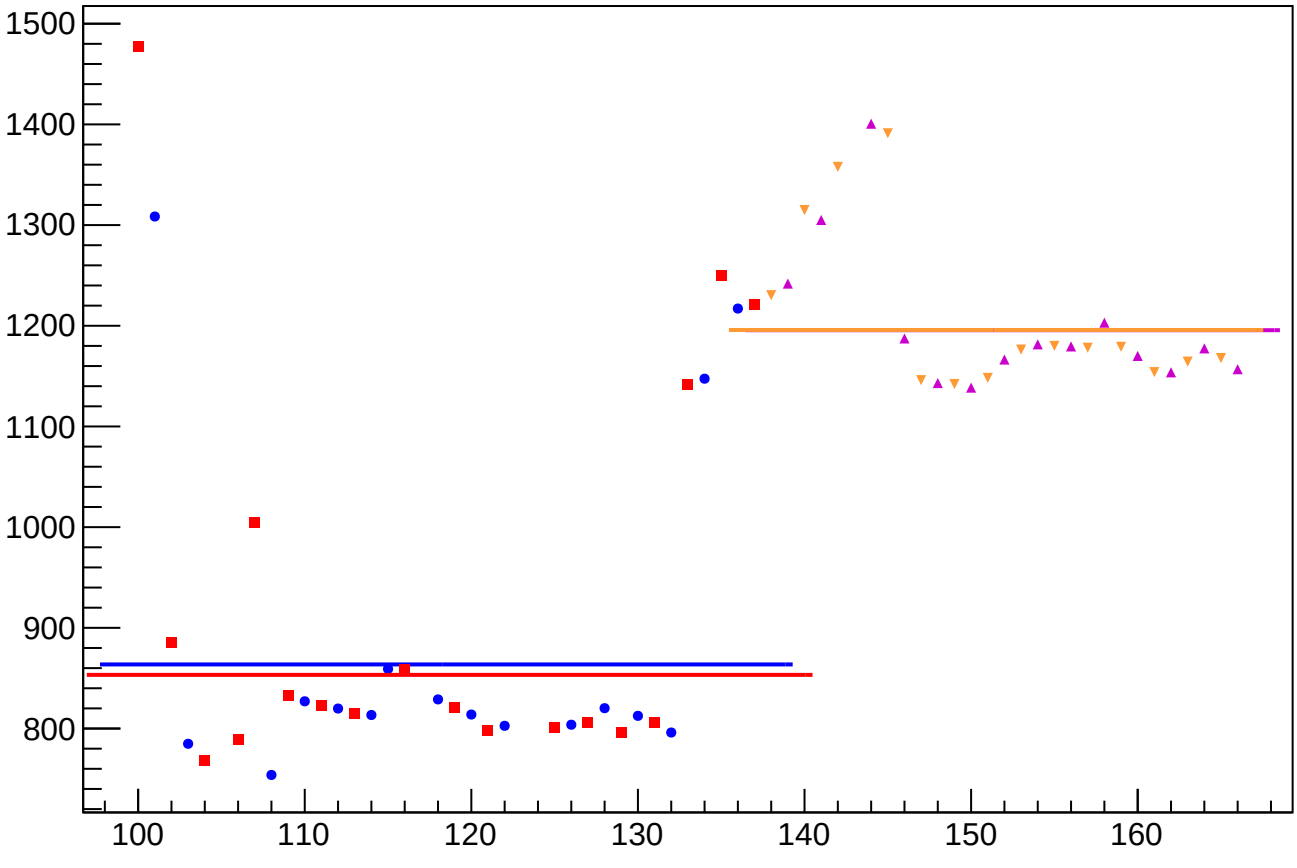
Left: -68.984+/-252.180 χ^2/NDF: 39.6/27

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -347.789+/-239.400 χ^2/NDF:18.3/29

Out: 151.116+/-240.233 χ^2/NDF:56.9/31

All: -99.203+/-169.575 χ^2/NDF: 77.4/61



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1195.601+/-0.249 χ^2/NDF:67723.1/13

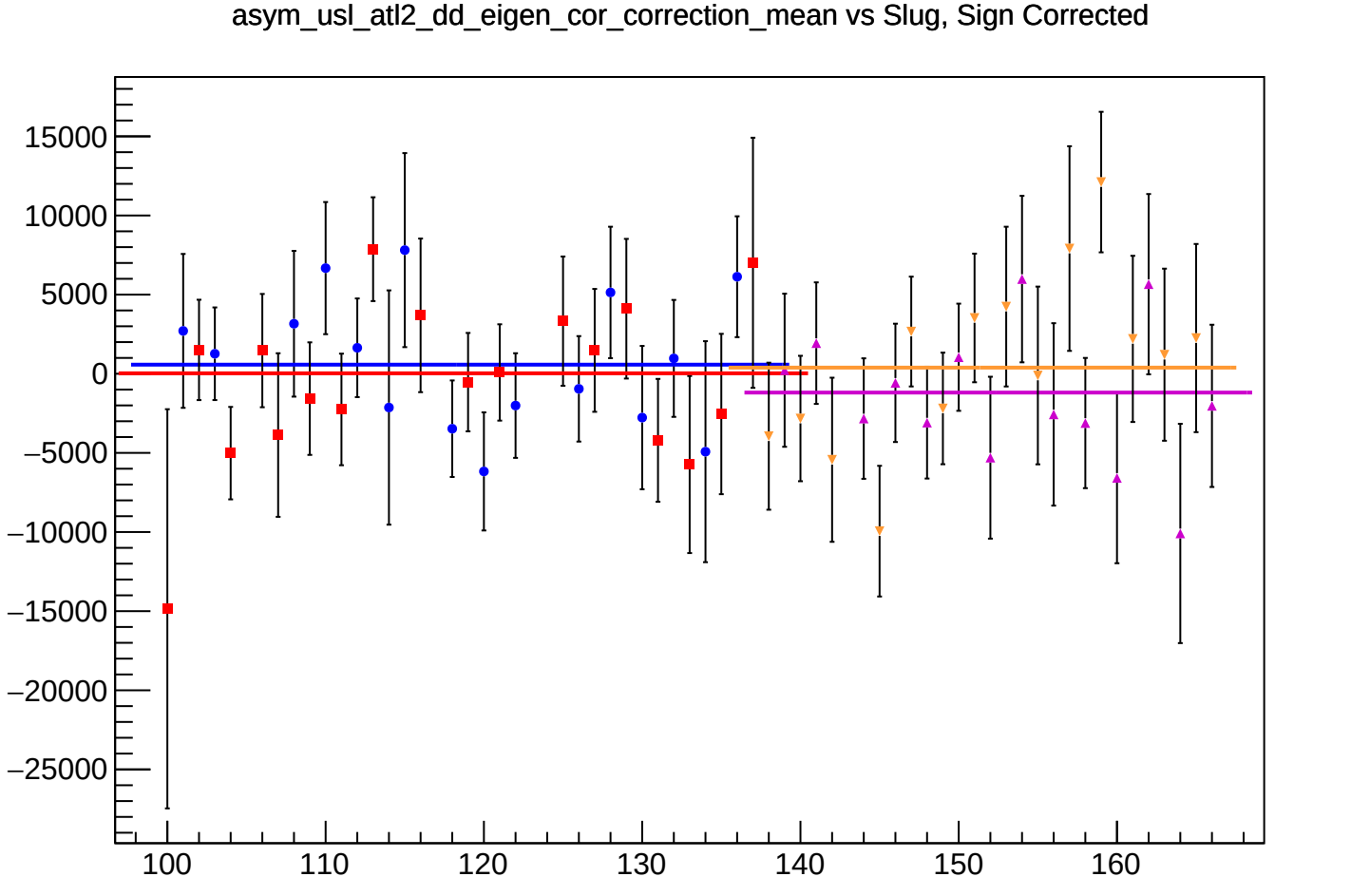
Left: 1195.717+/-0.178 χ^2/NDF: 142552.8/27

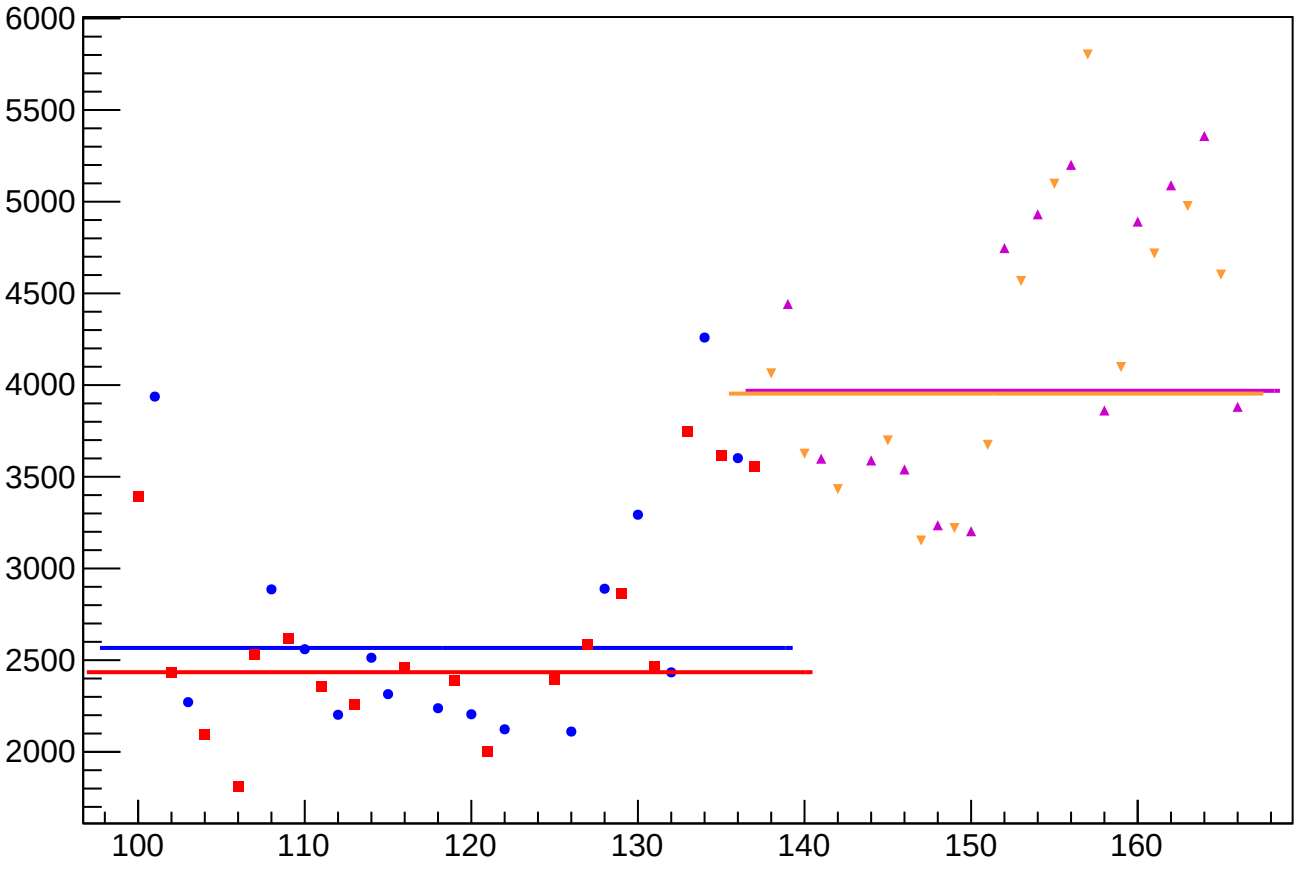
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.842+/-0.169 χ^2/NDF:1430775.6/29

Out: 1004.098+/-0.169 χ^2/NDF:1358081.8/31

All: 1010.474+/-0.120 χ^2/NDF: 2791689.6/61


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 388.518+/-1217.988 χ²/NDF:19.8/13
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -1189.180+/-1189.936 χ²/NDF:8.6/13
Left: -418.708+/-851.157 χ²/NDF: 29.2/27
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -137.889+/-756.409 χ²/NDF:24.6/29
Out: 159.735+/-735.186 χ²/NDF:37.0/31
All: 15.157+/-527.198 χ²/NDF: 61.7/61



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3968.764+/-0.841 χ^2/NDF:695468.0/13

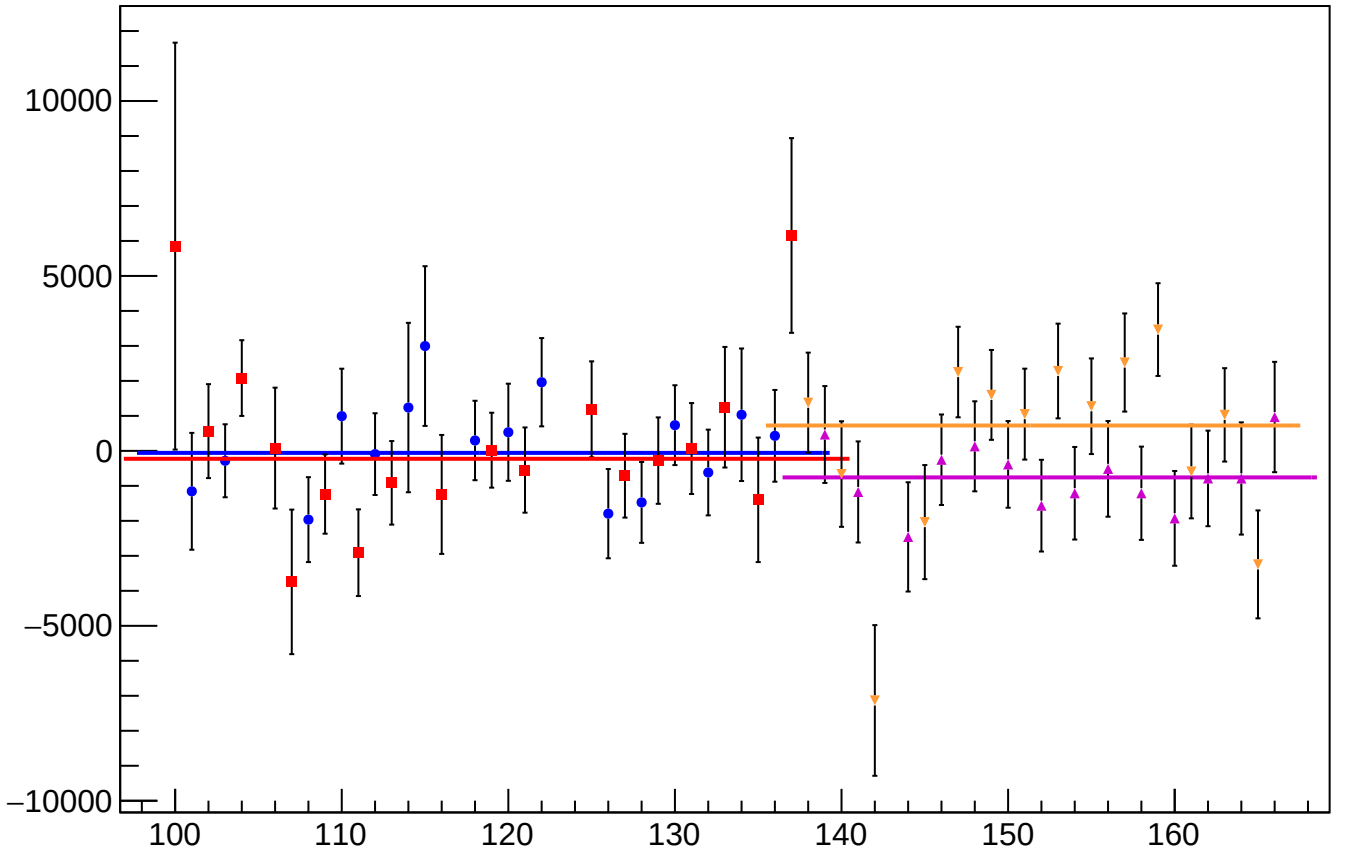
Left: 3961.313+/-0.602 χ^2/NDF: 1356345.4/27

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3133.264+/-0.535 χ^2/NDF:3015916.8/29

Out: 2987.892+/-0.520 χ^2/NDF:3072343.4/31

All: 3058.510+/-0.373 χ^2/NDF: 6126246.8/61



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.150+/-377.602 χ^2/NDF:34.2/13

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -758.201+/-367.905 χ^2/NDF:5.4/13

Left: -35.817+/-263.509 χ^2/NDF: 47.5/27

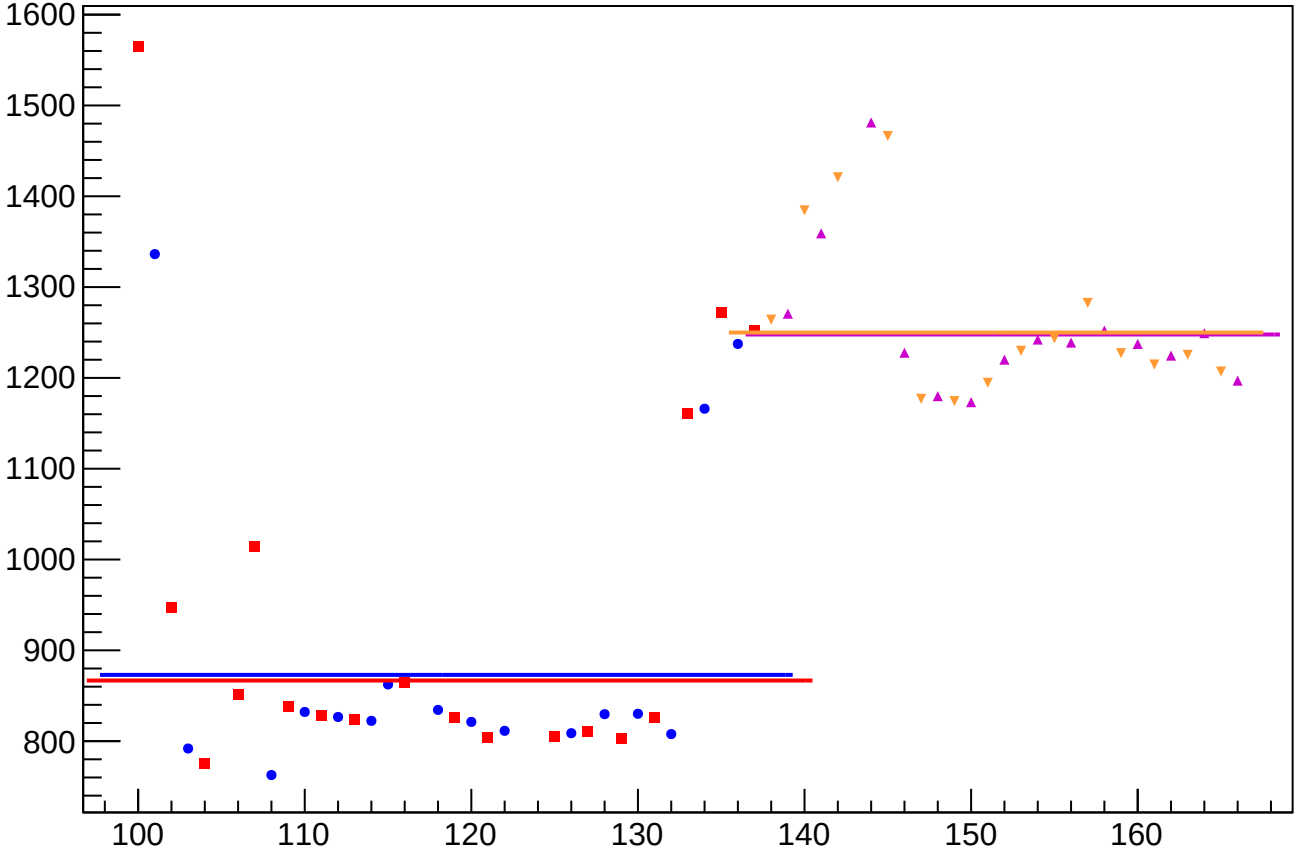
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -369.836+/-245.693 χ^2/NDF:20.4/29

Out: 183.096+/-247.654 χ^2/NDF:60.7/31

All: -95.568+/-174.420 χ^2/NDF: 83.6/61

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1249.961+/-0.267 χ^2/NDF:86601.8/13

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1247.792+/-0.260 χ^2/NDF:74254.0/13

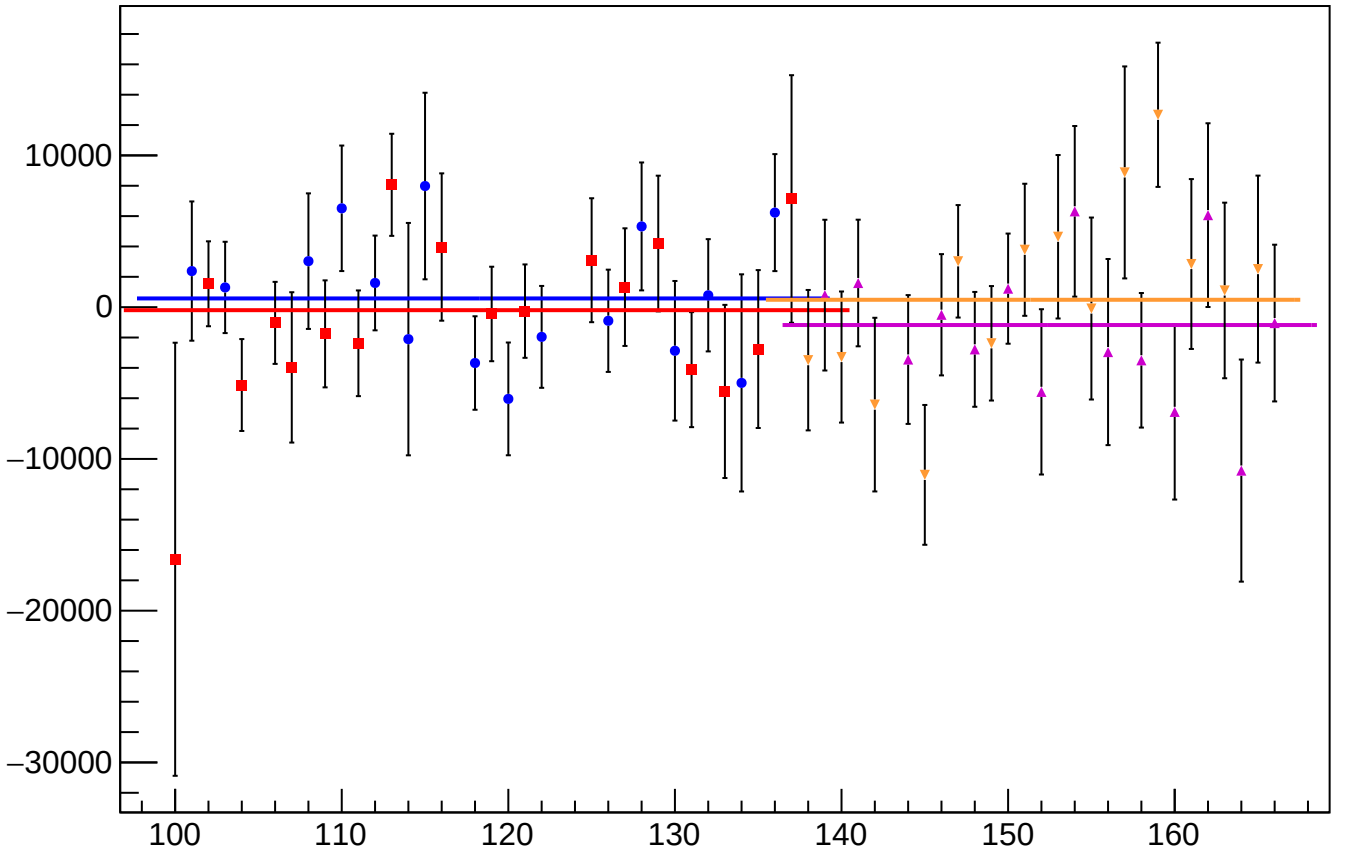
Left: 1248.848+/-0.186 χ^2/NDF: 160889.6/27

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1040.134+/-0.174 χ^2/NDF:1641444.4/29

Out: 1031.416+/-0.175 χ^2/NDF:1551662.2/31

All: 1035.807+/-0.123 χ^2/NDF: 3194356.4/61



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 486.796+/-1302.848 χ^2/NDF:19.8/13

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1176.616+/-1271.841 χ^2/NDF:8.4/13

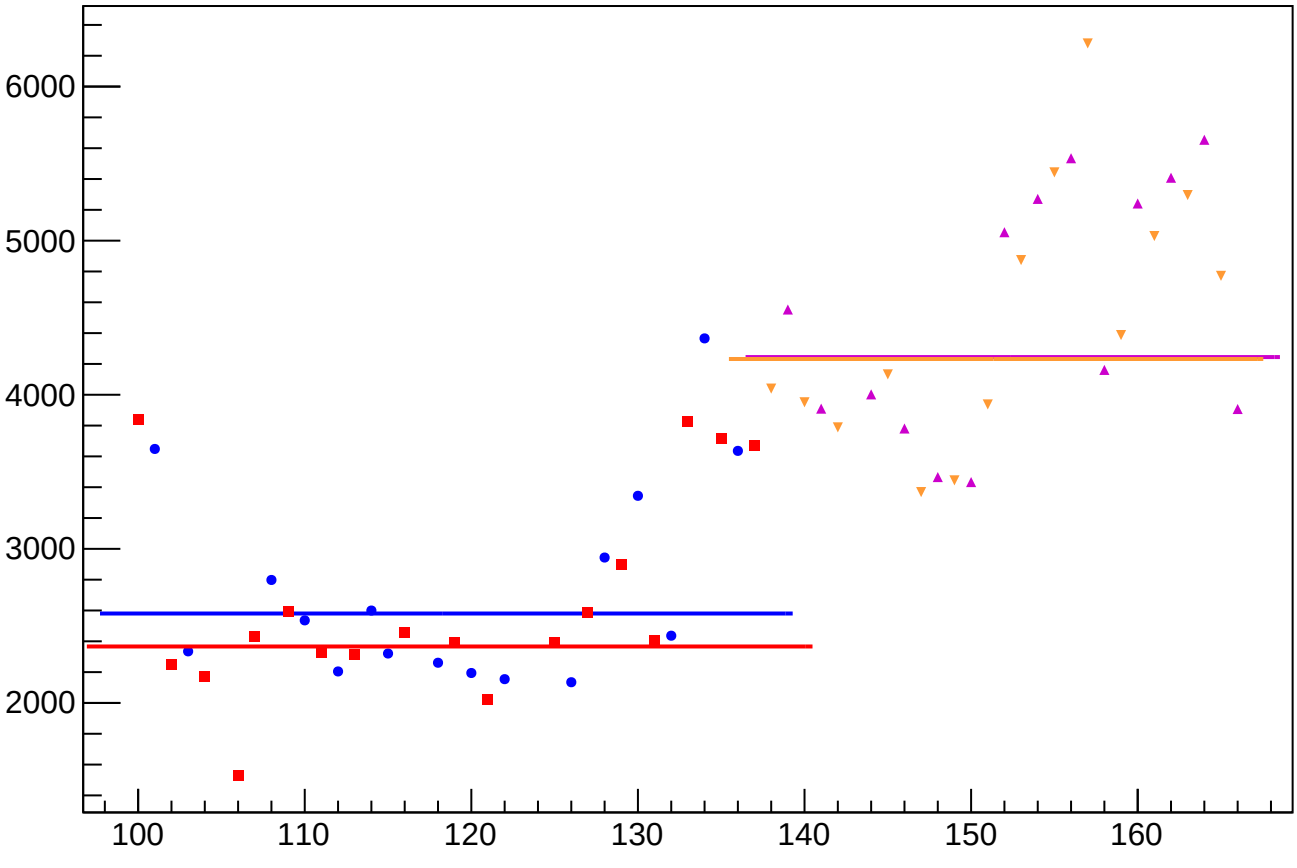
Left: -364.940+/-910.092 χ^2/NDF: 29.1/27

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -81.457+/-778.704 χ^2/NDF:24.3/29

Out: 21.291+/-737.212 χ^2/NDF:37.1/31

All: -27.273+/-535.355 χ^2/NDF: 61.5/61



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4232.088+/-0.921 χ^2/NDF:637614.9/13

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4244.605+/-0.899 χ^2/NDF:655084.9/13

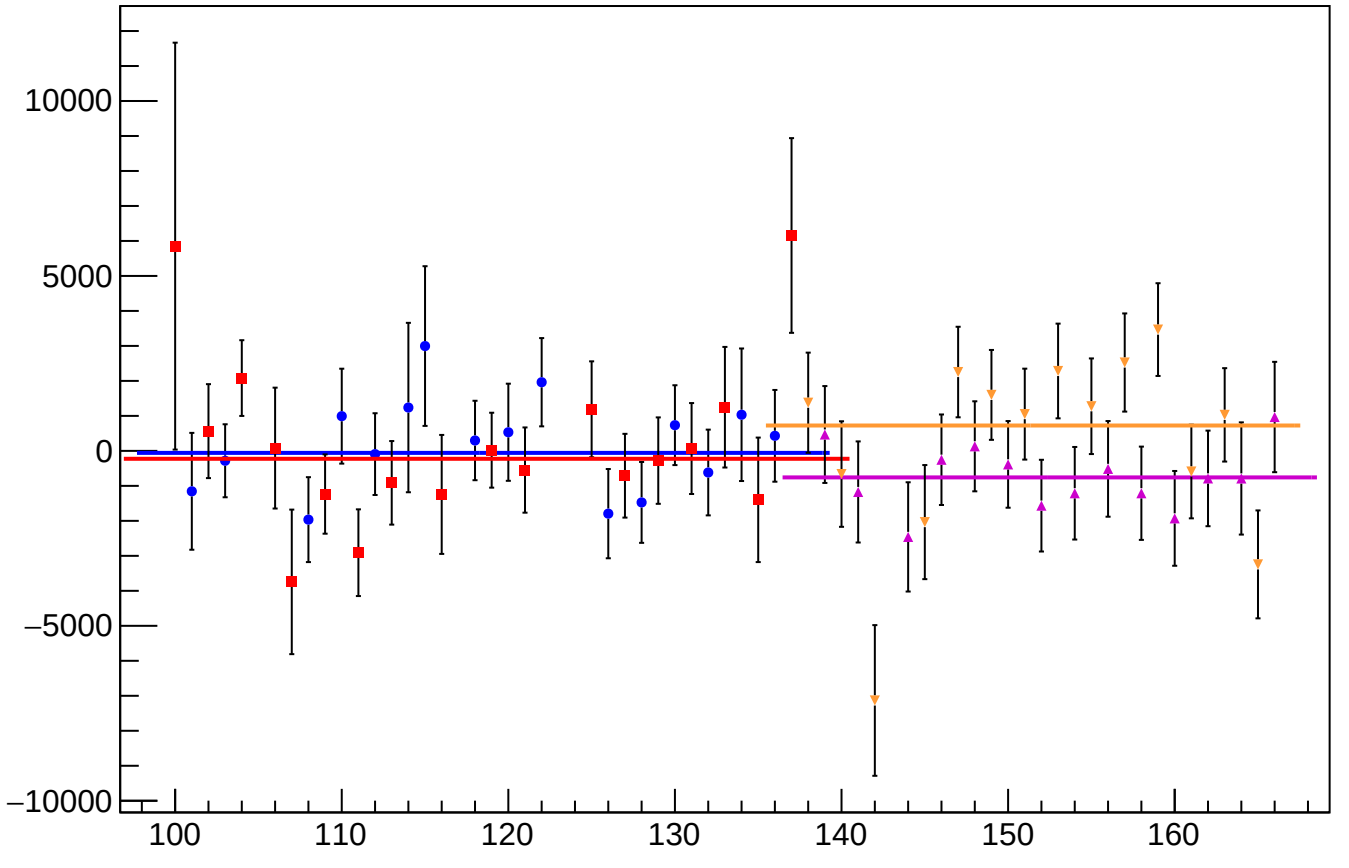
Left: 4238.497+/-0.644 χ^2/NDF: 1292794.3/27

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3204.244+/-0.551 χ^2/NDF:3412967.0/29

Out: 2963.769+/-0.521 χ^2/NDF:4037404.1/31

All: 3077.430+/-0.379 χ^2/NDF: 7550953.7/61



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.153+/-377.602 χ^2/NDF:34.2/13

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -758.201+/-367.905 χ^2/NDF:5.4/13

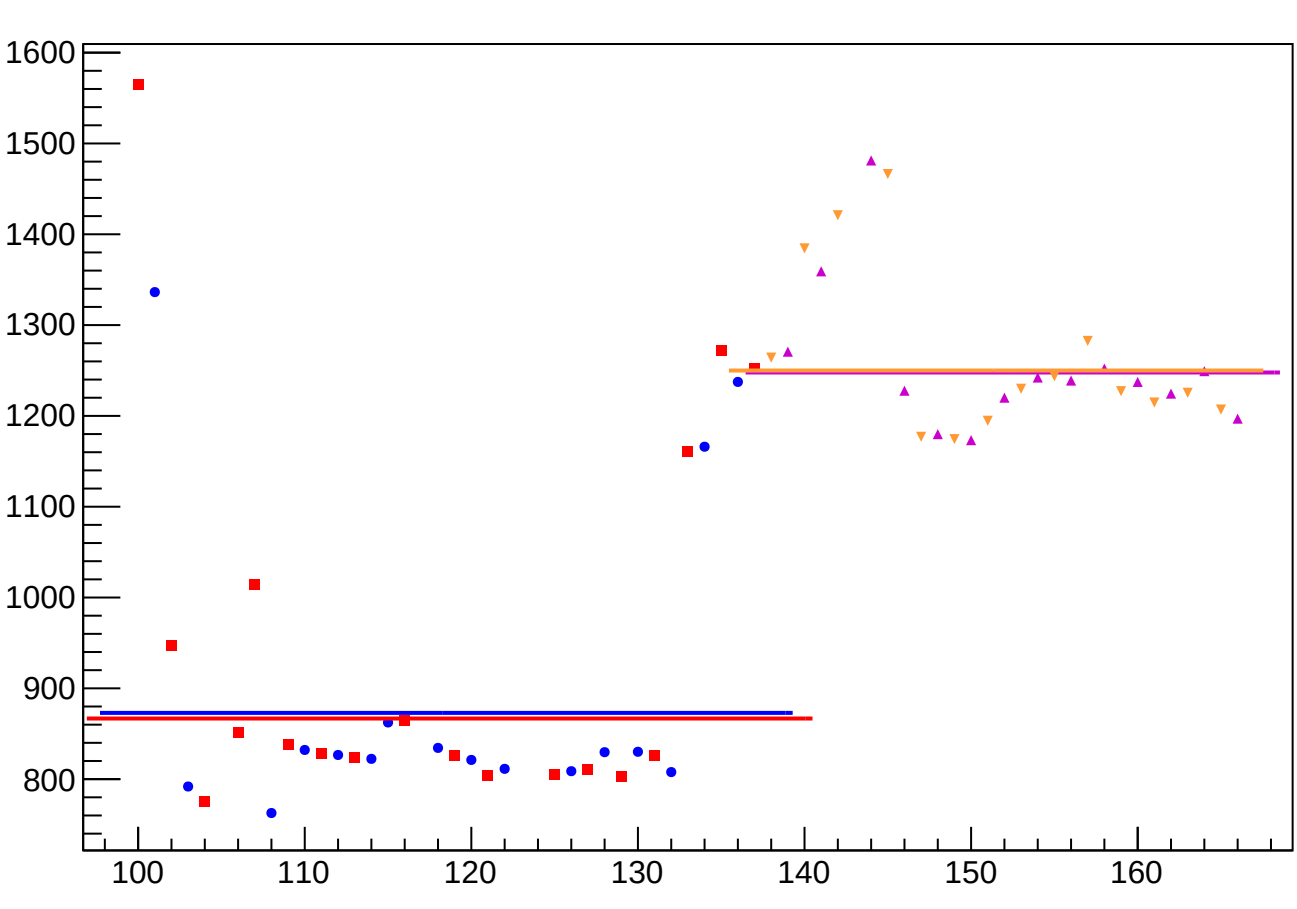
Left: -35.816+/-263.510 χ^2/NDF: 47.5/27

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -369.838+/-245.693 χ^2/NDF:20.4/29

Out: 183.095+/-247.654 χ^2/NDF:60.7/31

All: -95.569+/-174.420 χ^2/NDF: 83.6/61



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1249.963+/-0.267 χ^2/NDF:86603.0/13

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1247.793+/-0.260 χ^2/NDF:74254.8/13

Left: 1248.850+/-0.186 χ^2/NDF: 160891.7/27

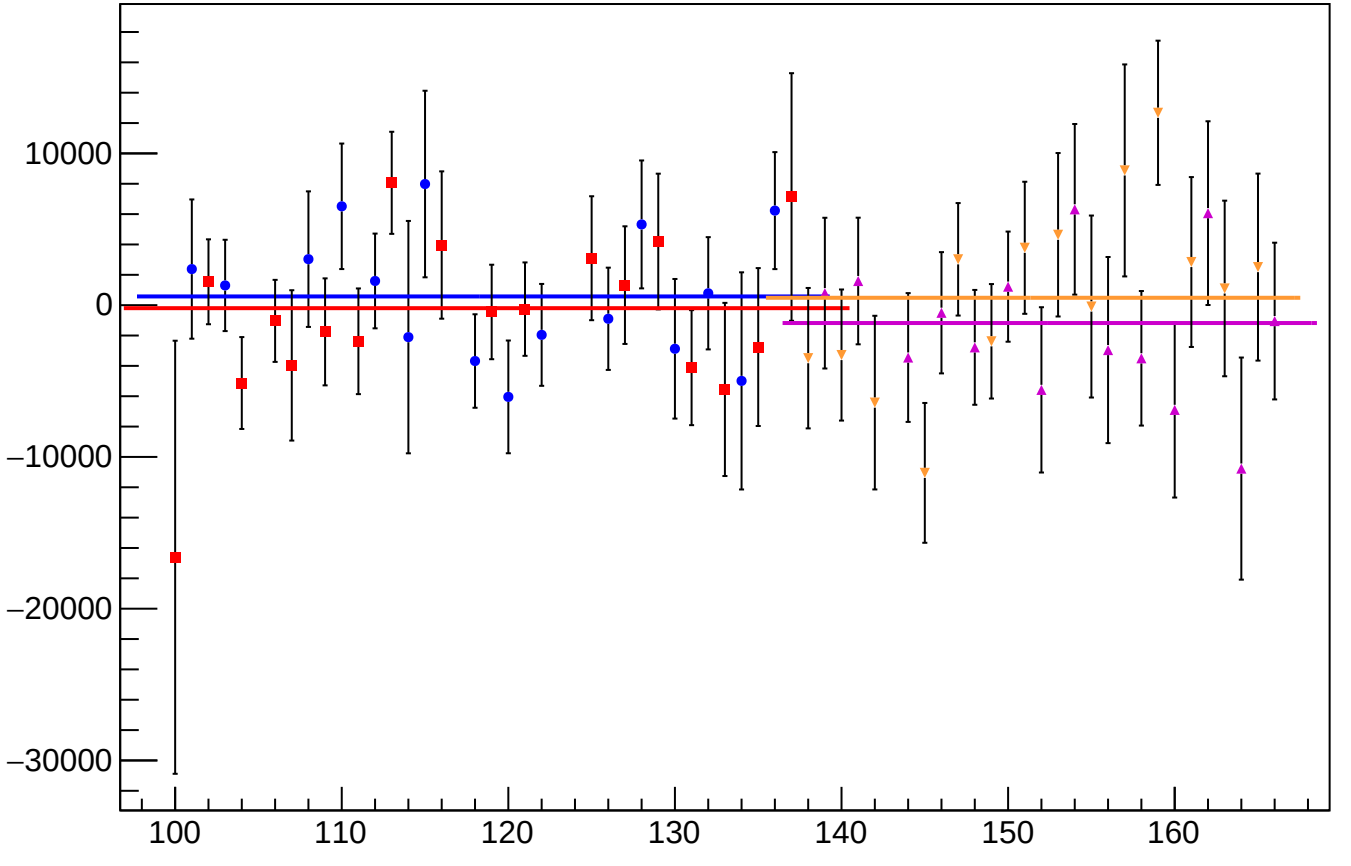
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1040.134+/-0.174 χ^2/NDF:1641451.5/29

Out: 1031.416+/-0.175 χ^2/NDF:1551670.9/31

All: 1035.807+/-0.123 χ^2/NDF: 3194372.2/61

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 486.798+/-1302.850 χ^2/NDF:19.8/13

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1176.616+/-1271.843 χ^2/NDF:8.4/13

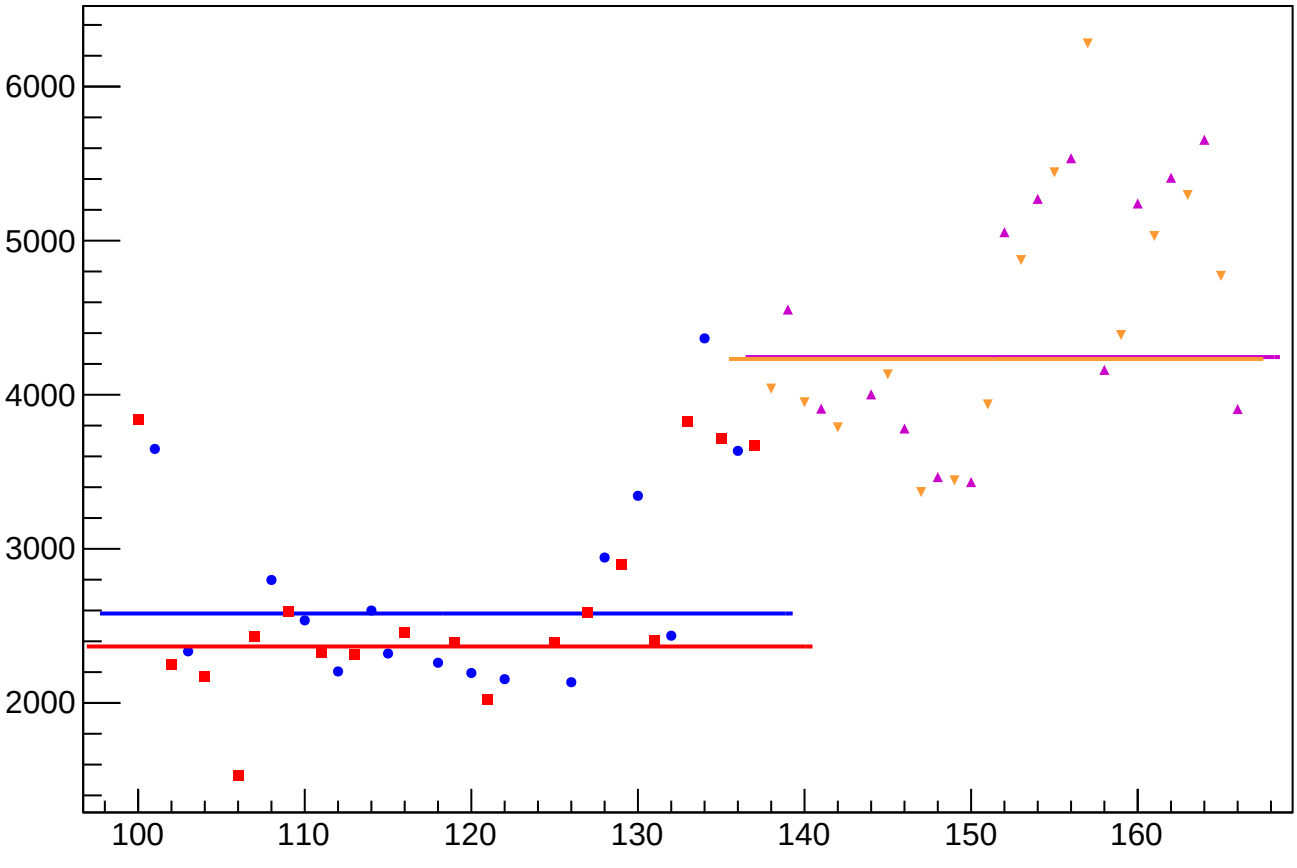
Left: -364.939+/-910.093 χ^2/NDF: 29.1/27

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -81.456+/-778.703 χ^2/NDF:24.3/29

Out: 21.290+/-737.211 χ^2/NDF:37.1/31

All: -27.273+/-535.355 χ^2/NDF: 61.5/61



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4232.094+/-0.921 χ^2/NDF:637618.1/13

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4244.610+/-0.899 χ^2/NDF:655088.6/13

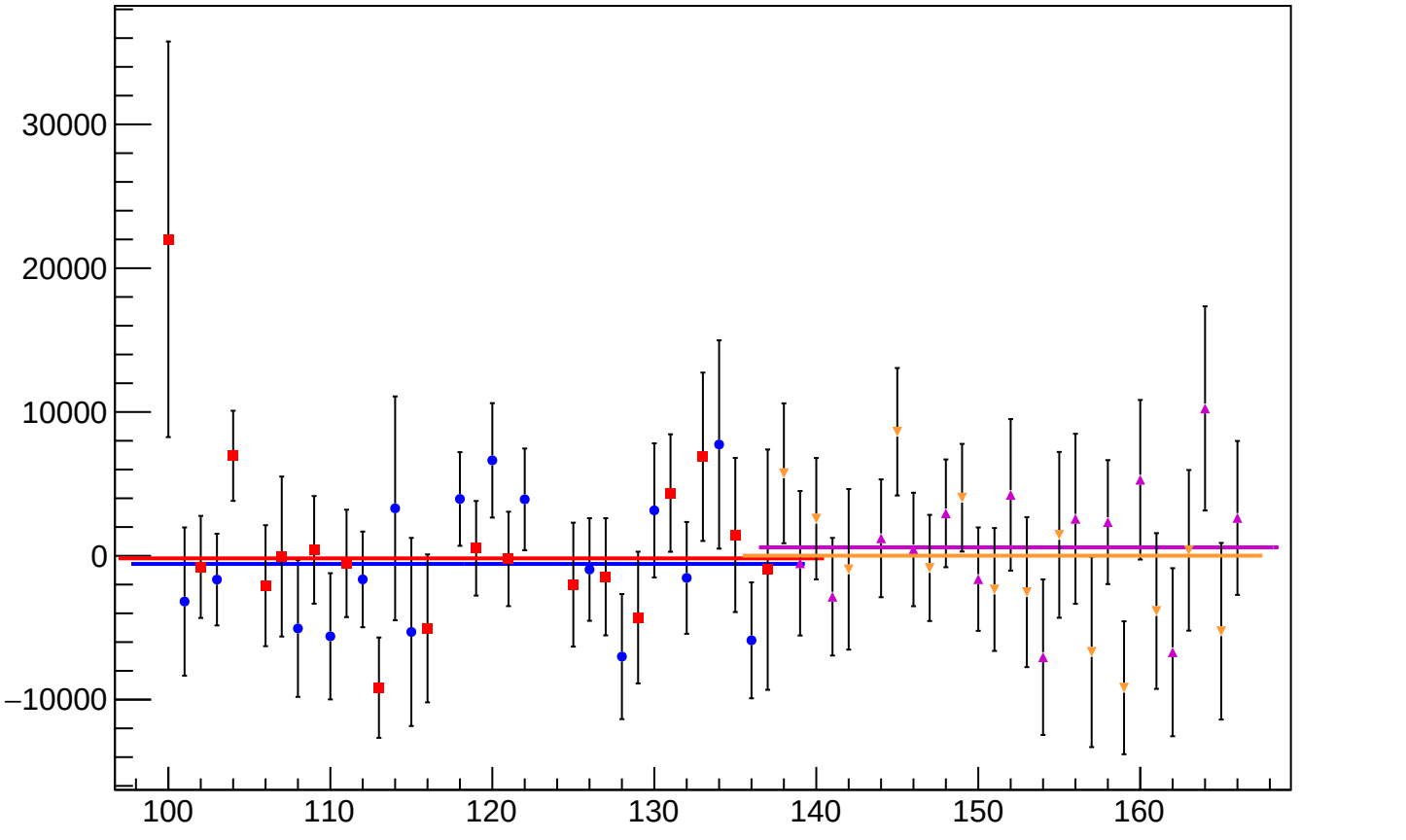
Left: 4238.503+/-0.644 χ^2/NDF: 1292801.2/27

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

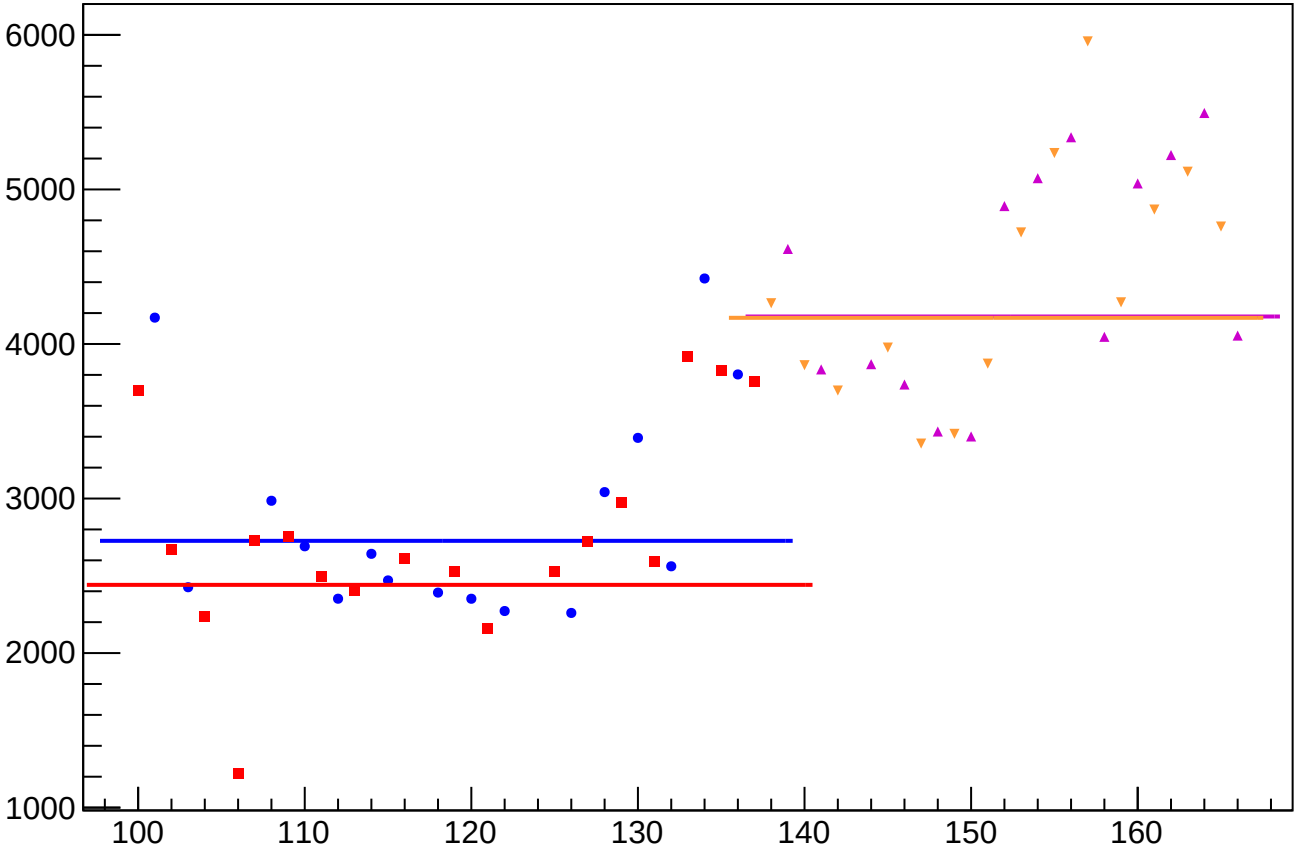
In: 3204.237+/-0.551 χ^2/NDF:3413014.8/29

Out: 2963.763+/-0.521 χ^2/NDF:4037448.6/31

All: 3077.423+/-0.379 χ^2/NDF: 7551045.9/61


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -566.096+/-1040.314 χ²/NDF: 16.2/15
Left Out: 9.423+/-1280.215 χ²/NDF:13.6/13
Right Out: -178.586+/-988.392 χ²/NDF: 19.5/17
Left In: 588.107+/-1249.031 χ²/NDF:8.6/13
Left: 305.898+/-894.019 χ²/NDF: 22.3/27
Right: -362.430+/-716.551 χ²/NDF: 35.8/33
In: -93.355+/-799.363 χ²/NDF:25.3/29
Out: -108.373+/-782.356 χ²/NDF:33.1/31
All: -101.025+/-559.125 χ²/NDF: 58.4/61

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4169.366+/-0.905 χ^2/NDF:563593.6/13

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4177.830+/-0.883 χ^2/NDF:589879.4/13

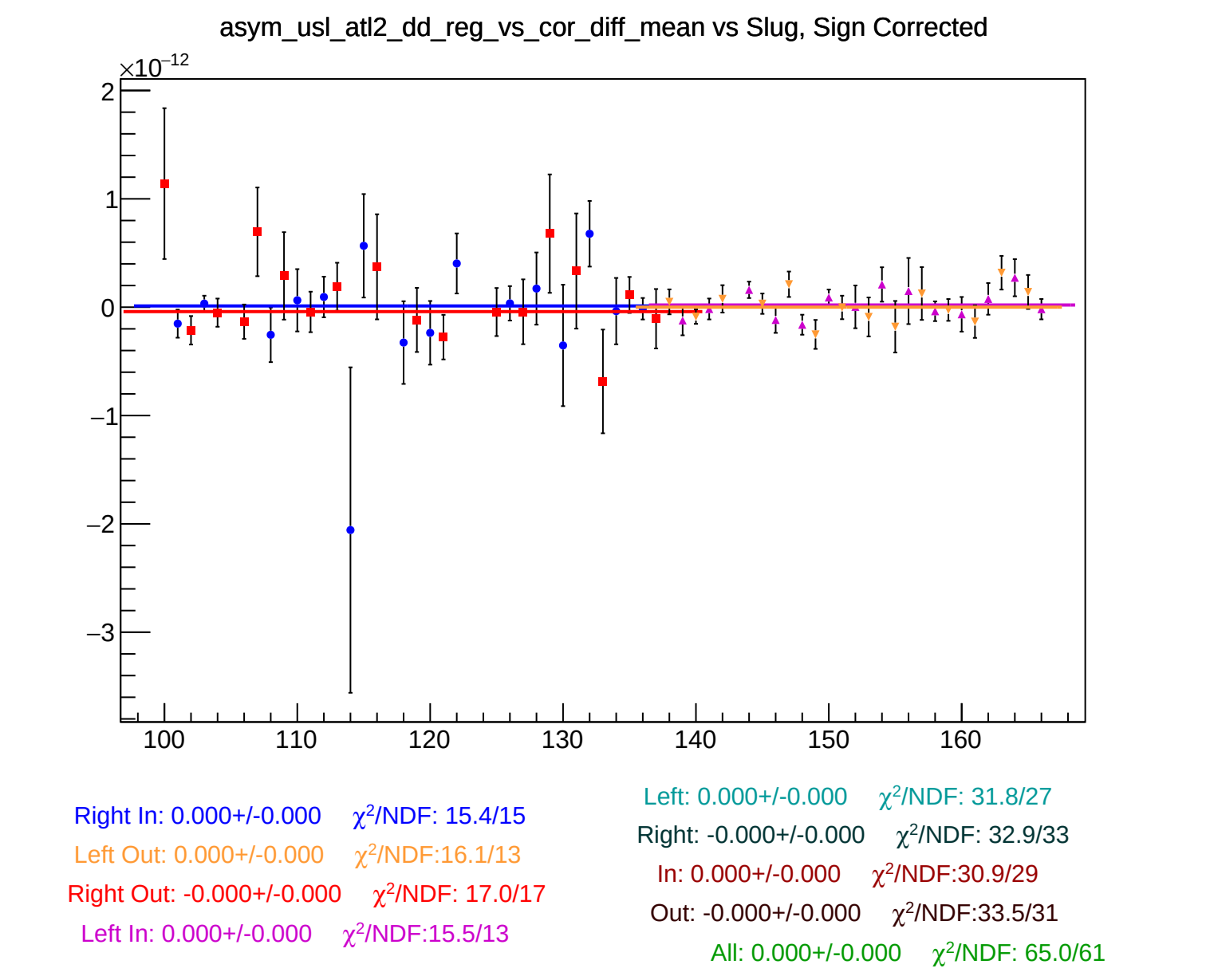
Left: 4173.702+/-0.632 χ^2/NDF: 1153517.8/27

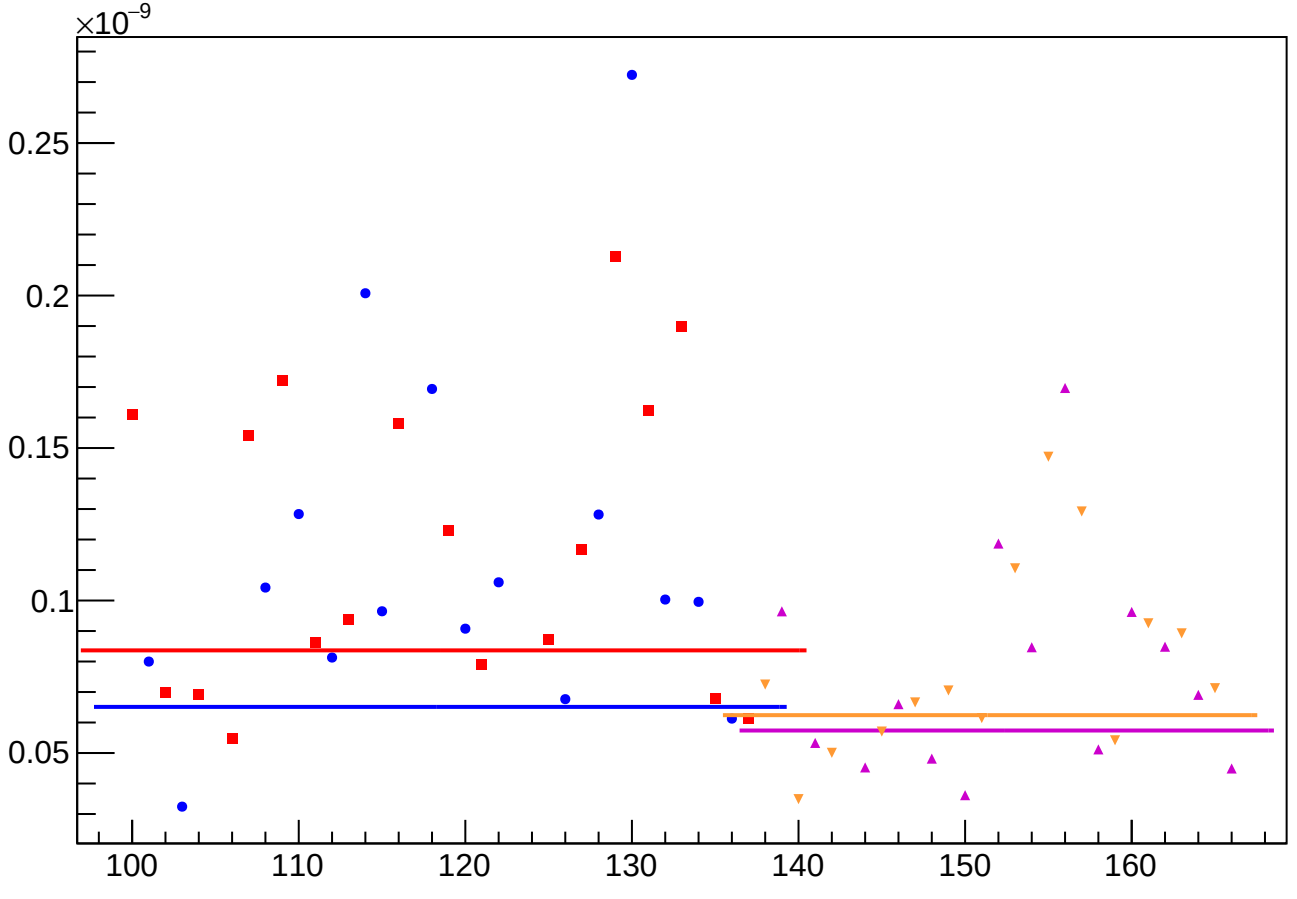
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3320.780+/-0.565 χ^2/NDF:2807869.6/29

Out: 3049.322+/-0.537 χ^2/NDF:3816529.8/31

All: 3178.089+/-0.389 χ^2/NDF: 6745638.3/61


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/13
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.5/13
Left: 0.000+/-0.000 χ²/NDF: 31.8/27
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:30.9/29
Out: -0.000+/-0.000 χ²/NDF:33.5/31
All: 0.000+/-0.000 χ²/NDF: 65.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1097131.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1180296.9/13

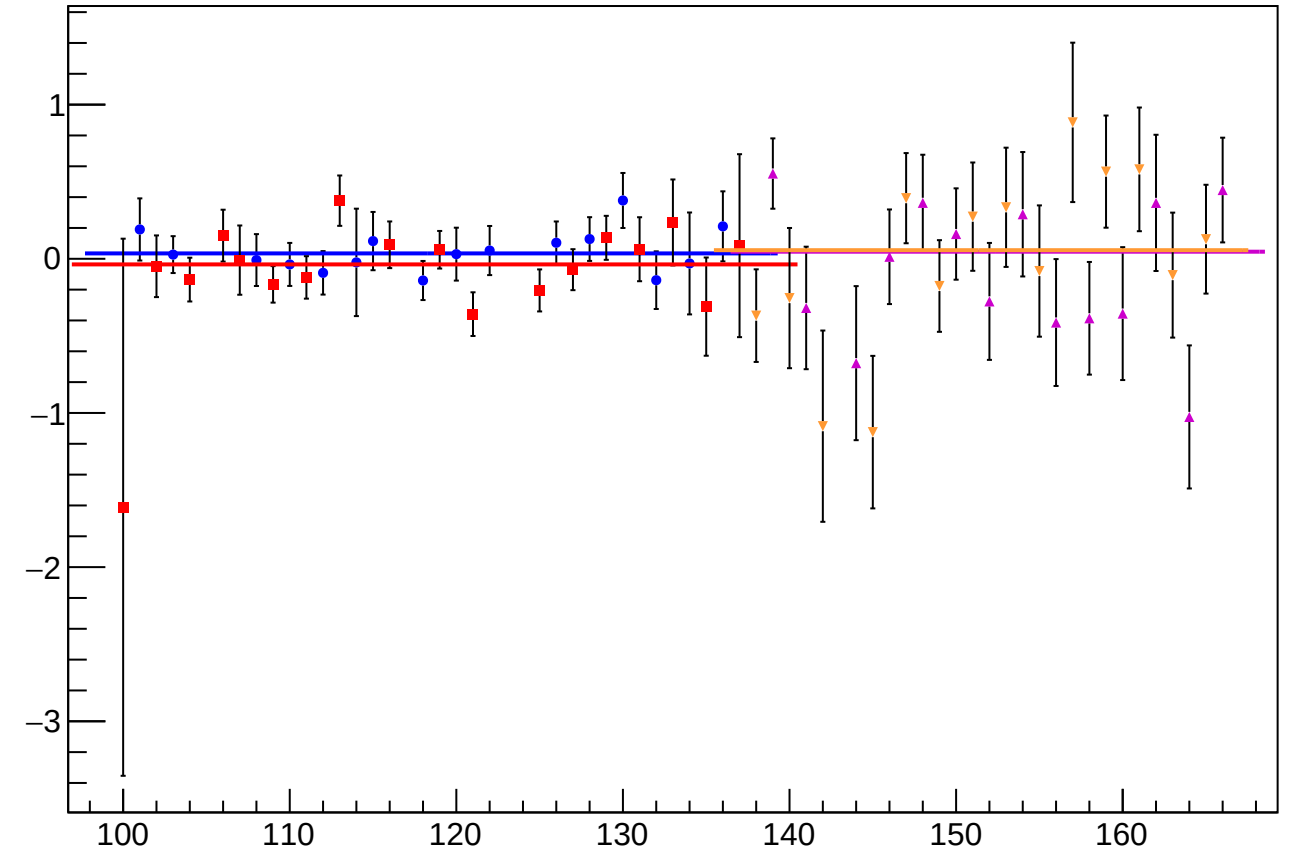
Left: 0.000+/-0.000 χ^2/NDF: 2304103.3/27

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2445440.7/29

Out: 0.000+/-0.000 χ^2/NDF:2022004.6/31

All: 0.000+/-0.000 χ^2/NDF: 4567457.1/61



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

Left: 0.051+/-0.069 χ^2/NDF: 41.8/27

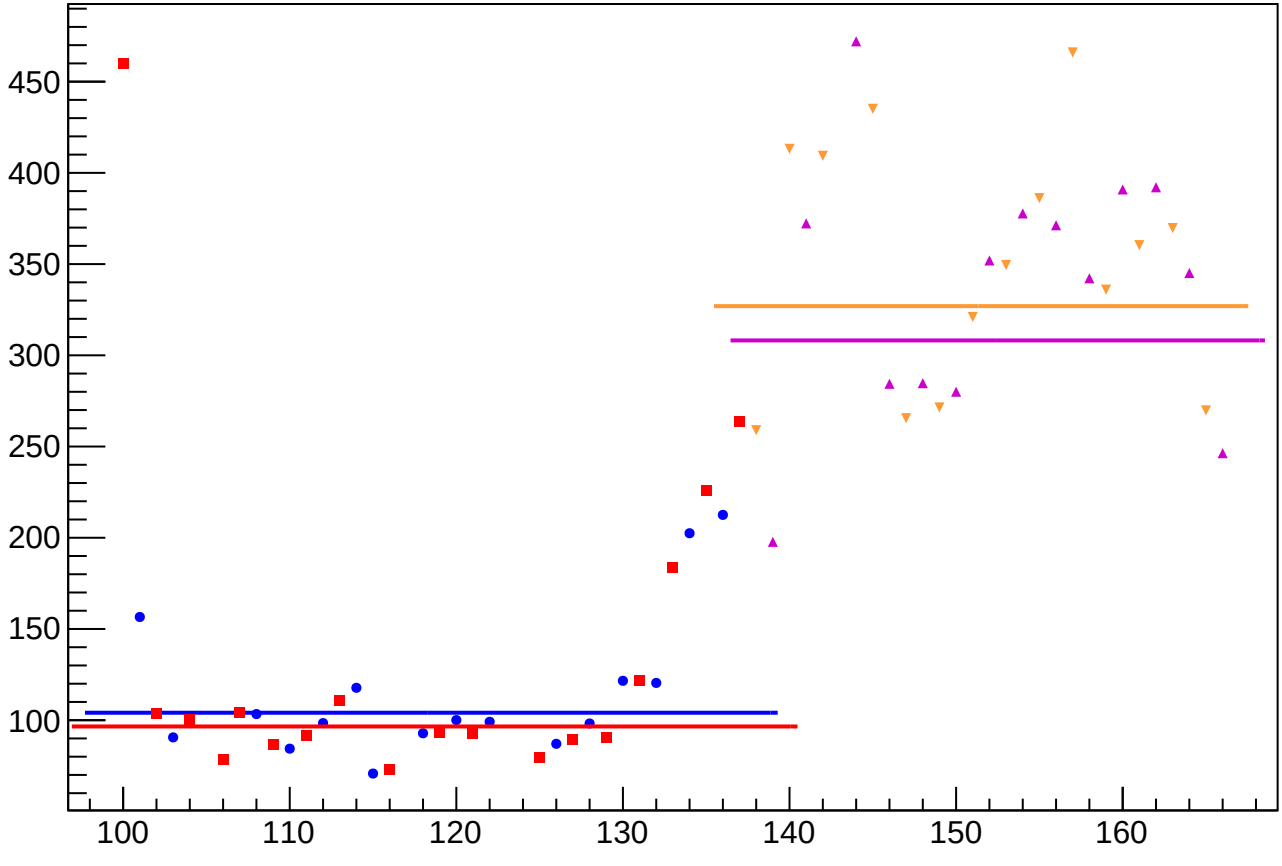
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.005+/-0.026 χ^2/NDF: 75.7/61

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 308.164+/-0.067 χ^2/NDF:1152569.4/13

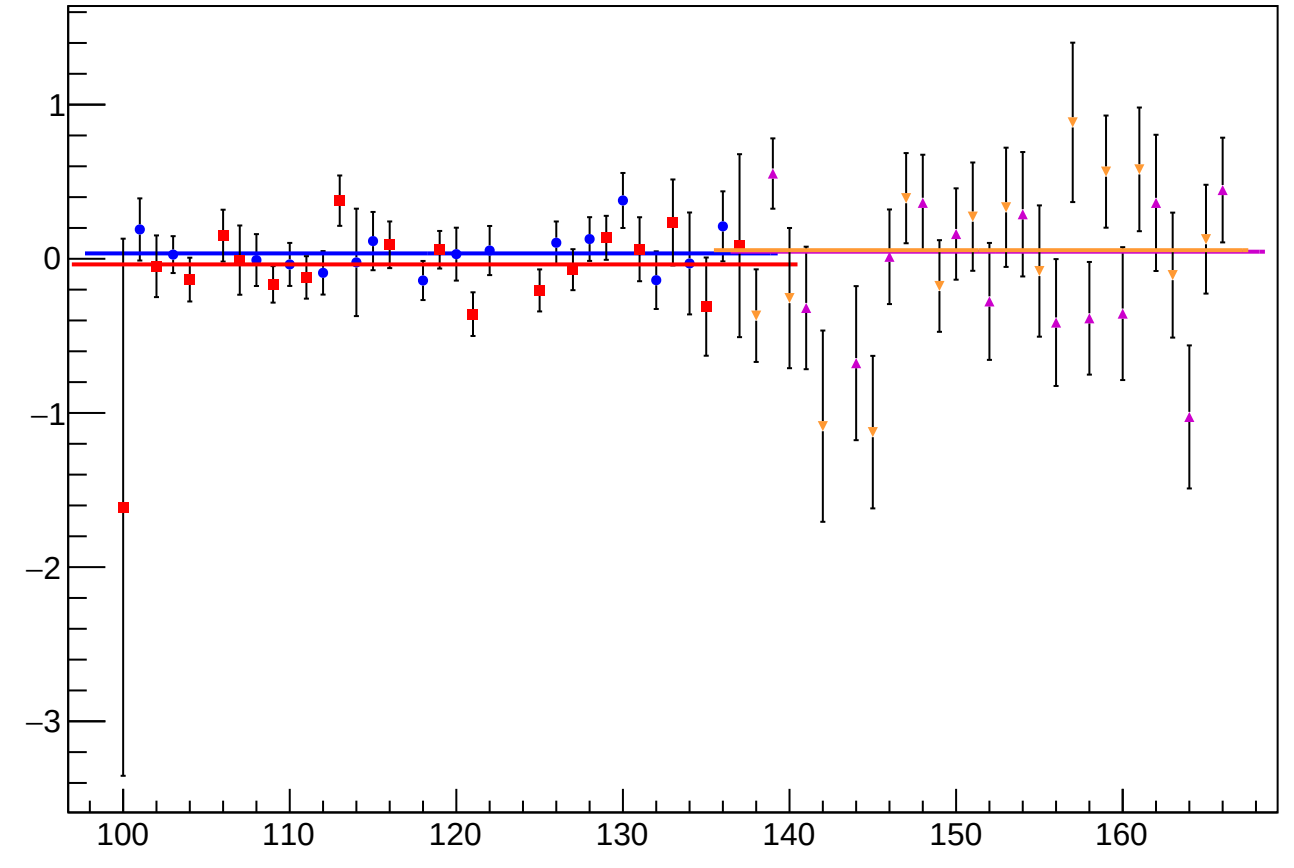
Left: 316.904+/-0.049 χ^2/NDF: 1933251.8/27

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 136.507+/-0.027 χ^2/NDF:9998989.1/29

Out: 126.200+/-0.026 χ^2/NDF:10721874.1/31

All: 131.170+/-0.018 χ^2/NDF: 20798563.8/61



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

Left: 0.051+/-0.069 χ^2/NDF: 41.8/27

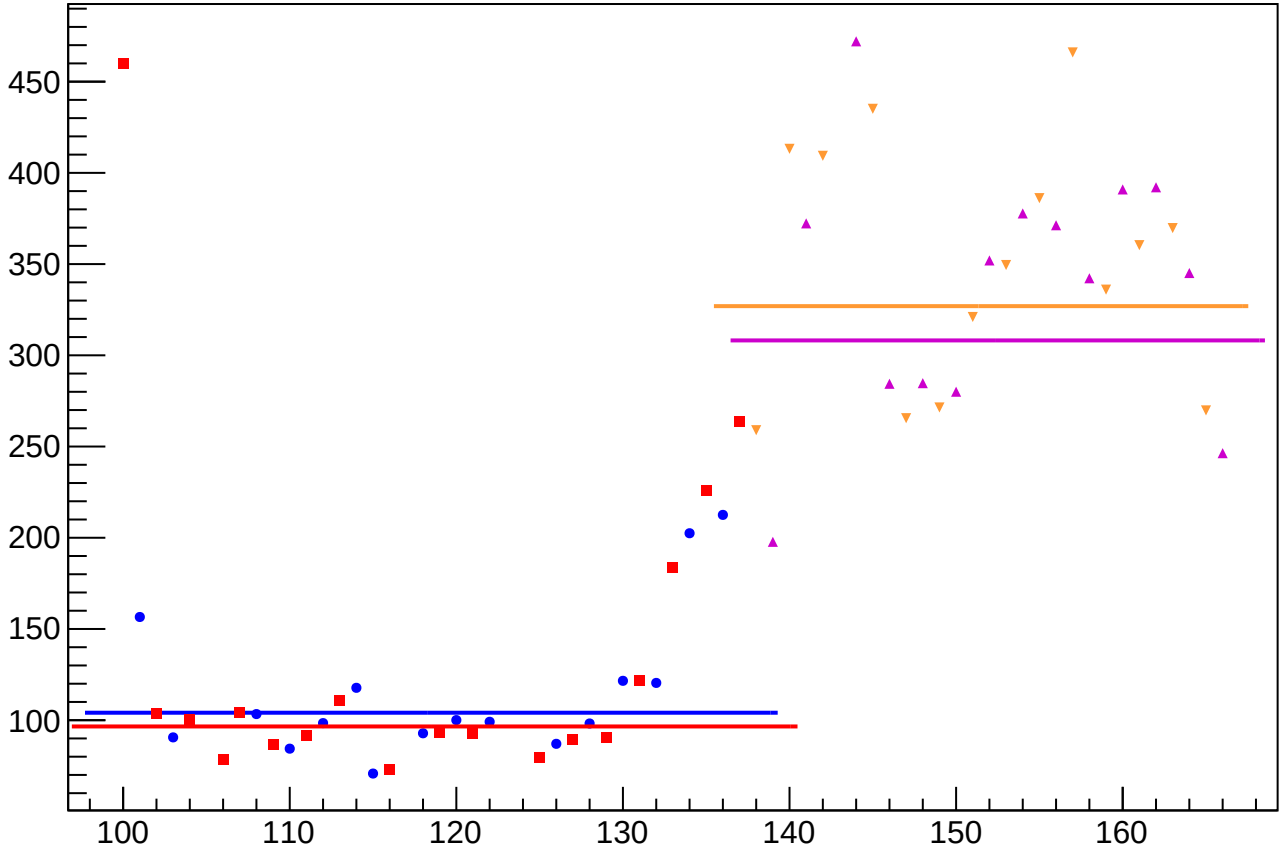
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.005+/-0.026 χ^2/NDF: 75.7/61

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 308.164+/-0.067 χ^2/NDF:1152569.4/13

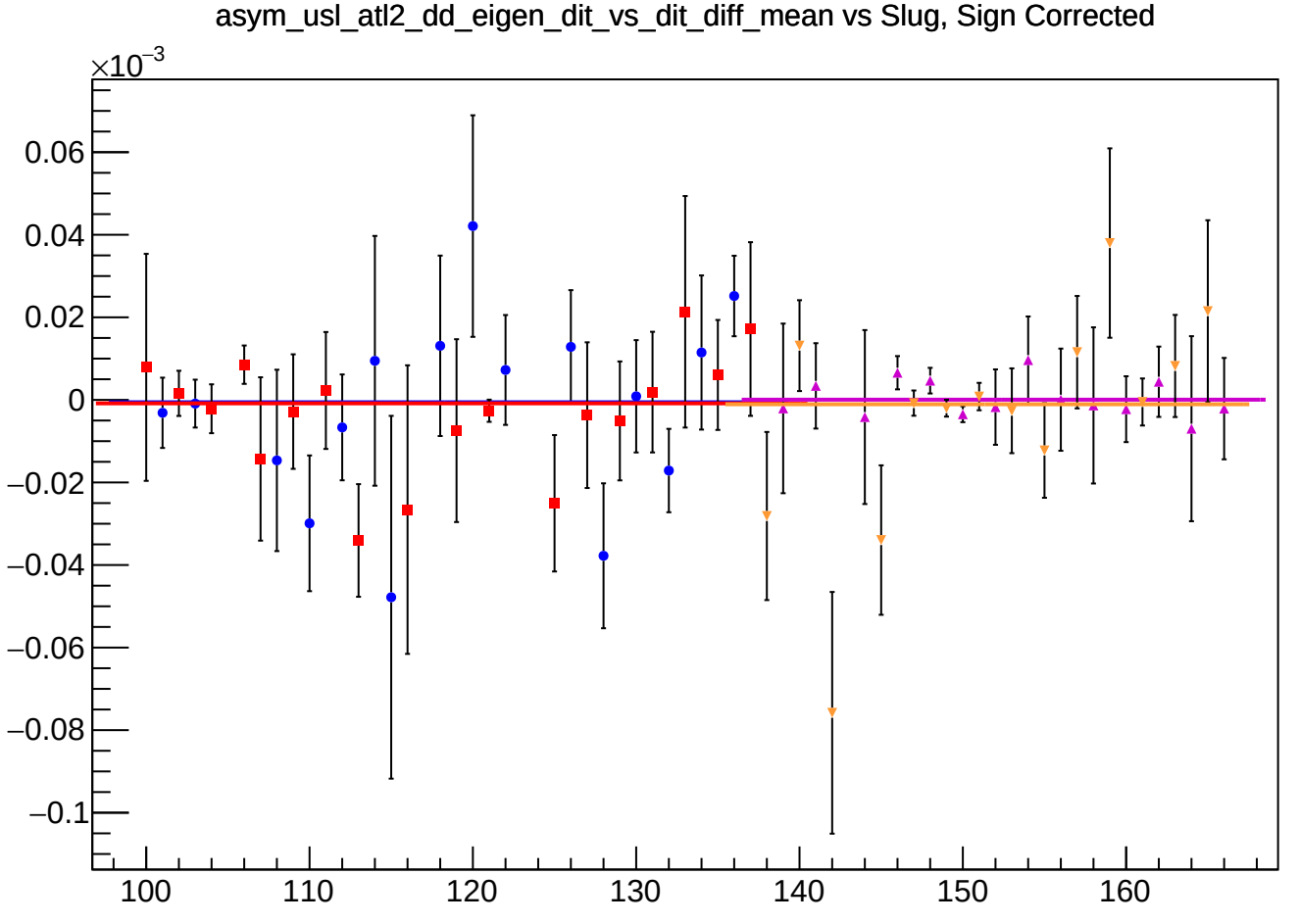
Left: 316.904+/-0.049 χ^2/NDF: 1933251.8/27

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 136.507+/-0.027 χ^2/NDF:9998989.1/29

Out: 126.200+/-0.026 χ^2/NDF:10721874.1/31

All: 131.170+/-0.018 χ^2/NDF: 20798563.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

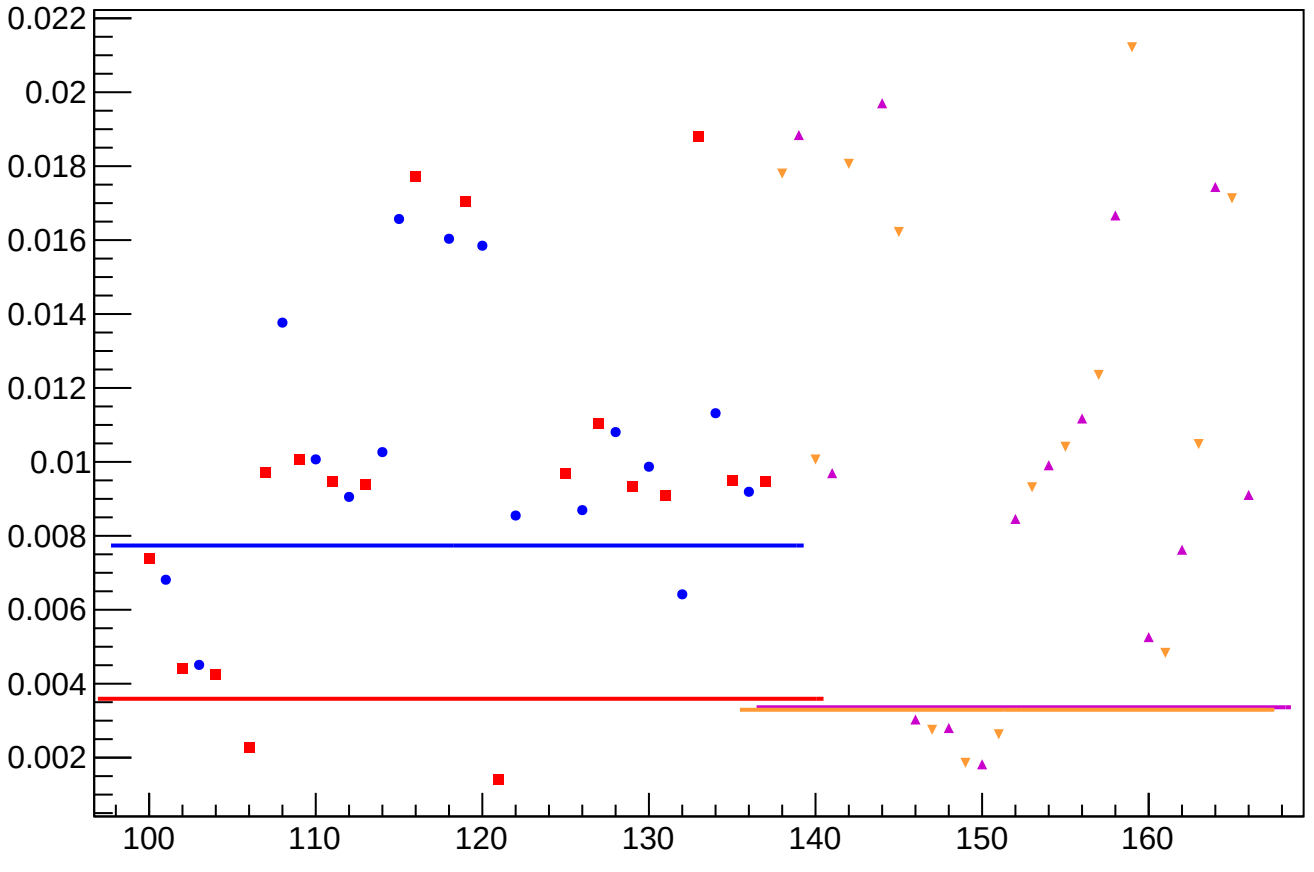
Left: -0.000+/-0.000 χ^2/NDF: 30.1/27

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.7/29

Out: -0.000+/-0.000 χ^2/NDF:36.0/31

All: -0.000+/-0.000 χ^2/NDF: 70.0/61



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:9608892.2/13

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9471601.2/13

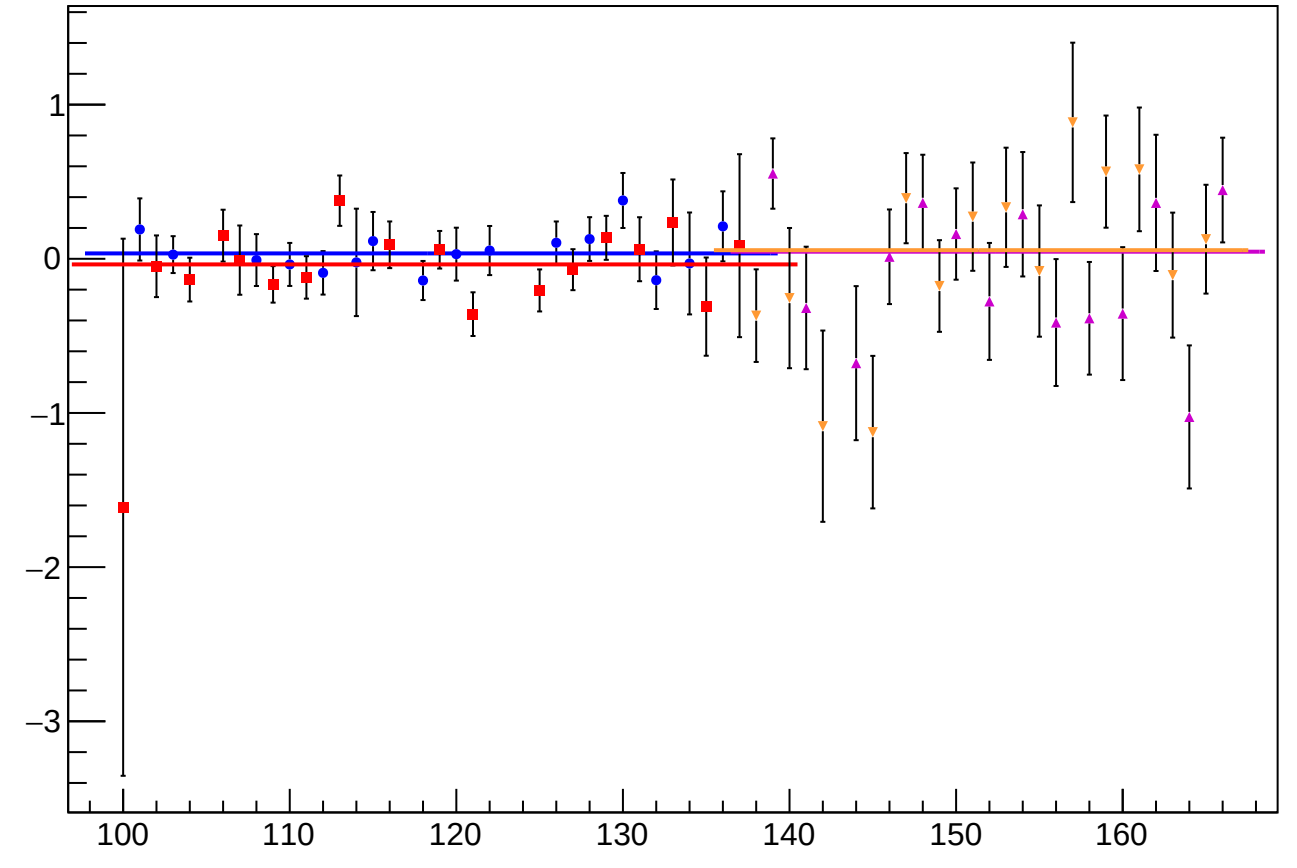
Left: 0.003+/-0.000 χ^2/NDF: 19082837.1/27

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14470539.6/29

Out: 0.003+/-0.000 χ^2/NDF:16006991.3/31

All: 0.004+/-0.000 χ^2/NDF: 30809768.1/61



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

Left: 0.051+/-0.069 χ^2/NDF: 41.8/27

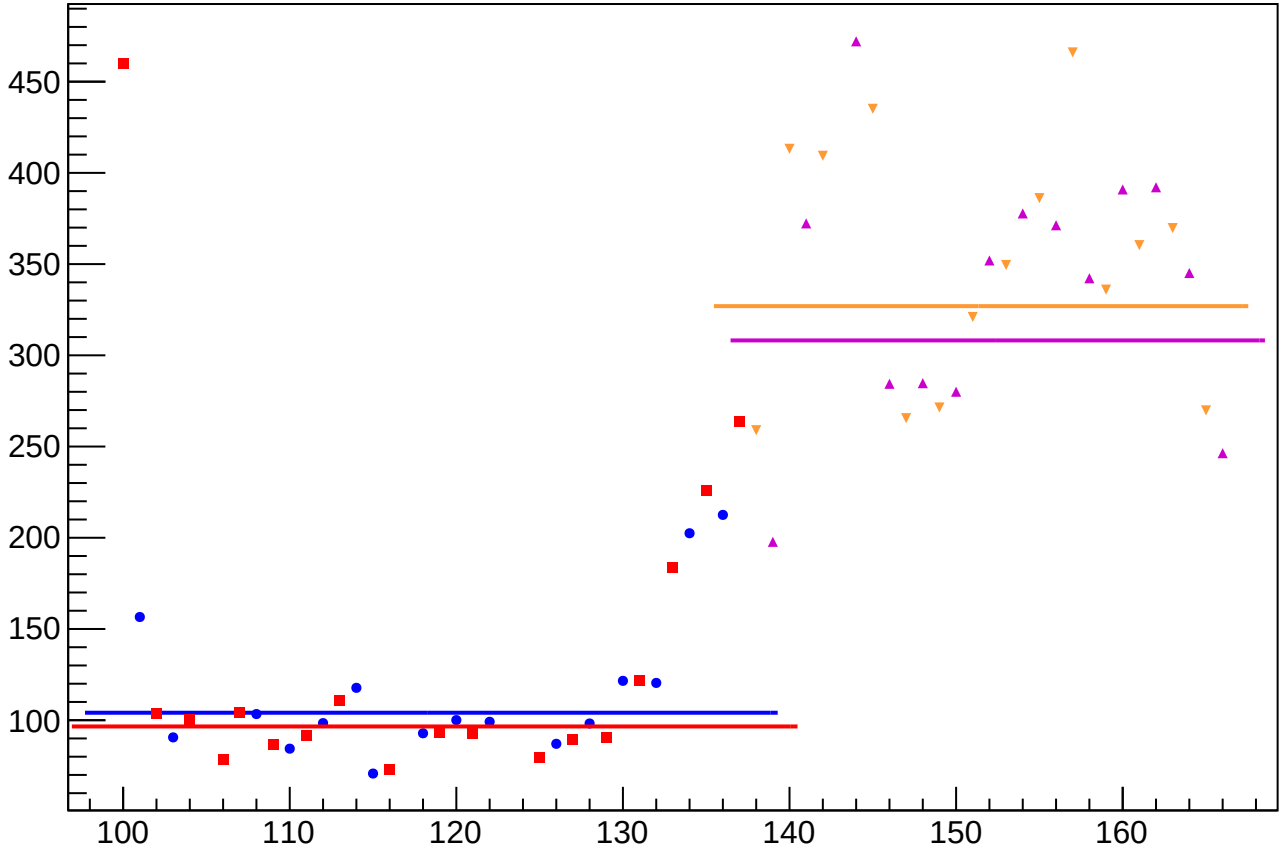
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.005+/-0.026 χ^2/NDF: 75.7/61

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.955+/-0.072 χ^2/NDF:743895.0/13

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 308.168+/-0.067 χ^2/NDF:1152568.0/13

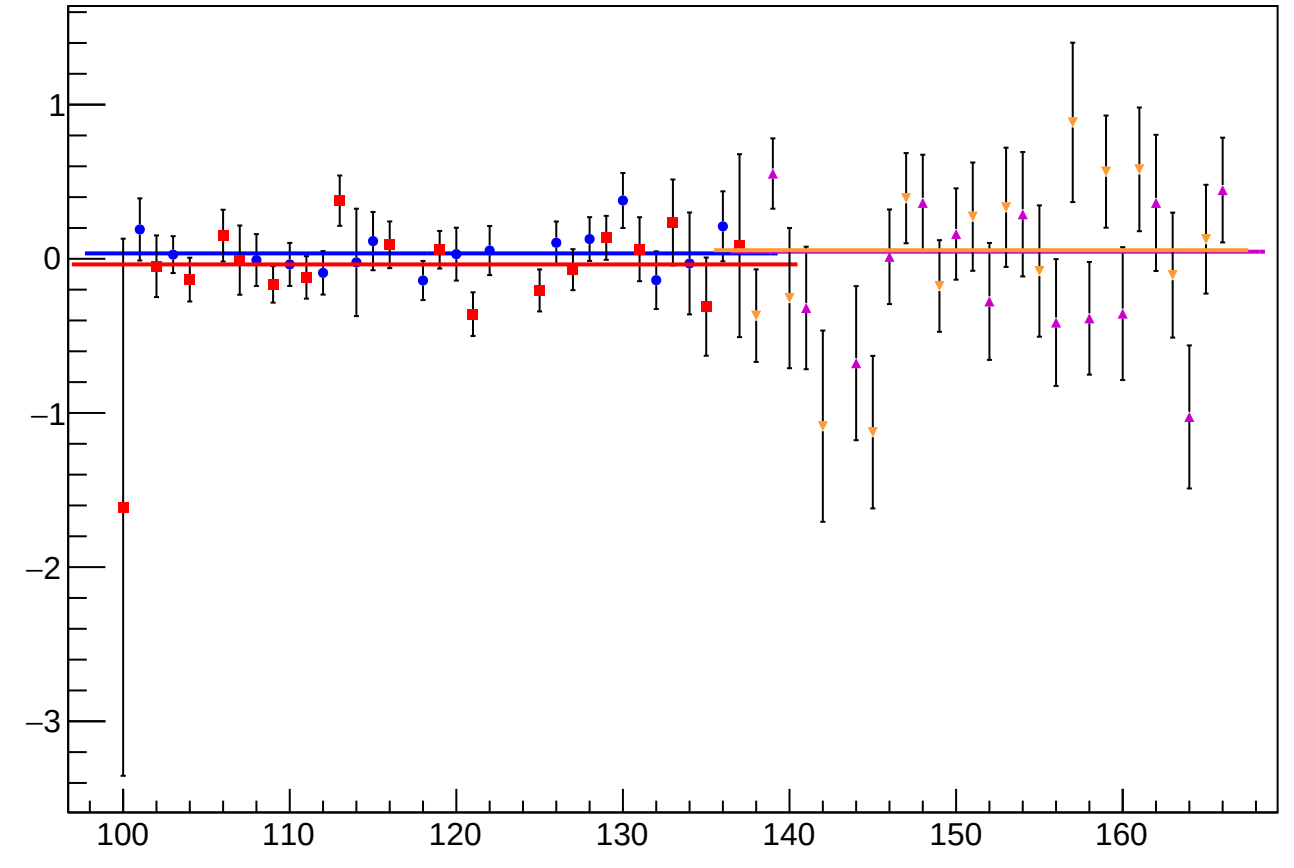
Left: 316.908+/-0.049 χ^2/NDF: 1933287.0/27

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 136.508+/-0.027 χ^2/NDF:9999008.1/29

Out: 126.201+/-0.026 χ^2/NDF:10721833.0/31

All: 131.171+/-0.018 χ^2/NDF: 20798533.3/61



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.056+/-0.101 χ^2/NDF:20.9/13

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.046+/-0.094 χ^2/NDF:20.9/13

Left: 0.051+/-0.069 χ^2/NDF: 41.8/27

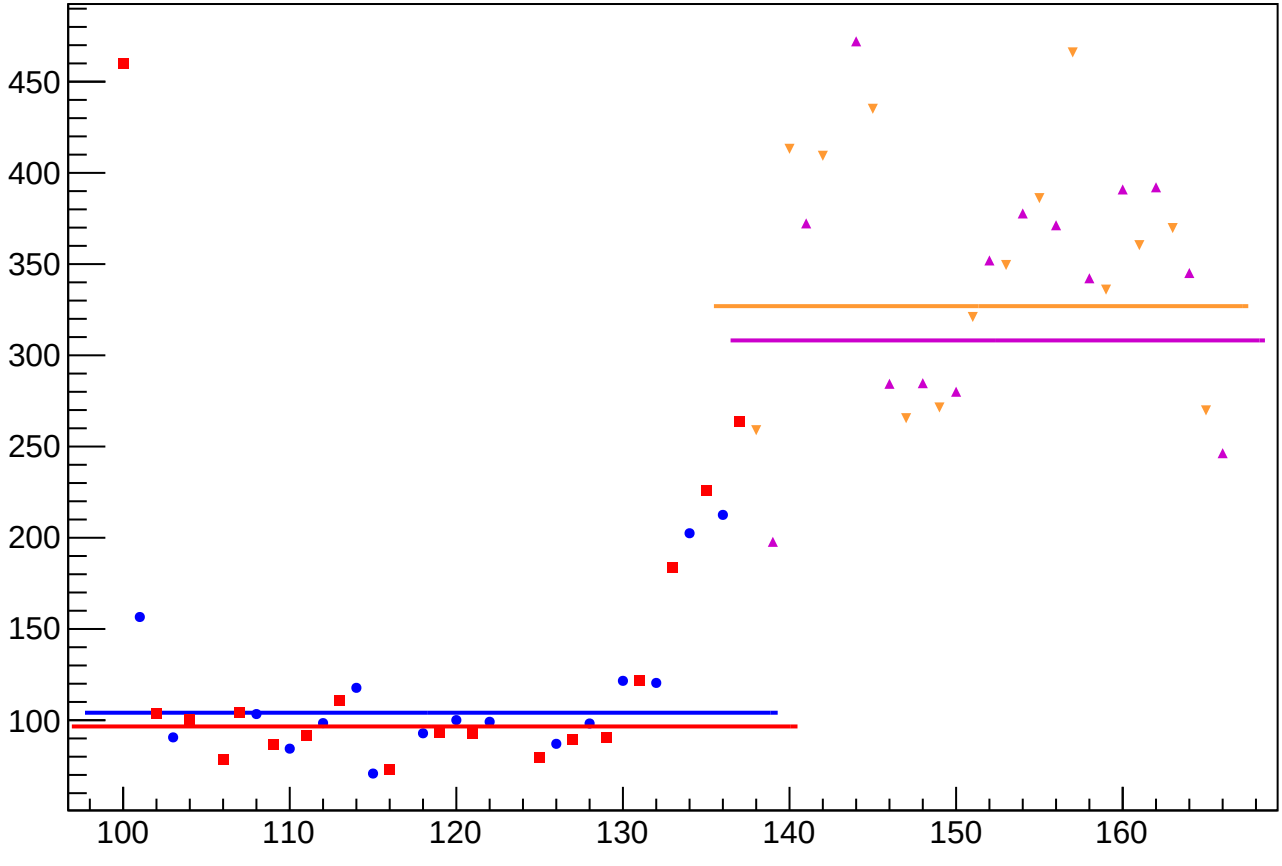
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.037+/-0.038 χ^2/NDF:30.7/29

Out: -0.025+/-0.036 χ^2/NDF:43.7/31

All: 0.005+/-0.026 χ^2/NDF: 75.7/61

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.955+/-0.072 χ^2/NDF:743895.0/13

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 308.168+/-0.067 χ^2/NDF:1152568.0/13

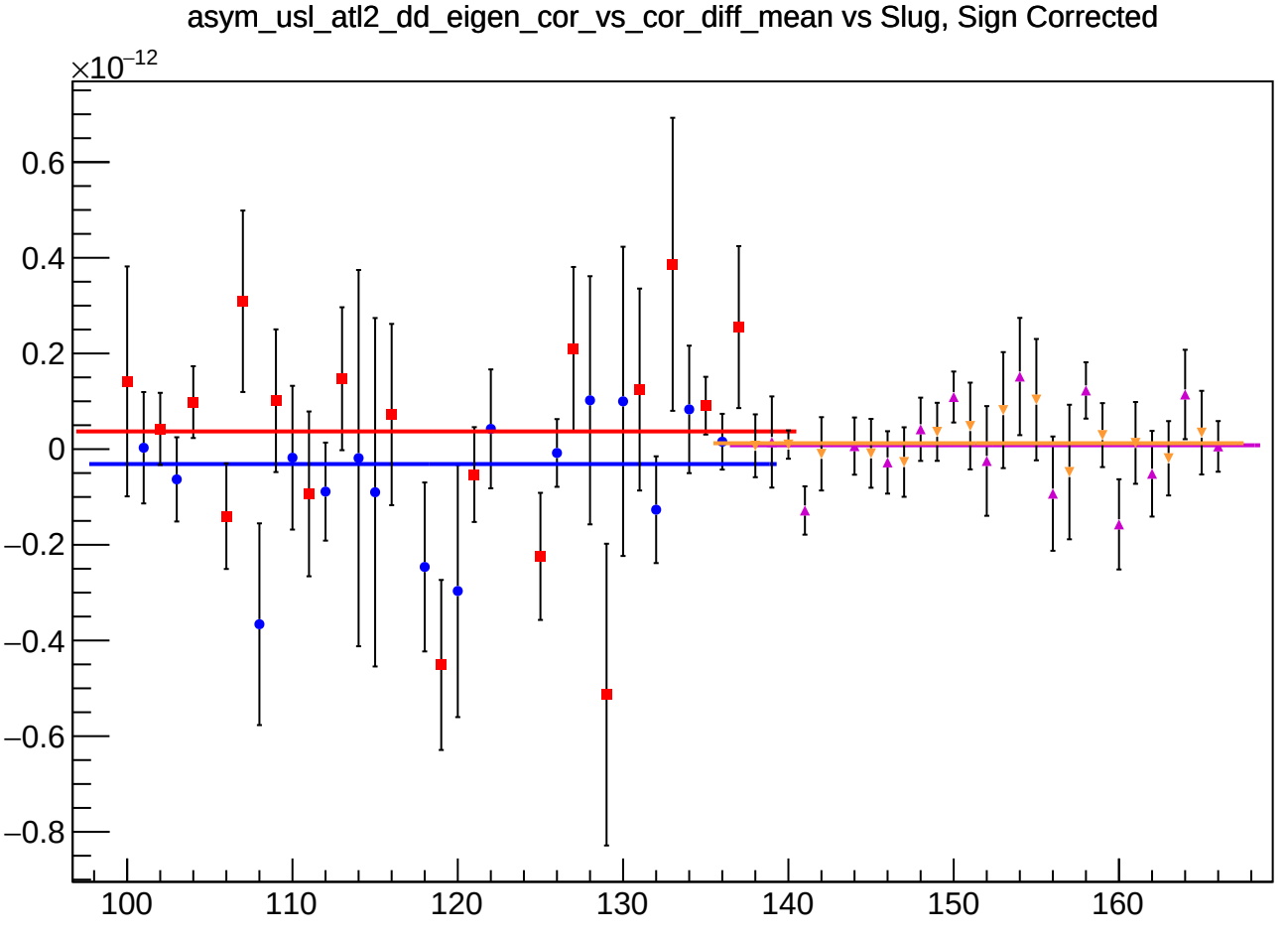
Left: 316.908+/-0.049 χ^2/NDF: 1933287.0/27

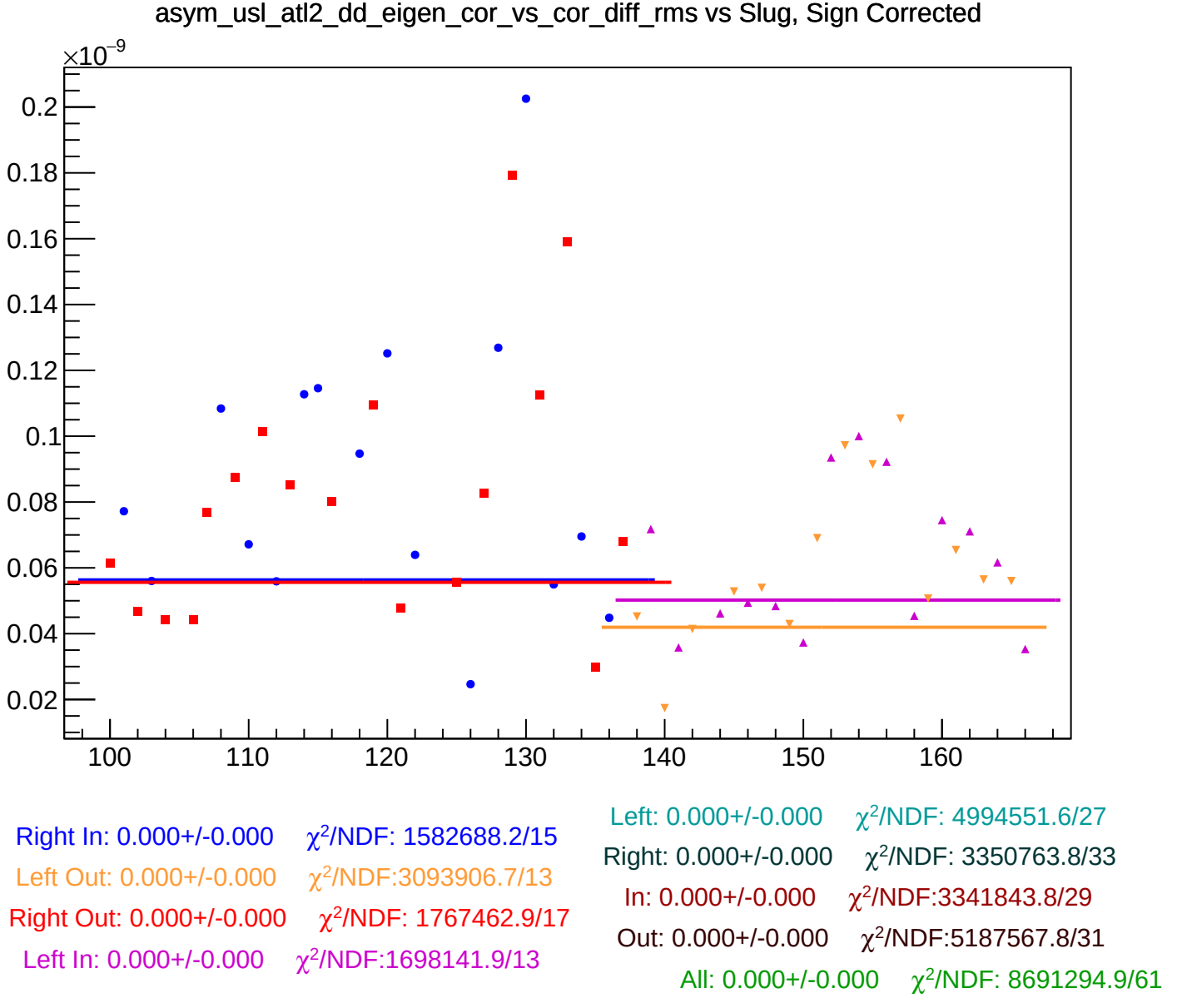
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

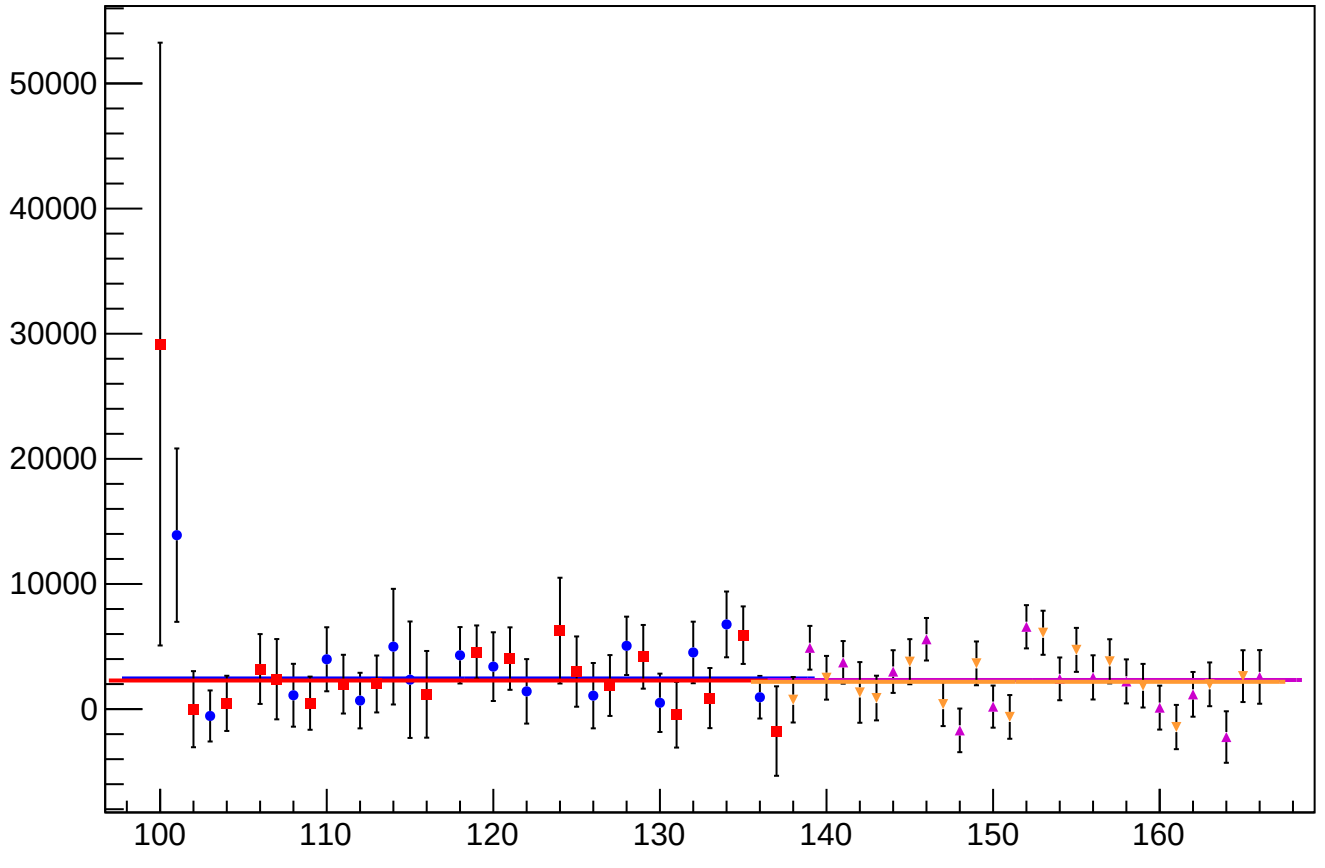
In: 136.508+/-0.027 χ^2/NDF:9999008.1/29

Out: 126.201+/-0.026 χ^2/NDF:10721833.0/31

All: 131.171+/-0.018 χ^2/NDF: 20798533.3/61


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:22.2/13
Left: 0.000+/-0.000 χ²/NDF: 24.3/27
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:32.0/29
Out: 0.000+/-0.000 χ²/NDF:29.7/31
All: 0.000+/-0.000 χ²/NDF: 62.8/61


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3093906.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1698141.9/13
Left: 0.000+/-0.000 χ²/NDF: 4994551.6/27
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3341843.8/29
Out: 0.000+/-0.000 χ²/NDF:5187567.8/31
All: 0.000+/-0.000 χ²/NDF: 8691294.9/61



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.230+/-467.464 χ^2/NDF:18.6/14

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2327.557+/-473.711 χ^2/NDF:26.6/13

Left: 2253.422+/-332.734 χ^2/NDF: 45.3/28

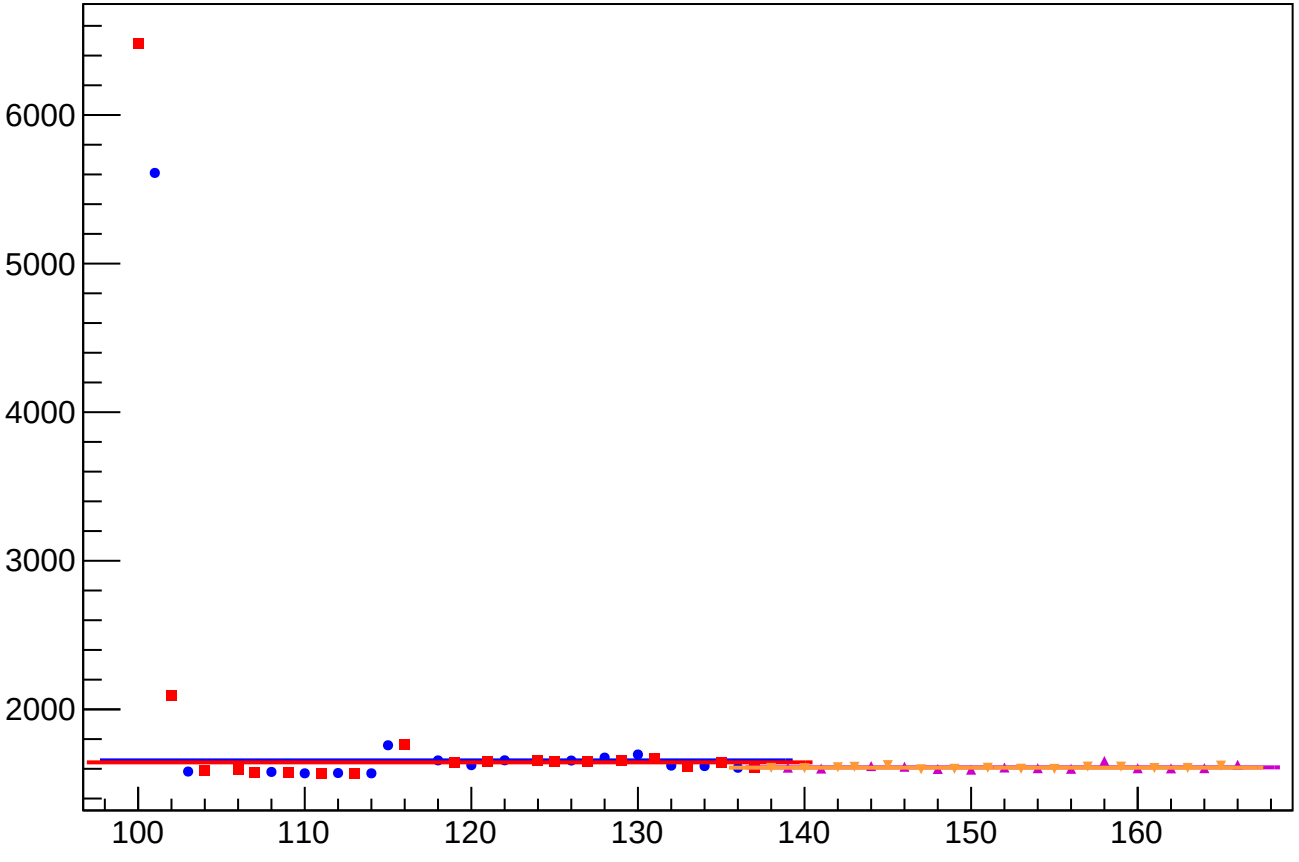
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2371.745+/-378.670 χ^2/NDF:40.5/29

Out: 2220.273+/-370.852 χ^2/NDF:30.5/33

All: 2294.429+/-264.953 χ^2/NDF: 71.0/63

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

Left: 1608.731+/-0.235 χ^2/NDF: 2403.4/28

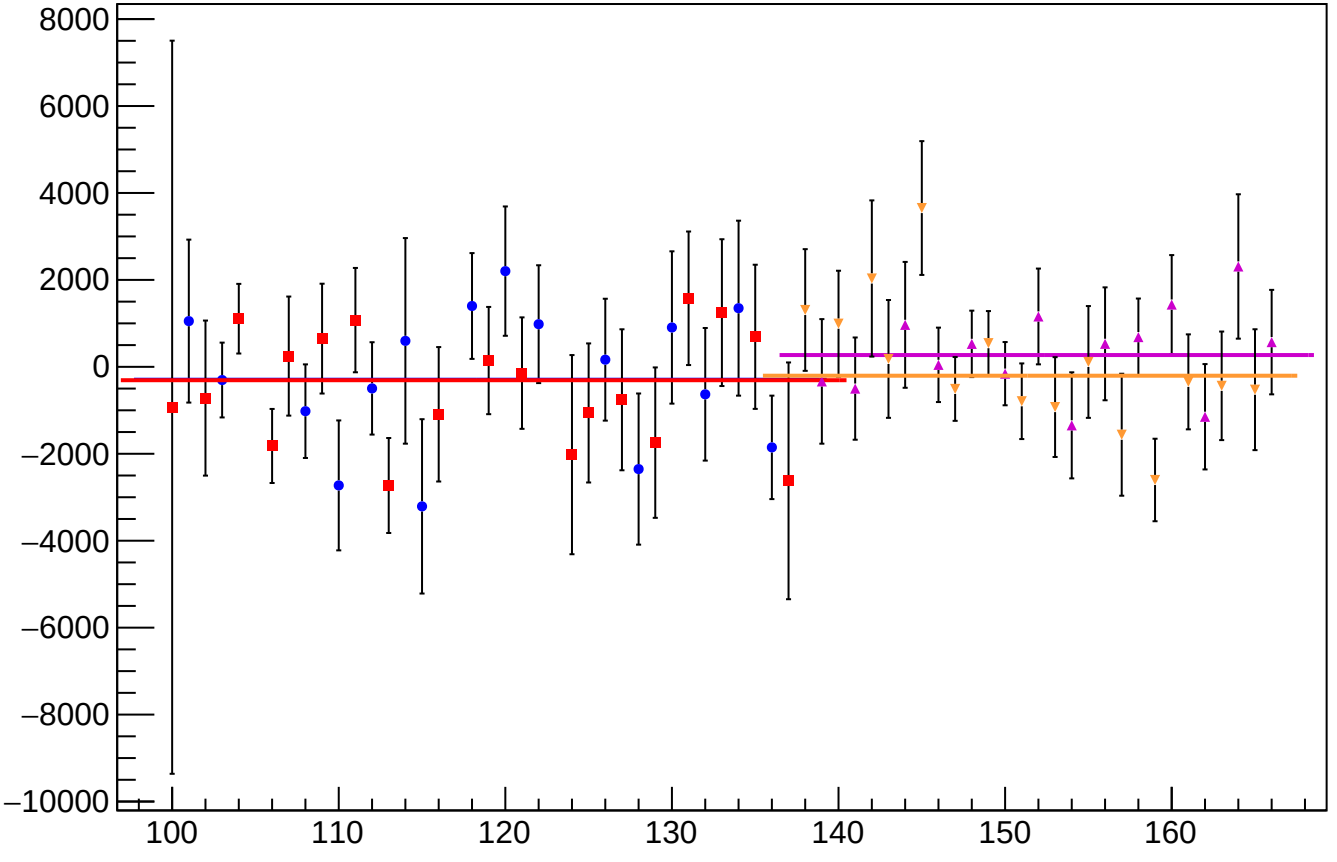
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.677+/-0.268 χ^2/NDF:675150.1/29

Out: 1620.983+/-0.262 χ^2/NDF:141870.2/33

All: 1623.770+/-0.187 χ^2/NDF: 817251.1/63

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -204.139+/-283.411 χ^2/NDF:19.6/14

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 271.220+/-282.589 χ^2/NDF:8.0/13

Left: 34.231+/-200.111 χ^2/NDF: 29.0/28

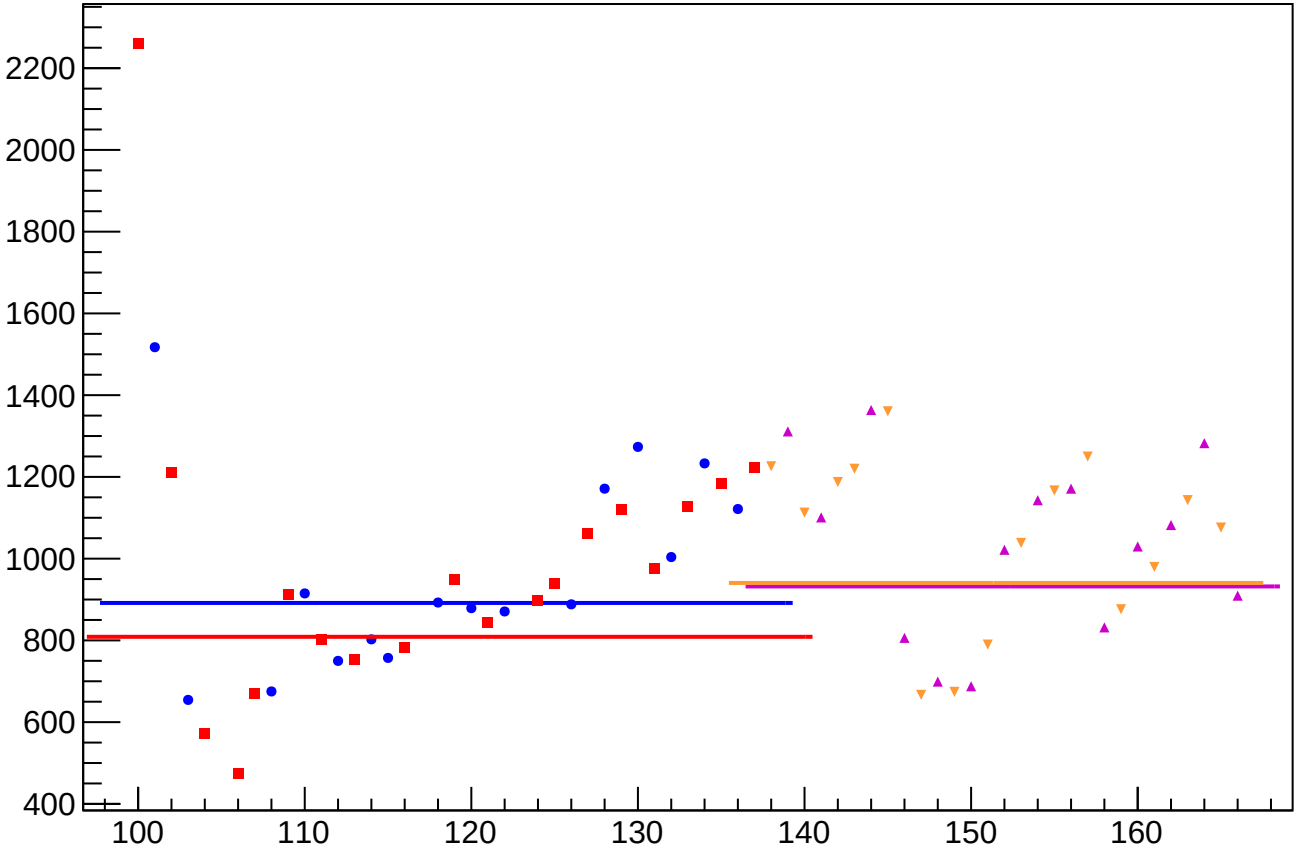
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: 42.044+/-218.214 χ^2/NDF:25.6/29

Out: -250.785+/-210.079 χ^2/NDF:38.4/33

All: -109.931+/-151.342 χ^2/NDF: 64.9/63

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 940.608+/-0.200 χ^2/NDF:1250753.9/14

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 932.018+/-0.200 χ^2/NDF:1115280.5/13

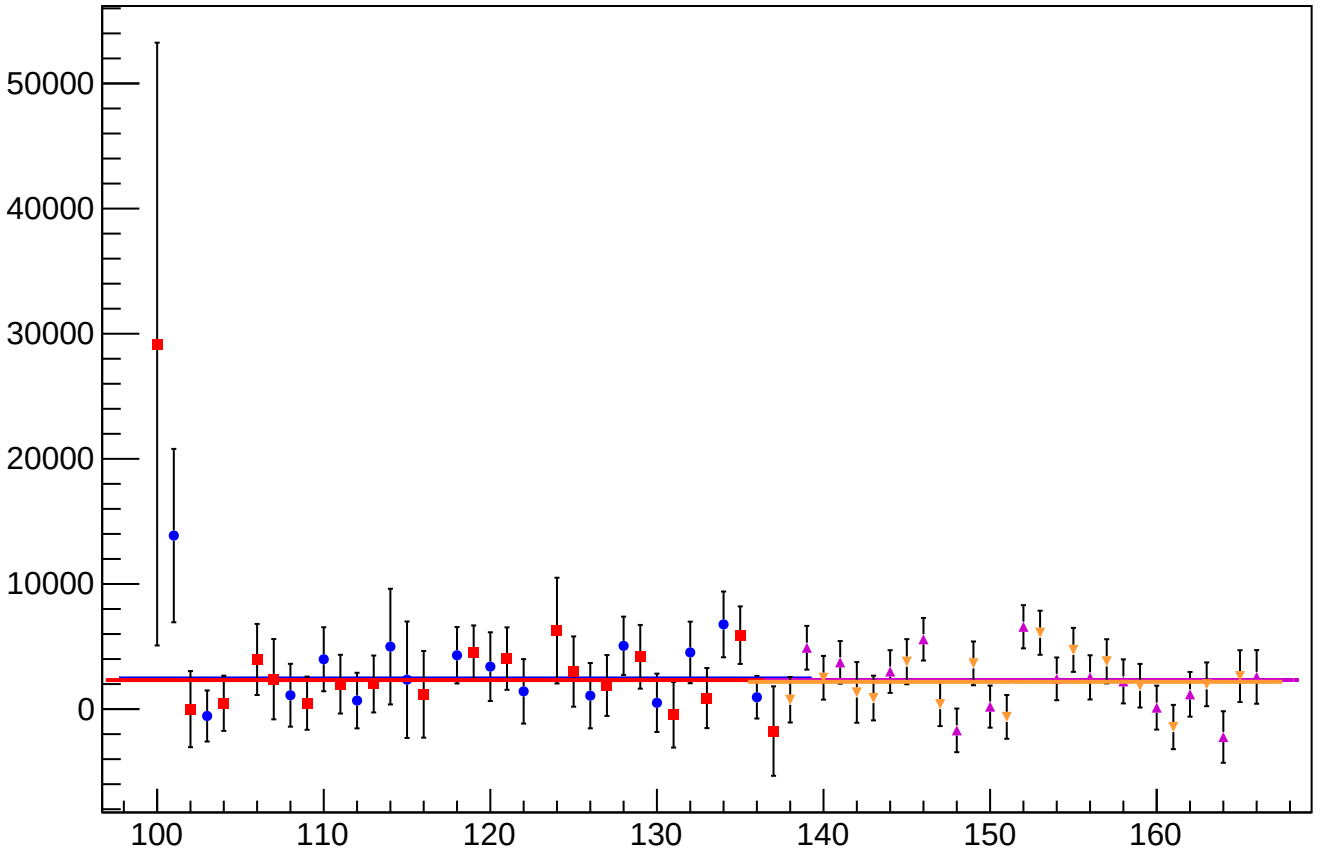
Left: 936.301+/-0.141 χ^2/NDF: 2366955.8/28

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 915.714+/-0.154 χ^2/NDF:1925667.9/29

Out: 881.226+/-0.149 χ^2/NDF:2529473.0/33

All: 897.815+/-0.107 χ^2/NDF: 4481067.4/63



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2327.582+/-473.711 χ^2/NDF:26.6/13

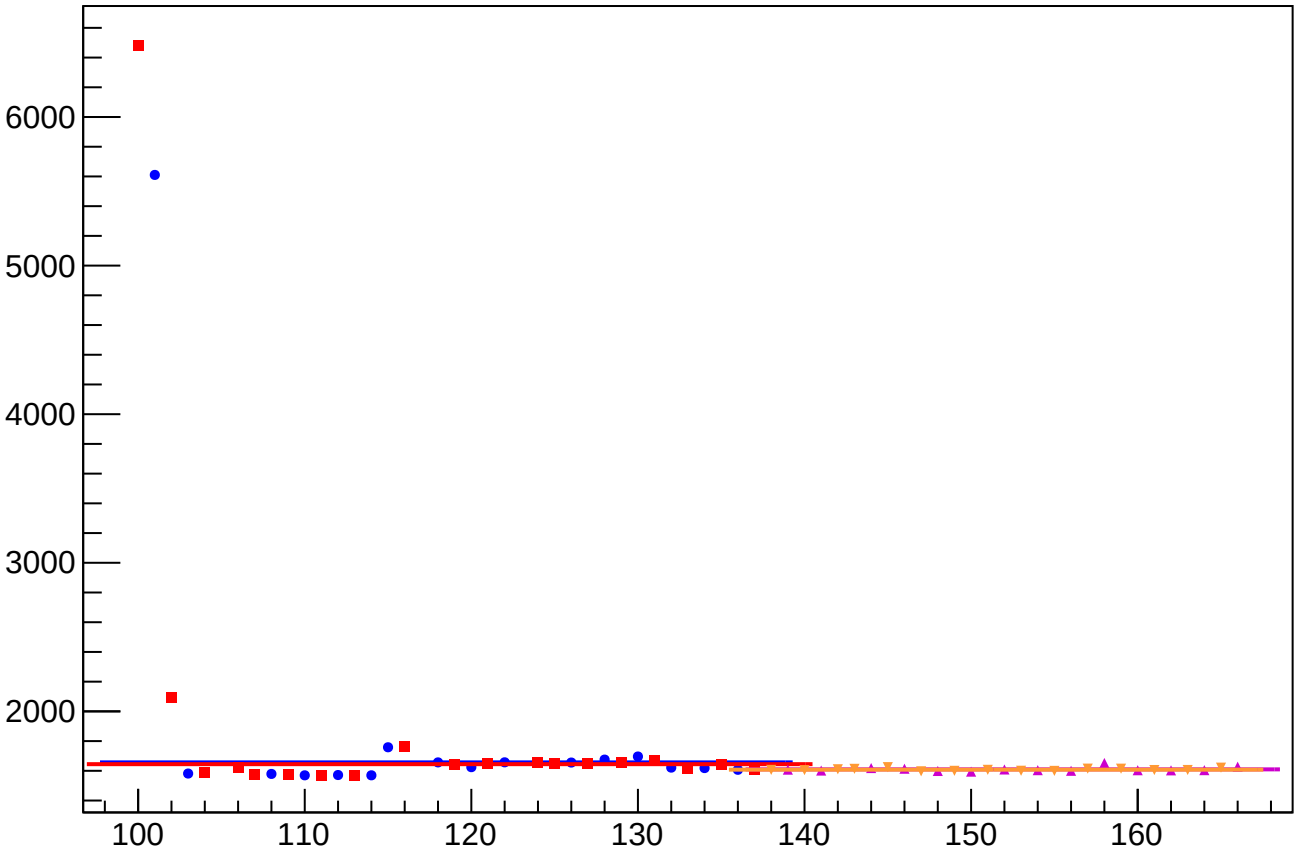
Left: 2253.423+/-332.734 χ^2/NDF: 45.3/28

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2371.558+/-378.670 χ^2/NDF:40.5/29

Out: 2232.808+/-370.965 χ^2/NDF:30.7/33

All: 2300.757+/-264.994 χ^2/NDF: 71.2/63



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

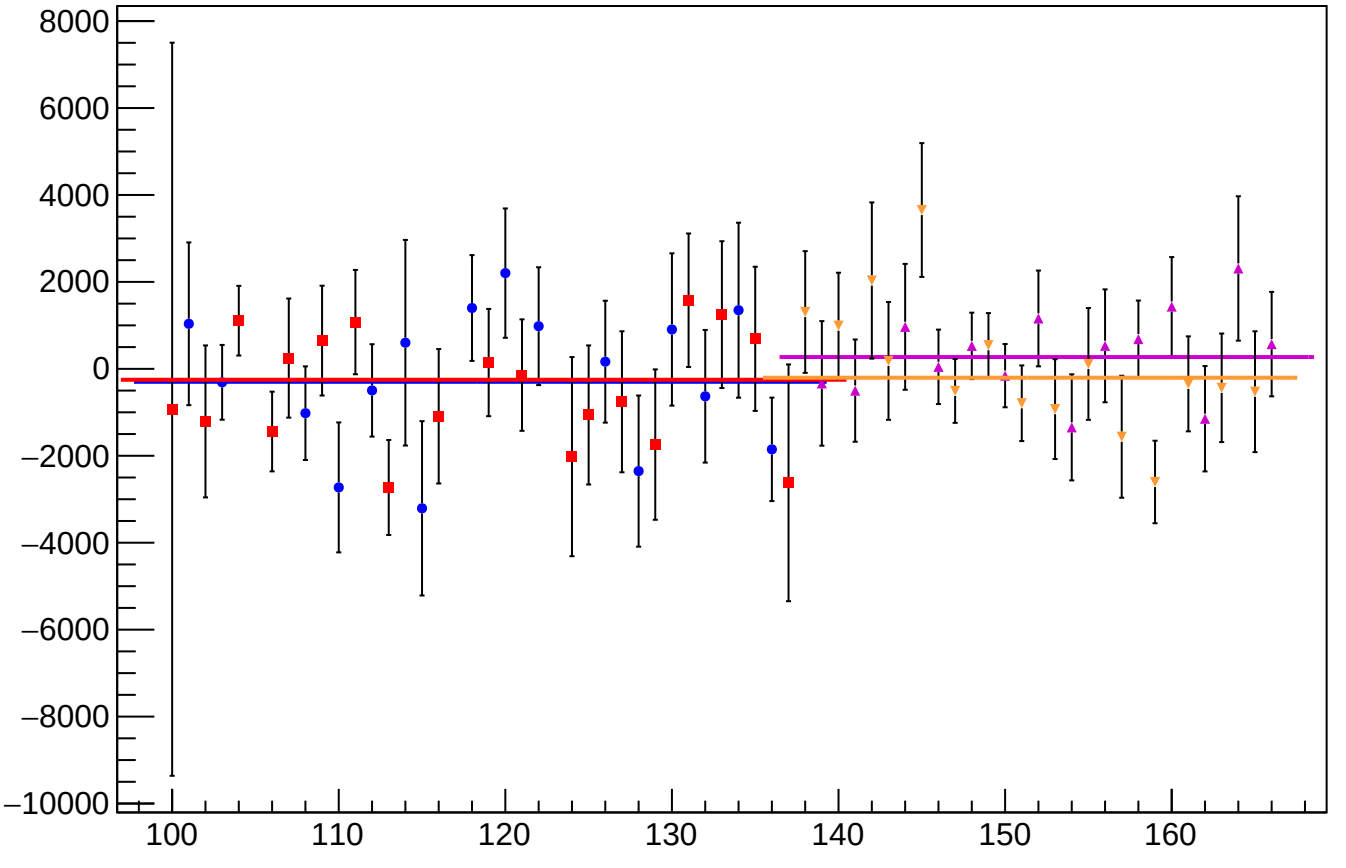
Left: 1608.731+/-0.235 χ^2/NDF: 2403.4/28

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.677+/-0.268 χ^2/NDF:675149.7/29

Out: 1621.452+/-0.262 χ^2/NDF:141671.6/33

All: 1624.010+/-0.187 χ^2/NDF: 817015.5/63



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -204.204+/-283.409 χ^2/NDF:19.6/14

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 271.256+/-282.590 χ^2/NDF:8.0/13

Left: 34.215+/-200.110 χ^2/NDF: 29.0/28

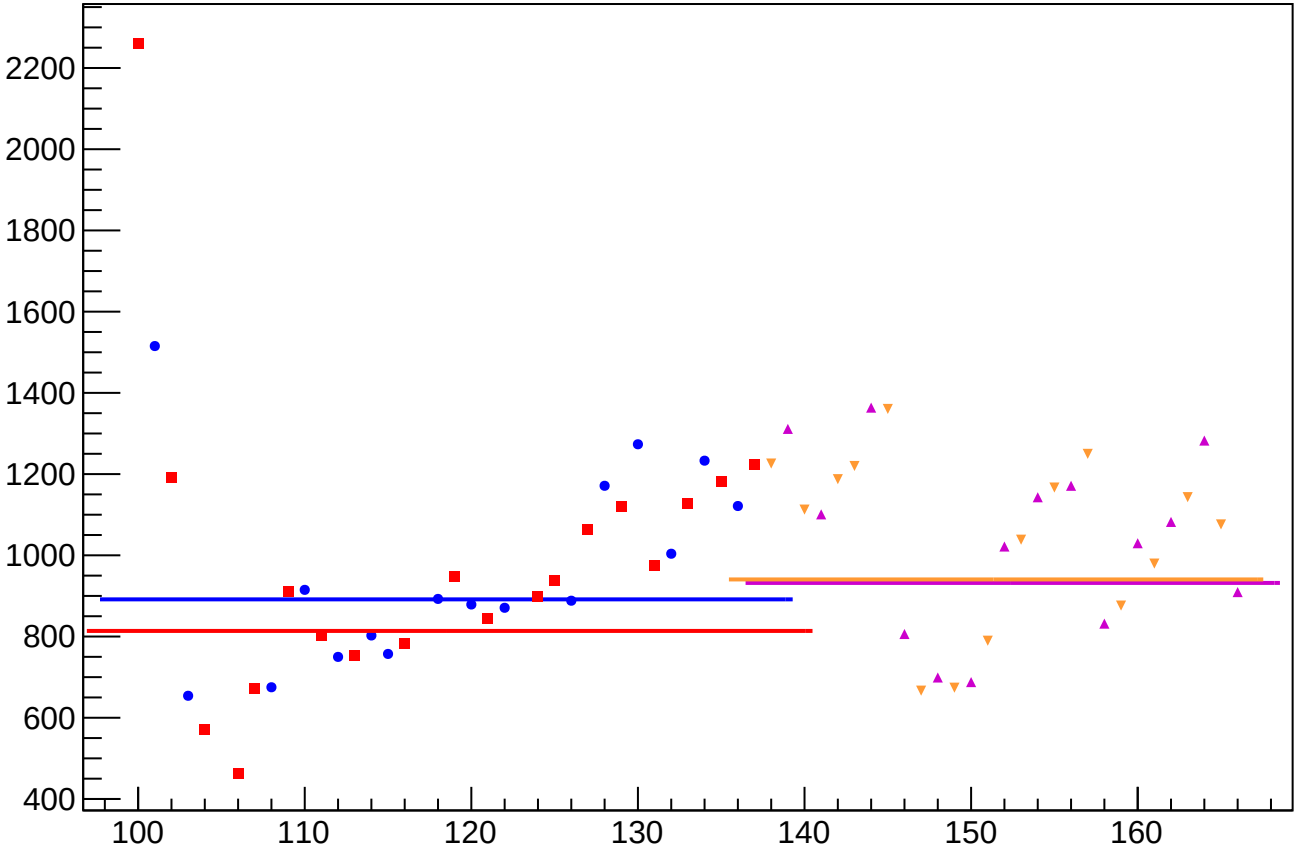
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 41.485+/-218.203 χ^2/NDF:25.6/29

Out: -225.186+/-210.910 χ^2/NDF:36.9/33

All: -96.381+/-151.649 χ^2/NDF: 63.2/63

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 932.022+/-0.200 χ^2/NDF:1115234.3/13

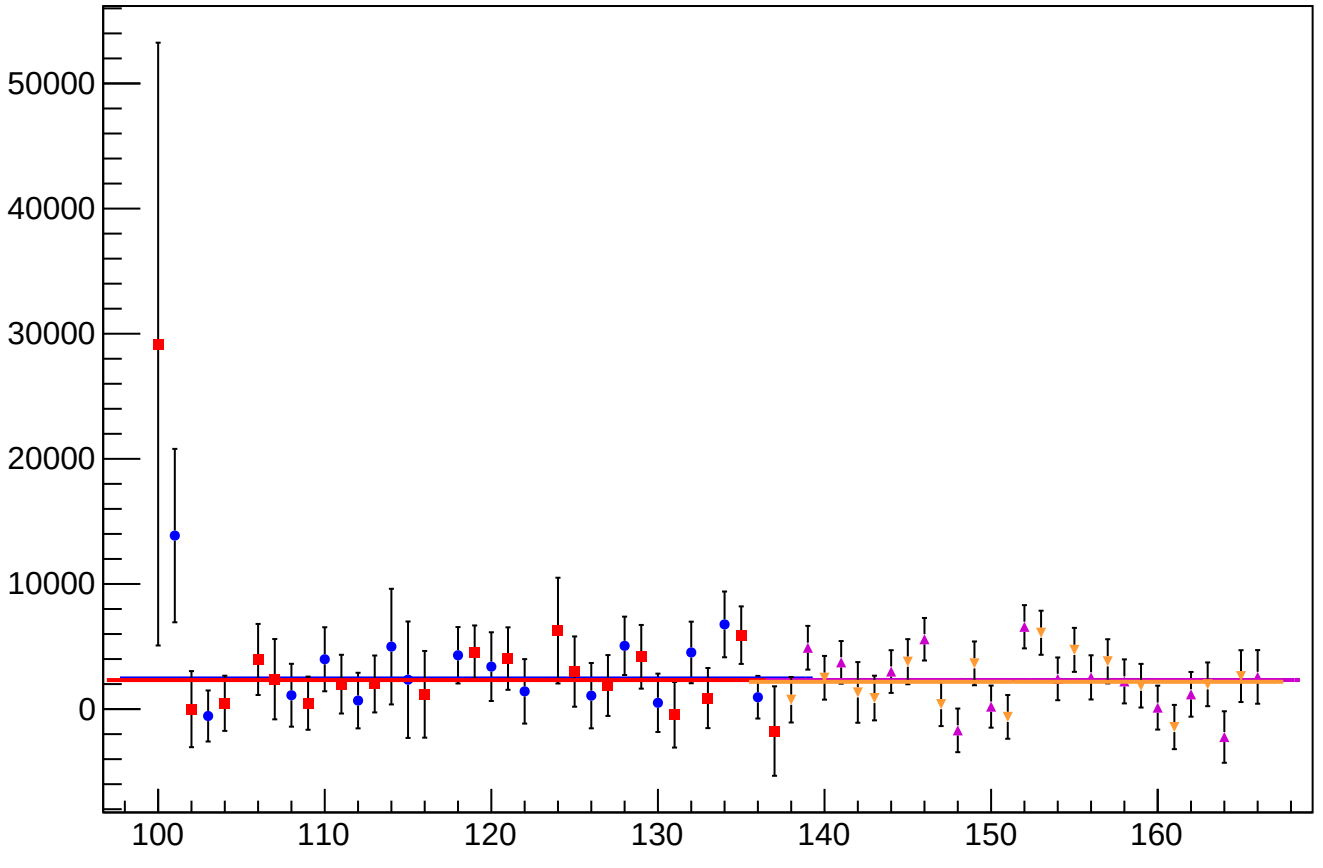
Left: 936.299+/-0.141 χ^2/NDF: 2367002.2/28

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.674+/-0.154 χ^2/NDF:1925470.0/29

Out: 884.027+/-0.149 χ^2/NDF:2482449.7/33

All: 899.313+/-0.107 χ^2/NDF: 4429668.5/63



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2327.582+/-473.711 χ^2/NDF:26.6/13

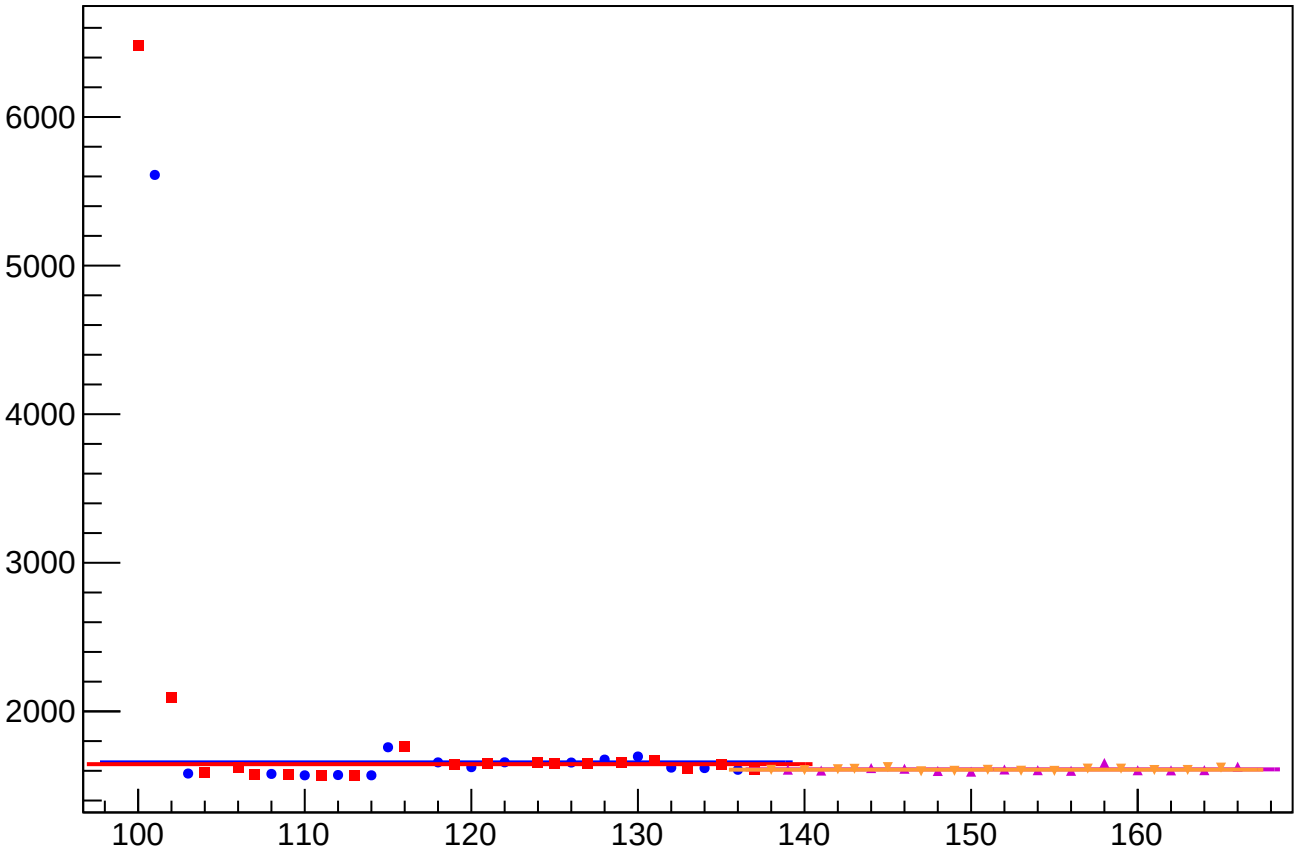
Left: 2253.423+/-332.734 χ^2/NDF: 45.3/28

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2371.558+/-378.670 χ^2/NDF:40.5/29

Out: 2232.808+/-370.965 χ^2/NDF:30.7/33

All: 2300.757+/-264.994 χ^2/NDF: 71.2/63



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.724+/-0.335 χ^2/NDF:1828.8/13

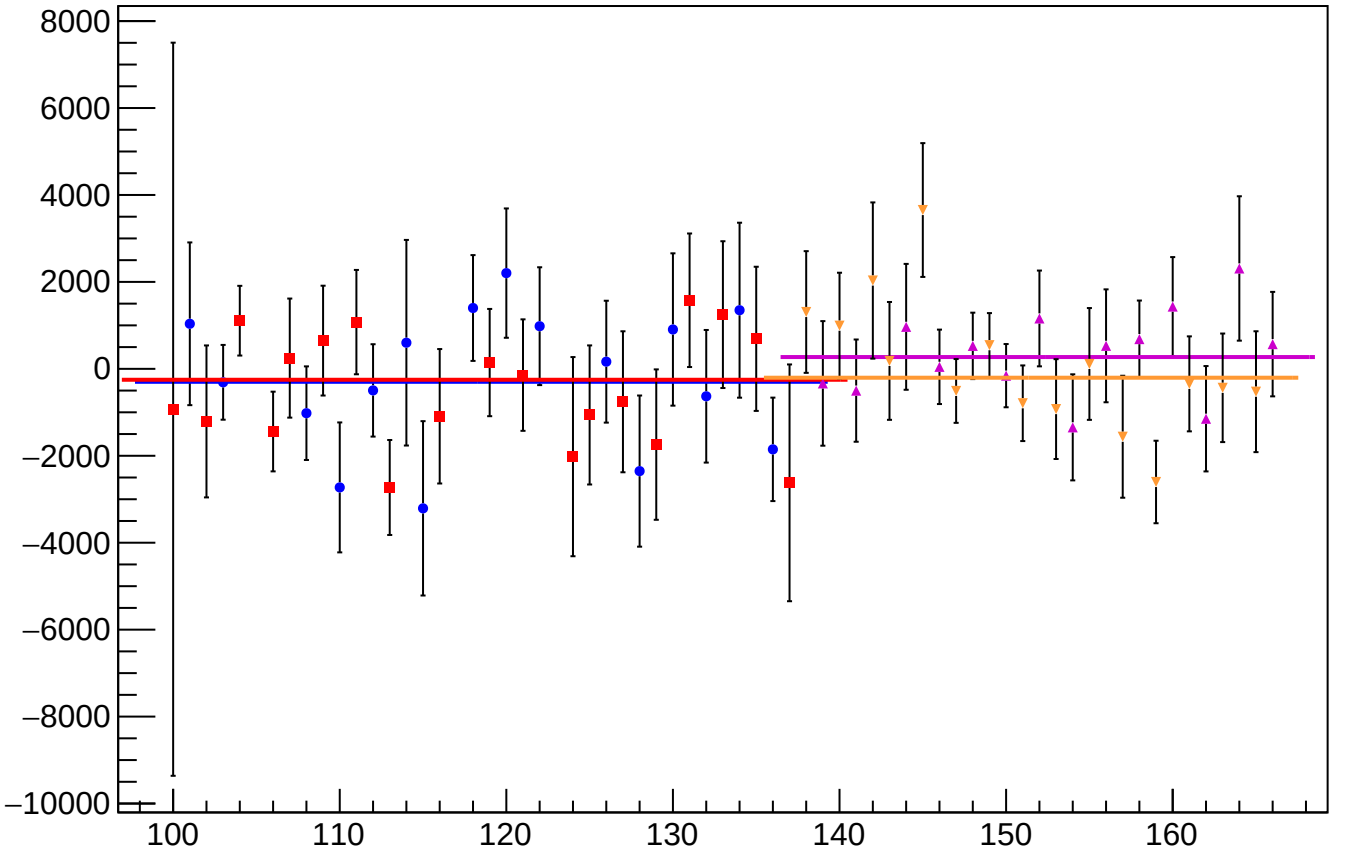
Left: 1608.731+/-0.235 χ^2/NDF: 2403.4/28

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.677+/-0.268 χ^2/NDF:675149.7/29

Out: 1621.452+/-0.262 χ^2/NDF:141671.6/33

All: 1624.010+/-0.187 χ^2/NDF: 817015.5/63



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -204.204+/-283.409 χ^2/NDF:19.6/14

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 271.256+/-282.590 χ^2/NDF:8.0/13

Left: 34.215+/-200.110 χ^2/NDF: 29.0/28

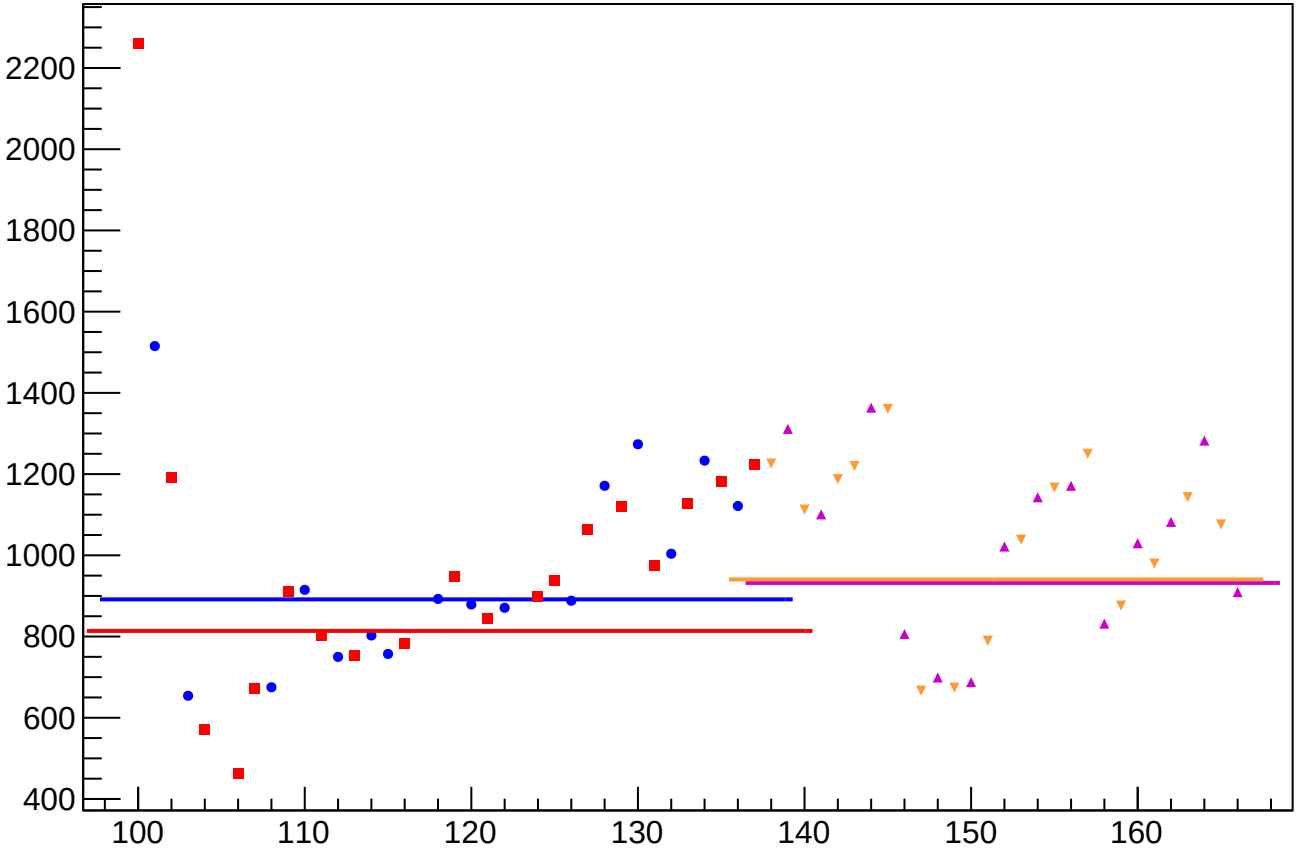
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 41.485+/-218.203 χ^2/NDF:25.6/29

Out: -225.186+/-210.910 χ^2/NDF:36.9/33

All: -96.381+/-151.649 χ^2/NDF: 63.2/63

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 932.022+/-0.200 χ^2/NDF:1115234.3/13

Left: 936.299+/-0.141 χ^2/NDF: 2367002.2/28

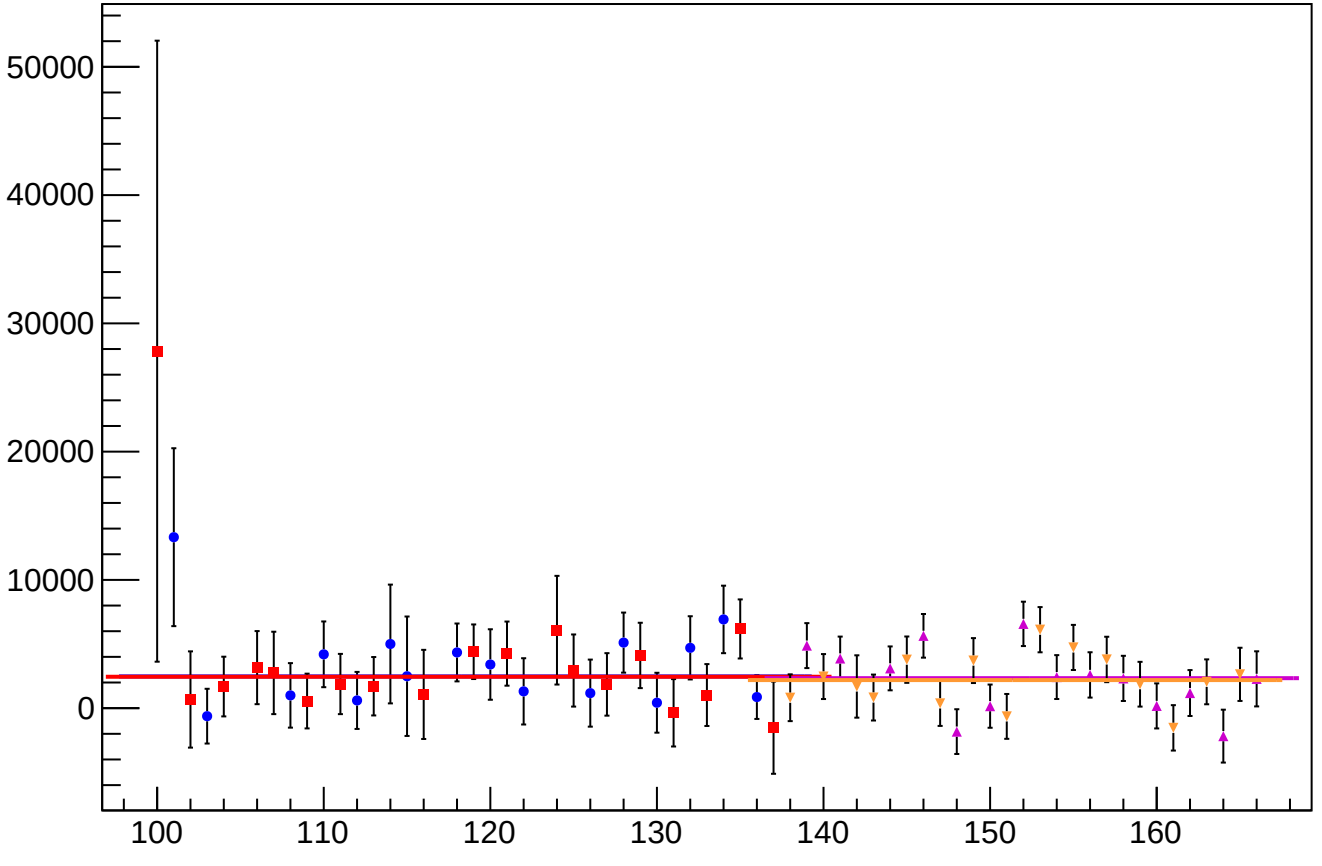
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.674+/-0.154 χ^2/NDF:1925470.0/29

Out: 884.027+/-0.149 χ^2/NDF:2482449.7/33

All: 899.313+/-0.107 χ^2/NDF: 4429668.5/63

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.757+/-468.177 χ^2/NDF:18.8/14

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2338.772+/-474.330 χ^2/NDF:27.0/13

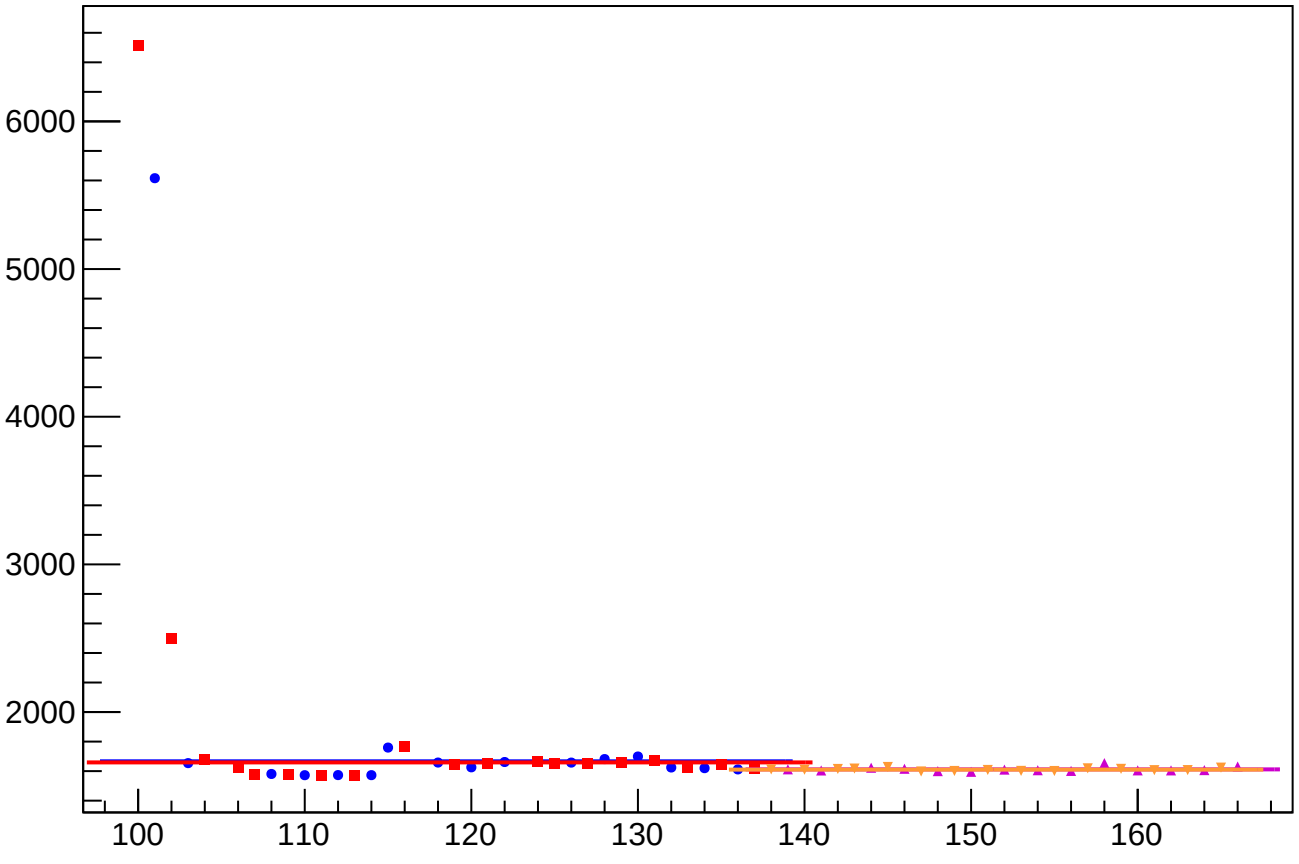
Left: 2263.292+/-333.205 χ^2/NDF: 45.9/28

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2387.755+/-379.771 χ^2/NDF:41.2/29

Out: 2284.398+/-373.078 χ^2/NDF:29.5/33

All: 2335.157+/-266.141 χ^2/NDF: 70.8/63



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.814+/-0.335 χ^2/NDF:1901.3/13

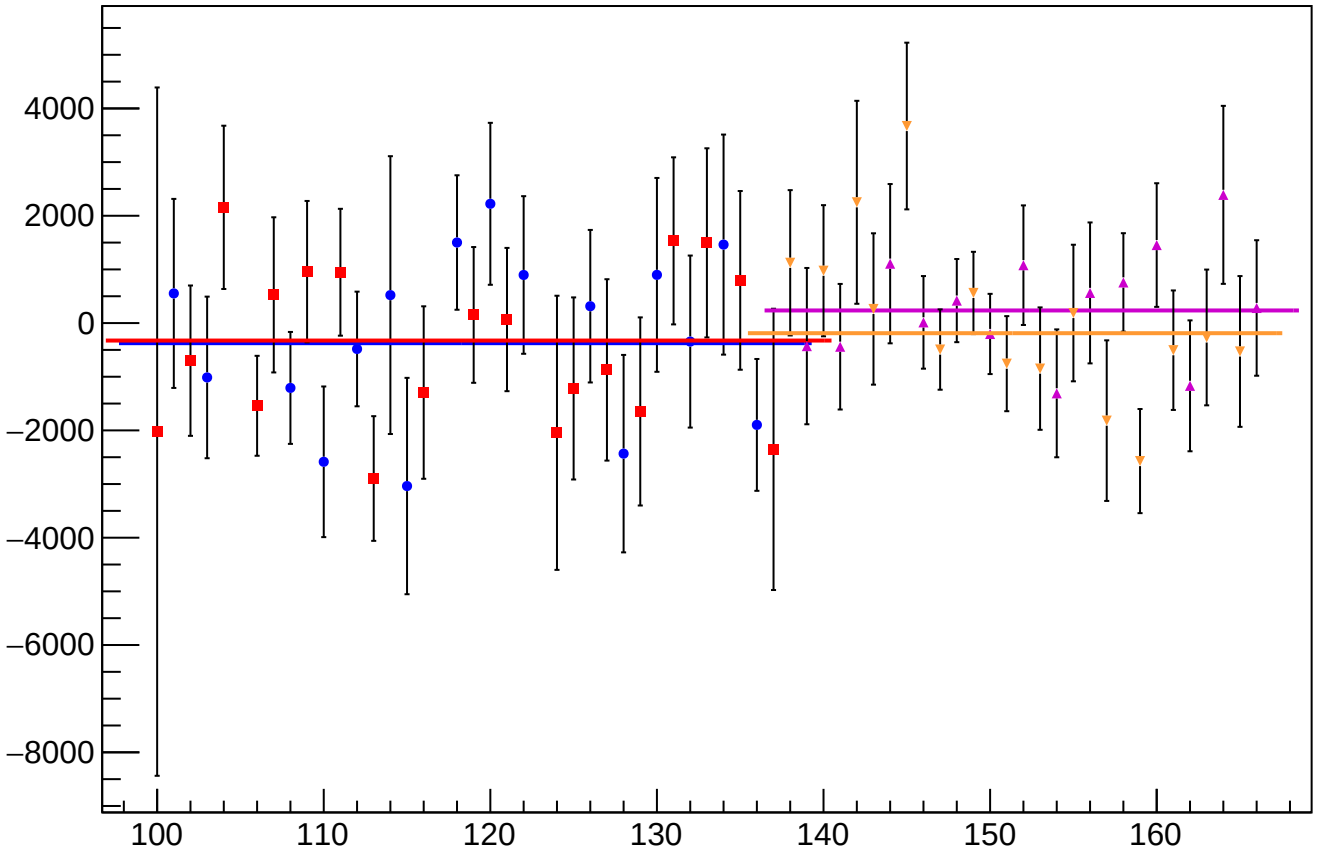
Left: 1611.001+/-0.236 χ^2/NDF: 2581.6/28

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1631.408+/-0.269 χ^2/NDF:674323.5/29

Out: 1628.019+/-0.264 χ^2/NDF:201822.3/33

All: 1629.683+/-0.188 χ^2/NDF: 876226.9/63



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -188.549+/-288.627 χ^2/NDF:19.1/14

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 235.168+/-286.945 χ^2/NDF:8.1/13

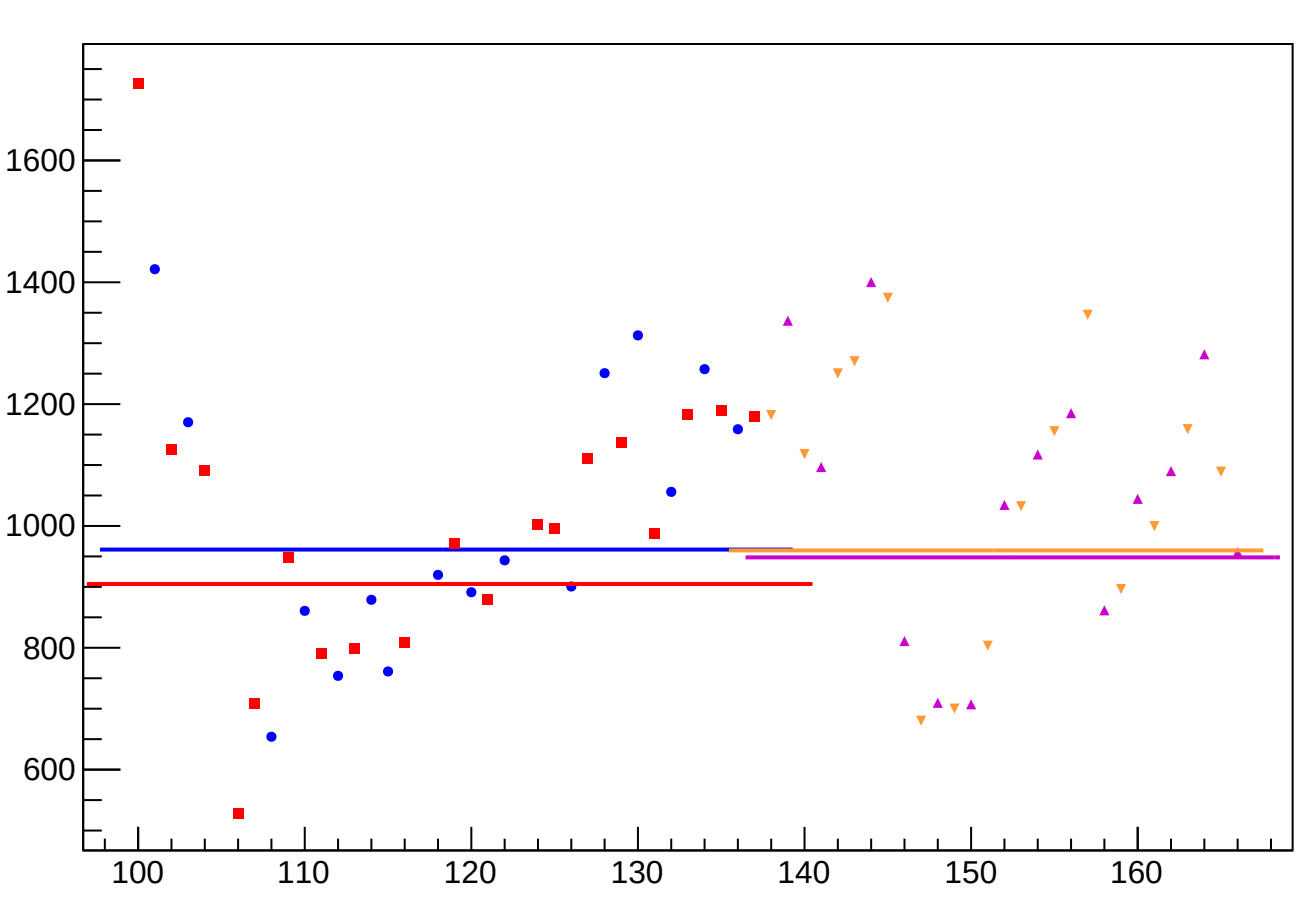
Left: 24.547+/-203.493 χ^2/NDF: 28.3/28

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: 4.569+/-226.272 χ^2/NDF:25.6/29

Out: -245.857+/-220.203 χ^2/NDF:36.6/33

All: -124.047+/-157.809 χ^2/NDF: 62.8/63



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 959.845+/-0.204 χ^2/NDF:1211292.3/14

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 948.376+/-0.203 χ^2/NDF:1065308.3/13

Left: 954.077+/-0.144 χ^2/NDF: 2278188.9/28

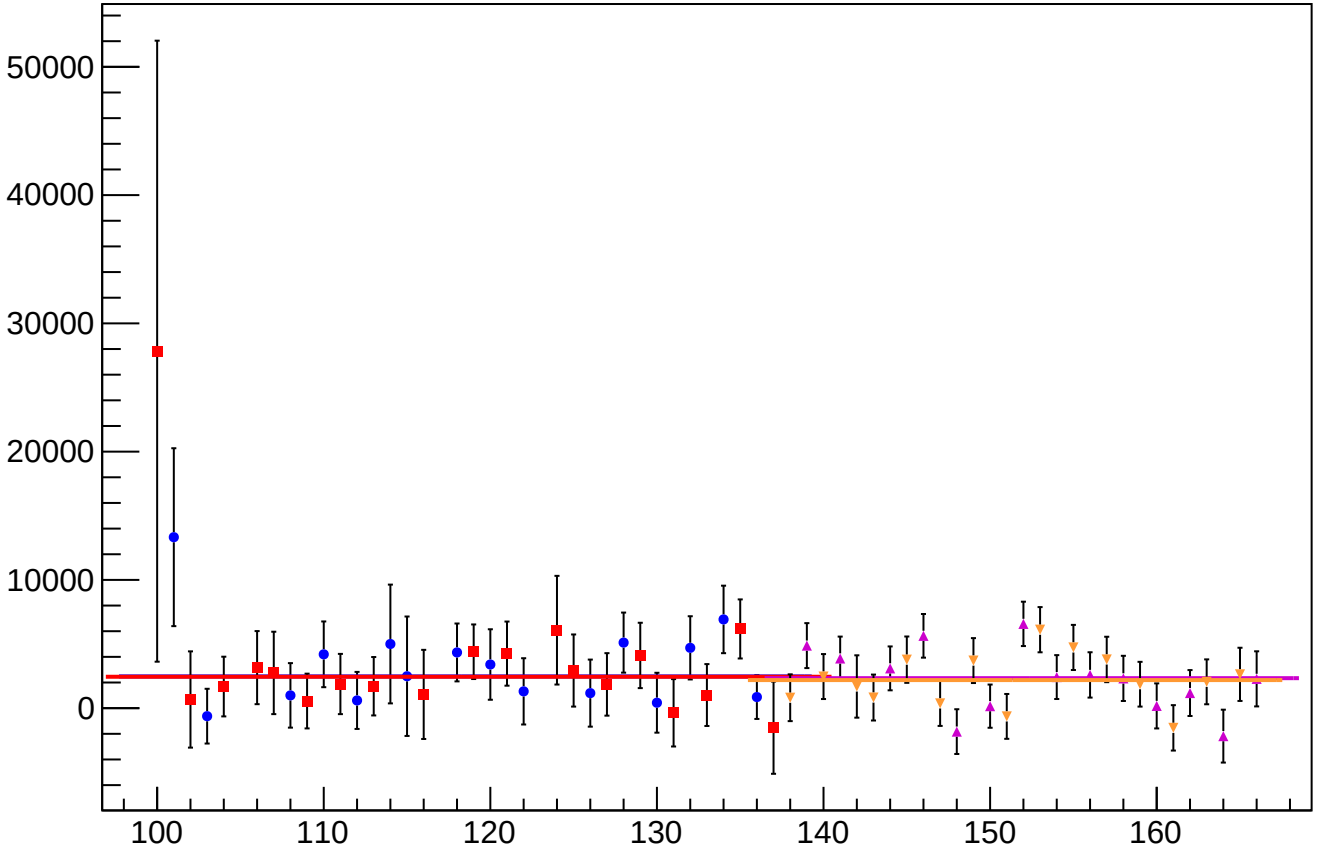
Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 953.242+/-0.160 χ^2/NDF:1758704.5/29

Out: 936.813+/-0.156 χ^2/NDF:1978249.5/33

All: 944.804+/-0.112 χ^2/NDF: 3742368.5/63

eigen_dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.756+/-468.177 χ^2/NDF:18.8/14

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2338.772+/-474.330 χ^2/NDF:27.0/13

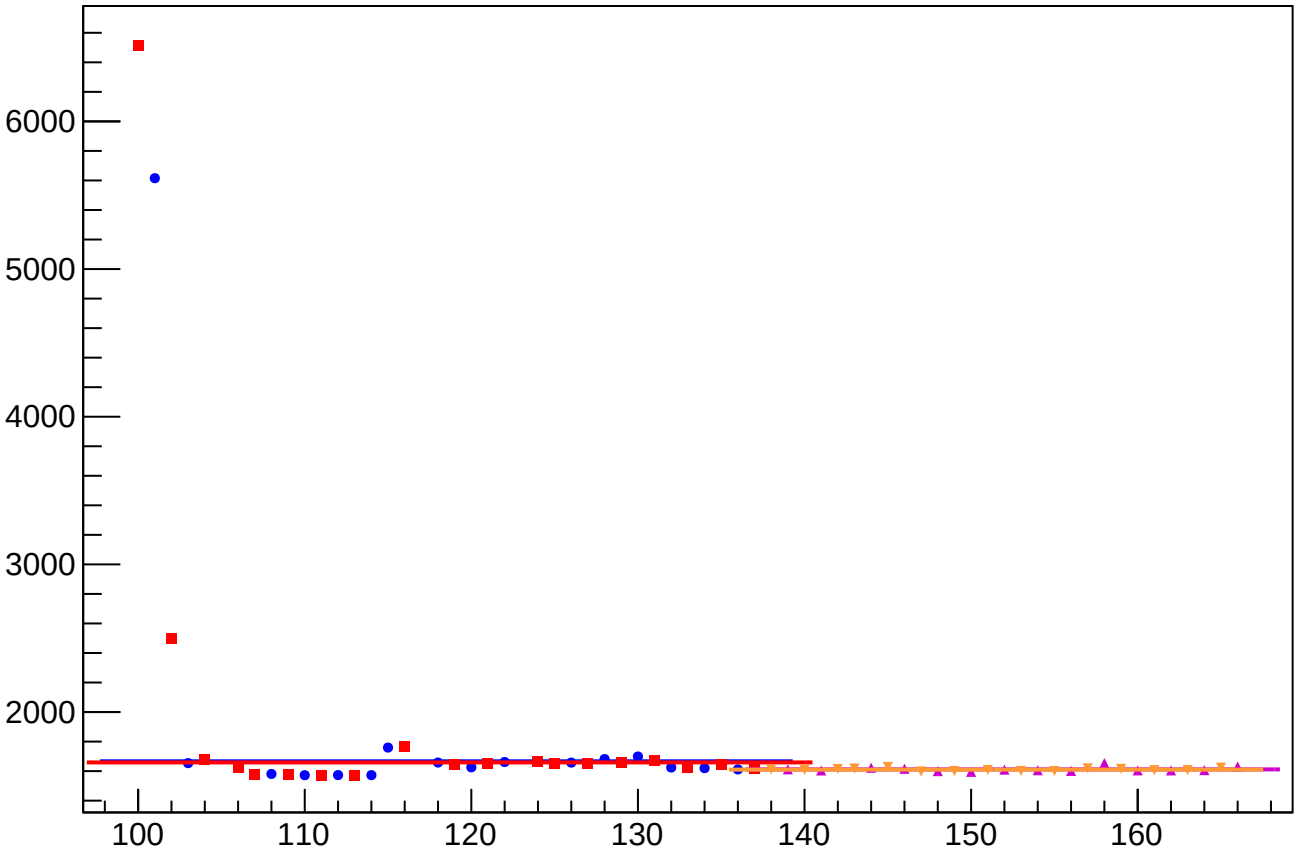
Left: 2263.291+/-333.205 χ^2/NDF: 45.9/28

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2387.755+/-379.771 χ^2/NDF:41.2/29

Out: 2284.397+/-373.078 χ^2/NDF:29.5/33

All: 2335.157+/-266.141 χ^2/NDF: 70.8/63



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.814+/-0.335 χ^2/NDF:1901.3/13

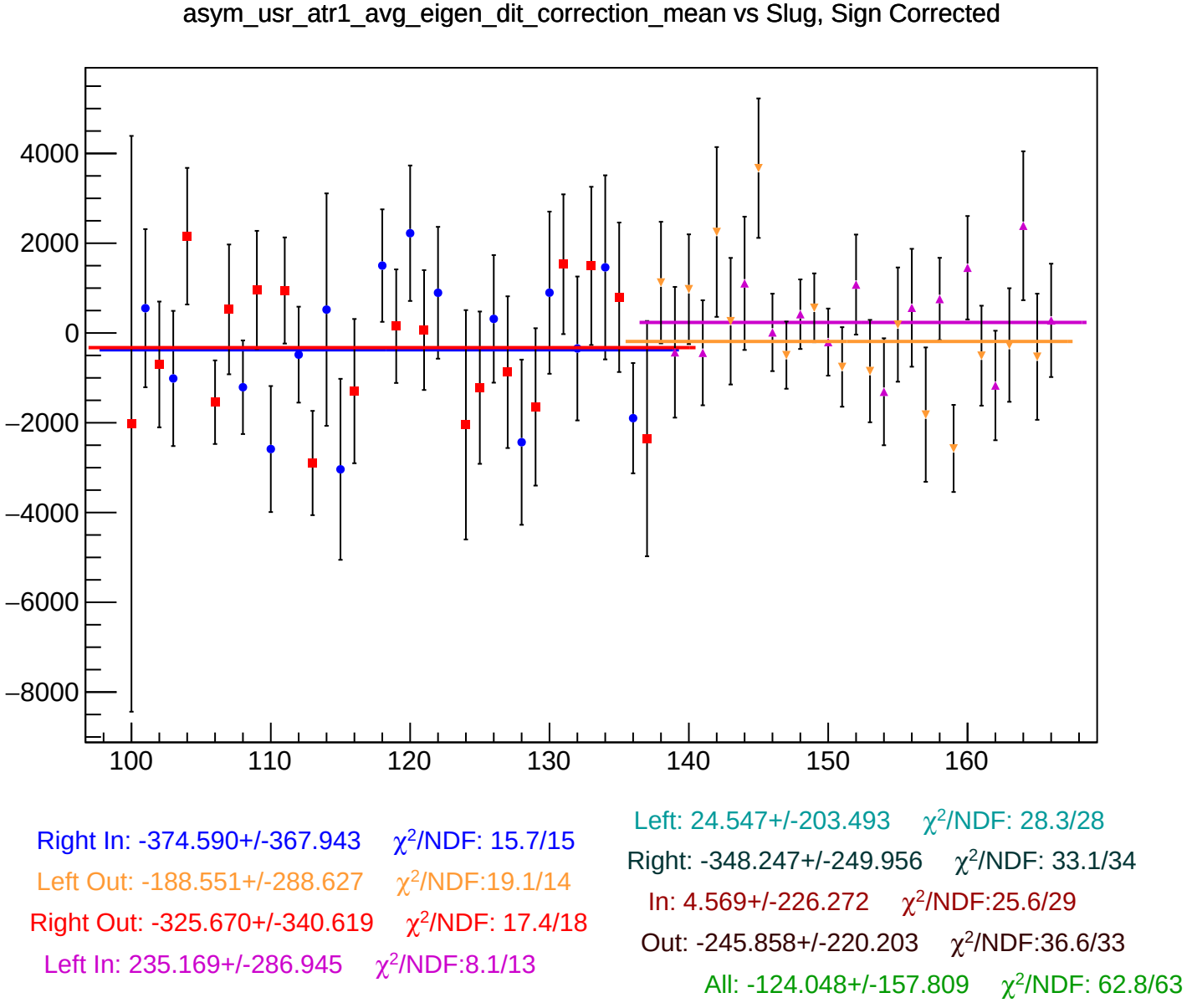
Left: 1611.001+/-0.236 χ^2/NDF: 2581.6/28

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

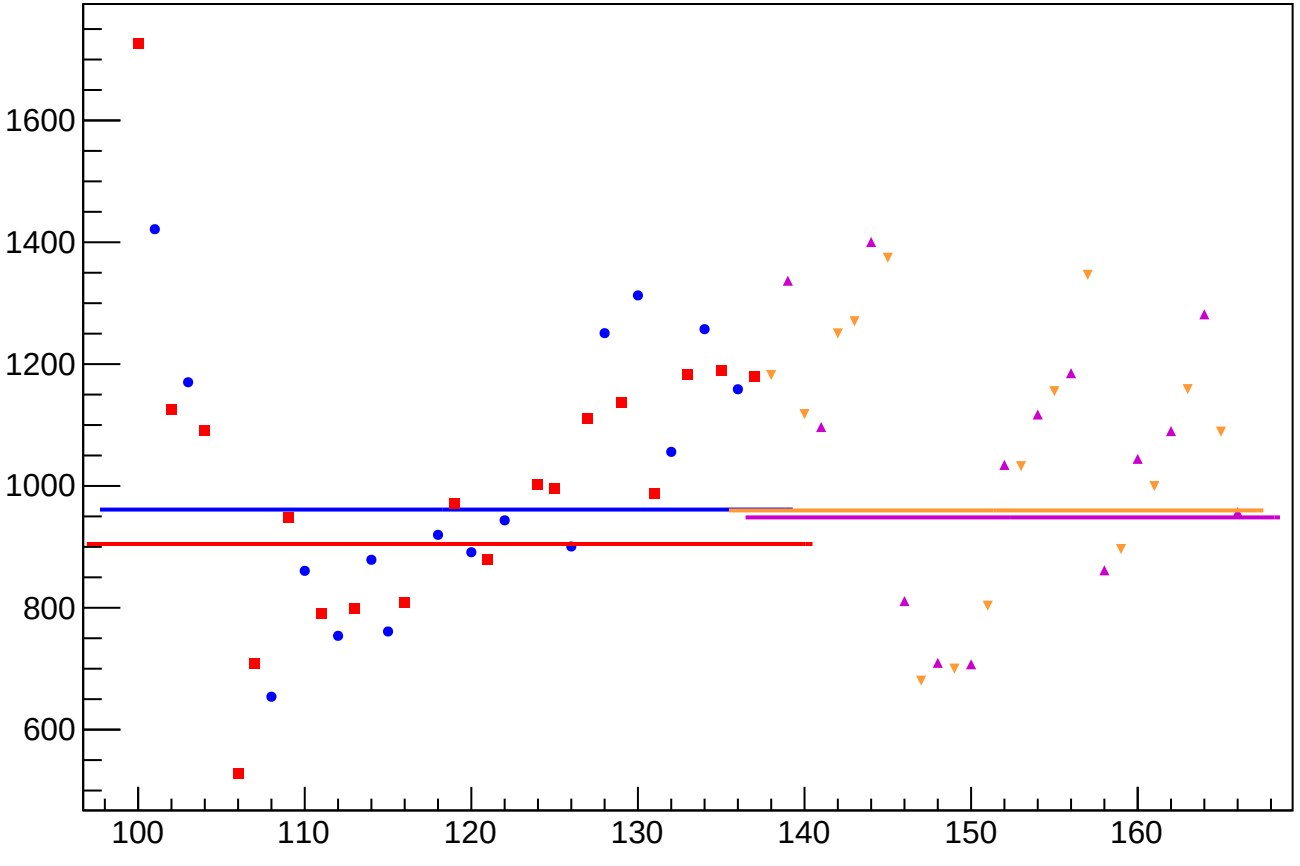
In: 1631.408+/-0.269 χ^2/NDF:674323.5/29

Out: 1628.018+/-0.264 χ^2/NDF:201822.0/33

All: 1629.683+/-0.188 χ^2/NDF: 876226.6/63


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -188.551+/-288.627 χ²/NDF:19.1/14
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 235.169+/-286.945 χ²/NDF:8.1/13
Left: 24.547+/-203.493 χ²/NDF: 28.3/28
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: 4.569+/-226.272 χ²/NDF:25.6/29
Out: -245.858+/-220.203 χ²/NDF:36.6/33
All: -124.048+/-157.809 χ²/NDF: 62.8/63

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 959.847+/-0.204 χ^2/NDF:1211295.1/14

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 948.378+/-0.203 χ^2/NDF:1065311.2/13

Left: 954.079+/-0.144 χ^2/NDF: 2278194.6/28

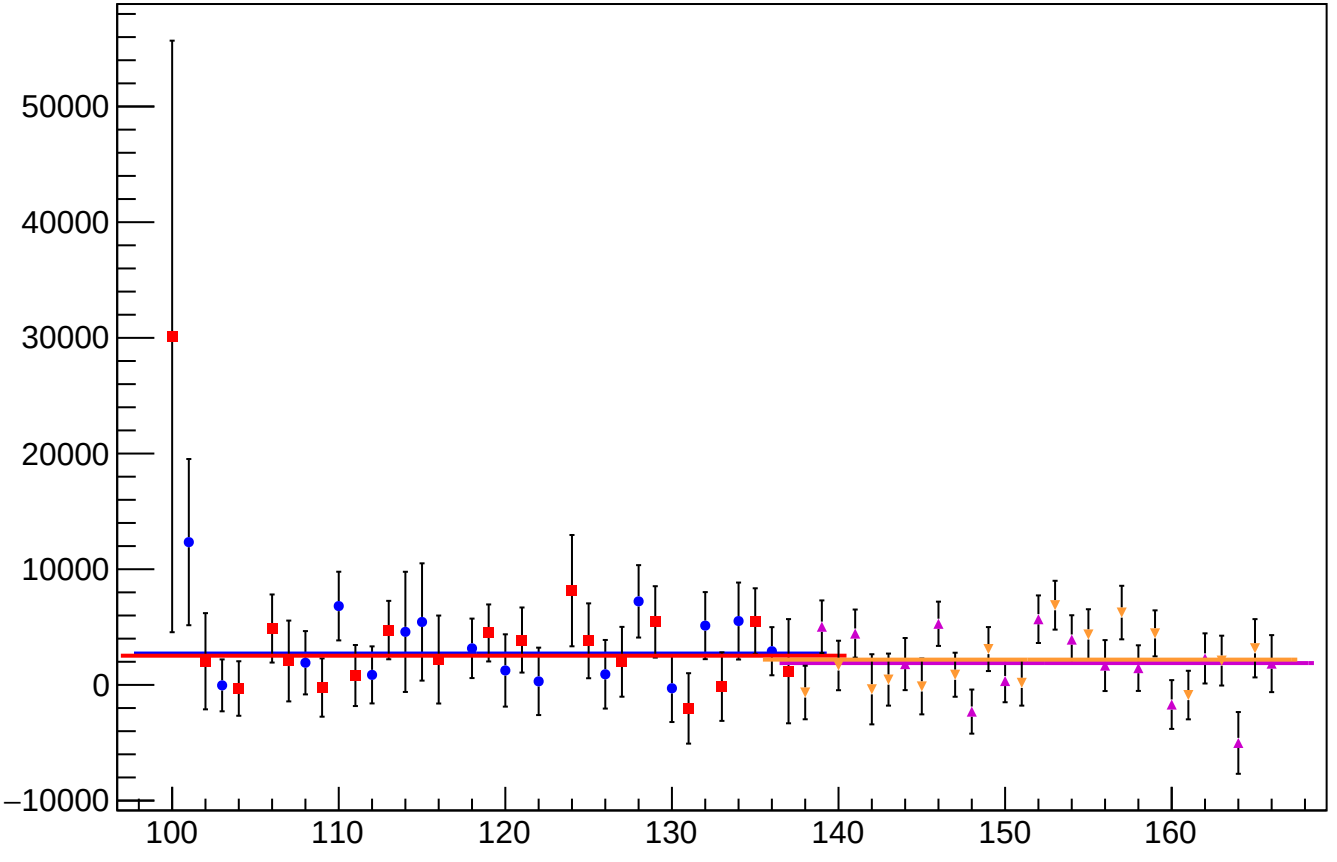
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 953.241+/-0.160 χ^2/NDF:1758714.0/29

Out: 936.813+/-0.156 χ^2/NDF:1978254.7/33

All: 944.804+/-0.112 χ^2/NDF: 3742383.2/63

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2185.827+/-561.867 χ^2/NDF:18.2/14

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1887.276+/-564.672 χ^2/NDF:26.1/13

Left: 2037.295+/-398.288 χ^2/NDF: 44.4/28

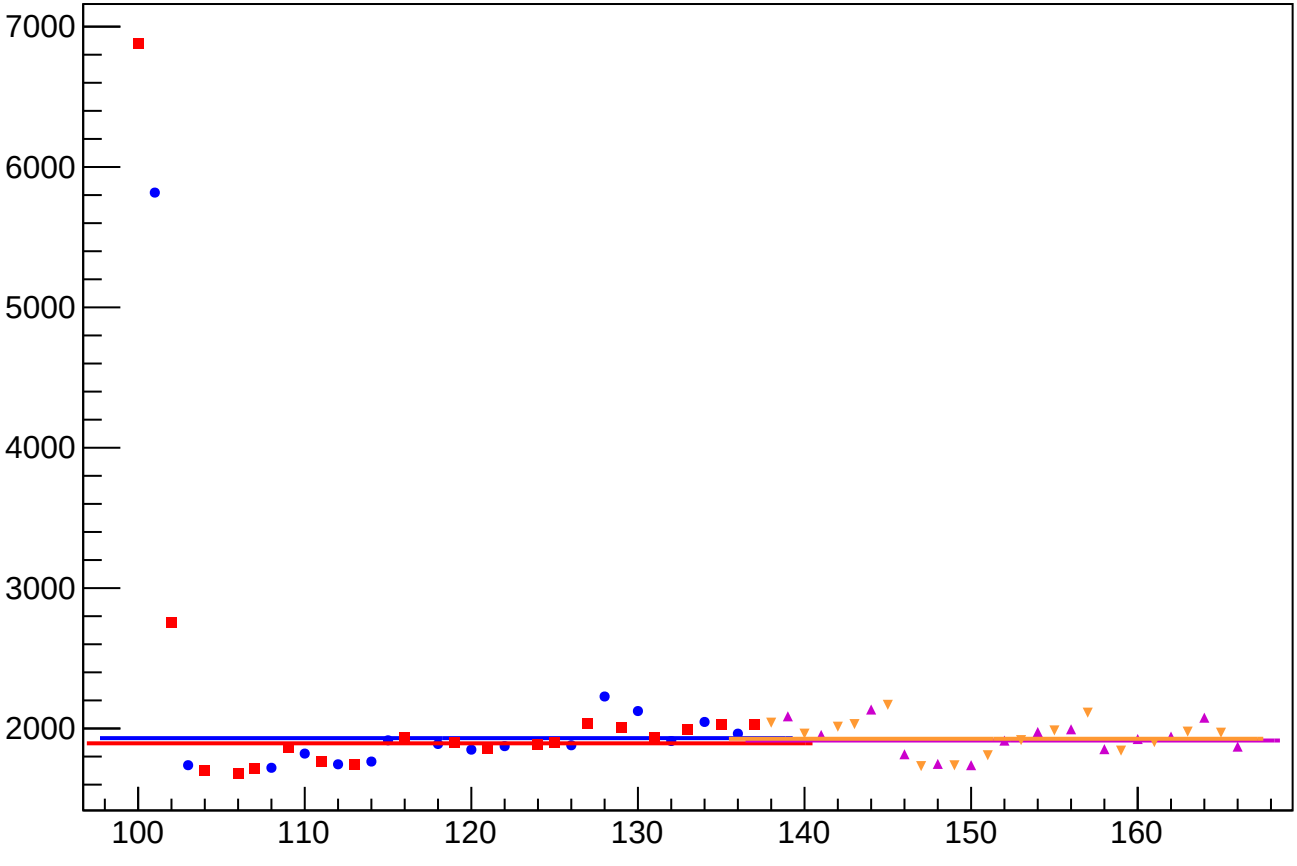
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2193.108+/-447.802 χ^2/NDF:39.0/29

Out: 2317.453+/-439.742 χ^2/NDF:31.6/33

All: 2256.409+/-313.756 χ^2/NDF: 70.6/63

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1926.815+/-0.397 χ^2/NDF:99359.6/14

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1914.323+/-0.399 χ^2/NDF:84948.8/13

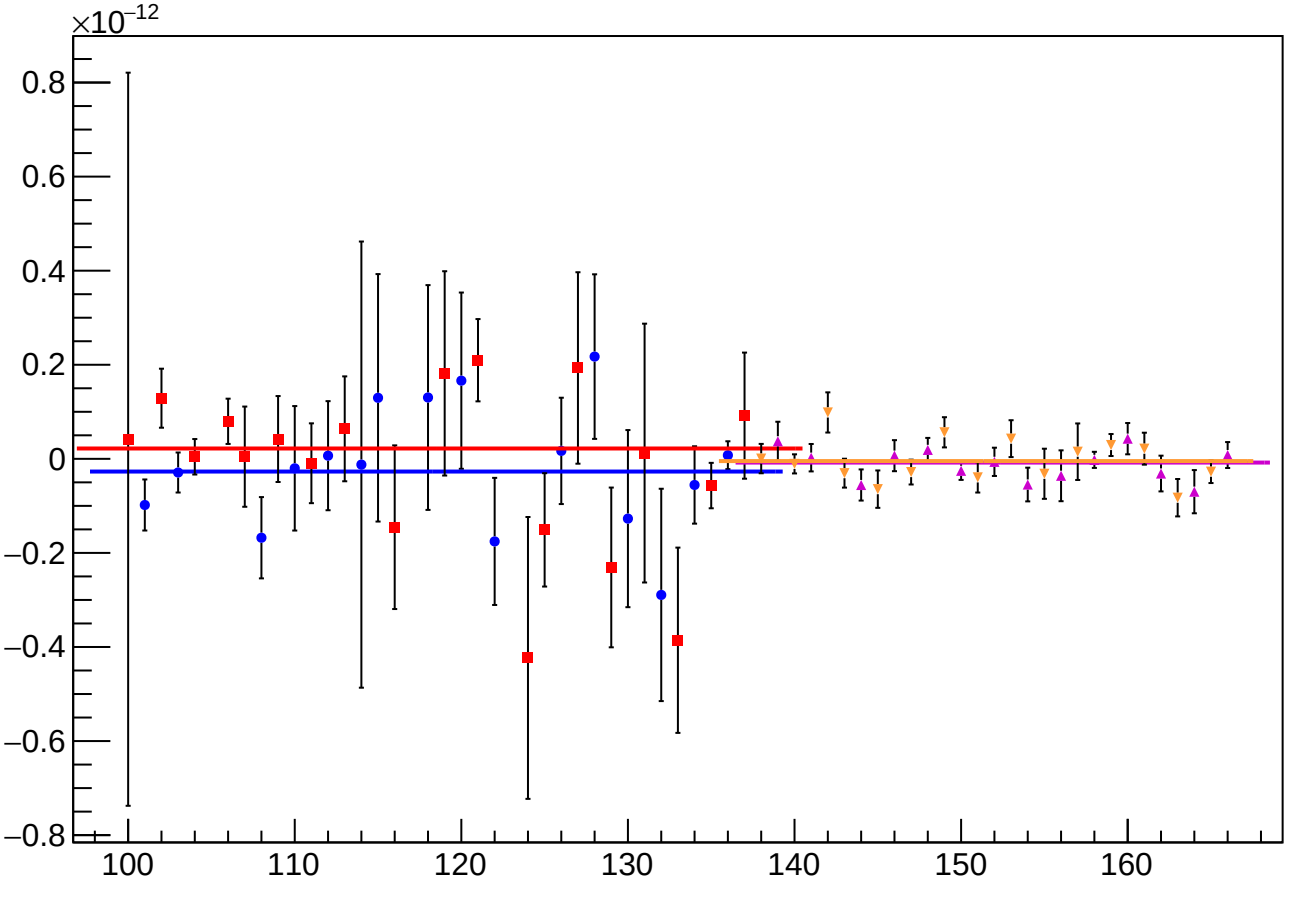
Left: 1920.600+/-0.282 χ^2/NDF: 184800.3/28

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1920.605+/-0.317 χ^2/NDF:746842.9/29

Out: 1914.235+/-0.311 χ^2/NDF:322488.1/33

All: 1917.362+/-0.222 χ^2/NDF: 1069536.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/13

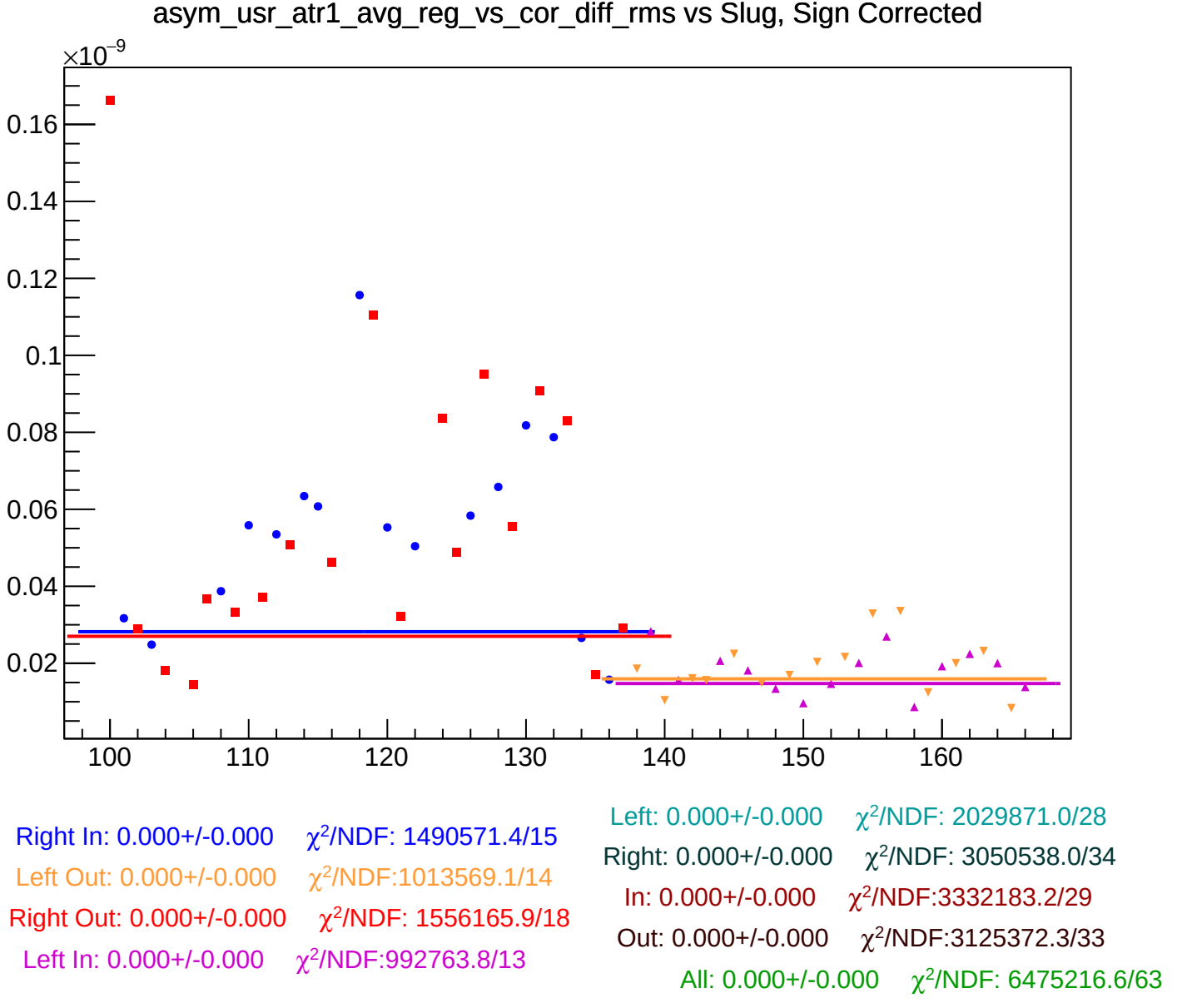
Left: -0.000+/-0.000 χ^2/NDF: 36.3/28

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

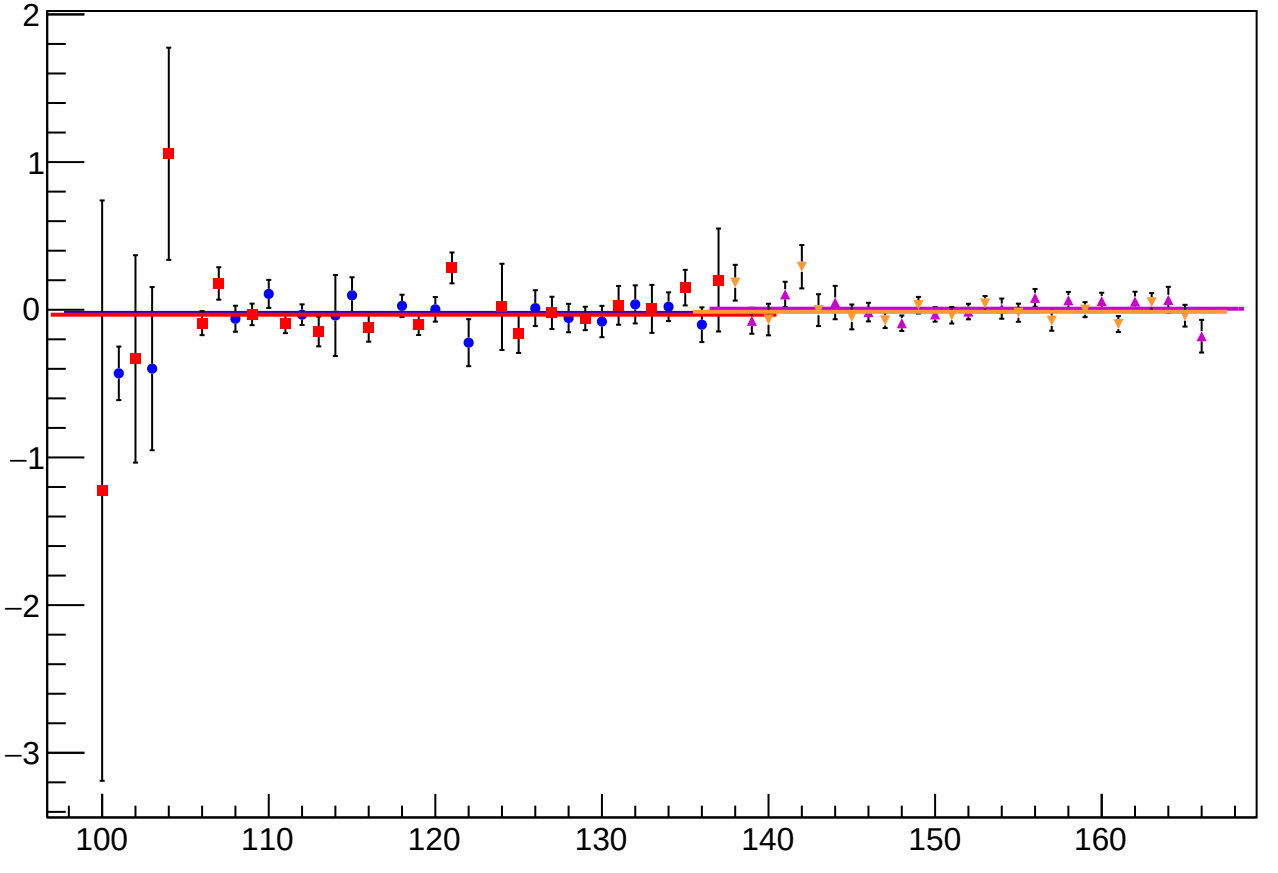
In: -0.000+/-0.000 χ^2/NDF:26.1/29

Out: -0.000+/-0.000 χ^2/NDF:50.8/33

All: -0.000+/-0.000 χ^2/NDF: 77.8/63


asym_usr_atr1_avg_reg_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1013569.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:992763.8/13
Left: 0.000+/-0.000 χ²/NDF: 2029871.0/28
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:3332183.2/29
Out: 0.000+/-0.000 χ²/NDF:3125372.3/33
All: 0.000+/-0.000 χ²/NDF: 6475216.6/63

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

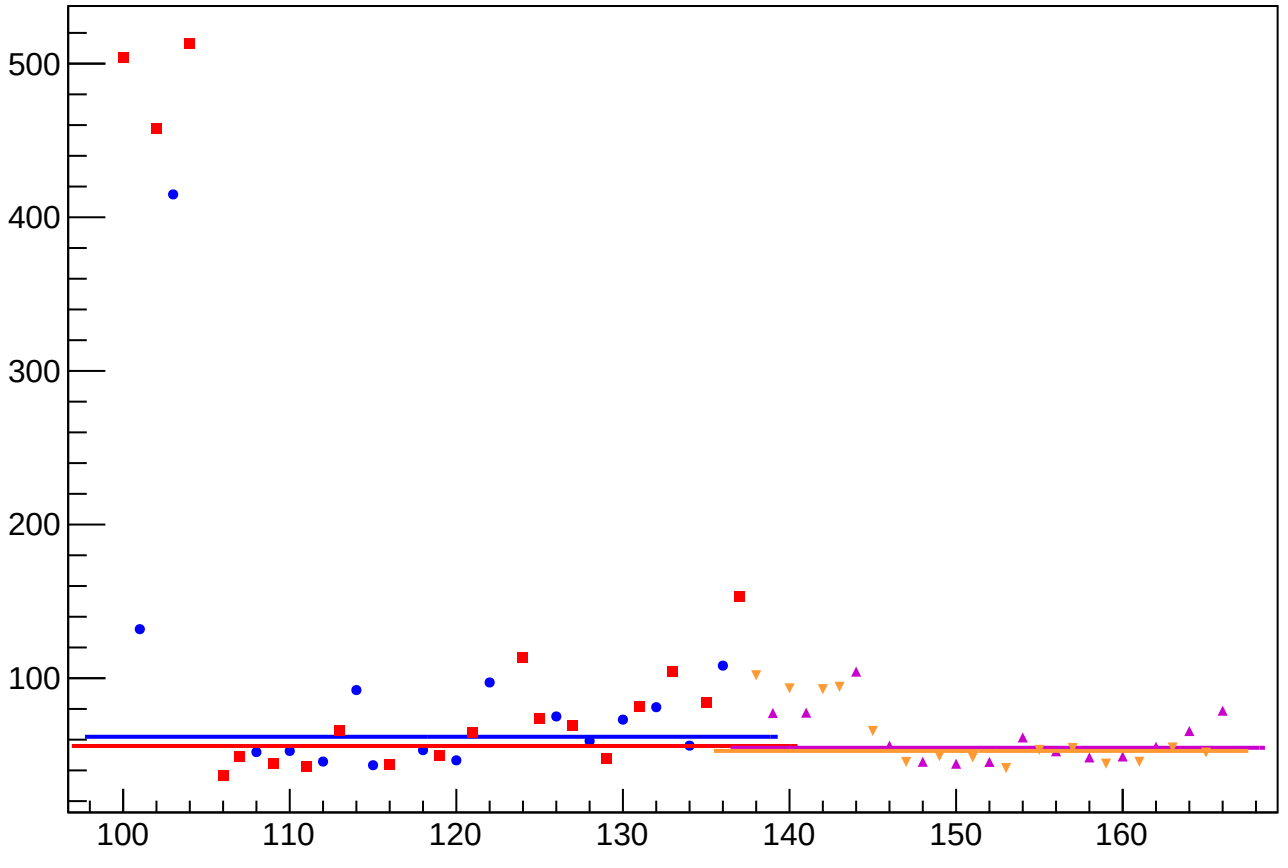
Left: -0.004+/-0.012 χ^2/NDF: 29.8/28

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.011+/-0.010 χ^2/NDF: 67.5/63



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363880.9/14

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.718+/-0.012 χ^2/NDF:1064168.0/13

Left: 53.672+/-0.009 χ^2/NDF: 2442051.7/28

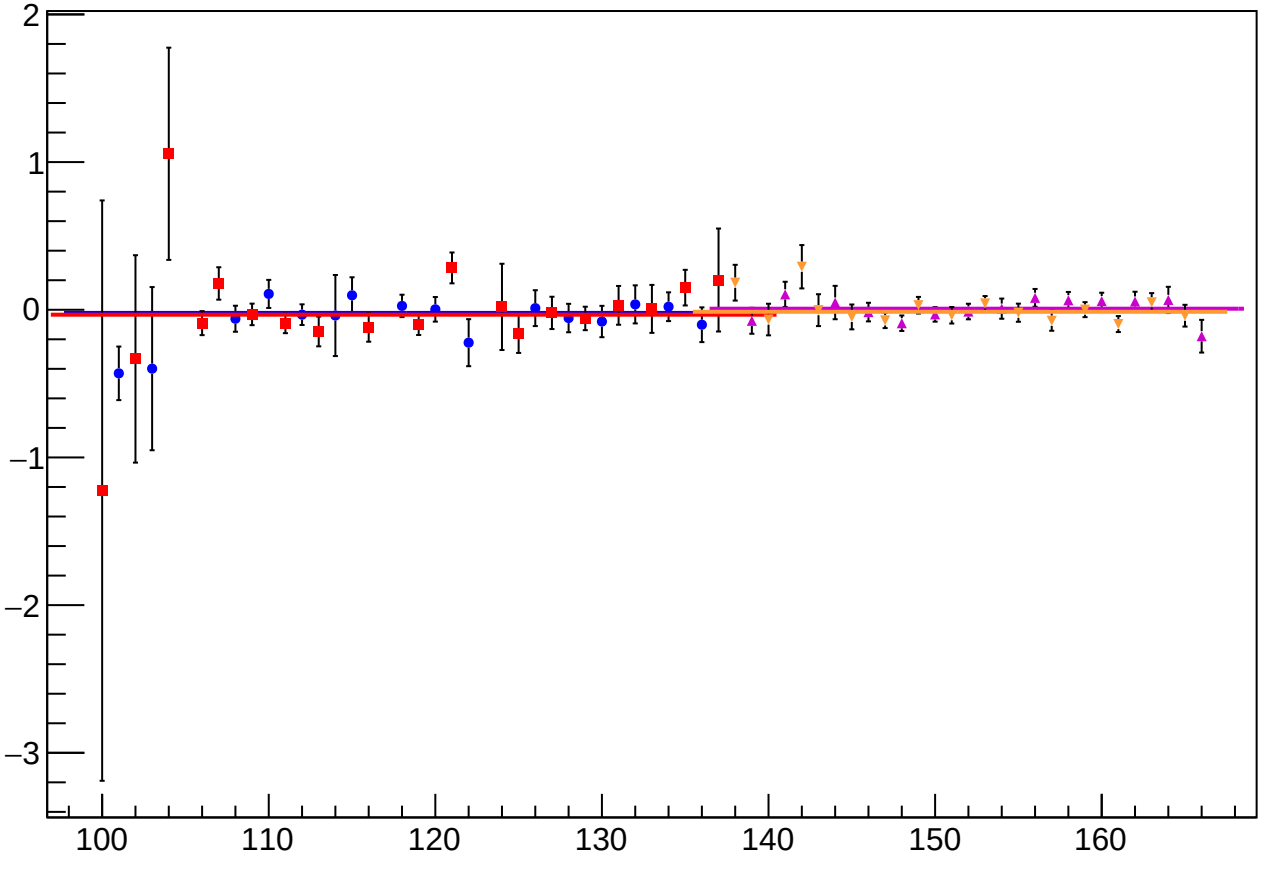
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.874+/-0.010 χ^2/NDF:3103664.1/29

Out: 53.716+/-0.010 χ^2/NDF:3978179.8/33

All: 55.226+/-0.007 χ^2/NDF: 7130828.6/63

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

Left: -0.004+/-0.012 χ^2/NDF: 29.8/28

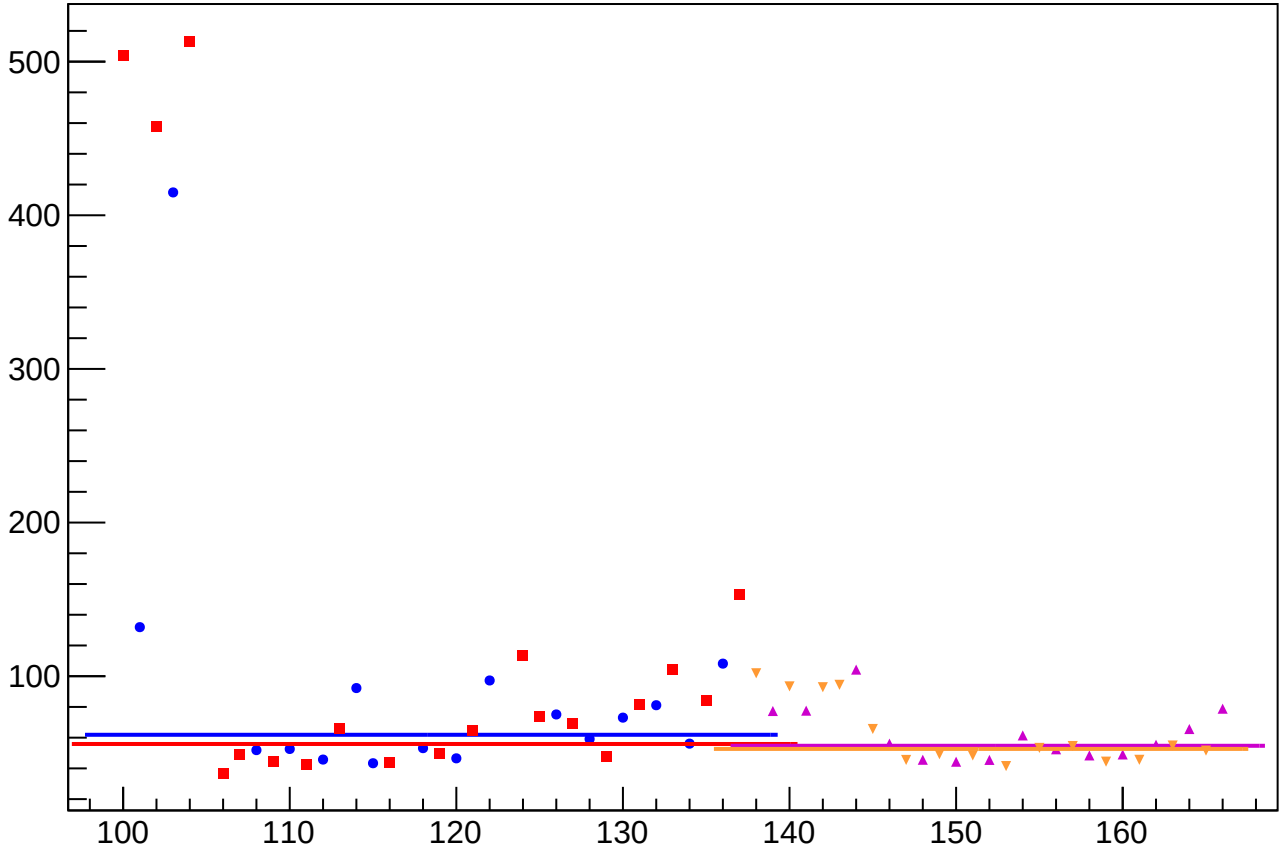
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.011+/-0.010 χ^2/NDF: 67.5/63

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363880.9/14

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.718+/-0.012 χ^2/NDF:1064168.0/13

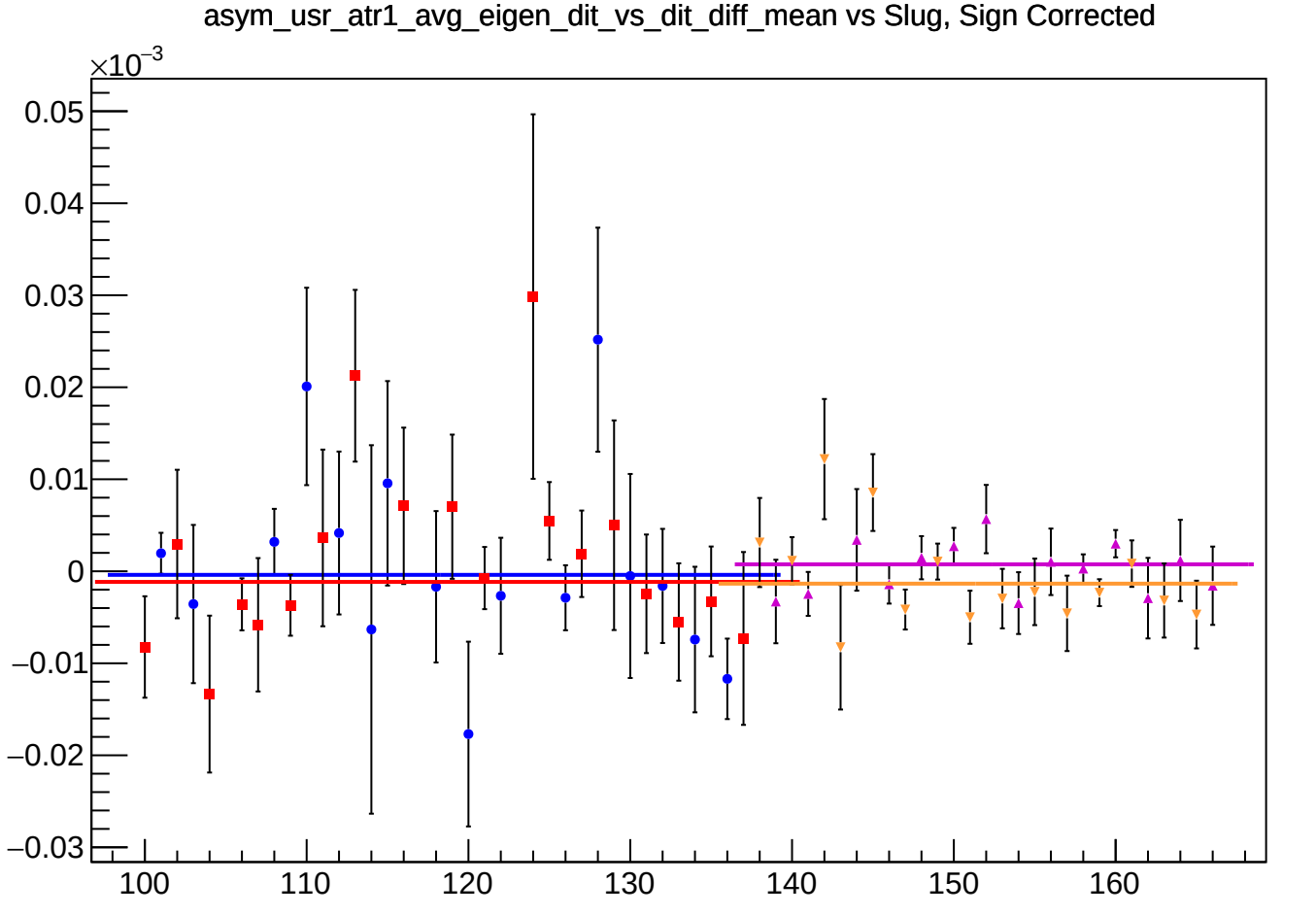
Left: 53.672+/-0.009 χ^2/NDF: 2442051.7/28

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.874+/-0.010 χ^2/NDF:3103664.1/29

Out: 53.716+/-0.010 χ^2/NDF:3978179.8/33

All: 55.226+/-0.007 χ^2/NDF: 7130828.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/13

Left: -0.000+/-0.000 χ^2/NDF: 36.9/28

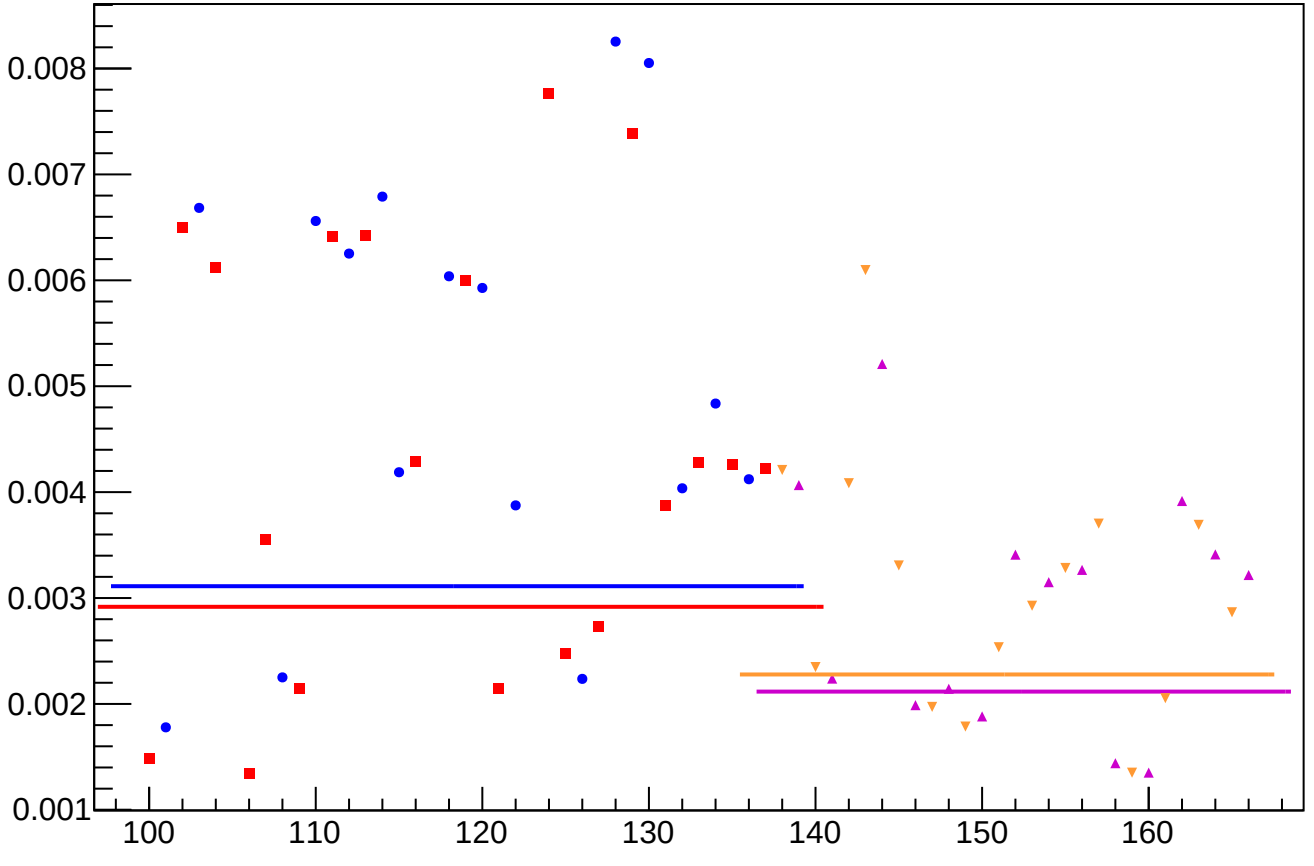
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/29

Out: -0.000+/-0.000 χ^2/NDF:41.2/33

All: -0.000+/-0.000 χ^2/NDF: 80.4/63

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3006582.0/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3227668.9/13

Left: 0.002+/-0.000 χ^2/NDF: 6287215.5/28

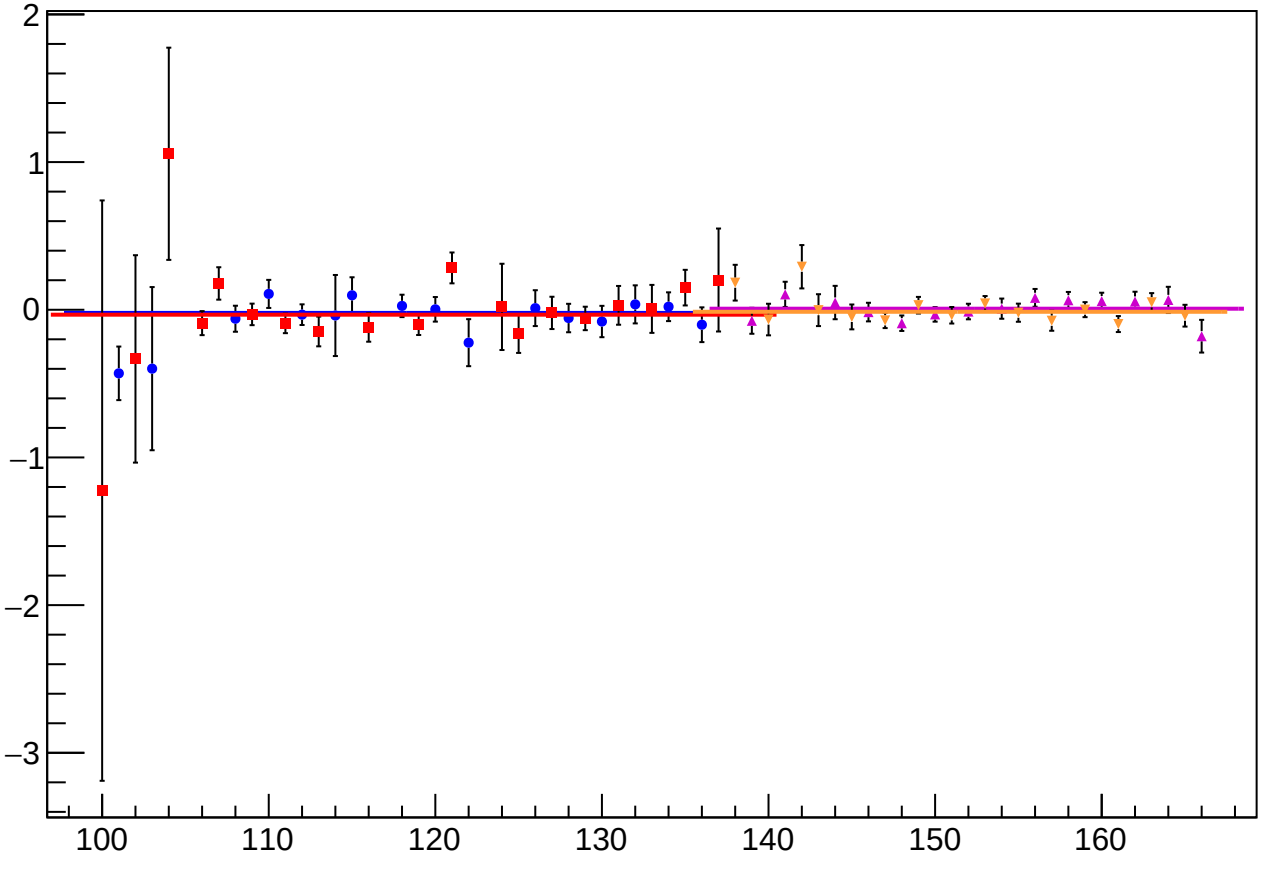
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7399816.1/29

Out: 0.002+/-0.000 χ^2/NDF:6690725.9/33

All: 0.002+/-0.000 χ^2/NDF: 14127862.4/63

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

Left: -0.004+/-0.012 χ^2/NDF: 29.8/28

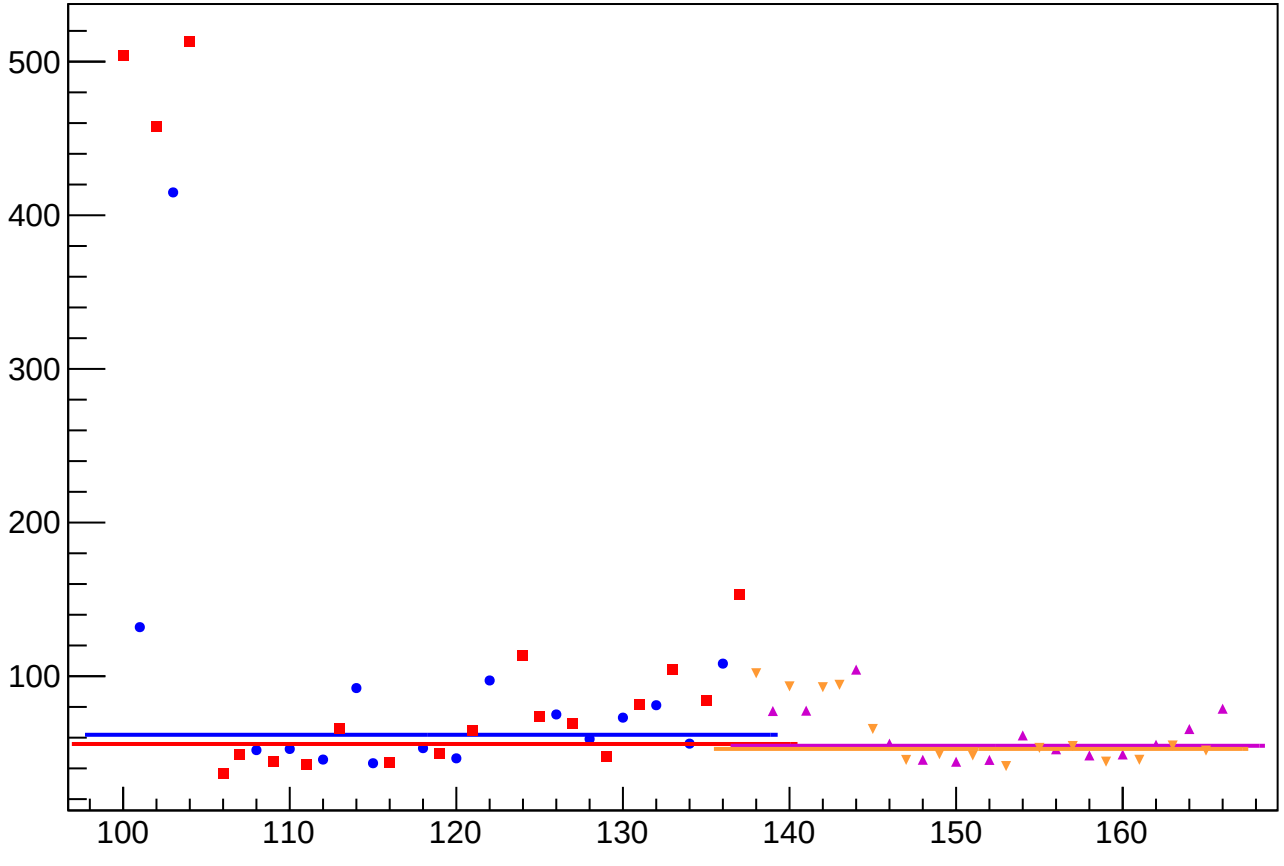
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.011+/-0.010 χ^2/NDF: 67.5/63

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363913.5/14

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.718+/-0.012 χ^2/NDF:1064155.3/13

Left: 53.672+/-0.009 χ^2/NDF: 2442074.9/28

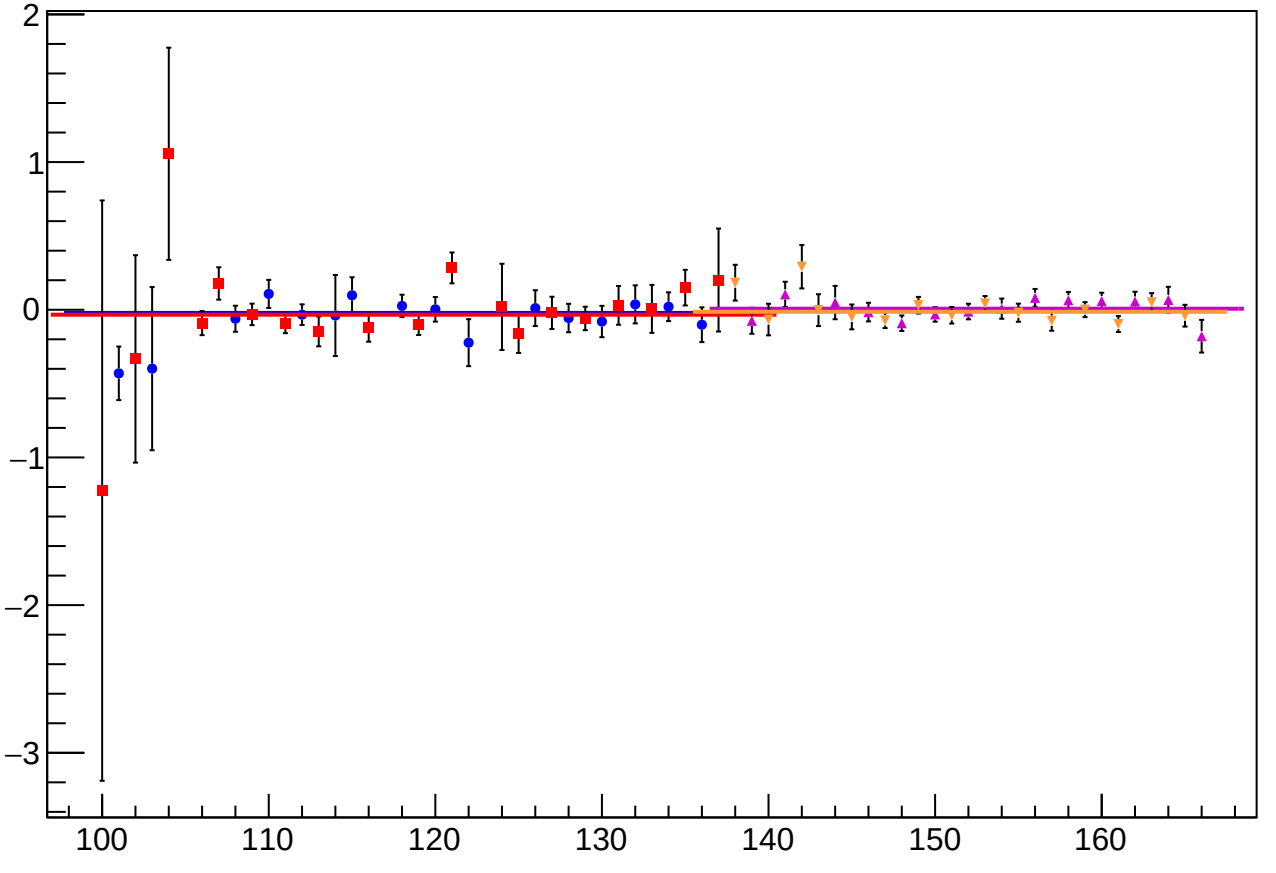
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.874+/-0.010 χ^2/NDF:3103580.8/29

Out: 53.715+/-0.010 χ^2/NDF:3978161.0/33

All: 55.226+/-0.007 χ^2/NDF: 7130734.4/63

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.007+/-0.017 χ^2/NDF:13.9/13

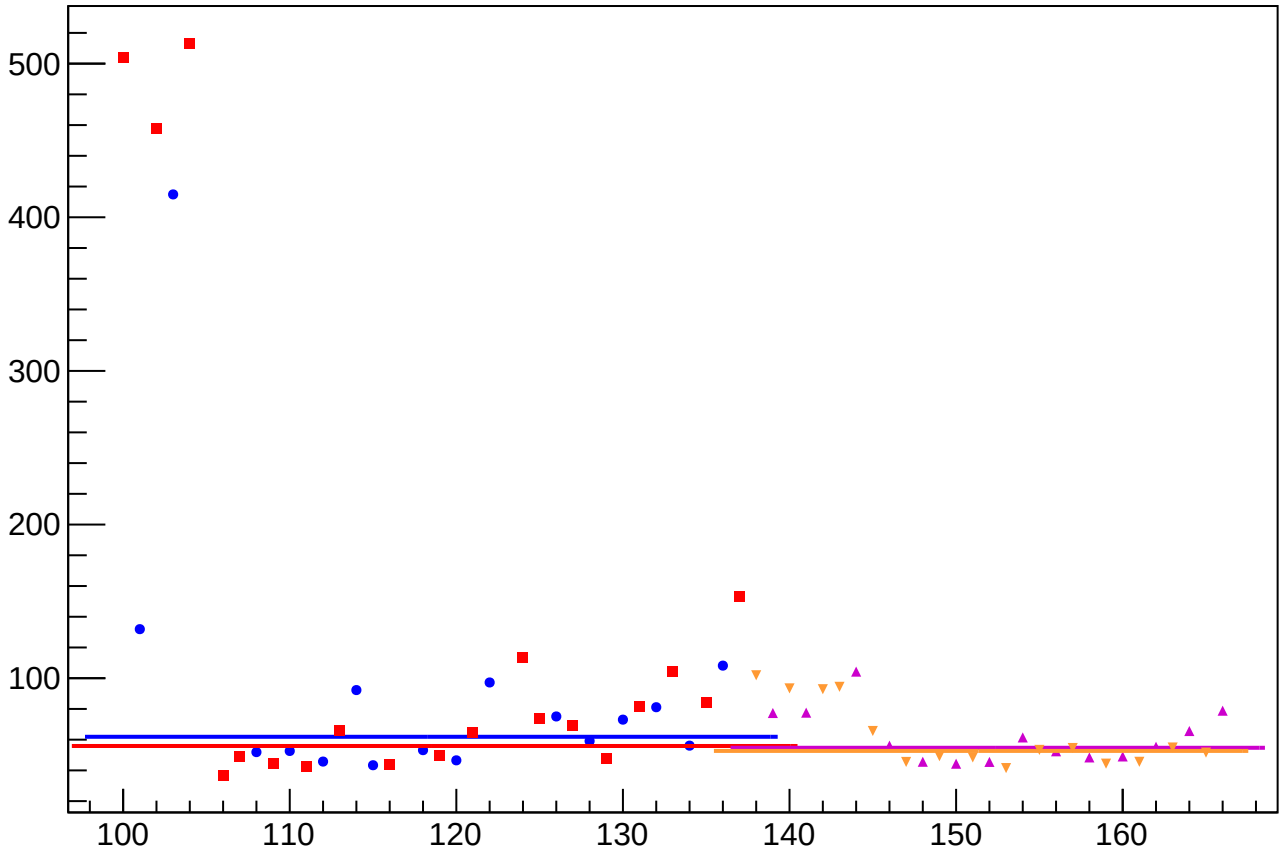
Left: -0.004+/-0.012 χ^2/NDF: 29.8/28

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.001+/-0.015 χ^2/NDF:26.7/29

Out: -0.020+/-0.014 χ^2/NDF:39.9/33

All: -0.011+/-0.010 χ^2/NDF: 67.5/63



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363913.5/14

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.718+/-0.012 χ^2/NDF:1064155.3/13

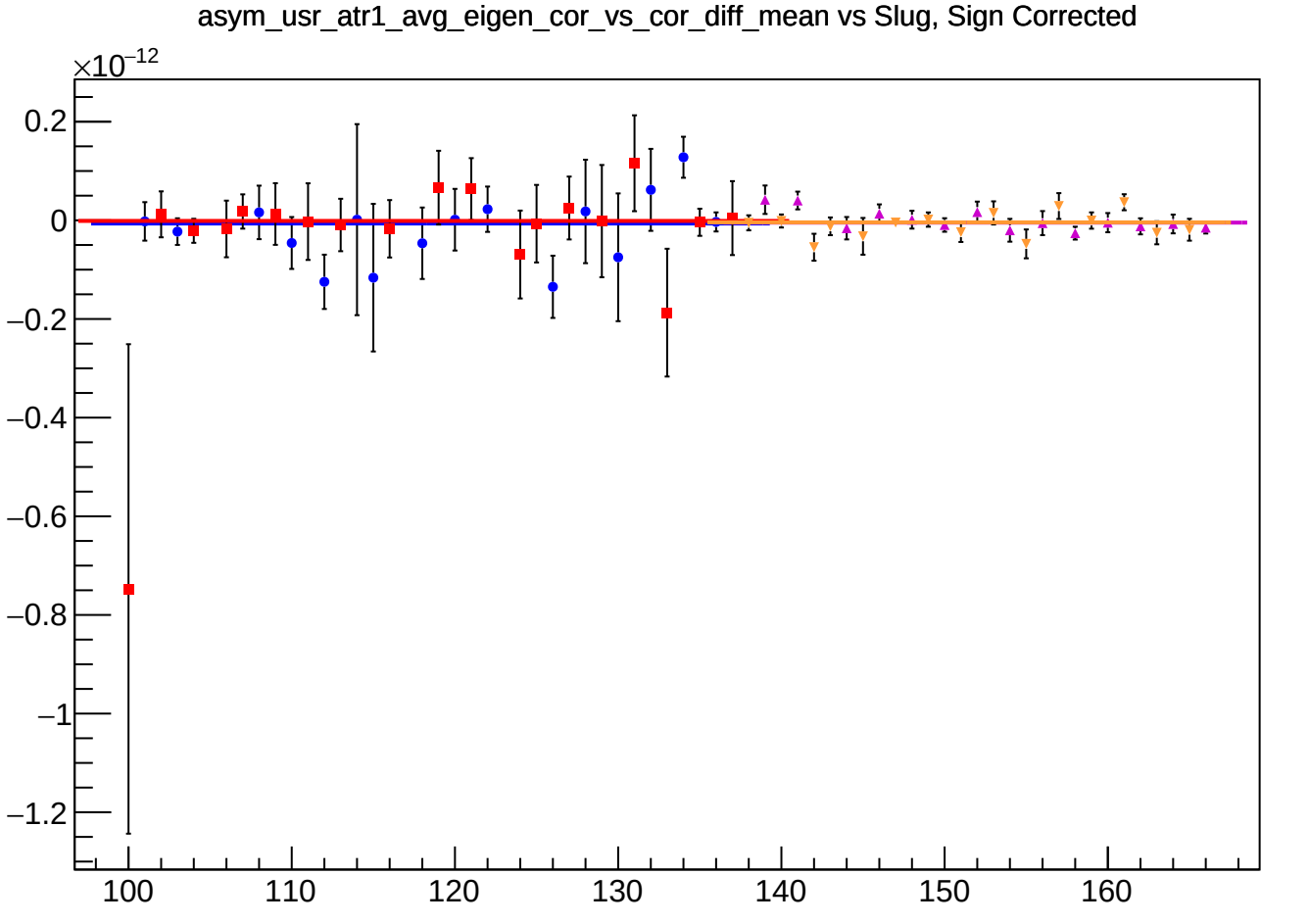
Left: 53.672+/-0.009 χ^2/NDF: 2442074.9/28

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.874+/-0.010 χ^2/NDF:3103580.8/29

Out: 53.715+/-0.010 χ^2/NDF:3978161.0/33

All: 55.226+/-0.007 χ^2/NDF: 7130734.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/13

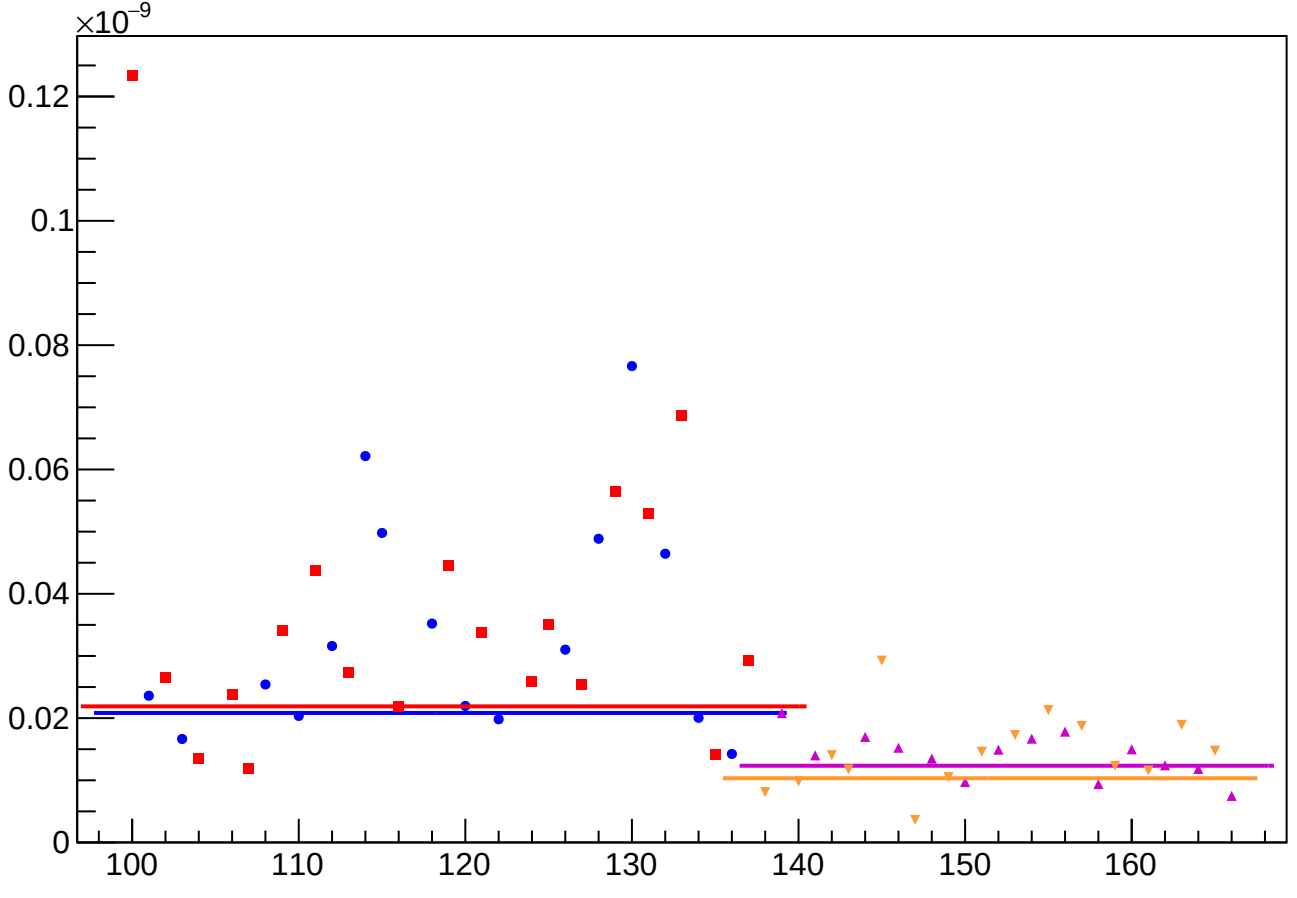
Left: -0.000+/-0.000 χ^2/NDF: 32.8/28

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:37.9/29

Out: -0.000+/-0.000 χ^2/NDF:27.3/33

All: -0.000+/-0.000 χ^2/NDF: 65.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3047057.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1072034.4/13

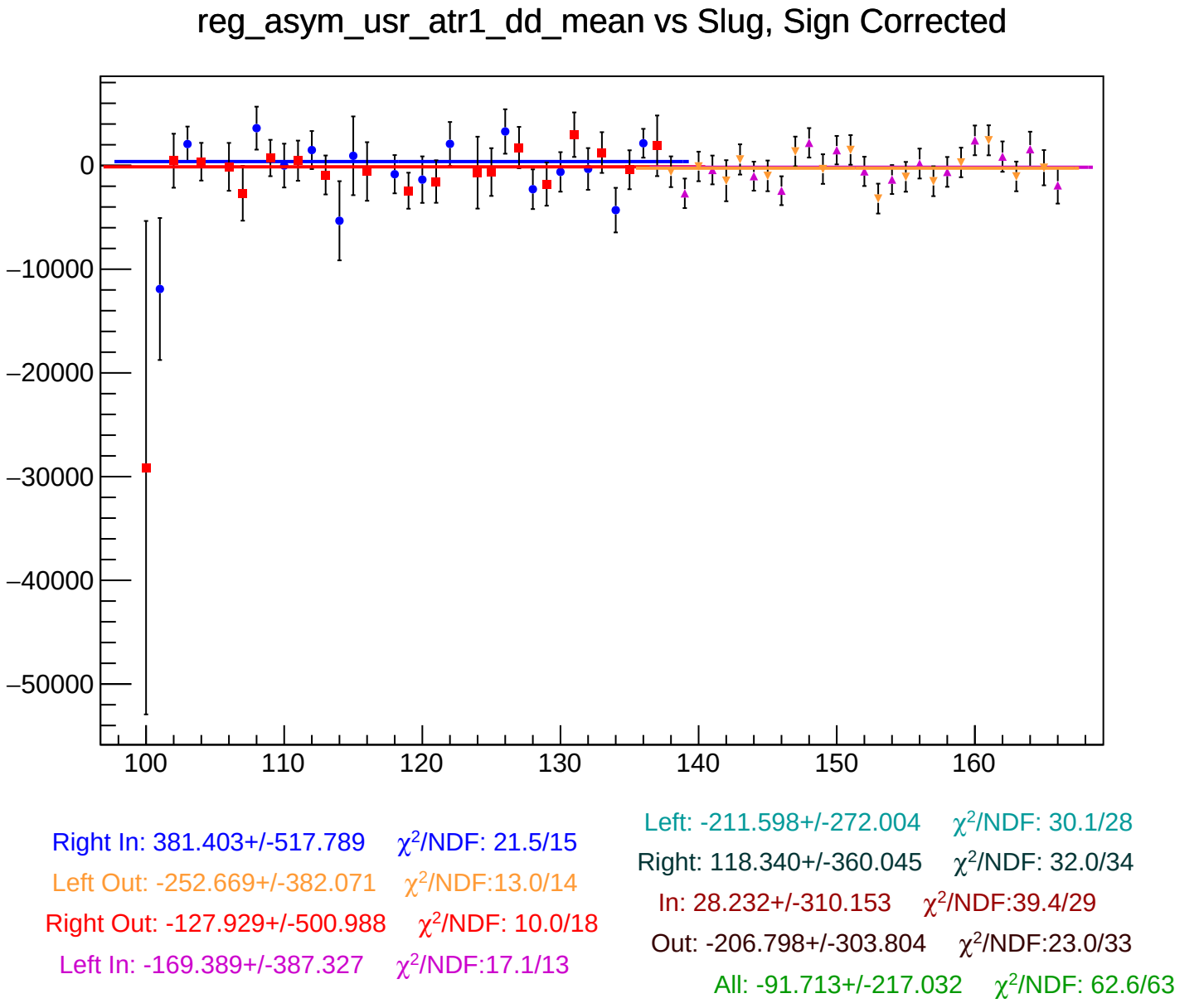
Left: 0.000+/-0.000 χ^2/NDF: 4316317.7/28

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

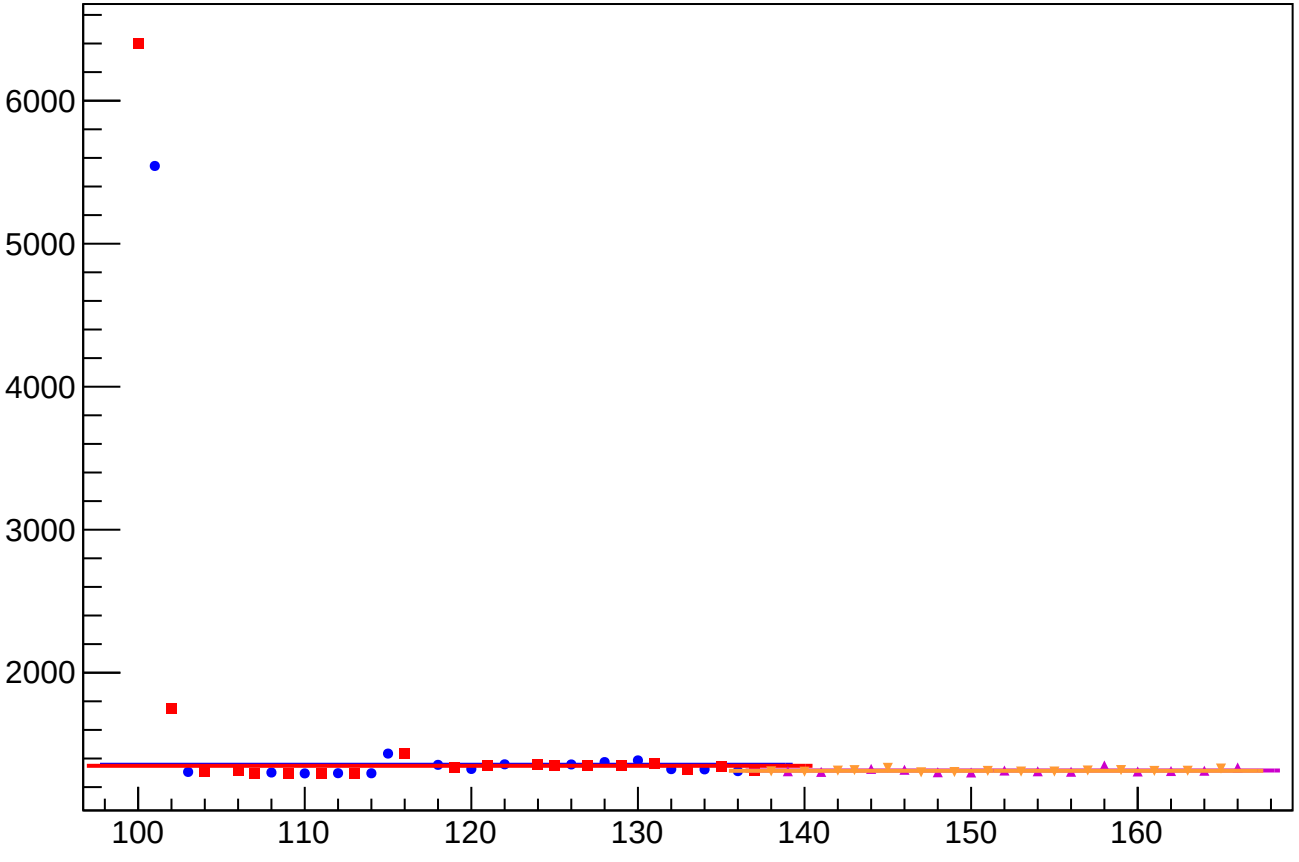
In: 0.000+/-0.000 χ^2/NDF:3421955.5/29

Out: 0.000+/-0.000 χ^2/NDF:6618957.5/33

All: 0.000+/-0.000 χ^2/NDF: 10243855.8/63


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -252.669+/-382.071 χ²/NDF:13.0/14
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -169.389+/-387.327 χ²/NDF:17.1/13
Left: -211.598+/-272.004 χ²/NDF: 30.1/28
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: 28.232+/-310.153 χ²/NDF:39.4/29
Out: -206.798+/-303.804 χ²/NDF:23.0/33
All: -91.713+/-217.032 χ²/NDF: 62.6/63

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1316.172+/-0.274 χ^2/NDF:2261.8/13

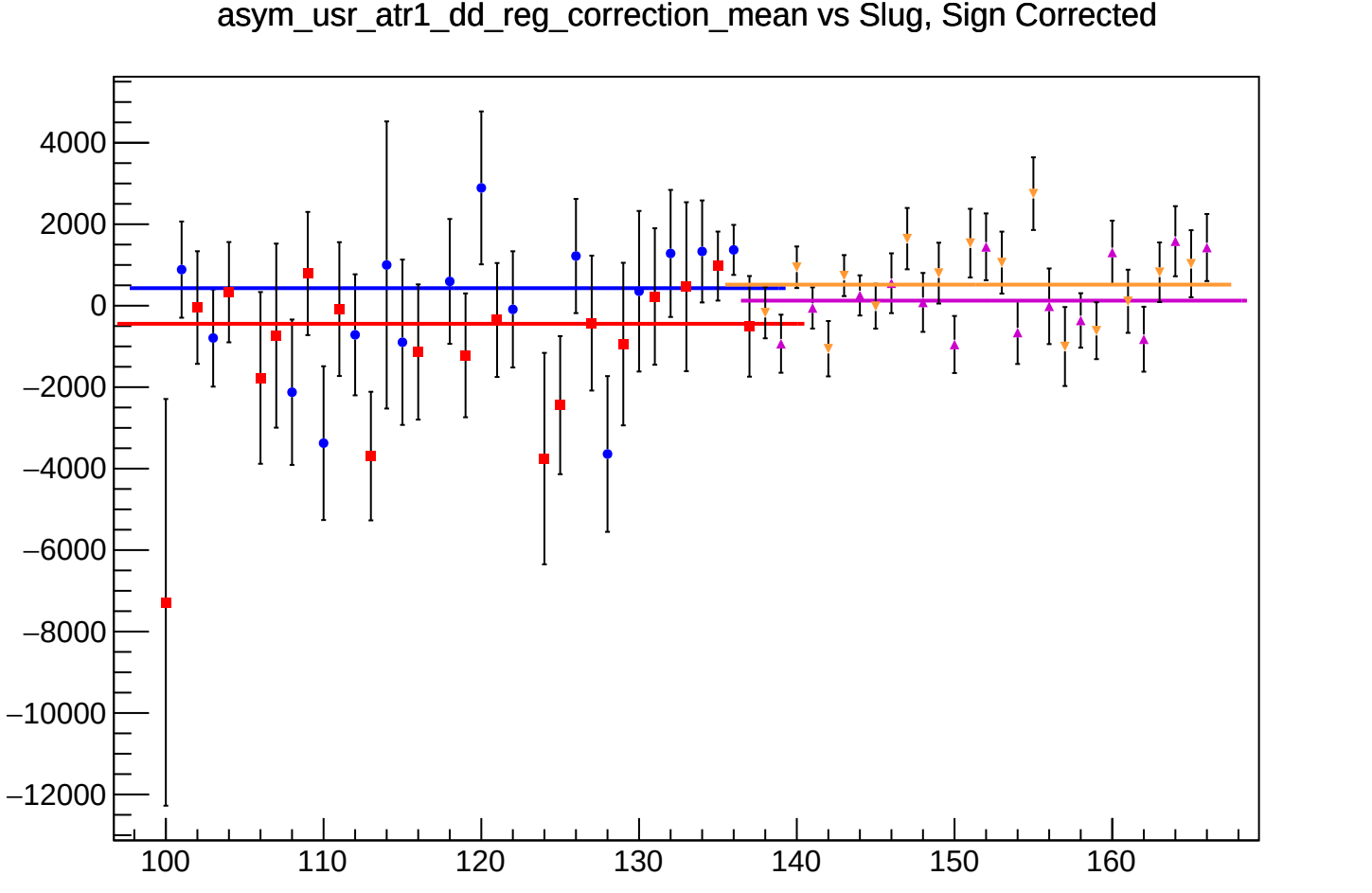
Left: 1315.107+/-0.192 χ^2/NDF: 3189.6/28

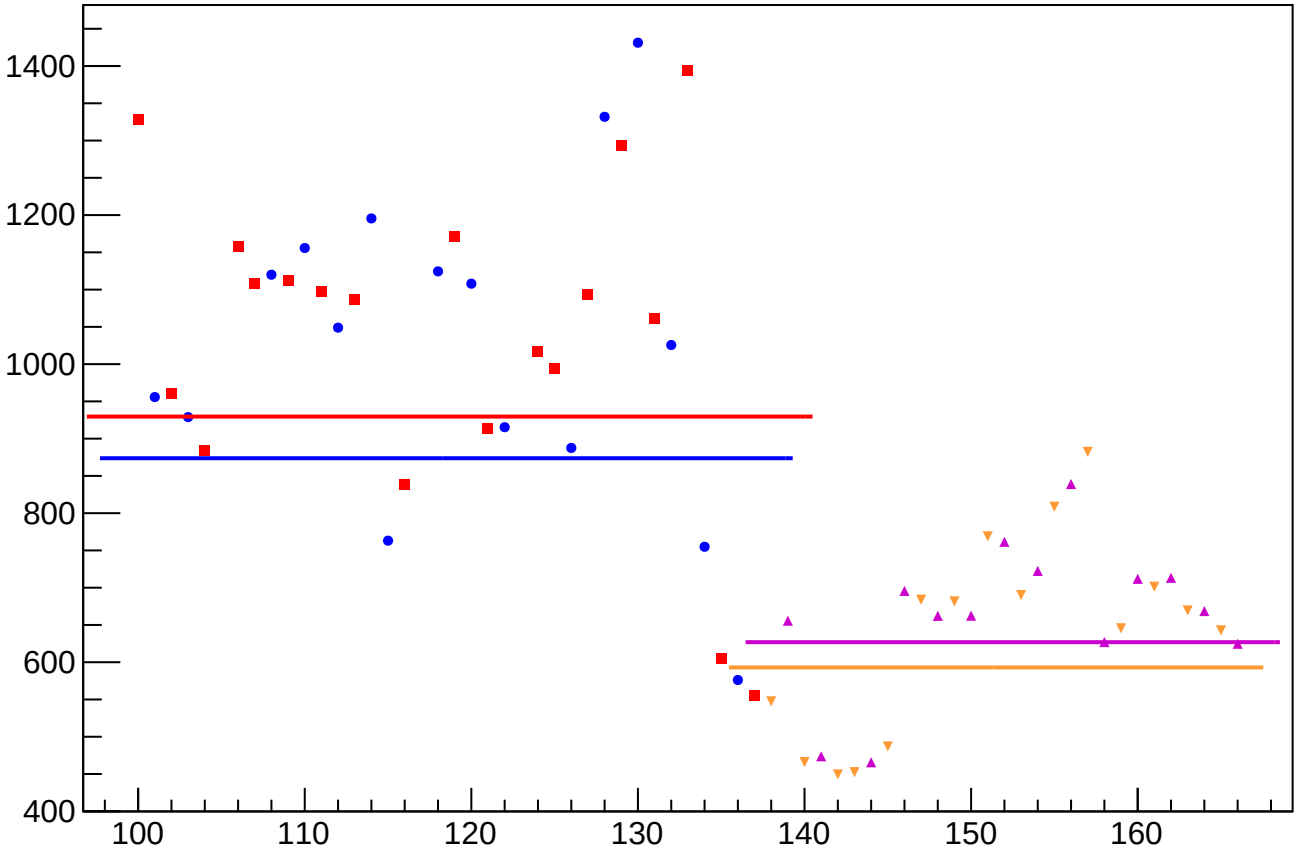
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.605+/-0.219 χ^2/NDF:770267.5/29

Out: 1326.906+/-0.215 χ^2/NDF:154301.5/33

All: 1328.717+/-0.153 χ^2/NDF: 924714.2/63


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 516.972+/-177.186 χ²/NDF:24.9/14
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 123.856+/-187.678 χ²/NDF:18.4/13
Left: 331.710+/-128.839 χ²/NDF: 45.6/28
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 195.937+/-164.133 χ²/NDF:37.2/29
Out: 325.725+/-158.589 χ²/NDF:45.2/33
All: 263.060+/-114.049 χ²/NDF: 82.7/63



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 592.969+/-0.125 χ^2/NDF:1005464.6/14

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 626.897+/-0.133 χ^2/NDF:668376.8/13

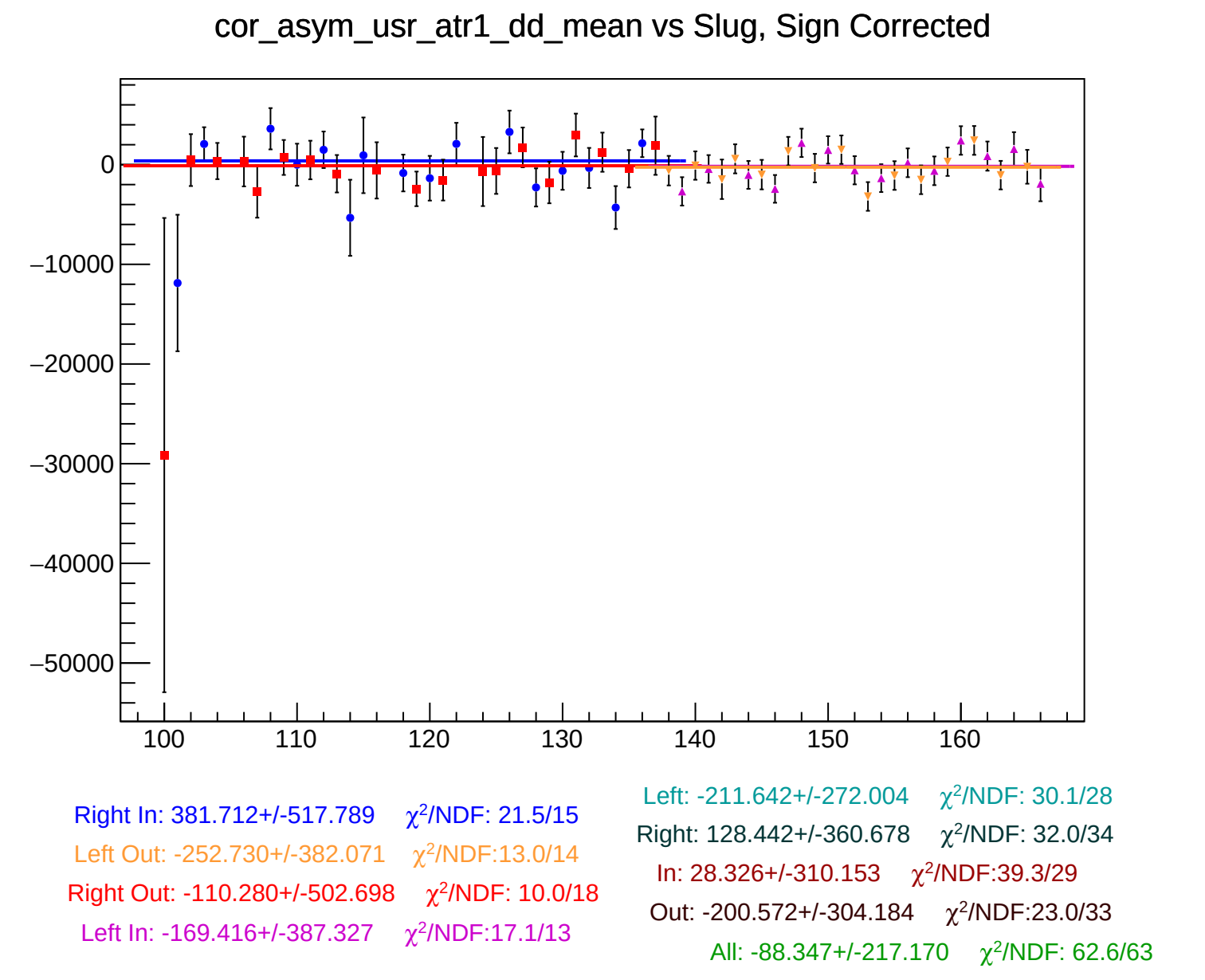
Left: 608.958+/-0.091 χ^2/NDF: 1708400.0/28

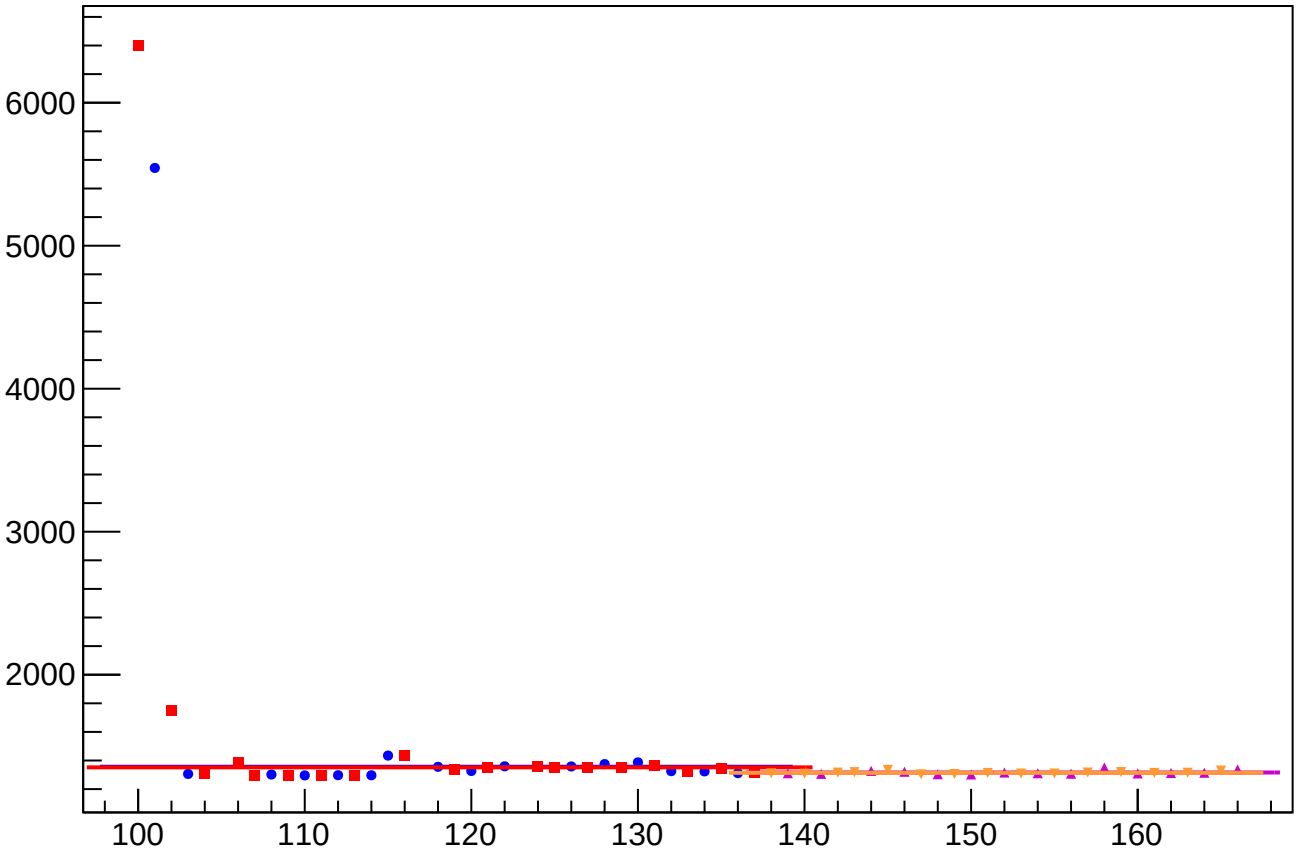
Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 684.945+/-0.116 χ^2/NDF:2496816.7/29

Out: 659.932+/-0.112 χ^2/NDF:3301587.0/33

All: 672.009+/-0.081 χ^2/NDF: 5822425.2/63


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -252.730+/-382.071 χ²/NDF:13.0/14
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -169.416+/-387.327 χ²/NDF:17.1/13
Left: -211.642+/-272.004 χ²/NDF: 30.1/28
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 28.326+/-310.153 χ²/NDF:39.3/29
Out: -200.572+/-304.184 χ²/NDF:23.0/33
All: -88.347+/-217.170 χ²/NDF: 62.6/63



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.172+/-0.274 χ^2/NDF:2261.8/13

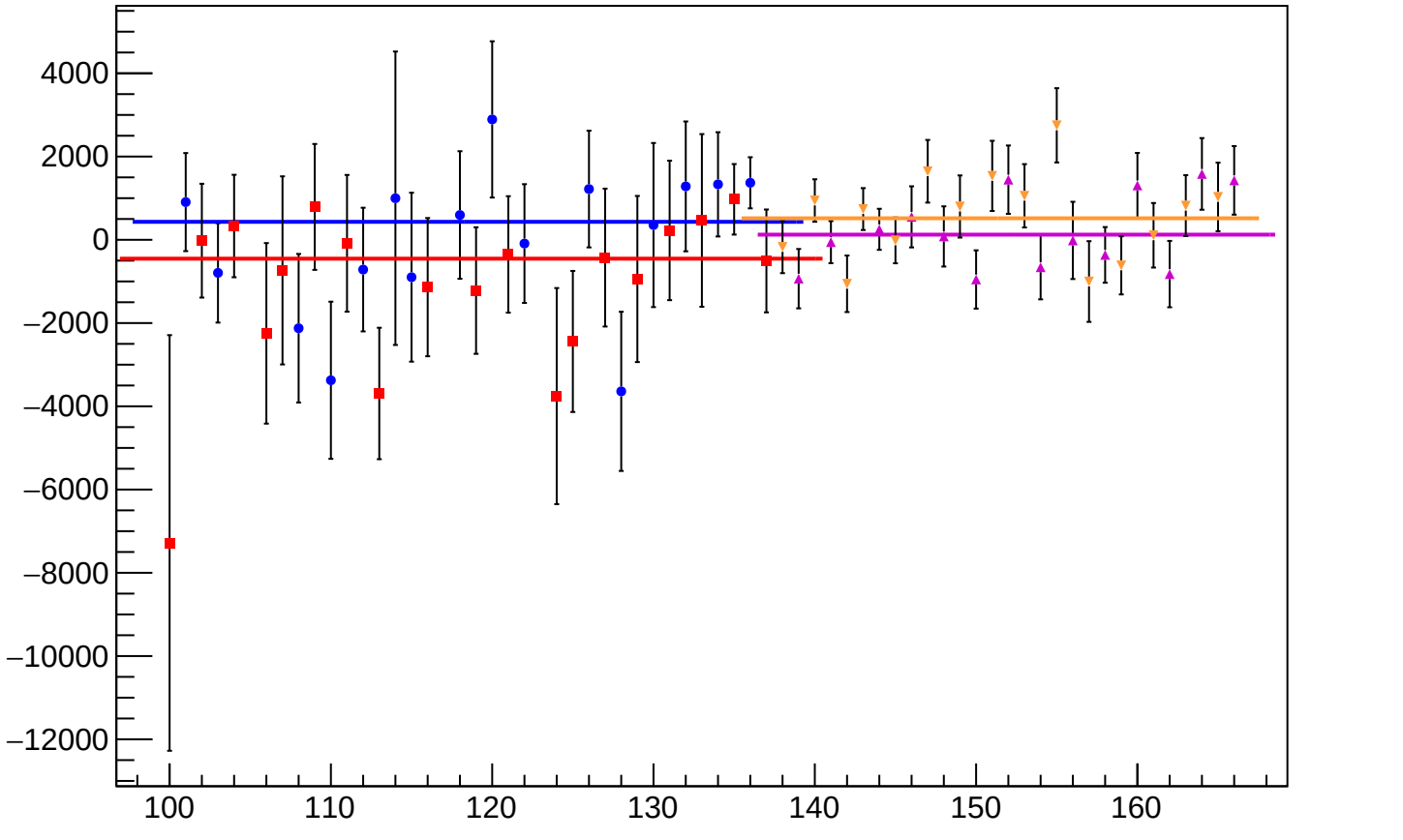
Left: 1315.107+/-0.192 χ^2/NDF: 3189.6/28

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.605+/-0.219 χ^2/NDF:770266.5/29

Out: 1327.989+/-0.215 χ^2/NDF:155473.2/33

All: 1329.272+/-0.154 χ^2/NDF: 925812.2/63



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 516.901+/-177.186 χ^2/NDF:24.9/14

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 123.866+/-187.676 χ^2/NDF:18.4/13

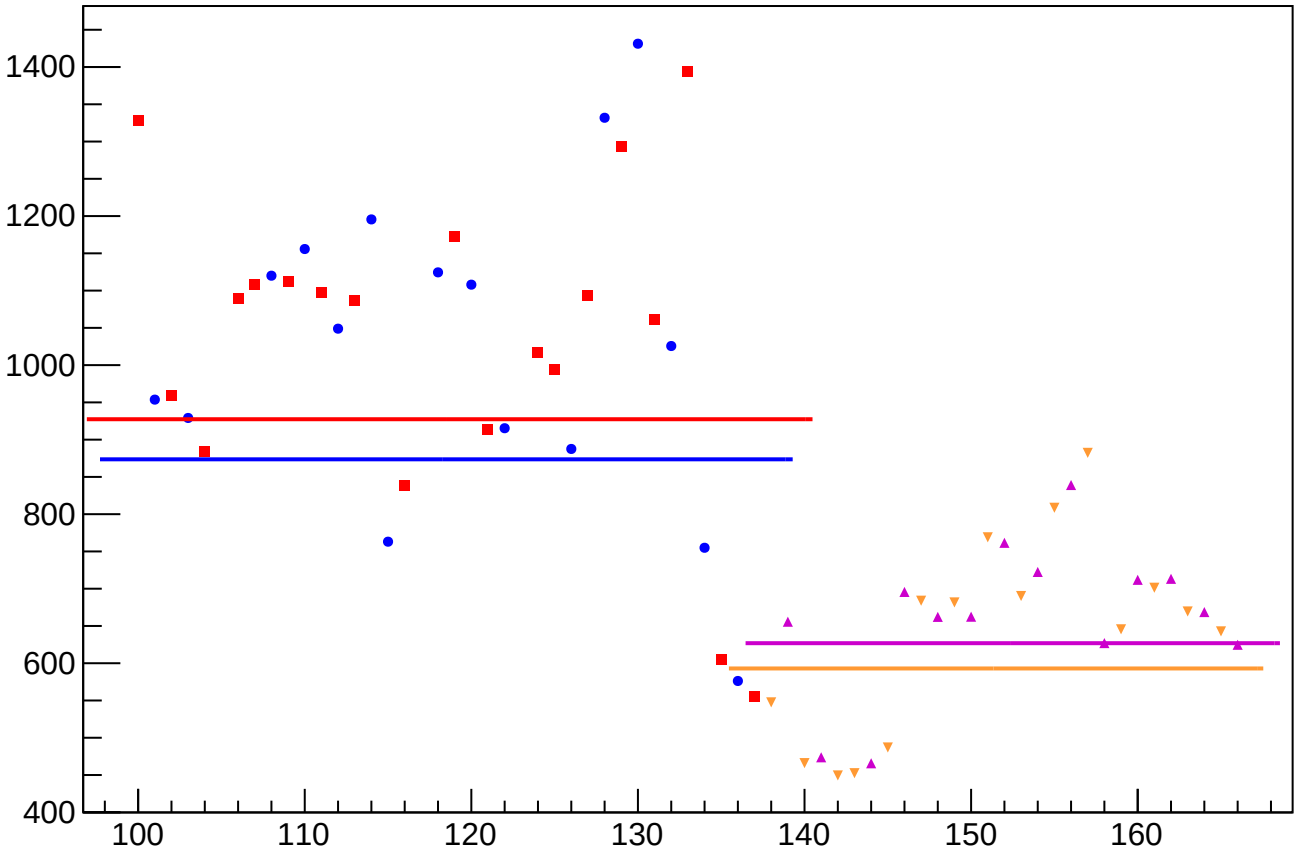
Left: 331.675+/-128.838 χ^2/NDF: 45.6/28

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 196.379+/-164.126 χ^2/NDF:37.2/29

Out: 323.984+/-158.589 χ^2/NDF:45.6/33

All: 262.370+/-114.047 χ^2/NDF: 83.1/63



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 626.891+/-0.133 χ^2/NDF:668440.8/13

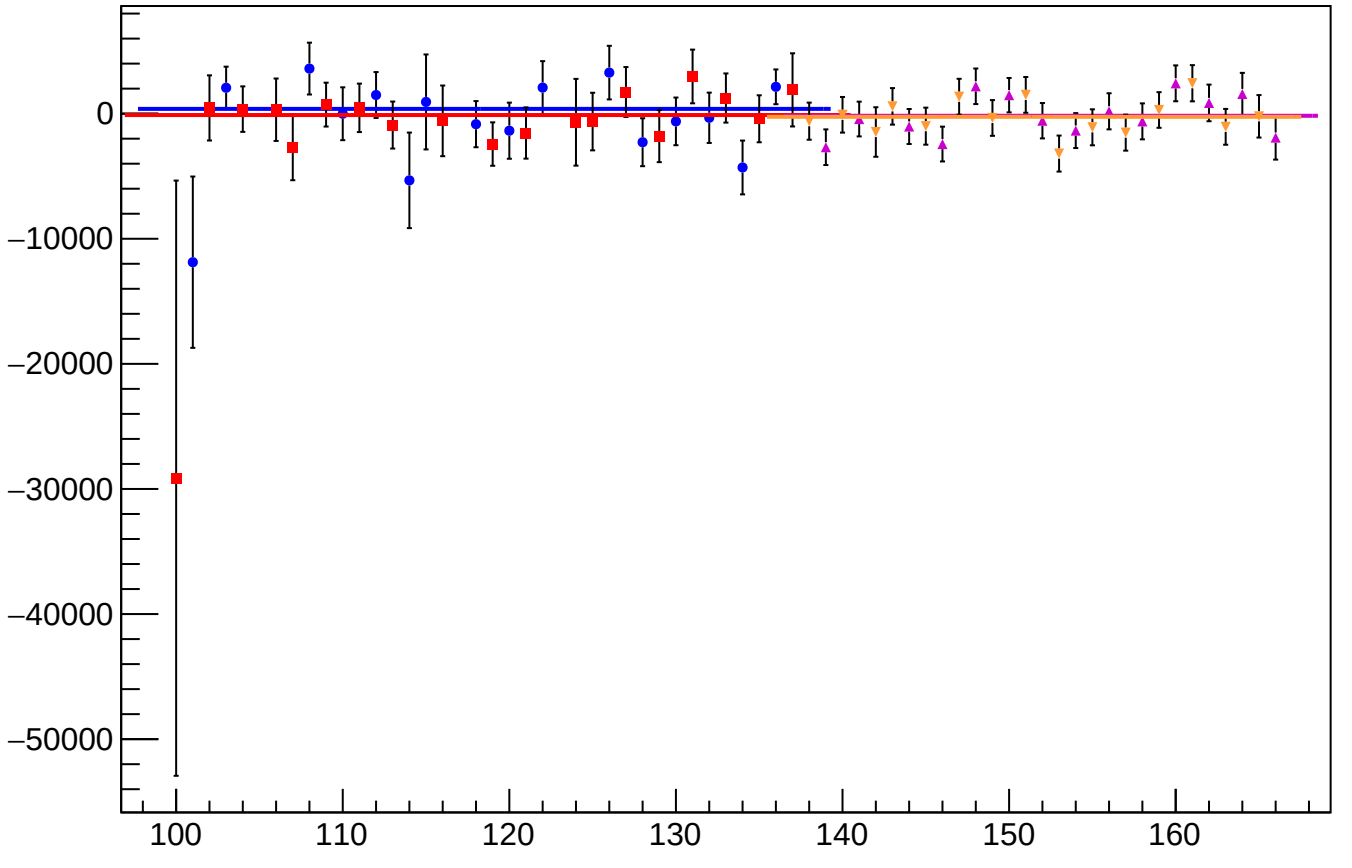
Left: 608.956+/-0.091 χ^2/NDF: 1708390.6/28

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.925+/-0.116 χ^2/NDF:2495841.9/29

Out: 659.488+/-0.112 χ^2/NDF:3269971.4/33

All: 671.770+/-0.081 χ^2/NDF: 5790656.4/63



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.730+/-382.071 χ^2/NDF:13.0/14

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -169.416+/-387.327 χ^2/NDF:17.1/13

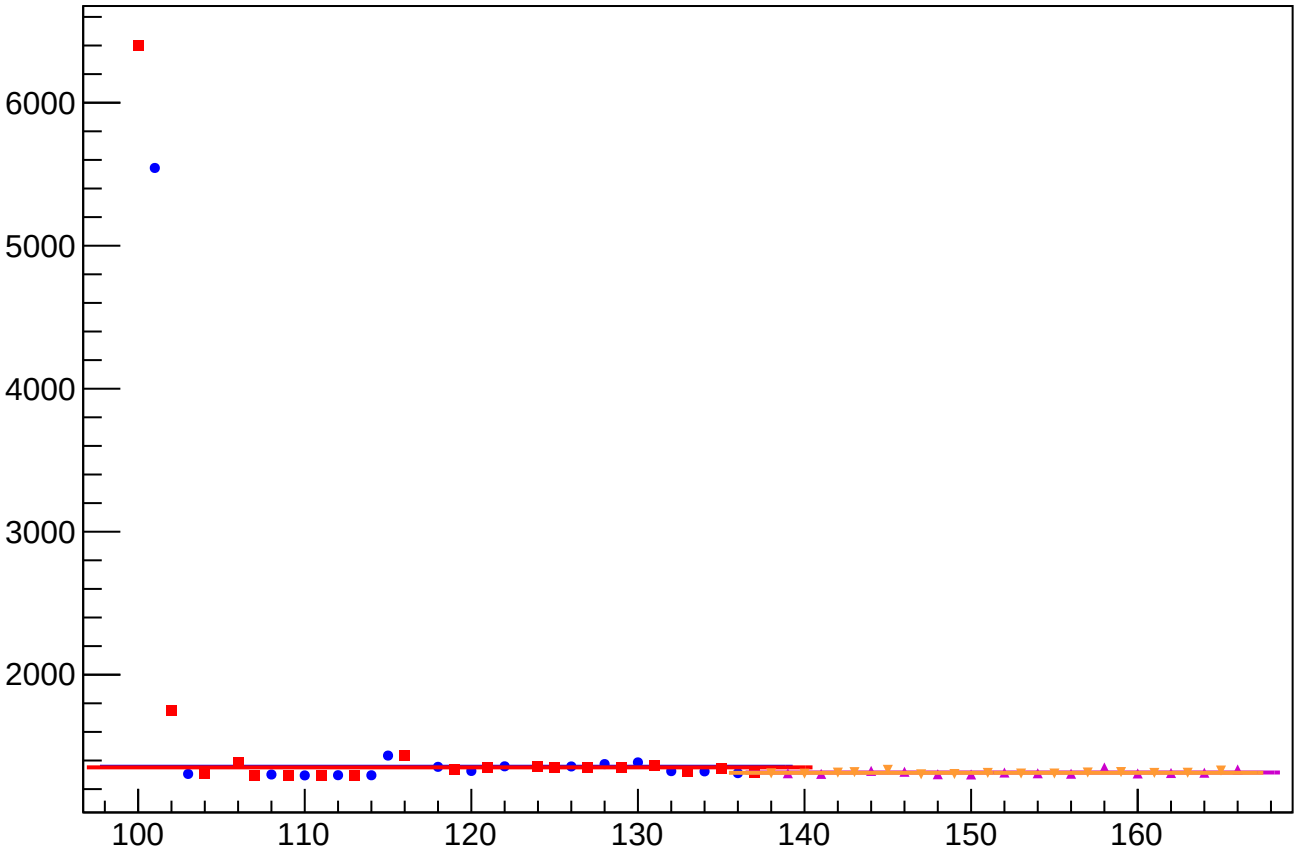
Left: -211.642+/-272.004 χ^2/NDF: 30.1/28

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 28.326+/-310.153 χ^2/NDF:39.3/29

Out: -200.572+/-304.184 χ^2/NDF:23.0/33

All: -88.347+/-217.170 χ^2/NDF: 62.6/63



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.172+/-0.274 χ^2/NDF:2261.8/13

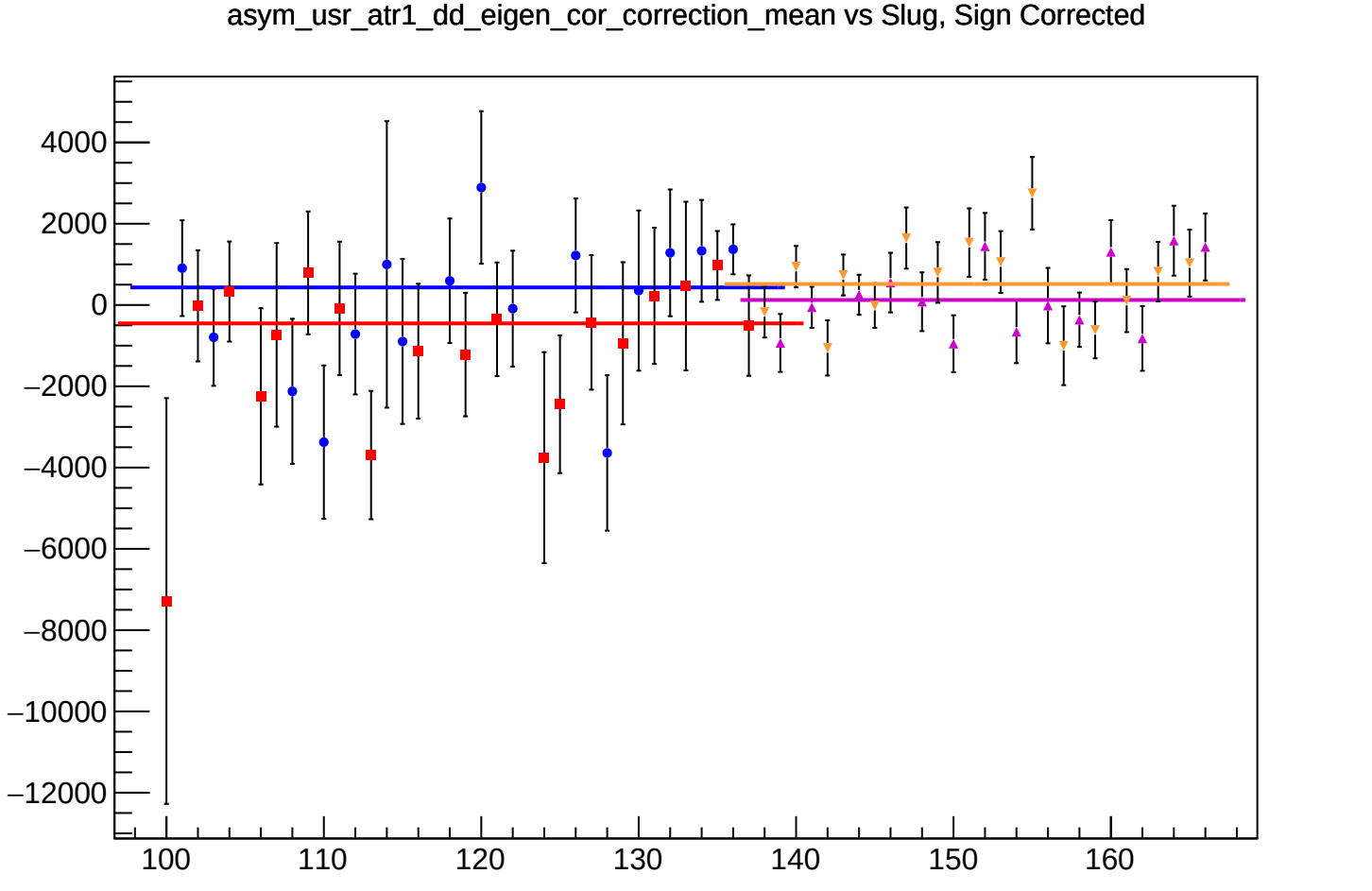
Left: 1315.107+/-0.192 χ^2/NDF: 3189.6/28

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.605+/-0.219 χ^2/NDF:770266.5/29

Out: 1327.989+/-0.215 χ^2/NDF:155473.2/33

All: 1329.272+/-0.154 χ^2/NDF: 925812.2/63



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 516.901+/-177.186 χ^2/NDF:24.9/14

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 123.866+/-187.676 χ^2/NDF:18.4/13

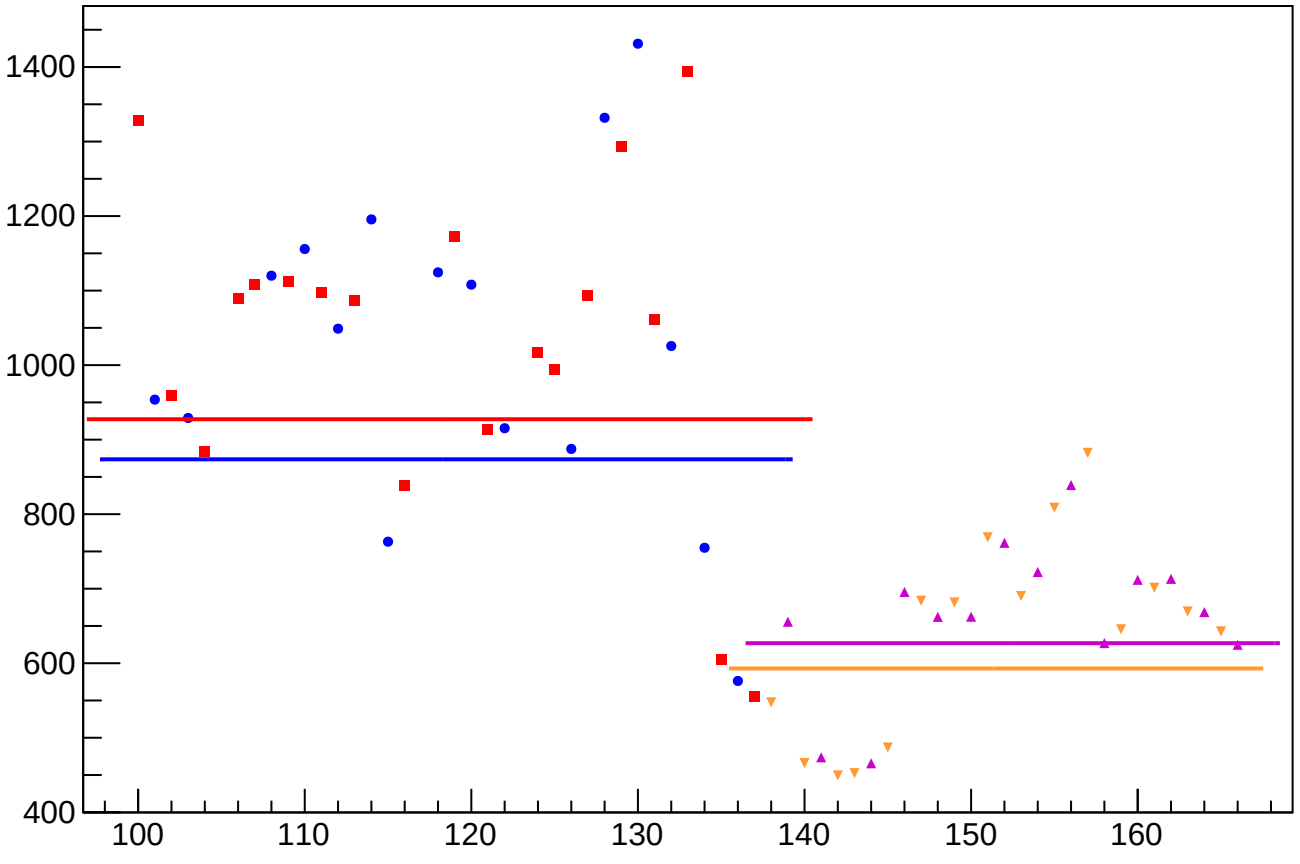
Left: 331.675+/-128.838 χ^2/NDF: 45.6/28

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 196.379+/-164.126 χ^2/NDF:37.2/29

Out: 323.984+/-158.589 χ^2/NDF:45.6/33

All: 262.370+/-114.047 χ^2/NDF: 83.1/63



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 626.891+/-0.133 χ^2/NDF:668440.8/13

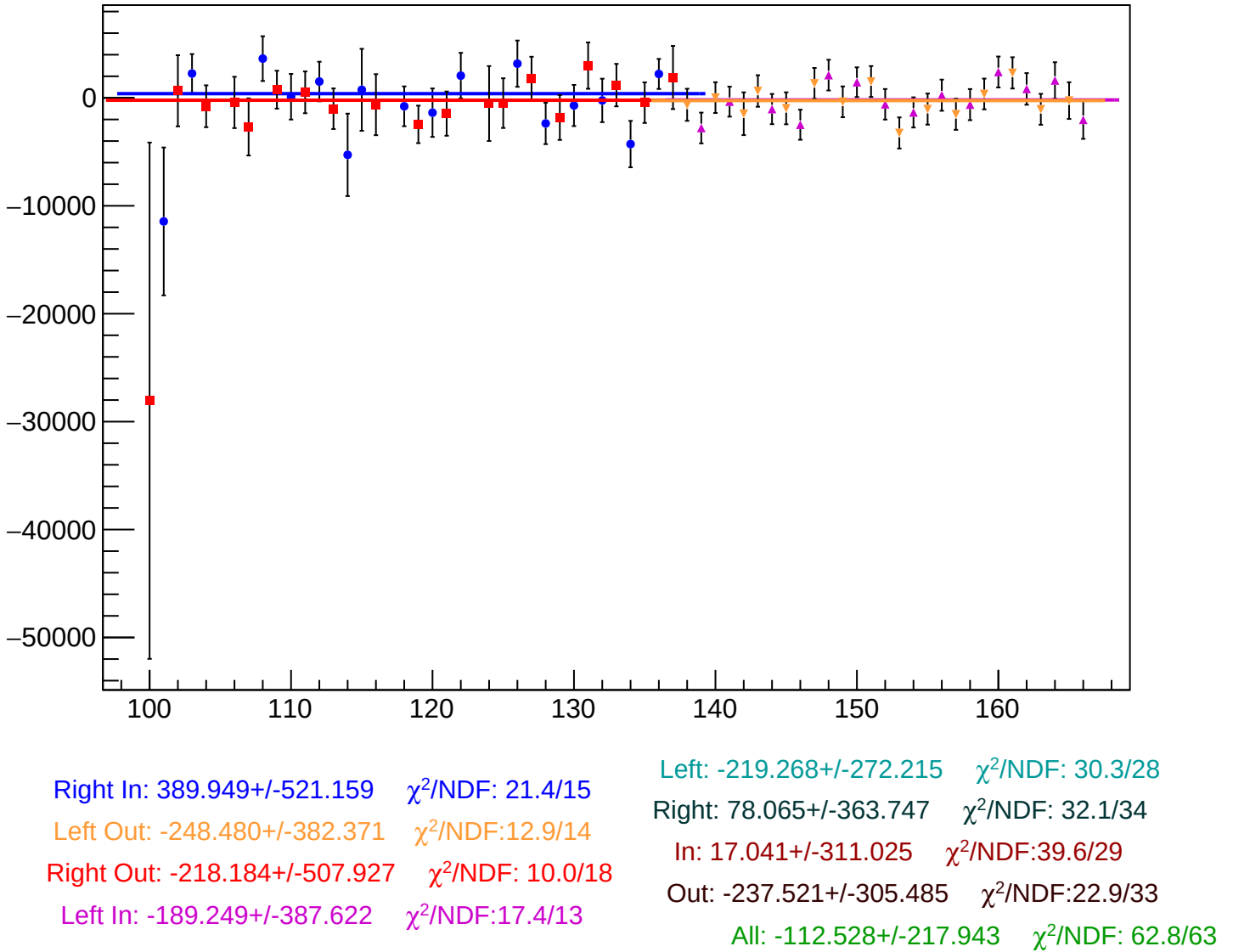
Left: 608.956+/-0.091 χ^2/NDF: 1708390.6/28

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

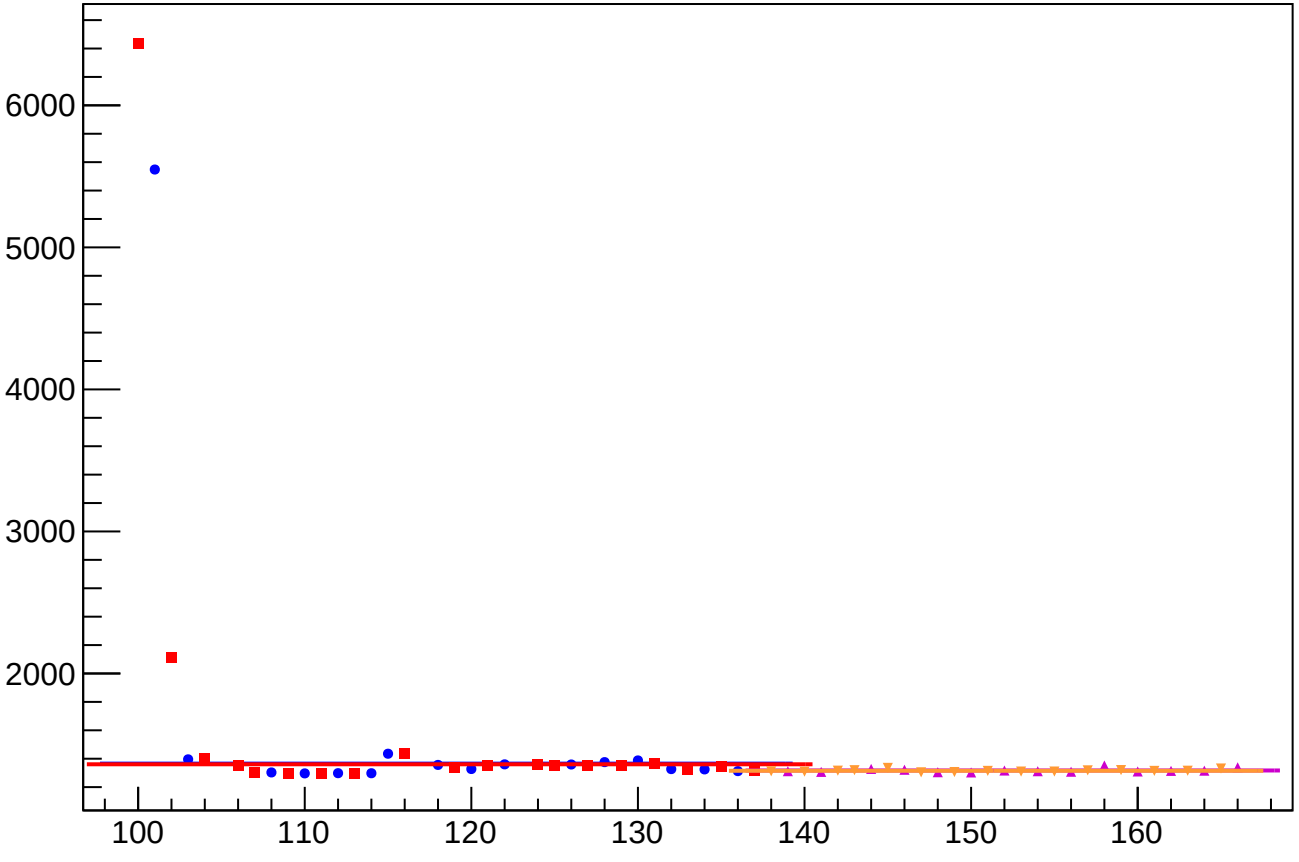
In: 684.925+/-0.116 χ^2/NDF:2495841.9/29

Out: 659.488+/-0.112 χ^2/NDF:3269971.4/33

All: 671.770+/-0.081 χ^2/NDF: 5790656.4/63


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -248.480+/-382.371 χ²/NDF:12.9/14
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -189.249+/-387.622 χ²/NDF:17.4/13
Left: -219.268+/-272.215 χ²/NDF: 30.3/28
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: 17.041+/-311.025 χ²/NDF:39.6/29
Out: -237.521+/-305.485 χ²/NDF:22.9/33
All: -112.528+/-217.943 χ²/NDF: 62.8/63

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1317.173+/-0.274 χ^2/NDF:2290.3/13

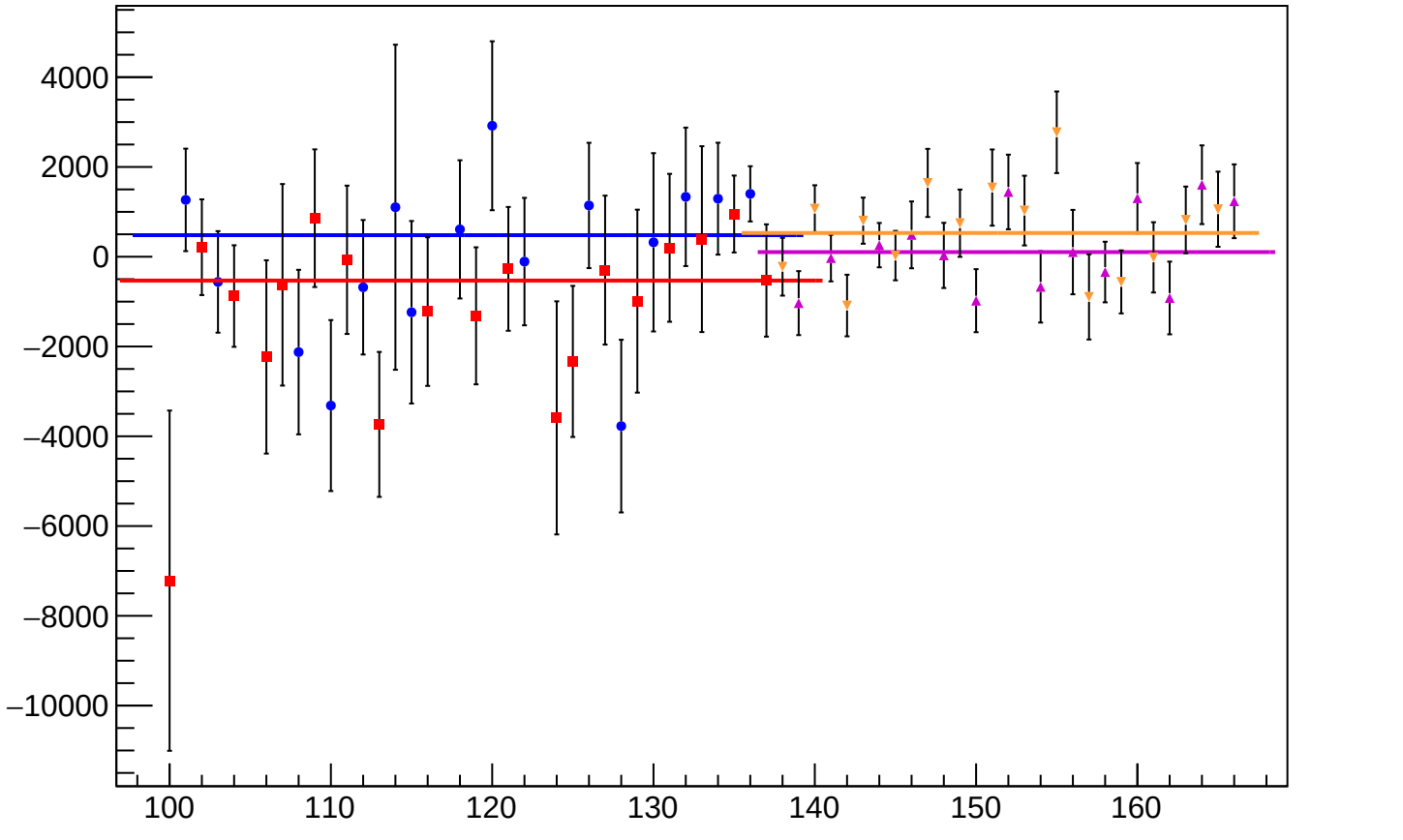
Left: 1316.124+/-0.192 χ^2/NDF: 3223.0/28

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.315+/-0.220 χ^2/NDF:772216.7/29

Out: 1331.622+/-0.216 χ^2/NDF:216538.2/33

All: 1332.944+/-0.154 χ^2/NDF: 988831.3/63



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 529.112+/-179.343 χ^2/NDF:25.0/14

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 103.768+/-189.692 χ^2/NDF:18.1/13

Left: 328.359+/-130.320 χ^2/NDF: 45.7/28

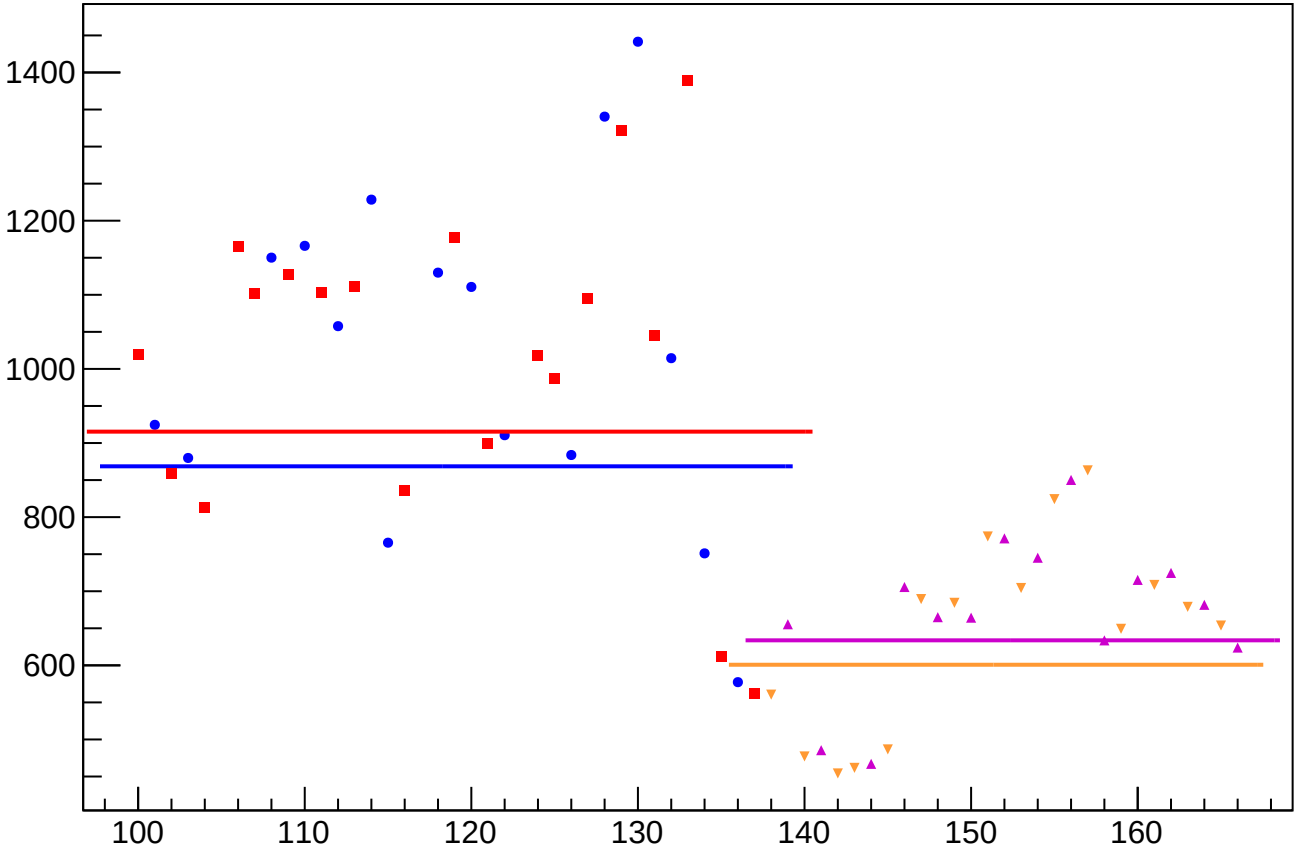
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 194.584+/-165.247 χ^2/NDF:37.7/29

Out: 304.817+/-159.235 χ^2/NDF:48.0/33

All: 251.742+/-114.662 χ^2/NDF: 85.9/63

asym_usr_atr1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 600.819+/-0.127 χ^2/NDF:966607.8/14

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 633.761+/-0.134 χ^2/NDF:671856.0/13

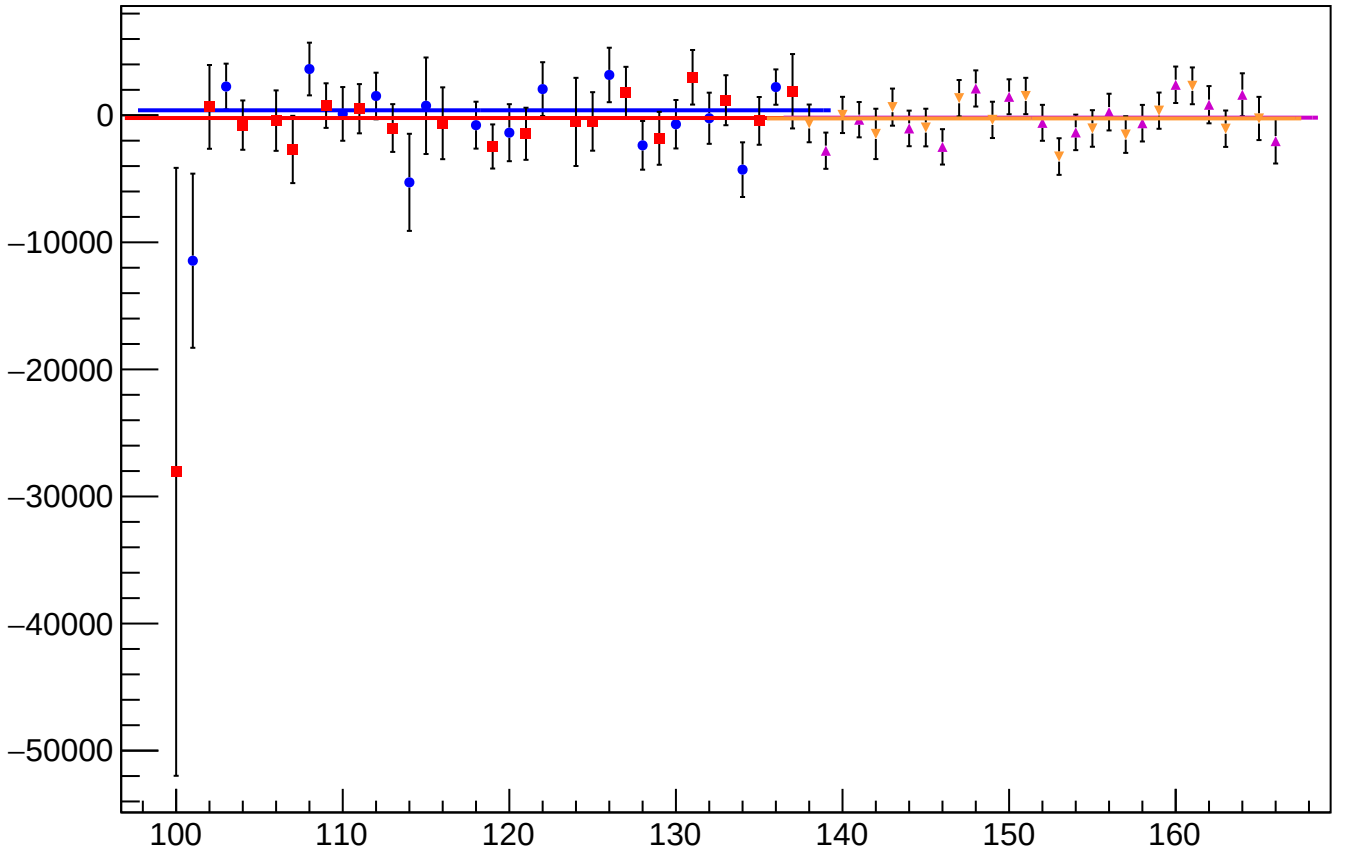
Left: 616.367+/-0.092 χ^2/NDF: 1670312.2/28

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.380+/-0.117 χ^2/NDF:2432142.0/29

Out: 667.398+/-0.113 χ^2/NDF:3127714.6/33

All: 678.463+/-0.081 χ^2/NDF: 5579915.9/63



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.482+/-382.371 χ^2/NDF:12.9/14

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -189.248+/-387.622 χ^2/NDF:17.4/13

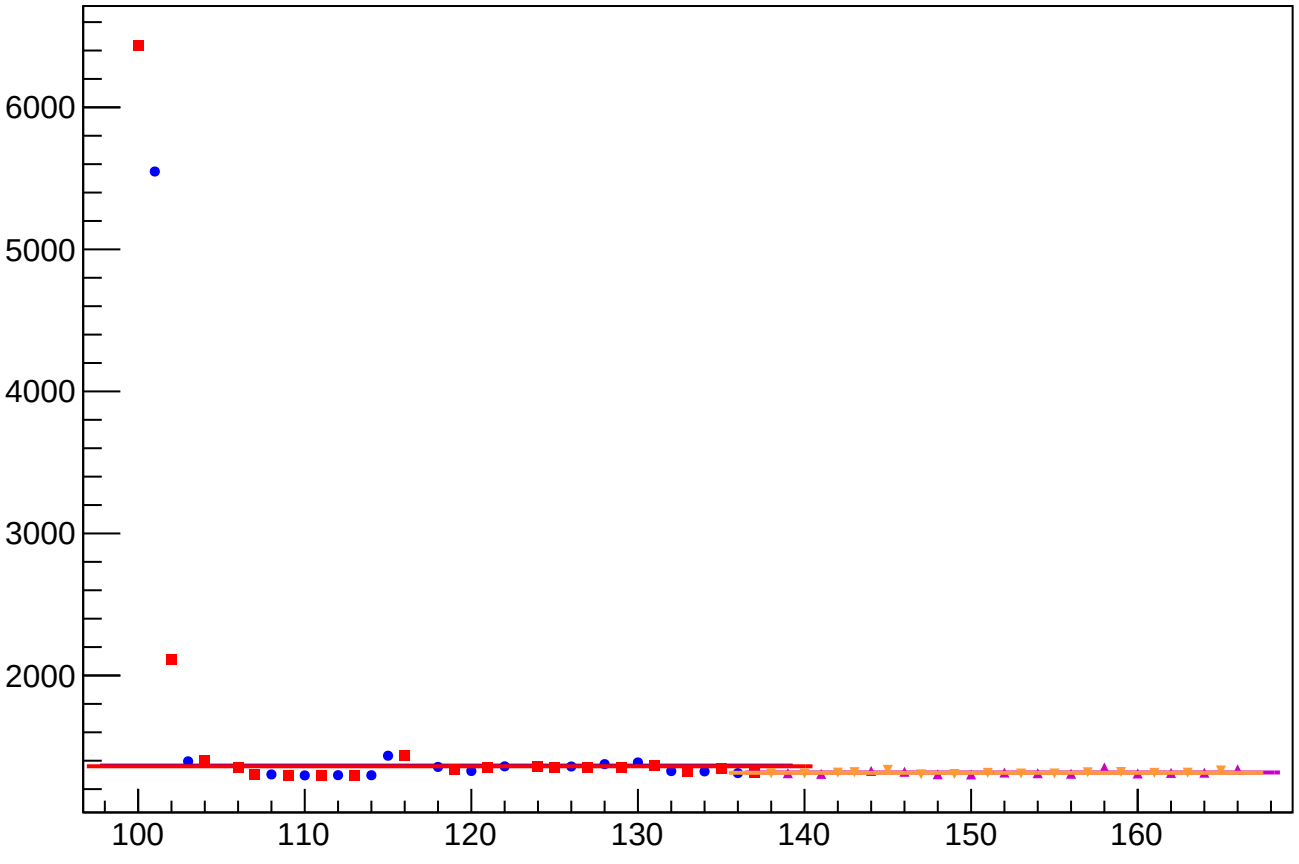
Left: -219.269+/-272.215 χ^2/NDF: 30.3/28

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 17.042+/-311.025 χ^2/NDF:39.6/29

Out: -237.522+/-305.485 χ^2/NDF:22.9/33

All: -112.528+/-217.943 χ^2/NDF: 62.8/63



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1317.173+/-0.274 χ^2/NDF:2290.3/13

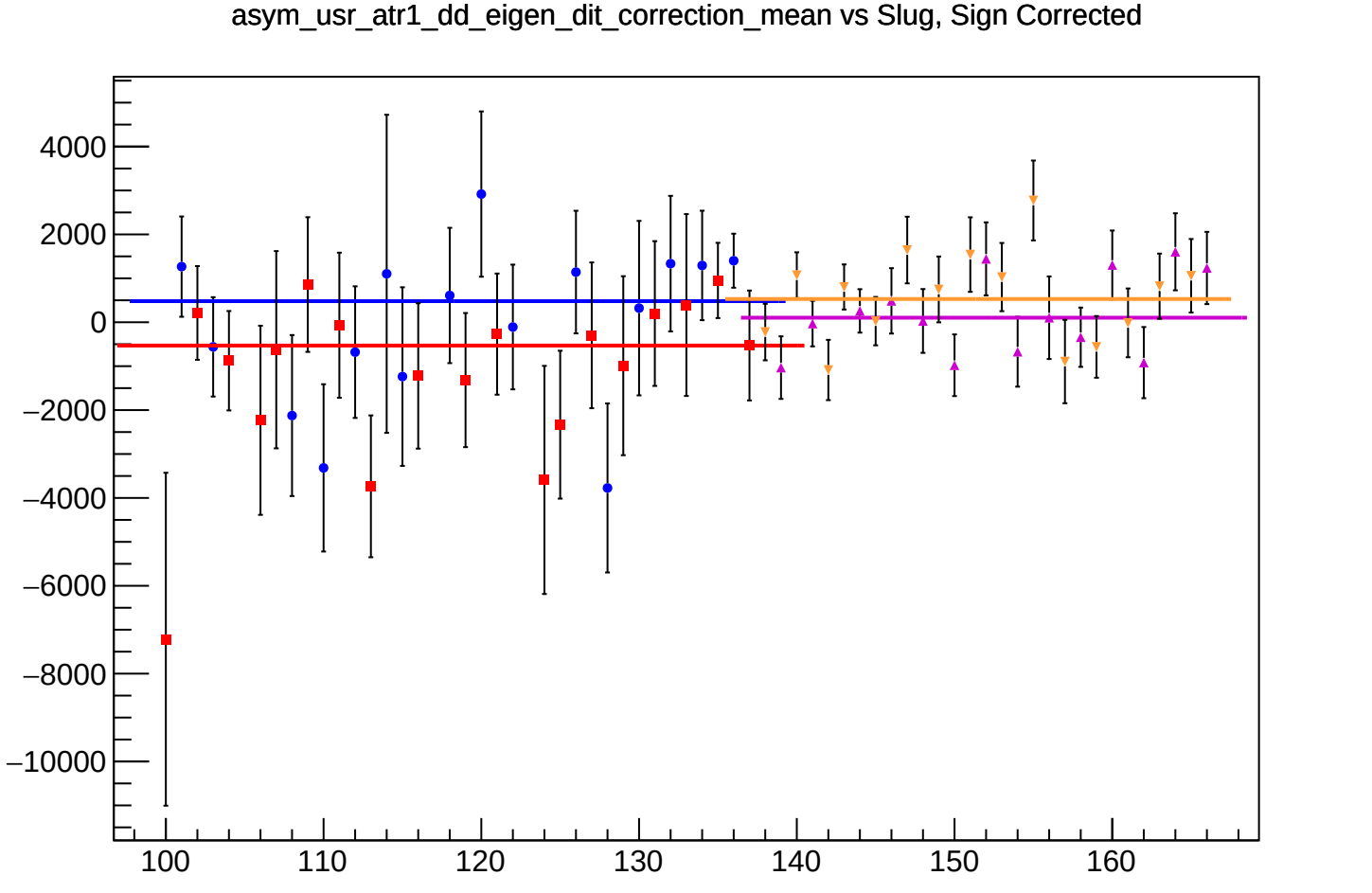
Left: 1316.124+/-0.192 χ^2/NDF: 3223.0/28

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.315+/-0.220 χ^2/NDF:772216.7/29

Out: 1331.622+/-0.216 χ^2/NDF:216538.2/33

All: 1332.944+/-0.154 χ^2/NDF: 988831.2/63



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 529.112+/-179.343 χ^2/NDF:25.0/14

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 103.768+/-189.692 χ^2/NDF:18.1/13

Left: 328.359+/-130.320 χ^2/NDF: 45.7/28

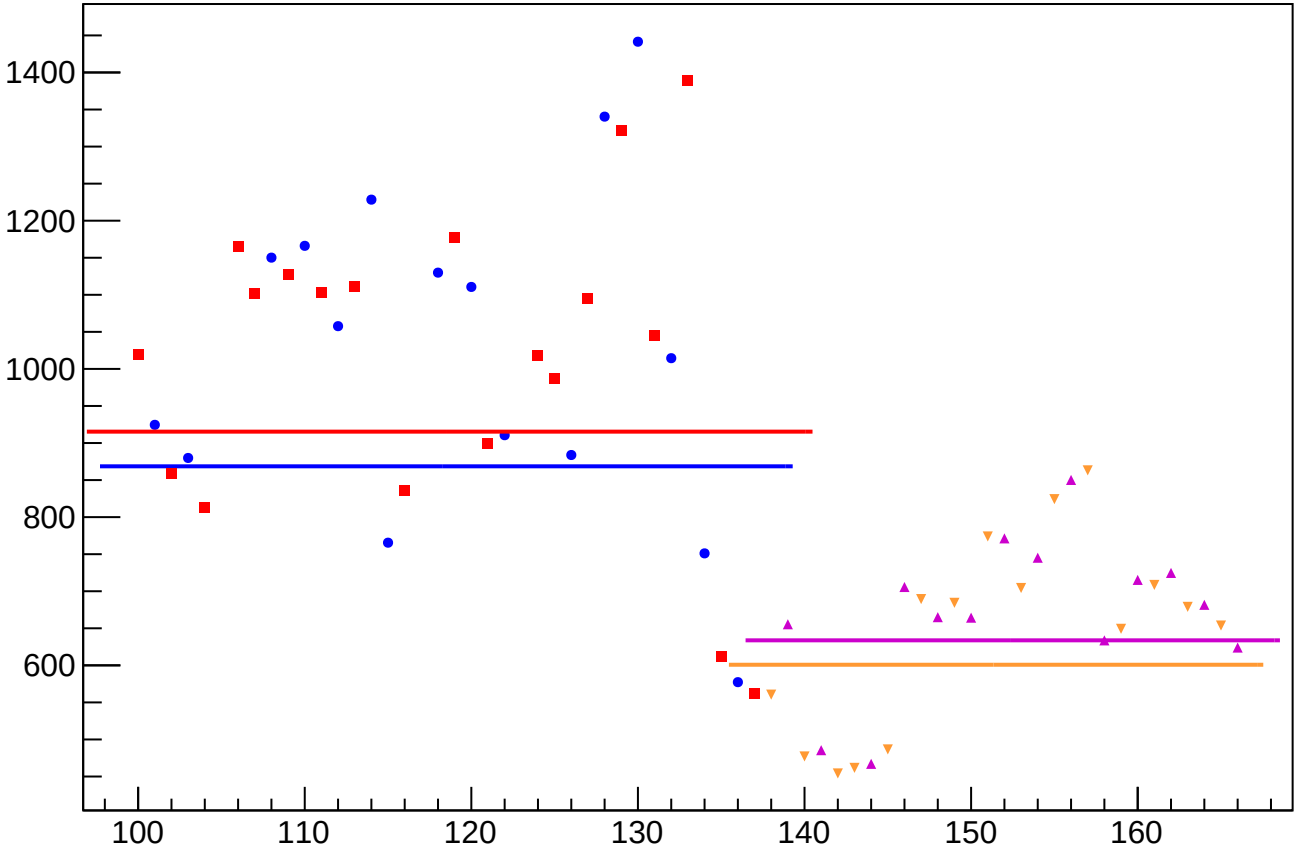
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 194.585+/-165.247 χ^2/NDF:37.7/29

Out: 304.816+/-159.235 χ^2/NDF:48.0/33

All: 251.742+/-114.663 χ^2/NDF: 85.9/63

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 600.819+/-0.127 χ^2/NDF:966622.3/14

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 633.762+/-0.134 χ^2/NDF:671863.1/13

Left: 616.367+/-0.092 χ^2/NDF: 1670335.4/28

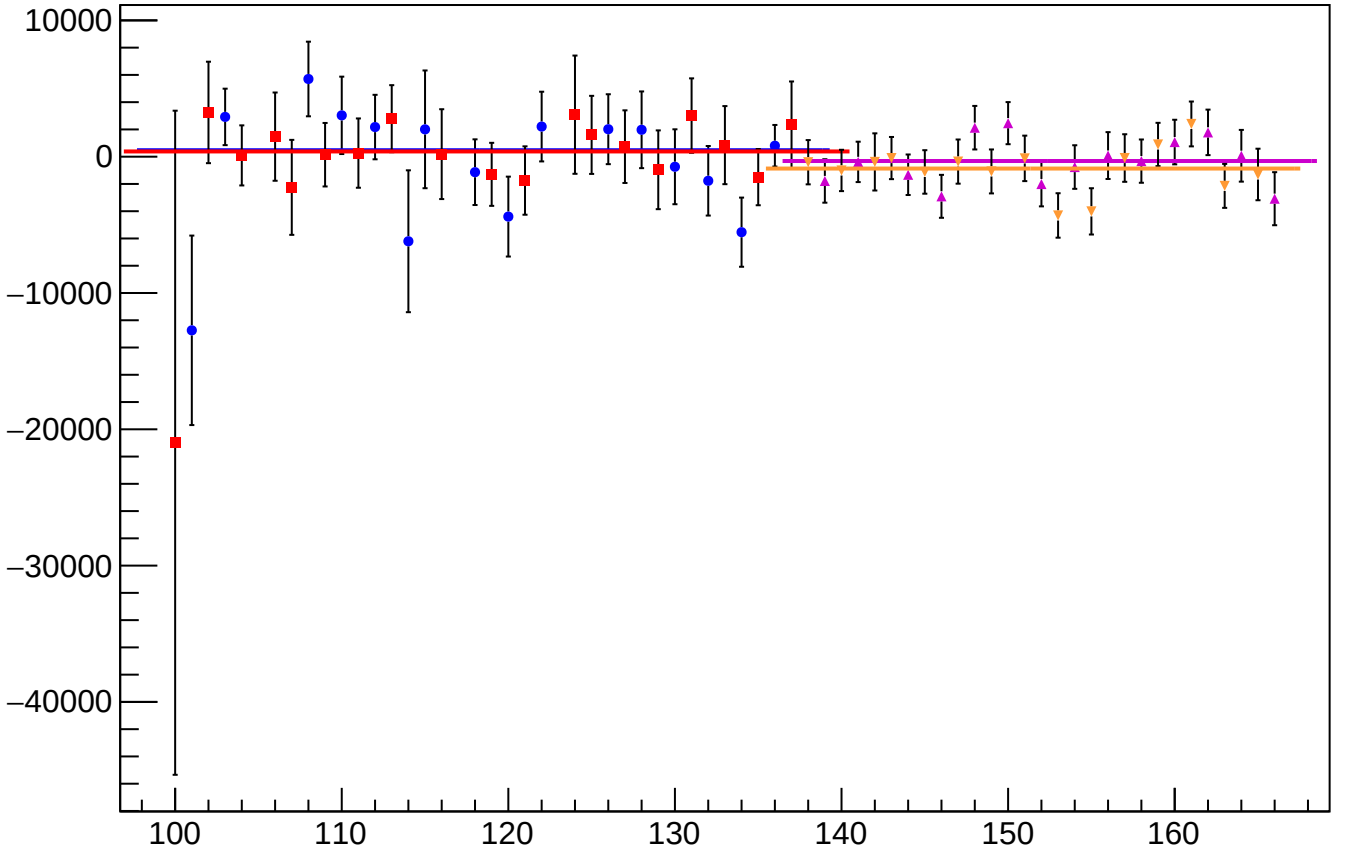
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.381+/-0.117 χ^2/NDF:2432129.0/29

Out: 667.398+/-0.113 χ^2/NDF:3127716.5/33

All: 678.463+/-0.081 χ^2/NDF: 5579905.8/63

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -870.021+/-427.975 χ^2/NDF:14.7/14

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -317.253+/-434.805 χ^2/NDF:15.1/13

Left: -598.012+/-305.010 χ^2/NDF: 30.6/28

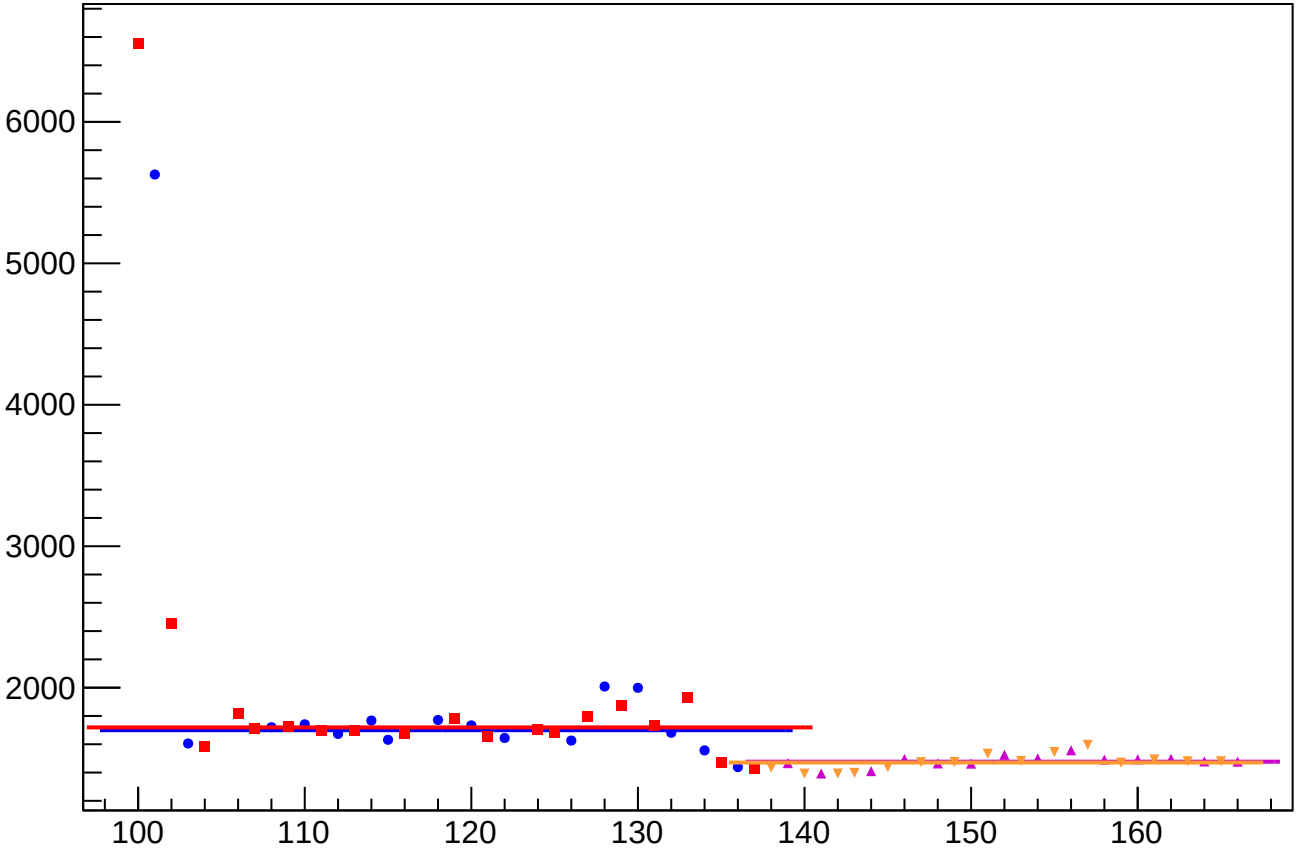
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -72.409+/-361.271 χ^2/NDF:38.9/29

Out: -483.953+/-356.102 χ^2/NDF:24.6/33

All: -281.146+/-253.610 χ^2/NDF: 64.1/63

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.771+/-0.303 χ^2/NDF:31869.6/14

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.852+/-0.307 χ^2/NDF:18277.2/13

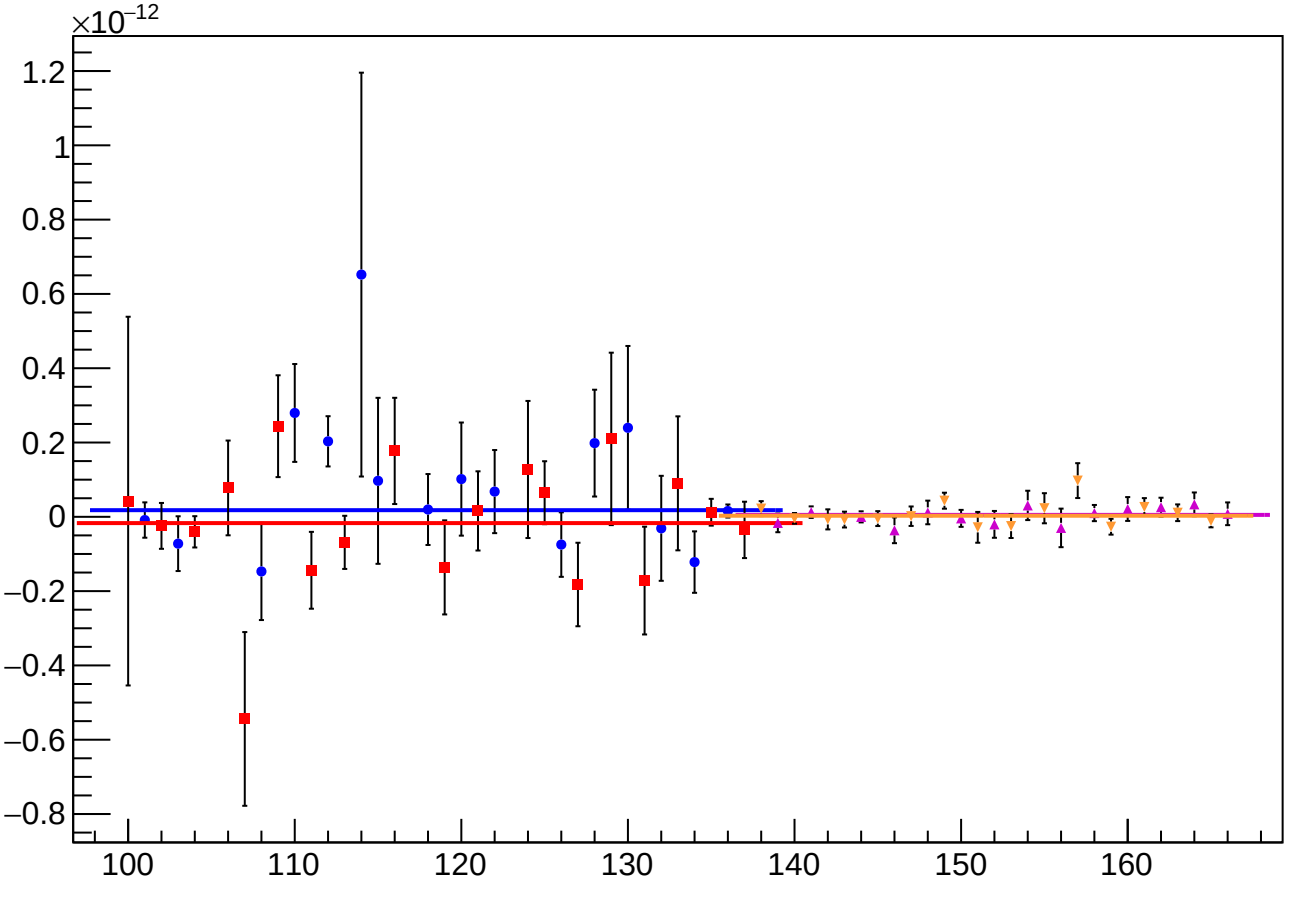
Left: 1473.763+/-0.216 χ^2/NDF: 50345.6/28

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1545.739+/-0.255 χ^2/NDF:942505.9/29

Out: 1547.176+/-0.252 χ^2/NDF:472800.4/33

All: 1546.468+/-0.179 χ^2/NDF: 1415322.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/13

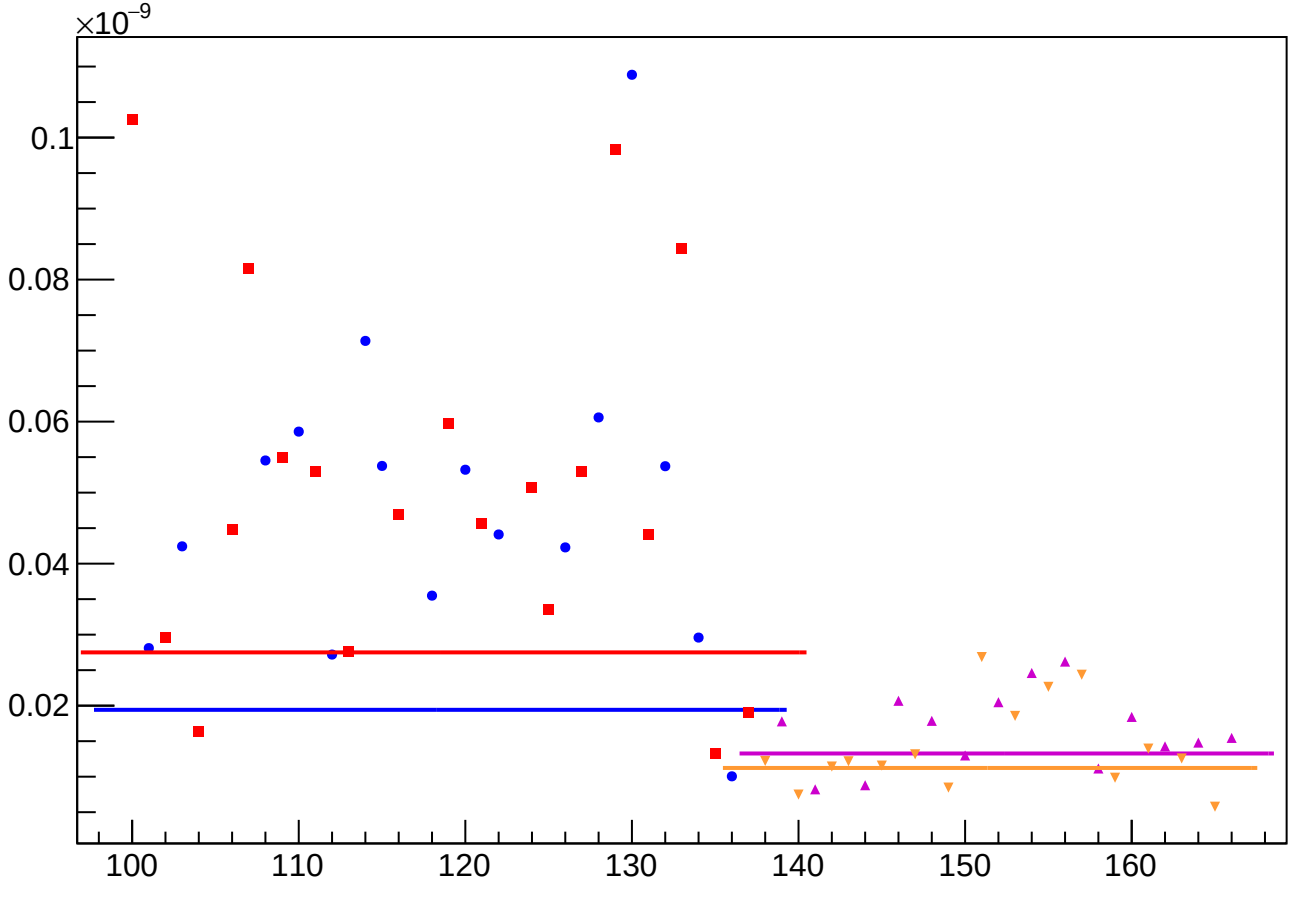
Left: 0.000+/-0.000 χ^2/NDF: 20.4/28

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:30.1/29

Out: 0.000+/-0.000 χ^2/NDF:36.8/33

All: 0.000+/-0.000 χ^2/NDF: 67.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1128804.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1045953.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2279435.5/28

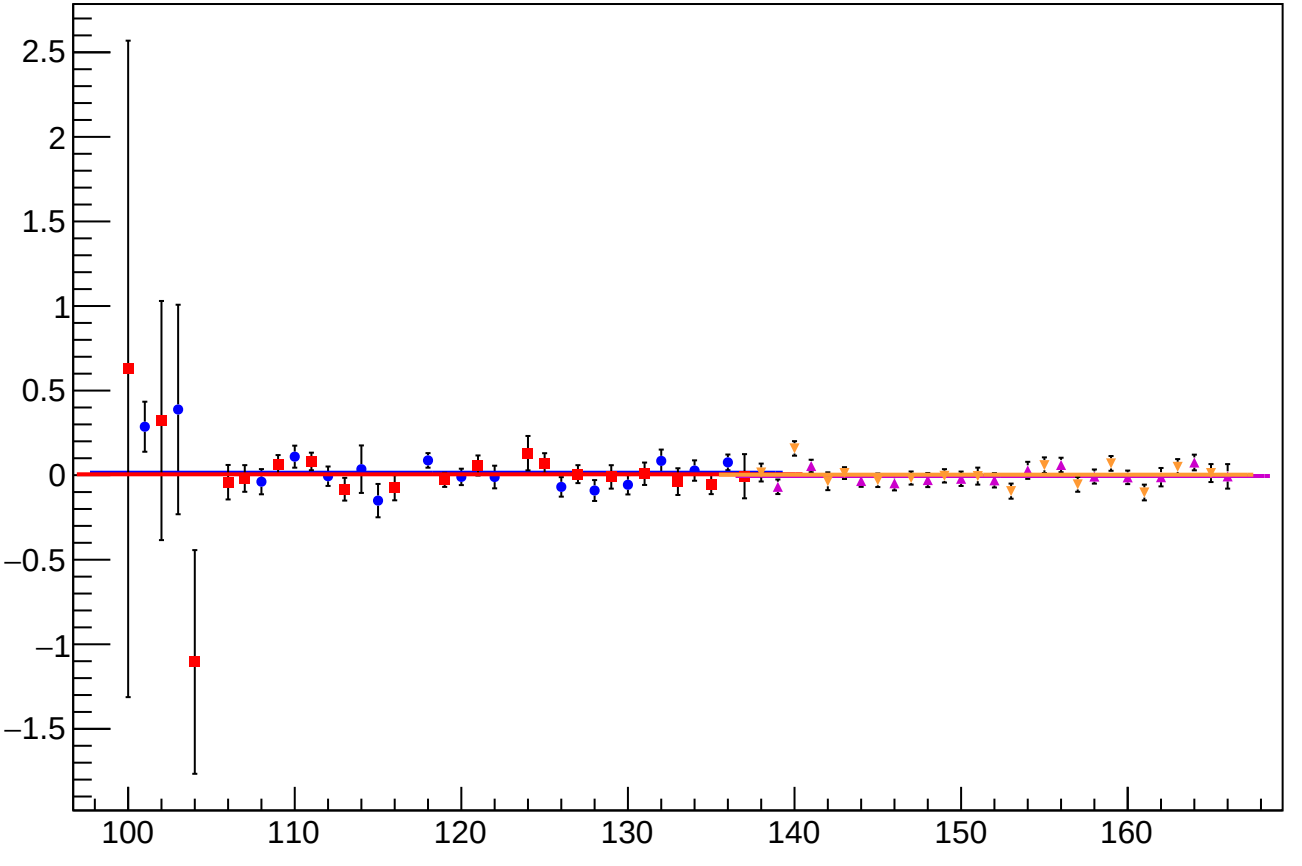
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3621342.6/29

Out: 0.000+/-0.000 χ^2/NDF:4103903.6/33

All: 0.000+/-0.000 χ^2/NDF: 7811576.3/63

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.001+/-0.008 χ^2/NDF: 44.5/28

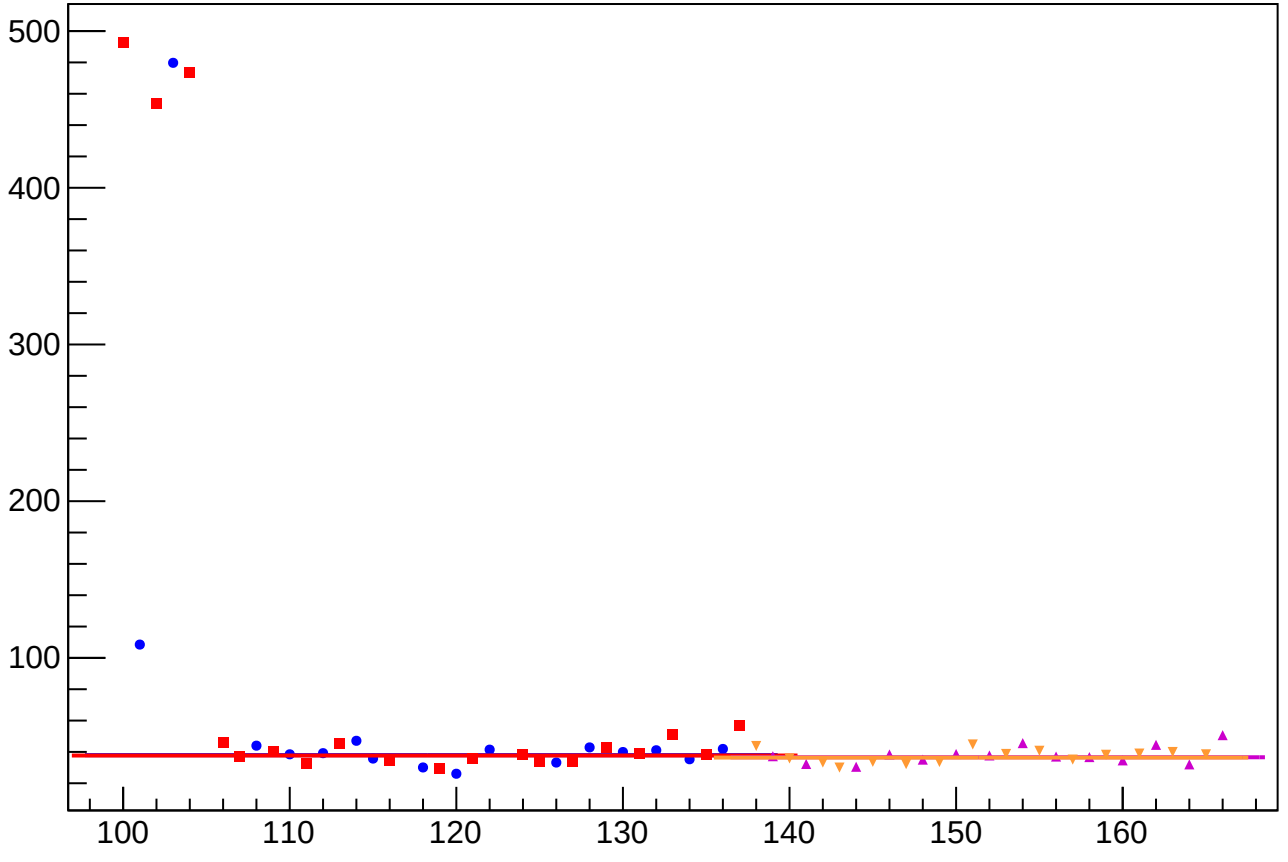
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/63

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.391+/-0.008 χ^2/NDF:260504.9/14

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.586+/-0.008 χ^2/NDF:308047.8/13

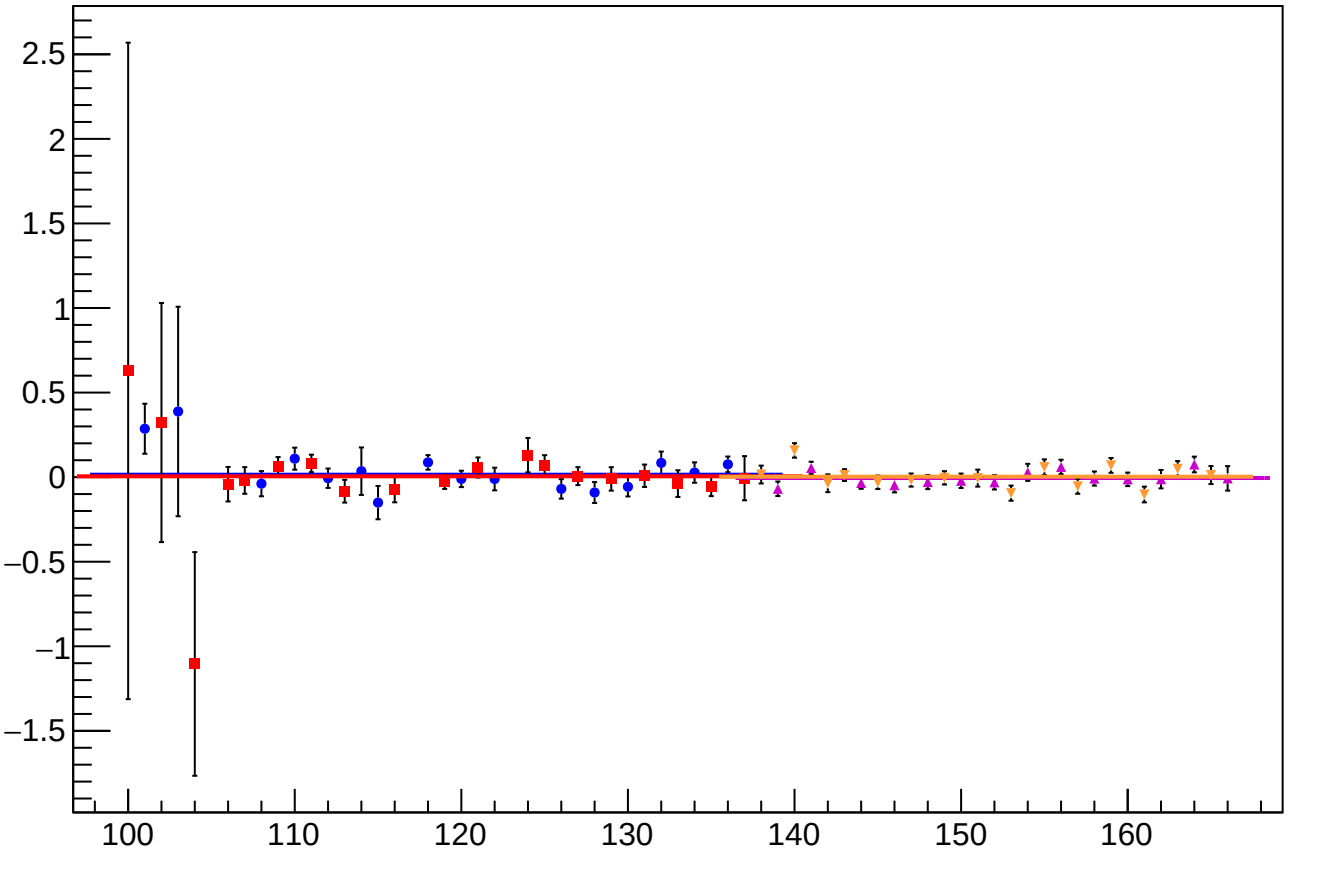
Left: 36.487+/-0.006 χ^2/NDF: 568841.8/28

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.054+/-0.007 χ^2/NDF:2057206.1/29

Out: 36.828+/-0.007 χ^2/NDF:2214175.7/33

All: 36.940+/-0.005 χ^2/NDF: 4271968.5/63



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.001+/-0.008 χ^2/NDF: 44.5/28

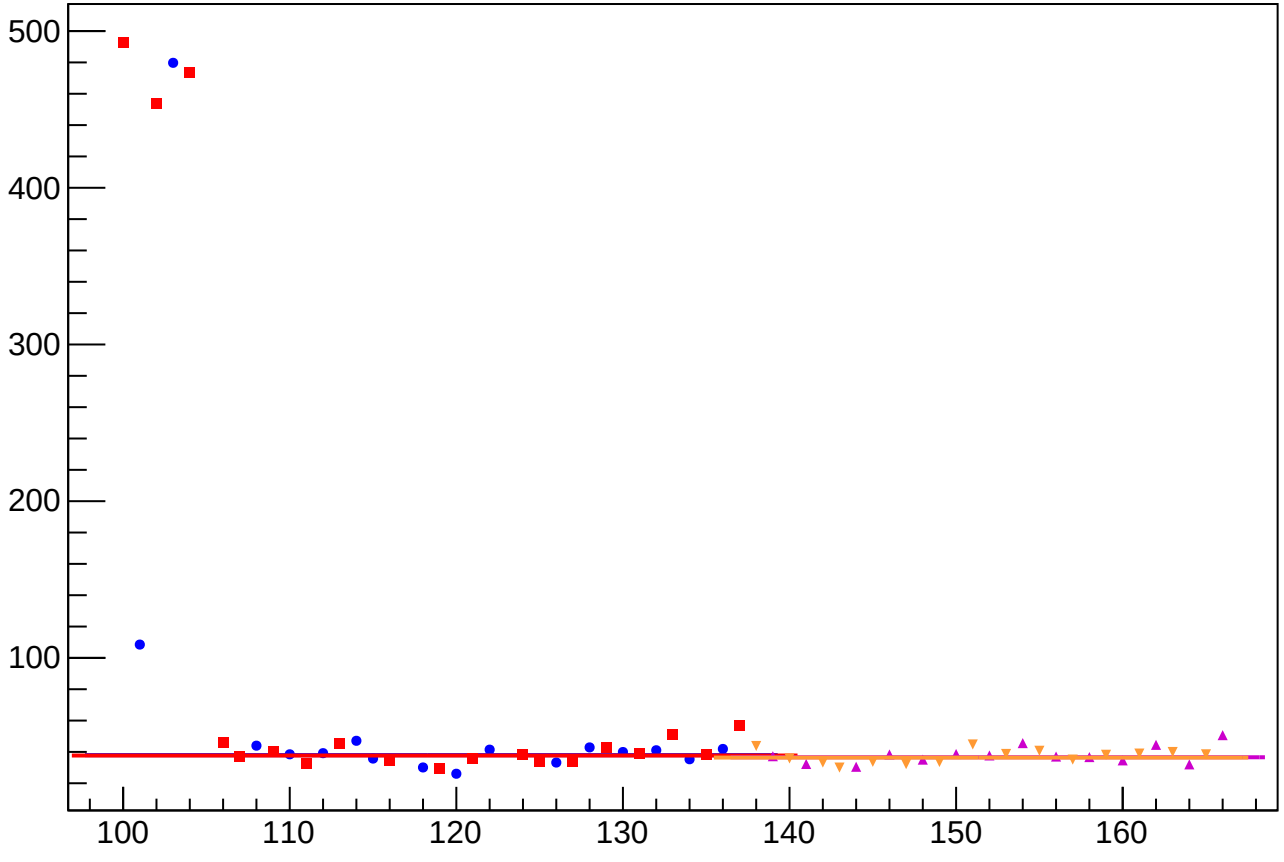
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/63

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.391+/-0.008 χ^2/NDF:260504.9/14

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.586+/-0.008 χ^2/NDF:308047.8/13

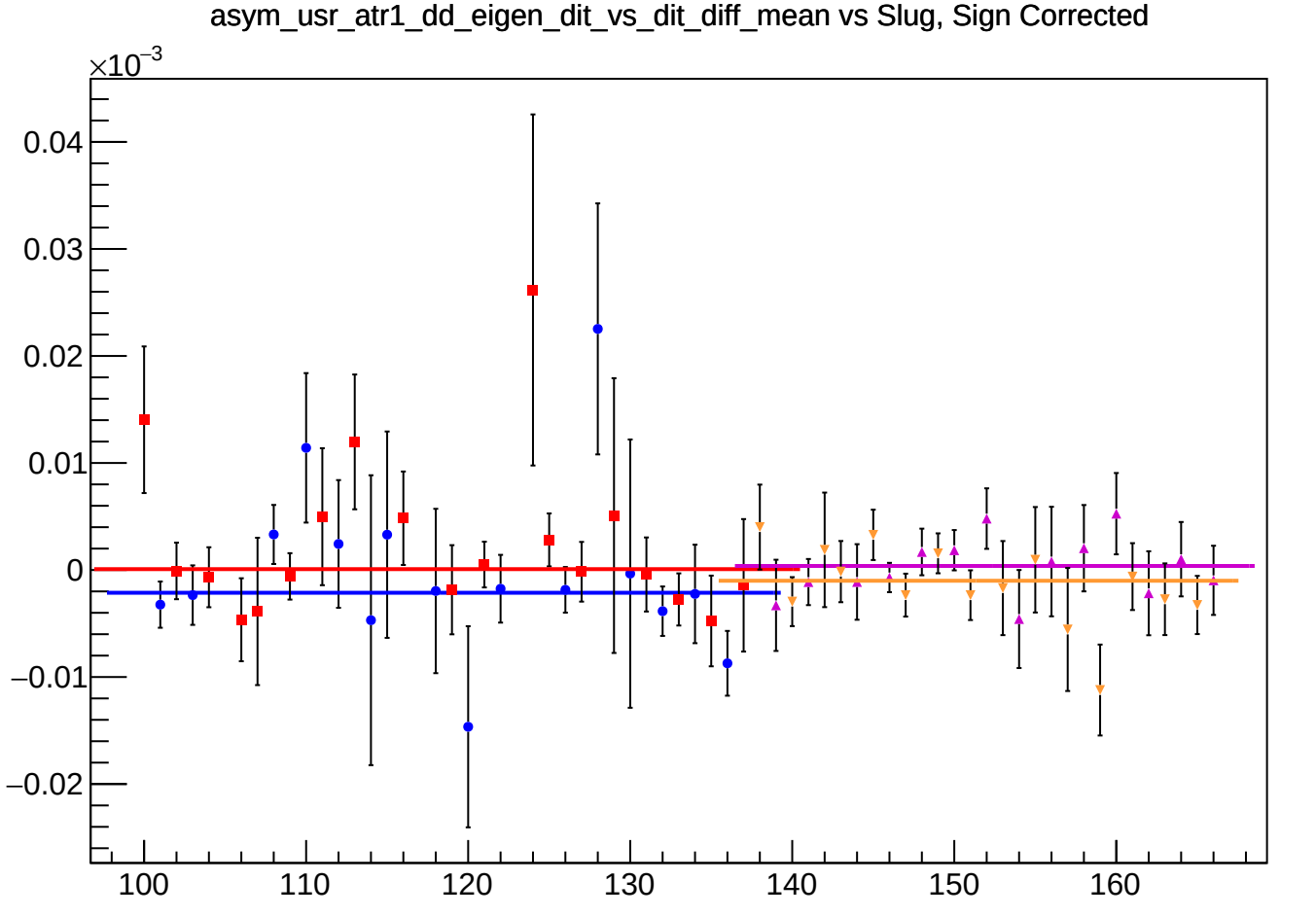
Left: 36.487+/-0.006 χ^2/NDF: 568841.8/28

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.054+/-0.007 χ^2/NDF:2057206.1/29

Out: 36.828+/-0.007 χ^2/NDF:2214175.7/33

All: 36.940+/-0.005 χ^2/NDF: 4271968.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/13

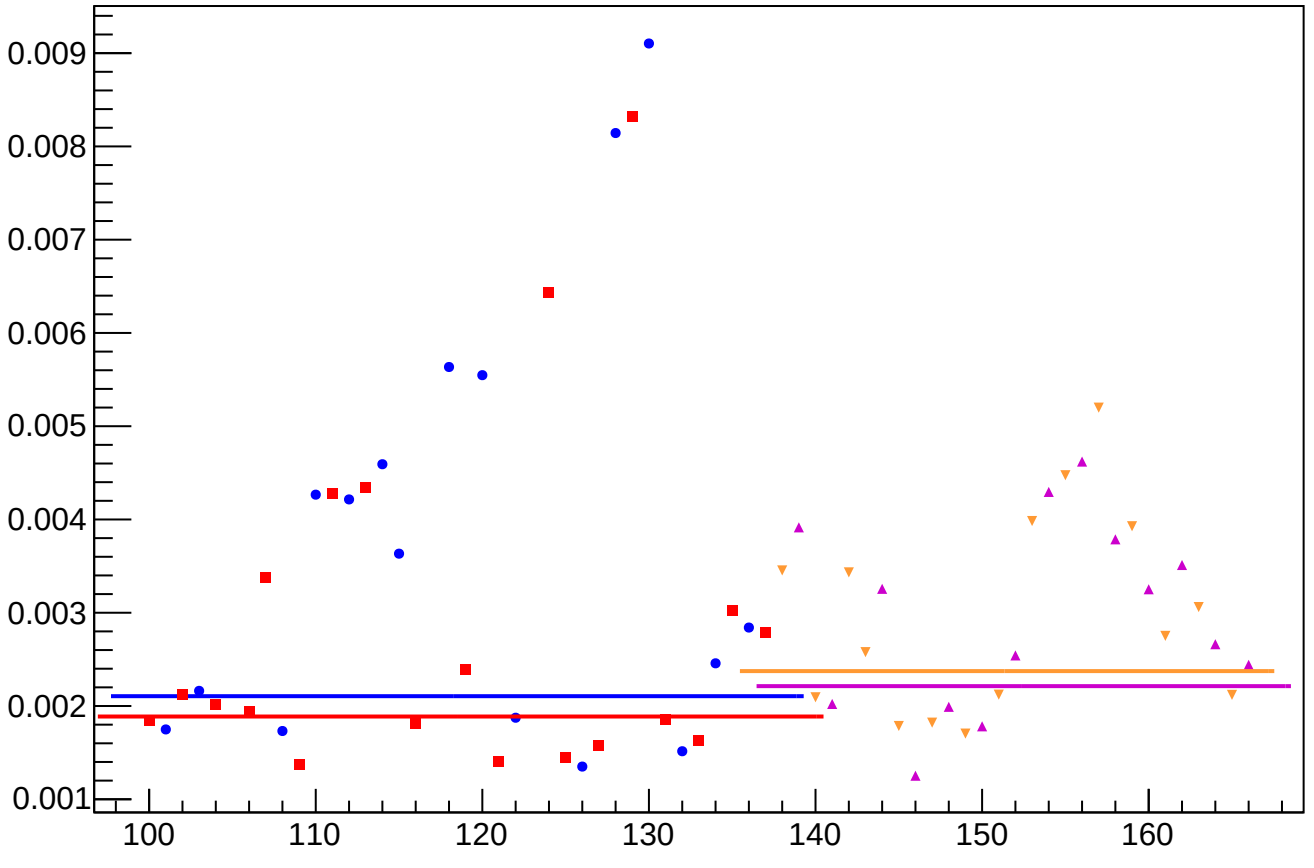
Left: -0.000+/-0.000 χ^2/NDF: 27.2/28

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.3/29

Out: -0.000+/-0.000 χ^2/NDF:35.7/33

All: -0.000+/-0.000 χ^2/NDF: 69.9/63



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2338488.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3219814.8/13

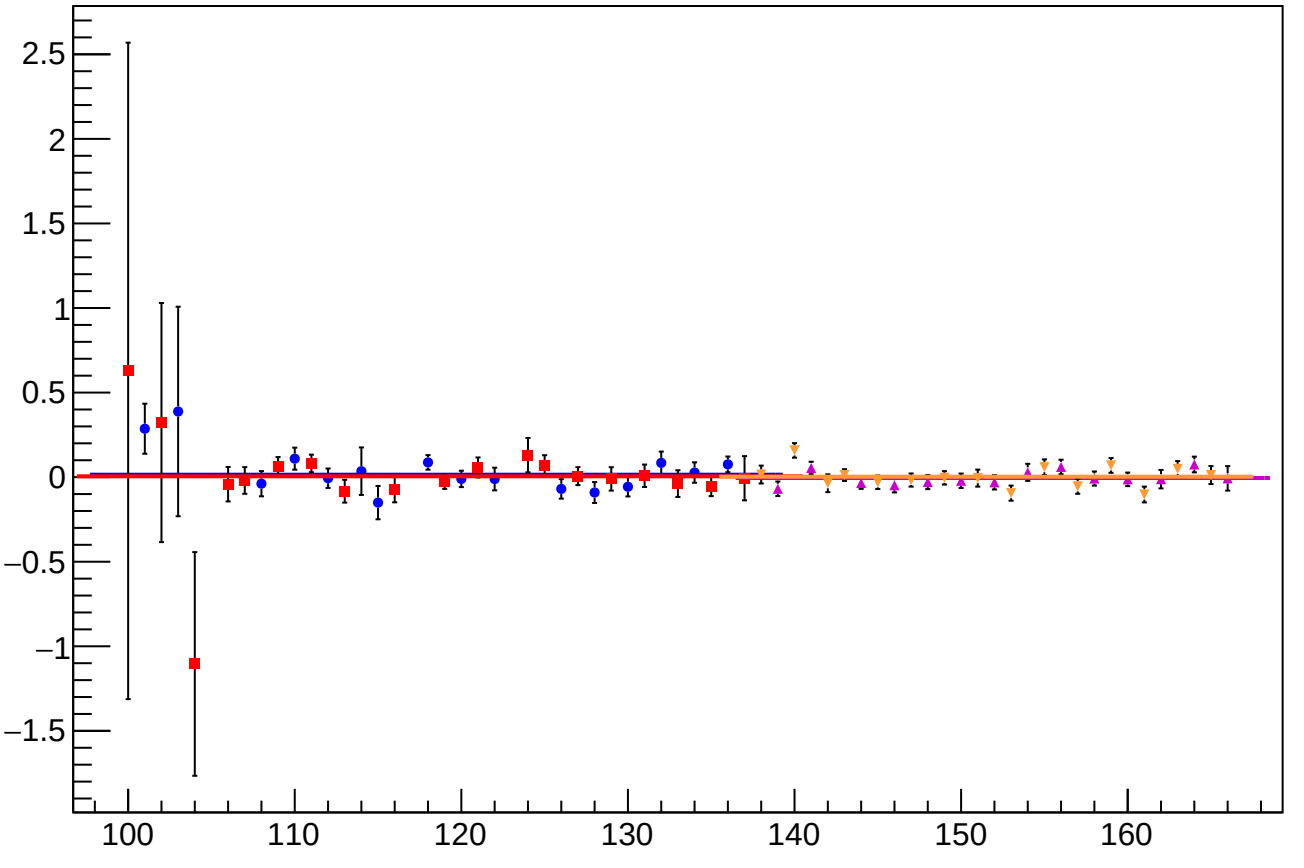
Left: 0.002+/-0.000 χ^2/NDF: 5607383.8/28

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6255068.6/29

Out: 0.002+/-0.000 χ^2/NDF:4635210.3/33

All: 0.002+/-0.000 χ^2/NDF: 10892396.1/63



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.001+/-0.008 χ^2/NDF: 44.5/28

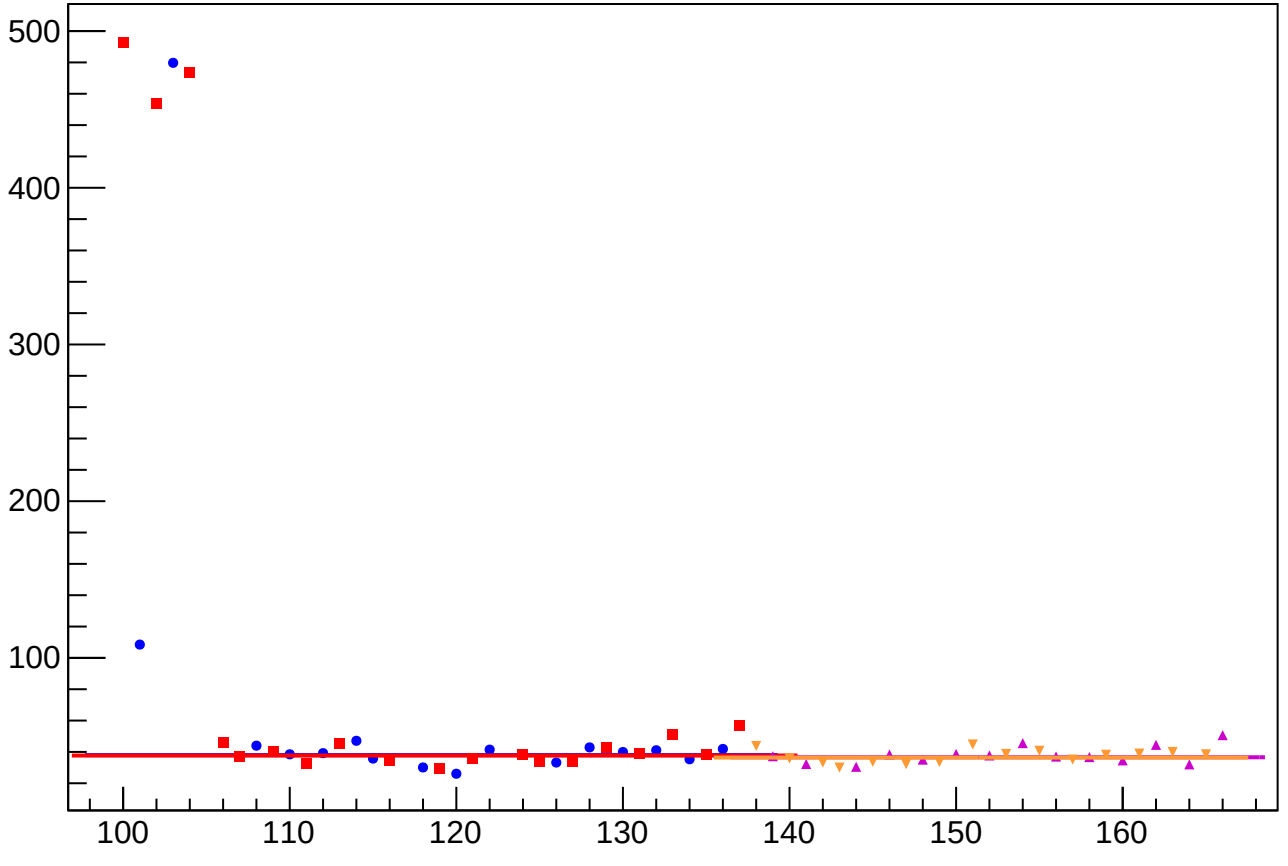
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/63

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.391+/-0.008 χ^2/NDF:260557.8/14

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.586+/-0.008 χ^2/NDF:308083.6/13

Left: 36.487+/-0.006 χ^2/NDF: 568929.7/28

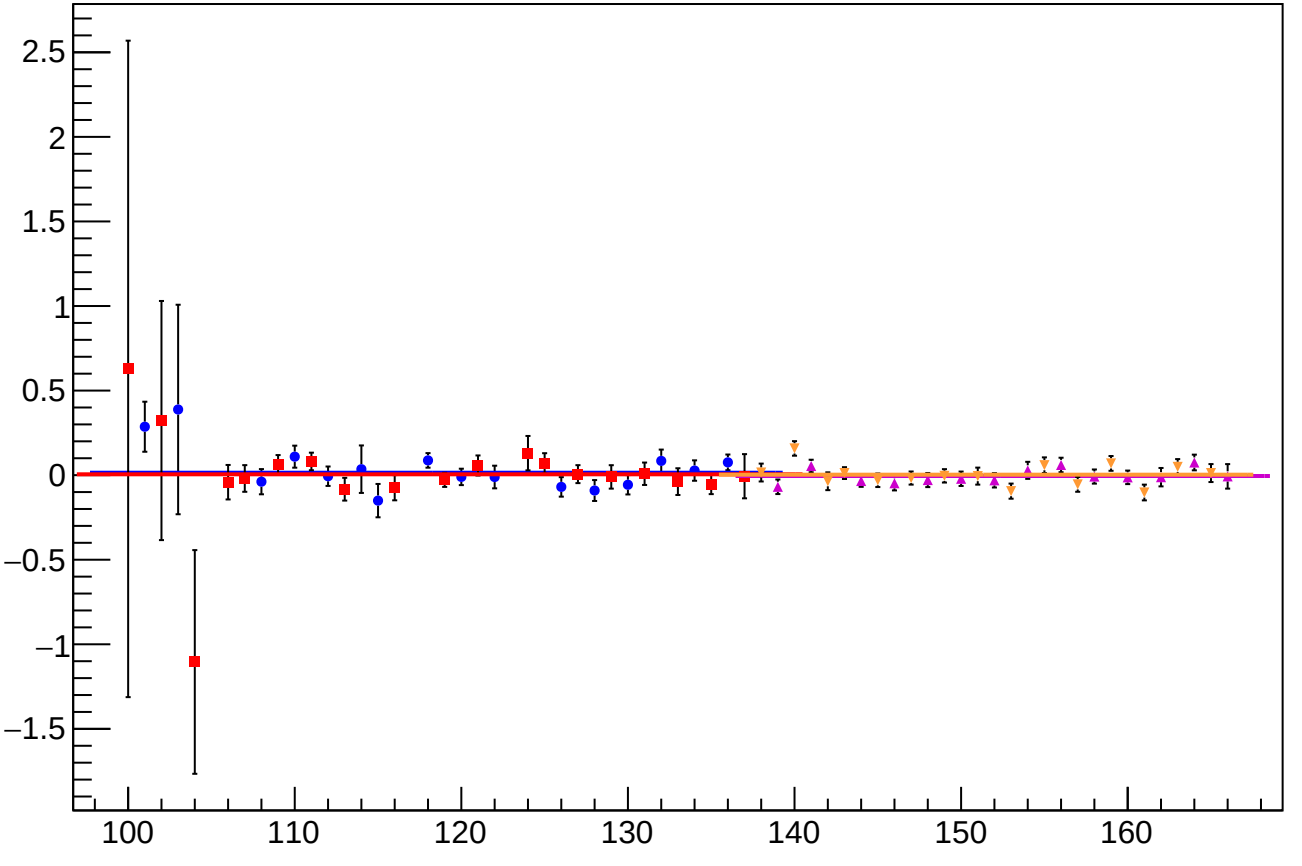
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.054+/-0.007 χ^2/NDF:2057251.4/29

Out: 36.828+/-0.007 χ^2/NDF:2214290.9/33

All: 36.940+/-0.005 χ^2/NDF: 4272129.3/63

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/13

Left: -0.001+/-0.008 χ^2/NDF: 44.5/28

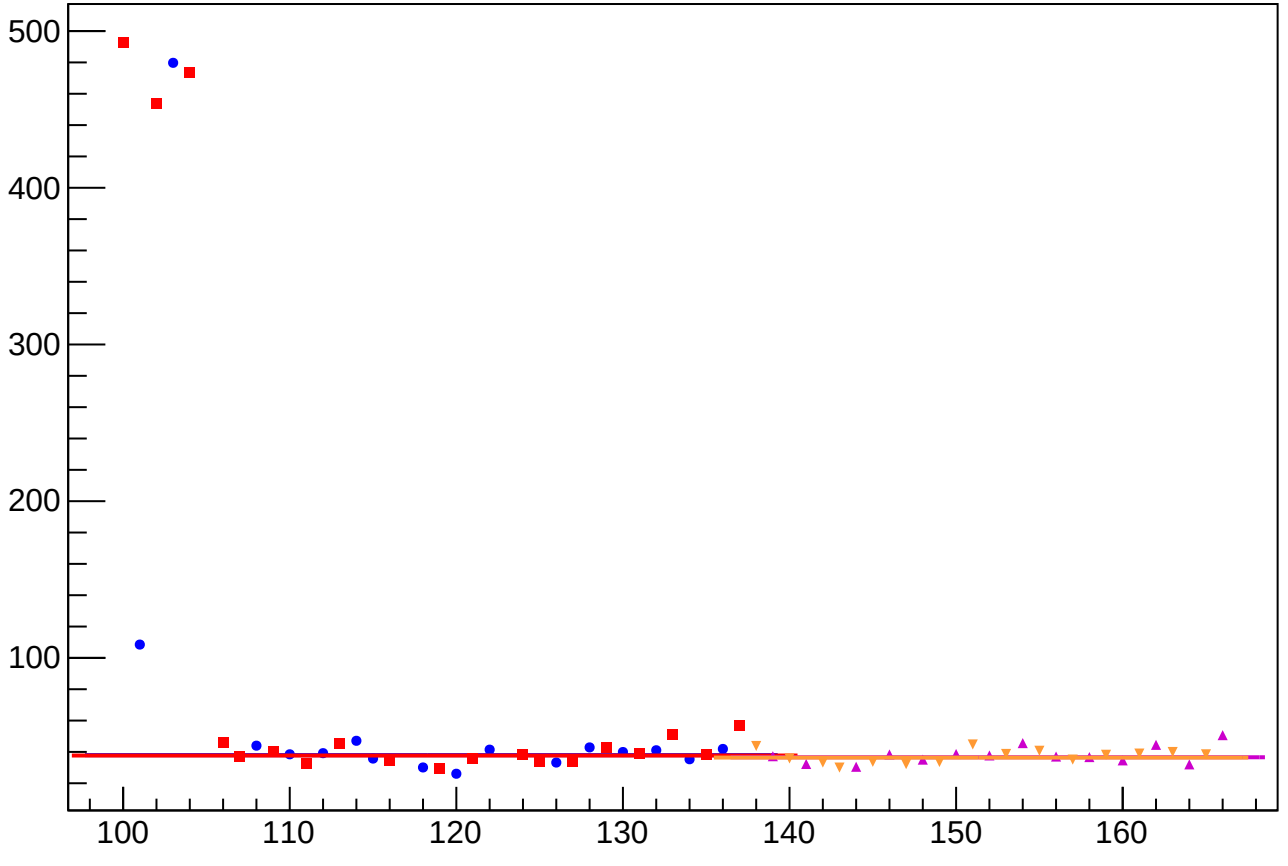
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/29

Out: 0.004+/-0.009 χ^2/NDF:46.0/33

All: 0.003+/-0.007 χ^2/NDF: 82.2/63

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.391+/-0.008 χ^2/NDF:260557.8/14

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.586+/-0.008 χ^2/NDF:308083.6/13

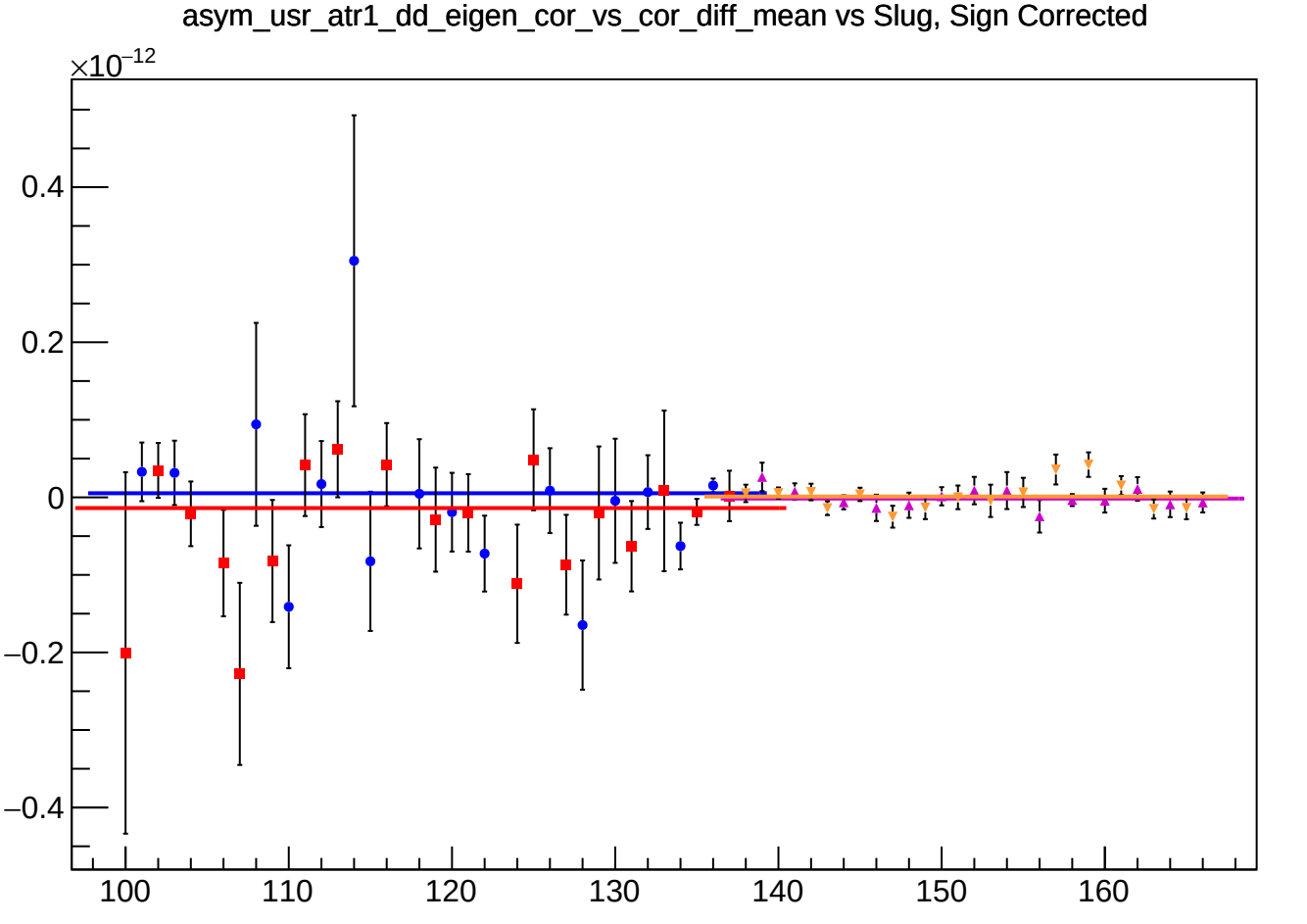
Left: 36.487+/-0.006 χ^2/NDF: 568929.7/28

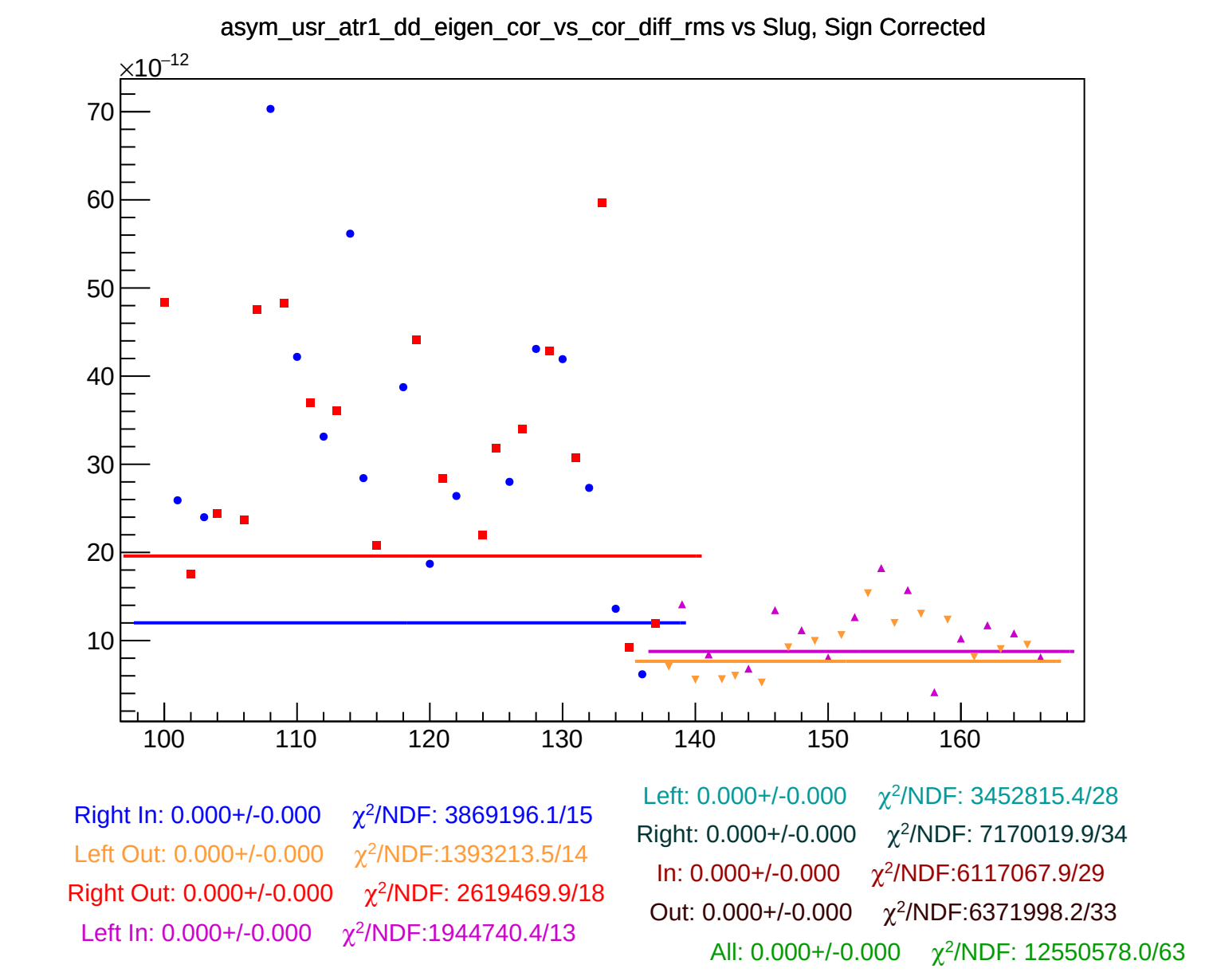
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

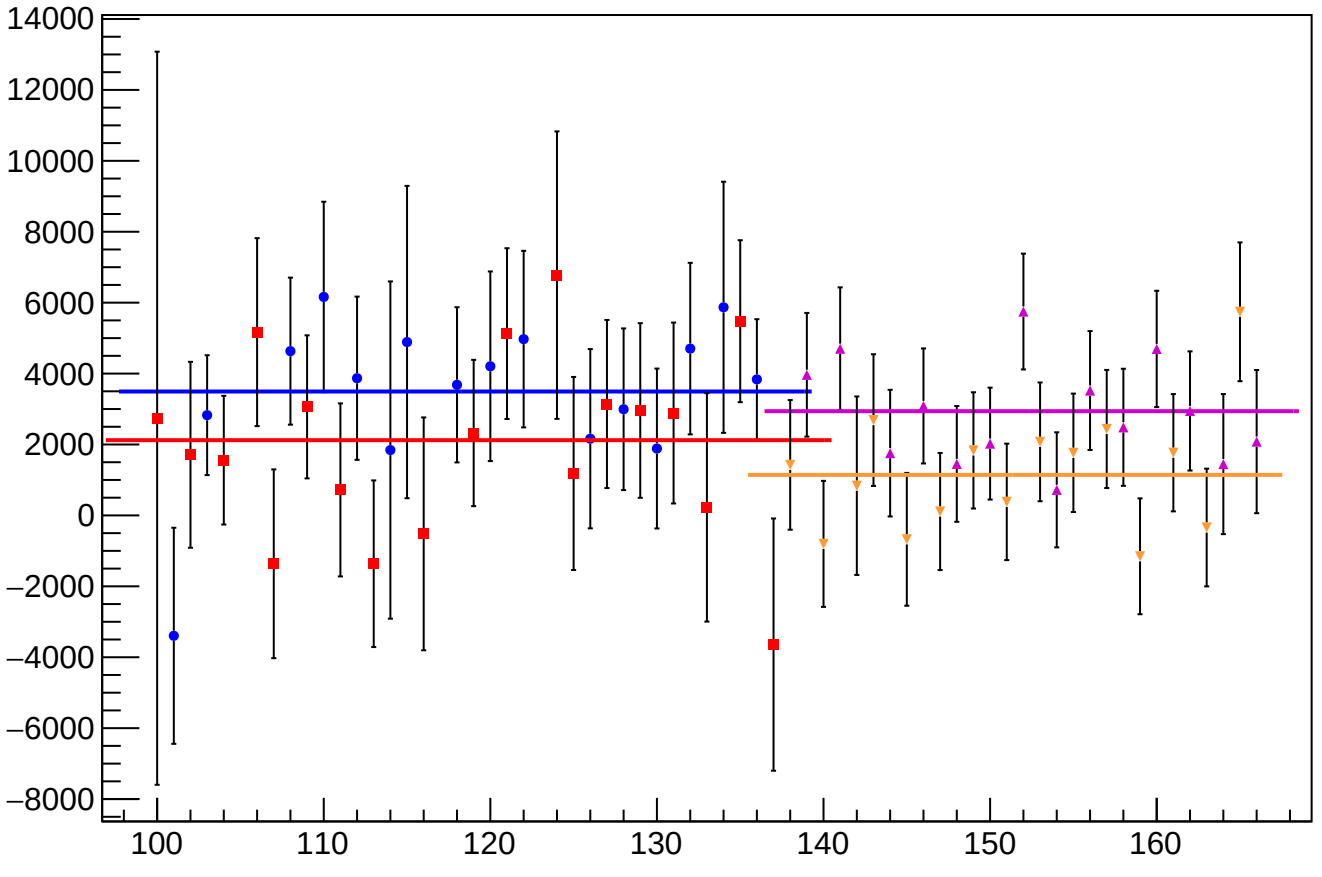
In: 37.054+/-0.007 χ^2/NDF:2057251.4/29

Out: 36.828+/-0.007 χ^2/NDF:2214290.9/33

All: 36.940+/-0.005 χ^2/NDF: 4272129.3/63


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 21.7/15
Left Out: 0.000+/-0.000 χ²/NDF:22.2/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:7.0/13
Left: -0.000+/-0.000 χ²/NDF: 29.5/28
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: -0.000+/-0.000 χ²/NDF:29.3/29
Out: -0.000+/-0.000 χ²/NDF:40.0/33
All: -0.000+/-0.000 χ²/NDF: 69.4/63


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1393213.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:1944740.4/13
Left: 0.000+/-0.000 χ²/NDF: 3452815.4/28
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6117067.9/29
Out: 0.000+/-0.000 χ²/NDF:6371998.2/33
All: 0.000+/-0.000 χ²/NDF: 12550578.0/63



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.490+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2938.990+/-454.712 χ^2/NDF:9.9/13

Left: 2035.109+/-320.521 χ^2/NDF: 30.9/28

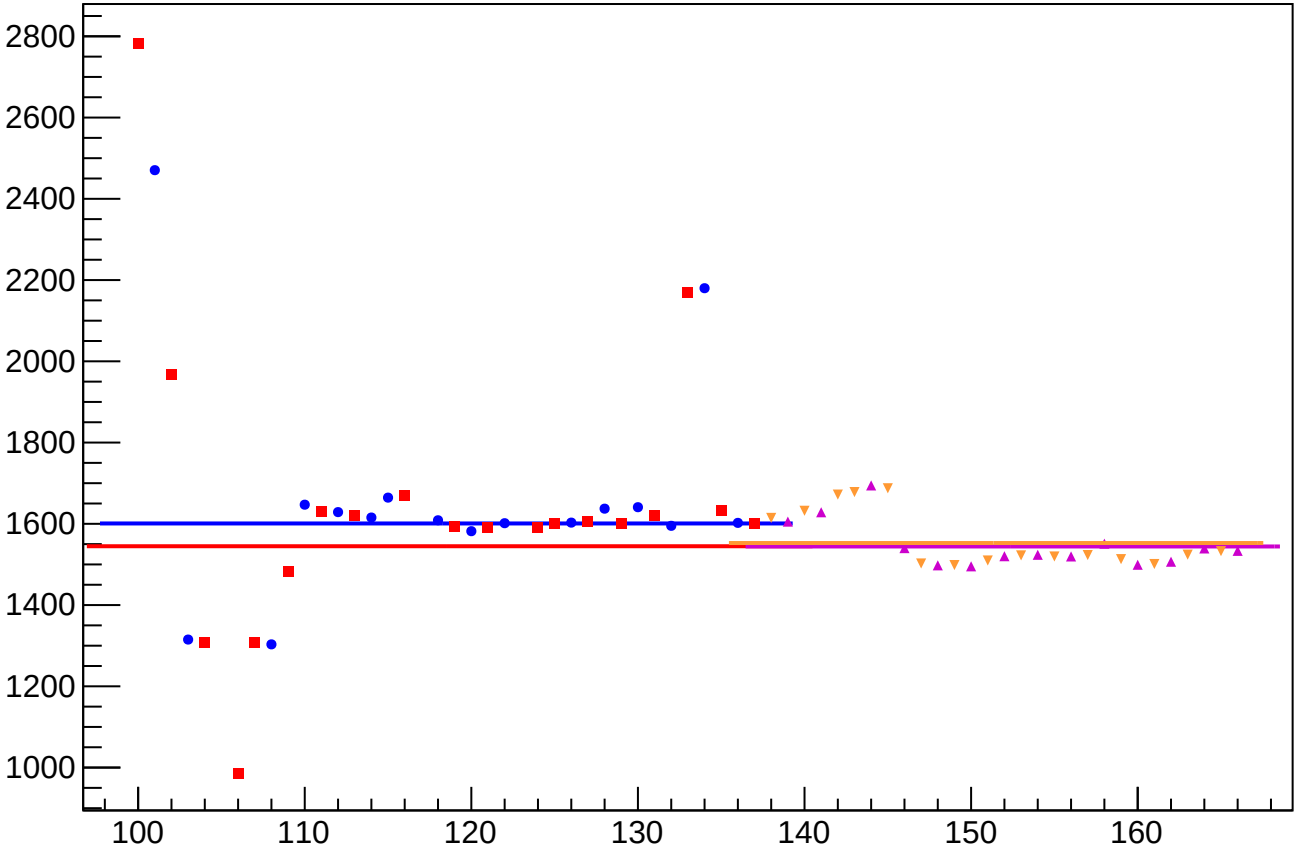
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3141.096+/-362.660 χ^2/NDF:19.3/29

Out: 1506.371+/-358.205 χ^2/NDF:30.0/33

All: 2313.633+/-254.850 χ^2/NDF: 59.5/63

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

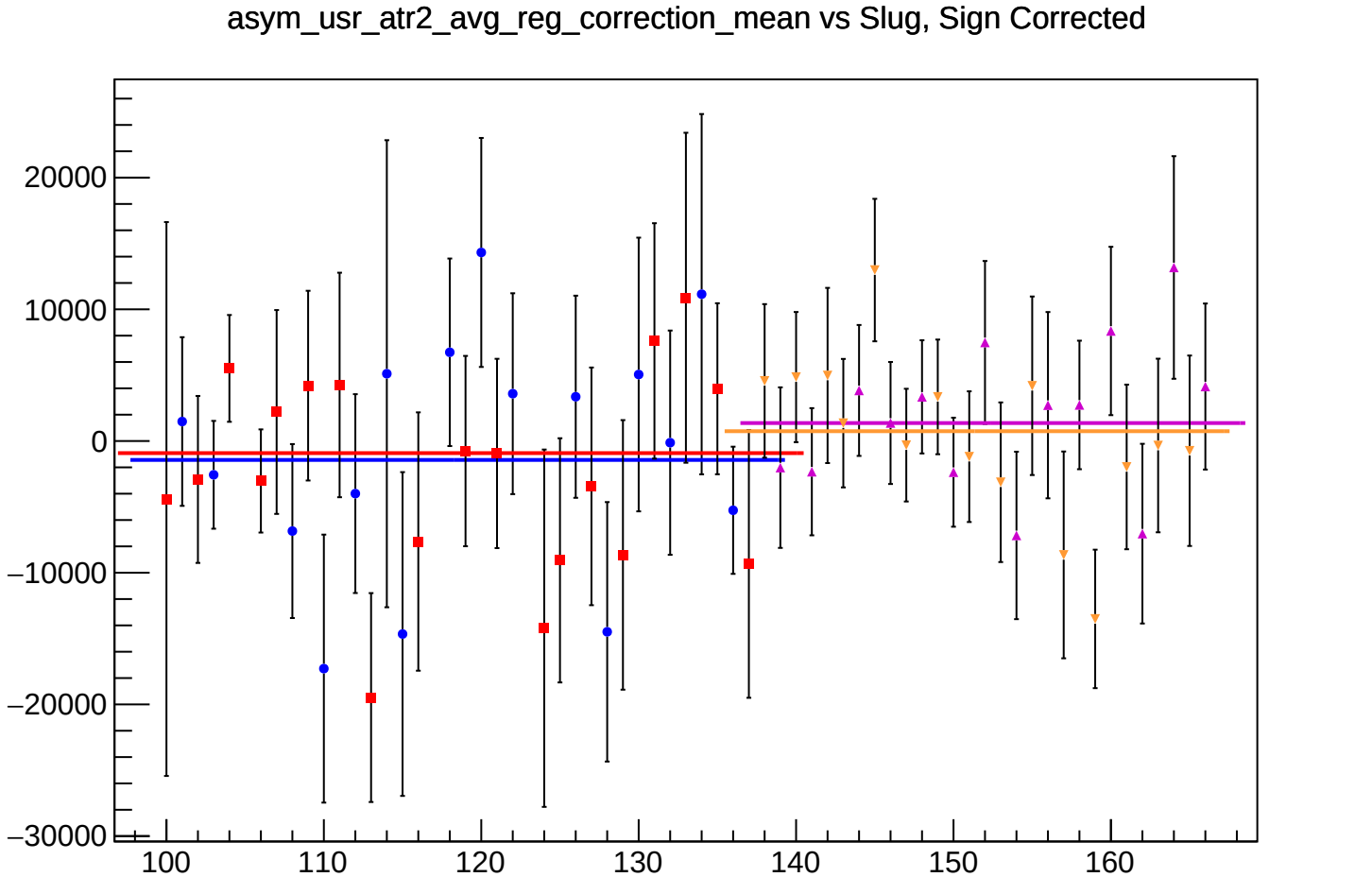
Left: 1548.492+/-0.227 χ^2/NDF: 70699.5/28

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1564.845+/-0.256 χ^2/NDF:357391.3/29

Out: 1549.705+/-0.252 χ^2/NDF:418028.1/33

All: 1557.134+/-0.180 χ^2/NDF: 777194.7/63



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 744.668+/-1433.975 χ^2/NDF:16.9/14

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1364.611+/-1462.701 χ^2/NDF:9.9/13

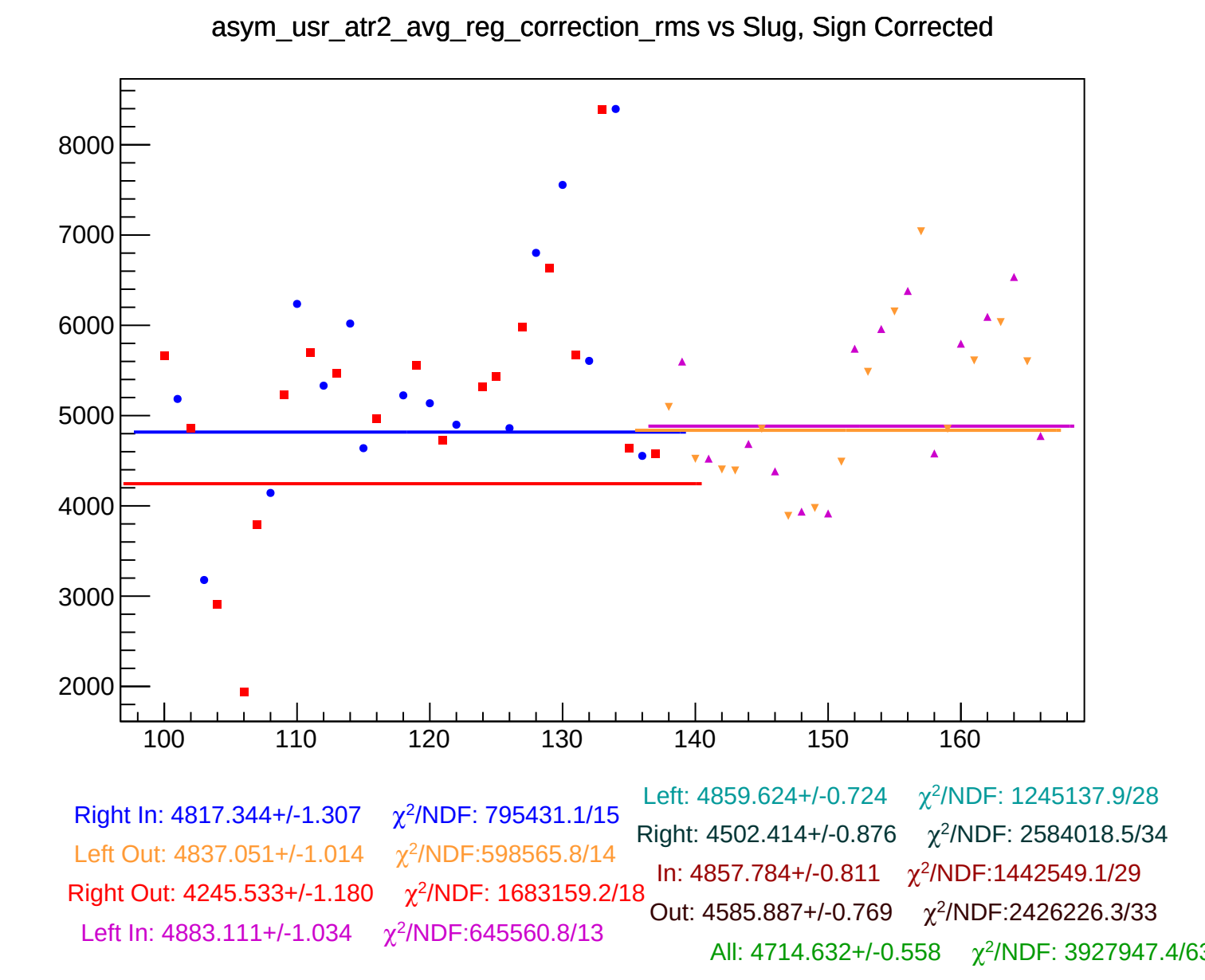
Left: 1048.492+/-1023.979 χ^2/NDF: 27.0/28

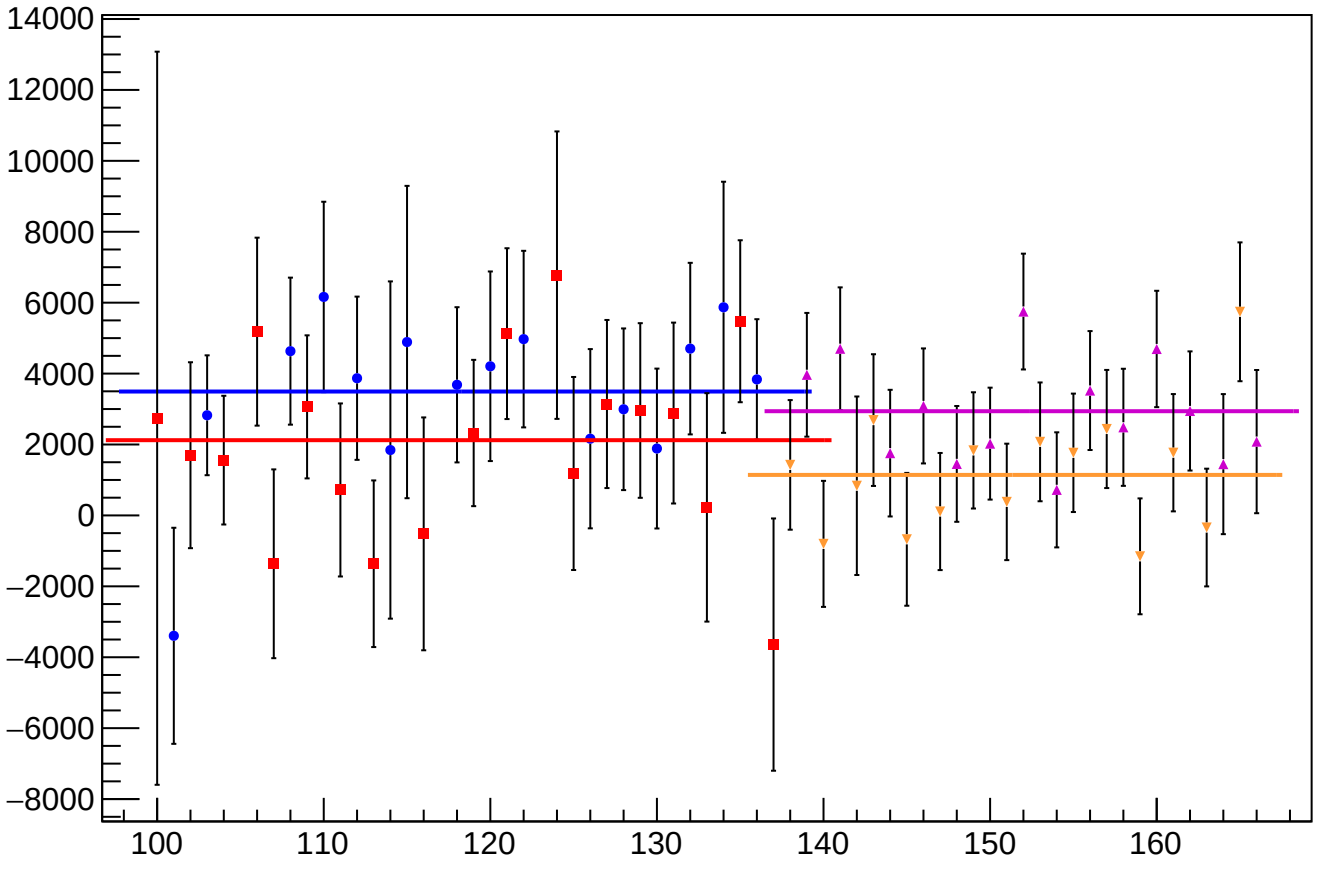
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 285.661+/-1146.983 χ^2/NDF:25.2/29

Out: 38.478+/-1087.735 χ^2/NDF:32.9/33

All: 155.521+/-789.260 χ^2/NDF: 58.1/63


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4837.051+/-1.014 χ²/NDF:598565.8/14
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4883.111+/-1.034 χ²/NDF:645560.8/13
Left: 4859.624+/-0.724 χ²/NDF: 1245137.9/28
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4857.784+/-0.811 χ²/NDF:1442549.1/29
Out: 4585.887+/-0.769 χ²/NDF:2426226.3/33
All: 4714.632+/-0.558 χ²/NDF: 3927947.4/63



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2938.995+/-454.712 χ^2/NDF:9.9/13

Left: 2035.030+/-320.521 χ^2/NDF: 30.9/28

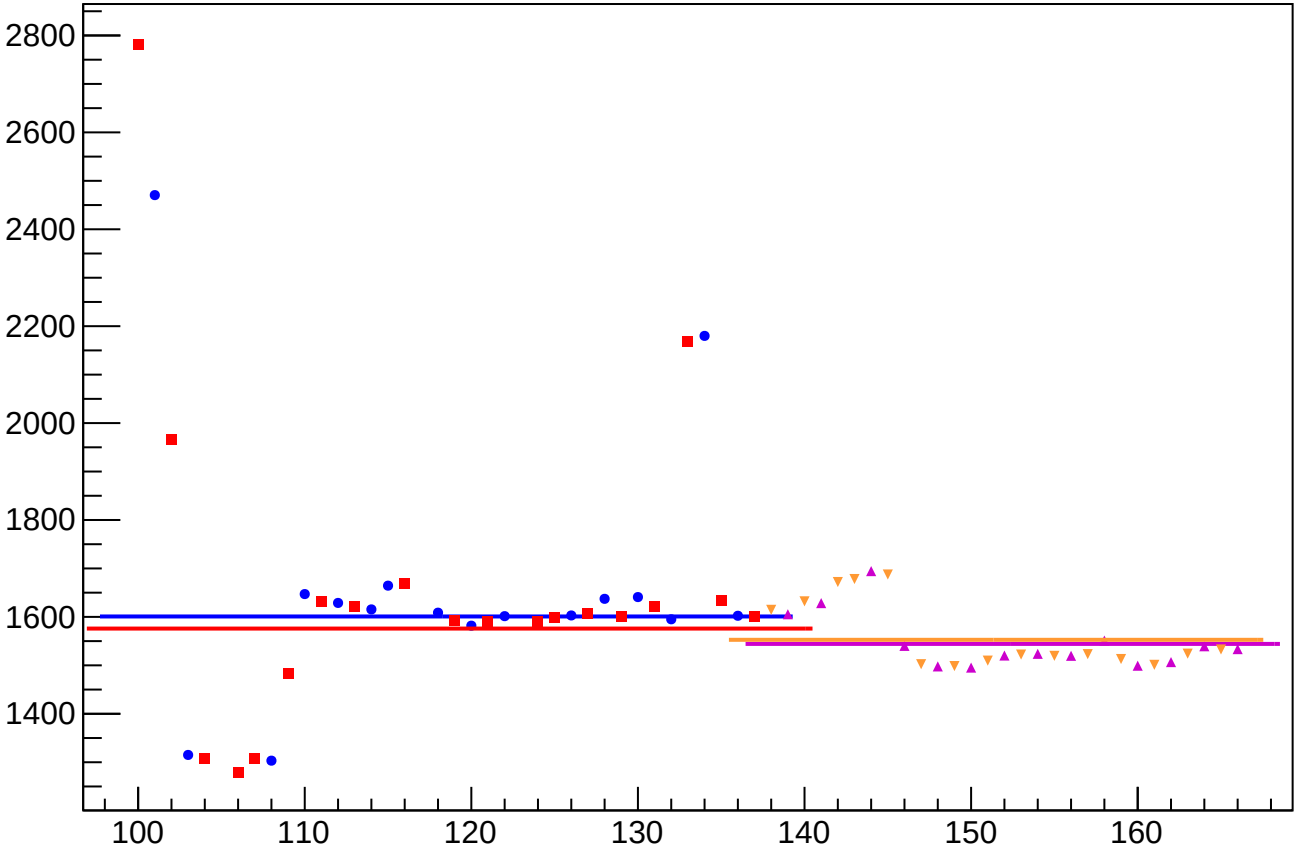
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3140.978+/-362.660 χ^2/NDF:19.3/29

Out: 1506.263+/-358.206 χ^2/NDF:30.0/33

All: 2313.522+/-254.850 χ^2/NDF: 59.5/63

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

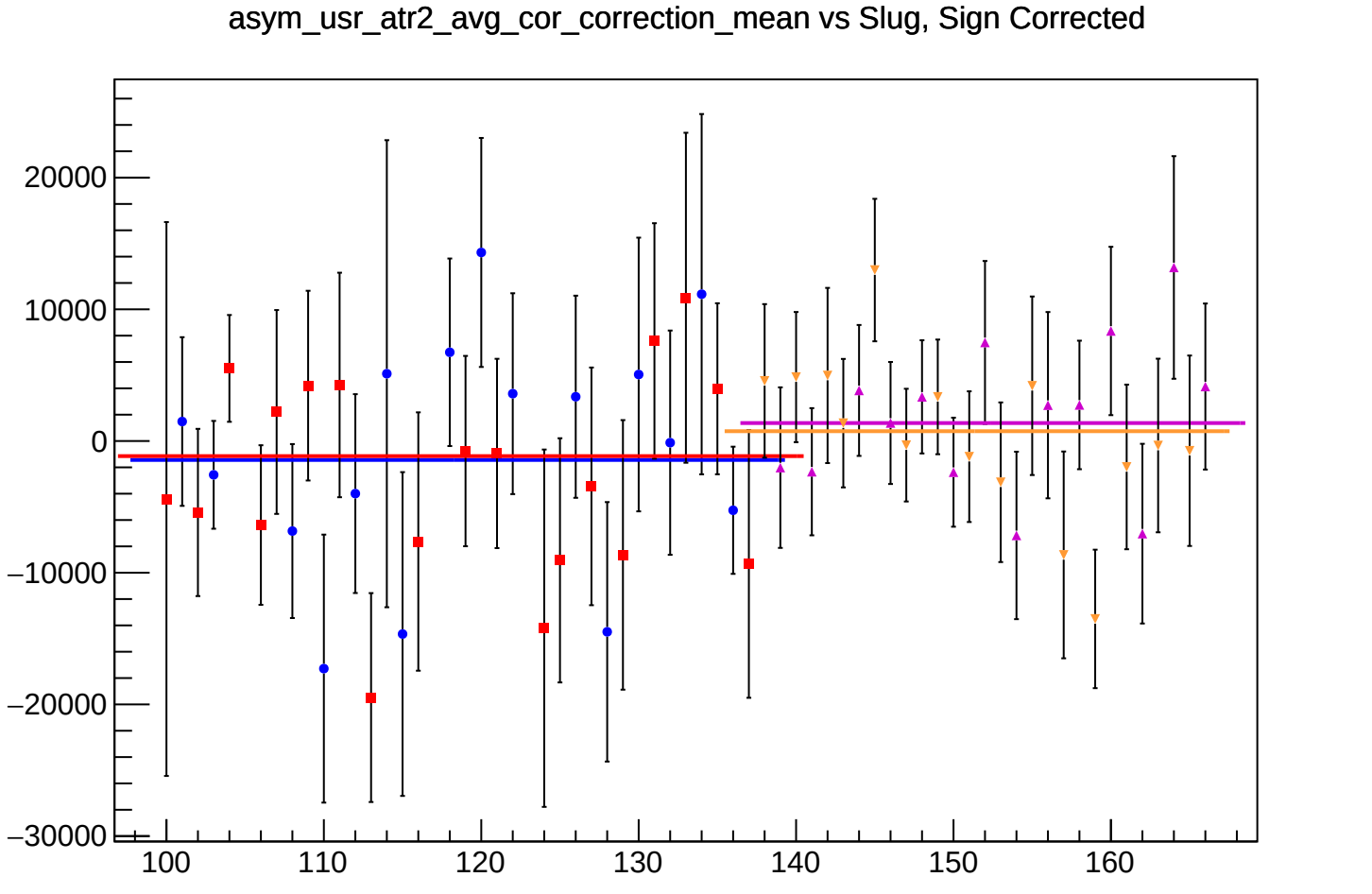
Left: 1548.492+/-0.227 χ^2/NDF: 70699.5/28

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1564.845+/-0.256 χ^2/NDF:357390.5/29

Out: 1561.364+/-0.253 χ^2/NDF:286970.1/33

All: 1563.080+/-0.180 χ^2/NDF: 644454.1/63



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1364.708+/-1462.701 χ^2/NDF:9.9/13

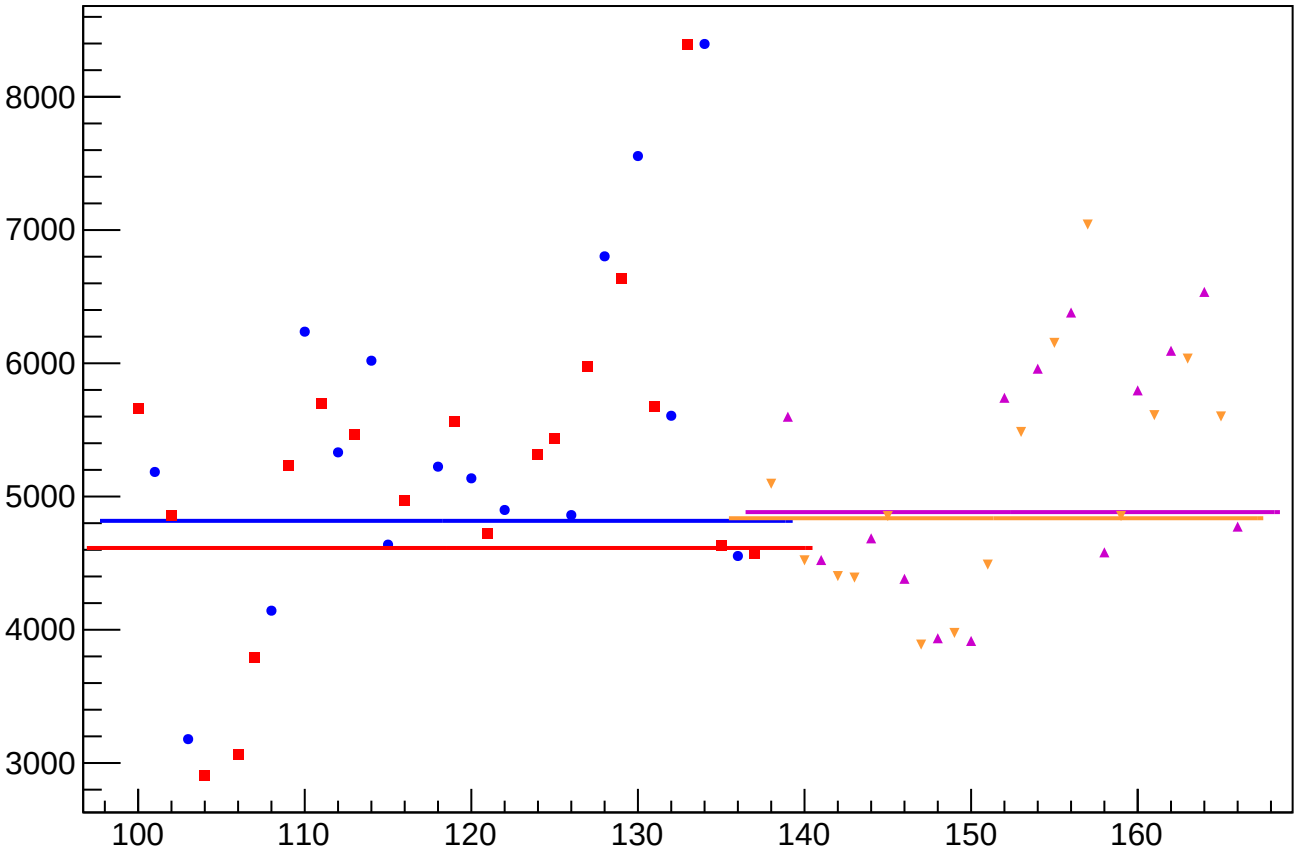
Left: 1048.523+/-1023.978 χ^2/NDF: 27.0/28

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 285.653+/-1146.992 χ^2/NDF:25.2/29

Out: -6.986+/-1113.050 χ^2/NDF:33.9/33

All: 134.940+/-798.775 χ^2/NDF: 59.1/63



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4837.041+/-1.014 χ^2/NDF:598573.9/14

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4883.111+/-1.034 χ^2/NDF:645562.9/13

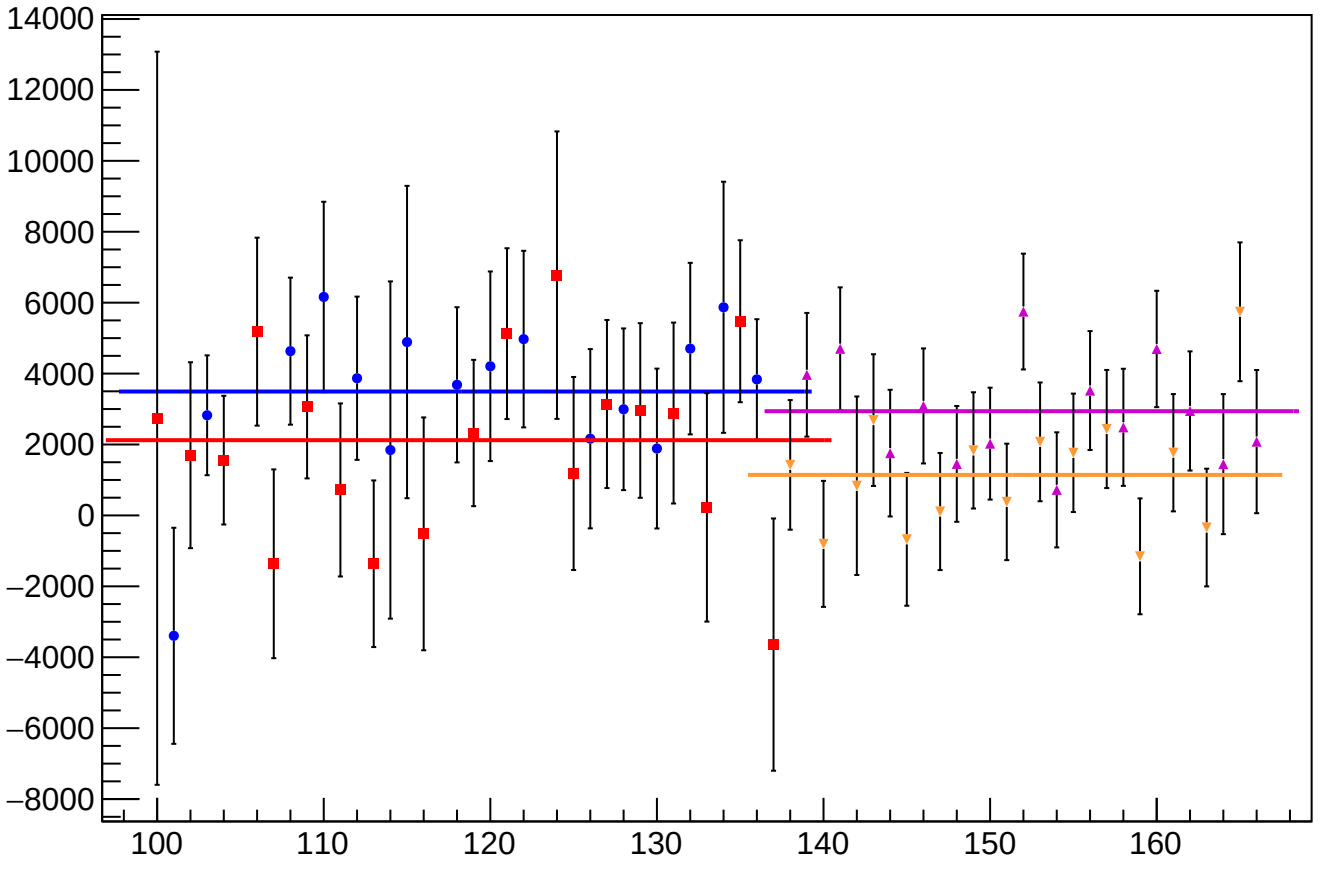
Left: 4859.619+/-0.724 χ^2/NDF: 1245148.5/28

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4857.837+/-0.811 χ^2/NDF:1442346.8/29

Out: 4748.320+/-0.787 χ^2/NDF:1595791.8/33

All: 4801.434+/-0.565 χ^2/NDF: 3047529.2/63



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2938.995+/-454.712 χ^2/NDF:9.9/13

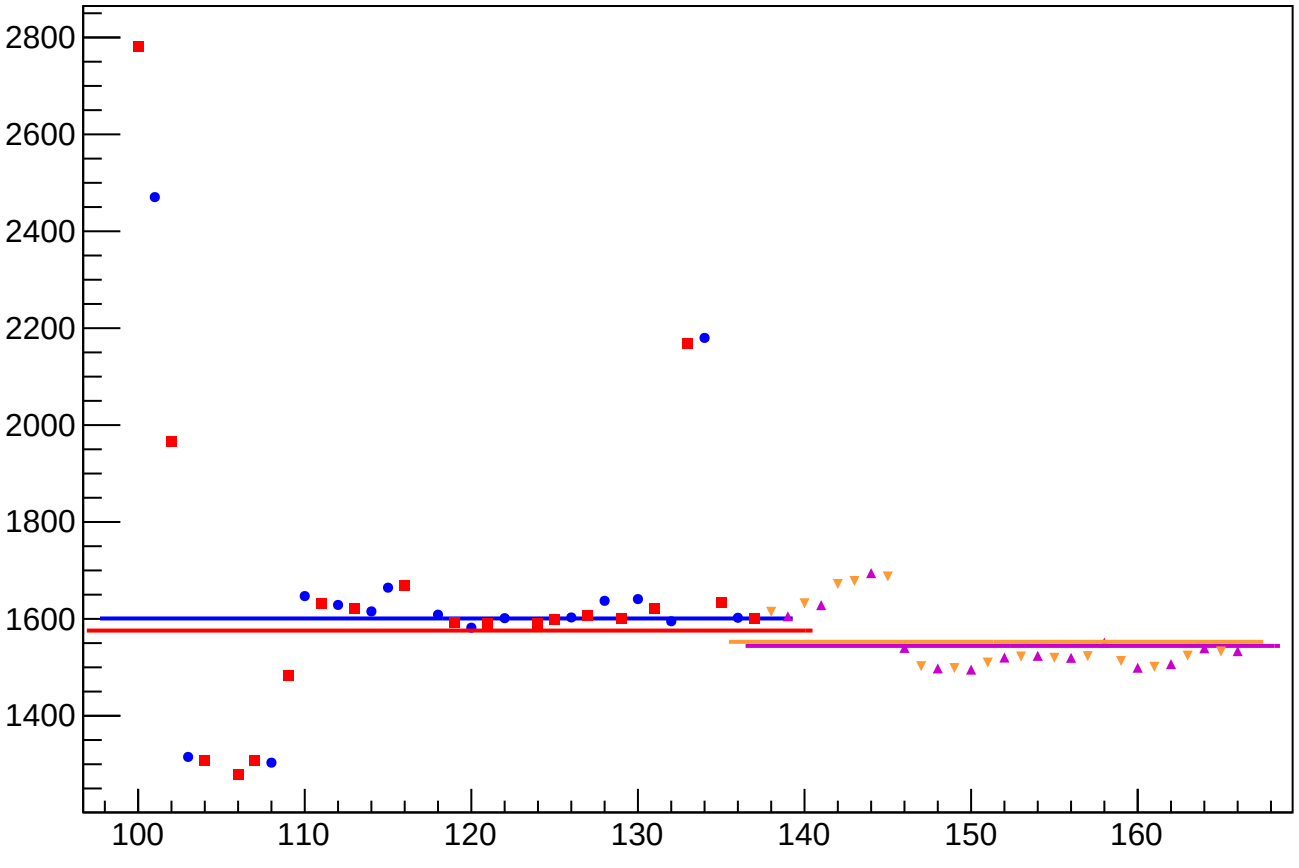
Left: 2035.030+/-320.521 χ^2/NDF: 30.9/28

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3140.978+/-362.660 χ^2/NDF:19.3/29

Out: 1506.263+/-358.206 χ^2/NDF:30.0/33

All: 2313.522+/-254.850 χ^2/NDF: 59.5/63



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.230+/-0.322 χ^2/NDF:28681.1/13

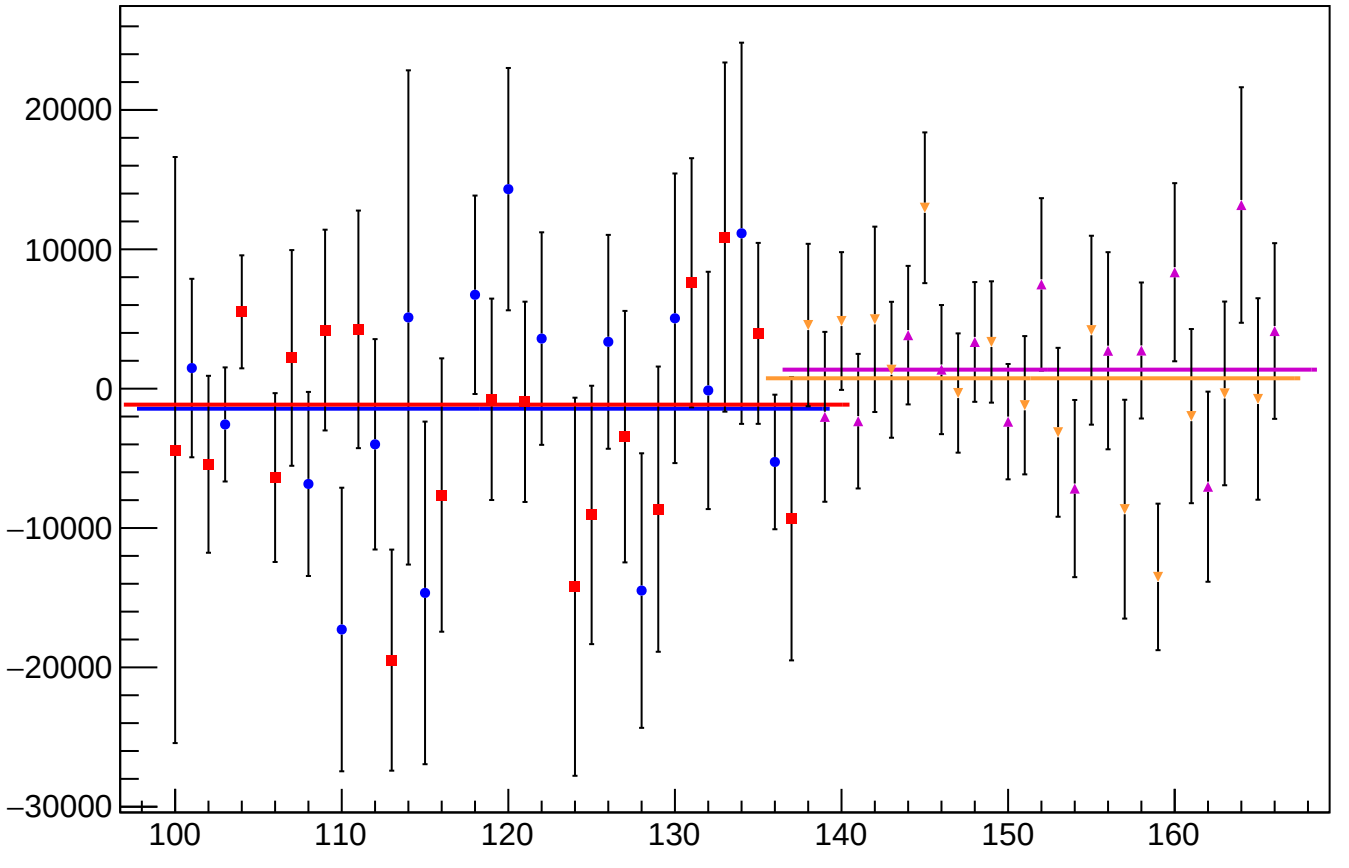
Left: 1548.492+/-0.227 χ^2/NDF: 70699.5/28

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1564.845+/-0.256 χ^2/NDF:357390.5/29

Out: 1561.364+/-0.253 χ^2/NDF:286970.1/33

All: 1563.080+/-0.180 χ^2/NDF: 644454.1/63



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1364.708+/-1462.701 χ^2/NDF:9.9/13

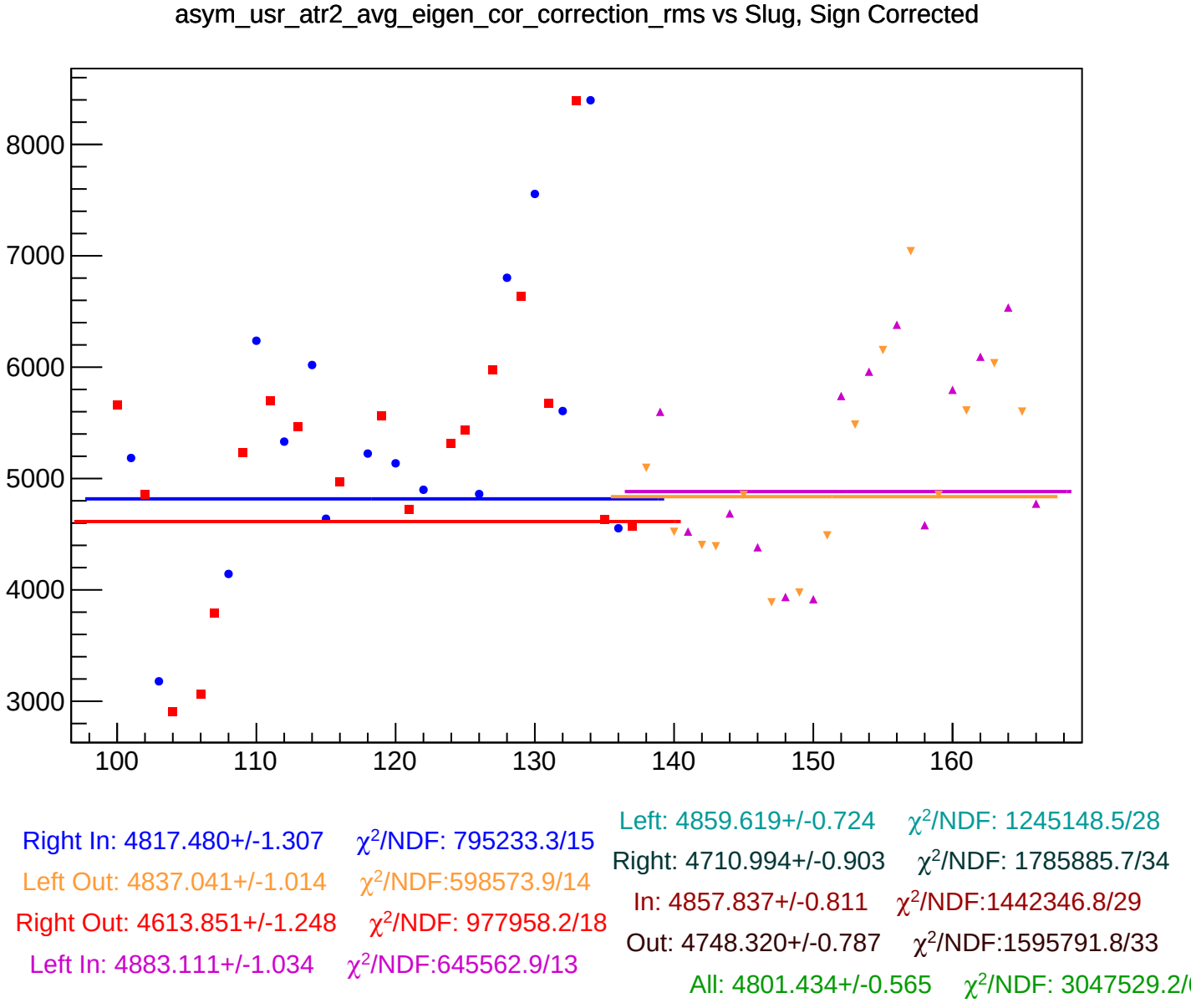
Left: 1048.523+/-1023.978 χ^2/NDF: 27.0/28

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 285.653+/-1146.992 χ^2/NDF:25.2/29

Out: -6.986+/-1113.050 χ^2/NDF:33.9/33

All: 134.940+/-798.775 χ^2/NDF: 59.1/63


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
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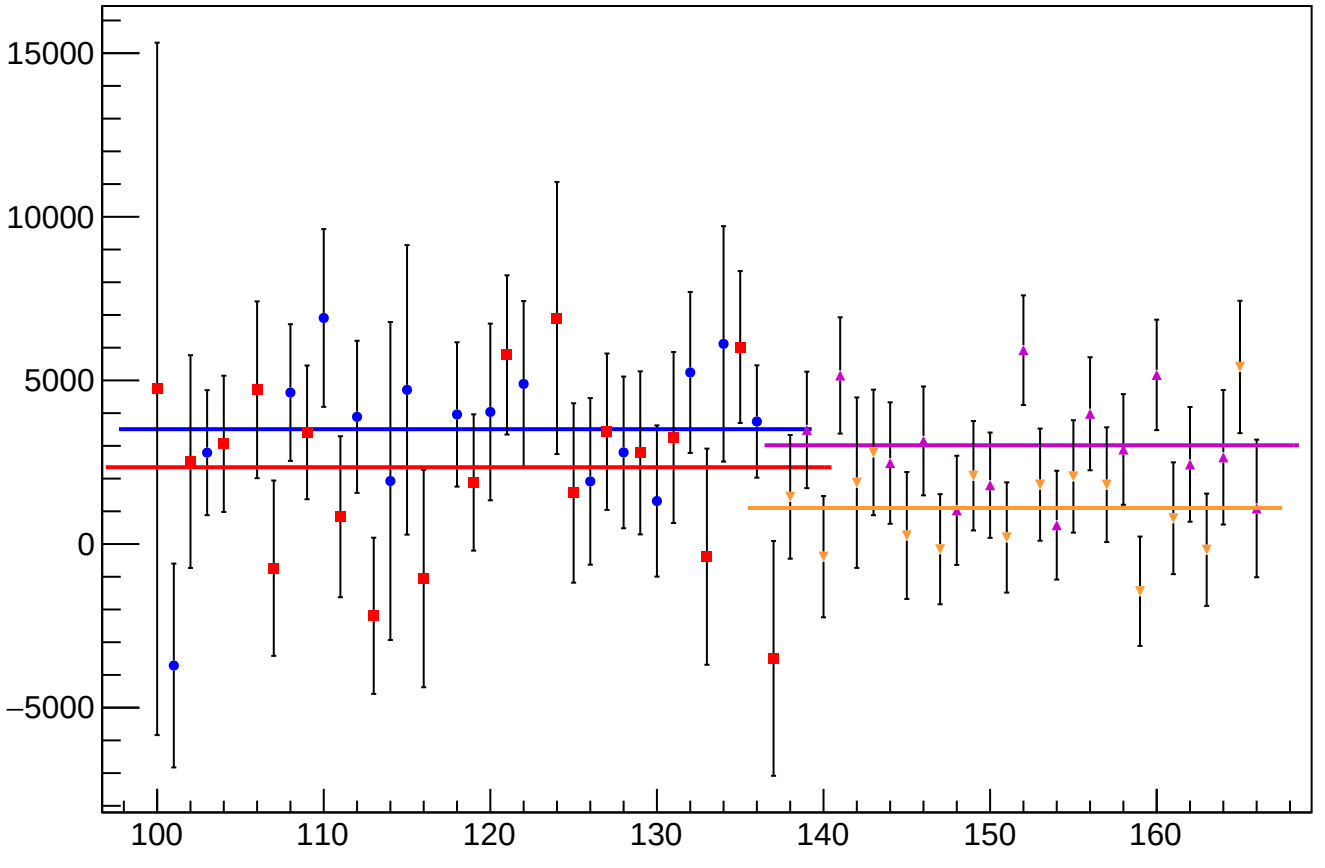
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4837.041+/-1.014 χ²/NDF:598573.9/14
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4883.111+/-1.034 χ²/NDF:645562.9/13
Left: 4859.619+/-0.724 χ²/NDF: 1245148.5/28
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4857.837+/-0.811 χ²/NDF:1442346.8/29
Out: 4748.320+/-0.787 χ²/NDF:1595791.8/33
All: 4801.434+/-0.565 χ²/NDF: 3047529.2/63



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.093+/-465.798 χ^2/NDF:11.0/14

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3018.409+/-467.682 χ^2/NDF:11.7/13

Left: 2056.887+/-330.033 χ^2/NDF: 31.1/28

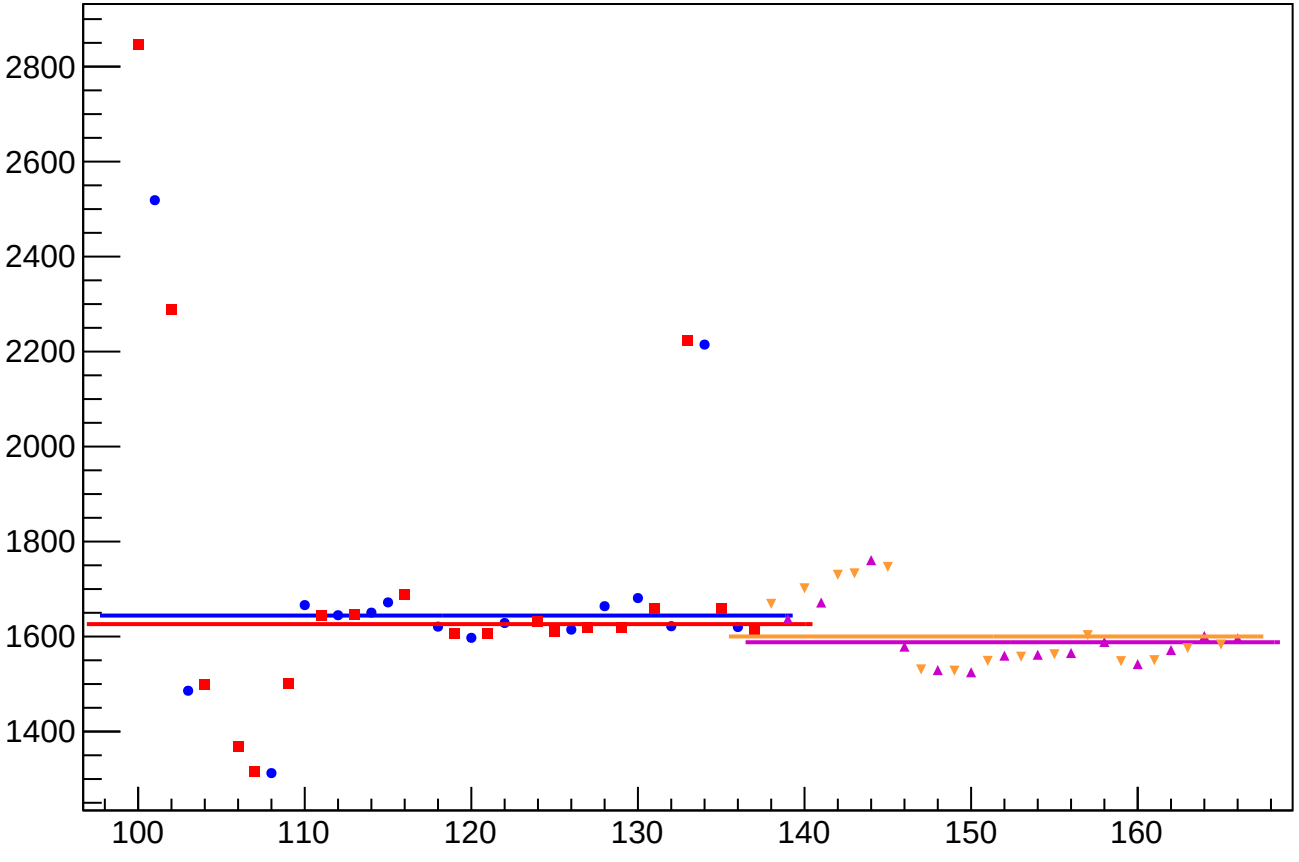
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3197.712+/-372.650 χ^2/NDF:22.5/29

Out: 1563.580+/-369.647 χ^2/NDF:30.8/33

All: 2374.035+/-262.435 χ^2/NDF: 62.9/63

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1600.152+/-0.329 χ^2/NDF:49944.8/14

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1588.025+/-0.331 χ^2/NDF:32115.3/13

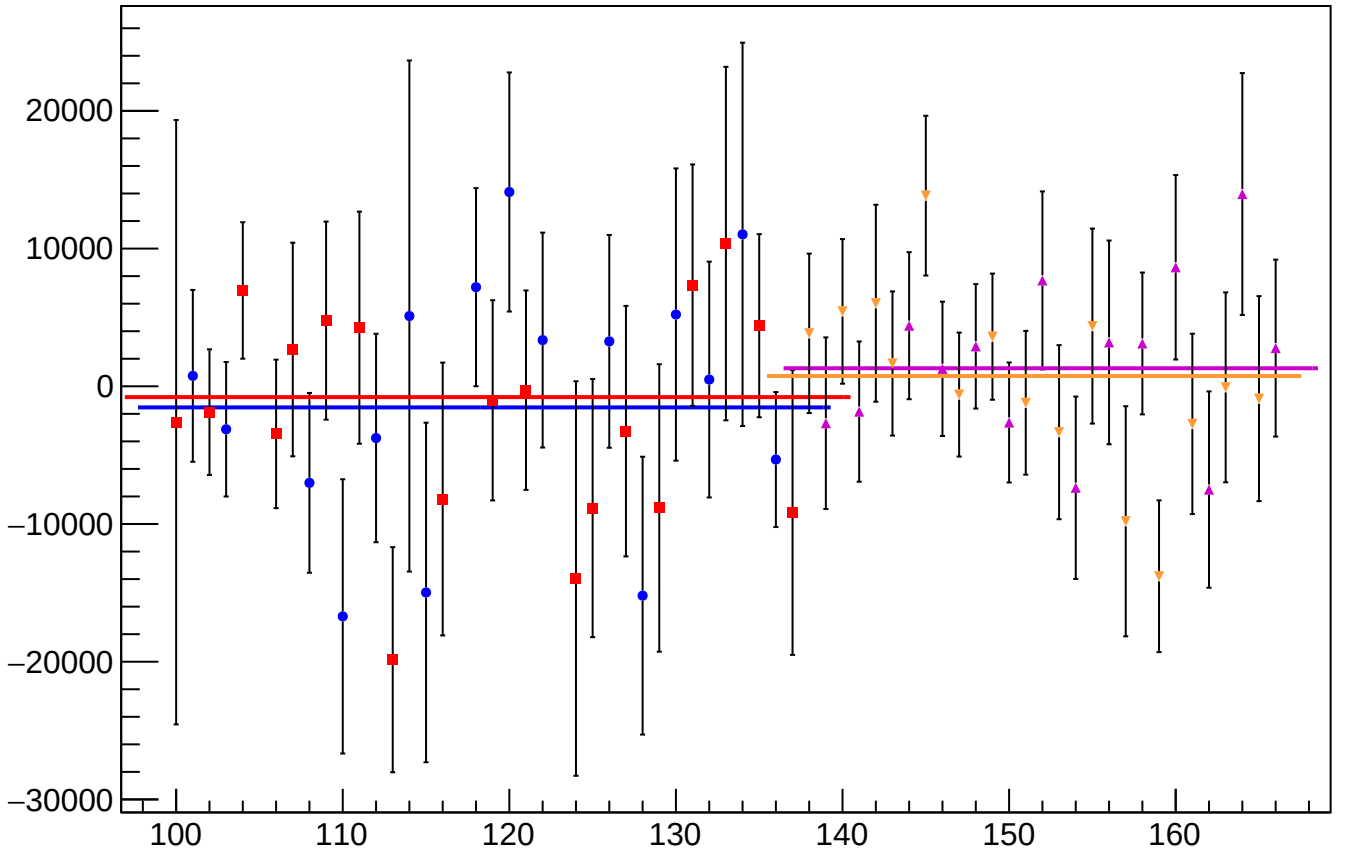
Left: 1594.113+/-0.233 χ^2/NDF: 82735.3/28

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1608.534+/-0.264 χ^2/NDF:317467.7/29

Out: 1609.797+/-0.261 χ^2/NDF:289897.5/33

All: 1609.171+/-0.186 χ^2/NDF: 607376.8/63



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 745.193+/-1507.094 χ^2/NDF:17.0/14

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1310.191+/-1533.912 χ^2/NDF:9.8/13

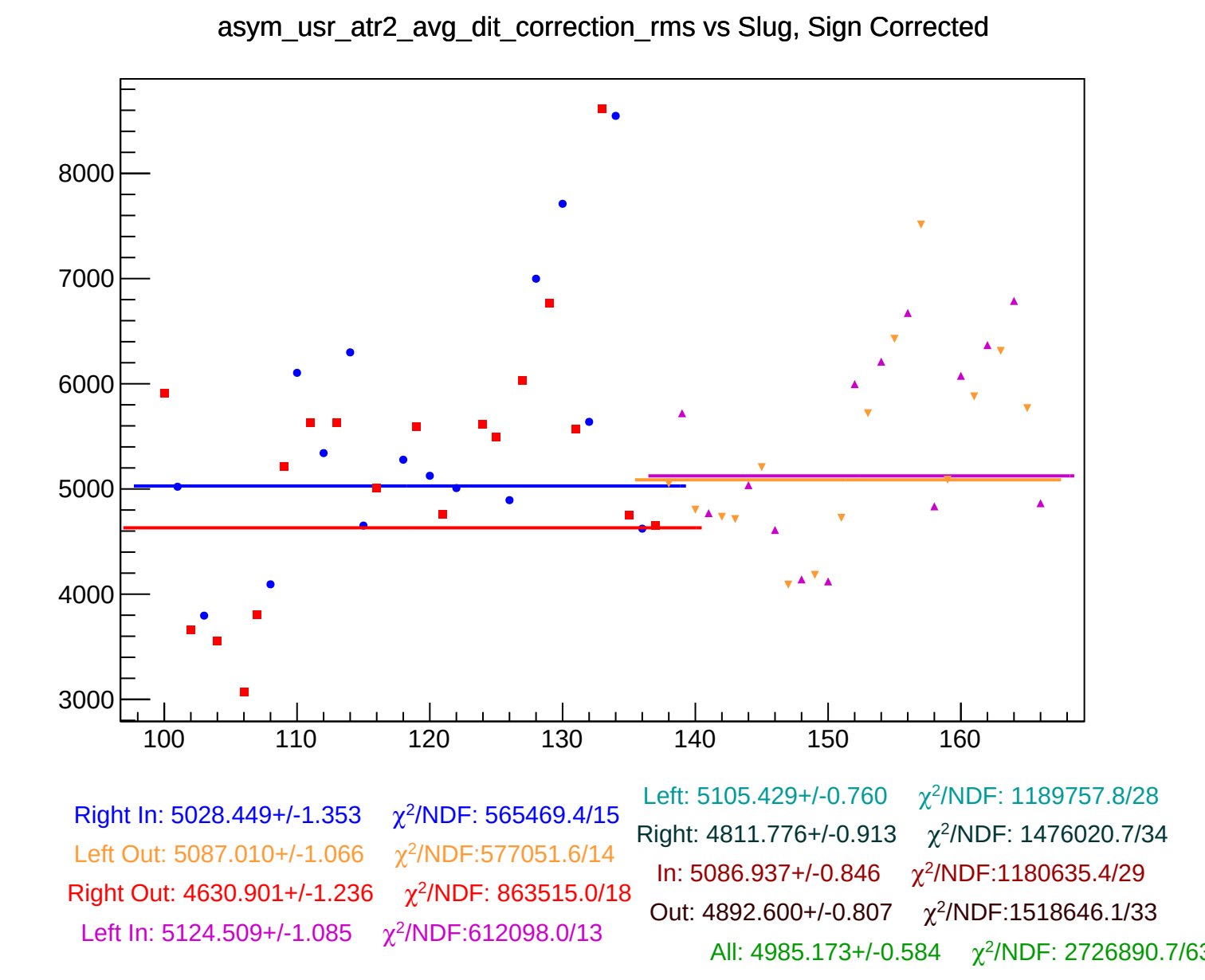
Left: 1022.710+/-1075.033 χ^2/NDF: 26.8/28

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 198.463+/-1196.907 χ^2/NDF:25.0/29

Out: 93.296+/-1141.582 χ^2/NDF:32.4/33

All: 143.393+/-826.087 χ^2/NDF: 57.5/63


asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected
8000
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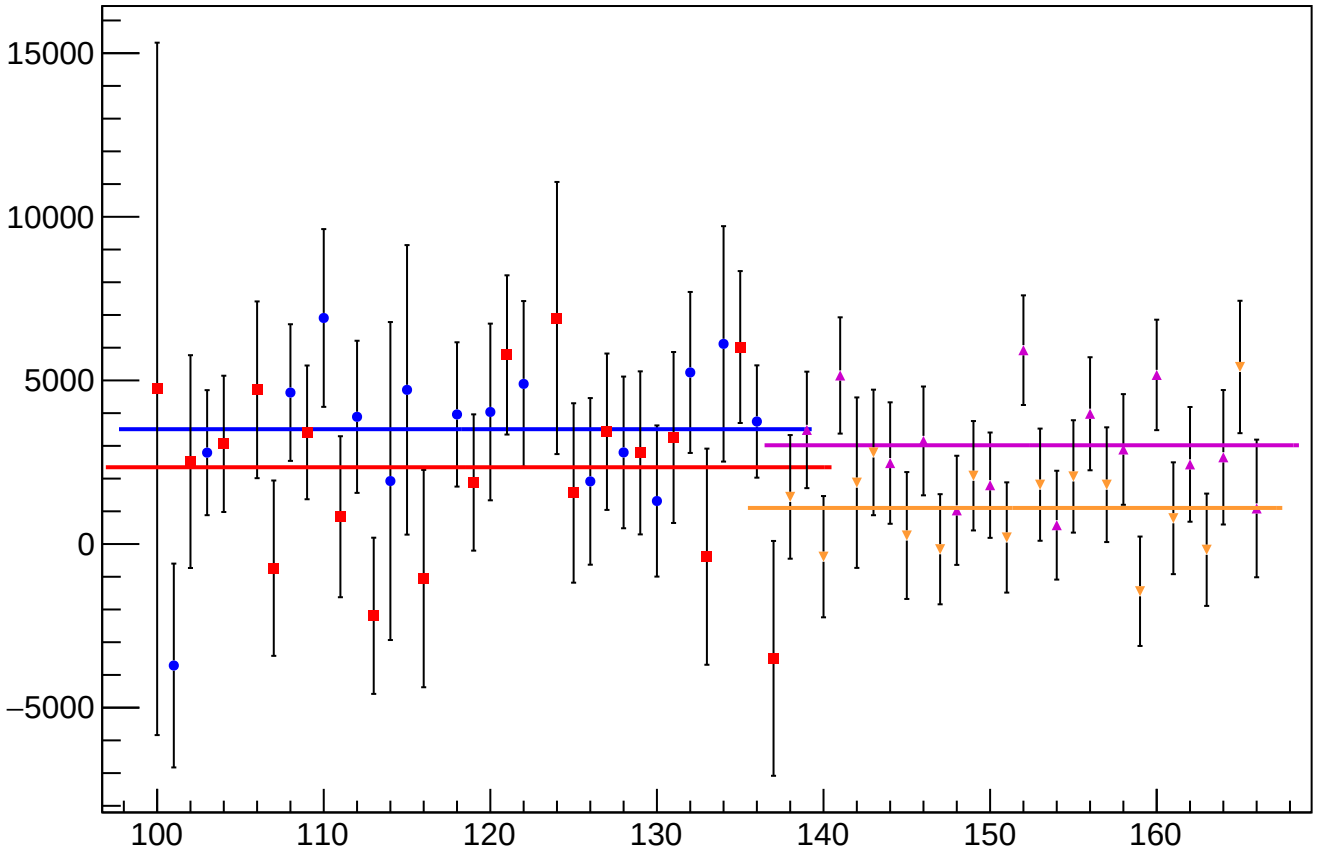
Right In: 5028.449+/-1.353 χ²/NDF: 565469.4/15
Left Out: 5087.010+/-1.066 χ²/NDF:577051.6/14
Right Out: 4630.901+/-1.236 χ²/NDF: 863515.0/18
Left In: 5124.509+/-1.085 χ²/NDF:612098.0/13
Left: 5105.429+/-0.760 χ²/NDF: 1189757.8/28
Right: 4811.776+/-0.913 χ²/NDF: 1476020.7/34
In: 5086.937+/-0.846 χ²/NDF:1180635.4/29
Out: 4892.600+/-0.807 χ²/NDF:1518646.1/33
All: 4985.173+/-0.584 χ²/NDF: 2726890.7/63



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.081+/-465.799 χ^2/NDF:11.0/14

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3018.413+/-467.682 χ^2/NDF:11.7/13

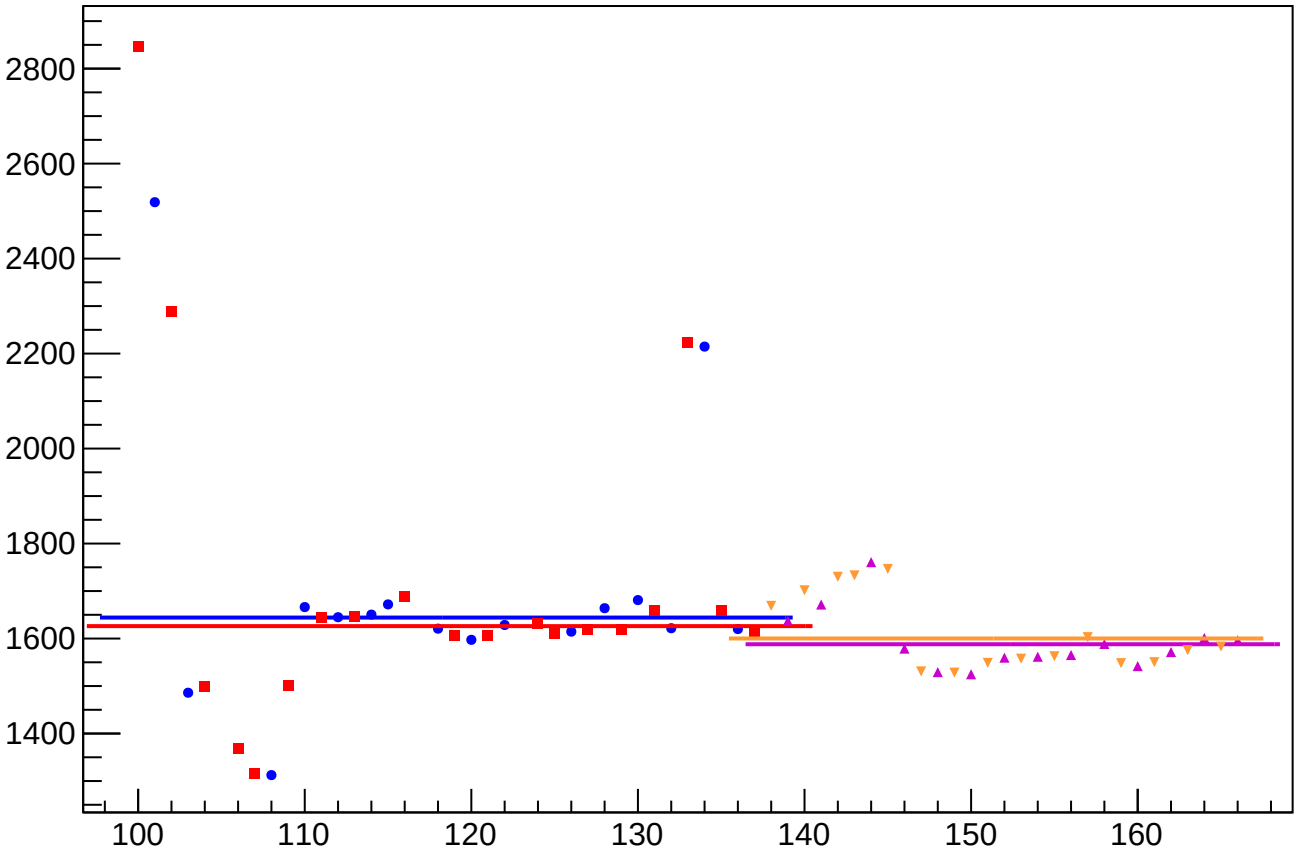
Left: 2056.883+/-330.033 χ^2/NDF: 31.1/28

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3197.715+/-372.650 χ^2/NDF:22.5/29

Out: 1563.575+/-369.647 χ^2/NDF:30.8/33

All: 2374.035+/-262.435 χ^2/NDF: 62.9/63



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1600.154+/-0.329 χ^2/NDF:49944.7/14

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1588.026+/-0.331 χ^2/NDF:32115.2/13

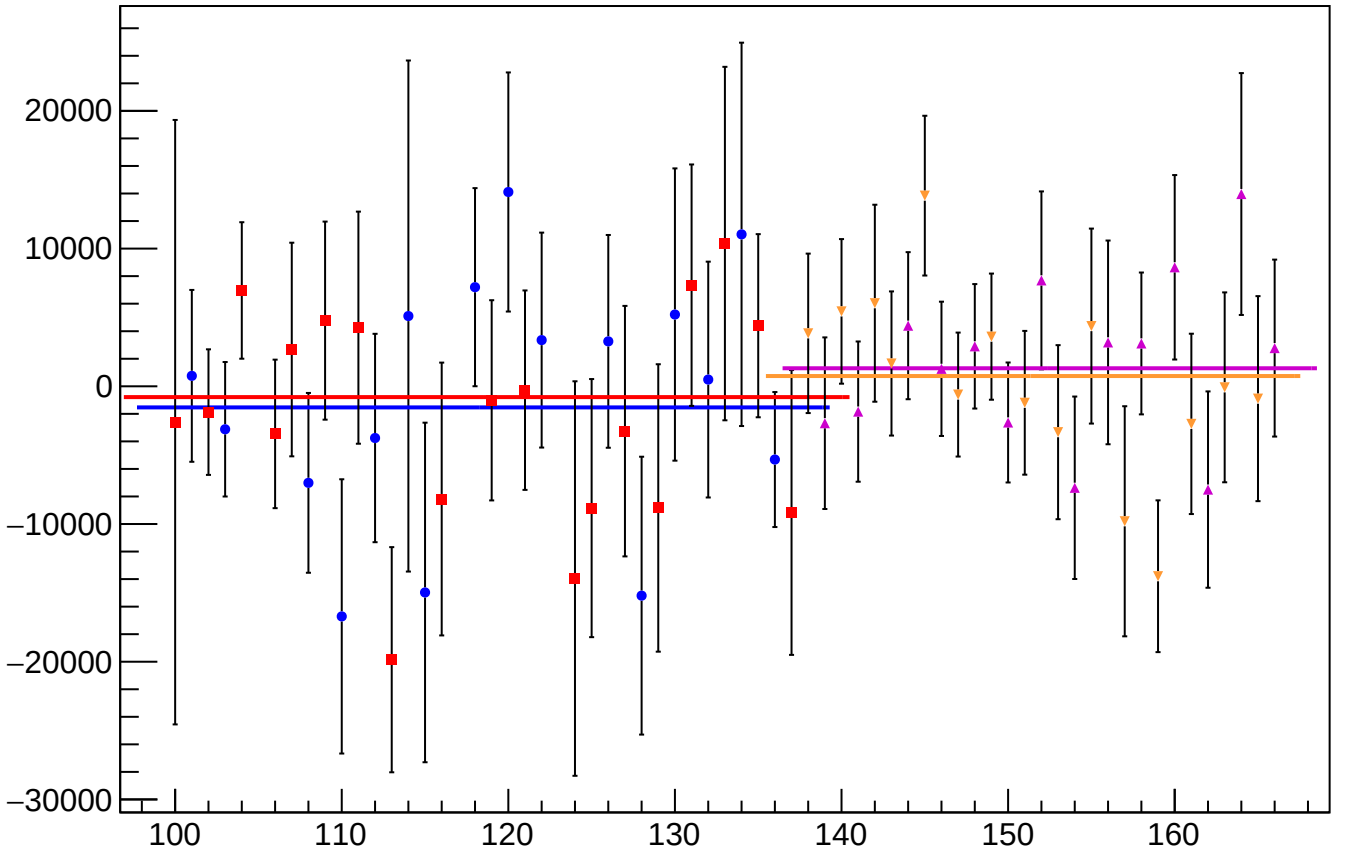
Left: 1594.114+/-0.233 χ^2/NDF: 82735.1/28

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1608.535+/-0.264 χ^2/NDF:317467.0/29

Out: 1609.798+/-0.261 χ^2/NDF:289896.7/33

All: 1609.172+/-0.186 χ^2/NDF: 607375.3/63



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 745.188+/-1507.097 χ^2/NDF:17.0/14

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1310.190+/-1533.915 χ^2/NDF:9.8/13

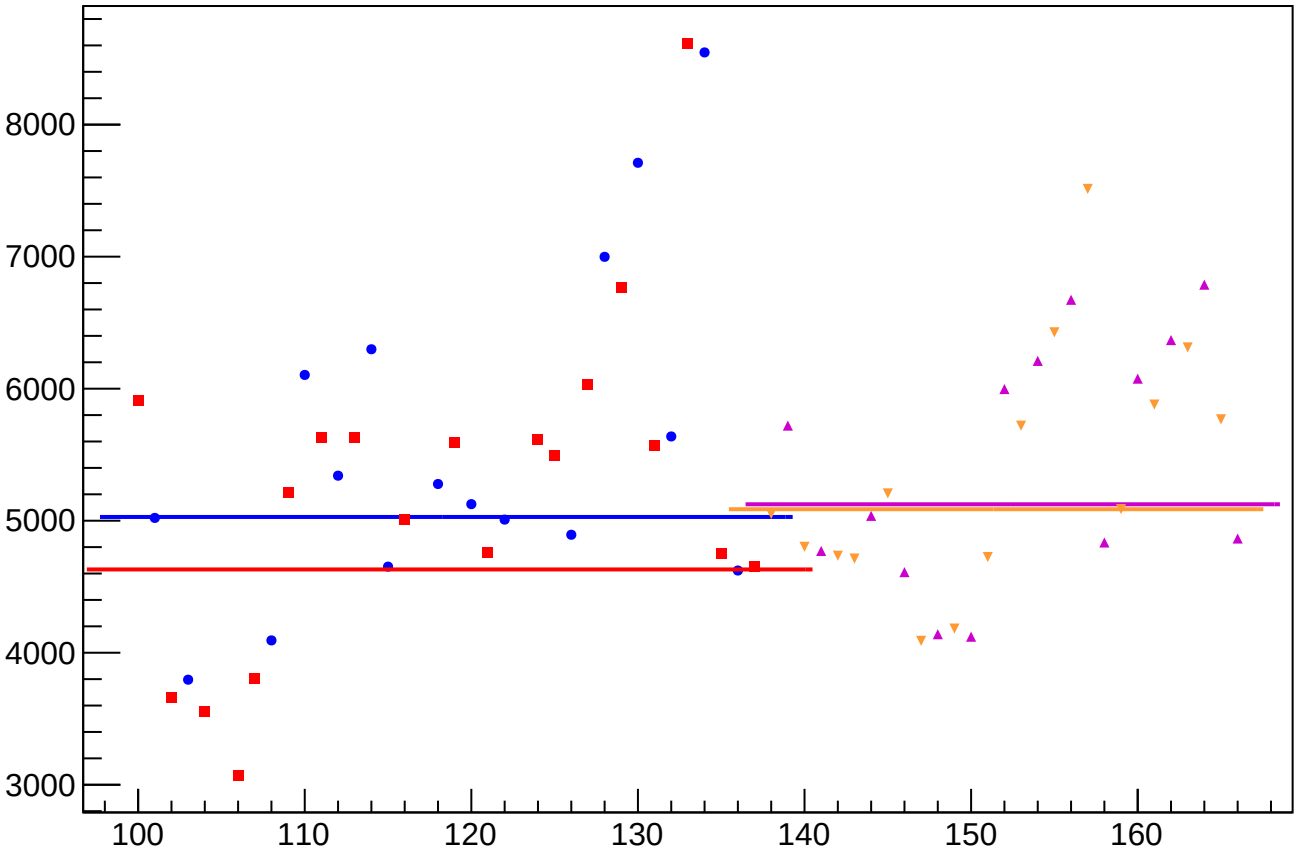
Left: 1022.707+/-1075.035 χ^2/NDF: 26.8/28

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 198.464+/-1196.908 χ^2/NDF:25.0/29

Out: 93.290+/-1141.582 χ^2/NDF:32.4/33

All: 143.390+/-826.087 χ^2/NDF: 57.5/63



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5087.019+/-1.066 χ^2/NDF:577052.8/14

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5124.518+/-1.085 χ^2/NDF:612098.6/13

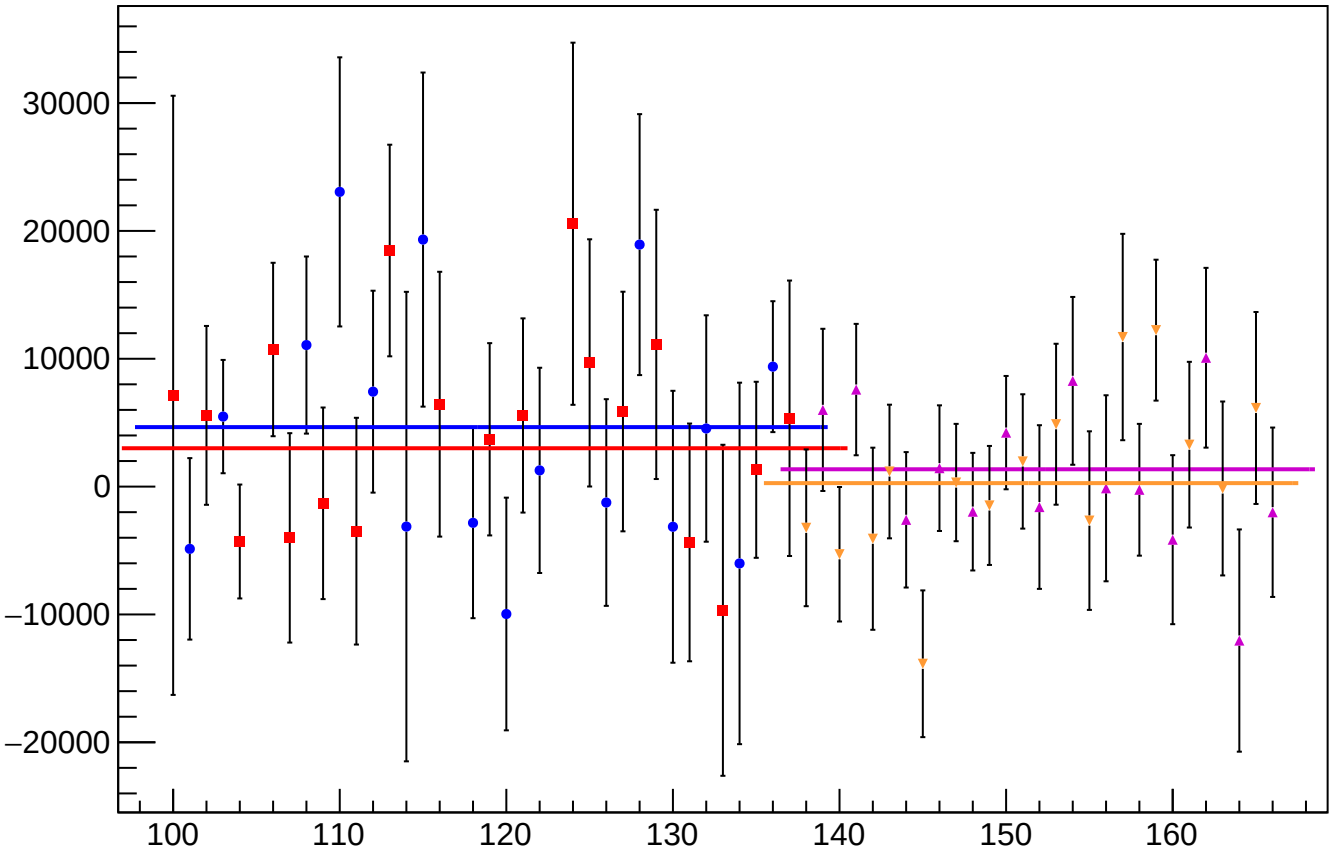
Left: 5105.438+/-0.760 χ^2/NDF: 1189759.6/28

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5086.939+/-0.846 χ^2/NDF:1180630.6/29

Out: 4892.602+/-0.807 χ^2/NDF:1518646.6/33

All: 4985.175+/-0.584 χ^2/NDF: 2726886.7/63



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 272.112+/-1513.675 χ^2/NDF:16.4/14

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1355.499+/-1540.762 χ^2/NDF:9.8/13

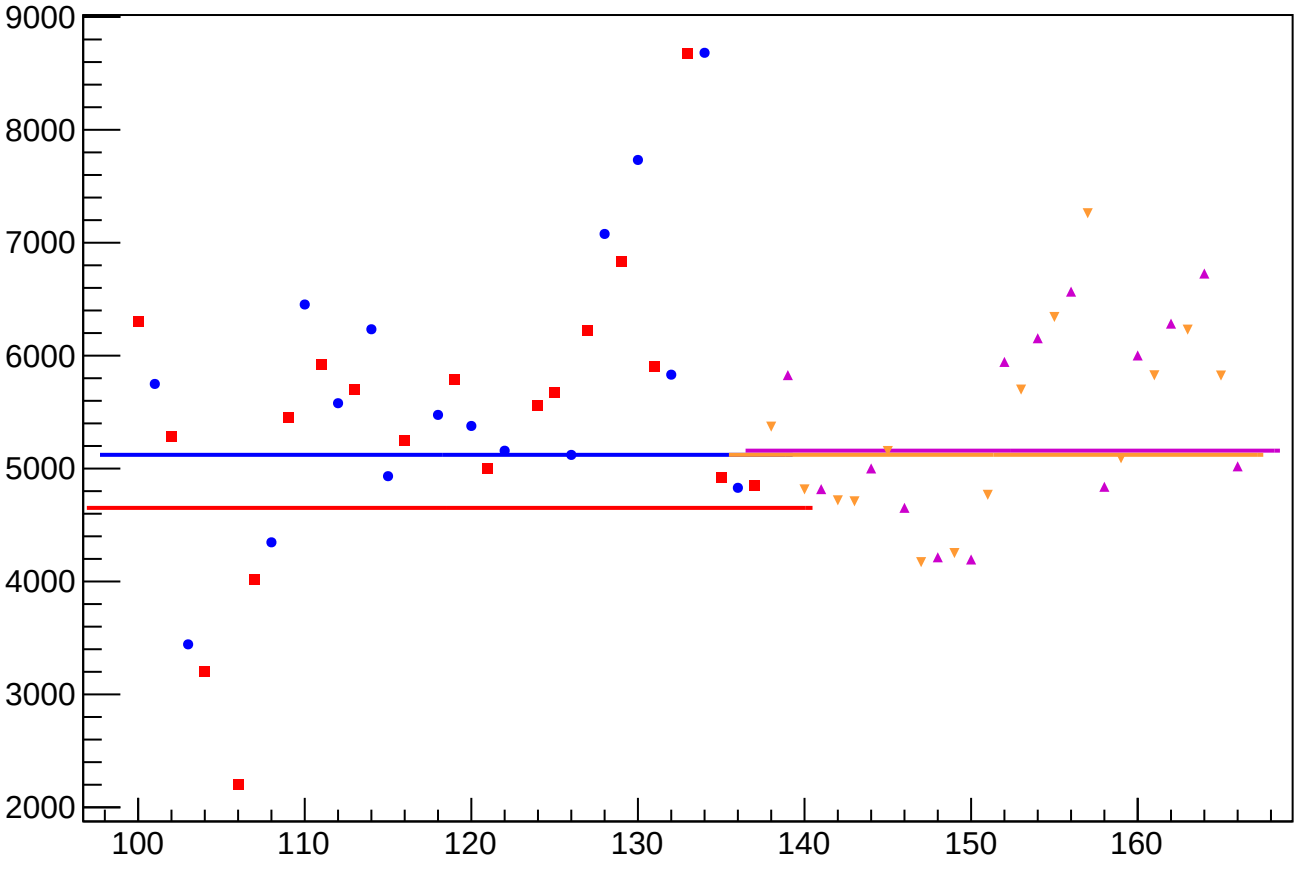
Left: 804.199+/-1079.779 χ^2/NDF: 26.5/28

Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2616.184+/-1210.945 χ^2/NDF:27.1/29

Out: 1343.423+/-1179.711 χ^2/NDF:31.6/33

All: 1963.178+/-845.008 χ^2/NDF: 59.2/63



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5121.785+/-1.070 χ^2/NDF:506484.9/14

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5158.635+/-1.089 χ^2/NDF:541411.3/13

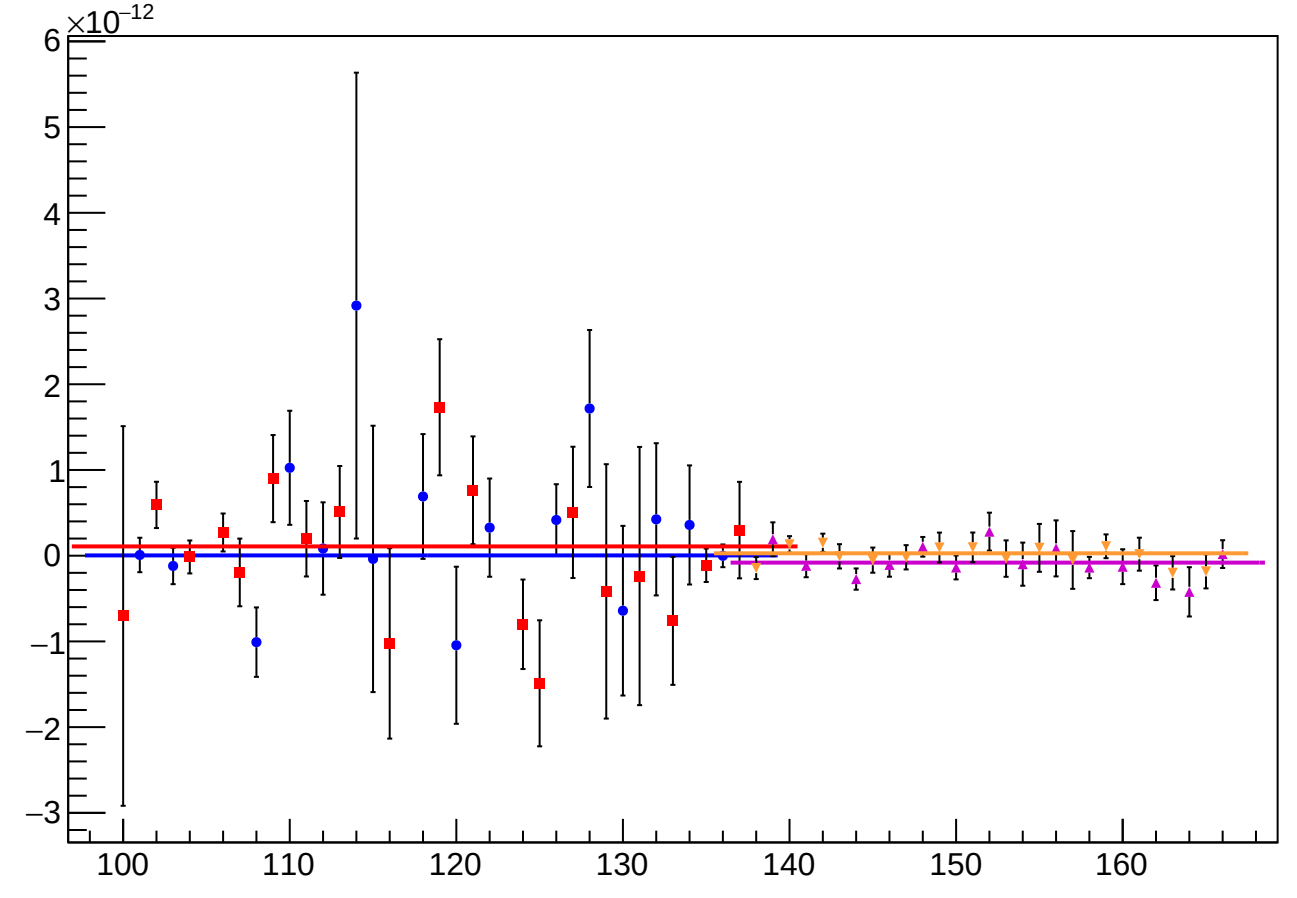
Left: 5139.883+/-0.764 χ^2/NDF: 1048478.4/28

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5144.493+/-0.856 χ^2/NDF:1262222.1/29

Out: 4928.421+/-0.821 χ^2/NDF:1930692.9/33

All: 5031.940+/-0.593 χ^2/NDF: 3226084.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/13

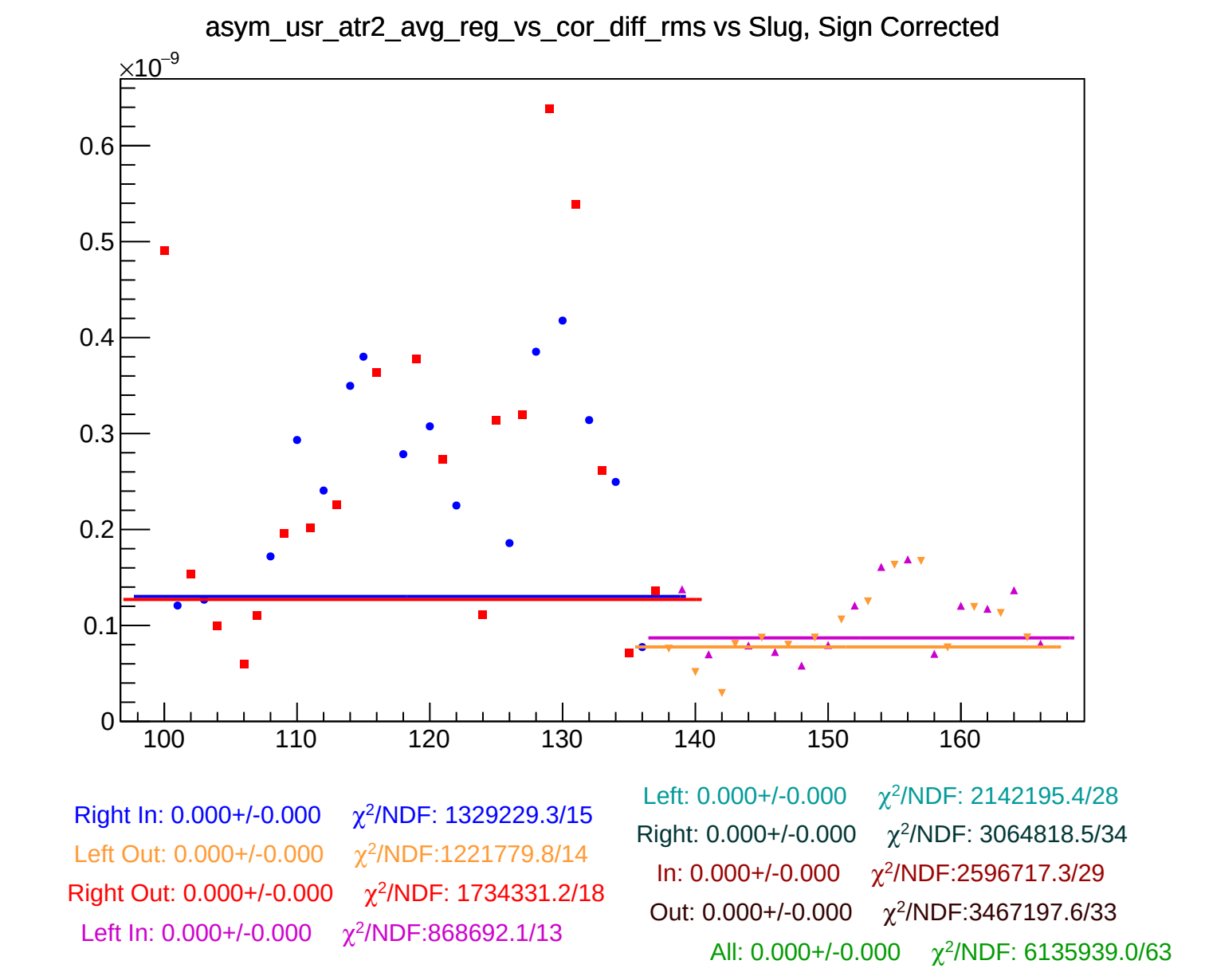
Left: -0.000+/-0.000 χ^2/NDF: 25.1/28

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:32.3/29

Out: 0.000+/-0.000 χ^2/NDF:34.0/33

All: -0.000+/-0.000 χ^2/NDF: 70.2/63


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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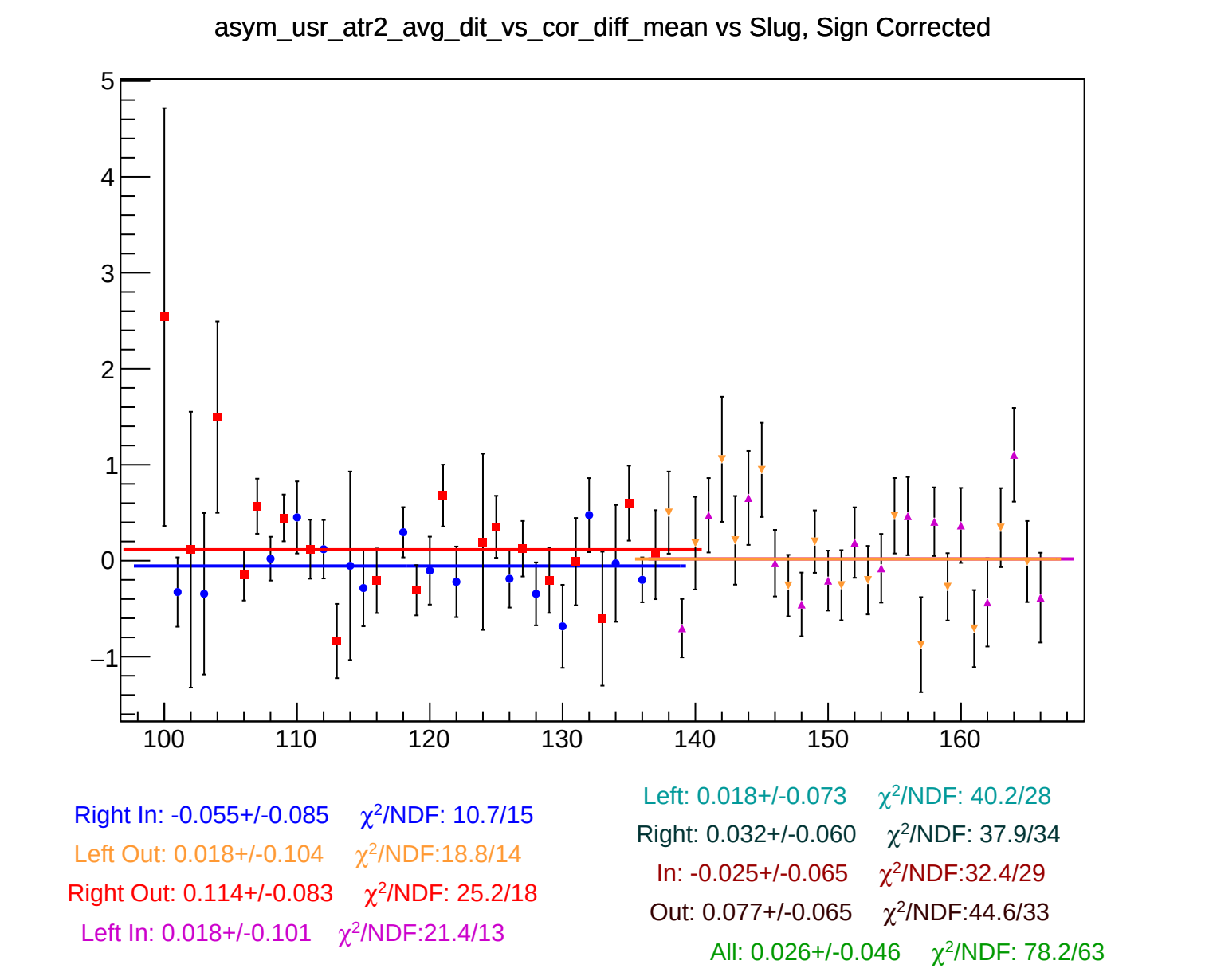
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1221779.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:868692.1/13
Left: 0.000+/-0.000 χ²/NDF: 2142195.4/28
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2596717.3/29
Out: 0.000+/-0.000 χ²/NDF:3467197.6/33
All: 0.000+/-0.000 χ²/NDF: 6135939.0/63


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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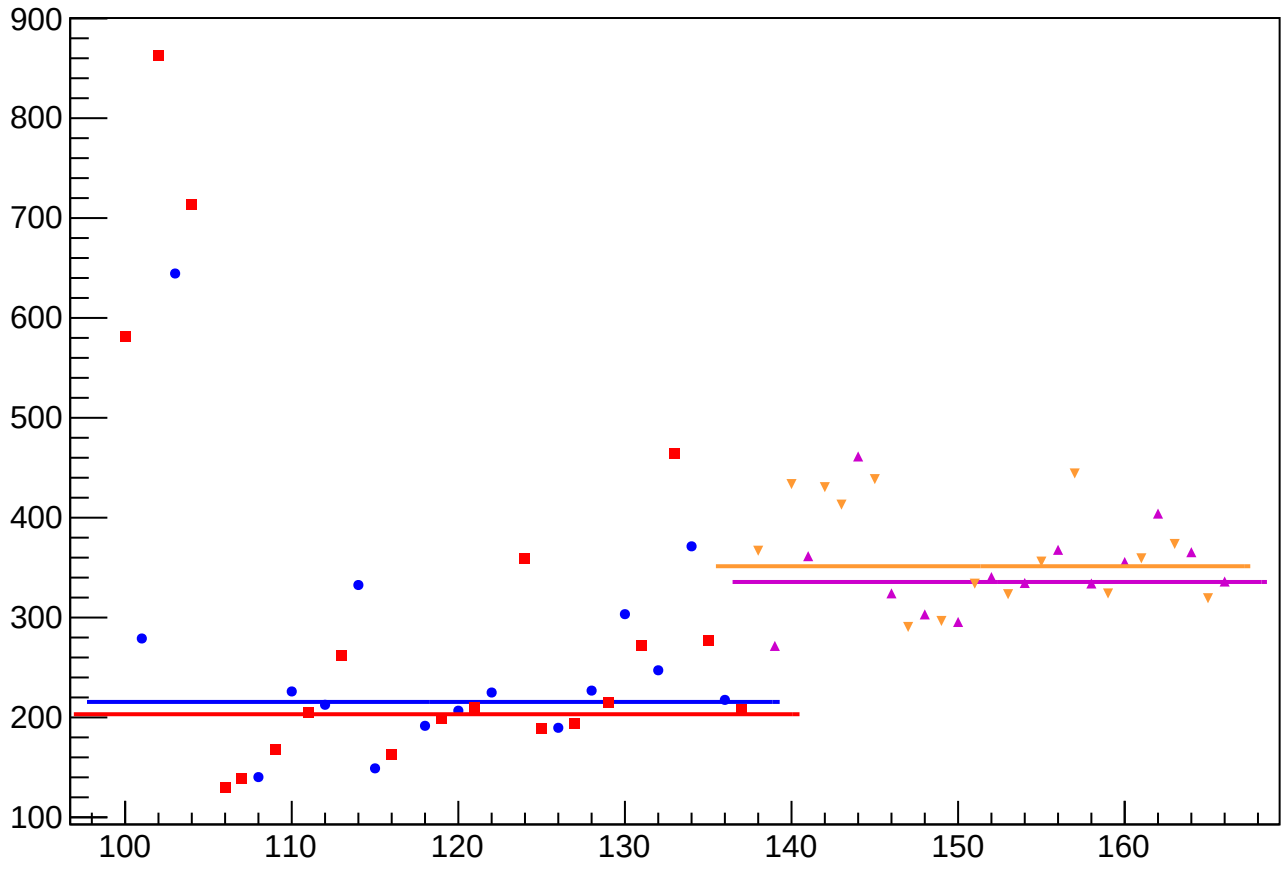
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.018+/-0.073 χ²/NDF: 40.2/28
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.026+/-0.046 χ²/NDF: 78.2/63



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.623+/-0.071 χ^2/NDF:353297.0/13

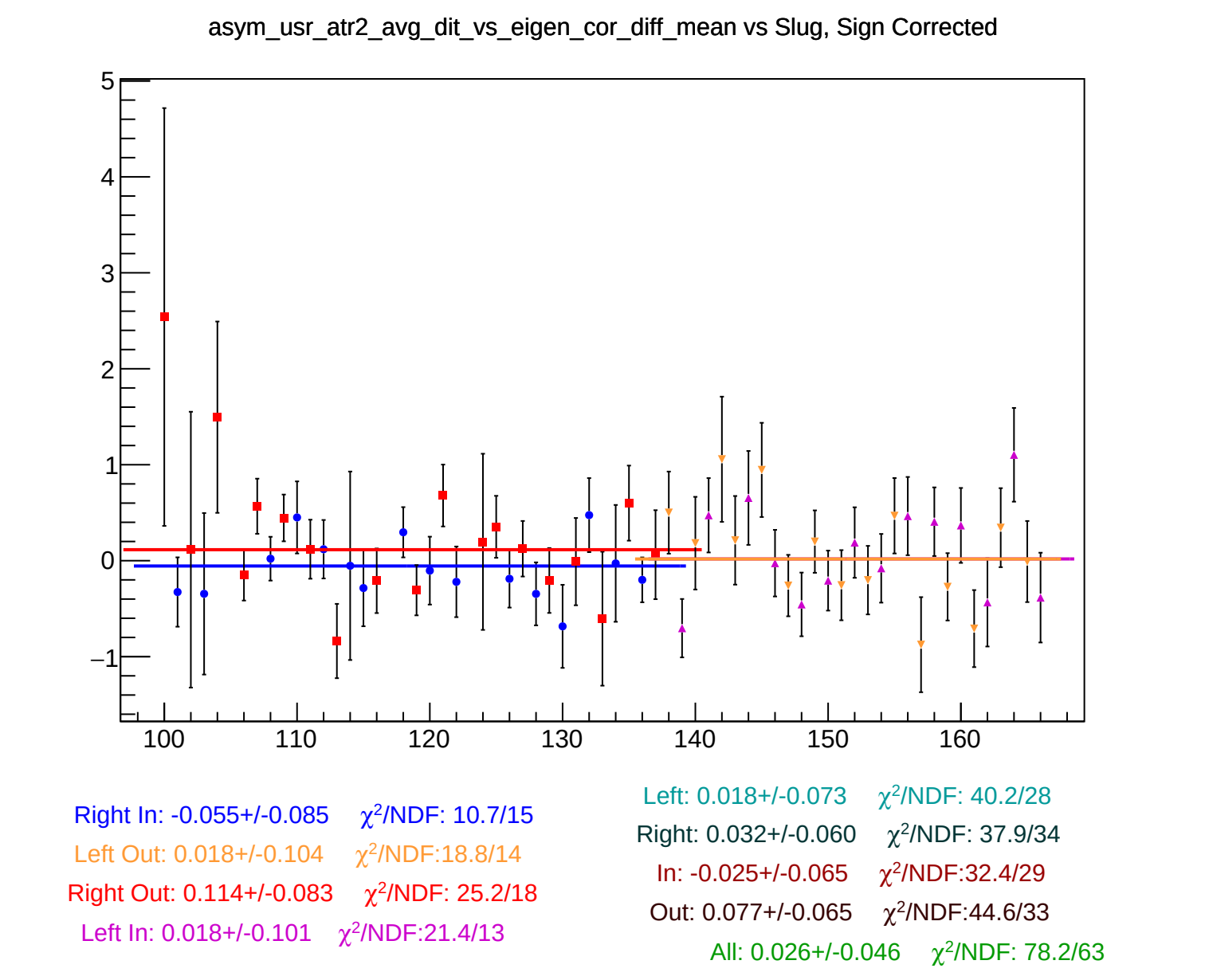
Left: 343.236+/-0.051 χ^2/NDF: 812529.3/28

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.734+/-0.046 χ^2/NDF:3153224.4/29

Out: 260.825+/-0.046 χ^2/NDF:4736985.6/33

All: 263.274+/-0.033 χ^2/NDF: 7895892.5/63


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
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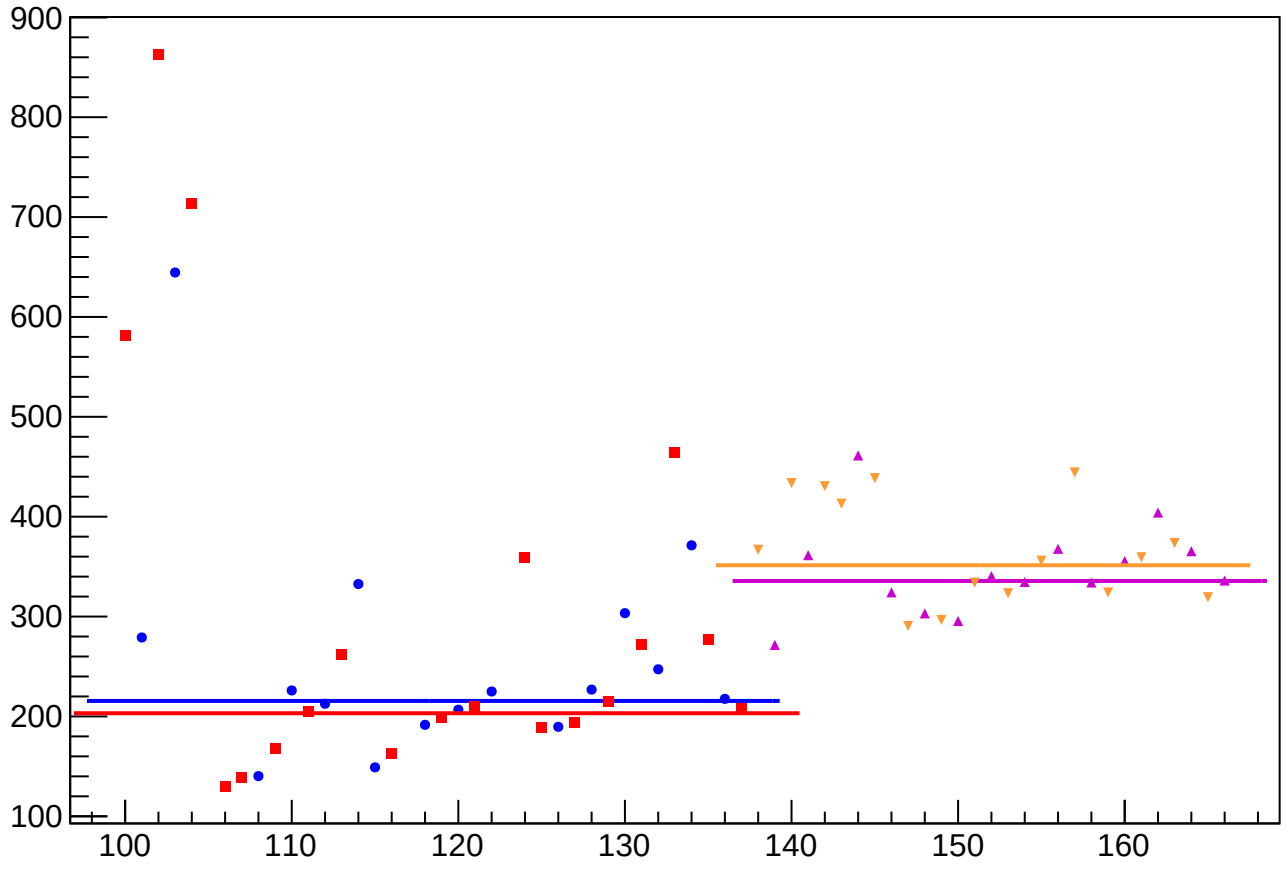
−1
100
110
120
130
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.018+/-0.073 χ²/NDF: 40.2/28
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.026+/-0.046 χ²/NDF: 78.2/63



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.623+/-0.071 χ^2/NDF:353297.0/13

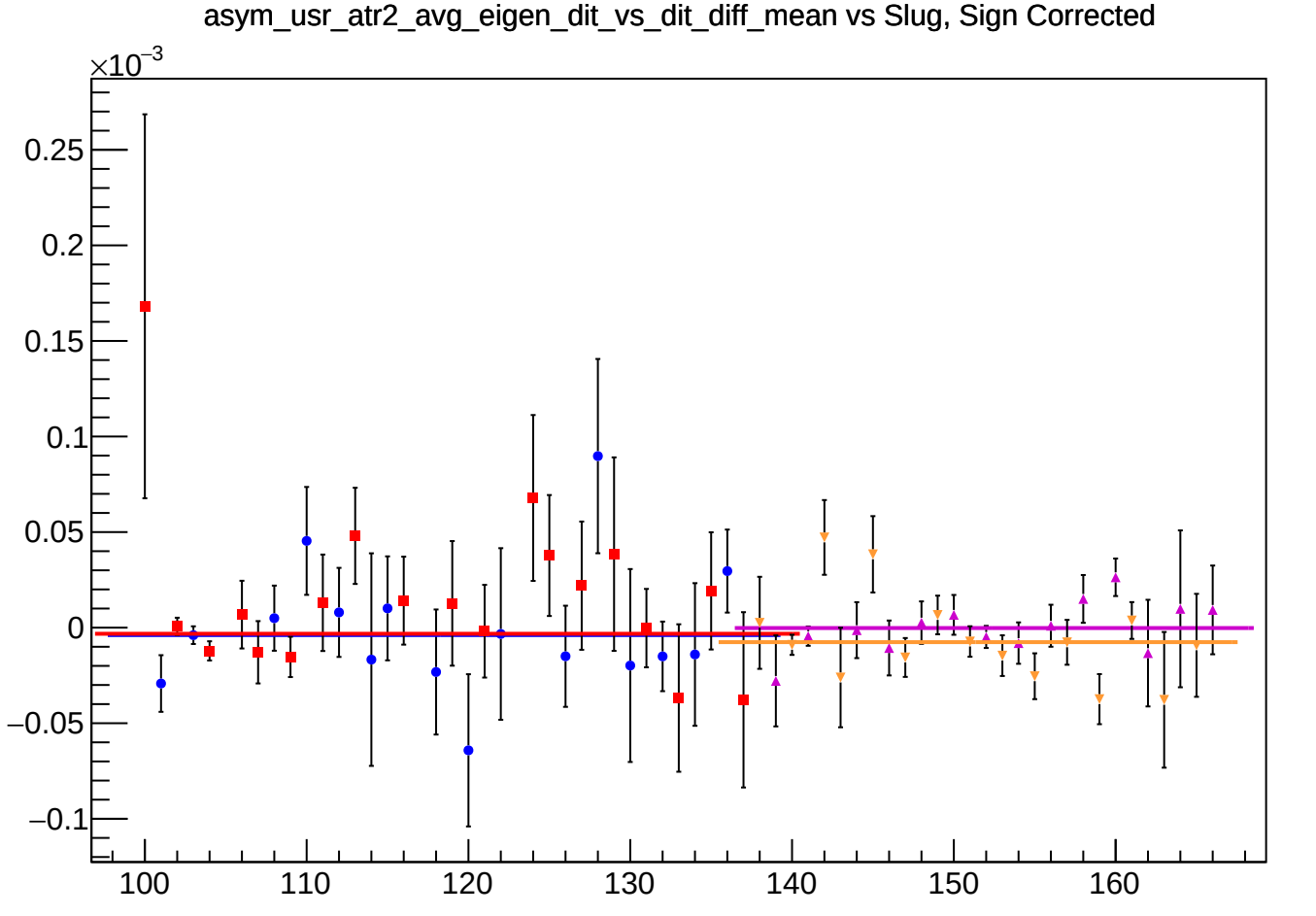
Left: 343.236+/-0.051 χ^2/NDF: 812529.3/28

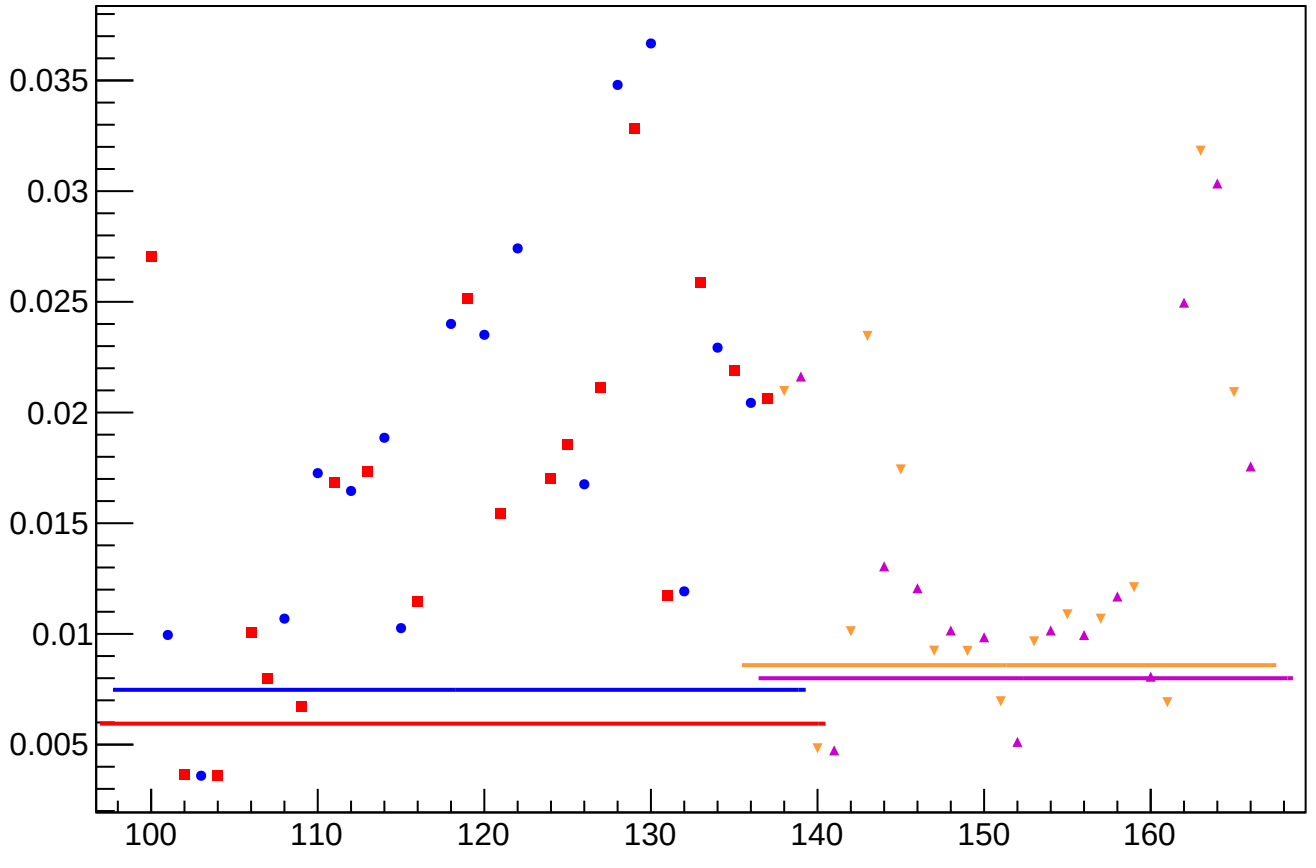
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.734+/-0.046 χ^2/NDF:3153224.4/29

Out: 260.825+/-0.046 χ^2/NDF:4736985.6/33

All: 263.274+/-0.033 χ^2/NDF: 7895892.5/63


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.5/13
Left: -0.000+/-0.000 χ²/NDF: 43.5/28
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:30.1/29
Out: -0.000+/-0.000 χ²/NDF:49.3/33
All: -0.000+/-0.000 χ²/NDF: 81.1/63



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4340315.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4509321.5/13

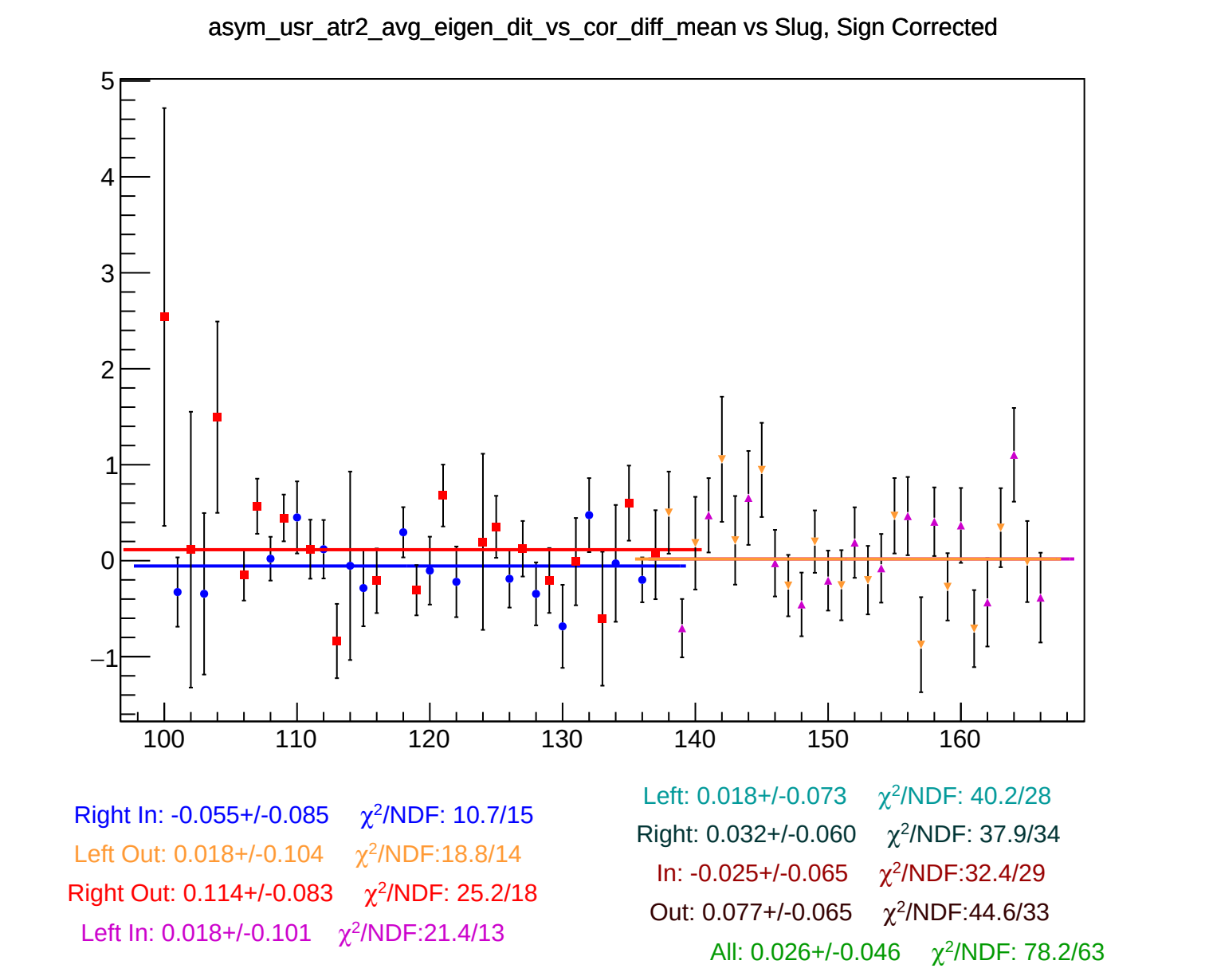
Left: 0.008+/-0.000 χ^2/NDF: 8894004.3/28

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

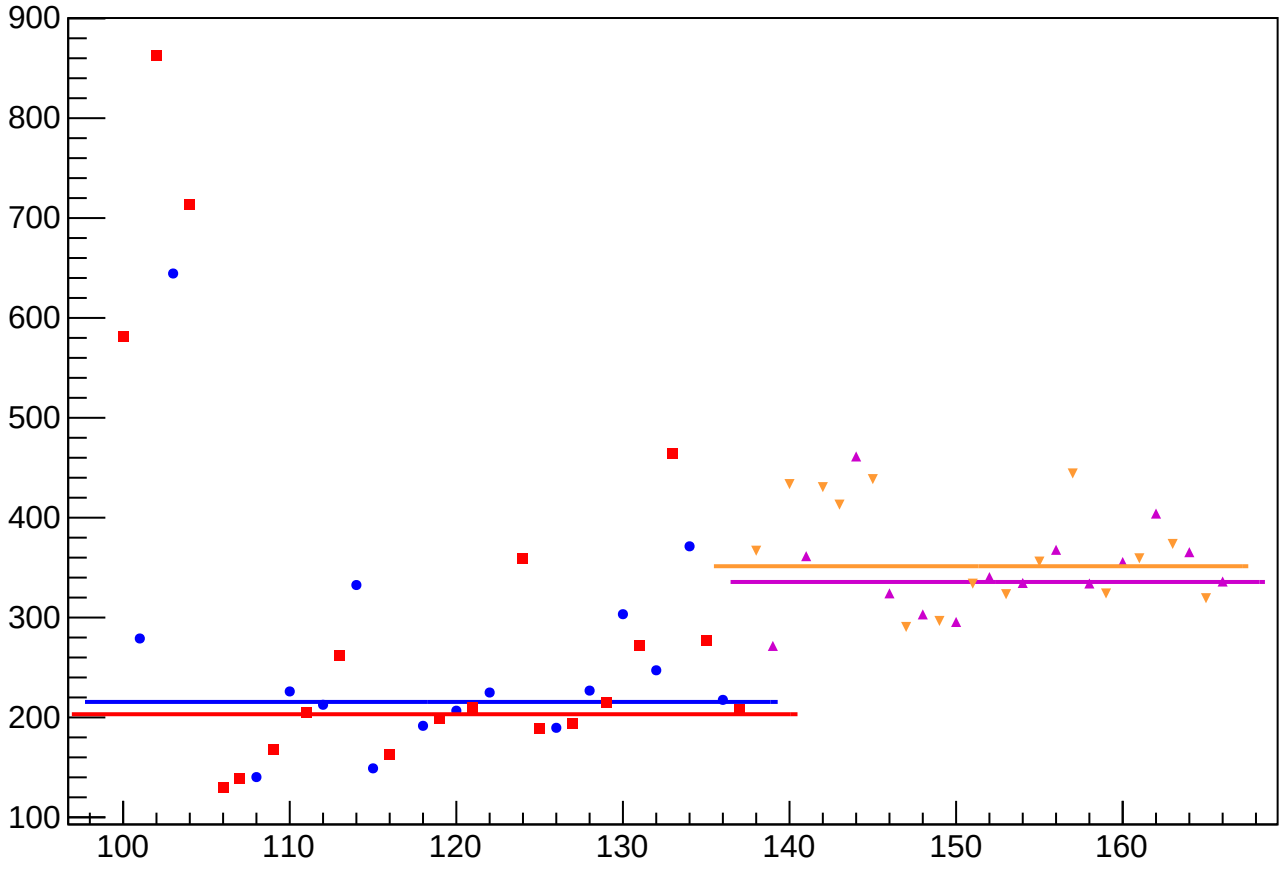
In: 0.008+/-0.000 χ^2/NDF:10610735.5/29

Out: 0.007+/-0.000 χ^2/NDF:11113223.1/33

All: 0.008+/-0.000 χ^2/NDF: 21788865.3/63


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.018+/-0.073 χ²/NDF: 40.2/28
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.026+/-0.046 χ²/NDF: 78.2/63

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.392+/-0.074 χ^2/NDF:435617.8/14

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.628+/-0.071 χ^2/NDF:353296.4/13

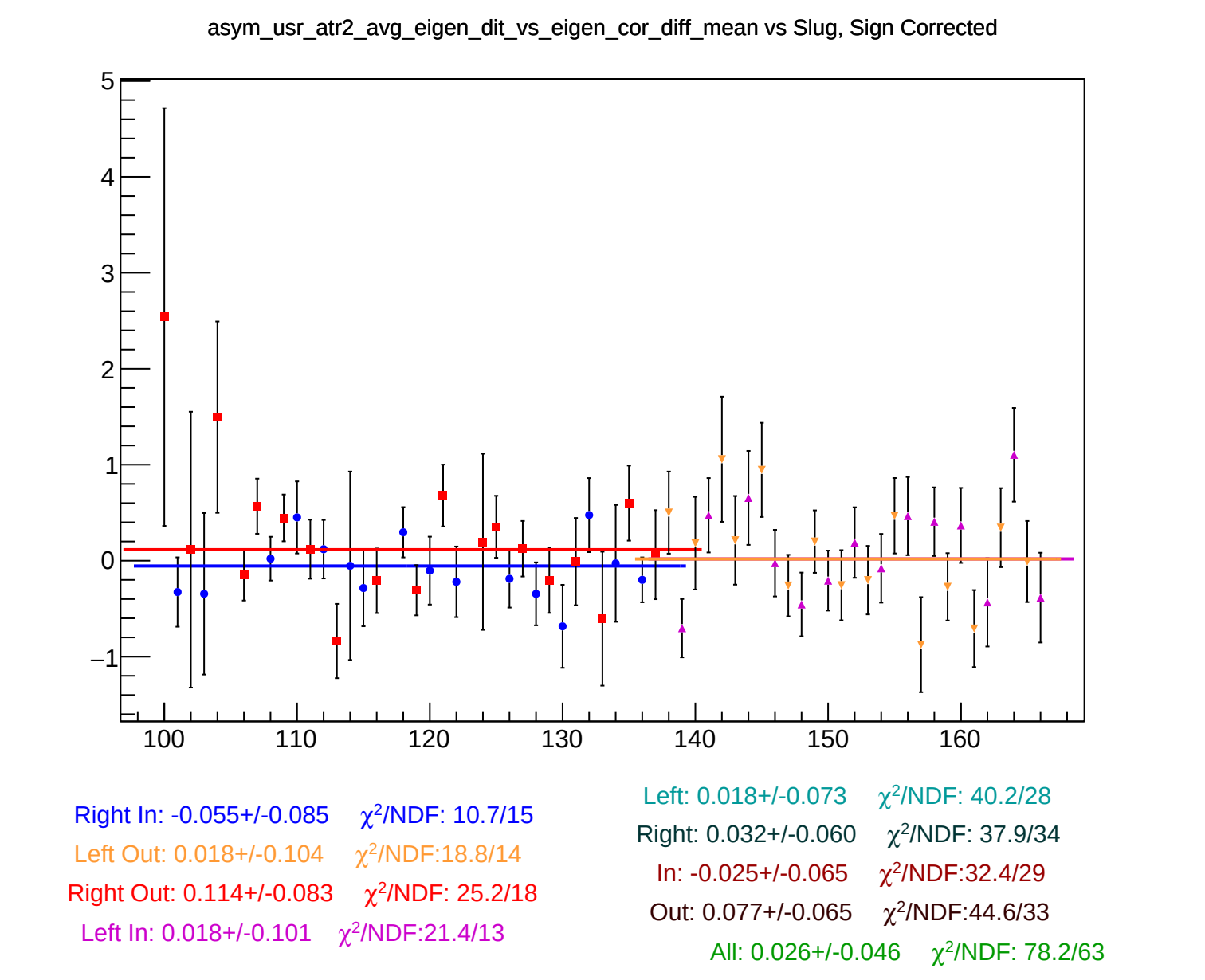
Left: 343.242+/-0.051 χ^2/NDF: 812522.2/28

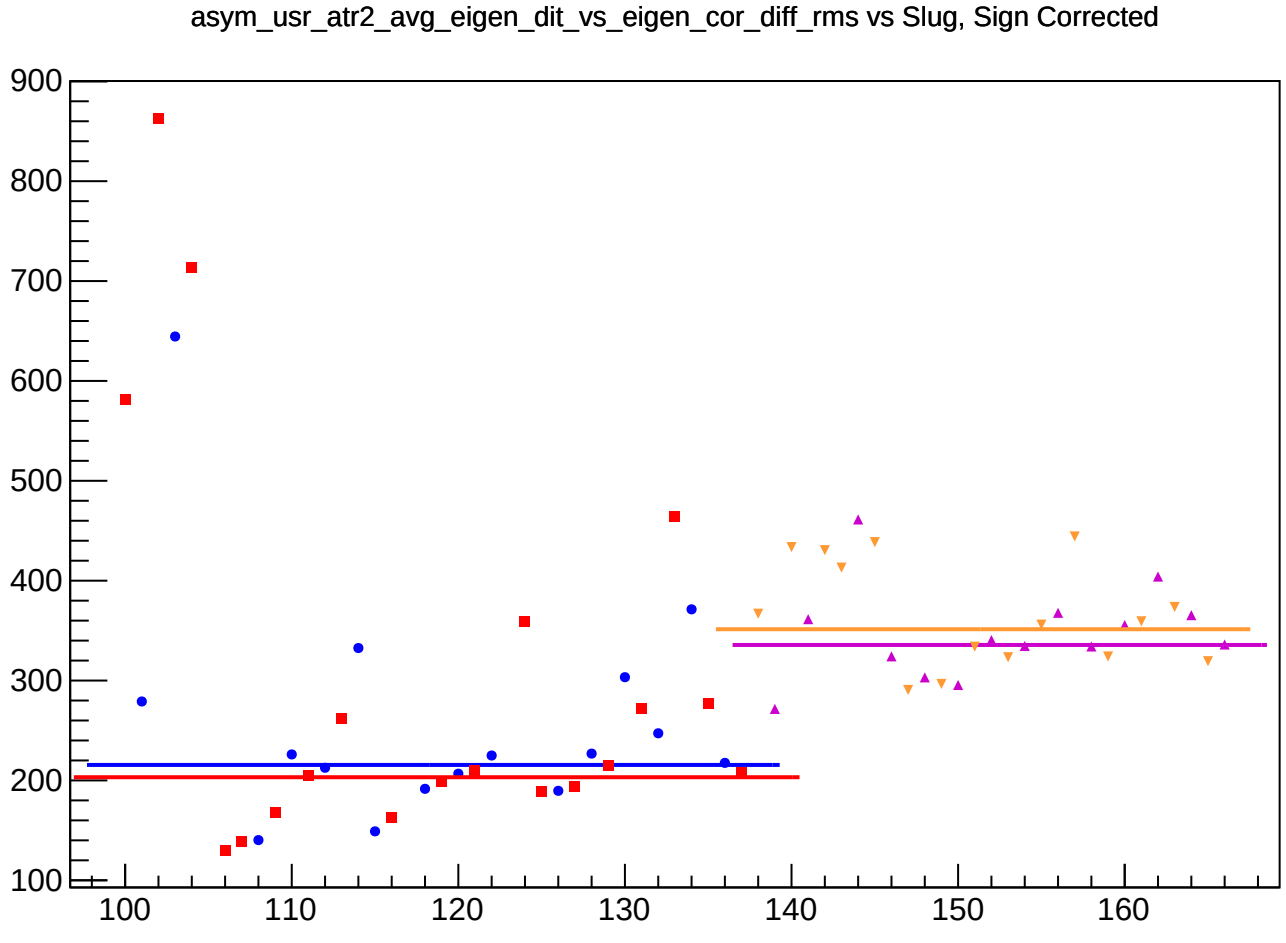
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.735+/-0.046 χ^2/NDF:3153360.8/29

Out: 260.825+/-0.046 χ^2/NDF:4737179.3/33

All: 263.274+/-0.033 χ^2/NDF: 7896223.7/63


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.018+/-0.104 χ²/NDF:18.8/14
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.018+/-0.101 χ²/NDF:21.4/13
Left: 0.018+/-0.073 χ²/NDF: 40.2/28
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.025+/-0.065 χ²/NDF:32.4/29
Out: 0.077+/-0.065 χ²/NDF:44.6/33
All: 0.026+/-0.046 χ²/NDF: 78.2/63



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.392+/-0.074 χ^2/NDF:435617.8/14

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.628+/-0.071 χ^2/NDF:353296.4/13

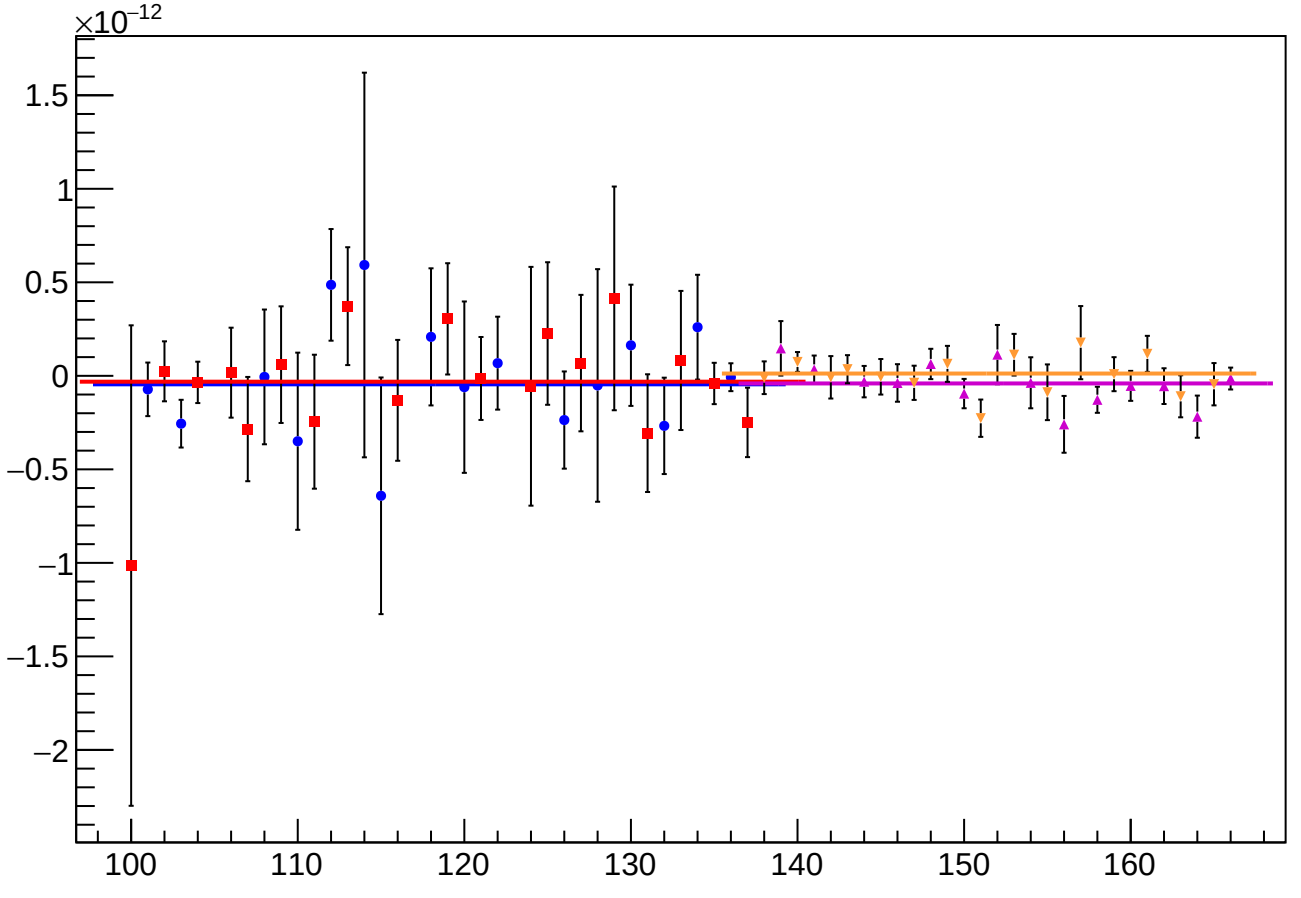
Left: 343.242+/-0.051 χ^2/NDF: 812522.2/28

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.735+/-0.046 χ^2/NDF:3153360.8/29

Out: 260.825+/-0.046 χ^2/NDF:4737179.3/33

All: 263.274+/-0.033 χ^2/NDF: 7896223.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/13

Left: -0.000+/-0.000 χ^2/NDF: 27.1/28

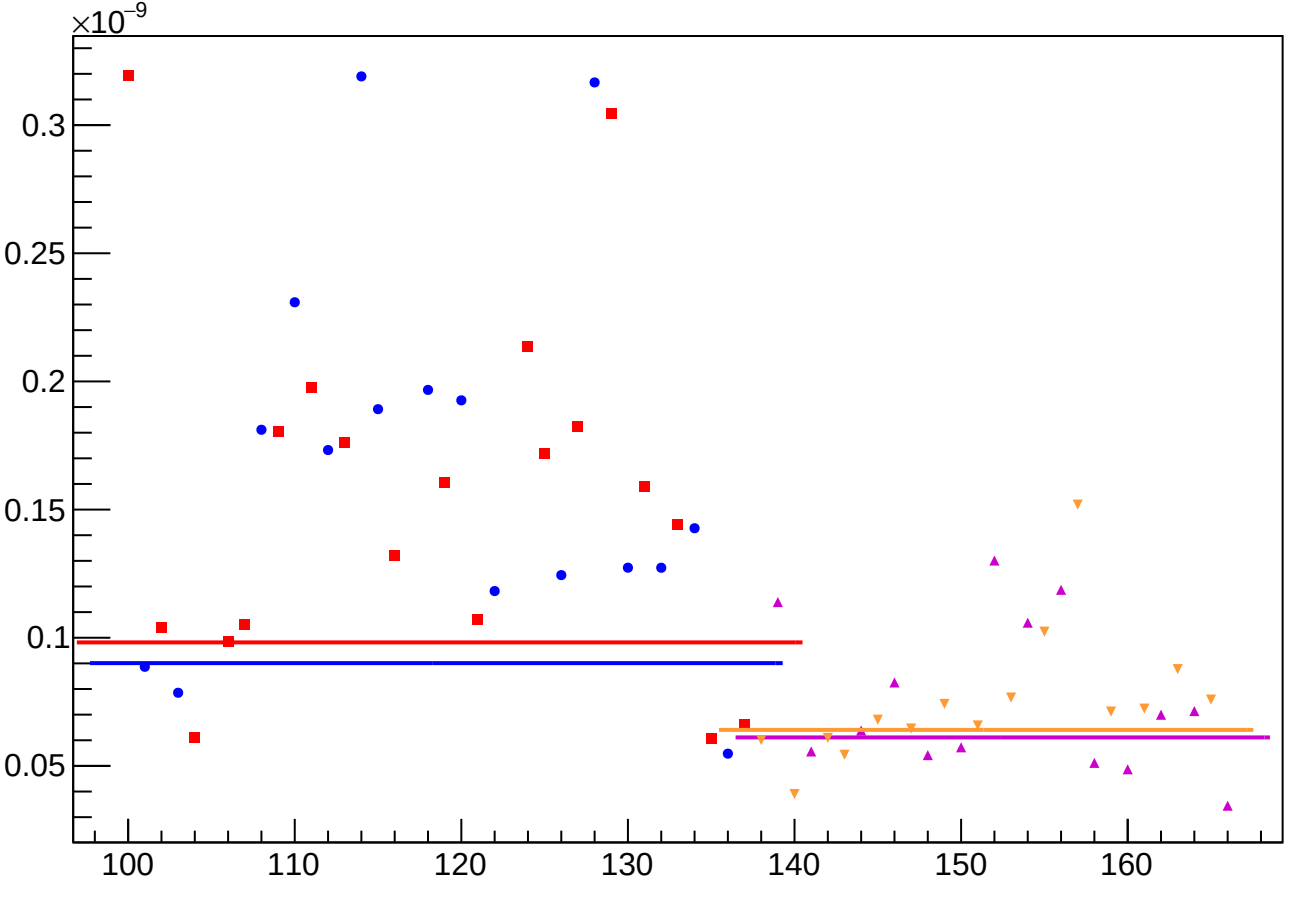
Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: 0.000+/-0.000 χ^2/NDF:21.4/33

All: -0.000+/-0.000 χ^2/NDF: 47.3/63

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210303.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1806153.3/13

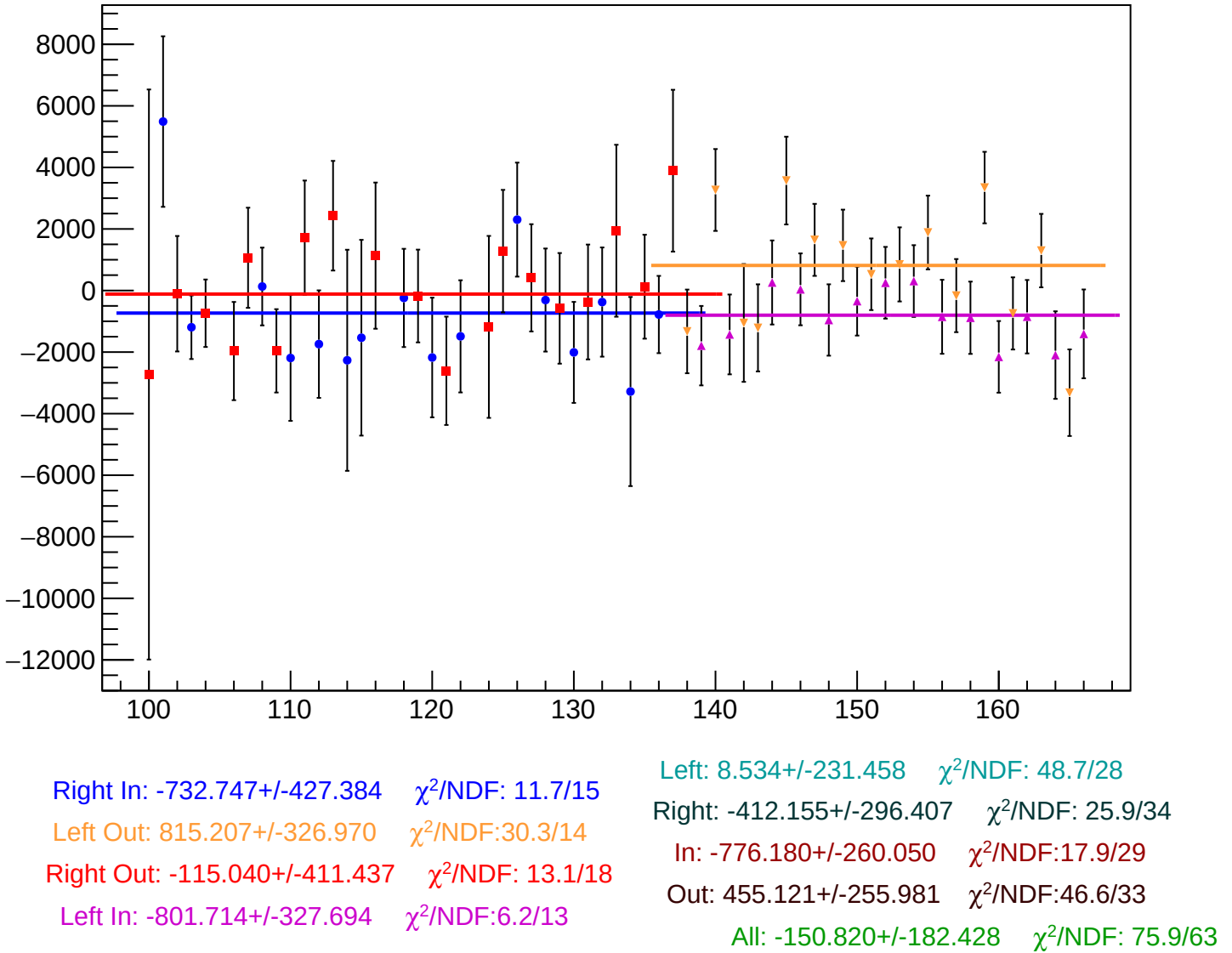
Left: 0.000+/-0.000 χ^2/NDF: 3031524.0/28

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

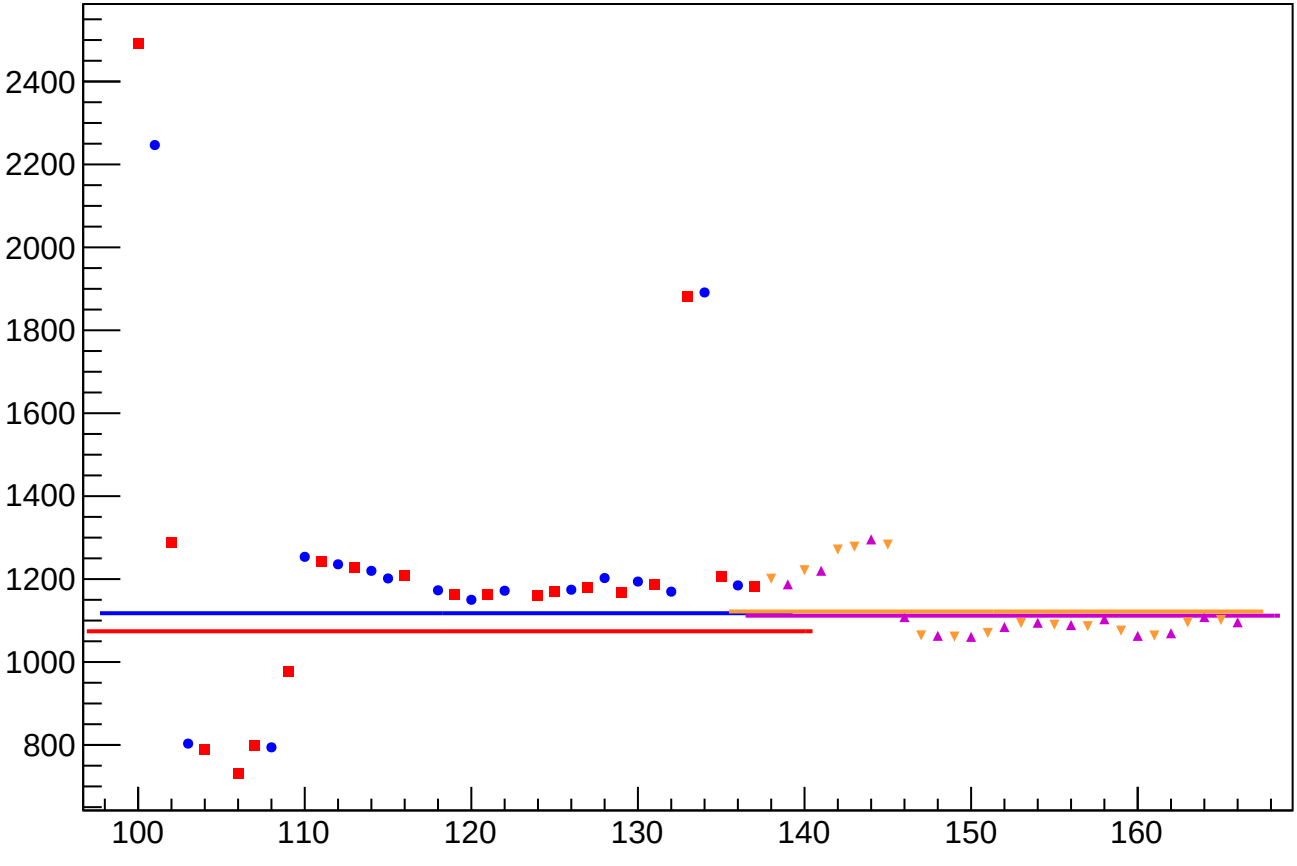
In: 0.000+/-0.000 χ^2/NDF:4162420.7/29

Out: 0.000+/-0.000 χ^2/NDF:3612281.9/33

All: 0.000+/-0.000 χ^2/NDF: 7802360.3/63


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 815.207+/-326.970 χ²/NDF:30.3/14
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -801.714+/-327.694 χ²/NDF:6.2/13
Left: 8.534+/-231.458 χ²/NDF: 48.7/28
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -776.180+/-260.050 χ²/NDF:17.9/29
Out: 455.121+/-255.981 χ²/NDF:46.6/33
All: -150.820+/-182.428 χ²/NDF: 75.9/63

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1111.748+/-0.232 χ^2/NDF:73416.3/13

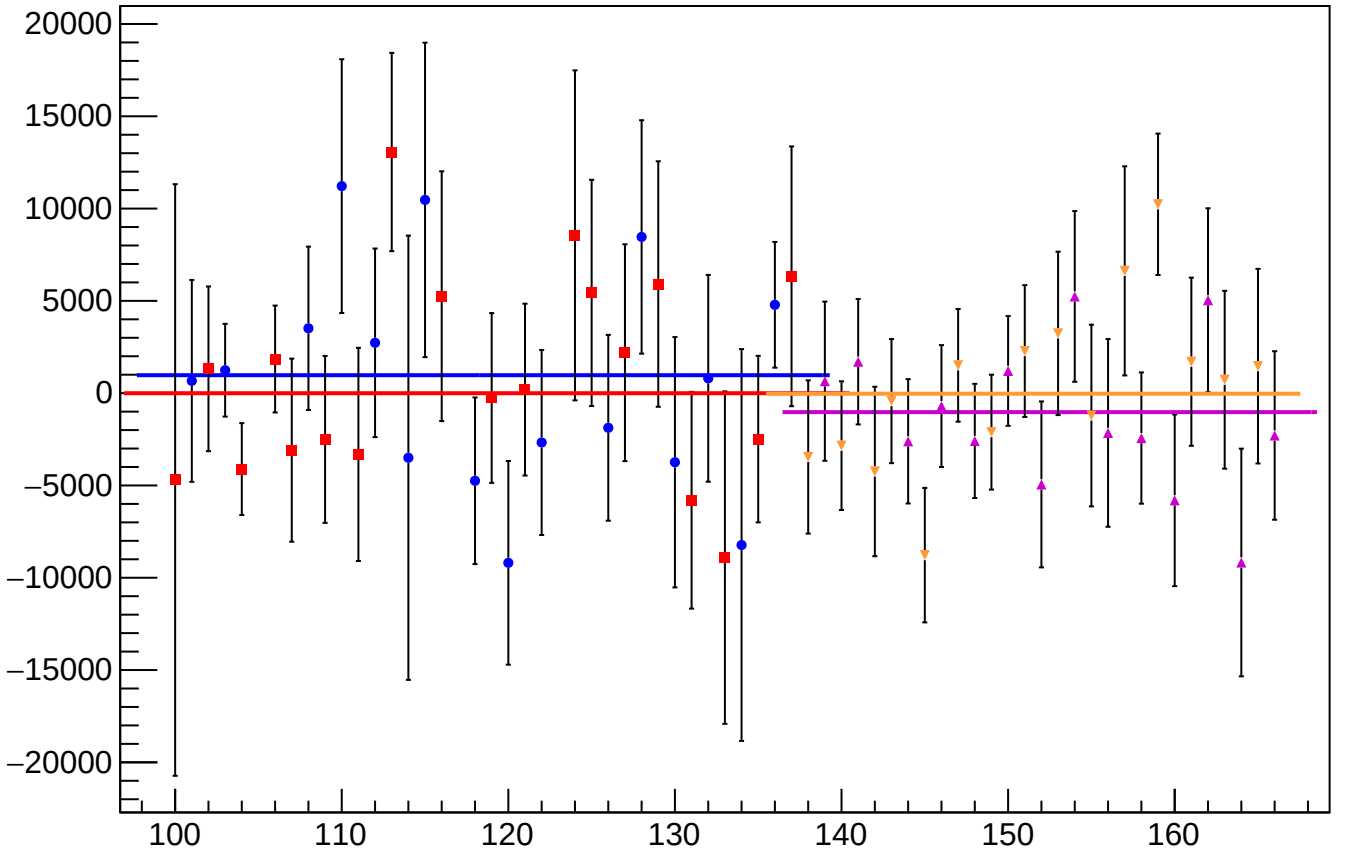
Left: 1116.811+/-0.164 χ^2/NDF: 182516.8/28

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1113.946+/-0.184 χ^2/NDF:893494.3/29

Out: 1103.198+/-0.180 χ^2/NDF:774303.6/33

All: 1108.470+/-0.129 χ^2/NDF: 1669538.5/63



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -28.901+/-1020.867 χ^2/NDF:18.5/14

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -1027.320+/-1046.724 χ^2/NDF:9.0/13

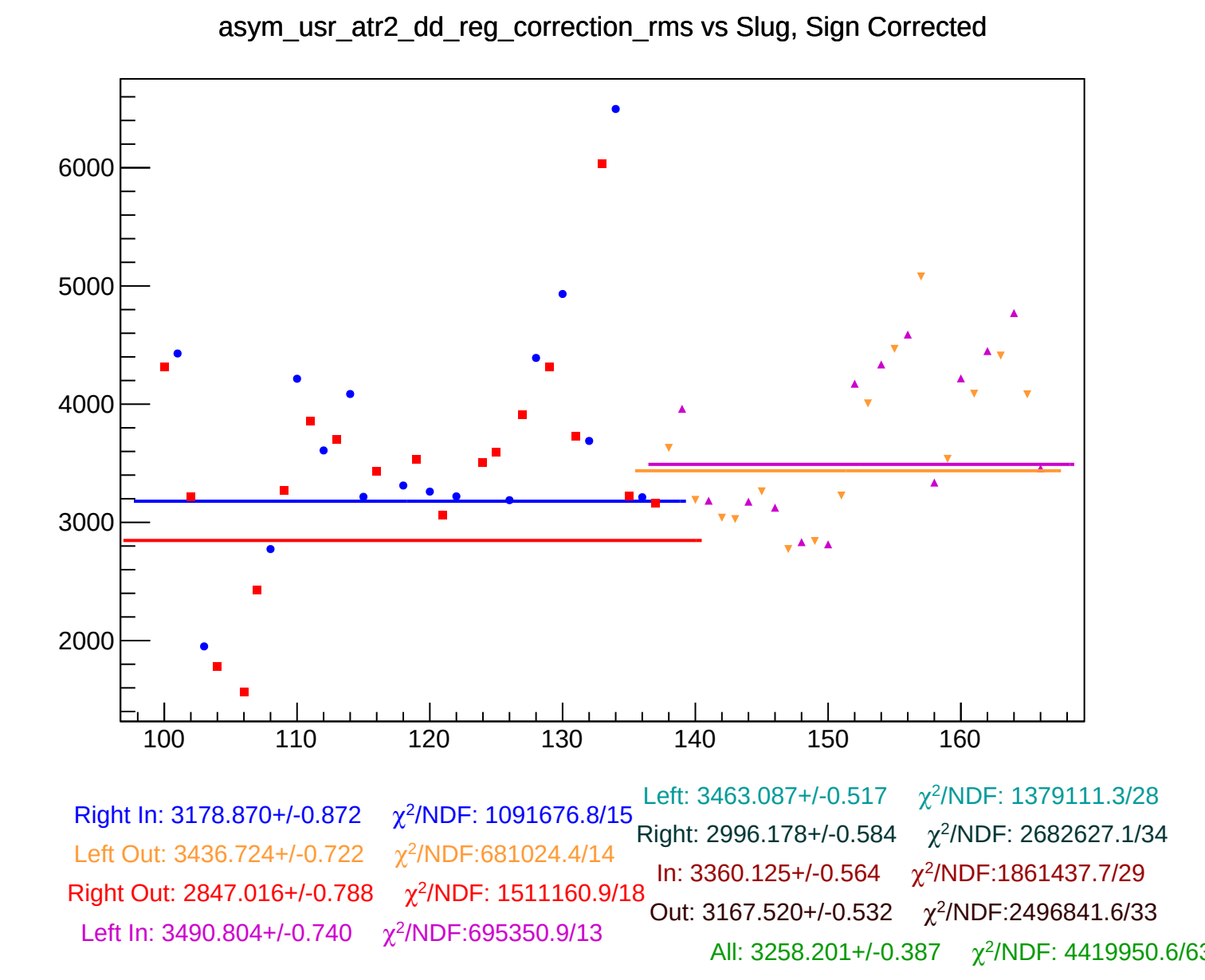
Left: -515.626+/-730.832 χ^2/NDF: 28.0/28

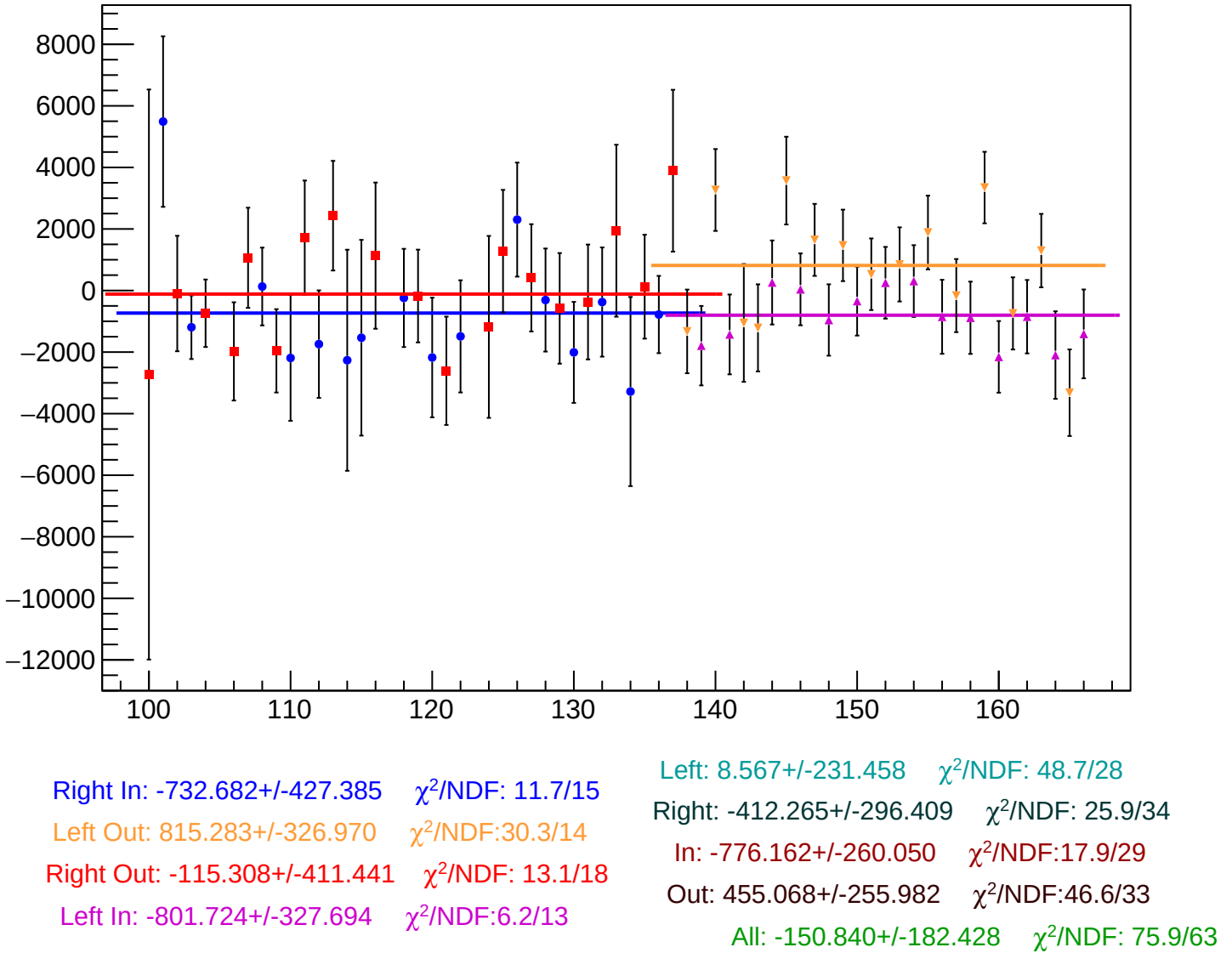
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

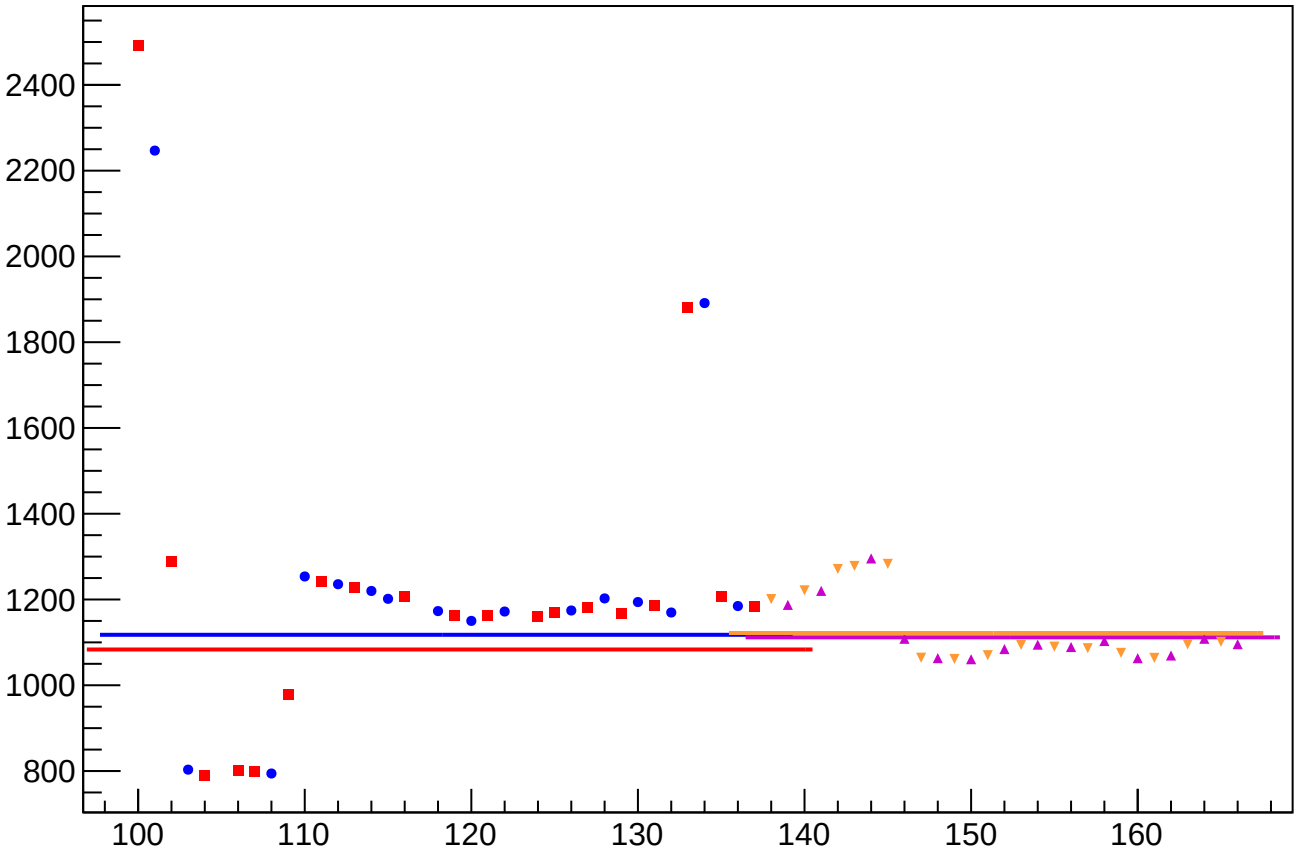
In: -189.011+/-797.896 χ^2/NDF:24.3/29

Out: -17.025+/-752.605 χ^2/NDF:35.0/33

All: -97.998+/-547.484 χ^2/NDF: 59.4/63


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3436.724+/-0.722 χ²/NDF:681024.4/14
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3490.804+/-0.740 χ²/NDF:695350.9/13
Left: 3463.087+/-0.517 χ²/NDF: 1379111.3/28
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3360.125+/-0.564 χ²/NDF:1861437.7/29
Out: 3167.520+/-0.532 χ²/NDF:2496841.6/33
All: 3258.201+/-0.387 χ²/NDF: 4419950.6/63


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 815.283+/-326.970 χ²/NDF:30.3/14
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -801.724+/-327.694 χ²/NDF:6.2/13
Left: 8.567+/-231.458 χ²/NDF: 48.7/28
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -776.162+/-260.050 χ²/NDF:17.9/29
Out: 455.068+/-255.982 χ²/NDF:46.6/33
All: -150.840+/-182.428 χ²/NDF: 75.9/63



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1111.748+/-0.232 χ^2/NDF:73416.3/13

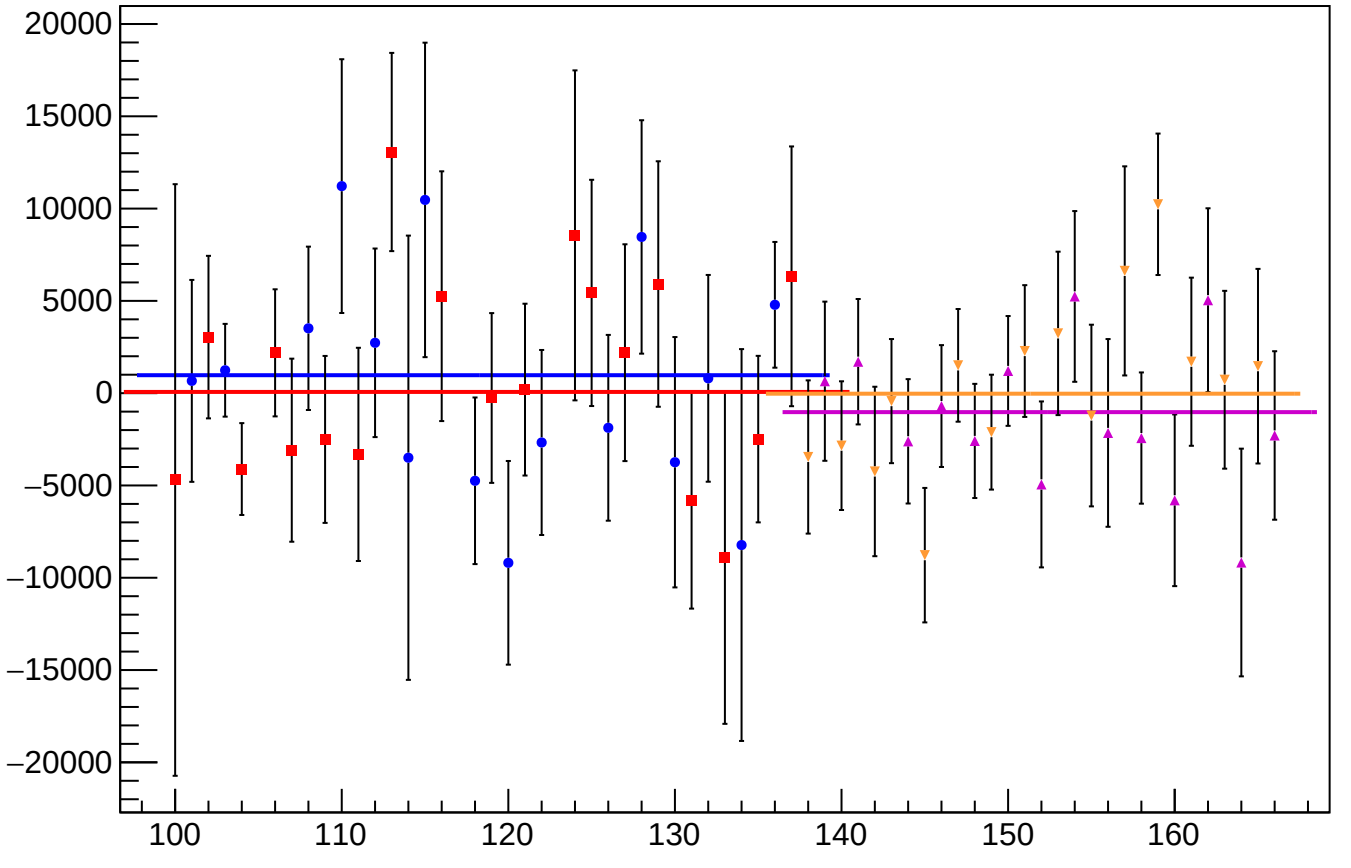
Left: 1116.812+/-0.164 χ^2/NDF: 182516.8/28

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1113.946+/-0.184 χ^2/NDF:893491.0/29

Out: 1106.941+/-0.181 χ^2/NDF:713884.6/33

All: 1110.386+/-0.129 χ^2/NDF: 1608113.2/63



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -28.924+/-1020.865 χ^2/NDF:18.5/14

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -1027.337+/-1046.723 χ^2/NDF:9.0/13

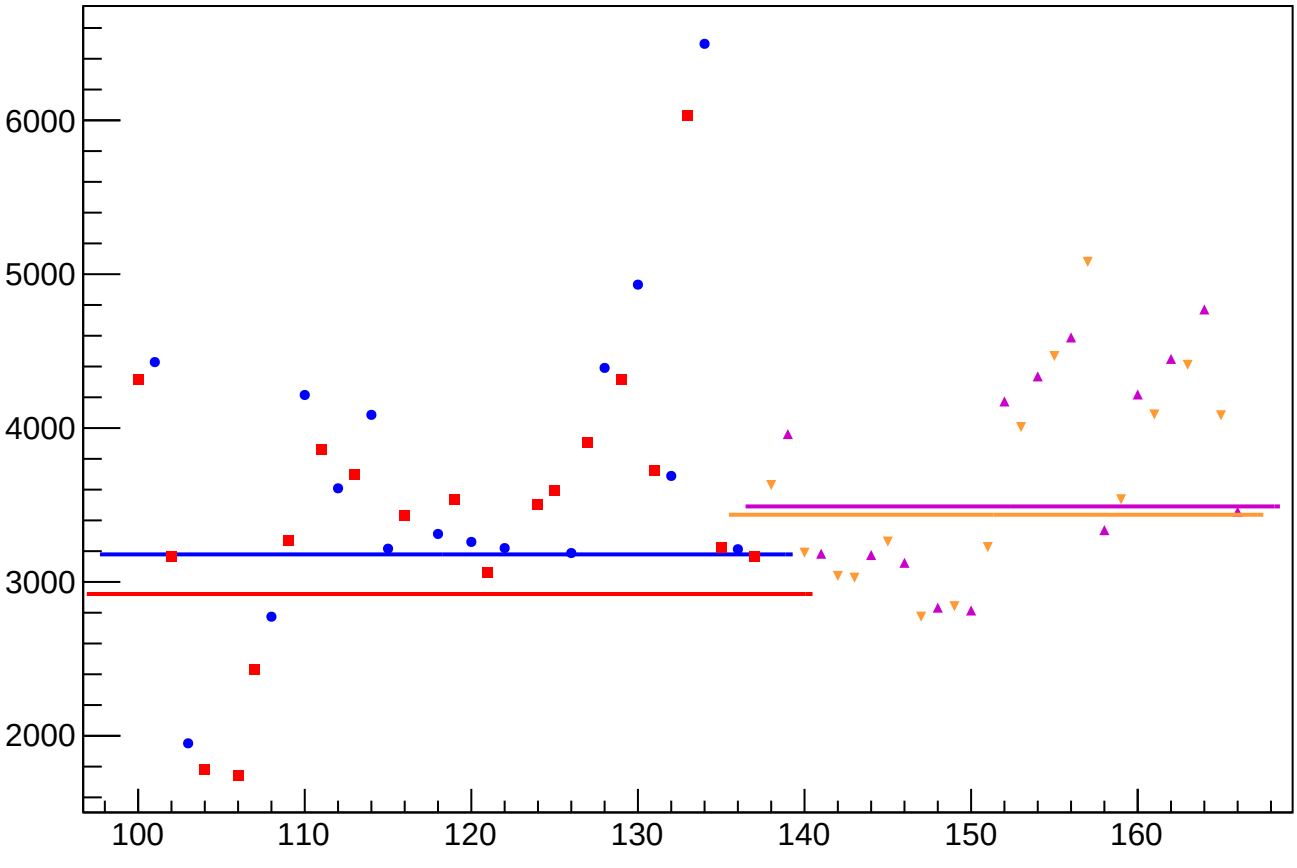
Left: -515.646+/-730.831 χ^2/NDF: 28.0/28

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -189.270+/-797.910 χ^2/NDF:24.3/29

Out: 13.904+/-759.877 χ^2/NDF:35.4/33

All: -82.726+/-550.269 χ^2/NDF: 59.8/63



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3436.719+/-0.722 χ^2/NDF:681026.1/14

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3490.802+/-0.740 χ^2/NDF:695354.5/13

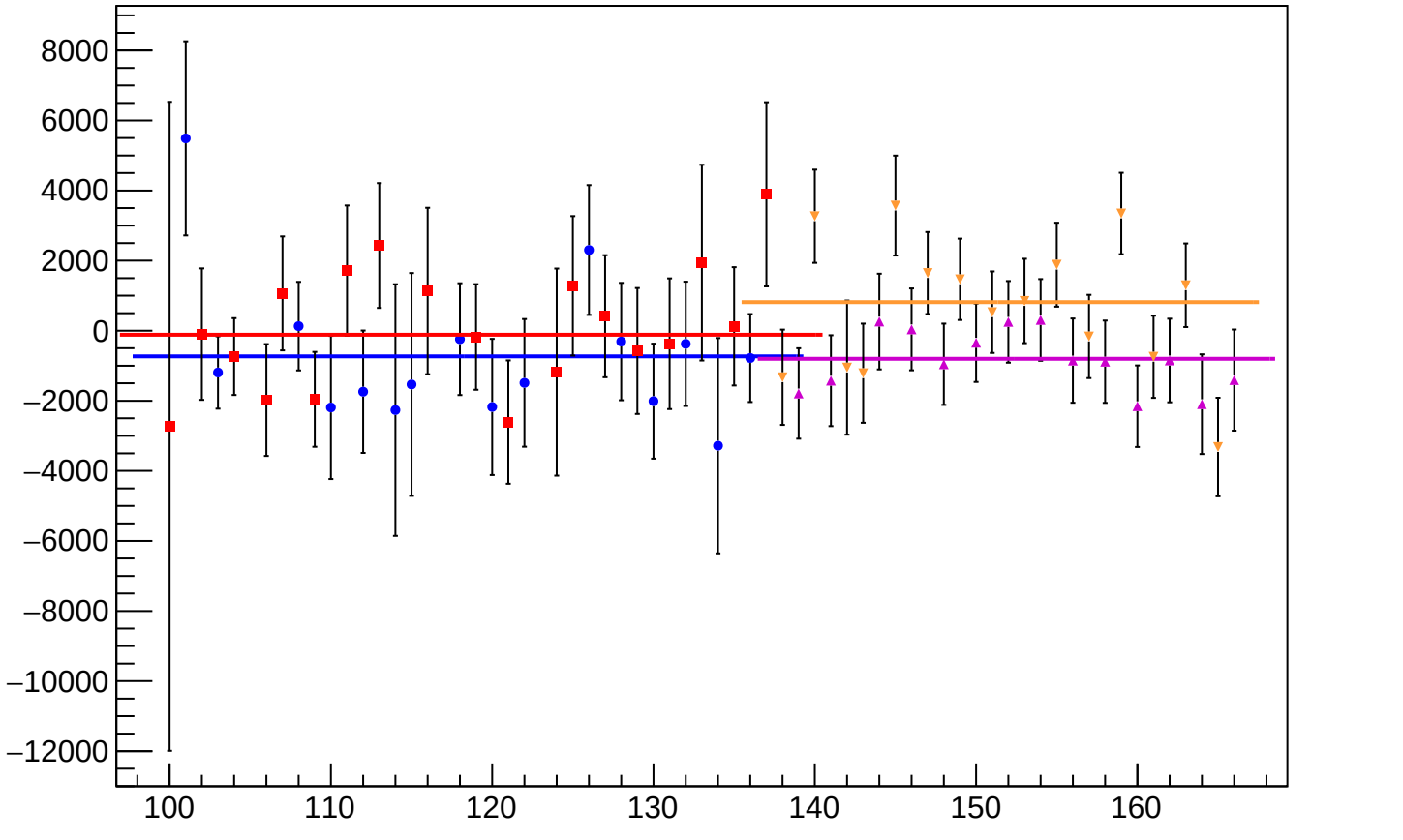
Left: 3463.084+/-0.517 χ^2/NDF: 1379117.0/28

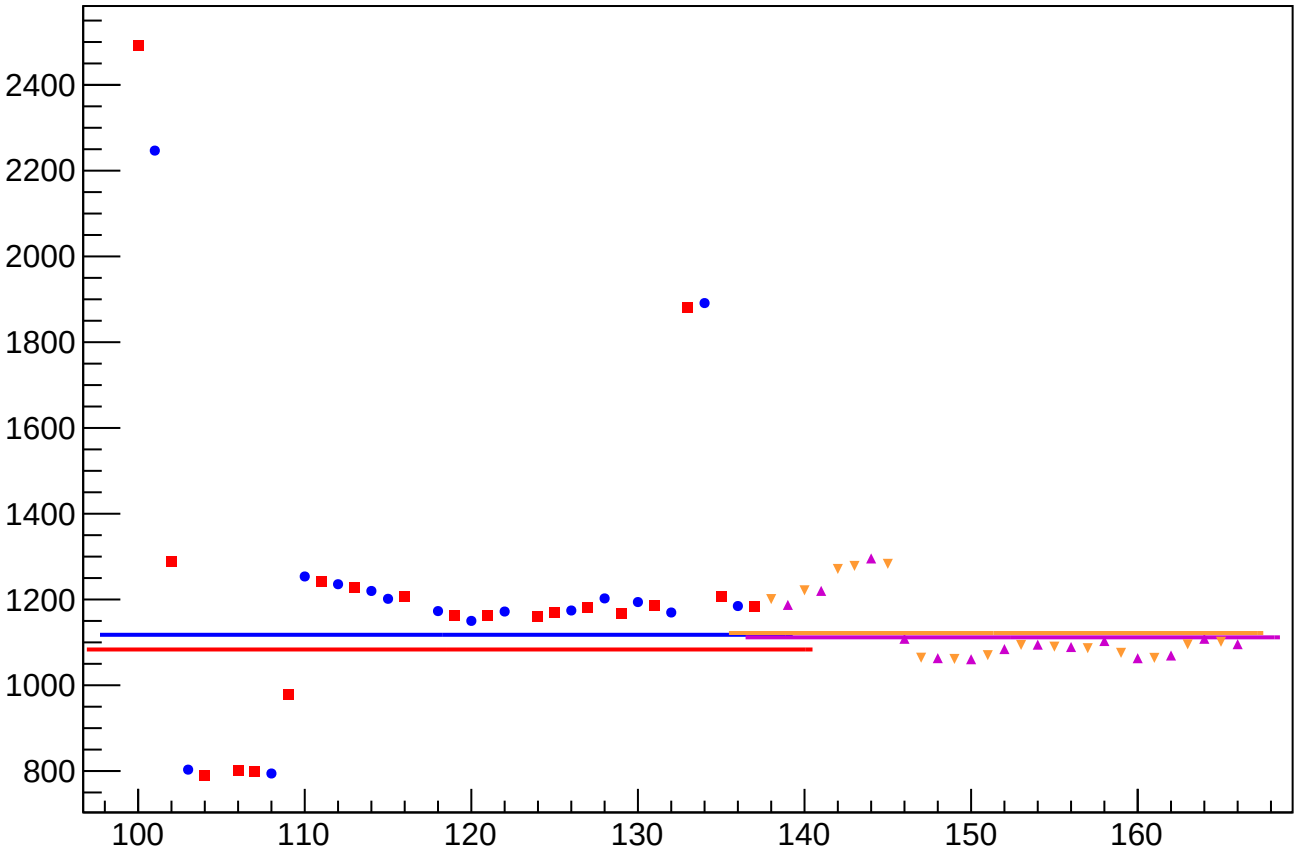
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3360.208+/-0.564 χ^2/NDF:1860908.9/29

Out: 3207.021+/-0.537 χ^2/NDF:2220967.6/33

All: 3279.876+/-0.389 χ^2/NDF: 4120533.7/63


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 815.283+/-326.970 χ²/NDF:30.3/14
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -801.724+/-327.694 χ²/NDF:6.2/13
Left: 8.567+/-231.458 χ²/NDF: 48.7/28
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -776.162+/-260.050 χ²/NDF:17.9/29
Out: 455.068+/-255.982 χ²/NDF:46.6/33
All: -150.840+/-182.428 χ²/NDF: 75.9/63



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1111.748+/-0.232 χ^2/NDF:73416.3/13

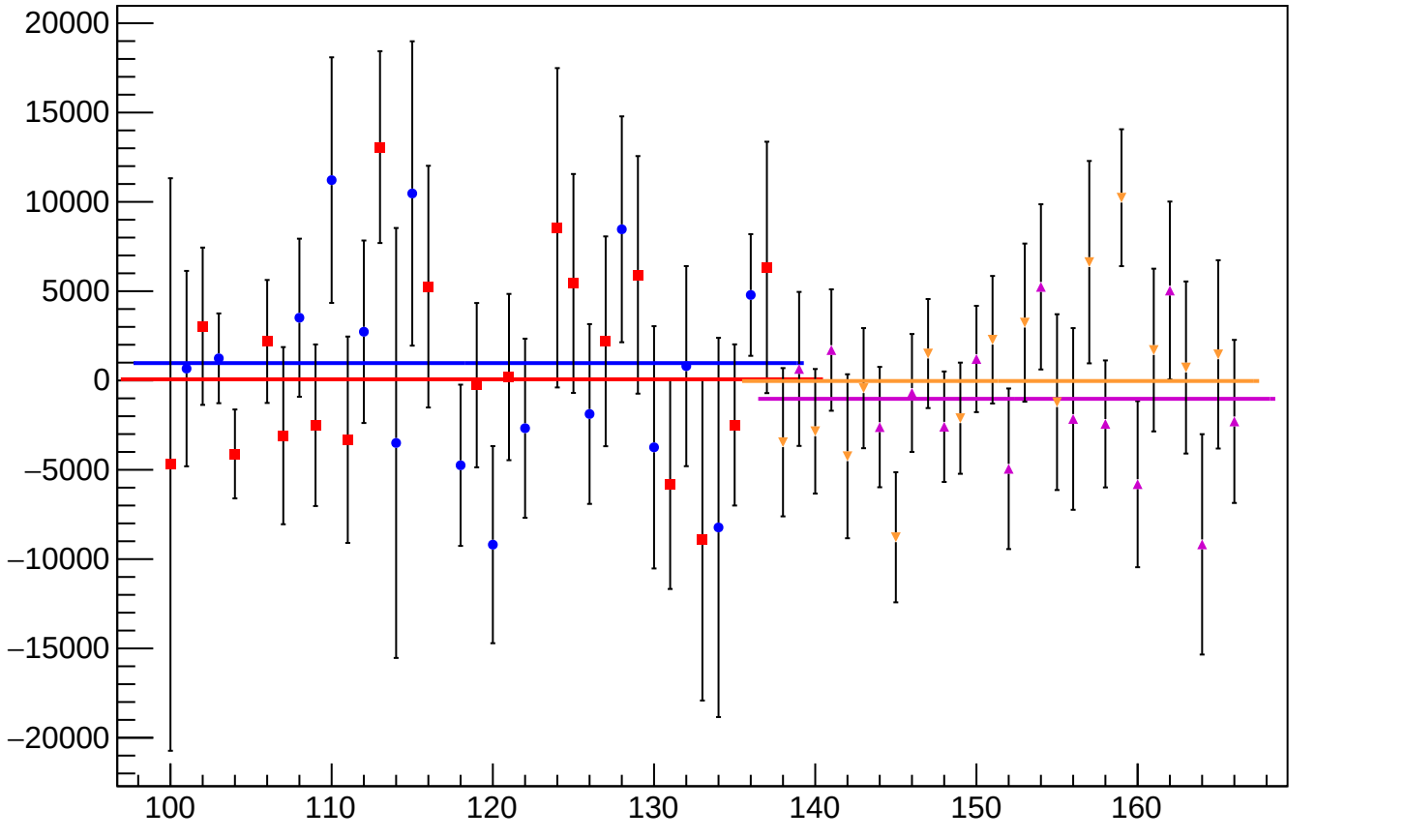
Left: 1116.812+/-0.164 χ^2/NDF: 182516.8/28

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1113.946+/-0.184 χ^2/NDF:893491.0/29

Out: 1106.941+/-0.181 χ^2/NDF:713884.6/33

All: 1110.386+/-0.129 χ^2/NDF: 1608113.2/63



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -28.924+/-1020.865 χ^2/NDF:18.5/14

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -1027.337+/-1046.723 χ^2/NDF:9.0/13

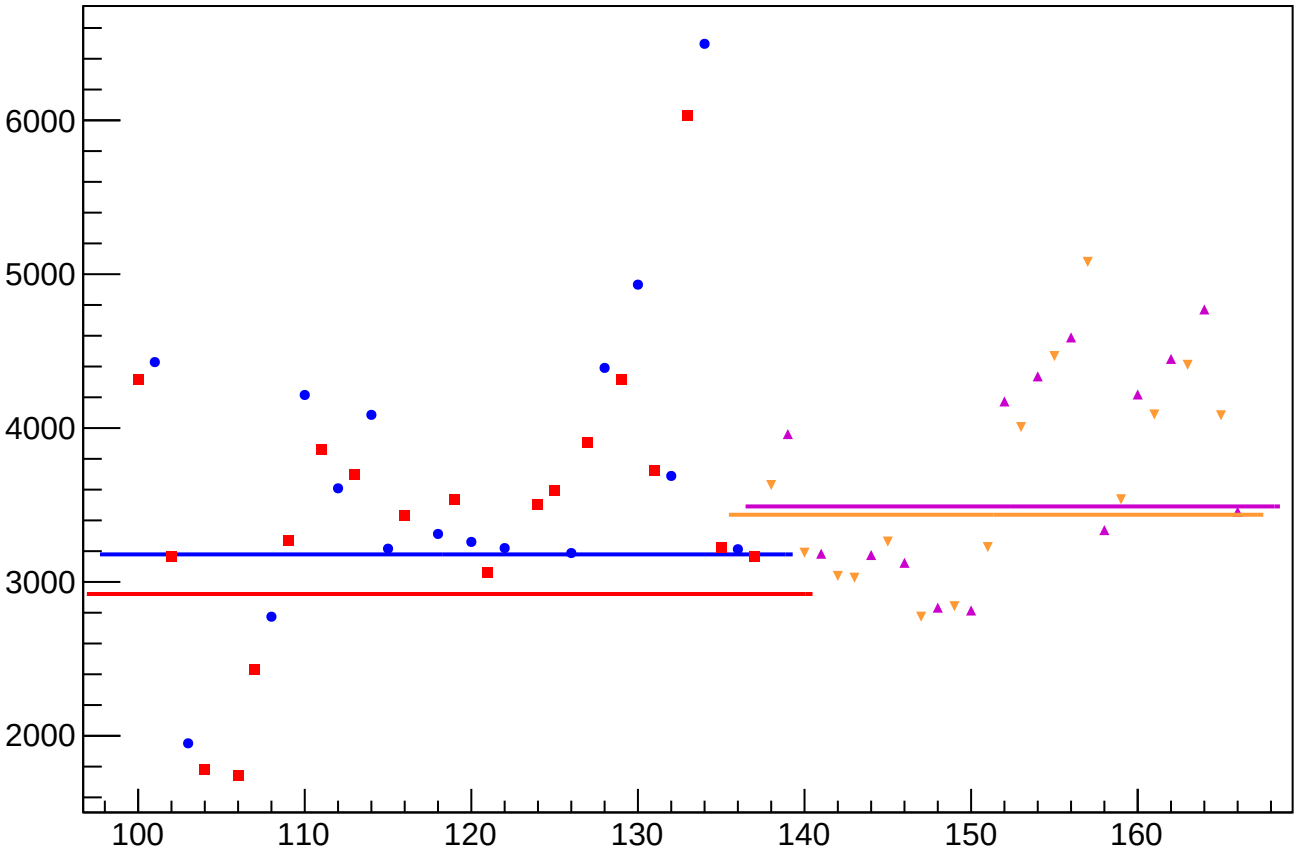
Left: -515.646+/-730.831 χ^2/NDF: 28.0/28

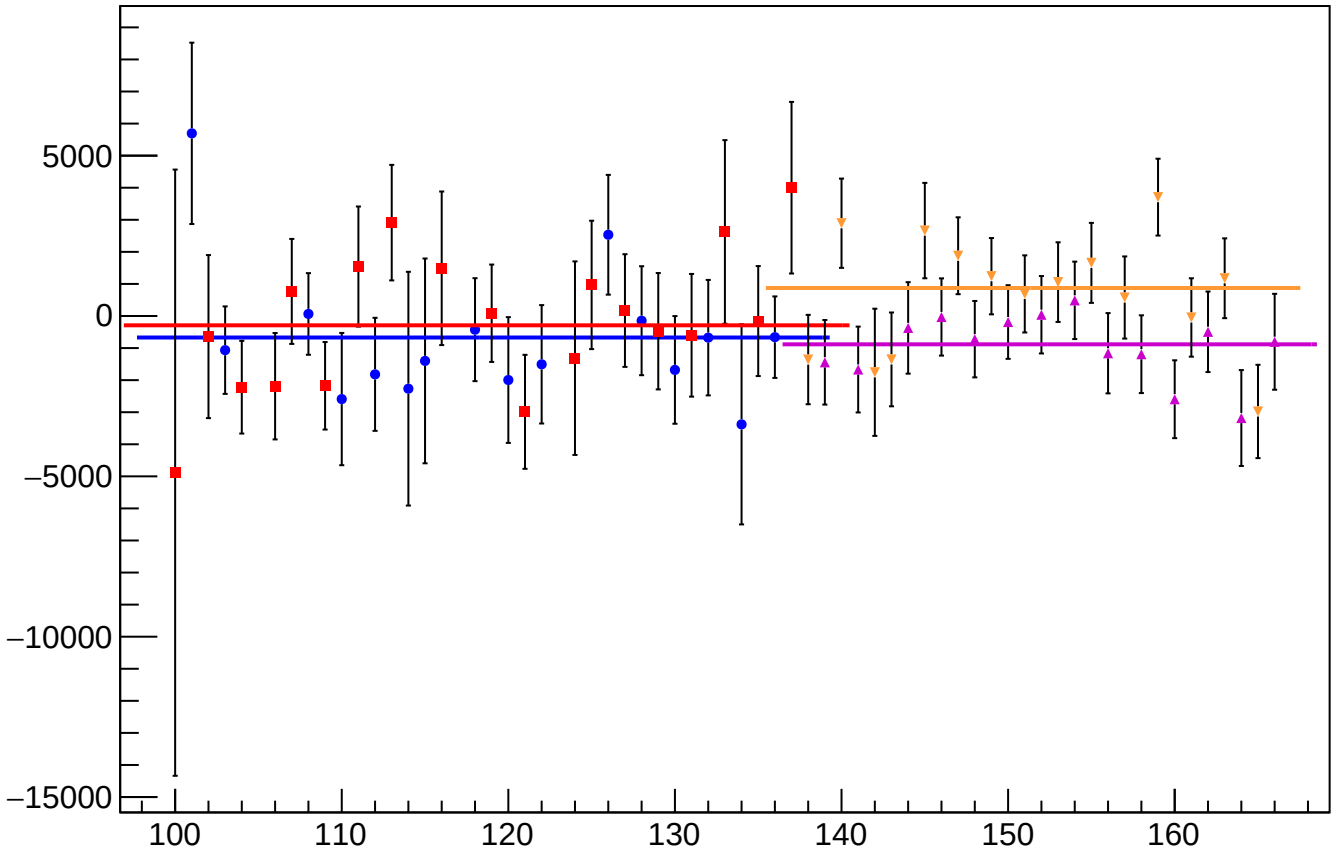
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -189.270+/-797.910 χ^2/NDF:24.3/29

Out: 13.904+/-759.877 χ^2/NDF:35.4/33

All: -82.726+/-550.269 χ^2/NDF: 59.8/63


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3436.719+/-0.722 χ²/NDF:681026.1/14
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3490.802+/-0.740 χ²/NDF:695354.5/13
Left: 3463.084+/-0.517 χ²/NDF: 1379117.0/28
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3360.208+/-0.564 χ²/NDF:1860908.9/29
Out: 3207.021+/-0.537 χ²/NDF:2220967.6/33
All: 3279.876+/-0.389 χ²/NDF: 4120533.7/63



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.685+/-339.336 χ^2/NDF:24.7/14

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -883.211+/-339.473 χ^2/NDF:8.0/13

Left: -4.409+/-239.995 χ^2/NDF: 46.1/28

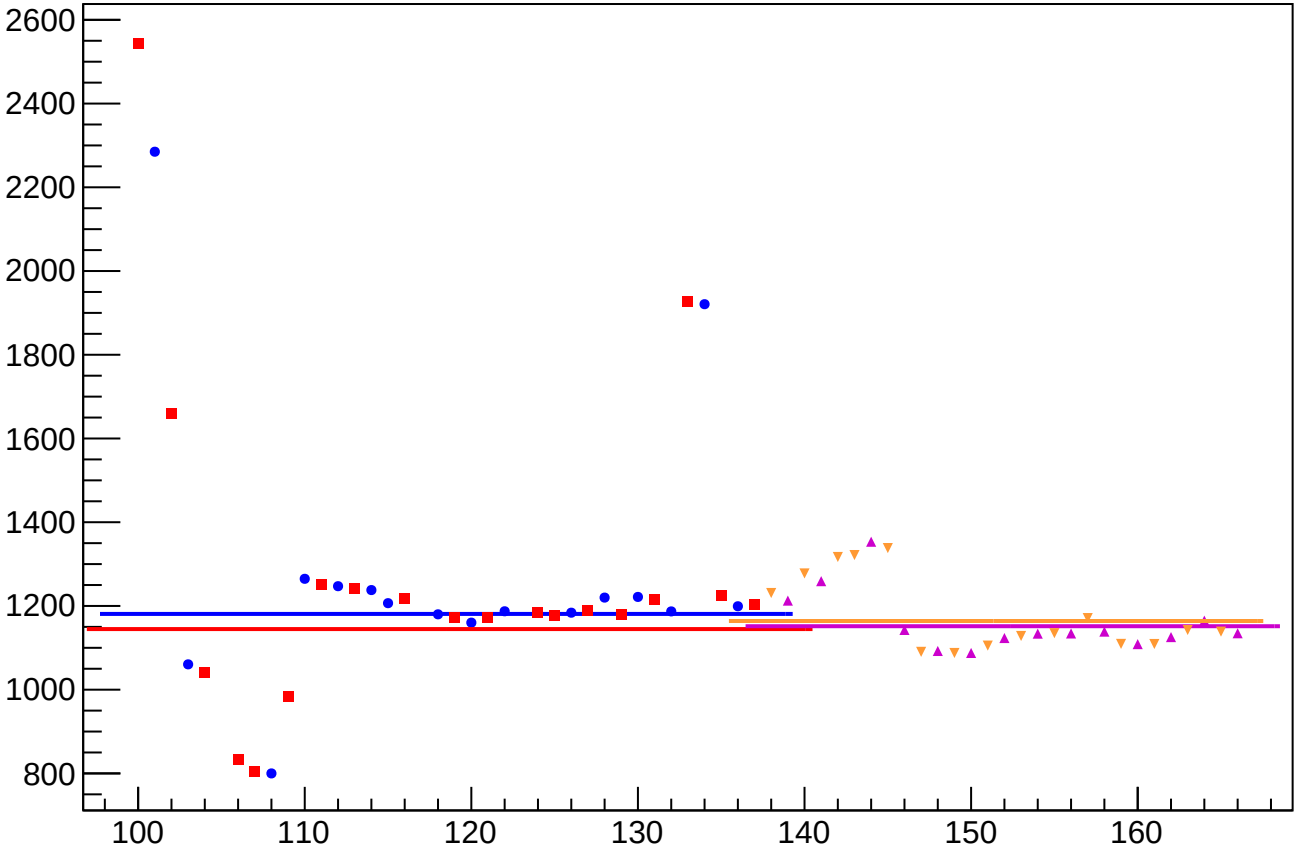
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -805.850+/-270.678 χ^2/NDF:20.0/29

Out: 432.605+/-267.423 χ^2/NDF:46.1/33

All: -179.130+/-190.237 χ^2/NDF: 76.7/63

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1164.053+/-0.240 χ^2/NDF:113264.5/14

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1151.589+/-0.240 χ^2/NDF:74368.1/13

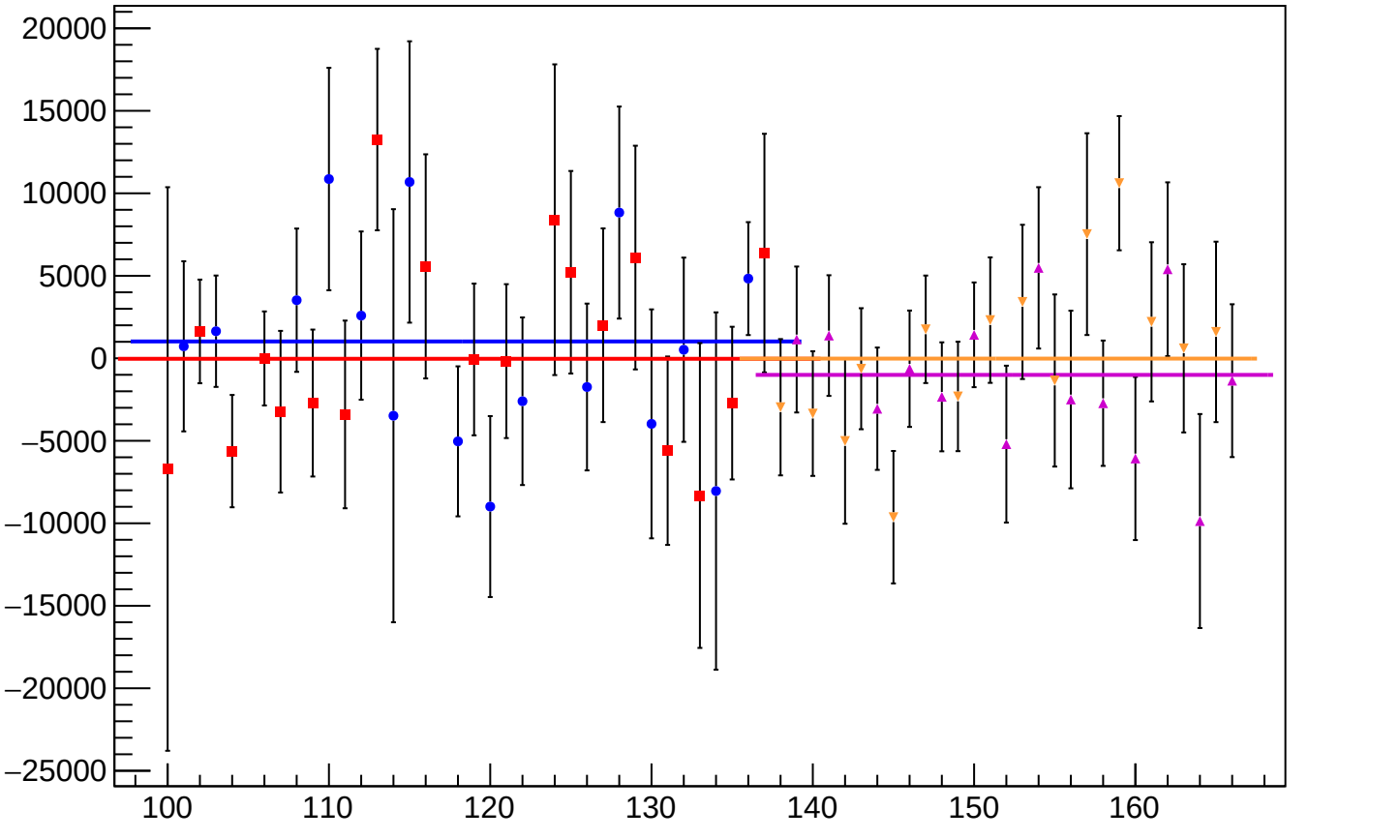
Left: 1157.824+/-0.170 χ^2/NDF: 188981.2/28

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1162.285+/-0.191 χ^2/NDF:701698.0/29

Out: 1156.744+/-0.189 χ^2/NDF:613442.2/33

All: 1159.481+/-0.135 χ^2/NDF: 1315564.3/63



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -18.984+/-1088.655 χ^2/NDF:18.5/14

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -1006.476+/-1113.017 χ^2/NDF:8.9/13

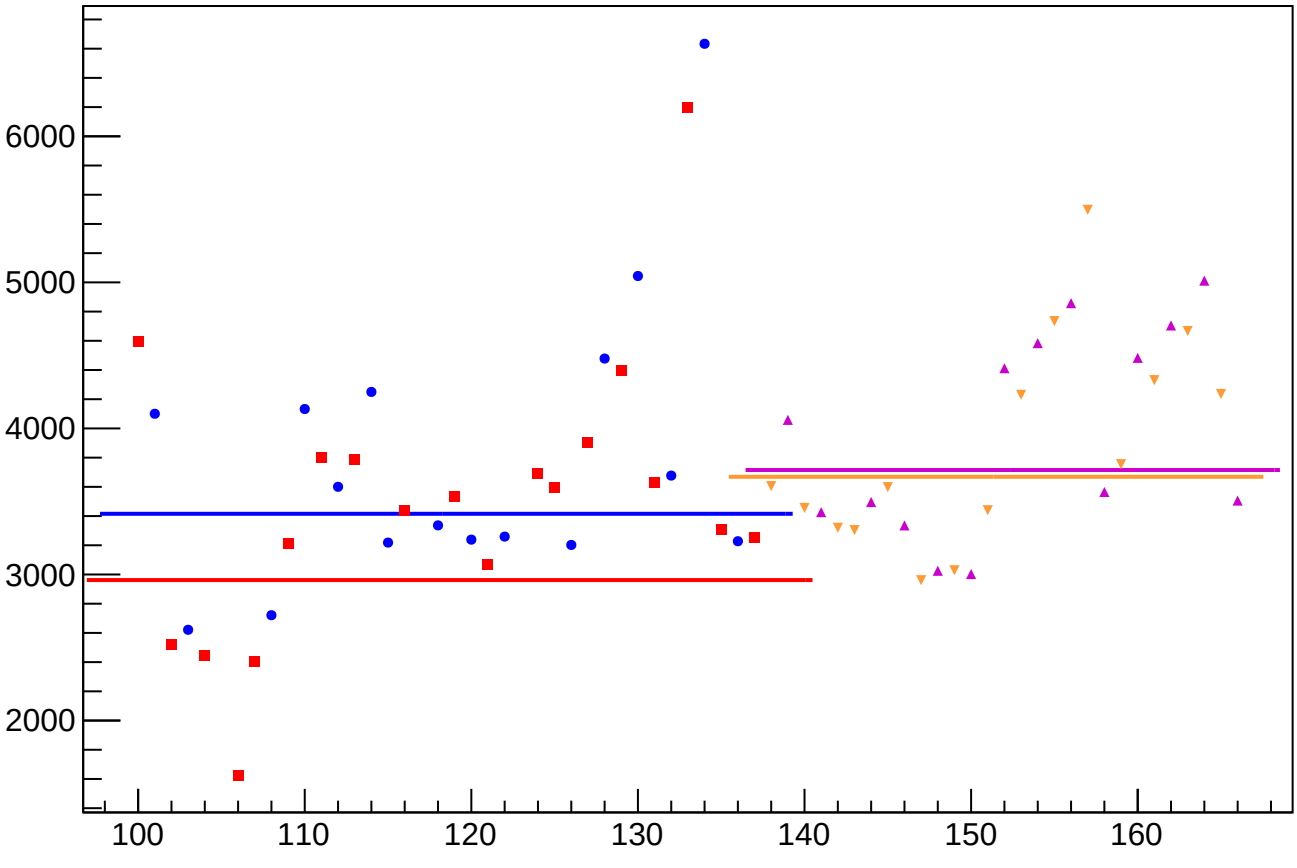
Left: -501.805+/-778.266 χ^2/NDF: 27.8/28

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -150.737+/-846.141 χ^2/NDF:24.2/29

Out: -24.348+/-784.252 χ^2/NDF:34.6/33

All: -82.752+/-575.186 χ^2/NDF: 58.8/63



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3668.833+/-0.770 χ^2/NDF:641078.6/14

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3715.344+/-0.787 χ^2/NDF:644744.3/13

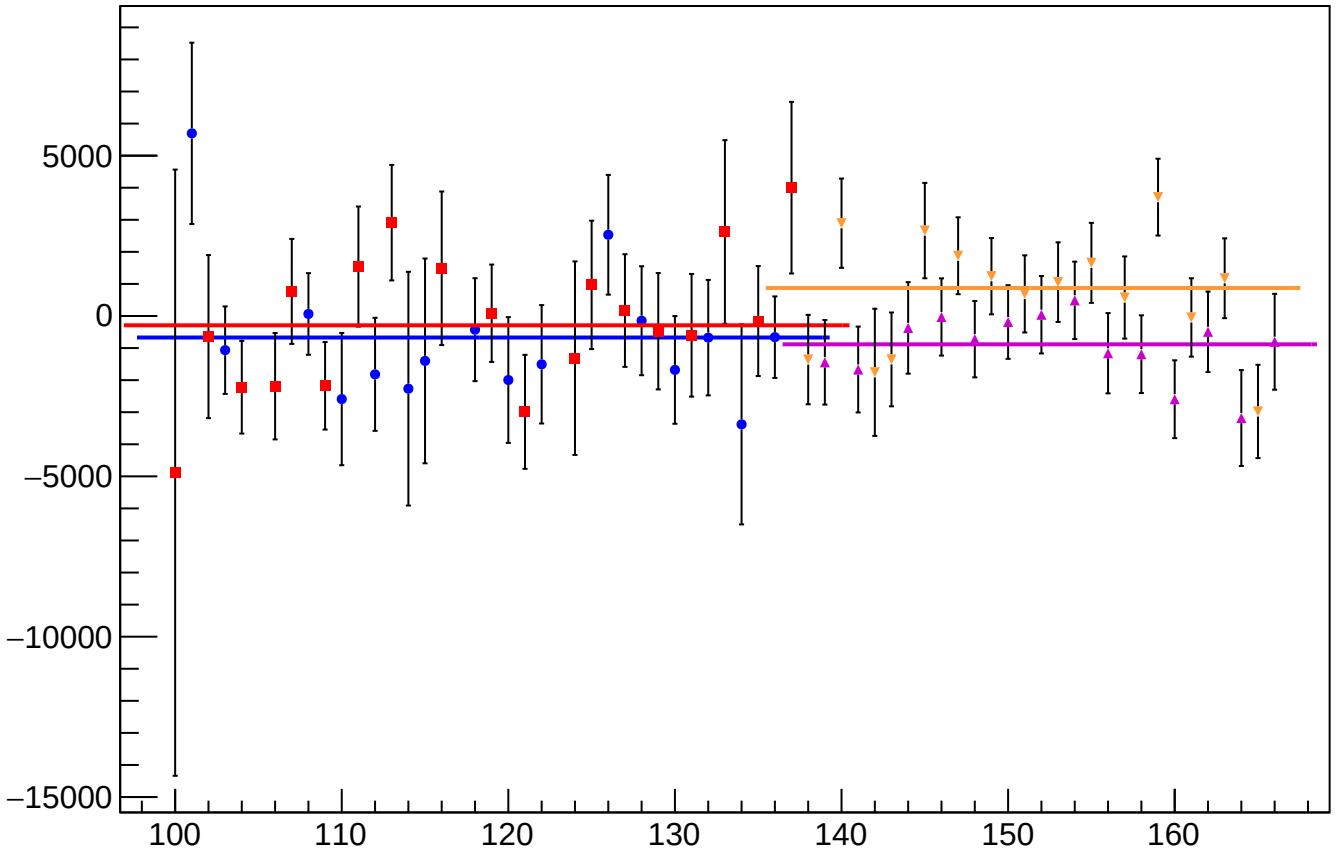
Left: 3691.574+/-0.550 χ^2/NDF: 1287607.8/28

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3588.831+/-0.598 χ^2/NDF:1298311.9/29

Out: 3328.719+/-0.555 χ^2/NDF:2216139.5/33

All: 3448.916+/-0.407 χ^2/NDF: 3616116.7/63



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.695+/-339.336 χ^2/NDF:24.7/14

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -883.211+/-339.473 χ^2/NDF:8.0/13

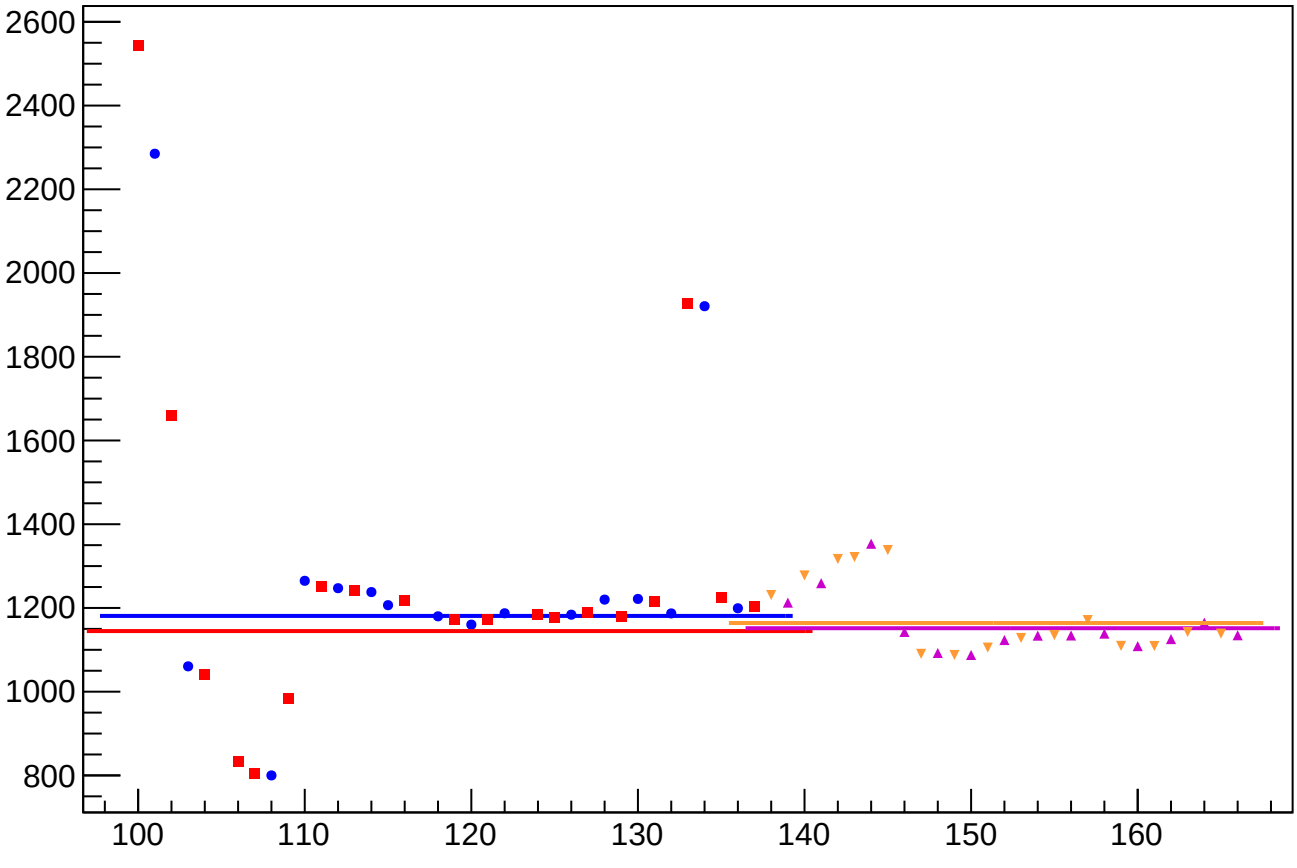
Left: -4.405+/-239.995 χ^2/NDF: 46.1/28

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -805.852+/-270.678 χ^2/NDF:20.0/29

Out: 432.608+/-267.423 χ^2/NDF:46.1/33

All: -179.129+/-190.237 χ^2/NDF: 76.7/63



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1164.054+/-0.240 χ^2/NDF:113264.1/14

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1151.590+/-0.240 χ^2/NDF:74367.6/13

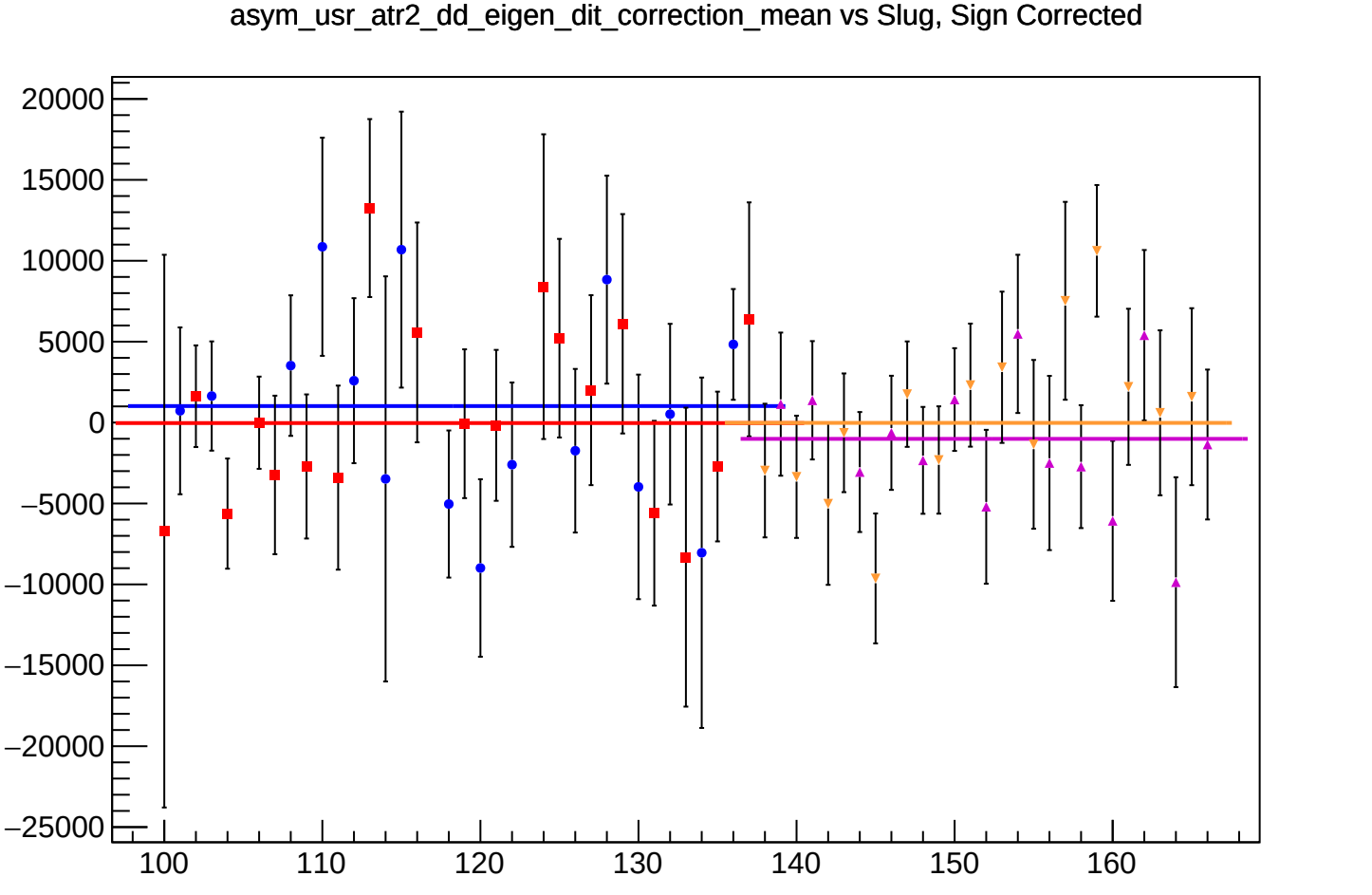
Left: 1157.825+/-0.170 χ^2/NDF: 188980.2/28

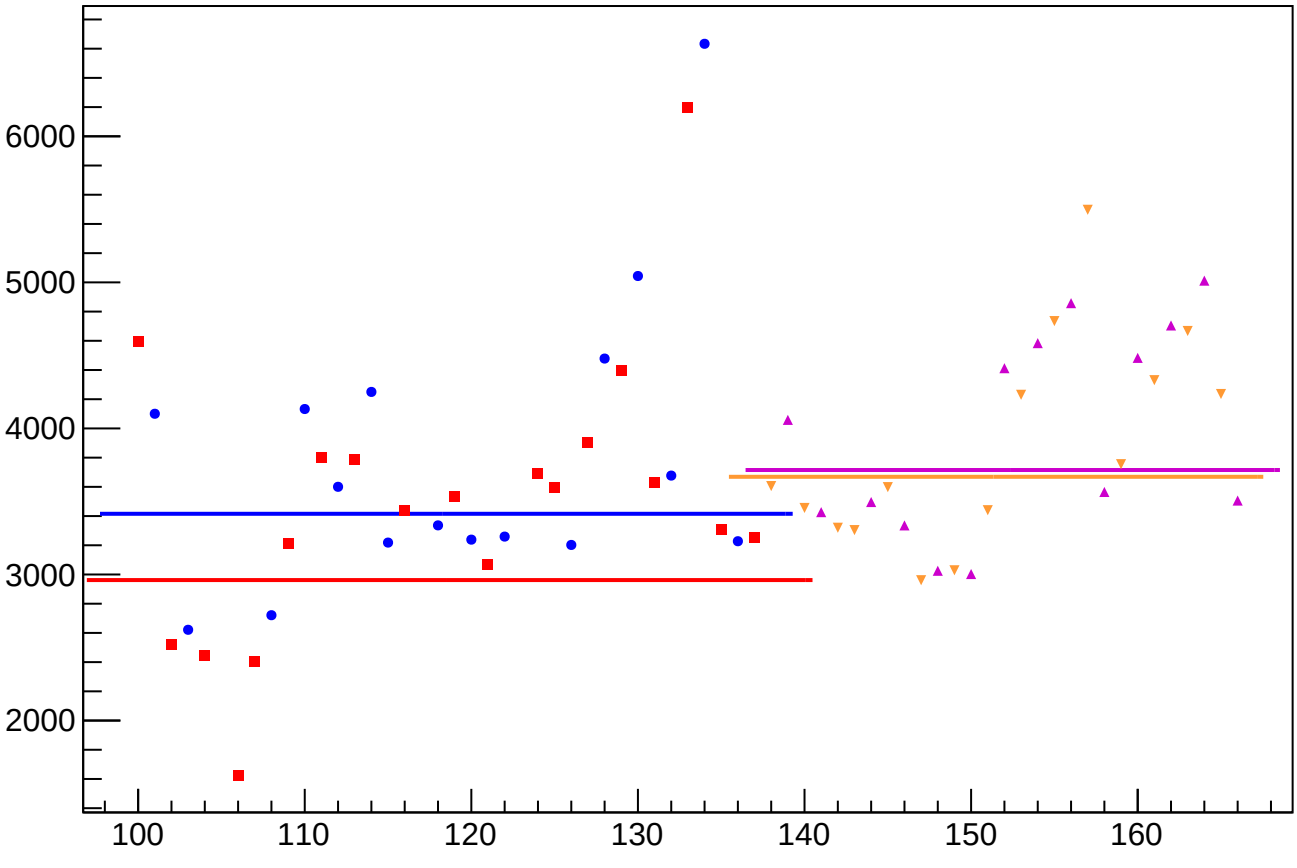
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

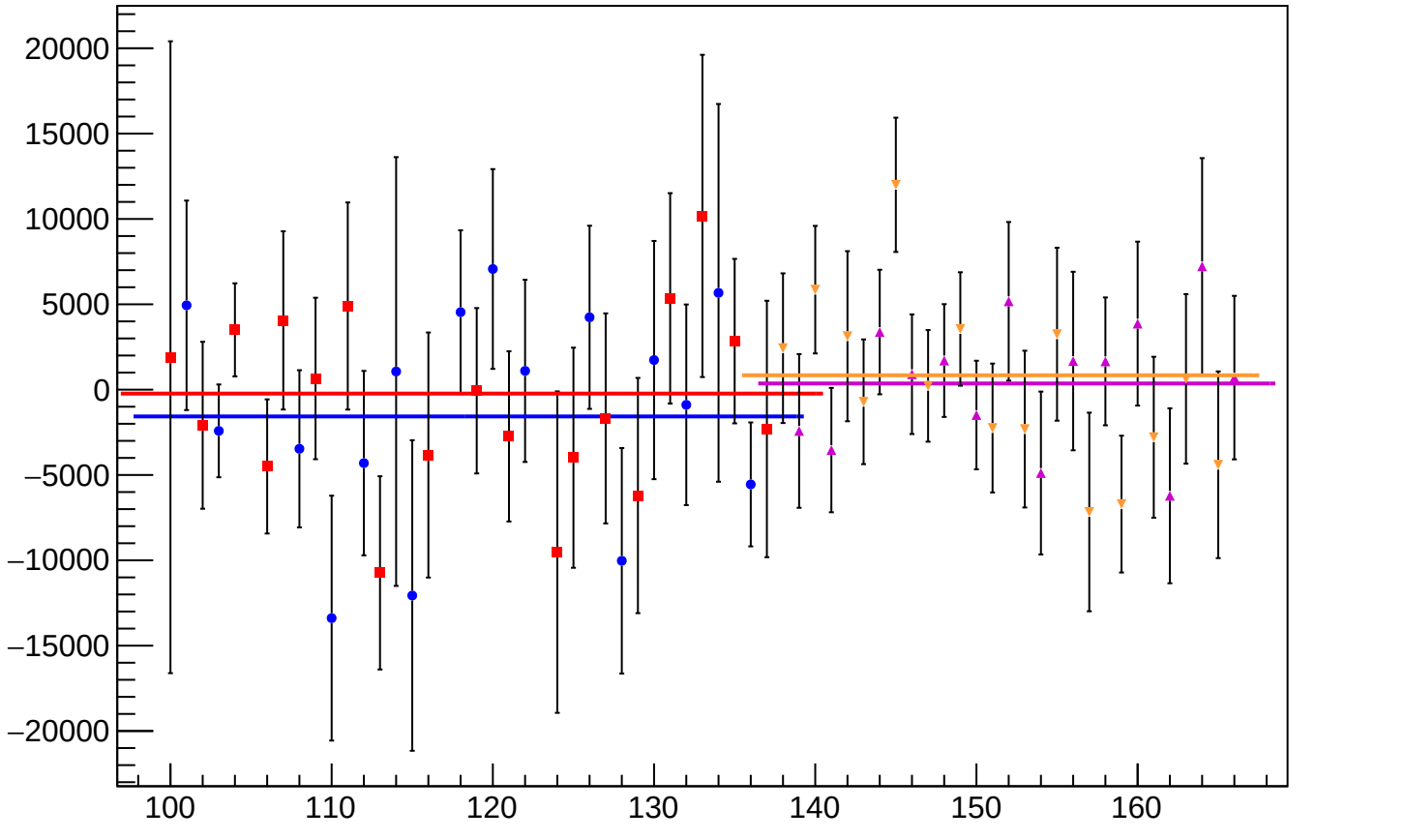
In: 1162.286+/-0.191 χ^2/NDF:701697.3/29

Out: 1156.745+/-0.189 χ^2/NDF:613441.5/33

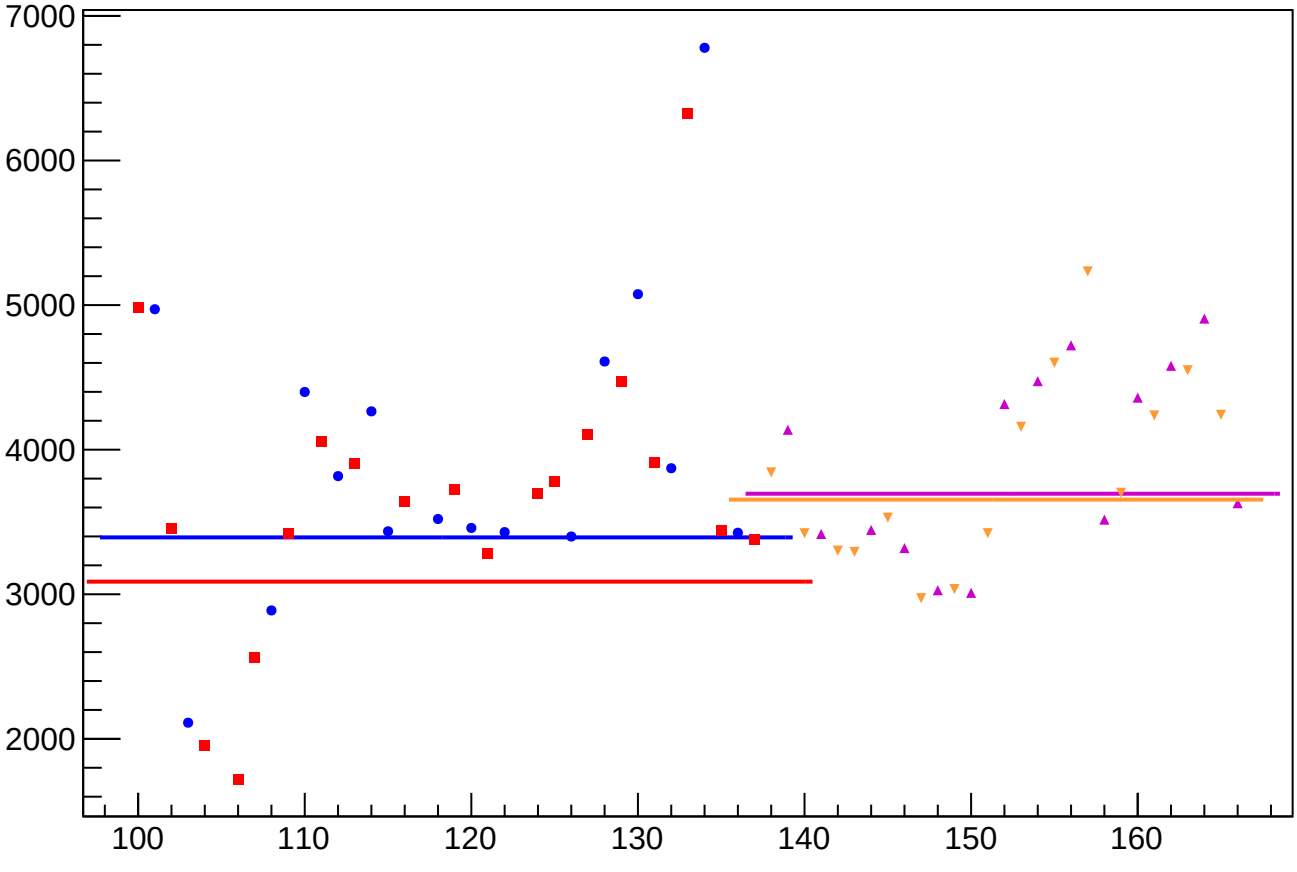
All: 1159.481+/-0.135 χ^2/NDF: 1315563.0/63


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -18.981+/-1088.656 χ²/NDF:18.5/14
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -1006.473+/-1113.018 χ²/NDF:8.9/13
Left: -501.802+/-778.267 χ²/NDF: 27.8/28
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: -150.740+/-846.141 χ²/NDF:24.2/29
Out: -24.350+/-784.252 χ²/NDF:34.6/33
All: -82.754+/-575.186 χ²/NDF: 58.8/63


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3668.839+/-0.770 χ²/NDF:641078.6/14
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3715.349+/-0.787 χ²/NDF:644743.2/13
Left: 3691.579+/-0.550 χ²/NDF: 1287606.7/28
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3588.833+/-0.598 χ²/NDF:1298309.5/29
Out: 3328.718+/-0.555 χ²/NDF:2216150.9/33
All: 3448.916+/-0.407 χ²/NDF: 3616127.2/63


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 841.896+/-1081.632 χ²/NDF:19.4/14
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: 361.459+/-1104.578 χ²/NDF:8.6/13
Left: 606.719+/-772.815 χ²/NDF: 28.1/28
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -438.952+/-845.238 χ²/NDF:24.3/29
Out: 371.528+/-810.605 χ²/NDF:33.1/33
All: -16.768+/-585.045 χ²/NDF: 57.8/63

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3654.700+/-0.765 χ^2/NDF:566668.8/14

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3695.436+/-0.781 χ^2/NDF:579754.1/13

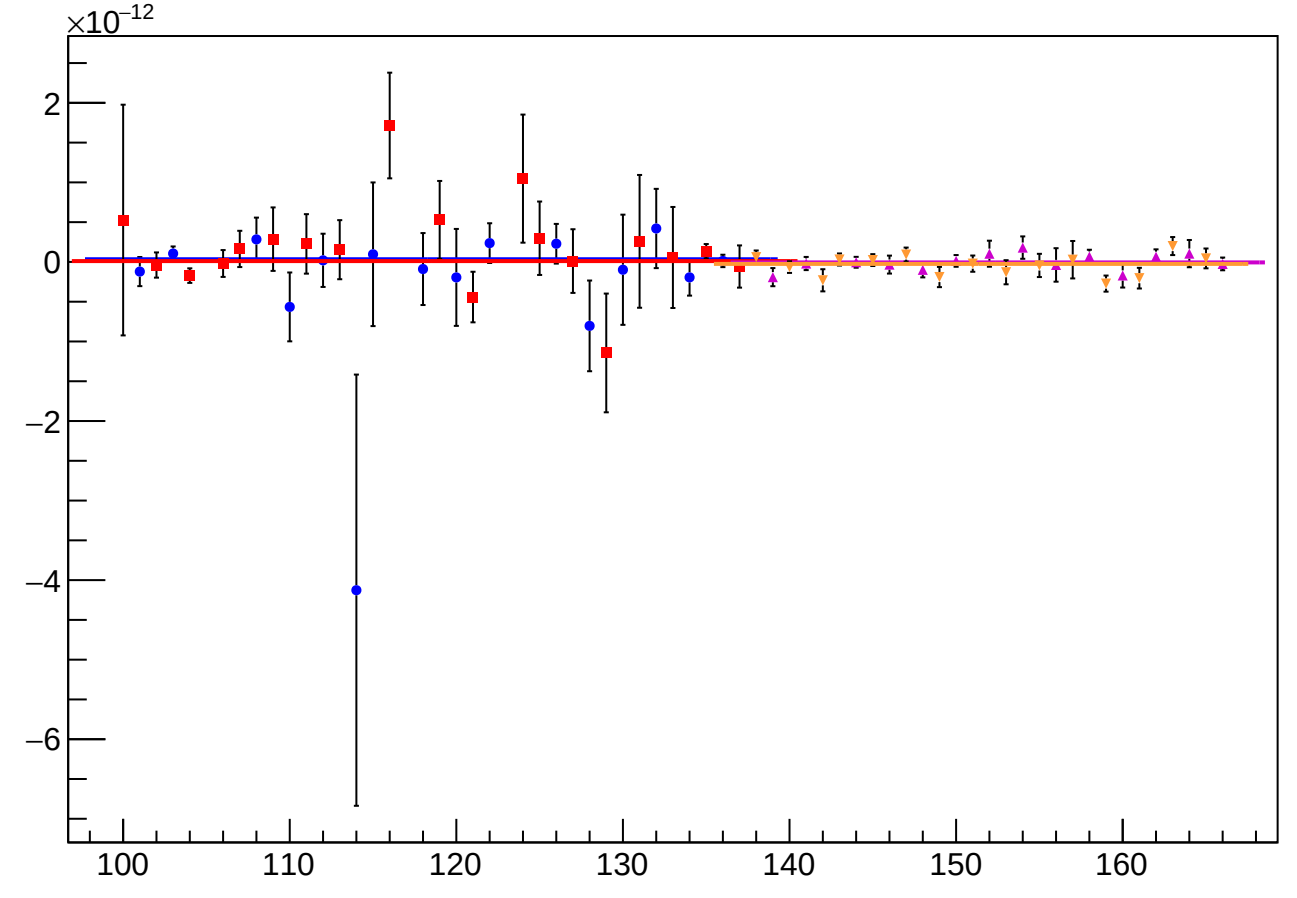
Left: 3674.640+/-0.546 χ^2/NDF: 1147811.5/28

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3570.243+/-0.598 χ^2/NDF:1690452.1/29

Out: 3401.249+/-0.569 χ^2/NDF:2140861.7/33

All: 3481.583+/-0.412 χ^2/NDF: 3873257.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/13

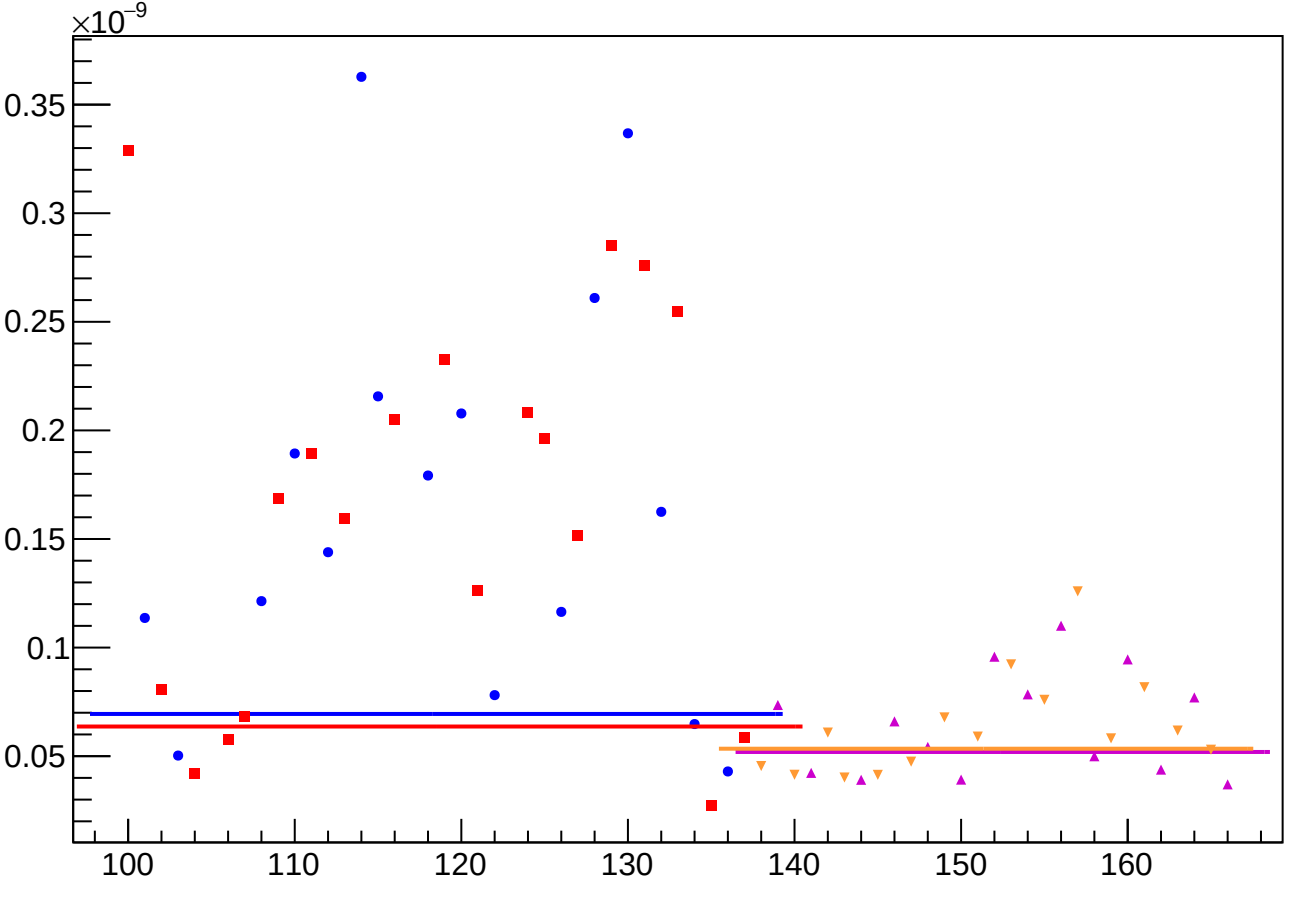
Left: -0.000+/-0.000 χ^2/NDF: 29.8/28

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:21.3/29

Out: -0.000+/-0.000 χ^2/NDF:42.9/33

All: -0.000+/-0.000 χ^2/NDF: 64.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710311.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:915080.1/13

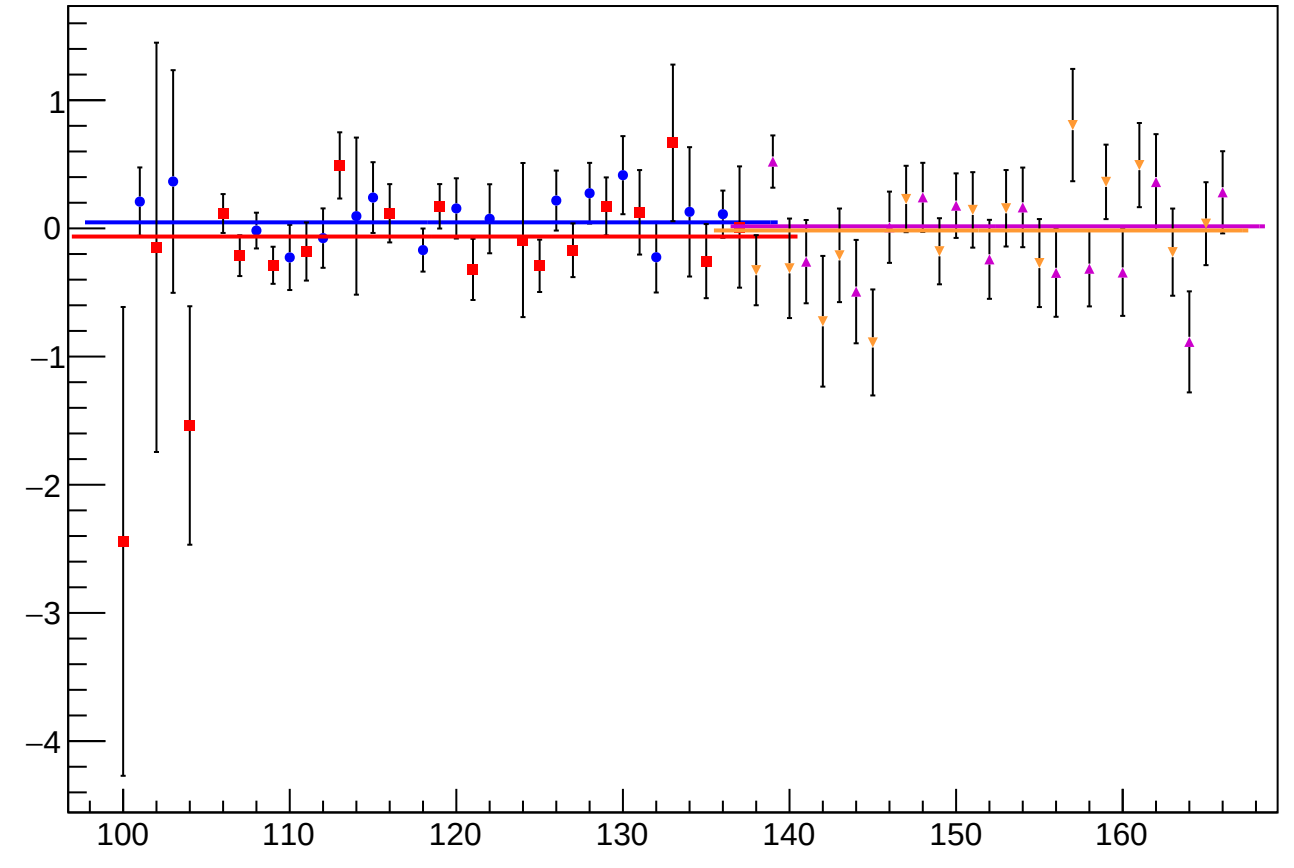
Left: 0.000+/-0.000 χ^2/NDF: 1628595.8/28

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2841837.0/29

Out: 0.000+/-0.000 χ^2/NDF:3026838.1/33

All: 0.000+/-0.000 χ^2/NDF: 5868779.8/63



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

Left: 0.001+/-0.058 χ^2/NDF: 39.8/28

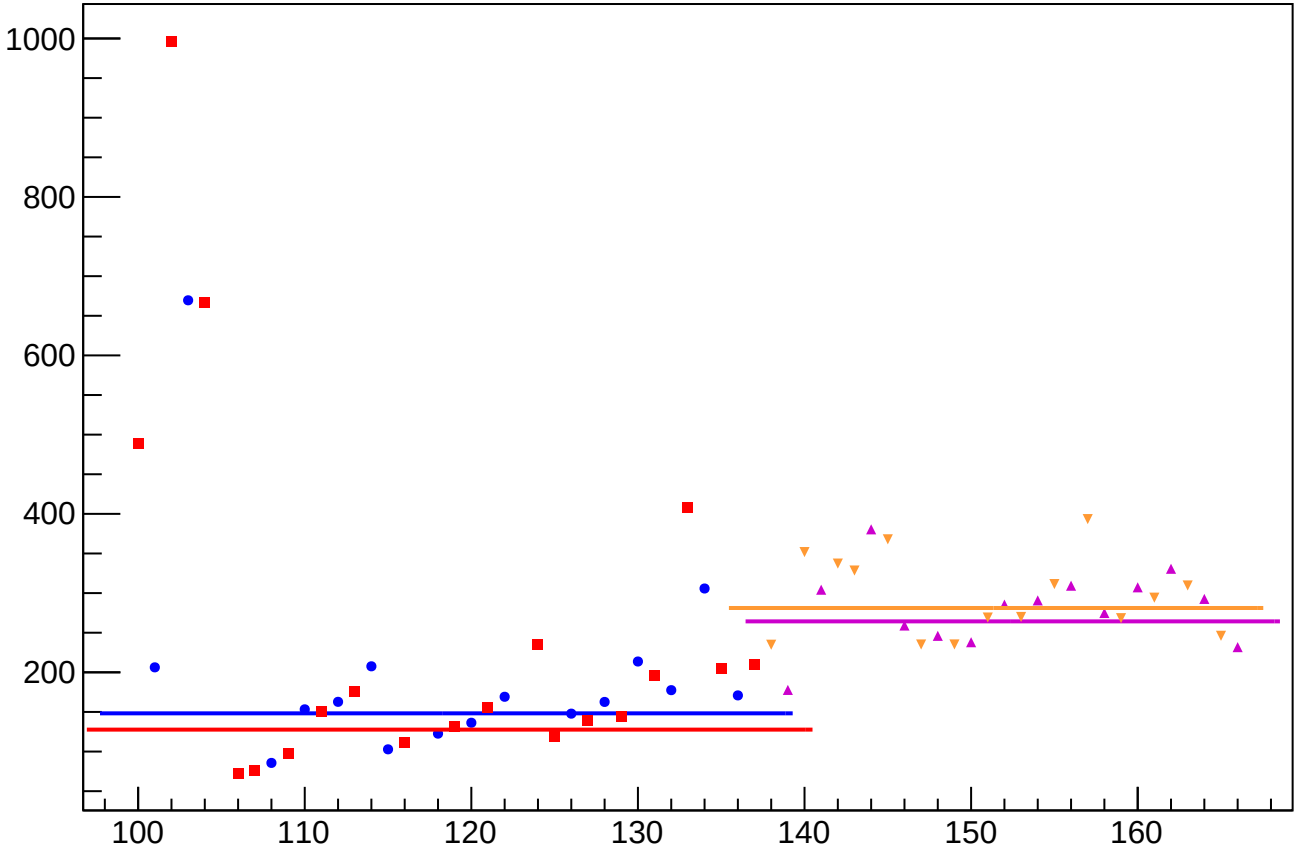
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.009+/-0.033 χ^2/NDF: 72.5/63

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 264.308+/-0.057 χ^2/NDF:775119.4/13

Left: 272.406+/-0.041 χ^2/NDF: 1411046.3/28

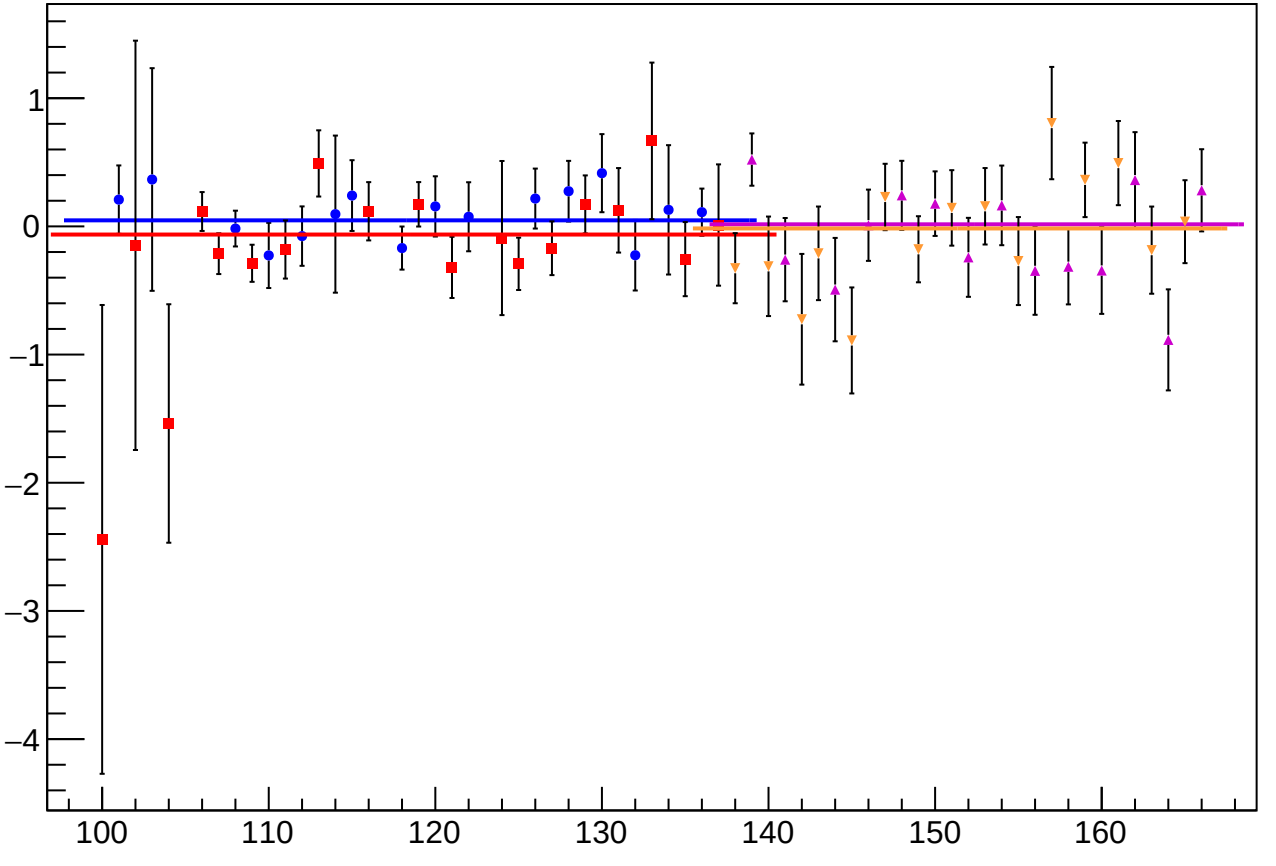
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.869+/-0.034 χ^2/NDF:5166889.0/29

Out: 173.636+/-0.032 χ^2/NDF:8156044.8/33

All: 181.352+/-0.023 χ^2/NDF: 13442578.1/63

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

Left: 0.001+/-0.058 χ^2/NDF: 39.8/28

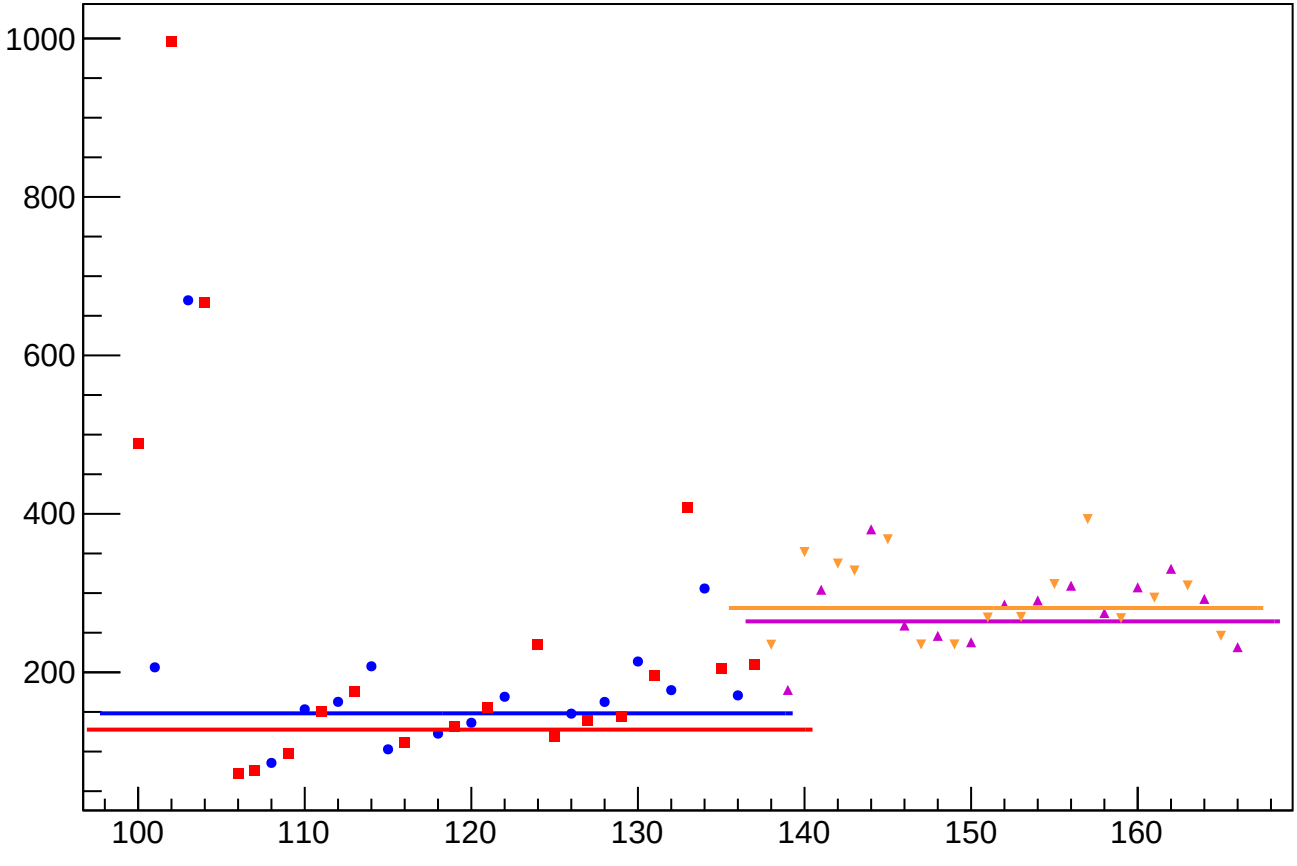
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.009+/-0.033 χ^2/NDF: 72.5/63

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 264.308+/-0.057 χ^2/NDF:775119.4/13

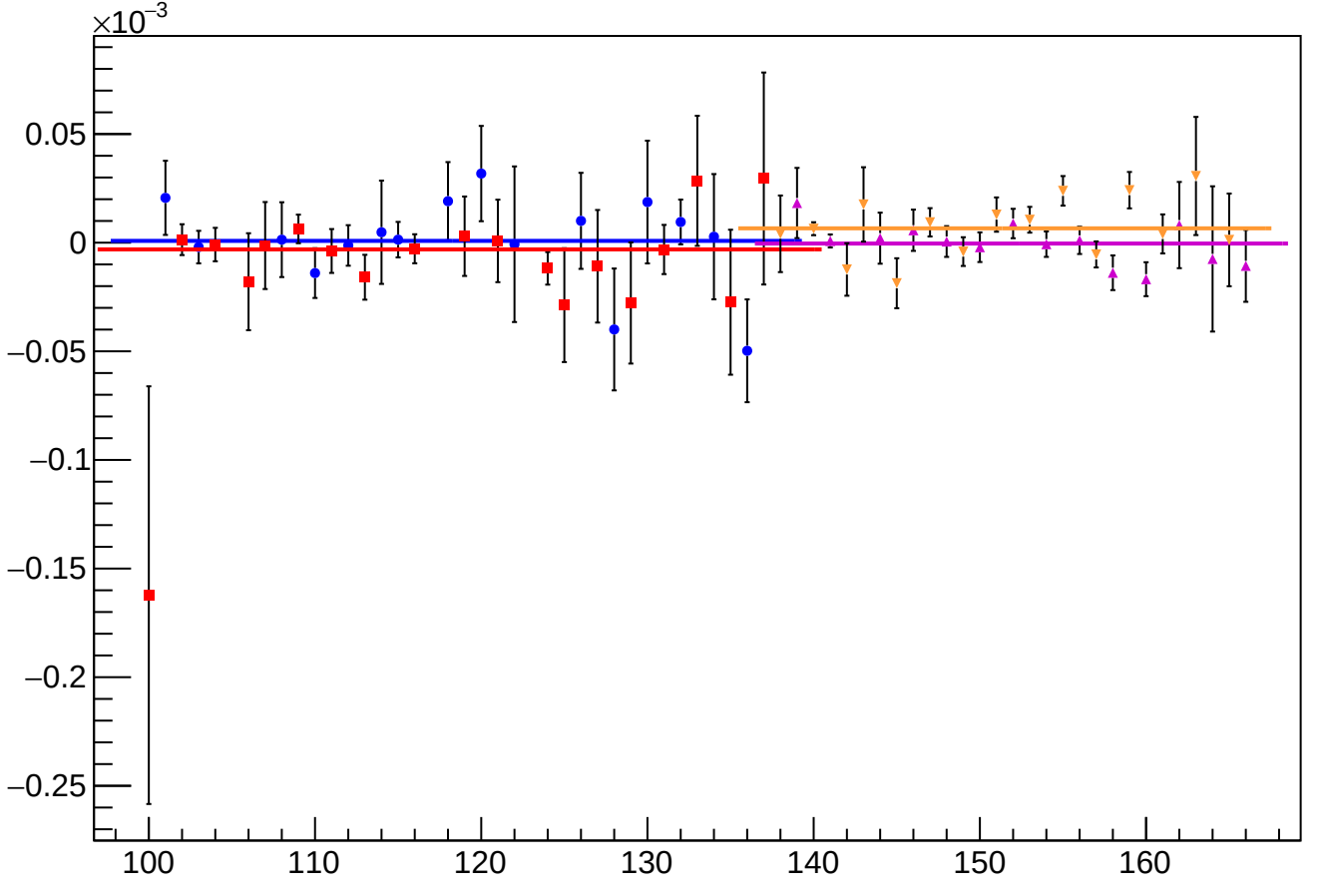
Left: 272.406+/-0.041 χ^2/NDF: 1411046.3/28

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.869+/-0.034 χ^2/NDF:5166889.0/29

Out: 173.636+/-0.032 χ^2/NDF:8156044.8/33

All: 181.352+/-0.023 χ^2/NDF: 13442578.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/13

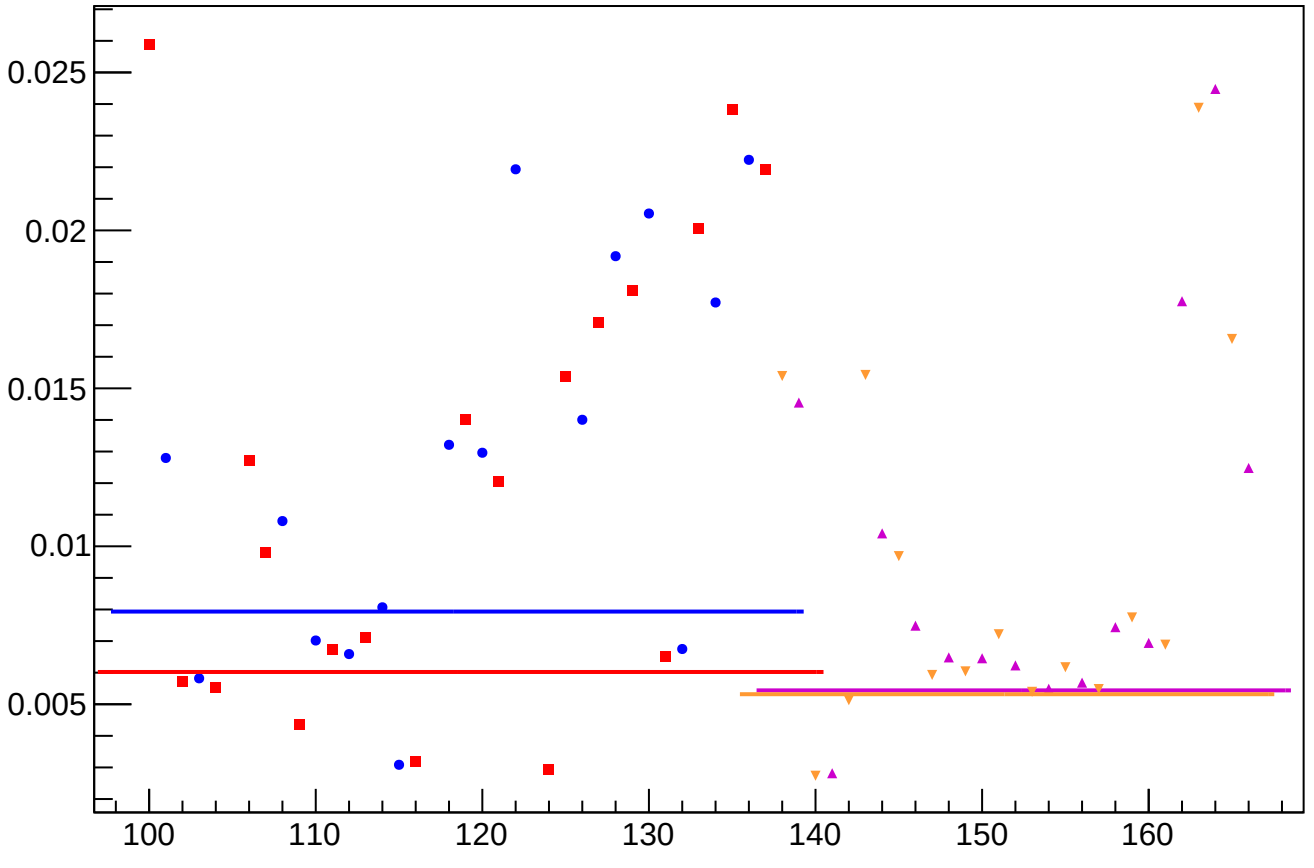
Left: 0.000+/-0.000 χ^2/NDF: 46.5/28

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/29

Out: 0.000+/-0.000 χ^2/NDF:49.3/33

All: 0.000+/-0.000 χ^2/NDF: 78.1/63



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5037431.2/14

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4713799.5/13

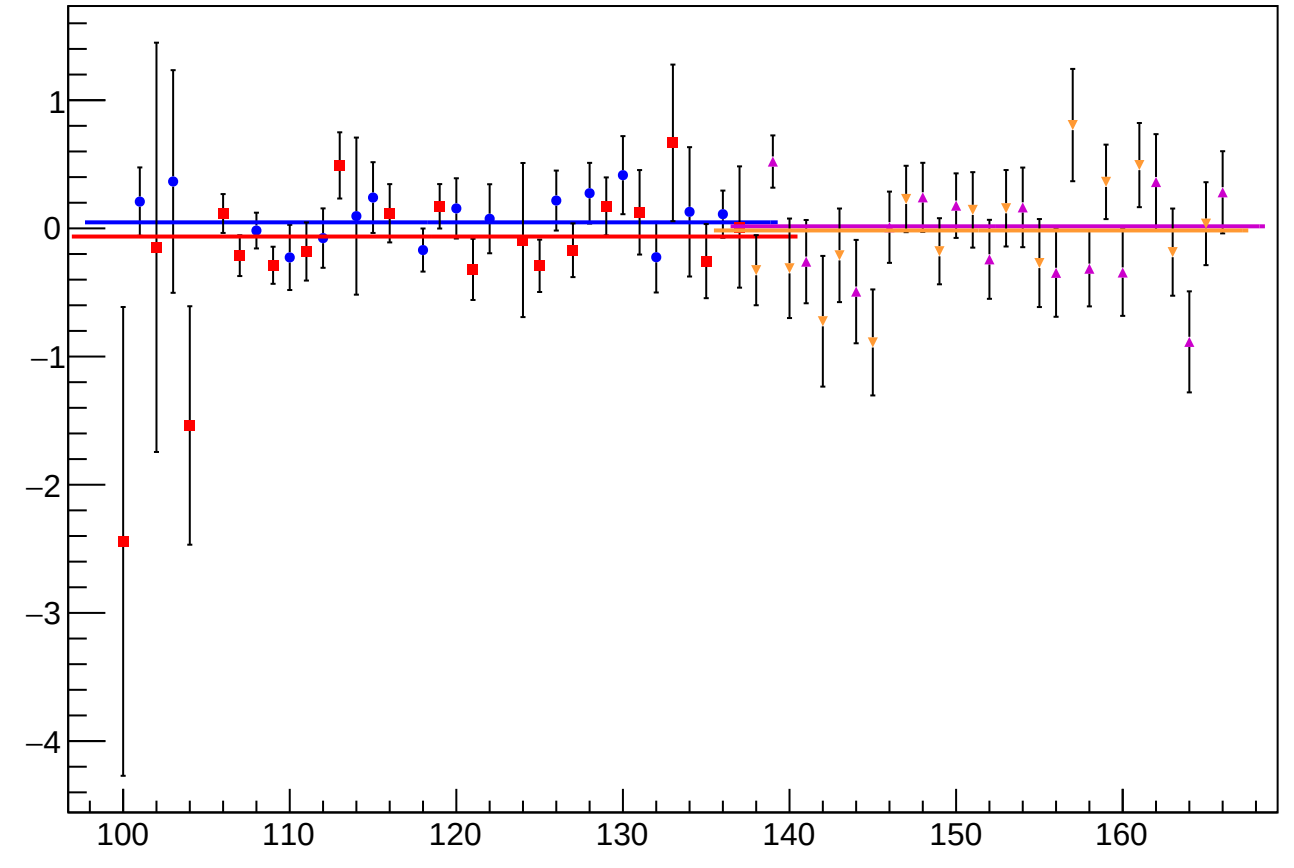
Left: 0.005+/-0.000 χ^2/NDF: 9755571.7/28

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9098341.4/29

Out: 0.006+/-0.000 χ^2/NDF:9143719.4/33

All: 0.006+/-0.000 χ^2/NDF: 18325259.3/63



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.016+/-0.080 χ^2/NDF:20.8/13

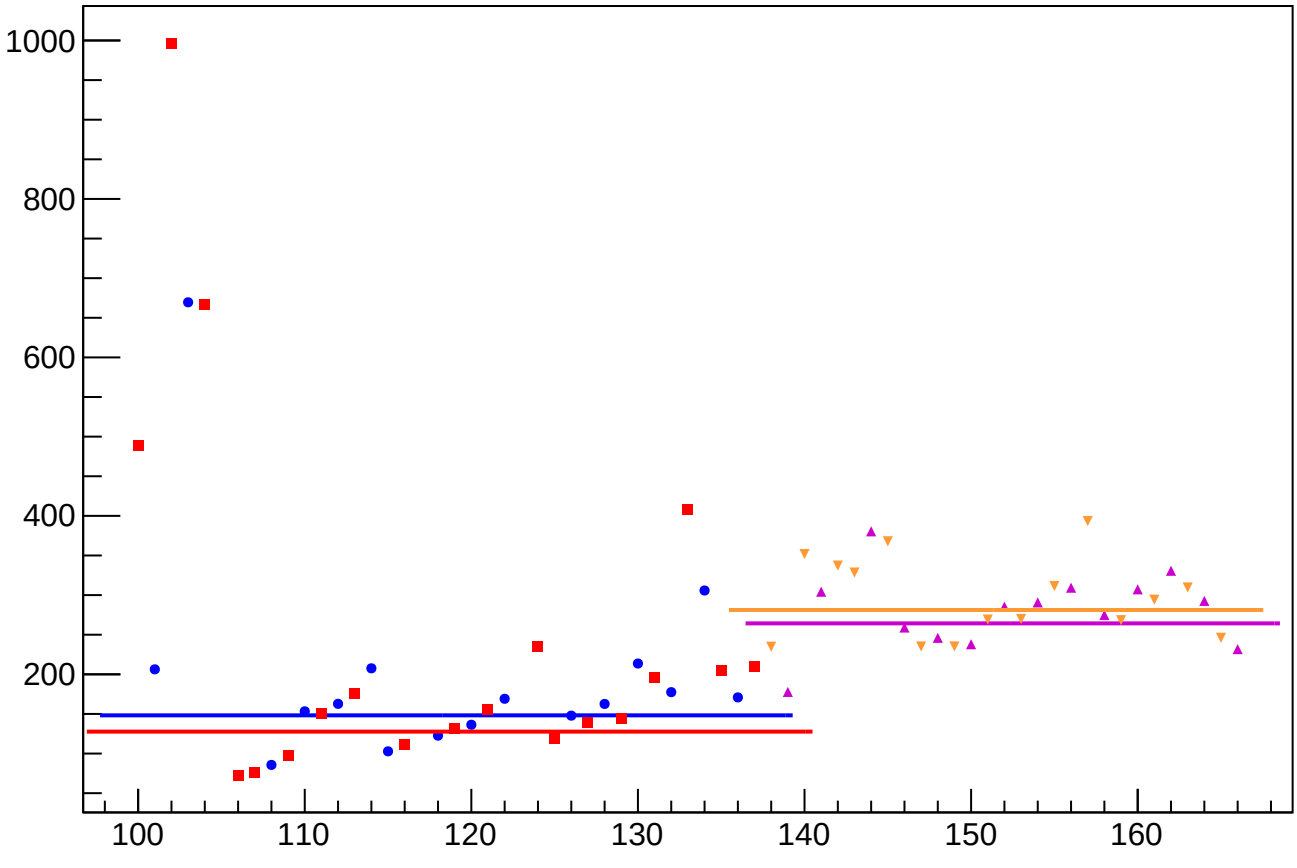
Left: 0.001+/-0.058 χ^2/NDF: 39.8/28

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.036+/-0.048 χ^2/NDF:29.4/29

Out: -0.049+/-0.046 χ^2/NDF:41.4/33

All: -0.009+/-0.033 χ^2/NDF: 72.5/63



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 264.312+/-0.057 χ^2/NDF:775091.9/13

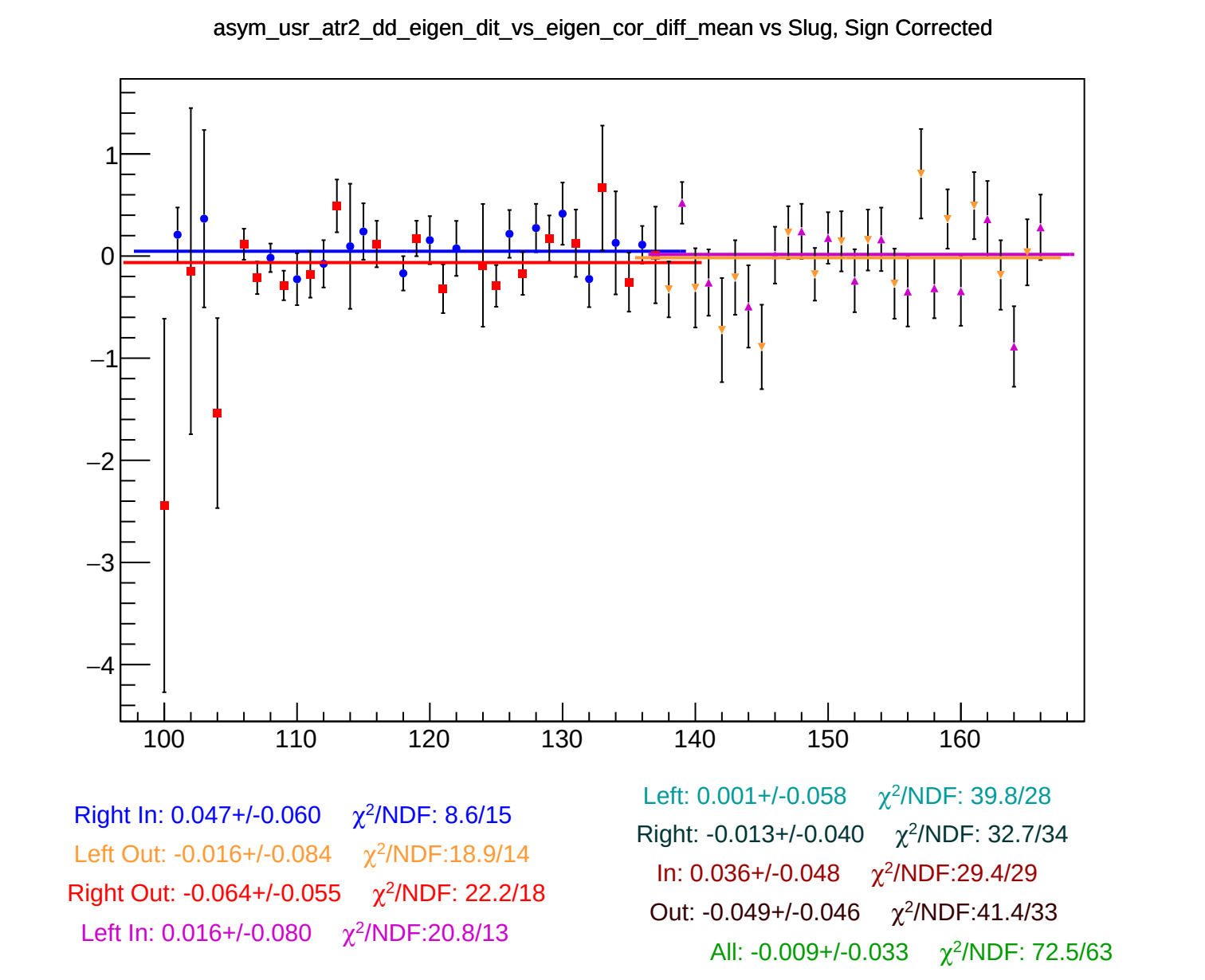
Left: 272.410+/-0.041 χ^2/NDF: 1410988.8/28

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

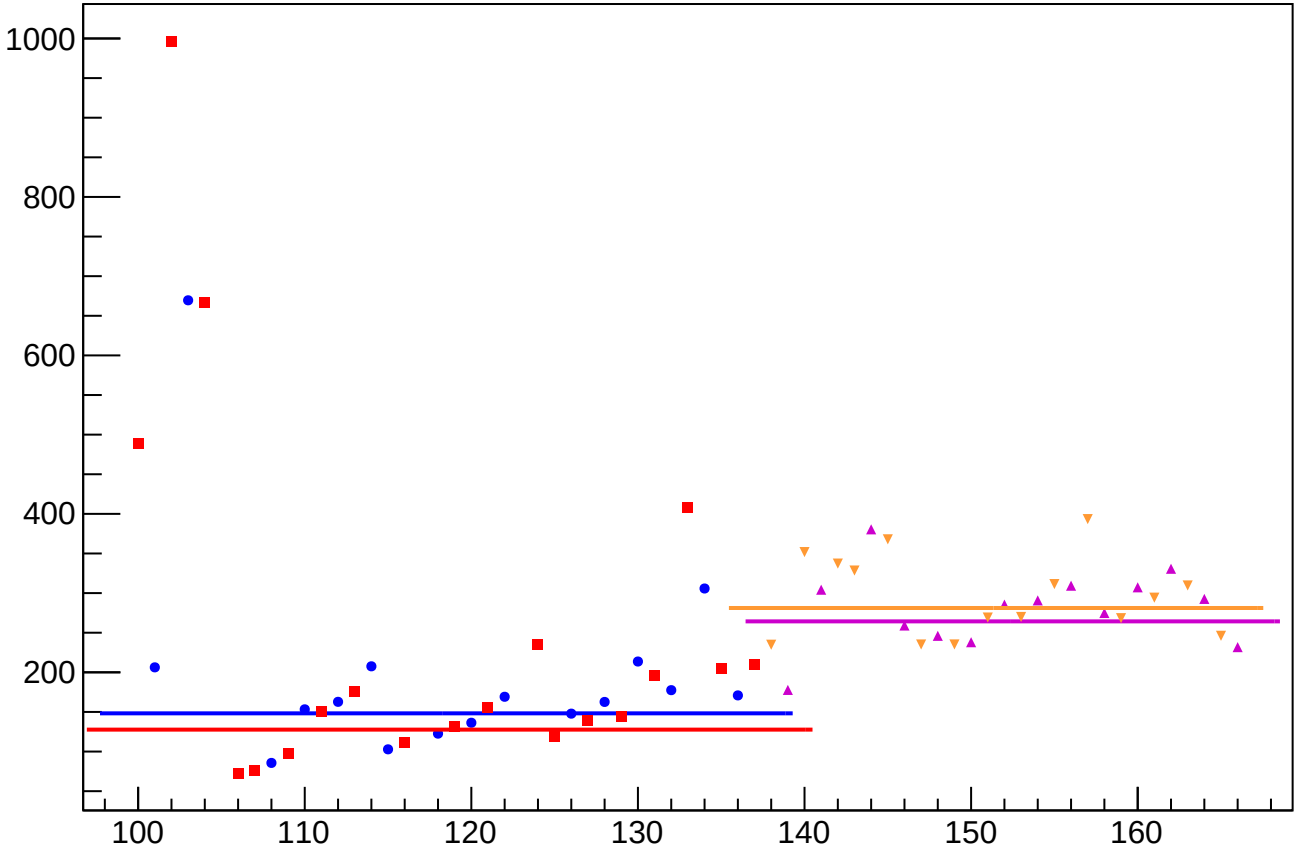
In: 189.867+/-0.034 χ^2/NDF:5167193.1/29

Out: 173.636+/-0.032 χ^2/NDF:8156168.4/33

All: 181.352+/-0.023 χ^2/NDF: 13442974.7/63


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.016+/-0.084 χ²/NDF:18.9/14
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.016+/-0.080 χ²/NDF:20.8/13
Left: 0.001+/-0.058 χ²/NDF: 39.8/28
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.036+/-0.048 χ²/NDF:29.4/29
Out: -0.049+/-0.046 χ²/NDF:41.4/33
All: -0.009+/-0.033 χ²/NDF: 72.5/63

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 264.312+/-0.057 χ^2/NDF:775091.9/13

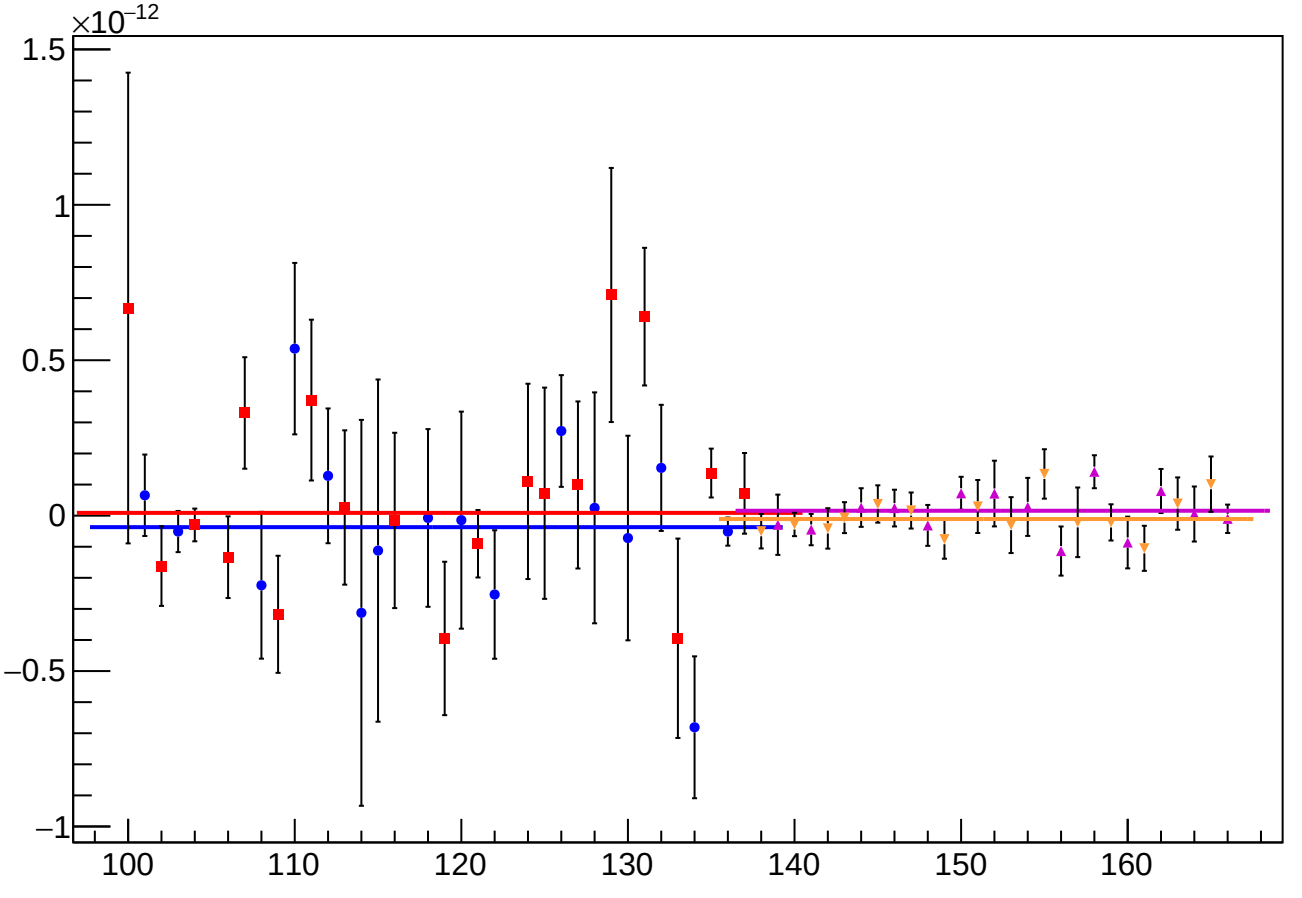
Left: 272.410+/-0.041 χ^2/NDF: 1410988.8/28

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.867+/-0.034 χ^2/NDF:5167193.1/29

Out: 173.636+/-0.032 χ^2/NDF:8156168.4/33

All: 181.352+/-0.023 χ^2/NDF: 13442974.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/13

Left: 0.000+/-0.000 χ^2/NDF: 26.0/28

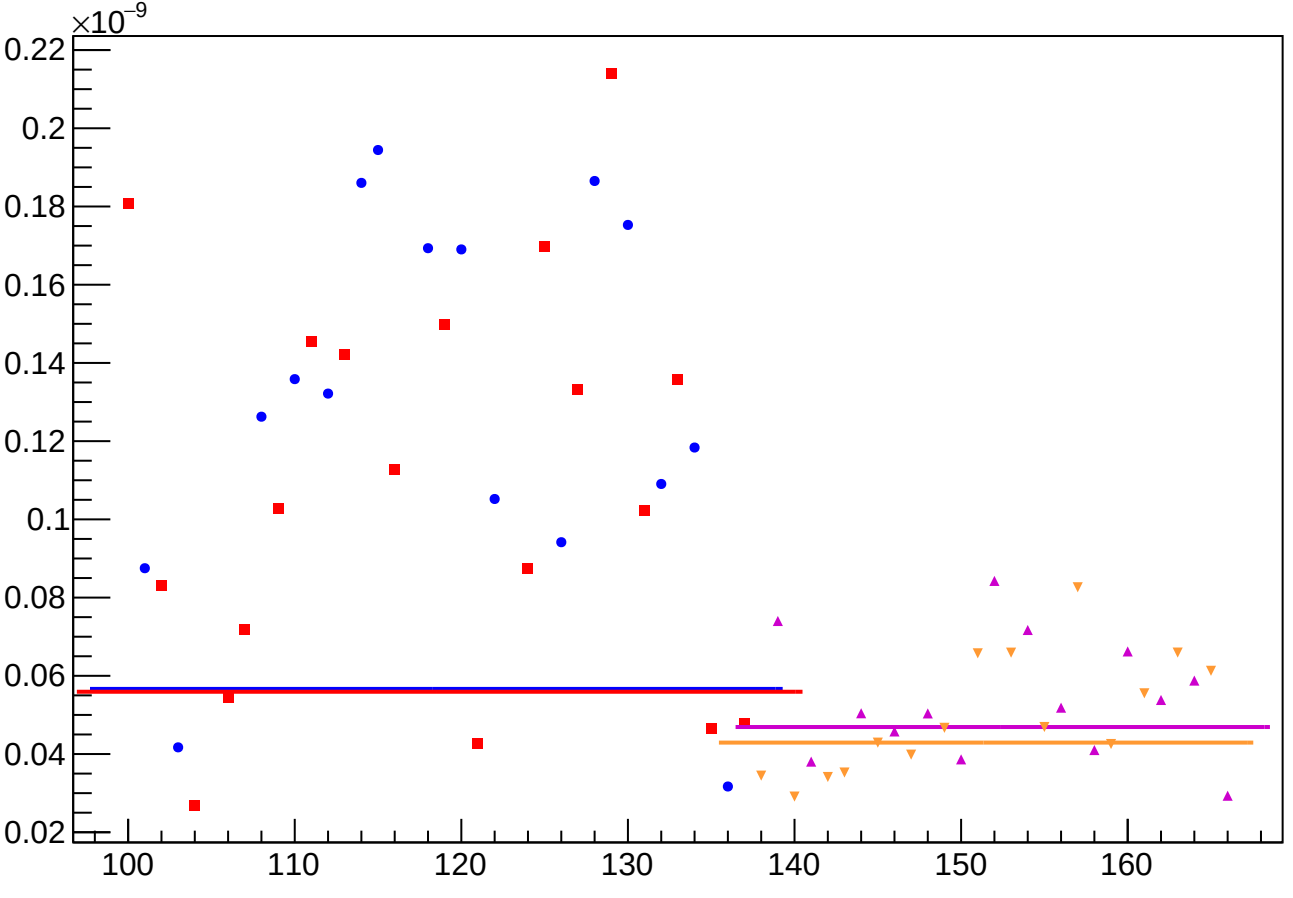
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:36.1/29

Out: -0.000+/-0.000 χ^2/NDF:42.2/33

All: -0.000+/-0.000 χ^2/NDF: 78.6/63

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1238118.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1161932.2/13

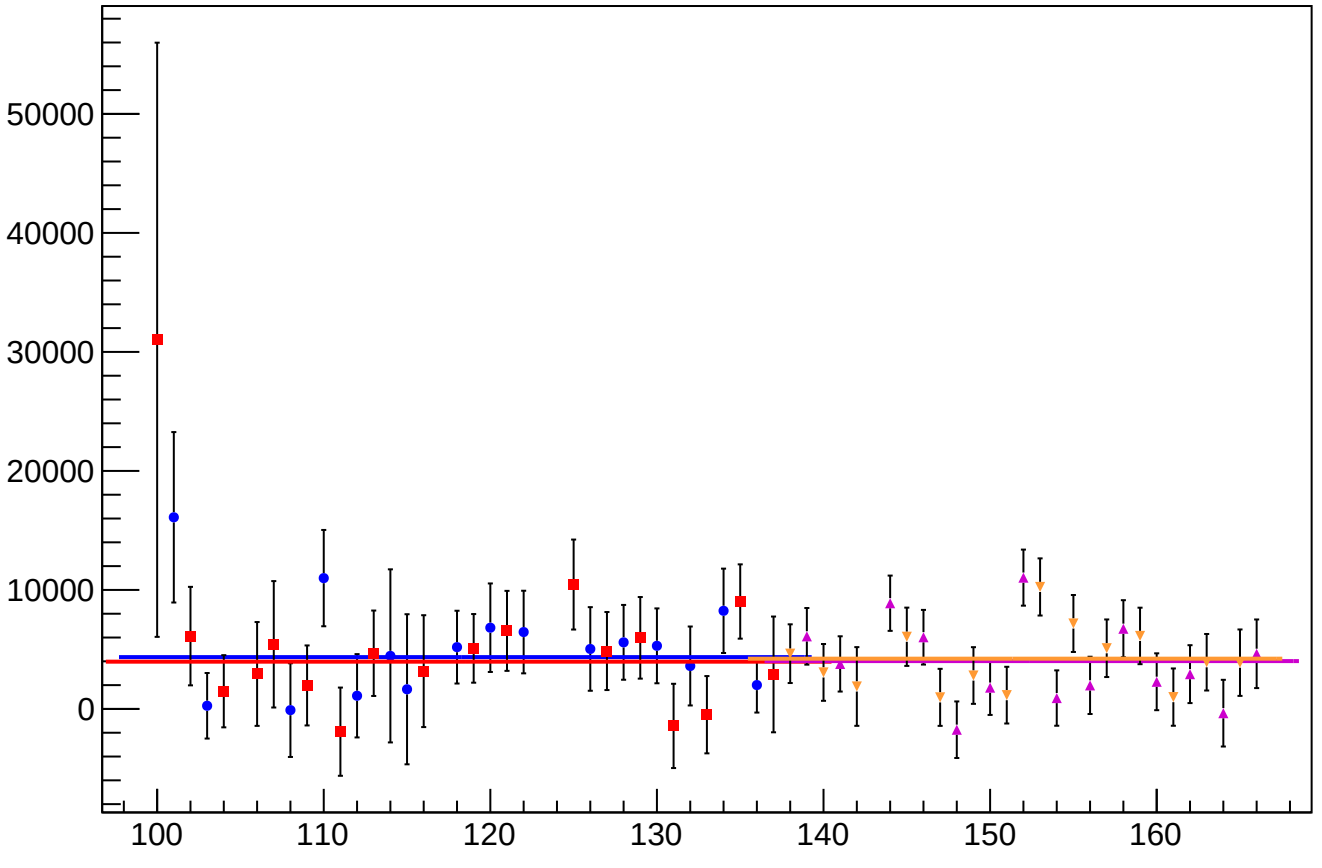
Left: 0.000+/-0.000 χ^2/NDF: 2455777.2/28

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4417157.9/29

Out: 0.000+/-0.000 χ^2/NDF:4232891.2/33

All: 0.000+/-0.000 χ^2/NDF: 8705222.7/63



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.437+/-659.477 χ^2/NDF:15.6/13

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4019.683+/-644.513 χ^2/NDF:28.6/13

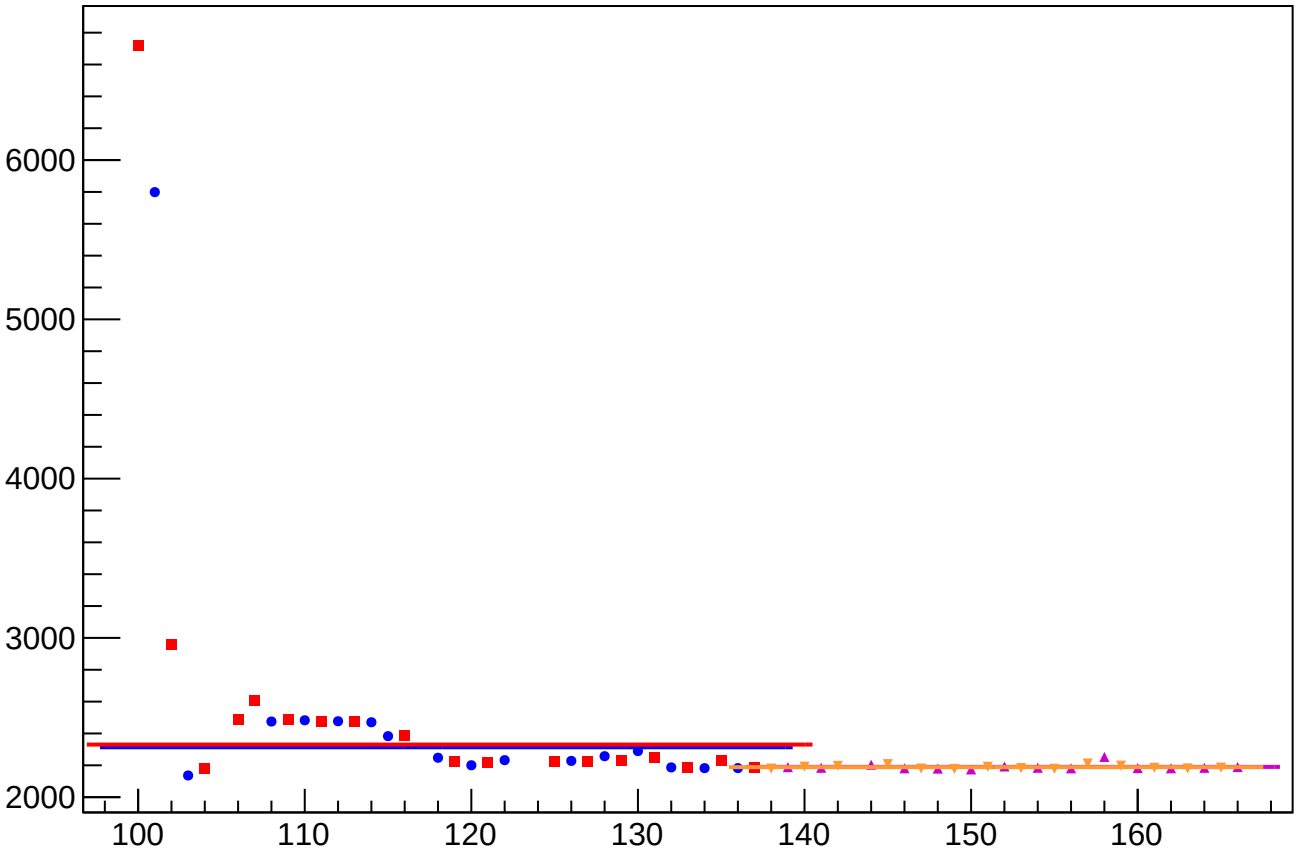
Left: 4119.222+/-460.939 χ^2/NDF: 44.3/27

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4137.367+/-518.964 χ^2/NDF:42.1/29

Out: 4131.741+/-525.839 χ^2/NDF:31.8/31

All: 4134.591+/-369.370 χ^2/NDF: 73.9/61



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

Left: 2189.271+/-0.326 χ^2/NDF: 2229.0/27

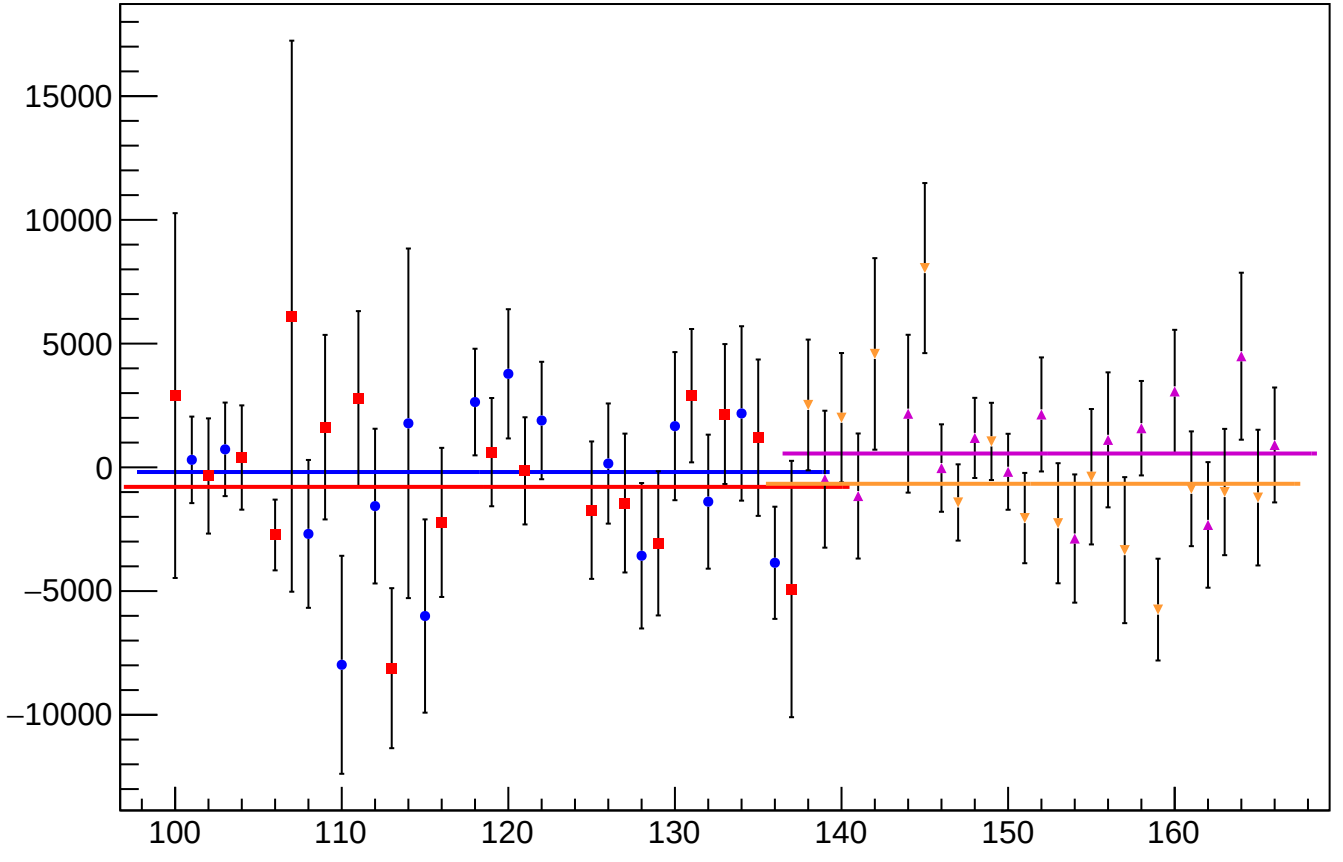
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2233.458+/-0.367 χ^2/NDF:539821.6/29

Out: 2240.054+/-0.372 χ^2/NDF:185404.1/31

All: 2236.713+/-0.261 χ^2/NDF: 725385.2/61

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -664.397+/-608.529 χ^2/NDF:20.2/13

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 559.078+/-592.539 χ^2/NDF:7.6/13

Left: -36.374+/-424.529 χ^2/NDF: 29.9/27

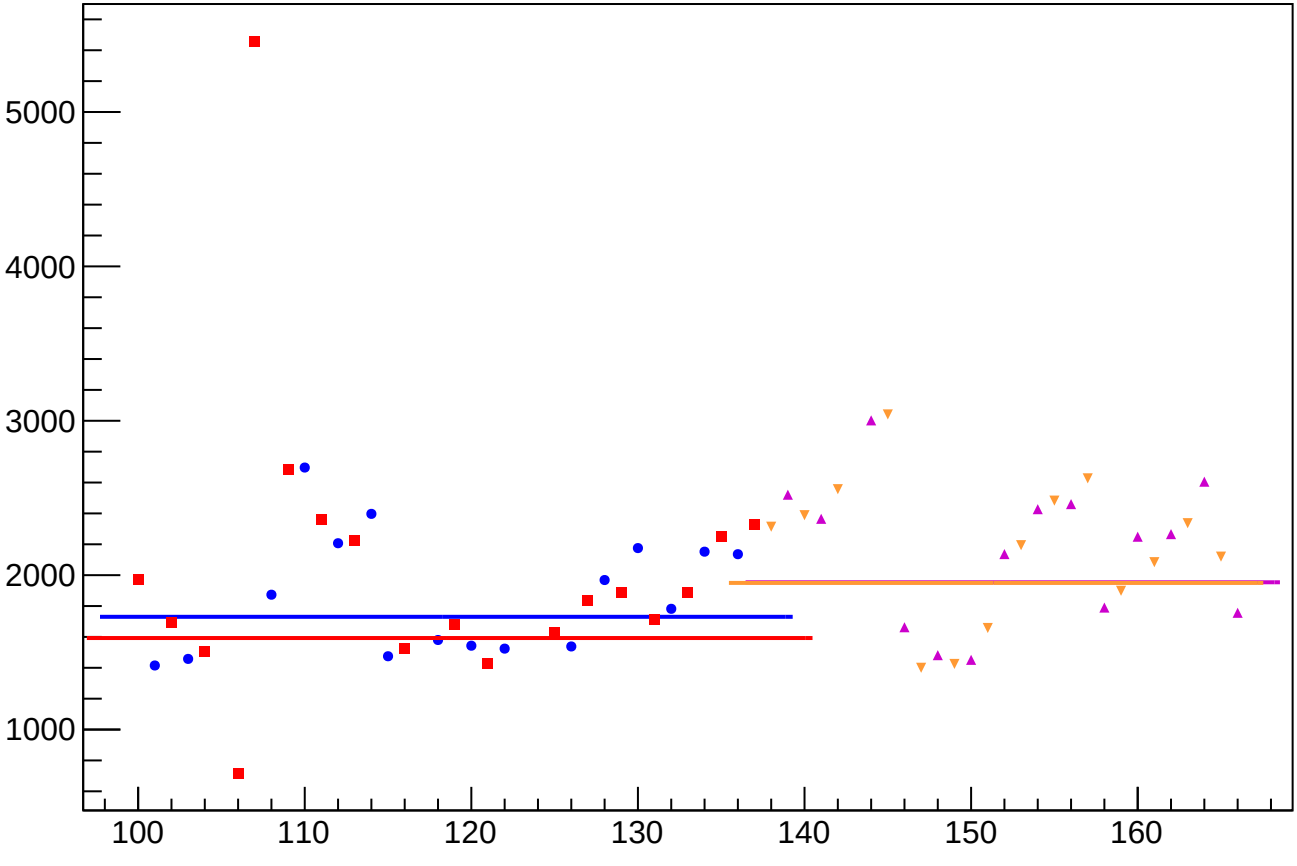
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 224.431+/-440.418 χ^2/NDF:24.7/29

Out: -724.209+/-439.322 χ^2/NDF:35.2/31

All: -251.070+/-311.034 χ^2/NDF: 62.2/61

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1949.874+/-0.430 χ^2/NDF:1140343.1/13

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1953.940+/-0.419 χ^2/NDF:1102241.6/13

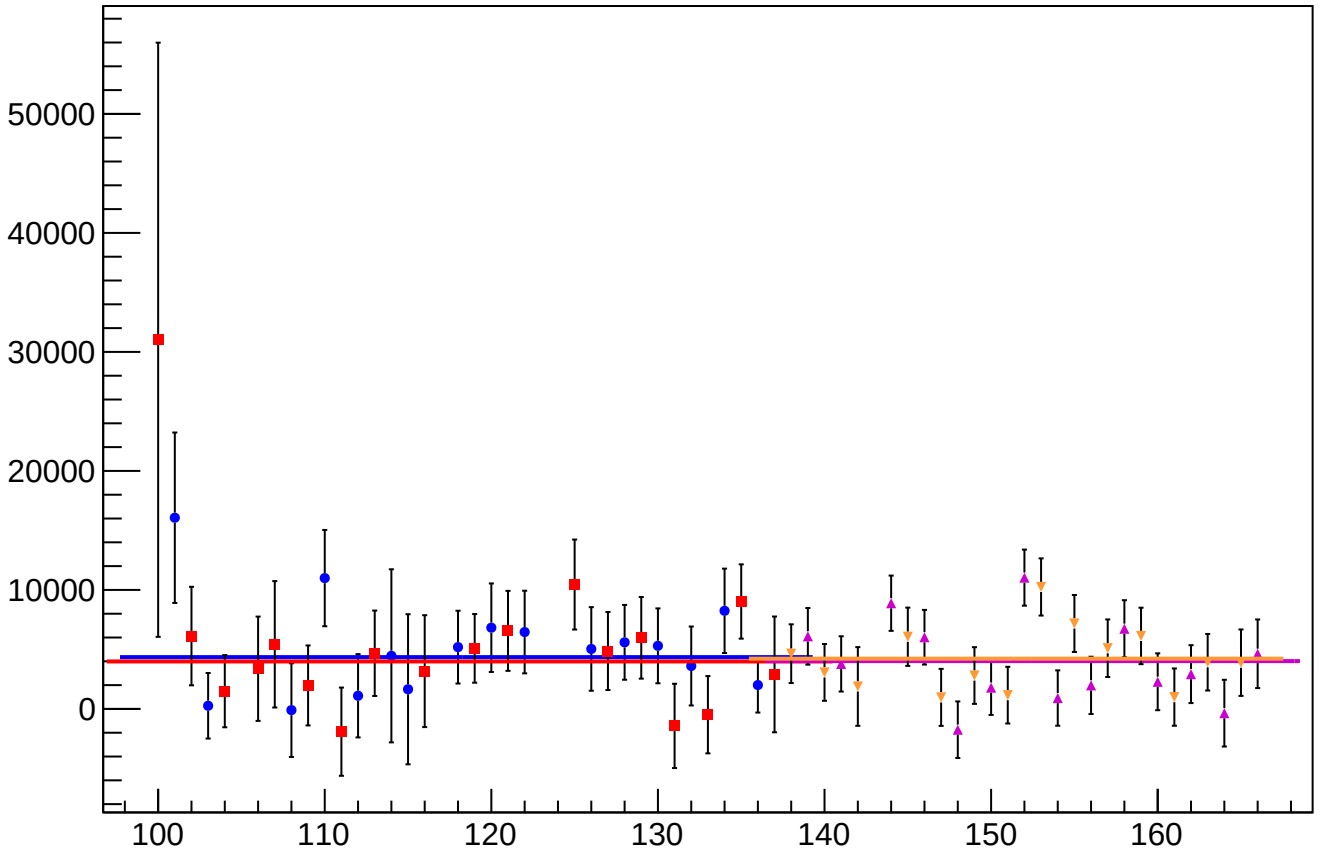
Left: 1951.961+/-0.300 χ^2/NDF: 2242630.6/27

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1853.846+/-0.311 χ^2/NDF:1708694.9/29

Out: 1778.918+/-0.311 χ^2/NDF:3026218.7/31

All: 1816.289+/-0.220 χ^2/NDF: 4763929.4/61



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4019.821+/-644.513 χ^2/NDF:28.6/13

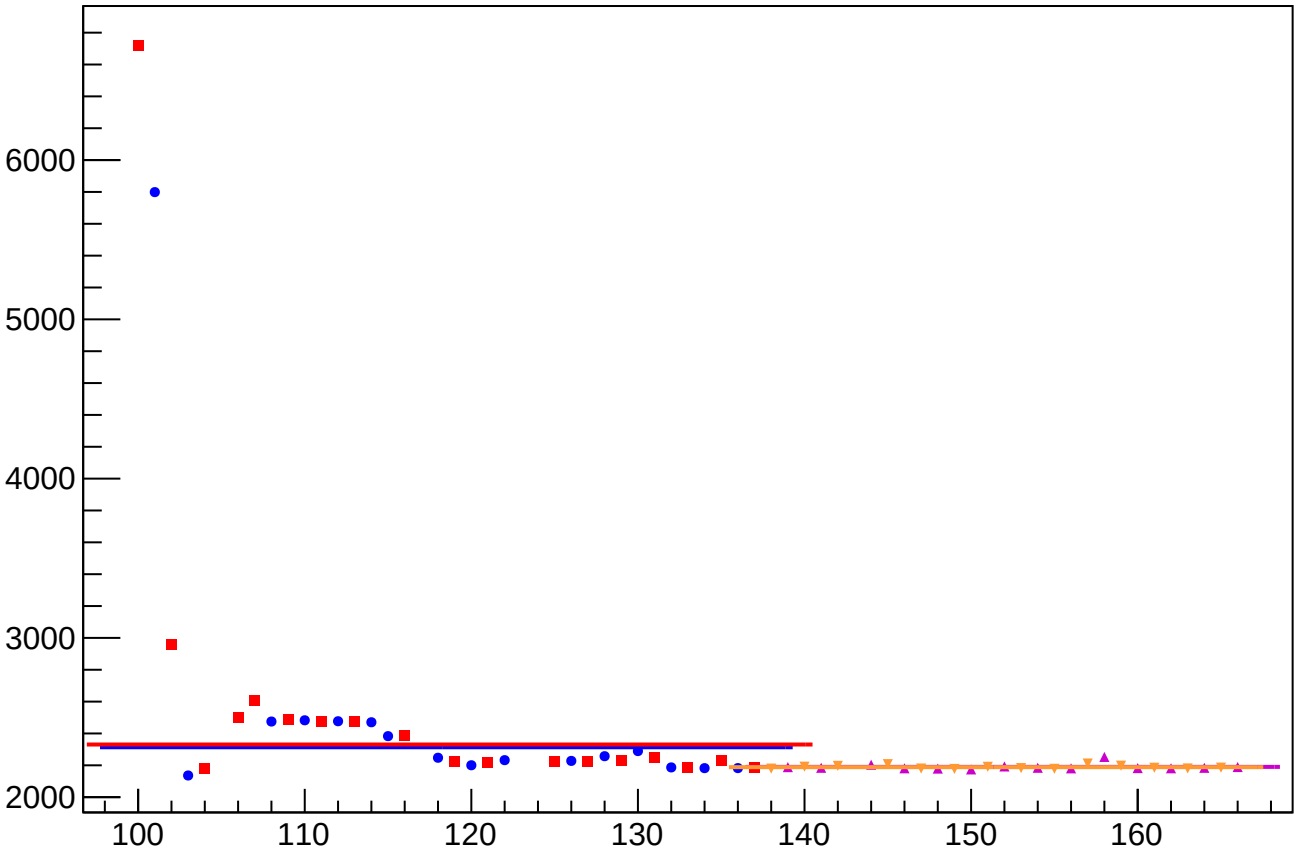
Left: 4119.246+/-460.939 χ^2/NDF: 44.3/27

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.217+/-518.964 χ^2/NDF:42.1/29

Out: 4138.330+/-525.872 χ^2/NDF:31.8/31

All: 4137.767+/-369.381 χ^2/NDF: 73.8/61



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

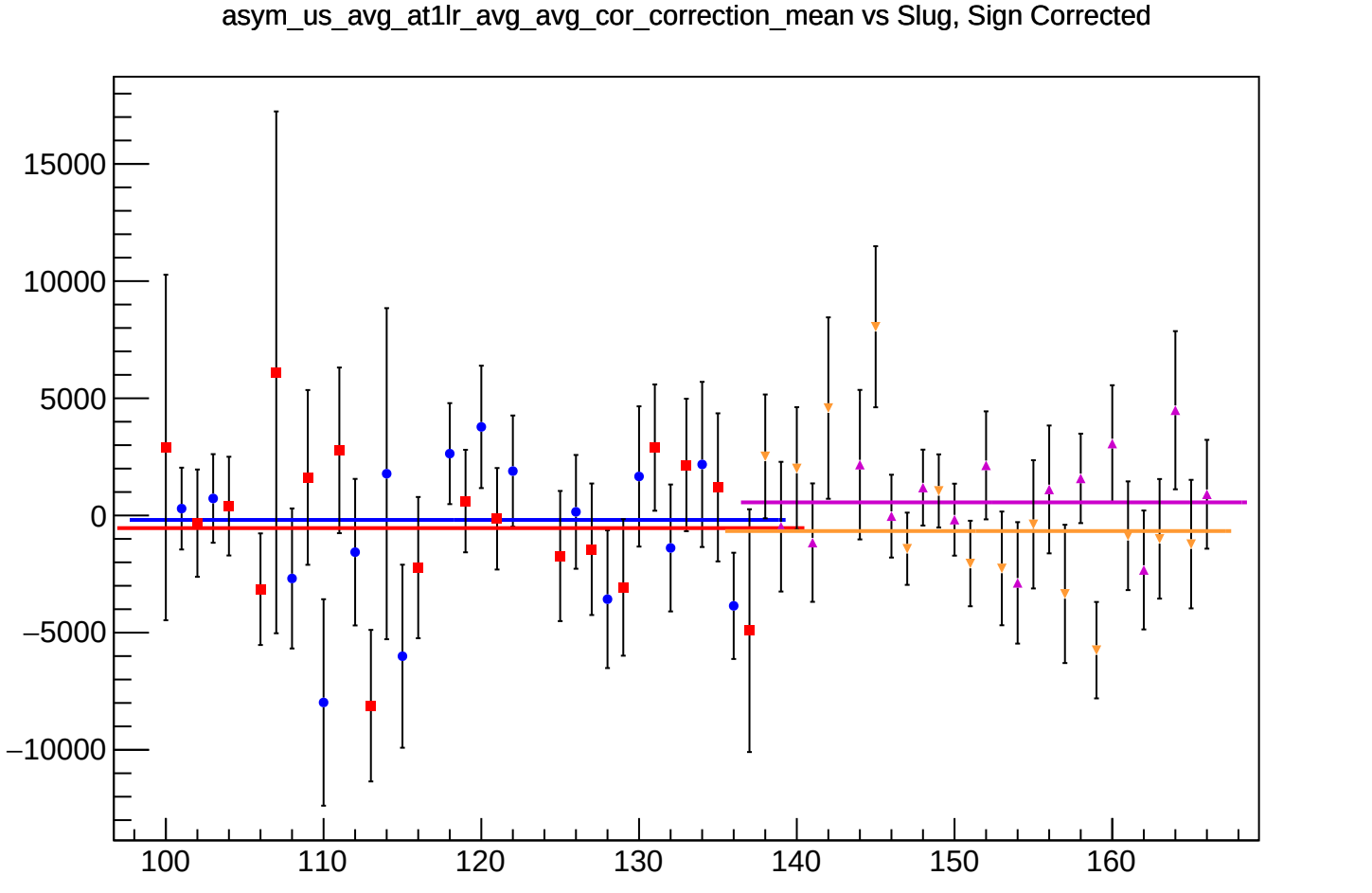
Left: 2189.271+/-0.326 χ^2/NDF: 2229.0/27

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

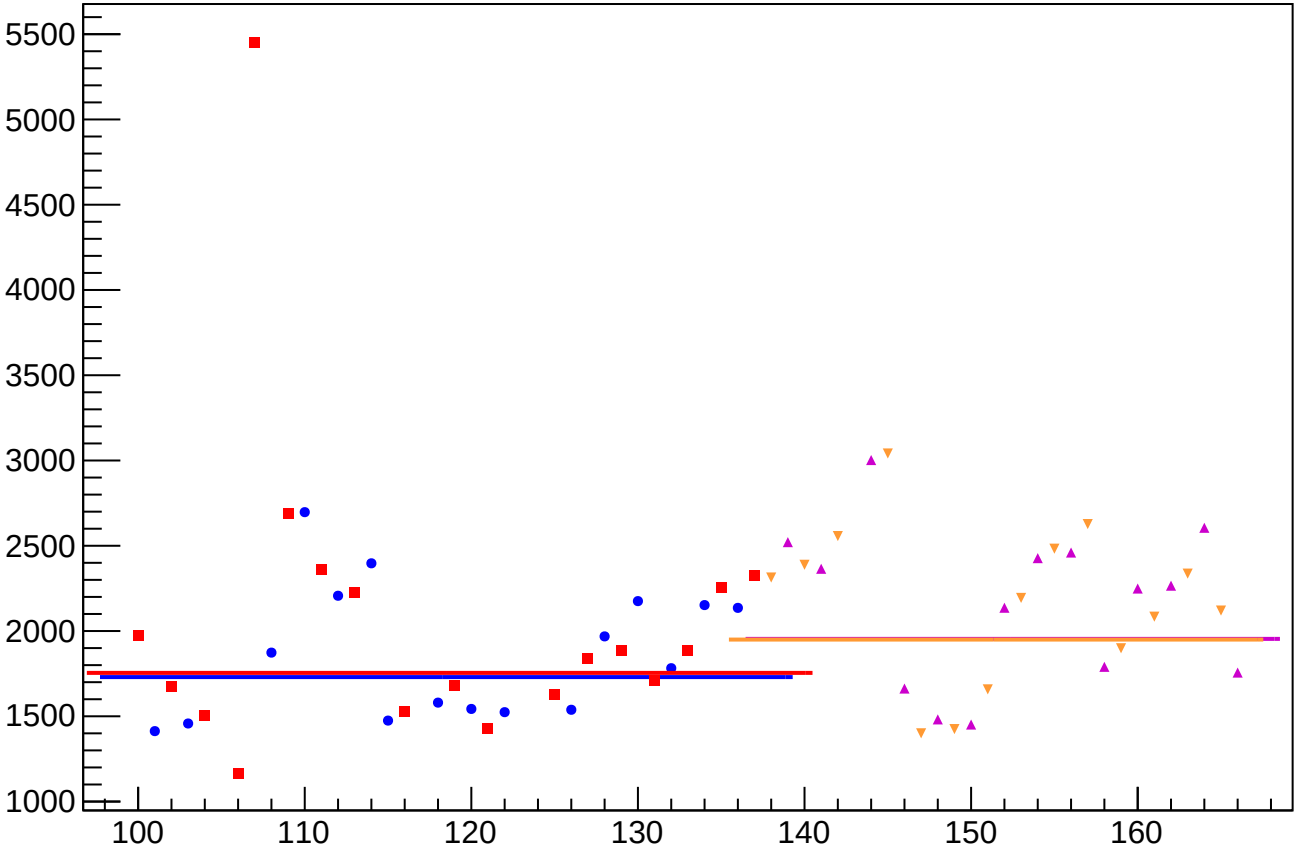
In: 2233.458+/-0.367 χ^2/NDF:539822.0/29

Out: 2240.178+/-0.372 χ^2/NDF:185918.5/31

All: 2236.773+/-0.261 χ^2/NDF: 725905.9/61


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -664.555+/-608.529 χ²/NDF:20.2/13
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 559.214+/-592.540 χ²/NDF:7.6/13
Left: -36.382+/-424.529 χ²/NDF: 29.9/27
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 223.939+/-440.380 χ²/NDF:24.7/29
Out: -608.788+/-452.935 χ²/NDF:34.2/31
All: -180.723+/-315.741 χ²/NDF: 60.6/61

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1953.944+/-0.419 χ^2/NDF:1102263.0/13

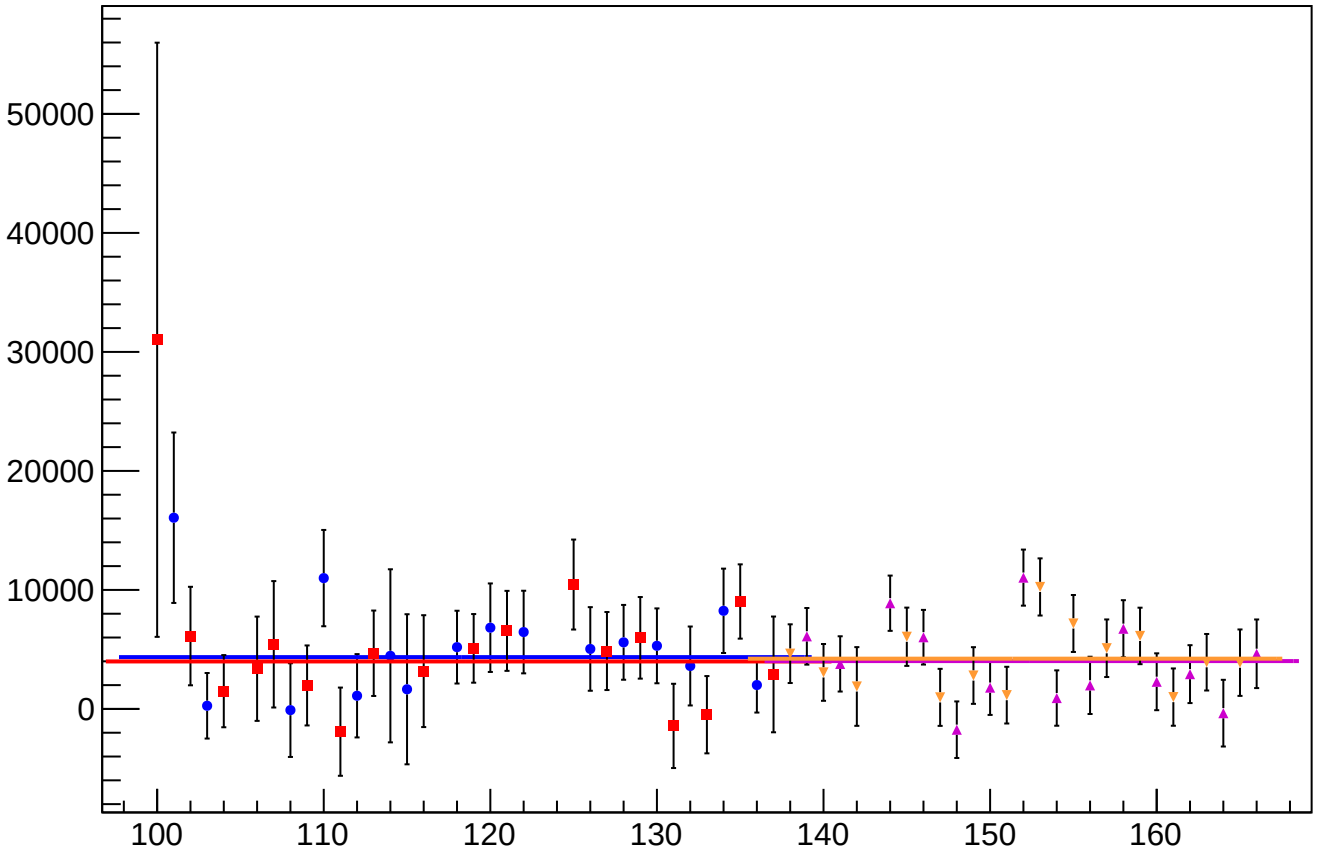
Left: 1951.964+/-0.300 χ^2/NDF: 2242690.2/27

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1853.651+/-0.311 χ^2/NDF:1710158.5/29

Out: 1862.749+/-0.320 χ^2/NDF:1983314.6/31

All: 1858.072+/-0.223 χ^2/NDF: 3693887.9/61



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4019.821+/-644.513 χ^2/NDF:28.6/13

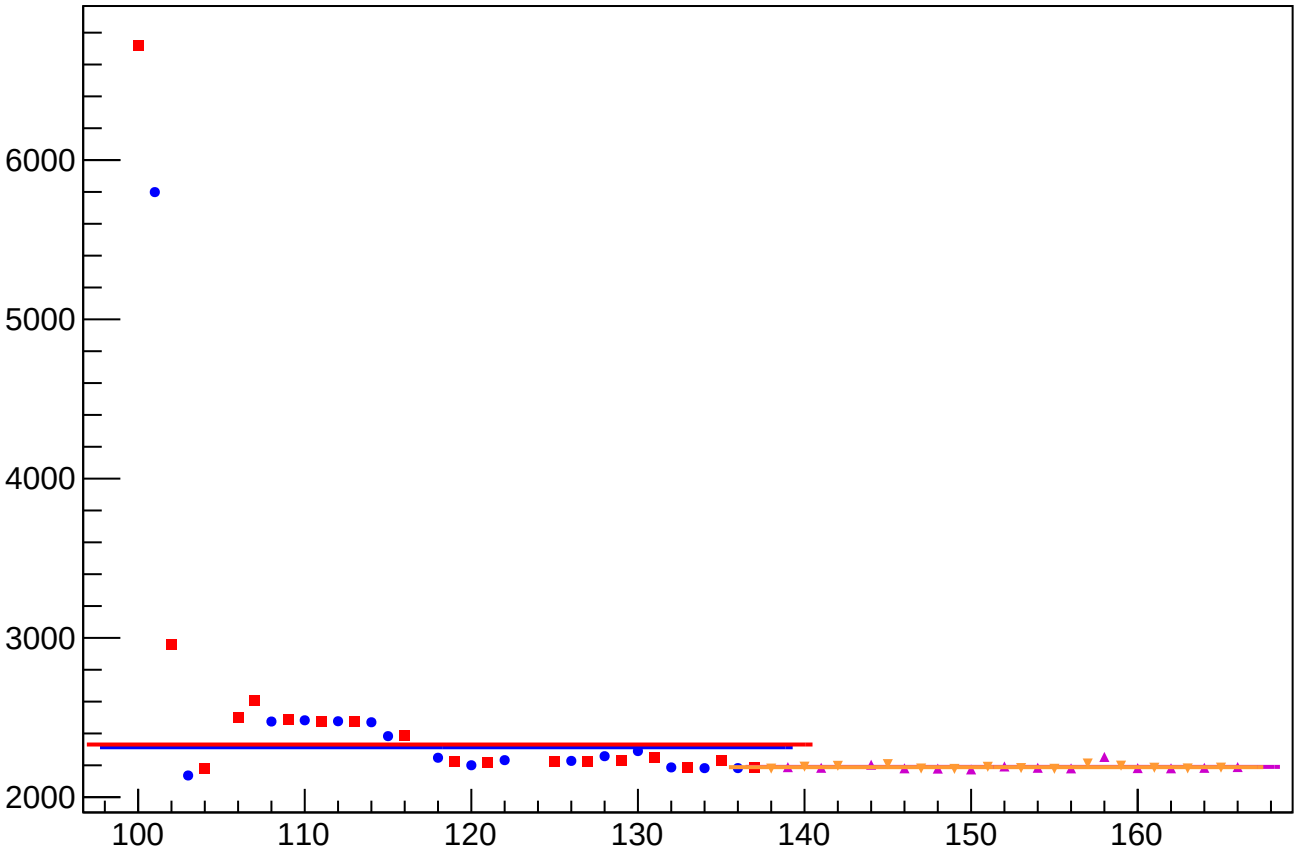
Left: 4119.246+/-460.939 χ^2/NDF: 44.3/27

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.217+/-518.964 χ^2/NDF:42.1/29

Out: 4138.330+/-525.872 χ^2/NDF:31.8/31

All: 4137.767+/-369.381 χ^2/NDF: 73.8/61



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.092+/-0.456 χ^2/NDF:1701.7/13

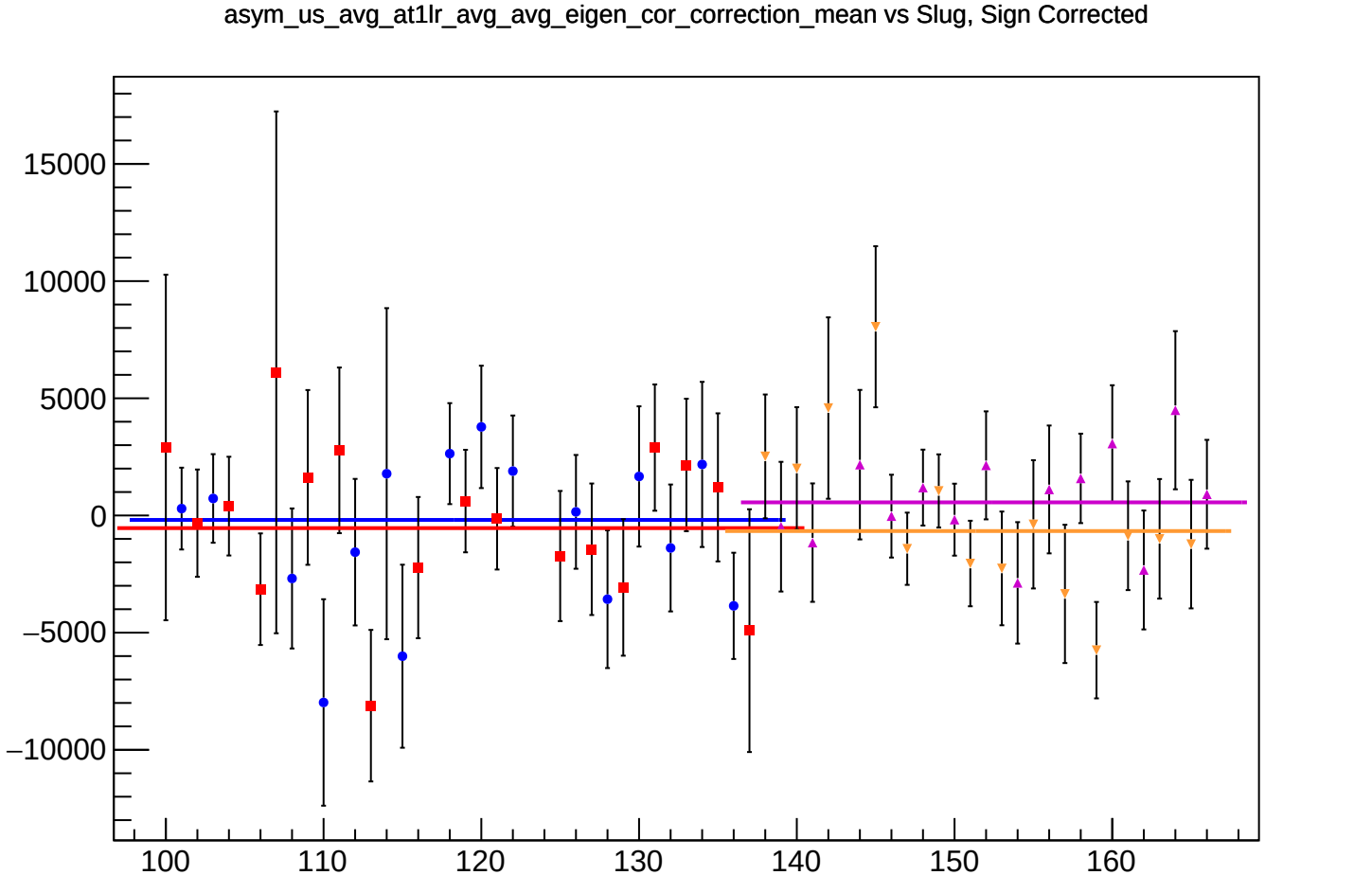
Left: 2189.271+/-0.326 χ^2/NDF: 2229.0/27

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

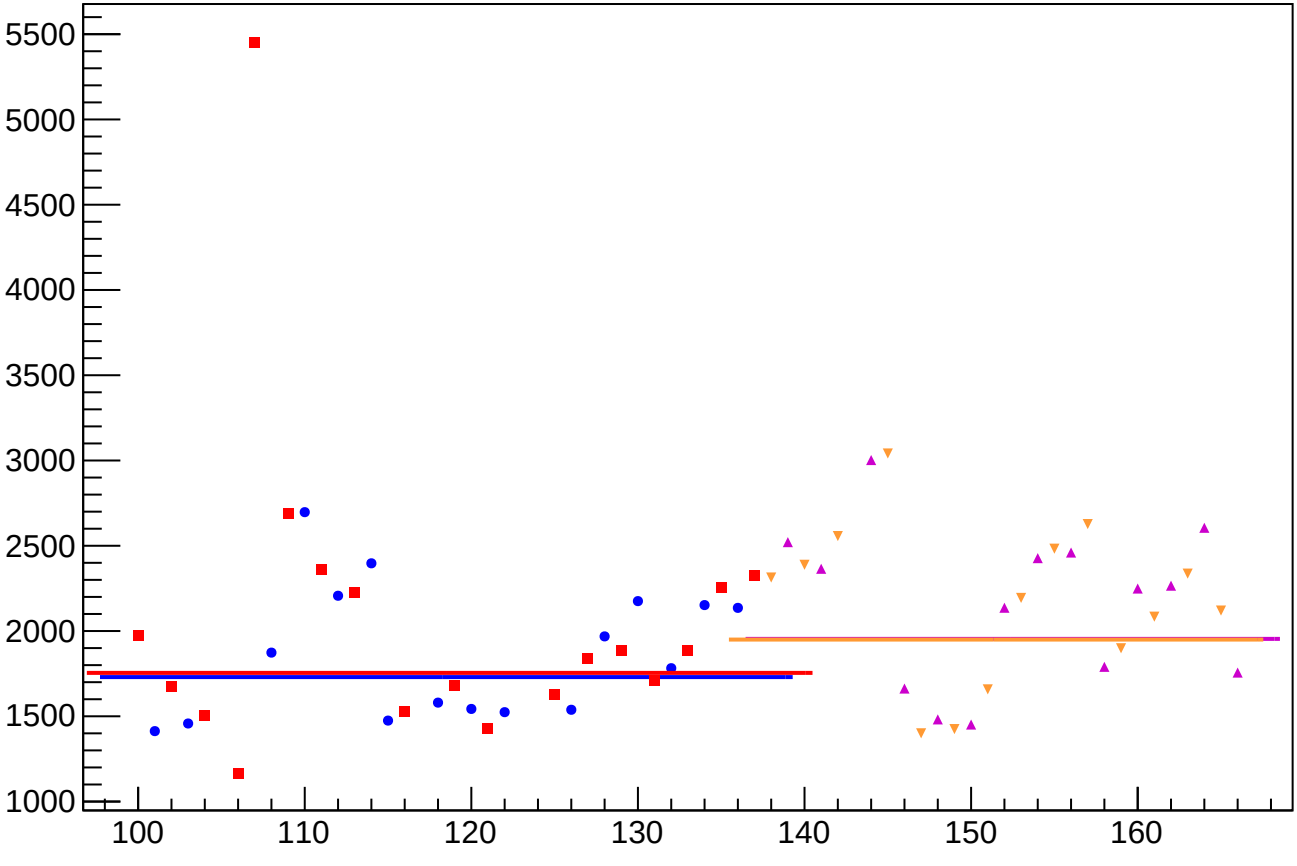
In: 2233.458+/-0.367 χ^2/NDF:539822.0/29

Out: 2240.178+/-0.372 χ^2/NDF:185918.5/31

All: 2236.773+/-0.261 χ^2/NDF: 725905.9/61


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -664.555+/-608.529 χ²/NDF:20.2/13
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 559.214+/-592.540 χ²/NDF:7.6/13
Left: -36.382+/-424.529 χ²/NDF: 29.9/27
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 223.939+/-440.380 χ²/NDF:24.7/29
Out: -608.788+/-452.935 χ²/NDF:34.2/31
All: -180.723+/-315.741 χ²/NDF: 60.6/61

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1953.944+/-0.419 χ^2/NDF:1102263.0/13

Left: 1951.964+/-0.300 χ^2/NDF: 2242690.2/27

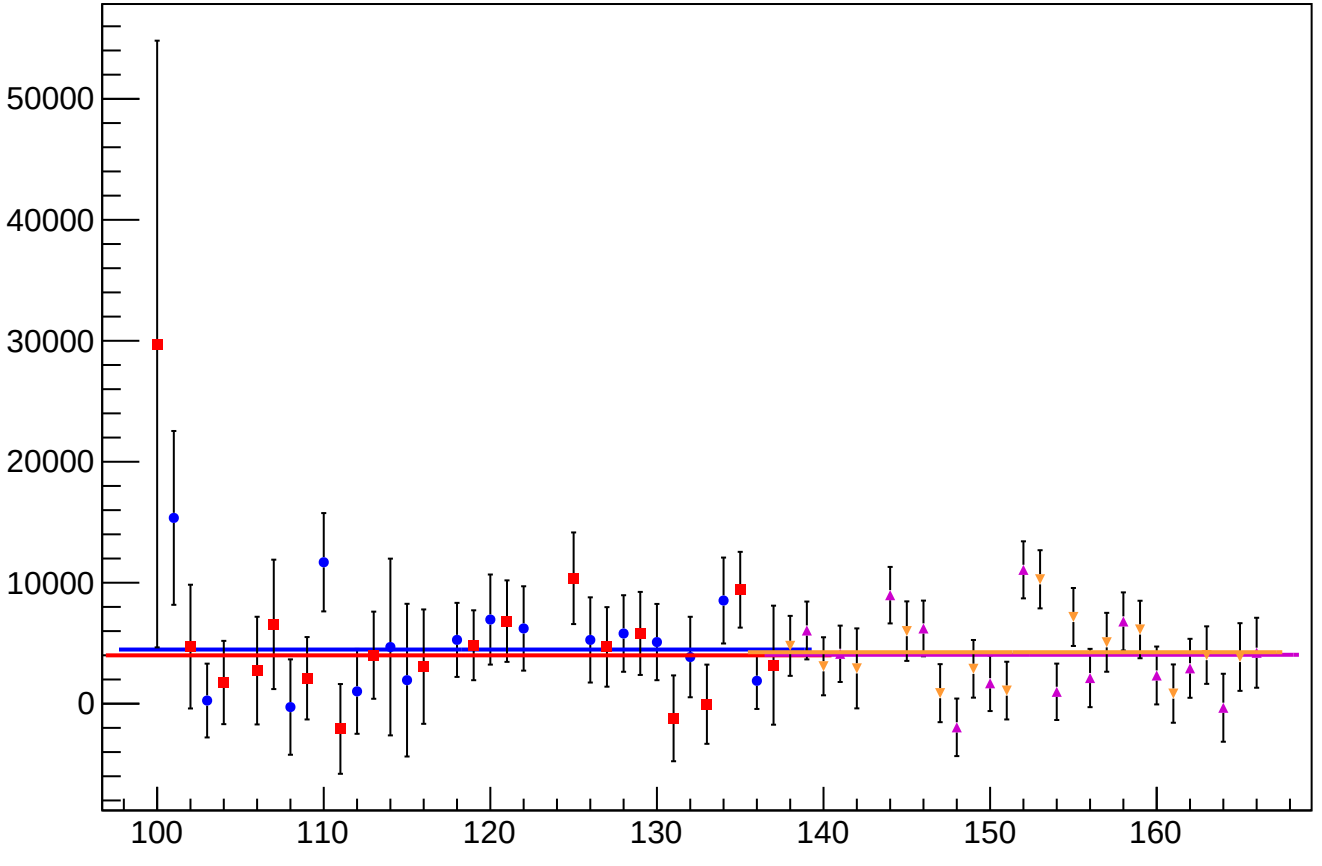
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1853.651+/-0.311 χ^2/NDF:1710158.5/29

Out: 1862.749+/-0.320 χ^2/NDF:1983314.6/31

All: 1858.072+/-0.223 χ^2/NDF: 3693887.9/61

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4255.015+/-661.095 χ^2/NDF:15.6/13

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4042.217+/-646.044 χ^2/NDF:29.2/13

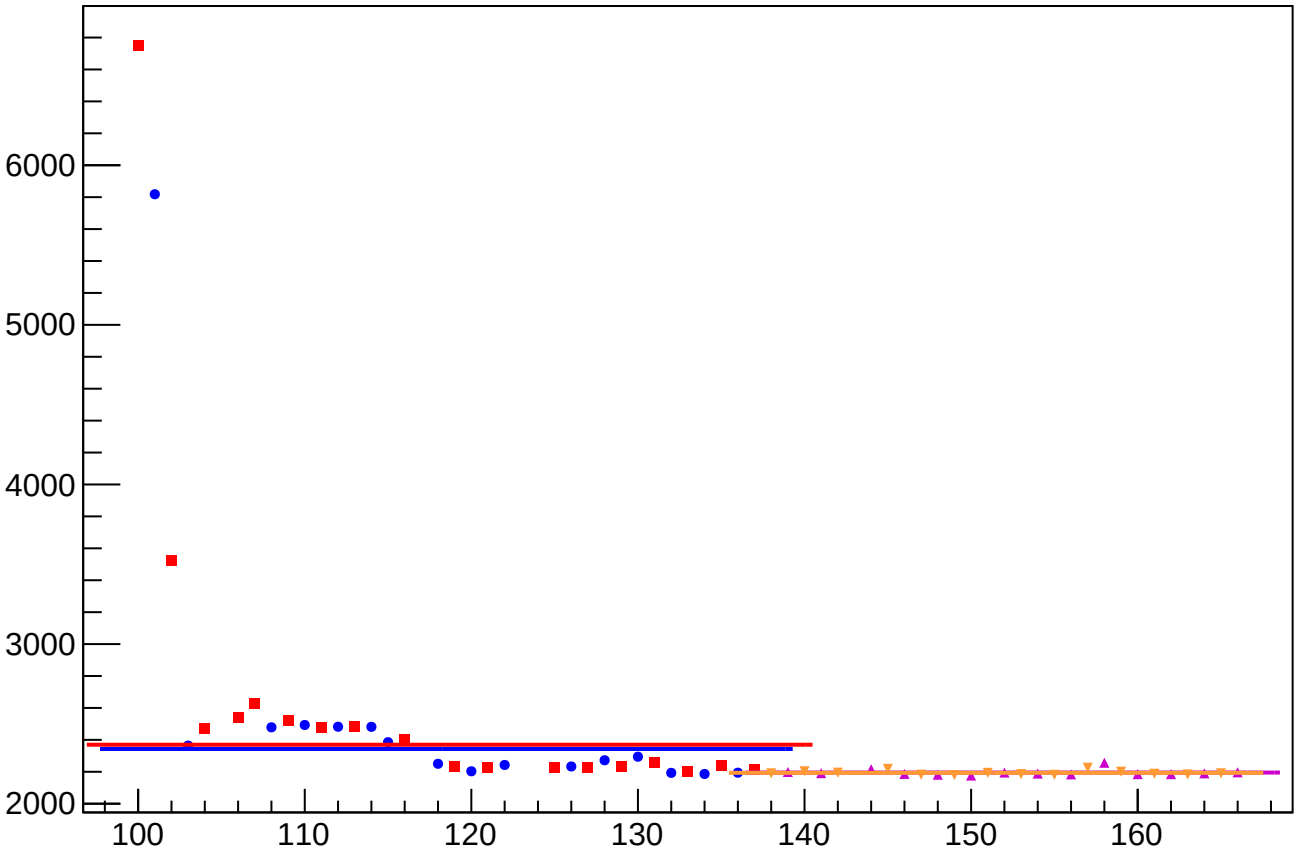
Left: 4146.166+/-462.051 χ^2/NDF: 44.8/27

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4192.925+/-522.026 χ^2/NDF:42.9/29

Out: 4162.907+/-530.797 χ^2/NDF:31.1/31

All: 4178.166+/-372.190 χ^2/NDF: 74.0/61



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.681+/-0.467 χ^2/NDF:838.4/13

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.228+/-0.457 χ^2/NDF:1840.1/13

Left: 2194.472+/-0.327 χ^2/NDF: 2684.0/27

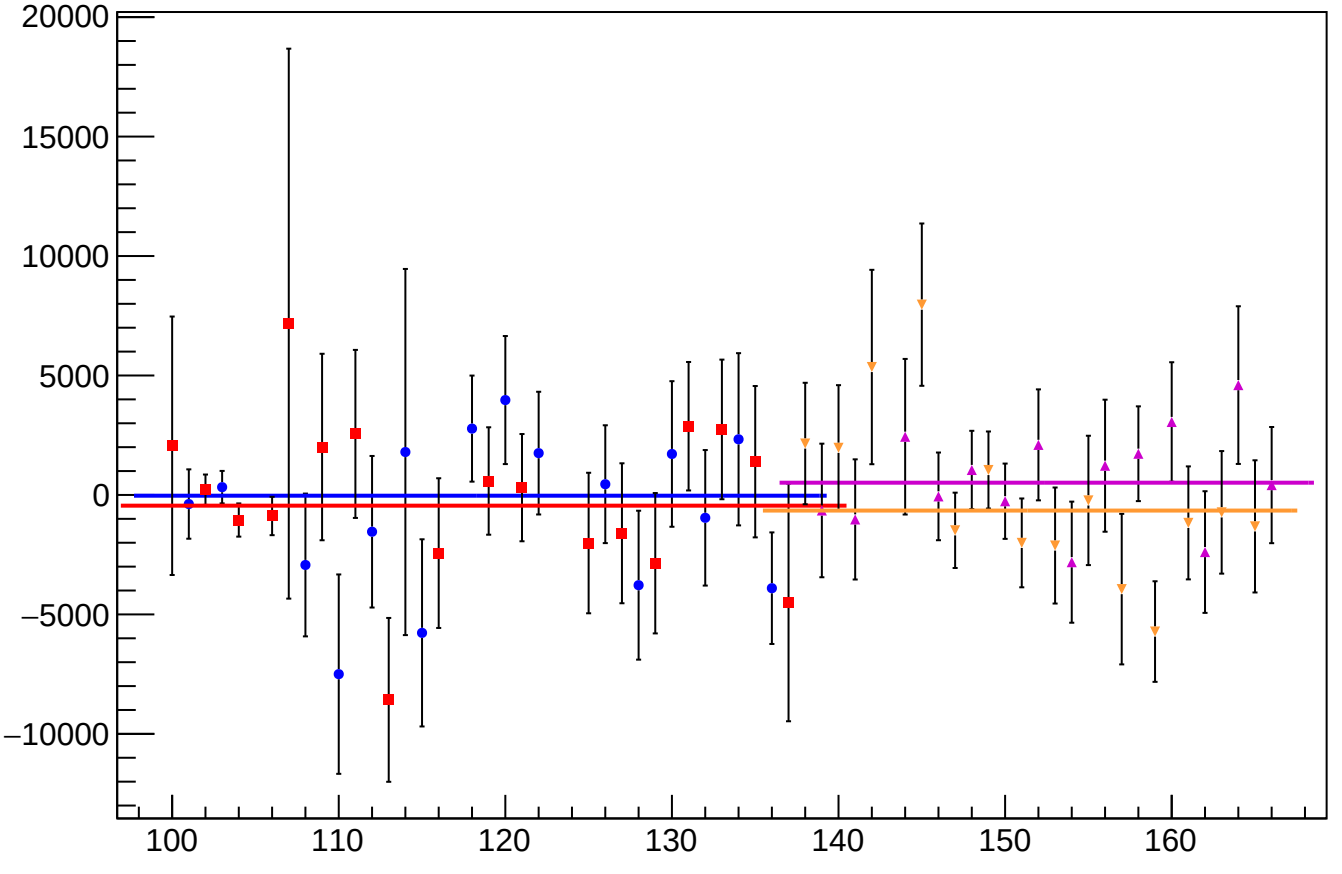
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2246.487+/-0.369 χ^2/NDF:540982.0/29

Out: 2256.183+/-0.375 χ^2/NDF:261294.2/31

All: 2251.254+/-0.263 χ^2/NDF: 802615.5/61

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -653.441+/-618.116 χ^2/NDF:20.1/13

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 512.920+/-602.584 χ^2/NDF:7.8/13

Left: -55.423+/-431.478 χ^2/NDF: 29.8/27

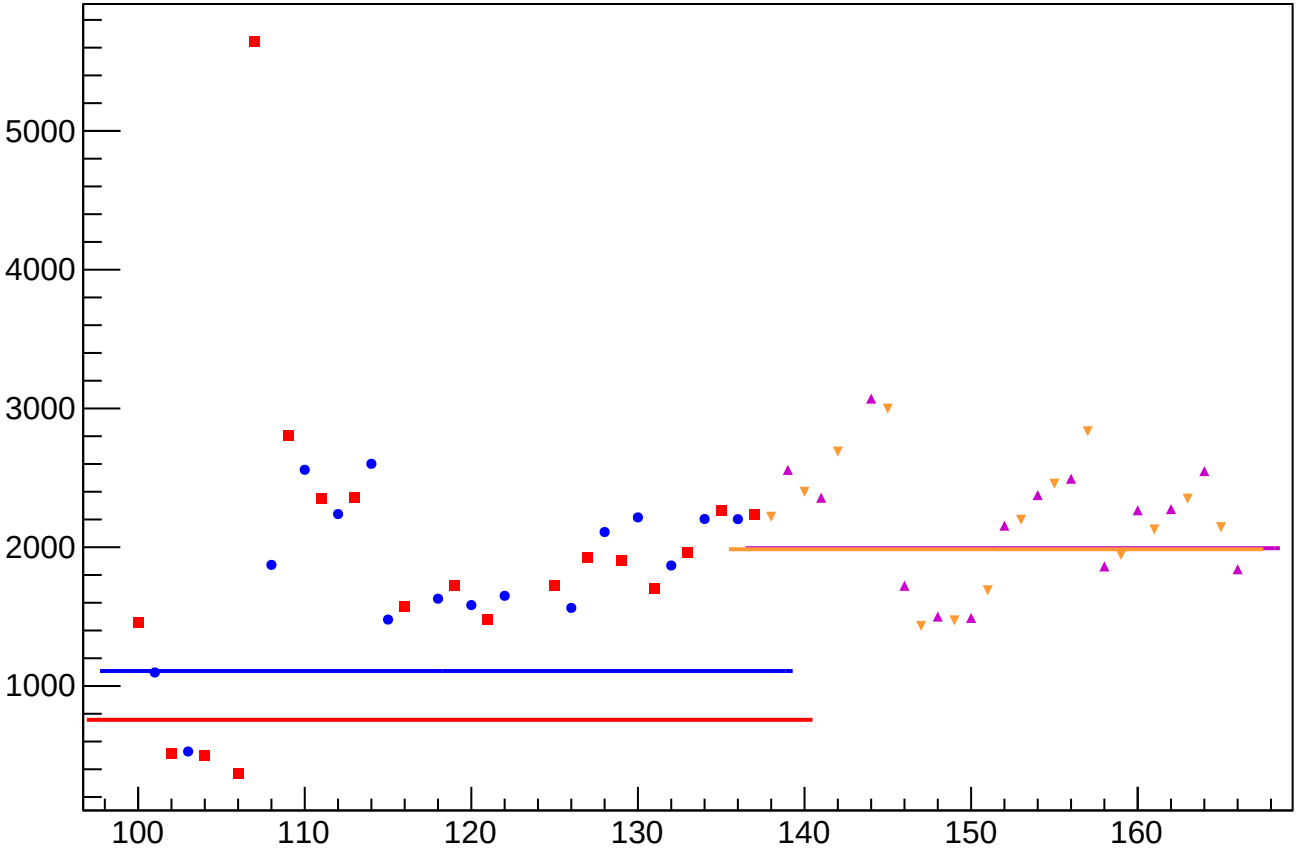
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 182.771+/-377.978 χ^2/NDF:24.7/29

Out: -500.785+/-312.739 χ^2/NDF:35.3/31

All: -222.999+/-240.954 χ^2/NDF: 61.9/61

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1985.449+/-0.437 χ^2/NDF:1079553.6/13

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1993.055+/-0.426 χ^2/NDF:1012895.8/13

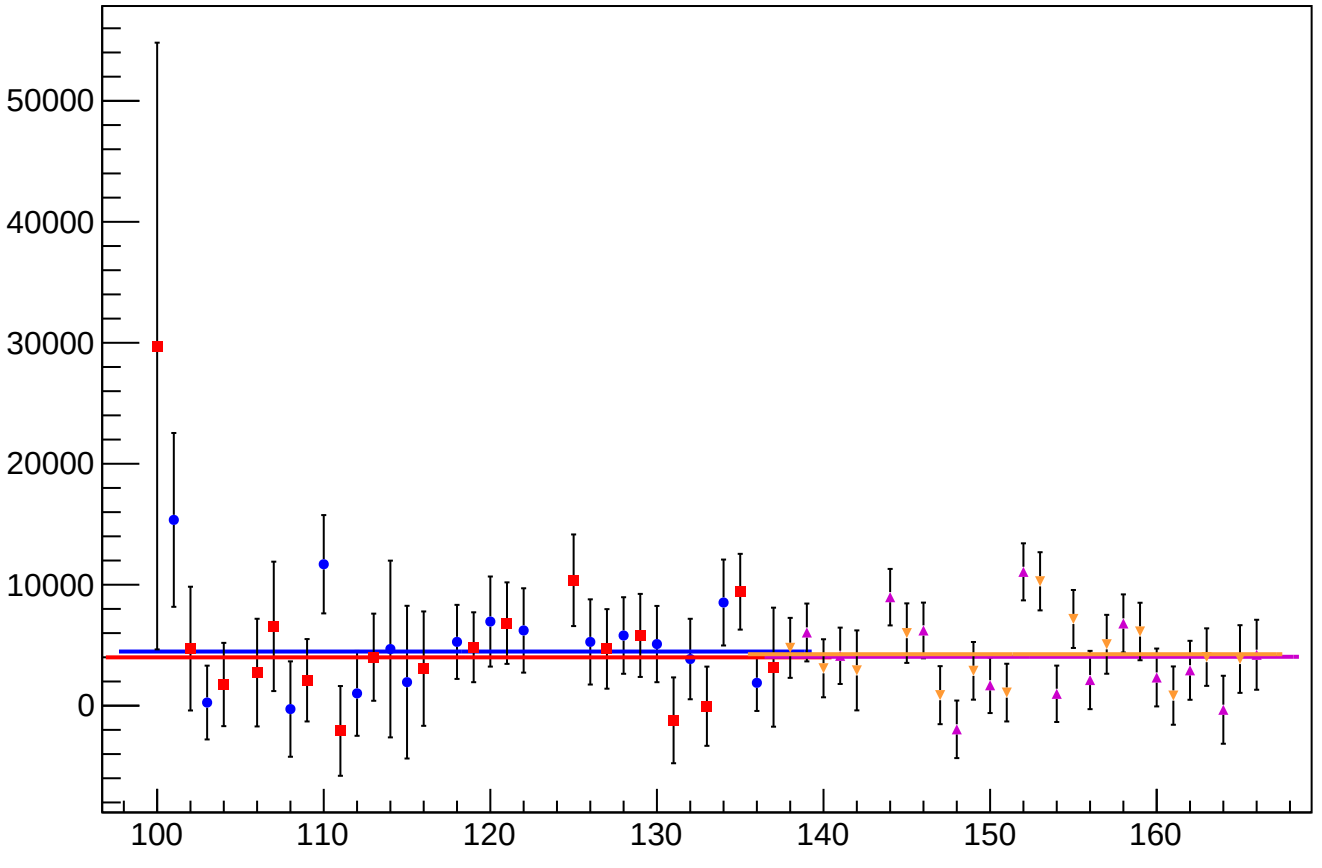
Left: 1989.349+/-0.305 χ^2/NDF: 2092604.7/27

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1456.316+/-0.267 χ^2/NDF:7375504.7/29

Out: 1071.039+/-0.221 χ^2/NDF:12565707.3/31

All: 1227.609+/-0.170 χ^2/NDF: 21174741.4/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4255.012+/-661.095 χ^2/NDF:15.6/13

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4042.219+/-646.044 χ^2/NDF:29.2/13

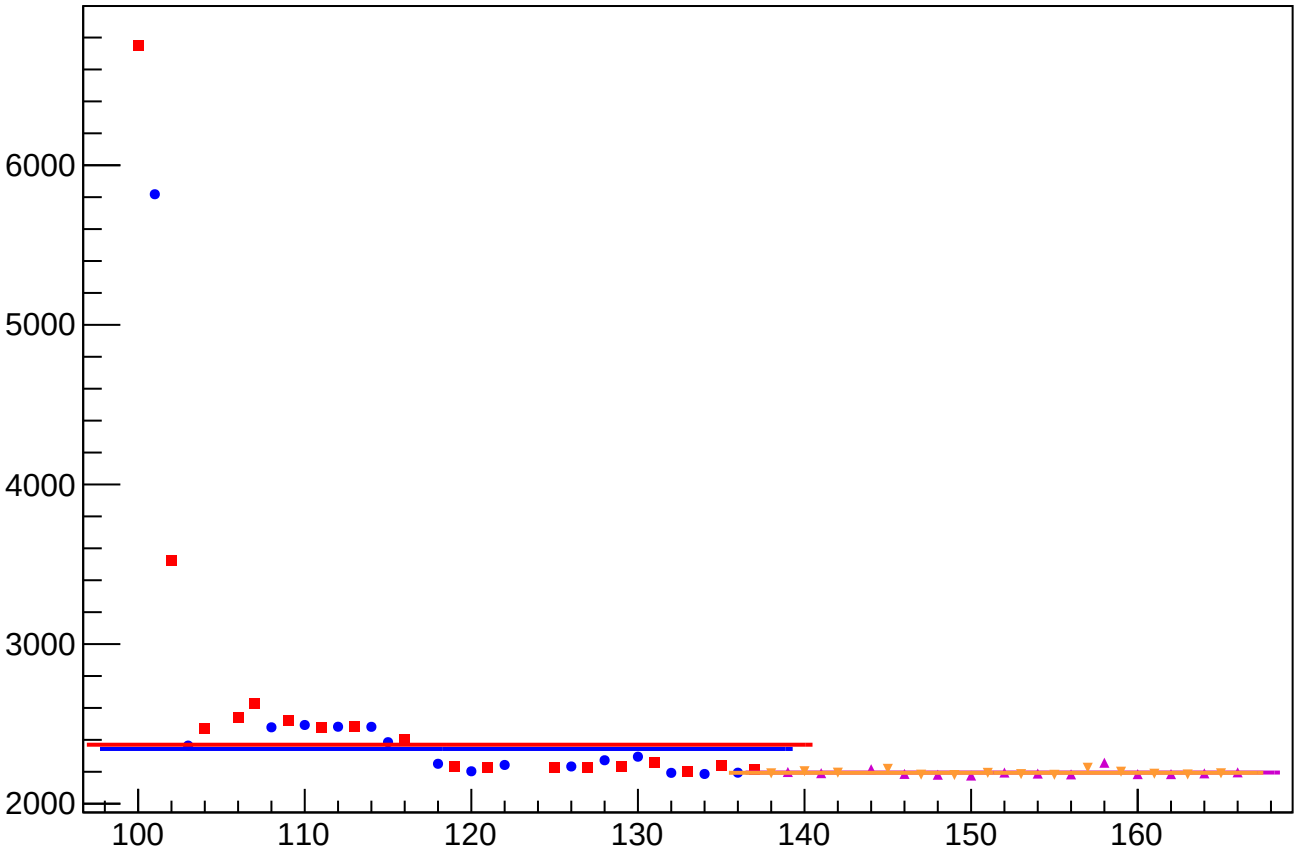
Left: 4146.166+/-462.051 χ^2/NDF: 44.8/27

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4192.925+/-522.025 χ^2/NDF:42.9/29

Out: 4162.904+/-530.797 χ^2/NDF:31.1/31

All: 4178.165+/-372.190 χ^2/NDF: 74.0/61



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.681+/-0.467 χ^2/NDF:838.4/13

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.228+/-0.457 χ^2/NDF:1840.1/13

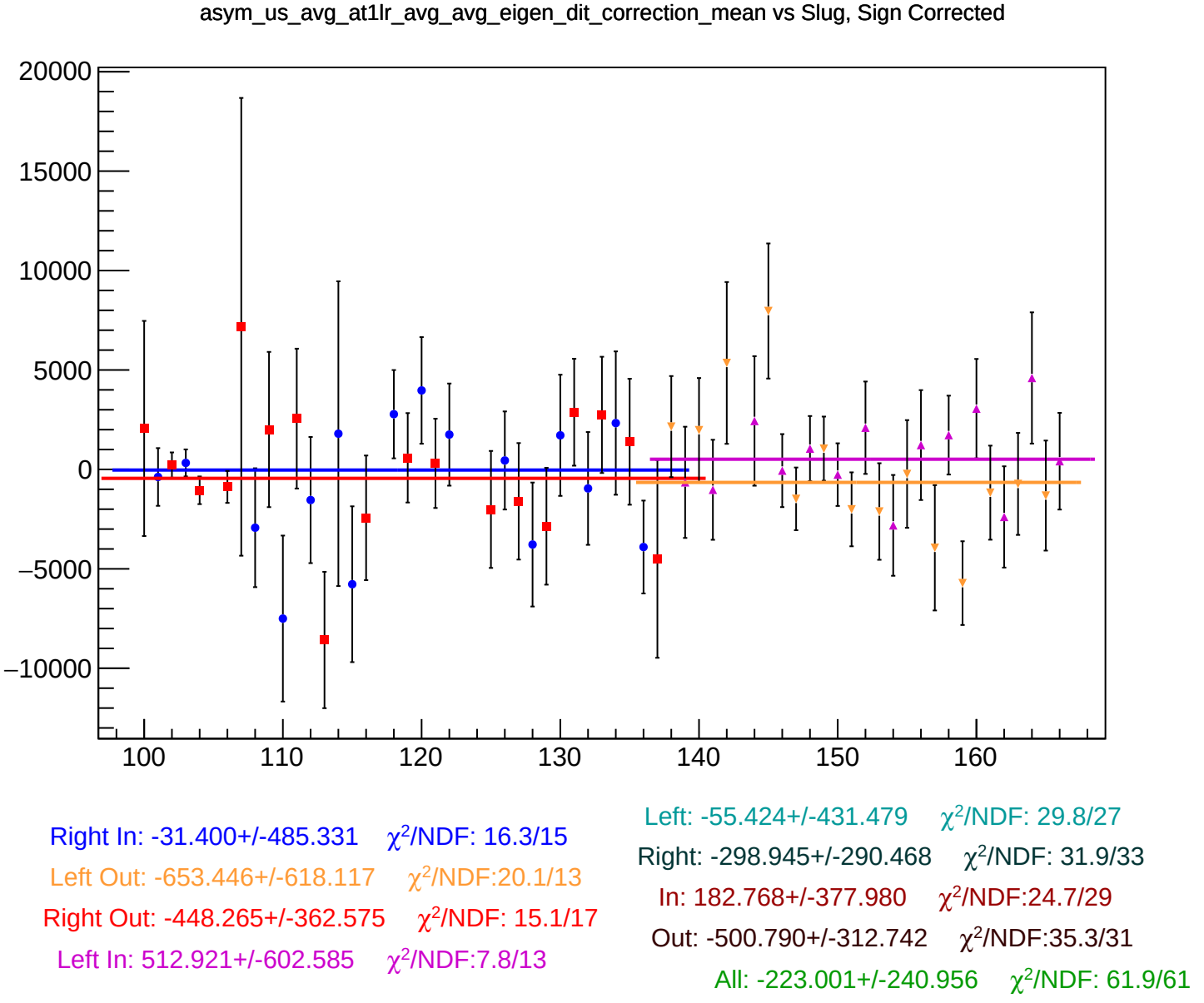
Left: 2194.472+/-0.327 χ^2/NDF: 2684.0/27

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

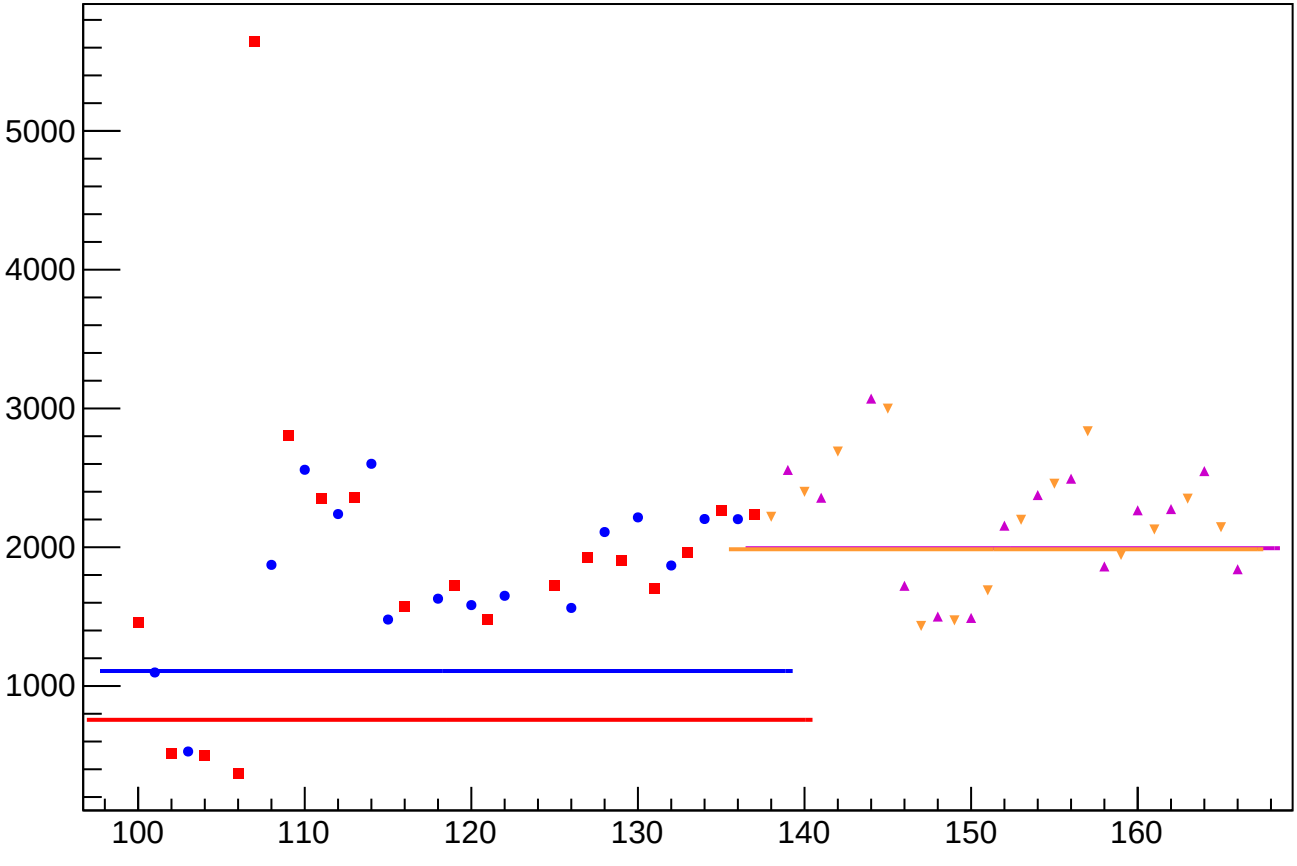
In: 2246.487+/-0.369 χ^2/NDF:540981.8/29

Out: 2256.183+/-0.375 χ^2/NDF:261292.8/31

All: 2251.254+/-0.263 χ^2/NDF: 802613.9/61


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -653.446+/-618.117 χ²/NDF:20.1/13
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 512.921+/-602.585 χ²/NDF:7.8/13
Left: -55.424+/-431.479 χ²/NDF: 29.8/27
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 182.768+/-377.980 χ²/NDF:24.7/29
Out: -500.790+/-312.742 χ²/NDF:35.3/31
All: -223.001+/-240.956 χ²/NDF: 61.9/61

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1985.453+/-0.437 χ^2/NDF:1079553.7/13

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1993.059+/-0.426 χ^2/NDF:1012895.2/13

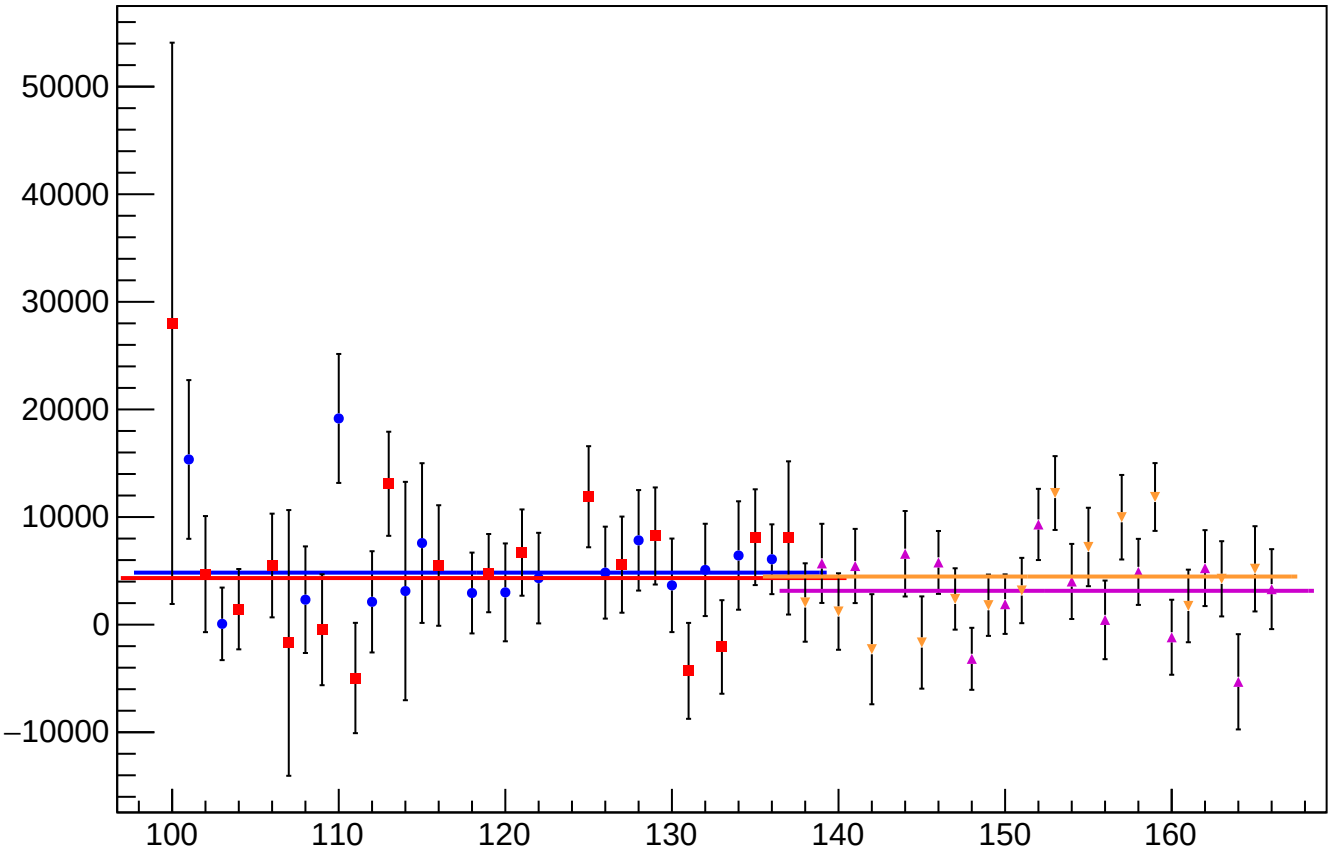
Left: 1989.353+/-0.305 χ^2/NDF: 2092604.2/27

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1456.325+/-0.267 χ^2/NDF:7375375.9/29

Out: 1071.056+/-0.221 χ^2/NDF:12565424.0/31

All: 1227.624+/-0.170 χ^2/NDF: 21174258.7/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4470.930+/-928.138 χ^2/NDF:20.5/13

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3144.243+/-901.539 χ^2/NDF:17.5/13

Left: 3788.304+/-646.683 χ^2/NDF: 39.0/27

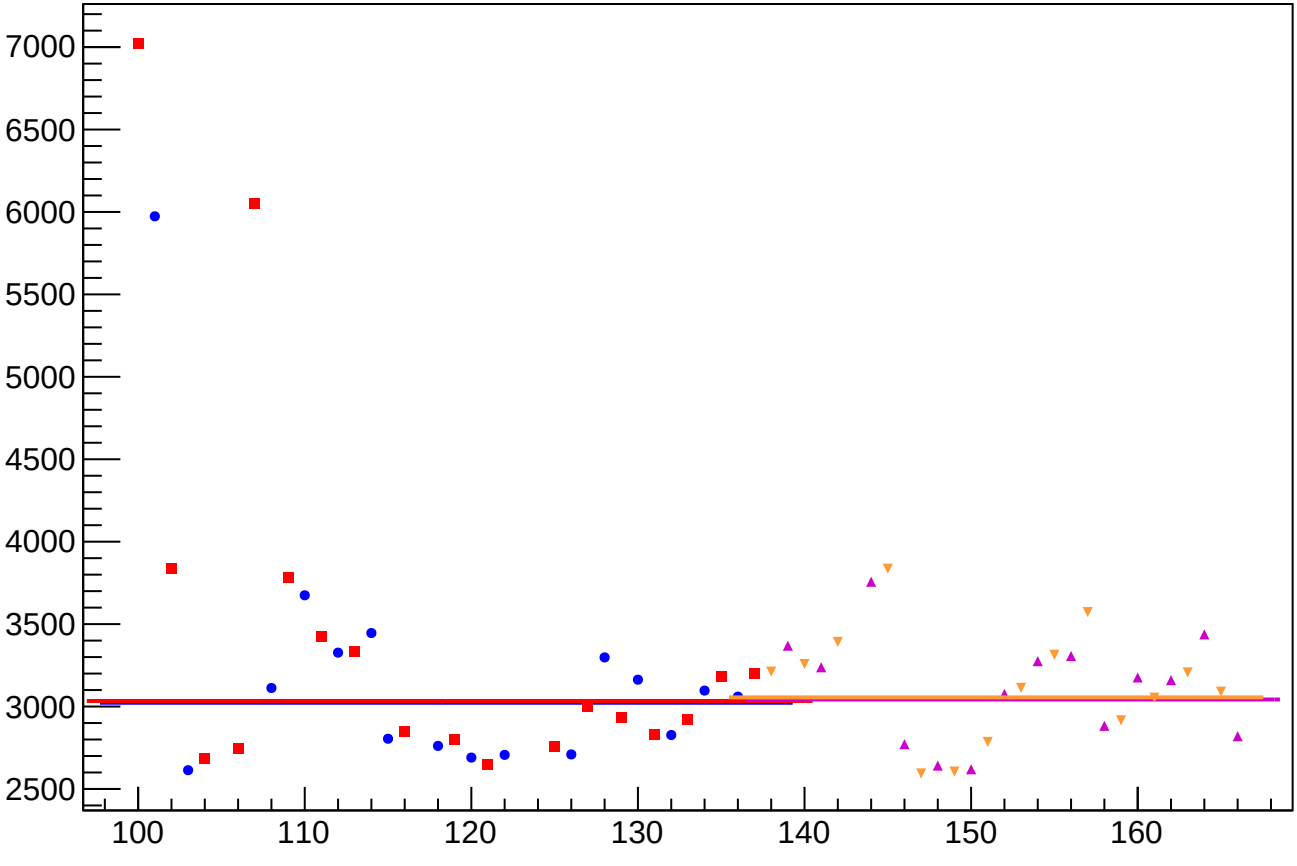
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3792.557+/-707.742 χ^2/NDF:30.5/29

Out: 4414.465+/-720.896 χ^2/NDF:40.4/31

All: 4097.785+/-505.035 χ^2/NDF: 71.3/61

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3055.429+/-0.656 χ^2/NDF:256219.2/13

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3042.707+/-0.637 χ^2/NDF:242769.8/13

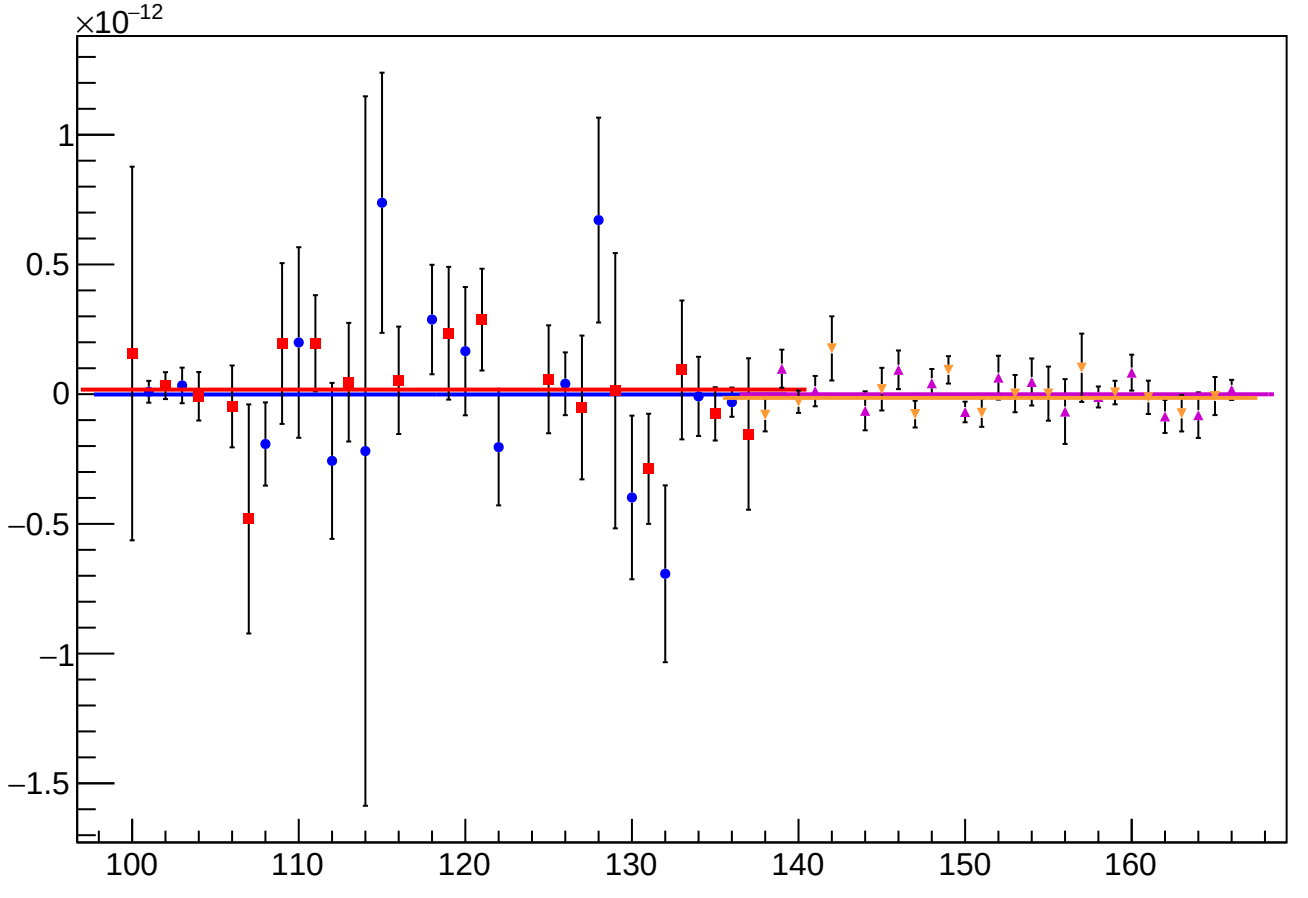
Left: 3048.883+/-0.457 χ^2/NDF: 499182.3/27

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3035.171+/-0.500 χ^2/NDF:686839.7/29

Out: 3046.876+/-0.510 χ^2/NDF:599322.1/31

All: 3040.916+/-0.357 χ^2/NDF: 1286430.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/13

Left: -0.000+/-0.000 χ^2/NDF: 25.9/27

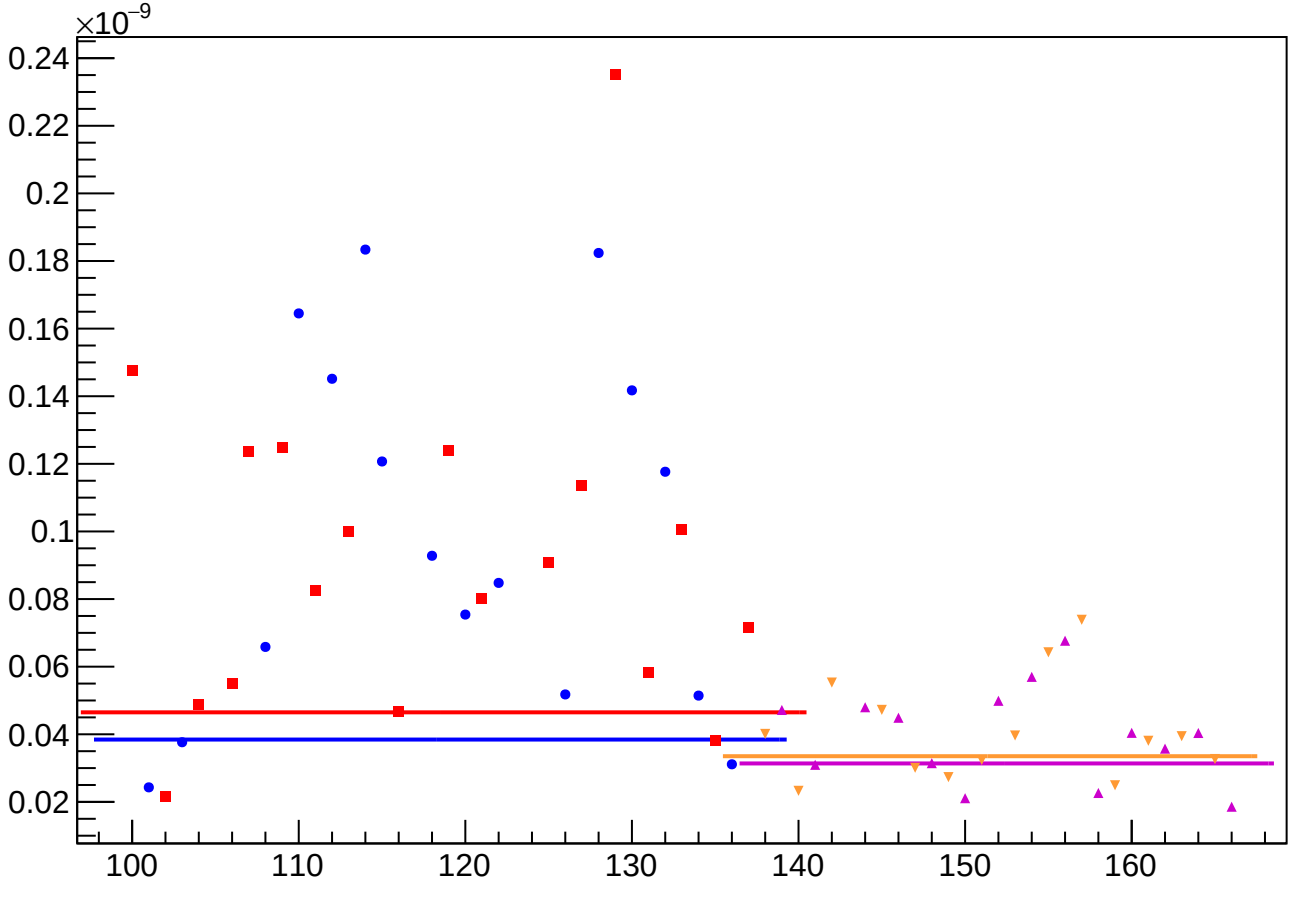
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:30.3/29

Out: -0.000+/-0.000 χ^2/NDF:22.0/31

All: -0.000+/-0.000 χ^2/NDF: 52.4/61

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:761110.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1192644.0/13

Left: 0.000+/-0.000 χ^2/NDF: 1970942.3/27

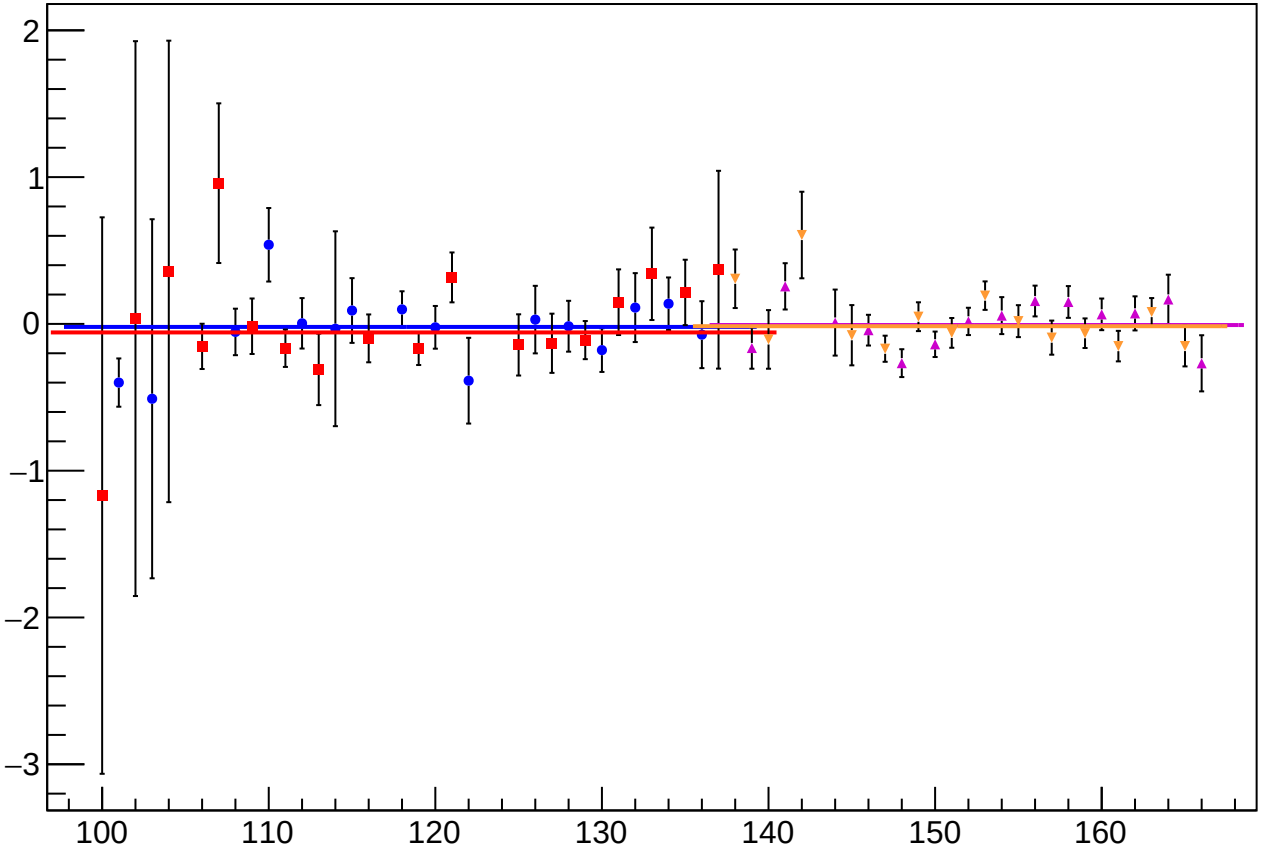
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3064687.5/29

Out: 0.000+/-0.000 χ^2/NDF:2686731.1/31

All: 0.000+/-0.000 χ^2/NDF: 5790406.3/61

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.012+/-0.022 χ^2/NDF: 42.7/27

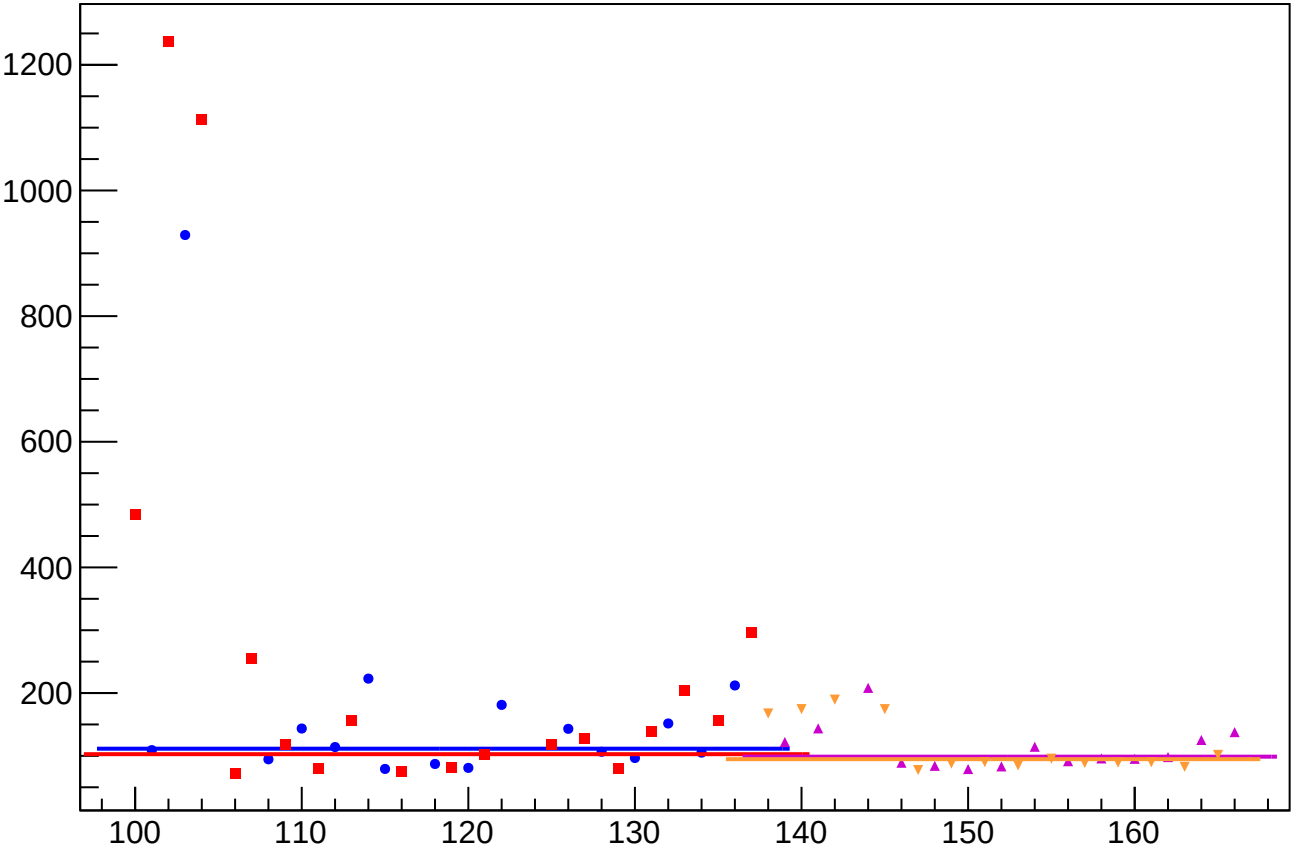
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.020+/-0.018 χ^2/NDF: 76.0/61

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256236.7/13

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.727+/-0.022 χ^2/NDF:1092064.3/13

Left: 96.732+/-0.016 χ^2/NDF: 2364551.1/27

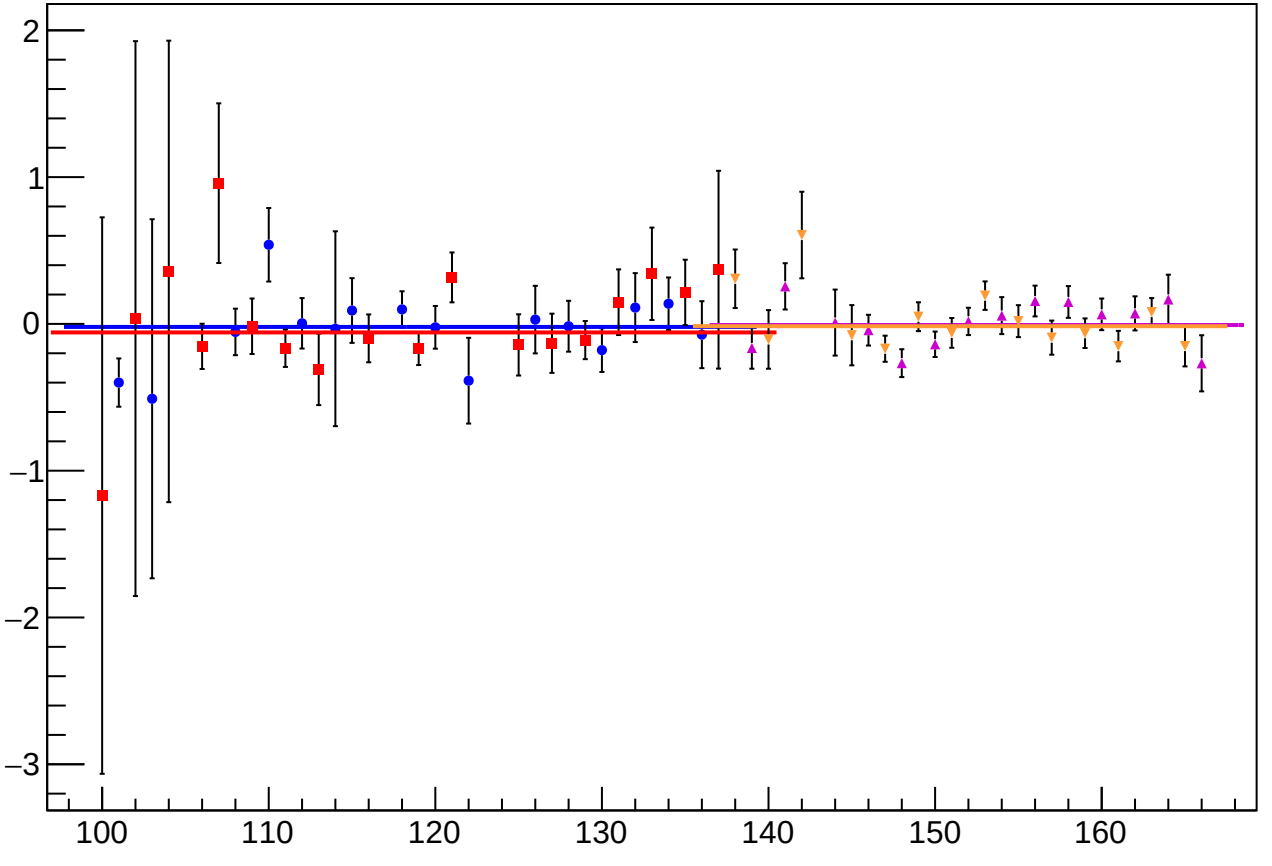
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.545+/-0.018 χ^2/NDF:3030487.2/29

Out: 97.211+/-0.018 χ^2/NDF:4123286.9/31

All: 99.851+/-0.013 χ^2/NDF: 7195852.8/61

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.012+/-0.022 χ^2/NDF: 42.7/27

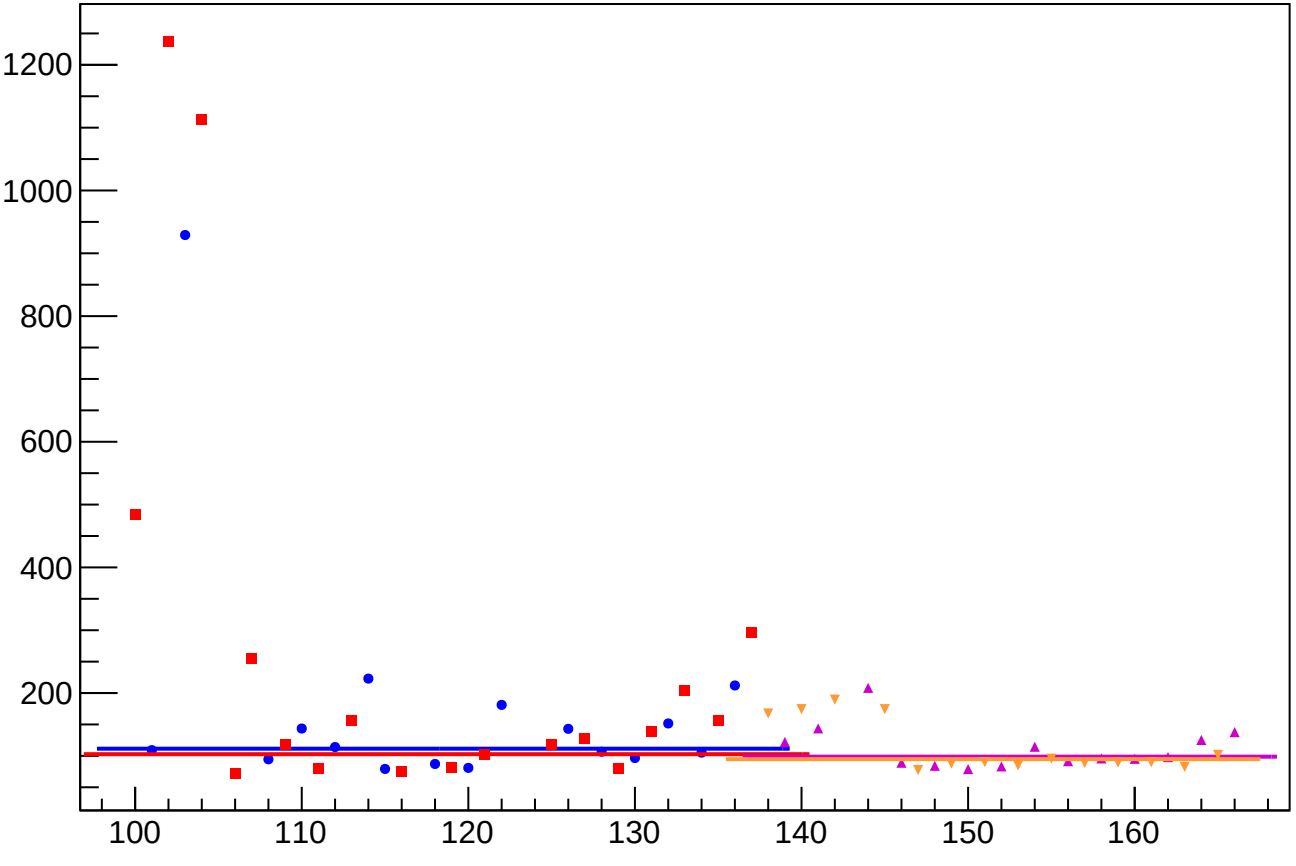
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.020+/-0.018 χ^2/NDF: 76.0/61

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256236.7/13

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.727+/-0.022 χ^2/NDF:1092064.3/13

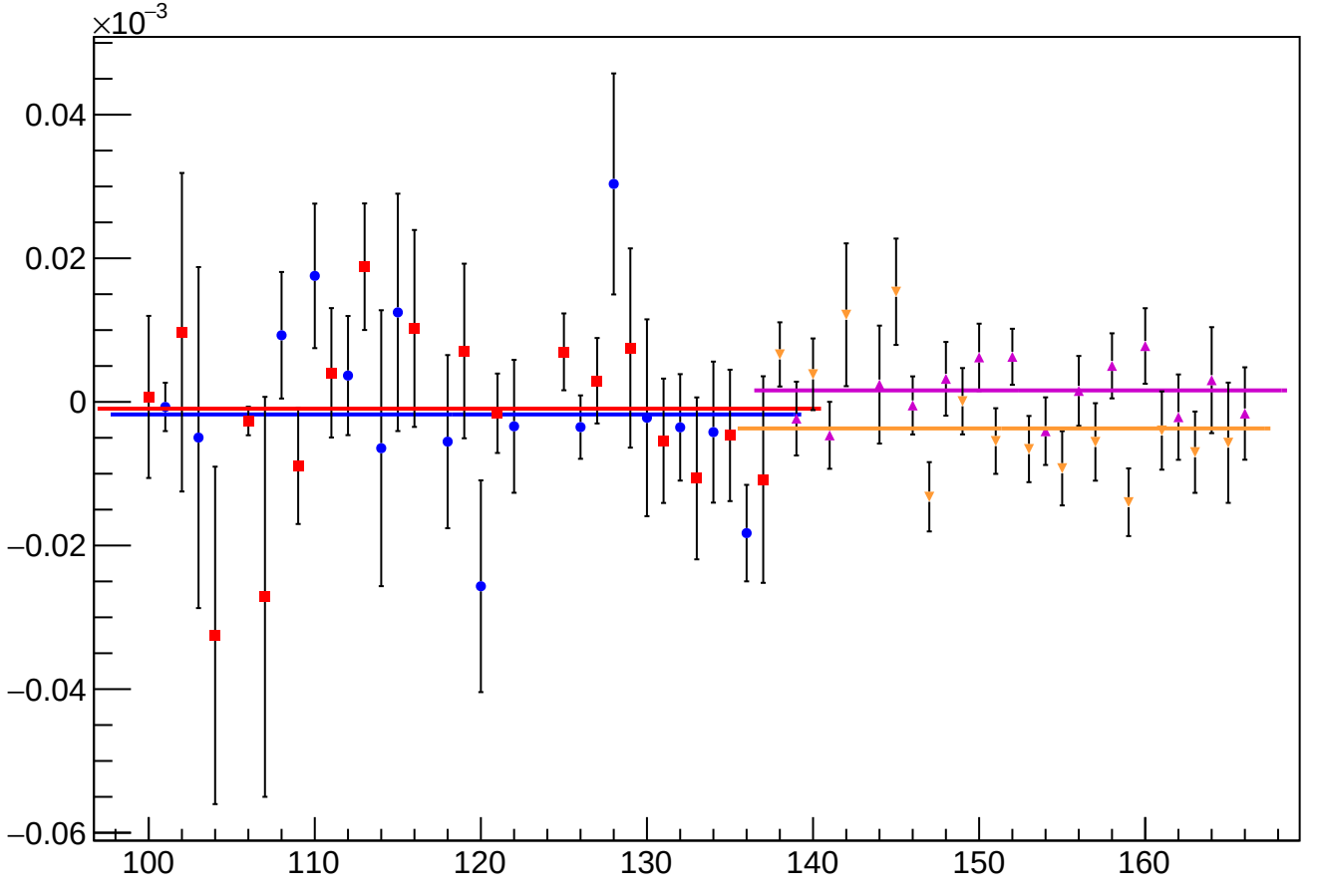
Left: 96.732+/-0.016 χ^2/NDF: 2364551.1/27

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.545+/-0.018 χ^2/NDF:3030487.2/29

Out: 97.211+/-0.018 χ^2/NDF:4123286.9/31

All: 99.851+/-0.013 χ^2/NDF: 7195852.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/13

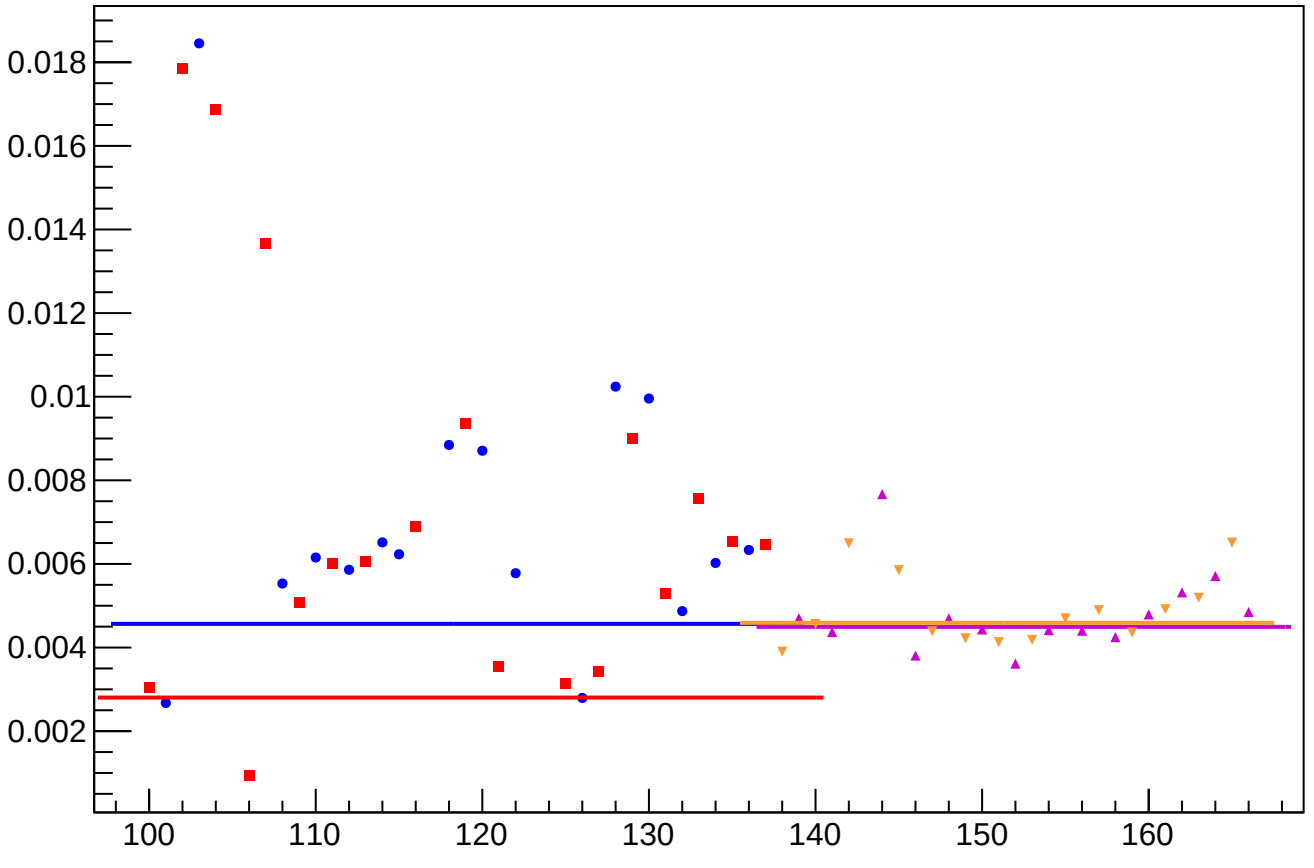
Left: -0.000+/-0.000 χ^2/NDF: 44.9/27

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

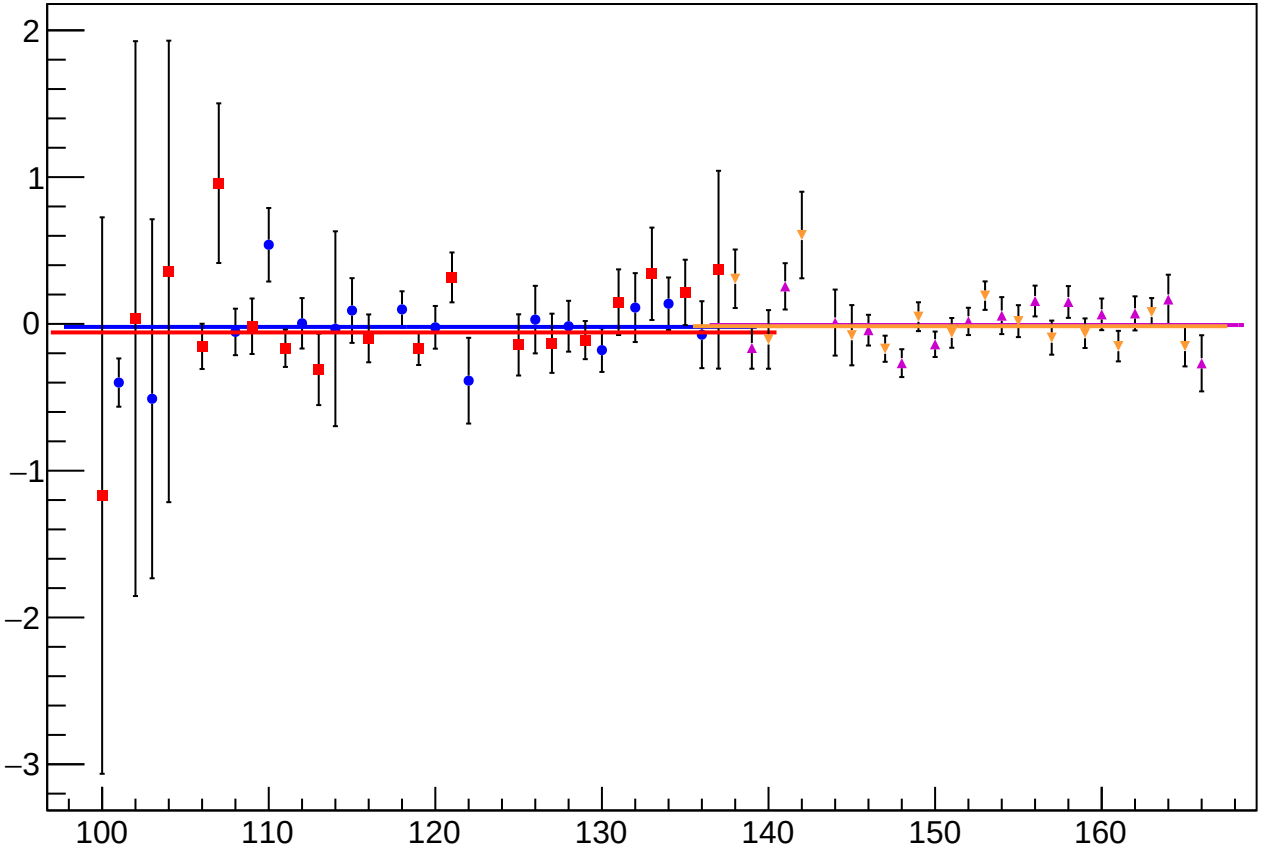
In: 0.000+/-0.000 χ^2/NDF:31.3/29

Out: -0.000+/-0.000 χ^2/NDF:45.8/31

All: -0.000+/-0.000 χ^2/NDF: 80.8/61


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:377488.7/13
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:578665.4/13
Left: 0.005+/-0.000 χ²/NDF: 960975.6/27
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3592777.4/29
Out: 0.004+/-0.000 χ²/NDF:8513580.7/31
All: 0.004+/-0.000 χ²/NDF: 12647578.3/61

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.012+/-0.022 χ^2/NDF: 42.7/27

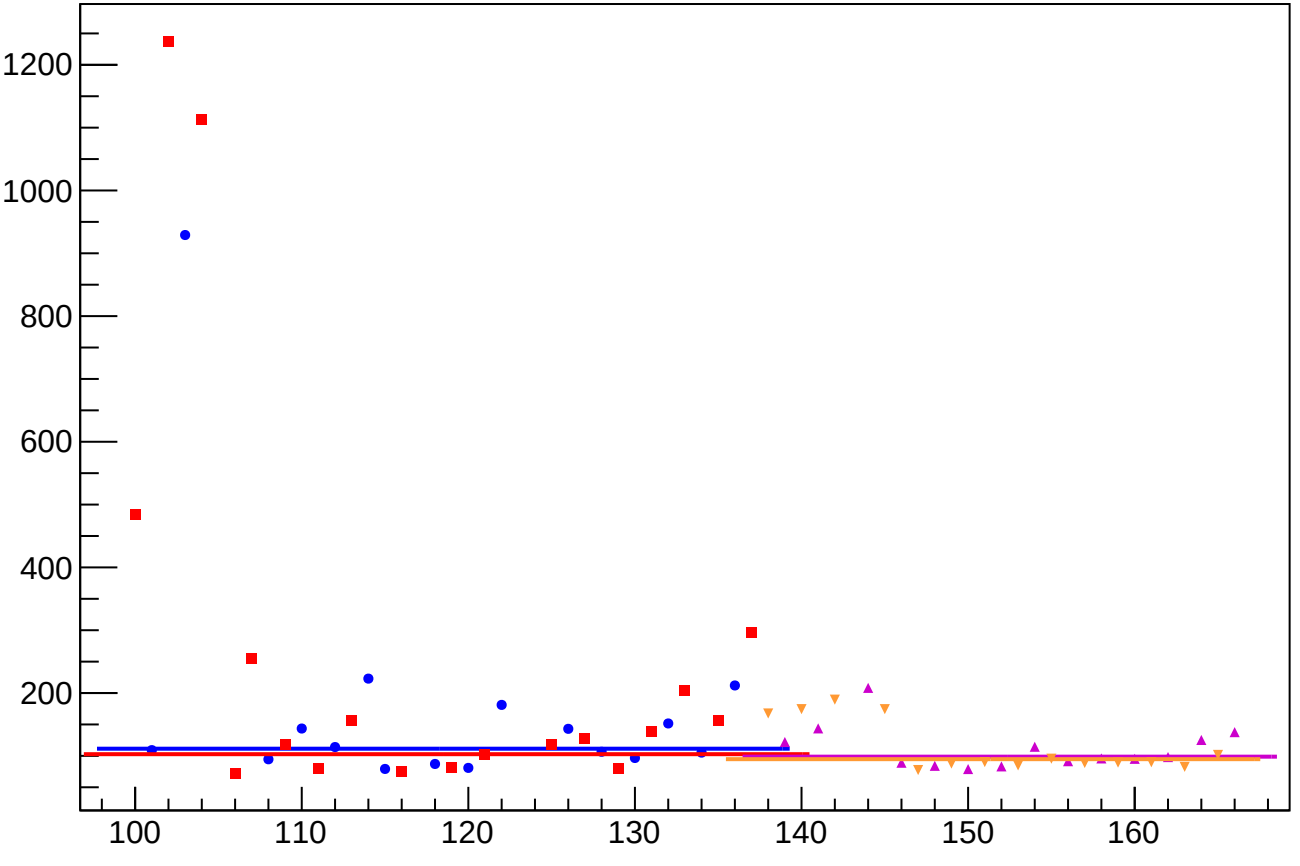
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.020+/-0.018 χ^2/NDF: 76.0/61

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256215.5/13

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.728+/-0.022 χ^2/NDF:1092047.6/13

Left: 96.732+/-0.016 χ^2/NDF: 2364512.2/27

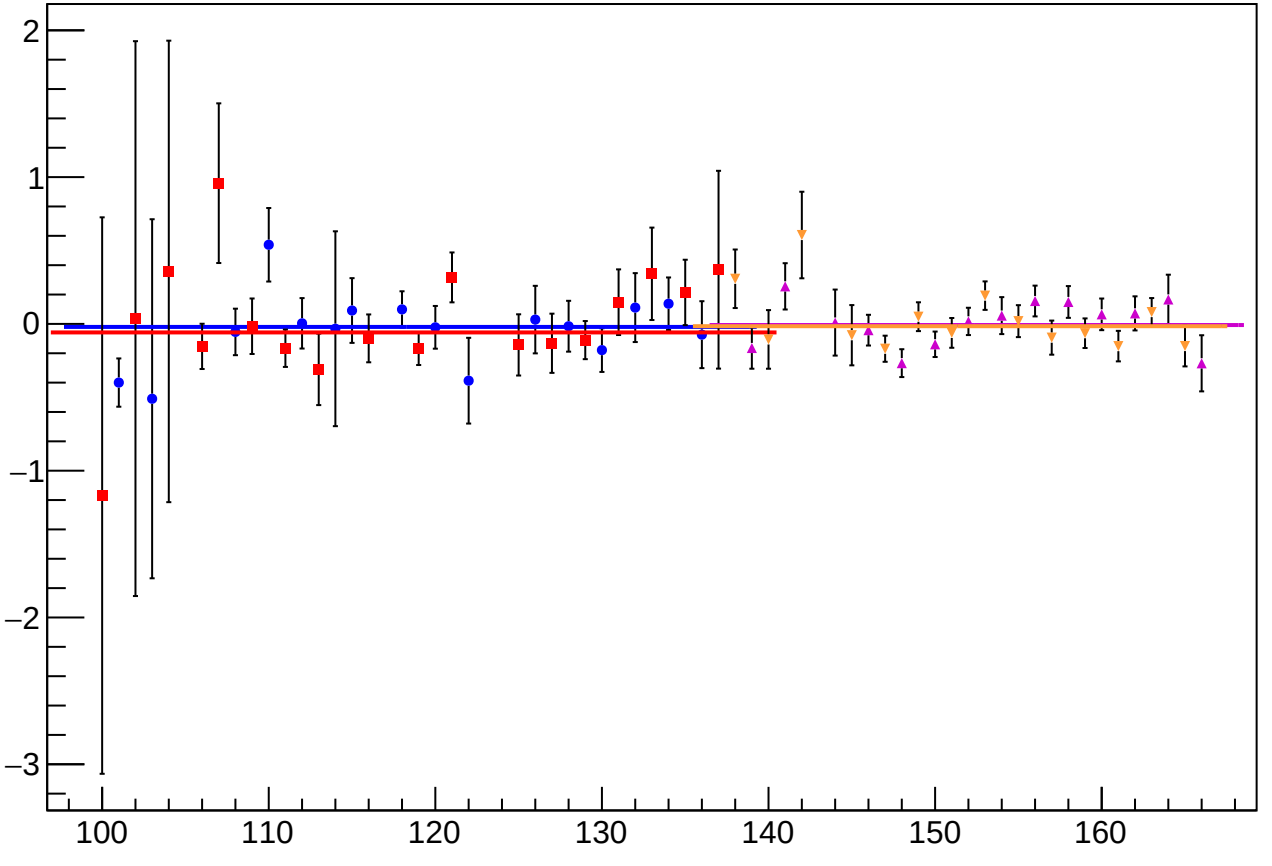
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.544+/-0.018 χ^2/NDF:3030471.9/29

Out: 97.211+/-0.018 χ^2/NDF:4123241.5/31

All: 99.850+/-0.013 χ^2/NDF: 7195786.9/61

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.031 χ^2/NDF:22.6/13

Left: -0.012+/-0.022 χ^2/NDF: 42.7/27

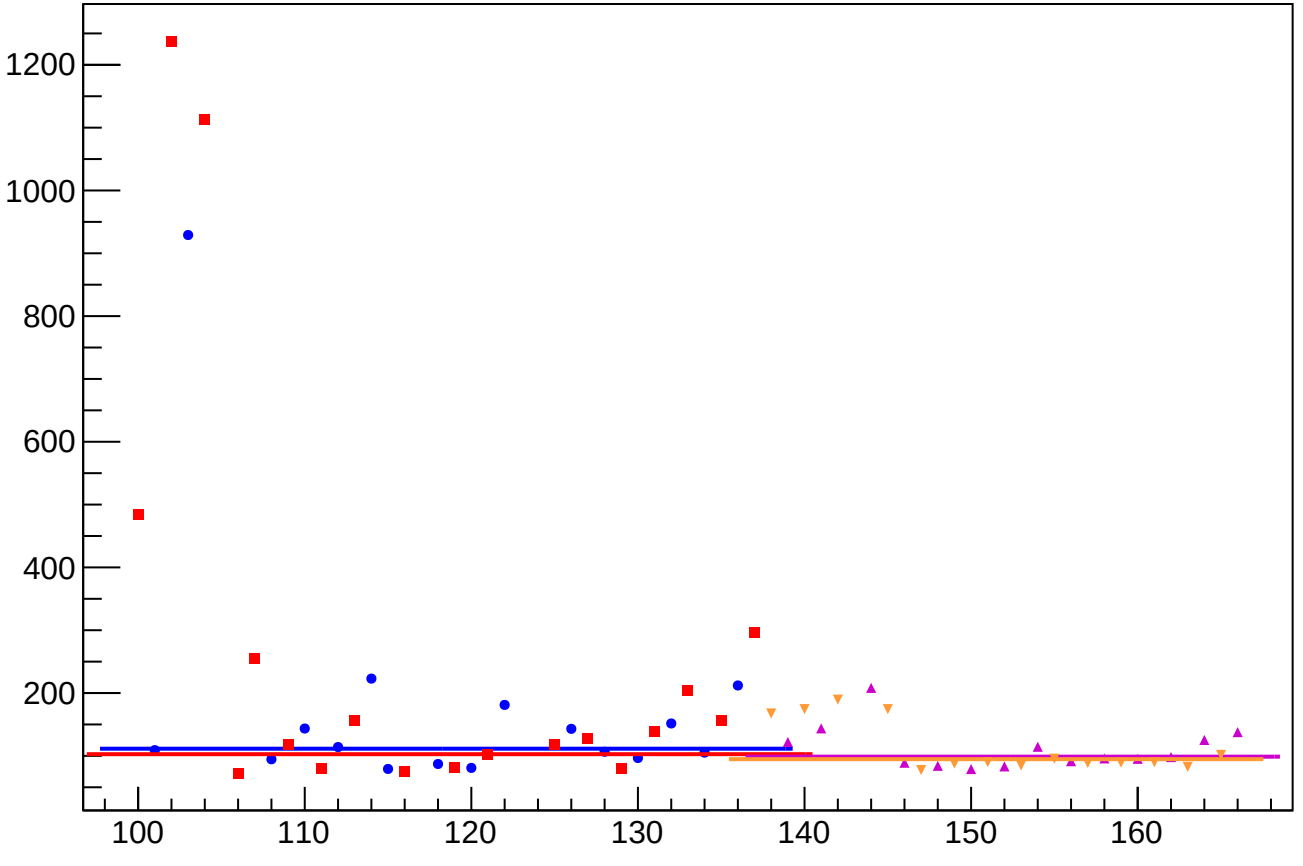
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.026 χ^2/NDF:38.3/29

Out: -0.029+/-0.026 χ^2/NDF:37.4/31

All: -0.020+/-0.018 χ^2/NDF: 76.0/61

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256215.5/13

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.728+/-0.022 χ^2/NDF:1092047.6/13

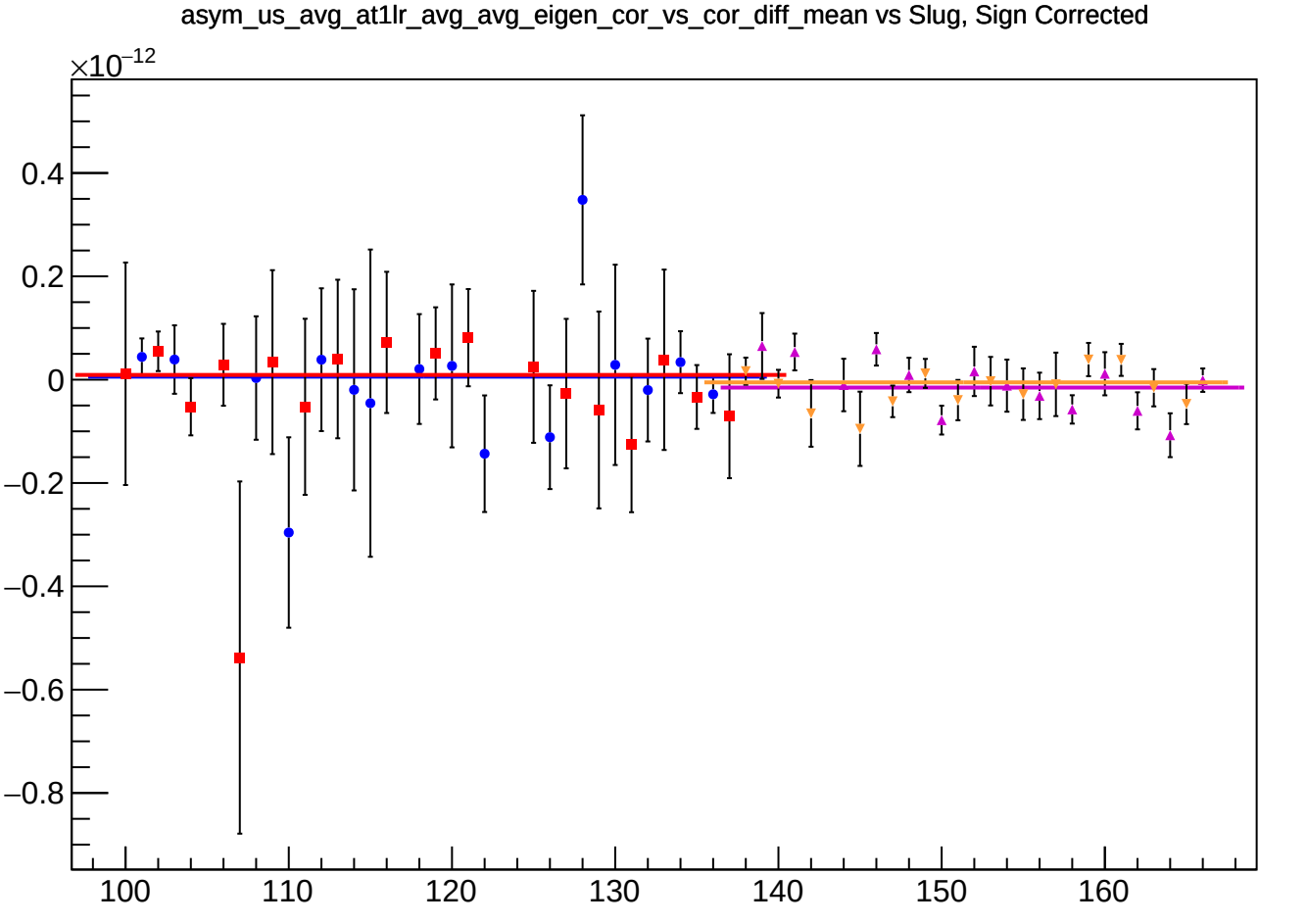
Left: 96.732+/-0.016 χ^2/NDF: 2364512.2/27

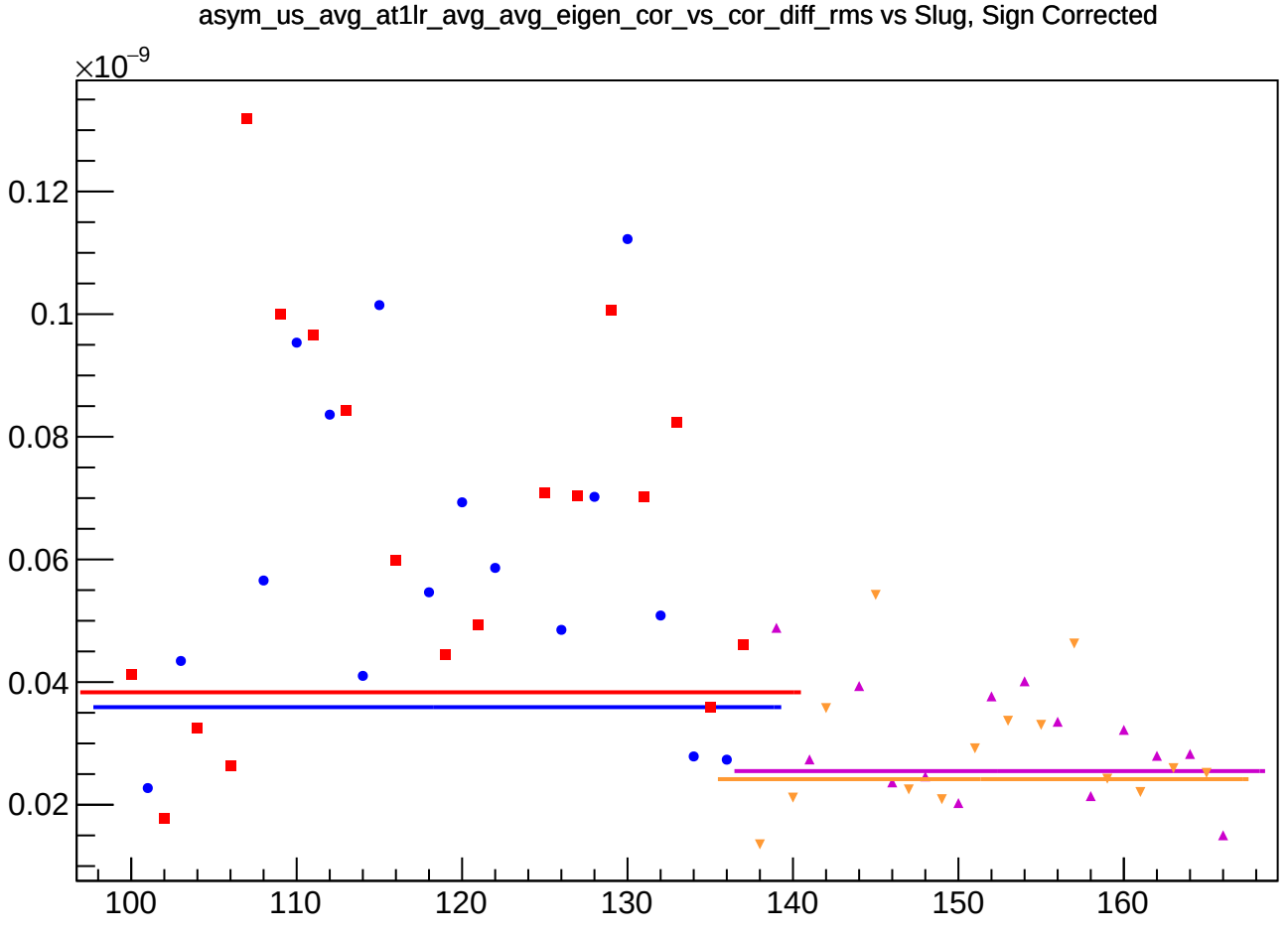
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.544+/-0.018 χ^2/NDF:3030471.9/29

Out: 97.211+/-0.018 χ^2/NDF:4123241.5/31

All: 99.850+/-0.013 χ^2/NDF: 7195786.9/61


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:26.6/13
Left: -0.000+/-0.000 χ²/NDF: 38.1/27
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:40.4/29
Out: -0.000+/-0.000 χ²/NDF:20.1/31
All: -0.000+/-0.000 χ²/NDF: 61.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1253392.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1405138.3/13

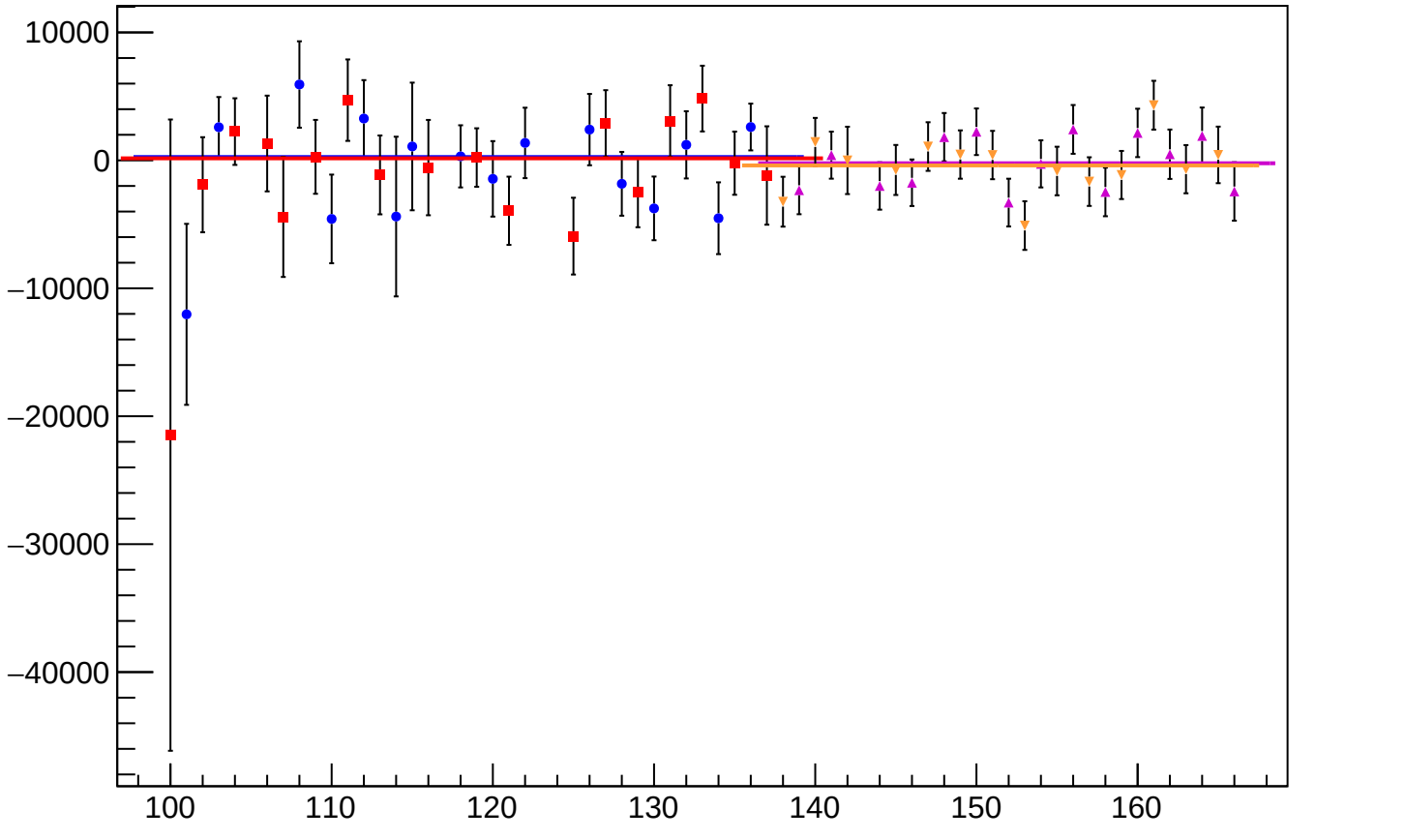
Left: 0.000+/-0.000 χ^2/NDF: 2677581.1/27

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:3638781.1/29

Out: 0.000+/-0.000 χ^2/NDF:4172830.9/31

All: 0.000+/-0.000 χ^2/NDF: 7825666.8/61



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.218+/-522.573 χ^2/NDF:17.1/13

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -225.784+/-510.854 χ^2/NDF:15.6/13

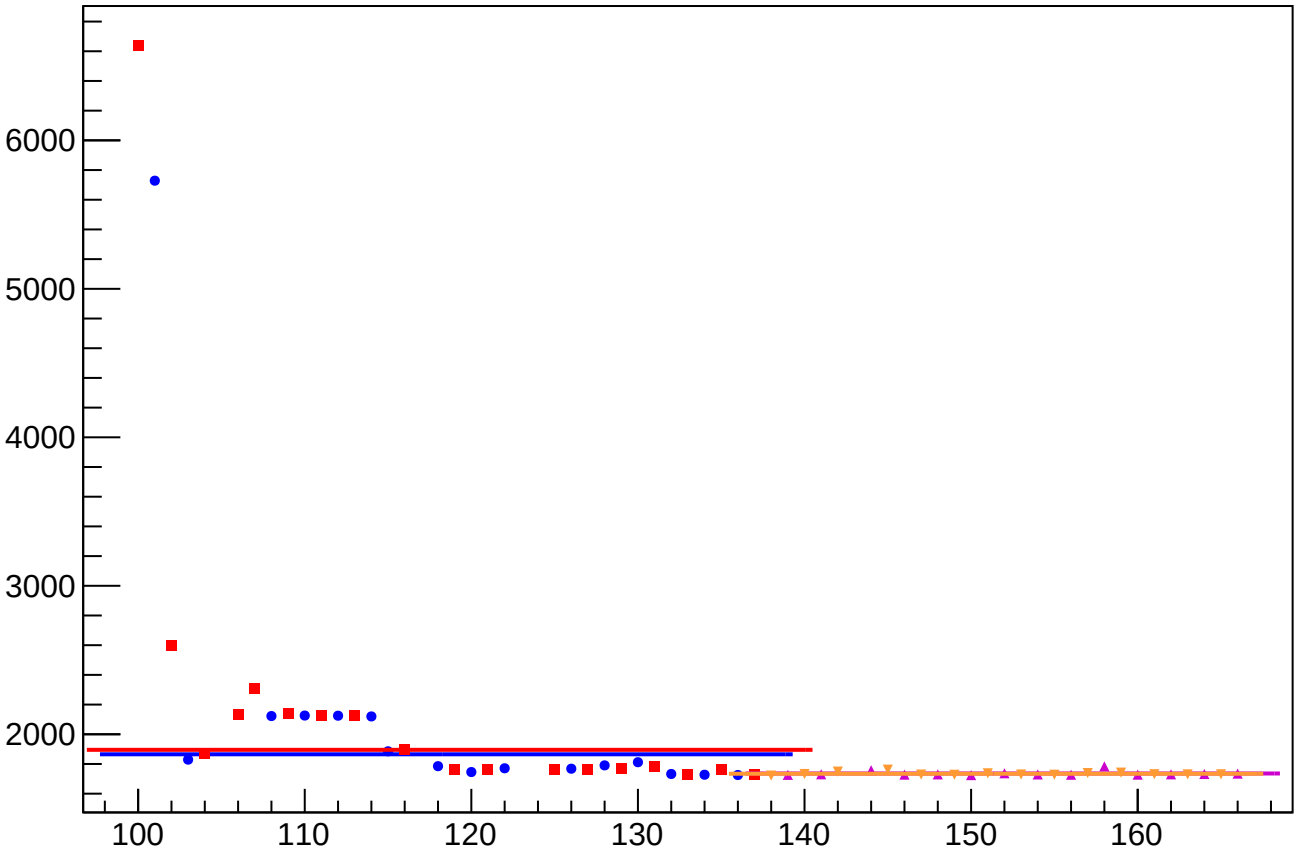
Left: -308.091+/-365.301 χ^2/NDF: 32.8/27

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -60.157+/-414.611 χ^2/NDF:35.3/29

Out: -200.536+/-421.346 χ^2/NDF:35.6/31

All: -129.216+/-295.527 χ^2/NDF: 71.0/61



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.942+/-0.361 χ^2/NDF:1885.9/13

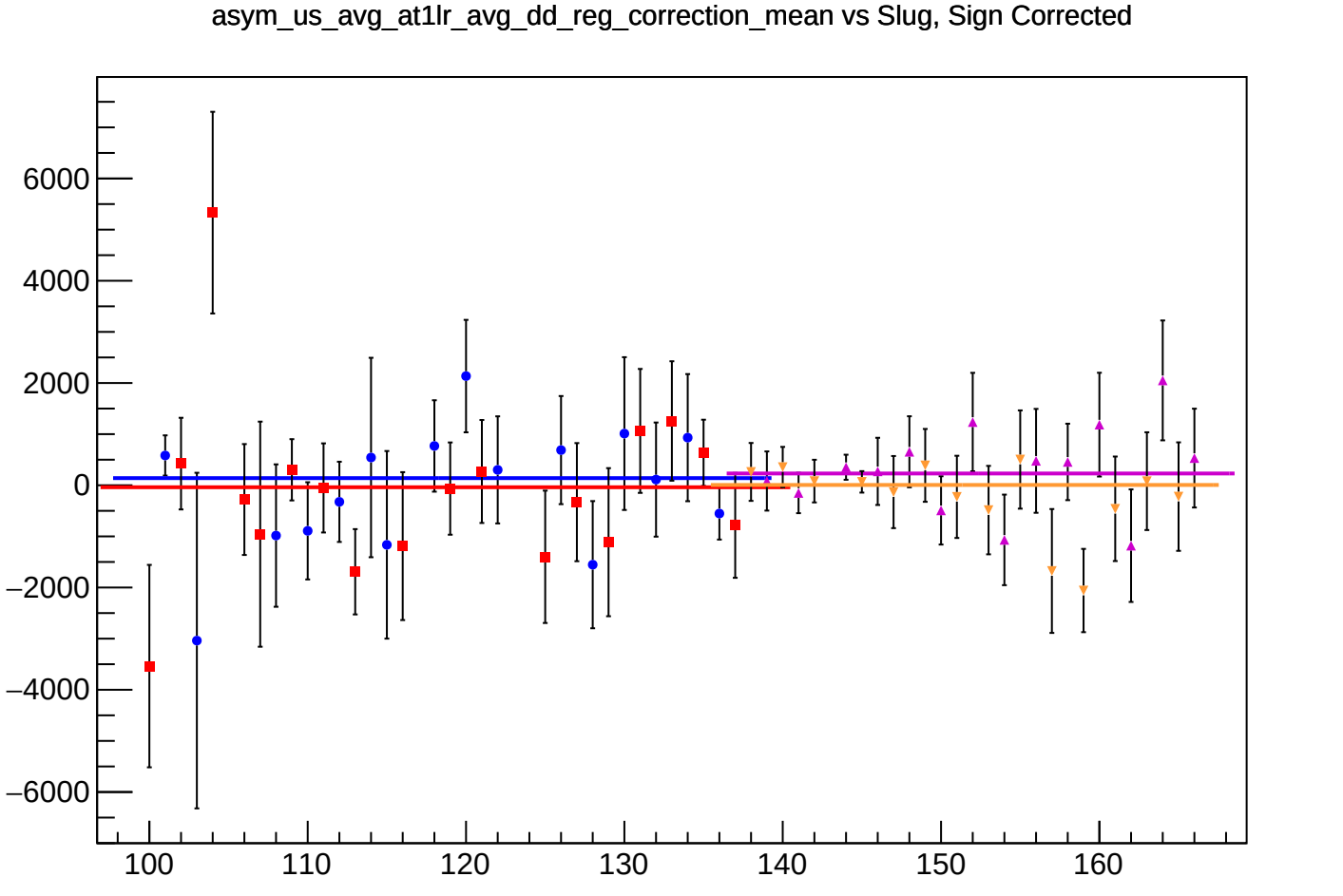
Left: 1735.085+/-0.258 χ^2/NDF: 2592.9/27

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

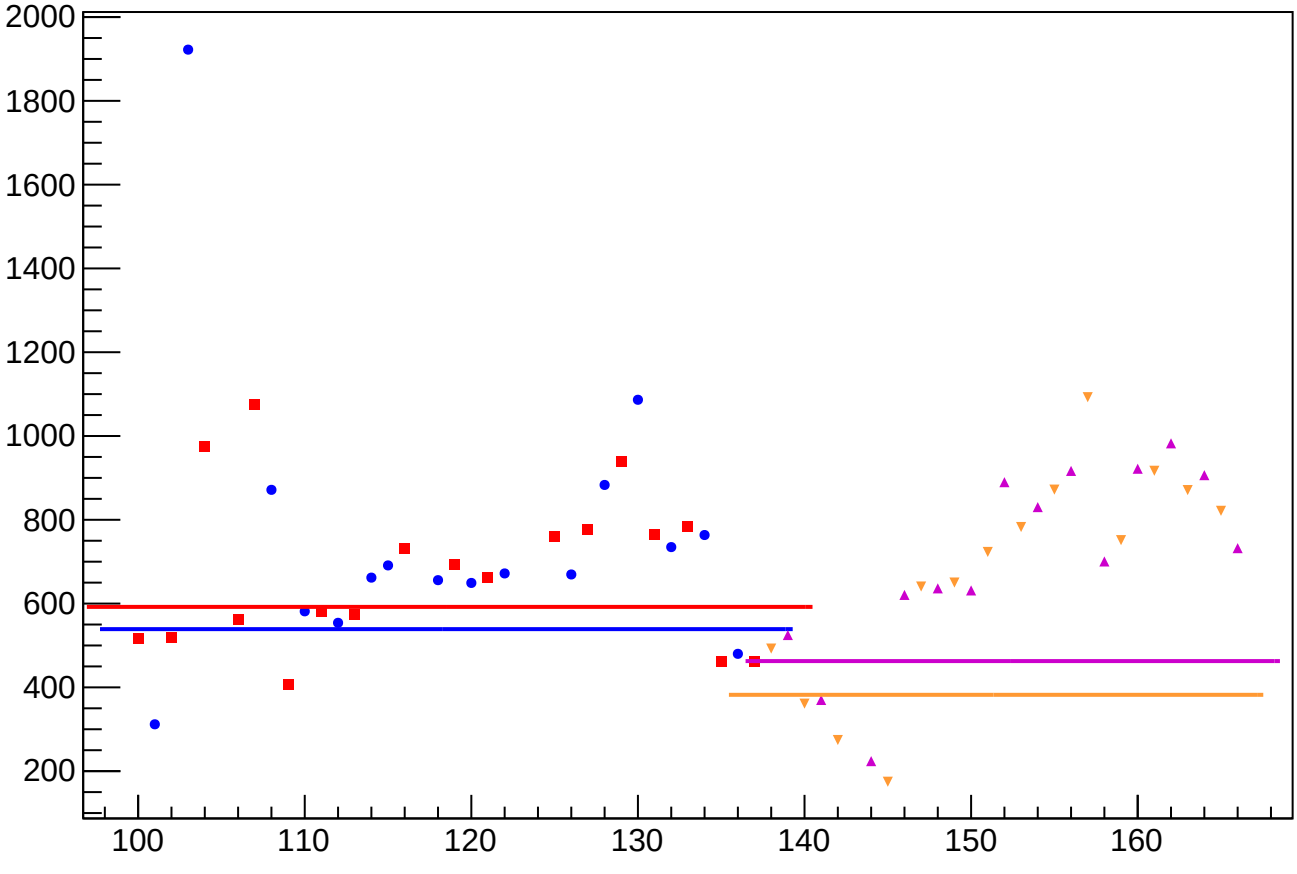
In: 1780.048+/-0.293 χ^2/NDF:718290.6/29

Out: 1790.543+/-0.298 χ^2/NDF:317976.4/31

All: 1785.211+/-0.209 χ^2/NDF: 1036897.4/61


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 139.799+/-220.100 χ²/NDF: 13.5/15
Left Out: 6.008+/-140.000 χ²/NDF:10.7/13
Right Out: -38.629+/-238.253 χ²/NDF: 21.4/17
Left In: 230.308+/-155.459 χ²/NDF:11.2/13
Left: 106.455+/-104.032 χ²/NDF: 23.1/27
Right: 57.640+/-161.672 χ²/NDF: 35.2/33
In: 200.184+/-126.979 χ²/NDF:24.8/29
Out: -5.449+/-120.704 χ²/NDF:32.1/31
All: 92.161+/-87.485 χ²/NDF: 58.3/61

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 382.216+/-0.099 χ^2/NDF:6540775.0/13

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 462.733+/-0.110 χ^2/NDF:5038676.7/13

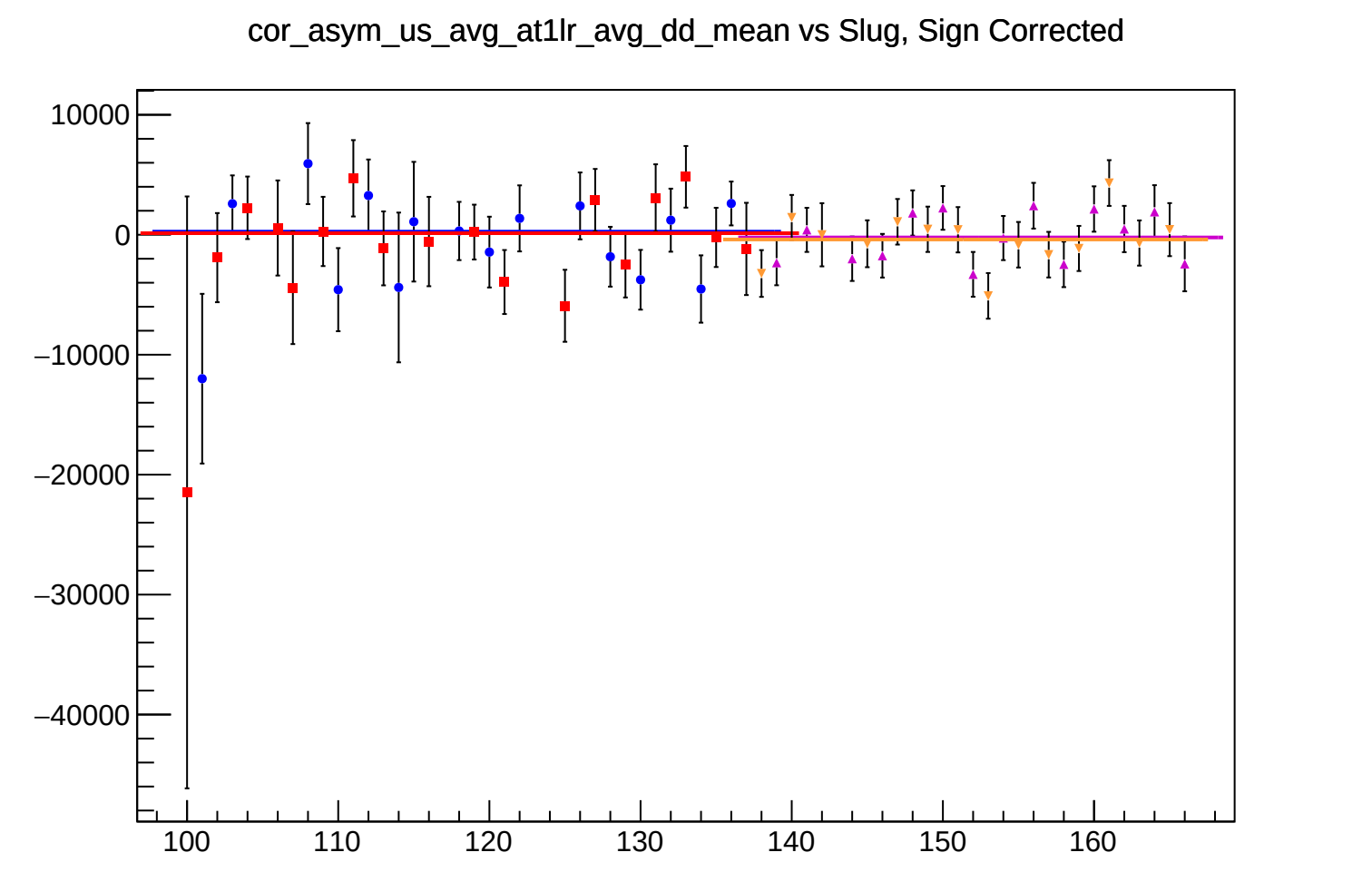
Left: 418.273+/-0.074 χ^2/NDF: 11875699.7/27

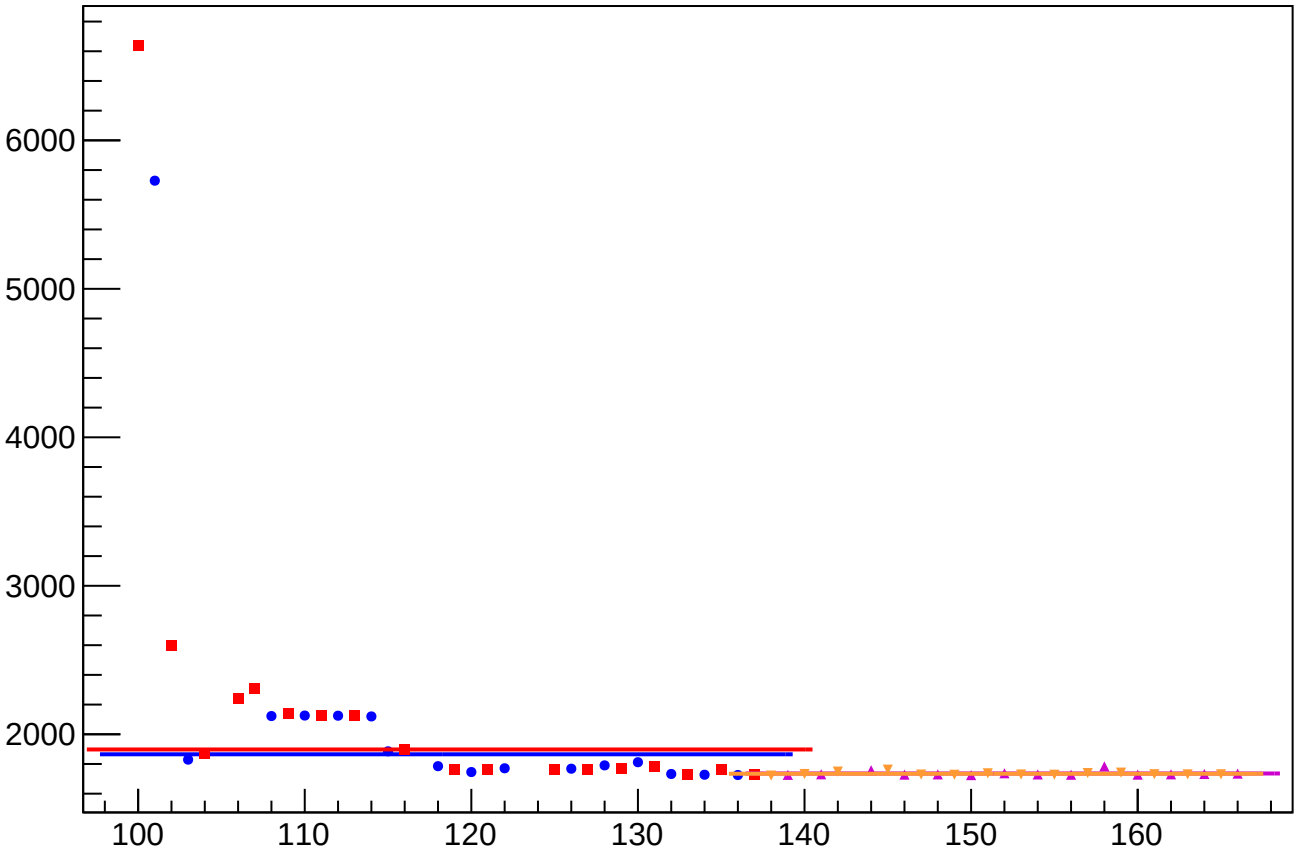
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 488.122+/-0.090 χ^2/NDF:7053534.5/29

Out: 436.086+/-0.085 χ^2/NDF:8537562.5/31

All: 460.787+/-0.062 χ^2/NDF: 15767540.4/61


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -394.203+/-522.573 χ²/NDF:17.1/13
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -225.811+/-510.854 χ²/NDF:15.6/13
Left: -308.098+/-365.301 χ²/NDF: 32.8/27
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -60.111+/-414.611 χ²/NDF:35.3/29
Out: -211.242+/-421.637 χ²/NDF:35.5/31
All: -134.407+/-295.627 χ²/NDF: 70.8/61



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.942+/-0.361 χ^2/NDF:1885.9/13

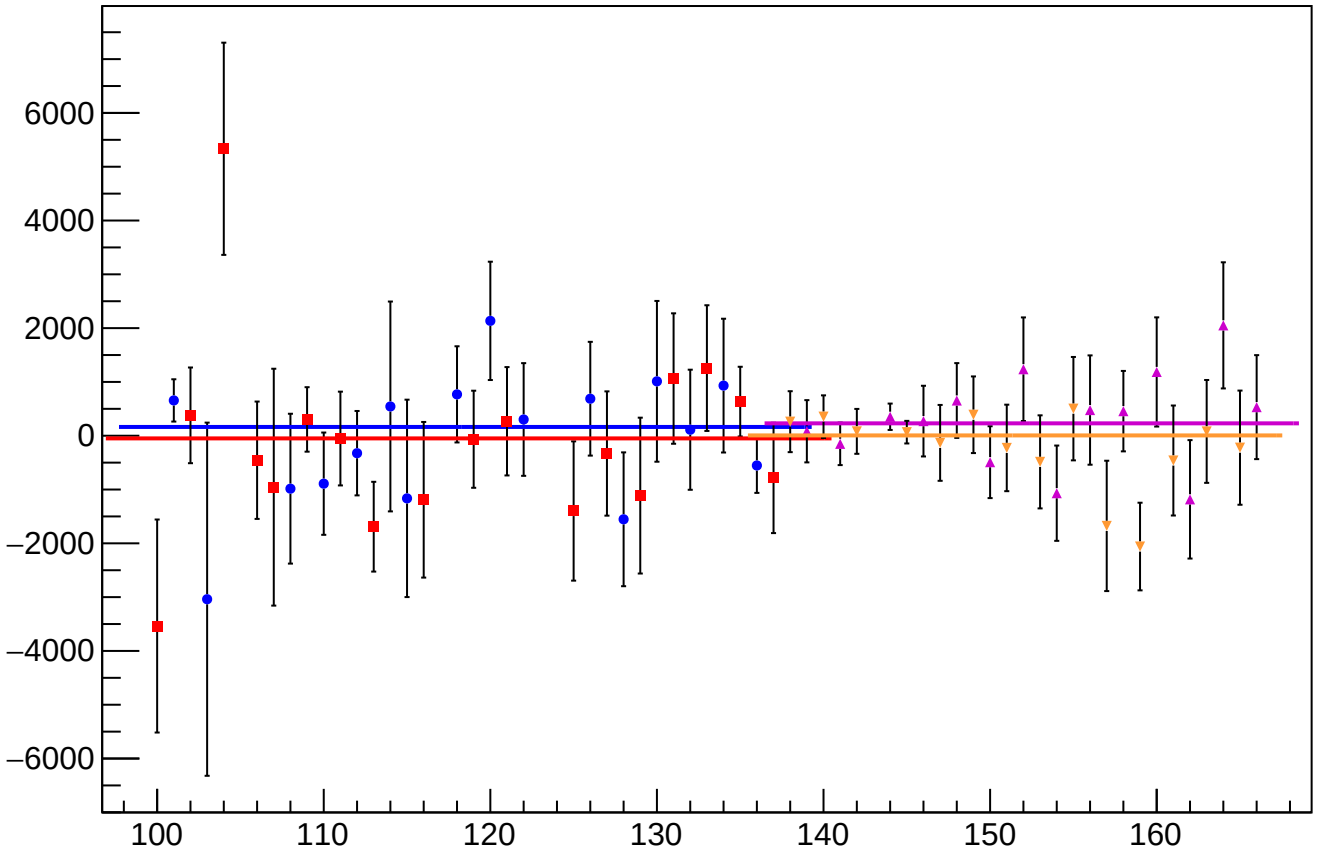
Left: 1735.085+/-0.258 χ^2/NDF: 2592.9/27

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1780.048+/-0.293 χ^2/NDF:718290.5/29

Out: 1791.253+/-0.298 χ^2/NDF:326767.1/31

All: 1785.556+/-0.209 χ^2/NDF: 1045775.7/61



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.854+/-140.003 χ^2/NDF:10.7/13

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.299+/-155.459 χ^2/NDF:11.2/13

Left: 106.367+/-104.033 χ^2/NDF: 23.1/27

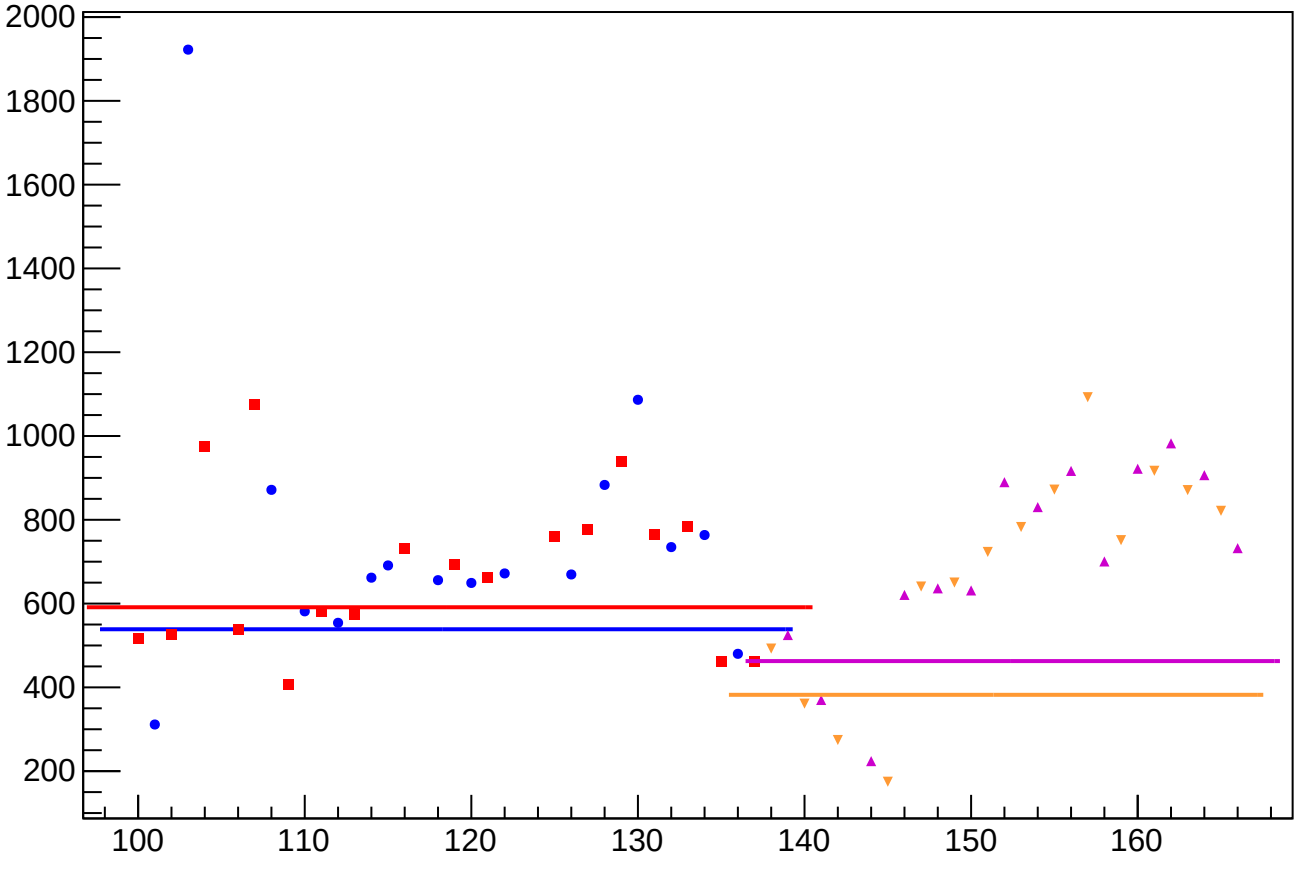
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 207.939+/-126.965 χ^2/NDF:25.2/29

Out: -8.389+/-120.698 χ^2/NDF:32.2/31

All: 94.305+/-87.478 χ^2/NDF: 58.9/61

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 382.225+/-0.099 χ^2/NDF:6540538.4/13

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 462.741+/-0.110 χ^2/NDF:5038338.1/13

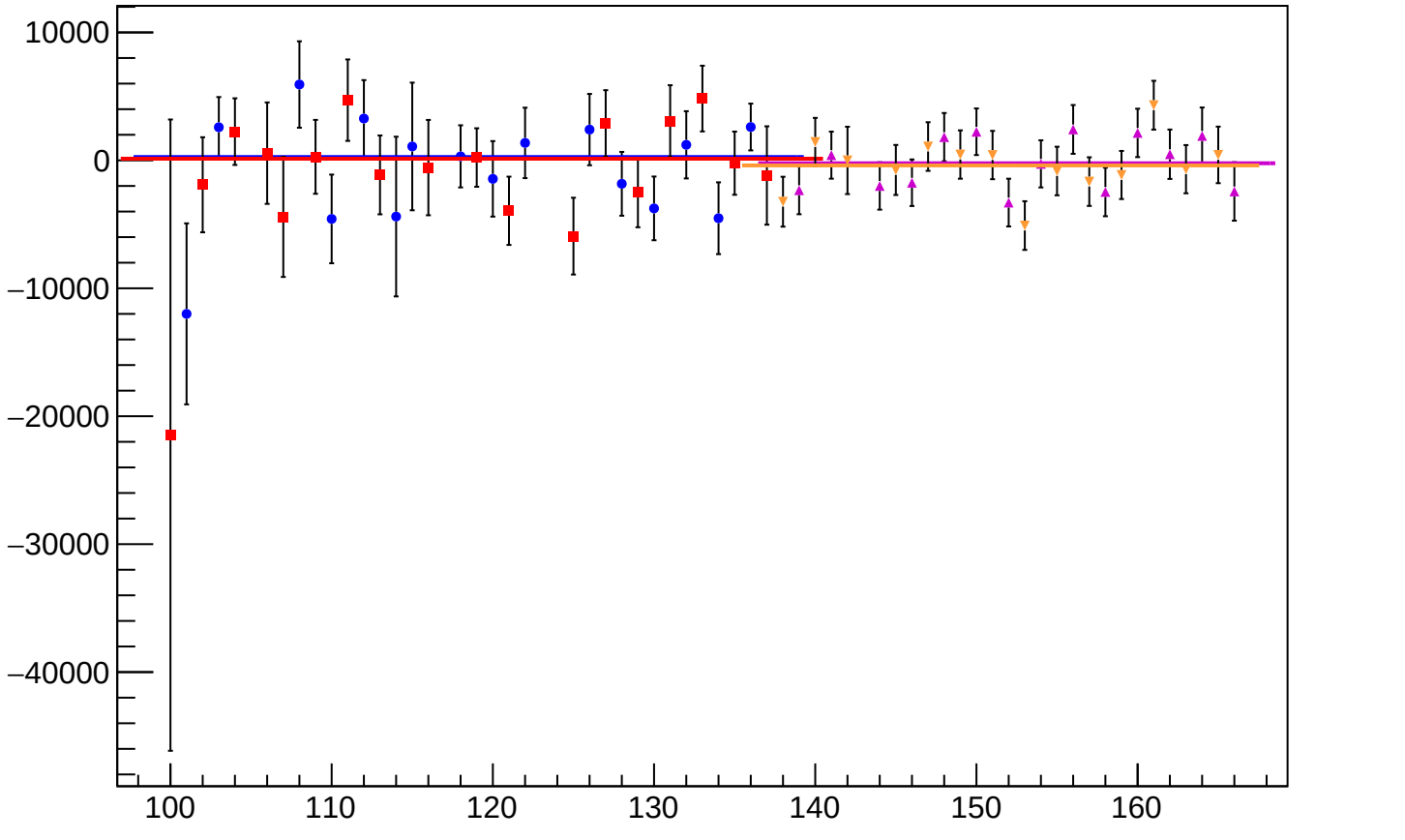
Left: 418.283+/-0.074 χ^2/NDF: 11875112.4/27

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 488.036+/-0.090 χ^2/NDF:7056237.8/29

Out: 435.892+/-0.085 χ^2/NDF:8529652.0/31

All: 460.645+/-0.062 χ^2/NDF: 15763089.5/61



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.203+/-522.573 χ^2/NDF:17.1/13

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -225.811+/-510.854 χ^2/NDF:15.6/13

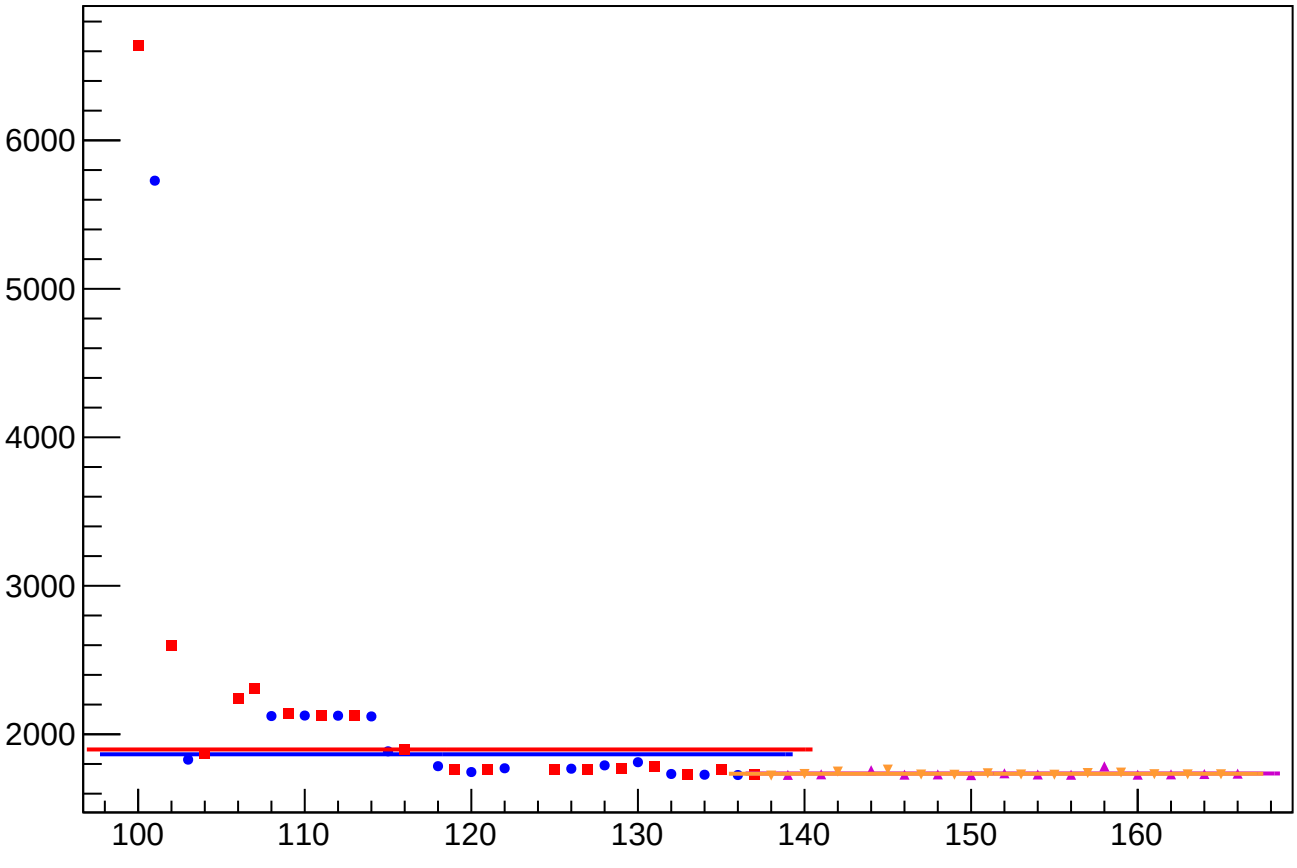
Left: -308.098+/-365.301 χ^2/NDF: 32.8/27

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -60.111+/-414.611 χ^2/NDF:35.3/29

Out: -211.242+/-421.637 χ^2/NDF:35.5/31

All: -134.407+/-295.627 χ^2/NDF: 70.8/61



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.942+/-0.361 χ^2/NDF:1885.9/13

Left: 1735.085+/-0.258 χ^2/NDF: 2592.9/27

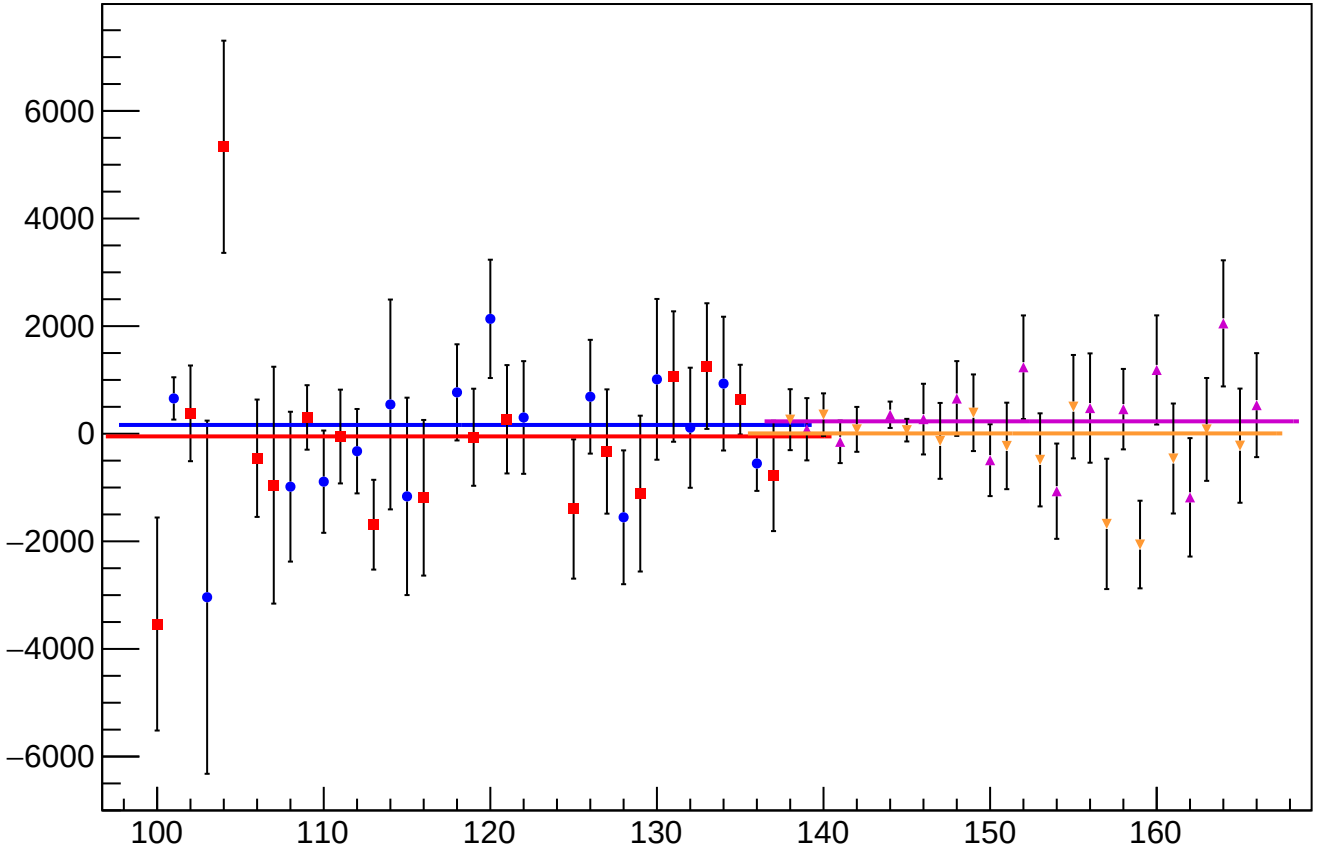
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1780.048+/-0.293 χ^2/NDF:718290.5/29

Out: 1791.253+/-0.298 χ^2/NDF:326767.1/31

All: 1785.556+/-0.209 χ^2/NDF: 1045775.7/61

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.854+/-140.003 χ^2/NDF:10.7/13

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.299+/-155.459 χ^2/NDF:11.2/13

Left: 106.367+/-104.033 χ^2/NDF: 23.1/27

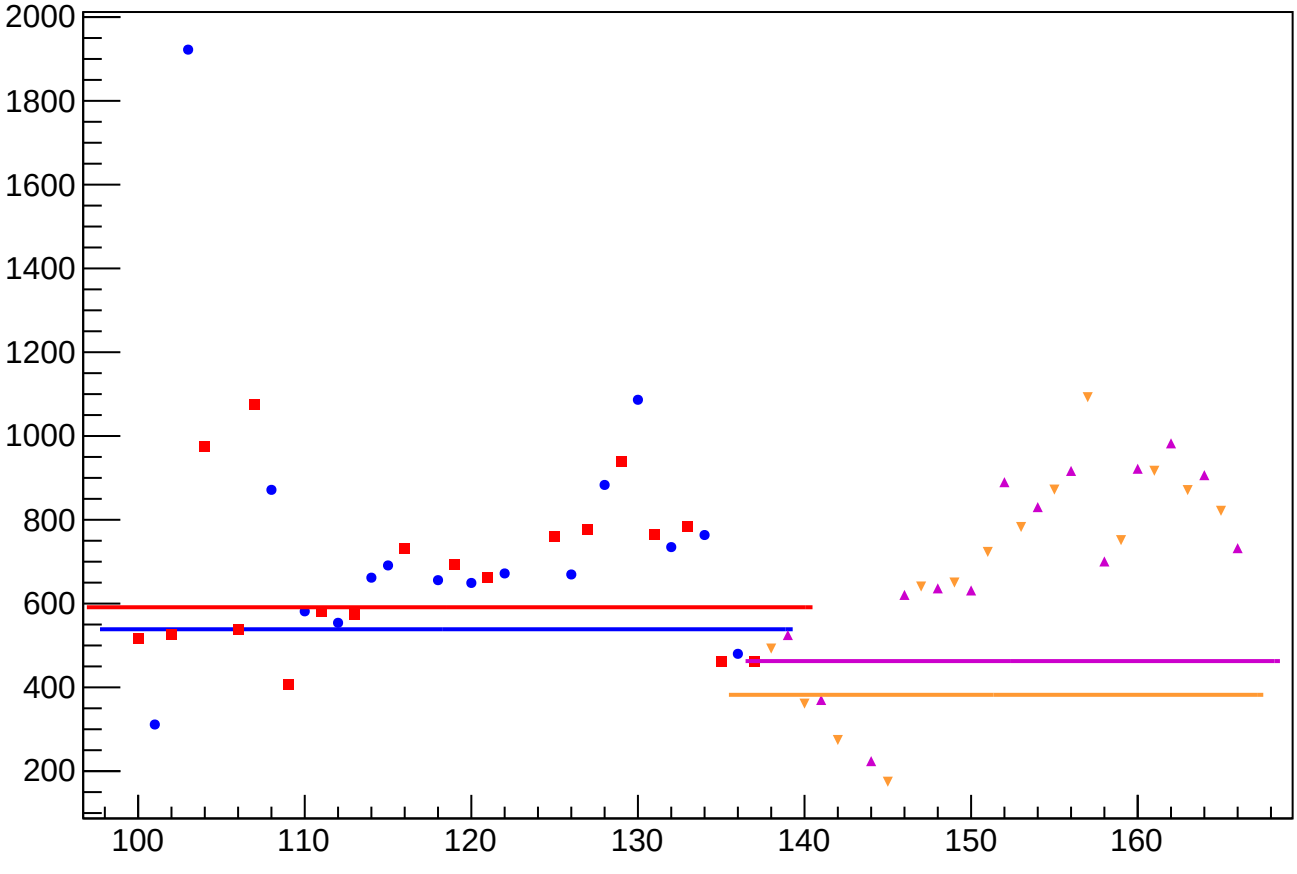
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 207.939+/-126.965 χ^2/NDF:25.2/29

Out: -8.389+/-120.698 χ^2/NDF:32.2/31

All: 94.305+/-87.478 χ^2/NDF: 58.9/61

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 382.225+/-0.099 χ^2/NDF:6540538.4/13

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 462.741+/-0.110 χ^2/NDF:5038338.1/13

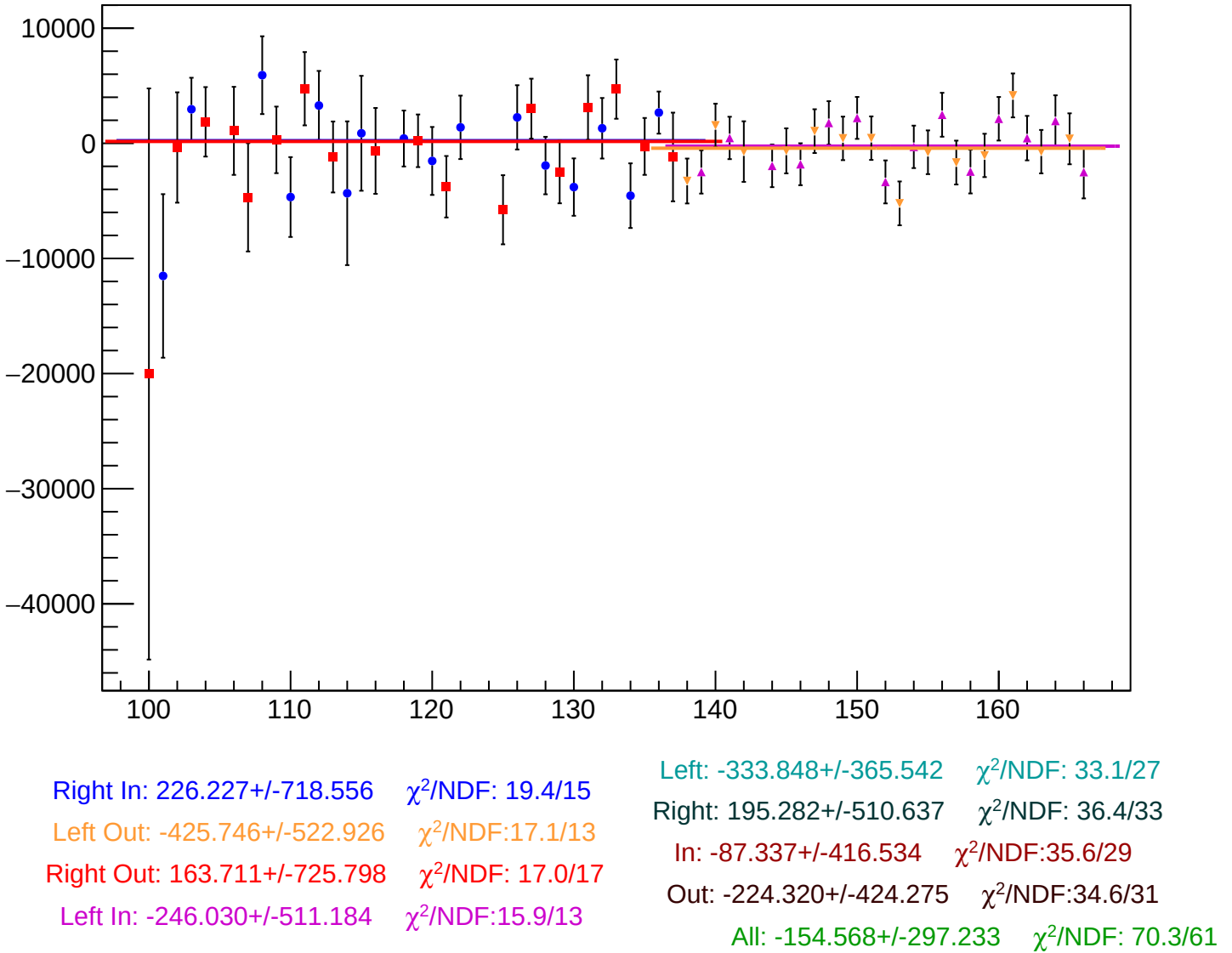
Left: 418.283+/-0.074 χ^2/NDF: 11875112.4/27

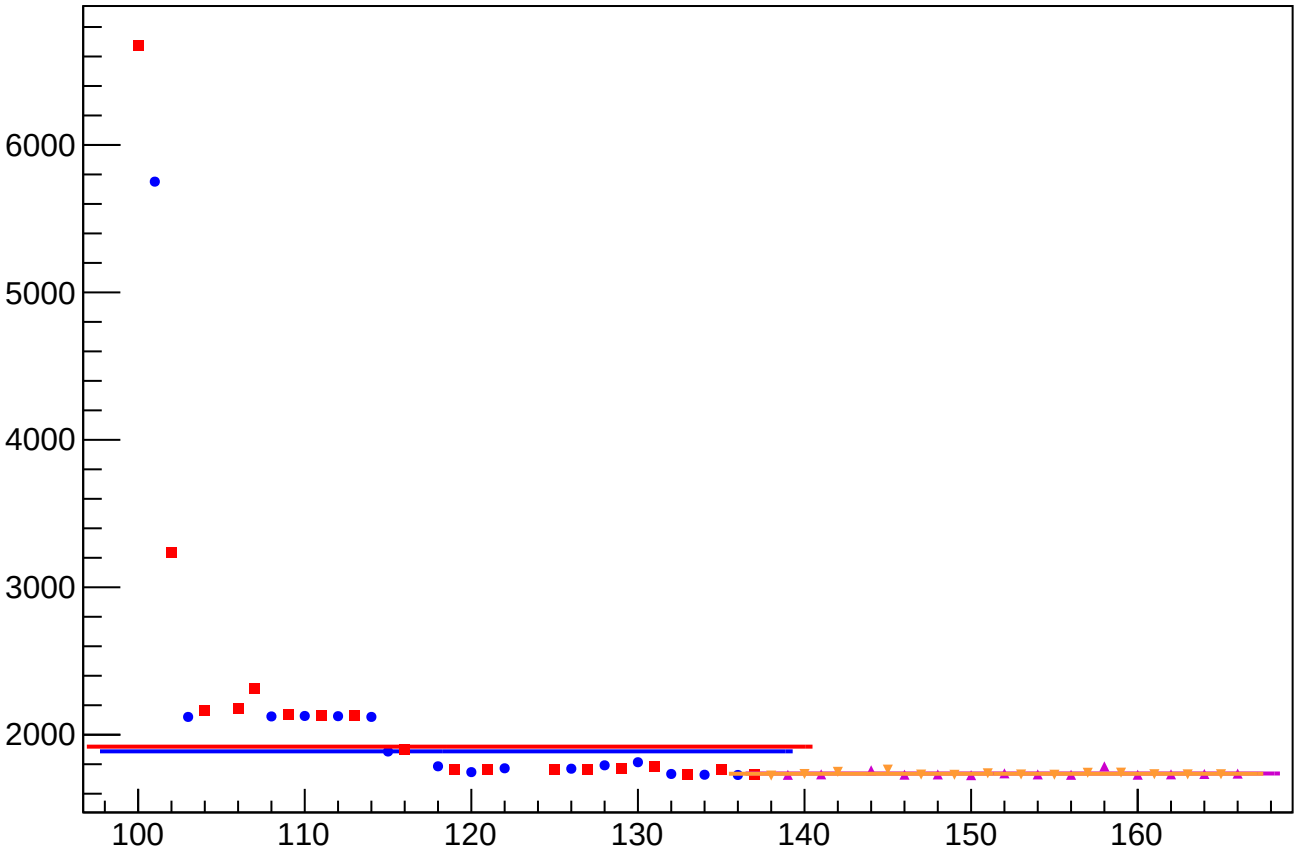
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 488.036+/-0.090 χ^2/NDF:7056237.8/29

Out: 435.892+/-0.085 χ^2/NDF:8529652.0/31

All: 460.645+/-0.062 χ^2/NDF: 15763089.5/61


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -425.746+/-522.926 χ²/NDF:17.1/13
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -246.030+/-511.184 χ²/NDF:15.9/13
Left: -333.848+/-365.542 χ²/NDF: 33.1/27
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -87.337+/-416.534 χ²/NDF:35.6/29
Out: -224.320+/-424.275 χ²/NDF:34.6/31
All: -154.568+/-297.233 χ²/NDF: 70.3/61



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.358+/-0.370 χ^2/NDF:700.5/13

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.061+/-0.361 χ^2/NDF:1884.5/13

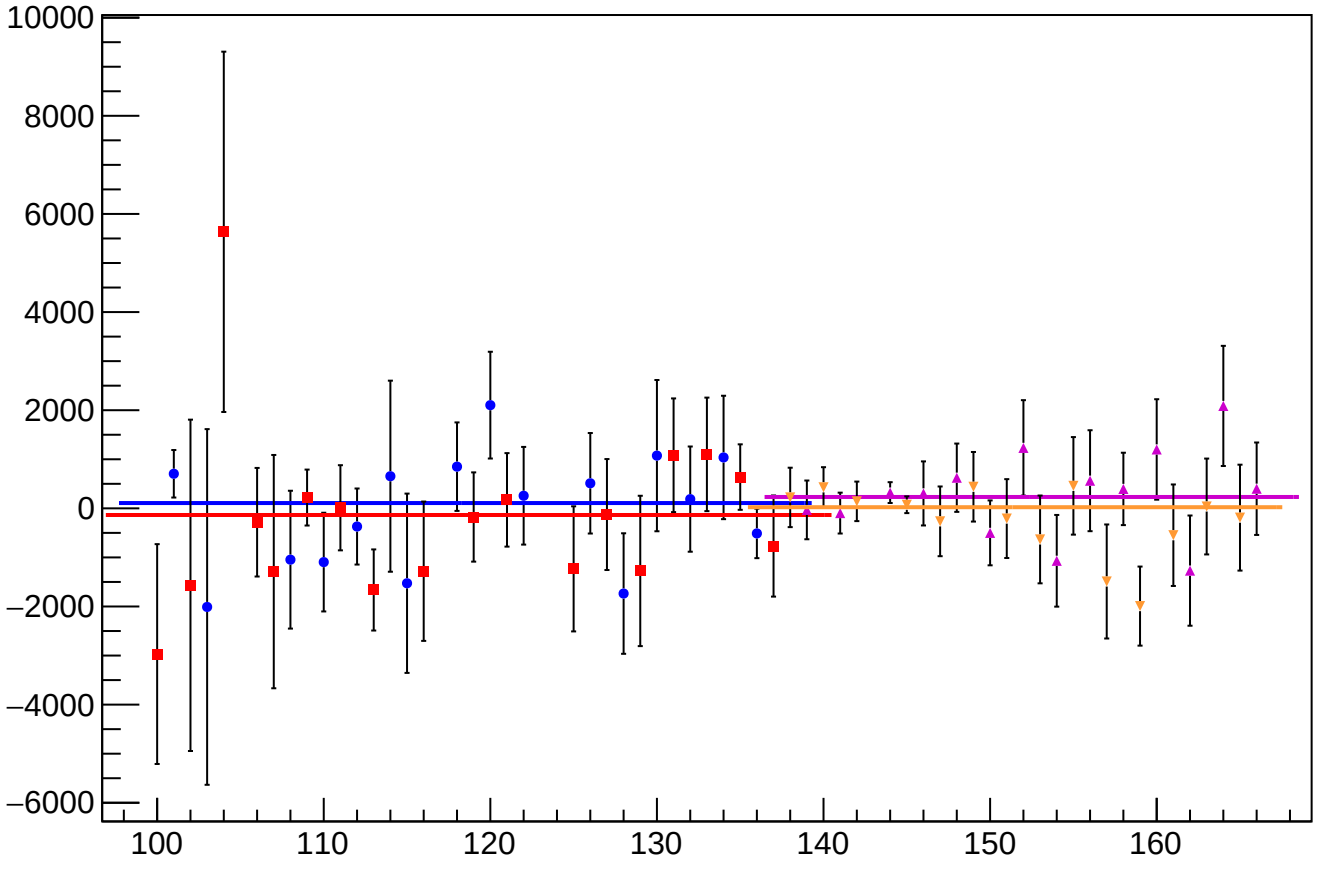
Left: 1736.229+/-0.258 χ^2/NDF: 2595.9/27

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1787.549+/-0.295 χ^2/NDF:749387.5/29

Out: 1798.167+/-0.300 χ^2/NDF:437704.9/31

All: 1792.761+/-0.210 χ^2/NDF: 1187730.2/61



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 23.298+/-126.781 χ^2/NDF:10.9/13

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 231.830+/-147.480 χ^2/NDF:10.7/13

Left: 111.915+/-96.140 χ^2/NDF: 22.7/27

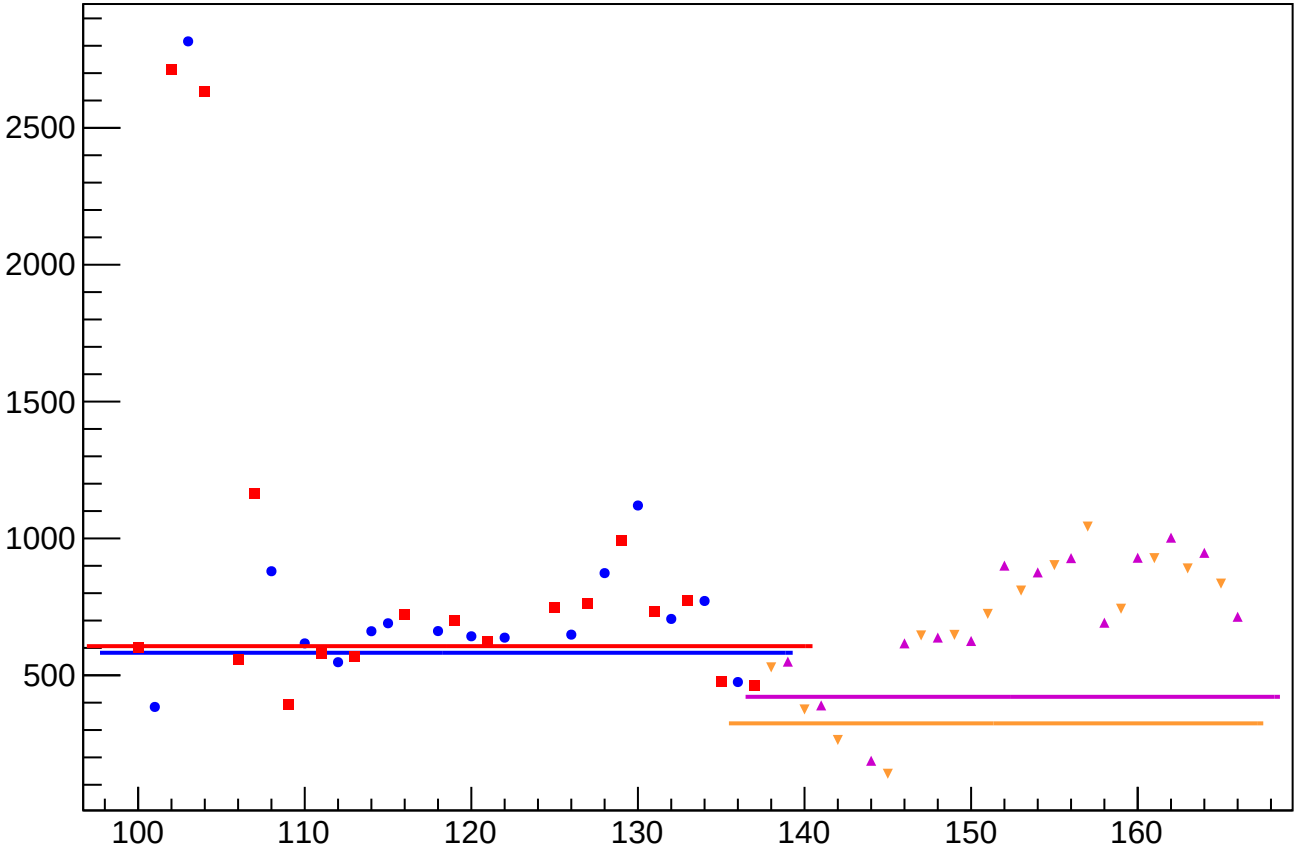
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 196.166+/-124.416 χ^2/NDF:25.1/29

Out: -10.013+/-112.689 χ^2/NDF:25.6/31

All: 82.904+/-83.522 χ^2/NDF: 52.1/61

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 324.361+/-0.090 χ^2/NDF:8332739.9/13

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 421.347+/-0.104 χ^2/NDF:6393319.2/13

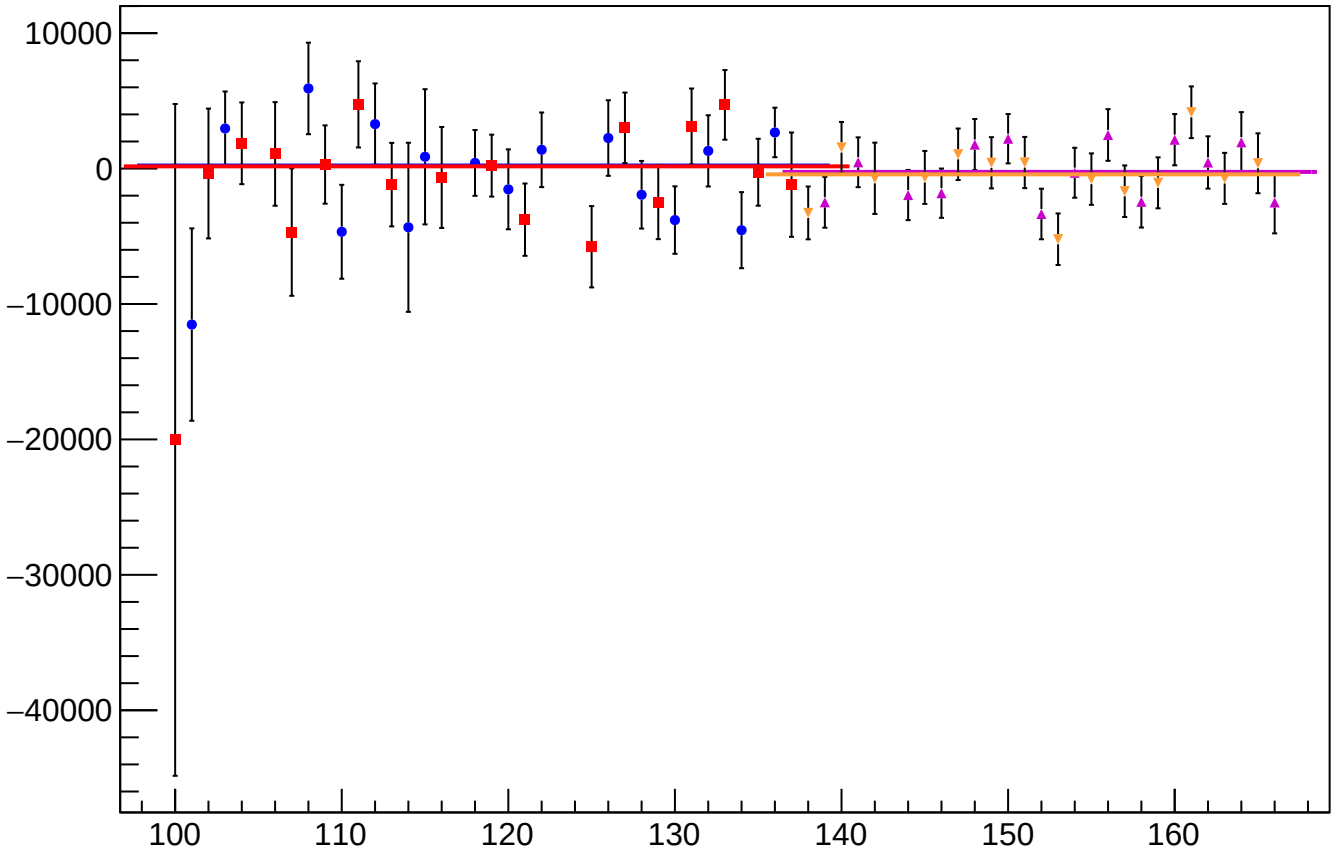
Left: 365.576+/-0.068 χ^2/NDF: 15223427.6/27

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 467.743+/-0.088 χ^2/NDF:8834158.9/29

Out: 383.588+/-0.080 χ^2/NDF:12609973.7/31

All: 421.513+/-0.059 χ^2/NDF: 21946796.9/61



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -425.750+/-522.926 χ^2/NDF:17.1/13

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -246.029+/-511.184 χ^2/NDF:15.9/13

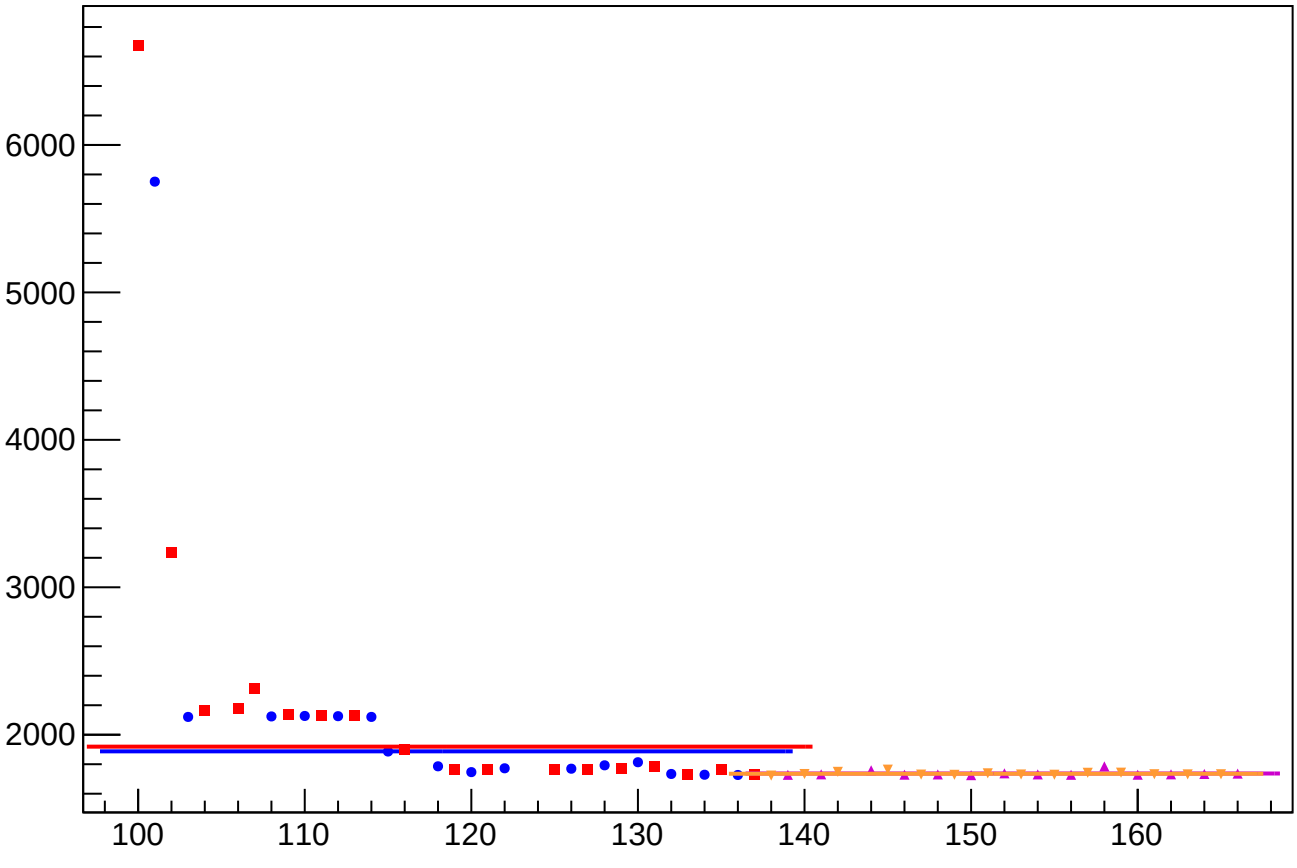
Left: -333.849+/-365.542 χ^2/NDF: 33.1/27

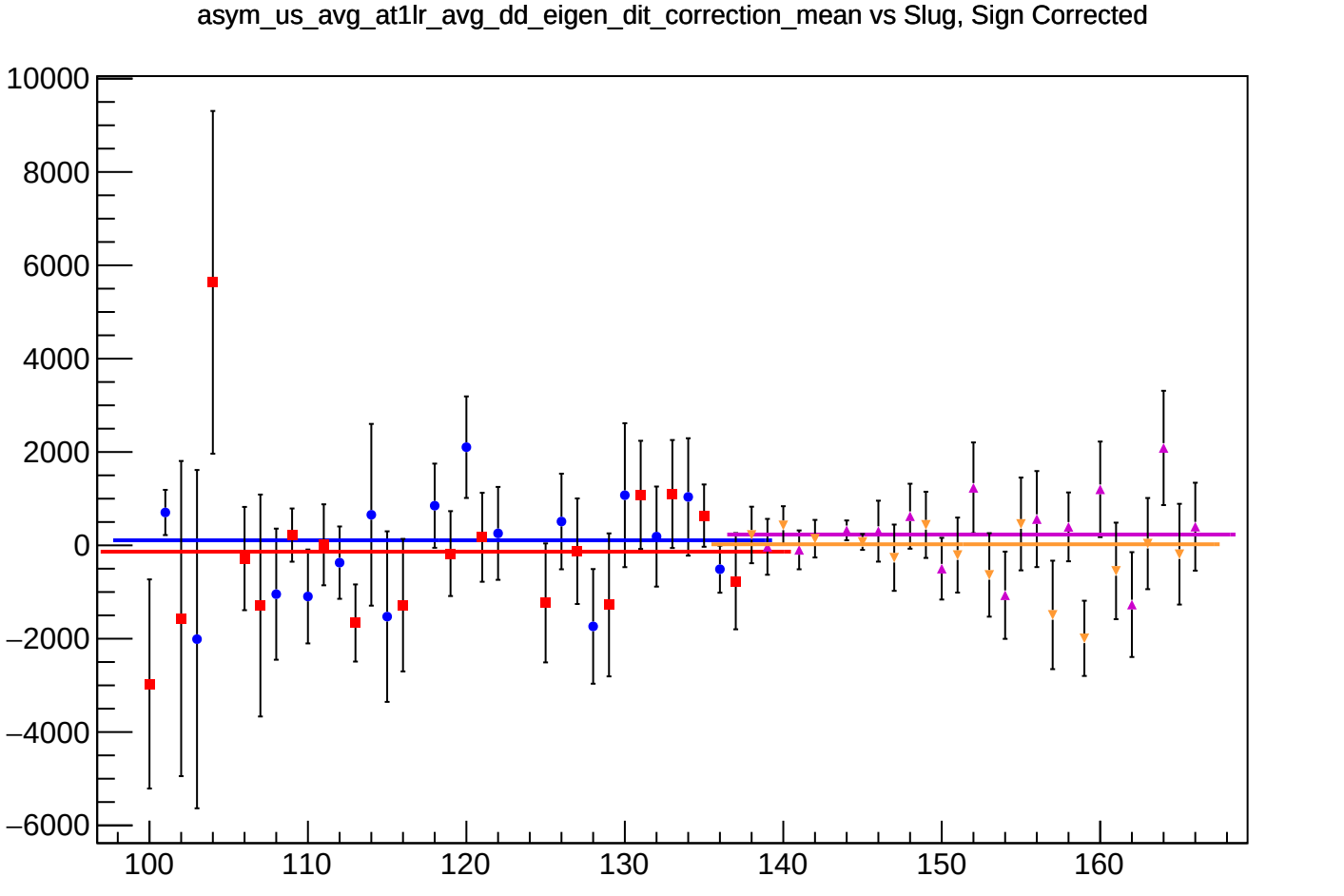
Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -87.336+/-416.534 χ^2/NDF:35.6/29

Out: -224.323+/-424.275 χ^2/NDF:34.6/31

All: -154.568+/-297.233 χ^2/NDF: 70.3/61


eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1887.310+/-0.508 χ²/NDF: 689442.4/15
Left Out: 1735.358+/-0.370 χ²/NDF:700.5/13
Right Out: 1919.164+/-0.513 χ²/NDF: 352566.4/17
Left In: 1737.061+/-0.361 χ²/NDF:1884.5/13
Left: 1736.229+/-0.258 χ²/NDF: 2595.9/27
Right: 1903.077+/-0.361 χ²/NDF: 1043954.3/33
In: 1787.549+/-0.295 χ²/NDF:749387.1/29
Out: 1798.167+/-0.300 χ²/NDF:437704.0/31
All: 1792.761+/-0.210 χ²/NDF: 1187728.9/61



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 23.296+/-126.782 χ^2/NDF:10.9/13

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 231.830+/-147.480 χ^2/NDF:10.7/13

Left: 111.914+/-96.140 χ^2/NDF: 22.7/27

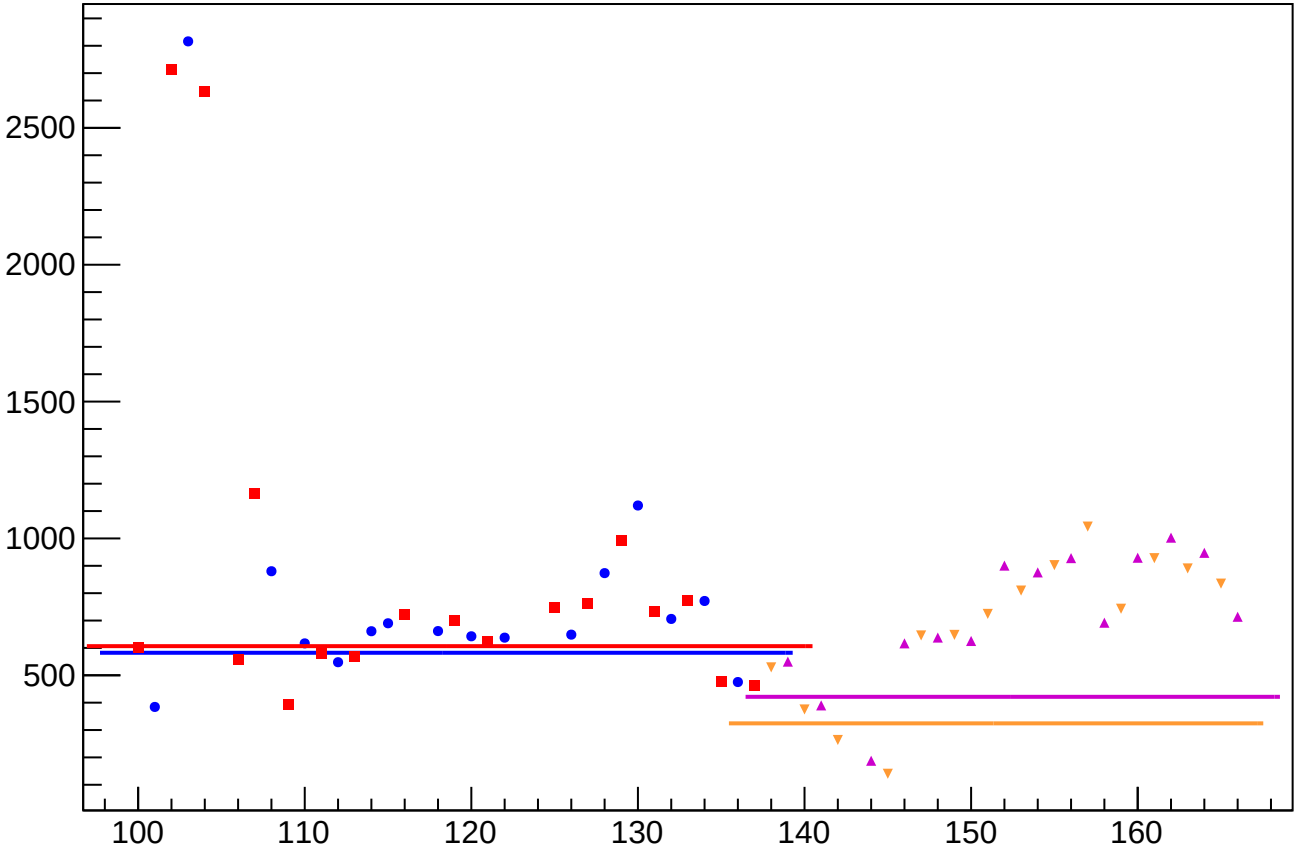
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 196.165+/-124.416 χ^2/NDF:25.1/29

Out: -10.014+/-112.689 χ^2/NDF:25.6/31

All: 82.903+/-83.522 χ^2/NDF: 52.1/61

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 324.361+/-0.090 χ^2/NDF:8332770.8/13

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 421.347+/-0.104 χ^2/NDF:6393338.3/13

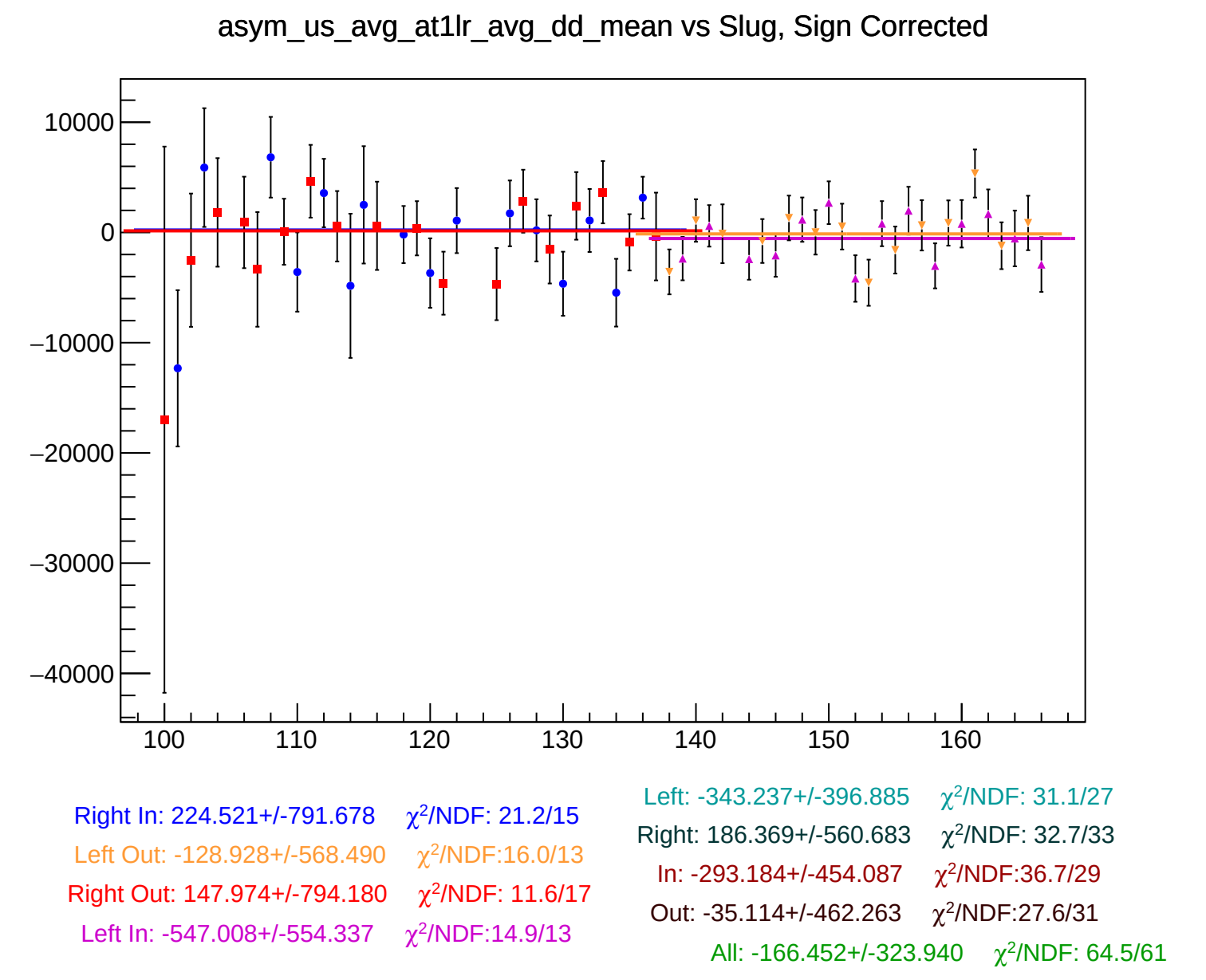
Left: 365.576+/-0.068 χ^2/NDF: 15223482.2/27

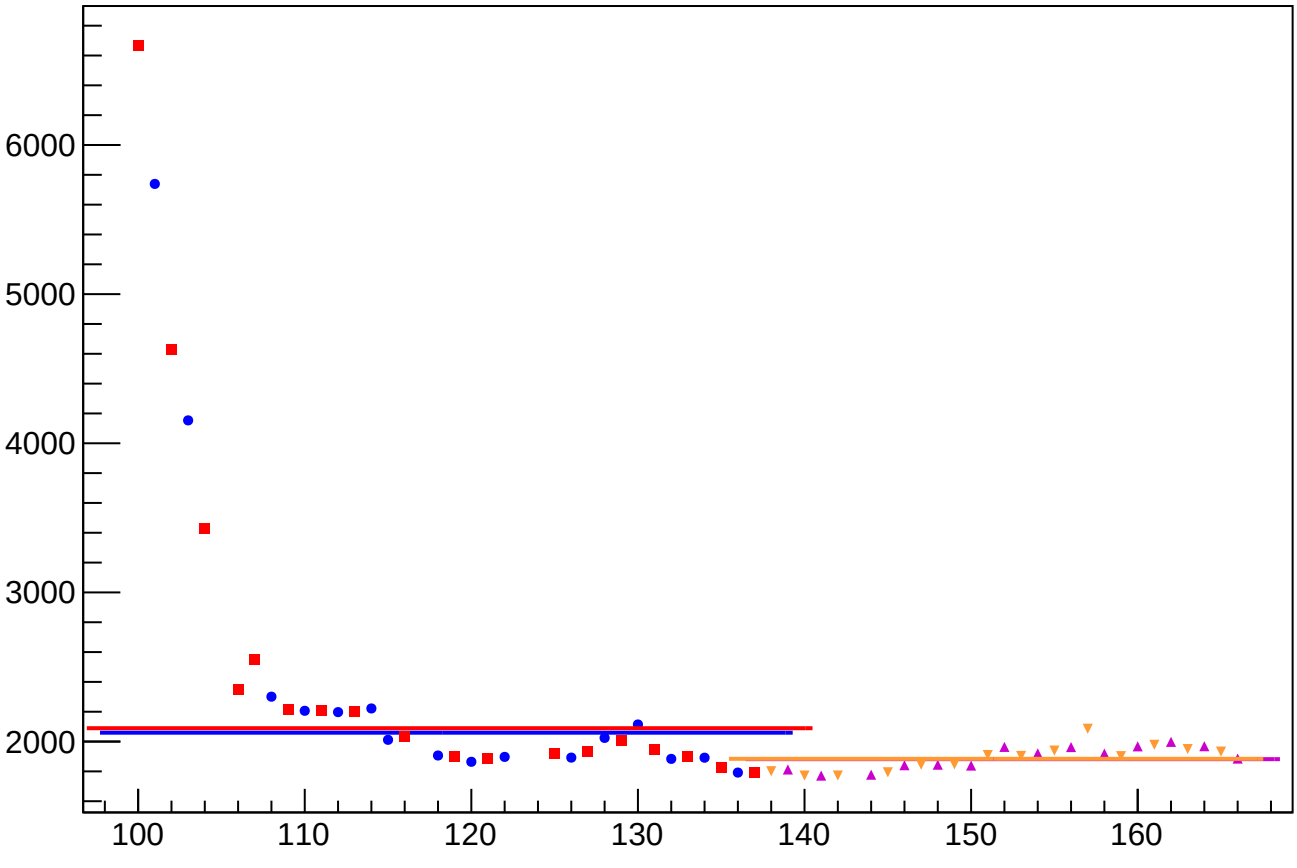
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 467.743+/-0.088 χ^2/NDF:8834149.2/29

Out: 383.588+/-0.080 χ^2/NDF:12609982.8/31

All: 421.513+/-0.059 χ^2/NDF: 21946801.8/61


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -128.928+/-568.490 χ²/NDF:16.0/13
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -547.008+/-554.337 χ²/NDF:14.9/13
Left: -343.237+/-396.885 χ²/NDF: 31.1/27
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -293.184+/-454.087 χ²/NDF:36.7/29
Out: -35.114+/-462.263 χ²/NDF:27.6/31
All: -166.452+/-323.940 χ²/NDF: 64.5/61



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1884.291+/-0.402 χ^2/NDF:43099.2/13

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1882.082+/-0.392 χ^2/NDF:36252.4/13

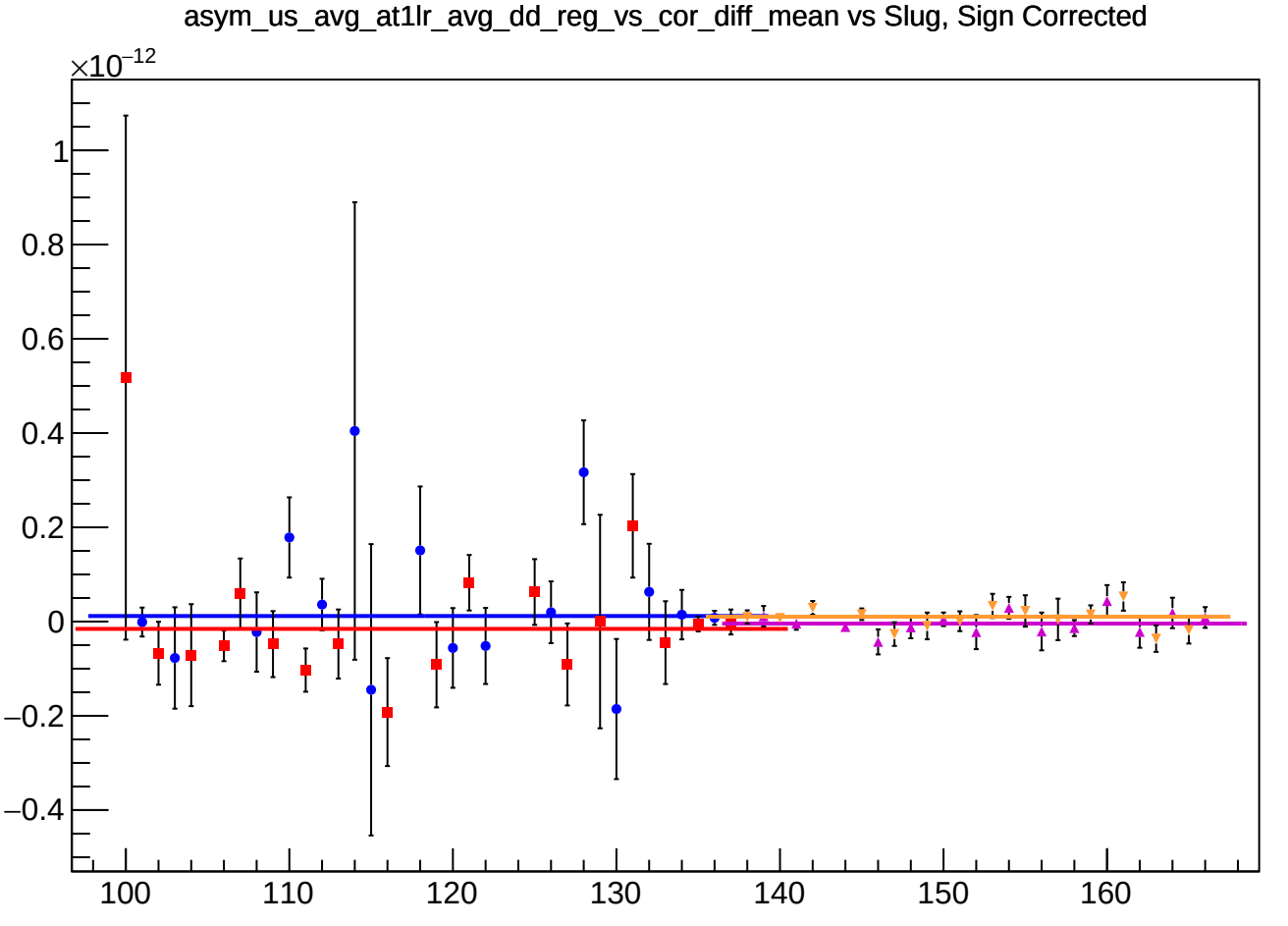
Left: 1883.159+/-0.281 χ^2/NDF: 79367.1/27

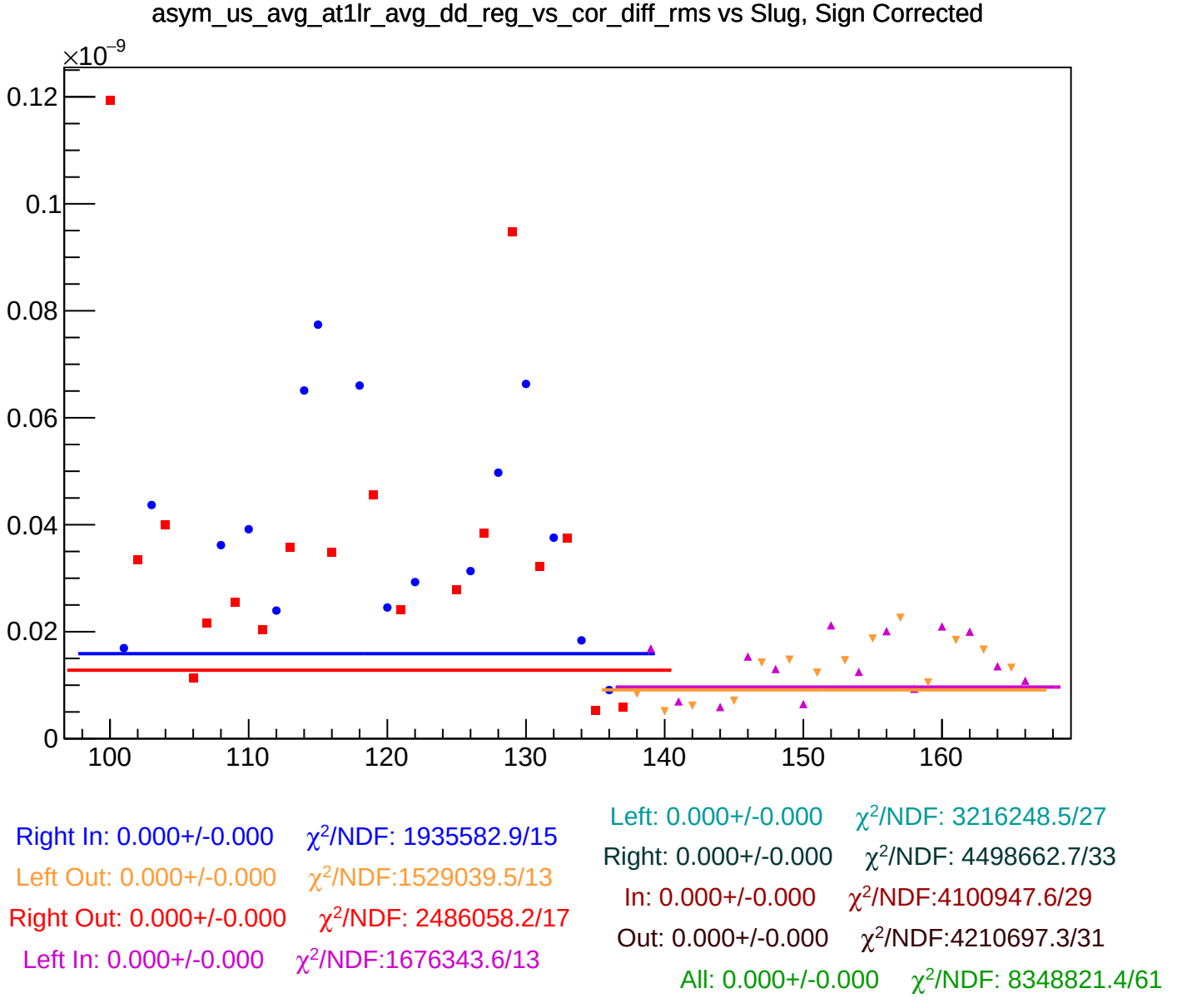
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

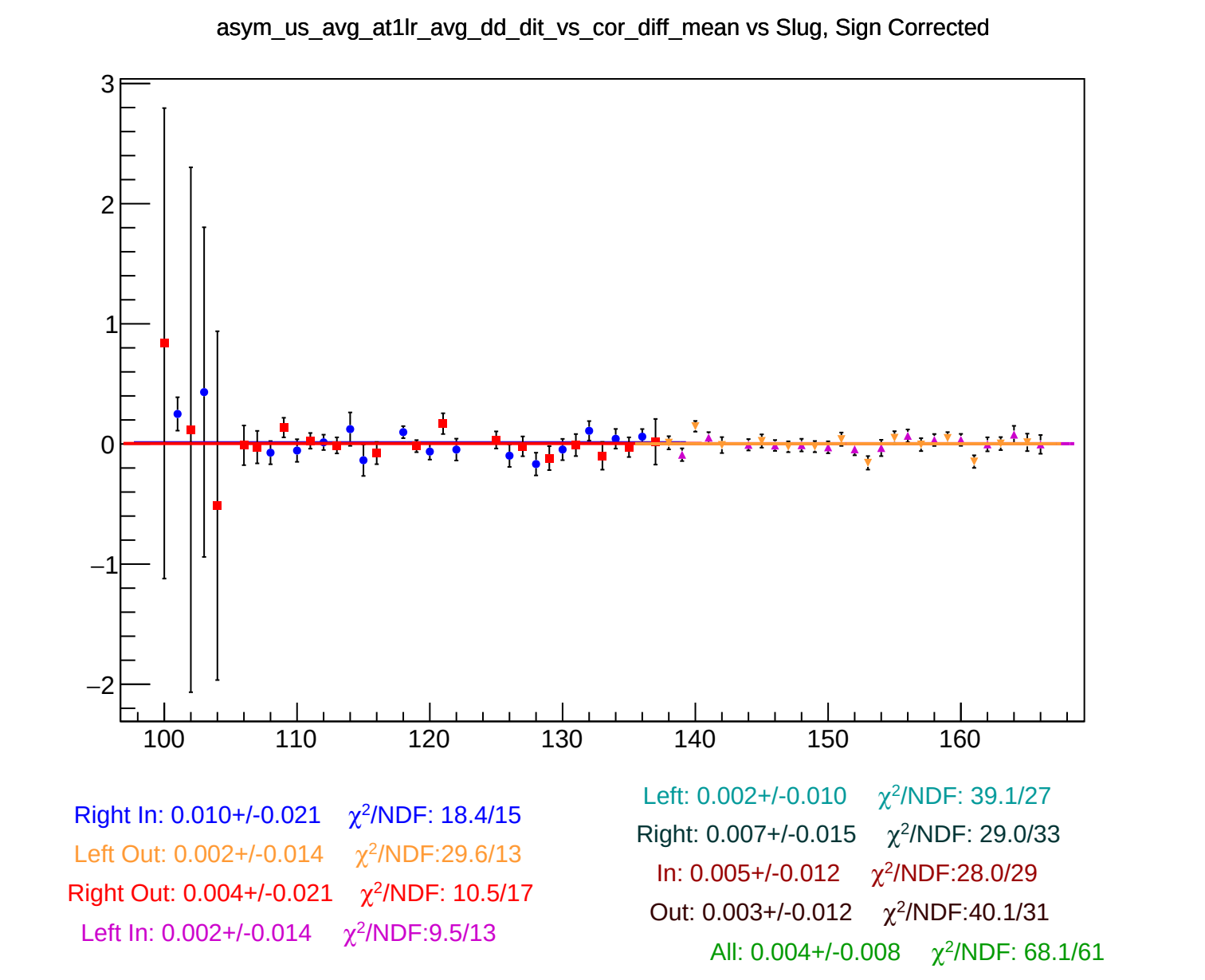
In: 1940.449+/-0.321 χ^2/NDF:1043522.9/29

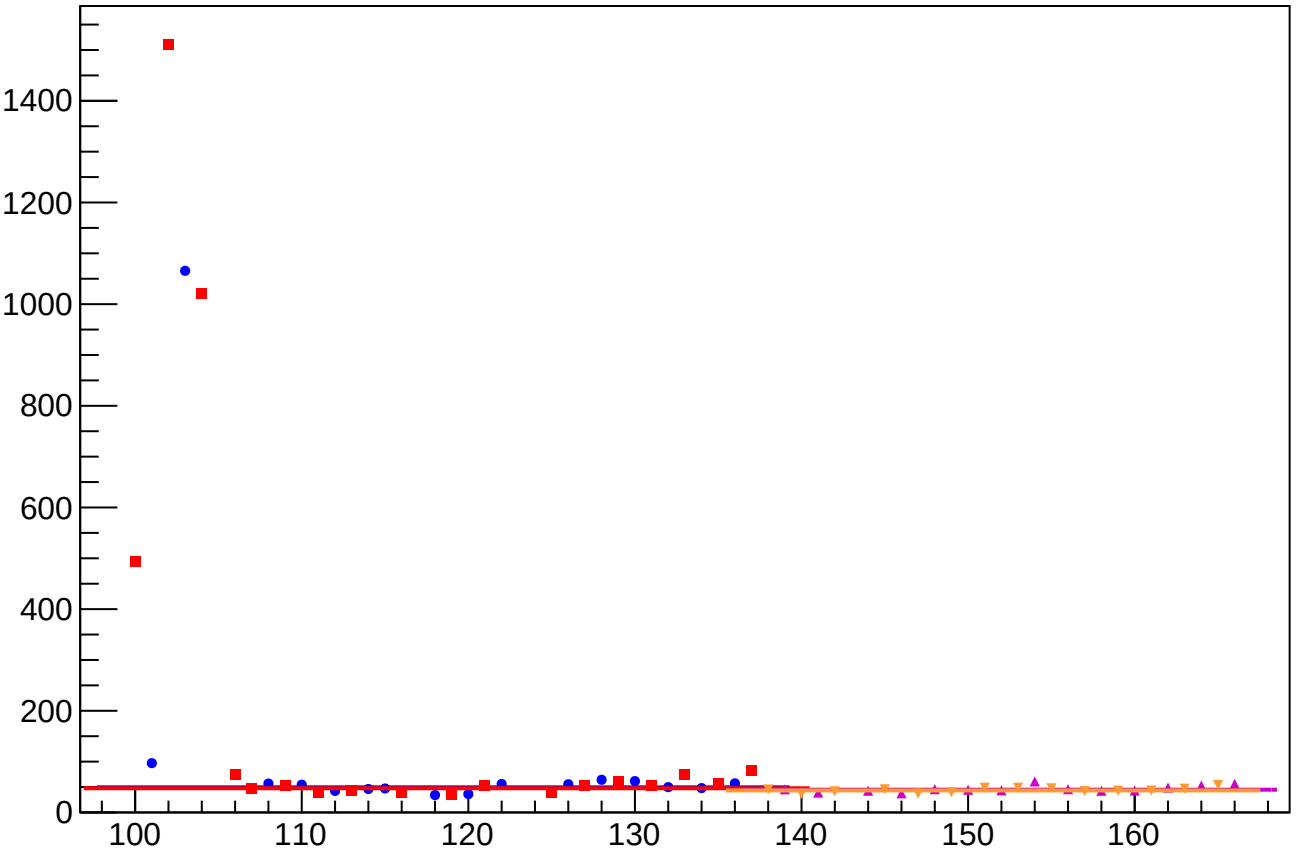
Out: 1953.808+/-0.327 χ^2/NDF:812836.4/31

All: 1947.009+/-0.229 χ^2/NDF: 1857209.4/61


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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:11.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.7/13
Left: 0.000+/-0.000 χ²/NDF: 25.5/27
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.3/29
Out: 0.000+/-0.000 χ²/NDF:37.1/31
All: 0.000+/-0.000 χ²/NDF: 67.8/61


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1529039.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:1676343.6/13
Left: 0.000+/-0.000 χ²/NDF: 3216248.5/27
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:4100947.6/29
Out: 0.000+/-0.000 χ²/NDF:4210697.3/31
All: 0.000+/-0.000 χ²/NDF: 8348821.4/61


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.010+/-0.021 χ²/NDF: 18.4/15
Left Out: 0.002+/-0.014 χ²/NDF:29.6/13
Right Out: 0.004+/-0.021 χ²/NDF: 10.5/17
Left In: 0.002+/-0.014 χ²/NDF:9.5/13
Left: 0.002+/-0.010 χ²/NDF: 39.1/27
Right: 0.007+/-0.015 χ²/NDF: 29.0/33
In: 0.005+/-0.012 χ²/NDF:28.0/29
Out: 0.003+/-0.012 χ²/NDF:40.1/31
All: 0.004+/-0.008 χ²/NDF: 68.1/61



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.321+/-0.010 χ^2/NDF:206612.5/13

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.769+/-0.010 χ^2/NDF:288878.2/13

Left: 44.048+/-0.007 χ^2/NDF: 505935.2/27

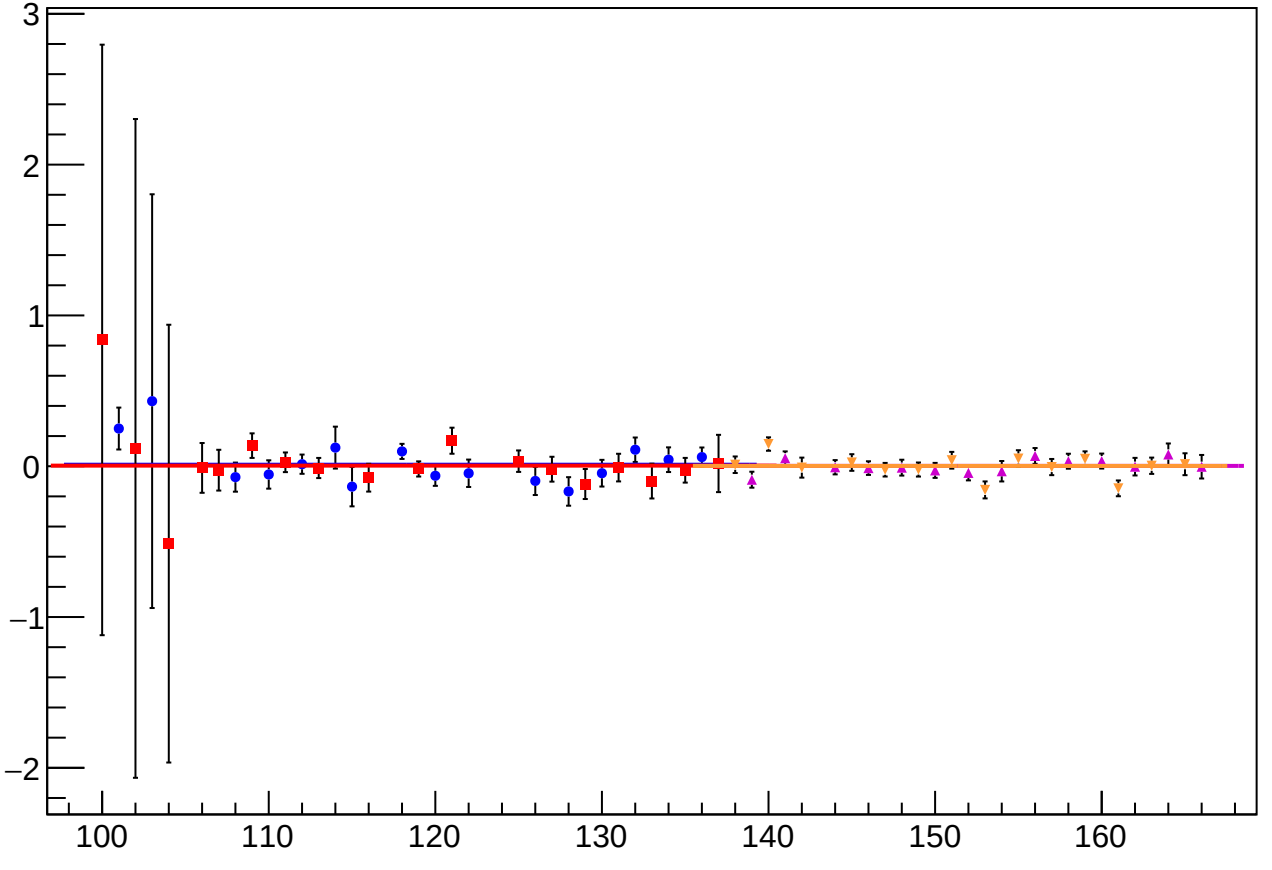
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.198+/-0.008 χ^2/NDF:2131012.9/29

Out: 44.621+/-0.008 χ^2/NDF:2680012.6/31

All: 45.418+/-0.006 χ^2/NDF: 4828937.3/61

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.002+/-0.010 χ^2/NDF: 39.1/27

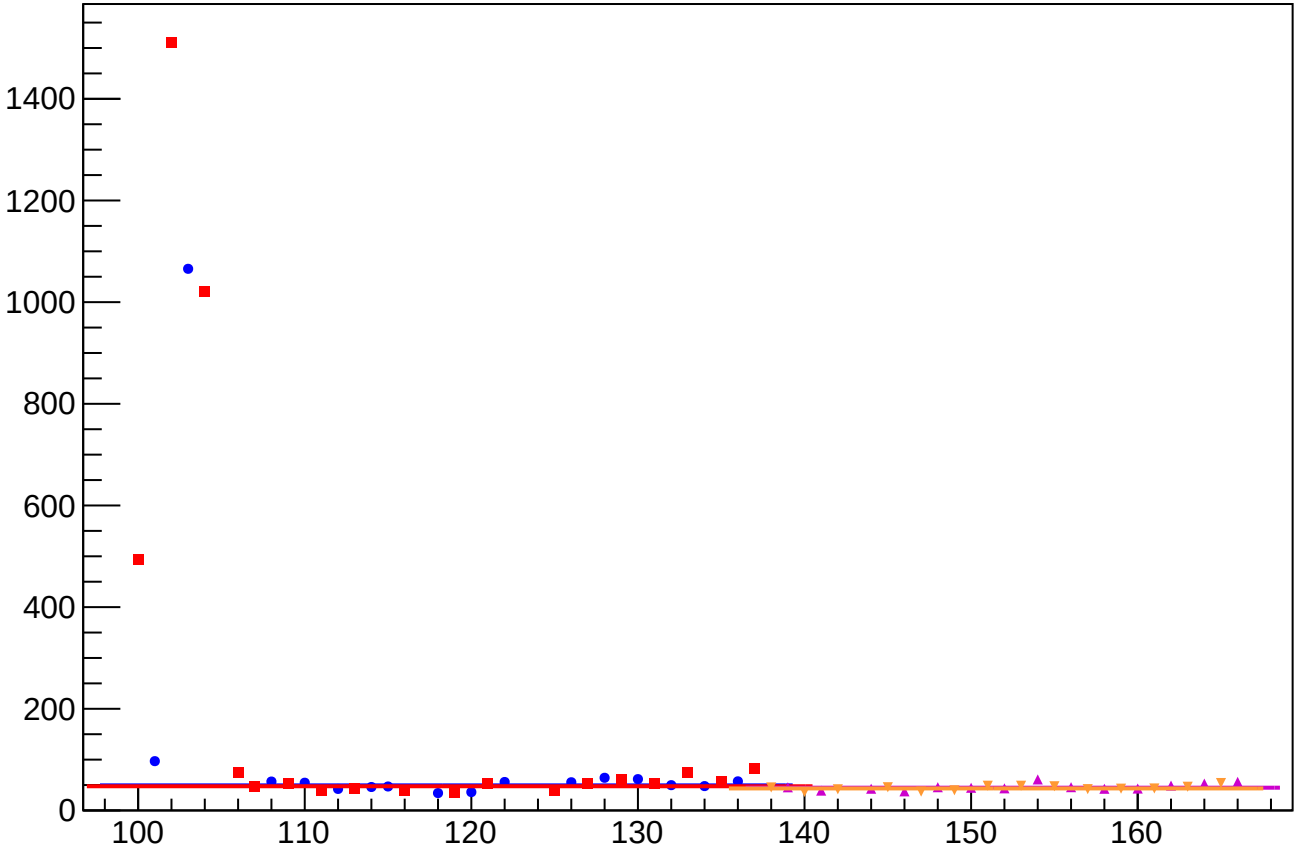
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/61

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.321+/-0.010 χ^2/NDF:206612.5/13

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.769+/-0.010 χ^2/NDF:288878.2/13

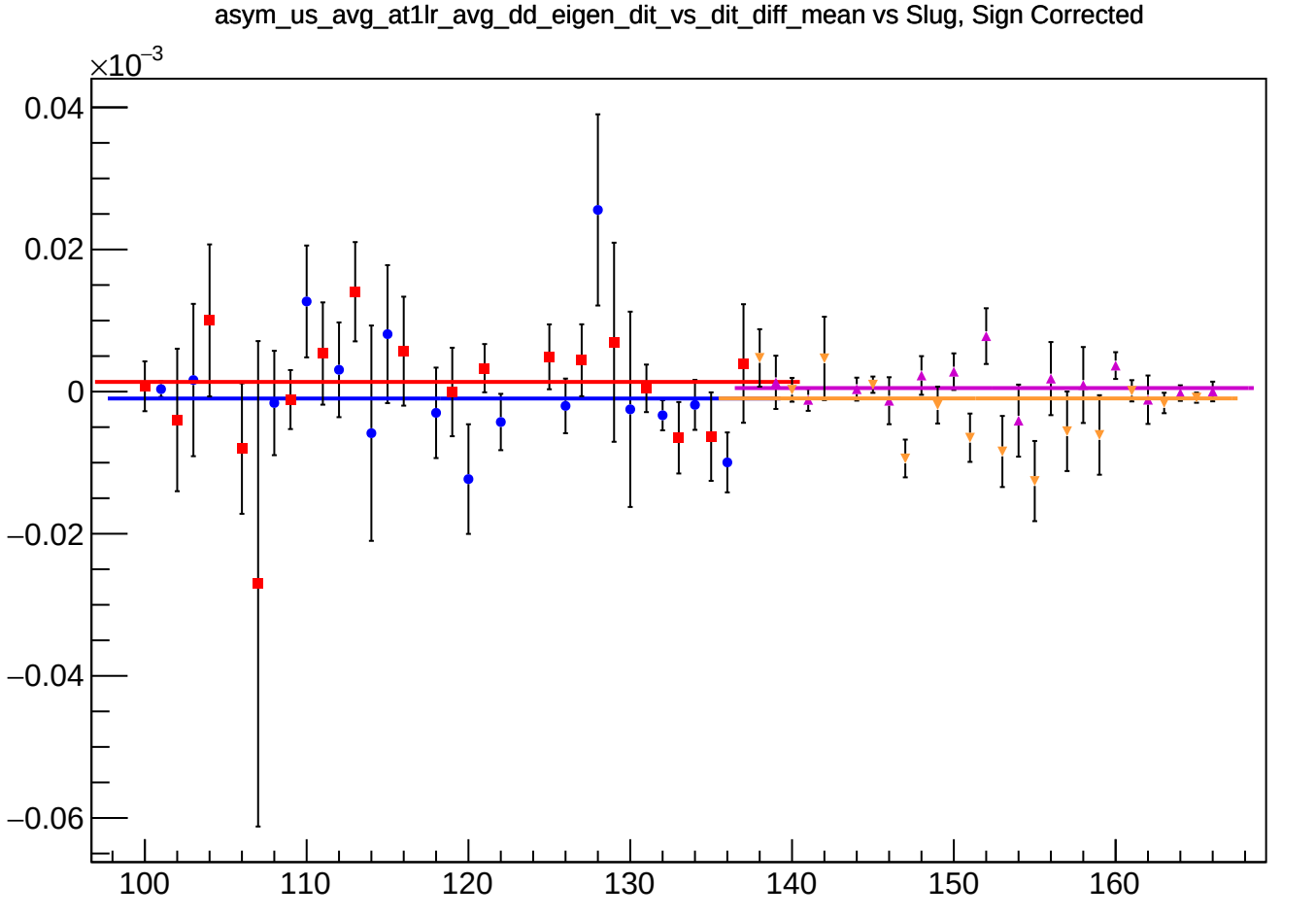
Left: 44.048+/-0.007 χ^2/NDF: 505935.2/27

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.198+/-0.008 χ^2/NDF:2131012.9/29

Out: 44.621+/-0.008 χ^2/NDF:2680012.6/31

All: 45.418+/-0.006 χ^2/NDF: 4828937.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.7/13

Left: -0.000+/-0.000 χ^2/NDF: 42.6/27

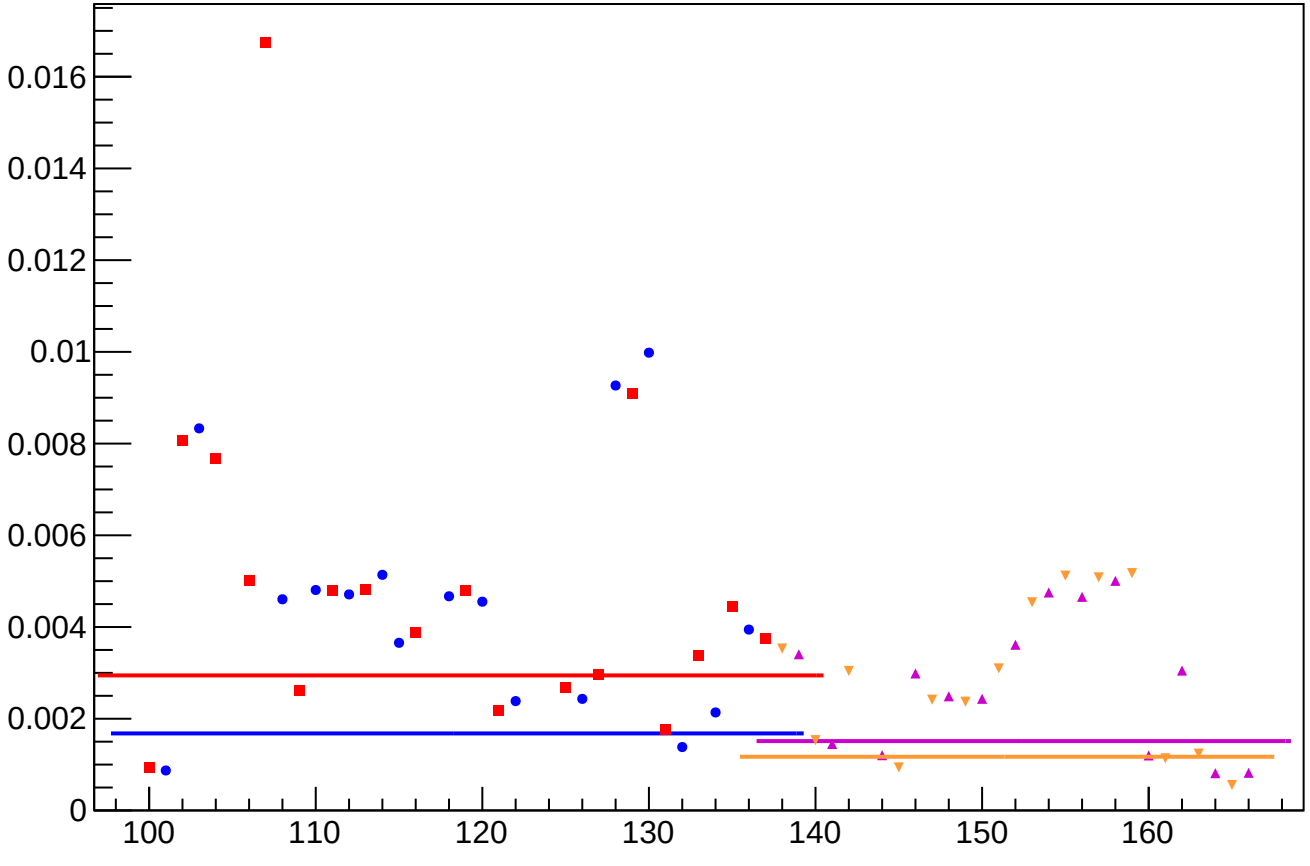
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.5/29

Out: -0.000+/-0.000 χ^2/NDF:43.4/31

All: -0.000+/-0.000 χ^2/NDF: 76.2/61

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: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7944034.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:6272529.7/13

Left: 0.001+/-0.000 χ^2/NDF: 14653998.3/27

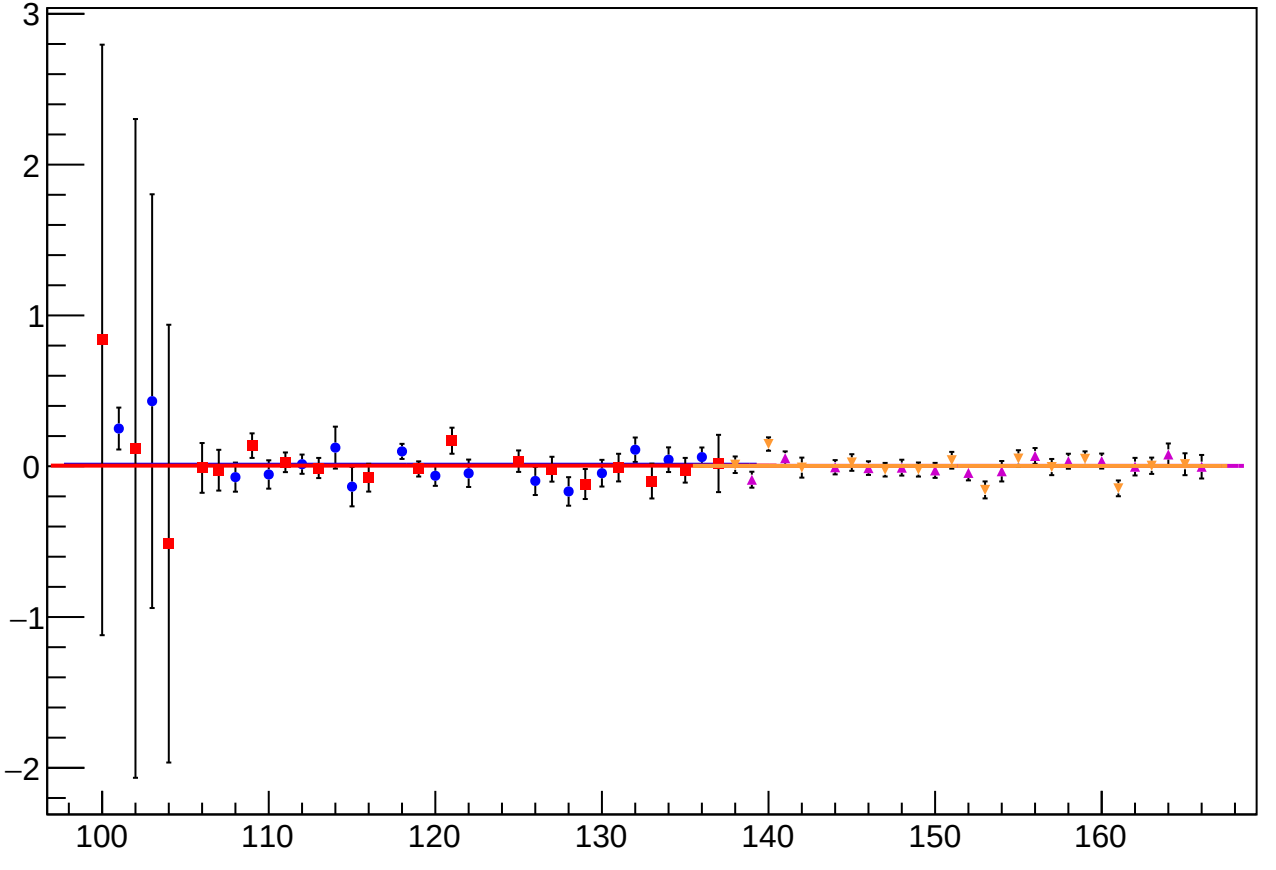
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12288273.3/29

Out: 0.001+/-0.000 χ^2/NDF:14673036.2/31

All: 0.001+/-0.000 χ^2/NDF: 27136840.6/61

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.002+/-0.010 χ^2/NDF: 39.1/27

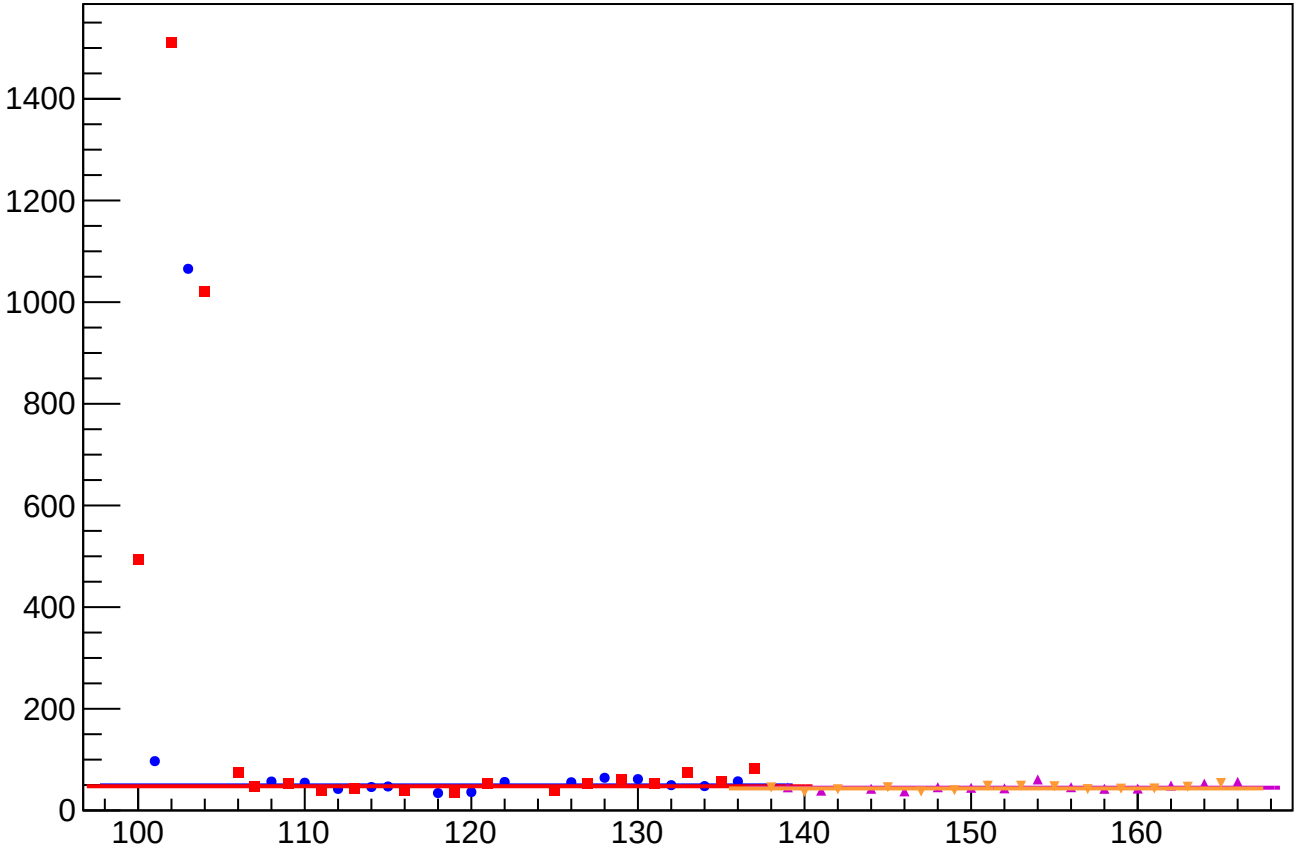
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/61

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.321+/-0.010 χ^2/NDF:206625.7/13

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.769+/-0.010 χ^2/NDF:288936.4/13

Left: 44.048+/-0.007 χ^2/NDF: 505997.1/27

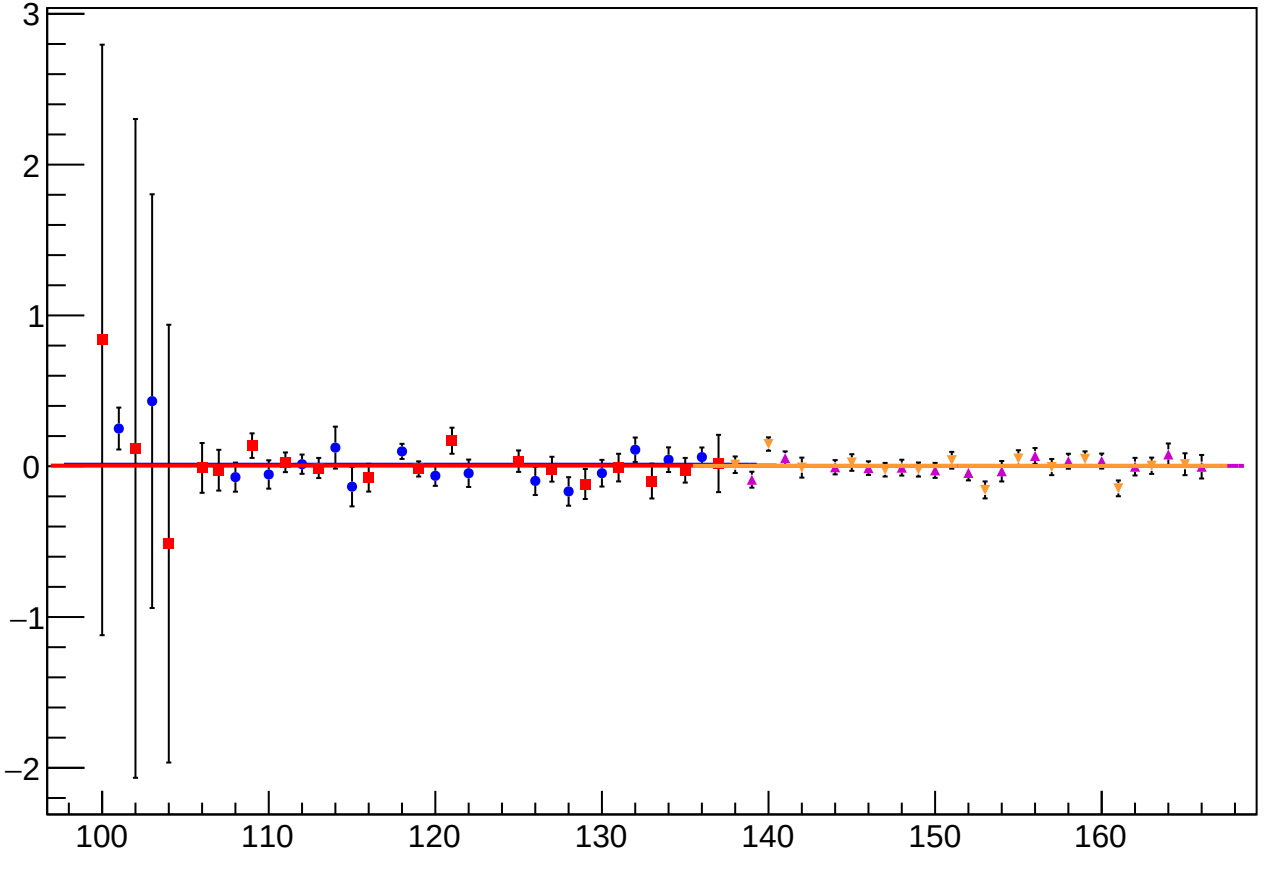
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.198+/-0.008 χ^2/NDF:2131020.2/29

Out: 44.621+/-0.008 χ^2/NDF:2680031.3/31

All: 45.418+/-0.006 χ^2/NDF: 4828960.4/61

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/13

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/13

Left: 0.002+/-0.010 χ^2/NDF: 39.1/27

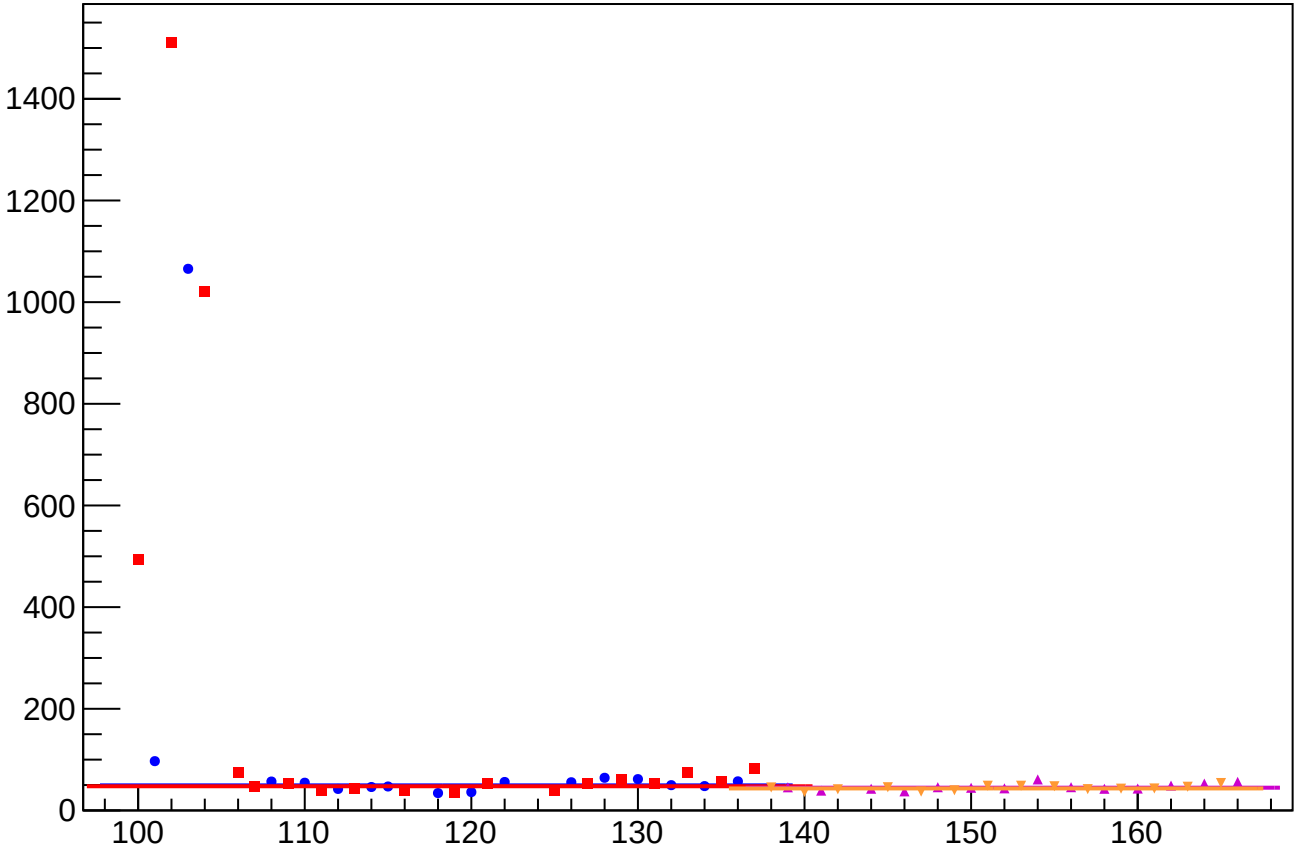
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/29

Out: 0.003+/-0.012 χ^2/NDF:40.1/31

All: 0.004+/-0.008 χ^2/NDF: 68.1/61

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.321+/-0.010 χ^2/NDF:206625.7/13

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.769+/-0.010 χ^2/NDF:288936.4/13

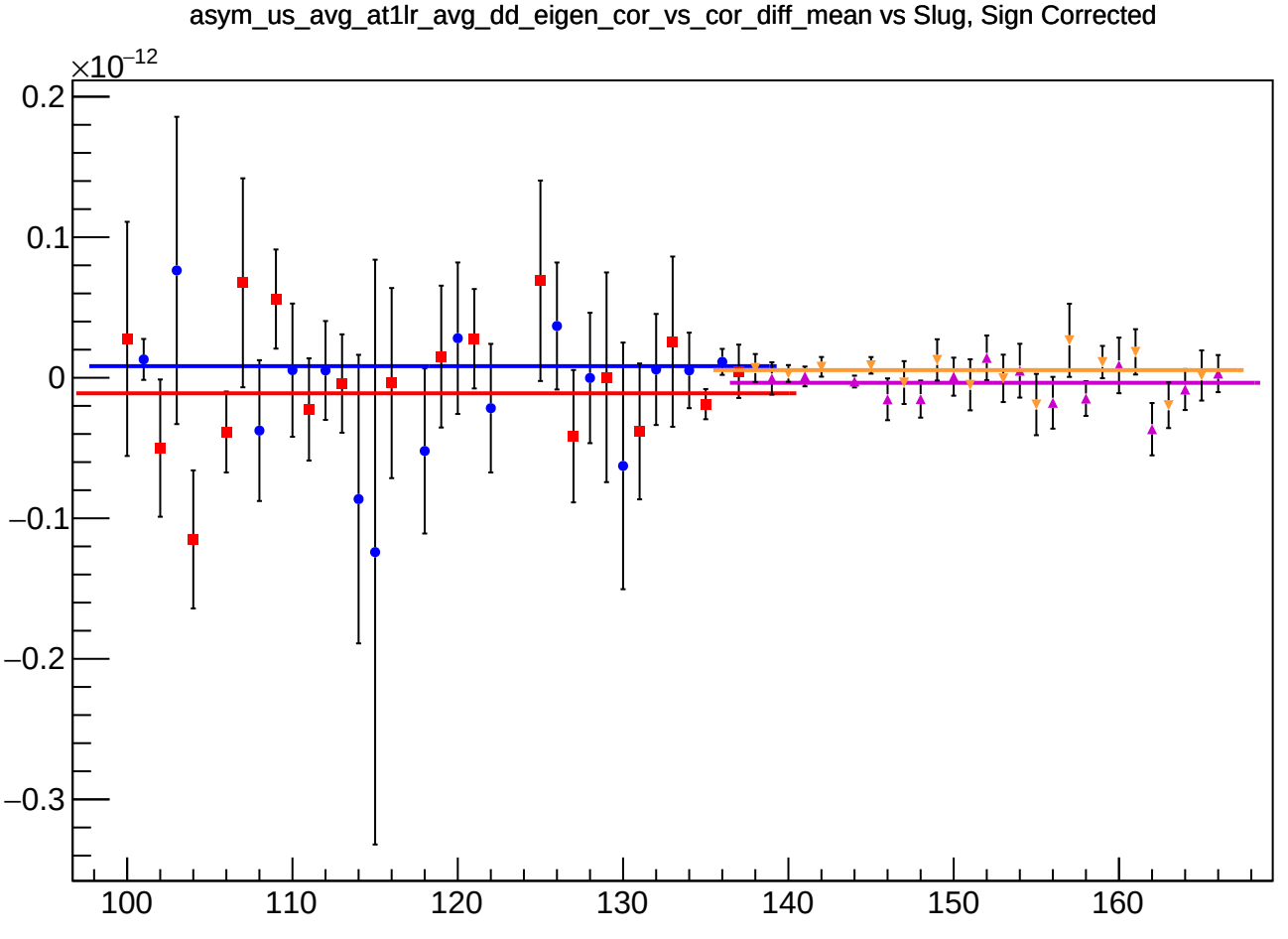
Left: 44.048+/-0.007 χ^2/NDF: 505997.1/27

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.198+/-0.008 χ^2/NDF:2131020.2/29

Out: 44.621+/-0.008 χ^2/NDF:2680031.3/31

All: 45.418+/-0.006 χ^2/NDF: 4828960.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.8/13

Left: 0.000+/-0.000 χ^2/NDF: 20.9/27

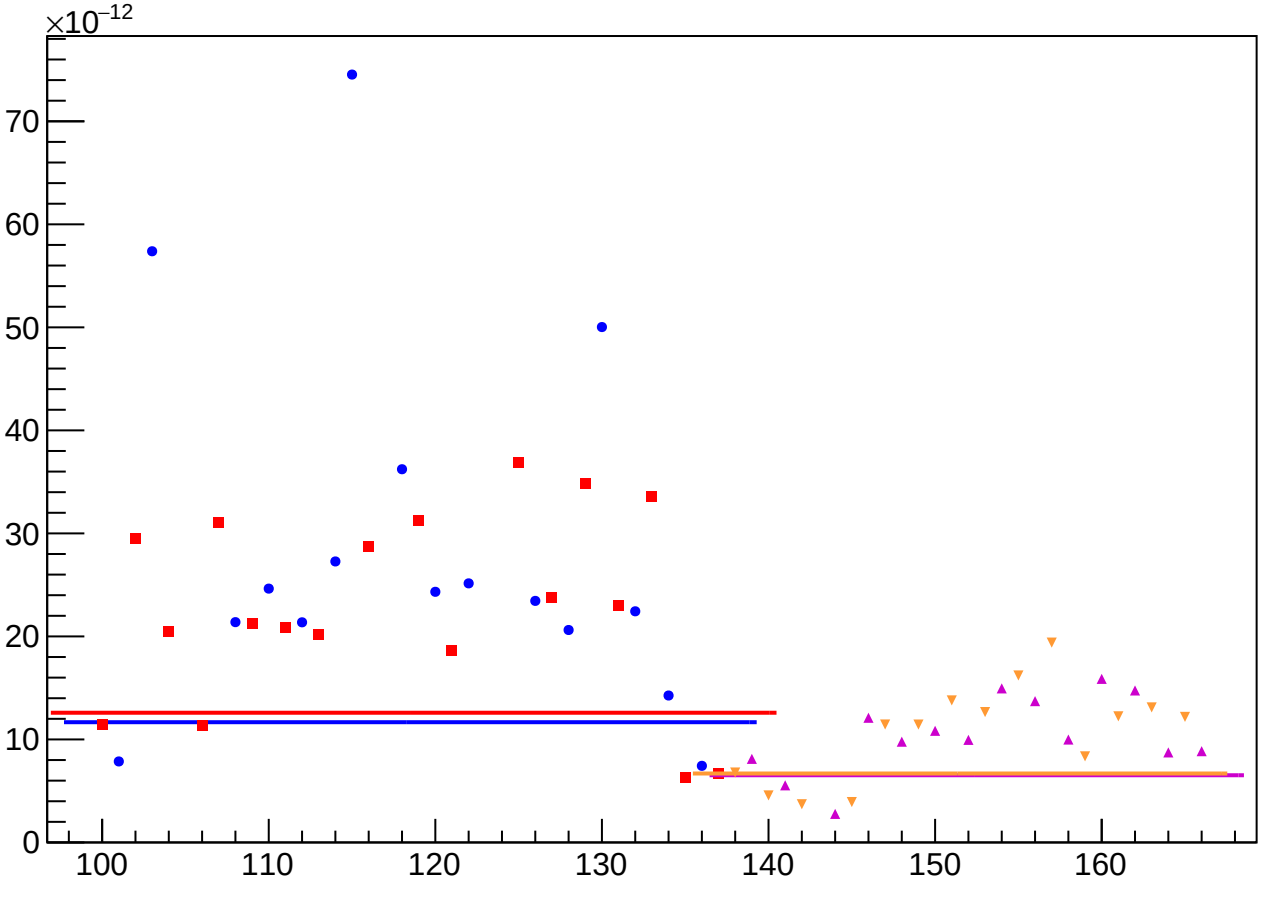
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:16.9/29

Out: 0.000+/-0.000 χ^2/NDF:27.6/31

All: 0.000+/-0.000 χ^2/NDF: 46.5/61

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: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3655974.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4164856.1/13

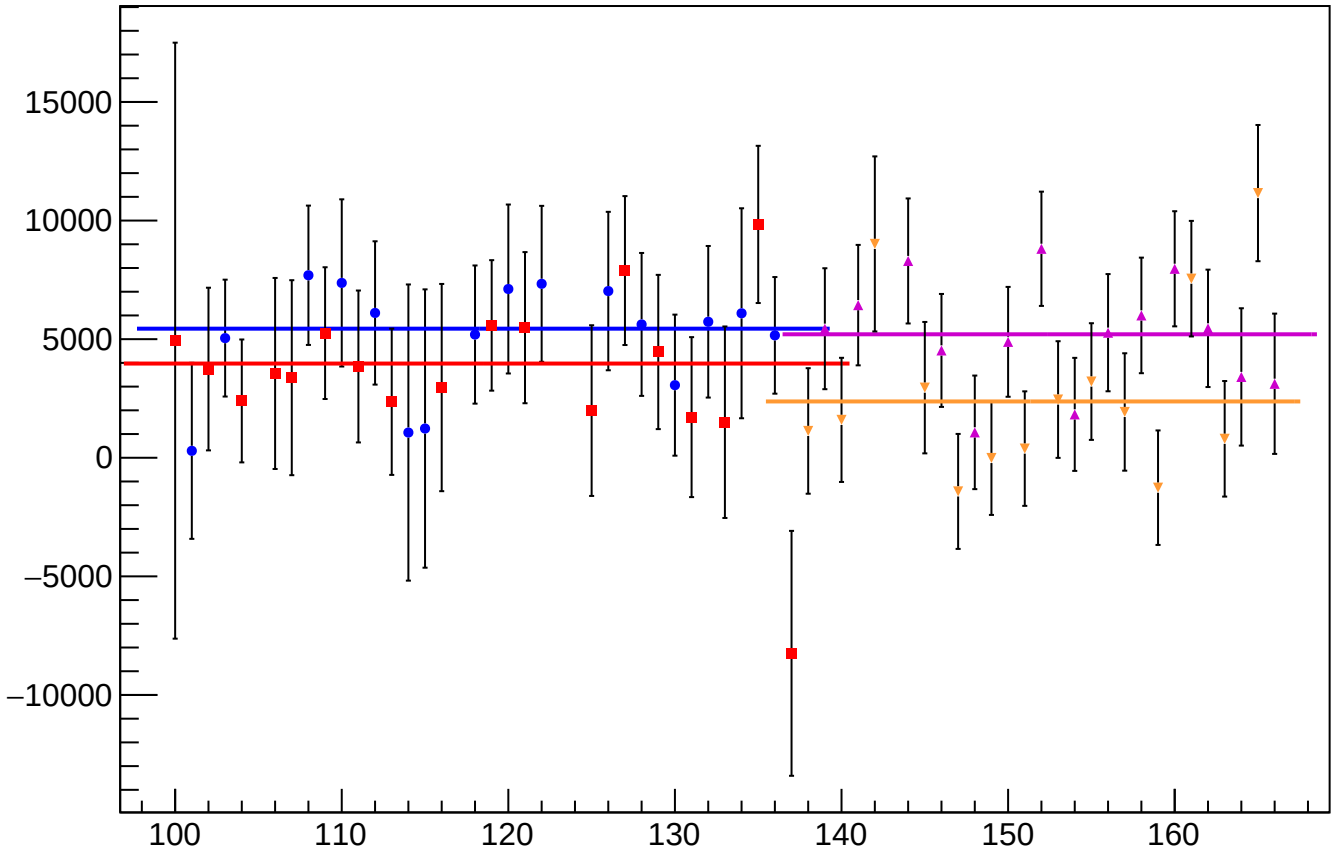
Left: 0.000+/-0.000 χ^2/NDF: 7824496.8/27

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8089432.6/29

Out: 0.000+/-0.000 χ^2/NDF:7734473.2/31

All: 0.000+/-0.000 χ^2/NDF: 15830150.0/61



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2374.040+/-684.885 χ^2/NDF:24.4/13

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5205.545+/-668.496 χ^2/NDF:11.2/13

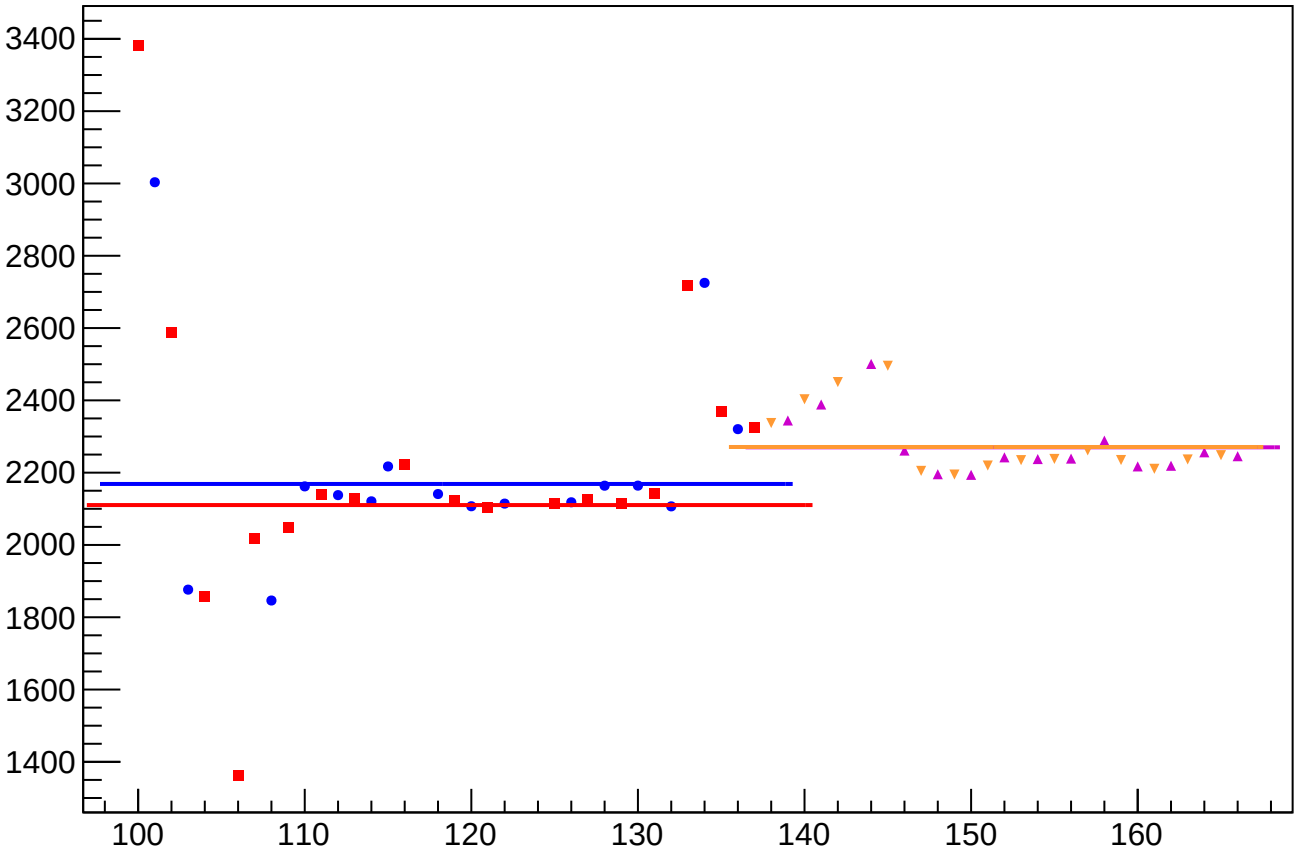
Left: 3824.077+/-478.387 χ^2/NDF: 44.4/27

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5301.127+/-516.235 χ^2/NDF:16.7/29

Out: 3041.033+/-522.728 χ^2/NDF:39.7/31

All: 4185.204+/-367.307 χ^2/NDF: 65.8/61



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2270.113+/-0.473 χ^2/NDF:28537.0/13

Left: 2270.544+/-0.338 χ^2/NDF: 60218.1/27

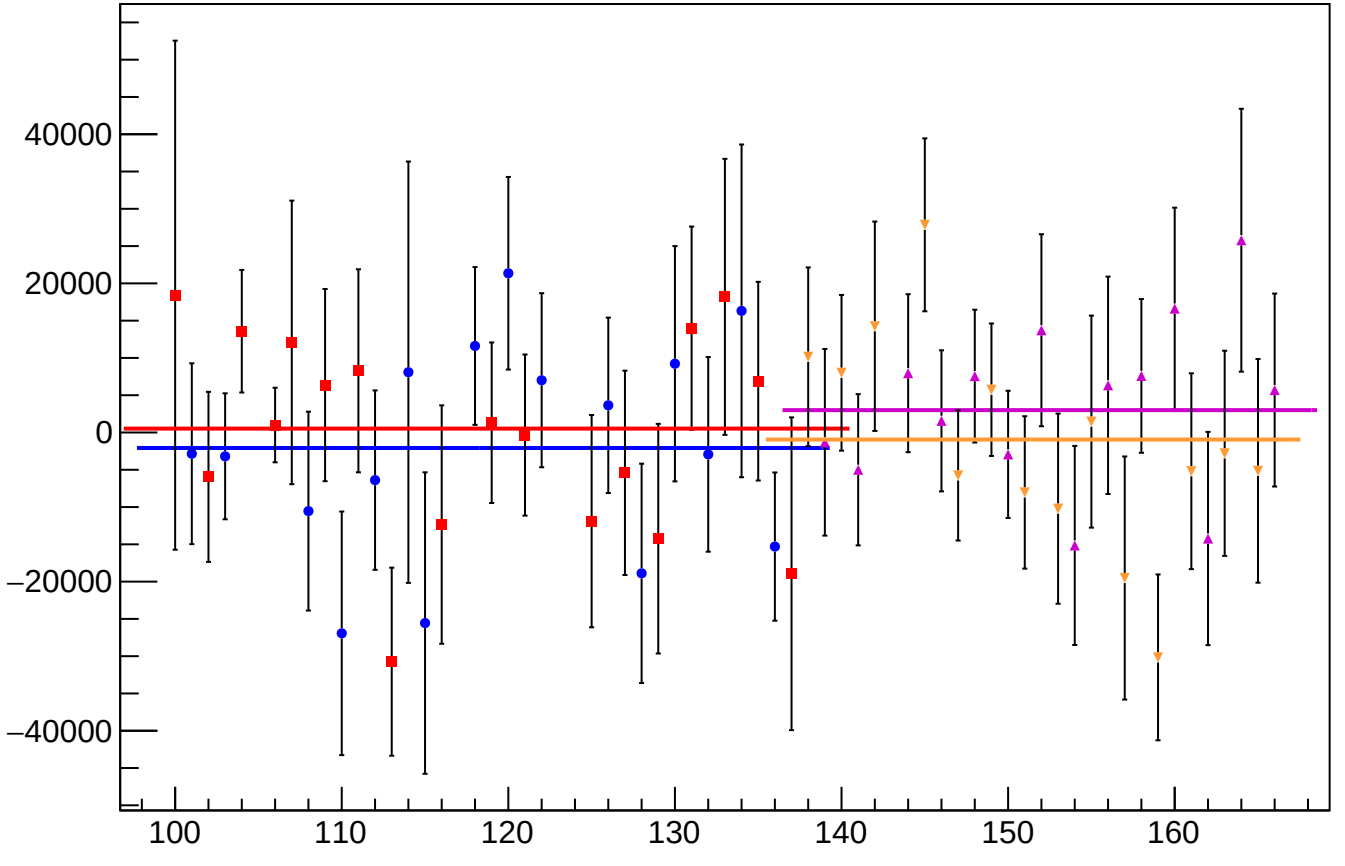
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2229.183+/-0.365 χ^2/NDF:242770.2/29

Out: 2202.682+/-0.367 χ^2/NDF:345880.0/31

All: 2216.009+/-0.259 χ^2/NDF: 591270.3/61

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -944.647+/-3124.109 χ^2/NDF:19.2/13

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2999.418+/-3045.100 χ^2/NDF:8.7/13

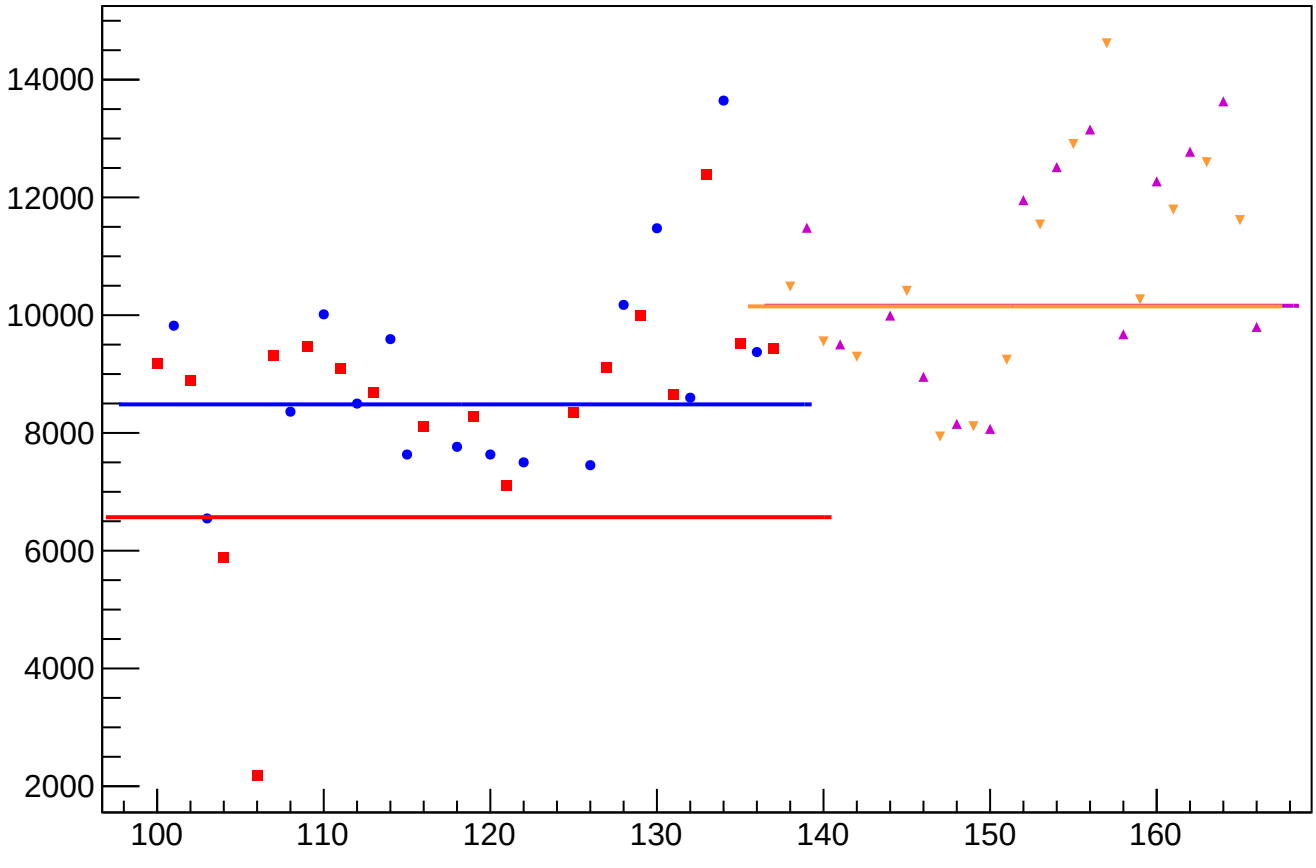
Left: 1077.889+/-2180.608 χ^2/NDF: 28.8/27

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 597.614+/-2209.889 χ^2/NDF:24.4/29

Out: -109.534+/-2049.531 χ^2/NDF:35.0/31

All: 217.455+/-1502.733 χ^2/NDF: 59.5/61



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10149.315+/-2.209 χ^2/NDF:628468.0/13

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10159.965+/-2.153 χ^2/NDF:670165.1/13

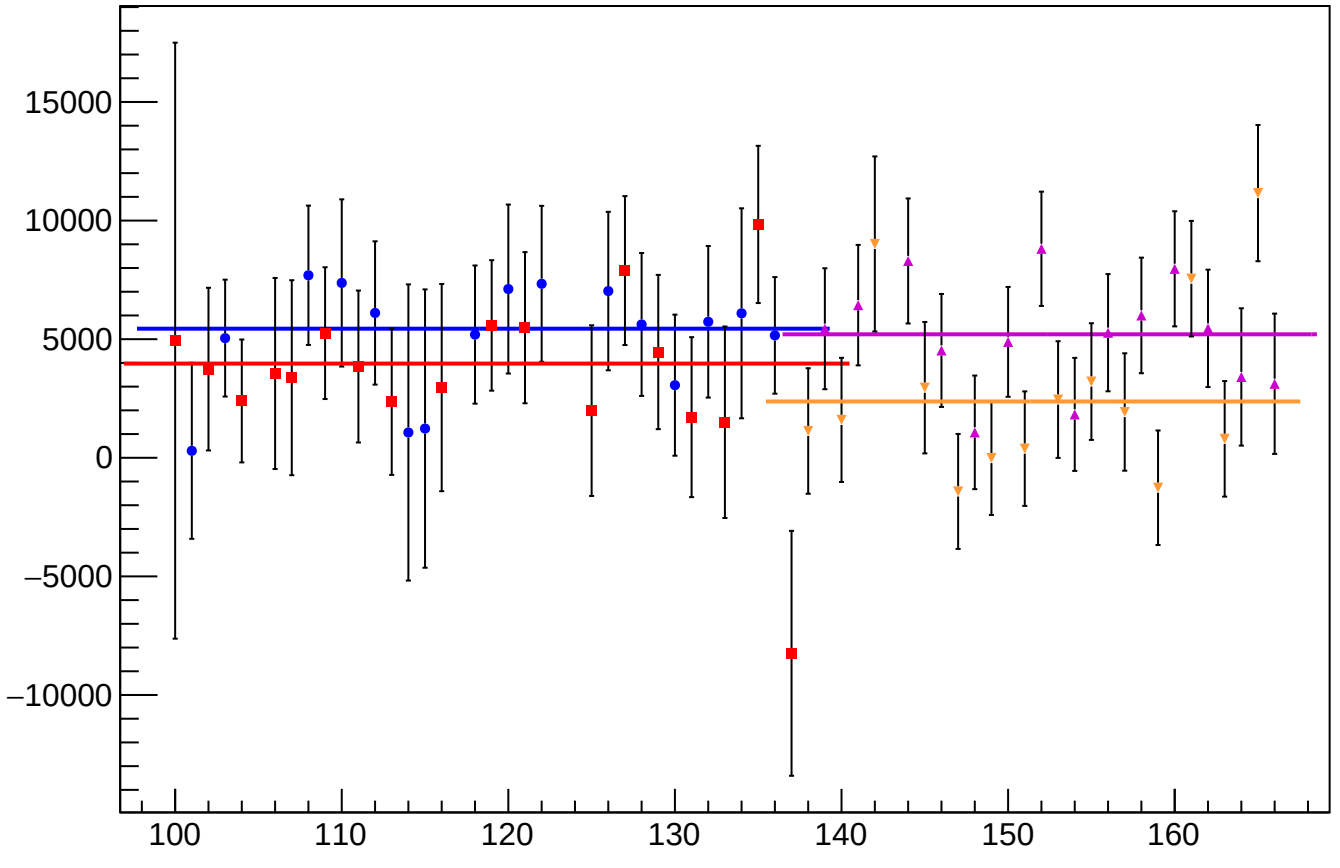
Left: 10154.776+/-1.542 χ^2/NDF: 1298644.9/27

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9367.152+/-1.563 χ^2/NDF:1379291.3/29

Out: 8109.748+/-1.449 χ^2/NDF:4693838.6/31

All: 8691.179+/-1.063 χ^2/NDF: 6421222.0/61



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2373.931+/-684.885 χ^2/NDF:24.4/13

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5205.693+/-668.496 χ^2/NDF:11.2/13

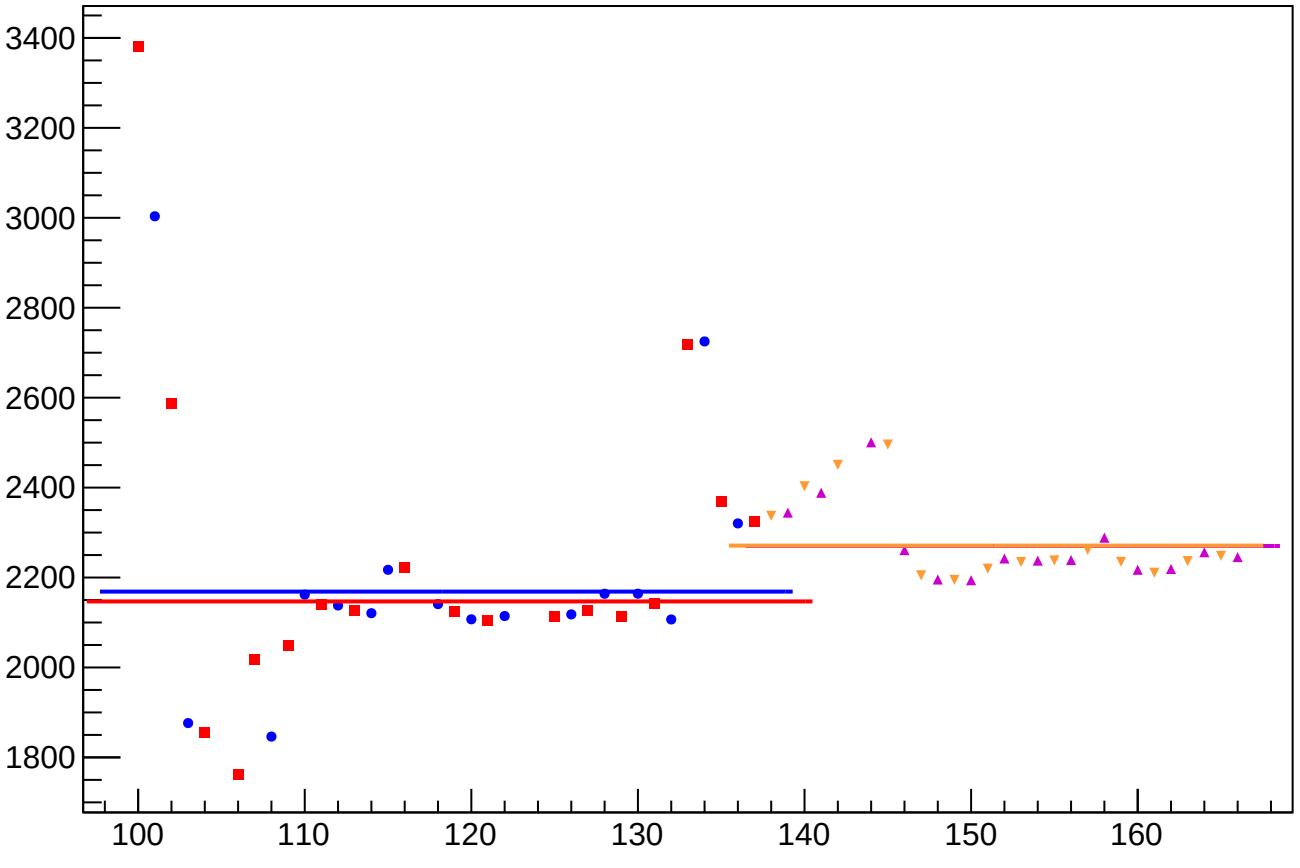
Left: 3824.099+/-478.387 χ^2/NDF: 44.4/27

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5301.273+/-516.235 χ^2/NDF:16.7/29

Out: 3040.861+/-522.728 χ^2/NDF:39.7/31

All: 4185.193+/-367.307 χ^2/NDF: 65.8/61



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2270.113+/-0.473 χ^2/NDF:28537.0/13

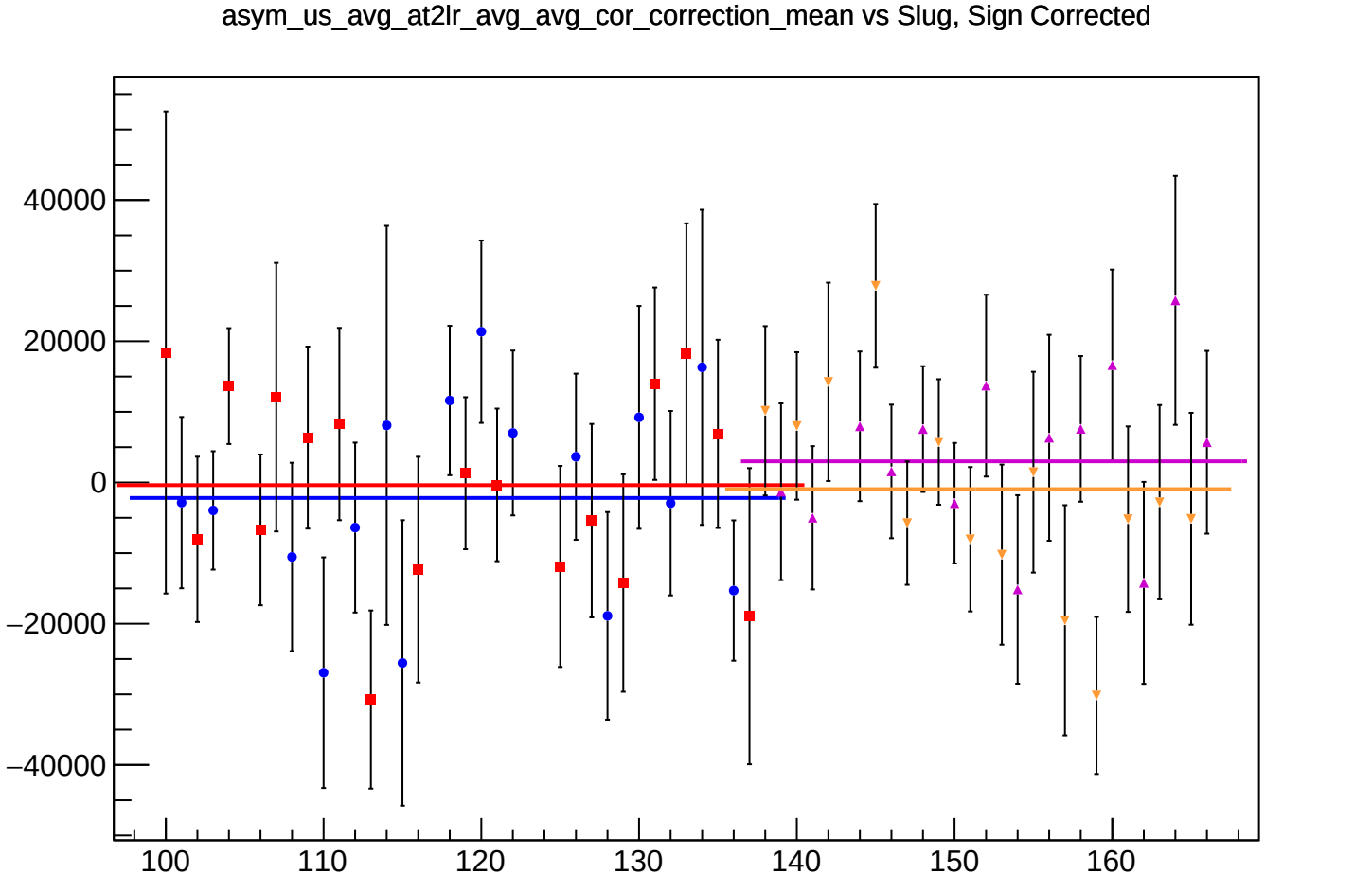
Left: 2270.544+/-0.338 χ^2/NDF: 60218.1/27

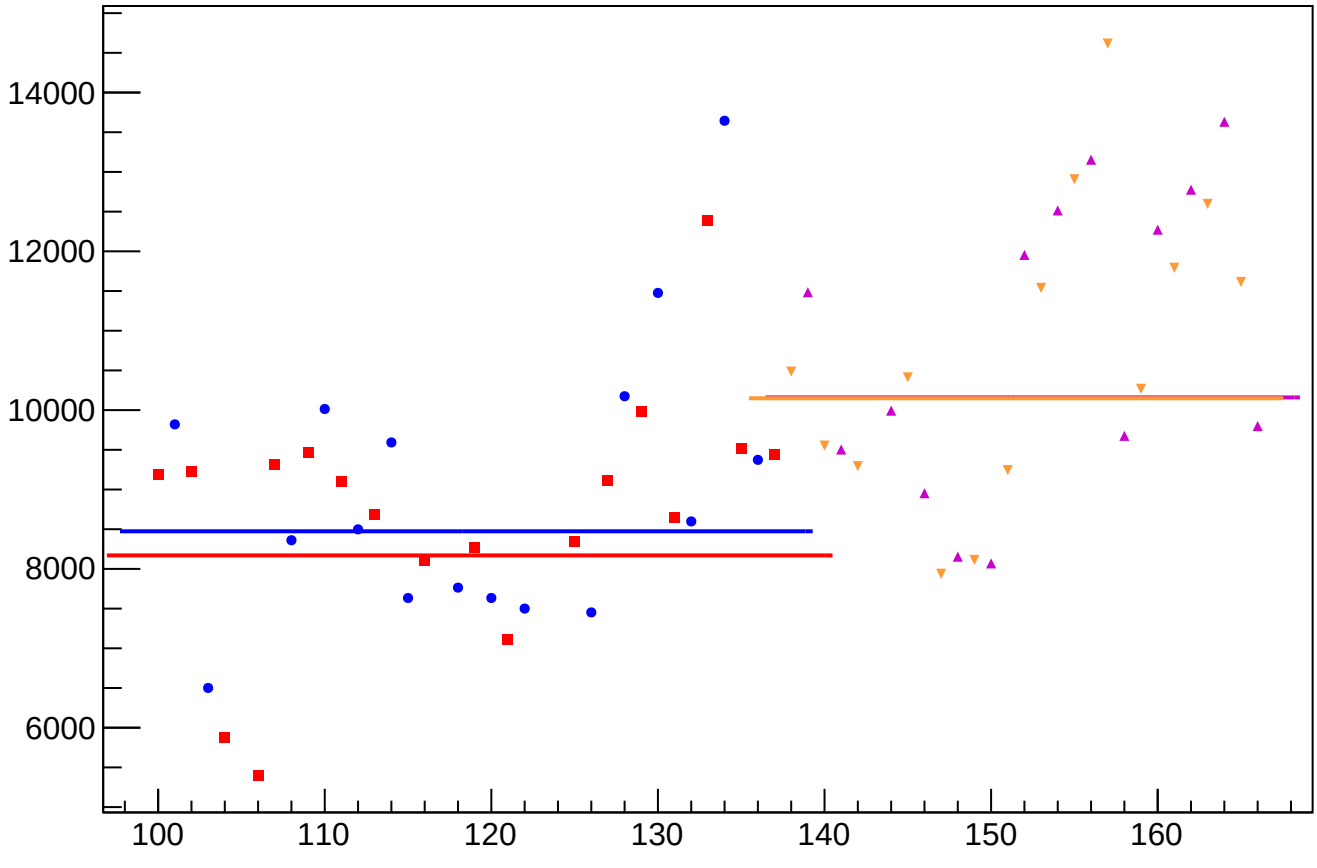
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2229.183+/-0.365 χ^2/NDF:242770.7/29

Out: 2218.883+/-0.369 χ^2/NDF:217006.3/31

All: 2224.087+/-0.259 χ^2/NDF: 460170.9/61


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -944.682+/-3124.106 χ²/NDF:19.2/13
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2999.637+/-3045.098 χ²/NDF:8.7/13
Left: 1077.984+/-2180.607 χ²/NDF: 28.8/27
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 540.699+/-2208.725 χ²/NDF:24.5/29
Out: -659.765+/-2200.488 χ²/NDF:35.6/31
All: -61.776+/-1558.884 χ²/NDF: 60.2/61



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10159.961+/-2.153 χ^2/NDF:670170.1/13

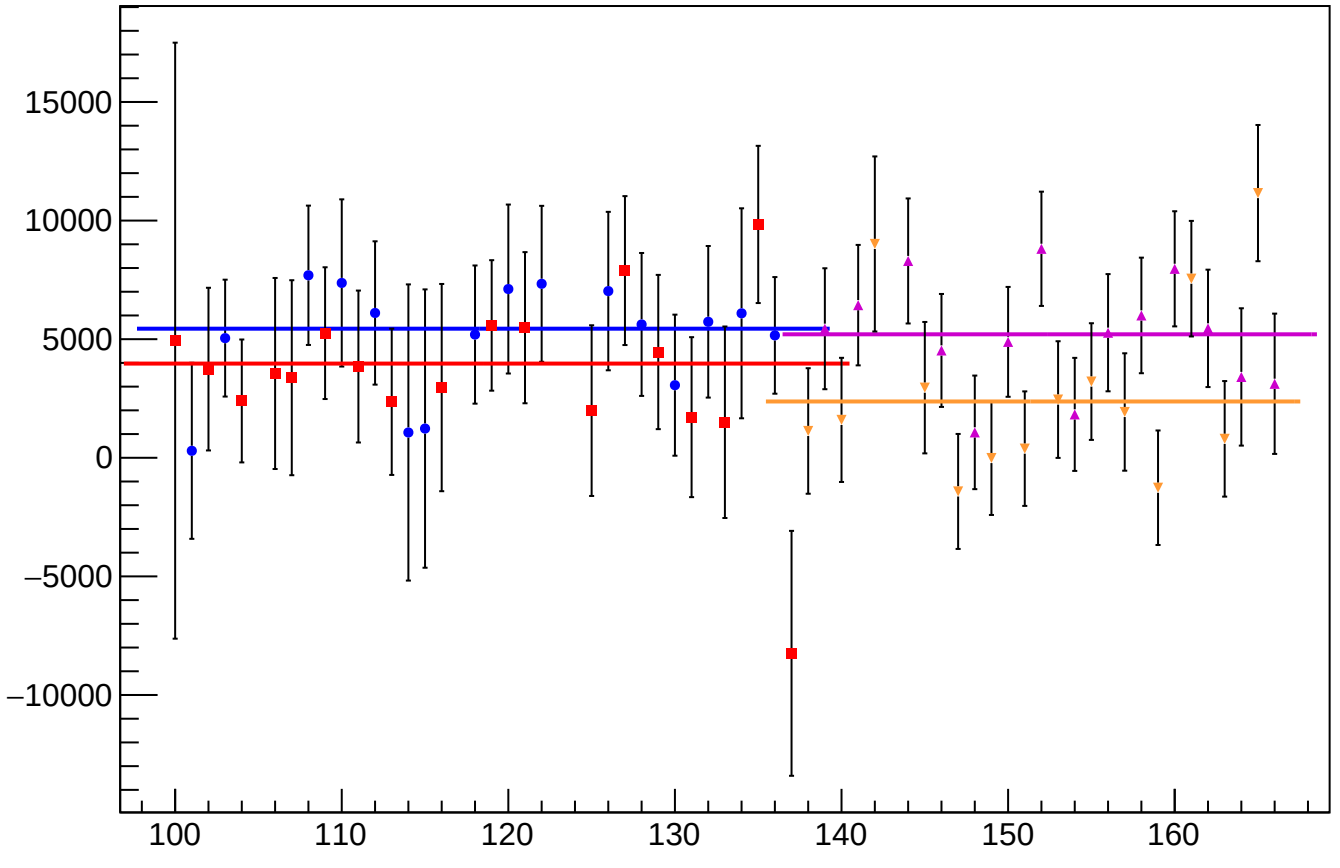
Left: 10154.770+/-1.542 χ^2/NDF: 1298652.3/27

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9360.887+/-1.562 χ^2/NDF:1390338.7/29

Out: 9151.986+/-1.556 χ^2/NDF:1572897.4/31

All: 9256.046+/-1.102 χ^2/NDF: 2972215.0/61



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2373.931+/-684.885 χ^2/NDF:24.4/13

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5205.693+/-668.496 χ^2/NDF:11.2/13

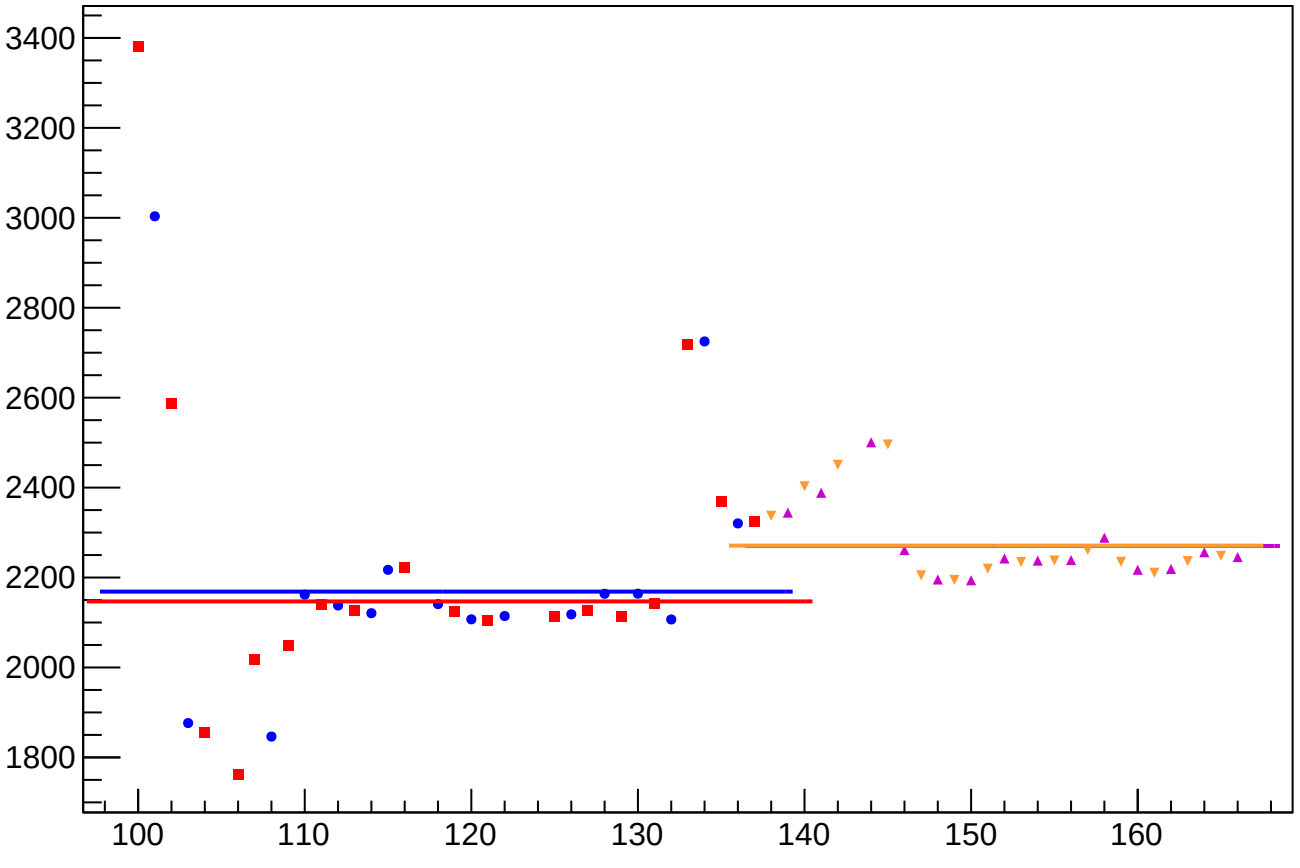
Left: 3824.099+/-478.387 χ^2/NDF: 44.4/27

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5301.273+/-516.235 χ^2/NDF:16.7/29

Out: 3040.861+/-522.728 χ^2/NDF:39.7/31

All: 4185.193+/-367.307 χ^2/NDF: 65.8/61



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2270.113+/-0.473 χ^2/NDF:28537.0/13

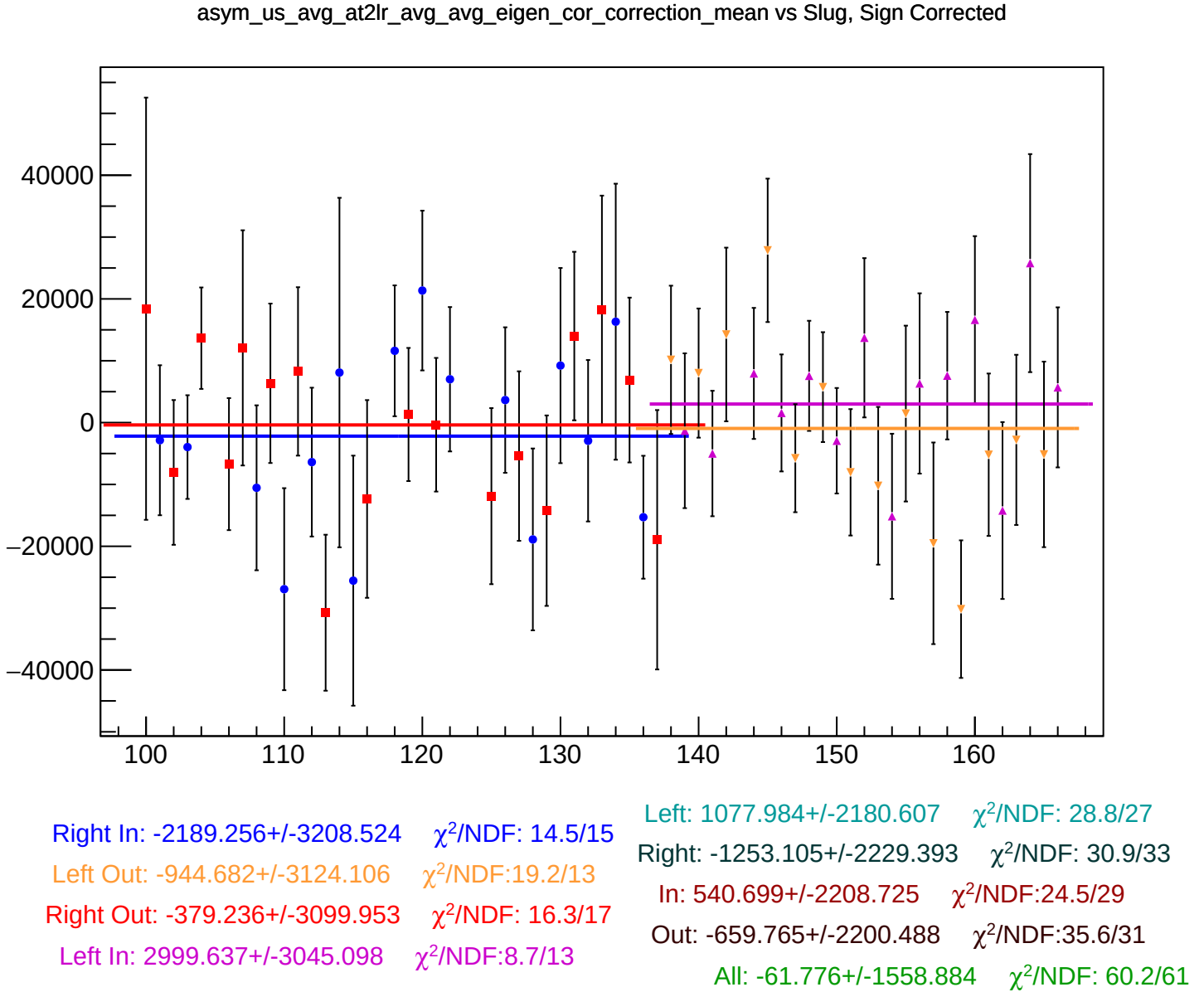
Left: 2270.544+/-0.338 χ^2/NDF: 60218.1/27

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

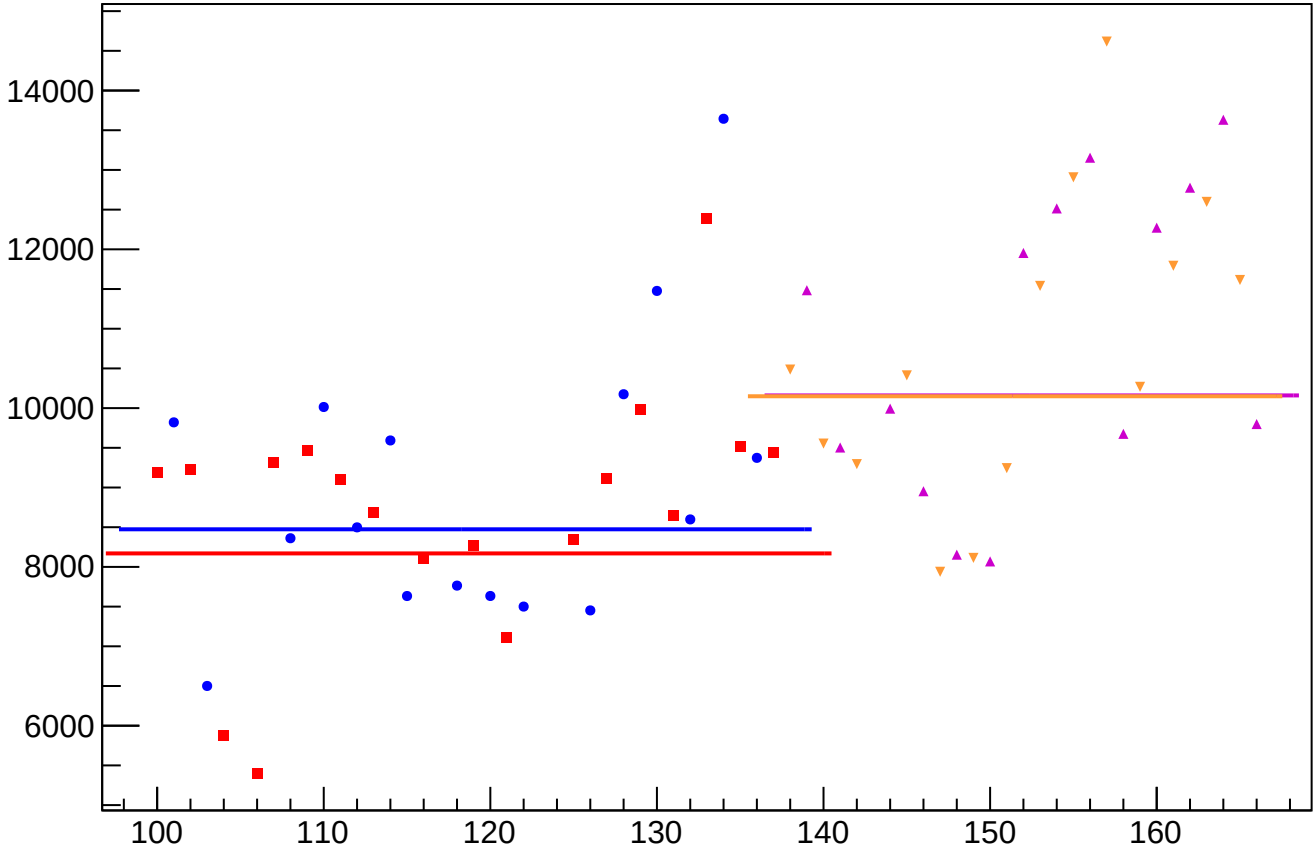
In: 2229.183+/-0.365 χ^2/NDF:242770.7/29

Out: 2218.883+/-0.369 χ^2/NDF:217006.3/31

All: 2224.087+/-0.259 χ^2/NDF: 460170.9/61


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -944.682+/-3124.106 χ²/NDF:19.2/13
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2999.637+/-3045.098 χ²/NDF:8.7/13
Left: 1077.984+/-2180.607 χ²/NDF: 28.8/27
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 540.699+/-2208.725 χ²/NDF:24.5/29
Out: -659.765+/-2200.488 χ²/NDF:35.6/31
All: -61.776+/-1558.884 χ²/NDF: 60.2/61

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10159.961+/-2.153 χ^2/NDF:670170.1/13

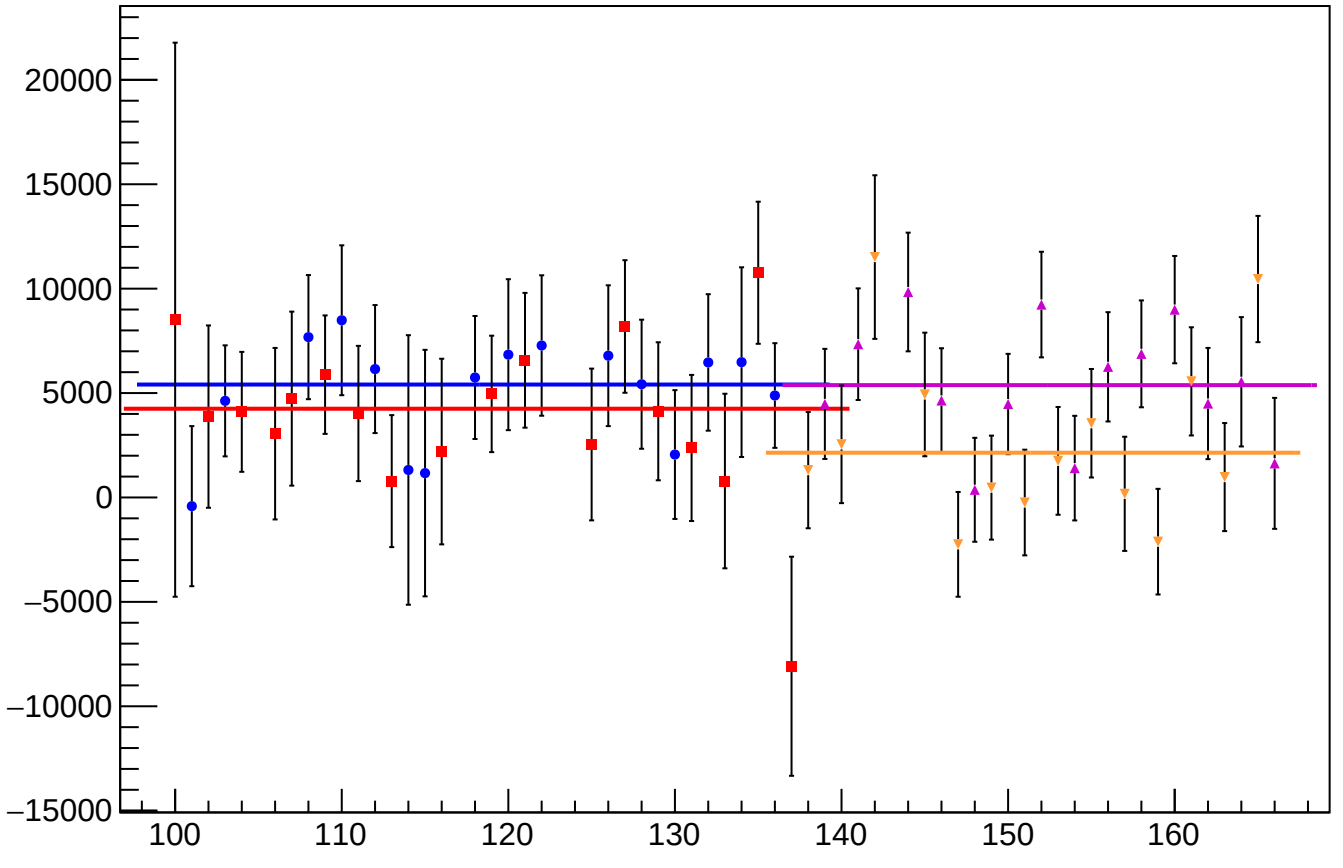
Left: 10154.770+/-1.542 χ^2/NDF: 1298652.3/27

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9360.887+/-1.562 χ^2/NDF:1390338.7/29

Out: 9151.986+/-1.556 χ^2/NDF:1572897.4/31

All: 9256.046+/-1.102 χ^2/NDF: 2972215.0/61



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2142.843+/-724.188 χ^2/NDF:24.3/13

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5379.377+/-704.511 χ^2/NDF:16.2/13

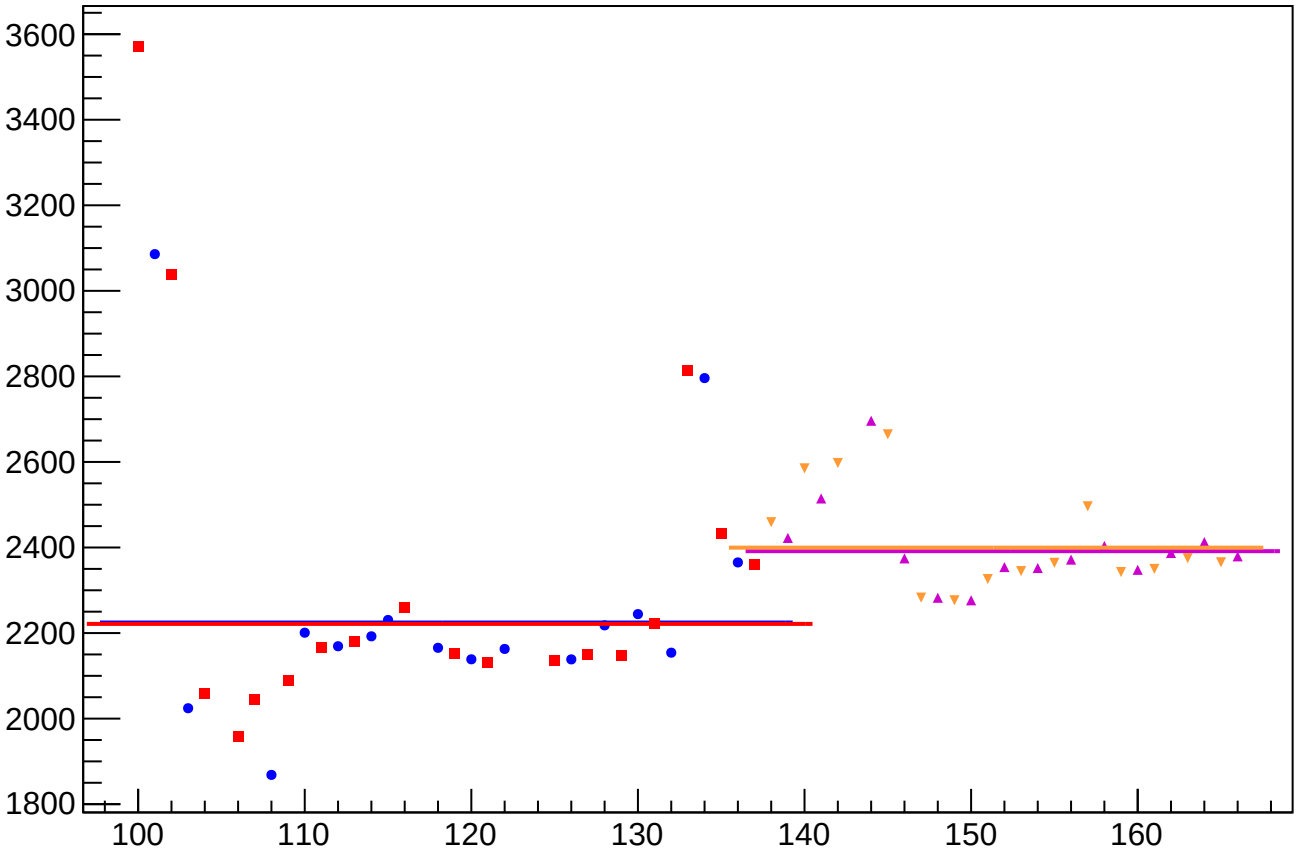
Left: 3805.676+/-504.978 χ^2/NDF: 50.8/27

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5391.246+/-538.106 χ^2/NDF:22.9/29

Out: 3042.031+/-548.306 χ^2/NDF:42.4/31

All: 4238.692+/-384.054 χ^2/NDF: 74.7/61



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2399.676+/-0.512 χ^2/NDF:47572.0/13

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.442+/-0.498 χ^2/NDF:37817.5/13

Left: 2395.446+/-0.357 χ^2/NDF: 85522.4/27

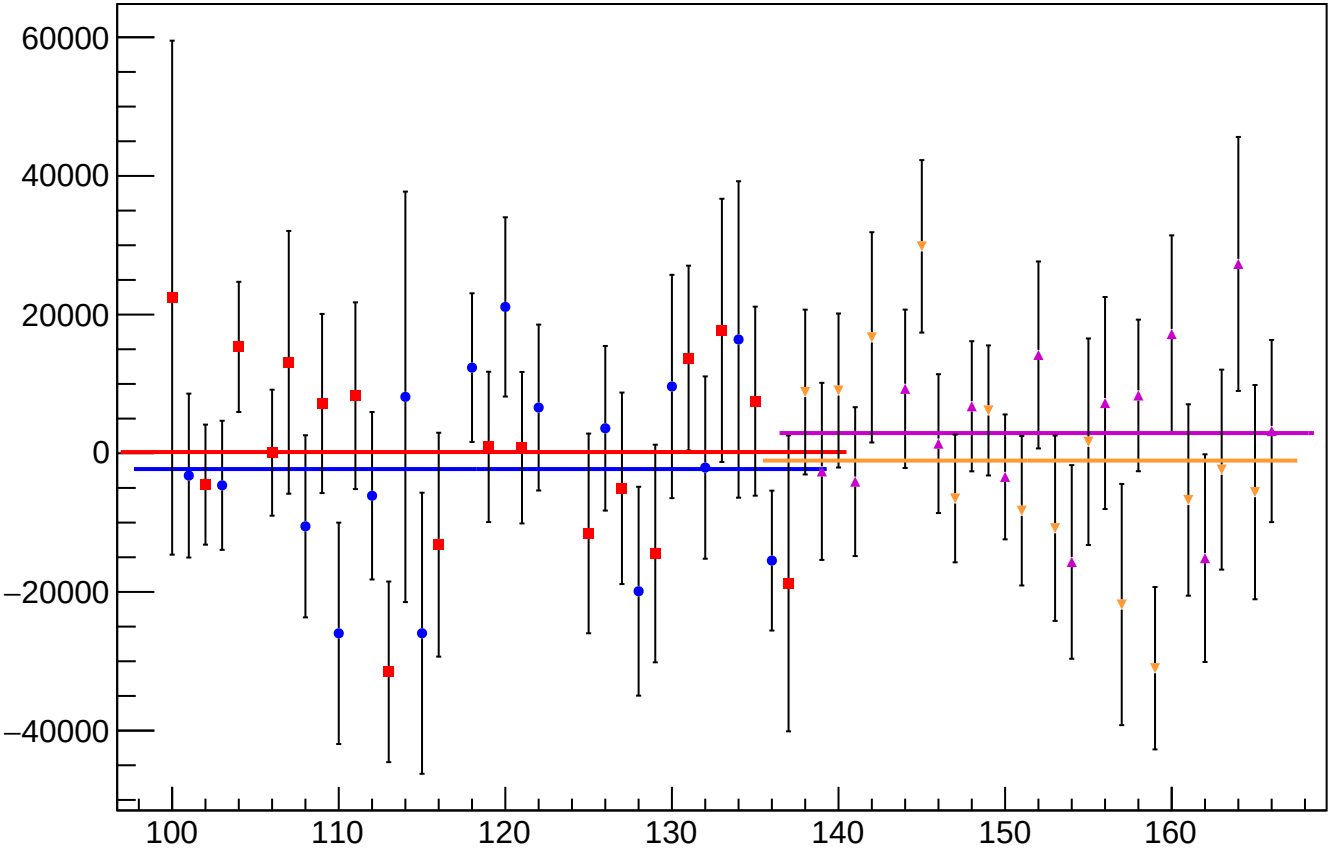
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2321.940+/-0.380 χ^2/NDF:269219.6/29

Out: 2323.554+/-0.388 χ^2/NDF:269261.9/31

All: 2322.732+/-0.272 χ^2/NDF: 538490.3/61

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -1054.256+/-3284.403 χ^2/NDF:19.3/13

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2915.630+/-3201.471 χ^2/NDF:8.6/13

Left: 981.440+/-2292.541 χ^2/NDF: 28.6/27

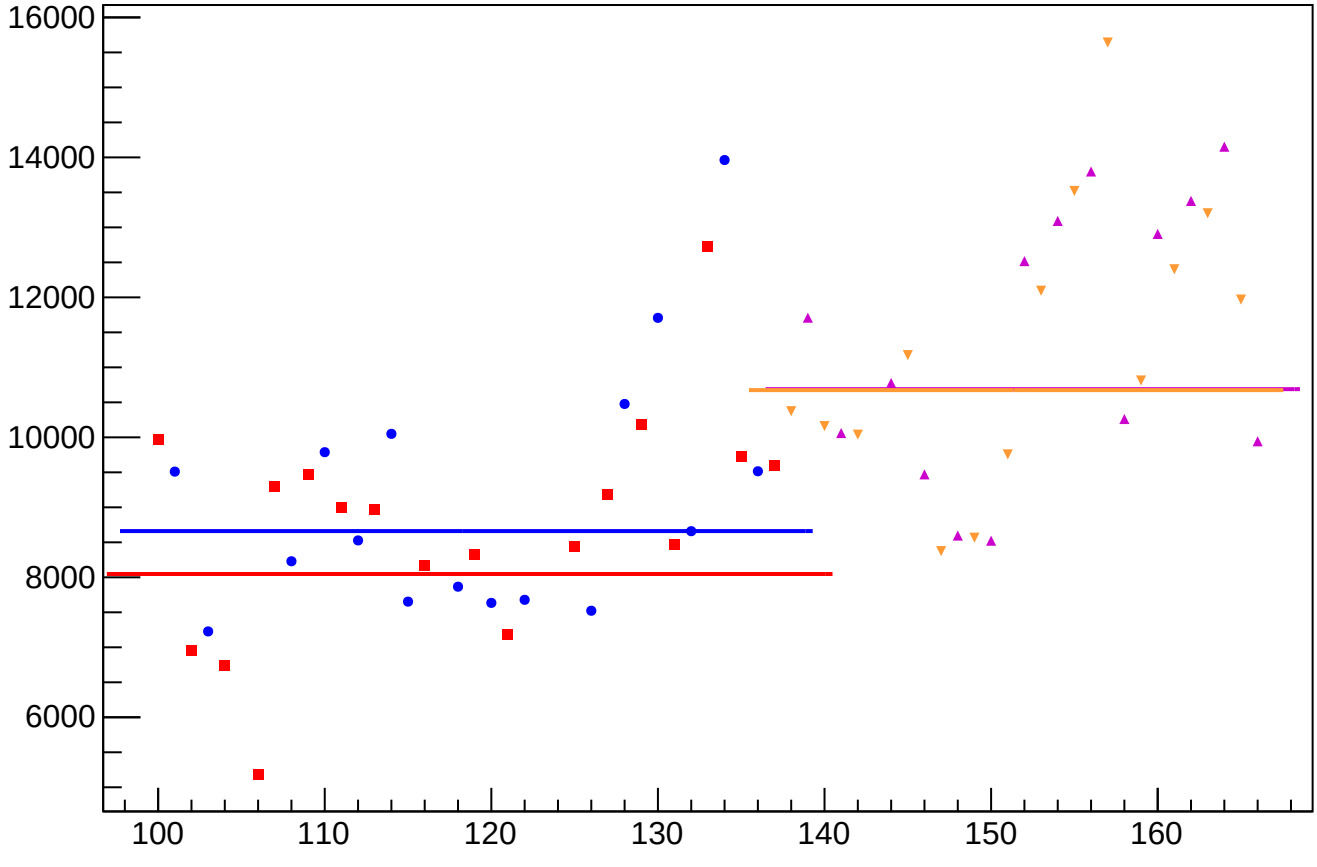
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 374.979+/-2288.225 χ^2/NDF:24.4/29

Out: -390.169+/-2229.172 χ^2/NDF:35.0/31

All: -17.596+/-1596.731 χ^2/NDF: 59.5/61

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10674.901+/-2.322 χ^2/NDF:618205.2/13

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10688.761+/-2.264 χ^2/NDF:637155.4/13

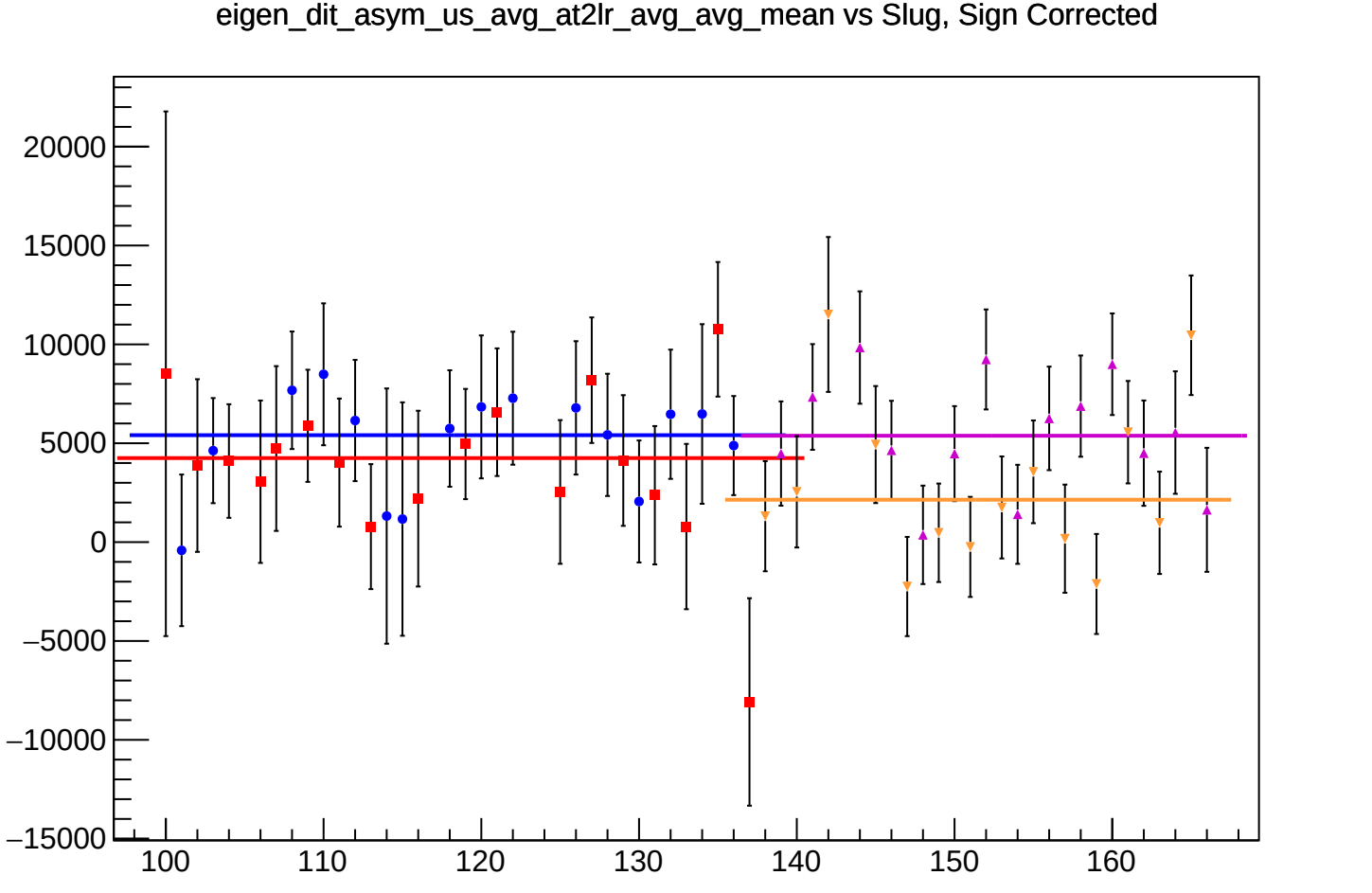
Left: 10682.008+/-1.621 χ^2/NDF: 1255378.8/27

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9696.762+/-1.618 χ^2/NDF:1387686.3/29

Out: 9257.799+/-1.576 χ^2/NDF:1867085.5/31

All: 9471.543+/-1.129 χ^2/NDF: 3292534.7/61



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2142.822+/-724.189 χ^2/NDF:24.3/13

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5379.381+/-704.512 χ^2/NDF:16.2/13

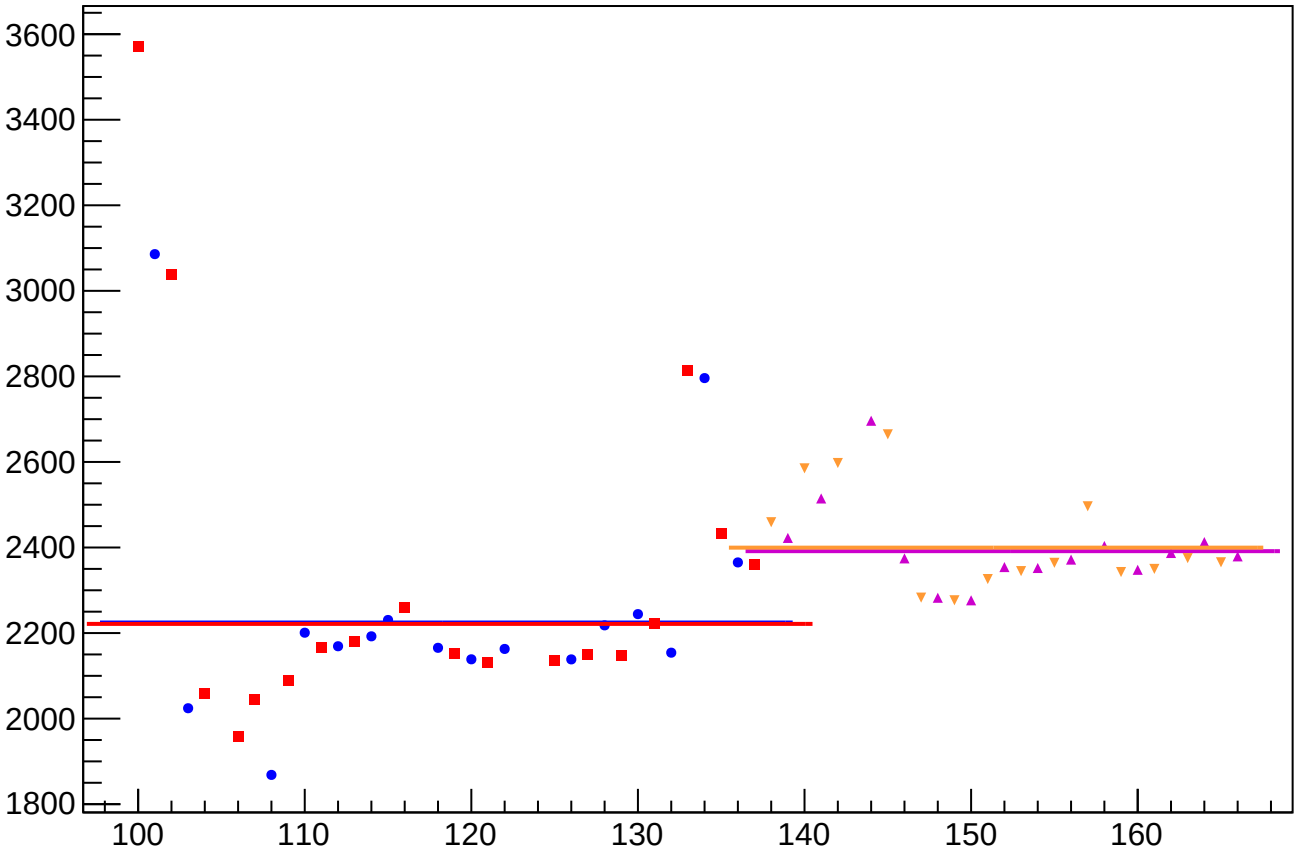
Left: 3805.668+/-504.979 χ^2/NDF: 50.8/27

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5391.250+/-538.107 χ^2/NDF:22.9/29

Out: 3042.023+/-548.306 χ^2/NDF:42.4/31

All: 4238.689+/-384.054 χ^2/NDF: 74.7/61



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2399.680+/-0.512 χ^2/NDF:47572.5/13

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.446+/-0.498 χ^2/NDF:37817.8/13

Left: 2395.450+/-0.357 χ^2/NDF: 85523.2/27

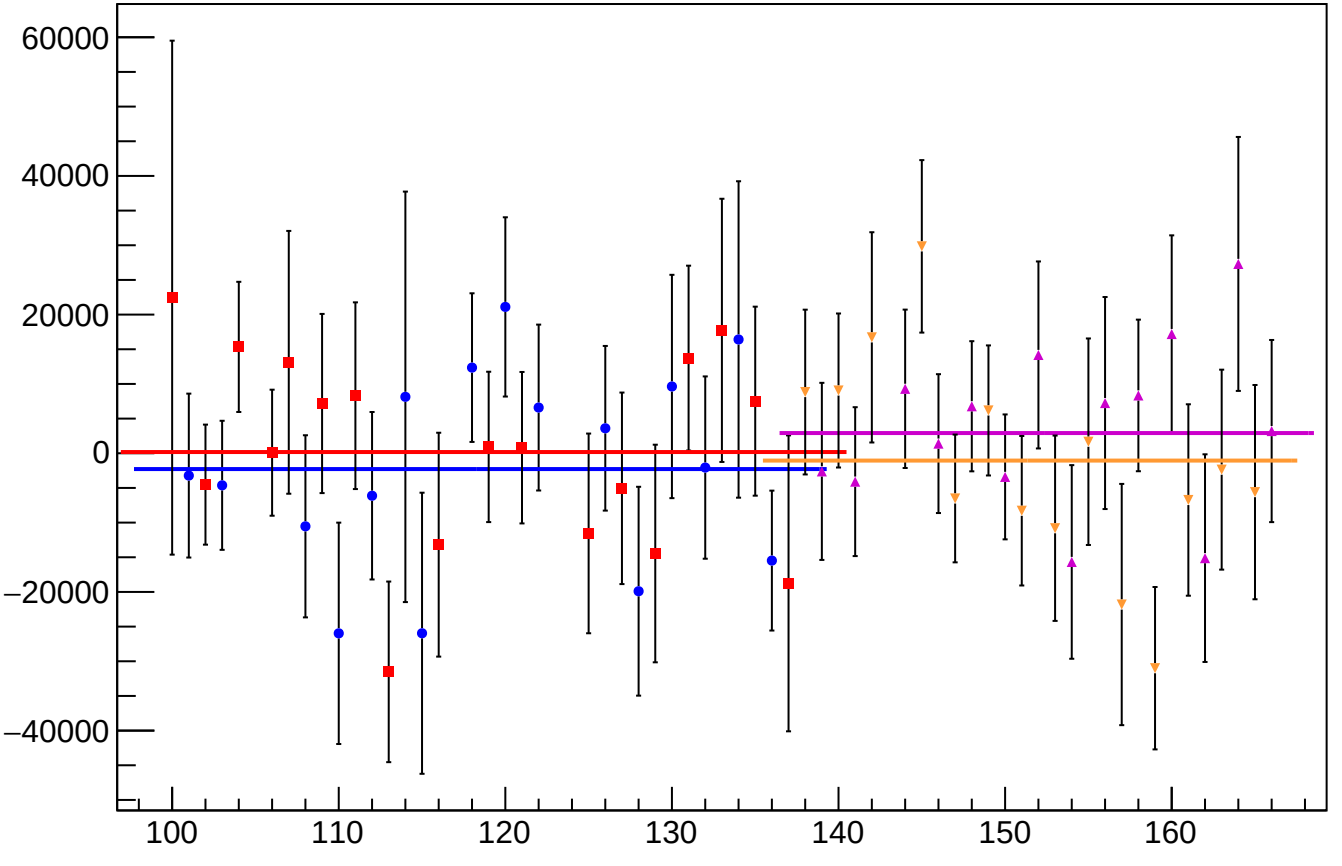
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2321.942+/-0.380 χ^2/NDF:269222.5/29

Out: 2323.555+/-0.388 χ^2/NDF:269265.0/31

All: 2322.734+/-0.272 χ^2/NDF: 538496.4/61

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -1054.268+/-3284.408 χ^2/NDF:19.3/13

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2915.629+/-3201.476 χ^2/NDF:8.6/13

Left: 981.433+/-2292.544 χ^2/NDF: 28.6/27

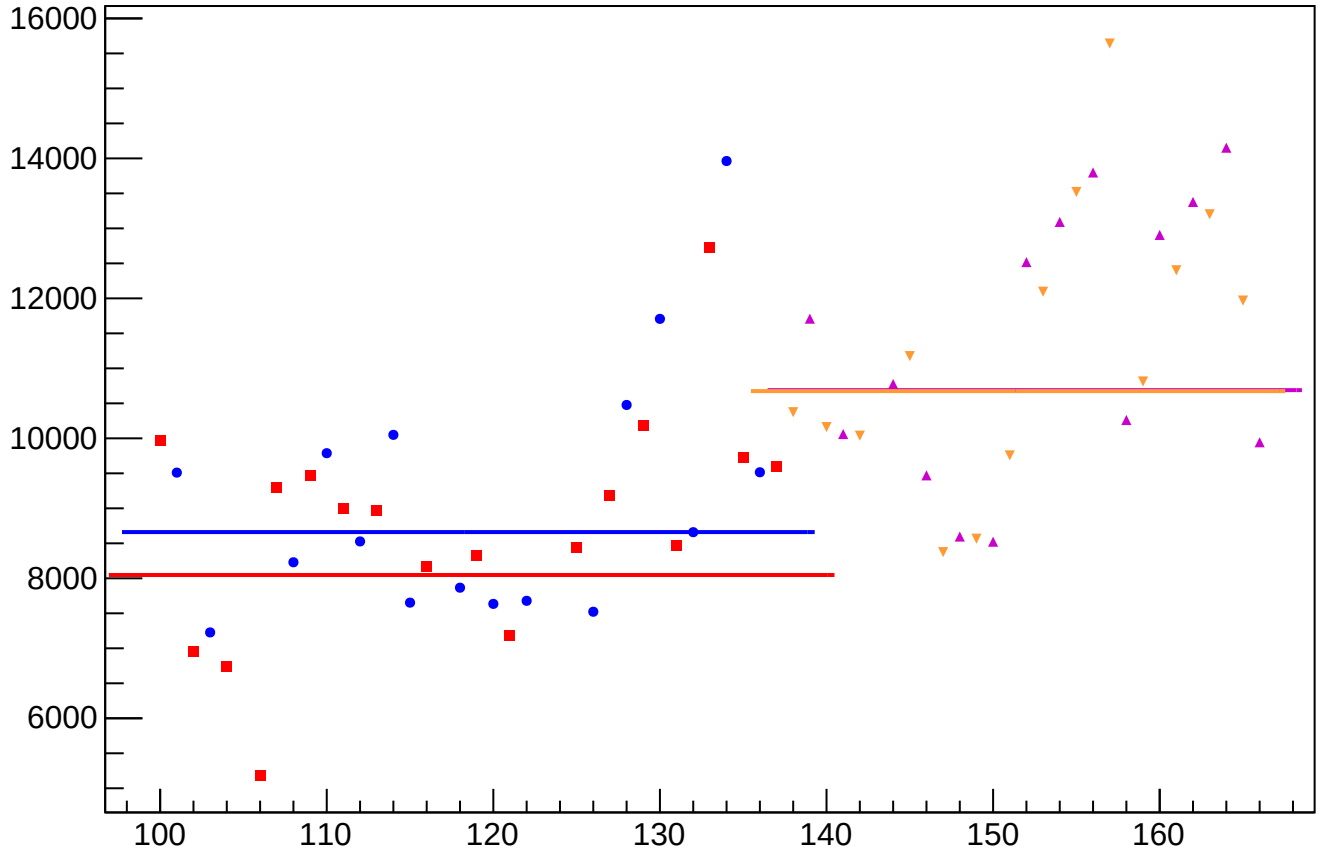
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 374.980+/-2288.224 χ^2/NDF:24.4/29

Out: -390.170+/-2229.171 χ^2/NDF:35.0/31

All: -17.596+/-1596.731 χ^2/NDF: 59.5/61

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10674.916+/-2.322 χ^2/NDF:618207.4/13

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10688.777+/-2.264 χ^2/NDF:637156.8/13

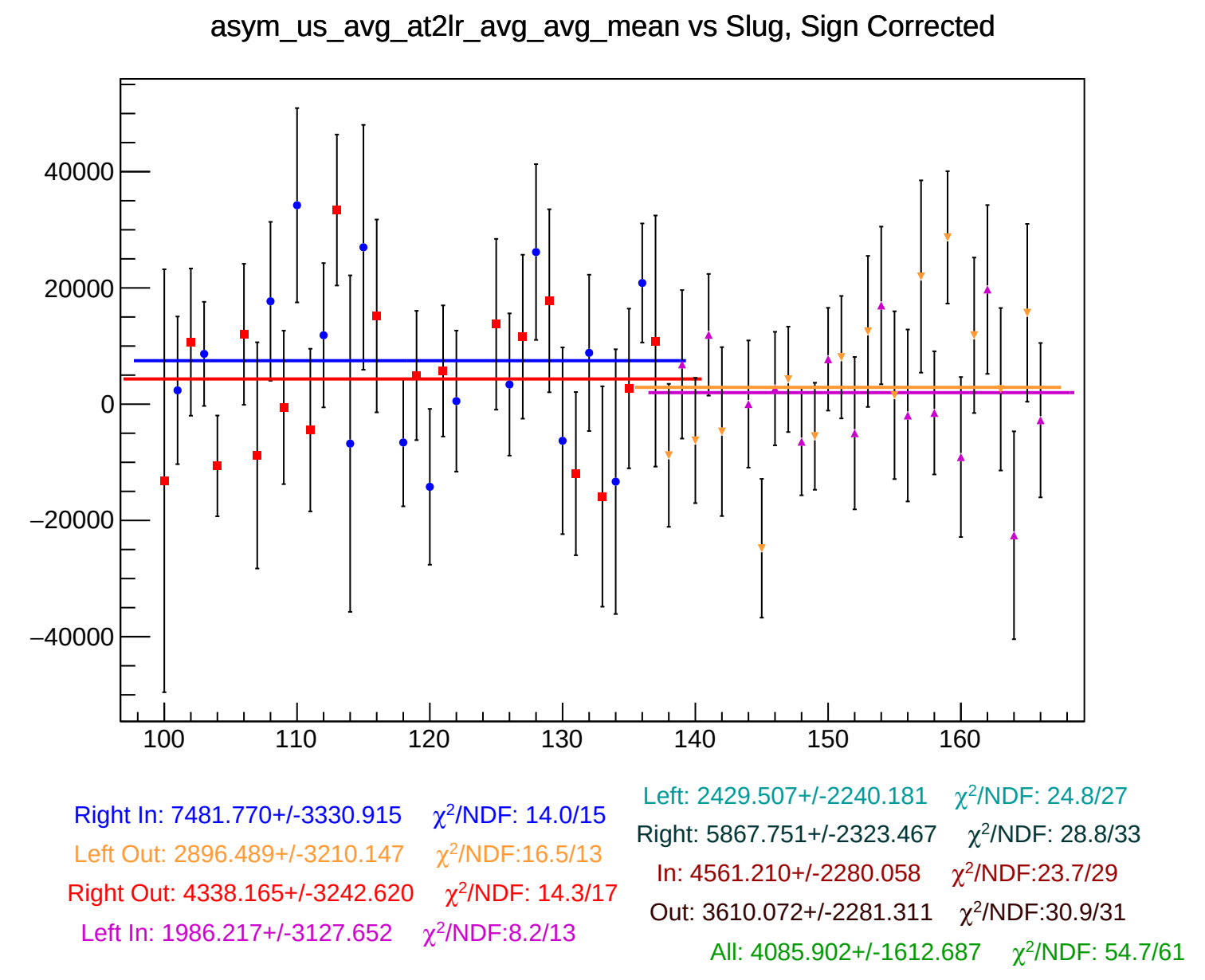
Left: 10682.024+/-1.621 χ^2/NDF: 1255382.5/27

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

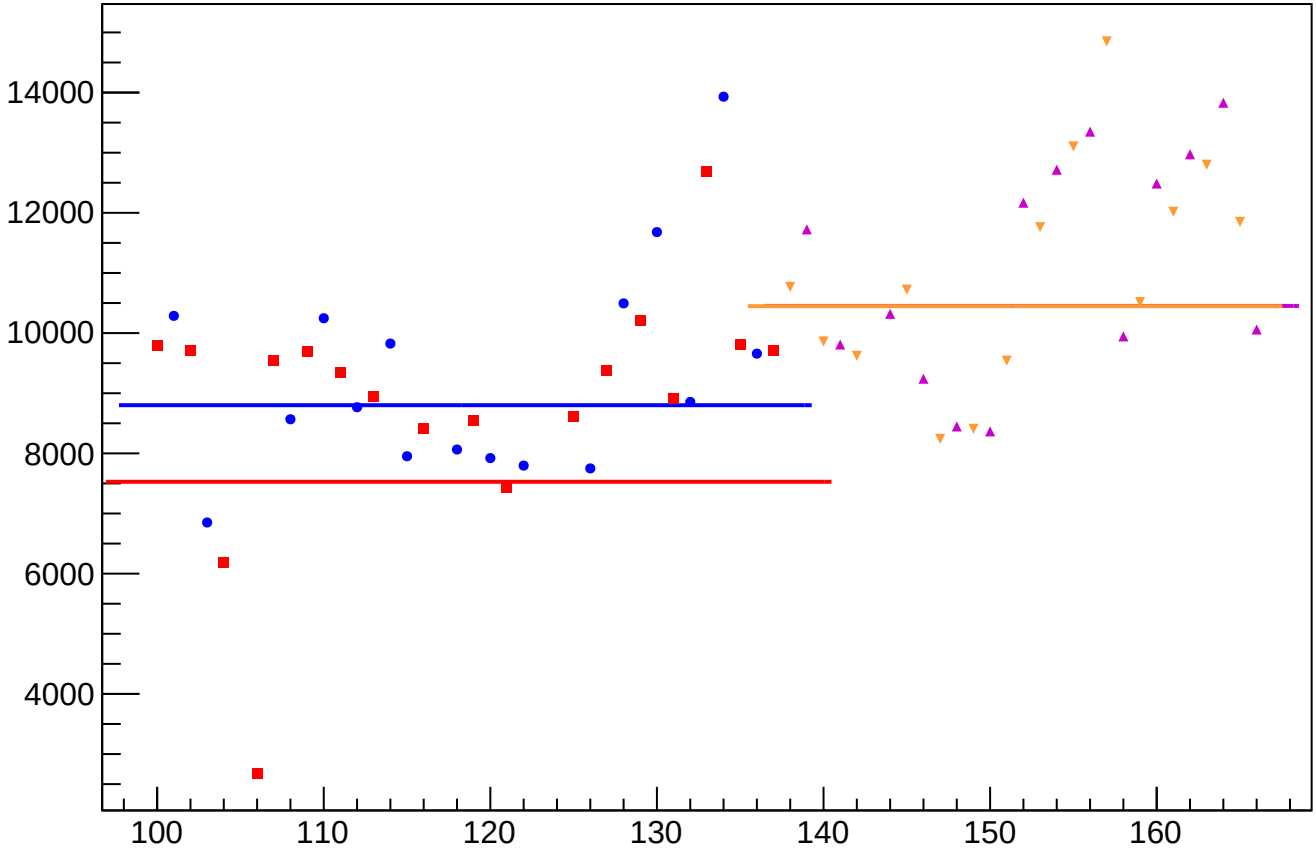
In: 9696.756+/-1.618 χ^2/NDF:1387704.7/29

Out: 9257.792+/-1.576 χ^2/NDF:1867104.0/31

All: 9471.536+/-1.129 χ^2/NDF: 3292571.8/61


asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: 2896.489+/-3210.147 χ²/NDF:16.5/13
Right Out: 4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: 1986.217+/-3127.652 χ²/NDF:8.2/13
Left: 2429.507+/-2240.181 χ²/NDF: 24.8/27
Right: 5867.751+/-2323.467 χ²/NDF: 28.8/33
In: 4561.210+/-2280.058 χ²/NDF:23.7/29
Out: 3610.072+/-2281.311 χ²/NDF:30.9/31
All: 4085.902+/-1612.687 χ²/NDF: 54.7/61

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10447.436+/-2.270 χ^2/NDF:577349.3/13

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10451.873+/-2.212 χ^2/NDF:612958.2/13

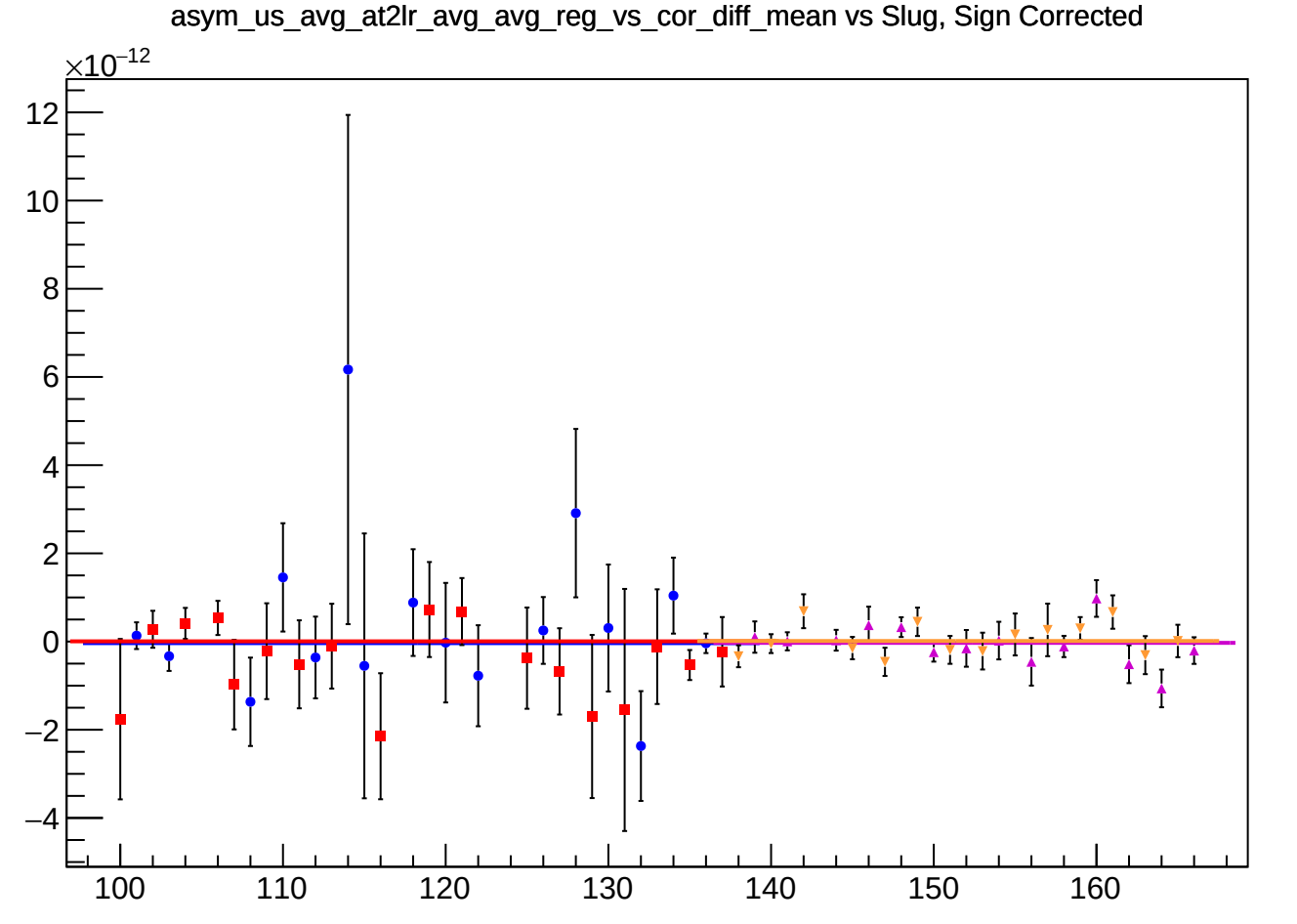
Left: 10449.712+/-1.584 χ^2/NDF: 1190309.5/27

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

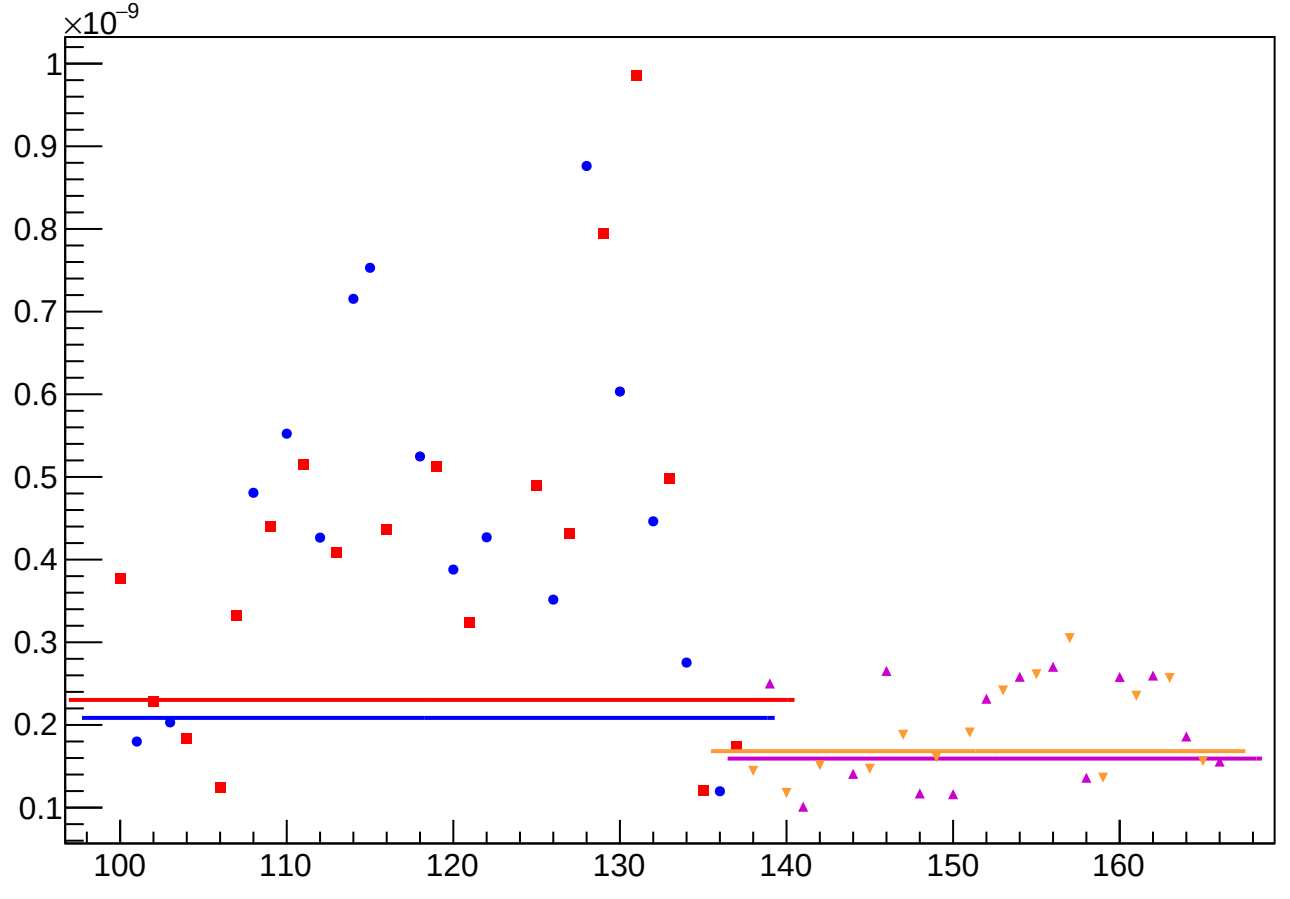
In: 9678.366+/-1.612 χ^2/NDF:1268599.8/29

Out: 8893.724+/-1.553 χ^2/NDF:3115046.2/31

All: 9271.265+/-1.118 χ^2/NDF: 4506536.3/61


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:15.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:18.8/13
Left: -0.000+/-0.000 χ²/NDF: 34.2/27
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:33.1/29
Out: 0.000+/-0.000 χ²/NDF:29.0/31
All: -0.000+/-0.000 χ²/NDF: 62.3/61

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:591027.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084810.3/13

Left: 0.000+/-0.000 χ^2/NDF: 1687553.5/27

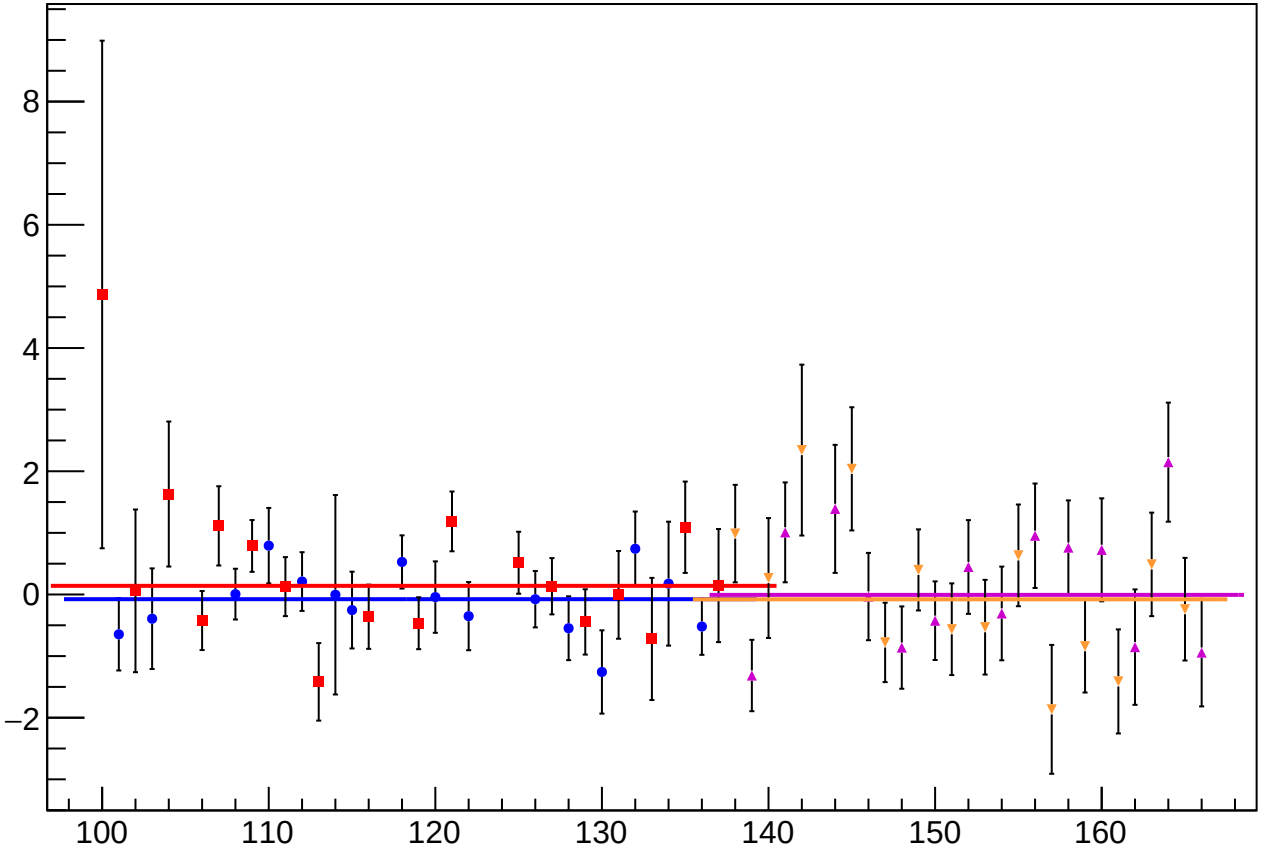
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2900110.6/29

Out: 0.000+/-0.000 χ^2/NDF:2395032.0/31

All: 0.000+/-0.000 χ^2/NDF: 5319362.8/61

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

Left: -0.040+/-0.150 χ^2/NDF: 40.7/27

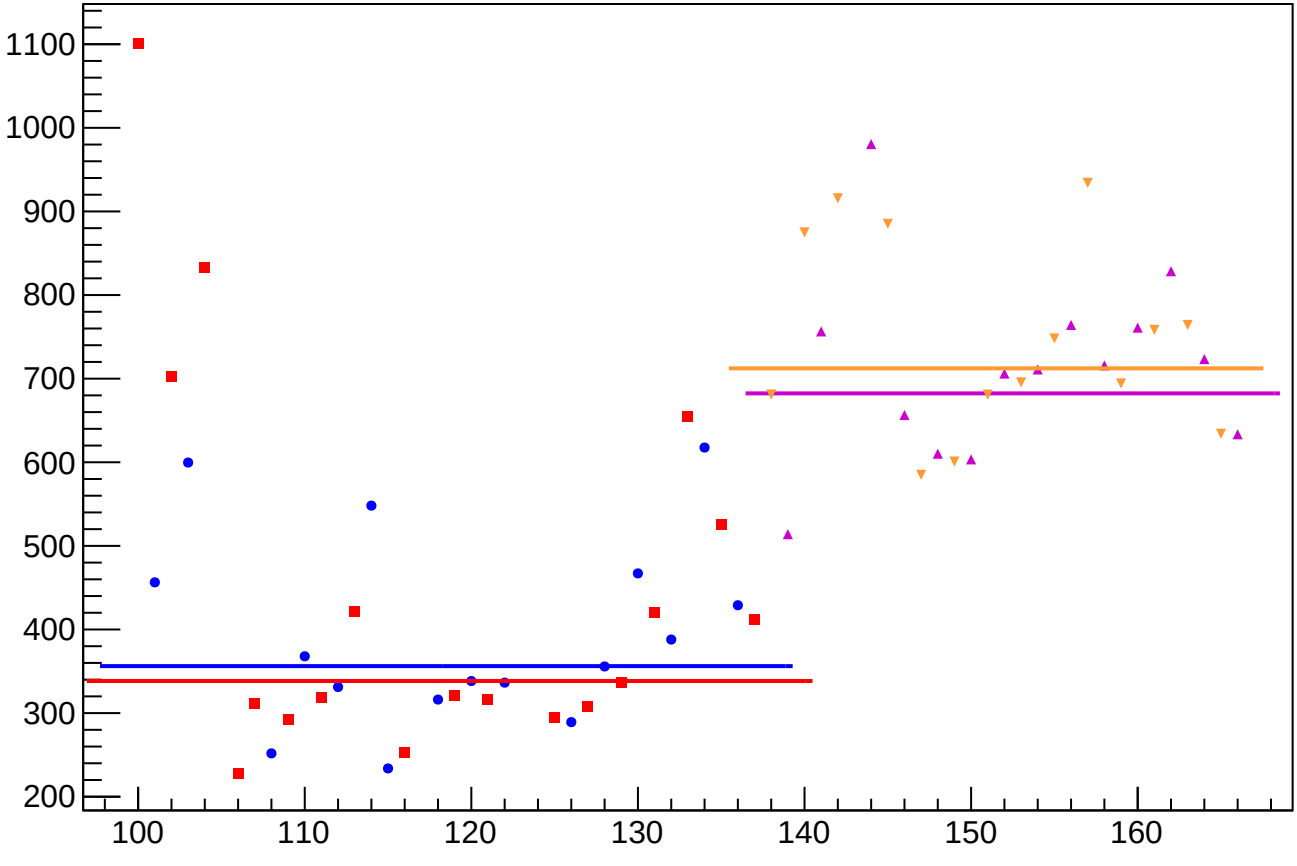
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.011+/-0.082 χ^2/NDF: 81.6/61

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.337+/-0.155 χ^2/NDF:427944.9/13

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 682.398+/-0.145 χ^2/NDF:510573.4/13

Left: 696.417+/-0.106 χ^2/NDF: 958349.5/27

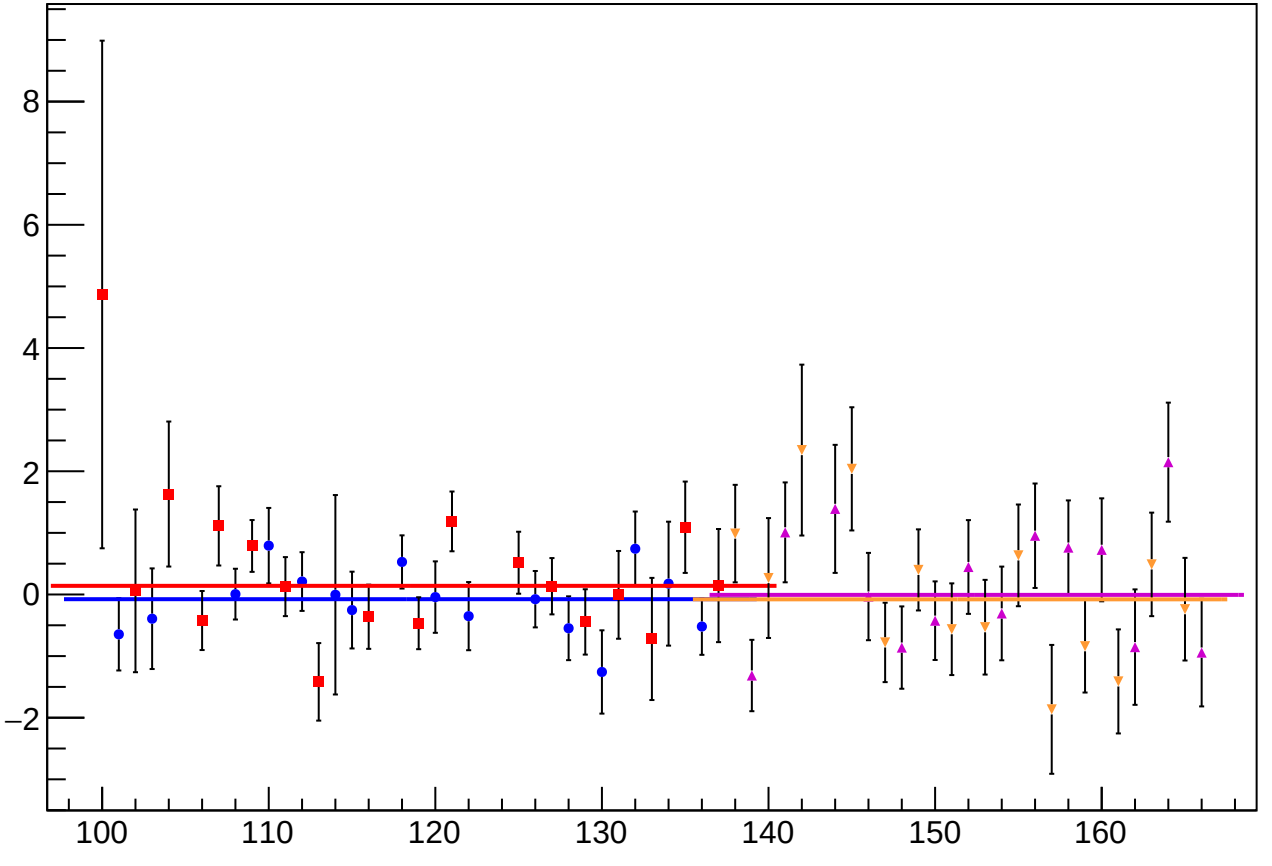
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.332+/-0.082 χ^2/NDF:4733790.7/29

Out: 444.482+/-0.083 χ^2/NDF:5798373.5/31

All: 451.976+/-0.058 χ^2/NDF: 10548485.7/61

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

Left: -0.040+/-0.150 χ^2/NDF: 40.7/27

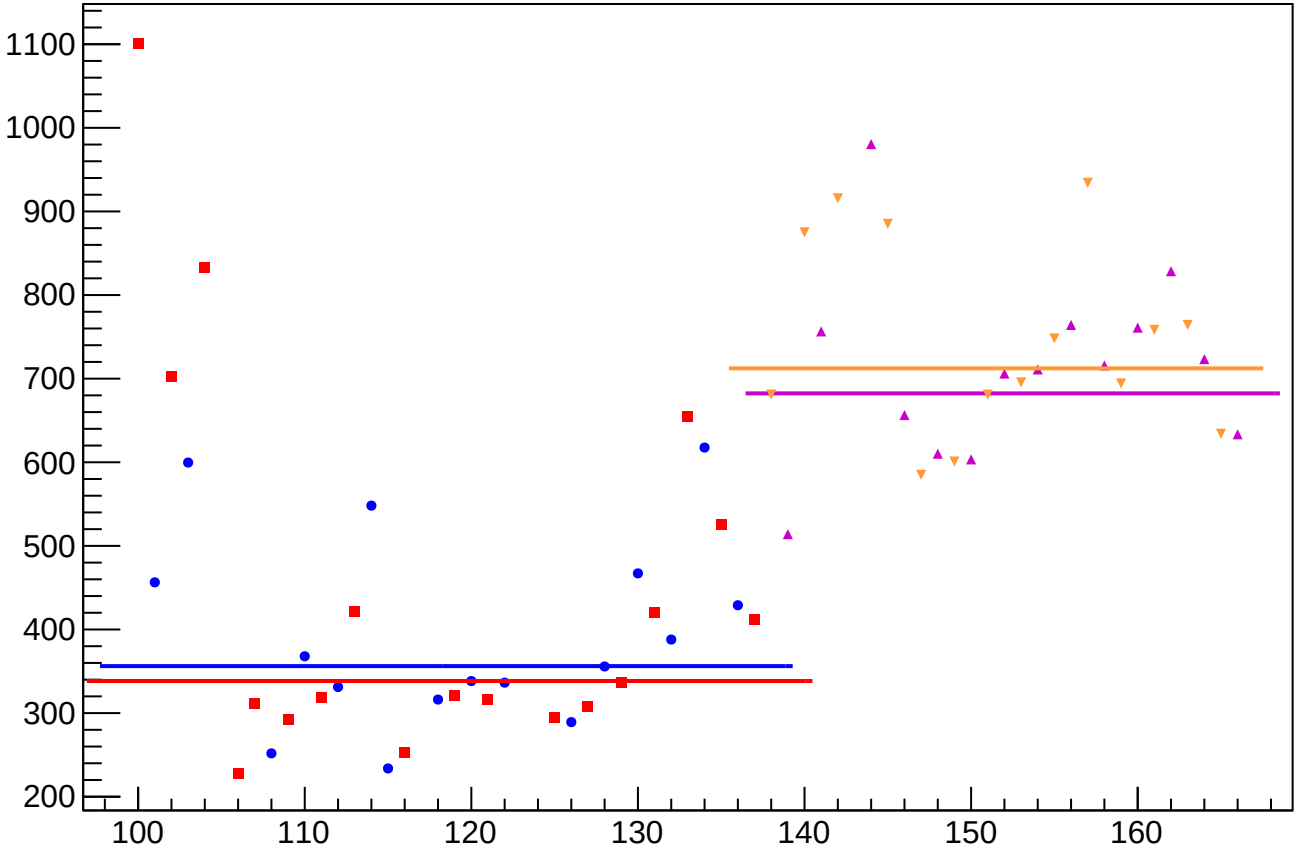
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.011+/-0.082 χ^2/NDF: 81.6/61

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.337+/-0.155 χ^2/NDF:427944.9/13

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 682.398+/-0.145 χ^2/NDF:510573.4/13

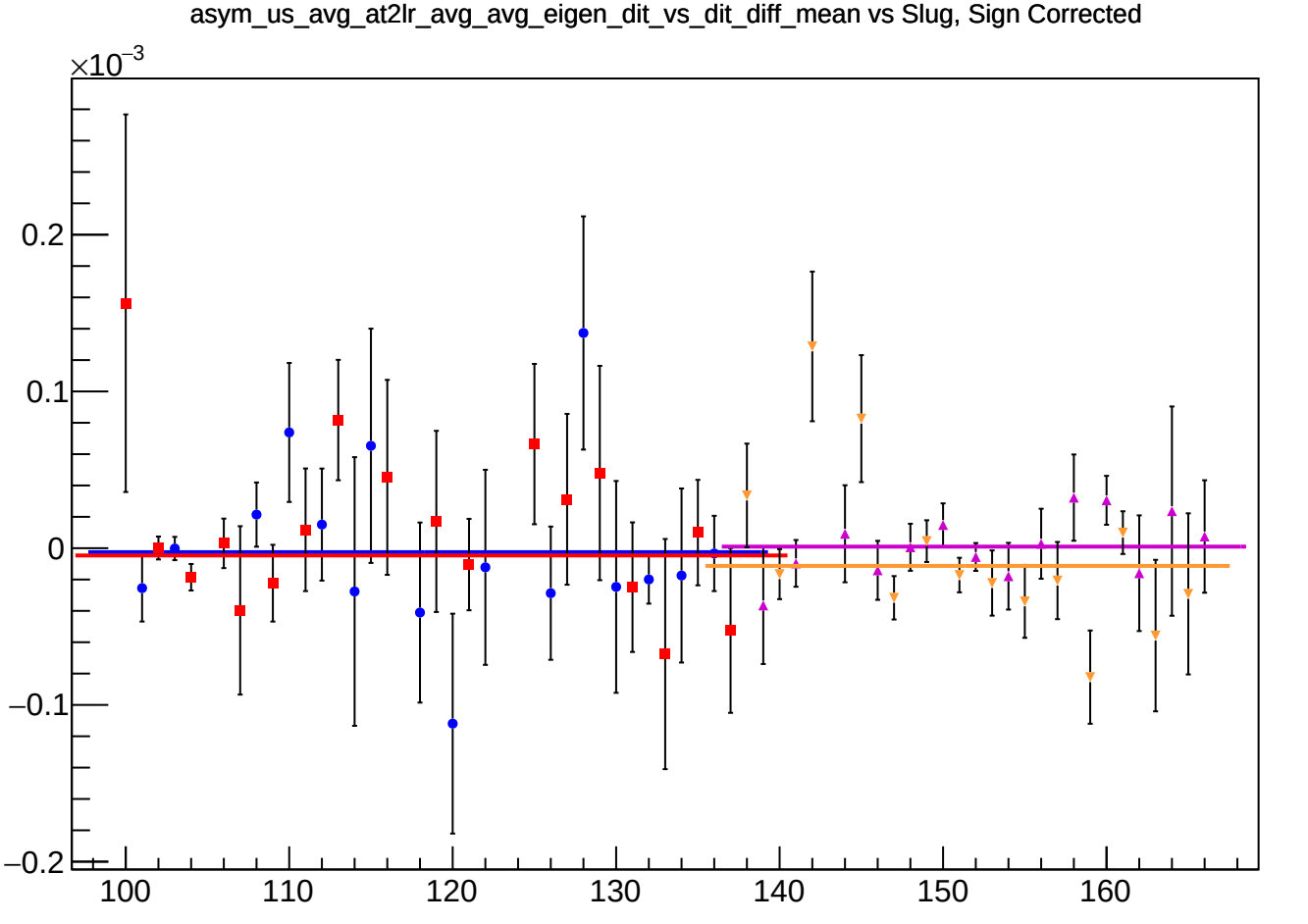
Left: 696.417+/-0.106 χ^2/NDF: 958349.5/27

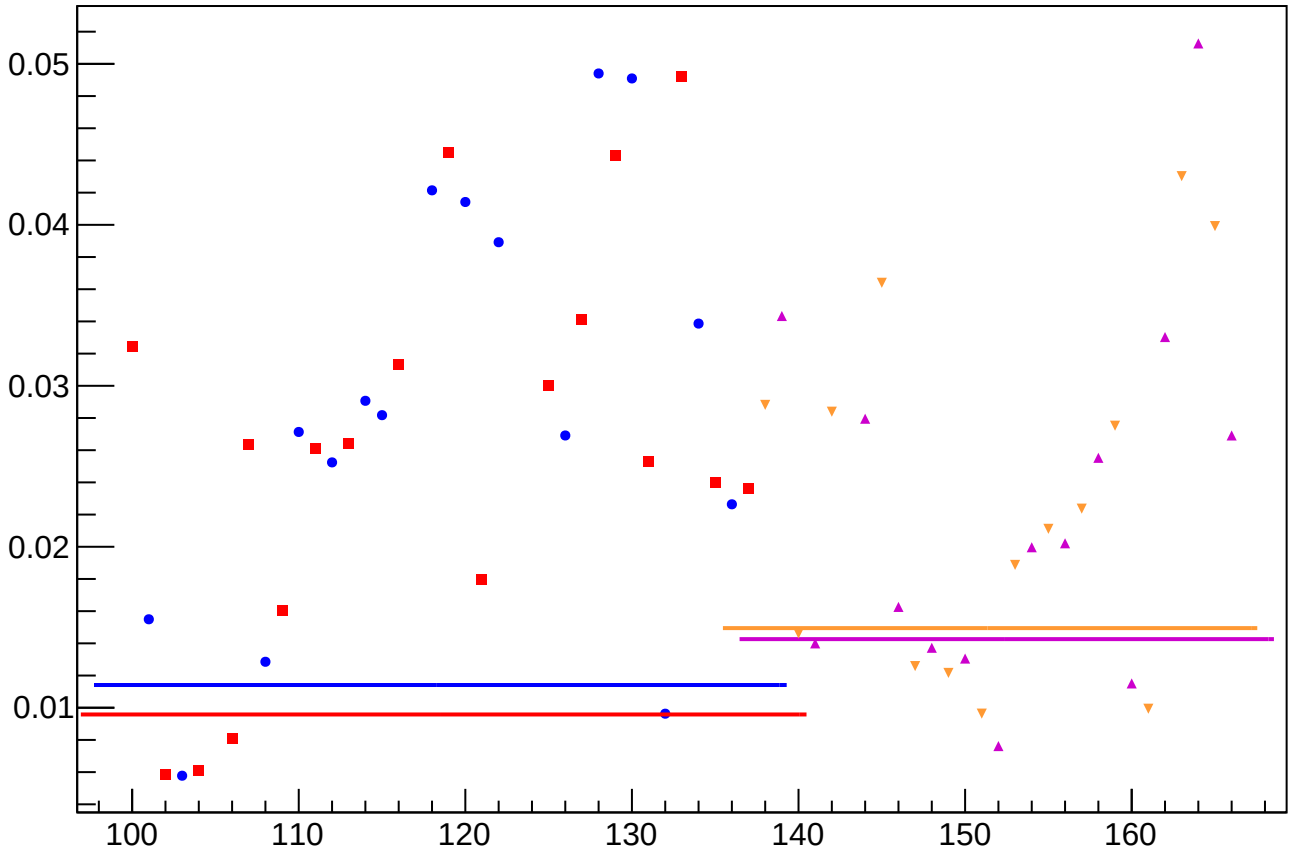
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.332+/-0.082 χ^2/NDF:4733790.7/29

Out: 444.482+/-0.083 χ^2/NDF:5798373.5/31

All: 451.976+/-0.058 χ^2/NDF: 10548485.7/61


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:30.2/13
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: 0.000+/-0.000 χ²/NDF:9.8/13
Left: -0.000+/-0.000 χ²/NDF: 43.1/27
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: -0.000+/-0.000 χ²/NDF:25.1/29
Out: -0.000+/-0.000 χ²/NDF:48.3/31
All: -0.000+/-0.000 χ²/NDF: 75.4/61



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:3851314.1/13

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:4196122.9/13

Left: 0.015+/-0.000 χ^2/NDF: 8066293.0/27

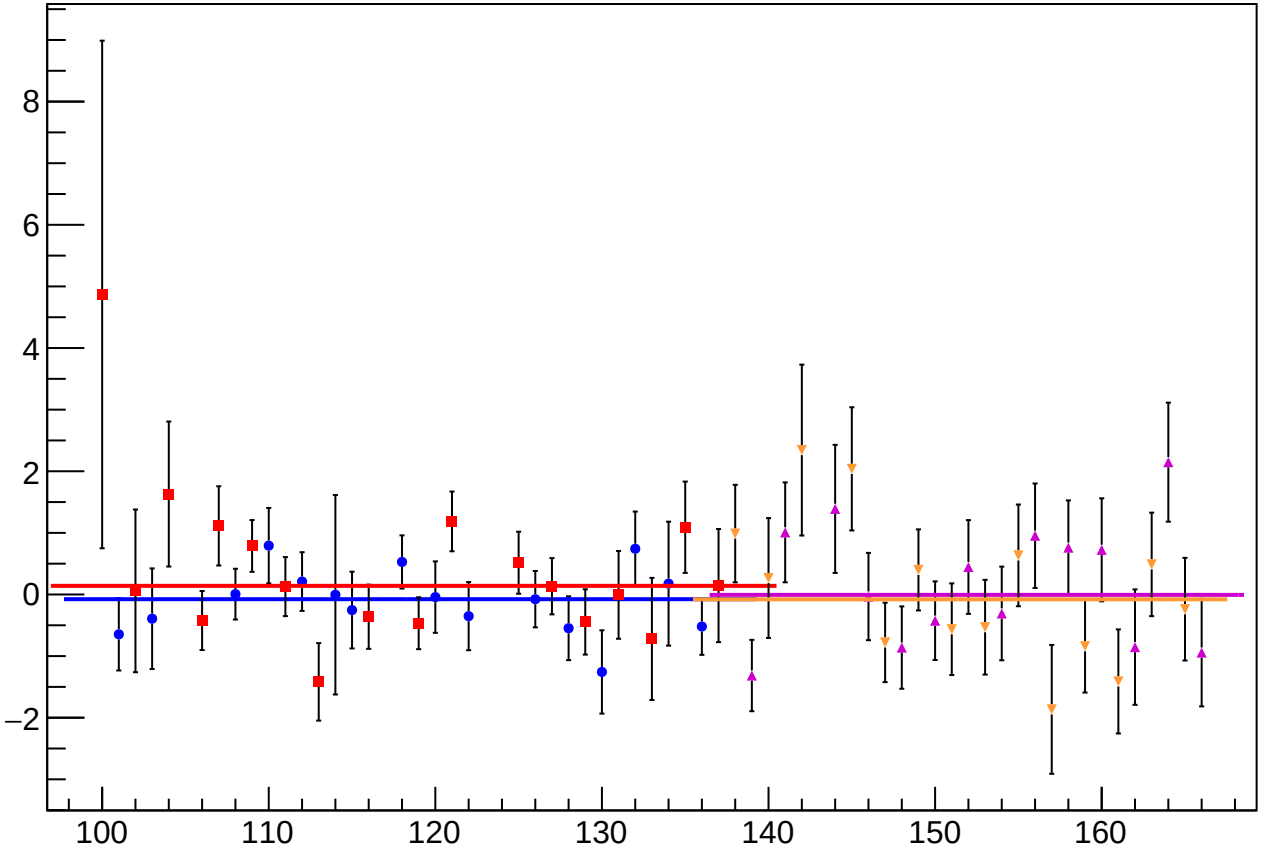
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:9996118.1/29

Out: 0.012+/-0.000 χ^2/NDF:10824836.2/31

All: 0.013+/-0.000 χ^2/NDF: 20898313.7/61

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

Left: -0.040+/-0.150 χ^2/NDF: 40.7/27

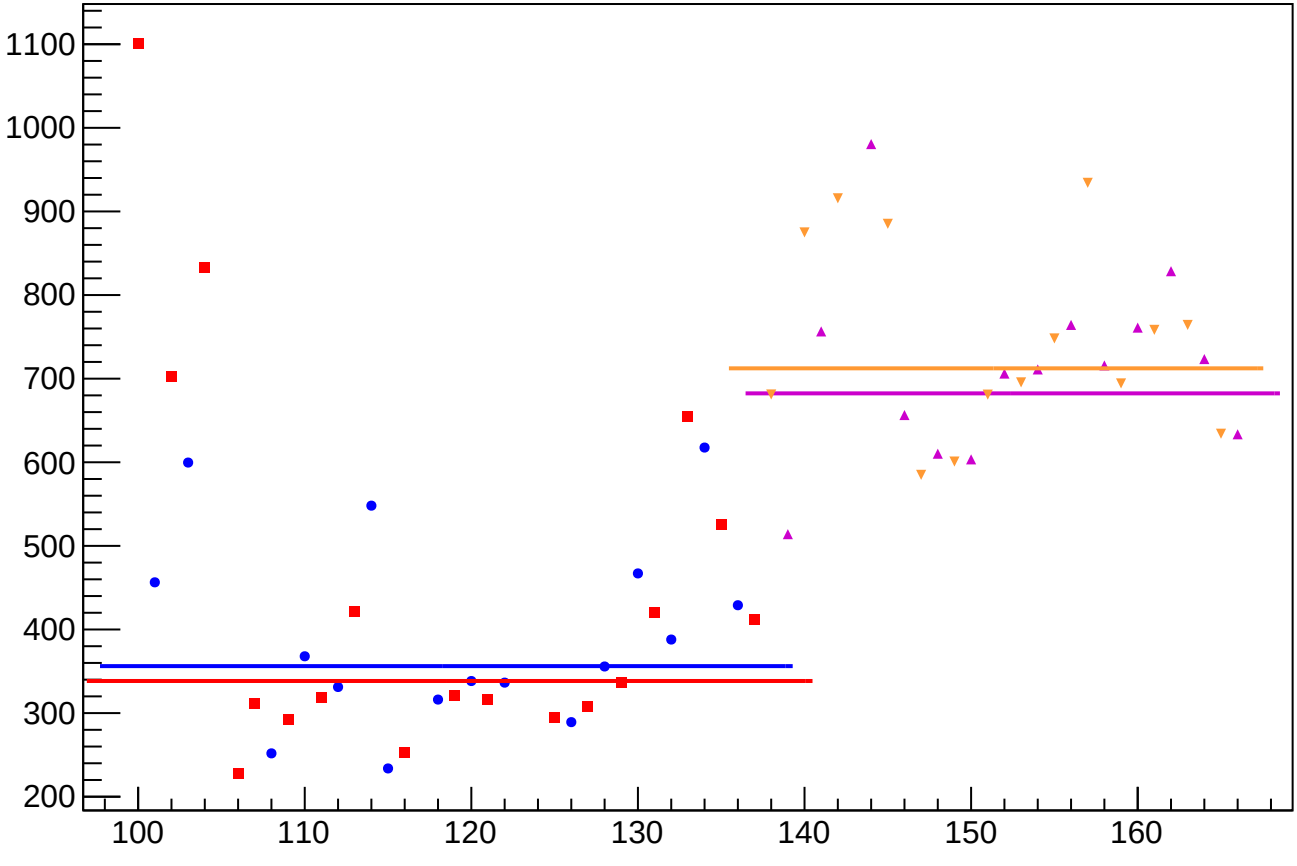
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.011+/-0.082 χ^2/NDF: 81.6/61

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 682.409+/-0.145 χ^2/NDF:510571.6/13

Left: 696.428+/-0.106 χ^2/NDF: 958357.2/27

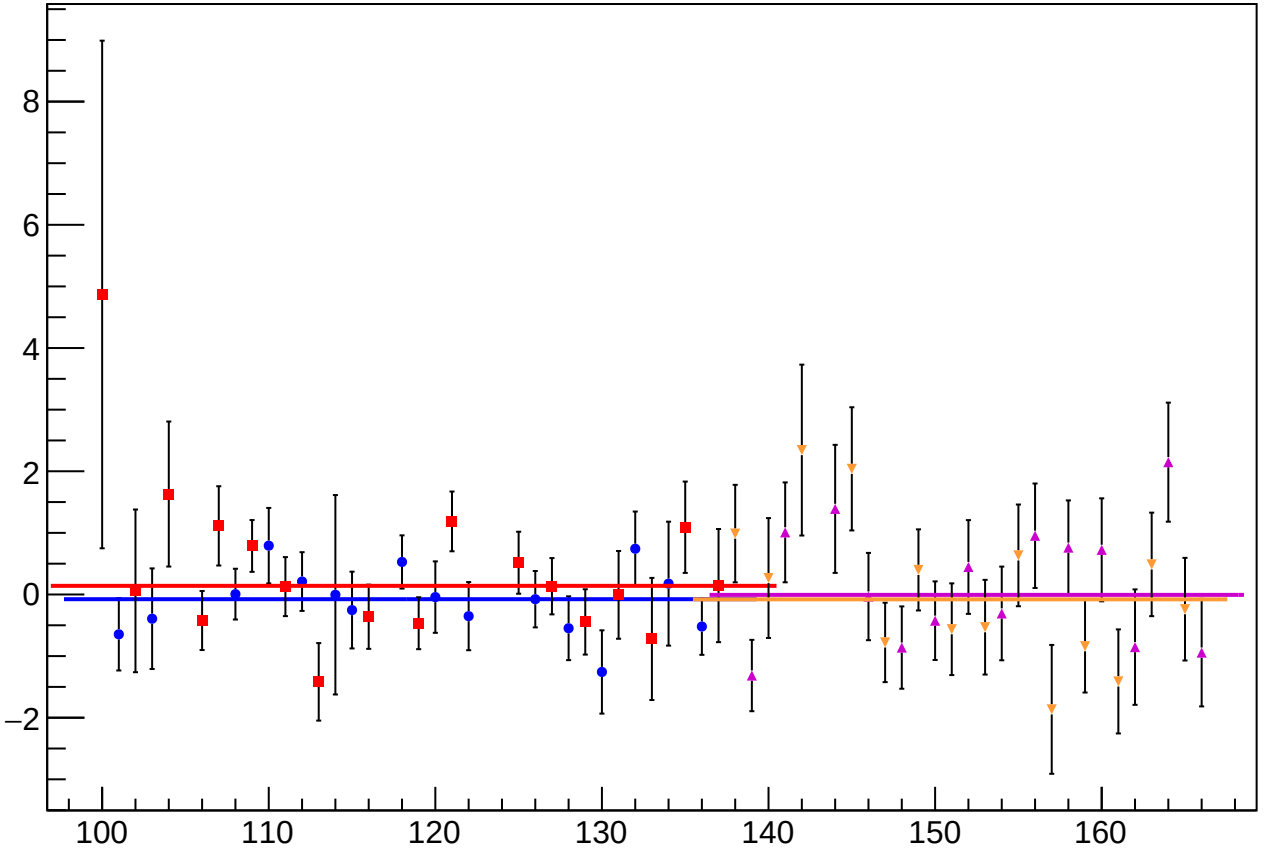
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 459.331+/-0.082 χ^2/NDF:4733950.7/29

Out: 444.481+/-0.083 χ^2/NDF:5798582.9/31

All: 451.975+/-0.058 χ^2/NDF: 10548857.9/61

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.006+/-0.206 χ^2/NDF:21.1/13

Left: -0.040+/-0.150 χ^2/NDF: 40.7/27

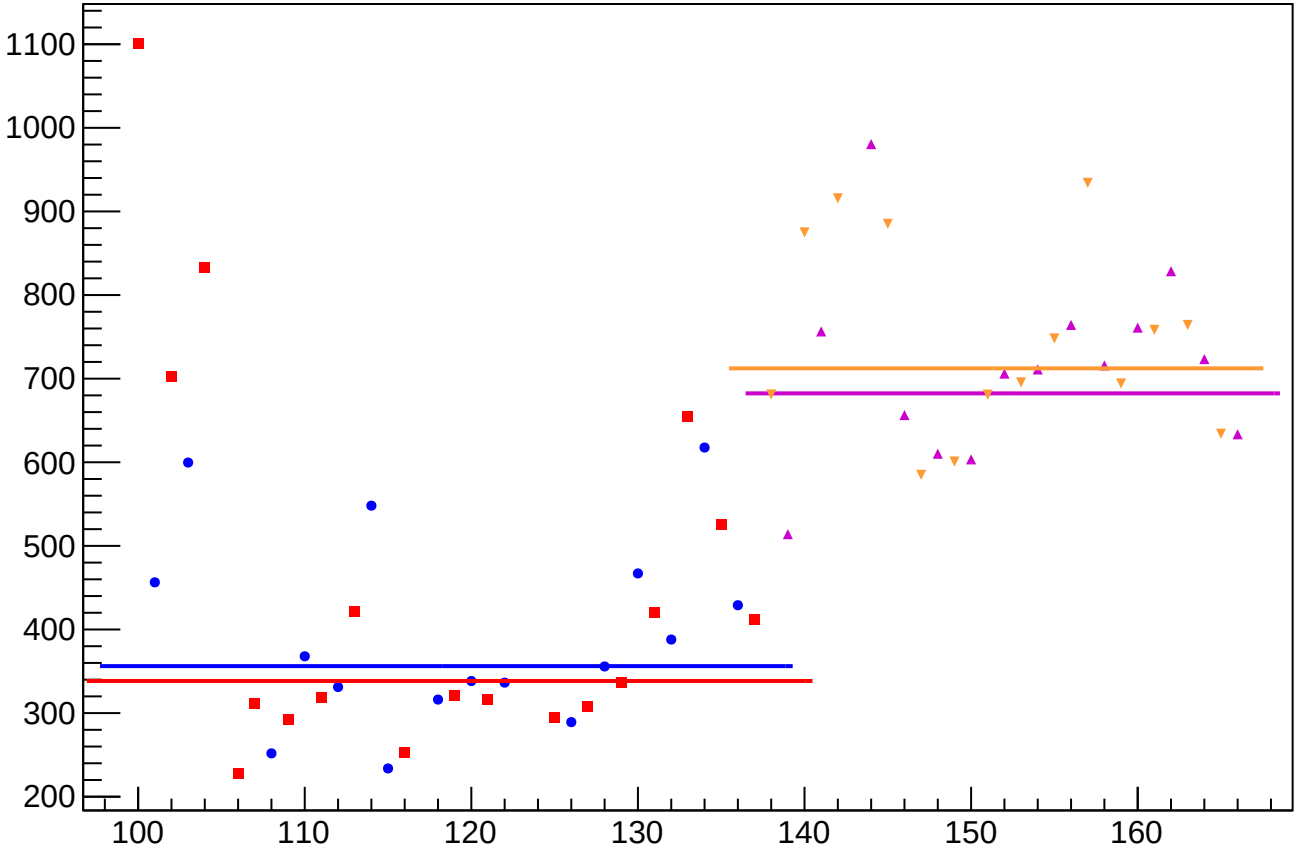
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.054+/-0.116 χ^2/NDF:33.6/29

Out: 0.078+/-0.117 χ^2/NDF:47.3/31

All: 0.011+/-0.082 χ^2/NDF: 81.6/61

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 682.409+/-0.145 χ^2/NDF:510571.6/13

Left: 696.428+/-0.106 χ^2/NDF: 958357.2/27

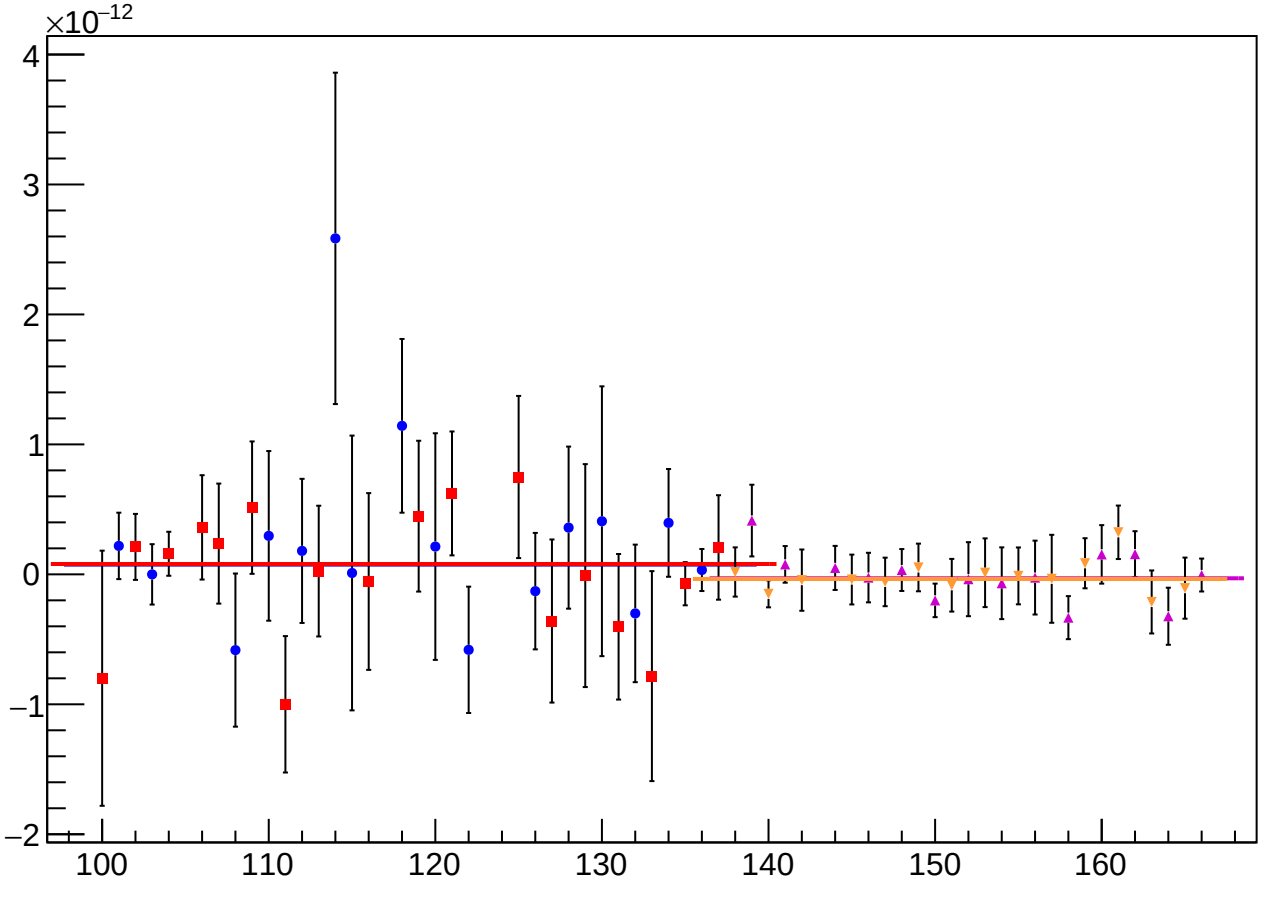
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 459.331+/-0.082 χ^2/NDF:4733950.7/29

Out: 444.481+/-0.083 χ^2/NDF:5798582.9/31

All: 451.975+/-0.058 χ^2/NDF: 10548857.9/61

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: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/13

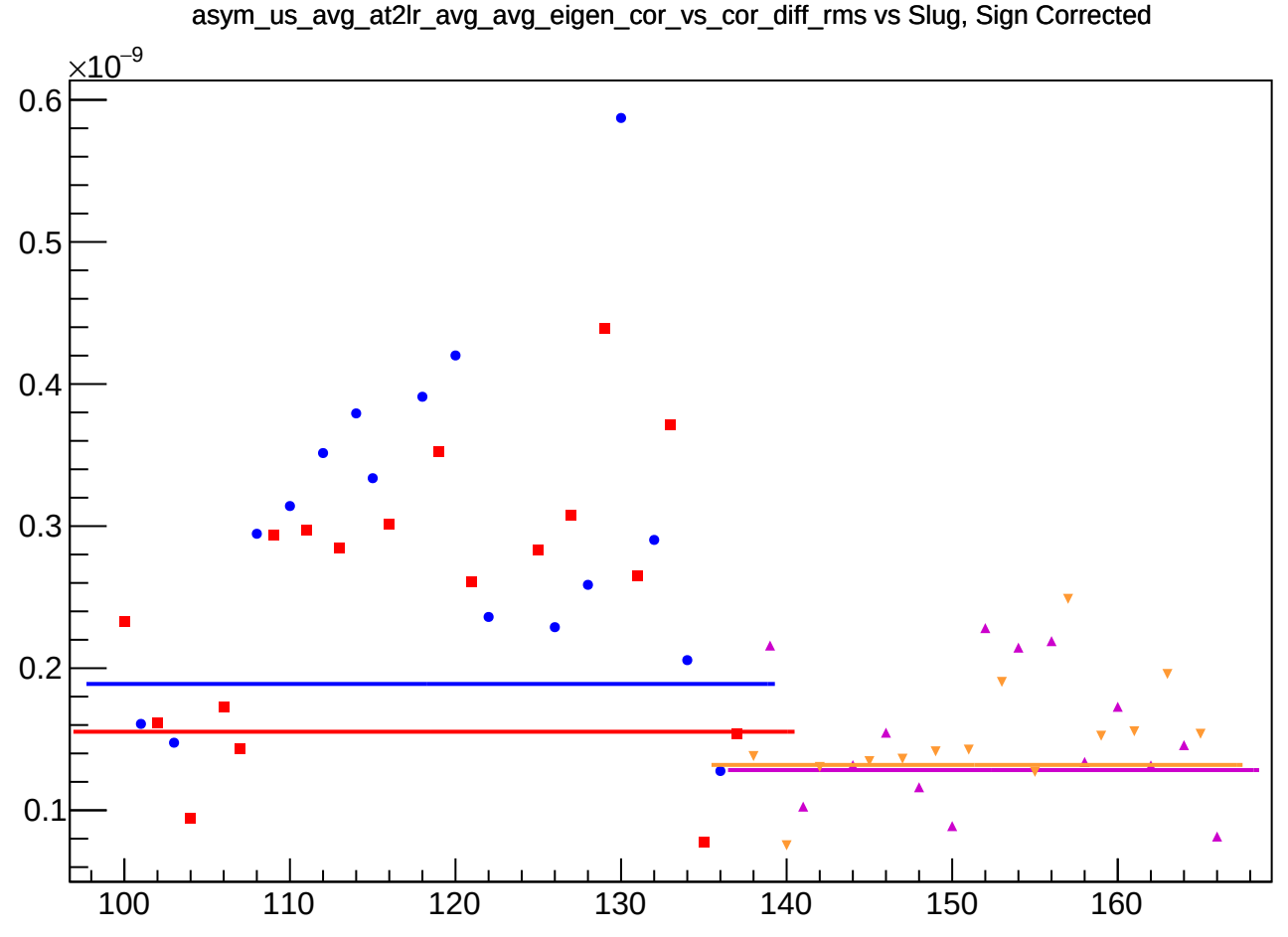
Left: -0.000+/-0.000 χ^2/NDF: 17.9/27

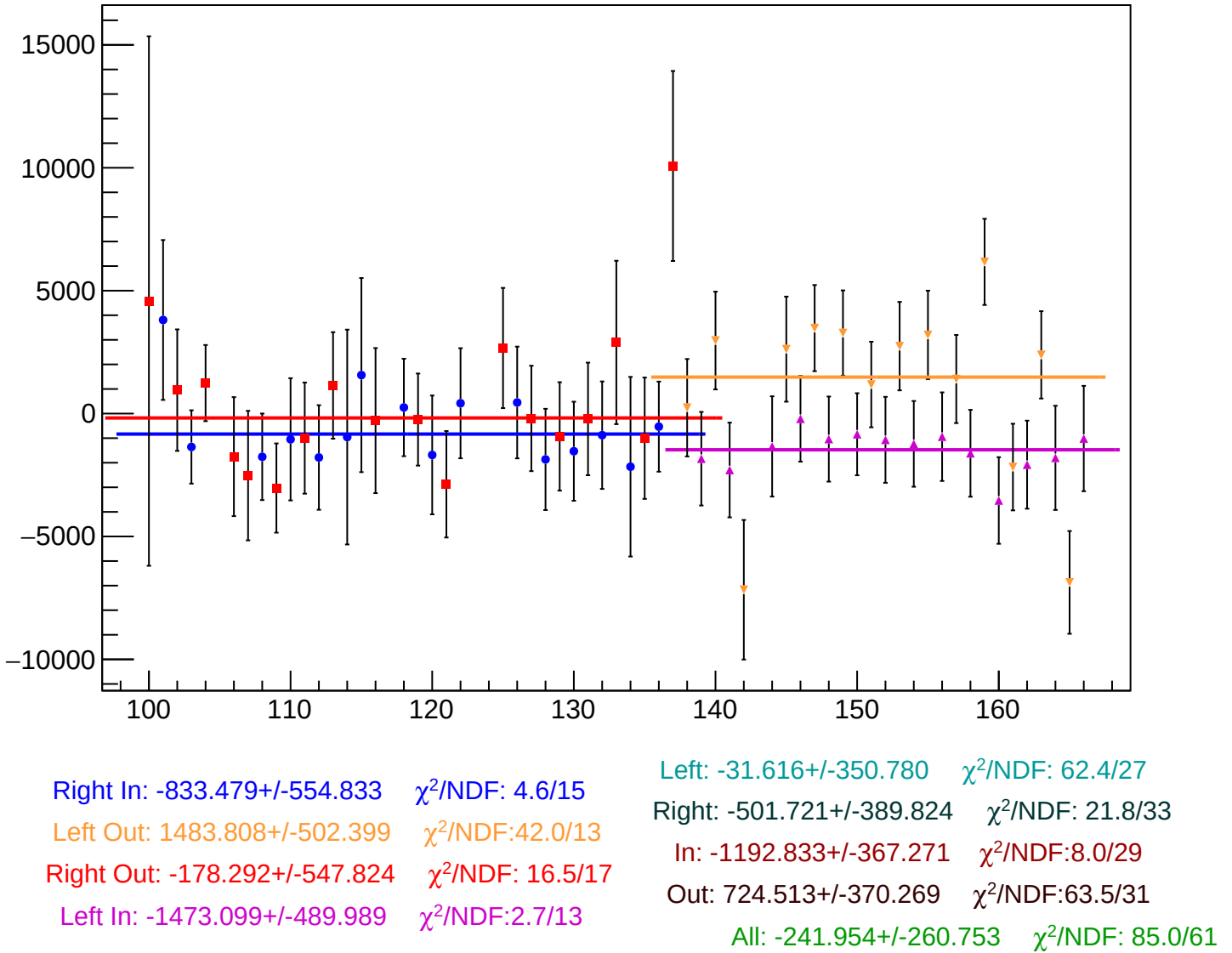
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

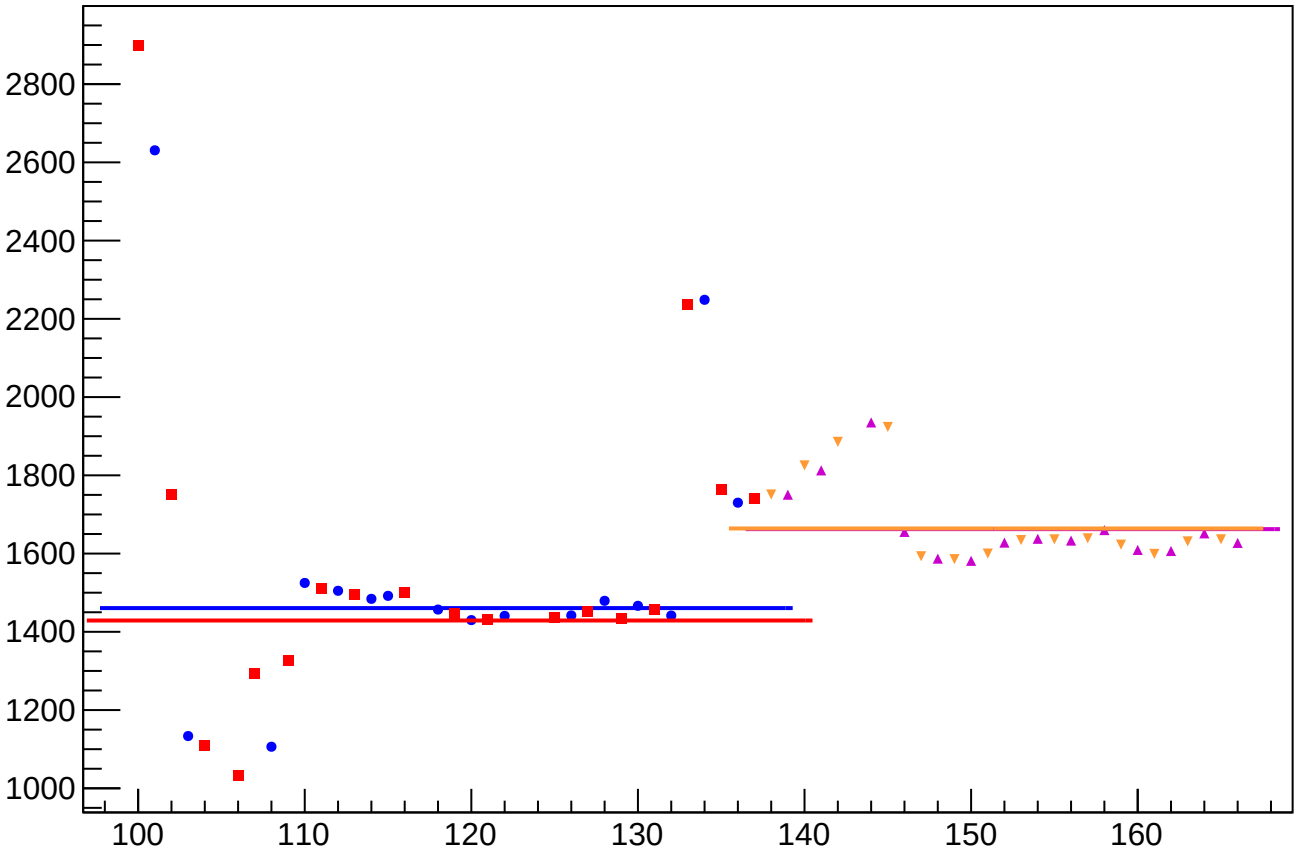
In: -0.000+/-0.000 χ^2/NDF:25.0/29

Out: -0.000+/-0.000 χ^2/NDF:20.1/31

All: -0.000+/-0.000 χ^2/NDF: 45.1/61


asym_us_avg_at2lr_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1150365.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1518146.7/13
Left: 0.000+/-0.000 χ²/NDF: 2673854.6/27
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:3672785.2/29
Out: 0.000+/-0.000 χ²/NDF:3460695.3/31
All: 0.000+/-0.000 χ²/NDF: 7136057.8/61


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.808+/-502.399 χ²/NDF:42.0/13
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.099+/-489.989 χ²/NDF:2.7/13
Left: -31.616+/-350.780 χ²/NDF: 62.4/27
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1192.833+/-367.271 χ²/NDF:8.0/29
Out: 724.513+/-370.269 χ²/NDF:63.5/31
All: -241.954+/-260.753 χ²/NDF: 85.0/61



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

Left: 1663.310+/-0.248 χ^2/NDF: 141830.9/27

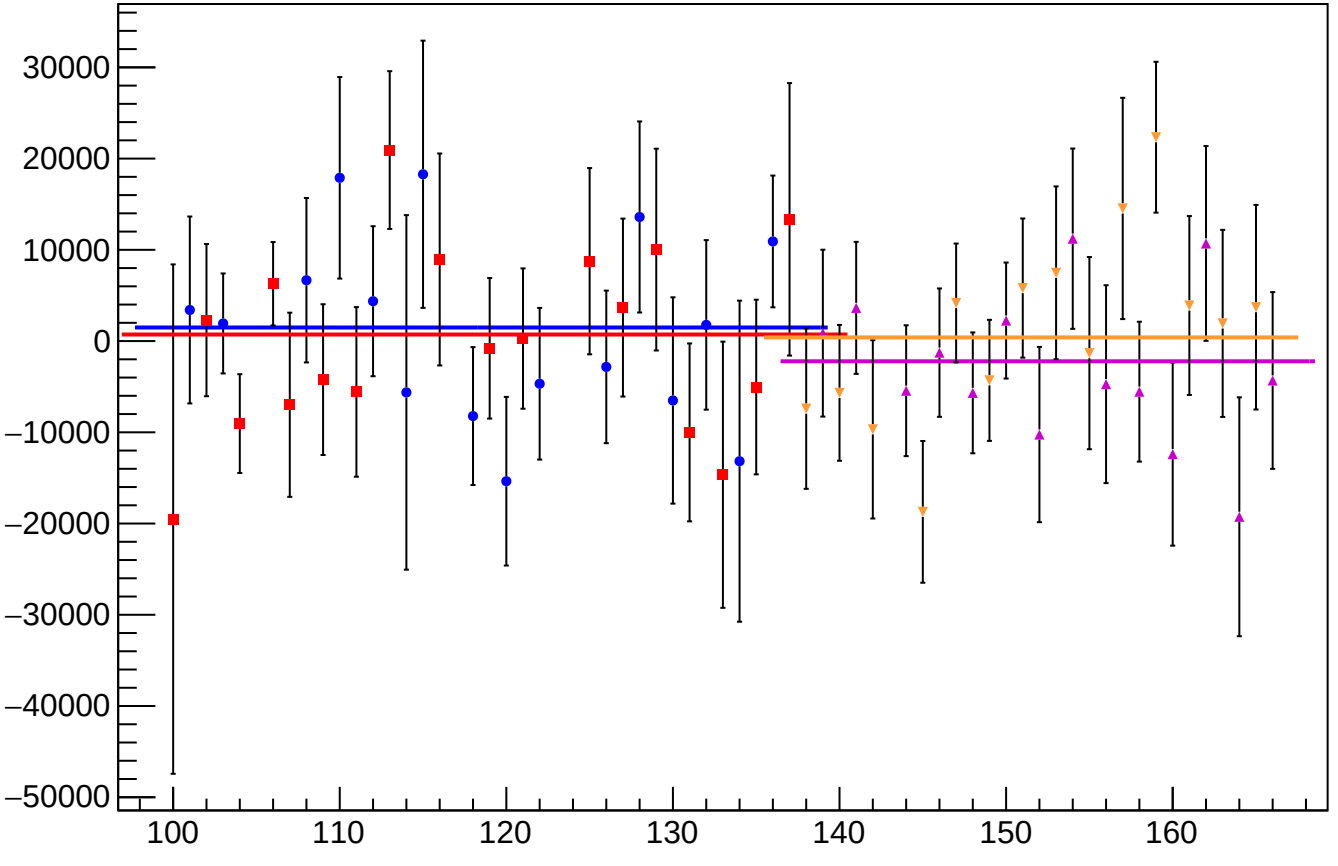
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1574.048+/-0.260 χ^2/NDF:791214.2/29

Out: 1555.848+/-0.261 χ^2/NDF:688227.6/31

All: 1564.991+/-0.184 χ^2/NDF: 1481886.0/61

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 399.389+/-2288.382 χ^2/NDF:19.1/13

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -2216.620+/-2235.685 χ^2/NDF:8.8/13

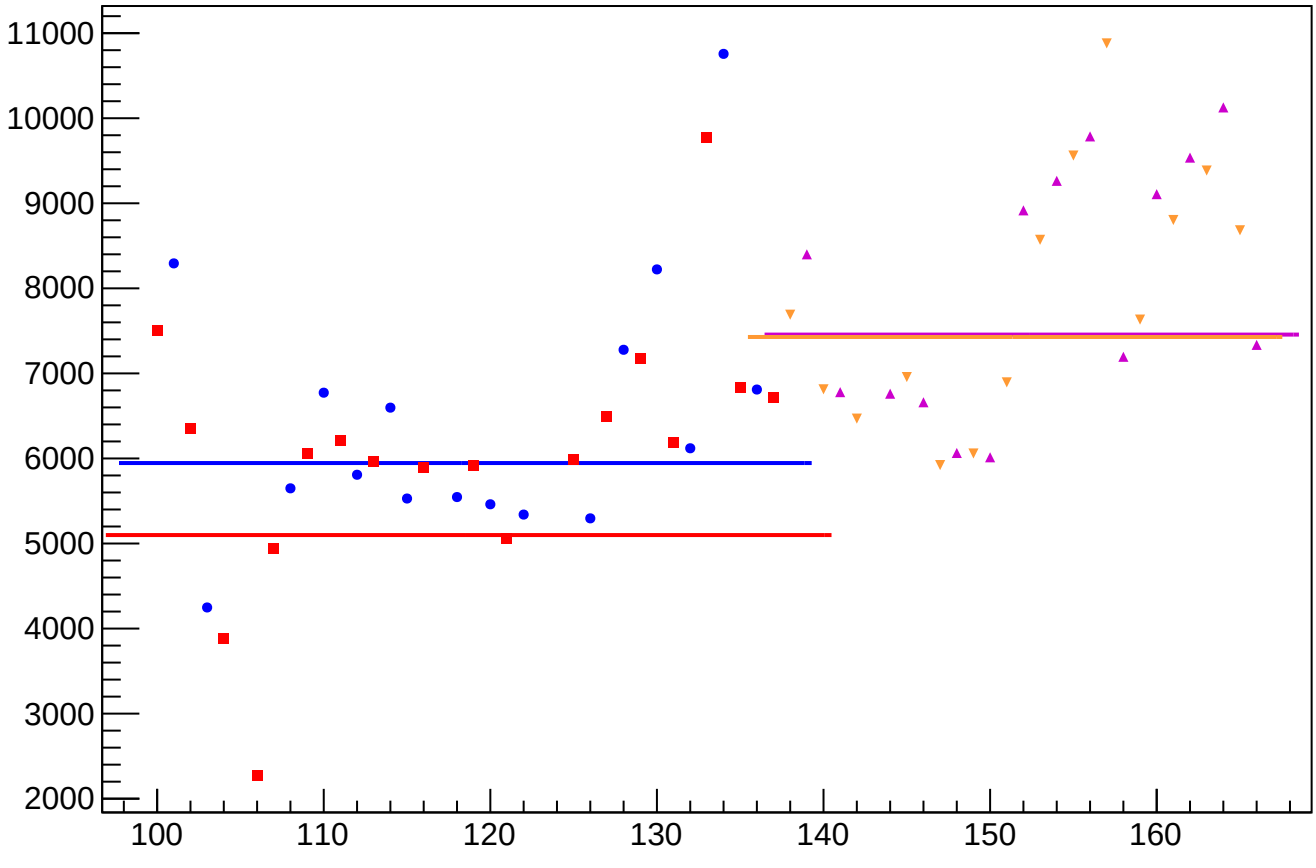
Left: -939.083+/-1599.174 χ^2/NDF: 28.6/27

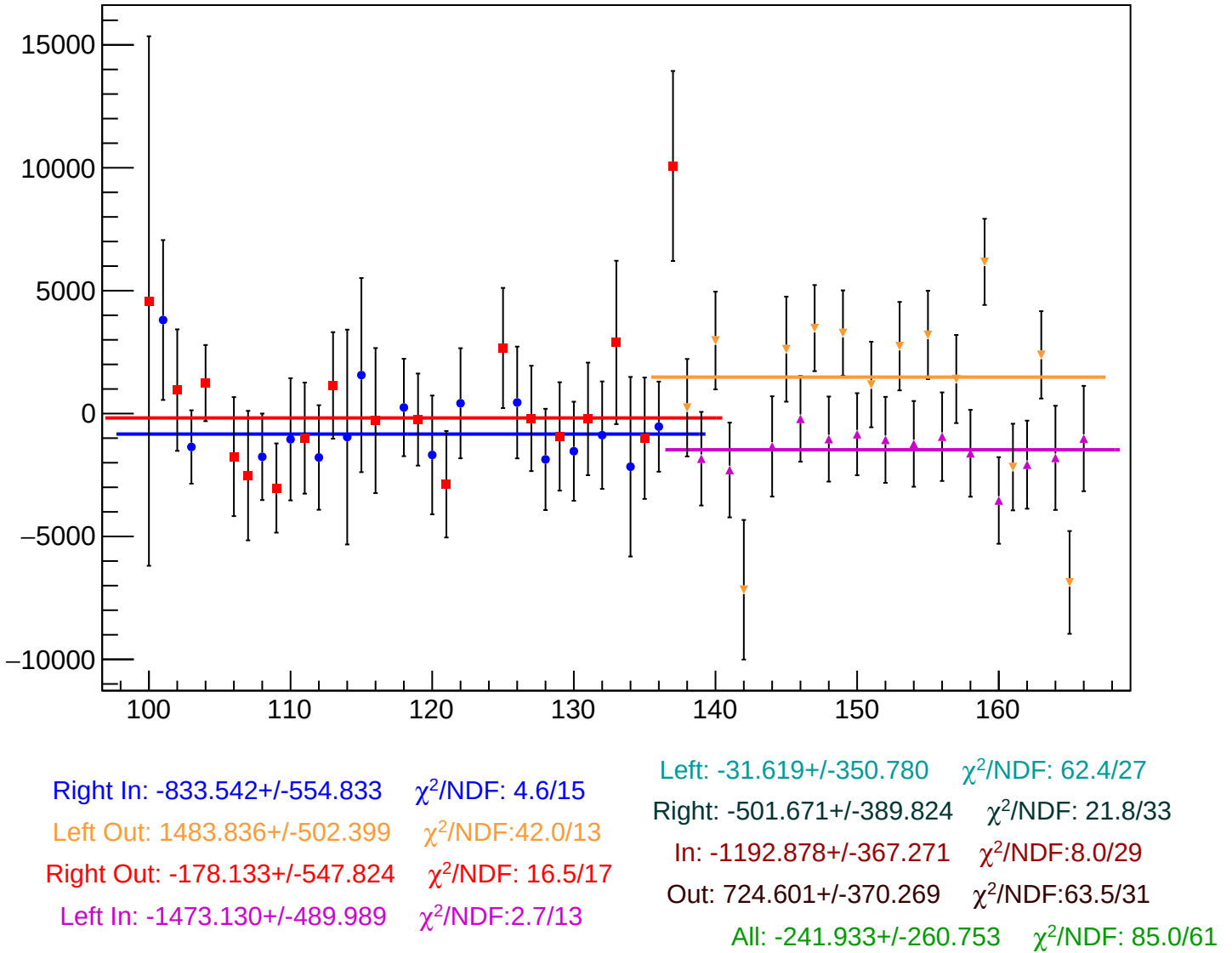
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

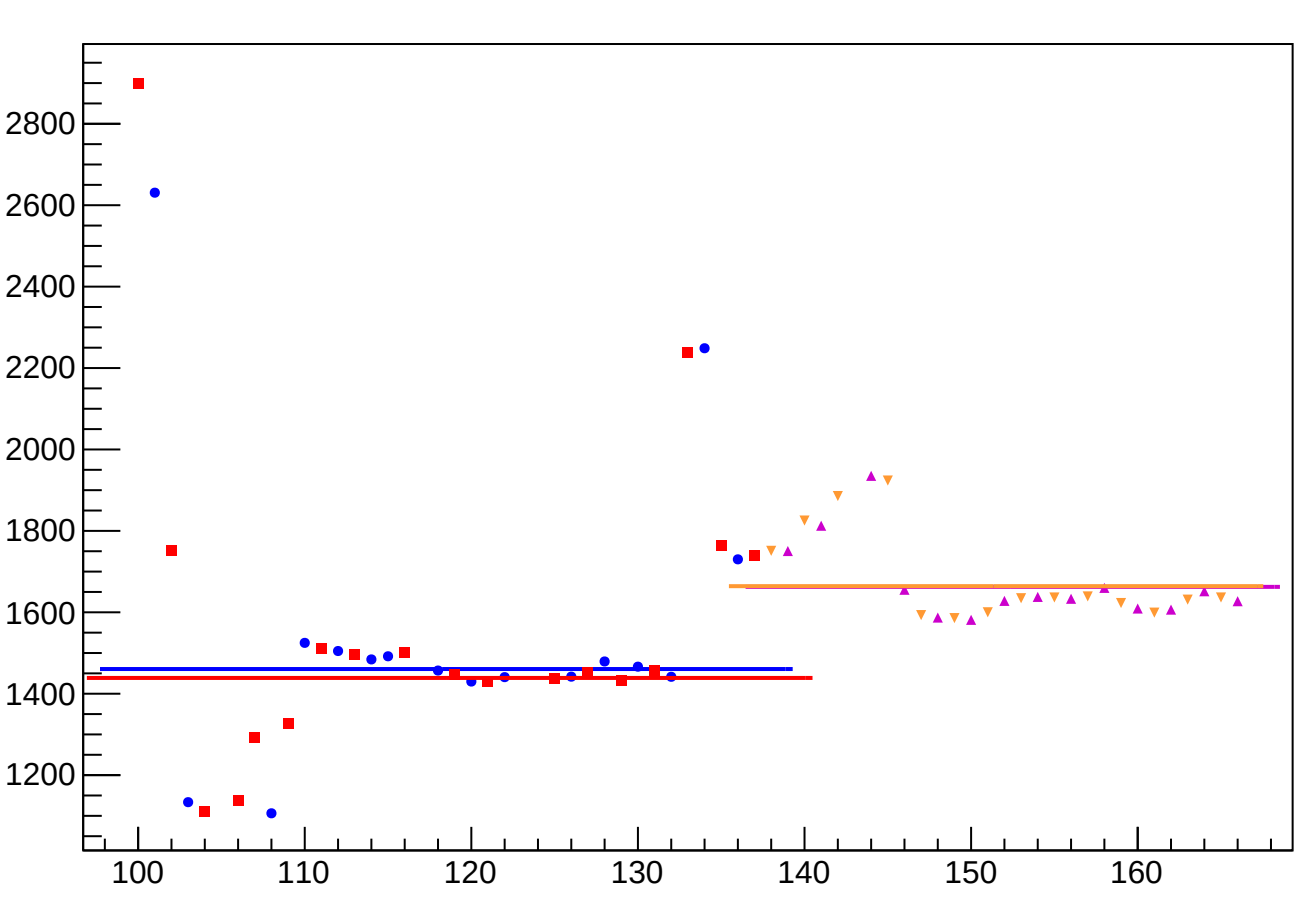
In: -391.190+/-1592.180 χ^2/NDF:24.3/29

Out: 580.343+/-1510.830 χ^2/NDF:36.7/31

All: 120.029+/-1095.949 χ^2/NDF: 61.2/61


asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 5946.080+/-1.604 χ²/NDF: 641131.4/15
Left Out: 7428.210+/-1.618 χ²/NDF:655656.5/13
Right Out: 5099.375+/-1.422 χ²/NDF: 1480367.2/17
Left In: 7456.225+/-1.581 χ²/NDF:696040.4/13
Left: 7442.544+/-1.131 χ²/NDF: 1351850.2/27
Right: 5472.167+/-1.064 χ²/NDF: 2277512.7/33
In: 6711.997+/-1.126 χ²/NDF:1786882.9/29
Out: 6114.484+/-1.068 χ²/NDF:3304490.8/31
All: 6397.587+/-0.775 χ²/NDF: 5239587.6/61


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.836+/-502.399 χ²/NDF:42.0/13
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.130+/-489.989 χ²/NDF:2.7/13
Left: -31.619+/-350.780 χ²/NDF: 62.4/27
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1192.878+/-367.271 χ²/NDF:8.0/29
Out: 724.601+/-370.269 χ²/NDF:63.5/31
All: -241.933+/-260.753 χ²/NDF: 85.0/61



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

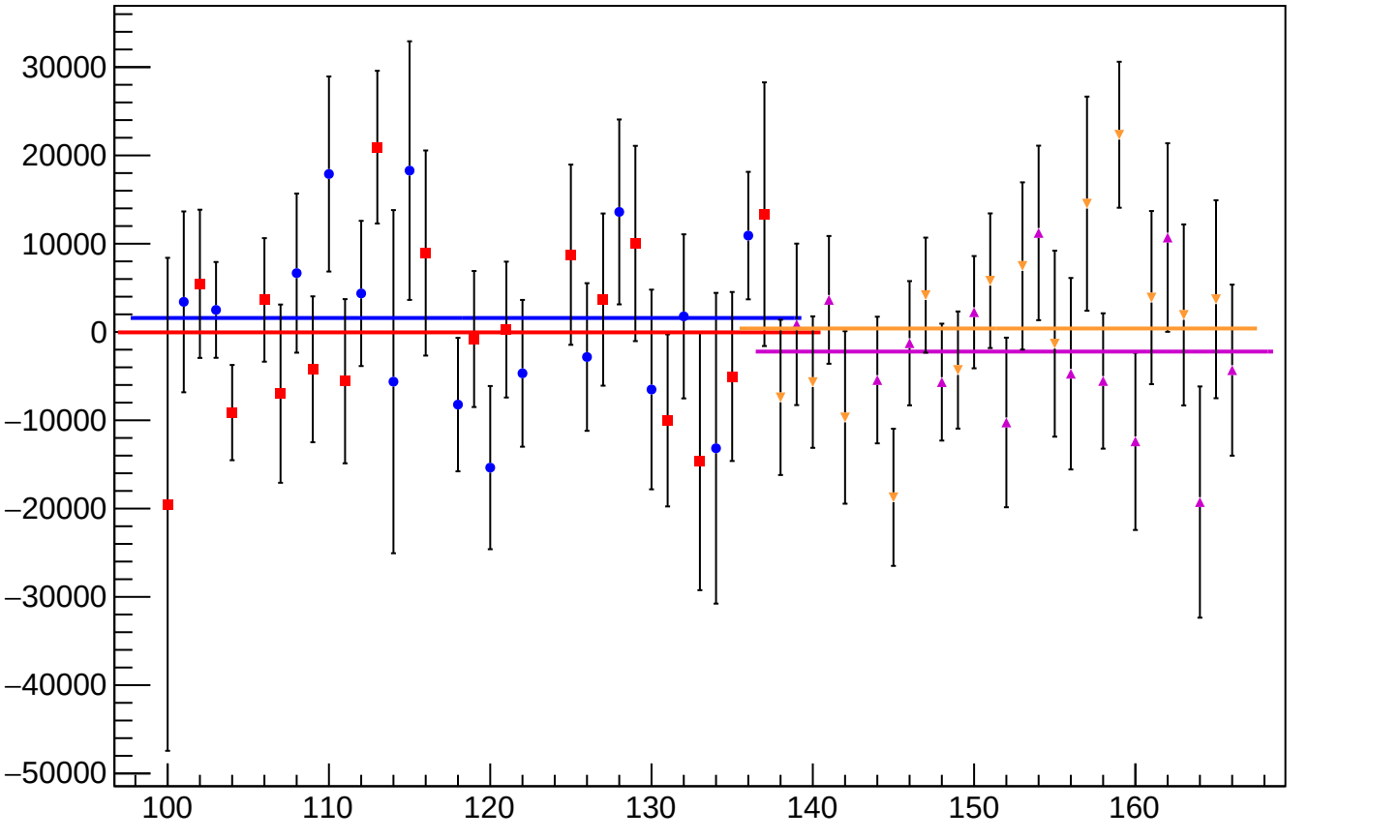
Left: 1663.310+/-0.248 χ^2/NDF: 141830.9/27

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1574.048+/-0.260 χ^2/NDF:791214.7/29

Out: 1560.945+/-0.262 χ^2/NDF:632791.2/31

All: 1567.543+/-0.184 χ^2/NDF: 1425269.7/61



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 399.362+/-2288.380 χ^2/NDF:19.1/13

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2216.676+/-2235.684 χ^2/NDF:8.8/13

Left: -939.125+/-1599.173 χ^2/NDF: 28.6/27

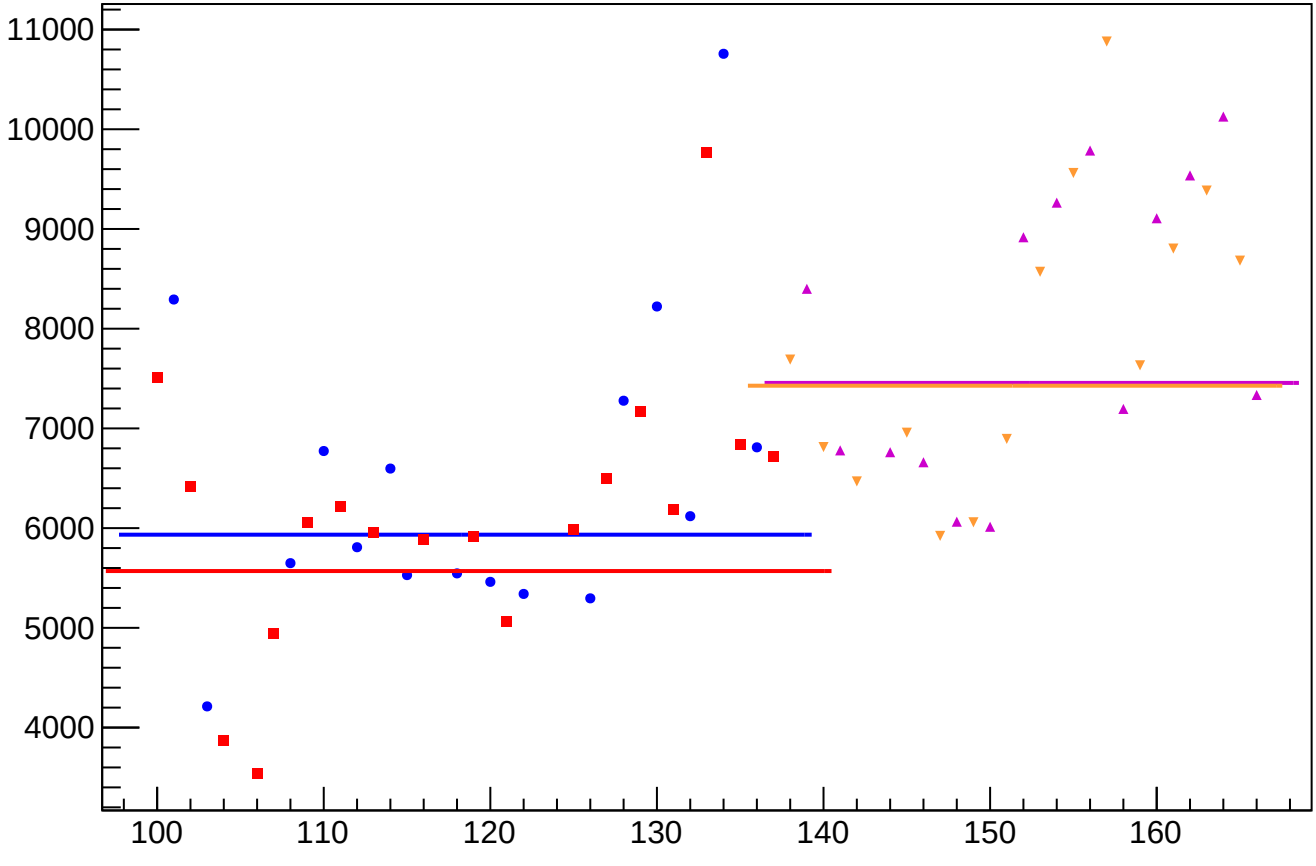
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -338.175+/-1590.874 χ^2/NDF:24.4/29

Out: 163.919+/-1560.315 χ^2/NDF:35.6/31

All: -82.259+/-1113.957 χ^2/NDF: 60.1/61

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7428.204+/-1.618 χ^2/NDF:655654.6/13

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7456.219+/-1.581 χ^2/NDF:696043.0/13

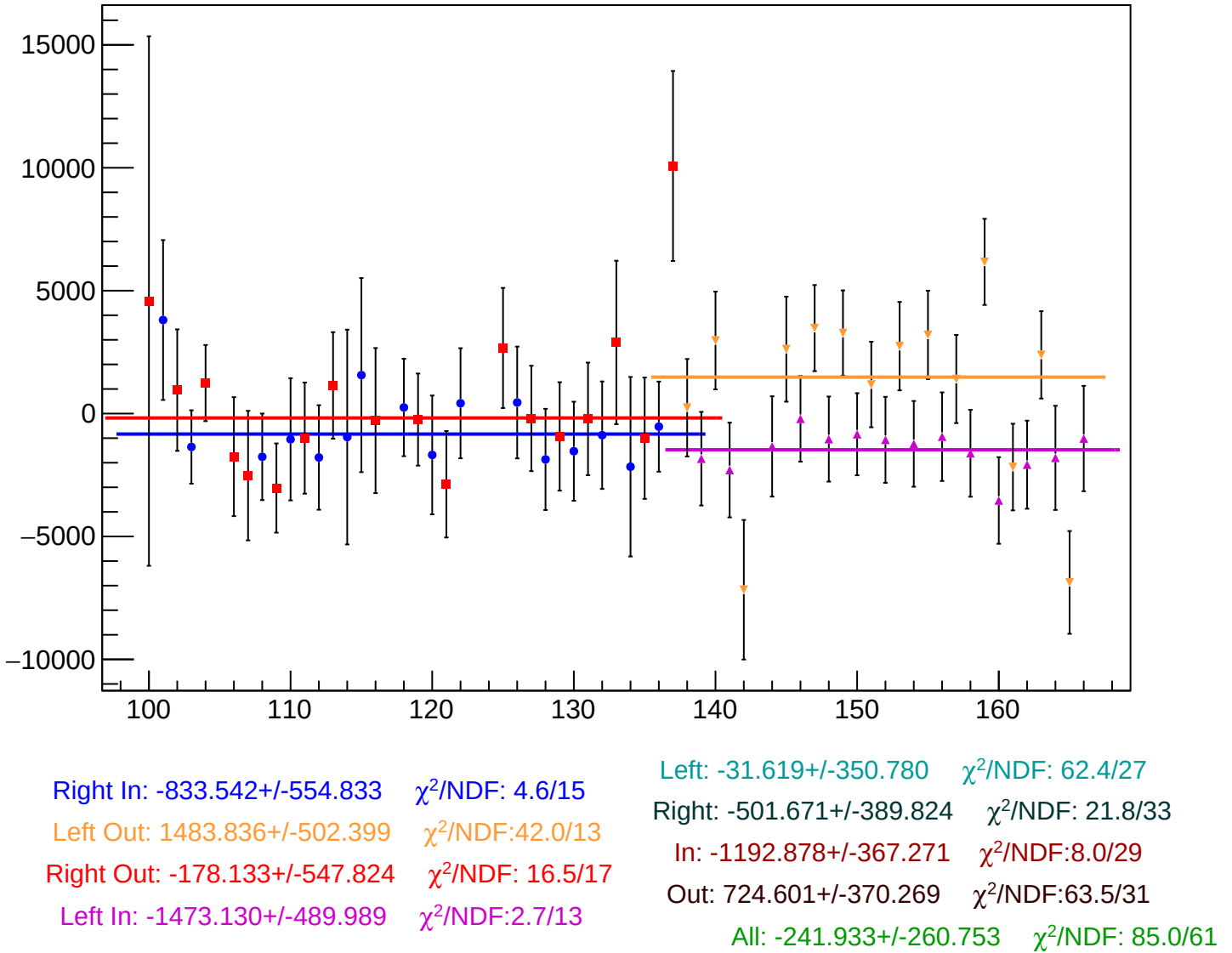
Left: 7442.538+/-1.131 χ^2/NDF: 1351851.0/27

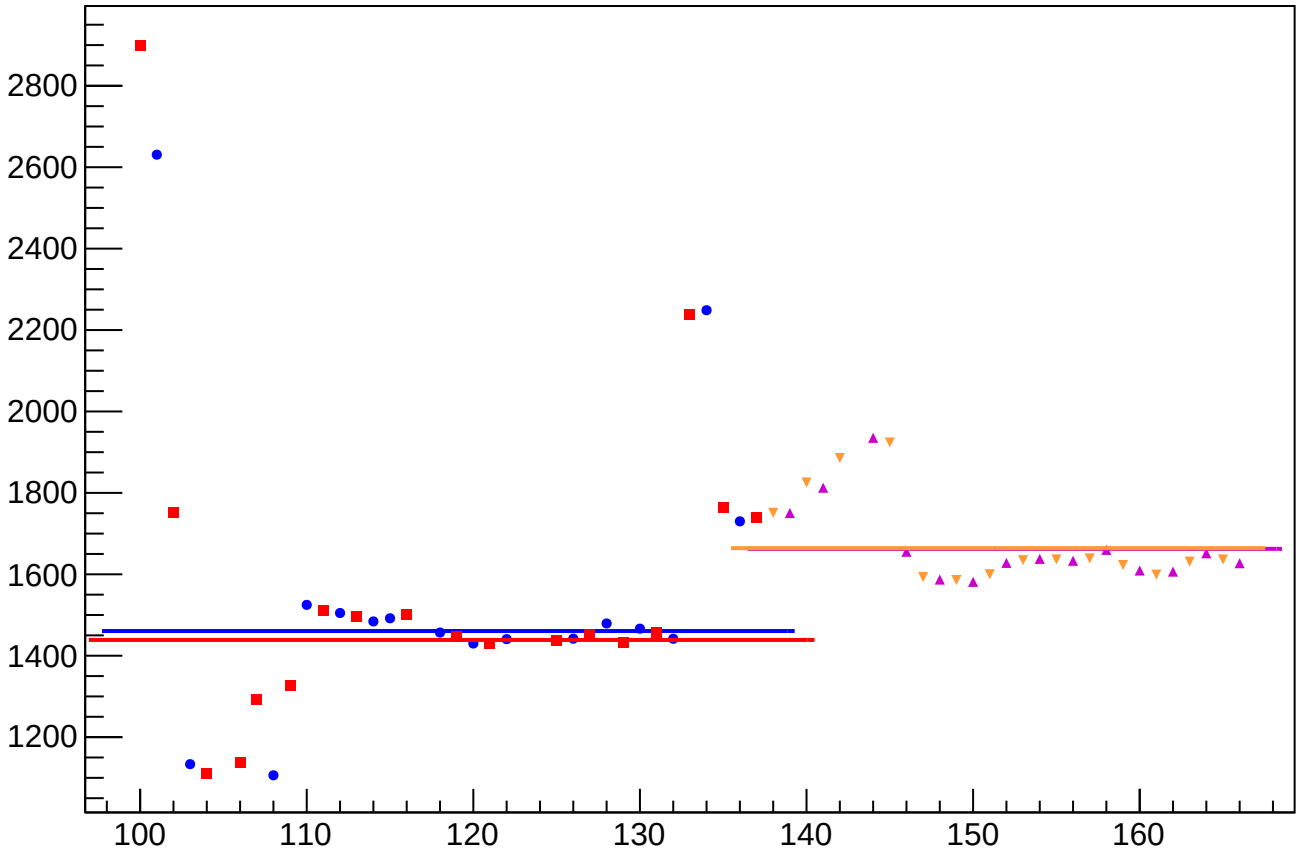
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6704.879+/-1.125 χ^2/NDF:1806702.1/29

Out: 6433.686+/-1.103 χ^2/NDF:2085650.2/31

All: 6566.653+/-0.788 χ^2/NDF: 3921975.1/61


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.836+/-502.399 χ²/NDF:42.0/13
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1473.130+/-489.989 χ²/NDF:2.7/13
Left: -31.619+/-350.780 χ²/NDF: 62.4/27
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1192.878+/-367.271 χ²/NDF:8.0/29
Out: 724.601+/-370.269 χ²/NDF:63.5/31
All: -241.933+/-260.753 χ²/NDF: 85.0/61



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1662.487+/-0.346 χ^2/NDF:66784.8/13

Left: 1663.310+/-0.248 χ^2/NDF: 141830.9/27

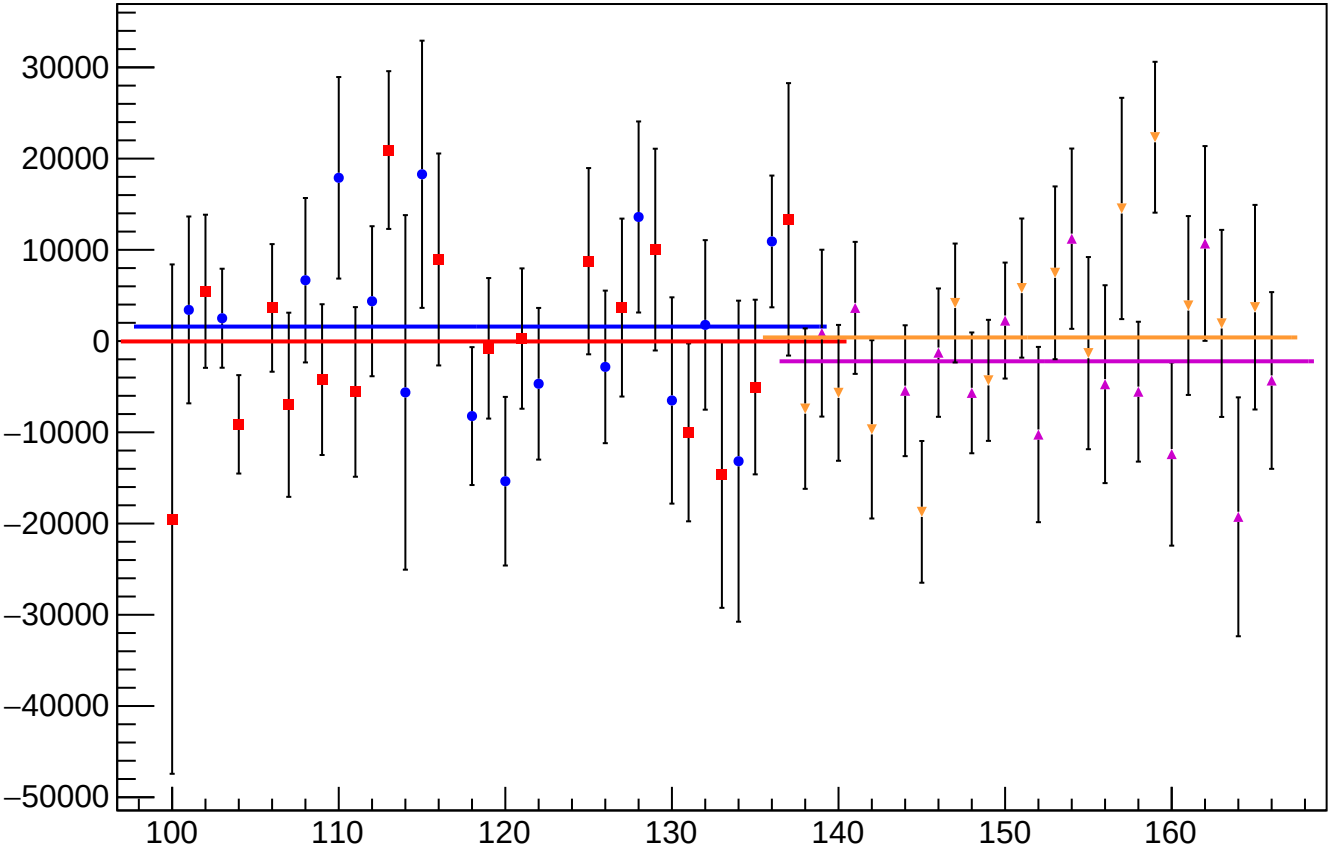
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1574.048+/-0.260 χ^2/NDF:791214.7/29

Out: 1560.945+/-0.262 χ^2/NDF:632791.2/31

All: 1567.543+/-0.184 χ^2/NDF: 1425269.7/61

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 399.362+/-2288.380 χ^2/NDF:19.1/13

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2216.676+/-2235.684 χ^2/NDF:8.8/13

Left: -939.125+/-1599.173 χ^2/NDF: 28.6/27

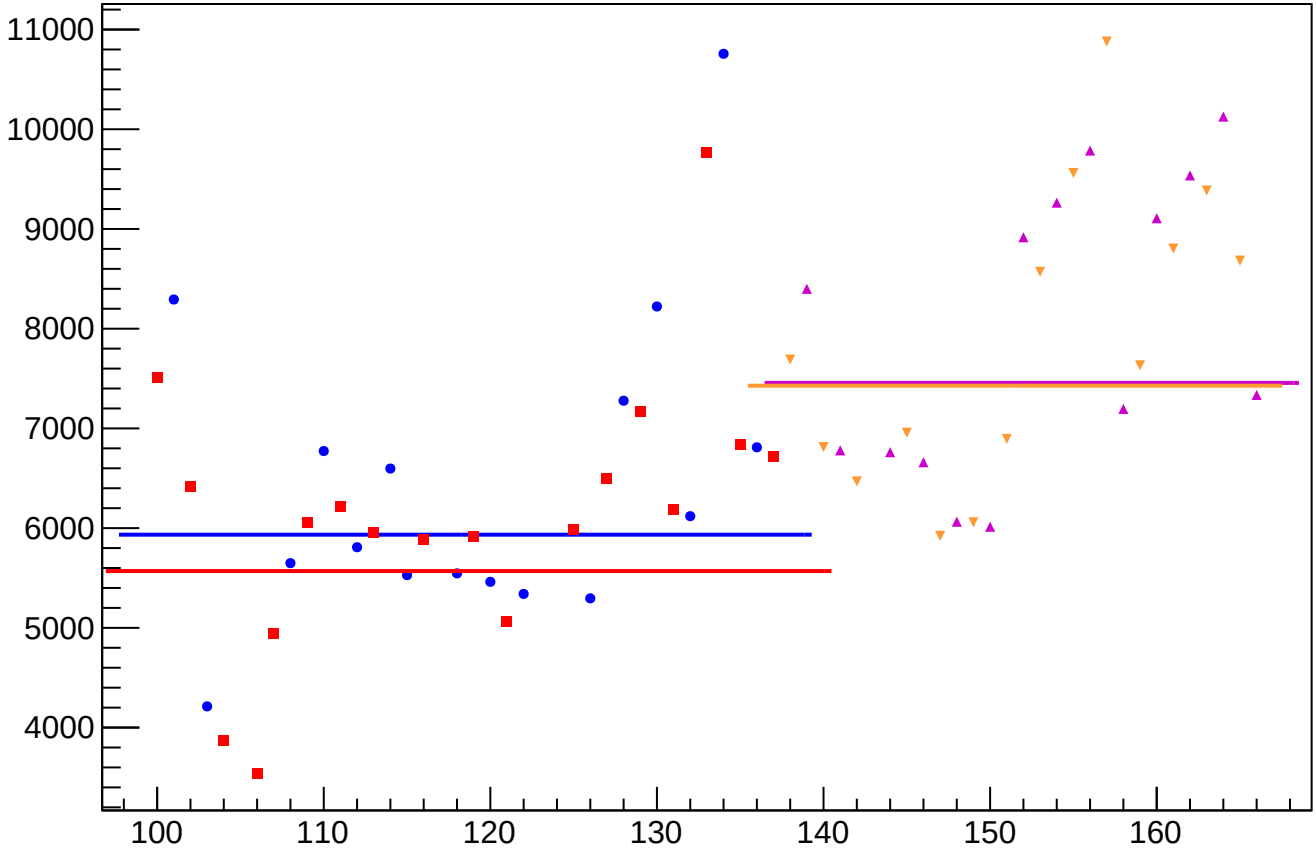
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -338.175+/-1590.874 χ^2/NDF:24.4/29

Out: 163.919+/-1560.315 χ^2/NDF:35.6/31

All: -82.259+/-1113.957 χ^2/NDF: 60.1/61

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7428.204+/-1.618 χ^2/NDF:655654.6/13

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7456.219+/-1.581 χ^2/NDF:696043.0/13

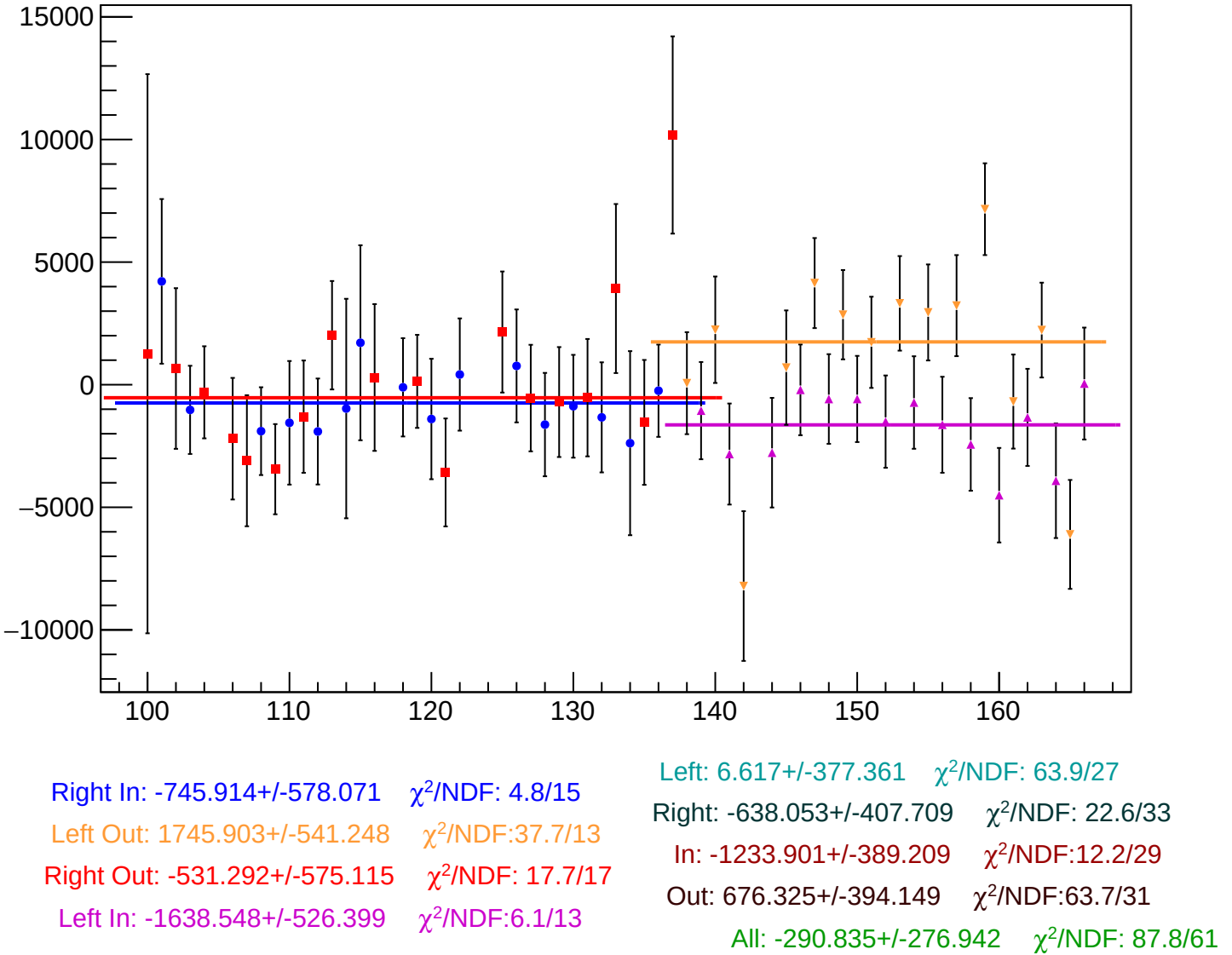
Left: 7442.538+/-1.131 χ^2/NDF: 1351851.0/27

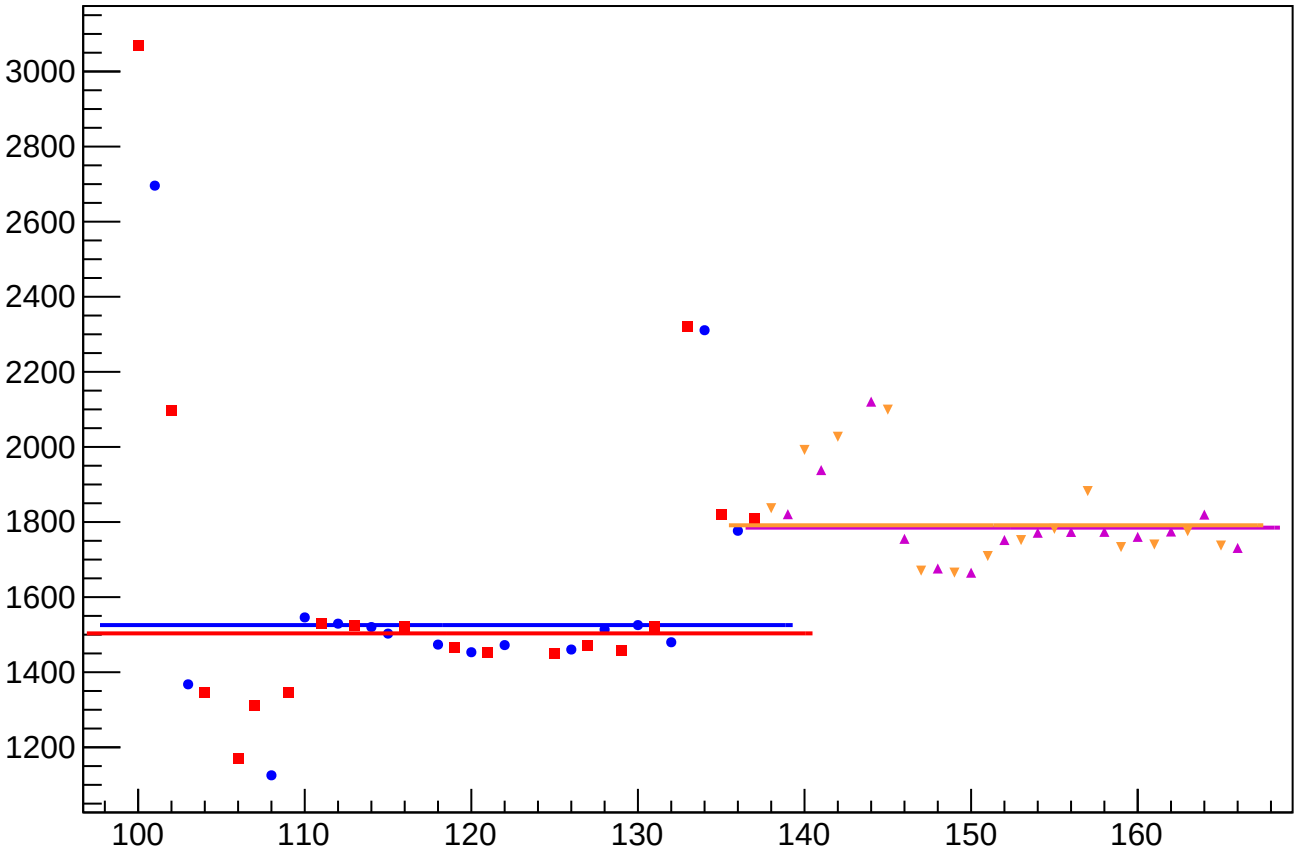
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6704.879+/-1.125 χ^2/NDF:1806702.1/29

Out: 6433.686+/-1.103 χ^2/NDF:2085650.2/31

All: 6566.653+/-0.788 χ^2/NDF: 3921975.1/61


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1745.903+/-541.248 χ²/NDF:37.7/13
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1638.548+/-526.399 χ²/NDF:6.1/13
Left: 6.617+/-377.361 χ²/NDF: 63.9/27
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1233.901+/-389.209 χ²/NDF:12.2/29
Out: 676.325+/-394.149 χ²/NDF:63.7/31
All: -290.835+/-276.942 χ²/NDF: 87.8/61



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1791.355+/-0.383 χ^2/NDF:96363.1/13

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1785.046+/-0.372 χ^2/NDF:76517.2/13

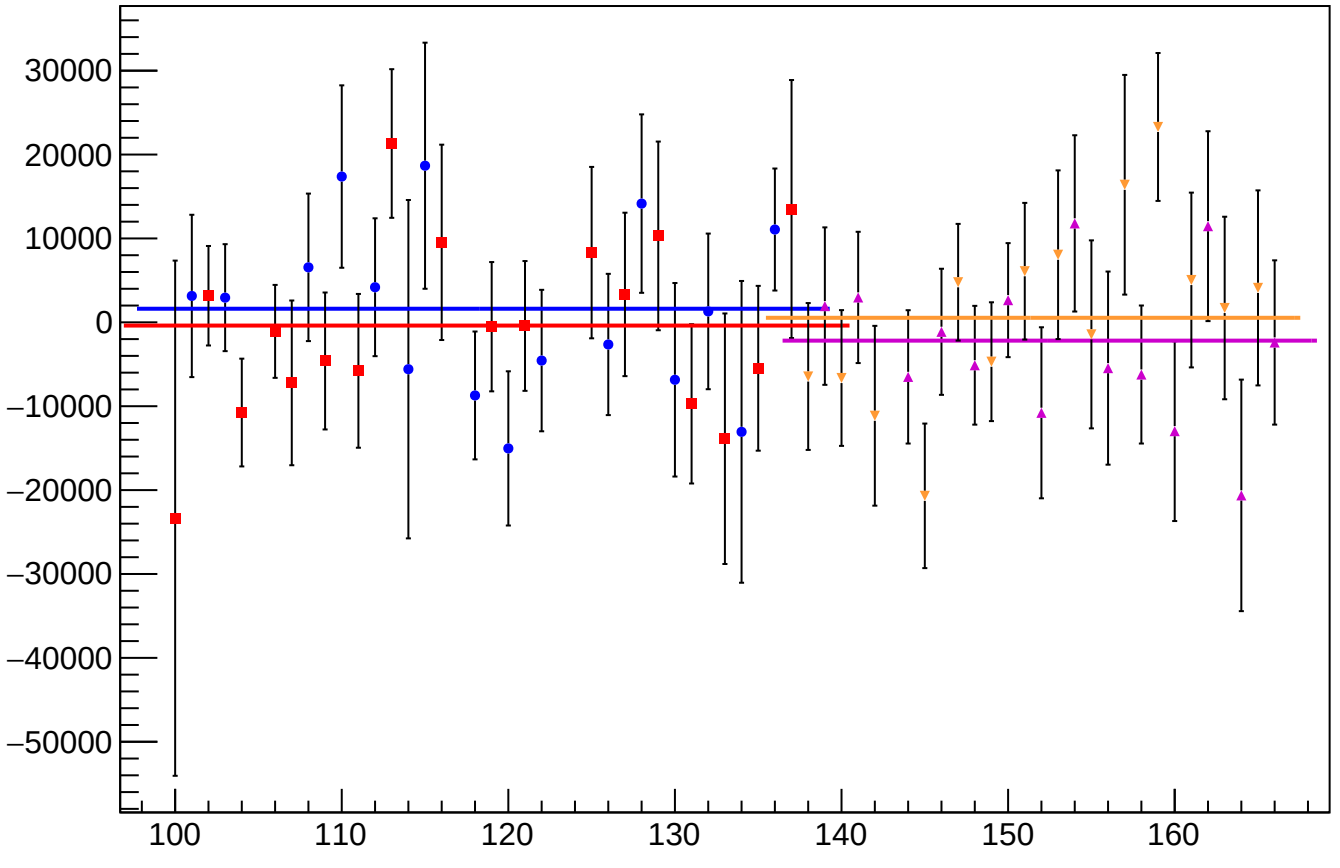
Left: 1788.113+/-0.267 χ^2/NDF: 173019.9/27

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1667.405+/-0.275 χ^2/NDF:785194.7/29

Out: 1656.080+/-0.279 χ^2/NDF:700777.6/31

All: 1661.813+/-0.196 χ^2/NDF: 1486808.5/61



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 539.762+/-2441.363 χ^2/NDF:19.1/13

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -2182.546+/-2383.642 χ^2/NDF:8.7/13

Left: -853.954+/-1705.530 χ^2/NDF: 28.4/27

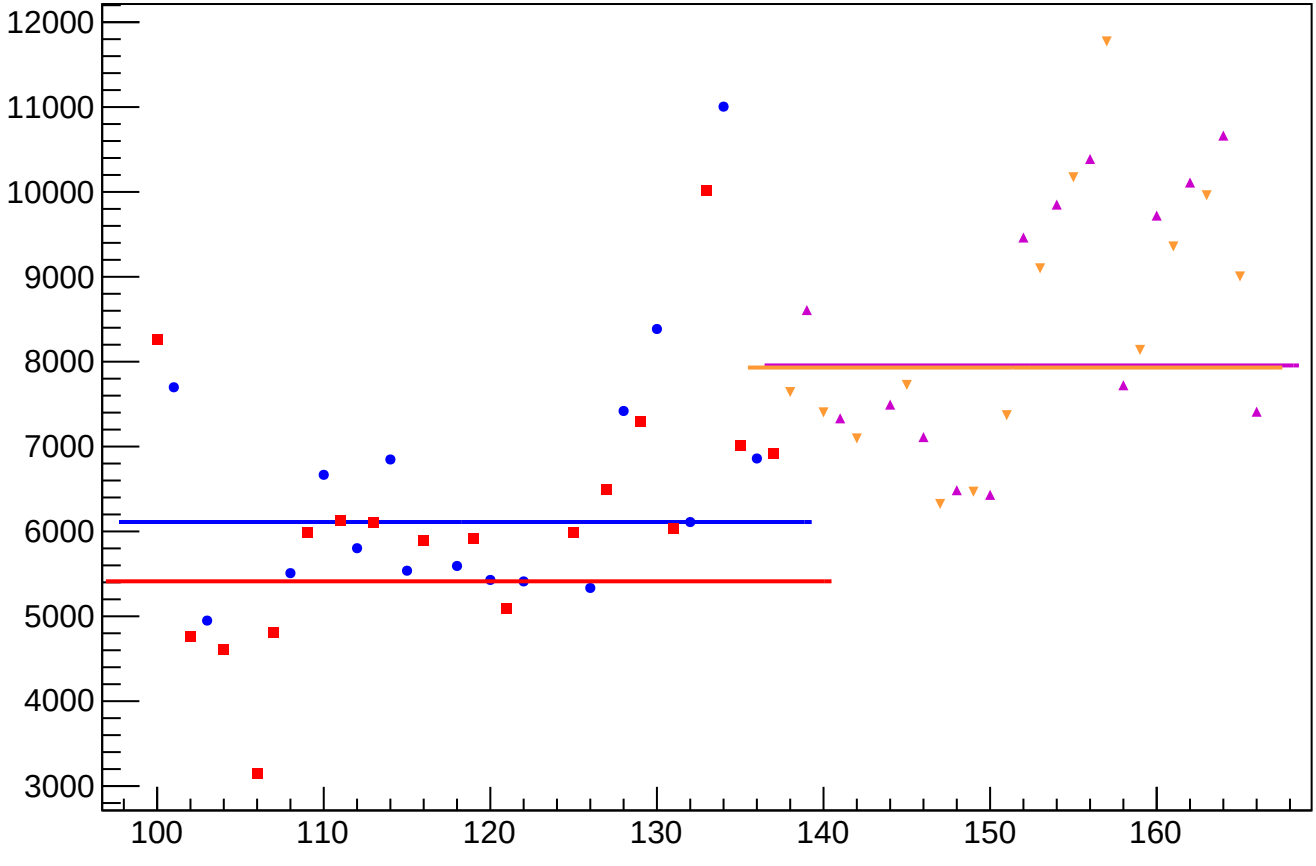
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: -229.829+/-1662.544 χ^2/NDF:24.2/29

Out: -0.769+/-1574.796 χ^2/NDF:35.2/31

All: -109.095+/-1143.312 χ^2/NDF: 59.4/61

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7931.069+/-1.726 χ^2/NDF:630042.0/13

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7955.789+/-1.685 χ^2/NDF:650795.9/13

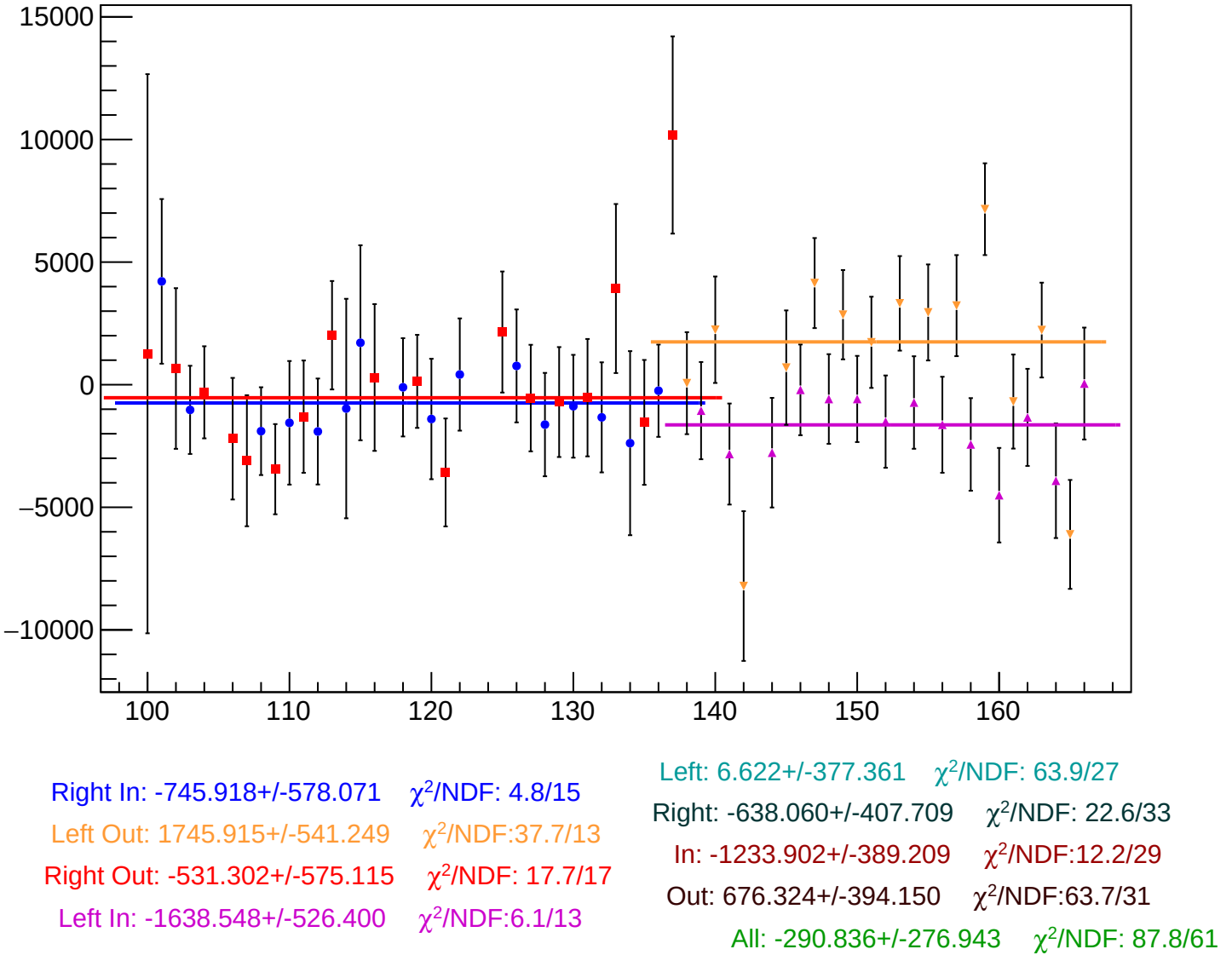
Left: 7943.725+/-1.206 χ^2/NDF: 1280943.0/27

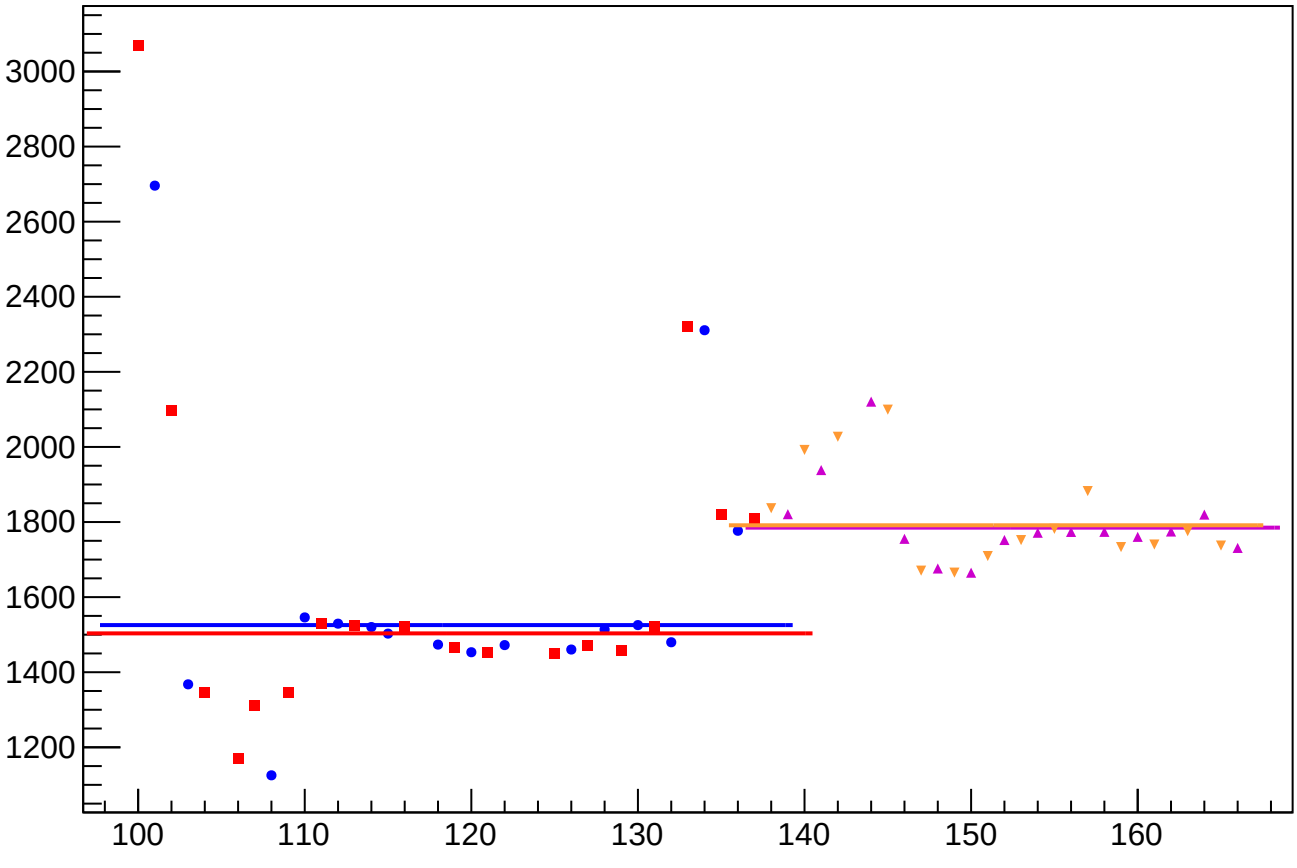
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7008.470+/-1.176 χ^2/NDF:1737609.5/29

Out: 6460.312+/-1.114 χ^2/NDF:2694651.6/31

All: 6719.544+/-0.808 χ^2/NDF: 4546858.7/61


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1745.915+/-541.249 χ²/NDF:37.7/13
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1638.548+/-526.400 χ²/NDF:6.1/13
Left: 6.622+/-377.361 χ²/NDF: 63.9/27
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1233.902+/-389.209 χ²/NDF:12.2/29
Out: 676.324+/-394.150 χ²/NDF:63.7/31
All: -290.836+/-276.943 χ²/NDF: 87.8/61



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1791.358+/-0.383 χ^2/NDF:96363.7/13

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1785.049+/-0.372 χ^2/NDF:76517.6/13

Left: 1788.116+/-0.267 χ^2/NDF: 173020.9/27

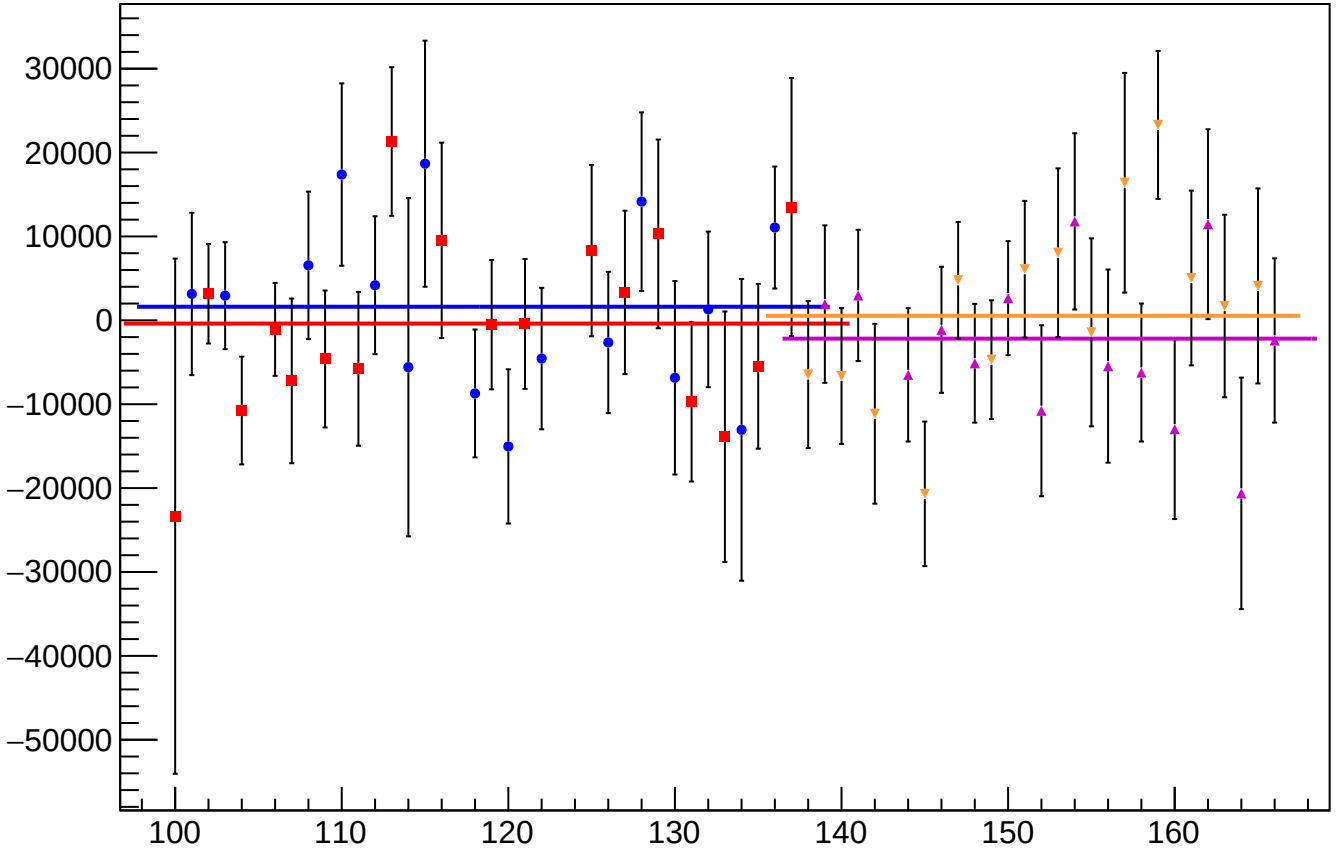
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1667.407+/-0.275 χ^2/NDF:785199.6/29

Out: 1656.081+/-0.279 χ^2/NDF:700783.8/31

All: 1661.815+/-0.196 χ^2/NDF: 1486819.6/61

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 539.765+/-2441.366 χ^2/NDF:19.1/13

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -2182.543+/-2383.645 χ^2/NDF:8.7/13

Left: -853.951+/-1705.533 χ^2/NDF: 28.4/27

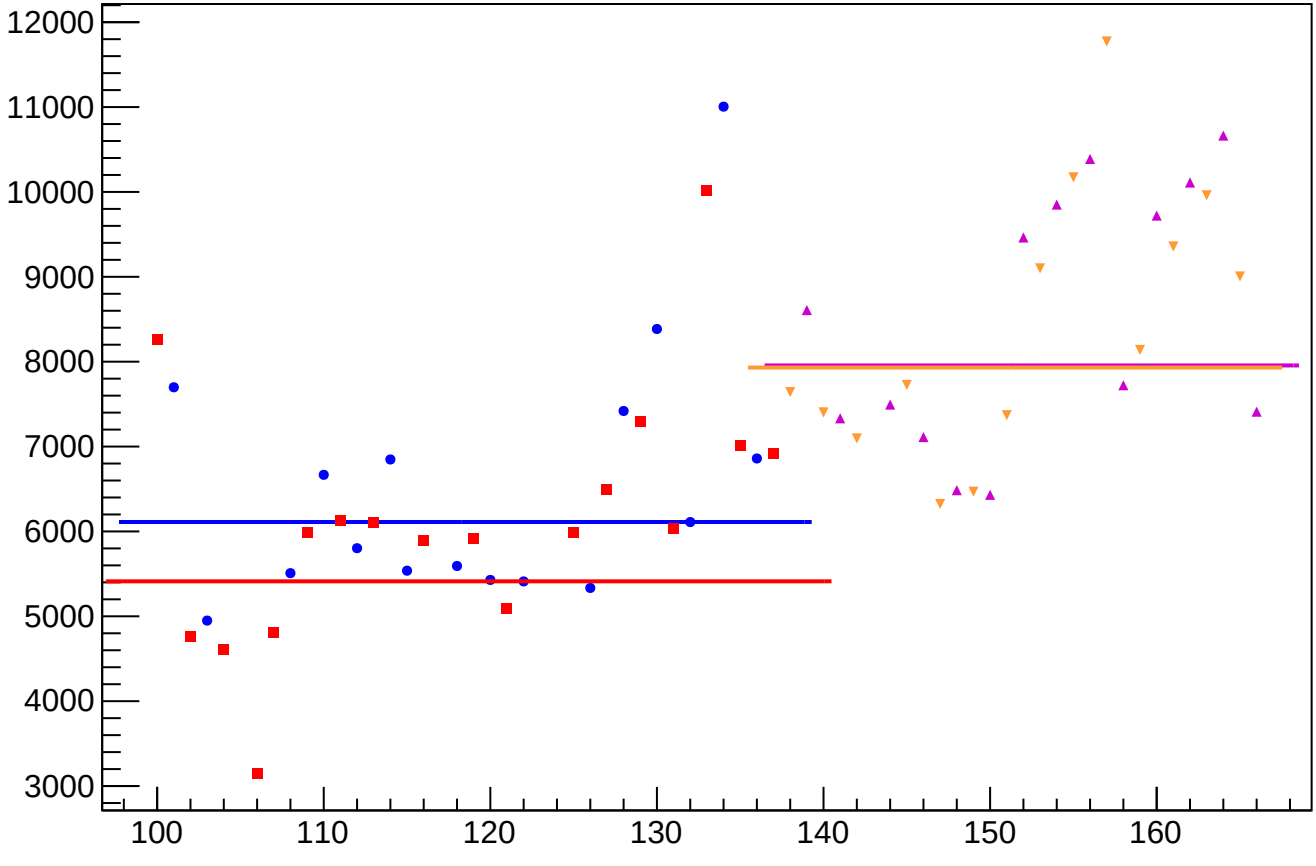
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: -229.832+/-1662.543 χ^2/NDF:24.2/29

Out: -0.773+/-1574.795 χ^2/NDF:35.2/31

All: -109.098+/-1143.311 χ^2/NDF: 59.4/61

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7931.080+/-1.726 χ^2/NDF:630044.1/13

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7955.800+/-1.685 χ^2/NDF:650797.4/13

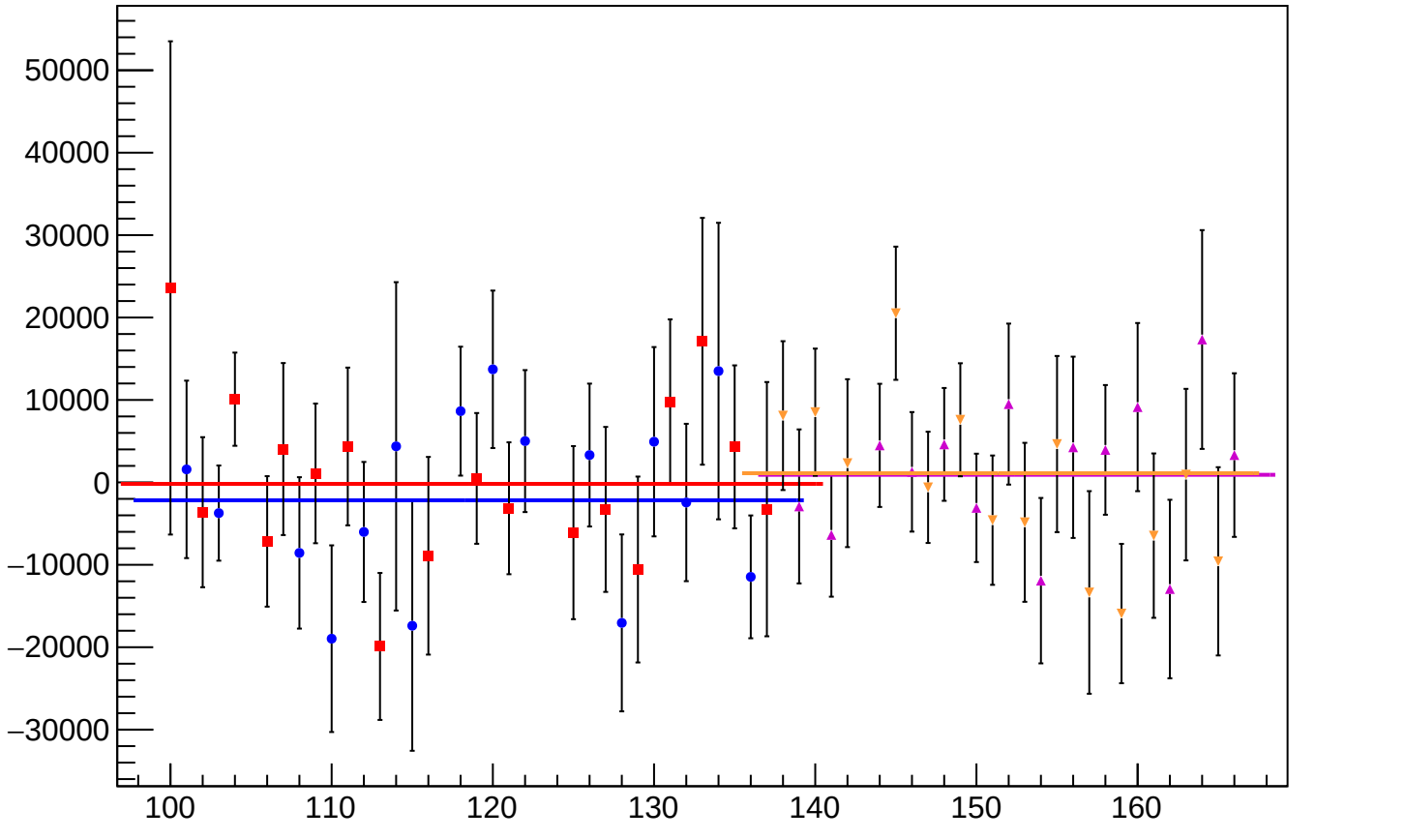
Left: 7943.736+/-1.206 χ^2/NDF: 1280946.4/27

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7008.465+/-1.176 χ^2/NDF:1737629.7/29

Out: 6460.306+/-1.114 χ^2/NDF:2694675.7/31

All: 6719.539+/-0.808 χ^2/NDF: 4546903.8/61



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1111.758+/-2353.401 χ^2/NDF:16.2/13

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 917.588+/-2297.336 χ^2/NDF:8.5/13

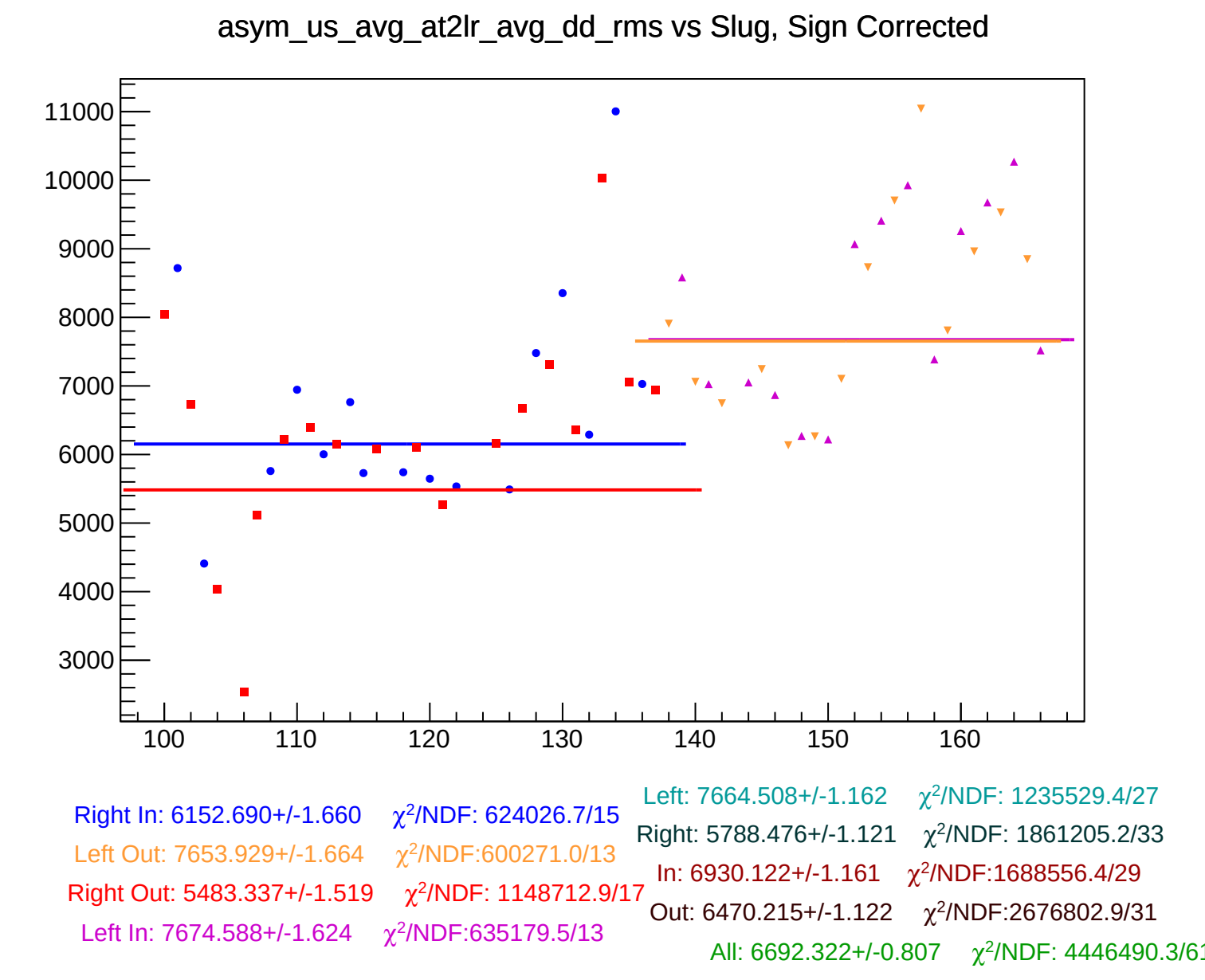
Left: 1012.332+/-1643.925 χ^2/NDF: 24.7/27

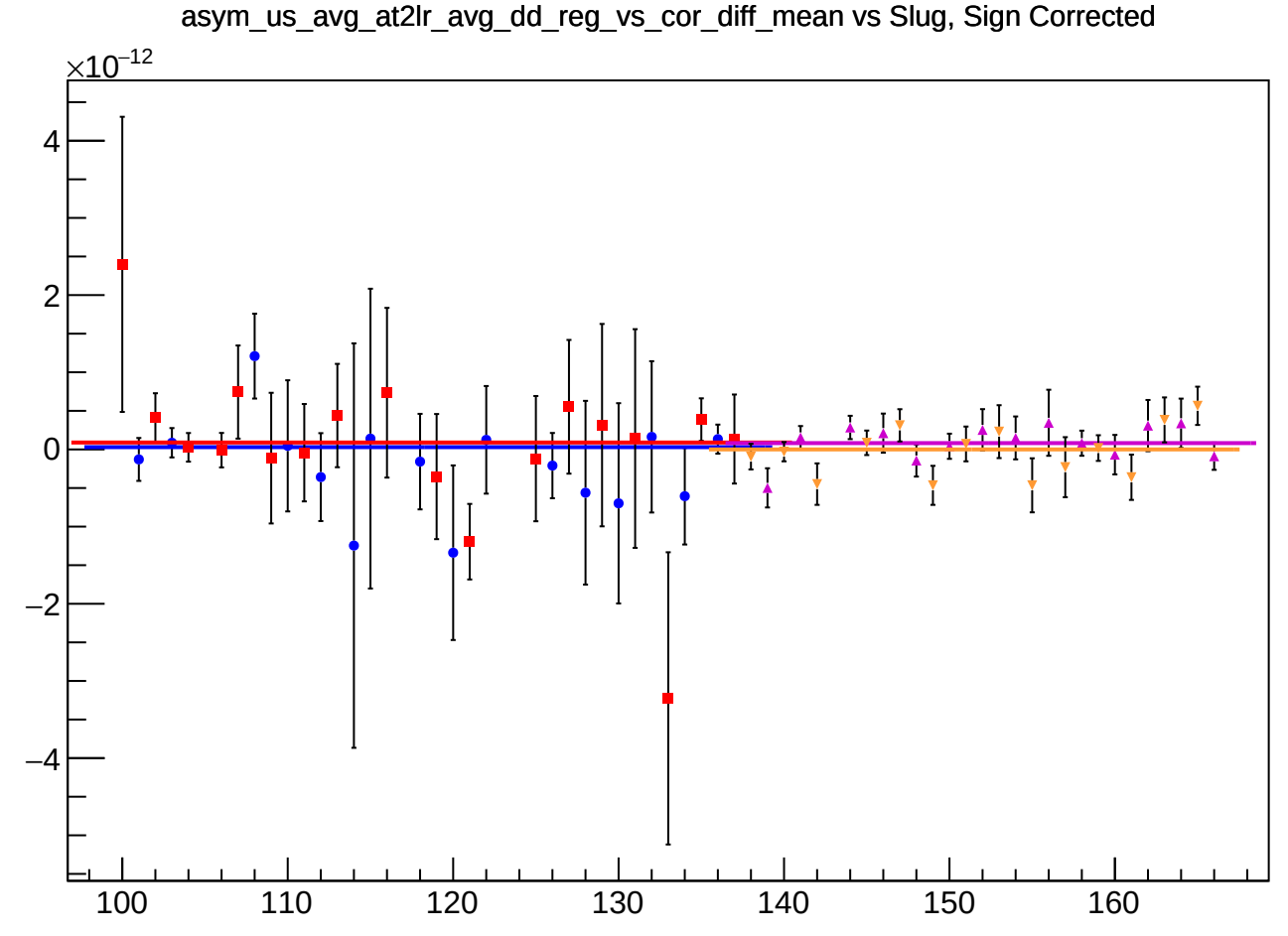
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -594.737+/-1641.966 χ^2/NDF:24.0/29

Out: 428.927+/-1618.288 χ^2/NDF:31.0/31

All: -75.471+/-1152.583 χ^2/NDF: 55.2/61


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7653.929+/-1.664 χ²/NDF:600271.0/13
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7674.588+/-1.624 χ²/NDF:635179.5/13
Left: 7664.508+/-1.162 χ²/NDF: 1235529.4/27
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6930.122+/-1.161 χ²/NDF:1688556.4/29
Out: 6470.215+/-1.122 χ²/NDF:2676802.9/31
All: 6692.322+/-0.807 χ²/NDF: 4446490.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/13

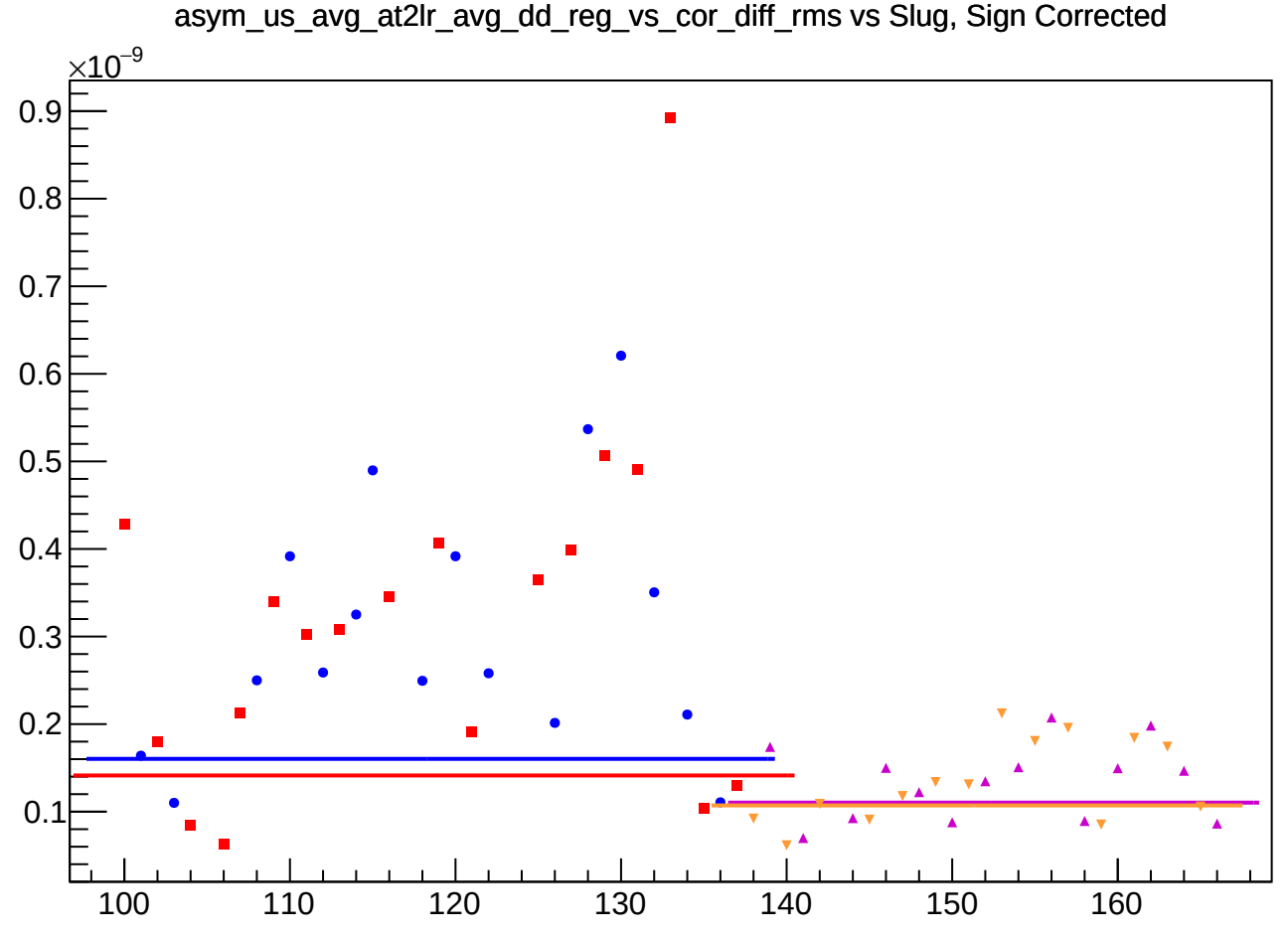
Left: 0.000+/-0.000 χ^2/NDF: 33.2/27

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

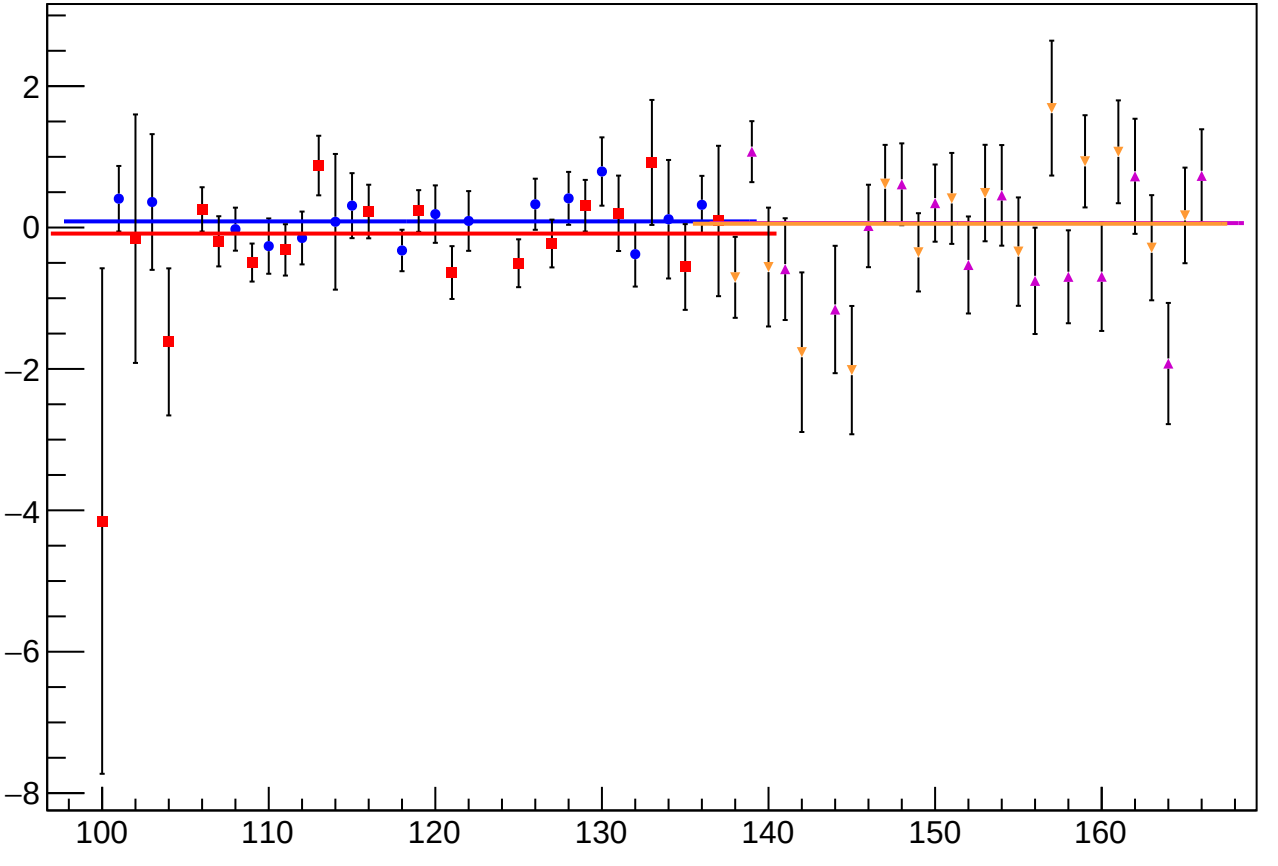
In: 0.000+/-0.000 χ^2/NDF:21.7/29

Out: 0.000+/-0.000 χ^2/NDF:37.3/31

All: 0.000+/-0.000 χ^2/NDF: 59.5/61


asym_us_avg_at2lr_avg_dd_reg_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329606.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1013050.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2165946.2/17
Left In: 0.000+/-0.000 χ²/NDF:842024.5/13
Left: 0.000+/-0.000 χ²/NDF: 1858251.2/27
Right: 0.000+/-0.000 χ²/NDF: 3529311.8/33
In: 0.000+/-0.000 χ²/NDF:2531073.3/29
Out: 0.000+/-0.000 χ²/NDF:3349431.5/31
All: 0.000+/-0.000 χ²/NDF: 5897716.7/61

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

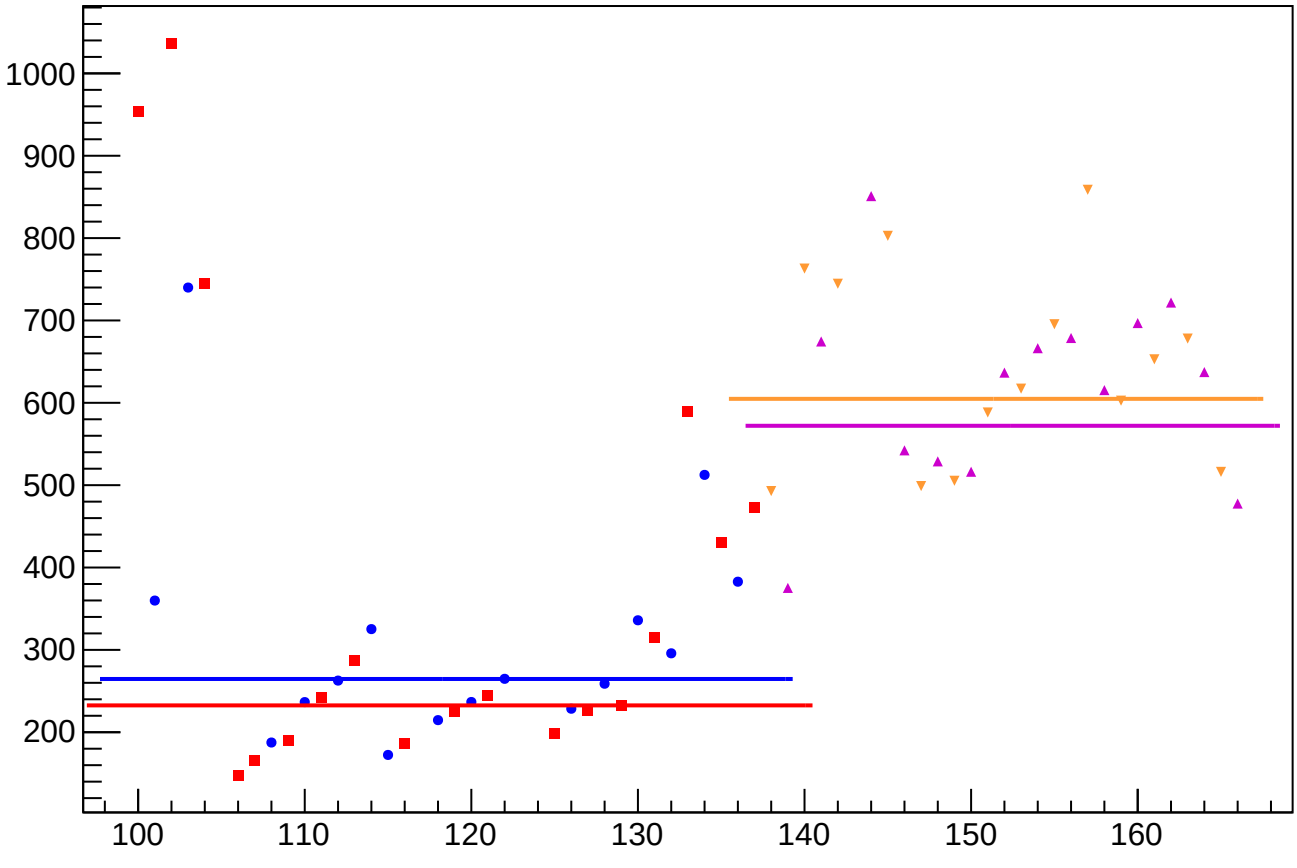
Left: 0.059+/-0.128 χ^2/NDF: 40.5/27

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.009+/-0.062 χ^2/NDF: 72.9/61



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 604.821+/-0.132 χ^2/NDF:646196.4/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 572.108+/-0.123 χ^2/NDF:960751.3/13

Left: 587.342+/-0.090 χ^2/NDF: 1639704.9/27

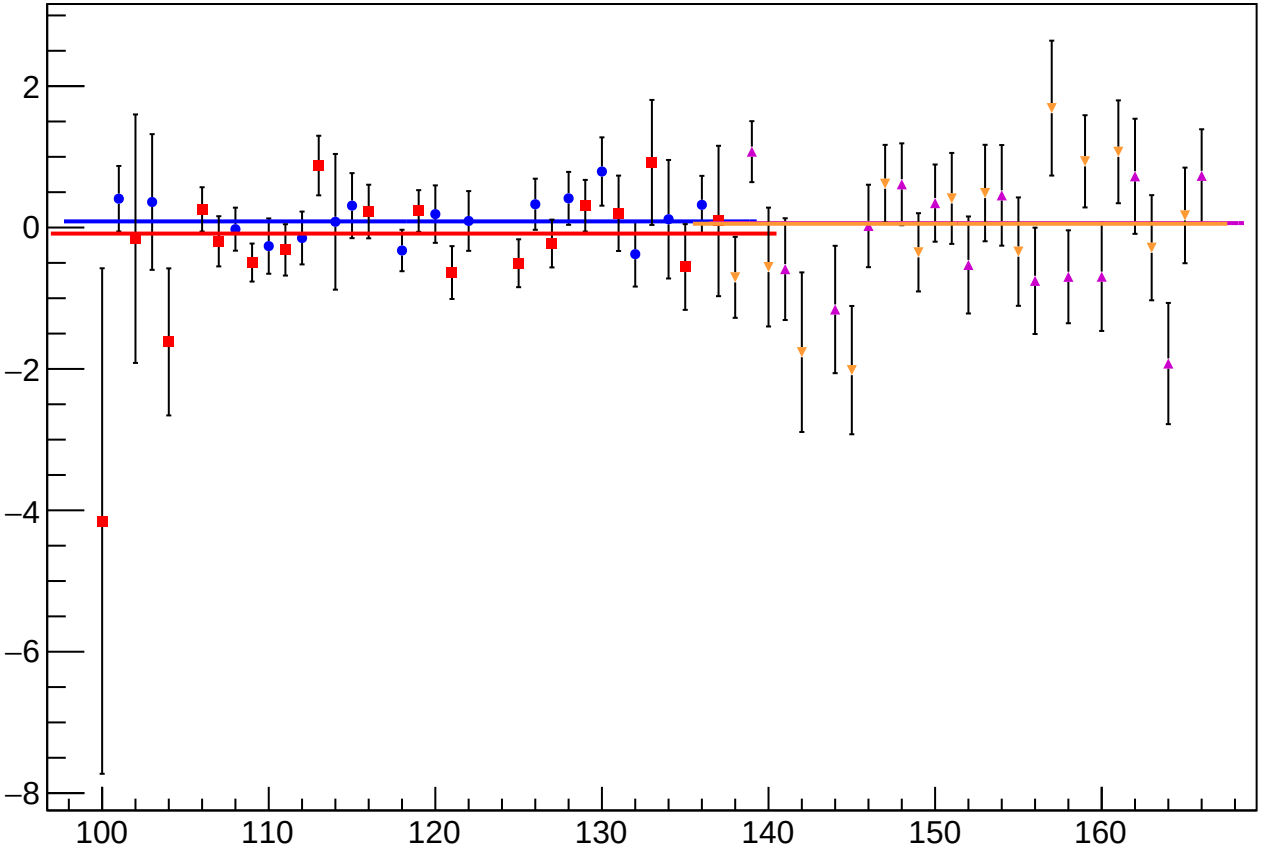
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 346.529+/-0.064 χ^2/NDF:6803539.4/29

Out: 312.053+/-0.061 χ^2/NDF:8922149.0/31

All: 328.571+/-0.044 χ^2/NDF: 15878526.1/61

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.063+/-0.174 χ^2/NDF:20.9/13

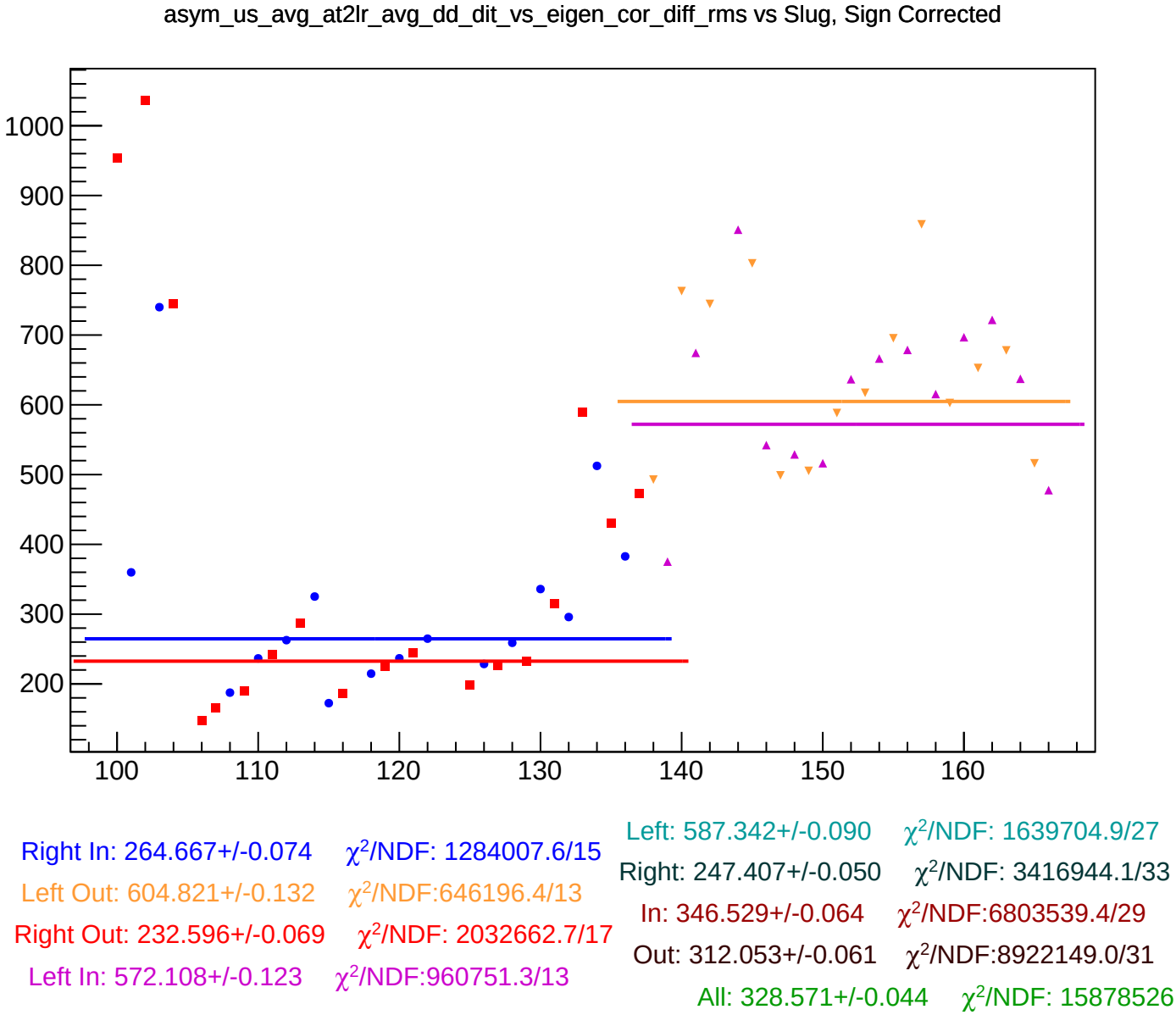
Left: 0.059+/-0.128 χ^2/NDF: 40.5/27

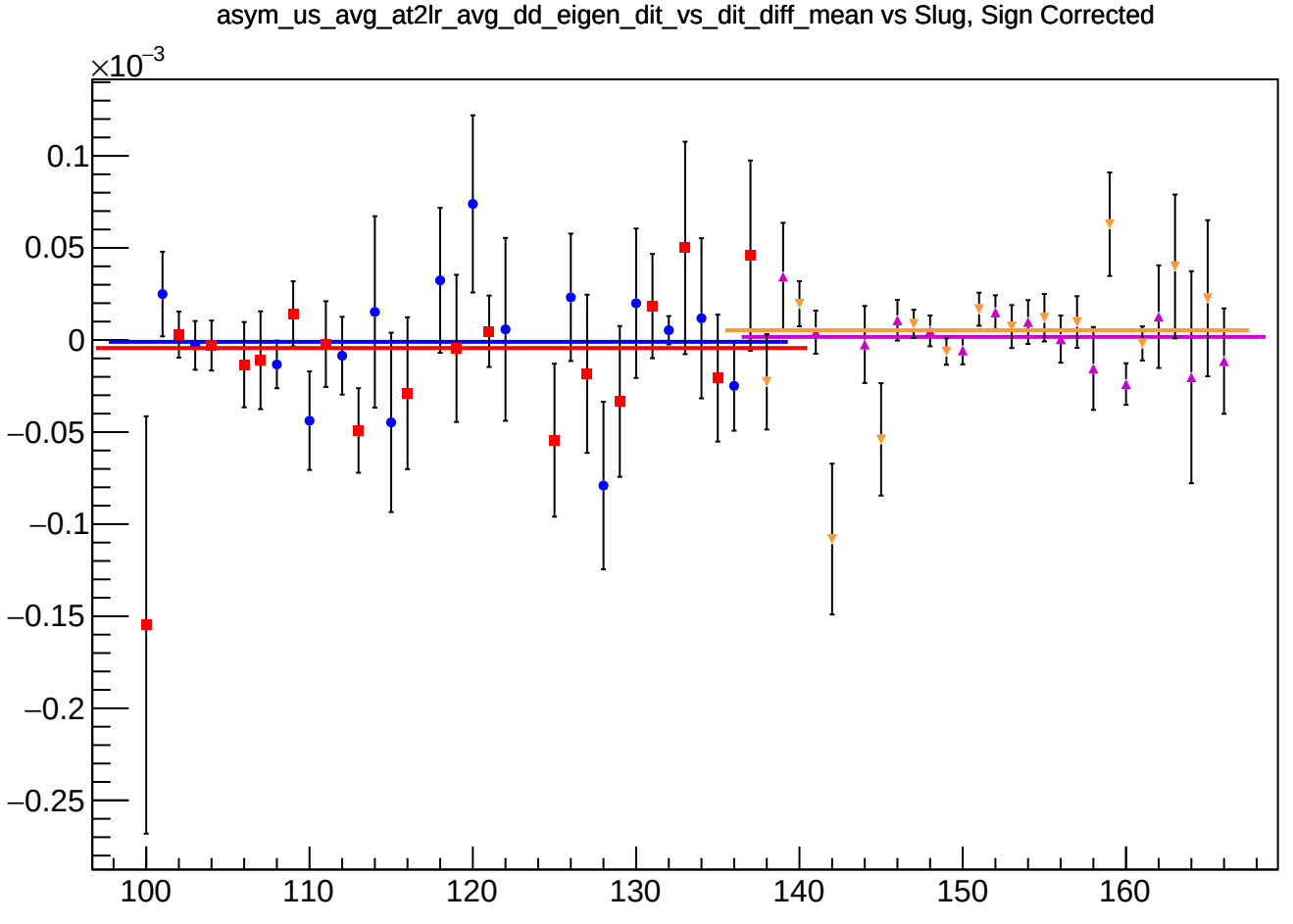
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.080+/-0.090 χ^2/NDF:29.8/29

Out: -0.056+/-0.086 χ^2/NDF:41.9/31

All: 0.009+/-0.062 χ^2/NDF: 72.9/61


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 604.821+/-0.132 χ²/NDF:646196.4/13
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 572.108+/-0.123 χ²/NDF:960751.3/13
Left: 587.342+/-0.090 χ²/NDF: 1639704.9/27
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 346.529+/-0.064 χ²/NDF:6803539.4/29
Out: 312.053+/-0.061 χ²/NDF:8922149.0/31
All: 328.571+/-0.044 χ²/NDF: 15878526.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.8/13

Left: 0.000+/-0.000 χ^2/NDF: 37.0/27

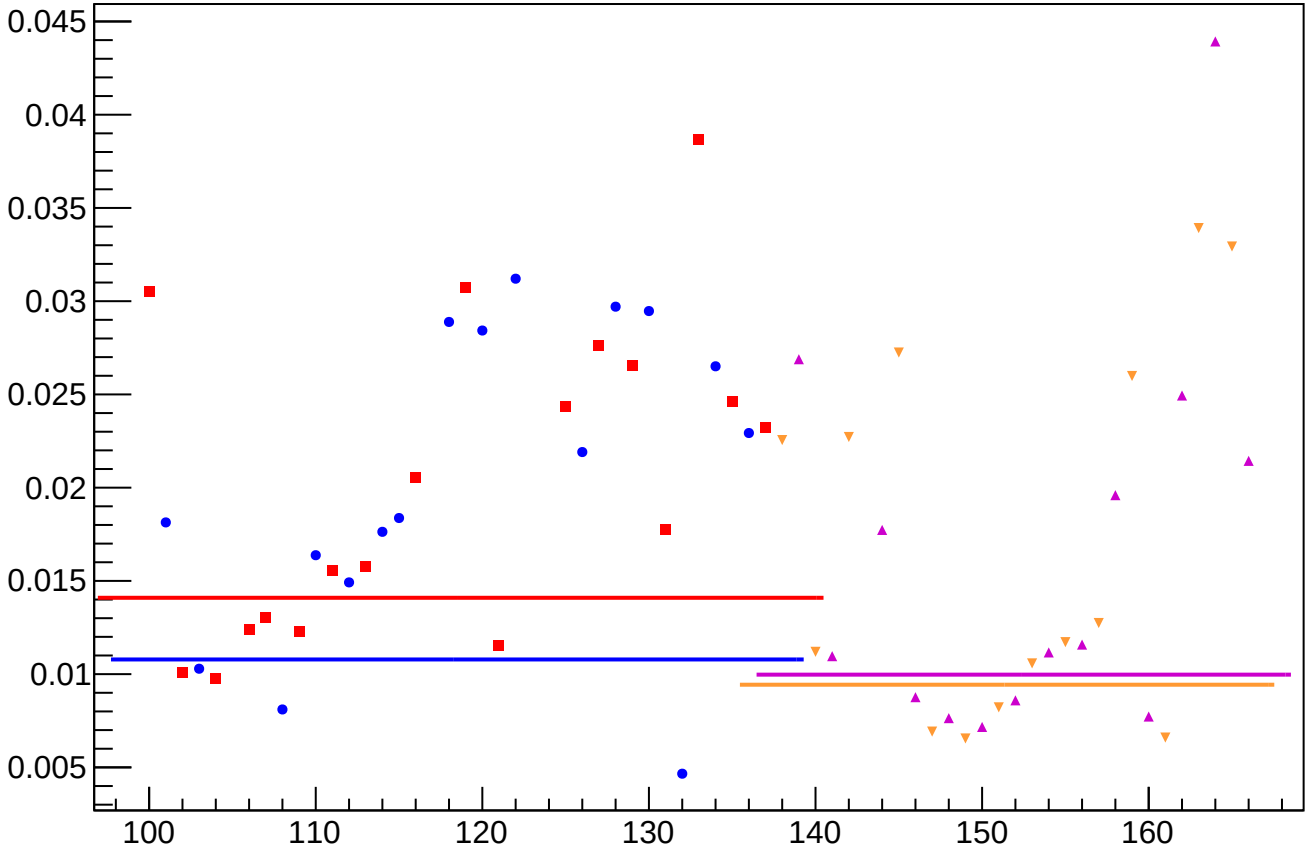
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:26.4/29

Out: 0.000+/-0.000 χ^2/NDF:39.3/31

All: 0.000+/-0.000 χ^2/NDF: 66.0/61

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:4501967.6/13

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3545327.6/13

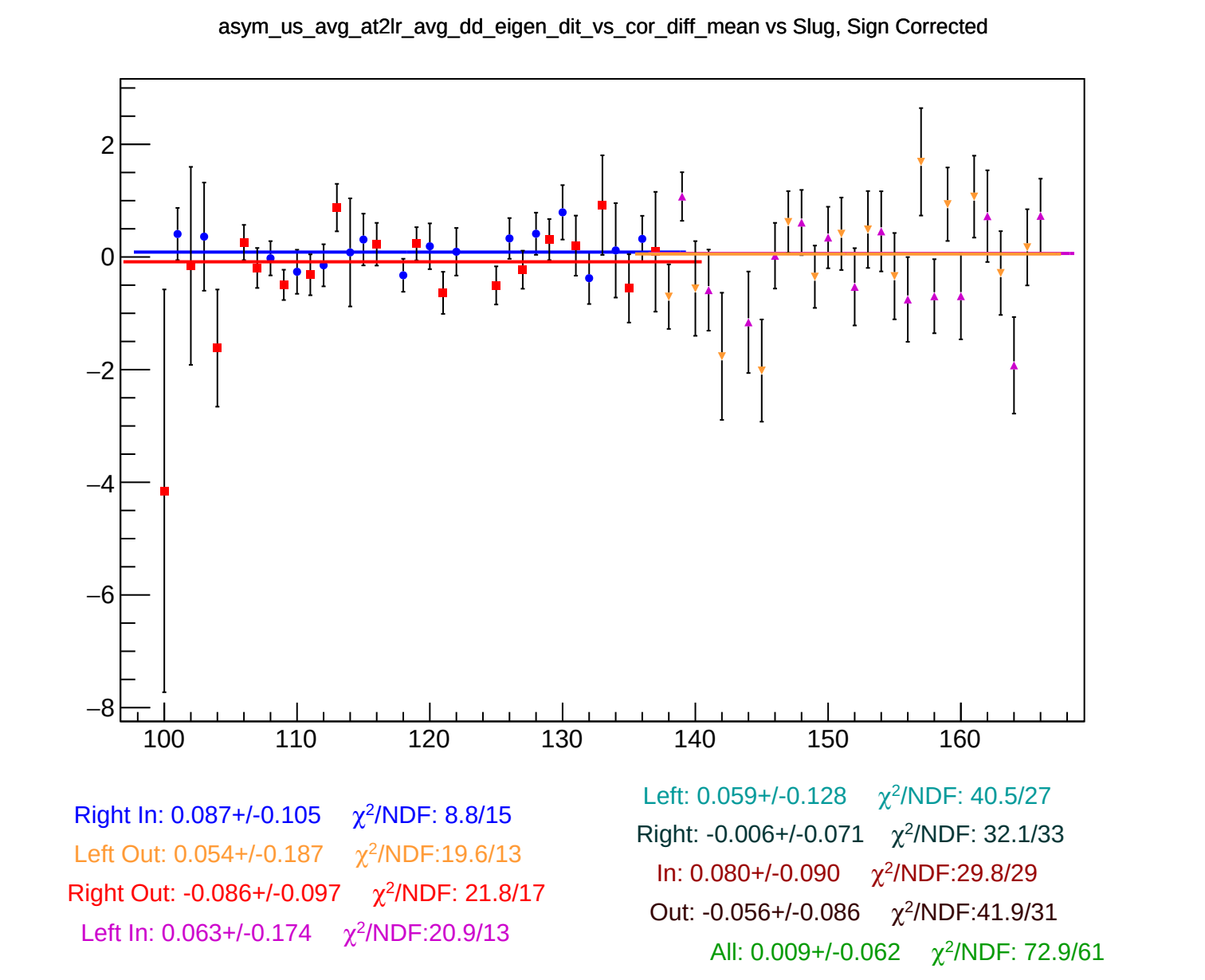
Left: 0.010+/-0.000 χ^2/NDF: 8073450.3/27

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

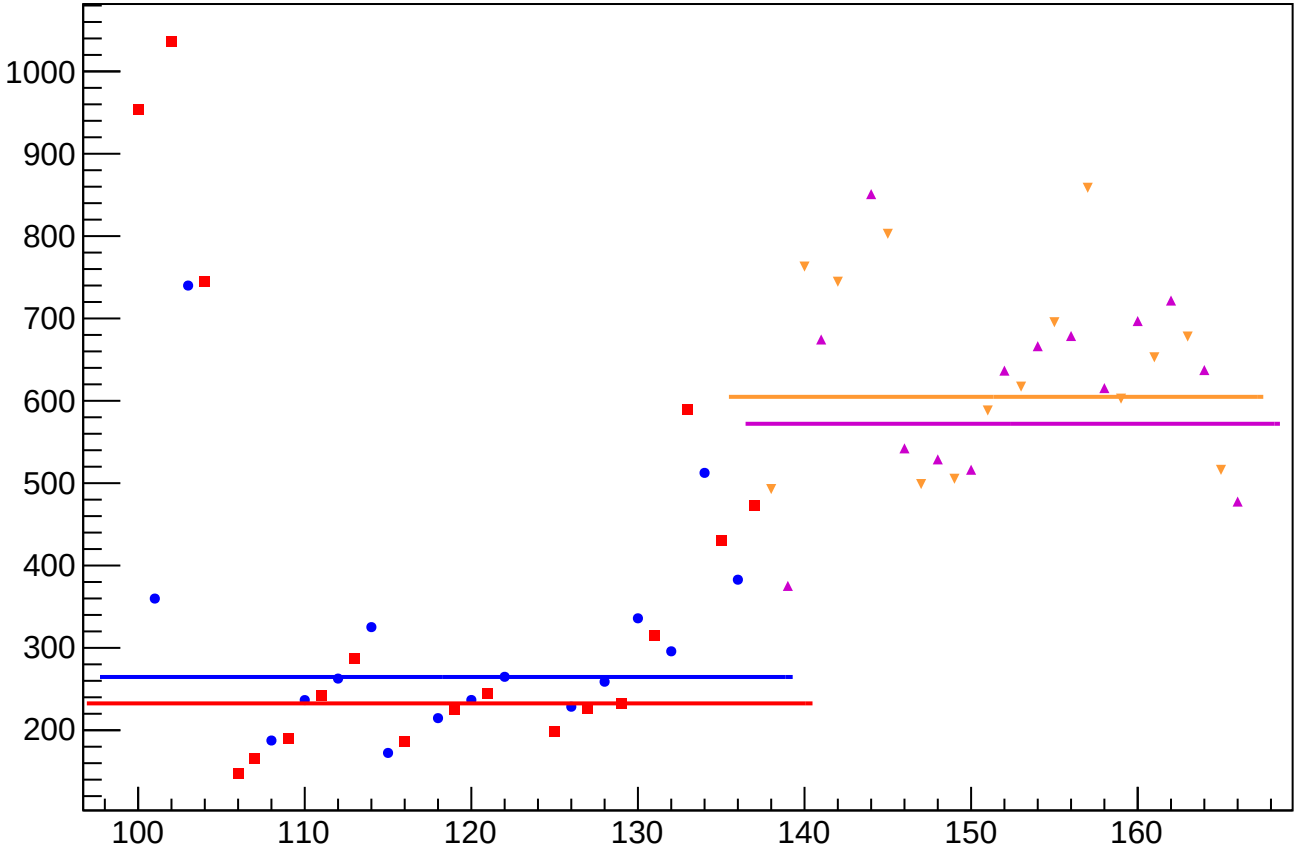
In: 0.010+/-0.000 χ^2/NDF:8162227.2/29

Out: 0.011+/-0.000 χ^2/NDF:7580455.5/31

All: 0.010+/-0.000 χ^2/NDF: 15759509.8/61


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.054+/-0.187 χ²/NDF:19.6/13
Right Out: -0.086+/-0.097 χ²/NDF: 21.8/17
Left In: 0.063+/-0.174 χ²/NDF:20.9/13
Left: 0.059+/-0.128 χ²/NDF: 40.5/27
Right: -0.006+/-0.071 χ²/NDF: 32.1/33
In: 0.080+/-0.090 χ²/NDF:29.8/29
Out: -0.056+/-0.086 χ²/NDF:41.9/31
All: 0.009+/-0.062 χ²/NDF: 72.9/61

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 604.830+/-0.132 χ^2/NDF:646198.9/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 572.117+/-0.123 χ^2/NDF:960735.0/13

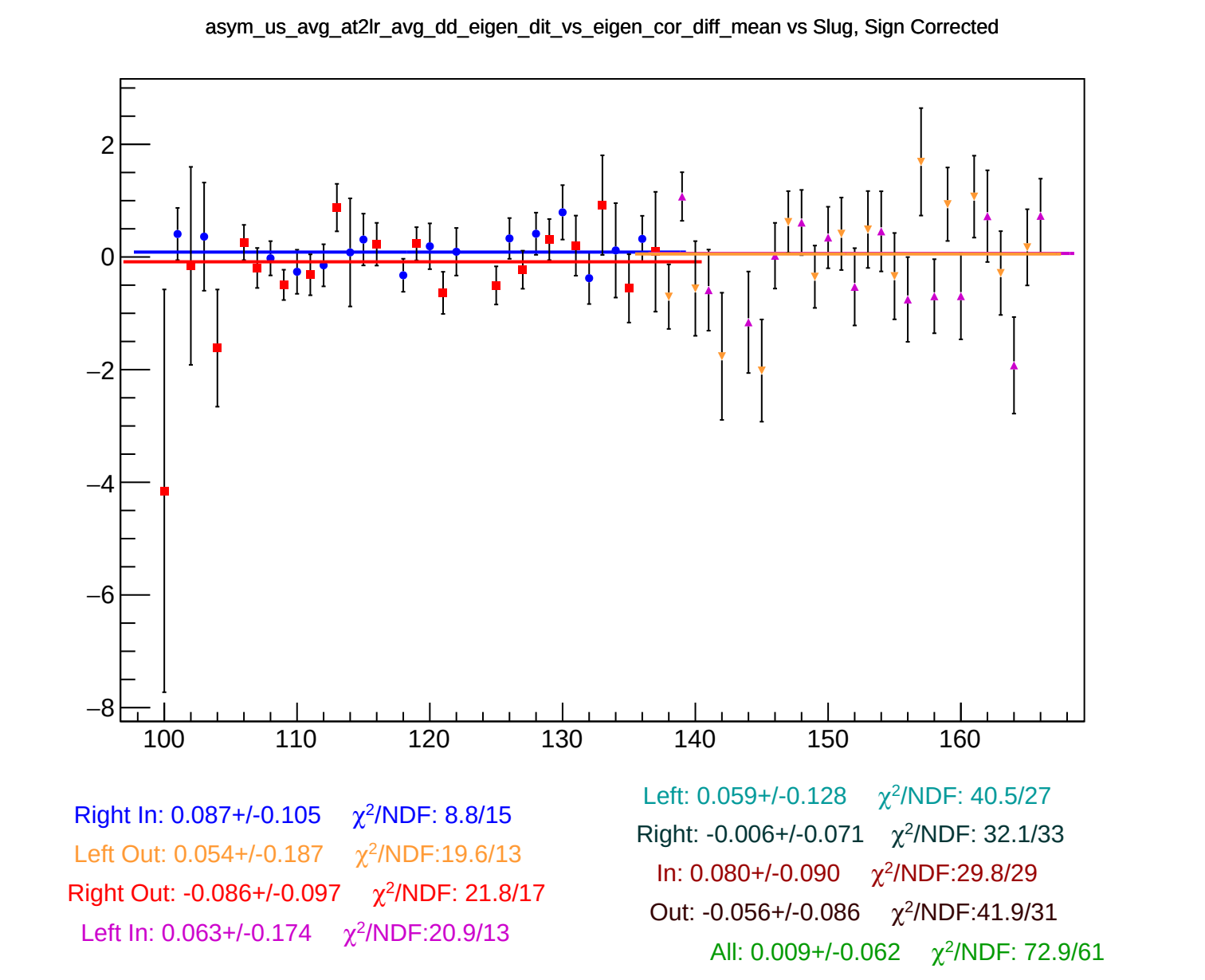
Left: 587.351+/-0.090 χ^2/NDF: 1639691.3/27

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

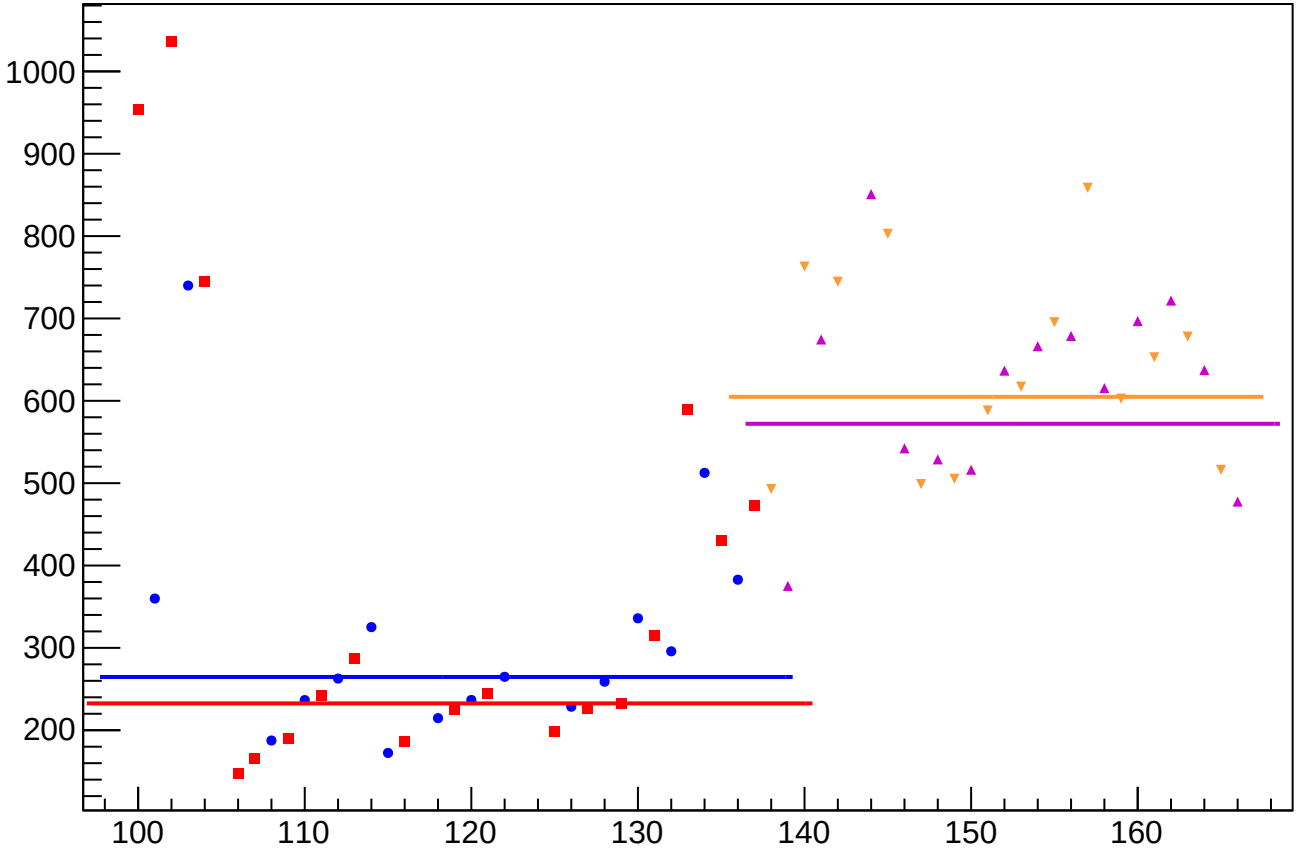
In: 346.529+/-0.064 χ^2/NDF:6803653.3/29

Out: 312.054+/-0.061 χ^2/NDF:8922270.7/31

All: 328.572+/-0.044 χ^2/NDF: 15878754.5/61


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.054+/-0.187 χ²/NDF:19.6/13
Right Out: -0.086+/-0.097 χ²/NDF: 21.8/17
Left In: 0.063+/-0.174 χ²/NDF:20.9/13
Left: 0.059+/-0.128 χ²/NDF: 40.5/27
Right: -0.006+/-0.071 χ²/NDF: 32.1/33
In: 0.080+/-0.090 χ²/NDF:29.8/29
Out: -0.056+/-0.086 χ²/NDF:41.9/31
All: 0.009+/-0.062 χ²/NDF: 72.9/61

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 604.830+/-0.132 χ^2/NDF:646198.9/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 572.117+/-0.123 χ^2/NDF:960735.0/13

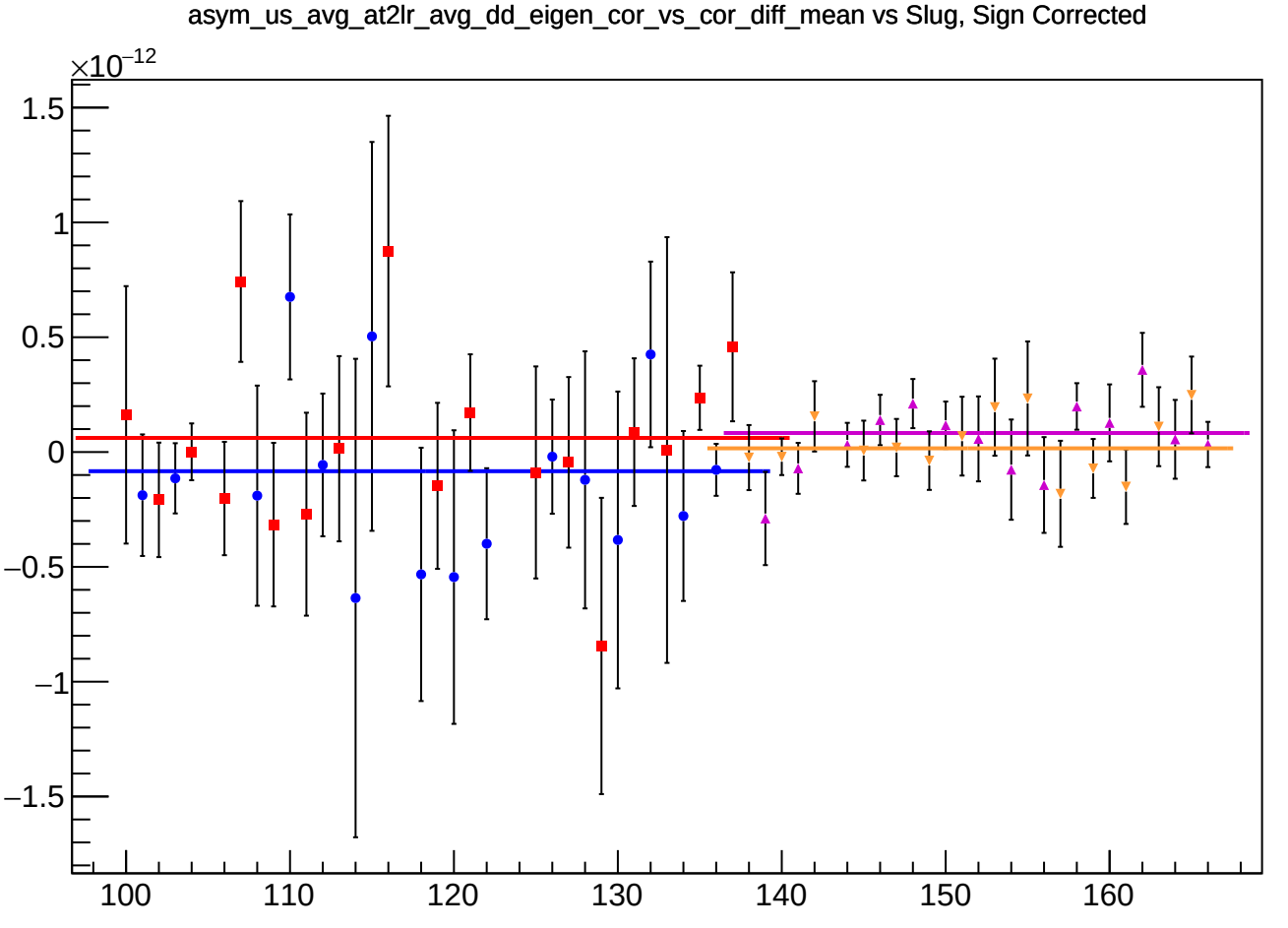
Left: 587.351+/-0.090 χ^2/NDF: 1639691.3/27

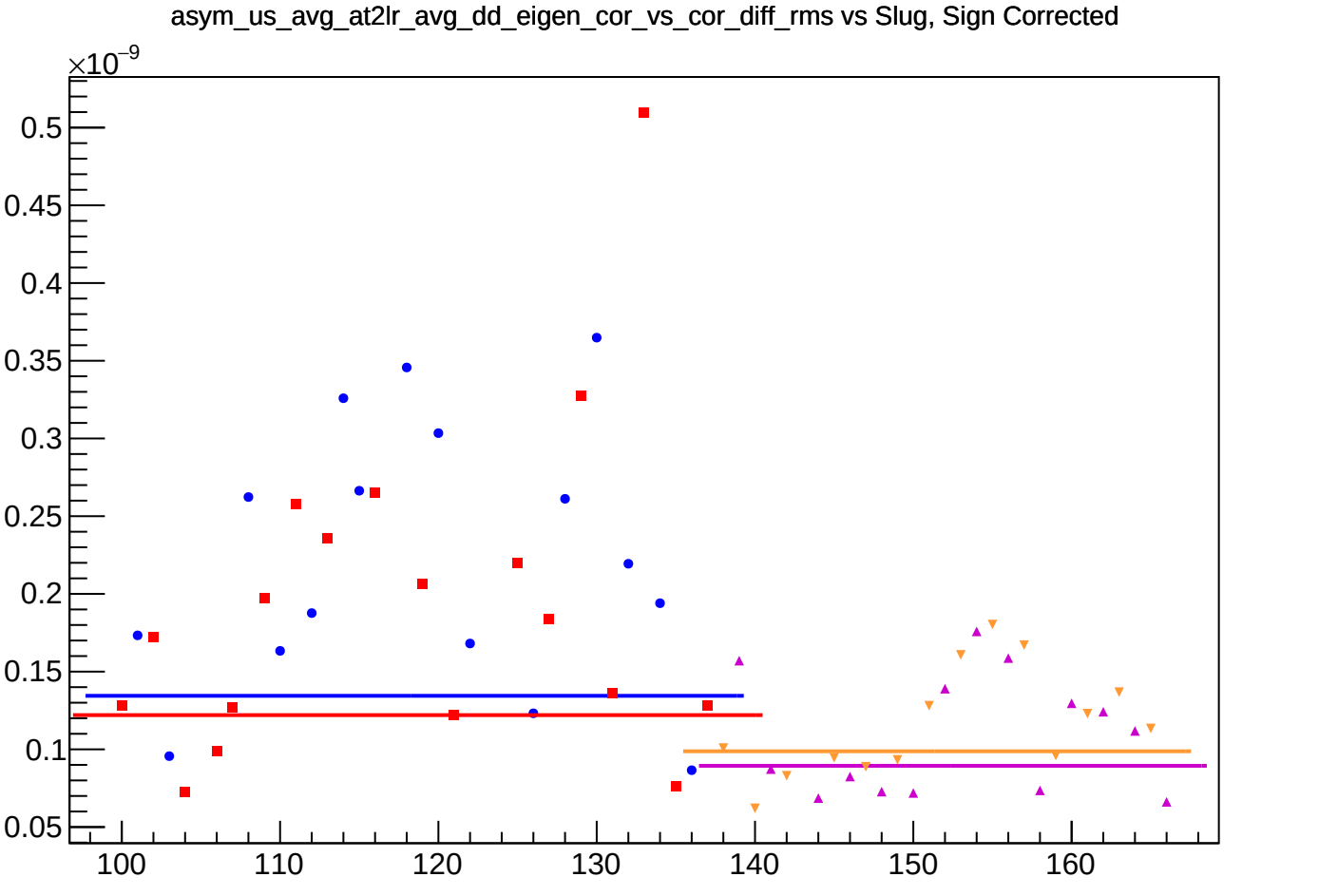
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

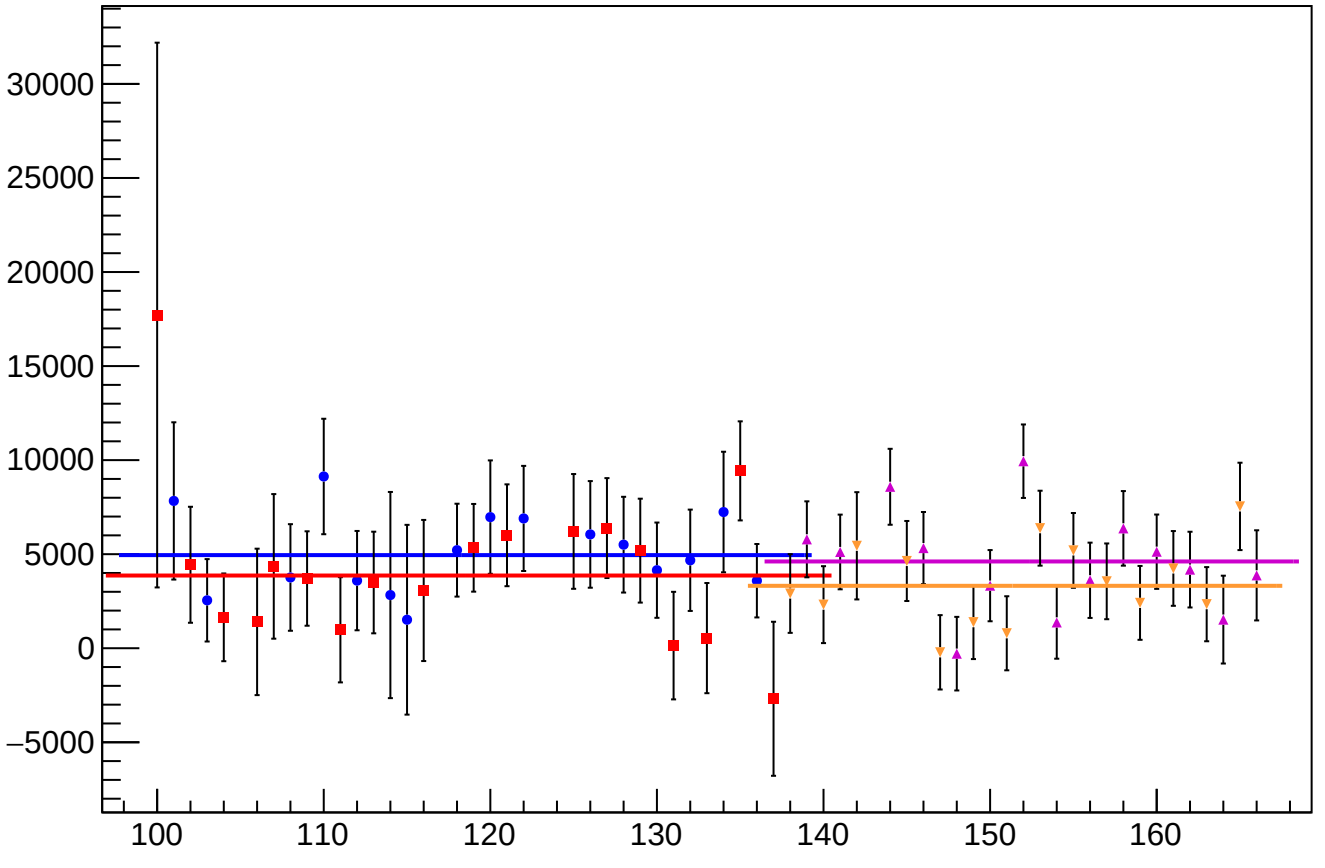
In: 346.529+/-0.064 χ^2/NDF:6803653.3/29

Out: 312.054+/-0.061 χ^2/NDF:8922270.7/31

All: 328.572+/-0.044 χ^2/NDF: 15878754.5/61


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:13.7/13
Left: 0.000+/-0.000 χ²/NDF: 22.8/27
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:28.1/29
Out: 0.000+/-0.000 χ²/NDF:23.5/31
All: 0.000+/-0.000 χ²/NDF: 51.8/61


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1242987.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1511588.9/13
Left: 0.000+/-0.000 χ²/NDF: 2821587.6/27
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4011067.6/29
Out: 0.000+/-0.000 χ²/NDF:3439657.3/31
All: 0.000+/-0.000 χ²/NDF: 7492789.0/61



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3318.062+/-551.102 χ^2/NDF:14.3/13

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.482+/-538.212 χ^2/NDF:24.4/13

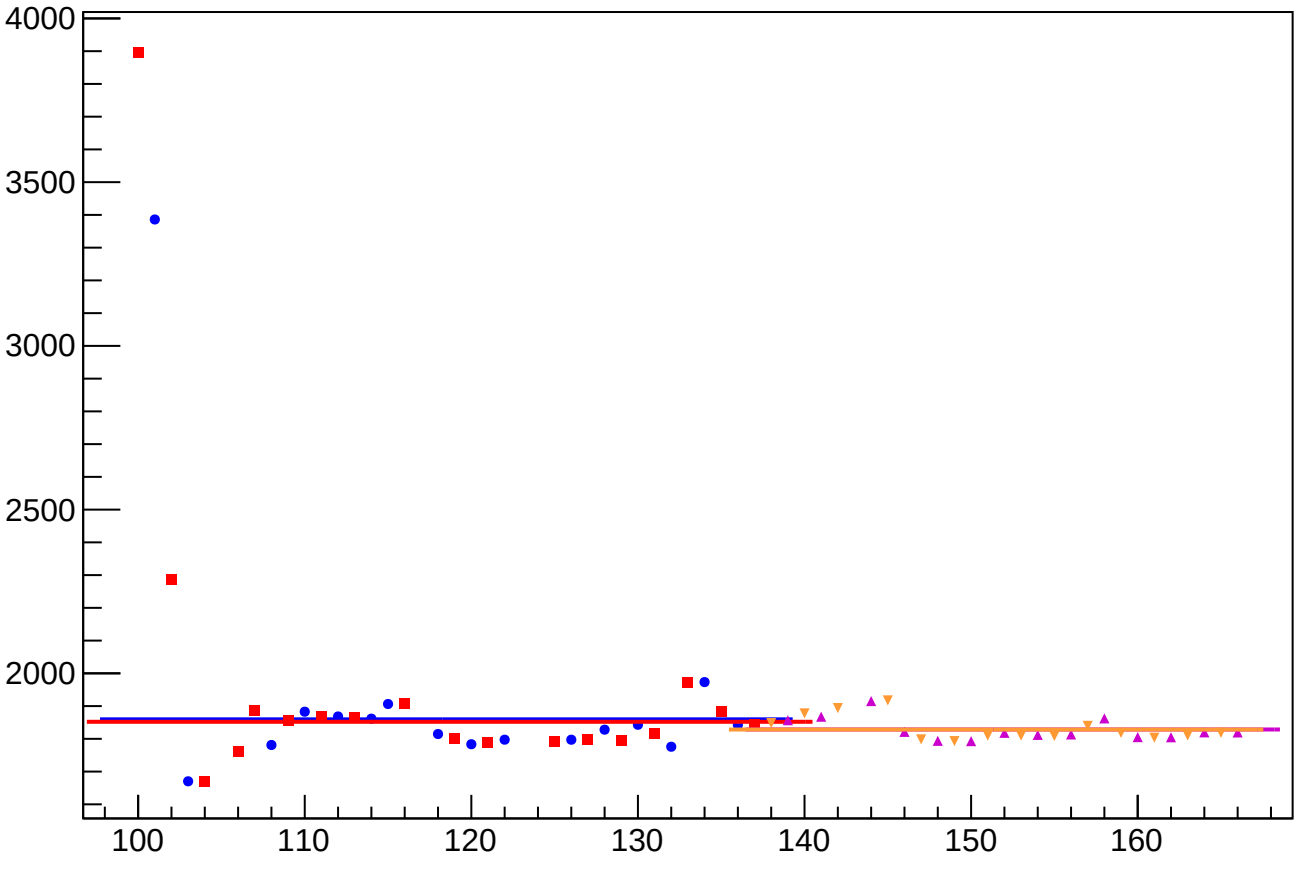
Left: 3980.588+/-385.050 χ^2/NDF: 41.5/27

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

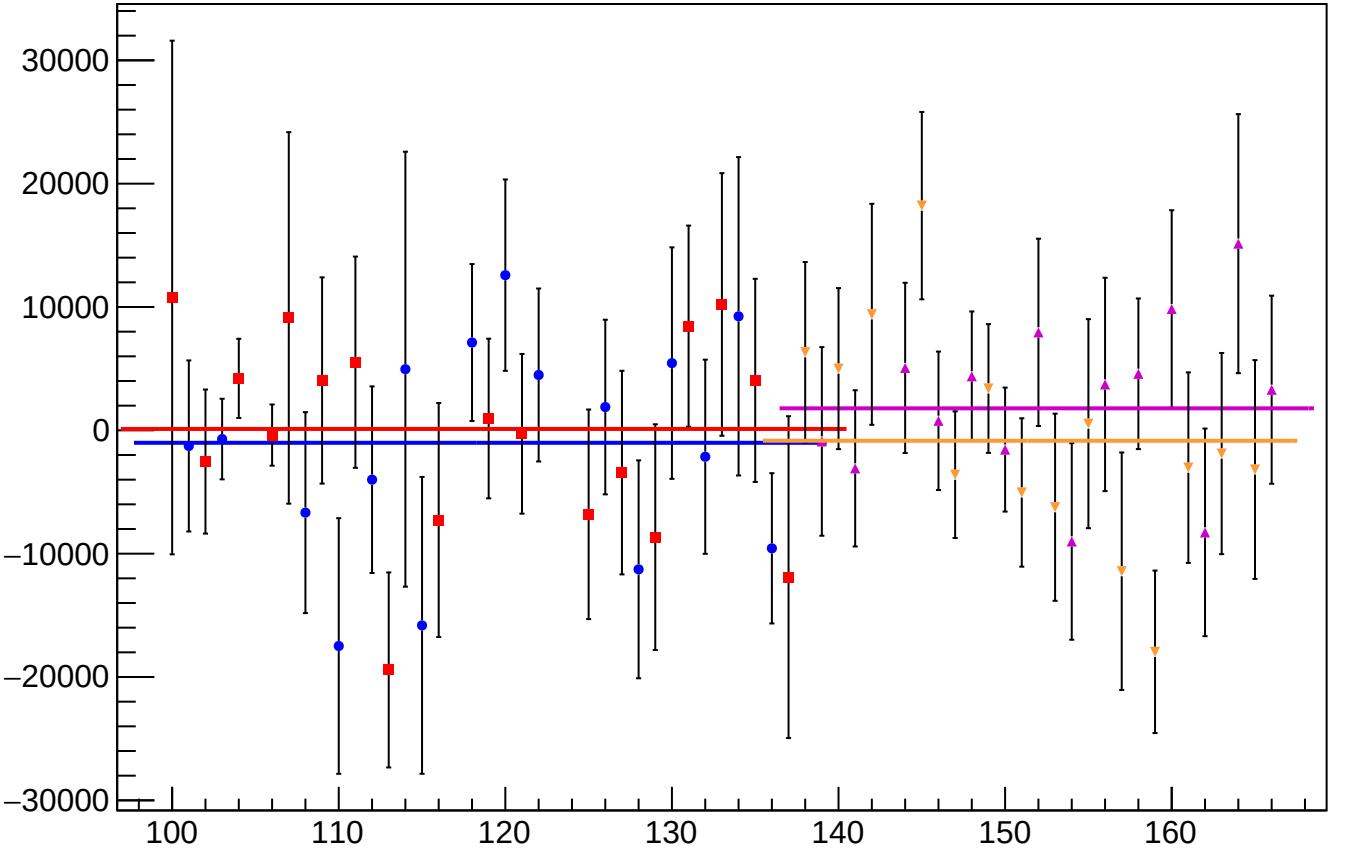
In: 4738.240+/-426.432 χ^2/NDF:31.4/29

Out: 3528.967+/-432.006 χ^2/NDF:30.8/31

All: 4141.455+/-303.485 χ^2/NDF: 66.2/61


reg_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 1859.509+/-0.494 χ²/NDF: 292334.6/15
Left Out: 1828.390+/-0.390 χ²/NDF:8192.5/13
Right Out: 1852.065+/-0.490 χ²/NDF: 102212.5/17
Left In: 1828.553+/-0.381 χ²/NDF:7735.6/13
Left: 1828.474+/-0.272 χ²/NDF: 15928.3/27
Right: 1855.759+/-0.348 χ²/NDF: 394661.4/33
In: 1840.077+/-0.302 χ²/NDF:302533.1/29
Out: 1837.551+/-0.305 χ²/NDF:111833.3/31
All: 1838.829+/-0.214 χ²/NDF: 414401.0/61

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -844.083+/-1876.796 χ^2/NDF:19.5/13

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1783.253+/-1826.396 χ^2/NDF:8.5/13

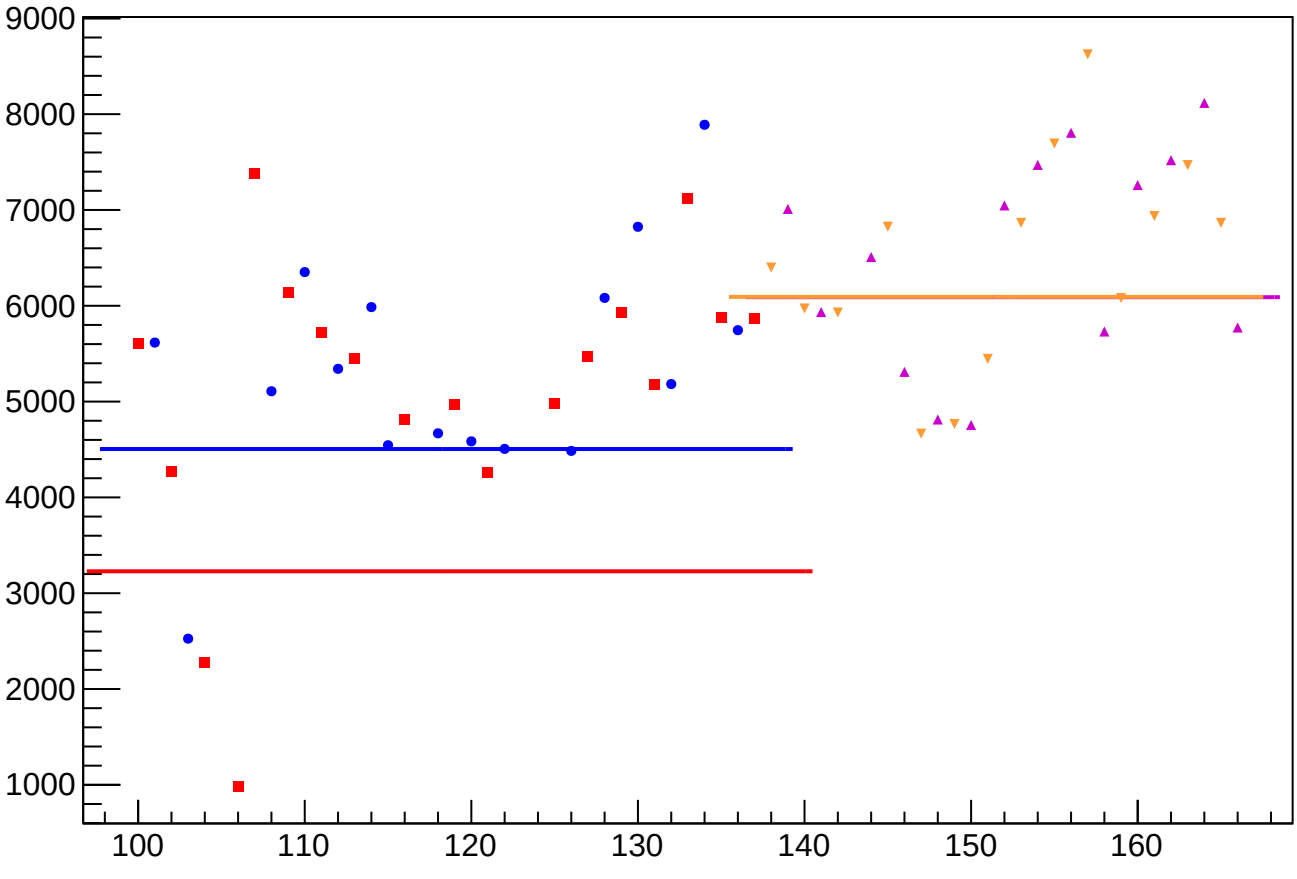
Left: 505.336+/-1308.912 χ^2/NDF: 29.0/27

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 338.092+/-1268.889 χ^2/NDF:24.5/29

Out: -242.285+/-1141.721 χ^2/NDF:34.3/31

All: 17.372+/-848.727 χ^2/NDF: 58.8/61



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6093.213+/-1.327 χ^2/NDF:656977.6/13

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6089.653+/-1.291 χ^2/NDF:691099.4/13

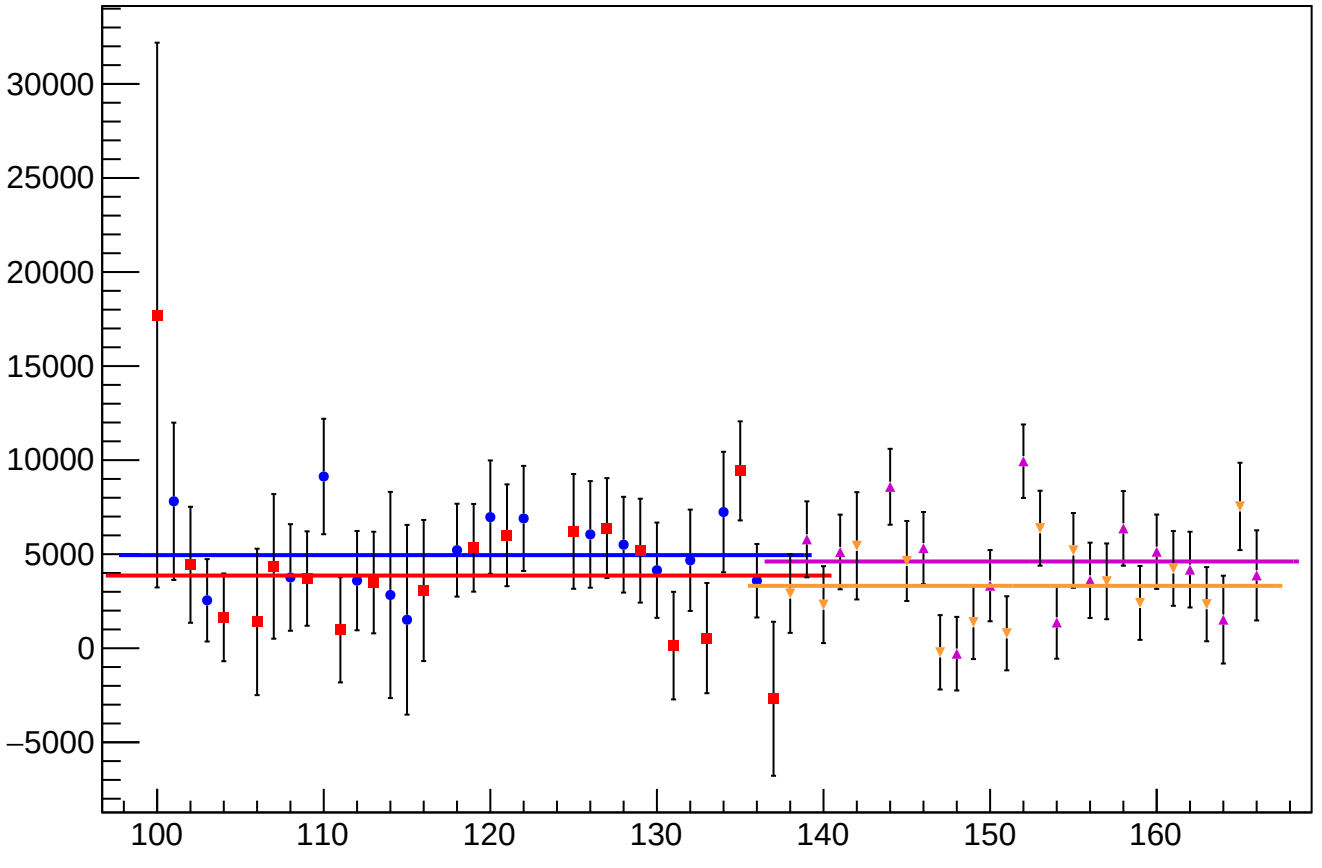
Left: 6091.385+/-0.926 χ^2/NDF: 1348080.7/27

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5269.767+/-0.897 χ^2/NDF:2791291.7/29

Out: 4288.715+/-0.807 χ^2/NDF:7548437.2/31

All: 4727.631+/-0.600 χ^2/NDF: 11000397.7/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.626+/-538.212 χ^2/NDF:24.4/13

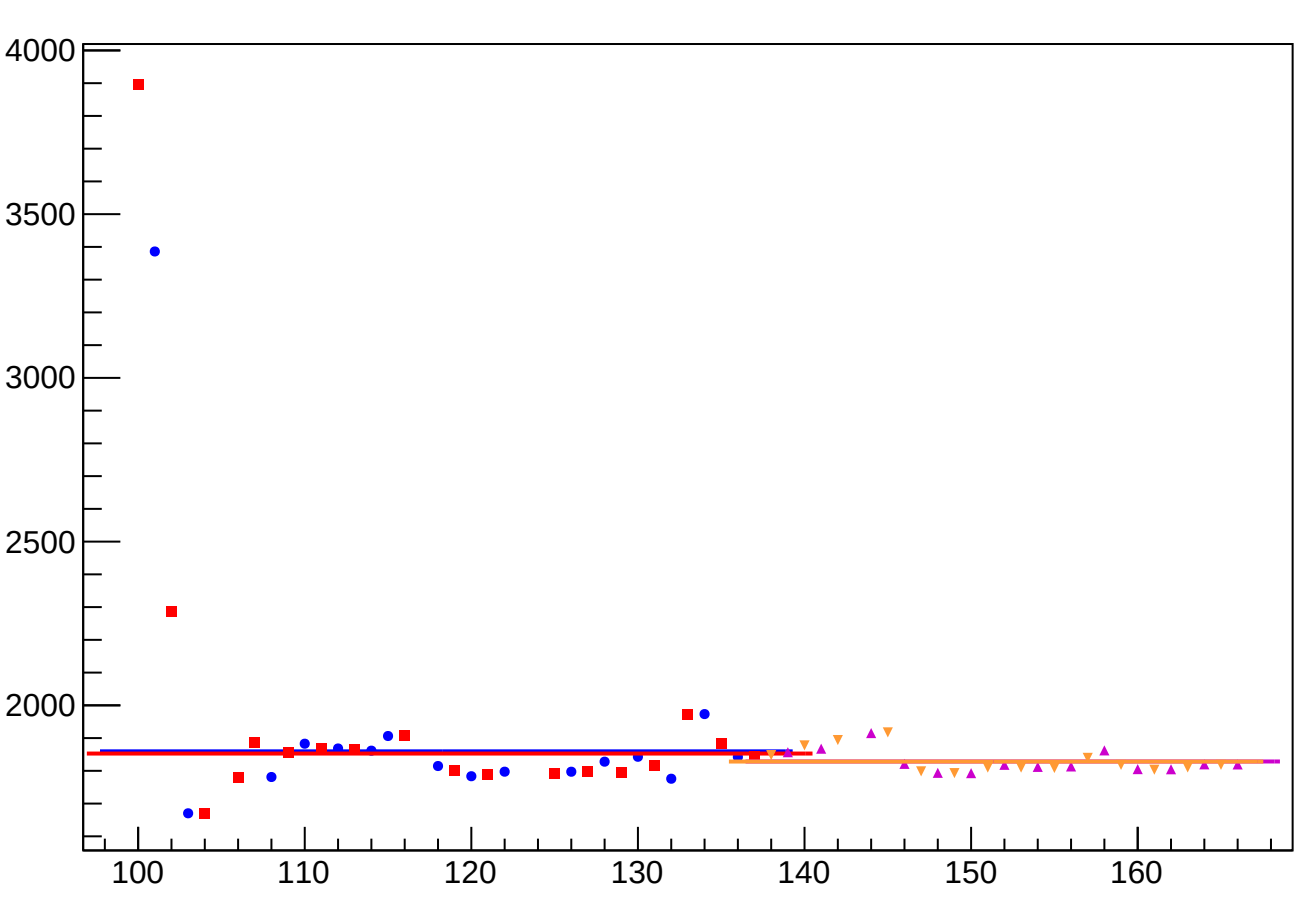
Left: 3980.611+/-385.050 χ^2/NDF: 41.5/27

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4738.150+/-426.432 χ^2/NDF:31.4/29

Out: 3528.822+/-432.006 χ^2/NDF:30.8/31

All: 4141.338+/-303.485 χ^2/NDF: 66.2/61



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.390+/-0.390 χ^2/NDF:8192.5/13

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1828.553+/-0.381 χ^2/NDF:7735.6/13

Left: 1828.474+/-0.272 χ^2/NDF: 15928.3/27

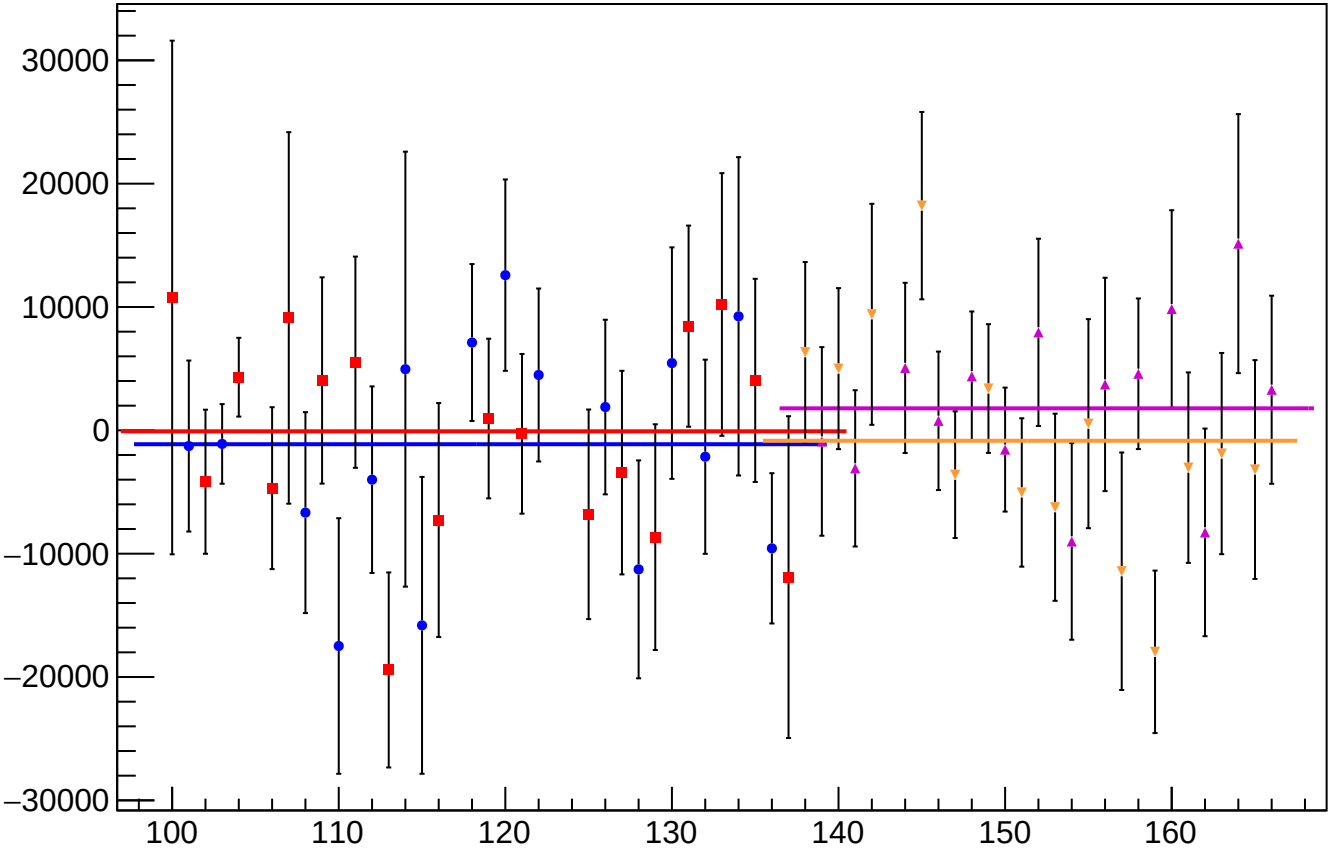
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1840.077+/-0.302 χ^2/NDF:302534.9/29

Out: 1837.821+/-0.305 χ^2/NDF:111457.0/31

All: 1838.962+/-0.214 χ^2/NDF: 414019.6/61

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -844.161+/-1876.795 χ^2/NDF:19.5/13

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1783.429+/-1826.396 χ^2/NDF:8.5/13

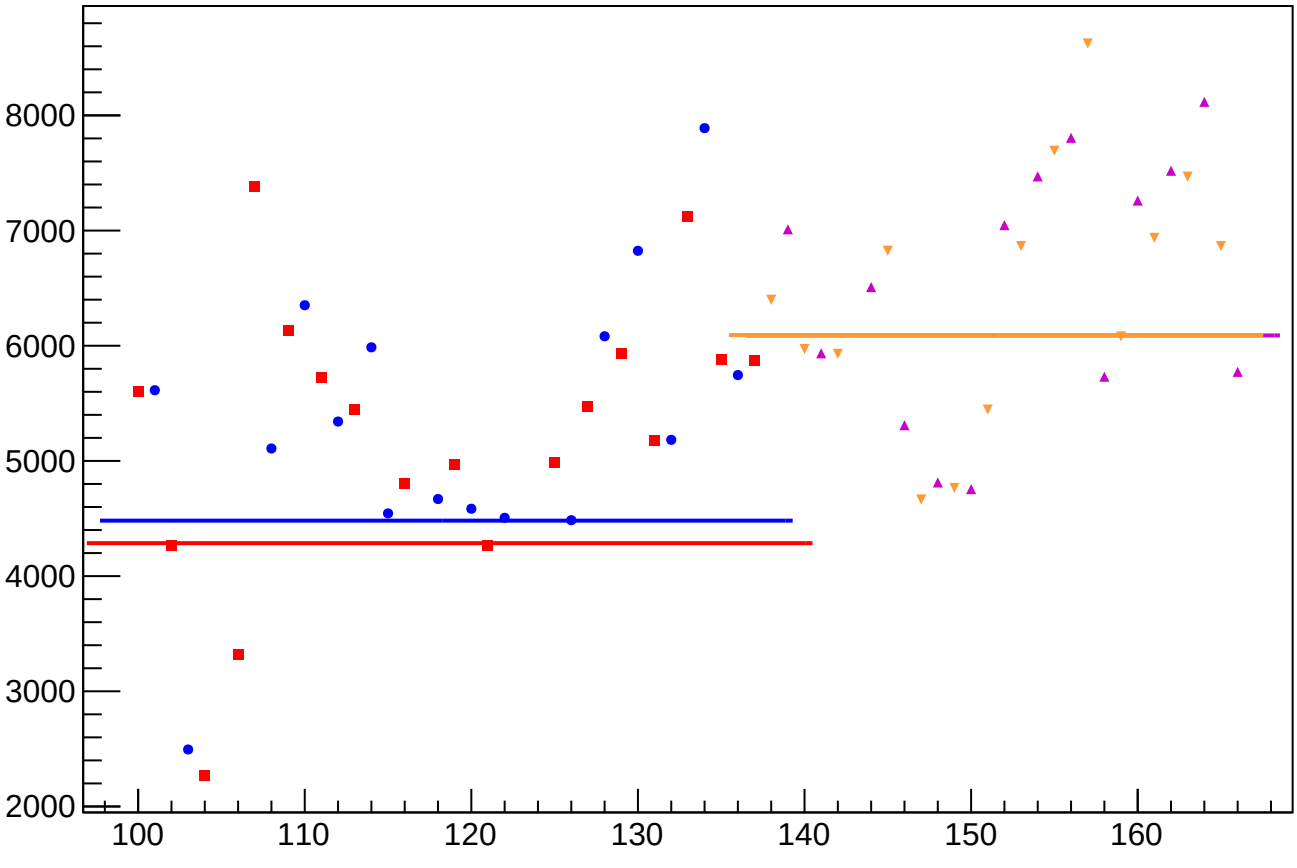
Left: 505.388+/-1308.912 χ^2/NDF: 29.0/27

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 273.341+/-1266.537 χ^2/NDF:24.5/29

Out: -423.996+/-1260.954 χ^2/NDF:35.1/31

All: -76.868+/-893.597 χ^2/NDF: 59.8/61



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6089.653+/-1.291 χ^2/NDF:691106.9/13

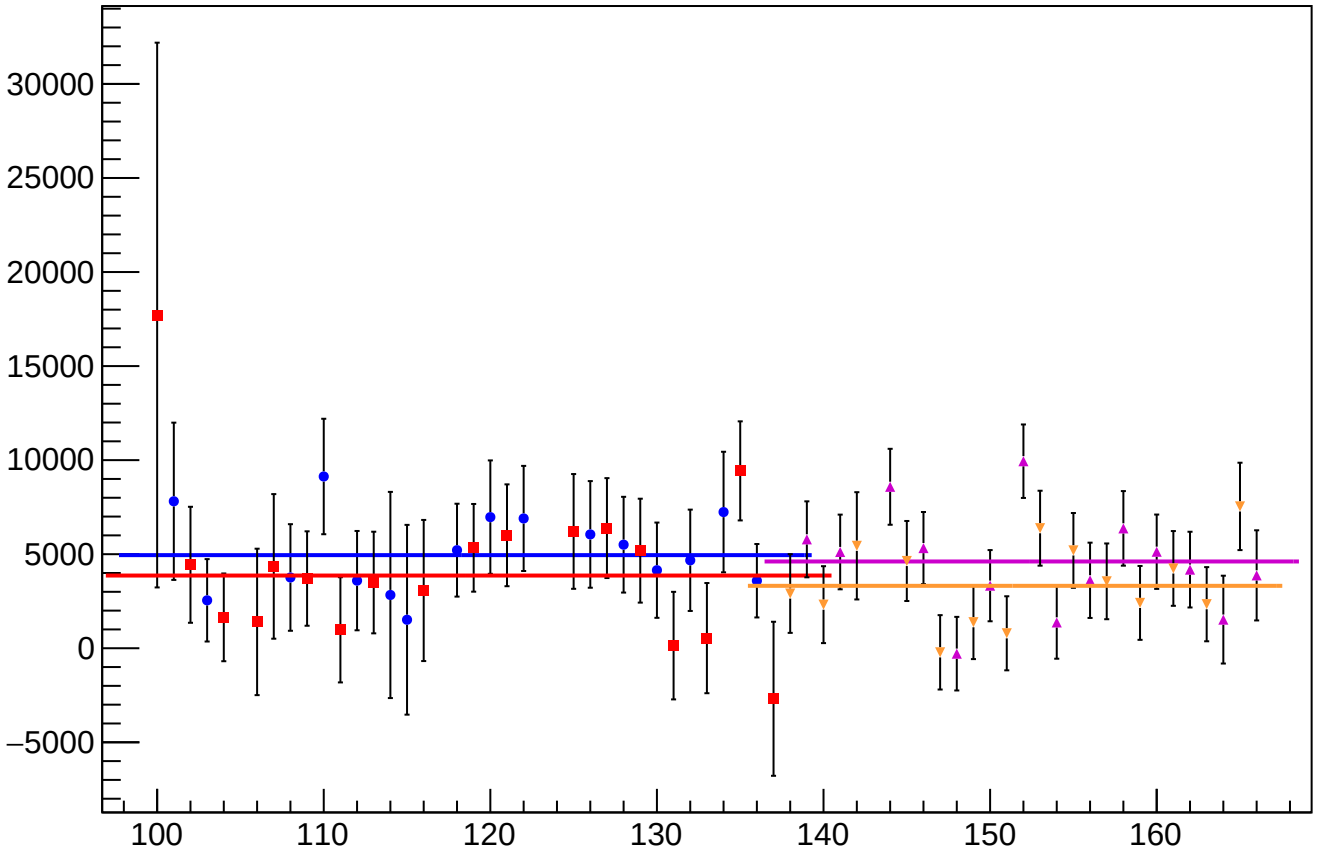
Left: 6091.383+/-0.926 χ^2/NDF: 1348096.3/27

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5254.854+/-0.896 χ^2/NDF:2858266.4/29

Out: 5101.849+/-0.892 χ^2/NDF:3224037.2/31

All: 5178.014+/-0.632 χ^2/NDF: 6096962.2/61



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4612.626+/-538.212 χ^2/NDF:24.4/13

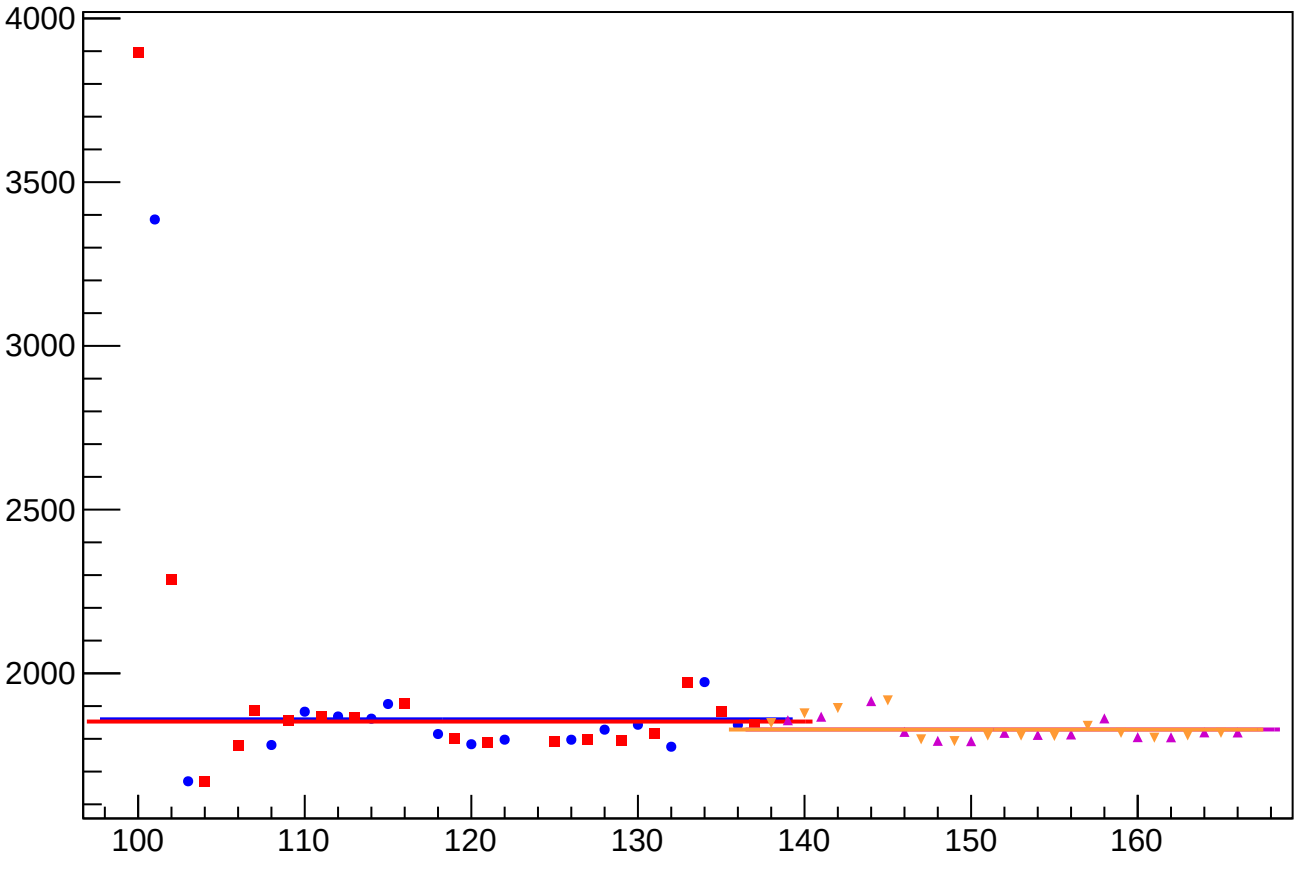
Left: 3980.611+/-385.050 χ^2/NDF: 41.5/27

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4738.150+/-426.432 χ^2/NDF:31.4/29

Out: 3528.822+/-432.006 χ^2/NDF:30.8/31

All: 4141.338+/-303.485 χ^2/NDF: 66.2/61



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.390+/-0.390 χ^2/NDF:8192.5/13

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1828.553+/-0.381 χ^2/NDF:7735.6/13

Left: 1828.474+/-0.272 χ^2/NDF: 15928.3/27

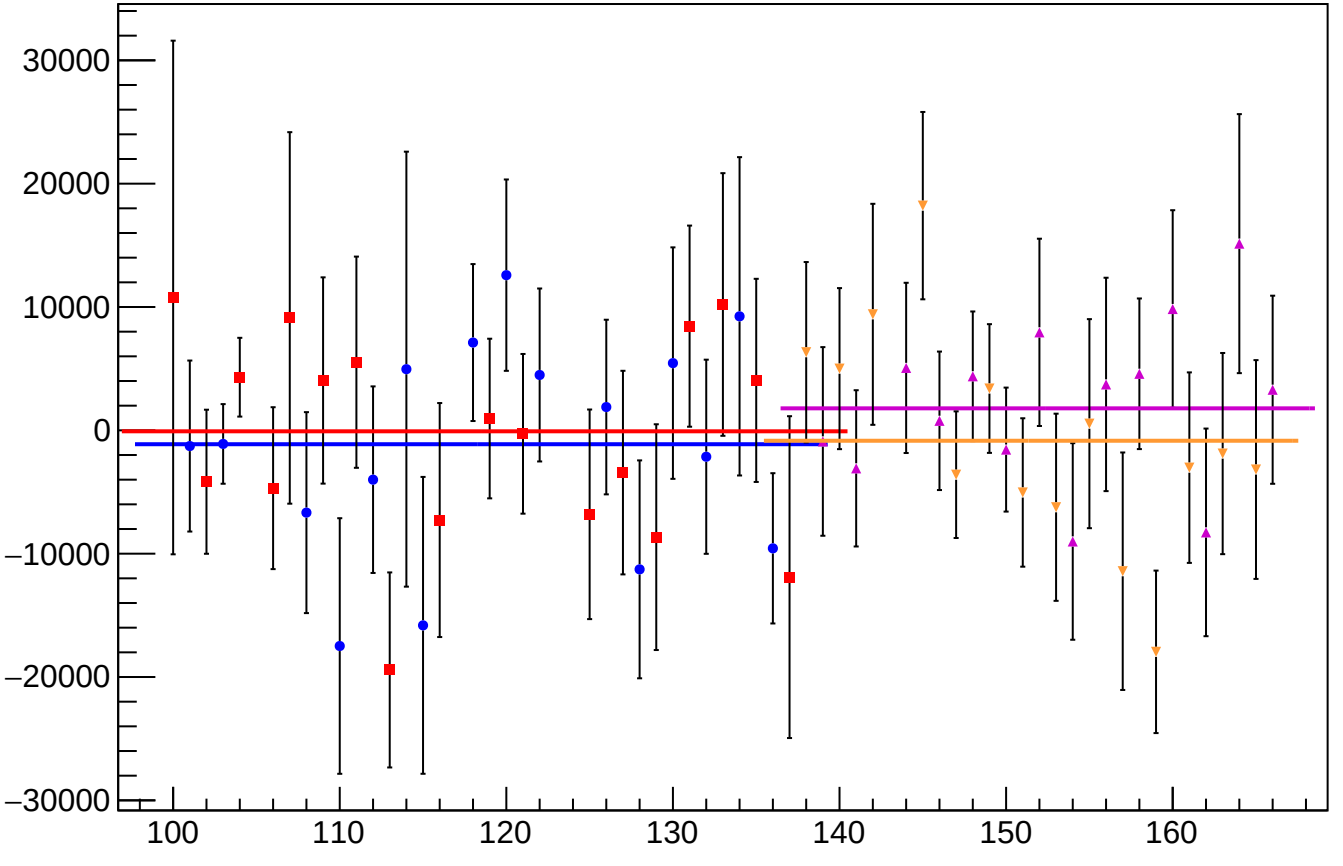
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1840.077+/-0.302 χ^2/NDF:302534.9/29

Out: 1837.821+/-0.305 χ^2/NDF:111457.0/31

All: 1838.962+/-0.214 χ^2/NDF: 414019.6/61

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -844.161+/-1876.795 χ^2/NDF:19.5/13

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1783.429+/-1826.396 χ^2/NDF:8.5/13

Left: 505.388+/-1308.912 χ^2/NDF: 29.0/27

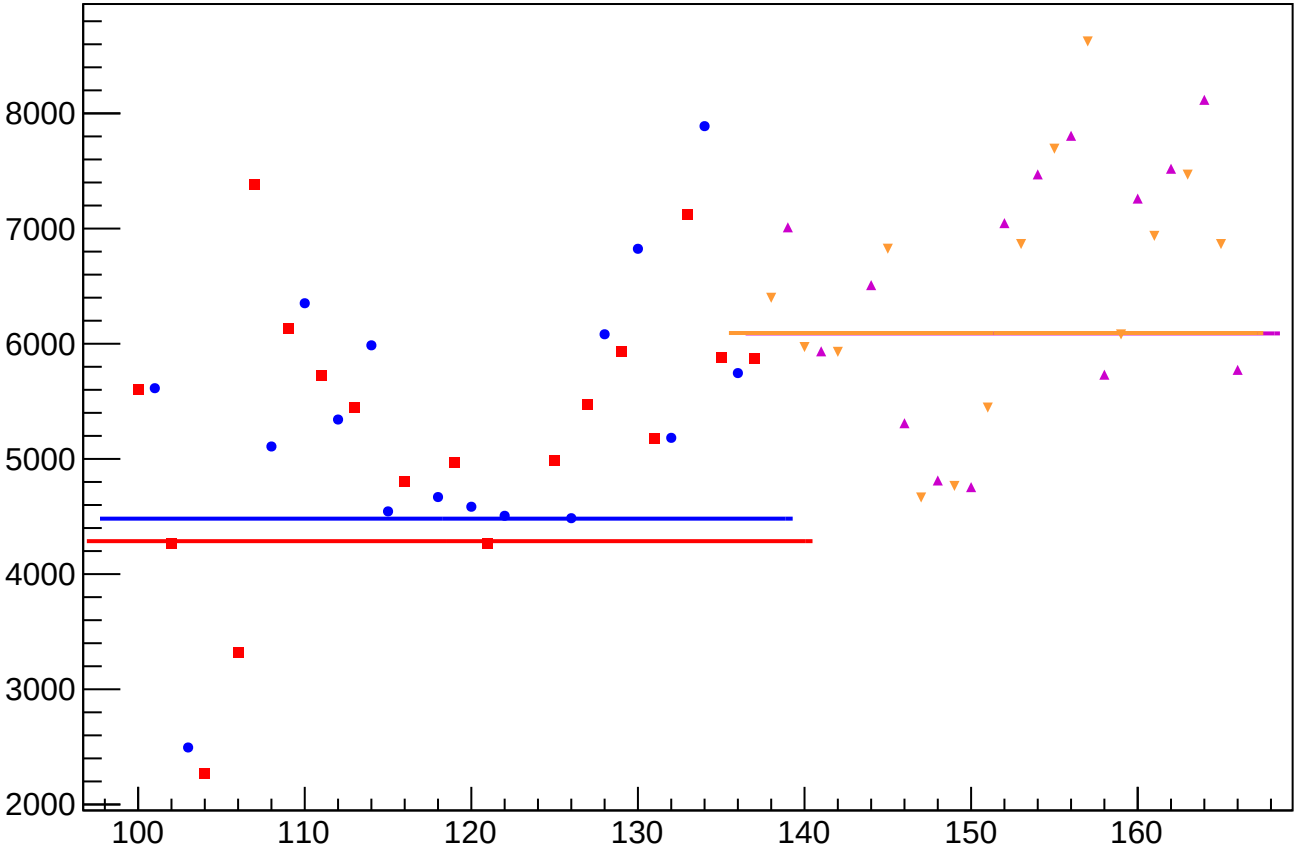
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 273.341+/-1266.537 χ^2/NDF:24.5/29

Out: -423.996+/-1260.954 χ^2/NDF:35.1/31

All: -76.868+/-893.597 χ^2/NDF: 59.8/61

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6089.653+/-1.291 χ^2/NDF:691106.9/13

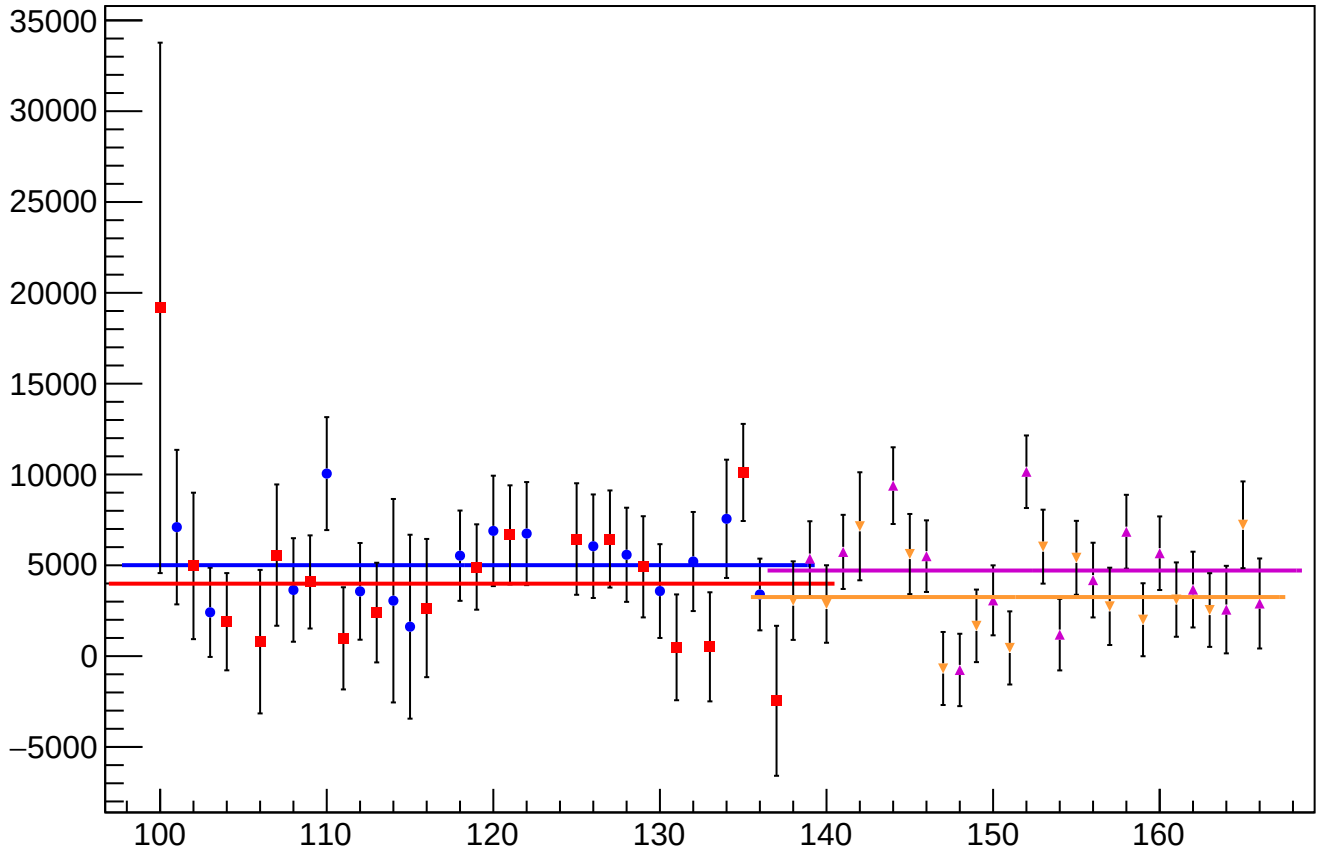
Left: 6091.383+/-0.926 χ^2/NDF: 1348096.3/27

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5254.854+/-0.896 χ^2/NDF:2858266.4/29

Out: 5101.849+/-0.892 χ^2/NDF:3224037.2/31

All: 5178.014+/-0.632 χ^2/NDF: 6096962.2/61



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.273+/-567.435 χ^2/NDF:15.6/13

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4713.167+/-552.613 χ^2/NDF:27.3/13

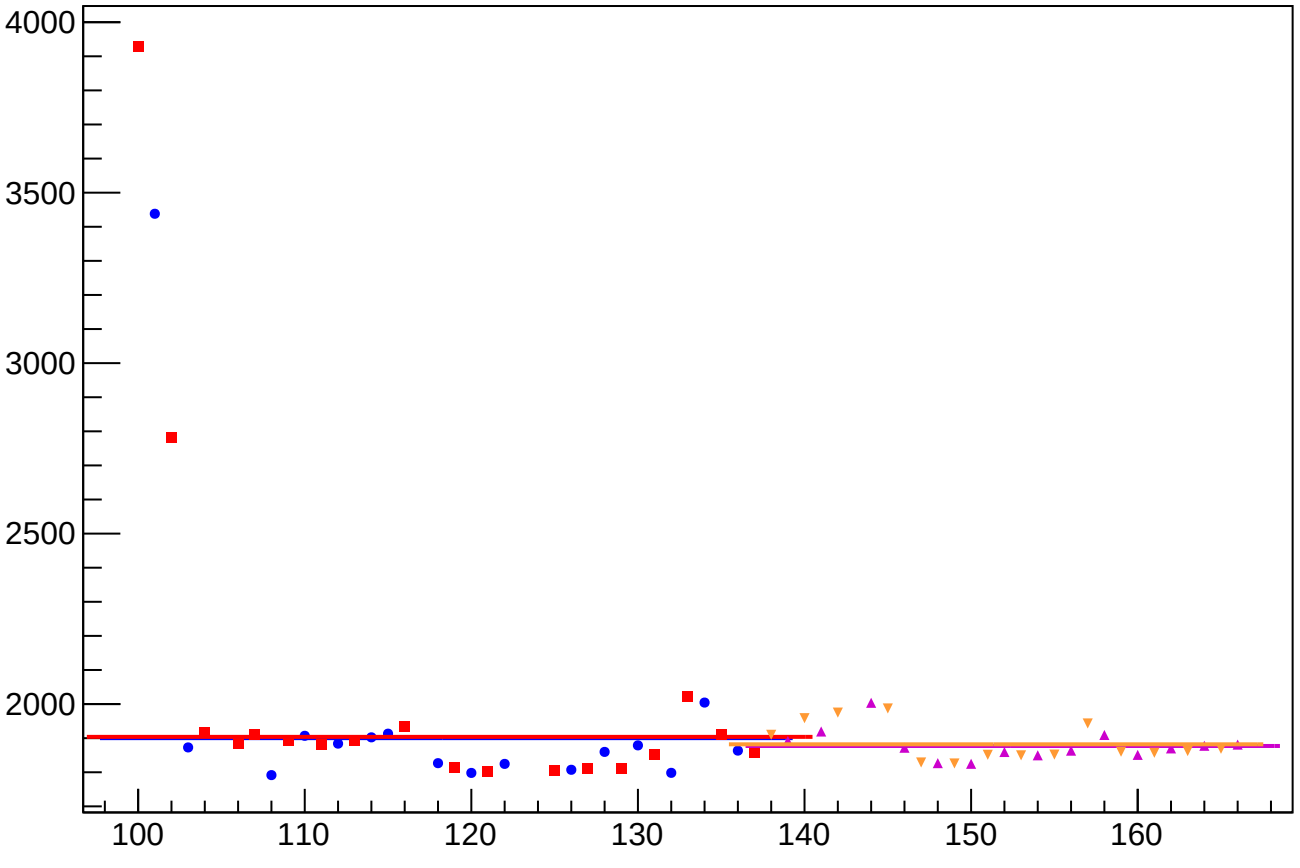
Left: 4002.050+/-395.893 χ^2/NDF: 46.3/27

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4823.349+/-437.026 χ^2/NDF:35.1/29

Out: 3535.088+/-445.435 χ^2/NDF:33.7/31

All: 4191.493+/-311.955 χ^2/NDF: 73.0/61



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1882.002+/-0.401 χ^2/NDF:16252.5/13

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1877.108+/-0.391 χ^2/NDF:12424.1/13

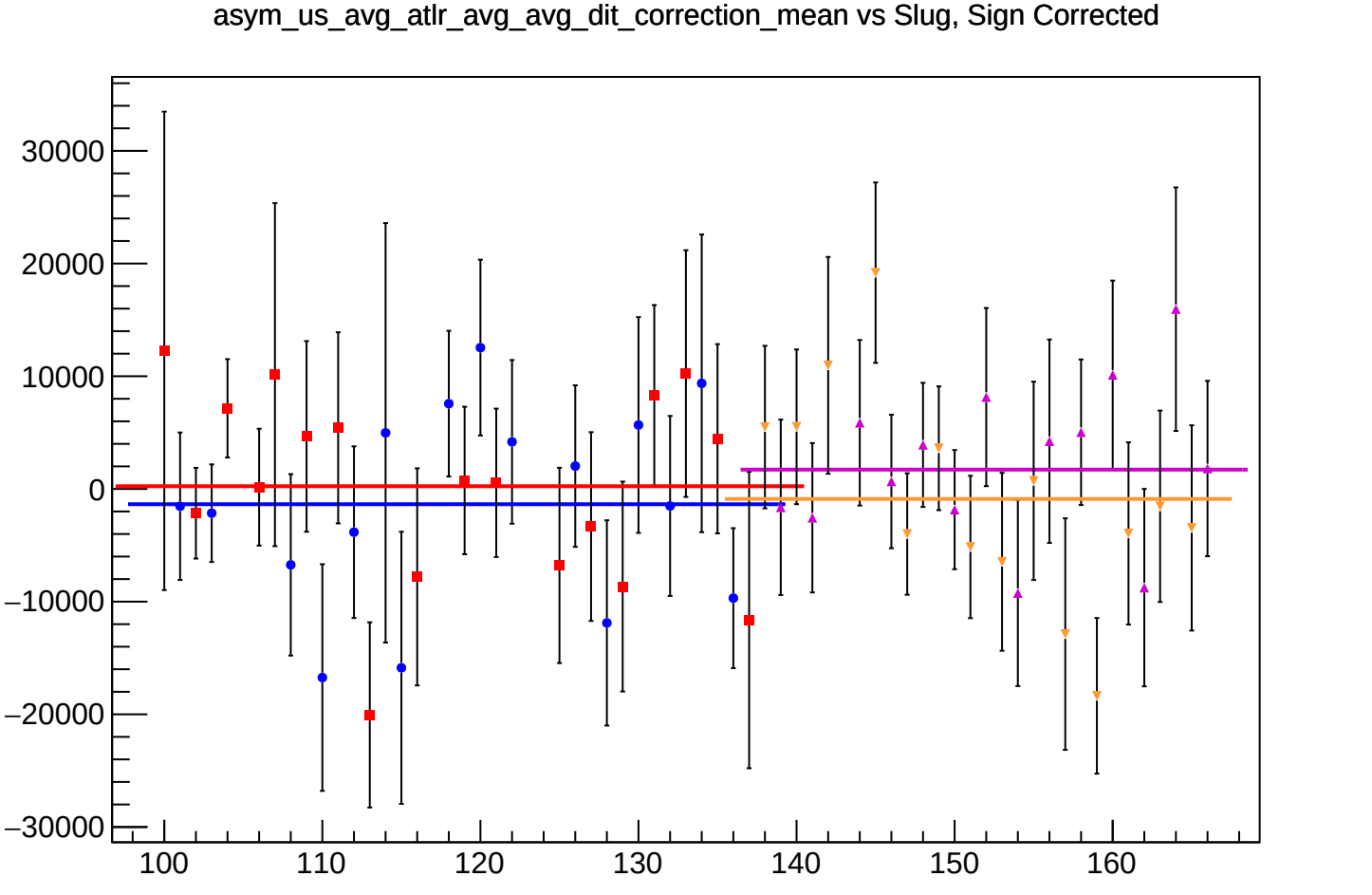
Left: 1879.490+/-0.280 χ^2/NDF: 28752.9/27

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1885.724+/-0.309 χ^2/NDF:292170.5/29

Out: 1890.389+/-0.315 χ^2/NDF:167505.3/31

All: 1888.013+/-0.221 χ^2/NDF: 459787.6/61



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -889.093+/-1960.434 χ^2/NDF:19.4/13

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1713.539+/-1908.814 χ^2/NDF:8.5/13

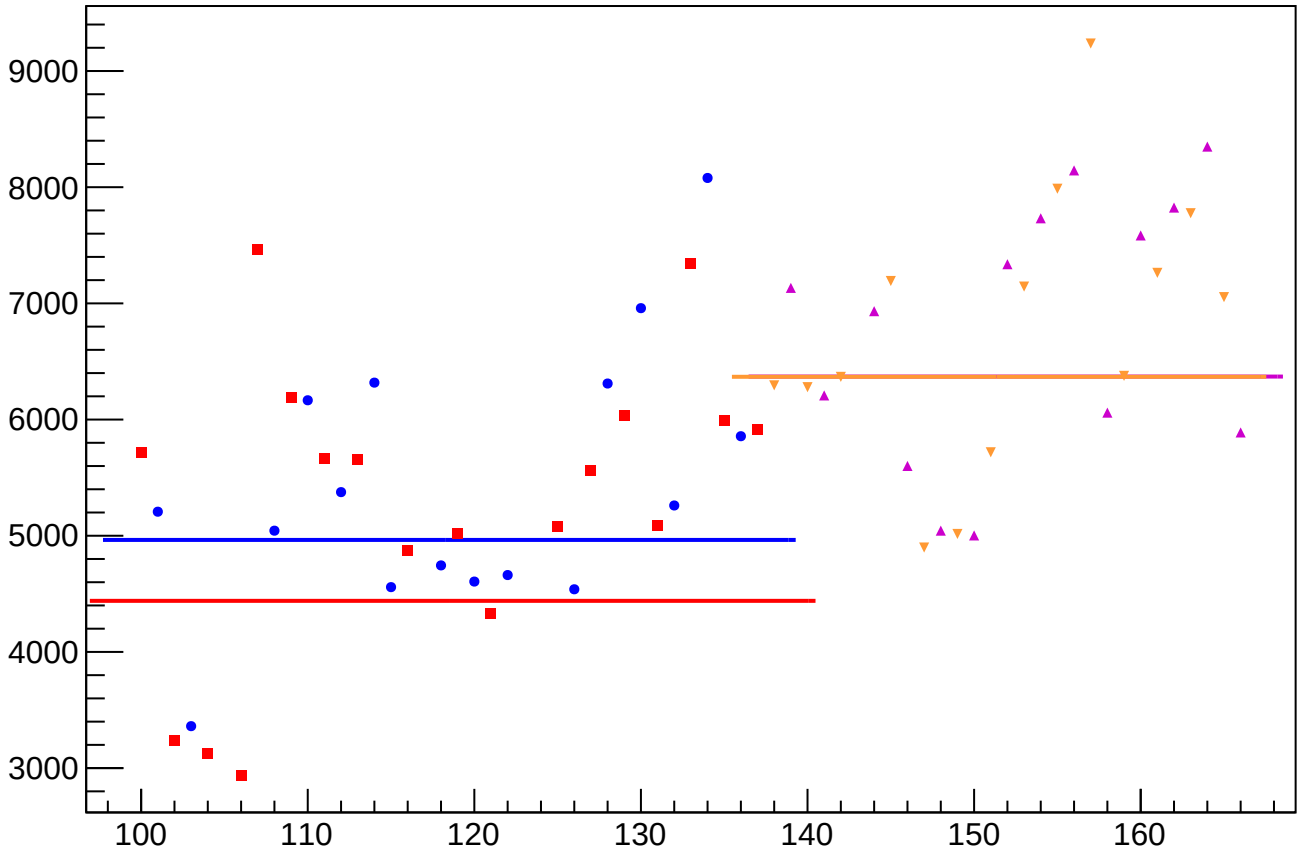
Left: 446.939+/-1367.621 χ^2/NDF: 28.9/27

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 168.114+/-1345.178 χ^2/NDF:24.5/29

Out: -248.080+/-1289.803 χ^2/NDF:35.4/31

All: -48.725+/-930.990 χ^2/NDF: 59.9/61



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6368.167+/-1.386 χ^2/NDF:646834.9/13

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6370.057+/-1.350 χ^2/NDF:654180.0/13

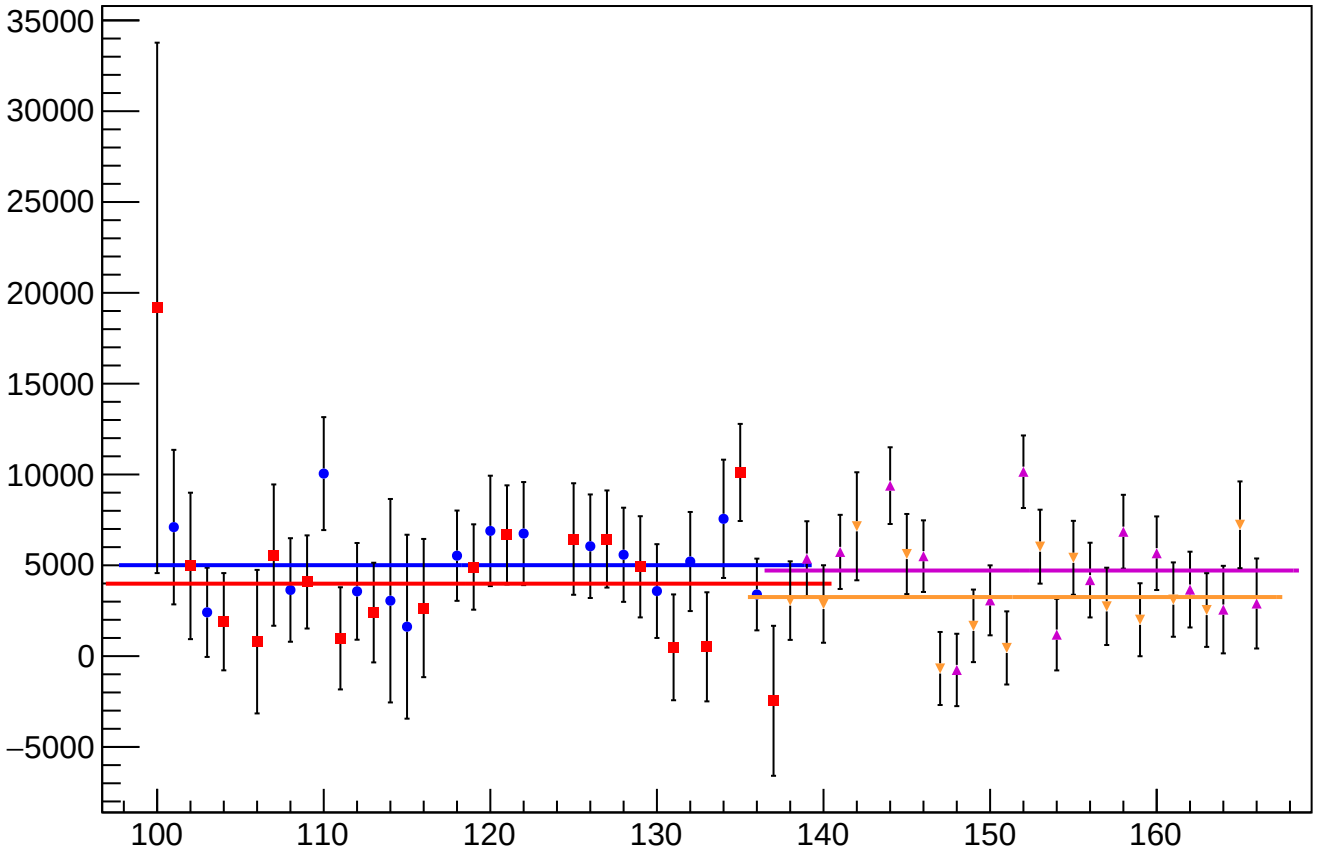
Left: 6369.137+/-0.967 χ^2/NDF: 1301015.9/27

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5662.288+/-0.951 χ^2/NDF:1827814.4/29

Out: 5274.432+/-0.912 χ^2/NDF:2902972.8/31

All: 5460.213+/-0.658 χ^2/NDF: 4817414.6/61



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.262+/-567.436 χ^2/NDF:15.6/13

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4713.171+/-552.613 χ^2/NDF:27.3/13

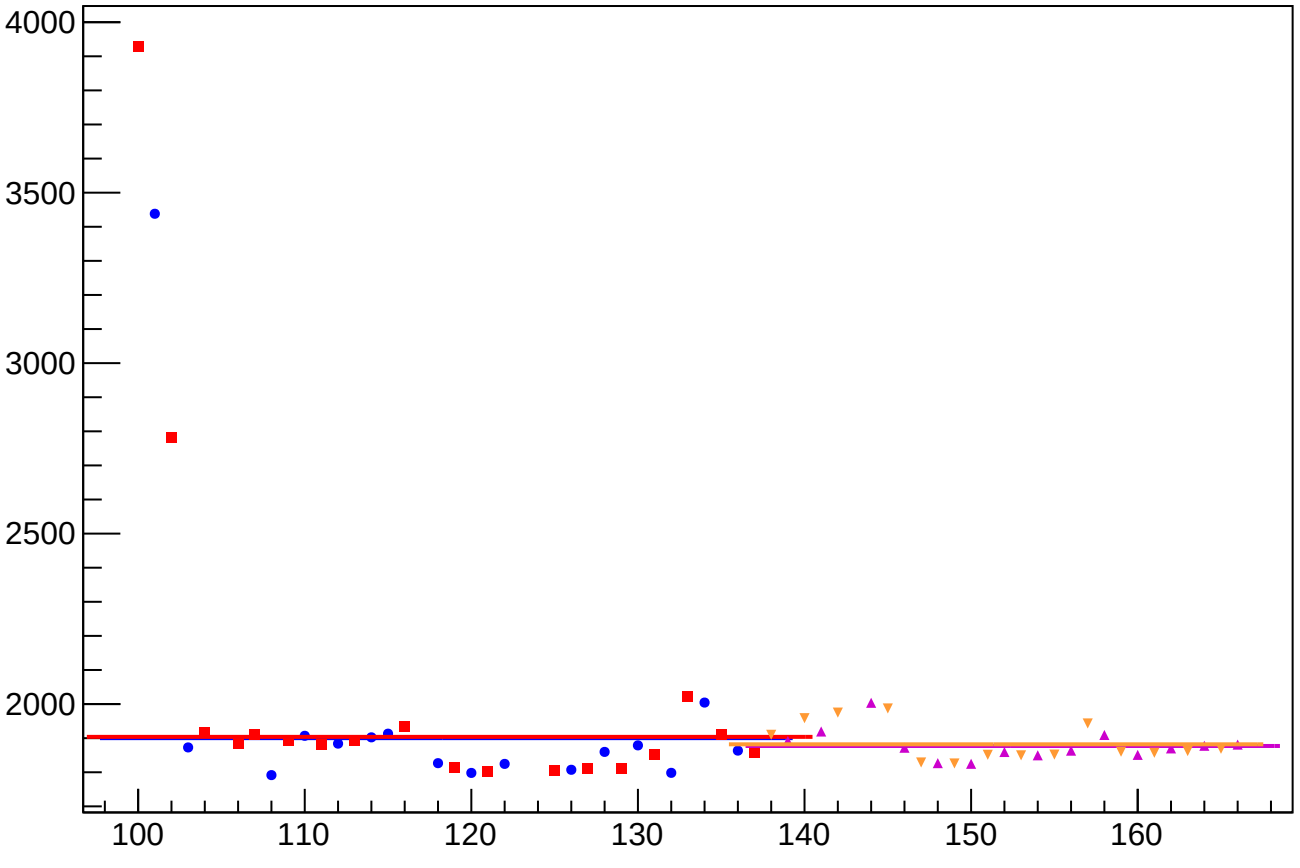
Left: 4002.047+/-395.893 χ^2/NDF: 46.3/27

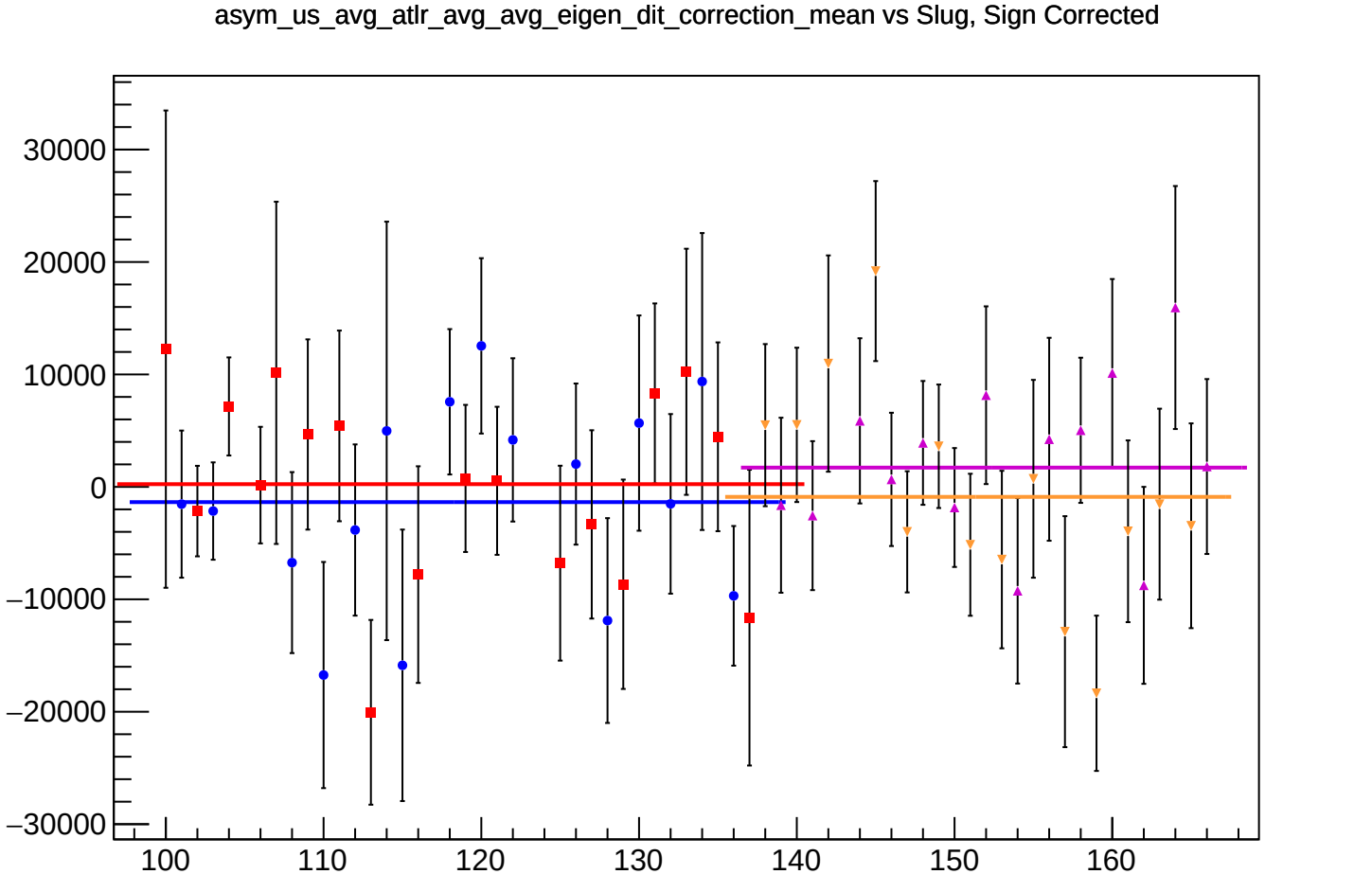
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4823.351+/-437.026 χ^2/NDF:35.1/29

Out: 3535.081+/-445.435 χ^2/NDF:33.7/31

All: 4191.491+/-311.955 χ^2/NDF: 73.0/61


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1882.004+/-0.401 χ²/NDF:16252.7/13
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1877.109+/-0.391 χ²/NDF:12424.2/13
Left: 1879.492+/-0.280 χ²/NDF: 28753.3/27
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1885.725+/-0.309 χ²/NDF:292170.6/29
Out: 1890.390+/-0.315 χ²/NDF:167504.5/31
All: 1888.014+/-0.221 χ²/NDF: 459787.0/61



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -889.102+/-1960.438 χ^2/NDF:19.4/13

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1713.539+/-1908.817 χ^2/NDF:8.5/13

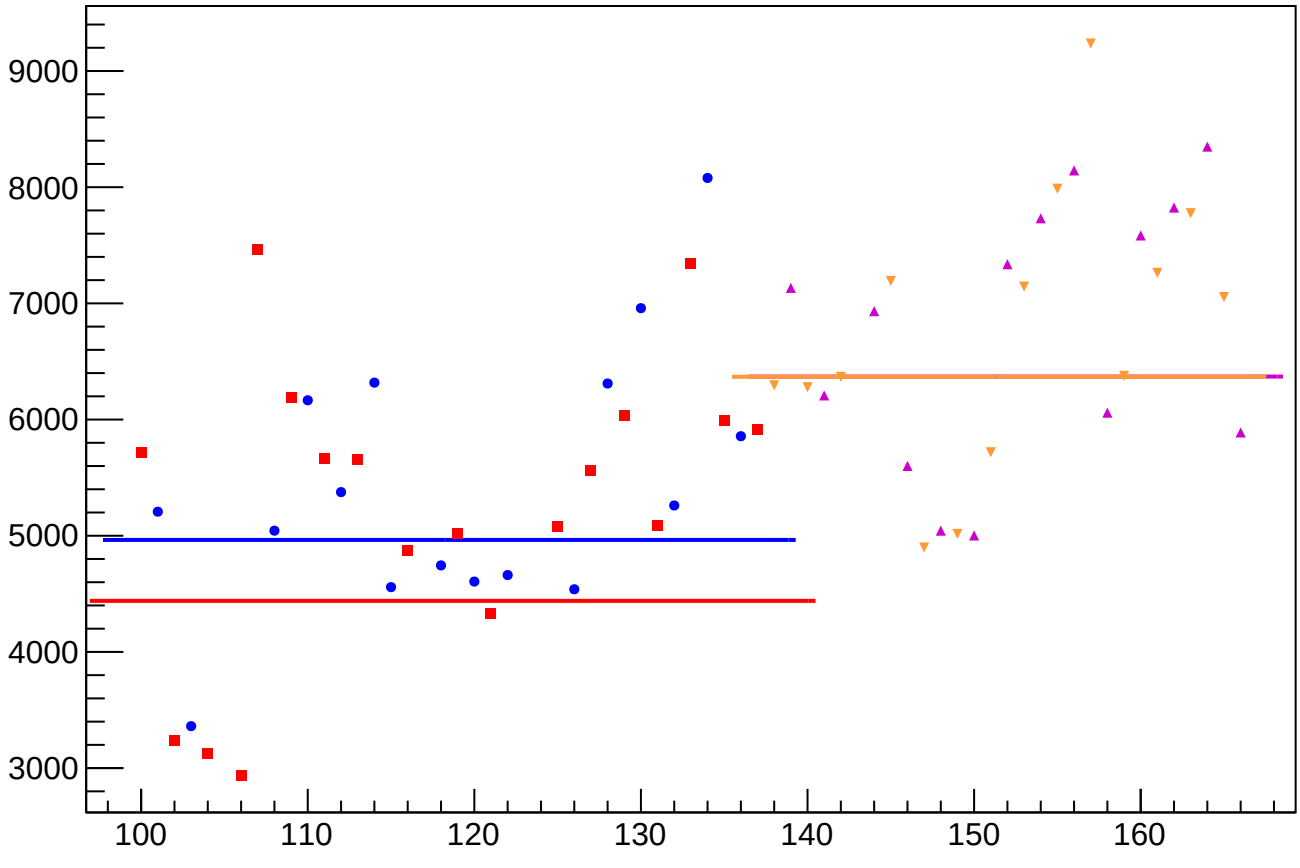
Left: 446.935+/-1367.623 χ^2/NDF: 28.9/27

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: 168.113+/-1345.178 χ^2/NDF:24.5/29

Out: -248.080+/-1289.802 χ^2/NDF:35.4/31

All: -48.726+/-930.989 χ^2/NDF: 59.9/61



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6368.176+/-1.386 χ^2/NDF:646837.3/13

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6370.067+/-1.350 χ^2/NDF:654181.3/13

Left: 6369.147+/-0.967 χ^2/NDF: 1301019.5/27

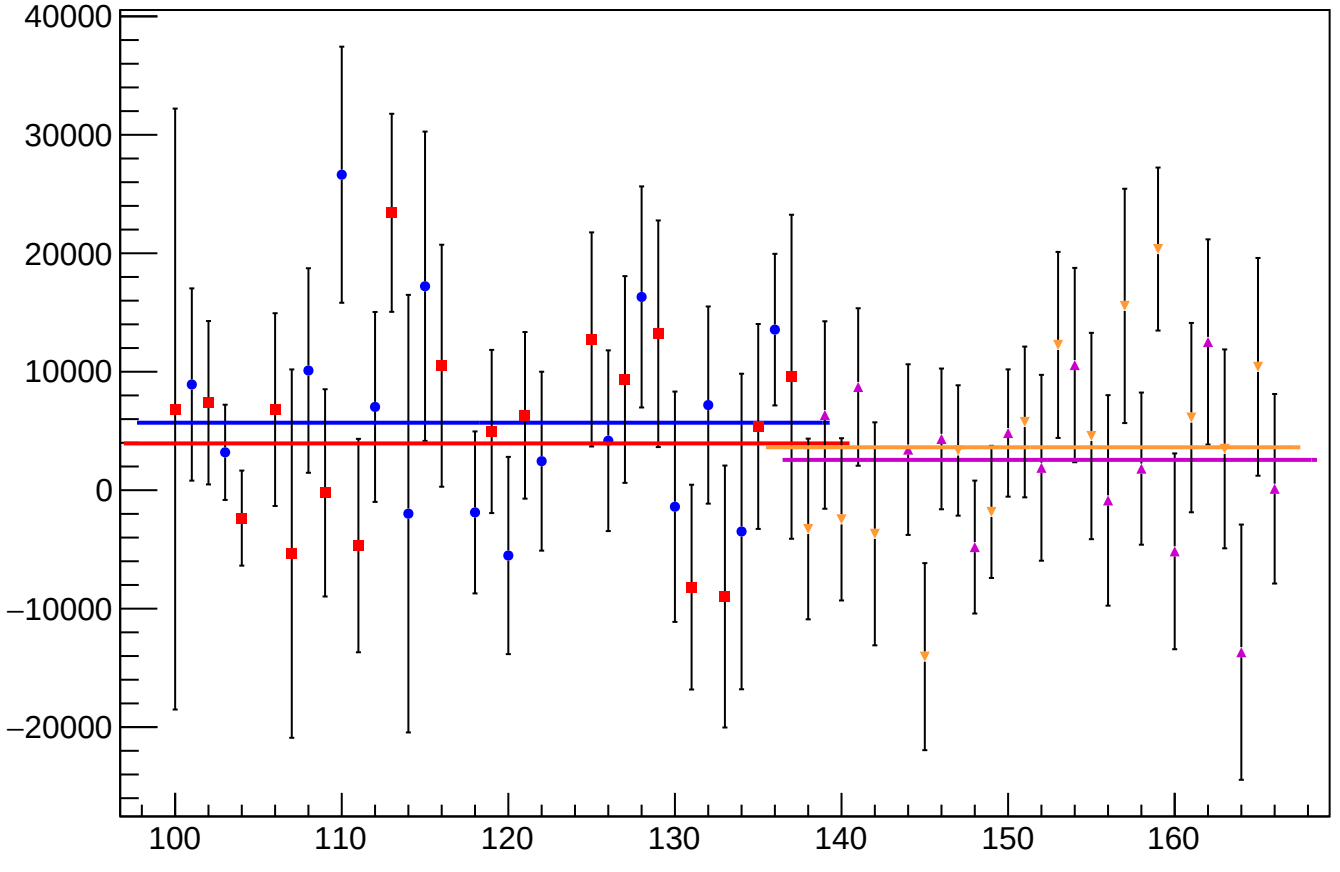
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5662.284+/-0.951 χ^2/NDF:1827836.4/29

Out: 5274.426+/-0.912 χ^2/NDF:2902999.2/31

All: 5460.207+/-0.658 χ^2/NDF: 4817463.9/61

asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3622.902+/-1968.221 χ^2/NDF:17.5/13

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2559.180+/-1914.473 χ^2/NDF:8.8/13

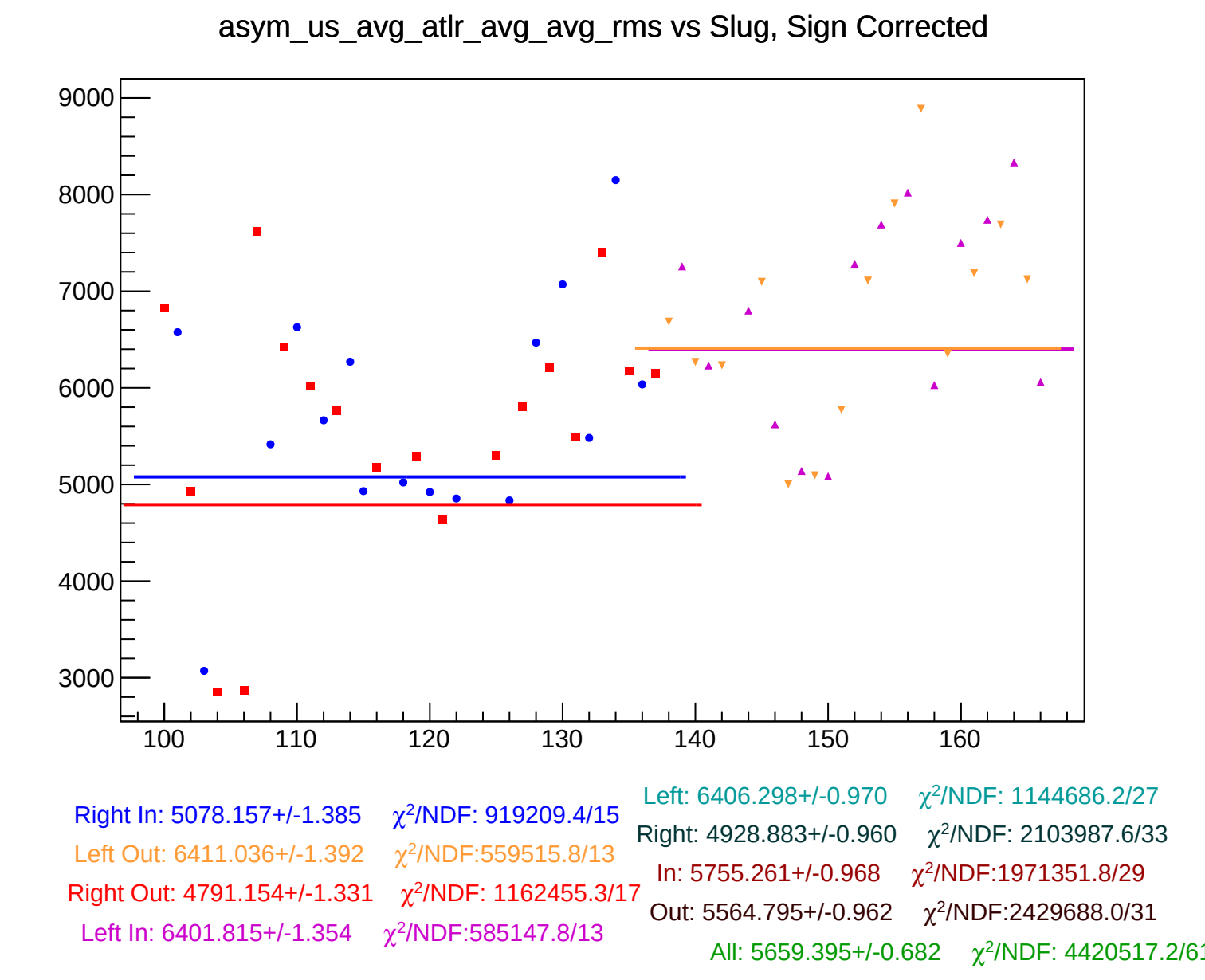
Left: 3076.319+/-1372.345 χ^2/NDF: 26.4/27

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

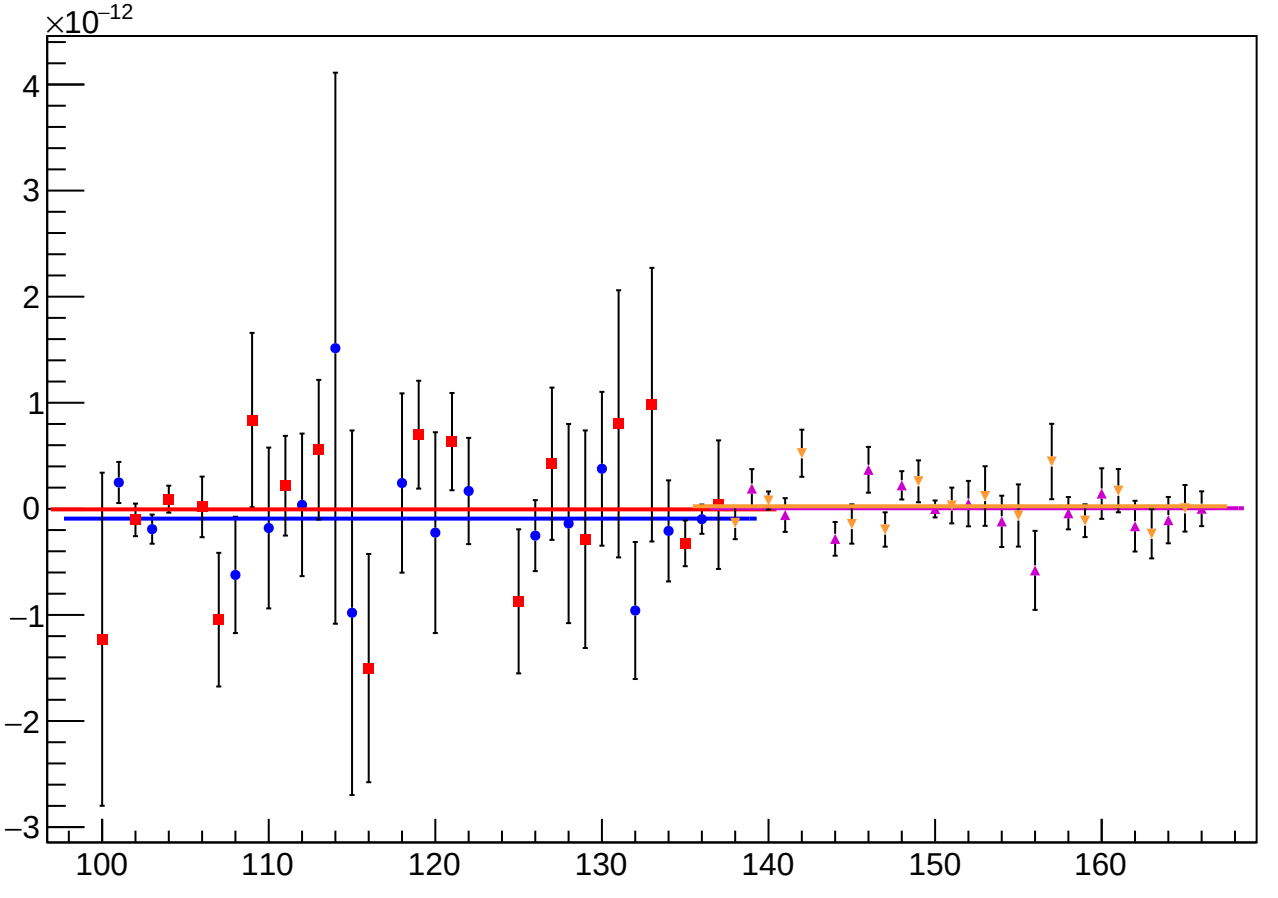
In: 4091.960+/-1369.281 χ^2/NDF:22.7/29

Out: 3790.147+/-1374.590 χ^2/NDF:33.7/31

All: 3941.637+/-970.100 χ^2/NDF: 56.4/61


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 5078.157+/-1.385 χ²/NDF: 919209.4/15
Left Out: 6411.036+/-1.392 χ²/NDF:559515.8/13
Right Out: 4791.154+/-1.331 χ²/NDF: 1162455.3/17
Left In: 6401.815+/-1.354 χ²/NDF:585147.8/13
Left: 6406.298+/-0.970 χ²/NDF: 1144686.2/27
Right: 4928.883+/-0.960 χ²/NDF: 2103987.6/33
In: 5755.261+/-0.968 χ²/NDF:1971351.8/29
Out: 5564.795+/-0.962 χ²/NDF:2429688.0/31
All: 5659.395+/-0.682 χ²/NDF: 4420517.2/61

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/13

Left: 0.000+/-0.000 χ^2/NDF: 28.7/27

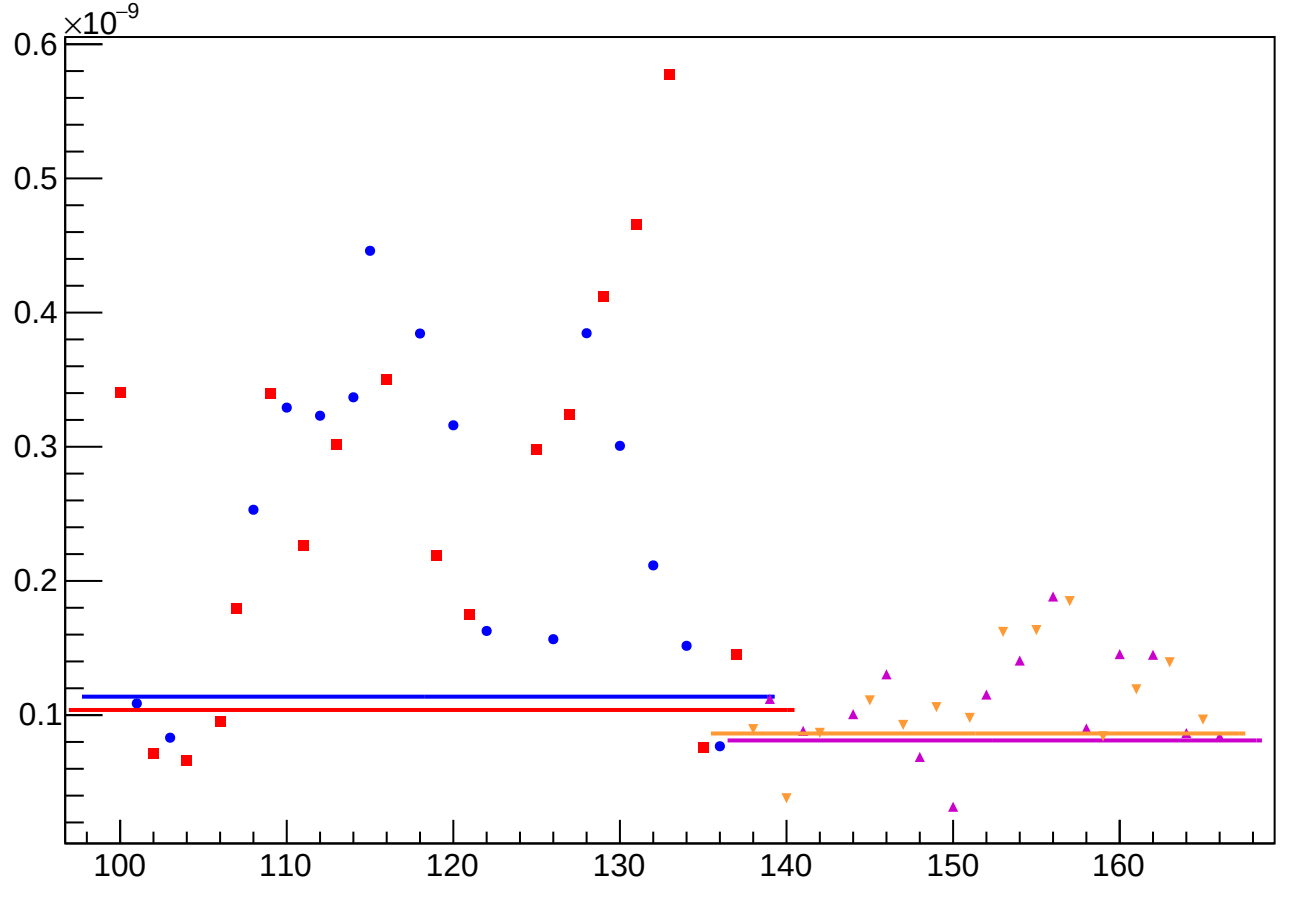
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:23.3/29

Out: 0.000+/-0.000 χ^2/NDF:32.2/31

All: -0.000+/-0.000 χ^2/NDF: 55.9/61

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1301602.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1613306.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2928207.7/27

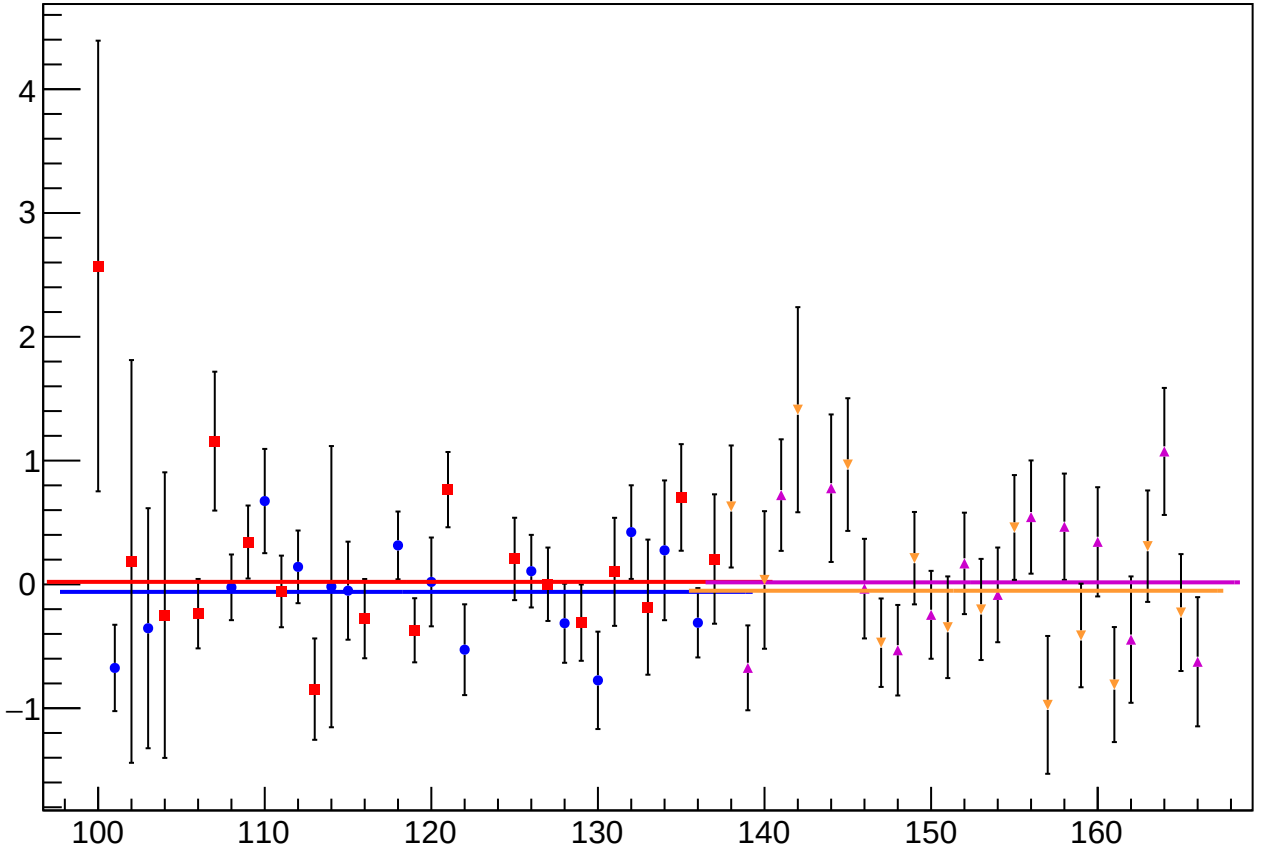
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3405763.7/29

Out: 0.000+/-0.000 χ^2/NDF:3464893.5/31

All: 0.000+/-0.000 χ^2/NDF: 6873444.3/61

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: -0.015+/-0.083 χ^2/NDF: 40.5/27

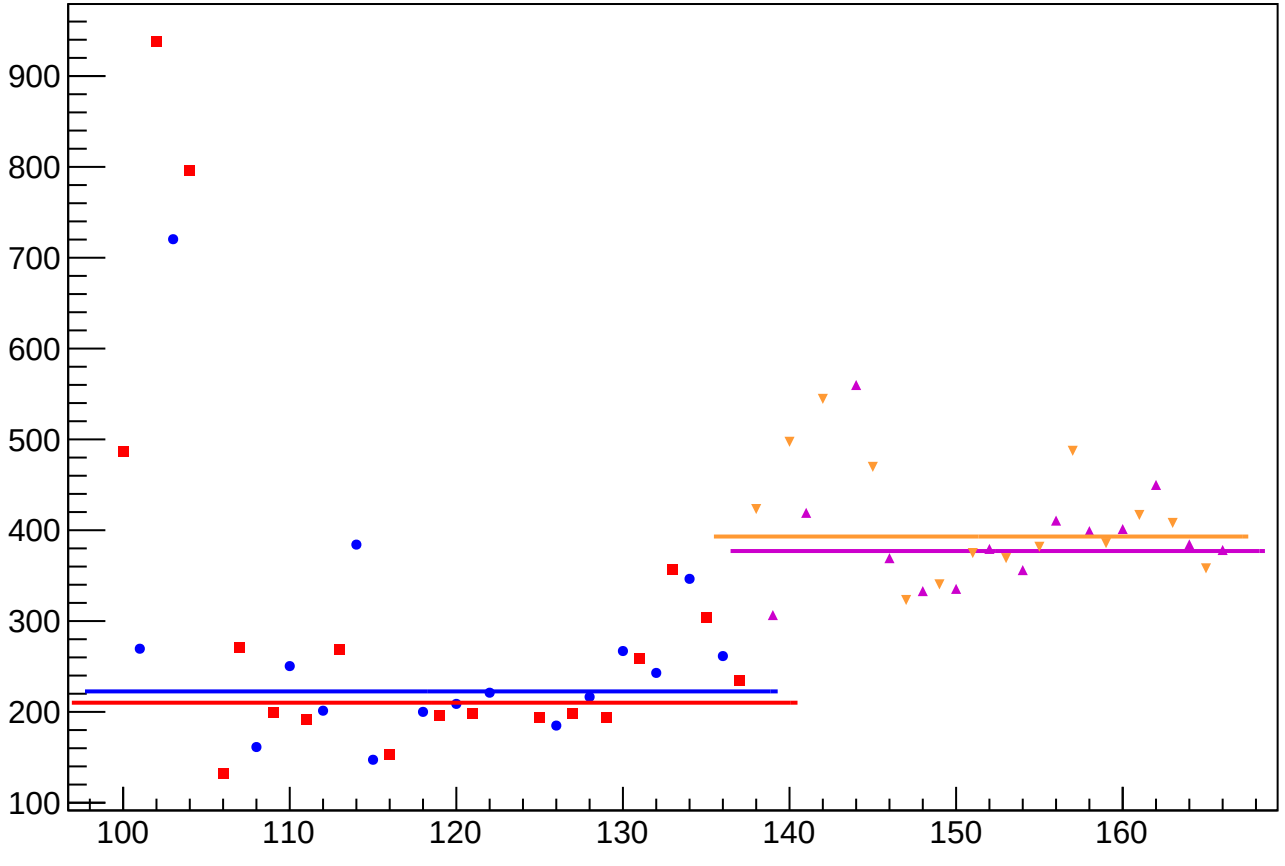
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.018+/-0.050 χ^2/NDF: 84.3/61

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.069+/-0.086 χ^2/NDF:390822.2/13

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.101+/-0.080 χ^2/NDF:416690.7/13

Left: 384.563+/-0.059 χ^2/NDF: 825931.9/27

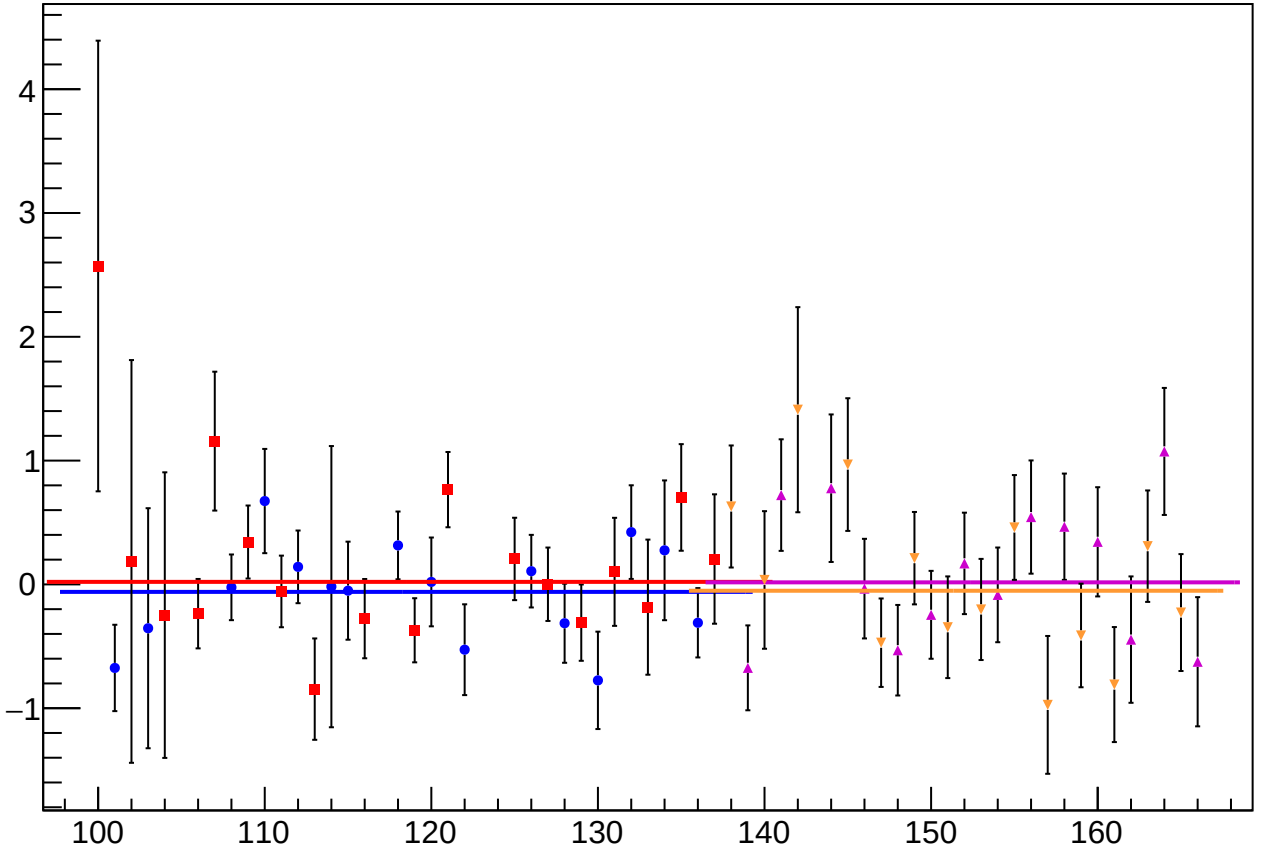
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 280.971+/-0.049 χ^2/NDF:3731841.9/29

Out: 272.579+/-0.050 χ^2/NDF:4928949.9/31

All: 276.836+/-0.035 χ^2/NDF: 8674984.0/61

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: -0.015+/-0.083 χ^2/NDF: 40.5/27

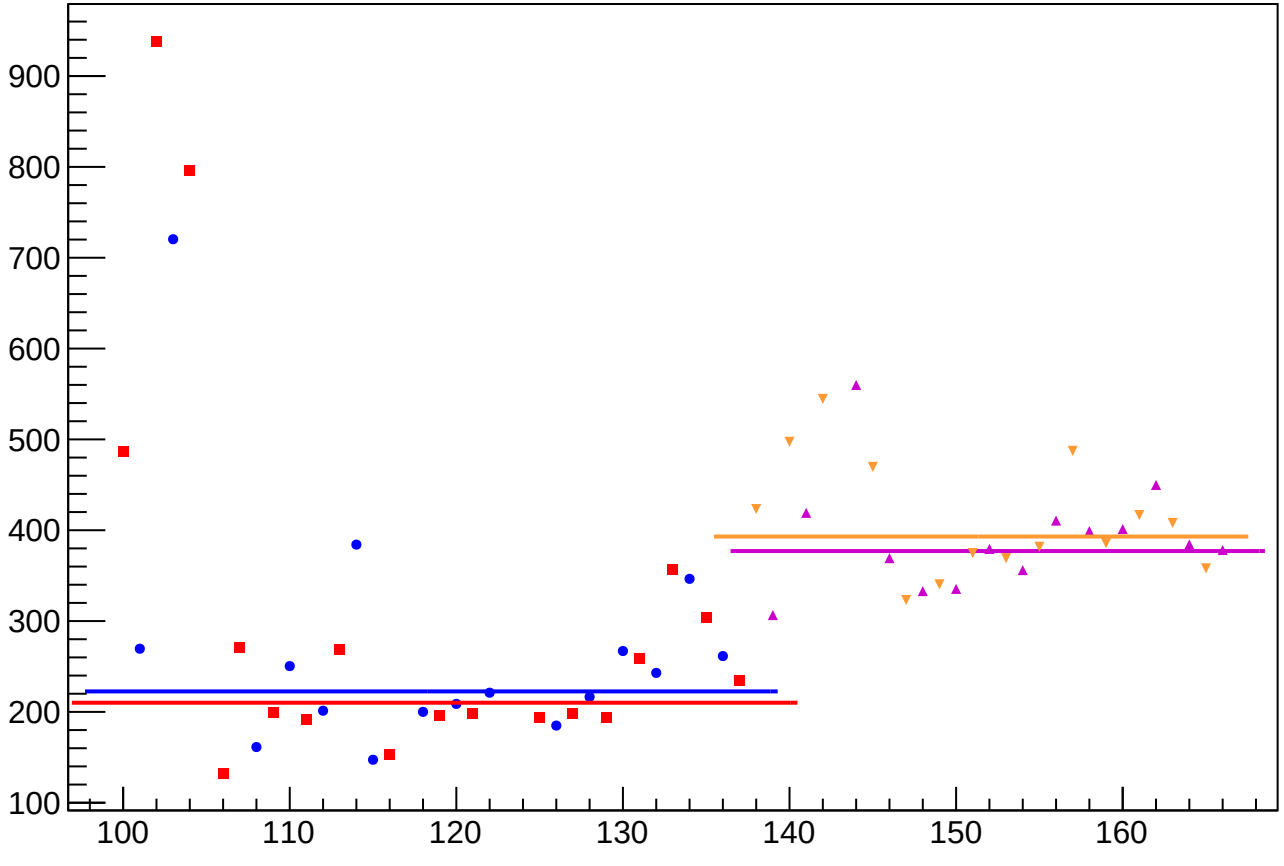
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.018+/-0.050 χ^2/NDF: 84.3/61

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.069+/-0.086 χ^2/NDF:390822.2/13

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.101+/-0.080 χ^2/NDF:416690.7/13

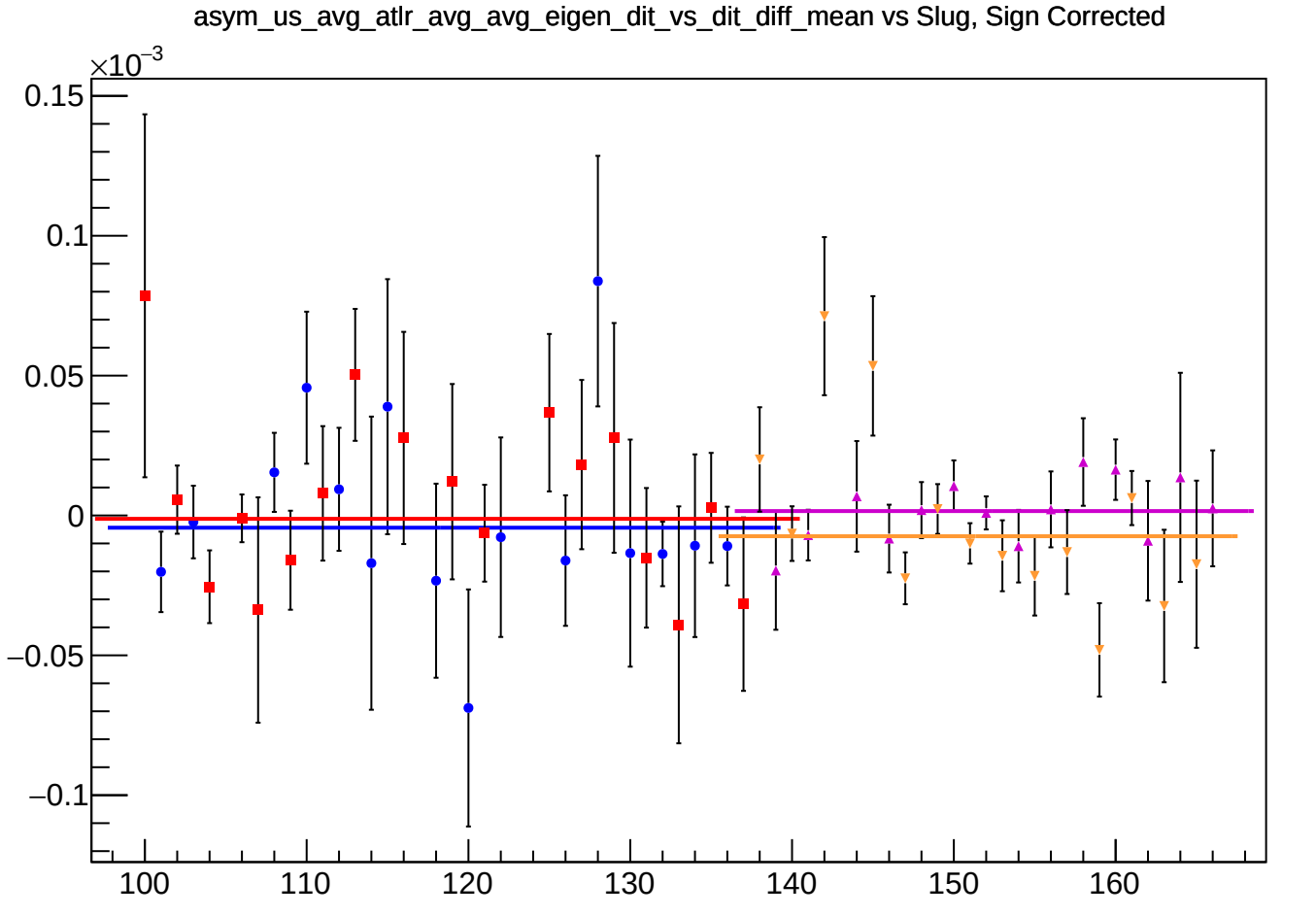
Left: 384.563+/-0.059 χ^2/NDF: 825931.9/27

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

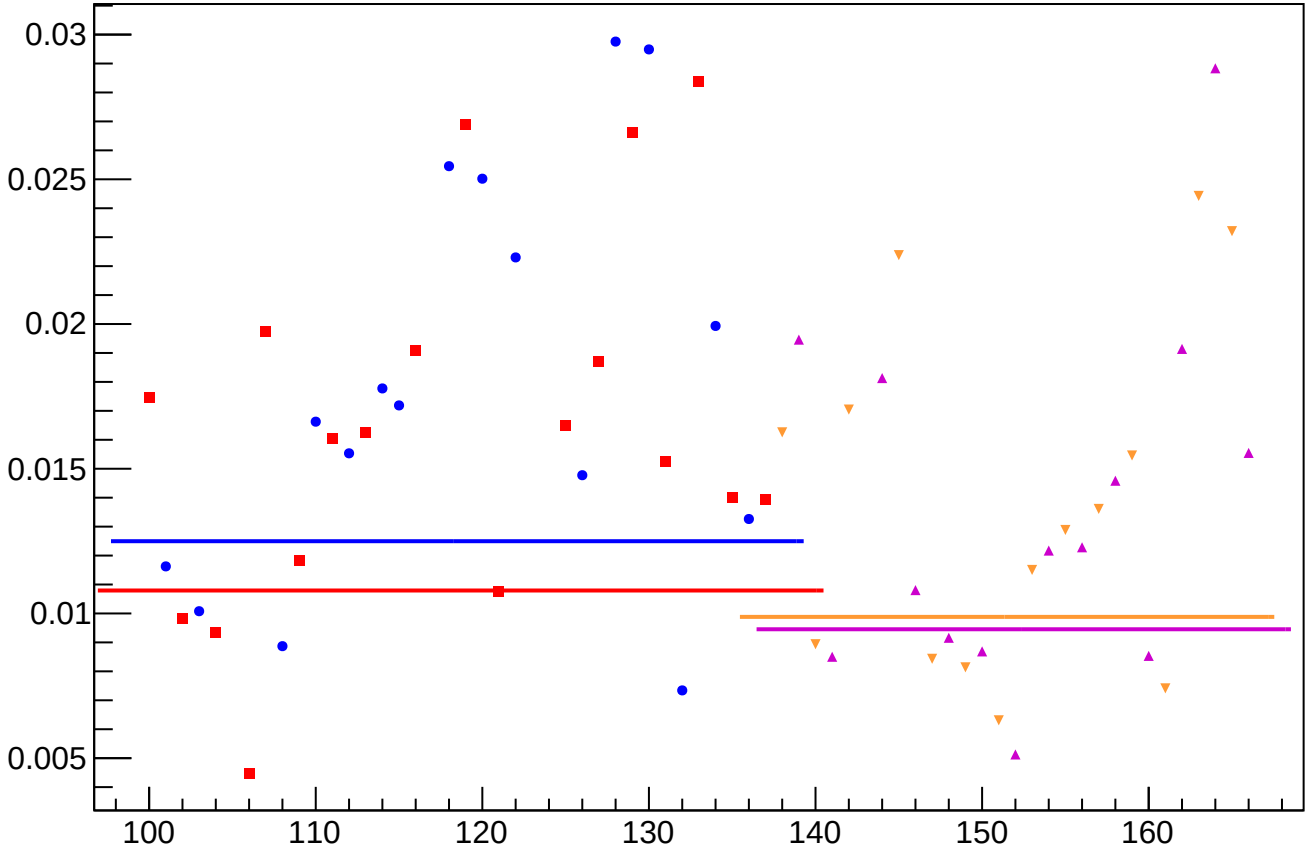
In: 280.971+/-0.049 χ^2/NDF:3731841.9/29

Out: 272.579+/-0.050 χ^2/NDF:4928949.9/31

All: 276.836+/-0.035 χ^2/NDF: 8674984.0/61


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.1/13
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:8.0/13
Left: -0.000+/-0.000 χ²/NDF: 42.1/27
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:24.7/29
Out: -0.000+/-0.000 χ²/NDF:48.6/31
All: -0.000+/-0.000 χ²/NDF: 75.2/61

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:3064758.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:3491943.1/13

Left: 0.010+/-0.000 χ^2/NDF: 6574538.0/27

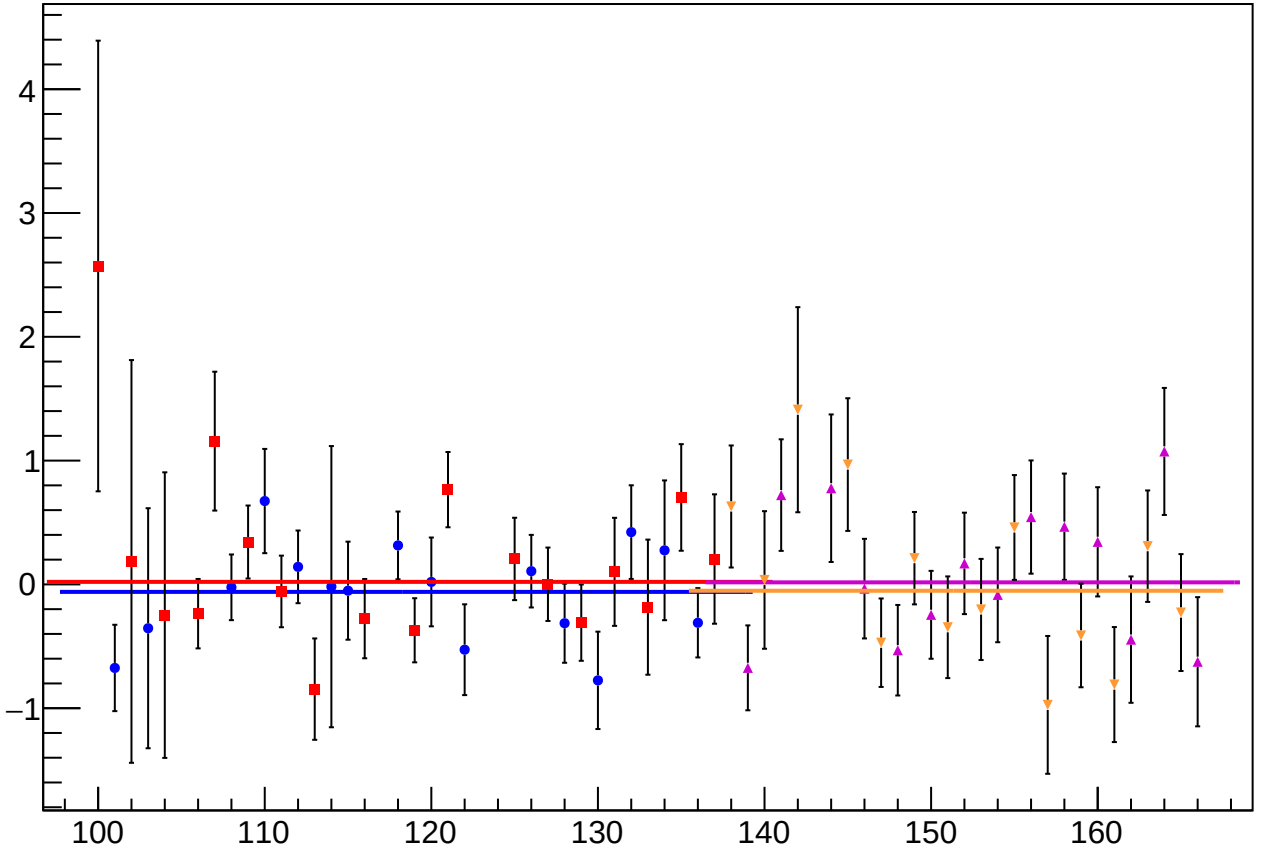
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:6128071.6/29

Out: 0.010+/-0.000 χ^2/NDF:6104662.4/31

All: 0.010+/-0.000 χ^2/NDF: 12233843.2/61

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: -0.015+/-0.083 χ^2/NDF: 40.5/27

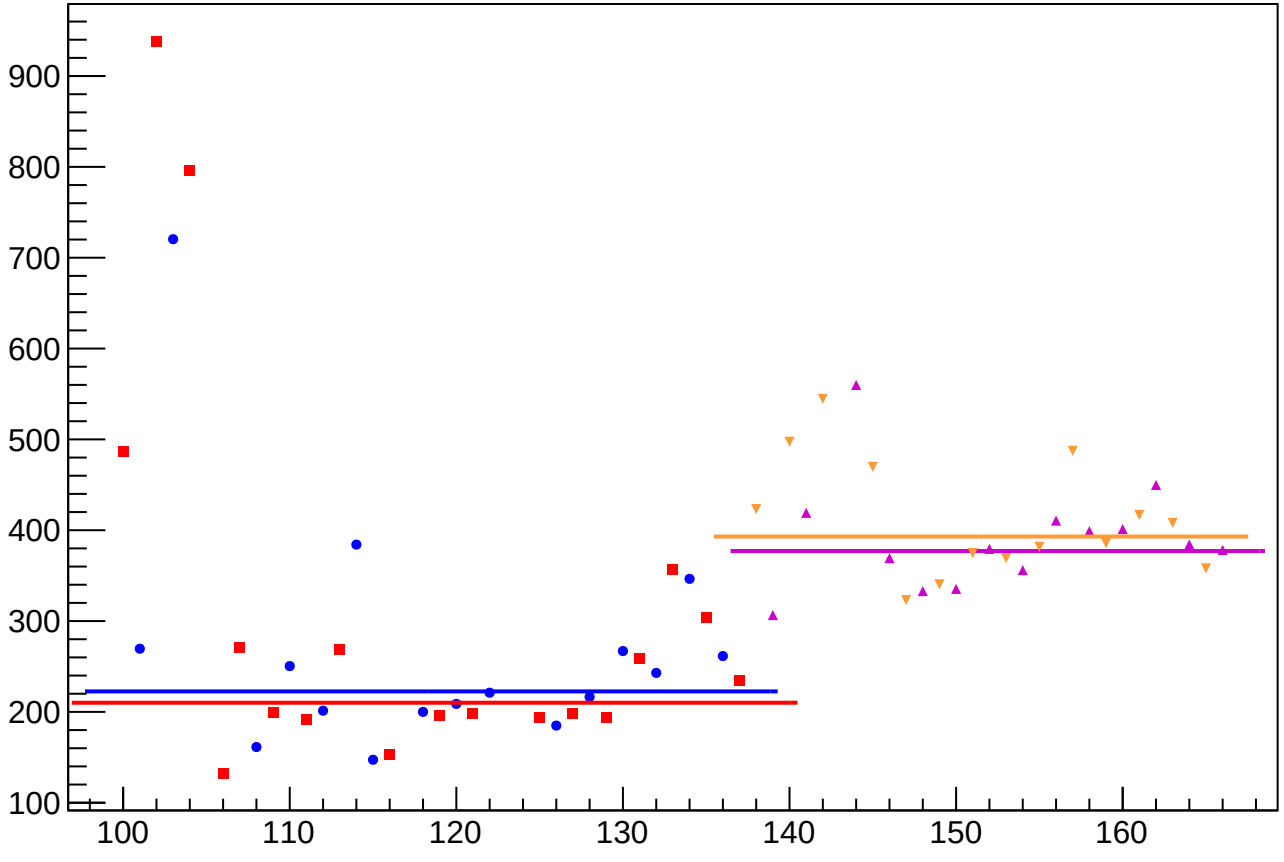
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.018+/-0.050 χ^2/NDF: 84.3/61

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.075+/-0.086 χ^2/NDF:390824.8/13

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.107+/-0.080 χ^2/NDF:416689.5/13

Left: 384.570+/-0.059 χ^2/NDF: 825933.4/27

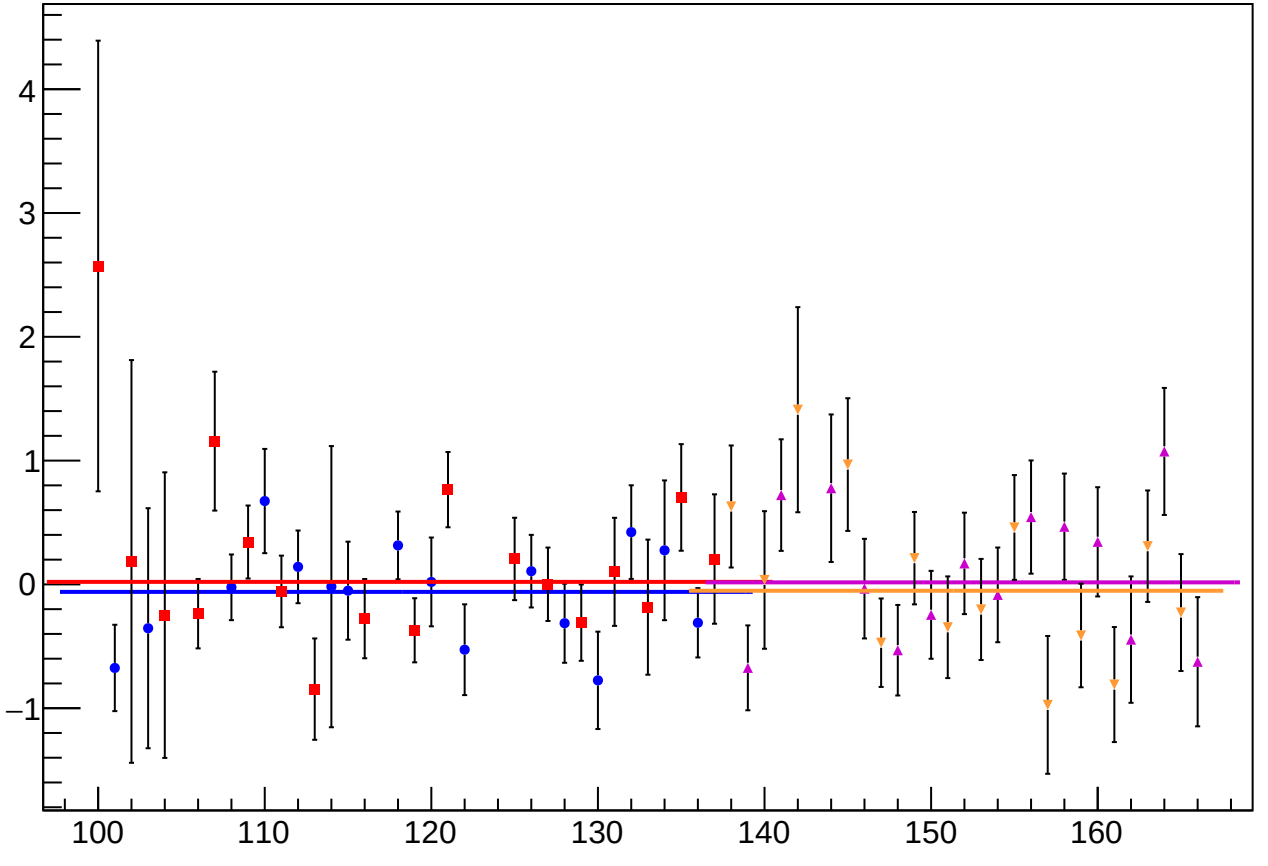
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 280.970+/-0.049 χ^2/NDF:3732028.6/29

Out: 272.577+/-0.050 χ^2/NDF:4929191.0/31

All: 276.835+/-0.035 χ^2/NDF: 8675416.4/61

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.017+/-0.114 χ^2/NDF:20.7/13

Left: -0.015+/-0.083 χ^2/NDF: 40.5/27

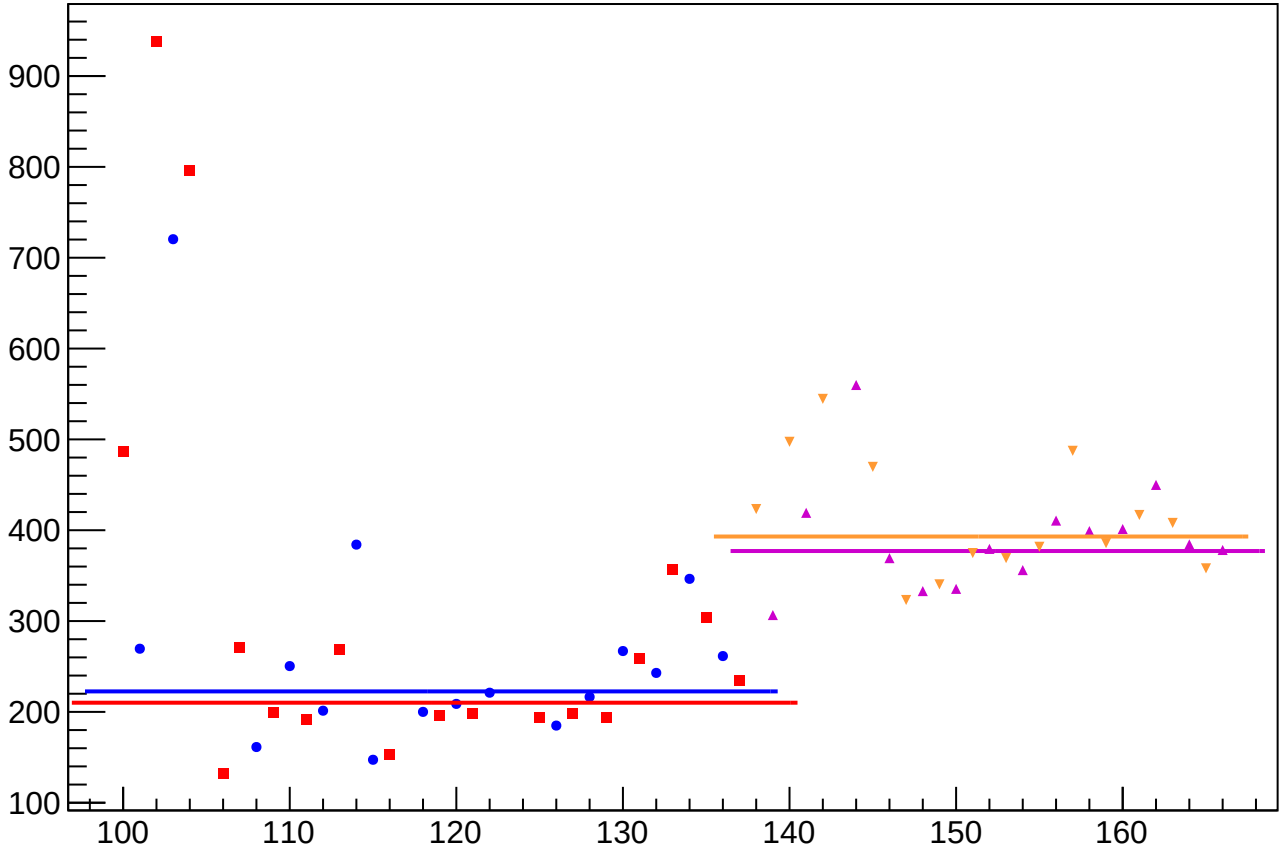
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.031+/-0.070 χ^2/NDF:38.3/29

Out: -0.004+/-0.071 χ^2/NDF:45.9/31

All: -0.018+/-0.050 χ^2/NDF: 84.3/61

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.075+/-0.086 χ^2/NDF:390824.8/13

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.107+/-0.080 χ^2/NDF:416689.5/13

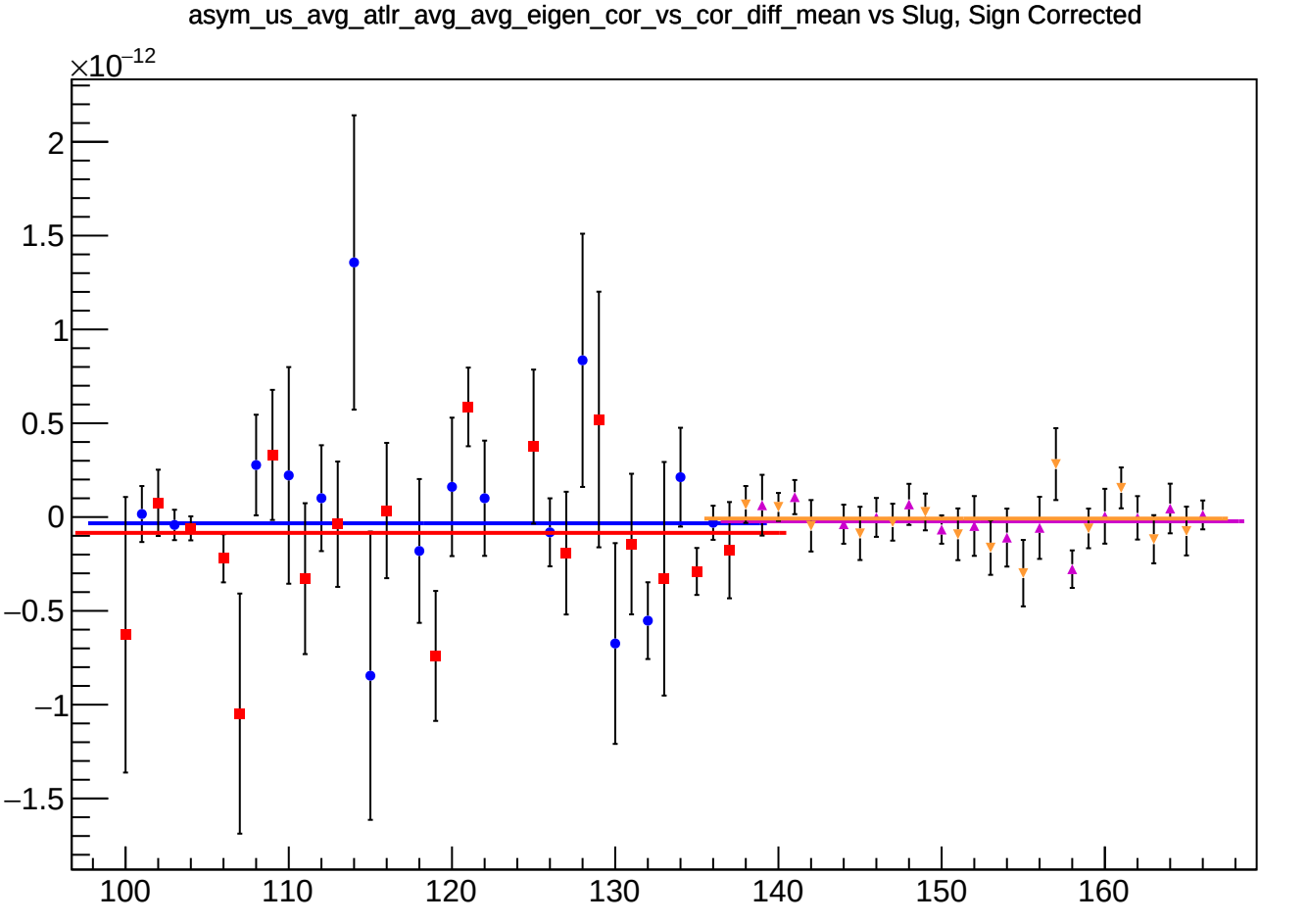
Left: 384.570+/-0.059 χ^2/NDF: 825933.4/27

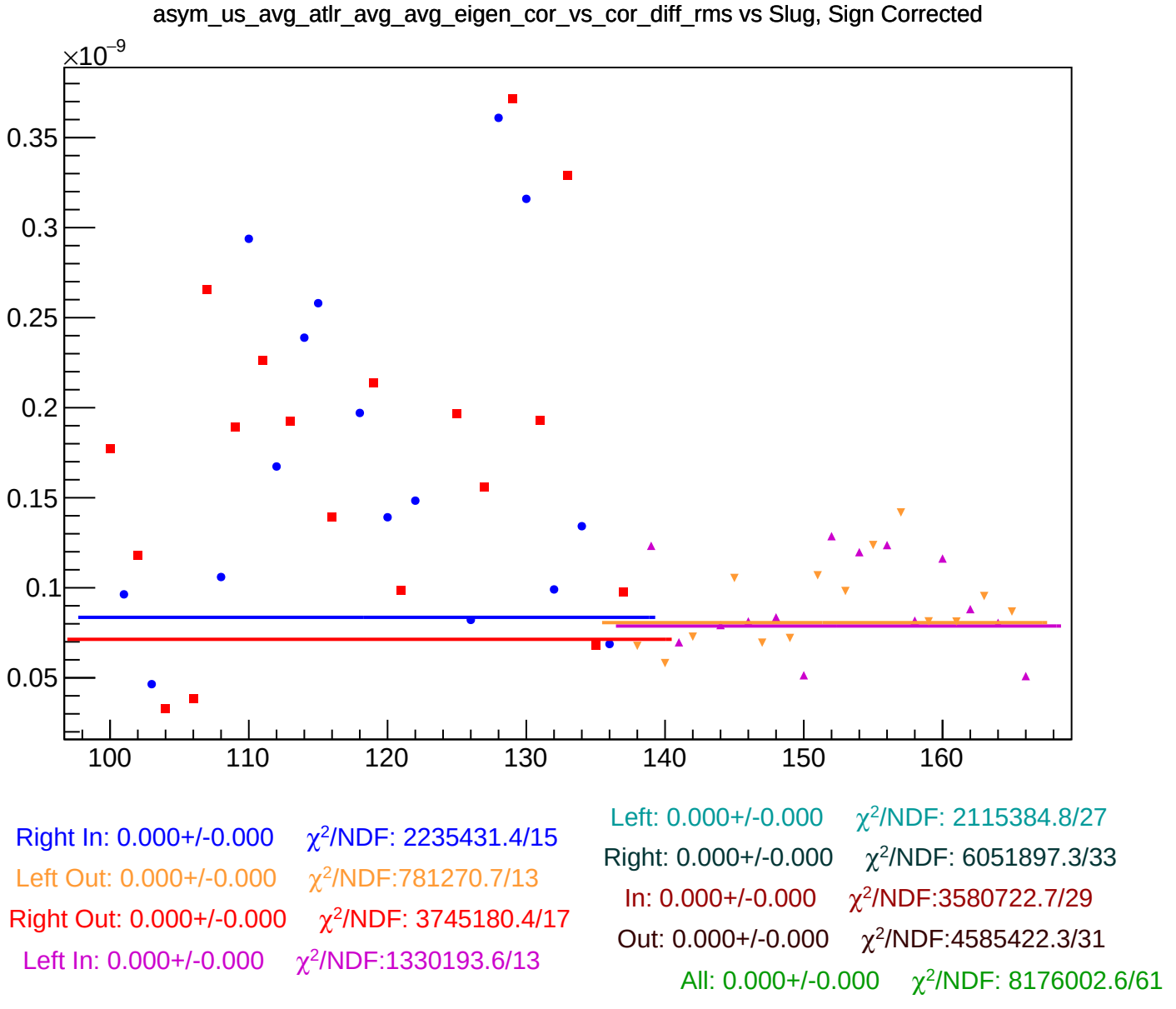
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

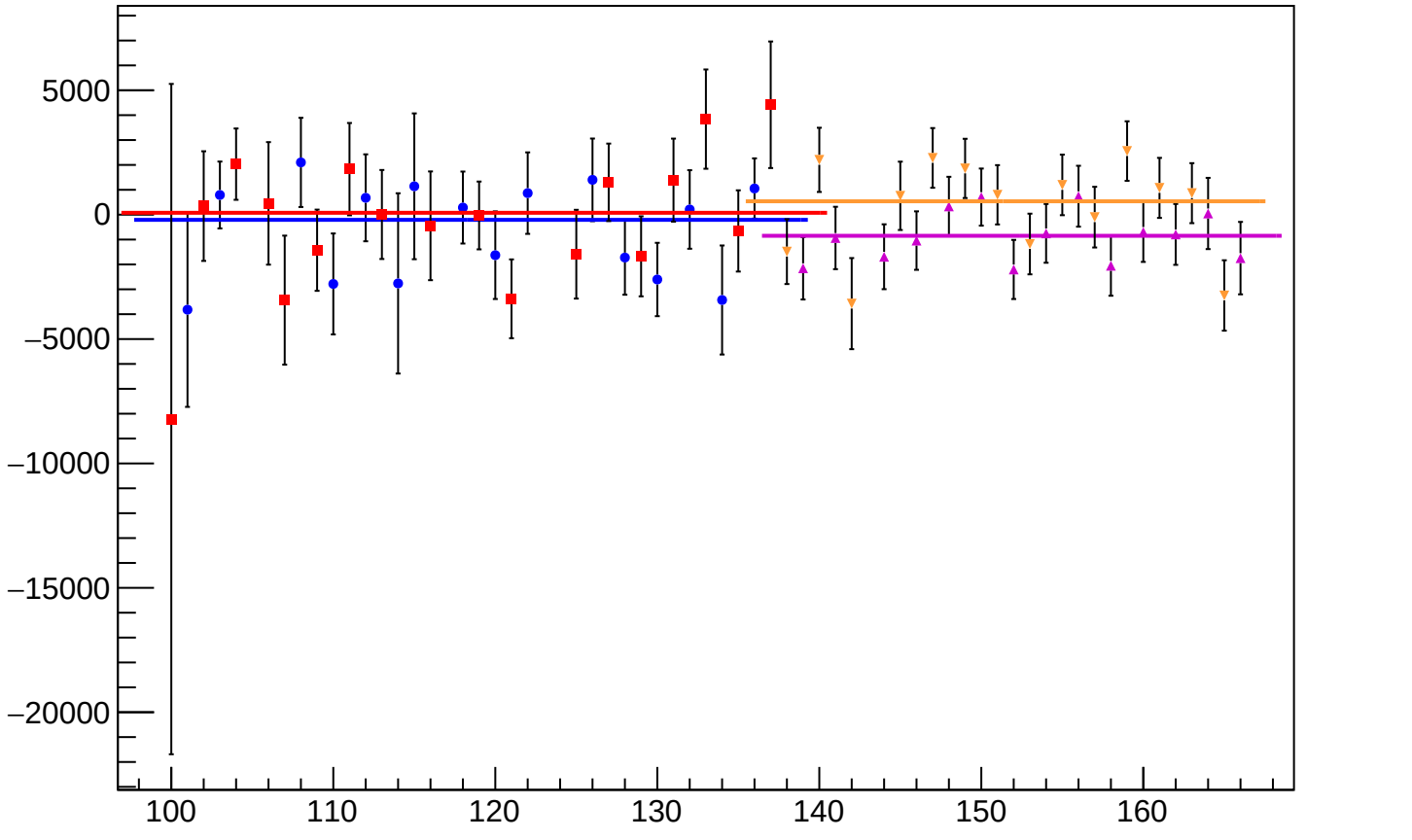
In: 280.970+/-0.049 χ^2/NDF:3732028.6/29

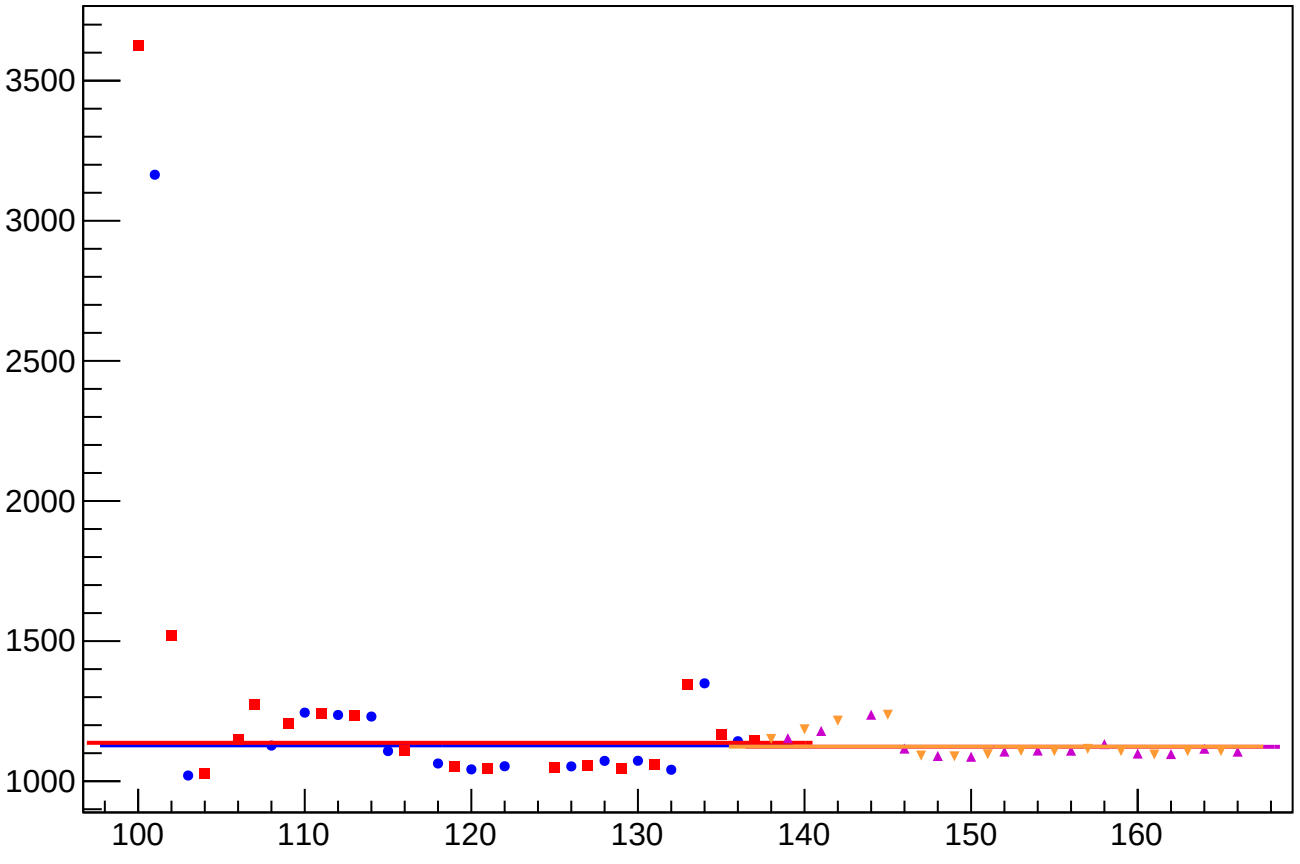
Out: 272.577+/-0.050 χ^2/NDF:4929191.0/31

All: 276.835+/-0.035 χ^2/NDF: 8675416.4/61


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:11.8/13
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:10.8/13
Left: -0.000+/-0.000 χ²/NDF: 22.7/27
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:28.0/29
Out: -0.000+/-0.000 χ²/NDF:39.7/31
All: -0.000+/-0.000 χ²/NDF: 67.8/61


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:781270.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1330193.6/13
Left: 0.000+/-0.000 χ²/NDF: 2115384.8/27
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3580722.7/29
Out: 0.000+/-0.000 χ²/NDF:4585422.3/31
All: 0.000+/-0.000 χ²/NDF: 8176002.6/61


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 537.940+/-338.760 χ²/NDF:25.4/13
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -848.903+/-330.585 χ²/NDF:9.1/13
Left: -172.417+/-236.596 χ²/NDF: 43.1/27
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -610.352+/-261.892 χ²/NDF:25.3/29
Out: 361.272+/-266.282 χ²/NDF:46.7/31
All: -132.614+/-186.718 χ²/NDF: 78.8/61



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1122.673+/-0.234 χ^2/NDF:27232.7/13

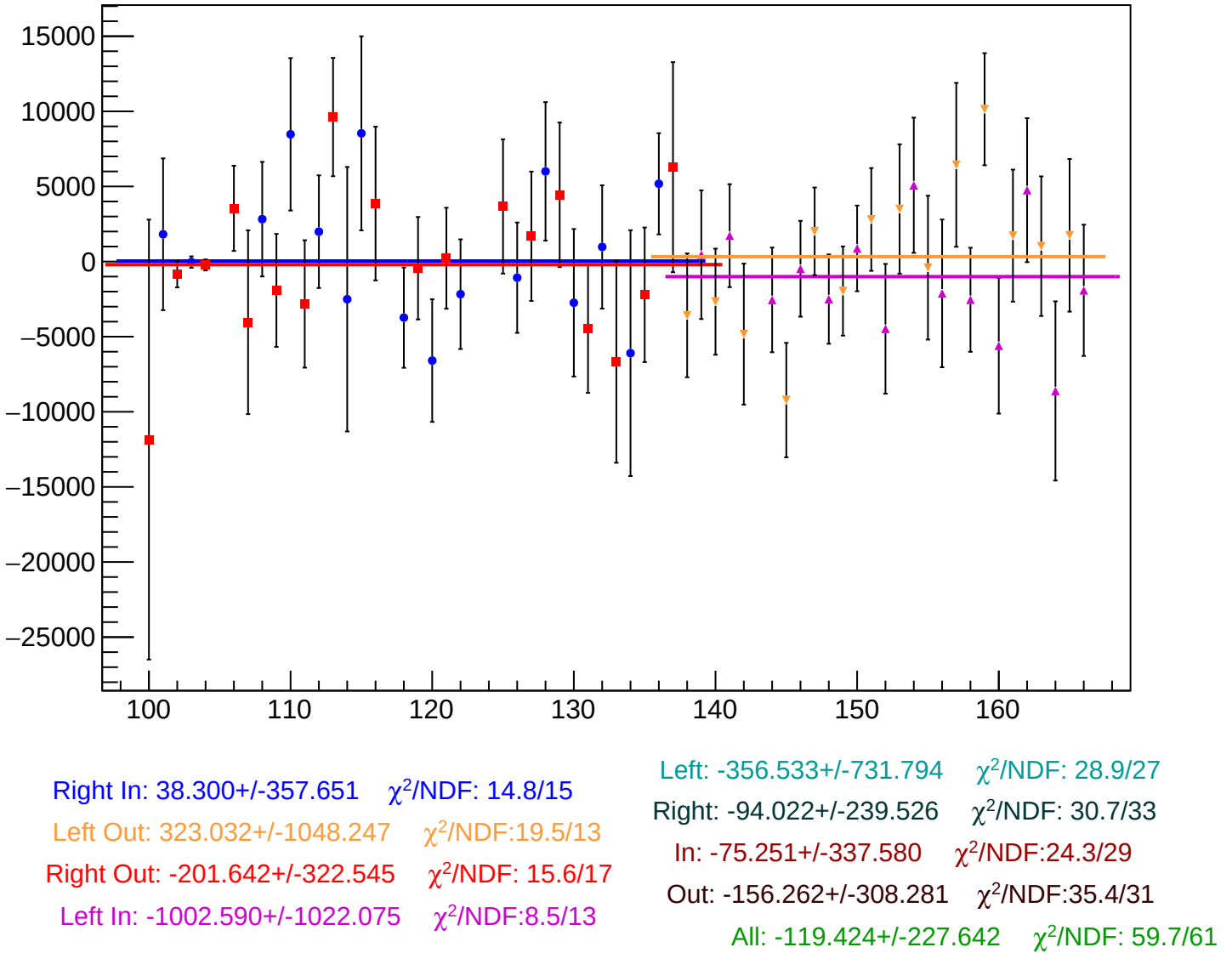
Left: 1122.992+/-0.167 χ^2/NDF: 58443.2/27

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

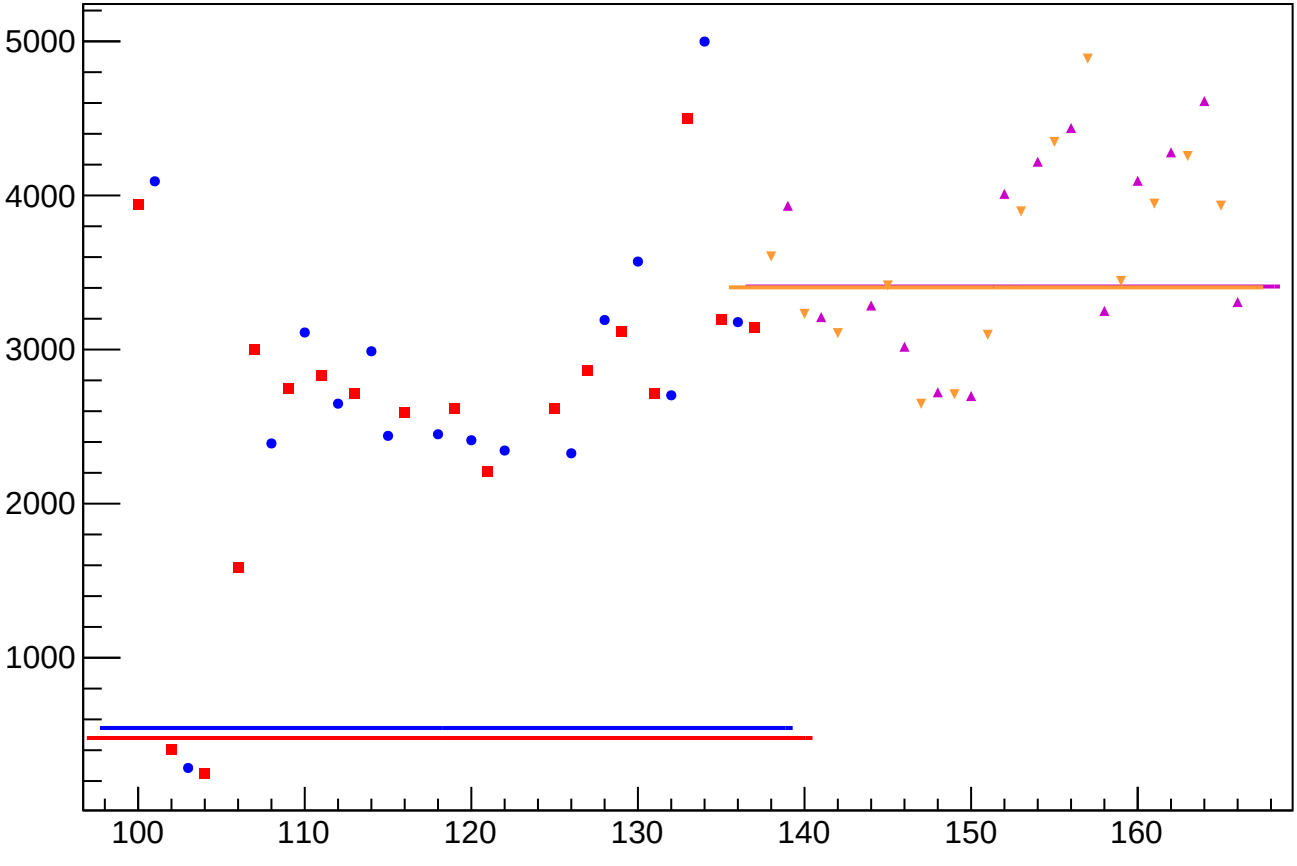
In: 1124.660+/-0.185 χ^2/NDF:648821.2/29

Out: 1128.579+/-0.188 χ^2/NDF:252548.2/31

All: 1126.588+/-0.132 χ^2/NDF: 901589.8/61


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 323.032+/-1048.247 χ²/NDF:19.5/13
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -1002.590+/-1022.075 χ²/NDF:8.5/13
Left: -356.533+/-731.794 χ²/NDF: 28.9/27
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -75.251+/-337.580 χ²/NDF:24.3/29
Out: -156.262+/-308.281 χ²/NDF:35.4/31
All: -119.424+/-227.642 χ²/NDF: 59.7/61

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3403.702+/-0.741 χ^2/NDF:649365.3/13

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3409.020+/-0.723 χ^2/NDF:689937.6/13

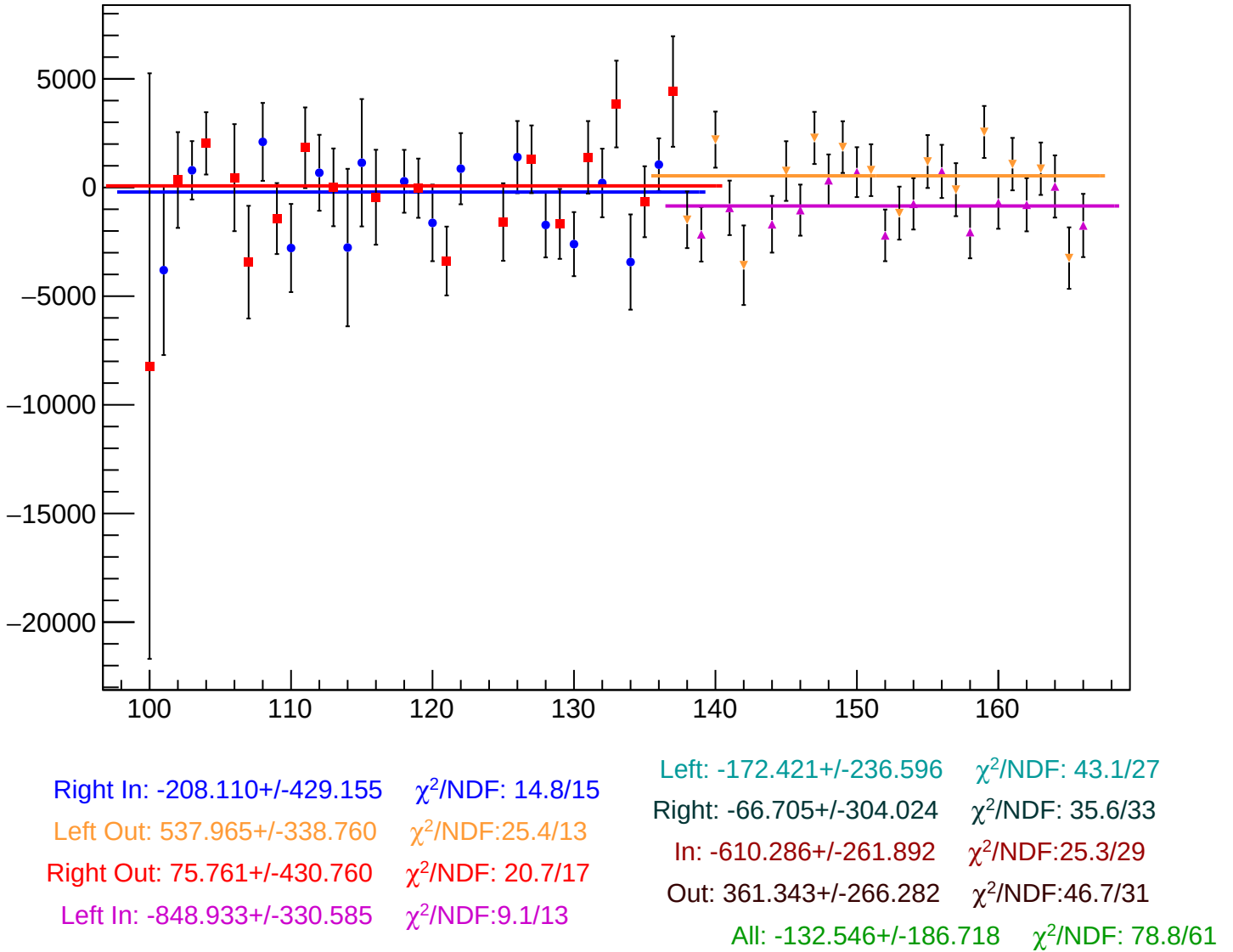
Left: 3406.429+/-0.517 χ^2/NDF: 1339329.3/27

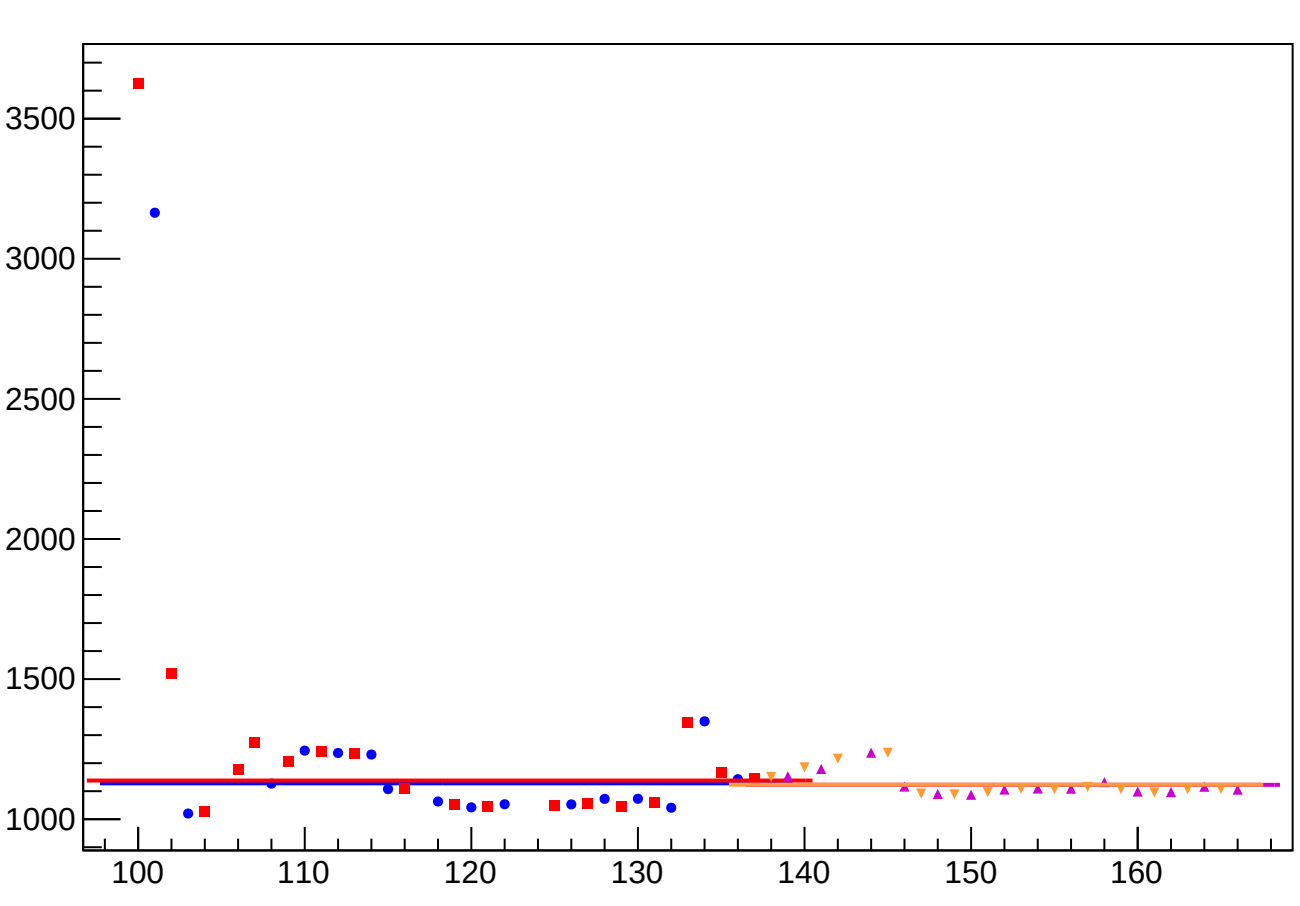
Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

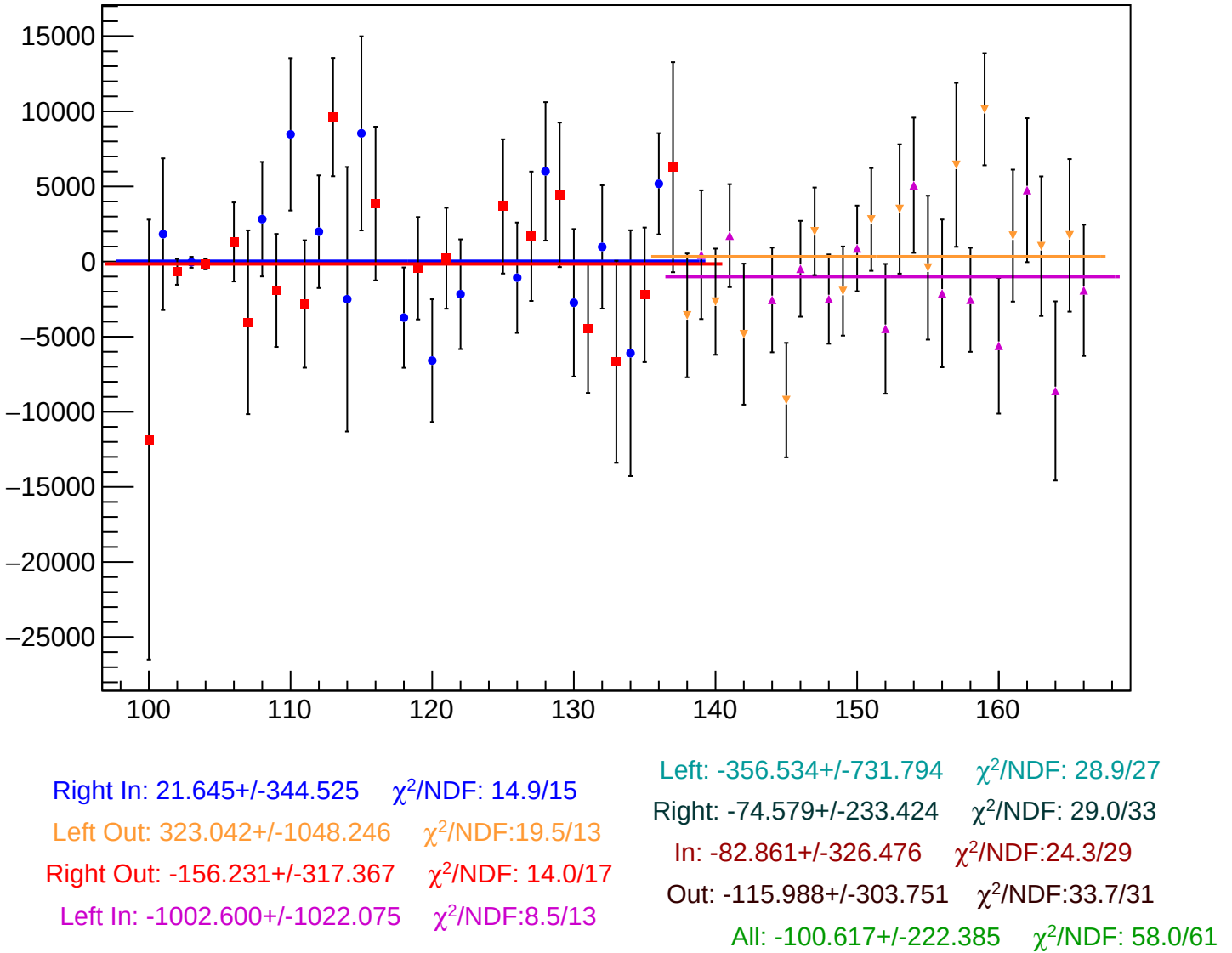
In: 856.846+/-0.239 χ^2/NDF:24370434.7/29

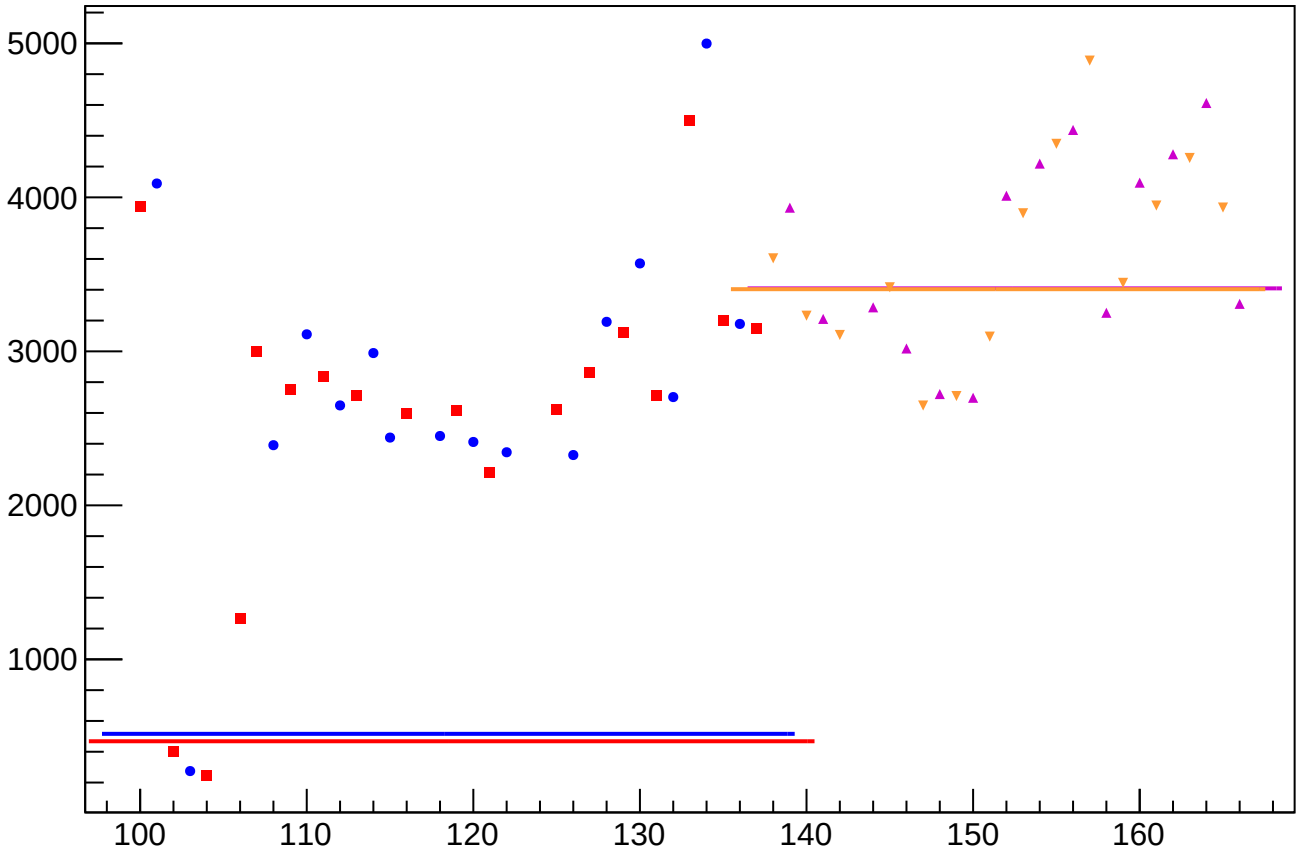
Out: 732.189+/-0.218 χ^2/NDF:24057517.4/31

All: 788.874+/-0.161 χ^2/NDF: 48576656.4/61


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 537.965+/-338.760 χ²/NDF:25.4/13
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -848.933+/-330.585 χ²/NDF:9.1/13
Left: -172.421+/-236.596 χ²/NDF: 43.1/27
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -610.286+/-261.892 χ²/NDF:25.3/29
Out: 361.343+/-266.282 χ²/NDF:46.7/31
All: -132.546+/-186.718 χ²/NDF: 78.8/61


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1123.327+/-0.240 χ²/NDF:31206.7/13
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1122.673+/-0.234 χ²/NDF:27232.7/13
Left: 1122.992+/-0.167 χ²/NDF: 58443.2/27
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1124.659+/-0.185 χ²/NDF:648822.3/29
Out: 1128.938+/-0.188 χ²/NDF:253265.9/31
All: 1126.763+/-0.132 χ²/NDF: 902350.7/61


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 323.042+/-1048.246 χ²/NDF:19.5/13
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -1002.600+/-1022.075 χ²/NDF:8.5/13
Left: -356.534+/-731.794 χ²/NDF: 28.9/27
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -82.861+/-326.476 χ²/NDF:24.3/29
Out: -115.988+/-303.751 χ²/NDF:33.7/31
All: -100.617+/-222.385 χ²/NDF: 58.0/61



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3409.018+/-0.723 χ^2/NDF:689942.0/13

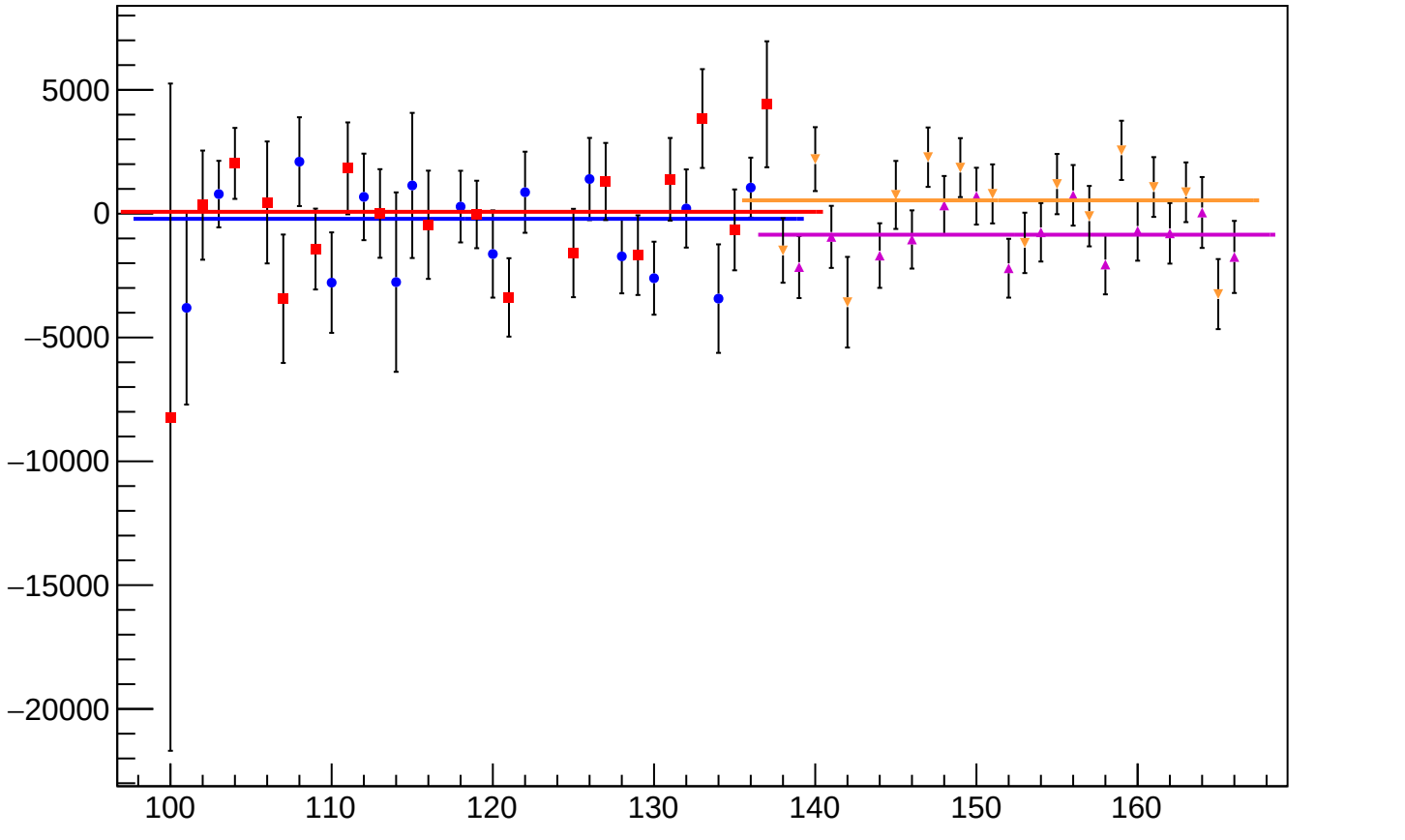
Left: 3406.427+/-0.517 χ^2/NDF: 1339337.6/27

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 811.448+/-0.231 χ^2/NDF:24910564.1/29

Out: 714.557+/-0.215 χ^2/NDF:24129393.6/31

All: 759.513+/-0.157 χ^2/NDF: 49134378.9/61



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.965+/-338.760 χ^2/NDF:25.4/13

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -848.933+/-330.585 χ^2/NDF:9.1/13

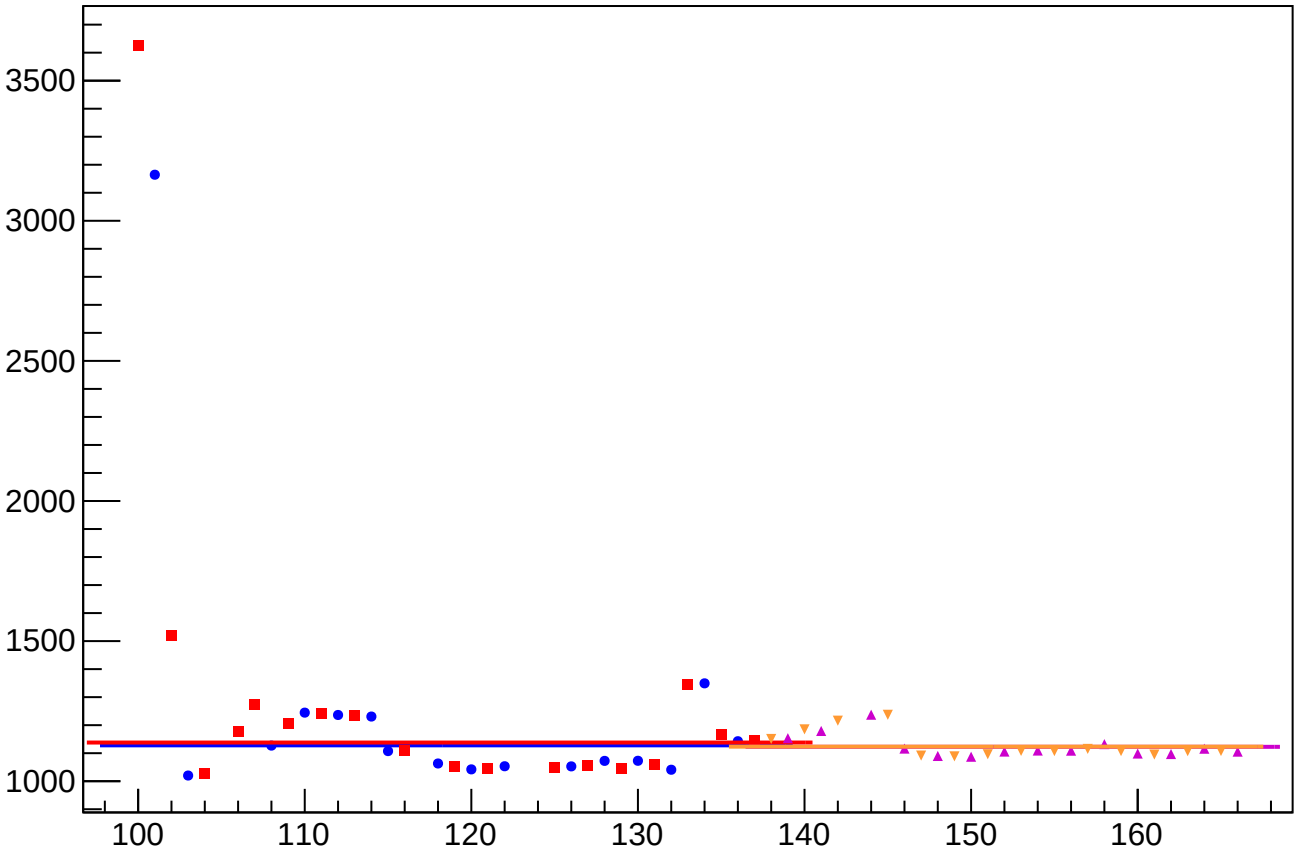
Left: -172.421+/-236.596 χ^2/NDF: 43.1/27

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -610.286+/-261.892 χ^2/NDF:25.3/29

Out: 361.343+/-266.282 χ^2/NDF:46.7/31

All: -132.546+/-186.718 χ^2/NDF: 78.8/61



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1122.673+/-0.234 χ^2/NDF:27232.7/13

Left: 1122.992+/-0.167 χ^2/NDF: 58443.2/27

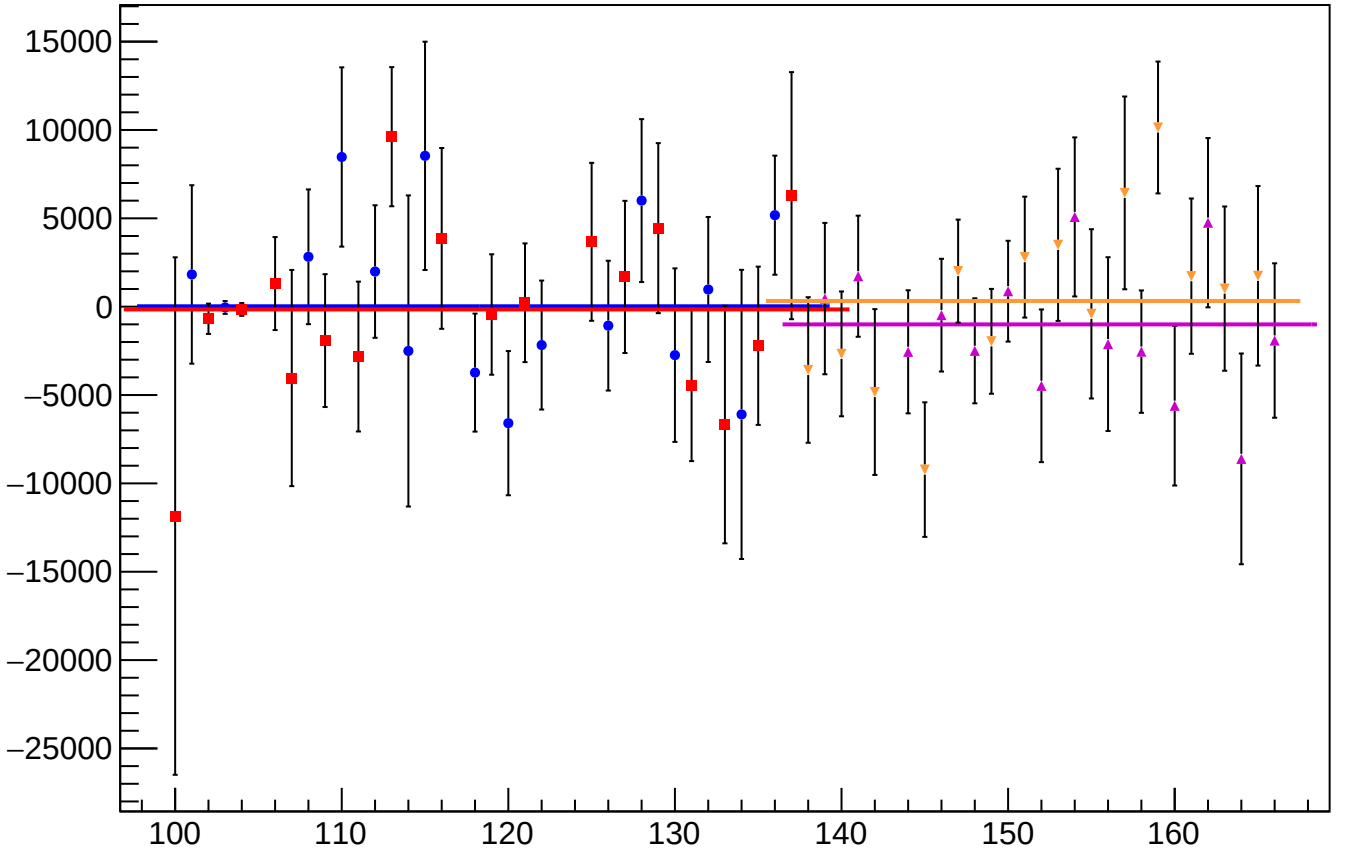
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1124.659+/-0.185 χ^2/NDF:648822.3/29

Out: 1128.938+/-0.188 χ^2/NDF:253265.9/31

All: 1126.763+/-0.132 χ^2/NDF: 902350.7/61

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 323.042+/-1048.246 χ^2/NDF:19.5/13

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1002.600+/-1022.075 χ^2/NDF:8.5/13

Left: -356.534+/-731.794 χ^2/NDF: 28.9/27

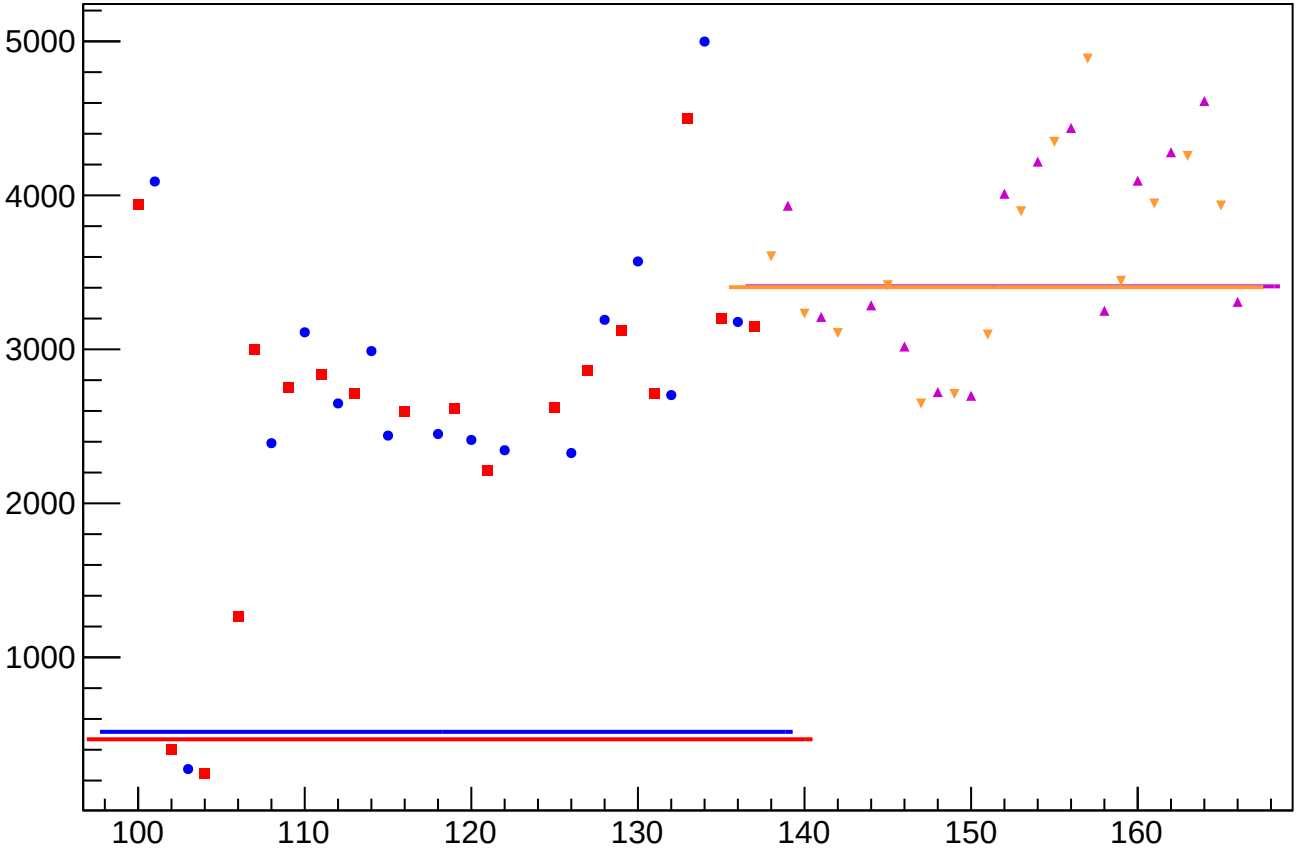
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -82.861+/-326.476 χ^2/NDF:24.3/29

Out: -115.988+/-303.751 χ^2/NDF:33.7/31

All: -100.617+/-222.385 χ^2/NDF: 58.0/61

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3409.018+/-0.723 χ^2/NDF:689942.0/13

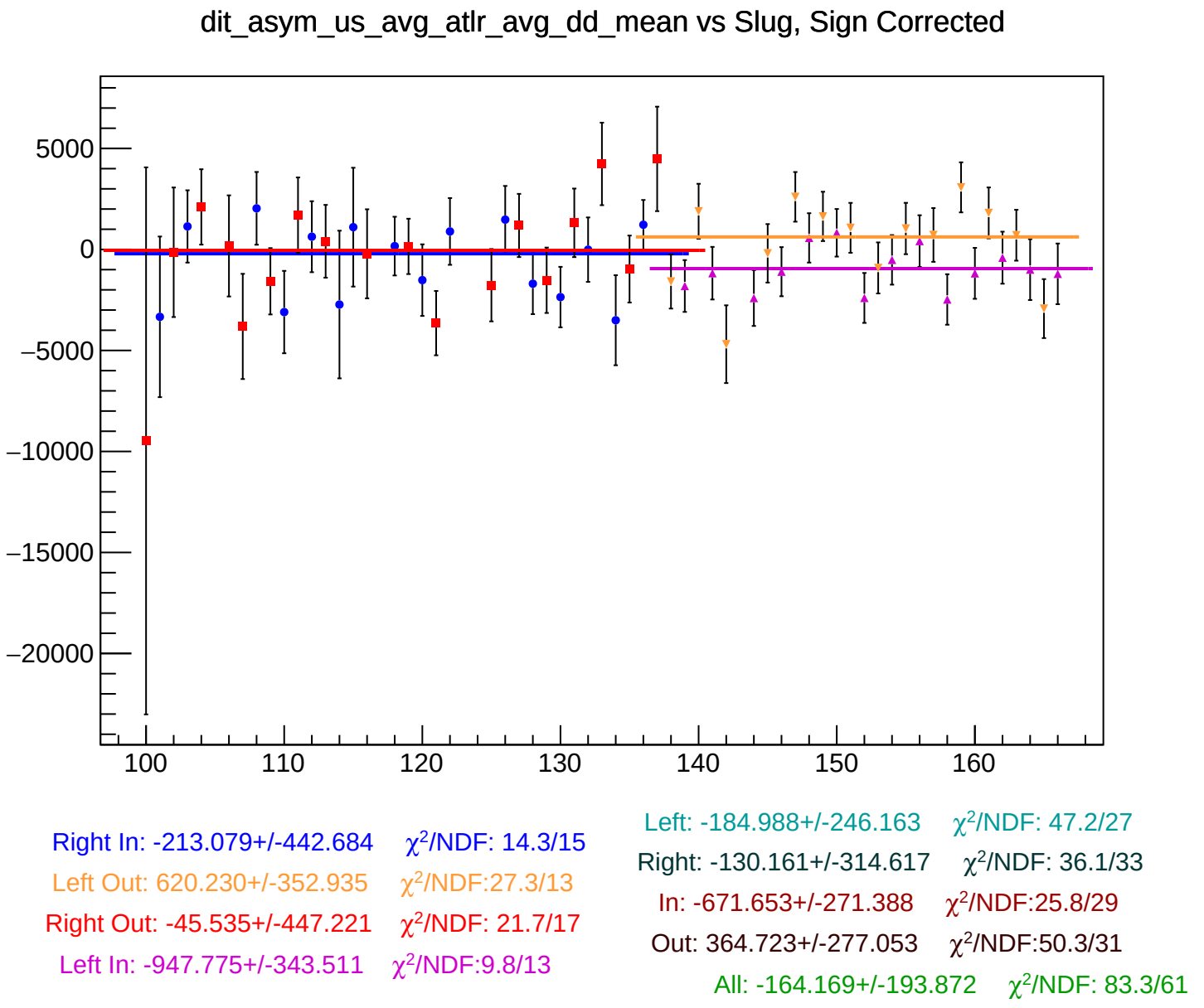
Left: 3406.427+/-0.517 χ^2/NDF: 1339337.6/27

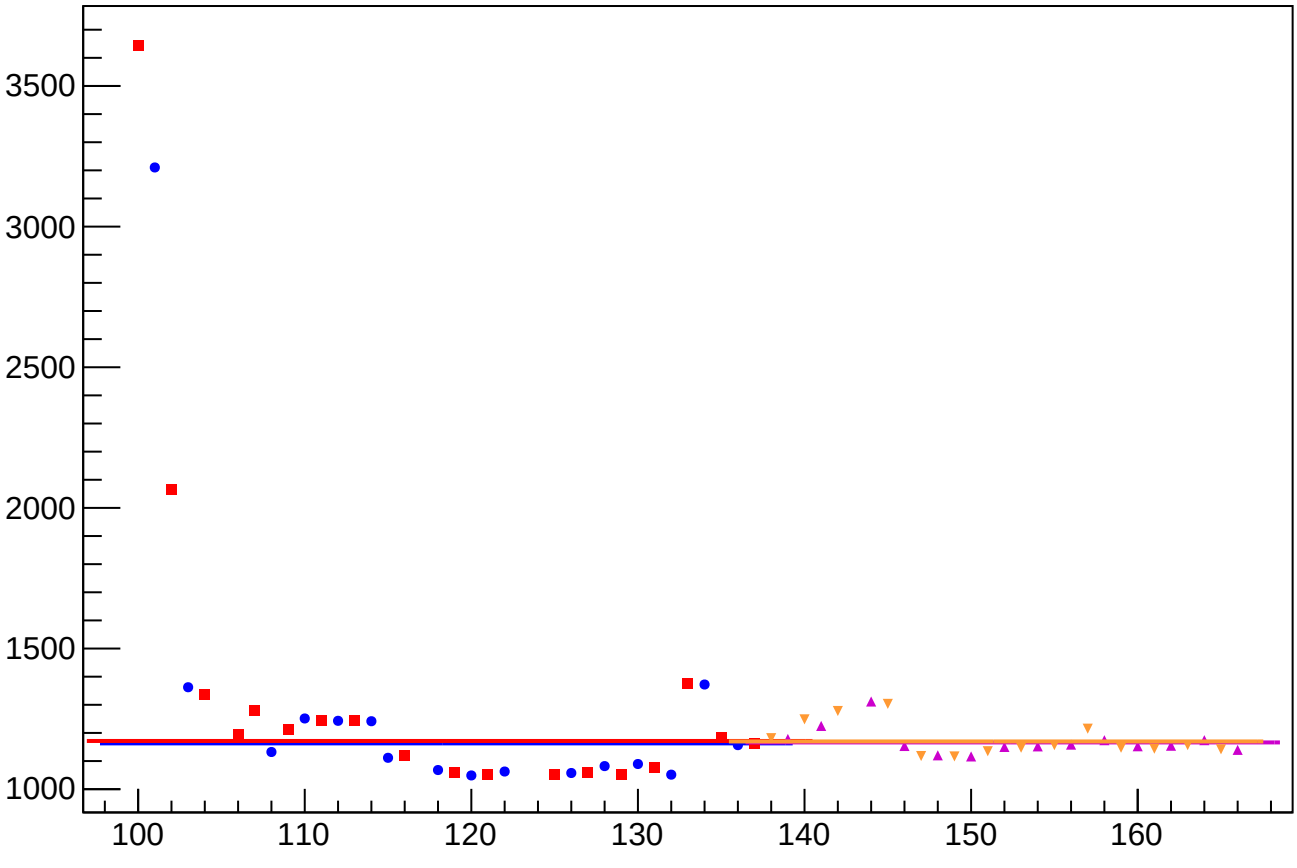
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 811.448+/-0.231 χ^2/NDF:24910564.1/29

Out: 714.557+/-0.215 χ^2/NDF:24129393.6/31

All: 759.513+/-0.157 χ^2/NDF: 49134378.9/61


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 620.230+/-352.935 χ²/NDF:27.3/13
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -947.775+/-343.511 χ²/NDF:9.8/13
Left: -184.988+/-246.163 χ²/NDF: 47.2/27
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -671.653+/-271.388 χ²/NDF:25.8/29
Out: 364.723+/-277.053 χ²/NDF:50.3/31
All: -164.169+/-193.872 χ²/NDF: 83.3/61



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1169.740+/-0.250 χ^2/NDF:44736.9/13

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1166.230+/-0.243 χ^2/NDF:34827.6/13

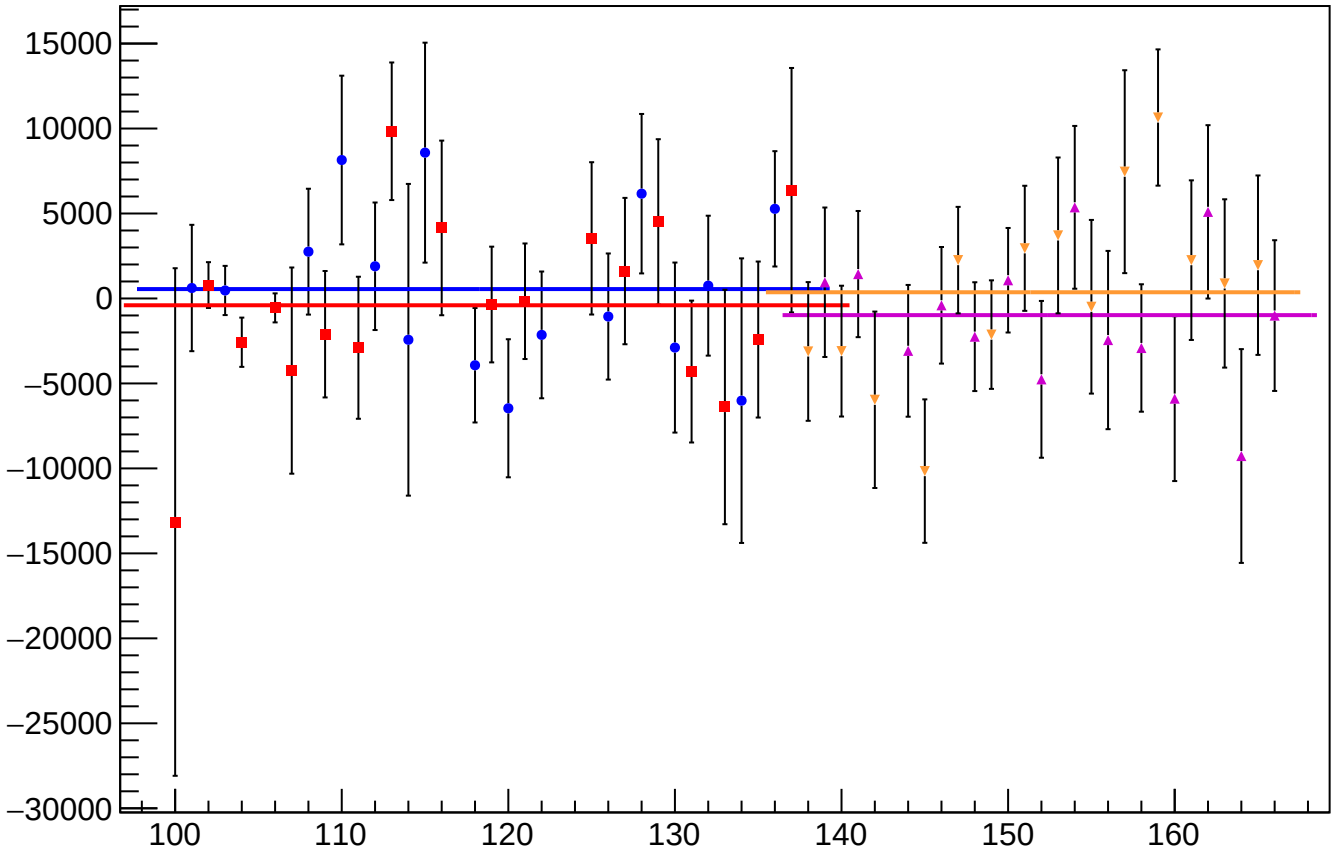
Left: 1167.938+/-0.174 χ^2/NDF: 79666.0/27

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1164.960+/-0.192 χ^2/NDF:670253.8/29

Out: 1170.385+/-0.196 χ^2/NDF:376395.1/31

All: 1167.617+/-0.137 χ^2/NDF: 1047040.3/61



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.167 χ^2/NDF:19.5/13

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -980.472+/-1094.923 χ^2/NDF:8.5/13

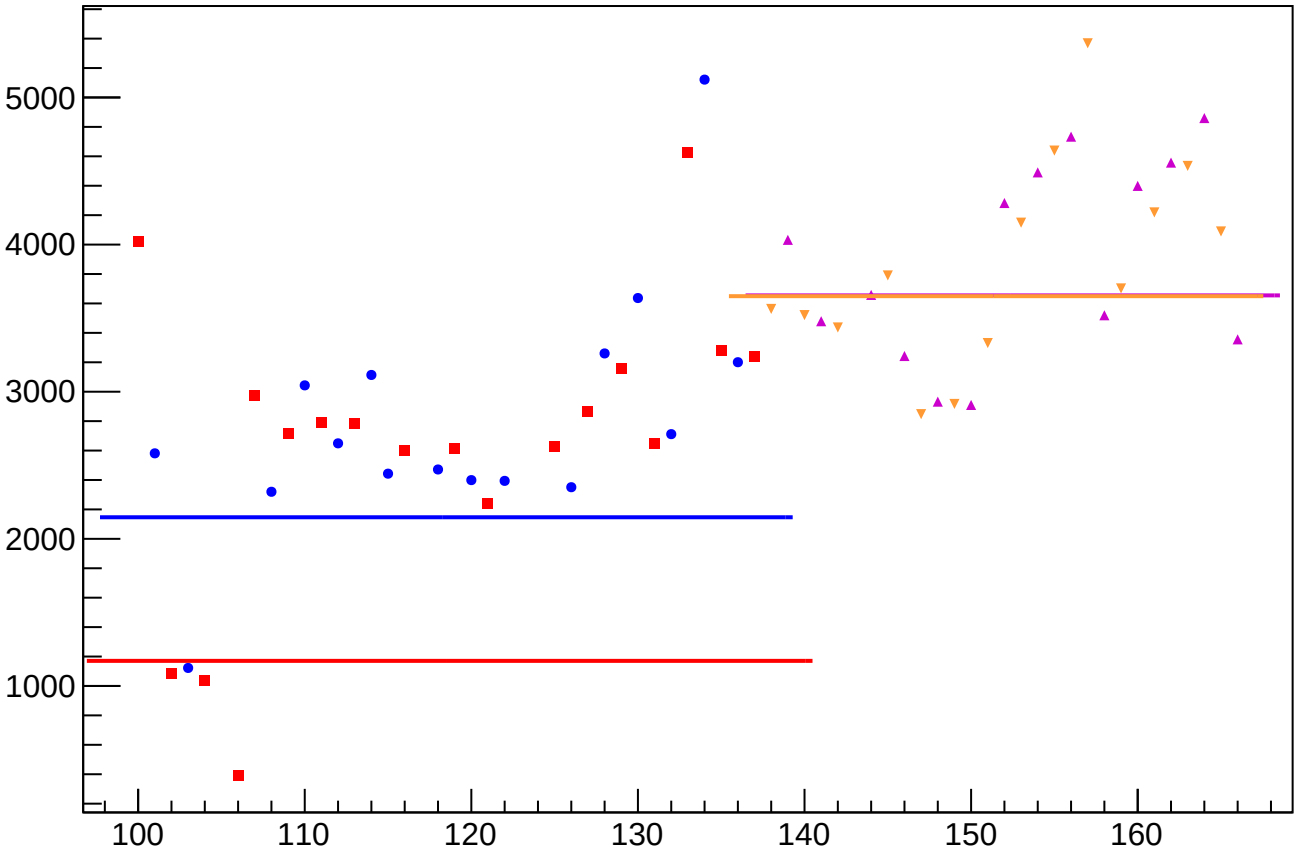
Left: -324.731+/-784.023 χ^2/NDF: 28.8/27

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: -44.214+/-683.130 χ^2/NDF:24.1/29

Out: -245.418+/-505.356 χ^2/NDF:36.6/31

All: -174.253+/-406.272 χ^2/NDF: 60.7/61



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3649.326+/-0.794 χ^2/NDF:632100.4/13

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3654.738+/-0.774 χ^2/NDF:644455.9/13

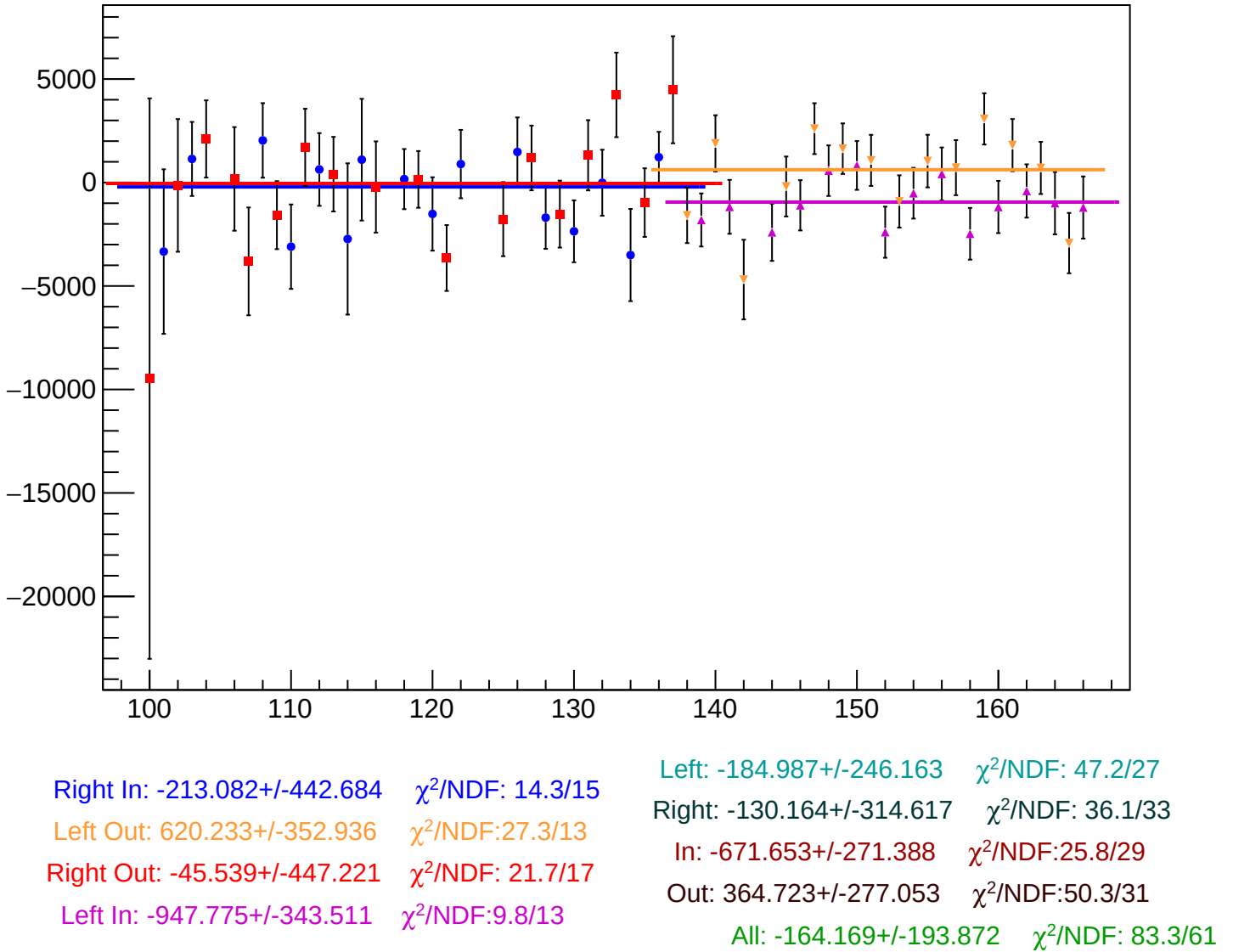
Left: 3652.101+/-0.554 χ^2/NDF: 1276580.1/27

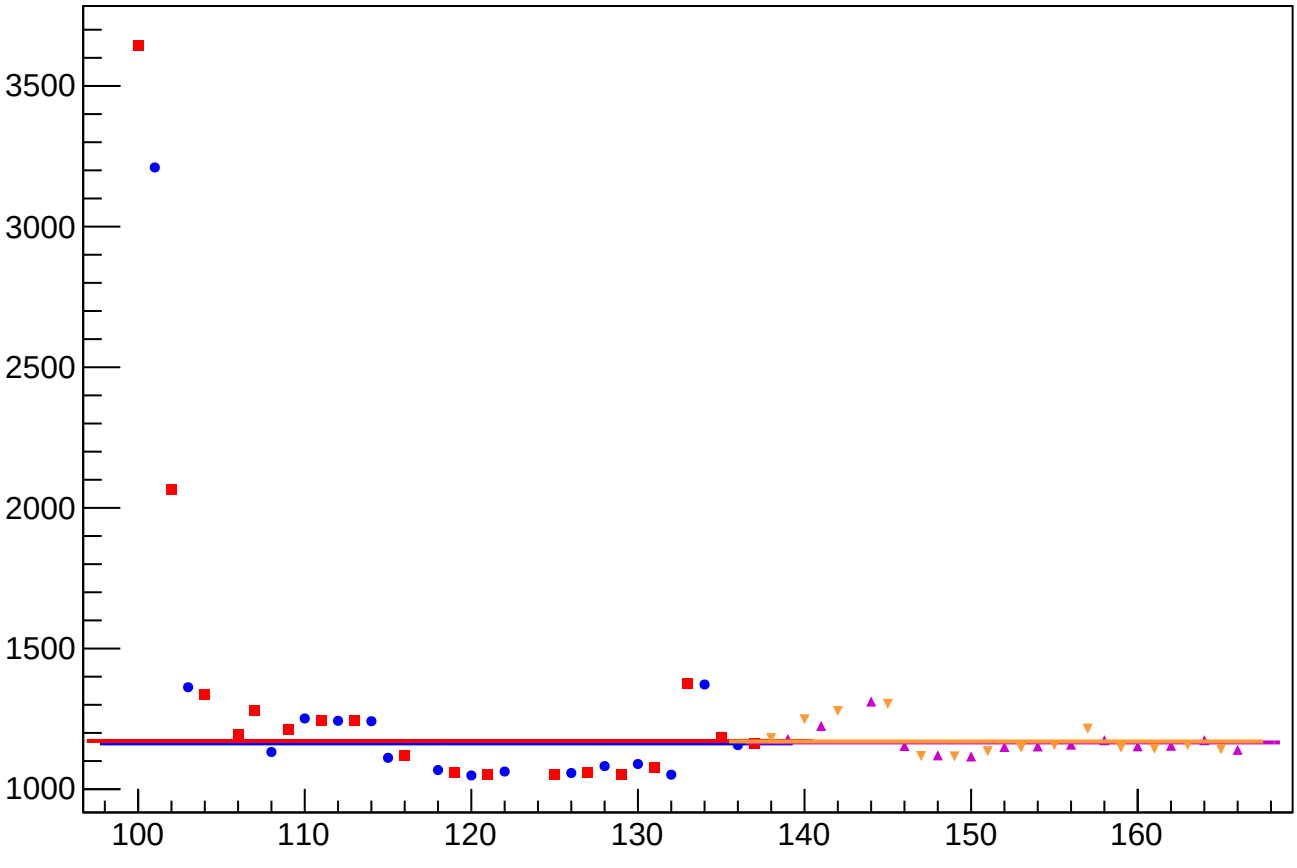
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2733.667+/-0.483 χ^2/NDF:4936533.5/29

Out: 1672.384+/-0.357 χ^2/NDF:14218642.3/31

All: 2047.753+/-0.287 χ^2/NDF: 22274957.1/6


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 620.233+/-352.936 χ²/NDF:27.3/13
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -947.775+/-343.511 χ²/NDF:9.8/13
Left: -184.987+/-246.163 χ²/NDF: 47.2/27
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -671.653+/-271.388 χ²/NDF:25.8/29
Out: 364.723+/-277.053 χ²/NDF:50.3/31
All: -164.169+/-193.872 χ²/NDF: 83.3/61



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1169.741+/-0.250 χ^2/NDF:44737.2/13

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1166.231+/-0.243 χ^2/NDF:34827.8/13

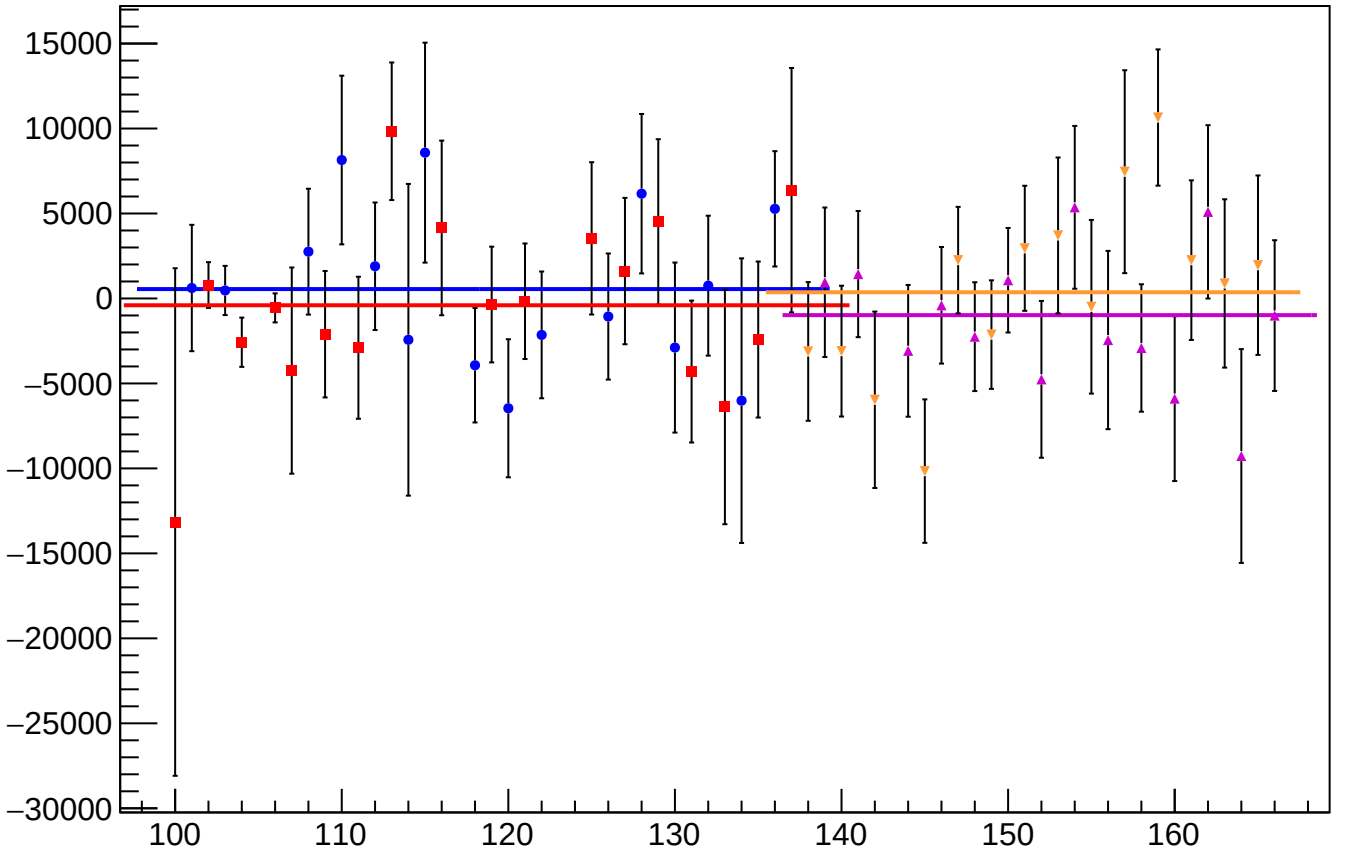
Left: 1167.939+/-0.174 χ^2/NDF: 79666.5/27

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1164.961+/-0.192 χ^2/NDF:670254.2/29

Out: 1170.386+/-0.196 χ^2/NDF:376395.0/31

All: 1167.618+/-0.137 χ^2/NDF: 1047040.5/61



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.168 χ^2/NDF:19.5/13

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -980.470+/-1094.925 χ^2/NDF:8.5/13

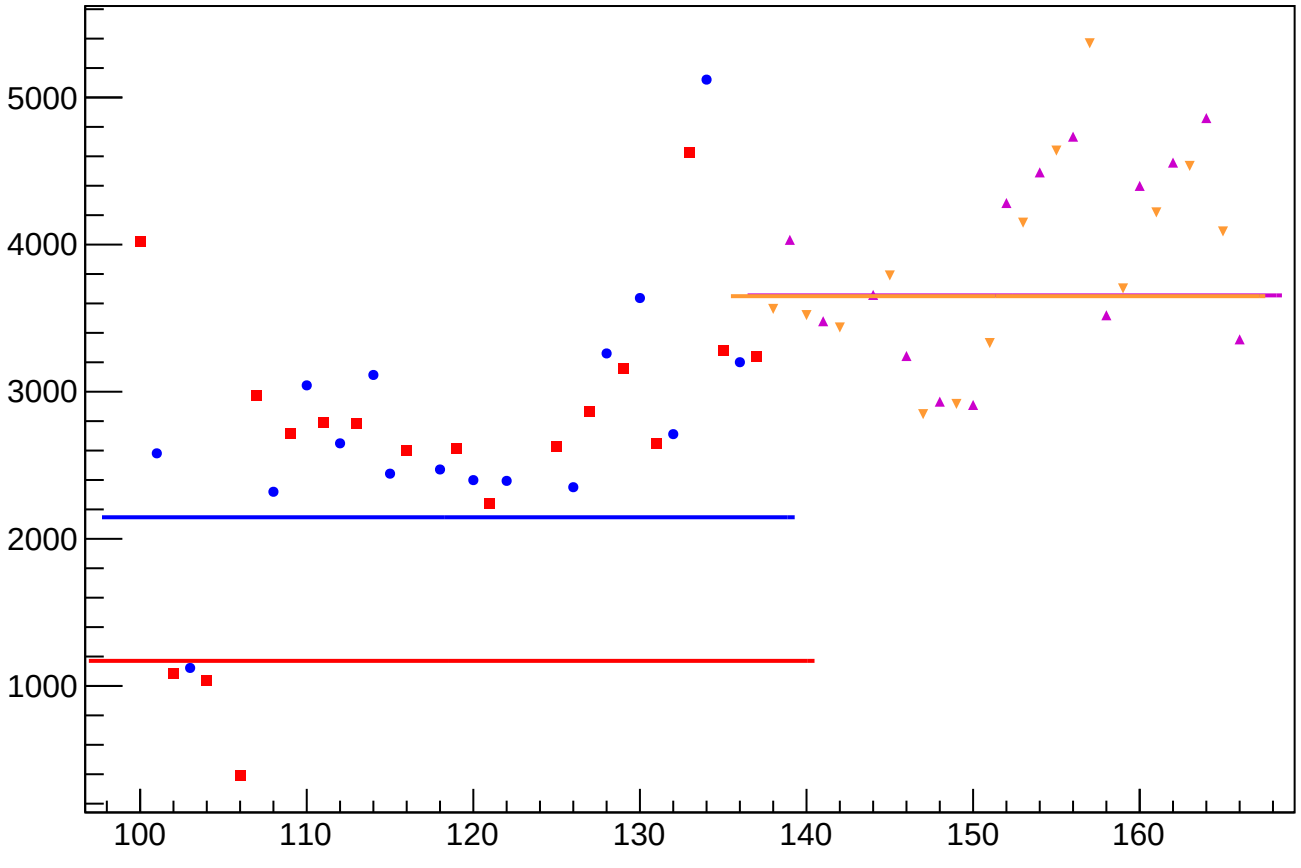
Left: -324.729+/-784.024 χ^2/NDF: 28.8/27

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -44.215+/-683.130 χ^2/NDF:24.1/29

Out: -245.422+/-505.352 χ^2/NDF:36.6/31

All: -174.257+/-406.269 χ^2/NDF: 60.7/61



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3649.331+/-0.794 χ^2/NDF:632102.6/13

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3654.743+/-0.774 χ^2/NDF:644457.2/13

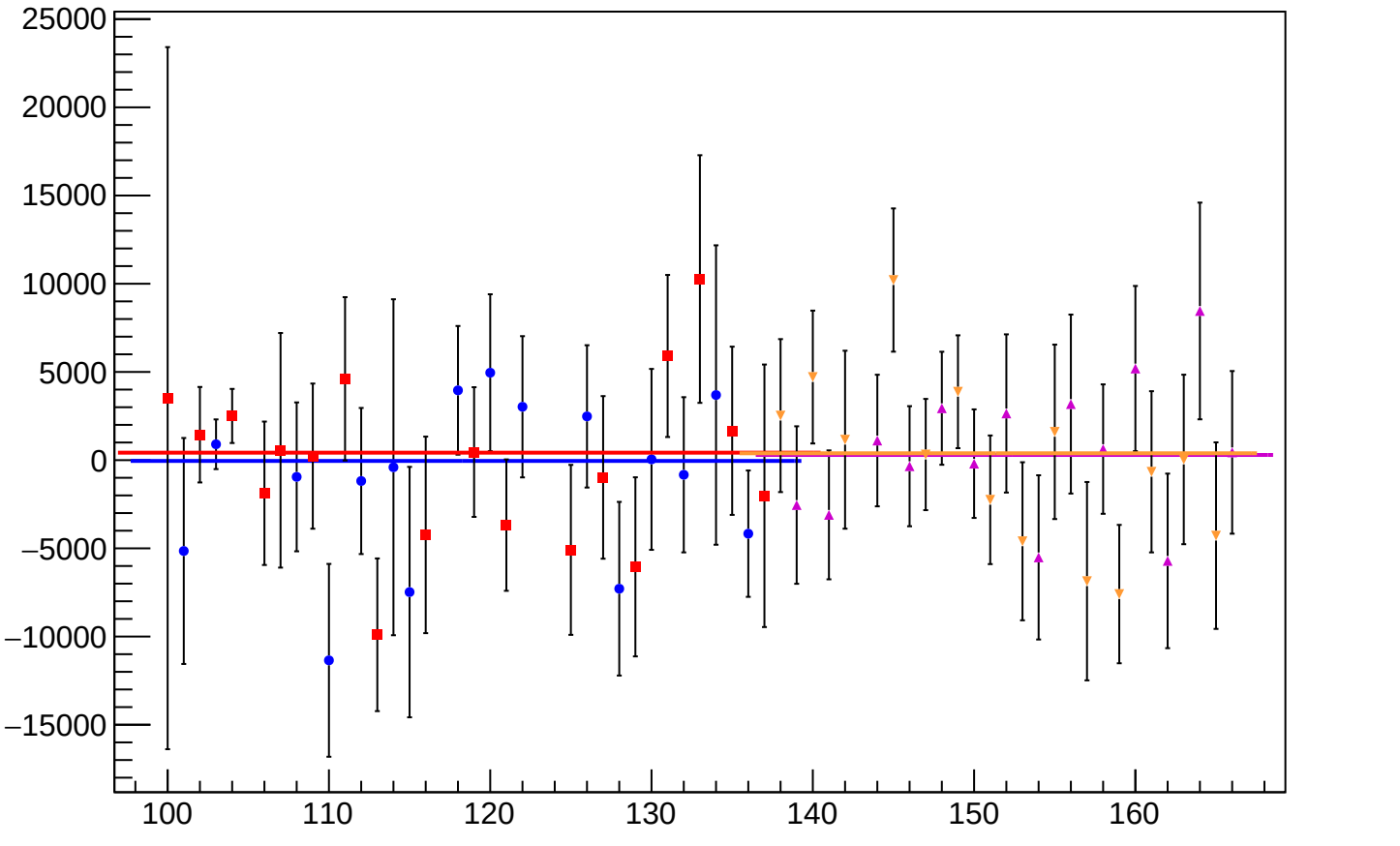
Left: 3652.106+/-0.554 χ^2/NDF: 1276583.7/27

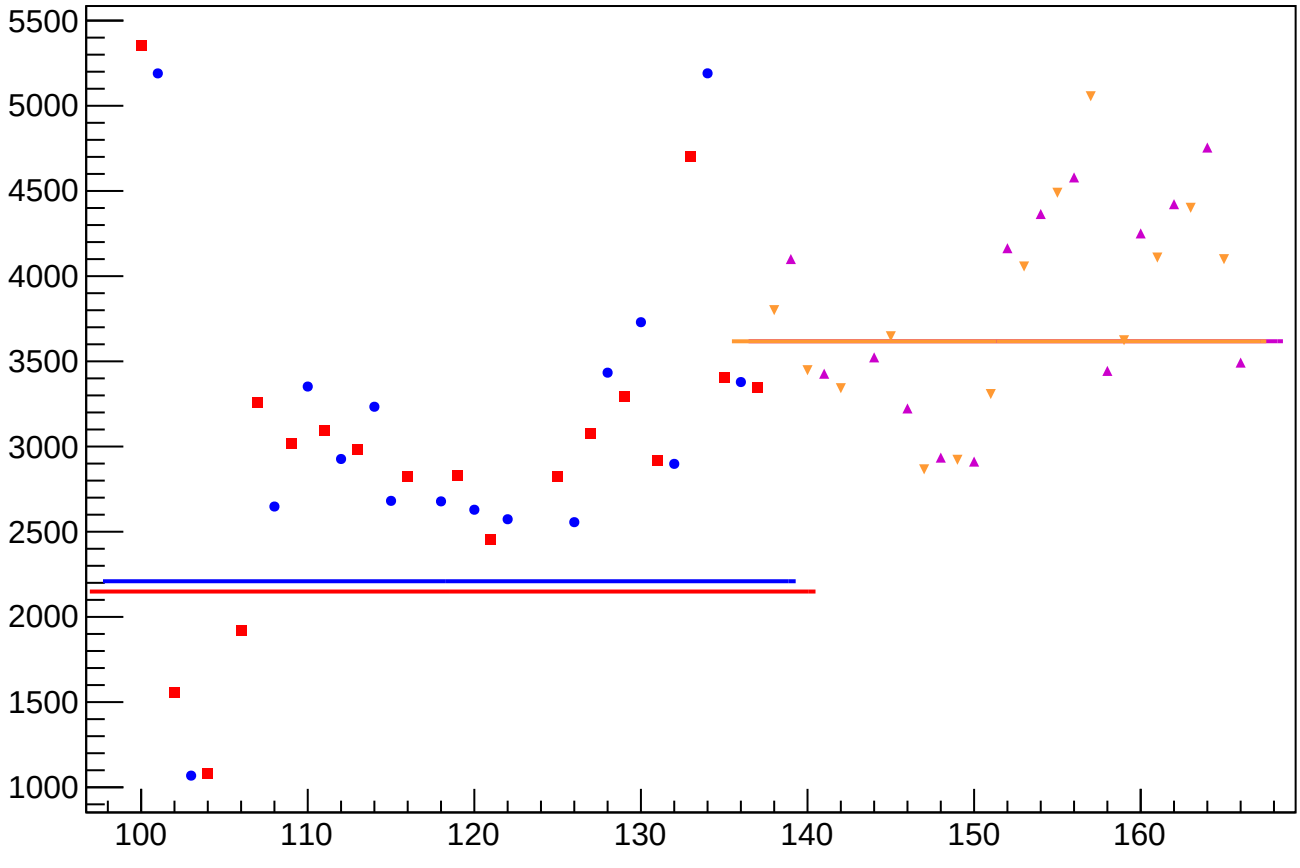
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2733.665+/-0.483 χ^2/NDF:4936553.4/29

Out: 1672.356+/-0.357 χ^2/NDF:14218966.2/31

All: 2047.730+/-0.287 χ^2/NDF: 22275476.5/6


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 389.544+/-1109.993 χ²/NDF:17.1/13
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: 294.336+/-1081.198 χ²/NDF:8.6/13
Left: 340.689+/-774.502 χ²/NDF: 25.6/27
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: 97.716+/-700.995 χ²/NDF:22.4/29
Out: 410.076+/-697.545 χ²/NDF:34.4/31
All: 254.666+/-494.454 χ²/NDF: 56.9/61



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3617.622+/-0.785 χ^2/NDF:541556.3/13

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3618.001+/-0.765 χ^2/NDF:570228.5/13

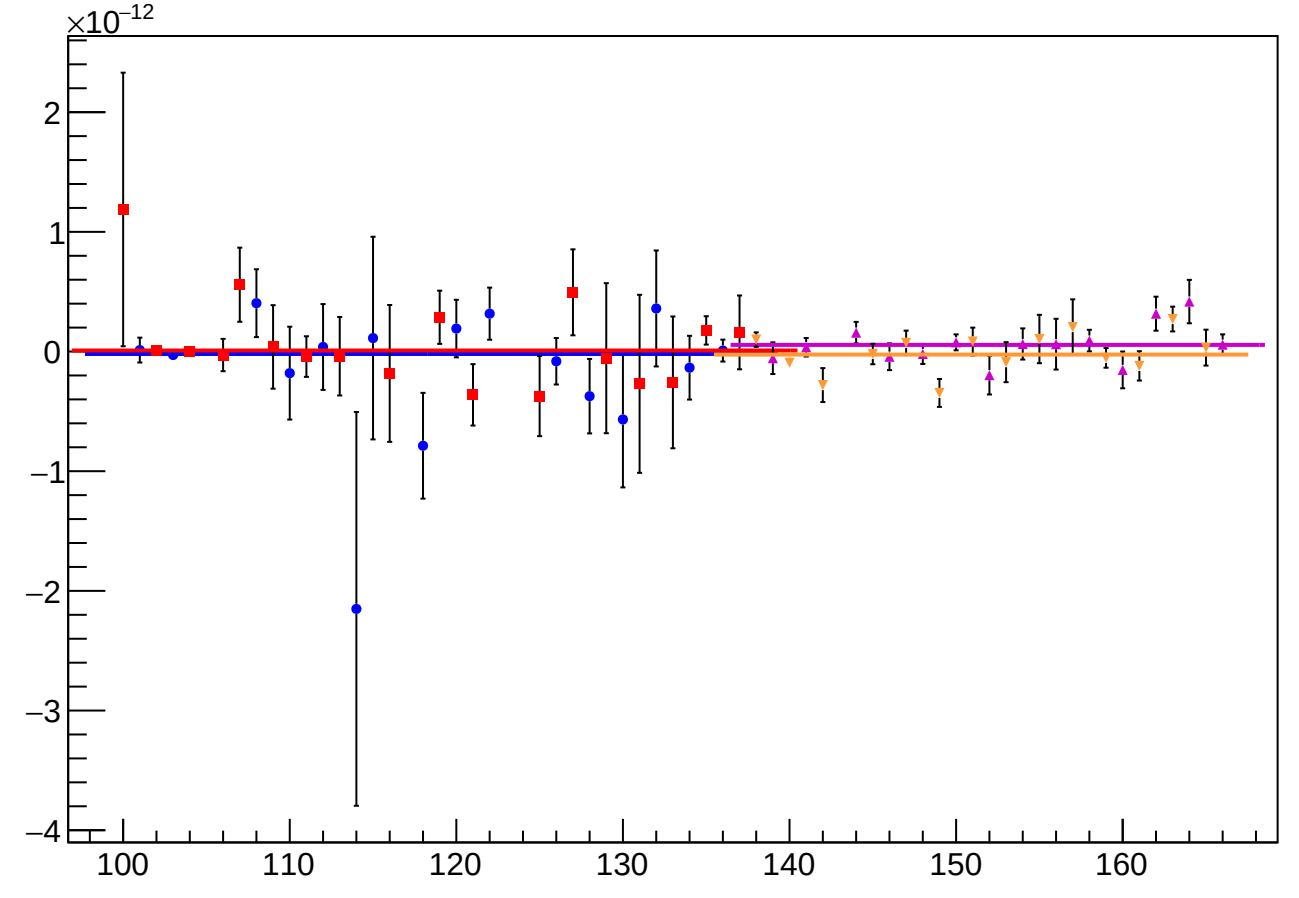
Left: 3617.816+/-0.548 χ^2/NDF: 1111784.9/27

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2801.485+/-0.496 χ^2/NDF:5374934.3/29

Out: 2727.270+/-0.493 χ^2/NDF:4933858.8/31

All: 2764.141+/-0.349 χ^2/NDF: 10320073.4/6



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/13

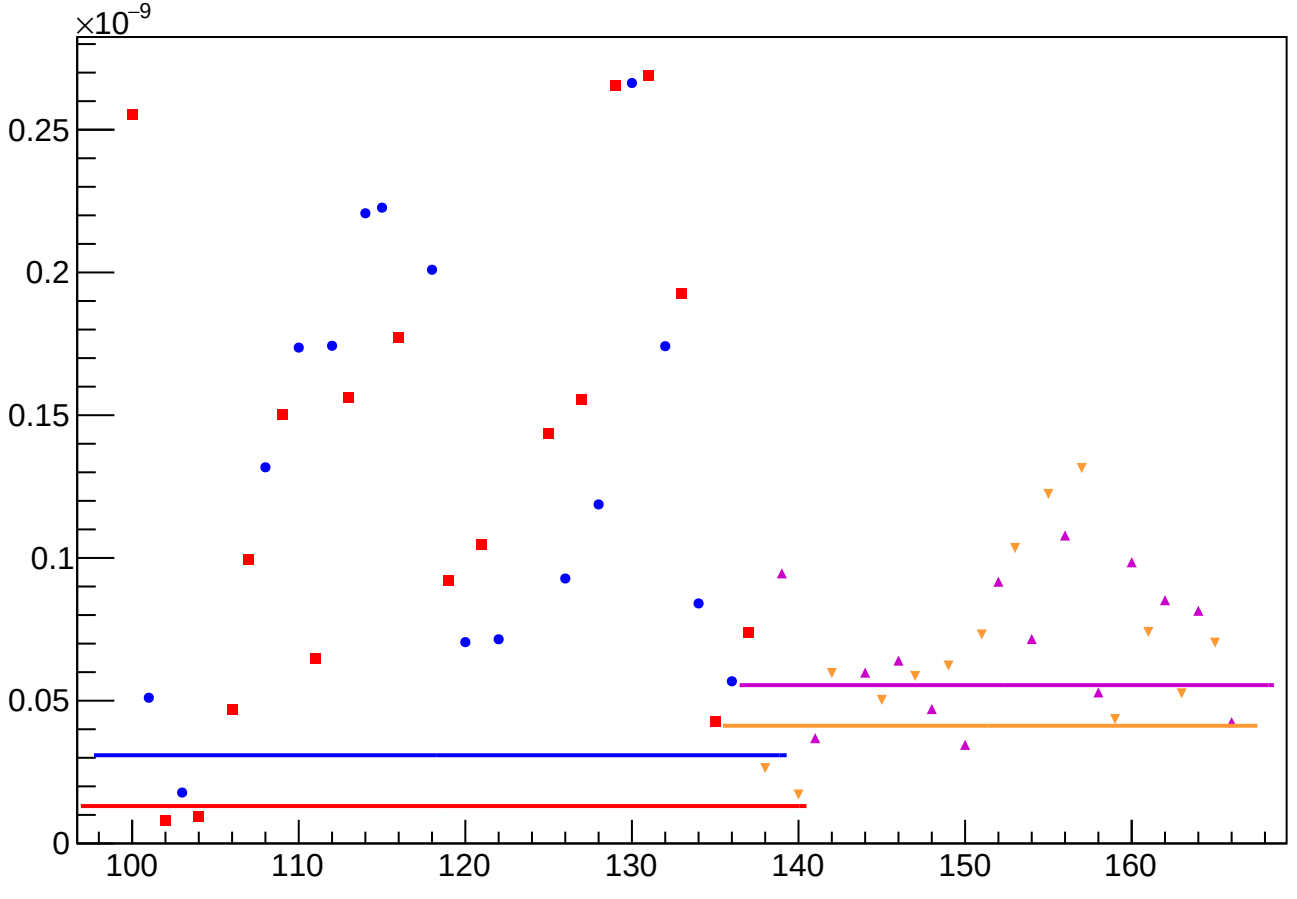
Left: 0.000+/-0.000 χ^2/NDF: 50.7/27

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:33.3/29

Out: -0.000+/-0.000 χ^2/NDF:45.7/31

All: 0.000+/-0.000 χ^2/NDF: 79.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2296471.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1109421.8/13

Left: 0.000+/-0.000 χ^2/NDF: 3705914.3/27

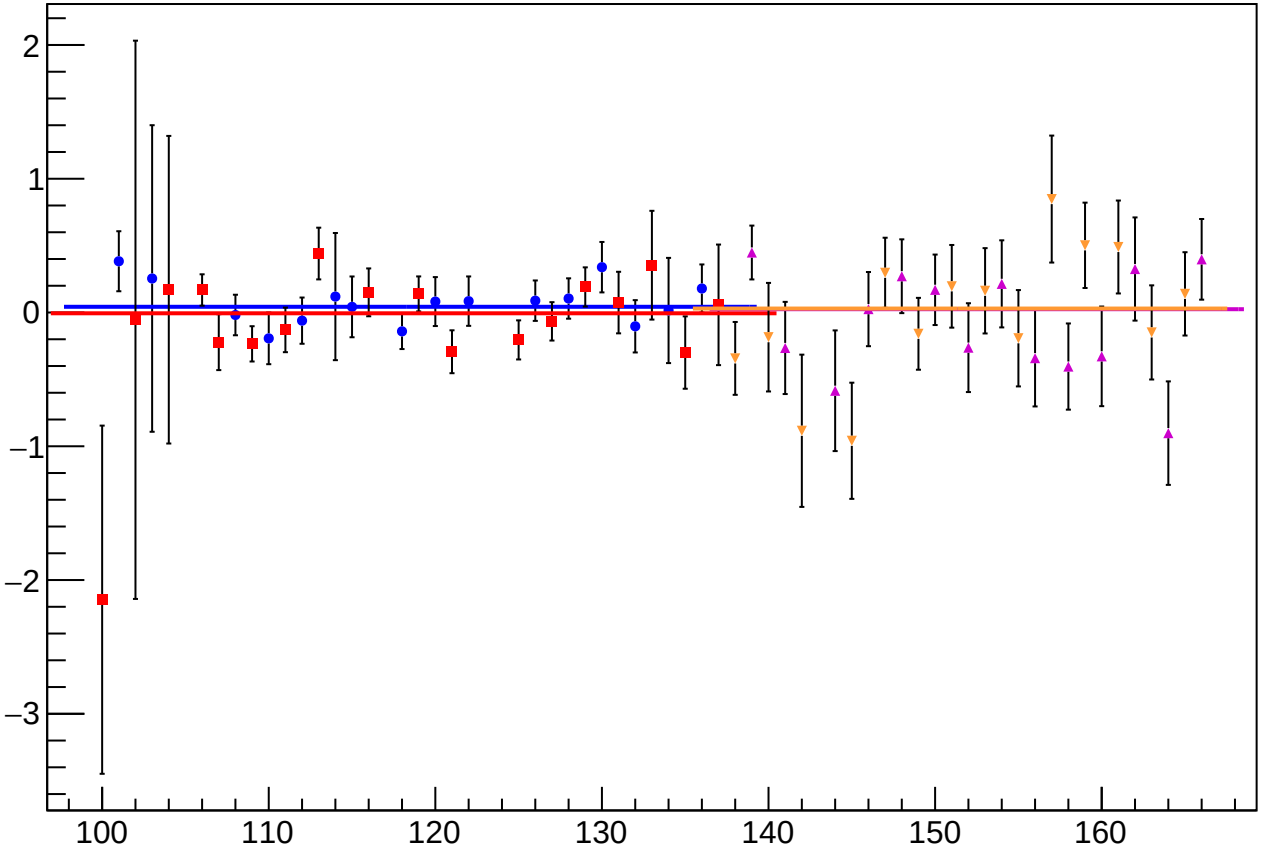
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4955821.0/29

Out: 0.000+/-0.000 χ^2/NDF:7937544.8/31

All: 0.000+/-0.000 χ^2/NDF: 14647203.3/61

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.027+/-0.061 χ^2/NDF: 40.3/27

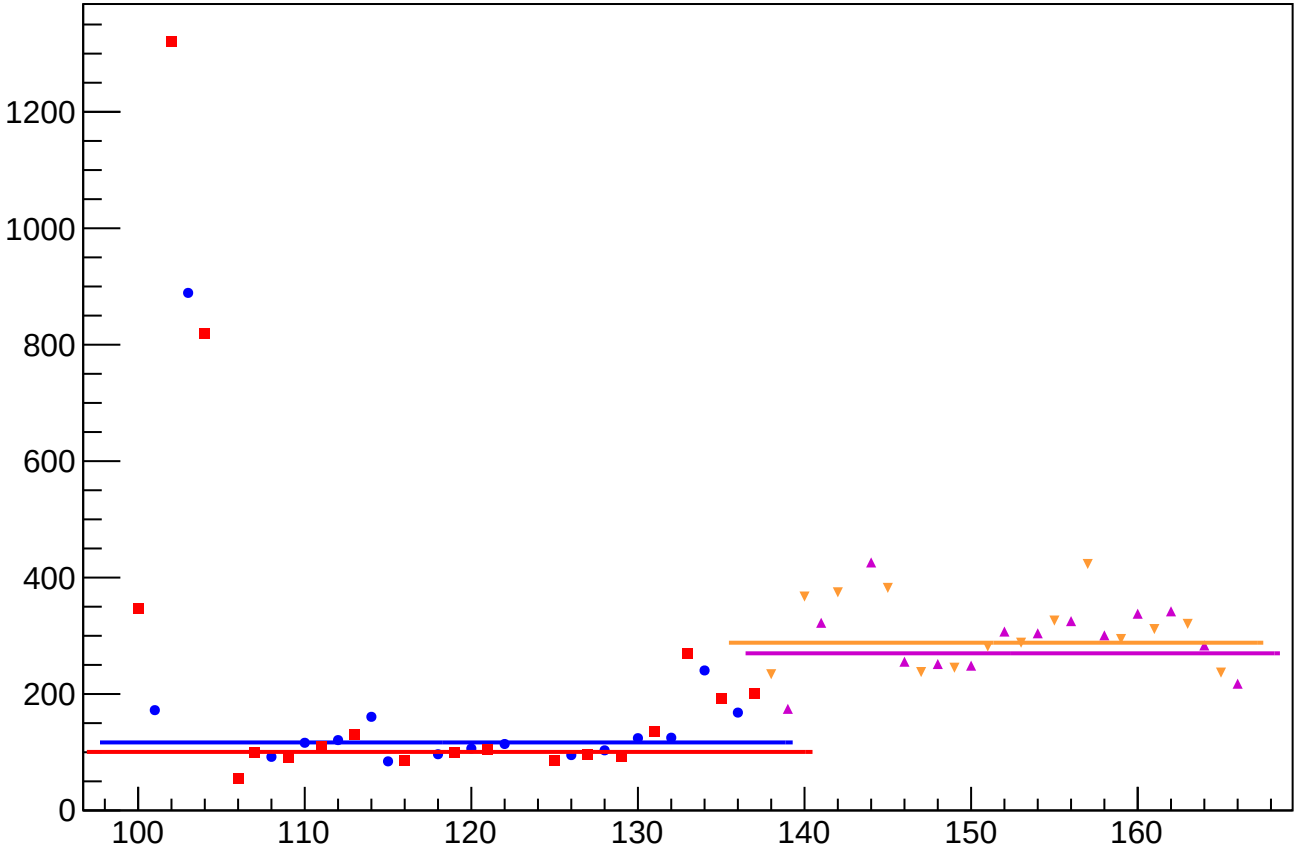
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.019+/-0.028 χ^2/NDF: 77.2/61

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.131+/-0.063 χ^2/NDF:687425.9/13

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.917+/-0.059 χ^2/NDF:1073812.2/13

Left: 278.329+/-0.043 χ^2/NDF: 1805980.8/27

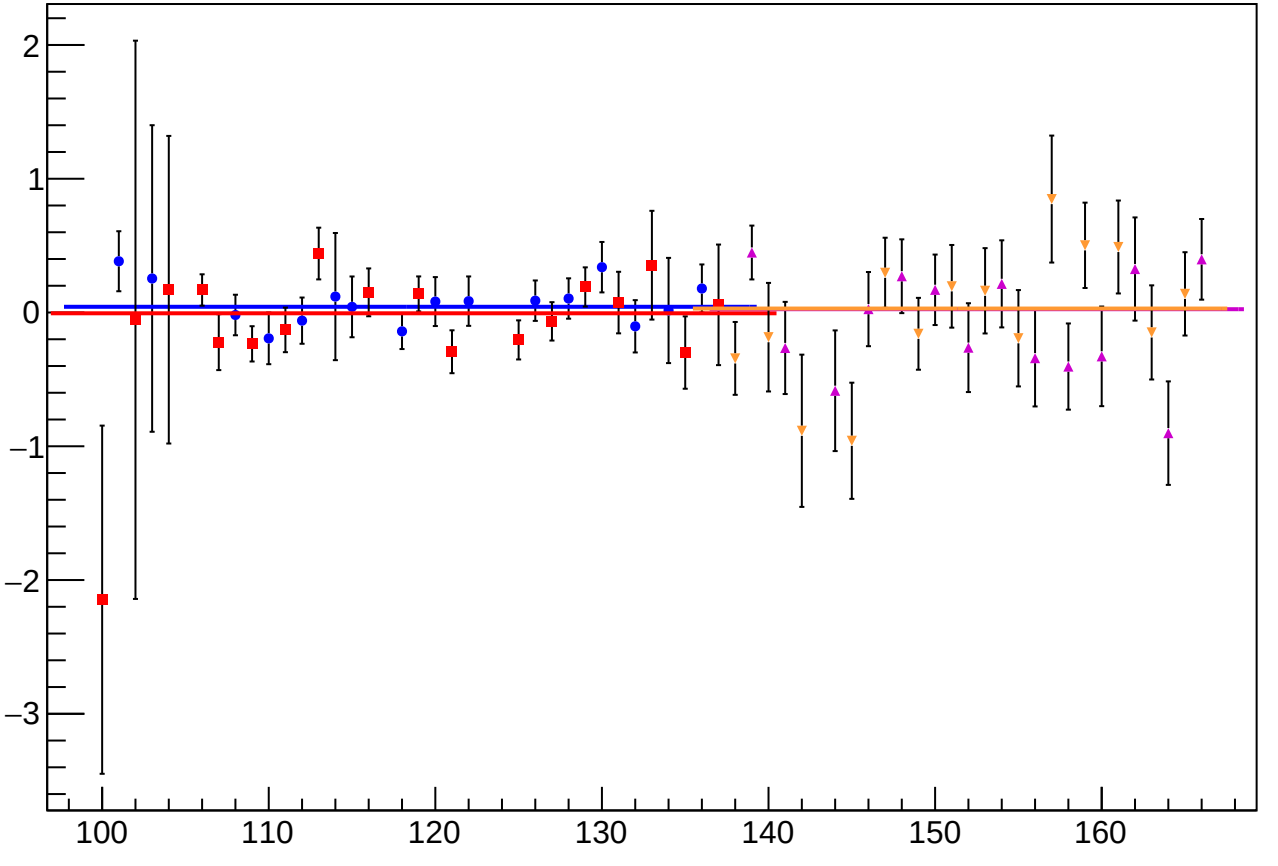
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 154.729+/-0.029 χ^2/NDF:7843127.9/29

Out: 136.338+/-0.028 χ^2/NDF:10487426.3/31

All: 145.041+/-0.020 χ^2/NDF: 18540766.0/61

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.027+/-0.061 χ^2/NDF: 40.3/27

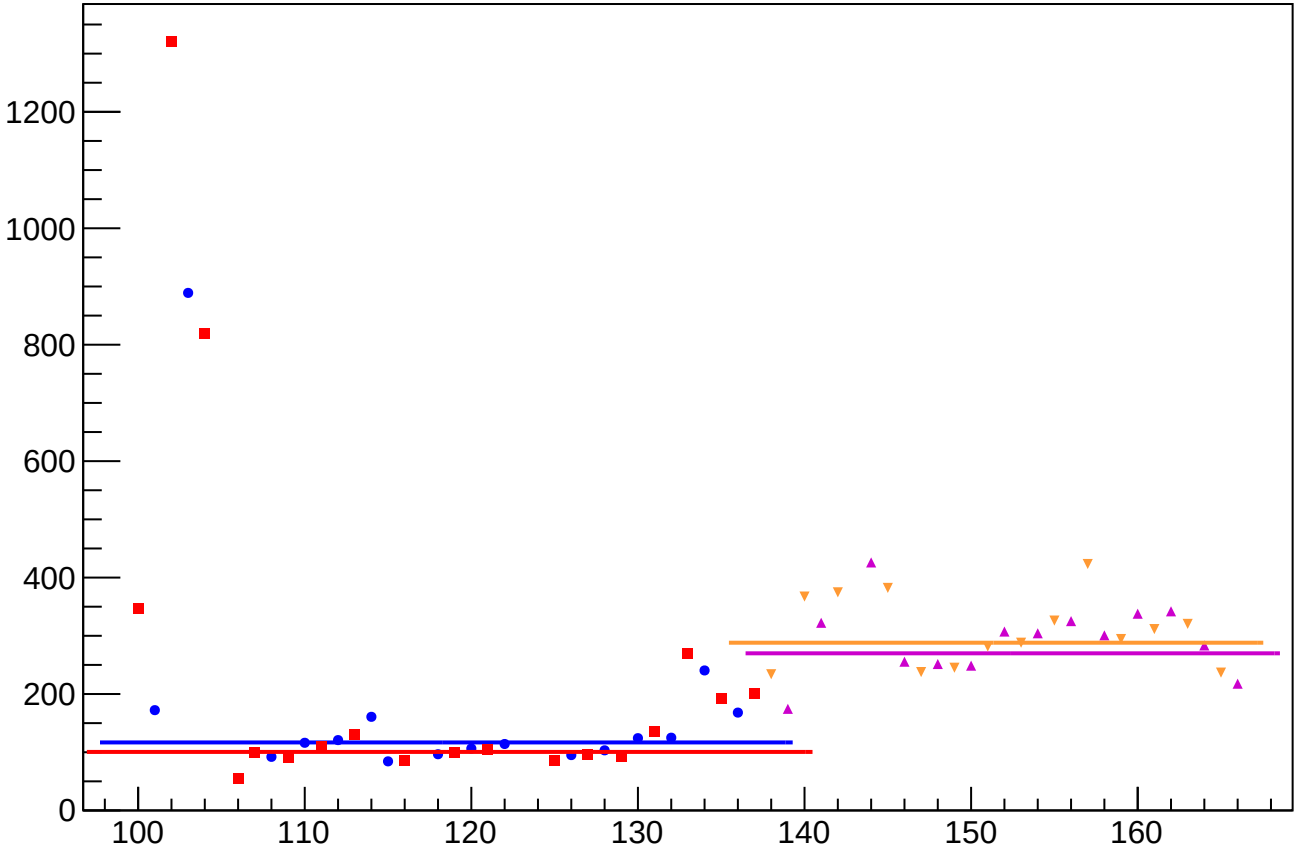
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.019+/-0.028 χ^2/NDF: 77.2/61

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.131+/-0.063 χ^2/NDF:687425.9/13

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.917+/-0.059 χ^2/NDF:1073812.2/13

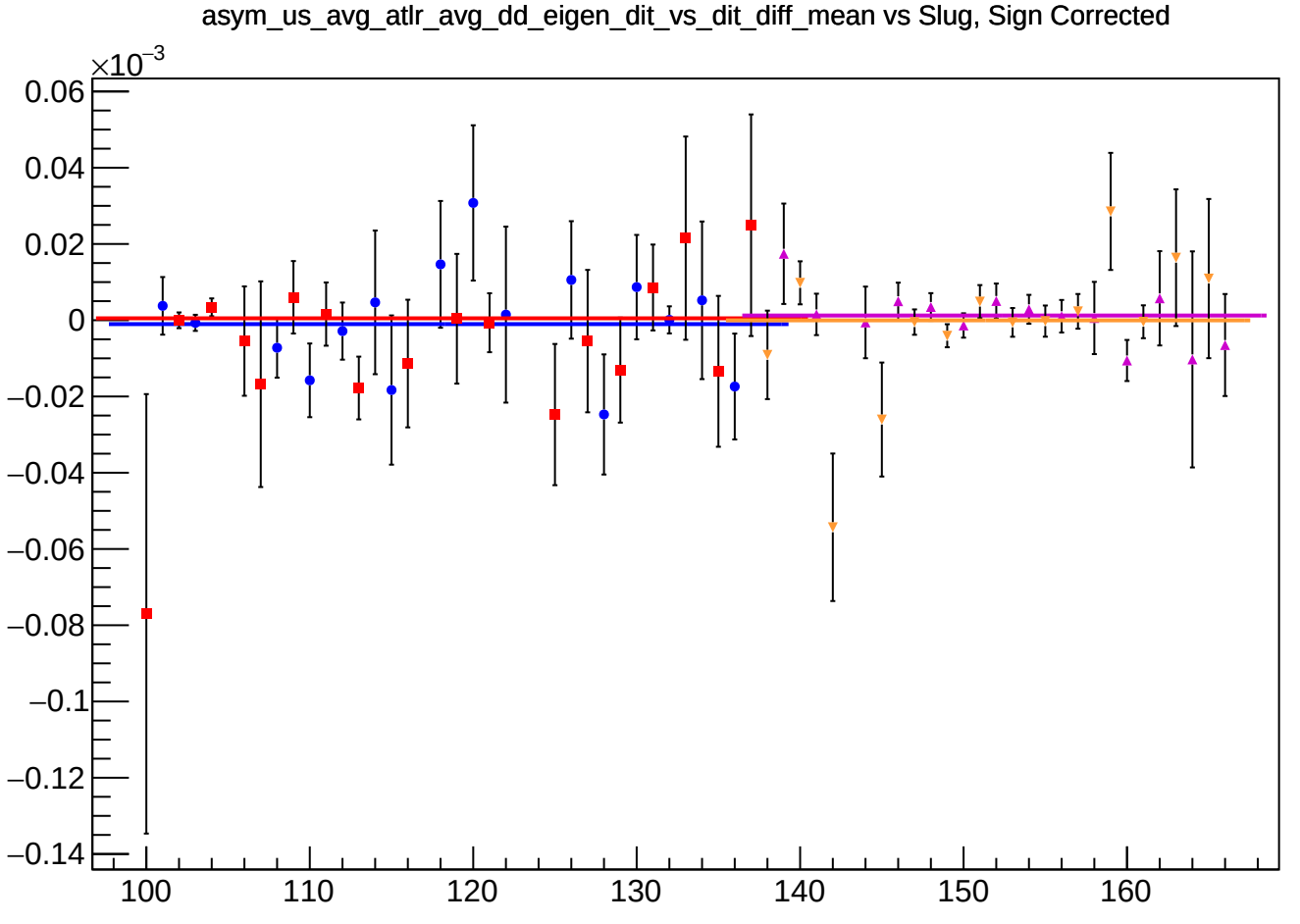
Left: 278.329+/-0.043 χ^2/NDF: 1805980.8/27

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 154.729+/-0.029 χ^2/NDF:7843127.9/29

Out: 136.338+/-0.028 χ^2/NDF:10487426.3/31

All: 145.041+/-0.020 χ^2/NDF: 18540766.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.5/13

Left: 0.000+/-0.000 χ^2/NDF: 32.4/27

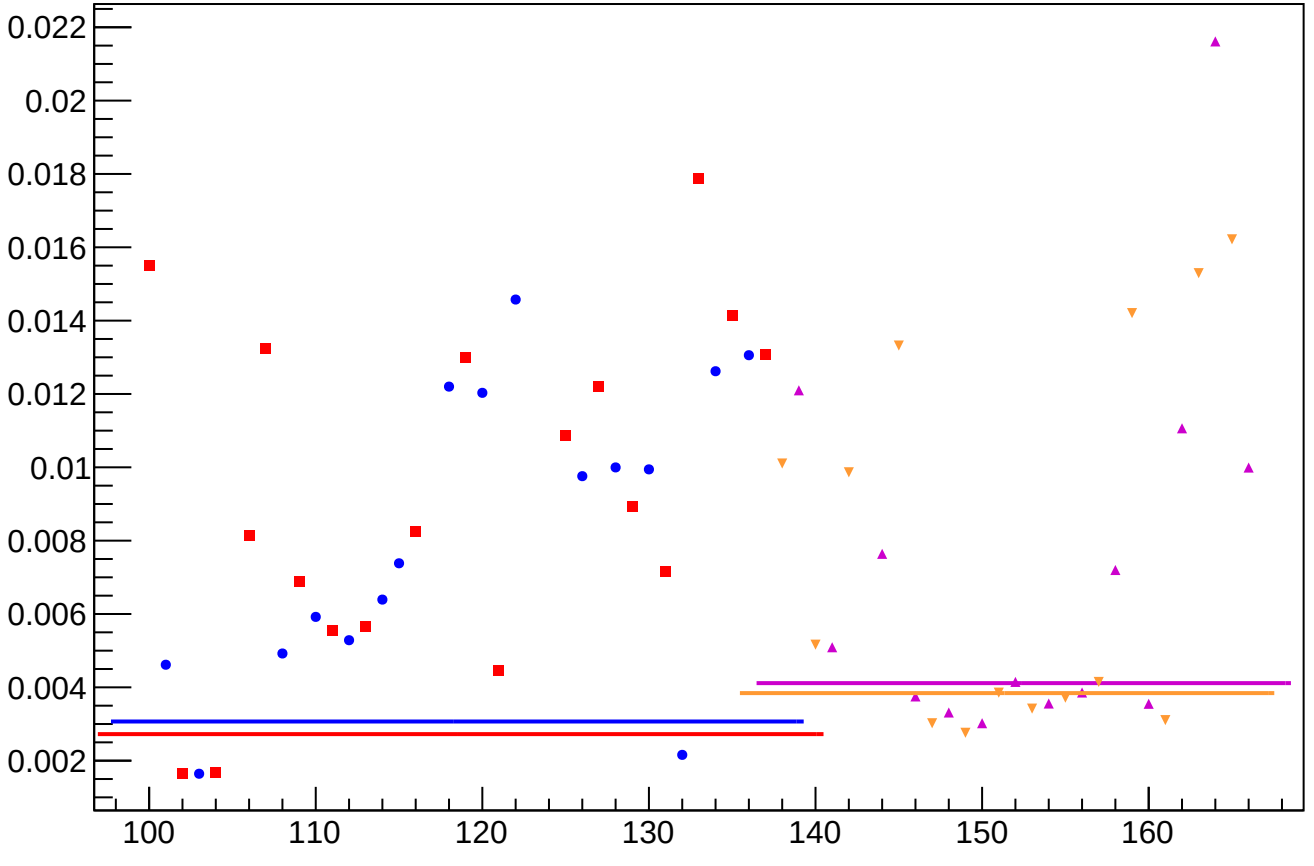
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:23.2/29

Out: 0.000+/-0.000 χ^2/NDF:37.7/31

All: 0.000+/-0.000 χ^2/NDF: 60.8/61

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:4592847.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3489925.4/13

Left: 0.004+/-0.000 χ^2/NDF: 8121177.3/27

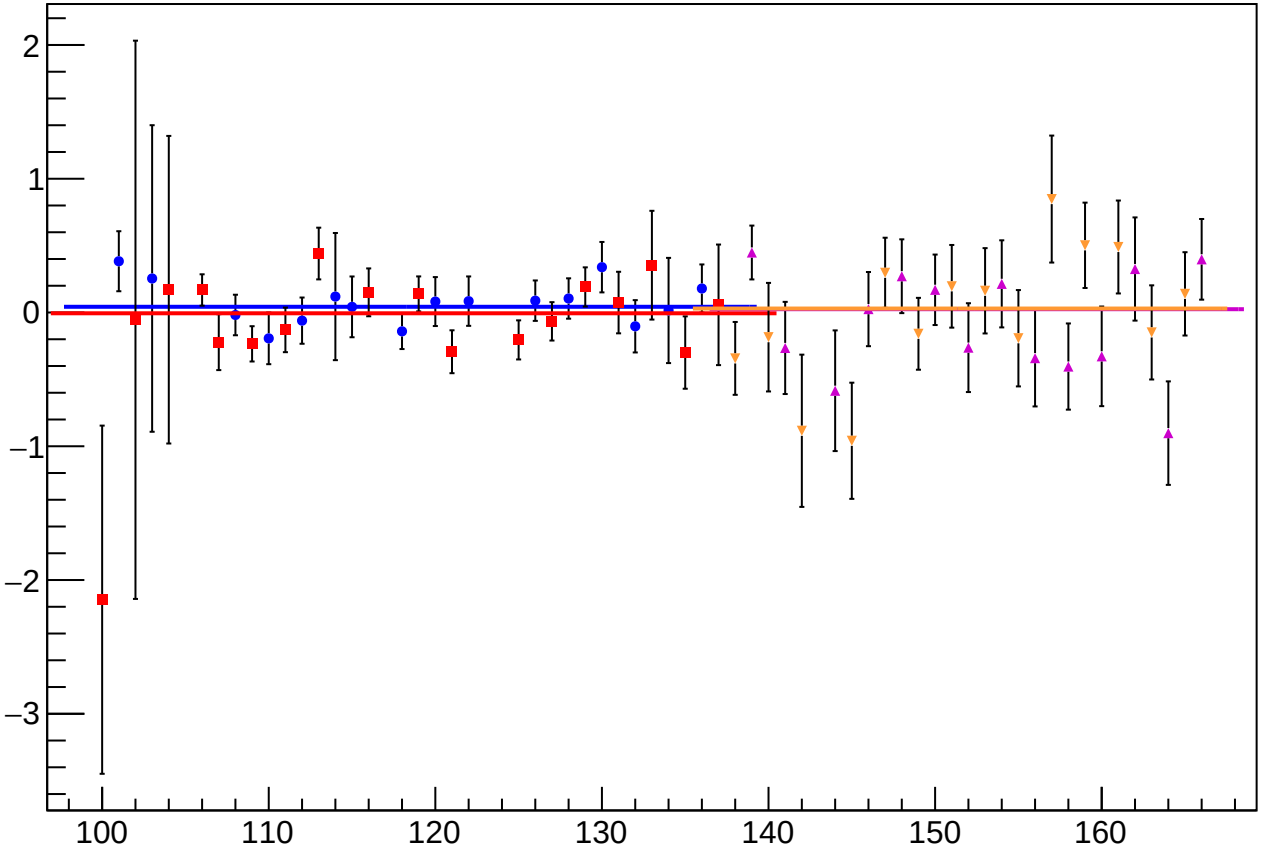
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:9940153.7/29

Out: 0.003+/-0.000 χ^2/NDF:11965265.1/31

All: 0.003+/-0.000 χ^2/NDF: 22024517.4/61

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.027+/-0.061 χ^2/NDF: 40.3/27

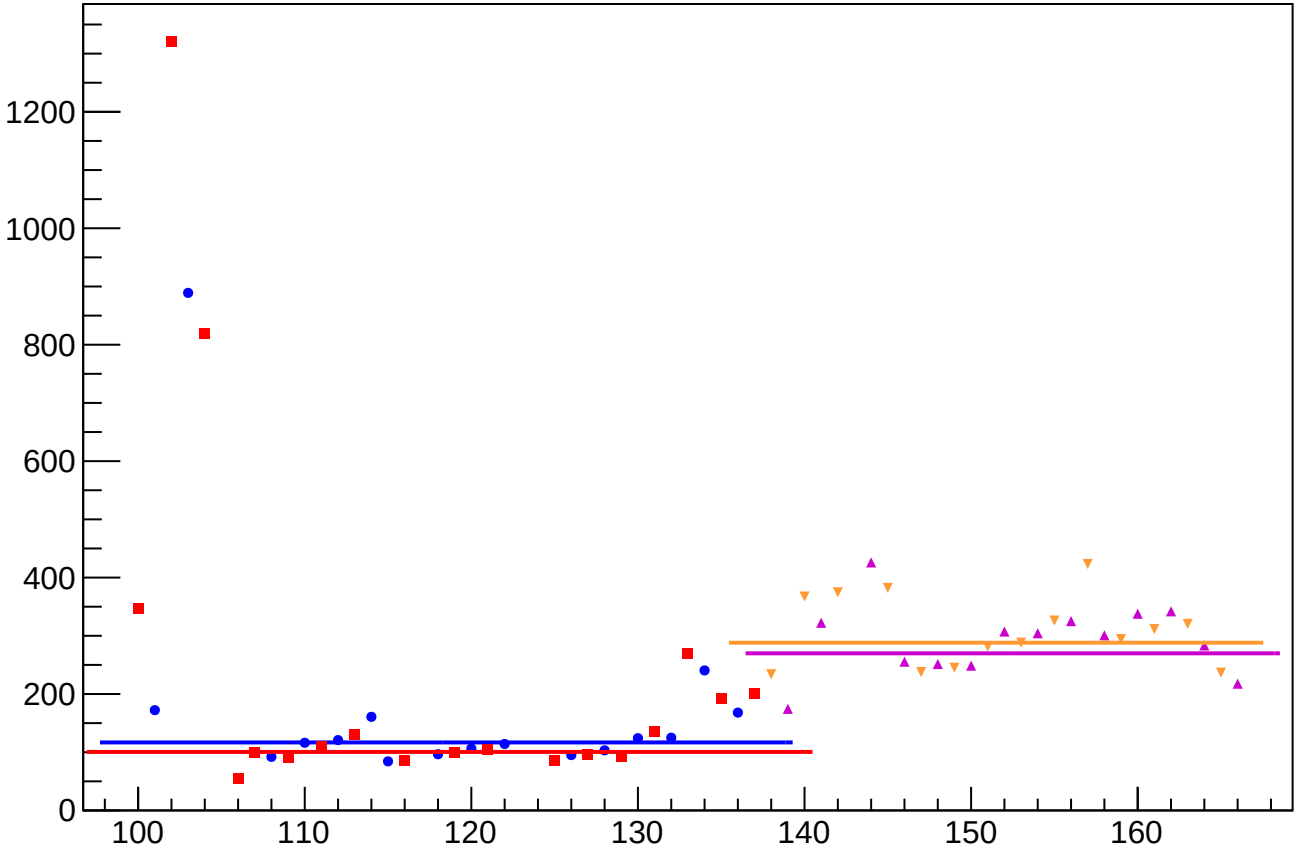
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.019+/-0.028 χ^2/NDF: 77.2/61

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.135+/-0.063 χ^2/NDF:687418.3/13

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.920+/-0.059 χ^2/NDF:1073779.1/13

Left: 278.333+/-0.043 χ^2/NDF: 1805940.0/27

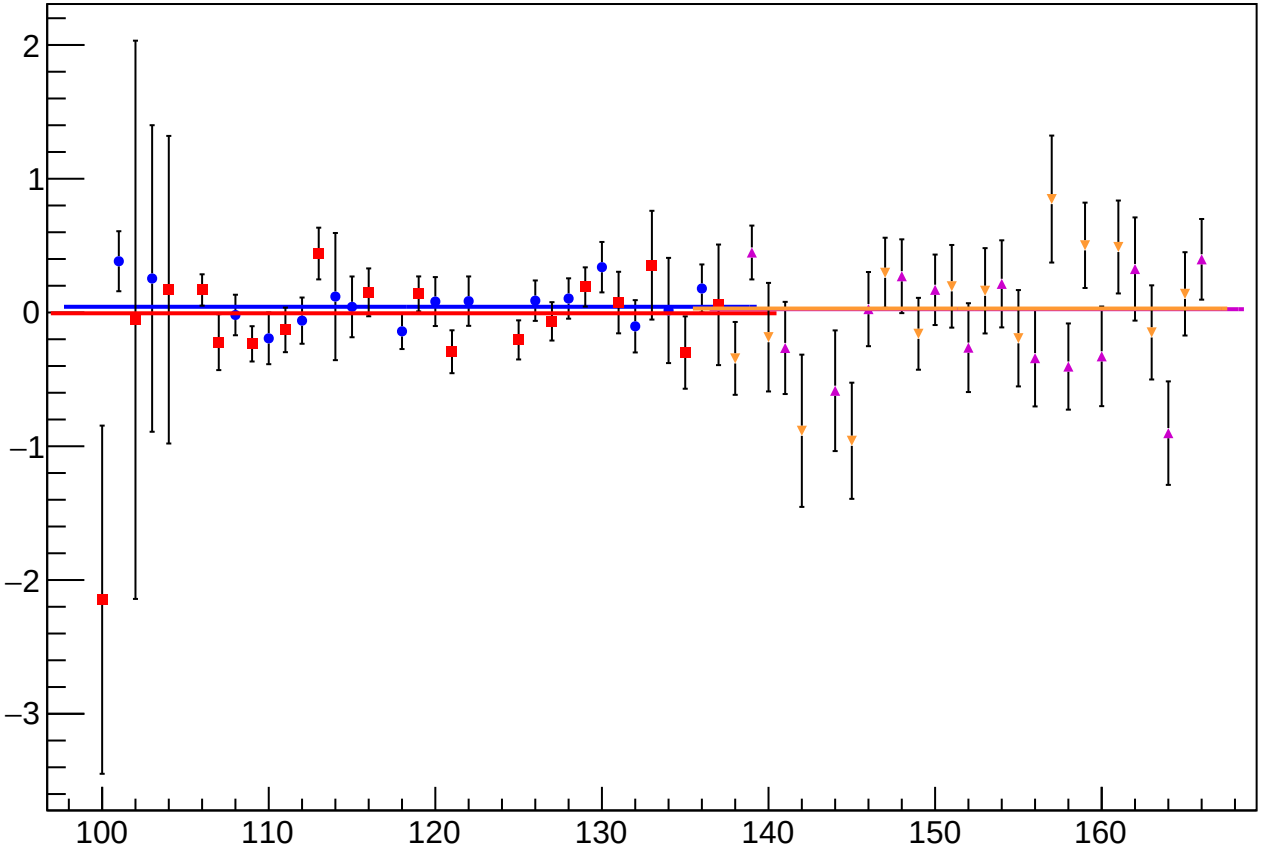
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 154.729+/-0.029 χ^2/NDF:7843258.1/29

Out: 136.337+/-0.028 χ^2/NDF:10487737.3/31

All: 145.040+/-0.020 χ^2/NDF: 18541234.6/61

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.030+/-0.089 χ^2/NDF:19.6/13

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.083 χ^2/NDF:20.7/13

Left: 0.027+/-0.061 χ^2/NDF: 40.3/27

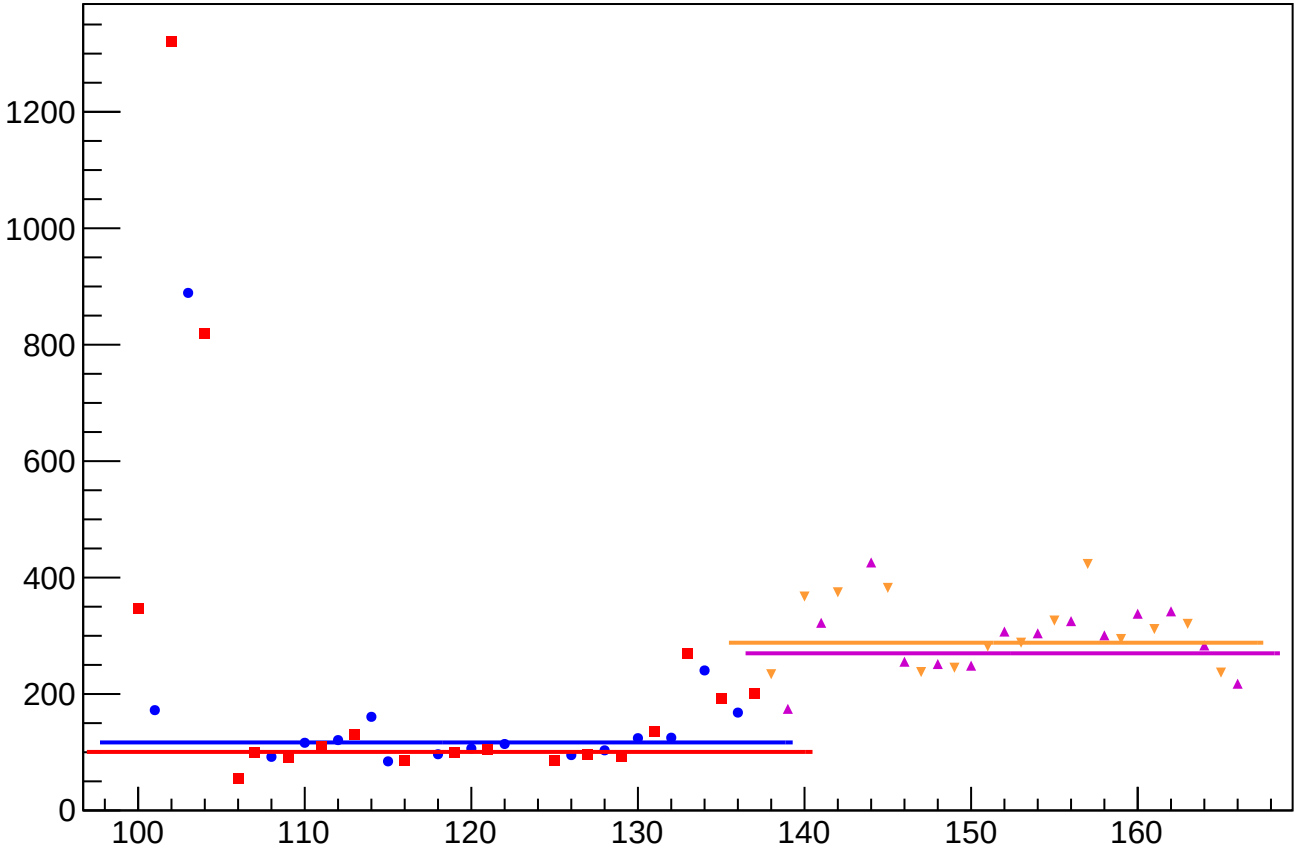
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.038+/-0.041 χ^2/NDF:31.0/29

Out: 0.001+/-0.039 χ^2/NDF:45.8/31

All: 0.019+/-0.028 χ^2/NDF: 77.2/61

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.135+/-0.063 χ^2/NDF:687418.3/13

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.920+/-0.059 χ^2/NDF:1073779.1/13

Left: 278.333+/-0.043 χ^2/NDF: 1805940.0/27

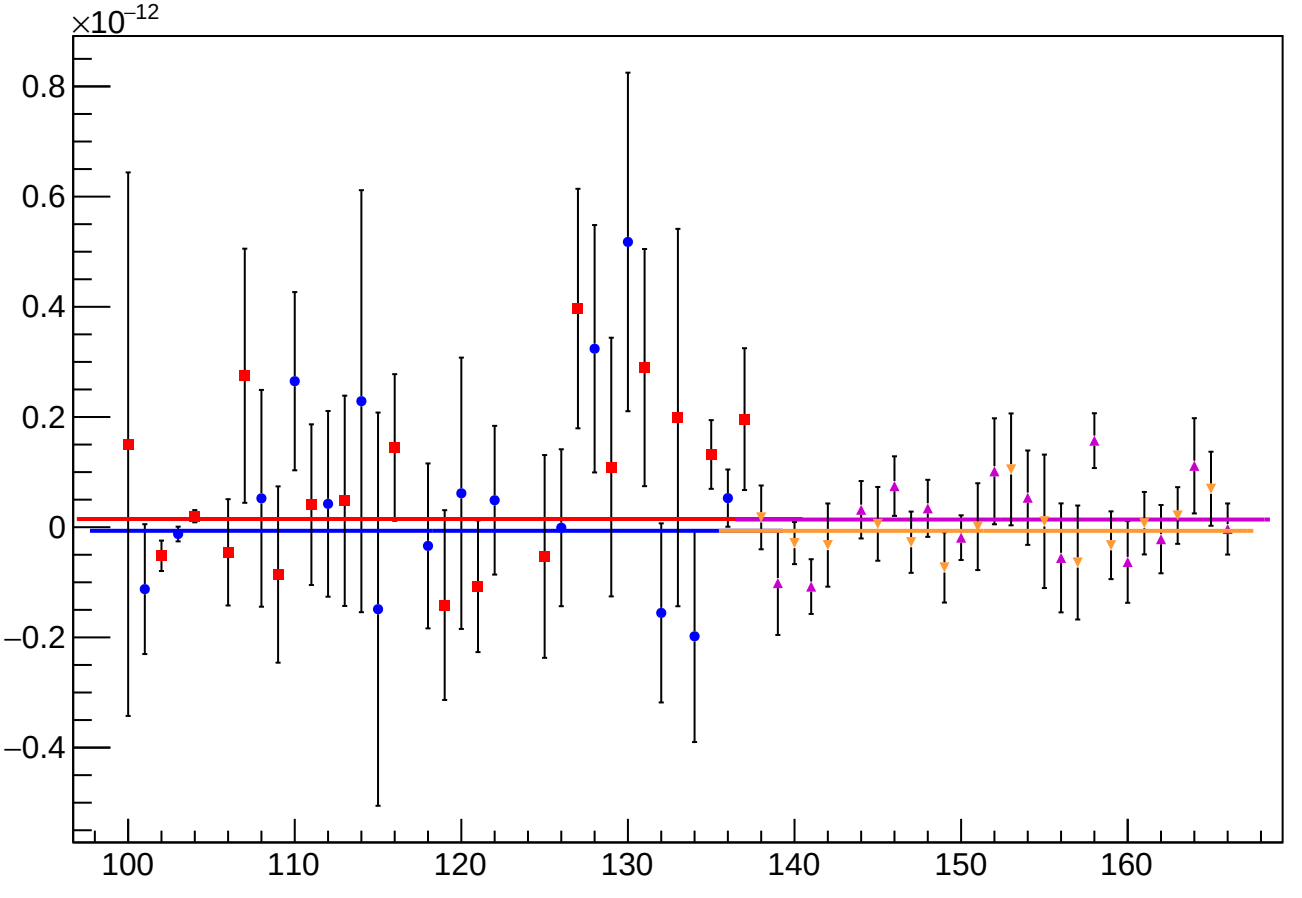
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 154.729+/-0.029 χ^2/NDF:7843258.1/29

Out: 136.337+/-0.028 χ^2/NDF:10487737.3/31

All: 145.040+/-0.020 χ^2/NDF: 18541234.6/61

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:22.3/13

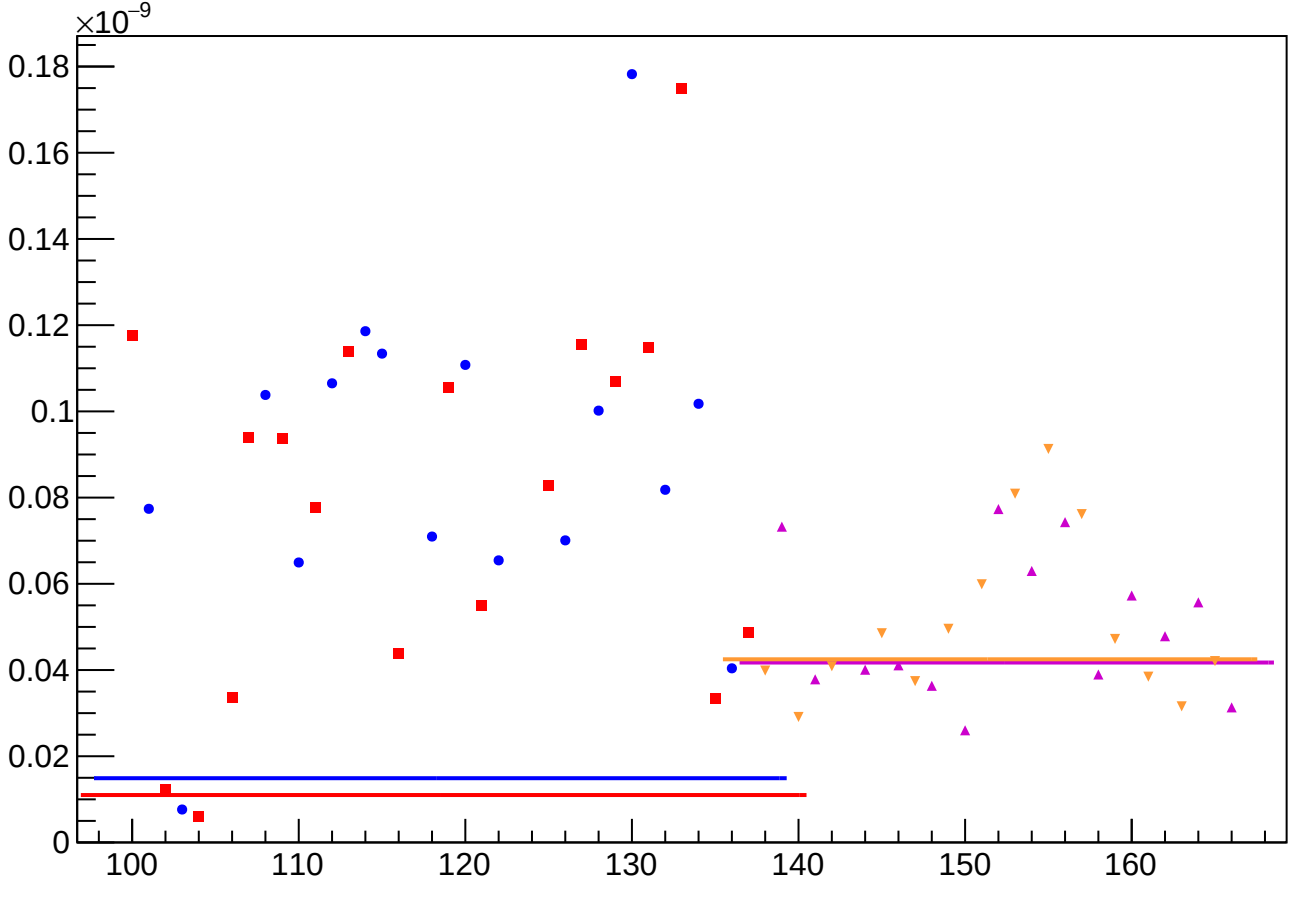
Left: 0.000+/-0.000 χ^2/NDF: 28.4/27

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:36.4/29

Out: 0.000+/-0.000 χ^2/NDF:28.4/31

All: 0.000+/-0.000 χ^2/NDF: 65.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340264.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1440741.5/13

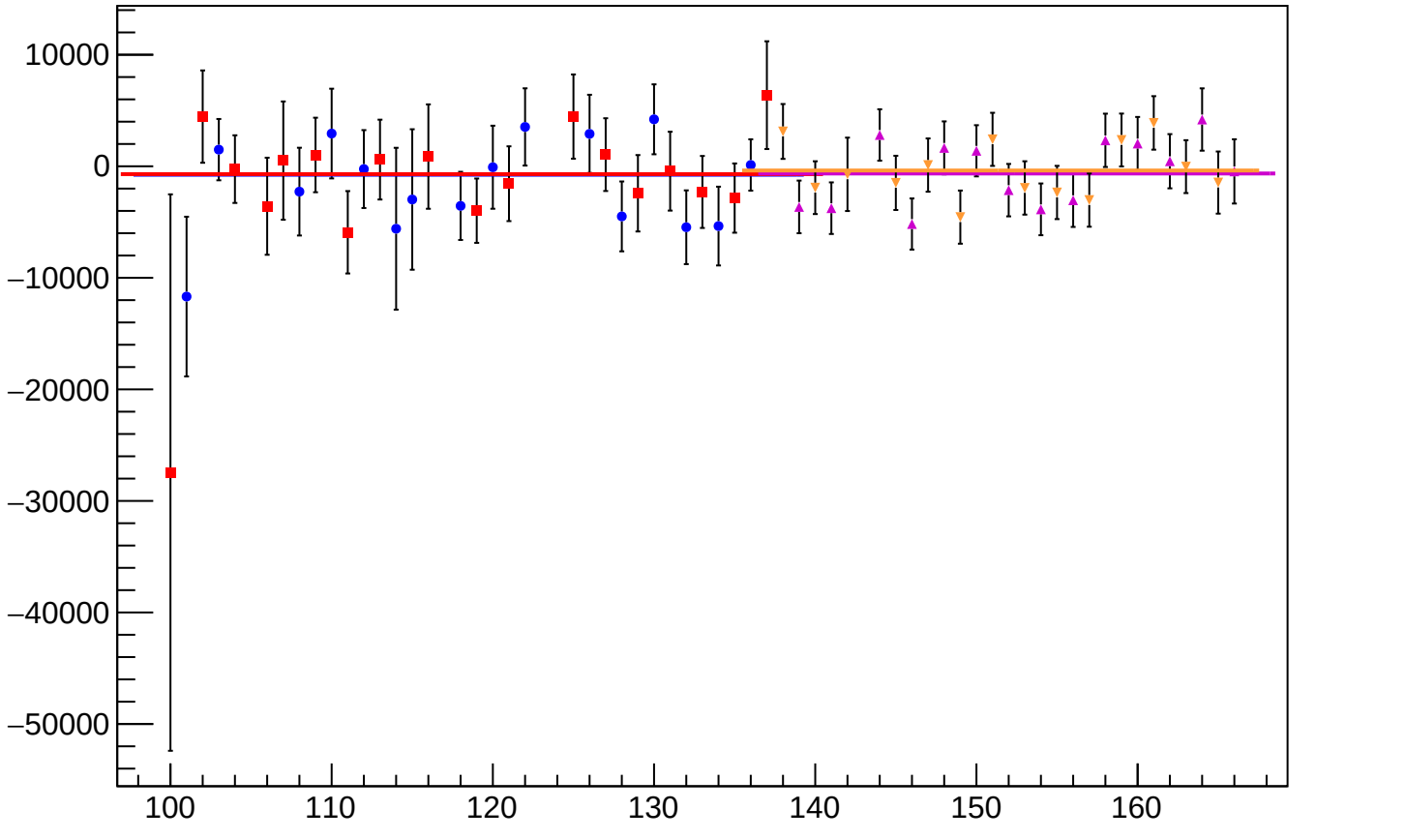
Left: 0.000+/-0.000 χ^2/NDF: 2783119.5/27

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10885445.1/29

Out: 0.000+/-0.000 χ^2/NDF:12430571.2/31

All: 0.000+/-0.000 χ^2/NDF: 23757468.3/61



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -379.855+/-656.796 χ^2/NDF:14.2/13

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -646.089+/-642.516 χ^2/NDF:20.6/13

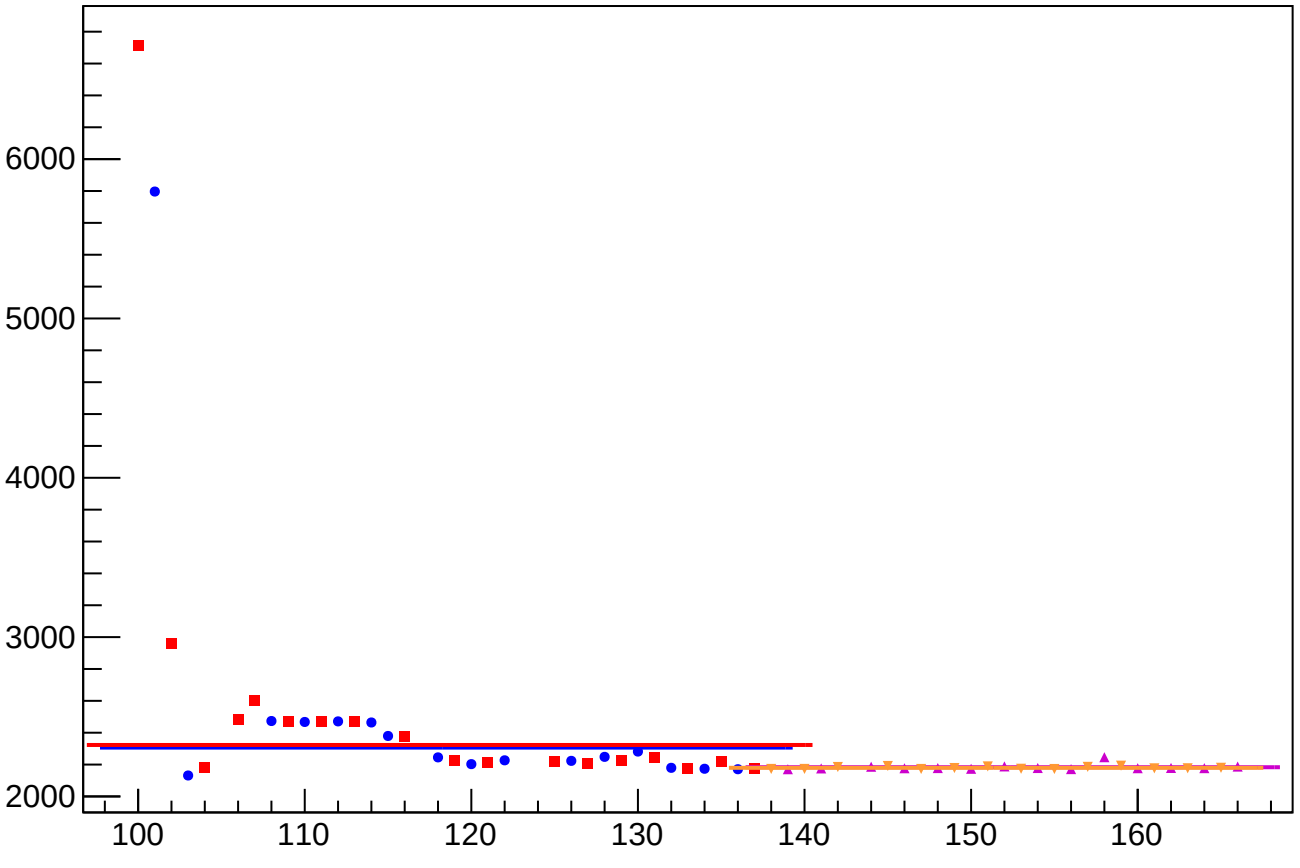
Left: -515.898+/-459.293 χ^2/NDF: 34.9/27

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -684.126+/-517.400 χ^2/NDF:36.5/29

Out: -497.107+/-523.895 χ^2/NDF:26.6/31

All: -591.783+/-368.132 χ^2/NDF: 63.2/61



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.365+/-0.454 χ^2/NDF:1625.2/13

Left: 2181.550+/-0.325 χ^2/NDF: 1902.5/27

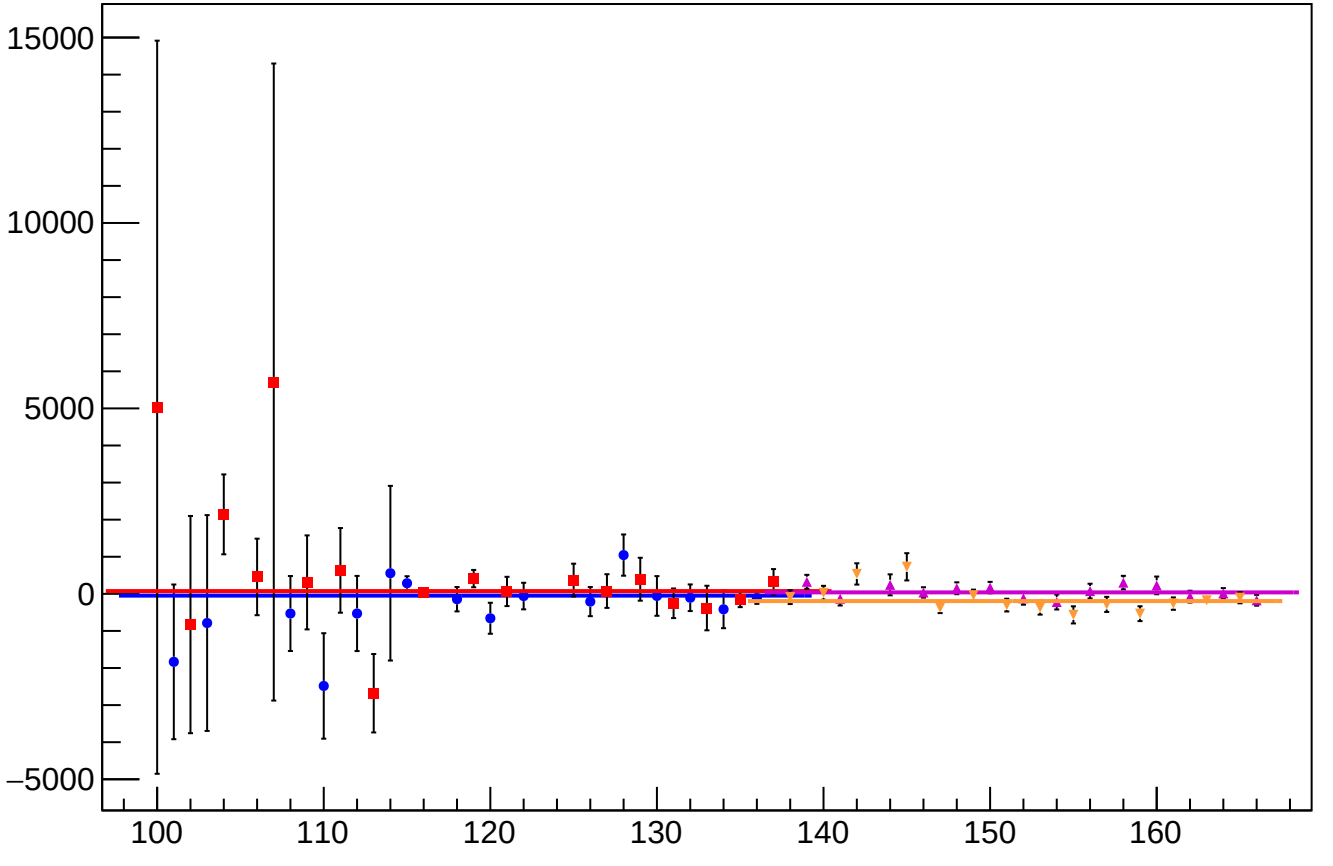
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2226.702+/-0.366 χ^2/NDF:541657.9/29

Out: 2231.799+/-0.370 χ^2/NDF:186690.5/31

All: 2229.219+/-0.260 χ^2/NDF: 728444.2/61

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -194.953+/-47.823 χ^2/NDF:24.6/13

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 39.244+/-46.067 χ^2/NDF:12.8/13

Left: -73.476+/-33.178 χ^2/NDF: 49.8/27

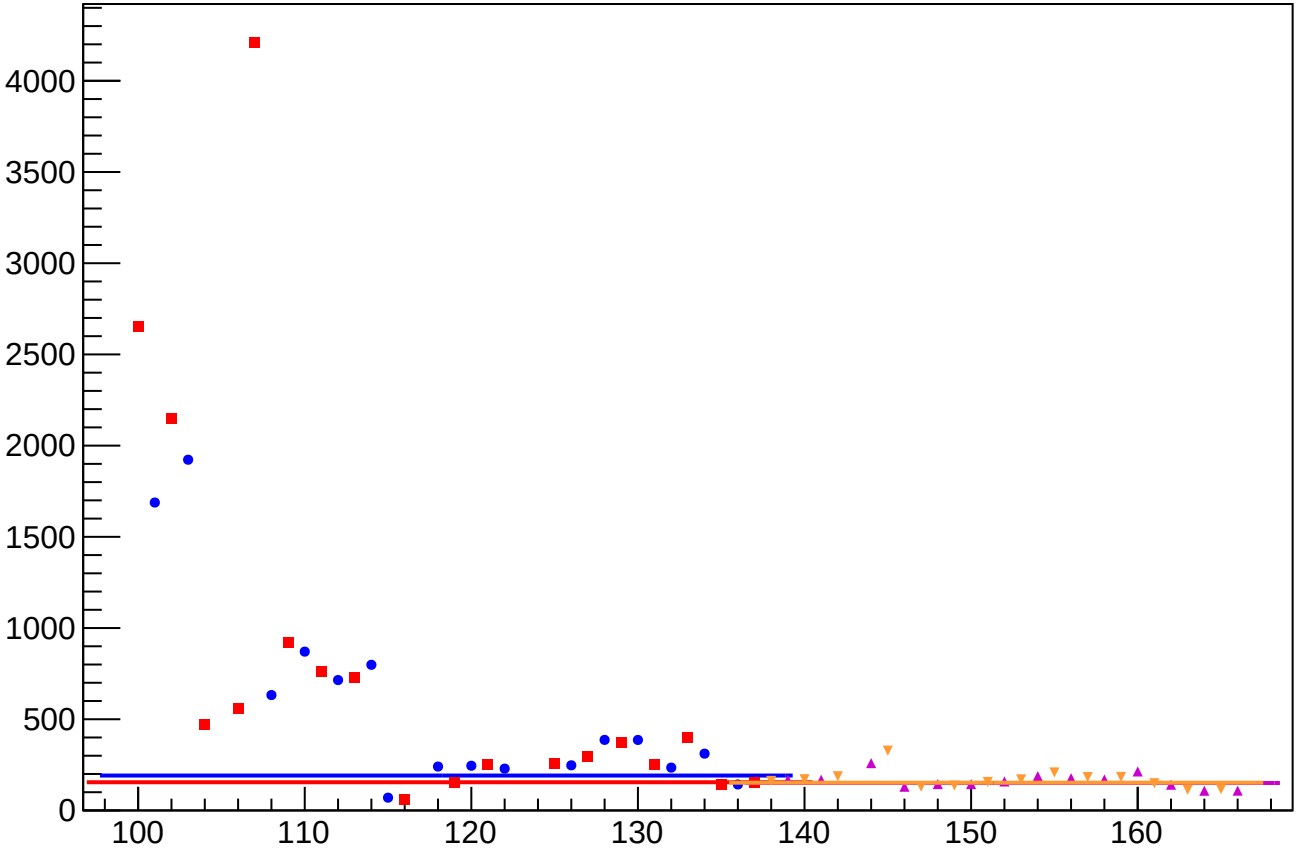
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.435+/-41.093 χ^2/NDF:27.9/29

Out: -127.116+/-41.359 χ^2/NDF:50.2/31

All: -52.360+/-29.151 χ^2/NDF: 84.6/61

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 152.251+/-0.034 χ^2/NDF:1106979.1/13

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 150.571+/-0.033 χ^2/NDF:1010094.3/13

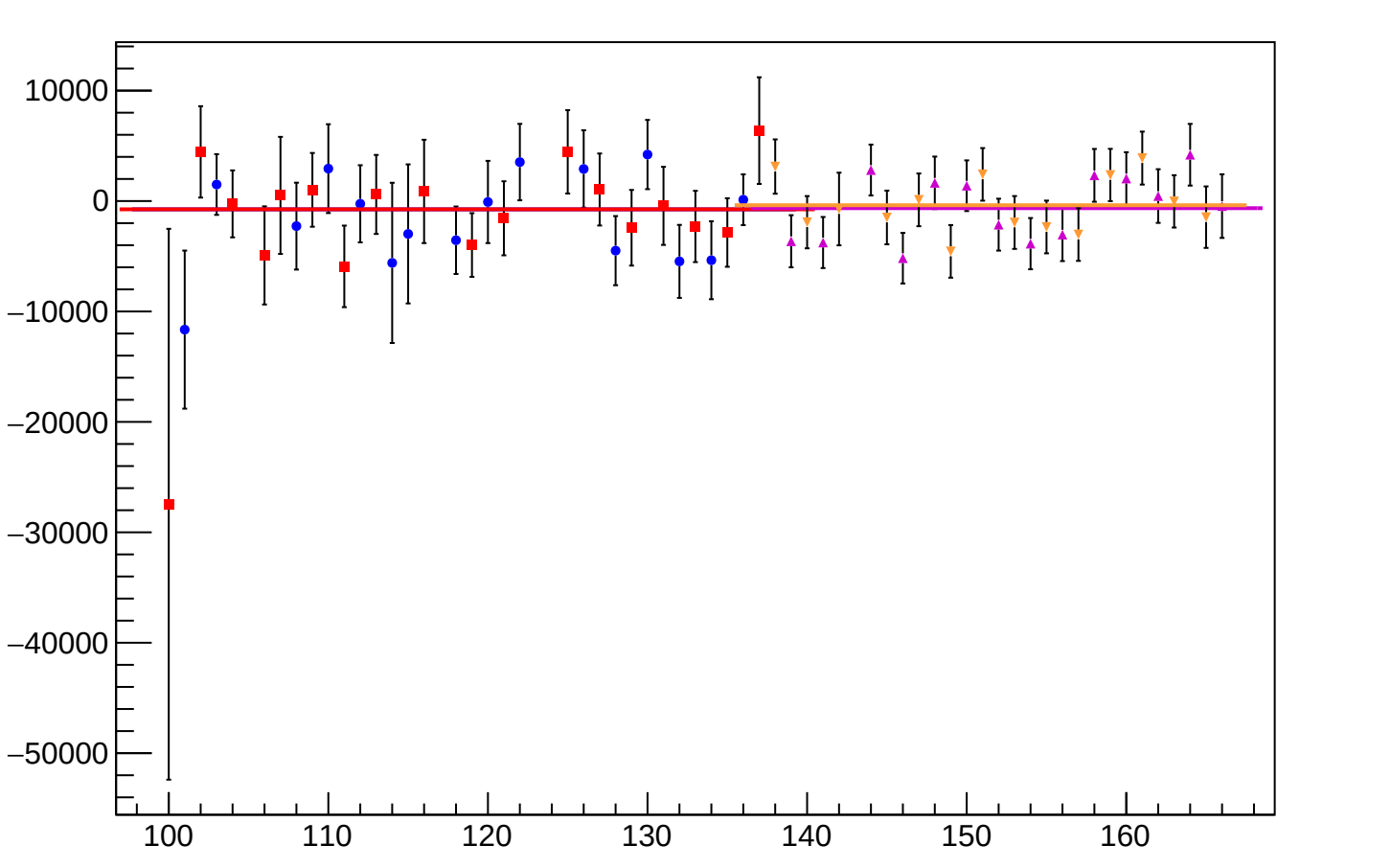
Left: 151.380+/-0.023 χ^2/NDF: 2118353.4/27

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 158.909+/-0.029 χ^2/NDF:6395494.0/29

Out: 152.862+/-0.029 χ^2/NDF:7262561.6/31

All: 155.905+/-0.021 χ^2/NDF: 13679564.1/61



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -646.001+/-642.516 χ^2/NDF:20.6/13

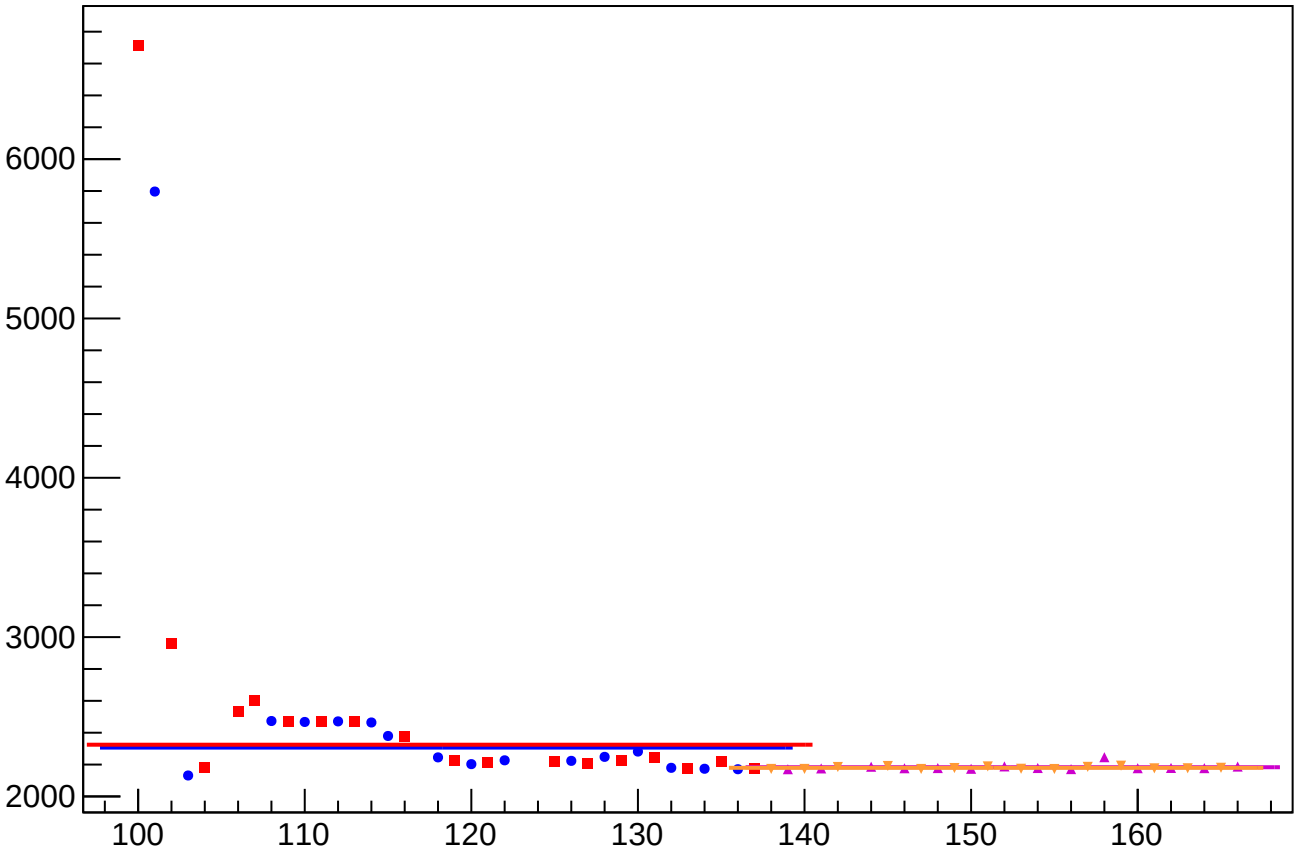
Left: -515.848+/-459.293 χ^2/NDF: 34.9/27

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -683.728+/-517.400 χ^2/NDF:36.5/29

Out: -514.098+/-524.053 χ^2/NDF:27.1/31

All: -599.997+/-368.187 χ^2/NDF: 63.7/61



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.365+/-0.454 χ^2/NDF:1625.2/13

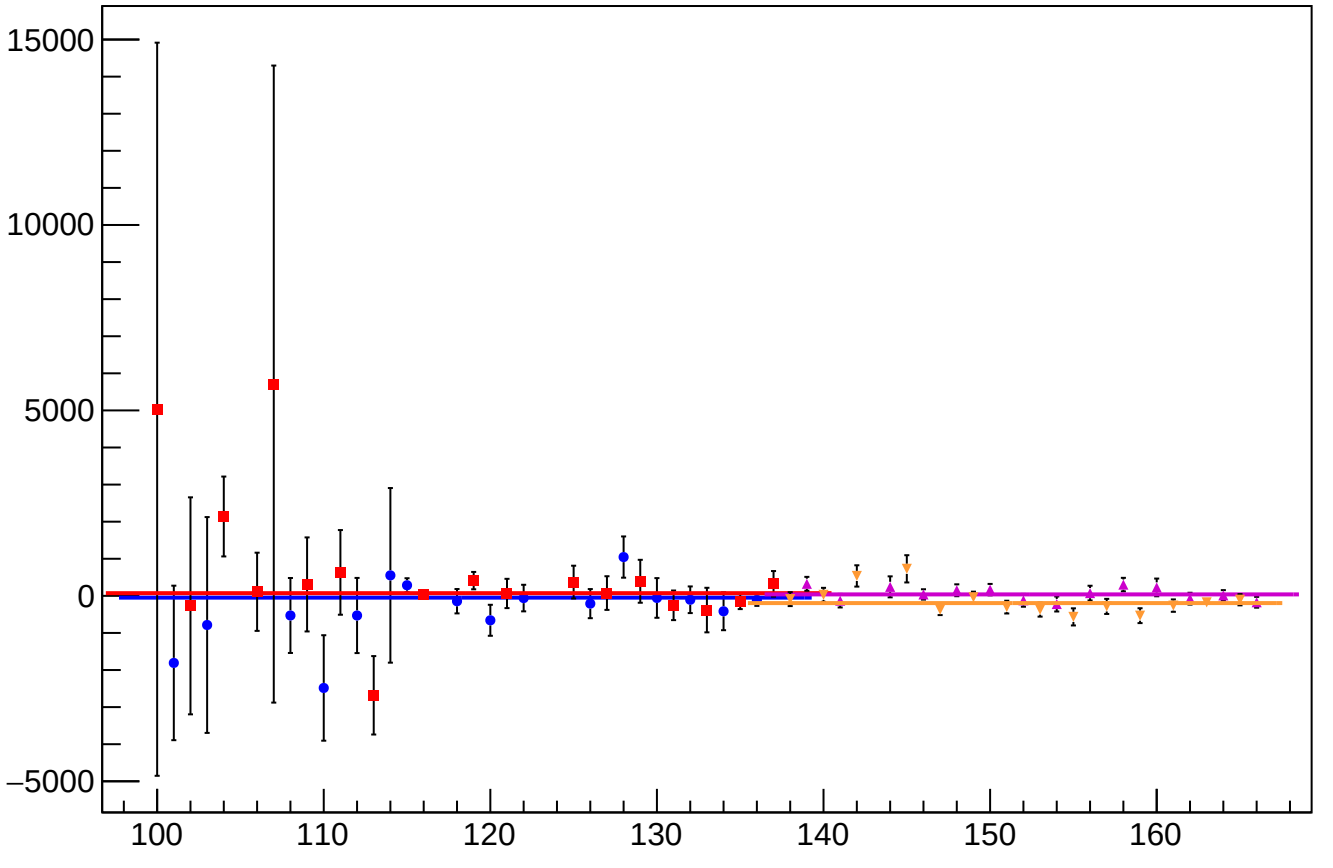
Left: 2181.550+/-0.325 χ^2/NDF: 1902.5/27

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2226.702+/-0.366 χ^2/NDF:541658.2/29

Out: 2232.353+/-0.371 χ^2/NDF:189258.9/31

All: 2229.491+/-0.260 χ^2/NDF: 731034.8/61



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 39.169+/-46.070 χ^2/NDF:12.8/13

Left: -73.535+/-33.179 χ^2/NDF: 49.8/27

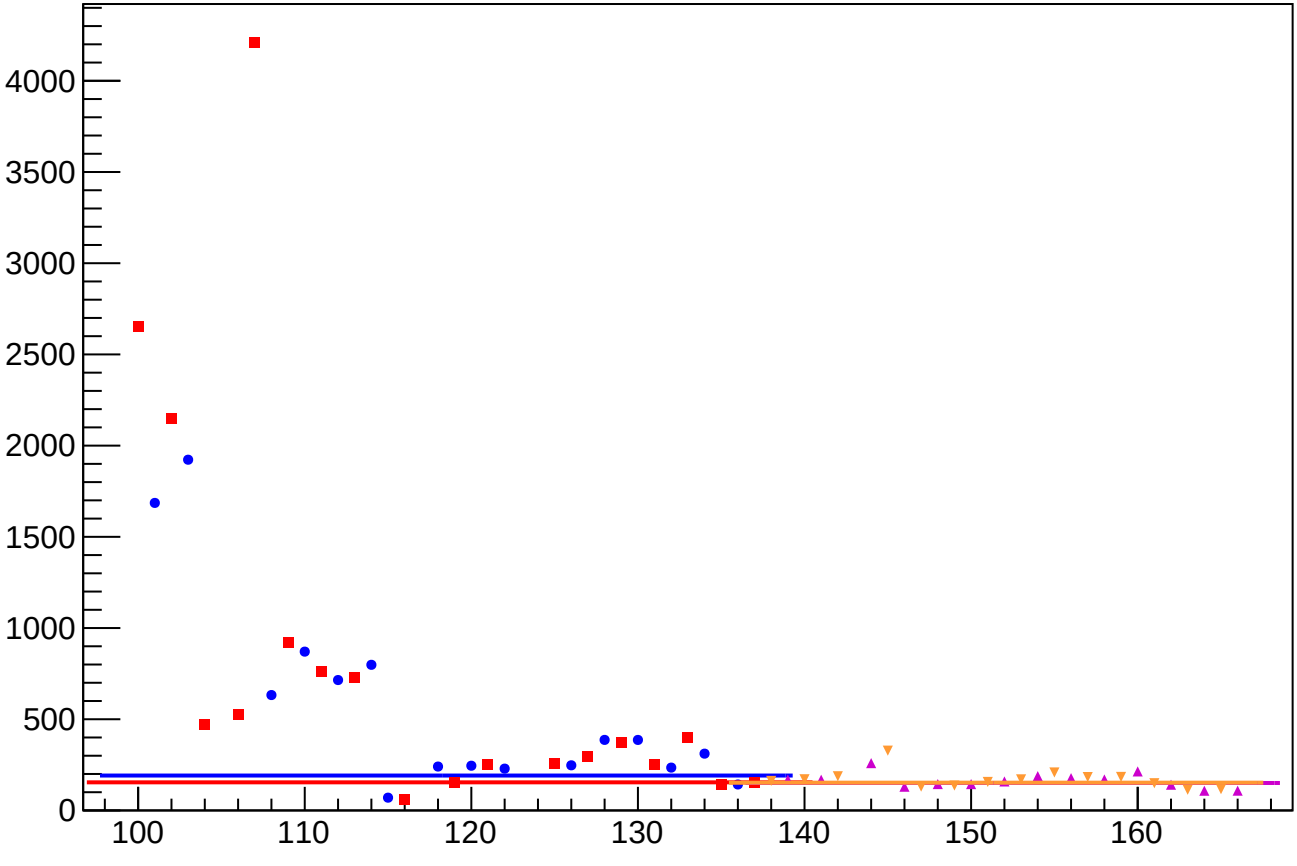
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.369+/-41.095 χ^2/NDF:27.9/29

Out: -127.567+/-41.352 χ^2/NDF:49.8/31

All: -52.635+/-29.149 χ^2/NDF: 84.3/61

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 150.581+/-0.033 χ^2/NDF:1010458.5/13

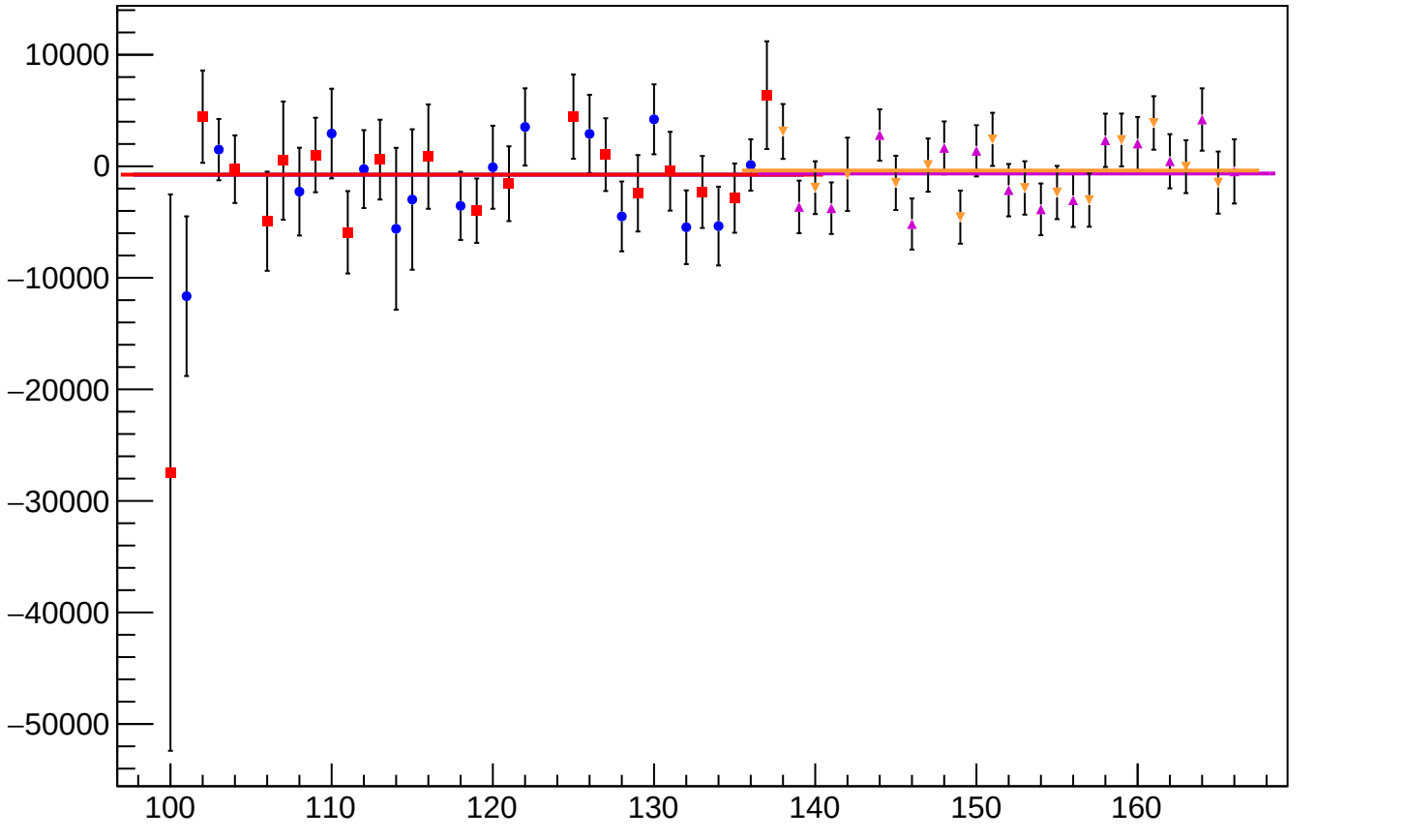
Left: 151.386+/-0.023 χ^2/NDF: 2118864.4/27

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.921+/-0.029 χ^2/NDF:6394903.0/29

Out: 152.725+/-0.029 χ^2/NDF:7216571.2/31

All: 155.843+/-0.021 χ^2/NDF: 13634067.9/61



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -646.001+/-642.516 χ^2/NDF:20.6/13

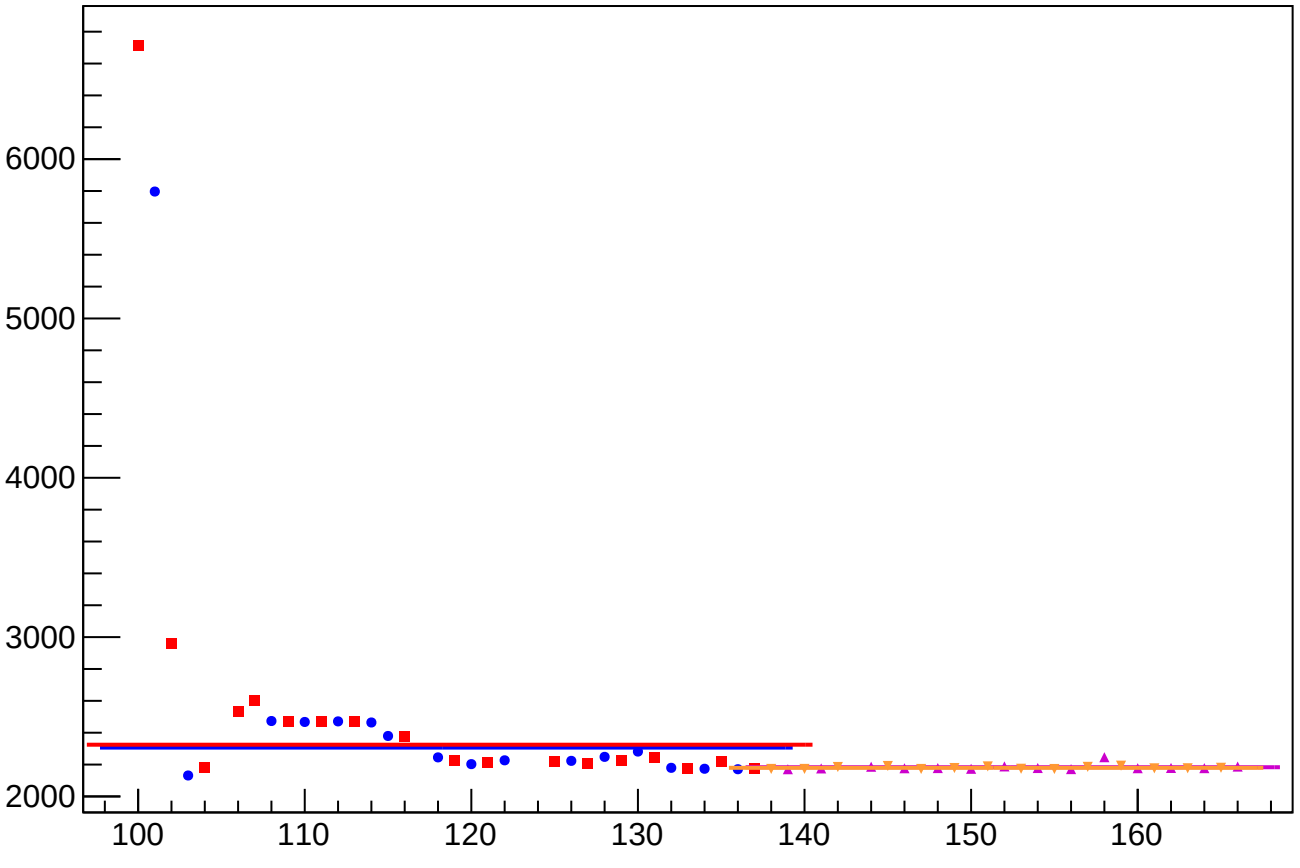
Left: -515.848+/-459.293 χ^2/NDF: 34.9/27

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -683.728+/-517.400 χ^2/NDF:36.5/29

Out: -514.098+/-524.053 χ^2/NDF:27.1/31

All: -599.997+/-368.187 χ^2/NDF: 63.7/61



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.365+/-0.454 χ^2/NDF:1625.2/13

Left: 2181.550+/-0.325 χ^2/NDF: 1902.5/27

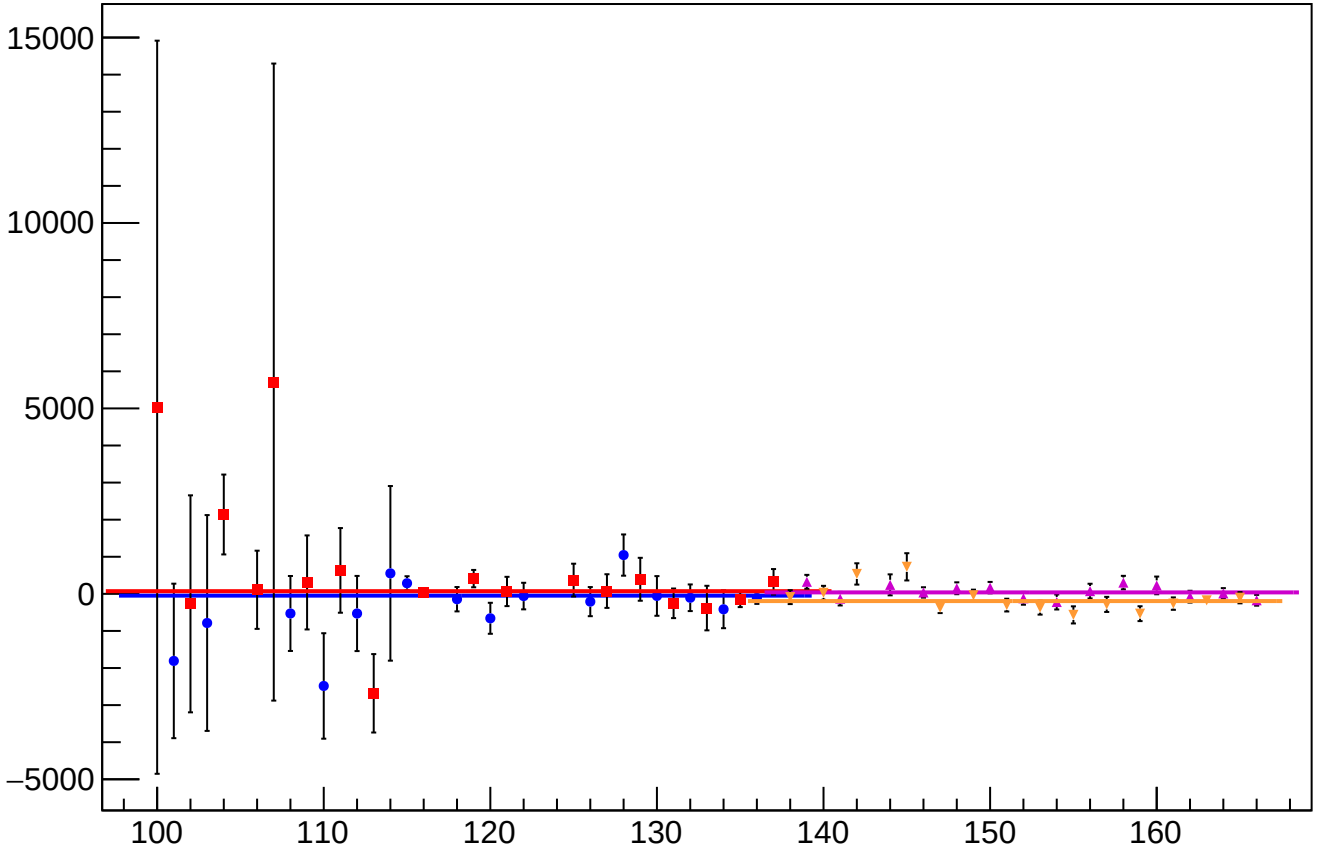
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2226.702+/-0.366 χ^2/NDF:541658.2/29

Out: 2232.353+/-0.371 χ^2/NDF:189258.9/31

All: 2229.491+/-0.260 χ^2/NDF: 731034.8/61

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 39.169+/-46.070 χ^2/NDF:12.8/13

Left: -73.535+/-33.179 χ^2/NDF: 49.8/27

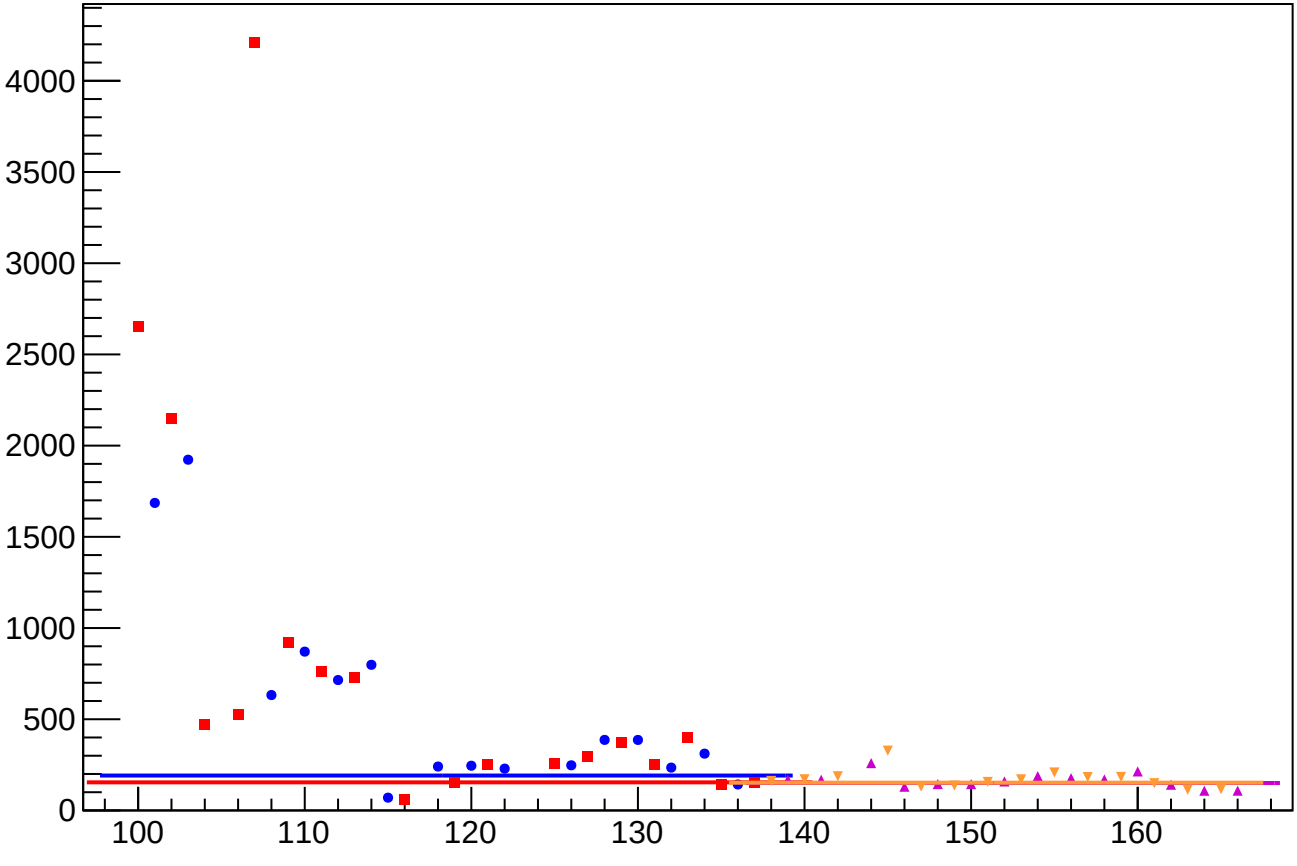
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.369+/-41.095 χ^2/NDF:27.9/29

Out: -127.567+/-41.352 χ^2/NDF:49.8/31

All: -52.635+/-29.149 χ^2/NDF: 84.3/61

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 150.581+/-0.033 χ^2/NDF:1010458.5/13

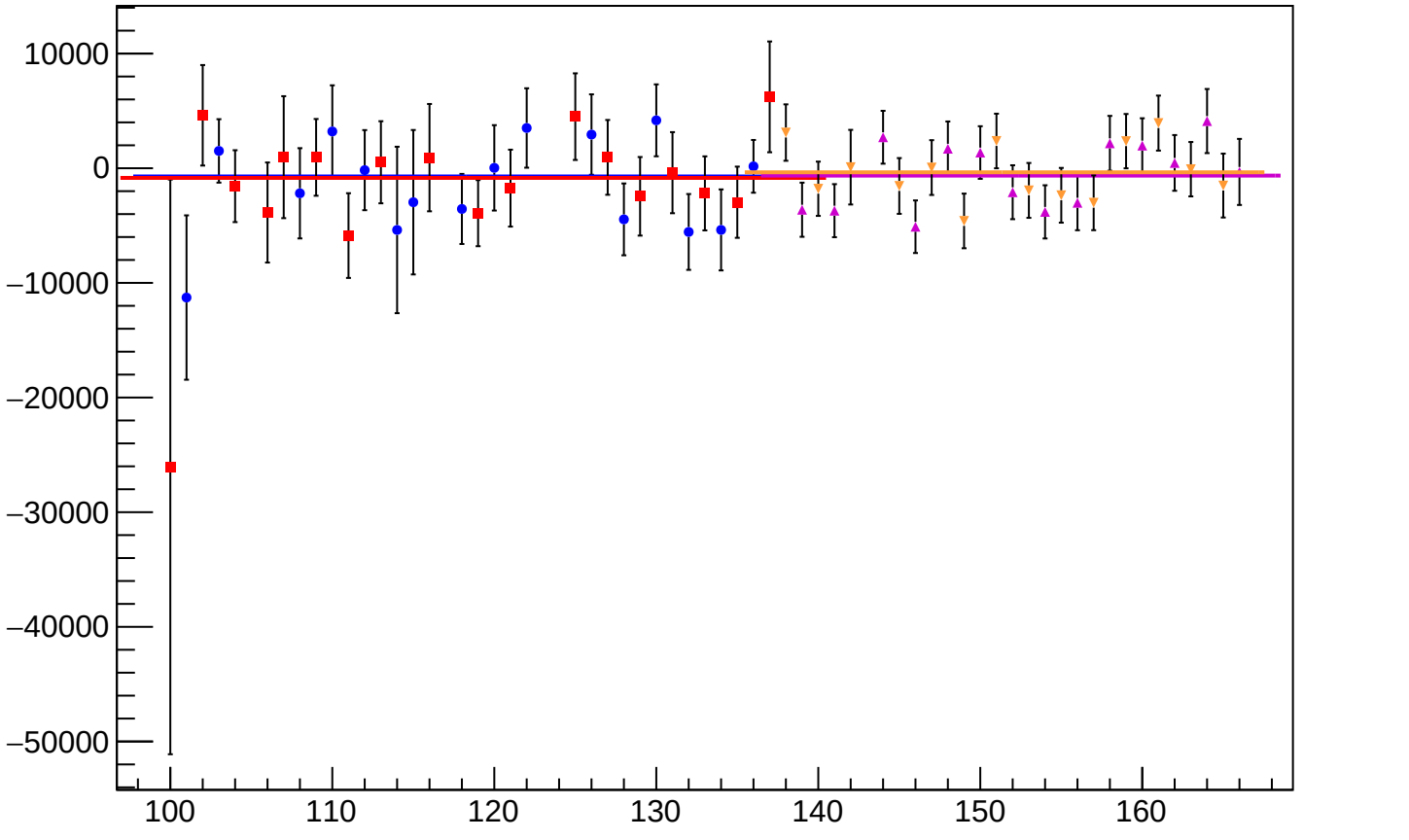
Left: 151.386+/-0.023 χ^2/NDF: 2118864.4/27

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.921+/-0.029 χ^2/NDF:6394903.0/29

Out: 152.725+/-0.029 χ^2/NDF:7216571.2/31

All: 155.843+/-0.021 χ^2/NDF: 13634067.9/61



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -354.228+/-656.733 χ^2/NDF:14.2/13

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -642.795+/-642.748 χ^2/NDF:19.9/13

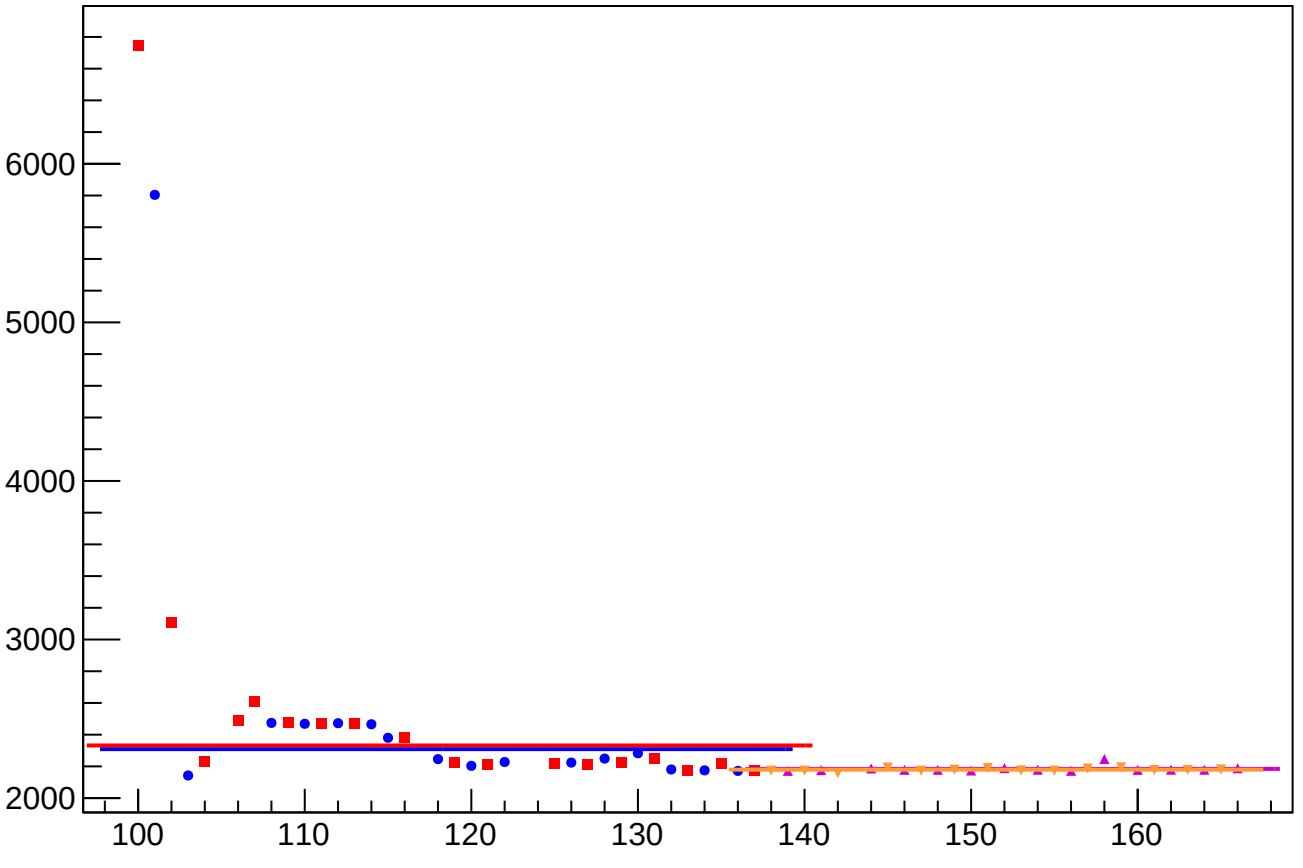
Left: -501.617+/-459.356 χ^2/NDF: 34.2/27

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -668.906+/-517.706 χ^2/NDF:35.7/29

Out: -530.412+/-524.941 χ^2/NDF:26.6/31

All: -600.620+/-368.605 χ^2/NDF: 62.3/61



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.155+/-0.454 χ^2/NDF:1617.1/13

Left: 2181.735+/-0.325 χ^2/NDF: 2020.3/27

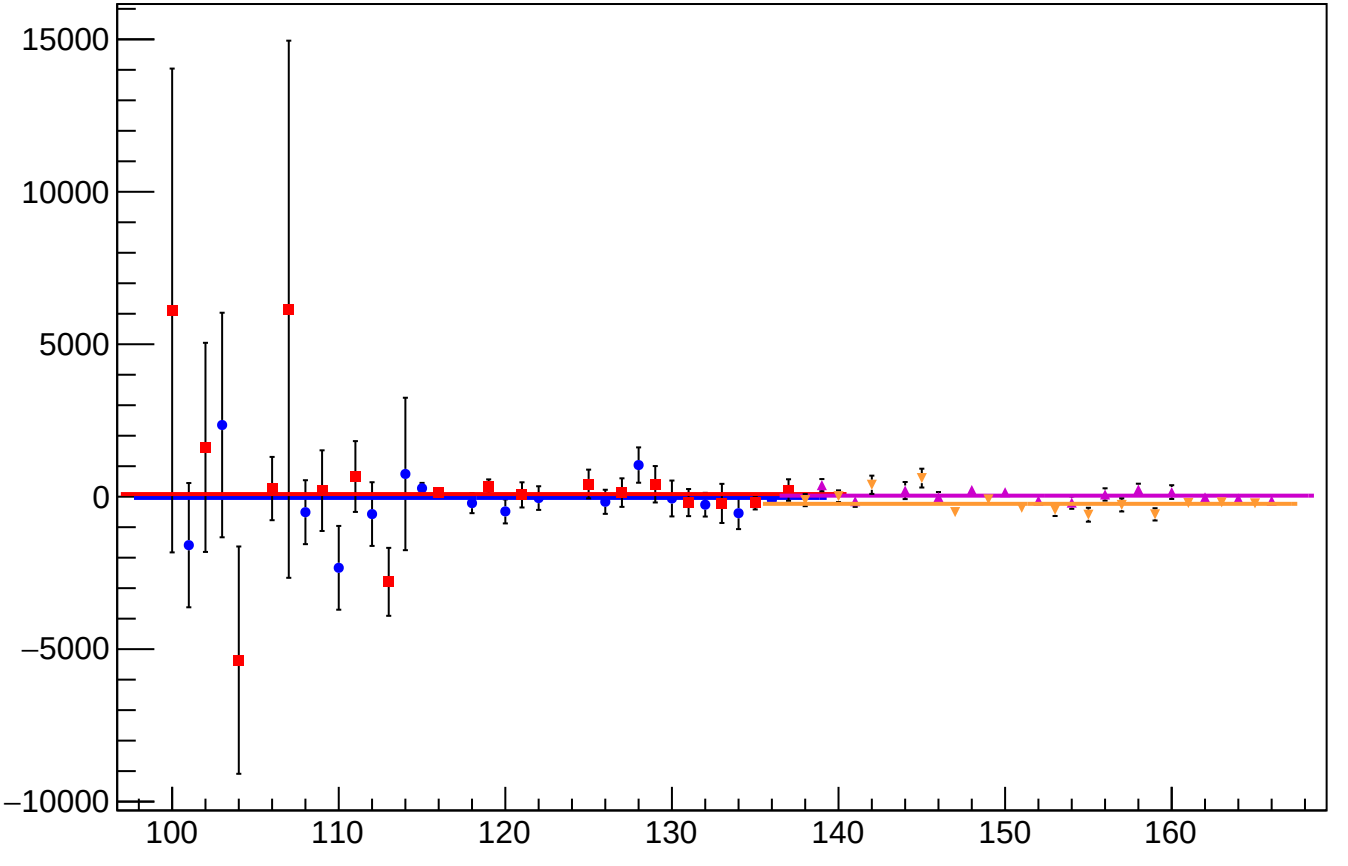
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2227.914+/-0.366 χ^2/NDF:541751.7/29

Out: 2234.325+/-0.371 χ^2/NDF:206679.4/31

All: 2231.075+/-0.261 χ^2/NDF: 748582.3/61

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -233.988+/-47.619 χ^2/NDF:25.2/13

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 34.071+/-46.752 χ^2/NDF:11.7/13

Left: -97.497+/-33.361 χ^2/NDF: 53.0/27

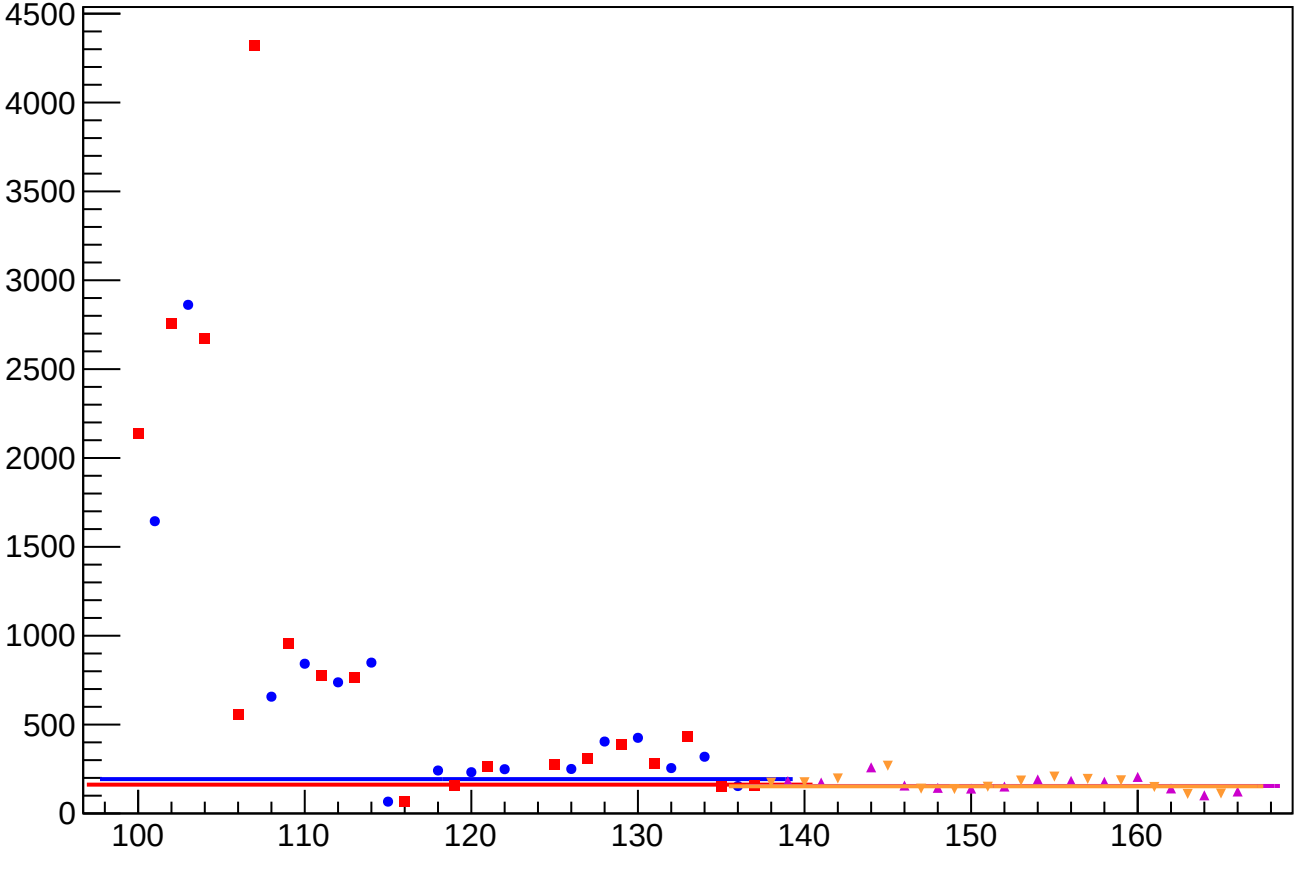
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 18.951+/-41.717 χ^2/NDF:26.3/29

Out: -158.932+/-41.669 χ^2/NDF:50.7/31

All: -70.093+/-29.481 χ^2/NDF: 86.1/61

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 152.823+/-0.034 χ^2/NDF:1118800.1/13

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 154.608+/-0.033 χ^2/NDF:1014106.0/13

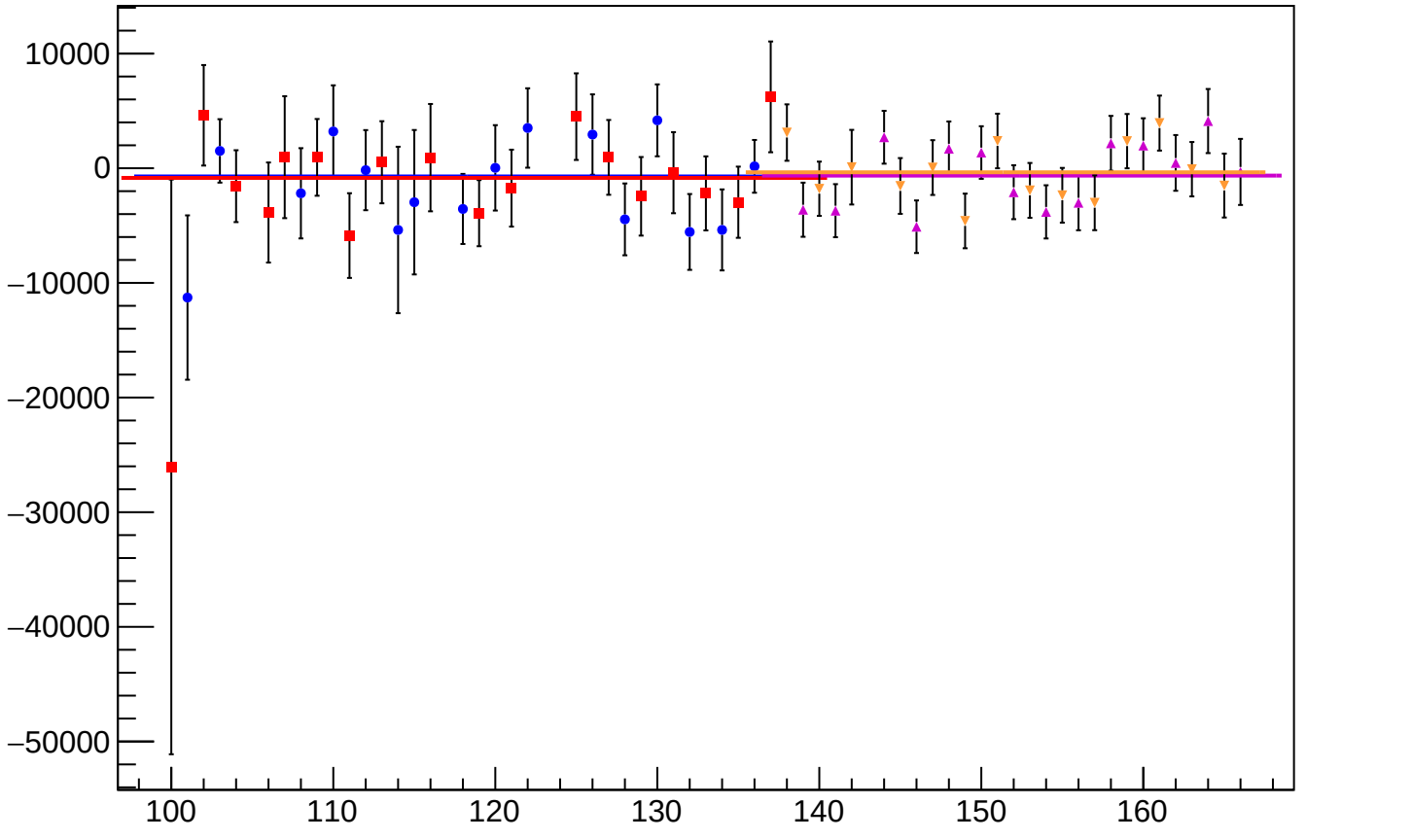
Left: 153.732+/-0.024 χ^2/NDF: 2134337.5/27

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 162.484+/-0.029 χ^2/NDF:6910476.9/29

Out: 155.000+/-0.029 χ^2/NDF:8207127.8/31

All: 158.737+/-0.021 χ^2/NDF: 15149831.4/61



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -354.230+/-656.733 χ^2/NDF:14.2/13

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -642.794+/-642.748 χ^2/NDF:19.9/13

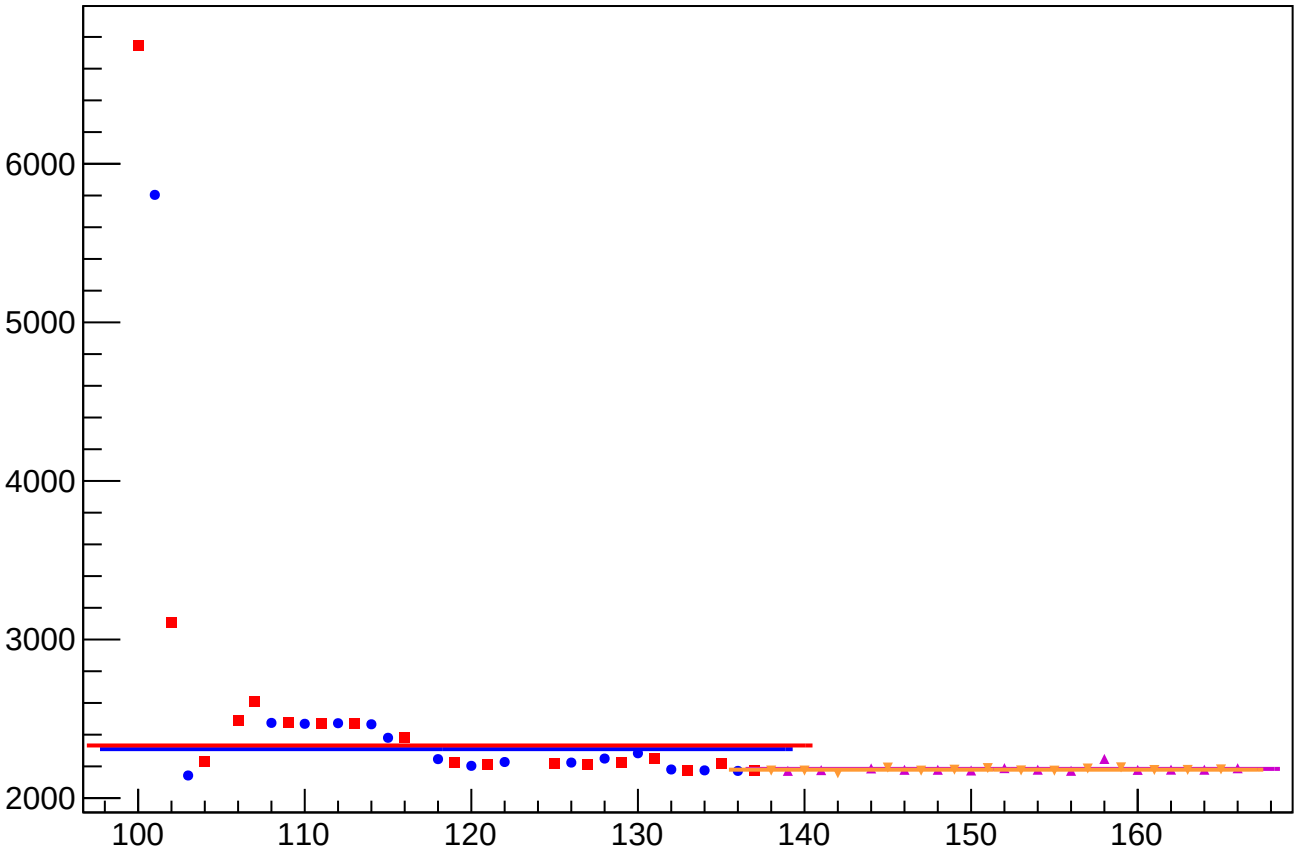
Left: -501.617+/-459.356 χ^2/NDF: 34.2/27

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -668.906+/-517.706 χ^2/NDF:35.7/29

Out: -530.414+/-524.941 χ^2/NDF:26.6/31

All: -600.621+/-368.605 χ^2/NDF: 62.3/61



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.155+/-0.454 χ^2/NDF:1617.1/13

Left: 2181.735+/-0.325 χ^2/NDF: 2020.3/27

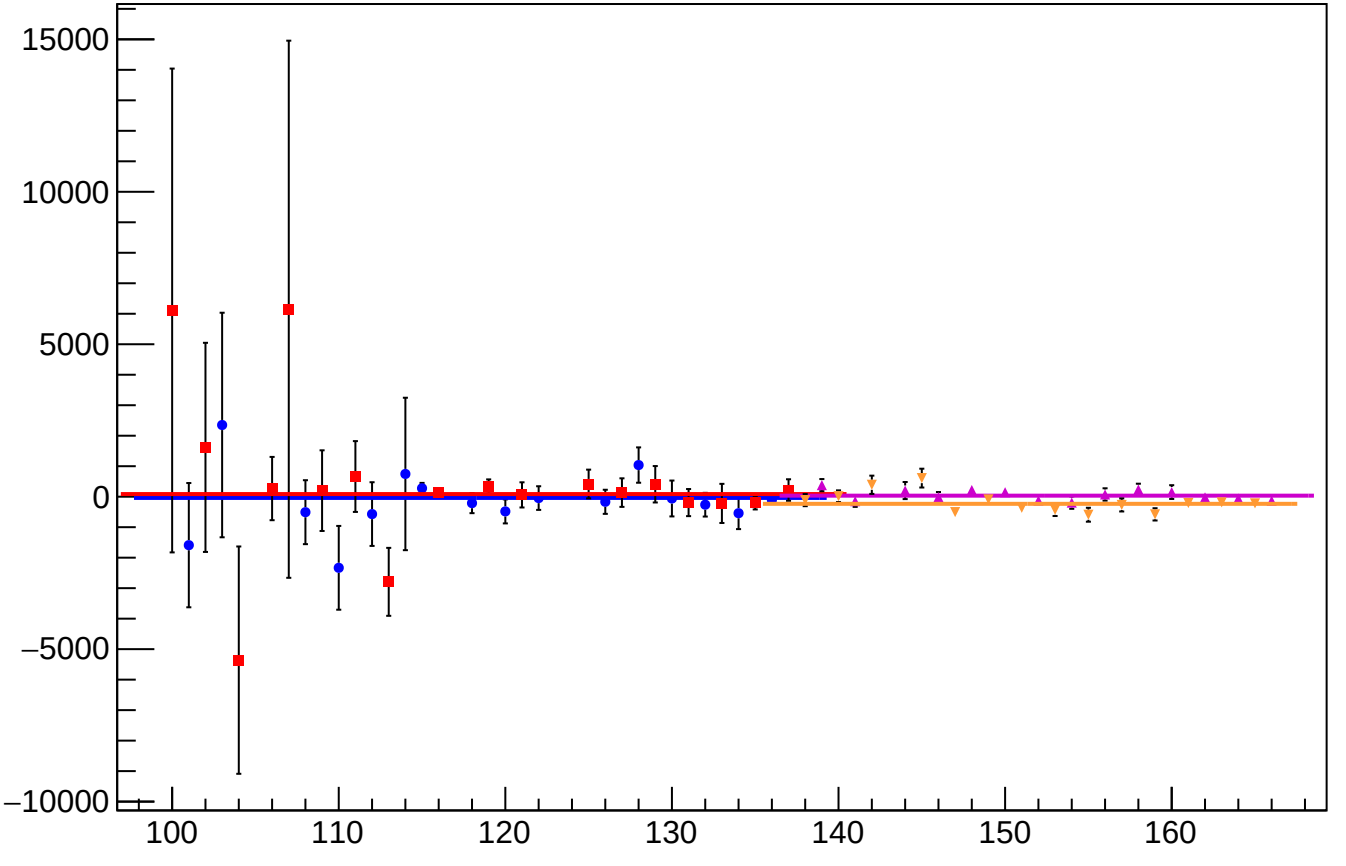
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2227.914+/-0.366 χ^2/NDF:541751.7/29

Out: 2234.325+/-0.371 χ^2/NDF:206679.3/31

All: 2231.075+/-0.261 χ^2/NDF: 748582.2/61

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -233.988+/-47.618 χ^2/NDF:25.2/13

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 34.069+/-46.752 χ^2/NDF:11.7/13

Left: -97.498+/-33.361 χ^2/NDF: 53.0/27

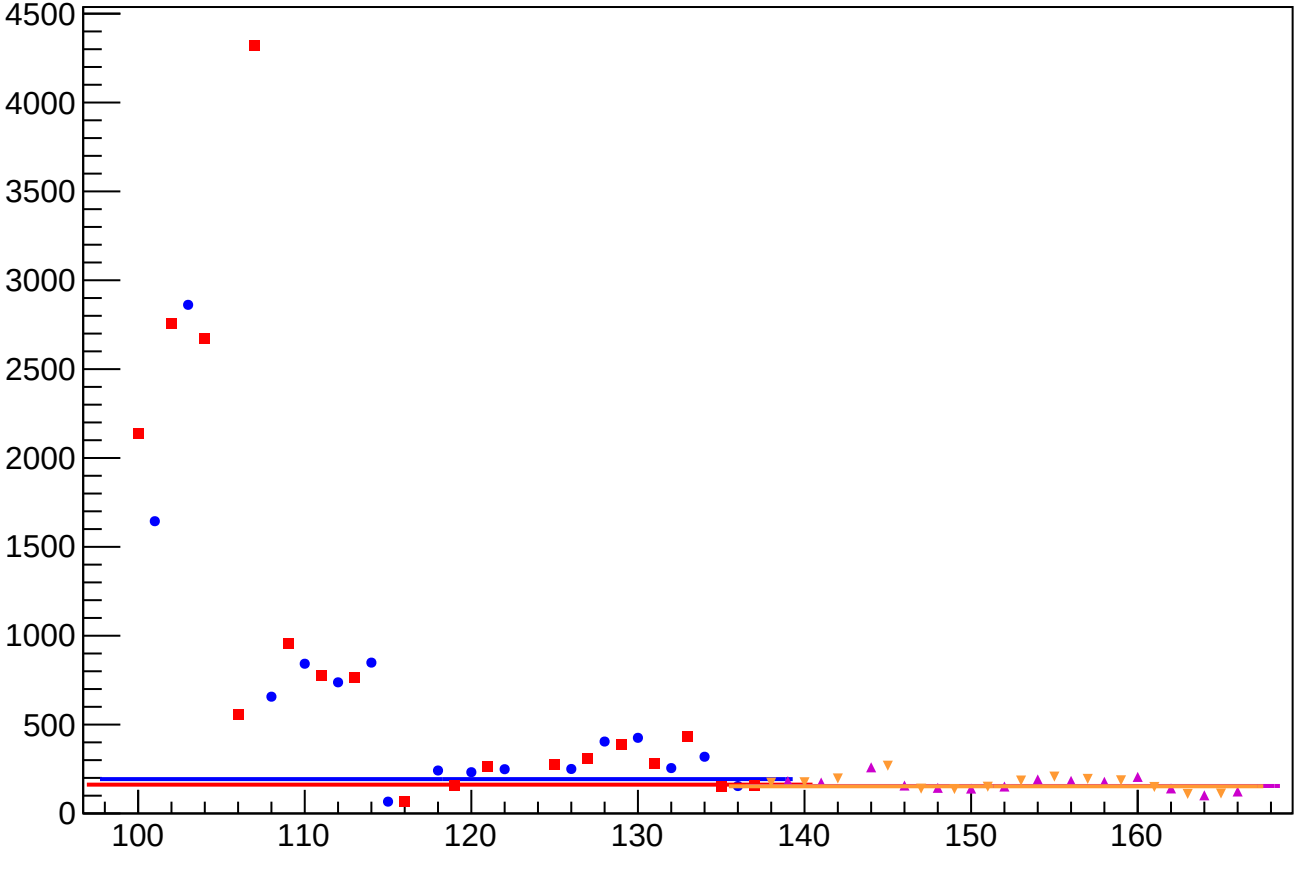
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 18.950+/-41.717 χ^2/NDF:26.3/29

Out: -158.931+/-41.669 χ^2/NDF:50.7/31

All: -70.093+/-29.481 χ^2/NDF: 86.1/61

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 152.822+/-0.034 χ^2/NDF:1118847.4/13

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 154.608+/-0.033 χ^2/NDF:1014148.1/13

Left: 153.732+/-0.024 χ^2/NDF: 2134427.6/27

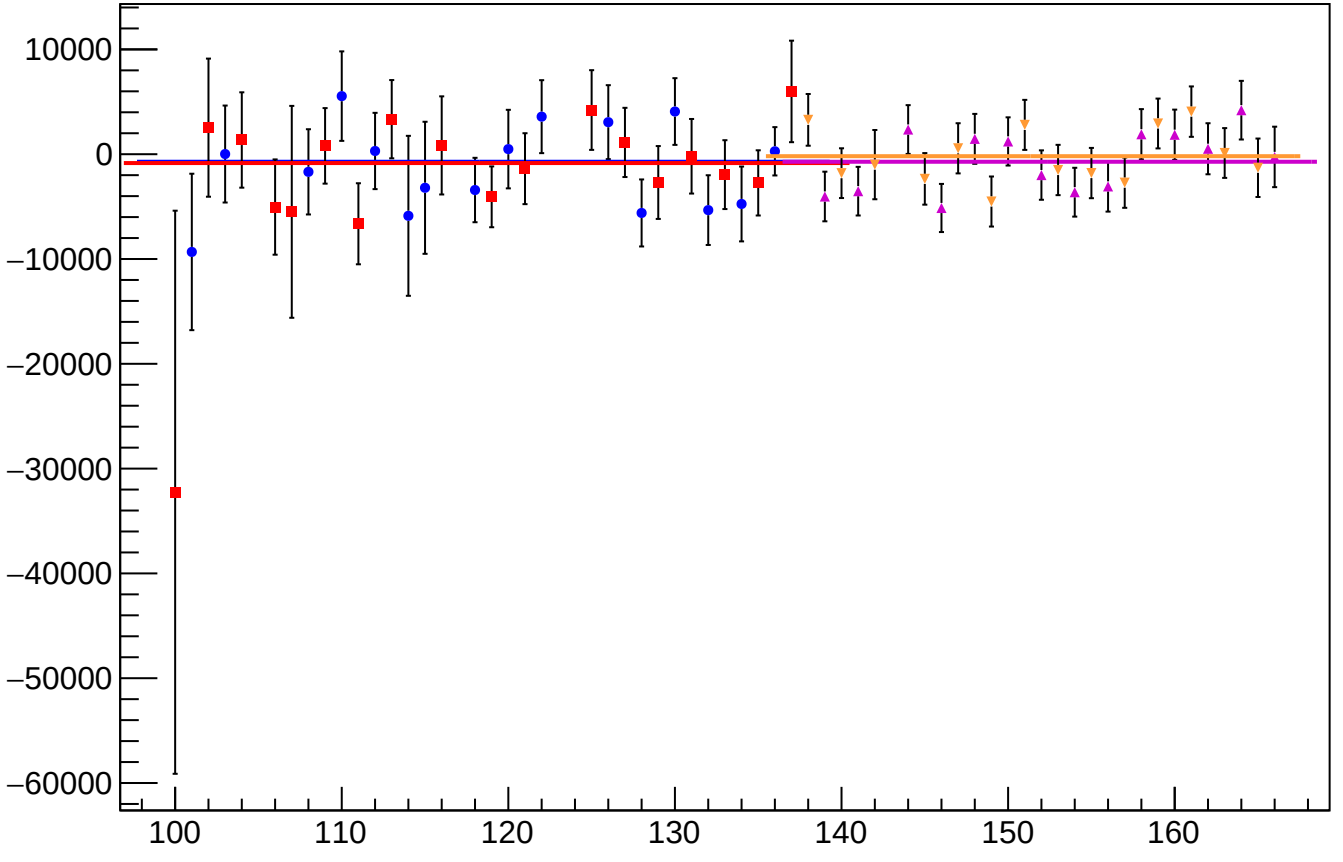
Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 162.484+/-0.029 χ^2/NDF:6910529.3/29

Out: 154.999+/-0.029 χ^2/NDF:8207227.7/31

All: 158.737+/-0.021 χ^2/NDF: 15149987.9/61

asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -189.427+/-659.291 χ^2/NDF:15.1/13

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -720.860+/-644.814 χ^2/NDF:18.9/13

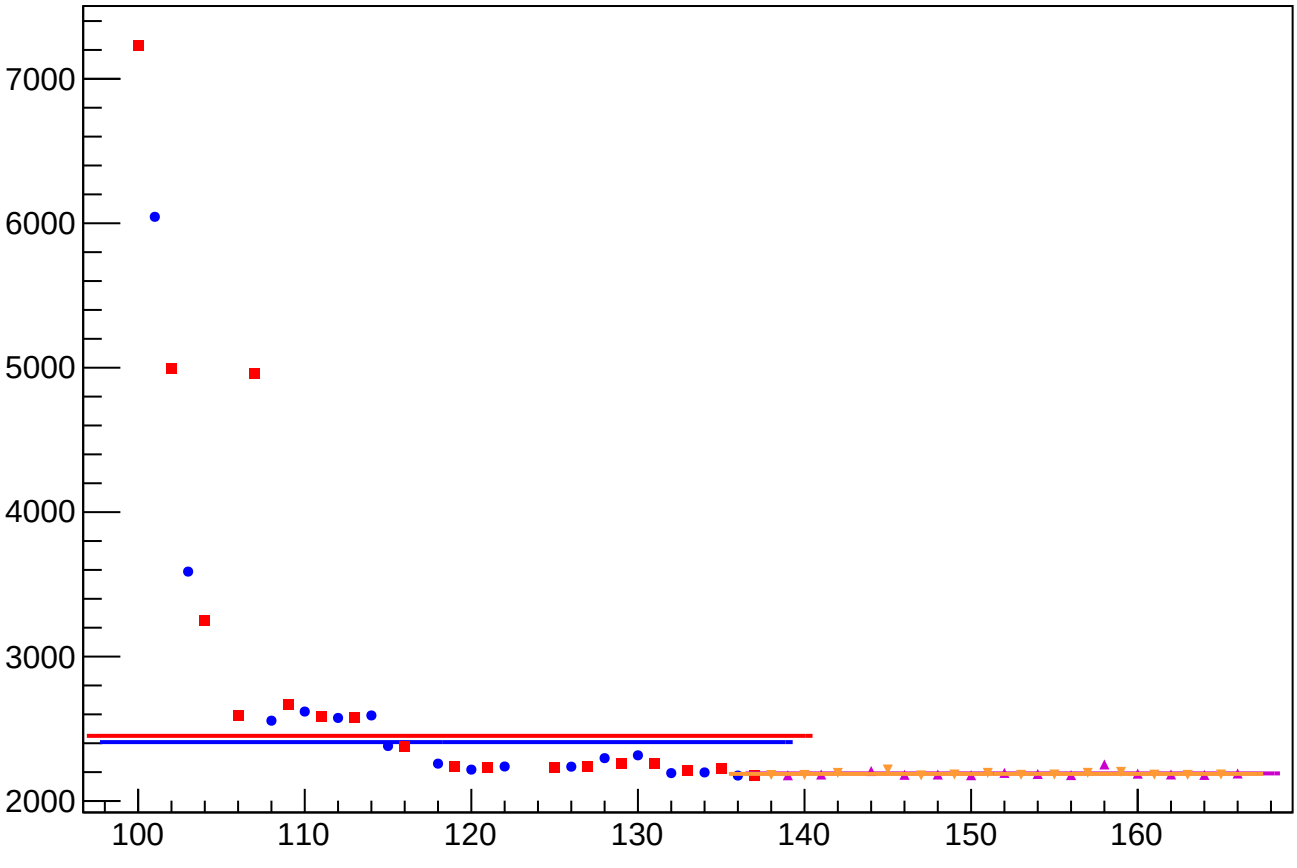
Left: -461.042+/-460.986 χ^2/NDF: 34.4/27

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -720.431+/-527.317 χ^2/NDF:34.7/29

Out: -409.040+/-537.599 χ^2/NDF:28.4/31

All: -567.742+/-376.452 χ^2/NDF: 63.3/61



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.921+/-0.466 χ^2/NDF:551.5/13

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.168+/-0.456 χ^2/NDF:1732.7/13

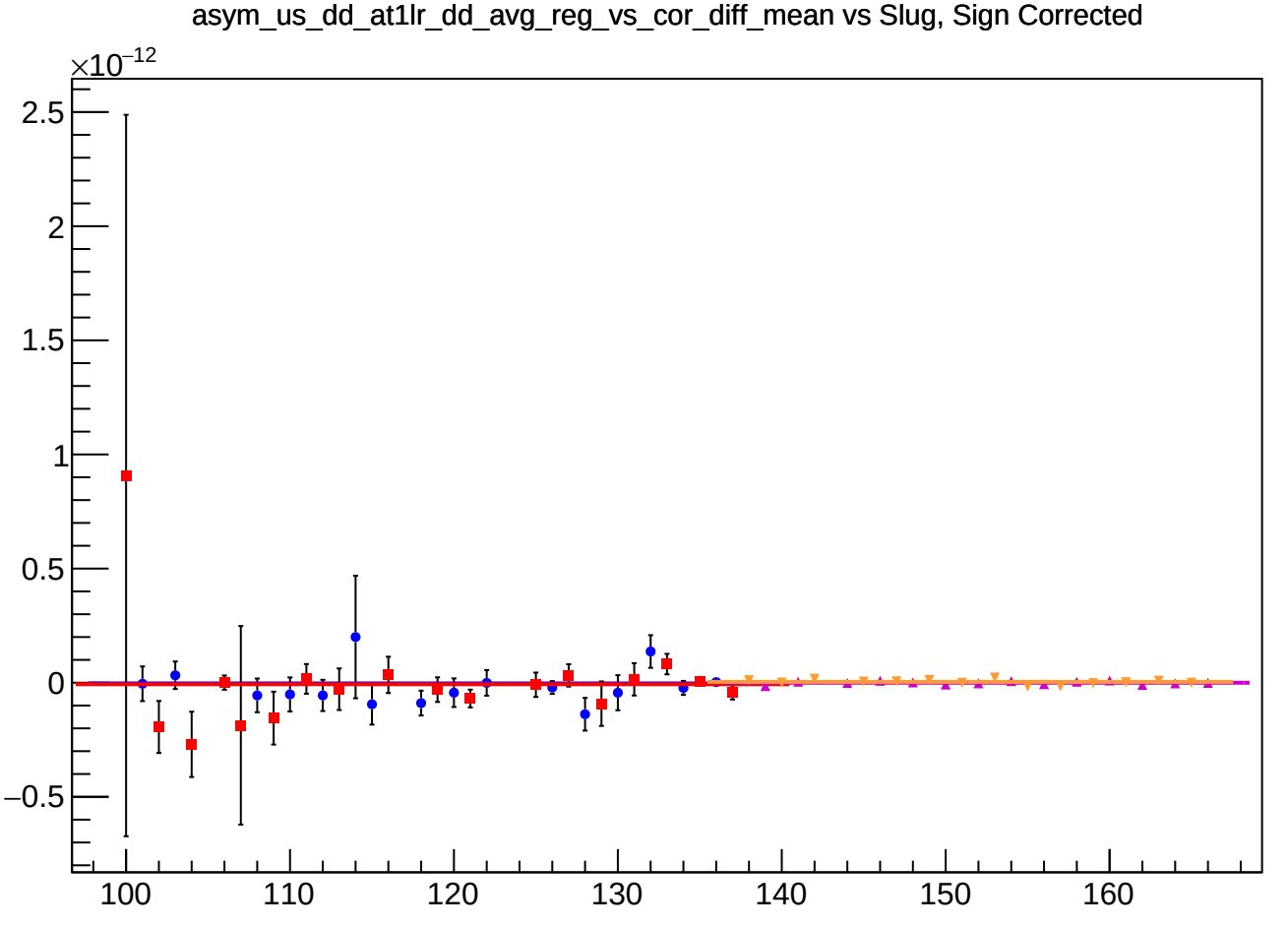
Left: 2189.581+/-0.326 χ^2/NDF: 2309.0/27

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2262.922+/-0.373 χ^2/NDF:753393.0/29

Out: 2276.140+/-0.380 χ^2/NDF:741016.5/31

All: 2269.404+/-0.266 χ^2/NDF: 1495025.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

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

Left In: -0.000+/-0.000 χ^2/NDF:11.1/13

Left: 0.000+/-0.000 χ^2/NDF: 24.7/27

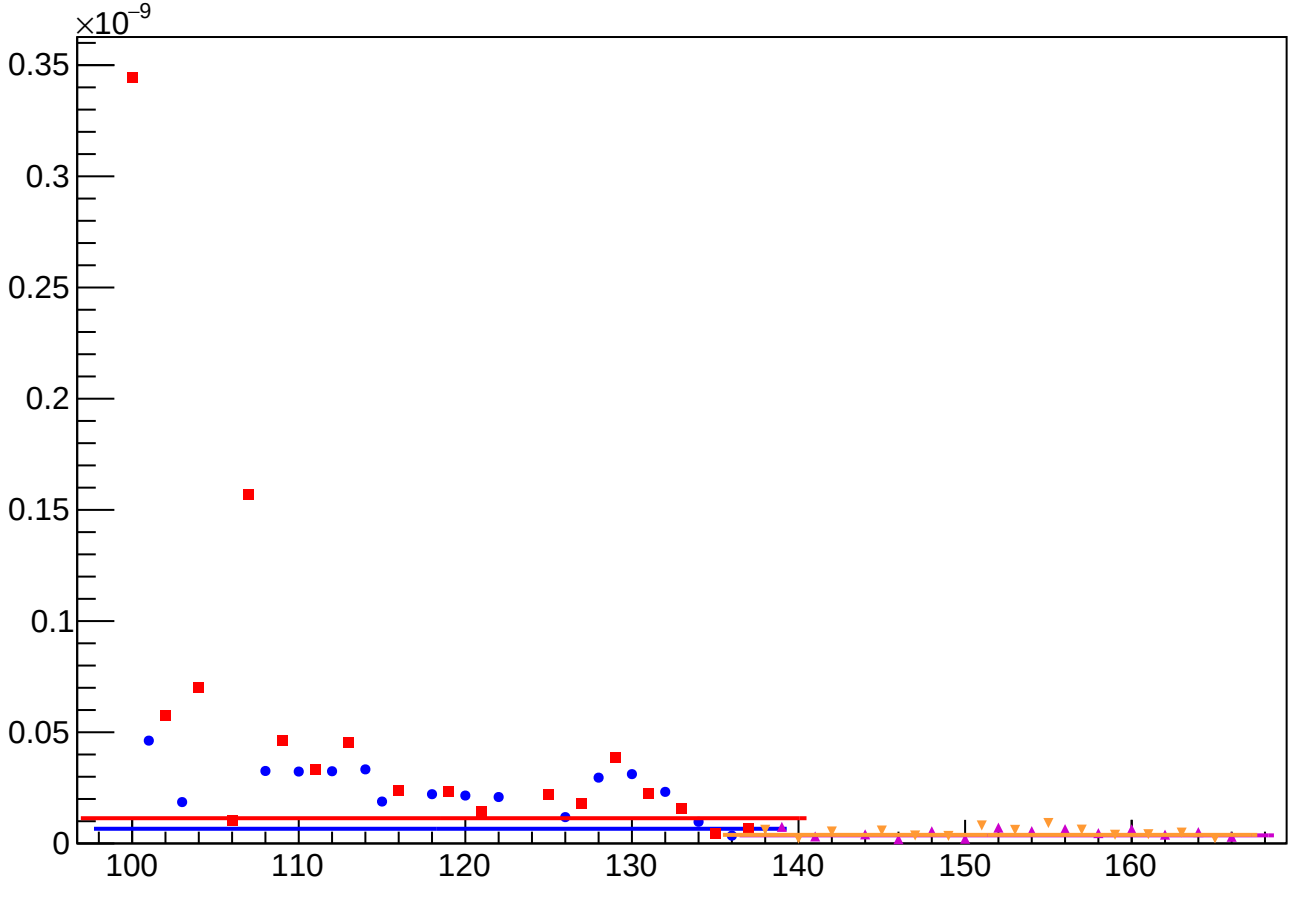
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:26.9/29

Out: 0.000+/-0.000 χ^2/NDF:31.8/31

All: 0.000+/-0.000 χ^2/NDF: 60.3/61

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1291627.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1206777.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2509508.0/27

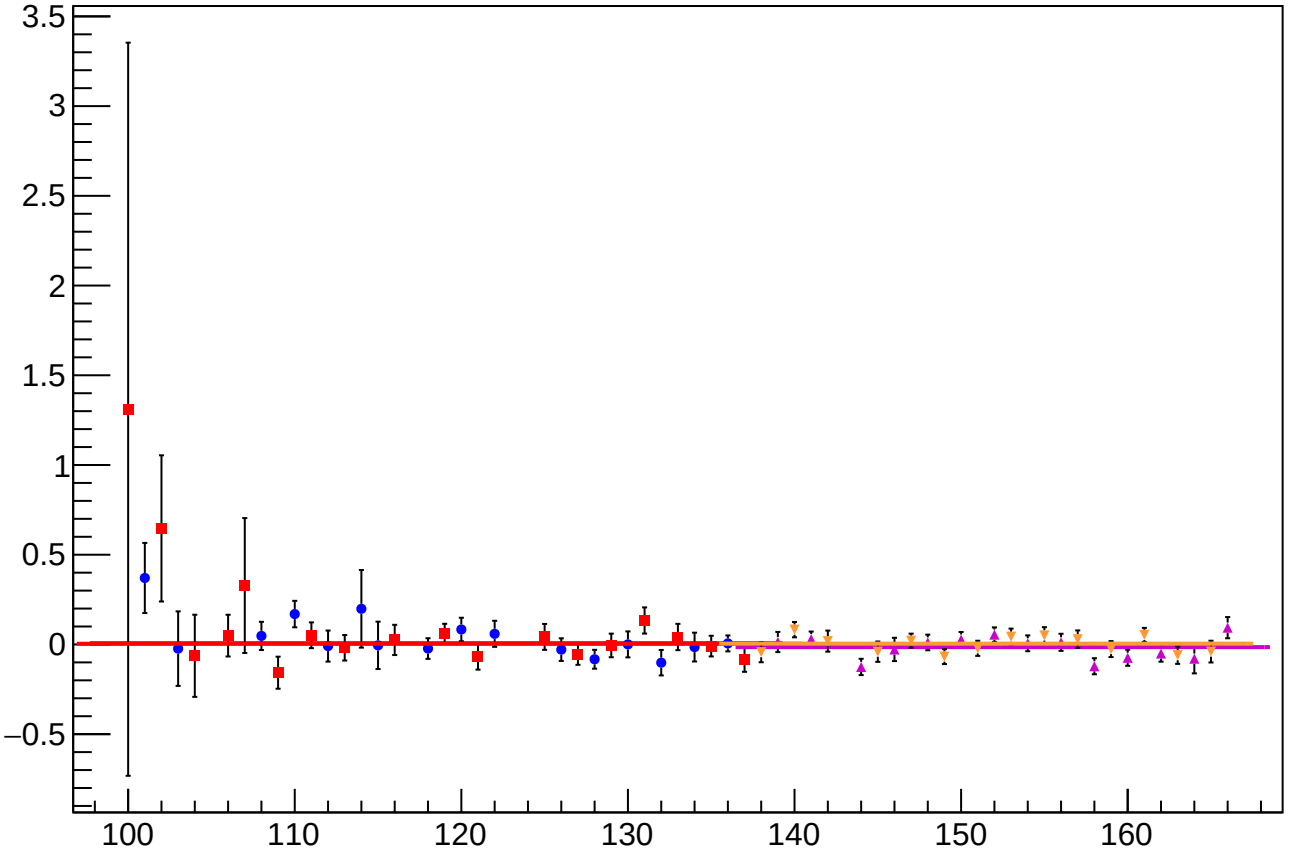
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4461926.4/29

Out: 0.000+/-0.000 χ^2/NDF:5110128.5/31

All: 0.000+/-0.000 χ^2/NDF: 9589904.7/61

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/27

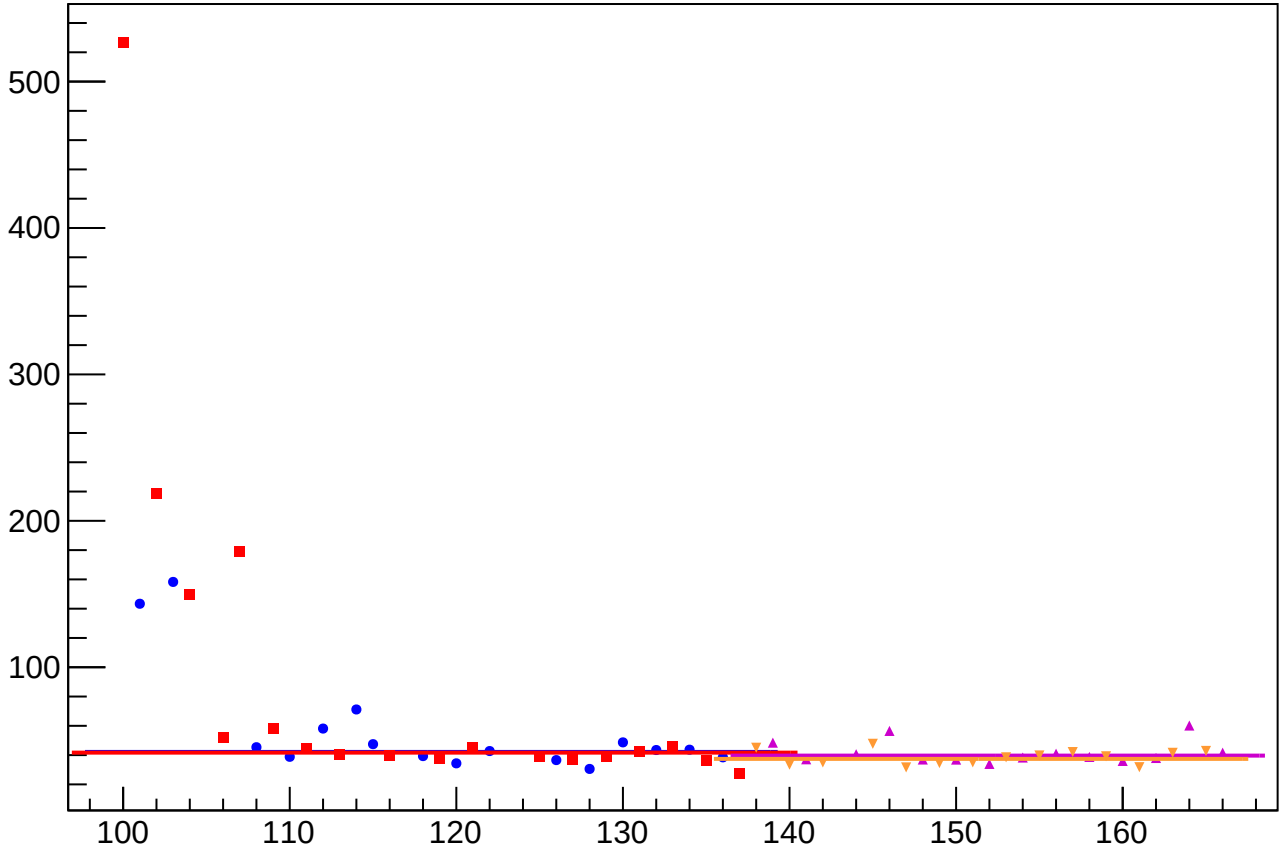
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.002+/-0.007 χ^2/NDF: 73.8/61

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282785.7/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.653+/-0.009 χ^2/NDF:394705.9/13

Left: 38.508+/-0.006 χ^2/NDF: 709087.3/27

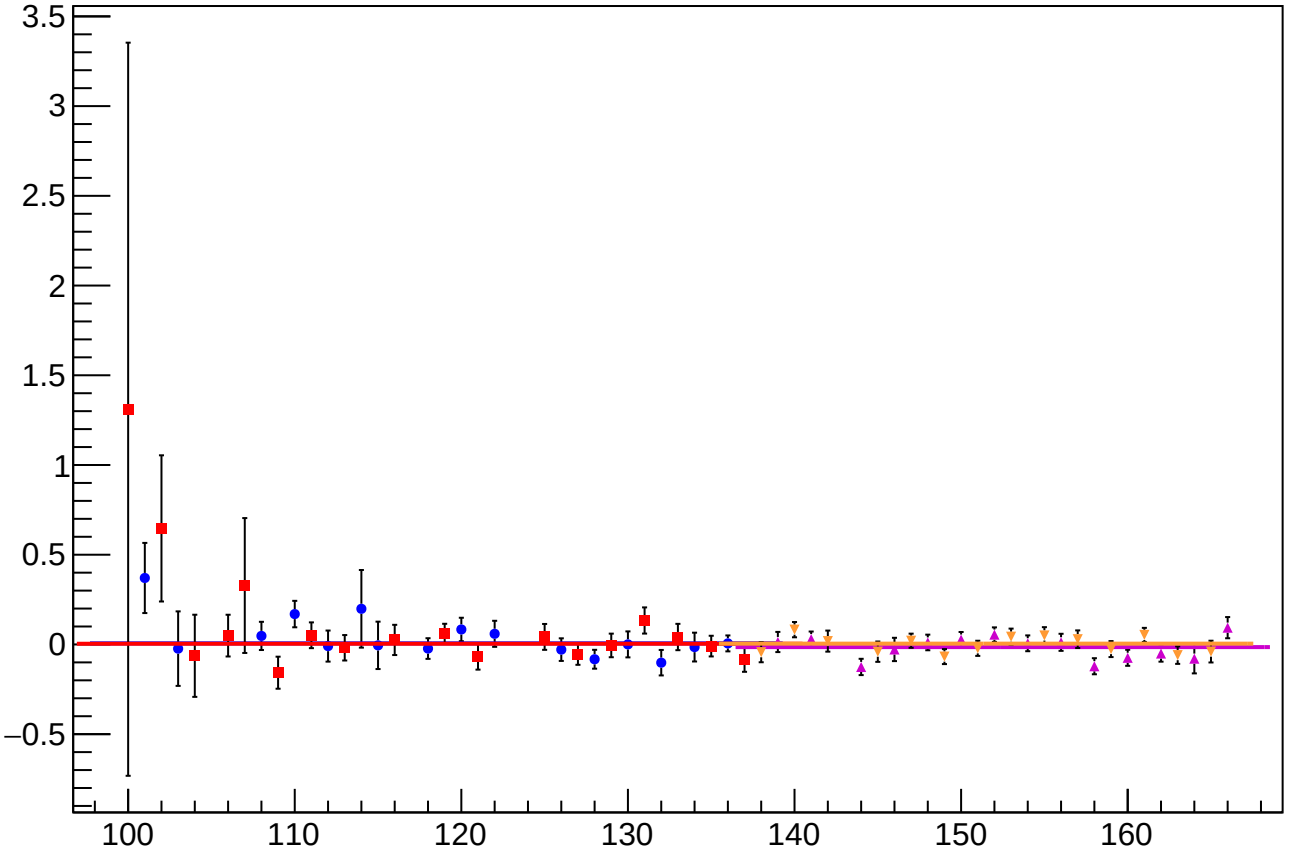
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.475+/-0.007 χ^2/NDF:1874563.4/29

Out: 38.738+/-0.007 χ^2/NDF:1797114.9/31

All: 39.597+/-0.005 χ^2/NDF: 3699643.5/61

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/27

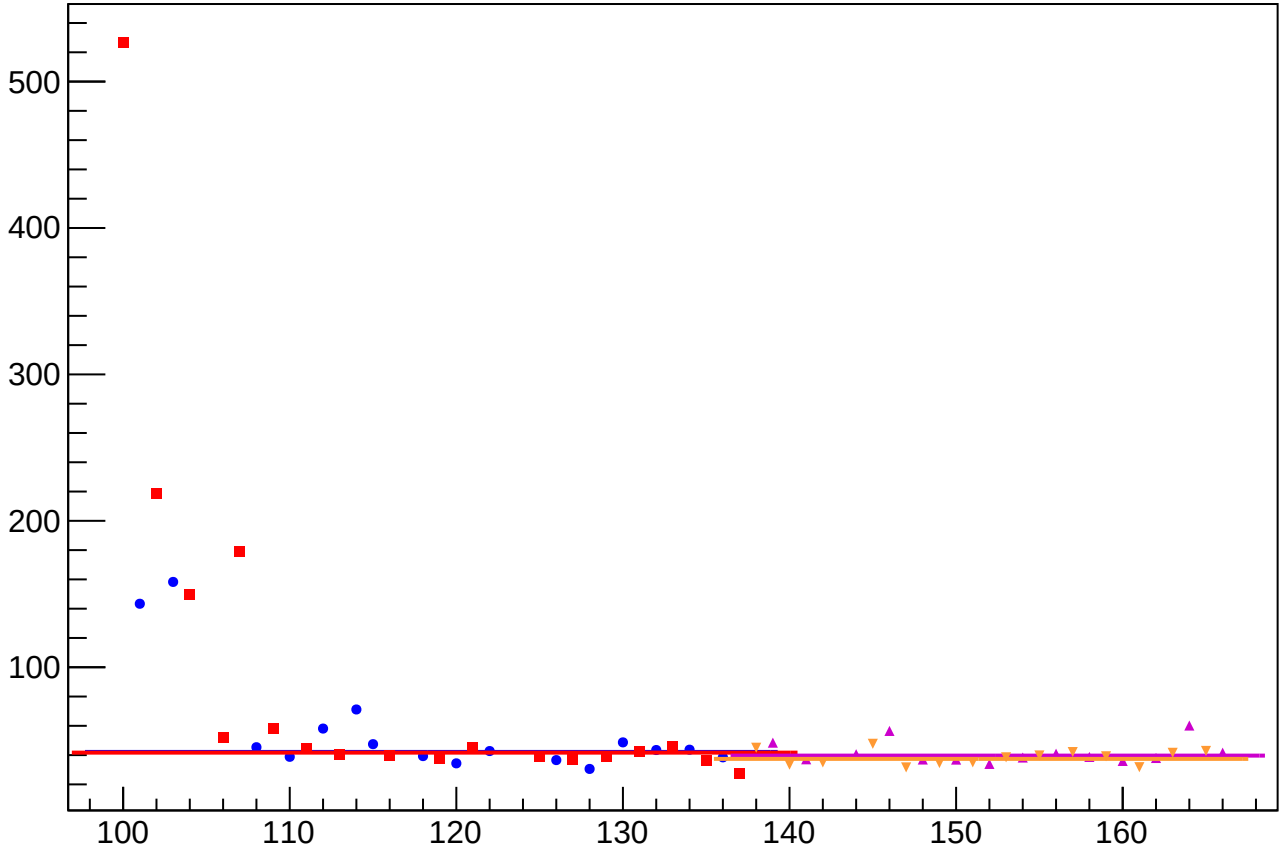
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.002+/-0.007 χ^2/NDF: 73.8/61

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282785.7/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.653+/-0.009 χ^2/NDF:394705.9/13

Left: 38.508+/-0.006 χ^2/NDF: 709087.3/27

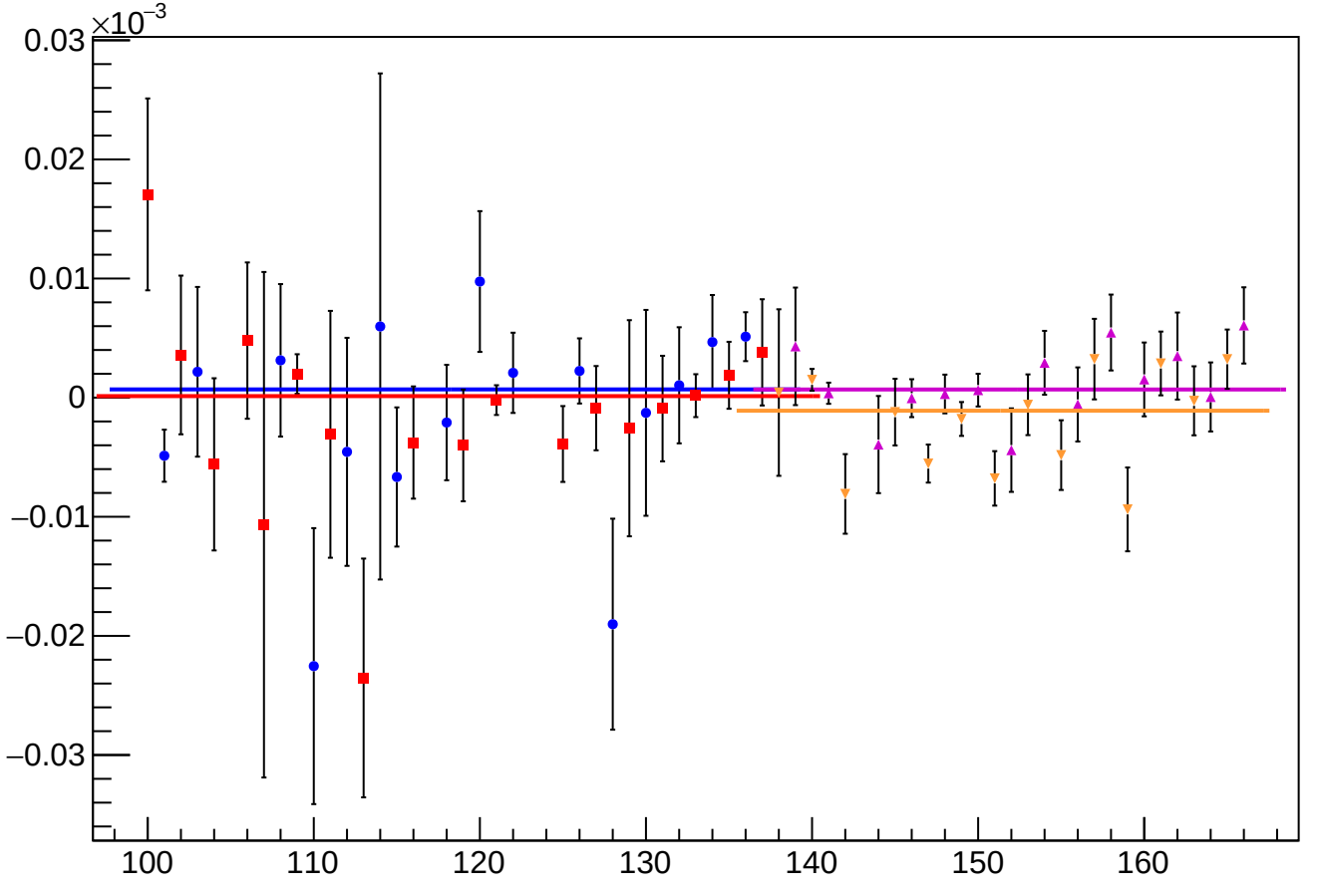
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.475+/-0.007 χ^2/NDF:1874563.4/29

Out: 38.738+/-0.007 χ^2/NDF:1797114.9/31

All: 39.597+/-0.005 χ^2/NDF: 3699643.5/61

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: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

Left: -0.000+/-0.000 χ^2/NDF: 57.1/27

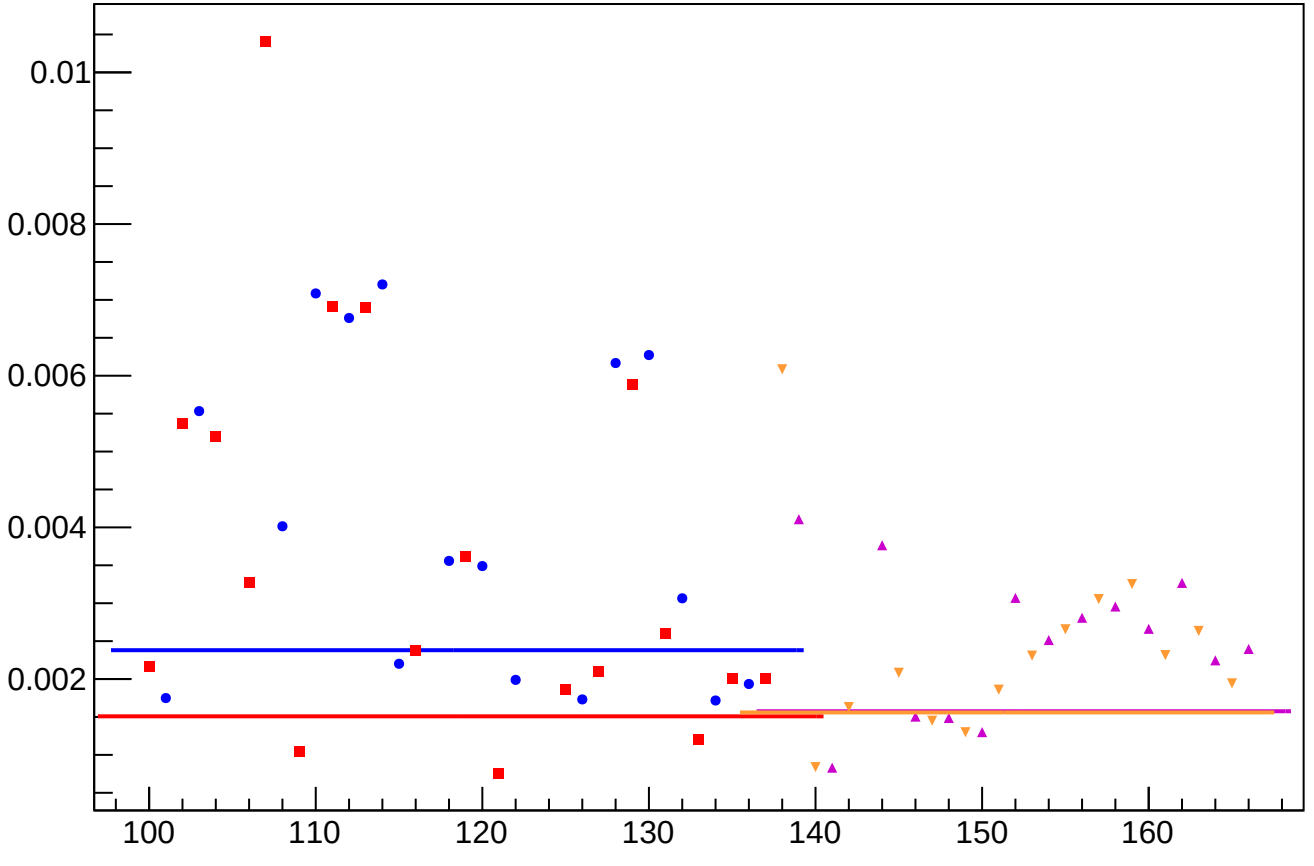
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.5/29

Out: -0.000+/-0.000 χ^2/NDF:60.0/31

All: -0.000+/-0.000 χ^2/NDF: 101.8/61

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4046176.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4812693.2/13

Left: 0.002+/-0.000 χ^2/NDF: 8859692.4/27

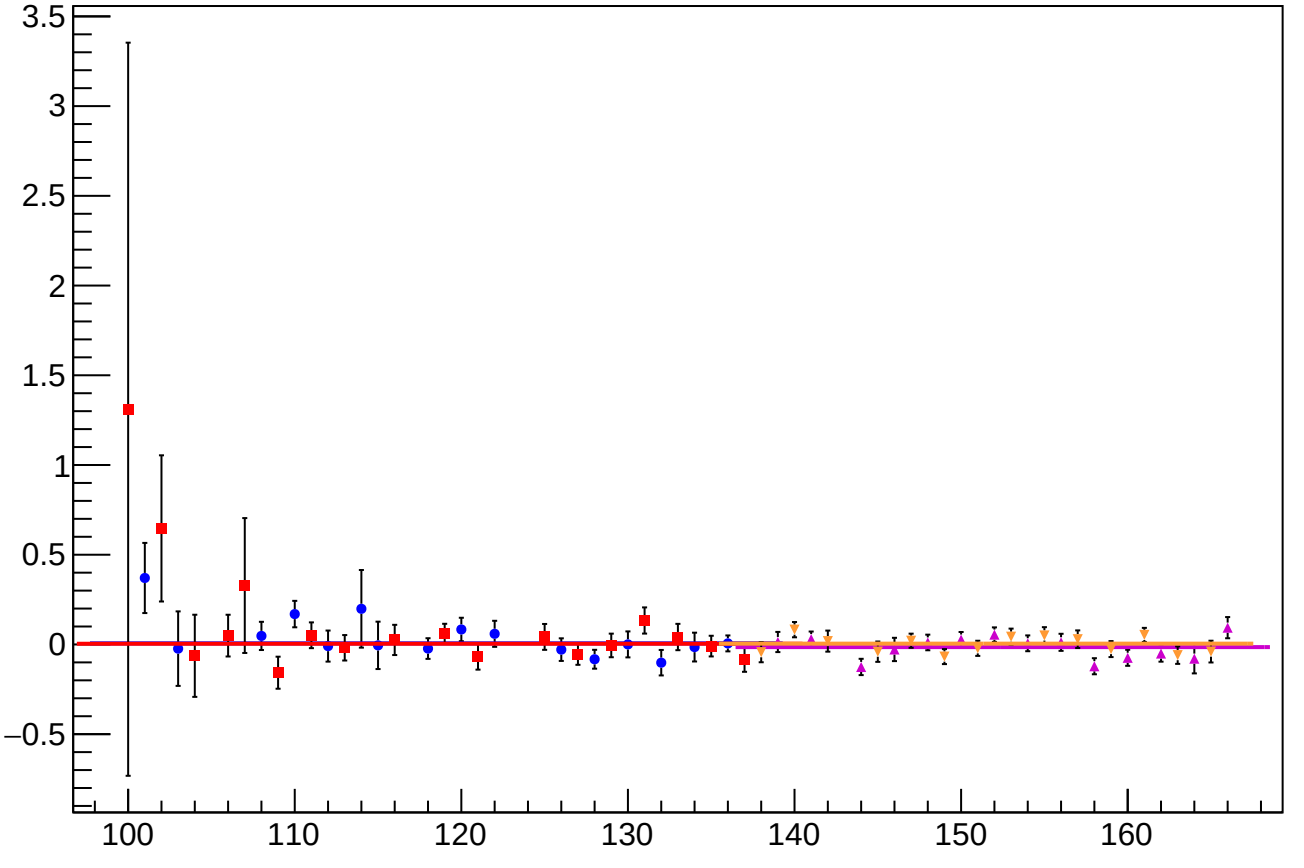
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8625896.0/29

Out: 0.002+/-0.000 χ^2/NDF:9054327.6/31

All: 0.002+/-0.000 χ^2/NDF: 17890825.8/61

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/27

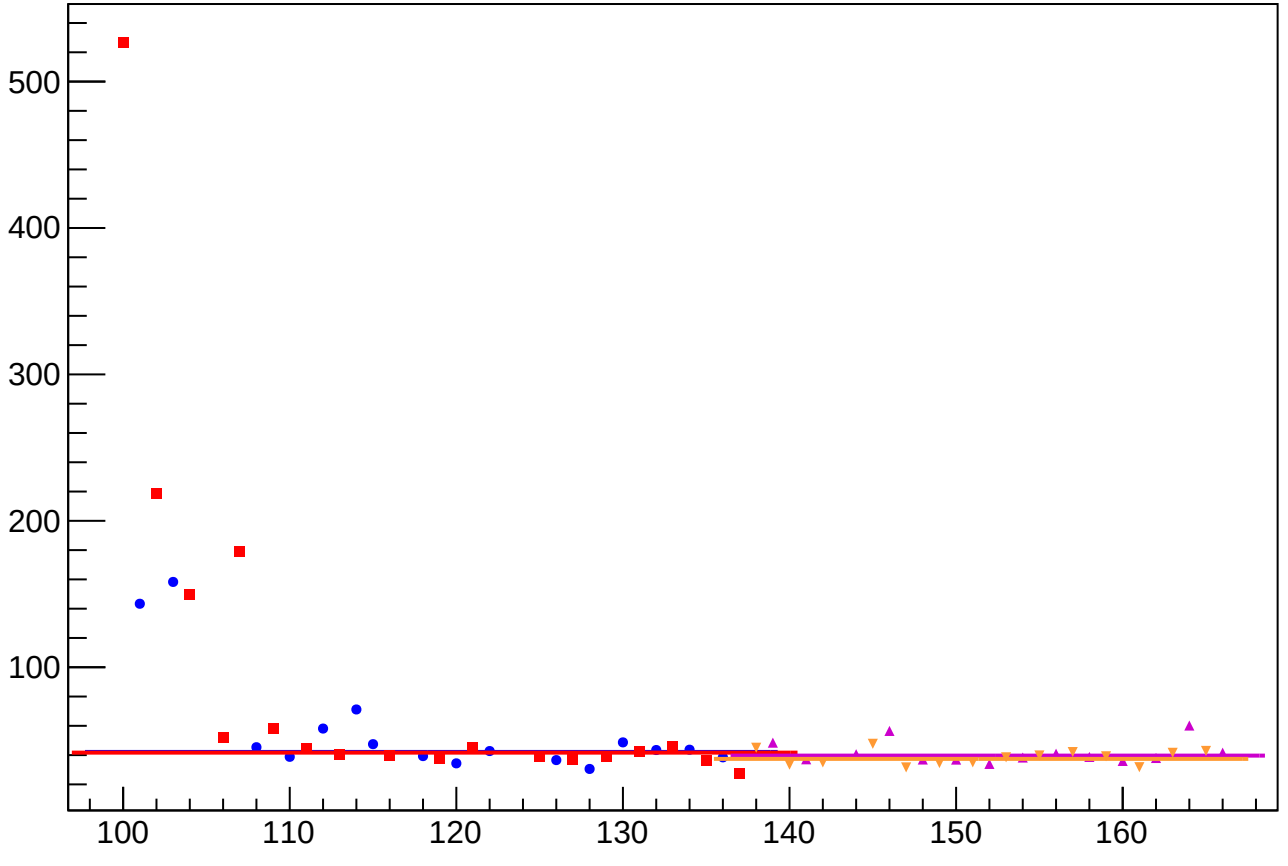
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.002+/-0.007 χ^2/NDF: 73.8/61

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282769.4/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.653+/-0.009 χ^2/NDF:394741.0/13

Left: 38.508+/-0.006 χ^2/NDF: 709102.0/27

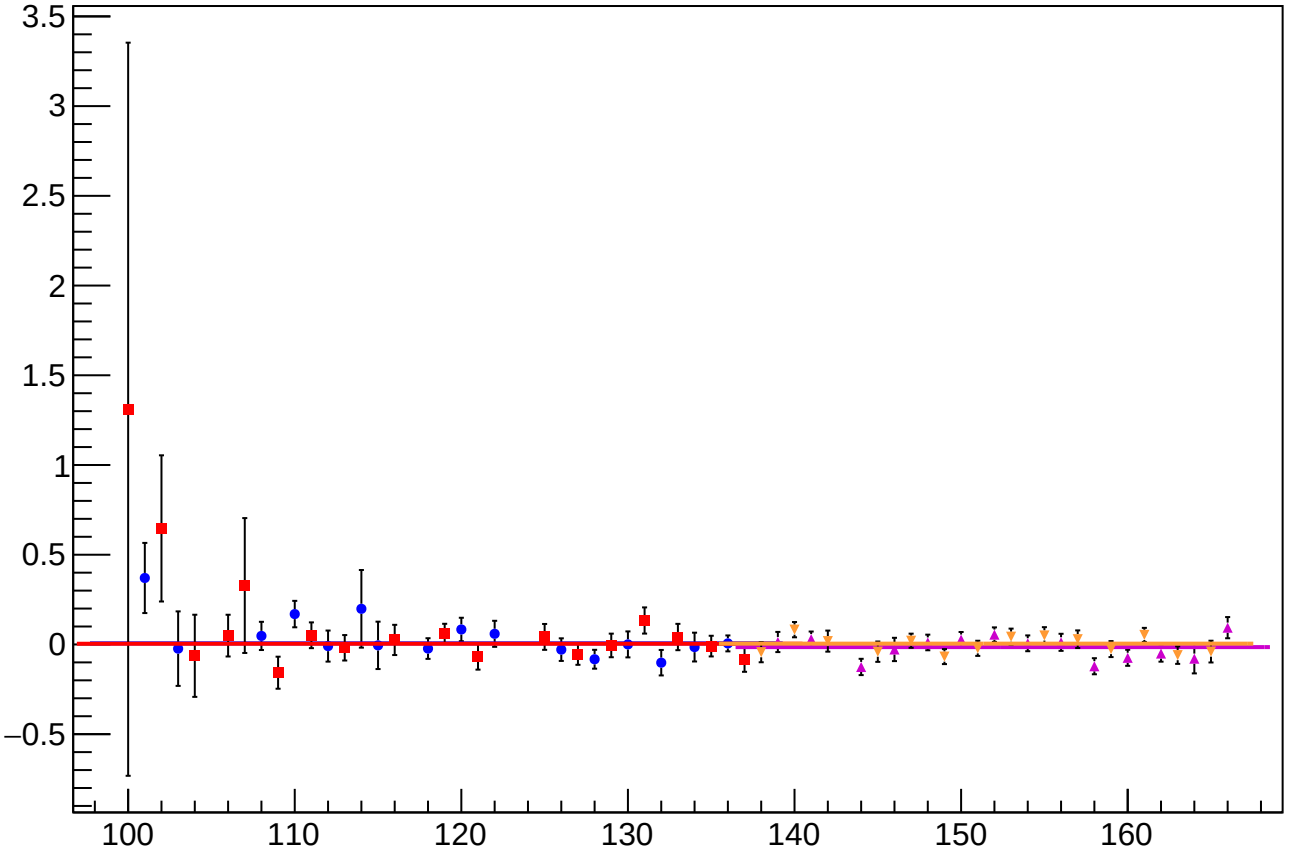
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.474+/-0.007 χ^2/NDF:1874764.8/29

Out: 38.738+/-0.007 χ^2/NDF:1797090.8/31

All: 39.597+/-0.005 χ^2/NDF: 3699789.1/61

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.013 χ^2/NDF:24.2/13

Left: -0.005+/-0.009 χ^2/NDF: 39.9/27

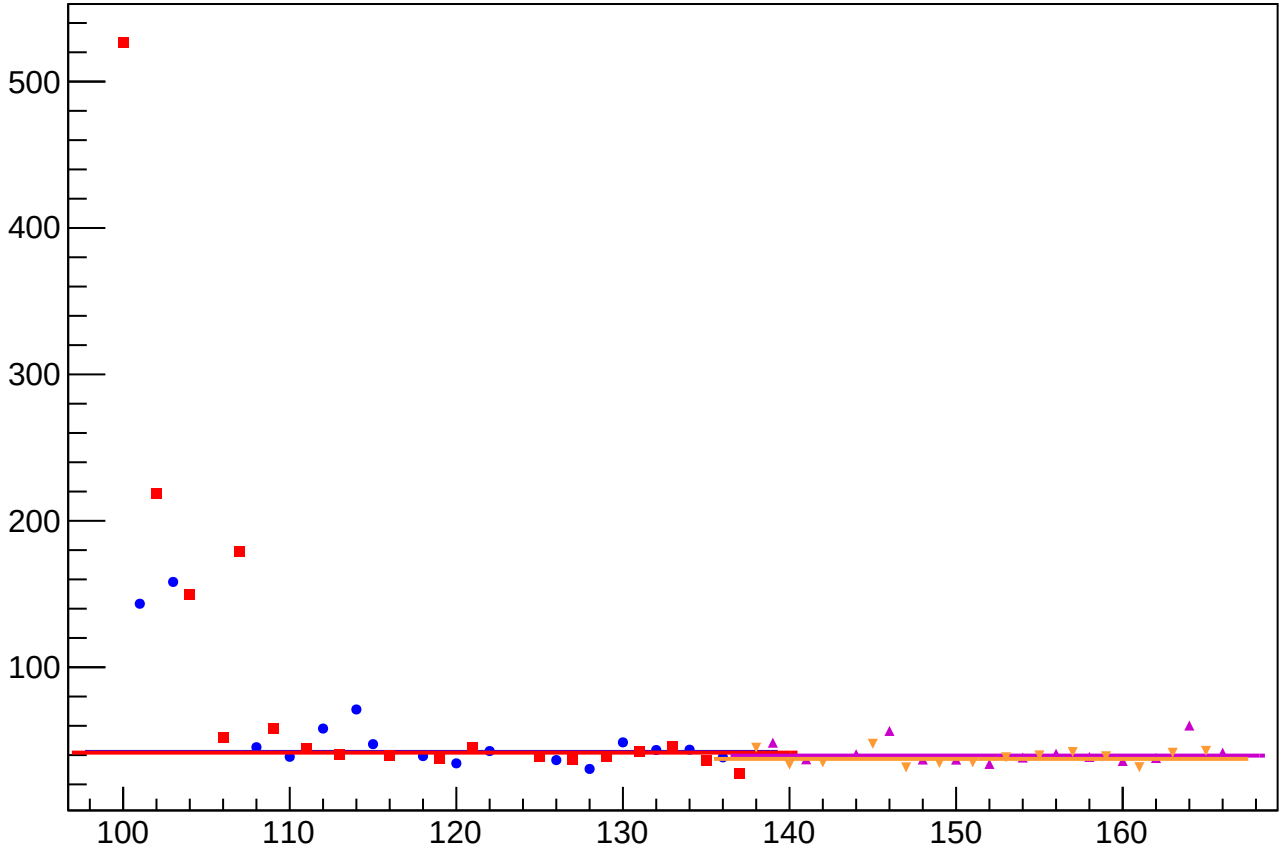
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.010 χ^2/NDF:42.3/29

Out: 0.004+/-0.010 χ^2/NDF:30.8/31

All: -0.002+/-0.007 χ^2/NDF: 73.8/61

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282769.4/13

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.653+/-0.009 χ^2/NDF:394741.0/13

Left: 38.508+/-0.006 χ^2/NDF: 709102.0/27

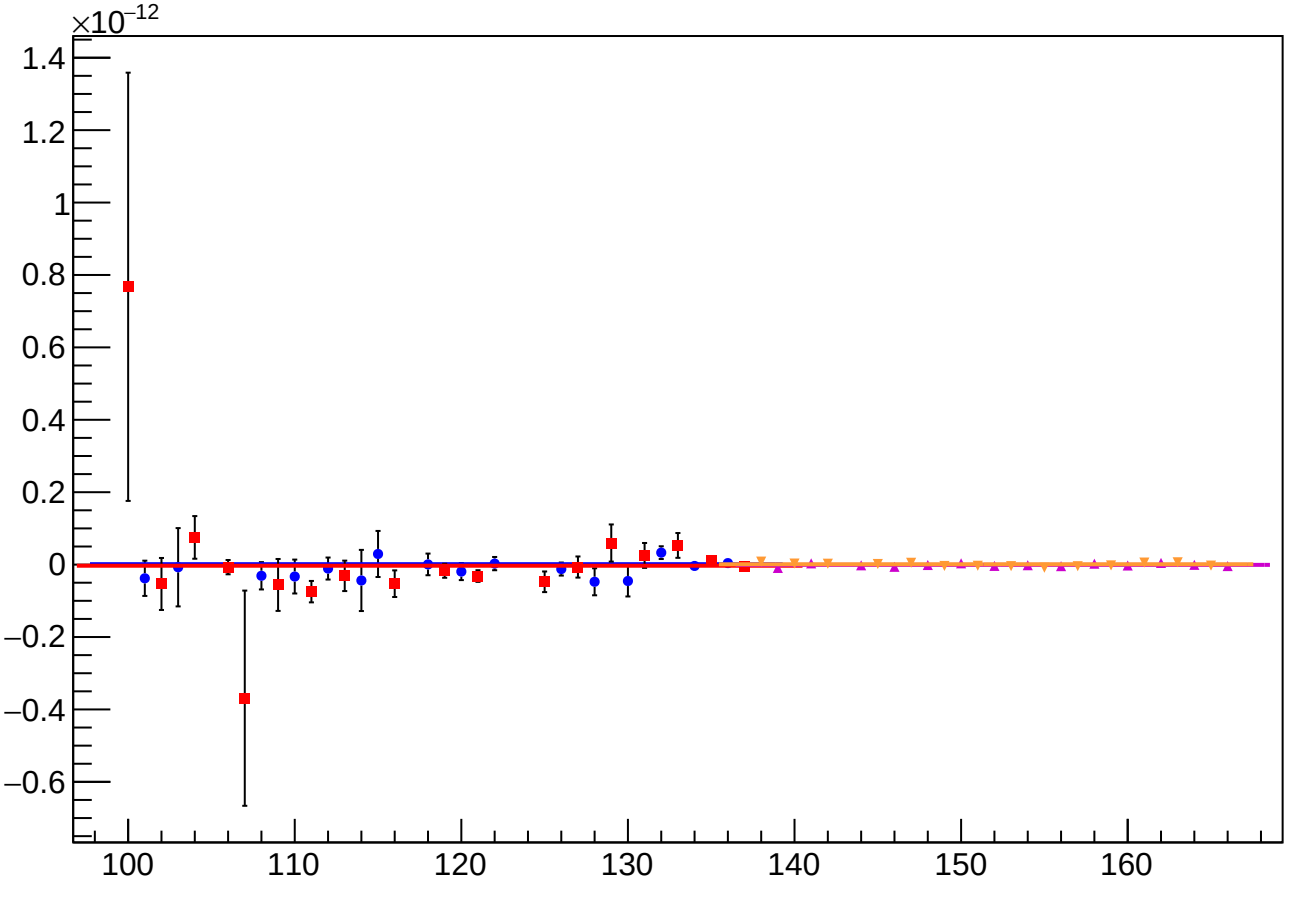
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.474+/-0.007 χ^2/NDF:1874764.8/29

Out: 38.738+/-0.007 χ^2/NDF:1797090.8/31

All: 39.597+/-0.005 χ^2/NDF: 3699789.1/61

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: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/13

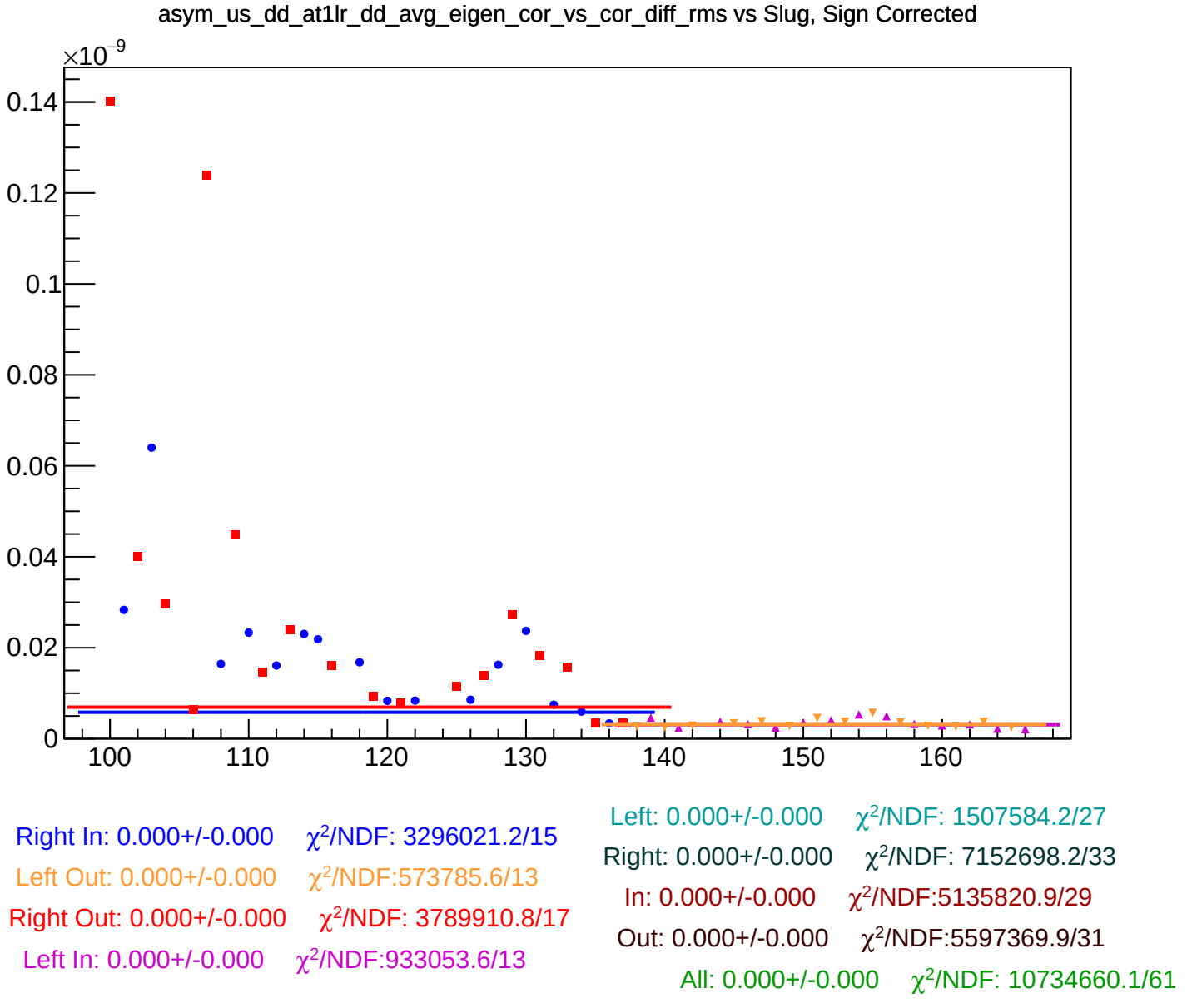
Left: 0.000+/-0.000 χ^2/NDF: 21.3/27

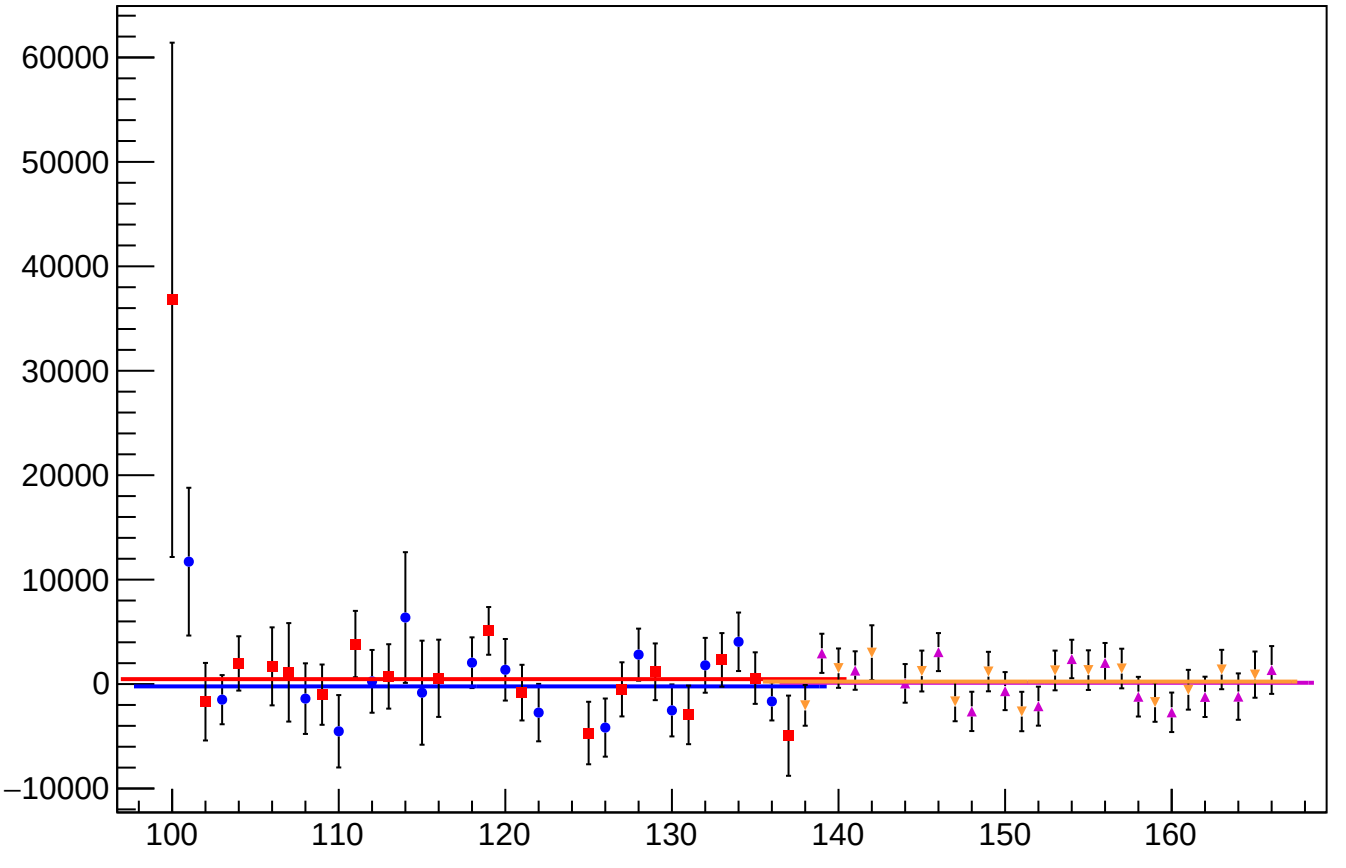
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:19.3/29

Out: 0.000+/-0.000 χ^2/NDF:41.4/31

All: 0.000+/-0.000 χ^2/NDF: 61.2/61


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:573785.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:933053.6/13
Left: 0.000+/-0.000 χ²/NDF: 1507584.2/27
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:5135820.9/29
Out: 0.000+/-0.000 χ²/NDF:5597369.9/31
All: 0.000+/-0.000 χ²/NDF: 10734660.1/61



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 237.330+/-522.287 χ^2/NDF:9.6/13

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 123.903+/-510.808 χ^2/NDF:15.4/13

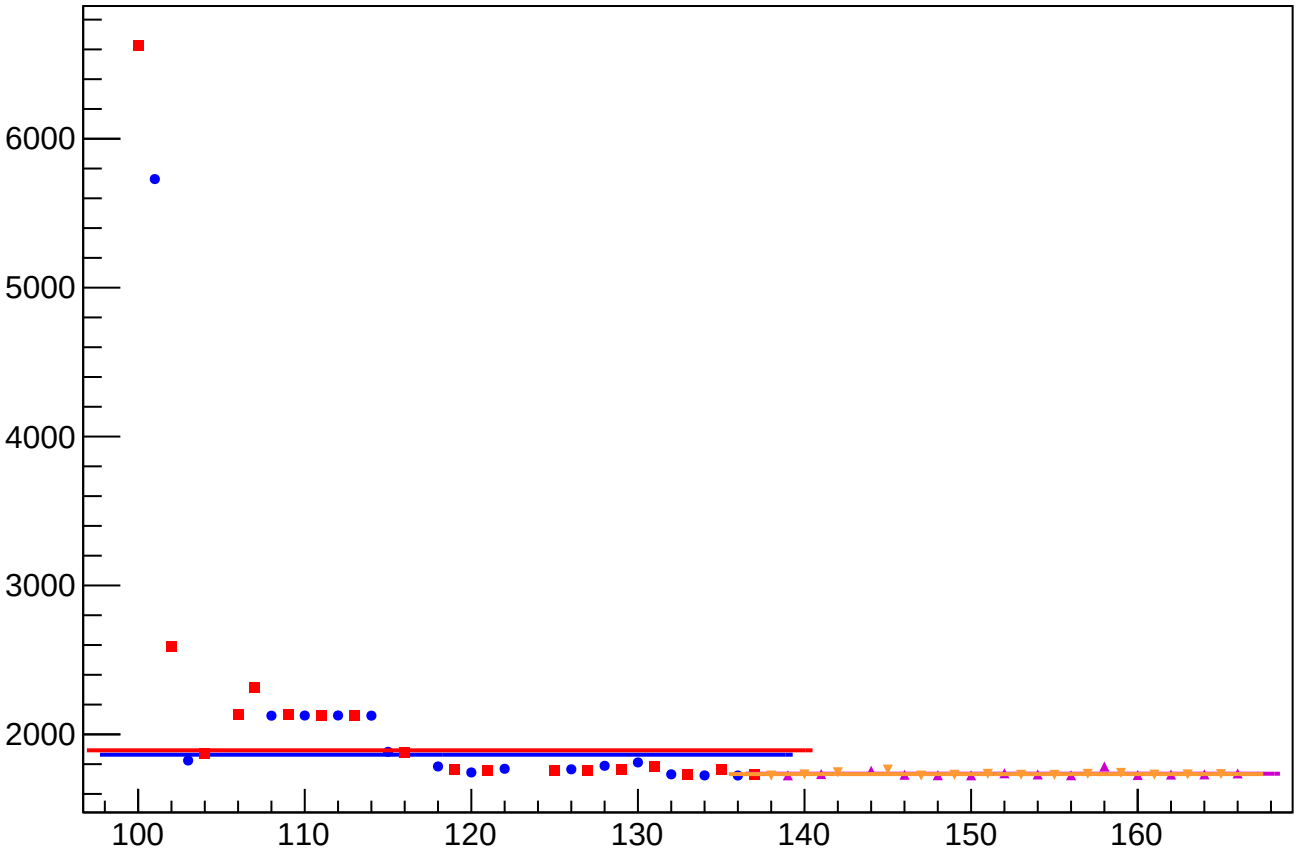
Left: 179.356+/-365.187 χ^2/NDF: 25.0/27

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 5.406+/-414.477 χ^2/NDF:31.4/29

Out: 319.651+/-421.023 χ^2/NDF:25.5/31

All: 160.066+/-295.367 χ^2/NDF: 57.2/61



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.793+/-0.361 χ^2/NDF:1909.6/13

Left: 1734.548+/-0.258 χ^2/NDF: 2647.2/27

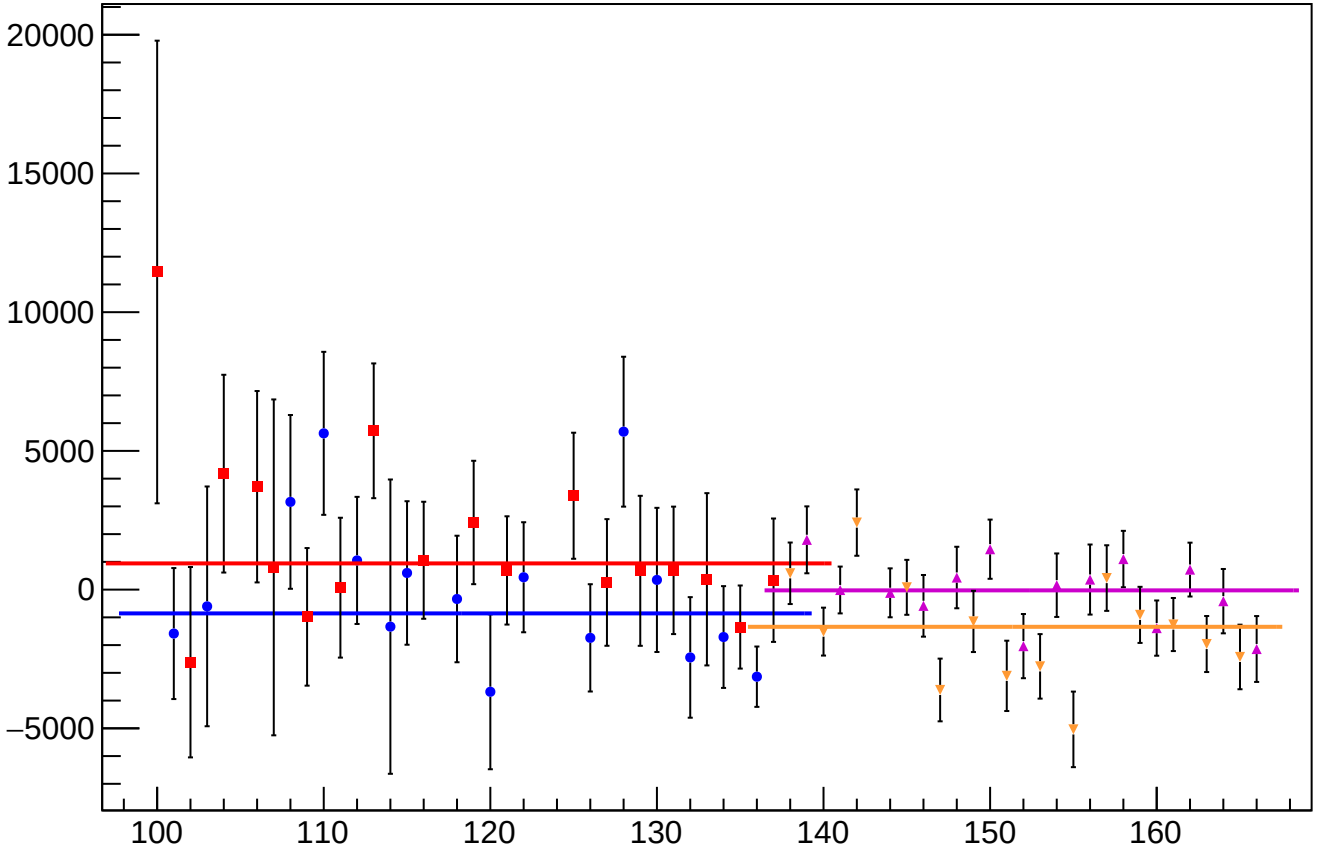
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1779.446+/-0.293 χ^2/NDF:719333.4/29

Out: 1789.143+/-0.298 χ^2/NDF:317640.0/31

All: 1784.218+/-0.209 χ^2/NDF: 1037512.3/61

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1340.747+/-290.069 χ^2/NDF:33.6/13

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -27.210+/-282.751 χ^2/NDF:14.8/13

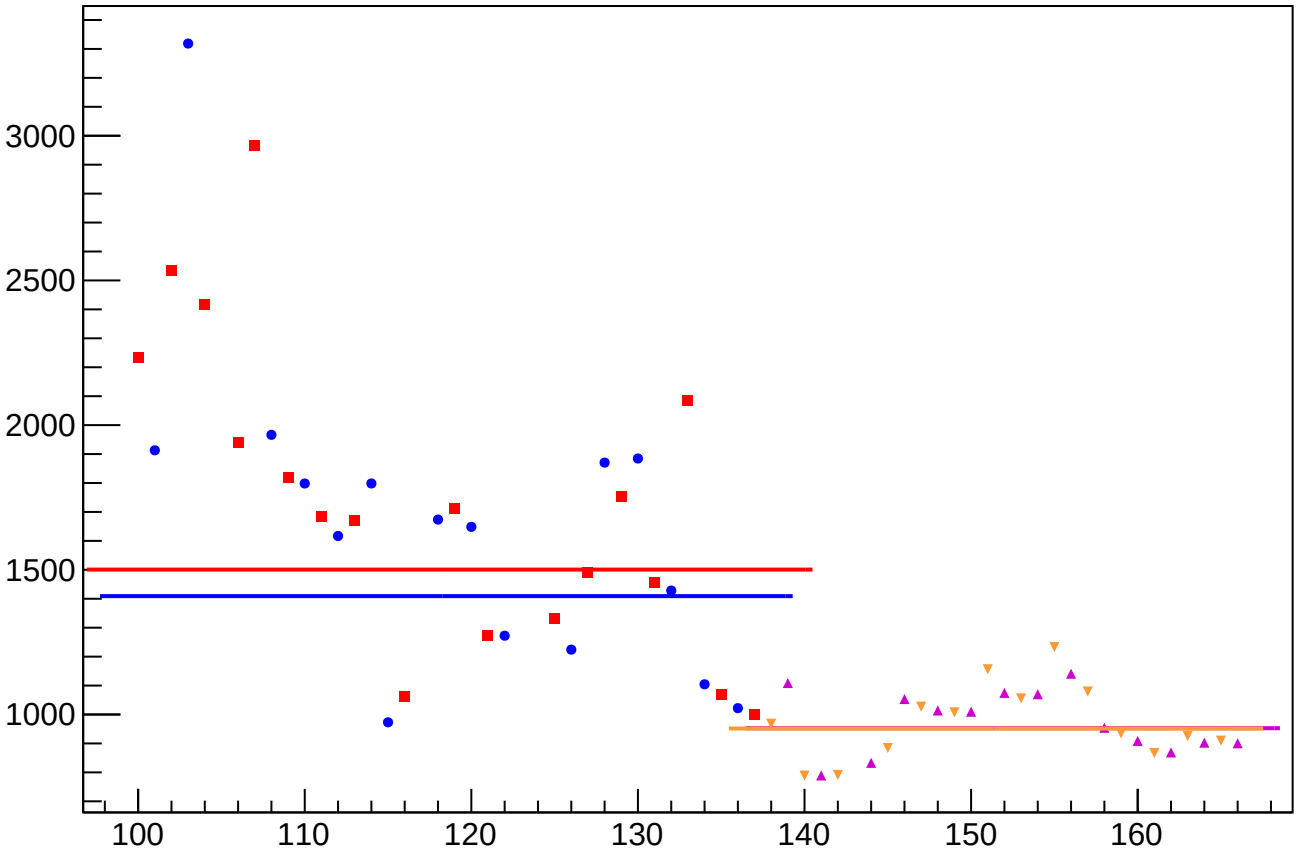
Left: -667.201+/-202.473 χ^2/NDF: 58.8/27

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -200.837+/-251.447 χ^2/NDF:37.2/29

Out: -888.447+/-259.785 χ^2/NDF:58.7/31

All: -533.430+/-180.676 χ^2/NDF: 99.5/61



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 951.673+/-0.205 χ^2/NDF:328046.7/13

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 952.640+/-0.200 χ^2/NDF:287636.5/13

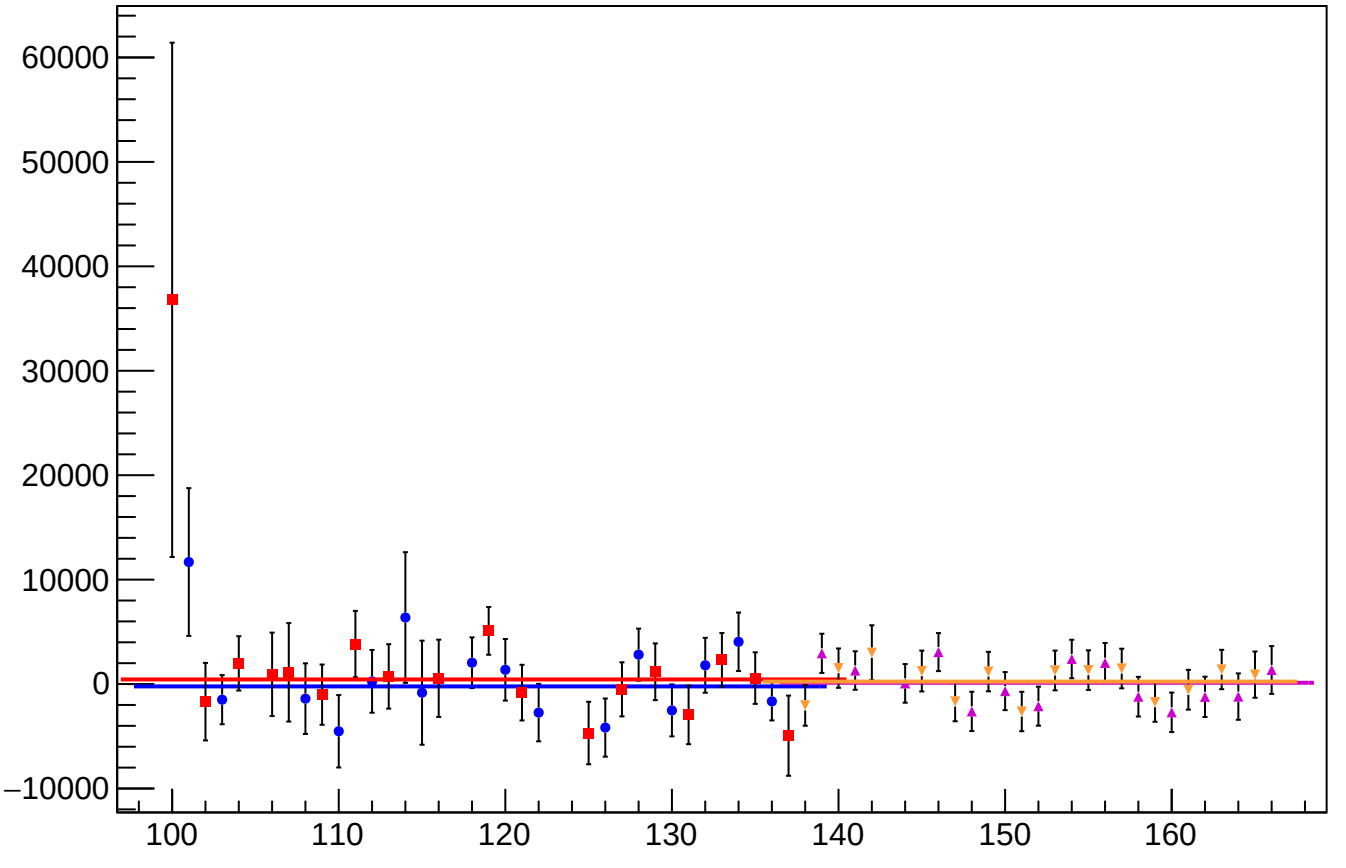
Left: 952.169+/-0.143 χ^2/NDF: 615694.6/27

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1048.117+/-0.178 χ^2/NDF:2545564.7/29

Out: 1060.347+/-0.184 χ^2/NDF:2777307.8/31

All: 1054.032+/-0.128 χ^2/NDF: 5325161.1/61



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 123.930+/-510.808 χ^2/NDF:15.4/13

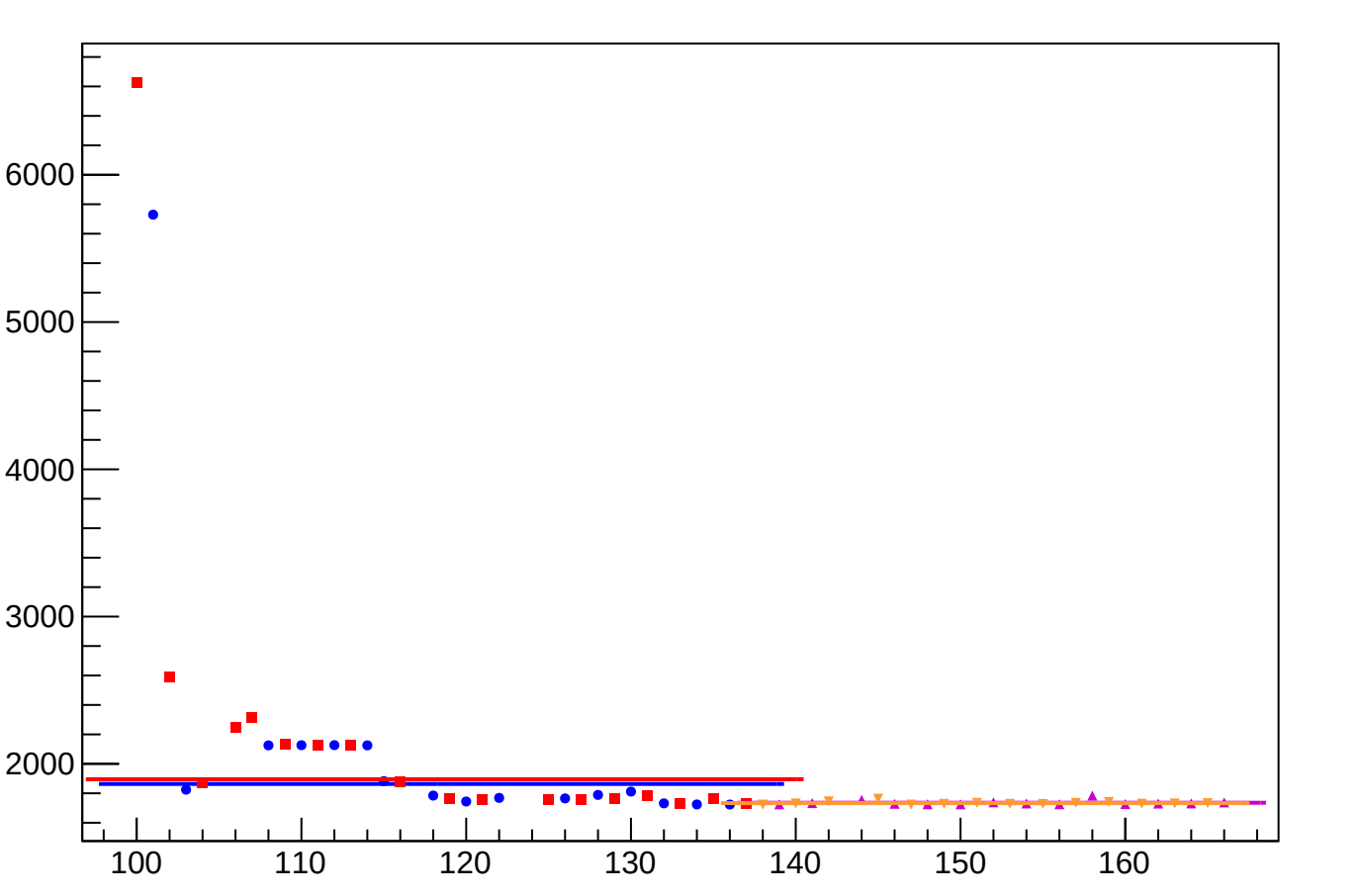
Left: 179.416+/-365.187 χ^2/NDF: 25.0/27

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 5.159+/-414.477 χ^2/NDF:31.4/29

Out: 309.208+/-421.359 χ^2/NDF:25.4/31

All: 154.680+/-295.483 χ^2/NDF: 57.1/61



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.793+/-0.361 χ^2/NDF:1909.6/13

Left: 1734.548+/-0.258 χ^2/NDF: 2647.2/27

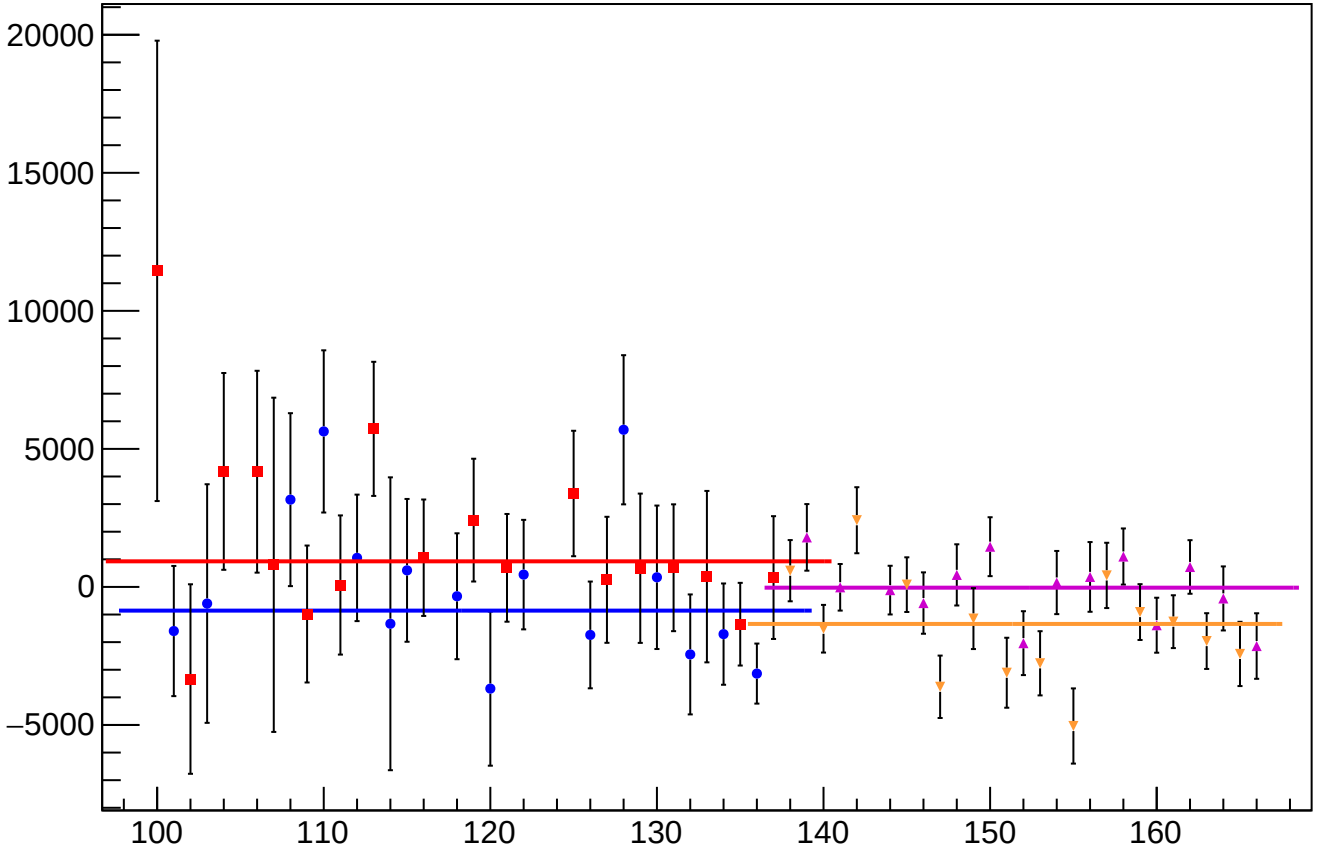
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1779.446+/-0.293 χ^2/NDF:719333.3/29

Out: 1789.894+/-0.298 χ^2/NDF:327268.6/31

All: 1784.584+/-0.209 χ^2/NDF: 1047226.9/61

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -27.181+/-282.750 χ^2/NDF:14.8/13

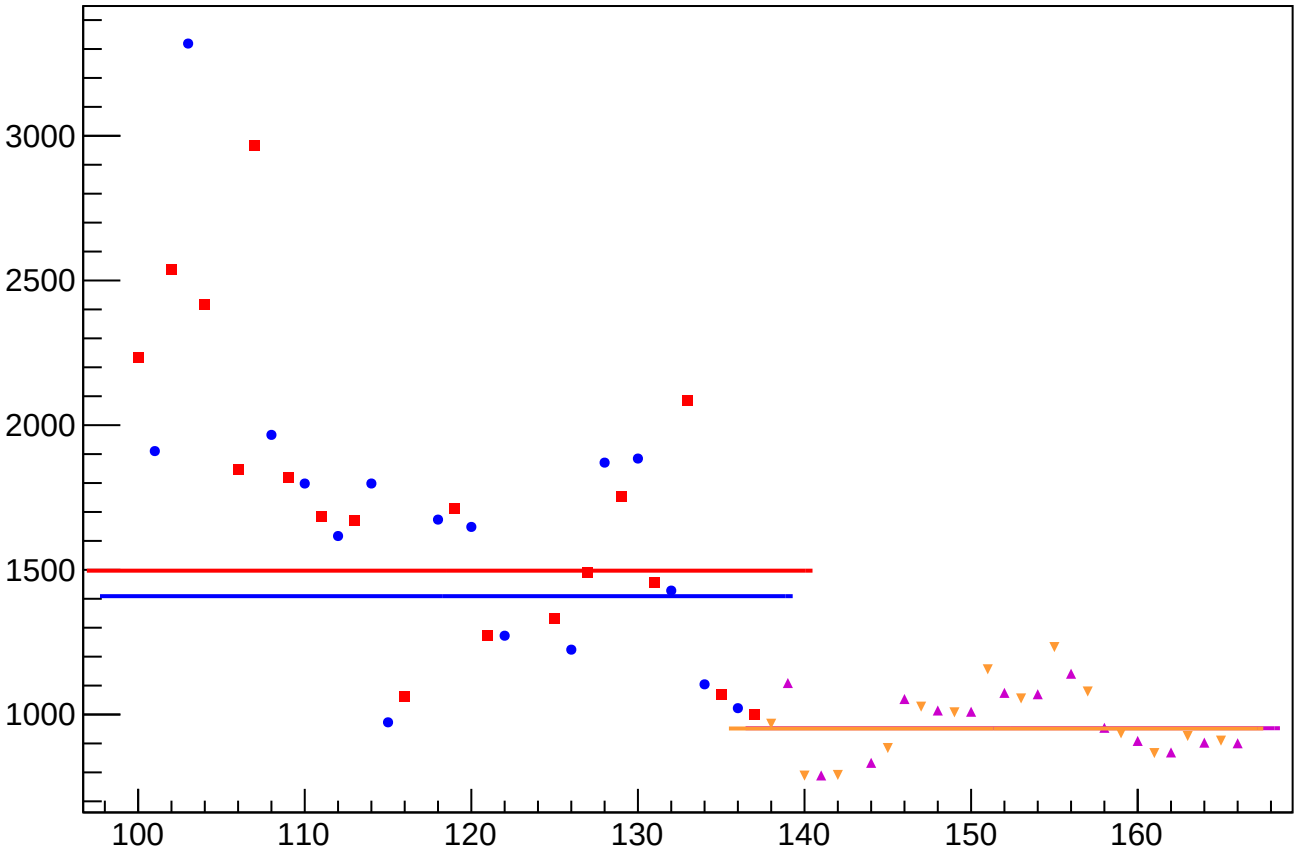
Left: -667.160+/-202.473 χ^2/NDF: 58.8/27

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -201.007+/-251.442 χ^2/NDF:37.2/29

Out: -893.007+/-259.866 χ^2/NDF:59.1/31

All: -535.609+/-180.701 χ^2/NDF: 100.0/61



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 951.673+/-0.205 χ^2/NDF:328015.6/13

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.636+/-0.200 χ^2/NDF:287652.4/13

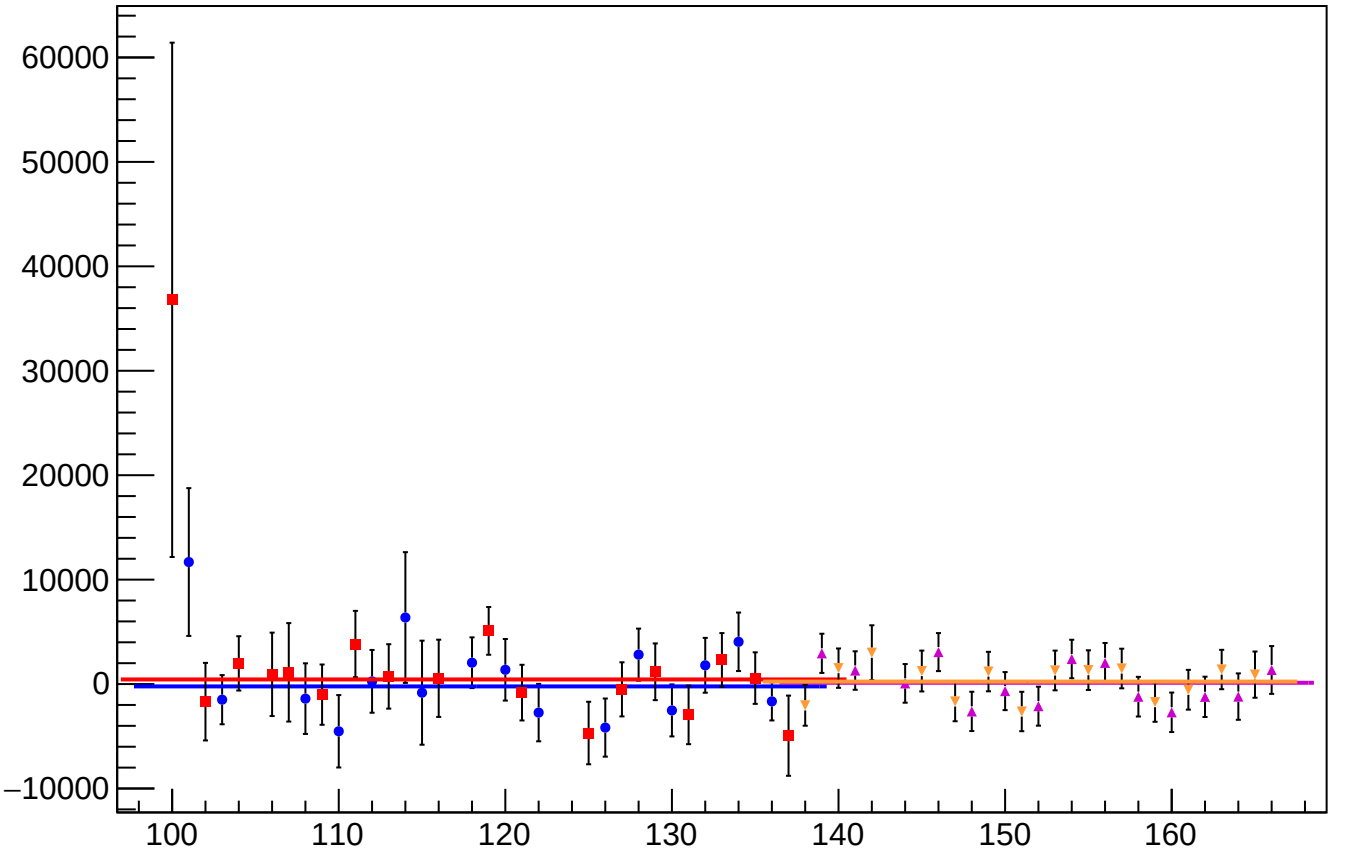
Left: 952.167+/-0.143 χ^2/NDF: 615679.3/27

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1048.108+/-0.178 χ^2/NDF:2544728.1/29

Out: 1059.352+/-0.184 χ^2/NDF:2742297.0/31

All: 1053.545+/-0.128 χ^2/NDF: 5288959.0/61



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 123.930+/-510.808 χ^2/NDF:15.4/13

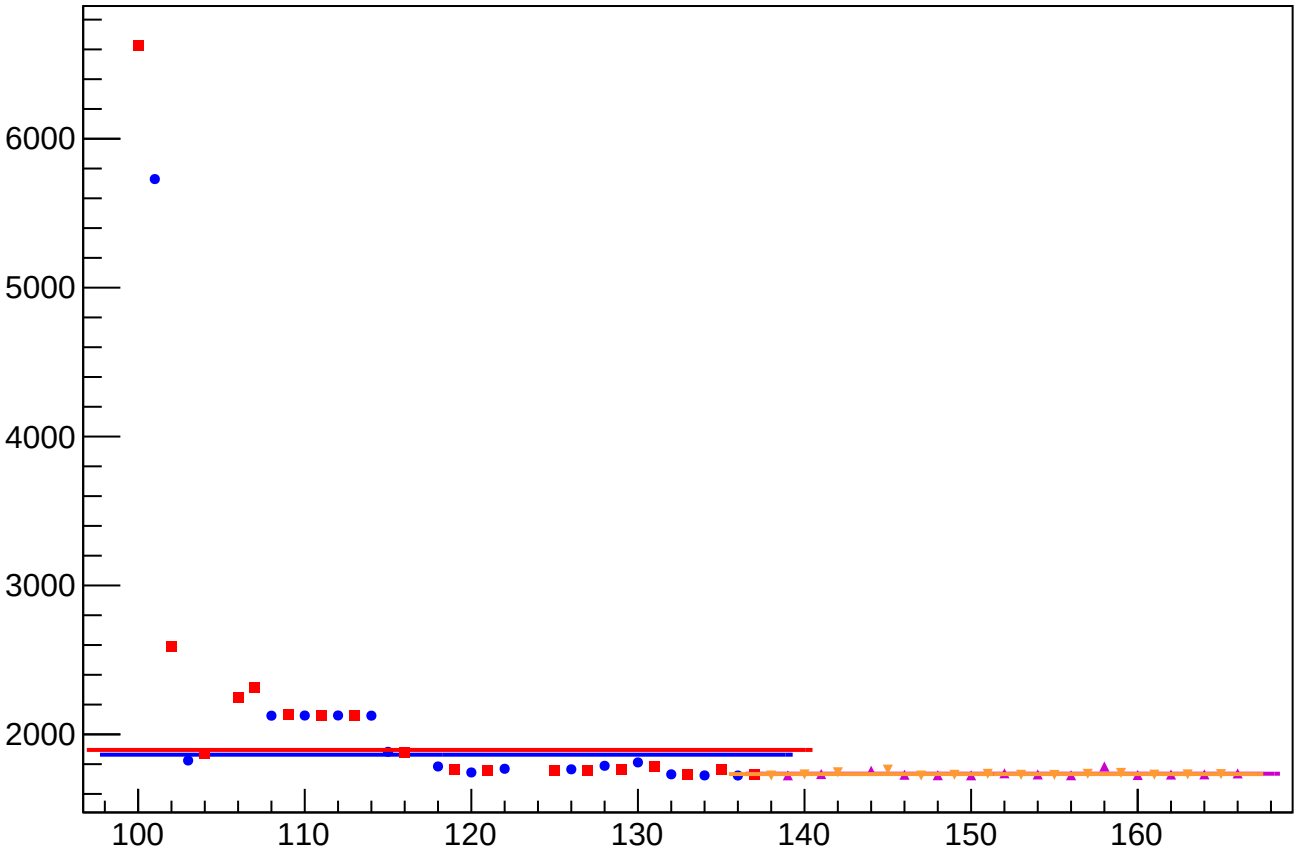
Left: 179.416+/-365.187 χ^2/NDF: 25.0/27

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 5.159+/-414.477 χ^2/NDF:31.4/29

Out: 309.208+/-421.359 χ^2/NDF:25.4/31

All: 154.680+/-295.483 χ^2/NDF: 57.1/61



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.793+/-0.361 χ^2/NDF:1909.6/13

Left: 1734.548+/-0.258 χ^2/NDF: 2647.2/27

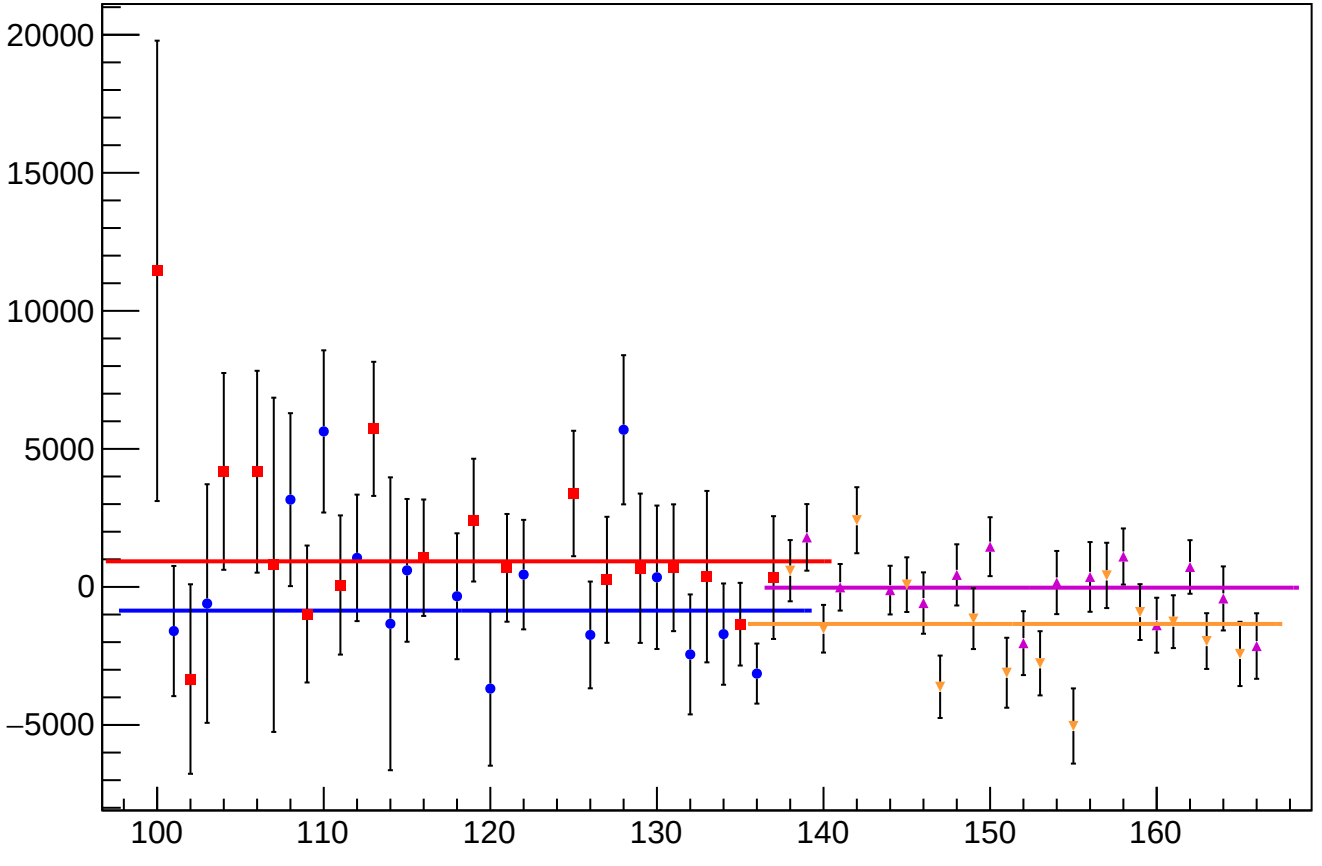
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1779.446+/-0.293 χ^2/NDF:719333.3/29

Out: 1789.894+/-0.298 χ^2/NDF:327268.6/31

All: 1784.584+/-0.209 χ^2/NDF: 1047226.9/61

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -27.181+/-282.750 χ^2/NDF:14.8/13

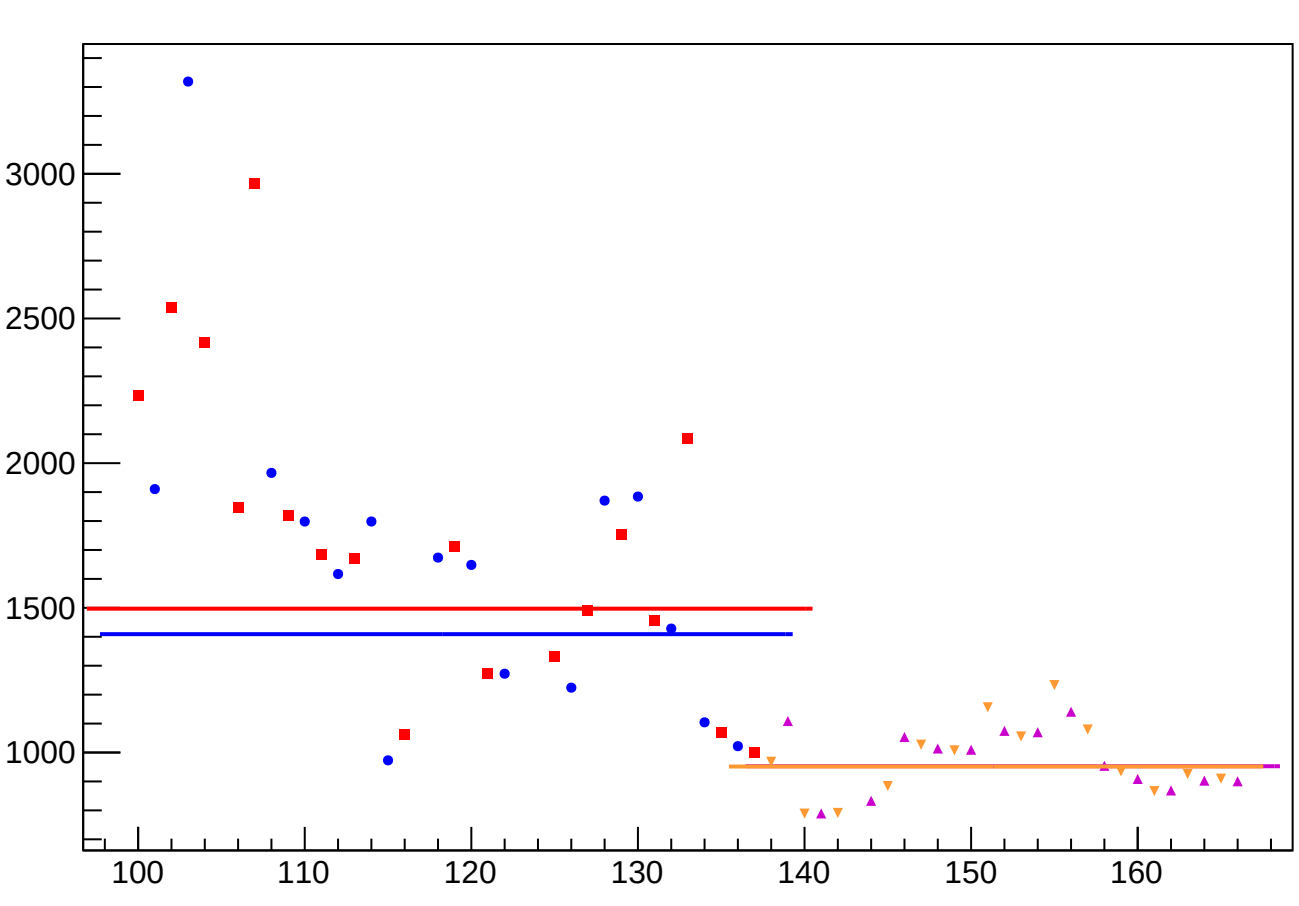
Left: -667.160+/-202.473 χ^2/NDF: 58.8/27

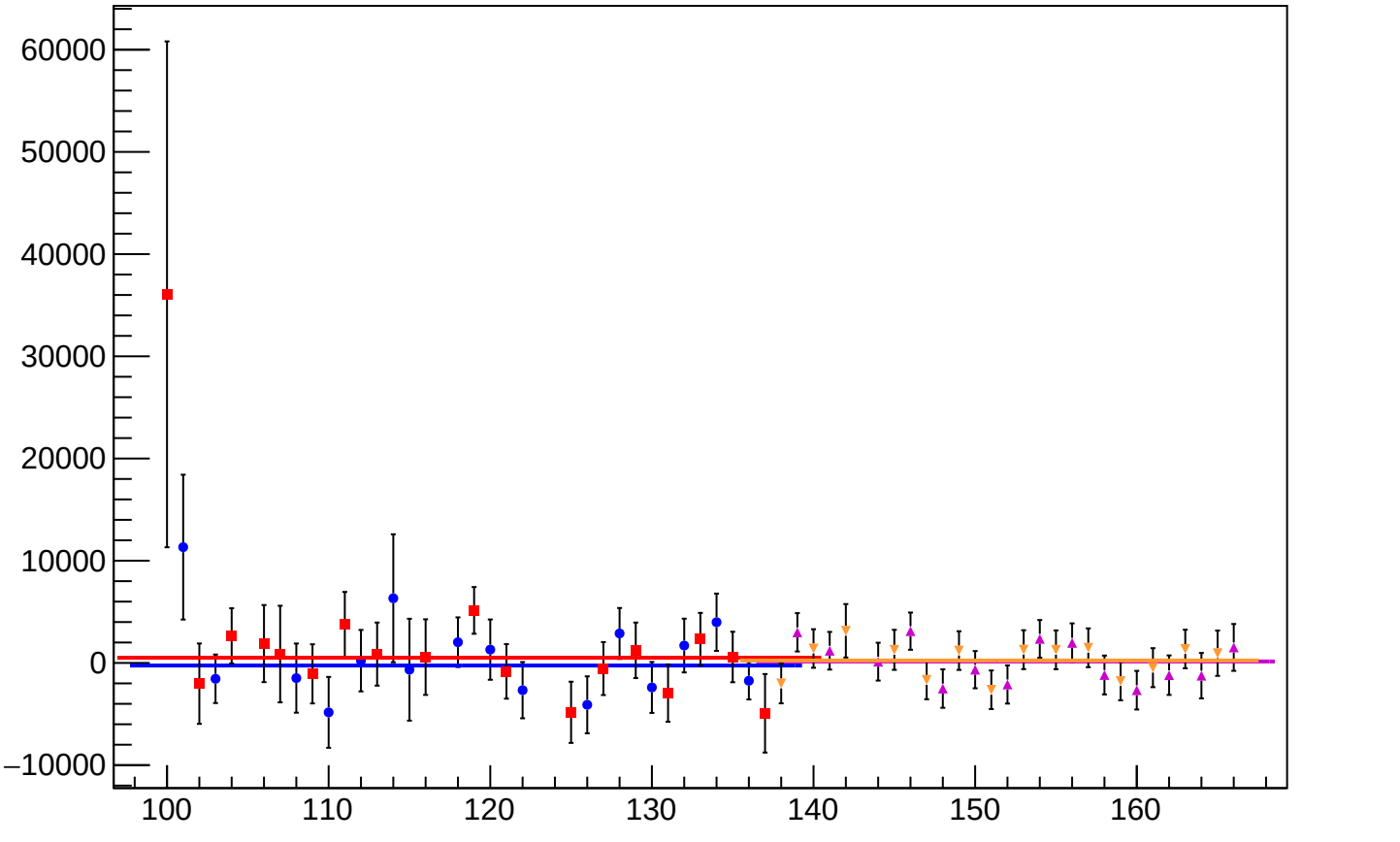
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -201.007+/-251.442 χ^2/NDF:37.2/29

Out: -893.007+/-259.866 χ^2/NDF:59.1/31

All: -535.609+/-180.701 χ^2/NDF: 100.0/61


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 951.673+/-0.205 χ²/NDF:328015.6/13
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 952.636+/-0.200 χ²/NDF:287652.4/13
Left: 952.167+/-0.143 χ²/NDF: 615679.3/27
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1048.108+/-0.178 χ²/NDF:2544728.1/29
Out: 1059.352+/-0.184 χ²/NDF:2742297.0/31
All: 1053.545+/-0.128 χ²/NDF: 5288959.0/61



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 240.625+/-522.493 χ^2/NDF:9.6/13

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 143.032+/-511.100 χ^2/NDF:15.2/13

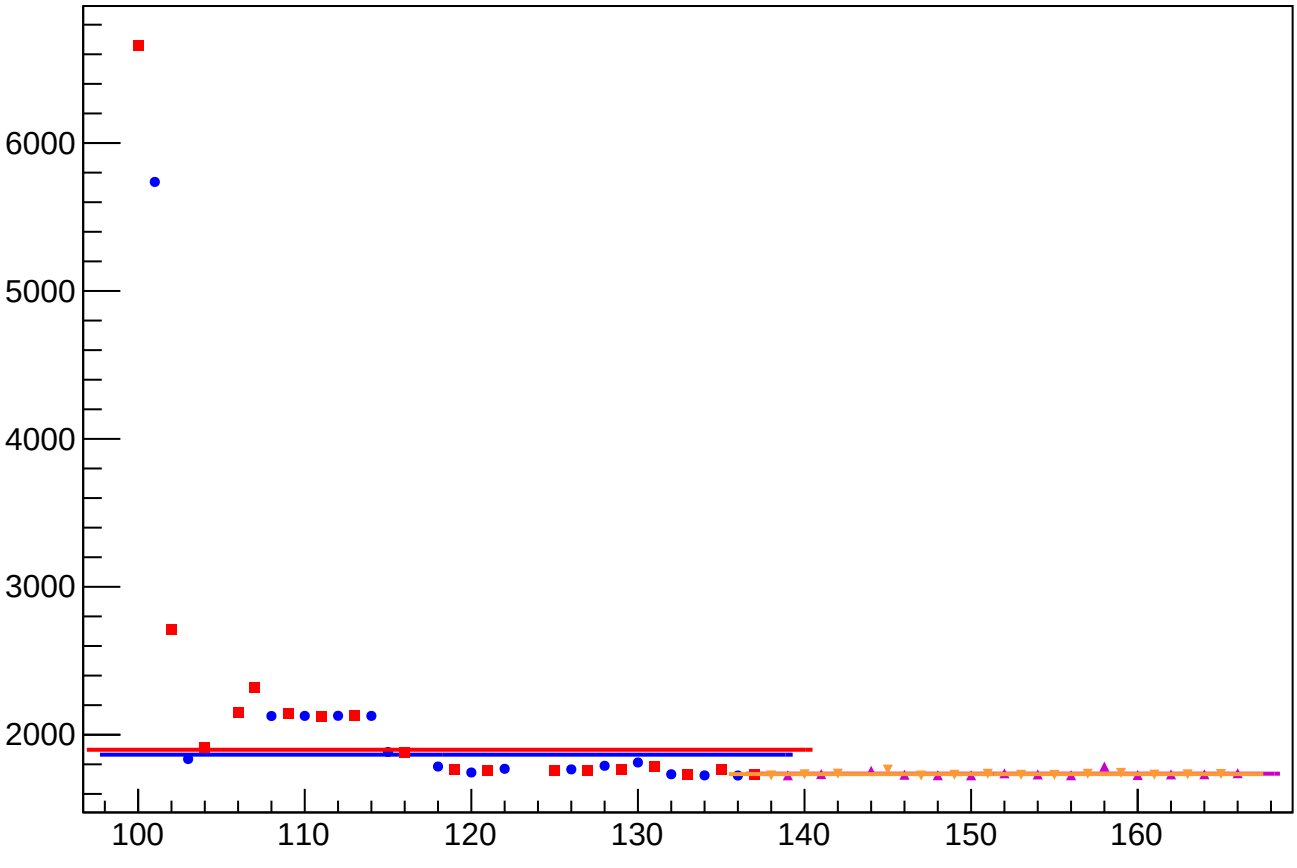
Left: 190.753+/-365.364 χ^2/NDF: 24.8/27

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 8.183+/-414.798 χ^2/NDF:31.0/29

Out: 334.363+/-421.949 χ^2/NDF:26.1/31

All: 168.485+/-295.802 χ^2/NDF: 57.4/61



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.886+/-0.369 χ^2/NDF:662.0/13

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.787+/-0.361 χ^2/NDF:1902.0/13

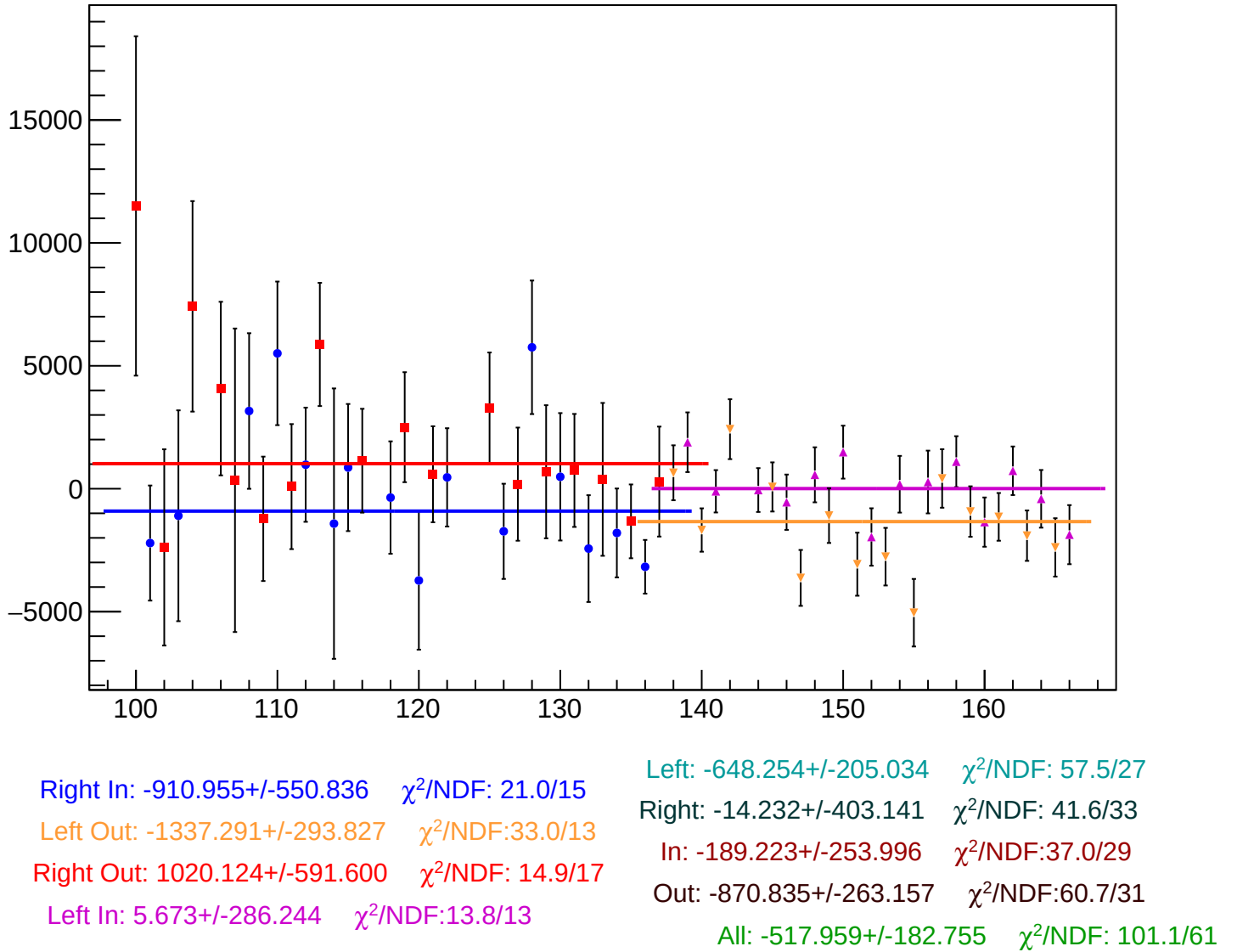
Left: 1735.368+/-0.258 χ^2/NDF: 2595.5/27

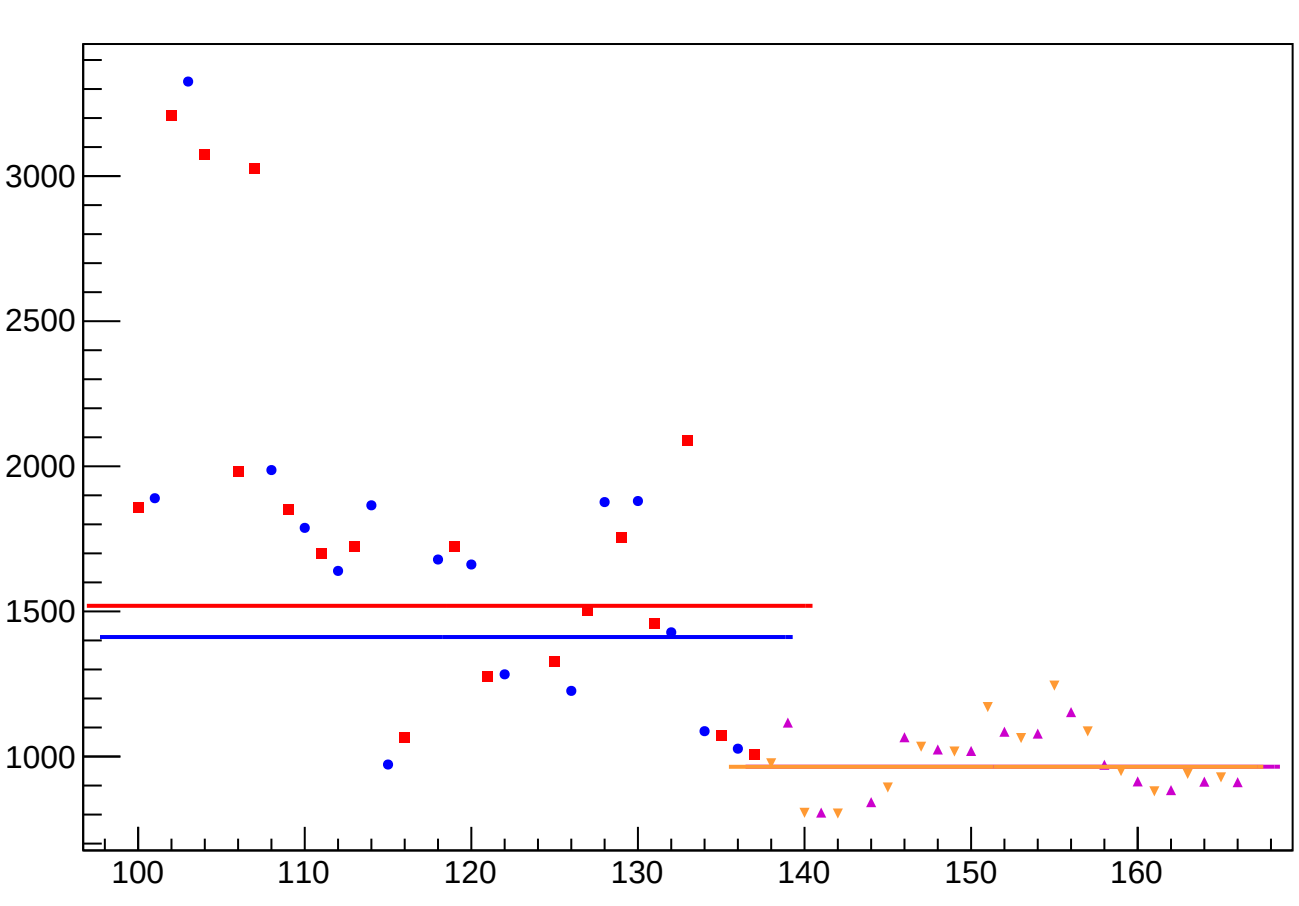
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1780.701+/-0.293 χ^2/NDF:720147.8/29

Out: 1791.180+/-0.298 χ^2/NDF:338910.3/31

All: 1785.851+/-0.209 χ^2/NDF: 1059685.4/61


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -910.955+/-550.836 χ²/NDF: 21.0/15
Left Out: -1337.291+/-293.827 χ²/NDF:33.0/13
Right Out: 1020.124+/-591.600 χ²/NDF: 14.9/17
Left In: 5.673+/-286.244 χ²/NDF:13.8/13
Left: -648.254+/-205.034 χ²/NDF: 57.5/27
Right: -14.232+/-403.141 χ²/NDF: 41.6/33
In: -189.223+/-253.996 χ²/NDF:37.0/29
Out: -870.835+/-263.157 χ²/NDF:60.7/31
All: -517.959+/-182.755 χ²/NDF: 101.1/61



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 964.615+/-0.208 χ^2/NDF:310147.9/13

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 964.917+/-0.202 χ^2/NDF:273740.0/13

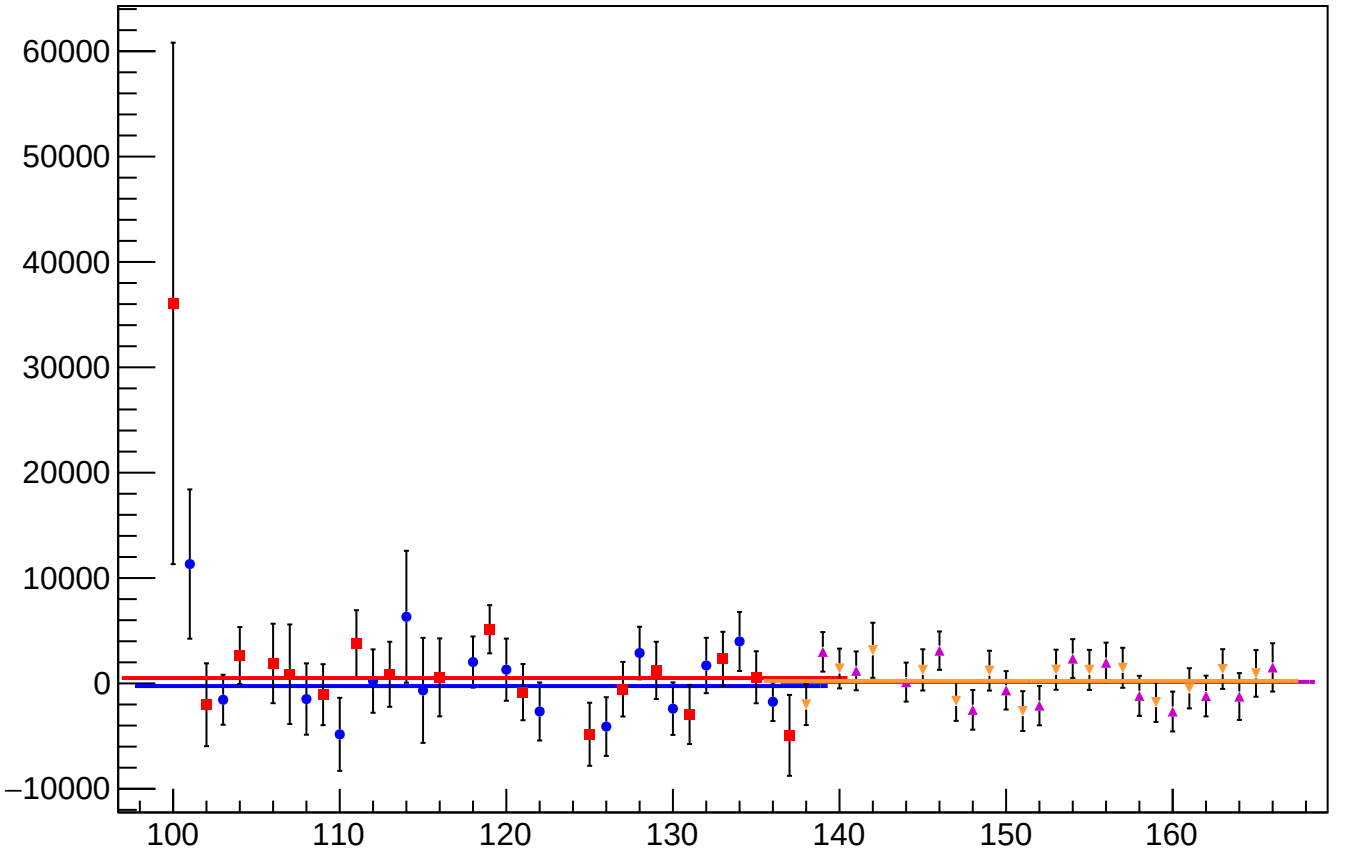
Left: 964.770+/-0.145 χ^2/NDF: 583889.0/27

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1059.923+/-0.180 χ^2/NDF:2487713.4/29

Out: 1074.370+/-0.186 χ^2/NDF:3080624.2/31

All: 1066.891+/-0.129 χ^2/NDF: 5571458.1/61



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 240.625+/-522.493 χ^2/NDF:9.6/13

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 143.032+/-511.100 χ^2/NDF:15.2/13

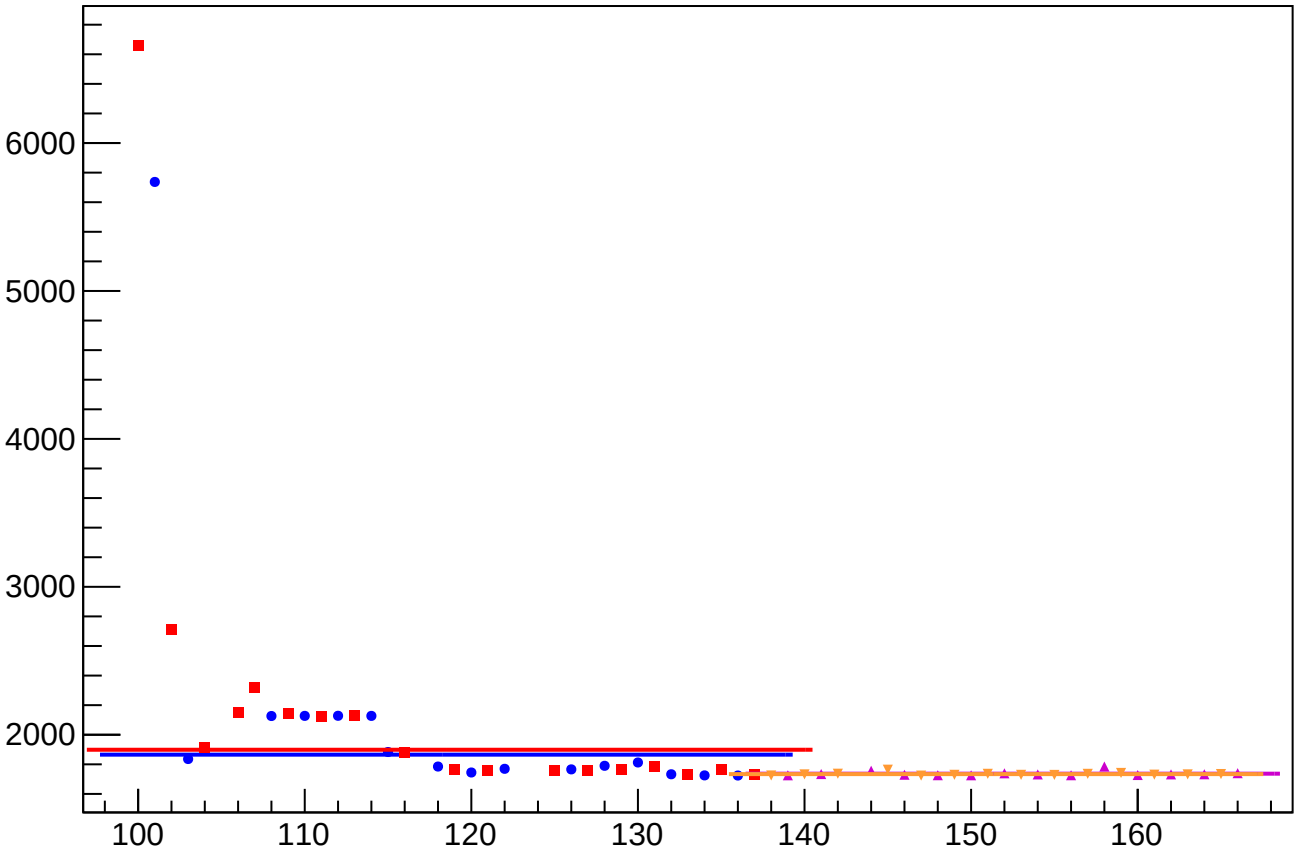
Left: 190.753+/-365.364 χ^2/NDF: 24.8/27

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

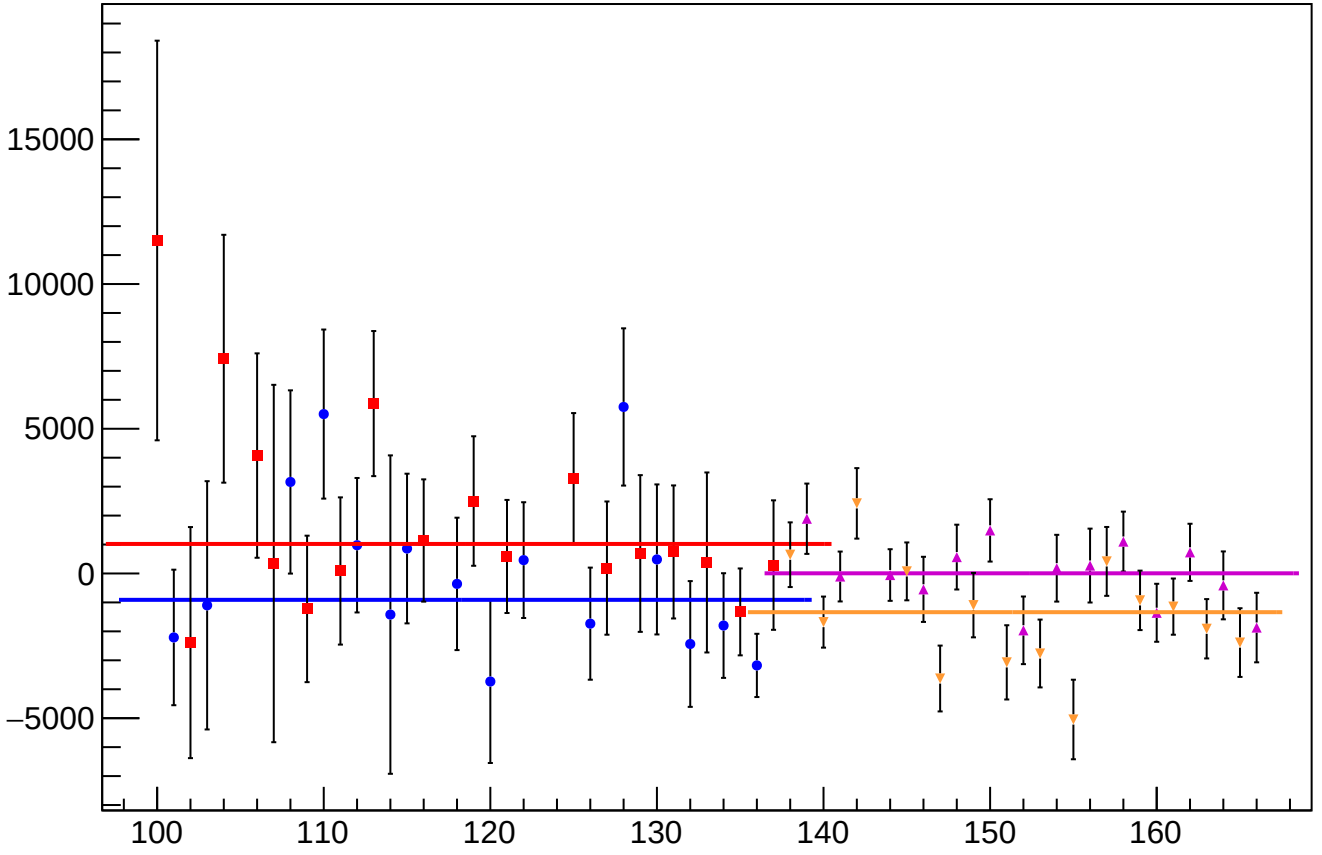
In: 8.183+/-414.798 χ^2/NDF:31.0/29

Out: 334.363+/-421.949 χ^2/NDF:26.1/31

All: 168.486+/-295.802 χ^2/NDF: 57.4/61


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1733.886+/-0.369 χ²/NDF:662.0/13
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1736.787+/-0.361 χ²/NDF:1902.0/13
Left: 1735.368+/-0.258 χ²/NDF: 2595.5/27
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1780.701+/-0.293 χ²/NDF:720147.8/29
Out: 1791.180+/-0.298 χ²/NDF:338910.0/31
All: 1785.851+/-0.209 χ²/NDF: 1059685.1/61

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1337.288+/-293.827 χ^2/NDF:33.0/13

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 5.670+/-286.244 χ^2/NDF:13.8/13

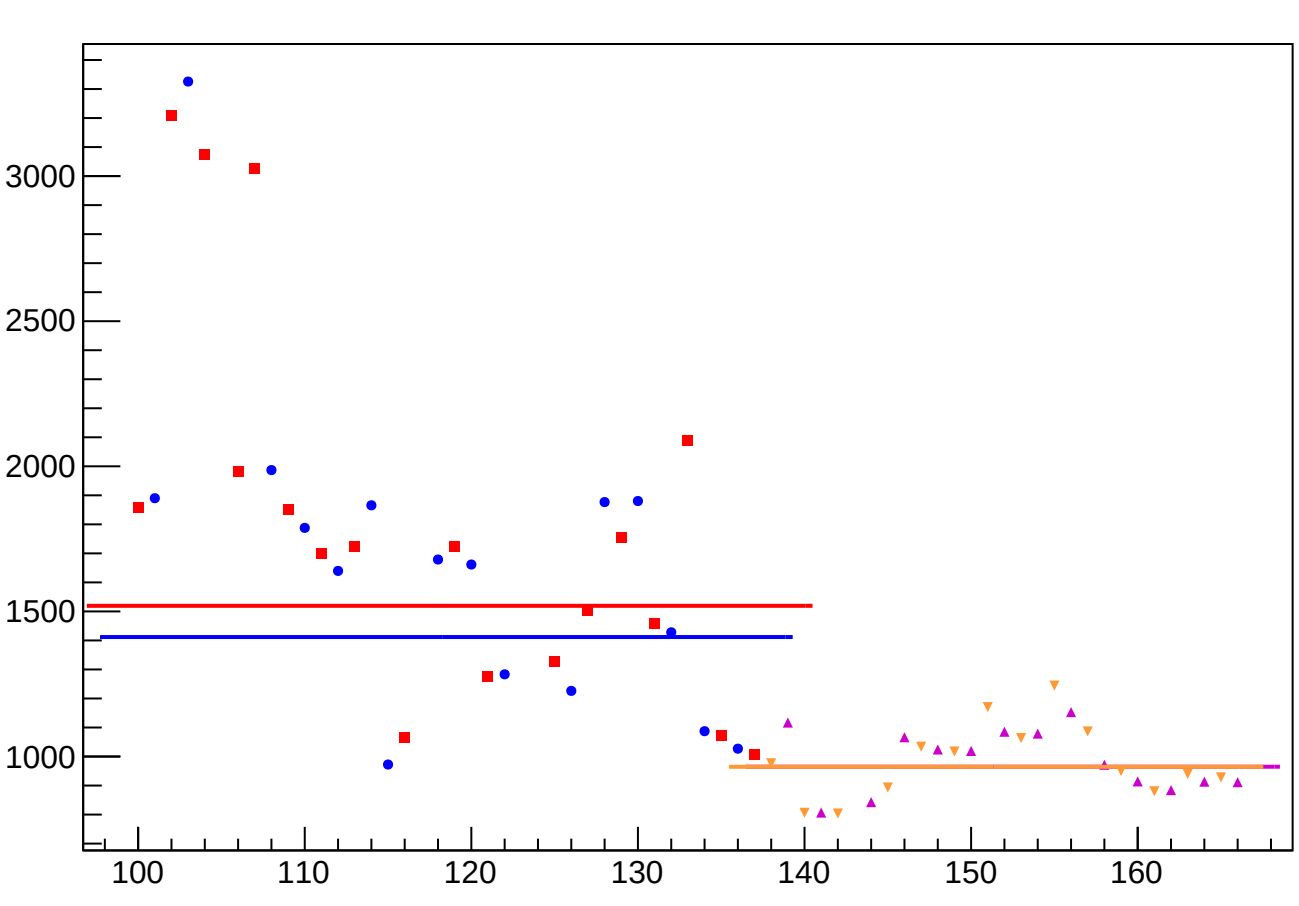
Left: -648.254+/-205.033 χ^2/NDF: 57.5/27

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -189.225+/-253.996 χ^2/NDF:37.0/29

Out: -870.832+/-263.157 χ^2/NDF:60.7/31

All: -517.958+/-182.755 χ^2/NDF: 101.1/61



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 964.614+/-0.208 χ^2/NDF:310157.1/13

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 964.917+/-0.202 χ^2/NDF:273748.1/13

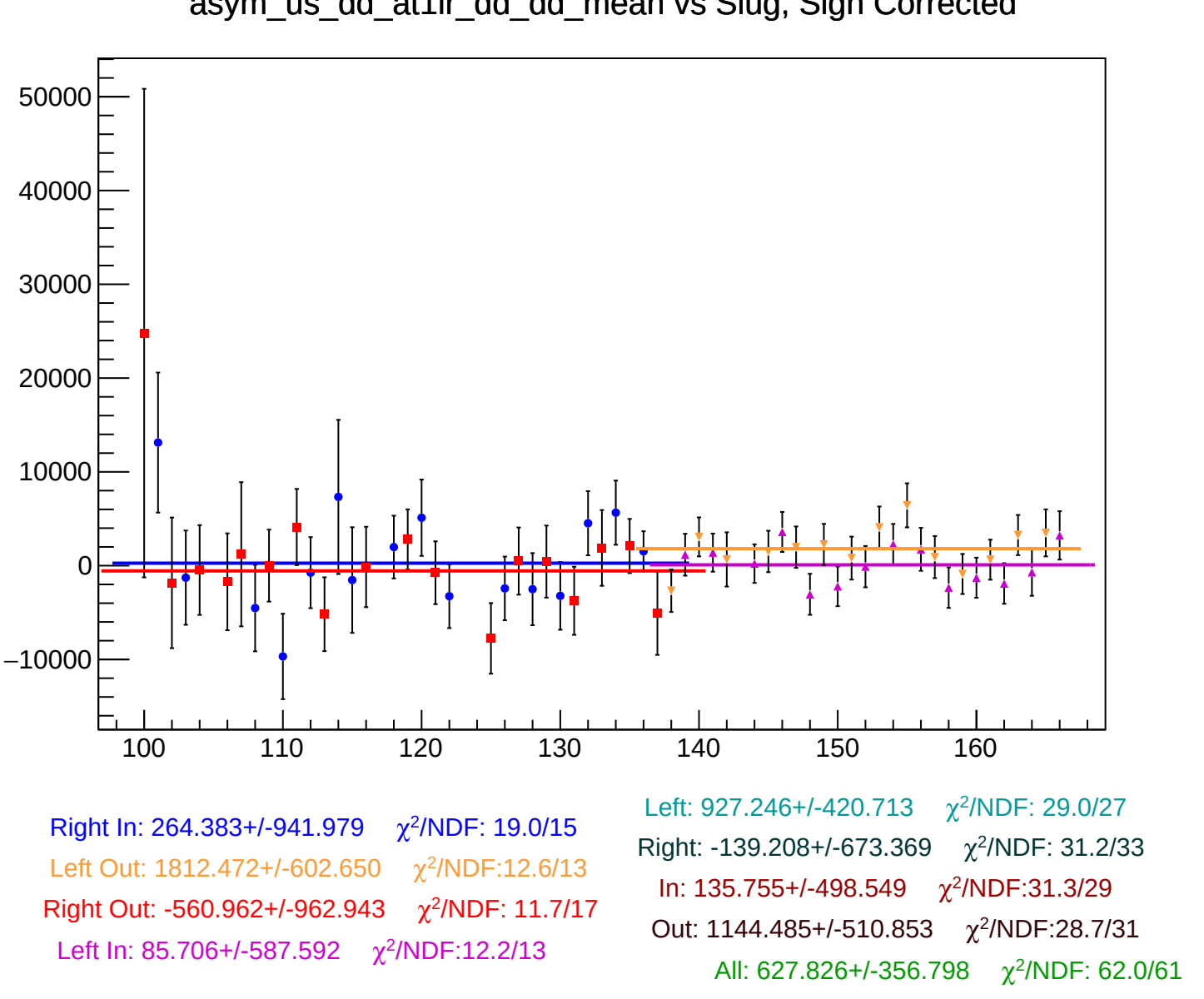
Left: 964.769+/-0.145 χ^2/NDF: 583906.3/27

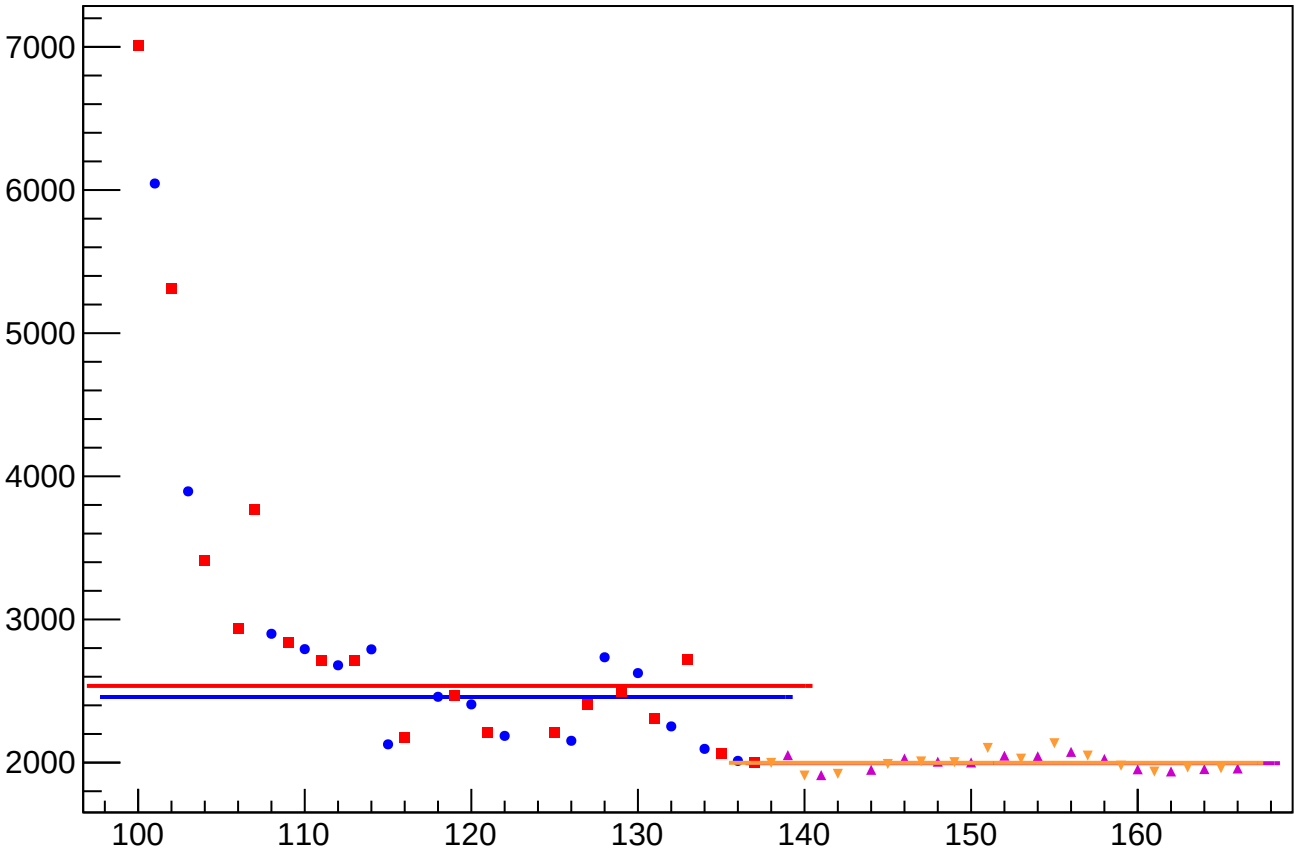
Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1059.923+/-0.180 χ^2/NDF:2487711.2/29

Out: 1074.369+/-0.186 χ^2/NDF:3080630.4/31

All: 1066.890+/-0.129 χ^2/NDF: 5571462.0/61


asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 264.383+/-941.979 χ²/NDF: 19.0/15
Left Out: 1812.472+/-602.650 χ²/NDF:12.6/13
Right Out: -560.962+/-962.943 χ²/NDF: 11.7/17
Left In: 85.706+/-587.592 χ²/NDF:12.2/13
Left: 927.246+/-420.713 χ²/NDF: 29.0/27
Right: -139.208+/-673.369 χ²/NDF: 31.2/33
In: 135.755+/-498.549 χ²/NDF:31.3/29
Out: 1144.485+/-510.853 χ²/NDF:28.7/31
All: 627.826+/-356.798 χ²/NDF: 62.0/61



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1998.615+/-0.426 χ^2/NDF:20161.4/13

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1995.907+/-0.415 χ^2/NDF:14207.1/13

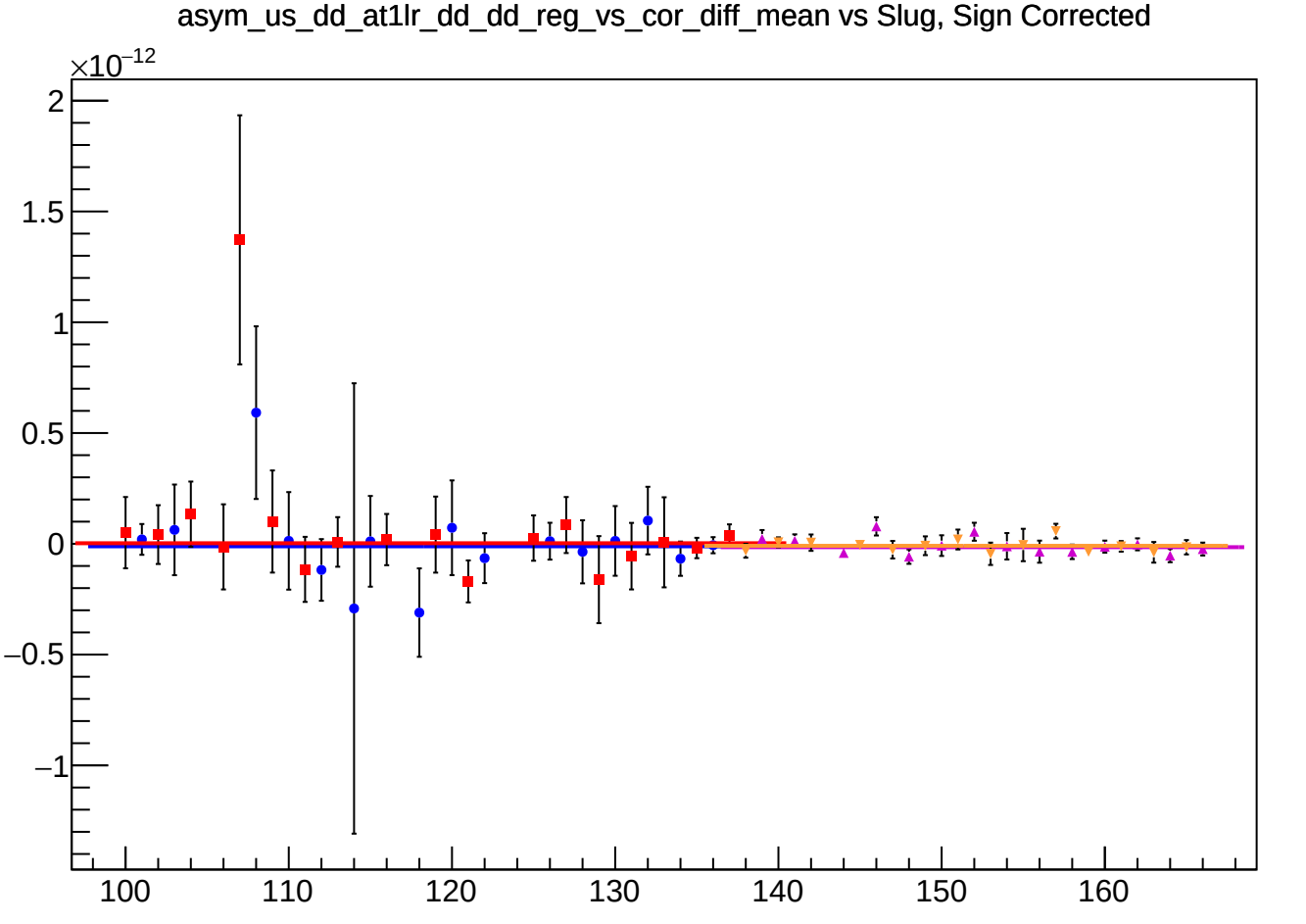
Left: 1997.227+/-0.297 χ^2/NDF: 34389.2/27

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2125.438+/-0.353 χ^2/NDF:1194067.5/29

Out: 2149.798+/-0.361 χ^2/NDF:1140707.8/31

All: 2137.321+/-0.252 χ^2/NDF: 2337104.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/13

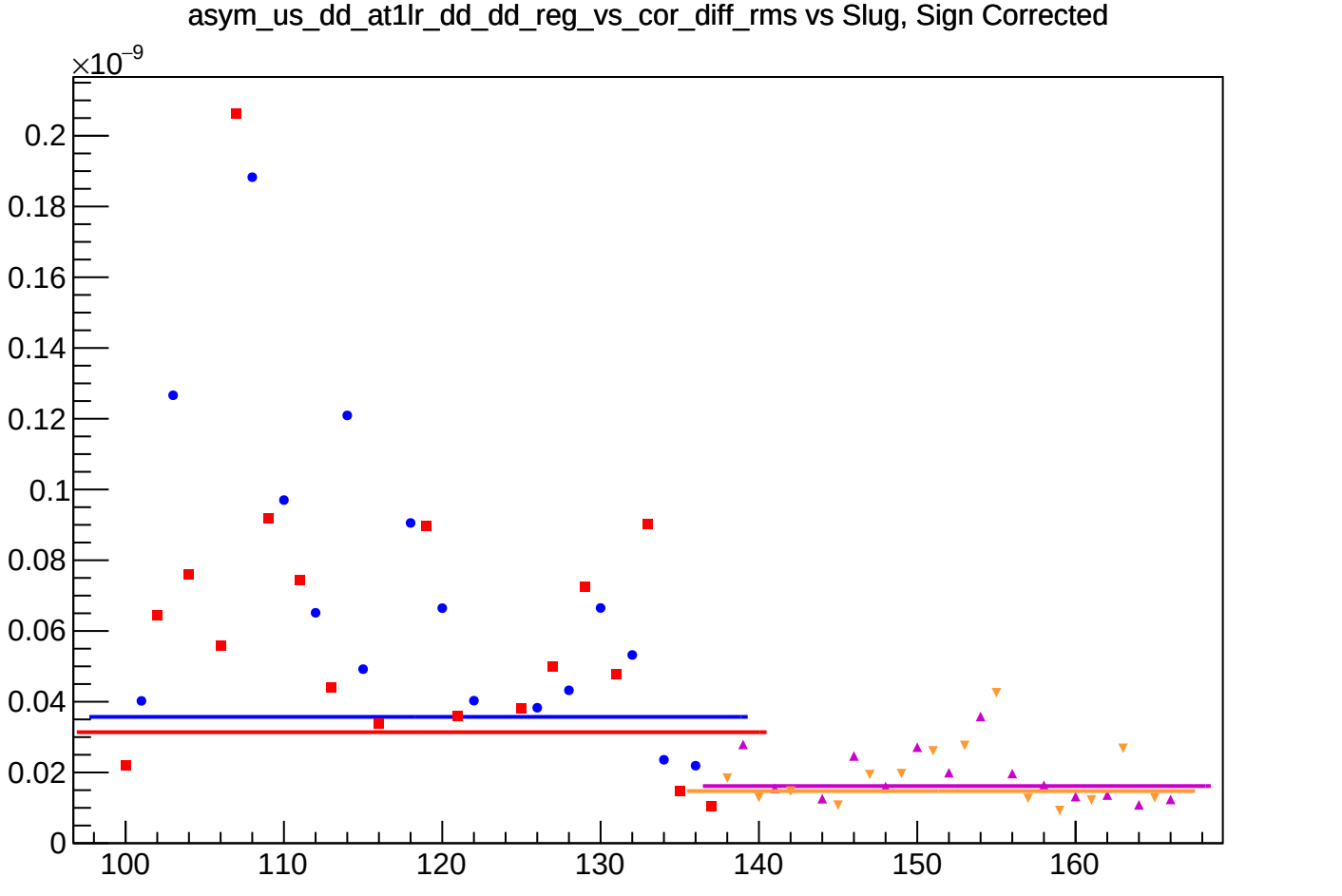
Left: -0.000+/-0.000 χ^2/NDF: 24.2/27

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

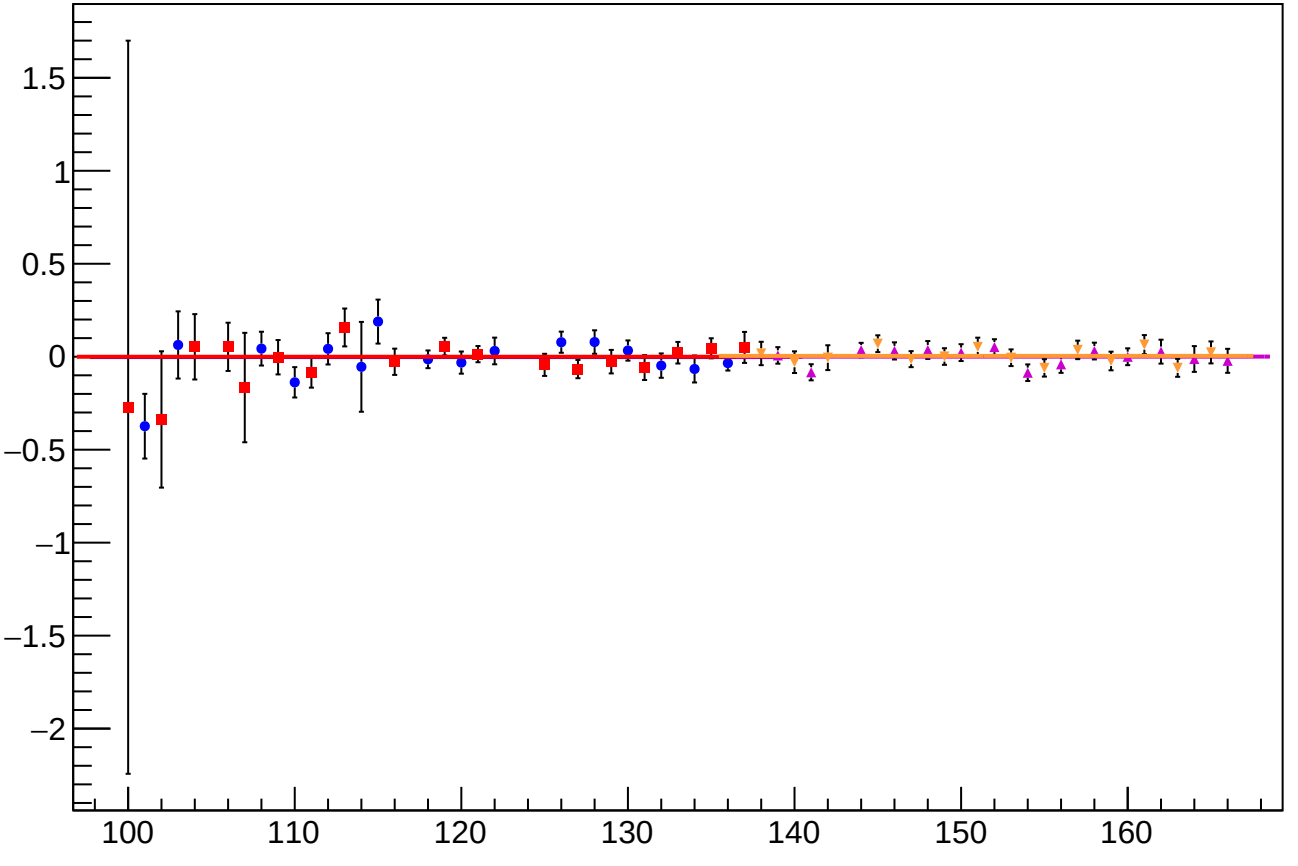
In: -0.000+/-0.000 χ^2/NDF:23.0/29

Out: -0.000+/-0.000 χ^2/NDF:21.6/31

All: -0.000+/-0.000 χ^2/NDF: 45.0/61


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1000993.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:810335.0/13
Left: 0.000+/-0.000 χ²/NDF: 1838769.2/27
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3558473.2/29
Out: 0.000+/-0.000 χ²/NDF:3902432.9/31
All: 0.000+/-0.000 χ²/NDF: 7511804.4/61

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.002+/-0.009 χ^2/NDF: 22.2/27

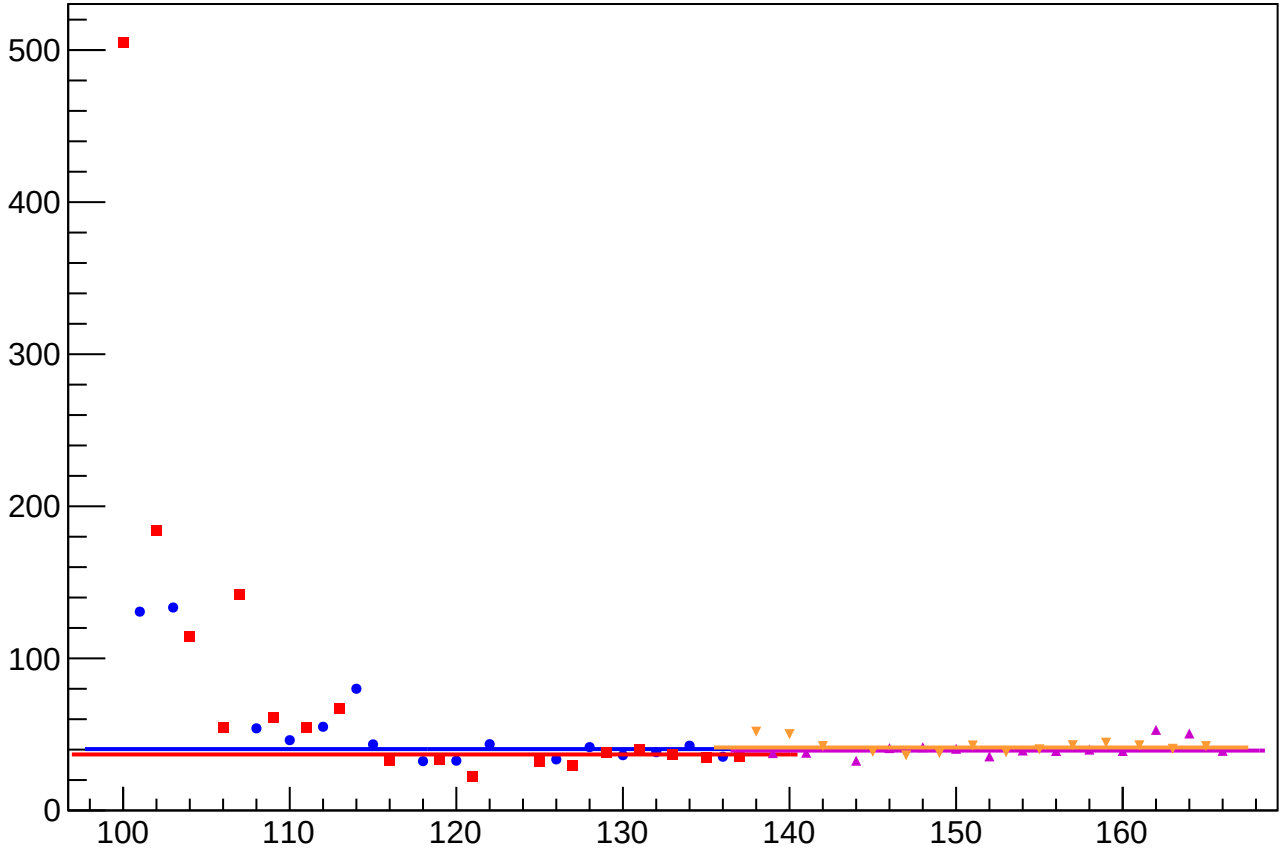
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.3/61

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.396+/-0.009 χ^2/NDF:175726.4/13

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.365+/-0.009 χ^2/NDF:231243.4/13

Left: 40.317+/-0.006 χ^2/NDF: 431306.0/27

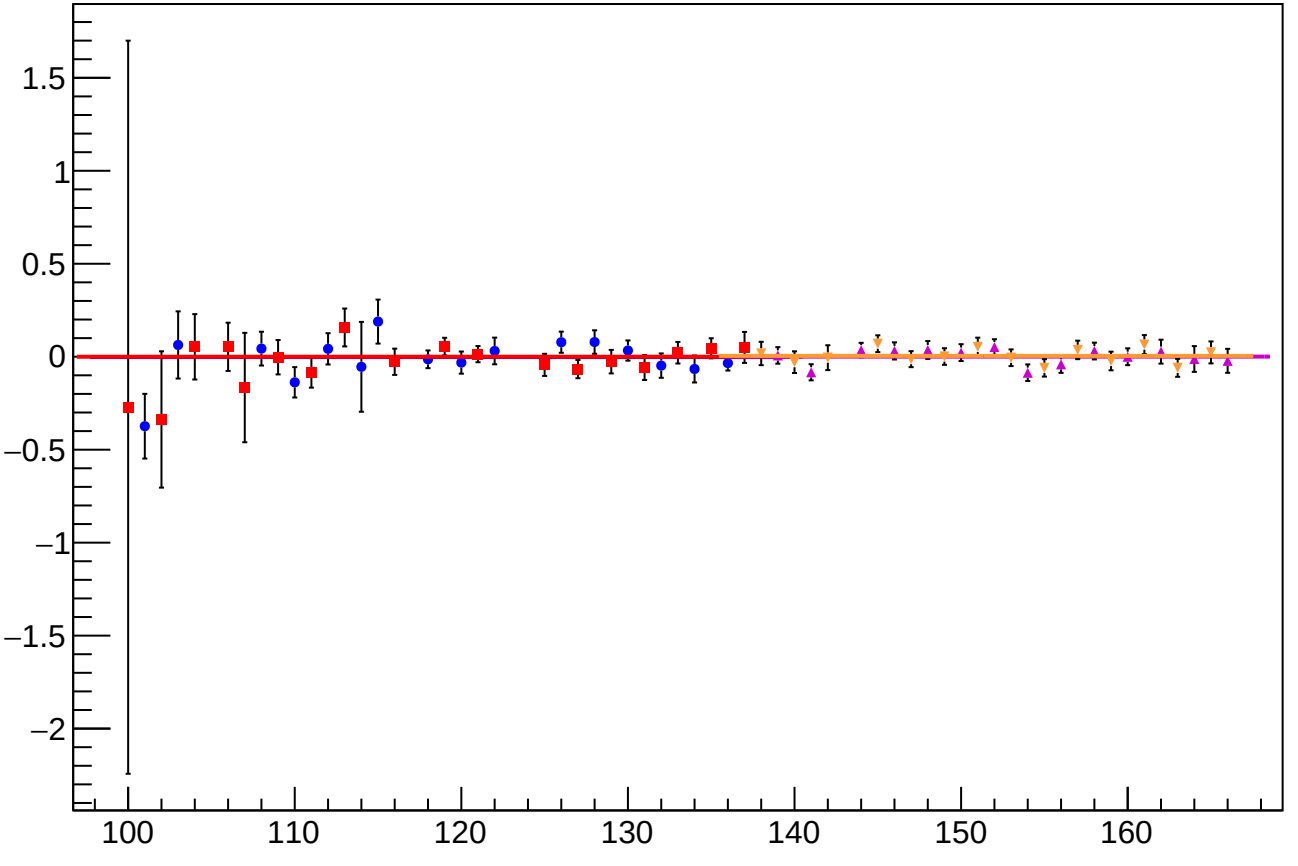
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.713+/-0.007 χ^2/NDF:1645697.2/29

Out: 39.598+/-0.007 χ^2/NDF:2104148.5/31

All: 39.658+/-0.005 χ^2/NDF: 3749969.8/61

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.002+/-0.009 χ^2/NDF: 22.2/27

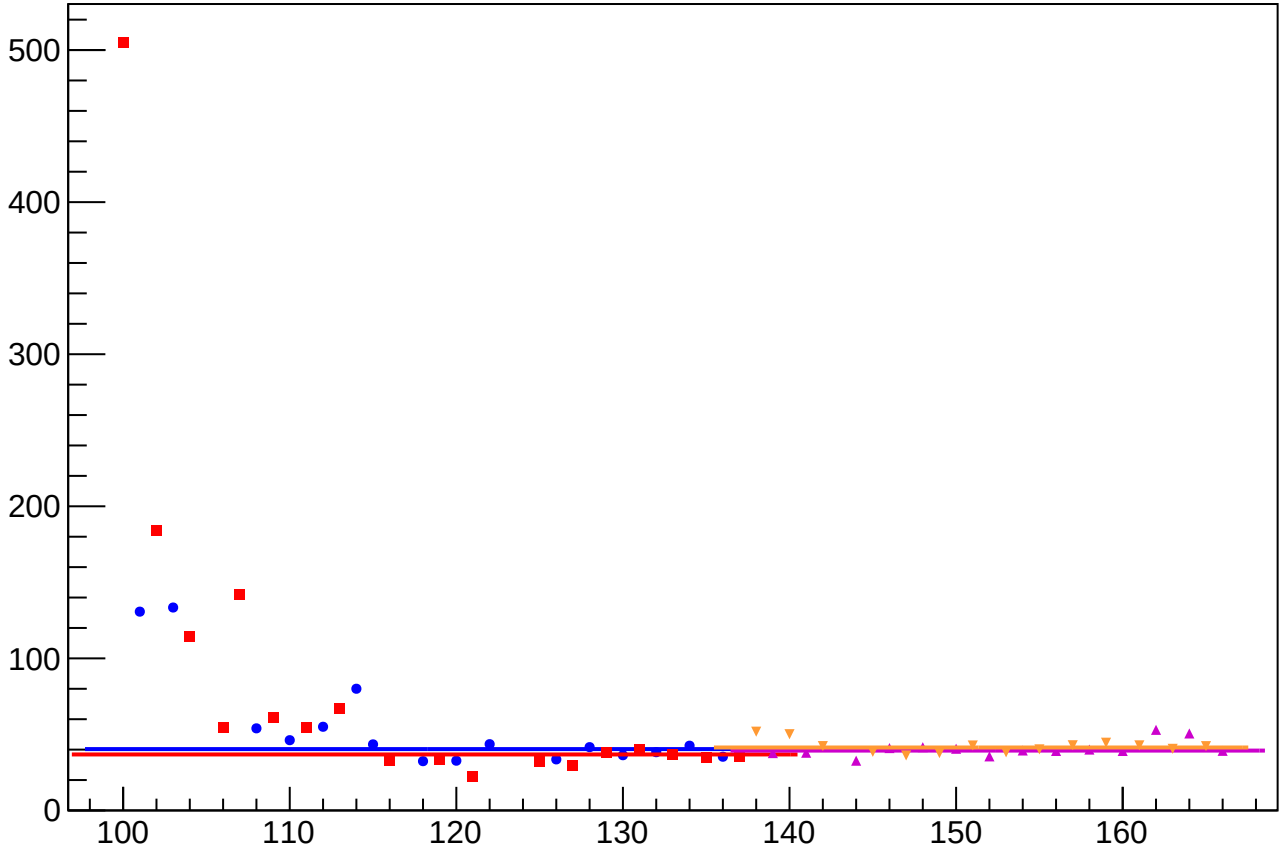
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.3/61

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.396+/-0.009 χ^2/NDF:175726.4/13

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.365+/-0.009 χ^2/NDF:231243.4/13

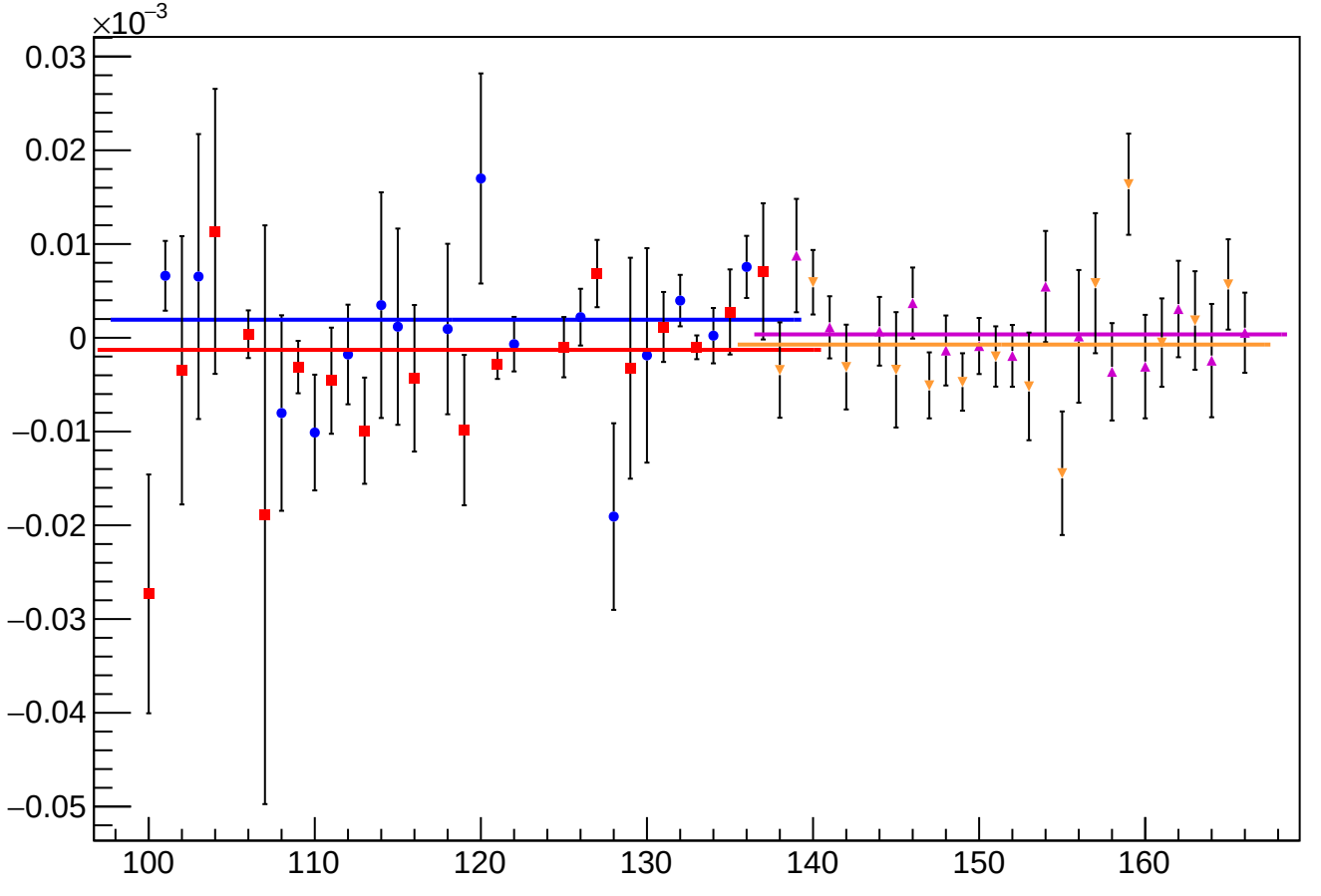
Left: 40.317+/-0.006 χ^2/NDF: 431306.0/27

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.713+/-0.007 χ^2/NDF:1645697.2/29

Out: 39.598+/-0.007 χ^2/NDF:2104148.5/31

All: 39.658+/-0.005 χ^2/NDF: 3749969.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/13

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

Left In: 0.000+/-0.000 χ^2/NDF:5.8/13

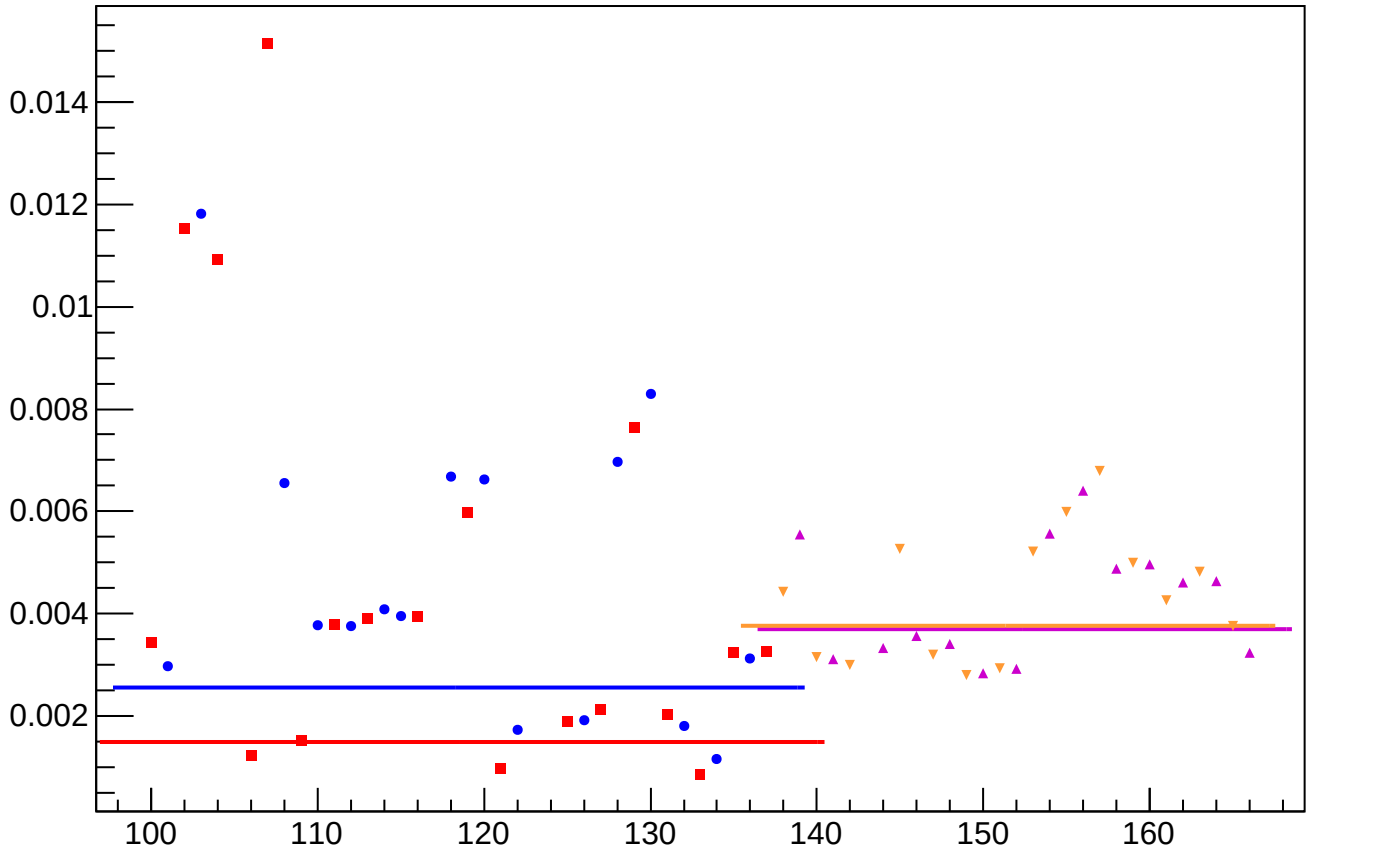
Left: -0.000+/-0.000 χ^2/NDF: 31.9/27

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

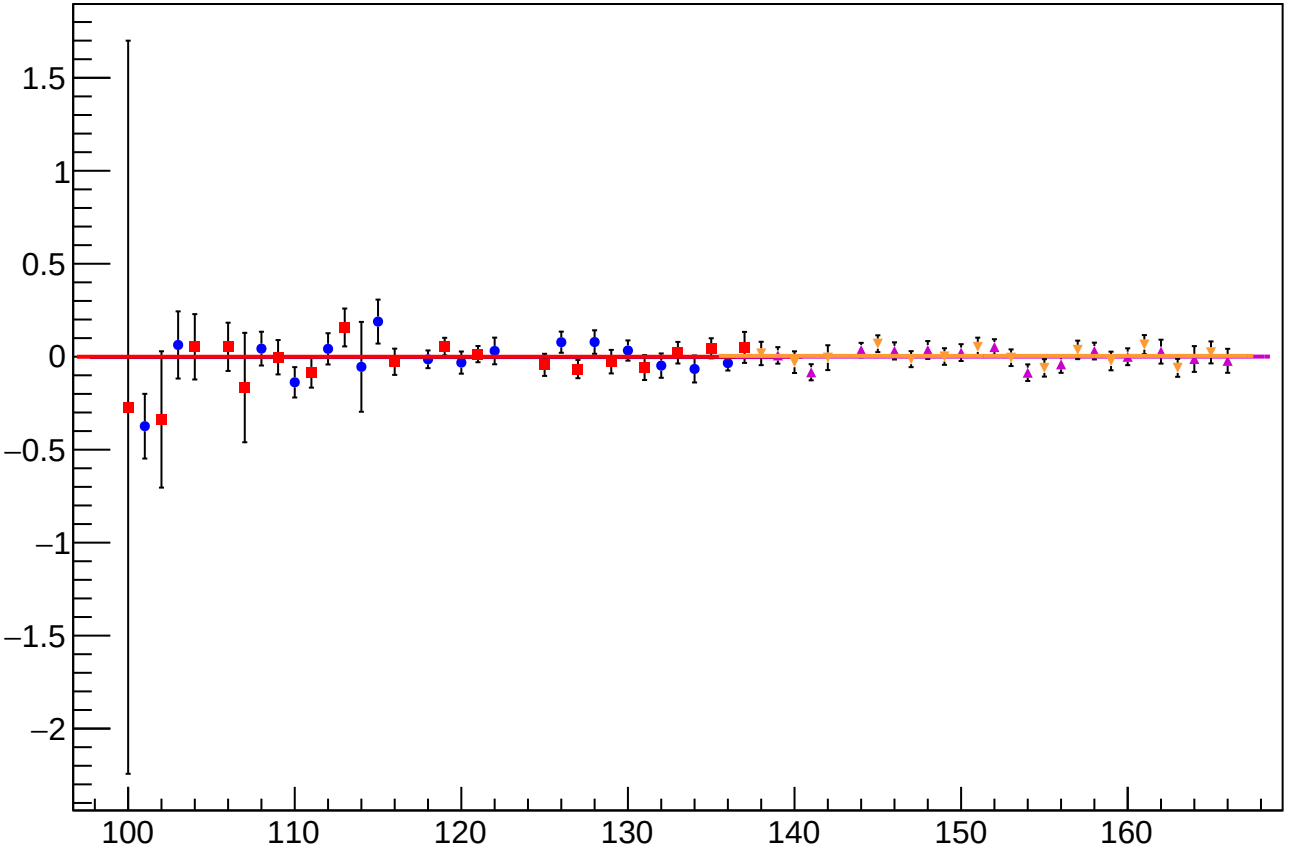
In: 0.000+/-0.000 χ^2/NDF:24.7/29

Out: -0.000+/-0.000 χ^2/NDF:44.7/31

All: -0.000+/-0.000 χ^2/NDF: 74.2/61


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:1542859.7/13
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1390787.1/13
Left: 0.004+/-0.000 χ²/NDF: 2936879.7/27
Right: 0.002+/-0.000 χ²/NDF: 10553457.3/33
In: 0.003+/-0.000 χ²/NDF:6174196.8/29
Out: 0.002+/-0.000 χ²/NDF:12328924.0/31
All: 0.003+/-0.000 χ²/NDF: 20348511.7/61

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.002+/-0.009 χ^2/NDF: 22.2/27

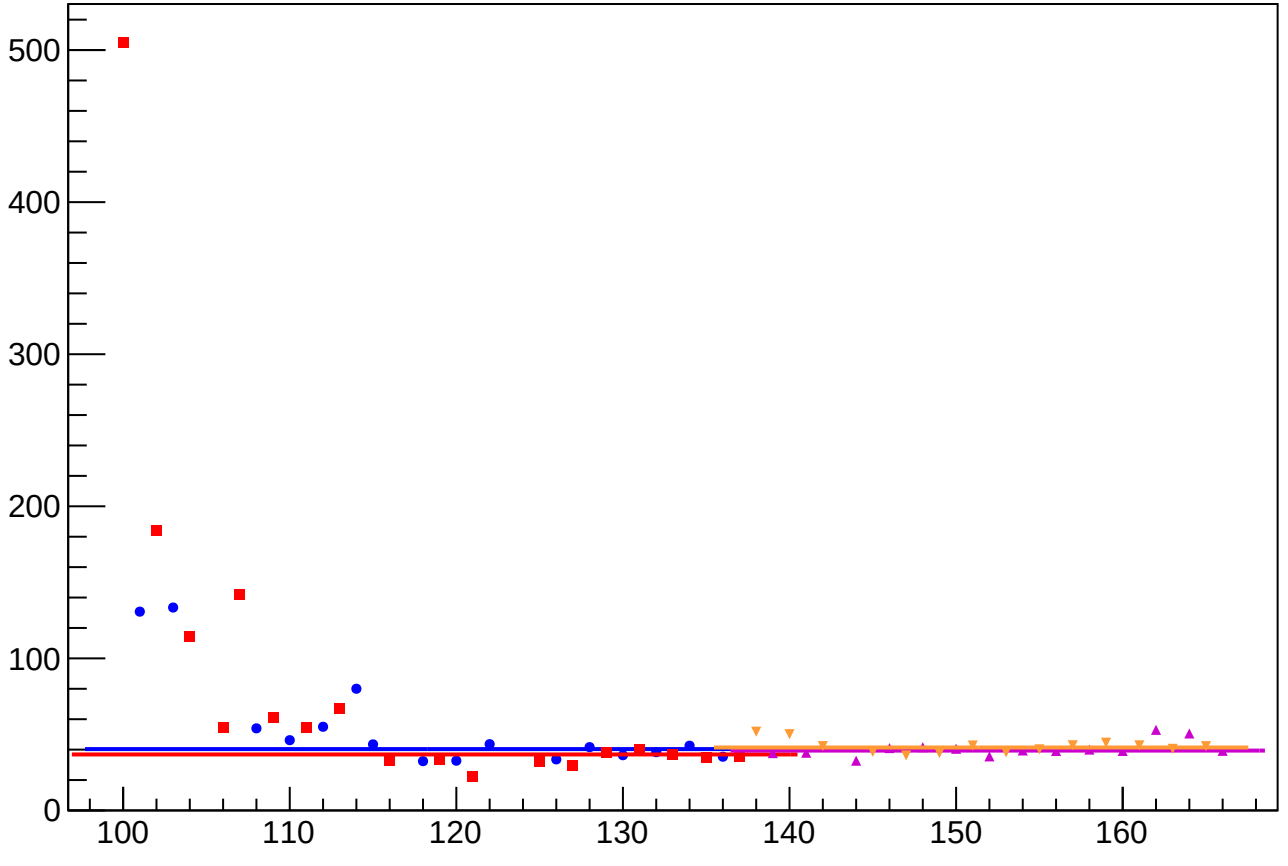
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.3/61

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.396+/-0.009 χ^2/NDF:175728.5/13

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.365+/-0.009 χ^2/NDF:231212.1/13

Left: 40.317+/-0.006 χ^2/NDF: 431276.0/27

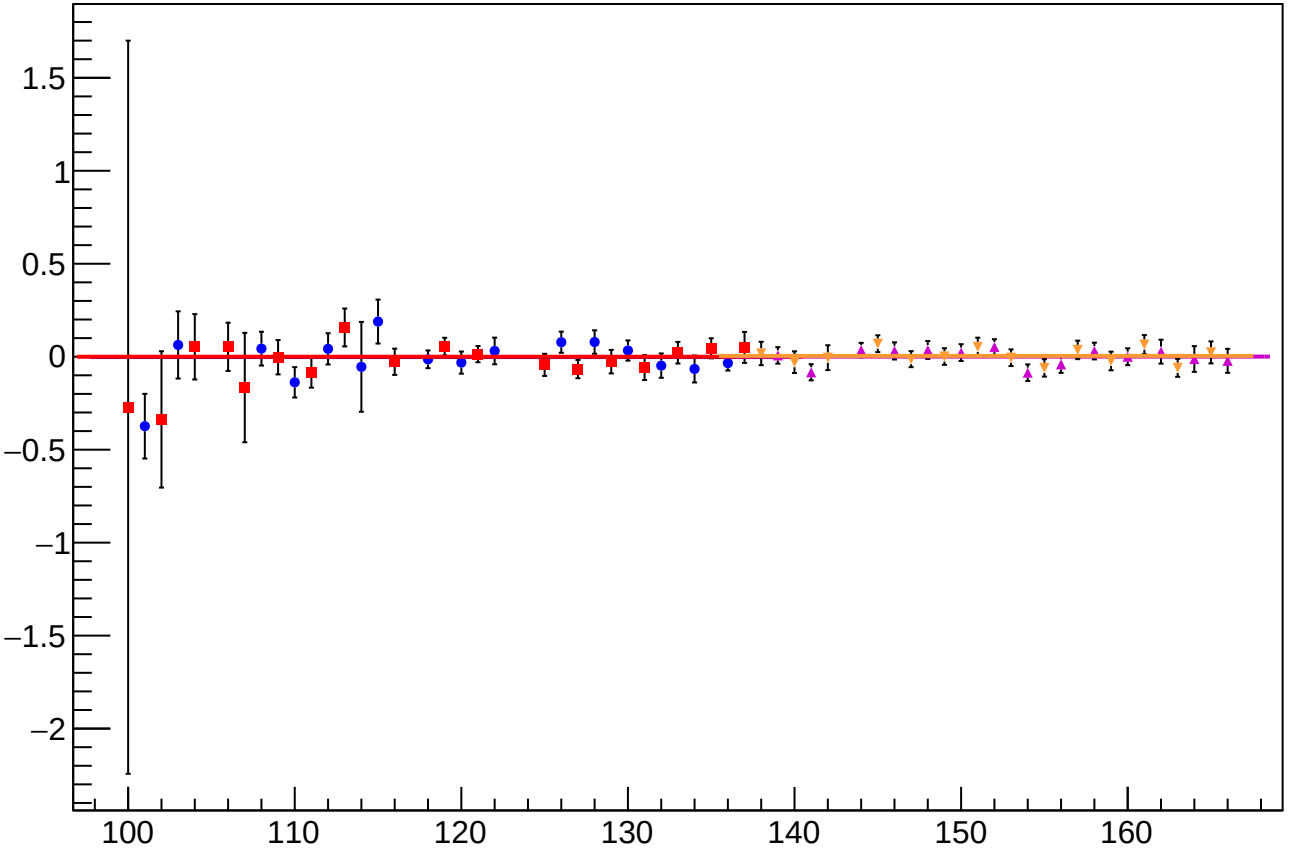
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.713+/-0.007 χ^2/NDF:1645570.3/29

Out: 39.598+/-0.007 χ^2/NDF:2104180.4/31

All: 39.657+/-0.005 χ^2/NDF: 3749876.0/61

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.7/13

Left: 0.002+/-0.009 χ^2/NDF: 22.2/27

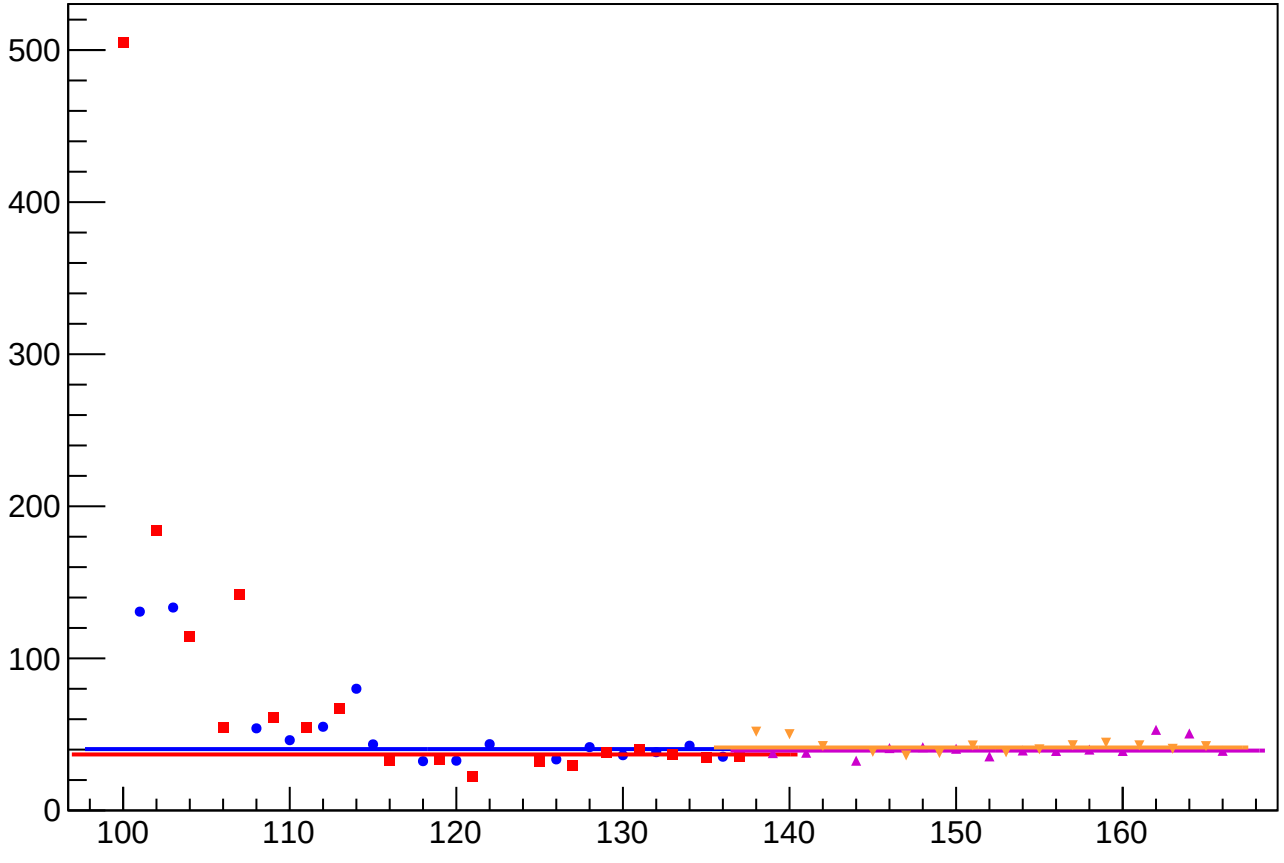
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.010 χ^2/NDF:29.8/29

Out: 0.003+/-0.010 χ^2/NDF:20.5/31

All: 0.001+/-0.007 χ^2/NDF: 50.3/61

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.396+/-0.009 χ^2/NDF:175728.5/13

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.365+/-0.009 χ^2/NDF:231212.1/13

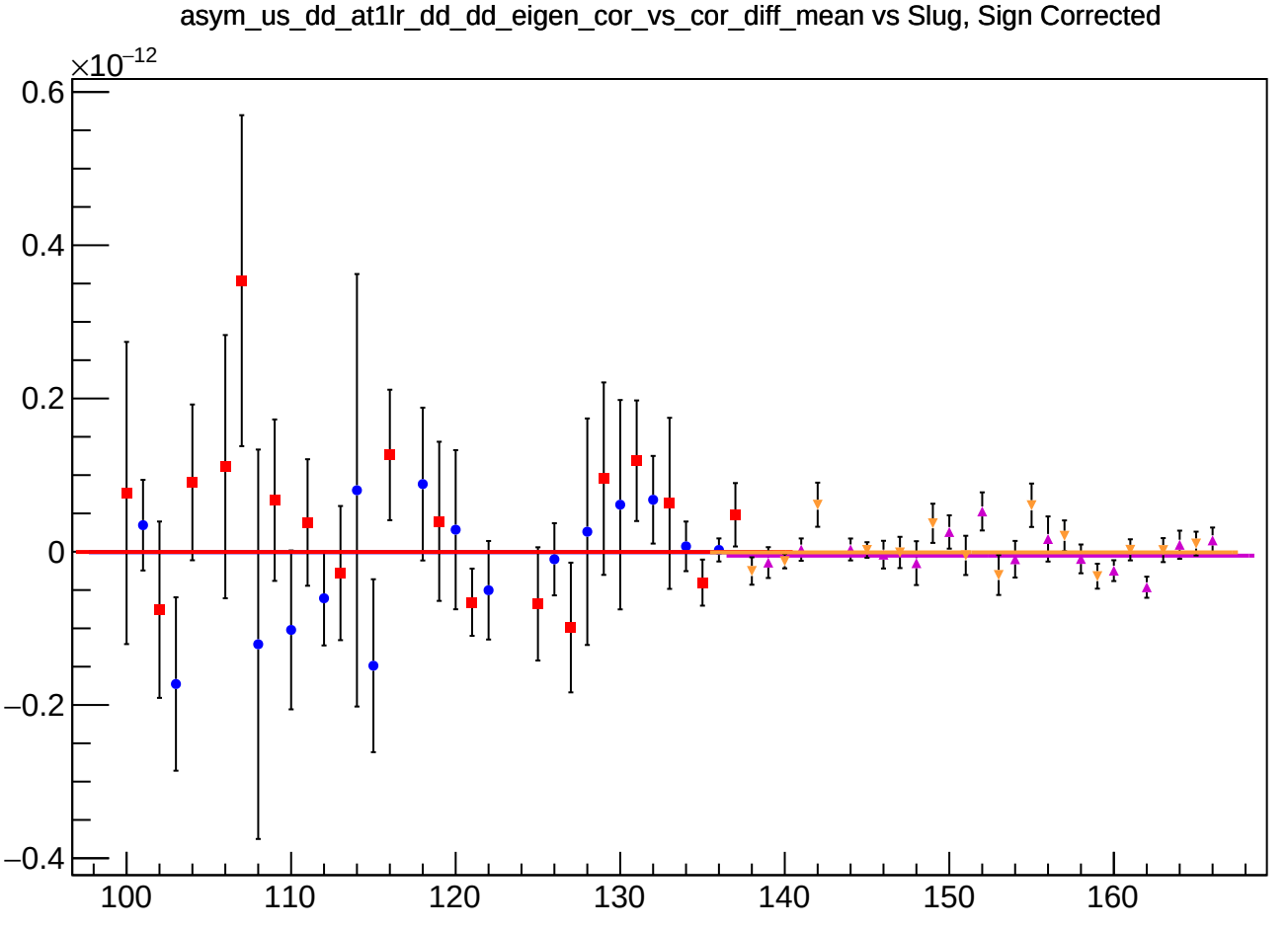
Left: 40.317+/-0.006 χ^2/NDF: 431276.0/27

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.713+/-0.007 χ^2/NDF:1645570.3/29

Out: 39.598+/-0.007 χ^2/NDF:2104180.4/31

All: 39.657+/-0.005 χ^2/NDF: 3749876.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:22.0/13

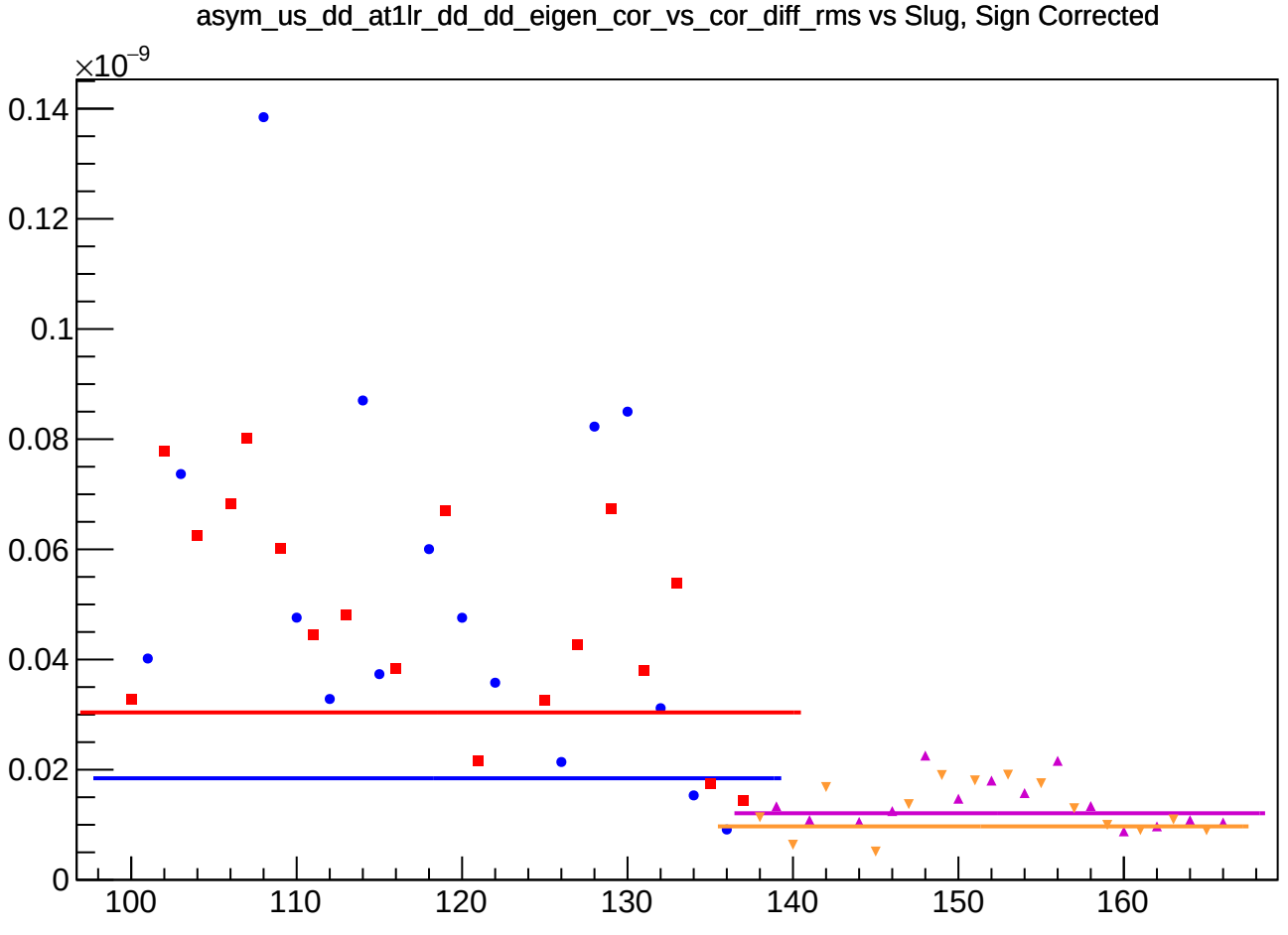
Left: -0.000+/-0.000 χ^2/NDF: 44.2/27

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:32.0/29

Out: -0.000+/-0.000 χ^2/NDF:40.1/31

All: -0.000+/-0.000 χ^2/NDF: 72.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1838341.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:929301.7/13

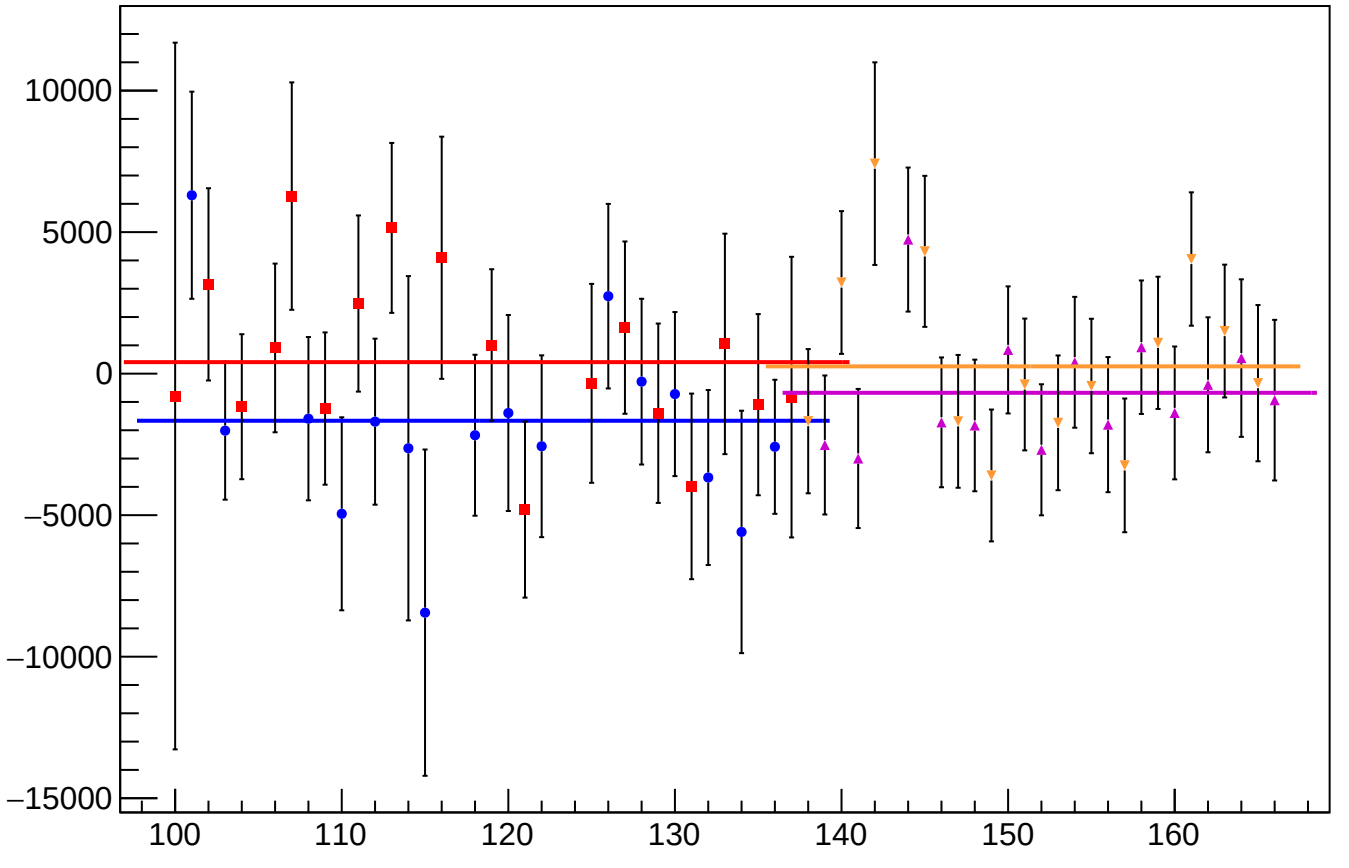
Left: 0.000+/-0.000 χ^2/NDF: 3038226.1/27

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:5466490.6/29

Out: 0.000+/-0.000 χ^2/NDF:7177942.7/31

All: 0.000+/-0.000 χ^2/NDF: 12854999.6/61



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.674+/-660.840 χ^2/NDF:17.8/13

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -676.670+/-645.587 χ^2/NDF:8.9/13

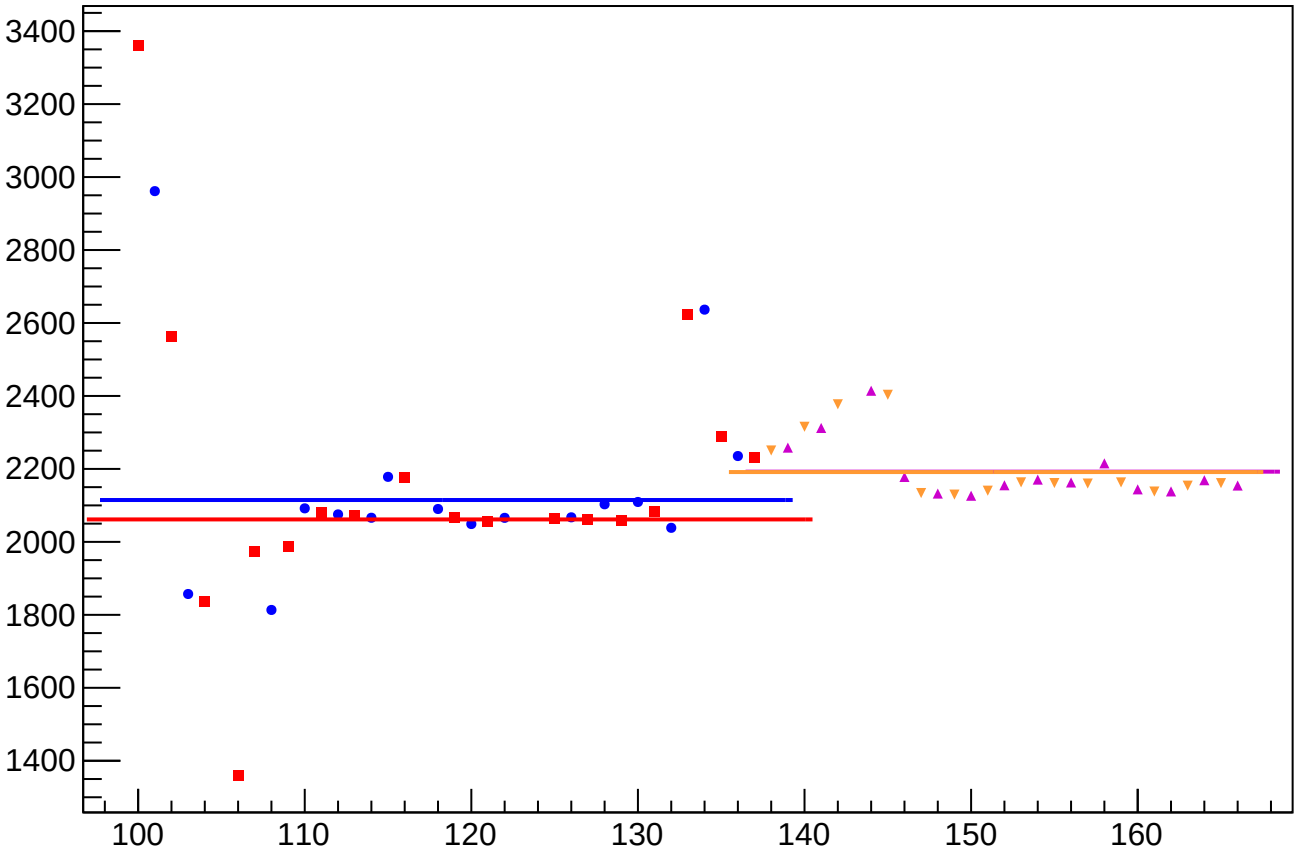
Left: -220.893+/-461.797 χ^2/NDF: 27.7/27

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1070.835+/-500.444 χ^2/NDF:20.6/29

Out: 319.692+/-503.438 χ^2/NDF:30.6/31

All: -379.718+/-354.921 χ^2/NDF: 55.0/61



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2192.445+/-0.456 χ^2/NDF:28110.9/13

Left: 2191.943+/-0.327 χ^2/NDF: 58636.5/27

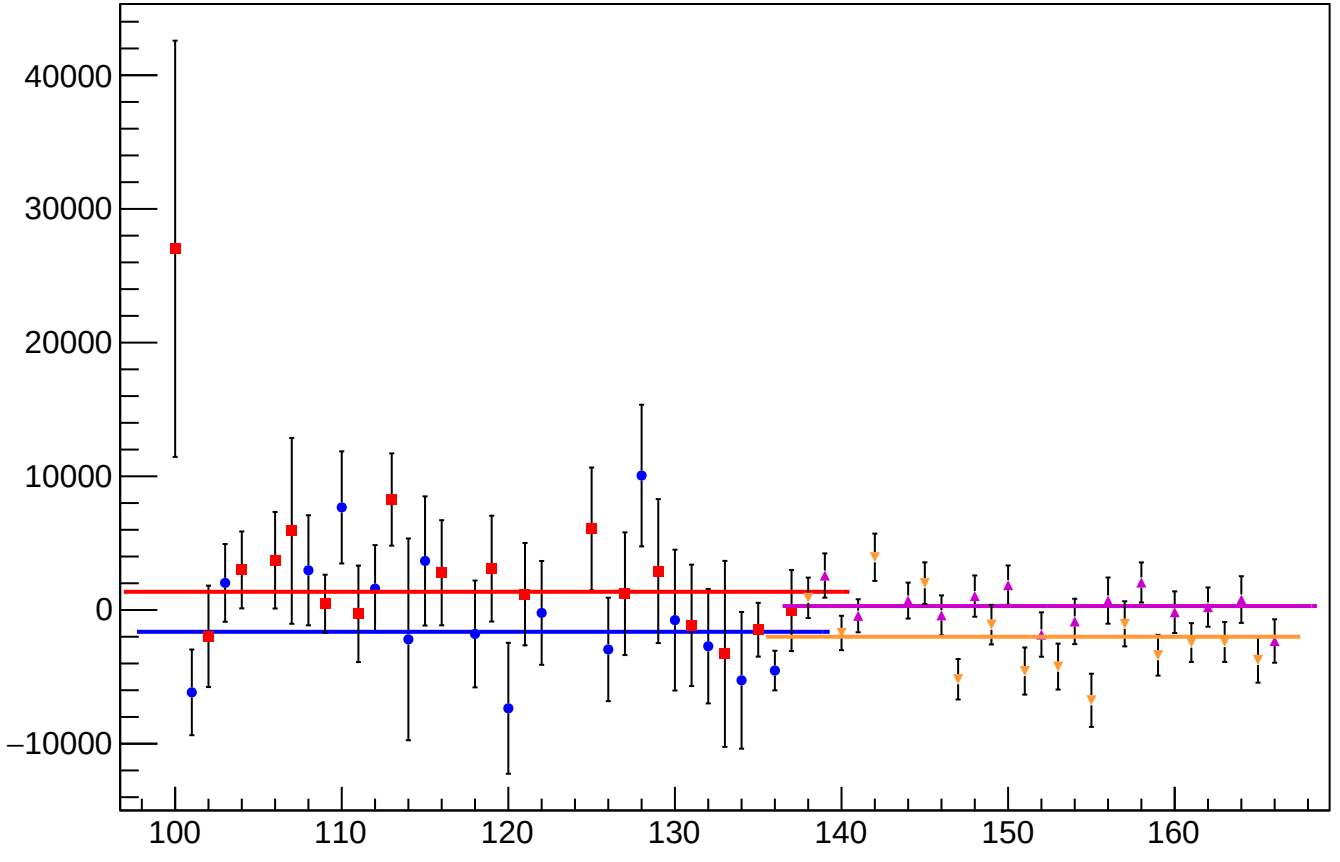
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2161.439+/-0.354 χ^2/NDF:229590.7/29

Out: 2136.924+/-0.356 χ^2/NDF:312117.4/31

All: 2149.254+/-0.251 χ^2/NDF: 544093.4/61

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1999.471+/-421.377 χ^2/NDF:38.3/13

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 295.378+/-408.856 χ^2/NDF:10.2/13

Left: -817.445+/-293.432 χ^2/NDF: 63.9/27

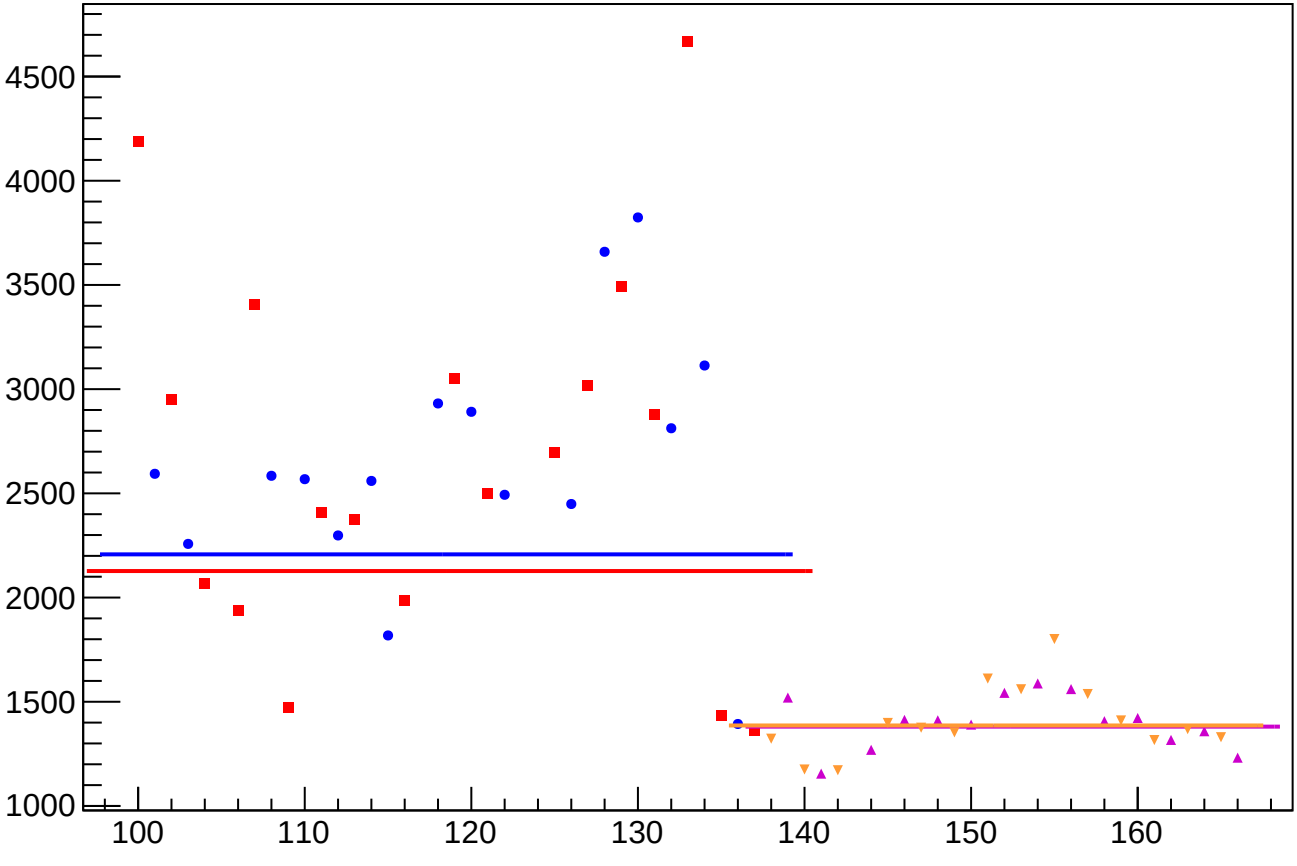
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -58.033+/-369.442 χ^2/NDF:37.2/29

Out: -1324.216+/-376.682 χ^2/NDF:64.6/31

All: -678.840+/-263.757 χ^2/NDF: 107.5/61

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1386.234+/-0.298 χ^2/NDF:252031.7/13

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1380.638+/-0.289 χ^2/NDF:190196.3/13

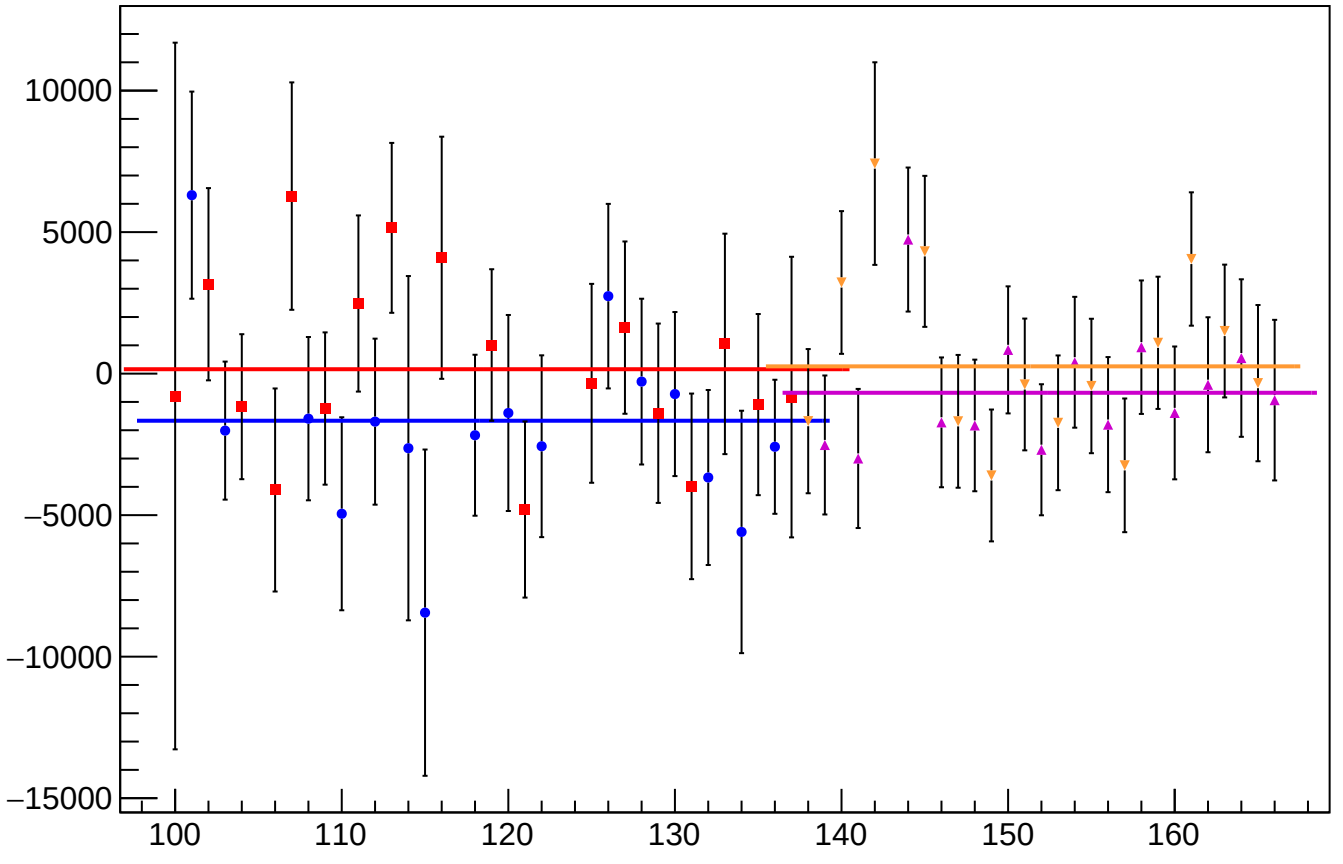
Left: 1383.352+/-0.207 χ^2/NDF: 442409.7/27

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1532.330+/-0.261 χ^2/NDF:2939679.5/29

Out: 1535.092+/-0.266 χ^2/NDF:2952506.0/31

All: 1533.684+/-0.187 χ^2/NDF: 5892240.3/61



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.914+/-660.840 χ^2/NDF:17.8/13

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -676.536+/-645.587 χ^2/NDF:8.9/13

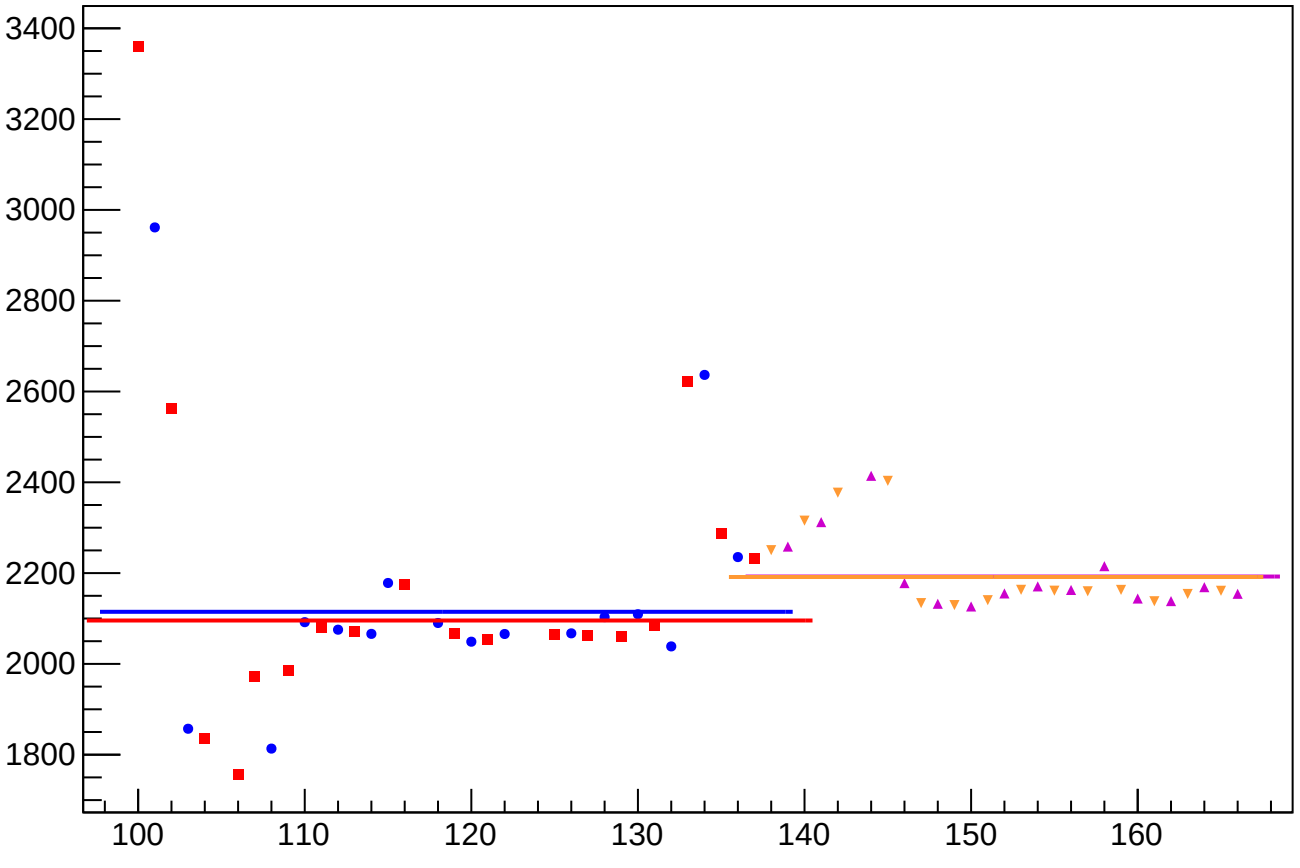
Left: -220.708+/-461.797 χ^2/NDF: 27.7/27

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1070.725+/-500.444 χ^2/NDF:20.6/29

Out: 214.996+/-505.680 χ^2/NDF:32.0/31

All: -434.555+/-355.704 χ^2/NDF: 55.9/61



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2192.445+/-0.456 χ^2/NDF:28110.9/13

Left: 2191.943+/-0.327 χ^2/NDF: 58636.5/27

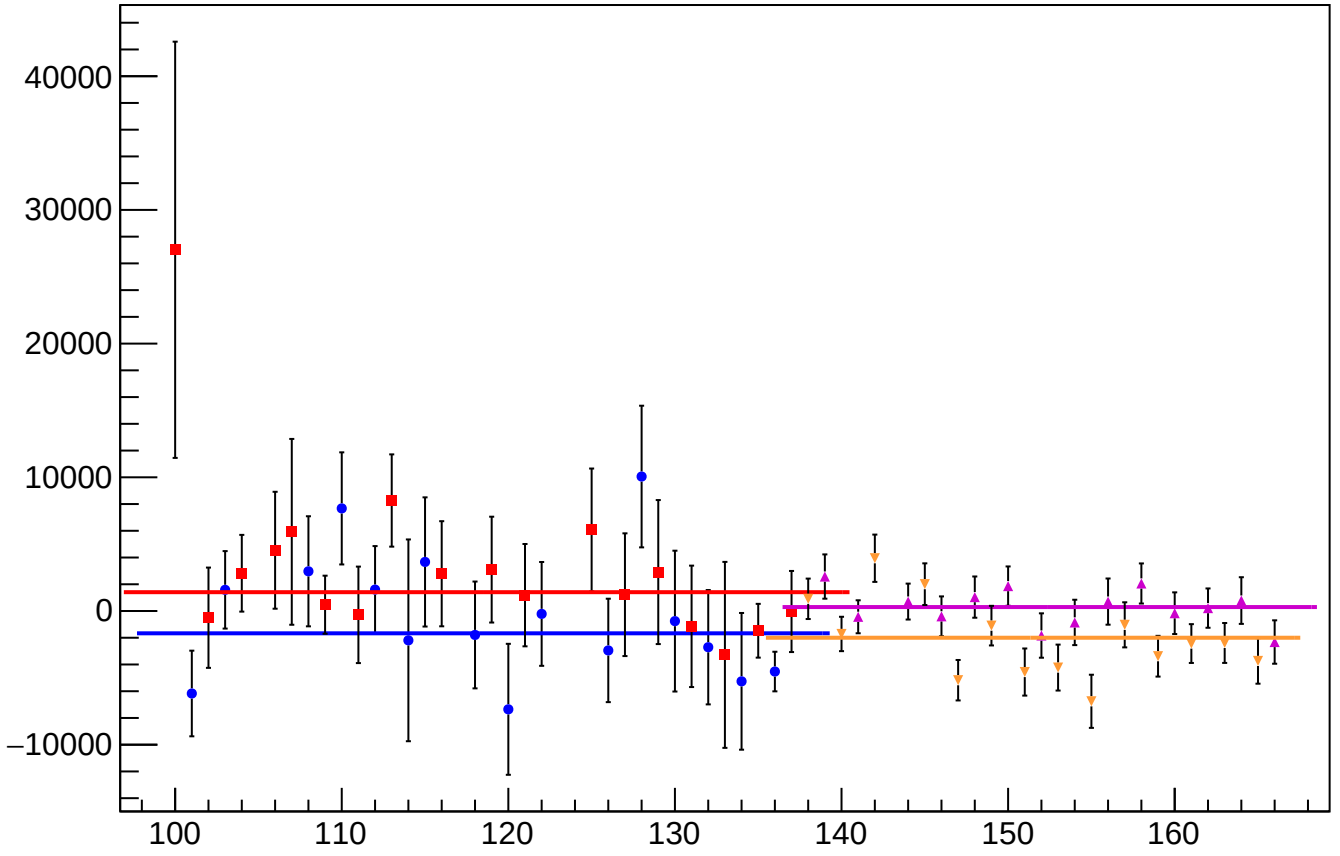
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.439+/-0.354 χ^2/NDF:229591.1/29

Out: 2151.704+/-0.358 χ^2/NDF:197311.2/31

All: 2156.622+/-0.252 χ^2/NDF: 427276.7/61

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1999.395+/-421.380 χ^2/NDF:38.3/13

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 295.243+/-408.856 χ^2/NDF:10.2/13

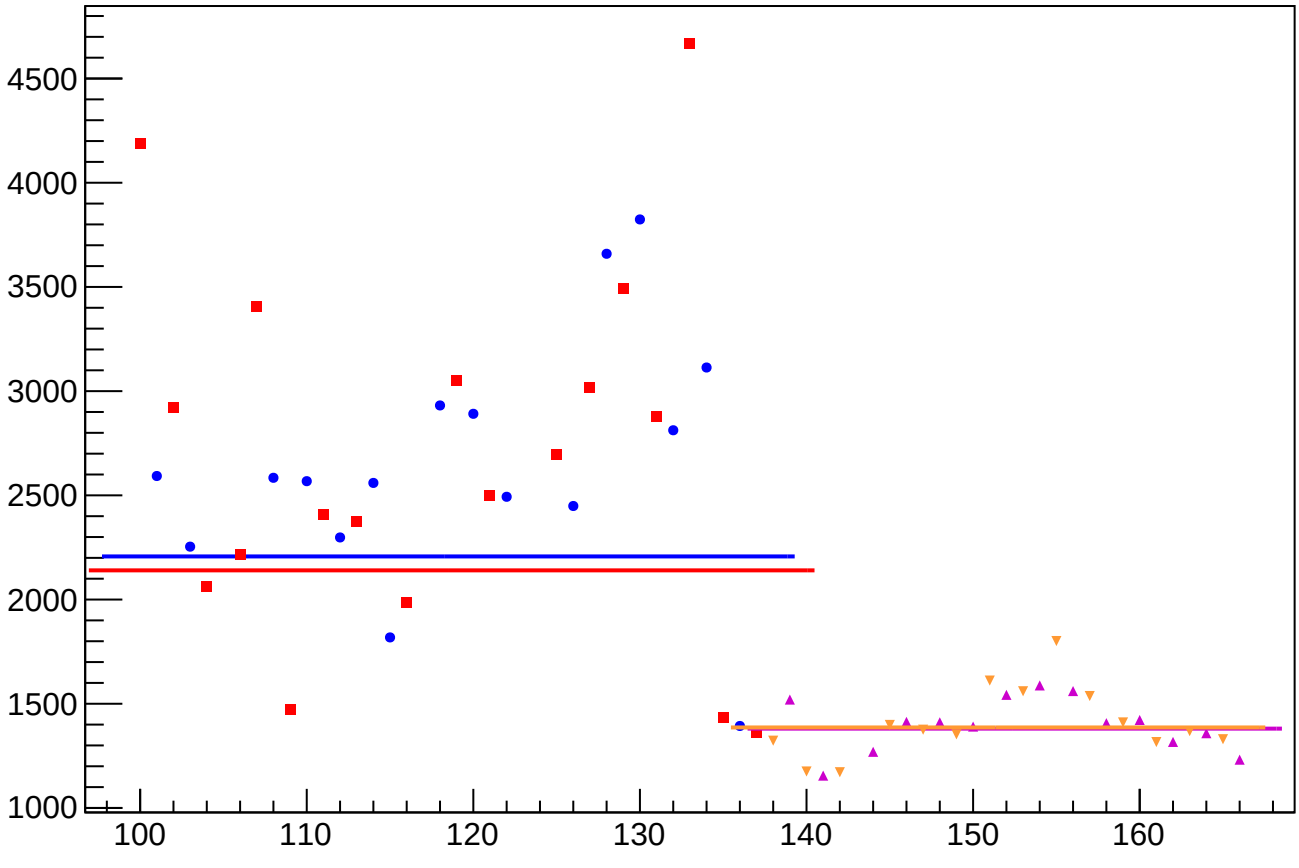
Left: -817.469+/-293.432 χ^2/NDF: 63.8/27

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -65.316+/-369.419 χ^2/NDF:37.0/29

Out: -1323.464+/-377.277 χ^2/NDF:64.3/31

All: -681.152+/-263.953 χ^2/NDF: 106.9/61



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1386.245+/-0.298 χ^2/NDF:251978.0/13

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1380.635+/-0.289 χ^2/NDF:190244.1/13

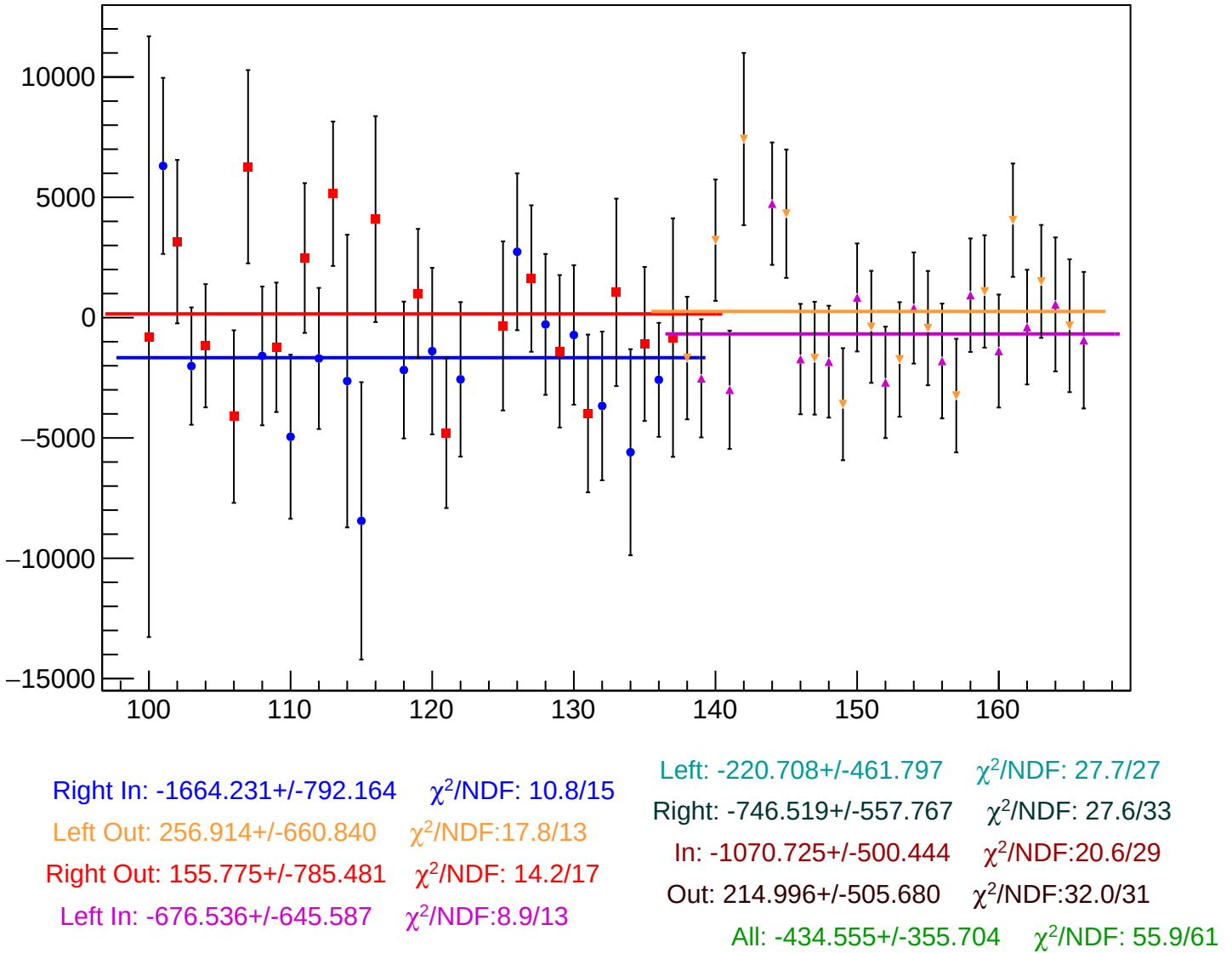
Left: 1383.355+/-0.207 χ^2/NDF: 442404.6/27

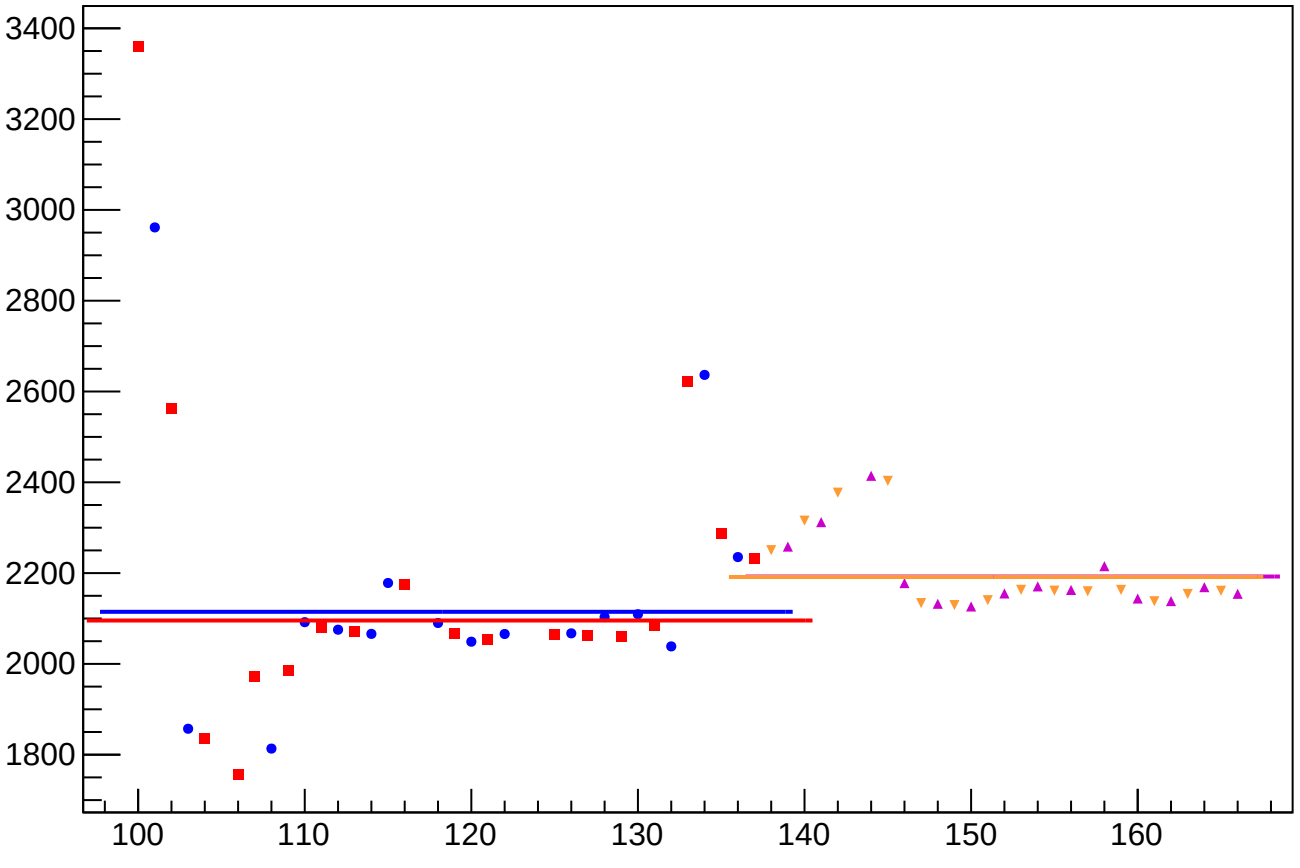
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1532.349+/-0.261 χ^2/NDF:2939102.9/29

Out: 1535.781+/-0.267 χ^2/NDF:2970027.1/31

All: 1534.029+/-0.187 χ^2/NDF: 5909214.4/61


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 256.914+/-660.840 χ²/NDF:17.8/13
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -676.536+/-645.587 χ²/NDF:8.9/13
Left: -220.708+/-461.797 χ²/NDF: 27.7/27
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1070.725+/-500.444 χ²/NDF:20.6/29
Out: 214.996+/-505.680 χ²/NDF:32.0/31
All: -434.555+/-355.704 χ²/NDF: 55.9/61



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2192.445+/-0.456 χ^2/NDF:28110.9/13

Left: 2191.943+/-0.327 χ^2/NDF: 58636.5/27

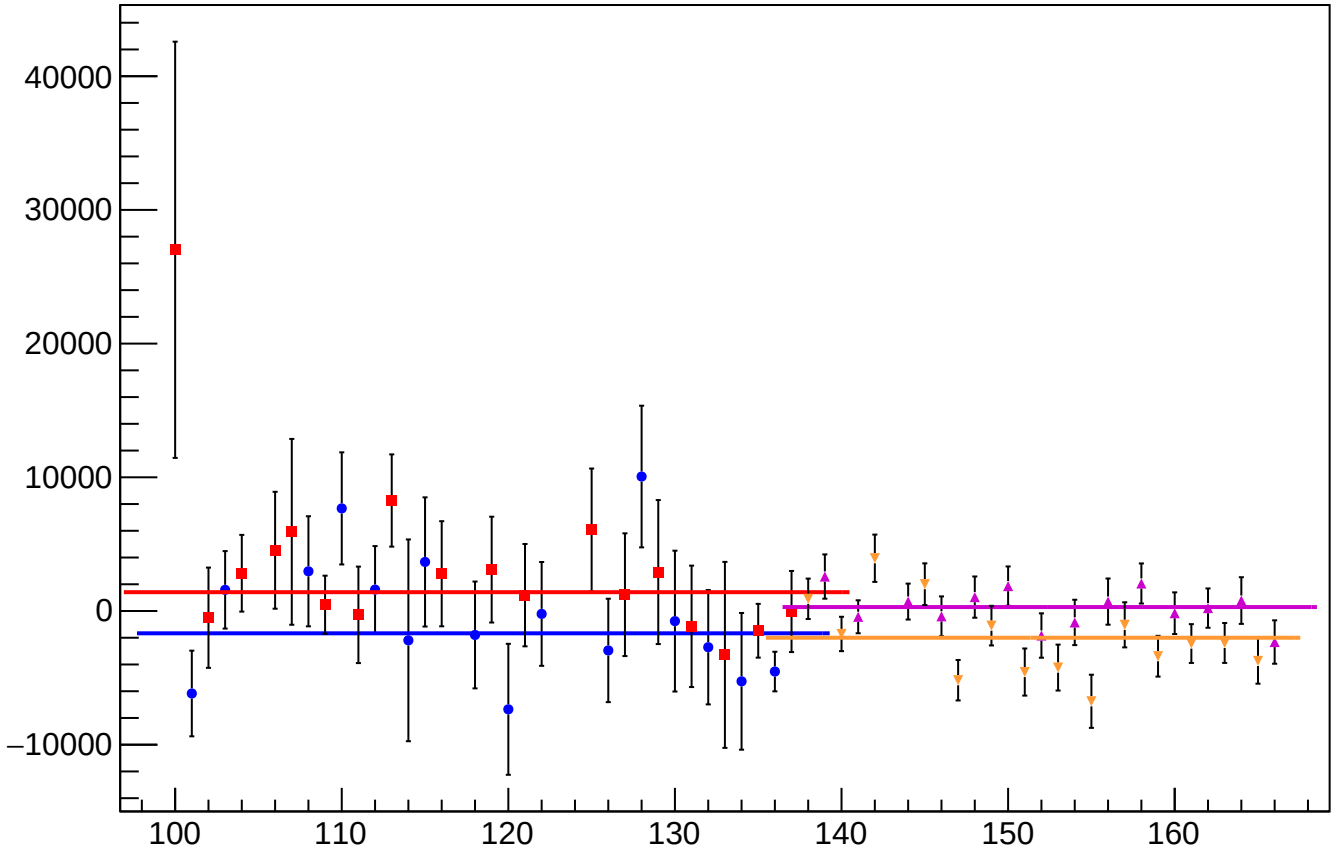
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.439+/-0.354 χ^2/NDF:229591.1/29

Out: 2151.704+/-0.358 χ^2/NDF:197311.2/31

All: 2156.622+/-0.252 χ^2/NDF: 427276.7/61

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1999.395+/-421.380 χ^2/NDF:38.3/13

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 295.243+/-408.856 χ^2/NDF:10.2/13

Left: -817.469+/-293.432 χ^2/NDF: 63.8/27

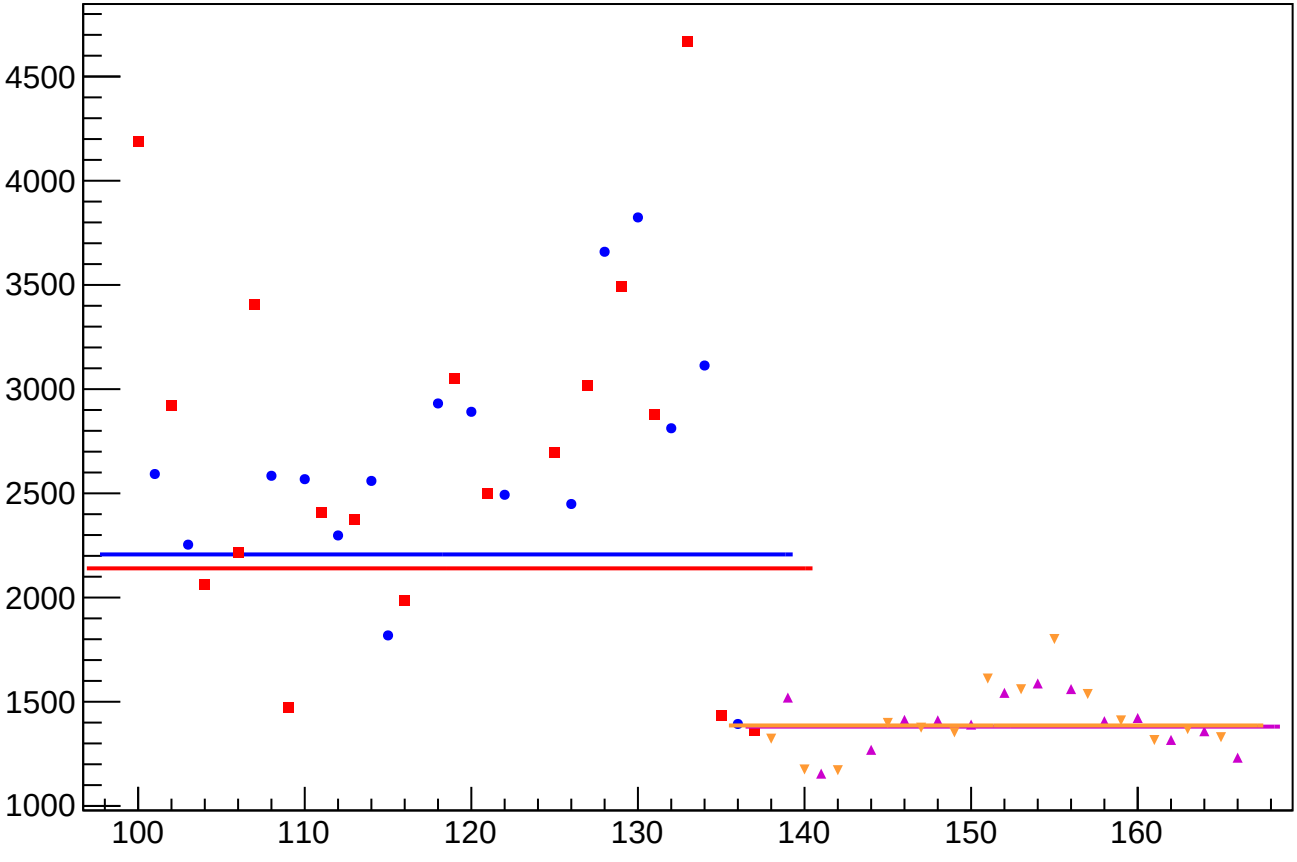
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -65.316+/-369.419 χ^2/NDF:37.0/29

Out: -1323.464+/-377.277 χ^2/NDF:64.3/31

All: -681.152+/-263.953 χ^2/NDF: 106.9/61

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1386.245+/-0.298 χ^2/NDF:251978.0/13

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1380.635+/-0.289 χ^2/NDF:190244.1/13

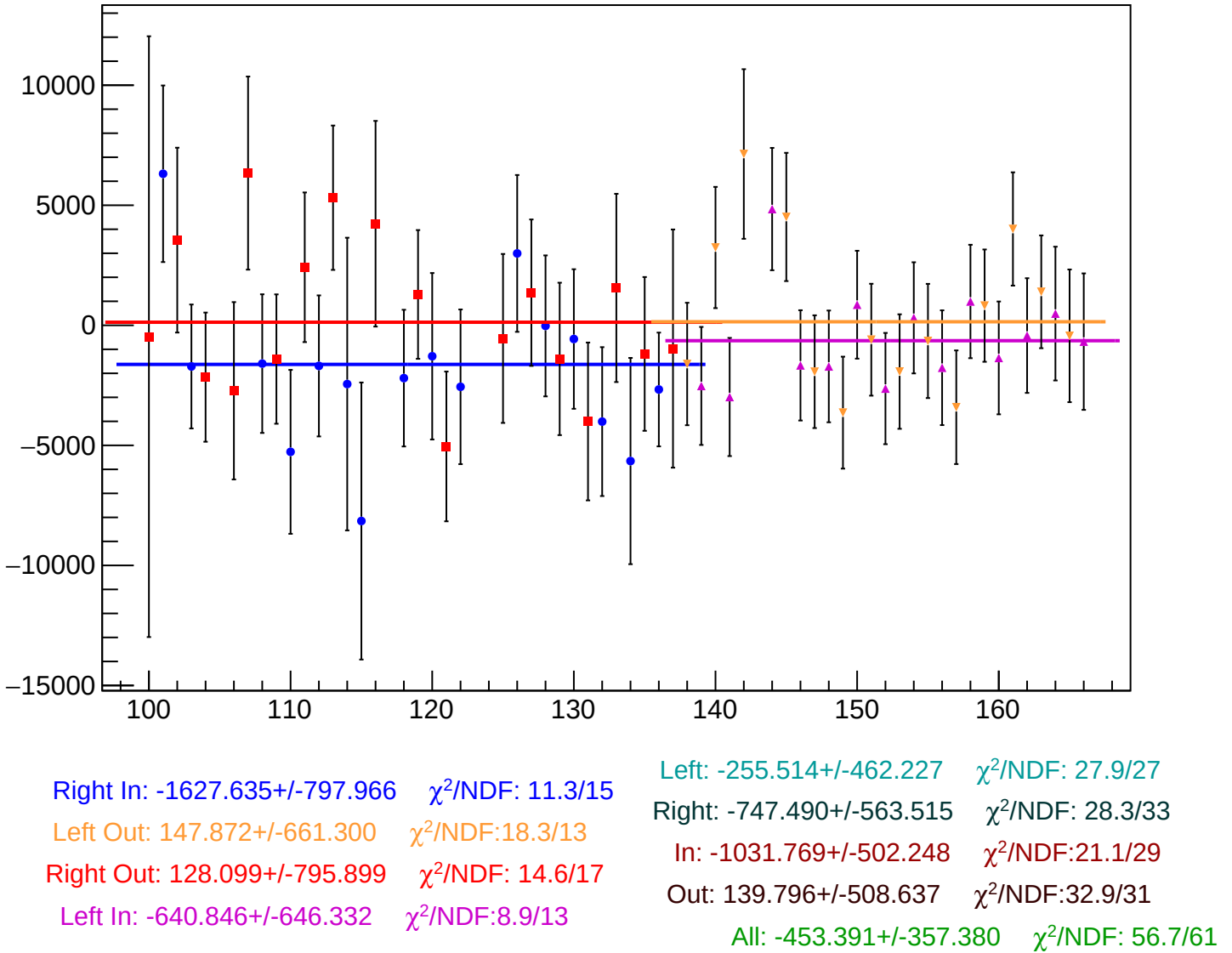
Left: 1383.355+/-0.207 χ^2/NDF: 442404.6/27

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1532.349+/-0.261 χ^2/NDF:2939102.9/29

Out: 1535.781+/-0.267 χ^2/NDF:2970027.1/31

All: 1534.029+/-0.187 χ^2/NDF: 5909214.4/61


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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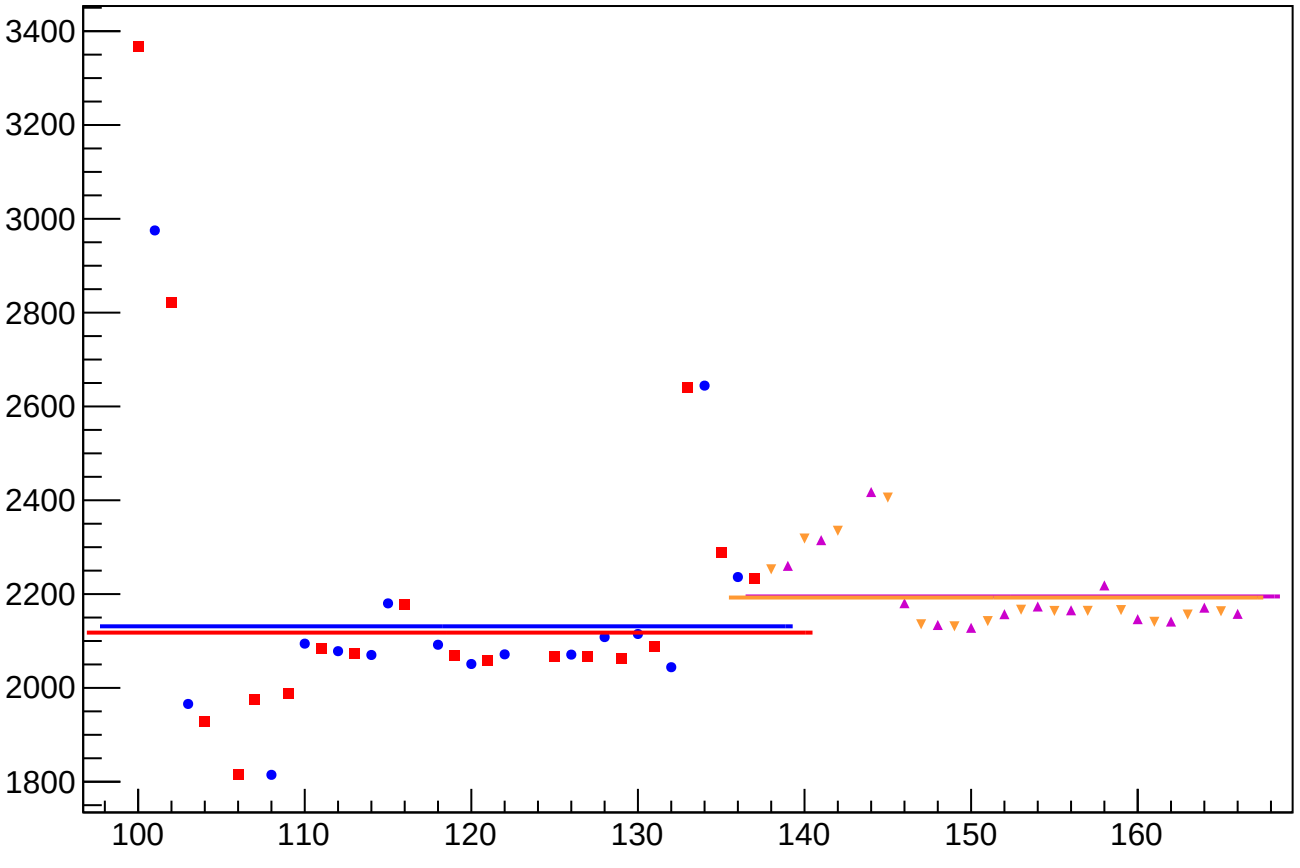
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: 147.872+/-661.300 χ²/NDF:18.3/13
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -640.846+/-646.332 χ²/NDF:8.9/13
Left: -255.514+/-462.227 χ²/NDF: 27.9/27
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1031.769+/-502.248 χ²/NDF:21.1/29
Out: 139.796+/-508.637 χ²/NDF:32.9/31
All: -453.391+/-357.380 χ²/NDF: 56.7/61



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2192.657+/-0.468 χ^2/NDF:28295.6/13

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2194.967+/-0.457 χ^2/NDF:28197.8/13

Left: 2193.839+/-0.327 χ^2/NDF: 56505.9/27

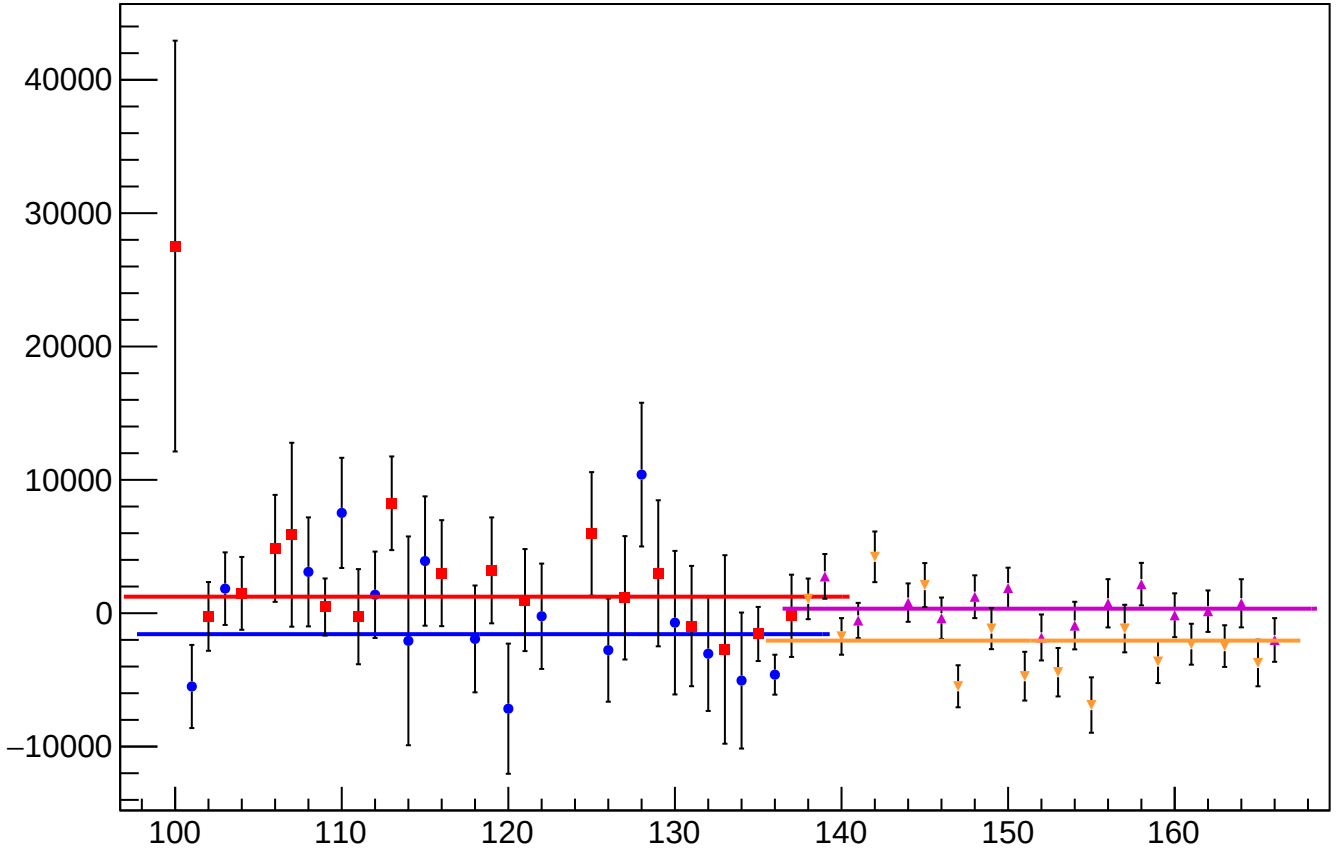
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2169.744+/-0.355 χ^2/NDF:211829.5/29

Out: 2162.112+/-0.360 χ^2/NDF:202366.0/31

All: 2165.976+/-0.253 χ^2/NDF: 414423.5/61

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -2054.745+/-441.880 χ^2/NDF:38.1/13

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 339.117+/-428.148 χ^2/NDF:9.8/13

Left: -820.039+/-307.486 χ^2/NDF: 63.1/27

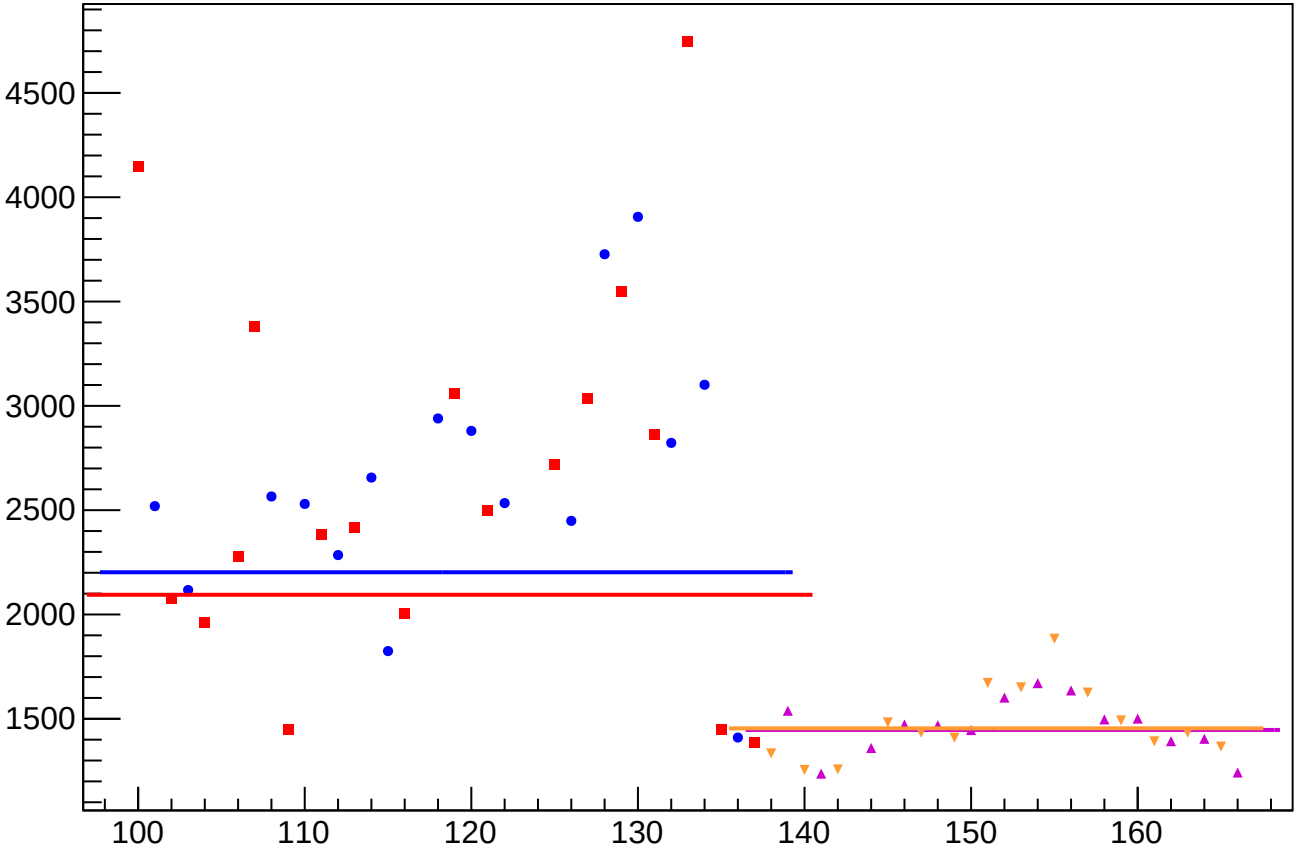
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -40.463+/-383.255 χ^2/NDF:36.4/29

Out: -1312.754+/-388.971 χ^2/NDF:63.7/31

All: -667.191+/-273.000 χ^2/NDF: 105.5/61

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1454.253+/-0.312 χ^2/NDF:243982.4/13

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1446.508+/-0.303 χ^2/NDF:172891.9/13

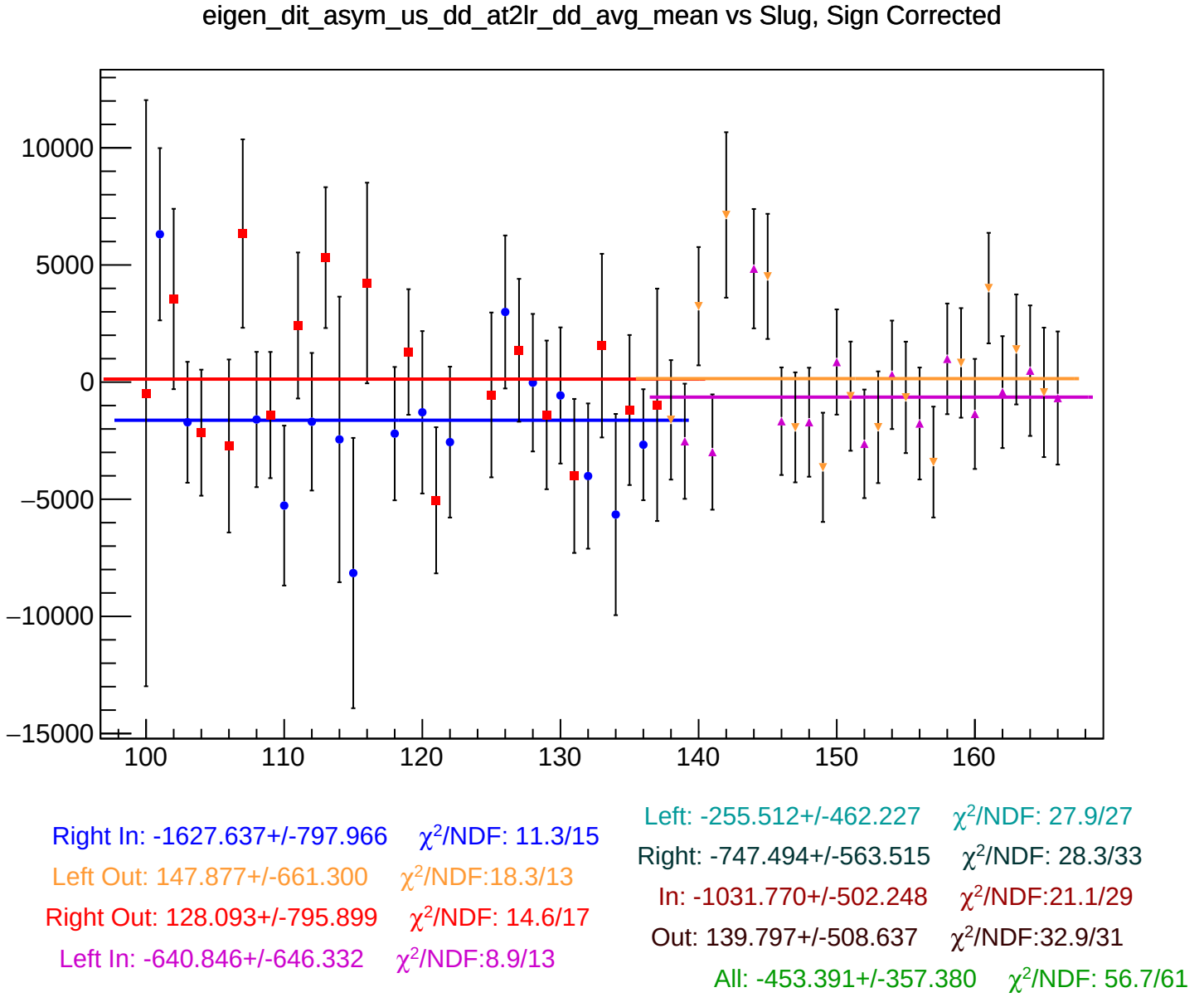
Left: 1450.258+/-0.217 χ^2/NDF: 417191.2/27

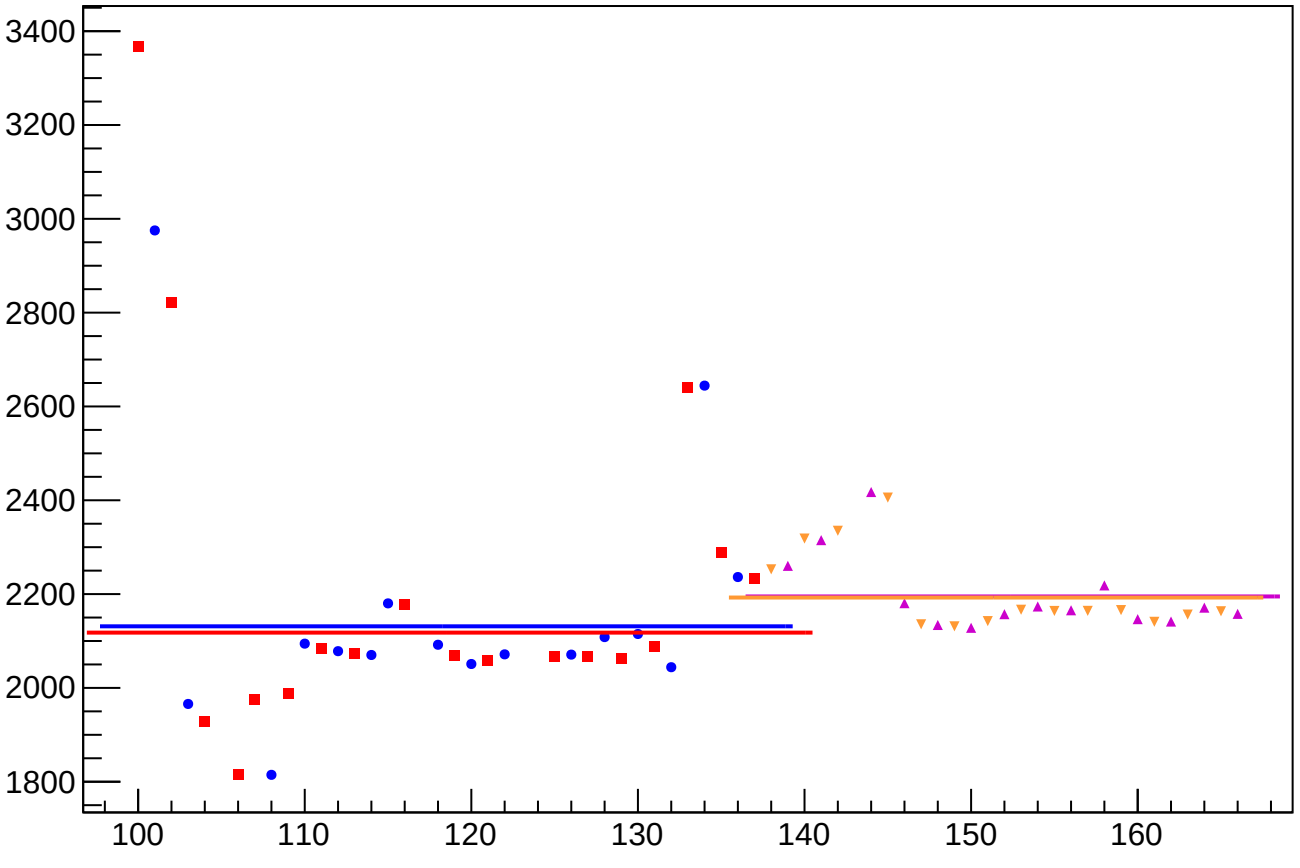
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1596.709+/-0.271 χ^2/NDF:2634554.0/29

Out: 1598.383+/-0.275 χ^2/NDF:2562779.4/31

All: 1597.534+/-0.193 χ^2/NDF: 5197352.2/61


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 147.877+/-661.300 χ²/NDF:18.3/13
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -640.846+/-646.332 χ²/NDF:8.9/13
Left: -255.512+/-462.227 χ²/NDF: 27.9/27
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1031.770+/-502.248 χ²/NDF:21.1/29
Out: 139.797+/-508.637 χ²/NDF:32.9/31
All: -453.391+/-357.380 χ²/NDF: 56.7/61



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2192.657+/-0.468 χ^2/NDF:28295.7/13

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2194.967+/-0.457 χ^2/NDF:28197.8/13

Left: 2193.839+/-0.327 χ^2/NDF: 56506.1/27

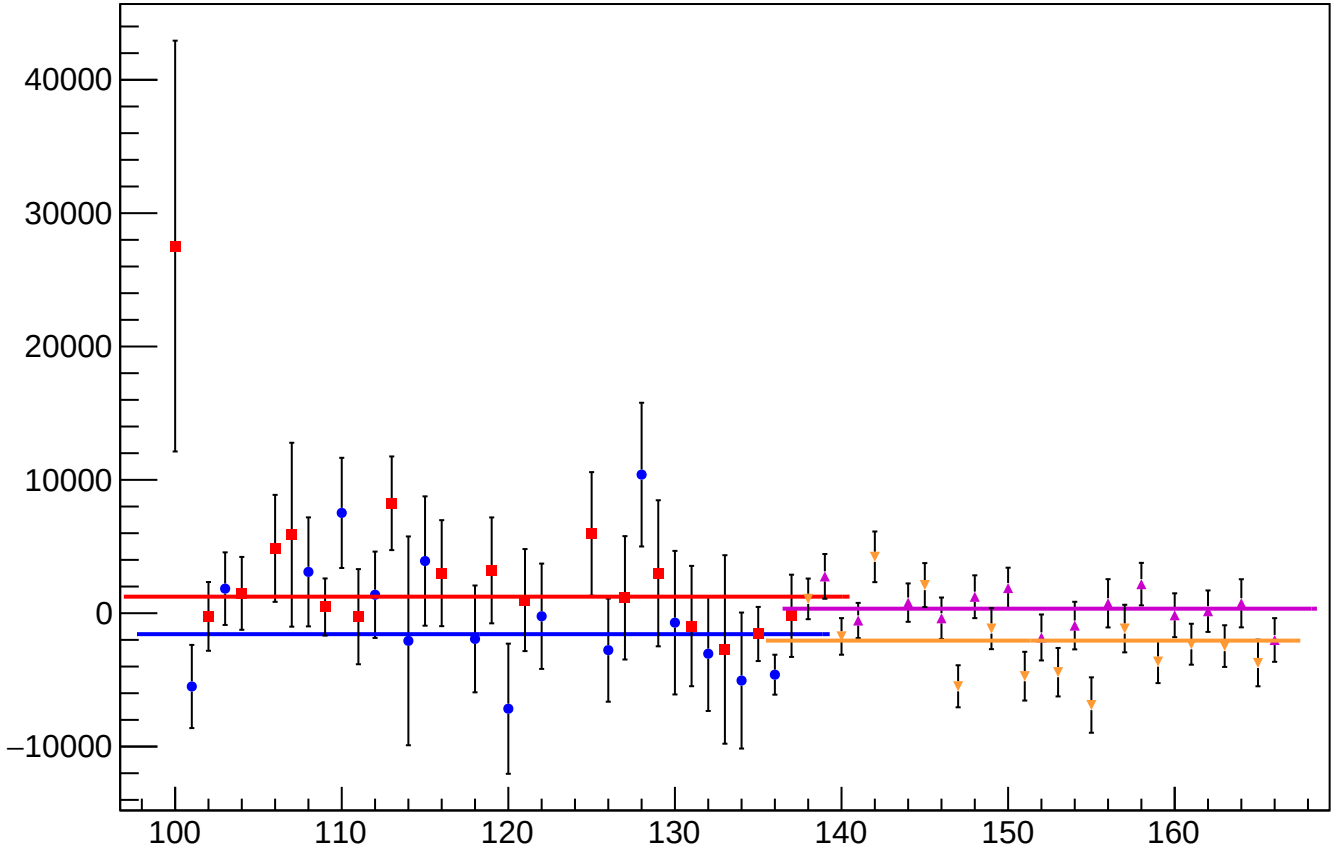
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2169.744+/-0.355 χ^2/NDF:211829.6/29

Out: 2162.112+/-0.360 χ^2/NDF:202366.0/31

All: 2165.976+/-0.253 χ^2/NDF: 414423.6/61

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -2054.754+/-441.880 χ^2/NDF:38.1/13

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 339.114+/-428.148 χ^2/NDF:9.8/13

Left: -820.044+/-307.486 χ^2/NDF: 63.1/27

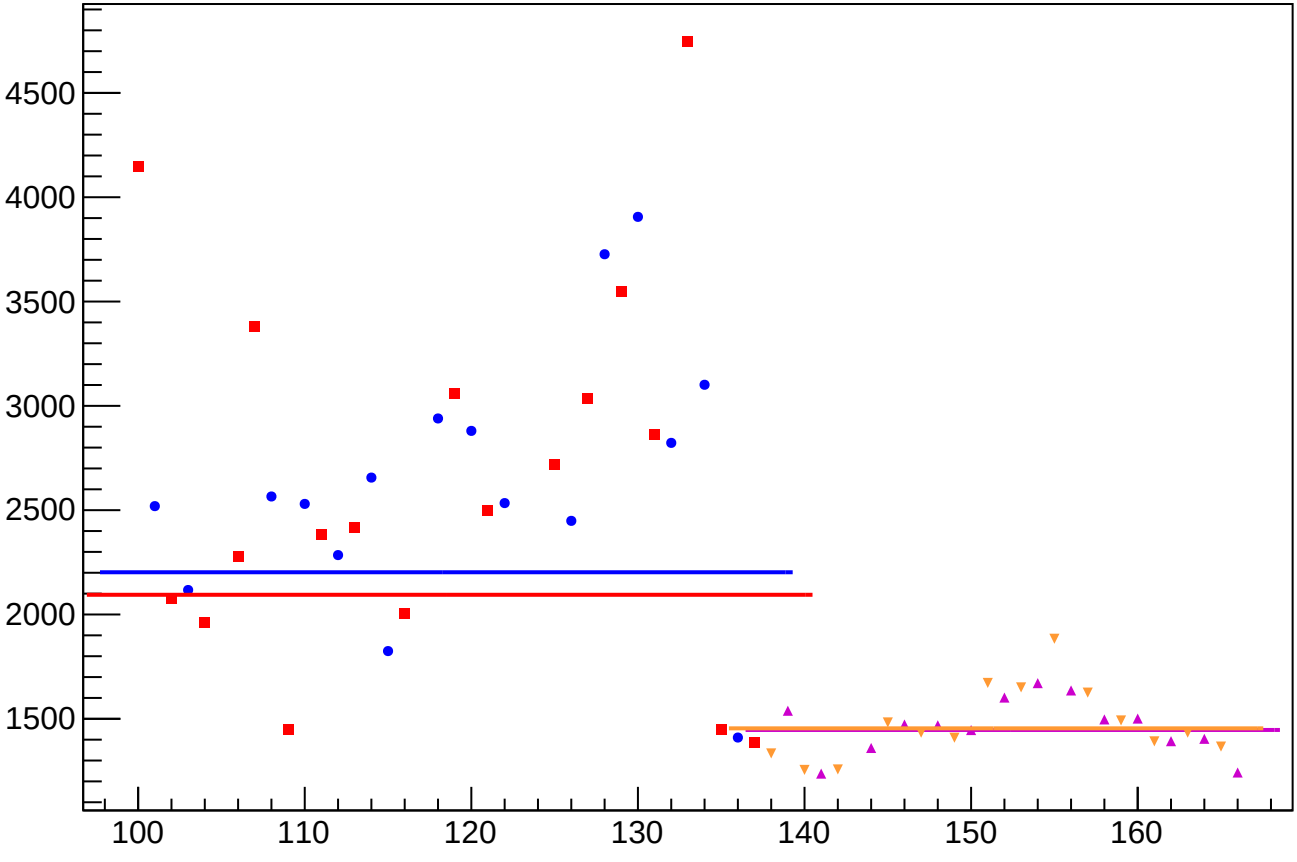
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -40.461+/-383.255 χ^2/NDF:36.4/29

Out: -1312.760+/-388.971 χ^2/NDF:63.7/31

All: -667.192+/-273.001 χ^2/NDF: 105.5/61

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1454.255+/-0.312 χ^2/NDF:243973.8/13

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1446.507+/-0.303 χ^2/NDF:172895.4/13

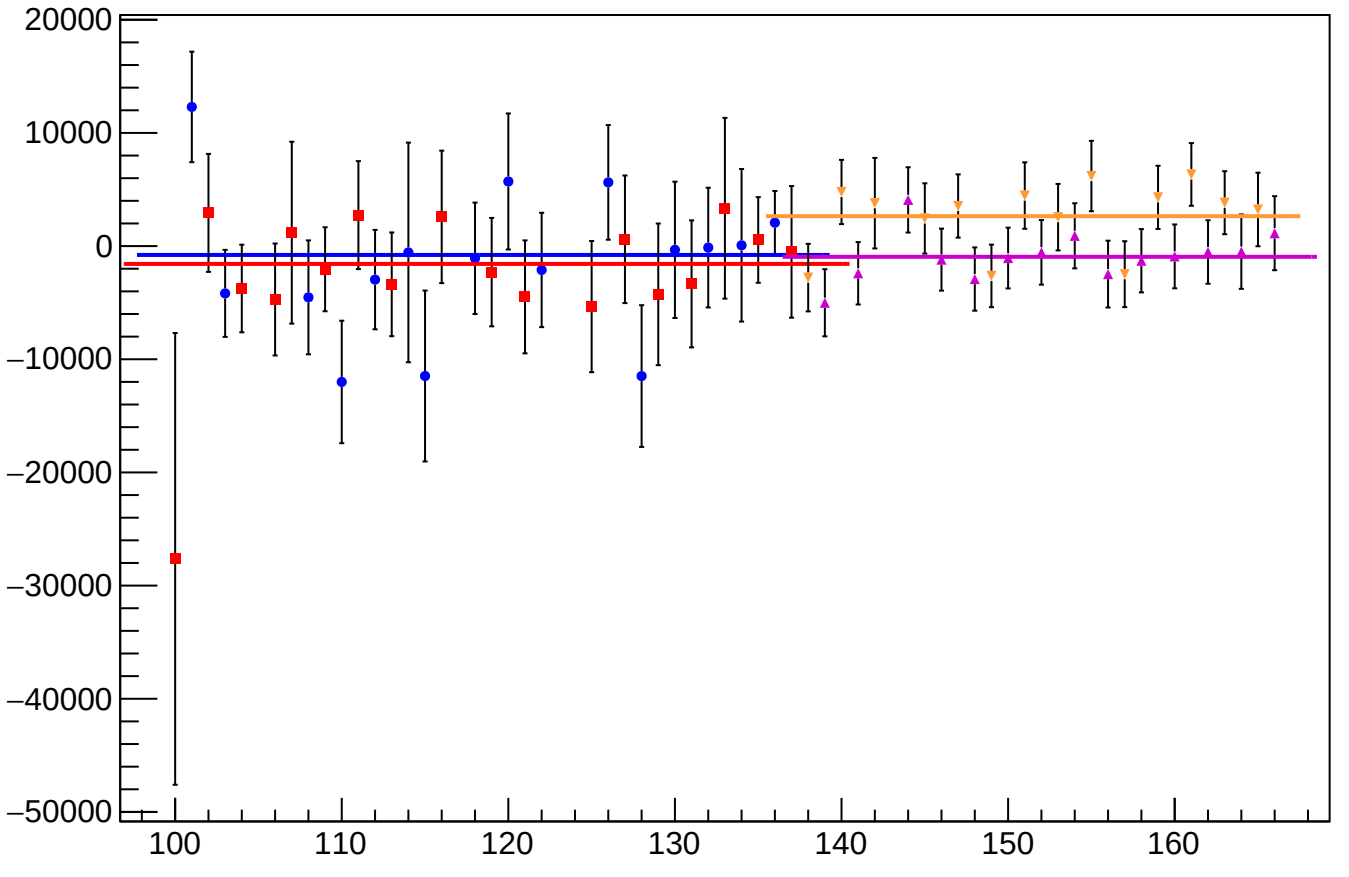
Left: 1450.259+/-0.217 χ^2/NDF: 417186.3/27

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1596.711+/-0.271 χ^2/NDF:2634531.9/29

Out: 1598.387+/-0.275 χ^2/NDF:2562747.4/31

All: 1597.536+/-0.193 χ^2/NDF: 5197298.2/61



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2643.238+/-791.218 χ^2/NDF:14.8/13

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -946.533+/-769.224 χ^2/NDF:6.9/13

Left: 797.767+/-551.535 χ^2/NDF: 32.3/27

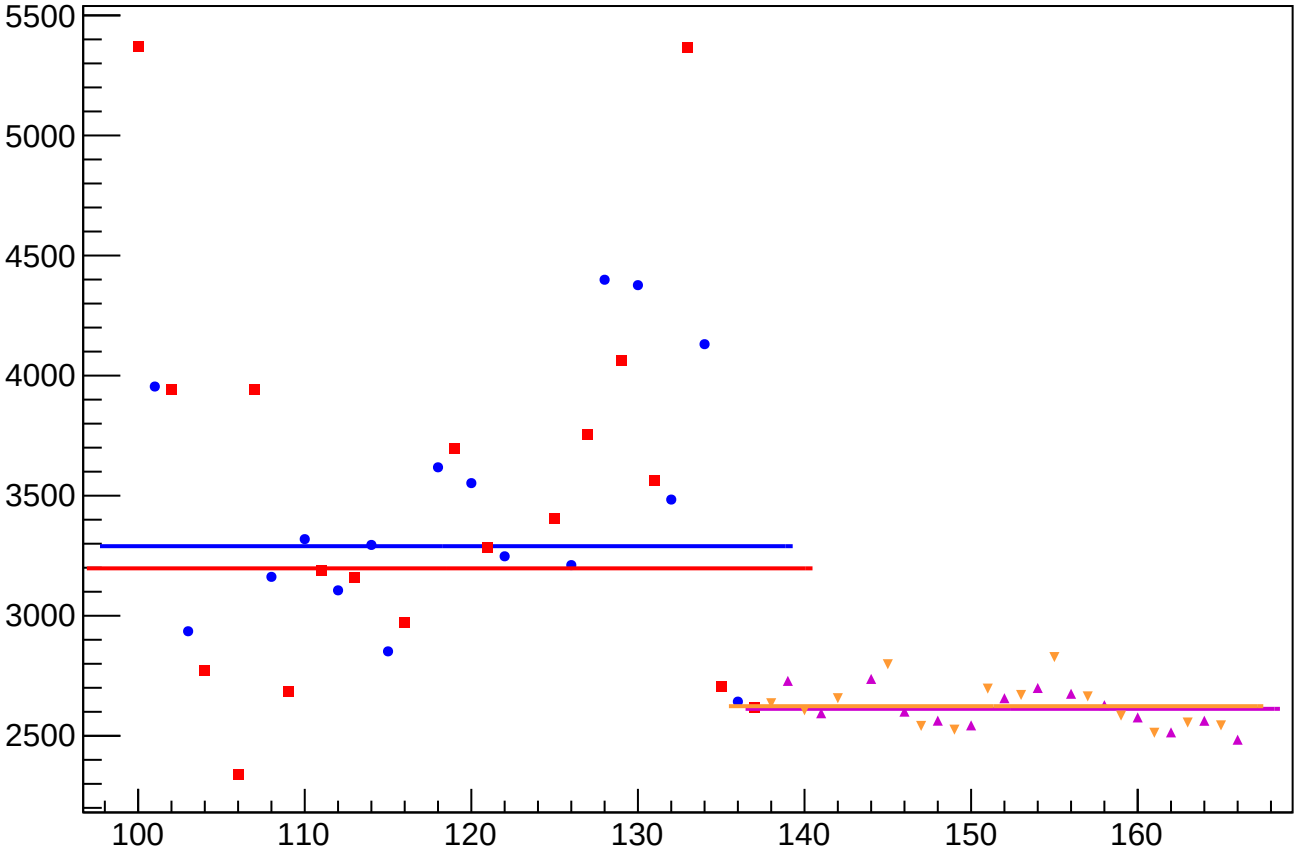
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -900.797+/-653.916 χ^2/NDF:28.8/29

Out: 1392.927+/-663.667 χ^2/NDF:30.0/31

All: 229.092+/-465.797 χ^2/NDF: 64.8/61

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2623.452+/-0.559 χ^2/NDF:27582.5/13

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2612.402+/-0.544 χ^2/NDF:18440.9/13

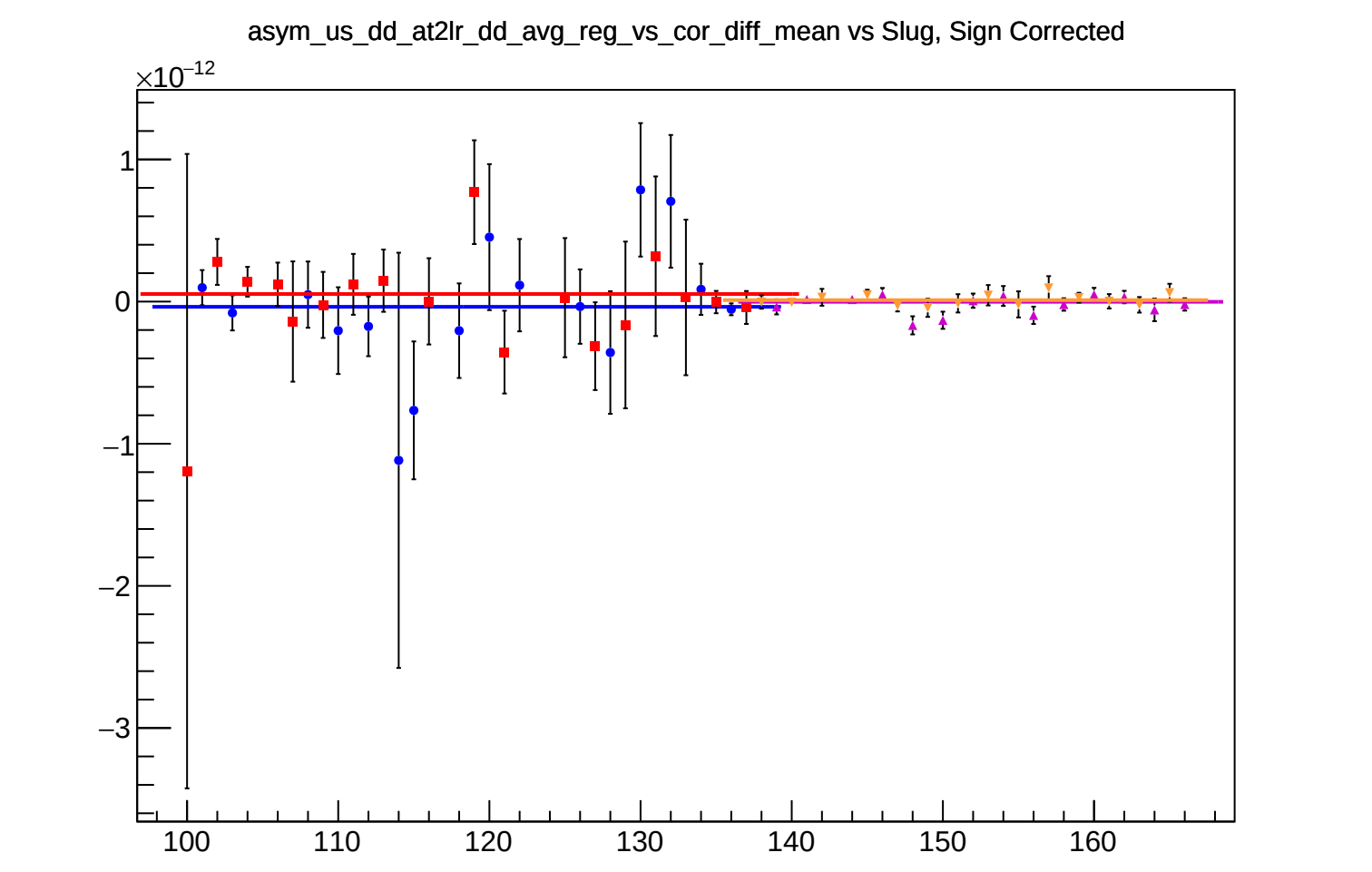
Left: 2617.771+/-0.390 χ^2/NDF: 46223.9/27

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2800.237+/-0.462 χ^2/NDF:796040.2/29

Out: 2793.583+/-0.469 χ^2/NDF:839460.0/31

All: 2796.959+/-0.329 χ^2/NDF: 1635602.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.4/13

Left: 0.000+/-0.000 χ^2/NDF: 25.6/27

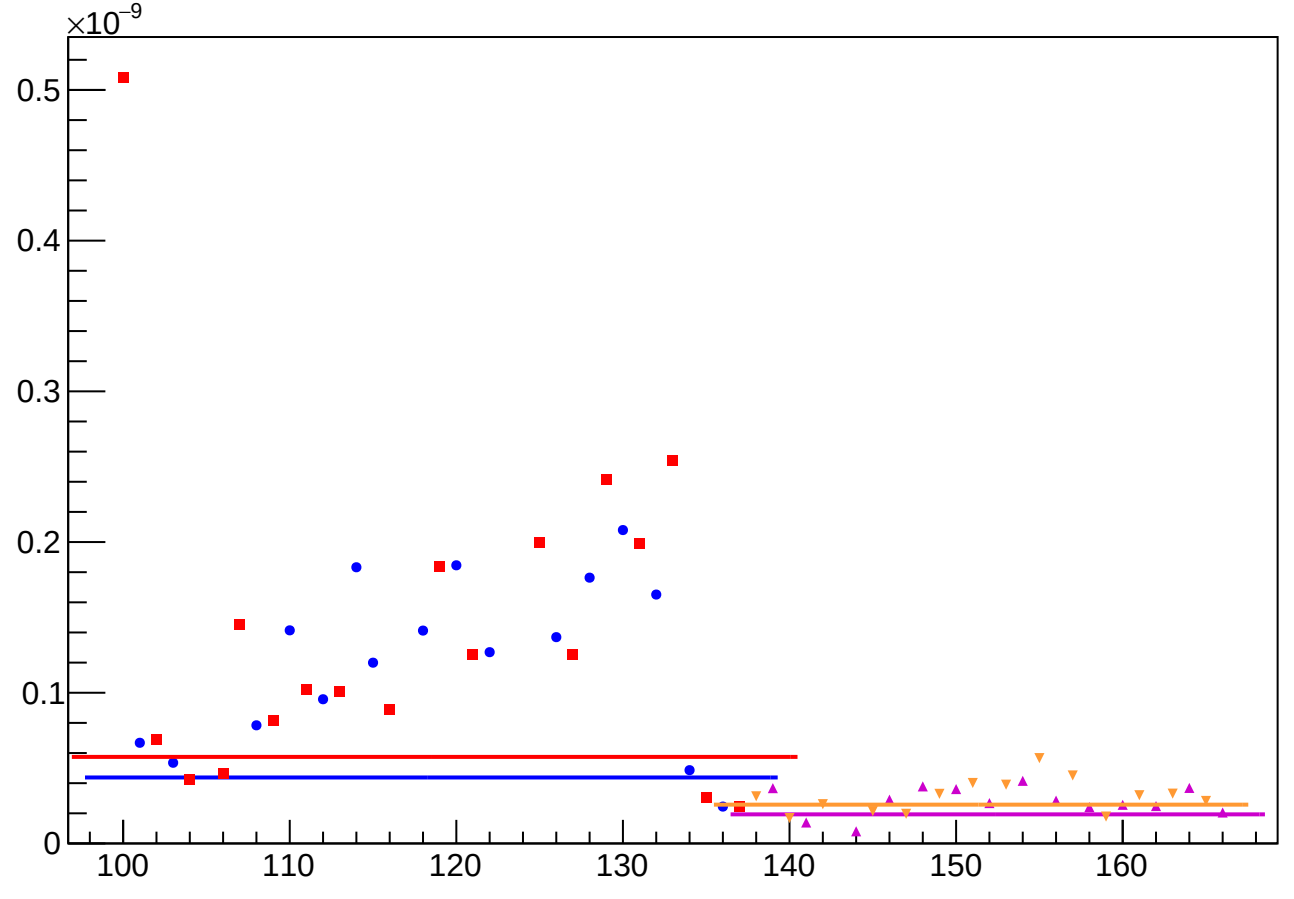
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:33.5/29

Out: 0.000+/-0.000 χ^2/NDF:19.2/31

All: 0.000+/-0.000 χ^2/NDF: 54.0/61

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:960312.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1954179.9/13

Left: 0.000+/-0.000 χ^2/NDF: 3203095.6/27

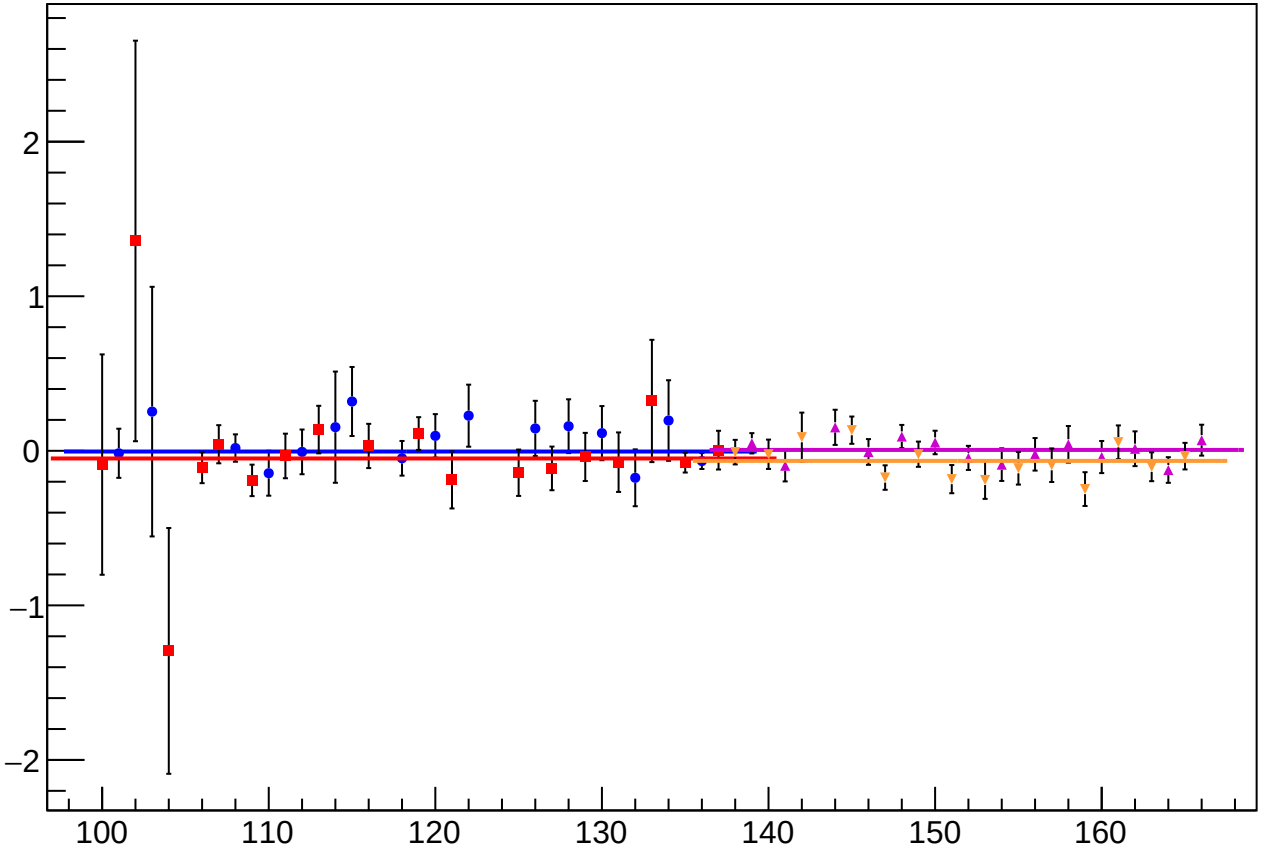
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5105518.5/29

Out: 0.000+/-0.000 χ^2/NDF:4025986.9/31

All: 0.000+/-0.000 χ^2/NDF: 9493887.0/61

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.027+/-0.018 χ^2/NDF: 29.5/27

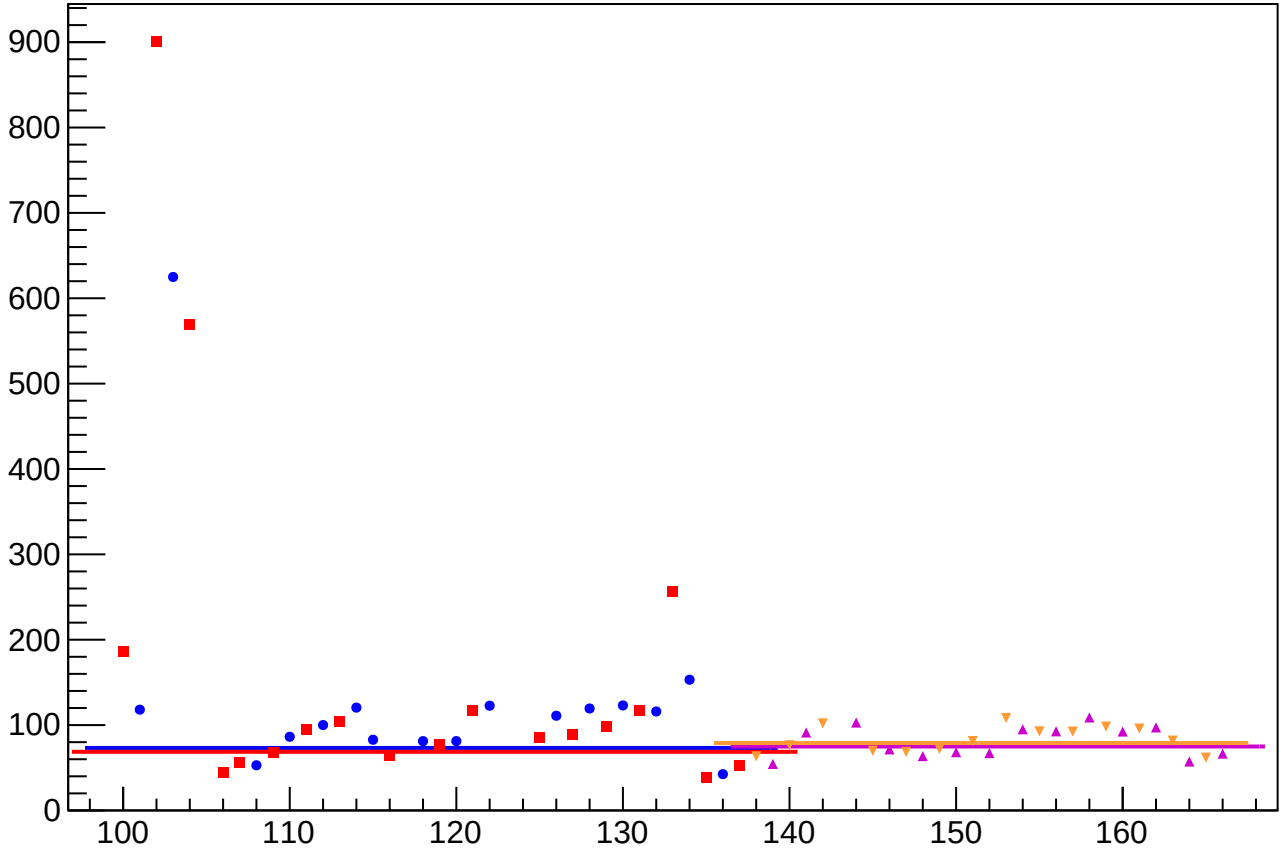
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.027+/-0.014 χ^2/NDF: 53.9/61

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 78.946+/-0.018 χ^2/NDF:561819.2/13

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.913+/-0.017 χ^2/NDF:985629.0/13

Left: 76.801+/-0.012 χ^2/NDF: 1573852.5/27

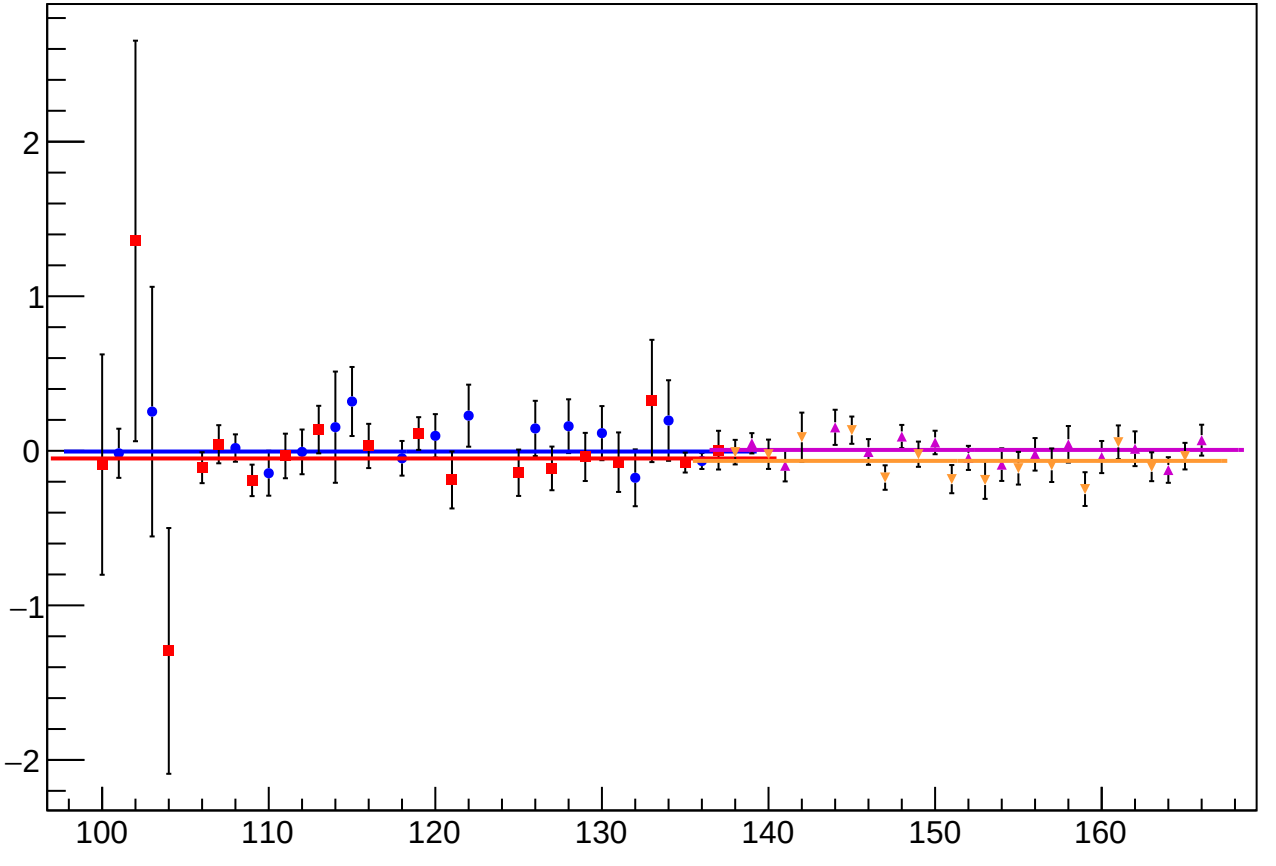
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.314+/-0.014 χ^2/NDF:3843720.6/29

Out: 74.906+/-0.014 χ^2/NDF:4019651.0/31

All: 74.600+/-0.010 χ^2/NDF: 7864285.2/61

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.027+/-0.018 χ^2/NDF: 29.5/27

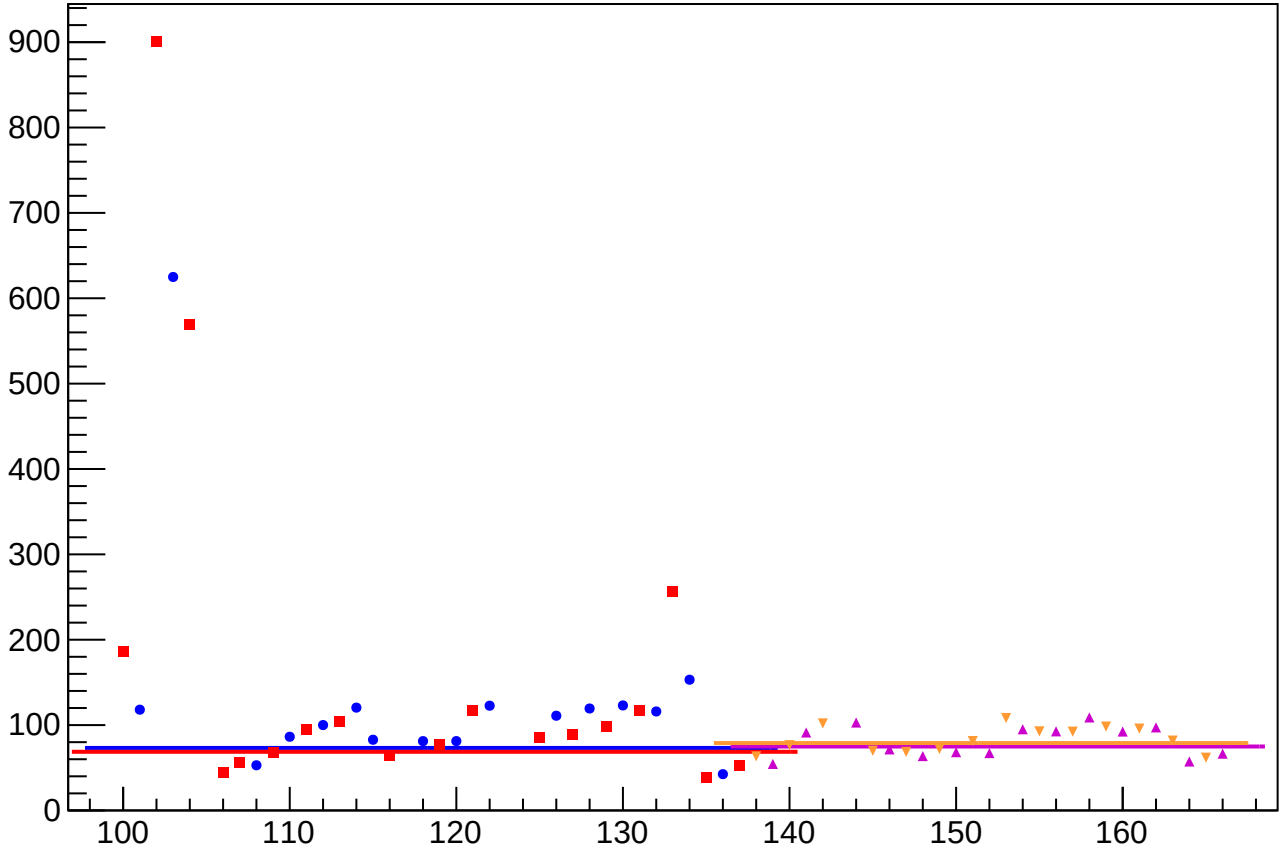
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.027+/-0.014 χ^2/NDF: 53.9/61

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 78.946+/-0.018 χ^2/NDF:561819.2/13

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.913+/-0.017 χ^2/NDF:985629.0/13

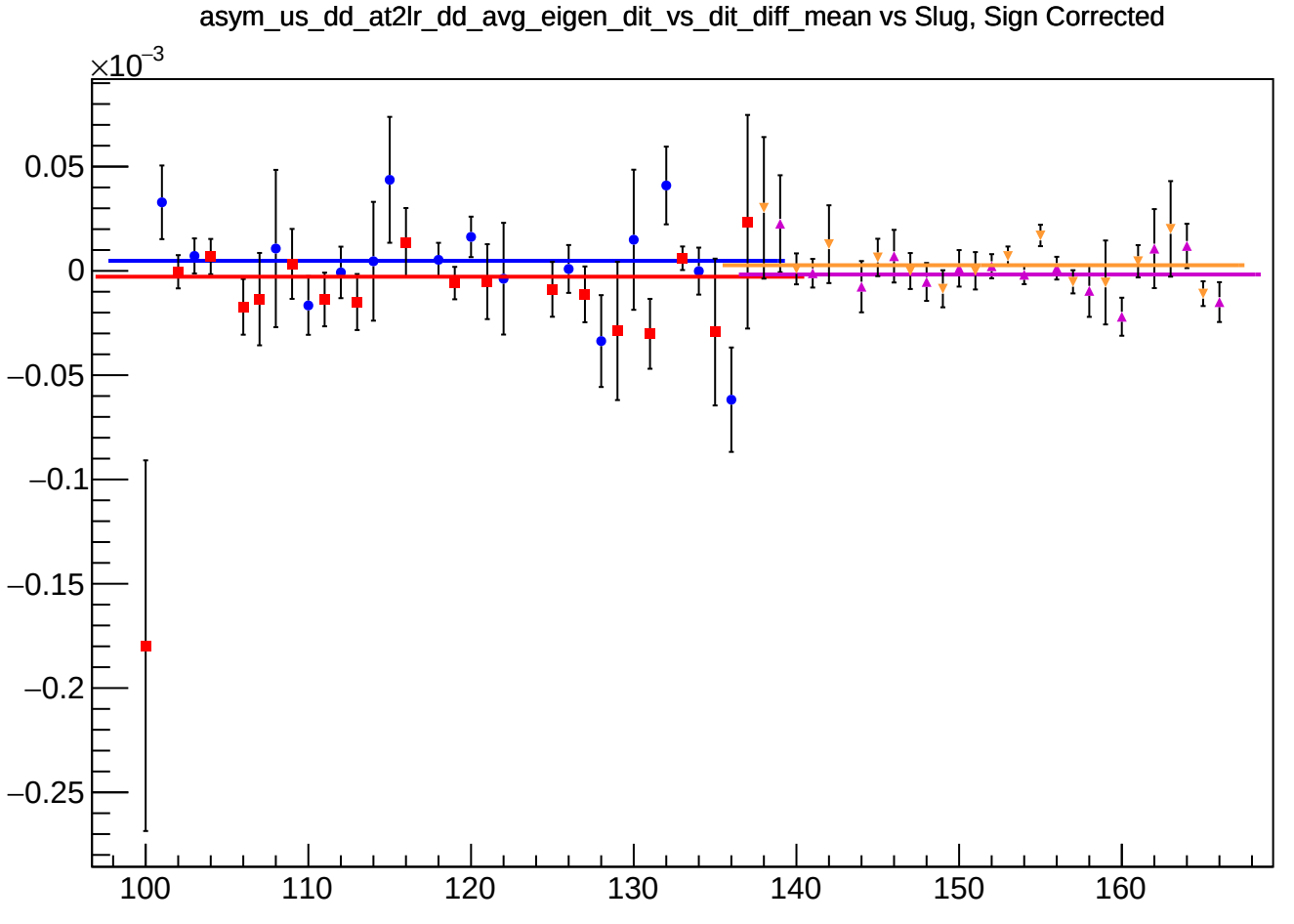
Left: 76.801+/-0.012 χ^2/NDF: 1573852.5/27

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.314+/-0.014 χ^2/NDF:3843720.6/29

Out: 74.906+/-0.014 χ^2/NDF:4019651.0/31

All: 74.600+/-0.010 χ^2/NDF: 7864285.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/13

Left: 0.000+/-0.000 χ^2/NDF: 34.2/27

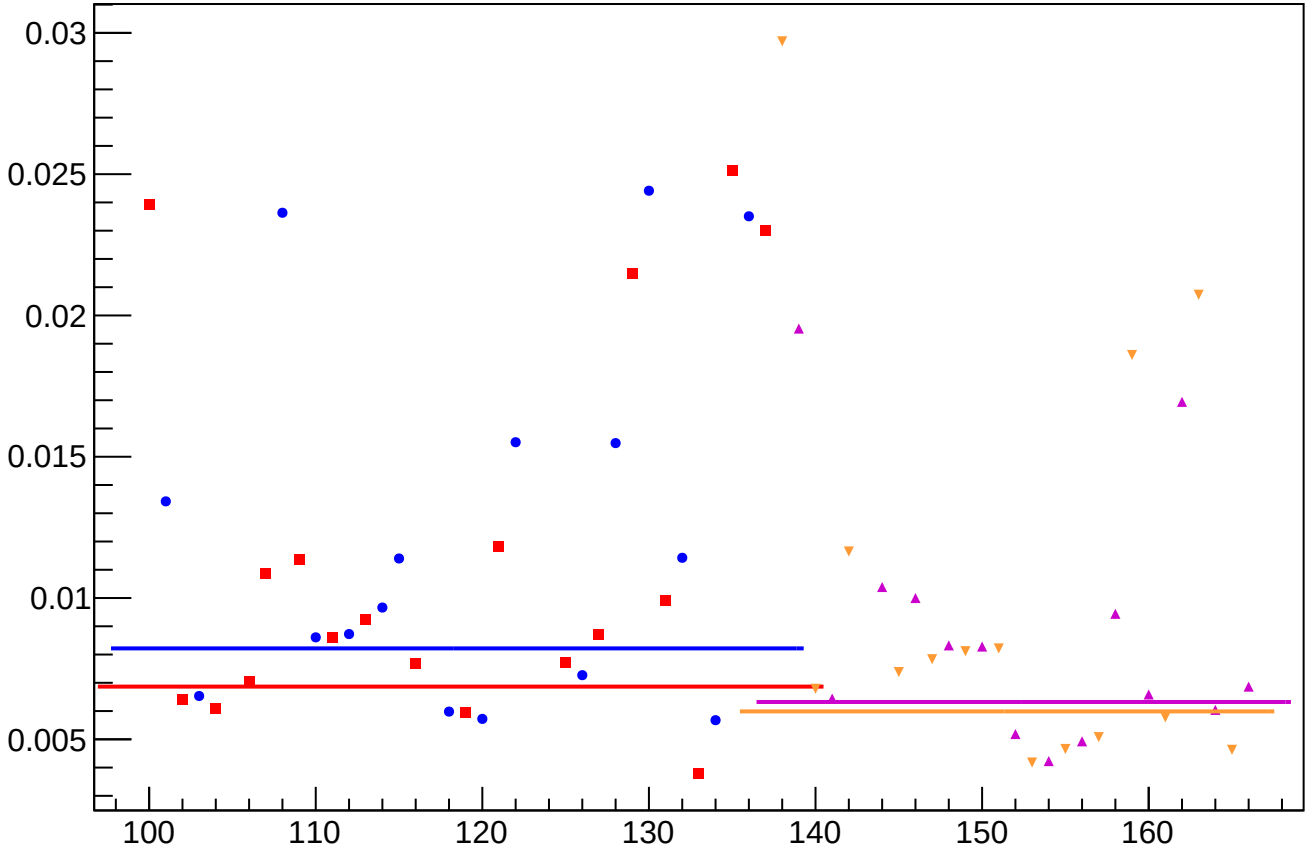
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:37.3/29

Out: 0.000+/-0.000 χ^2/NDF:39.0/31

All: 0.000+/-0.000 χ^2/NDF: 76.4/61

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:3781571.9/13

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2634625.1/13

Left: 0.006+/-0.000 χ^2/NDF: 6441420.1/27

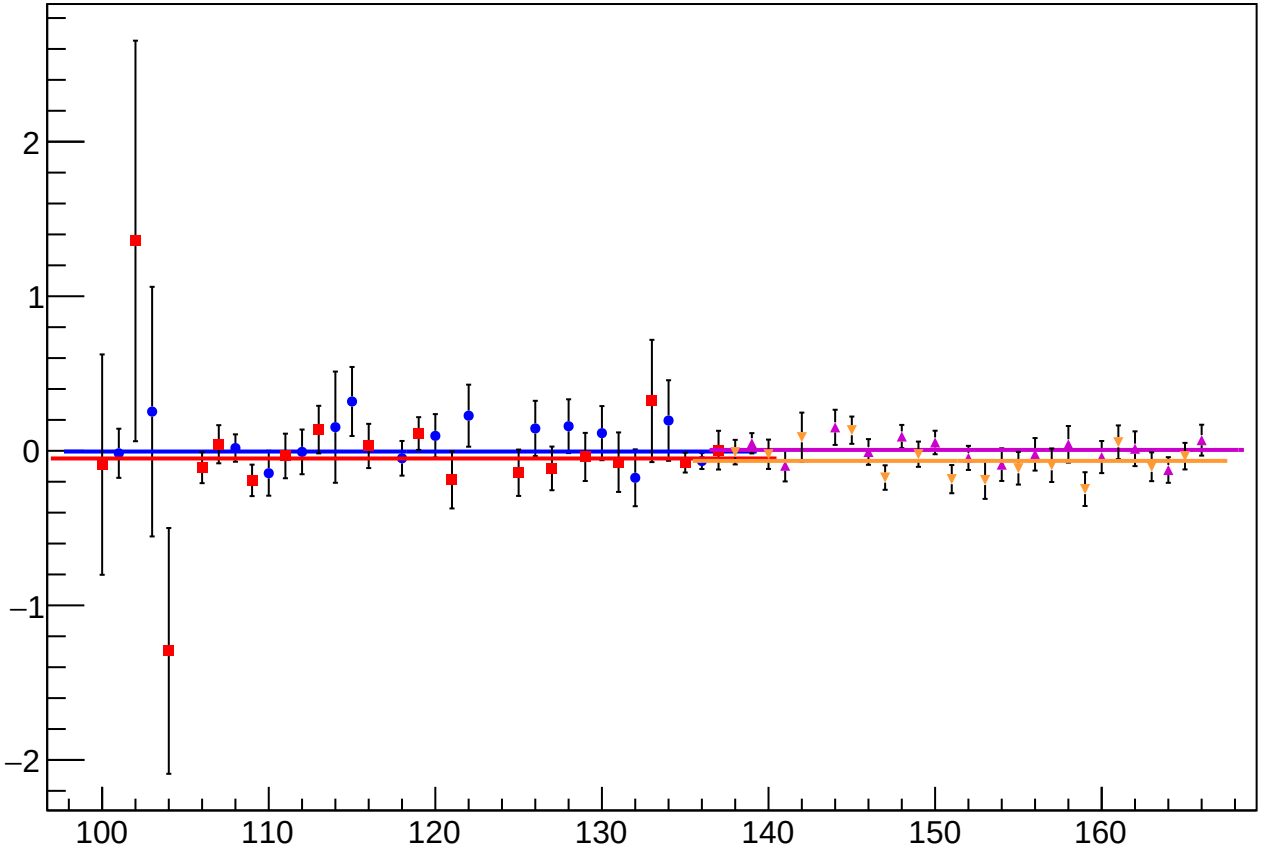
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5717734.6/29

Out: 0.006+/-0.000 χ^2/NDF:6334324.3/31

All: 0.007+/-0.000 χ^2/NDF: 12153972.1/61

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.027+/-0.018 χ^2/NDF: 29.5/27

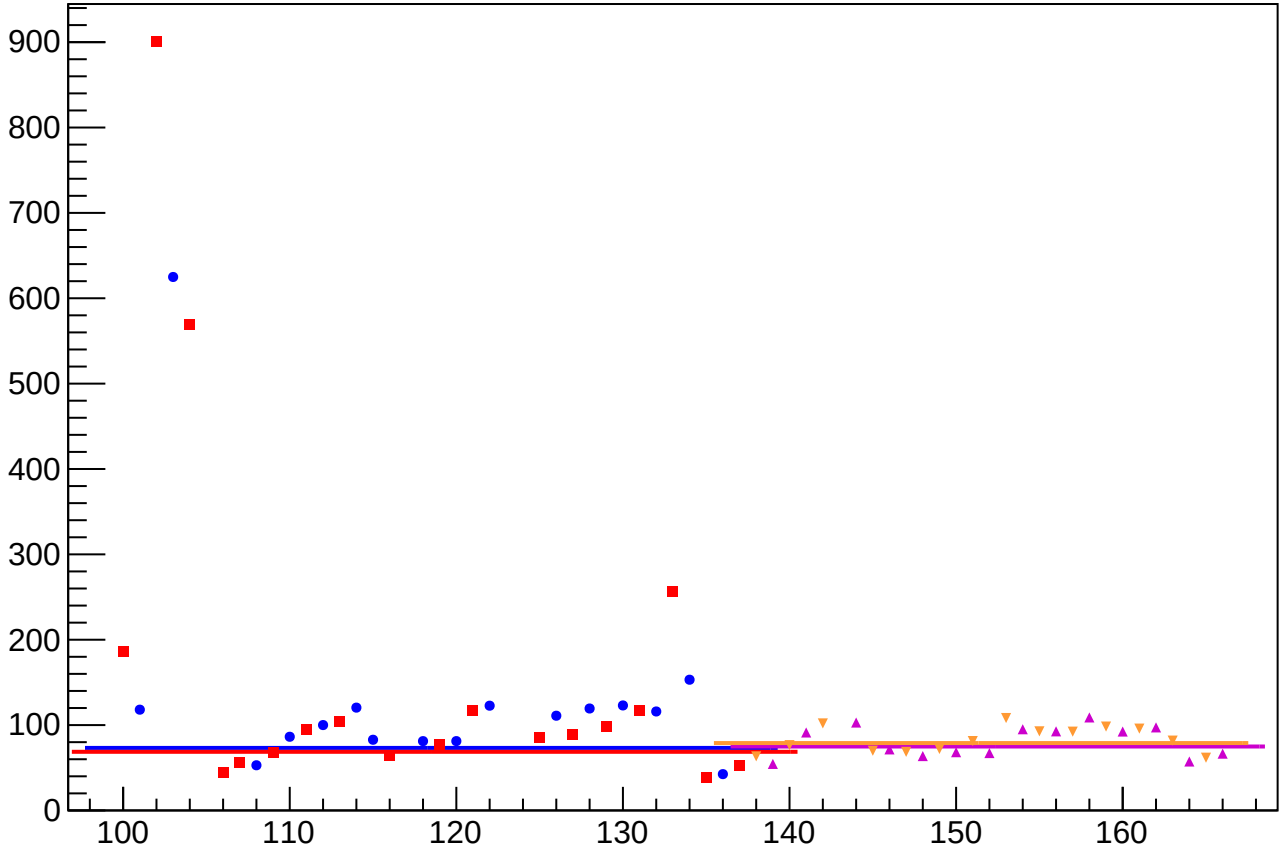
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.027+/-0.014 χ^2/NDF: 53.9/61

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 78.945+/-0.018 χ^2/NDF:561760.8/13

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.915+/-0.017 χ^2/NDF:985378.5/13

Left: 76.802+/-0.012 χ^2/NDF: 1573517.1/27

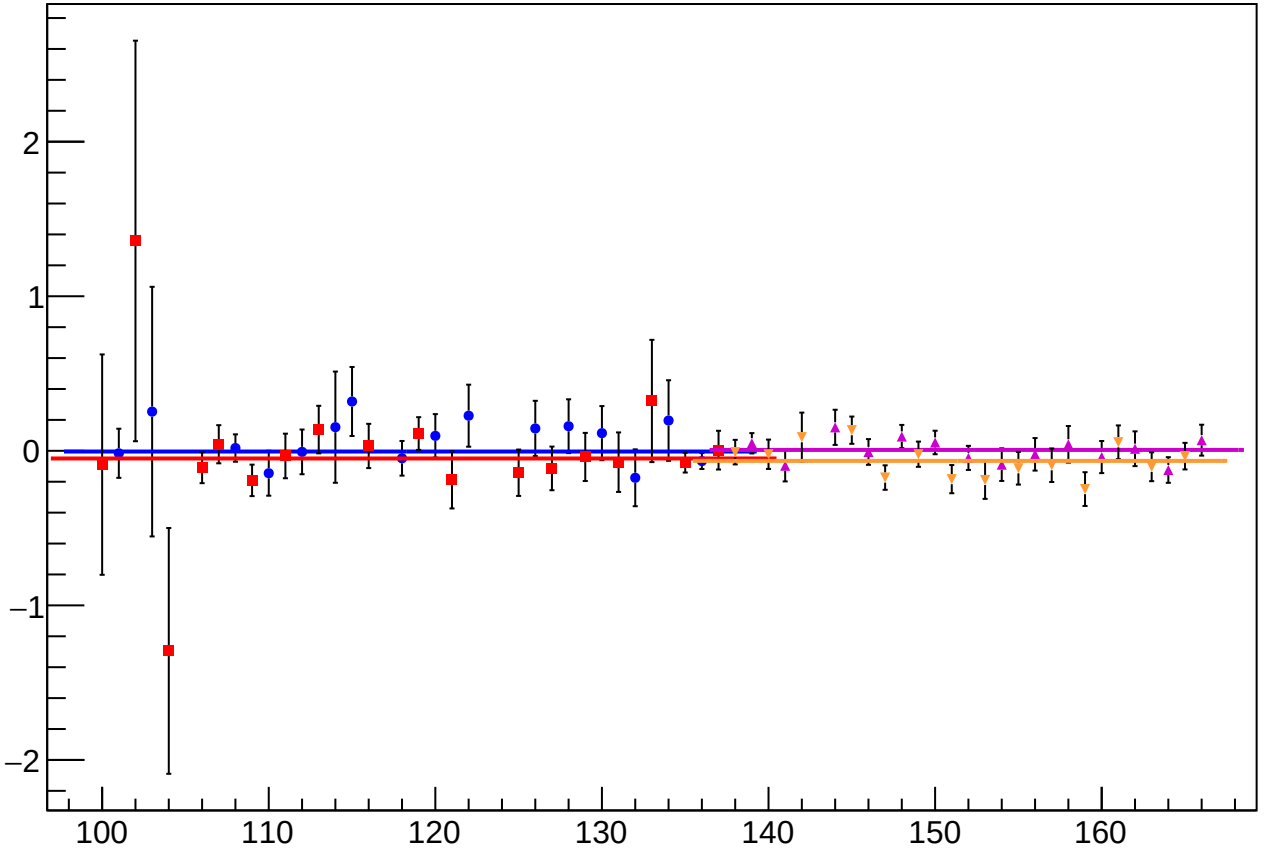
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.324+/-0.014 χ^2/NDF:3841076.6/29

Out: 74.901+/-0.014 χ^2/NDF:4020865.9/31

All: 74.603+/-0.010 χ^2/NDF: 7862809.9/61

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.024 χ^2/NDF:9.3/13

Left: -0.027+/-0.018 χ^2/NDF: 29.5/27

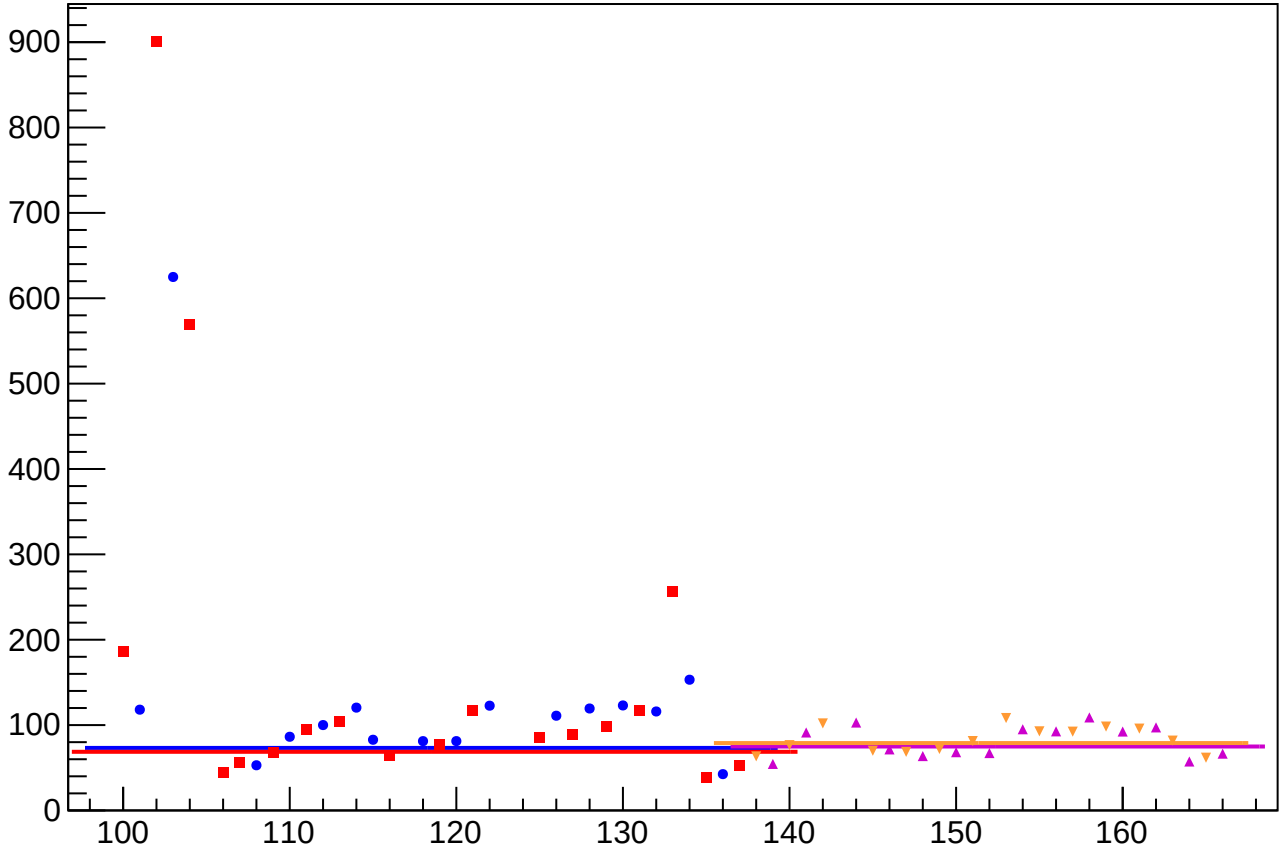
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.002+/-0.019 χ^2/NDF:19.7/29

Out: -0.059+/-0.020 χ^2/NDF:29.3/31

All: -0.027+/-0.014 χ^2/NDF: 53.9/61

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 78.945+/-0.018 χ^2/NDF:561760.8/13

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.915+/-0.017 χ^2/NDF:985378.5/13

Left: 76.802+/-0.012 χ^2/NDF: 1573517.1/27

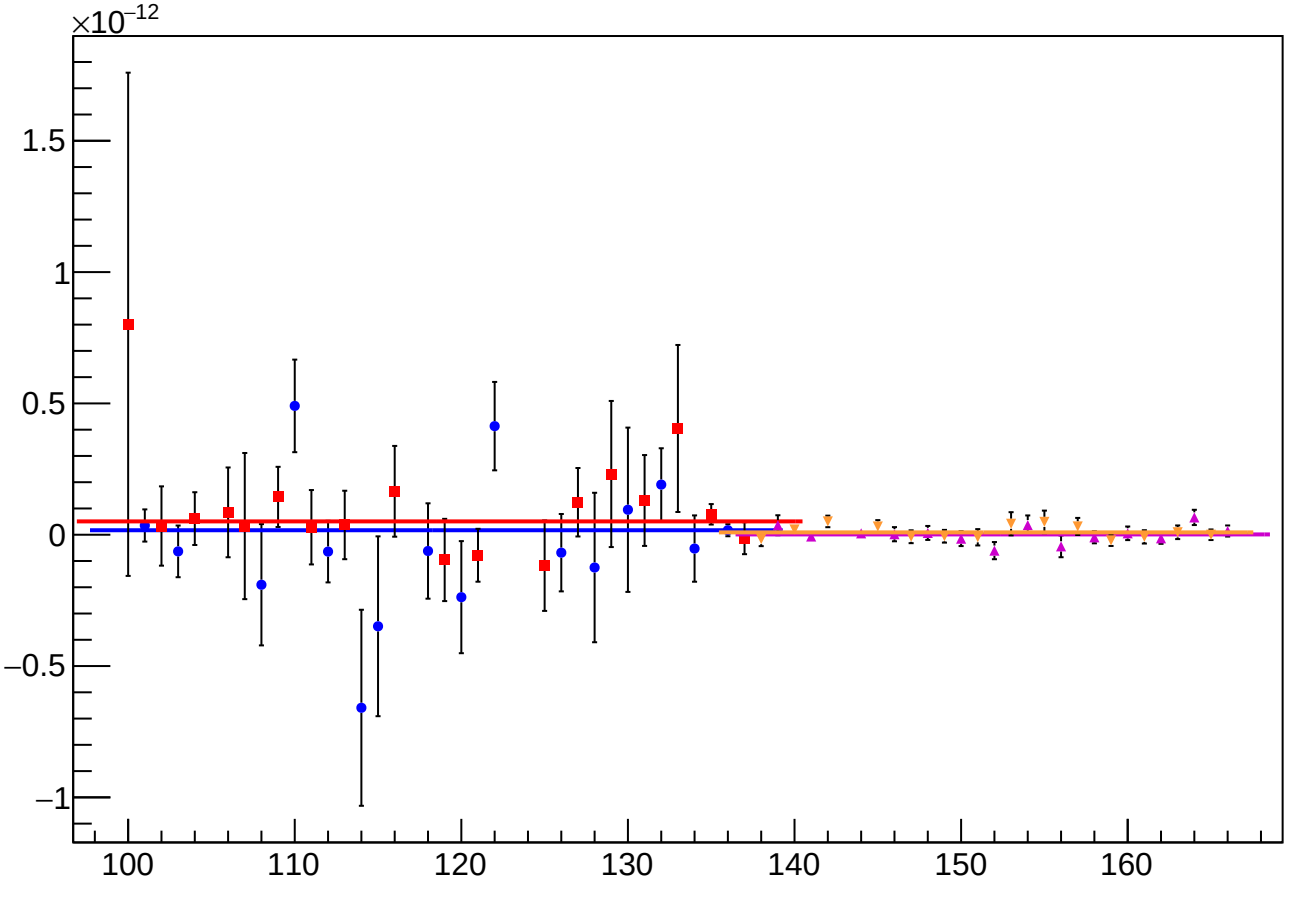
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.324+/-0.014 χ^2/NDF:3841076.6/29

Out: 74.901+/-0.014 χ^2/NDF:4020865.9/31

All: 74.603+/-0.010 χ^2/NDF: 7862809.9/61

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/13

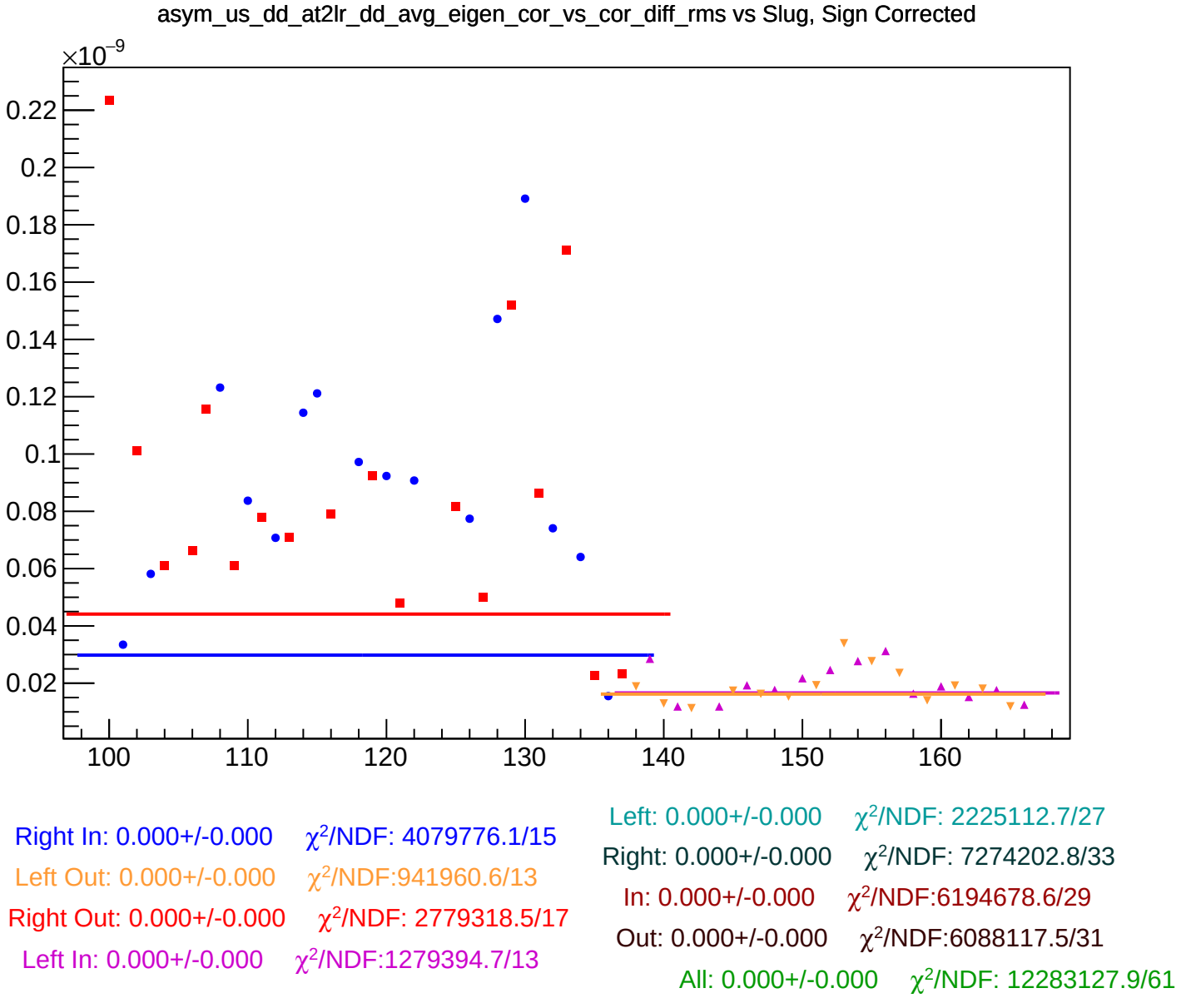
Left: 0.000+/-0.000 χ^2/NDF: 25.6/27

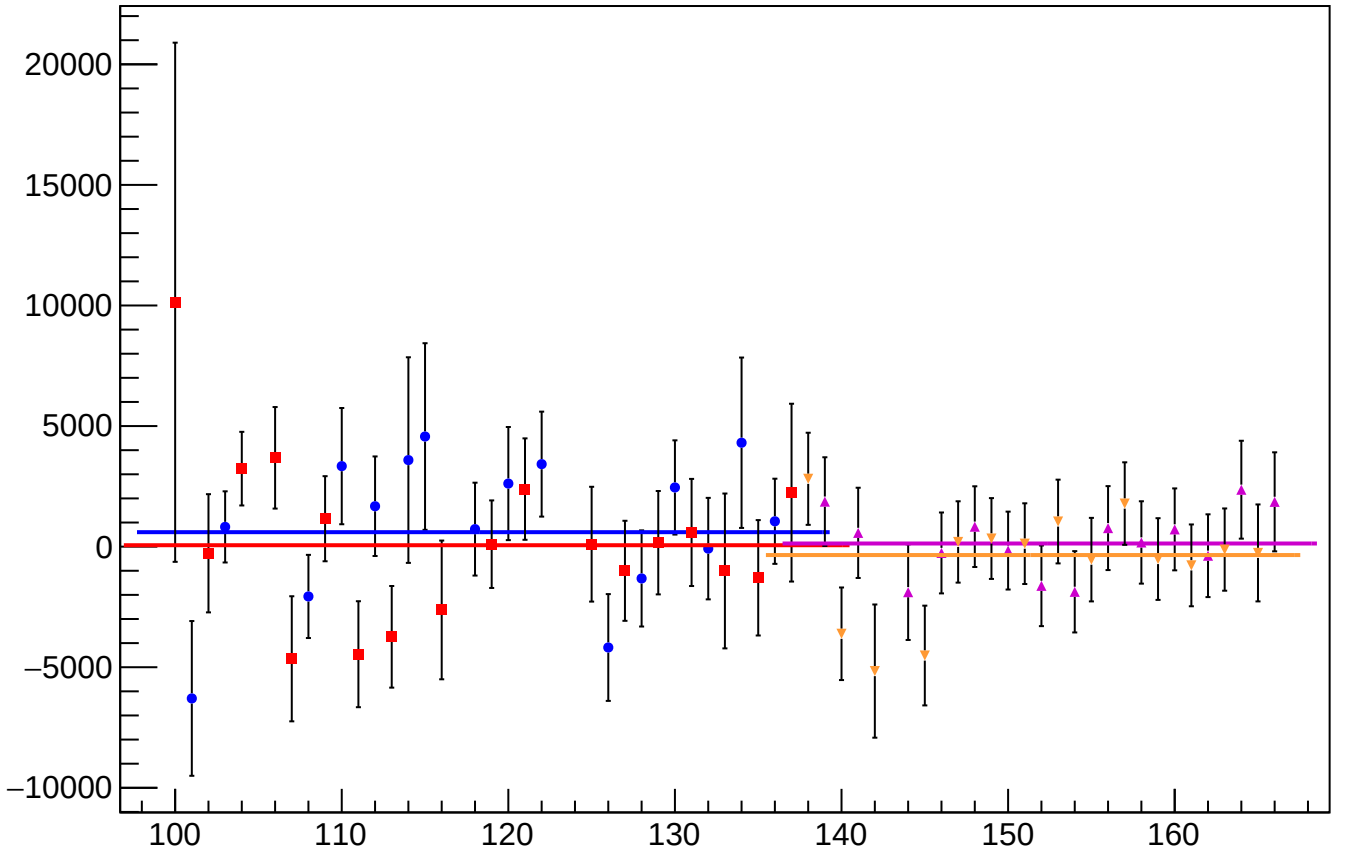
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.3/29

Out: 0.000+/-0.000 χ^2/NDF:23.3/31

All: 0.000+/-0.000 χ^2/NDF: 61.6/61


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:941960.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1279394.7/13
Left: 0.000+/-0.000 χ²/NDF: 2225112.7/27
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6194678.6/29
Out: 0.000+/-0.000 χ²/NDF:6088117.5/31
All: 0.000+/-0.000 χ²/NDF: 12283127.9/61



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.527+/-483.970 χ^2/NDF:15.4/13

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 130.617+/-472.442 χ^2/NDF:7.0/13

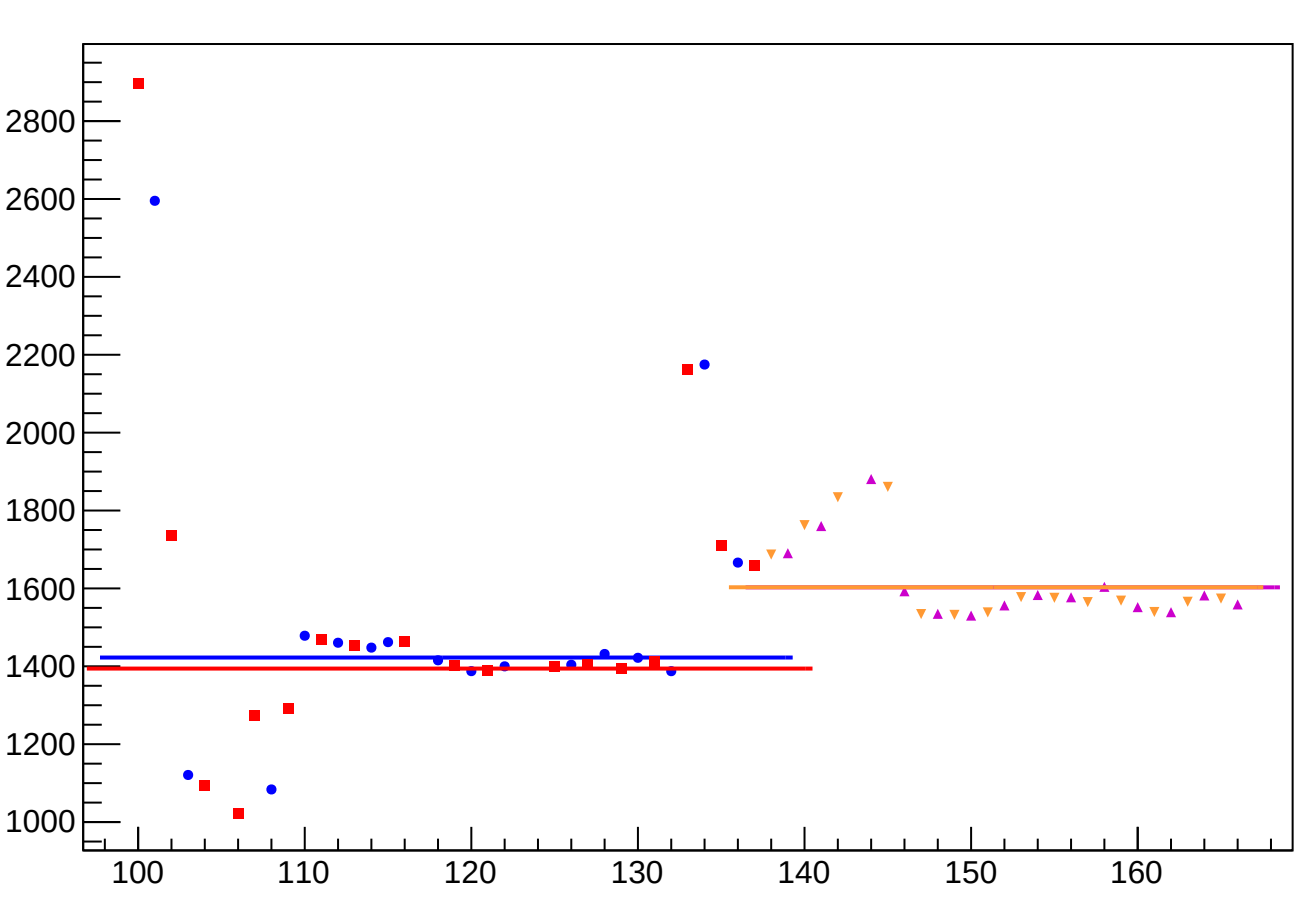
Left: -103.181+/-338.069 χ^2/NDF: 22.9/27

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 334.168+/-355.583 χ^2/NDF:27.8/29

Out: -163.263+/-357.449 χ^2/NDF:38.2/31

All: 86.754+/-252.092 χ^2/NDF: 67.0/61



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

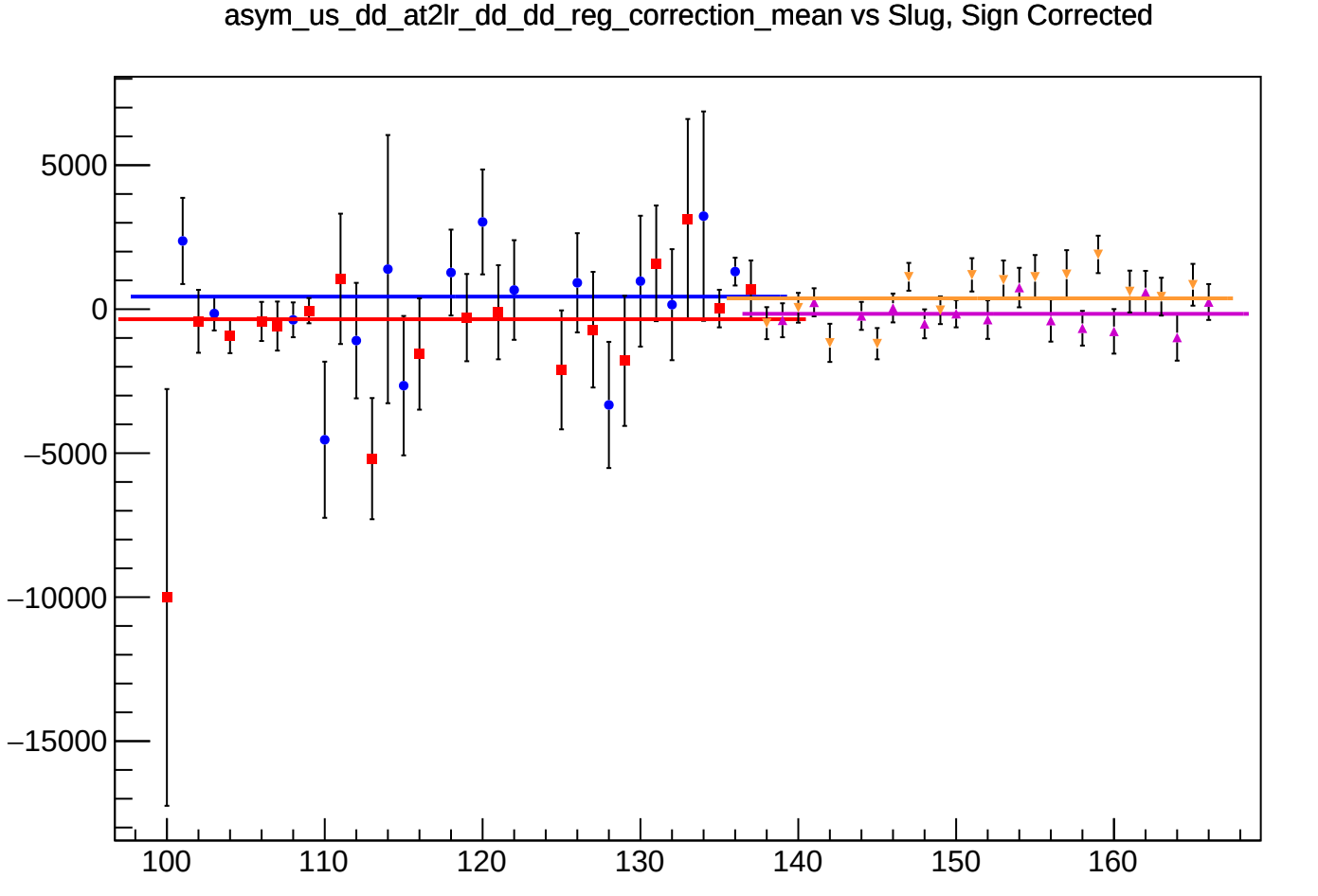
Left: 1602.841+/-0.239 χ^2/NDF: 152939.0/27

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1524.614+/-0.251 χ^2/NDF:759827.6/29

Out: 1508.051+/-0.253 χ^2/NDF:642367.8/31

All: 1516.376+/-0.178 χ^2/NDF: 1404353.7/61



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 375.658+/-161.975 χ^2/NDF:30.7/13

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -161.919+/-157.578 χ^2/NDF:7.2/13

Left: 99.473+/-112.947 χ^2/NDF: 43.6/27

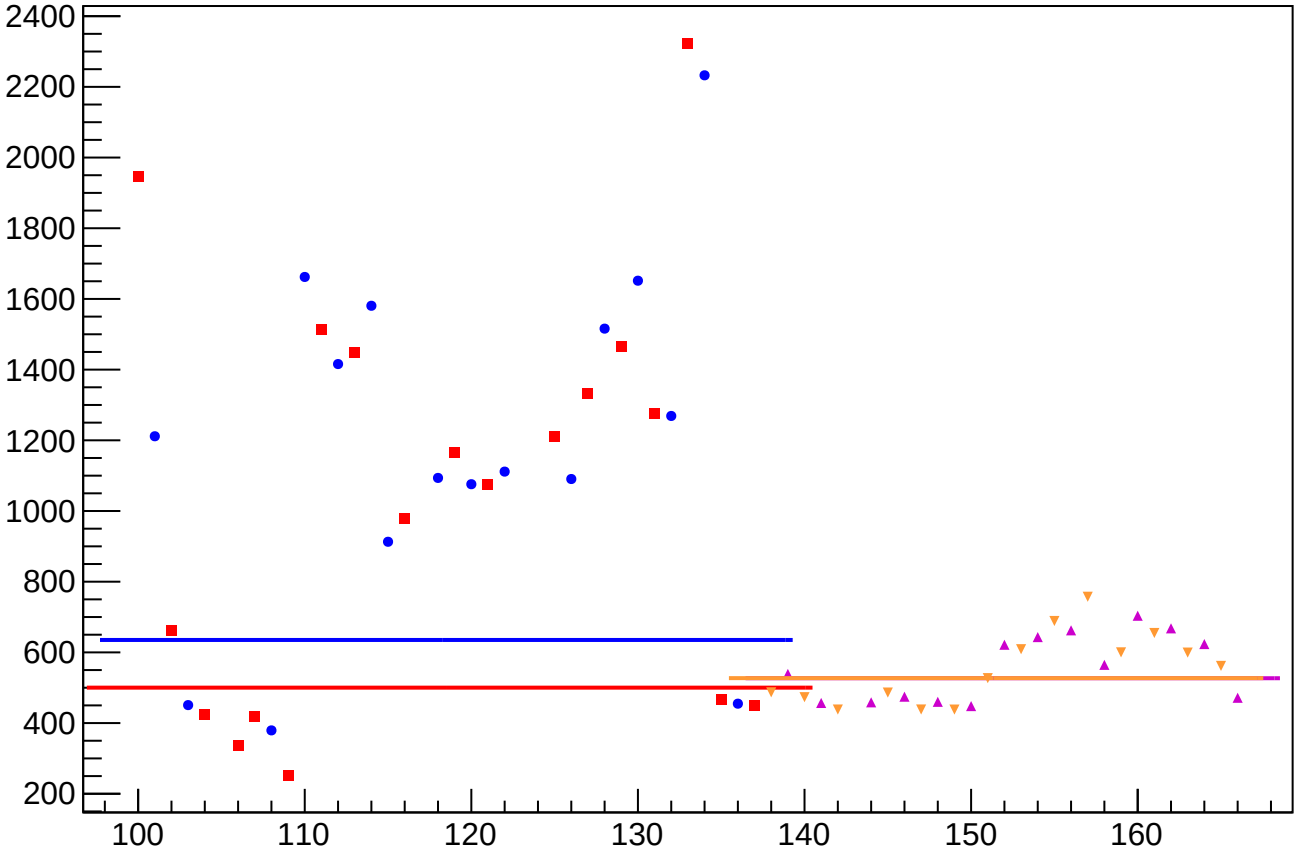
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -14.739+/-136.835 χ^2/NDF:30.1/29

Out: 140.711+/-133.134 χ^2/NDF:51.1/31

All: 65.116+/-95.422 χ^2/NDF: 81.9/61

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 527.138+/-0.115 χ^2/NDF:602680.3/13

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 526.863+/-0.111 χ^2/NDF:588005.4/13

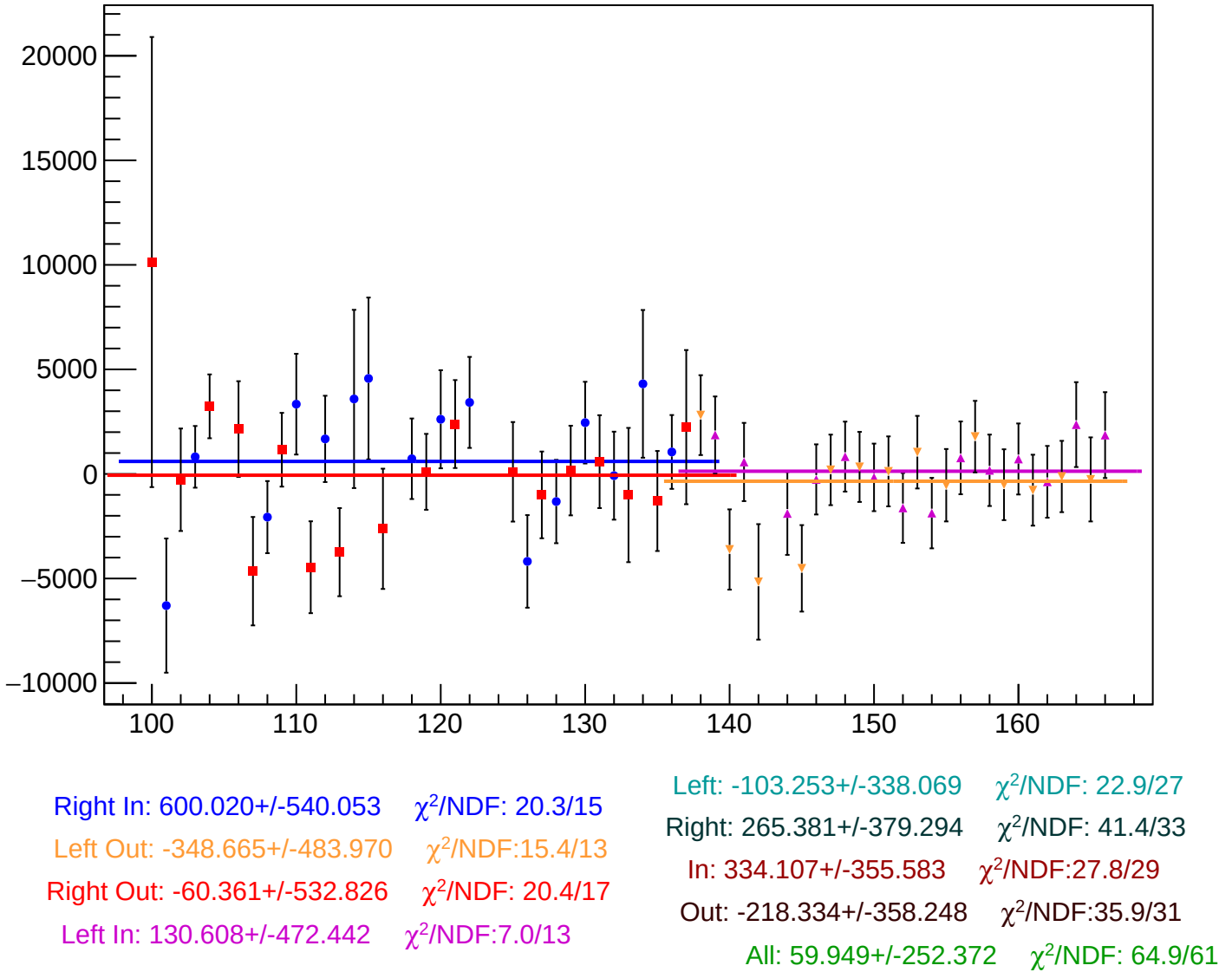
Left: 526.997+/-0.080 χ^2/NDF: 1190688.6/27

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 553.492+/-0.097 χ^2/NDF:4572813.6/29

Out: 518.409+/-0.094 χ^2/NDF:4929677.1/31

All: 535.470+/-0.067 χ^2/NDF: 9570027.1/61


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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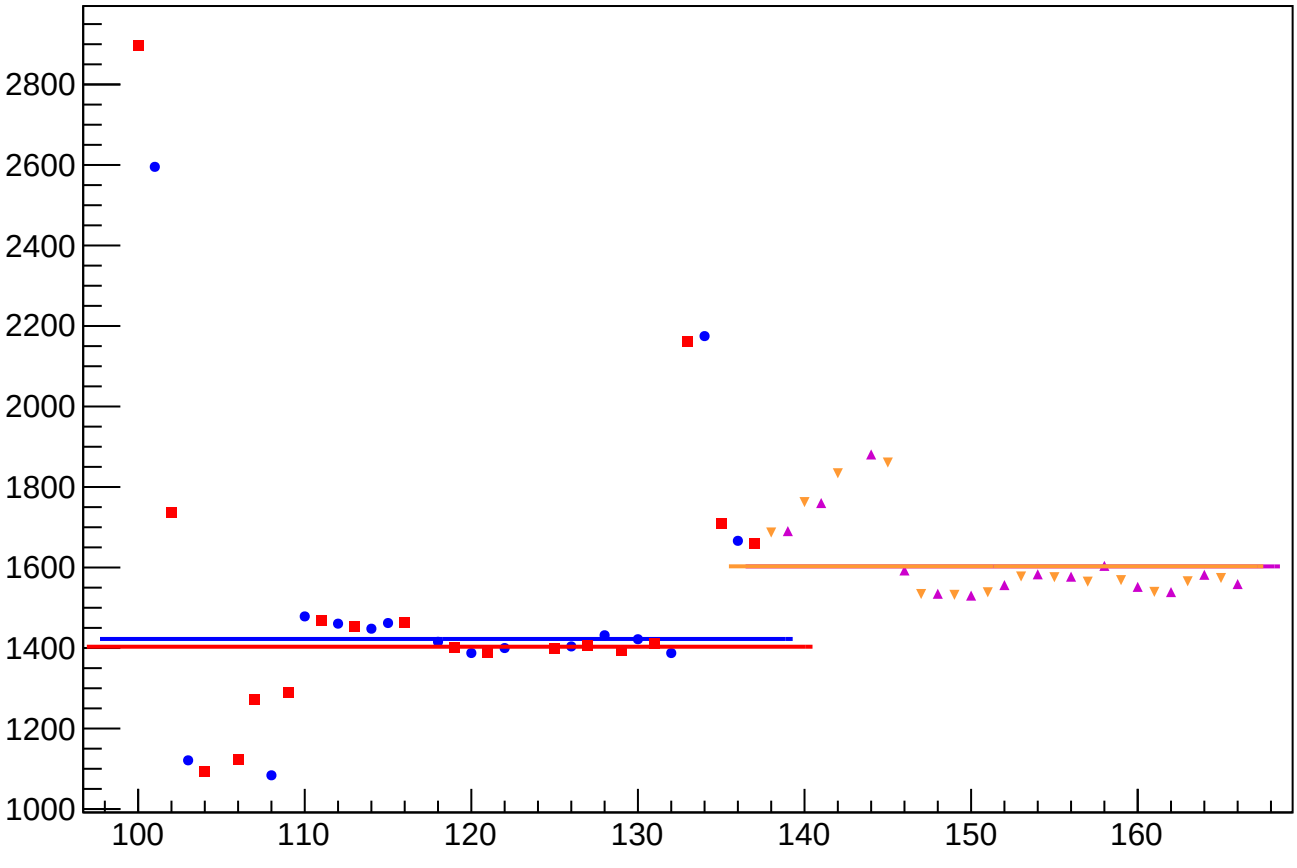
130
140
150
160
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -348.665+/-483.970 χ²/NDF:15.4/13
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 130.608+/-472.442 χ²/NDF:7.0/13
Left: -103.253+/-338.069 χ²/NDF: 22.9/27
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 334.107+/-355.583 χ²/NDF:27.8/29
Out: -218.334+/-358.248 χ²/NDF:35.9/31
All: 59.949+/-252.372 χ²/NDF: 64.9/61



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

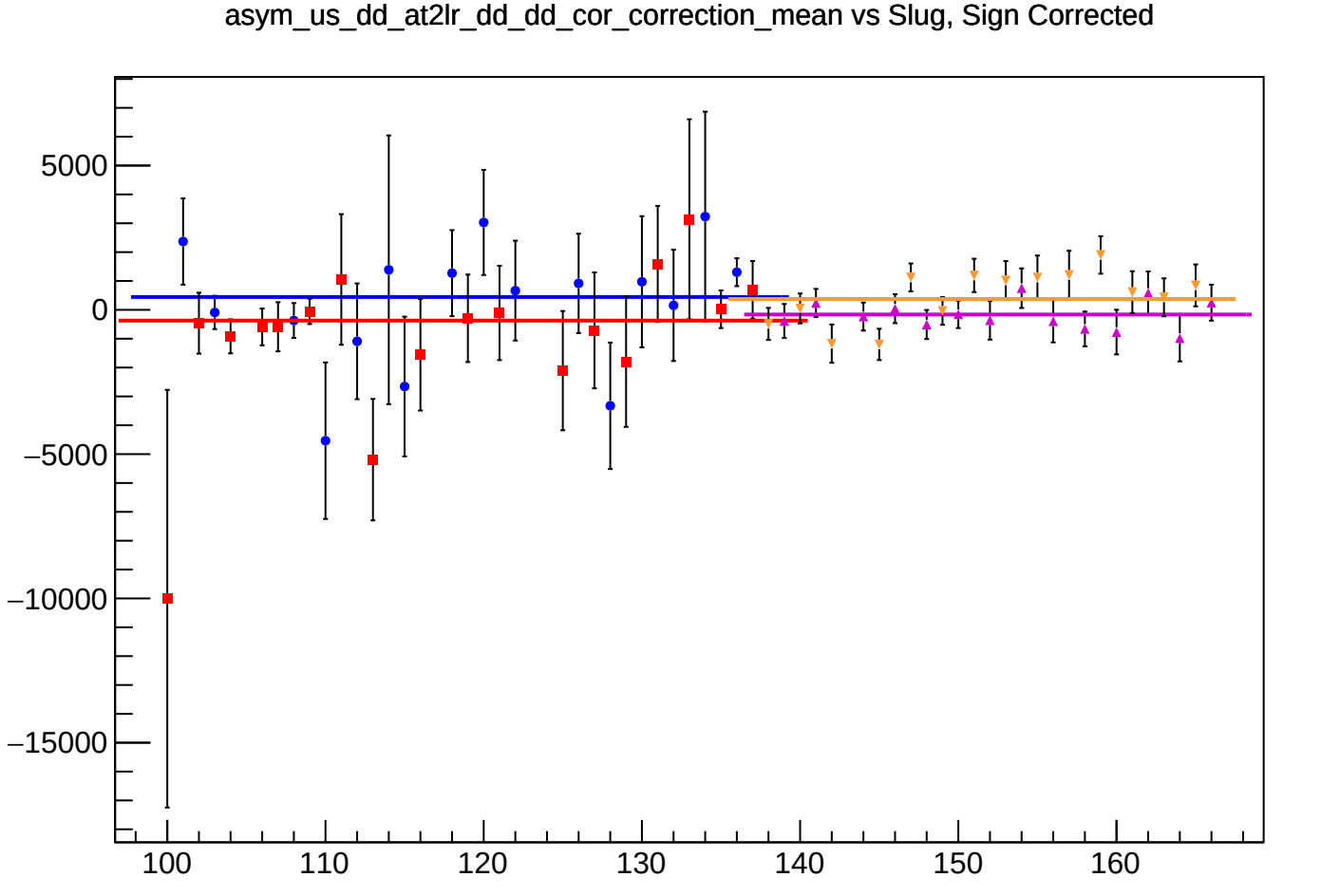
Left: 1602.841+/-0.239 χ^2/NDF: 152939.0/27

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1524.614+/-0.251 χ^2/NDF:759828.0/29

Out: 1512.652+/-0.253 χ^2/NDF:592637.9/31

All: 1518.678+/-0.178 χ^2/NDF: 1353589.1/61


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
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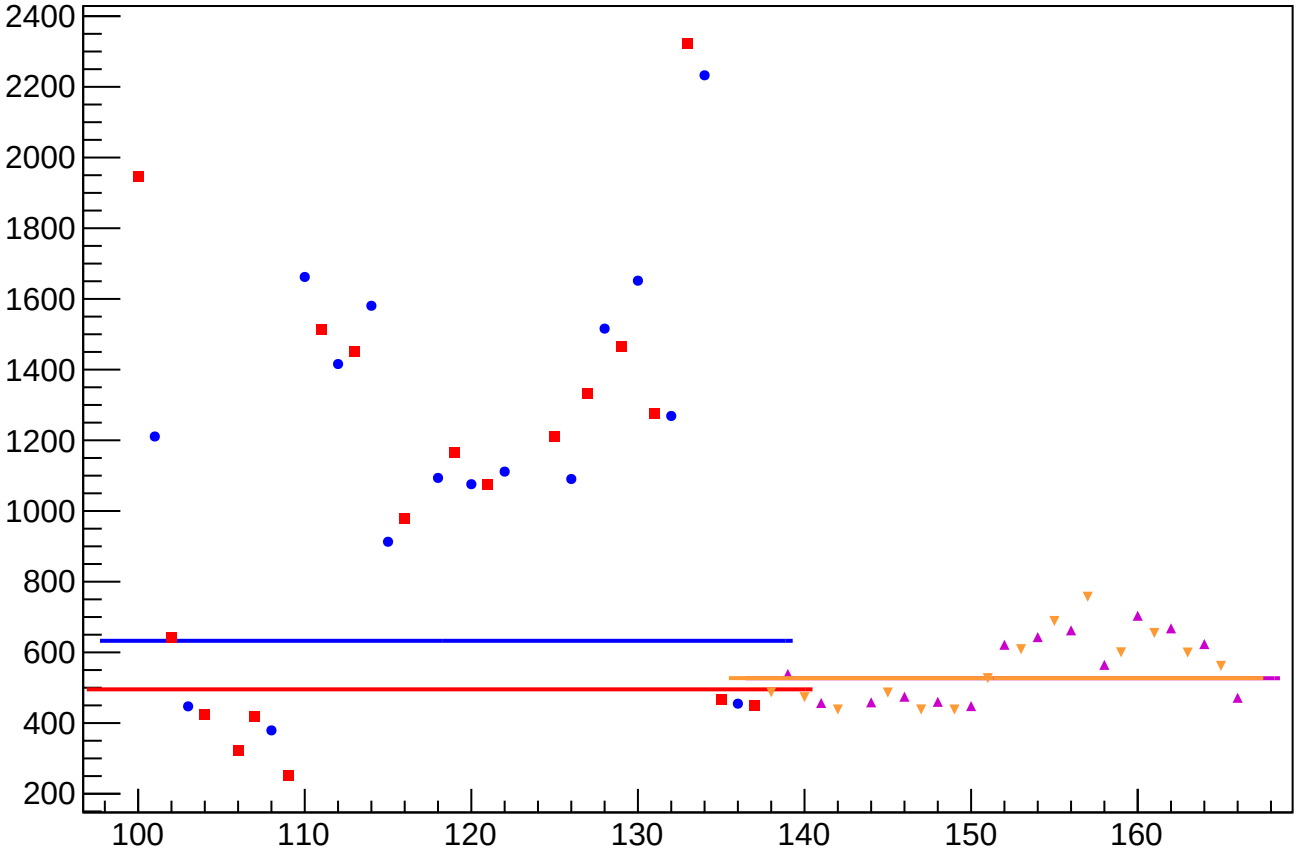
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 375.699+/-161.977 χ²/NDF:30.7/13
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -161.962+/-157.576 χ²/NDF:7.2/13
Left: 99.465+/-112.947 χ²/NDF: 43.6/27
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -11.689+/-136.689 χ²/NDF:30.1/29
Out: 129.573+/-132.689 χ²/NDF:51.7/31
All: 61.040+/-95.208 χ²/NDF: 82.4/61

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 527.145+/-0.115 χ^2/NDF:602570.1/13

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.858+/-0.111 χ^2/NDF:588029.2/13

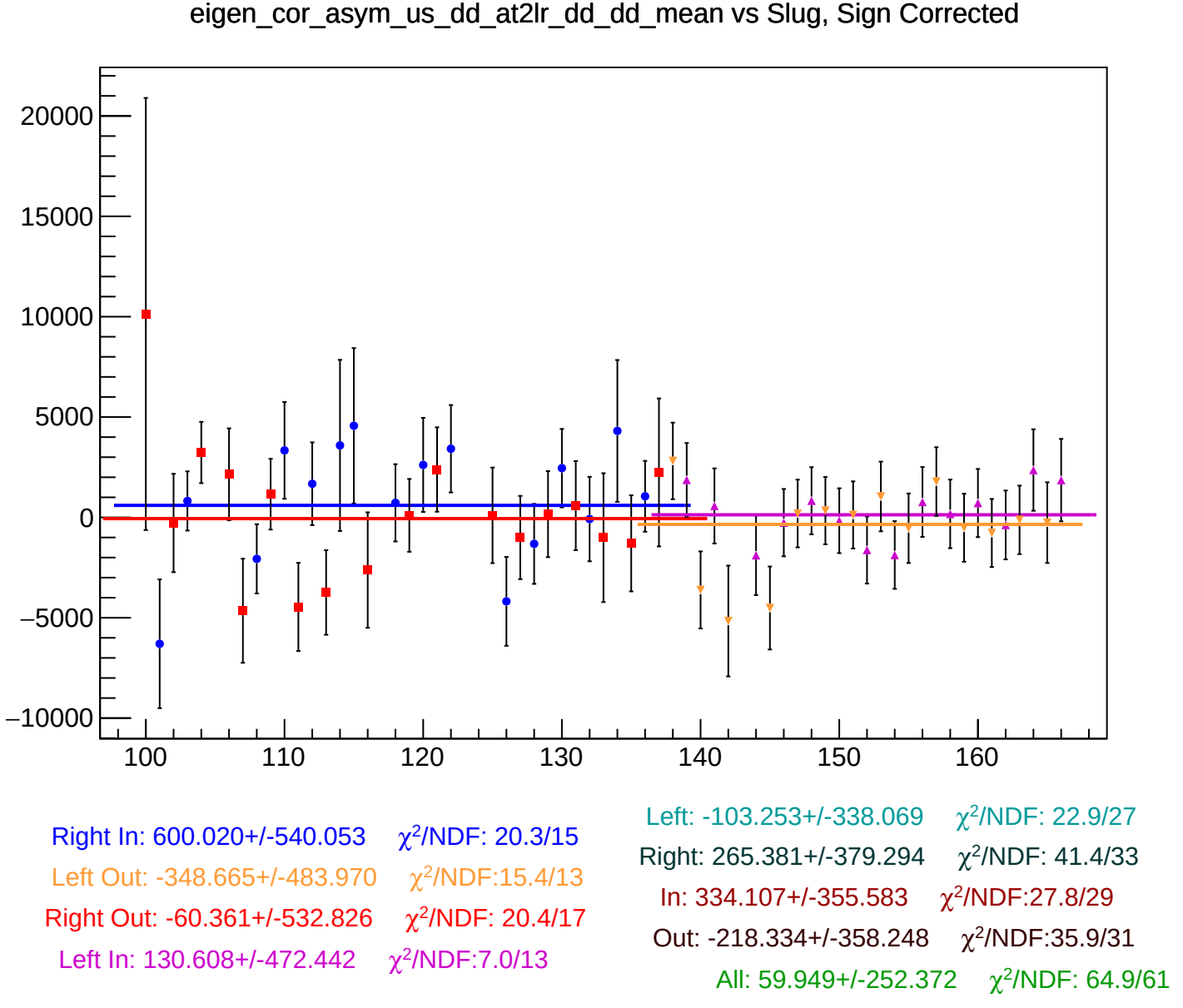
Left: 526.998+/-0.080 χ^2/NDF: 1190602.5/27

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 553.070+/-0.097 χ^2/NDF:4579340.5/29

Out: 516.696+/-0.094 χ^2/NDF:4965356.6/31

All: 534.343+/-0.067 χ^2/NDF: 9617612.7/61


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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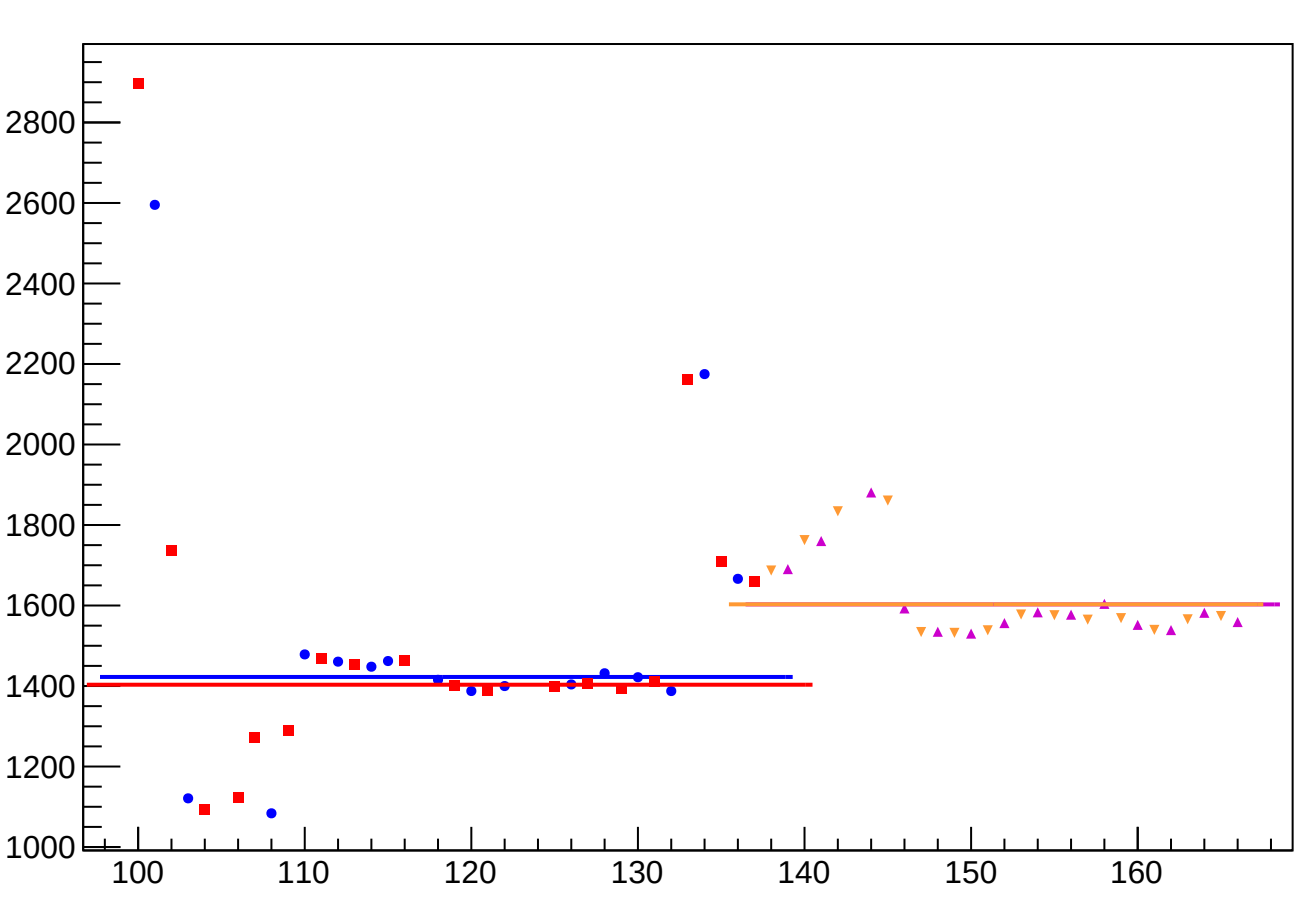
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -348.665+/-483.970 χ²/NDF:15.4/13
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 130.608+/-472.442 χ²/NDF:7.0/13
Left: -103.253+/-338.069 χ²/NDF: 22.9/27
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 334.107+/-355.583 χ²/NDF:27.8/29
Out: -218.334+/-358.248 χ²/NDF:35.9/31
All: 59.949+/-252.372 χ²/NDF: 64.9/61



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1602.750+/-0.334 χ^2/NDF:73379.8/13

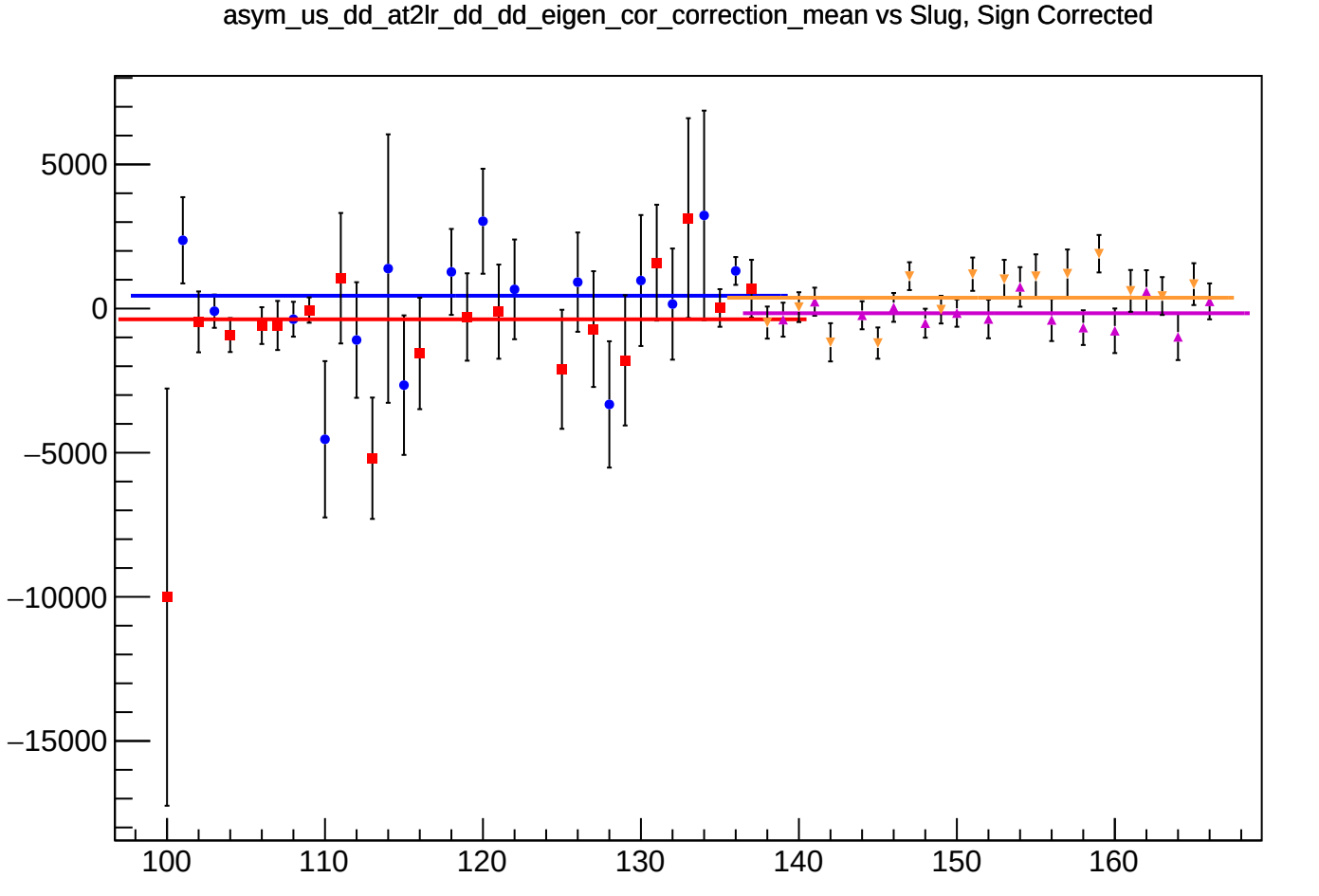
Left: 1602.841+/-0.239 χ^2/NDF: 152939.0/27

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1524.614+/-0.251 χ^2/NDF:759828.0/29

Out: 1512.652+/-0.253 χ^2/NDF:592637.9/31

All: 1518.678+/-0.178 χ^2/NDF: 1353589.1/61


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
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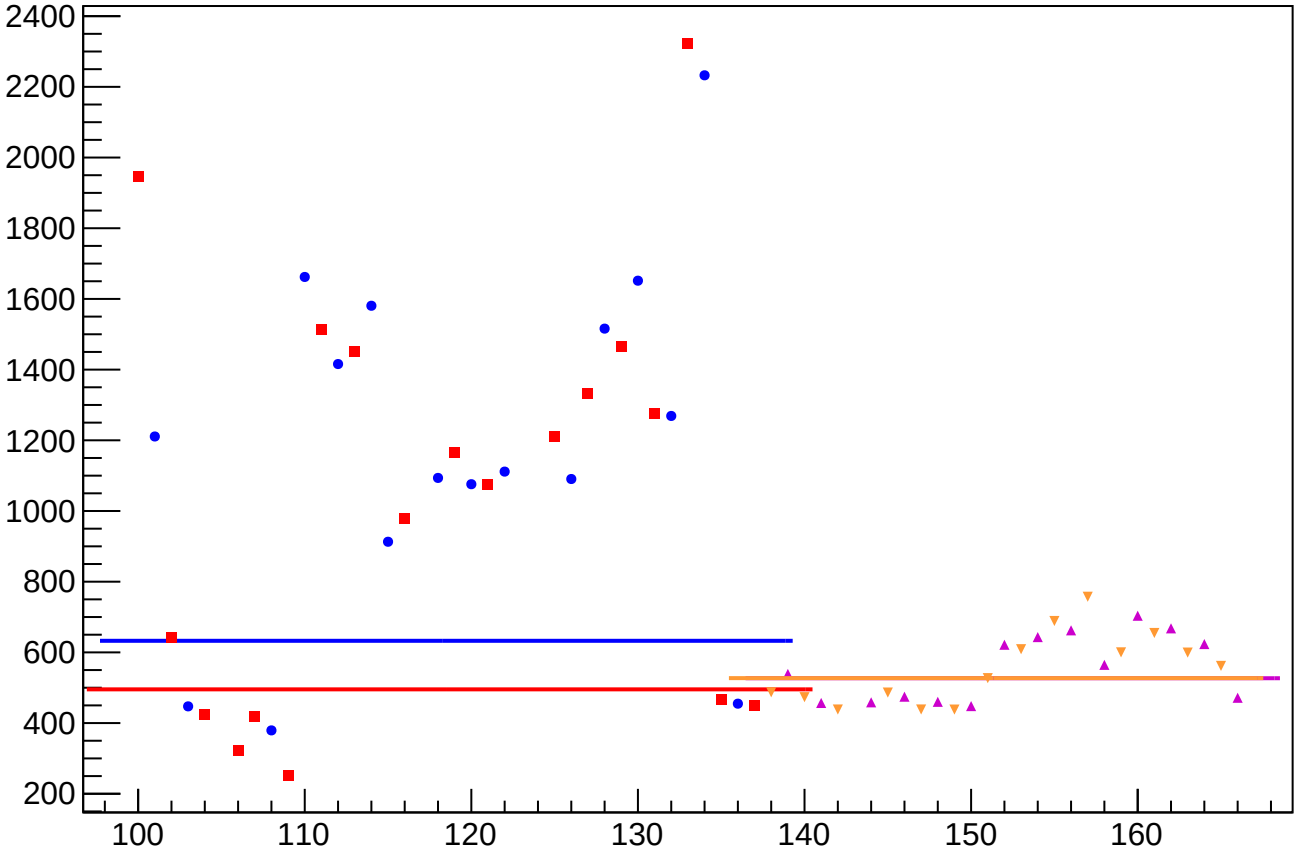
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 375.699+/-161.977 χ²/NDF:30.7/13
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -161.962+/-157.576 χ²/NDF:7.2/13
Left: 99.465+/-112.947 χ²/NDF: 43.6/27
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -11.689+/-136.689 χ²/NDF:30.1/29
Out: 129.573+/-132.689 χ²/NDF:51.7/31
All: 61.040+/-95.208 χ²/NDF: 82.4/61

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 527.145+/-0.115 χ^2/NDF:602570.1/13

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.858+/-0.111 χ^2/NDF:588029.2/13

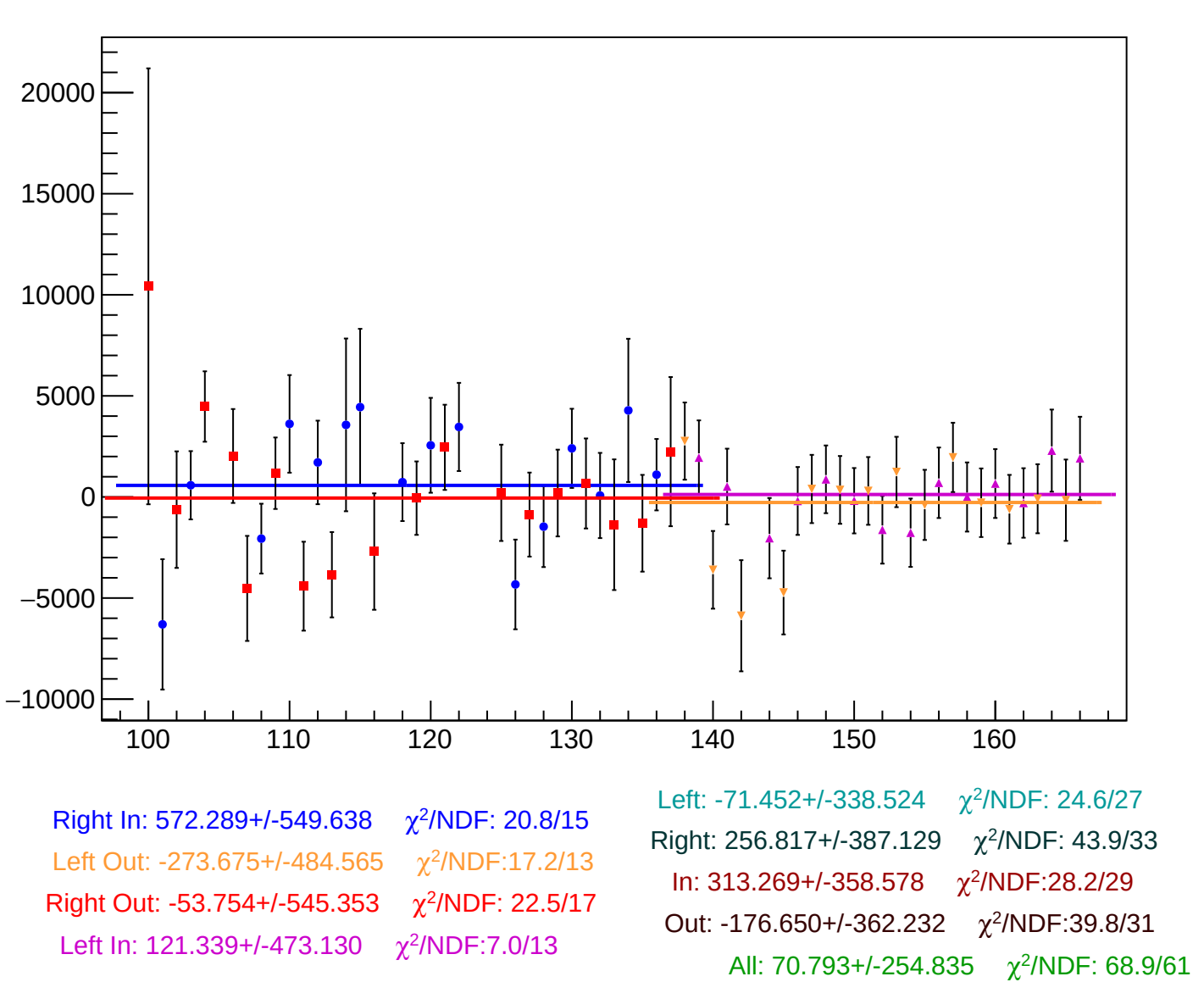
Left: 526.998+/-0.080 χ^2/NDF: 1190602.5/27

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 553.070+/-0.097 χ^2/NDF:4579340.5/29

Out: 516.696+/-0.094 χ^2/NDF:4965356.6/31

All: 534.343+/-0.067 χ^2/NDF: 9617612.7/61


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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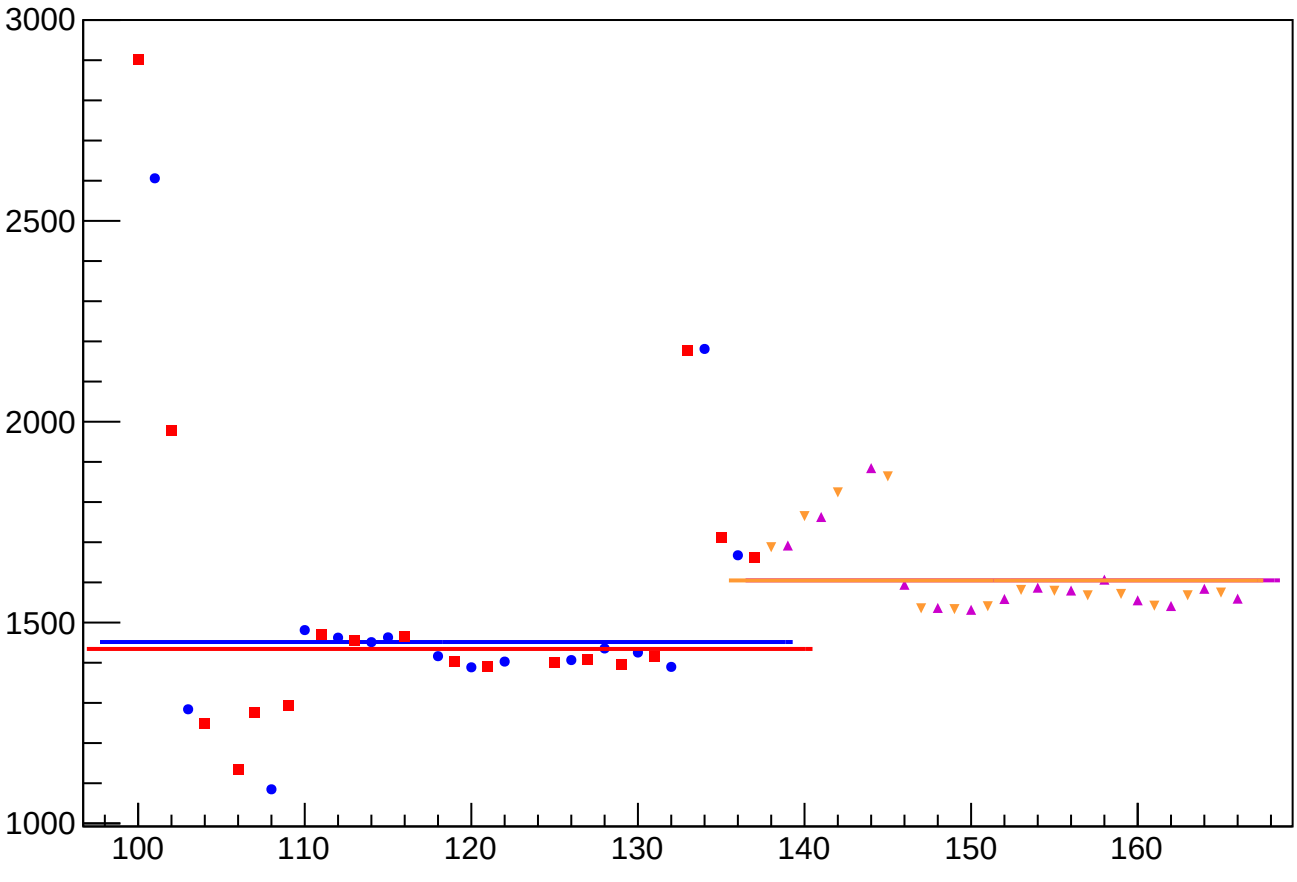
150
160
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -273.675+/-484.565 χ²/NDF:17.2/13
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: 121.339+/-473.130 χ²/NDF:7.0/13
Left: -71.452+/-338.524 χ²/NDF: 24.6/27
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 313.269+/-358.578 χ²/NDF:28.2/29
Out: -176.650+/-362.232 χ²/NDF:39.8/31
All: 70.793+/-254.835 χ²/NDF: 68.9/61



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.7/13

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1605.067+/-0.335 χ^2/NDF:73601.8/13

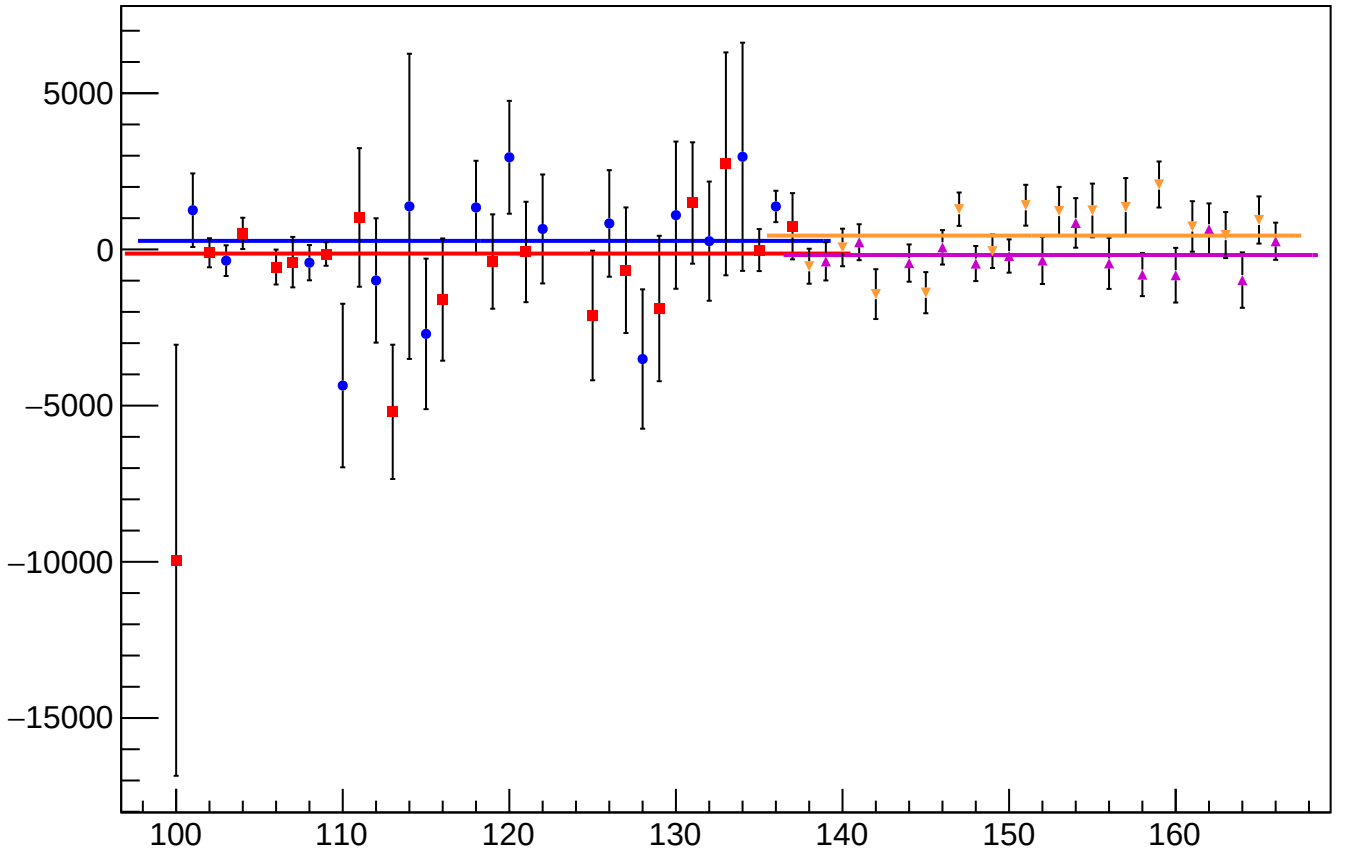
Left: 1604.975+/-0.239 χ^2/NDF: 151822.6/27

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1539.741+/-0.254 χ^2/NDF:651022.4/29

Out: 1529.631+/-0.256 χ^2/NDF:516127.8/31

All: 1534.737+/-0.180 χ^2/NDF: 1167937.0/61



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 442.515+/-181.601 χ^2/NDF:30.7/13

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -179.284+/-175.888 χ^2/NDF:6.8/13

Left: 121.680+/-126.343 χ^2/NDF: 43.5/27

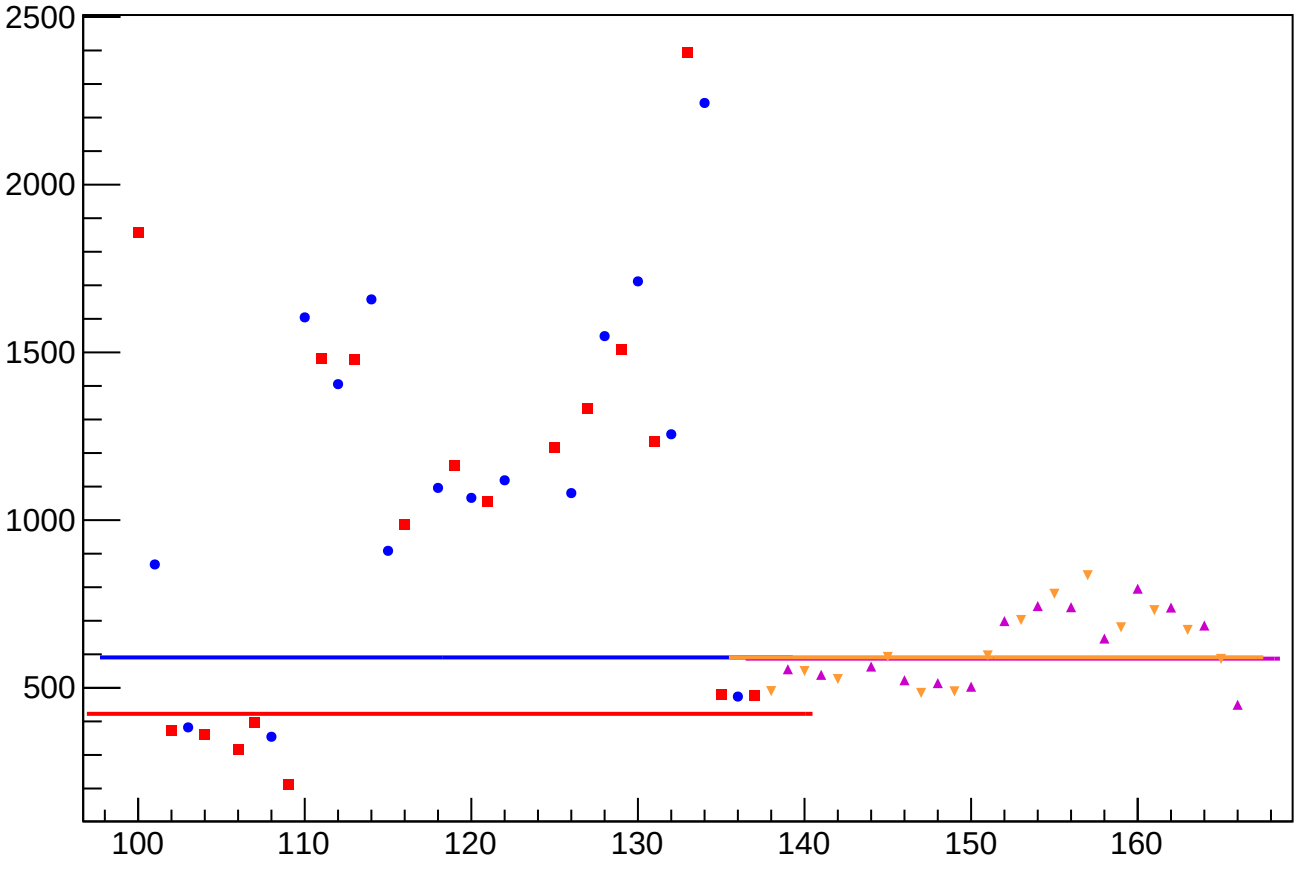
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -37.548+/-145.778 χ^2/NDF:29.1/29

Out: 176.771+/-133.190 χ^2/NDF:49.7/31

All: 79.262+/-98.329 χ^2/NDF: 80.0/61

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 591.117+/-0.128 χ^2/NDF:630687.2/13

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 587.103+/-0.124 χ^2/NDF:653604.2/13

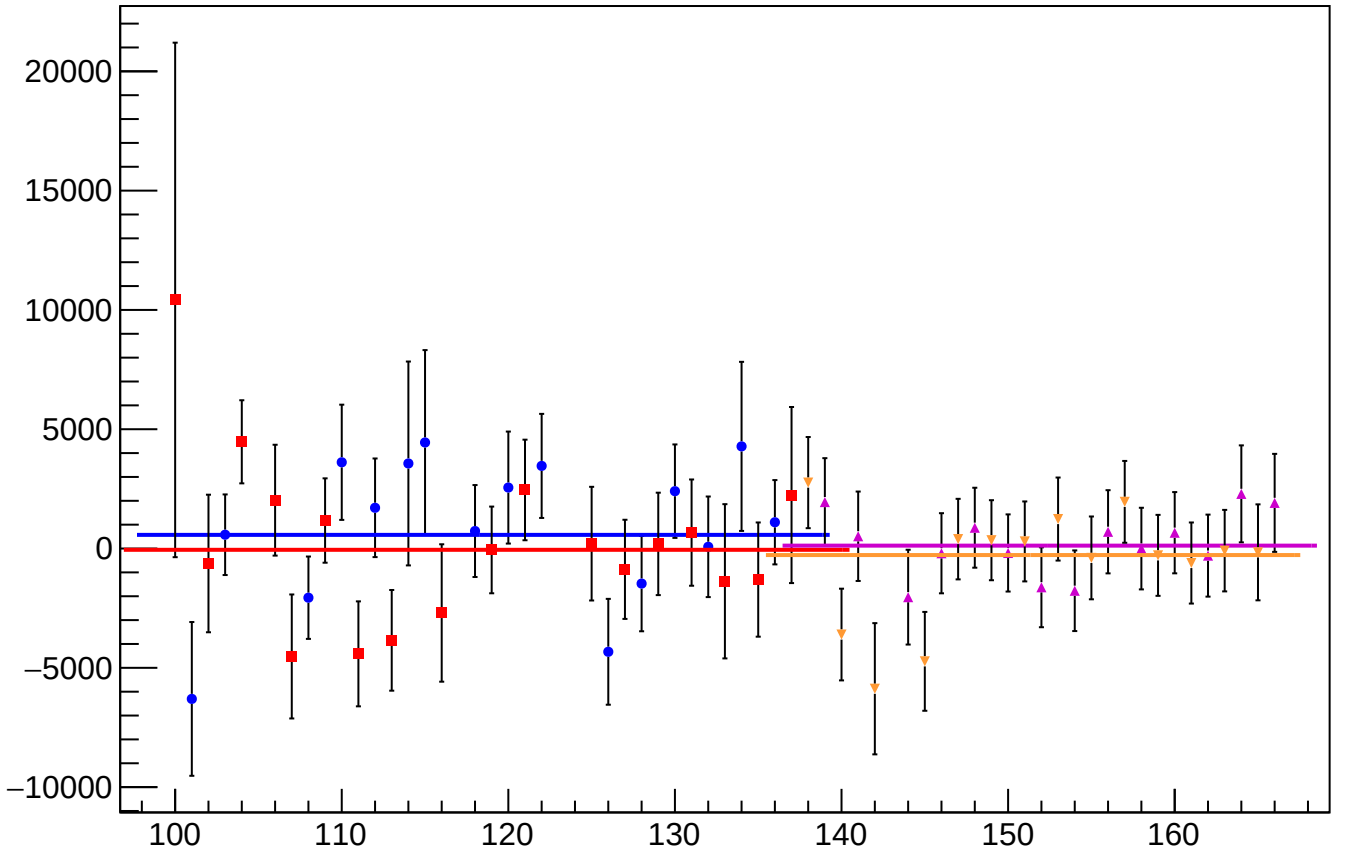
Left: 589.046+/-0.089 χ^2/NDF: 1284795.6/27

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 588.244+/-0.103 χ^2/NDF:4539375.4/29

Out: 513.260+/-0.094 χ^2/NDF:6284236.3/31

All: 547.375+/-0.070 χ^2/NDF: 11112022.4/61



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -273.682+/-484.565 χ^2/NDF:17.2/13

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 121.341+/-473.130 χ^2/NDF:7.0/13

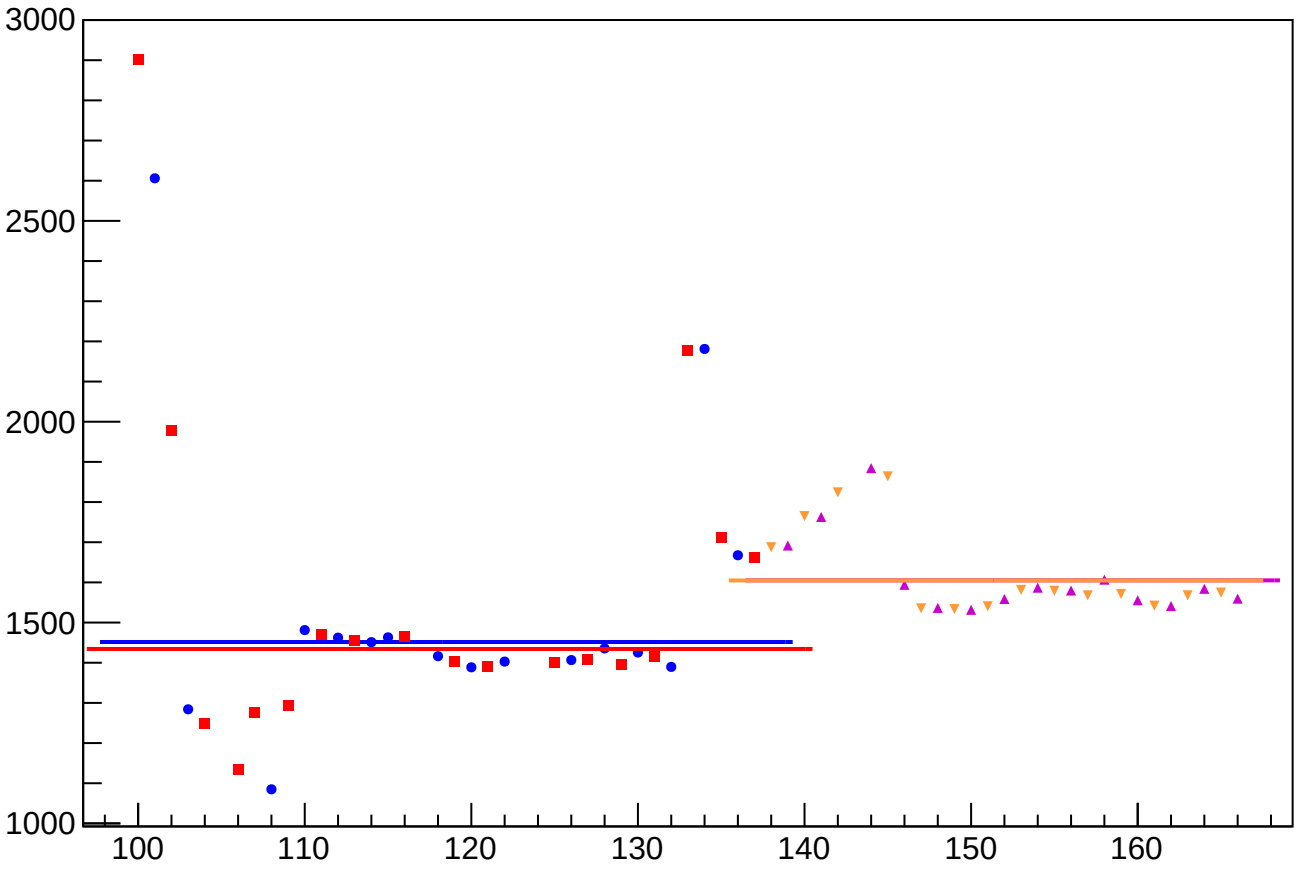
Left: -71.455+/-338.524 χ^2/NDF: 24.6/27

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 313.270+/-358.578 χ^2/NDF:28.2/29

Out: -176.653+/-362.232 χ^2/NDF:39.8/31

All: 70.792+/-254.835 χ^2/NDF: 68.9/61



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.8/13

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1605.067+/-0.335 χ^2/NDF:73602.0/13

Left: 1604.975+/-0.239 χ^2/NDF: 151823.0/27

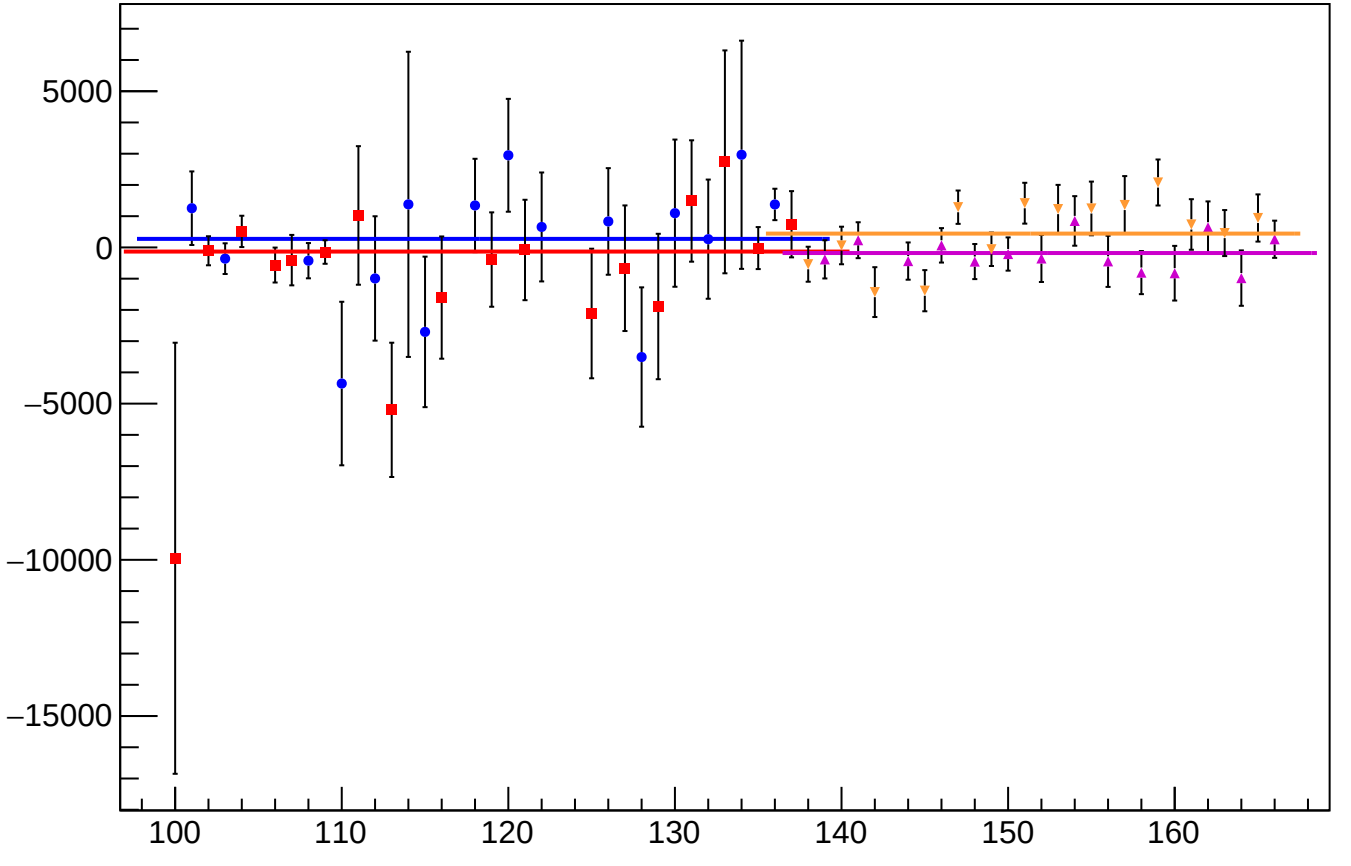
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1539.741+/-0.254 χ^2/NDF:651022.1/29

Out: 1529.631+/-0.256 χ^2/NDF:516128.2/31

All: 1534.737+/-0.180 χ^2/NDF: 1167937.1/61

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 442.522+/-181.602 χ^2/NDF:30.7/13

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -179.285+/-175.888 χ^2/NDF:6.8/13

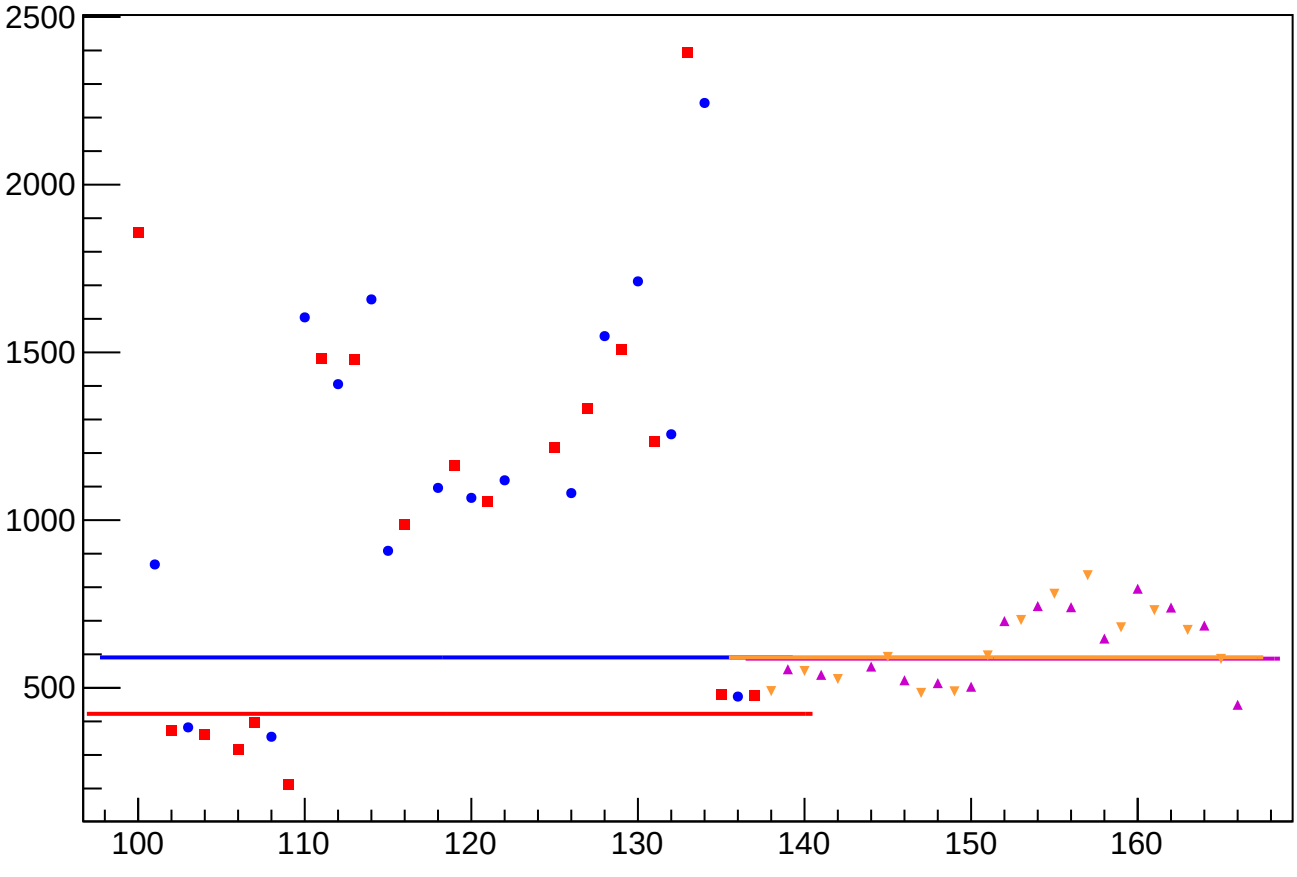
Left: 121.682+/-126.344 χ^2/NDF: 43.5/27

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -37.552+/-145.778 χ^2/NDF:29.1/29

Out: 176.779+/-133.191 χ^2/NDF:49.7/31

All: 79.264+/-98.330 χ^2/NDF: 80.0/61



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 591.120+/-0.128 χ^2/NDF:630667.6/13

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 587.103+/-0.124 χ^2/NDF:653625.0/13

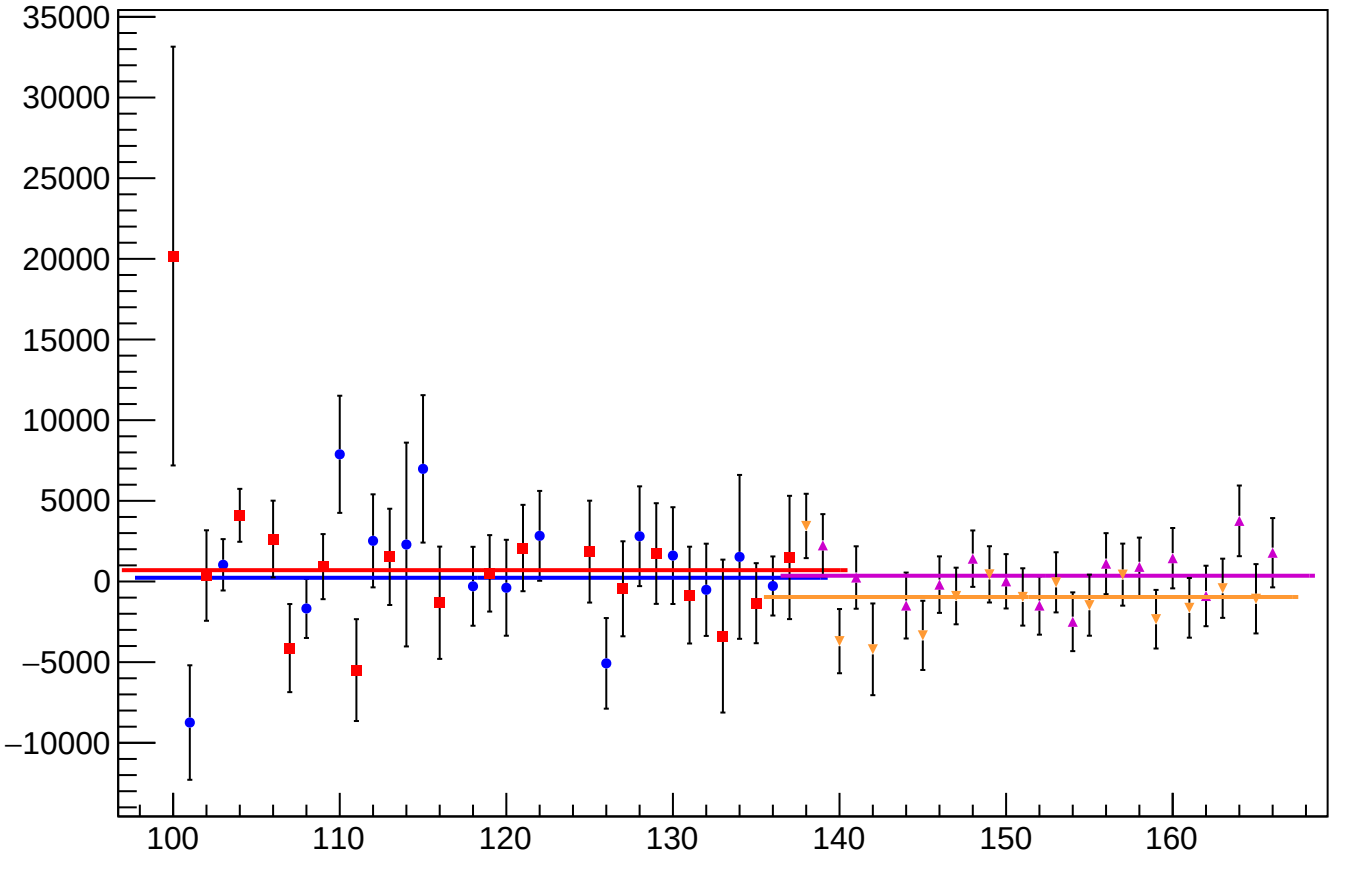
Left: 589.047+/-0.089 χ^2/NDF: 1284797.4/27

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 588.244+/-0.103 χ^2/NDF:4539424.4/29

Out: 513.264+/-0.094 χ^2/NDF:6284099.7/31

All: 547.378+/-0.070 χ^2/NDF: 11111897.3/61



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -961.466+/-515.597 χ^2/NDF:11.6/13

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 356.910+/-502.081 χ^2/NDF:9.7/13

Left: -284.773+/-359.708 χ^2/NDF: 24.6/27

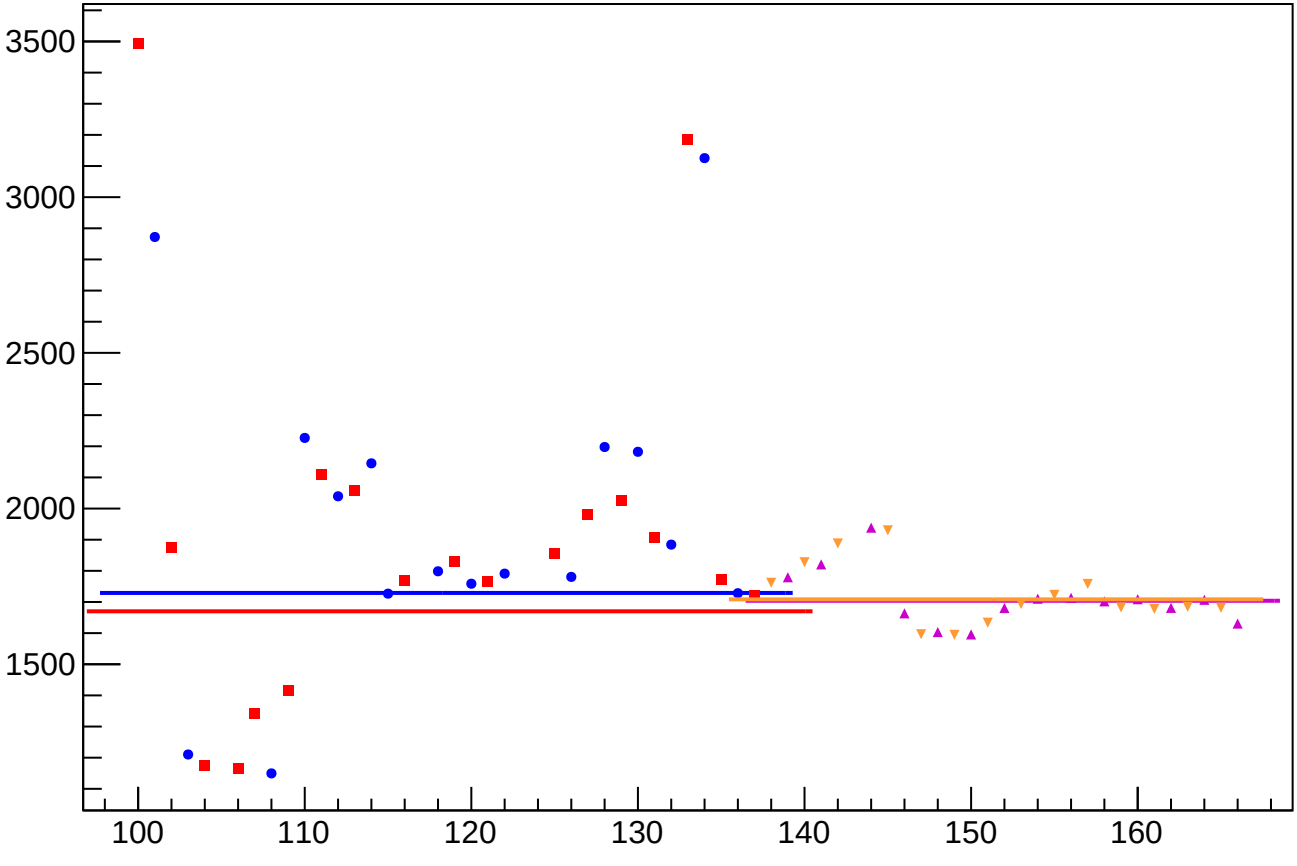
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 311.217+/-400.970 χ^2/NDF:30.4/29

Out: -316.881+/-403.540 χ^2/NDF:32.6/31

All: -0.826+/-284.433 χ^2/NDF: 64.3/61

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1708.383+/-0.365 χ^2/NDF:61344.6/13

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1703.917+/-0.355 χ^2/NDF:55690.8/13

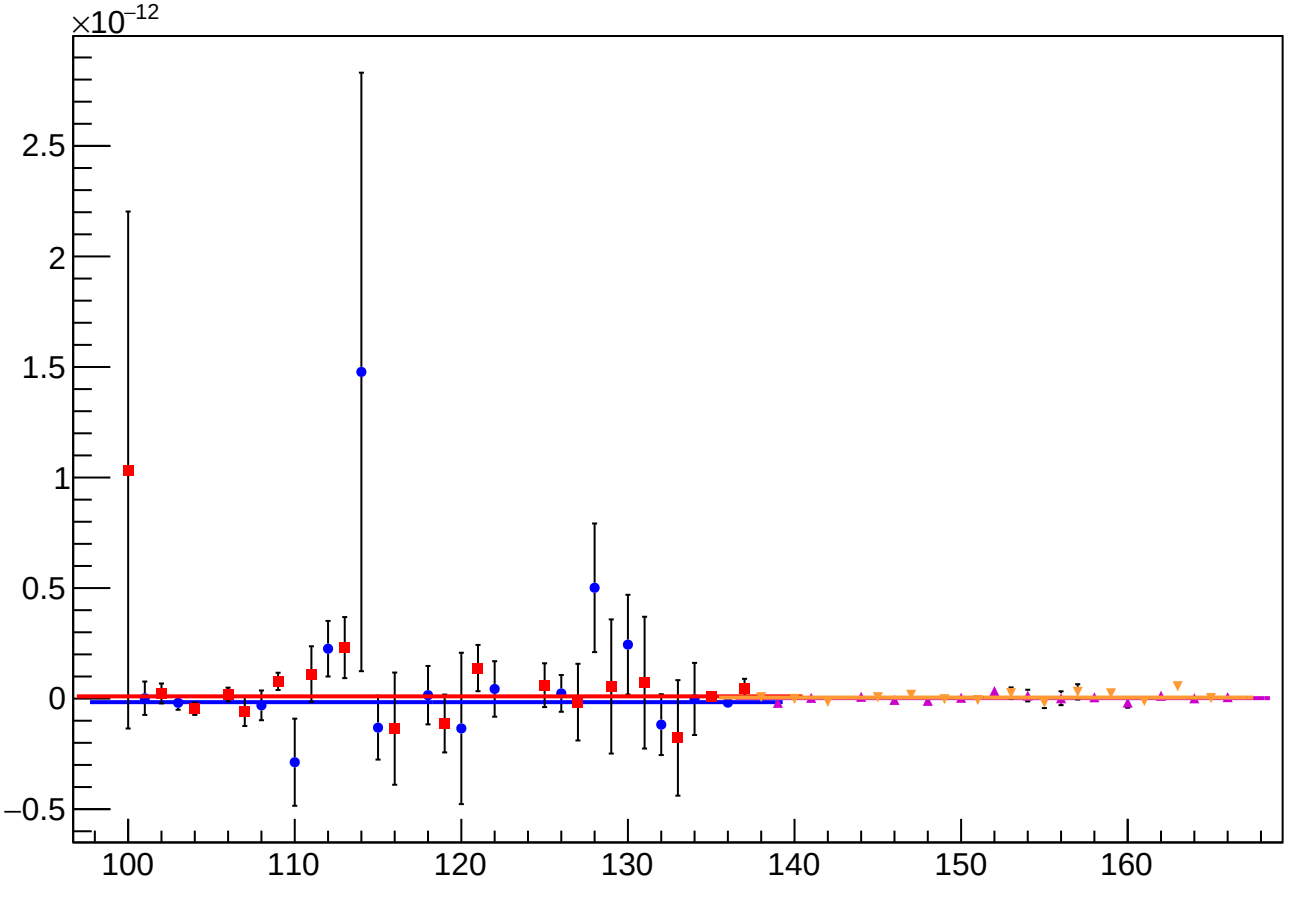
Left: 1706.091+/-0.254 χ^2/NDF: 117112.4/27

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1713.020+/-0.284 χ^2/NDF:999585.1/29

Out: 1693.534+/-0.285 χ^2/NDF:810078.2/31

All: 1703.339+/-0.201 χ^2/NDF: 1812010.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.0/13

Left: 0.000+/-0.000 χ^2/NDF: 19.5/27

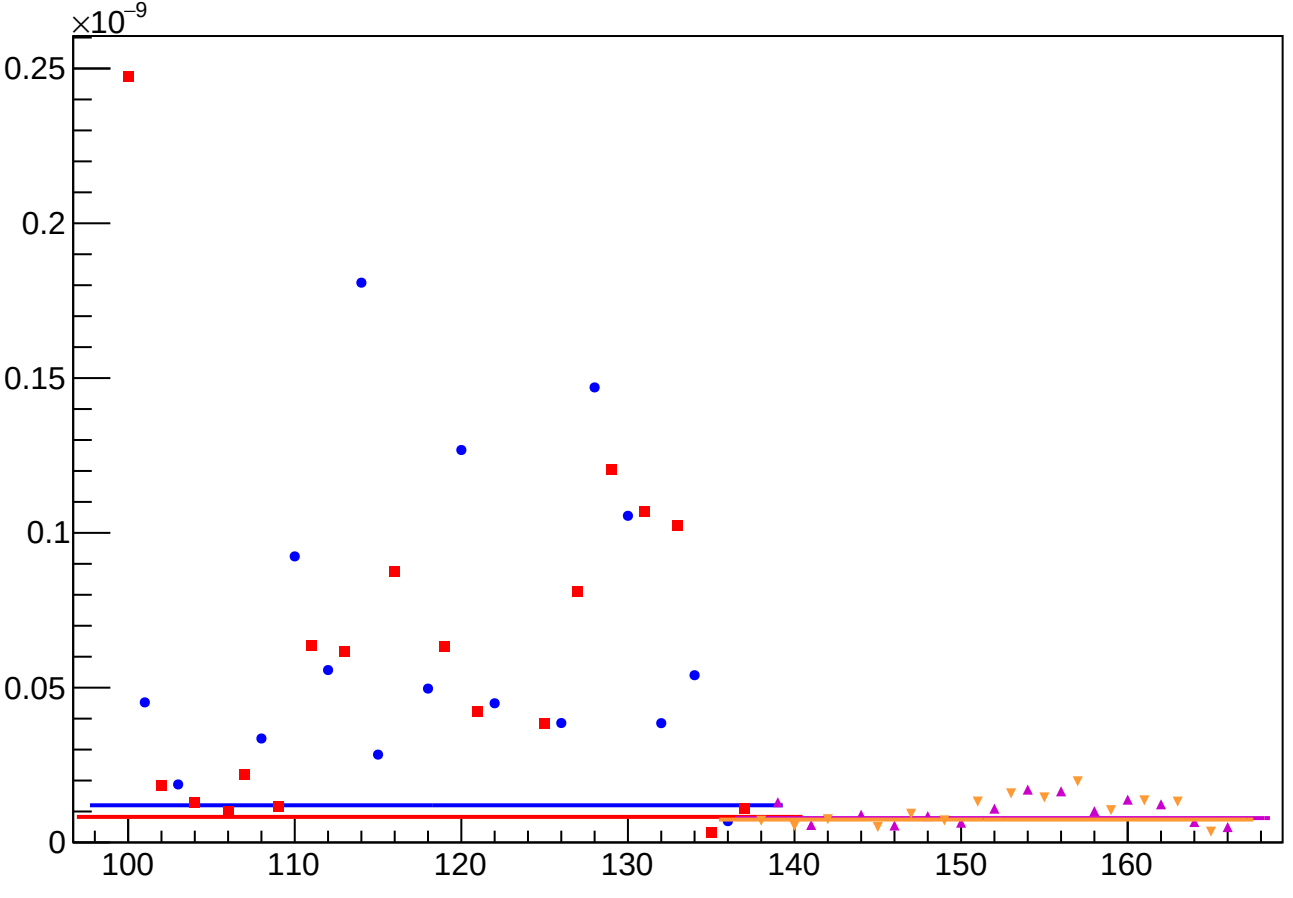
Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:23.1/29

Out: 0.000+/-0.000 χ^2/NDF:29.0/31

All: 0.000+/-0.000 χ^2/NDF: 53.4/61

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1724905.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1274859.8/13

Left: 0.000+/-0.000 χ^2/NDF: 3014543.1/27

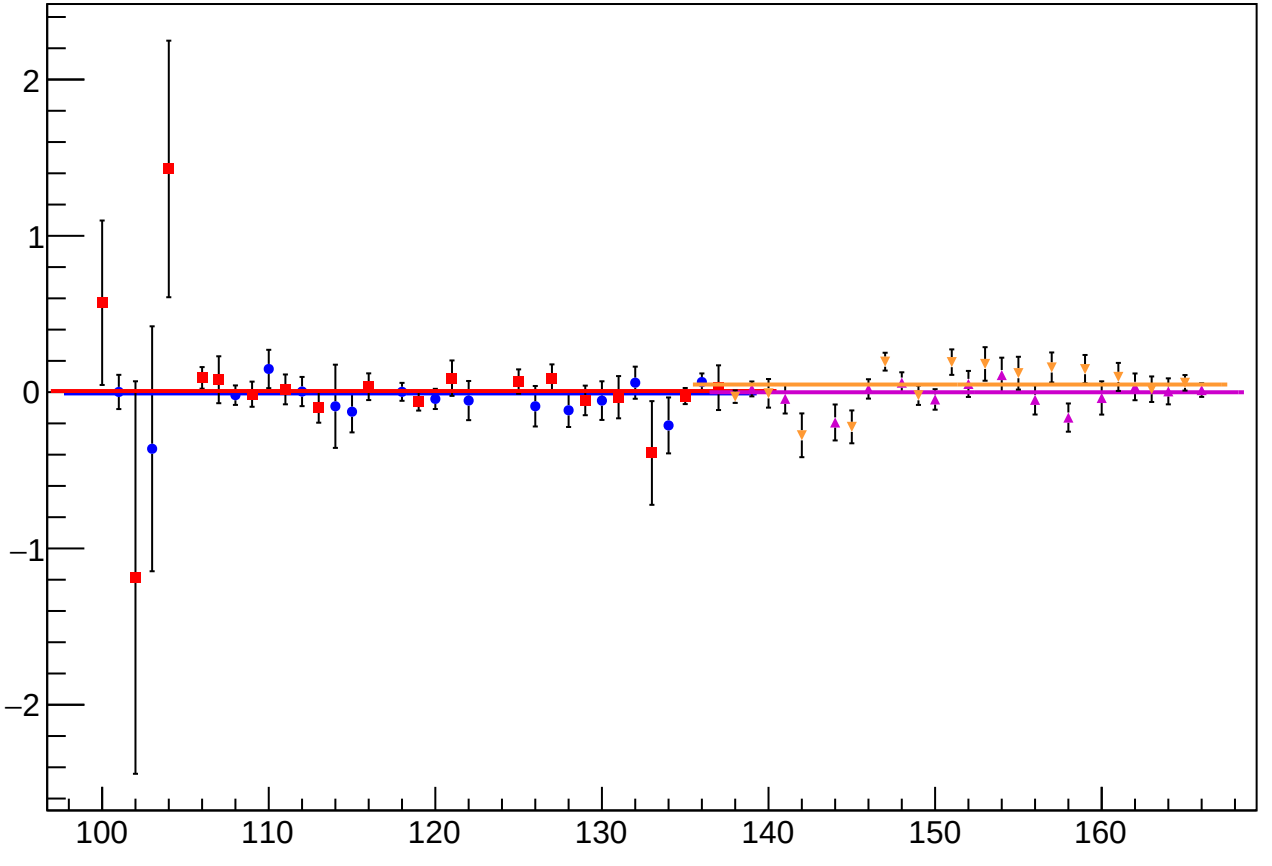
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4984428.0/29

Out: 0.000+/-0.000 χ^2/NDF:5251259.6/31

All: 0.000+/-0.000 χ^2/NDF: 10291334.8/61

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.024+/-0.014 χ^2/NDF: 45.3/27

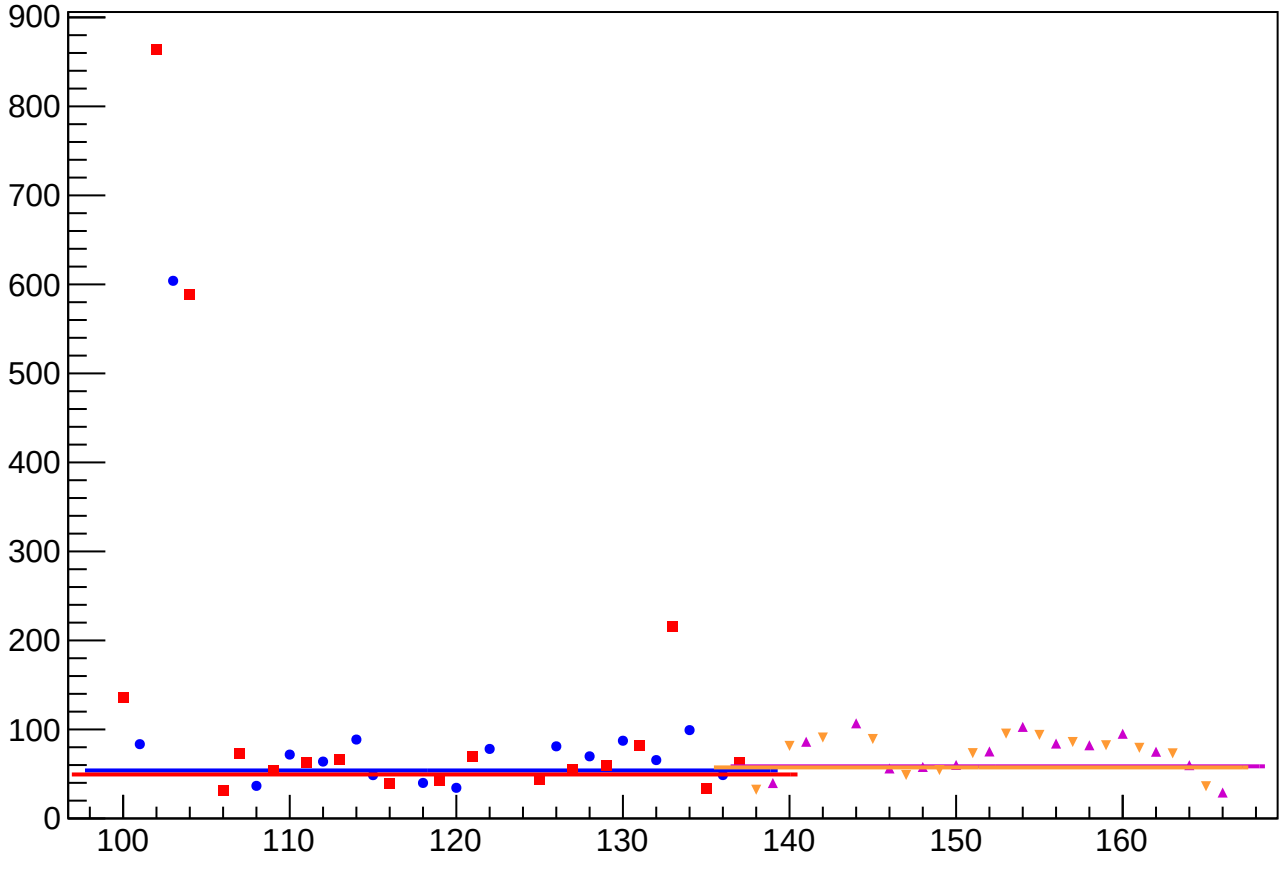
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.010 χ^2/NDF: 68.8/61

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.351+/-0.014 χ^2/NDF:2733232.3/13

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.574+/-0.014 χ^2/NDF:2749555.7/13

Left: 57.964+/-0.010 χ^2/NDF: 5486826.3/27

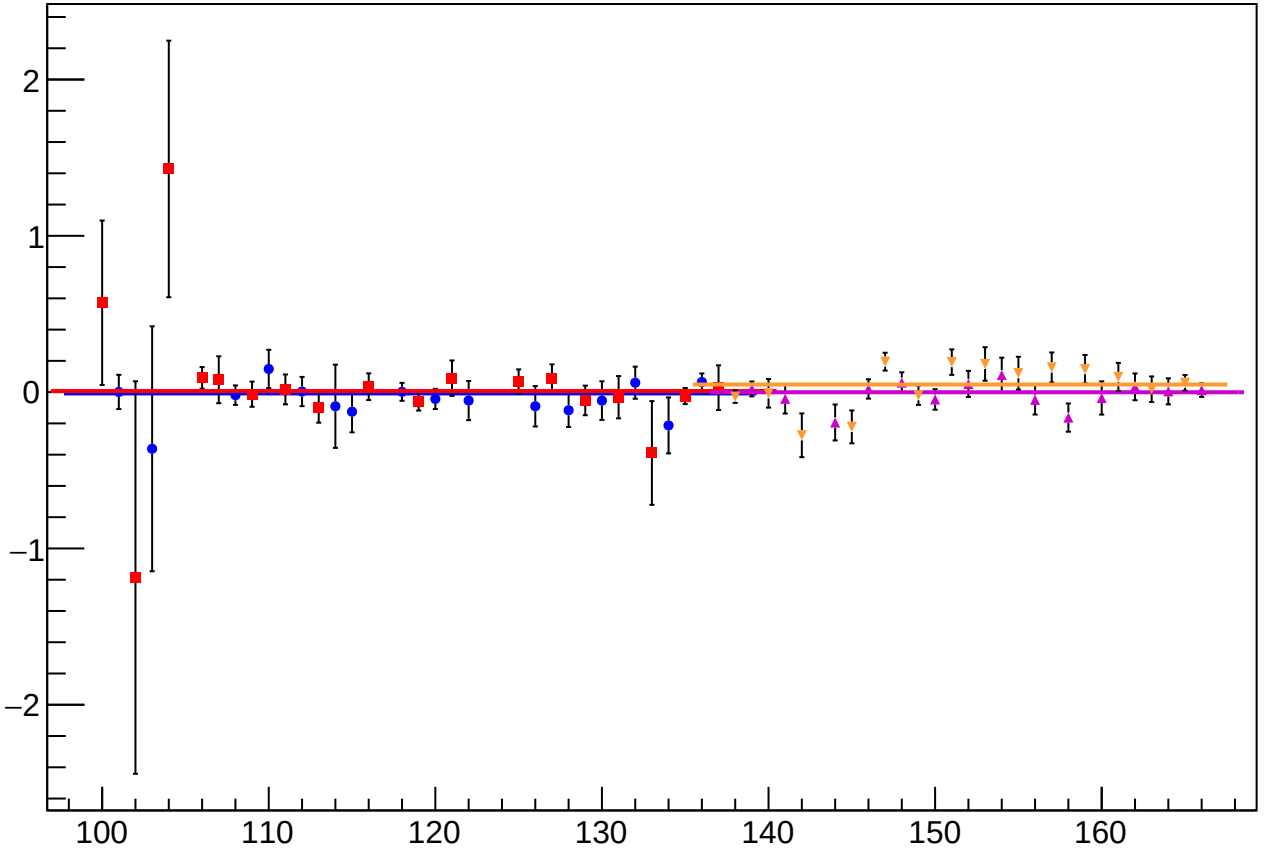
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.674+/-0.010 χ^2/NDF:5011734.8/29

Out: 53.949+/-0.010 χ^2/NDF:5896425.5/31

All: 55.291+/-0.007 χ^2/NDF: 10942679.2/61

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.024+/-0.014 χ^2/NDF: 45.3/27

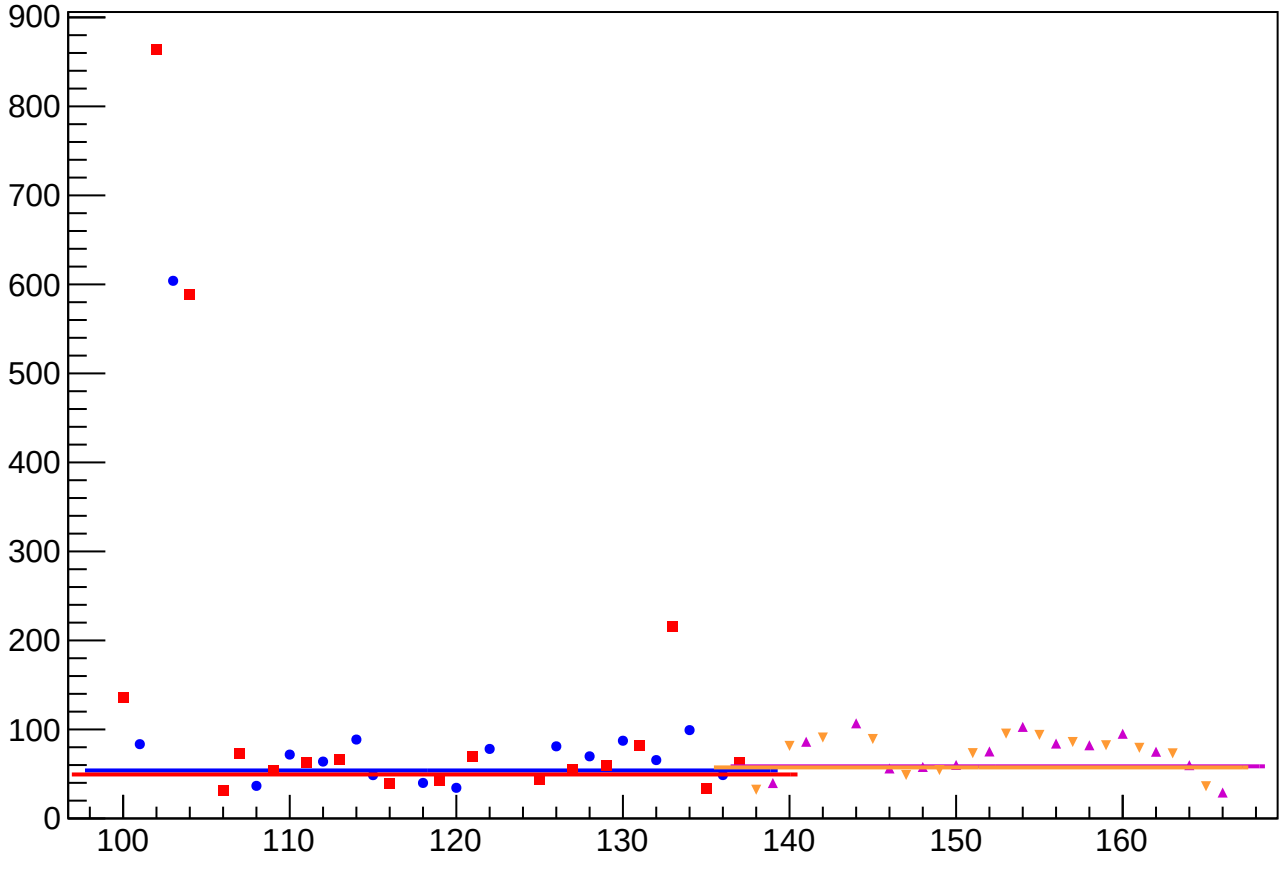
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.010 χ^2/NDF: 68.8/61

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.351+/-0.014 χ^2/NDF:2733232.3/13

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.574+/-0.014 χ^2/NDF:2749555.7/13

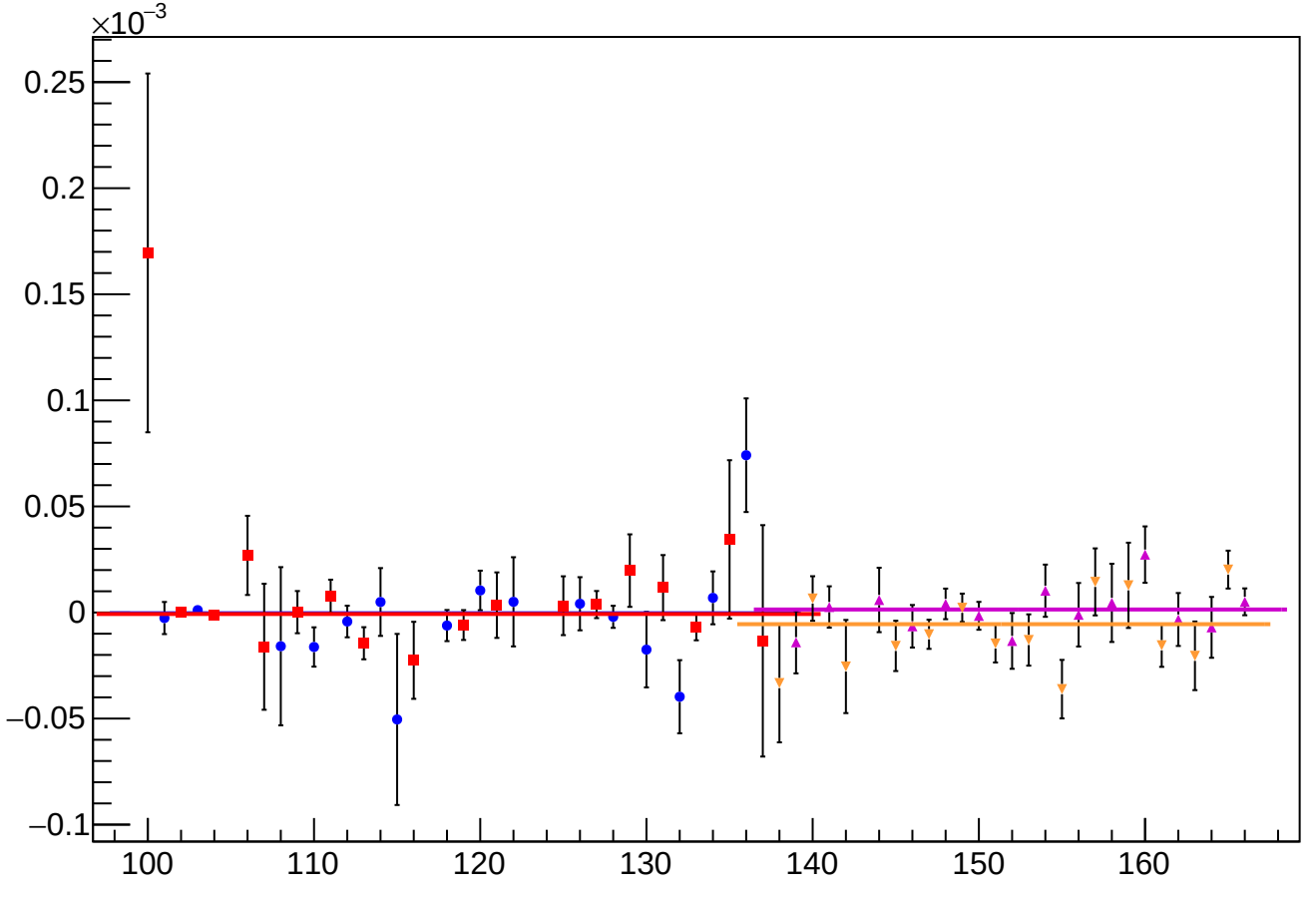
Left: 57.964+/-0.010 χ^2/NDF: 5486826.3/27

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.674+/-0.010 χ^2/NDF:5011734.8/29

Out: 53.949+/-0.010 χ^2/NDF:5896425.5/31

All: 55.291+/-0.007 χ^2/NDF: 10942679.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/13

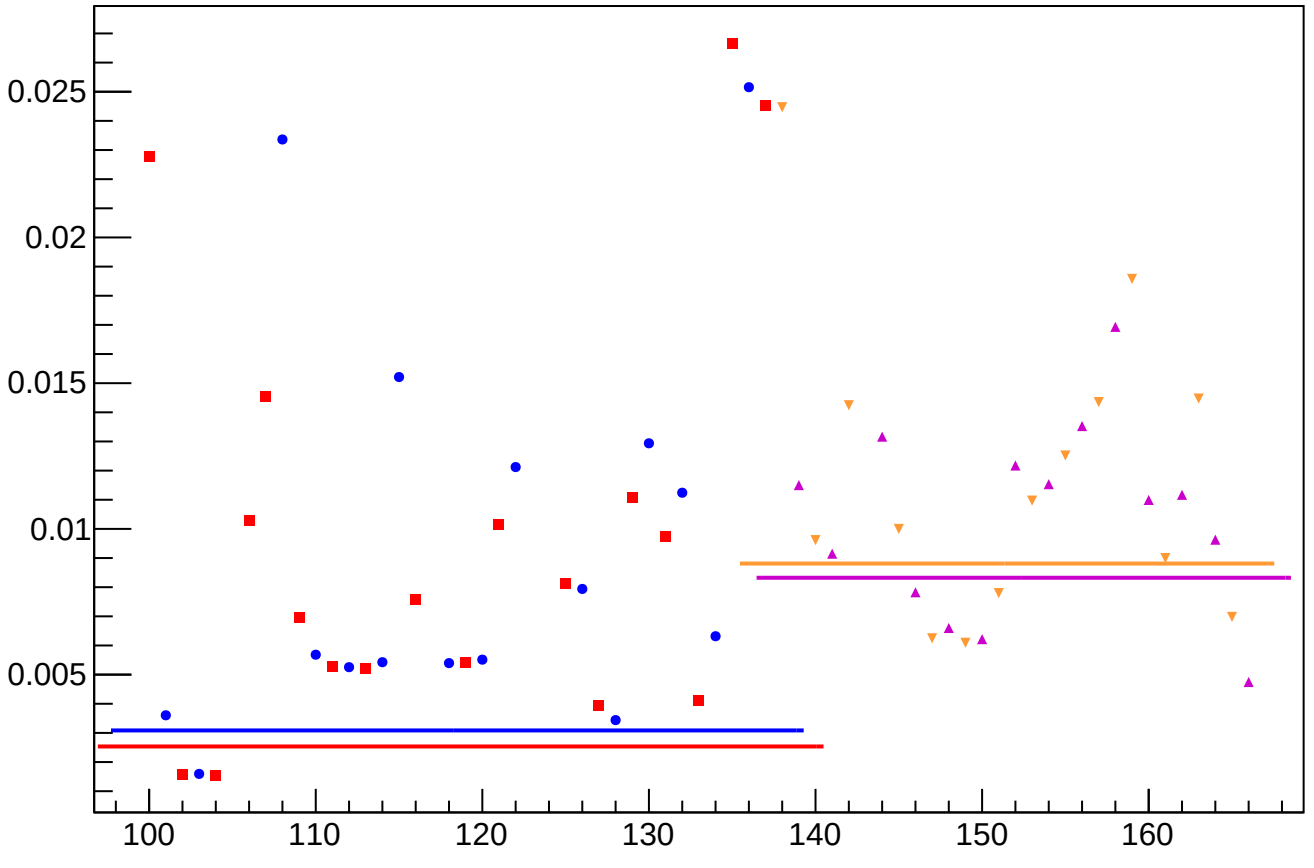
Left: -0.000+/-0.000 χ^2/NDF: 36.3/27

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

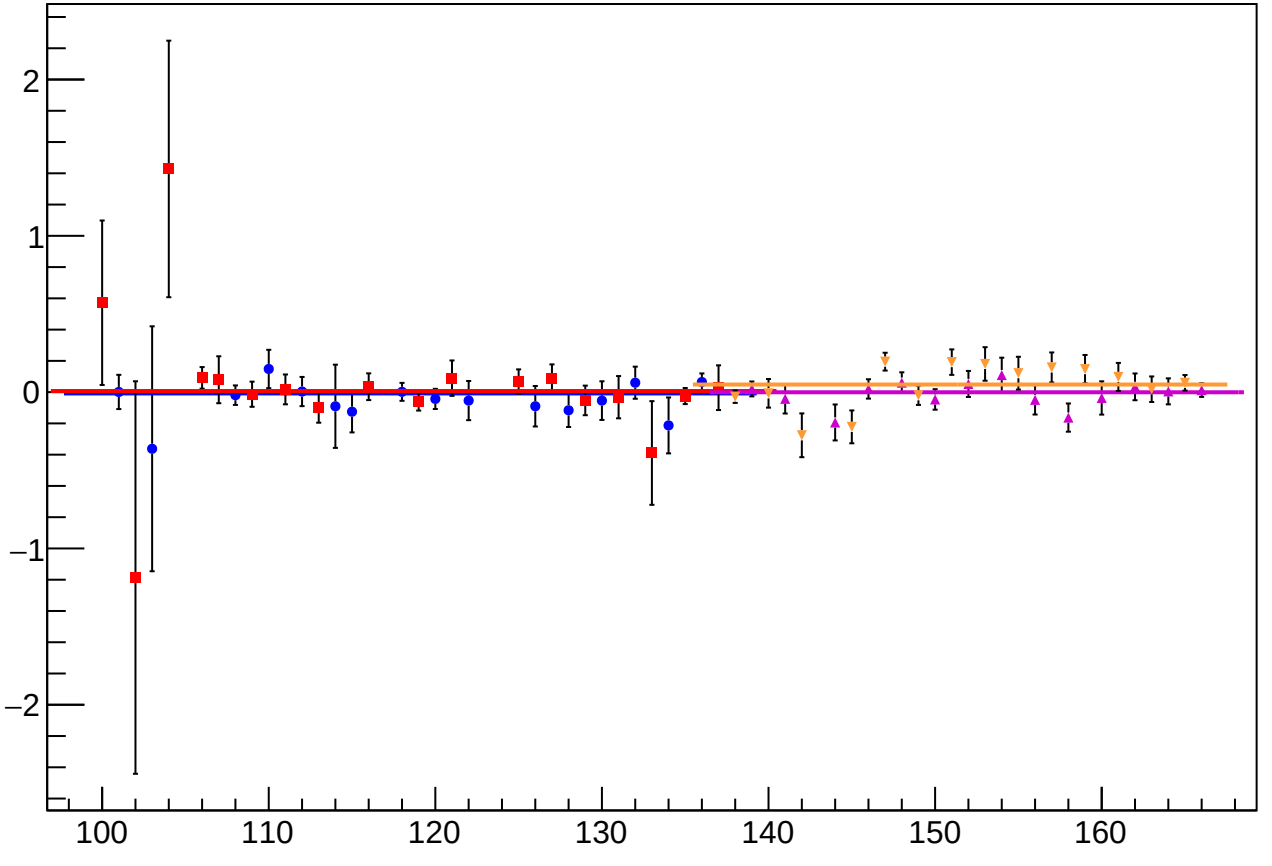
In: 0.000+/-0.000 χ^2/NDF:31.0/29

Out: -0.000+/-0.000 χ^2/NDF:44.8/31

All: -0.000+/-0.000 χ^2/NDF: 76.6/61


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.009+/-0.000 χ²/NDF:2676653.0/13
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.008+/-0.000 χ²/NDF:2462589.5/13
Left: 0.009+/-0.000 χ²/NDF: 5169364.7/27
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:13667516.1/29
Out: 0.004+/-0.000 χ²/NDF:16858648.9/31
All: 0.004+/-0.000 χ²/NDF: 31008565.7/61

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.024+/-0.014 χ^2/NDF: 45.3/27

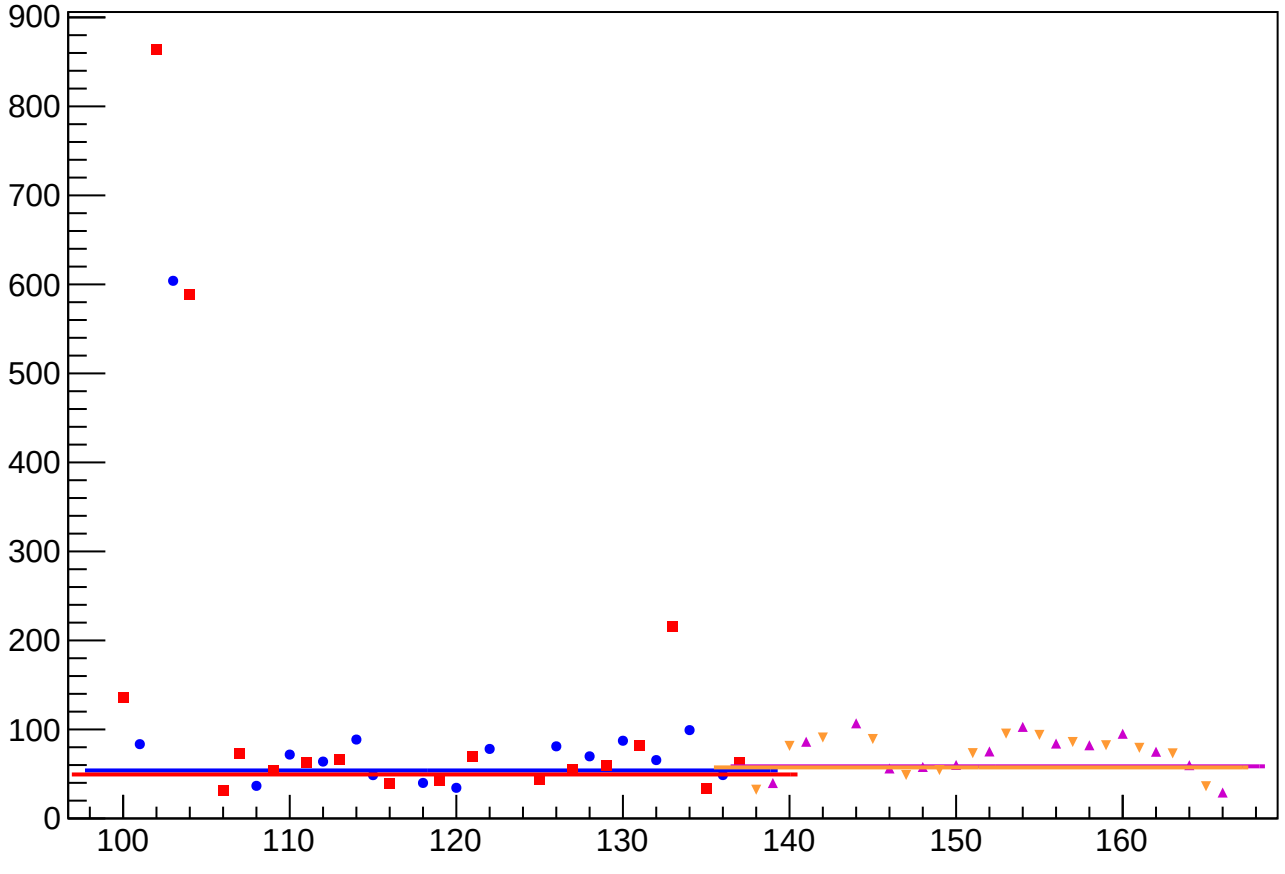
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.010 χ^2/NDF: 68.8/61

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.355+/-0.014 χ^2/NDF:2732209.7/13

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.575+/-0.014 χ^2/NDF:2749279.7/13

Left: 57.966+/-0.010 χ^2/NDF: 5485508.0/27

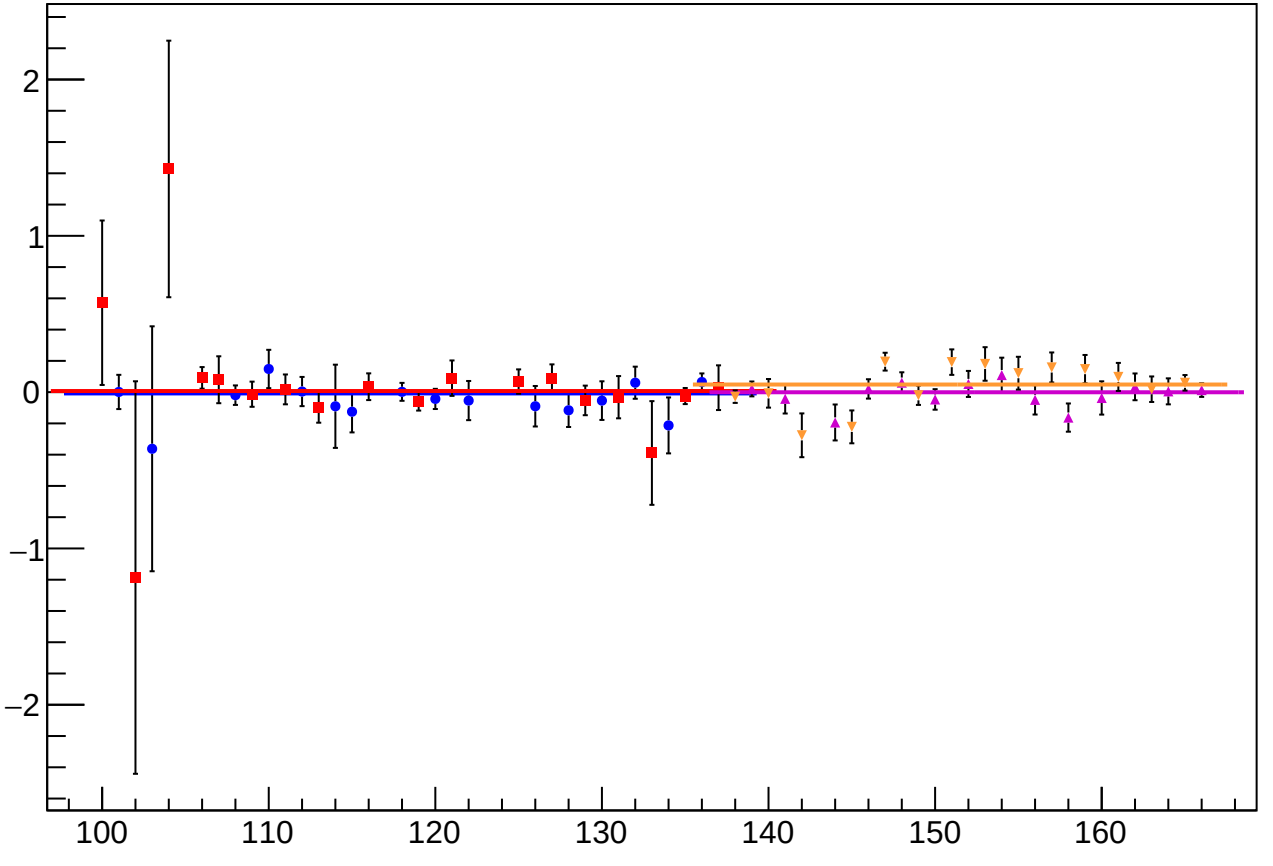
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.676+/-0.010 χ^2/NDF:5011008.2/29

Out: 53.952+/-0.010 χ^2/NDF:5895182.4/31

All: 55.293+/-0.007 χ^2/NDF: 10940681.4/61

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.019 χ^2/NDF:10.0/13

Left: 0.024+/-0.014 χ^2/NDF: 45.3/27

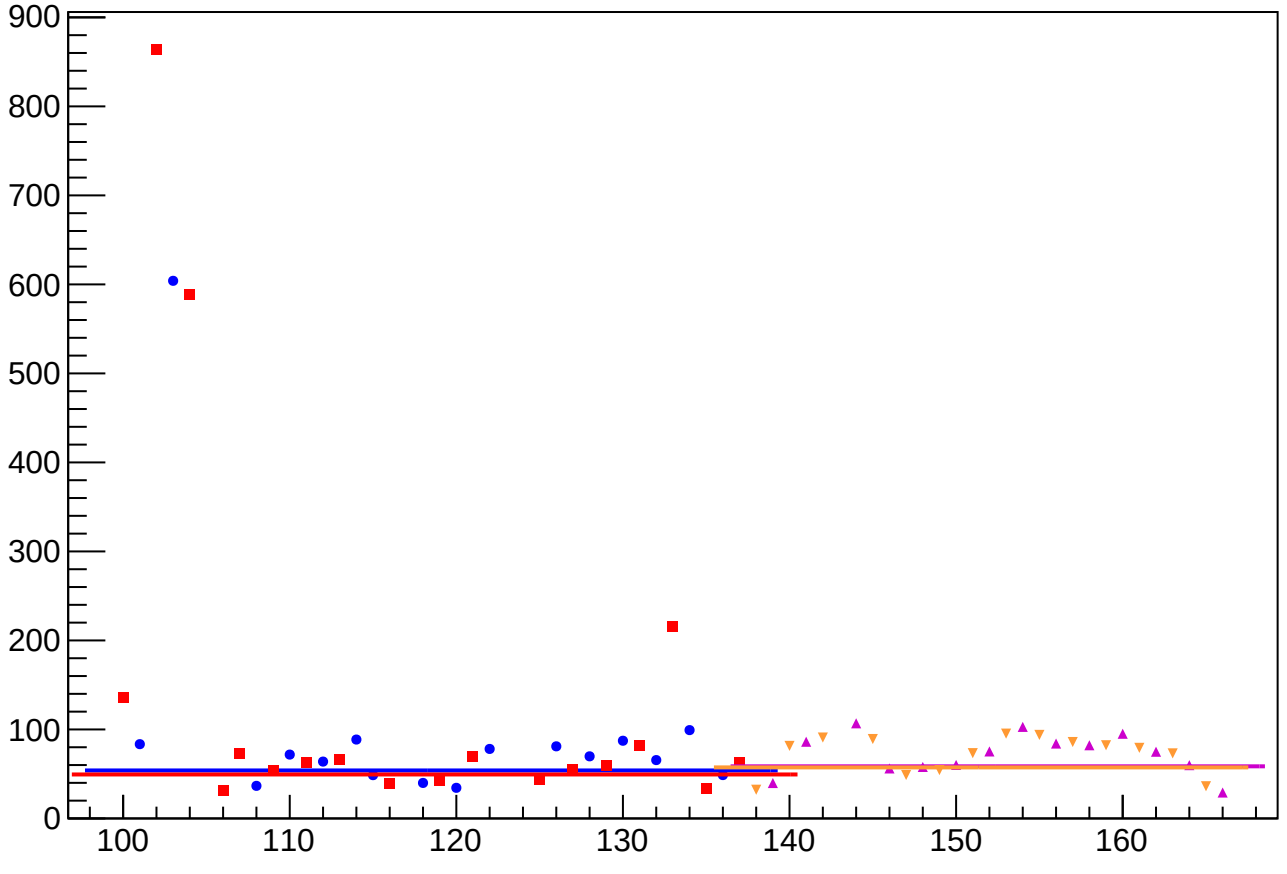
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.004+/-0.015 χ^2/NDF:18.3/29

Out: 0.031+/-0.015 χ^2/NDF:47.7/31

All: 0.014+/-0.010 χ^2/NDF: 68.8/61

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.355+/-0.014 χ^2/NDF:2732209.7/13

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.575+/-0.014 χ^2/NDF:2749279.7/13

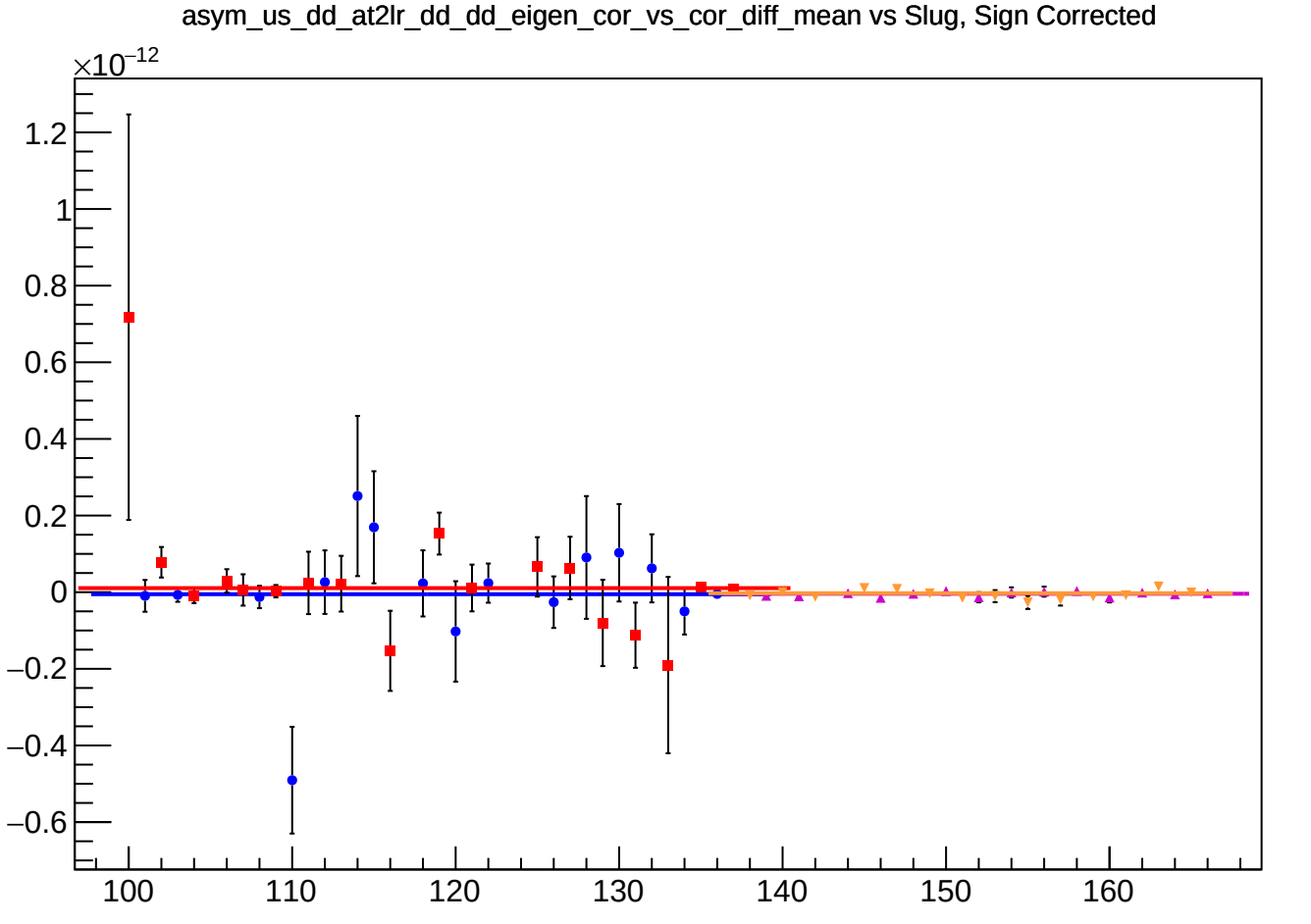
Left: 57.966+/-0.010 χ^2/NDF: 5485508.0/27

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.676+/-0.010 χ^2/NDF:5011008.2/29

Out: 53.952+/-0.010 χ^2/NDF:5895182.4/31

All: 55.293+/-0.007 χ^2/NDF: 10940681.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/13

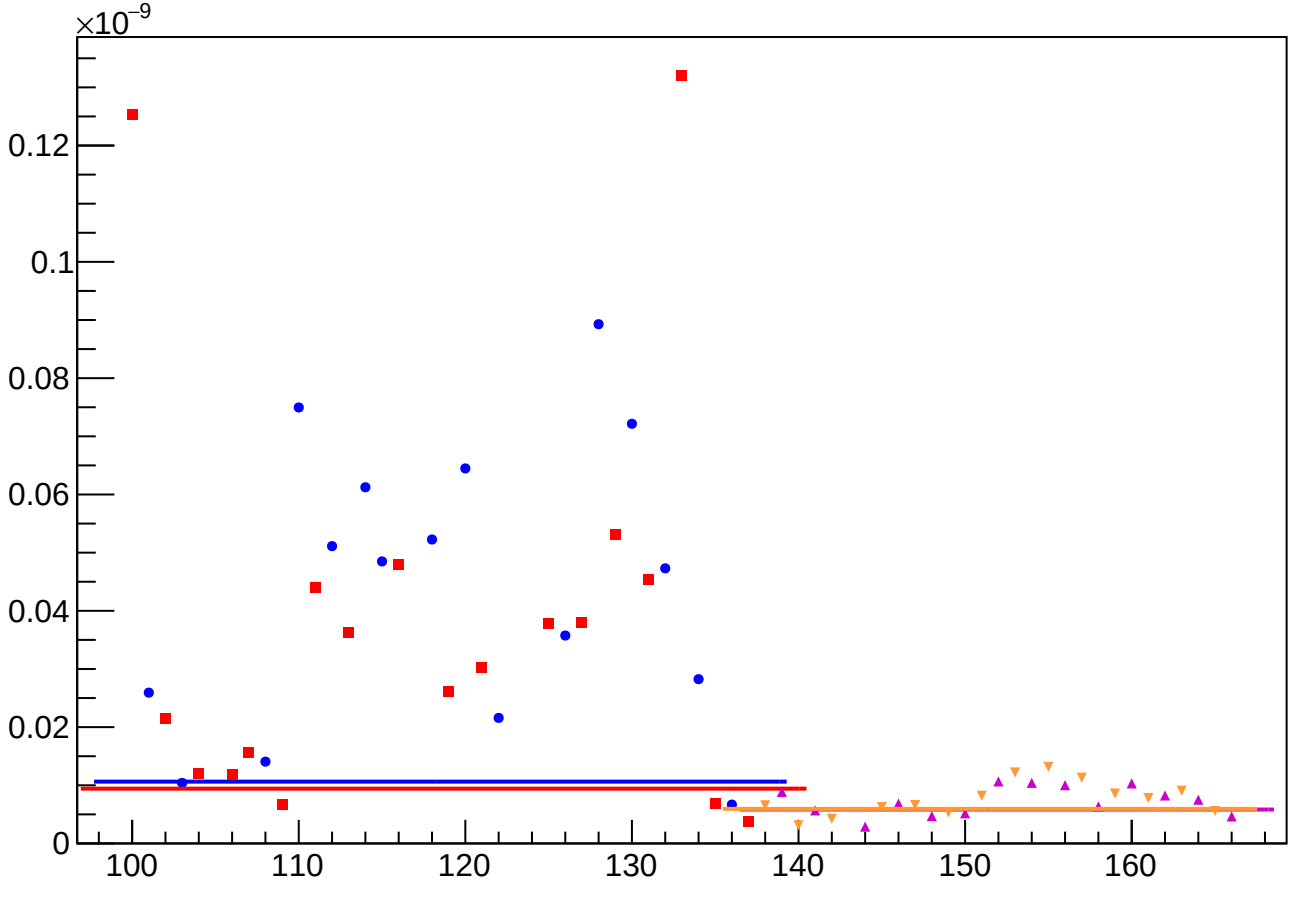
Left: -0.000+/-0.000 χ^2/NDF: 20.4/27

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.6/29

Out: -0.000+/-0.000 χ^2/NDF:38.0/31

All: -0.000+/-0.000 χ^2/NDF: 63.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2198323.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2118987.8/13

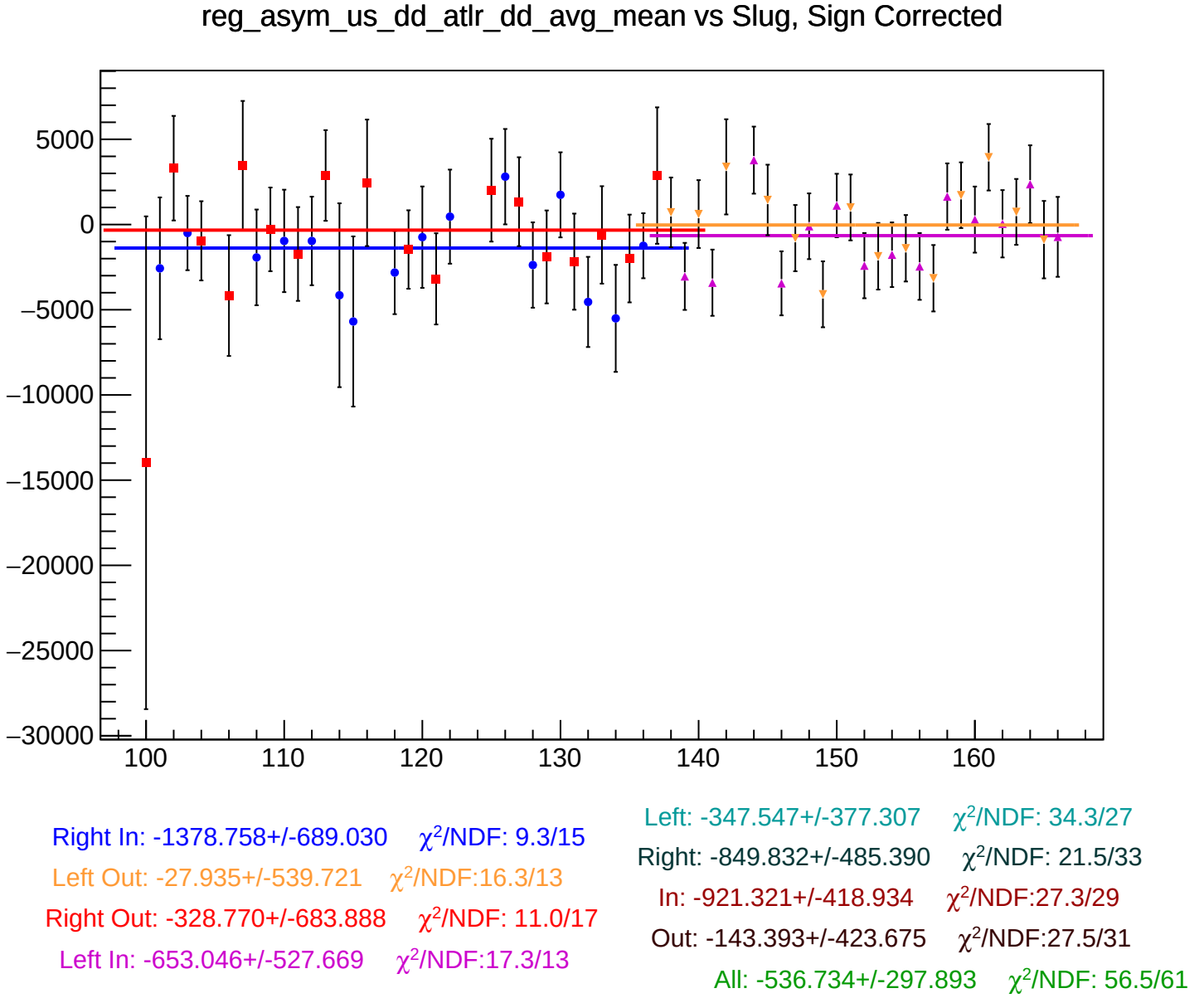
Left: 0.000+/-0.000 χ^2/NDF: 4319797.0/27

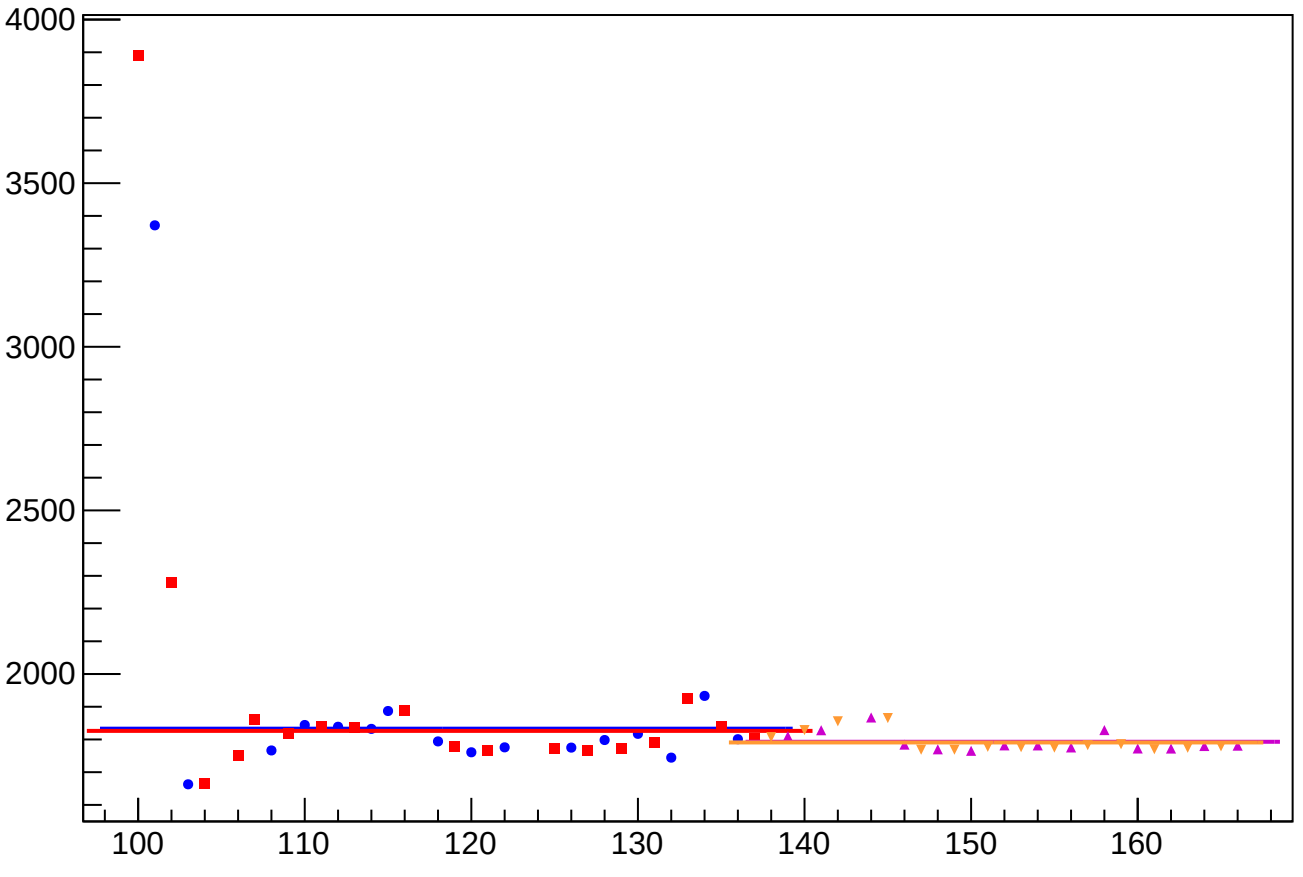
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7564267.4/29

Out: 0.000+/-0.000 χ^2/NDF:6738638.4/31

All: 0.000+/-0.000 χ^2/NDF: 14303601.2/61


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -27.935+/-539.721 χ²/NDF:16.3/13
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -653.046+/-527.669 χ²/NDF:17.3/13
Left: -347.547+/-377.307 χ²/NDF: 34.3/27
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -921.321+/-418.934 χ²/NDF:27.3/29
Out: -143.393+/-423.675 χ²/NDF:27.5/31
All: -536.734+/-297.893 χ²/NDF: 56.5/61



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

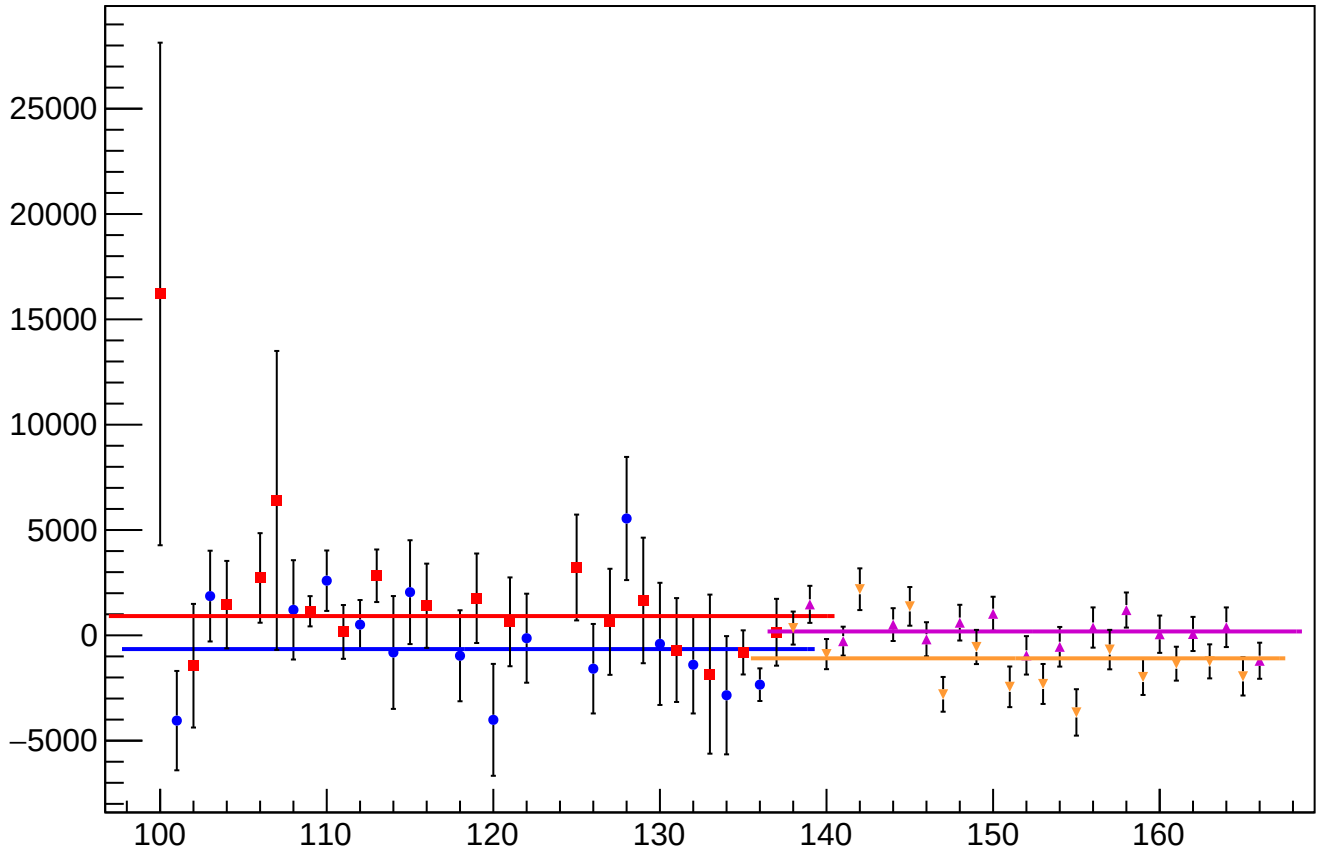
Left: 1791.914+/-0.267 χ^2/NDF: 11796.4/27

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1807.711+/-0.296 χ^2/NDF:305636.0/29

Out: 1804.433+/-0.300 χ^2/NDF:112138.1/31

All: 1806.091+/-0.211 χ^2/NDF: 417834.7/61



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1091.162+/-231.967 χ^2/NDF:37.7/13

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 184.479+/-225.455 χ^2/NDF:10.7/13

Left: -435.187+/-161.674 χ^2/NDF: 63.9/27

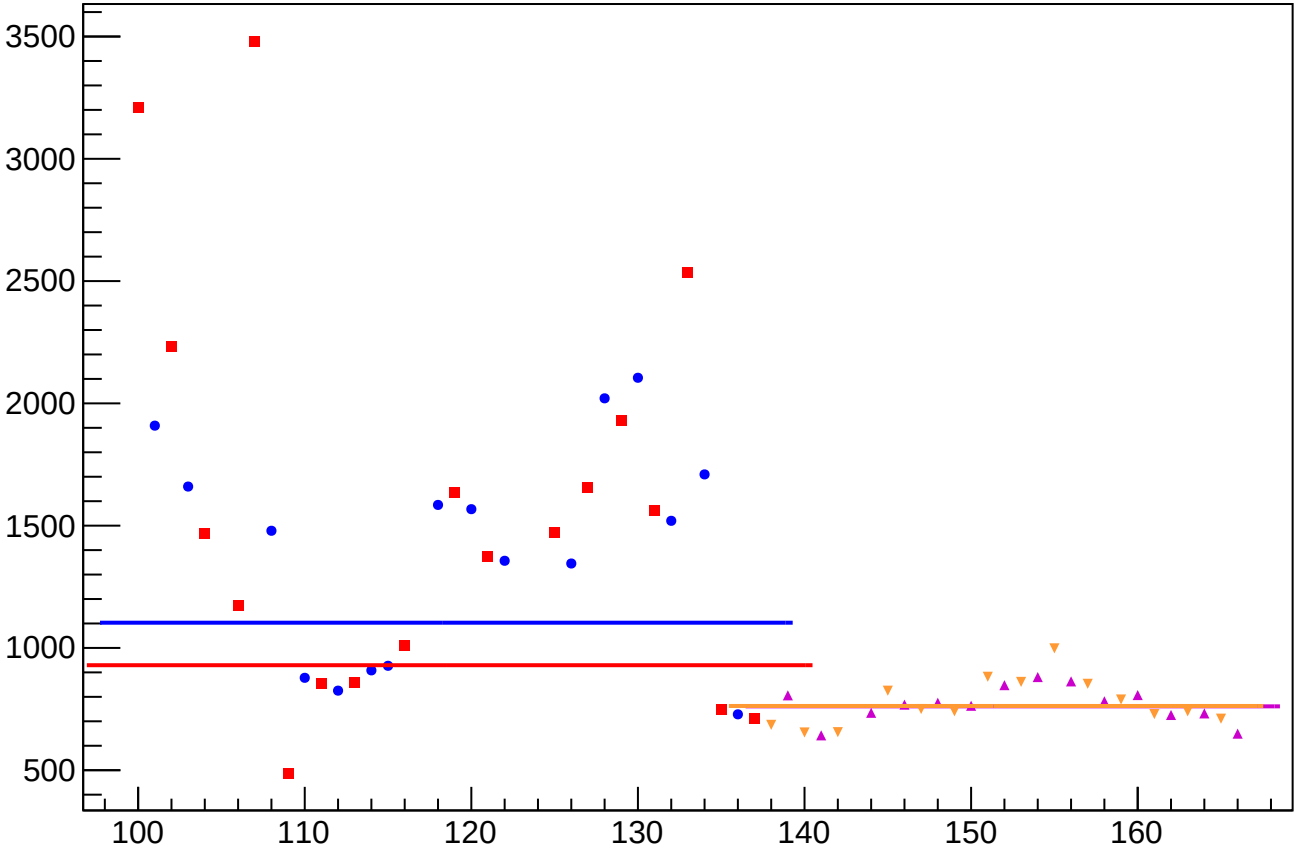
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 11.871+/-200.850 χ^2/NDF:36.8/29

Out: -573.716+/-199.819 χ^2/NDF:68.5/31

All: -282.428+/-141.657 χ^2/NDF: 109.6/61

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 762.652+/-0.164 χ^2/NDF:275561.1/13

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 761.136+/-0.159 χ^2/NDF:187636.0/13

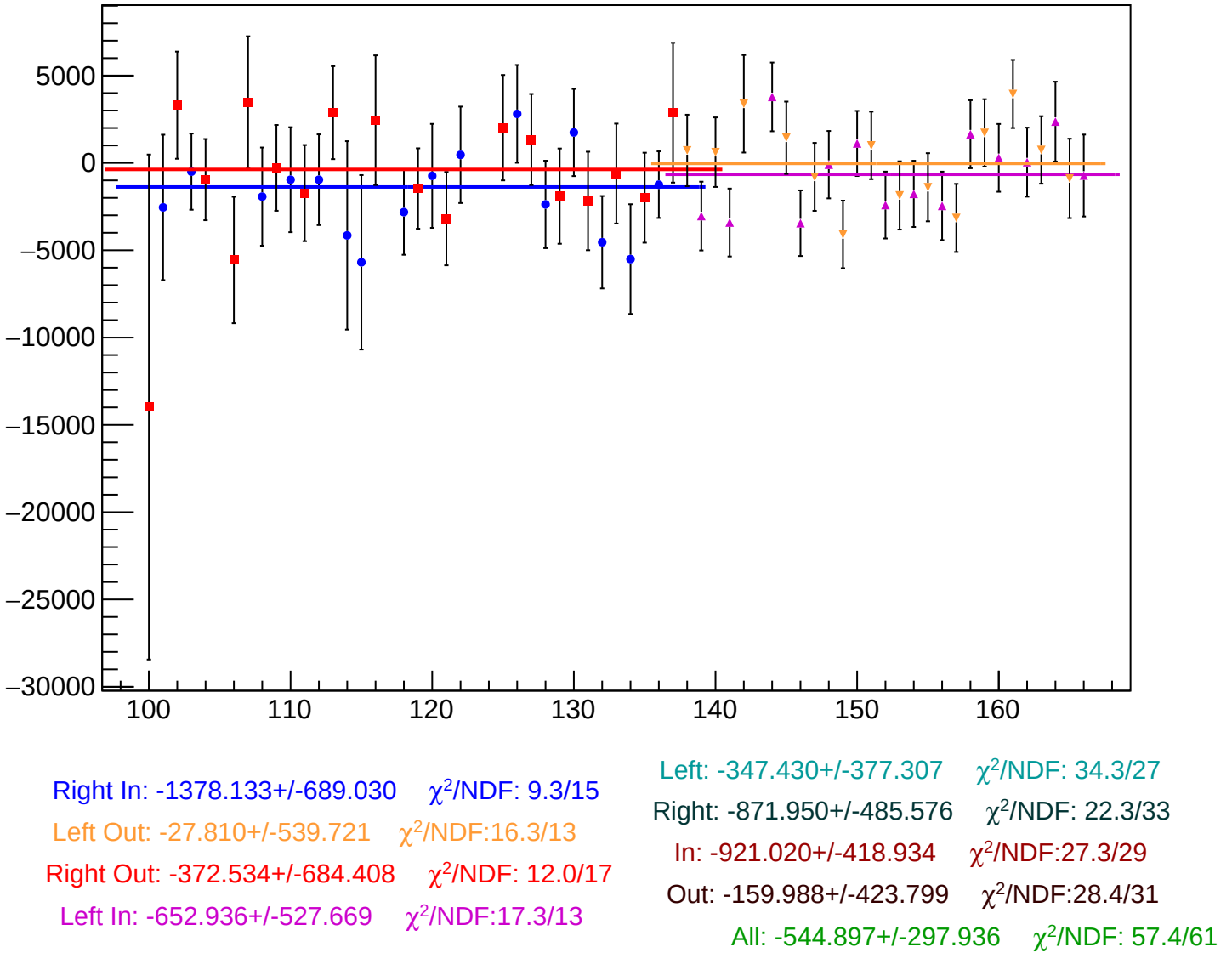
Left: 761.873+/-0.114 χ^2/NDF: 463241.1/27

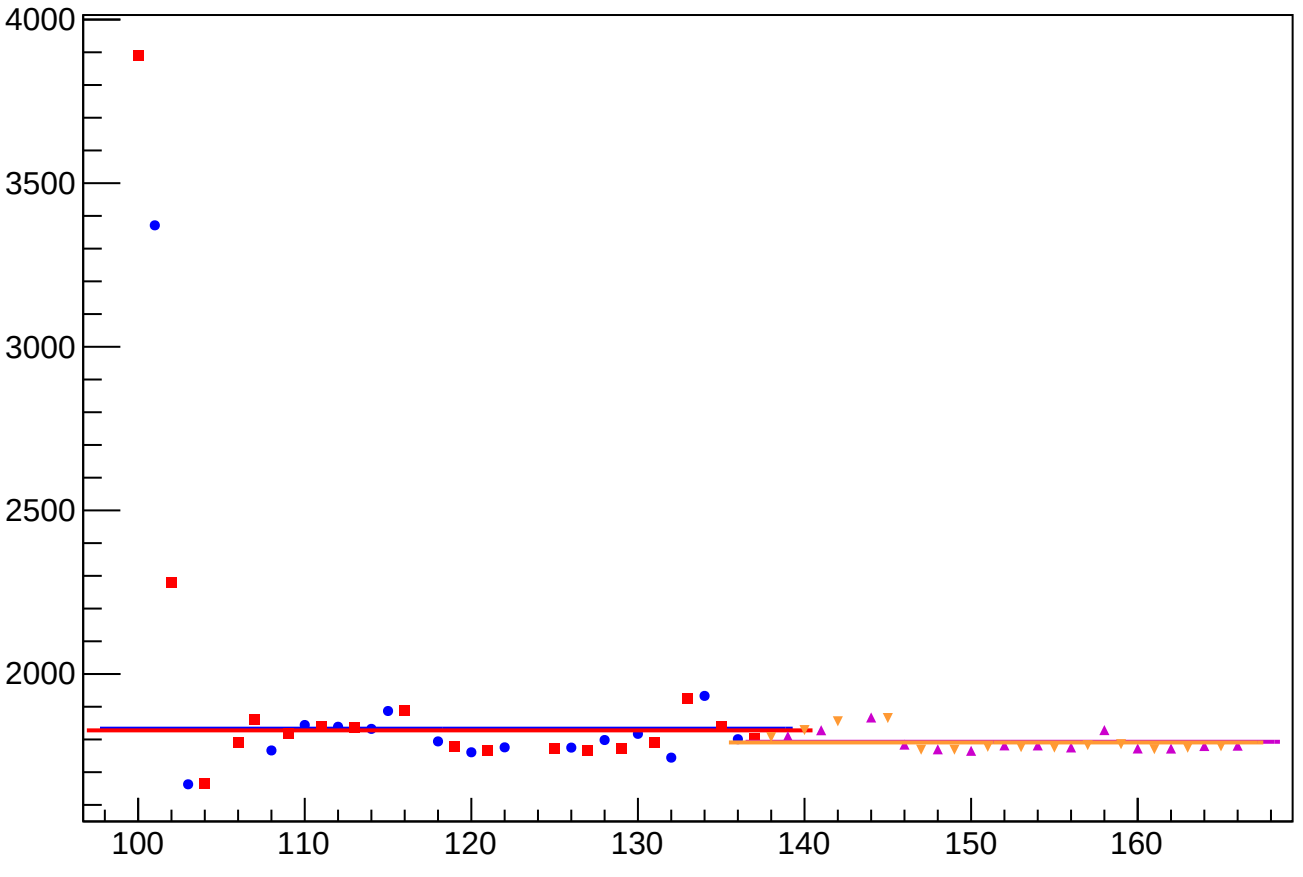
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 831.722+/-0.142 χ^2/NDF:3015792.4/29

Out: 805.656+/-0.141 χ^2/NDF:3596114.0/31

All: 818.622+/-0.100 χ^2/NDF: 6628835.7/61


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -27.810+/-539.721 χ²/NDF:16.3/13
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -652.936+/-527.669 χ²/NDF:17.3/13
Left: -347.430+/-377.307 χ²/NDF: 34.3/27
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -921.020+/-418.934 χ²/NDF:27.3/29
Out: -159.988+/-423.799 χ²/NDF:28.4/31
All: -544.897+/-297.936 χ²/NDF: 57.4/61



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

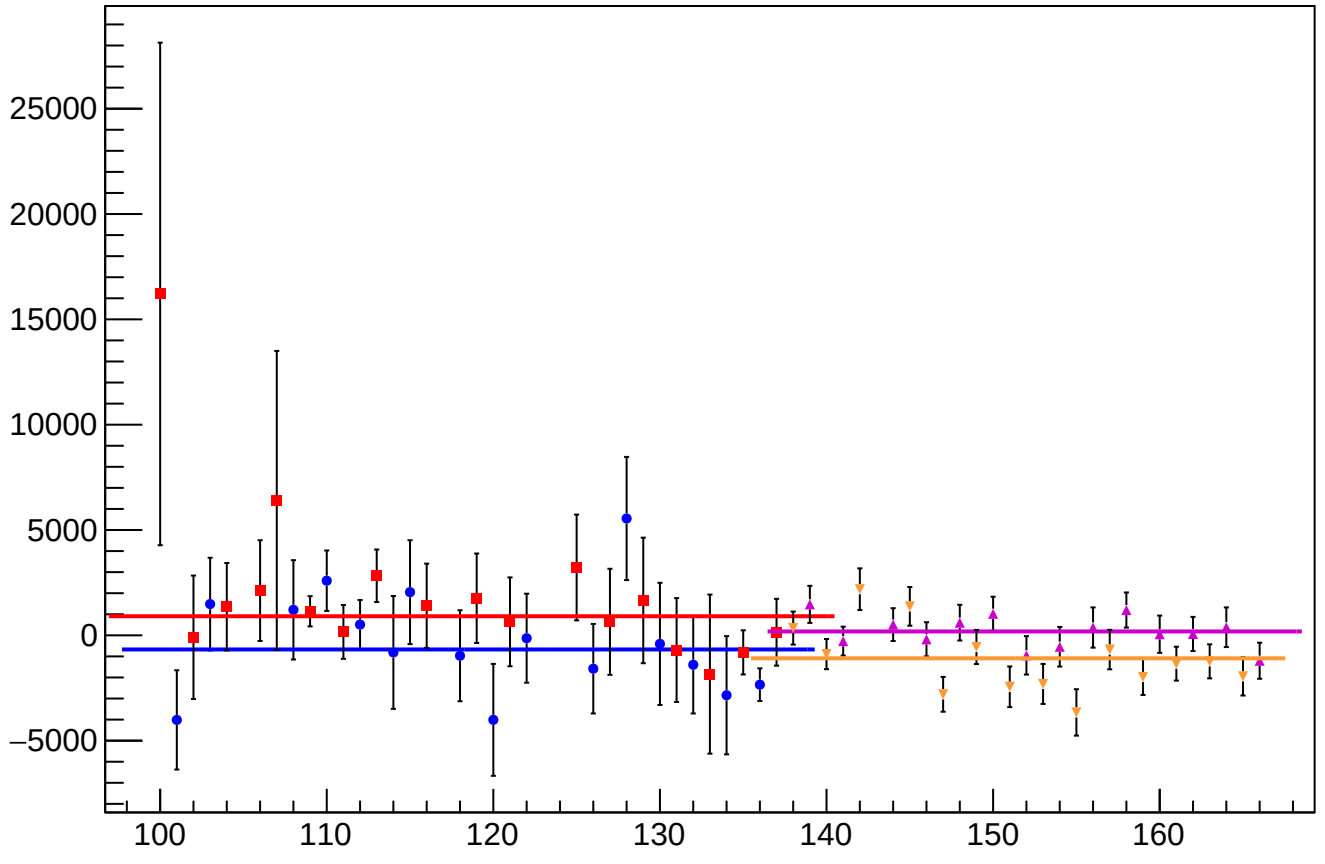
Left: 1791.914+/-0.267 χ^2/NDF: 11796.4/27

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1807.711+/-0.296 χ^2/NDF:305637.9/29

Out: 1805.025+/-0.300 χ^2/NDF:111698.7/31

All: 1806.384+/-0.211 χ^2/NDF: 417377.2/61



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 184.393+/-225.456 χ^2/NDF:10.7/13

Left: -435.217+/-161.675 χ^2/NDF: 63.9/27

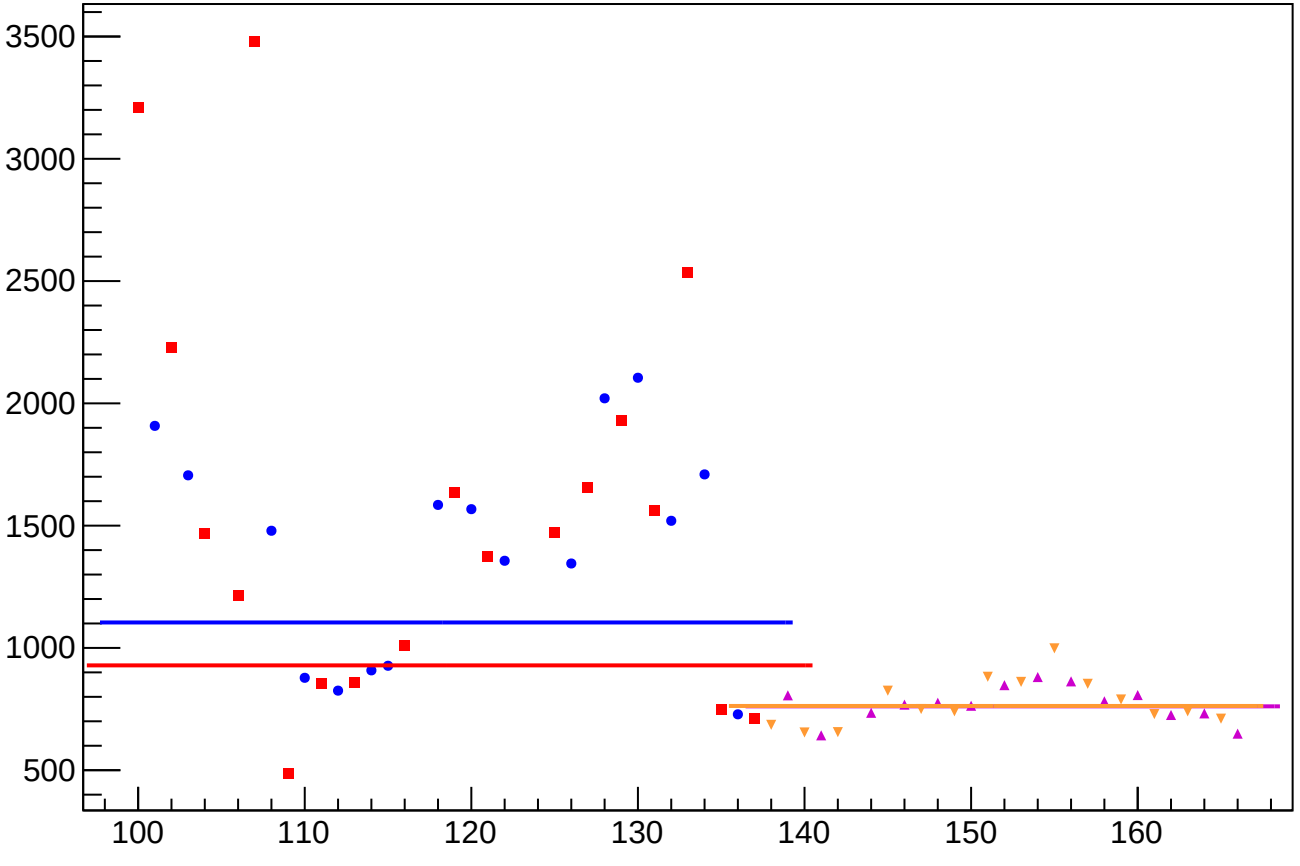
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 8.199+/-200.885 χ^2/NDF:36.4/29

Out: -578.672+/-200.002 χ^2/NDF:67.2/31

All: -286.528+/-141.734 χ^2/NDF: 107.9/61

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 761.137+/-0.159 χ^2/NDF:187702.2/13

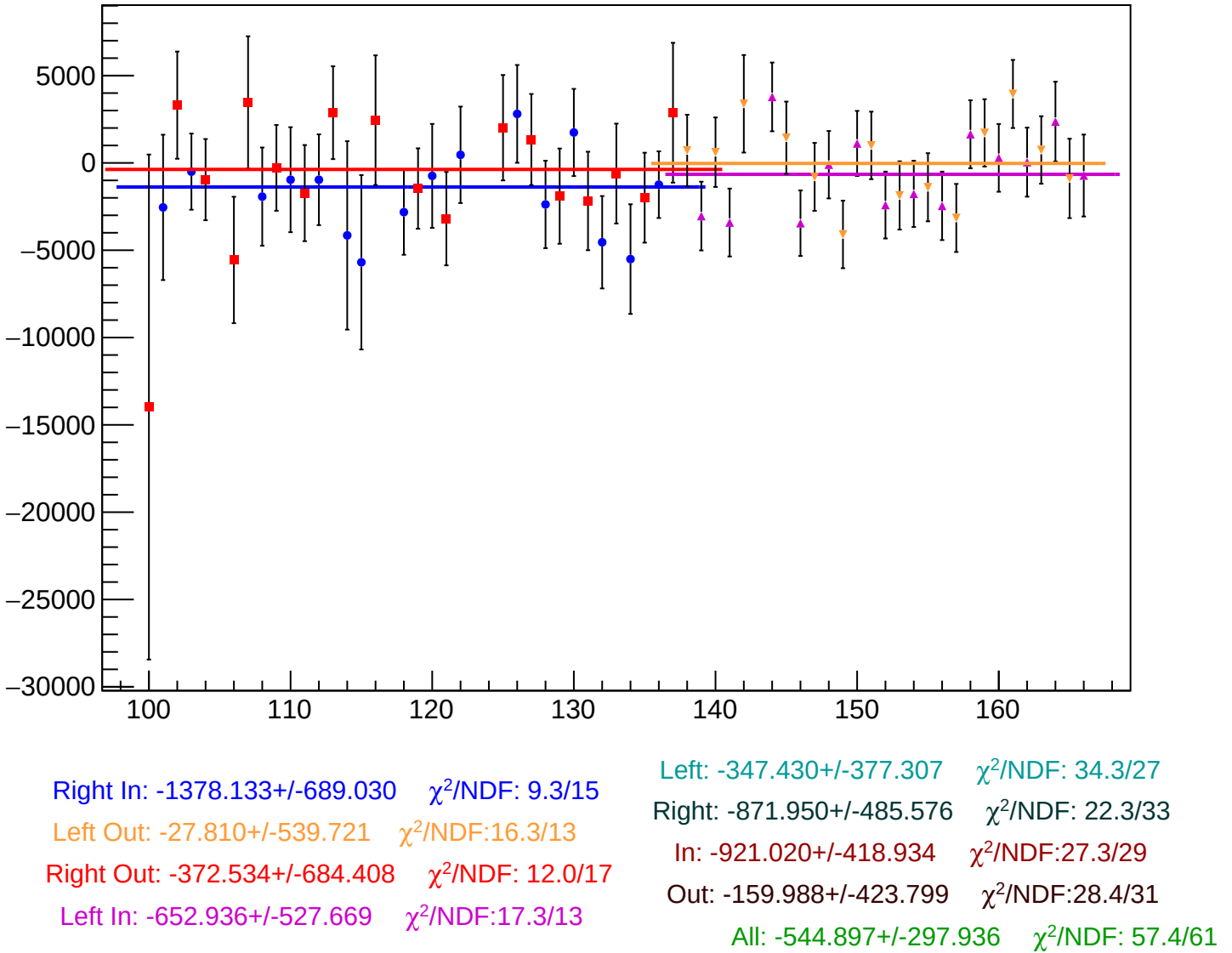
Left: 761.876+/-0.114 χ^2/NDF: 463277.8/27

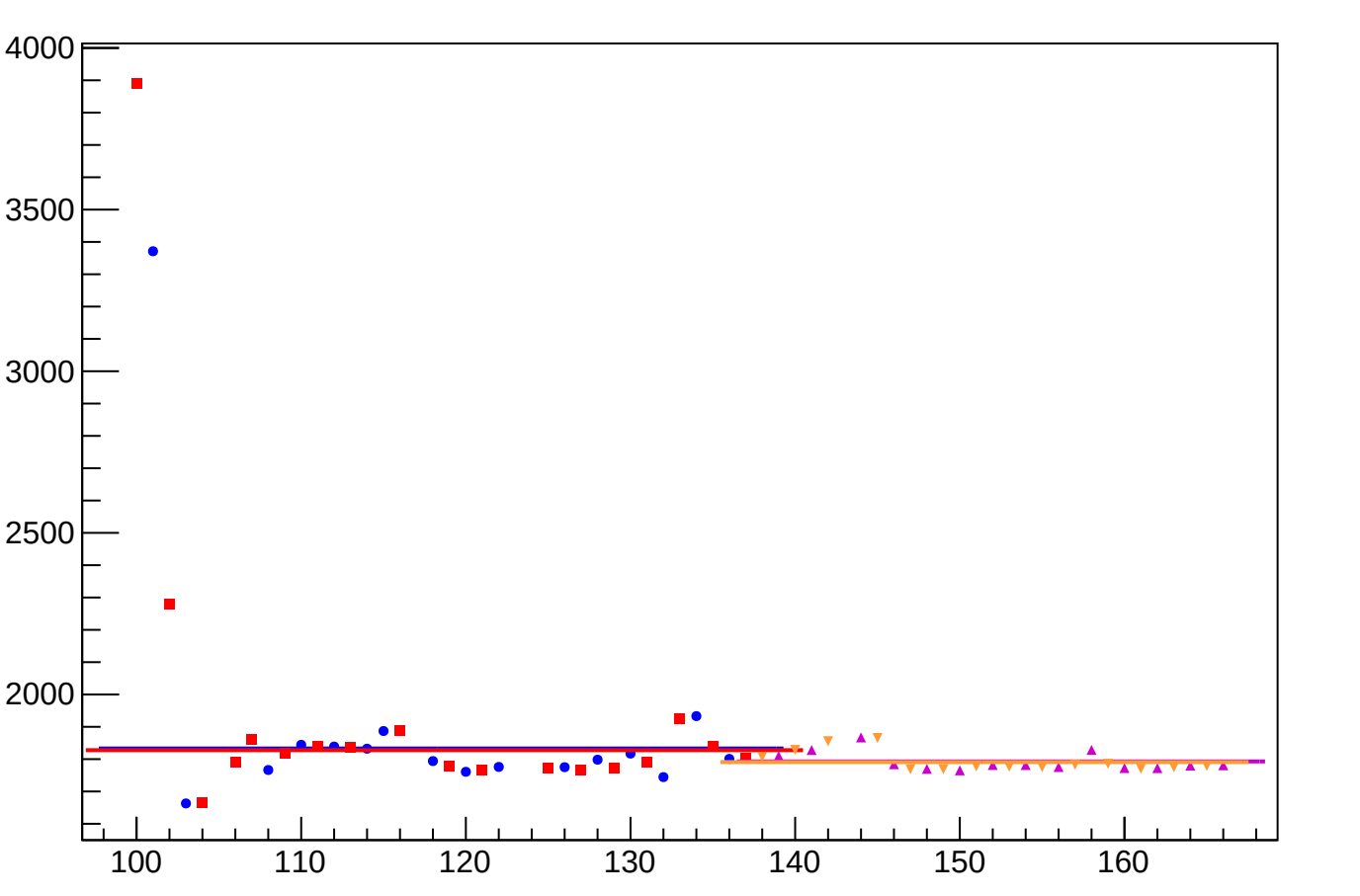
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 831.819+/-0.142 χ^2/NDF:3036000.4/29

Out: 805.248+/-0.141 χ^2/NDF:3592651.8/31

All: 818.475+/-0.100 χ^2/NDF: 6646224.3/61


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -27.810+/-539.721 χ²/NDF:16.3/13
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -652.936+/-527.669 χ²/NDF:17.3/13
Left: -347.430+/-377.307 χ²/NDF: 34.3/27
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -921.020+/-418.934 χ²/NDF:27.3/29
Out: -159.988+/-423.799 χ²/NDF:28.4/31
All: -544.897+/-297.936 χ²/NDF: 57.4/61



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1792.911+/-0.373 χ^2/NDF:5940.5/13

Left: 1791.914+/-0.267 χ^2/NDF: 11796.4/27

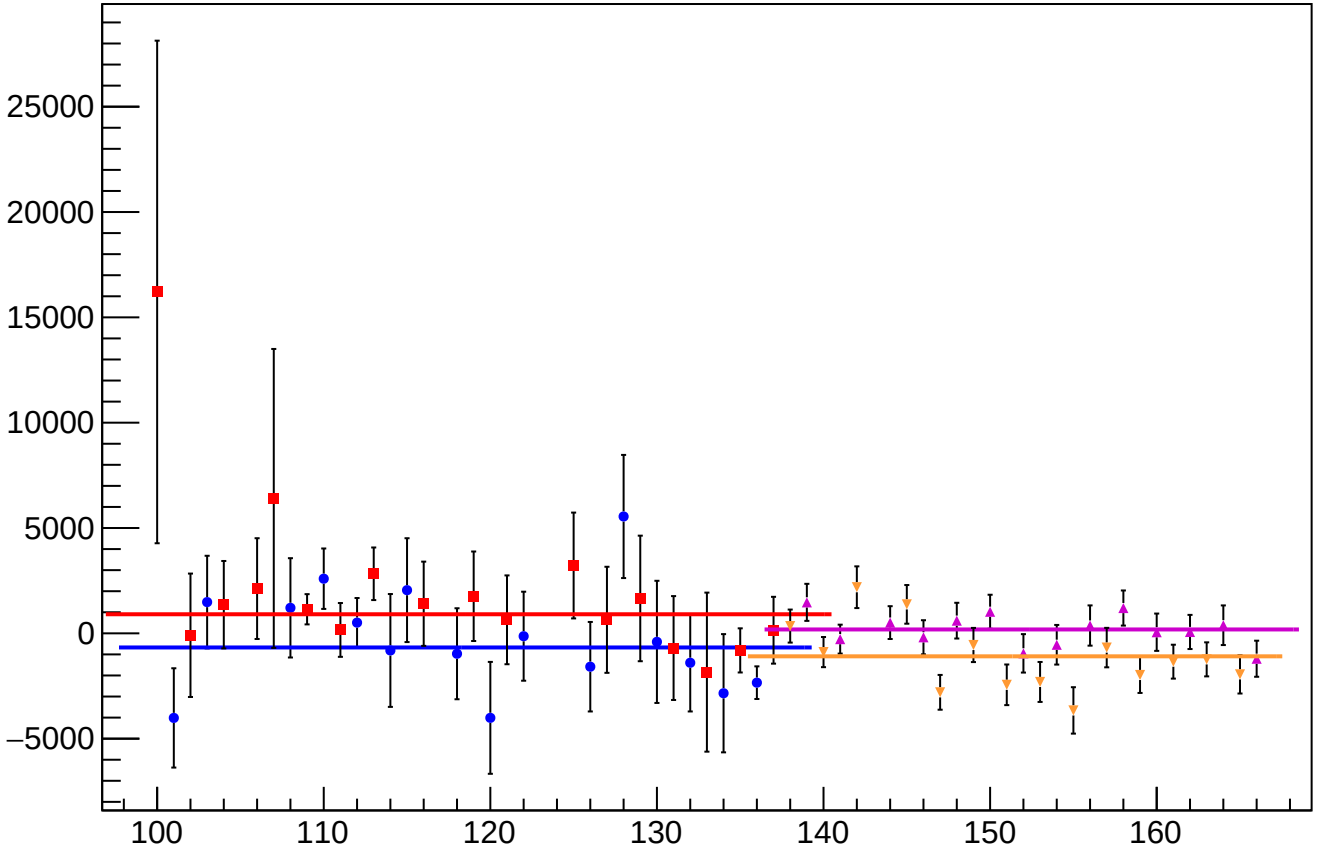
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1807.711+/-0.296 χ^2/NDF:305637.9/29

Out: 1805.025+/-0.300 χ^2/NDF:111698.7/31

All: 1806.384+/-0.211 χ^2/NDF: 417377.2/61

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 184.393+/-225.456 χ^2/NDF:10.7/13

Left: -435.217+/-161.675 χ^2/NDF: 63.9/27

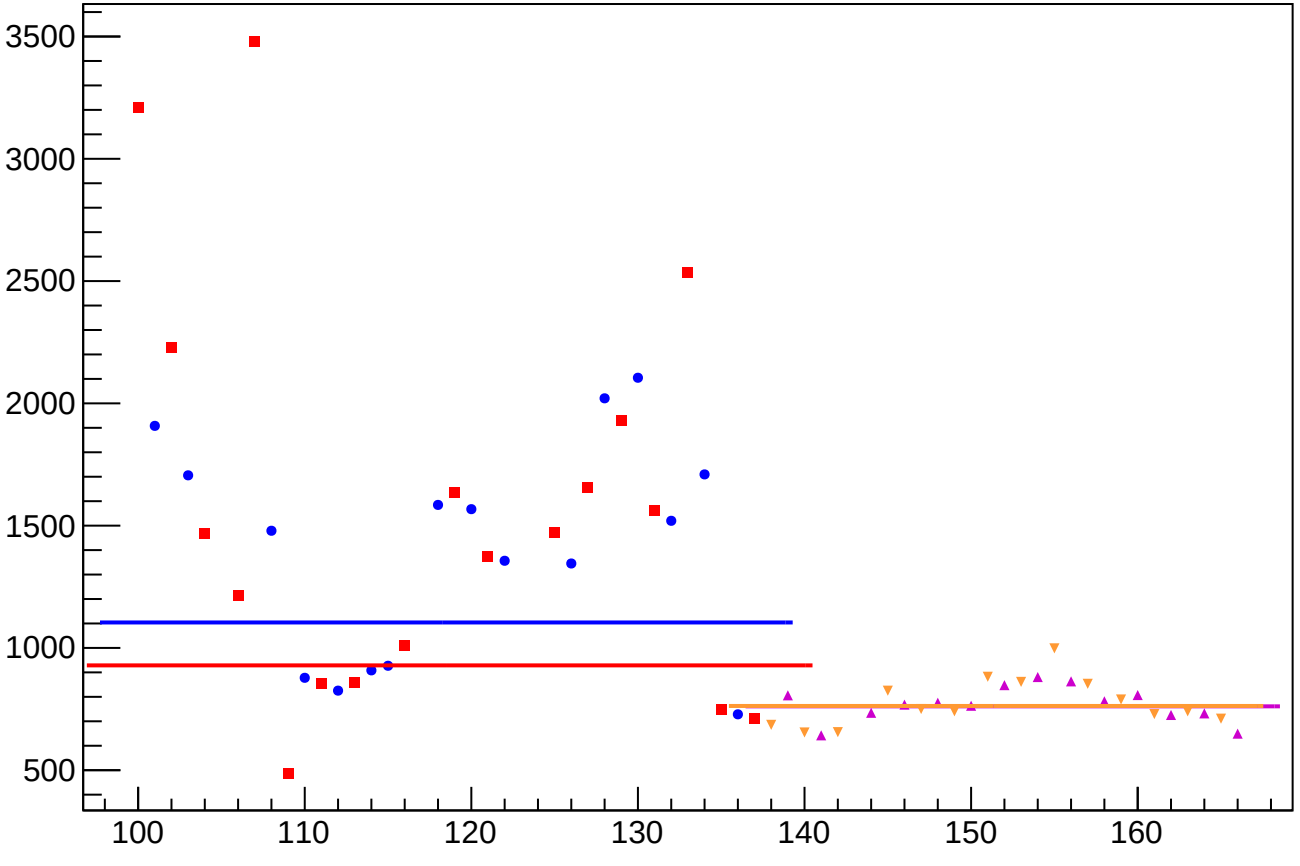
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 8.199+/-200.885 χ^2/NDF:36.4/29

Out: -578.672+/-200.002 χ^2/NDF:67.2/31

All: -286.528+/-141.734 χ^2/NDF: 107.9/61

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 761.137+/-0.159 χ^2/NDF:187702.2/13

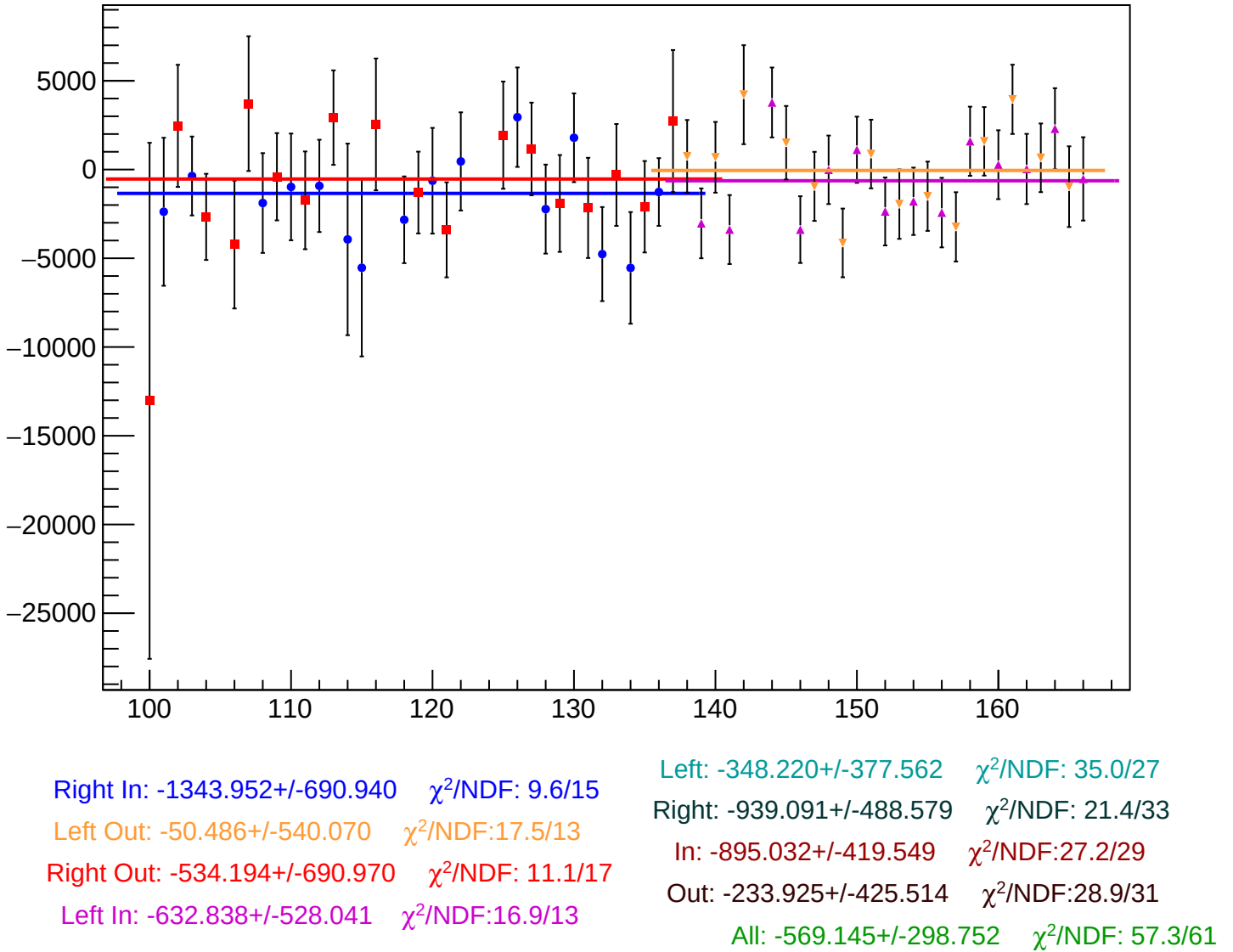
Left: 761.876+/-0.114 χ^2/NDF: 463277.8/27

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 831.819+/-0.142 χ^2/NDF:3036000.4/29

Out: 805.248+/-0.141 χ^2/NDF:3592651.8/31

All: 818.475+/-0.100 χ^2/NDF: 6646224.3/61


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
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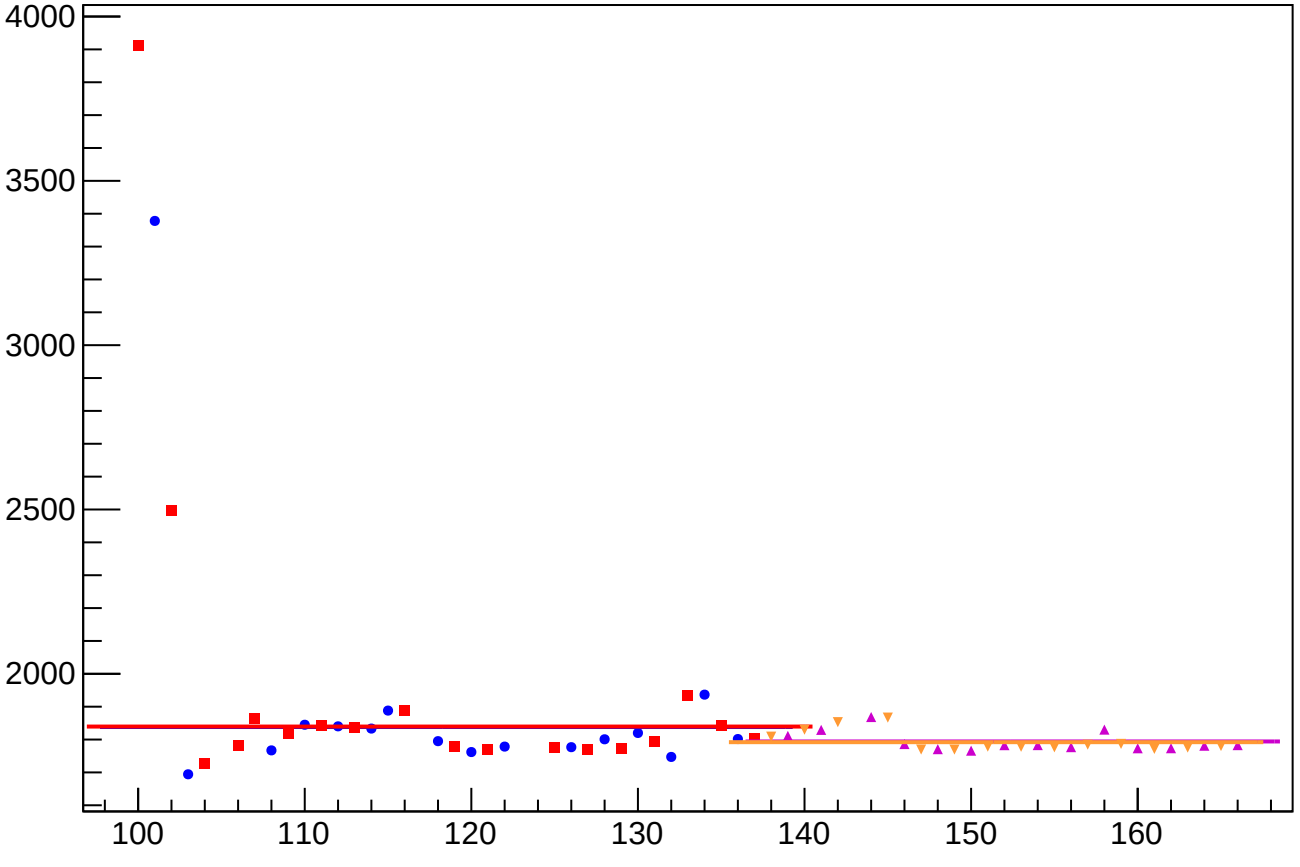
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -50.486+/-540.070 χ²/NDF:17.5/13
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -632.838+/-528.041 χ²/NDF:16.9/13
Left: -348.220+/-377.562 χ²/NDF: 35.0/27
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -895.032+/-419.549 χ²/NDF:27.2/29
Out: -233.925+/-425.514 χ²/NDF:28.9/31
All: -569.145+/-298.752 χ²/NDF: 57.3/61

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.023+/-0.382 χ^2/NDF:5742.8/13

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.171+/-0.373 χ^2/NDF:5967.4/13

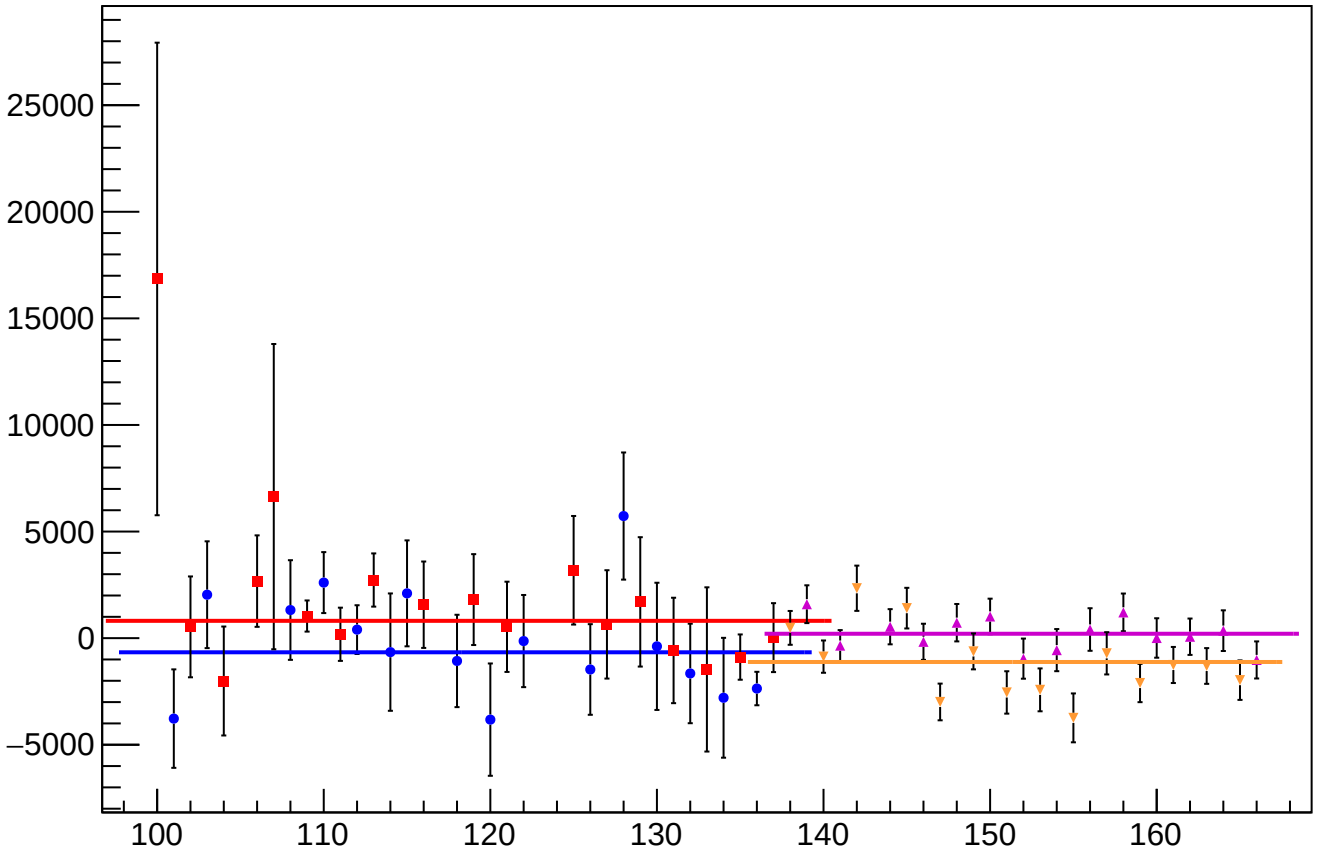
Left: 1793.121+/-0.267 χ^2/NDF: 11726.4/27

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1810.390+/-0.297 χ^2/NDF:303068.9/29

Out: 1810.035+/-0.301 χ^2/NDF:139862.1/31

All: 1810.215+/-0.211 χ^2/NDF: 442931.8/61



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1118.010+/-241.947 χ^2/NDF:38.2/13

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 206.058+/-234.713 χ^2/NDF:10.2/13

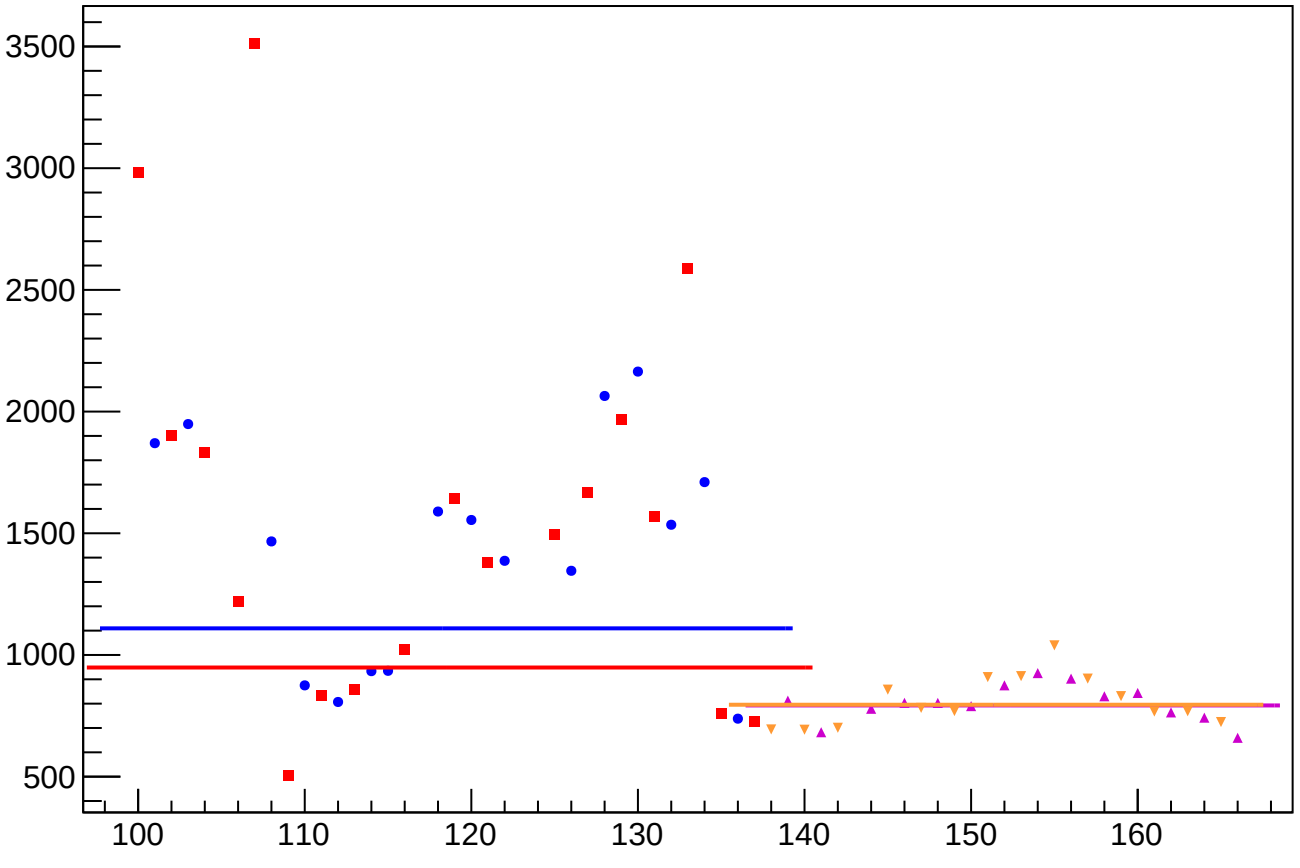
Left: -435.886+/-168.467 χ^2/NDF: 63.9/27

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 17.402+/-207.697 χ^2/NDF:36.0/29

Out: -595.620+/-206.629 χ^2/NDF:67.7/31

All: -290.689+/-146.485 χ^2/NDF: 108.0/61



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 795.490+/-0.171 χ^2/NDF:282673.3/13

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 792.628+/-0.166 χ^2/NDF:188037.3/13

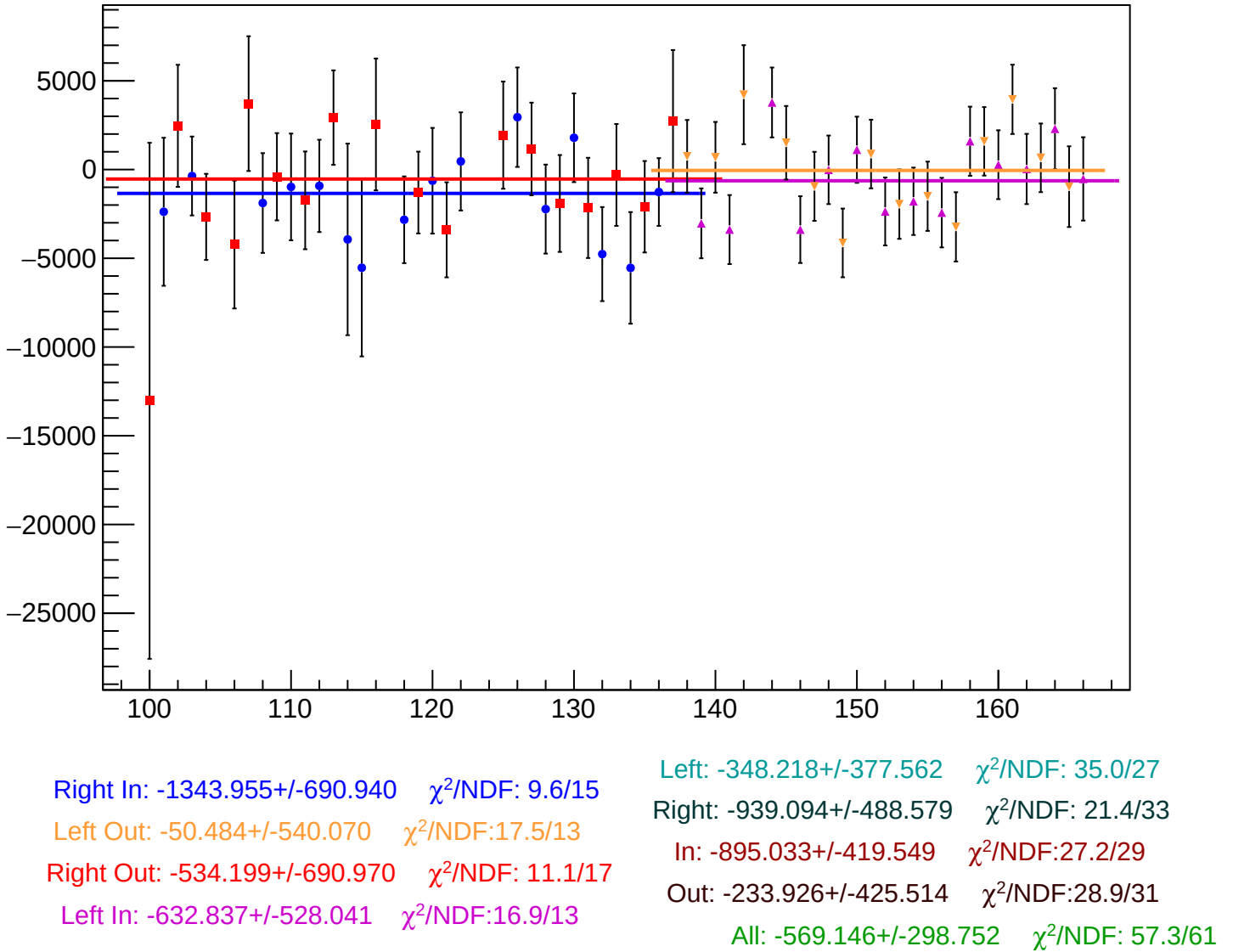
Left: 794.016+/-0.119 χ^2/NDF: 470854.8/27

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 861.347+/-0.147 χ^2/NDF:2951570.4/29

Out: 836.884+/-0.146 χ^2/NDF:3552650.4/31

All: 849.052+/-0.104 χ^2/NDF: 6518164.5/61


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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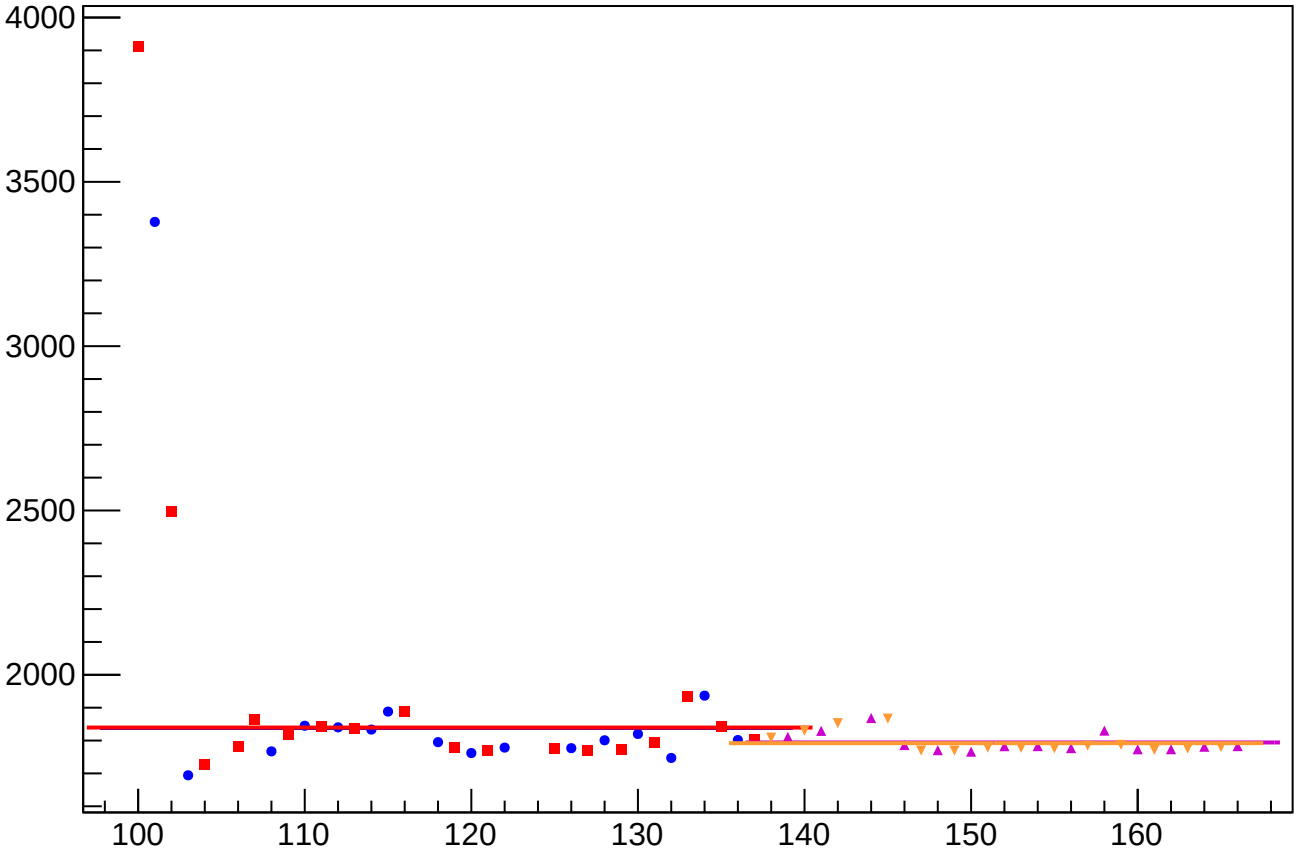
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -50.484+/-540.070 χ²/NDF:17.5/13
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -632.837+/-528.041 χ²/NDF:16.9/13
Left: -348.218+/-377.562 χ²/NDF: 35.0/27
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -895.033+/-419.549 χ²/NDF:27.2/29
Out: -233.926+/-425.514 χ²/NDF:28.9/31
All: -569.146+/-298.752 χ²/NDF: 57.3/61



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.023+/-0.382 χ^2/NDF:5742.8/13

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.171+/-0.373 χ^2/NDF:5967.4/13

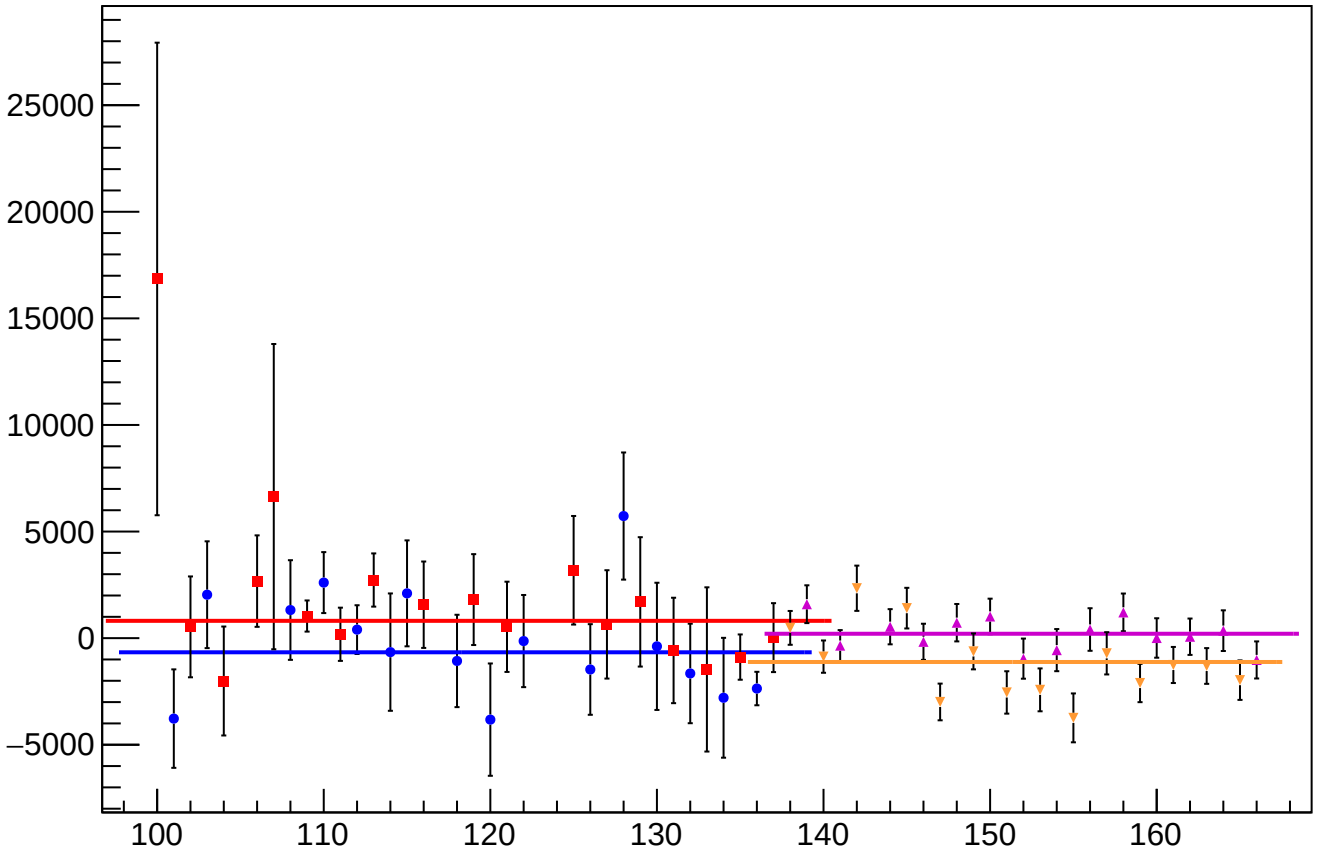
Left: 1793.121+/-0.267 χ^2/NDF: 11726.4/27

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1810.390+/-0.297 χ^2/NDF:303068.9/29

Out: 1810.035+/-0.301 χ^2/NDF:139862.2/31

All: 1810.215+/-0.211 χ^2/NDF: 442931.8/61



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1118.016+/-241.948 χ^2/NDF:38.2/13

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 206.056+/-234.713 χ^2/NDF:10.2/13

Left: -435.889+/-168.467 χ^2/NDF: 63.9/27

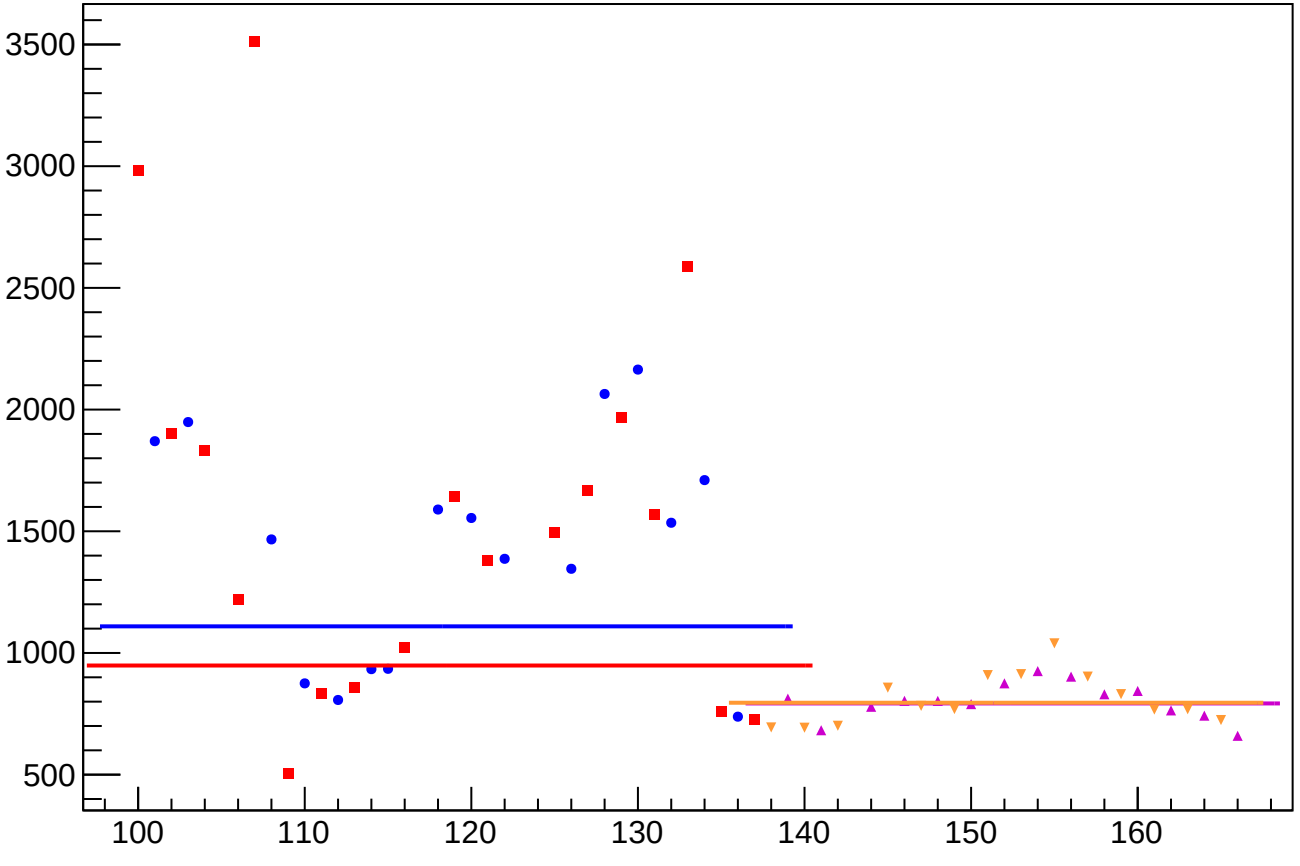
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 17.403+/-207.697 χ^2/NDF:36.0/29

Out: -595.622+/-206.629 χ^2/NDF:67.7/31

All: -290.689+/-146.485 χ^2/NDF: 108.0/61

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 795.492+/-0.171 χ^2/NDF:282660.7/13

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 792.629+/-0.166 χ^2/NDF:188041.1/13

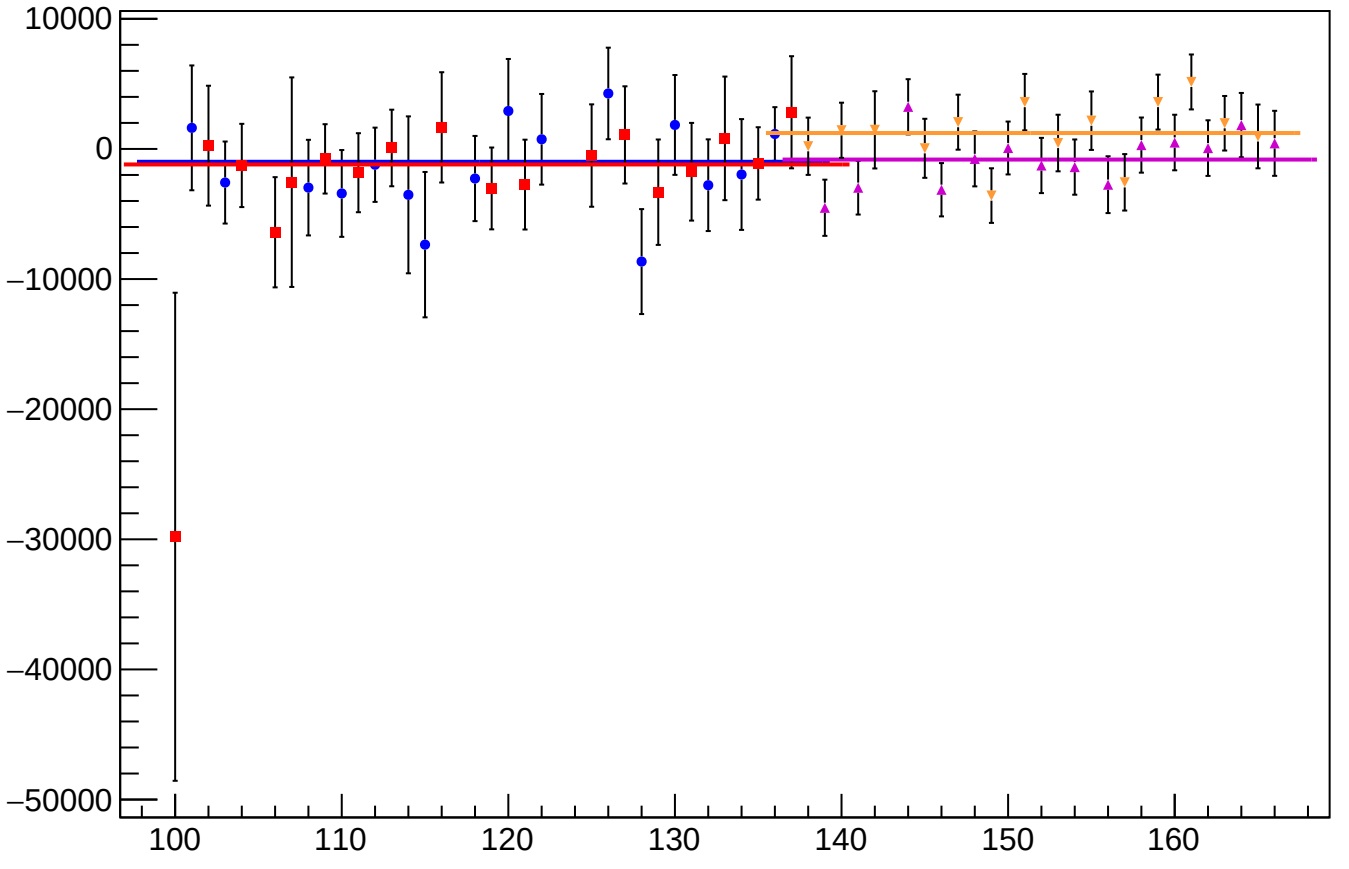
Left: 794.017+/-0.119 χ^2/NDF: 470846.1/27

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 861.348+/-0.147 χ^2/NDF:2951545.9/29

Out: 836.886+/-0.146 χ^2/NDF:3552613.7/31

All: 849.054+/-0.104 χ^2/NDF: 6518102.2/61



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1222.906+/-590.735 χ^2/NDF:15.3/13

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -816.228+/-575.936 χ^2/NDF:12.3/13

Left: 177.478+/-412.381 χ^2/NDF: 33.7/27

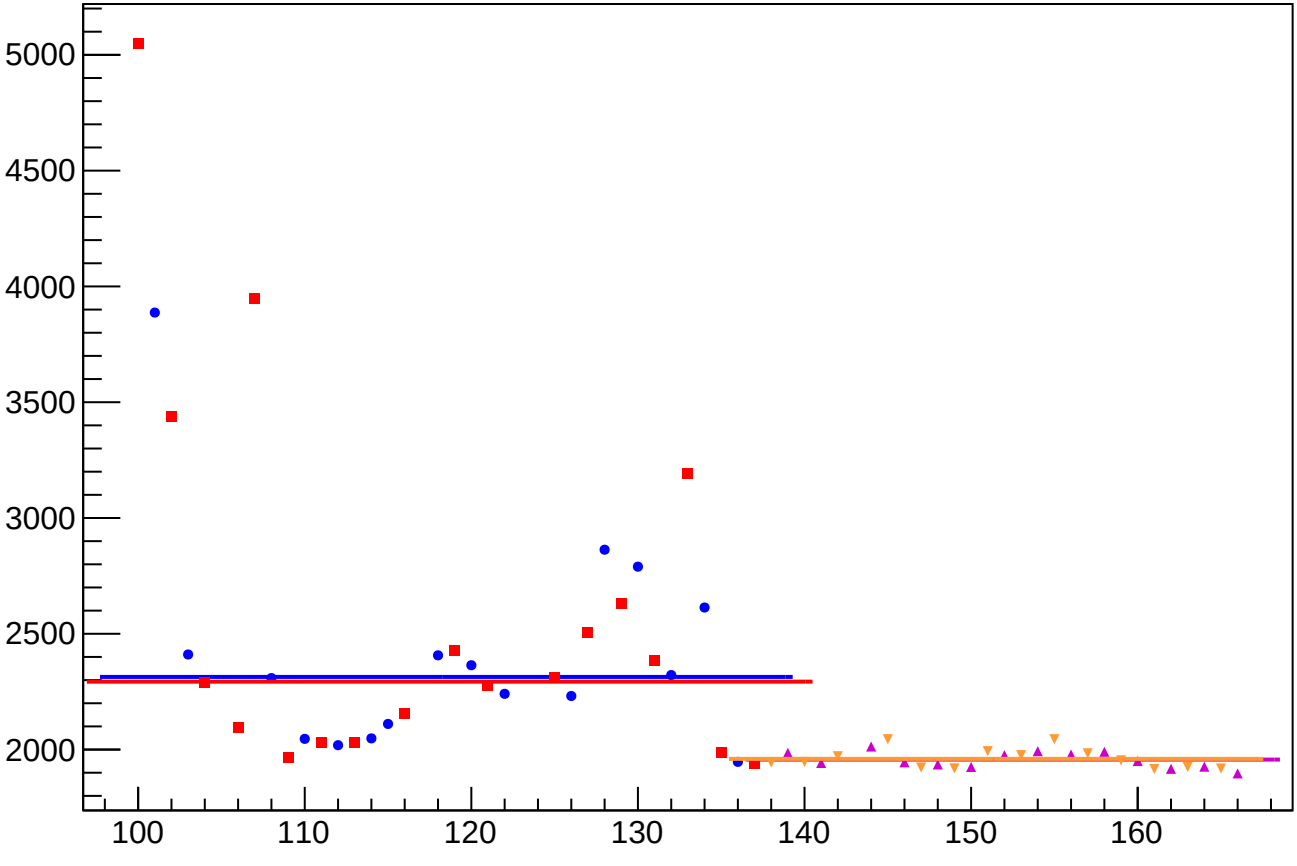
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -868.106+/-480.884 χ^2/NDF:24.3/29

Out: 461.322+/-488.797 χ^2/NDF:27.6/31

All: -214.241+/-342.800 χ^2/NDF: 55.6/61

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1959.847+/-0.418 χ^2/NDF:10078.3/13

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1956.773+/-0.407 χ^2/NDF:6244.8/13

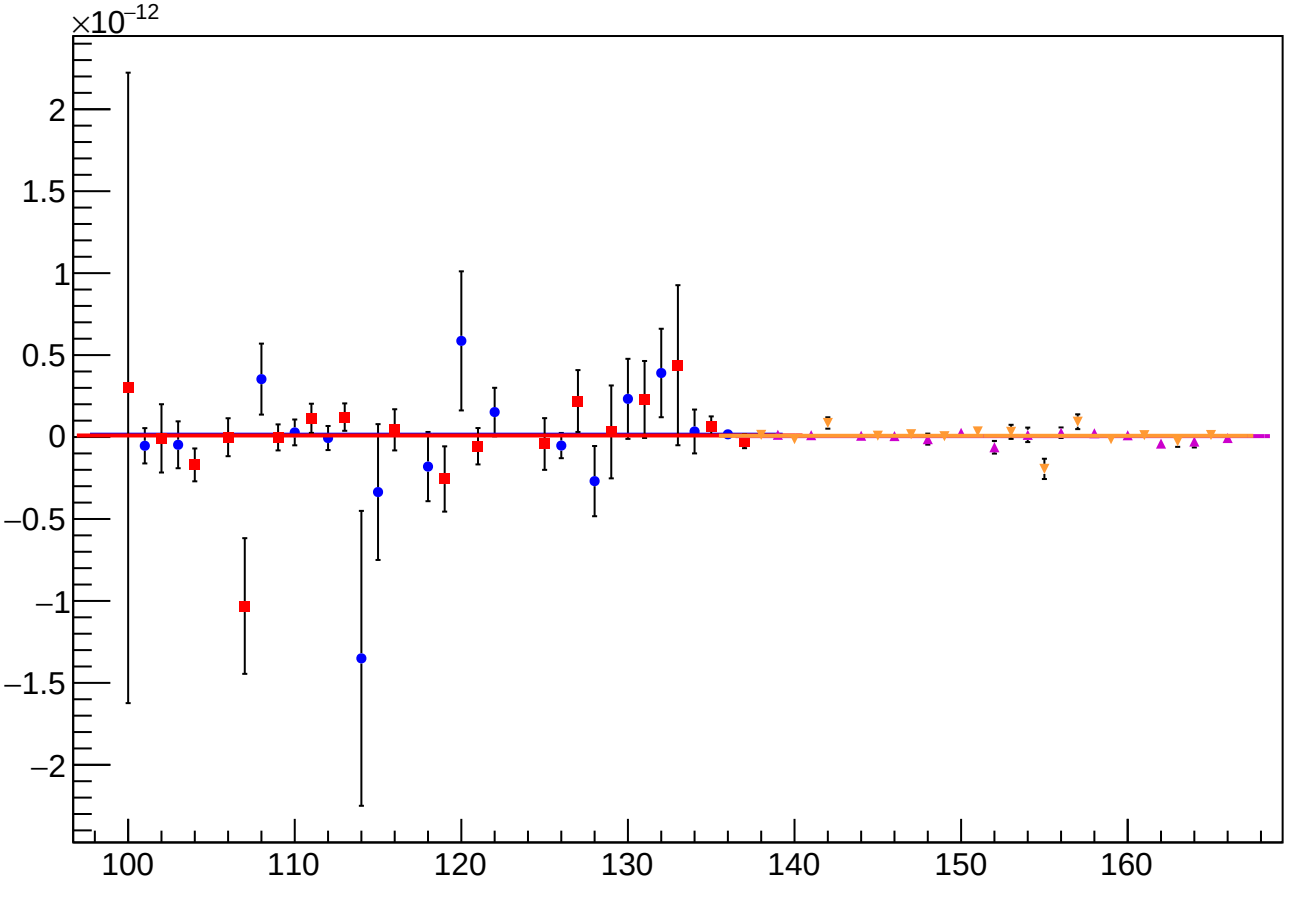
Left: 1958.271+/-0.292 χ^2/NDF: 16350.9/27

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2064.878+/-0.340 χ^2/NDF:641680.4/29

Out: 2064.993+/-0.346 χ^2/NDF:664206.7/31

All: 2064.935+/-0.242 χ^2/NDF: 1305887.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/13

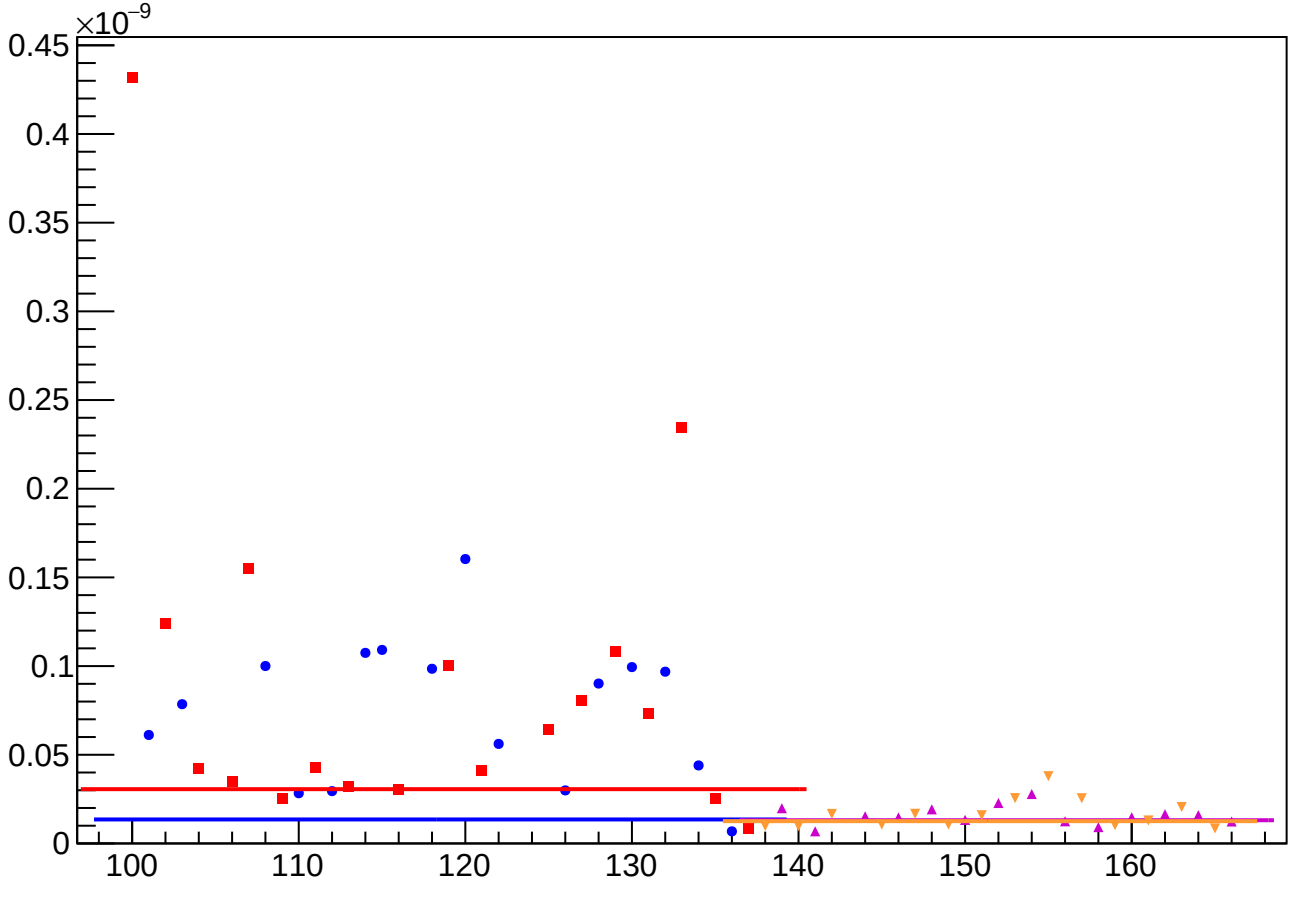
Left: 0.000+/-0.000 χ^2/NDF: 33.0/27

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:24.3/29

Out: 0.000+/-0.000 χ^2/NDF:43.5/31

All: 0.000+/-0.000 χ^2/NDF: 67.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1108566.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1051079.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2165387.0/27

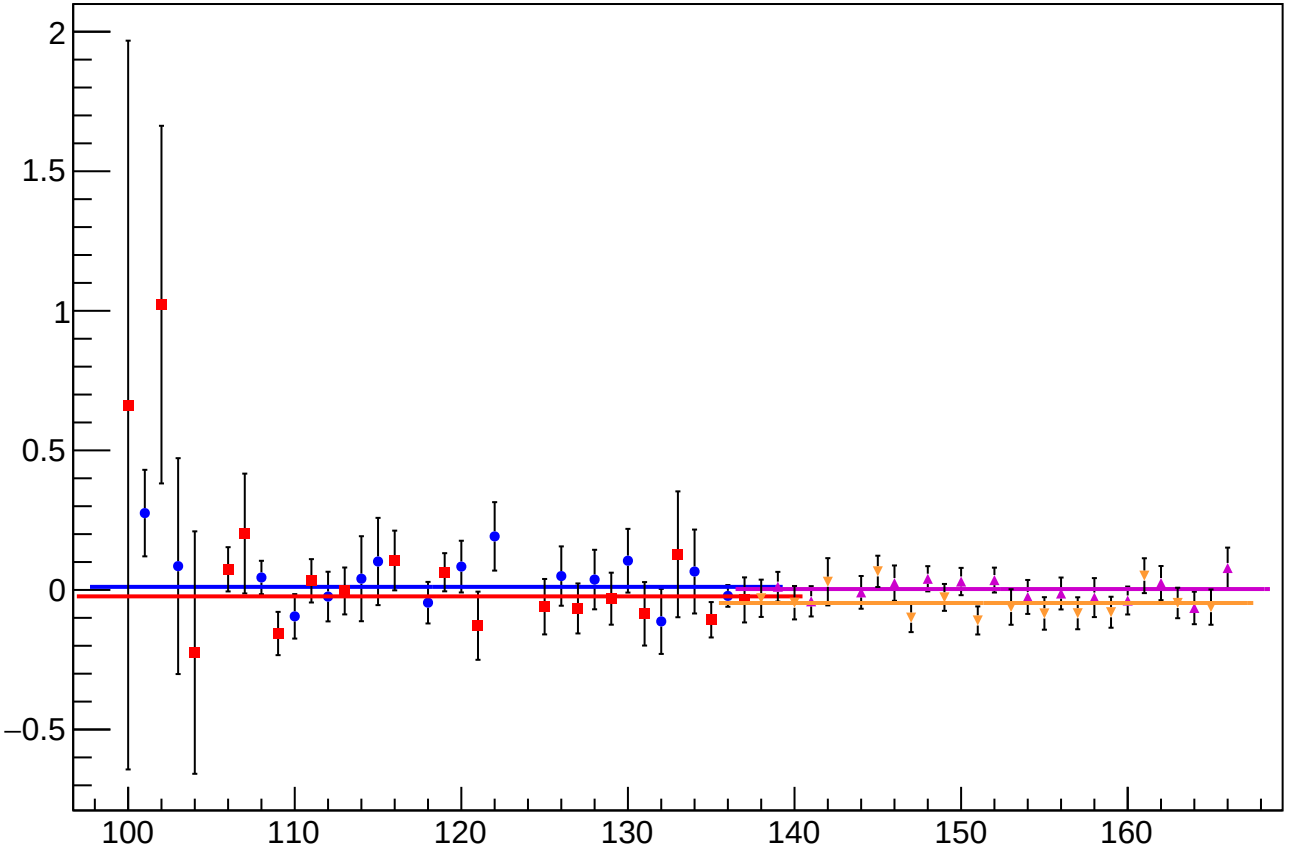
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4468718.1/29

Out: 0.000+/-0.000 χ^2/NDF:4495160.8/31

All: 0.000+/-0.000 χ^2/NDF: 8977172.3/61

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.021+/-0.011 χ^2/NDF: 22.9/27

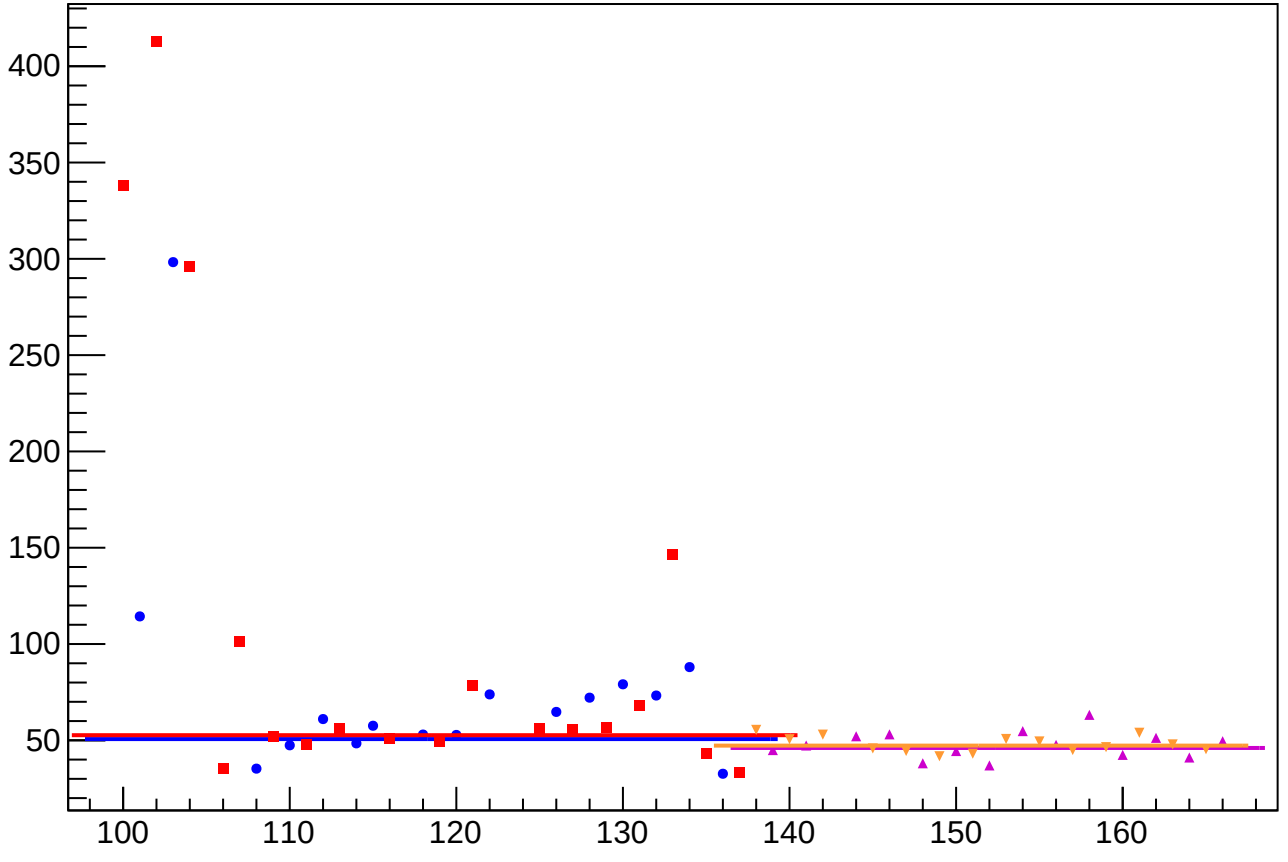
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.016+/-0.009 χ^2/NDF: 52.4/61

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.252+/-0.011 χ^2/NDF:129781.7/13

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.035+/-0.010 χ^2/NDF:403636.4/13

Left: 46.615+/-0.008 χ^2/NDF: 539887.5/27

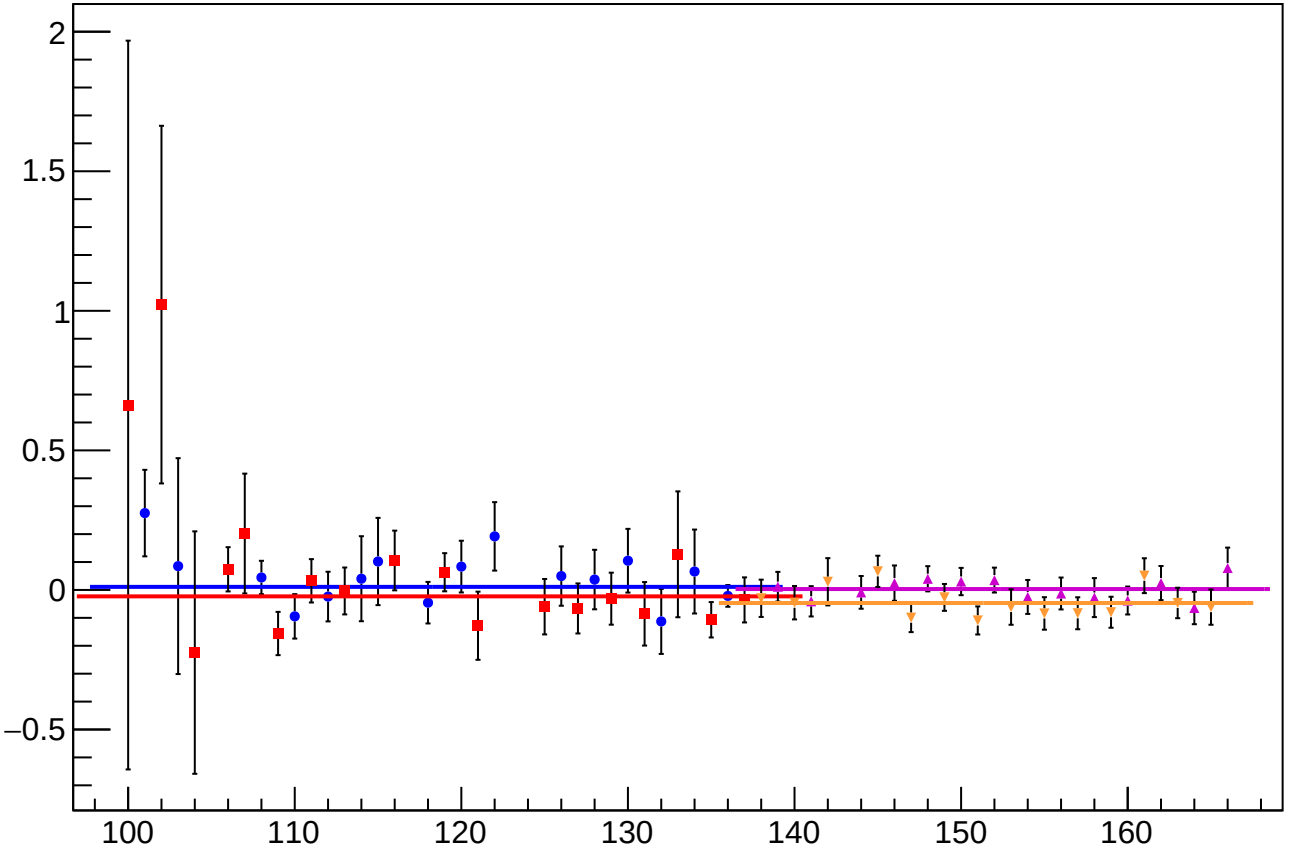
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.480+/-0.009 χ^2/NDF:2731080.1/29

Out: 48.929+/-0.009 χ^2/NDF:2417475.2/31

All: 48.169+/-0.006 χ^2/NDF: 5161856.5/61

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.021+/-0.011 χ^2/NDF: 22.9/27

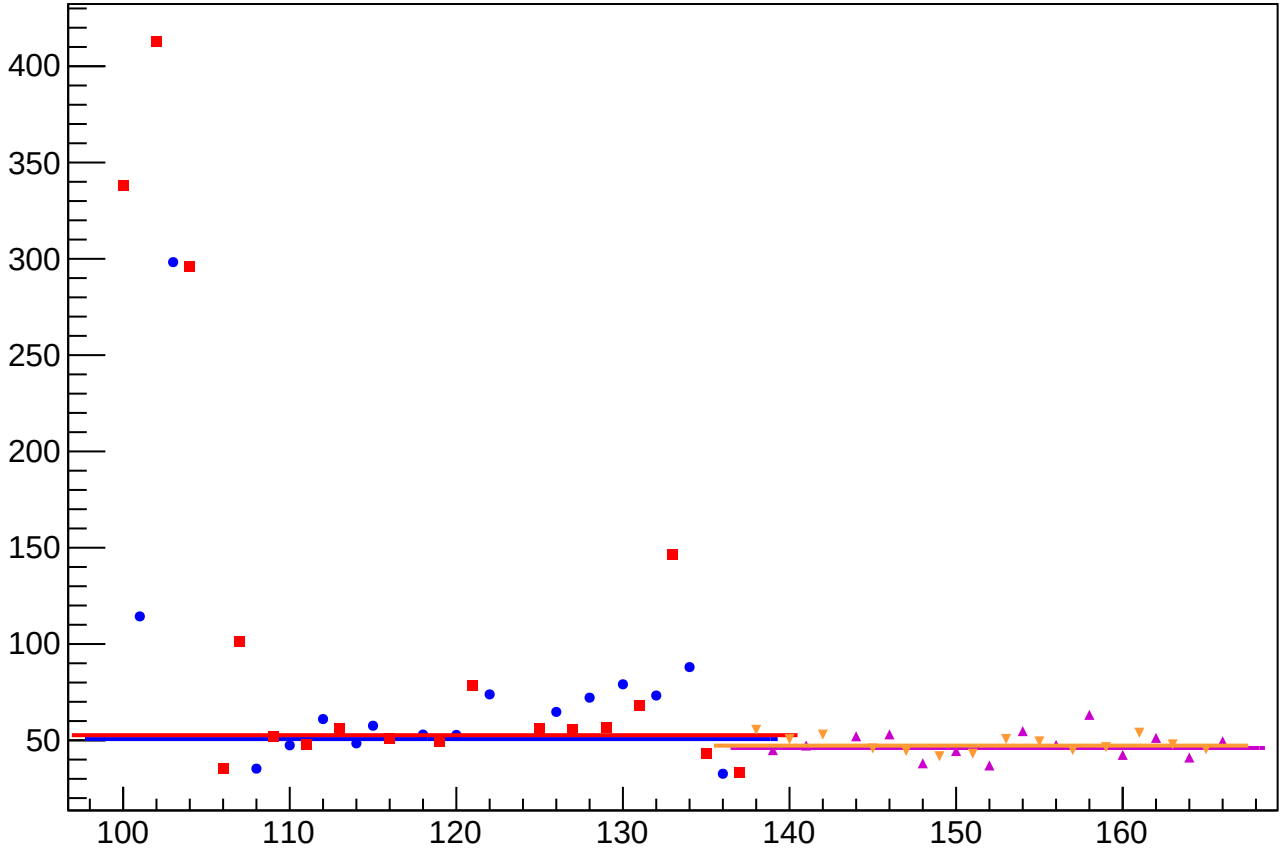
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.016+/-0.009 χ^2/NDF: 52.4/61

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.252+/-0.011 χ^2/NDF:129781.7/13

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.035+/-0.010 χ^2/NDF:403636.4/13

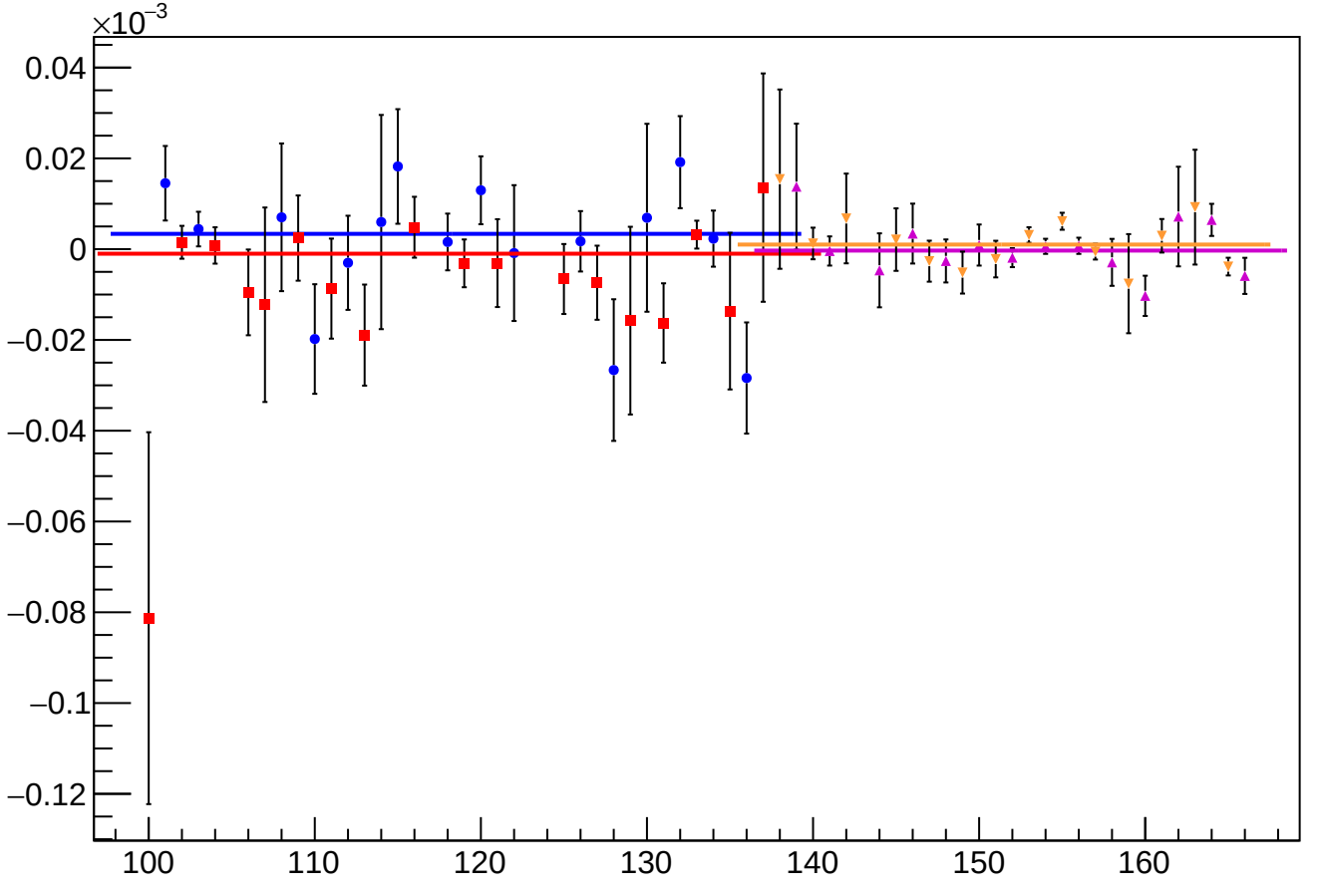
Left: 46.615+/-0.008 χ^2/NDF: 539887.5/27

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.480+/-0.009 χ^2/NDF:2731080.1/29

Out: 48.929+/-0.009 χ^2/NDF:2417475.2/31

All: 48.169+/-0.006 χ^2/NDF: 5161856.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:14.6/13

Left: 0.000+/-0.000 χ^2/NDF: 37.2/27

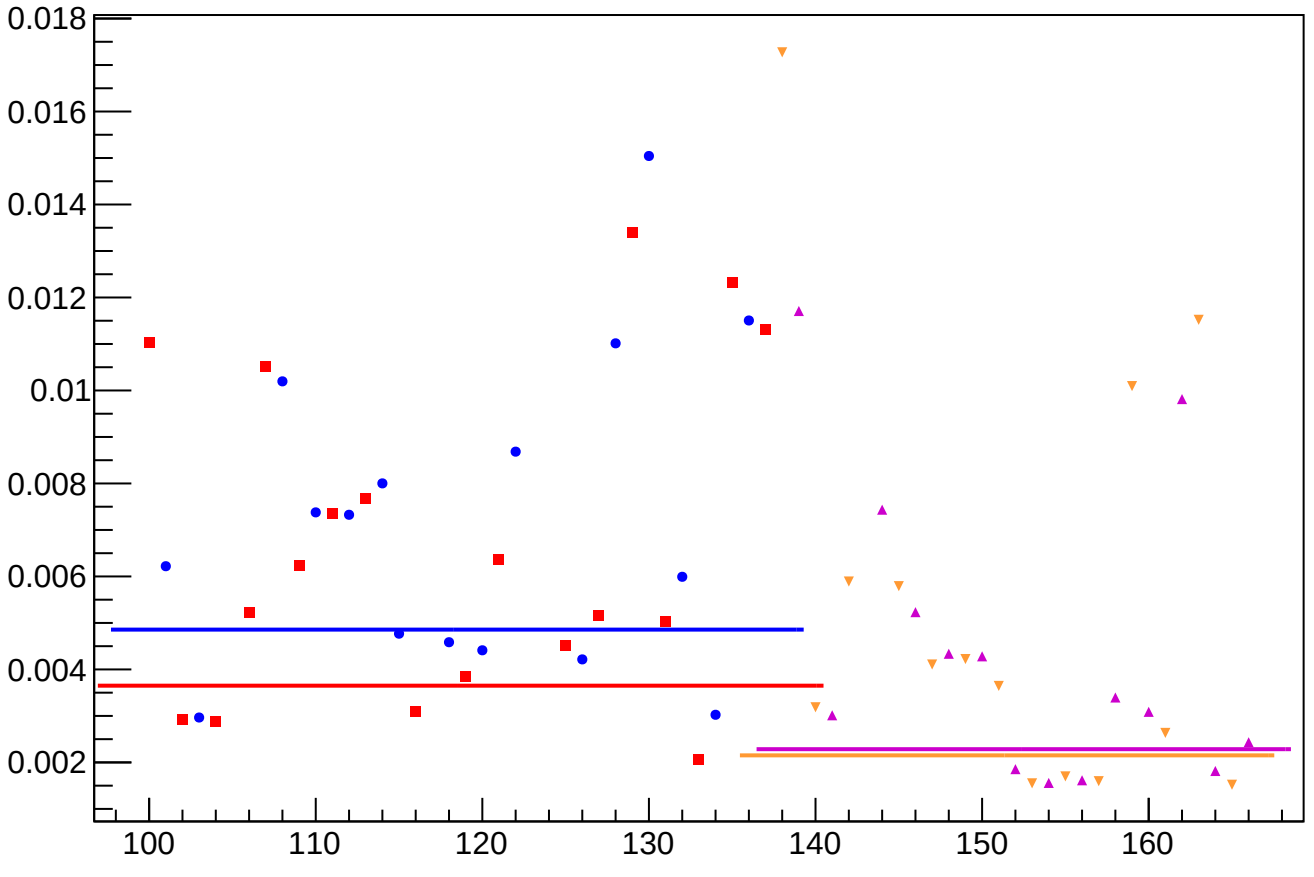
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:39.5/29

Out: 0.000+/-0.000 χ^2/NDF:39.9/31

All: 0.000+/-0.000 χ^2/NDF: 79.5/61

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: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6210300.0/13

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4873535.0/13

Left: 0.002+/-0.000 χ^2/NDF: 11109877.1/27

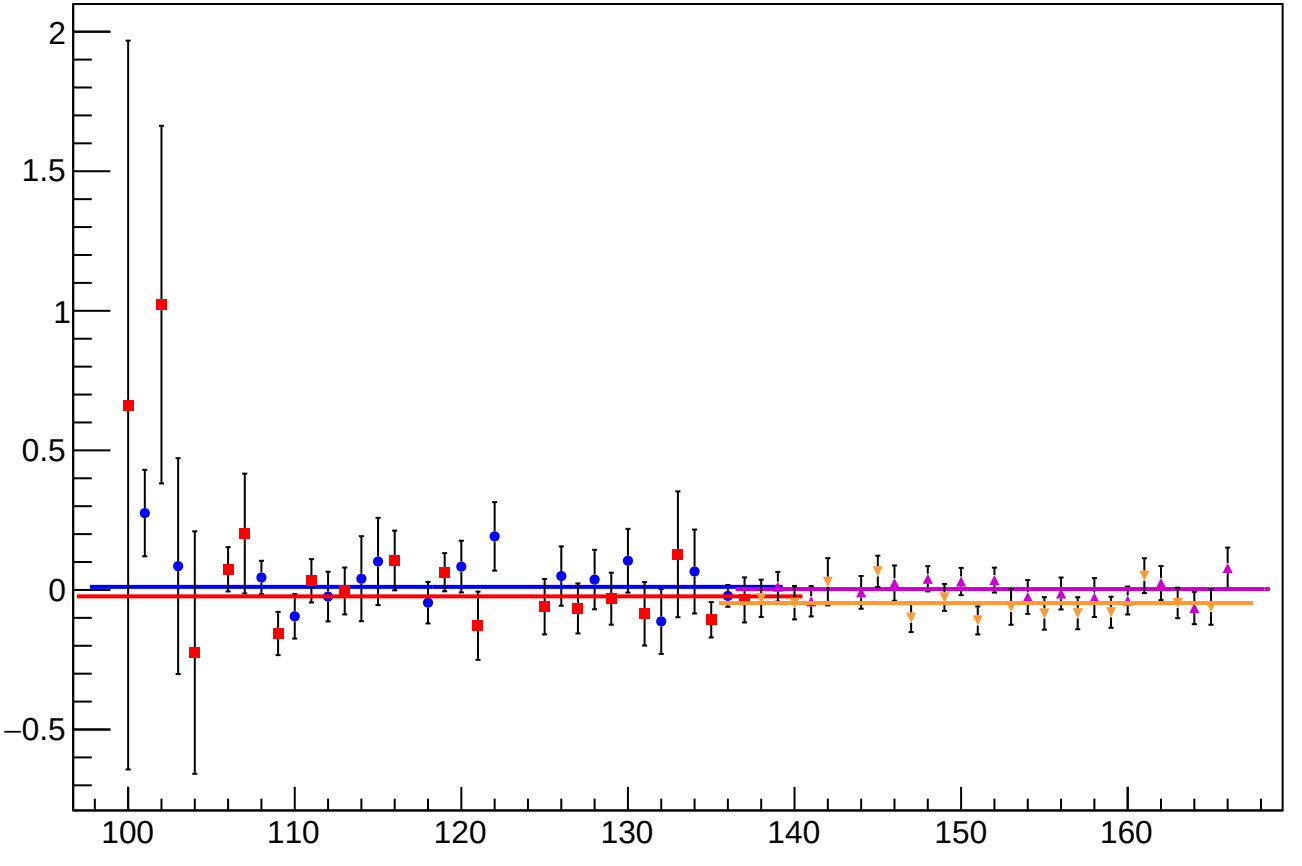
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10237019.6/29

Out: 0.002+/-0.000 χ^2/NDF:10774231.5/31

All: 0.003+/-0.000 χ^2/NDF: 21079134.1/61

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.021+/-0.011 χ^2/NDF: 22.9/27

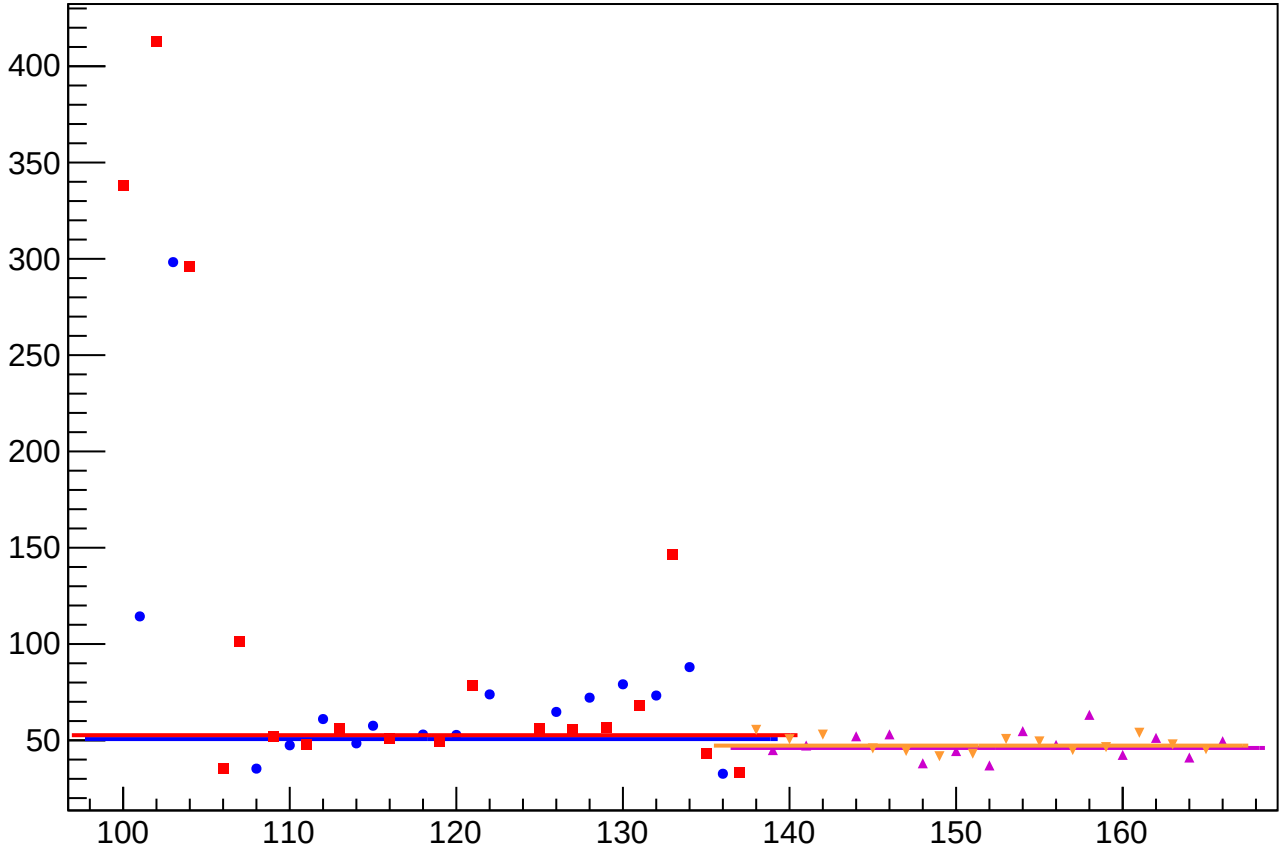
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.016+/-0.009 χ^2/NDF: 52.4/61

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.252+/-0.011 χ^2/NDF:129772.8/13

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.035+/-0.010 χ^2/NDF:403601.4/13

Left: 46.615+/-0.008 χ^2/NDF: 539836.2/27

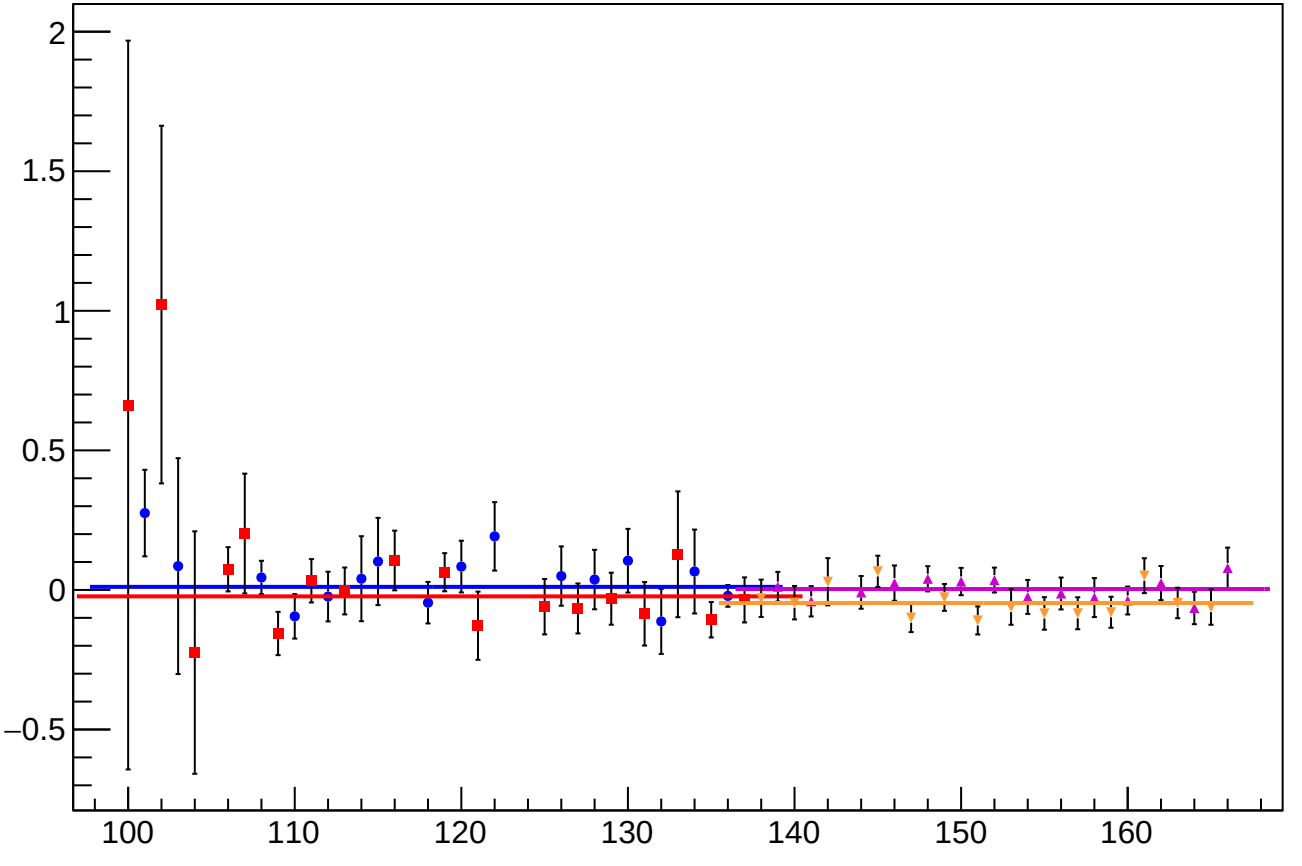
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.481+/-0.009 χ^2/NDF:2730955.3/29

Out: 48.929+/-0.009 χ^2/NDF:2417386.9/31

All: 48.169+/-0.006 χ^2/NDF: 5161635.9/61

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.015 χ^2/NDF:6.0/13

Left: -0.021+/-0.011 χ^2/NDF: 22.9/27

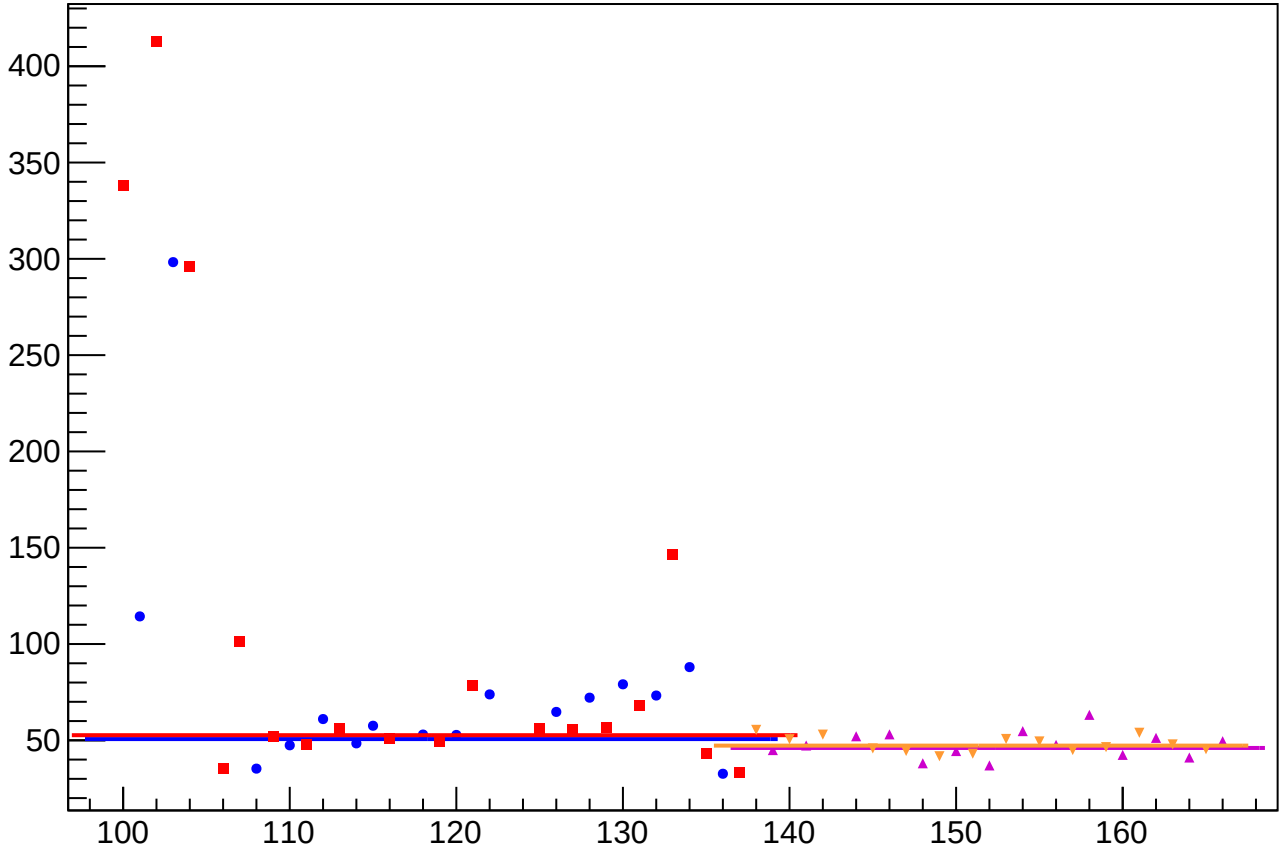
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.012 χ^2/NDF:17.8/29

Out: -0.039+/-0.013 χ^2/NDF:28.1/31

All: -0.016+/-0.009 χ^2/NDF: 52.4/61

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.252+/-0.011 χ^2/NDF:129772.8/13

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.035+/-0.010 χ^2/NDF:403601.4/13

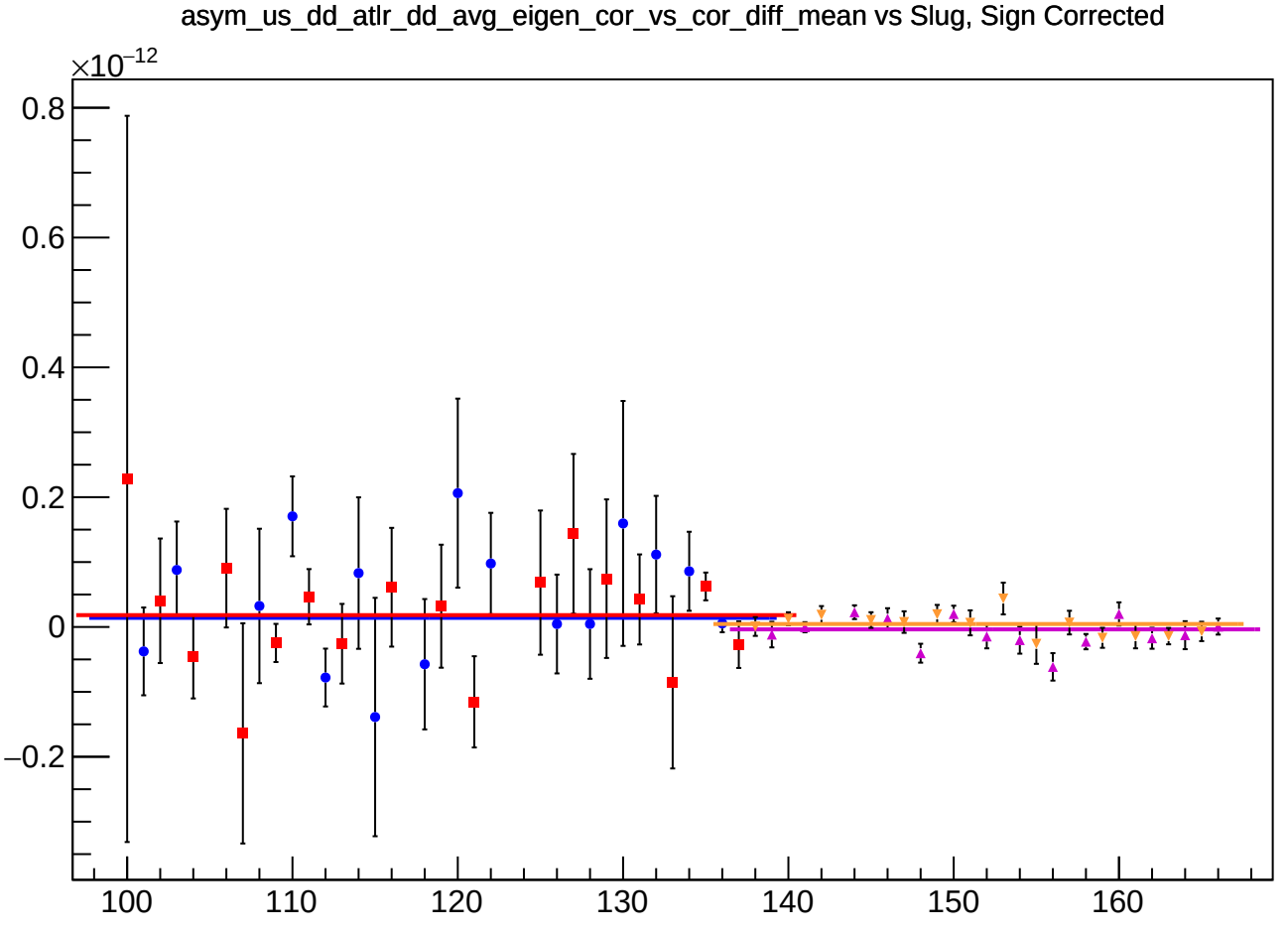
Left: 46.615+/-0.008 χ^2/NDF: 539836.2/27

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.481+/-0.009 χ^2/NDF:2730955.3/29

Out: 48.929+/-0.009 χ^2/NDF:2417386.9/31

All: 48.169+/-0.006 χ^2/NDF: 5161635.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/13

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

Left In: -0.000+/-0.000 χ^2/NDF:31.2/13

Left: 0.000+/-0.000 χ^2/NDF: 45.9/27

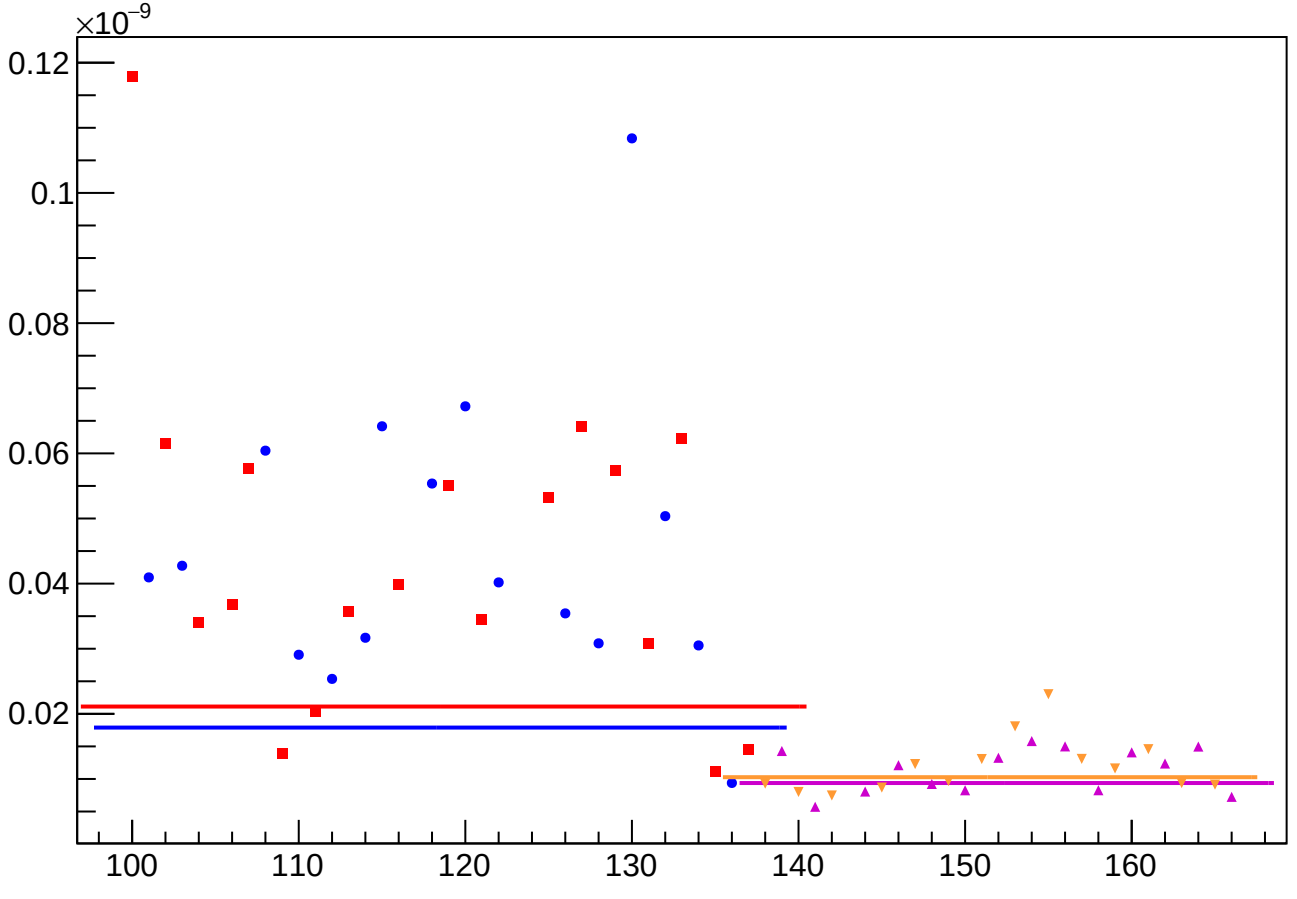
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:53.7/29

Out: 0.000+/-0.000 χ^2/NDF:31.5/31

All: 0.000+/-0.000 χ^2/NDF: 87.5/61

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1042519.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1499156.4/13

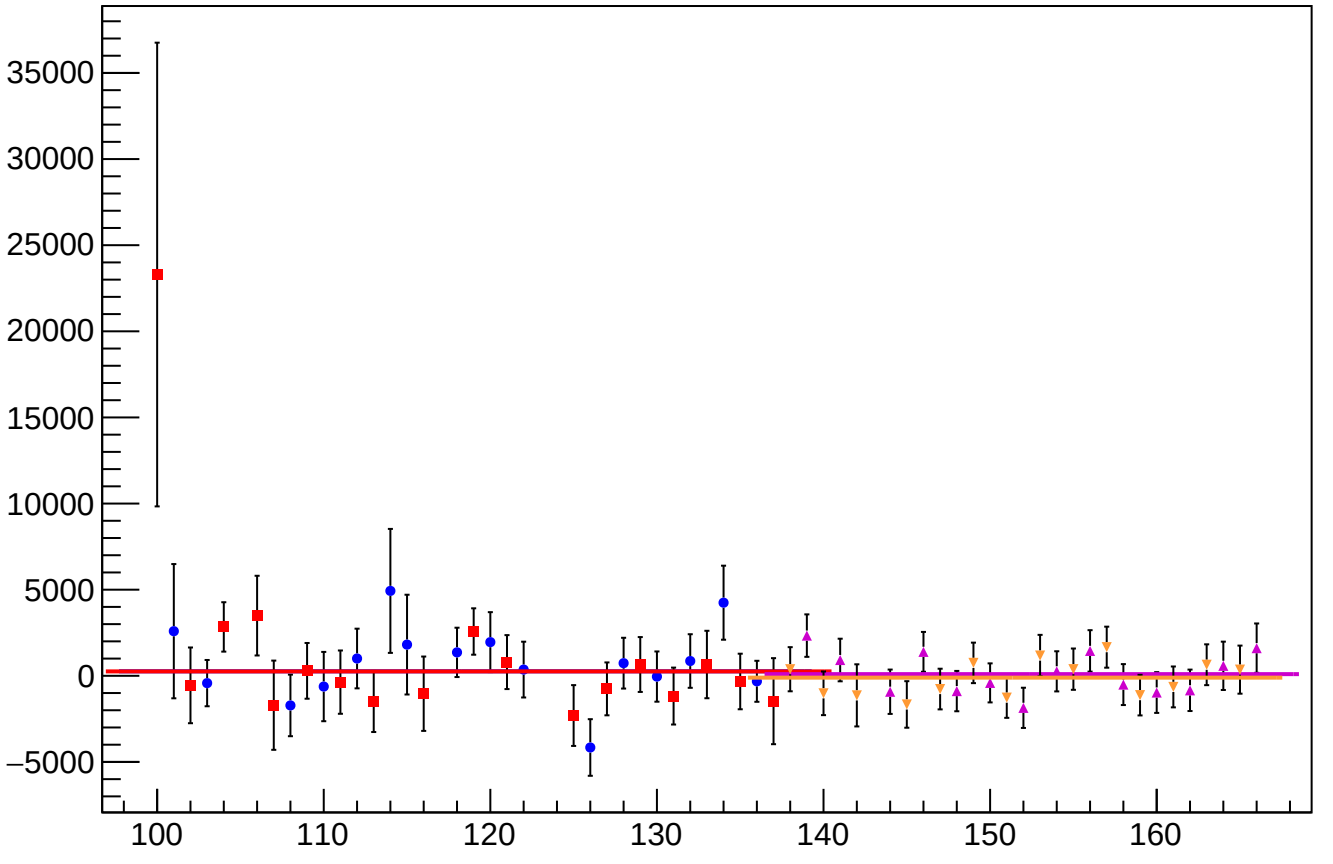
Left: 0.000+/-0.000 χ^2/NDF: 2595260.2/27

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5919410.7/29

Out: 0.000+/-0.000 χ^2/NDF:5022735.8/31

All: 0.000+/-0.000 χ^2/NDF: 11028847.7/61



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.956+/-333.225 χ^2/NDF:9.1/13

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 96.983+/-325.457 χ^2/NDF:13.5/13

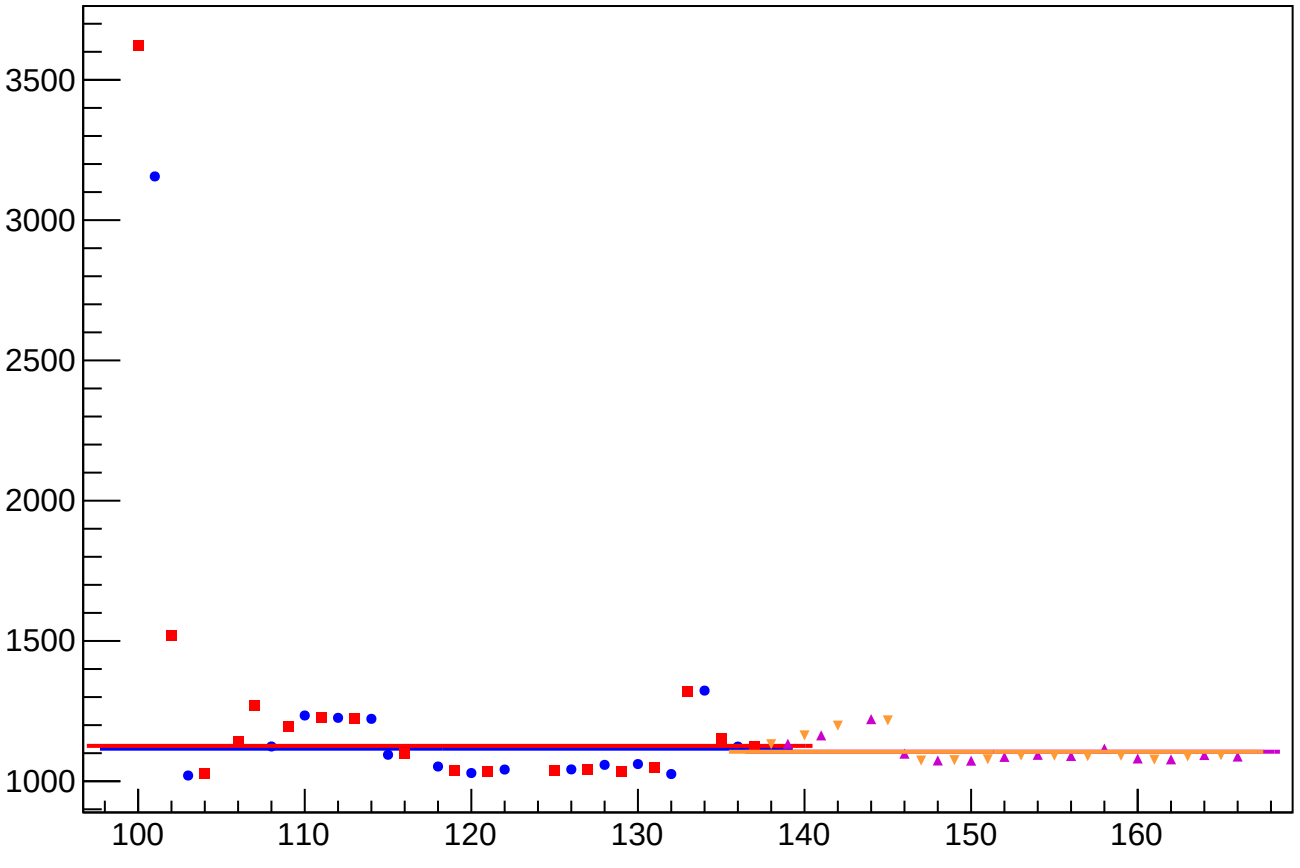
Left: -2.581+/-232.830 χ^2/NDF: 22.8/27

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 157.599+/-258.318 χ^2/NDF:30.6/29

Out: 30.884+/-262.416 χ^2/NDF:26.9/31

All: 95.238+/-184.090 χ^2/NDF: 57.6/61



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

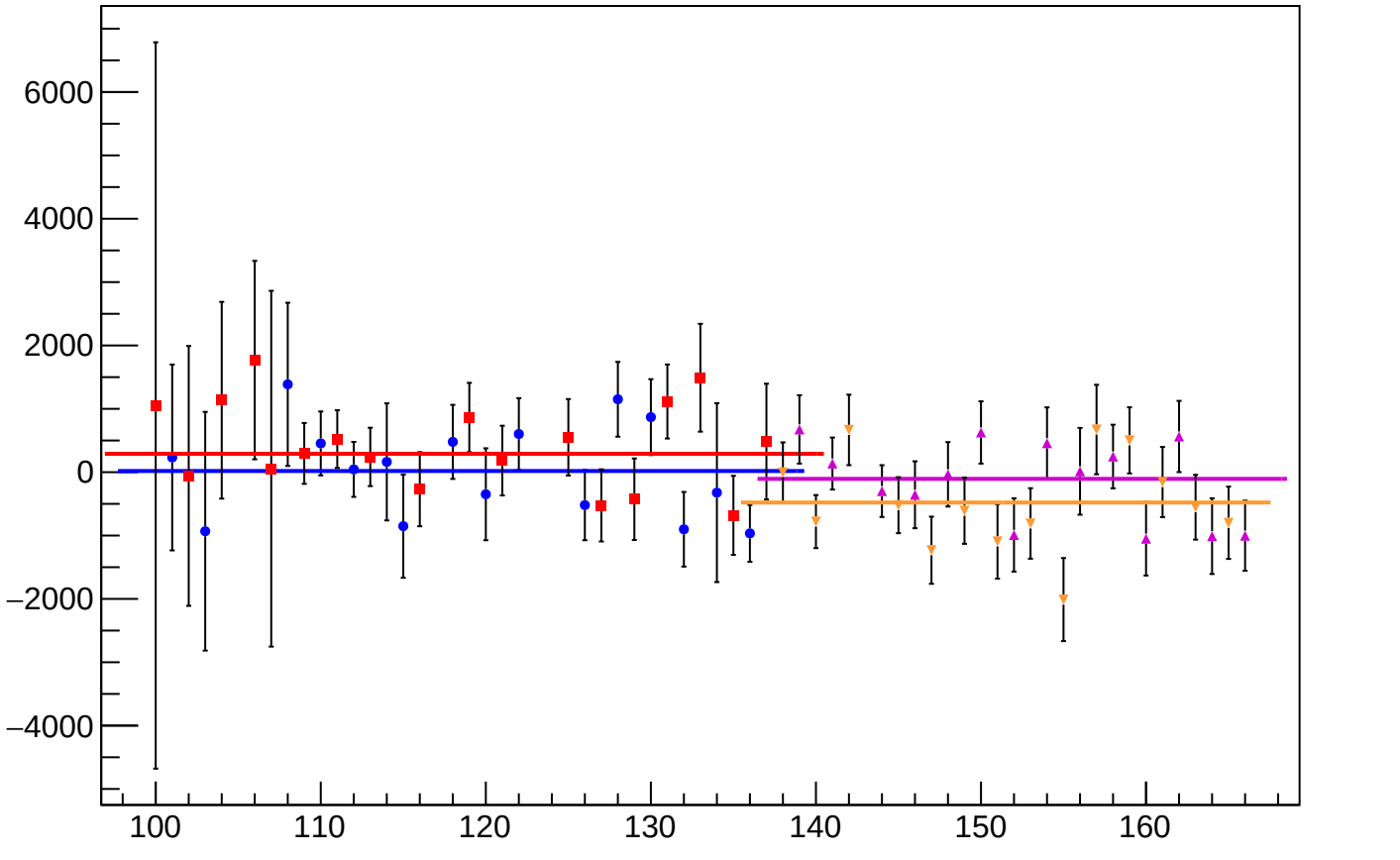
Left: 1105.123+/-0.165 χ^2/NDF: 59027.4/27

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

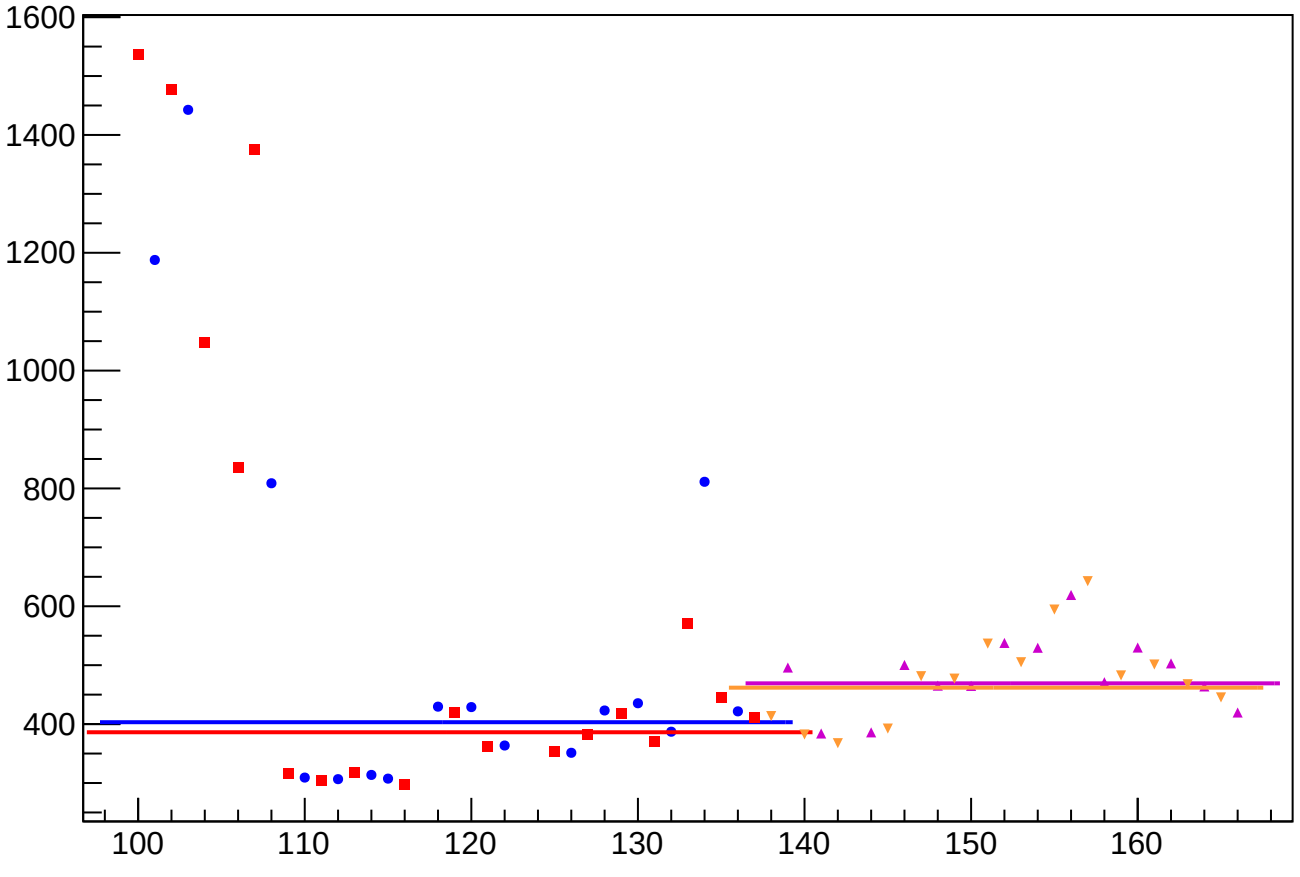
In: 1109.257+/-0.183 χ^2/NDF:652493.3/29

Out: 1112.980+/-0.186 χ^2/NDF:255875.0/31

All: 1111.089+/-0.130 χ^2/NDF: 908572.8/61


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 18.468+/-161.237 χ²/NDF: 19.2/15
Left Out: -478.612+/-141.415 χ²/NDF:21.6/13
Right Out: 289.946+/-156.189 χ²/NDF: 13.5/17
Left In: -105.365+/-139.542 χ²/NDF:18.0/13
Left: -289.499+/-99.327 χ²/NDF: 43.1/27
Right: 158.523+/-112.184 χ²/NDF: 34.1/33
In: -52.334+/-105.514 χ²/NDF:37.5/29
Out: -132.391+/-104.831 χ²/NDF:48.4/31
All: -92.623+/-74.367 χ²/NDF: 86.2/61

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 461.813+/-0.100 χ^2/NDF:476393.4/13

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 469.163+/-0.099 χ^2/NDF:373315.2/13

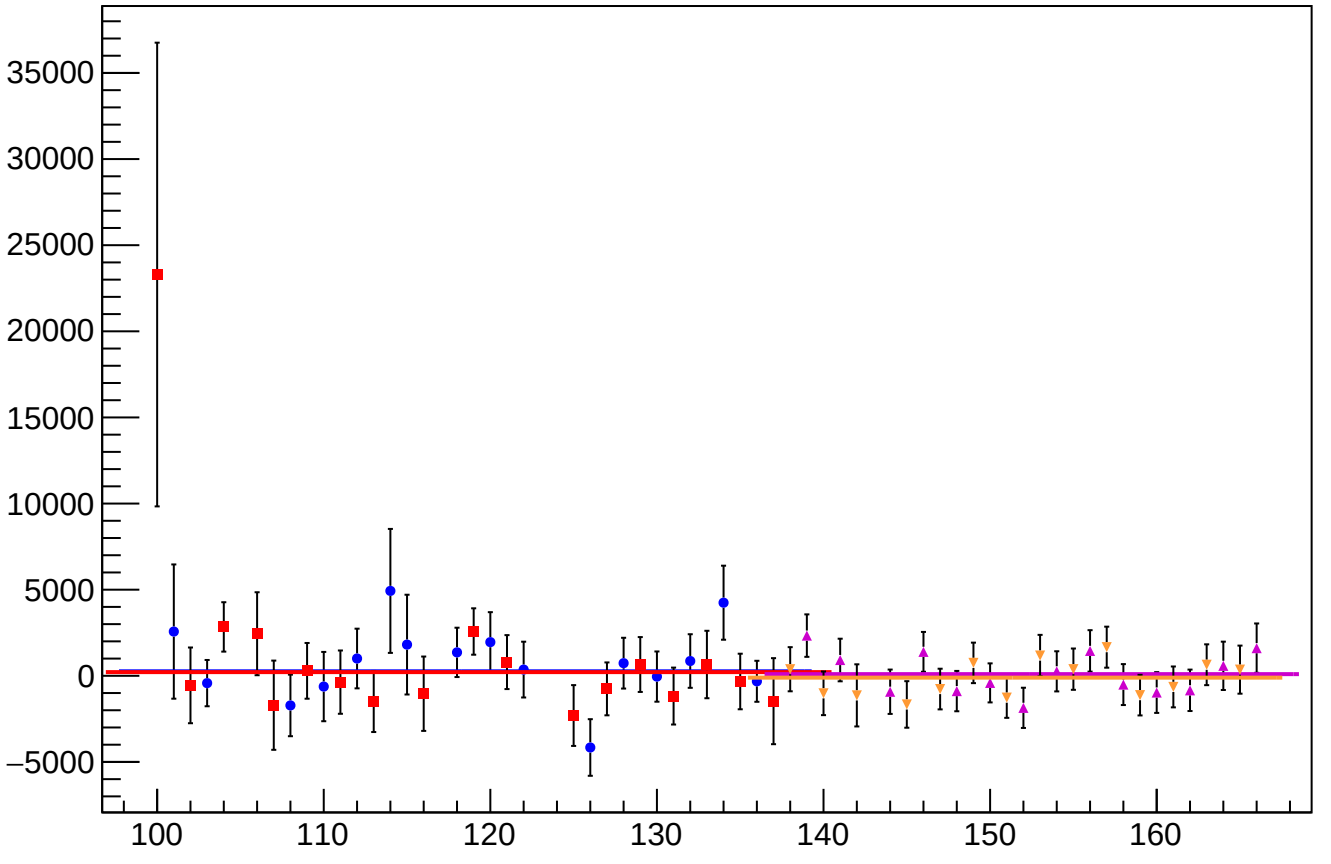
Left: 465.537+/-0.070 χ^2/NDF: 852446.0/27

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 440.912+/-0.075 χ^2/NDF:2373168.0/29

Out: 427.726+/-0.074 χ^2/NDF:2493449.7/31

All: 434.276+/-0.053 χ^2/NDF: 4882335.9/61



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 96.992+/-325.457 χ^2/NDF:13.5/13

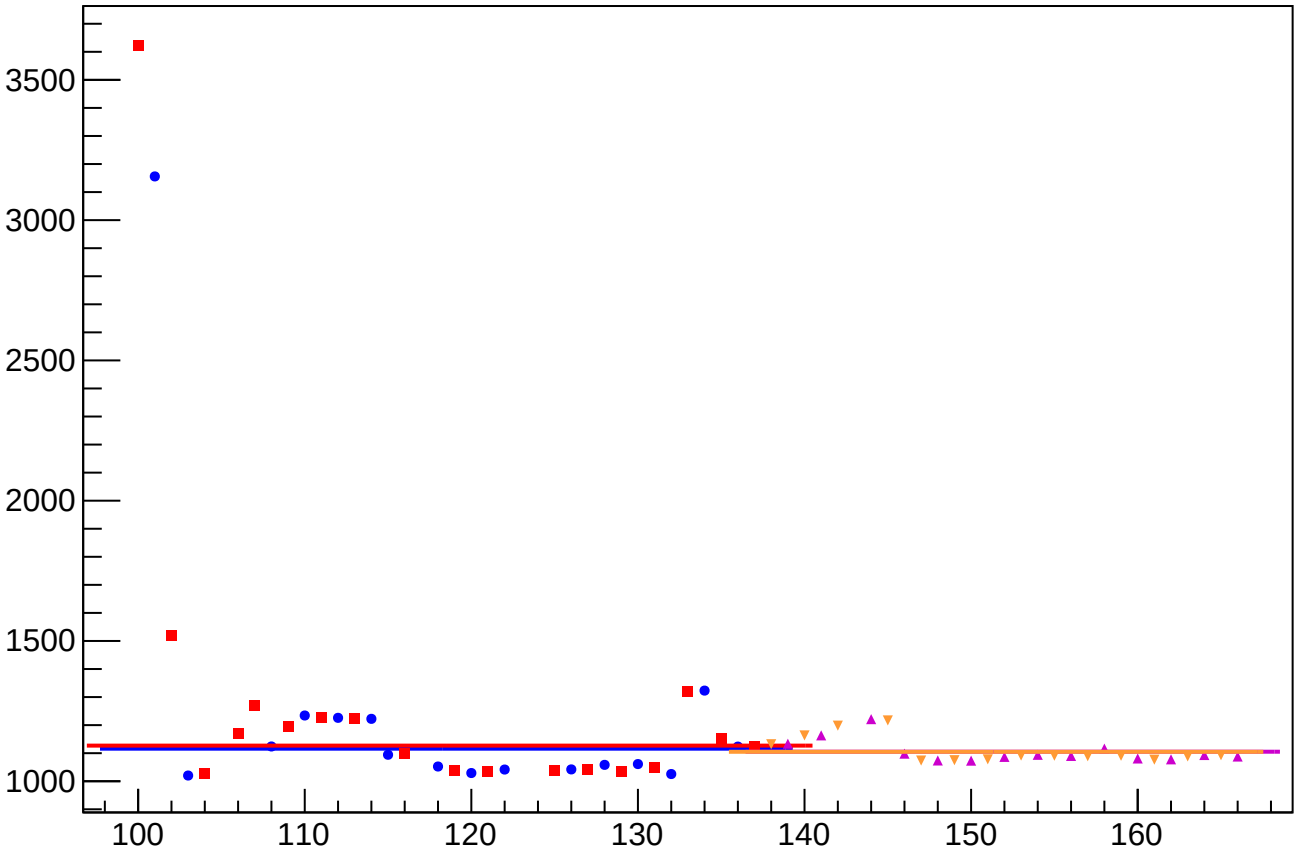
Left: -2.588+/-232.831 χ^2/NDF: 22.8/27

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 157.463+/-258.318 χ^2/NDF:30.5/29

Out: 14.933+/-262.546 χ^2/NDF:25.7/31

All: 87.355+/-184.135 χ^2/NDF: 56.4/61



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

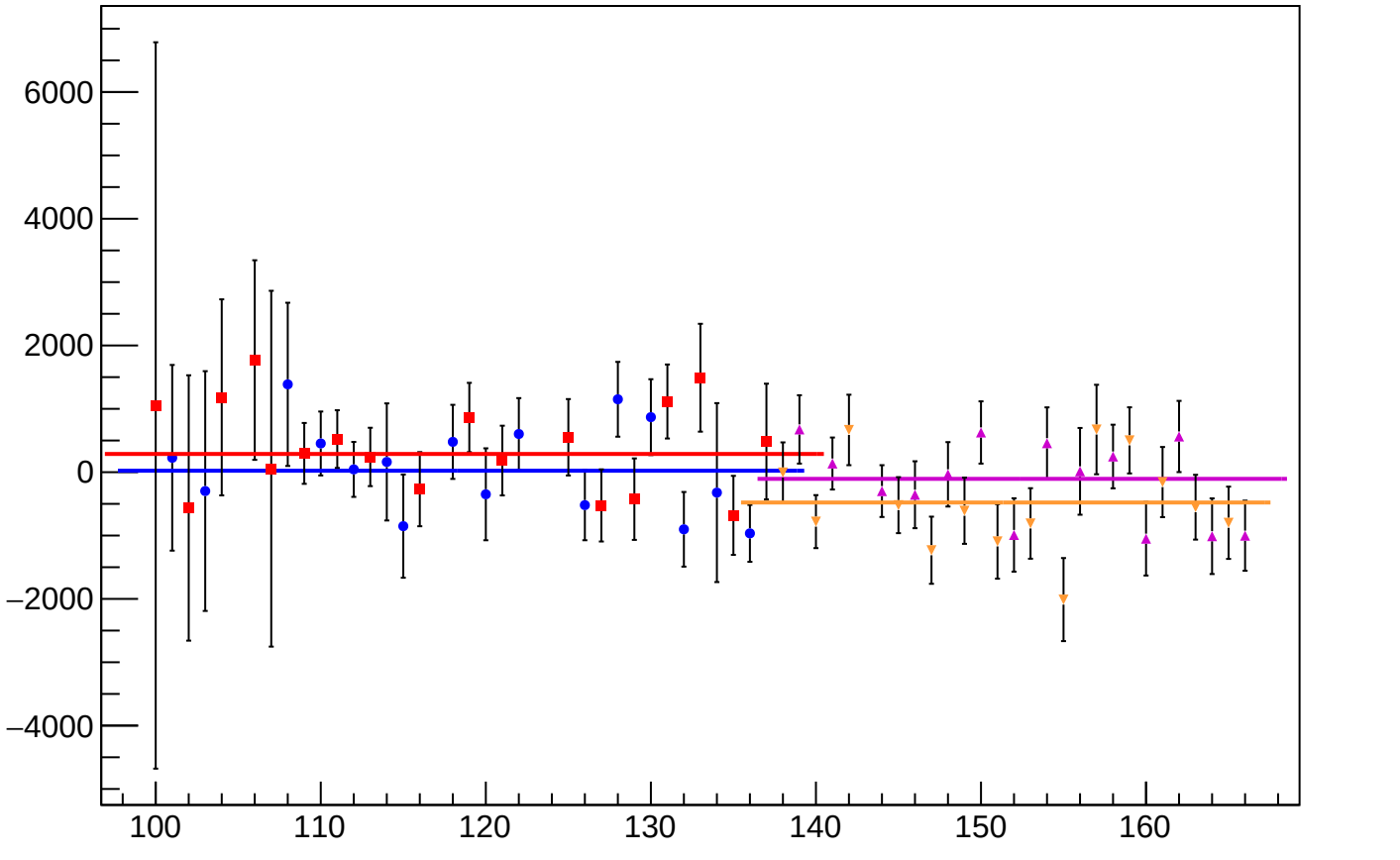
Left: 1105.123+/-0.165 χ^2/NDF: 59027.4/27

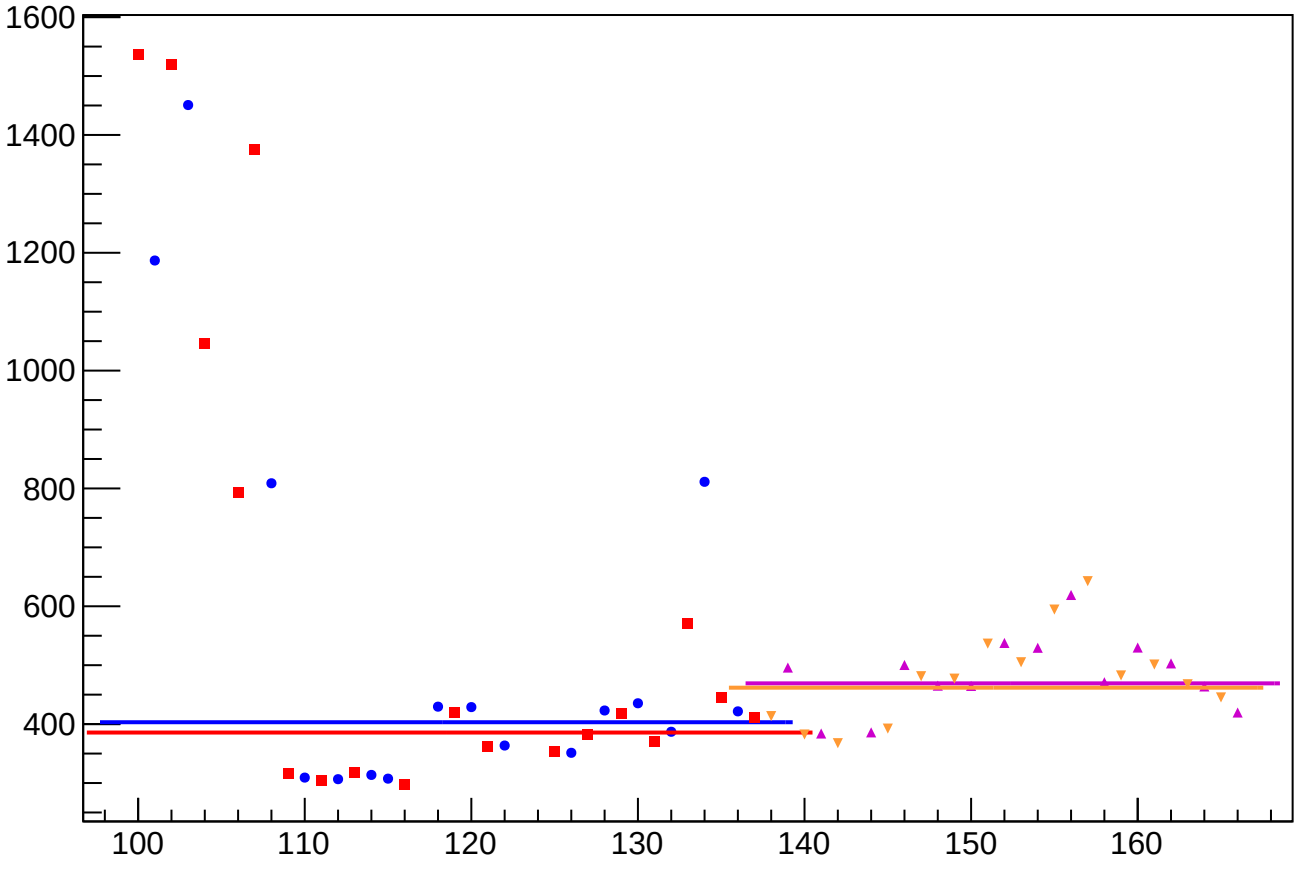
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.257+/-0.183 χ^2/NDF:652494.3/29

Out: 1113.325+/-0.186 χ^2/NDF:256781.7/31

All: 1111.258+/-0.130 χ^2/NDF: 909520.0/61


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -478.662+/-141.415 χ²/NDF:21.6/13
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -105.329+/-139.541 χ²/NDF:18.0/13
Left: -289.506+/-99.326 χ²/NDF: 43.1/27
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -50.407+/-105.514 χ²/NDF:37.3/29
Out: -133.527+/-104.837 χ²/NDF:48.5/31
All: -92.234+/-74.369 χ²/NDF: 86.1/61



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 469.160+/-0.099 χ^2/NDF:373287.1/13

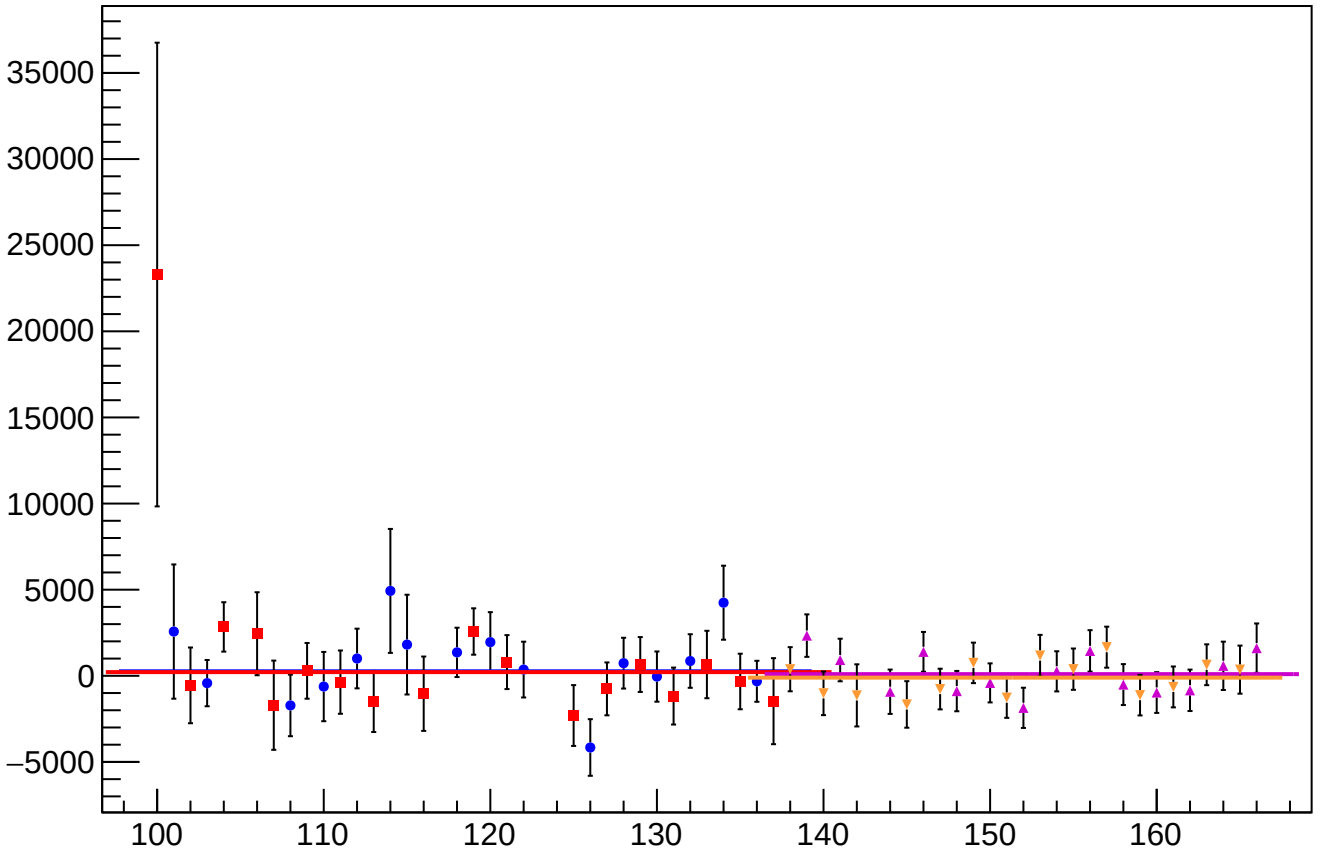
Left: 465.534+/-0.070 χ^2/NDF: 852439.0/27

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.906+/-0.075 χ^2/NDF:2376871.1/29

Out: 427.521+/-0.074 χ^2/NDF:2484625.5/31

All: 434.171+/-0.053 χ^2/NDF: 4877691.3/61



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 96.992+/-325.457 χ^2/NDF:13.5/13

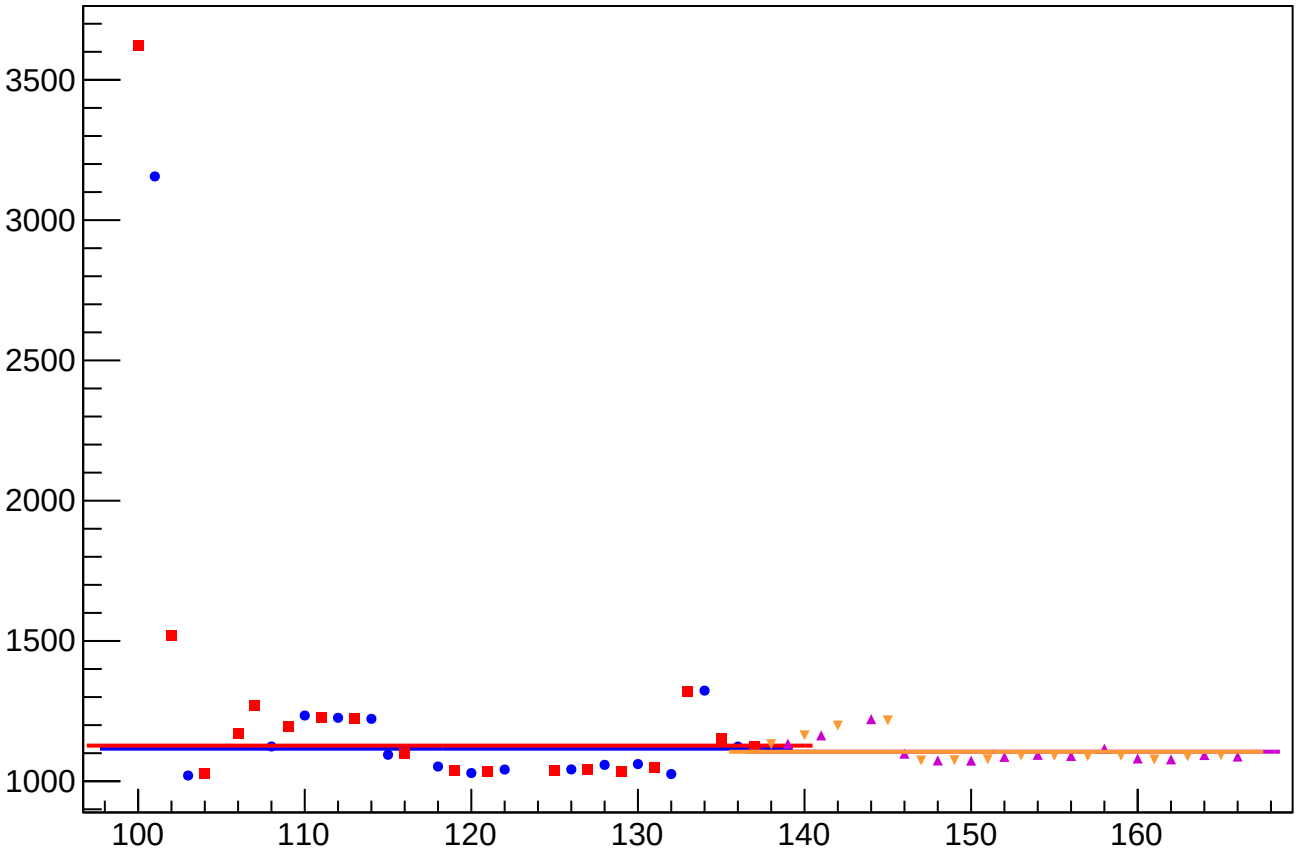
Left: -2.588+/-232.831 χ^2/NDF: 22.8/27

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 157.463+/-258.318 χ^2/NDF:30.5/29

Out: 14.933+/-262.546 χ^2/NDF:25.7/31

All: 87.355+/-184.135 χ^2/NDF: 56.4/61



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1105.244+/-0.230 χ^2/NDF:28280.6/13

Left: 1105.123+/-0.165 χ^2/NDF: 59027.4/27

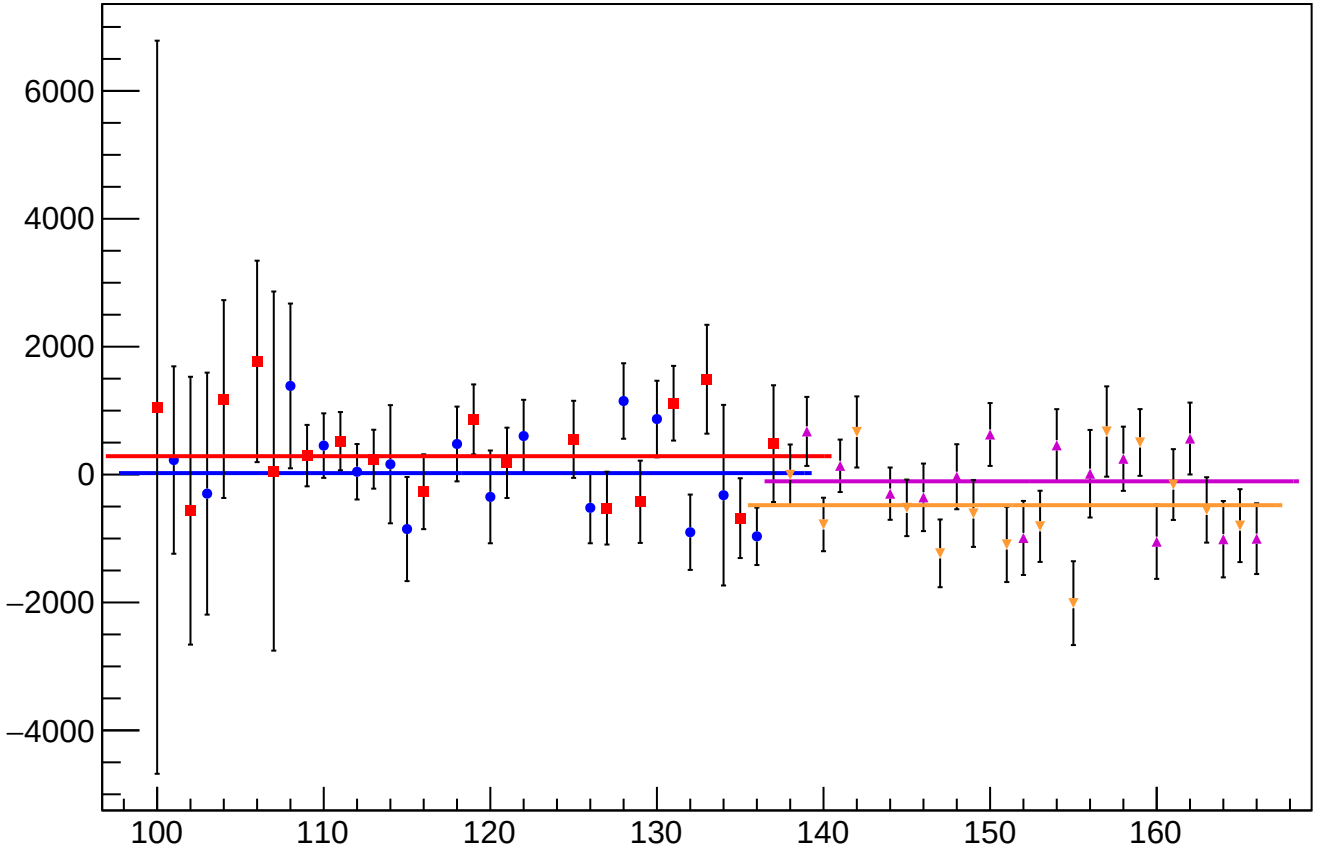
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.257+/-0.183 χ^2/NDF:652494.3/29

Out: 1113.325+/-0.186 χ^2/NDF:256781.7/31

All: 1111.258+/-0.130 χ^2/NDF: 909520.0/61

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -478.662+/-141.415 χ^2/NDF:21.6/13

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -105.329+/-139.541 χ^2/NDF:18.0/13

Left: -289.506+/-99.326 χ^2/NDF: 43.1/27

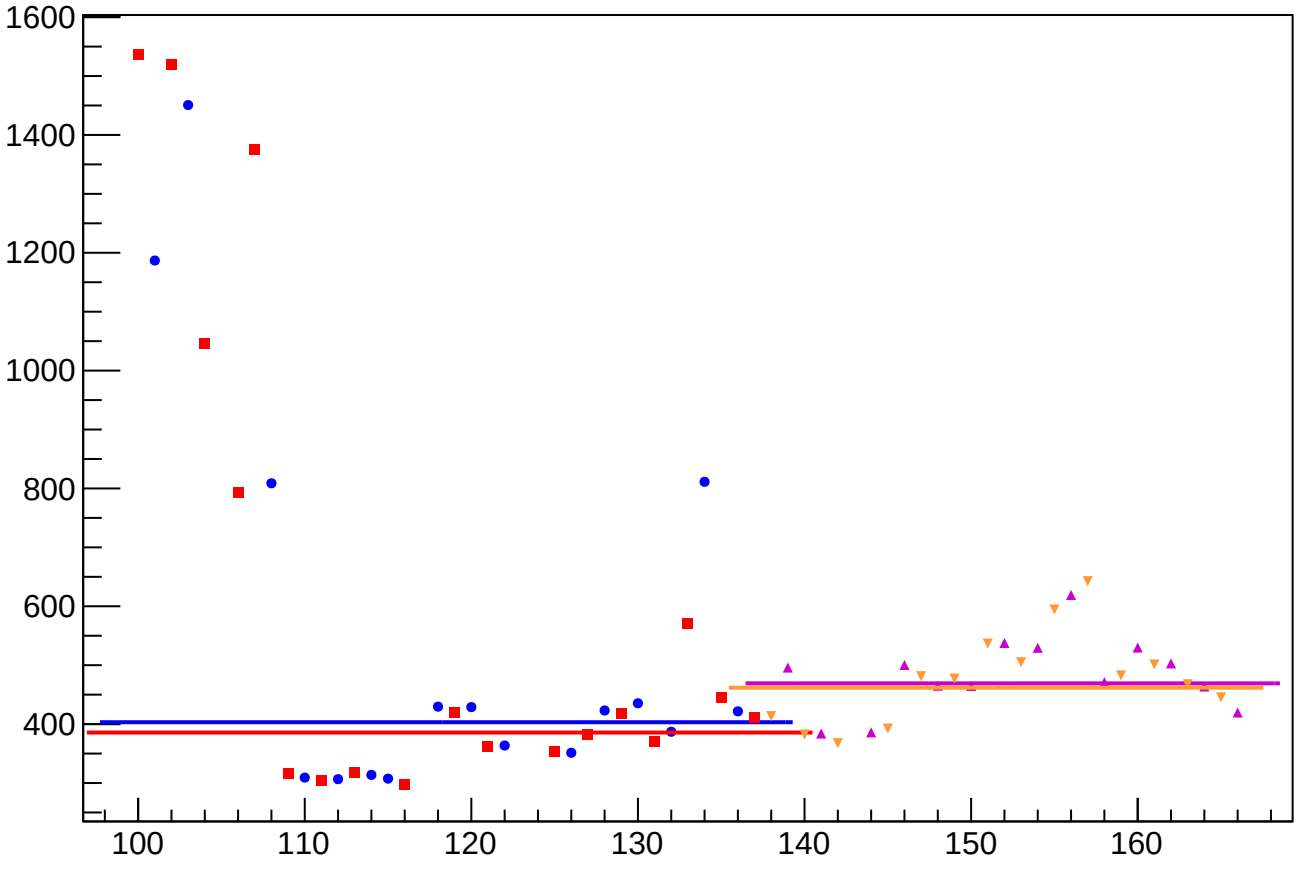
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -50.407+/-105.514 χ^2/NDF:37.3/29

Out: -133.527+/-104.837 χ^2/NDF:48.5/31

All: -92.234+/-74.369 χ^2/NDF: 86.1/61

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 469.160+/-0.099 χ^2/NDF:373287.1/13

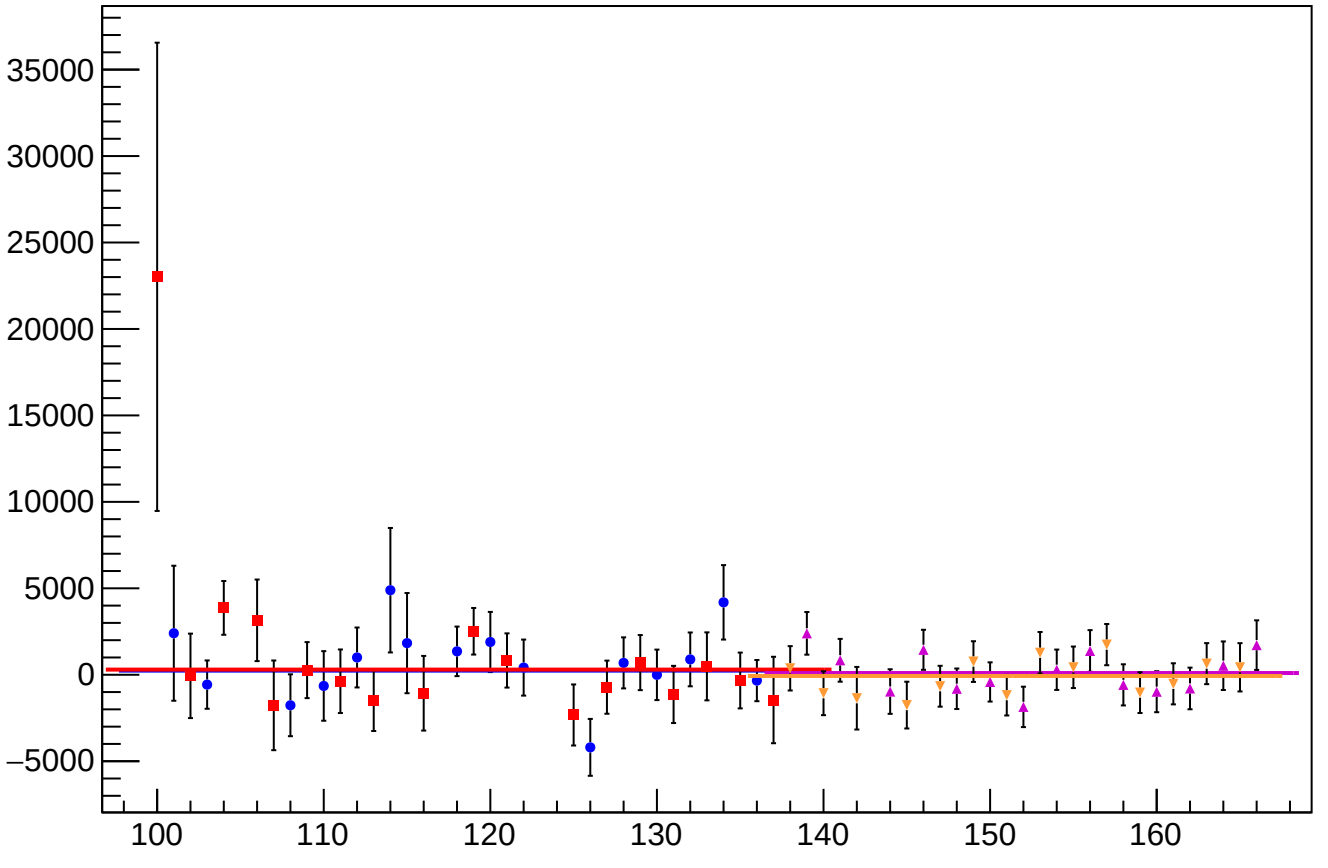
Left: 465.534+/-0.070 χ^2/NDF: 852439.0/27

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.906+/-0.075 χ^2/NDF:2376871.1/29

Out: 427.521+/-0.074 χ^2/NDF:2484625.5/31

All: 434.171+/-0.053 χ^2/NDF: 4877691.3/61



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -69.220+/-333.613 χ^2/NDF:9.5/13

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 100.298+/-325.826 χ^2/NDF:13.7/13

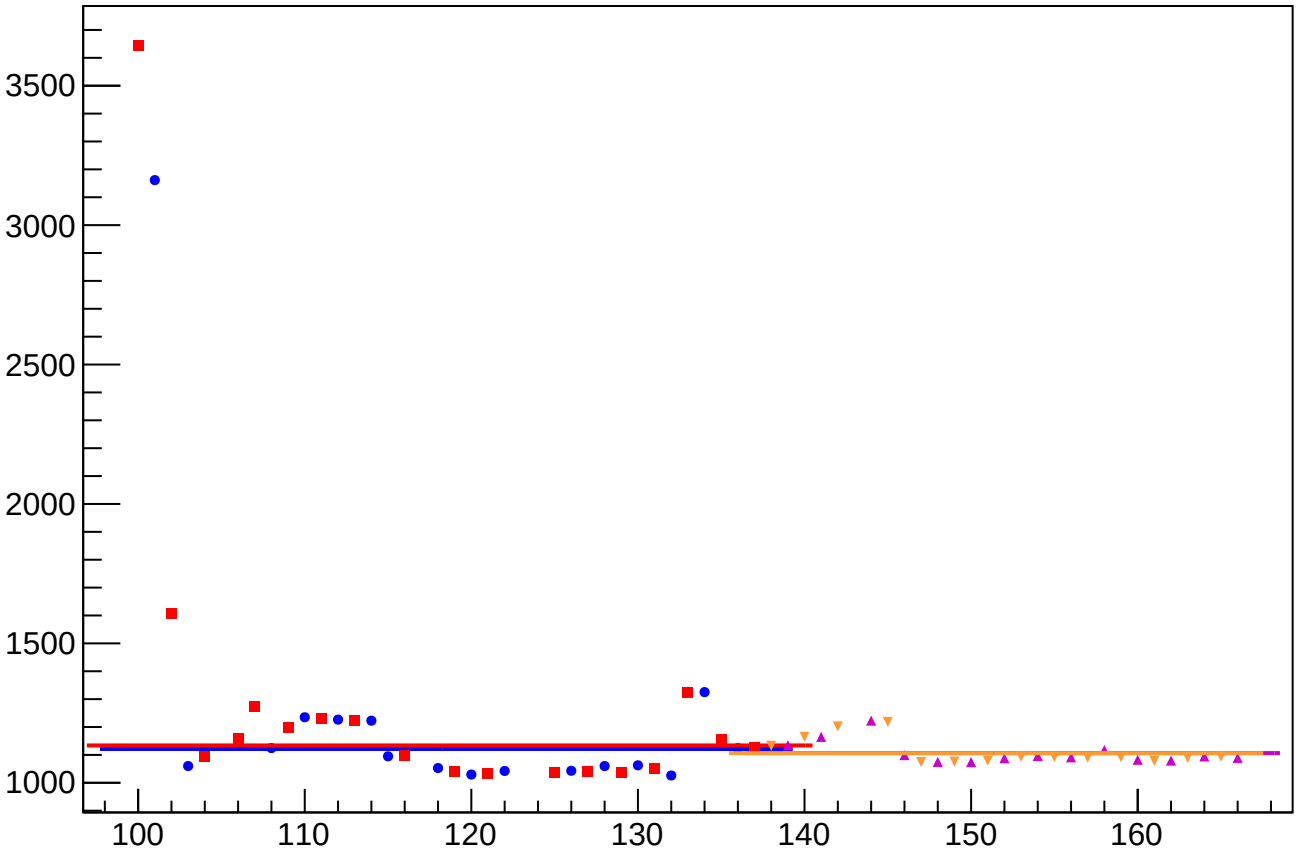
Left: 17.541+/-233.098 χ^2/NDF: 23.3/27

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 152.074+/-258.937 χ^2/NDF:30.7/29

Out: 68.803+/-263.761 χ^2/NDF:28.6/31

All: 111.207+/-184.778 χ^2/NDF: 59.4/61



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1106.266+/-0.236 χ^2/NDF:31118.6/13

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1106.493+/-0.230 χ^2/NDF:28319.8/13

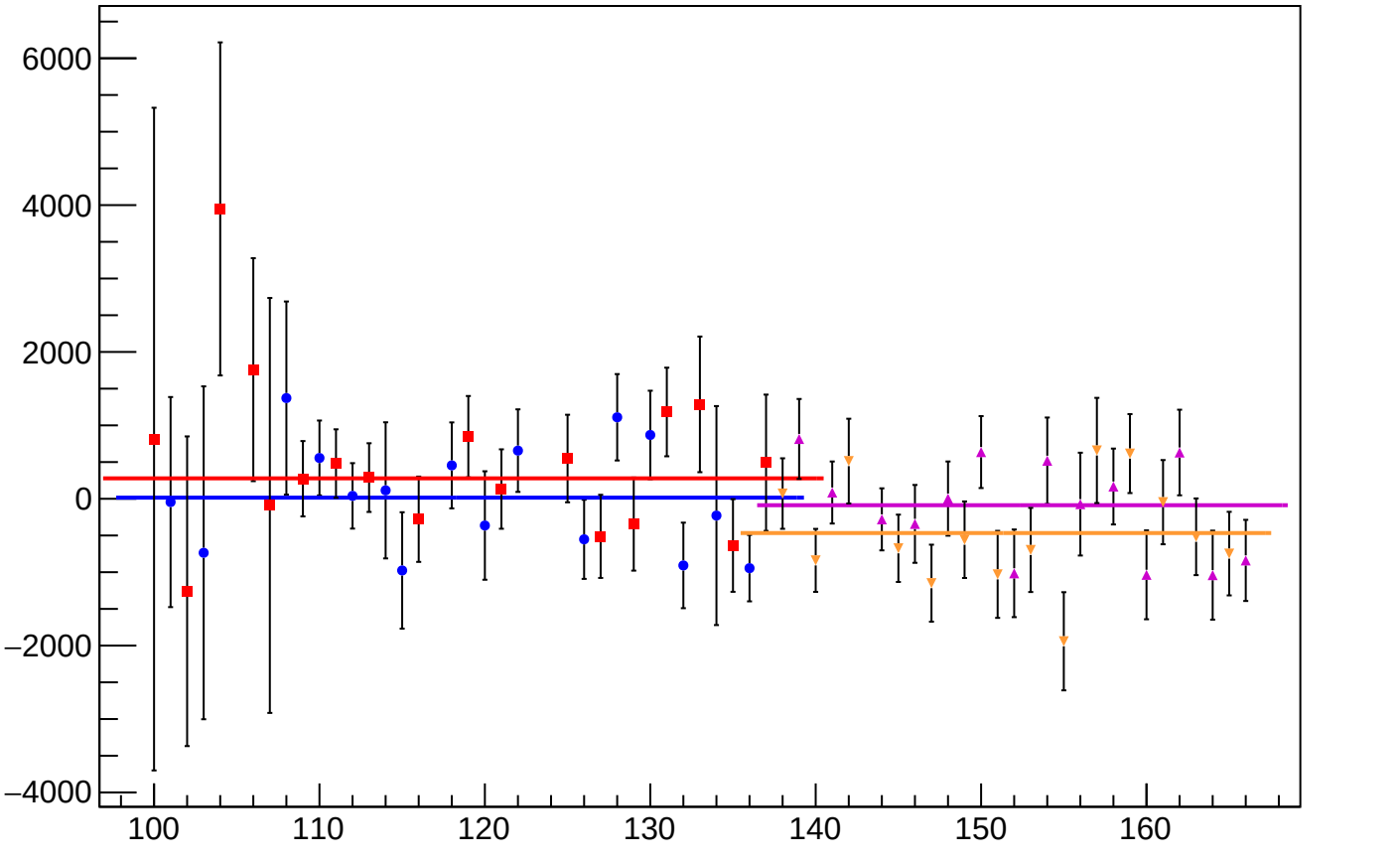
Left: 1106.382+/-0.165 χ^2/NDF: 59438.9/27

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

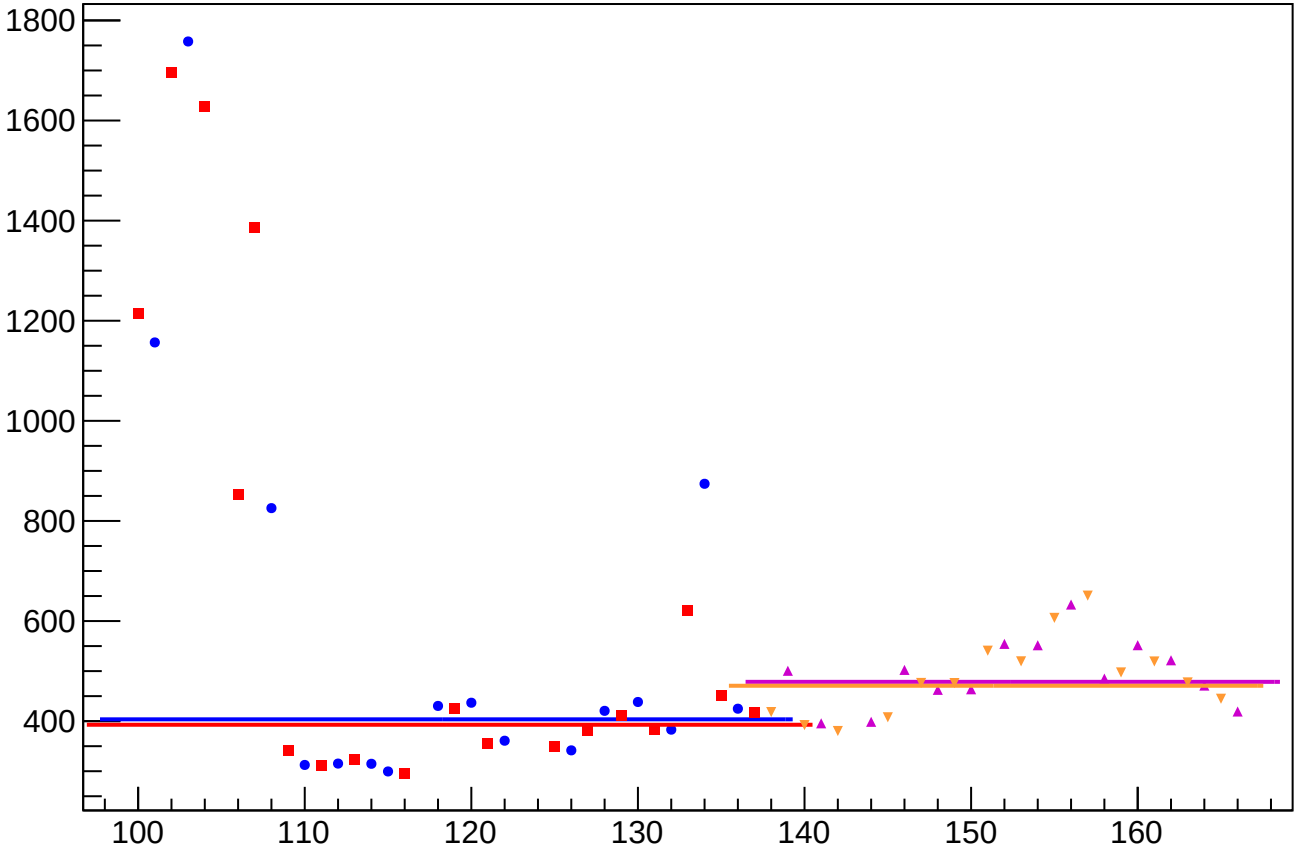
In: 1111.946+/-0.183 χ^2/NDF:646868.8/29

Out: 1116.638+/-0.187 χ^2/NDF:263731.3/31

All: 1114.248+/-0.131 χ^2/NDF: 910922.3/61


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -466.608+/-144.054 χ²/NDF:20.1/13
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: -87.692+/-142.337 χ²/NDF:17.6/13
Left: -274.879+/-101.249 χ²/NDF: 41.1/27
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: -42.778+/-106.883 χ²/NDF:37.4/29
Out: -130.425+/-106.703 χ²/NDF:47.2/31
All: -86.675+/-75.514 χ²/NDF: 84.9/61

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 470.734+/-0.102 χ^2/NDF:453311.6/13

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 478.549+/-0.101 χ^2/NDF:383712.6/13

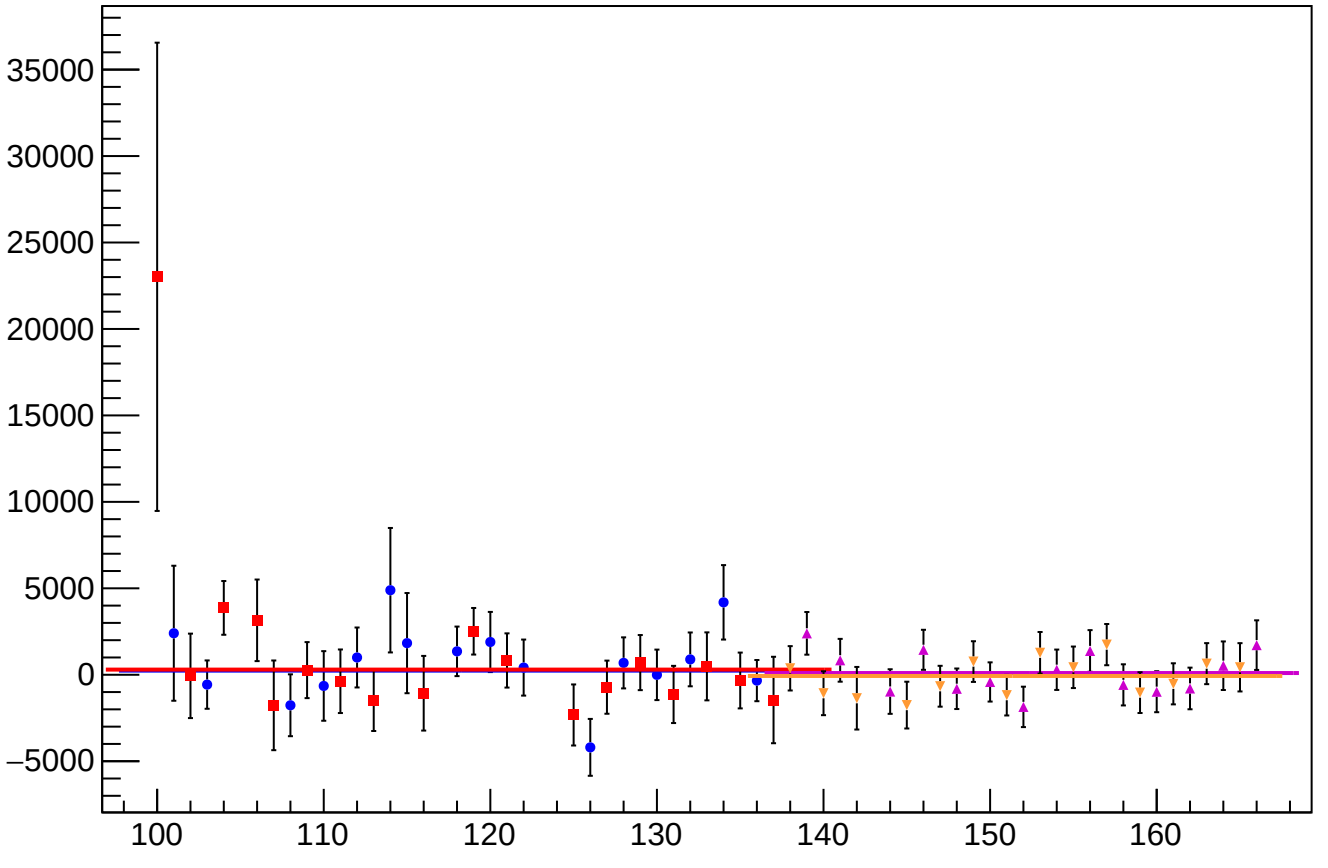
Left: 474.688+/-0.072 χ^2/NDF: 840002.2/27

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 445.886+/-0.076 χ^2/NDF:2554795.1/29

Out: 435.569+/-0.075 χ^2/NDF:2920833.2/31

All: 440.719+/-0.053 χ^2/NDF: 5484961.1/61



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -69.224+/-333.613 χ^2/NDF:9.5/13

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 100.299+/-325.826 χ^2/NDF:13.7/13

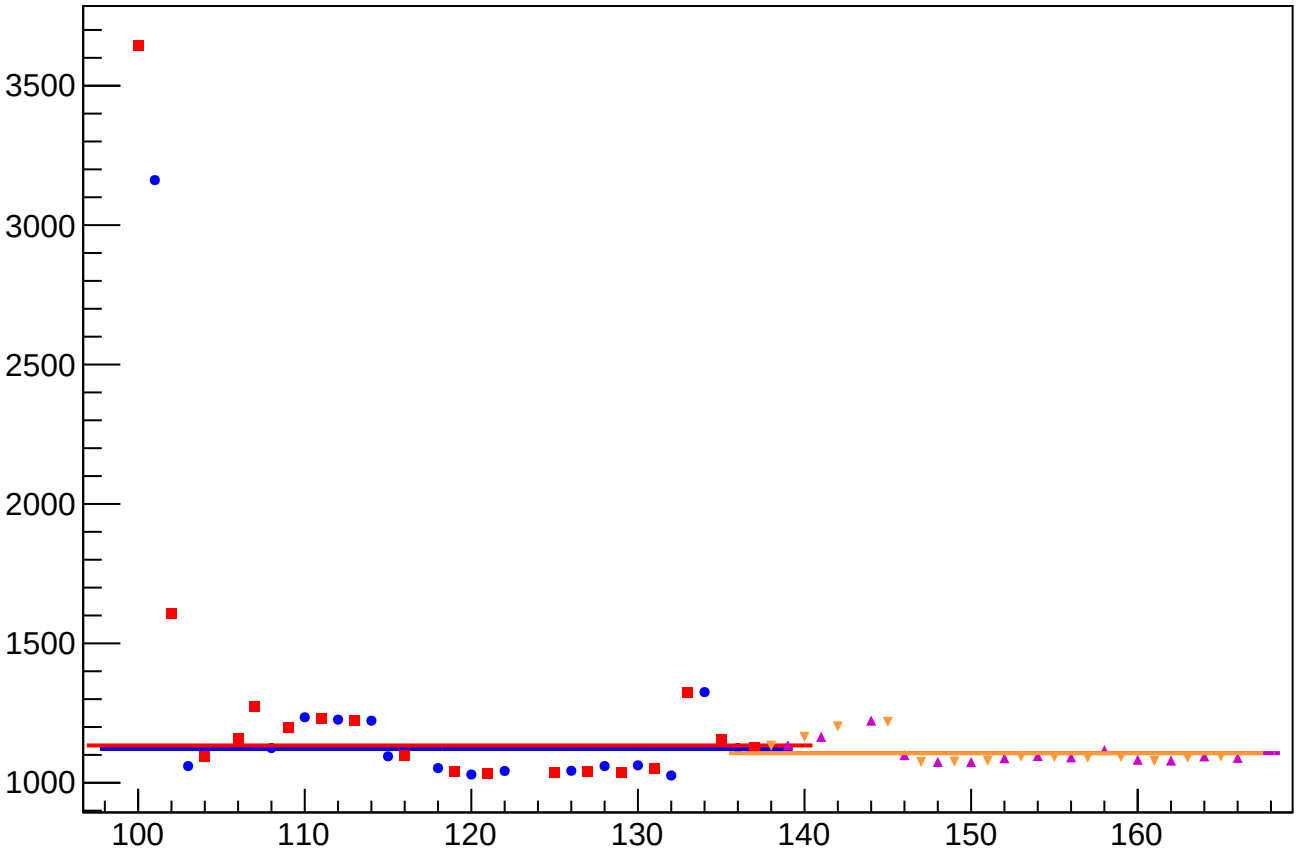
Left: 17.539+/-233.098 χ^2/NDF: 23.3/27

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 152.075+/-258.937 χ^2/NDF:30.7/29

Out: 68.801+/-263.761 χ^2/NDF:28.6/31

All: 111.207+/-184.778 χ^2/NDF: 59.4/61



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1106.266+/-0.236 χ^2/NDF:31118.6/13

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1106.493+/-0.230 χ^2/NDF:28319.8/13

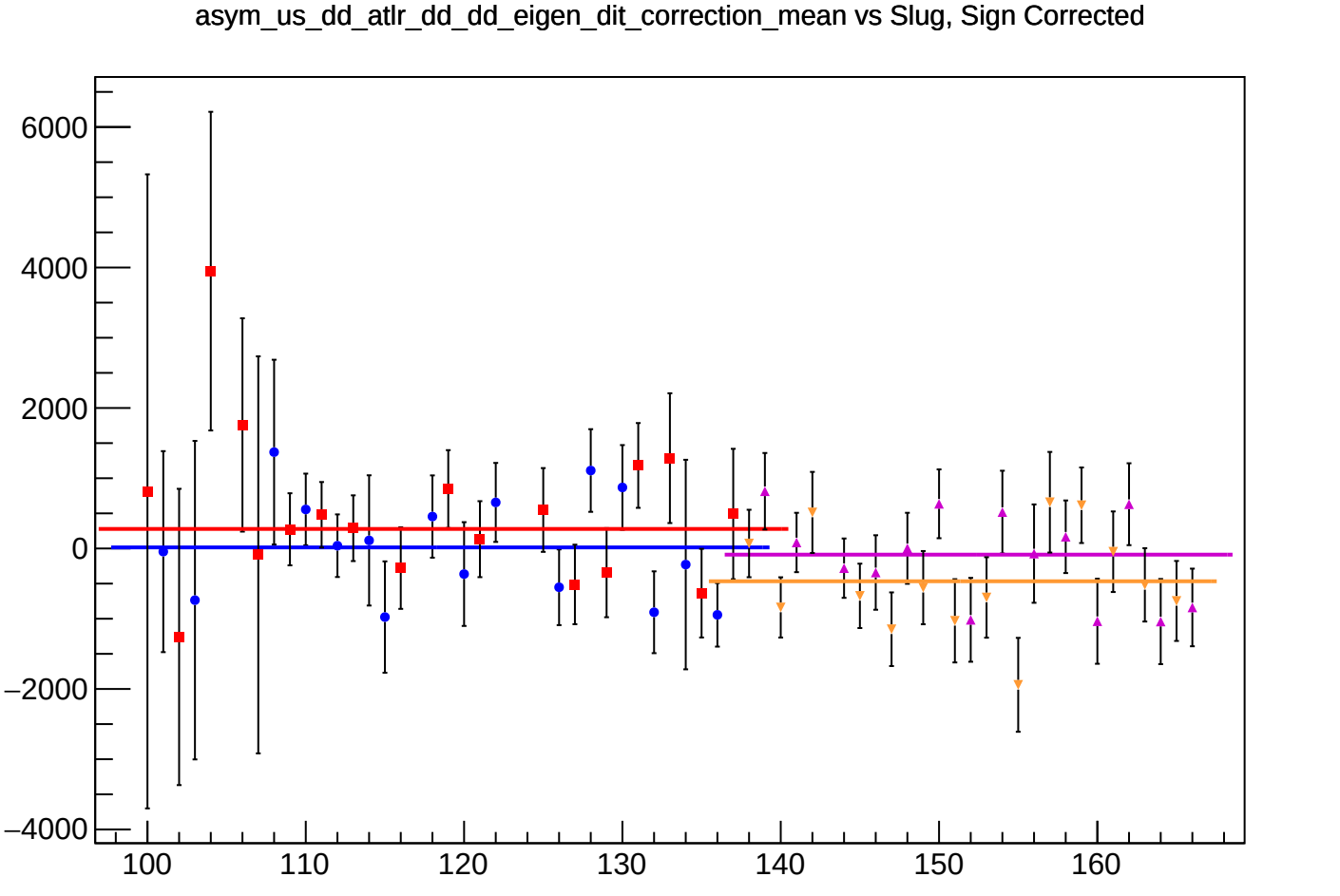
Left: 1106.382+/-0.165 χ^2/NDF: 59439.0/27

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

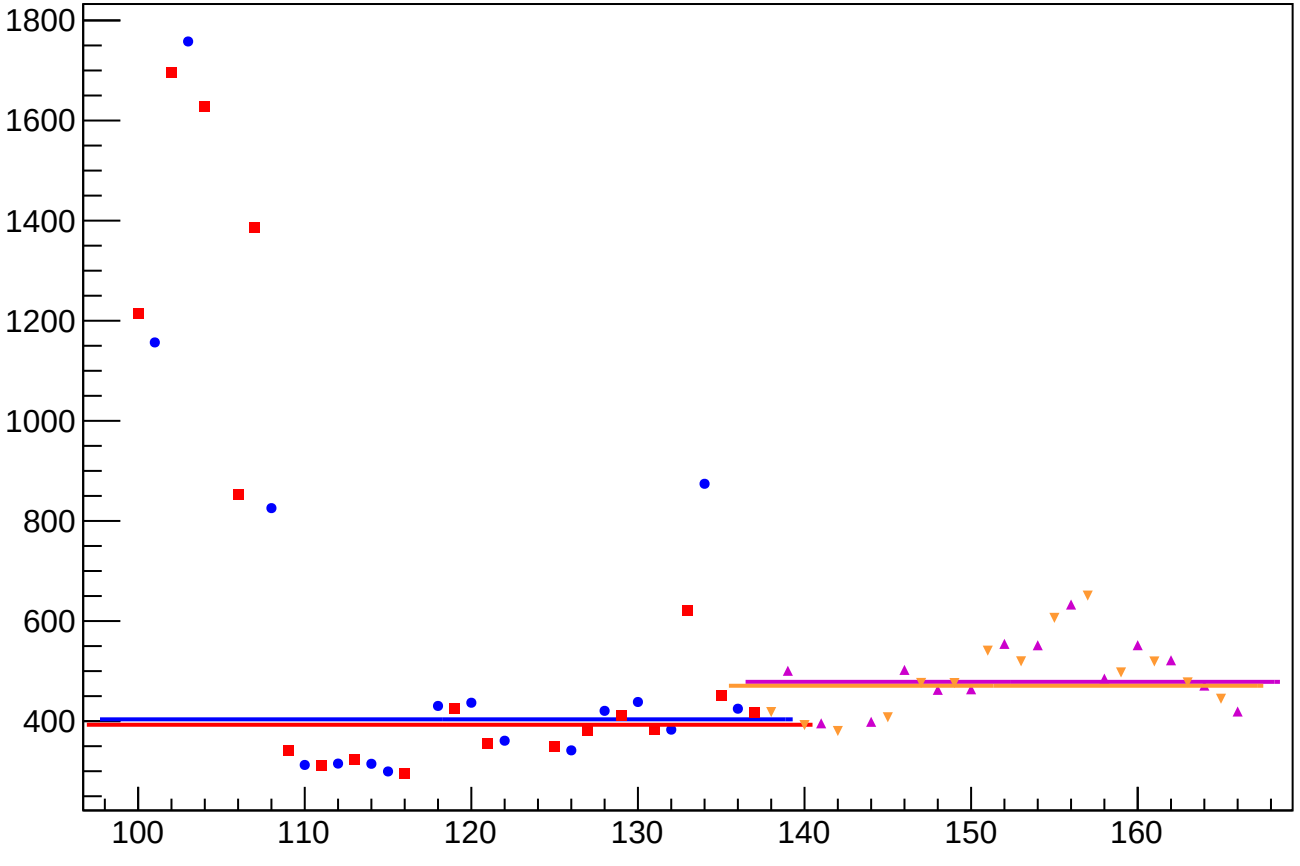
In: 1111.946+/-0.183 χ^2/NDF:646868.9/29

Out: 1116.638+/-0.187 χ^2/NDF:263731.4/31

All: 1114.248+/-0.131 χ^2/NDF: 910922.5/61


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -466.611+/-144.054 χ²/NDF:20.1/13
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -87.692+/-142.337 χ²/NDF:17.6/13
Left: -274.880+/-101.249 χ²/NDF: 41.1/27
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -42.779+/-106.883 χ²/NDF:37.4/29
Out: -130.424+/-106.703 χ²/NDF:47.2/31
All: -86.675+/-75.514 χ²/NDF: 84.9/61

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 470.734+/-0.102 χ^2/NDF:453333.9/13

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 478.550+/-0.101 χ^2/NDF:383723.8/13

Left: 474.689+/-0.072 χ^2/NDF: 840036.3/27

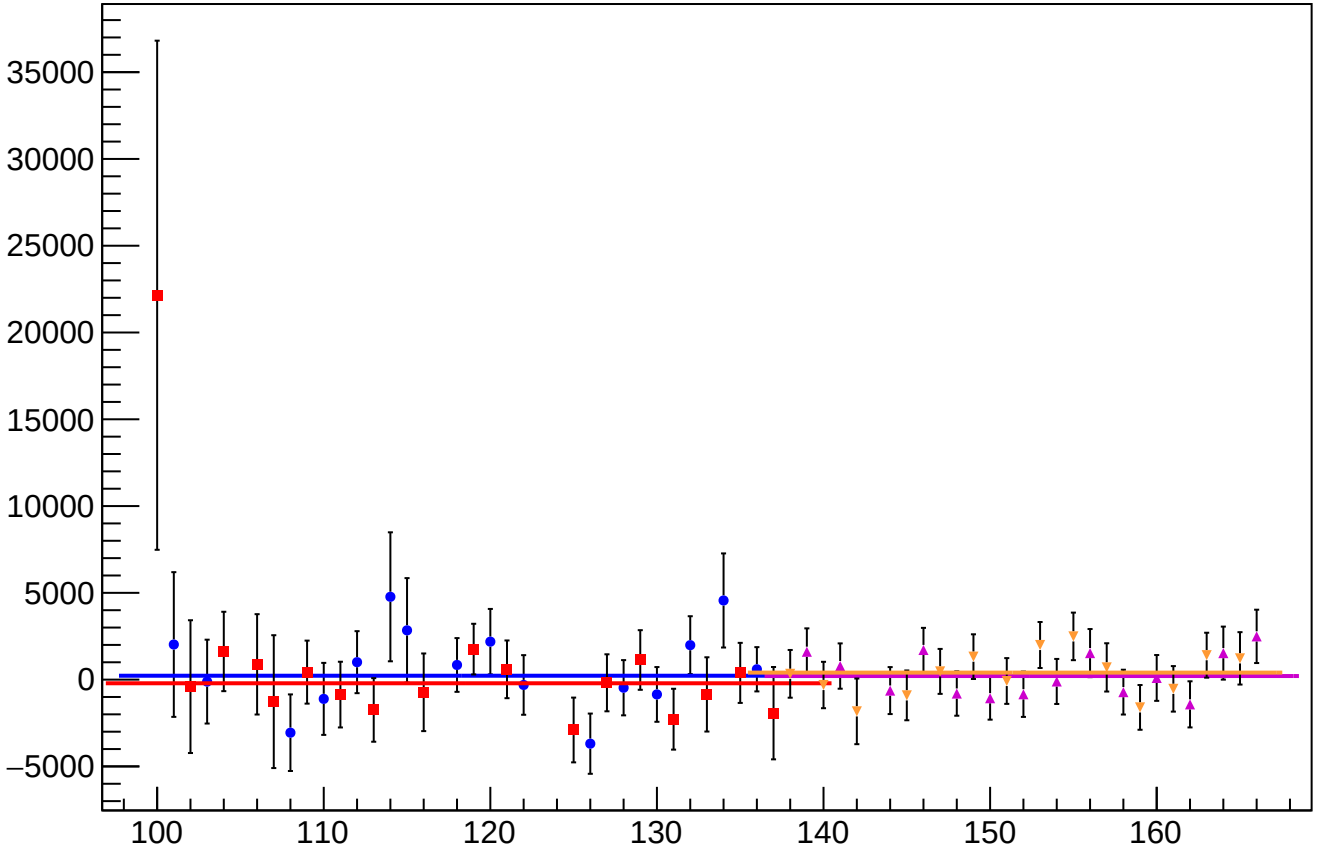
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 445.885+/-0.076 χ^2/NDF:2554830.4/29

Out: 435.567+/-0.075 χ^2/NDF:2920886.7/31

All: 440.717+/-0.053 χ^2/NDF: 5485051.1/61

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 404.668+/-365.972 χ^2/NDF:10.8/13

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 207.311+/-356.677 χ^2/NDF:11.3/13

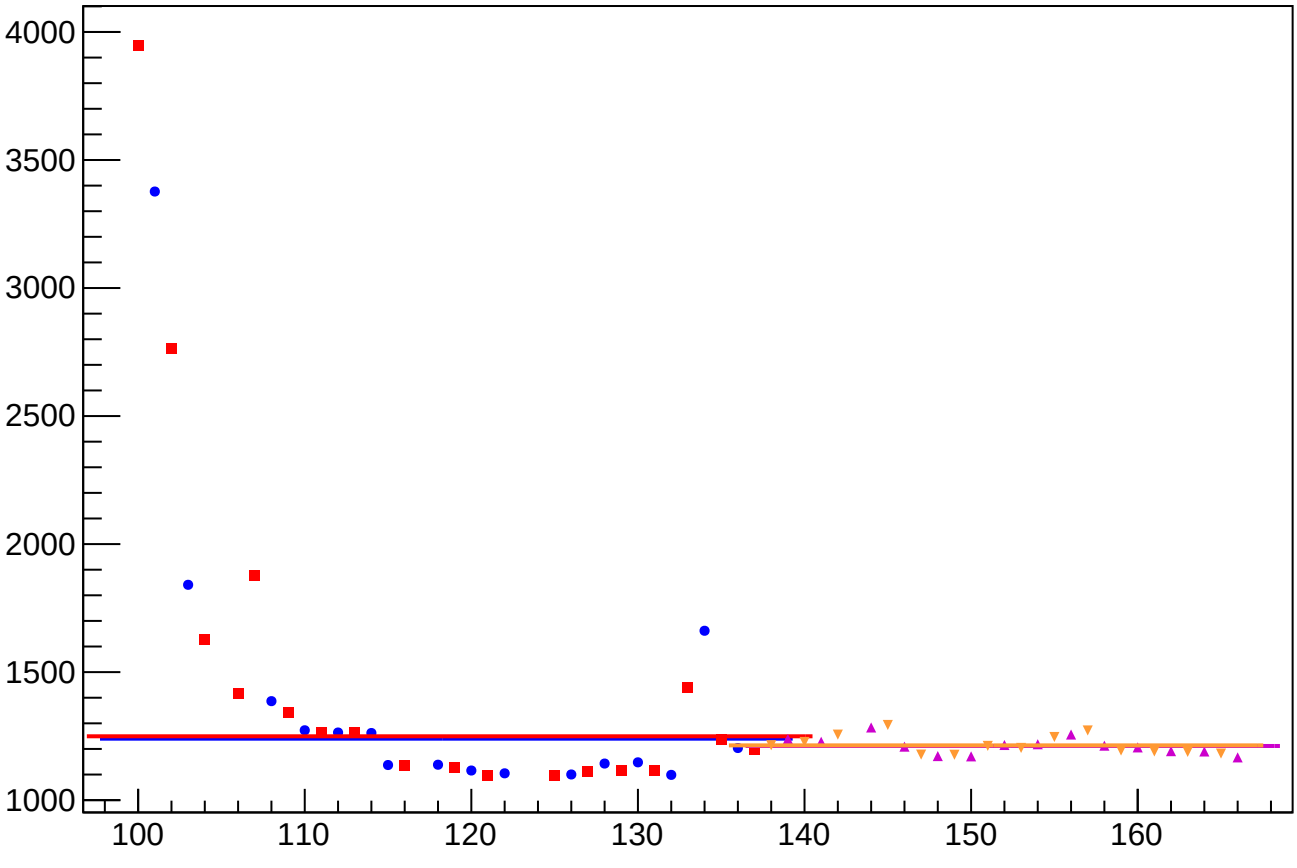
Left: 303.451+/-255.432 χ^2/NDF: 22.3/27

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 213.630+/-285.123 χ^2/NDF:27.5/29

Out: 177.496+/-290.542 χ^2/NDF:22.8/31

All: 195.903+/-203.501 χ^2/NDF: 50.3/61



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1213.930+/-0.259 χ^2/NDF:18110.6/13

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1211.548+/-0.252 χ^2/NDF:15634.1/13

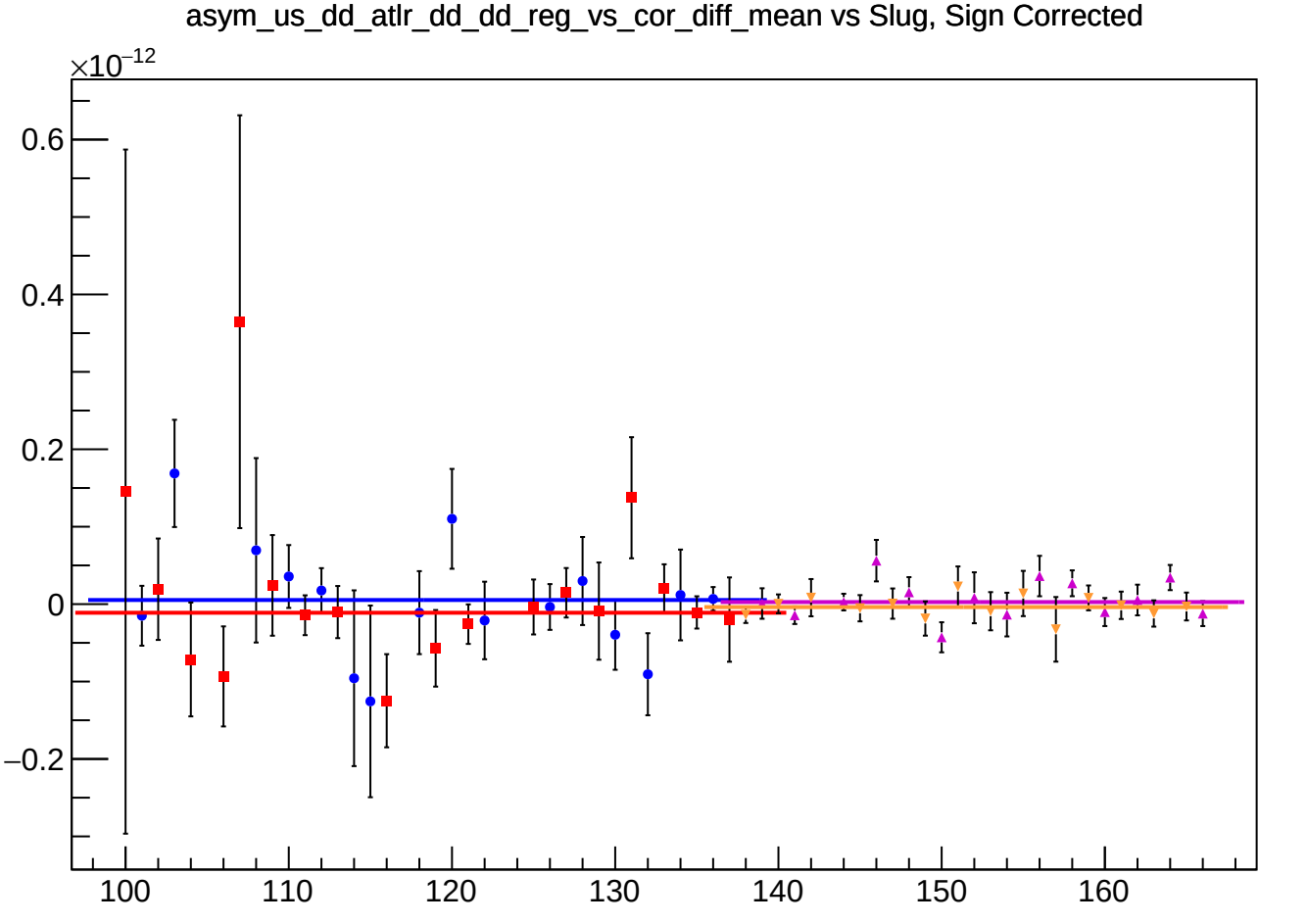
Left: 1212.708+/-0.181 χ^2/NDF: 33788.2/27

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1221.869+/-0.202 χ^2/NDF:802953.2/29

Out: 1227.048+/-0.205 χ^2/NDF:631160.3/31

All: 1224.410+/-0.144 χ^2/NDF: 1434437.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/13

Left: -0.000+/-0.000 χ^2/NDF: 26.9/27

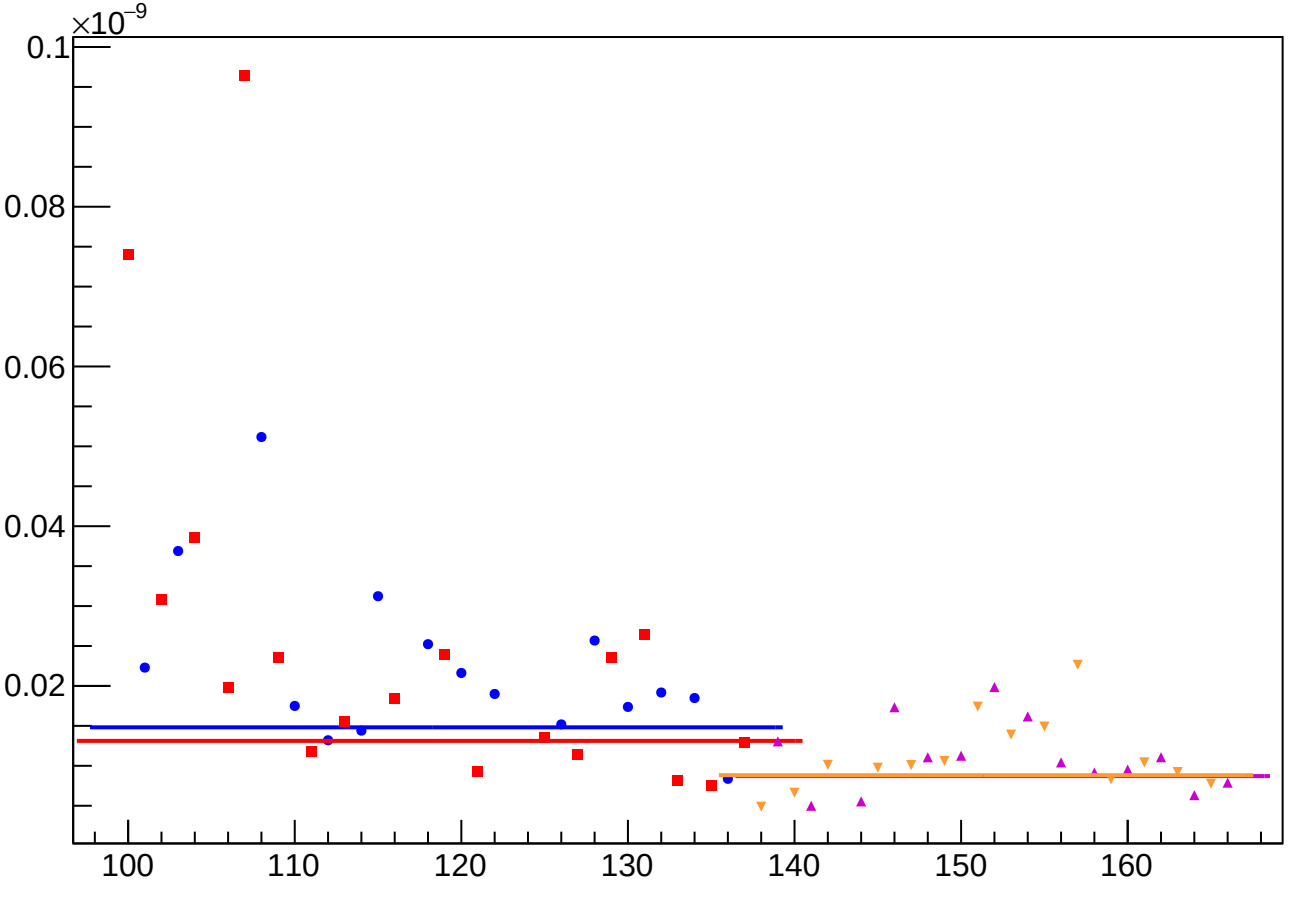
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:37.9/29

Out: -0.000+/-0.000 χ^2/NDF:20.0/31

All: -0.000+/-0.000 χ^2/NDF: 59.9/61

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1009893.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1216860.8/13

Left: 0.000+/-0.000 χ^2/NDF: 2227312.6/27

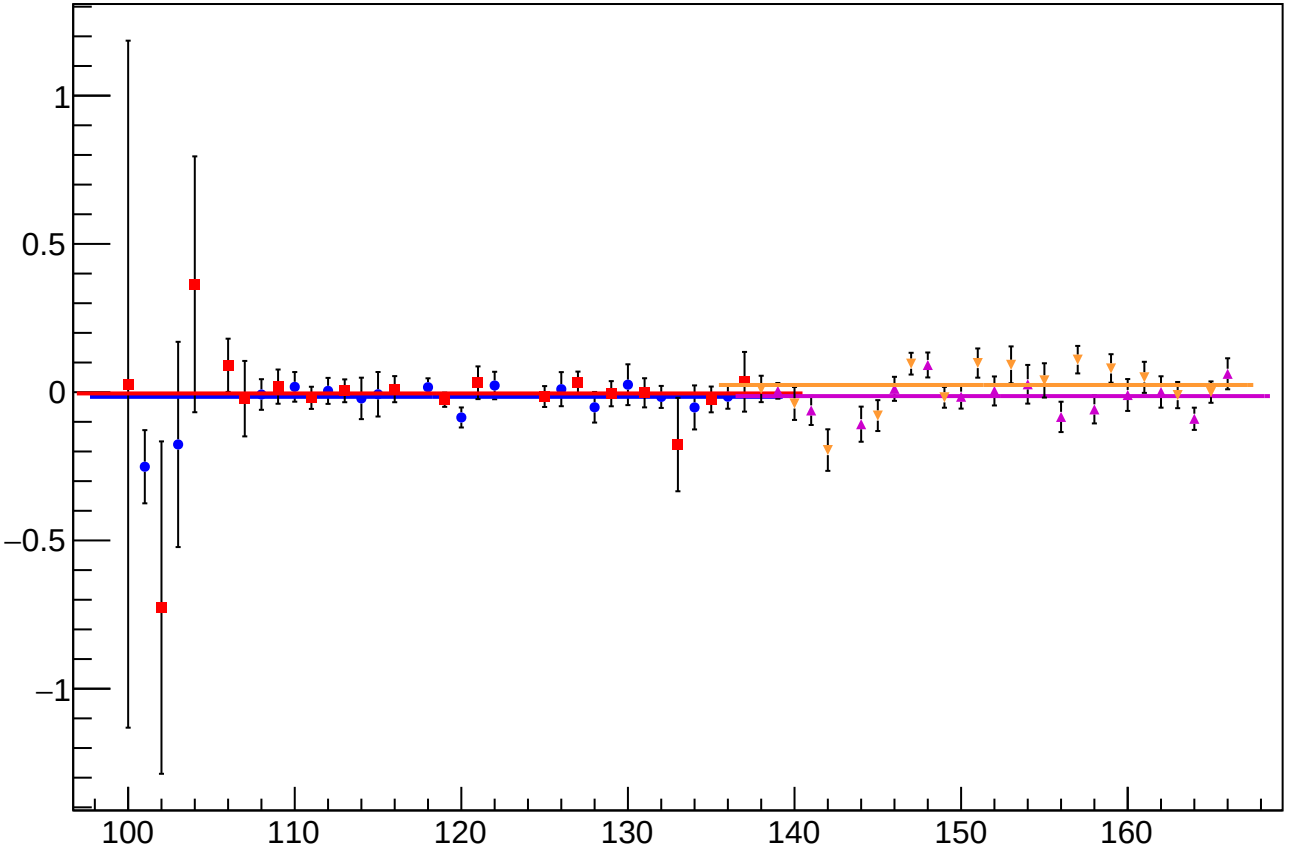
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2947434.1/29

Out: 0.000+/-0.000 χ^2/NDF:2525591.7/31

All: 0.000+/-0.000 χ^2/NDF: 5474407.6/61

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.005+/-0.009 χ^2/NDF: 54.8/27

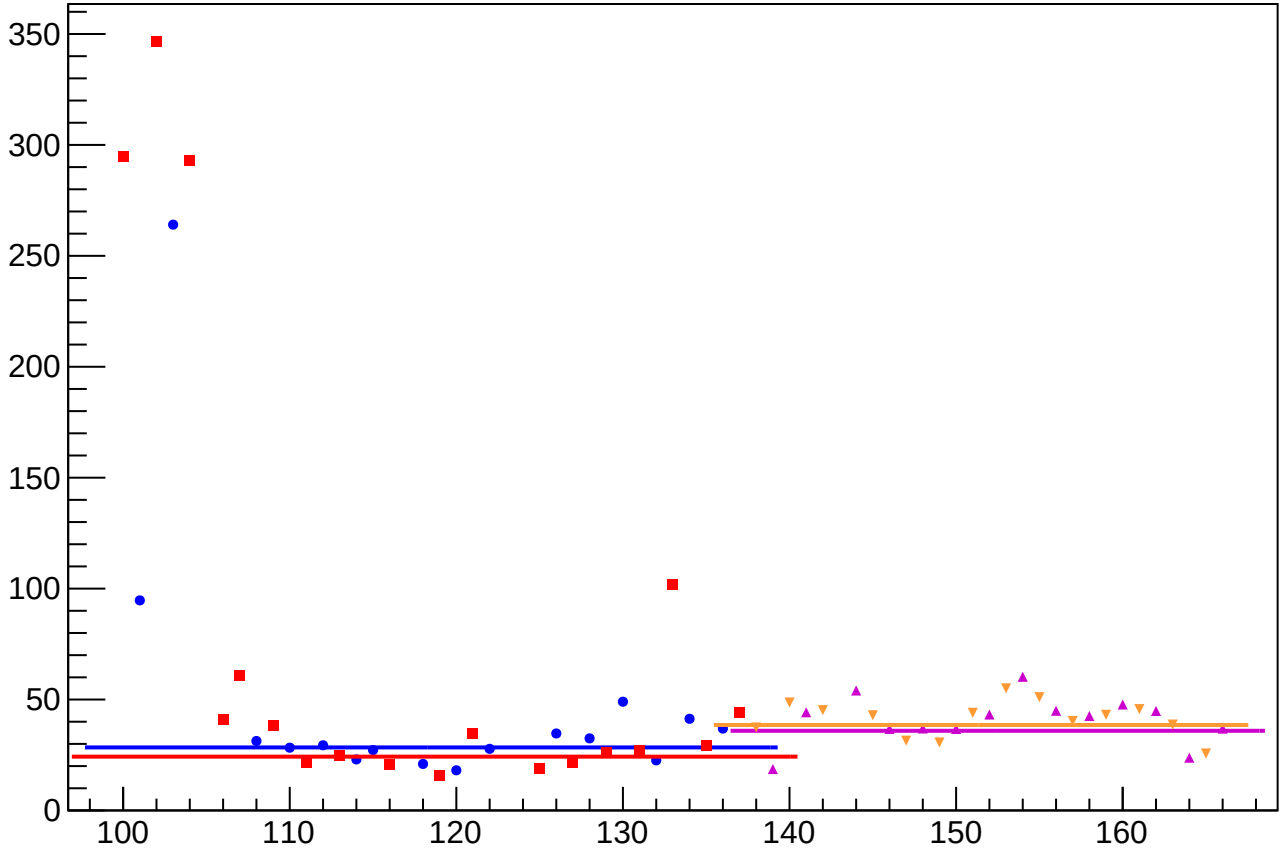
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.009+/-0.008 χ^2/NDF:40.6/31

All: -0.003+/-0.006 χ^2/NDF: 76.4/61

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.515+/-0.009 χ^2/NDF:848965.1/13

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.909+/-0.008 χ^2/NDF:1886576.7/13

Left: 37.144+/-0.006 χ^2/NDF: 2781769.7/27

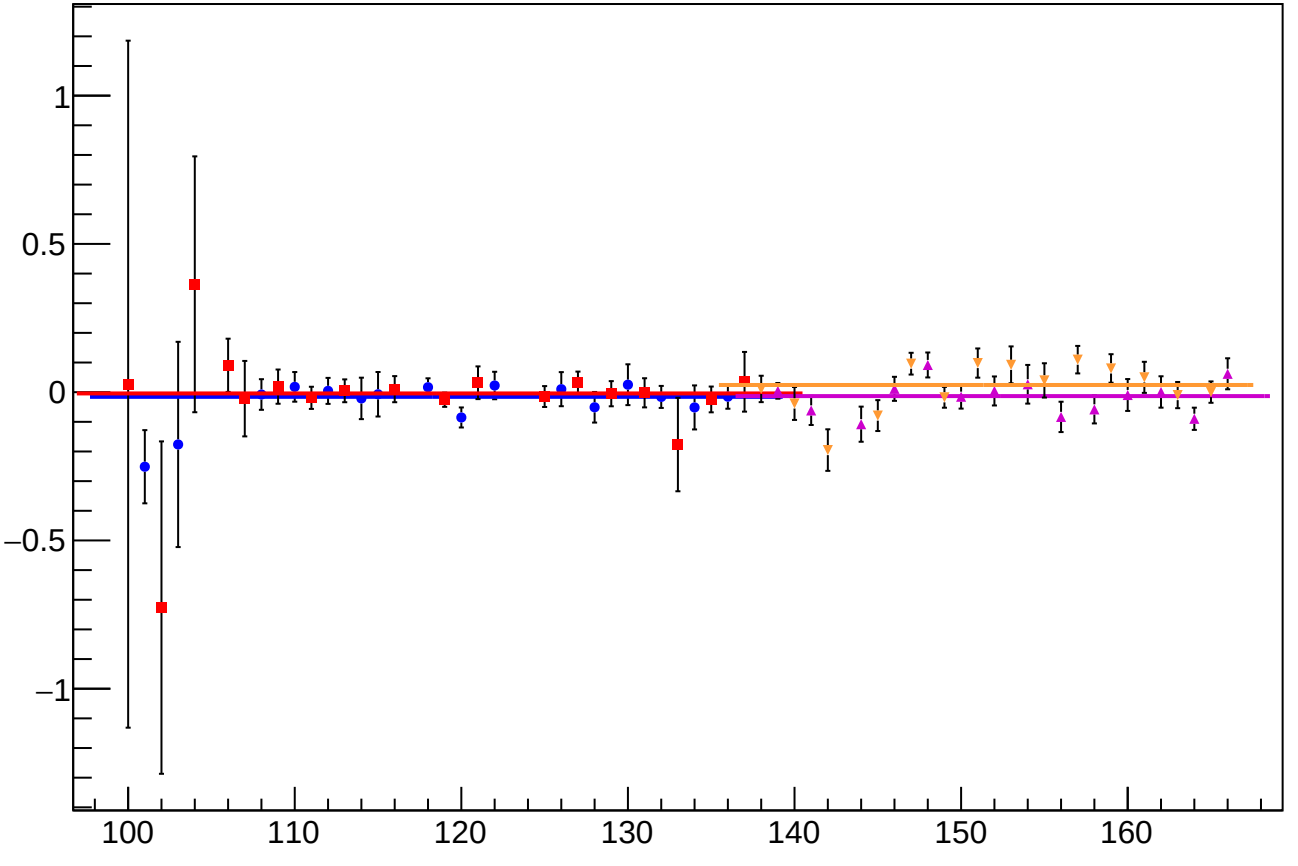
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.318+/-0.006 χ^2/NDF:4519063.1/29

Out: 30.792+/-0.006 χ^2/NDF:5187402.6/31

All: 31.546+/-0.004 χ^2/NDF: 9738950.8/61

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.005+/-0.009 χ^2/NDF: 54.8/27

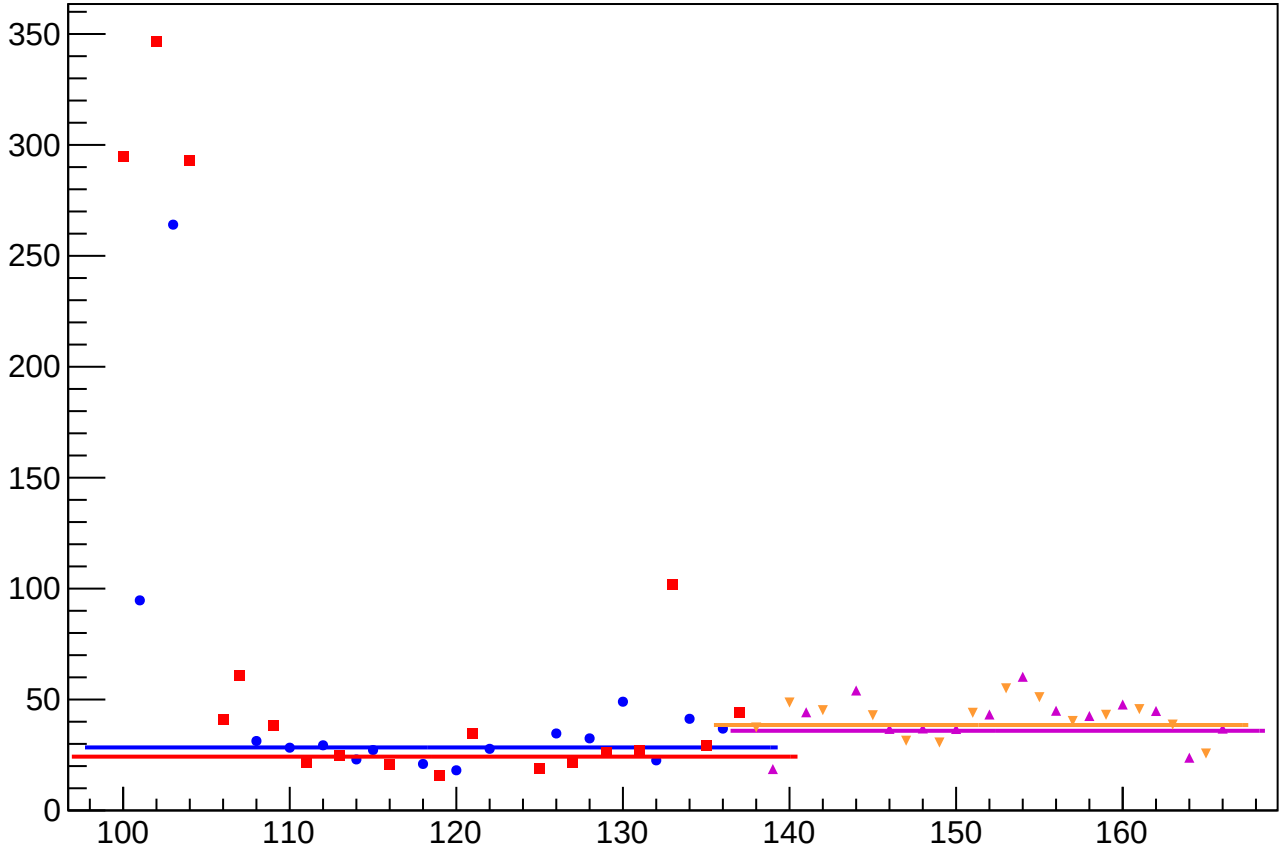
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.009+/-0.008 χ^2/NDF:40.6/31

All: -0.003+/-0.006 χ^2/NDF: 76.4/61

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.515+/-0.009 χ^2/NDF:848965.1/13

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.909+/-0.008 χ^2/NDF:1886576.7/13

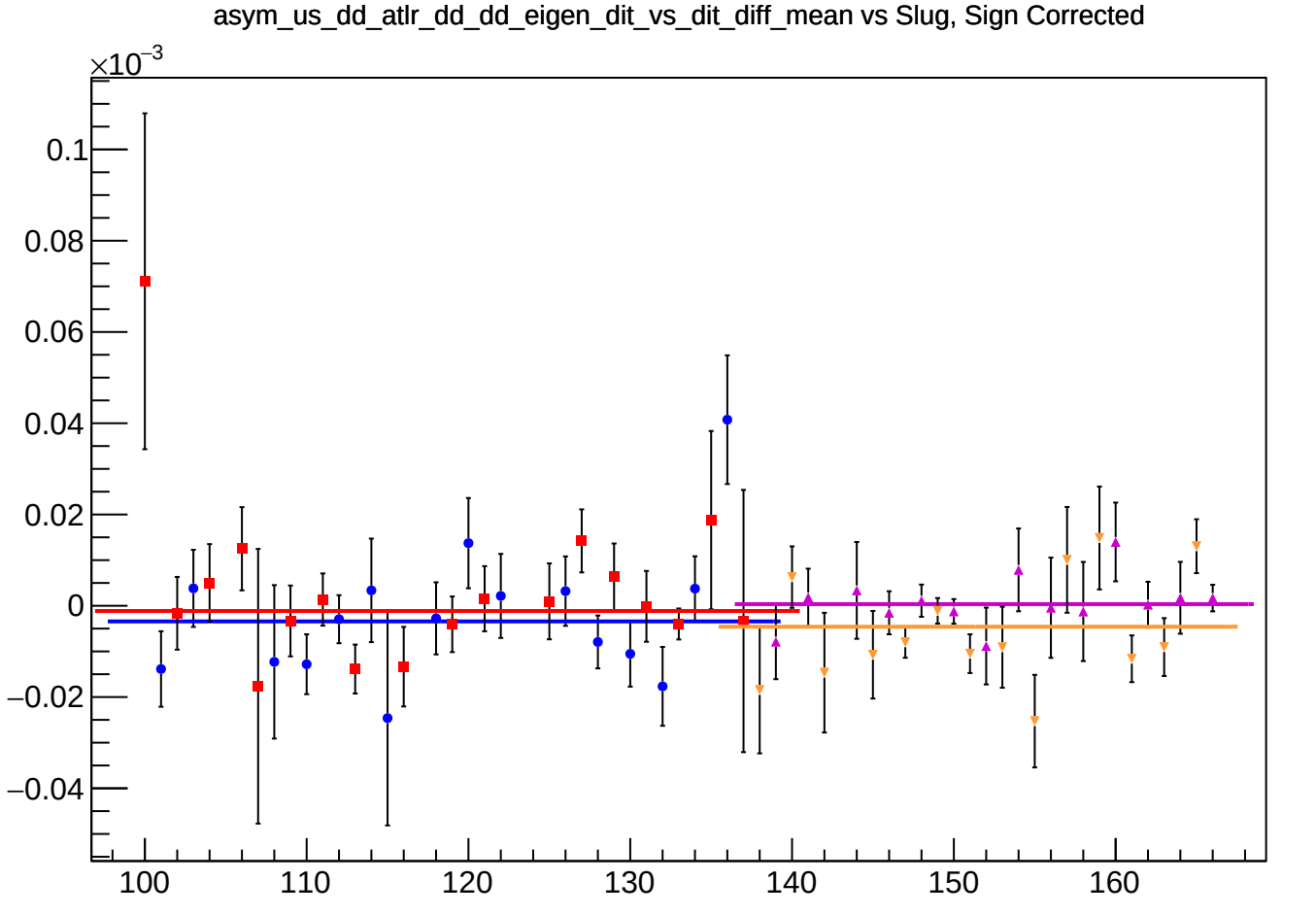
Left: 37.144+/-0.006 χ^2/NDF: 2781769.7/27

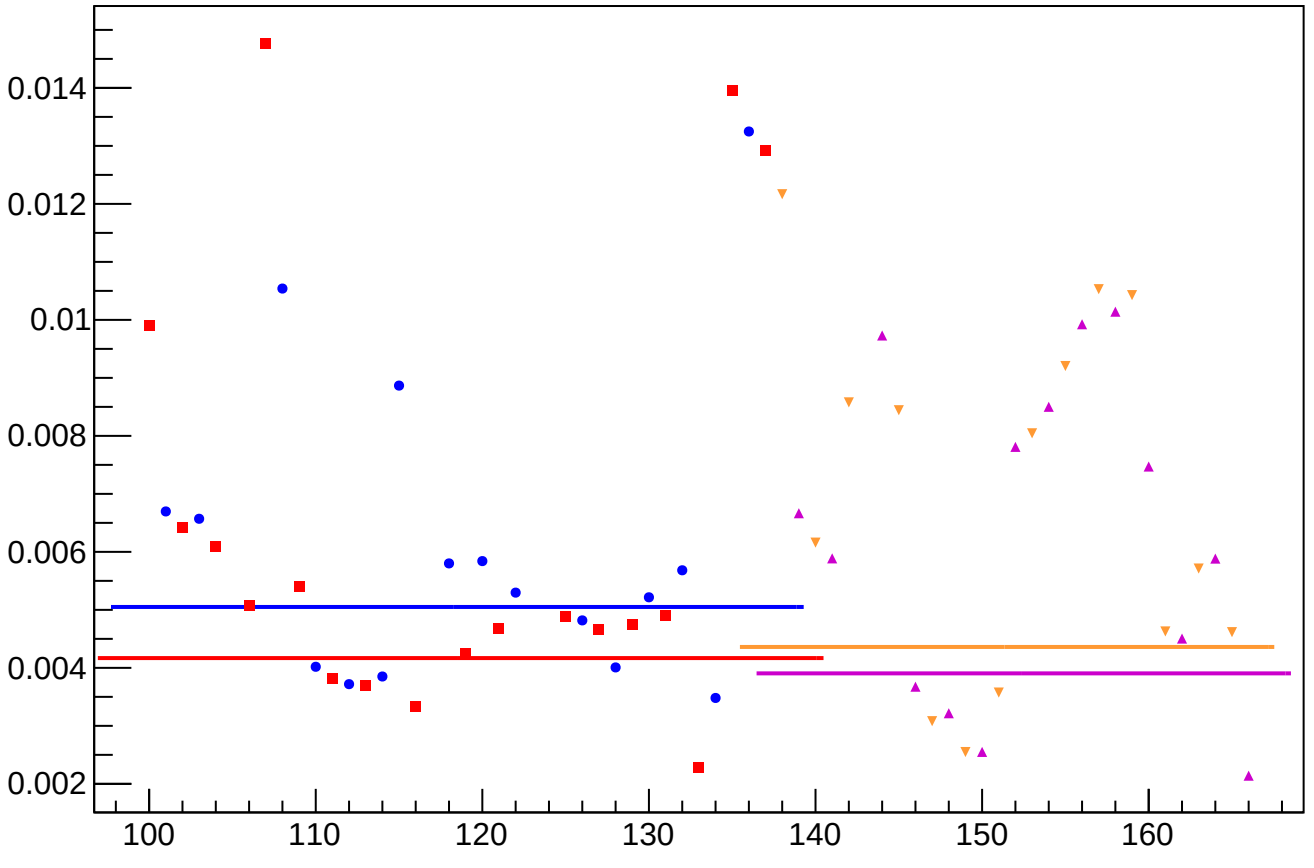
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.318+/-0.006 χ^2/NDF:4519063.1/29

Out: 30.792+/-0.006 χ^2/NDF:5187402.6/31

All: 31.546+/-0.004 χ^2/NDF: 9738950.8/61


asym_us_dd_atlr_dd_dd_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:29.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: 0.000+/-0.000 χ²/NDF:6.3/13
Left: -0.000+/-0.000 χ²/NDF: 41.7/27
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:33.9/29
Out: -0.000+/-0.000 χ²/NDF:54.7/31
All: -0.000+/-0.000 χ²/NDF: 90.6/61



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4587517.9/13

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:5050127.2/13

Left: 0.004+/-0.000 χ^2/NDF: 9738957.4/27

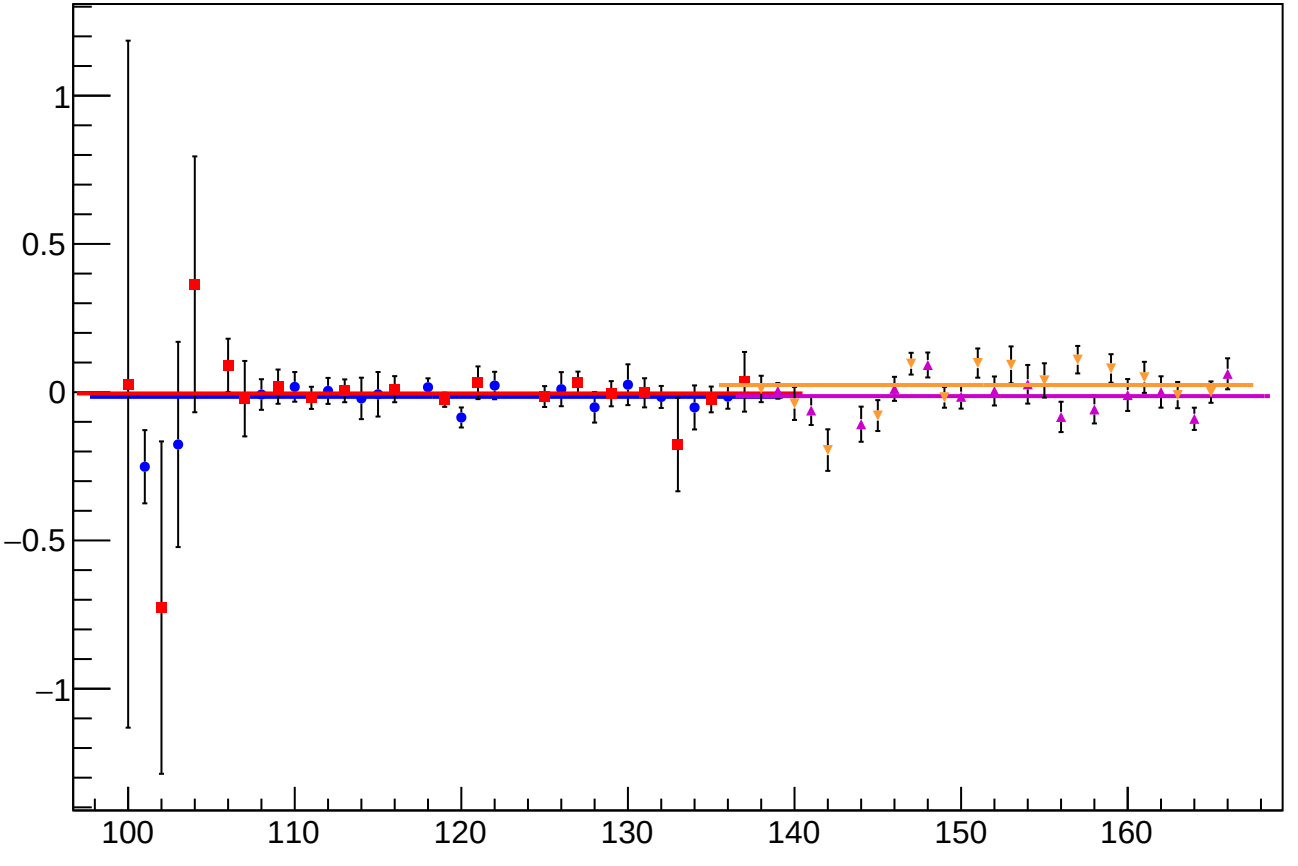
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:6985561.3/29

Out: 0.004+/-0.000 χ^2/NDF:6643829.2/31

All: 0.004+/-0.000 χ^2/NDF: 13629594.2/61

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.005+/-0.009 χ^2/NDF: 54.8/27

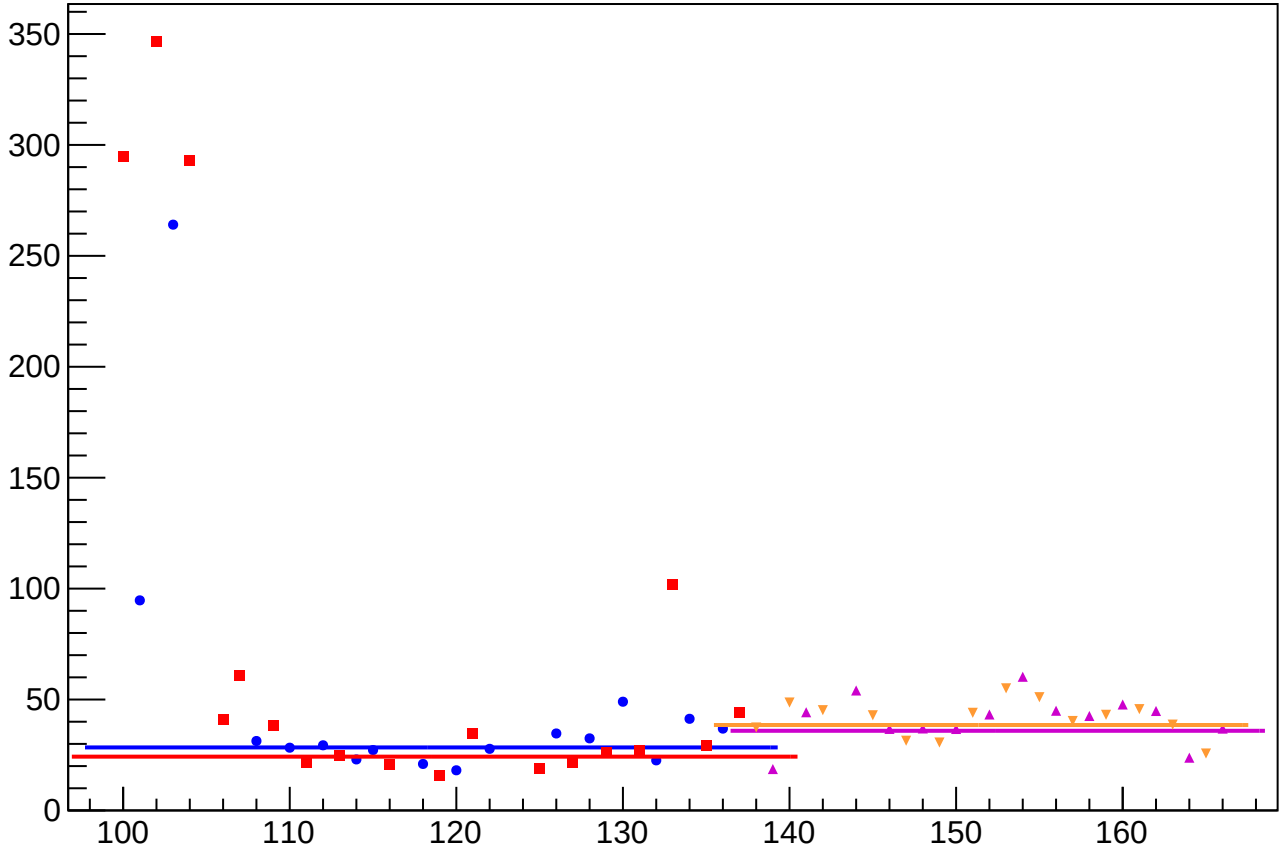
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.009+/-0.008 χ^2/NDF:40.5/31

All: -0.003+/-0.006 χ^2/NDF: 76.4/61

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.909+/-0.008 χ^2/NDF:1887017.6/13

Left: 37.144+/-0.006 χ^2/NDF: 2782381.4/27

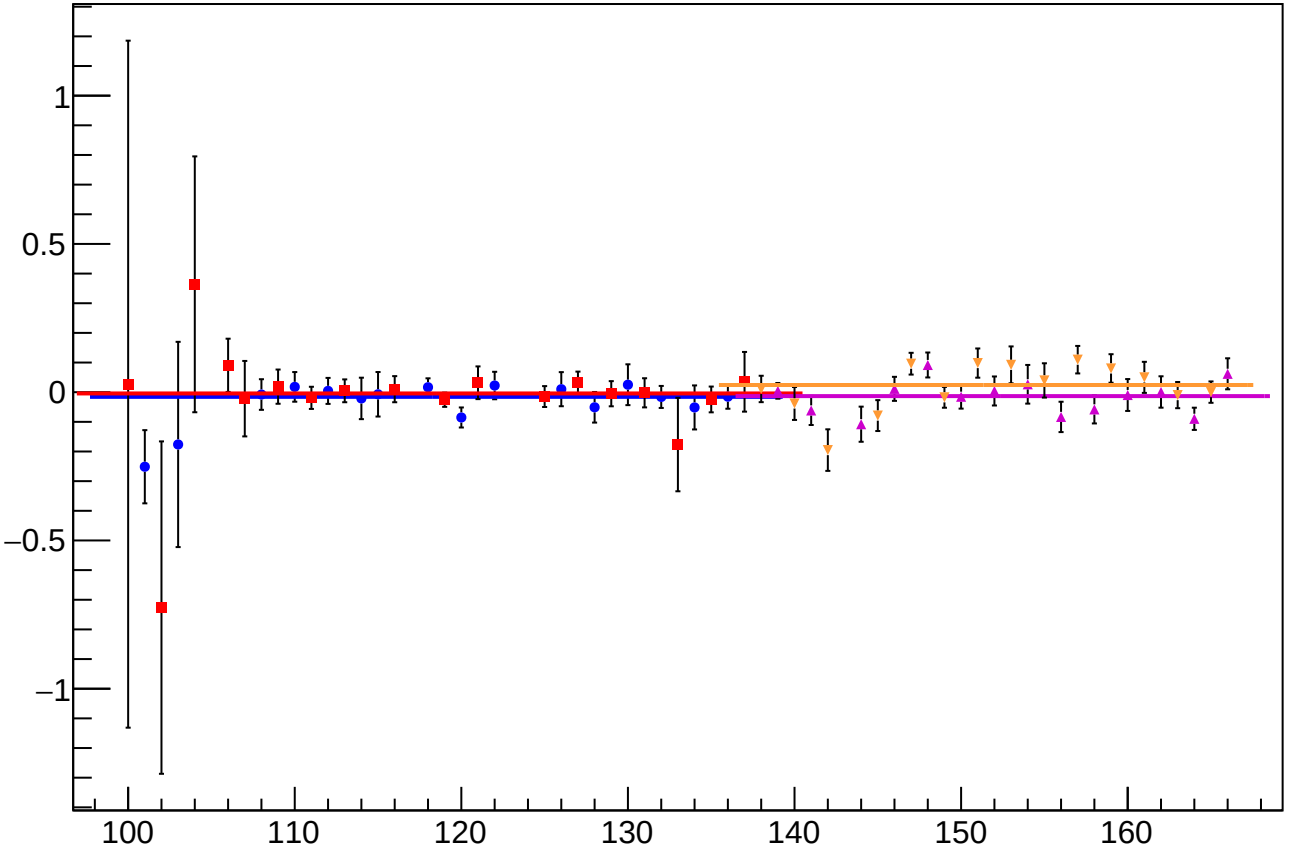
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.318+/-0.006 χ^2/NDF:4519492.5/29

Out: 30.791+/-0.006 χ^2/NDF:5188115.9/31

All: 31.545+/-0.004 χ^2/NDF: 9740142.8/61

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.013+/-0.012 χ^2/NDF:20.2/13

Left: 0.005+/-0.009 χ^2/NDF: 54.8/27

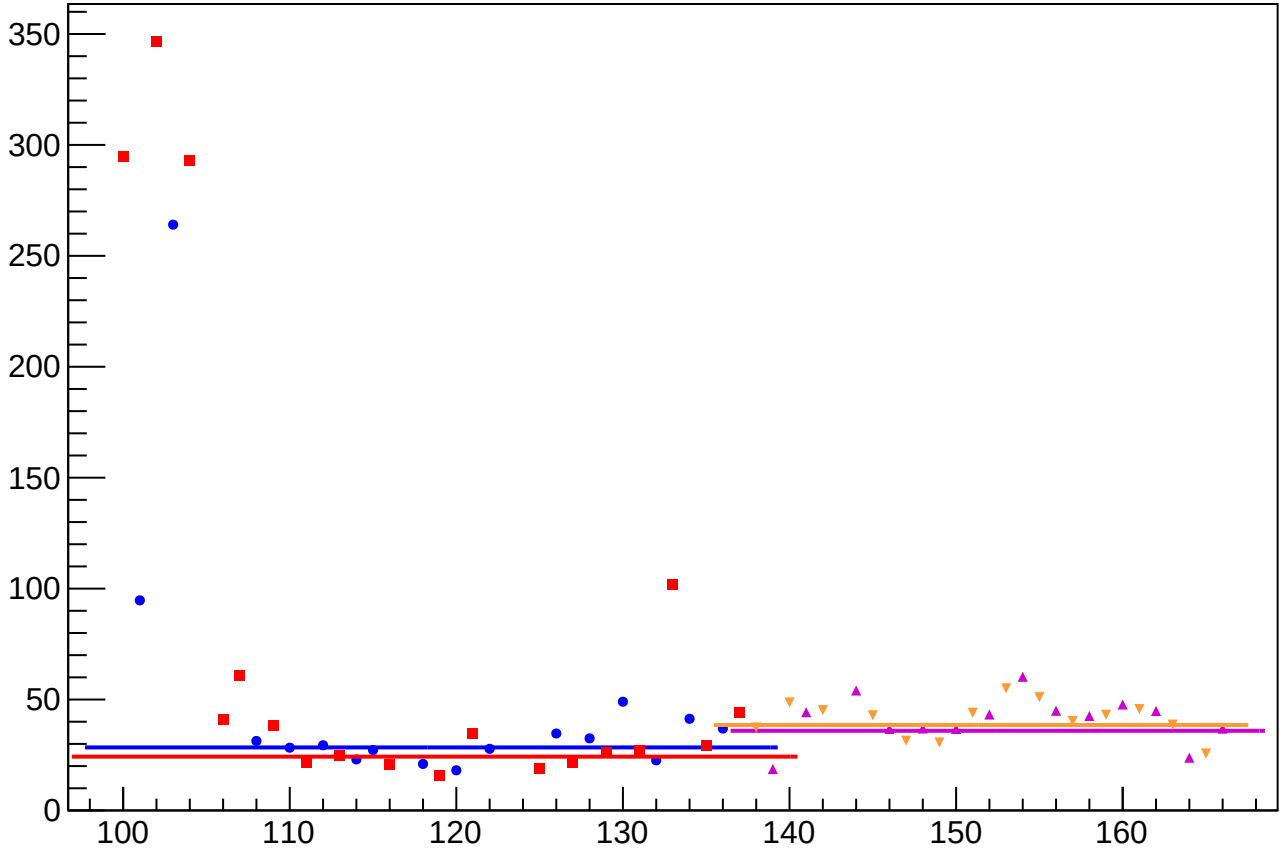
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.014+/-0.009 χ^2/NDF:32.1/29

Out: 0.009+/-0.008 χ^2/NDF:40.5/31

All: -0.003+/-0.006 χ^2/NDF: 76.4/61

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.909+/-0.008 χ^2/NDF:1887017.6/13

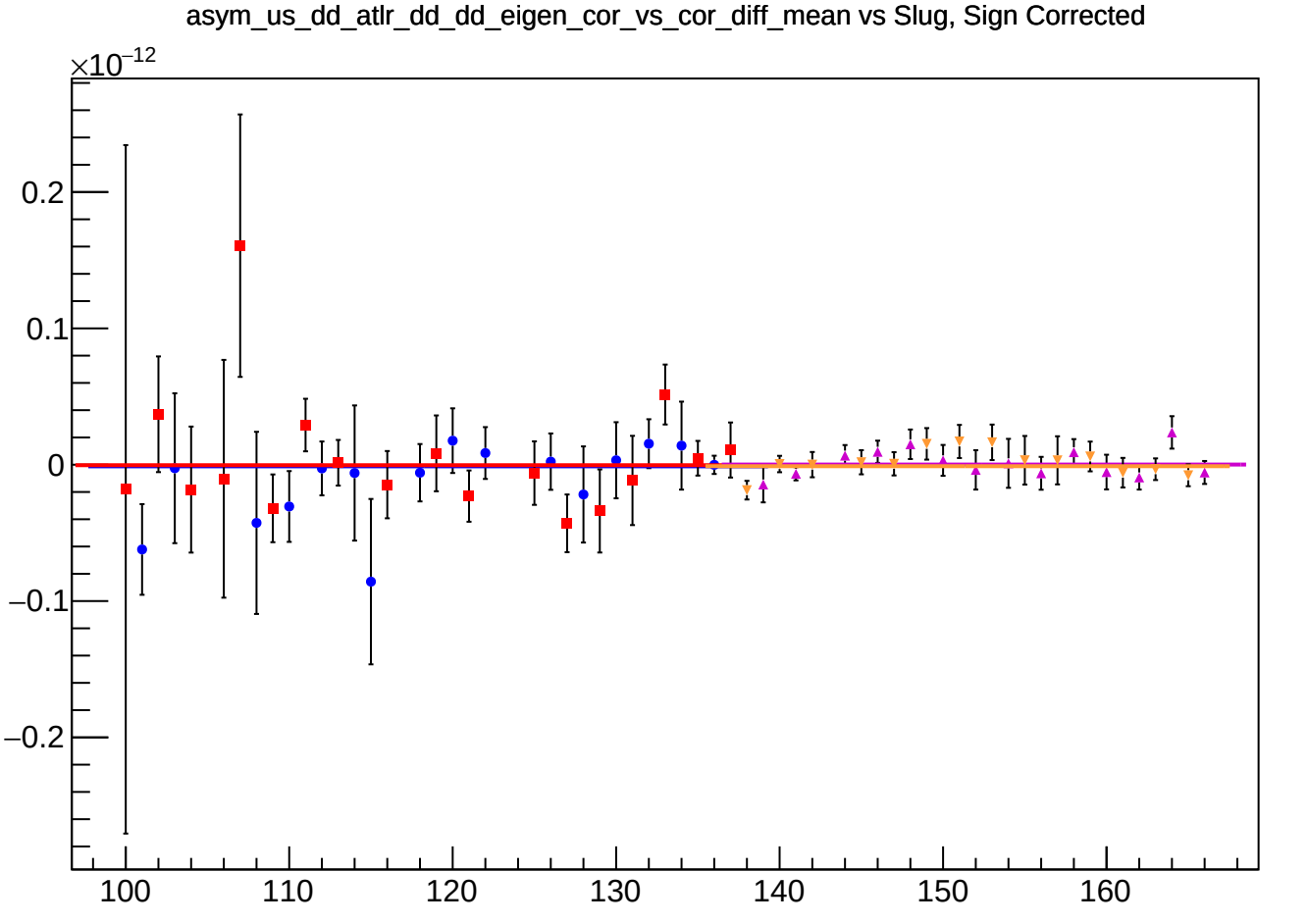
Left: 37.144+/-0.006 χ^2/NDF: 2782381.4/27

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.318+/-0.006 χ^2/NDF:4519492.5/29

Out: 30.791+/-0.006 χ^2/NDF:5188115.9/31

All: 31.545+/-0.004 χ^2/NDF: 9740142.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.1/13

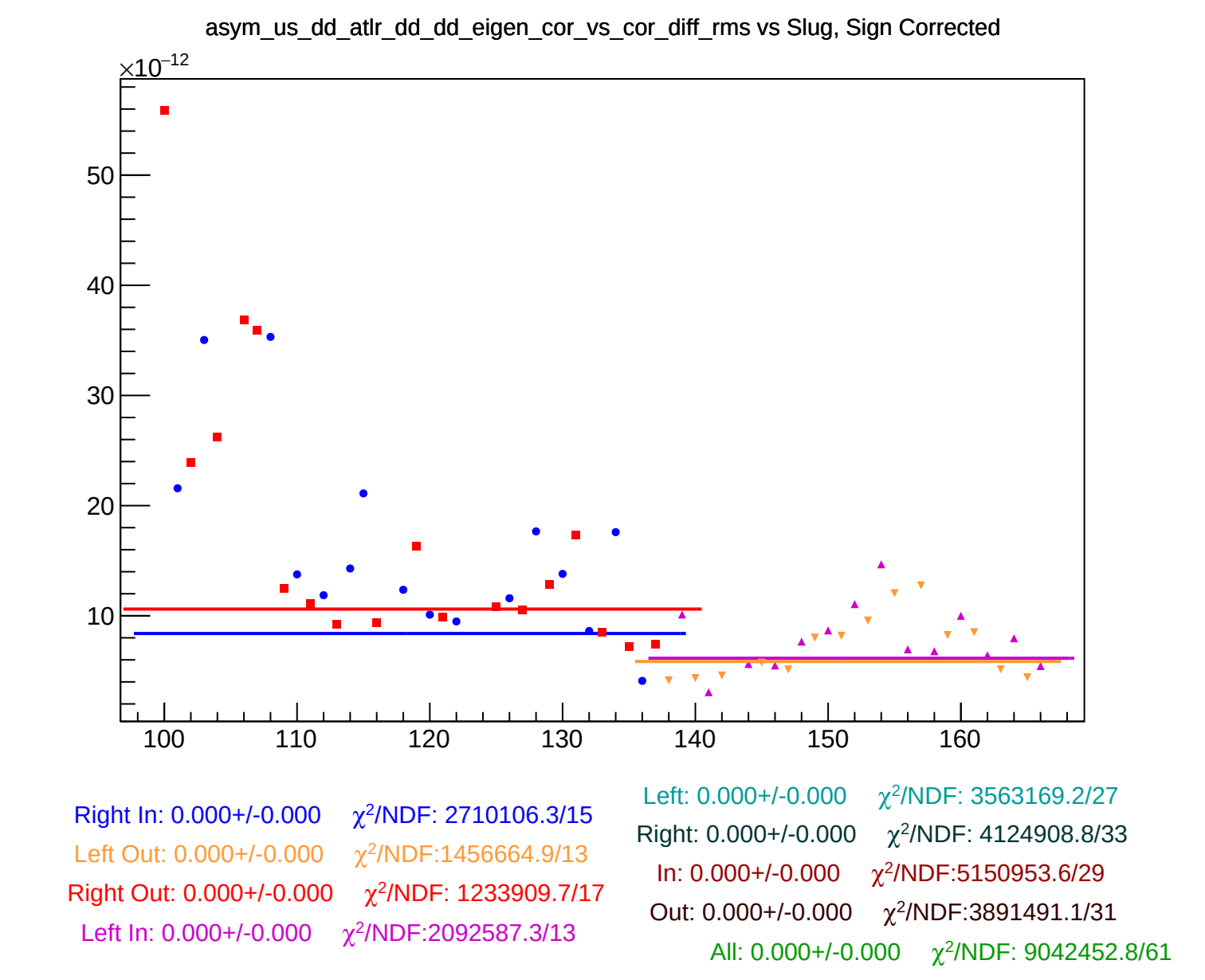
Left: -0.000+/-0.000 χ^2/NDF: 28.6/27

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

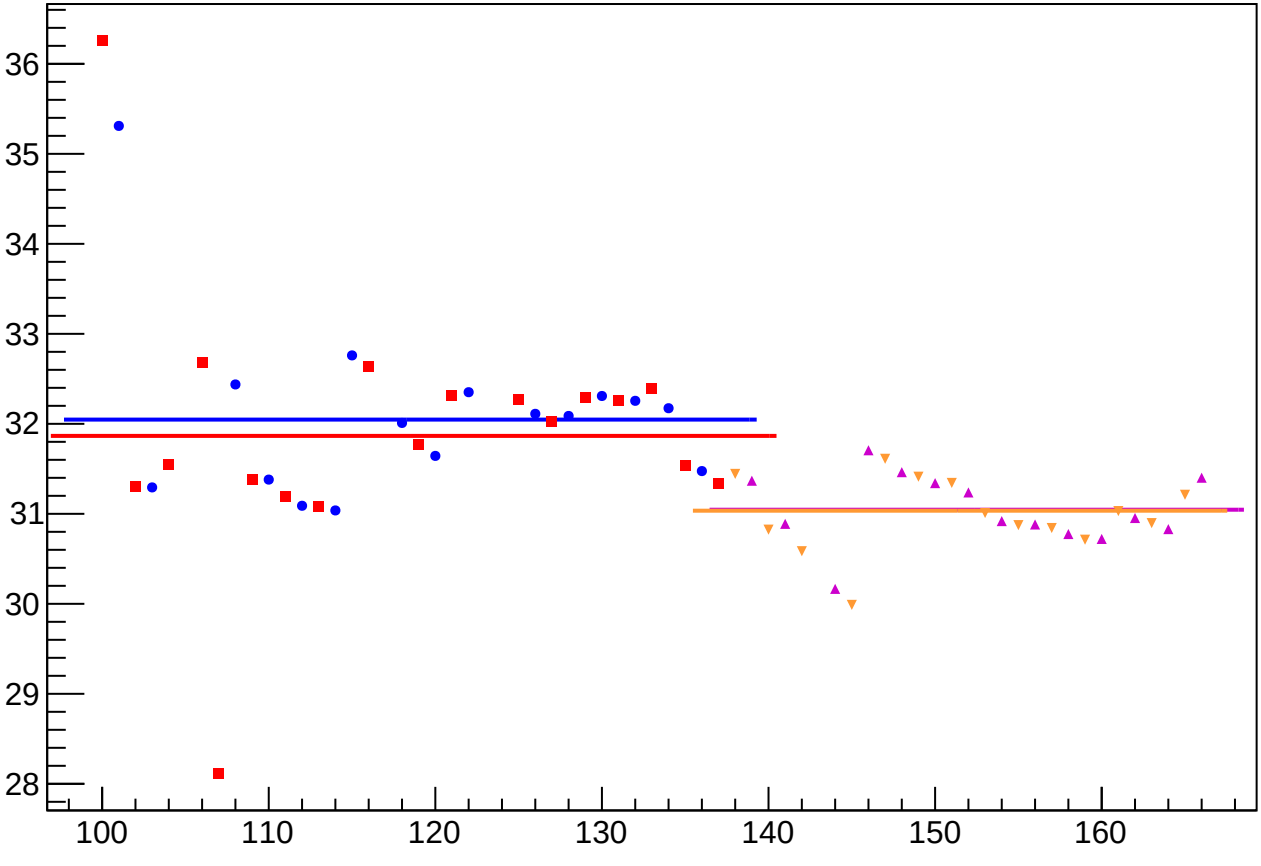
In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: -0.000+/-0.000 χ^2/NDF:35.5/31

All: -0.000+/-0.000 χ^2/NDF: 59.2/61


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1456664.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2092587.3/13
Left: 0.000+/-0.000 χ²/NDF: 3563169.2/27
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:5150953.6/29
Out: 0.000+/-0.000 χ²/NDF:3891491.1/31
All: 0.000+/-0.000 χ²/NDF: 9042452.8/61

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.035+/-0.000 χ^2/NDF:219814198.2/13

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.046+/-0.000 χ^2/NDF:234296172.0/13

Left: 31.040+/-0.000 χ^2/NDF: 454205087.0/27

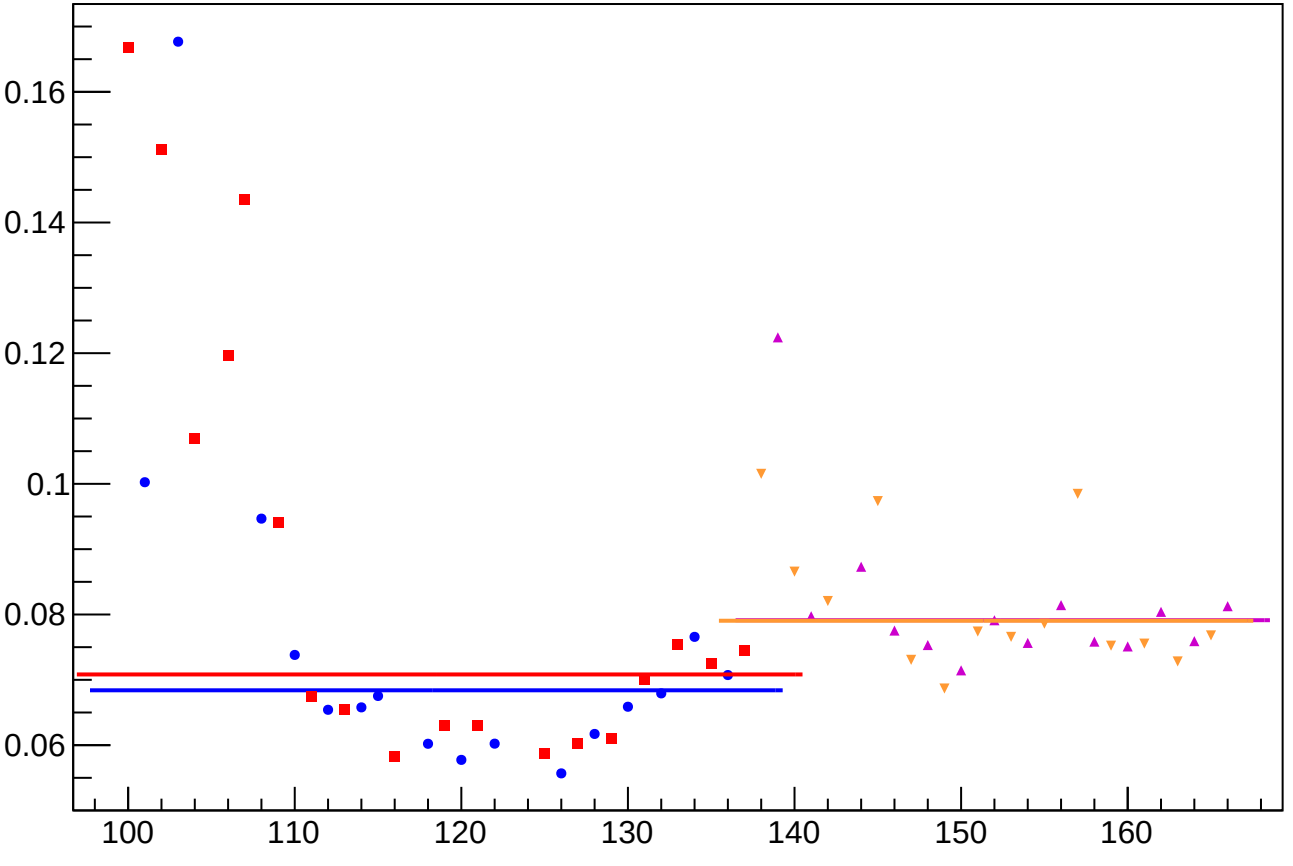
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.495+/-0.000 χ^2/NDF:1872310526.9/29

Out: 31.402+/-0.000 χ^2/NDF:1184432159.2/31

All: 31.450+/-0.000 χ^2/NDF: 3069280752.1/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:255605.0/13

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:249757.8/13

Left: 0.079+/-0.000 χ^2/NDF: 505374.2/27

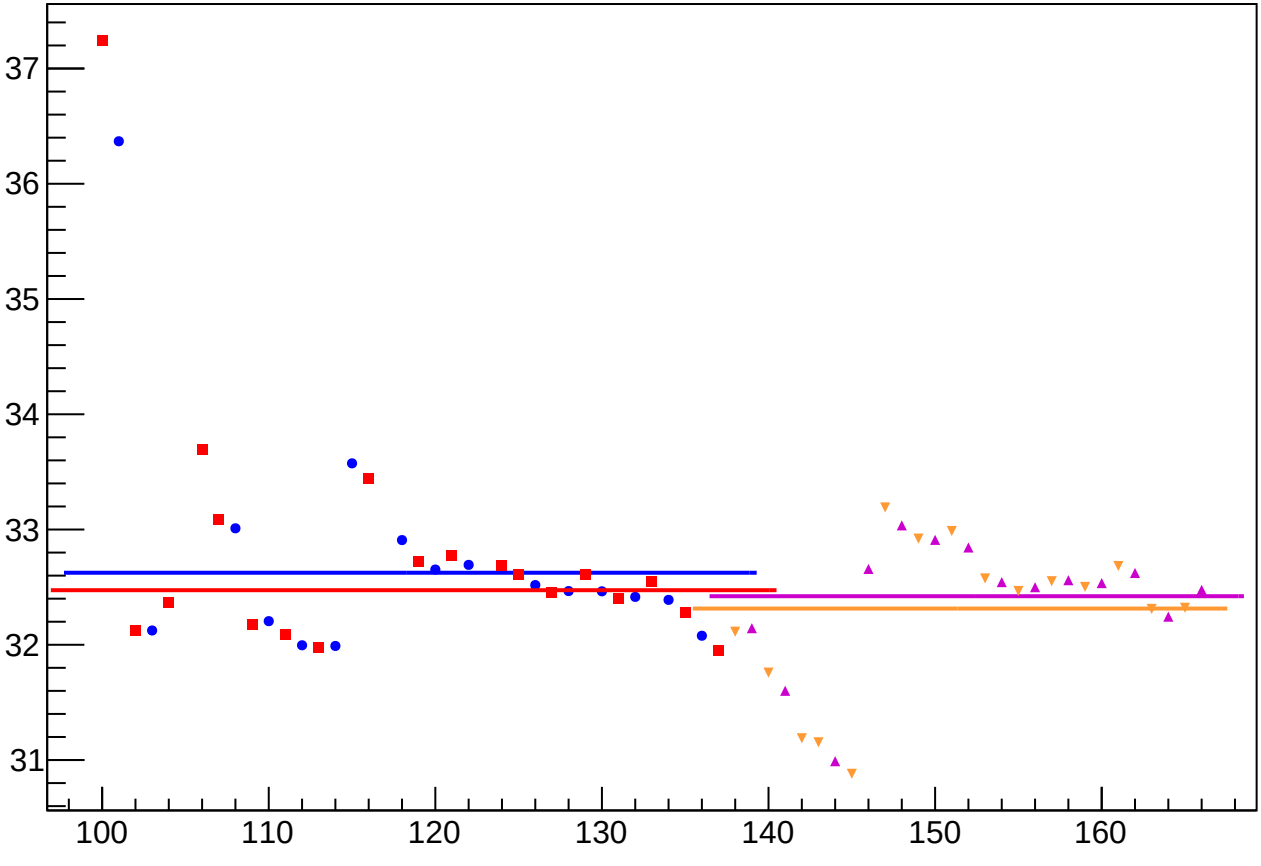
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1122792.4/29

Out: 0.075+/-0.000 χ^2/NDF:1217496.6/31

All: 0.075+/-0.000 χ^2/NDF: 2343790.1/61

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773276305.5/14

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.421+/-0.000 χ^2/NDF:527857755.5/13

Left: 32.368+/-0.000 χ^2/NDF: 1310939309.3/28

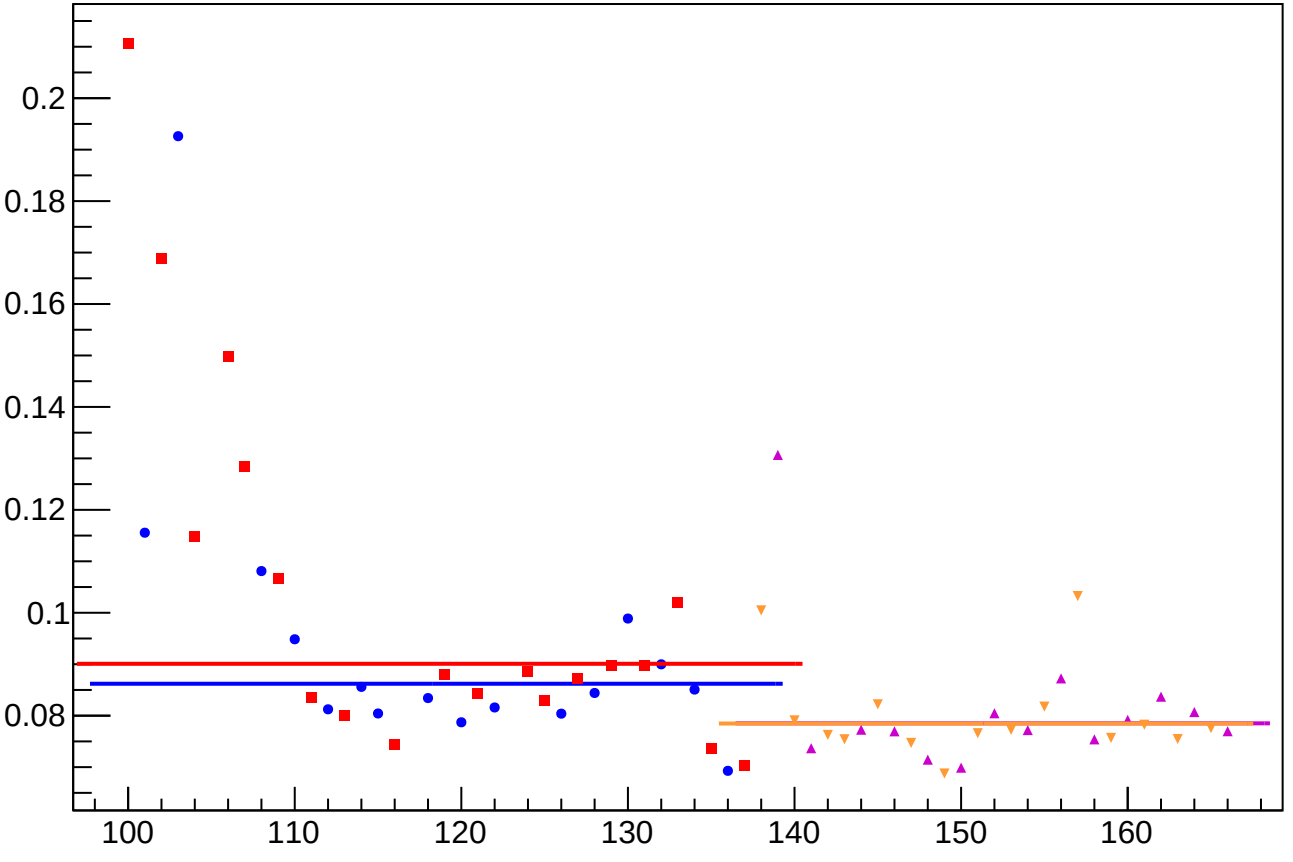
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.489+/-0.000 χ^2/NDF:1290400081.9/29

Out: 32.365+/-0.000 χ^2/NDF:943845549.1/33

All: 32.427+/-0.000 χ^2/NDF: 2253818973.1/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:197717.3/14

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:334551.0/13

Left: 0.078+/-0.000 χ^2/NDF: 532270.7/28

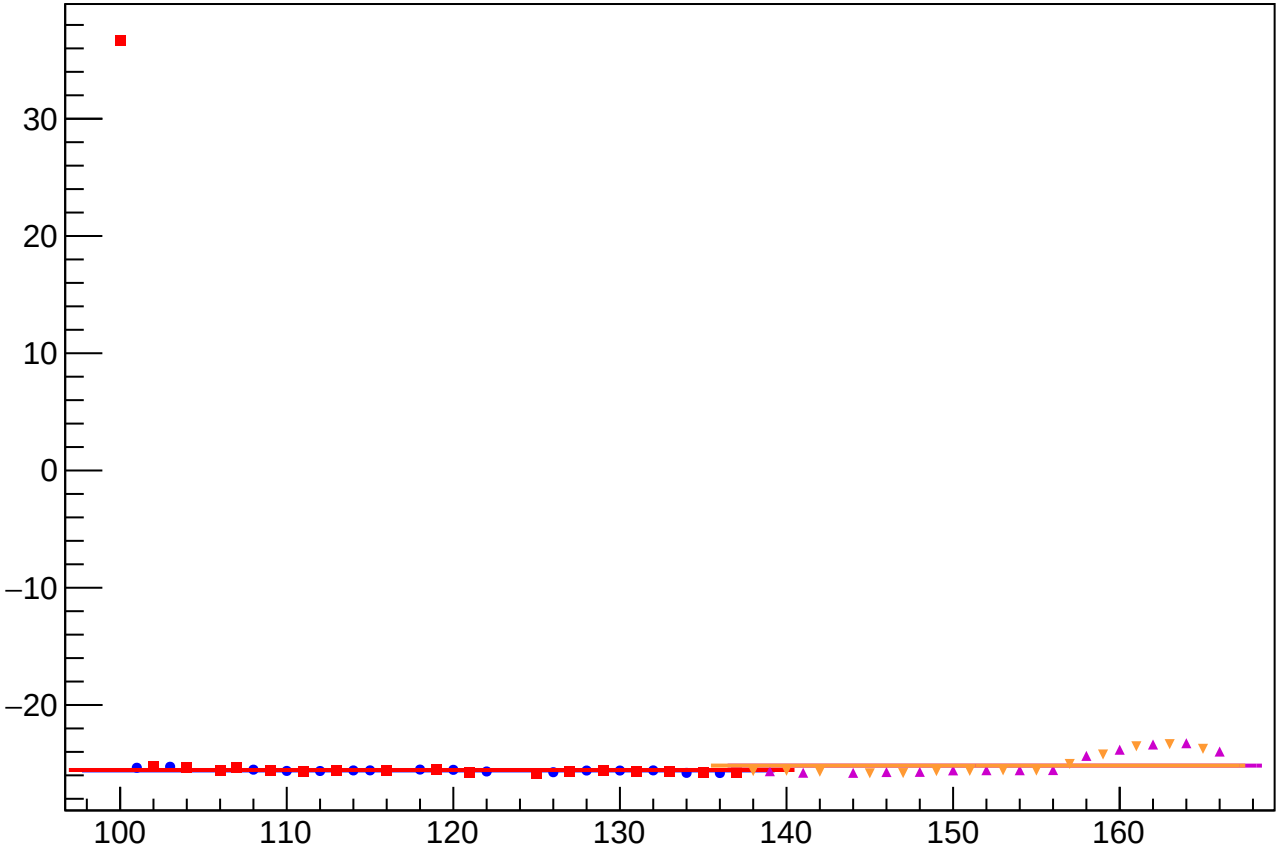
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:1000065.2/29

Out: 0.082+/-0.000 χ^2/NDF:966037.2/33

All: 0.082+/-0.000 χ^2/NDF: 1969014.9/63

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.167+/-0.000 χ^2/NDF:3821861946.9/13

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.171+/-0.000 χ^2/NDF:4221752621.3/13

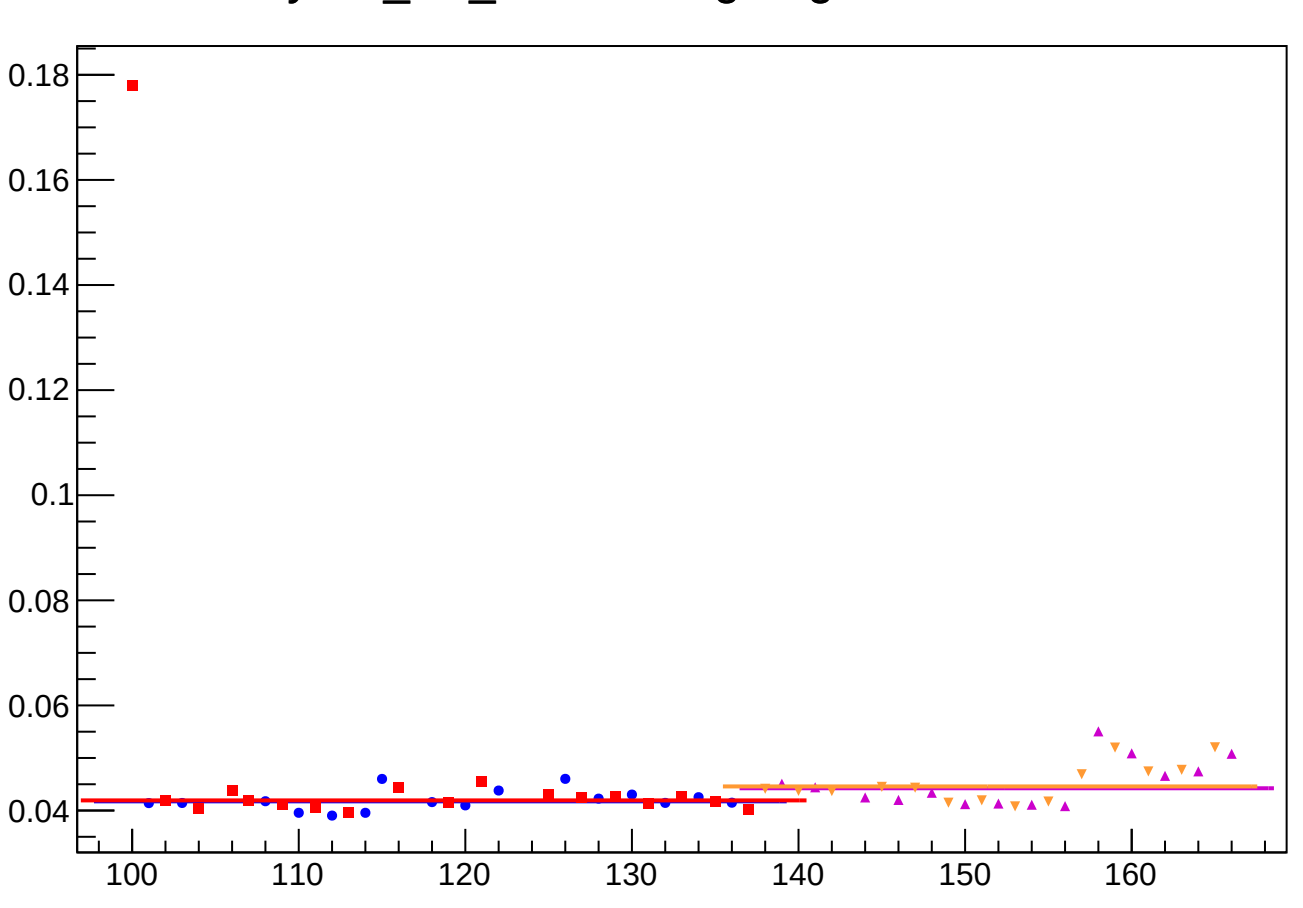
Left: -25.169+/-0.000 χ^2/NDF: 8043650867.8/27

Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

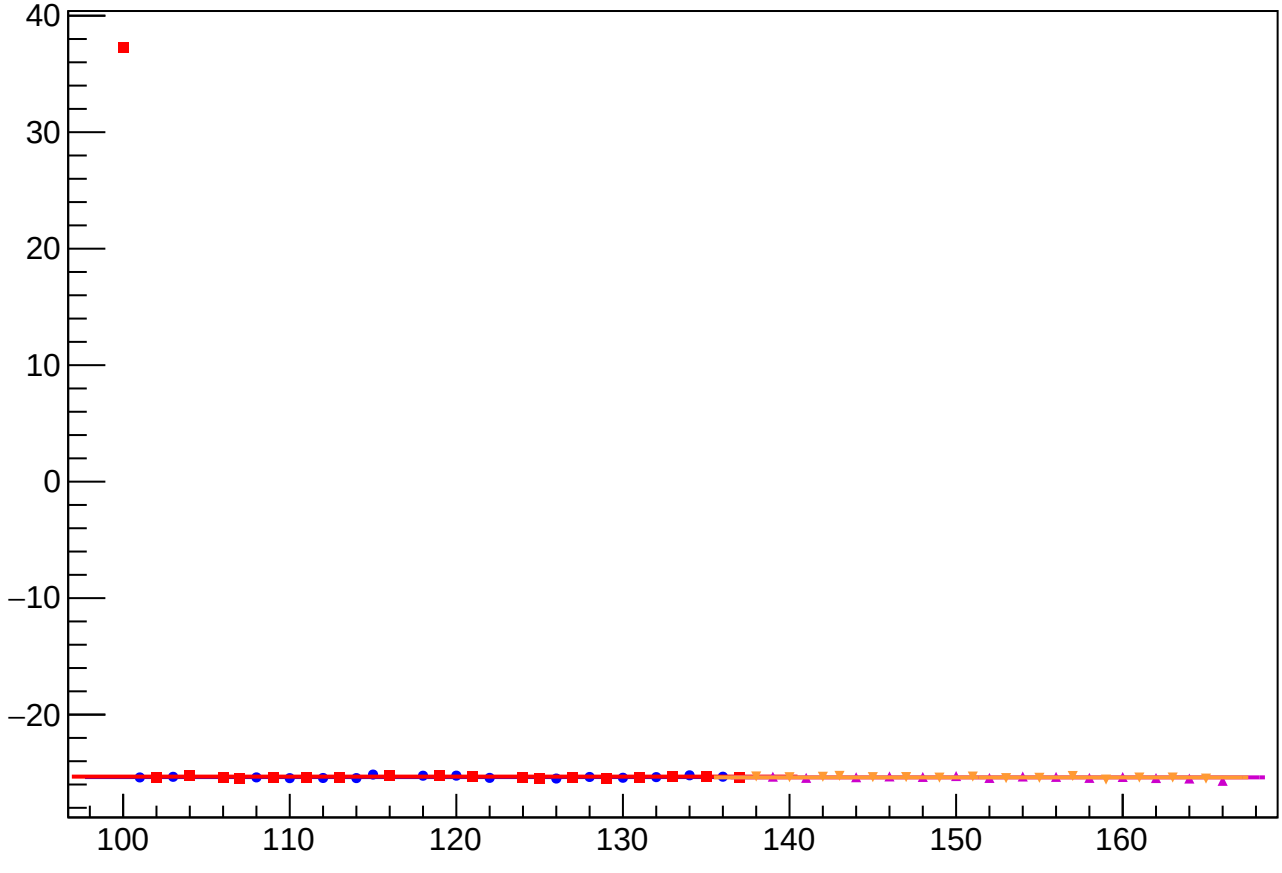
In: -25.341+/-0.000 χ^2/NDF:4719150516.3/29

Out: -25.330+/-0.000 χ^2/NDF:13060212262.7/31

All: -25.336+/-0.000 χ^2/NDF: 1779922338.1


yield_dsl_rms vs Slug, Sign Corrected
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
100
110
120
130
140
150
160
Right In: 0.042+/-0.000 χ²/NDF: 20733.3/15
Left Out: 0.045+/-0.000 χ²/NDF:113134.6/13
Right Out: 0.042+/-0.000 χ²/NDF: 100140.4/17
Left In: 0.044+/-0.000 χ²/NDF:169908.1/13
Left: 0.044+/-0.000 χ²/NDF: 283724.5/27
Right: 0.042+/-0.000 χ²/NDF: 121007.1/33
In: 0.043+/-0.000 χ²/NDF:220289.6/29
Out: 0.043+/-0.000 χ²/NDF:246242.1/31
All: 0.043+/-0.000 χ²/NDF: 467073.2/61

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.388+/-0.000 χ^2/NDF:24595498.8/14

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.386+/-0.000 χ^2/NDF:32247015.7/13

Left: -25.387+/-0.000 χ^2/NDF: 56845772.7/28

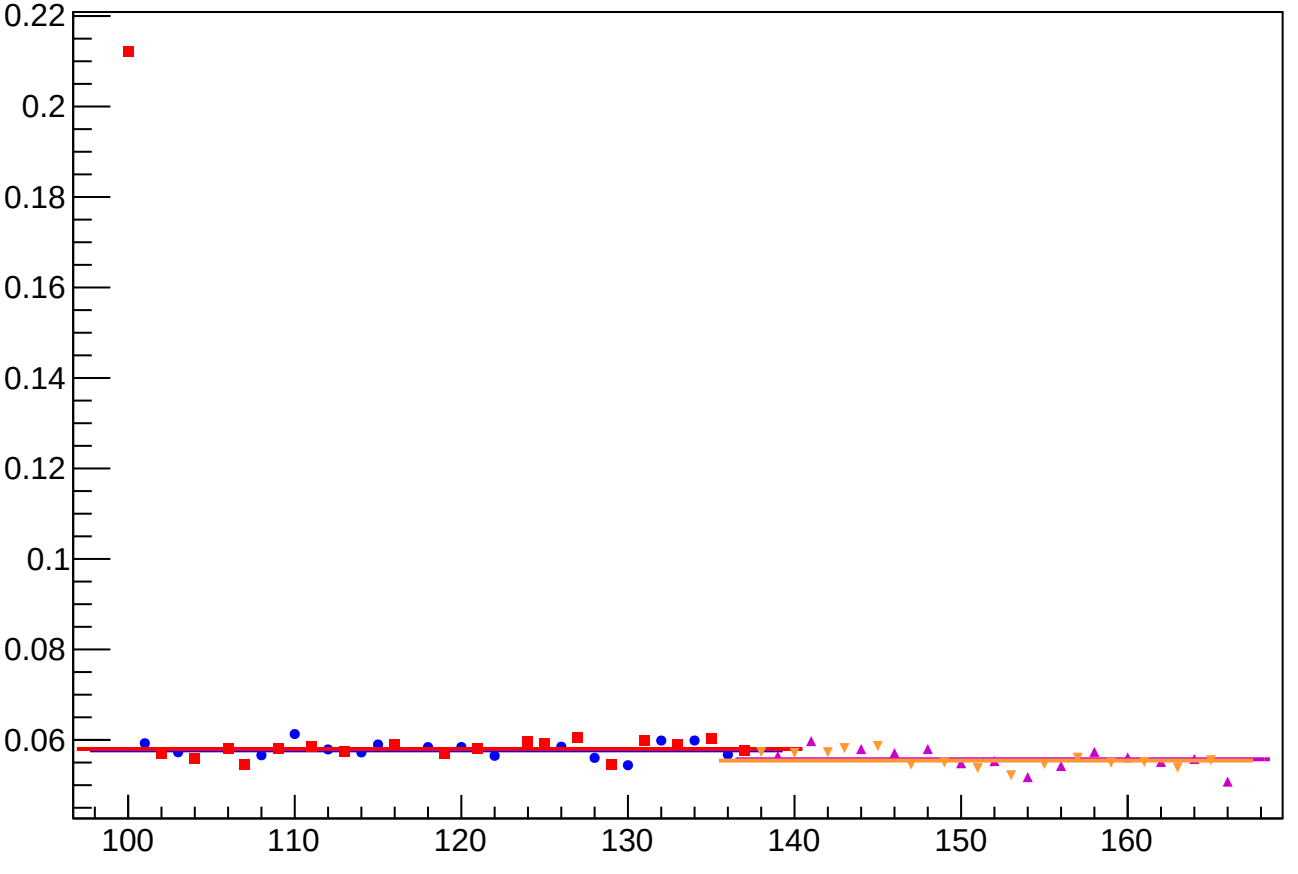
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.377+/-0.000 χ^2/NDF:46430347.7/29

Out: -25.364+/-0.000 χ^2/NDF:6345350331.5/33

All: -25.370+/-0.000 χ^2/NDF: 6392275659.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:22437.2/14

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:37692.8/13

Left: 0.056+/-0.000 χ^2/NDF: 60419.6/28

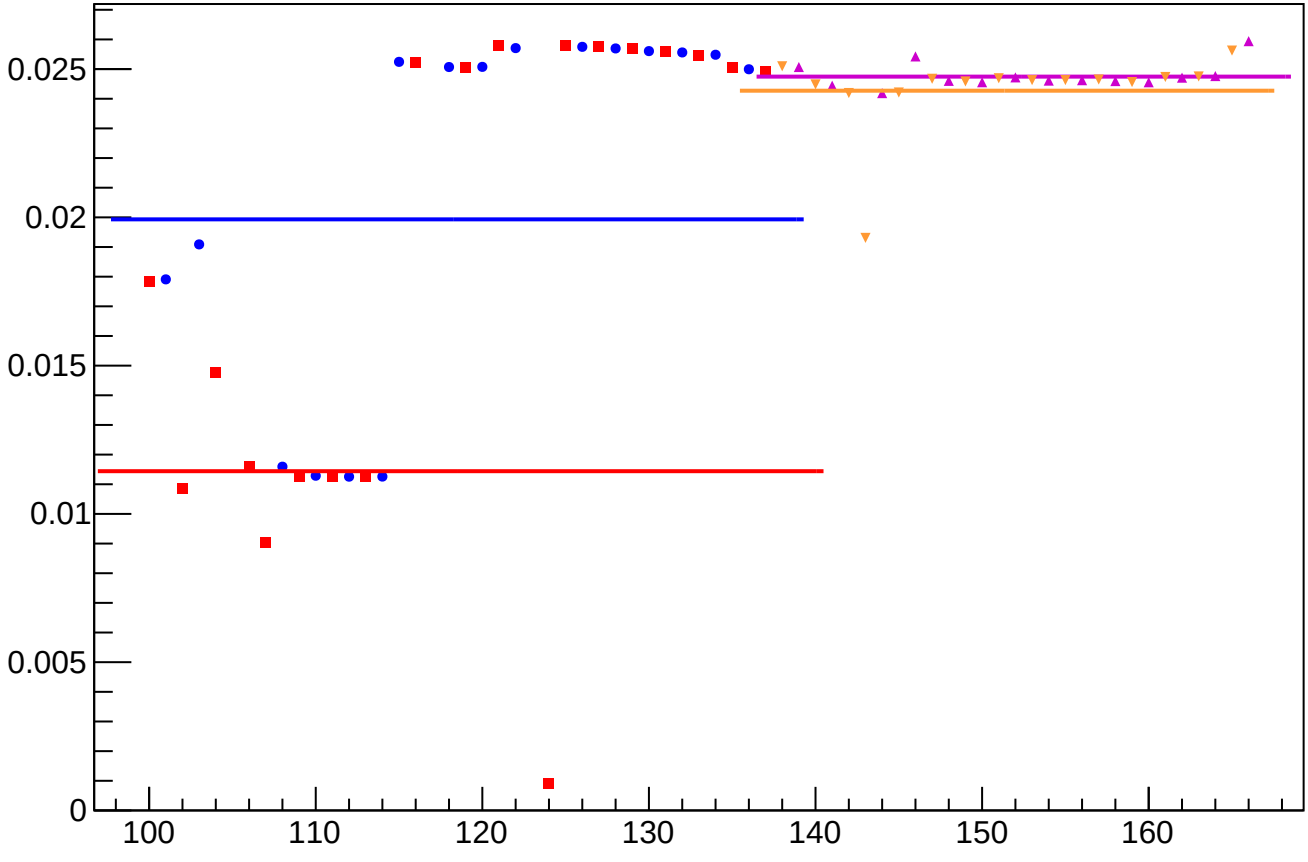
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:59816.6/29

Out: 0.056+/-0.000 χ^2/NDF:128900.6/33

All: 0.056+/-0.000 χ^2/NDF: 188749.1/63

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4975471196.5/14

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:339865378.4/13

Left: 0.025+/-0.000 χ^2/NDF: 5568269900.1/28

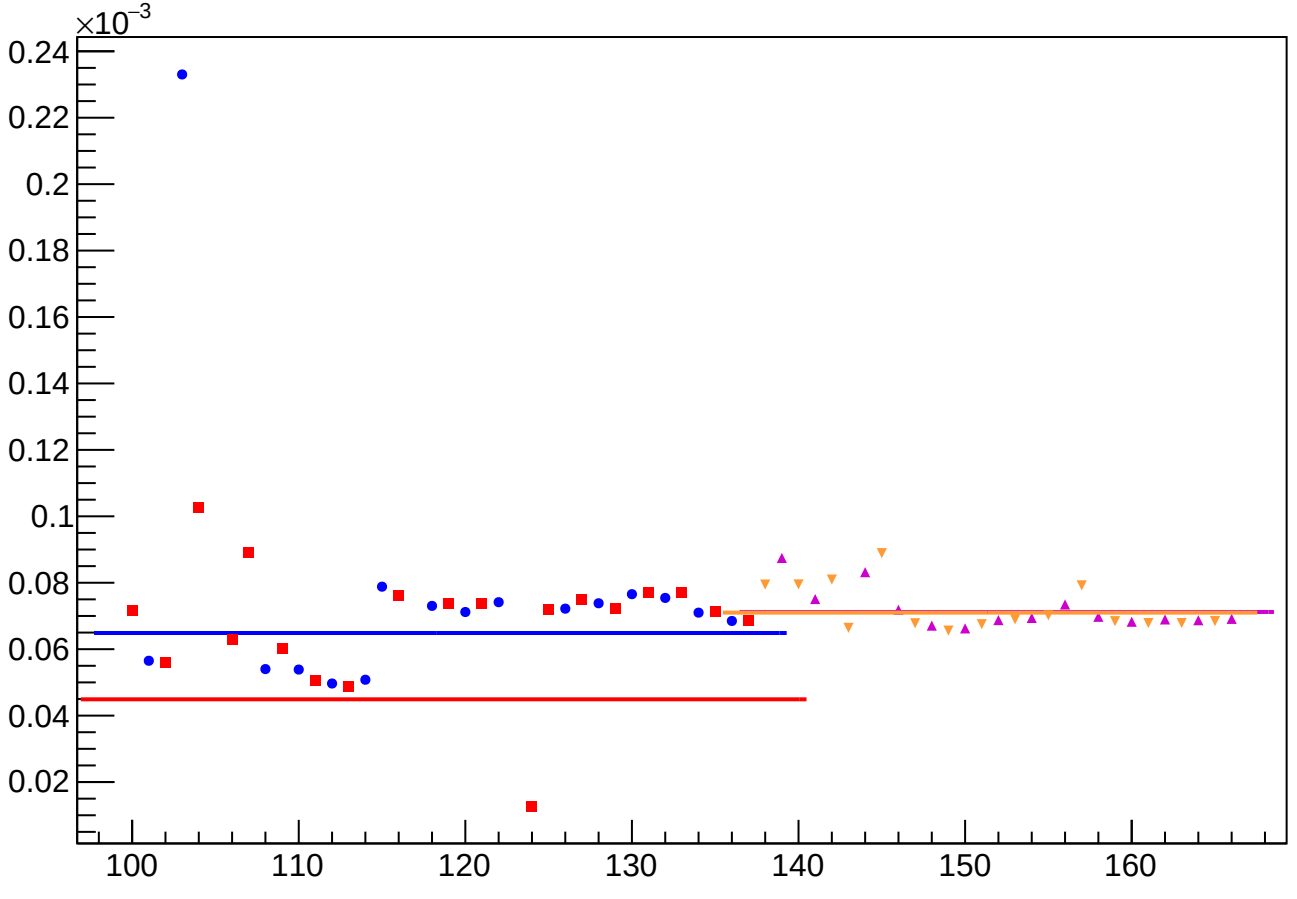
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:84000923972.7/29

Out: 0.018+/-0.000 χ^2/NDF:455607847404.8/33

All: 0.020+/-0.000 χ^2/NDF: 597560914521.9

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:167311.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:125539.5/13

Left: 0.000+/-0.000 χ^2/NDF: 292937.7/28

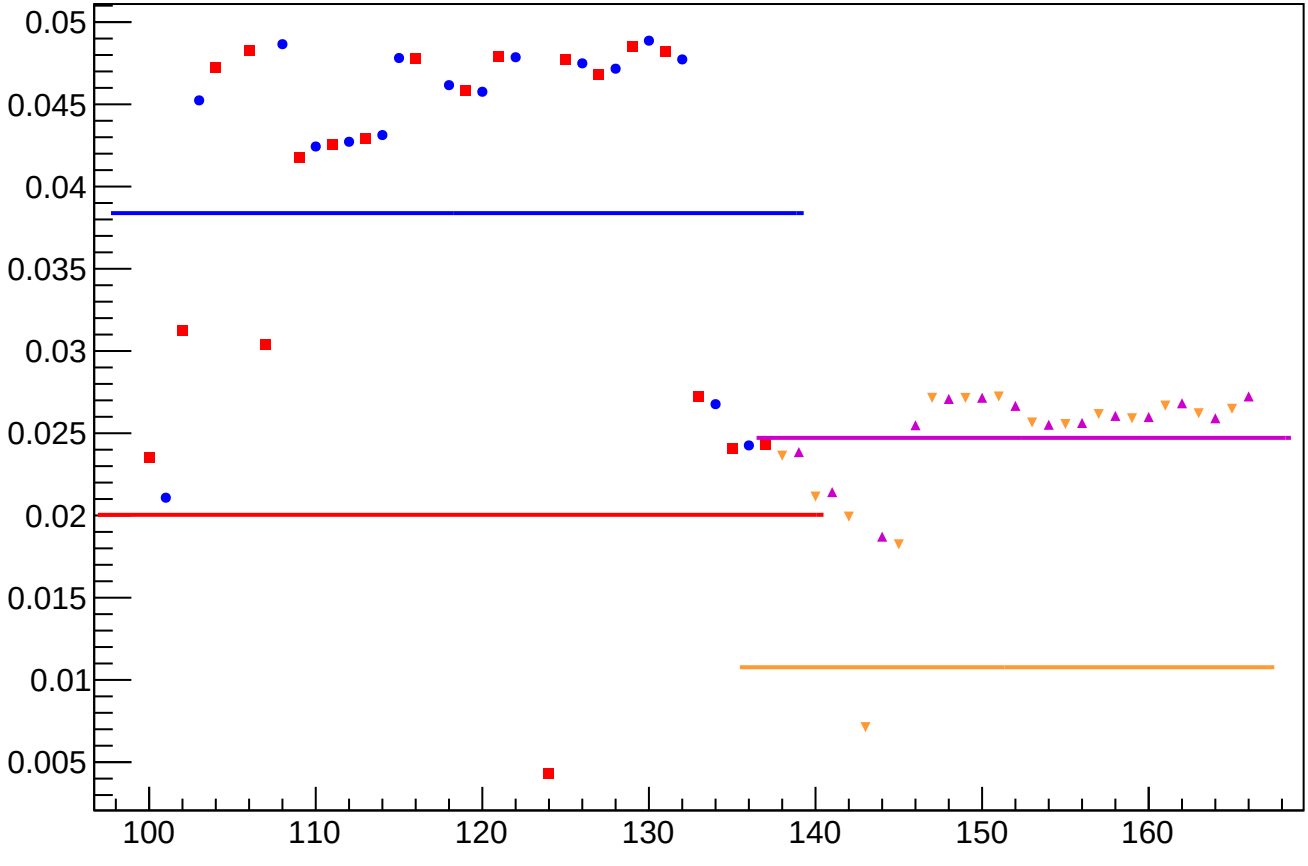
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015778.7/29

Out: 0.000+/-0.000 χ^2/NDF:5566092.1/33

All: 0.000+/-0.000 χ^2/NDF: 7122559.3/63

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:28712651067.7/14

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:978523046.0/13

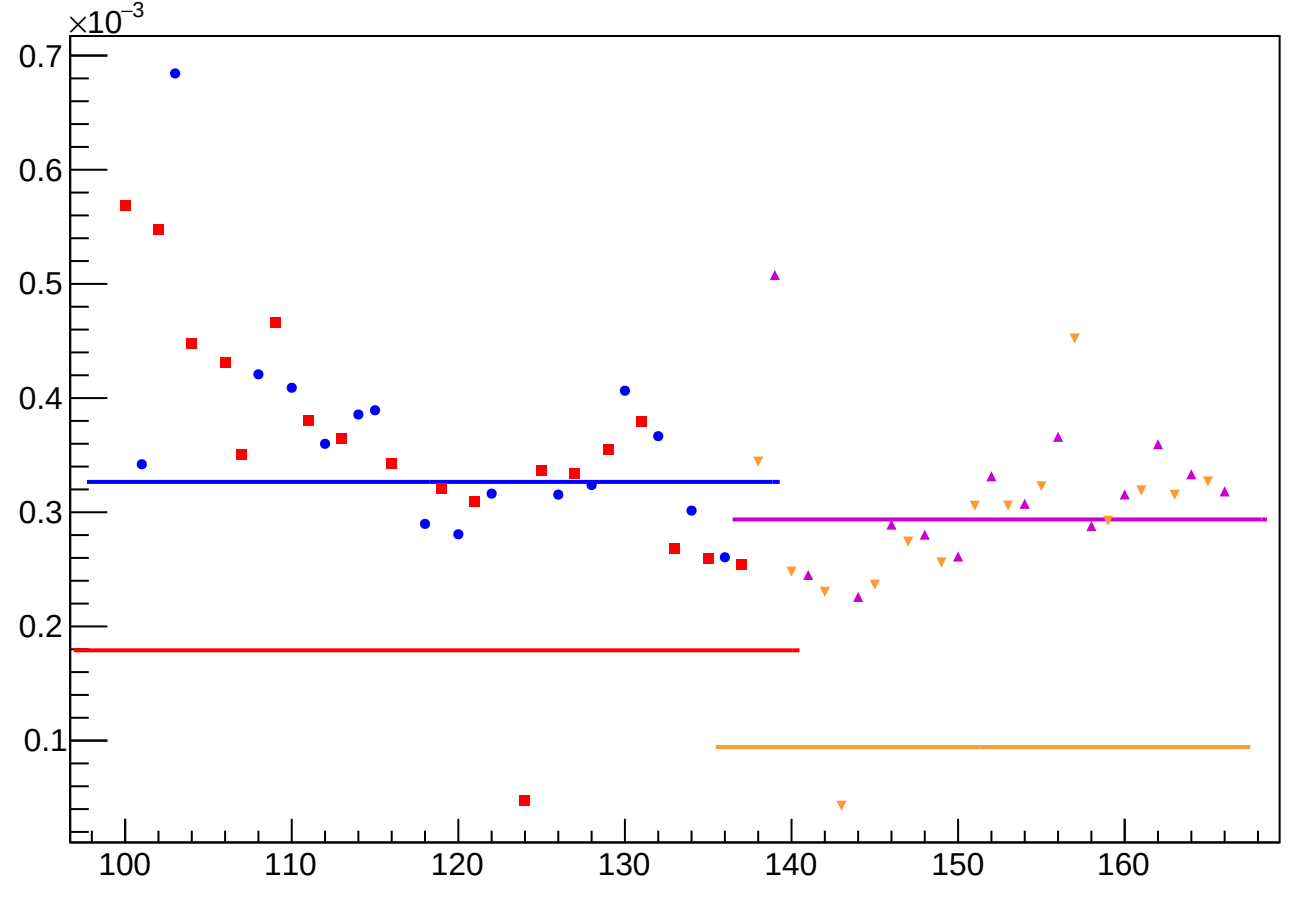
Left: 0.013+/-0.000 χ^2/NDF: 48581034556.0/28

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.029+/-0.000 χ^2/NDF:15416907046.2/29

Out: 0.012+/-0.000 χ^2/NDF:79482652720.9/33

All: 0.016+/-0.000 χ^2/NDF: 134631778590.0



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11468532.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:680402.5/13

Left: 0.000+/-0.000 χ^2/NDF: 19864848.7/28

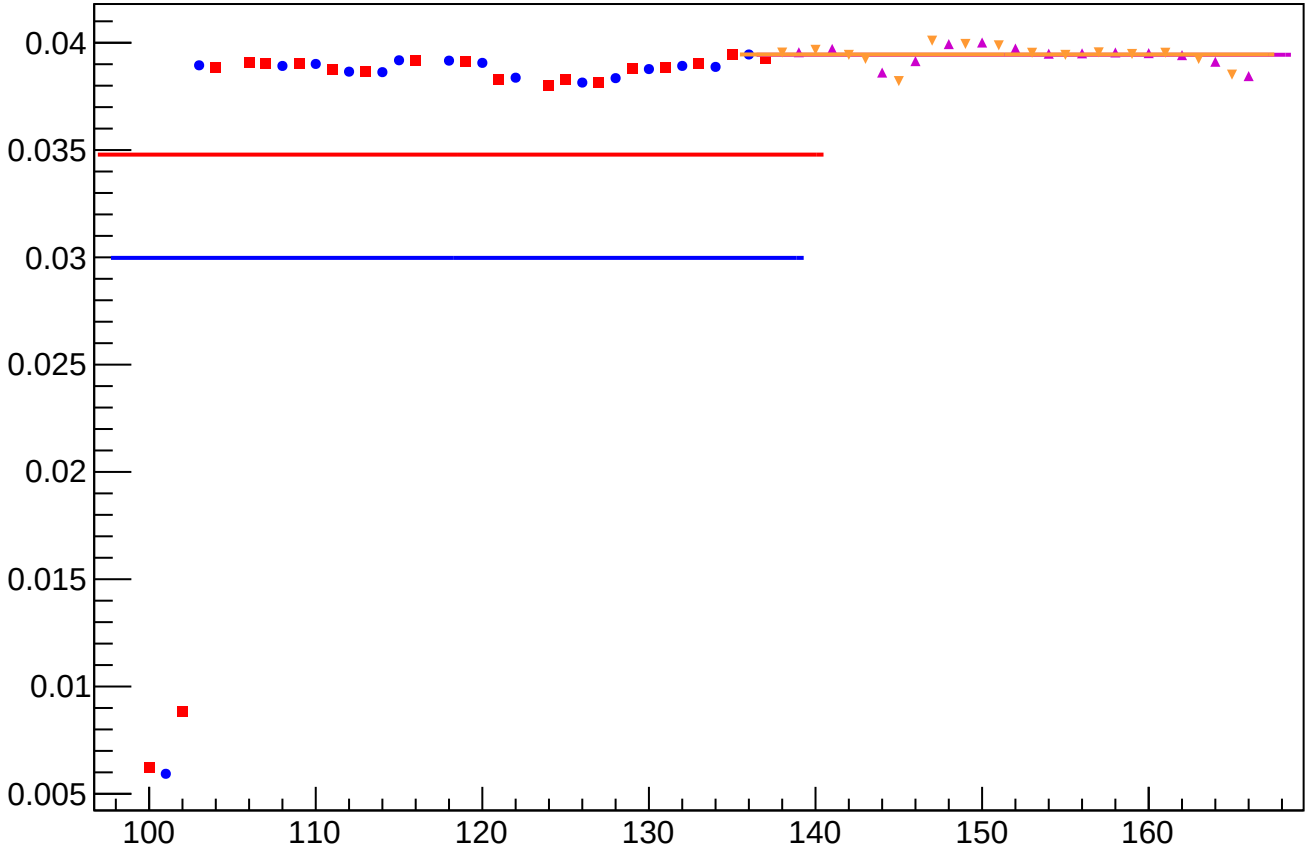
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1347065.3/29

Out: 0.000+/-0.000 χ^2/NDF:18562849.8/33

All: 0.000+/-0.000 χ^2/NDF: 30566780.2/63

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:133771699.8/14

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:107488003.3/13

Left: 0.039+/-0.000 χ^2/NDF: 241319406.5/28

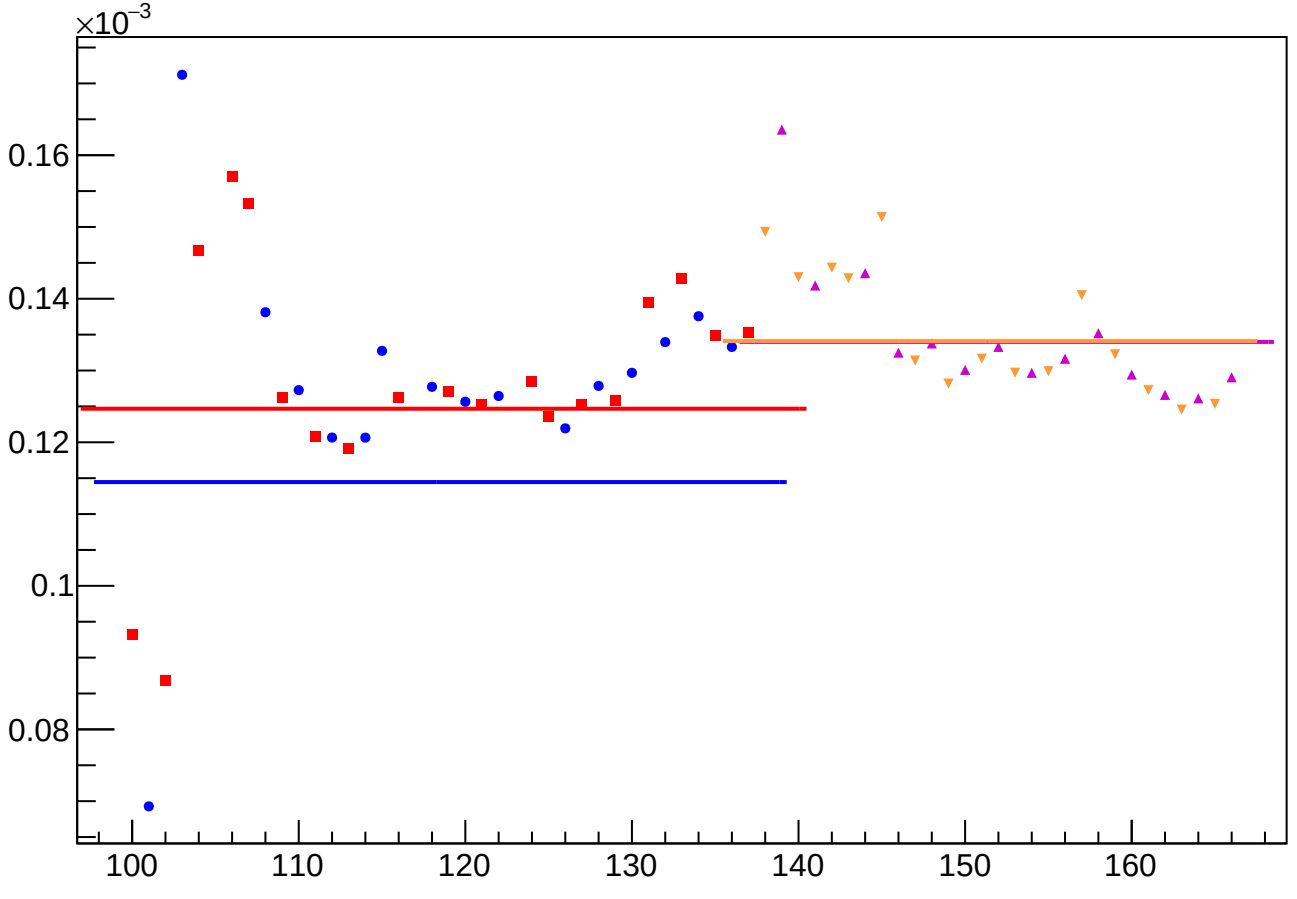
Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:133459534012.3/29

Out: 0.038+/-0.000 χ^2/NDF:53110128460.4/33

All: 0.036+/-0.000 χ^2/NDF: 189587122275.0

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:84526.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:84963.1/13

Left: 0.000+/-0.000 χ^2/NDF: 169497.3/28

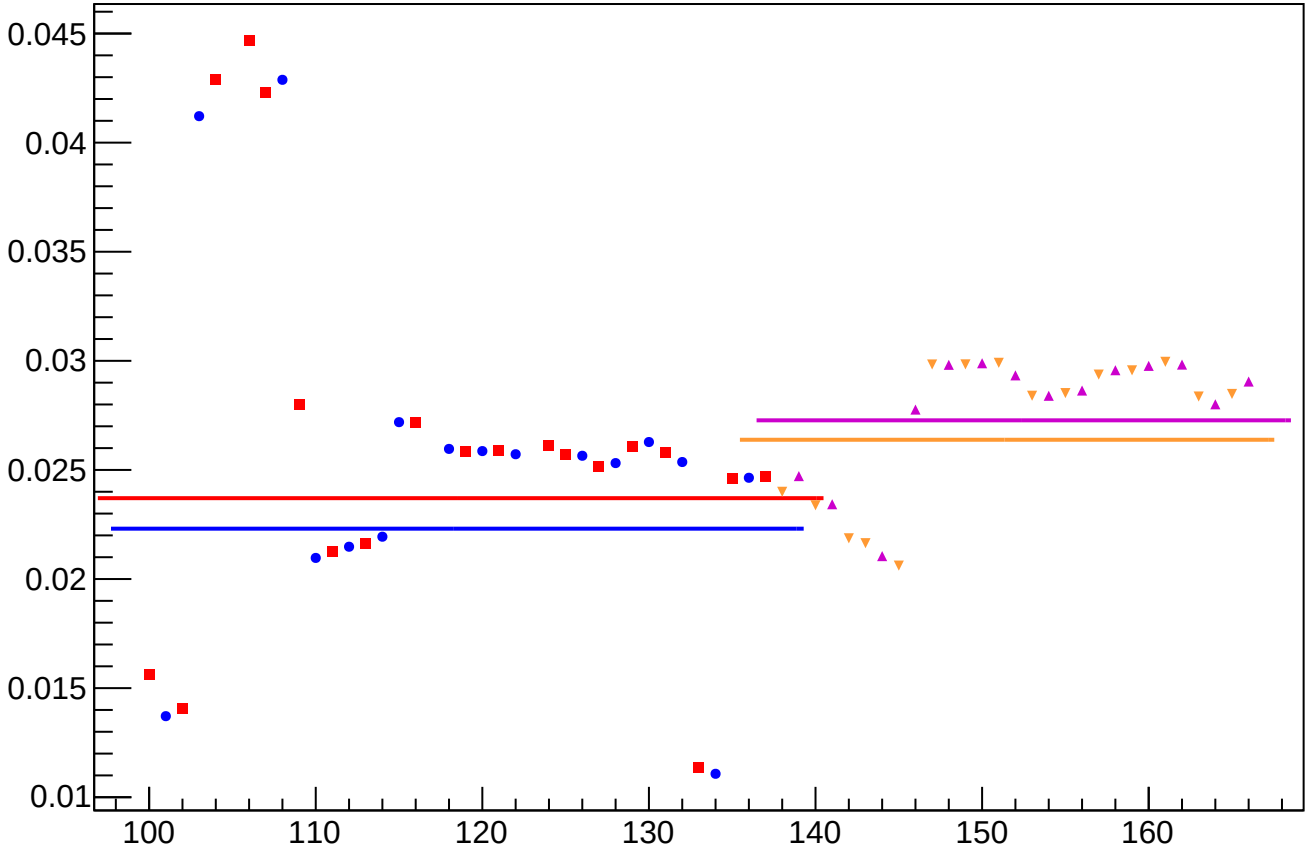
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1151495.0/29

Out: 0.000+/-0.000 χ^2/NDF:391525.1/33

All: 0.000+/-0.000 χ^2/NDF: 1570523.6/63

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1799177455.5/14

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1262451473.9/13

Left: 0.027+/-0.000 χ^2/NDF: 3113060356.5/28

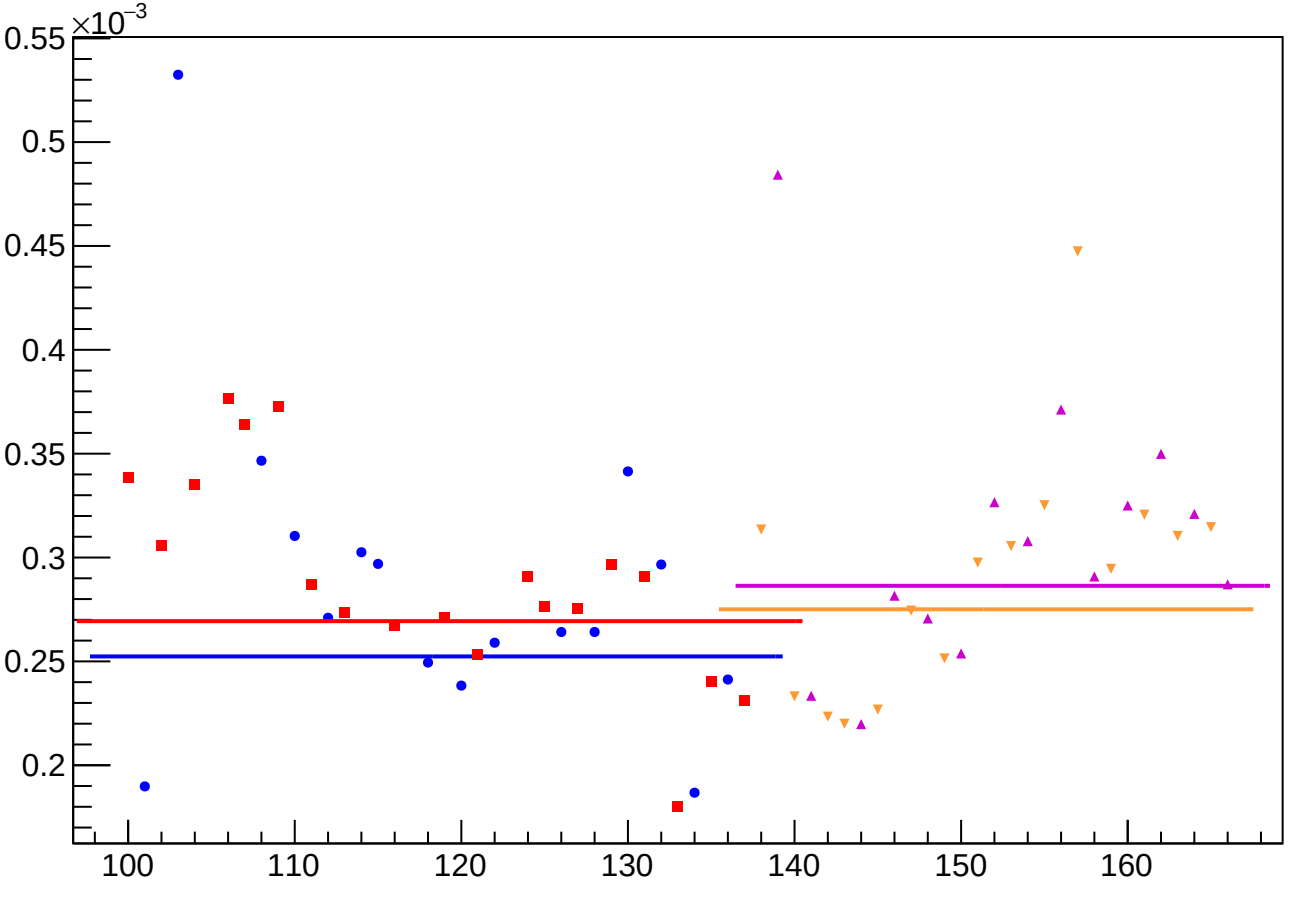
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7629059784.9/29

Out: 0.025+/-0.000 χ^2/NDF:7766313138.4/33

All: 0.025+/-0.000 χ^2/NDF: 15401445717.0/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:598560.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726828.7/13

Left: 0.000+/-0.000 χ^2/NDF: 1341956.6/28

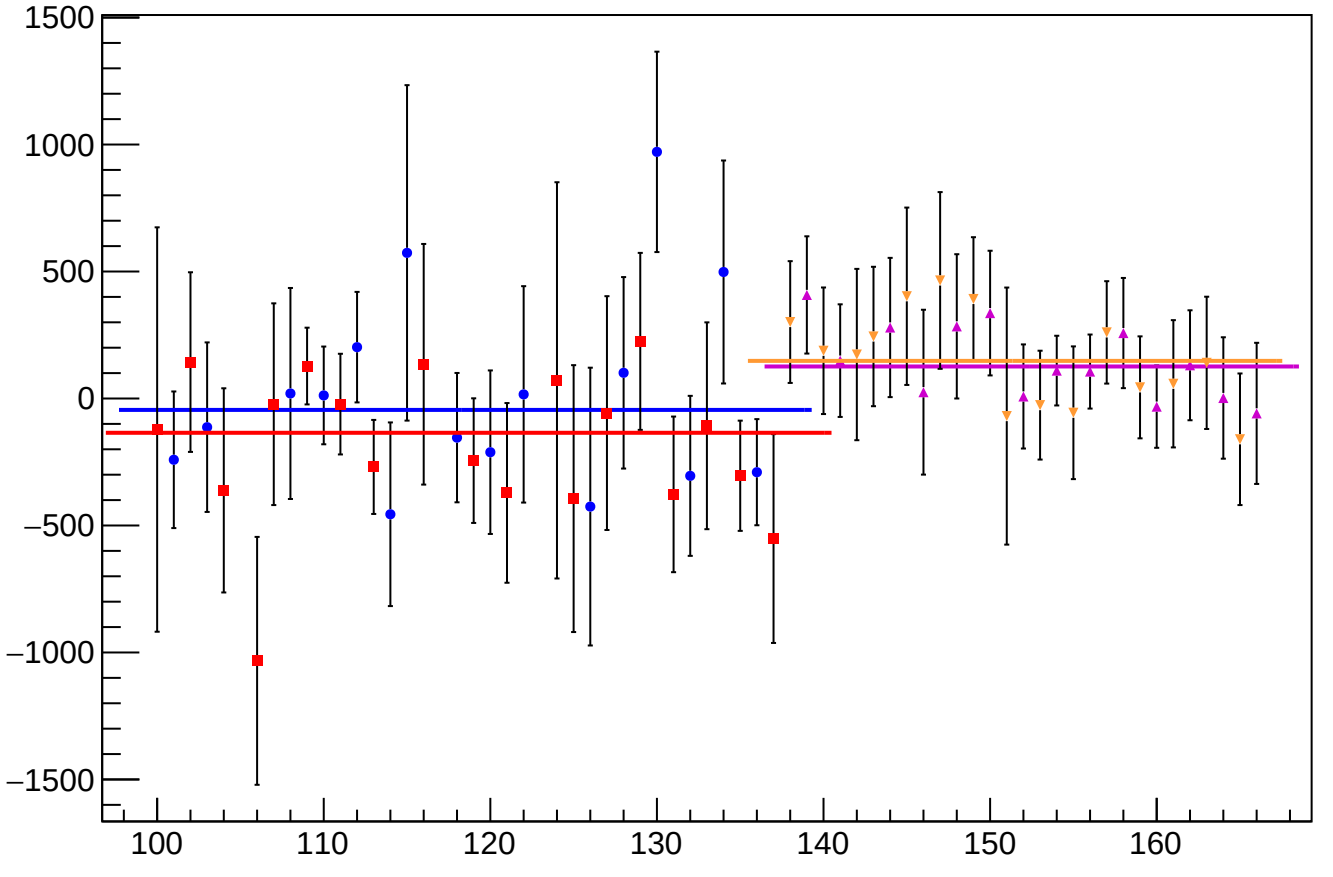
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1561654.7/29

Out: 0.000+/-0.000 χ^2/NDF:1048428.9/33

All: 0.000+/-0.000 χ^2/NDF: 2610525.6/63

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 148.147+/-66.780 χ^2/NDF:6.5/14

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 126.057+/-55.389 χ^2/NDF:5.3/13

Left: 135.060+/-42.633 χ^2/NDF: 11.9/28

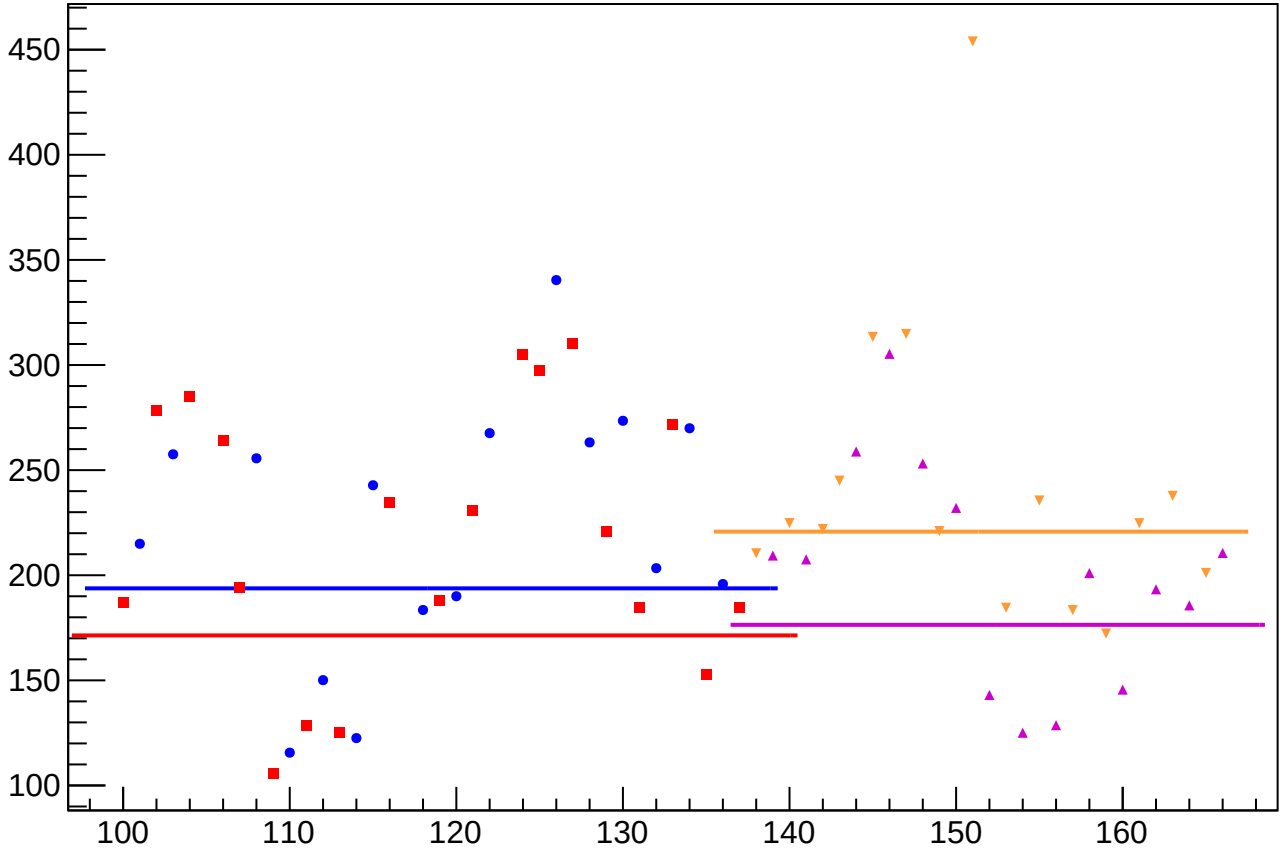
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 66.948+/-44.803 χ^2/NDF:24.1/29

Out: 9.267+/-47.667 χ^2/NDF:28.3/33

All: 39.893+/-32.646 χ^2/NDF: 53.1/63

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.749+/-0.047 χ^2/NDF:1000383.6/14

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 176.407+/-0.039 χ^2/NDF:1515961.3/13

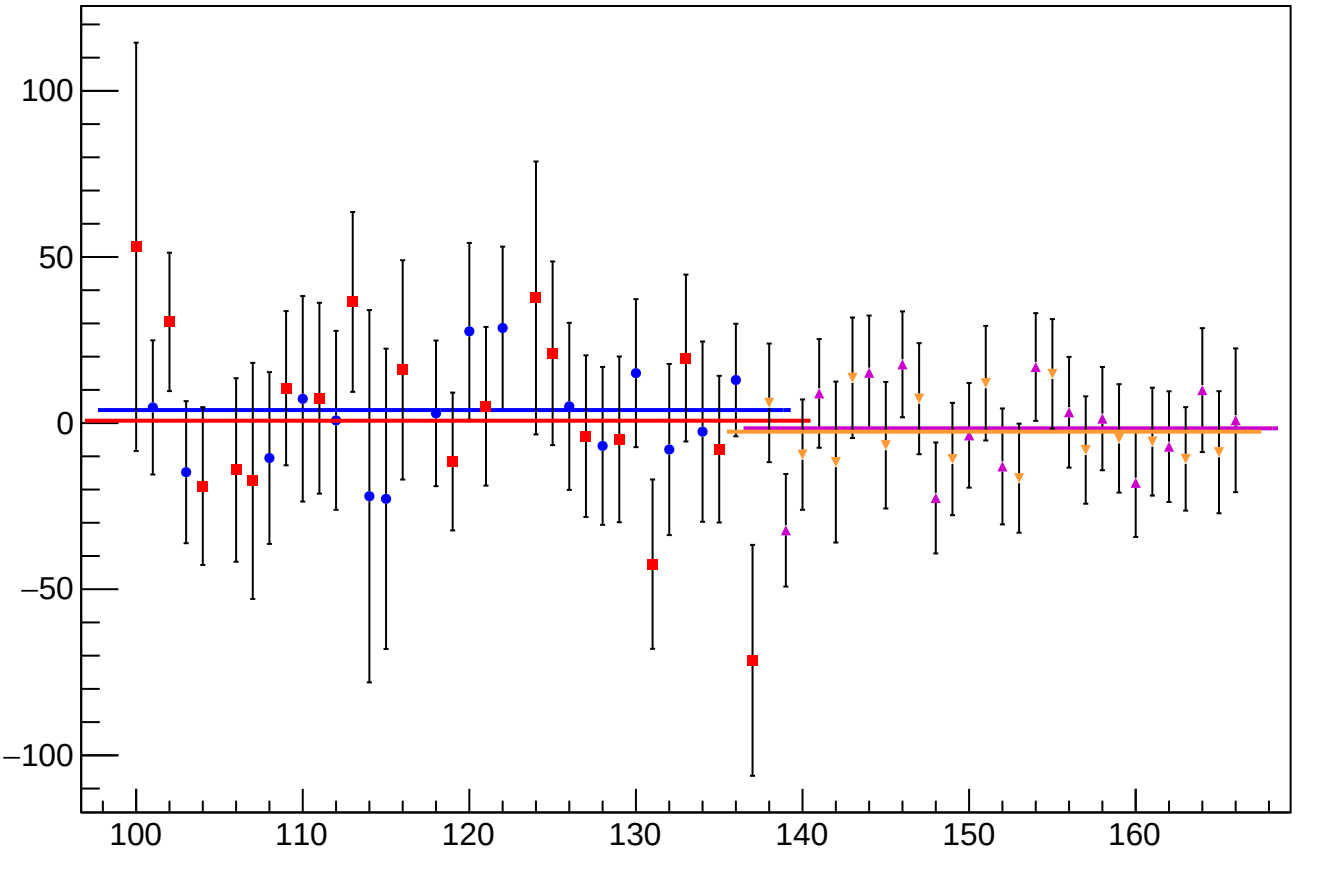
Left: 194.479+/-0.030 χ^2/NDF: 3038751.1/28

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.409+/-0.032 χ^2/NDF:2631982.8/29

Out: 196.535+/-0.034 χ^2/NDF:3194564.8/33

All: 189.035+/-0.023 χ^2/NDF: 5919801.4/63



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.574+/-4.448 χ^2/NDF:5.1/14

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -1.576+/-4.501 χ^2/NDF:11.1/13

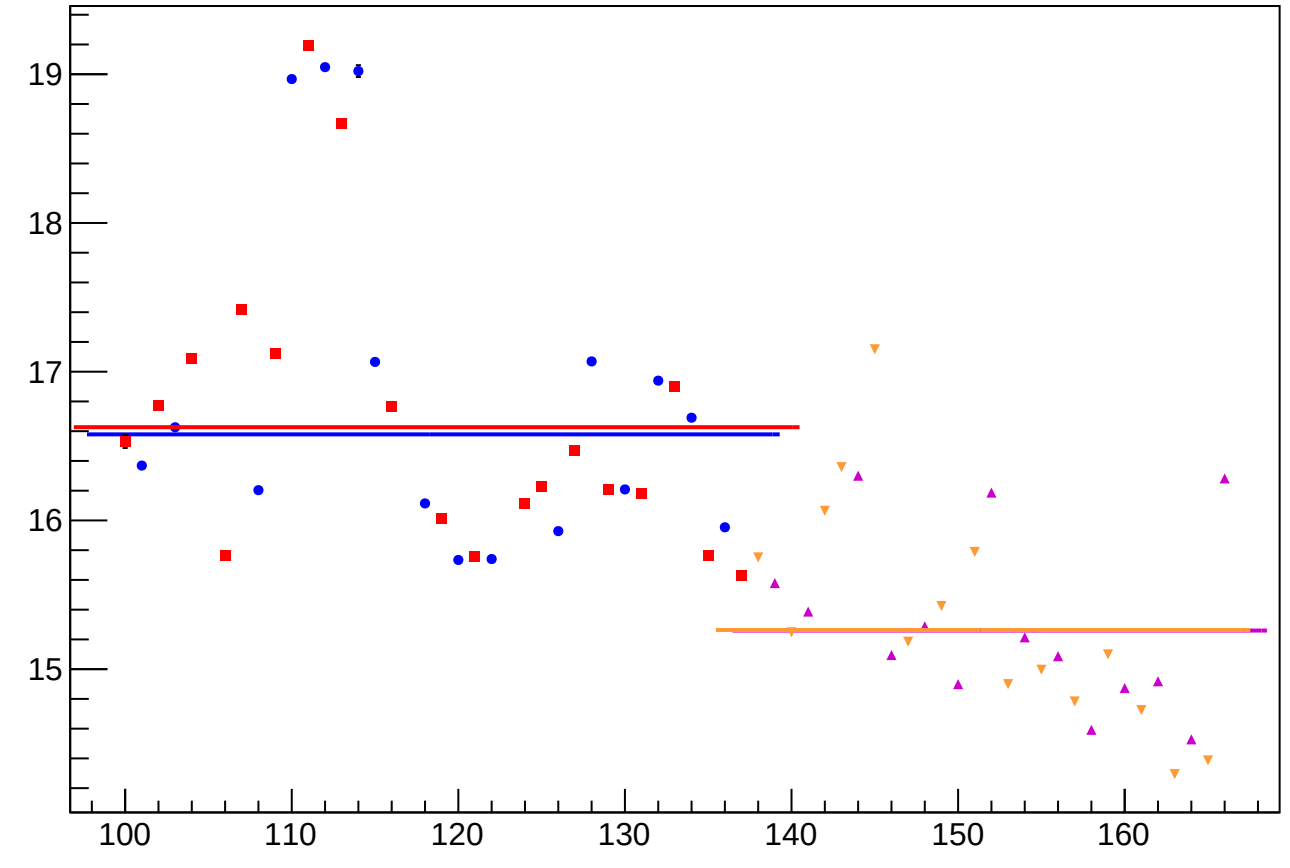
Left: -2.081+/-3.164 χ^2/NDF: 16.2/28

Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.333+/-3.637 χ^2/NDF:16.1/29

Out: -1.427+/-3.589 χ^2/NDF:21.2/33

All: -0.559+/-2.554 χ^2/NDF: 37.4/63



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.263+/-0.003 χ^2/NDF:50664.8/14

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.260+/-0.003 χ^2/NDF:28501.8/13

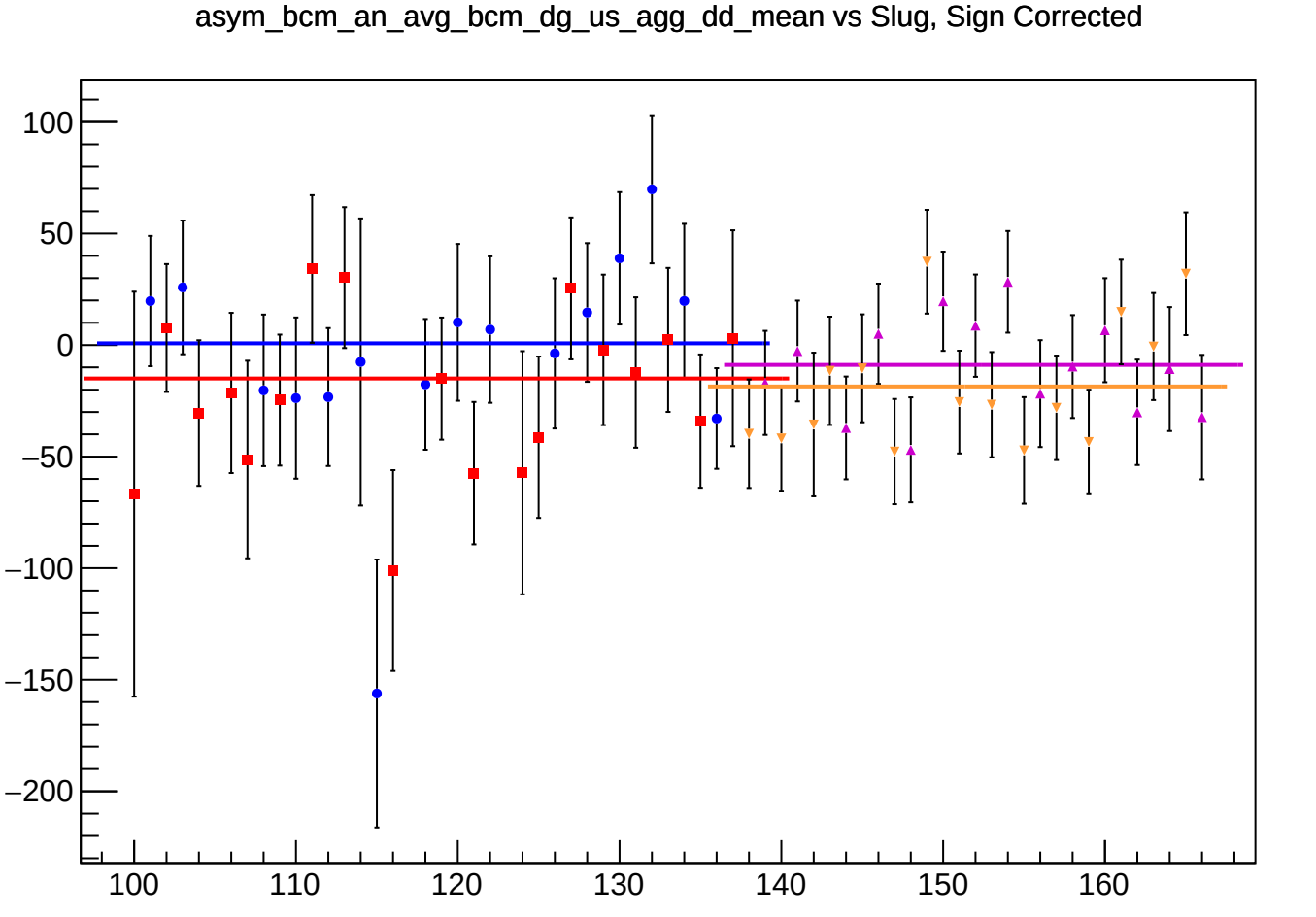
Left: 15.261+/-0.002 χ^2/NDF: 79167.2/28

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

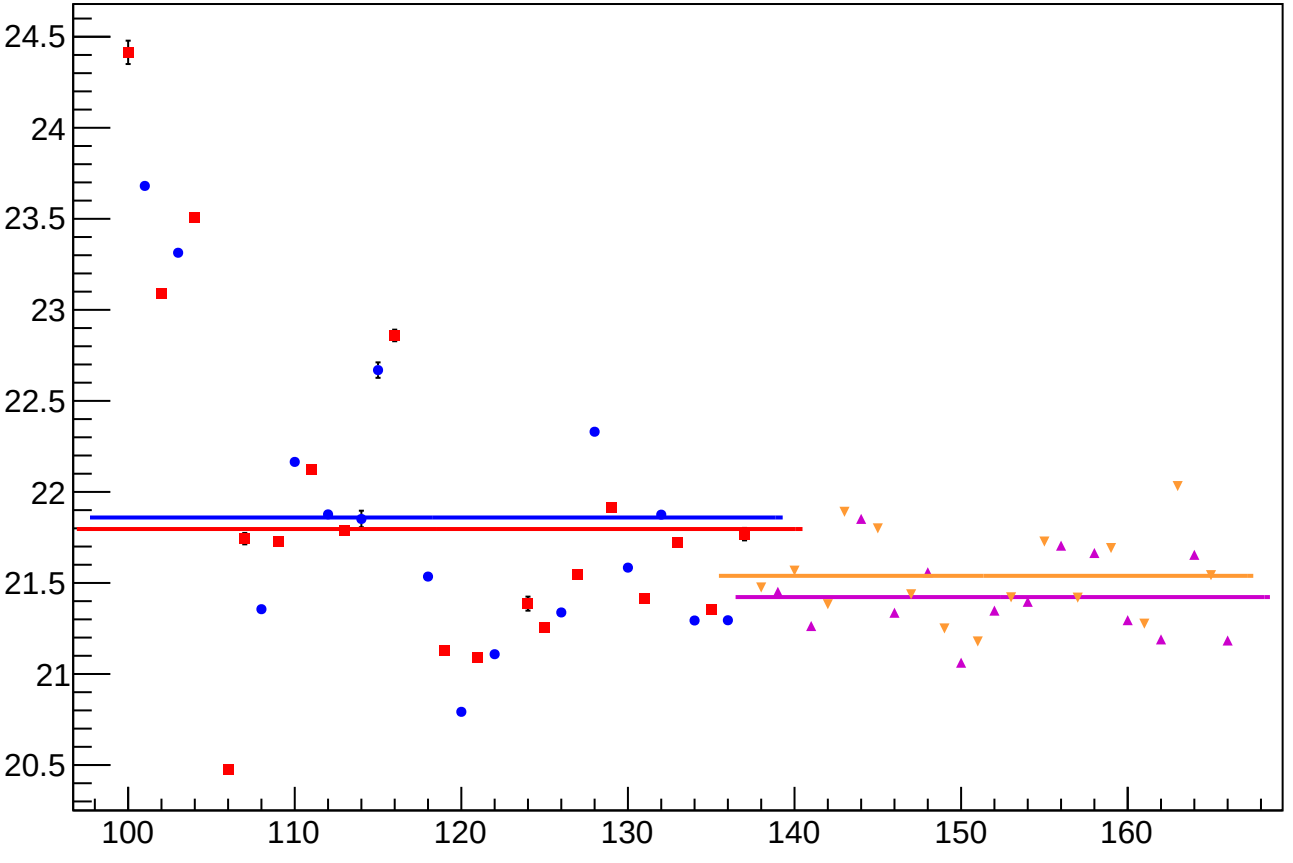
In: 15.718+/-0.003 χ^2/NDF:132715.7/29

Out: 15.739+/-0.003 χ^2/NDF:159716.1/33

All: 15.728+/-0.002 χ^2/NDF: 292466.7/63


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -18.555+/-6.265 χ²/NDF:18.4/14
Right Out: -14.981+/-7.953 χ²/NDF: 15.4/18
Left In: -8.887+/-6.305 χ²/NDF:11.9/13
Left: -13.753+/-4.444 χ²/NDF: 31.5/28
Right: -7.264+/-5.683 χ²/NDF: 36.0/34
In: -5.249+/-4.981 χ²/NDF:31.4/29
Out: -17.187+/-4.921 χ²/NDF:34.0/33
All: -11.290+/-3.501 χ²/NDF: 68.3/63

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.539+/-0.004 χ^2/NDF:2957.9/14

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.422+/-0.004 χ^2/NDF:2479.4/13

Left: 21.481+/-0.003 χ^2/NDF: 5781.8/28

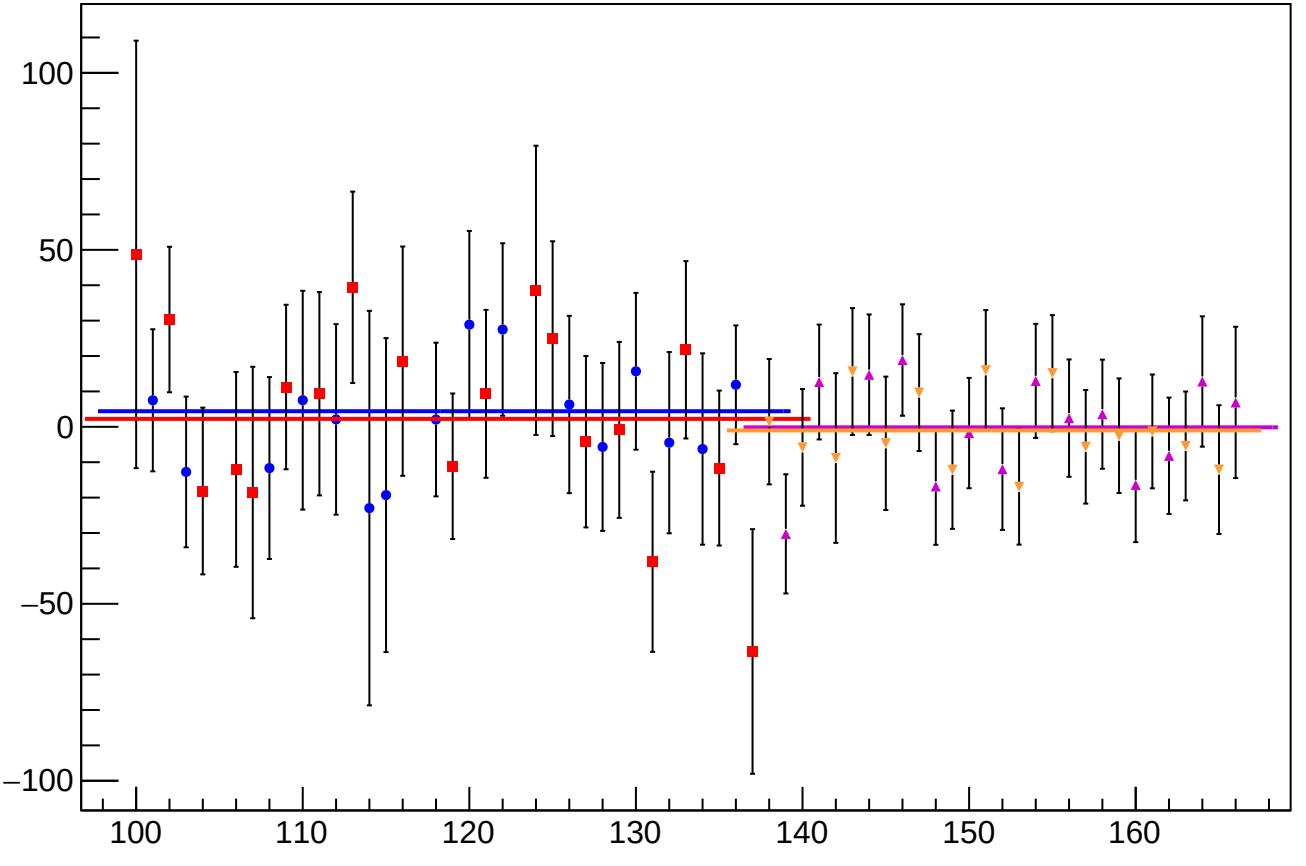
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.587+/-0.004 χ^2/NDF:25560.0/29

Out: 21.638+/-0.003 χ^2/NDF:23109.2/33

All: 21.612+/-0.002 χ^2/NDF: 48774.4/63

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.025+/-4.404 χ^2/NDF:5.4/14

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.149+/-4.456 χ^2/NDF:10.1/13

Left: -0.592+/-3.133 χ^2/NDF: 15.6/28

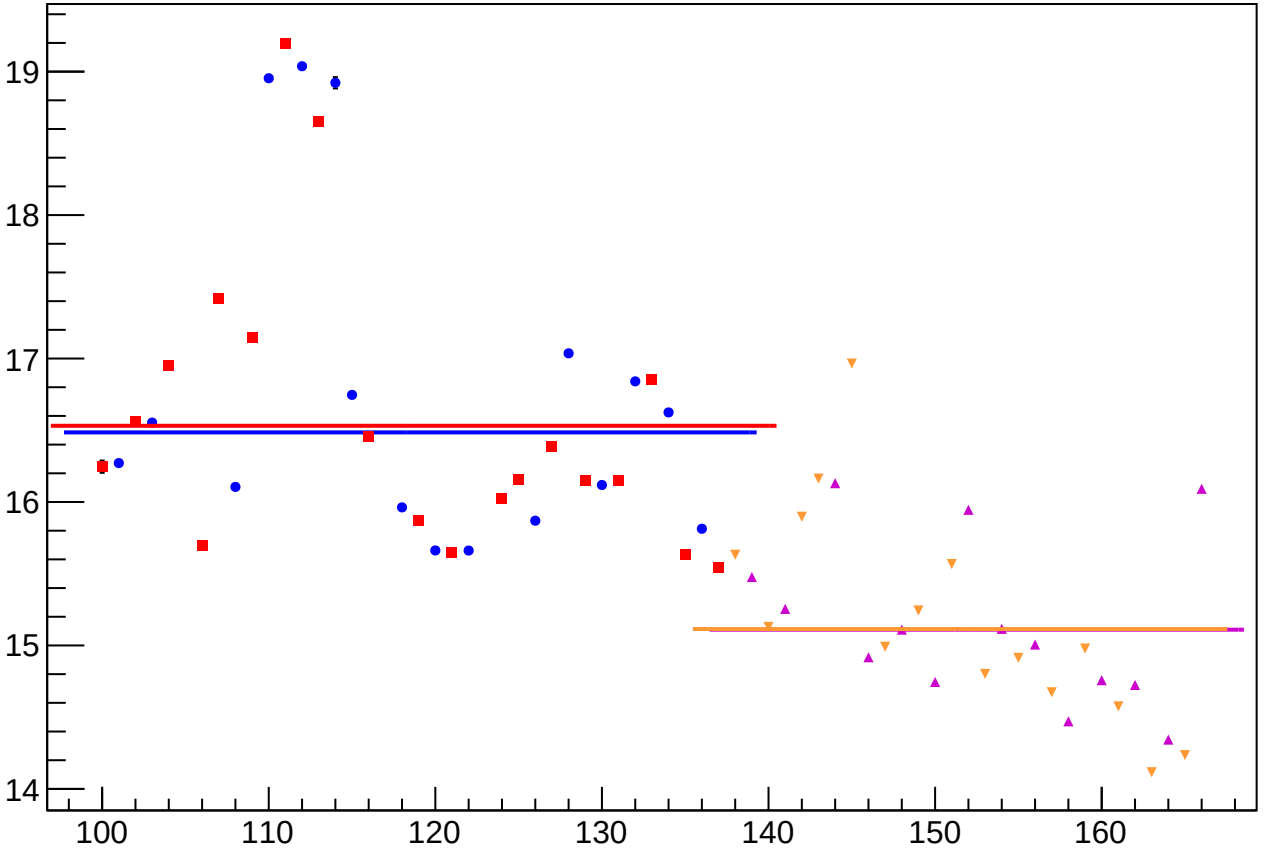
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.423+/-3.606 χ^2/NDF:14.8/29

Out: 0.109+/-3.559 χ^2/NDF:21.0/33

All: 0.758+/-2.533 χ^2/NDF: 35.9/63

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.115+/-0.003 χ^2/NDF:49666.8/14

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.110+/-0.003 χ^2/NDF:27678.0/13

Left: 15.112+/-0.002 χ^2/NDF: 77345.8/28

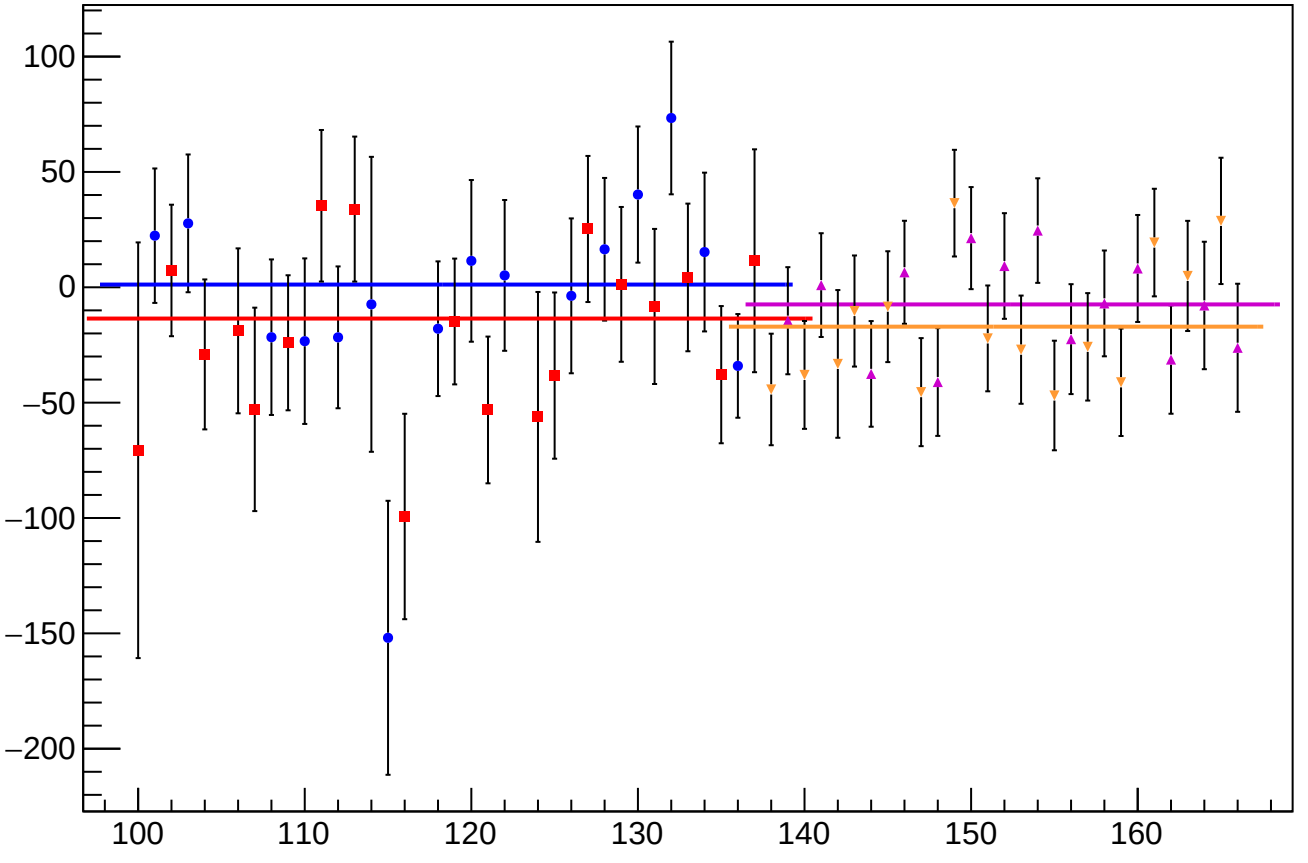
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.585+/-0.003 χ^2/NDF:140609.6/29

Out: 15.606+/-0.003 χ^2/NDF:167945.0/33

All: 15.596+/-0.002 χ^2/NDF: 308590.2/63

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -17.064+/-6.228 χ^2/NDF:18.5/14

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -7.421+/-6.272 χ^2/NDF:11.0/13

Left: -12.276+/-4.419 χ^2/NDF: 30.7/28

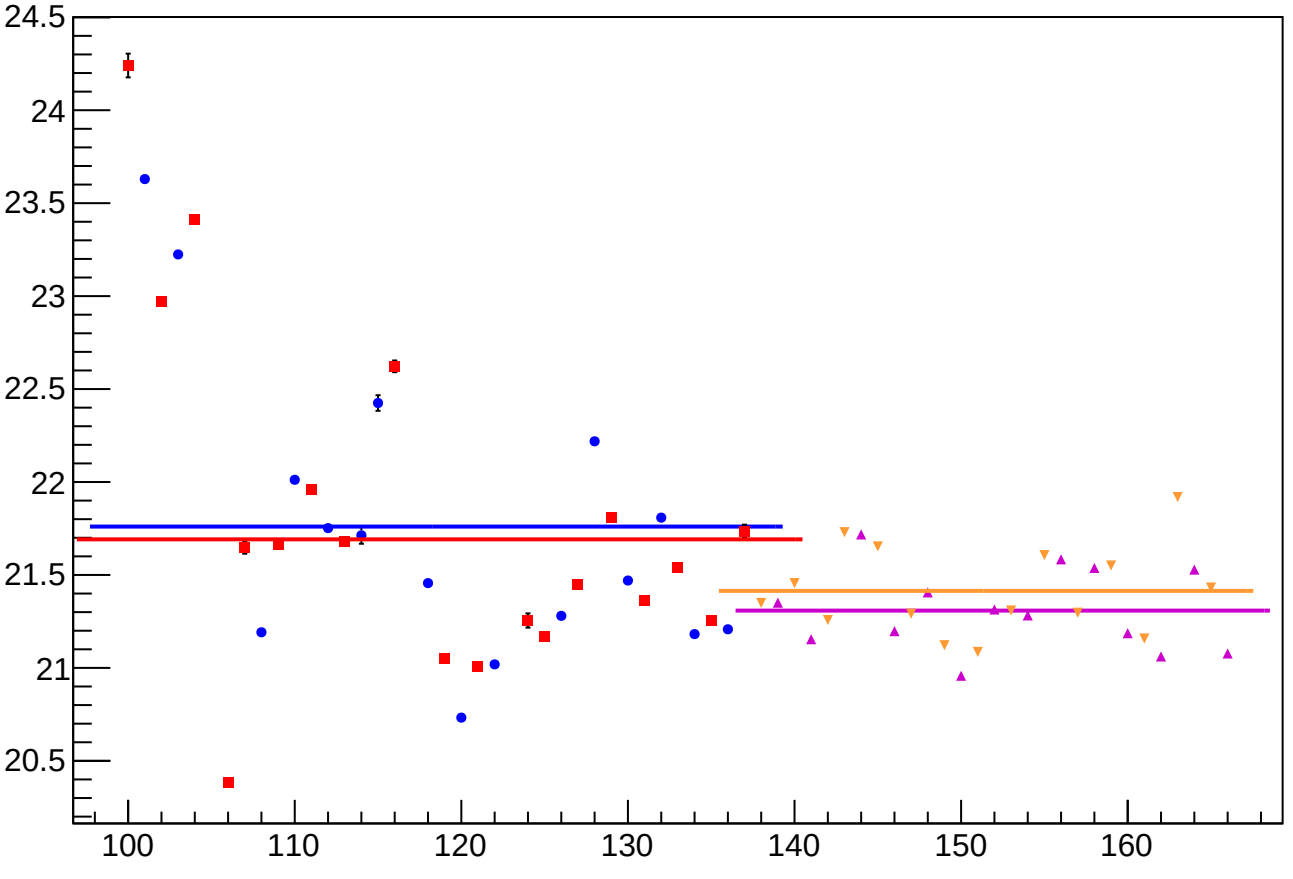
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.189+/-4.956 χ^2/NDF:31.1/29

Out: -15.720+/-4.895 χ^2/NDF:34.5/33

All: -10.027+/-3.483 χ^2/NDF: 68.4/63

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.414+/-0.004 χ^2/NDF:2823.5/14

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.308+/-0.004 χ^2/NDF:2339.1/13

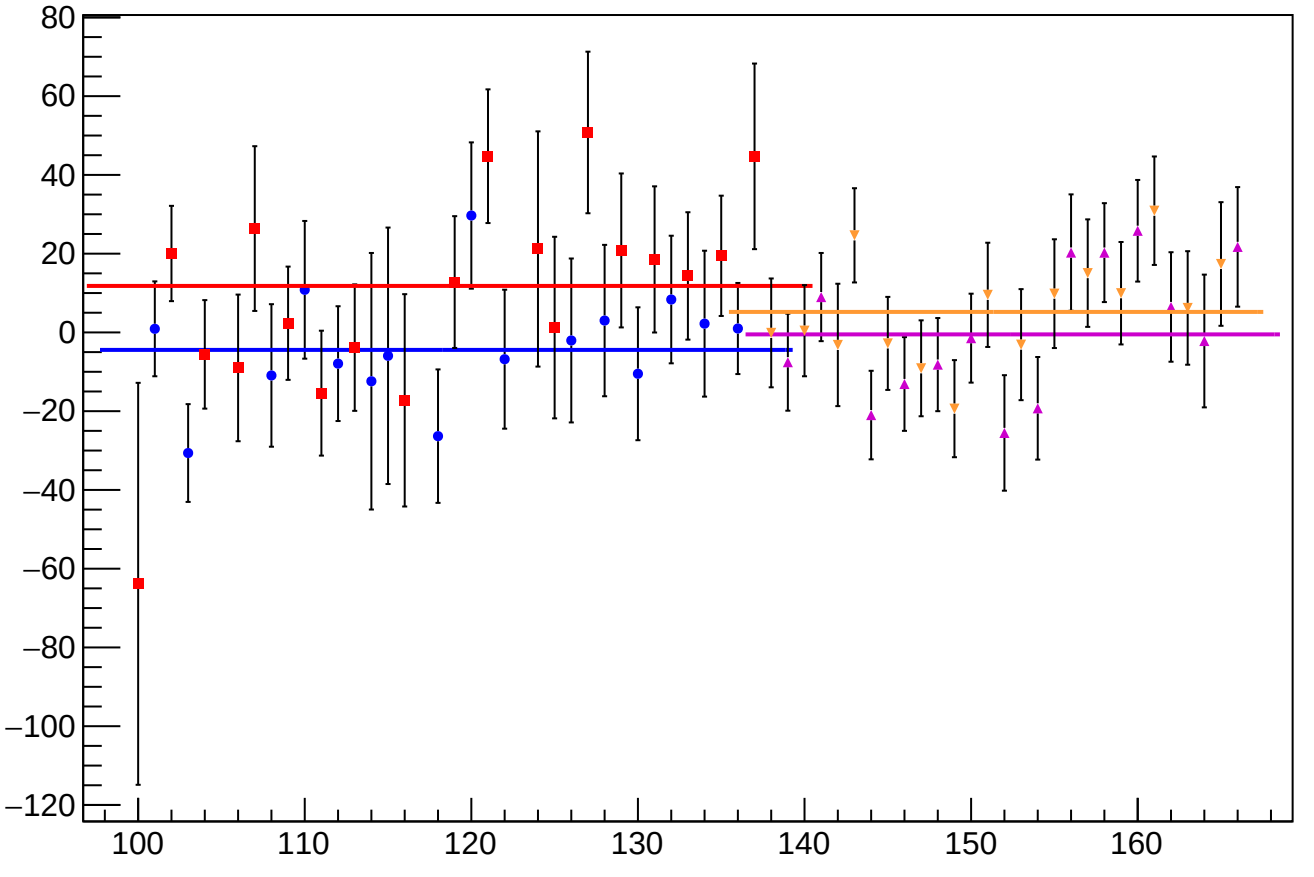
Left: 21.362+/-0.003 χ^2/NDF: 5450.9/28

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.478+/-0.004 χ^2/NDF:25986.6/29

Out: 21.520+/-0.003 χ^2/NDF:22669.7/33

All: 21.499+/-0.002 χ^2/NDF: 48730.3/63



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 5.208+/-3.416 χ^2/NDF:14.4/14

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.499+/-3.430 χ^2/NDF:22.2/13

Left: 2.366+/-2.420 χ^2/NDF: 37.9/28

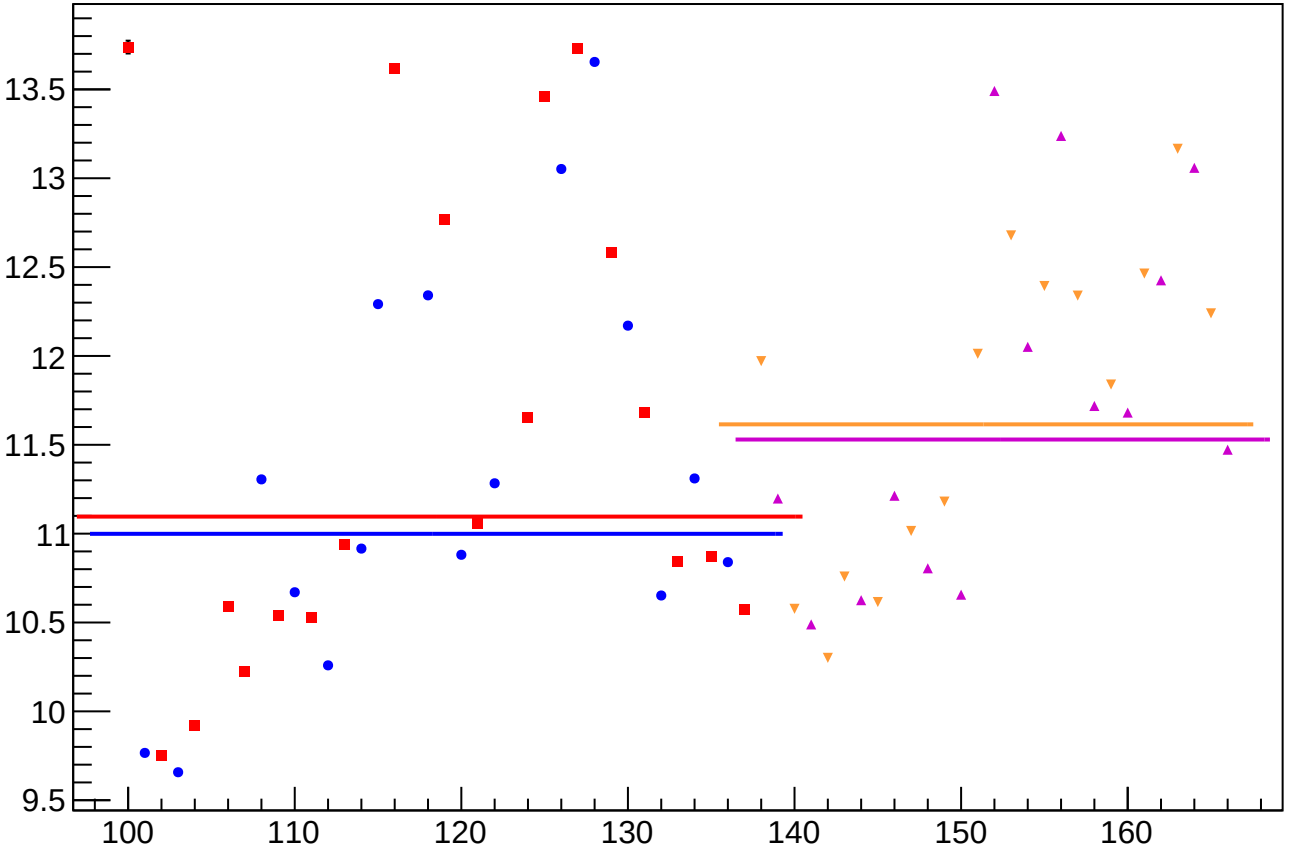
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.107+/-2.639 χ^2/NDF:34.7/29

Out: 7.914+/-2.624 χ^2/NDF:37.6/33

All: 2.932+/-1.861 χ^2/NDF: 79.6/63

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.615+/-0.002 χ^2/NDF:123274.0/14

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.530+/-0.002 χ^2/NDF:143749.9/13

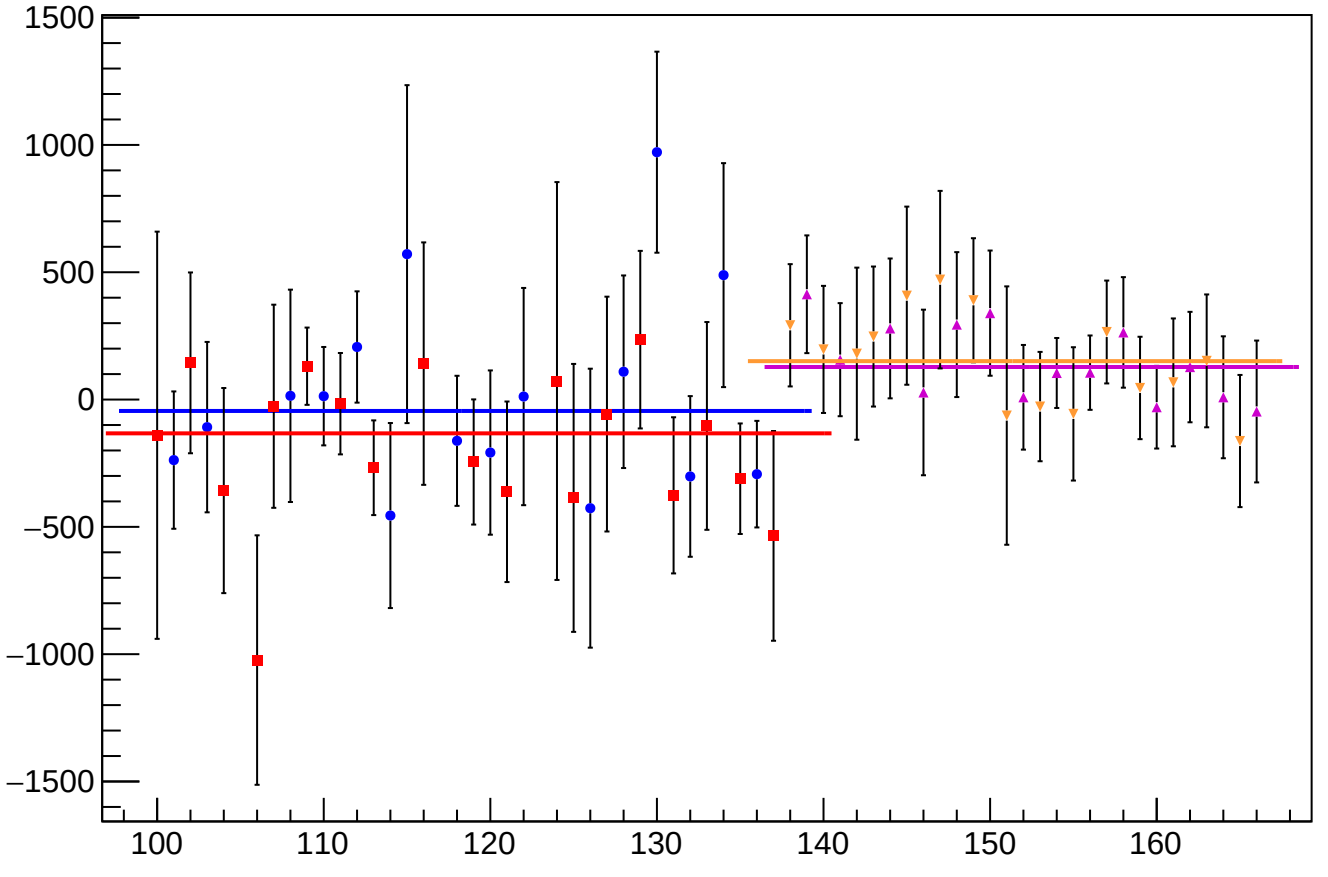
Left: 11.573+/-0.002 χ^2/NDF: 267646.6/28

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.313+/-0.002 χ^2/NDF:299444.9/29

Out: 11.402+/-0.002 χ^2/NDF:305123.4/33

All: 11.358+/-0.001 χ^2/NDF: 605714.6/63



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 127.863+/-55.479 χ^2/NDF:5.4/13

Left: 137.215+/-42.705 χ^2/NDF: 12.0/28

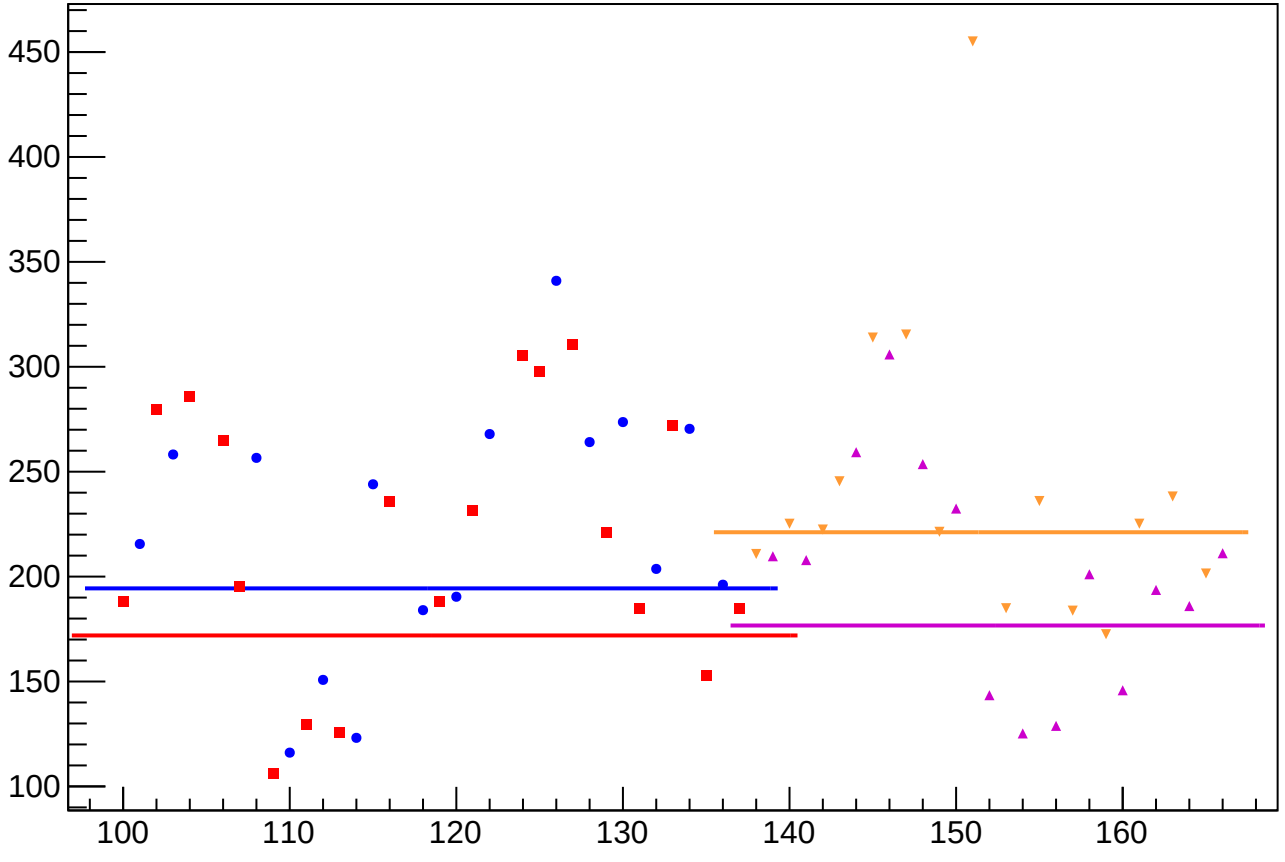
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.275+/-44.896 χ^2/NDF:24.2/29

Out: 11.914+/-47.782 χ^2/NDF:28.2/33

All: 41.848+/-32.719 χ^2/NDF: 53.1/63

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.143+/-0.047 χ^2/NDF:1001102.8/14

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.690+/-0.039 χ^2/NDF:1516345.9/13

Left: 194.804+/-0.030 χ^2/NDF: 3040642.9/28

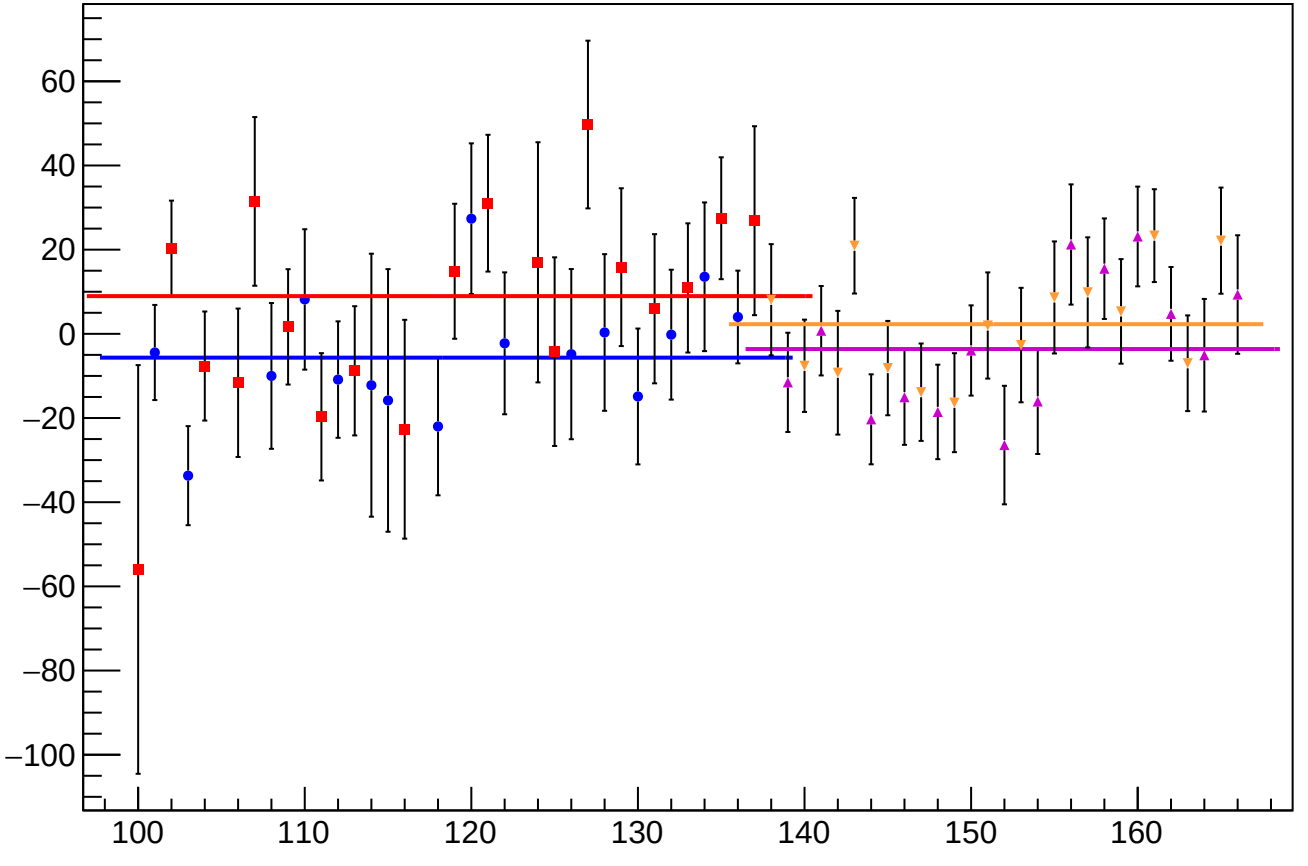
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.797+/-0.032 χ^2/NDF:2628585.4/29

Out: 197.044+/-0.034 χ^2/NDF:3182198.8/33

All: 189.477+/-0.023 χ^2/NDF: 5905215.1/63

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.612+/-3.187 χ^2/NDF:21.6/13

Left: -0.621+/-2.239 χ^2/NDF: 40.5/28

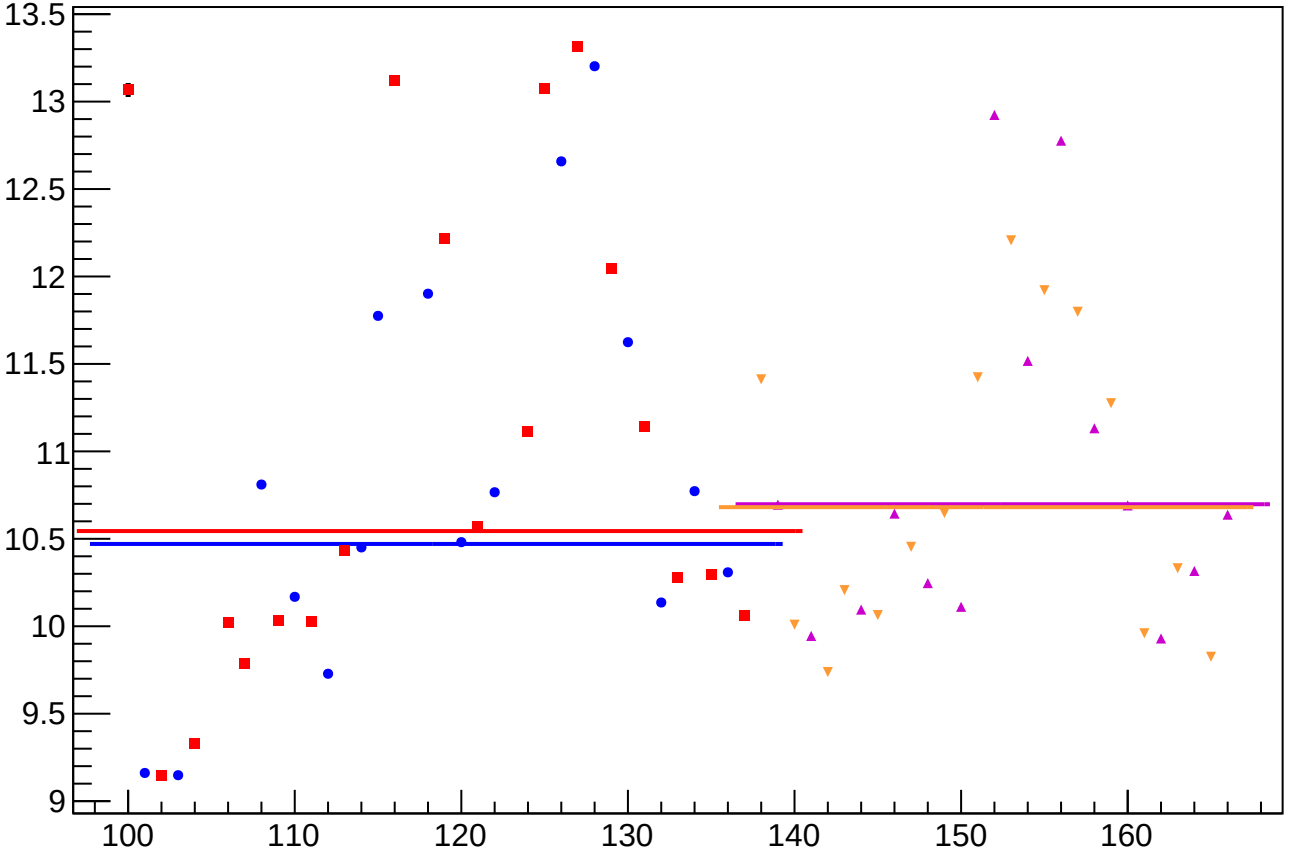
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.421+/-2.478 χ^2/NDF:35.4/29

Out: 4.922+/-2.449 χ^2/NDF:41.7/33

All: 0.305+/-1.742 χ^2/NDF: 84.4/63

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.681+/-0.002 χ^2/NDF:120492.5/14

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.698+/-0.002 χ^2/NDF:140451.4/13

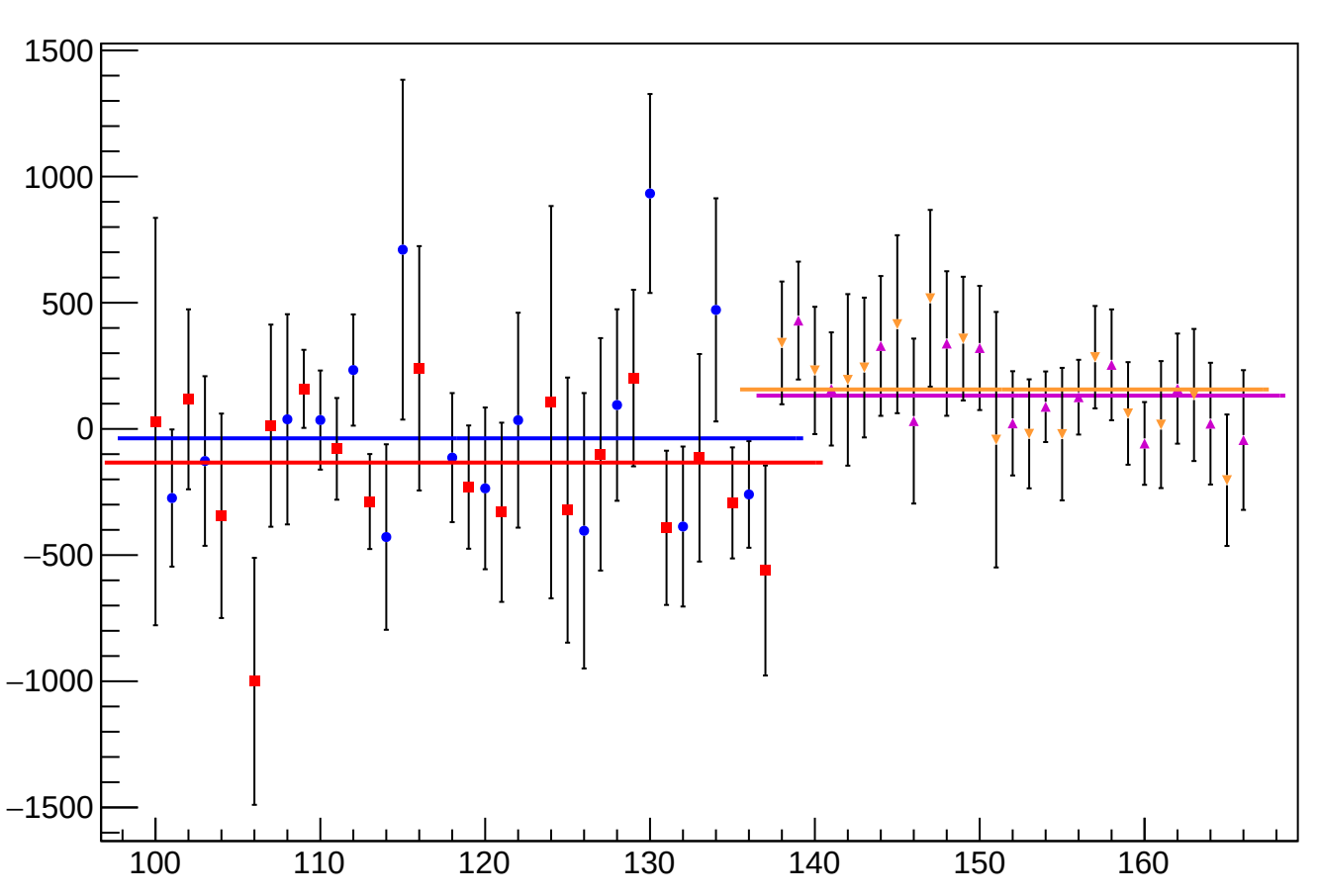
Left: 10.689+/-0.002 χ^2/NDF: 260971.9/28

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.608+/-0.002 χ^2/NDF:301835.6/29

Out: 10.627+/-0.002 χ^2/NDF:308758.6/33

All: 10.618+/-0.001 χ^2/NDF: 610655.3/63



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 156.463+/-67.332 χ^2/NDF:7.2/14

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 131.923+/-56.028 χ^2/NDF:6.0/13

Left: 141.963+/-43.068 χ^2/NDF: 13.2/28

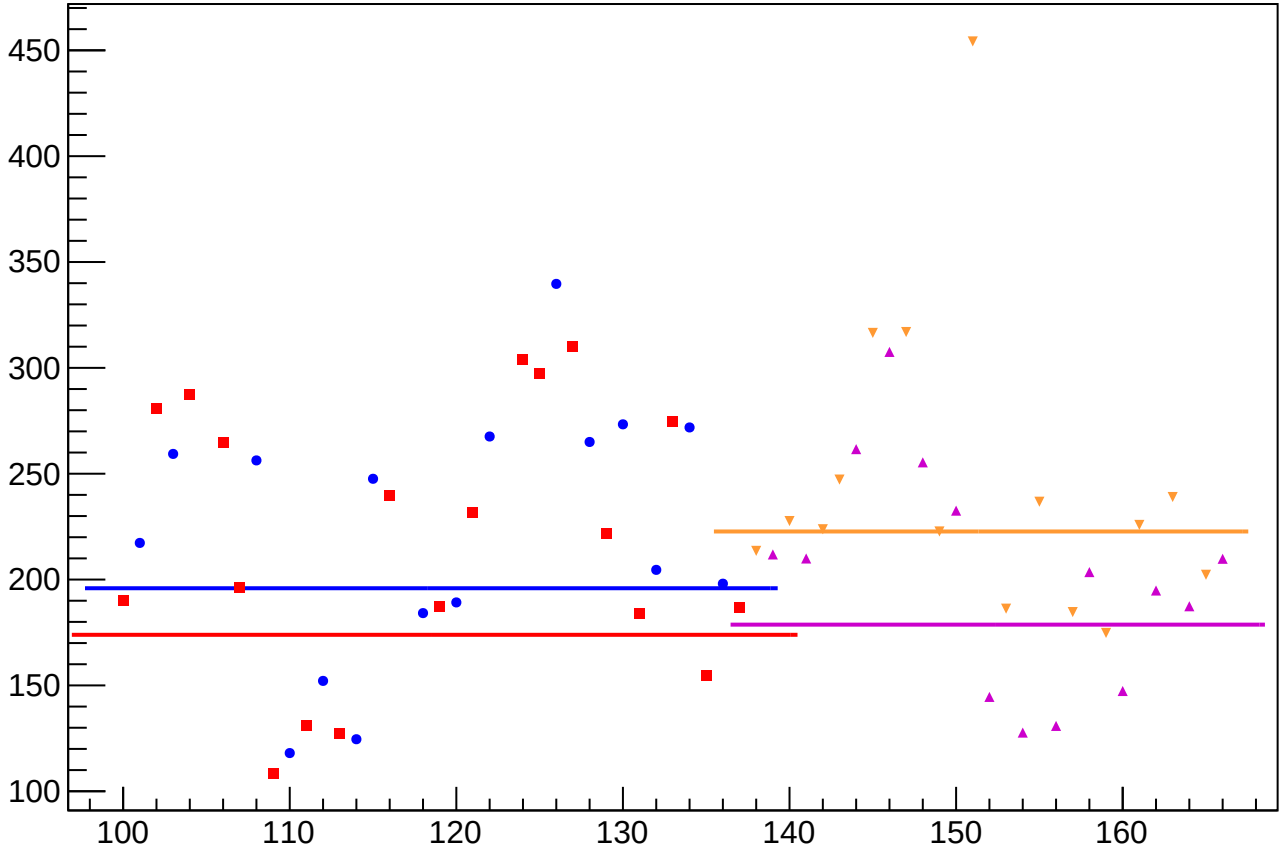
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 73.278+/-45.287 χ^2/NDF:24.8/29

Out: 14.843+/-48.151 χ^2/NDF:29.1/33

All: 45.850+/-32.989 χ^2/NDF: 54.7/63

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.713+/-0.048 χ^2/NDF:988245.3/14

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 178.704+/-0.040 χ^2/NDF:1474270.2/13

Left: 196.709+/-0.030 χ^2/NDF: 2967345.9/28

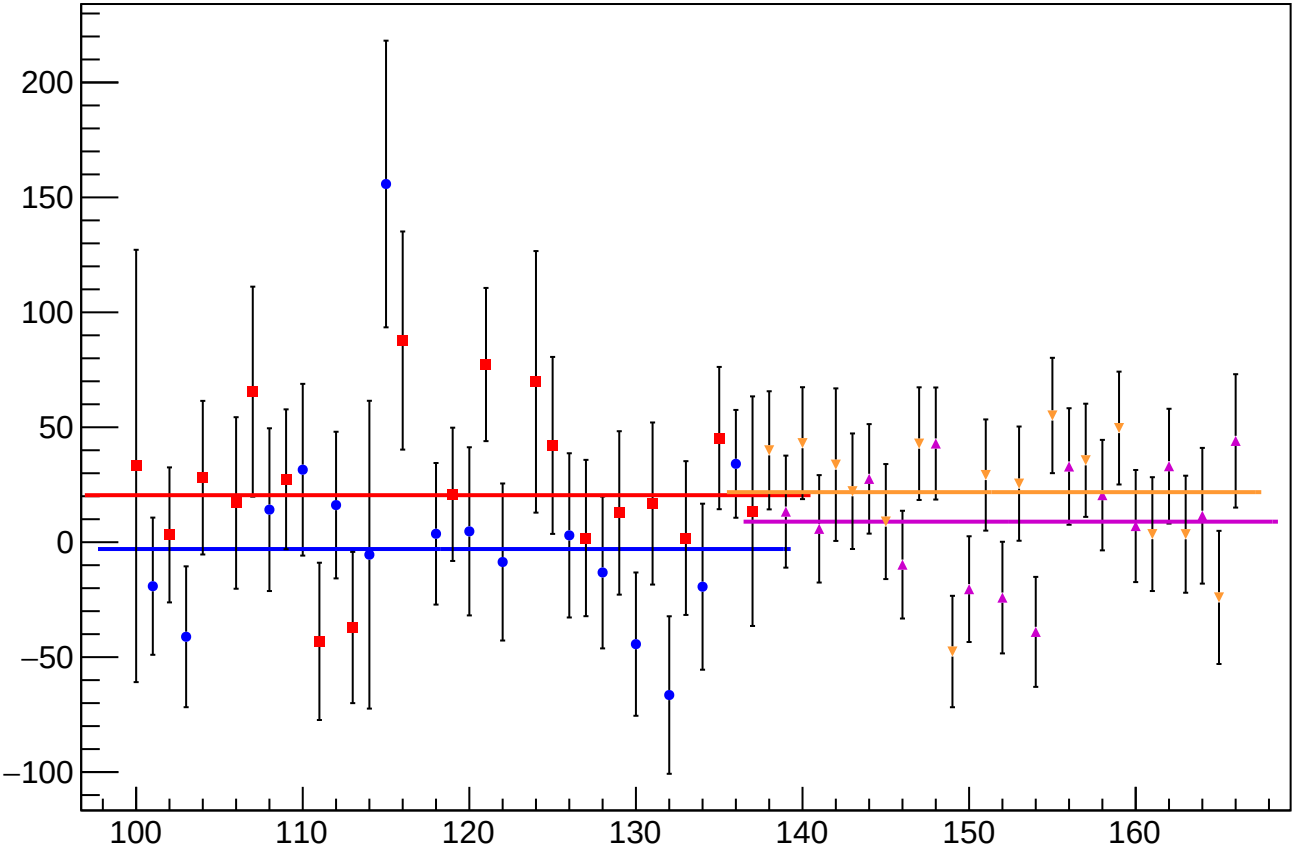
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.665+/-0.032 χ^2/NDF:2550590.3/29

Out: 198.863+/-0.034 χ^2/NDF:3101392.0/33

All: 191.330+/-0.023 χ^2/NDF: 5744252.8/63

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.773+/-6.558 χ^2/NDF:17.6/14

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.934+/-6.590 χ^2/NDF:14.3/13

Left: 15.385+/-4.649 χ^2/NDF: 33.8/28

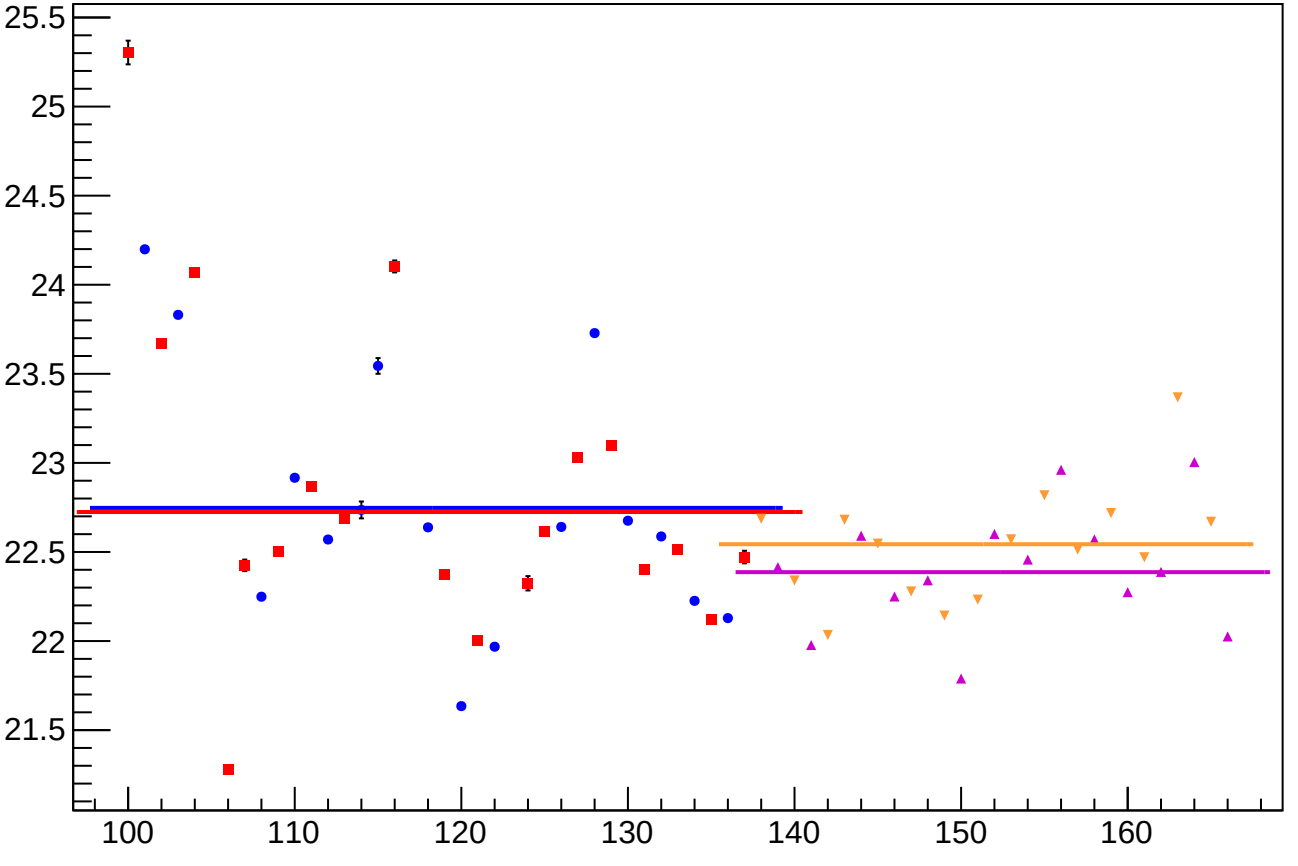
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.435+/-5.198 χ^2/NDF:33.4/29

Out: 21.266+/-5.144 χ^2/NDF:32.9/33

All: 12.939+/-3.656 χ^2/NDF: 71.7/63

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.544+/-0.005 χ^2/NDF:4342.5/14

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.387+/-0.005 χ^2/NDF:4733.0/13

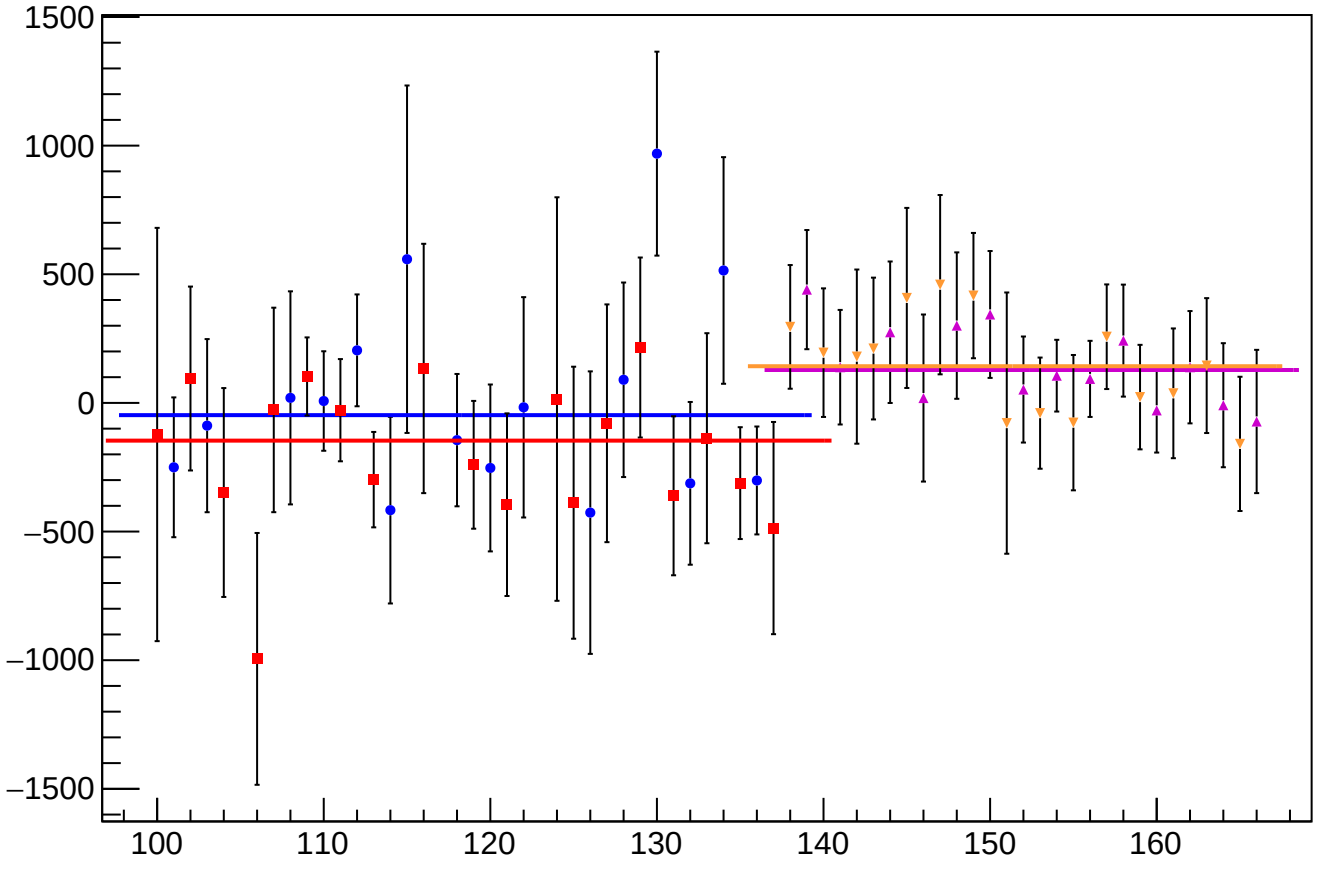
Left: 22.466+/-0.003 χ^2/NDF: 9644.3/28

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

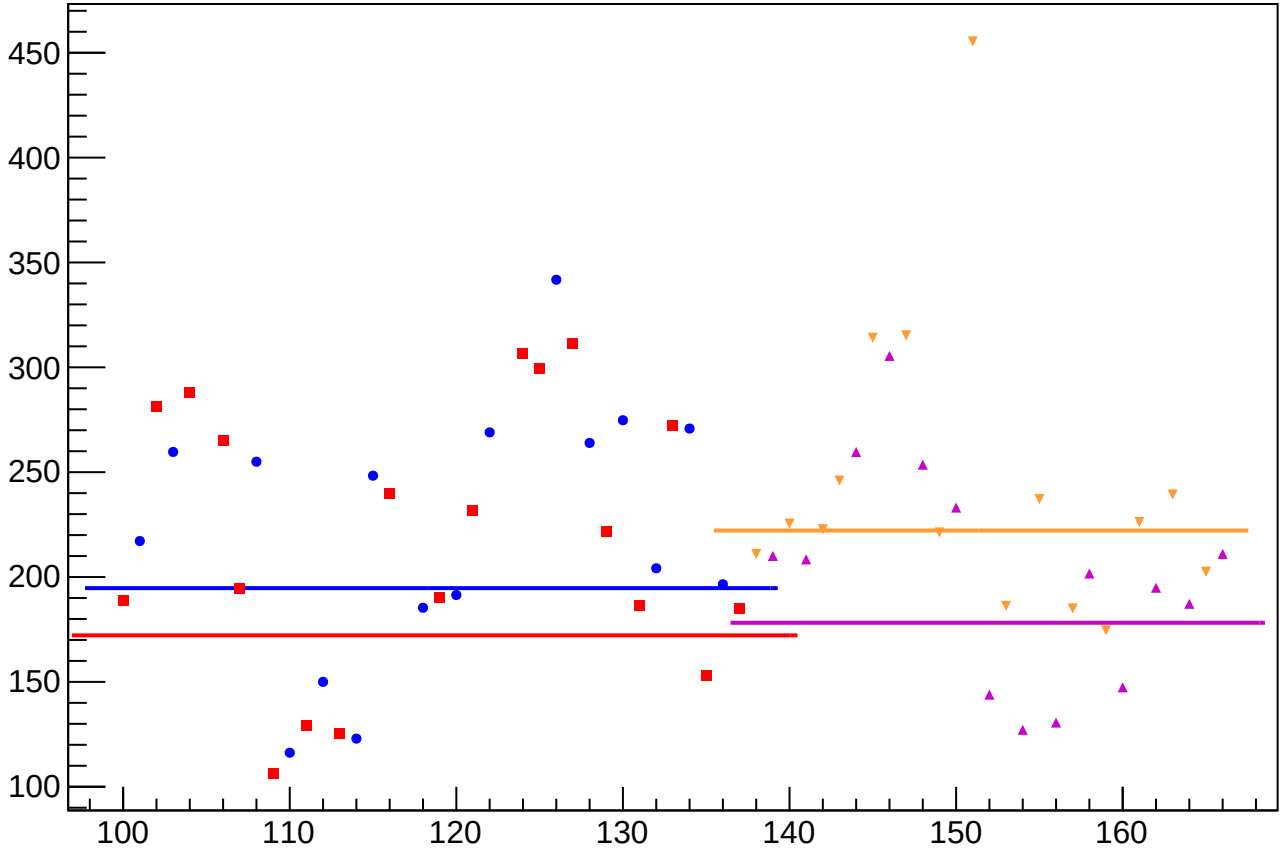
In: 22.523+/-0.004 χ^2/NDF:21620.7/29

Out: 22.613+/-0.004 χ^2/NDF:19417.6/33

All: 22.569+/-0.003 χ^2/NDF: 41341.1/63


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 142.596+/-67.171 χ²/NDF:7.0/14
Right Out: -146.573+/-68.398 χ²/NDF: 11.6/18
Left In: 127.929+/-55.868 χ²/NDF:5.6/13
Left: 133.927+/-42.953 χ²/NDF: 12.6/28
Right: -102.614+/-51.010 χ²/NDF: 27.9/34
In: 66.976+/-45.132 χ²/NDF:24.4/29
Out: 0.629+/-47.925 χ²/NDF:27.6/33
All: 35.792+/-32.856 χ²/NDF: 53.1/63

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.186+/-0.047 χ^2/NDF:981179.0/14

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 178.190+/-0.040 χ^2/NDF:1463579.0/13

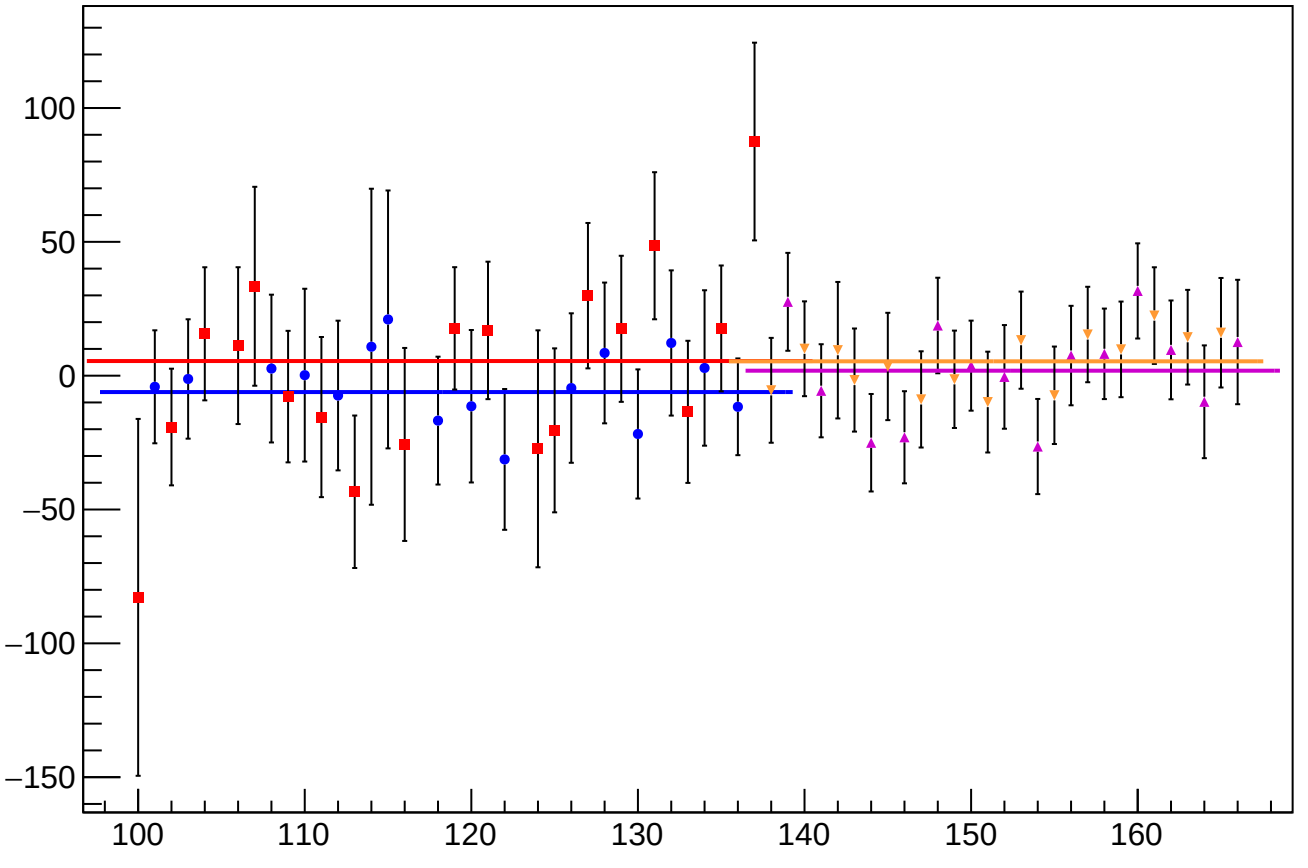
Left: 196.180+/-0.030 χ^2/NDF: 2951938.6/28

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.928+/-0.032 χ^2/NDF:2576608.5/29

Out: 197.639+/-0.034 χ^2/NDF:3196303.9/33

All: 190.372+/-0.023 χ^2/NDF: 5859663.6/63



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.368+/-4.854 χ^2/NDF:4.4/14

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.863+/-4.892 χ^2/NDF:13.6/13

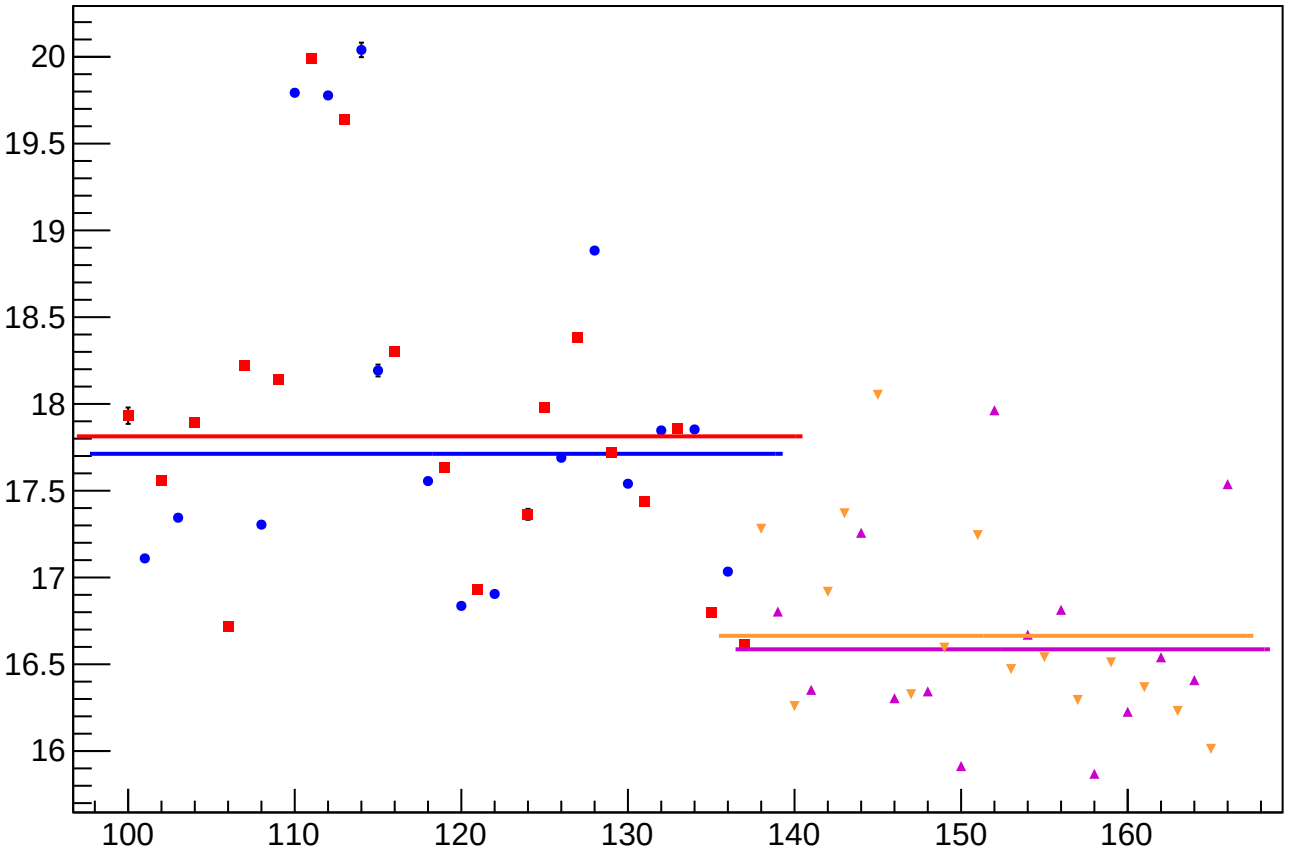
Left: 3.629+/-3.446 χ^2/NDF: 18.3/28

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -0.972+/-3.928 χ^2/NDF:17.7/29

Out: 5.405+/-3.891 χ^2/NDF:23.6/33

All: 2.247+/-2.765 χ^2/NDF: 42.7/63



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.664+/-0.003 χ^2/NDF:23218.0/14

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.586+/-0.003 χ^2/NDF:25851.2/13

Left: 16.625+/-0.002 χ^2/NDF: 49324.5/28

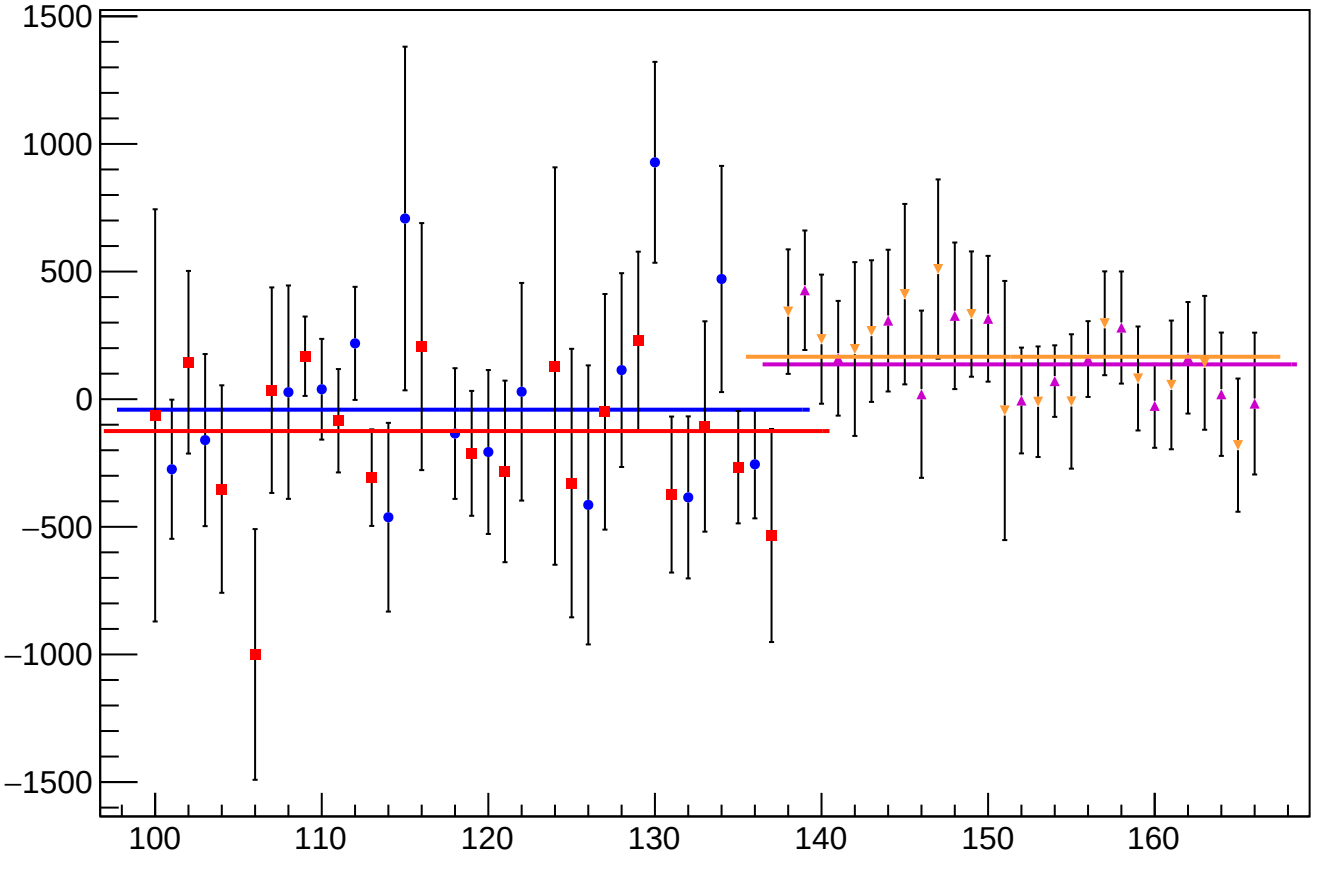
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.986+/-0.003 χ^2/NDF:99496.2/29

Out: 17.075+/-0.003 χ^2/NDF:95997.8/33

All: 17.031+/-0.002 χ^2/NDF: 196007.3/63

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 166.229+/-67.480 χ^2/NDF:6.5/14

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 136.417+/-56.140 χ^2/NDF:5.7/13

Left: 148.611+/-43.157 χ^2/NDF: 12.3/28

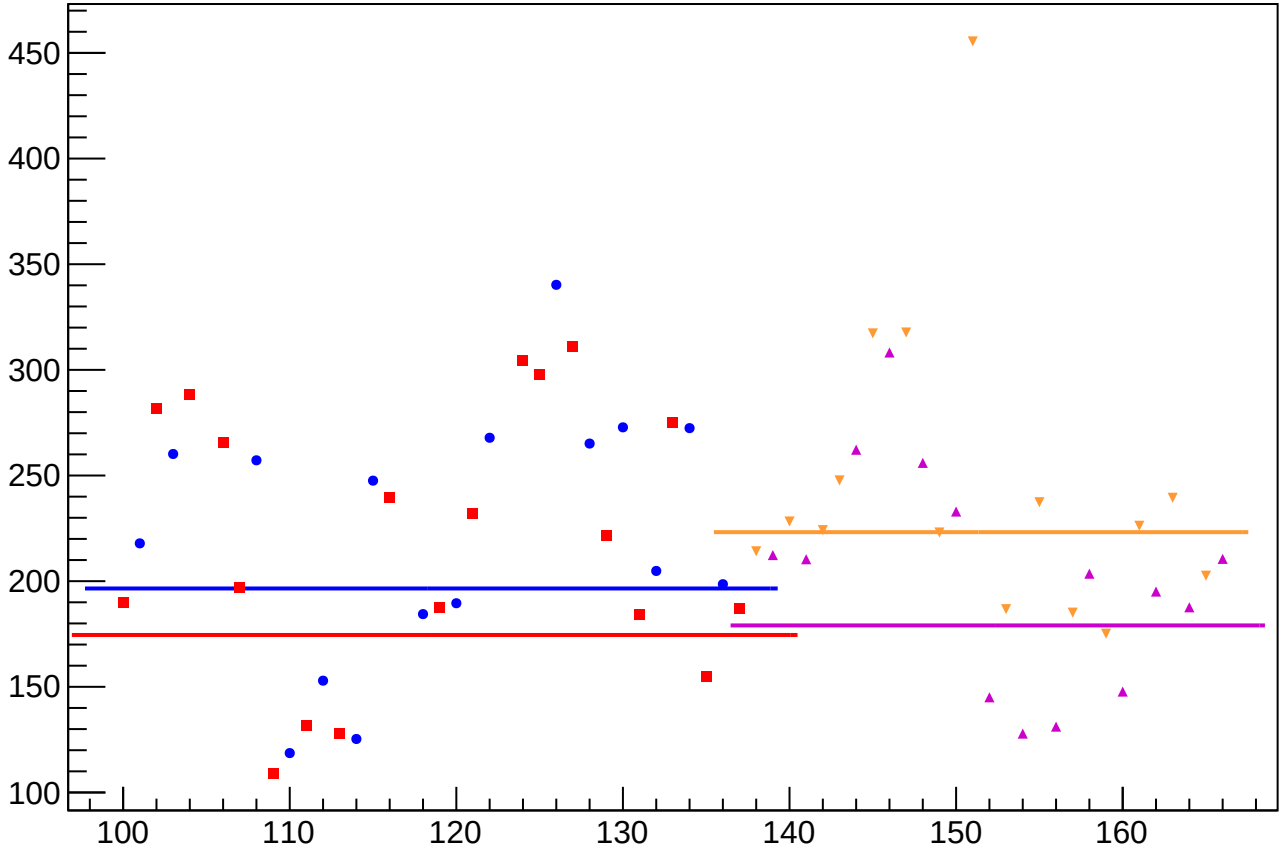
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 74.945+/-45.391 χ^2/NDF:24.8/29

Out: 24.150+/-48.281 χ^2/NDF:28.4/33

All: 51.113+/-33.071 χ^2/NDF: 53.8/63

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.197+/-0.048 χ^2/NDF:988439.9/14

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 179.058+/-0.040 χ^2/NDF:1474198.2/13

Left: 197.112+/-0.031 χ^2/NDF: 2968337.0/28

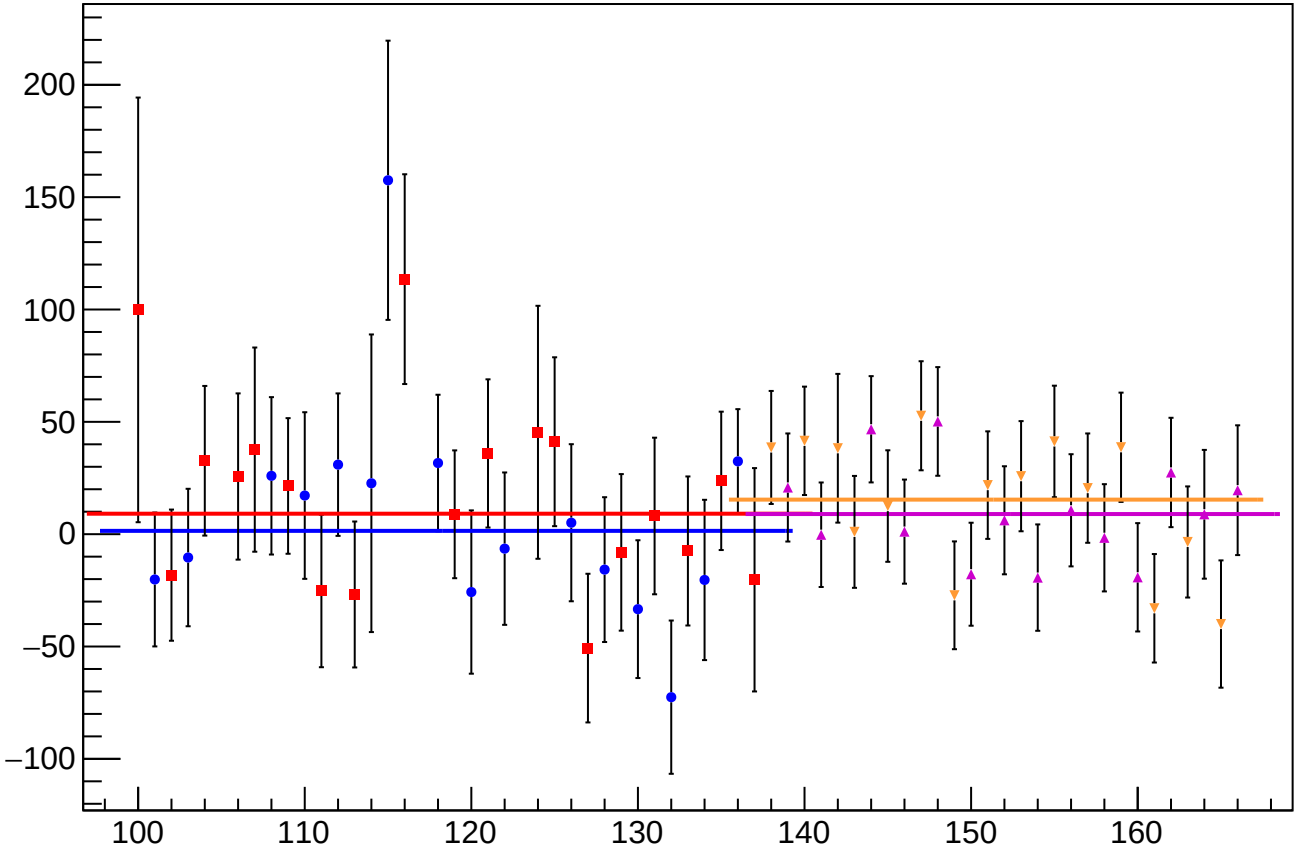
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.112+/-0.032 χ^2/NDF:2542141.2/29

Out: 199.448+/-0.034 χ^2/NDF:3084692.4/33

All: 191.838+/-0.023 χ^2/NDF: 5720442.9/63

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 15.381+/-6.470 χ^2/NDF:19.1/14

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 8.962+/-6.518 χ^2/NDF:11.0/13

Left: 12.195+/-4.592 χ^2/NDF: 30.6/28

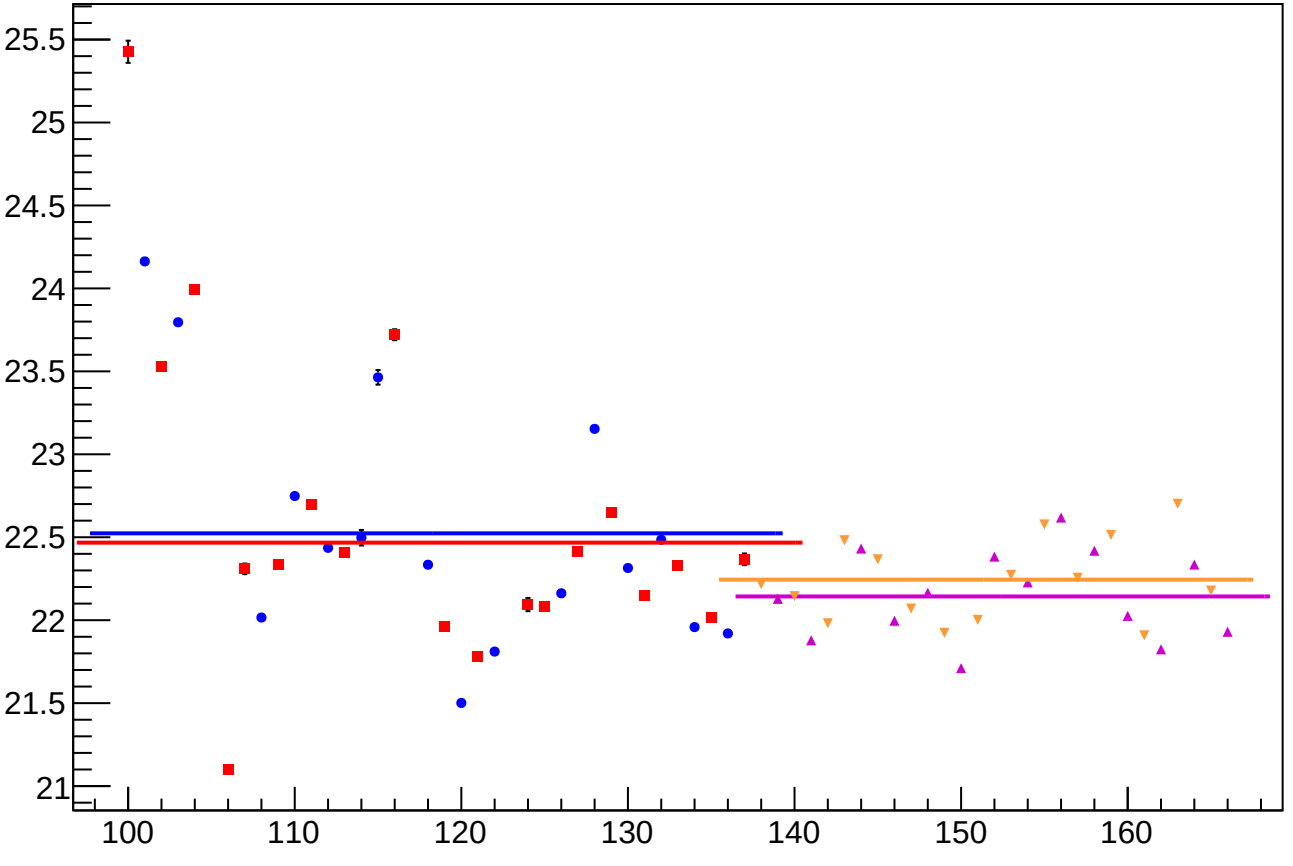
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.136+/-5.143 χ^2/NDF:30.2/29

Out: 12.976+/-5.079 χ^2/NDF:35.9/33

All: 9.599+/-3.614 χ^2/NDF: 67.0/63

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.244+/-0.005 χ^2/NDF:2749.1/14

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.143+/-0.005 χ^2/NDF:3156.0/13

Left: 22.194+/-0.003 χ^2/NDF: 6148.4/28

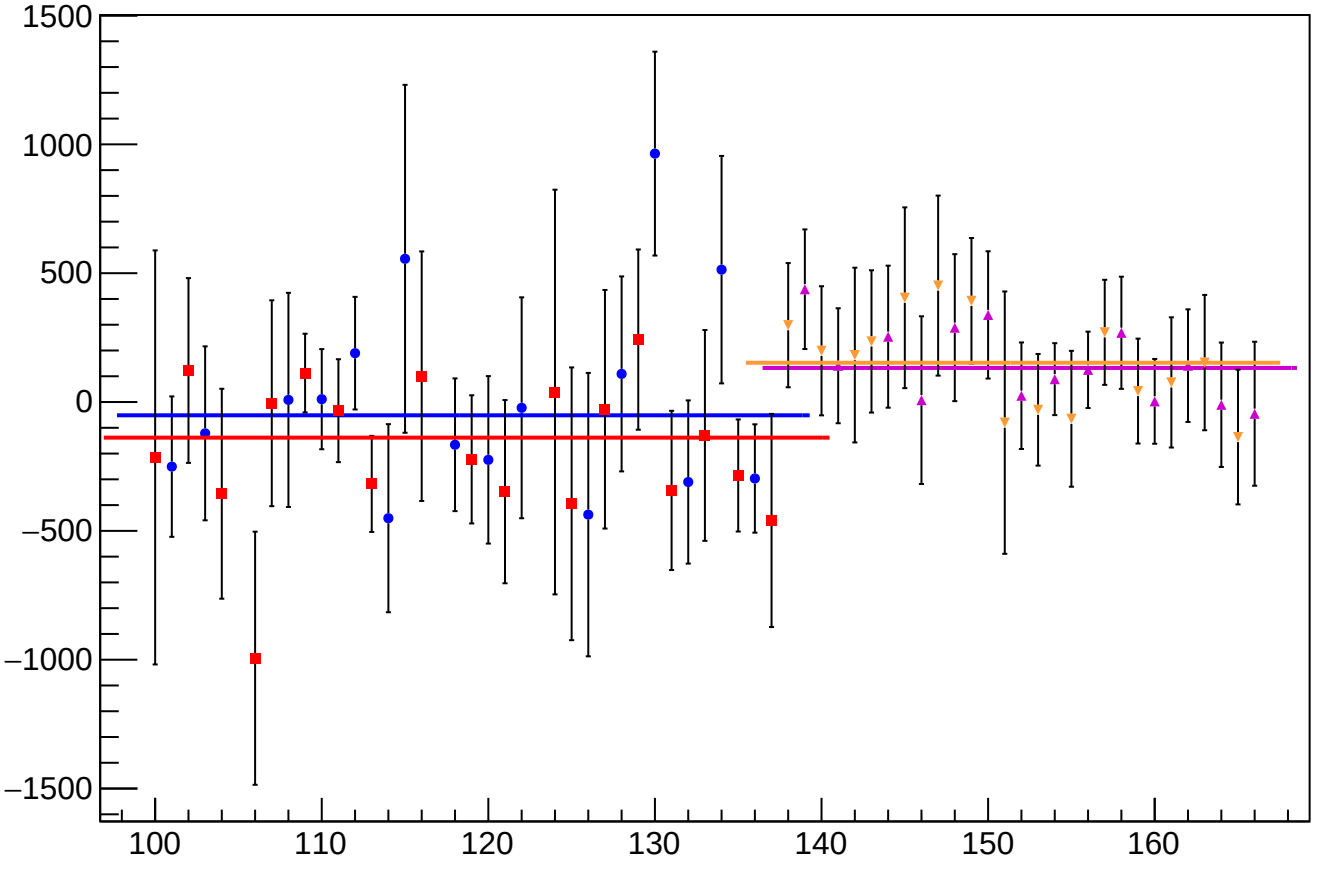
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.287+/-0.004 χ^2/NDF:21675.5/29

Out: 22.330+/-0.004 χ^2/NDF:19288.6/33

All: 22.309+/-0.003 χ^2/NDF: 41036.0/63

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 152.449+/-67.318 χ^2/NDF:6.3/14

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 132.311+/-55.979 χ^2/NDF:5.2/13

Left: 140.543+/-43.042 χ^2/NDF: 11.5/28

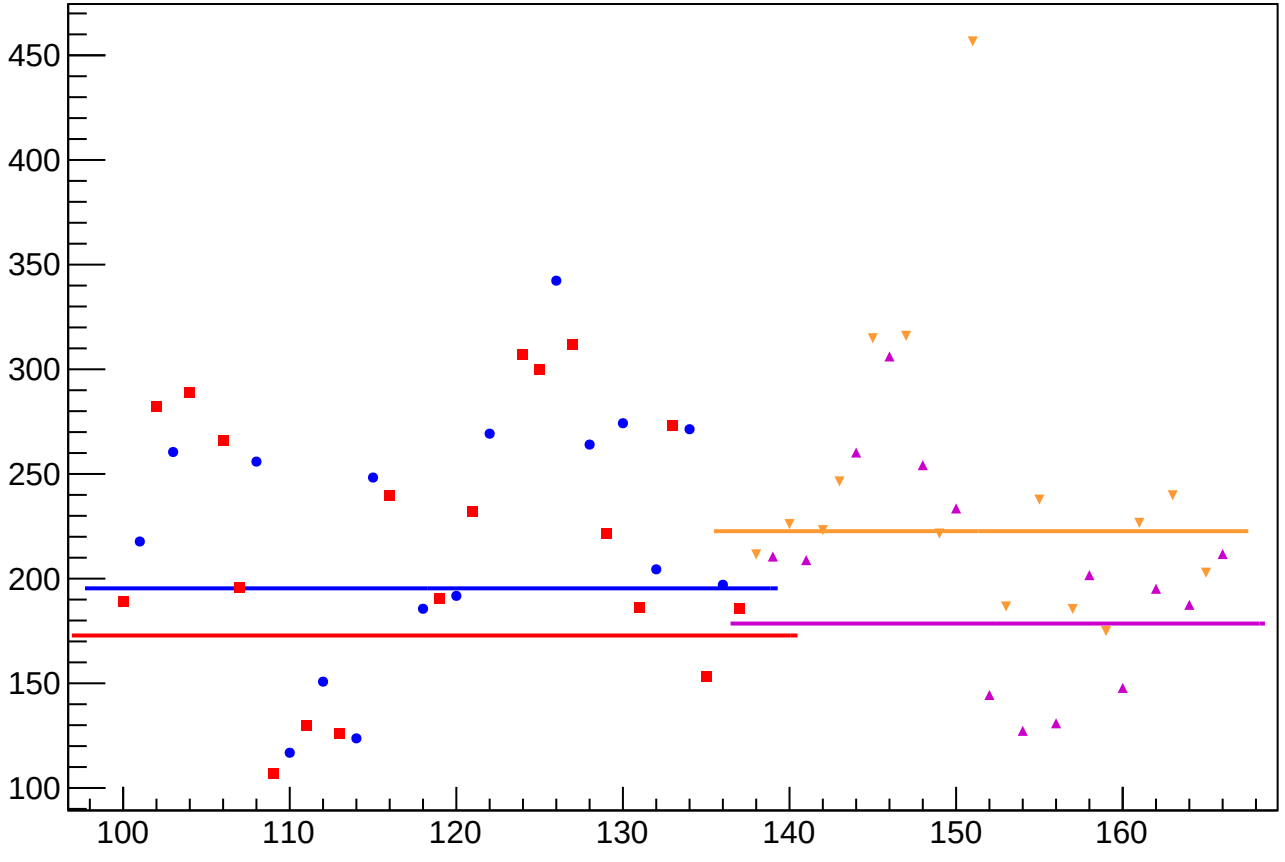
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 68.538+/-45.237 χ^2/NDF:24.3/29

Out: 9.926+/-48.056 χ^2/NDF:27.0/33

All: 41.002+/-32.939 χ^2/NDF: 52.1/63

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.669+/-0.048 χ^2/NDF:981375.8/14

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 178.541+/-0.040 χ^2/NDF:1463630.0/13

Left: 196.581+/-0.030 χ^2/NDF: 2953089.7/28

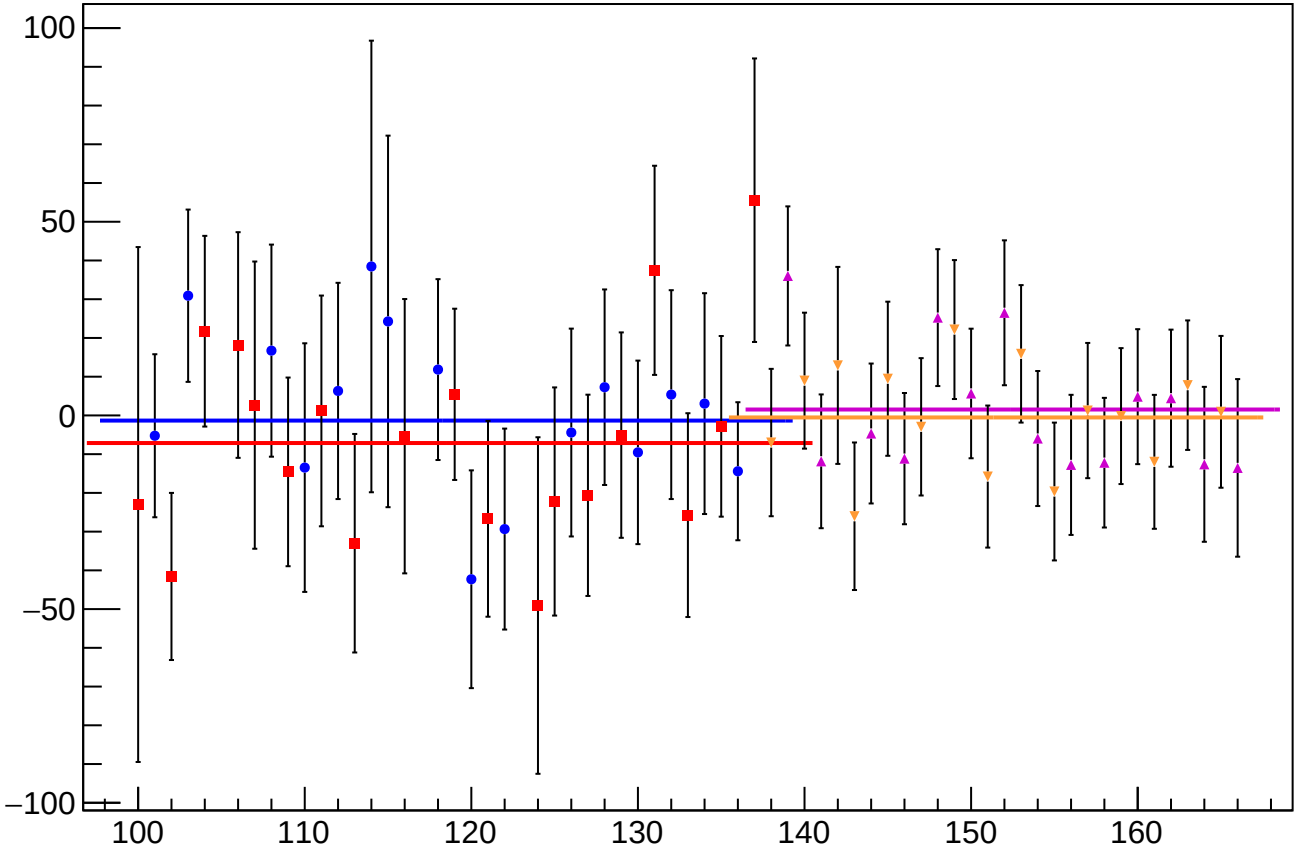
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.377+/-0.032 χ^2/NDF:2567713.2/29

Out: 198.232+/-0.034 χ^2/NDF:3178243.6/33

All: 190.886+/-0.023 χ^2/NDF: 5834101.6/63

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.521+/-4.741 χ^2/NDF:7.8/14

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 1.526+/-4.797 χ^2/NDF:11.1/13

Left: 0.490+/-3.372 χ^2/NDF: 18.9/28

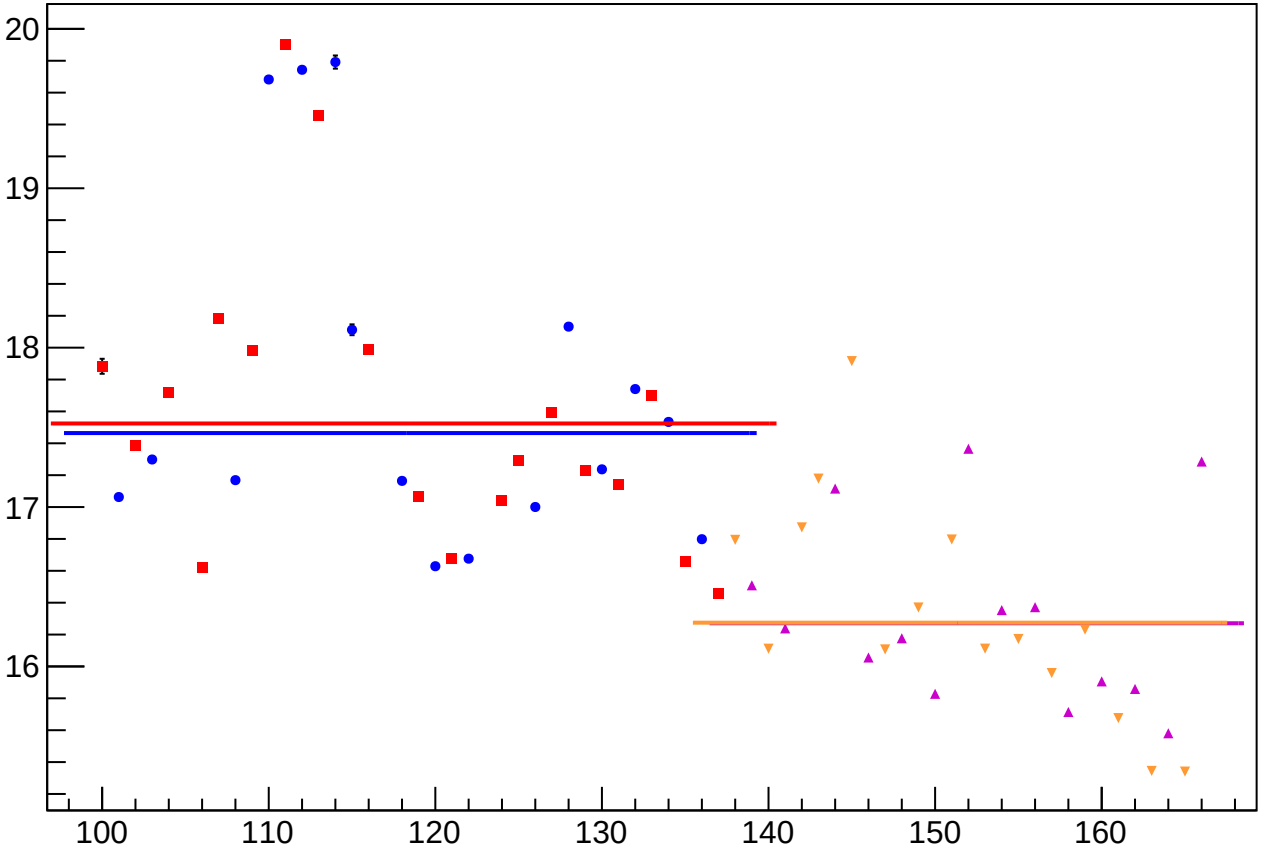
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 0.518+/-3.860 χ^2/NDF:19.2/29

Out: -2.861+/-3.810 χ^2/NDF:22.9/33

All: -1.193+/-2.711 χ^2/NDF: 42.5/63

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.275+/-0.003 χ^2/NDF:36772.9/14

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.271+/-0.003 χ^2/NDF:23945.0/13

Left: 16.273+/-0.002 χ^2/NDF: 60718.4/28

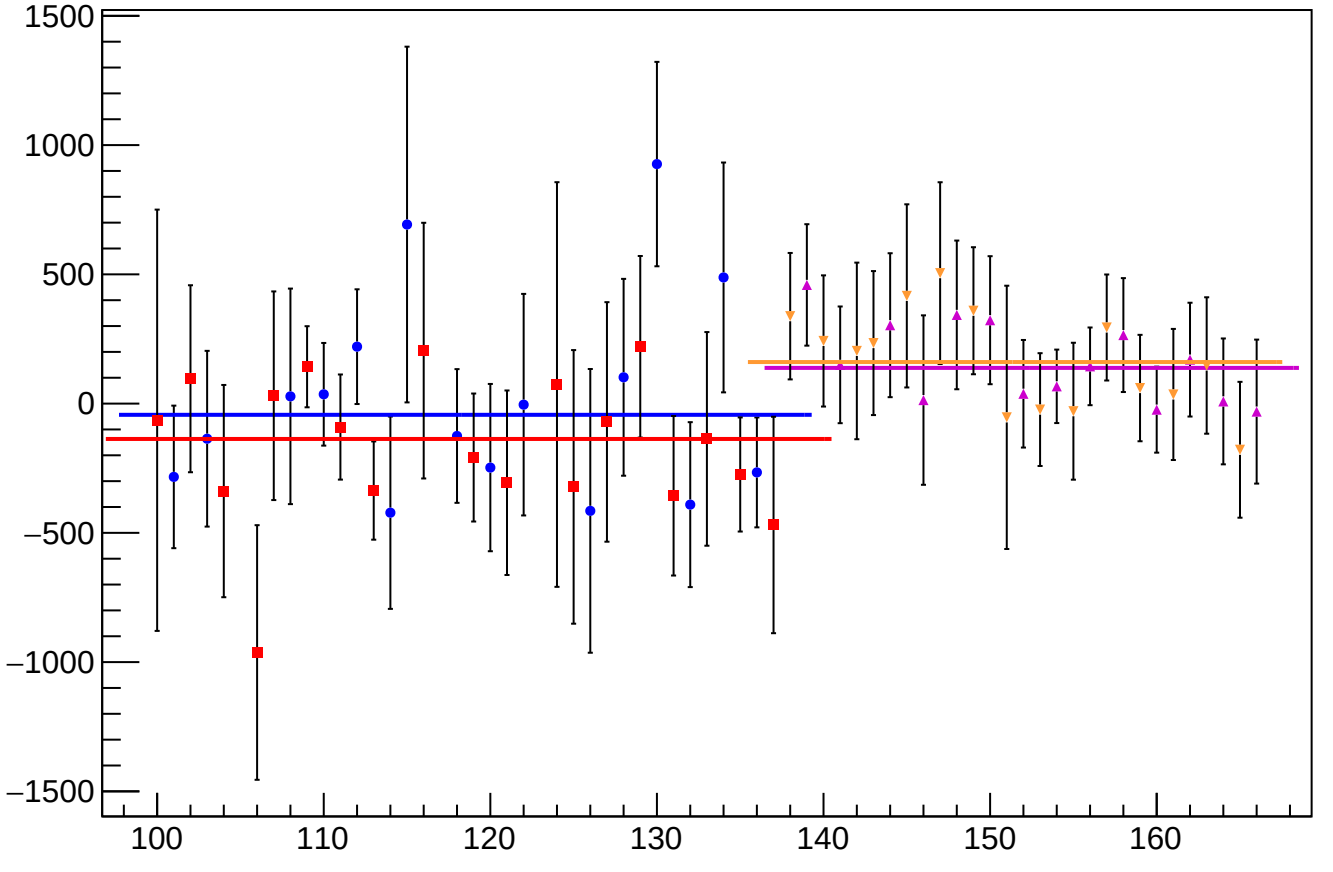
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.692+/-0.003 χ^2/NDF:104233.8/29

Out: 16.717+/-0.003 χ^2/NDF:120719.2/33

All: 16.705+/-0.002 χ^2/NDF: 224996.6/63

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 160.769+/-67.847 χ^2/NDF:6.8/14

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 138.116+/-56.576 χ^2/NDF:5.9/13

Left: 147.407+/-43.451 χ^2/NDF: 12.8/28

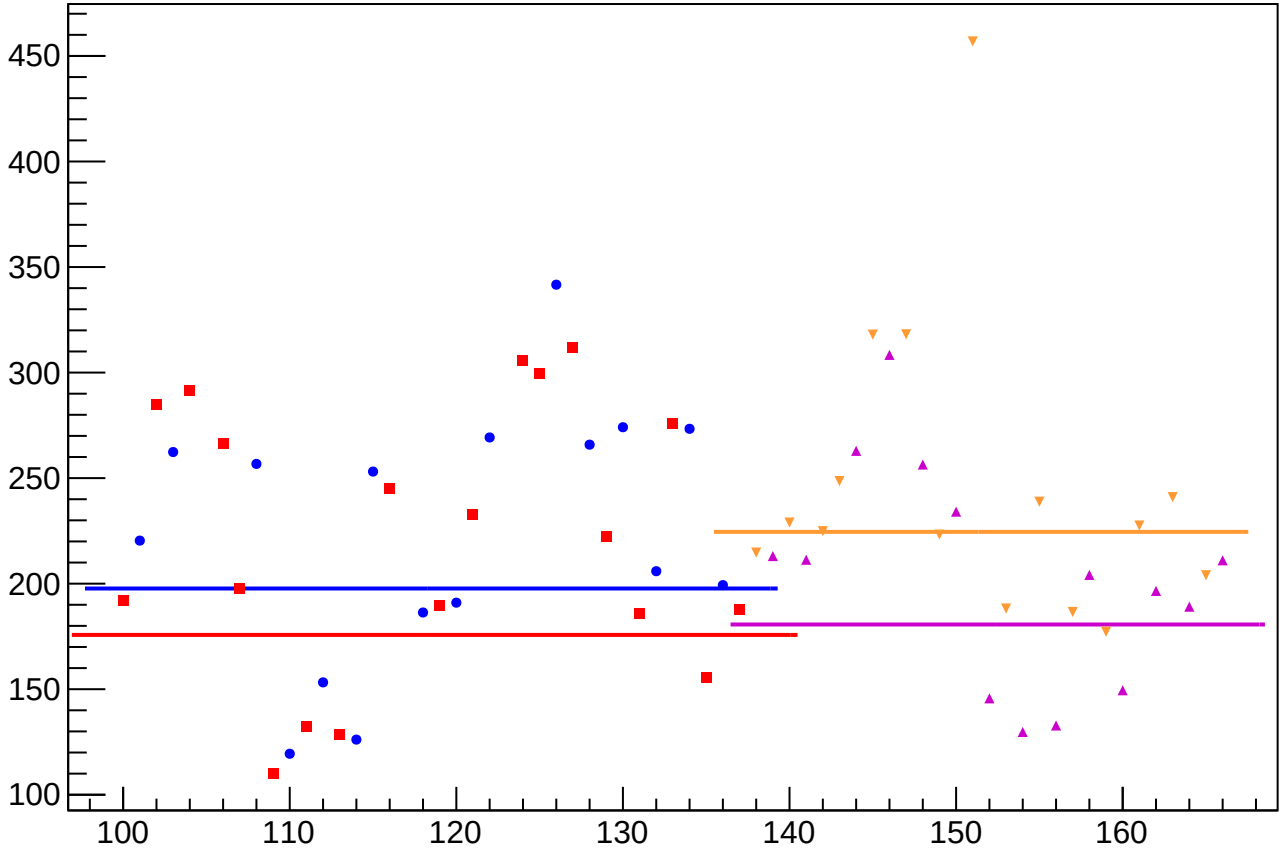
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 75.107+/-45.713 χ^2/NDF:24.9/29

Out: 15.696+/-48.568 χ^2/NDF:27.7/33

All: 47.199+/-33.288 χ^2/NDF: 53.4/63

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.537+/-0.048 χ^2/NDF:971696.0/14

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 180.661+/-0.040 χ^2/NDF:1431192.3/13

Left: 198.657+/-0.031 χ^2/NDF: 2896263.8/28

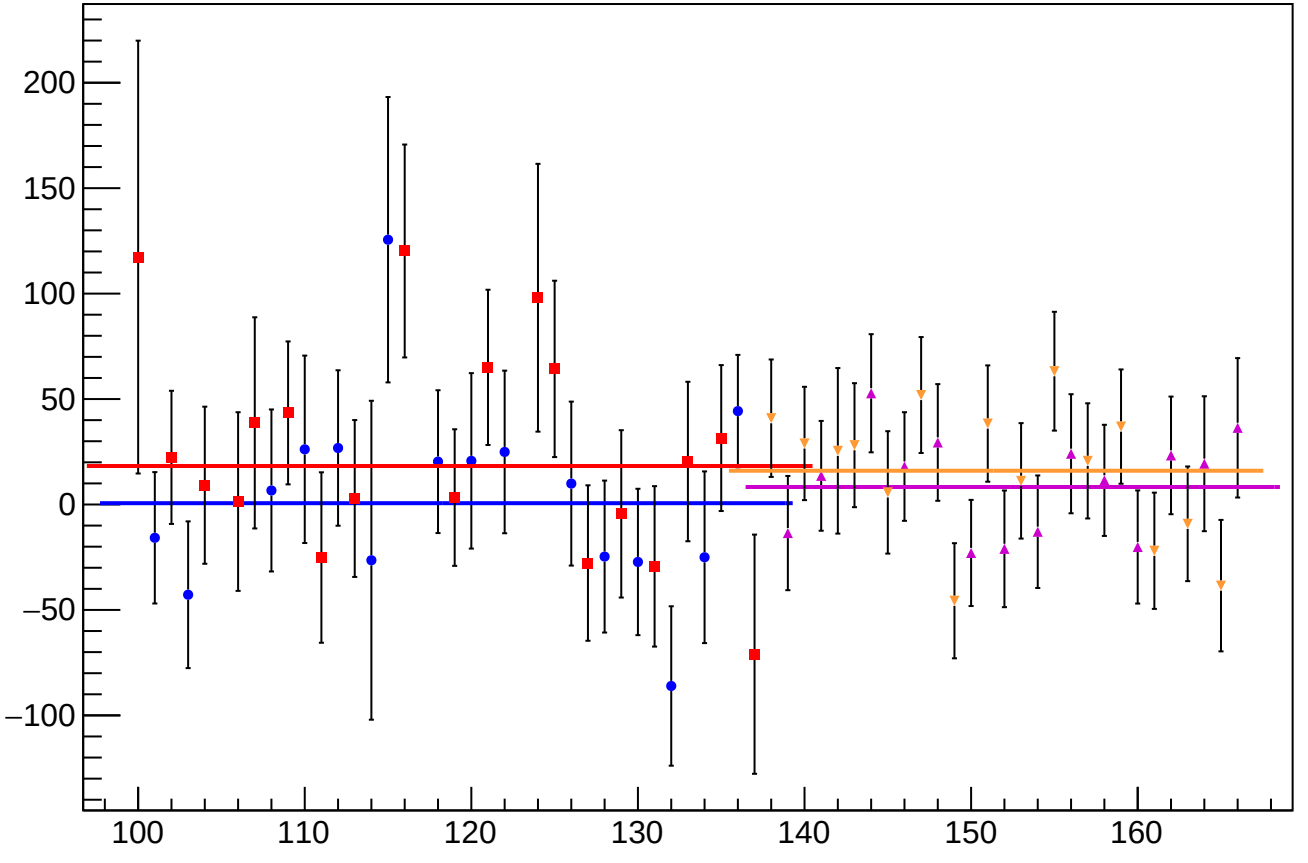
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.579+/-0.032 χ^2/NDF:2494550.5/29

Out: 200.734+/-0.034 χ^2/NDF:3067175.9/33

All: 193.228+/-0.024 χ^2/NDF: 5651811.0/63

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 16.007+/-7.323 χ^2/NDF:18.1/14

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 8.293+/-7.356 χ^2/NDF:9.8/13

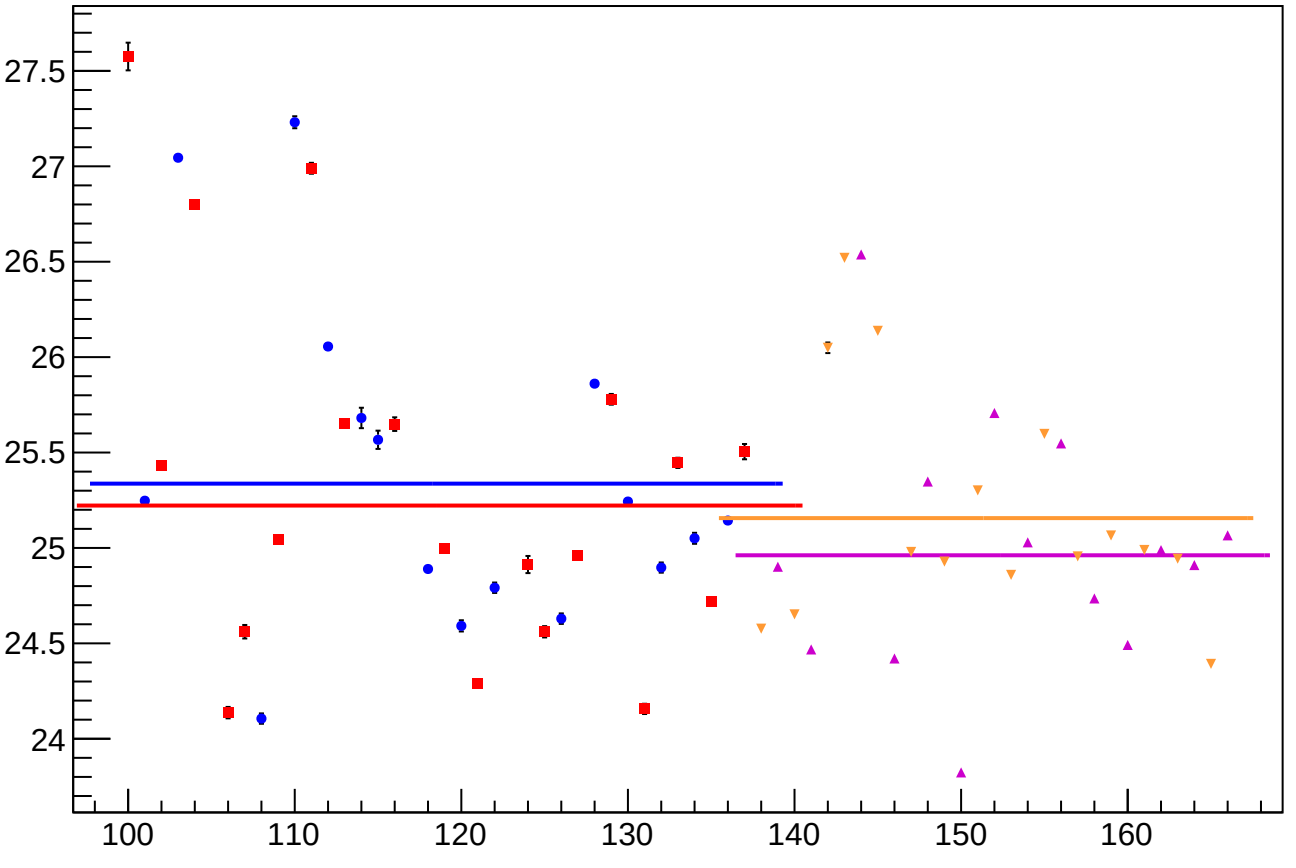
Left: 12.167+/-5.190 χ^2/NDF: 28.5/28

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 5.386+/-5.798 χ^2/NDF:27.0/29

Out: 16.875+/-5.732 χ^2/NDF:36.1/33

All: 11.197+/-4.076 χ^2/NDF: 65.1/63



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.156+/-0.005 χ^2/NDF:11731.0/14

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.962+/-0.005 χ^2/NDF:15543.6/13

Left: 25.059+/-0.004 χ^2/NDF: 27978.8/28

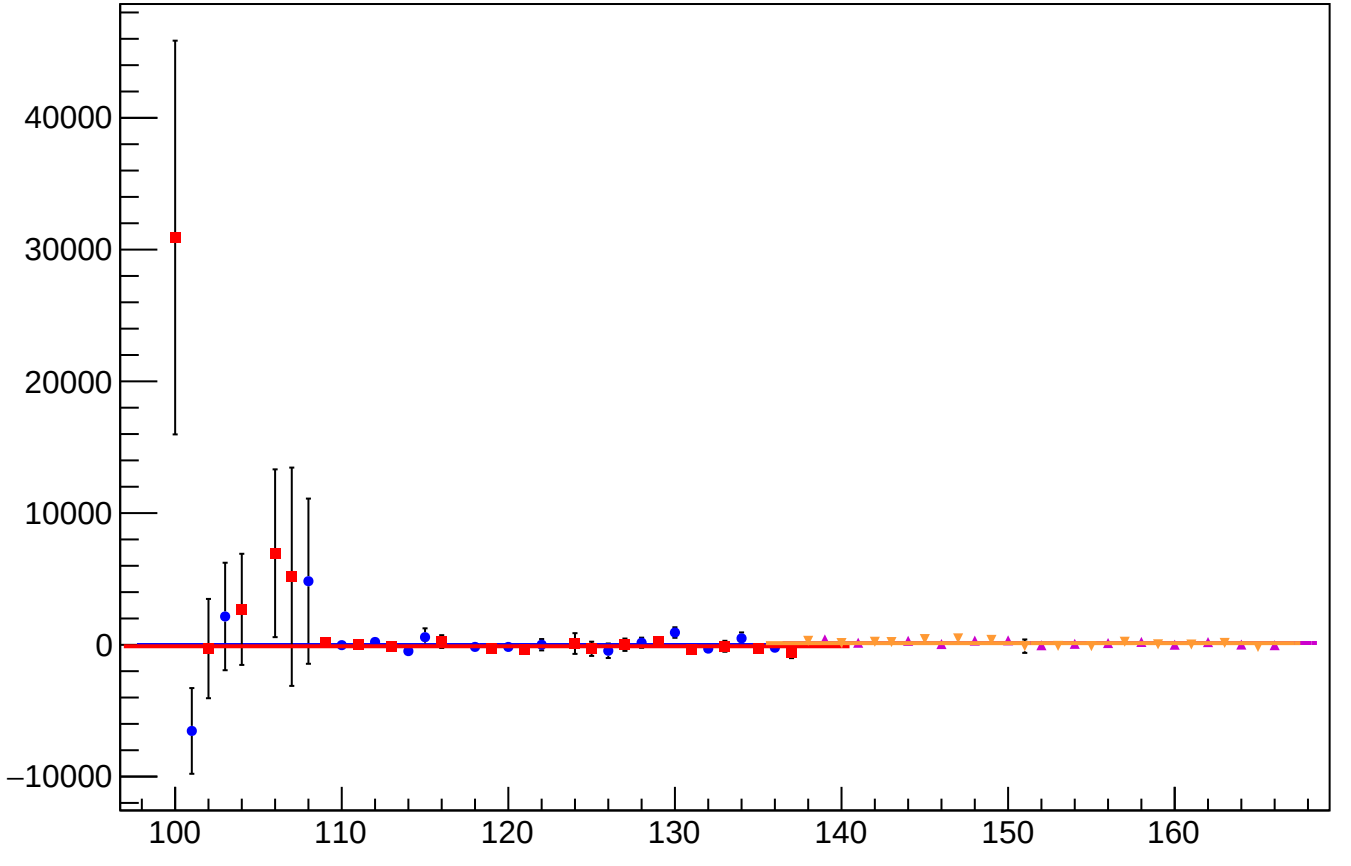
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.104+/-0.004 χ^2/NDF:31831.9/29

Out: 25.182+/-0.004 χ^2/NDF:27018.1/33

All: 25.143+/-0.003 χ^2/NDF: 59033.4/63

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 128.440+/-68.723 χ^2/NDF:7.0/14

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 139.569+/-57.427 χ^2/NDF:5.0/13

Left: 134.993+/-44.067 χ^2/NDF: 12.0/28

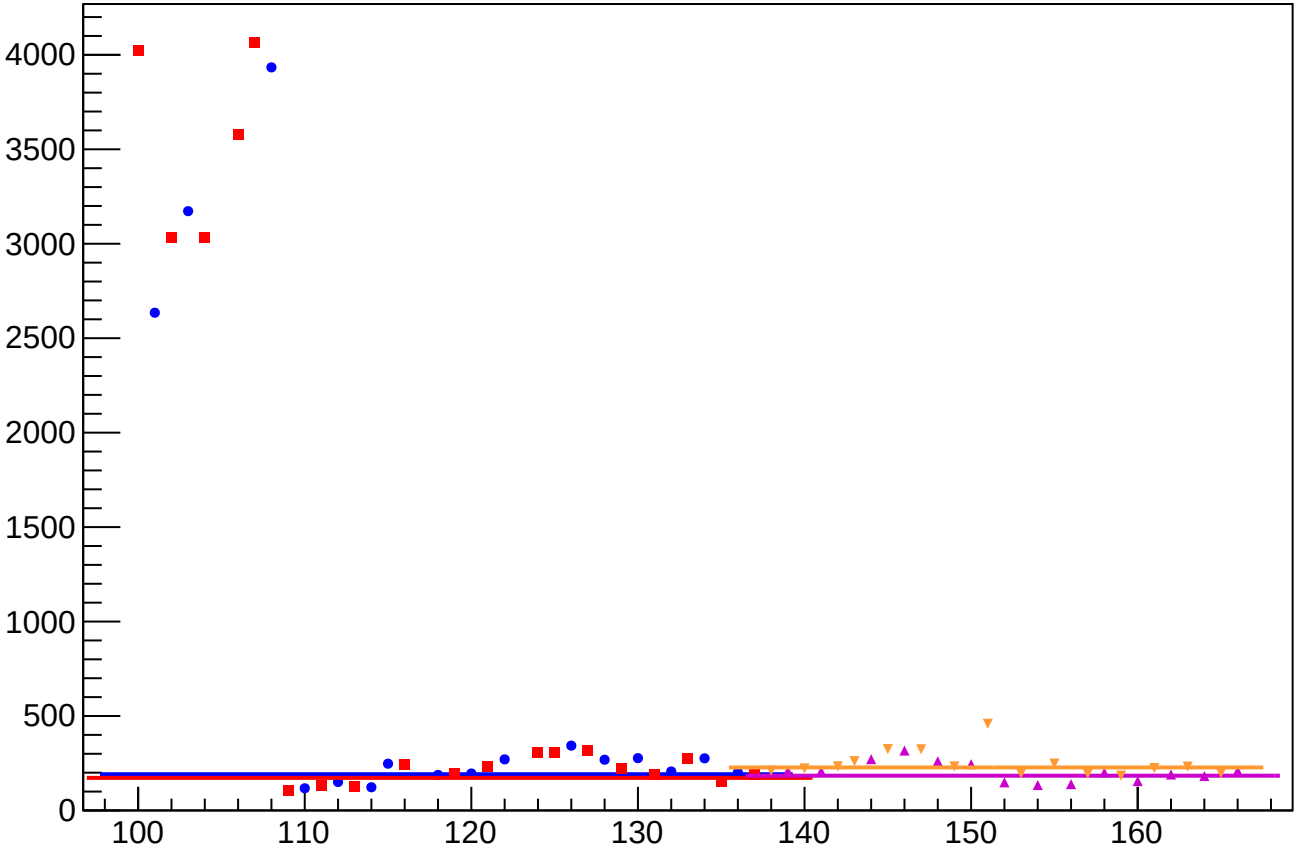
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 90.751+/-47.532 χ^2/NDF:25.6/29

Out: 24.897+/-51.593 χ^2/NDF:26.3/33

All: 60.517+/-34.958 χ^2/NDF: 52.8/63

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 227.681+/-0.049 χ^2/NDF:950598.3/14

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 183.952+/-0.041 χ^2/NDF:1315927.8/13

Left: 201.932+/-0.031 χ^2/NDF: 2743355.4/28

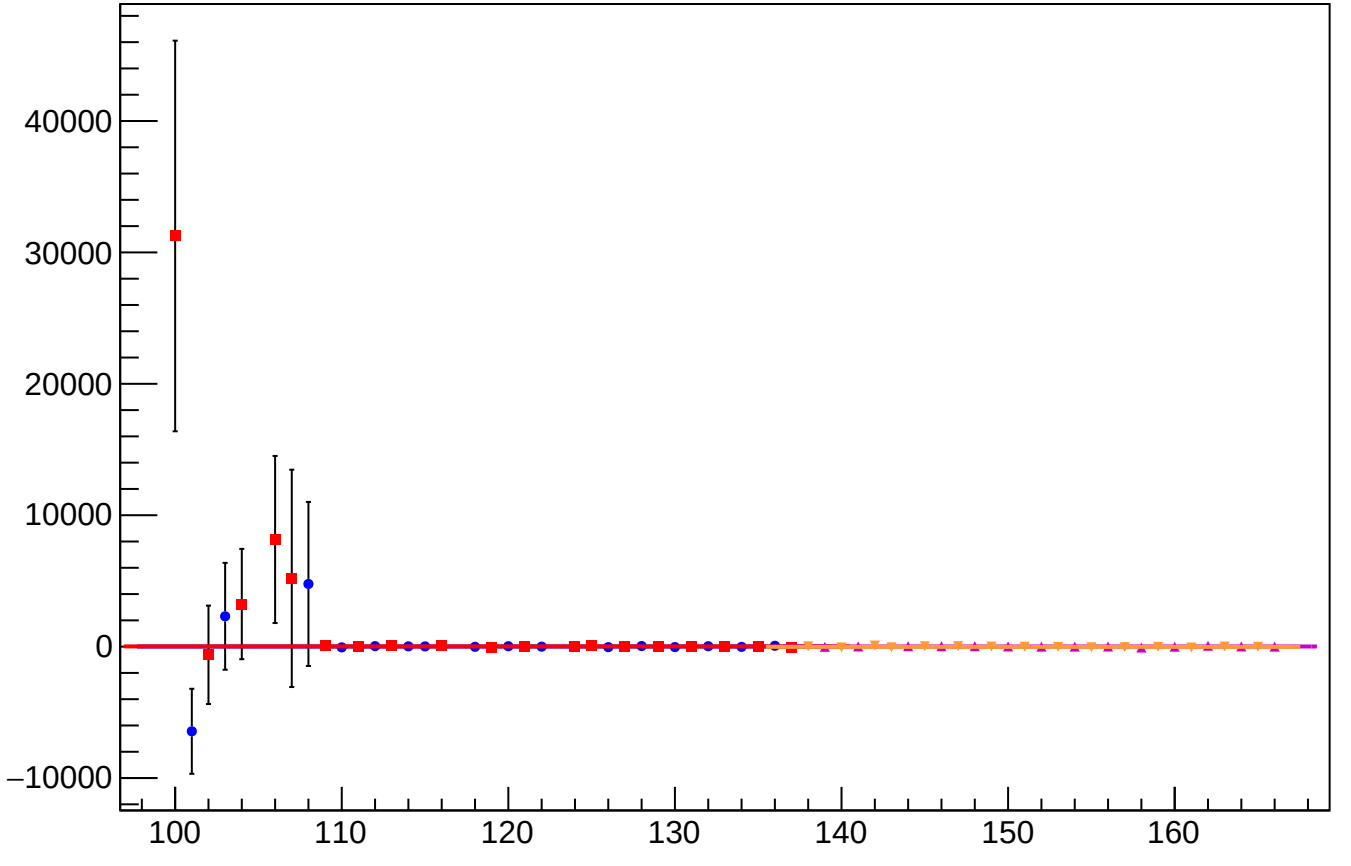
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.403+/-0.034 χ^2/NDF:5149303.3/29

Out: 203.584+/-0.036 χ^2/NDF:5817219.0/33

All: 194.291+/-0.025 χ^2/NDF: 11086482.7/63

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.705+/-8.474 χ^2/NDF:17.6/14

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 11.722+/-8.524 χ^2/NDF:14.0/13

Left: -2.072+/-6.010 χ^2/NDF: 36.7/28

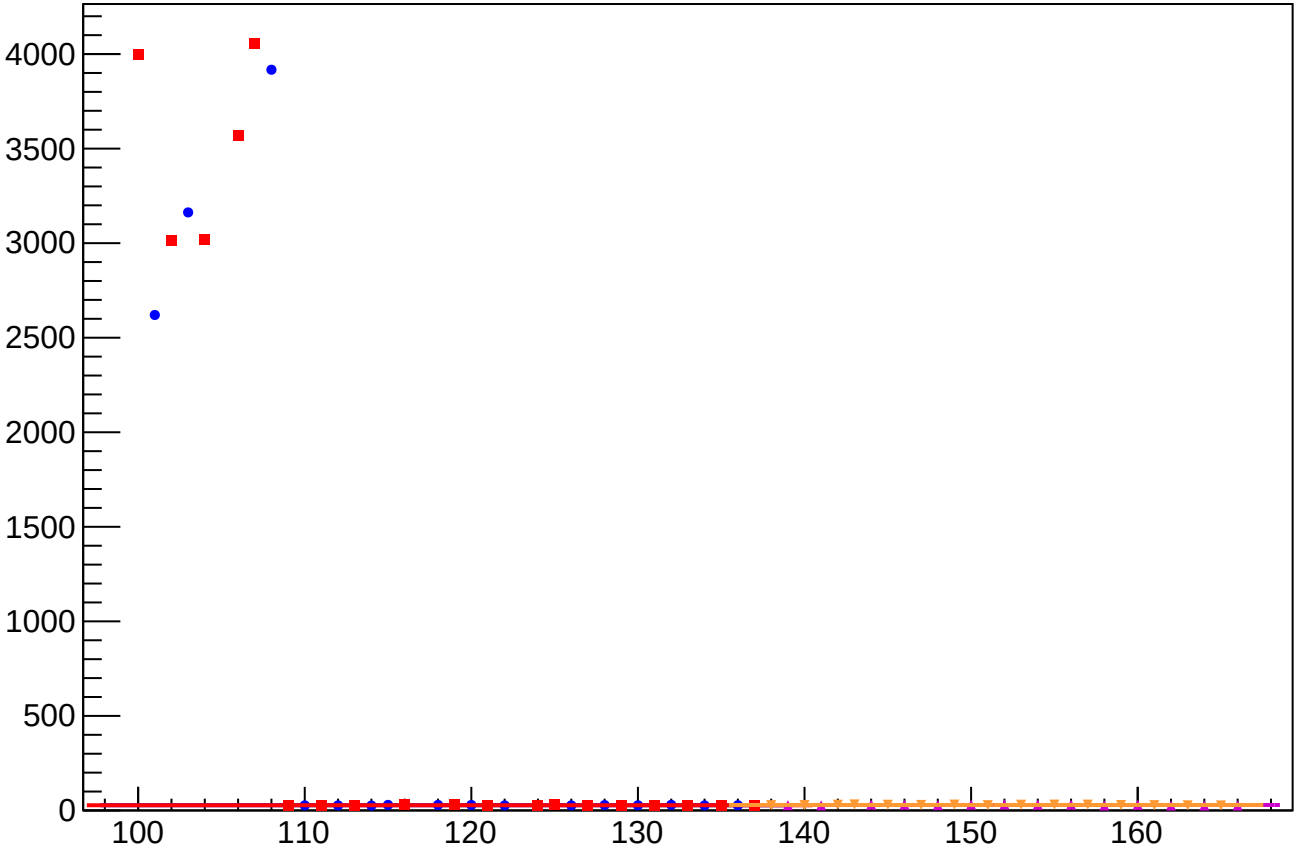
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 10.977+/-6.887 χ^2/NDF:30.0/29

Out: -4.207+/-6.884 χ^2/NDF:47.8/33

All: 3.382+/-4.869 χ^2/NDF: 80.2/63

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.046+/-0.006 χ^2/NDF:63136.4/14

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.838+/-0.006 χ^2/NDF:107298.2/13

Left: 28.943+/-0.004 χ^2/NDF: 171033.8/28

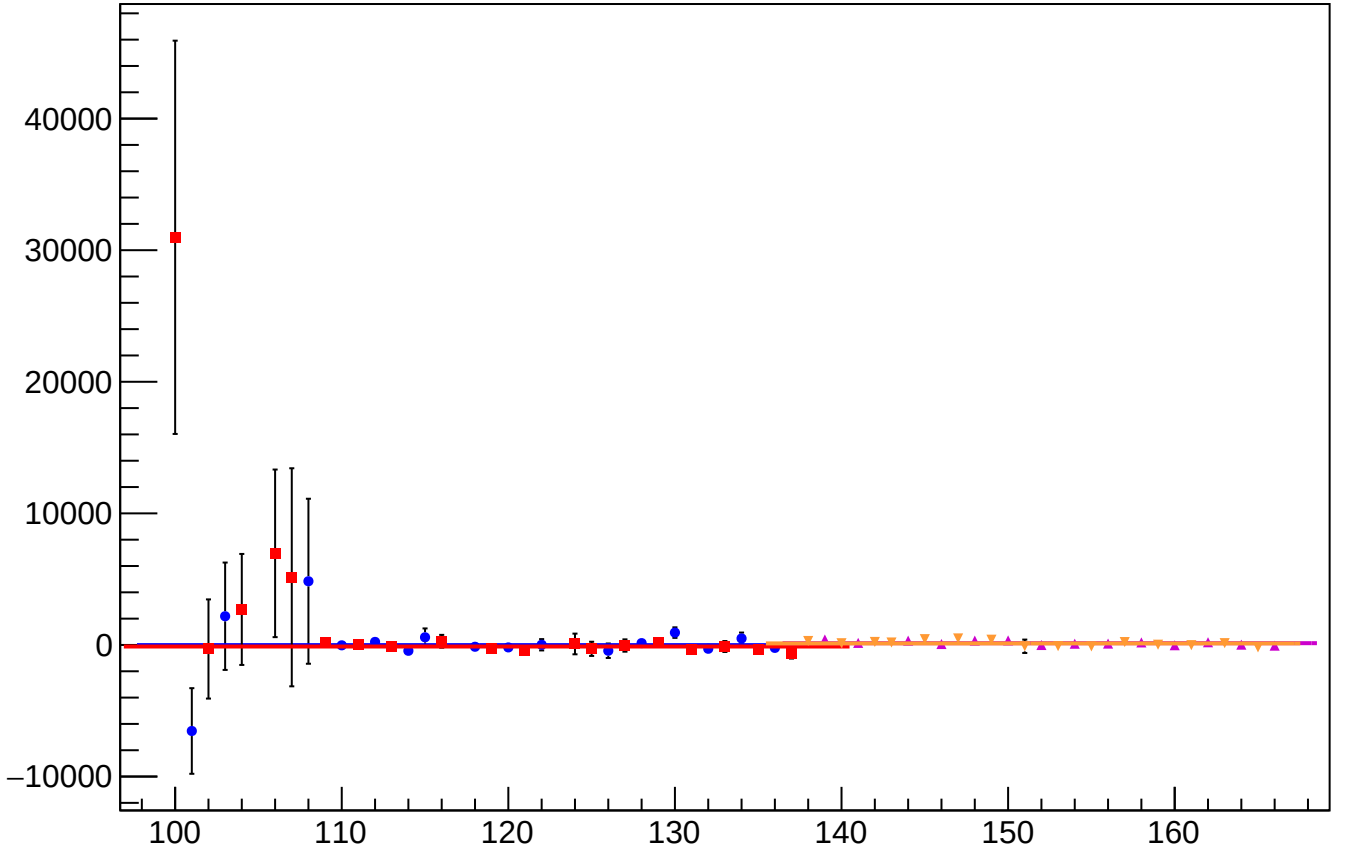
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.423+/-0.005 χ^2/NDF:3386483.9/29

Out: 28.532+/-0.005 χ^2/NDF:3640004.8/33

All: 28.477+/-0.003 χ^2/NDF: 7026742.1/63

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 118.199+/-68.577 χ^2/NDF:7.8/14

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 135.413+/-57.317 χ^2/NDF:5.3/13

Left: 128.333+/-43.979 χ^2/NDF: 13.2/28

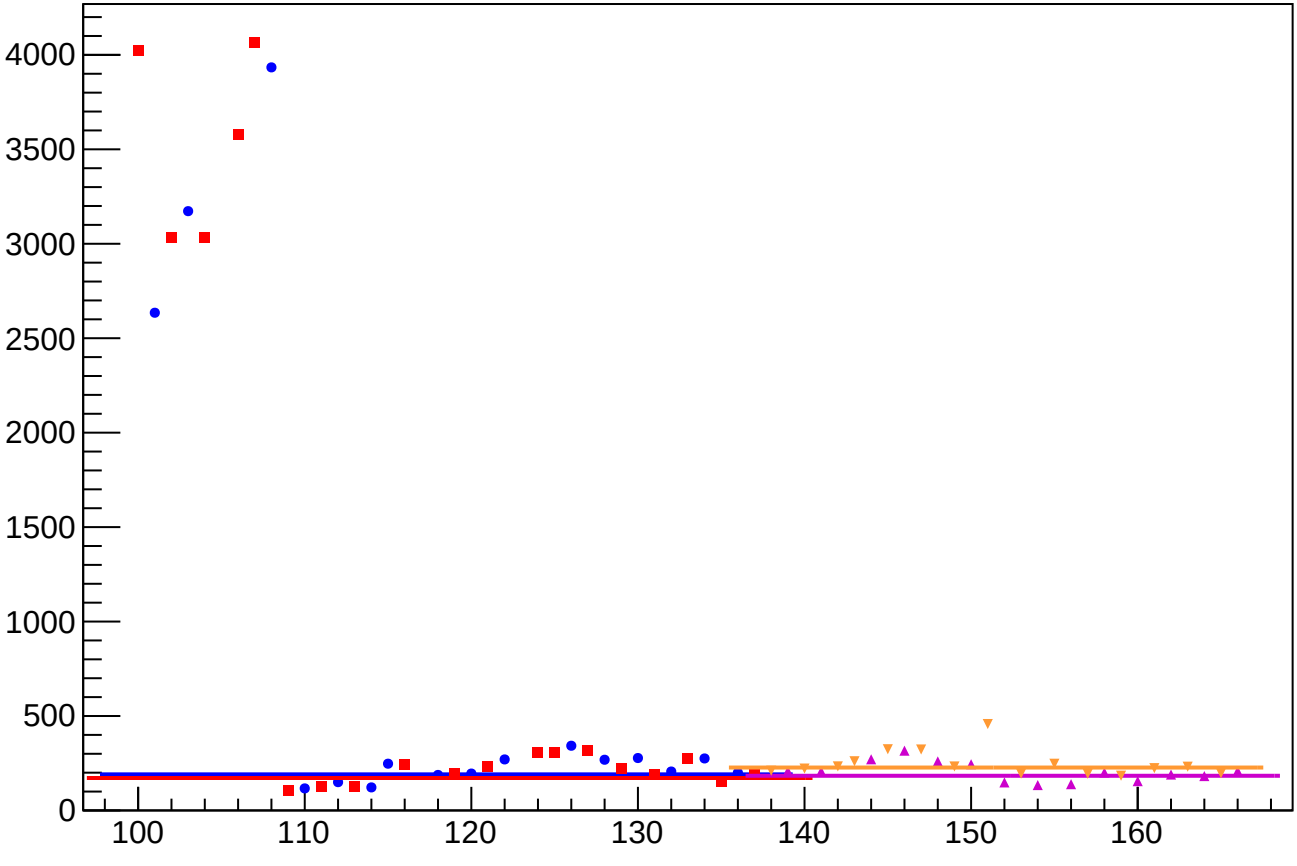
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 88.560+/-47.426 χ^2/NDF:25.8/29

Out: 14.988+/-51.463 χ^2/NDF:27.4/33

All: 54.772+/-34.875 χ^2/NDF: 54.3/63

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.203+/-0.048 χ^2/NDF:950283.3/14

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 183.605+/-0.041 χ^2/NDF:1315552.4/13

Left: 201.536+/-0.031 χ^2/NDF: 2741746.6/28

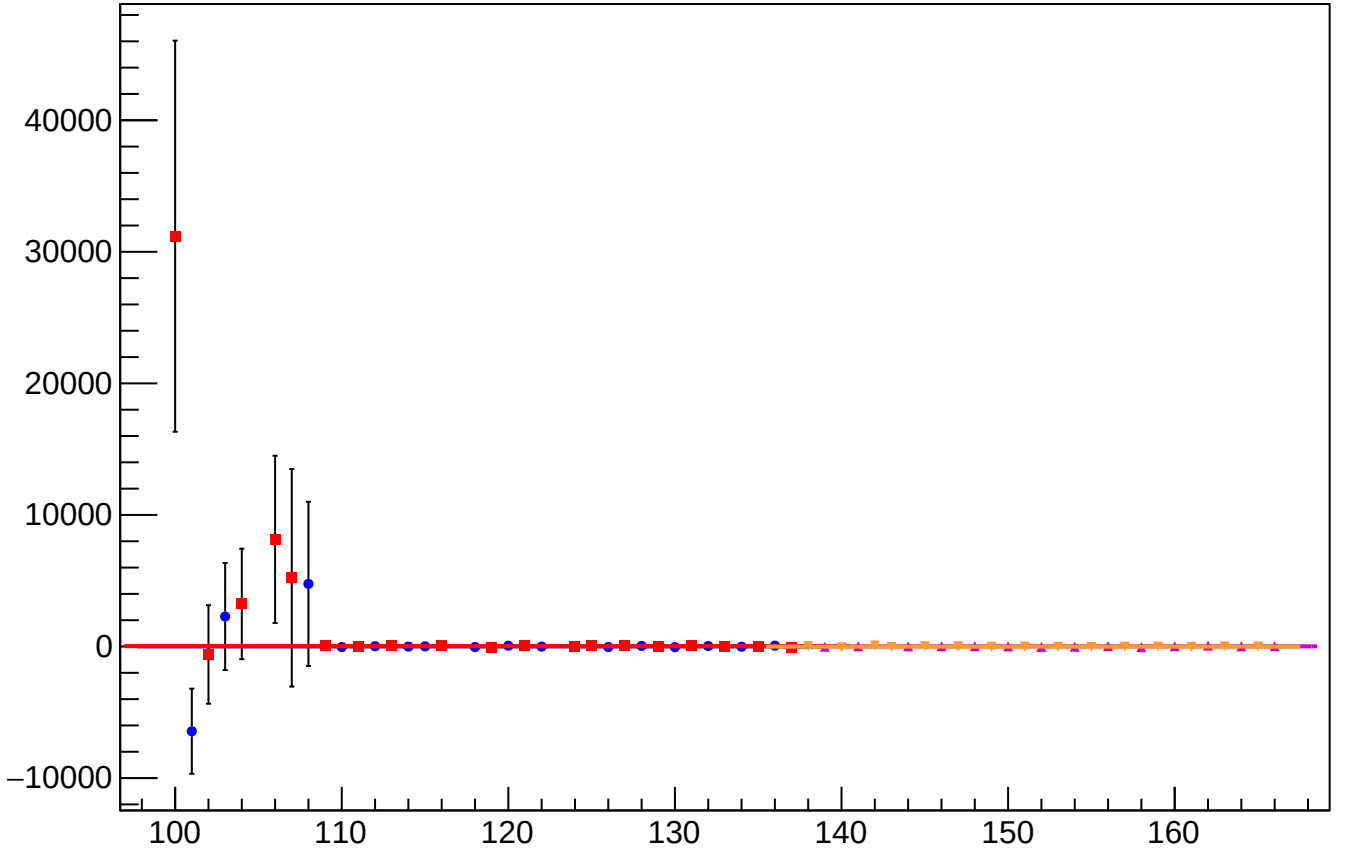
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.959+/-0.034 χ^2/NDF:5160202.6/29

Out: 203.016+/-0.036 χ^2/NDF:5834542.2/33

All: 193.792+/-0.025 χ^2/NDF: 11113548.8/63

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.685+/-8.546 χ^2/NDF:11.2/14

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 13.379+/-8.581 χ^2/NDF:12.4/13

Left: 2.302+/-6.055 χ^2/NDF: 26.9/28

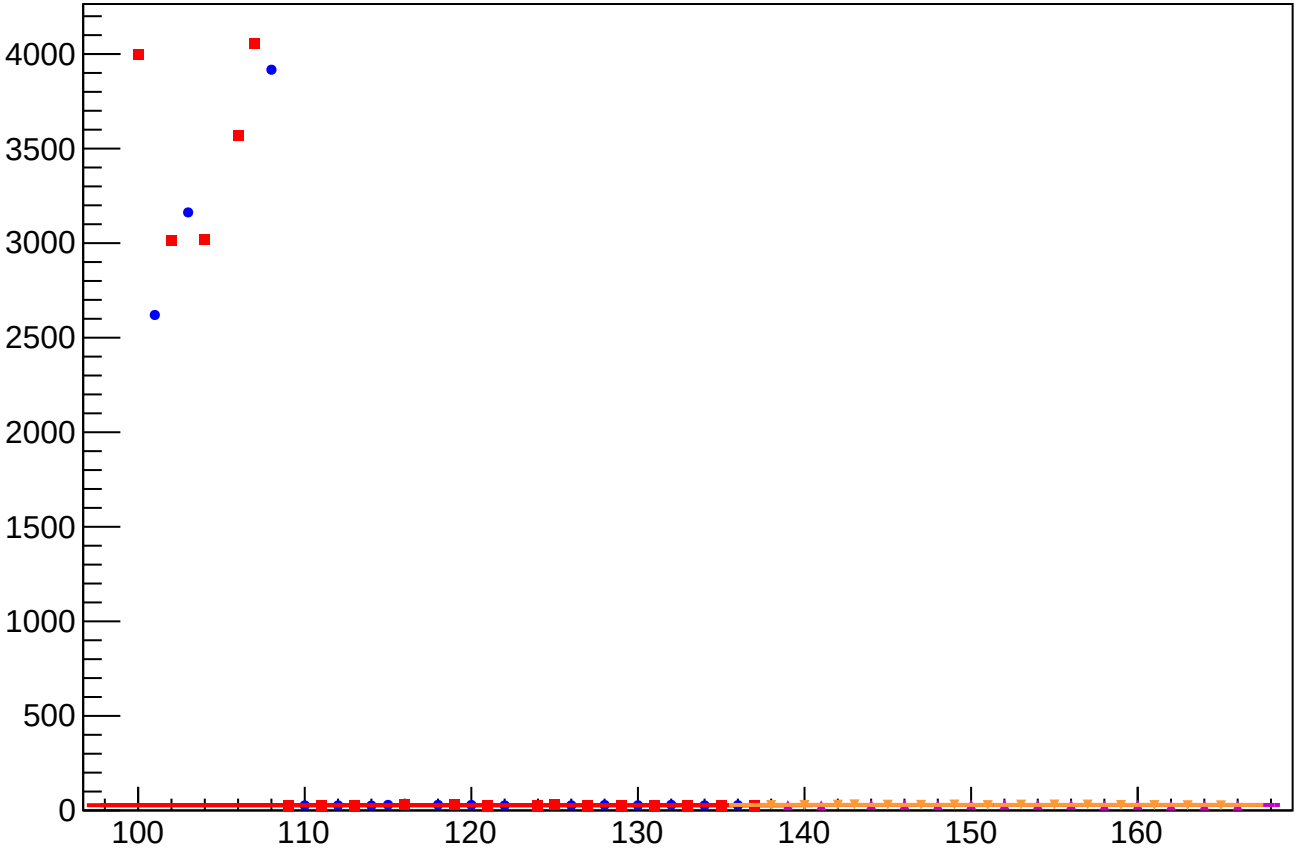
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.986+/-6.933 χ^2/NDF:30.9/29

Out: 4.803+/-6.942 χ^2/NDF:38.4/33

All: 7.899+/-4.905 χ^2/NDF: 69.7/63

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.289+/-0.006 χ^2/NDF:64346.8/14

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.032+/-0.006 χ^2/NDF:107641.5/13

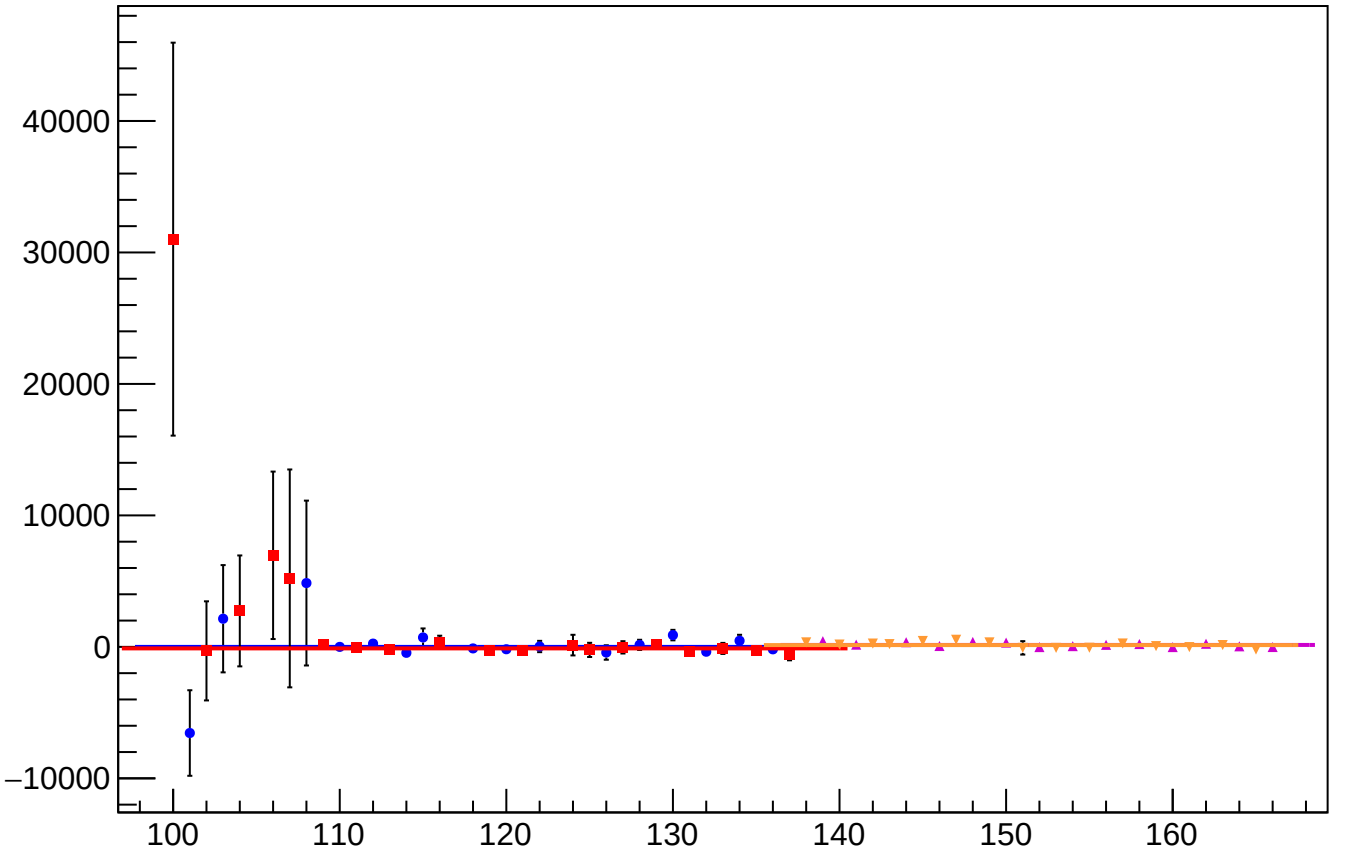
Left: 29.161+/-0.004 χ^2/NDF: 172888.3/28

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.613+/-0.005 χ^2/NDF:3387284.9/29

Out: 28.767+/-0.005 χ^2/NDF:3644987.9/33

All: 28.690+/-0.003 χ^2/NDF: 7032764.2/63



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 136.225+/-69.253 χ^2/NDF:7.7/14

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 146.146+/-58.018 χ^2/NDF:5.8/13

Left: 142.055+/-44.473 χ^2/NDF: 13.5/28

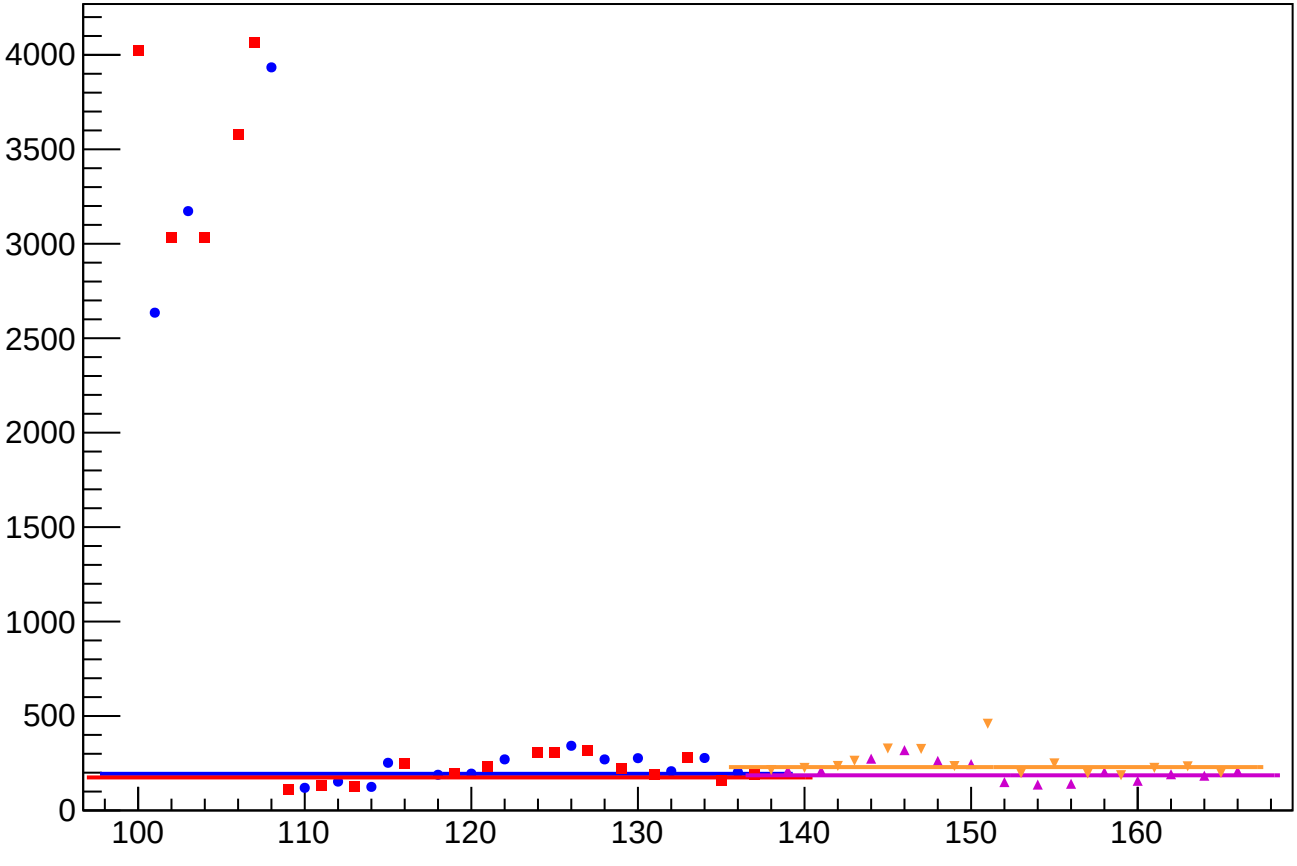
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 99.193+/-48.010 χ^2/NDF:26.1/29

Out: 26.656+/-52.063 χ^2/NDF:27.3/33

All: 65.858+/-35.294 χ^2/NDF: 54.4/63

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 229.550+/-0.049 χ^2/NDF:941458.3/14

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.042+/-0.041 χ^2/NDF:1288103.4/13

Left: 203.985+/-0.031 χ^2/NDF: 2693416.3/28

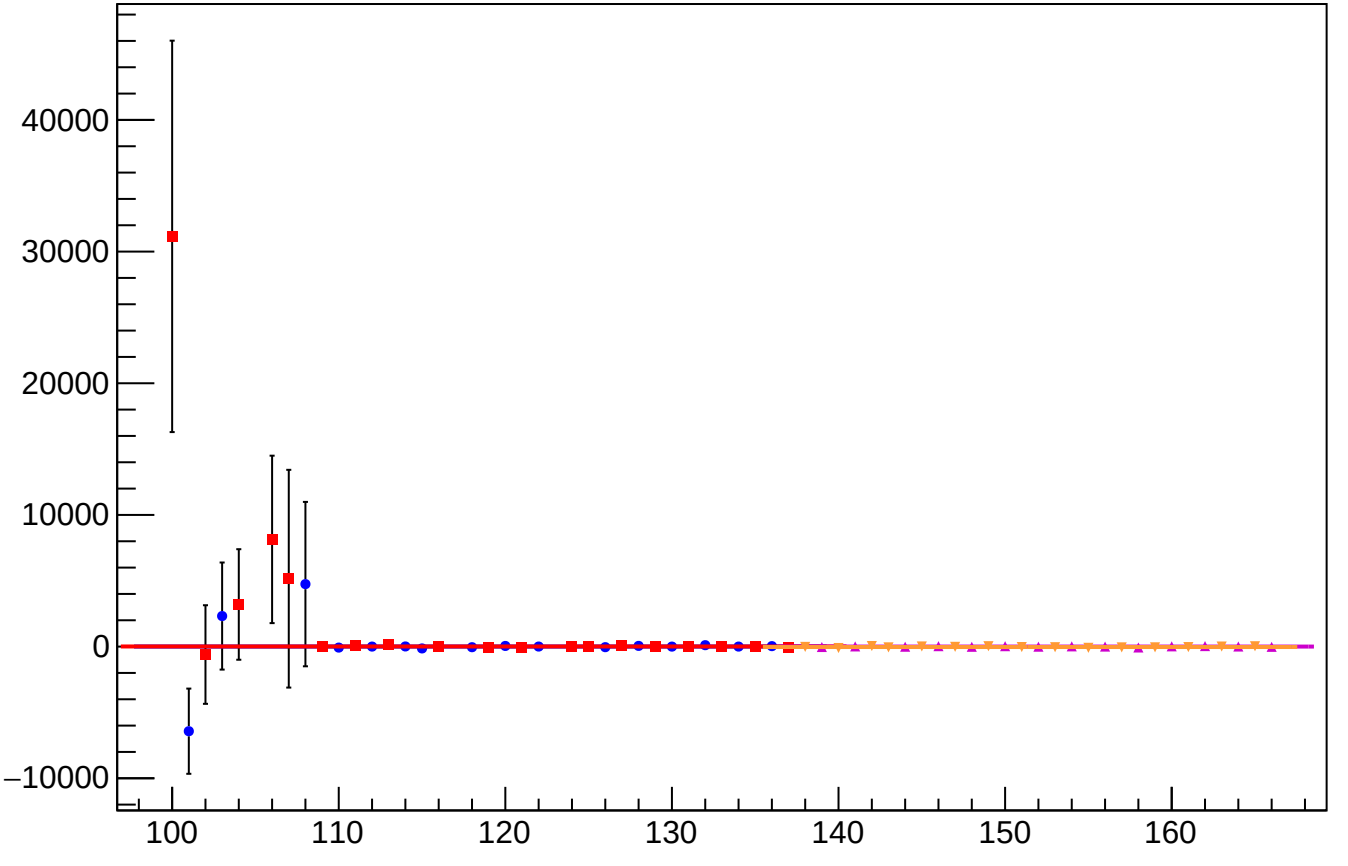
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.533+/-0.034 χ^2/NDF:5084274.7/29

Out: 205.734+/-0.037 χ^2/NDF:5744749.0/33

All: 196.438+/-0.025 χ^2/NDF: 10947001.1/63

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -31.582+/-10.085 χ^2/NDF:16.4/14

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 2.101+/-10.168 χ^2/NDF:8.0/13

Left: -14.878+/-7.161 χ^2/NDF: 29.9/28

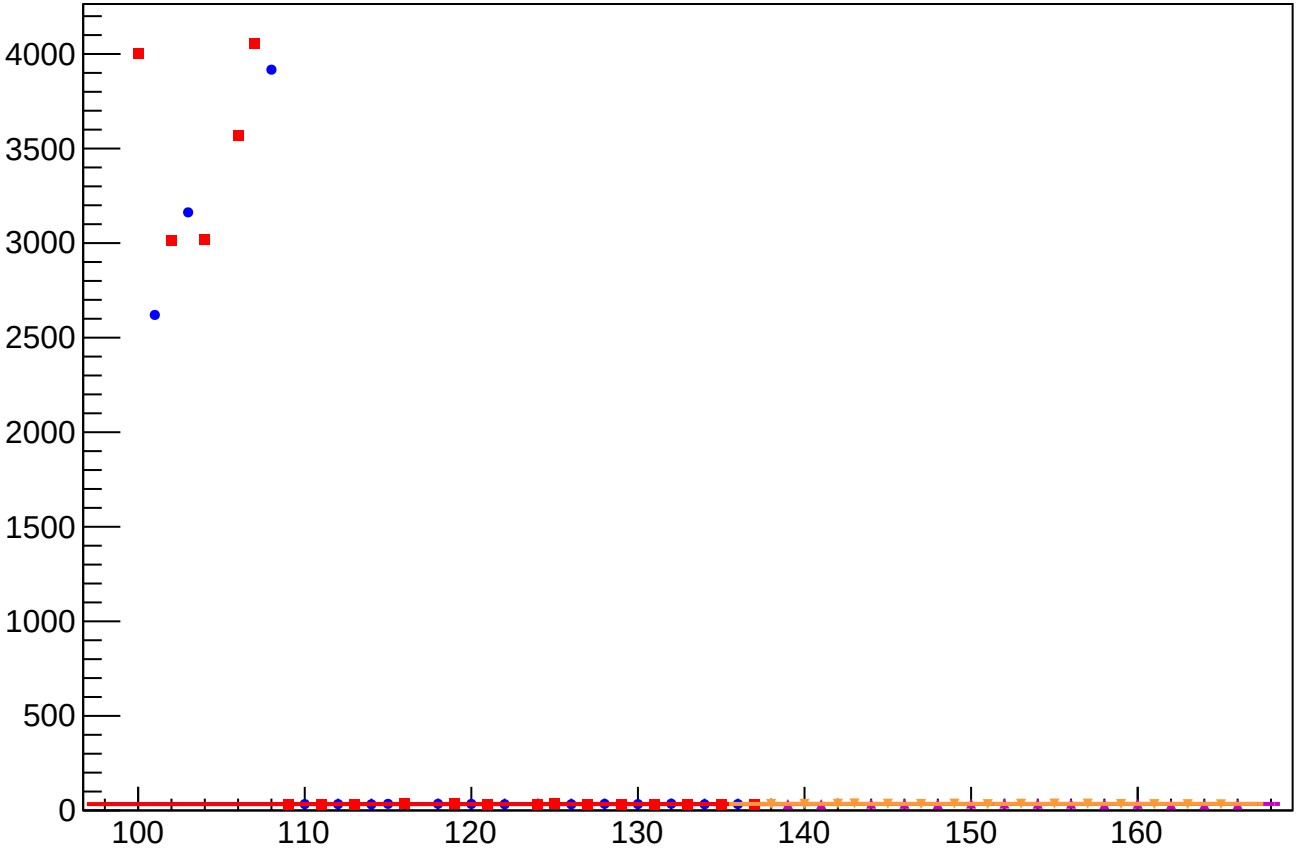
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 3.296+/-8.288 χ^2/NDF:25.5/29

Out: -17.938+/-8.267 χ^2/NDF:45.4/33

All: -7.348+/-5.853 χ^2/NDF: 74.2/63

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.620+/-0.007 χ^2/NDF:30685.2/14

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.475+/-0.007 χ^2/NDF:48820.0/13

Left: 34.548+/-0.005 χ^2/NDF: 79711.5/28

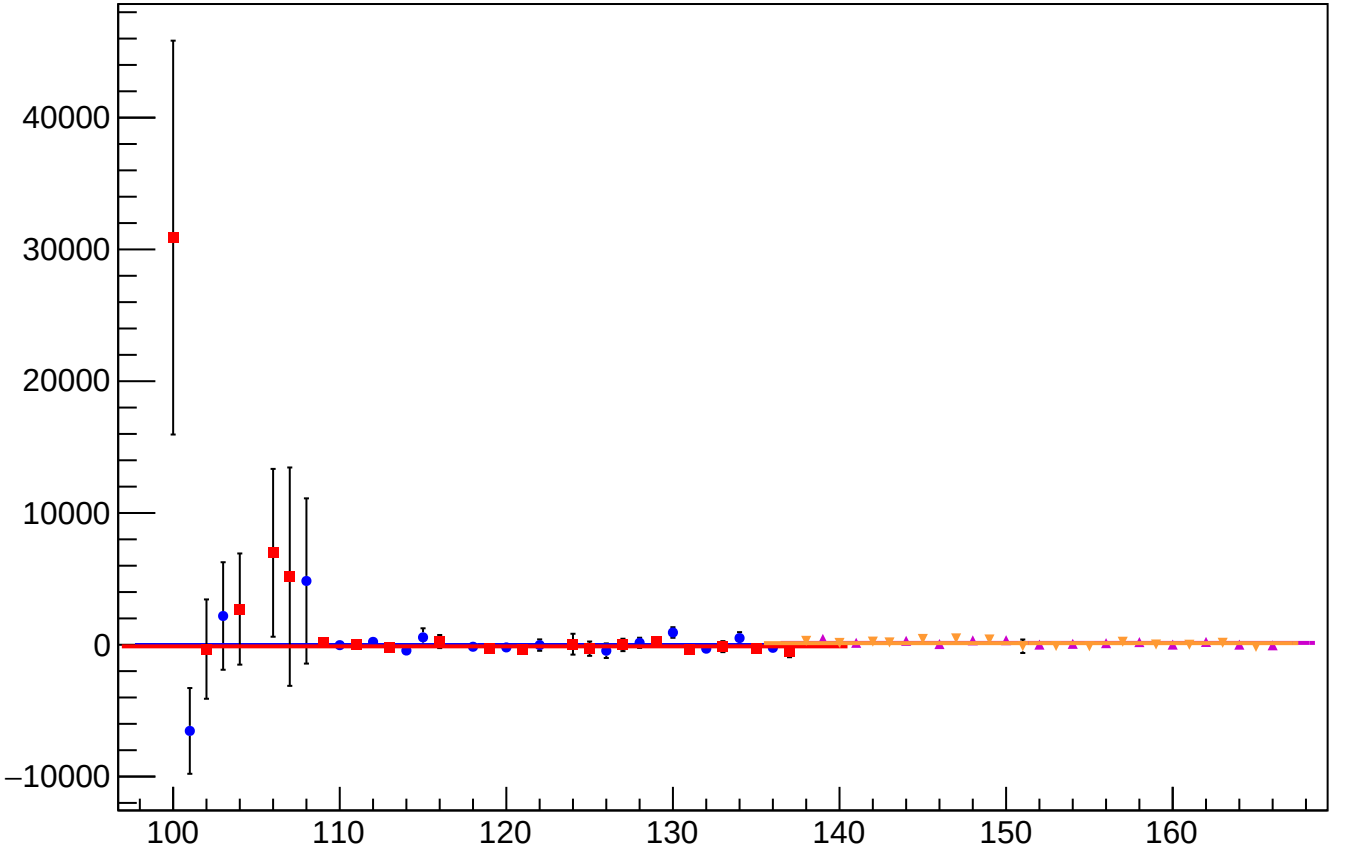
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.282+/-0.006 χ^2/NDF:3295352.2/29

Out: 34.327+/-0.006 χ^2/NDF:3562308.2/33

All: 34.304+/-0.004 χ^2/NDF: 6857690.2/63

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 123.170+/-69.090 χ^2/NDF:7.5/14

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 141.633+/-57.862 χ^2/NDF:5.2/13

Left: 134.022+/-44.360 χ^2/NDF: 12.7/28

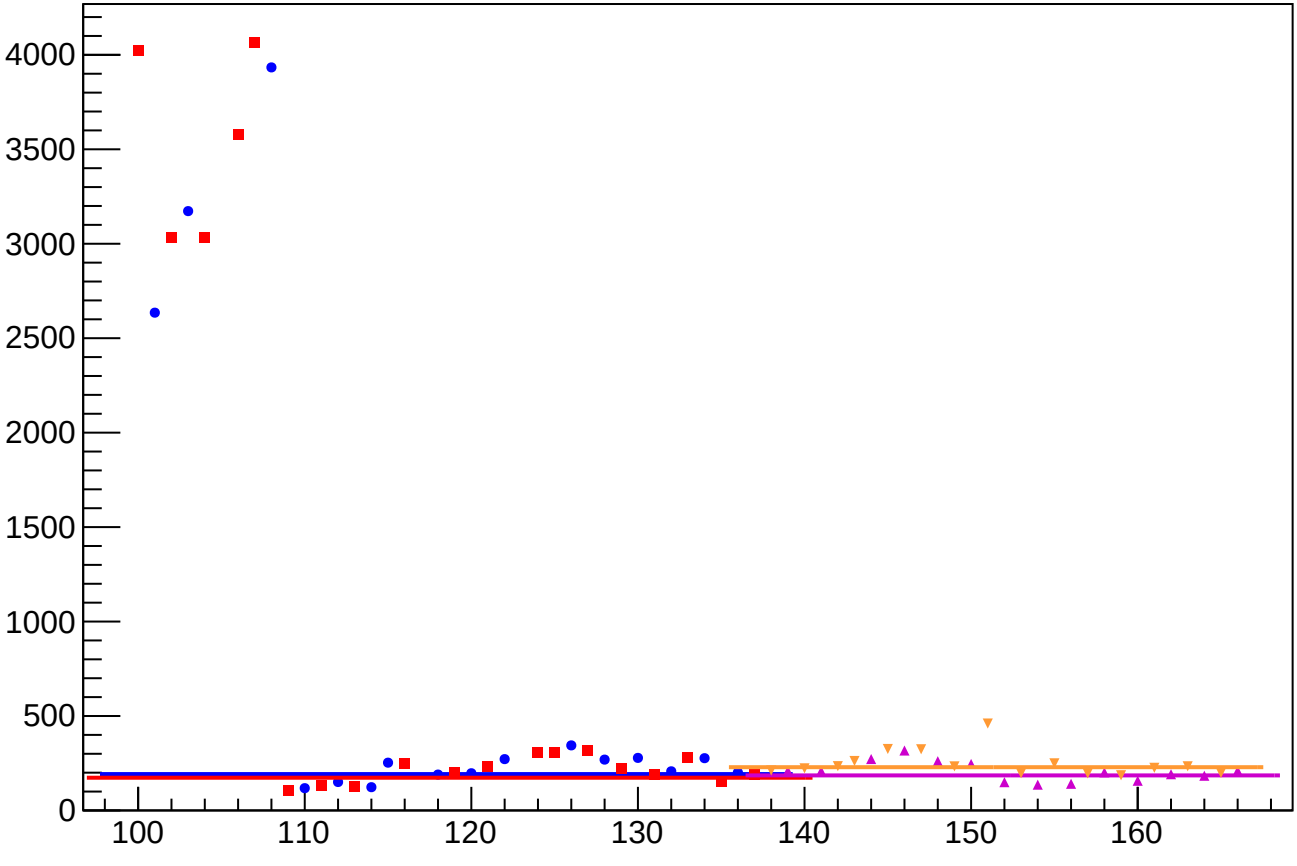
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.654+/-47.843 χ^2/NDF:25.8/29

Out: 16.992+/-51.850 χ^2/NDF:26.2/33

All: 56.780+/-35.161 χ^2/NDF: 53.1/63

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.014+/-0.049 χ^2/NDF:935425.0/14

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.552+/-0.041 χ^2/NDF:1275555.8/13

Left: 203.469+/-0.031 χ^2/NDF: 2676143.3/28

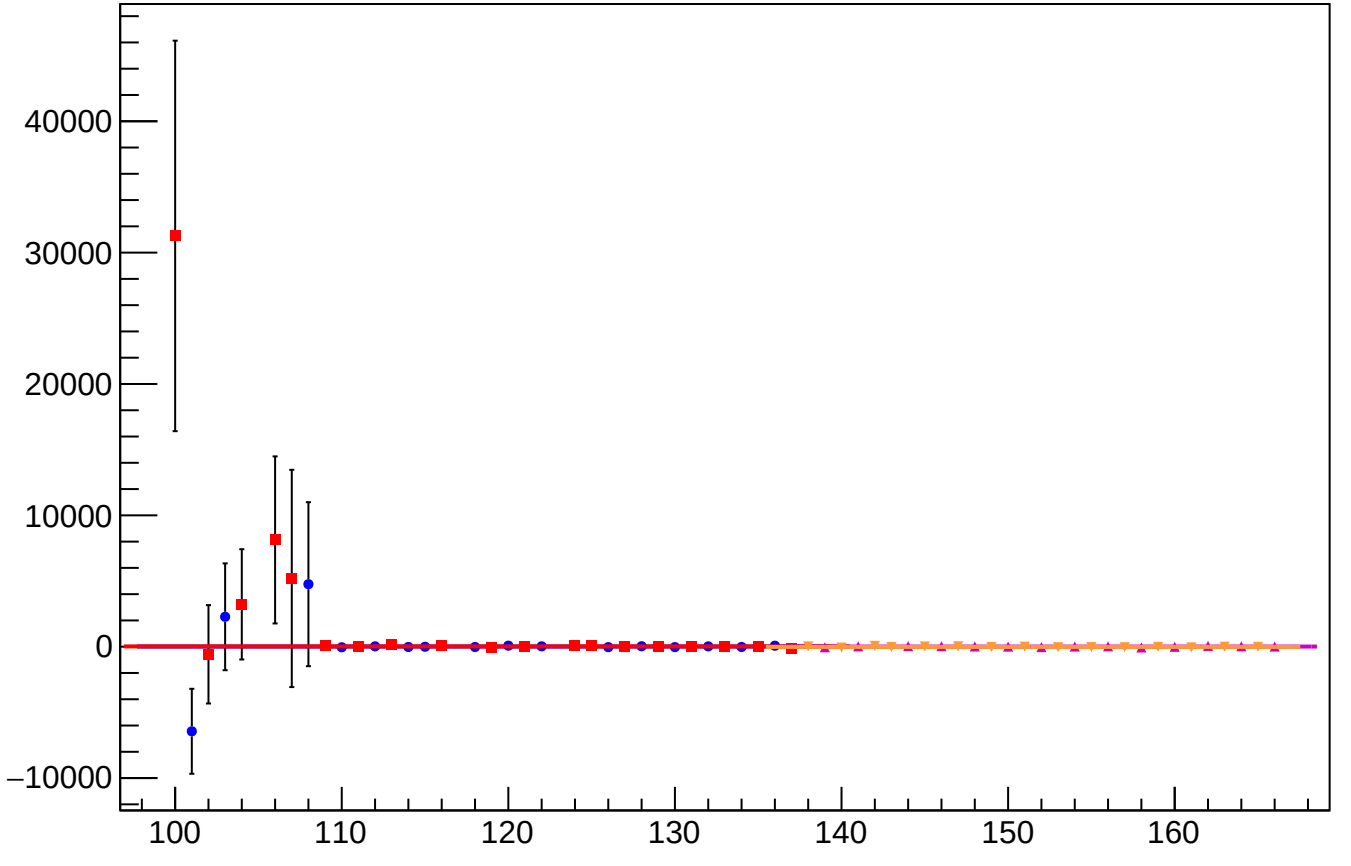
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.769+/-0.034 χ^2/NDF:5107625.2/29

Out: 204.657+/-0.037 χ^2/NDF:5811940.2/33

All: 195.535+/-0.025 χ^2/NDF: 11034159.6/63

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.759+/-9.143 χ^2/NDF:11.6/14

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 10.647+/-9.227 χ^2/NDF:14.0/13

Left: -2.677+/-6.494 χ^2/NDF: 29.7/28

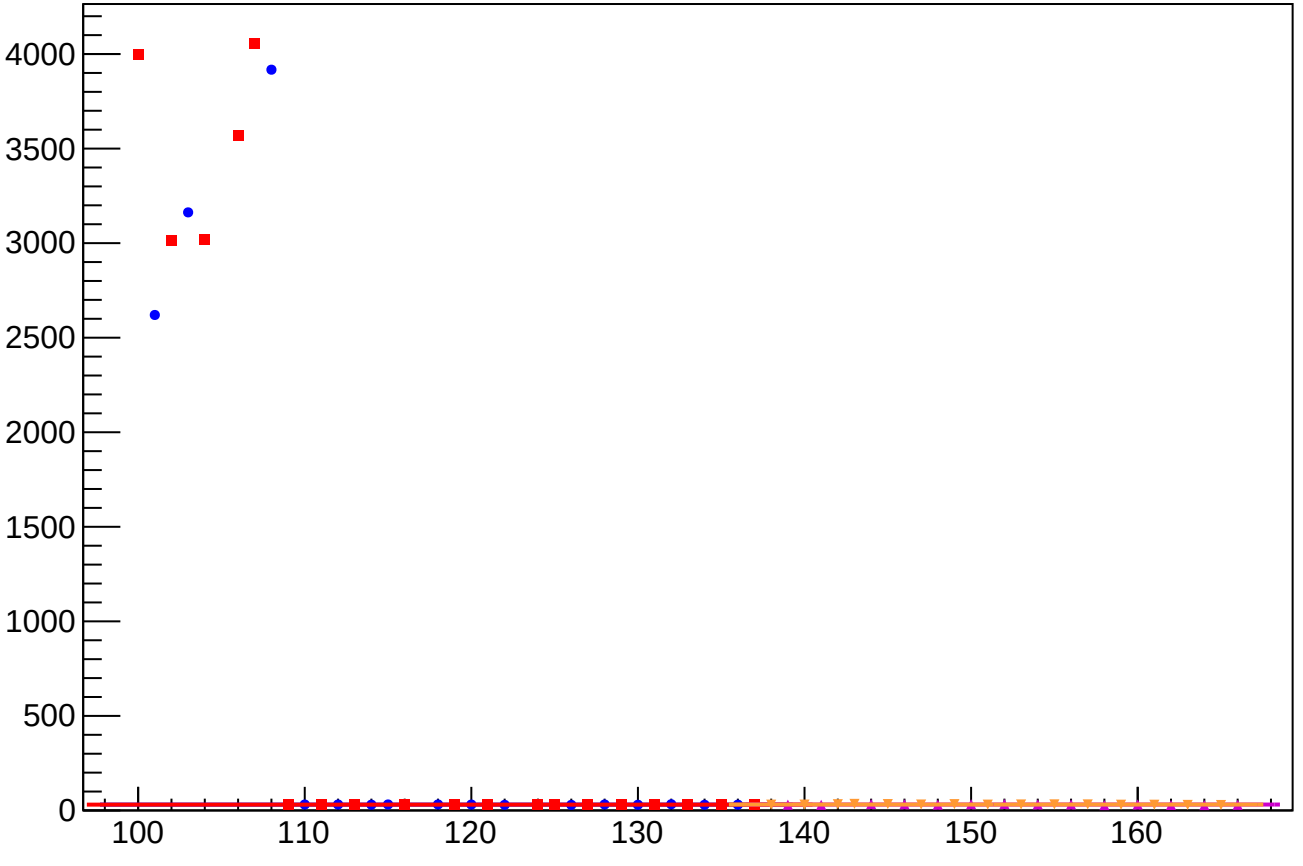
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 11.667+/-7.536 χ^2/NDF:29.5/29

Out: -3.094+/-7.512 χ^2/NDF:46.2/33

All: 4.263+/-5.320 χ^2/NDF: 77.6/63

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.349+/-0.006 χ^2/NDF:56847.3/14

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.239+/-0.007 χ^2/NDF:76642.5/13

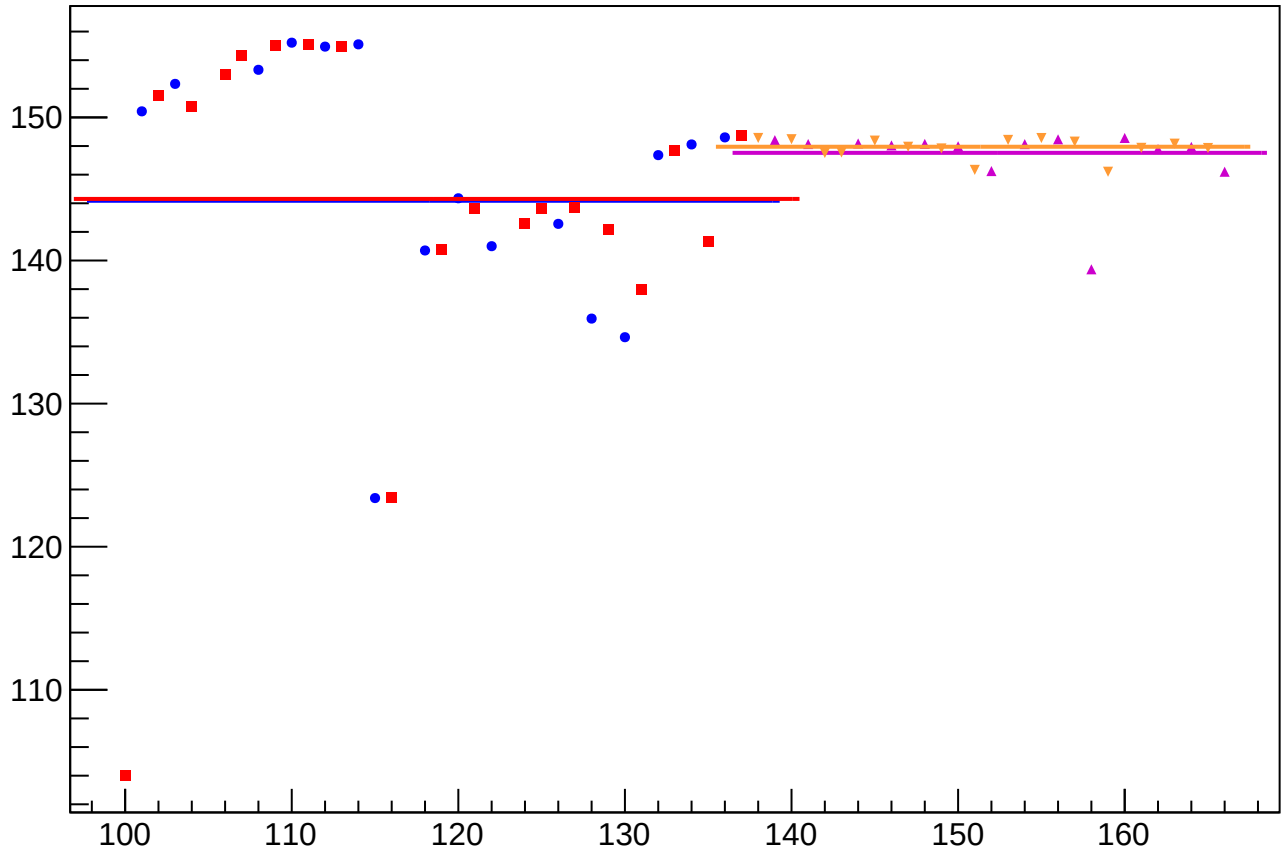
Left: 31.294+/-0.005 χ^2/NDF: 133634.4/28

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

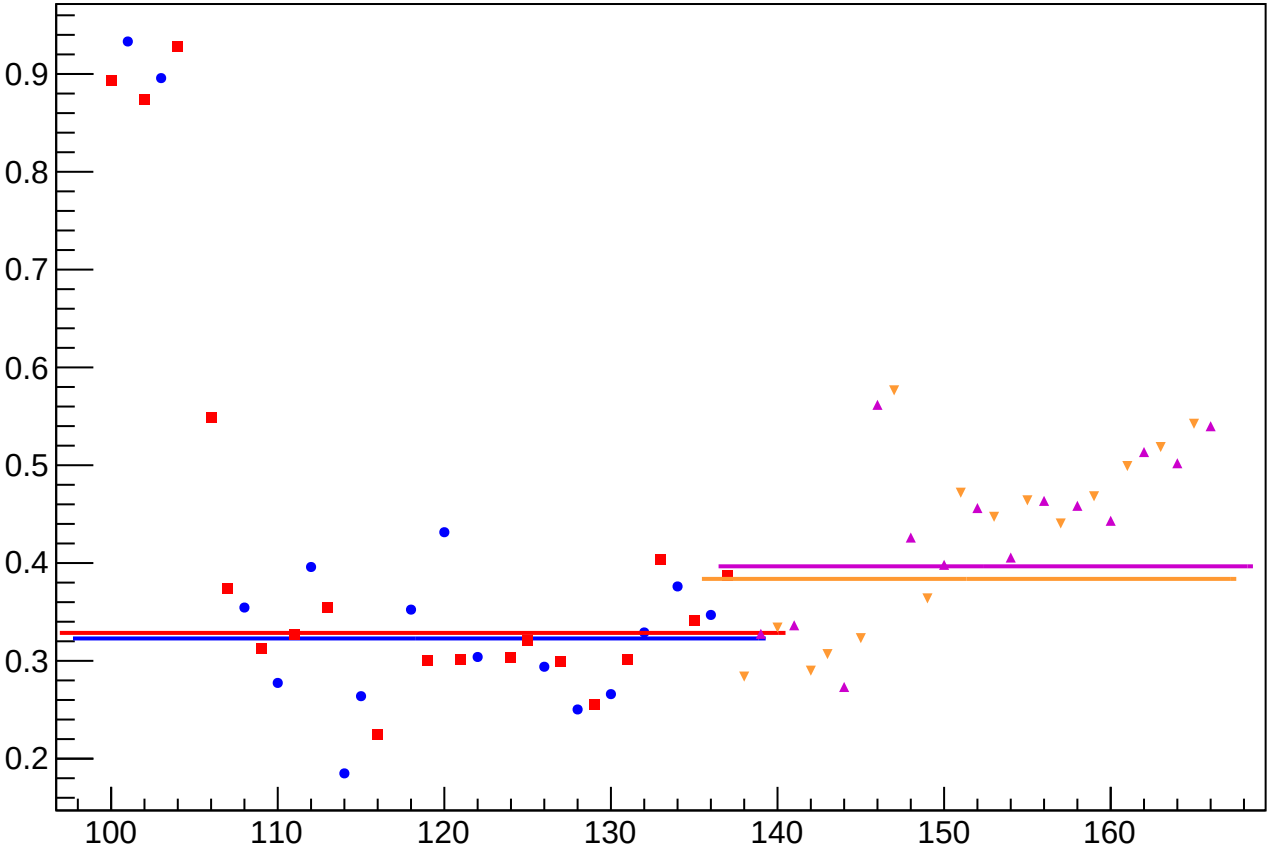
In: 31.135+/-0.005 χ^2/NDF:3330003.6/29

Out: 31.163+/-0.005 χ^2/NDF:3595626.9/33

All: 31.149+/-0.004 χ^2/NDF: 6925644.2/63


yield_bcm_target_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 147.951+/-0.000 χ²/NDF:32724865.1/14
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 147.524+/-0.000 χ²/NDF:288166055.9/13
Left: 147.746+/-0.000 χ²/NDF: 327241552.9/28
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 145.987+/-0.000 χ²/NDF:4358862838.2/29
Out: 146.358+/-0.000 χ²/NDF:4720068475.8/33
All: 146.176+/-0.000 χ²/NDF: 9087685817.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.397+/-0.000 χ^2/NDF:955399.3/13

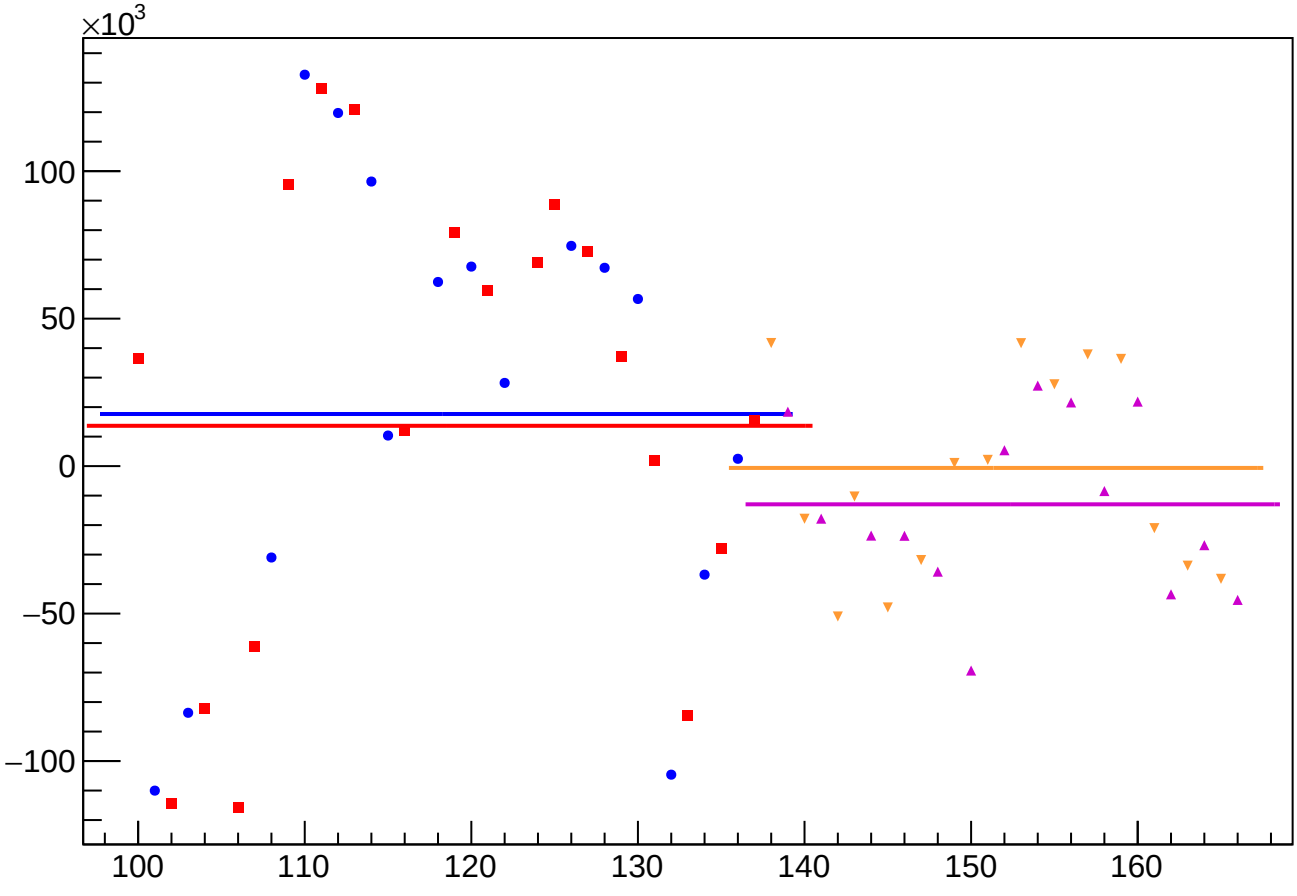
Left: 0.390+/-0.000 χ^2/NDF: 2116816.3/28

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.363+/-0.000 χ^2/NDF:2687201.0/29

Out: 0.360+/-0.000 χ^2/NDF:2648004.3/33

All: 0.361+/-0.000 χ^2/NDF: 5336421.8/63



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -617.701+/-1.432 χ^2/NDF:510240184.6/14

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -12954.395+/-1.454 χ^2/NDF:414155450.8/13

Left: -6690.688+/-1.020 χ^2/NDF: 960941400.2/28

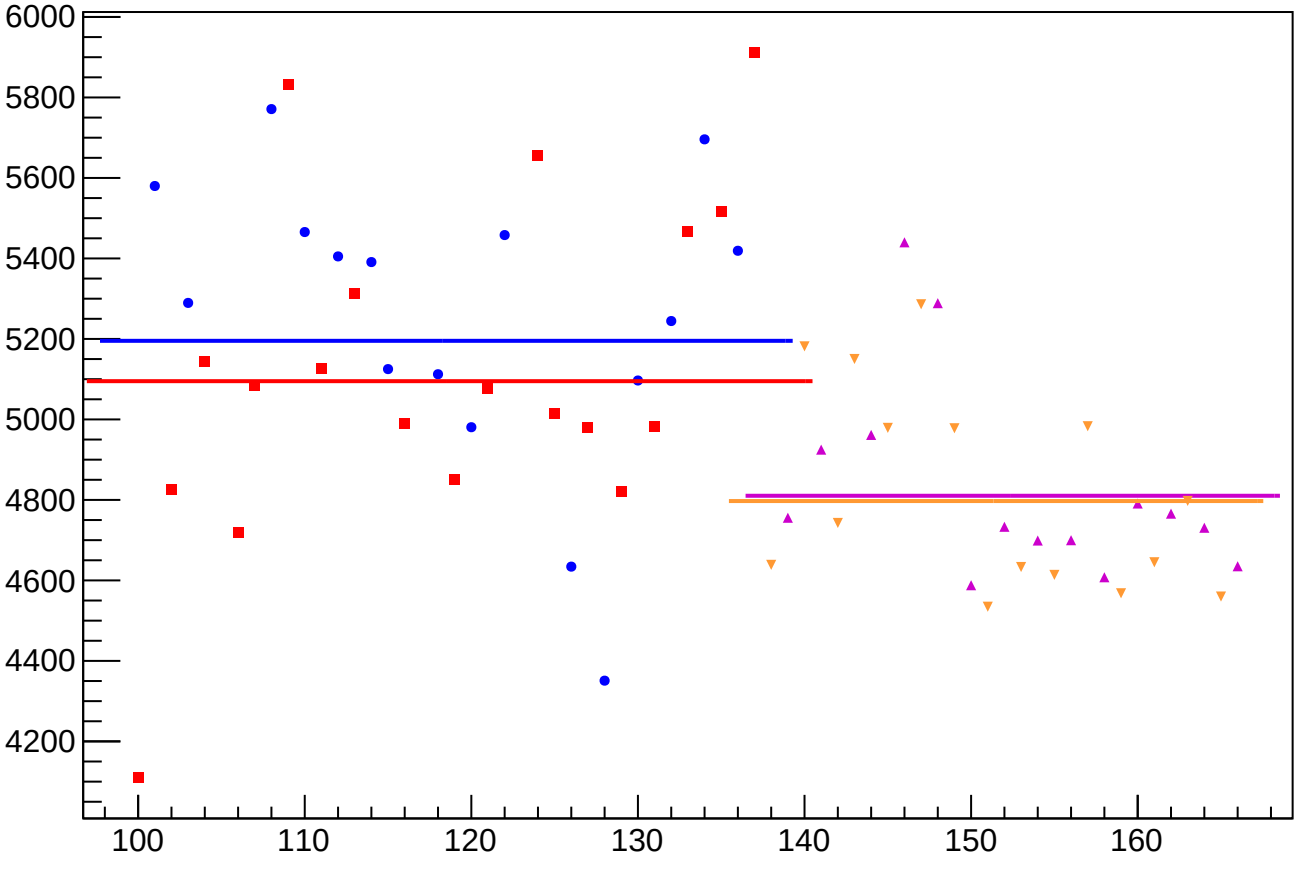
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -2404.514+/-1.177 χ^2/NDF:1965662654.0/29

Out: 4470.244+/-1.149 χ^2/NDF:2402654062.6/33

All: 1116.779+/-0.822 χ^2/NDF: 4385784393.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4797.154+/-1.012 χ^2/NDF:55864.8/14

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4810.317+/-1.028 χ^2/NDF:48520.1/13

Left: 4803.634+/-0.721 χ^2/NDF: 104468.1/28

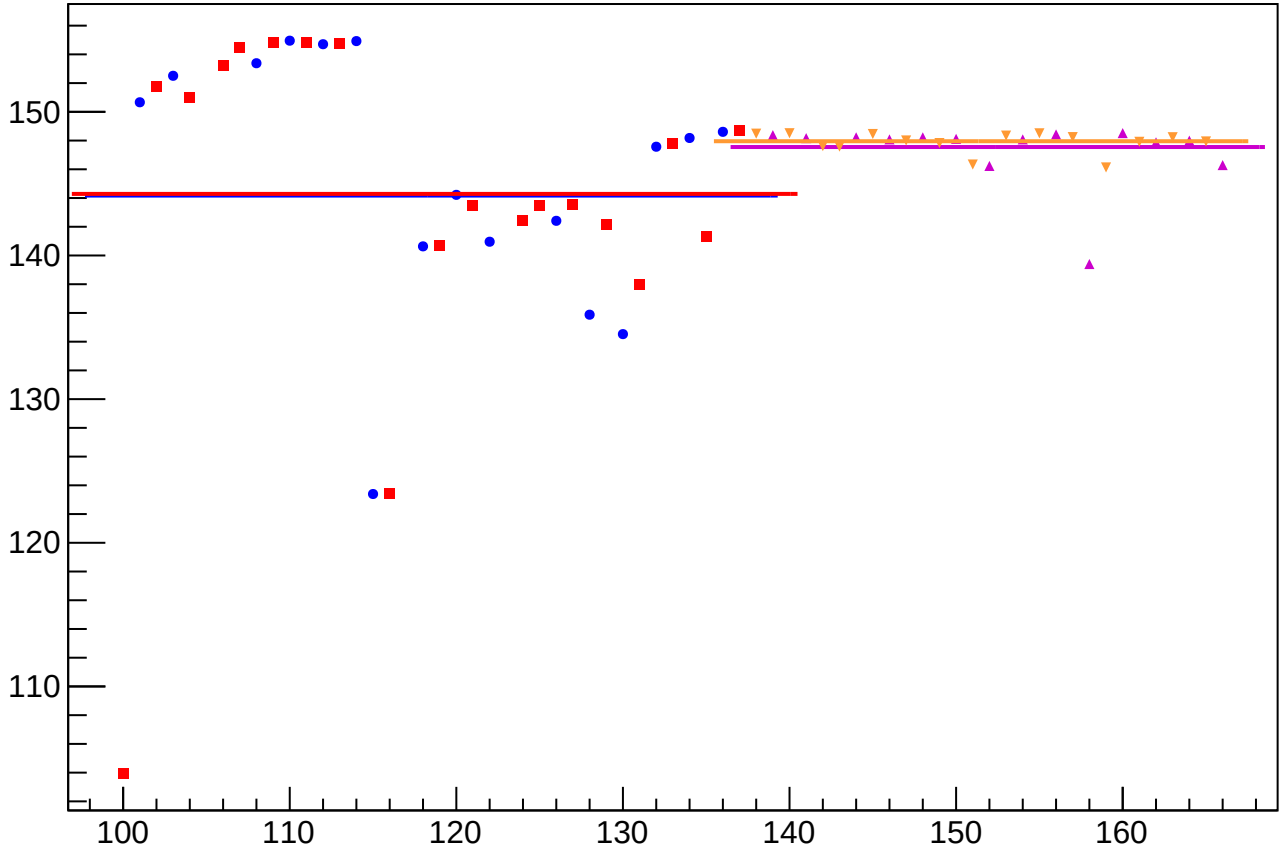
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4942.968+/-0.832 χ^2/NDF:173990.2/29

Out: 4903.263+/-0.812 χ^2/NDF:145814.3/33

All: 4922.631+/-0.581 χ^2/NDF: 320969.8/63

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32790303.4/14

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.550+/-0.000 χ^2/NDF:289037681.3/13

Left: 147.760+/-0.000 χ^2/NDF: 327576428.6/28

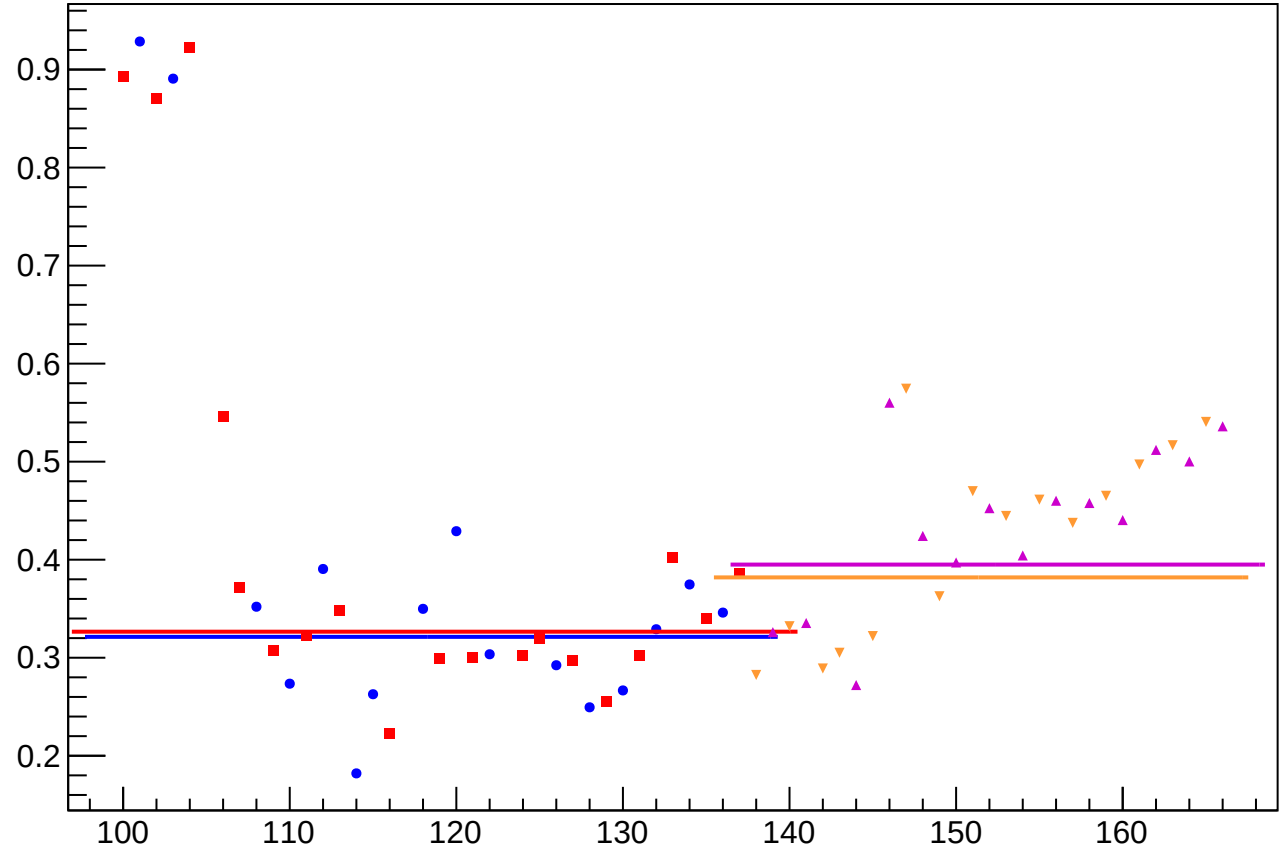
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.997+/-0.000 χ^2/NDF:4409361381.7/29

Out: 146.350+/-0.000 χ^2/NDF:4755529111.6/33

All: 146.177+/-0.000 χ^2/NDF: 9172873700.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.382+/-0.000 χ^2/NDF:1150123.0/14

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.395+/-0.000 χ^2/NDF:952977.0/13

Left: 0.388+/-0.000 χ^2/NDF: 2115154.5/28

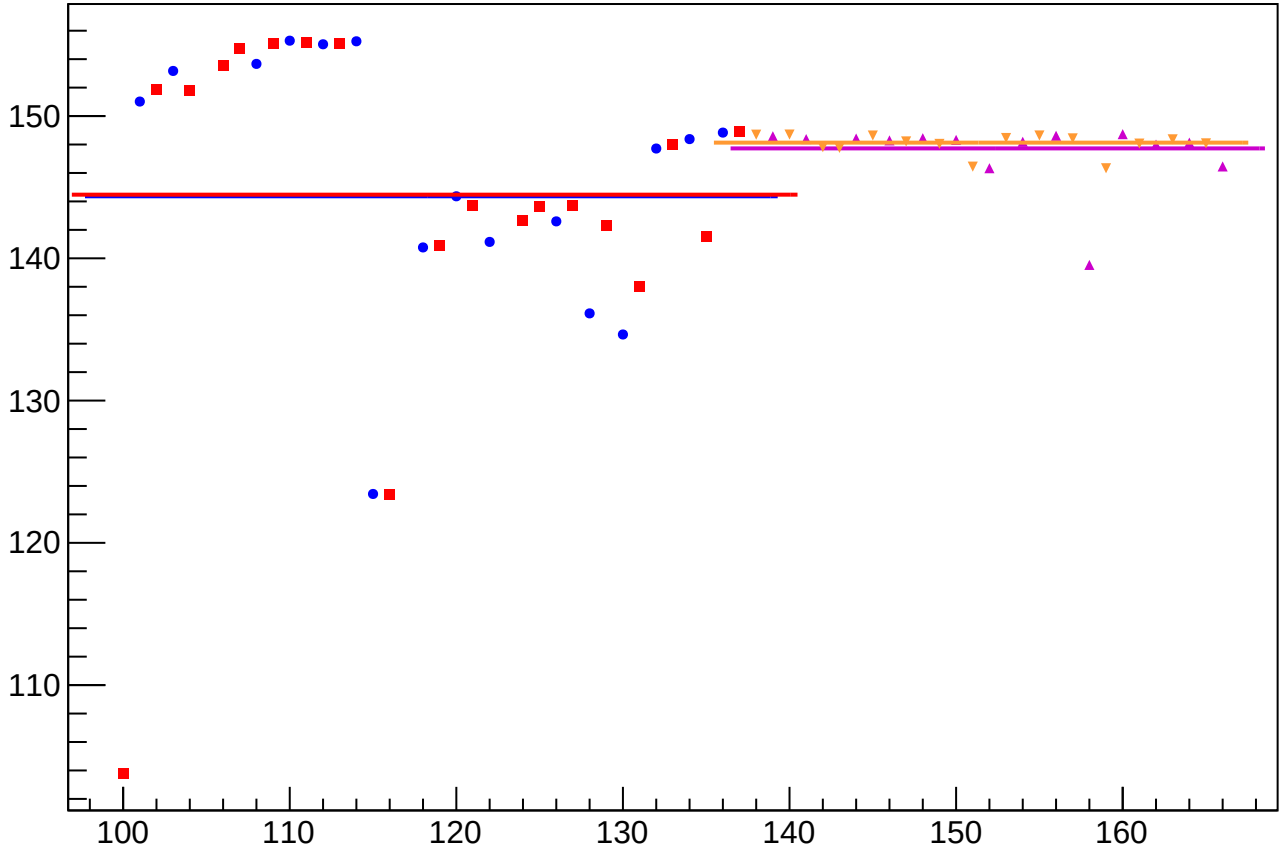
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.361+/-0.000 χ^2/NDF:2687737.3/29

Out: 0.358+/-0.000 χ^2/NDF:2650074.5/33

All: 0.359+/-0.000 χ^2/NDF: 5339290.4/63

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.132+/-0.000 χ^2/NDF:32772346.8/14

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.726+/-0.000 χ^2/NDF:293269484.1/13

Left: 147.938+/-0.000 χ^2/NDF: 331791809.4/28

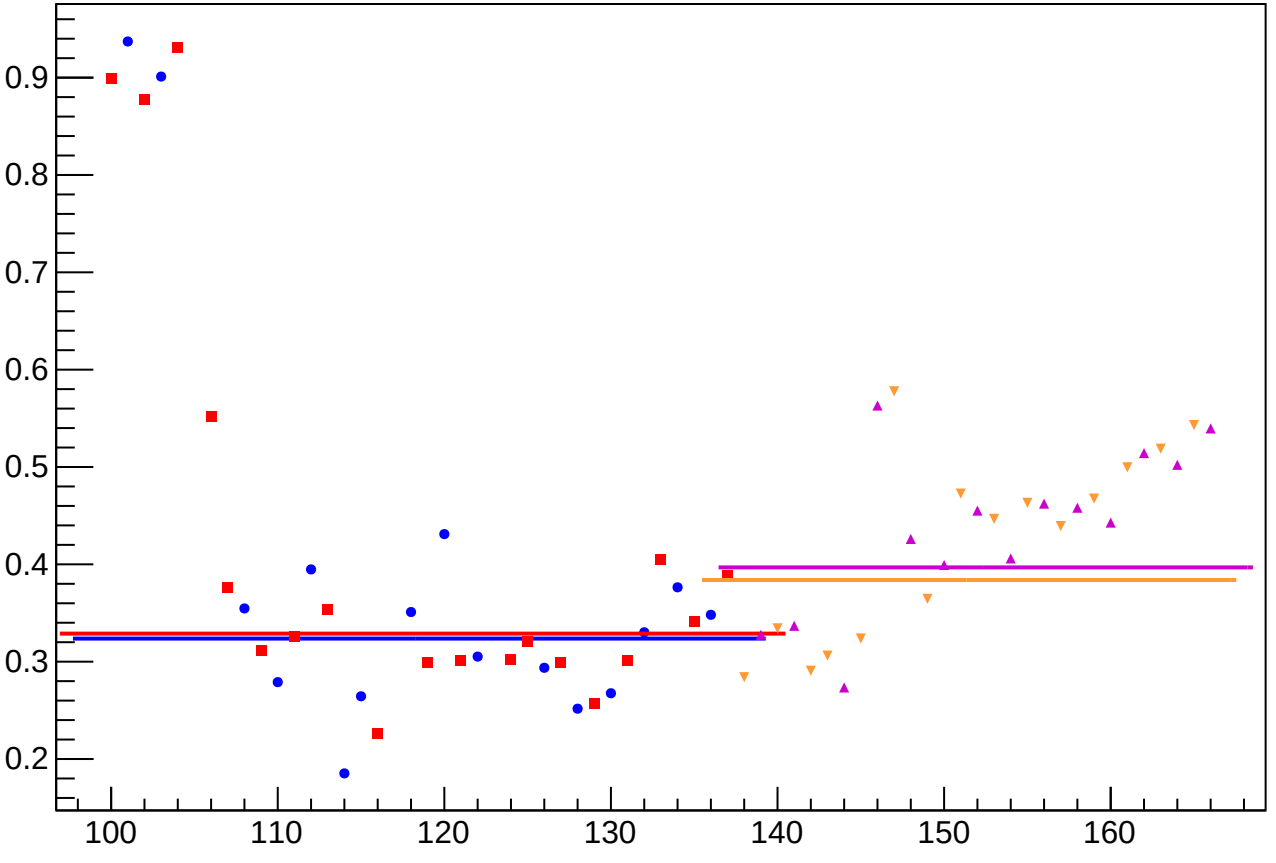
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.184+/-0.000 χ^2/NDF:4400444638.6/29

Out: 146.536+/-0.000 χ^2/NDF:4739738949.3/33

All: 146.363+/-0.000 χ^2/NDF: 9148036877.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.384+/-0.000 χ^2/NDF:1147926.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.397+/-0.000 χ^2/NDF:952540.6/13

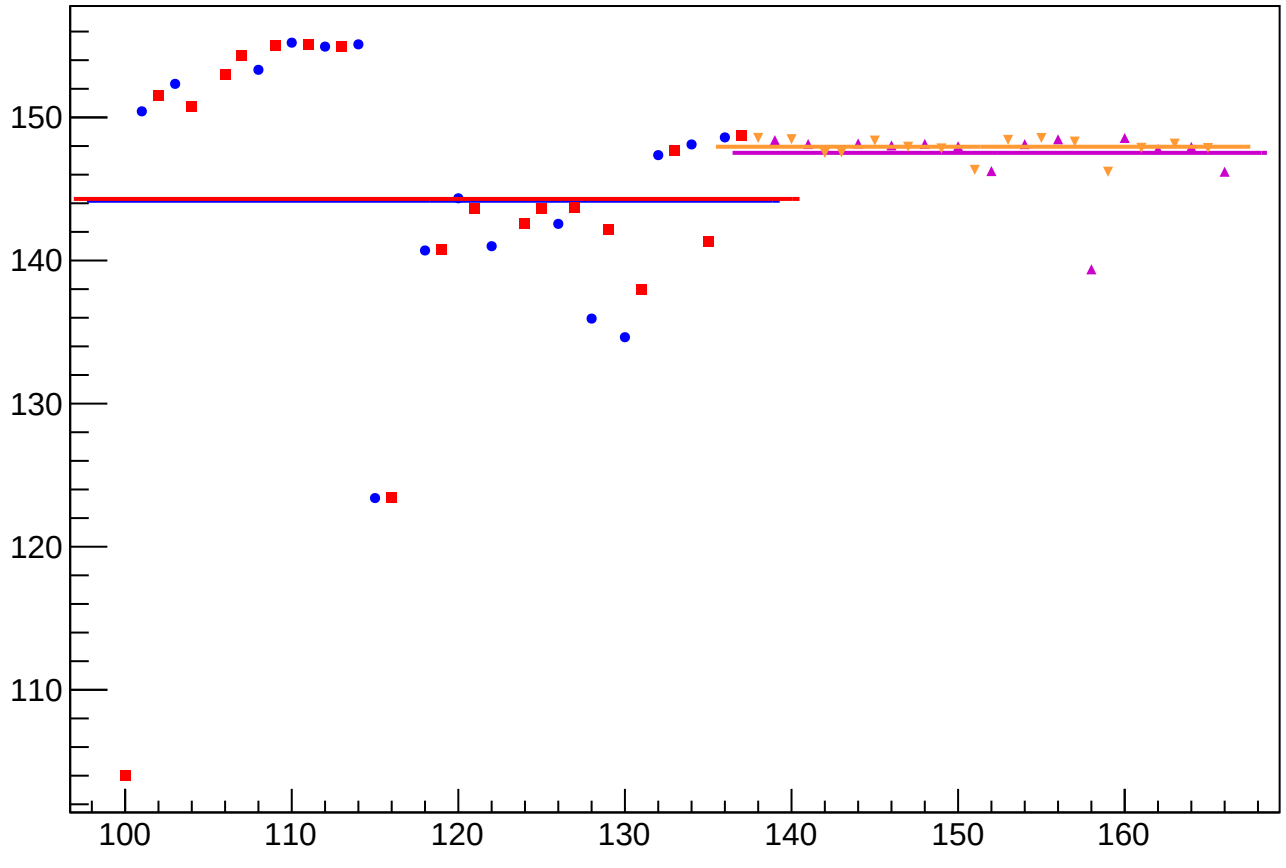
Left: 0.390+/-0.000 χ^2/NDF: 2112143.8/28

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.363+/-0.000 χ^2/NDF:2674107.4/29

Out: 0.360+/-0.000 χ^2/NDF:2644054.3/33

All: 0.362+/-0.000 χ^2/NDF: 5319667.7/63



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.951+/-0.000 χ^2/NDF:32724865.1/14

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.524+/-0.000 χ^2/NDF:288166055.9/13

Left: 147.746+/-0.000 χ^2/NDF: 327241552.9/28

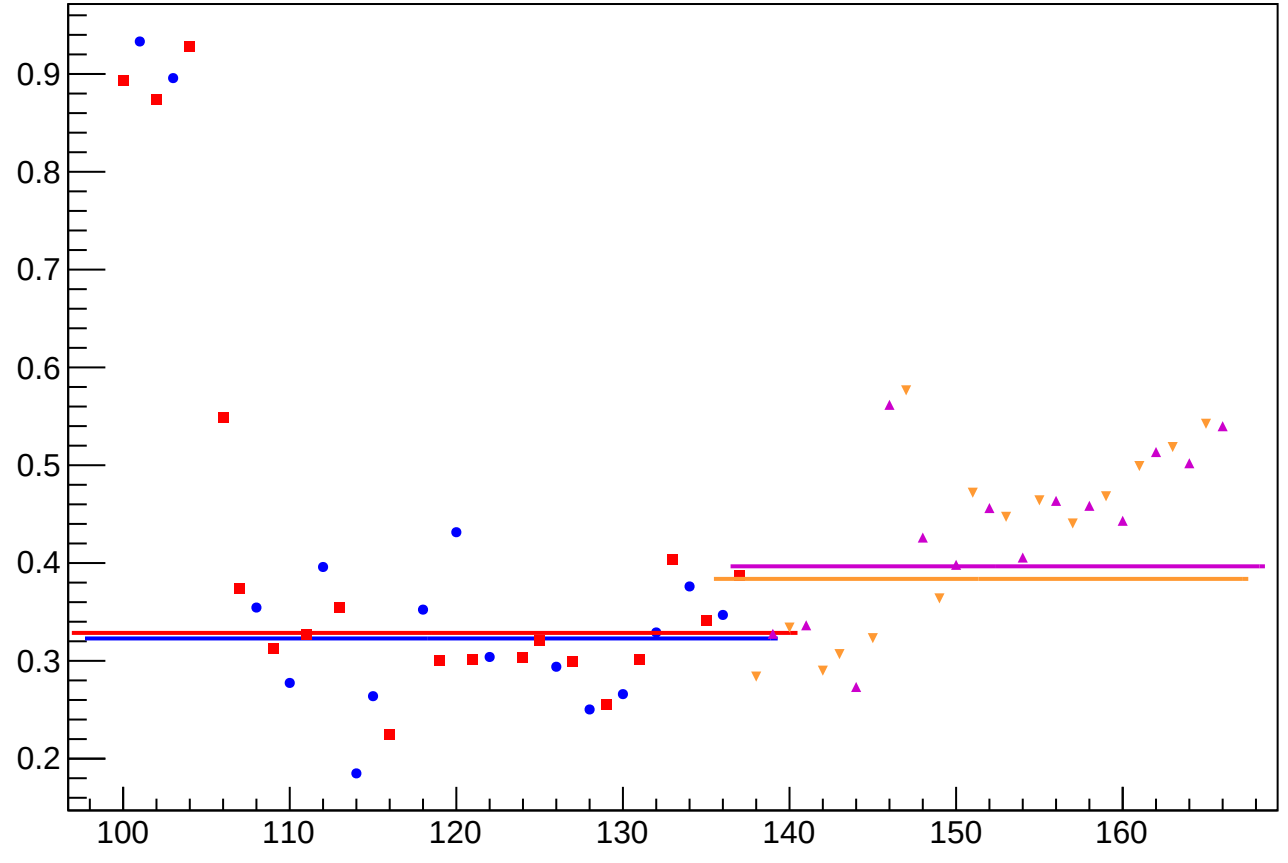
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.987+/-0.000 χ^2/NDF:4358862838.2/29

Out: 146.358+/-0.000 χ^2/NDF:4720068475.8/33

All: 146.176+/-0.000 χ^2/NDF: 9087685817.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.397+/-0.000 χ^2/NDF:955399.3/13

Left: 0.390+/-0.000 χ^2/NDF: 2116816.3/28

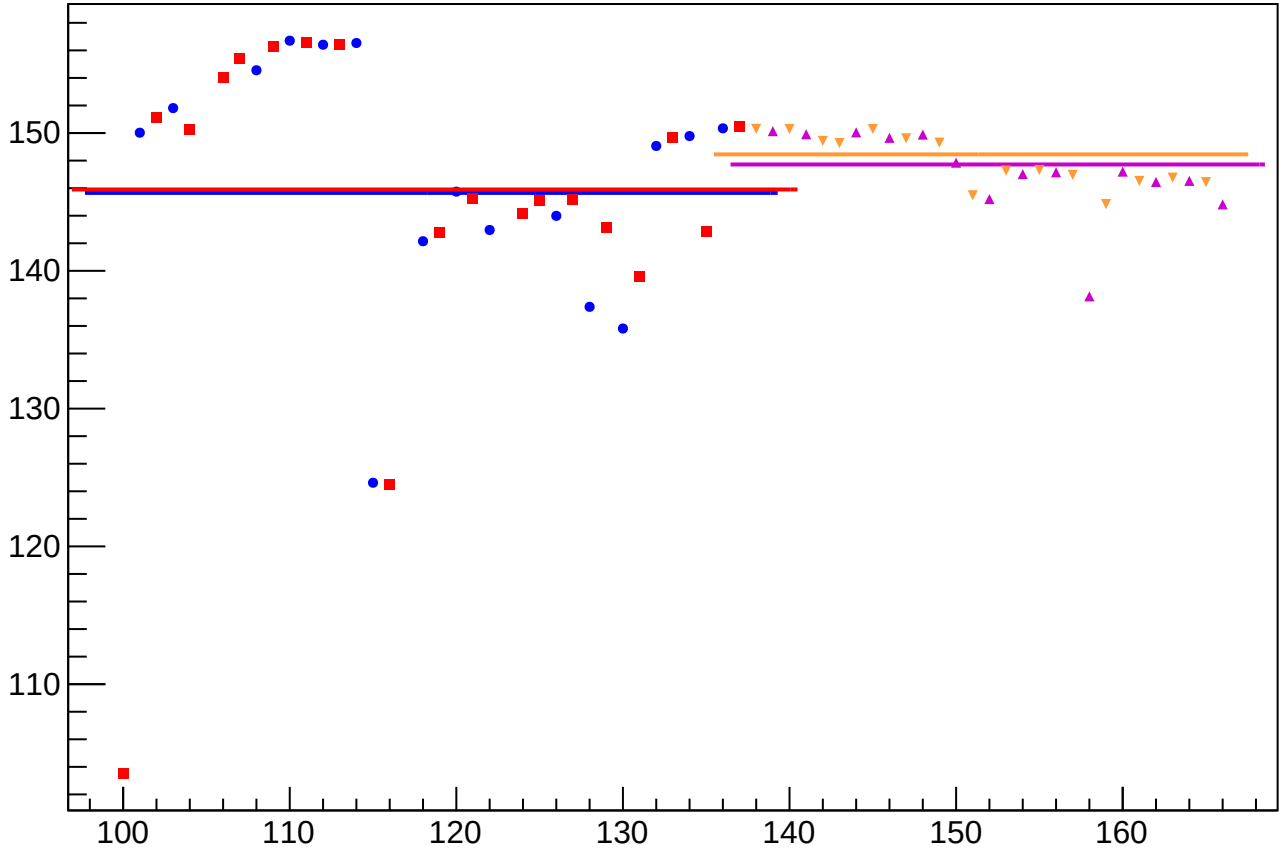
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.363+/-0.000 χ^2/NDF:2687201.0/29

Out: 0.360+/-0.000 χ^2/NDF:2648004.3/33

All: 0.361+/-0.000 χ^2/NDF: 5336421.8/63

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.450+/-0.000 χ^2/NDF:213414116.6/14

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.719+/-0.000 χ^2/NDF:546239798.4/13

Left: 148.097+/-0.000 χ^2/NDF: 776978472.7/28

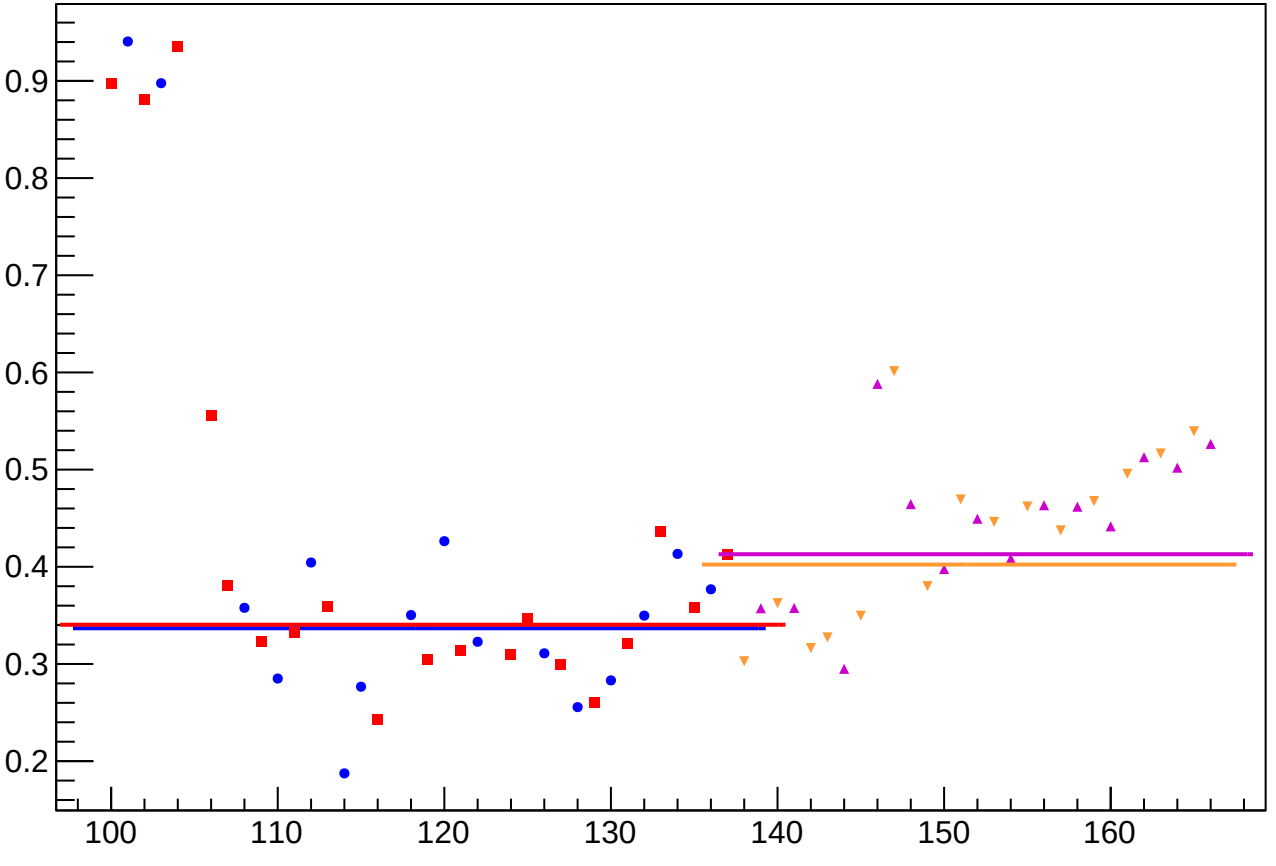
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.779+/-0.000 χ^2/NDF:4149077782.7/29

Out: 147.330+/-0.000 χ^2/NDF:4267260155.7/33

All: 147.060+/-0.000 χ^2/NDF: 8434142081.0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.402+/-0.000 χ^2/NDF:859294.8/14

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.413+/-0.000 χ^2/NDF:730261.6/13

Left: 0.407+/-0.000 χ^2/NDF: 1596860.3/28

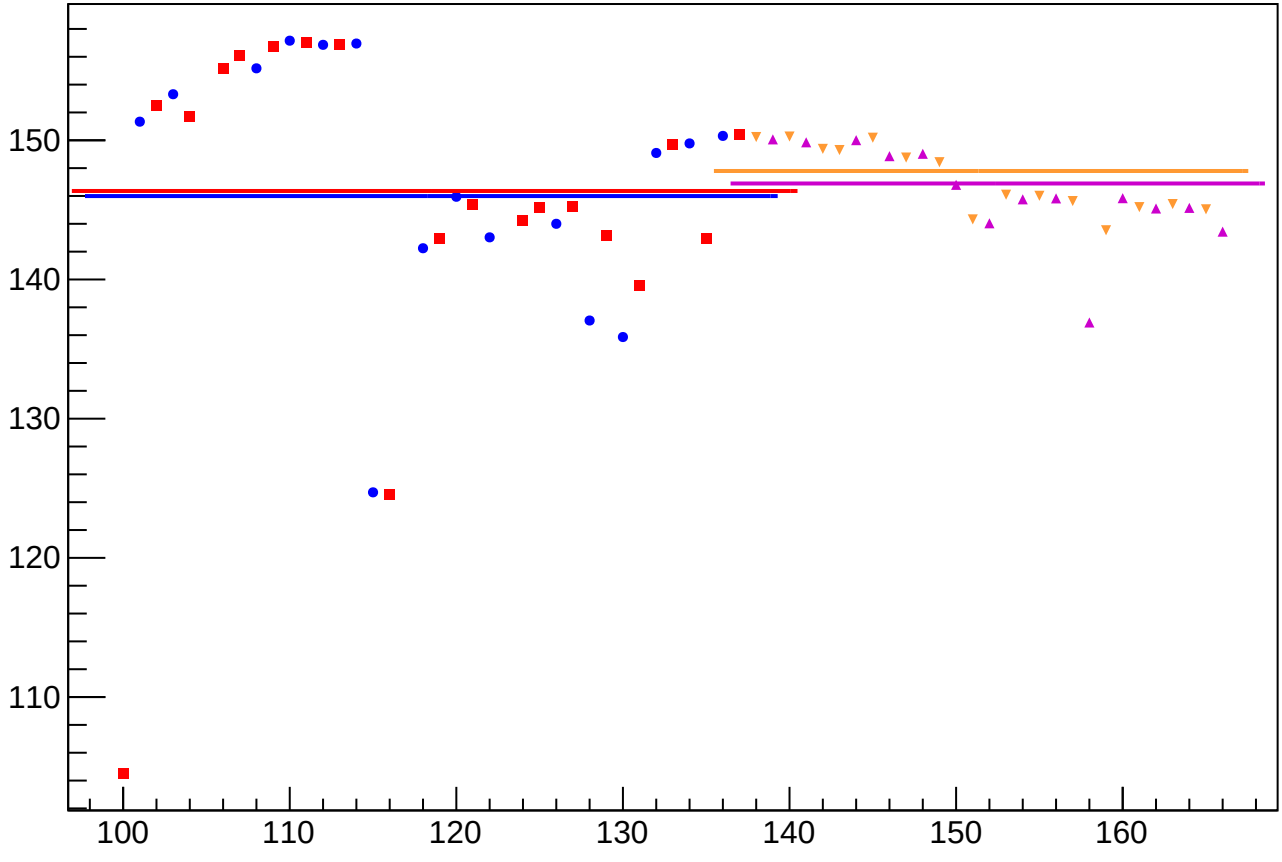
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.378+/-0.000 χ^2/NDF:2432075.0/29

Out: 0.375+/-0.000 χ^2/NDF:2359756.8/33

All: 0.377+/-0.000 χ^2/NDF: 4792998.0/63

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.795+/-0.000 χ^2/NDF:359639533.3/14

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.897+/-0.000 χ^2/NDF:717263099.6/13

Left: 147.361+/-0.000 χ^2/NDF: 1102903270.7/28

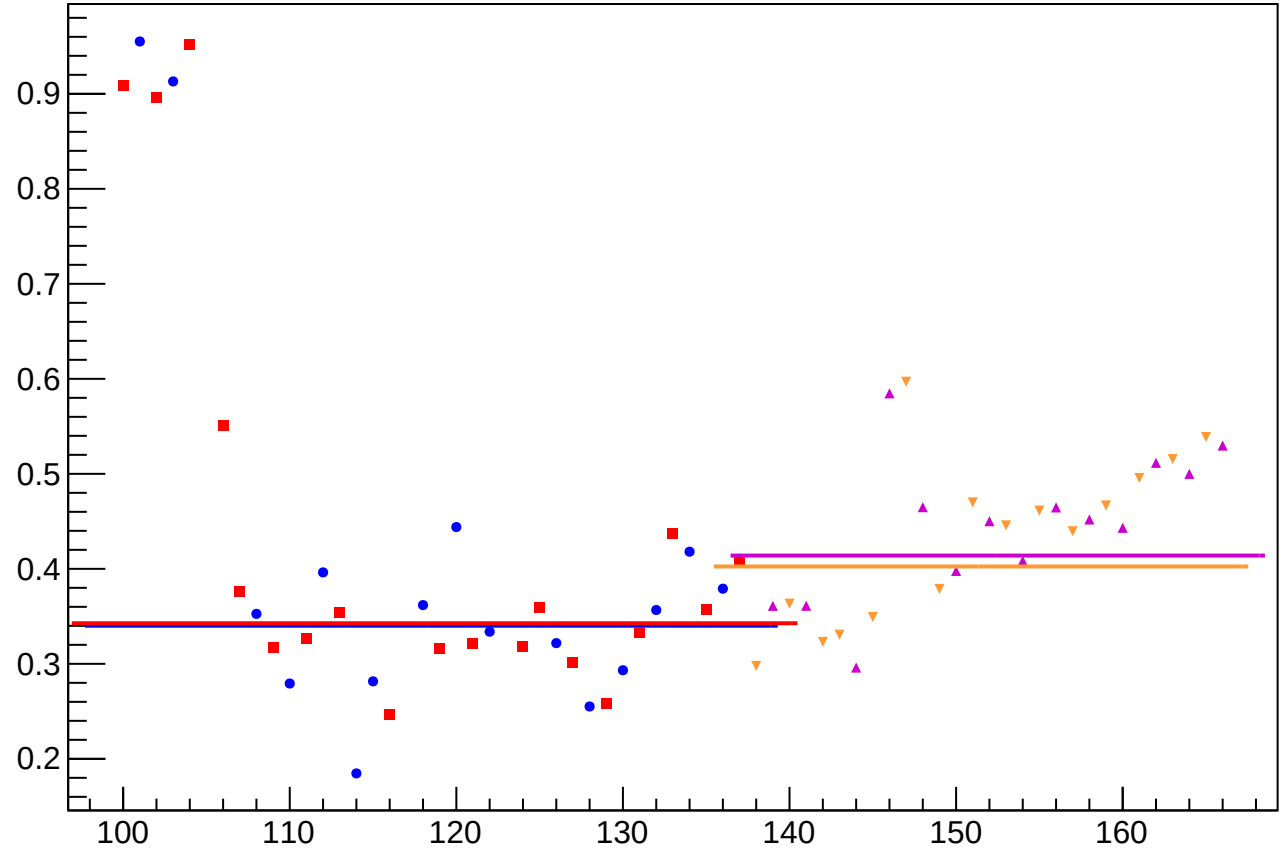
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.489+/-0.000 χ^2/NDF:4361873170.6/29

Out: 147.168+/-0.000 χ^2/NDF:4382900459.6/33

All: 146.835+/-0.000 χ^2/NDF: 8771494526.5

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.402+/-0.000 χ^2/NDF:852568.3/14

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.414+/-0.000 χ^2/NDF:701427.6/13

Left: 0.408+/-0.000 χ^2/NDF: 1562482.8/28

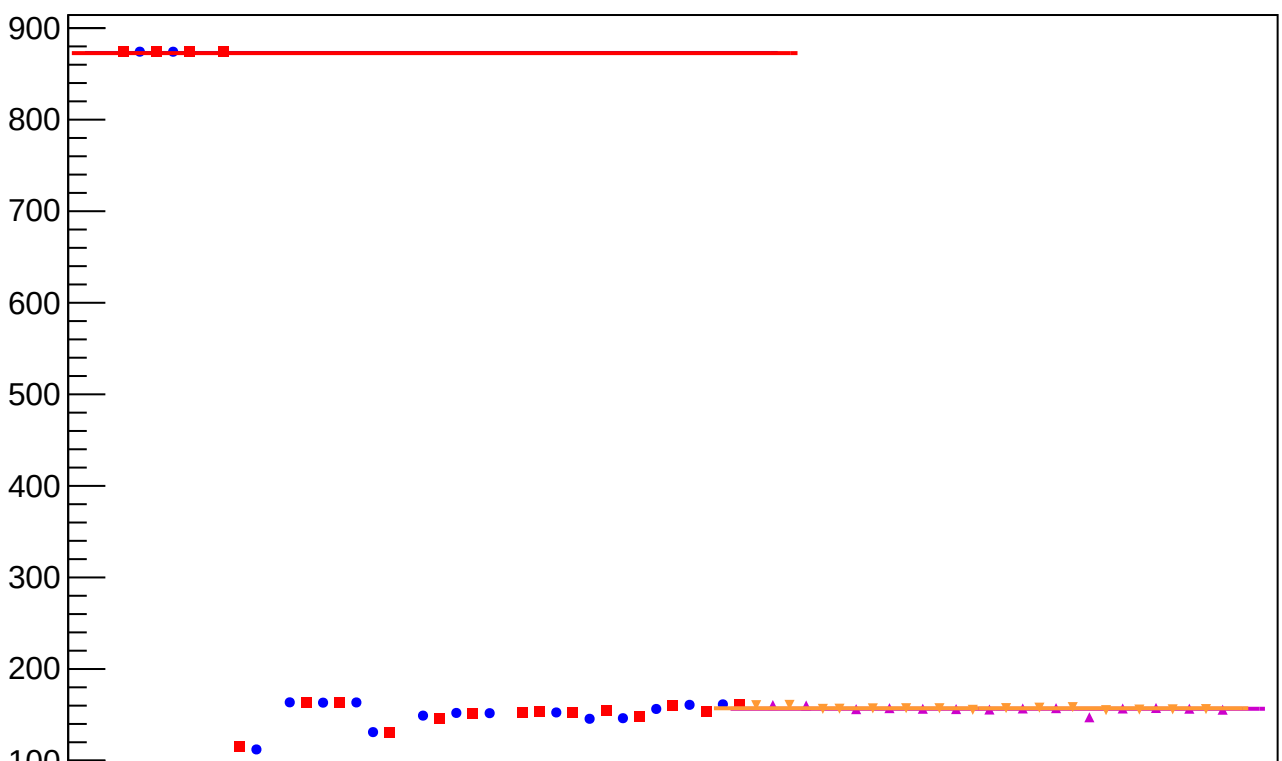
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.381+/-0.000 χ^2/NDF:2400981.8/29

Out: 0.376+/-0.000 χ^2/NDF:2331579.5/33

All: 0.378+/-0.000 χ^2/NDF: 4734678.2/63

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.123+/-0.000 χ^2/NDF:62824777.6/14

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.574+/-0.000 χ^2/NDF:167202348.3/13

Left: 156.850+/-0.000 χ^2/NDF: 233125166.0/28

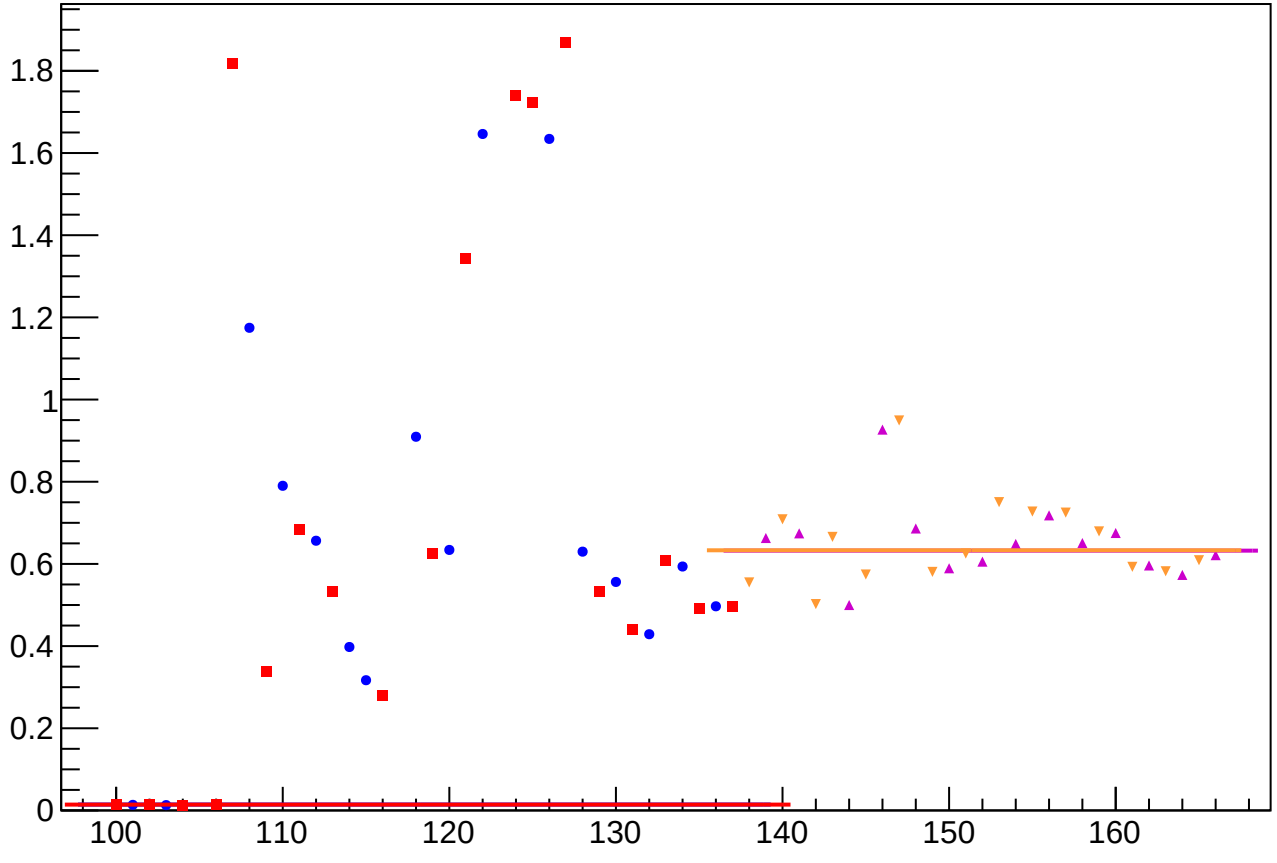
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.765+/-0.000 χ^2/NDF:17688820603783.7/2

Out: 870.879+/-0.000 χ^2/NDF:19723570312935.5

All: 870.826+/-0.000 χ^2/NDF: 37412440434(

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.633+/-0.000 χ^2/NDF:301498.6/14

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.632+/-0.000 χ^2/NDF:243776.2/13

Left: 0.633+/-0.000 χ^2/NDF: 545290.4/28

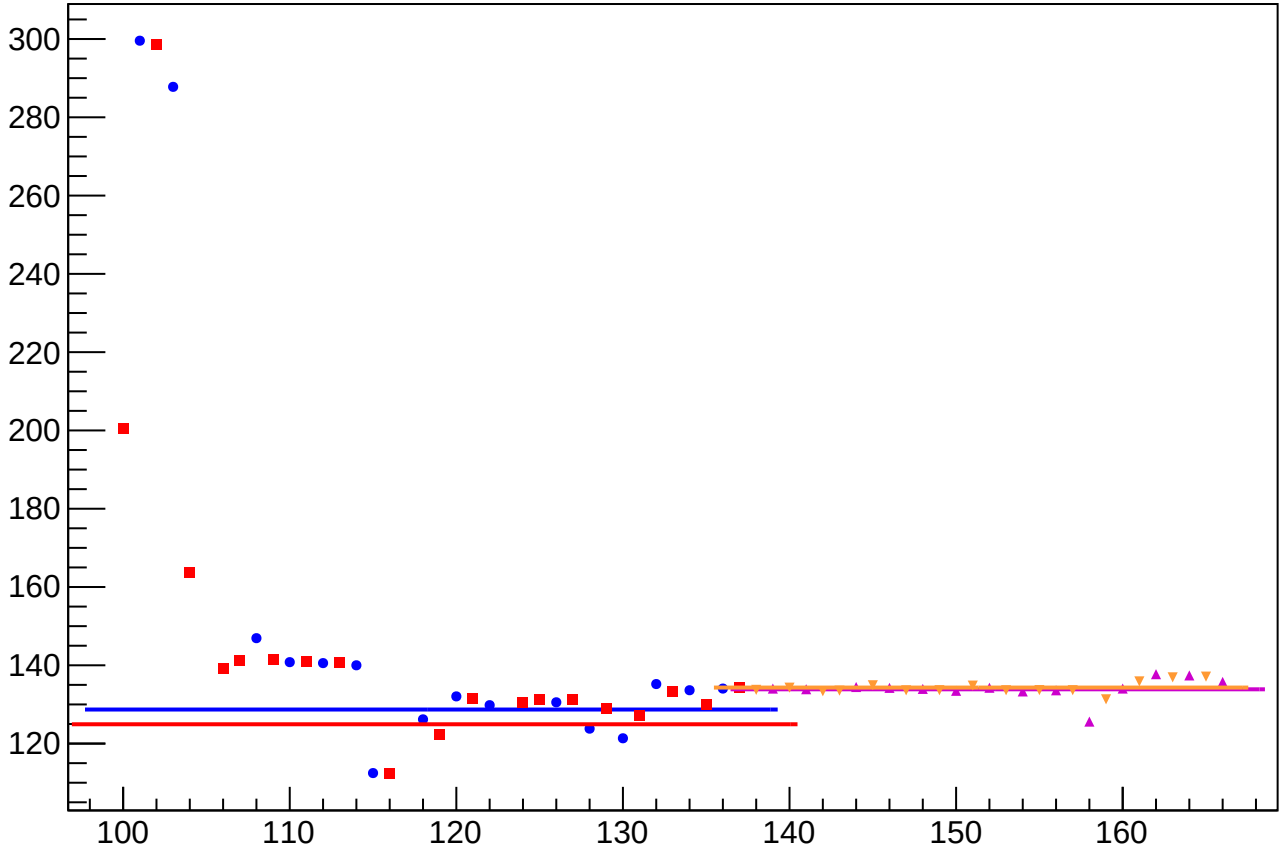
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:25491132.9/29

Out: 0.016+/-0.000 χ^2/NDF:25506798.4/33

All: 0.016+/-0.000 χ^2/NDF: 50998929.0/63

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.312+/-0.000 χ^2/NDF:101076898.2/14

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.865+/-0.000 χ^2/NDF:367573652.8/13

Left: 134.095+/-0.000 χ^2/NDF: 473293900.9/28

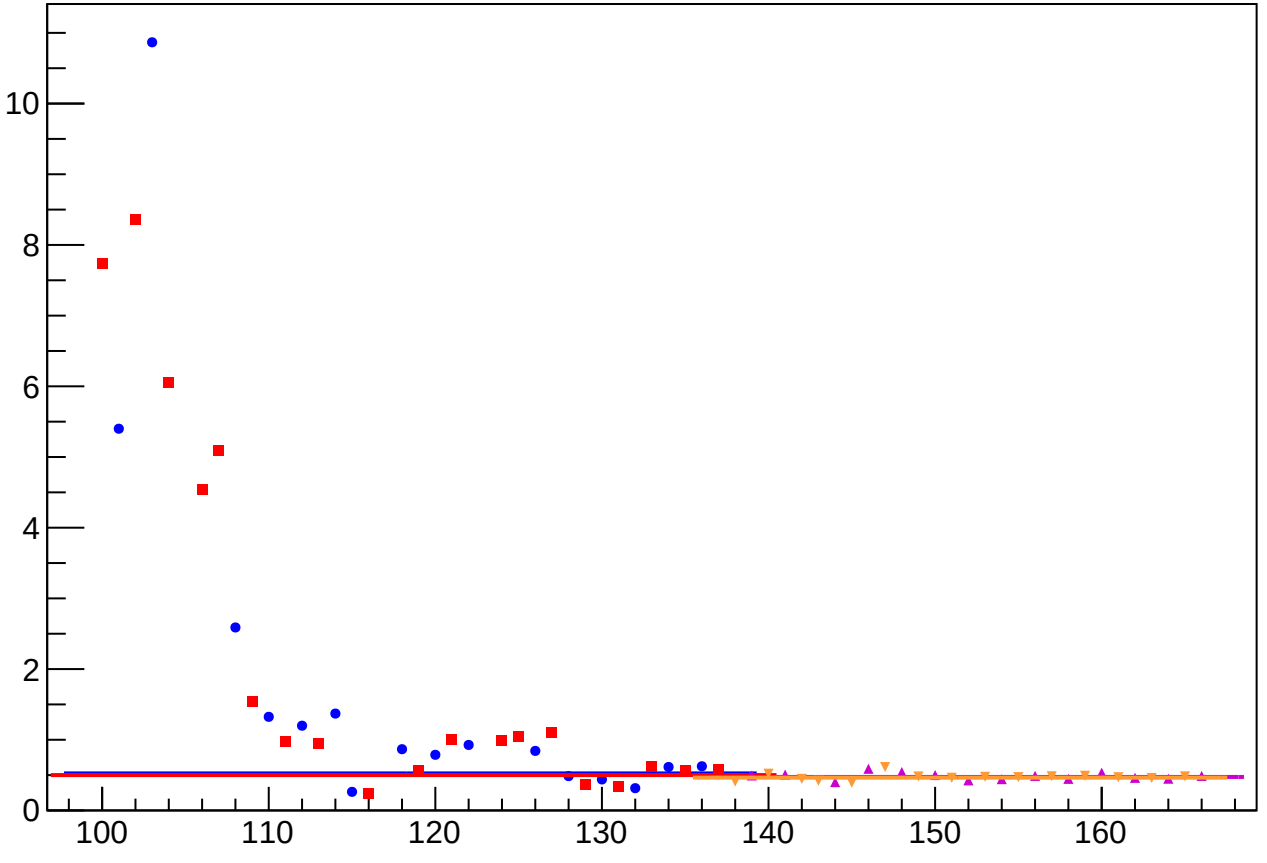
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.686+/-0.000 χ^2/NDF:2298880126.4/29

Out: 132.193+/-0.000 χ^2/NDF:2453835844.2/33

All: 132.433+/-0.000 χ^2/NDF: 4760038510.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.464+/-0.000 χ^2/NDF:197000.1/14

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.474+/-0.000 χ^2/NDF:215259.2/13

Left: 0.469+/-0.000 χ^2/NDF: 416600.8/28

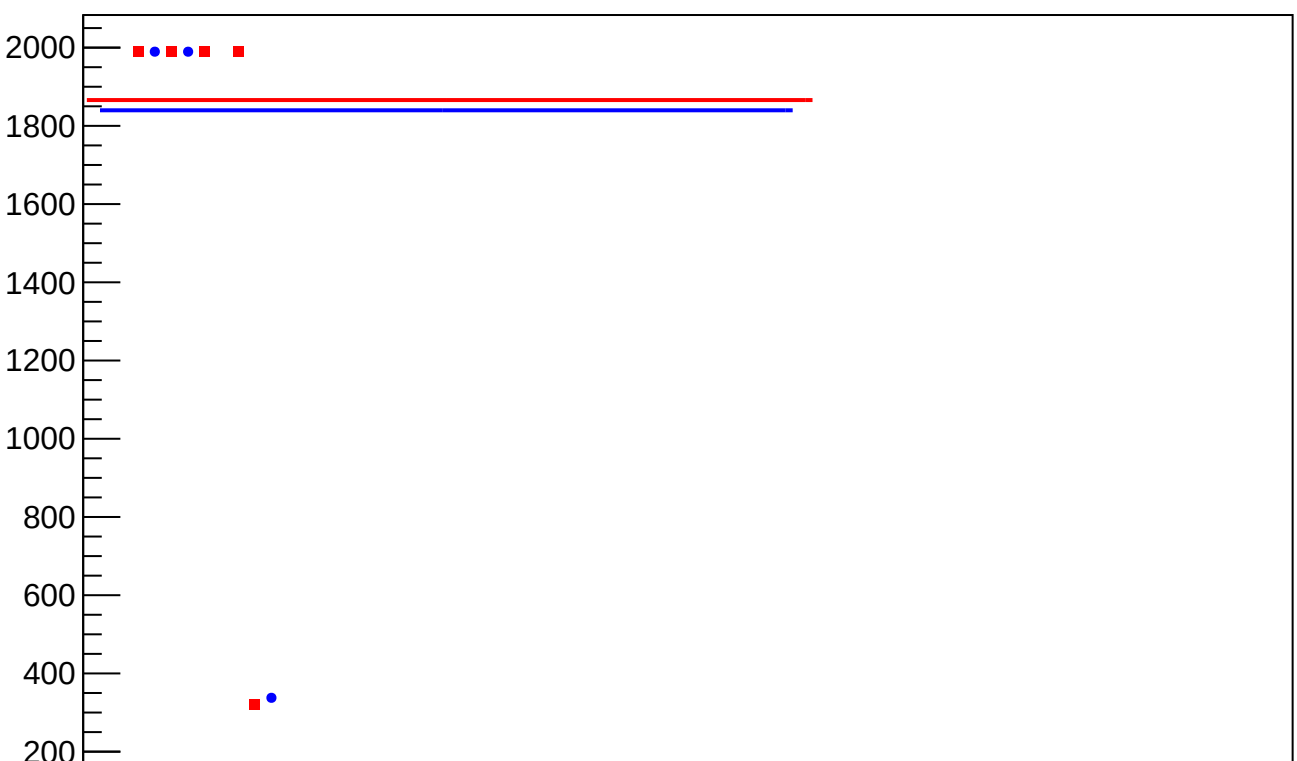
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.485+/-0.000 χ^2/NDF:4405403.5/29

Out: 0.472+/-0.000 χ^2/NDF:5109621.2/33

All: 0.479+/-0.000 χ^2/NDF: 9525060.3/63

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.427+/-0.000 χ^2/NDF:55466981.3/14

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.181+/-0.000 χ^2/NDF:225969083.6/13

Left: 137.310+/-0.000 χ^2/NDF: 283443117.5/28

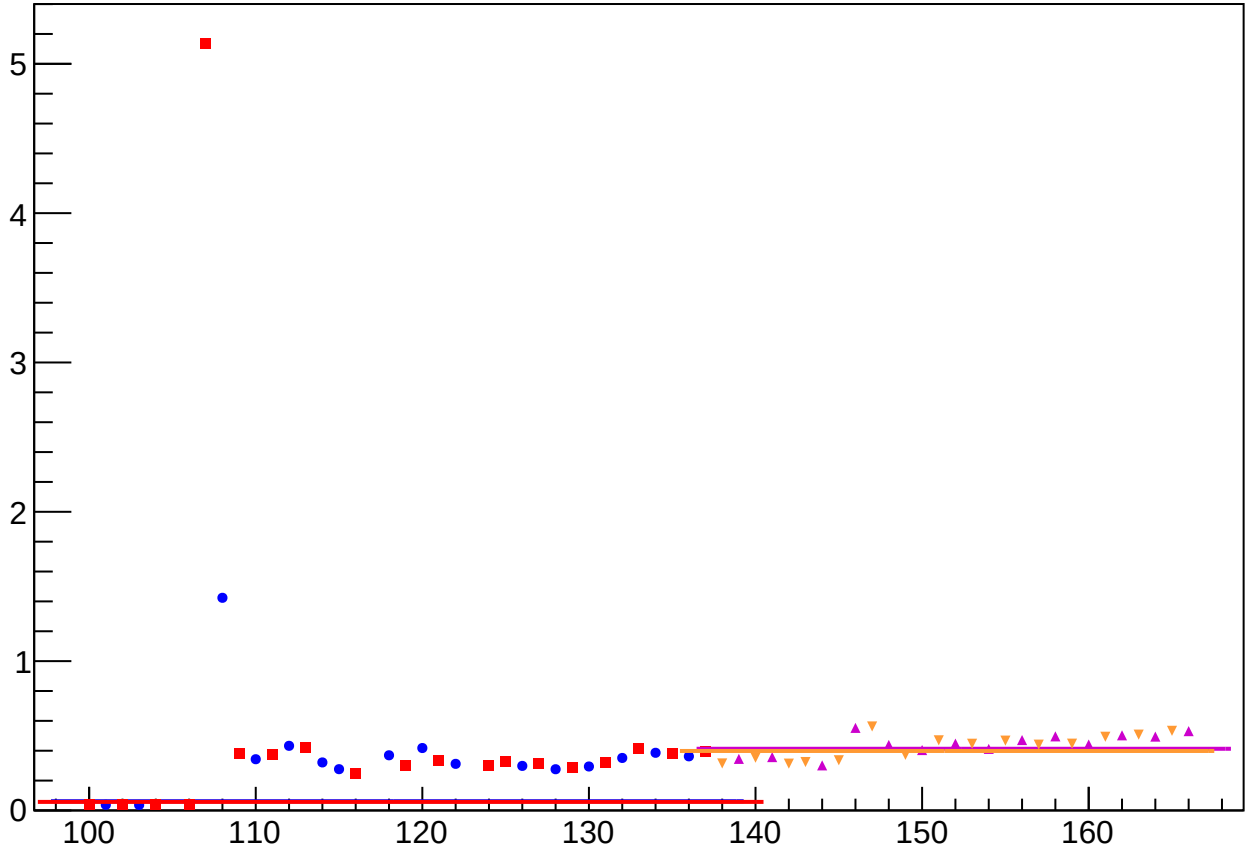
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1670.294+/-0.000 χ^2/NDF:310495668791049.

Out: 1703.652+/-0.000 χ^2/NDF:32960886859960

All: 1688.211+/-0.000 χ^2/NDF: 6404830903

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:804995.4/14

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.413+/-0.000 χ^2/NDF:680926.7/13

Left: 0.405+/-0.000 χ^2/NDF: 1500244.4/28

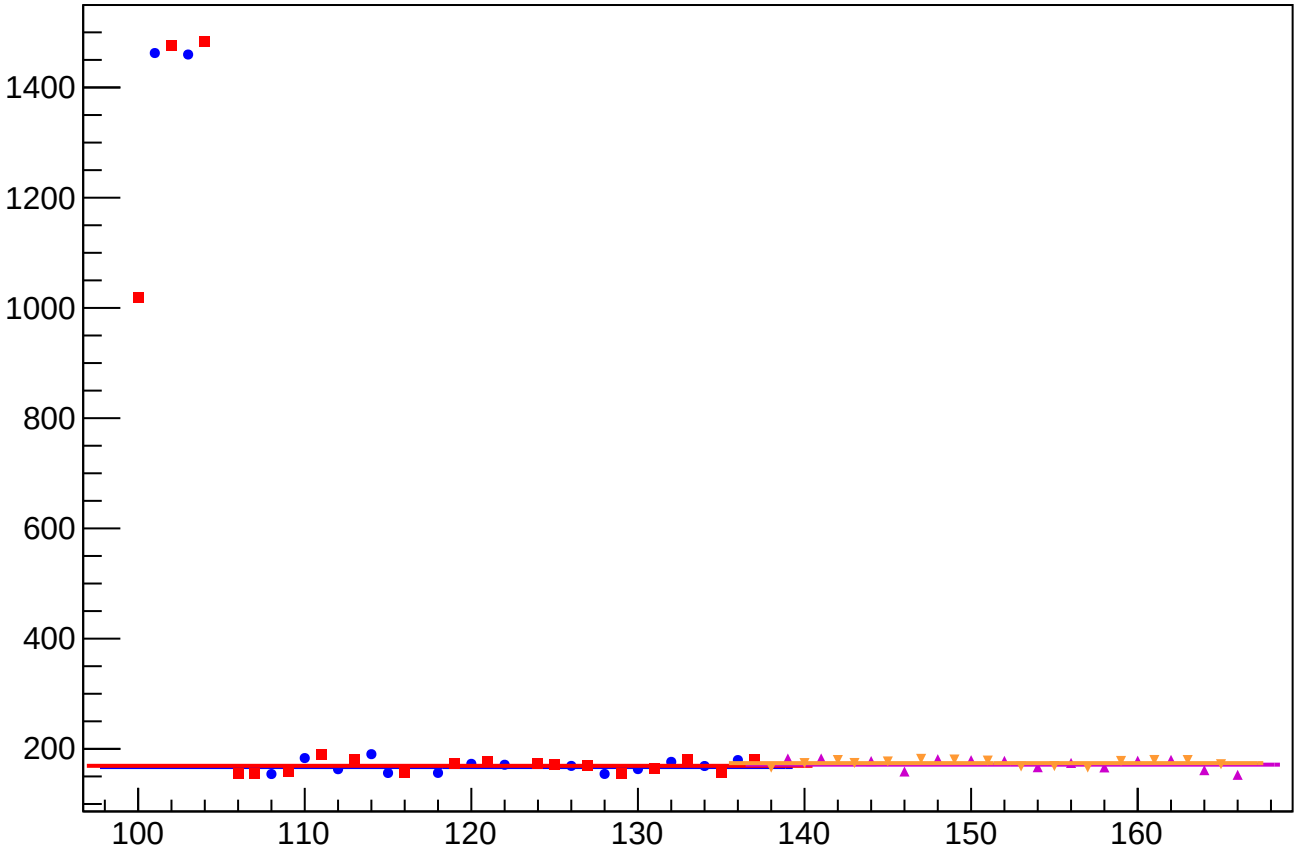
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.097+/-0.000 χ^2/NDF:22871033.1/29

Out: 0.089+/-0.000 χ^2/NDF:23096987.7/33

All: 0.093+/-0.000 χ^2/NDF: 46005590.8/63

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.163+/-0.000 χ^2/NDF:308665350.0/14

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 171.366+/-0.000 χ^2/NDF:1086818888.1/13

Left: 172.744+/-0.000 χ^2/NDF: 1437234408.5/28

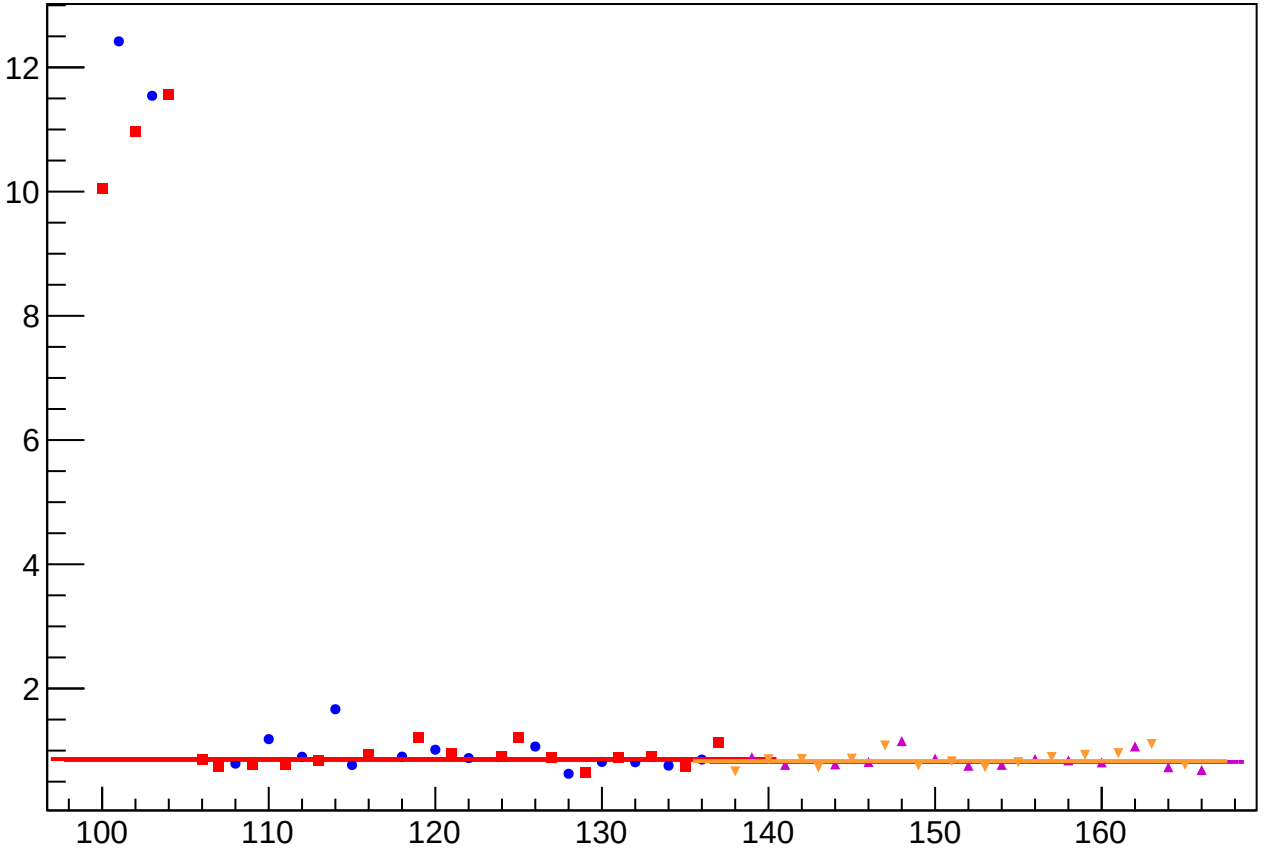
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 169.938+/-0.000 χ^2/NDF:15769071178.1/29

Out: 172.489+/-0.000 χ^2/NDF:16712604293.8/33

All: 171.207+/-0.000 χ^2/NDF: 32533909409.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.831+/-0.000 χ^2/NDF:269731.4/14

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.818+/-0.000 χ^2/NDF:240500.8/13

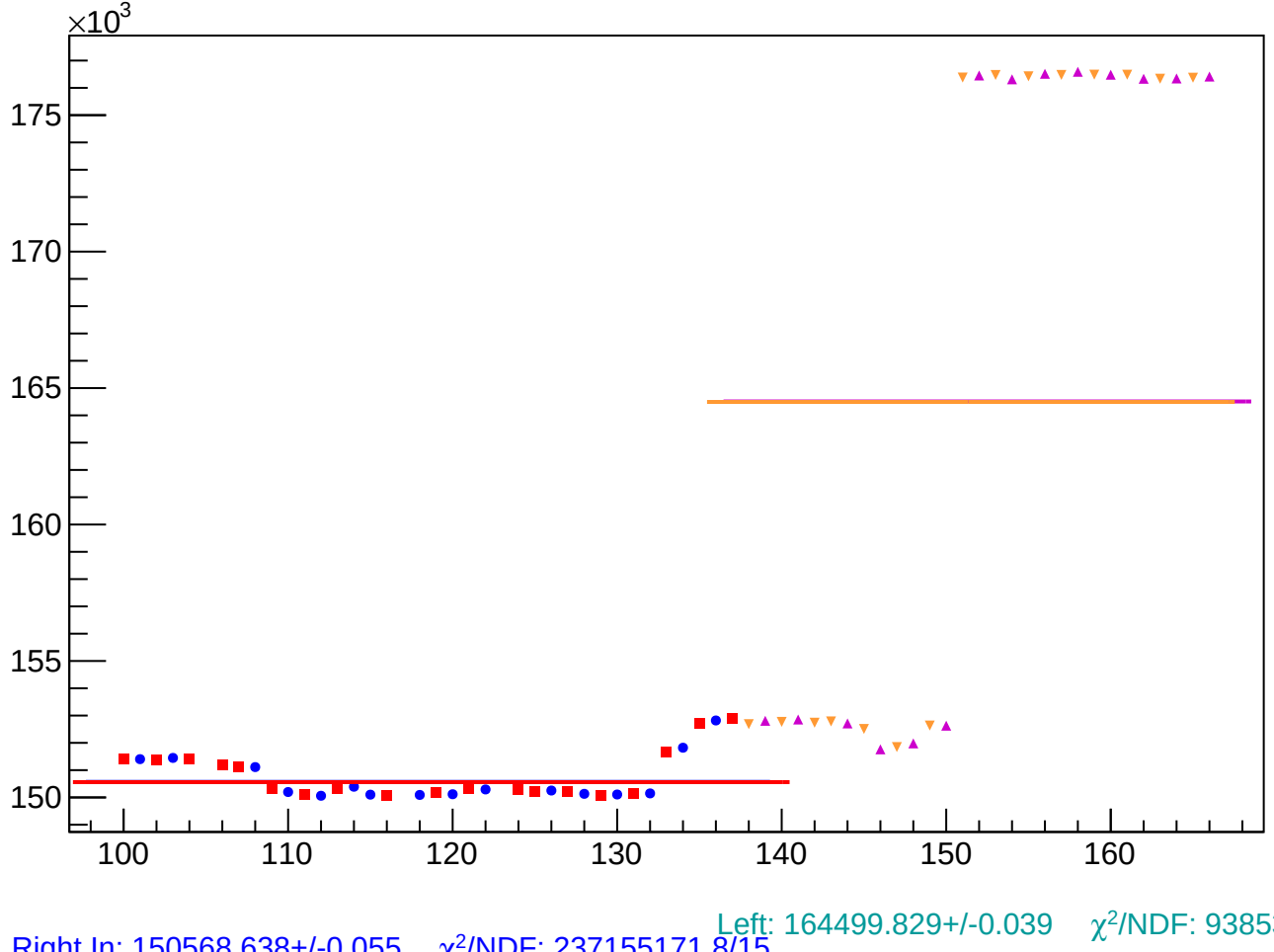
Left: 0.824+/-0.000 χ^2/NDF: 512072.0/28

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

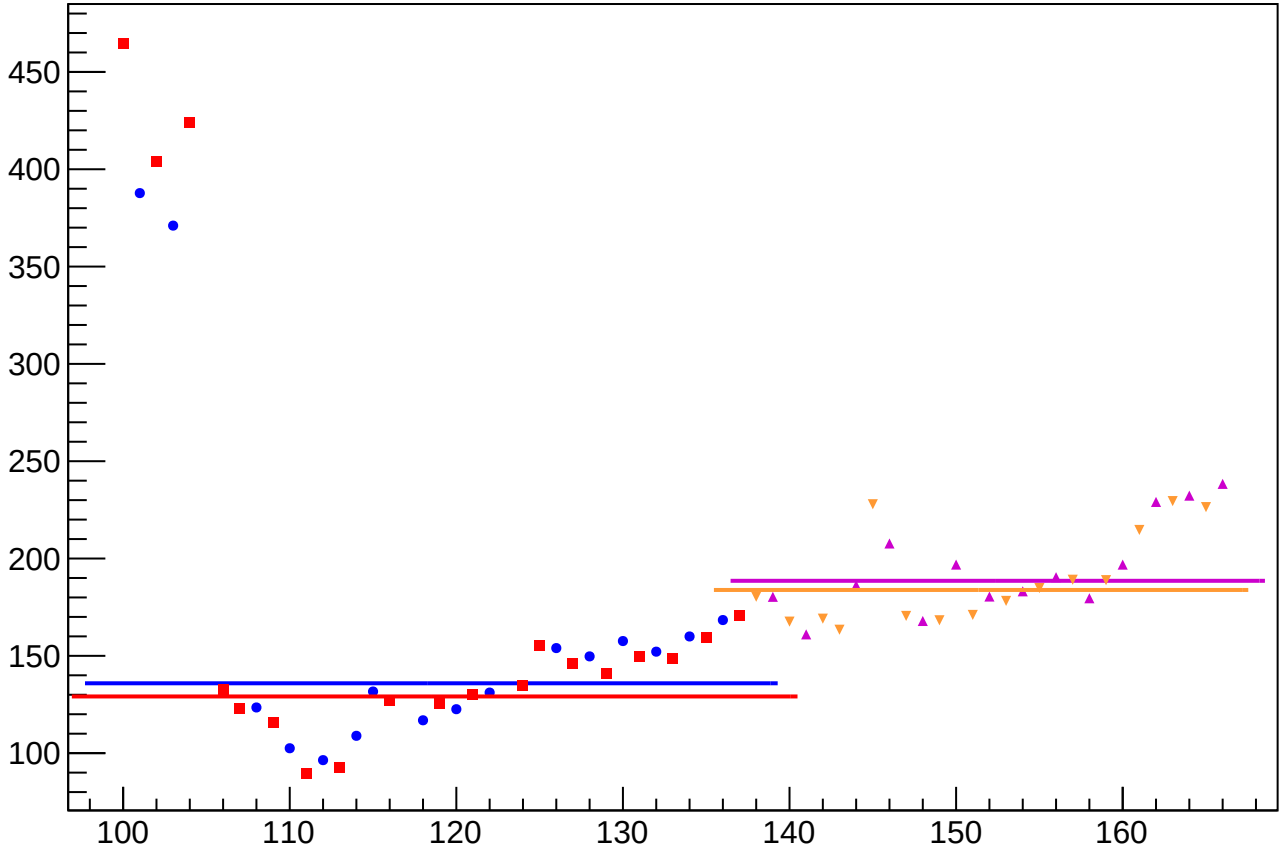
In: 0.829+/-0.000 χ^2/NDF:2551499.0/29

Out: 0.842+/-0.000 χ^2/NDF:2486865.4/33

All: 0.836+/-0.000 χ^2/NDF: 5041060.7/63


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164491.500+/-0.054 χ²/NDF:48452443763.7/14
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 164508.781+/-0.056 χ²/NDF:45401456457.4/13
Left: 164499.829+/-0.039 χ²/NDF: 93853949145.0
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 157334.768+/-0.039 χ²/NDF:77265293759.5/2
Out: 157095.417+/-0.037 χ²/NDF:83666983166.2
All: 157208.738+/-0.027 χ²/NDF: 160951931

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 188.552+/-0.040 χ^2/NDF:252580.5/13

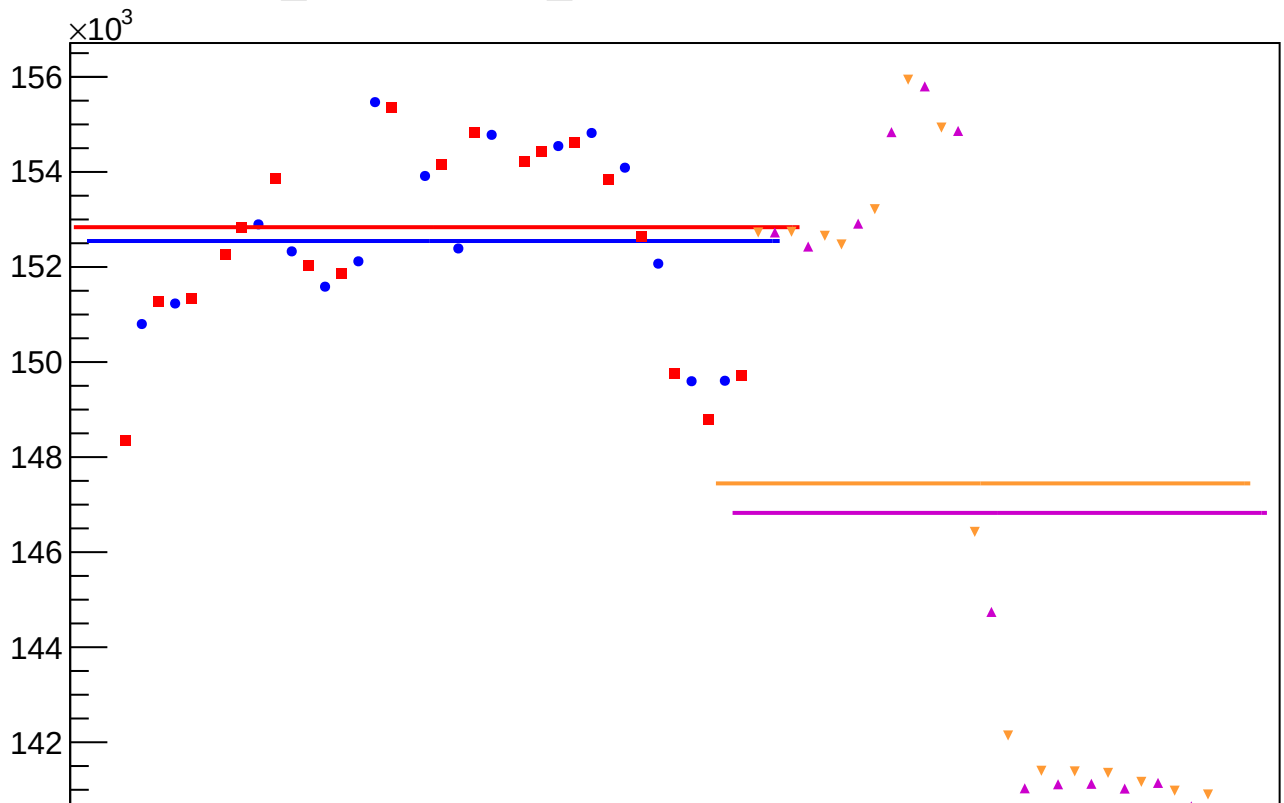
Left: 186.115+/-0.028 χ^2/NDF: 547827.3/28

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 161.454+/-0.028 χ^2/NDF:2571420.9/29

Out: 154.795+/-0.026 χ^2/NDF:2982901.7/33

All: 157.948+/-0.019 χ^2/NDF: 5584743.5/63



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146826.130+/-0.061 χ^2/NDF:9997083779.0/13

Left: 147143.628+/-0.043 χ^2/NDF: 19485958658.1

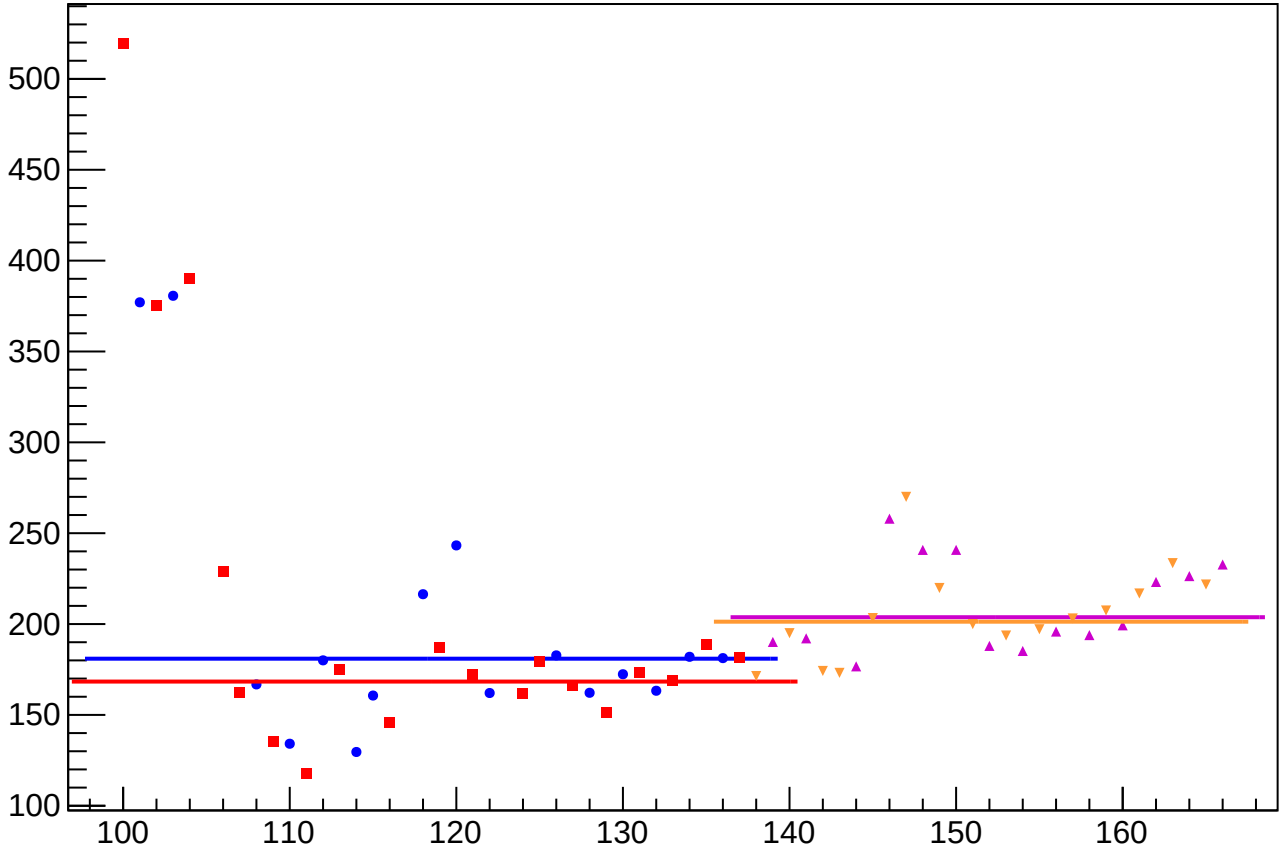
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149192.270+/-0.047 χ^2/NDF:14291134518.2/2

Out: 149841.048+/-0.044 χ^2/NDF:13808753365.6

All: 149532.857+/-0.032 χ^2/NDF: 28201204

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 203.766+/-0.043 χ^2/NDF:292680.9/13

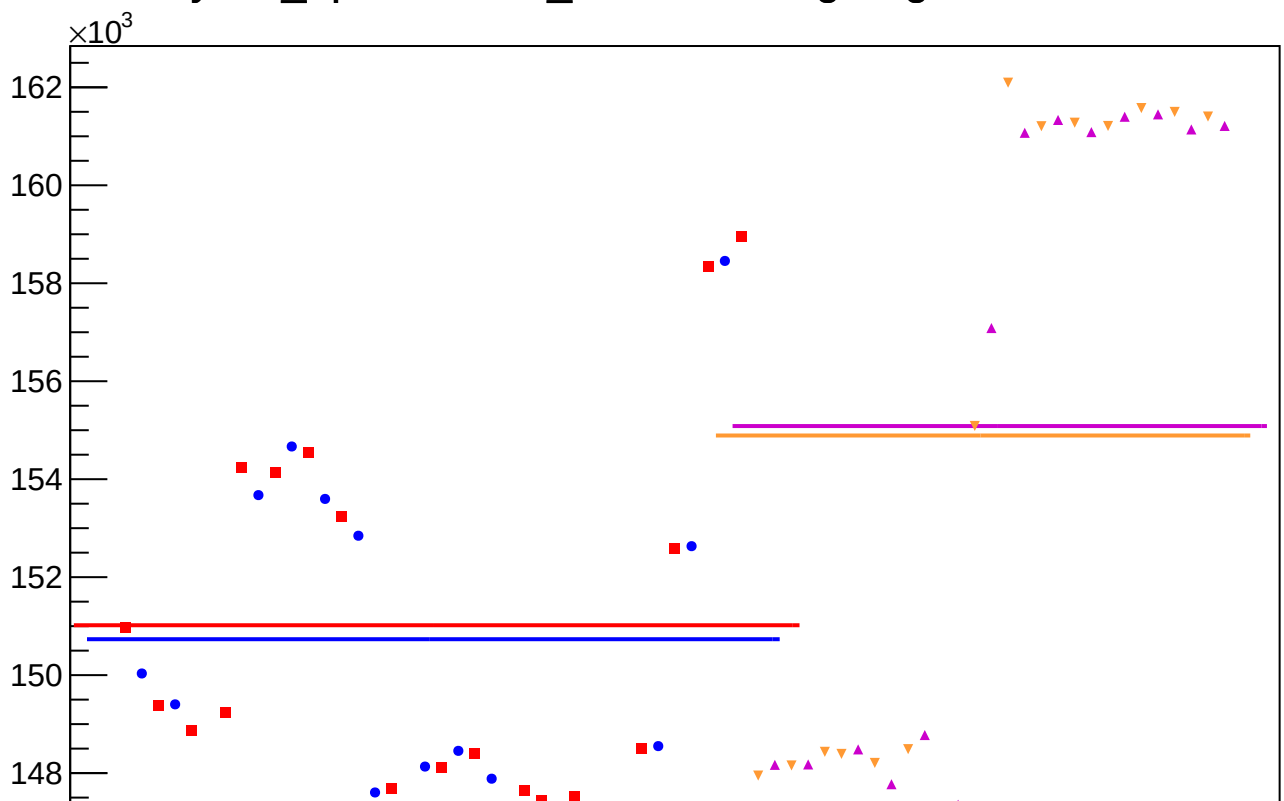
Left: 202.506+/-0.030 χ^2/NDF: 577762.0/28

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 194.325+/-0.033 χ^2/NDF:1316343.8/29

Out: 186.668+/-0.031 χ^2/NDF:1644209.5/33

All: 190.305+/-0.023 χ^2/NDF: 2988778.8/63



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154892.011+/-0.057 χ^2/NDF:12557498759.0/14

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 155084.859+/-0.059 χ^2/NDF:11185783029.8/13

Left: 154984.884+/-0.041 χ^2/NDF: 23748738689.2/

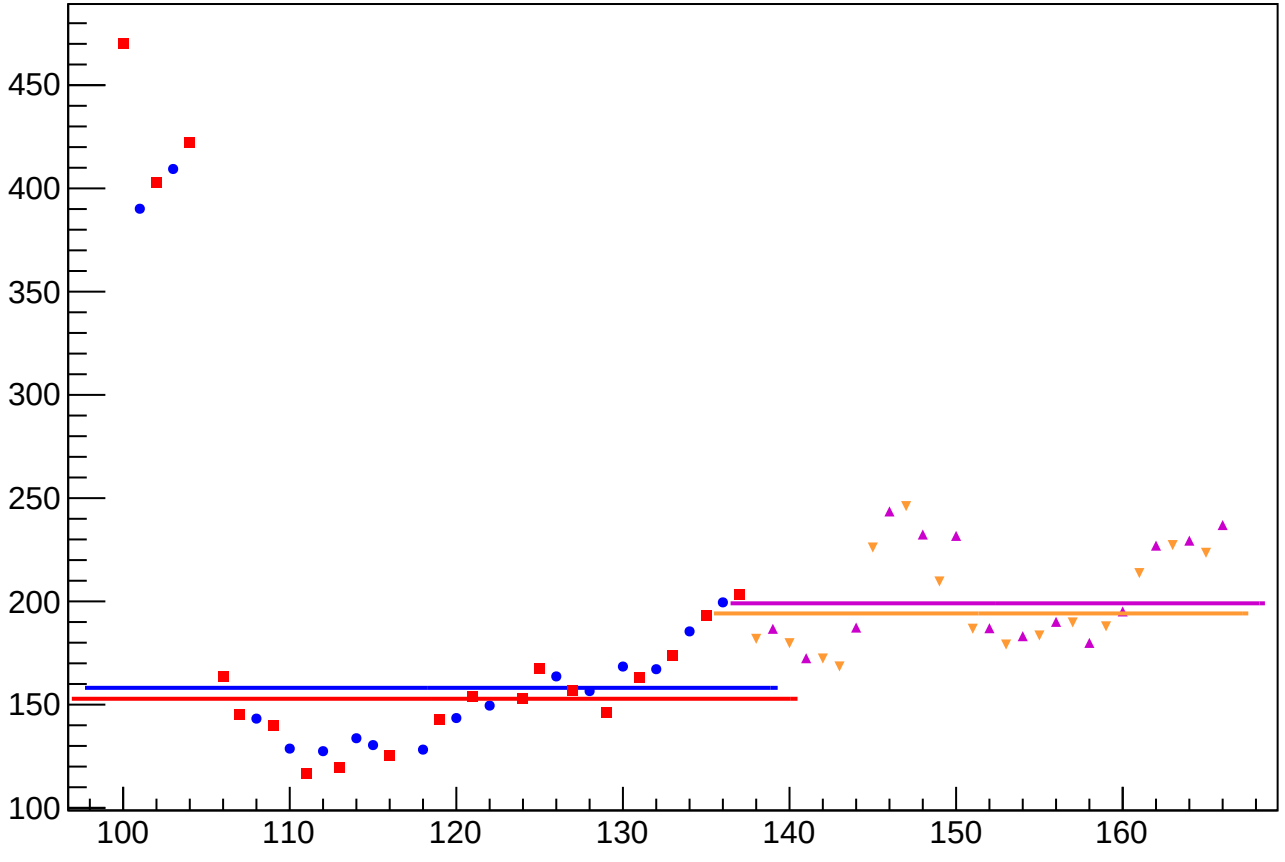
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153031.993+/-0.043 χ^2/NDF:16998011972.9/2

Out: 153046.488+/-0.041 χ^2/NDF:18021651621.6/

All: 153039.540+/-0.030 χ^2/NDF: 350197222

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 194.163+/-0.041 χ^2/NDF:274581.7/14

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 199.067+/-0.042 χ^2/NDF:302266.1/13

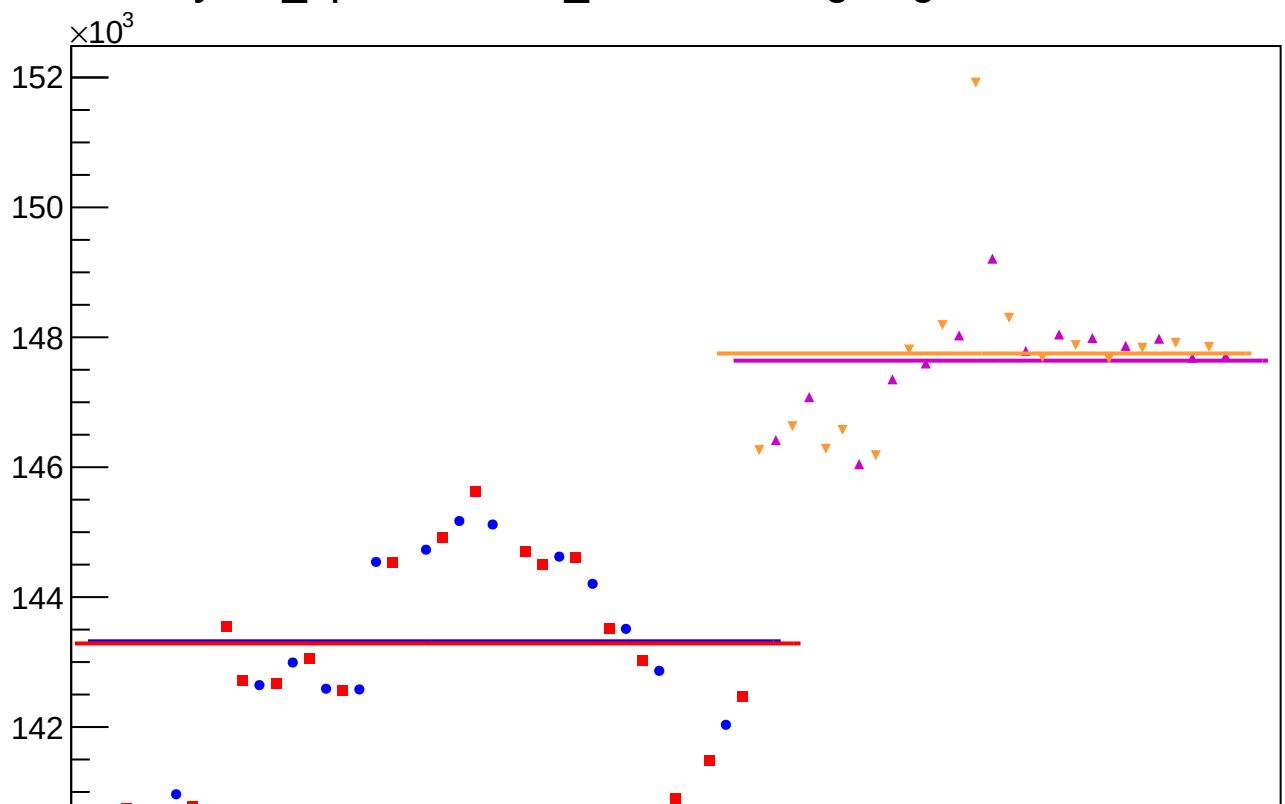
Left: 196.524+/-0.029 χ^2/NDF: 583905.7/28

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 179.758+/-0.031 χ^2/NDF:1945313.9/29

Out: 174.475+/-0.029 χ^2/NDF:2034536.9/33

All: 177.008+/-0.021 χ^2/NDF: 3995423.7/63



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147750.993+/-0.054 χ^2/NDF:670429385.0/14

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147640.695+/-0.056 χ^2/NDF:199265137.3/13

Left: 147697.664+/-0.039 χ^2/NDF: 871716519.2/28

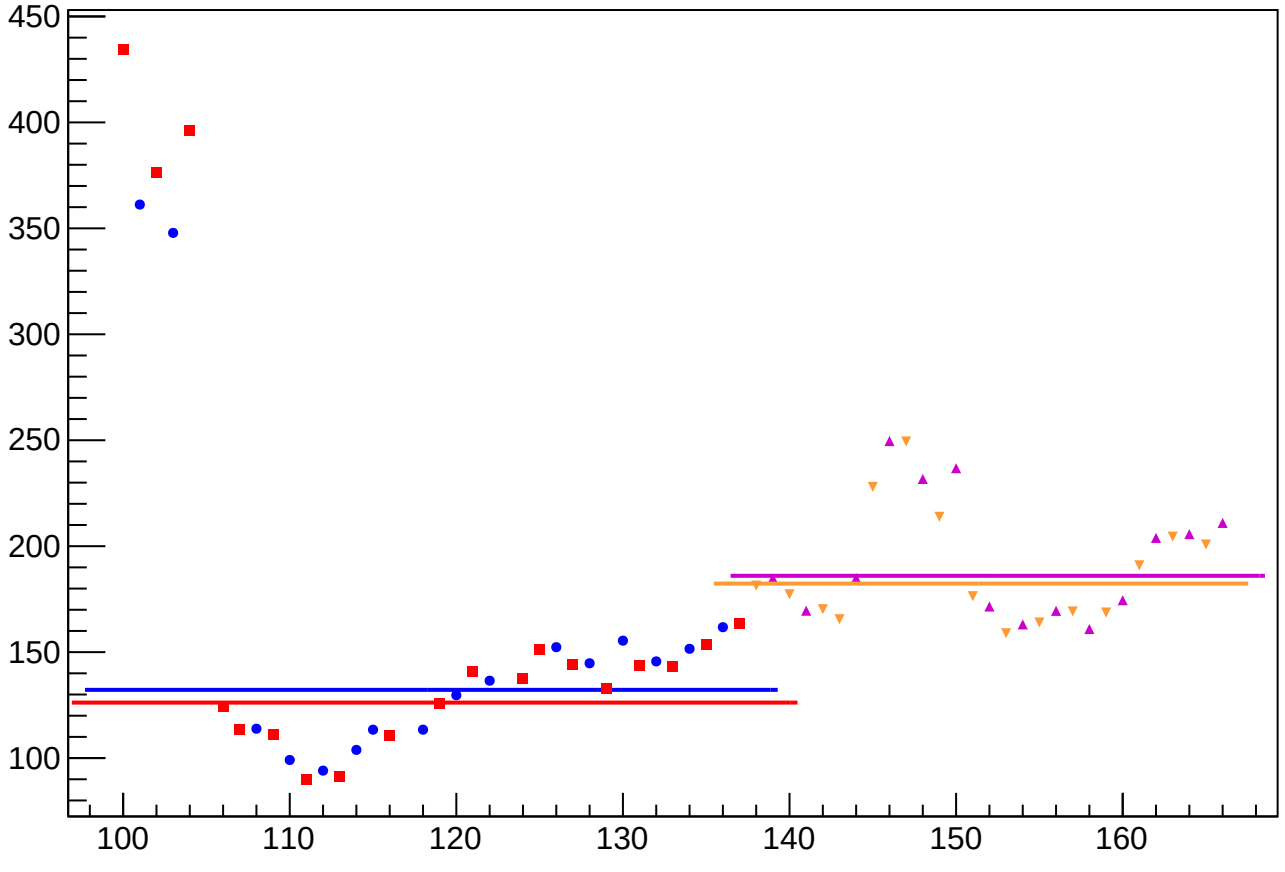
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145376.184+/-0.038 χ^2/NDF:3907316143.2/29

Out: 145337.152+/-0.037 χ^2/NDF:4995109989.6/3

All: 145355.676+/-0.026 χ^2/NDF: 89029673

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 182.355+/-0.038 χ^2/NDF:351770.0/14

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 186.028+/-0.039 χ^2/NDF:425706.1/13

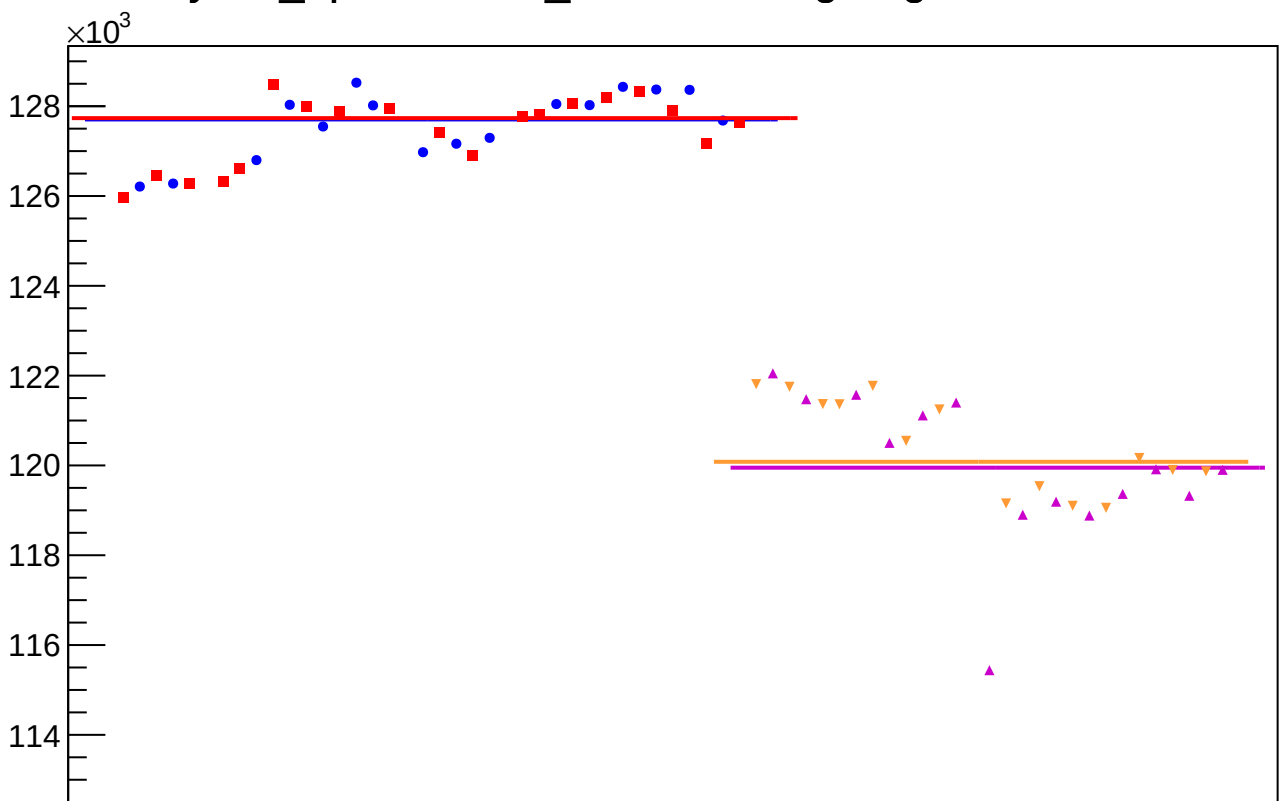
Left: 184.131+/-0.027 χ^2/NDF: 781960.9/28

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 157.821+/-0.027 χ^2/NDF:2781964.0/29

Out: 151.985+/-0.026 χ^2/NDF:3069463.0/33

All: 154.755+/-0.019 χ^2/NDF: 5875619.7/63



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120081.125+/-0.053 χ^2/NDF:1752484445.3/14

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119949.735+/-0.053 χ^2/NDF:1149244361.0/13

Left: 120014.883+/-0.037 χ^2/NDF: 2904829351.0/2

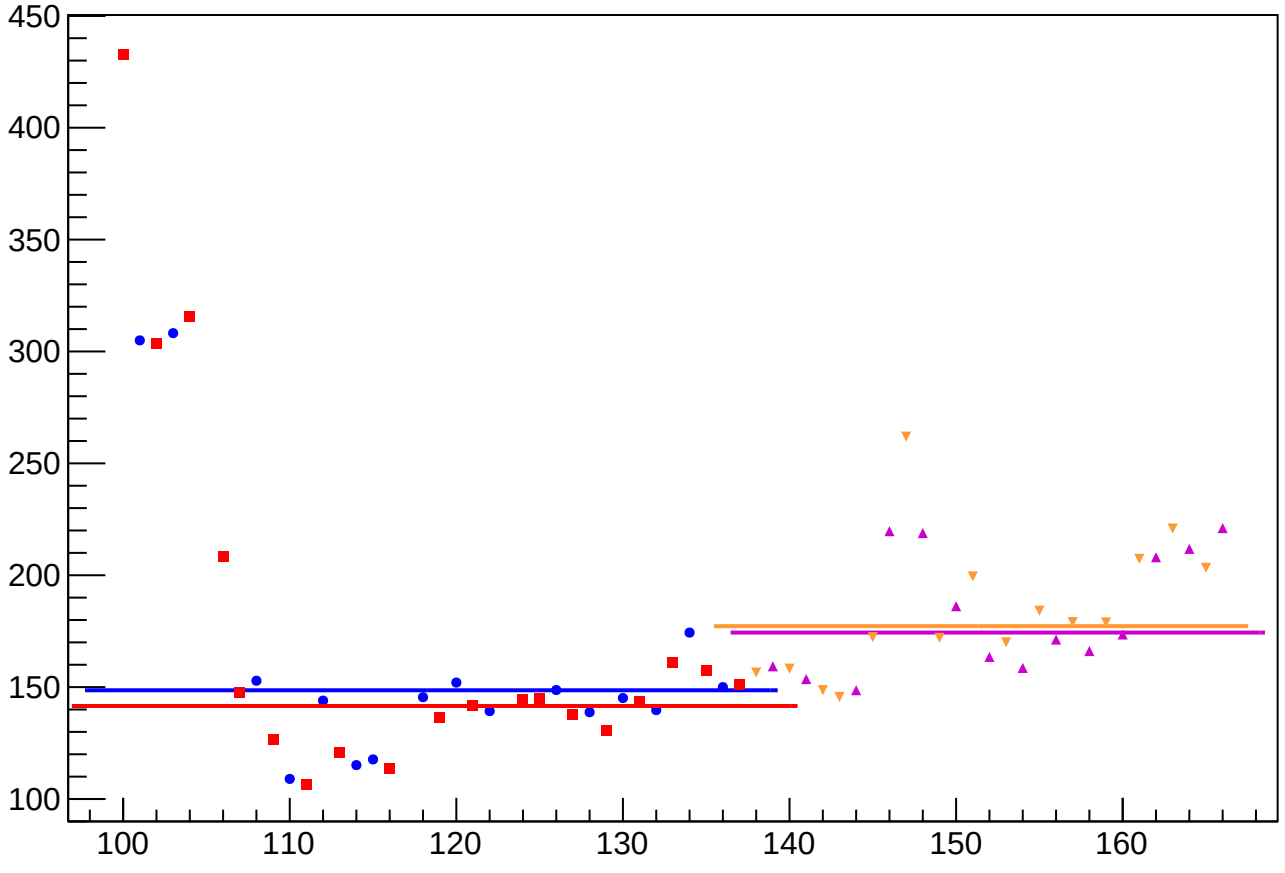
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123418.090+/-0.039 χ^2/NDF:10997085996.7/2

Out: 123770.870+/-0.038 χ^2/NDF:11921991884.9

All: 123598.761+/-0.027 χ^2/NDF: 22960842

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 177.244+/-0.037 χ^2/NDF:470703.5/14

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 174.386+/-0.037 χ^2/NDF:404265.2/13

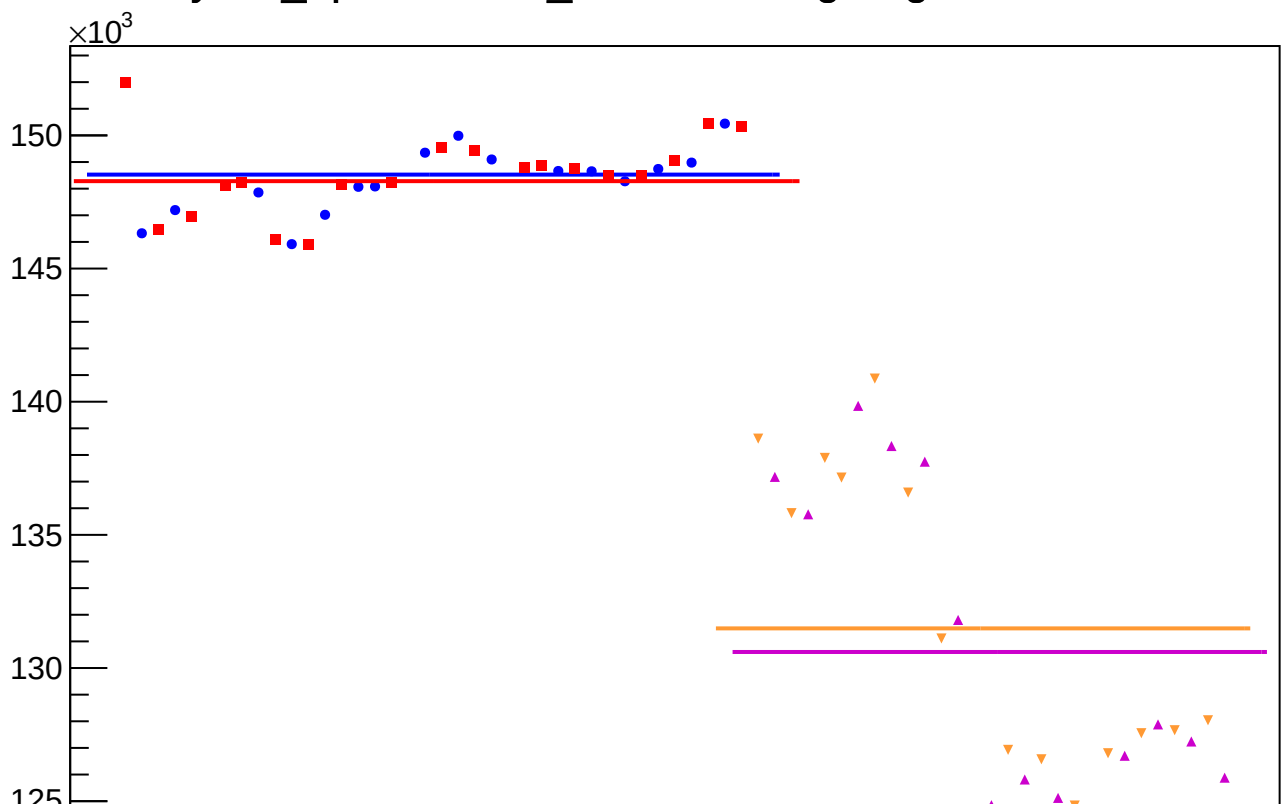
Left: 175.803+/-0.026 χ^2/NDF: 877901.8/28

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 162.851+/-0.028 χ^2/NDF:1447508.1/29

Out: 160.042+/-0.027 χ^2/NDF:1909233.9/33

All: 161.412+/-0.019 χ^2/NDF: 3362038.7/63



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131488.265+/-0.076 χ^2/NDF:5098087271.5/14

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130602.397+/-0.076 χ^2/NDF:5549033460.8/13

Left: 131044.458+/-0.054 χ^2/NDF: 10714565171.5

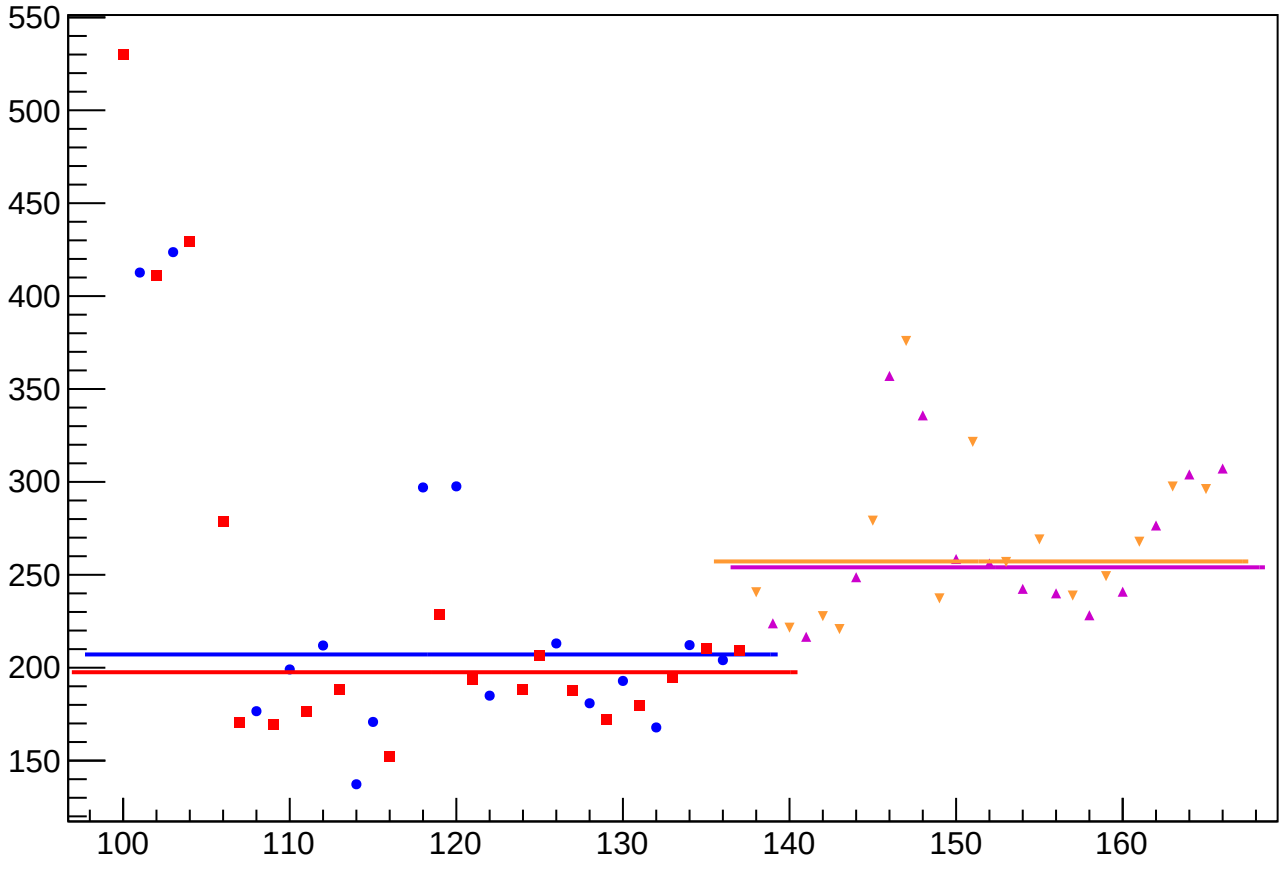
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 138915.187+/-0.056 χ^2/NDF:31421272233.6/2

Out: 139857.098+/-0.054 χ^2/NDF:29502638855.8

All: 139400.907+/-0.039 χ^2/NDF: 61070844

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 257.192+/-0.054 χ^2/NDF:424043.9/14

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.032+/-0.054 χ^2/NDF:438557.3/13

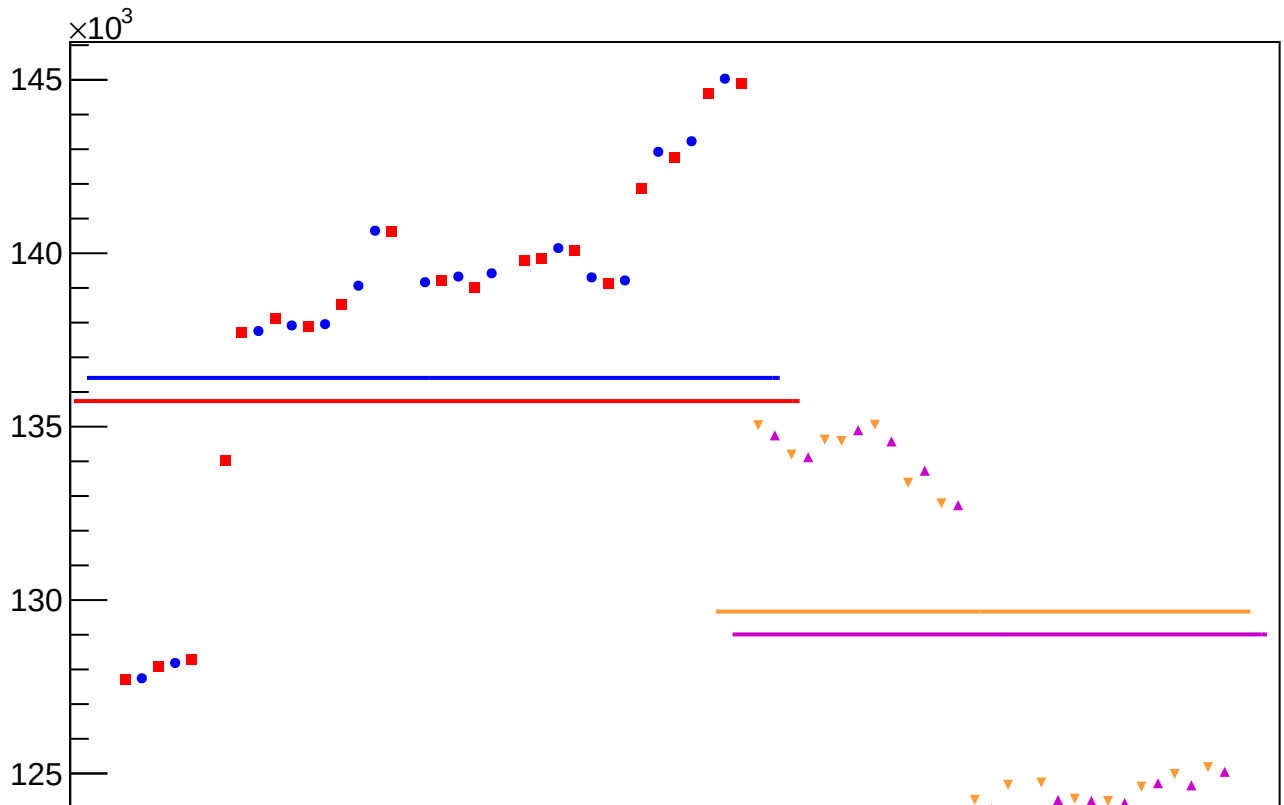
Left: 255.609+/-0.038 χ^2/NDF: 864317.8/28

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 232.284+/-0.039 χ^2/NDF:1762092.3/29

Out: 227.481+/-0.038 χ^2/NDF:1935806.4/33

All: 229.807+/-0.027 χ^2/NDF: 3705538.2/63



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129668.254+/-0.176 χ^2/NDF:792093693.8/14

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129009.610+/-0.182 χ^2/NDF:747482868.5/13

Left: 129350.228+/-0.126 χ^2/NDF: 1546353301.3/2

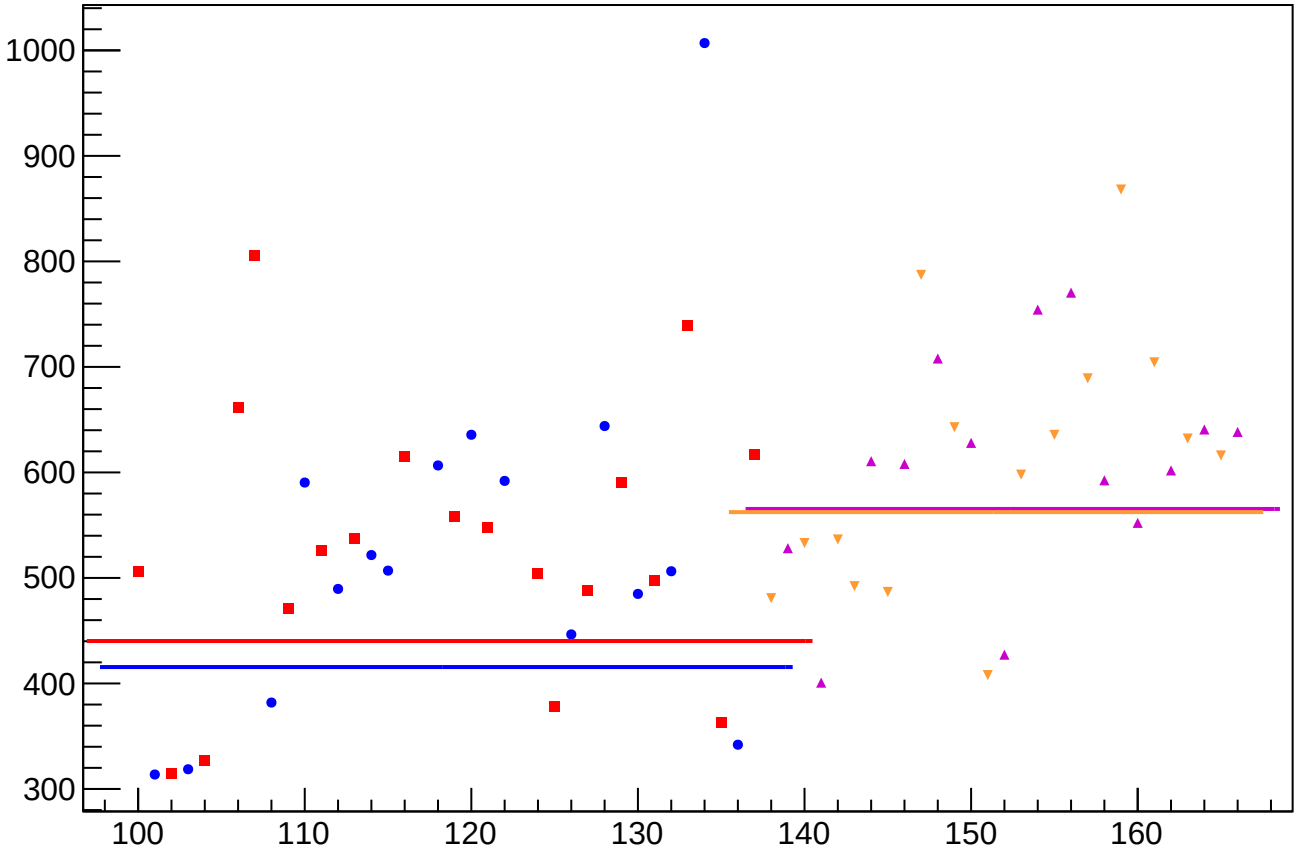
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132990.064+/-0.124 χ^2/NDF:3213979954.9/29

Out: 132688.512+/-0.125 χ^2/NDF:2559349899.8/3

All: 132840.456+/-0.088 χ^2/NDF: 57762801

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 562.381+/-0.124 χ^2/NDF:804524.8/14

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 565.374+/-0.129 χ^2/NDF:714668.4/13

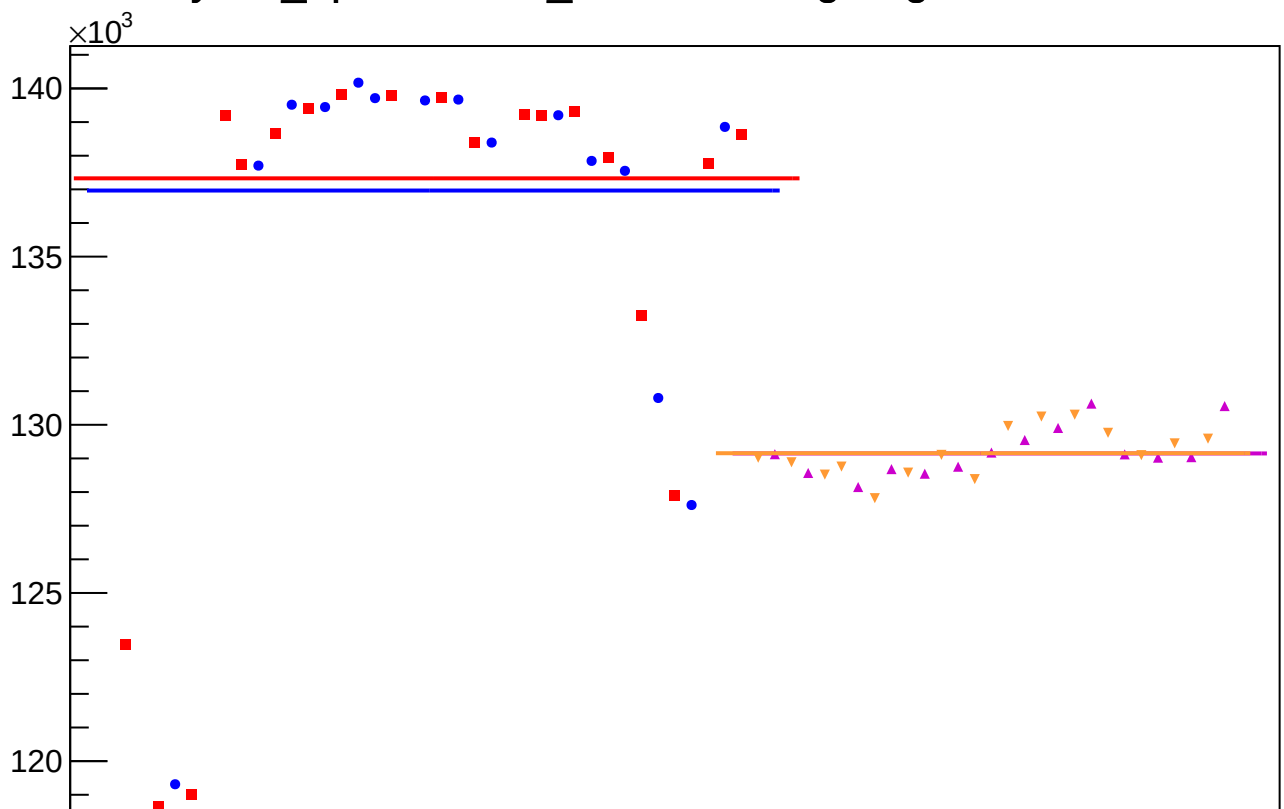
Left: 563.826+/-0.089 χ^2/NDF: 1519473.0/28

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 484.753+/-0.087 χ^2/NDF:2476007.9/29

Out: 501.598+/-0.088 χ^2/NDF:2195782.2/33

All: 493.110+/-0.062 χ^2/NDF: 4690202.0/63



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129154.909+/-0.056 χ^2/NDF:149831588.7/14

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129148.292+/-0.057 χ^2/NDF:148170238.7/13

Left: 129151.647+/-0.040 χ^2/NDF: 298008611.5/28

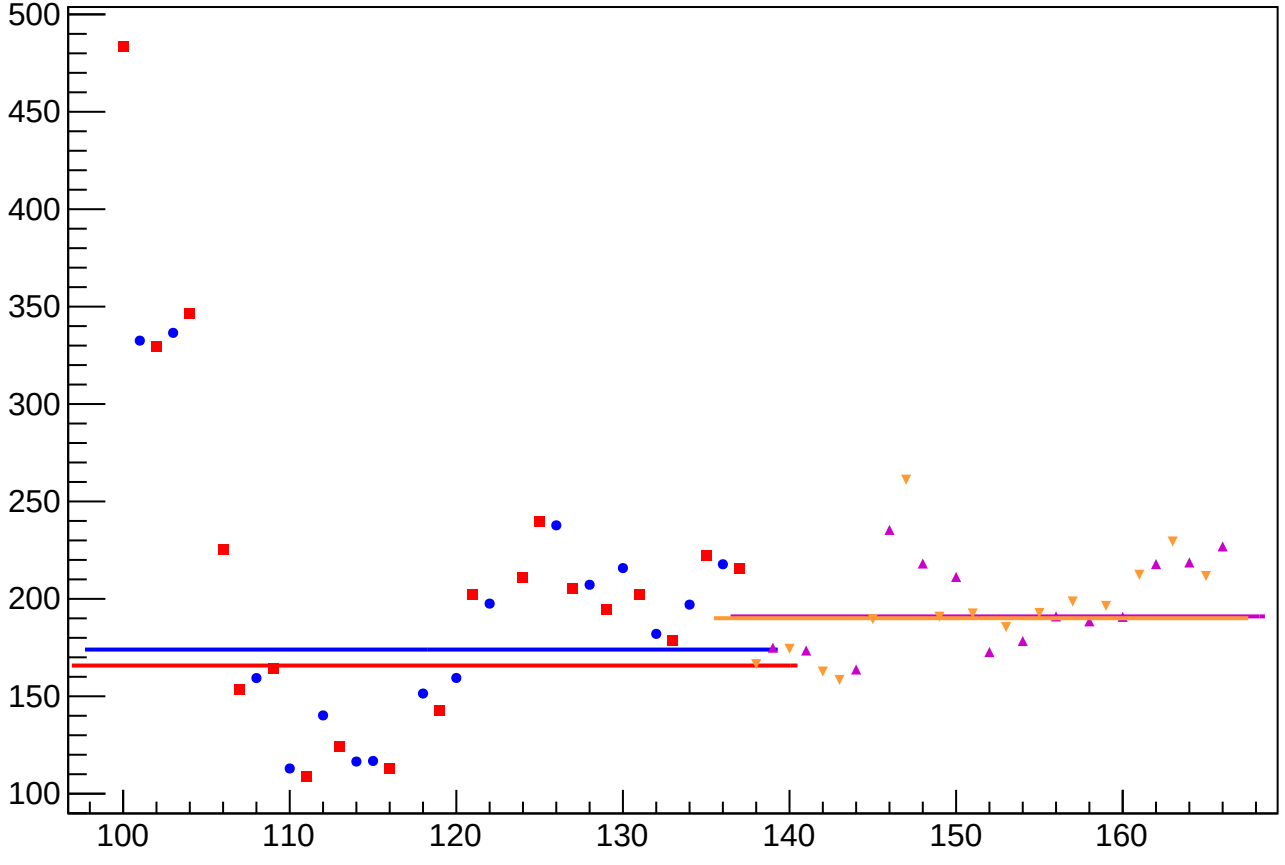
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 132293.446+/-0.044 χ^2/NDF:13466511823.3/2

Out: 132627.077+/-0.043 χ^2/NDF:14806445462.1

All: 132465.829+/-0.031 χ^2/NDF: 28302356

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 190.073+/-0.040 χ^2/NDF:337835.9/14

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 190.997+/-0.040 χ^2/NDF:283978.5/13

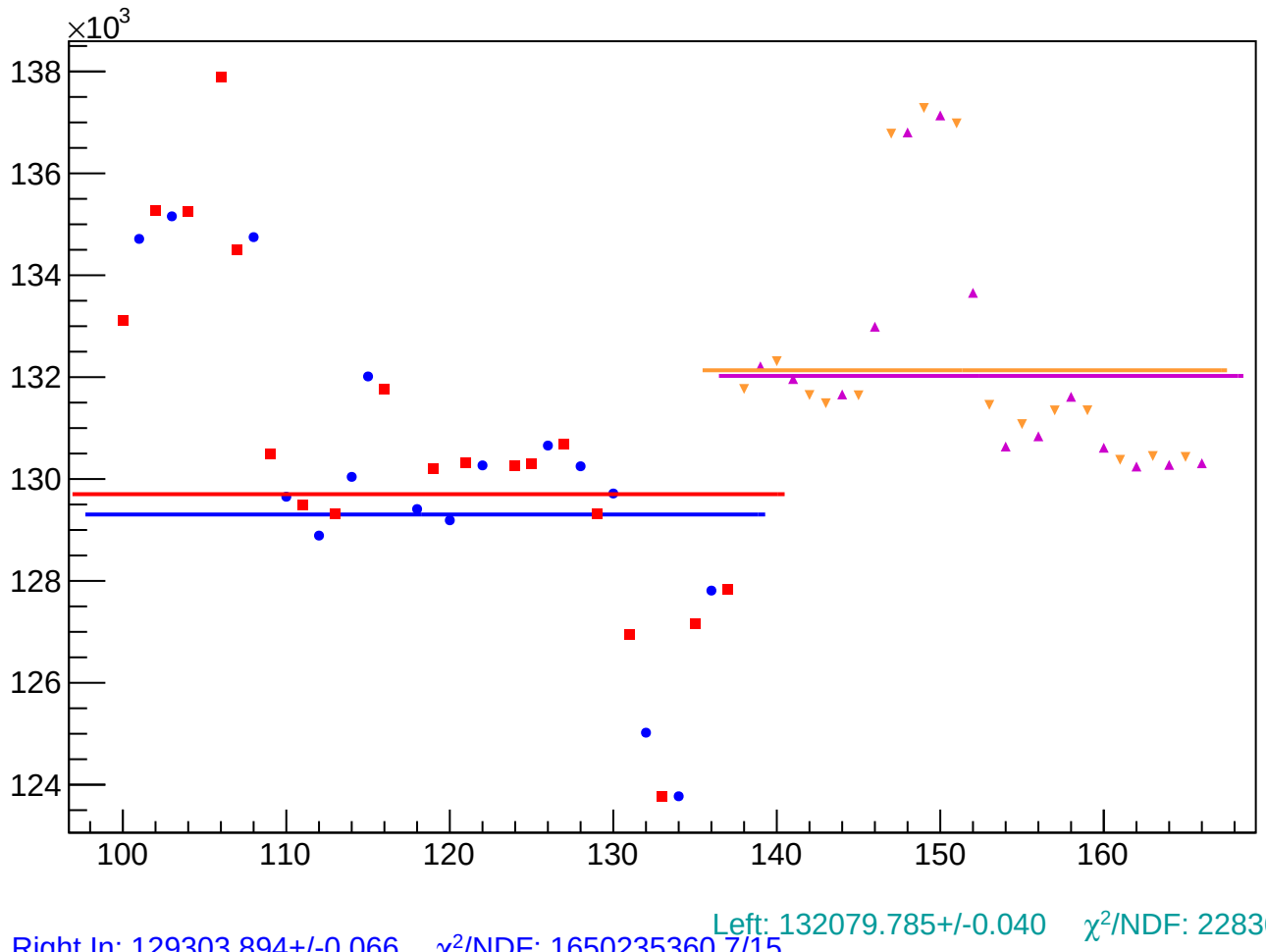
Left: 190.528+/-0.028 χ^2/NDF: 622079.1/28

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 184.151+/-0.031 χ^2/NDF:1543649.4/29

Out: 179.752+/-0.030 χ^2/NDF:1928602.4/33

All: 181.878+/-0.022 χ^2/NDF: 3482472.4/63



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132134.783+/-0.057 χ^2/NDF:1257292201.0/14

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132023.592+/-0.058 χ^2/NDF:1024478591.9/13

Left: 132079.785+/-0.040 χ^2/NDF: 2283659873.2/2

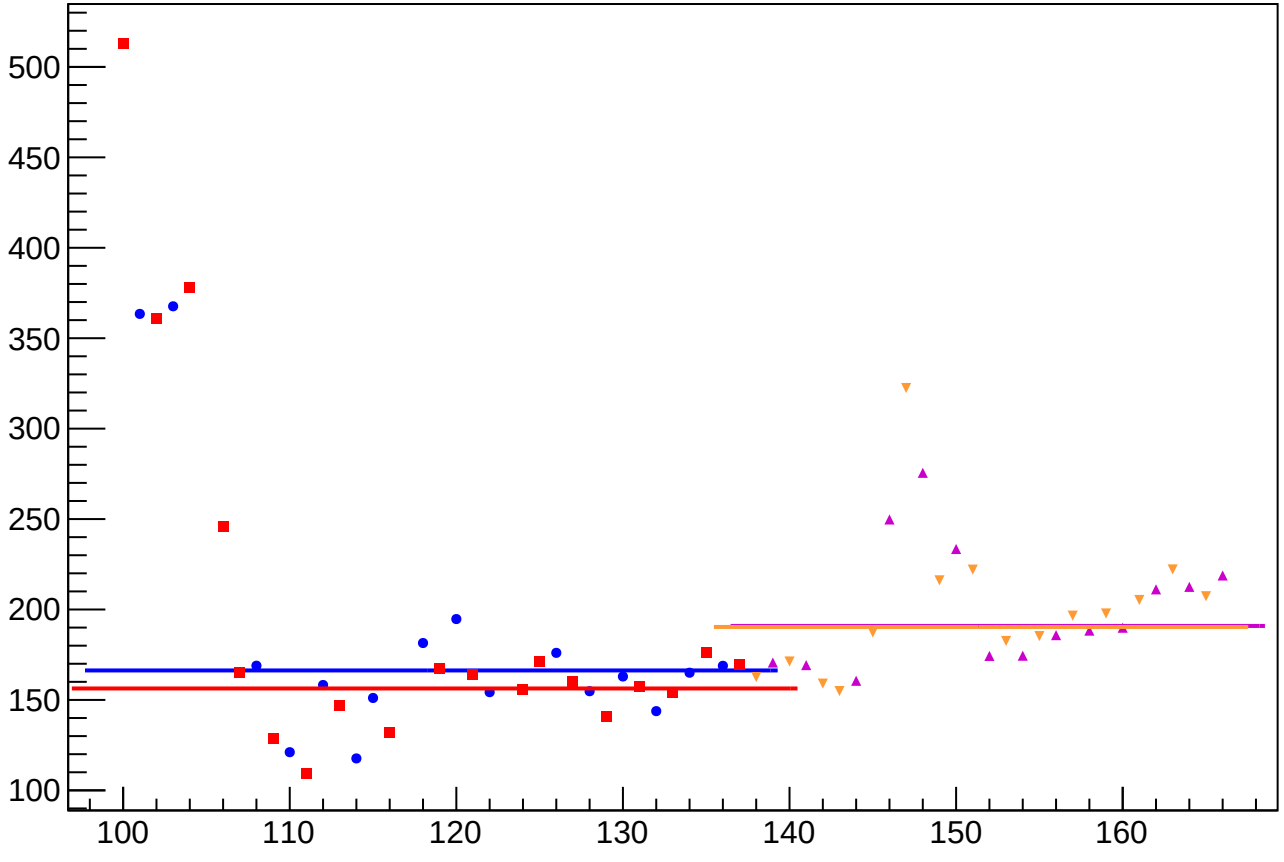
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130853.853+/-0.043 χ^2/NDF:3636573600.5/29

Out: 131013.950+/-0.042 χ^2/NDF:3877146129.6/3

All: 130936.978+/-0.030 χ^2/NDF: 75207799

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 190.354+/-0.040 χ^2/NDF:568242.9/14

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 190.905+/-0.041 χ^2/NDF:500089.7/13

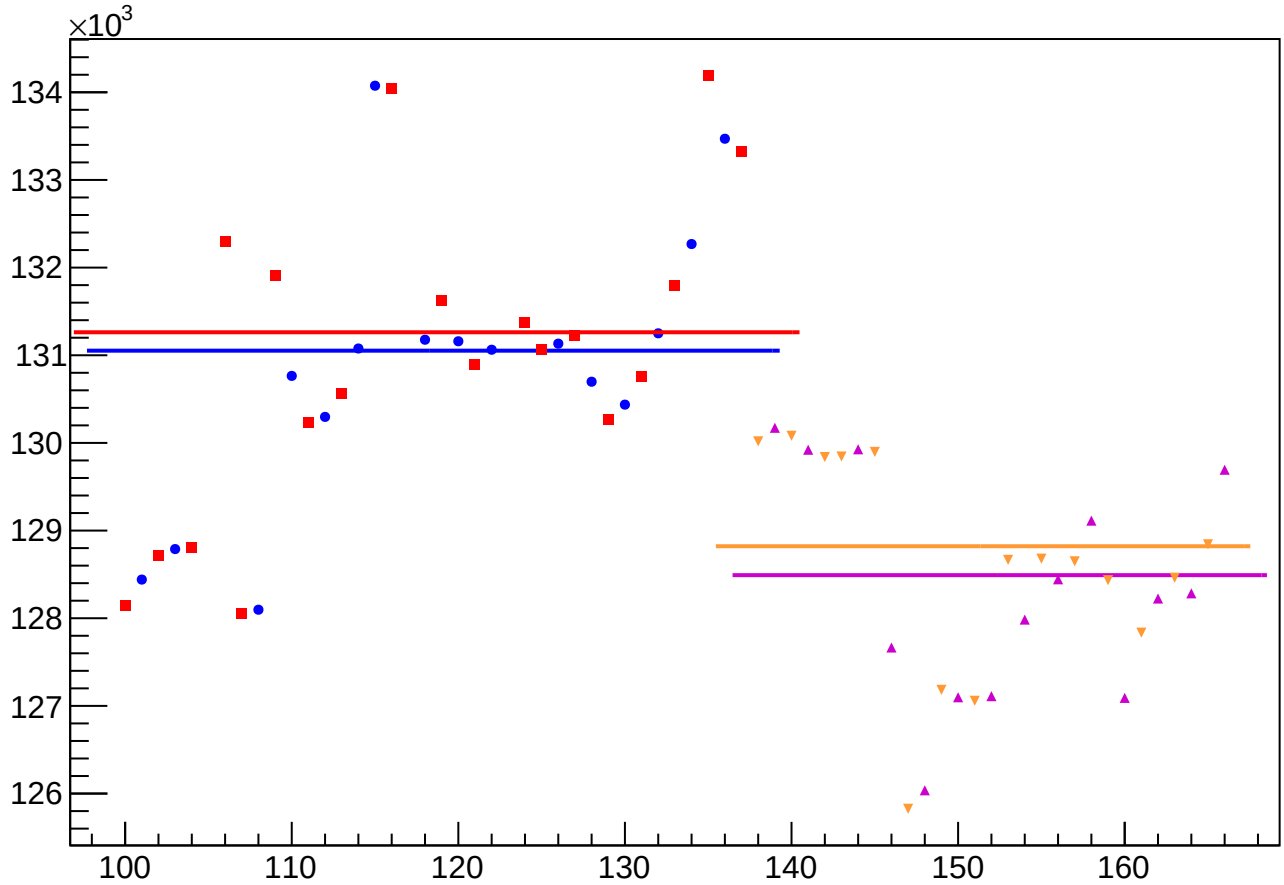
Left: 190.626+/-0.029 χ^2/NDF: 1068425.3/28

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

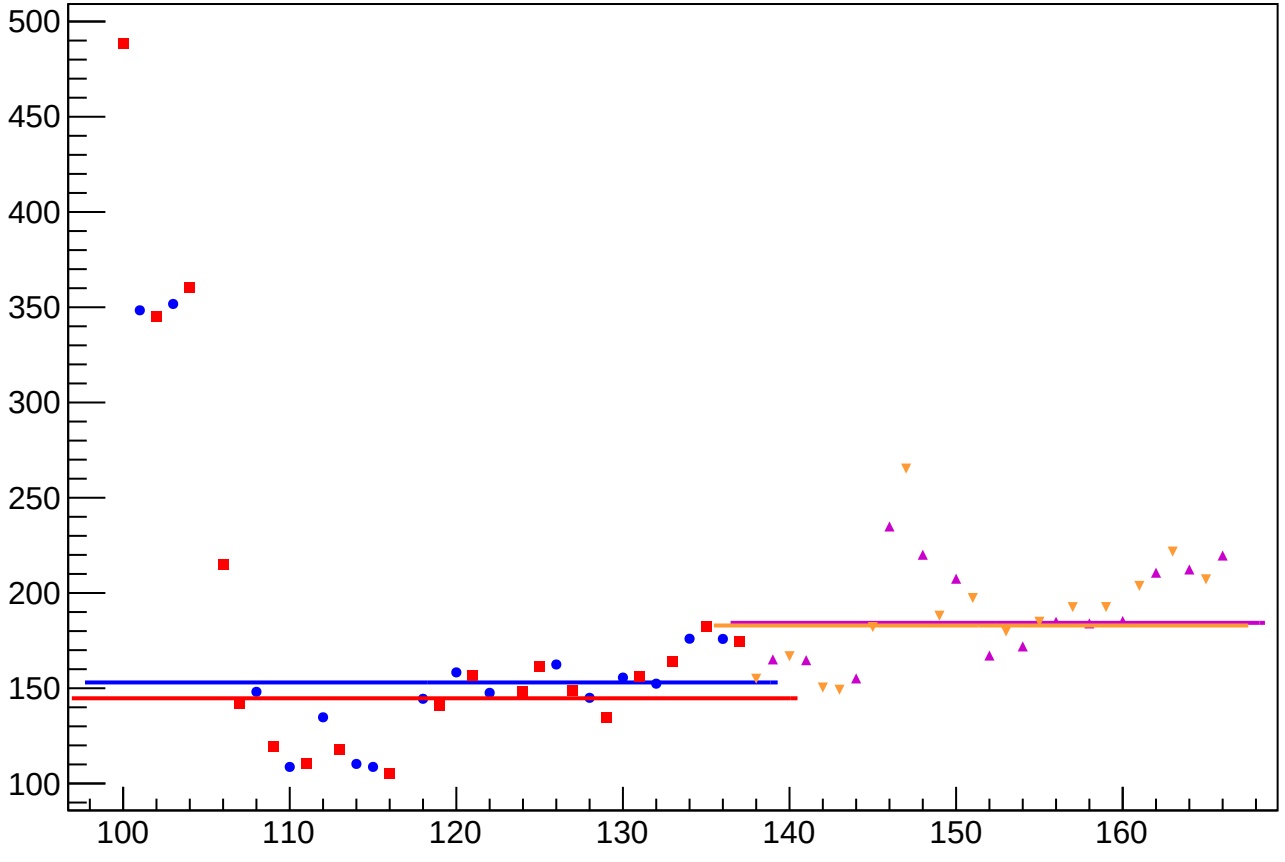
In: 180.323+/-0.031 χ^2/NDF:1595455.2/29

Out: 174.677+/-0.030 χ^2/NDF:2070587.3/33

All: 177.391+/-0.021 χ^2/NDF: 3683608.6/63


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128821.195+/-0.054 χ²/NDF:434556982.3/14
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128491.557+/-0.055 χ²/NDF:519666046.0/13
Left: 128659.014+/-0.039 χ²/NDF: 972285025.6/28
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129653.881+/-0.041 χ²/NDF:2017332564.3/29
Out: 129992.075+/-0.039 χ²/NDF:2004474813.2/3
All: 129829.770+/-0.028 χ²/NDF: 40574476

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 182.942+/-0.038 χ^2/NDF:446565.9/14

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 184.331+/-0.039 χ^2/NDF:357355.5/13

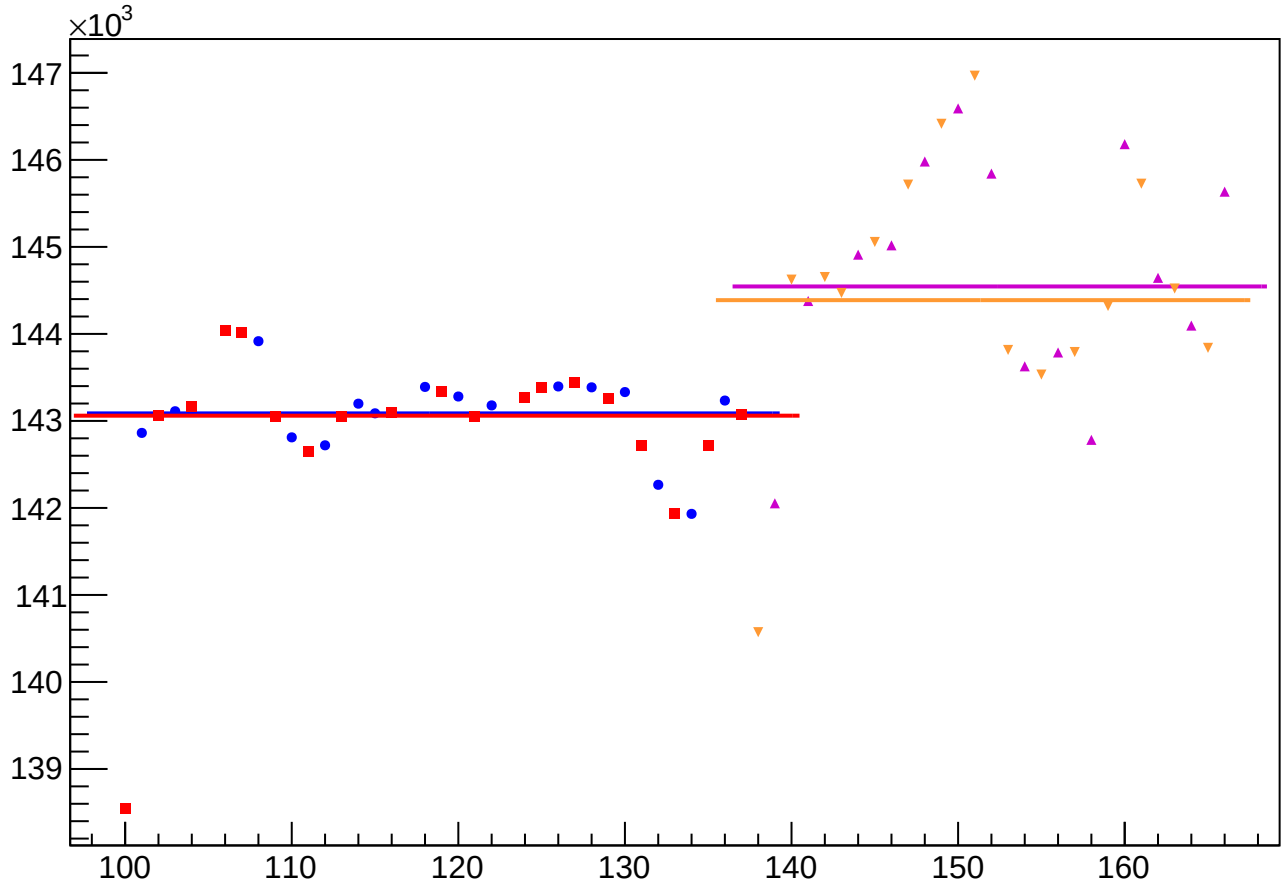
Left: 183.626+/-0.027 χ^2/NDF: 804562.8/28

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 170.130+/-0.029 χ^2/NDF:1707608.5/29

Out: 164.613+/-0.028 χ^2/NDF:2183236.1/33

All: 167.261+/-0.020 χ^2/NDF: 3909810.1/63



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144387.922+/-0.063 χ^2/NDF:598259464.4/14

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144545.410+/-0.063 χ^2/NDF:440338871.7/13

Left: 144466.093+/-0.045 χ^2/NDF: 1041701783.9/2

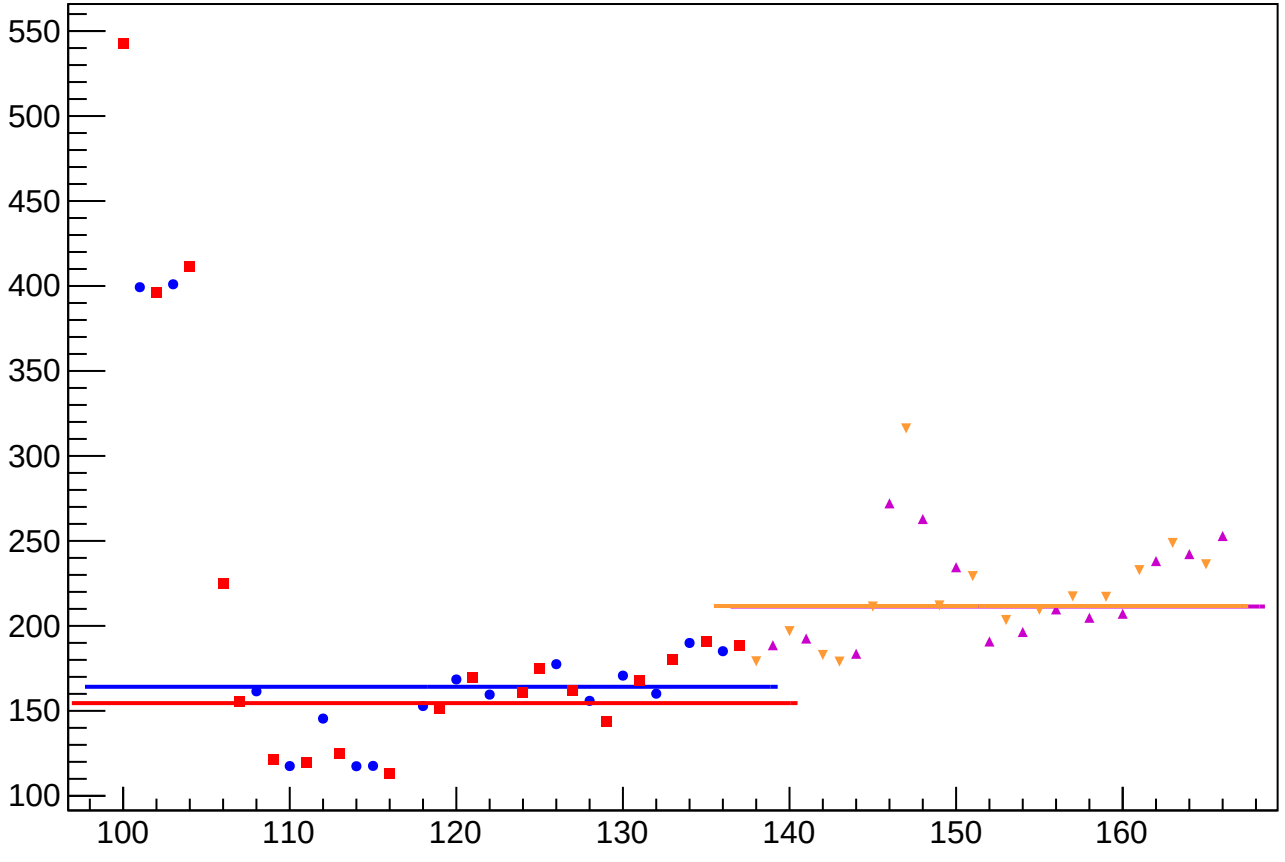
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143834.558+/-0.045 χ^2/NDF:744723894.1/29

Out: 143699.109+/-0.044 χ^2/NDF:880511387.9/33

All: 143764.190+/-0.031 χ^2/NDF: 16298534

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 211.685+/-0.045 χ^2/NDF:388525.7/14

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 211.396+/-0.045 χ^2/NDF:349153.2/13

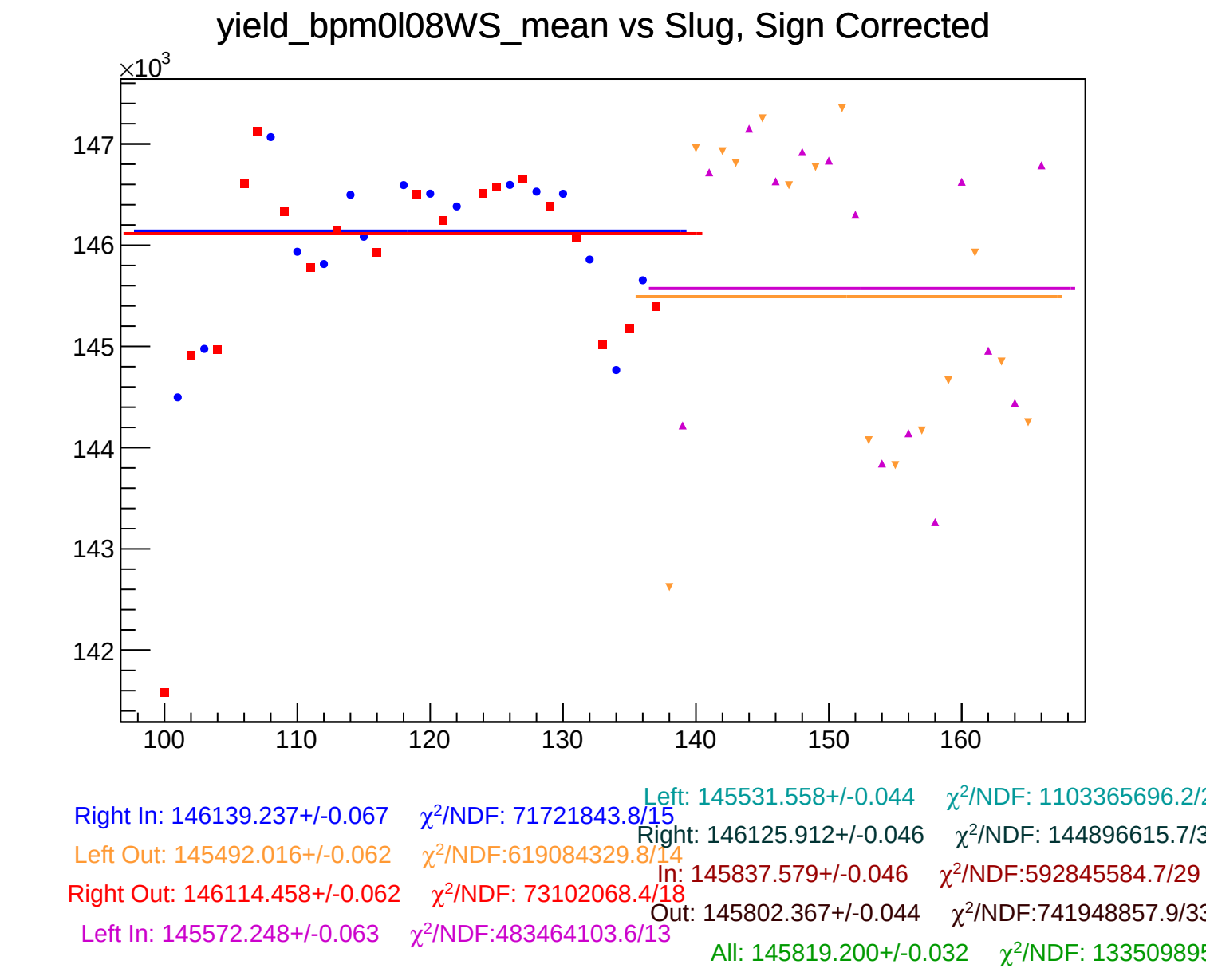
Left: 211.541+/-0.032 χ^2/NDF: 737699.8/28

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

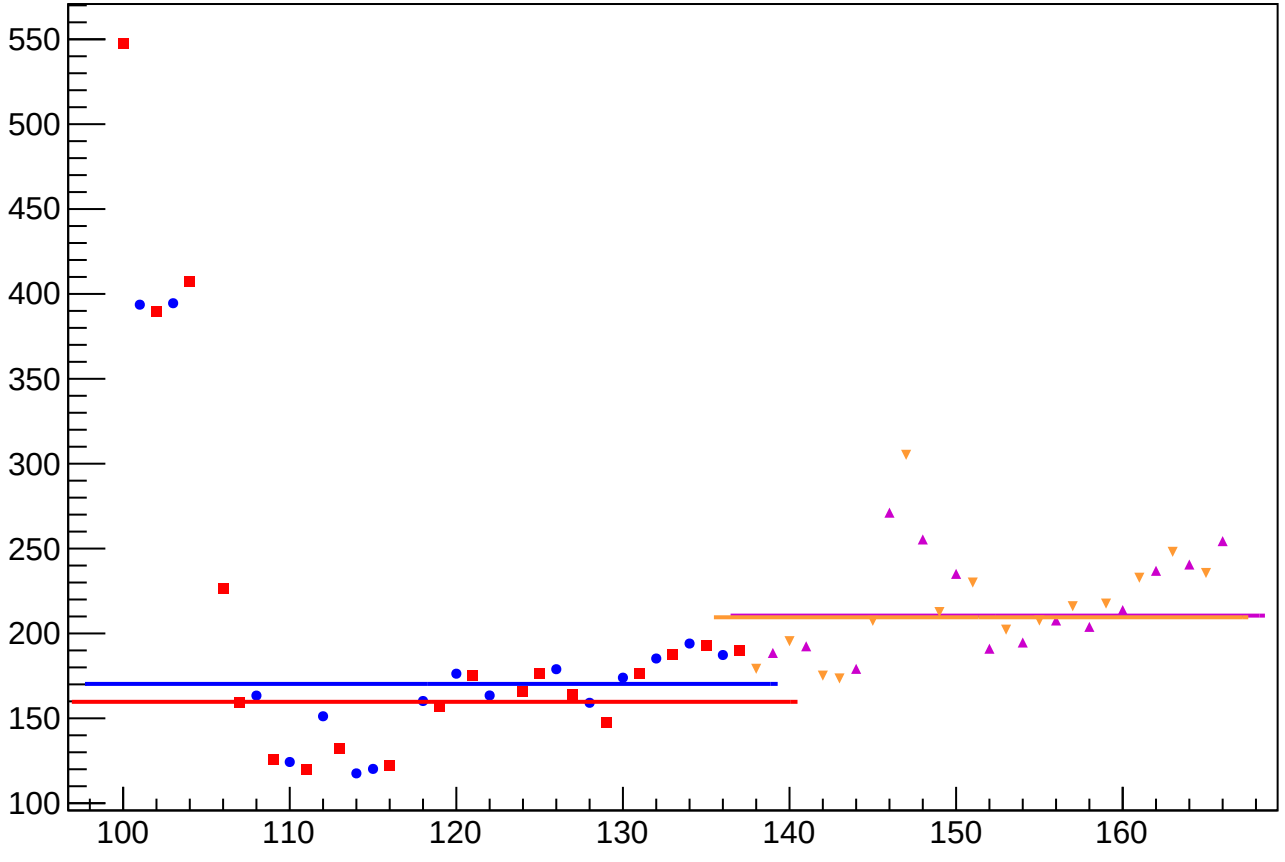
In: 188.384+/-0.032 χ^2/NDF:2018953.2/29

Out: 182.046+/-0.031 χ^2/NDF:2609009.5/33

All: 185.091+/-0.022 χ^2/NDF: 4648182.7/63


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
160
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145492.016+/-0.062 χ²/NDF:619084329.8/14
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145572.248+/-0.063 χ²/NDF:483464103.6/13
Left: 145531.558+/-0.044 χ²/NDF: 1103365696.2/2
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145837.579+/-0.046 χ²/NDF:592845584.7/29
Out: 145802.367+/-0.044 χ²/NDF:741948857.9/33
All: 145819.200+/-0.032 χ²/NDF: 13350989

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 209.520+/-0.044 χ^2/NDF:403788.2/14

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 210.507+/-0.045 χ^2/NDF:351245.8/13

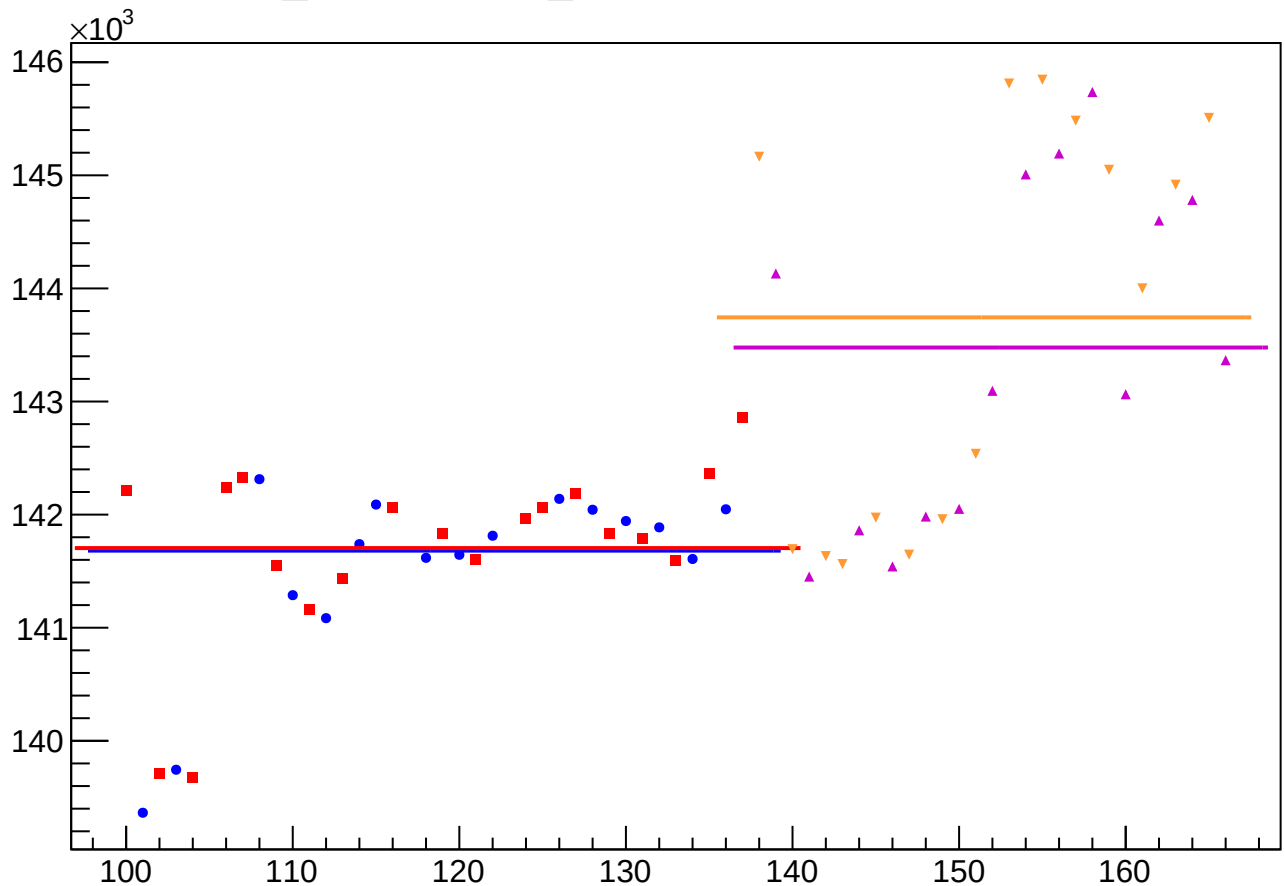
Left: 210.006+/-0.031 χ^2/NDF: 755281.1/28

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 191.681+/-0.033 χ^2/NDF:1788025.9/29

Out: 184.692+/-0.031 χ^2/NDF:2332050.4/33

All: 188.033+/-0.023 χ^2/NDF: 4144074.8/63



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143744.014+/-0.066 χ^2/NDF:691952787.4/14

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143477.392+/-0.066 χ^2/NDF:486408974.3/13

Left: 143610.833+/-0.047 χ^2/NDF: 1186558692.8/2

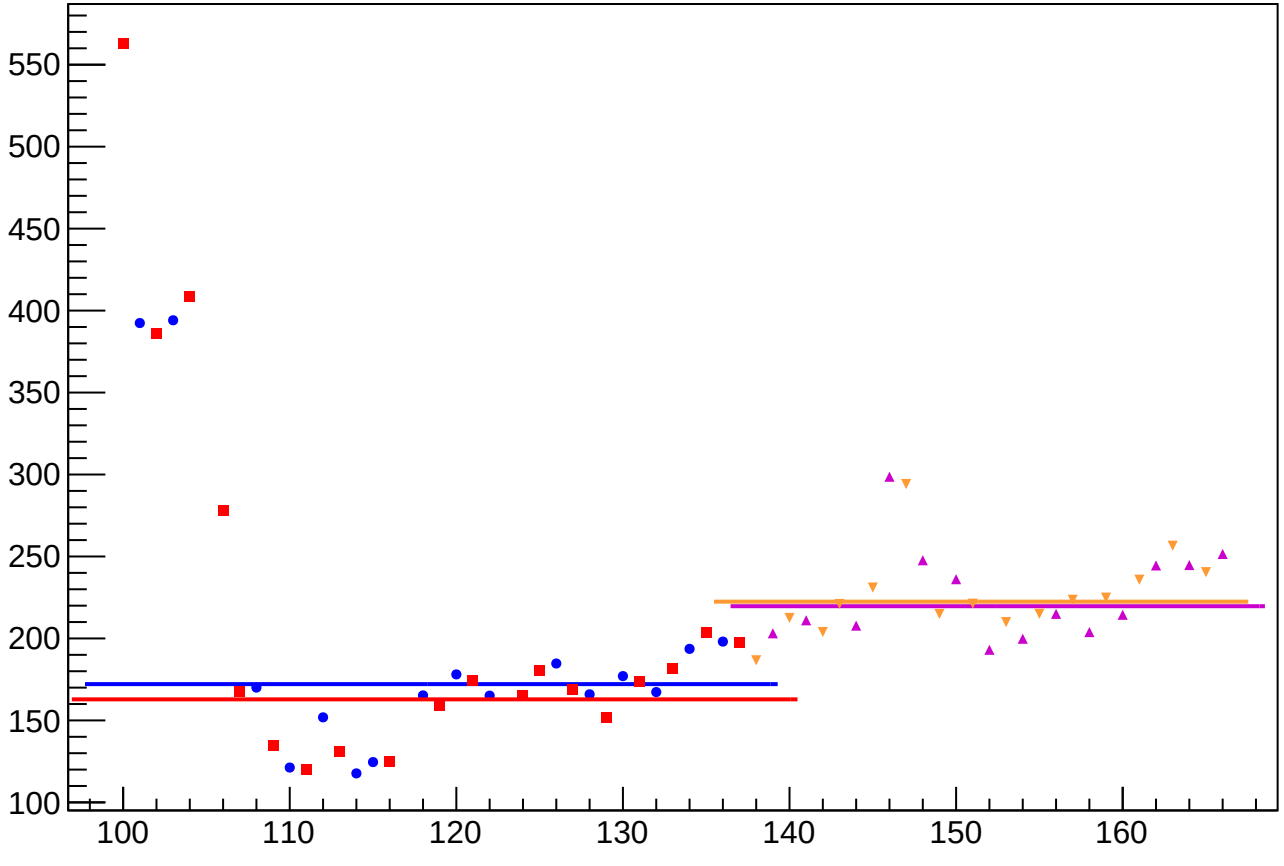
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142611.565+/-0.047 χ^2/NDF:908873211.8/29

Out: 142692.252+/-0.046 χ^2/NDF:1252731245.4/3

All: 142653.293+/-0.033 χ^2/NDF: 216310251

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 222.449+/-0.047 χ^2/NDF:217687.2/14

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 219.662+/-0.047 χ^2/NDF:278120.2/13

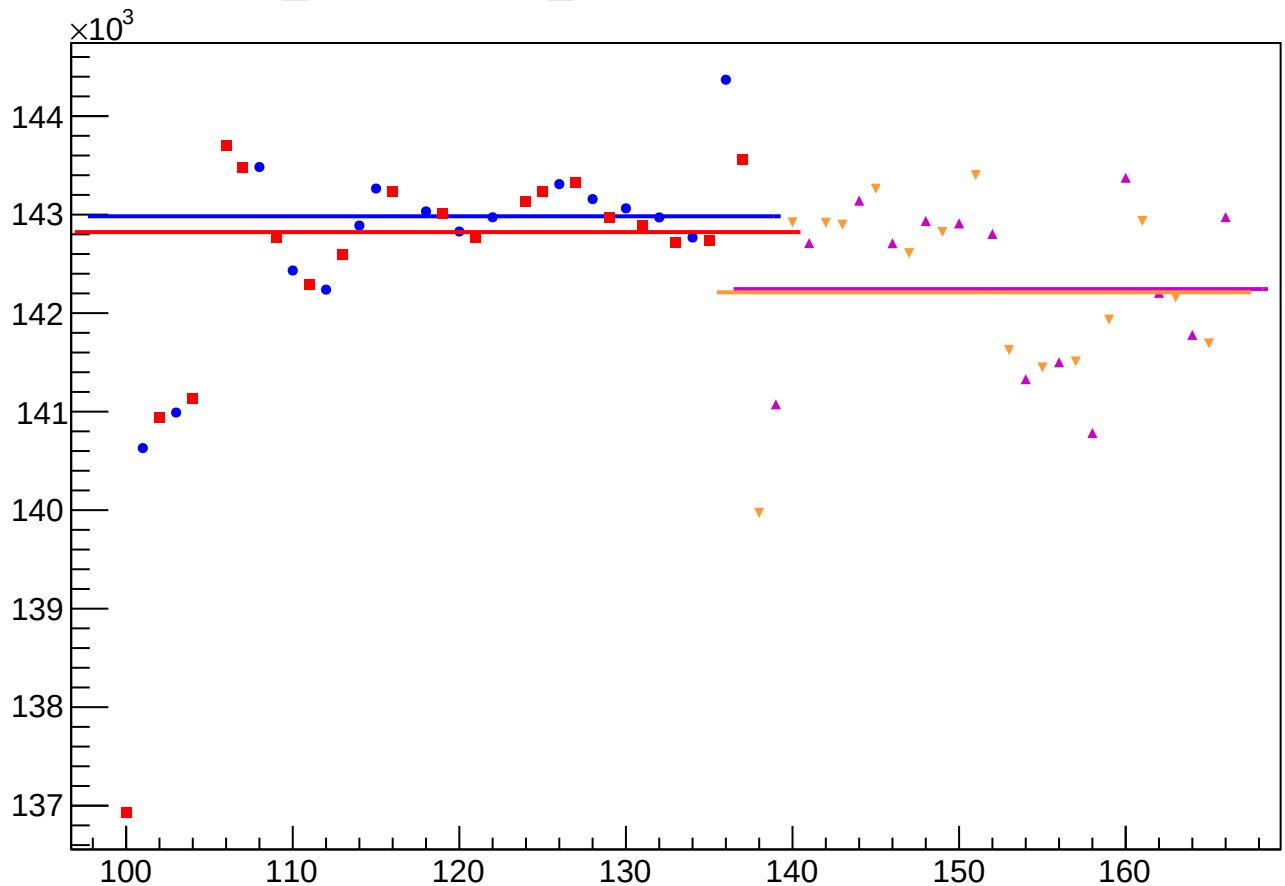
Left: 221.057+/-0.033 χ^2/NDF: 497598.8/28

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 196.746+/-0.034 χ^2/NDF:1848524.1/29

Out: 191.716+/-0.032 χ^2/NDF:2369271.2/33

All: 194.145+/-0.023 χ^2/NDF: 4229437.8/63



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142211.212+/-0.061 χ^2/NDF:250401404.8/14

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142244.059+/-0.062 χ^2/NDF:195560966.4/13

Left: 142227.415+/-0.043 χ^2/NDF: 446105587.9/28

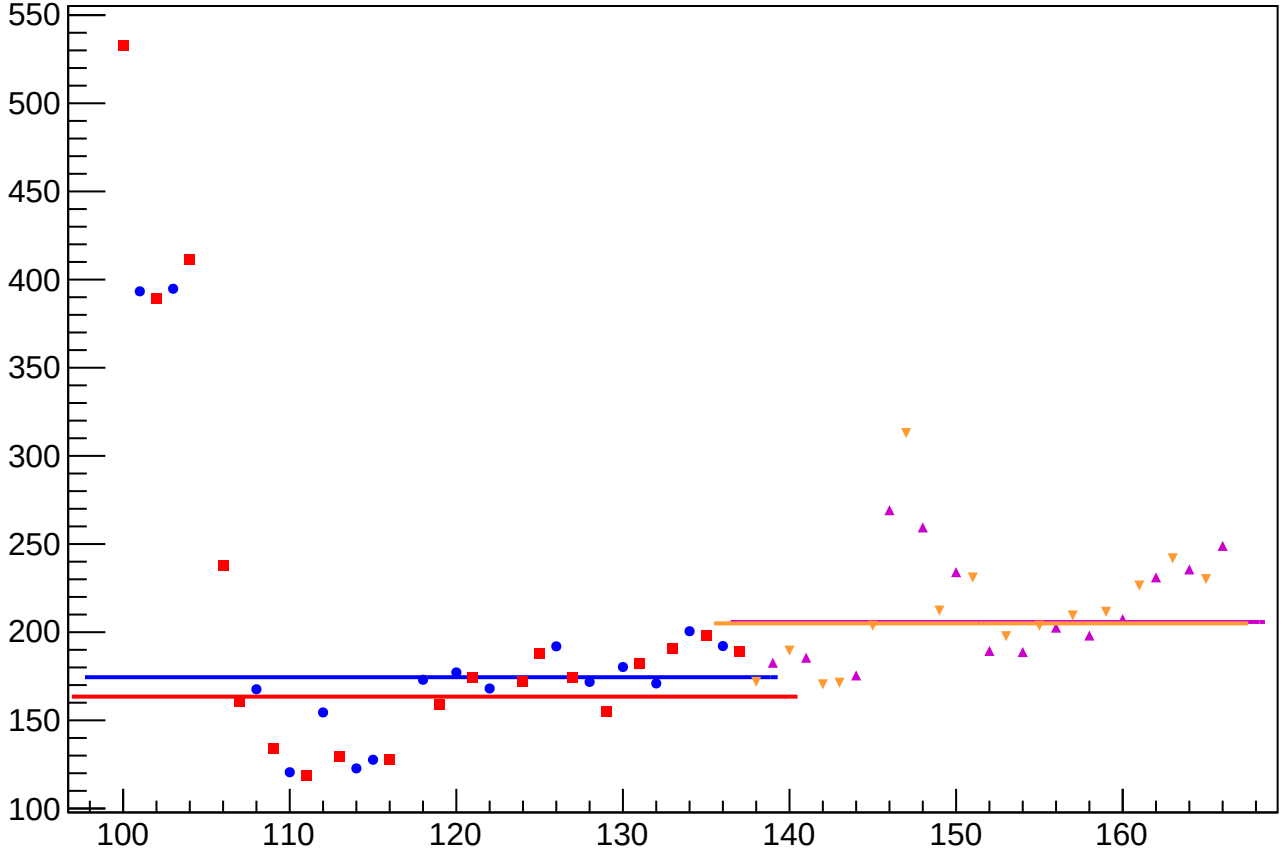
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142572.299+/-0.046 χ^2/NDF:366798677.4/29

Out: 142501.959+/-0.044 χ^2/NDF:361823845.8/33

All: 142535.641+/-0.032 χ^2/NDF: 729837882

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 204.993+/-0.043 χ^2/NDF:452944.3/14

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 205.806+/-0.044 χ^2/NDF:393743.8/13

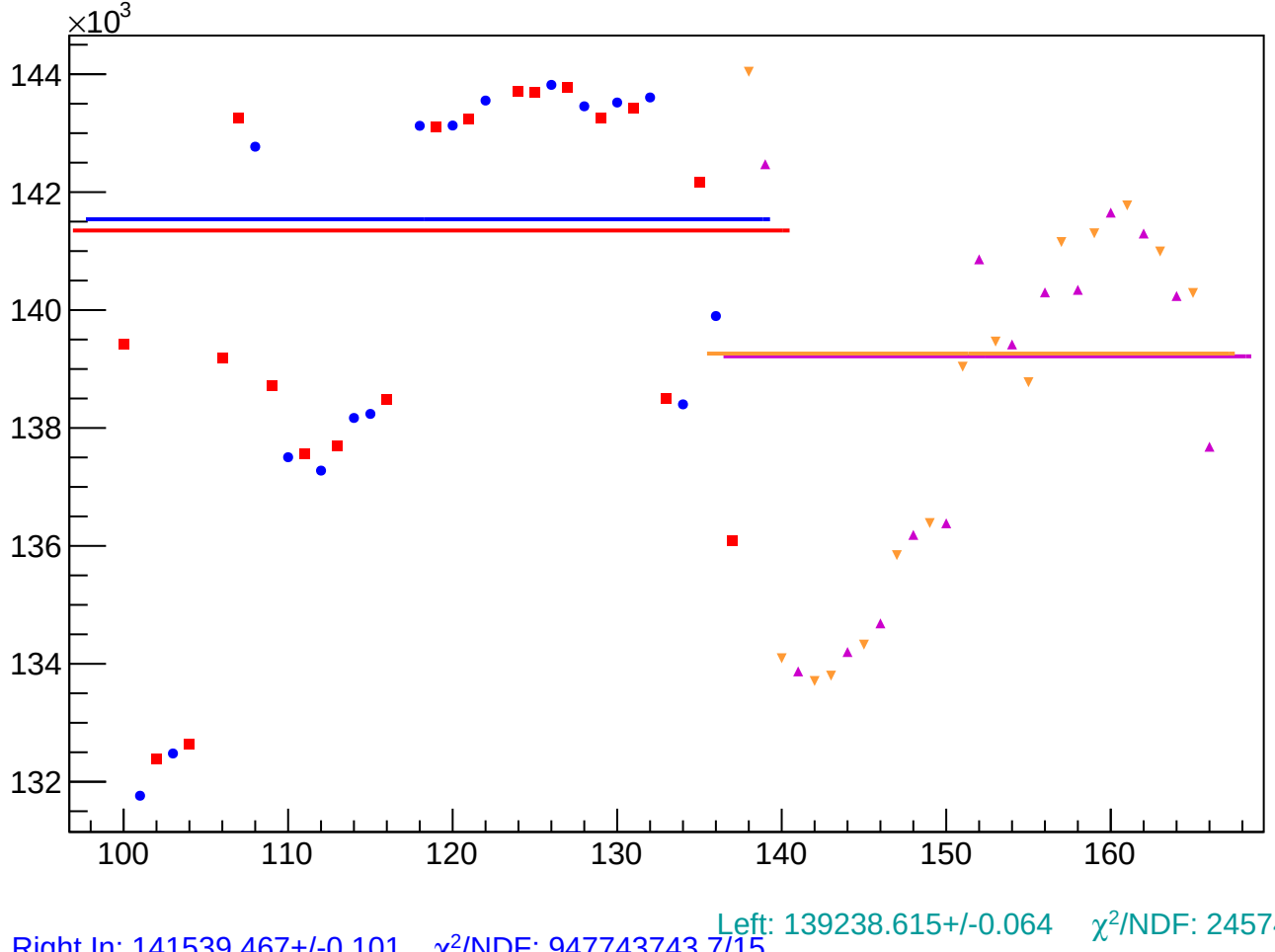
Left: 205.394+/-0.031 χ^2/NDF: 846863.6/28

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 191.885+/-0.033 χ^2/NDF:1671448.3/29

Out: 185.240+/-0.031 χ^2/NDF:2177054.9/33

All: 188.422+/-0.023 χ^2/NDF: 3870195.9/63



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139261.602+/-0.090 χ^2/NDF:1413044572.1/14

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139215.255+/-0.091 χ^2/NDF:1044246907.8/13

Left: 139238.615+/-0.064 χ^2/NDF: 2457422655.4/2

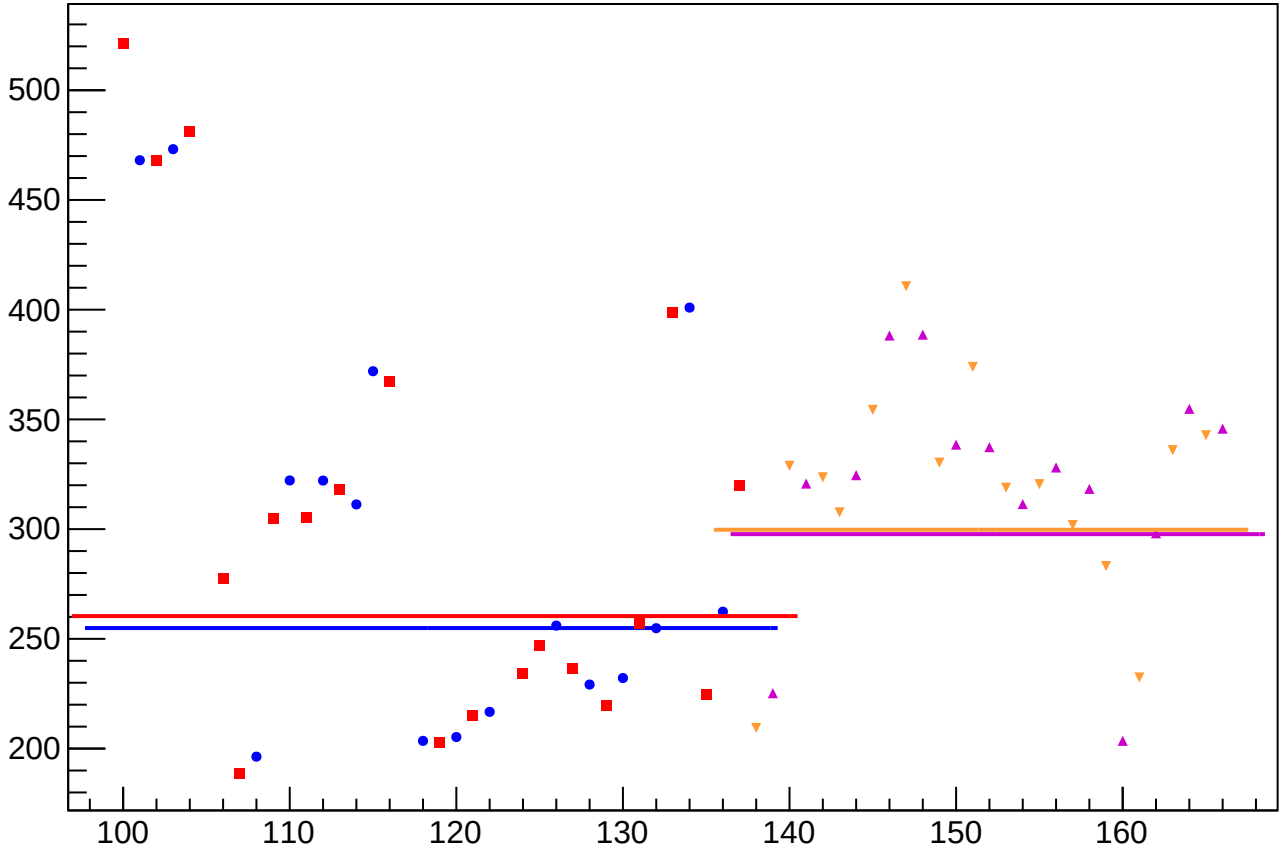
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140256.862+/-0.067 χ^2/NDF:2285320471.3/29

Out: 140186.522+/-0.067 χ^2/NDF:2577481367.8/3

All: 140221.573+/-0.048 χ^2/NDF: 486334683

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 299.721+/-0.064 χ^2/NDF:725034.2/14

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 297.710+/-0.064 χ^2/NDF:843141.3/13

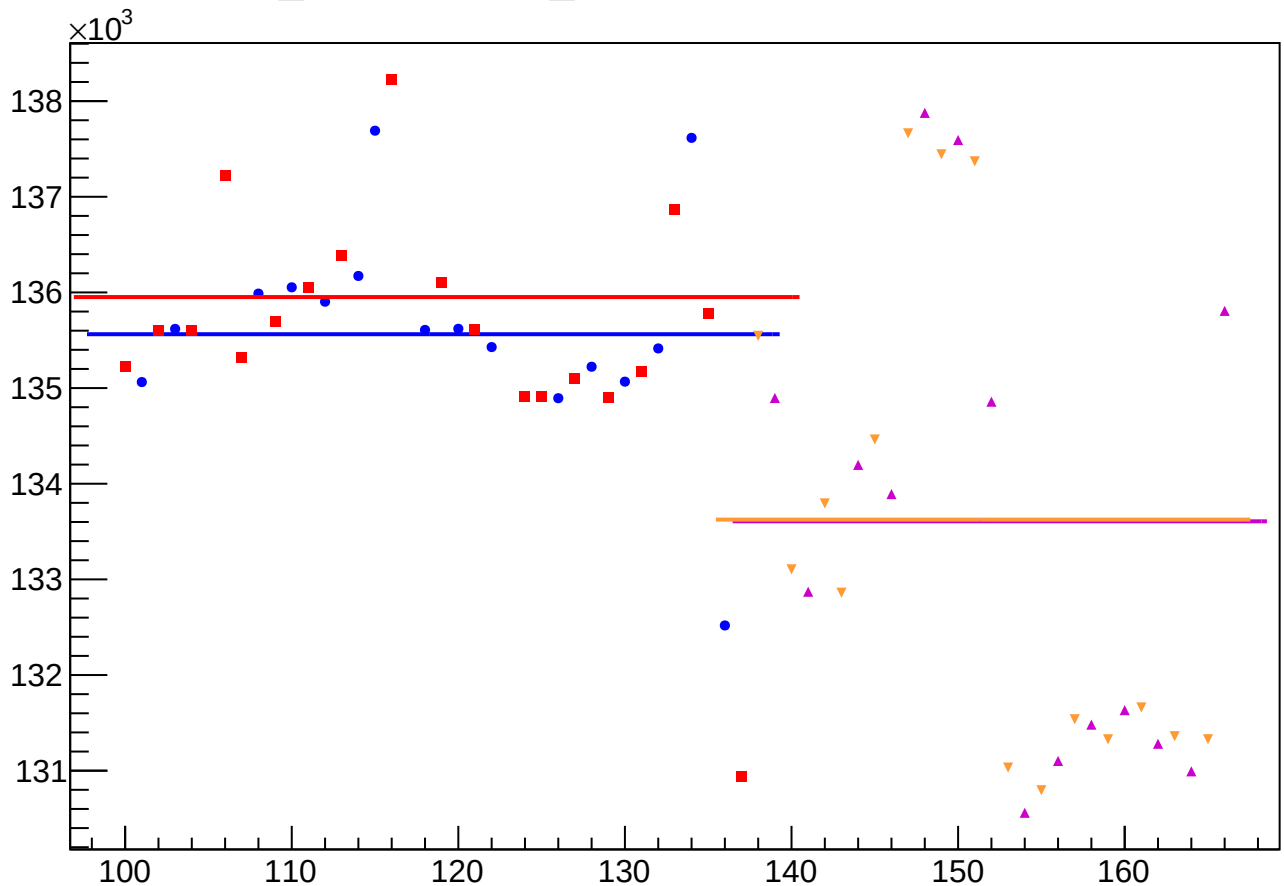
Left: 298.724+/-0.045 χ^2/NDF: 1568669.3/28

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 278.533+/-0.048 χ^2/NDF:1991952.1/29

Out: 282.288+/-0.048 χ^2/NDF:1887271.9/33

All: 280.417+/-0.034 χ^2/NDF: 3882330.3/63



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133625.037+/-0.079 χ^2/NDF:670765825.6/14

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133607.135+/-0.083 χ^2/NDF:555434336.1/13

Left: 133616.522+/-0.057 χ^2/NDF: 1226224731.3/2

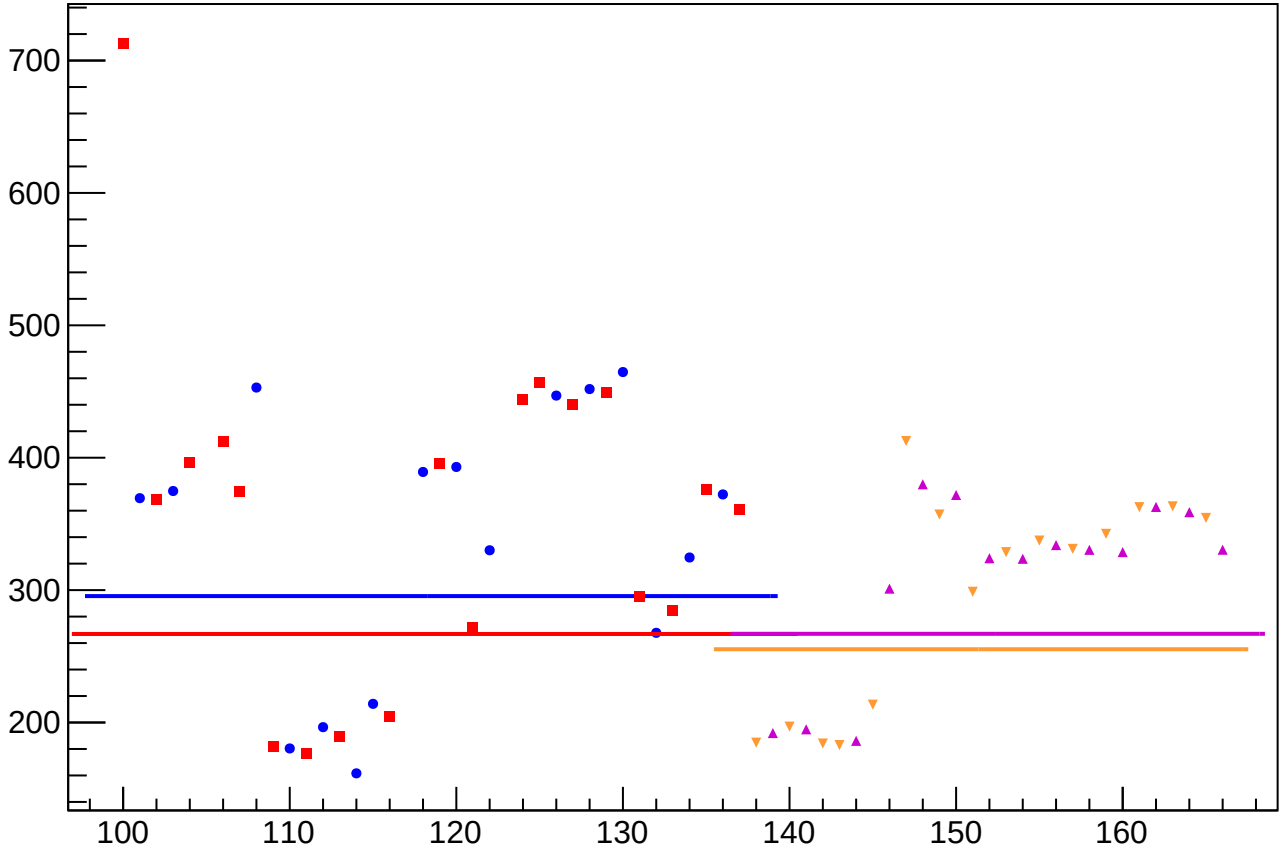
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134248.831+/-0.068 χ^2/NDF:833113445.1/29

Out: 134449.084+/-0.063 χ^2/NDF:1071353773.5/3

All: 134355.814+/-0.046 χ^2/NDF: 19091289

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 255.341+/-0.056 χ^2/NDF:1947446.0/14

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 266.994+/-0.058 χ^2/NDF:1648606.7/13

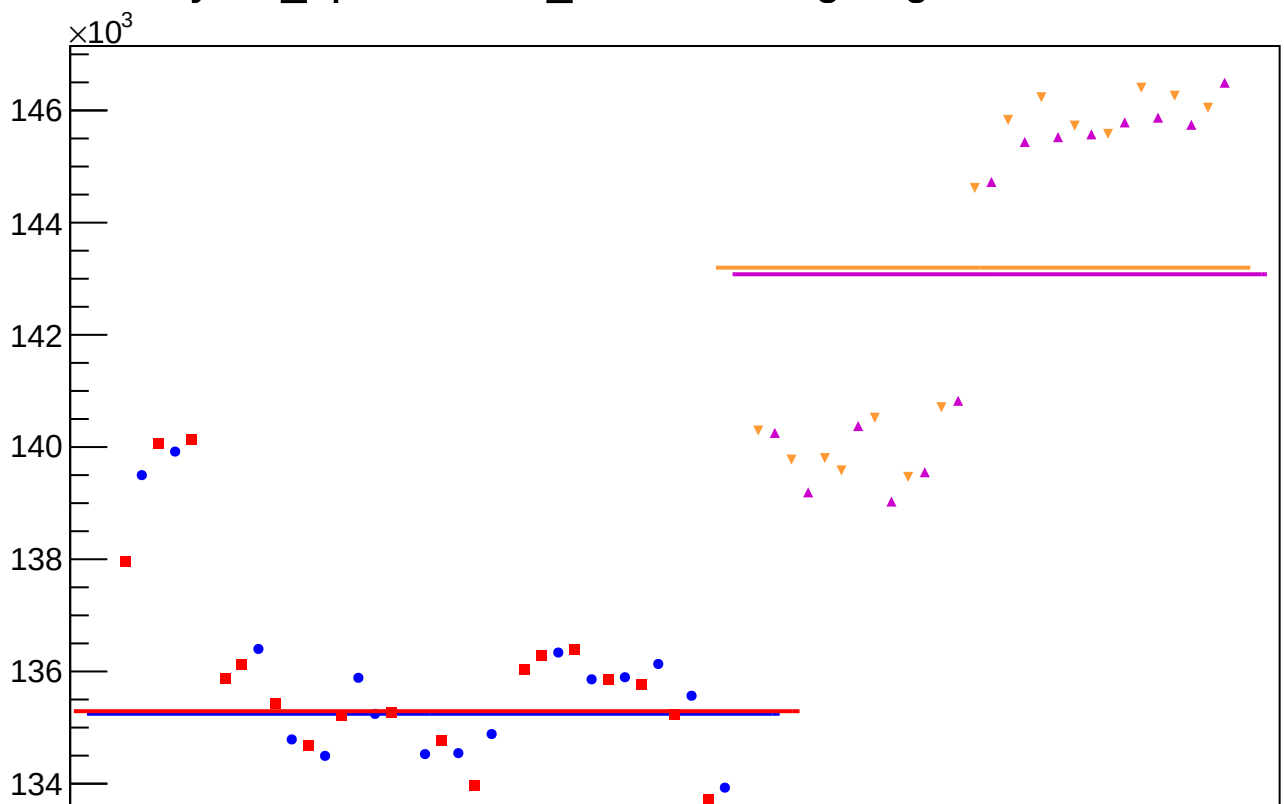
Left: 260.884+/-0.040 χ^2/NDF: 3616876.1/28

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 276.340+/-0.048 χ^2/NDF:3168991.5/29

Out: 259.422+/-0.045 χ^2/NDF:3640681.3/33

All: 267.302+/-0.033 χ^2/NDF: 6876218.7/63



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143197.698+/-0.057 χ^2/NDF:2597691664.9/14

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143079.689+/-0.060 χ^2/NDF:2275529393.3/13

Left: 143141.343+/-0.041 χ^2/NDF: 4875262530.2/2

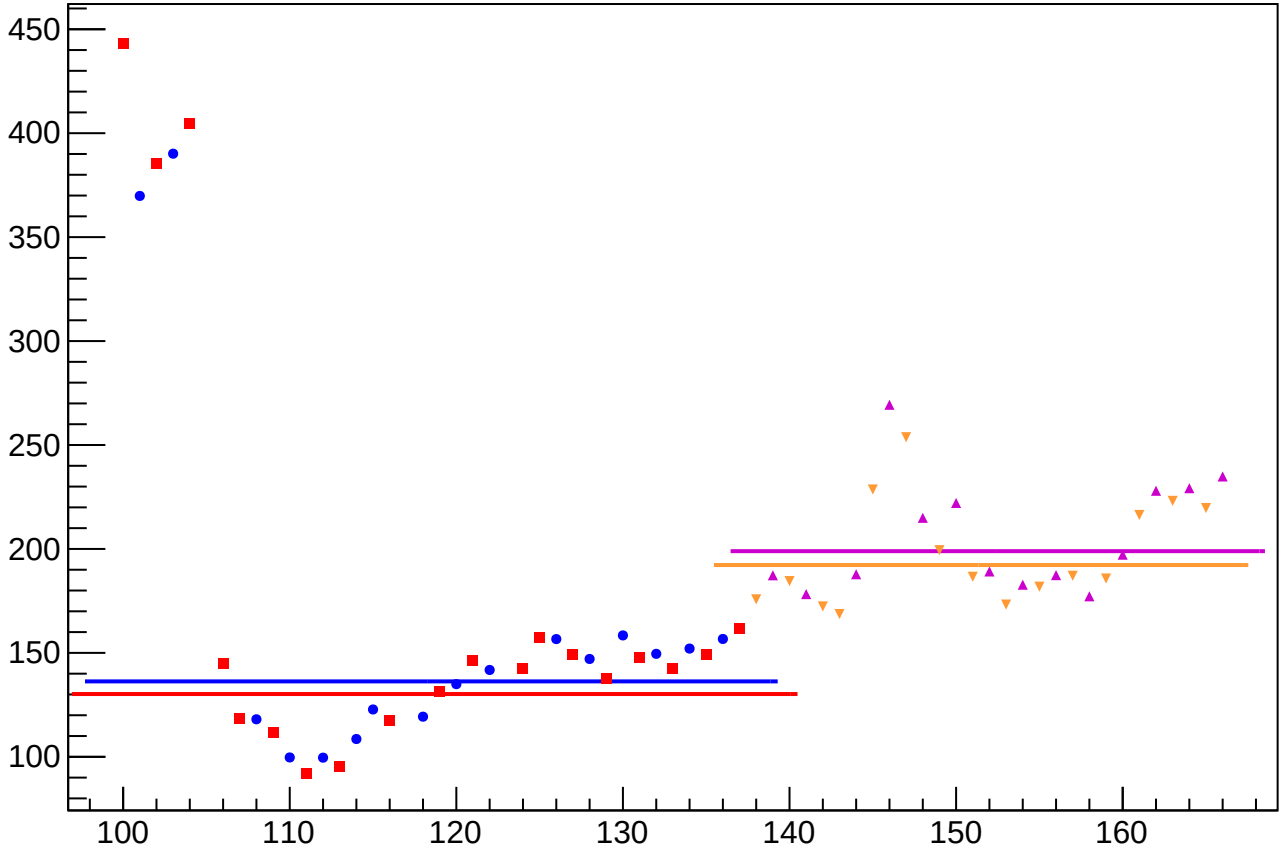
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138822.898+/-0.040 χ^2/NDF:12020222635.8/2

Out: 138858.806+/-0.038 χ^2/NDF:13509429974.9

All: 138841.765+/-0.028 χ^2/NDF: 25530068

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 192.256+/-0.040 χ^2/NDF:292263.9/14

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.935+/-0.042 χ^2/NDF:302278.3/13

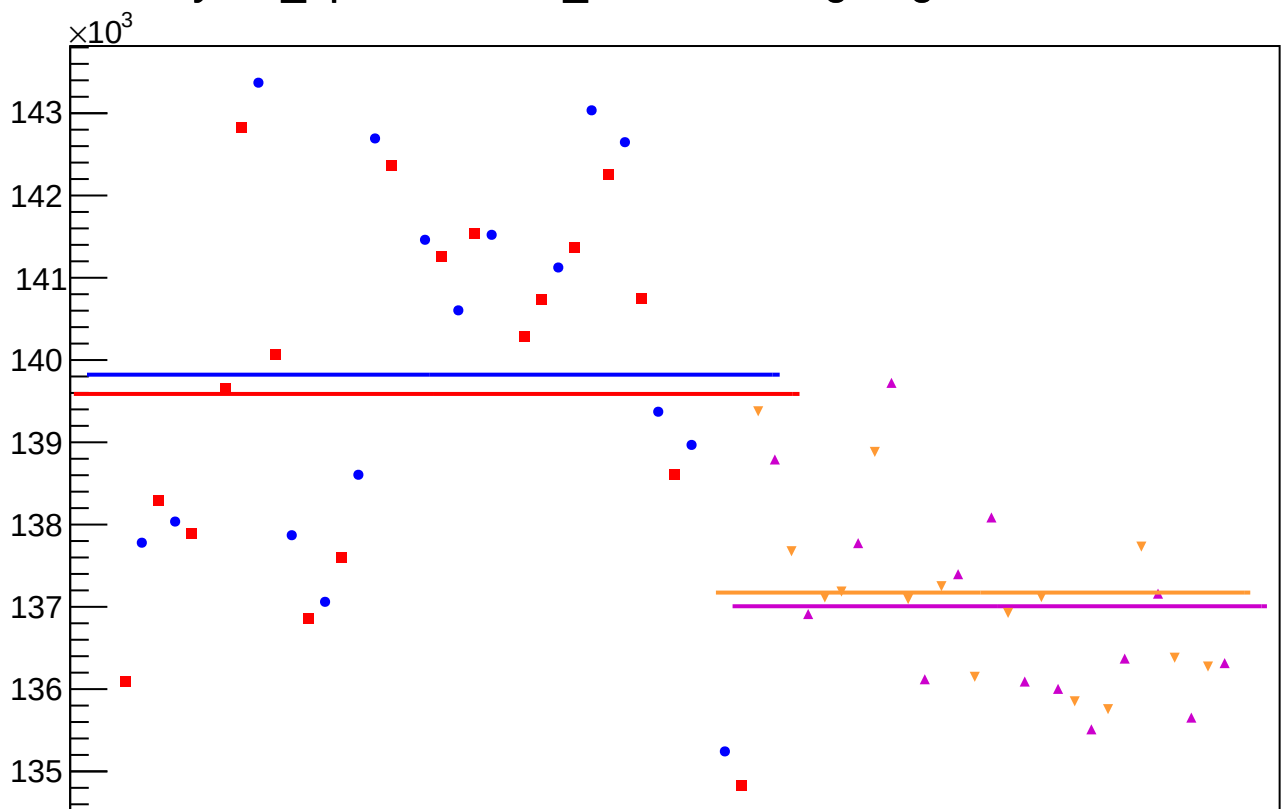
Left: 195.446+/-0.029 χ^2/NDF: 607622.7/28

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 164.890+/-0.029 χ^2/NDF:2883290.6/29

Out: 158.202+/-0.027 χ^2/NDF:3110413.6/33

All: 161.376+/-0.020 χ^2/NDF: 6022596.0/63



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137173.451+/-0.059 χ^2/NDF:304380982.9/14

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137007.177+/-0.061 χ^2/NDF:354969449.3/13

Left: 137092.538+/-0.042 χ^2/NDF: 663209118.1/28

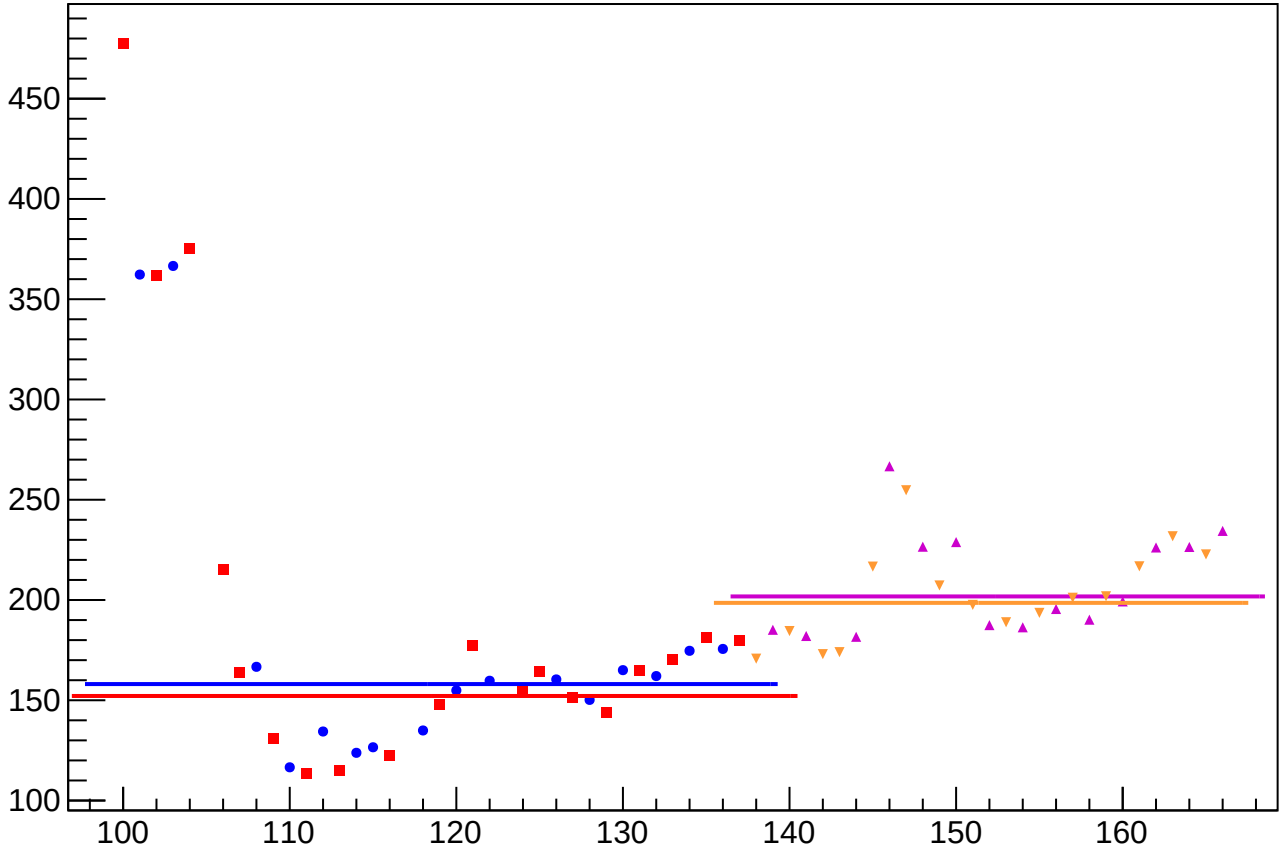
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138370.283+/-0.044 χ^2/NDF:3061519001.2/29

Out: 138366.865+/-0.042 χ^2/NDF:2613735934.2/3

All: 138368.512+/-0.030 χ^2/NDF: 56752581

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 198.577+/-0.042 χ^2/NDF:256719.7/14

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 201.782+/-0.043 χ^2/NDF:285570.6/13

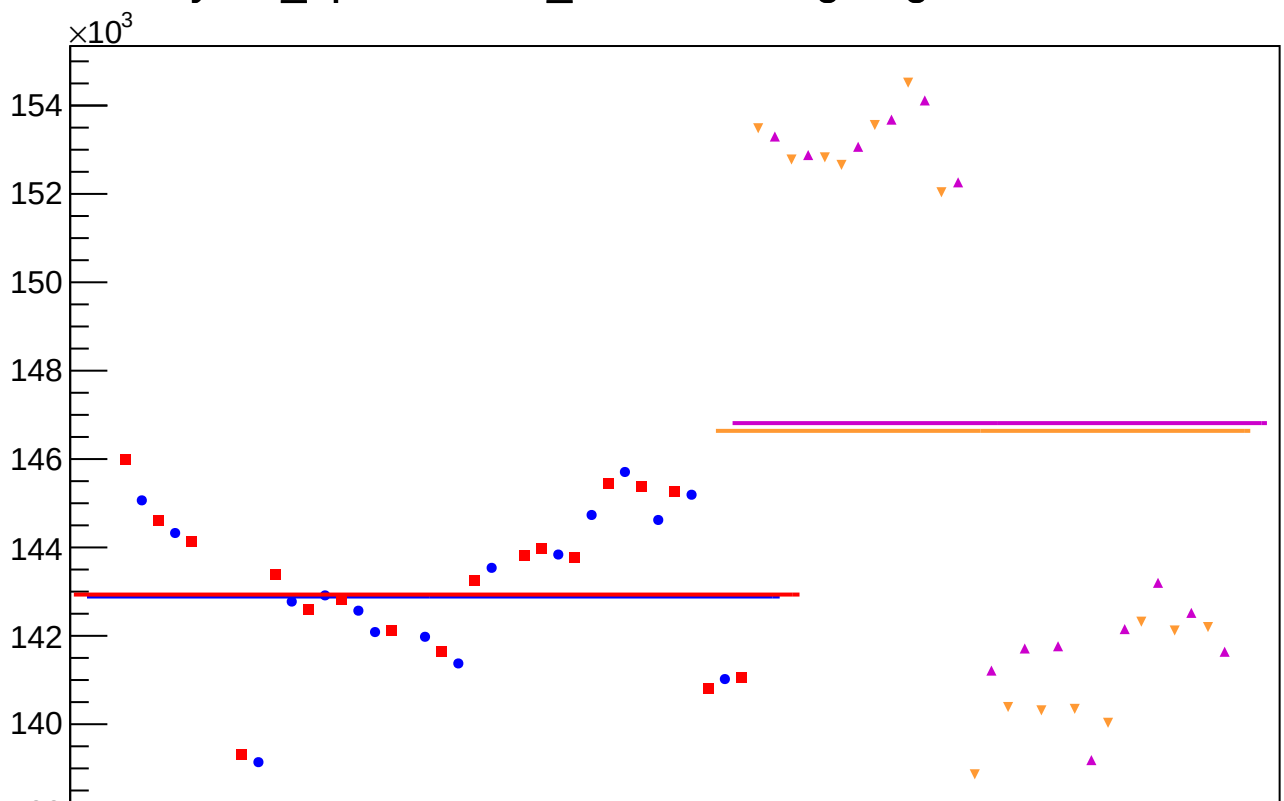
Left: 200.137+/-0.030 χ^2/NDF: 545157.3/28

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 180.619+/-0.031 χ^2/NDF:1806373.4/29

Out: 175.623+/-0.030 χ^2/NDF:2097212.6/33

All: 178.030+/-0.021 χ^2/NDF: 3917224.1/63



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146638.261+/-0.060 χ^2/NDF:10928371666.6/14

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 146813.483+/-0.062 χ^2/NDF:9130888104.1/13

Left: 146723.635+/-0.043 χ^2/NDF: 20063420388.3

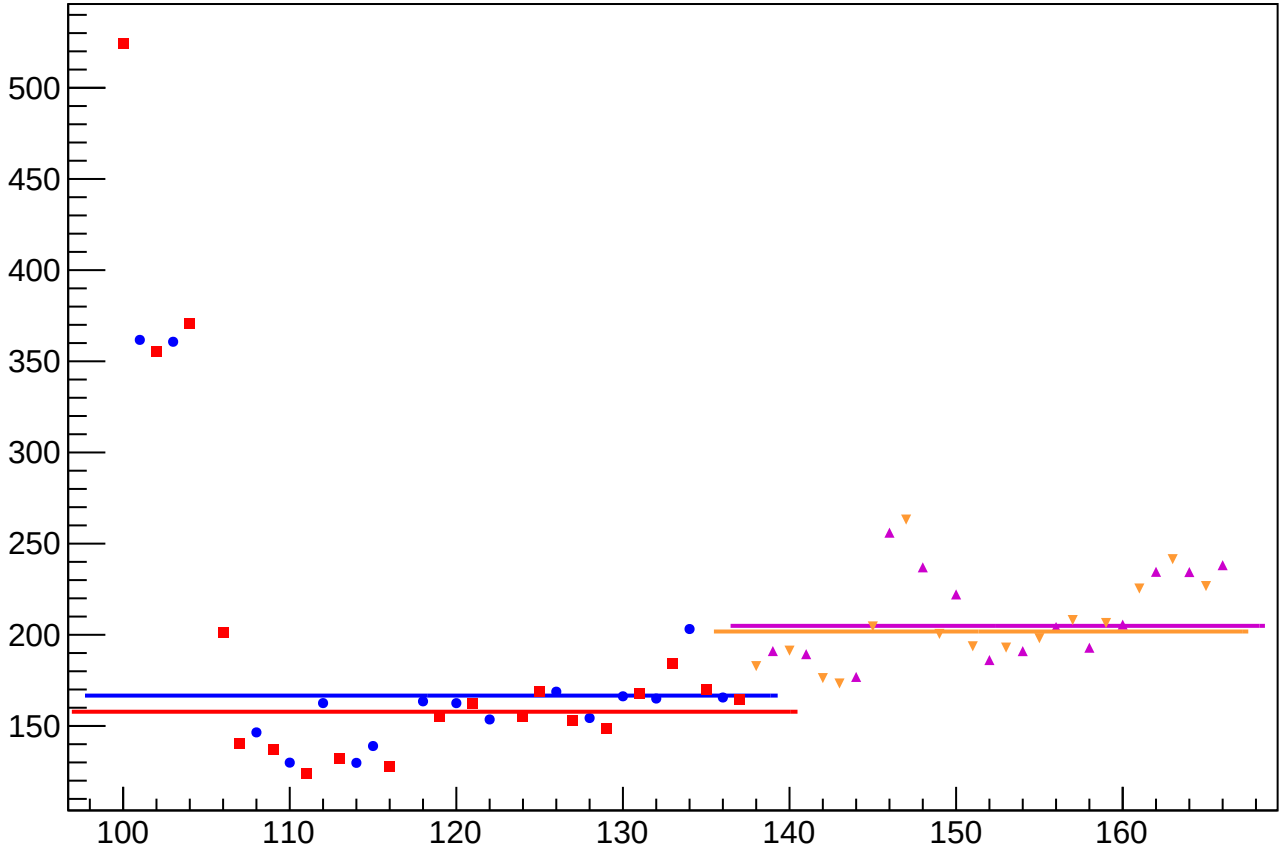
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144979.988+/-0.045 χ^2/NDF:11795628107.4/2

Out: 144834.068+/-0.043 χ^2/NDF:13574587514.1

All: 144903.785+/-0.031 χ^2/NDF: 253757315

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 201.807+/-0.042 χ^2/NDF:256015.9/14

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 204.910+/-0.043 χ^2/NDF:272827.9/13

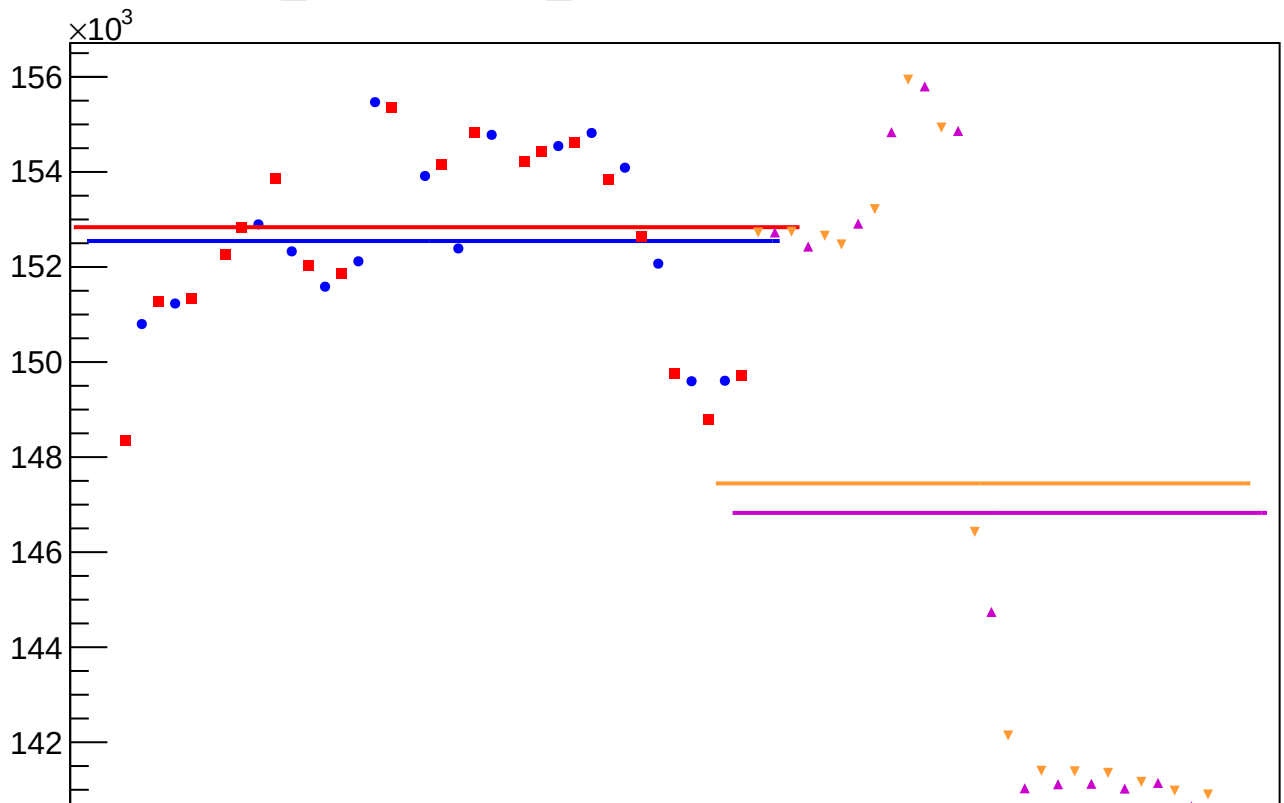
Left: 203.318+/-0.030 χ^2/NDF: 531453.6/28

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 187.036+/-0.032 χ^2/NDF:1497786.3/29

Out: 180.378+/-0.030 χ^2/NDF:1802790.5/33

All: 183.559+/-0.022 χ^2/NDF: 3323546.7/63



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146826.130+/-0.061 χ^2/NDF:9997083779.0/13

Left: 147143.628+/-0.043 χ^2/NDF: 19485958658.1

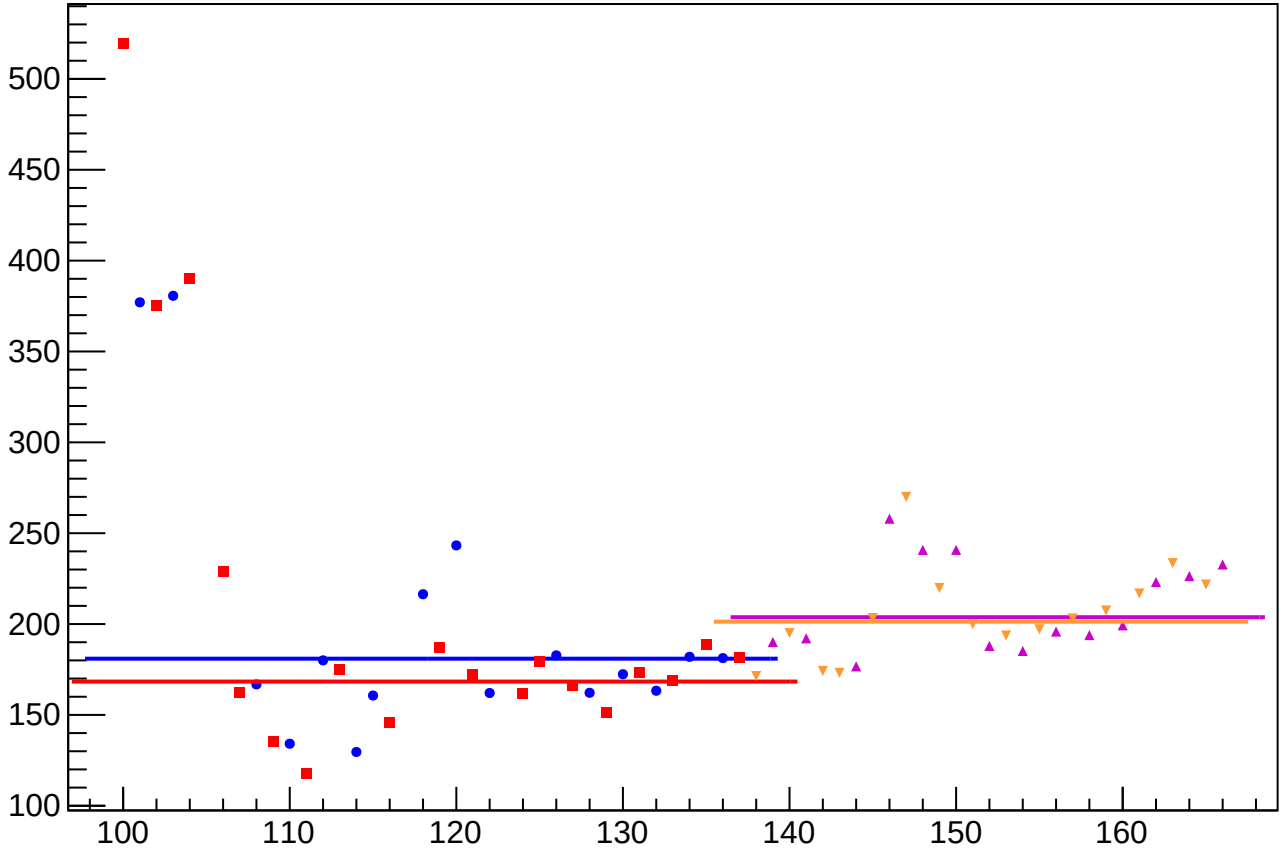
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 149192.270+/-0.047 χ^2/NDF:14291134518.2/2

Out: 149841.048+/-0.044 χ^2/NDF:13808753365.6

All: 149532.857+/-0.032 χ^2/NDF: 28201204

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 203.766+/-0.043 χ^2/NDF:292680.9/13

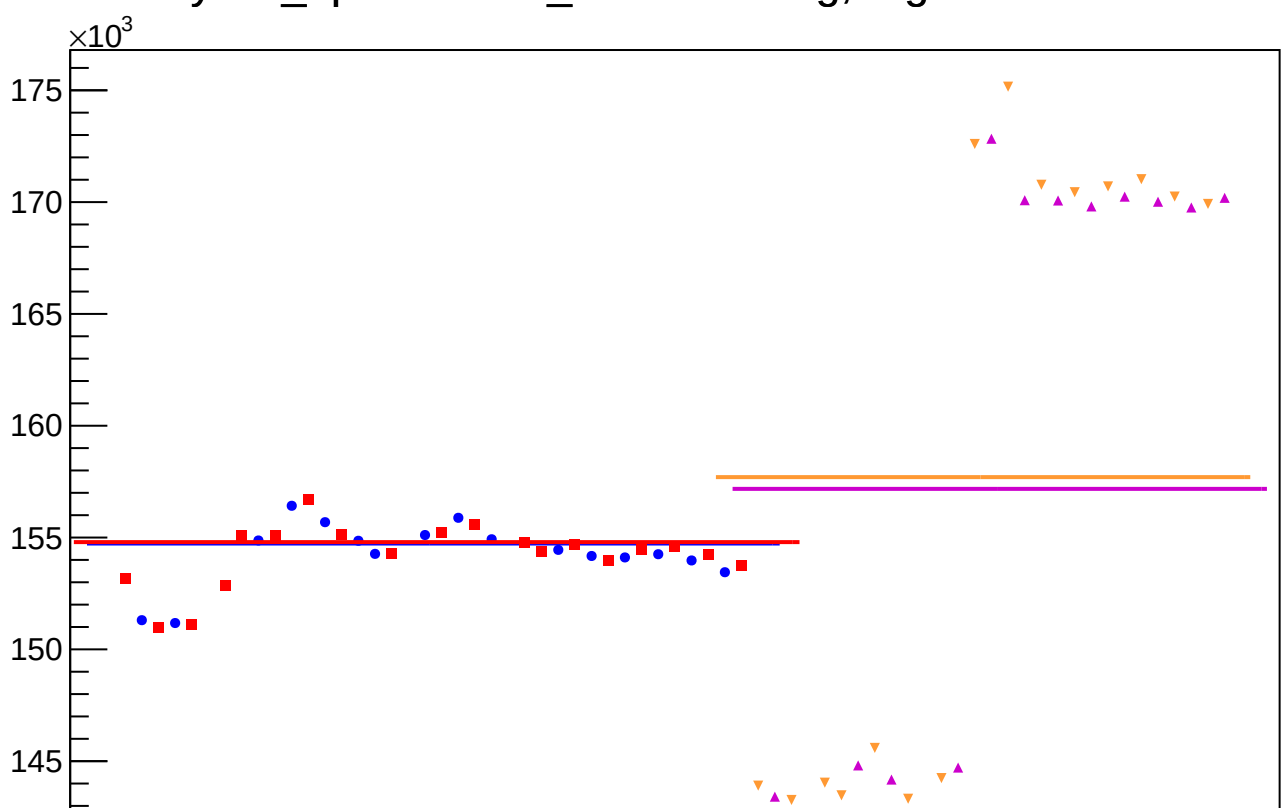
Left: 202.506+/-0.030 χ^2/NDF: 577762.0/28

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 194.325+/-0.033 χ^2/NDF:1316343.8/29

Out: 186.668+/-0.031 χ^2/NDF:1644209.5/33

All: 190.305+/-0.023 χ^2/NDF: 2988778.8/63



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157702.220+/-0.055 χ^2/NDF:63201356441.1/14

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 157176.860+/-0.057 χ^2/NDF:55840772599.4/13

Left: 157447.491+/-0.040 χ^2/NDF: 119085818015.

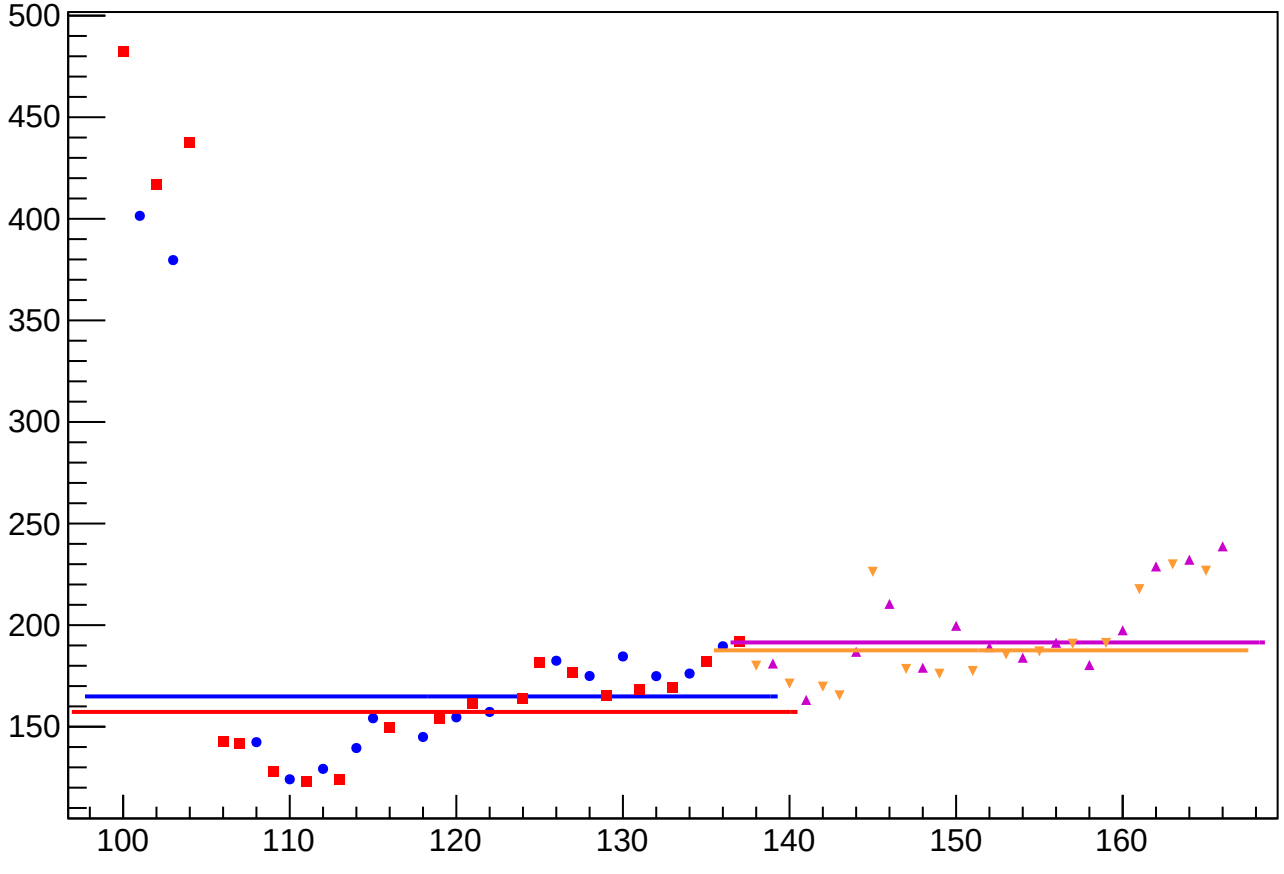
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 156117.177+/-0.043 χ^2/NDF:56910955869.4/2

Out: 156391.506+/-0.041 χ^2/NDF:64749102245.2/

All: 156260.624+/-0.030 χ^2/NDF: 12168140

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 187.589+/-0.039 χ^2/NDF:244509.3/14

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 191.484+/-0.040 χ^2/NDF:219956.5/13

Left: 189.478+/-0.028 χ^2/NDF: 469268.3/28

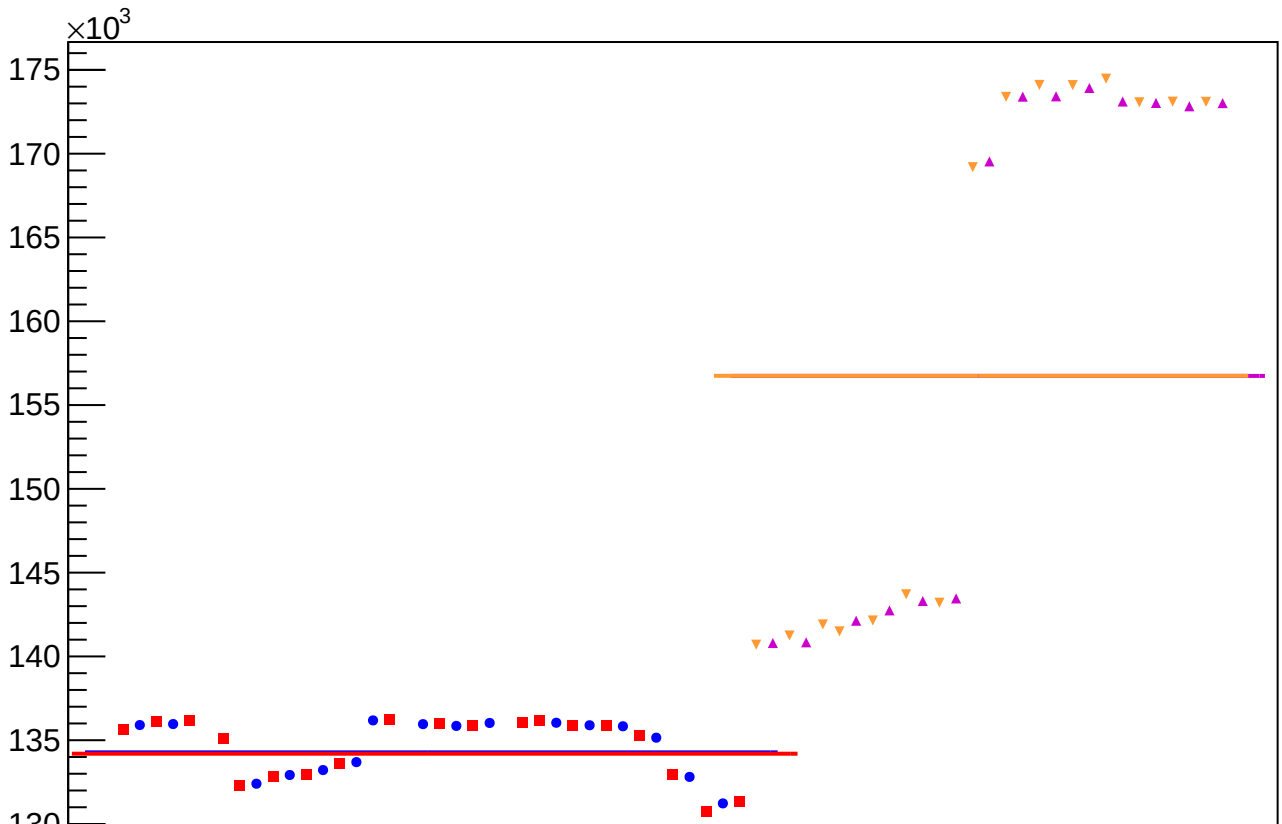
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 179.959+/-0.030 χ^2/NDF:1480931.9/29

Out: 173.921+/-0.029 χ^2/NDF:1769792.1/33

All: 176.802+/-0.021 χ^2/NDF: 3271406.2/63

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156746.264+/-0.056 χ^2/NDF:77070653142.2/14

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 156738.673+/-0.058 χ^2/NDF:70386761819.0/13

Left: 156742.604+/-0.040 χ^2/NDF: 147457423902.

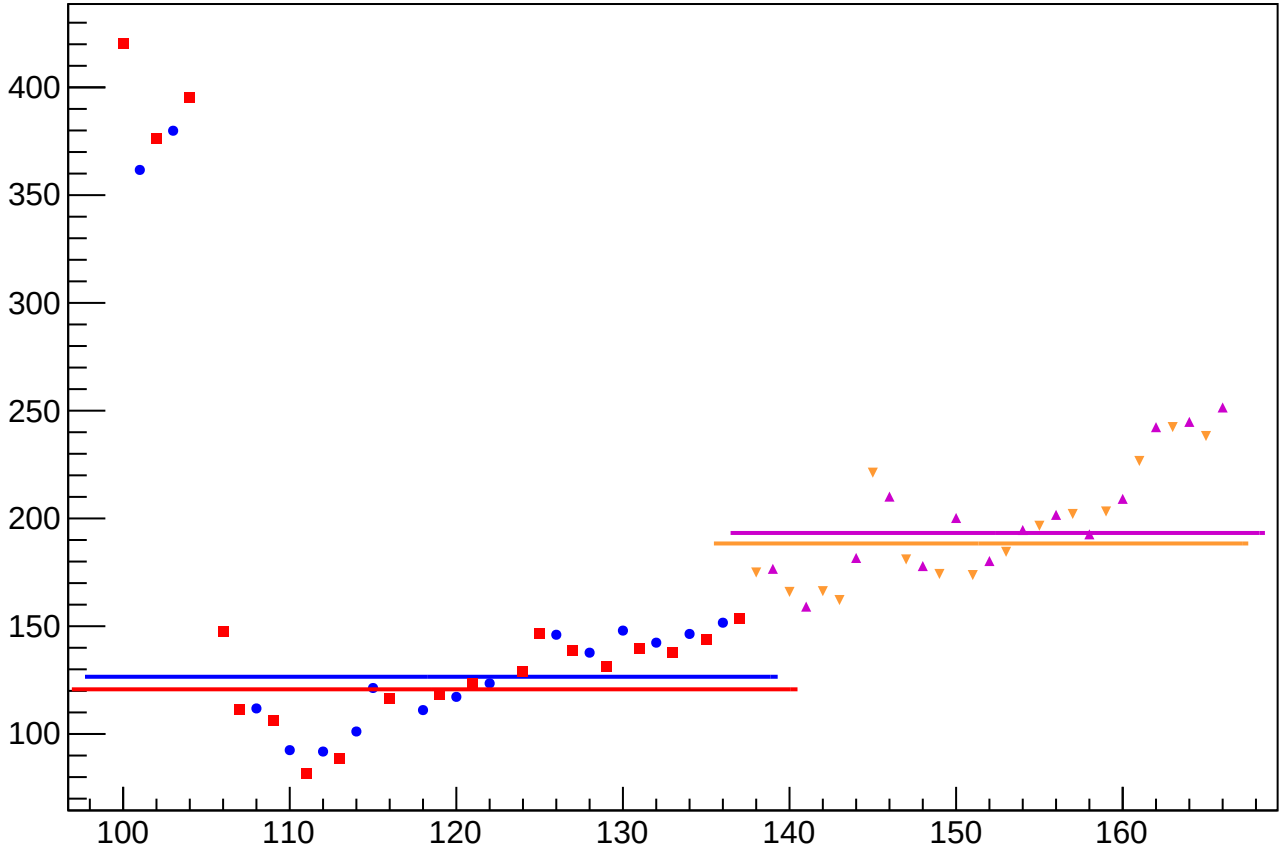
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 144075.781+/-0.038 χ^2/NDF:156743701858.8

Out: 143790.177+/-0.036 χ^2/NDF:172289854513.

All: 143926.094+/-0.026 χ^2/NDF: 329062913

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 188.387+/-0.039 χ^2/NDF:359014.1/14

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 193.266+/-0.041 χ^2/NDF:329181.0/13

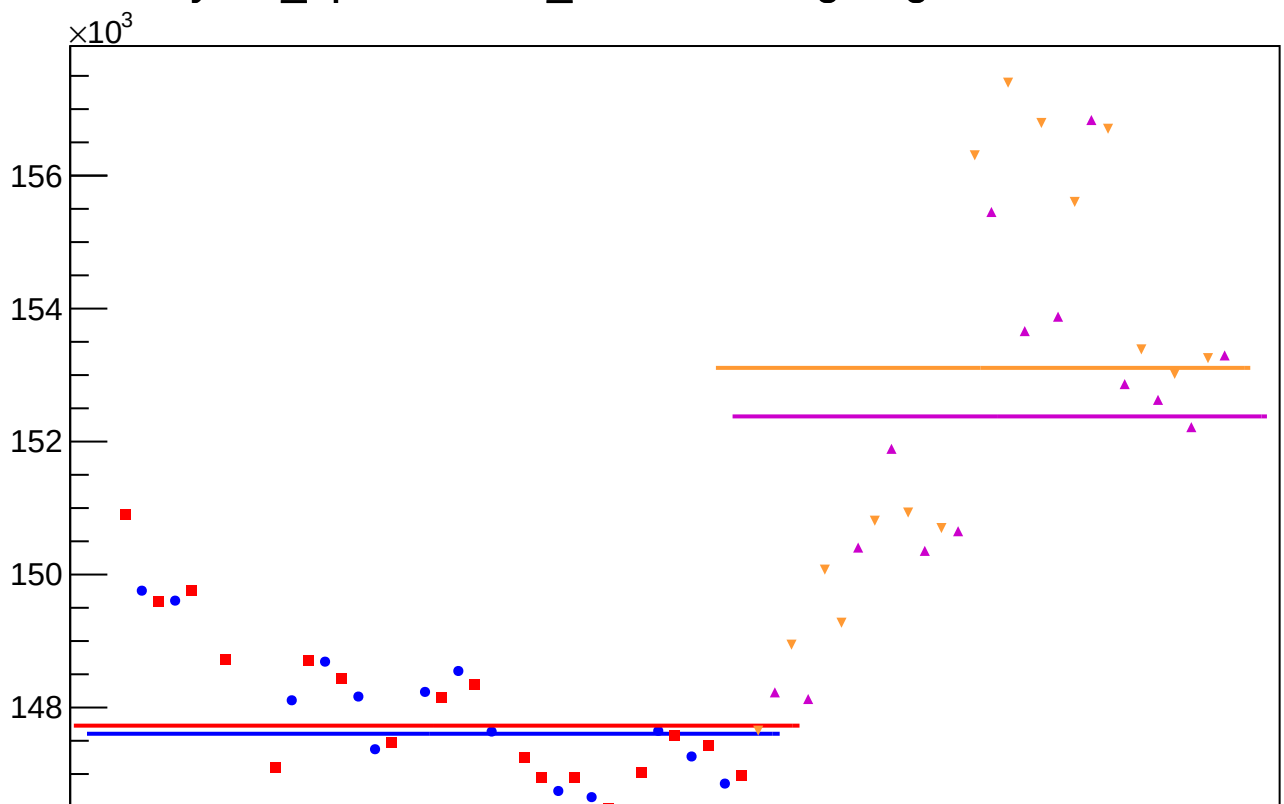
Left: 190.739+/-0.028 χ^2/NDF: 695580.1/28

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 155.656+/-0.027 χ^2/NDF:3309981.2/29

Out: 149.513+/-0.026 χ^2/NDF:3684533.7/33

All: 152.436+/-0.019 χ^2/NDF: 7021685.4/63



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153108.365+/-0.061 χ^2/NDF:2908454391.0/14

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152378.404+/-0.062 χ^2/NDF:1718891182.6/13

Left: 152752.525+/-0.044 χ^2/NDF: 4697276030.7/2

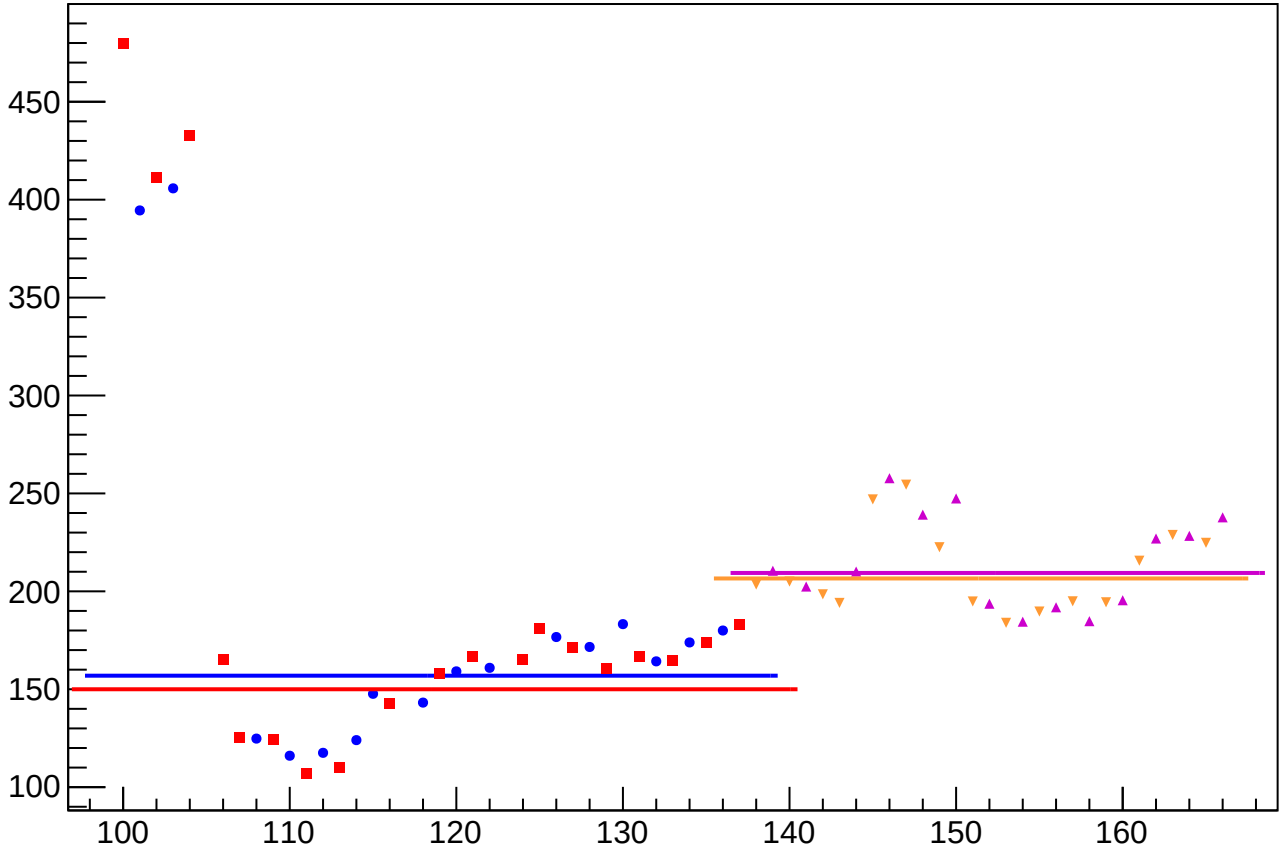
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149991.333+/-0.044 χ^2/NDF:4836793121.6/29

Out: 150327.634+/-0.042 χ^2/NDF:7131500820.5/3

All: 150166.540+/-0.031 χ^2/NDF: 11998478

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 206.572+/-0.043 χ^2/NDF:200274.7/14

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 209.389+/-0.044 χ^2/NDF:261002.6/13

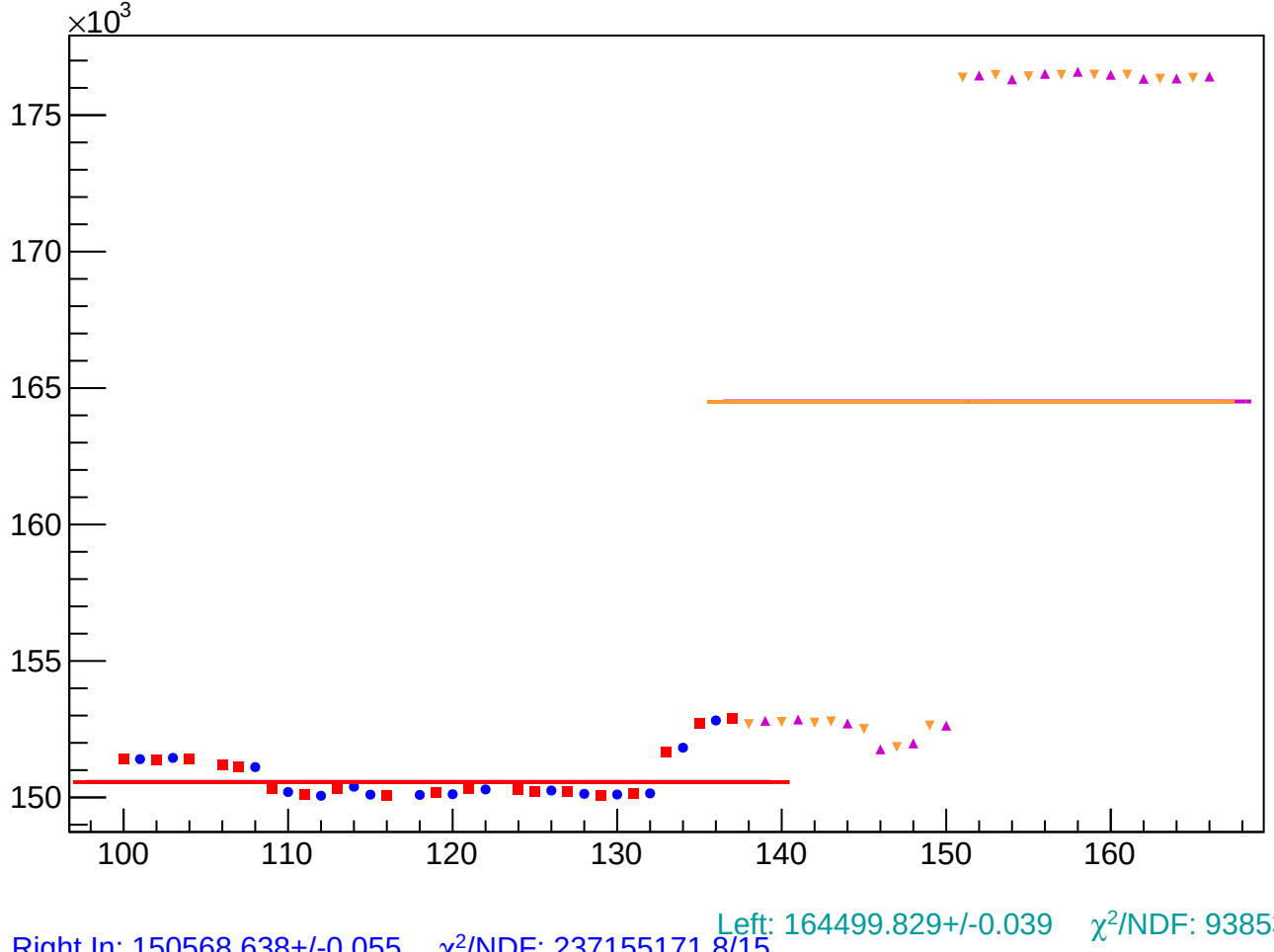
Left: 207.945+/-0.031 χ^2/NDF: 463359.9/28

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

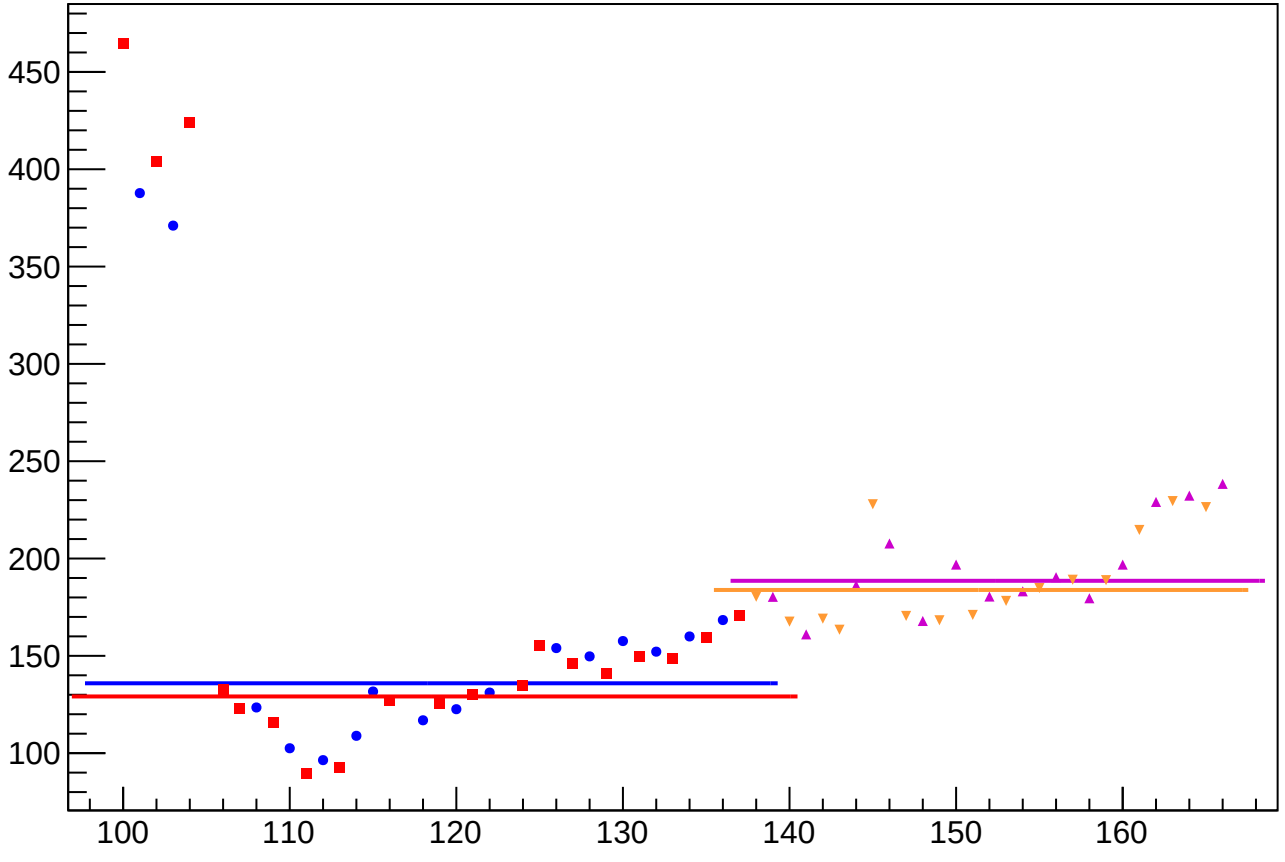
In: 183.151+/-0.031 χ^2/NDF:2231735.1/29

Out: 177.333+/-0.030 χ^2/NDF:2544954.0/33

All: 180.120+/-0.022 χ^2/NDF: 4794754.2/63


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164491.500+/-0.054 χ²/NDF:48452443763.7/14
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 164508.781+/-0.056 χ²/NDF:45401456457.4/13
Left: 164499.829+/-0.039 χ²/NDF: 93853949145.0
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 157334.768+/-0.039 χ²/NDF:77265293759.5/2
Out: 157095.417+/-0.037 χ²/NDF:83666983166.2
All: 157208.738+/-0.027 χ²/NDF: 160951931

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 188.552+/-0.040 χ^2/NDF:252580.5/13

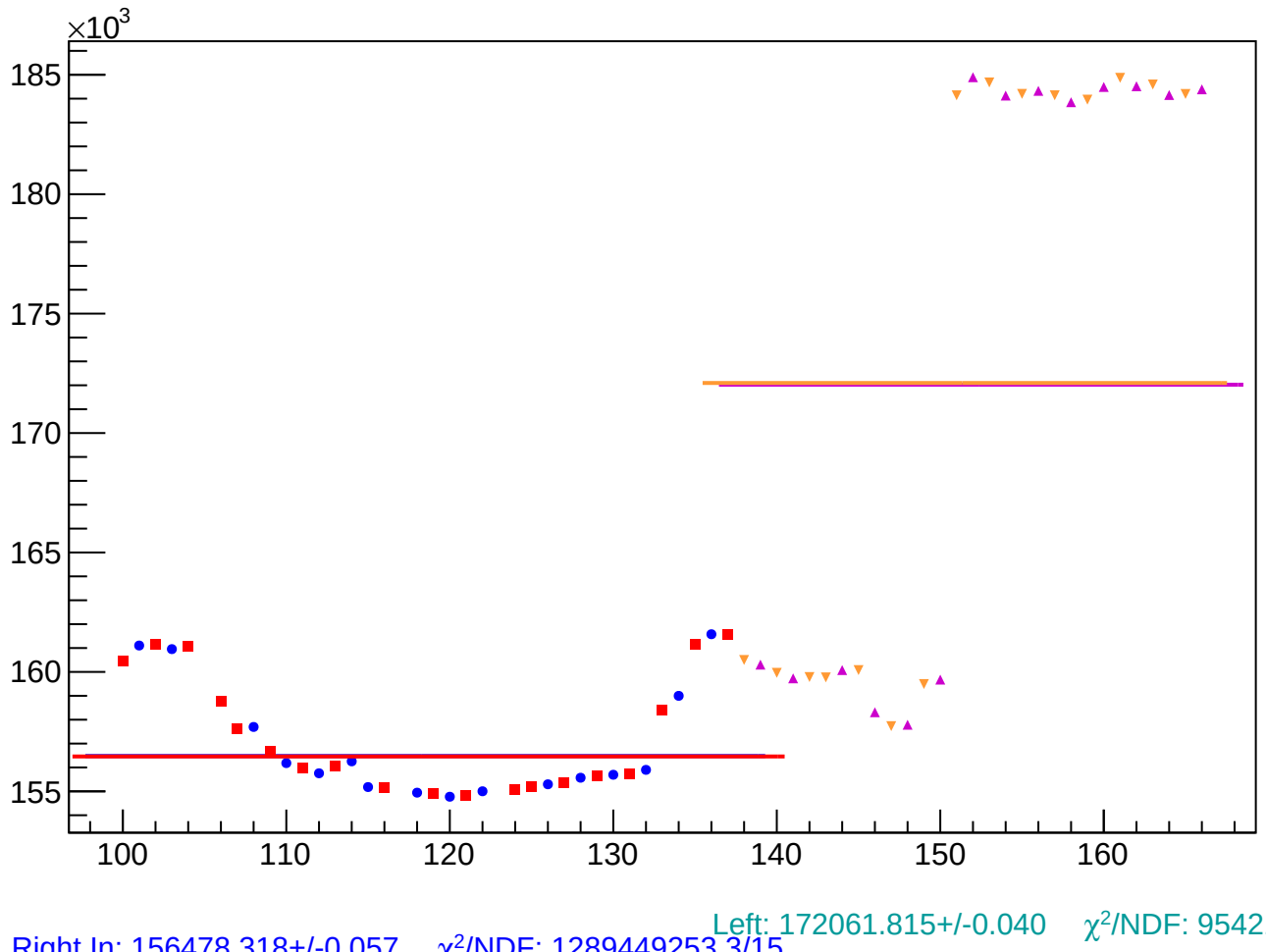
Left: 186.115+/-0.028 χ^2/NDF: 547827.3/28

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 161.454+/-0.028 χ^2/NDF:2571420.9/29

Out: 154.795+/-0.026 χ^2/NDF:2982901.7/33

All: 157.948+/-0.019 χ^2/NDF: 5584743.5/63



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 172096.233+/-0.056 χ^2/NDF:48864782517.8/14

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 172025.006+/-0.058 χ^2/NDF:46555759580.4/13

Left: 172061.815+/-0.040 χ^2/NDF: 95421320840.3

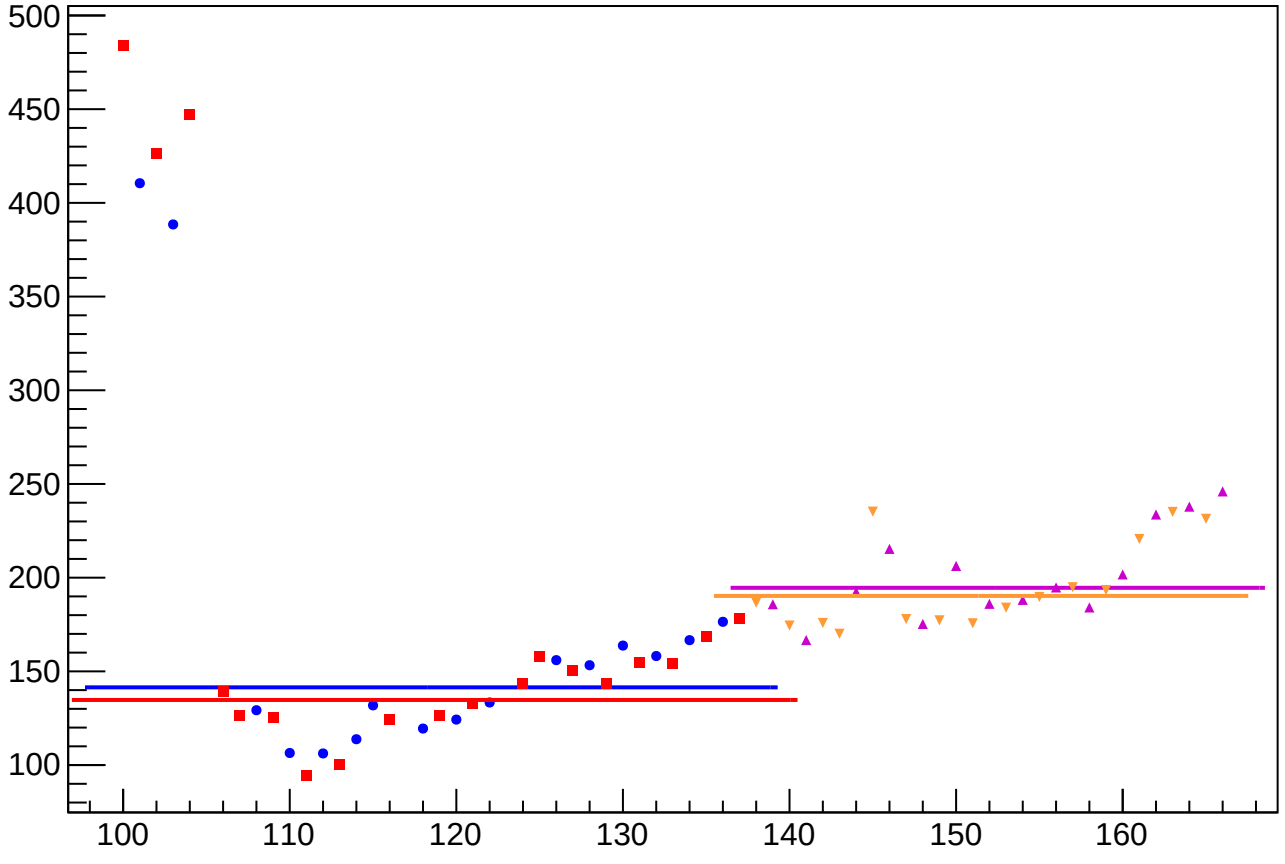
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 164087.978+/-0.041 χ^2/NDF:84496702694.0/2

Out: 163852.096+/-0.039 χ^2/NDF:90913312420.2

All: 163964.029+/-0.028 χ^2/NDF: 17542757

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 190.258+/-0.040 χ^2/NDF:262922.4/14

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 194.592+/-0.041 χ^2/NDF:242370.9/13

Left: 192.352+/-0.029 χ^2/NDF: 511059.7/28

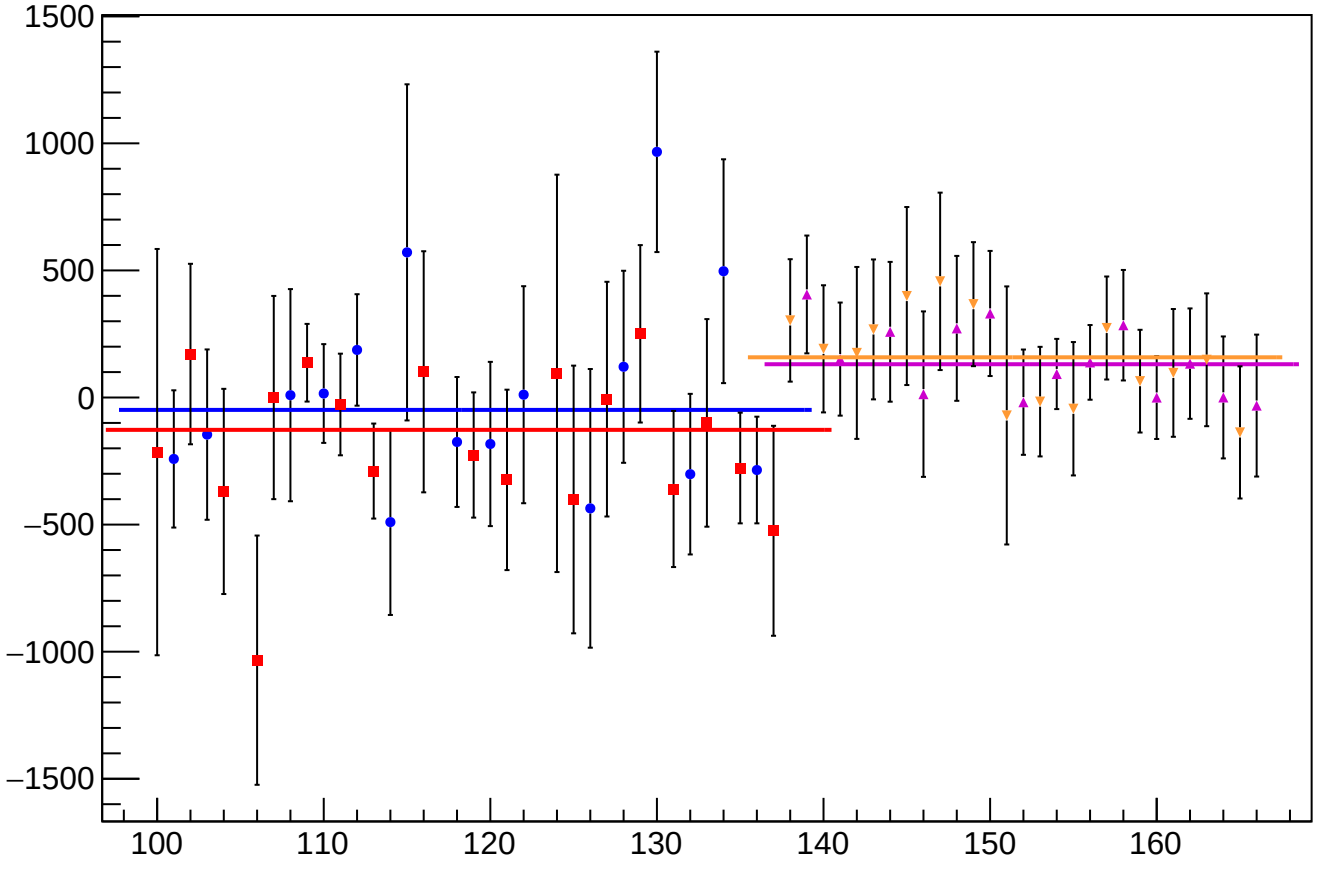
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 167.472+/-0.029 χ^2/NDF:2490139.1/29

Out: 160.988+/-0.027 χ^2/NDF:2874252.7/33

All: 164.065+/-0.020 χ^2/NDF: 5391198.9/63

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 130.924+/-55.685 χ^2/NDF:5.0/13

Left: 142.059+/-42.840 χ^2/NDF: 11.0/28

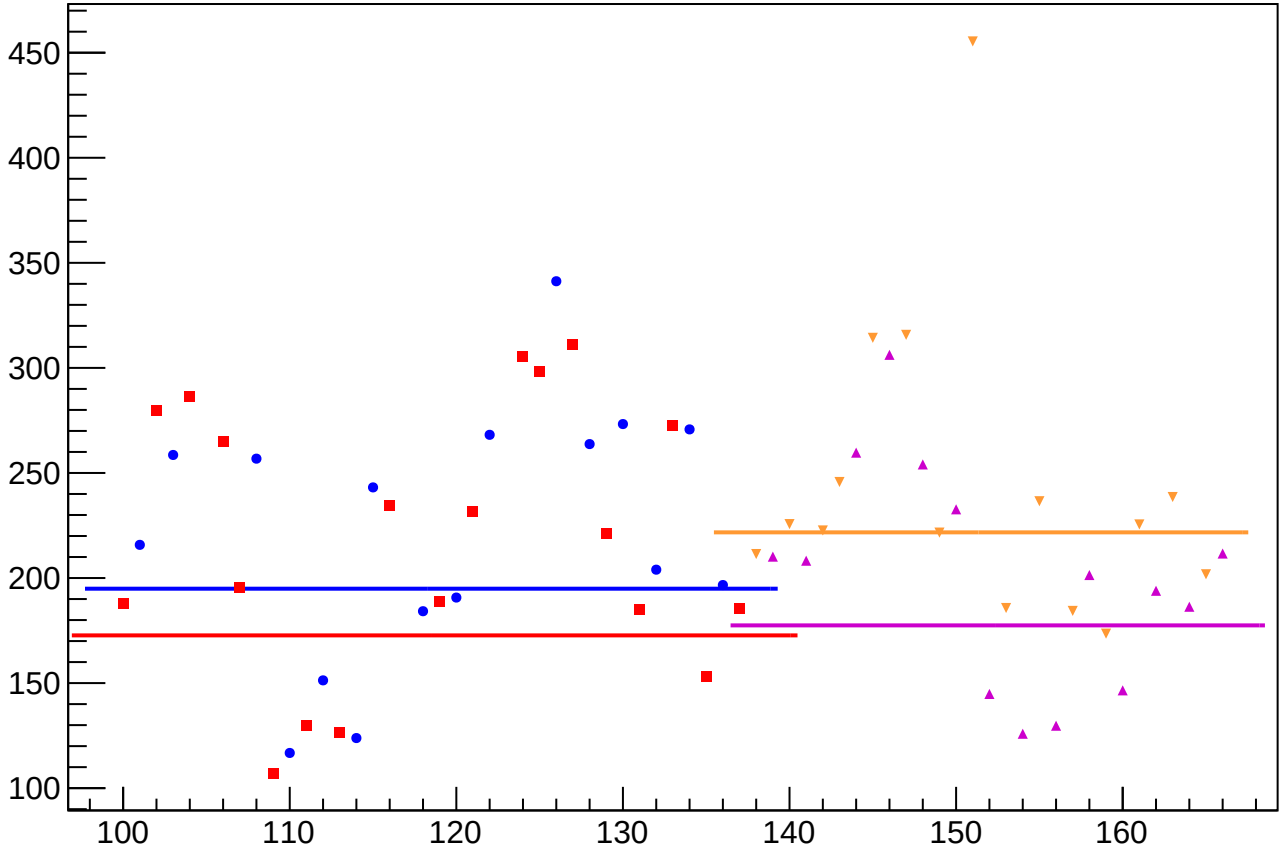
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.793+/-45.039 χ^2/NDF:24.1/29

Out: 18.529+/-47.921 χ^2/NDF:27.6/33

All: 45.218+/-32.819 χ^2/NDF: 52.2/63

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.466+/-0.039 χ^2/NDF:1494976.9/13

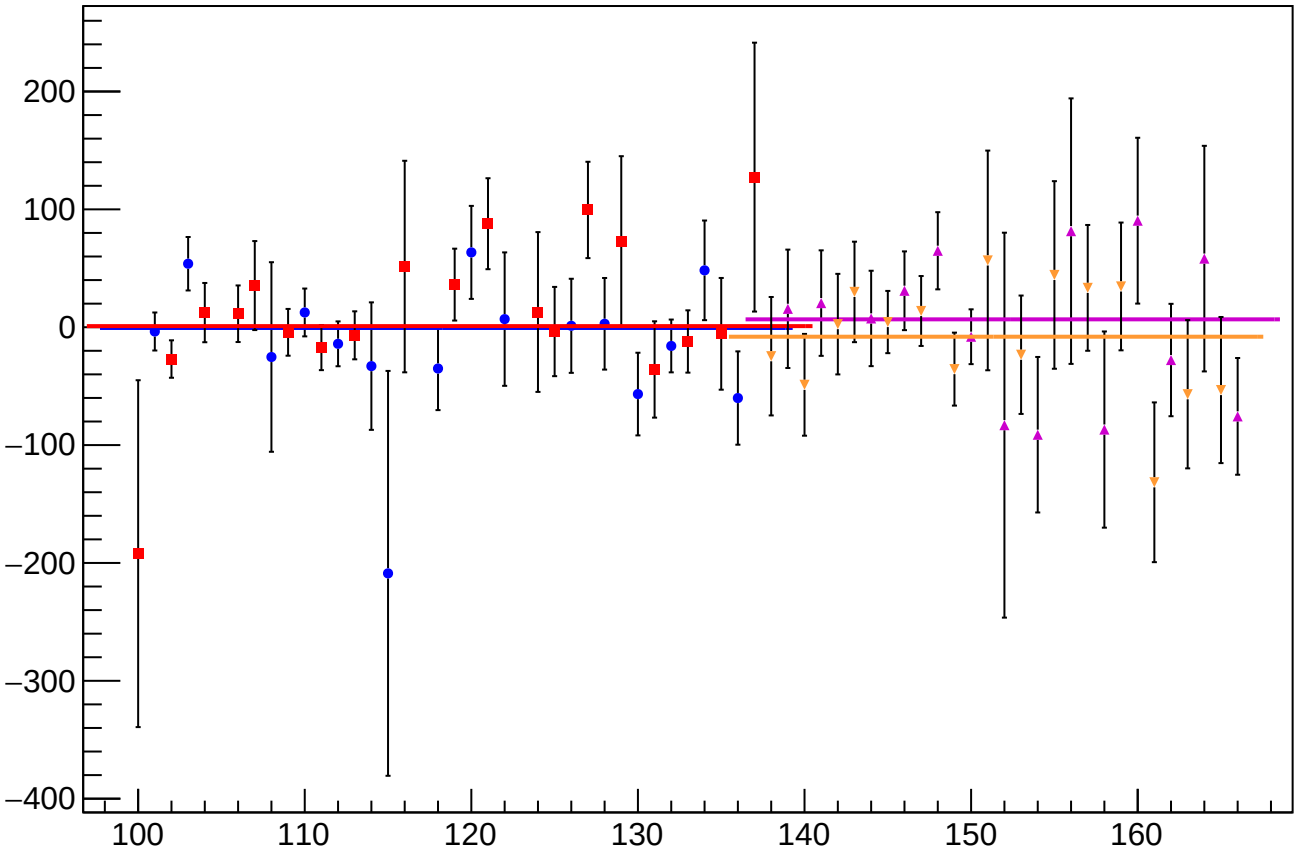
Left: 195.533+/-0.030 χ^2/NDF: 3003192.8/28

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.502+/-0.032 χ^2/NDF:2591847.8/29

Out: 197.743+/-0.034 χ^2/NDF:3146868.8/33

All: 190.182+/-0.023 χ^2/NDF: 5832498.0/63



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.047+/-11.368 χ^2/NDF:10.1/14

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 6.681+/-12.096 χ^2/NDF:13.4/13

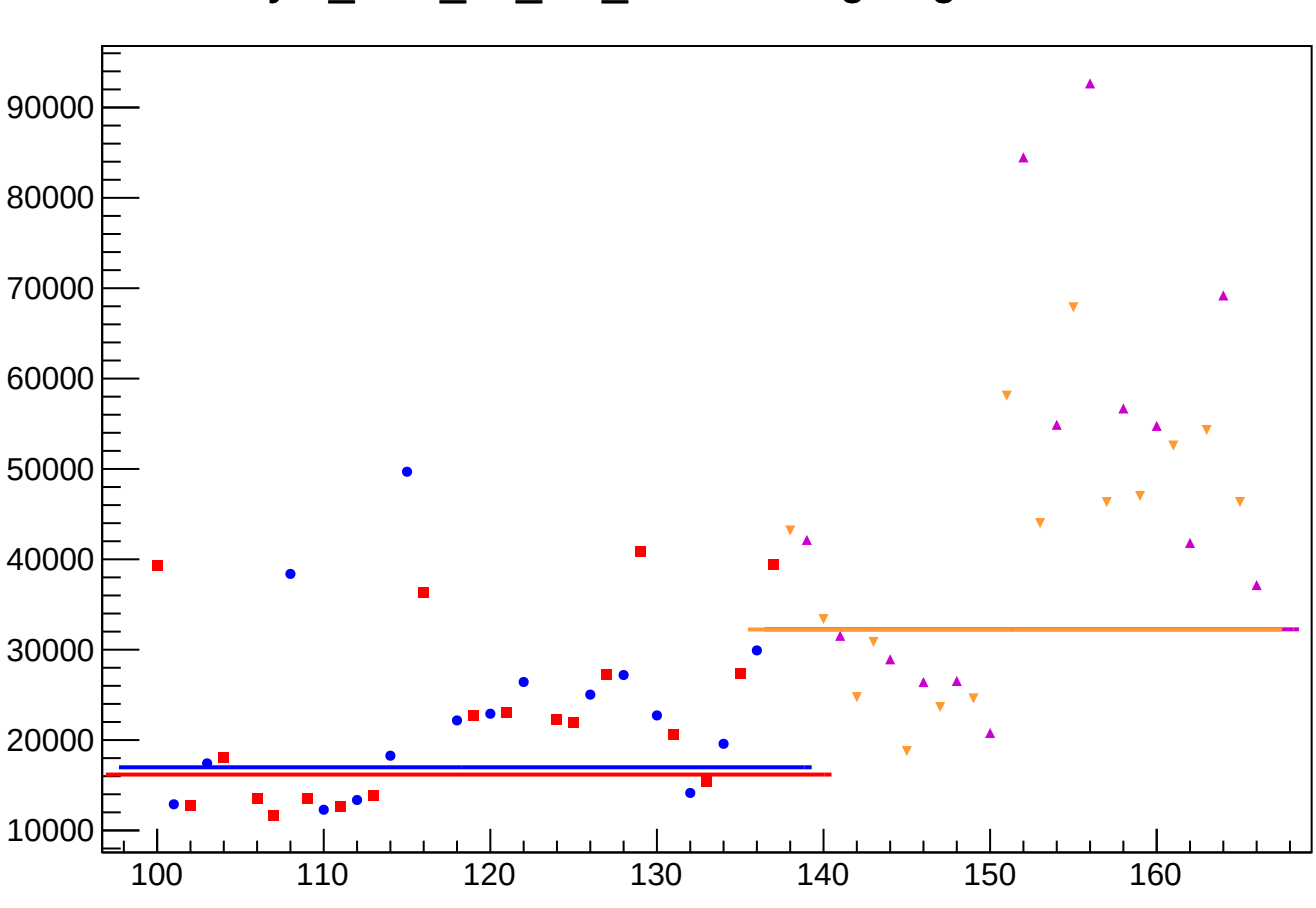
Left: -1.140+/-8.284 χ^2/NDF: 24.3/28

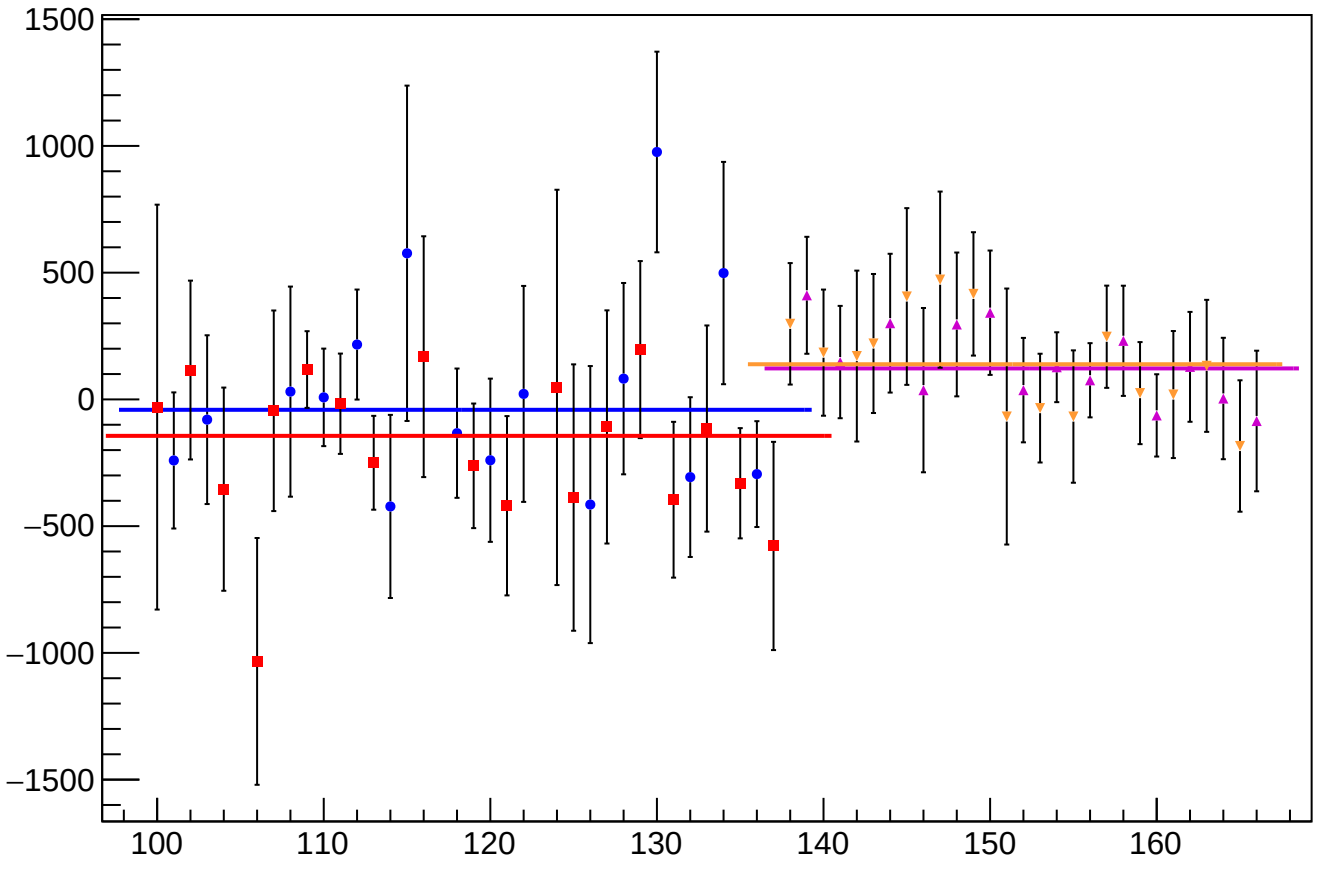
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.342+/-6.275 χ^2/NDF:32.6/29

Out: -1.413+/-5.815 χ^2/NDF:33.6/33

All: -0.140+/-4.265 χ^2/NDF: 66.3/63


asym_bcm_an_diff_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 32236.319+/-8.038 χ²/NDF:2451989.7/14
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 32254.329+/-8.553 χ²/NDF:2490574.7/13
Left: 32244.766+/-5.857 χ²/NDF: 4942566.8/28
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21095.595+/-4.437 χ²/NDF:6013519.6/29
Out: 20382.429+/-4.112 χ²/NDF:6648785.8/33
All: 20711.888+/-3.016 χ²/NDF: 12676203.7



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.709+/-66.785 χ^2/NDF:7.2/14

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 122.205+/-55.490 χ^2/NDF:5.9/13

Left: 128.945+/-42.680 χ^2/NDF: 13.1/28

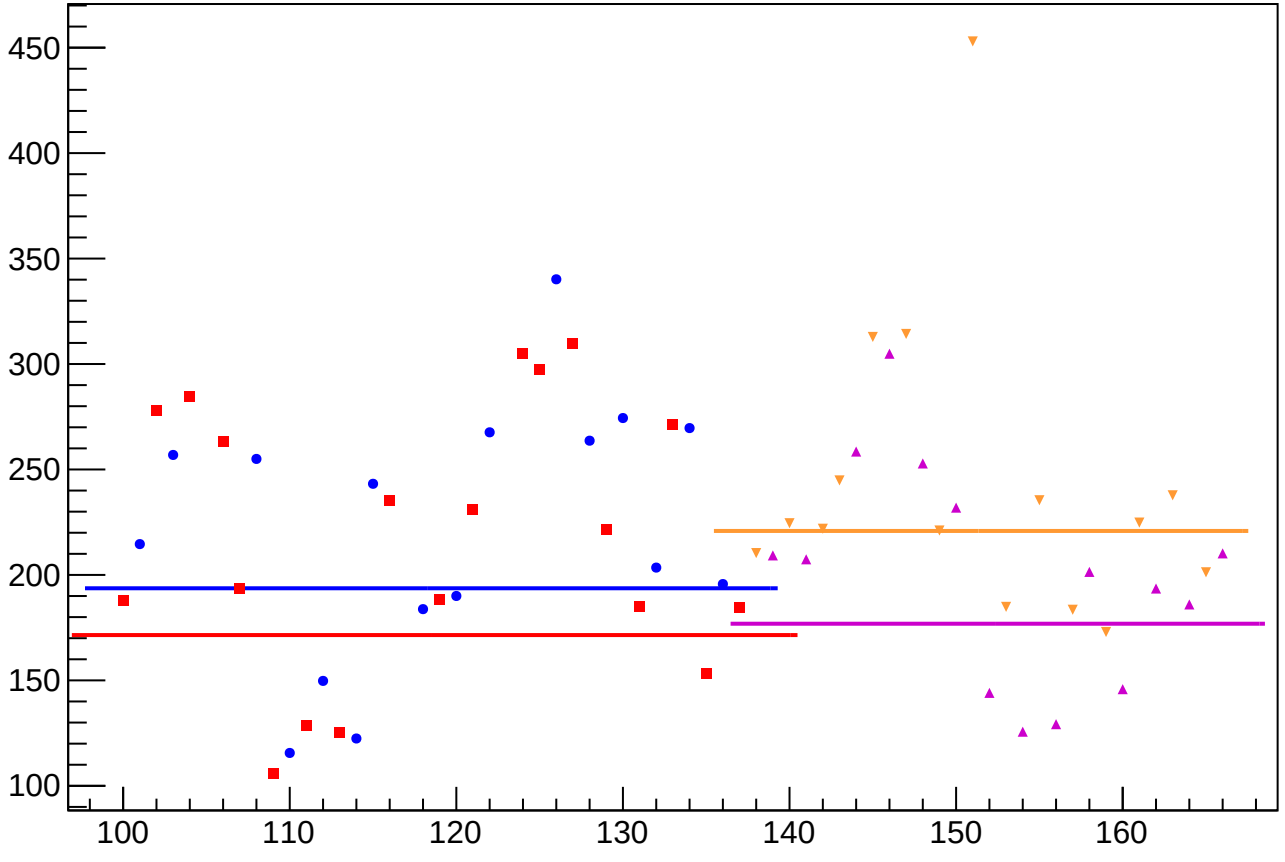
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 65.591+/-44.848 χ^2/NDF:24.4/29

Out: 0.156+/-47.676 χ^2/NDF:29.0/33

All: 34.872+/-32.666 χ^2/NDF: 54.4/63

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 220.851+/-0.047 χ^2/NDF:990768.0/14

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 176.864+/-0.039 χ^2/NDF:1492110.6/13

Left: 194.828+/-0.030 χ^2/NDF: 2996165.4/28

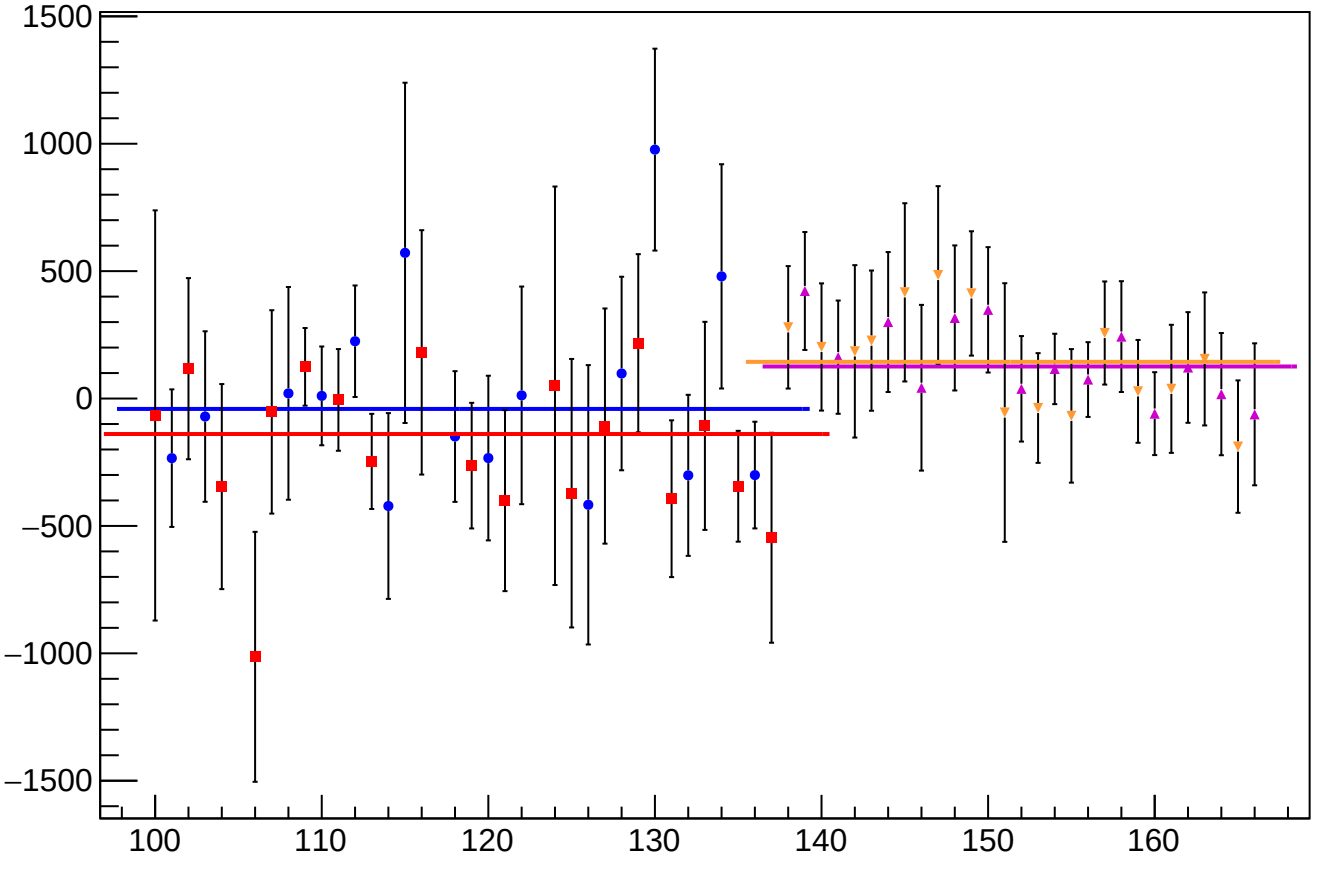
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.692+/-0.032 χ^2/NDF:2605508.9/29

Out: 196.641+/-0.034 χ^2/NDF:3179683.0/33

All: 189.241+/-0.023 χ^2/NDF: 5876031.1/63

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 143.993+/-66.995 χ^2/NDF:7.2/14

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 125.752+/-55.632 χ^2/NDF:6.0/13

Left: 133.197+/-42.799 χ^2/NDF: 13.2/28

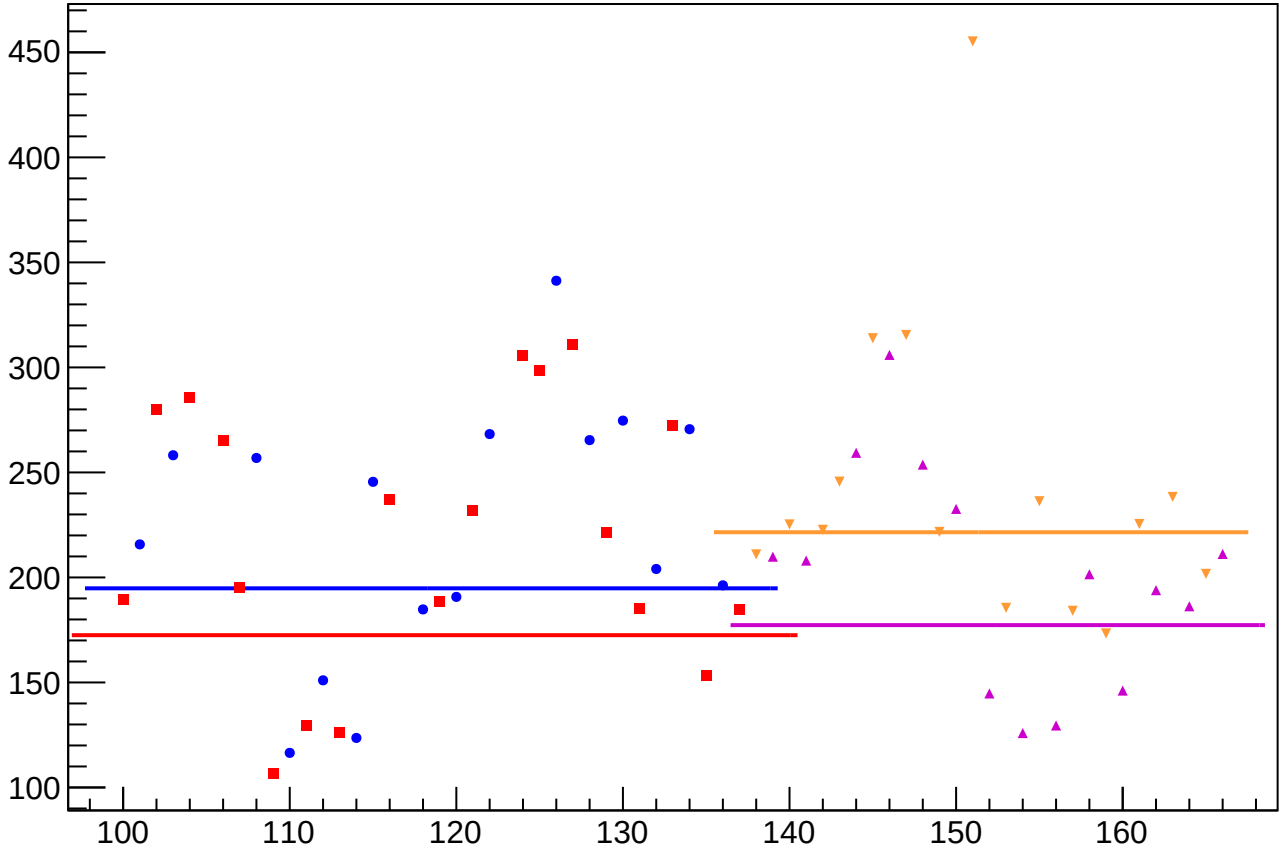
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 68.218+/-45.009 χ^2/NDF:24.4/29

Out: 5.414+/-47.882 χ^2/NDF:28.9/33

All: 38.757+/-32.795 χ^2/NDF: 54.2/63

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.522+/-0.047 χ^2/NDF:993229.0/14

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 177.295+/-0.039 χ^2/NDF:1495381.3/13

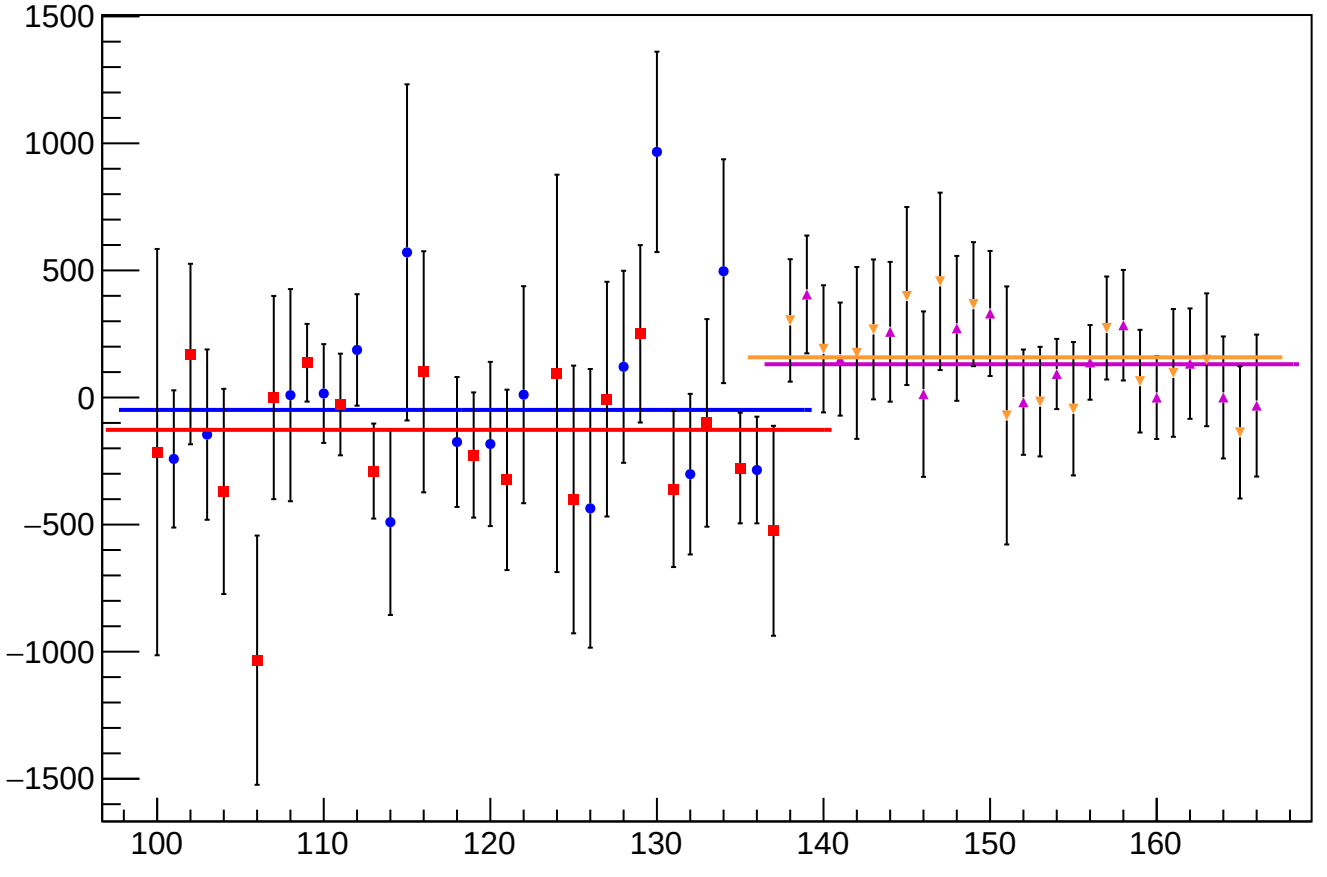
Left: 195.345+/-0.030 χ^2/NDF: 3004506.8/28

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.349+/-0.032 χ^2/NDF:2603035.6/29

Out: 197.545+/-0.034 χ^2/NDF:3159003.3/33

All: 190.008+/-0.023 χ^2/NDF: 5855369.8/63



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 130.924+/-55.685 χ^2/NDF:5.0/13

Left: 142.059+/-42.840 χ^2/NDF: 11.0/28

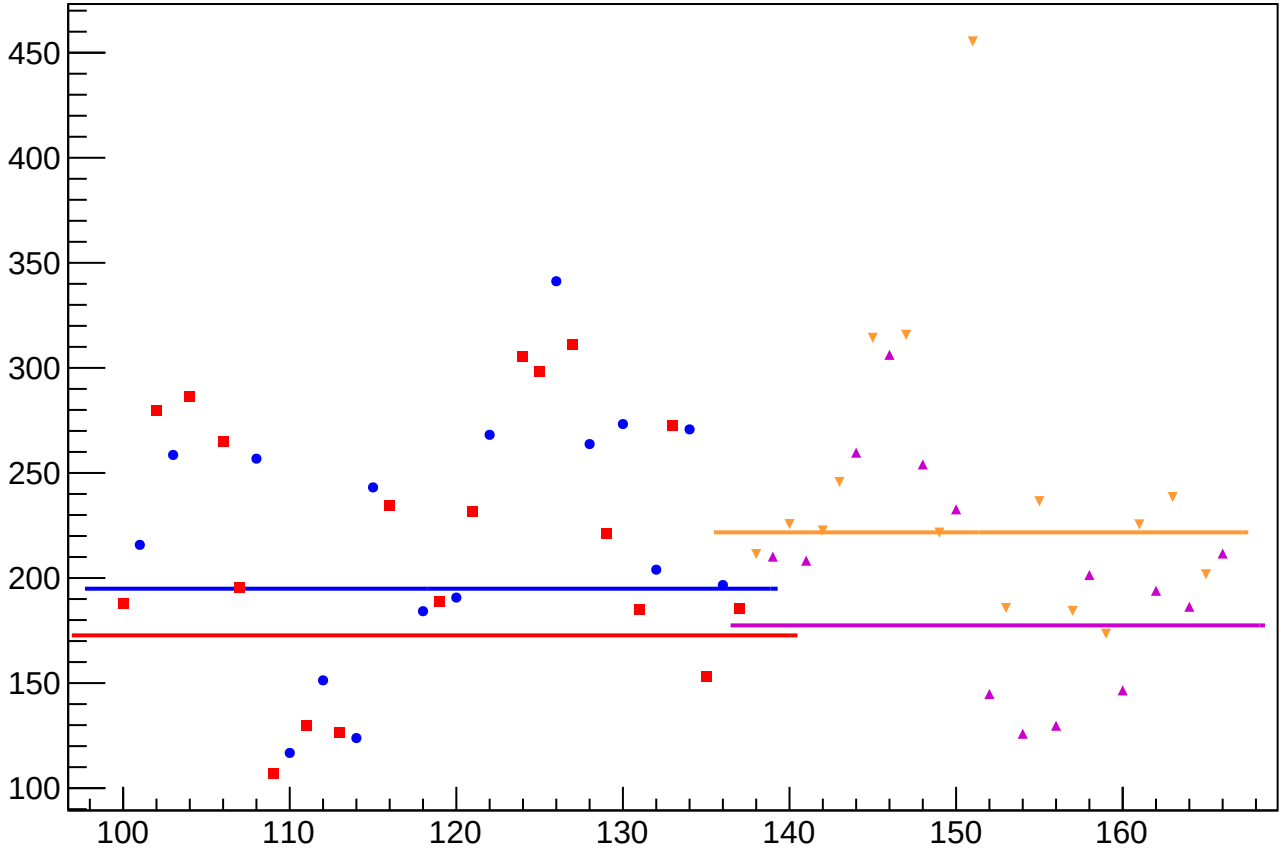
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.793+/-45.039 χ^2/NDF:24.1/29

Out: 18.529+/-47.921 χ^2/NDF:27.6/33

All: 45.218+/-32.819 χ^2/NDF: 52.2/63

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.466+/-0.039 χ^2/NDF:1494976.9/13

Left: 195.533+/-0.030 χ^2/NDF: 3003192.8/28

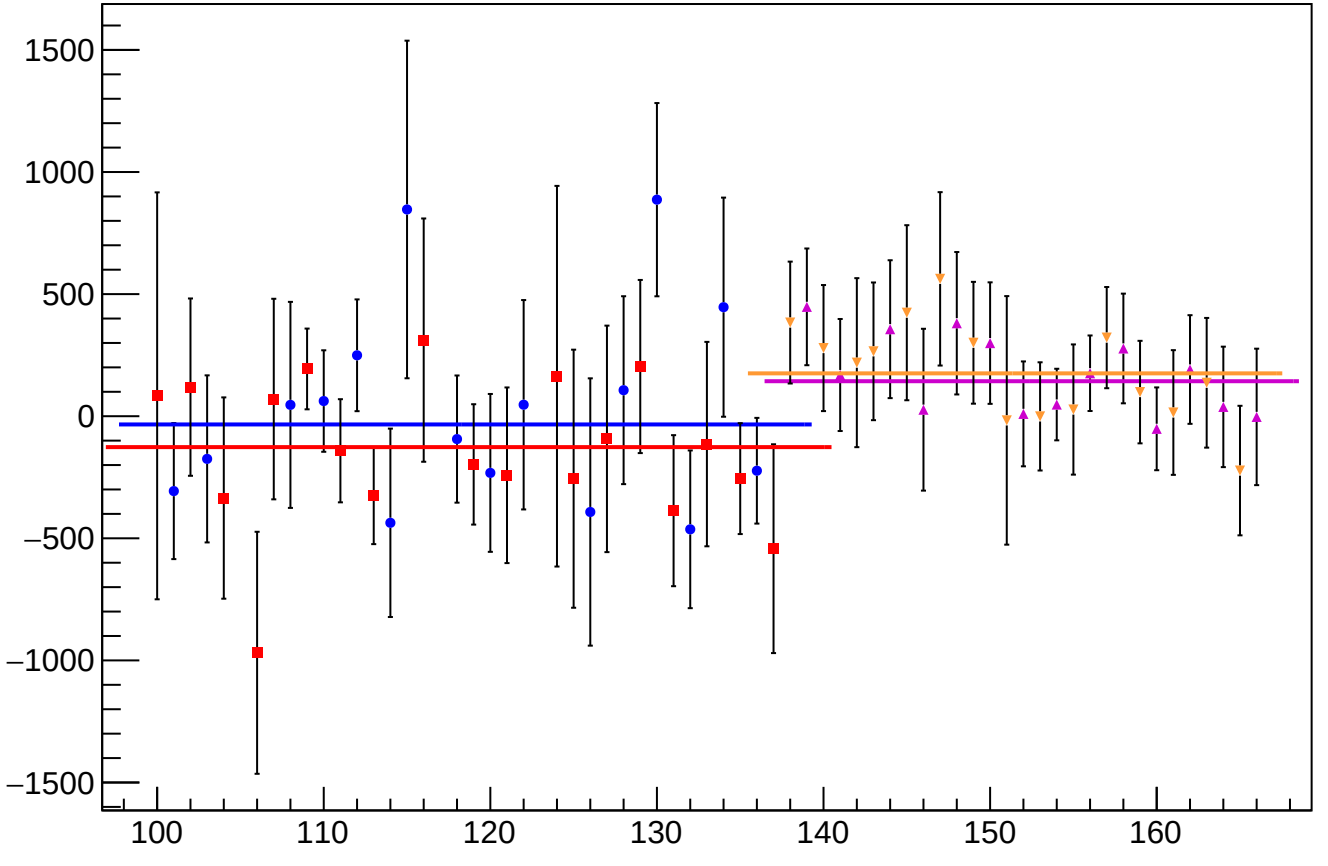
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.502+/-0.032 χ^2/NDF:2591847.8/29

Out: 197.743+/-0.034 χ^2/NDF:3146868.8/33

All: 190.182+/-0.023 χ^2/NDF: 5832498.0/63

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 175.472+/-68.714 χ^2/NDF:7.3/14

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 143.310+/-57.718 χ^2/NDF:6.4/13

Left: 156.615+/-44.195 χ^2/NDF: 13.8/28

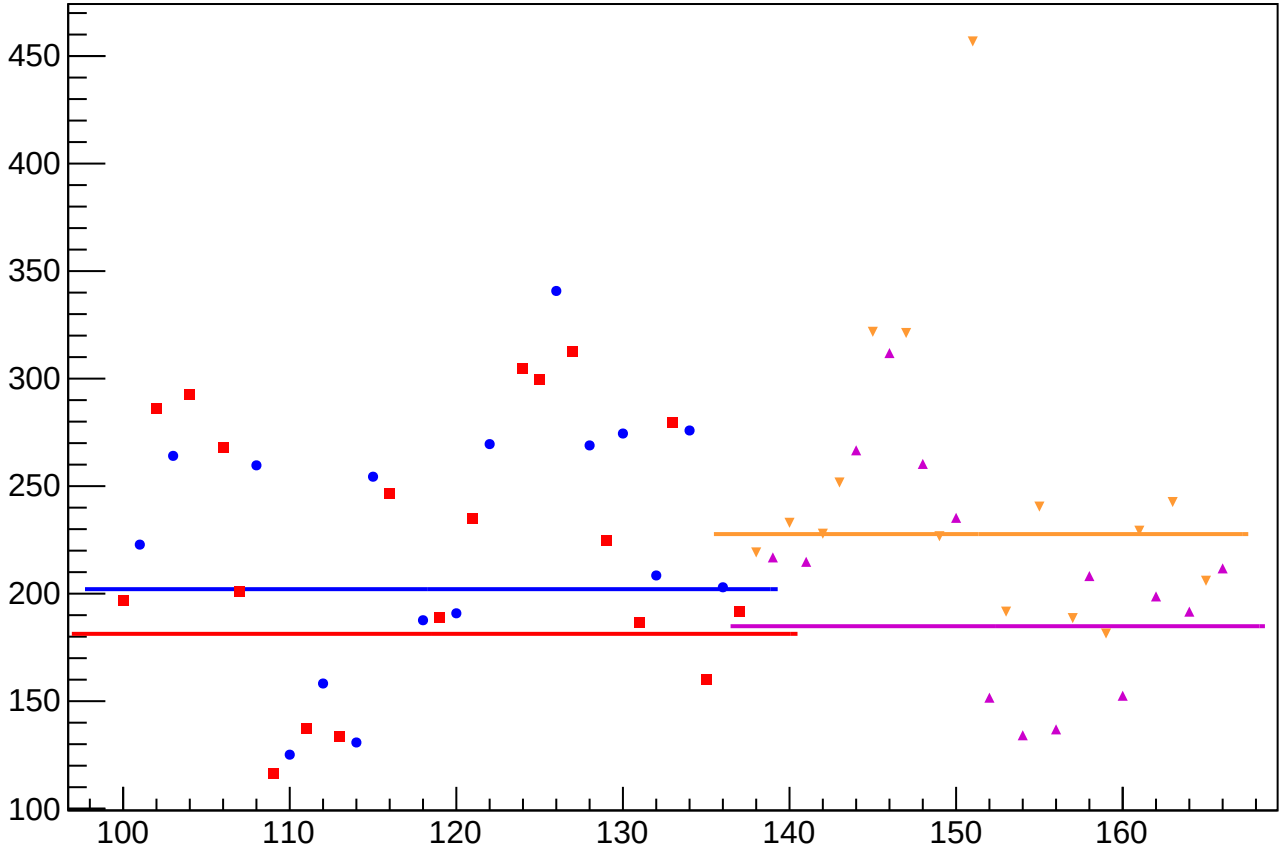
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 81.692+/-46.604 χ^2/NDF:25.4/29

Out: 30.051+/-49.480 χ^2/NDF:29.3/33

All: 57.416+/-33.925 χ^2/NDF: 55.3/63

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 227.702+/-0.049 χ^2/NDF:944916.9/14

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 184.866+/-0.041 χ^2/NDF:1349534.5/13

Left: 202.587+/-0.031 χ^2/NDF: 2750159.6/28

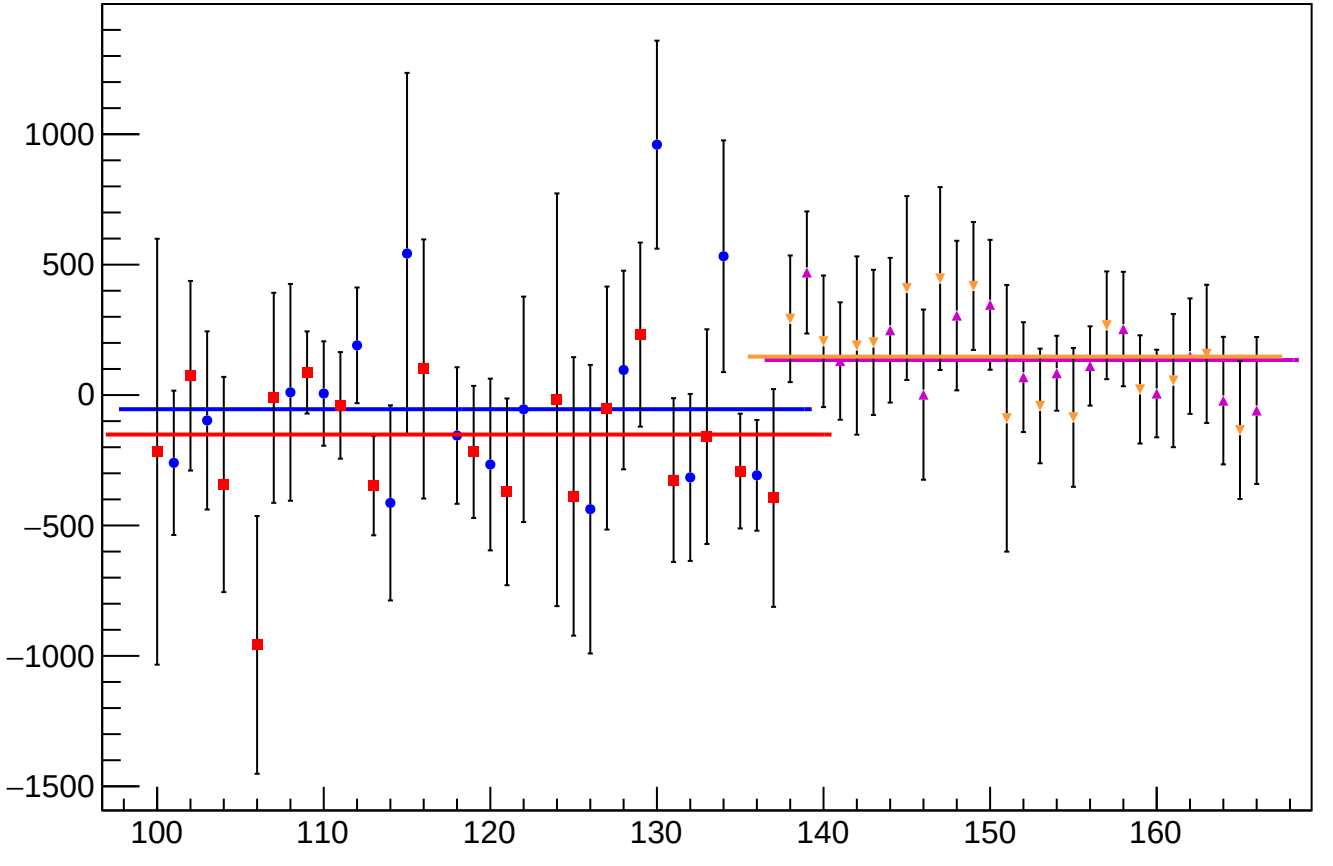
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.861+/-0.033 χ^2/NDF:2321781.3/29

Out: 205.367+/-0.035 χ^2/NDF:2824795.4/33

All: 197.680+/-0.024 χ^2/NDF: 5237663.0/63

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 147.343+/-68.016 χ^2/NDF:6.7/14

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 134.426+/-56.890 χ^2/NDF:5.5/13

Left: 139.743+/-43.638 χ^2/NDF: 12.2/28

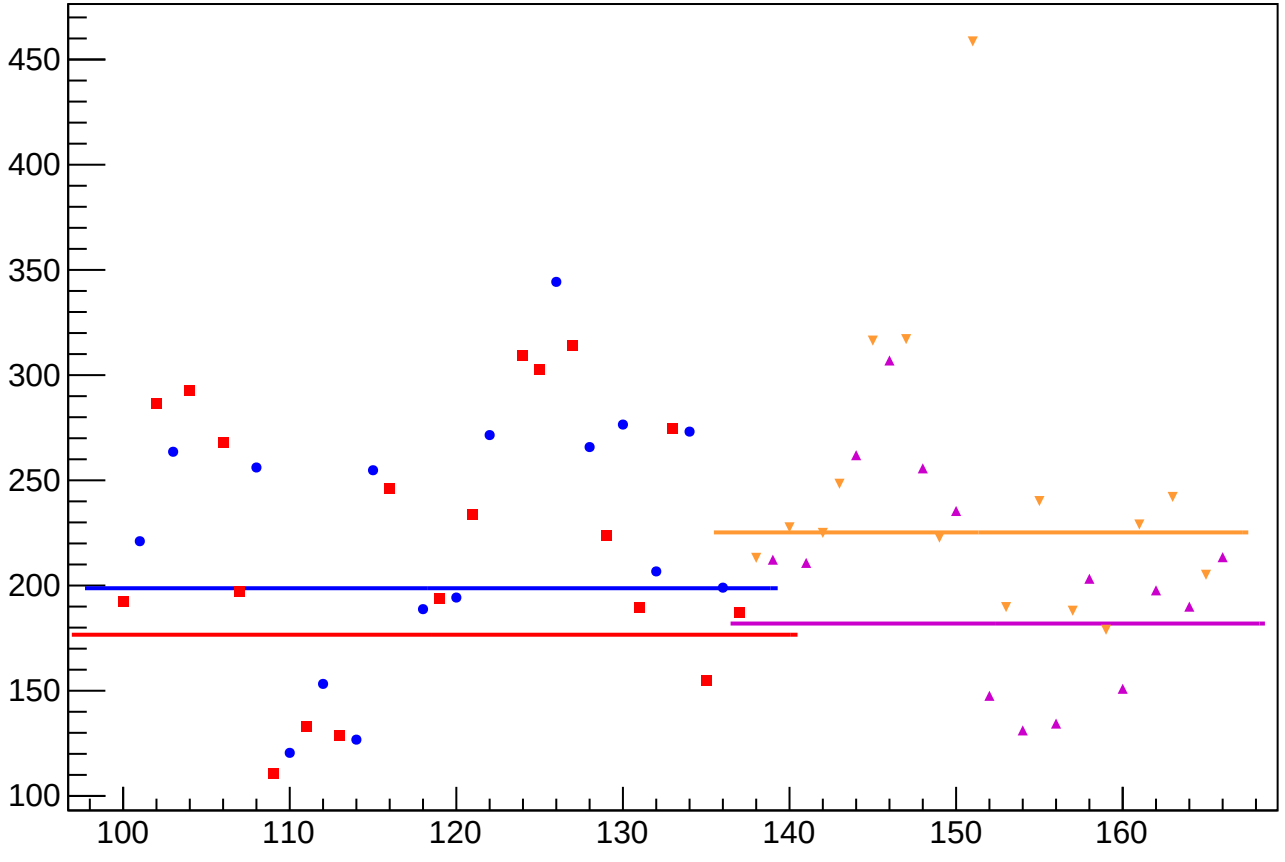
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 68.849+/-45.952 χ^2/NDF:24.4/29

Out: 2.076+/-48.748 χ^2/NDF:26.3/33

All: 37.432+/-33.438 χ^2/NDF: 51.6/63

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.244+/-0.048 χ^2/NDF:949770.8/14

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 181.936+/-0.040 χ^2/NDF:1374551.5/13

Left: 199.763+/-0.031 χ^2/NDF: 2801414.4/28

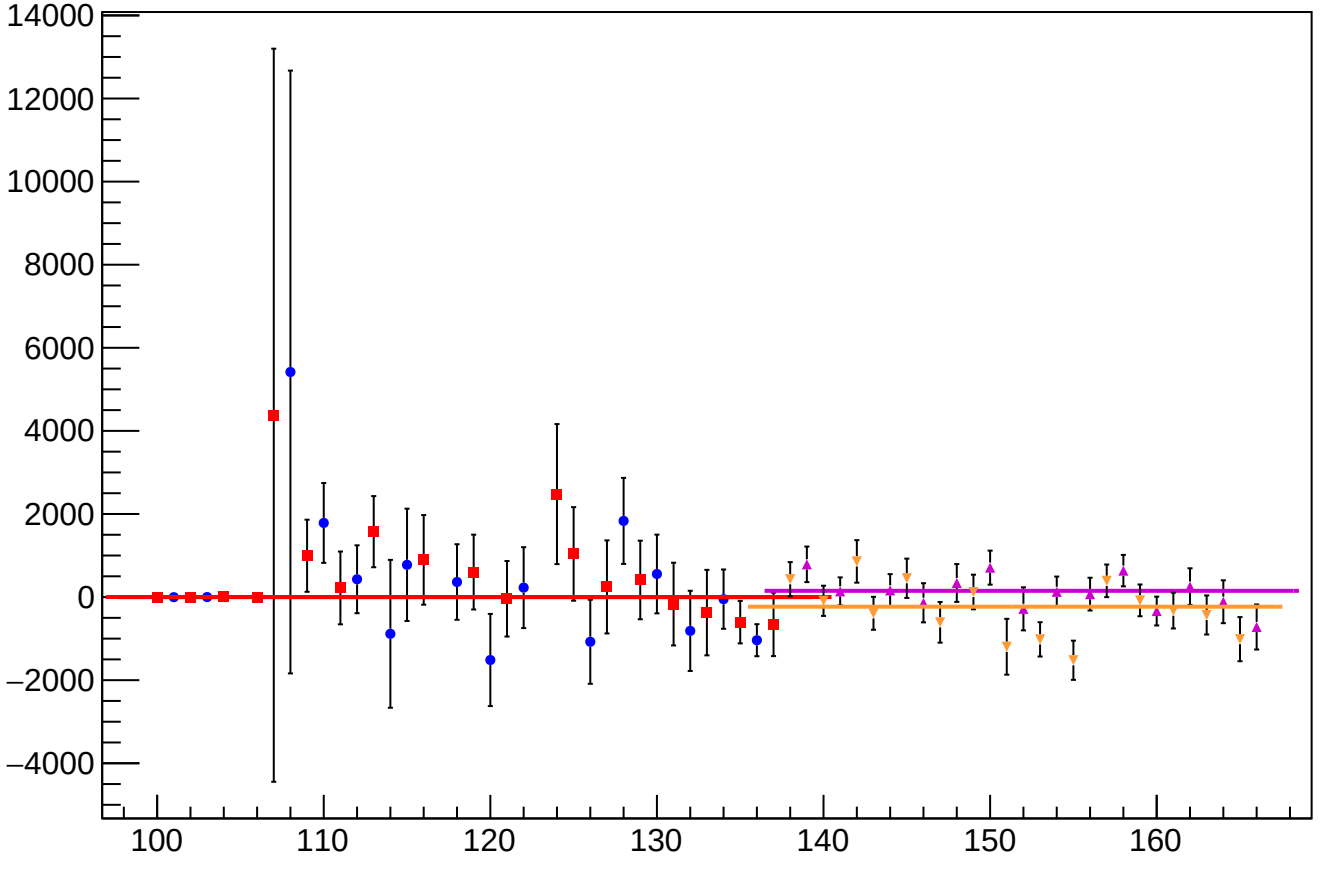
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.769+/-0.032 χ^2/NDF:2429110.1/29

Out: 201.598+/-0.034 χ^2/NDF:3042555.6/33

All: 194.275+/-0.024 χ^2/NDF: 5556885.5/63

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -231.400+/-113.663 χ^2/NDF:29.0/14

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 150.477+/-110.908 χ^2/NDF:11.9/13

Left: -35.778+/-79.380 χ^2/NDF: 46.7/28

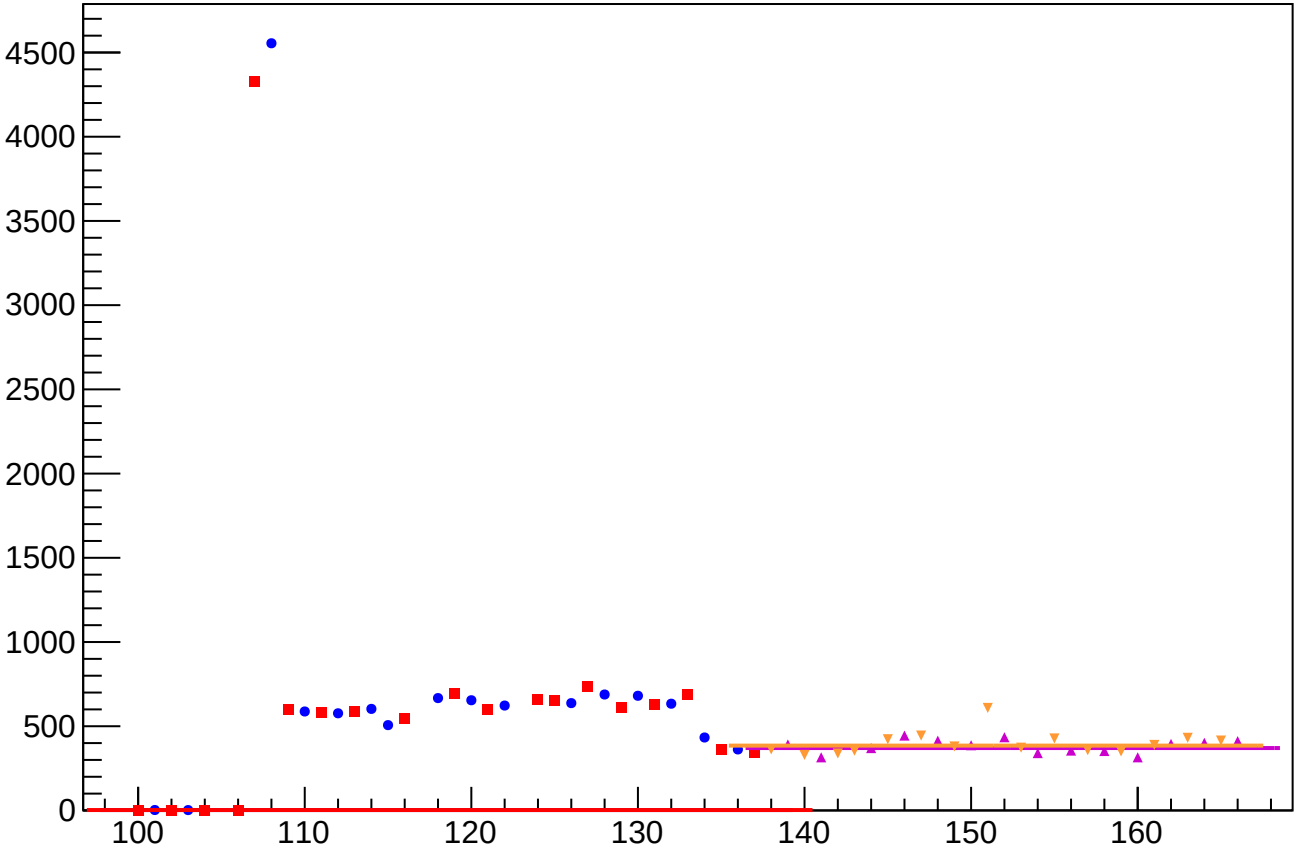
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.181+/-2.170 χ^2/NDF:33.7/29

Out: 1.304+/-2.022 χ^2/NDF:50.1/33

All: 0.149+/-1.479 χ^2/NDF: 84.4/63

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.983+/-0.080 χ^2/NDF:415133.2/14

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 370.483+/-0.078 χ^2/NDF:256299.1/13

Left: 377.555+/-0.056 χ^2/NDF: 688105.8/28

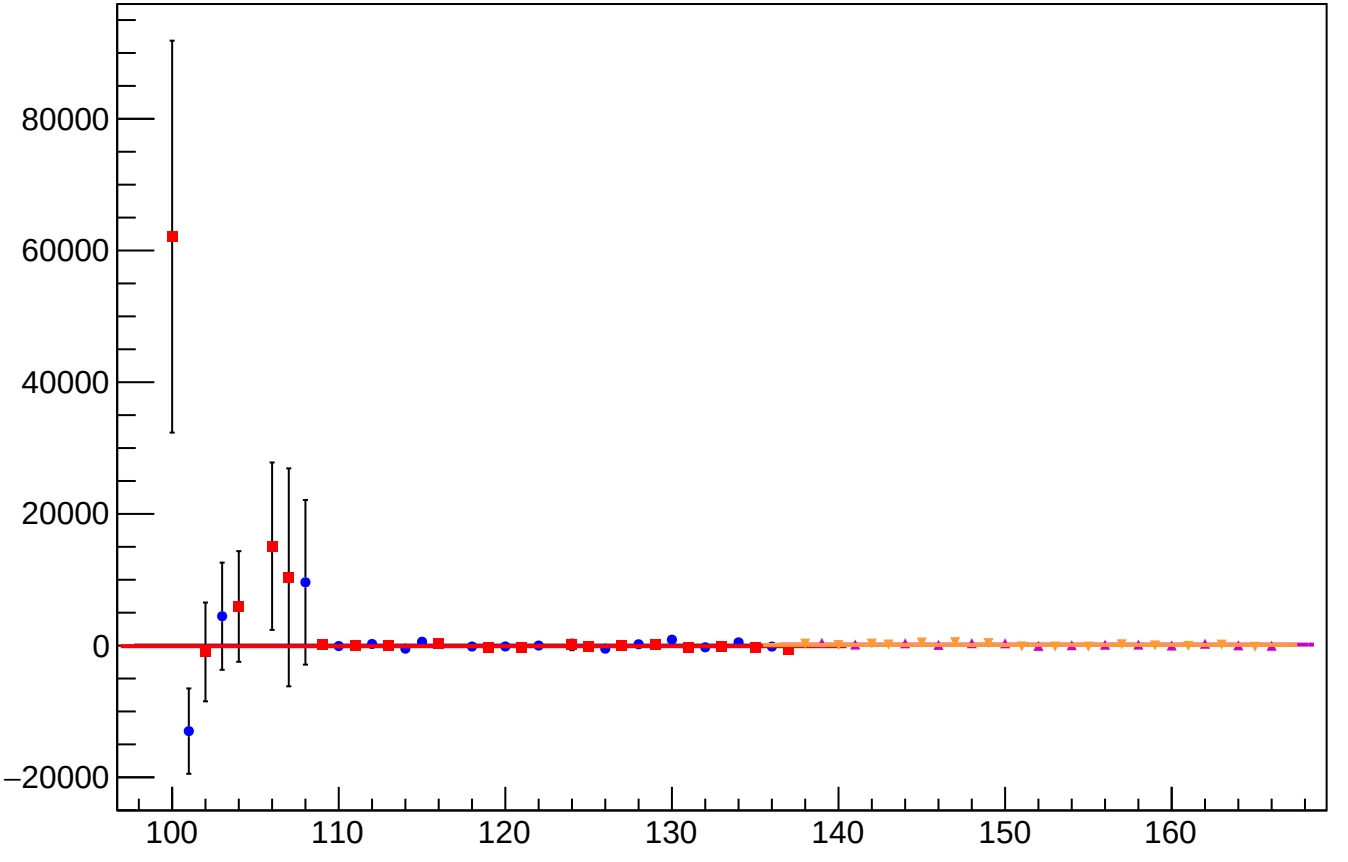
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.618+/-0.002 χ^2/NDF:33893744.7/29

Out: 2.583+/-0.001 χ^2/NDF:34605189.5/33

All: 2.599+/-0.001 χ^2/NDF: 68499203.2/63

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 99.184+/-71.305 χ^2/NDF:8.3/14

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 151.391+/-60.540 χ^2/NDF:5.2/13

Left: 129.522+/-46.150 χ^2/NDF: 13.8/28

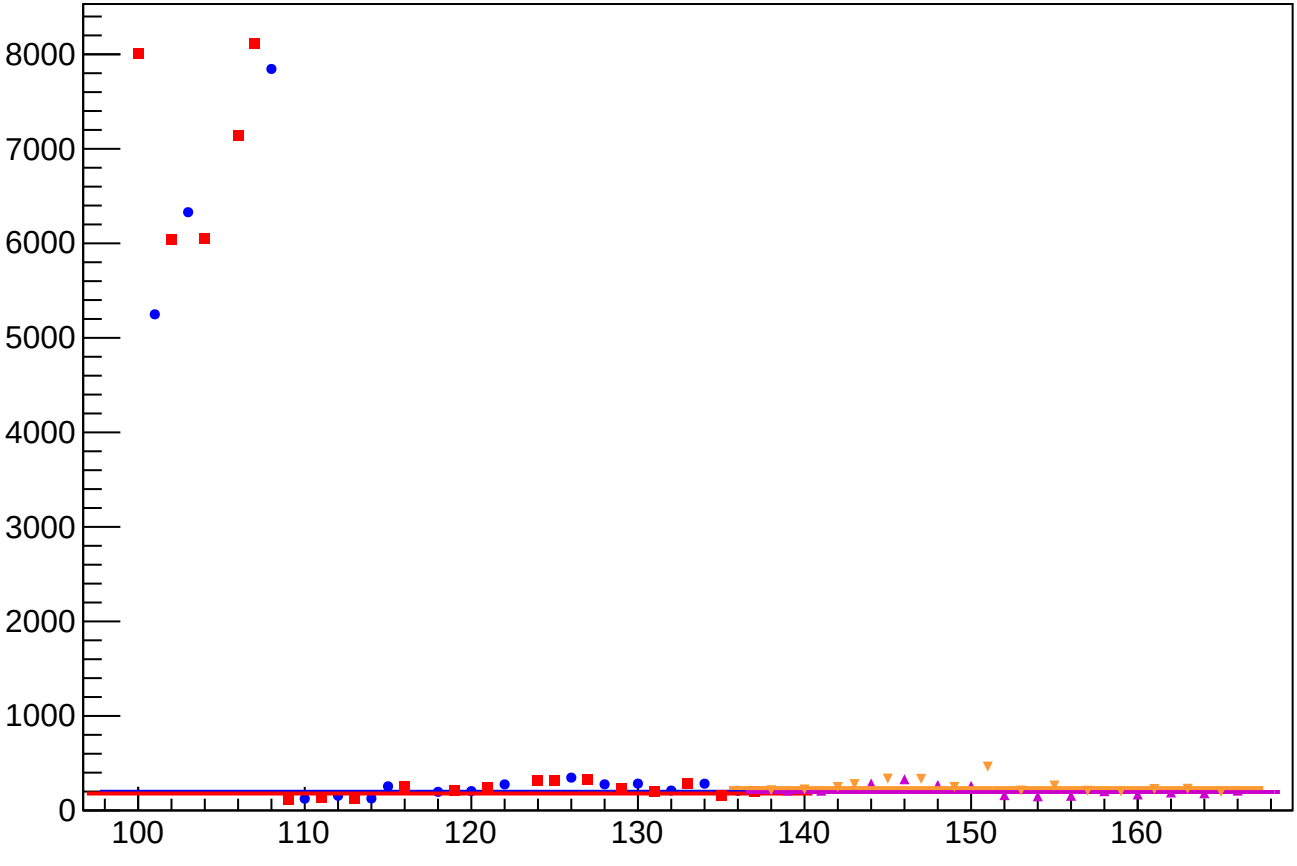
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 102.810+/-49.845 χ^2/NDF:24.1/29

Out: 18.105+/-53.695 χ^2/NDF:26.1/33

All: 63.602+/-36.531 χ^2/NDF: 51.5/63

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 236.781+/-0.050 χ^2/NDF:911754.3/14

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.365+/-0.043 χ^2/NDF:1076469.2/13

Left: 212.714+/-0.033 χ^2/NDF: 2380310.1/28

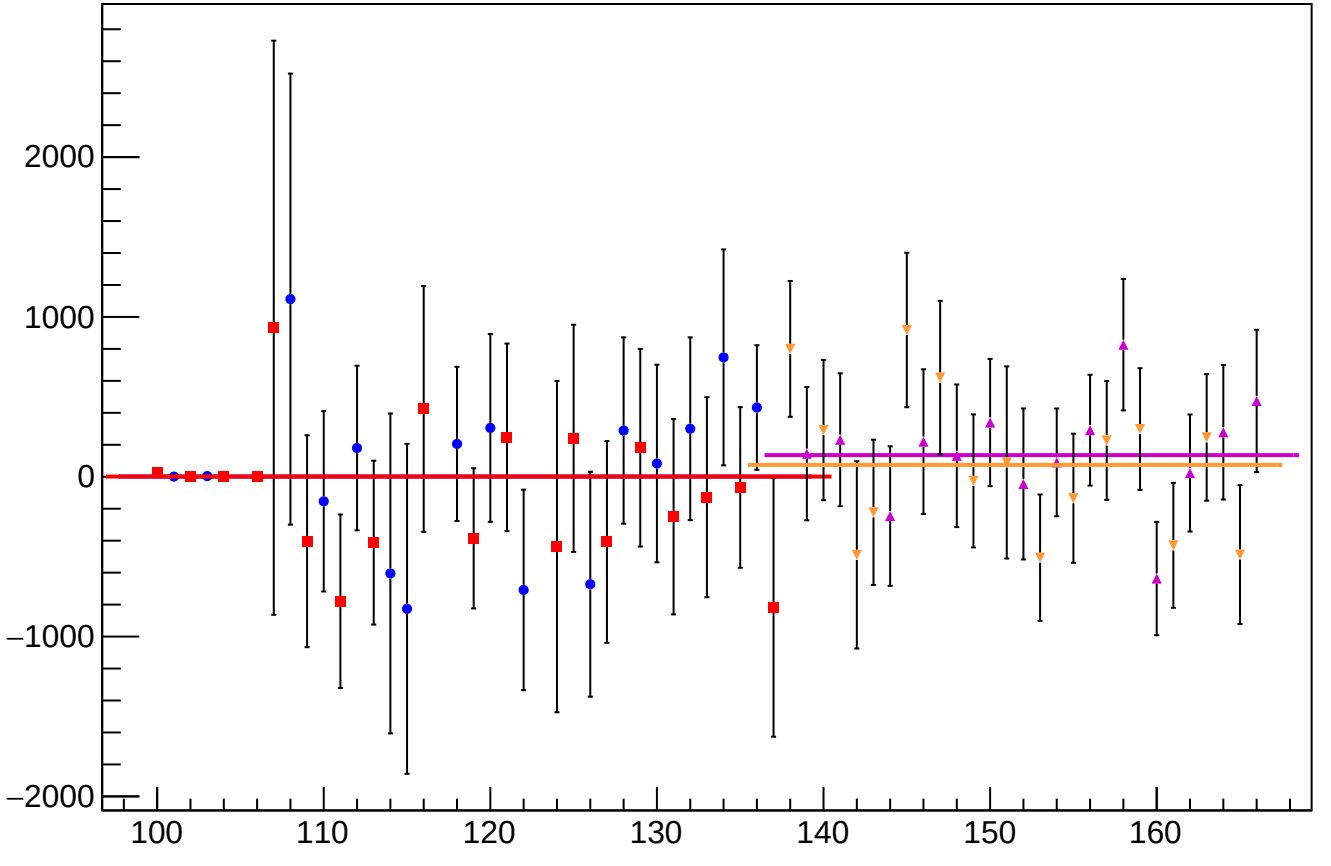
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.091+/-0.035 χ^2/NDF:5034555.5/29

Out: 211.873+/-0.038 χ^2/NDF:5893850.9/33

All: 203.396+/-0.026 χ^2/NDF: 11021209.7/63

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 74.187+/-111.421 χ^2/NDF:15.4/14

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 135.398+/-107.438 χ^2/NDF:9.8/13

Left: 105.906+/-77.340 χ^2/NDF: 25.4/28

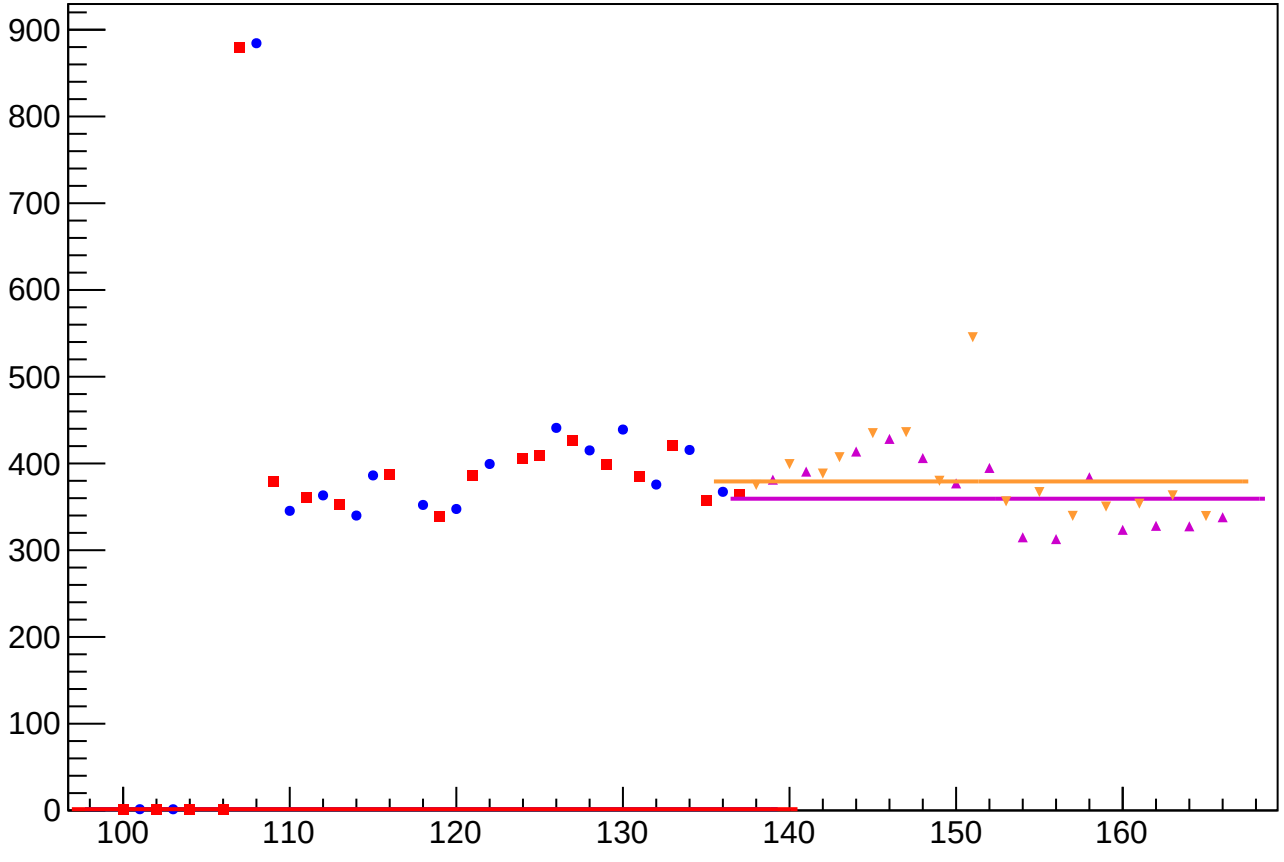
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.488+/-1.660 χ^2/NDF:19.3/29

Out: 1.107+/-1.528 χ^2/NDF:25.0/33

All: 1.282+/-1.124 χ^2/NDF: 44.3/63

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 379.282+/-0.079 χ^2/NDF:291506.9/14

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 359.361+/-0.076 χ^2/NDF:260808.6/13

Left: 368.959+/-0.055 χ^2/NDF: 585444.6/28

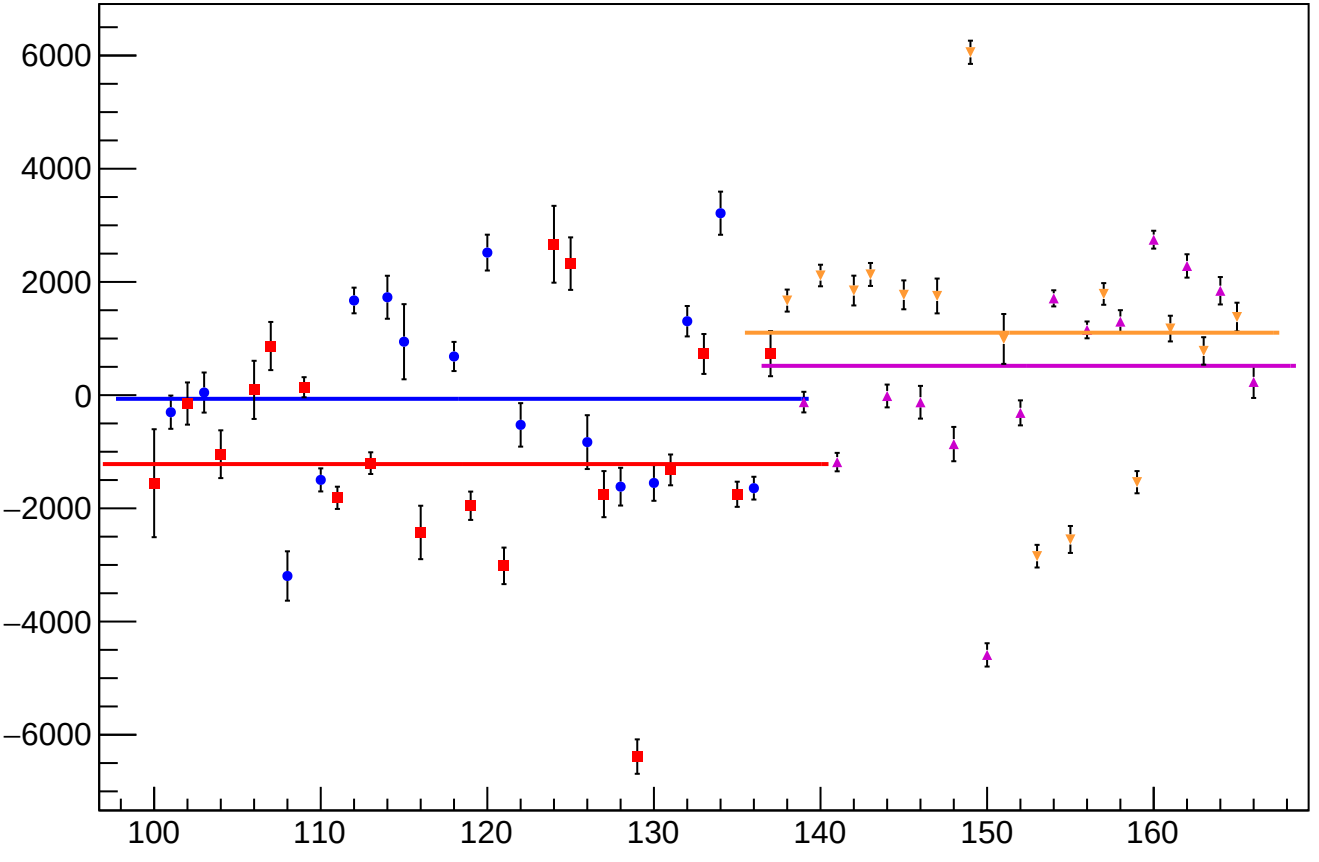
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.556+/-0.001 χ^2/NDF:34183787.9/29

Out: 1.538+/-0.001 χ^2/NDF:34553739.9/33

All: 1.546+/-0.001 χ^2/NDF: 68737647.4/63

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1103.059+/-58.194 χ^2/NDF:1486.4/14

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 517.691+/-51.871 χ^2/NDF:1189.9/13

Left: 776.855+/-38.722 χ^2/NDF: 2732.7/28

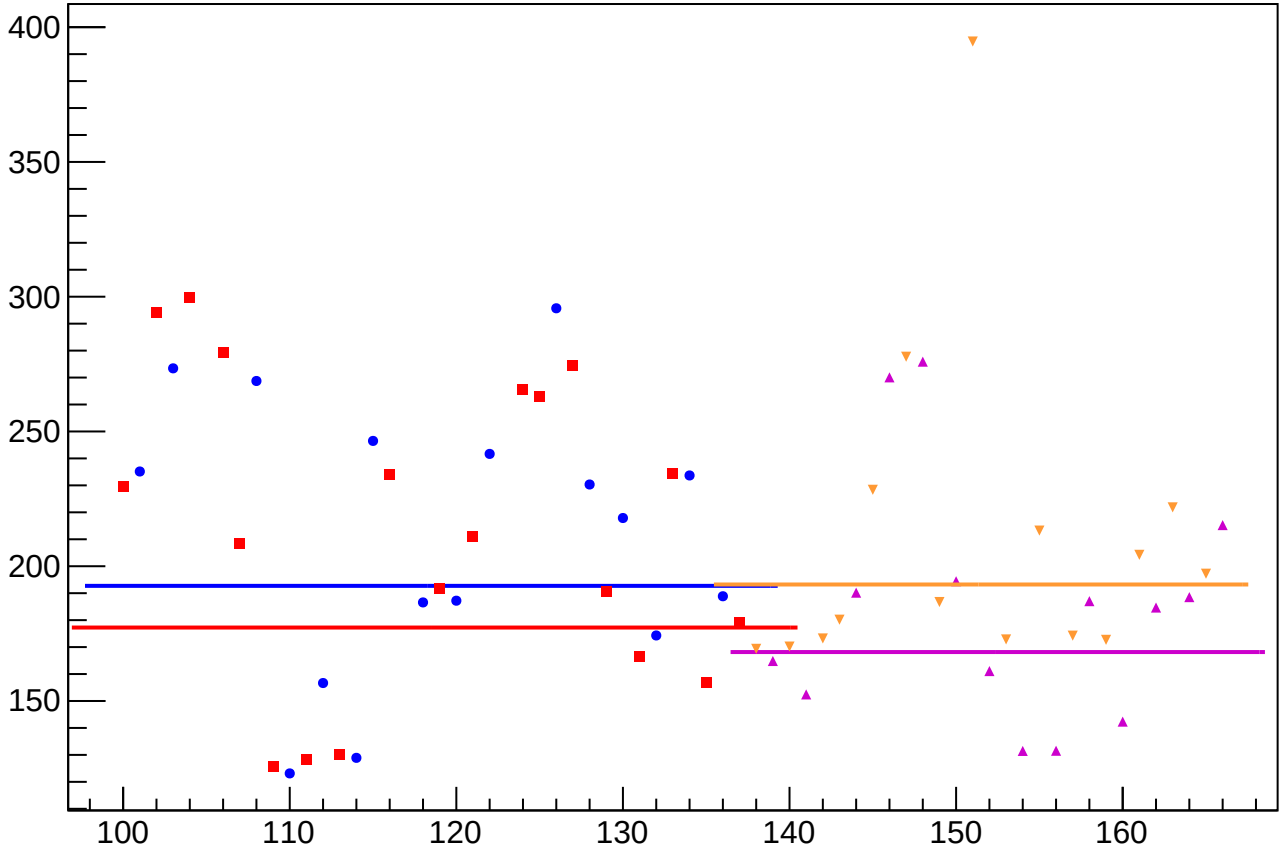
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 328.800+/-42.642 χ^2/NDF:1700.2/29

Out: 138.726+/-44.491 χ^2/NDF:2741.9/33

All: 237.794+/-30.786 χ^2/NDF: 4451.7/63

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.224+/-0.041 χ^2/NDF:797756.0/14

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 168.157+/-0.037 χ^2/NDF:986023.3/13

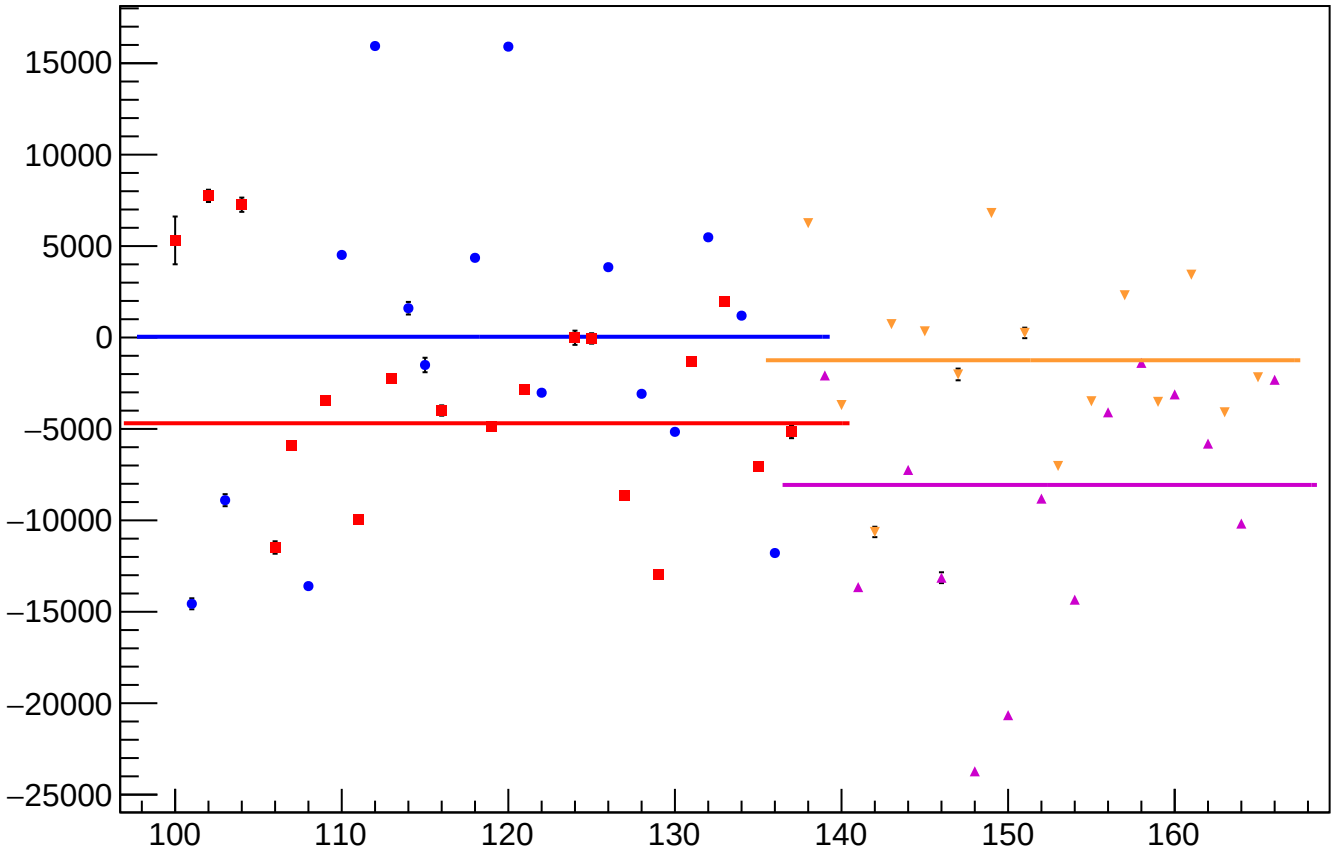
Left: 179.255+/-0.027 χ^2/NDF: 1990570.4/28

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 176.119+/-0.030 χ^2/NDF:1890543.0/29

Out: 186.587+/-0.031 χ^2/NDF:2086540.5/33

All: 181.131+/-0.022 χ^2/NDF: 4034788.8/63



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8062.432+/-51.817 χ^2/NDF:15120.7/13

Left: -4562.626+/-36.149 χ^2/NDF: 31696.9/28

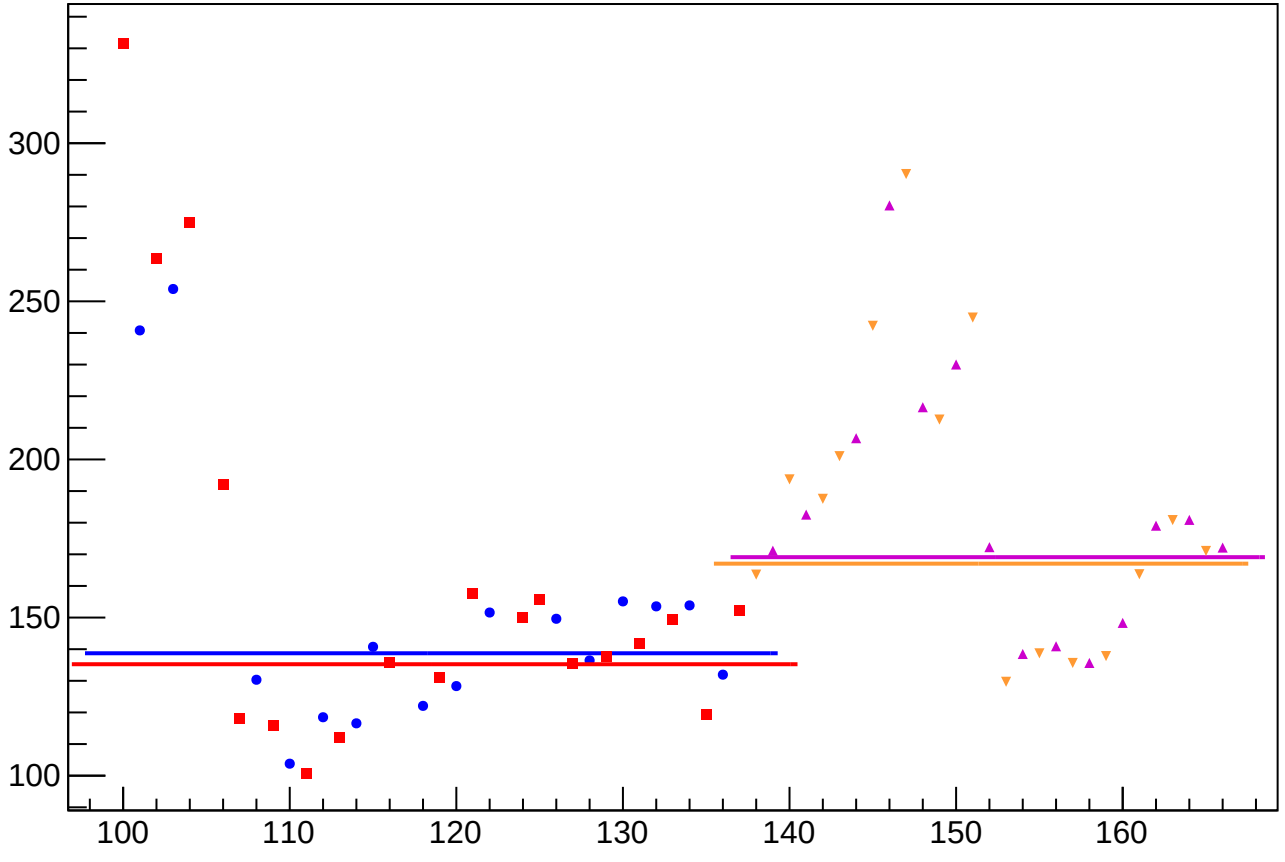
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4192.702+/-37.454 χ^2/NDF:57585.8/29

Out: -2911.959+/-36.243 χ^2/NDF:17741.8/33

All: -3531.295+/-26.045 χ^2/NDF: 75931.4/63

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 169.100+/-0.037 χ^2/NDF:846140.1/13

Left: 168.045+/-0.026 χ^2/NDF: 1985428.9/28

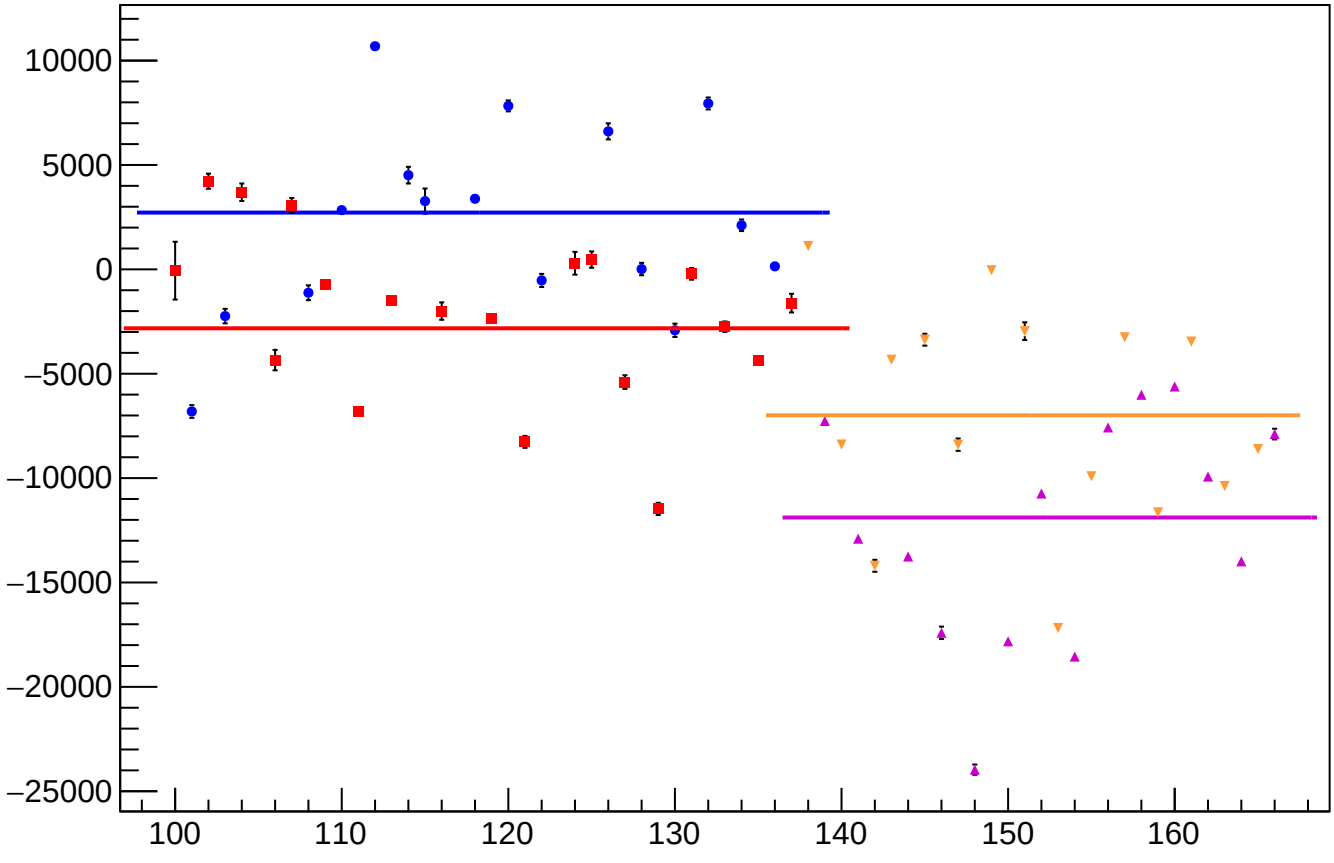
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.588+/-0.026 χ^2/NDF:1832405.7/29

Out: 151.654+/-0.026 χ^2/NDF:2412231.0/33

All: 153.073+/-0.018 χ^2/NDF: 4250977.7/63

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11887.237+/-54.038 χ^2/NDF:9454.8/13

Left: -9676.588+/-40.023 χ^2/NDF: 21072.8/28

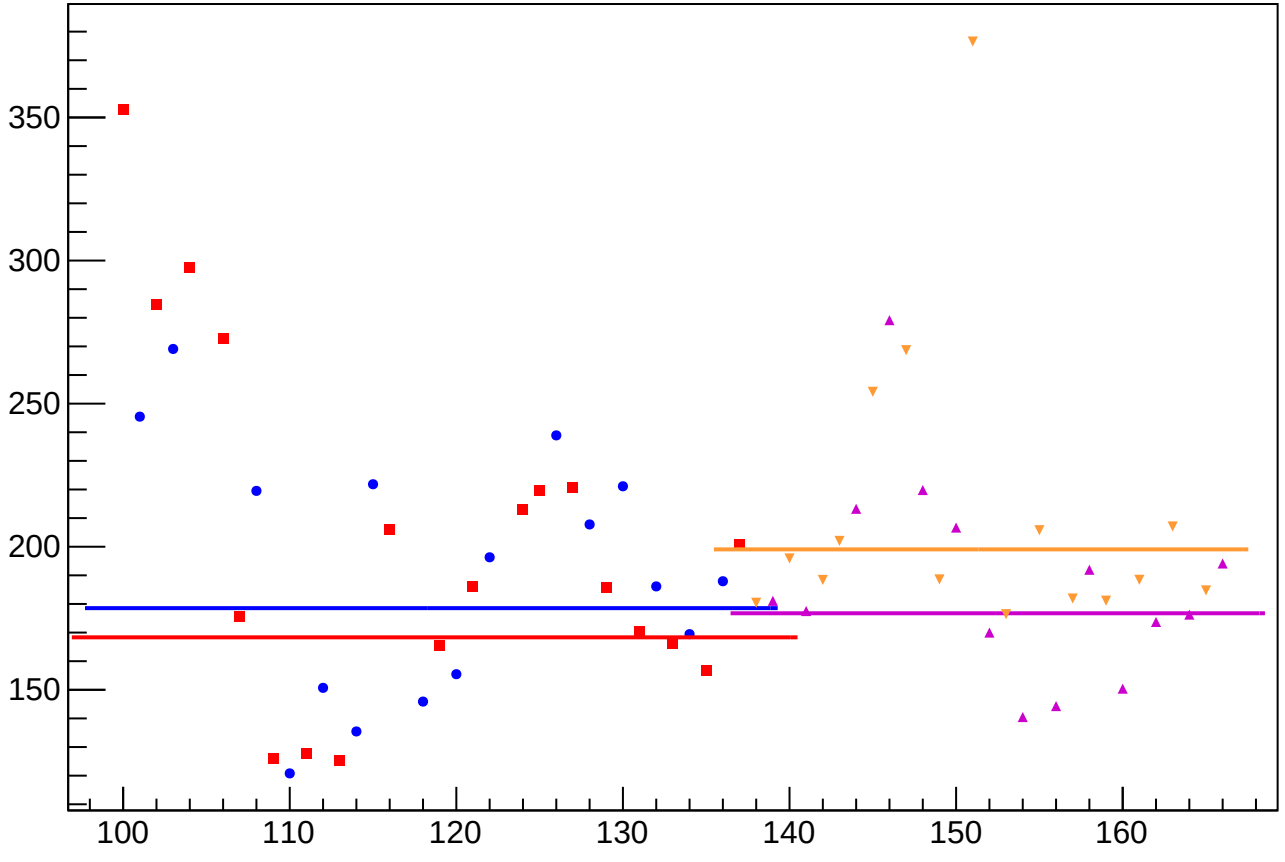
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6358.697+/-42.601 χ^2/NDF:41239.7/29

Out: -5083.500+/-43.870 χ^2/NDF:13212.3/33

All: -5739.803+/-30.562 χ^2/NDF: 54886.8/63

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.746+/-0.038 χ^2/NDF:657381.7/13

Left: 186.825+/-0.028 χ^2/NDF: 1444572.8/28

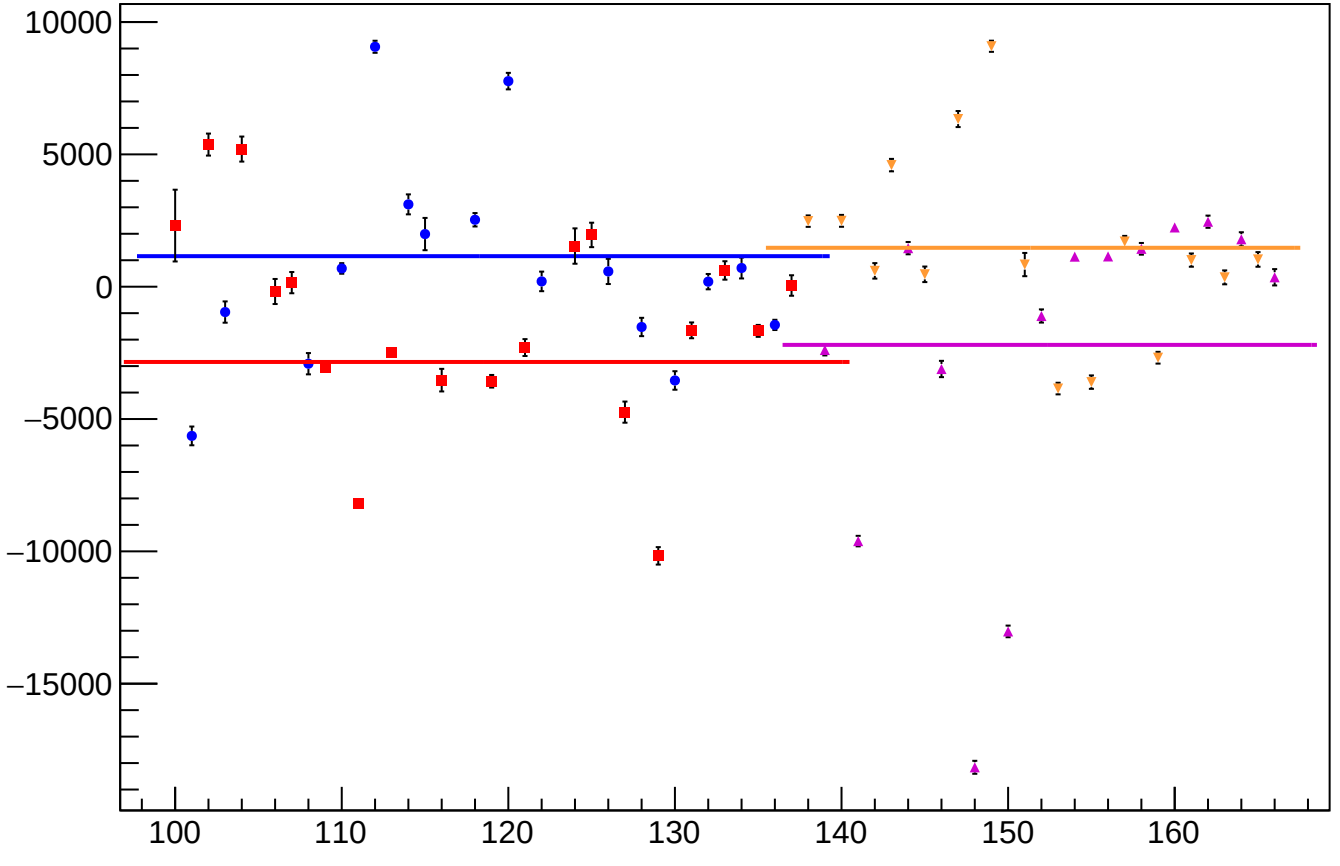
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.425+/-0.030 χ^2/NDF:1332783.1/29

Out: 185.006+/-0.031 χ^2/NDF:1856249.3/33

All: 181.104+/-0.022 χ^2/NDF: 3219767.5/63

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2198.395+/-58.383 χ^2/NDF:10626.1/13

Left: -538.369+/-43.199 χ^2/NDF: 15572.0/28

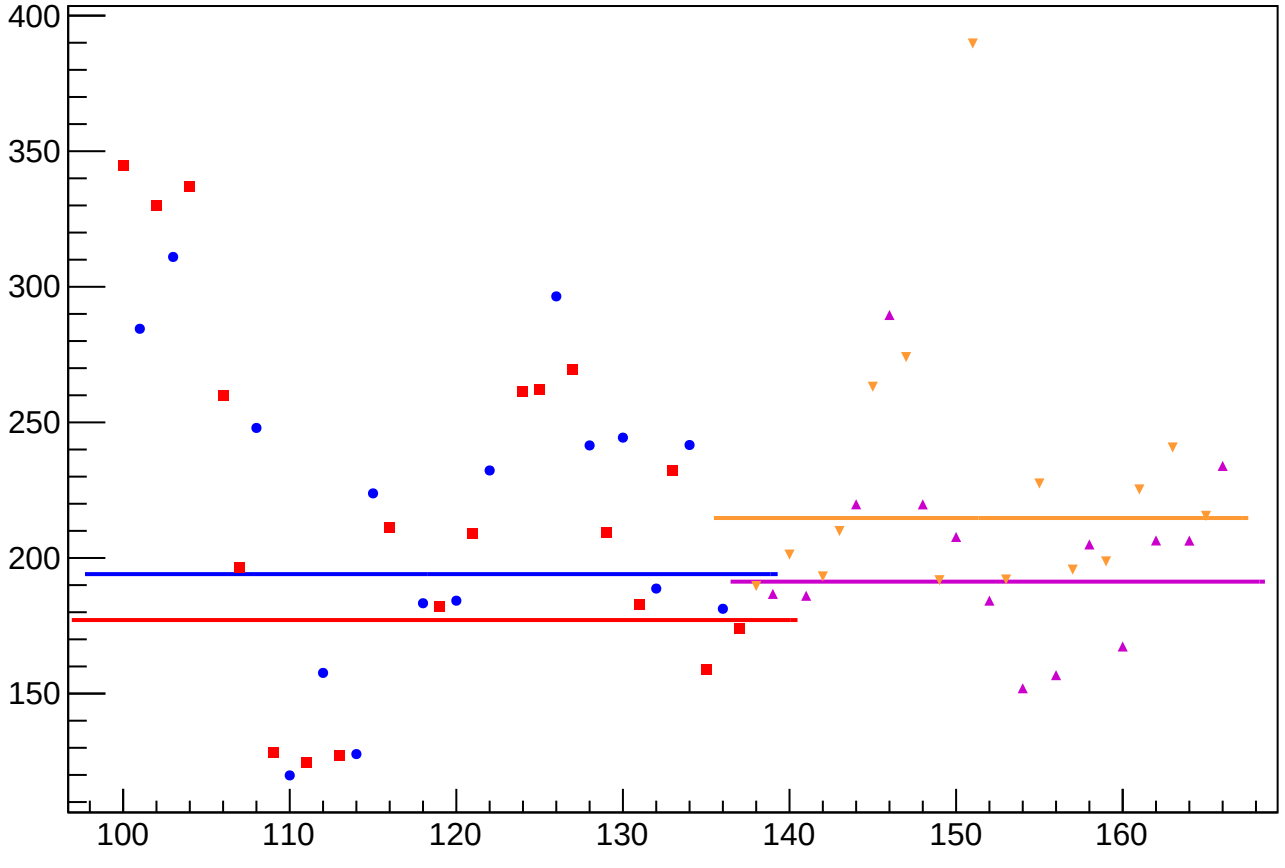
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -953.435+/-46.289 χ^2/NDF:14505.8/29

Out: -527.942+/-47.053 χ^2/NDF:7702.5/33

All: -744.171+/-32.998 χ^2/NDF: 22249.9/63

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.273+/-0.041 χ^2/NDF:560656.9/13

Left: 201.892+/-0.031 χ^2/NDF: 1299489.8/28

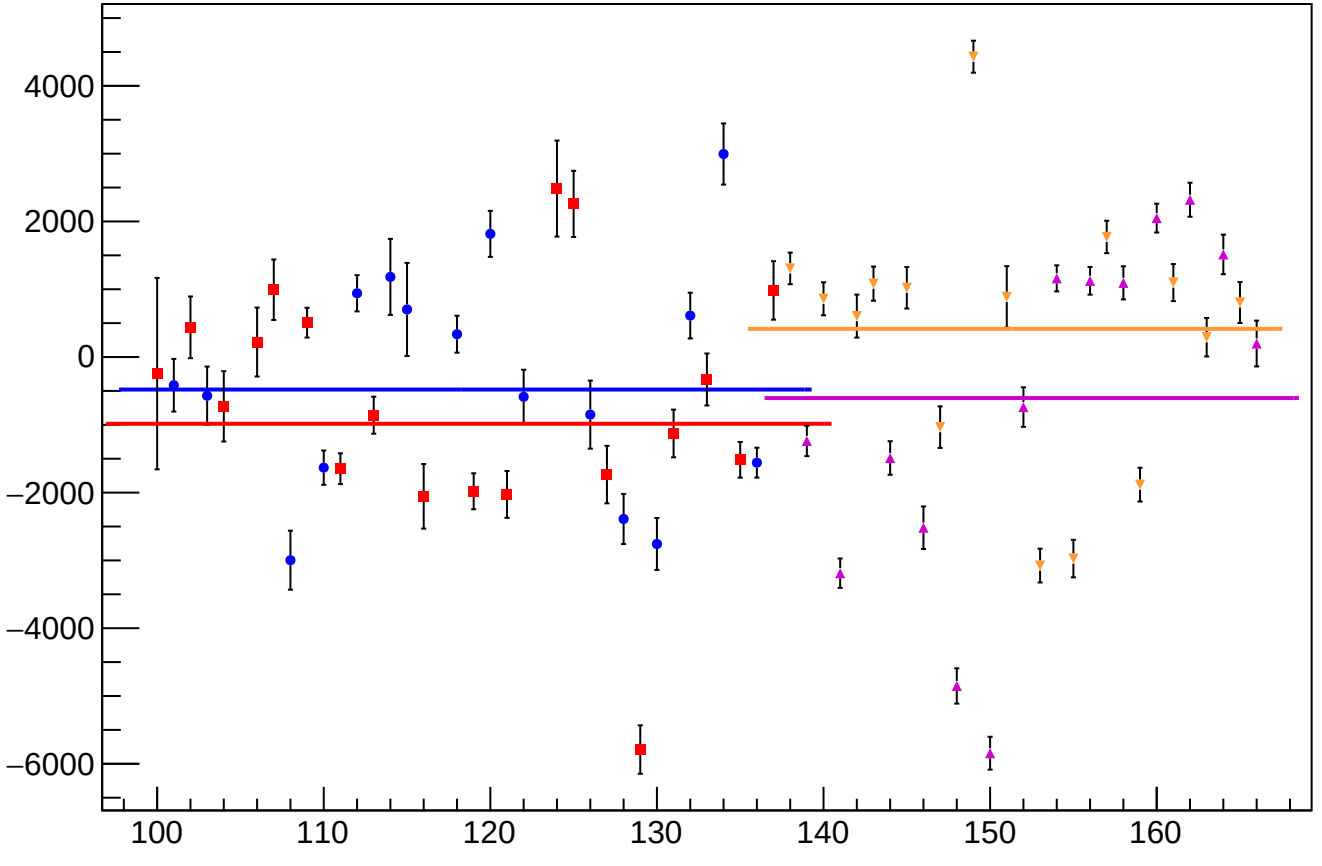
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.305+/-0.033 χ^2/NDF:1528127.2/29

Out: 197.314+/-0.033 χ^2/NDF:2269928.0/33

All: 194.769+/-0.023 χ^2/NDF: 3809569.8/63

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -605.138+/-64.887 χ^2/NDF:1487.8/13

Left: -132.739+/-47.559 χ^2/NDF: 2415.0/28

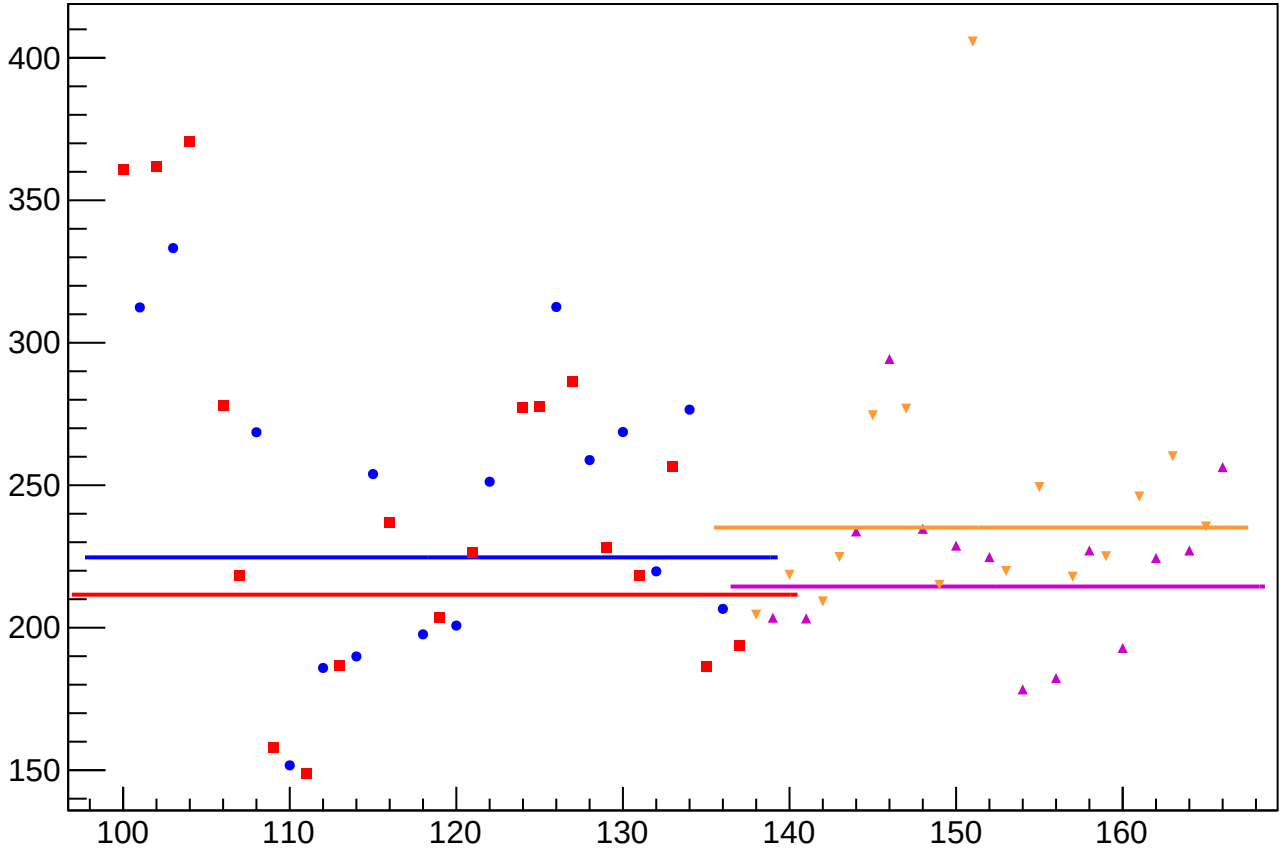
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -559.950+/-51.946 χ^2/NDF:1794.6/29

Out: -182.563+/-52.909 χ^2/NDF:1382.2/33

All: -374.723+/-37.067 χ^2/NDF: 3202.7/63

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 214.451+/-0.046 χ^2/NDF:357133.2/13

Left: 224.032+/-0.034 χ^2/NDF: 924178.1/28

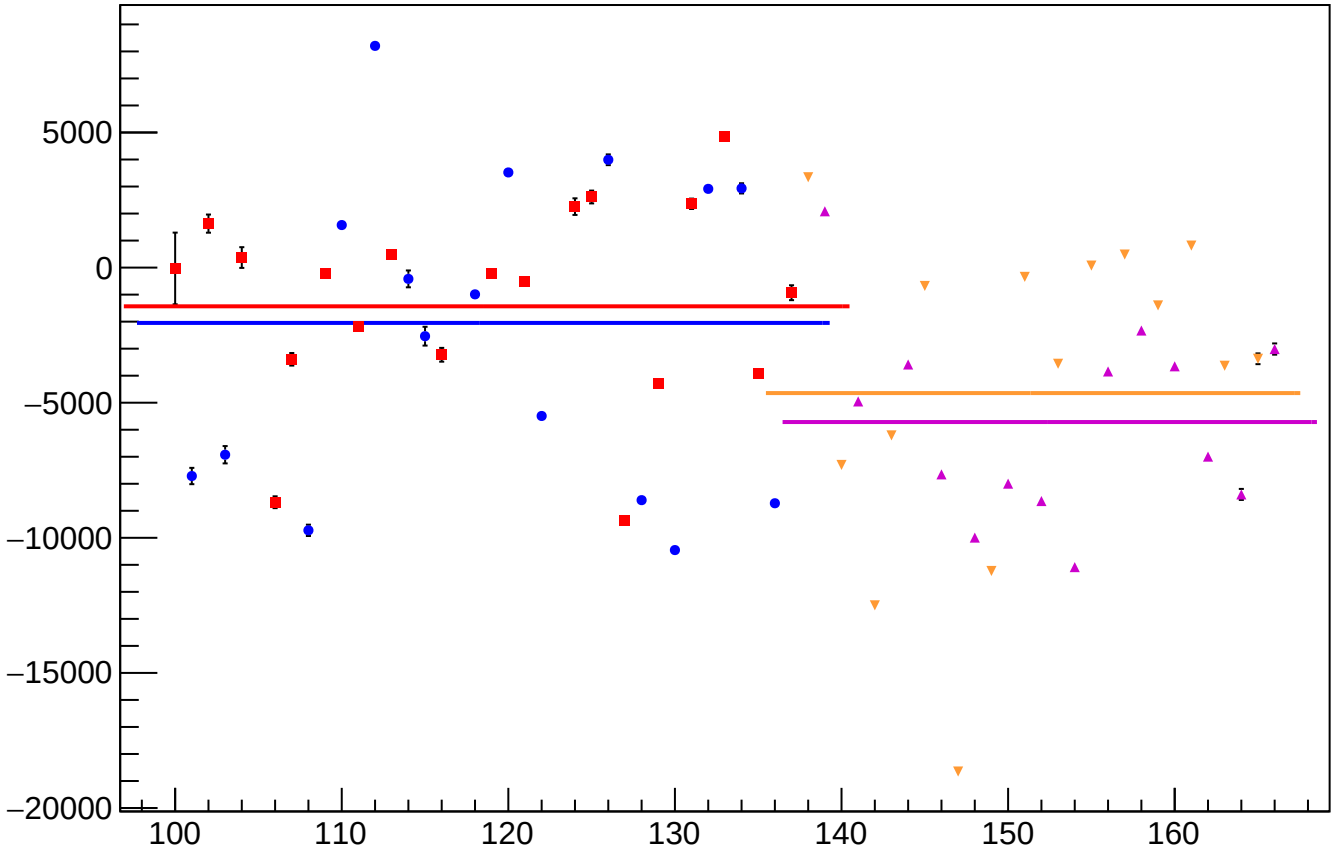
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.125+/-0.037 χ^2/NDF:1028185.1/29

Out: 225.089+/-0.037 χ^2/NDF:1502757.9/33

All: 221.543+/-0.026 χ^2/NDF: 2548583.4/63

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5715.549+/-36.389 χ^2/NDF:9610.7/13

Left: -5165.163+/-25.379 χ^2/NDF: 39792.7/28

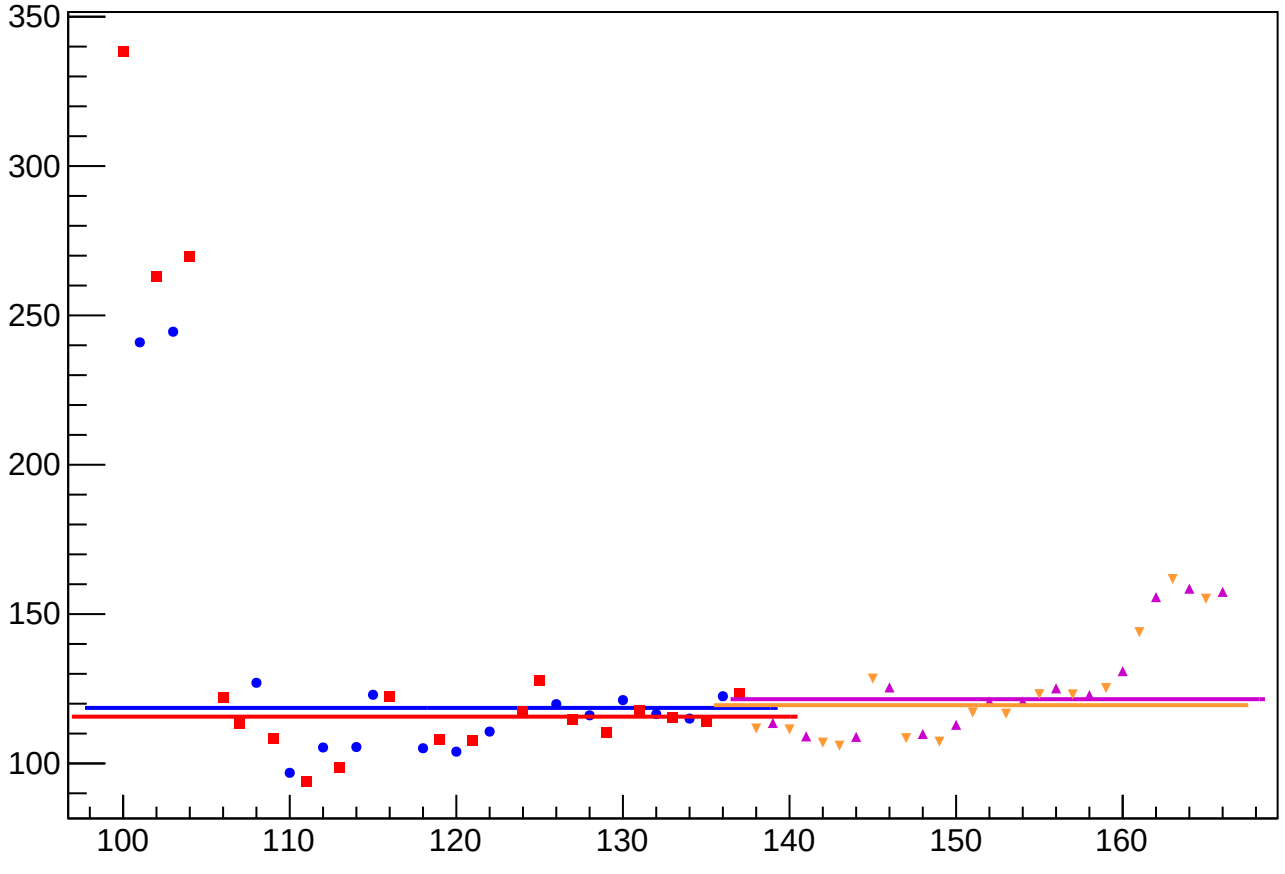
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4330.530+/-28.709 χ^2/NDF:30156.7/29

Out: -3406.611+/-27.765 χ^2/NDF:39292.0/33

All: -3853.137+/-19.958 χ^2/NDF: 69983.9/63

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 121.511+/-0.026 χ^2/NDF:296780.3/13

Left: 120.479+/-0.018 χ^2/NDF: 631794.6/28

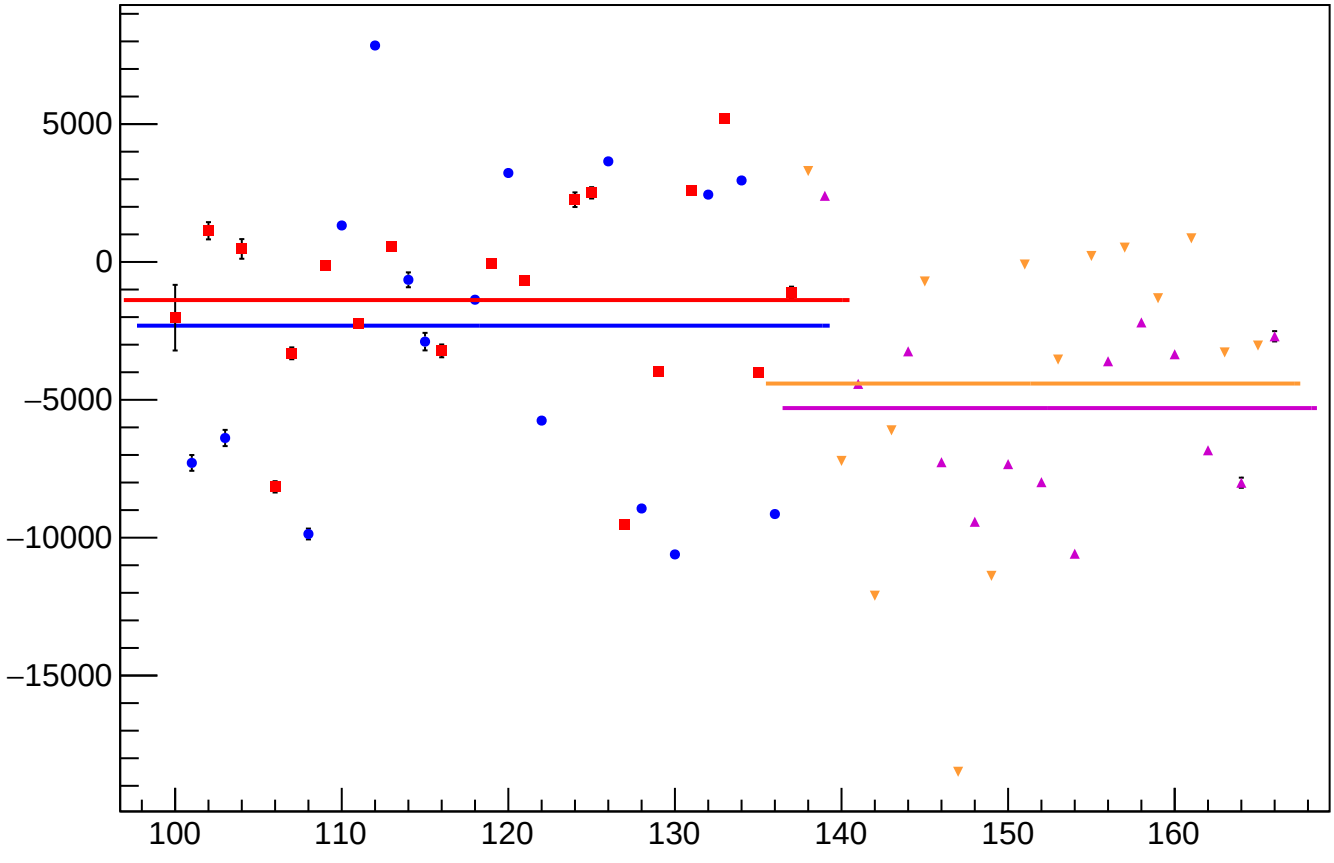
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 120.410+/-0.020 χ^2/NDF:1035786.0/29

Out: 118.022+/-0.020 χ^2/NDF:1205163.3/33

All: 119.176+/-0.014 χ^2/NDF: 2248104.5/63

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4409.970+/-31.755 χ^2/NDF:35957.3/14

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5299.755+/-32.629 χ^2/NDF:11418.8/13

Left: -4842.793+/-22.757 χ^2/NDF: 47758.0/28

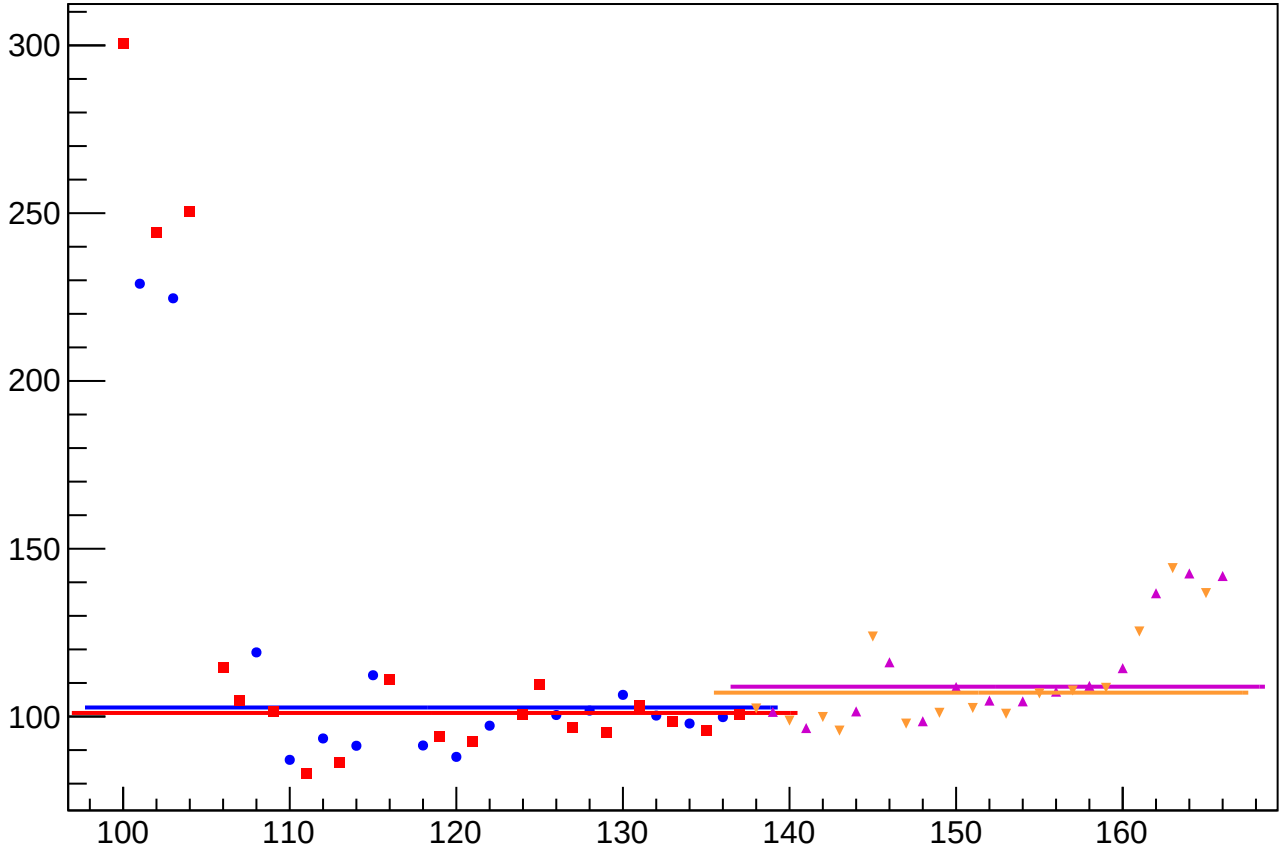
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4131.447+/-25.466 χ^2/NDF:36378.5/29

Out: -3215.521+/-24.710 χ^2/NDF:48122.5/33

All: -3659.685+/-17.734 χ^2/NDF: 85167.3/63

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 107.115+/-0.022 χ^2/NDF:301242.4/14

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 108.892+/-0.023 χ^2/NDF:276045.6/13

Left: 107.979+/-0.016 χ^2/NDF: 580336.2/28

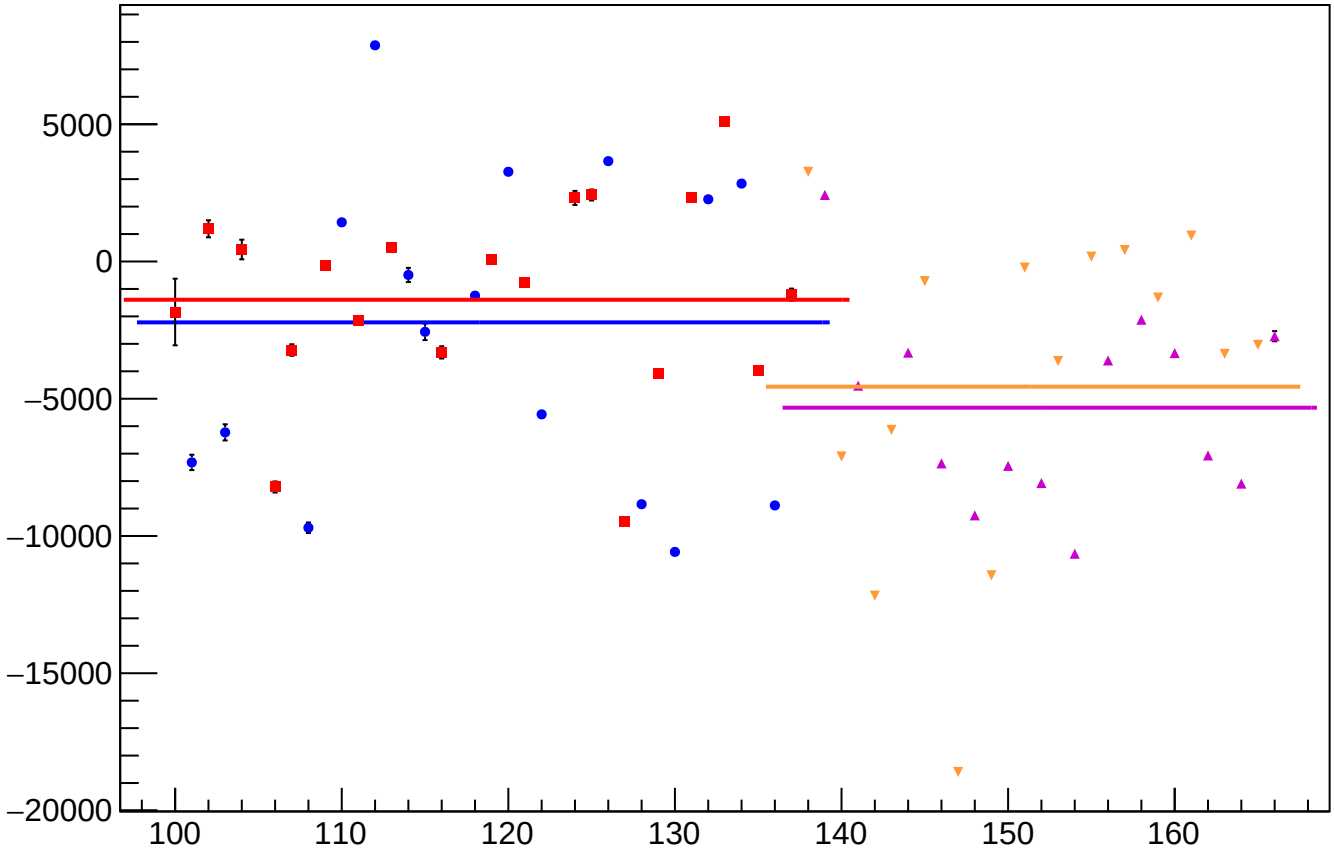
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 106.469+/-0.018 χ^2/NDF:1130056.1/29

Out: 104.727+/-0.017 χ^2/NDF:1260351.3/33

All: 105.572+/-0.013 χ^2/NDF: 2395228.0/63

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4560.796+/-31.086 χ^2/NDF:38817.4/14

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5326.343+/-31.912 χ^2/NDF:12094.4/13

Left: -4933.527+/-22.267 χ^2/NDF: 51207.0/28

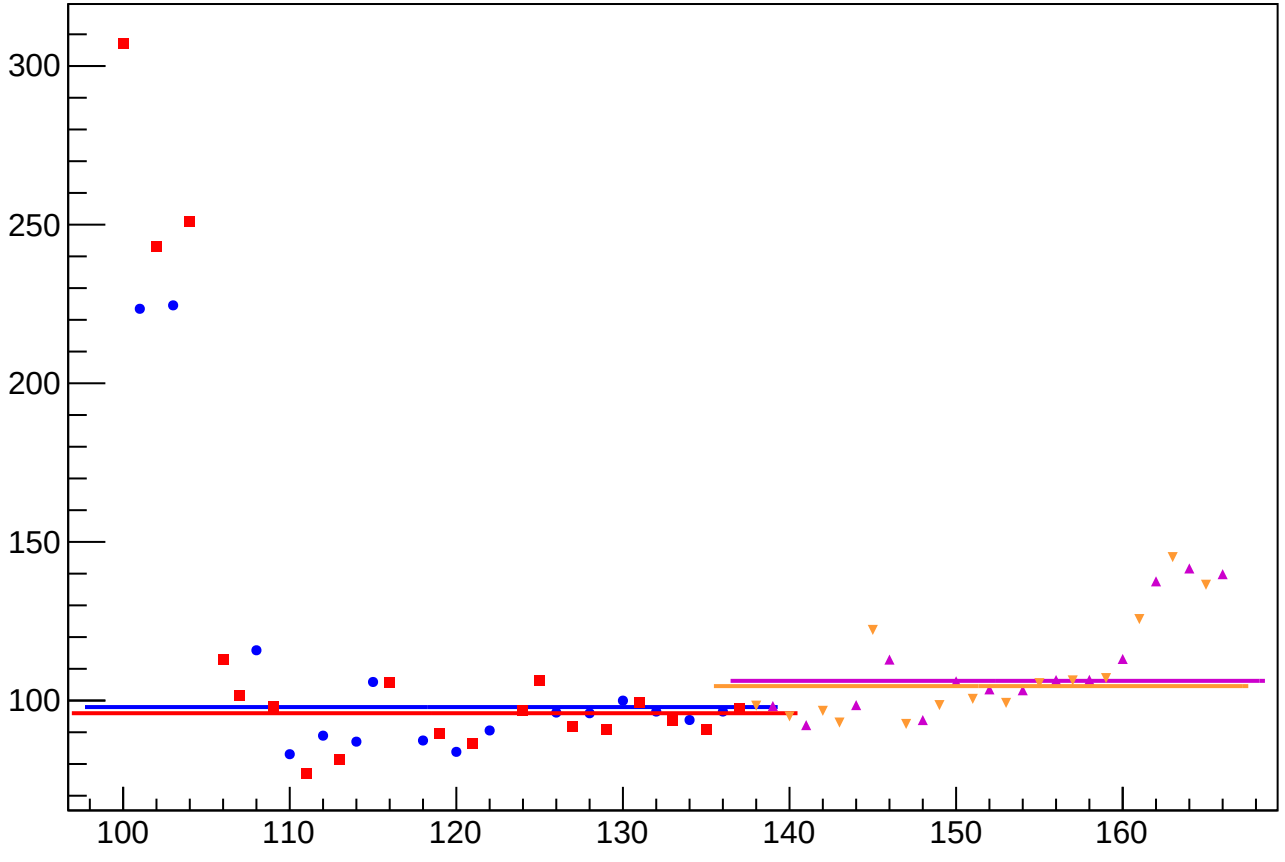
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4081.291+/-24.707 χ^2/NDF:38935.2/29

Out: -3274.070+/-23.953 χ^2/NDF:52186.9/33

All: -3665.164+/-17.198 χ^2/NDF: 91672.4/63

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 104.548+/-0.022 χ^2/NDF:367931.9/14

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 106.208+/-0.023 χ^2/NDF:327269.4/13

Left: 105.356+/-0.016 χ^2/NDF: 697976.0/28

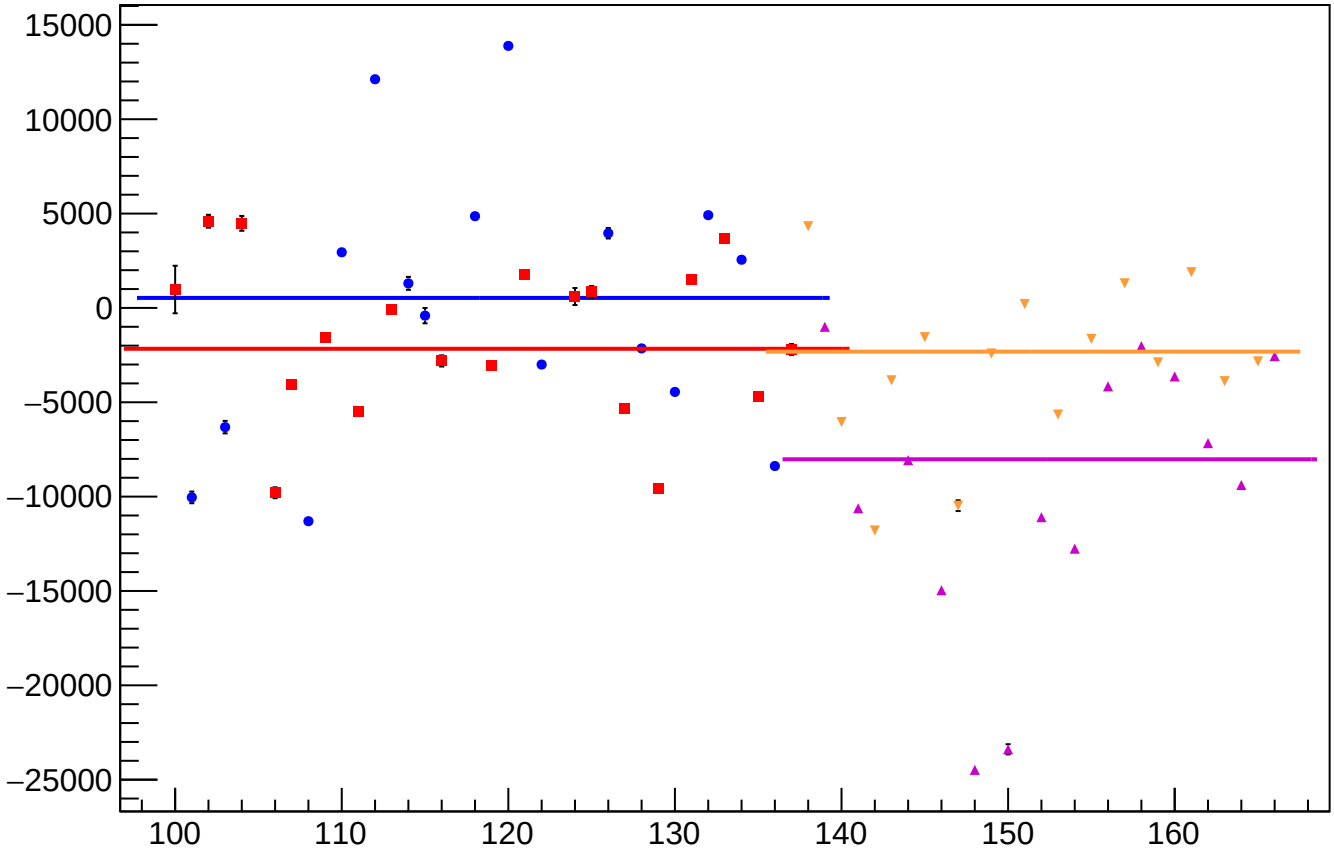
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 102.897+/-0.017 χ^2/NDF:1249142.0/29

Out: 101.077+/-0.017 χ^2/NDF:1441594.3/33

All: 101.959+/-0.012 χ^2/NDF: 2696331.1/63

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2316.582+/-45.579 χ^2/NDF:6954.5/14

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8021.629+/-47.571 χ^2/NDF:15439.2/13

Left: -5047.131+/-32.911 χ^2/NDF: 29892.4/28

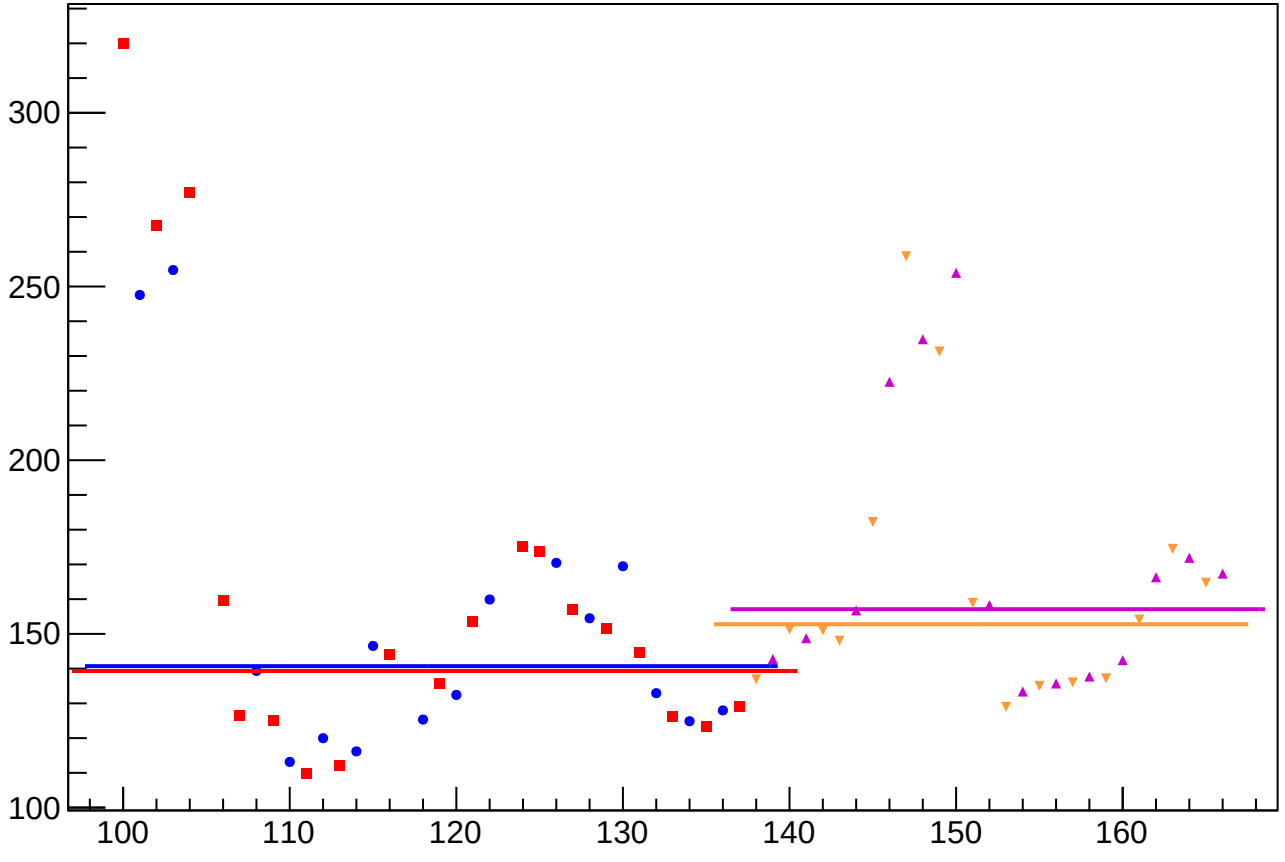
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4350.613+/-35.939 χ^2/NDF:47900.0/29

Out: -2252.773+/-34.684 χ^2/NDF:11926.3/33

All: -3264.408+/-24.957 χ^2/NDF: 61590.5/63

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.782+/-0.032 χ^2/NDF:696078.0/14

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 157.105+/-0.034 χ^2/NDF:776477.1/13

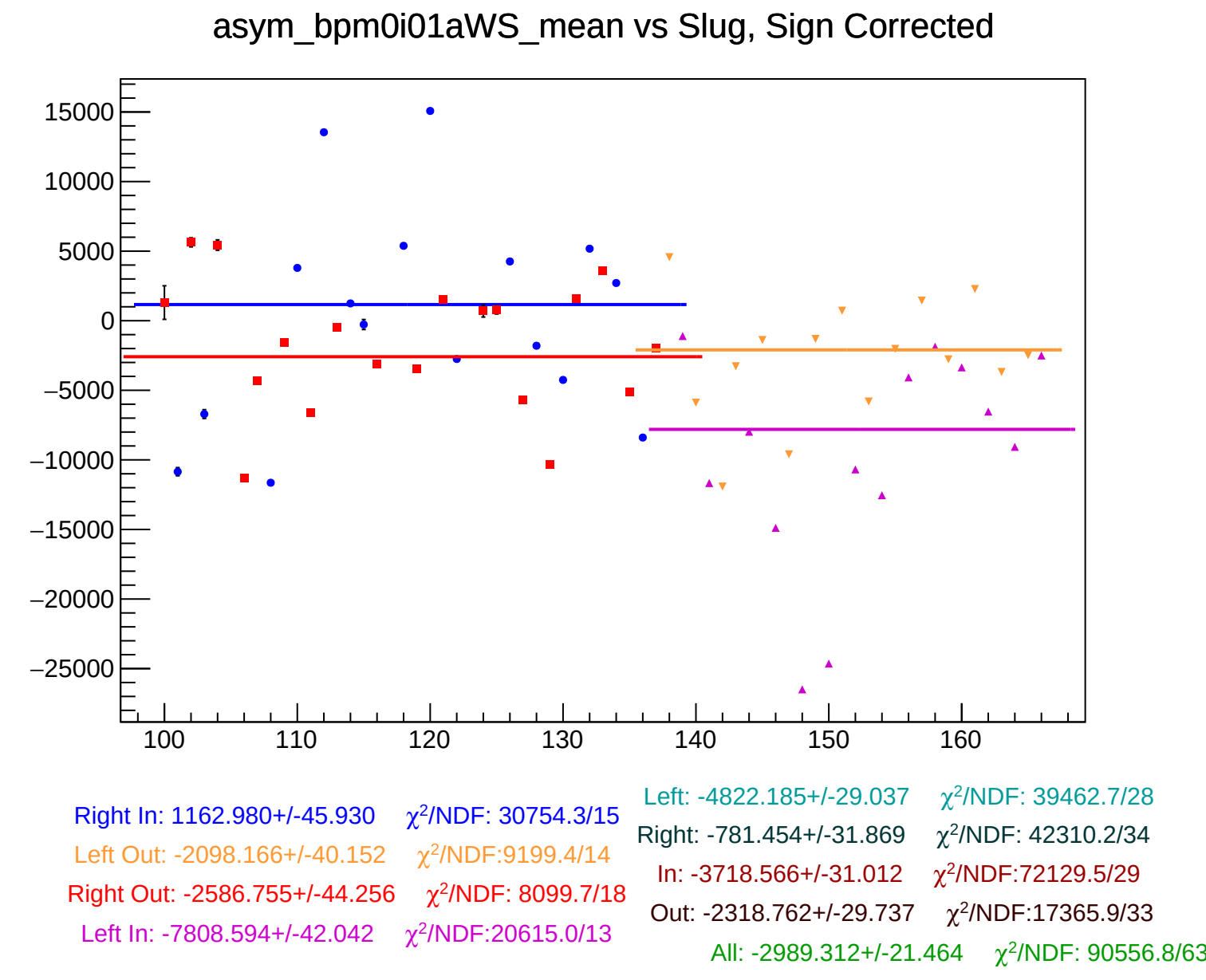
Left: 154.851+/-0.023 χ^2/NDF: 1481168.9/28

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

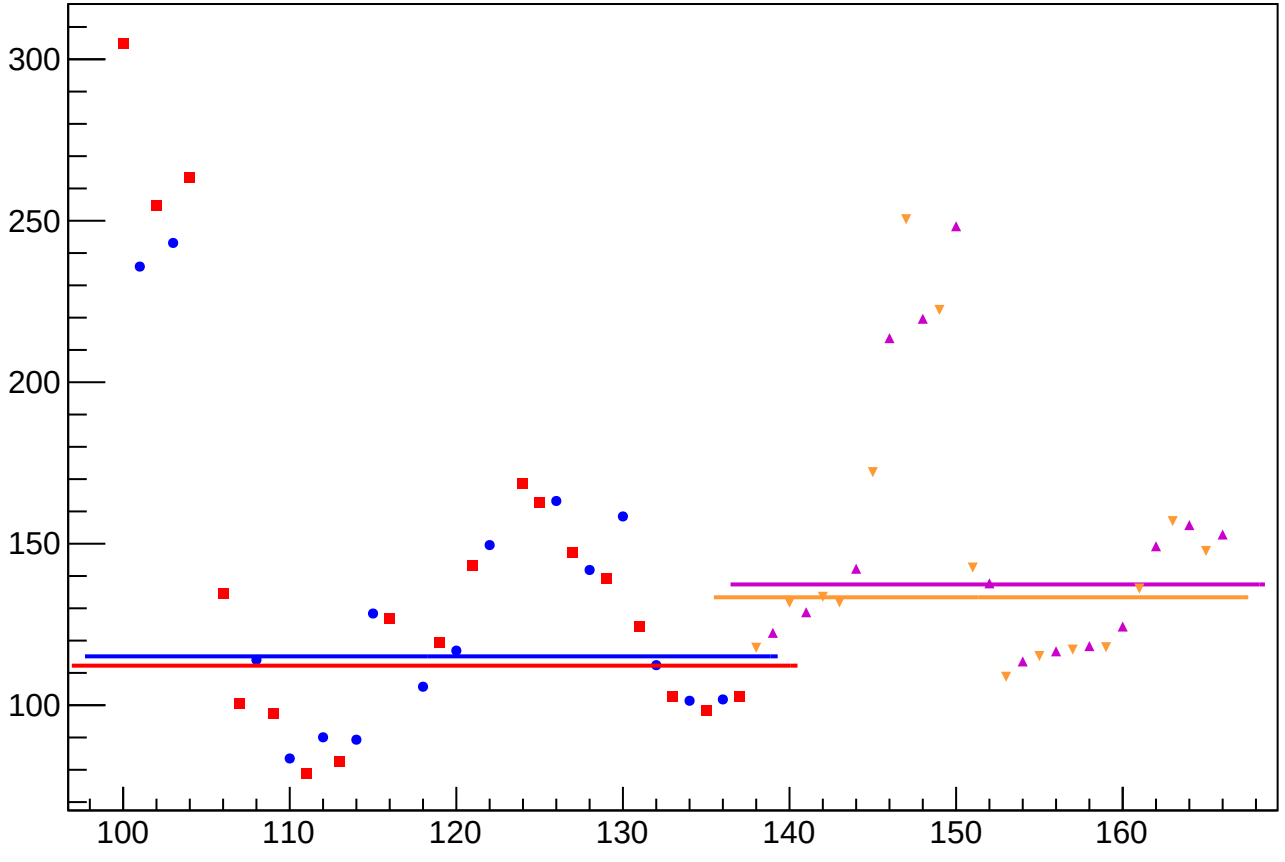
In: 150.070+/-0.025 χ^2/NDF:1554005.0/29

Out: 147.114+/-0.025 χ^2/NDF:1571866.2/33

All: 148.539+/-0.018 χ^2/NDF: 3132877.0/63


asym_bpm0i01aWS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 1162.980+/-45.930 χ²/NDF: 30754.3/15
Left Out: -2098.166+/-40.152 χ²/NDF:9199.4/14
Right Out: -2586.755+/-44.256 χ²/NDF: 8099.7/18
Left In: -7808.594+/-42.042 χ²/NDF:20615.0/13
Left: -4822.185+/-29.037 χ²/NDF: 39462.7/28
Right: -781.454+/-31.869 χ²/NDF: 42310.2/34
In: -3718.566+/-31.012 χ²/NDF:72129.5/29
Out: -2318.762+/-29.737 χ²/NDF:17365.9/33
All: -2989.312+/-21.464 χ²/NDF: 90556.8/63

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 133.416+/-0.028 χ^2/NDF:971579.0/14

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 137.393+/-0.030 χ^2/NDF:1066083.3/13

Left: 135.313+/-0.021 χ^2/NDF: 2047023.4/28

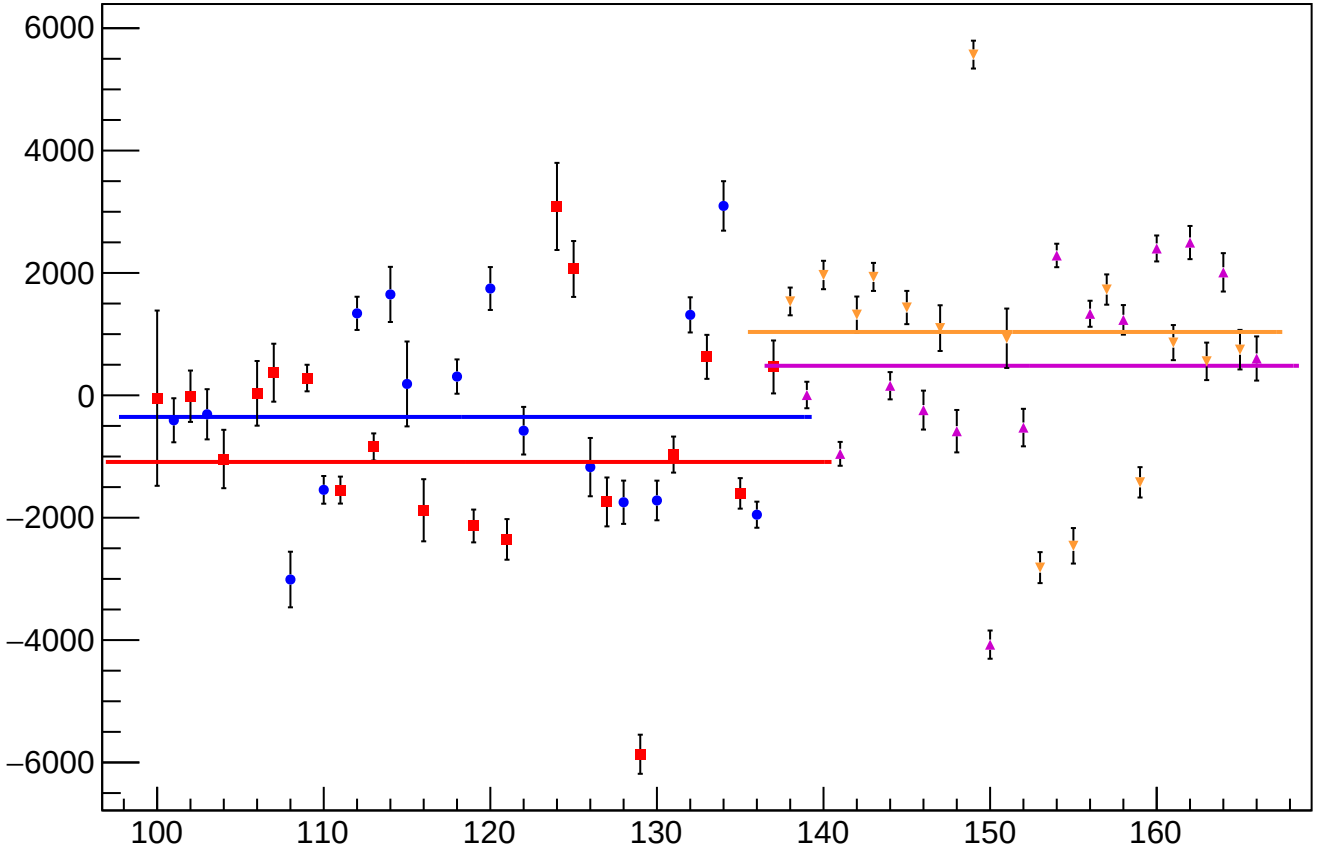
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 127.242+/-0.022 χ^2/NDF:2434860.3/29

Out: 123.856+/-0.021 χ^2/NDF:2550866.0/33

All: 125.478+/-0.015 χ^2/NDF: 4998147.6/63

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1035.548+/-69.826 χ^2/NDF:921.4/14

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 482.822+/-65.163 χ^2/NDF:752.1/13

Left: 740.112+/-47.641 χ^2/NDF: 1707.0/28

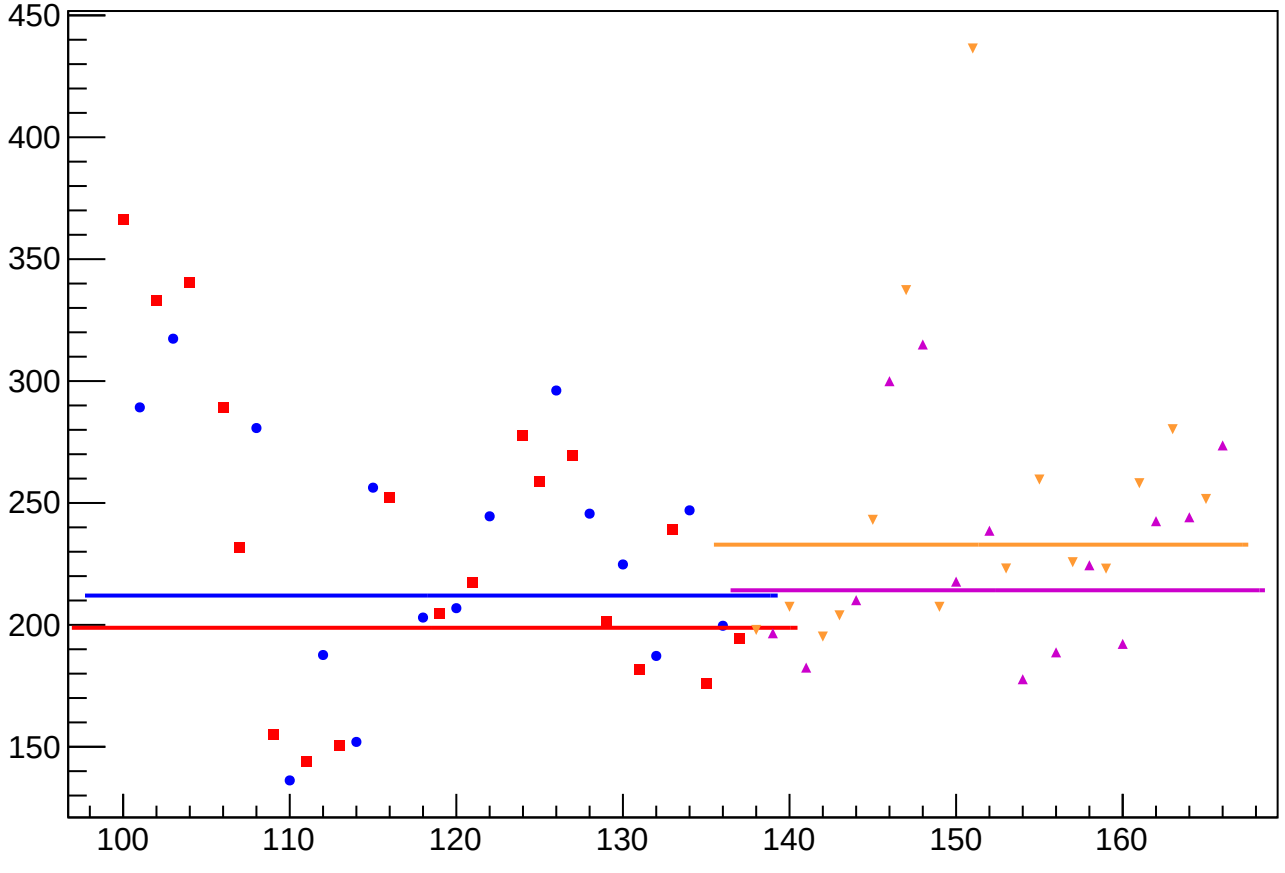
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 159.910+/-51.049 χ^2/NDF:1177.5/29

Out: 69.307+/-51.556 χ^2/NDF:1789.5/33

All: 115.056+/-36.275 χ^2/NDF: 2968.6/63

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 232.903+/-0.049 χ^2/NDF:766303.5/14

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 214.194+/-0.046 χ^2/NDF:614910.7/13

Left: 222.903+/-0.034 χ^2/NDF: 1457965.2/28

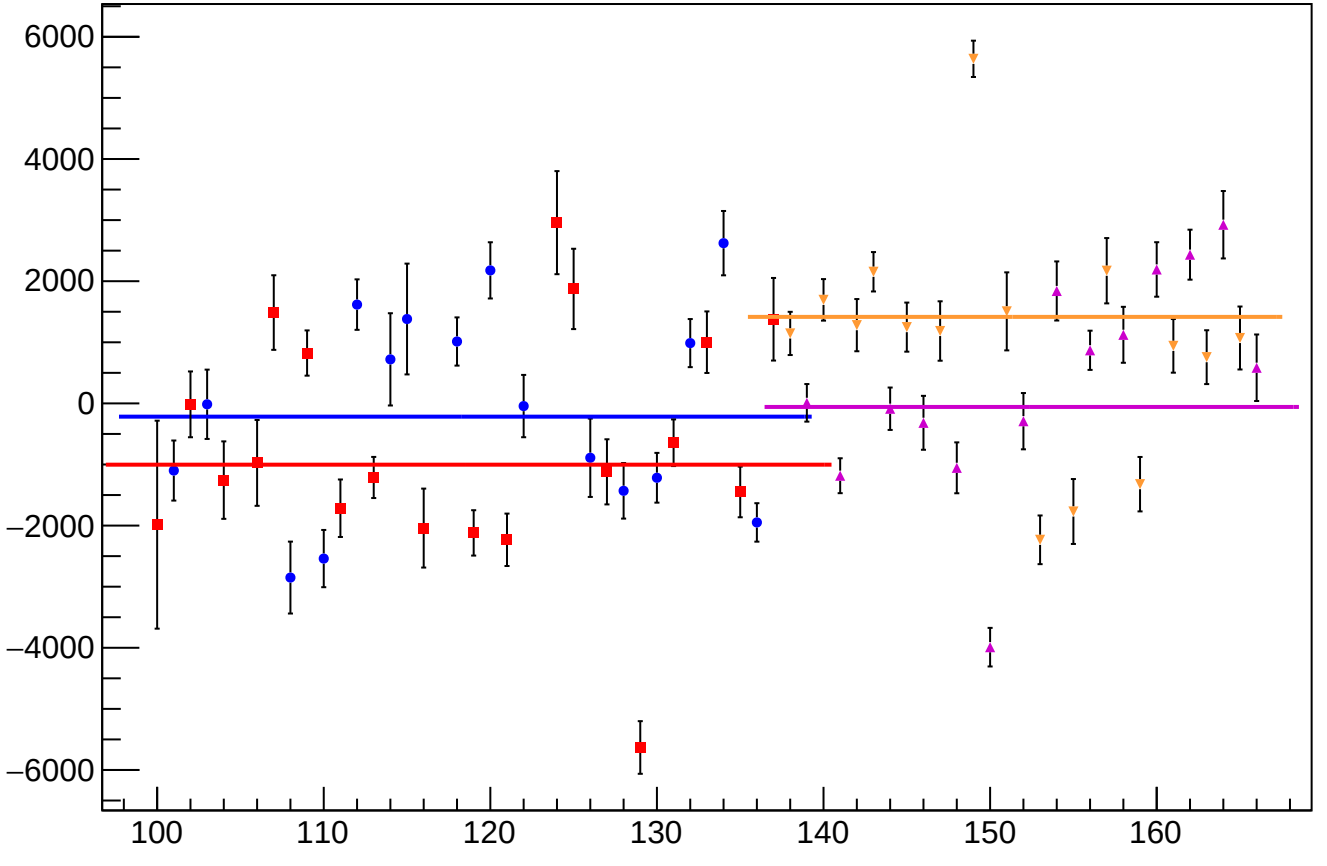
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 213.357+/-0.036 χ^2/NDF:1306122.4/29

Out: 217.396+/-0.036 χ^2/NDF:1958110.5/33

All: 215.356+/-0.026 χ^2/NDF: 3270430.6/63

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1416.009+/-106.339 χ^2/NDF:372.3/14

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -58.065+/-103.596 χ^2/NDF:300.5/13

Left: 659.714+/-74.204 χ^2/NDF: 771.4/28

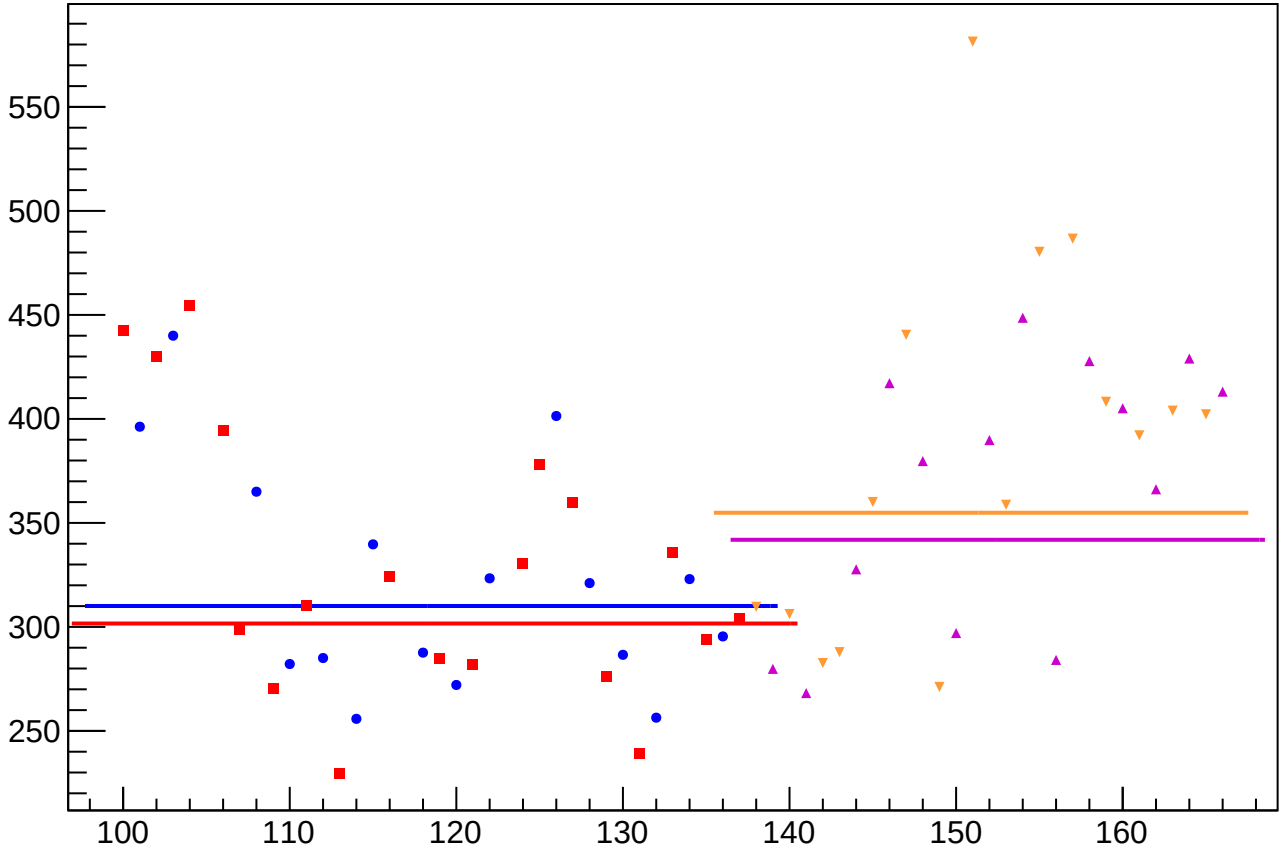
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -127.297+/-77.818 χ^2/NDF:493.7/29

Out: 281.051+/-77.477 χ^2/NDF:869.4/33

All: 77.776+/-54.905 χ^2/NDF: 1376.9/63

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 354.894+/-0.075 χ^2/NDF:1007937.9/14

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 341.889+/-0.073 χ^2/NDF:718341.0/13

Left: 348.222+/-0.052 χ^2/NDF: 1741624.4/28

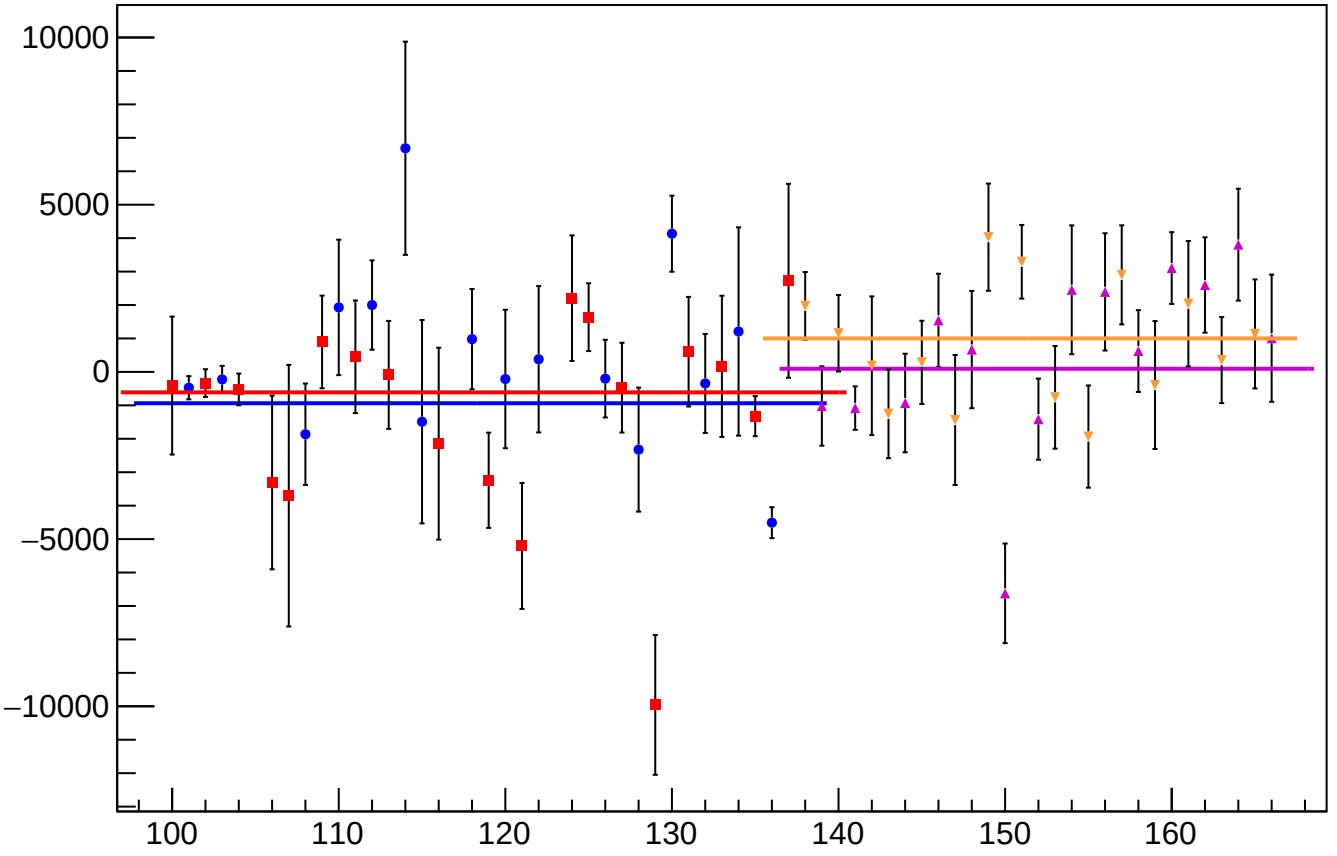
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 328.021+/-0.055 χ^2/NDF:1123882.9/29

Out: 329.907+/-0.055 χ^2/NDF:1763181.7/33

All: 328.968+/-0.039 χ^2/NDF: 2887654.7/63

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 999.992+/-364.811 χ^2/NDF:21.5/14

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 94.125+/-337.810 χ^2/NDF:47.2/13

Left: 512.298+/-247.864 χ^2/NDF: 72.1/28

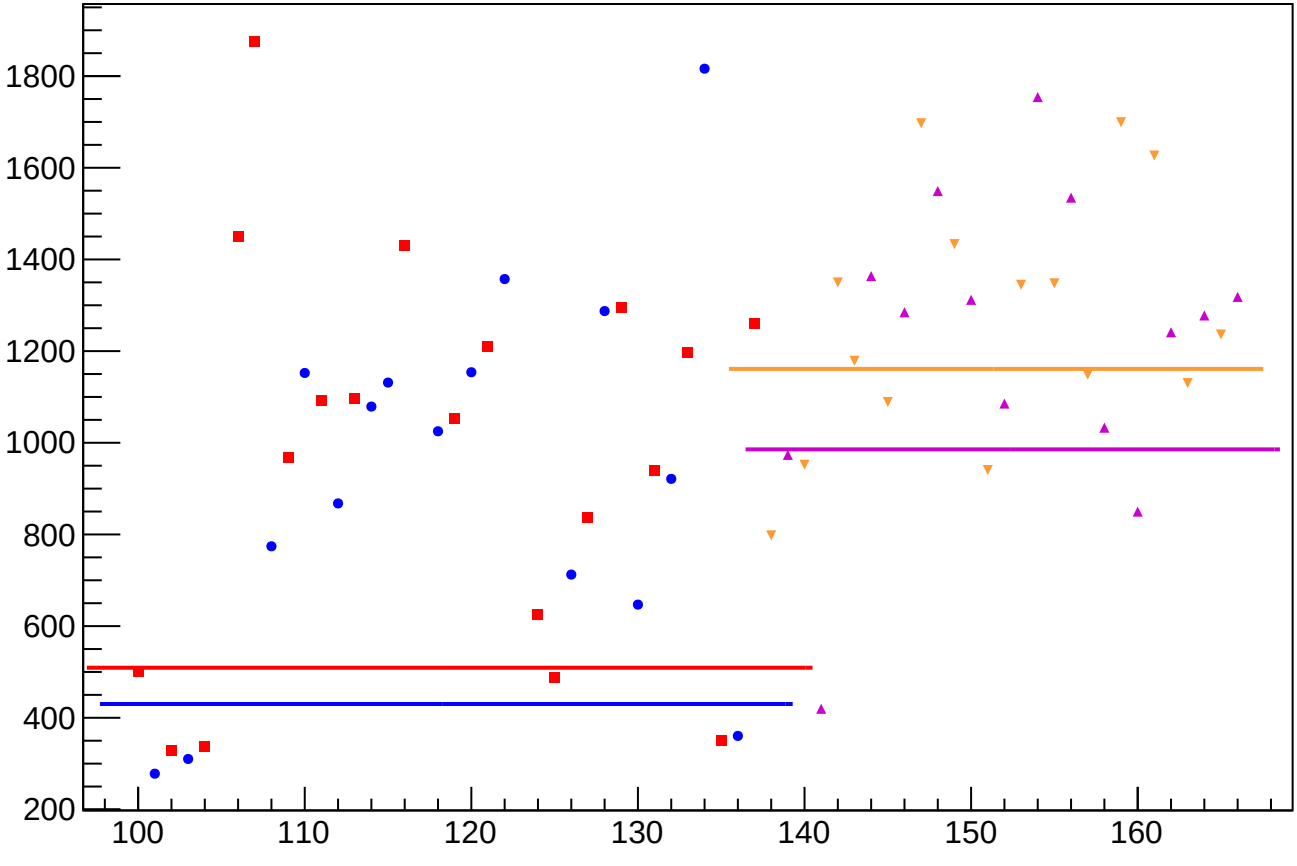
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -659.998+/-175.077 χ^2/NDF:155.2/29

Out: -144.306+/-196.453 χ^2/NDF:79.5/33

All: -431.724+/-130.705 χ^2/NDF: 238.6/63

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1161.205+/-0.258 χ^2/NDF:983817.5/14

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 985.593+/-0.239 χ^2/NDF:2791758.3/13

Left: 1066.660+/-0.175 χ^2/NDF: 4025084.7/28

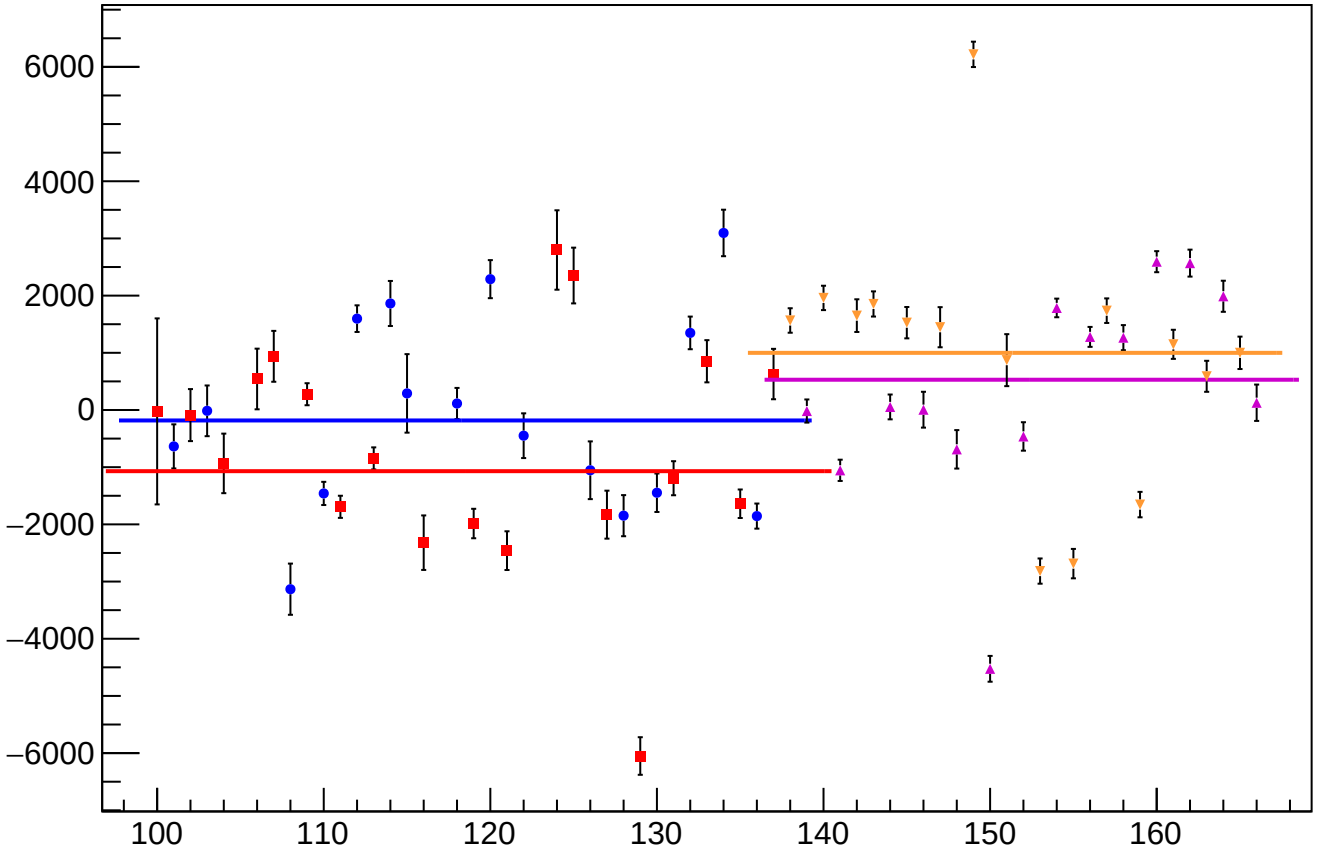
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 579.316+/-0.124 χ^2/NDF:10268912.8/29

Out: 698.299+/-0.139 χ^2/NDF:9192631.4/33

All: 631.984+/-0.092 χ^2/NDF: 19870437.7/63

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 999.347+/-64.231 χ^2/NDF:1267.6/14

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 529.168+/-58.546 χ^2/NDF:938.8/13

Left: 742.535+/-43.269 χ^2/NDF: 2235.6/28

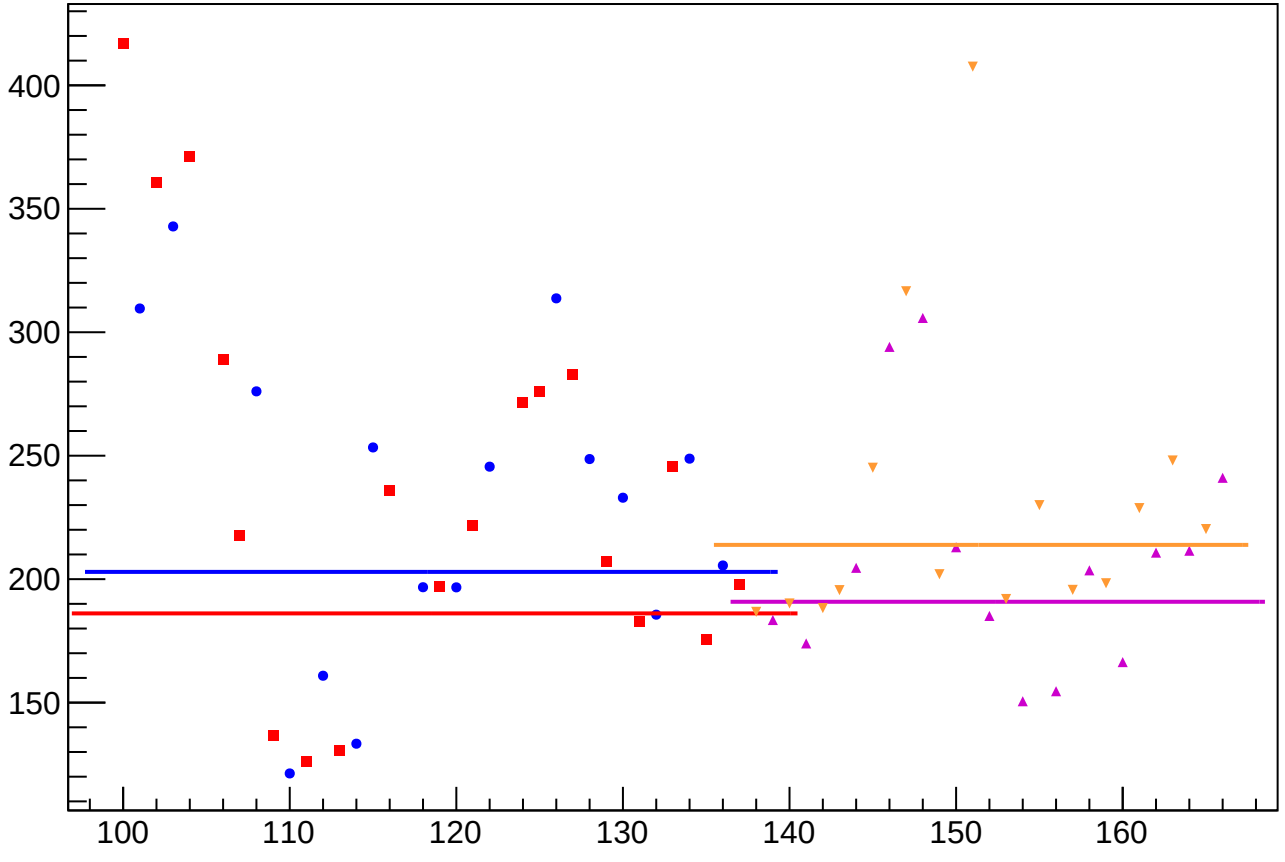
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 280.220+/-47.218 χ^2/NDF:1408.2/29

Out: 97.334+/-48.239 χ^2/NDF:2212.2/33

All: 190.735+/-33.743 χ^2/NDF: 3627.7/63

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.880+/-0.045 χ^2/NDF:744680.8/14

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 190.838+/-0.041 χ^2/NDF:824439.2/13

Left: 201.295+/-0.031 χ^2/NDF: 1709705.9/28

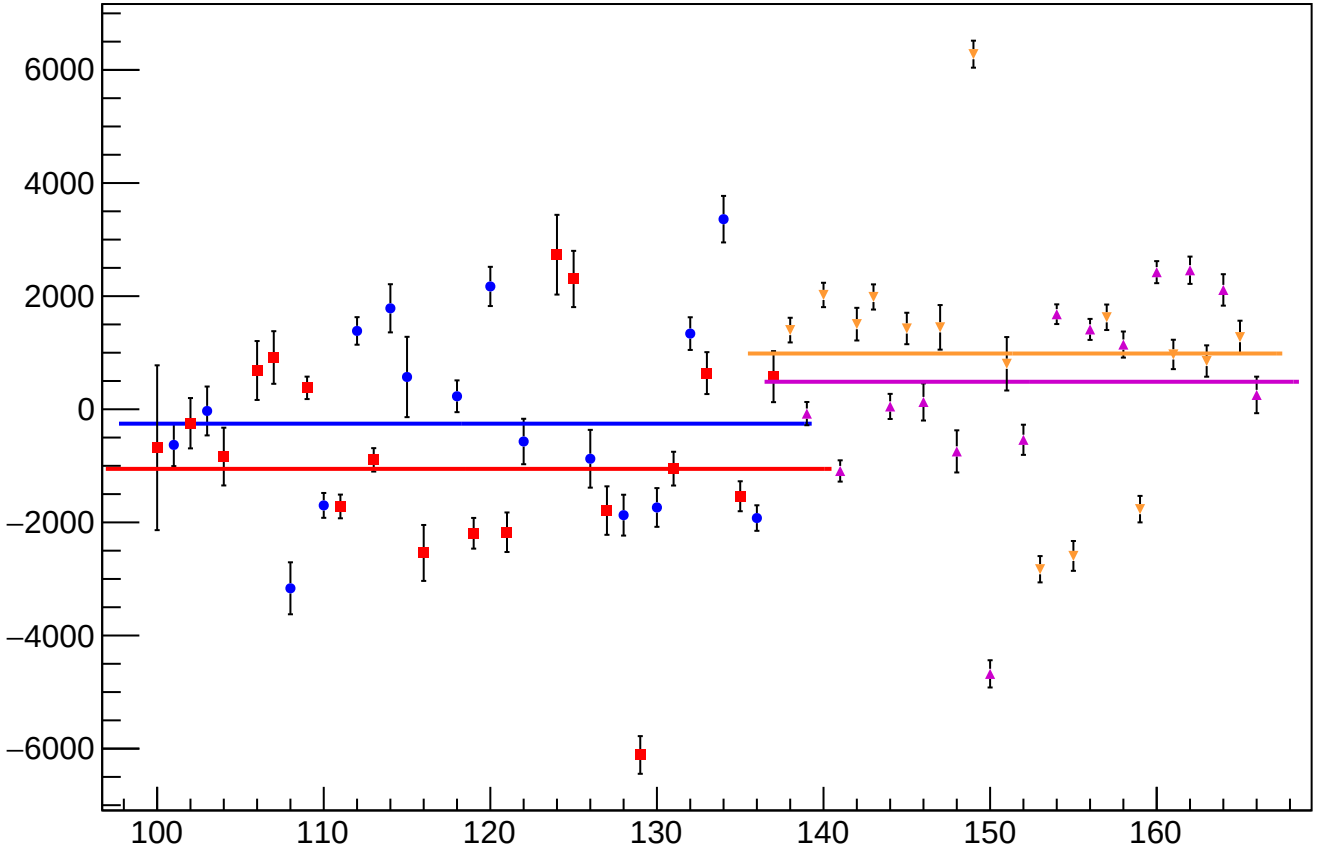
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 195.069+/-0.033 χ^2/NDF:1926175.1/29

Out: 201.782+/-0.034 χ^2/NDF:2389107.4/33

All: 198.354+/-0.024 χ^2/NDF: 4335063.9/63

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 985.893+/-66.439 χ^2/NDF:1145.6/14

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 486.357+/-61.228 χ^2/NDF:848.3/13

Left: 715.769+/-45.024 χ^2/NDF: 2024.4/28

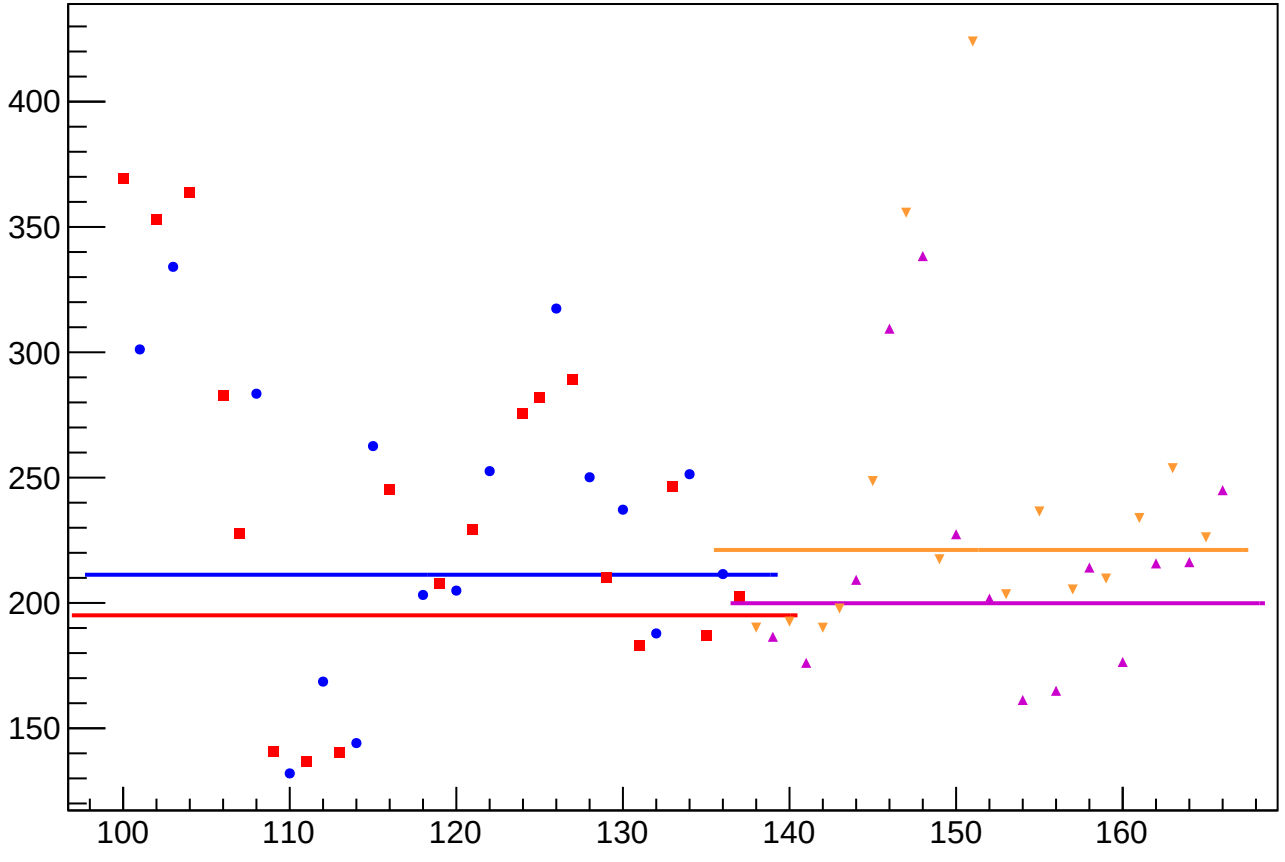
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 223.195+/-49.165 χ^2/NDF:1309.5/29

Out: 101.966+/-50.012 χ^2/NDF:2031.7/33

All: 163.616+/-35.060 χ^2/NDF: 3344.2/63

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.145+/-0.047 χ^2/NDF:808297.0/14

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 199.885+/-0.043 χ^2/NDF:828902.8/13

Left: 209.648+/-0.032 χ^2/NDF: 1747938.8/28

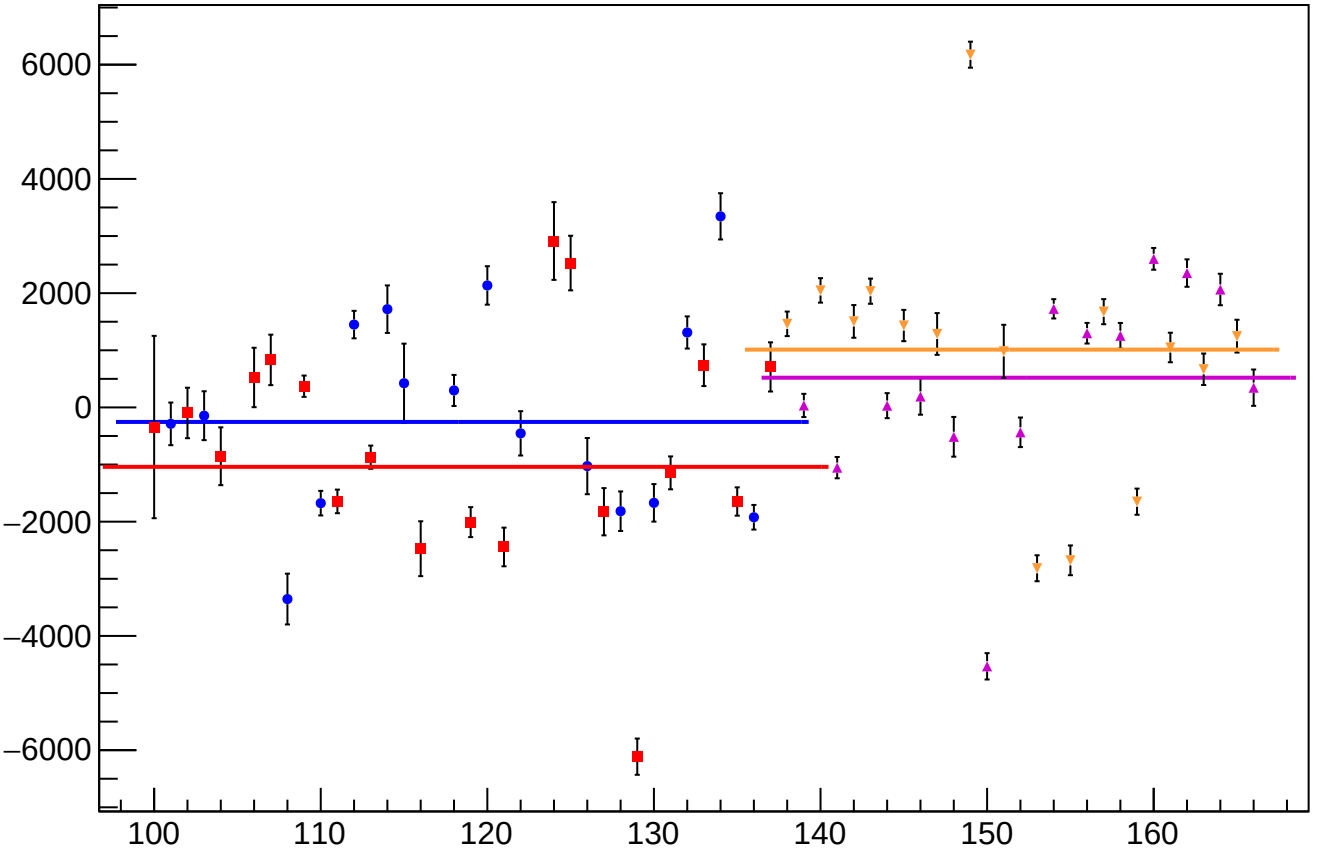
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.923+/-0.035 χ^2/NDF:1737760.3/29

Out: 209.841+/-0.035 χ^2/NDF:2226769.6/33

All: 206.831+/-0.025 χ^2/NDF: 3978768.6/63

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1011.633+/-65.225 χ^2/NDF:1198.8/14

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 520.081+/-59.867 χ^2/NDF:874.9/13

Left: 744.840+/-44.105 χ^2/NDF: 2104.6/28

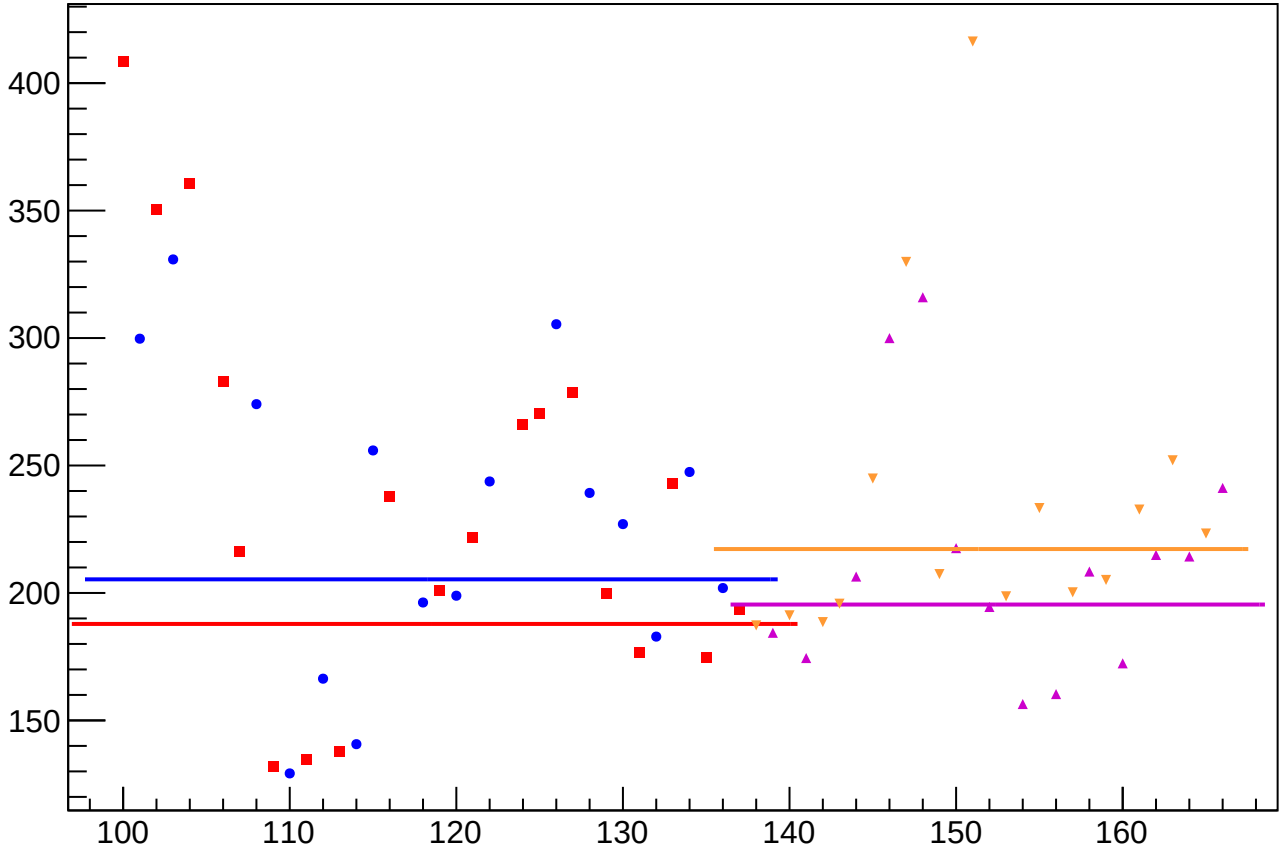
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 243.177+/-47.979 χ^2/NDF:1366.8/29

Out: 105.715+/-48.745 χ^2/NDF:2169.2/33

All: 175.534+/-34.194 χ^2/NDF: 3540.0/63

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.229+/-0.046 χ^2/NDF:767972.1/14

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 195.458+/-0.042 χ^2/NDF:791404.2/13

Left: 205.413+/-0.031 χ^2/NDF: 1680311.5/28

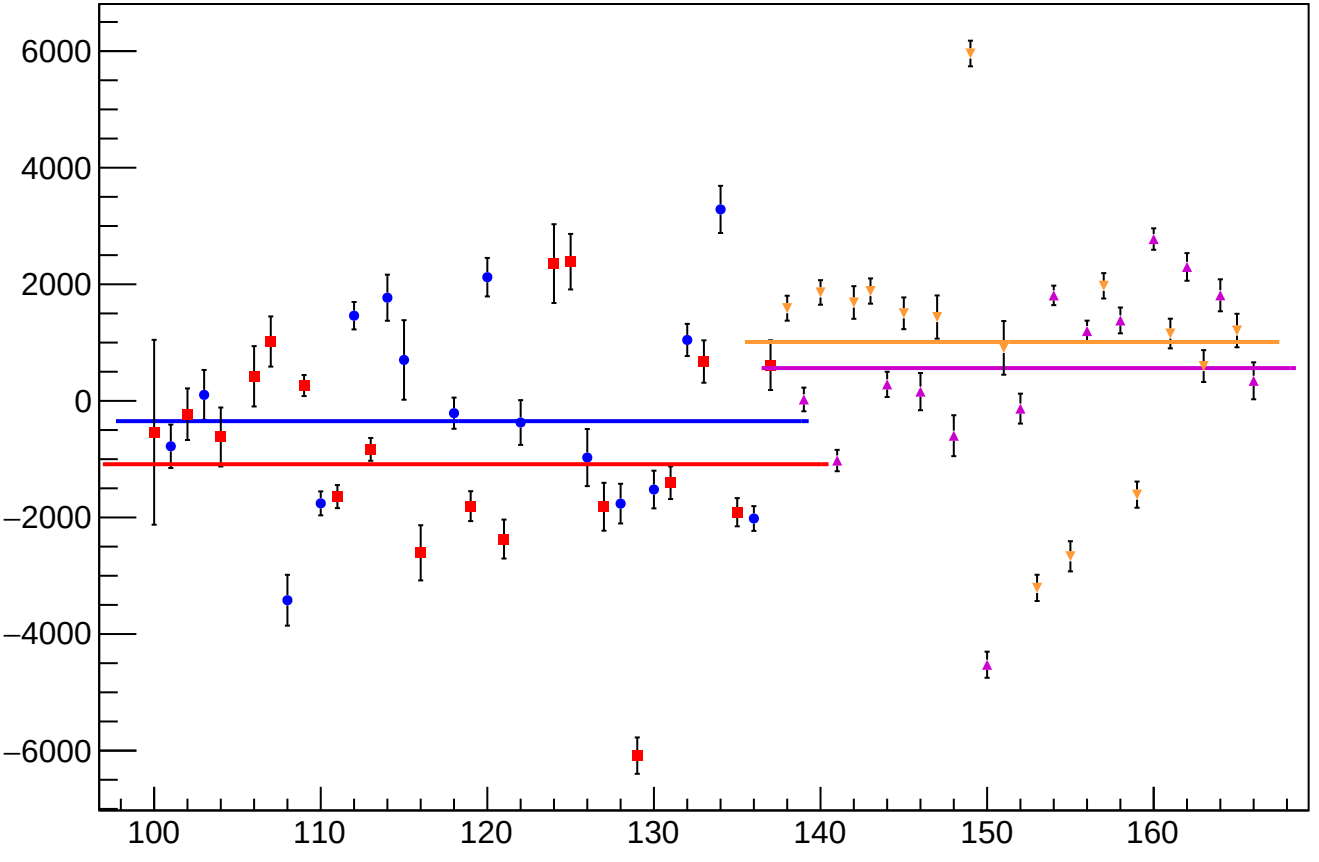
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.993+/-0.034 χ^2/NDF:1688298.8/29

Out: 204.258+/-0.034 χ^2/NDF:2284181.7/33

All: 201.584+/-0.024 χ^2/NDF: 3984329.4/63

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1009.982+/-64.393 χ^2/NDF:1268.8/14

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 562.587+/-59.072 χ^2/NDF:921.8/13

Left: 767.042+/-43.530 χ^2/NDF: 2216.9/28

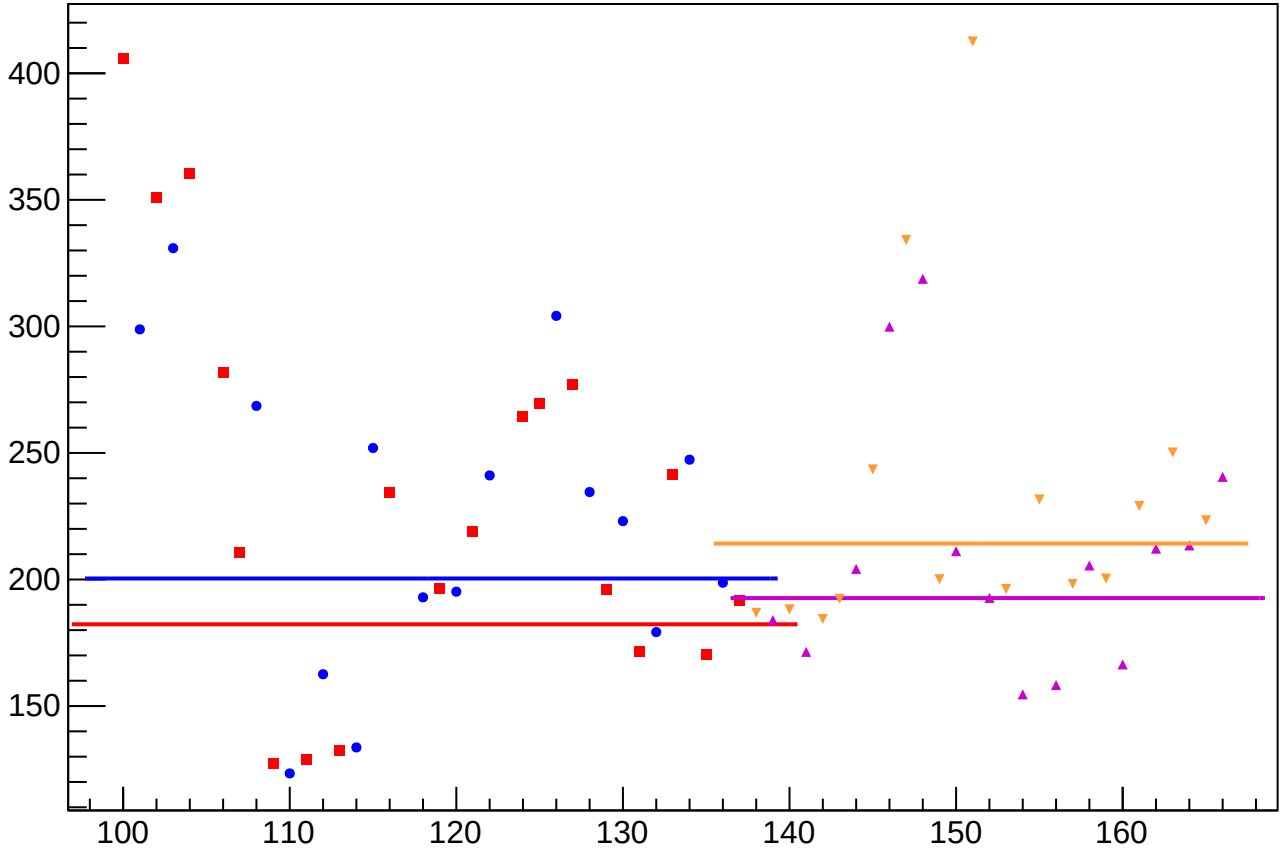
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 233.849+/-47.216 χ^2/NDF:1453.4/29

Out: 71.594+/-47.860 χ^2/NDF:2270.5/33

All: 153.822+/-33.612 χ^2/NDF: 3729.7/63

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.204+/-0.046 χ^2/NDF:802489.1/14

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 192.661+/-0.042 χ^2/NDF:829945.8/13

Left: 202.506+/-0.031 χ^2/NDF: 1753992.4/28

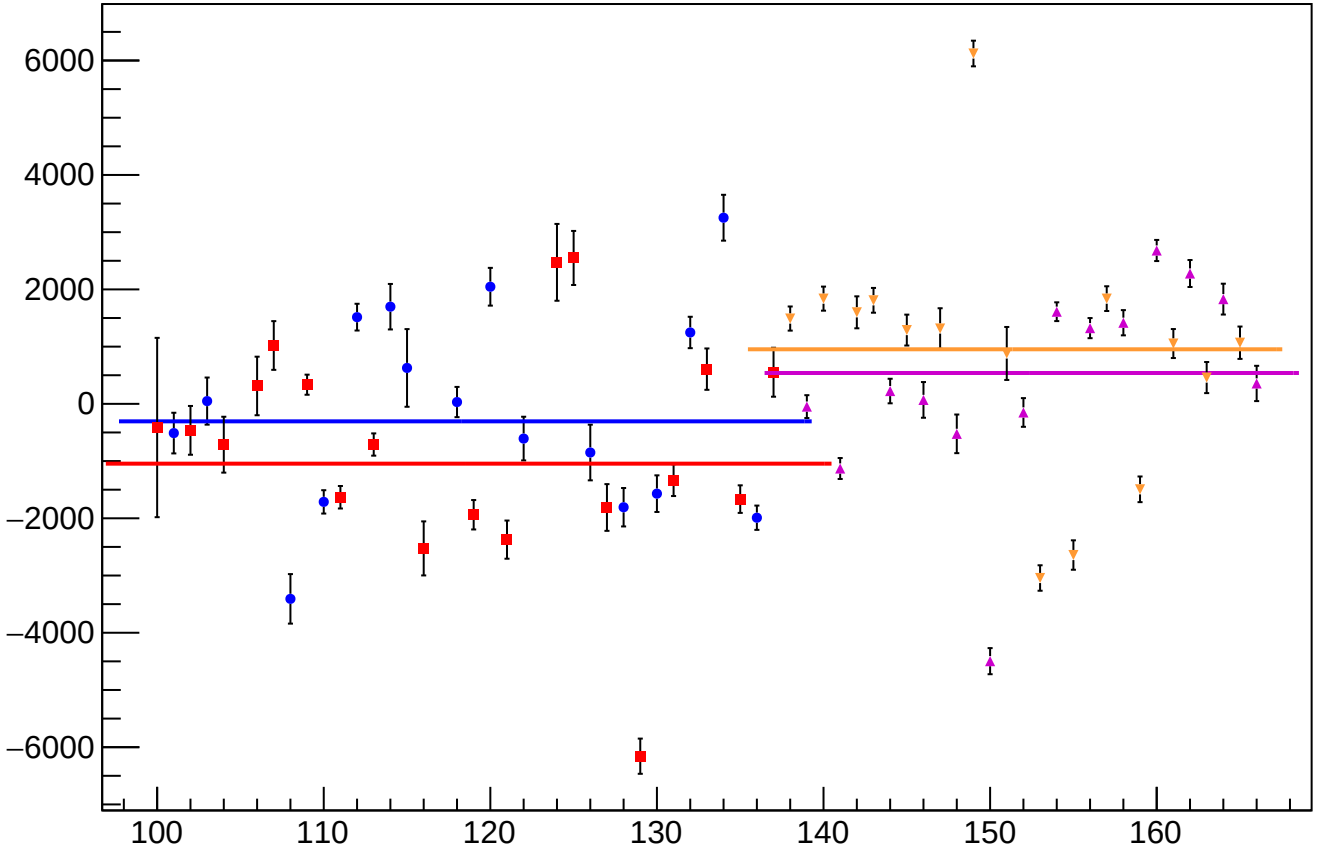
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.456+/-0.033 χ^2/NDF:1801338.8/29

Out: 199.926+/-0.034 χ^2/NDF:2469410.2/33

All: 197.660+/-0.024 χ^2/NDF: 4279590.0/63

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 953.467+/-64.053 χ^2/NDF:1236.5/14

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 539.290+/-58.466 χ^2/NDF:891.3/13

Left: 727.527+/-43.182 χ^2/NDF: 2150.6/28

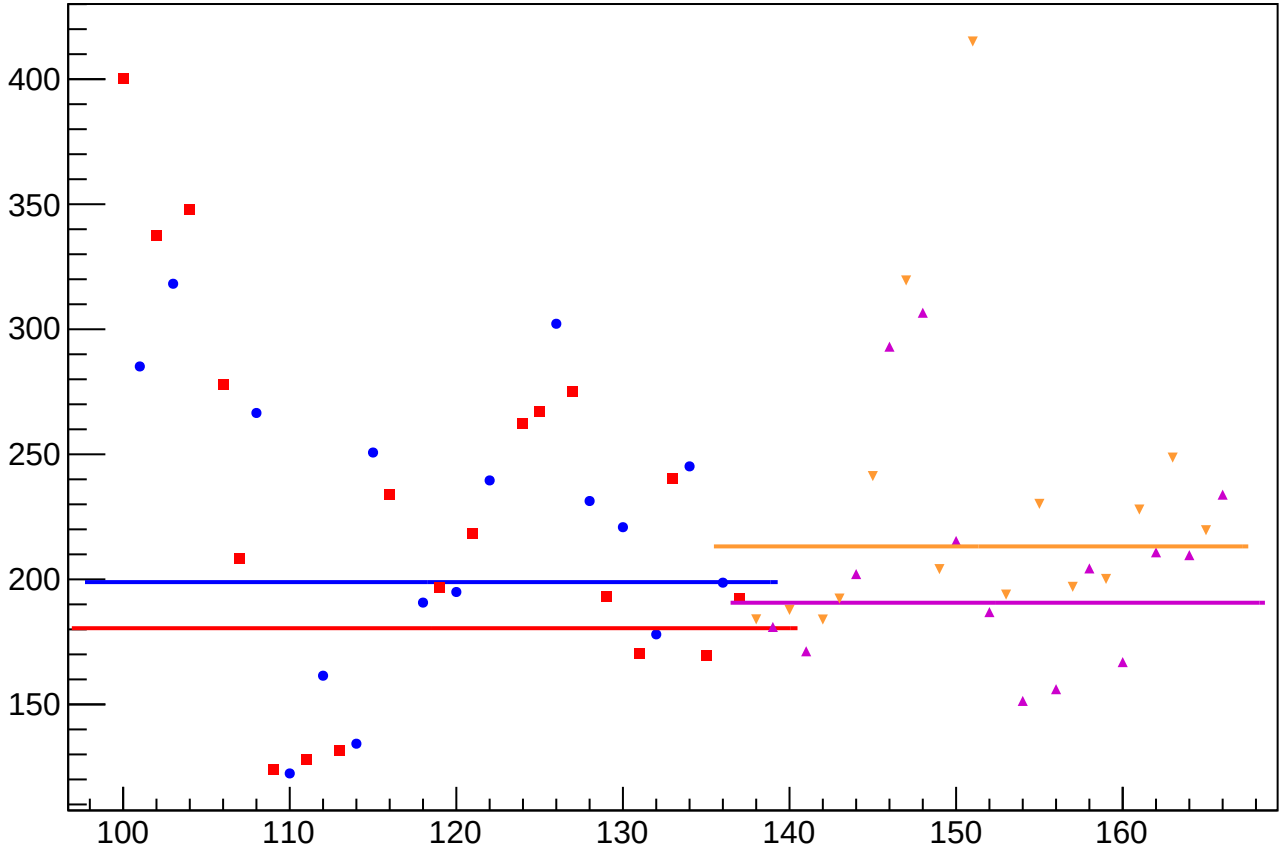
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 234.683+/-46.754 χ^2/NDF:1418.4/29

Out: 54.229+/-47.506 χ^2/NDF:2226.7/33

All: 145.896+/-33.323 χ^2/NDF: 3652.5/63

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.177+/-0.045 χ^2/NDF:777240.7/14

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 190.655+/-0.041 χ^2/NDF:804755.4/13

Left: 200.891+/-0.031 χ^2/NDF: 1716877.3/28

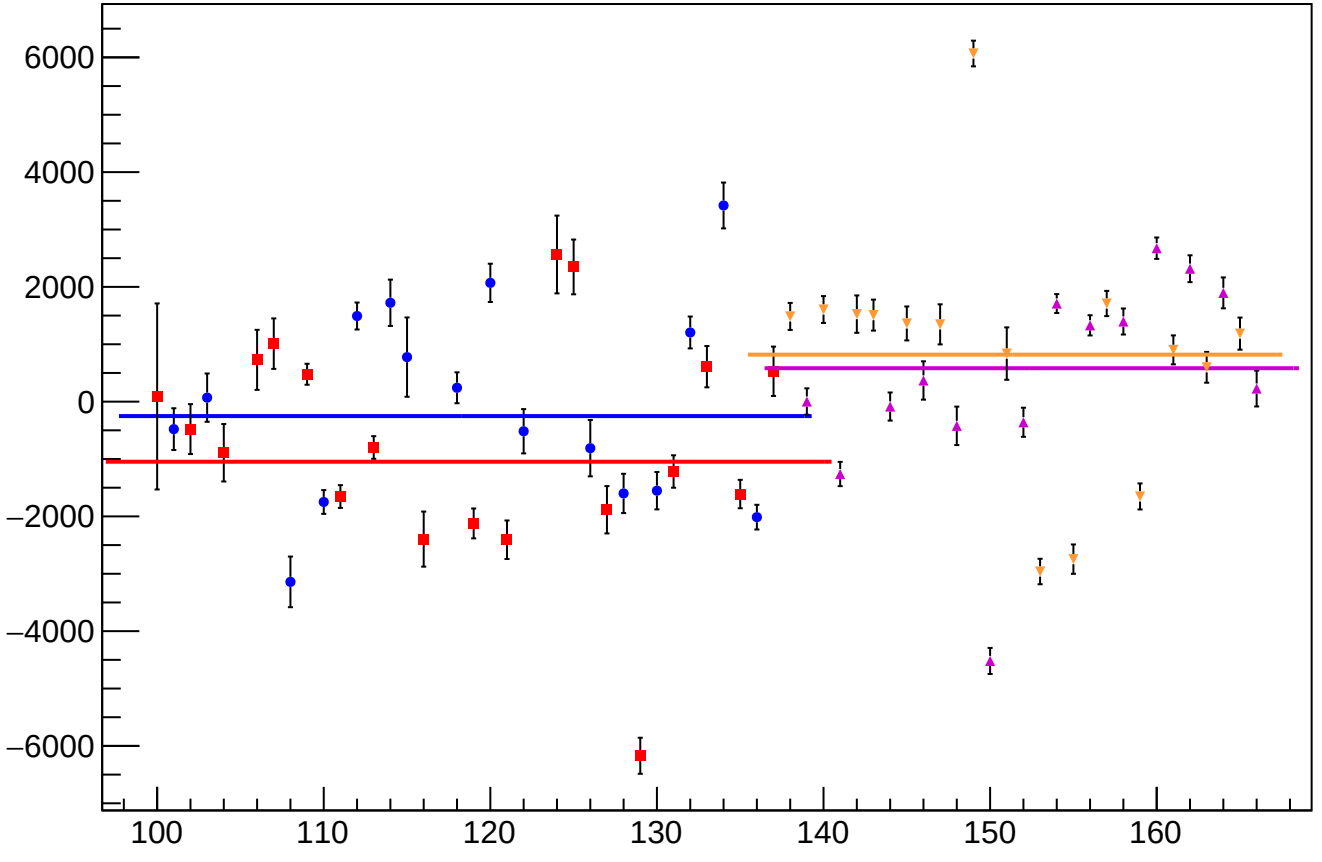
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.629+/-0.033 χ^2/NDF:1731867.4/29

Out: 198.462+/-0.034 χ^2/NDF:2446262.0/33

All: 196.007+/-0.024 χ^2/NDF: 4188647.7/63

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 819.280+/-67.156 χ^2/NDF:1207.0/14

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 582.489+/-60.824 χ^2/NDF:901.2/13

Left: 689.197+/-45.082 χ^2/NDF: 2115.0/28

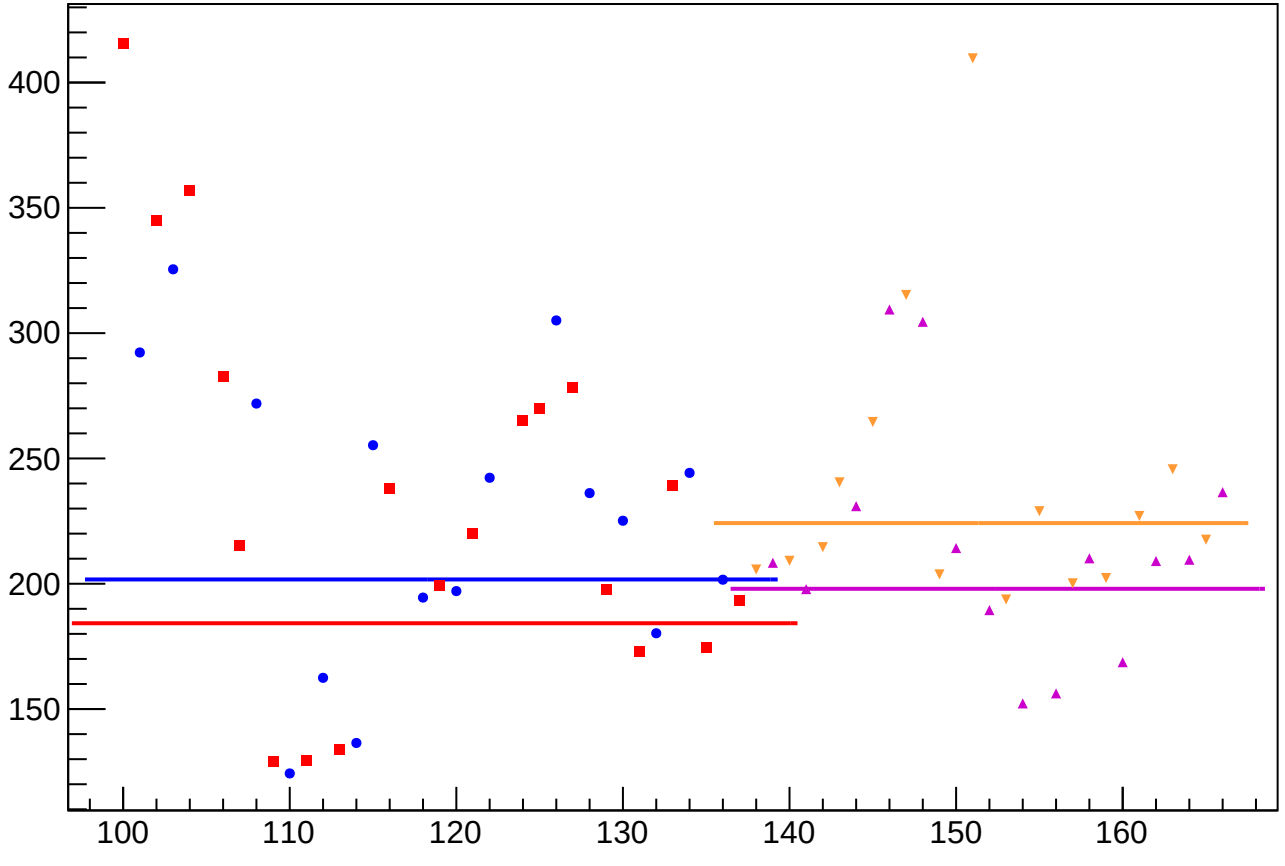
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 271.868+/-48.188 χ^2/NDF:1412.5/29

Out: -46.592+/-49.170 χ^2/NDF:2112.0/33

All: 115.848+/-34.416 χ^2/NDF: 3545.9/63

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.207+/-0.047 χ^2/NDF:644100.0/14

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 197.988+/-0.043 χ^2/NDF:837708.9/13

Left: 209.803+/-0.032 χ^2/NDF: 1649274.7/28

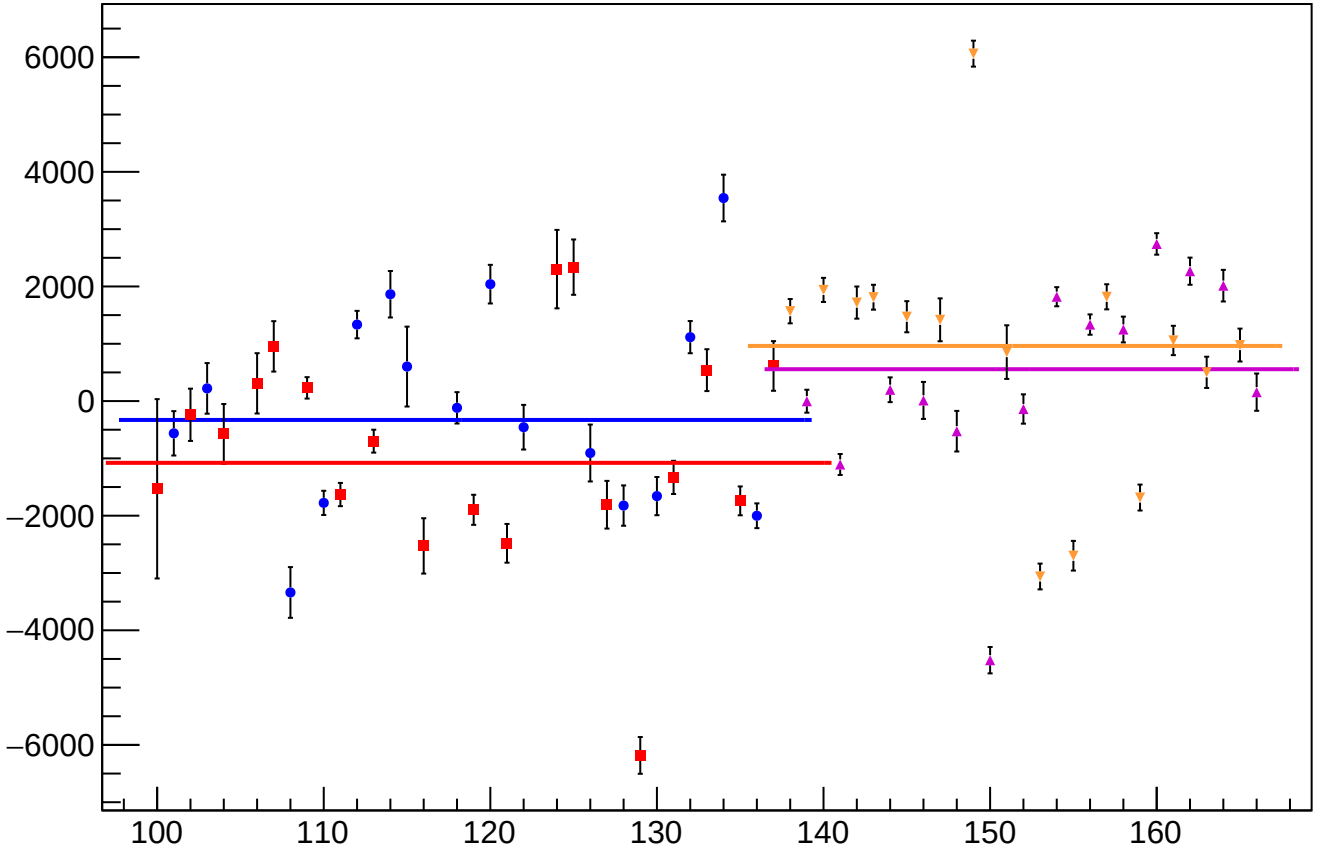
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 199.375+/-0.034 χ^2/NDF:1764712.4/29

Out: 205.667+/-0.035 χ^2/NDF:2376421.1/33

All: 202.458+/-0.024 χ^2/NDF: 4157837.0/63

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 962.132+/-64.626 χ^2/NDF:1238.2/14

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 556.070+/-59.314 χ^2/NDF:903.6/13

Left: 741.728+/-43.699 χ^2/NDF: 2163.3/28

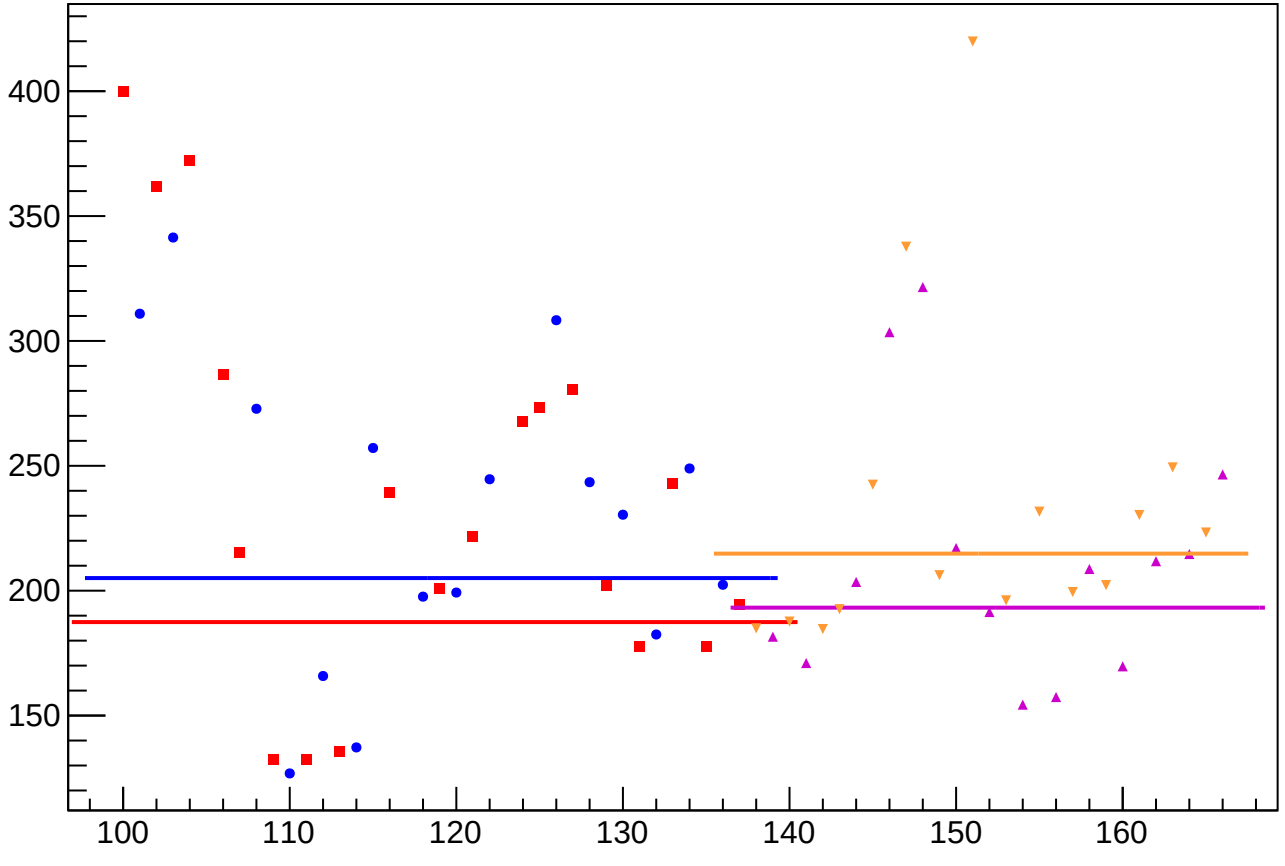
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 243.841+/-47.724 χ^2/NDF:1418.6/29

Out: 71.342+/-48.506 χ^2/NDF:2175.3/33

All: 158.993+/-34.019 χ^2/NDF: 3600.3/63

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.843+/-0.046 χ^2/NDF:819912.0/14

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 193.205+/-0.042 χ^2/NDF:867111.3/13

Left: 203.098+/-0.031 χ^2/NDF: 1808722.3/28

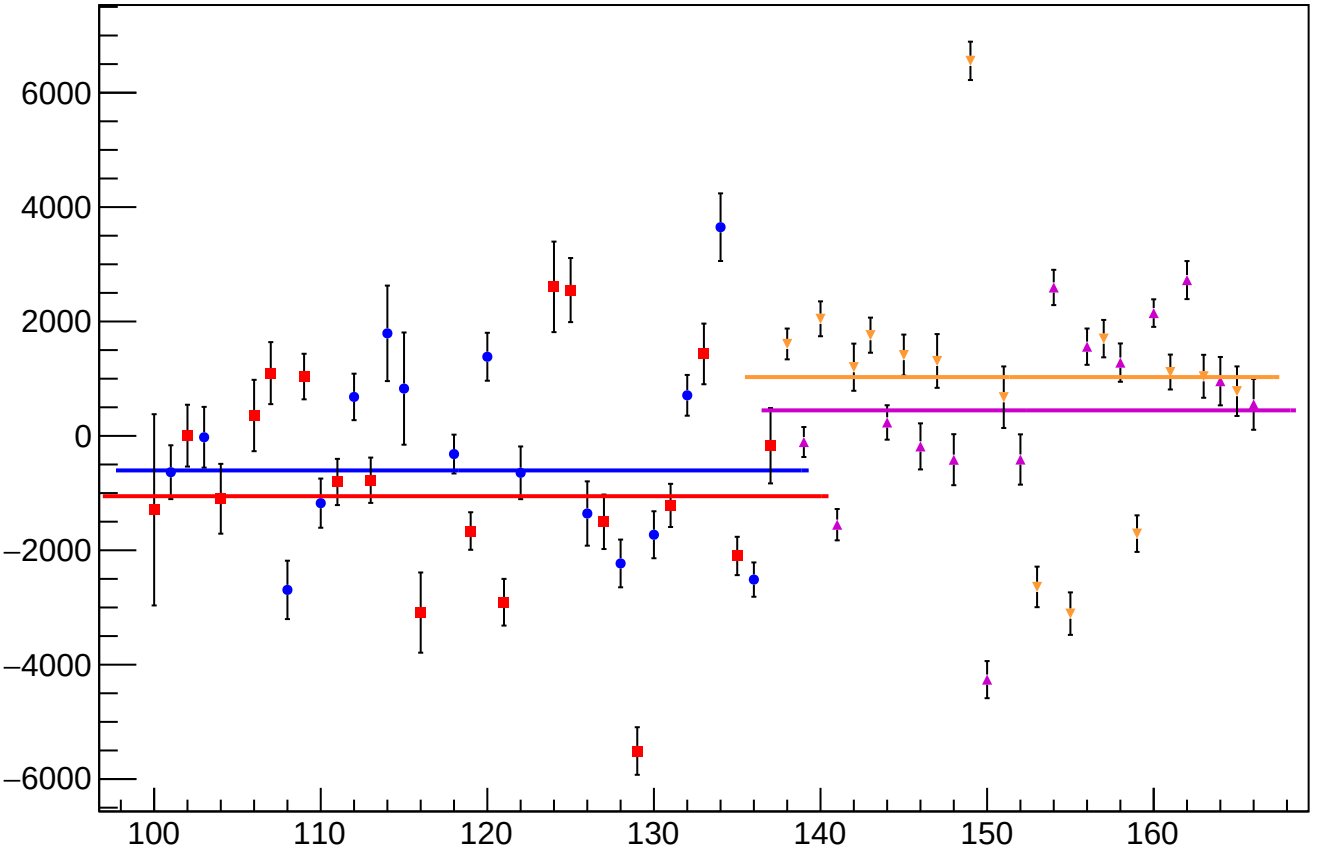
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.383+/-0.034 χ^2/NDF:1858302.0/29

Out: 202.874+/-0.034 χ^2/NDF:2387838.7/33

All: 200.084+/-0.024 χ^2/NDF: 4259162.5/63

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1028.303+/-90.093 χ^2/NDF:604.2/14

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 446.195+/-87.351 χ^2/NDF:443.9/13

Left: 728.256+/-62.714 χ^2/NDF: 1069.7/28

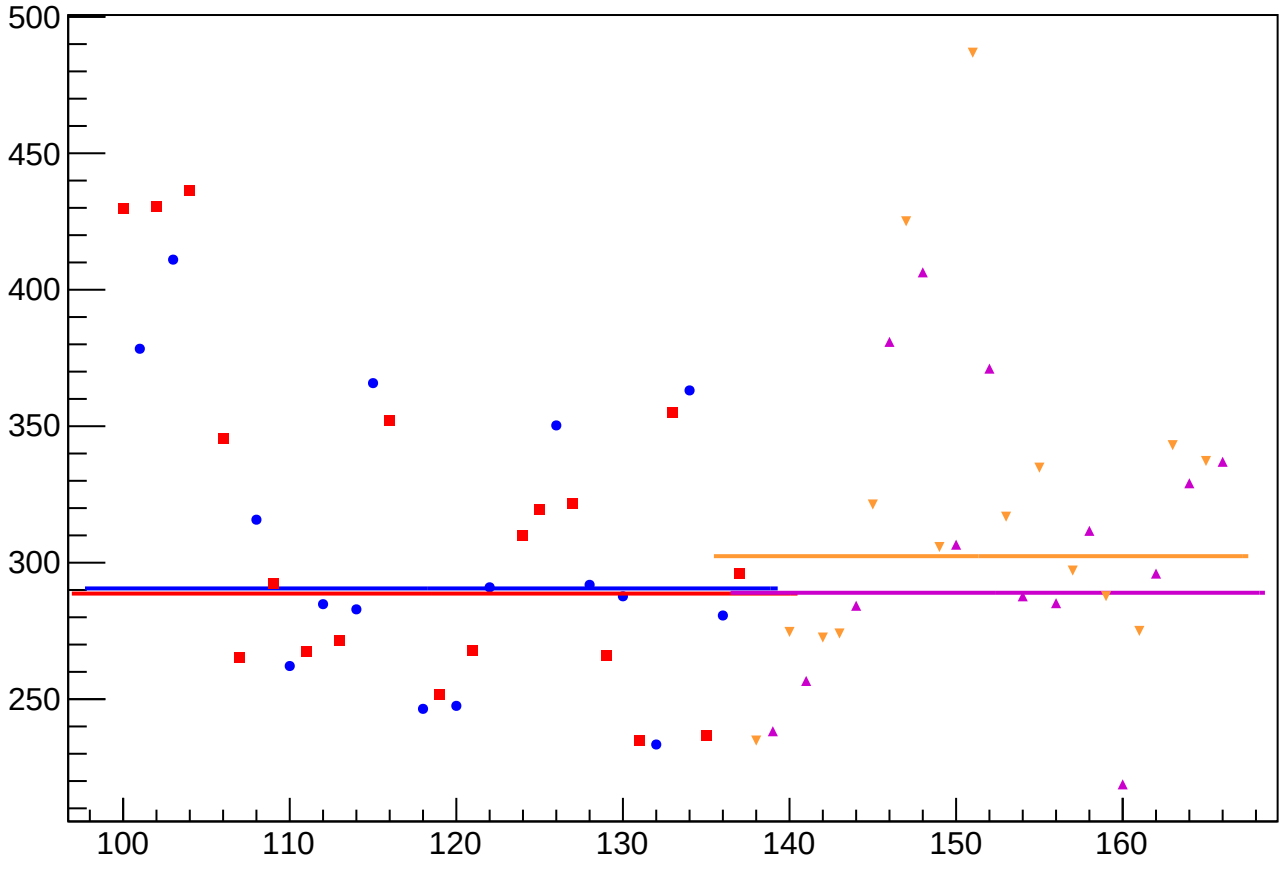
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 43.233+/-68.572 χ^2/NDF:692.9/29

Out: 176.086+/-69.251 χ^2/NDF:1120.6/33

All: 109.004+/-48.726 χ^2/NDF: 1815.4/63

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.386+/-0.064 χ^2/NDF:622704.5/14

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 288.982+/-0.062 χ^2/NDF:643121.1/13

Left: 295.477+/-0.044 χ^2/NDF: 1288647.6/28

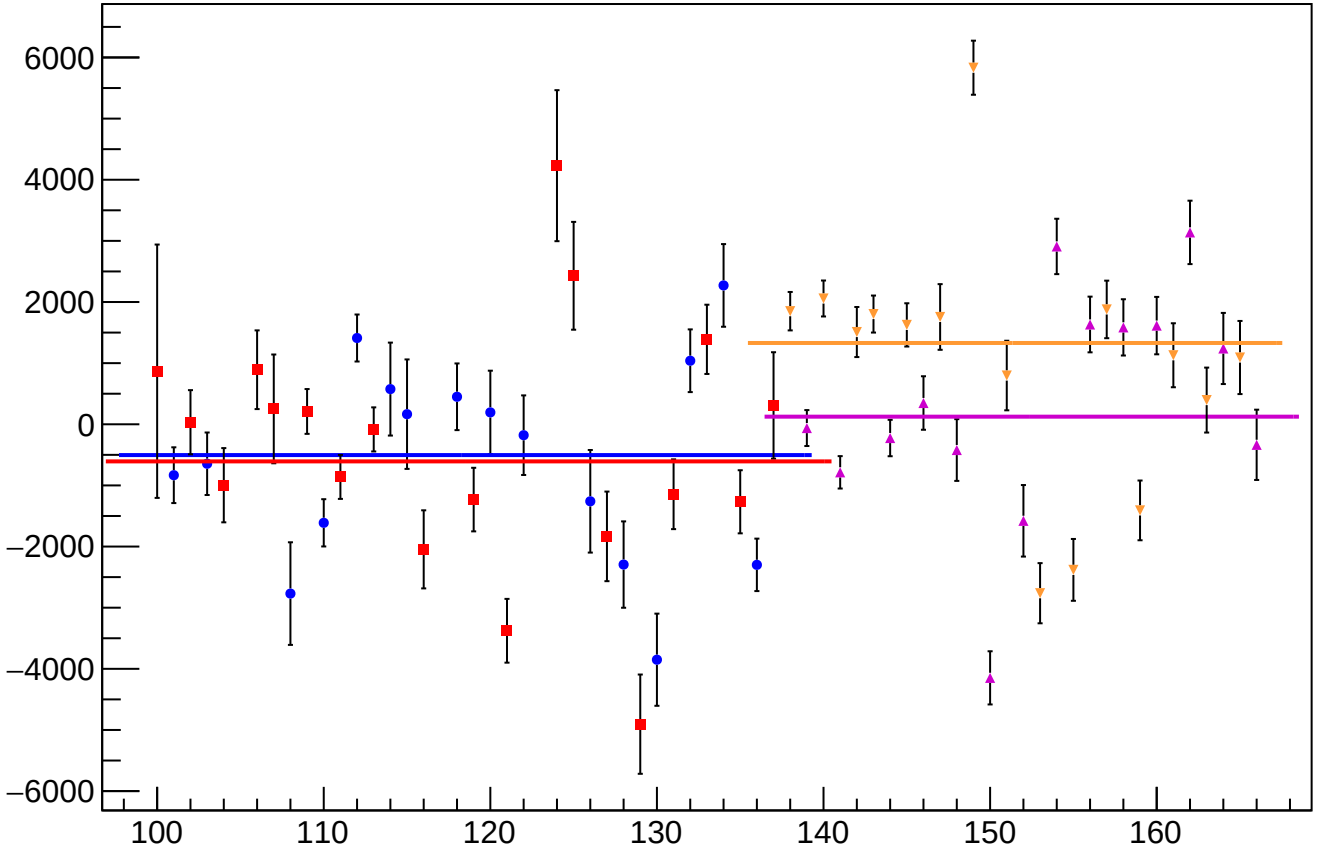
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.590+/-0.048 χ^2/NDF:1003180.8/29

Out: 296.781+/-0.049 χ^2/NDF:1130723.1/33

All: 293.150+/-0.034 χ^2/NDF: 2144793.0/63

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1329.948+/-108.500 χ^2/NDF:276.5/14

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 124.651+/-109.700 χ^2/NDF:226.9/13

Left: 733.927+/-77.142 χ^2/NDF: 564.5/28

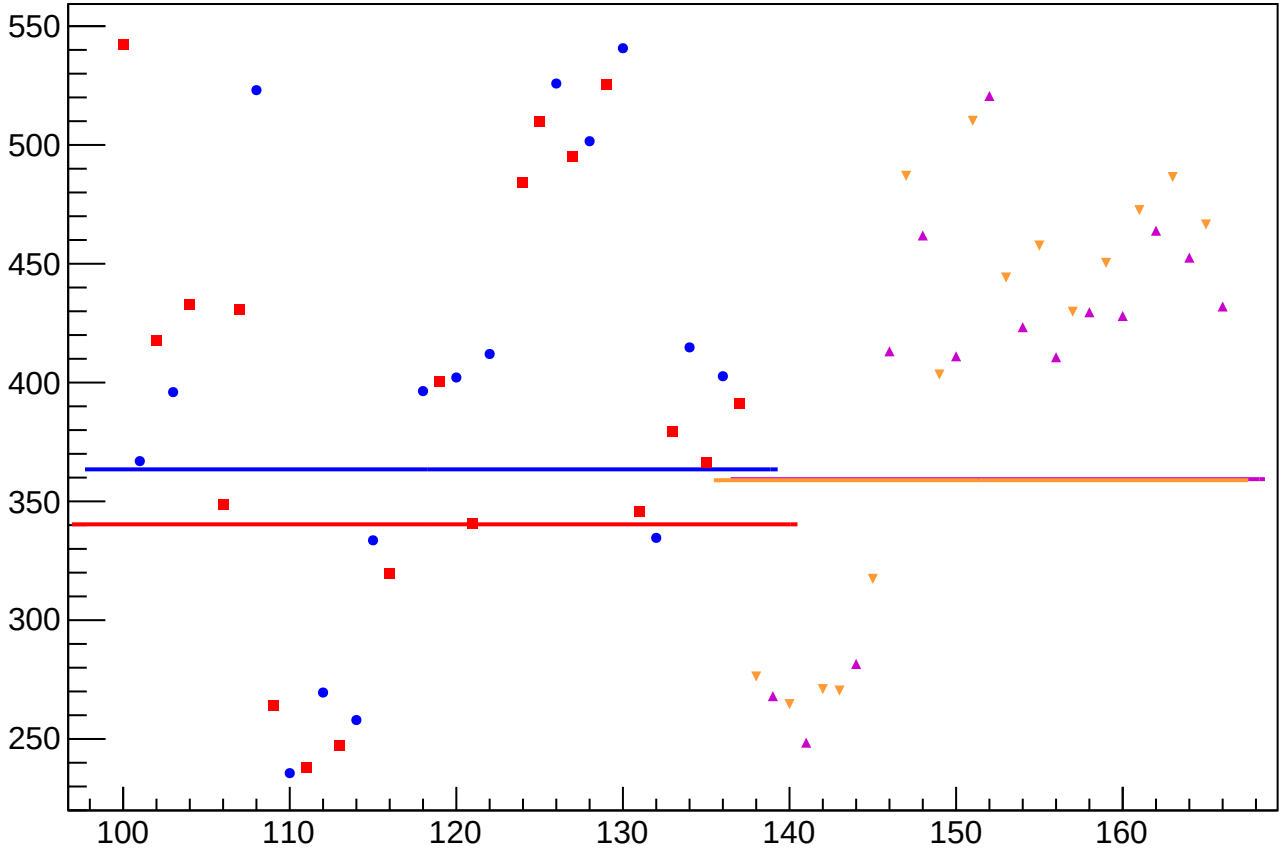
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -114.251+/-86.362 χ^2/NDF:357.6/29

Out: 531.898+/-83.196 χ^2/NDF:533.0/33

All: 220.885+/-59.917 χ^2/NDF: 919.6/63

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.903+/-0.077 χ^2/NDF:1435899.6/14

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 359.356+/-0.078 χ^2/NDF:1292055.0/13

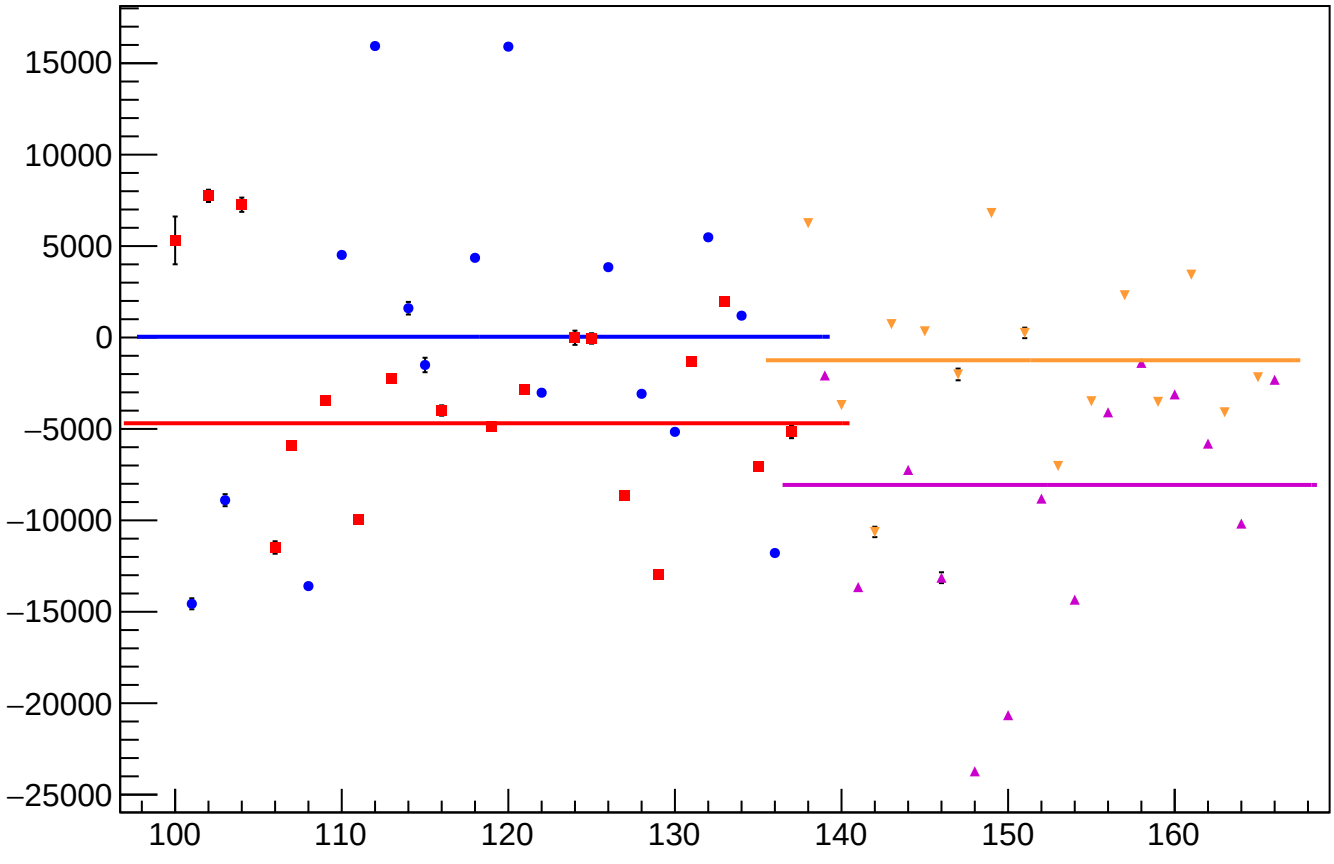
Left: 359.127+/-0.055 χ^2/NDF: 2727971.8/28

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 360.920+/-0.061 χ^2/NDF:2074018.4/29

Out: 351.251+/-0.059 χ^2/NDF:2316272.8/33

All: 355.905+/-0.042 χ^2/NDF: 4403294.3/63



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8062.432+/-51.817 χ^2/NDF:15120.7/13

Left: -4562.626+/-36.149 χ^2/NDF: 31696.9/28

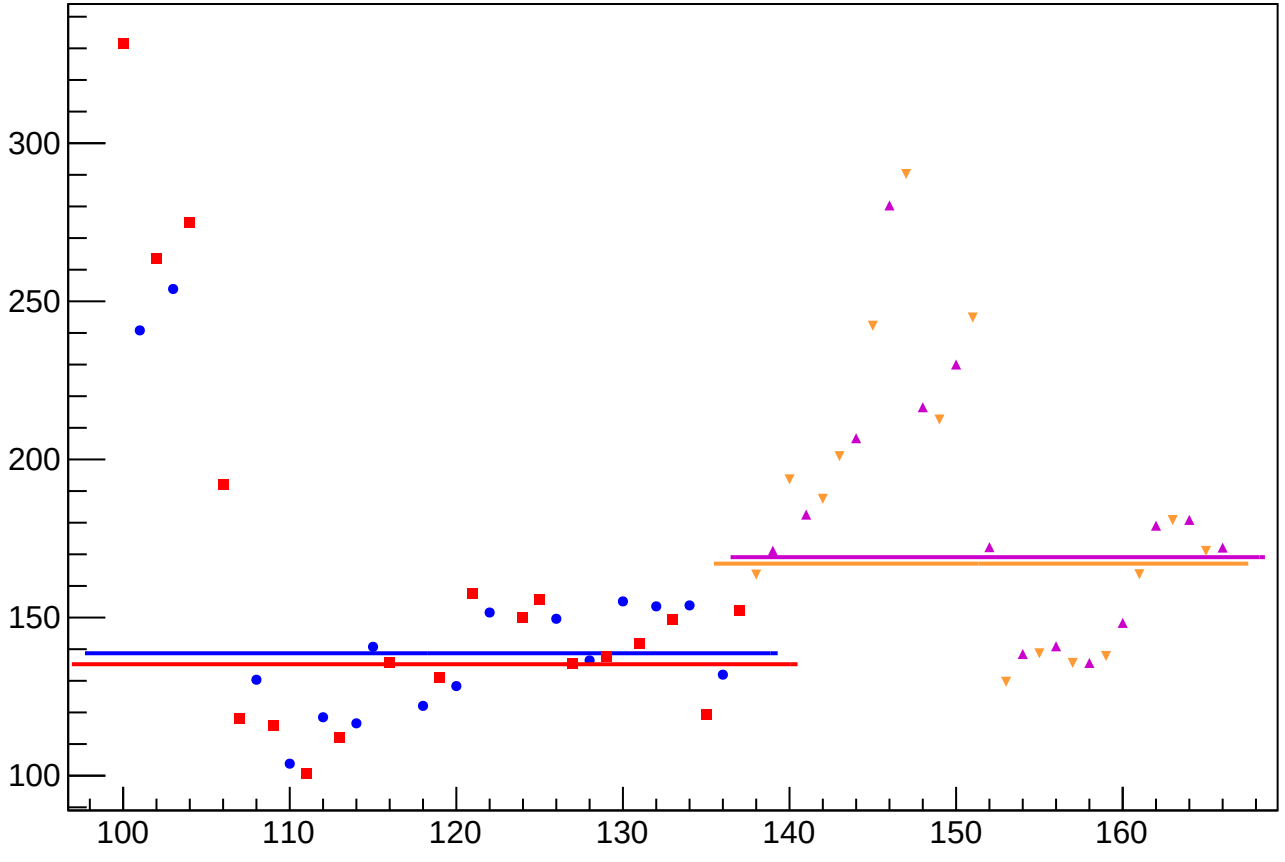
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4192.702+/-37.454 χ^2/NDF:57585.8/29

Out: -2911.959+/-36.243 χ^2/NDF:17741.8/33

All: -3531.295+/-26.045 χ^2/NDF: 75931.4/63

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 169.100+/-0.037 χ^2/NDF:846140.1/13

Left: 168.045+/-0.026 χ^2/NDF: 1985428.9/28

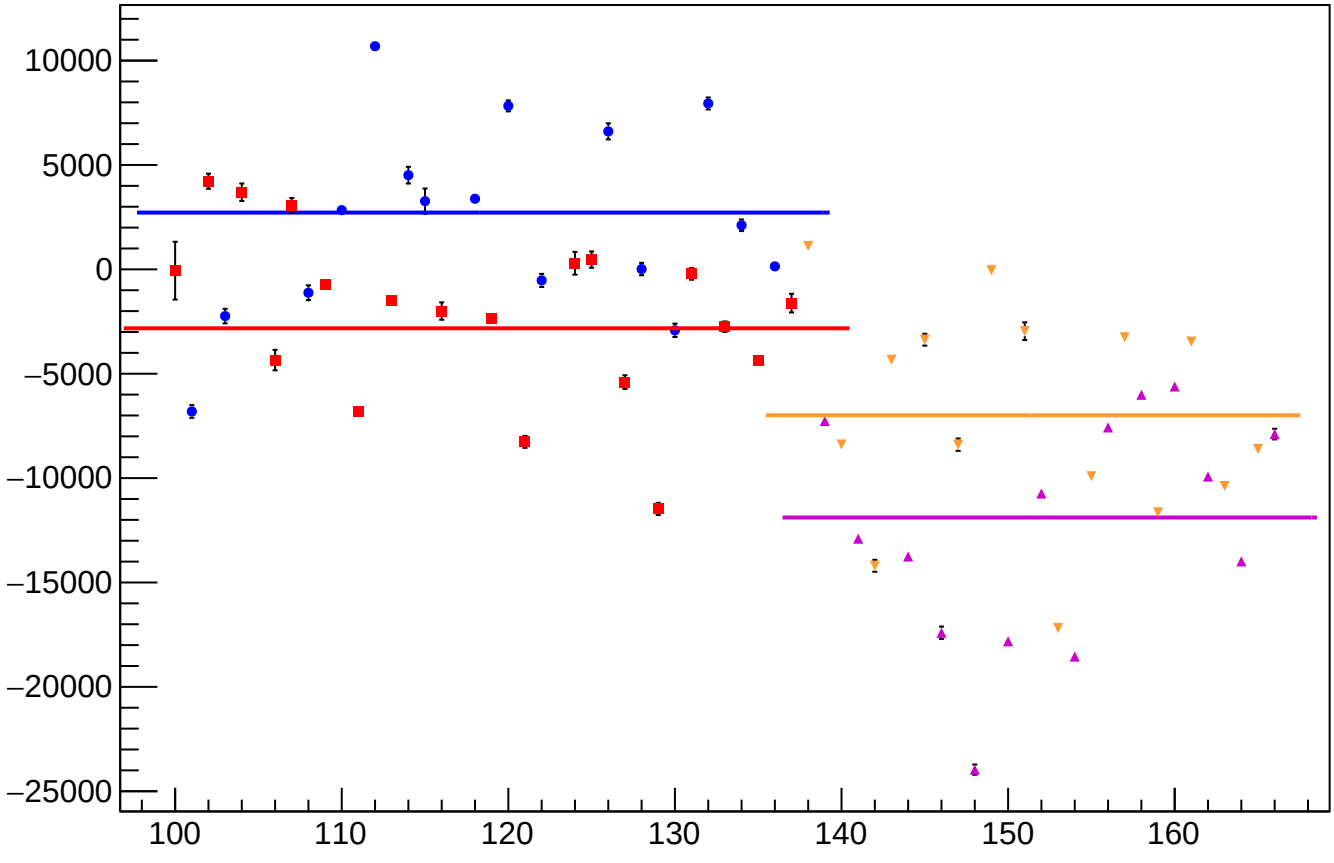
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.588+/-0.026 χ^2/NDF:1832405.7/29

Out: 151.654+/-0.026 χ^2/NDF:2412231.0/33

All: 153.073+/-0.018 χ^2/NDF: 4250977.7/63

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11887.237+/-54.038 χ^2/NDF:9454.8/13

Left: -9676.588+/-40.023 χ^2/NDF: 21072.8/28

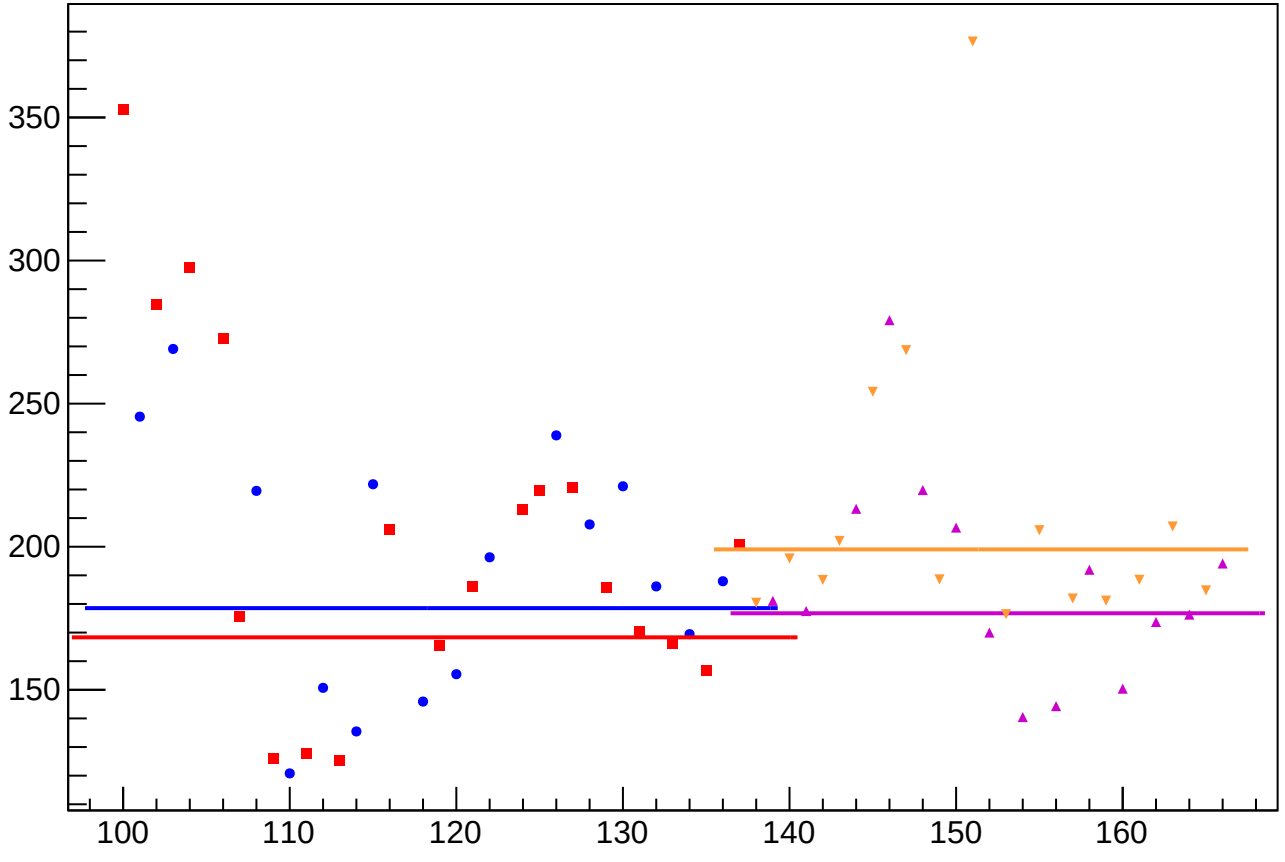
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6358.697+/-42.601 χ^2/NDF:41239.7/29

Out: -5083.500+/-43.870 χ^2/NDF:13212.3/33

All: -5739.803+/-30.562 χ^2/NDF: 54886.8/63

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.746+/-0.038 χ^2/NDF:657381.7/13

Left: 186.825+/-0.028 χ^2/NDF: 1444572.8/28

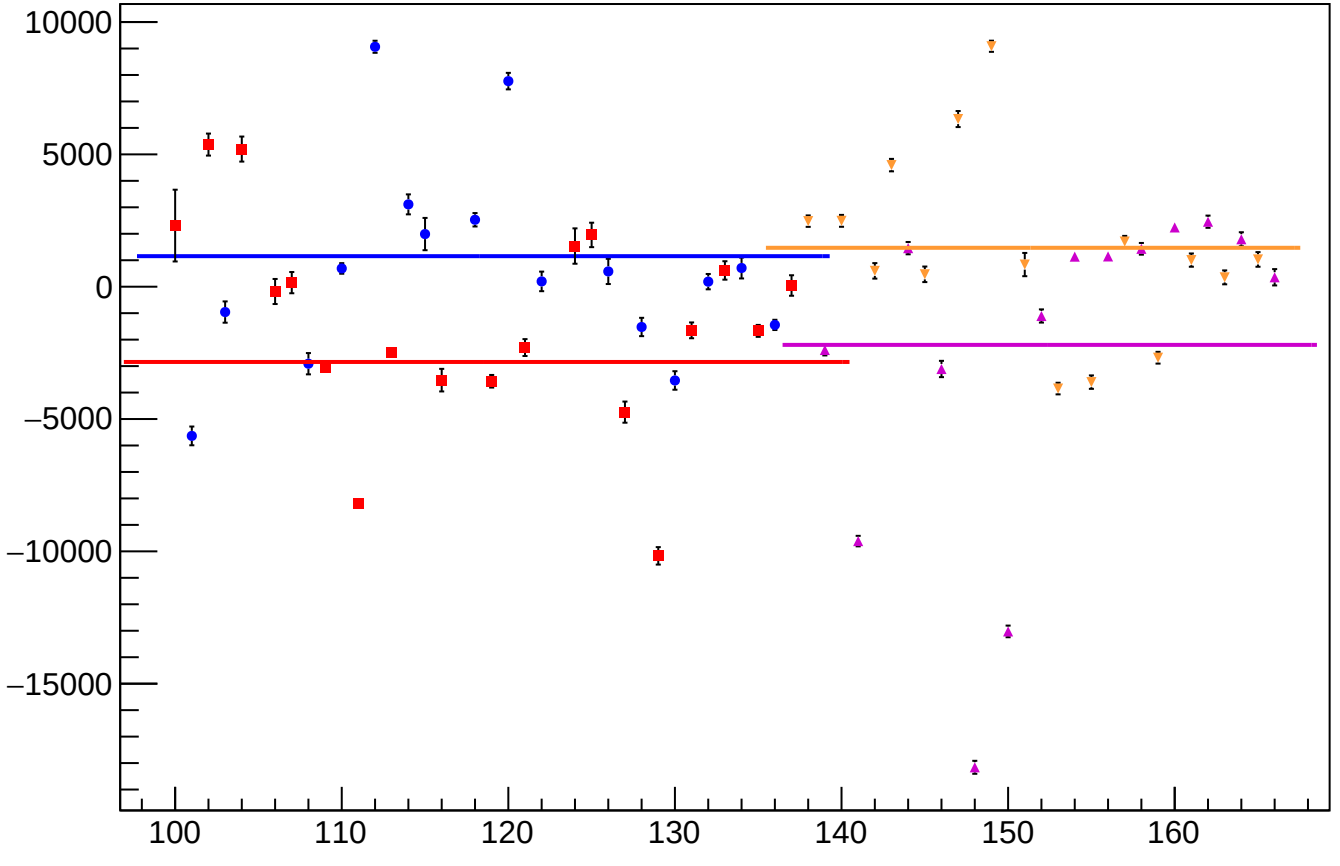
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.425+/-0.030 χ^2/NDF:1332783.1/29

Out: 185.006+/-0.031 χ^2/NDF:1856249.3/33

All: 181.104+/-0.022 χ^2/NDF: 3219767.5/63

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2198.395+/-58.383 χ^2/NDF:10626.1/13

Left: -538.369+/-43.199 χ^2/NDF: 15572.0/28

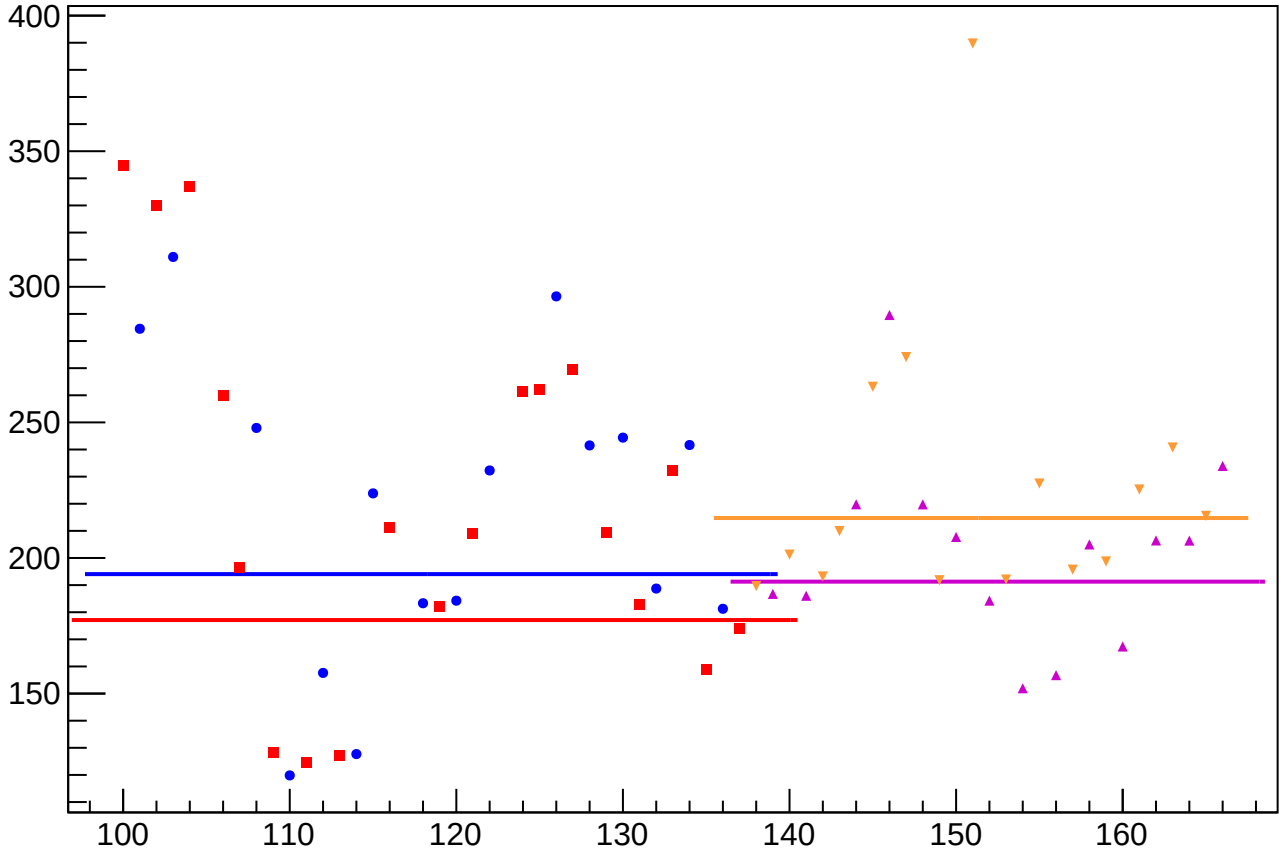
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -953.435+/-46.289 χ^2/NDF:14505.8/29

Out: -527.942+/-47.053 χ^2/NDF:7702.5/33

All: -744.171+/-32.998 χ^2/NDF: 22249.9/63

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.273+/-0.041 χ^2/NDF:560656.9/13

Left: 201.892+/-0.031 χ^2/NDF: 1299489.8/28

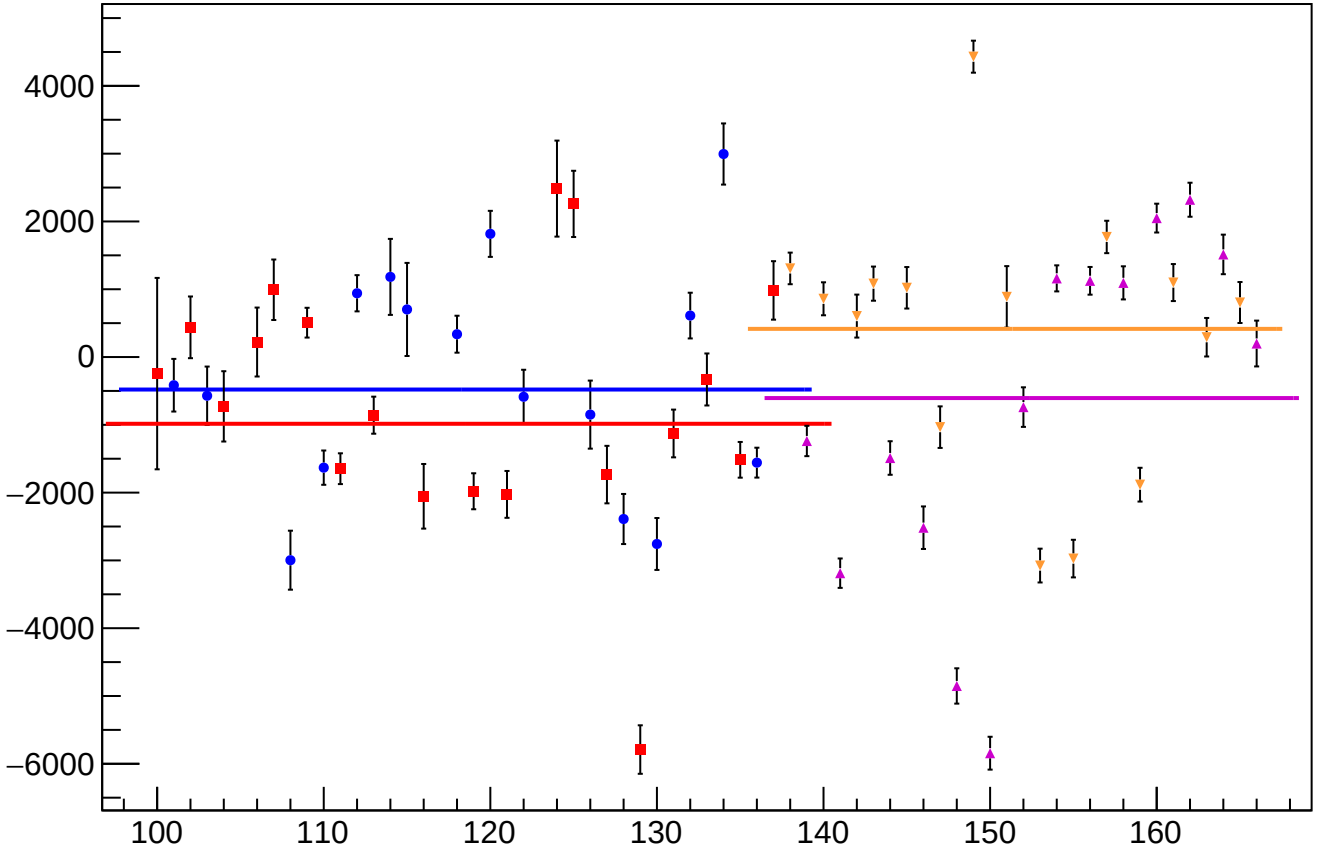
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.305+/-0.033 χ^2/NDF:1528127.2/29

Out: 197.314+/-0.033 χ^2/NDF:2269928.0/33

All: 194.769+/-0.023 χ^2/NDF: 3809569.8/63

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -605.138+/-64.887 χ^2/NDF:1487.8/13

Left: -132.739+/-47.559 χ^2/NDF: 2415.0/28

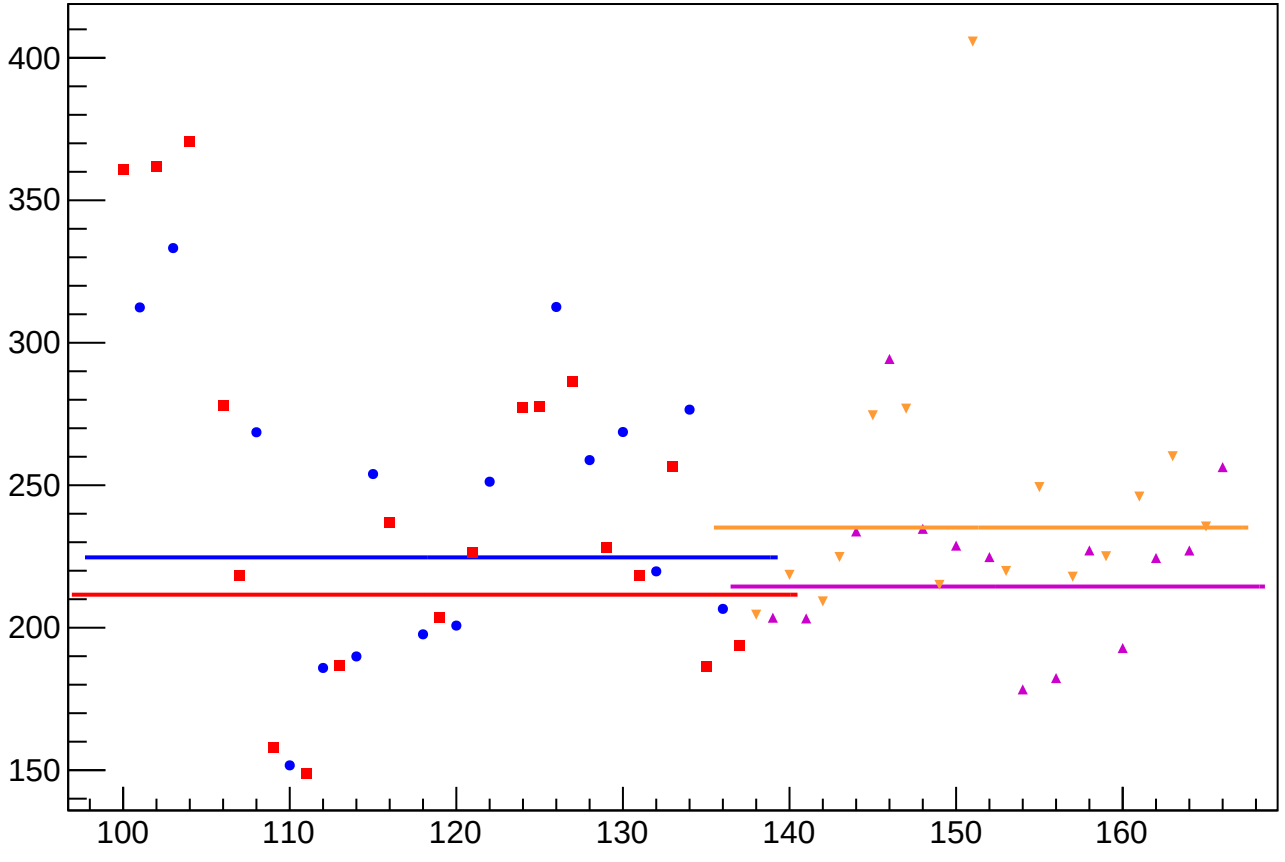
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -559.950+/-51.946 χ^2/NDF:1794.6/29

Out: -182.563+/-52.909 χ^2/NDF:1382.2/33

All: -374.723+/-37.067 χ^2/NDF: 3202.7/63

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 214.451+/-0.046 χ^2/NDF:357133.2/13

Left: 224.032+/-0.034 χ^2/NDF: 924178.1/28

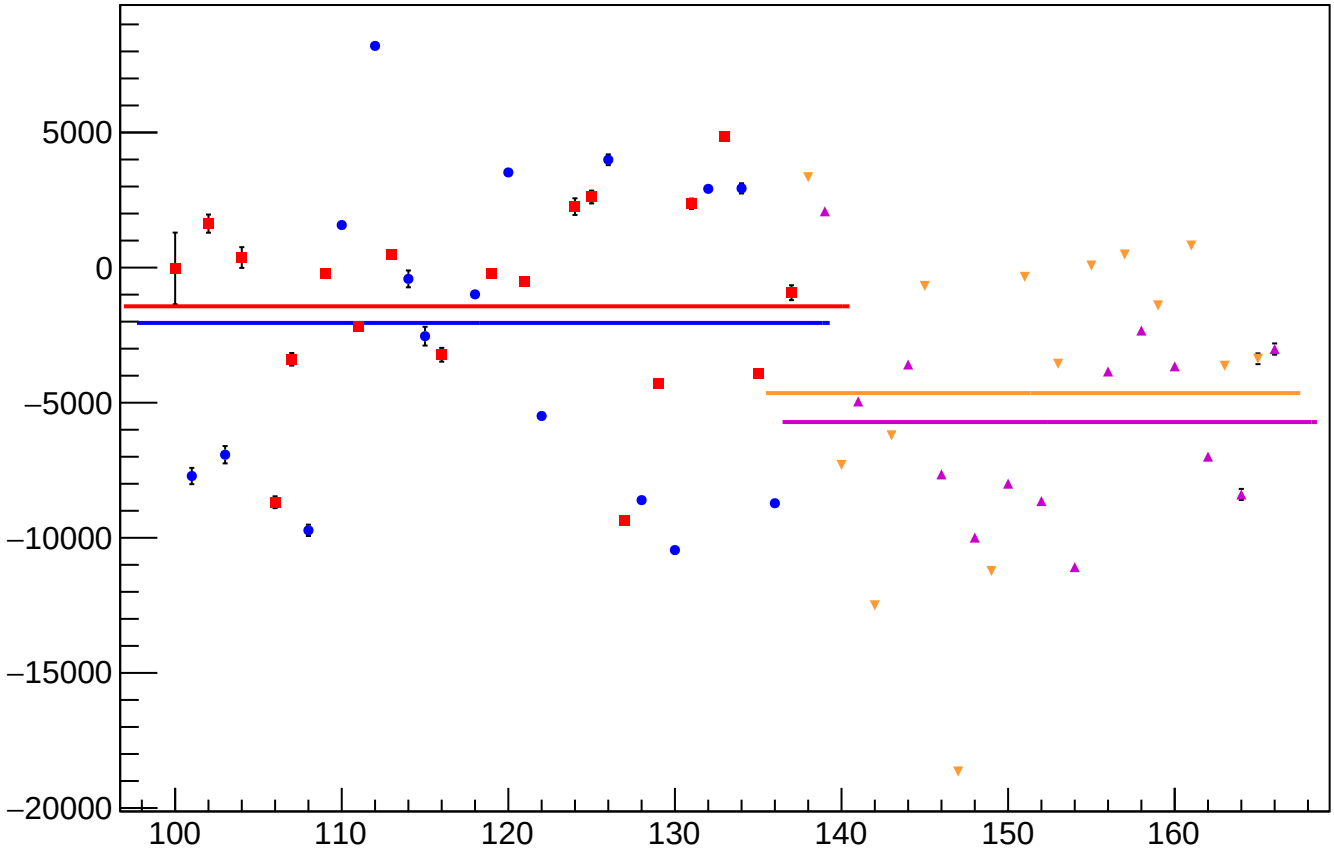
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.125+/-0.037 χ^2/NDF:1028185.1/29

Out: 225.089+/-0.037 χ^2/NDF:1502757.9/33

All: 221.543+/-0.026 χ^2/NDF: 2548583.4/63

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5715.549+/-36.389 χ^2/NDF:9610.7/13

Left: -5165.163+/-25.379 χ^2/NDF: 39792.7/28

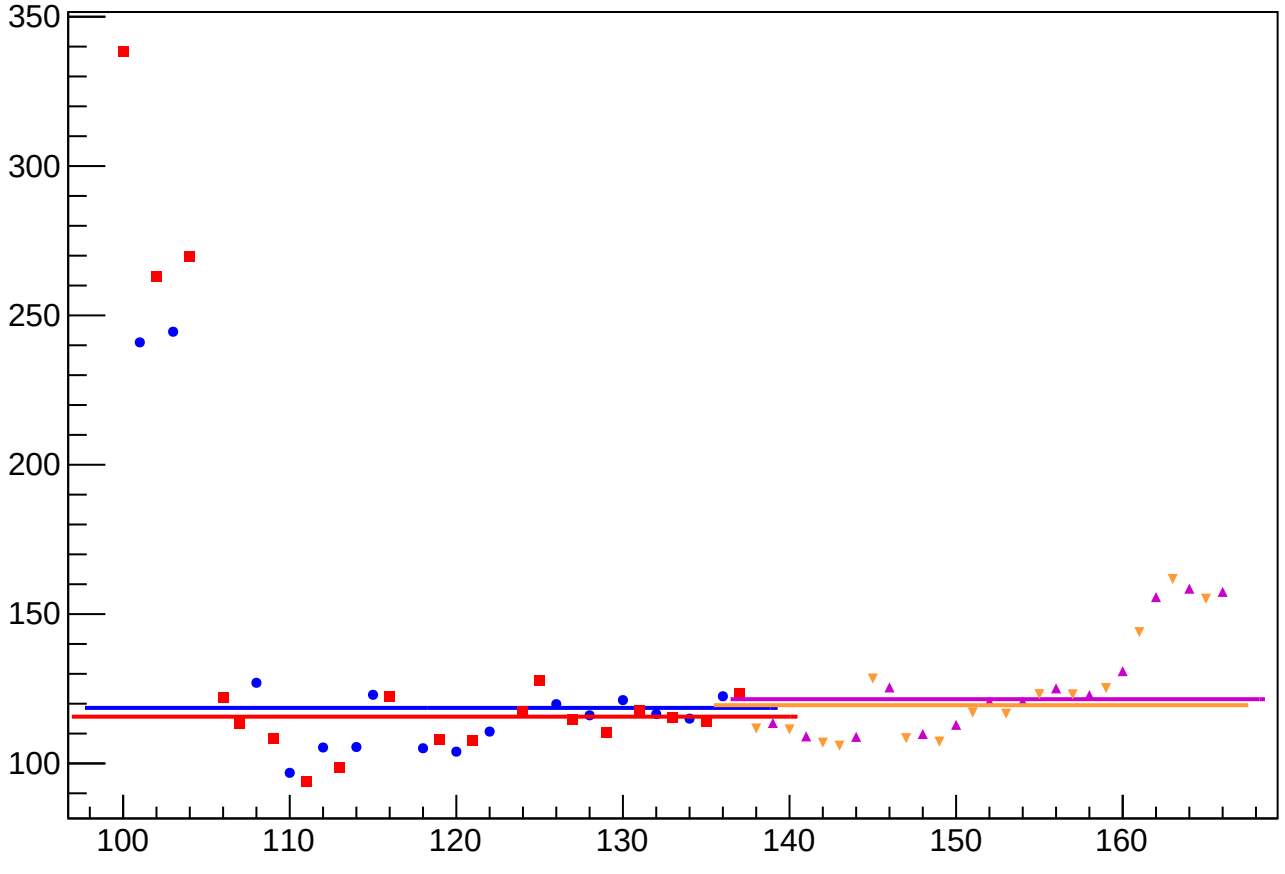
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4330.530+/-28.709 χ^2/NDF:30156.7/29

Out: -3406.611+/-27.765 χ^2/NDF:39292.0/33

All: -3853.137+/-19.958 χ^2/NDF: 69983.9/63

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 121.511+/-0.026 χ^2/NDF:296780.3/13

Left: 120.479+/-0.018 χ^2/NDF: 631794.6/28

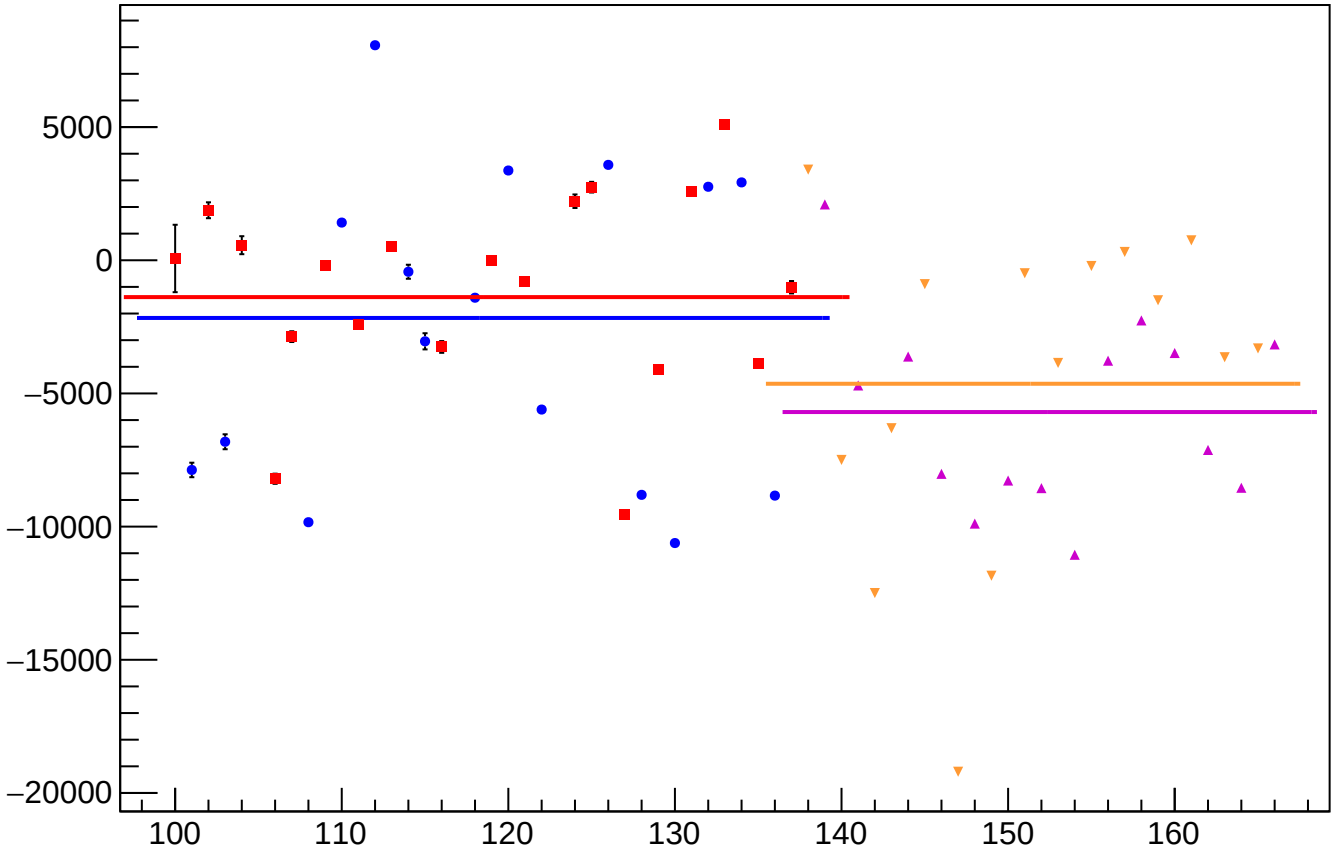
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 120.410+/-0.020 χ^2/NDF:1035786.0/29

Out: 118.022+/-0.020 χ^2/NDF:1205163.3/33

All: 119.176+/-0.014 χ^2/NDF: 2248104.5/63

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4636.640+/-31.890 χ^2/NDF:36174.3/14

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5698.440+/-33.127 χ^2/NDF:11874.1/13

Left: -5147.342+/-22.974 χ^2/NDF: 48581.6/28

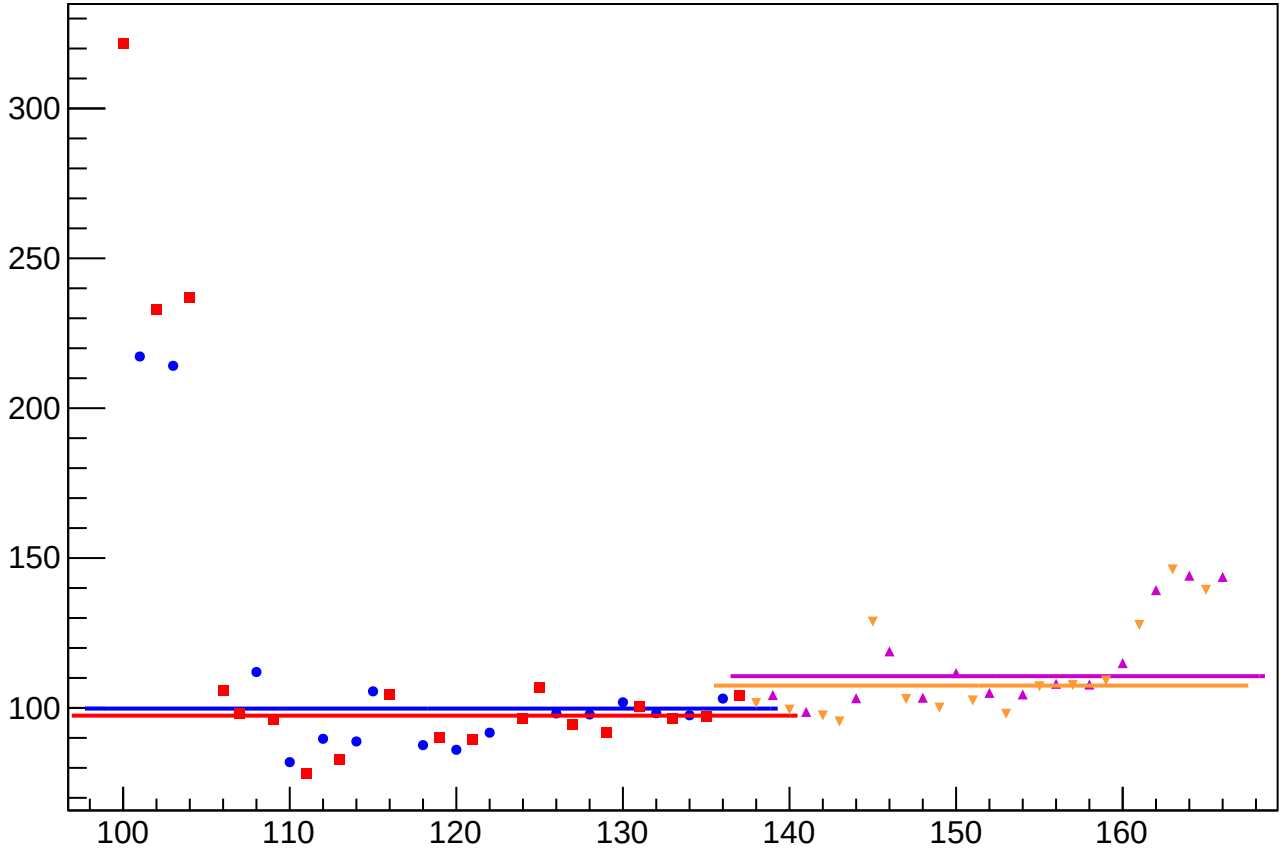
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4245.482+/-25.417 χ^2/NDF:39426.0/29

Out: -3291.155+/-24.421 χ^2/NDF:49627.5/33

All: -3749.257+/-17.610 χ^2/NDF: 89786.6/63

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 107.448+/-0.023 χ^2/NDF:344749.3/14

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 110.593+/-0.023 χ^2/NDF:265334.5/13

Left: 108.961+/-0.016 χ^2/NDF: 619440.4/28

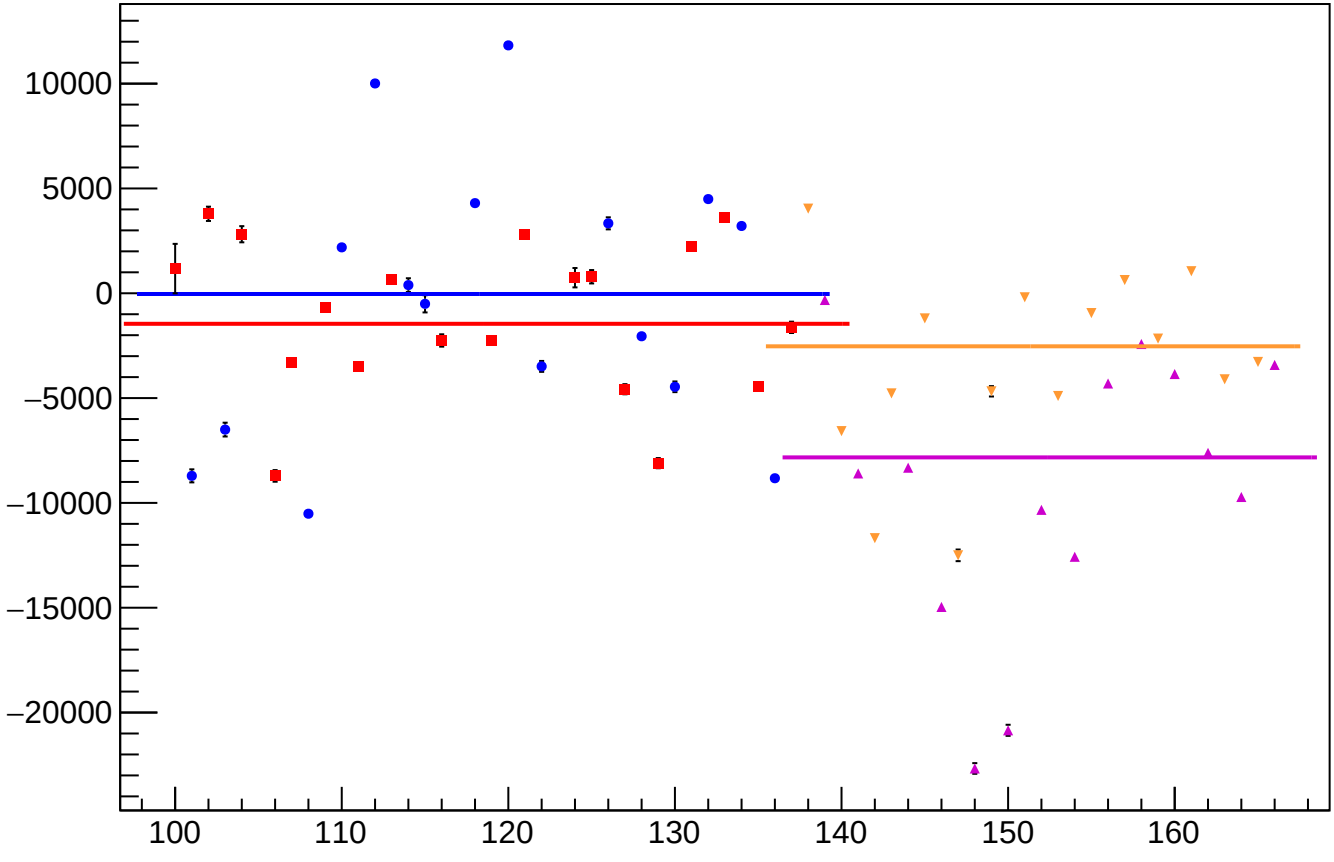
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 106.143+/-0.018 χ^2/NDF:1162218.1/29

Out: 103.304+/-0.017 χ^2/NDF:1352457.6/33

All: 104.667+/-0.012 χ^2/NDF: 2527652.9/63

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2530.427+/-45.685 χ^2/NDF:6994.4/14

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7829.192+/-47.799 χ^2/NDF:13296.8/13

Left: -5060.066+/-33.026 χ^2/NDF: 26713.4/28

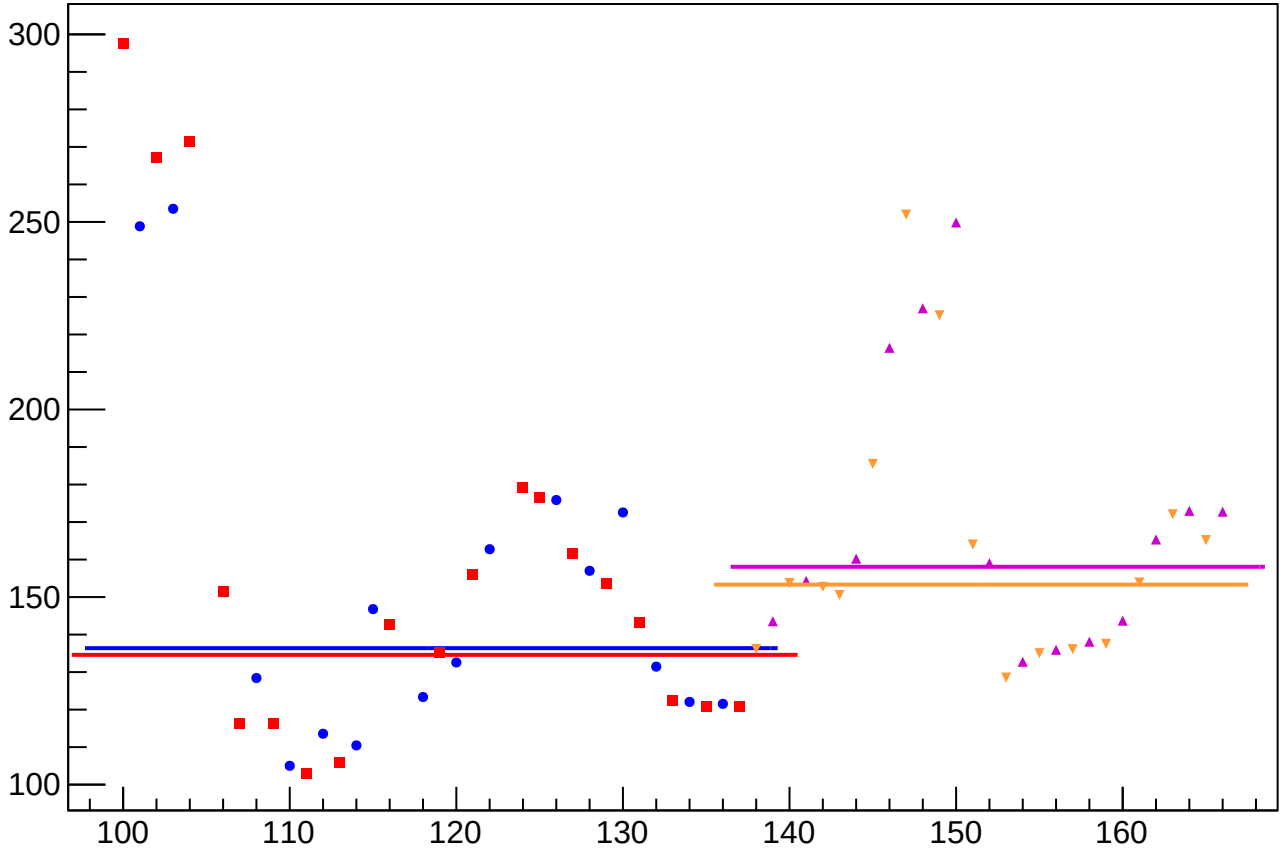
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4366.753+/-35.634 χ^2/NDF:41912.1/29

Out: -2062.123+/-34.305 χ^2/NDF:11352.3/33

All: -3170.658+/-24.714 χ^2/NDF: 55435.3/63

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.322+/-0.032 χ^2/NDF:666268.0/14

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 158.073+/-0.034 χ^2/NDF:714737.4/13

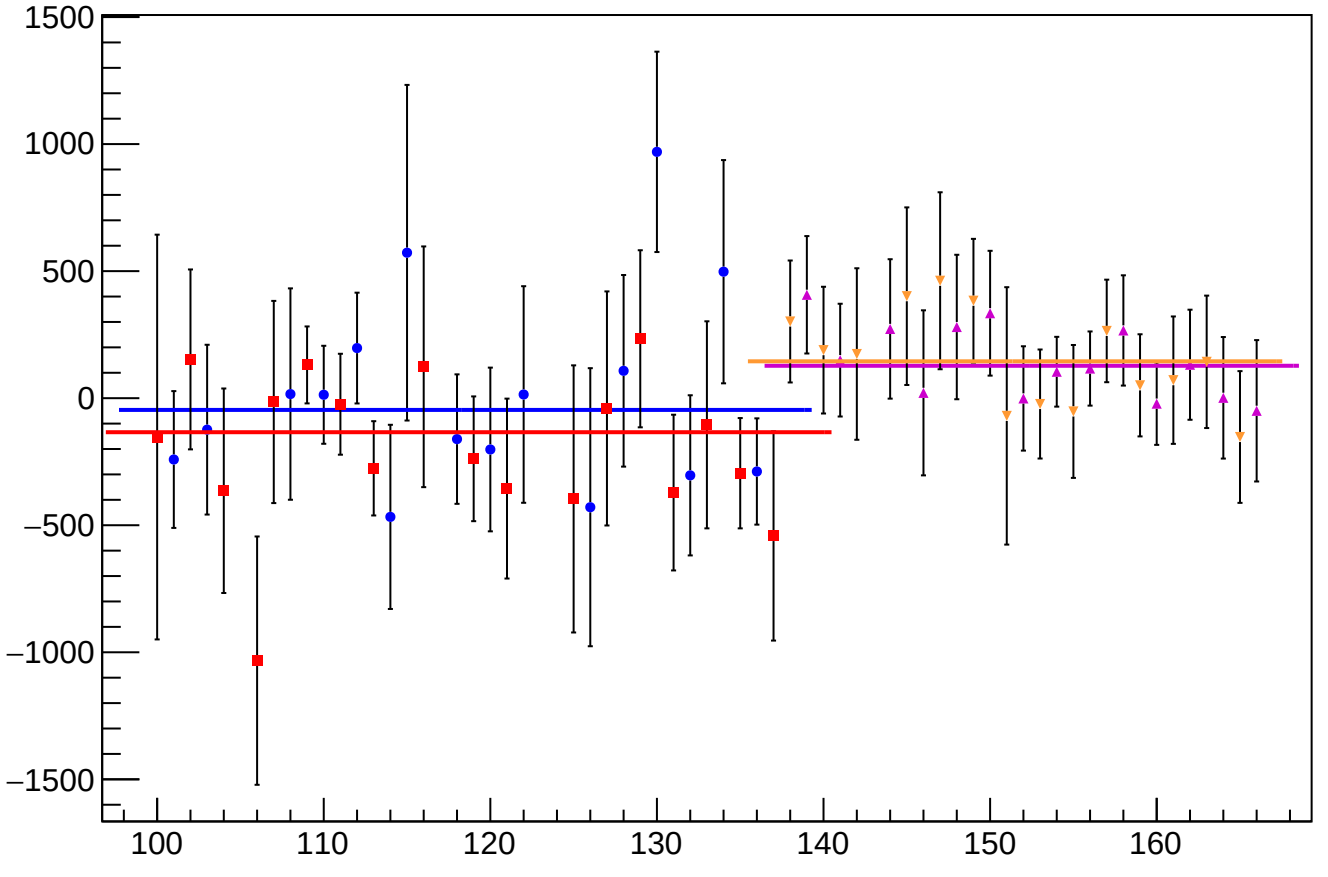
Left: 155.590+/-0.023 χ^2/NDF: 1391334.5/28

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.438+/-0.025 χ^2/NDF:1694535.4/29

Out: 145.156+/-0.024 χ^2/NDF:1732384.1/33

All: 146.735+/-0.017 χ^2/NDF: 3435727.4/63



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 145.097+/-68.906 χ^2/NDF:6.1/13

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 127.561+/-55.438 χ^2/NDF:5.2/13

Left: 134.452+/-43.194 χ^2/NDF: 11.4/27

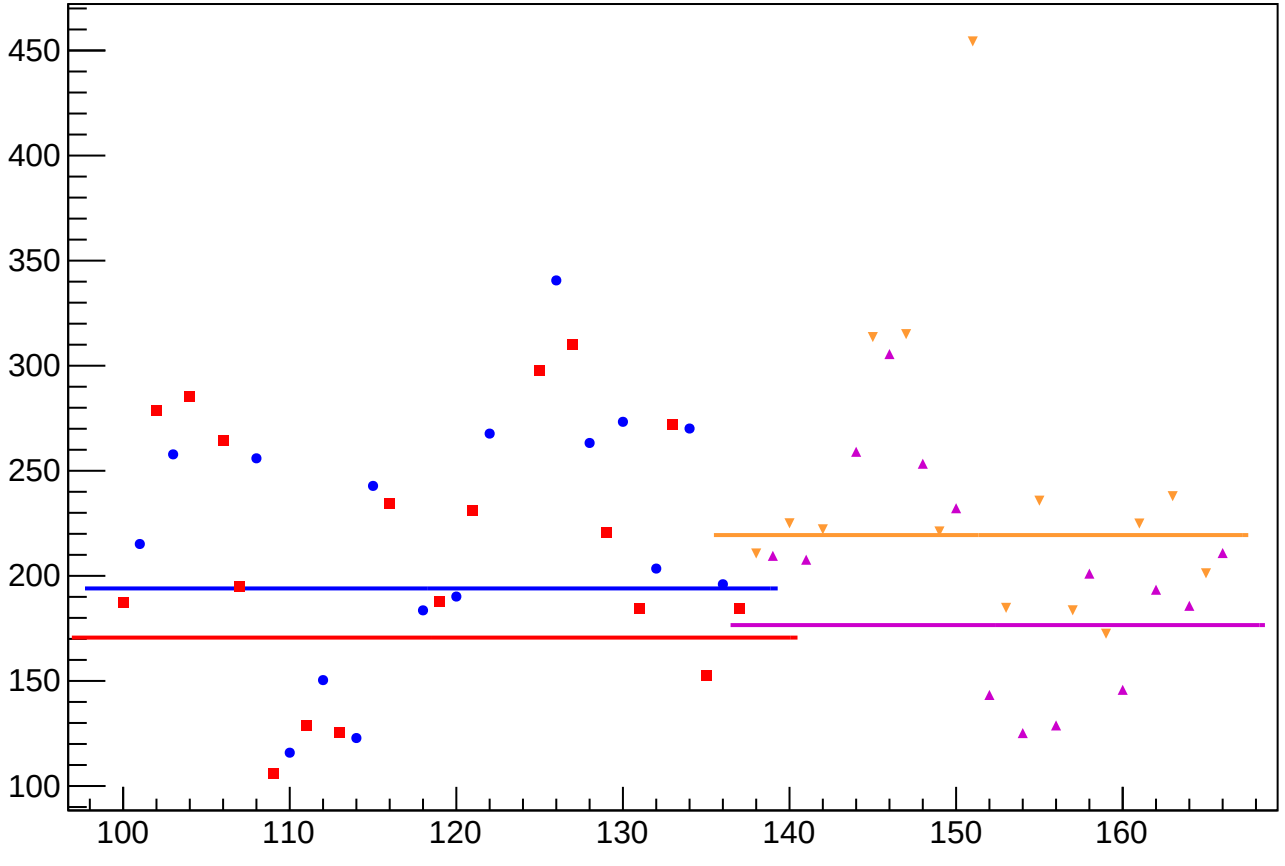
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 67.506+/-44.846 χ^2/NDF:24.1/29

Out: 4.592+/-48.549 χ^2/NDF:27.2/31

All: 38.540+/-32.942 χ^2/NDF: 52.2/61

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 219.410+/-0.049 χ^2/NDF:983113.1/13

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 176.575+/-0.039 χ^2/NDF:1513900.6/13

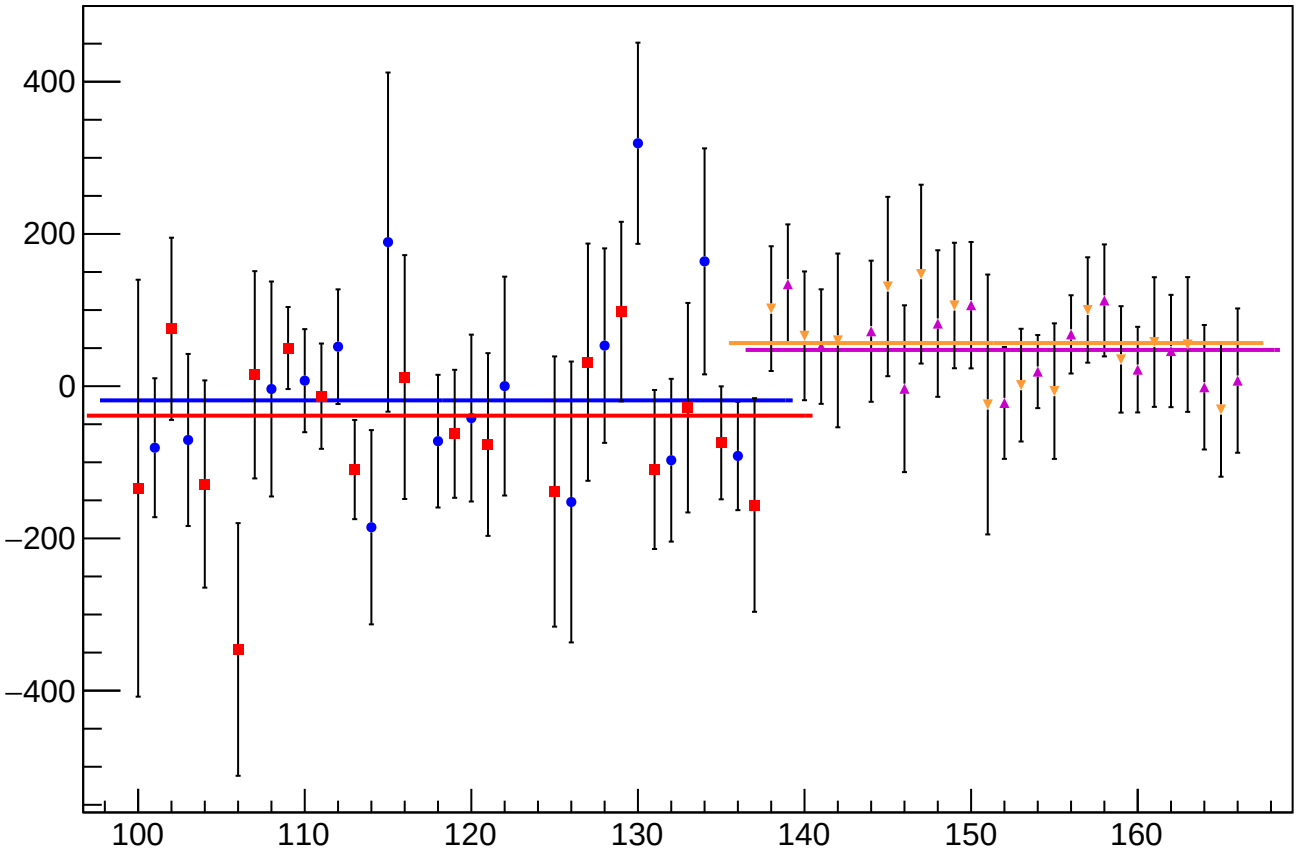
Left: 193.407+/-0.031 χ^2/NDF: 2966214.9/27

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.603+/-0.032 χ^2/NDF:2625914.4/29

Out: 194.842+/-0.034 χ^2/NDF:3081736.7/31

All: 188.238+/-0.023 χ^2/NDF: 5776237.4/61



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 56.707+/-23.526 χ^2/NDF:4.4/13

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 47.599+/-19.127 χ^2/NDF:5.1/13

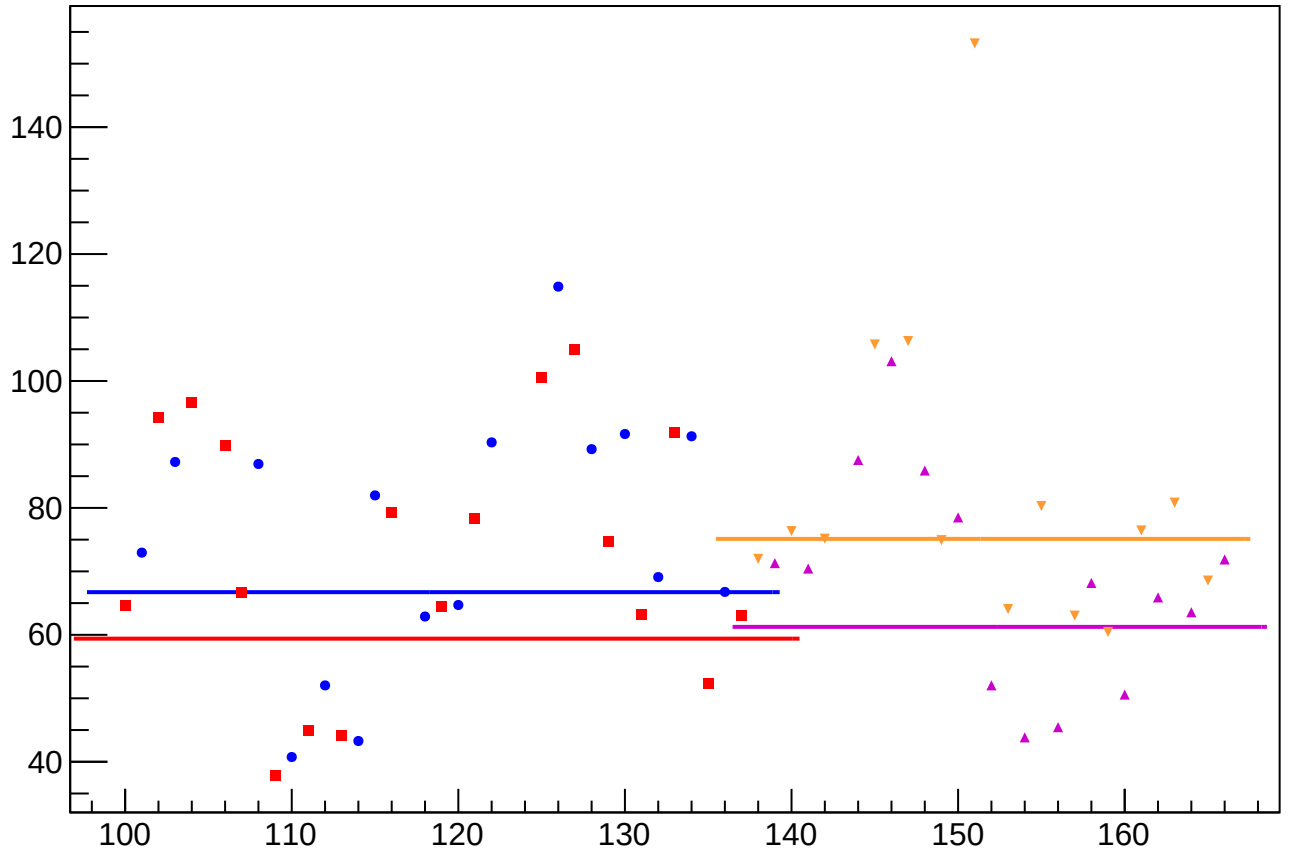
Left: 51.224+/-14.841 χ^2/NDF: 9.6/27

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.480+/-15.432 χ^2/NDF:24.5/29

Out: 9.250+/-16.680 χ^2/NDF:25.2/31

All: 17.456+/-11.328 χ^2/NDF: 50.1/61



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.120+/-0.017 χ^2/NDF:917829.5/13

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.257+/-0.014 χ^2/NDF:1340050.7/13

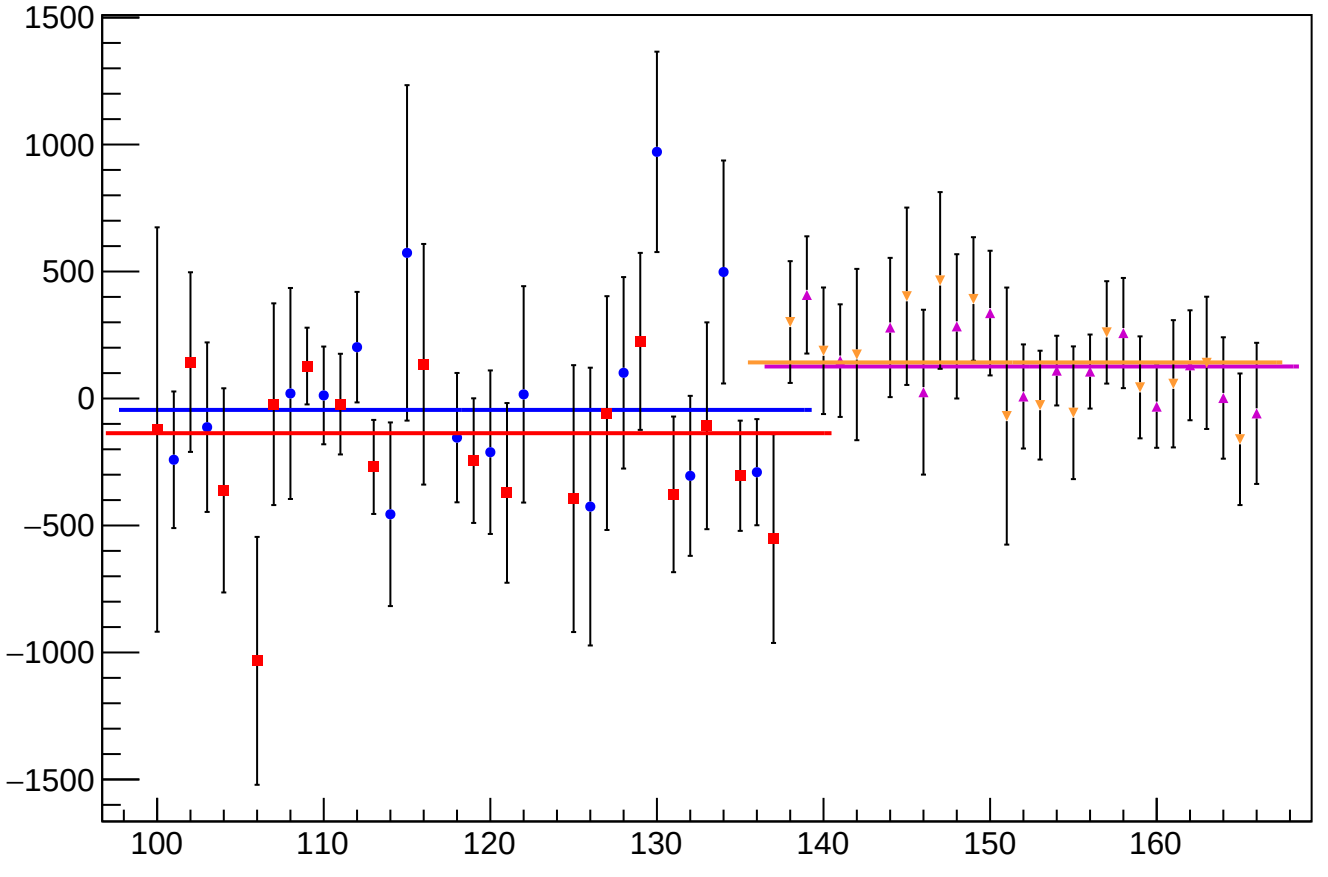
Left: 66.773+/-0.010 χ^2/NDF: 2675989.0/27

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.165+/-0.011 χ^2/NDF:2344128.1/29

Out: 67.302+/-0.012 χ^2/NDF:2807268.3/31

All: 65.073+/-0.008 χ^2/NDF: 5217690.3/61



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 142.106+/-68.849 χ^2/NDF:6.4/13

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 126.057+/-55.389 χ^2/NDF:5.3/13

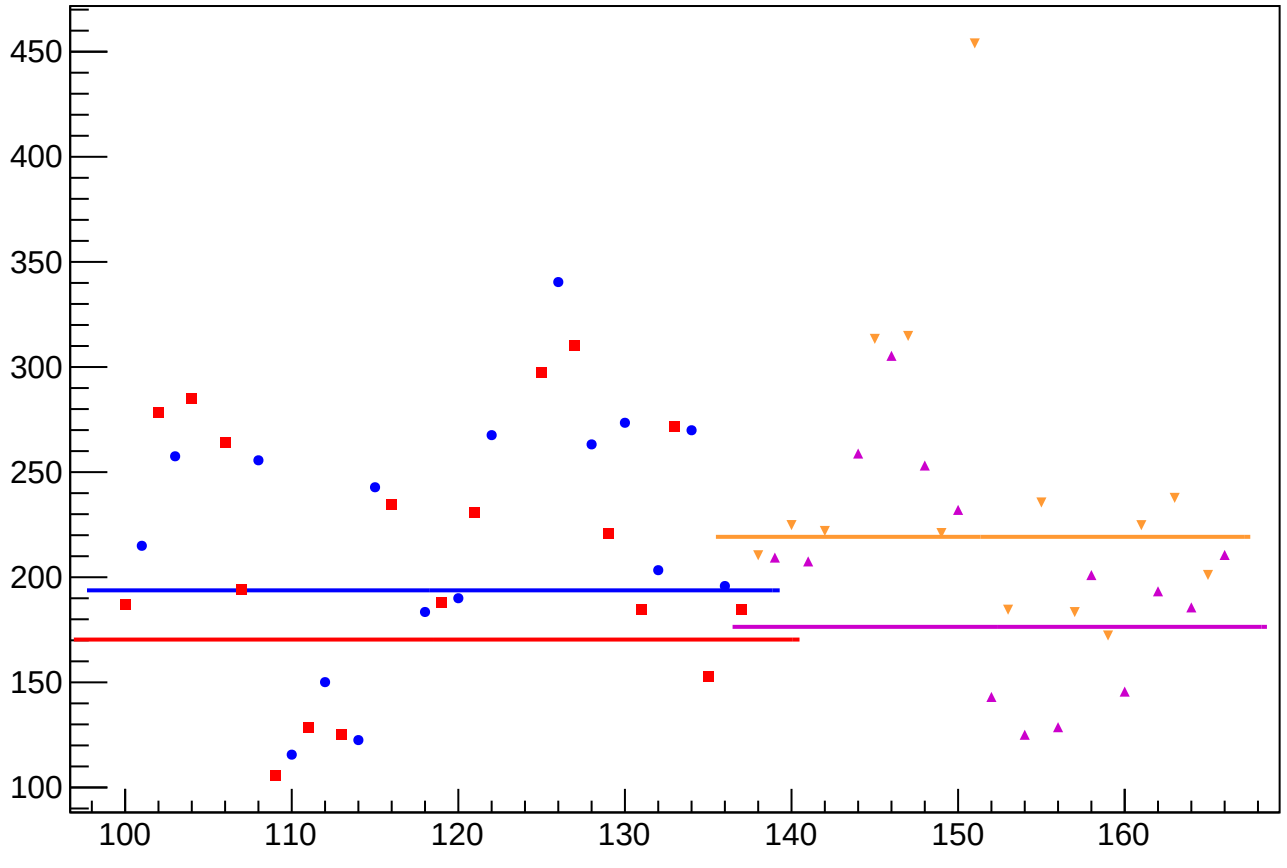
Left: 132.363+/-43.157 χ^2/NDF: 11.8/27

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 66.948+/-44.803 χ^2/NDF:24.1/29

Out: 1.695+/-48.496 χ^2/NDF:27.5/31

All: 36.900+/-32.909 χ^2/NDF: 52.6/61



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.223+/-0.049 χ^2/NDF:983786.9/13

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 176.407+/-0.039 χ^2/NDF:1515961.3/13

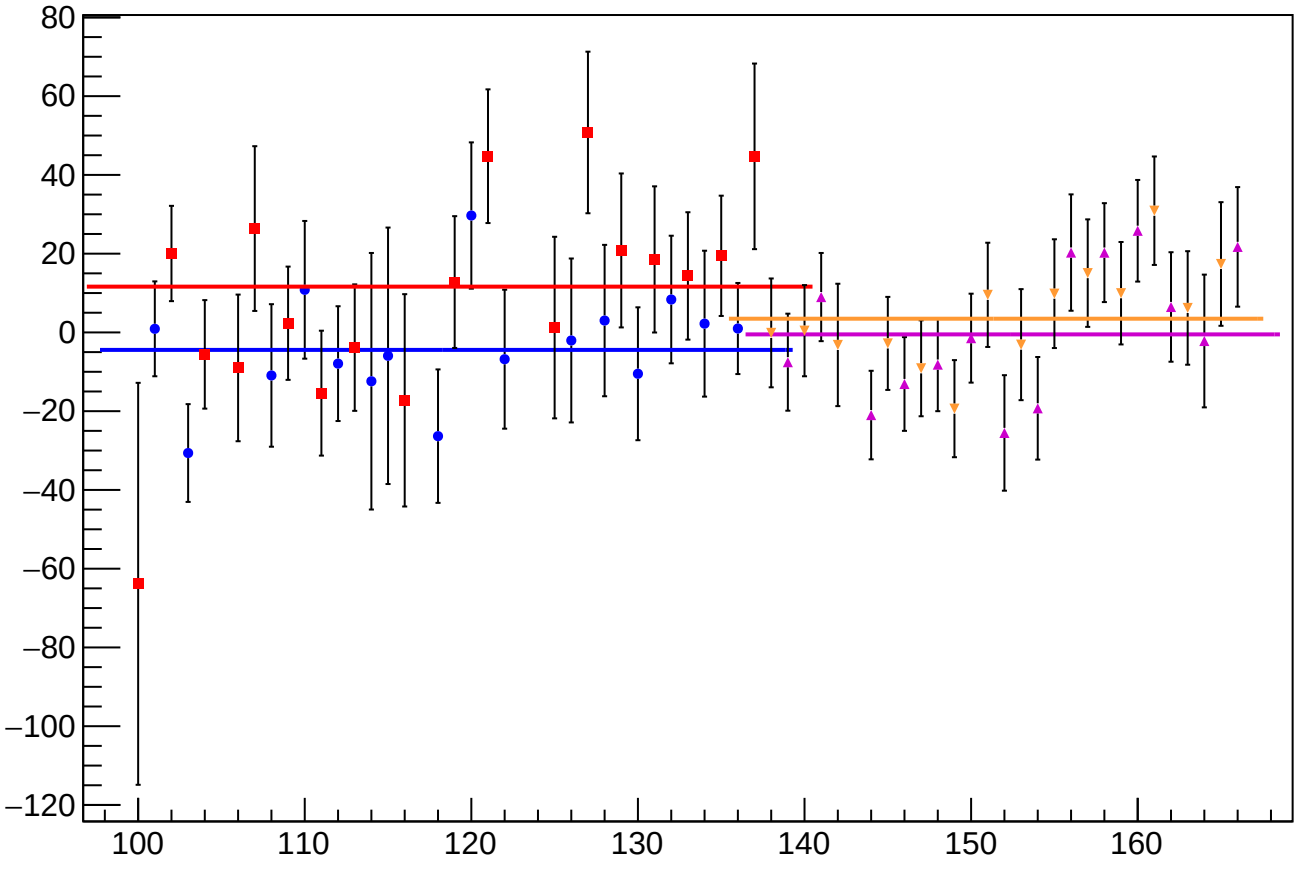
Left: 193.230+/-0.031 χ^2/NDF: 2969313.5/27

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.409+/-0.032 χ^2/NDF:2631982.8/29

Out: 194.603+/-0.034 χ^2/NDF:3090423.1/31

All: 188.024+/-0.023 χ^2/NDF: 5790625.1/61



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 3.483+/-3.564 χ^2/NDF:11.5/13

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.499+/-3.430 χ^2/NDF:22.2/13

Left: 1.415+/-2.471 χ^2/NDF: 34.3/27

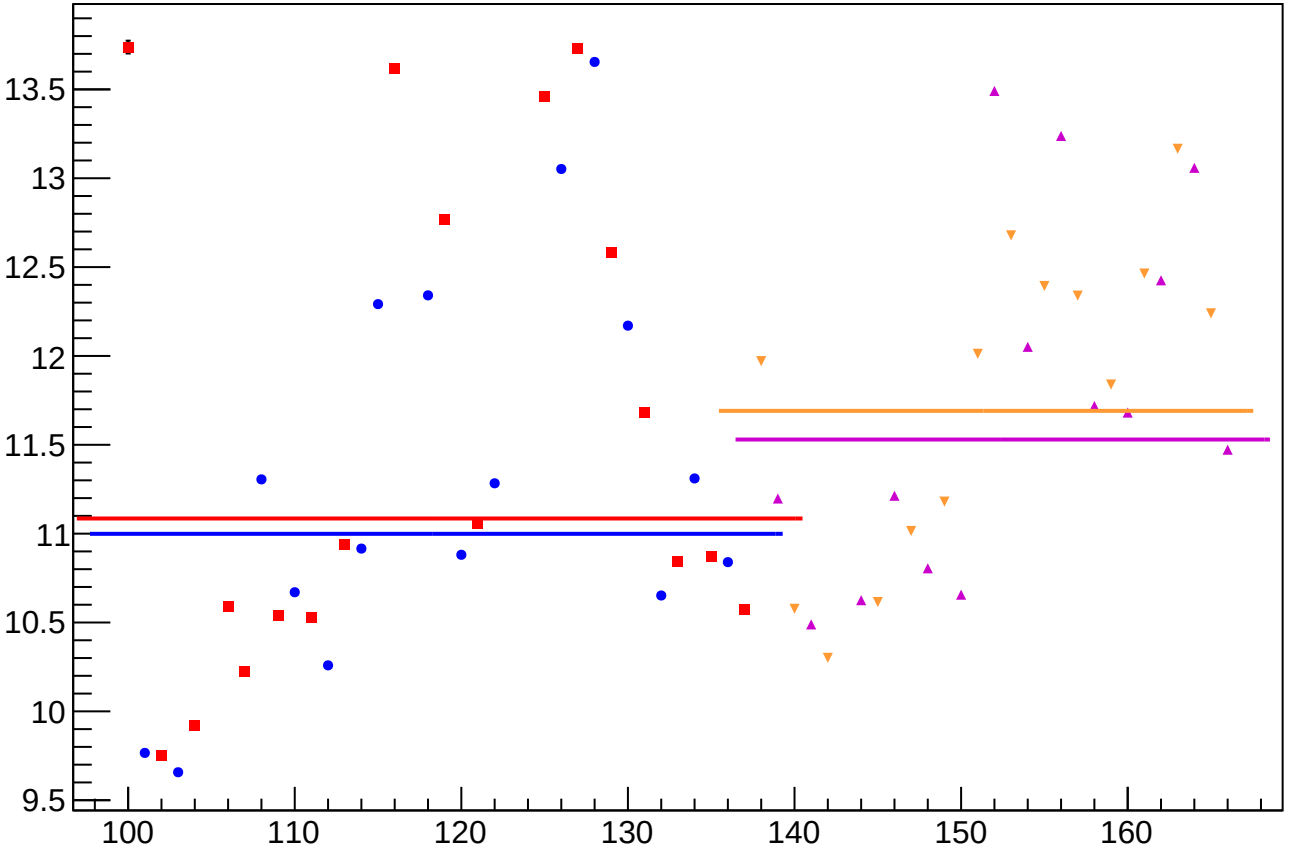
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.107+/-2.639 χ^2/NDF:34.7/29

Out: 6.953+/-2.700 χ^2/NDF:35.4/31

All: 2.318+/-1.887 χ^2/NDF: 75.8/61

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.691+/-0.003 χ^2/NDF:112119.8/13

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.530+/-0.002 χ^2/NDF:143749.9/13

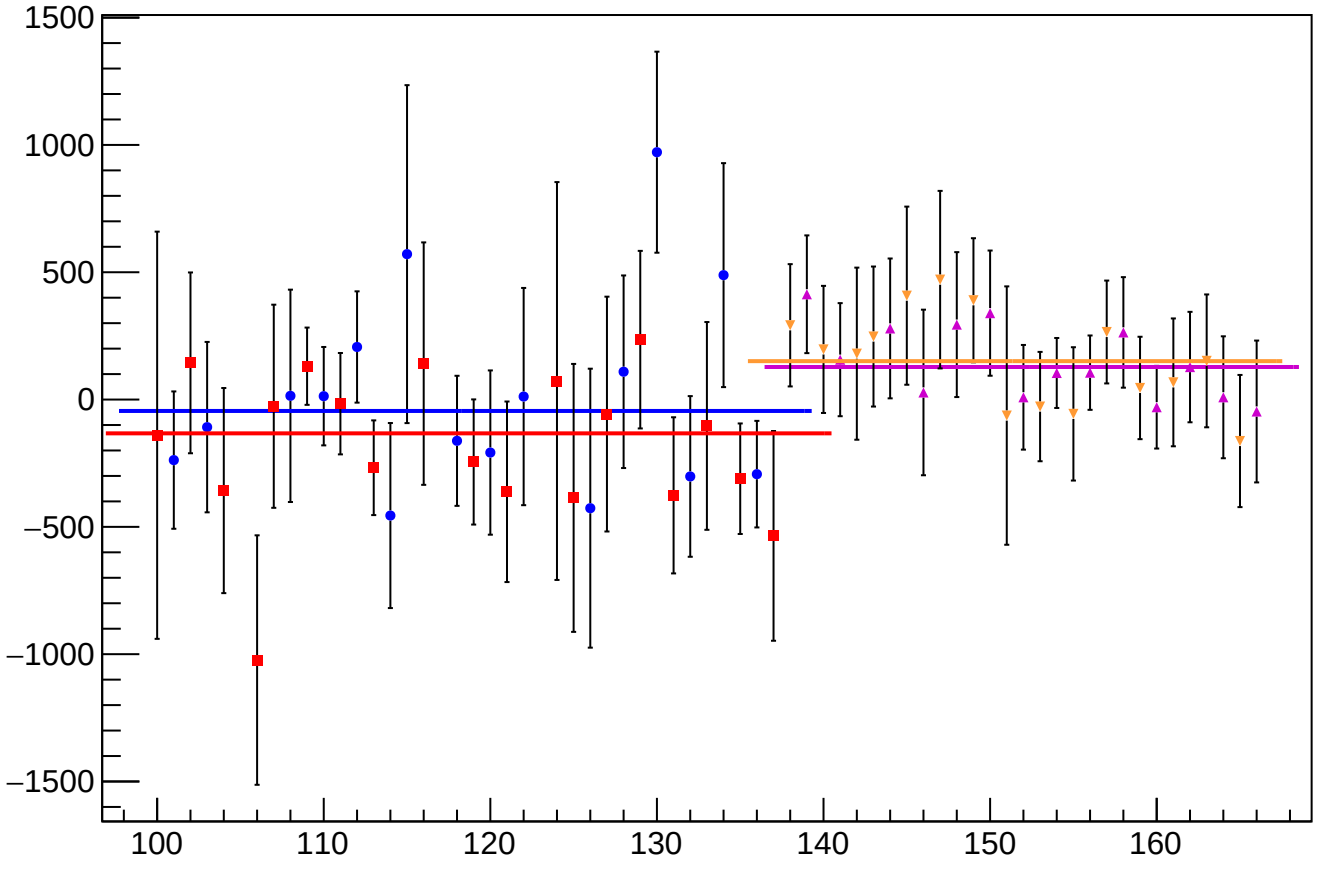
Left: 11.607+/-0.002 χ^2/NDF: 257999.1/27

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.313+/-0.002 χ^2/NDF:299444.9/29

Out: 11.433+/-0.002 χ^2/NDF:298939.9/31

All: 11.372+/-0.001 χ^2/NDF: 600399.3/61



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 127.863+/-55.479 χ^2/NDF:5.4/13

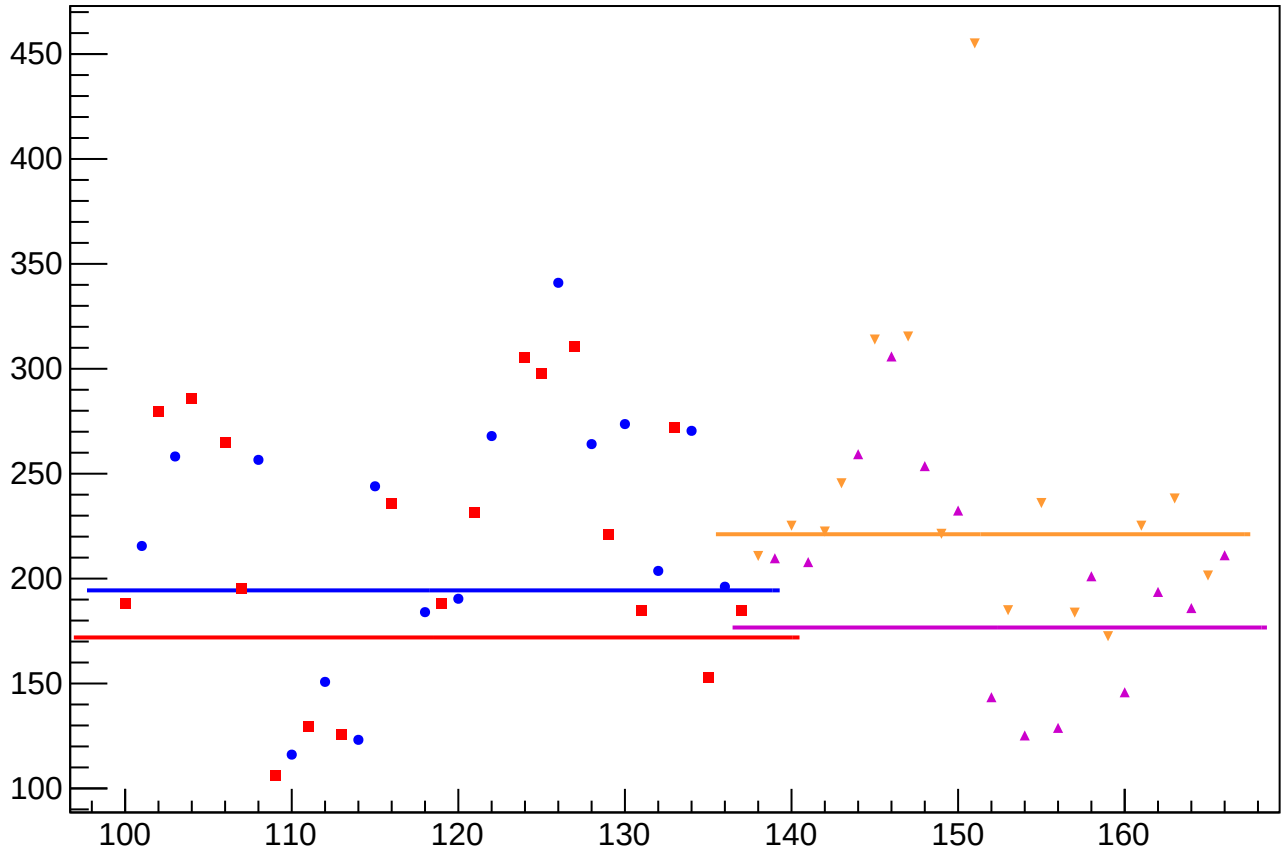
Left: 137.215+/-42.705 χ^2/NDF: 12.0/28

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.275+/-44.896 χ^2/NDF:24.2/29

Out: 11.914+/-47.782 χ^2/NDF:28.2/33

All: 41.848+/-32.719 χ^2/NDF: 53.1/63



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.143+/-0.047 χ^2/NDF:1001102.8/14

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.690+/-0.039 χ^2/NDF:1516345.9/13

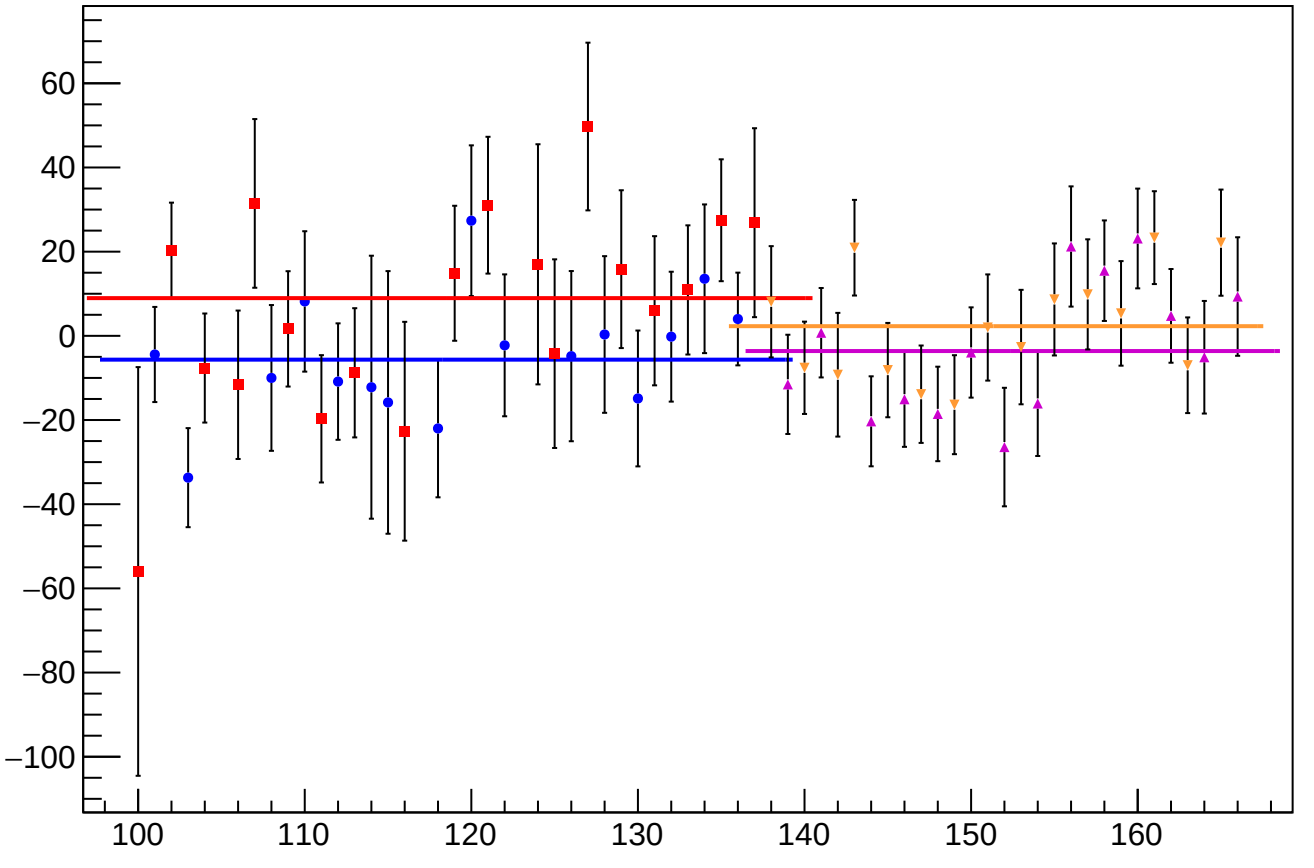
Left: 194.804+/-0.030 χ^2/NDF: 3040642.9/28

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.797+/-0.032 χ^2/NDF:2628585.4/29

Out: 197.044+/-0.034 χ^2/NDF:3182198.8/33

All: 189.477+/-0.023 χ^2/NDF: 5905215.1/63



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.612+/-3.187 χ^2/NDF:21.6/13

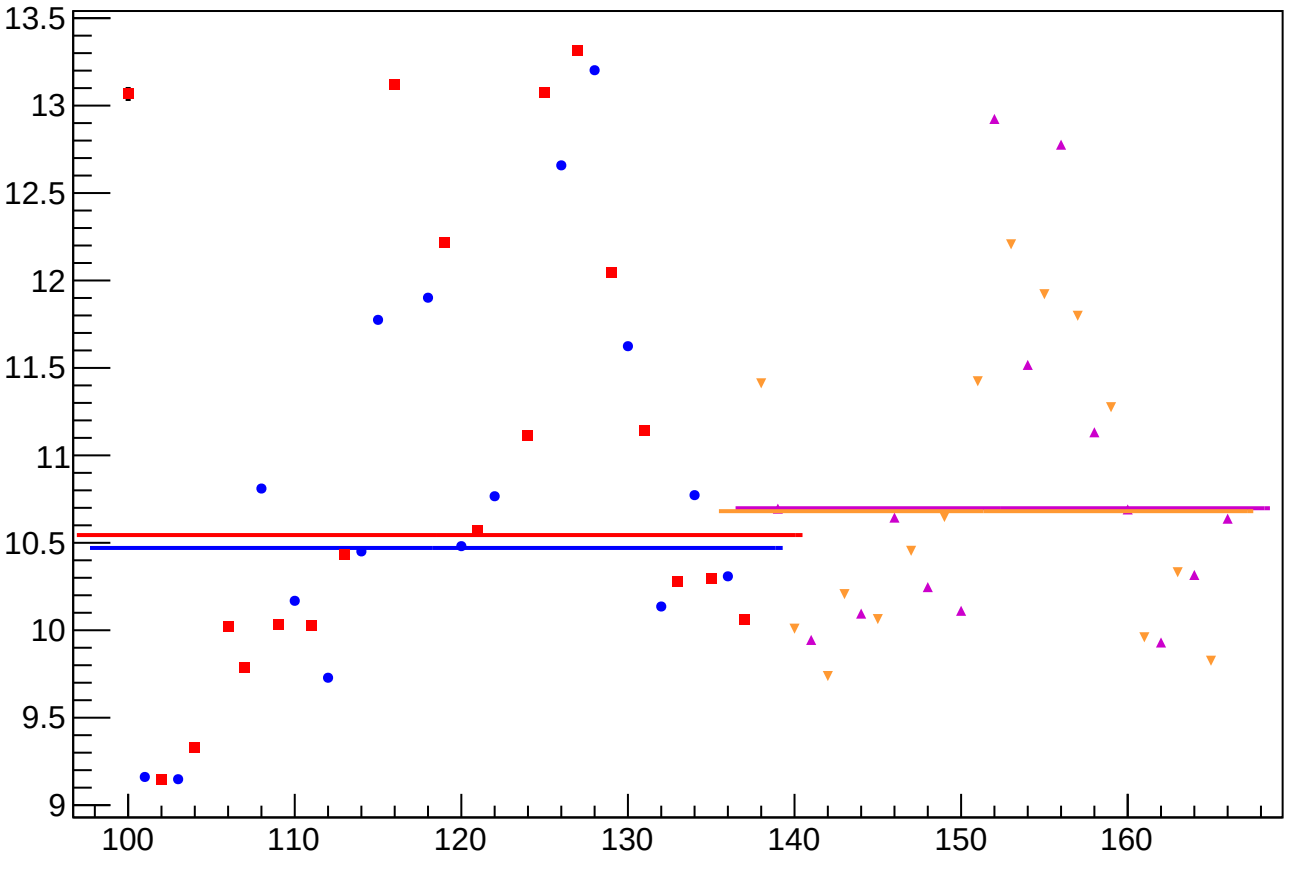
Left: -0.621+/-2.239 χ^2/NDF: 40.5/28

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.421+/-2.478 χ^2/NDF:35.4/29

Out: 4.922+/-2.449 χ^2/NDF:41.7/33

All: 0.305+/-1.742 χ^2/NDF: 84.4/63



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.681+/-0.002 χ^2/NDF:120492.5/14

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.698+/-0.002 χ^2/NDF:140451.4/13

Left: 10.689+/-0.002 χ^2/NDF: 260971.9/28

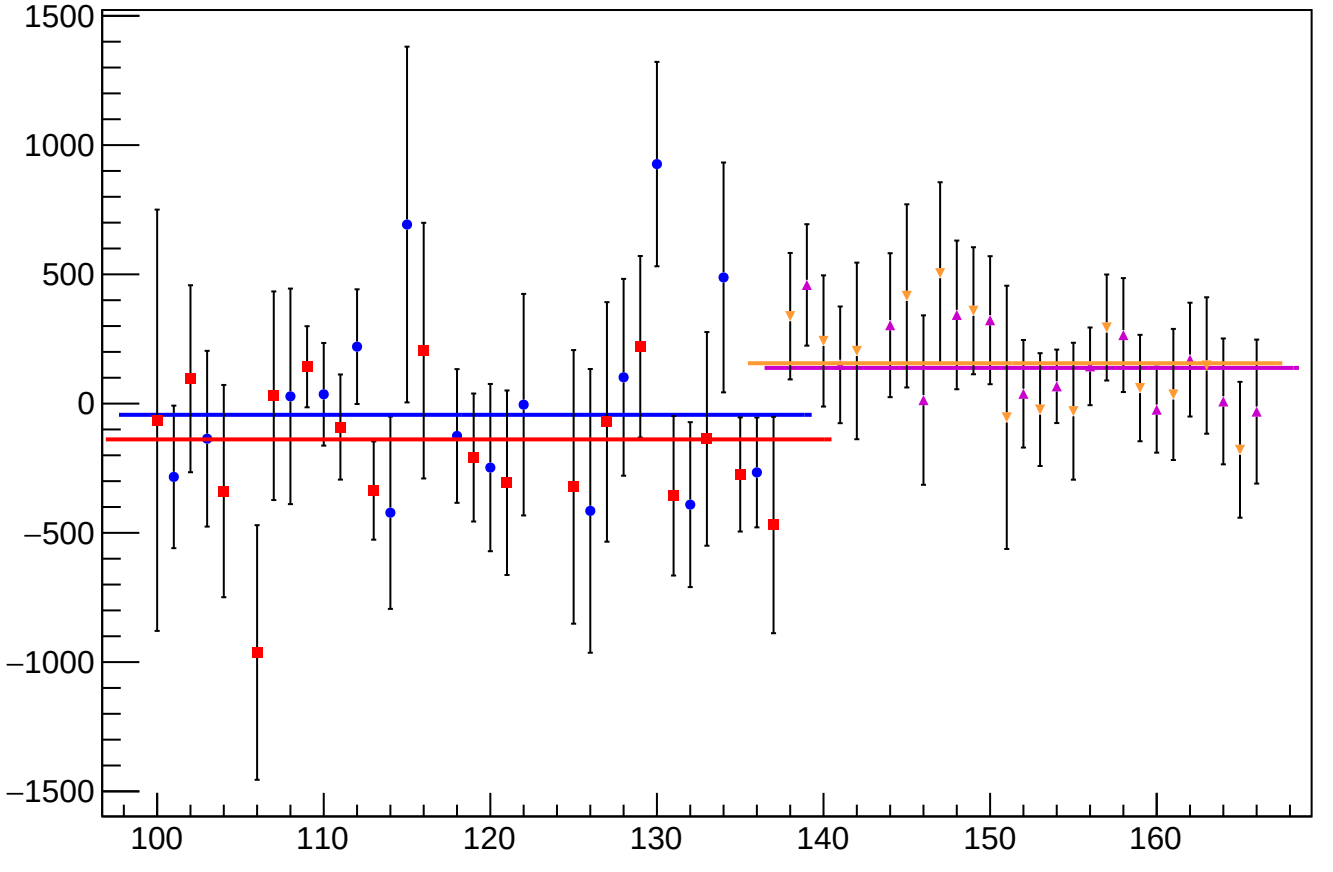
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.608+/-0.002 χ^2/NDF:301835.6/29

Out: 10.627+/-0.002 χ^2/NDF:308758.6/33

All: 10.618+/-0.001 χ^2/NDF: 610655.3/63

asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 156.140+/-69.955 χ^2/NDF:6.8/13

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 138.116+/-56.576 χ^2/NDF:5.9/13

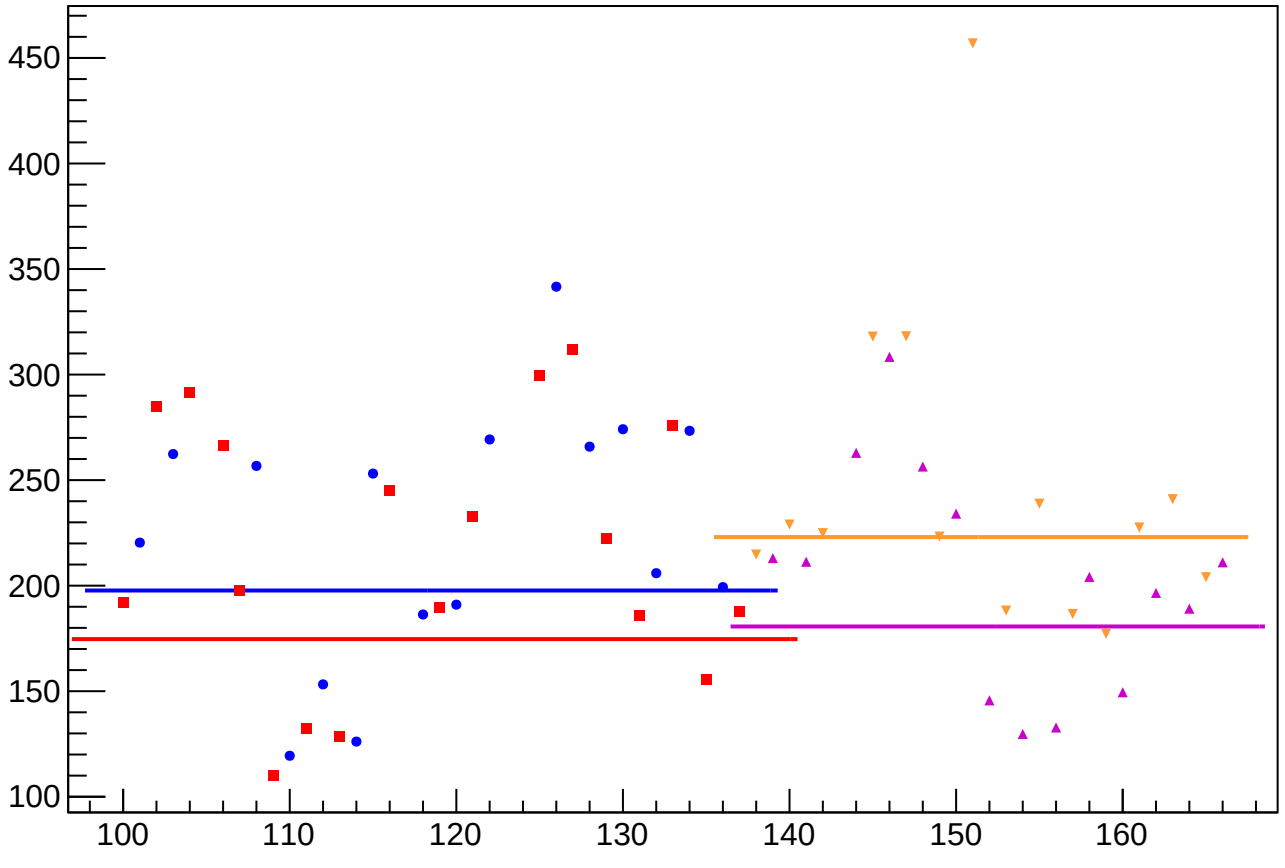
Left: 145.243+/-43.990 χ^2/NDF: 12.7/27

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 75.107+/-45.713 χ^2/NDF:24.9/29

Out: 8.586+/-49.422 χ^2/NDF:27.1/31

All: 44.436+/-33.559 χ^2/NDF: 53.0/61



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.019+/-0.049 χ^2/NDF:955814.3/13

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 180.661+/-0.040 χ^2/NDF:1431192.3/13

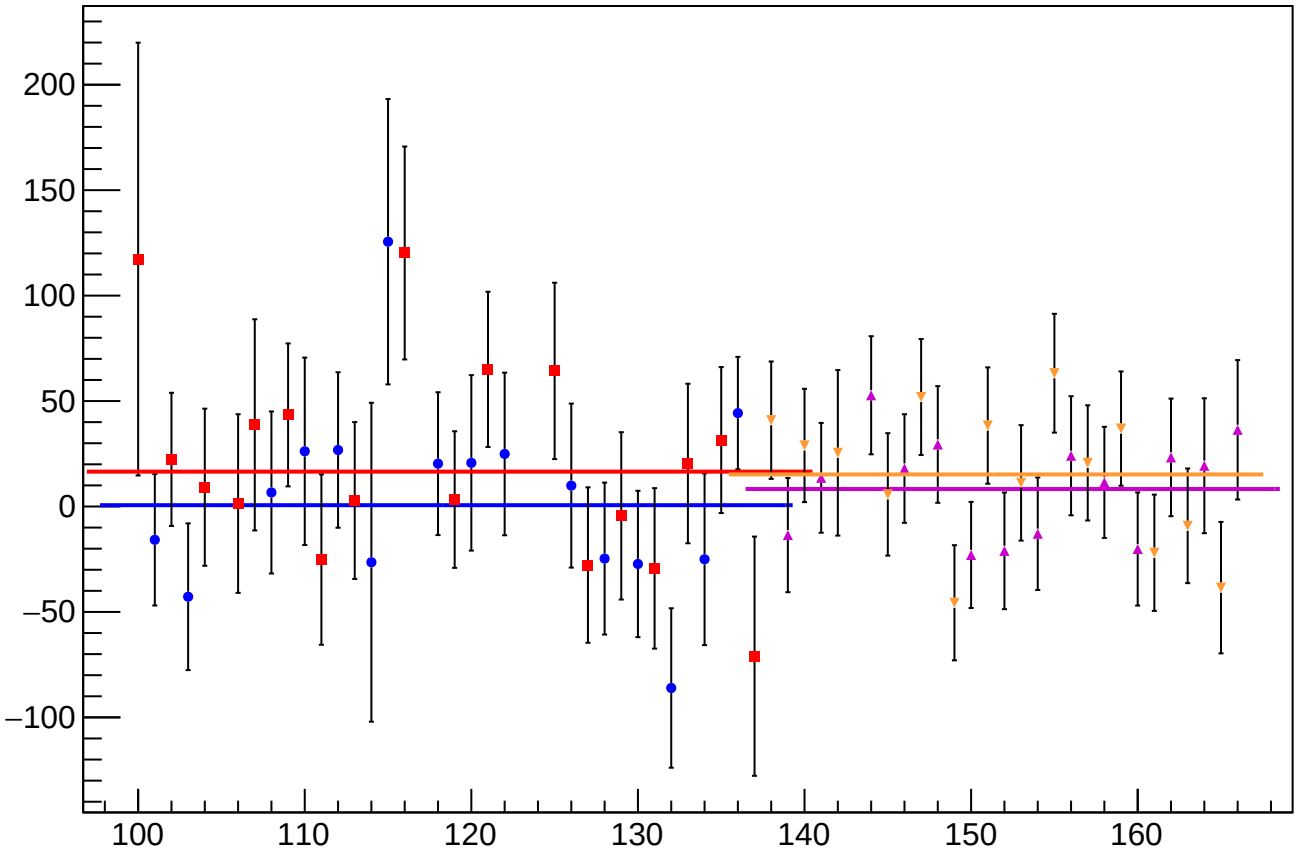
Left: 197.410+/-0.031 χ^2/NDF: 2830322.2/27

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.579+/-0.032 χ^2/NDF:2494550.5/29

Out: 198.807+/-0.035 χ^2/NDF:2968899.9/31

All: 192.217+/-0.024 χ^2/NDF: 5529435.2/61



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 15.206+/-7.562 χ^2/NDF:17.9/13

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 8.293+/-7.356 χ^2/NDF:9.8/13

Left: 11.654+/-5.273 χ^2/NDF: 28.2/27

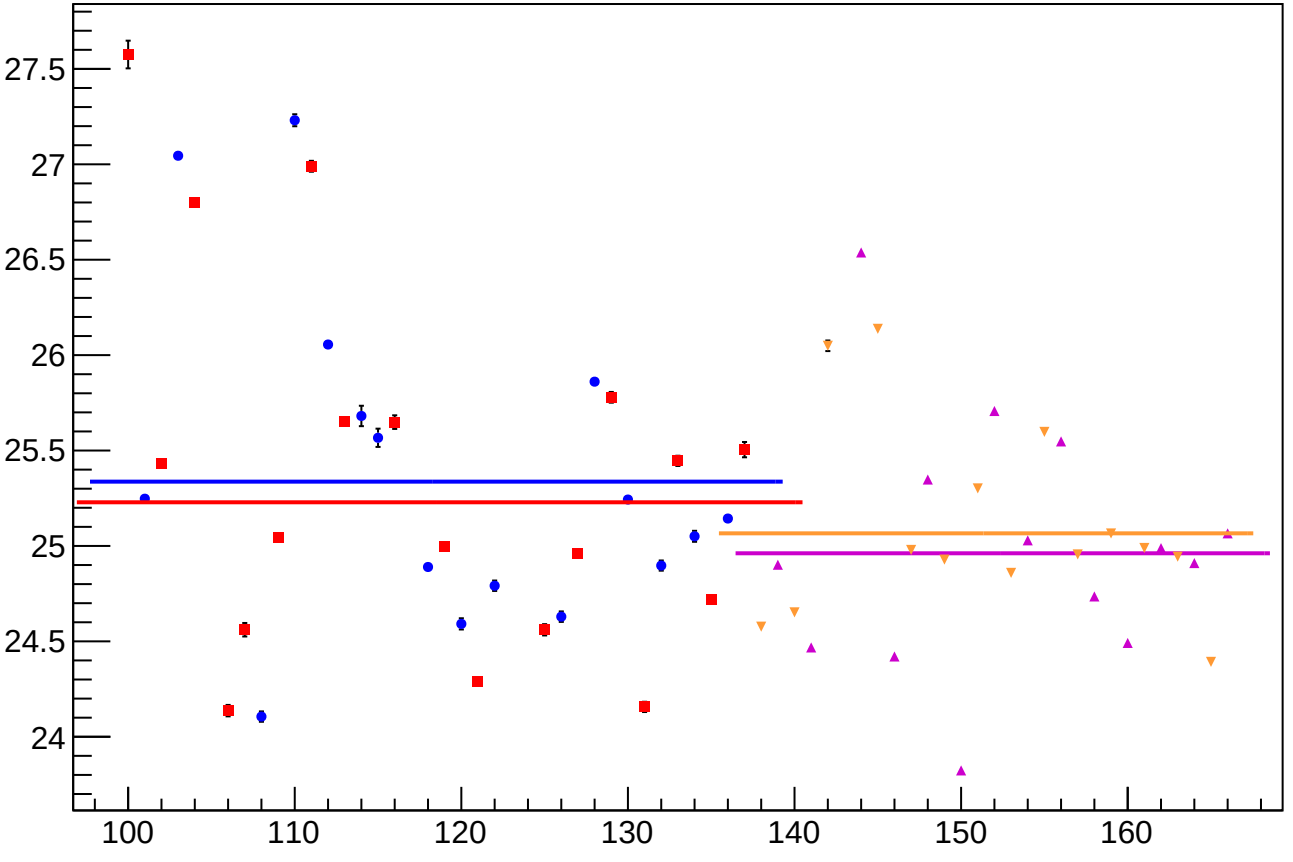
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 5.386+/-5.798 χ^2/NDF:27.0/29

Out: 15.734+/-5.869 χ^2/NDF:34.3/31

All: 10.497+/-4.125 χ^2/NDF: 62.9/61

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.066+/-0.005 χ^2/NDF:7140.3/13

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.962+/-0.005 χ^2/NDF:15543.6/13

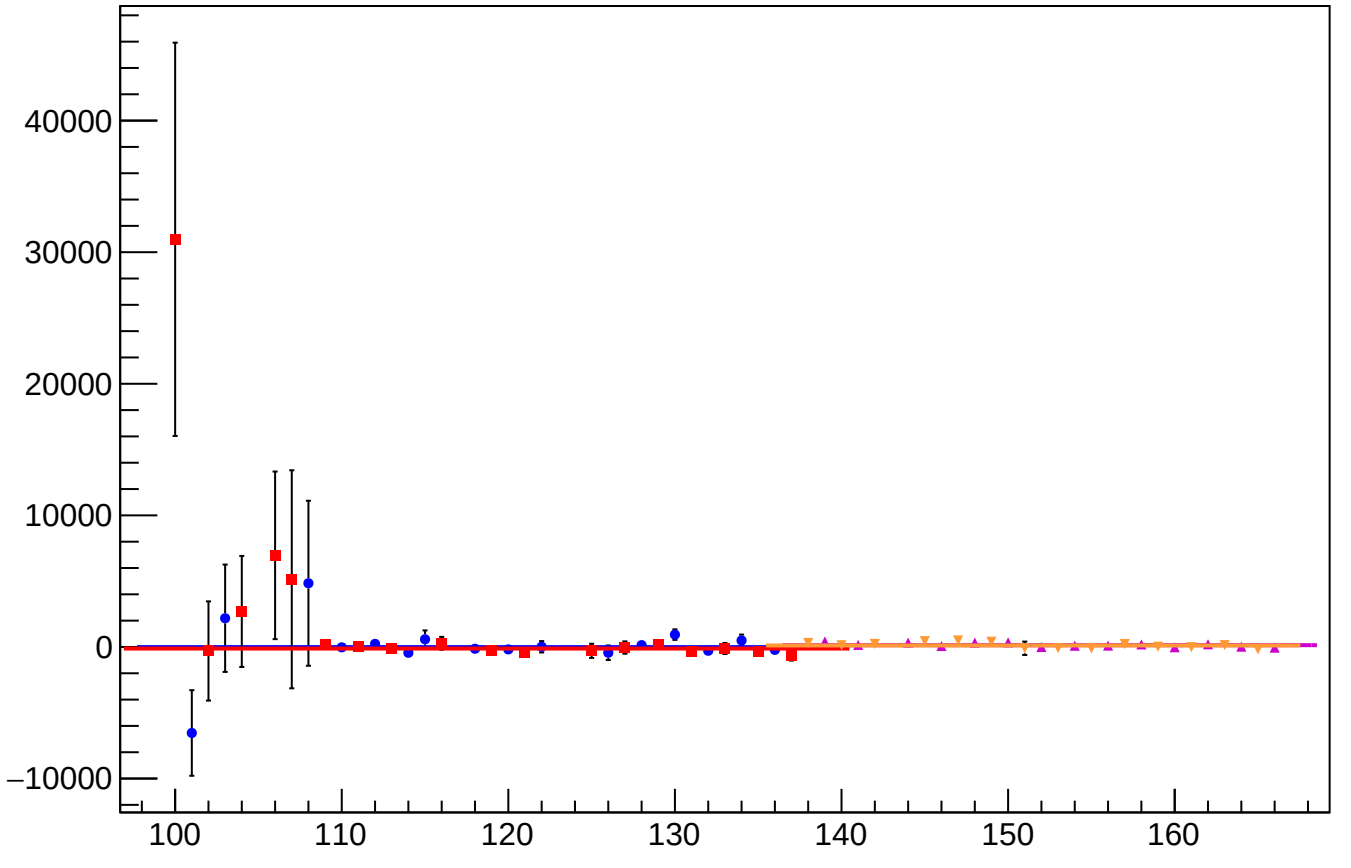
Left: 25.012+/-0.004 χ^2/NDF: 22880.2/27

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.104+/-0.004 χ^2/NDF:31831.9/29

Out: 25.131+/-0.004 χ^2/NDF:22684.6/31

All: 25.117+/-0.003 χ^2/NDF: 54538.0/61



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.234+/-70.555 χ^2/NDF:7.7/13

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 135.413+/-57.317 χ^2/NDF:5.3/13

Left: 126.993+/-44.487 χ^2/NDF: 13.1/27

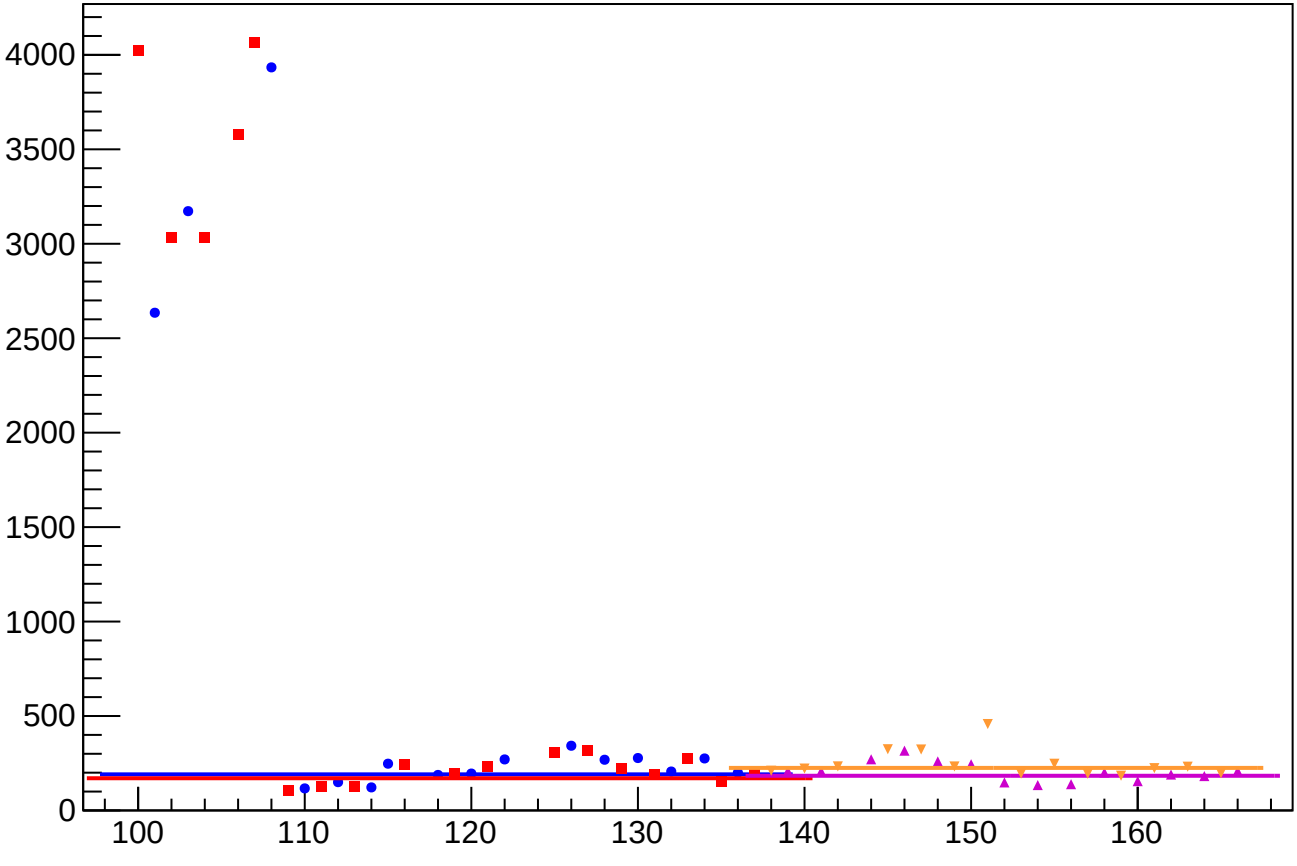
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 88.560+/-47.426 χ^2/NDF:25.8/29

Out: 9.200+/-52.399 χ^2/NDF:27.1/31

All: 52.824+/-35.162 χ^2/NDF: 54.1/61

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 225.261+/-0.050 χ^2/NDF:922863.1/13

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 183.605+/-0.041 χ^2/NDF:1315552.4/13

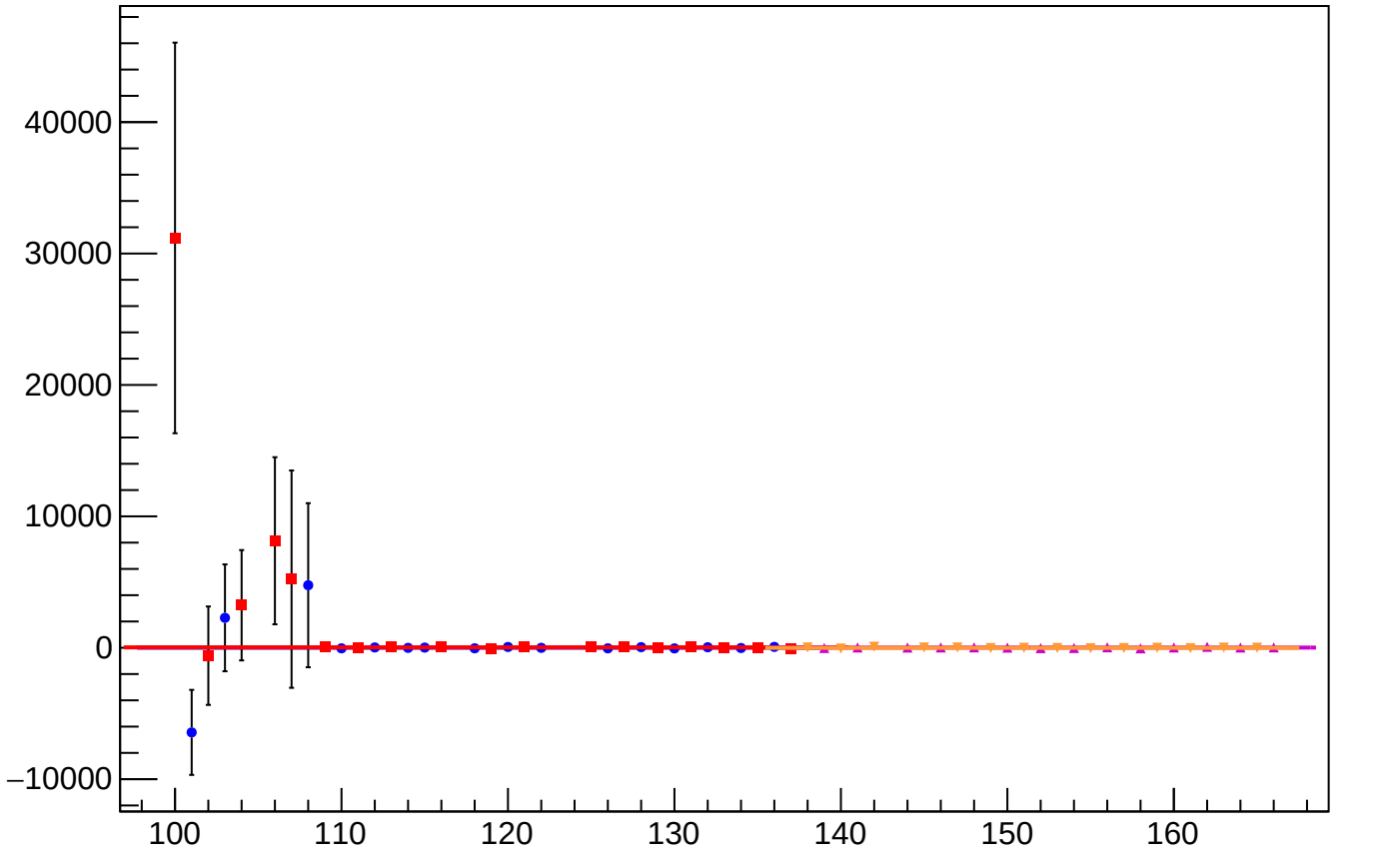
Left: 200.166+/-0.031 χ^2/NDF: 2658403.3/27

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.959+/-0.034 χ^2/NDF:5160202.6/29

Out: 200.701+/-0.037 χ^2/NDF:5718100.5/31

All: 192.597+/-0.025 χ^2/NDF: 10965322.3/61



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.178+/-8.802 χ^2/NDF:10.7/13

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 13.379+/-8.581 χ^2/NDF:12.4/13

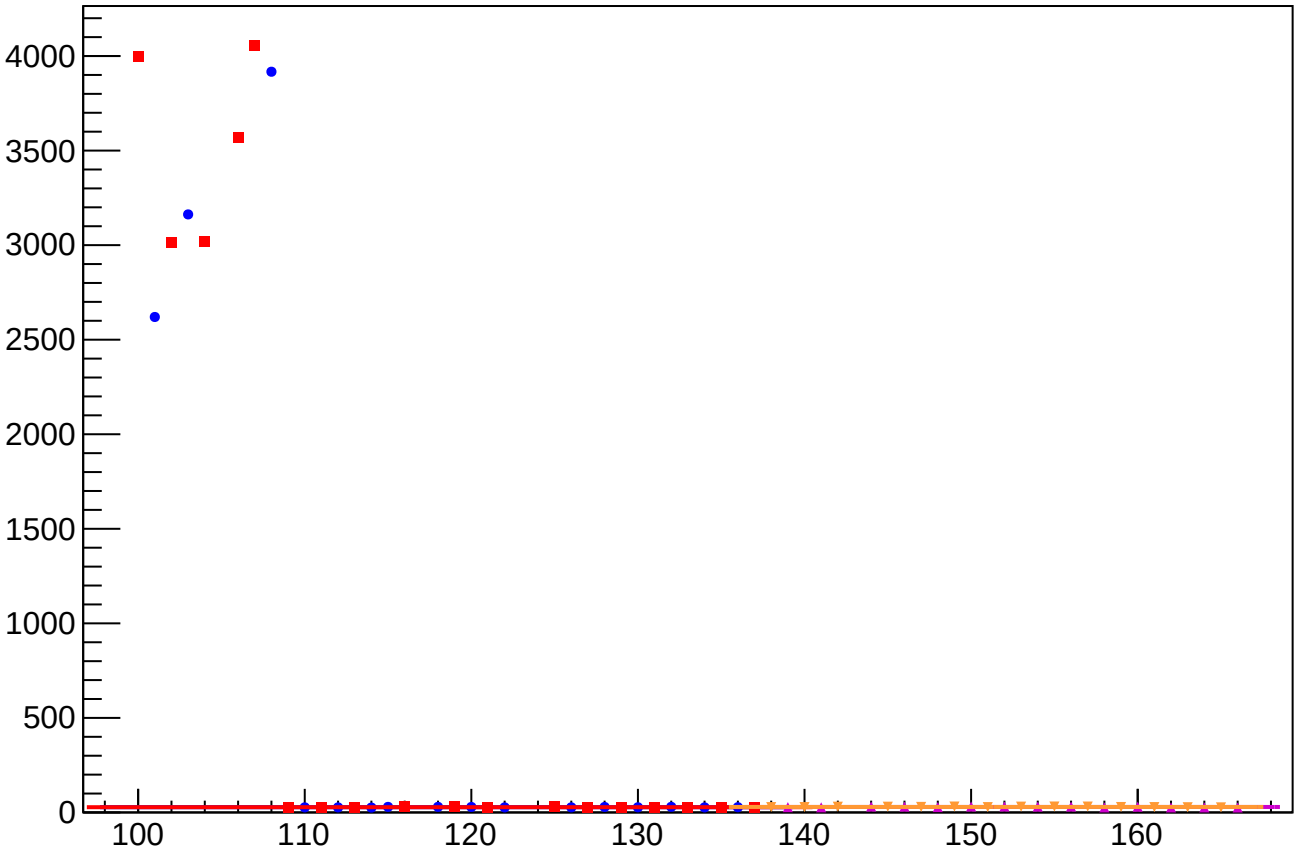
Left: 3.361+/-6.144 χ^2/NDF: 25.9/27

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.986+/-6.933 χ^2/NDF:30.9/29

Out: 5.965+/-7.114 χ^2/NDF:37.0/31

All: 8.541+/-4.965 χ^2/NDF: 68.2/61



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.123+/-0.006 χ^2/NDF:51884.6/13

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.032+/-0.006 χ^2/NDF:107641.5/13

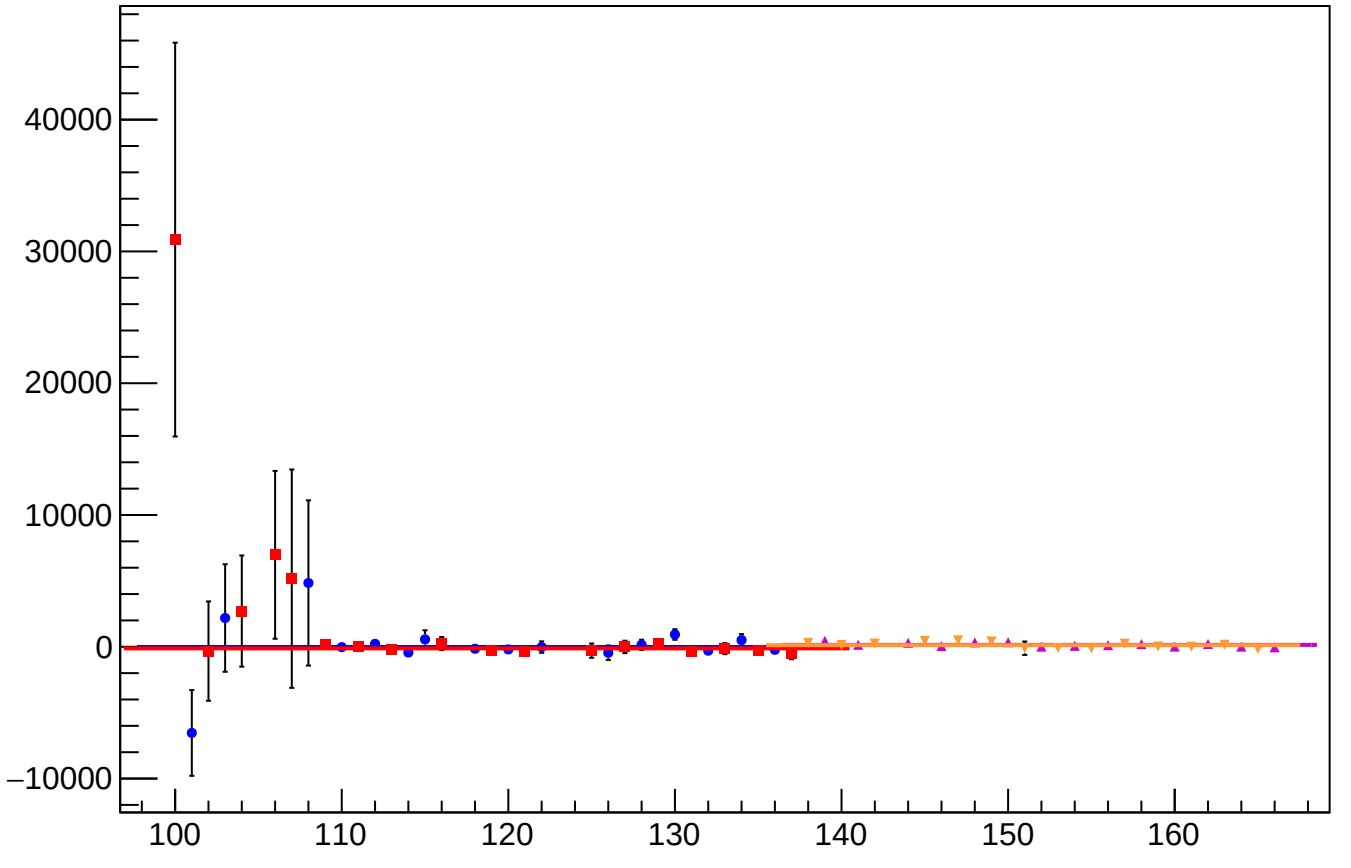
Left: 29.076+/-0.004 χ^2/NDF: 159635.1/27

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.613+/-0.005 χ^2/NDF:3387284.9/29

Out: 28.657+/-0.005 χ^2/NDF:3626462.9/31

All: 28.634+/-0.004 χ^2/NDF: 7013786.8/61



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.002+/-71.091 χ^2/NDF:7.4/13

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 141.633+/-57.862 χ^2/NDF:5.2/13

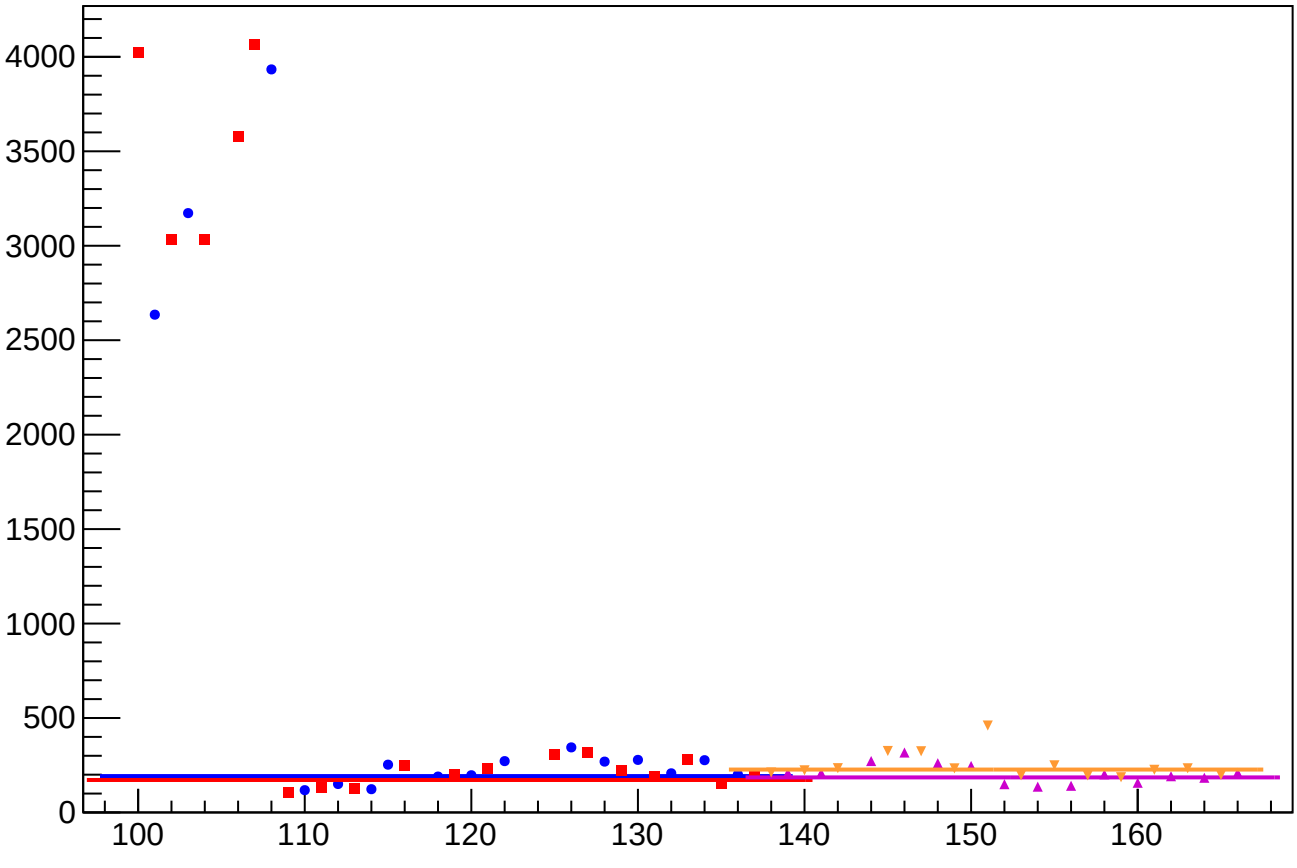
Left: 133.014+/-44.876 χ^2/NDF: 12.7/27

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.654+/-47.843 χ^2/NDF:25.8/29

Out: 11.686+/-52.798 χ^2/NDF:25.9/31

All: 55.048+/-35.453 χ^2/NDF: 52.9/61



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 227.086+/-0.050 χ^2/NDF:908935.1/13

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 185.552+/-0.041 χ^2/NDF:1275555.8/13

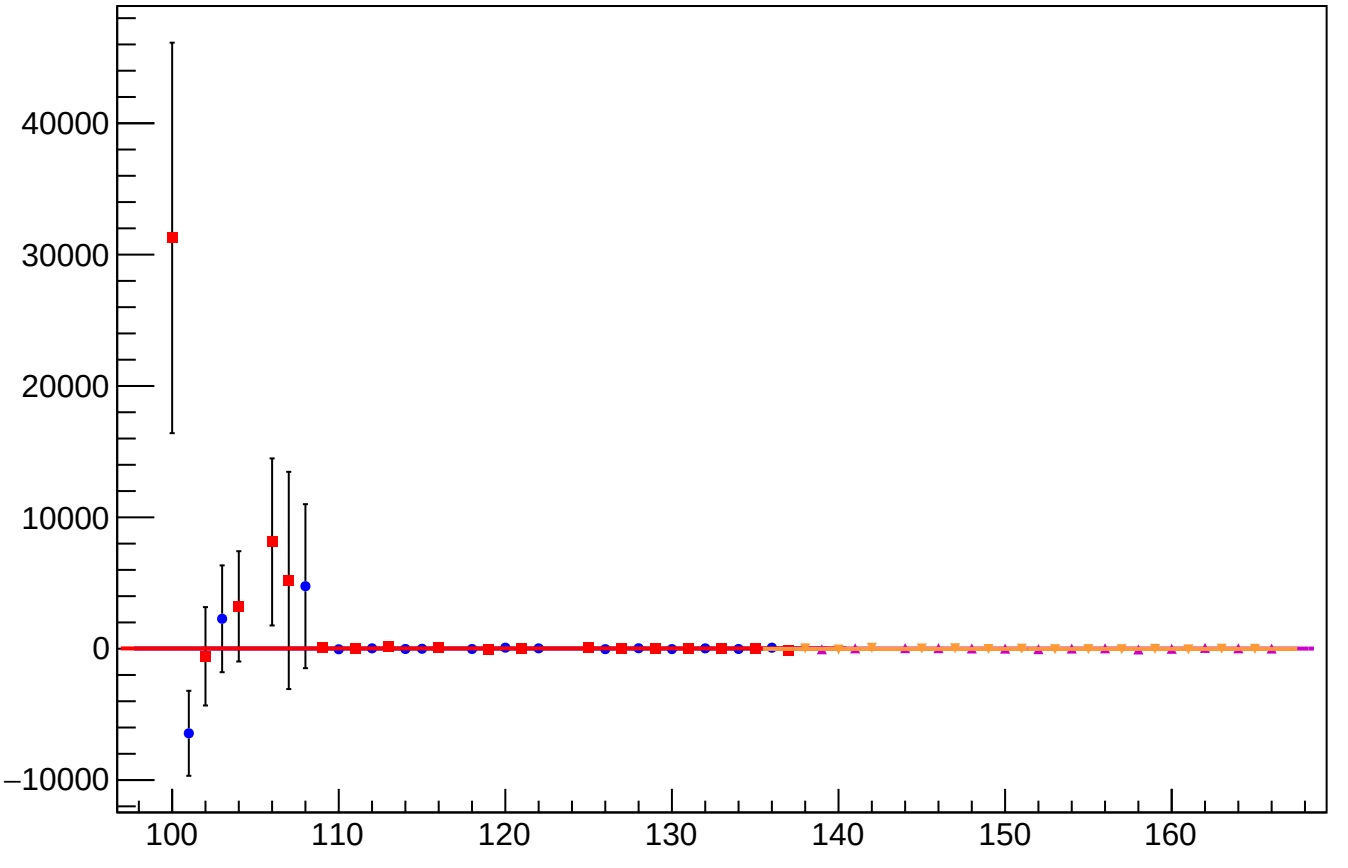
Left: 202.103+/-0.032 χ^2/NDF: 2595127.0/27

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.769+/-0.034 χ^2/NDF:5107625.2/29

Out: 202.339+/-0.037 χ^2/NDF:5697212.8/31

All: 194.338+/-0.025 χ^2/NDF: 10888466.1/61



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.931+/-9.410 χ^2/NDF:11.4/13

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 10.647+/-9.227 χ^2/NDF:14.0/13

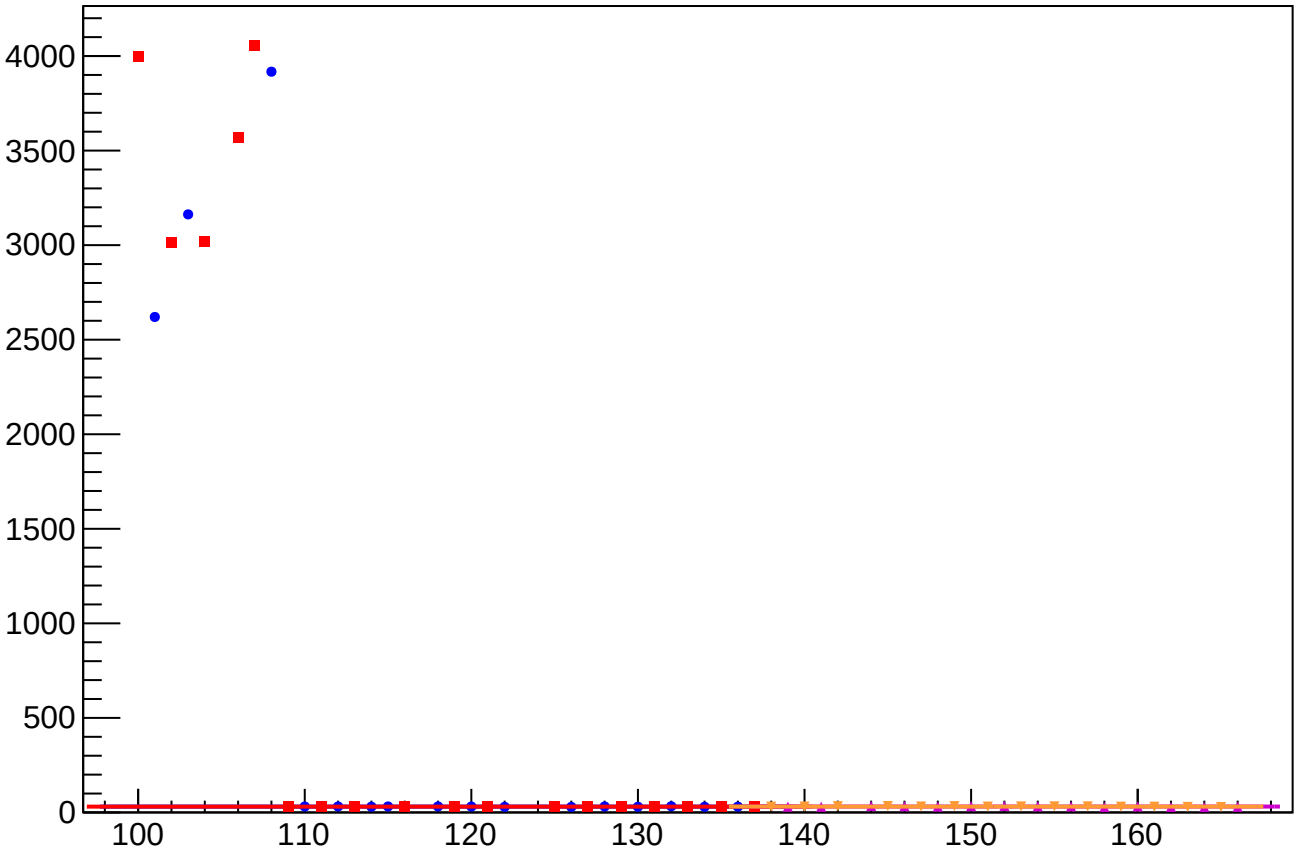
Left: -1.891+/-6.588 χ^2/NDF: 29.2/27

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 11.667+/-7.536 χ^2/NDF:29.5/29

Out: -2.744+/-7.697 χ^2/NDF:44.9/31

All: 4.614+/-5.385 χ^2/NDF: 76.2/61



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.151+/-0.007 χ^2/NDF:40979.7/13

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.239+/-0.007 χ^2/NDF:76642.5/13

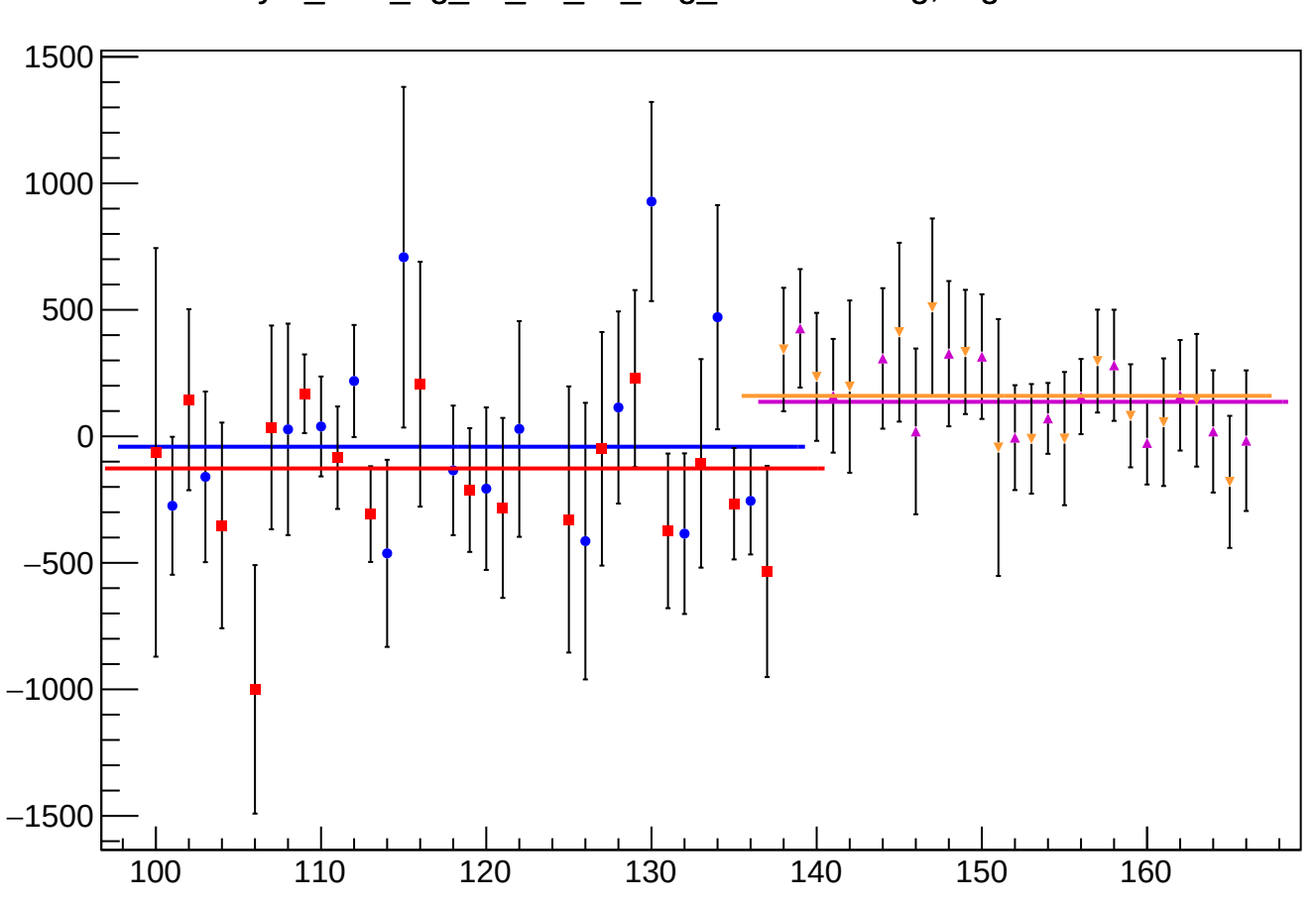
Left: 31.196+/-0.005 χ^2/NDF: 117711.1/27

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.135+/-0.005 χ^2/NDF:3330003.6/29

Out: 31.036+/-0.005 χ^2/NDF:3577838.2/31

All: 31.087+/-0.004 χ^2/NDF: 6908011.8/61



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 159.906+/-69.568 χ^2/NDF:6.3/13

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 136.417+/-56.140 χ^2/NDF:5.7/13

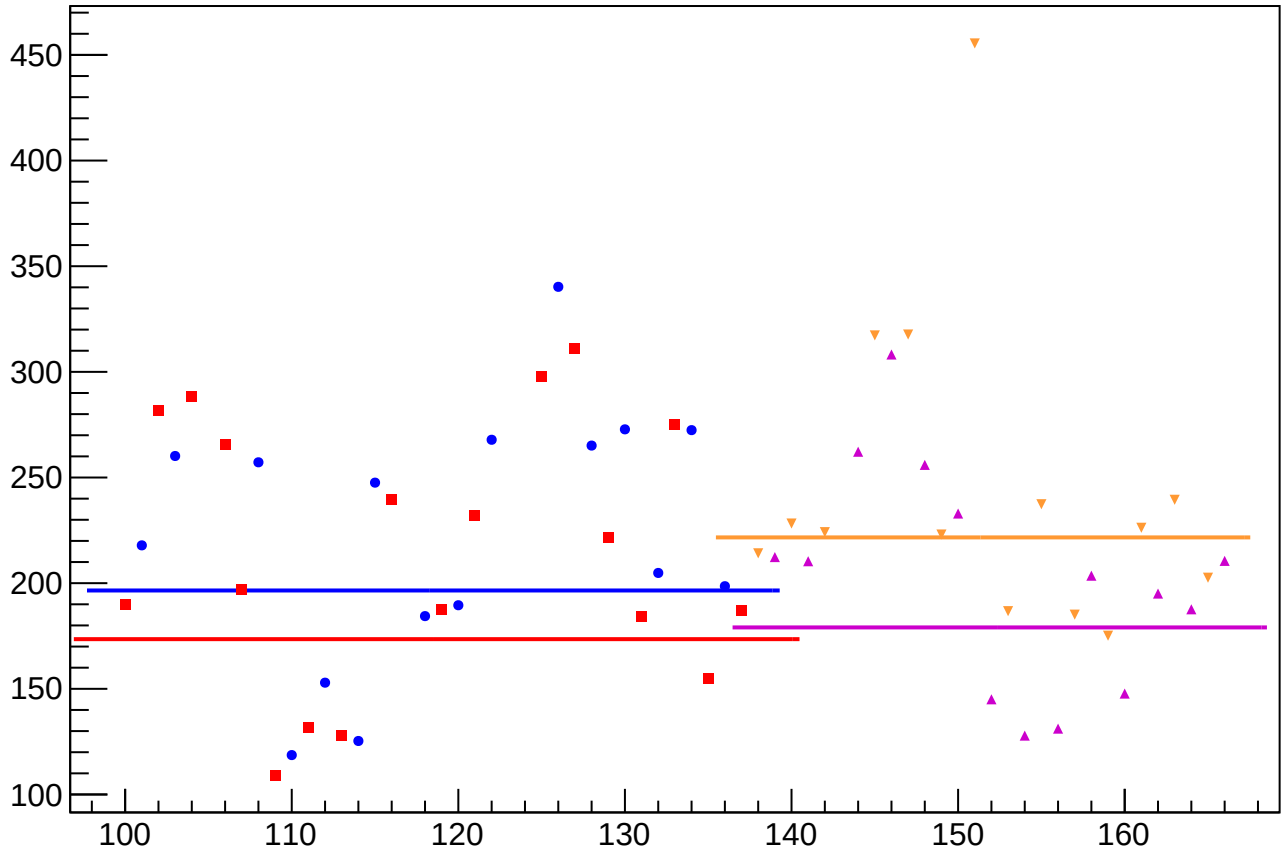
Left: 145.681+/-43.689 χ^2/NDF: 12.1/27

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 74.945+/-45.391 χ^2/NDF:24.8/29

Out: 16.122+/-49.126 χ^2/NDF:27.6/31

All: 47.854+/-33.339 χ^2/NDF: 53.2/61



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.657+/-0.049 χ^2/NDF:971881.0/13

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 179.058+/-0.040 χ^2/NDF:1474198.2/13

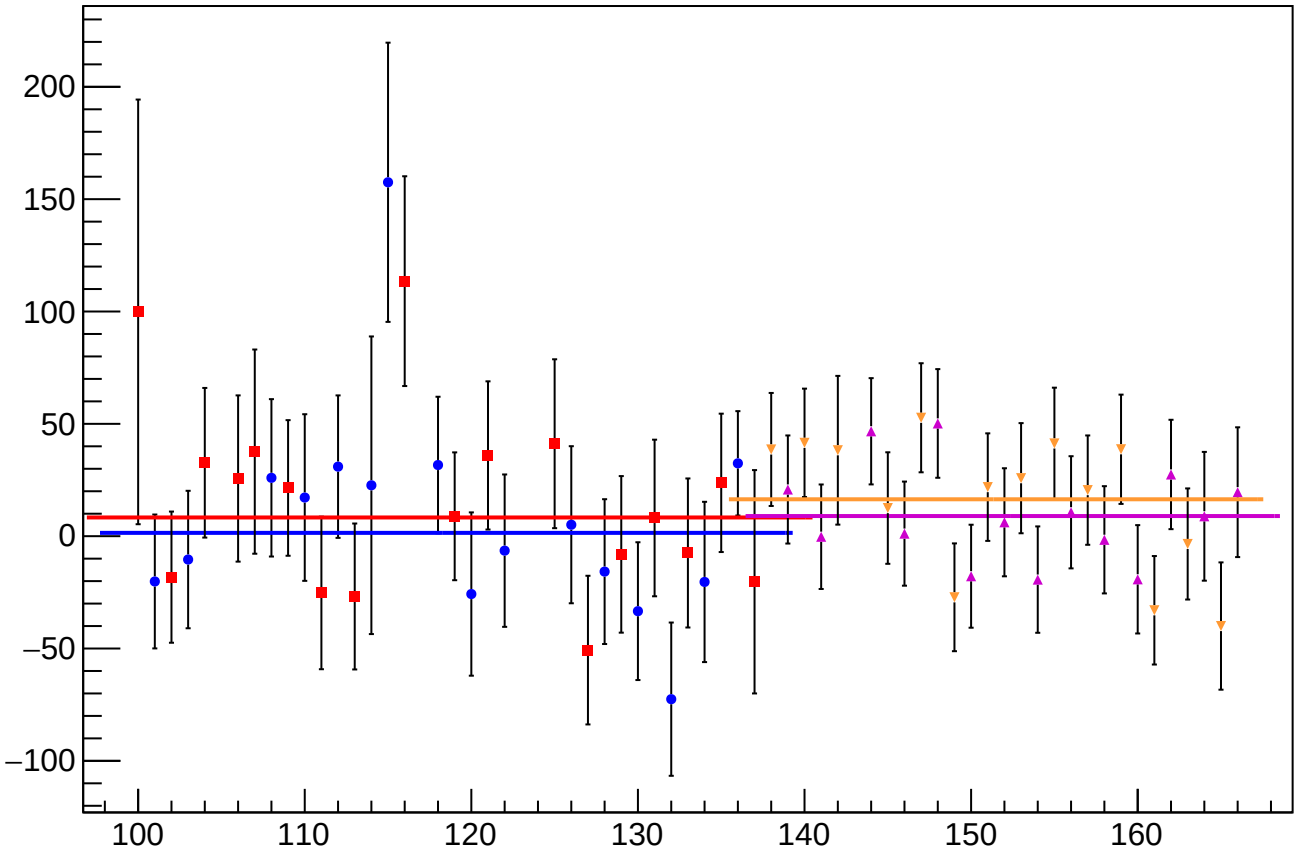
Left: 195.858+/-0.031 χ^2/NDF: 2900245.9/27

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 185.112+/-0.032 χ^2/NDF:2542141.2/29

Out: 197.519+/-0.035 χ^2/NDF:2984881.6/31

All: 190.826+/-0.024 χ^2/NDF: 5595838.6/61



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 16.420+/-6.700 χ^2/NDF:18.7/13

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 8.962+/-6.518 χ^2/NDF:11.0/13

Left: 12.588+/-4.672 χ^2/NDF: 30.4/27

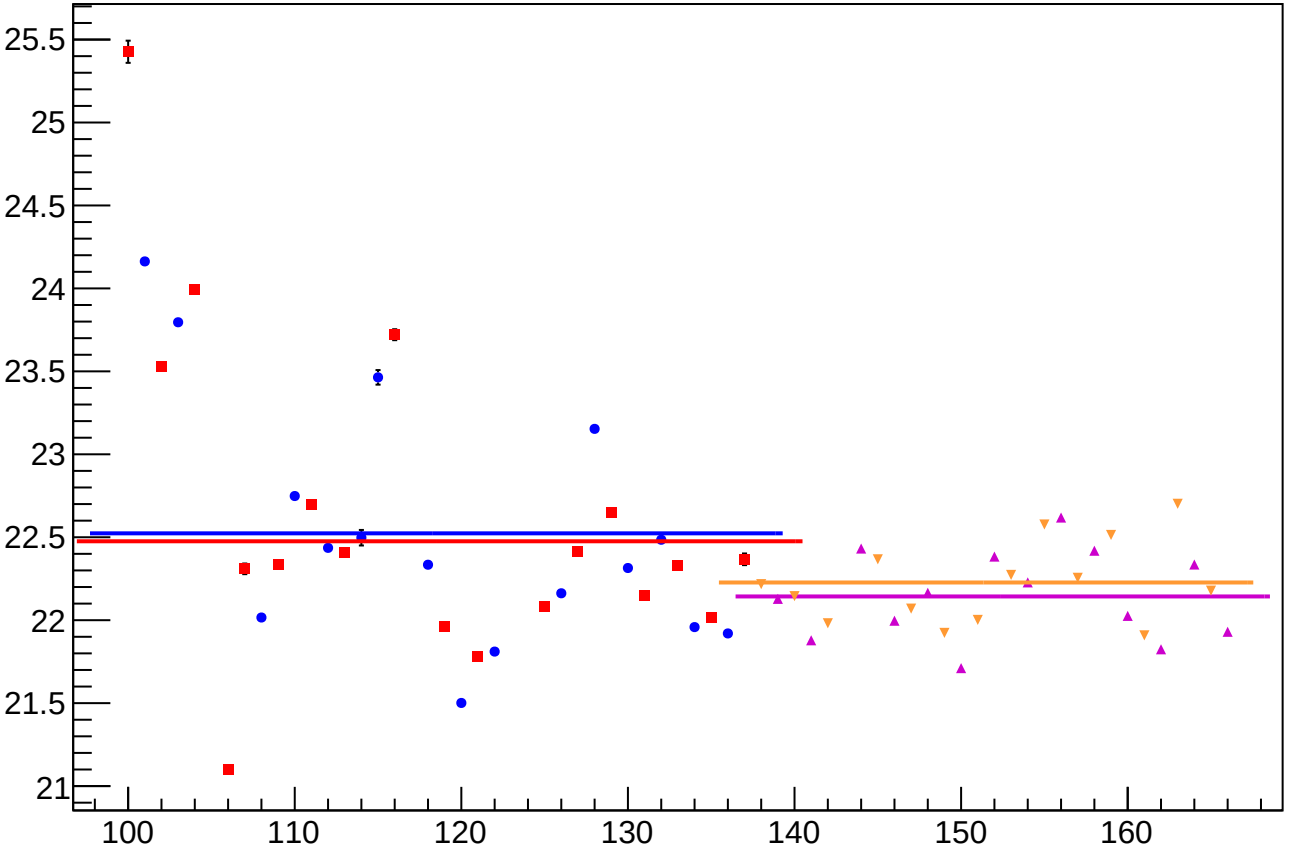
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.136+/-5.143 χ^2/NDF:30.2/29

Out: 13.221+/-5.210 χ^2/NDF:35.3/31

All: 9.633+/-3.660 χ^2/NDF: 66.5/61

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.227+/-0.005 χ^2/NDF:2554.5/13

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.143+/-0.005 χ^2/NDF:3156.0/13

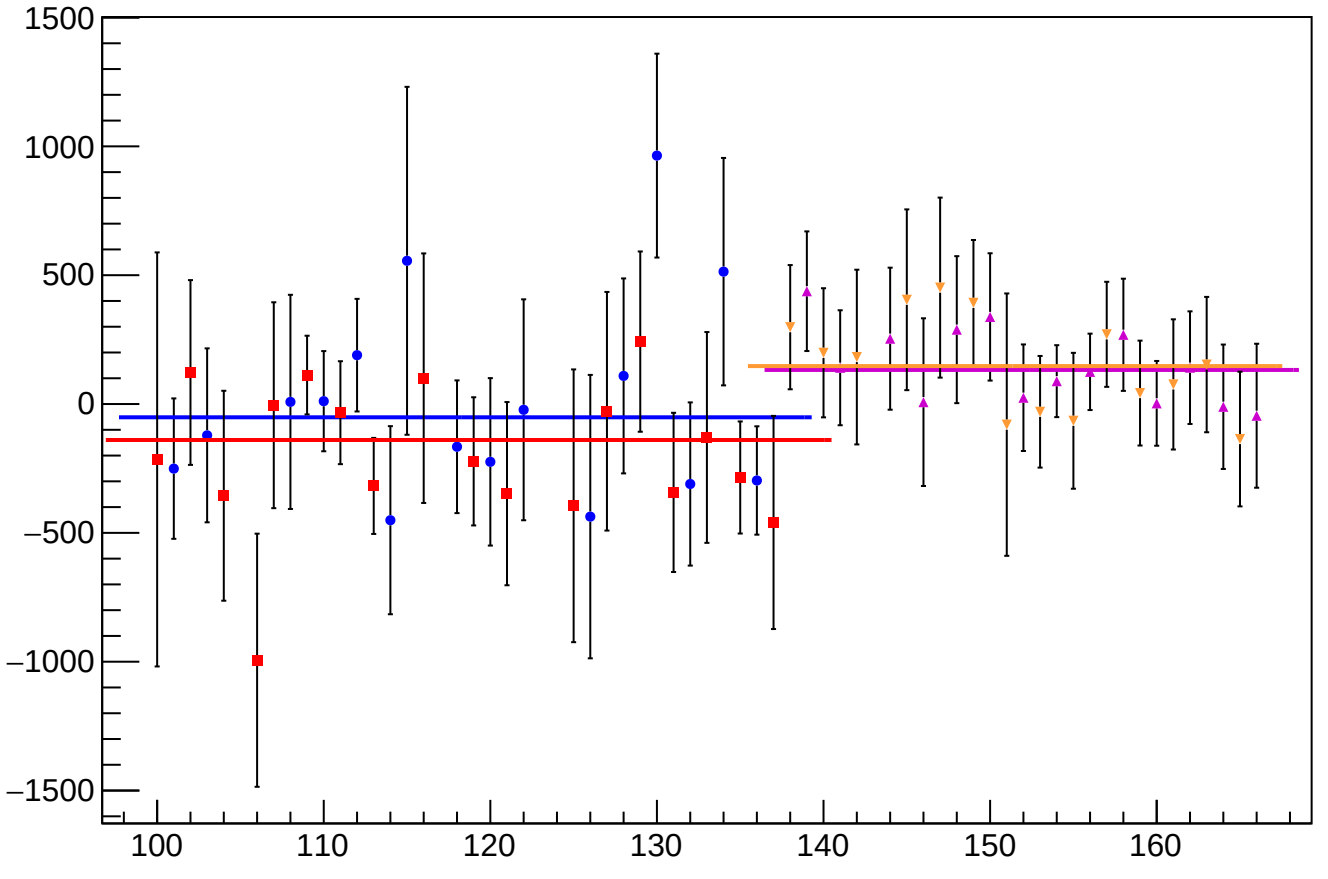
Left: 22.184+/-0.003 χ^2/NDF: 5872.5/27

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.287+/-0.004 χ^2/NDF:21675.5/29

Out: 22.325+/-0.004 χ^2/NDF:19177.8/31

All: 22.306+/-0.003 χ^2/NDF: 40909.3/61



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.219+/-69.413 χ^2/NDF:6.2/13

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 132.311+/-55.979 χ^2/NDF:5.2/13

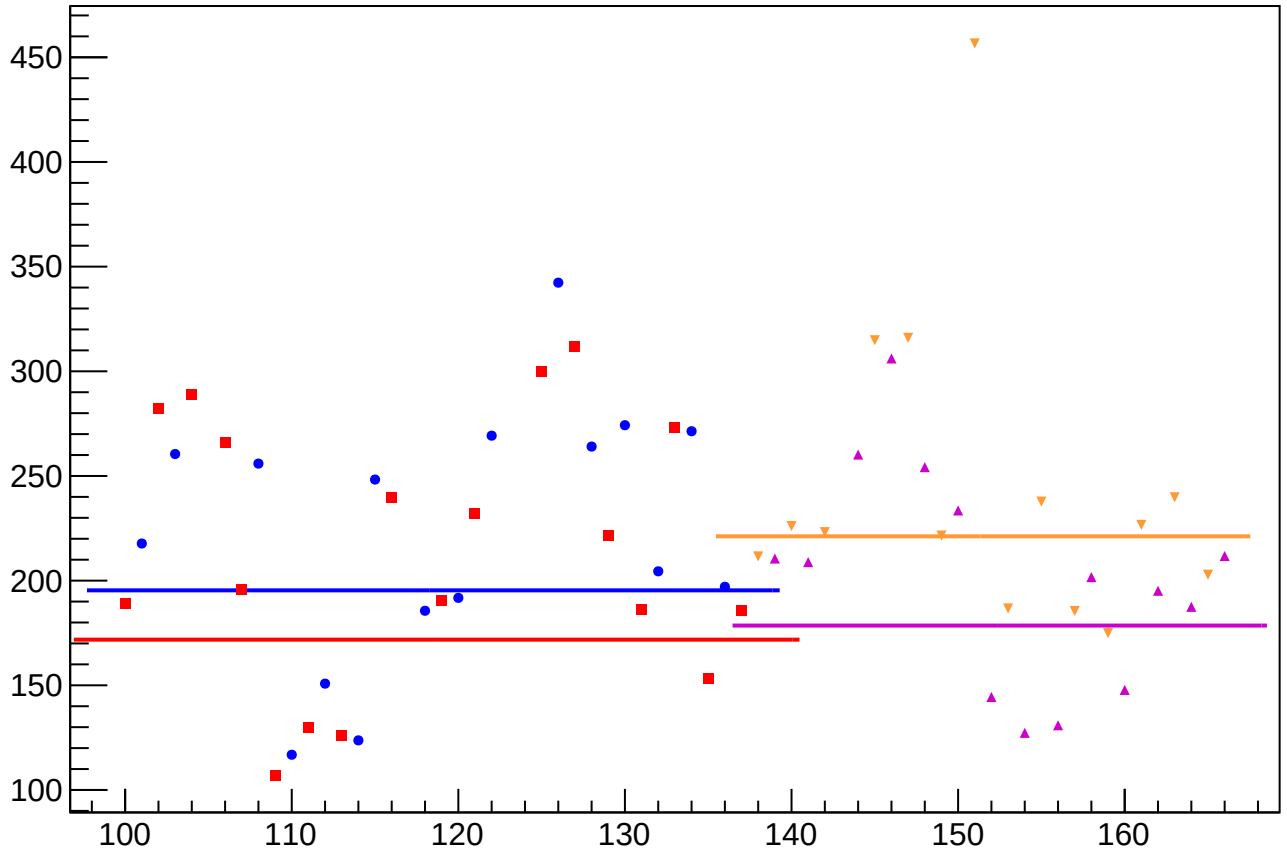
Left: 138.186+/-43.574 χ^2/NDF: 11.4/27

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 68.538+/-45.237 χ^2/NDF:24.3/29

Out: 2.749+/-48.896 χ^2/NDF:26.3/31

All: 38.197+/-33.205 χ^2/NDF: 51.6/61



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.167+/-0.049 χ^2/NDF:965624.9/13

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 178.541+/-0.040 χ^2/NDF:1463630.0/13

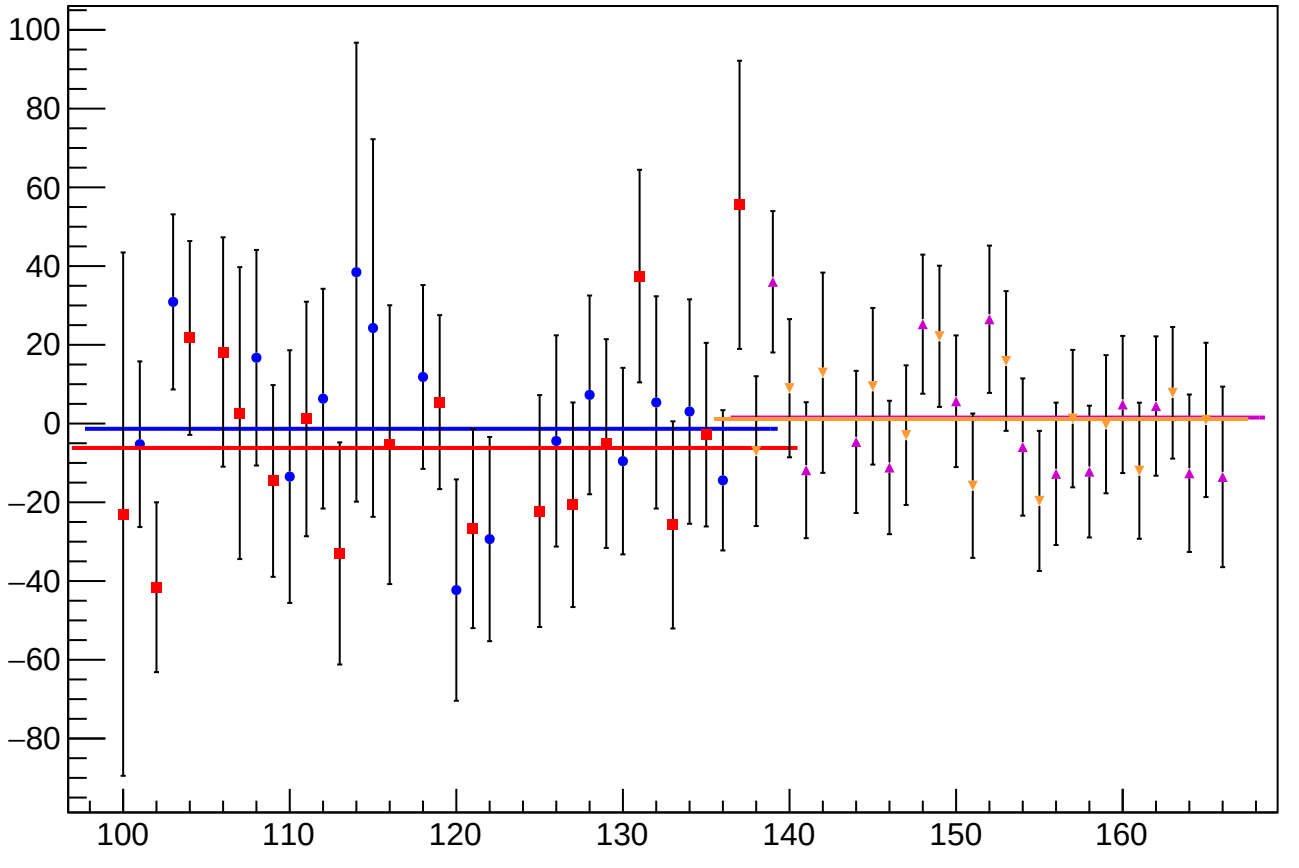
Left: 195.339+/-0.031 χ^2/NDF: 2886258.6/27

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.377+/-0.032 χ^2/NDF:2567713.2/29

Out: 196.299+/-0.035 χ^2/NDF:3075839.5/31

All: 189.875+/-0.023 χ^2/NDF: 5707617.4/61



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.164+/-4.895 χ^2/NDF:5.8/13

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 1.526+/-4.797 χ^2/NDF:11.1/13

Left: 1.348+/-3.426 χ^2/NDF: 16.9/27

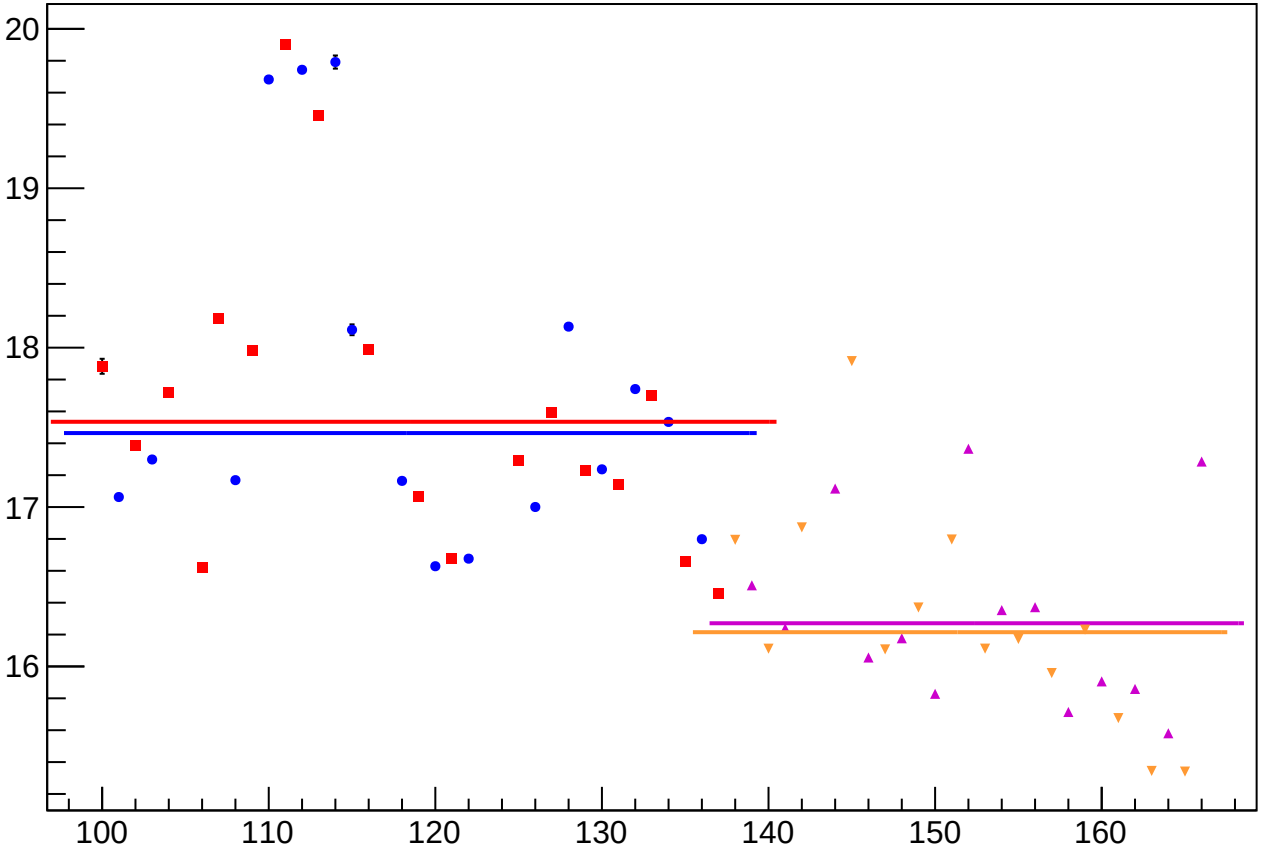
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 0.518+/-3.860 χ^2/NDF:19.2/29

Out: -1.514+/-3.904 χ^2/NDF:20.1/31

All: -0.486+/-2.745 χ^2/NDF: 39.5/61

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.215+/-0.003 χ^2/NDF:31971.4/13

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.271+/-0.003 χ^2/NDF:23945.0/13

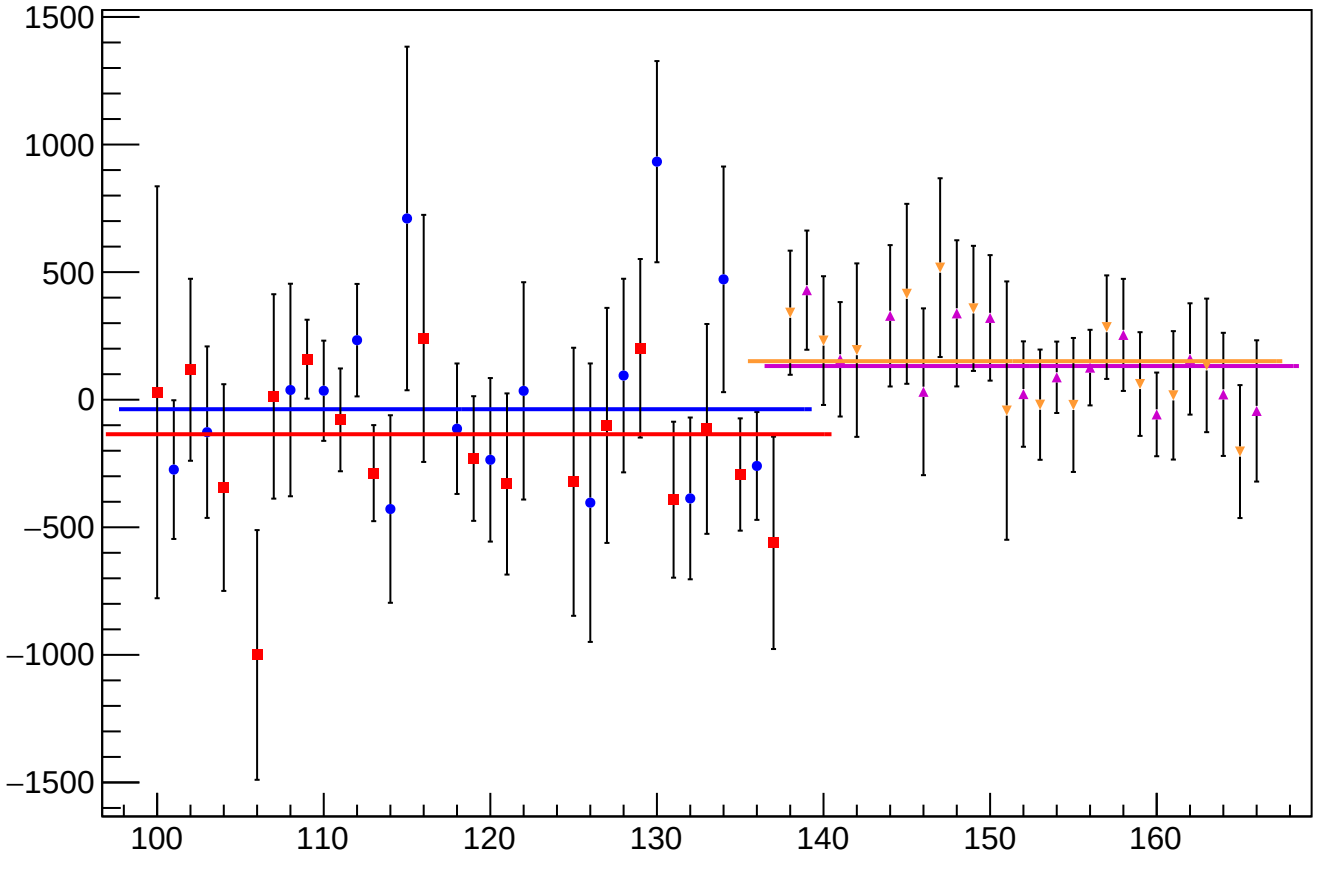
Left: 16.244+/-0.002 χ^2/NDF: 56050.3/27

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.692+/-0.003 χ^2/NDF:104233.8/29

Out: 16.695+/-0.003 χ^2/NDF:119370.3/31

All: 16.694+/-0.002 χ^2/NDF: 223604.8/61



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 151.011+/-69.415 χ^2/NDF:7.1/13

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 131.923+/-56.028 χ^2/NDF:6.0/13

Left: 139.453+/-43.598 χ^2/NDF: 13.1/27

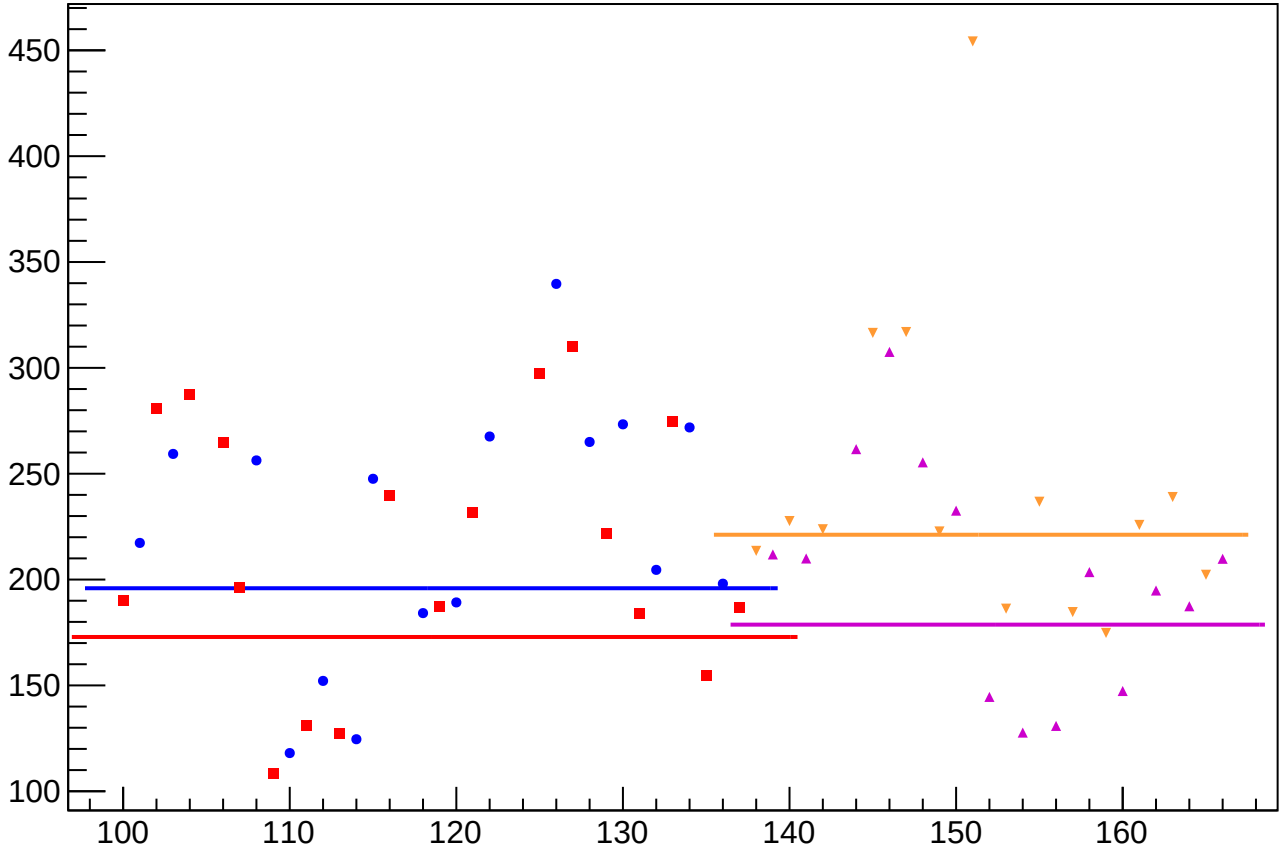
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 73.278+/-45.287 χ^2/NDF:24.8/29

Out: 7.334+/-48.992 χ^2/NDF:28.4/31

All: 42.894+/-33.256 χ^2/NDF: 54.2/61

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.172+/-0.049 χ^2/NDF:971590.1/13

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 178.704+/-0.040 χ^2/NDF:1474270.2/13

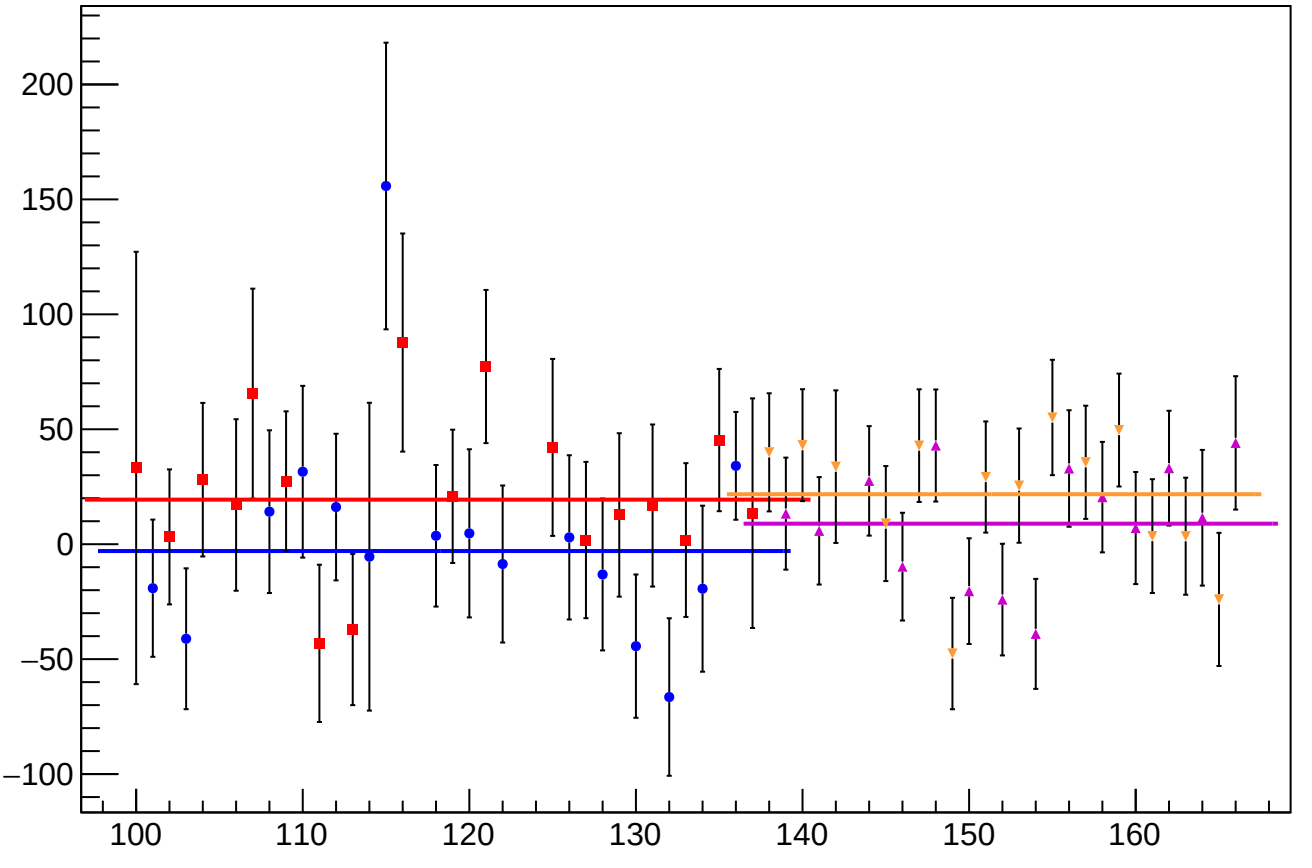
Left: 195.457+/-0.031 χ^2/NDF: 2899152.2/27

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.665+/-0.032 χ^2/NDF:2550590.3/29

Out: 196.933+/-0.035 χ^2/NDF:3000799.4/31

All: 190.318+/-0.024 χ^2/NDF: 5619008.9/61



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.743+/-6.793 χ^2/NDF:17.6/13

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.934+/-6.590 χ^2/NDF:14.3/13

Left: 15.144+/-4.730 χ^2/NDF: 33.7/27

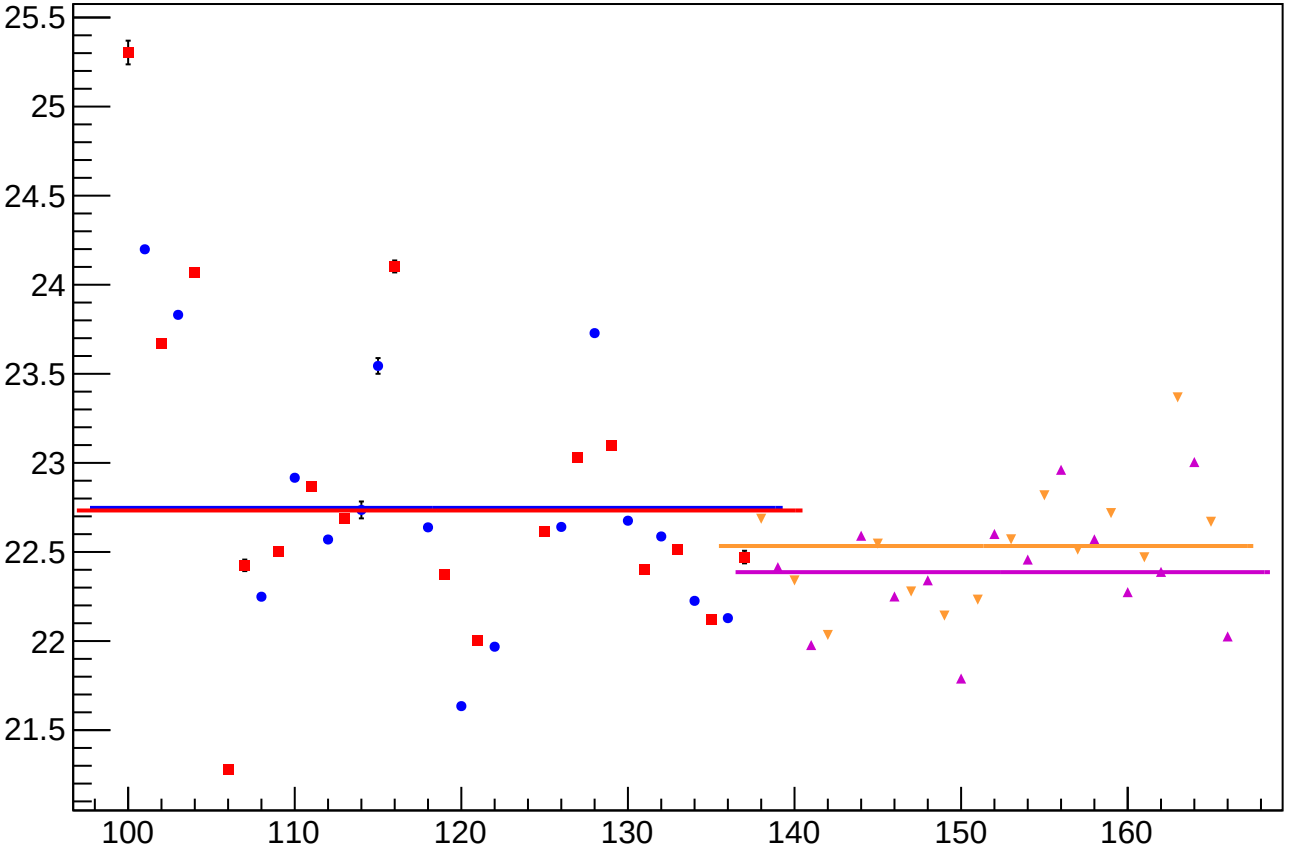
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.435+/-5.198 χ^2/NDF:33.4/29

Out: 20.809+/-5.277 χ^2/NDF:32.2/31

All: 12.497+/-3.703 χ^2/NDF: 70.5/61

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.533+/-0.005 χ^2/NDF:4278.4/13

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.387+/-0.005 χ^2/NDF:4733.0/13

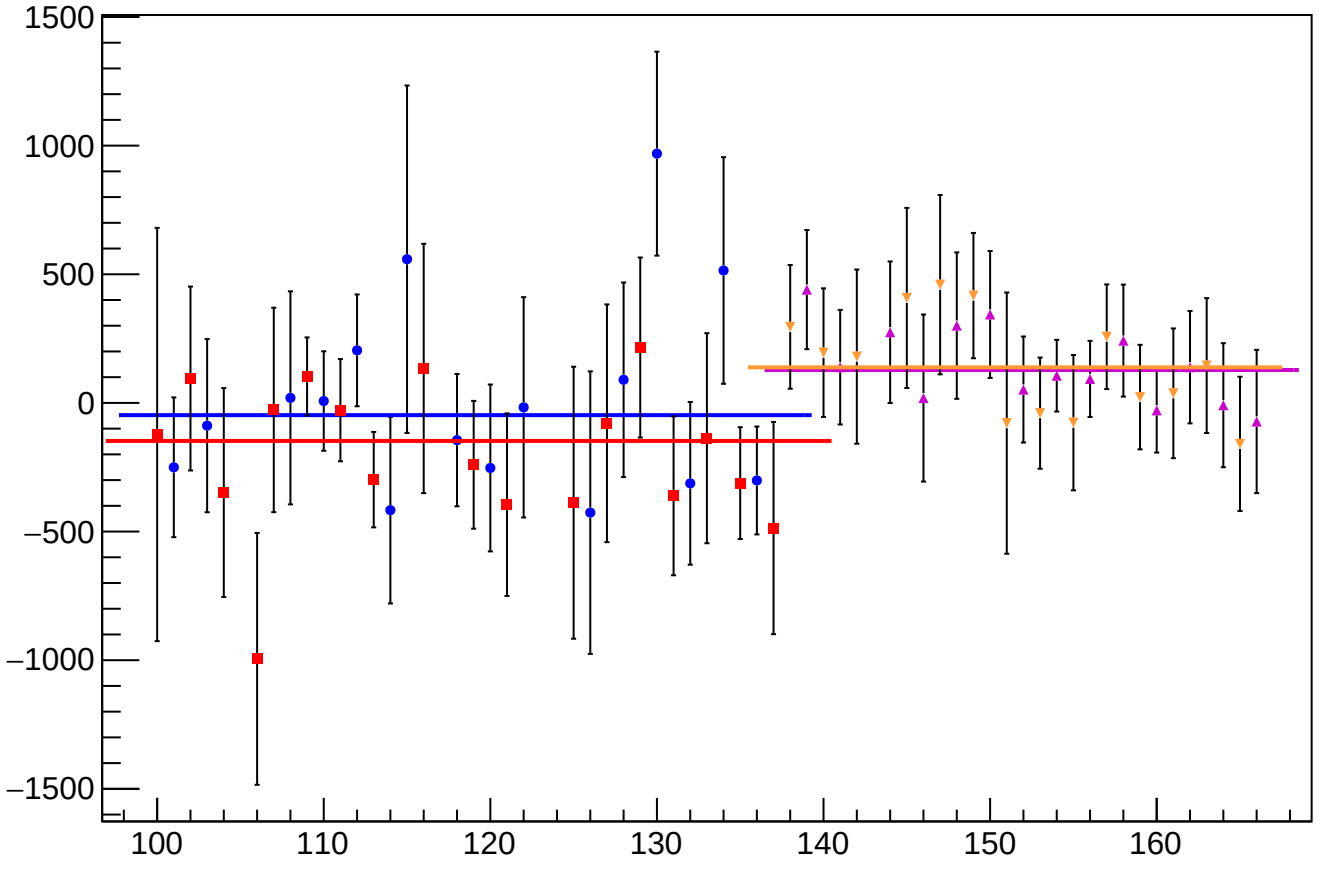
Left: 22.458+/-0.003 χ^2/NDF: 9492.2/27

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.523+/-0.004 χ^2/NDF:21620.7/29

Out: 22.613+/-0.004 χ^2/NDF:19351.5/31

All: 22.567+/-0.003 χ^2/NDF: 41264.0/61



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.254+/-69.260 χ^2/NDF:6.9/13

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 127.929+/-55.868 χ^2/NDF:5.6/13

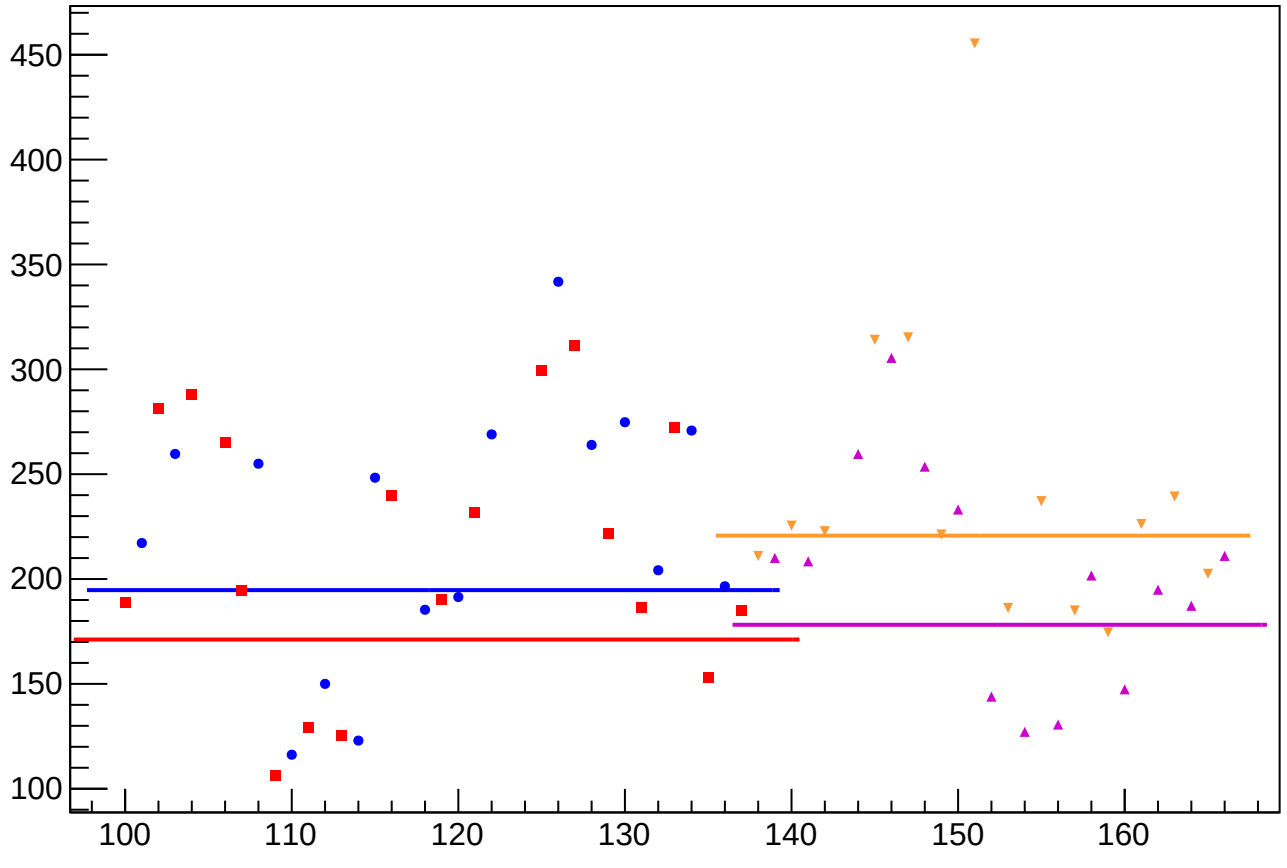
Left: 131.999+/-43.484 χ^2/NDF: 12.5/27

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 66.976+/-45.132 χ^2/NDF:24.4/29

Out: -6.024+/-48.761 χ^2/NDF:27.0/31

All: 33.293+/-33.122 χ^2/NDF: 52.7/61



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.683+/-0.049 χ^2/NDF:965338.8/13

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 178.190+/-0.040 χ^2/NDF:1463579.0/13

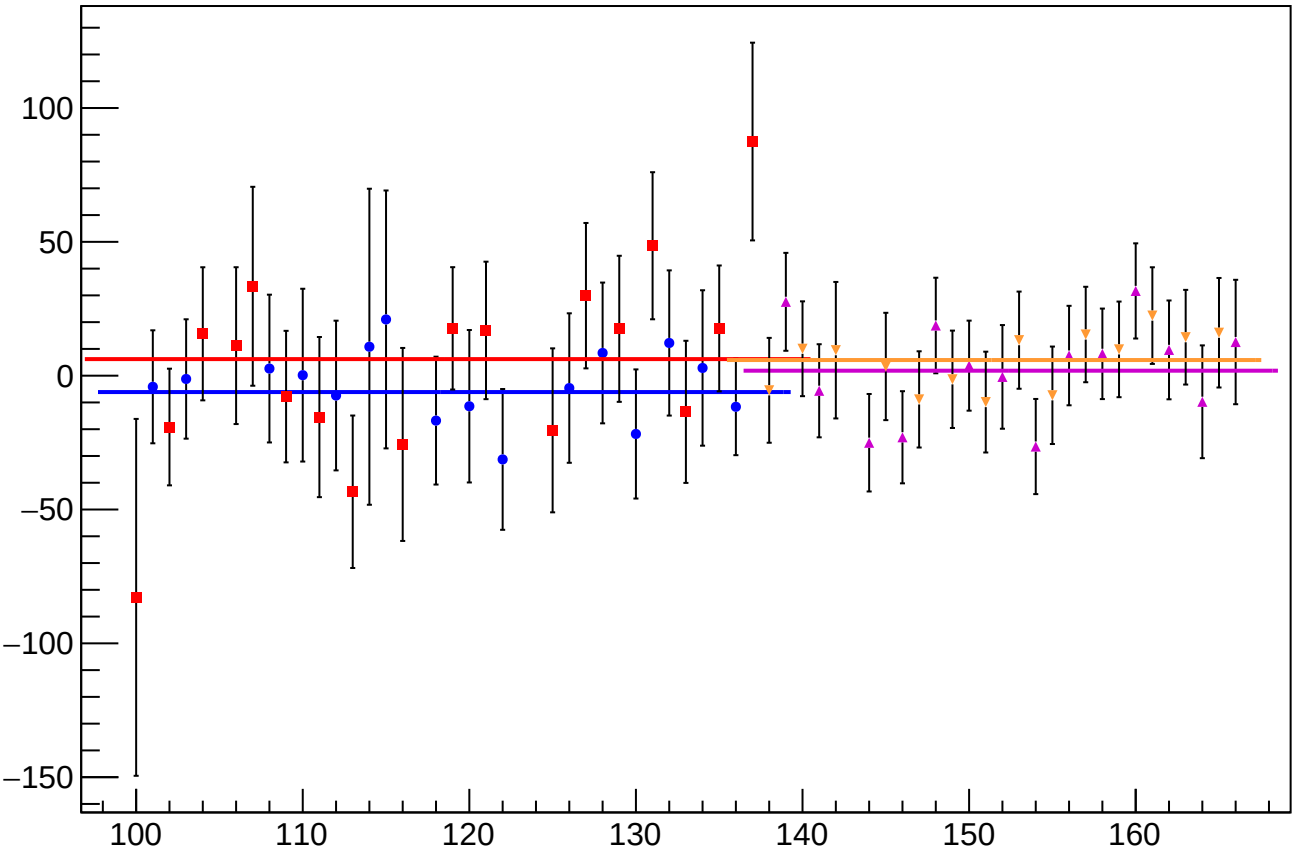
Left: 194.940+/-0.031 χ^2/NDF: 2885016.8/27

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.928+/-0.032 χ^2/NDF:2576608.5/29

Out: 195.704+/-0.034 χ^2/NDF:3093079.7/31

All: 189.362+/-0.023 χ^2/NDF: 5732516.7/61



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.843+/-5.016 χ^2/NDF:4.3/13

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 1.863+/-4.892 χ^2/NDF:13.6/13

Left: 3.803+/-3.502 χ^2/NDF: 18.3/27

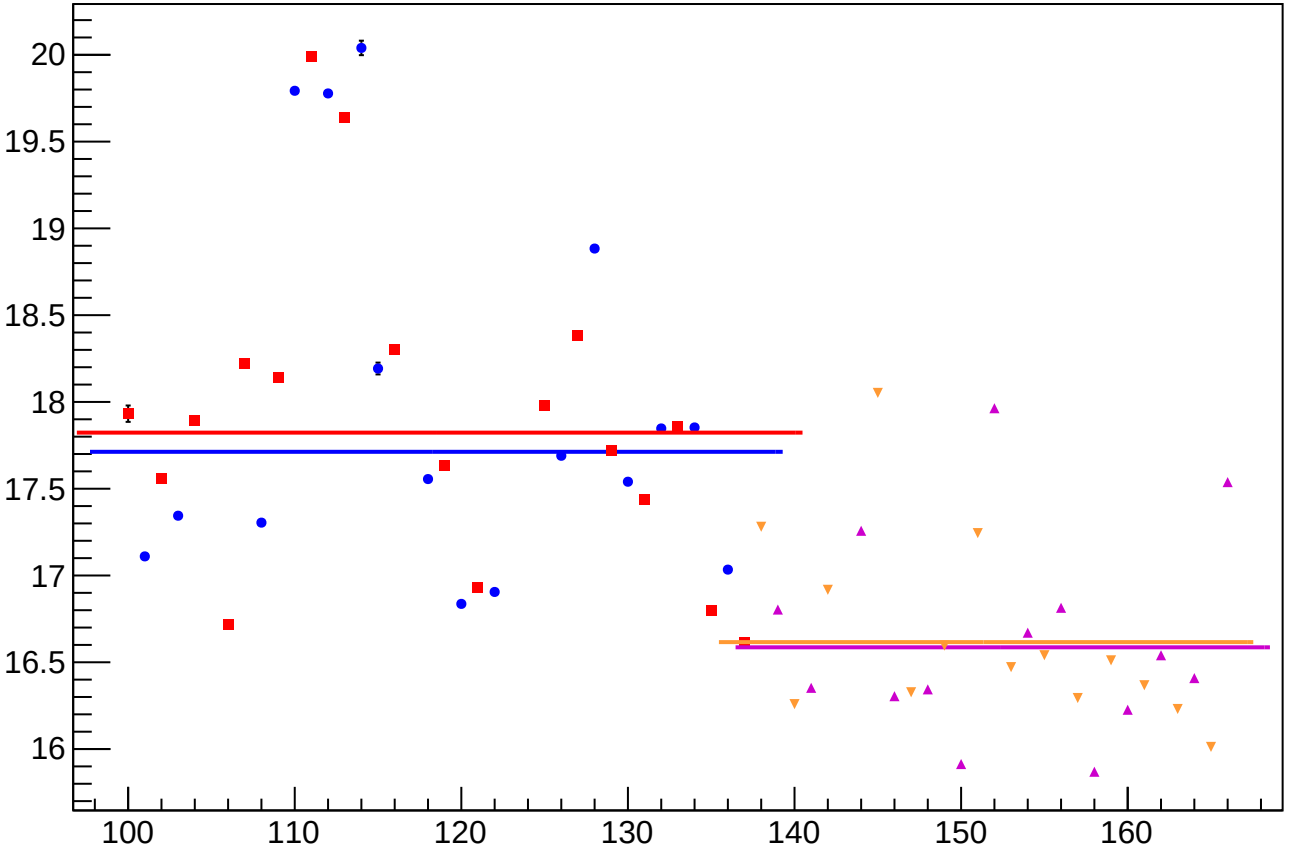
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -0.972+/-3.928 χ^2/NDF:17.7/29

Out: 5.972+/-3.989 χ^2/NDF:22.9/31

All: 2.447+/-2.799 χ^2/NDF: 42.2/61

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.616+/-0.004 χ^2/NDF:20350.7/13

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.586+/-0.003 χ^2/NDF:25851.2/13

Left: 16.601+/-0.002 χ^2/NDF: 46238.5/27

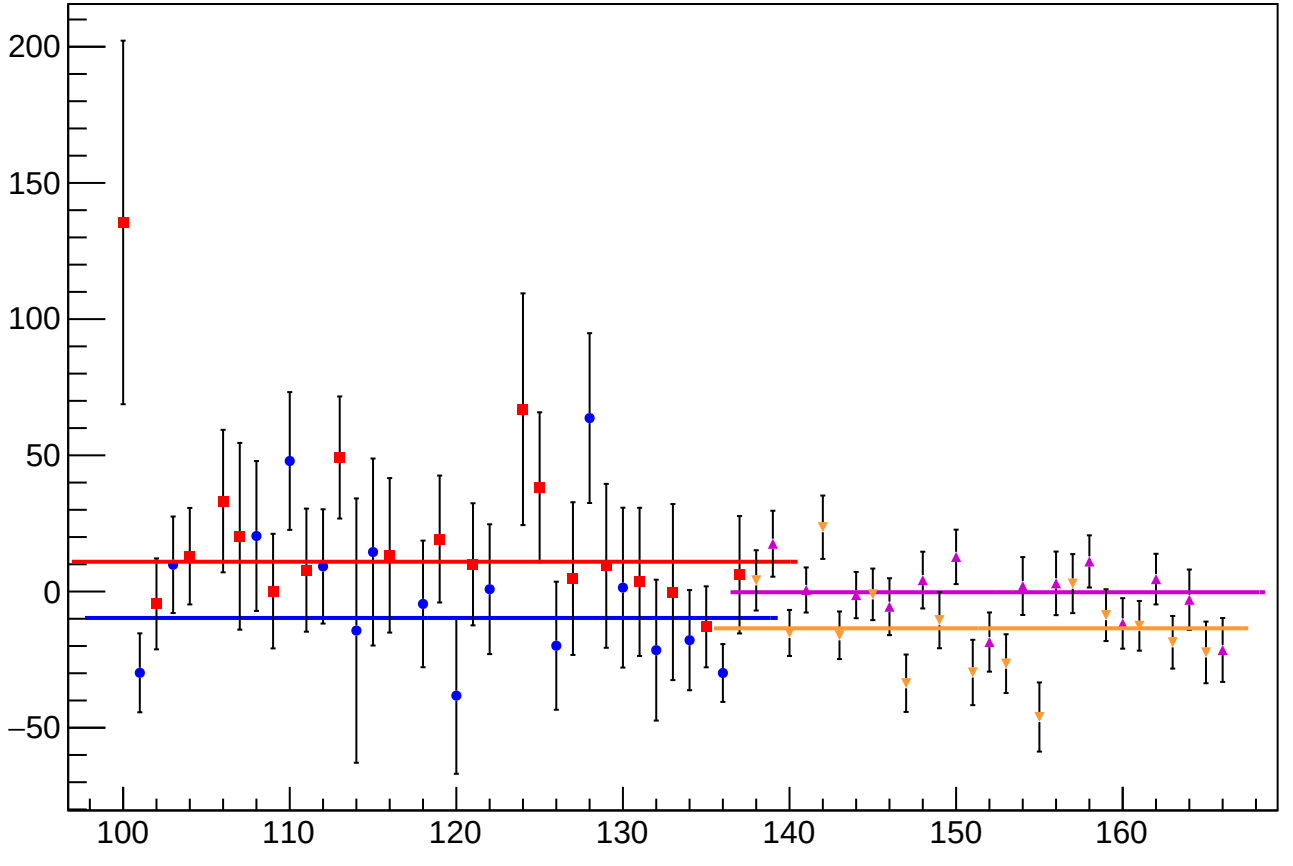
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 16.986+/-0.003 χ^2/NDF:99496.2/29

Out: 17.060+/-0.003 χ^2/NDF:95415.2/31

All: 17.022+/-0.002 χ^2/NDF: 195256.9/61

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -13.497+/-2.635 χ^2/NDF:31.7/14

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: -0.259+/-2.693 χ^2/NDF:13.8/13

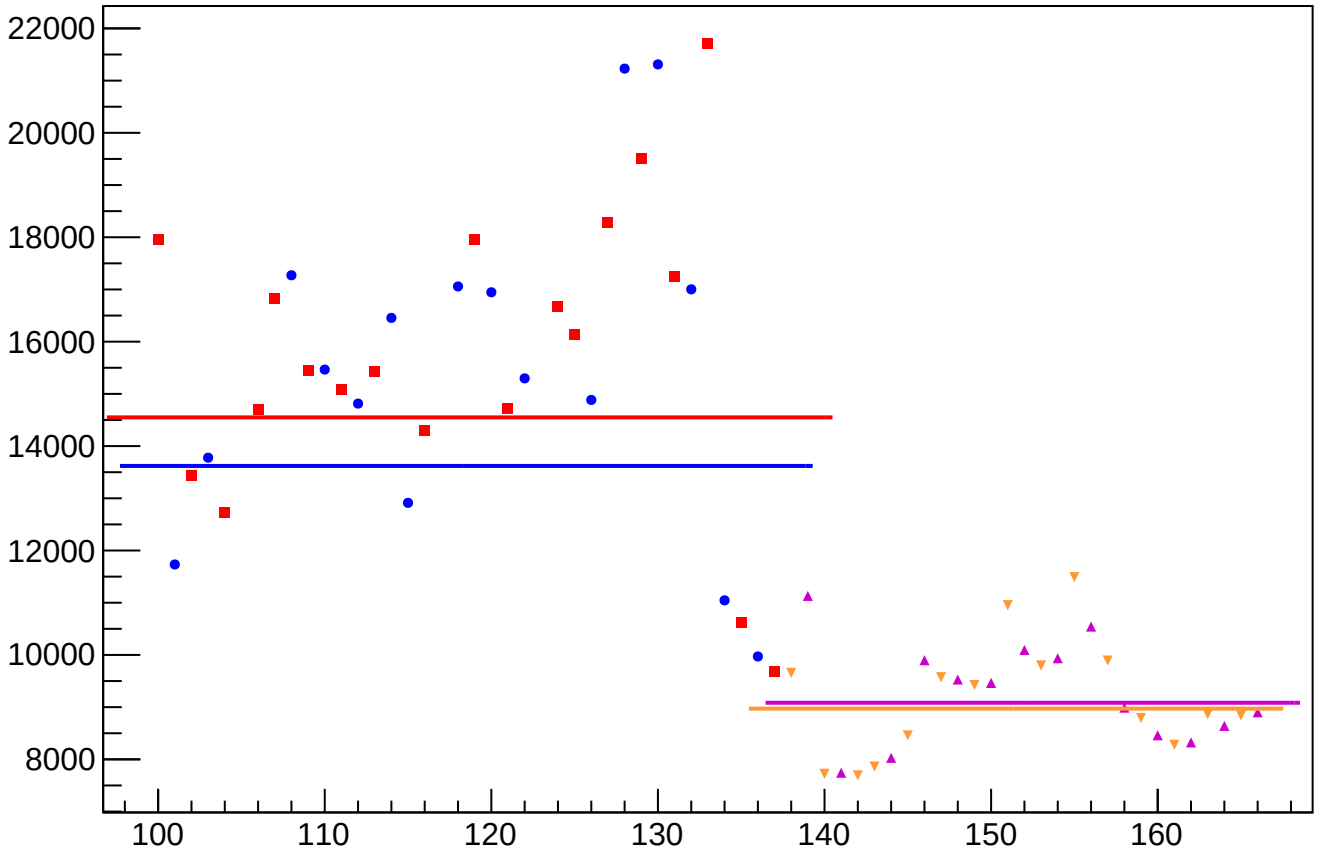
Left: -7.024+/-1.883 χ^2/NDF: 57.8/28

Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -2.238+/-2.395 χ^2/NDF:38.4/29

Out: -8.849+/-2.371 χ^2/NDF:62.1/33

All: -5.576+/-1.685 χ^2/NDF: 104.3/63



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8971.739+/-1.863 χ^2/NDF:296149.7/14

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9084.141+/-1.905 χ^2/NDF:246905.1/13

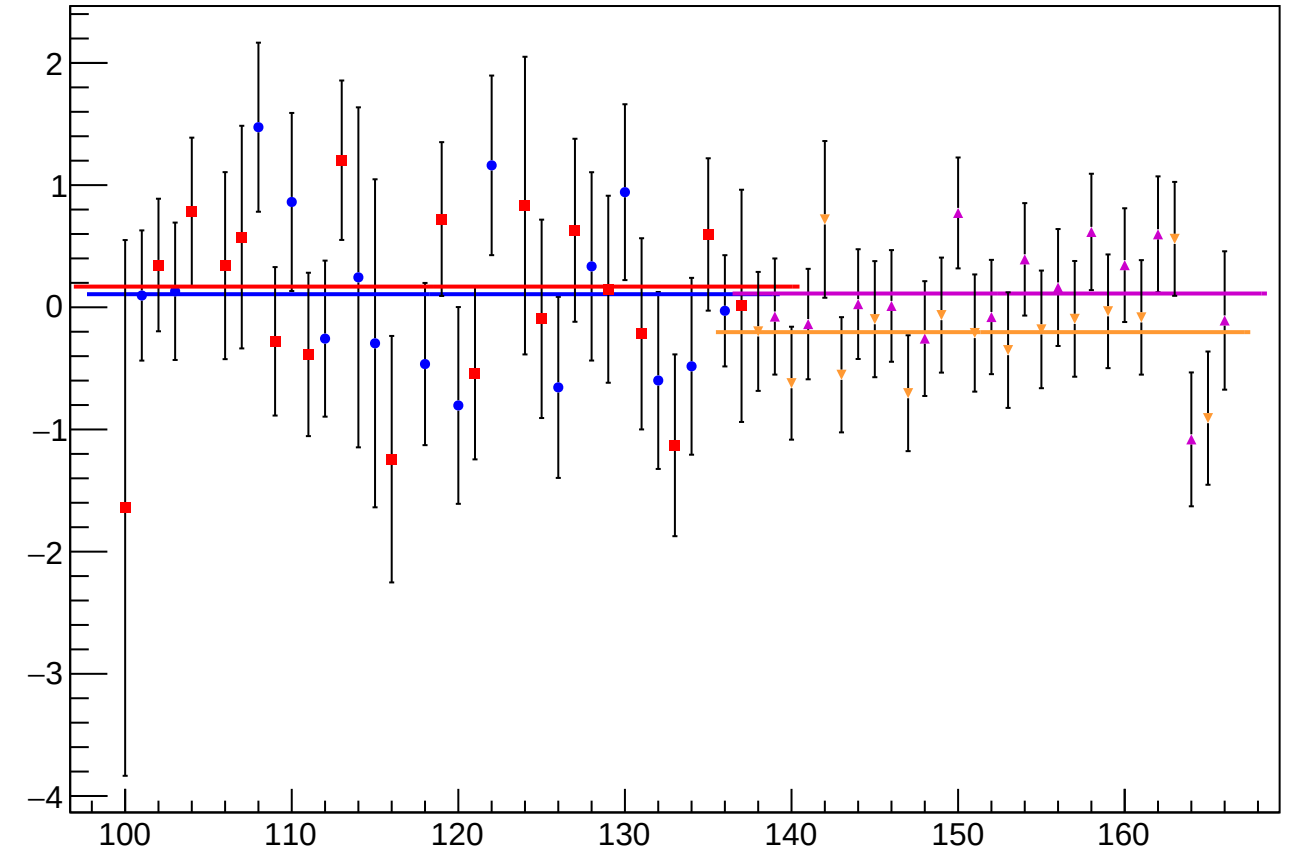
Left: 9026.700+/-1.332 χ^2/NDF: 544834.7/28

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10034.532+/-1.693 χ^2/NDF:2182301.5/29

Out: 10032.702+/-1.676 χ^2/NDF:2557183.0/33

All: 10033.608+/-1.191 χ^2/NDF: 4739485.1/6



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.203+/-0.125 χ^2/NDF:9.4/14

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.113+/-0.127 χ^2/NDF:11.1/13

Left: -0.048+/-0.089 χ^2/NDF: 23.7/28

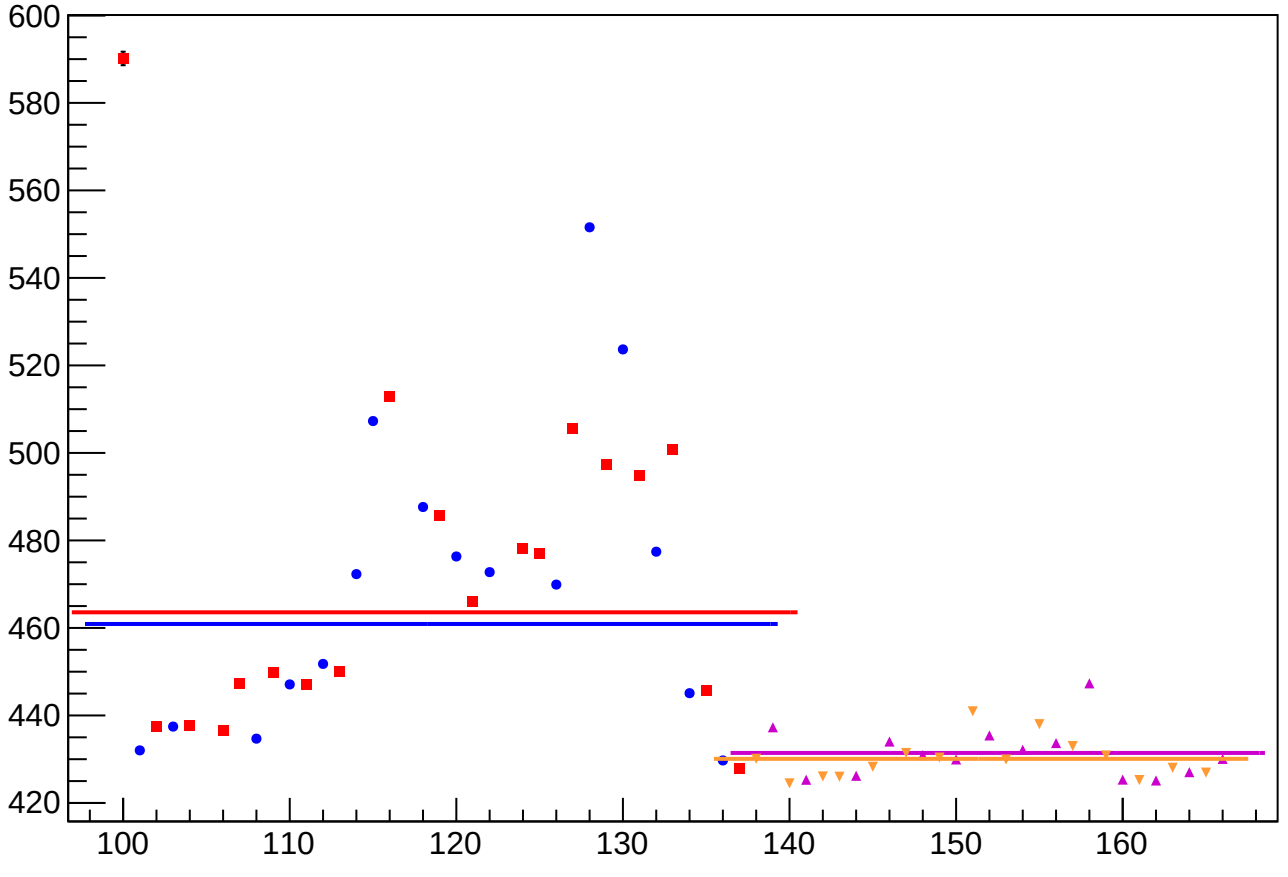
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.111+/-0.102 χ^2/NDF:24.8/29

Out: -0.072+/-0.101 χ^2/NDF:26.6/33

All: 0.018+/-0.072 χ^2/NDF: 53.1/63

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.083+/-0.088 χ^2/NDF:2534.6/14

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.431+/-0.090 χ^2/NDF:4292.1/13

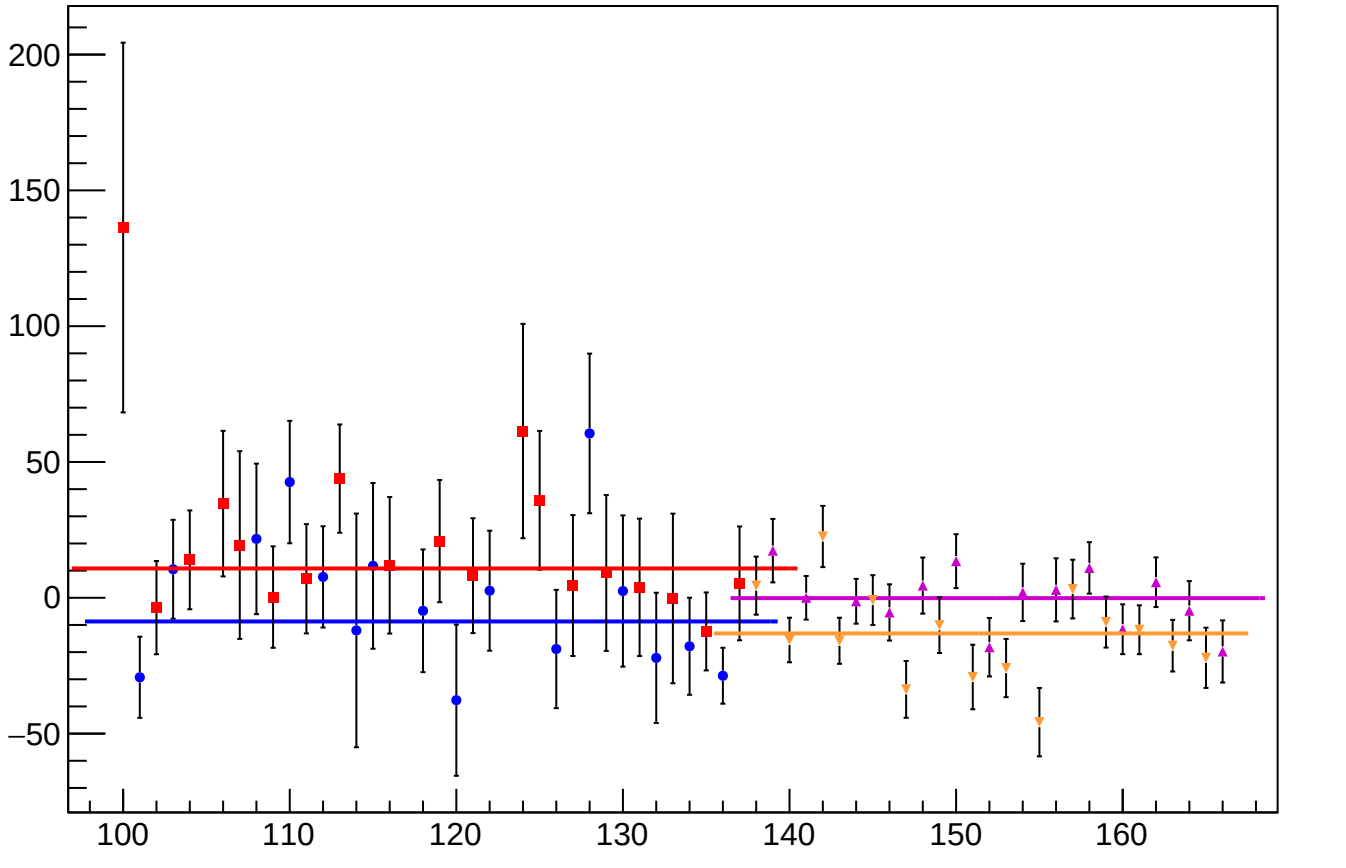
Left: 430.746+/-0.063 χ^2/NDF: 6941.2/28

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 441.851+/-0.072 χ^2/NDF:117323.0/29

Out: 441.893+/-0.071 χ^2/NDF:105291.6/33

All: 441.872+/-0.051 χ^2/NDF: 222614.8/63



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -13.126+/-2.587 χ^2/NDF:32.0/14

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -0.122+/-2.650 χ^2/NDF:14.0/13

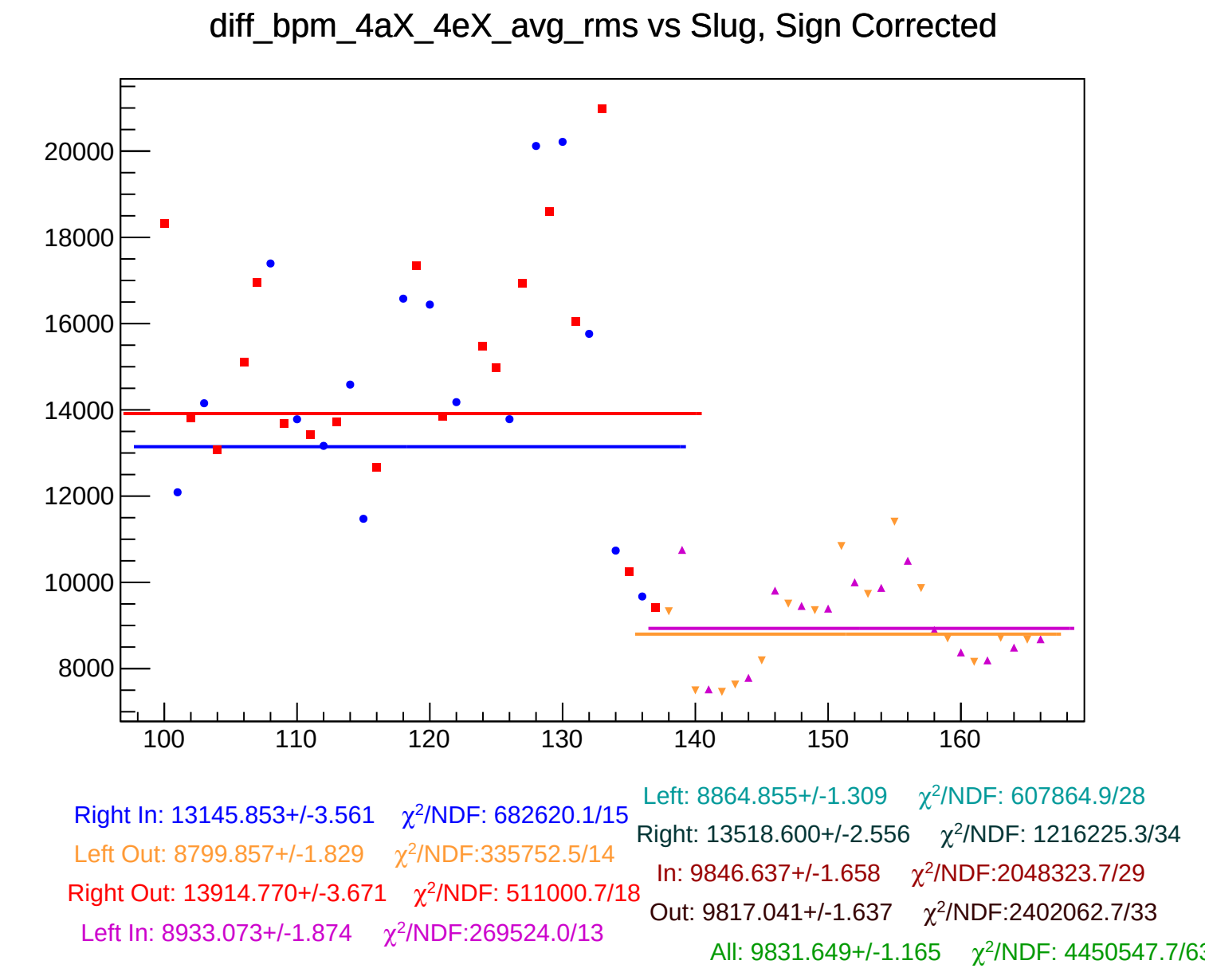
Left: -6.781+/-1.851 χ^2/NDF: 58.4/28

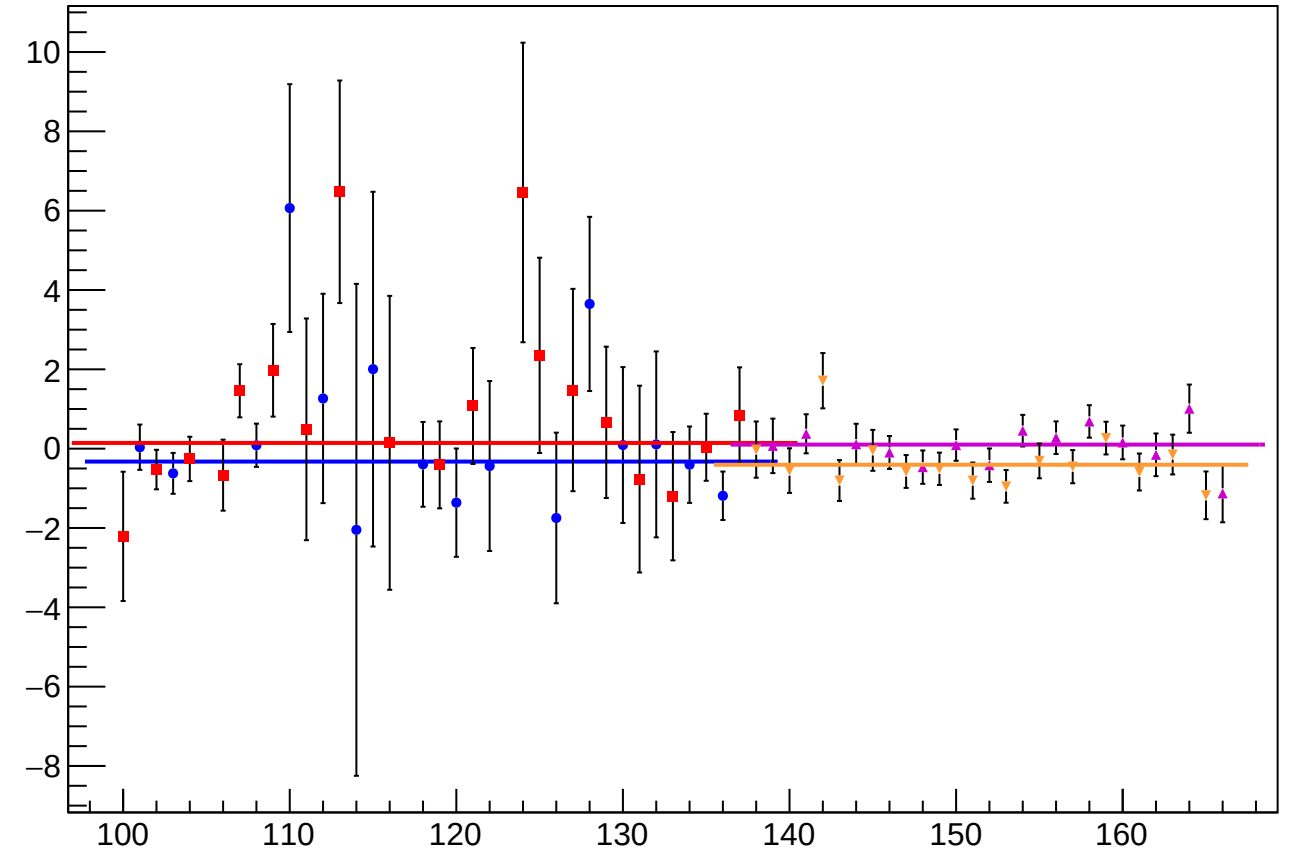
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.984+/-2.345 χ^2/NDF:38.5/29

Out: -8.367+/-2.315 χ^2/NDF:62.9/33

All: -5.216+/-1.648 χ^2/NDF: 105.2/63


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8799.857+/-1.829 χ²/NDF:335752.5/14
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8933.073+/-1.874 χ²/NDF:269524.0/13
Left: 8864.855+/-1.309 χ²/NDF: 607864.9/28
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9846.637+/-1.658 χ²/NDF:2048323.7/29
Out: 9817.041+/-1.637 χ²/NDF:2402062.7/33
All: 9831.649+/-1.165 χ²/NDF: 4450547.7/63



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.406+/-0.124 χ^2/NDF:18.2/14

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.102+/-0.124 χ^2/NDF:12.2/13

Left: -0.152+/-0.087 χ^2/NDF: 38.9/28

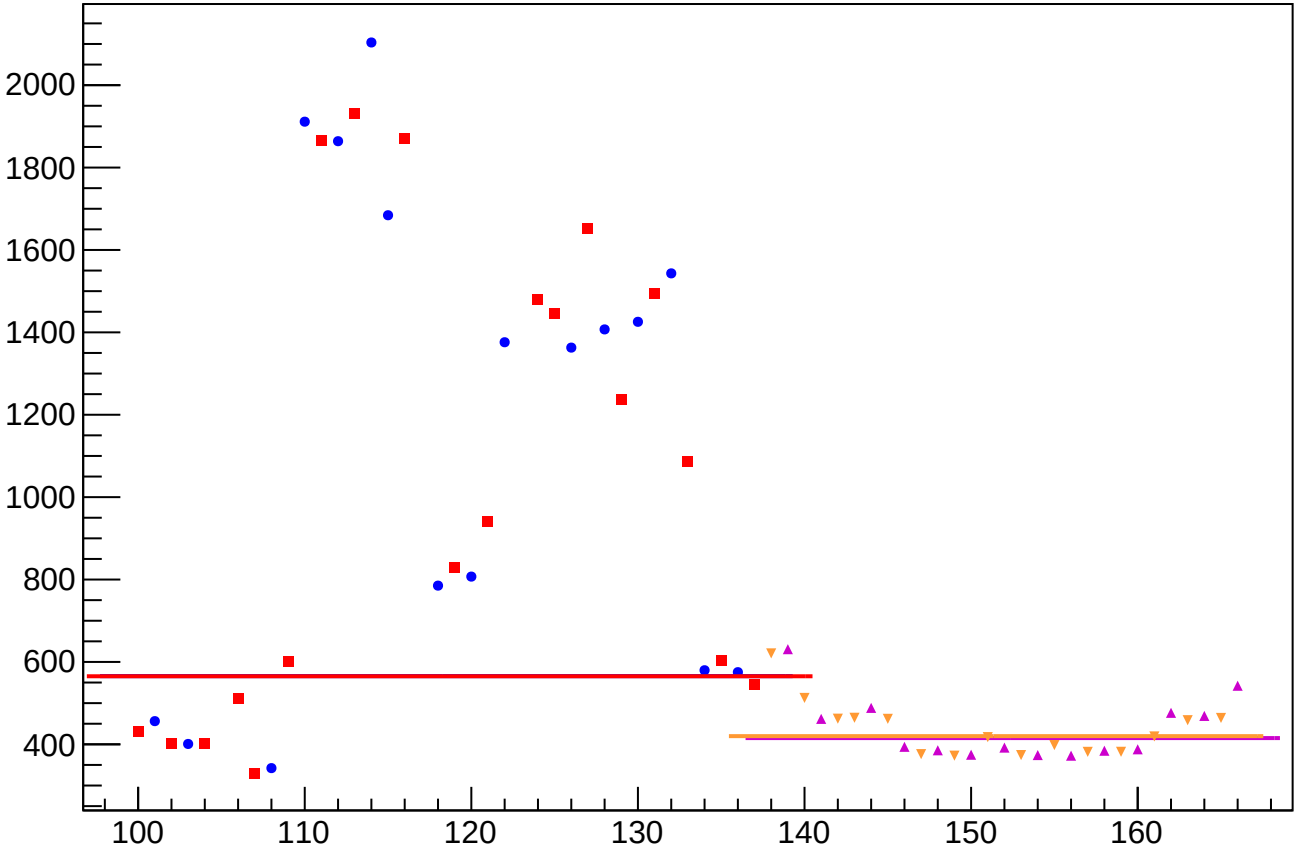
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.015+/-0.110 χ^2/NDF:27.2/29

Out: -0.294+/-0.110 χ^2/NDF:44.7/33

All: -0.140+/-0.078 χ^2/NDF: 75.8/63

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 419.886+/-0.087 χ^2/NDF:386223.1/14

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 415.169+/-0.088 χ^2/NDF:462646.2/13

Left: 417.532+/-0.062 χ^2/NDF: 850323.0/28

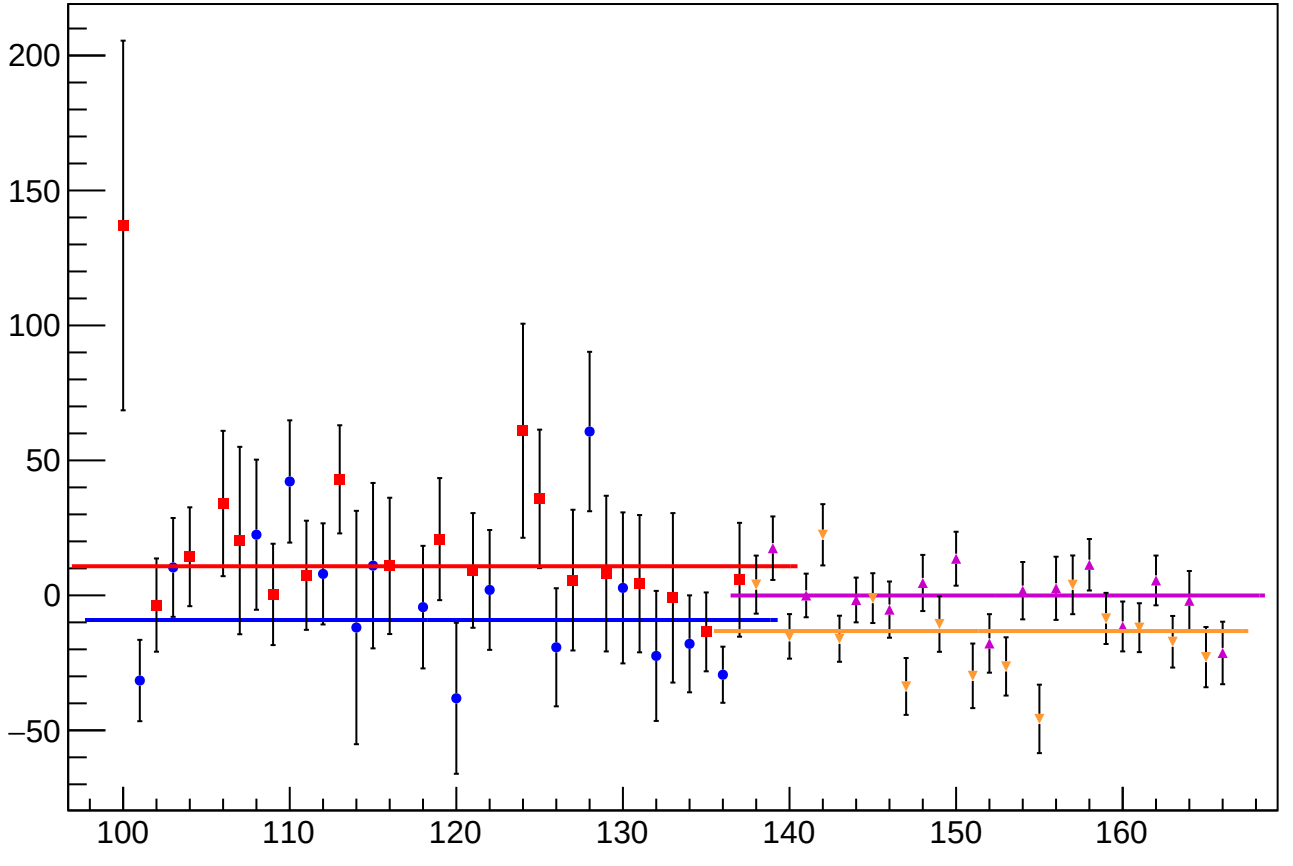
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 445.948+/-0.078 χ^2/NDF:4516587.7/29

Out: 449.494+/-0.078 χ^2/NDF:4521169.9/33

All: 447.724+/-0.055 χ^2/NDF: 9038789.8/63

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -13.216+/-2.603 χ^2/NDF:31.9/14

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -0.051+/-2.669 χ^2/NDF:14.1/13

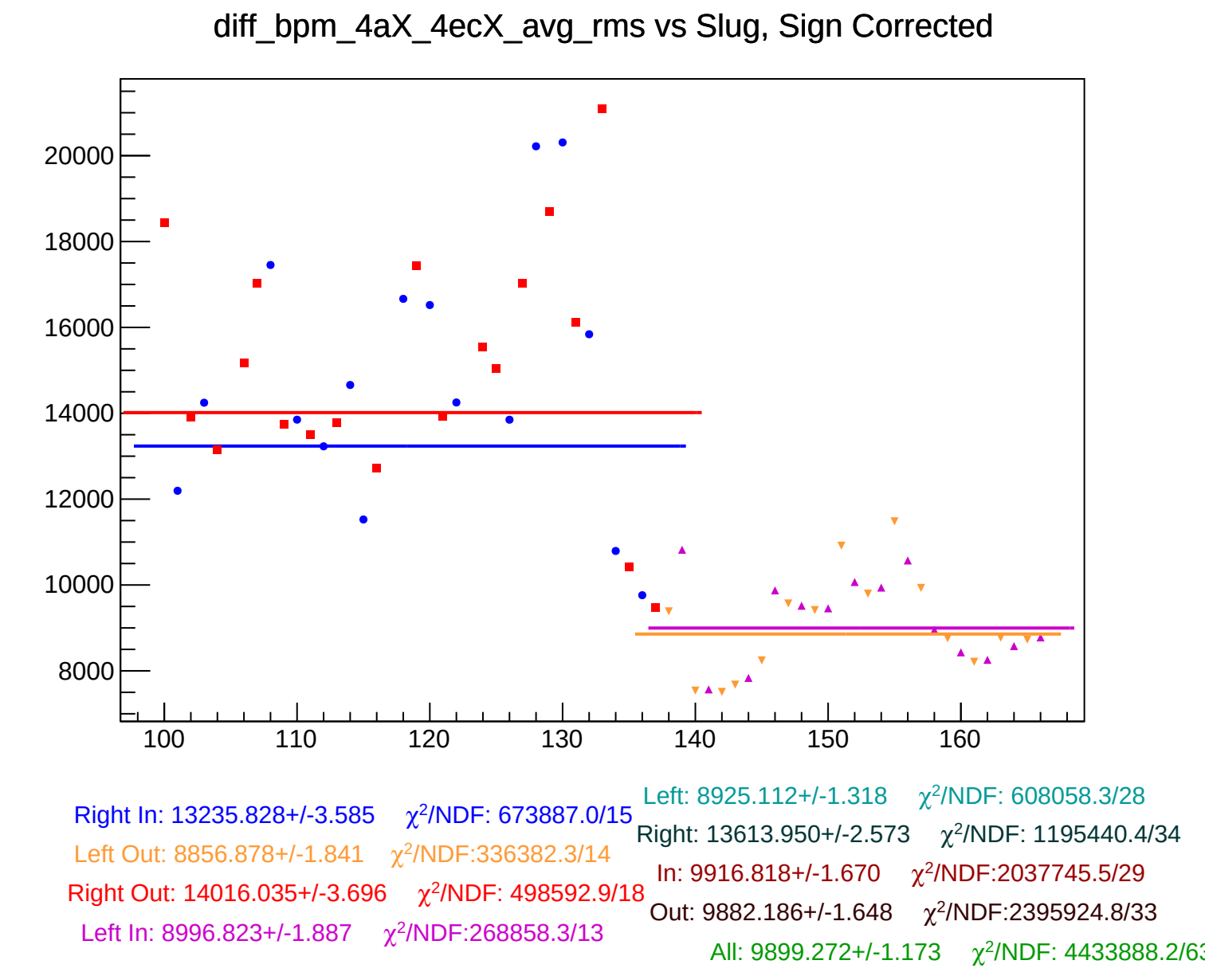
Left: -6.797+/-1.864 χ^2/NDF: 58.4/28

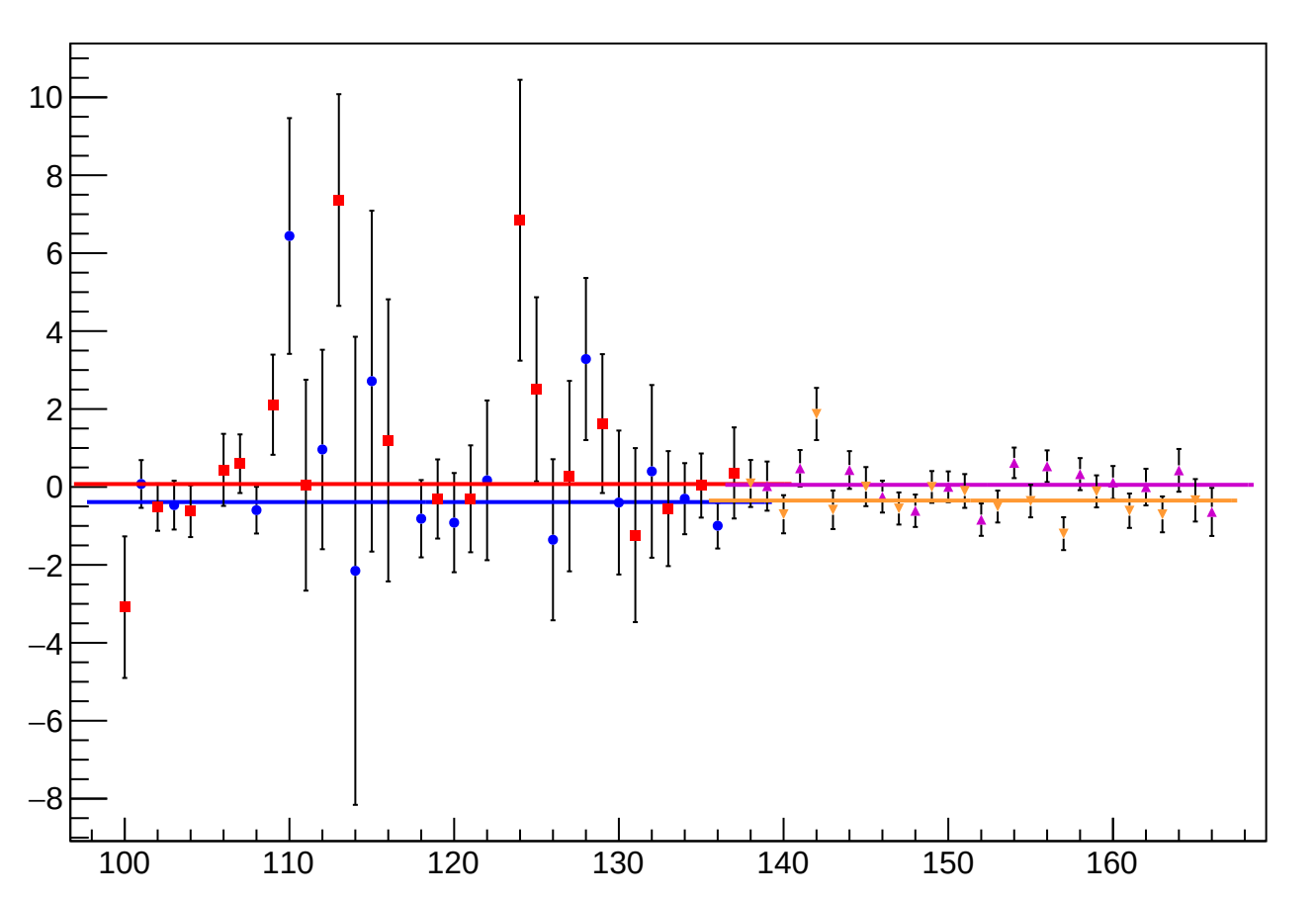
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -2.021+/-2.362 χ^2/NDF:39.3/29

Out: -8.446+/-2.330 χ^2/NDF:62.5/33

All: -5.276+/-1.659 χ^2/NDF: 105.5/63


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8856.878+/-1.841 χ²/NDF:336382.3/14
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8996.823+/-1.887 χ²/NDF:268858.3/13
Left: 8925.112+/-1.318 χ²/NDF: 608058.3/28
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9916.818+/-1.670 χ²/NDF:2037745.5/29
Out: 9882.186+/-1.648 χ²/NDF:2395924.8/33
All: 9899.272+/-1.173 χ²/NDF: 4433888.2/63



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.119 χ^2/NDF:19.6/14

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.054+/-0.120 χ^2/NDF:14.8/13

Left: -0.149+/-0.084 χ^2/NDF: 40.1/28

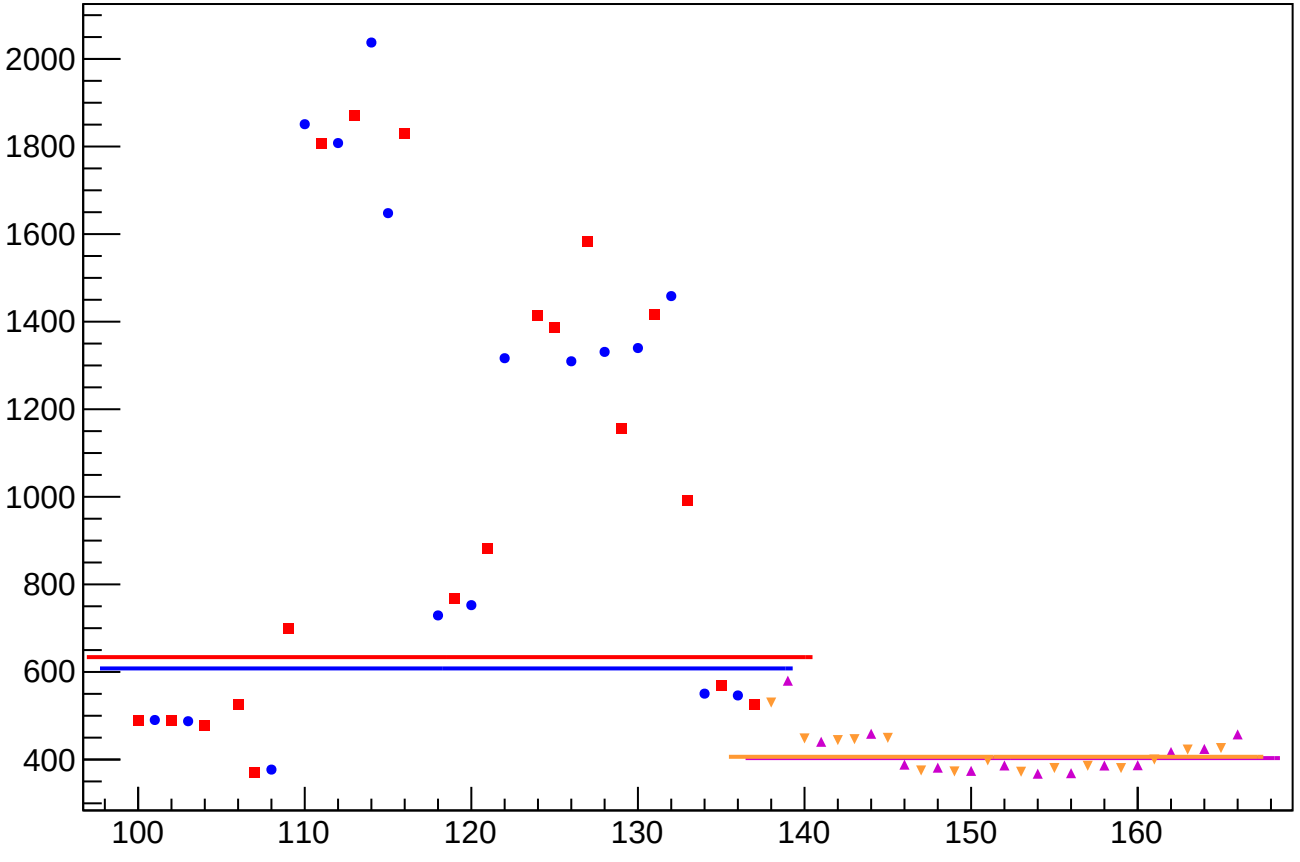
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.025+/-0.108 χ^2/NDF:28.9/29

Out: -0.278+/-0.108 χ^2/NDF:43.4/33

All: -0.152+/-0.077 χ^2/NDF: 75.0/63

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 406.273+/-0.084 χ^2/NDF:198836.2/14

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 403.266+/-0.085 χ^2/NDF:275591.3/13

Left: 404.781+/-0.060 χ^2/NDF: 475063.0/28

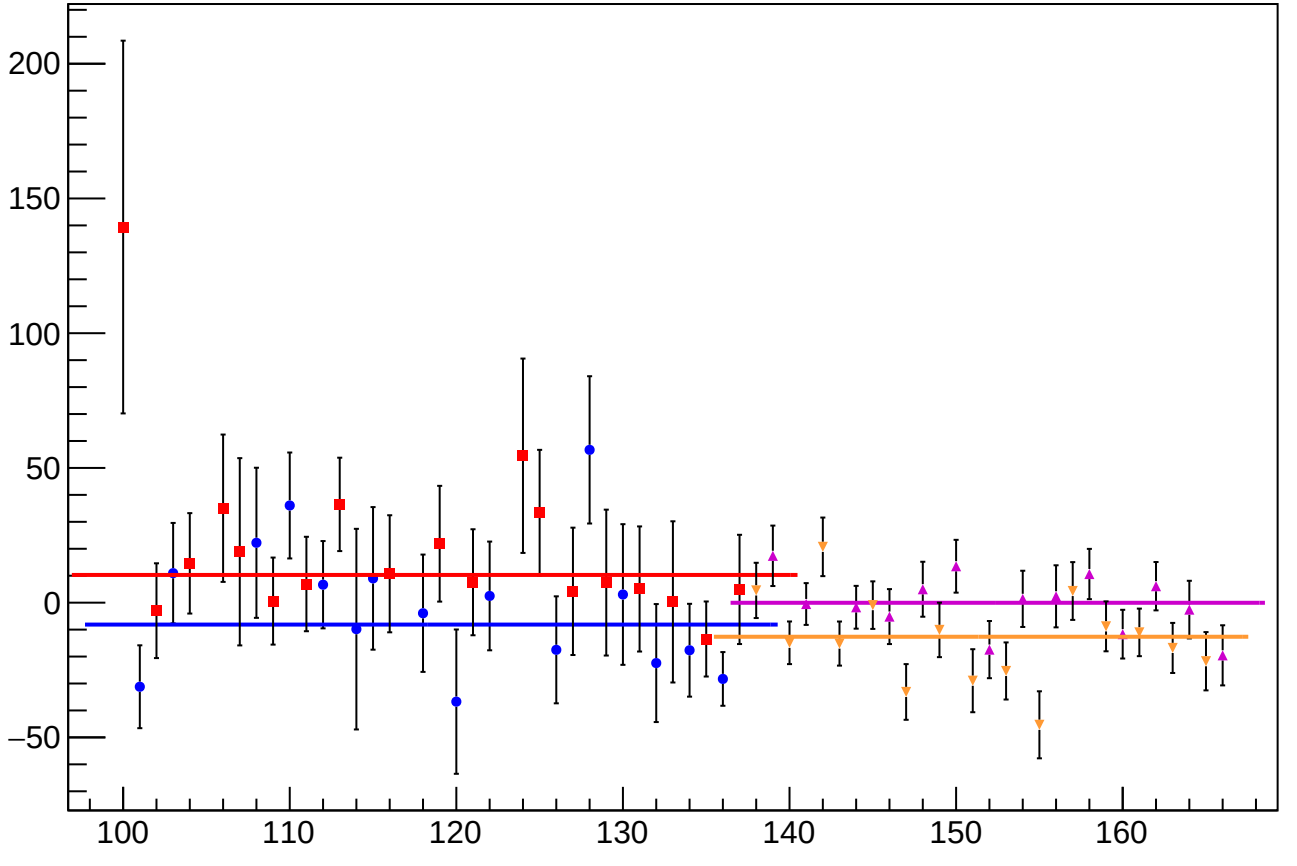
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 440.094+/-0.077 χ^2/NDF:4180553.4/29

Out: 444.480+/-0.077 χ^2/NDF:4219510.3/33

All: 442.288+/-0.054 χ^2/NDF: 8401700.7/63

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.650+/-2.525 χ^2/NDF:32.1/14

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -0.045+/-2.594 χ^2/NDF:14.2/13

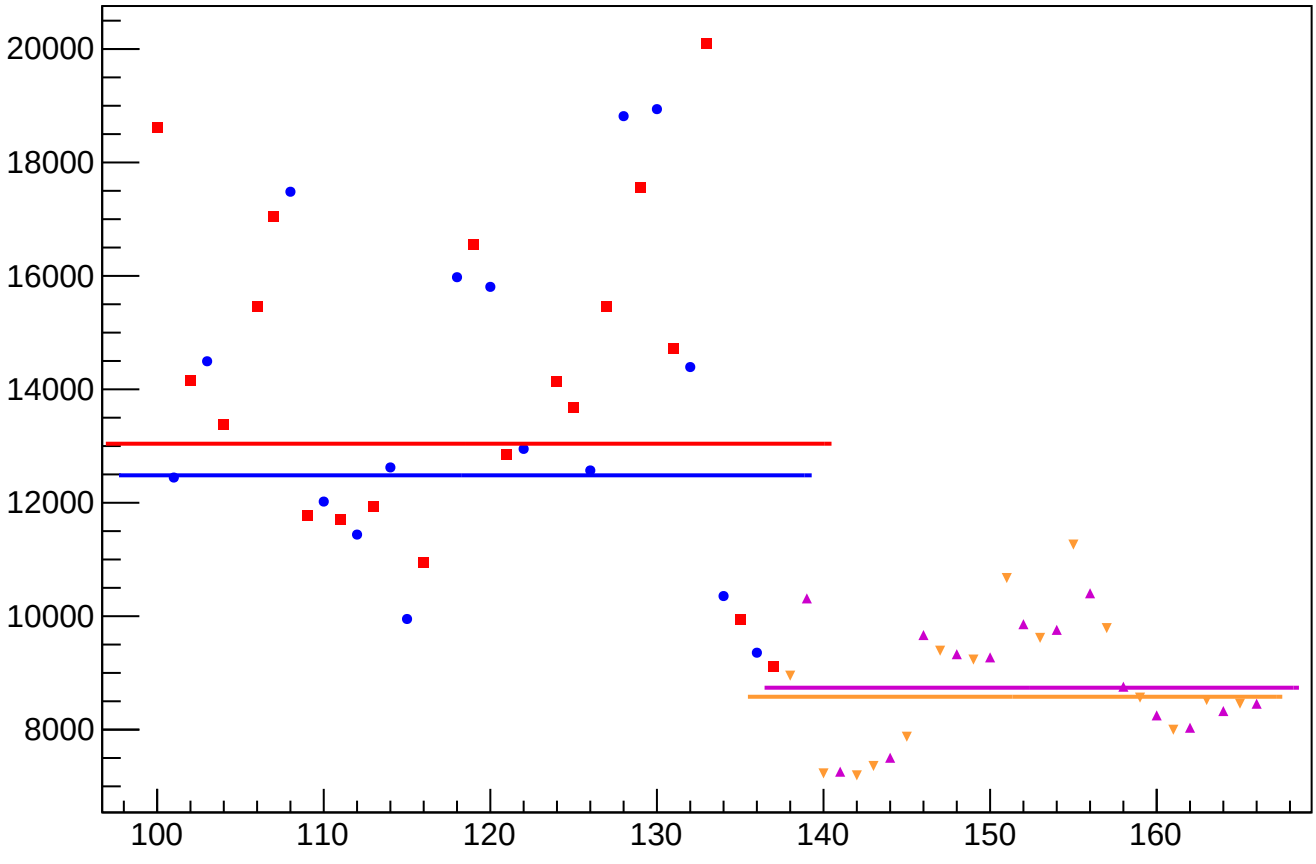
Left: -6.518+/-1.809 χ^2/NDF: 58.4/28

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.885+/-2.280 χ^2/NDF:39.5/29

Out: -7.797+/-2.242 χ^2/NDF:63.2/33

All: -4.891+/-1.598 χ^2/NDF: 106.2/63



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8579.727+/-1.785 χ^2/NDF:382360.7/14

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8739.172+/-1.834 χ^2/NDF:295641.2/13

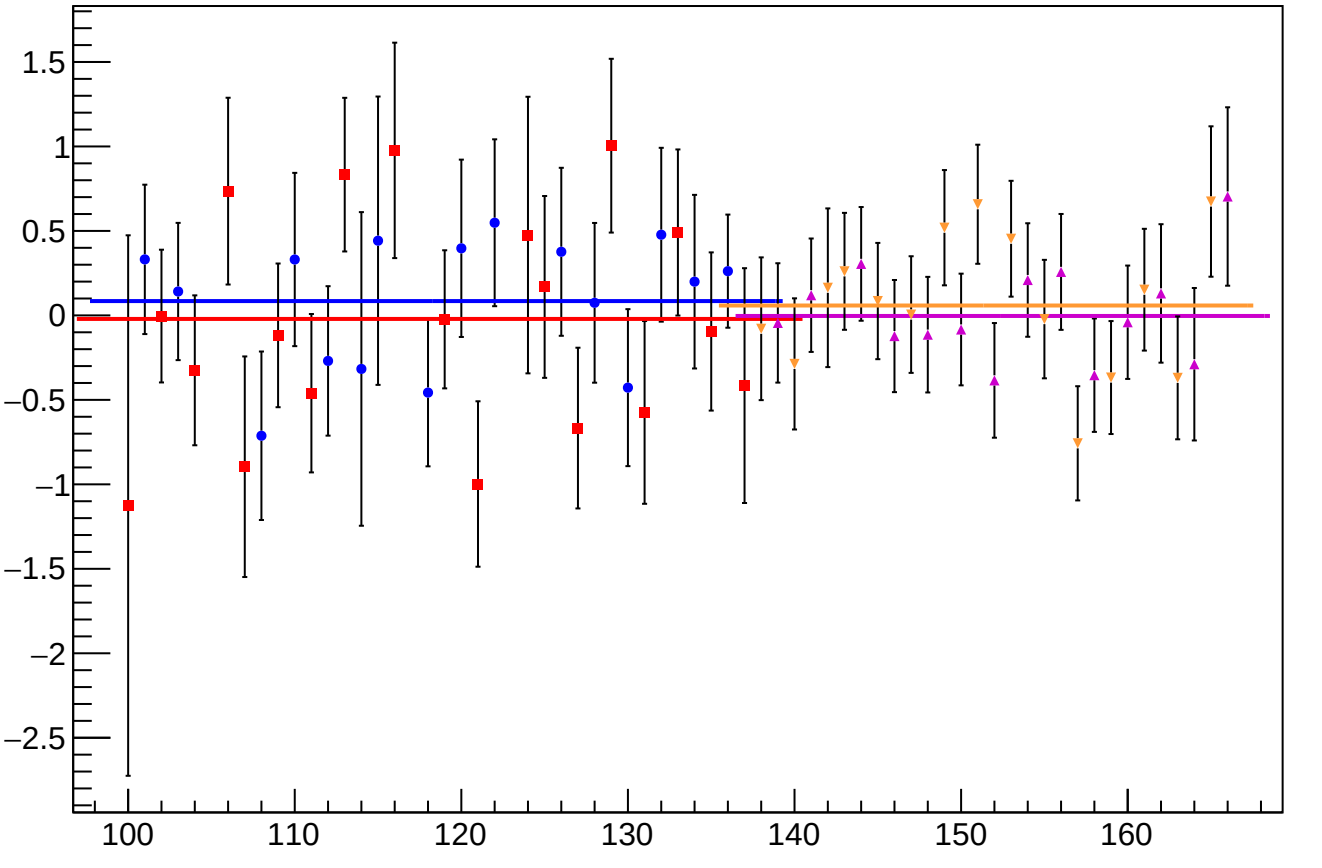
Left: 8657.290+/-1.279 χ^2/NDF: 681882.6/28

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9591.324+/-1.612 χ^2/NDF:1915750.0/29

Out: 9523.697+/-1.585 χ^2/NDF:2248413.0/33

All: 9556.941+/-1.130 χ^2/NDF: 4165057.7/63



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.059+/-0.094 χ^2/NDF:18.2/14

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.003+/-0.095 χ^2/NDF:6.9/13

Left: 0.028+/-0.067 χ^2/NDF: 25.4/28

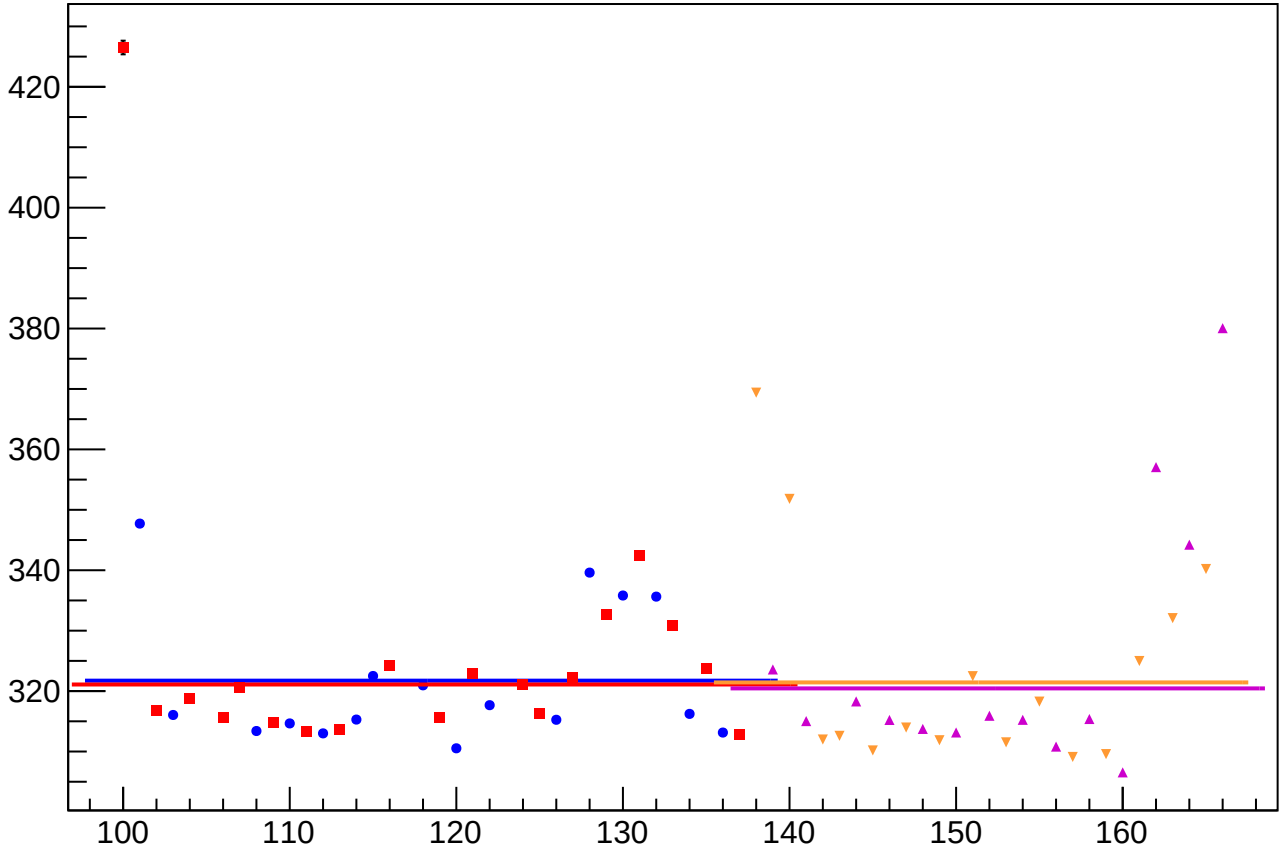
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.031+/-0.075 χ^2/NDF:16.6/29

Out: 0.028+/-0.073 χ^2/NDF:42.8/33

All: 0.029+/-0.052 χ^2/NDF: 59.4/63

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.436+/-0.066 χ^2/NDF:57275.4/14

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.445+/-0.067 χ^2/NDF:56312.6/13

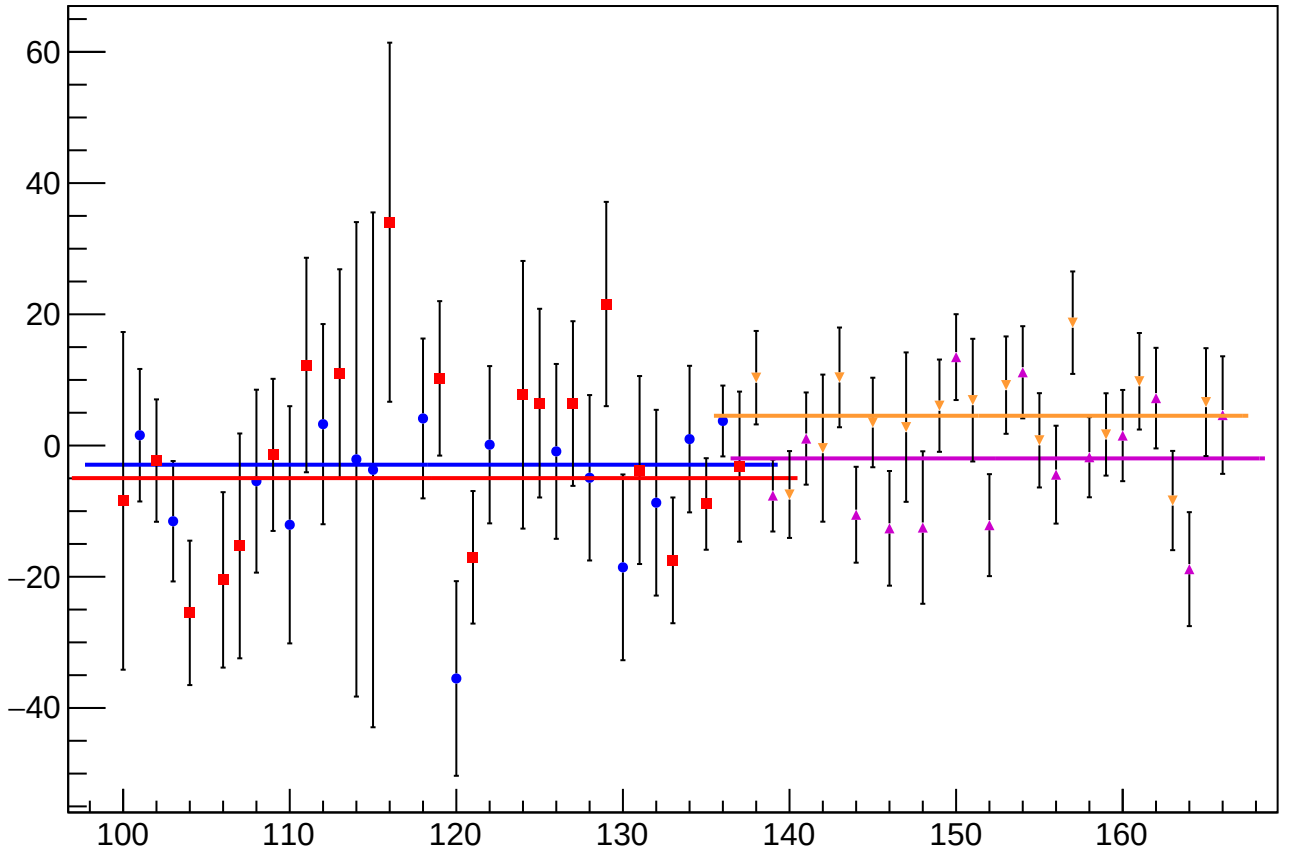
Left: 320.946+/-0.047 χ^2/NDF: 113698.0/28

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.939+/-0.053 χ^2/NDF:74667.3/29

Out: 321.302+/-0.052 χ^2/NDF:73865.1/33

All: 321.123+/-0.037 χ^2/NDF: 148556.6/63



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.539+/-1.966 χ^2/NDF:12.6/14

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -1.961+/-1.957 χ^2/NDF:21.8/13

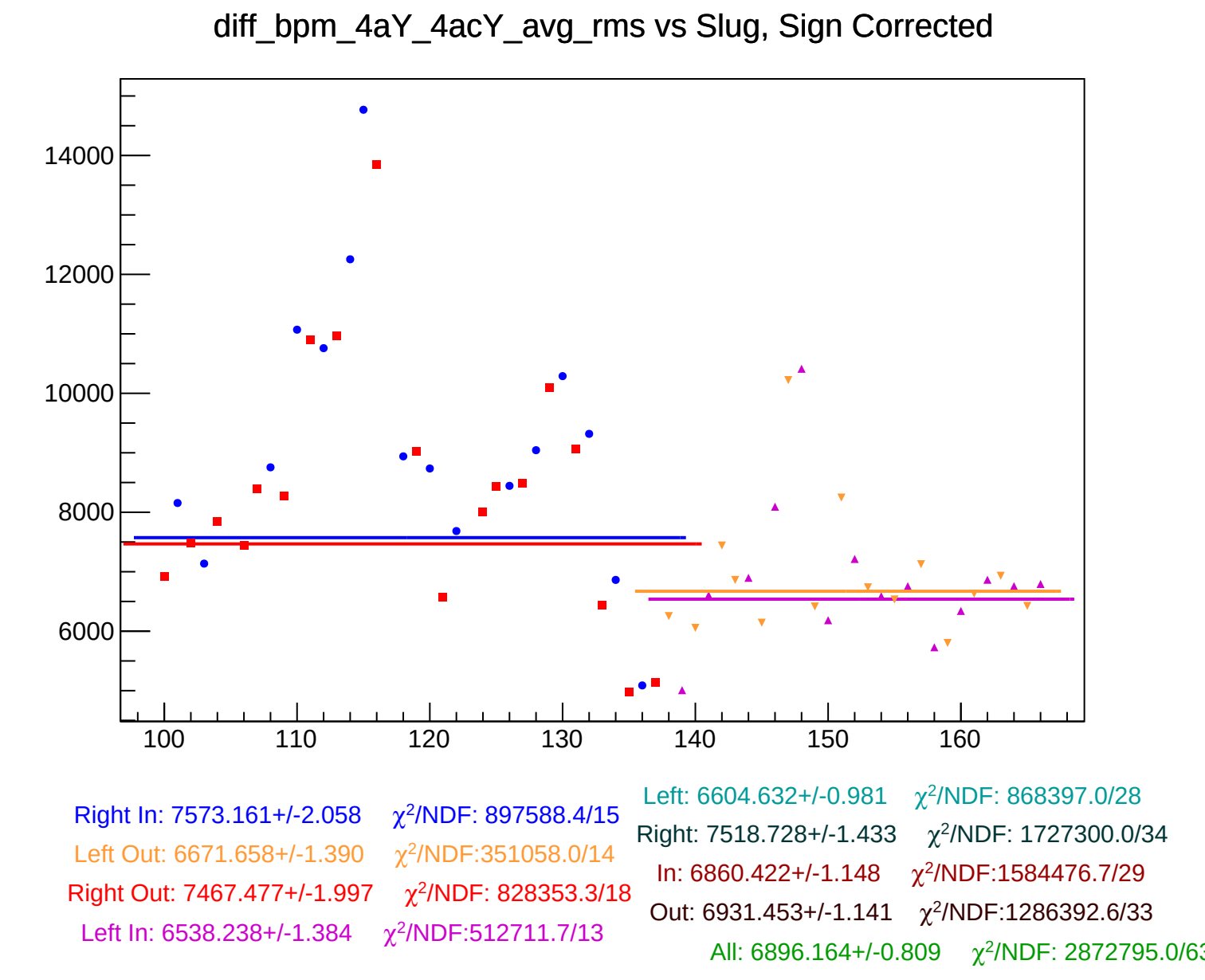
Left: 1.273+/-1.387 χ^2/NDF: 39.9/28

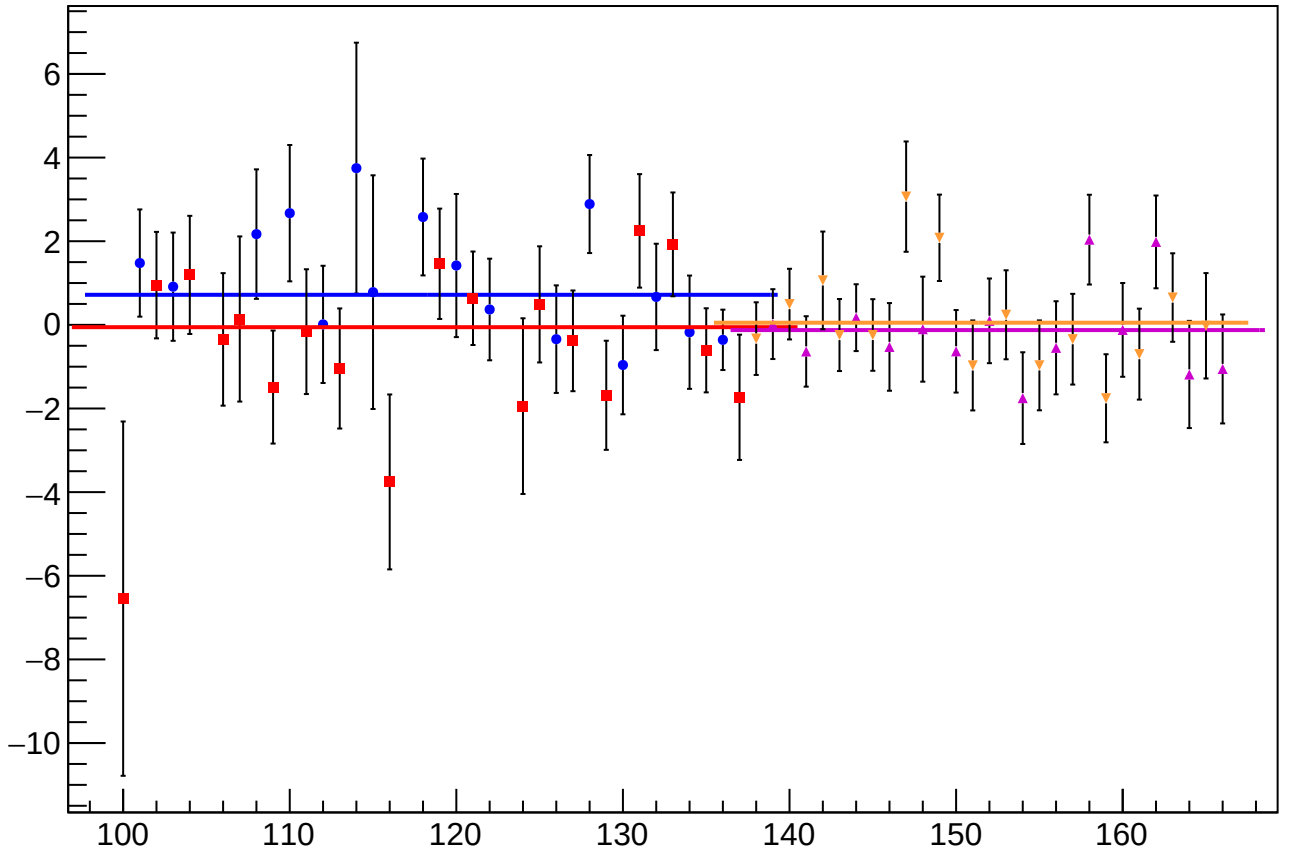
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.260+/-1.624 χ^2/NDF:31.8/29

Out: 1.436+/-1.614 χ^2/NDF:39.6/33

All: -0.400+/-1.145 χ^2/NDF: 74.0/63


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6671.658+/-1.390 χ²/NDF:351058.0/14
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6538.238+/-1.384 χ²/NDF:512711.7/13
Left: 6604.632+/-0.981 χ²/NDF: 868397.0/28
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6860.422+/-1.148 χ²/NDF:1584476.7/29
Out: 6931.453+/-1.141 χ²/NDF:1286392.6/33
All: 6896.164+/-0.809 χ²/NDF: 2872795.0/63



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.051+/-0.263 χ^2/NDF:16.3/14

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.125+/-0.275 χ^2/NDF:12.2/13

Left: -0.033+/-0.190 χ^2/NDF: 28.7/28

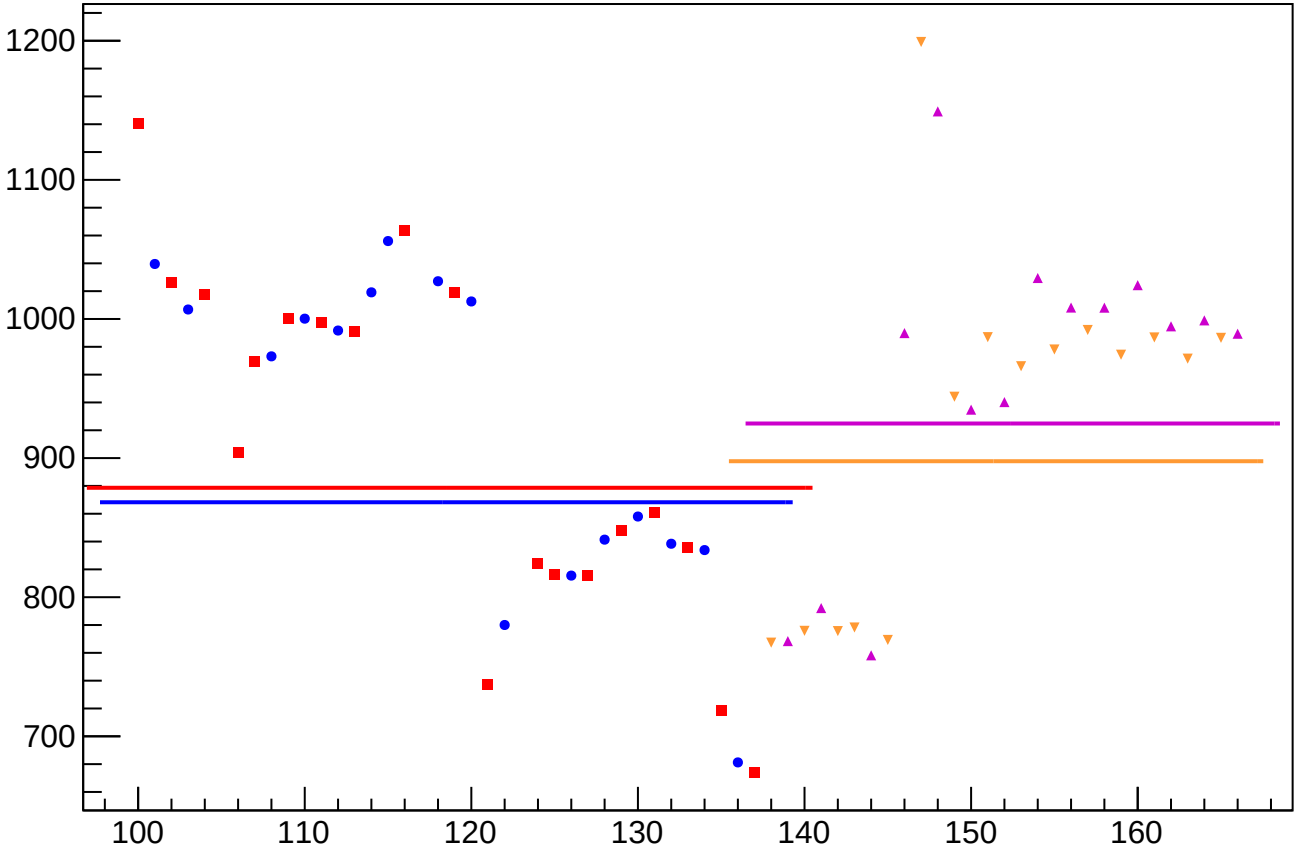
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.225+/-0.210 χ^2/NDF:30.9/29

Out: 0.008+/-0.204 χ^2/NDF:36.1/33

All: 0.114+/-0.146 χ^2/NDF: 67.6/63

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 897.752+/-0.186 χ^2/NDF:392473.4/14

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 924.862+/-0.194 χ^2/NDF:355719.3/13

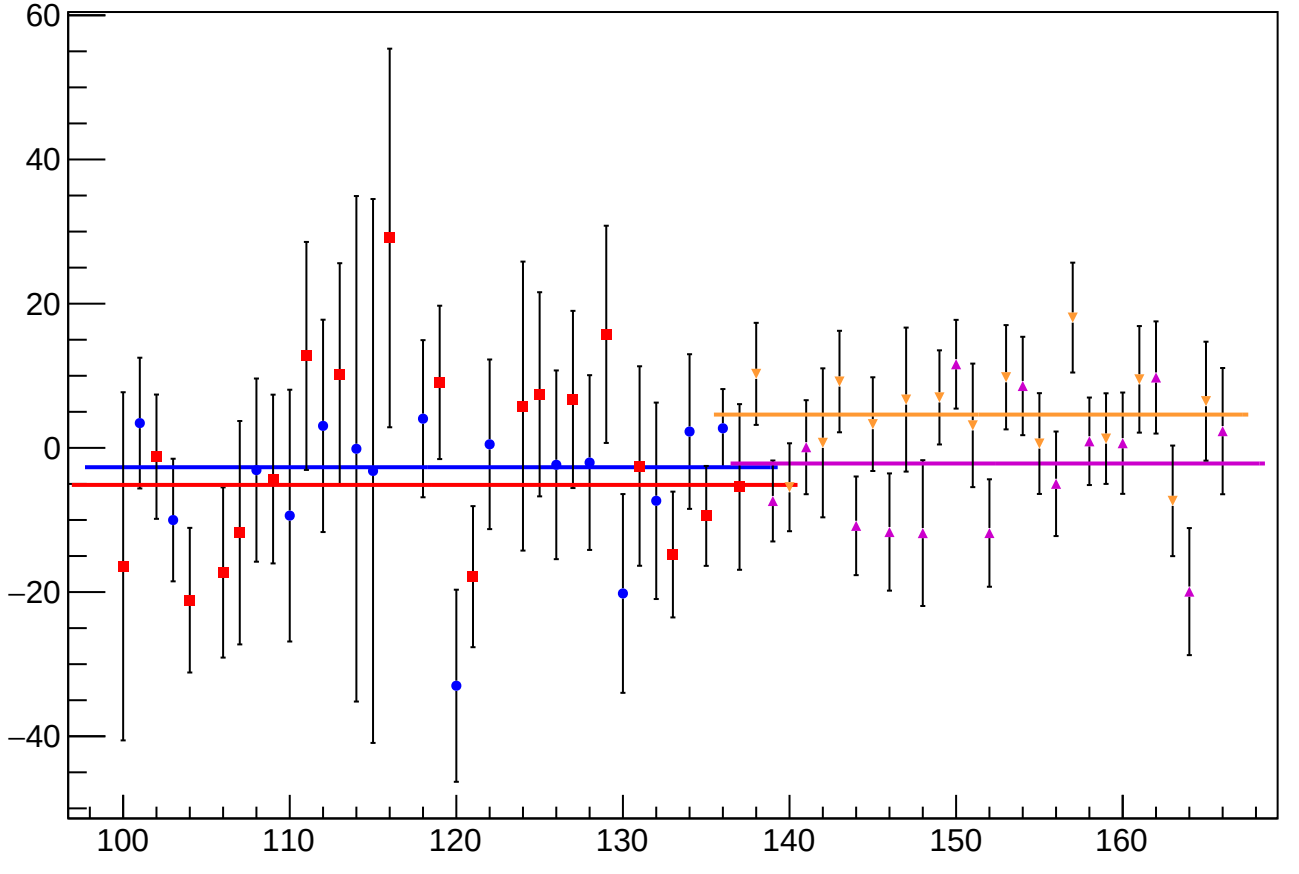
Left: 910.746+/-0.134 χ^2/NDF: 758349.7/28

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 901.369+/-0.148 χ^2/NDF:693425.9/29

Out: 890.137+/-0.144 χ^2/NDF:669196.4/33

All: 895.597+/-0.104 χ^2/NDF: 1365563.7/63



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.618+/-1.892 χ^2/NDF:11.3/14

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.167+/-1.902 χ^2/NDF:21.3/13

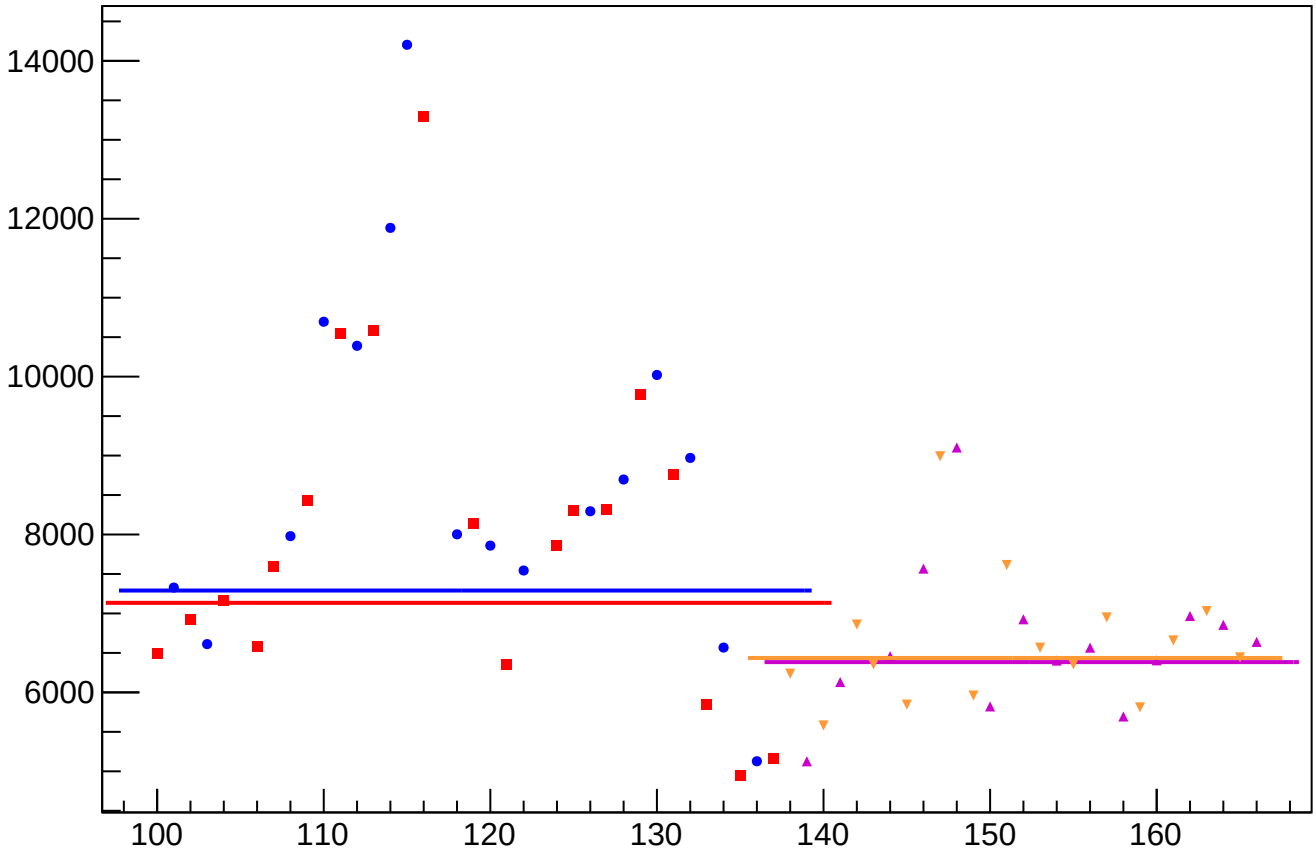
Left: 1.244+/-1.342 χ^2/NDF: 39.0/28

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.331+/-1.571 χ^2/NDF:31.4/29

Out: 1.392+/-1.548 χ^2/NDF:37.4/33

All: -0.441+/-1.103 χ^2/NDF: 71.6/63



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6436.065+/-1.338 χ^2/NDF:283974.3/14

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6383.596+/-1.345 χ^2/NDF:363542.0/13

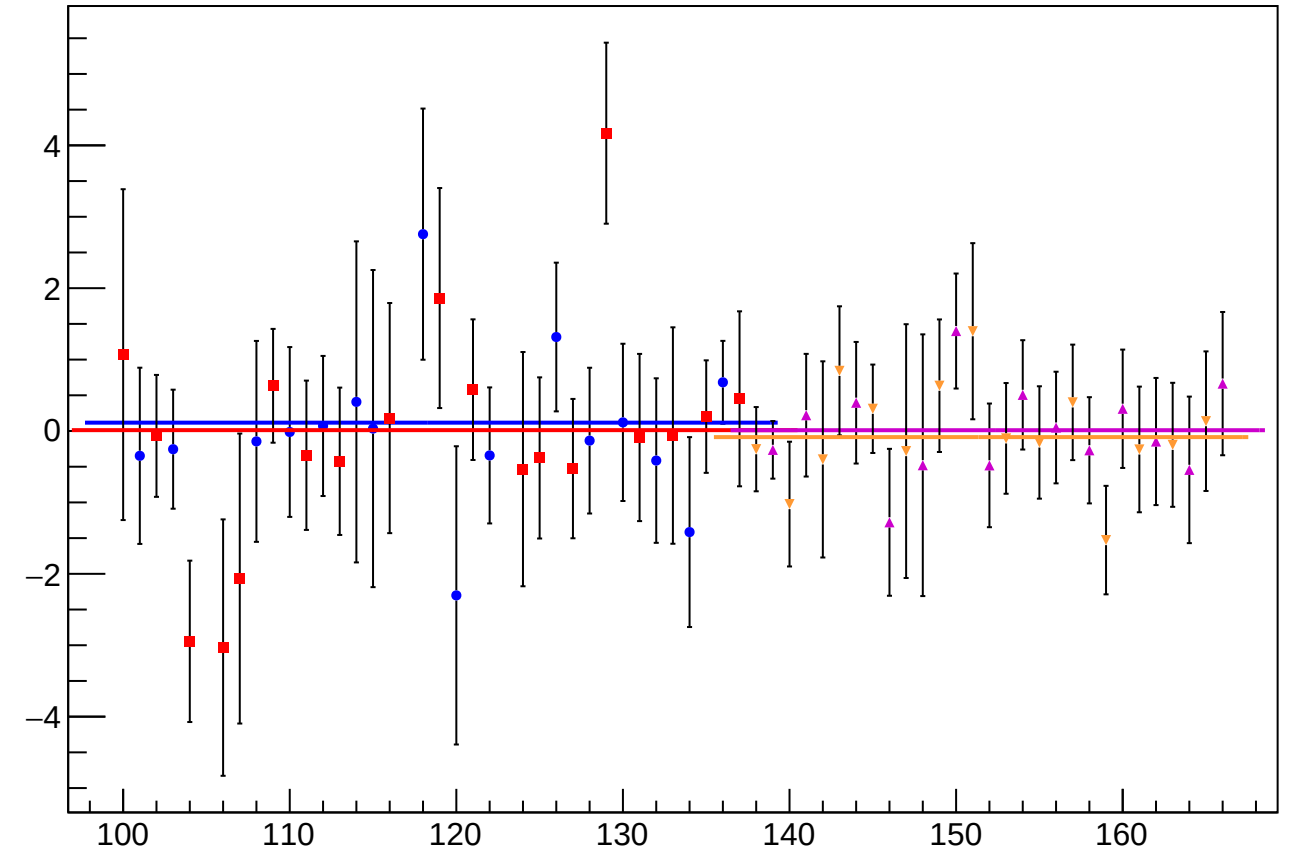
Left: 6409.974+/-0.949 χ^2/NDF: 648281.1/28

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6671.616+/-1.111 χ^2/NDF:1278357.4/29

Out: 6666.983+/-1.095 χ^2/NDF:1166855.7/33

All: 6669.264+/-0.780 χ^2/NDF: 2445221.8/63



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.085+/-0.219 χ^2/NDF:8.9/14

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.011+/-0.209 χ^2/NDF:7.1/13

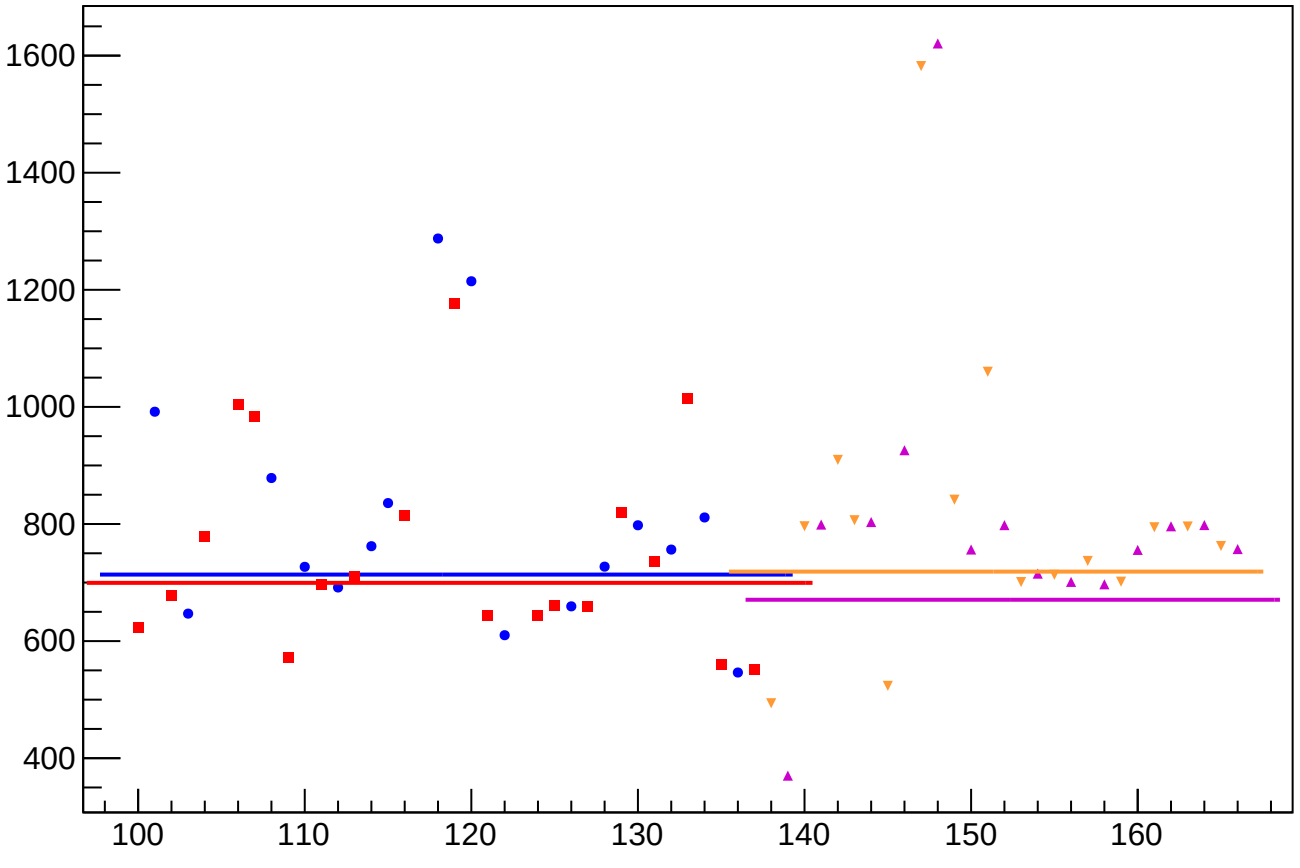
Left: -0.035+/-0.151 χ^2/NDF: 16.1/28

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.050+/-0.166 χ^2/NDF:15.3/29

Out: -0.046+/-0.168 χ^2/NDF:34.1/33

All: 0.003+/-0.118 χ^2/NDF: 49.6/63



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 718.705+/-0.155 χ^2/NDF:1260678.4/14

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 670.632+/-0.148 χ^2/NDF:2049299.2/13

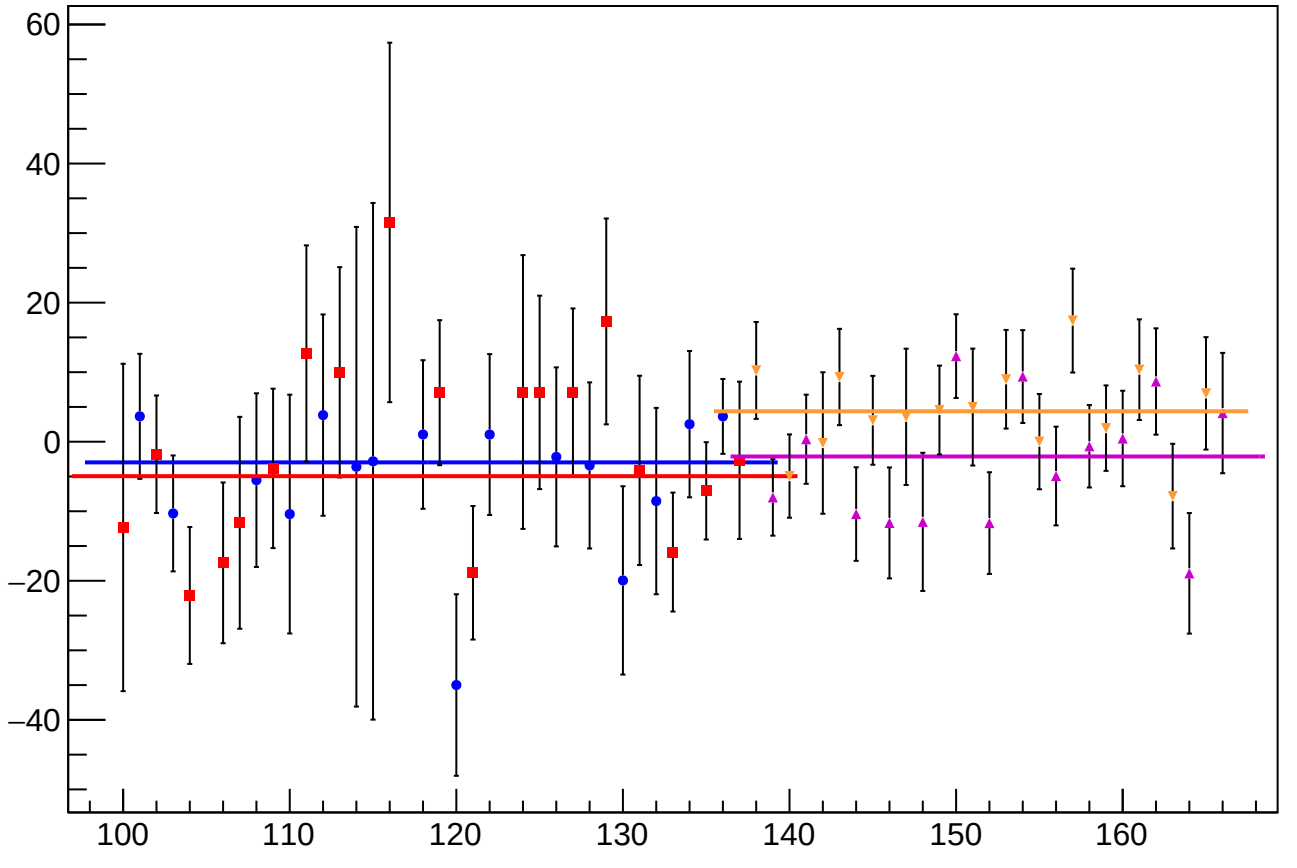
Left: 693.609+/-0.107 χ^2/NDF: 3360380.9/28

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 686.542+/-0.117 χ^2/NDF:2779817.2/29

Out: 710.858+/-0.119 χ^2/NDF:1842733.6/33

All: 698.548+/-0.084 χ^2/NDF: 4643698.0/63



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.374+/-1.856 χ^2/NDF:11.3/14

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.123+/-1.866 χ^2/NDF:22.2/13

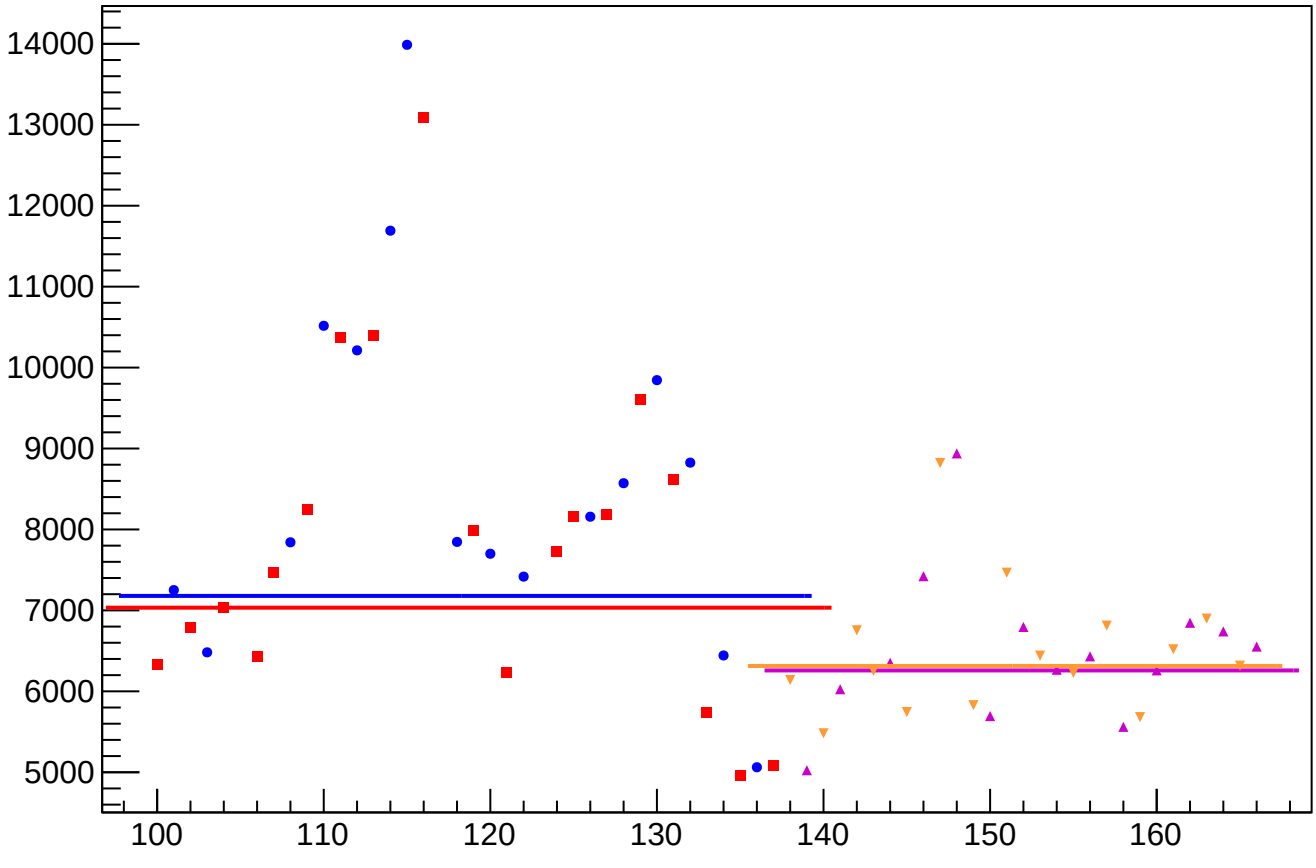
Left: 1.142+/-1.316 χ^2/NDF: 39.6/28

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.392+/-1.543 χ^2/NDF:33.8/29

Out: 1.308+/-1.521 χ^2/NDF:38.1/33

All: -0.515+/-1.083 χ^2/NDF: 74.8/63



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.302+/-1.313 χ^2/NDF:284361.7/14

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6258.024+/-1.319 χ^2/NDF:369278.4/13

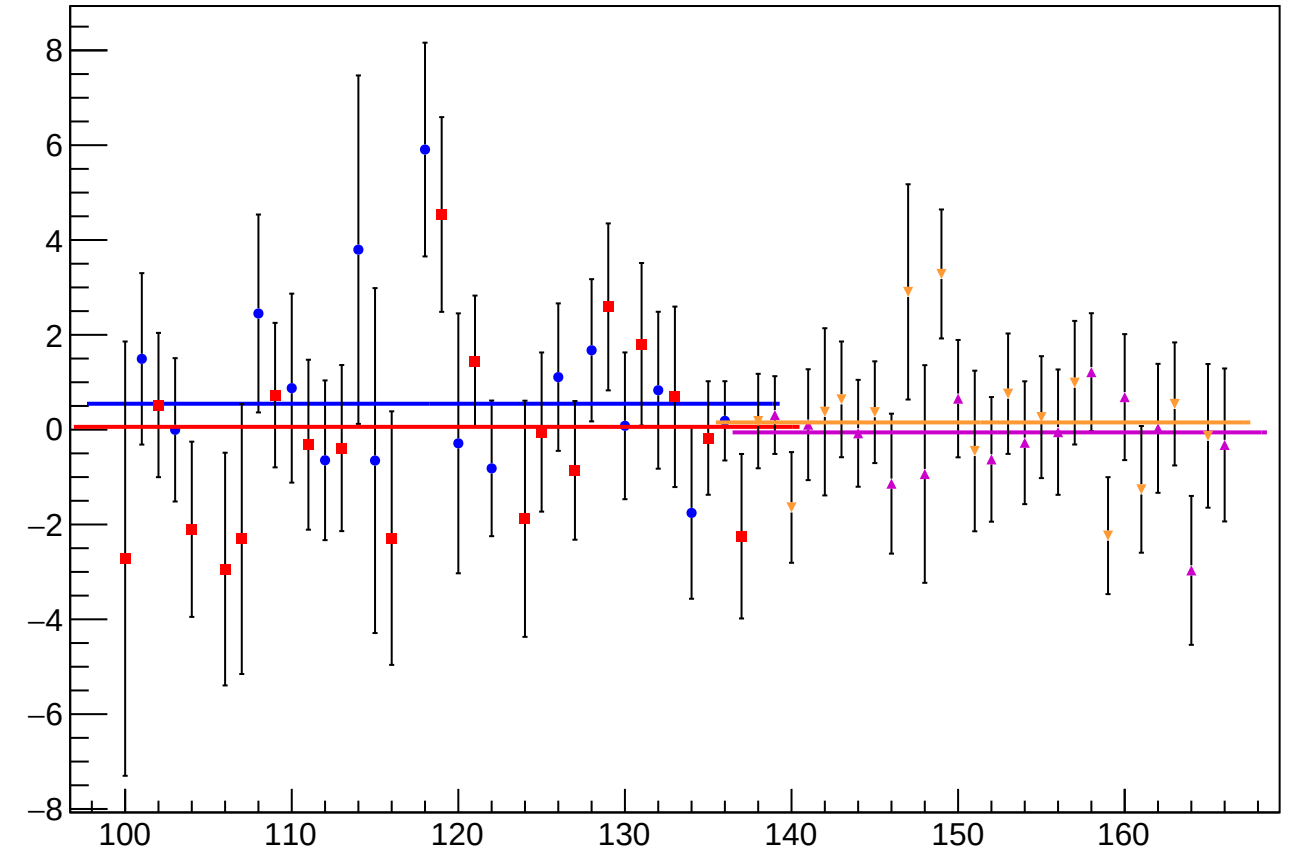
Left: 6285.804+/-0.930 χ^2/NDF: 654522.4/28

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6548.870+/-1.091 χ^2/NDF:1285102.5/29

Out: 6549.988+/-1.075 χ^2/NDF:1149699.1/33

All: 6549.437+/-0.766 χ^2/NDF: 2434802.1/63



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.153+/-0.338 χ^2/NDF:15.1/14

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.057+/-0.341 χ^2/NDF:6.3/13

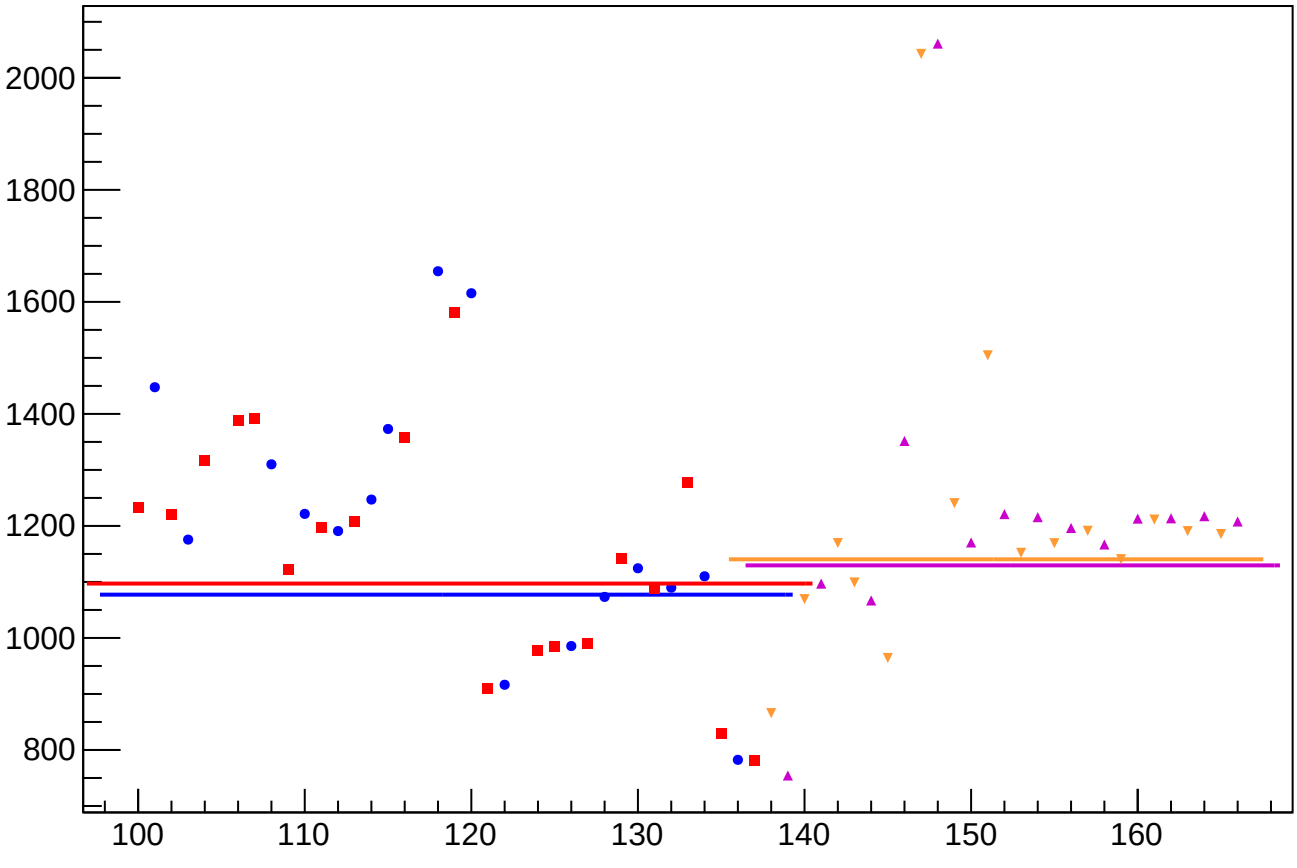
Left: 0.049+/-0.240 χ^2/NDF: 21.6/28

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.189+/-0.262 χ^2/NDF:19.5/29

Out: 0.115+/-0.261 χ^2/NDF:32.0/33

All: 0.152+/-0.185 χ^2/NDF: 51.5/63



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1140.407+/-0.239 χ^2/NDF:650042.7/14

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1129.578+/-0.241 χ^2/NDF:855219.4/13

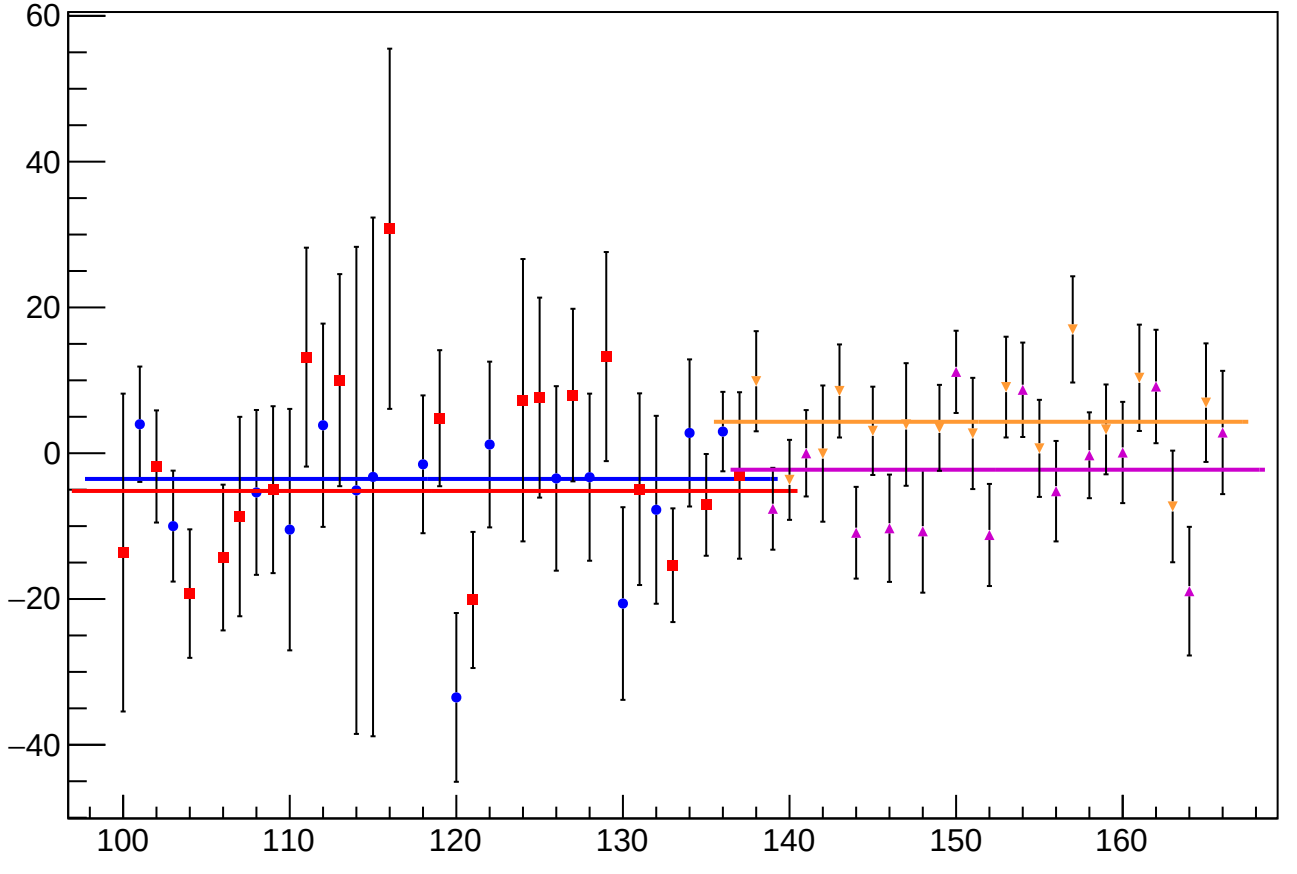
Left: 1135.039+/-0.170 χ^2/NDF: 1506279.0/28

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1108.257+/-0.186 χ^2/NDF:1520908.2/29

Out: 1122.821+/-0.184 χ^2/NDF:1147734.5/33

All: 1115.590+/-0.131 χ^2/NDF: 2671744.9/63



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.314+/-1.775 χ^2/NDF:10.4/14

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.262+/-1.803 χ^2/NDF:21.8/13

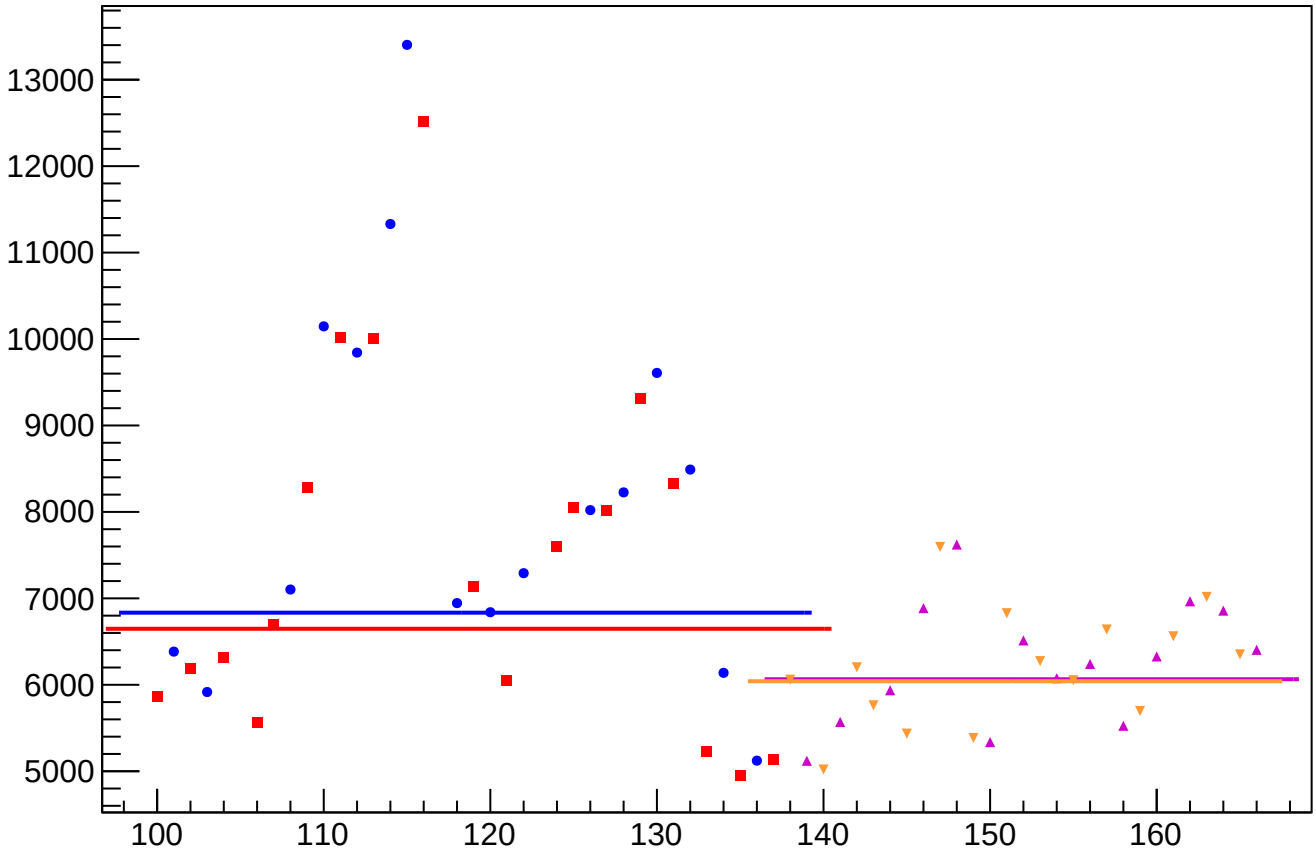
Left: 1.077+/-1.265 χ^2/NDF: 39.0/28

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.671+/-1.483 χ^2/NDF:34.6/29

Out: 1.147+/-1.449 χ^2/NDF:38.2/33

All: -0.718+/-1.036 χ^2/NDF: 76.1/63



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6041.102+/-1.255 χ^2/NDF:275586.0/14

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6064.447+/-1.275 χ^2/NDF:273214.1/13

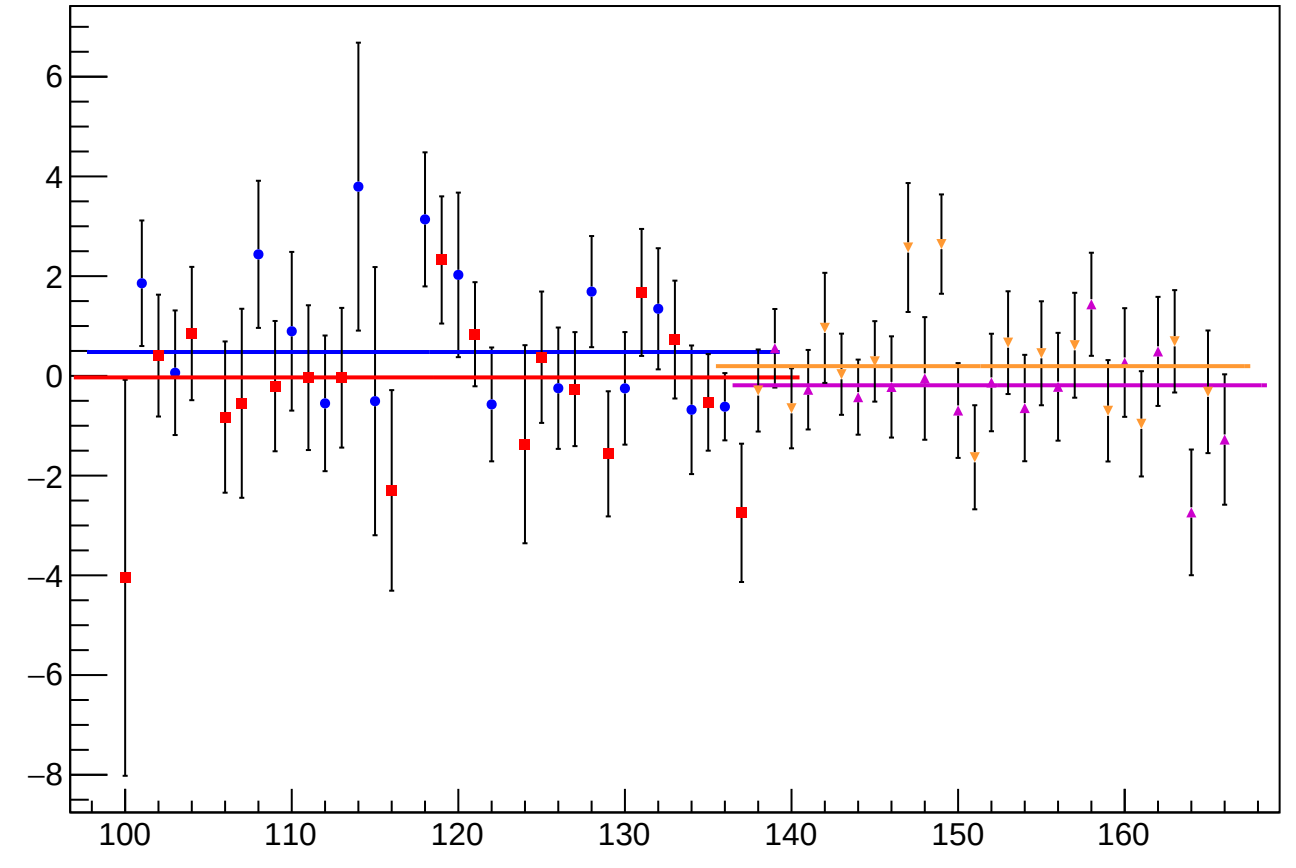
Left: 6052.592+/-0.894 χ^2/NDF: 548970.4/28

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6313.403+/-1.049 χ^2/NDF:1083856.9/29

Out: 6243.661+/-1.025 χ^2/NDF:1138715.6/33

All: 6277.718+/-0.733 χ^2/NDF: 2224835.4/63



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.195+/-0.253 χ^2/NDF:17.3/14

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.189+/-0.264 χ^2/NDF:9.3/13

Left: 0.012+/-0.183 χ^2/NDF: 27.7/28

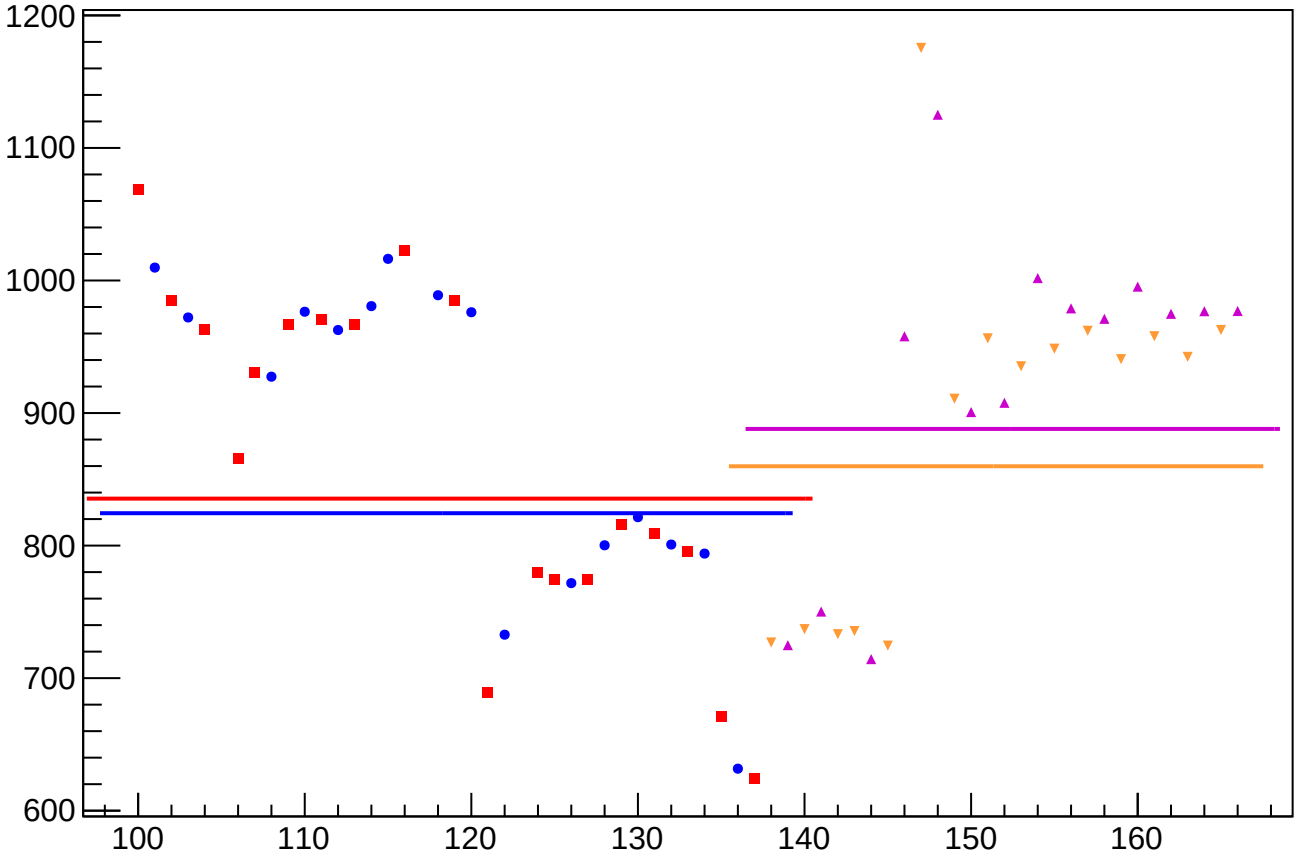
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.092+/-0.201 χ^2/NDF:28.7/29

Out: 0.105+/-0.196 χ^2/NDF:33.3/33

All: 0.098+/-0.140 χ^2/NDF: 62.0/63

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 859.846+/-0.179 χ^2/NDF:470676.6/14

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 888.017+/-0.187 χ^2/NDF:437896.6/13

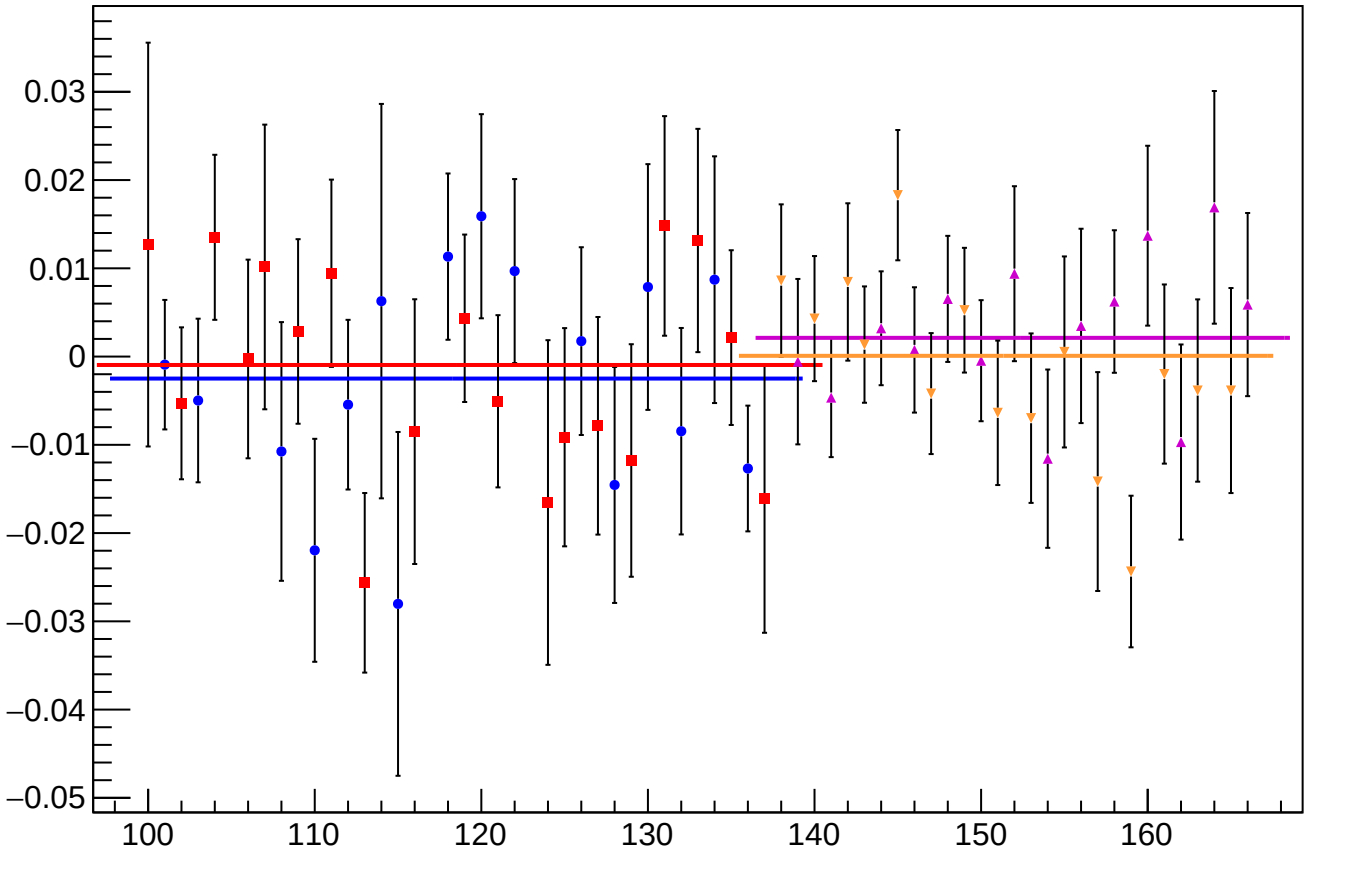
Left: 873.291+/-0.129 χ^2/NDF: 920432.7/28

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 861.308+/-0.142 χ^2/NDF:851909.6/29

Out: 850.045+/-0.138 χ^2/NDF:797470.0/33

All: 855.509+/-0.099 χ^2/NDF: 1652599.0/63



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.1/14

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:8.1/13

Left: 0.001+/-0.002 χ^2/NDF: 28.7/28

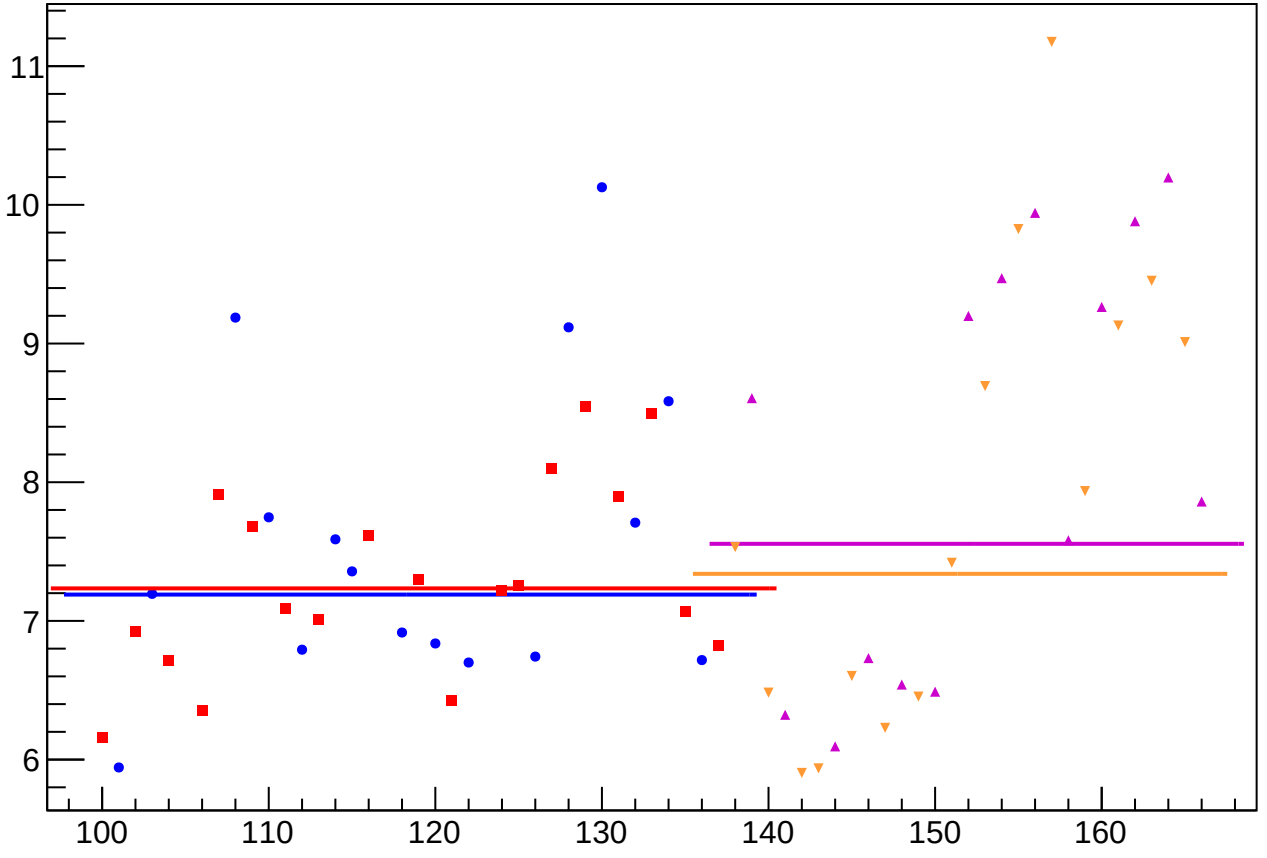
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:25.2/29

Out: -0.000+/-0.002 χ^2/NDF:37.5/33

All: -0.000+/-0.001 χ^2/NDF: 62.7/63

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.339+/-0.002 χ^2/NDF:810258.4/14

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.556+/-0.002 χ^2/NDF:757601.8/13

Left: 7.444+/-0.001 χ^2/NDF: 1577302.7/28

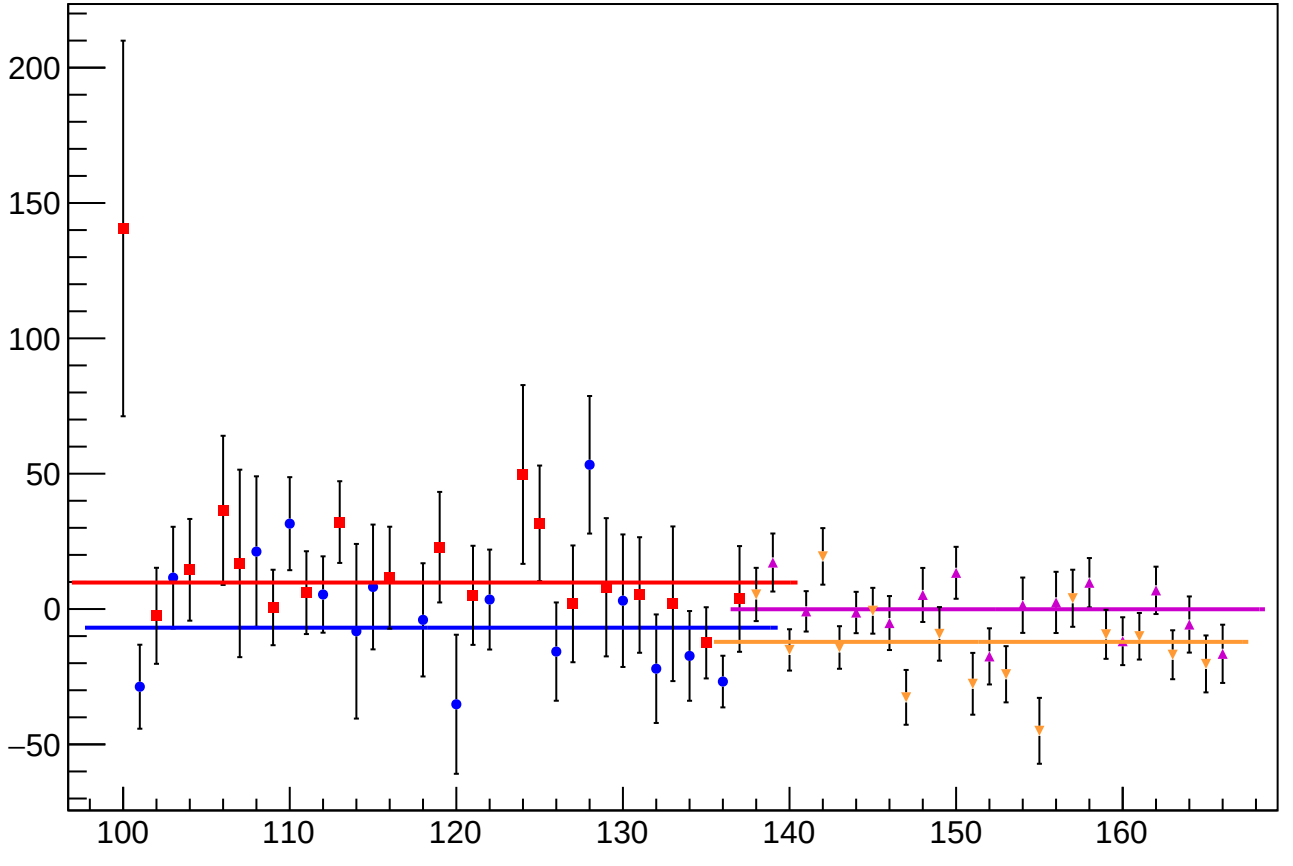
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.405+/-0.001 χ^2/NDF:1056705.8/29

Out: 7.297+/-0.001 χ^2/NDF:918385.0/33

All: 7.349+/-0.001 χ^2/NDF: 1979055.7/63

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -12.129+/-2.451 χ^2/NDF:32.4/14

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.082+/-2.522 χ^2/NDF:14.2/13

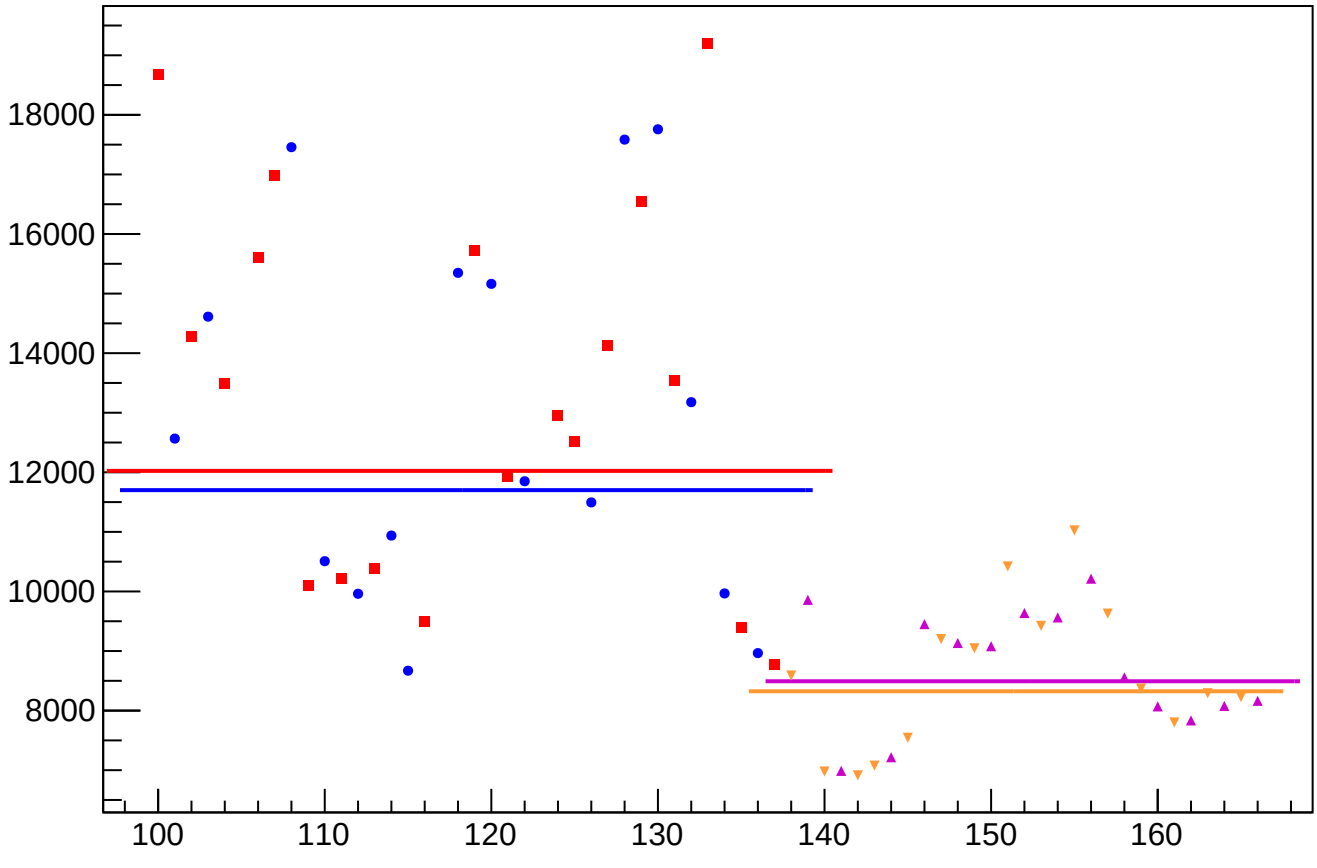
Left: -6.276+/-1.758 χ^2/NDF: 58.4/28

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.716+/-2.198 χ^2/NDF:39.0/29

Out: -7.142+/-2.155 χ^2/NDF:64.6/33

All: -4.484+/-1.539 χ^2/NDF: 106.7/63



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8324.199+/-1.733 χ^2/NDF:419650.2/14

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8492.621+/-1.783 χ^2/NDF:317547.8/13

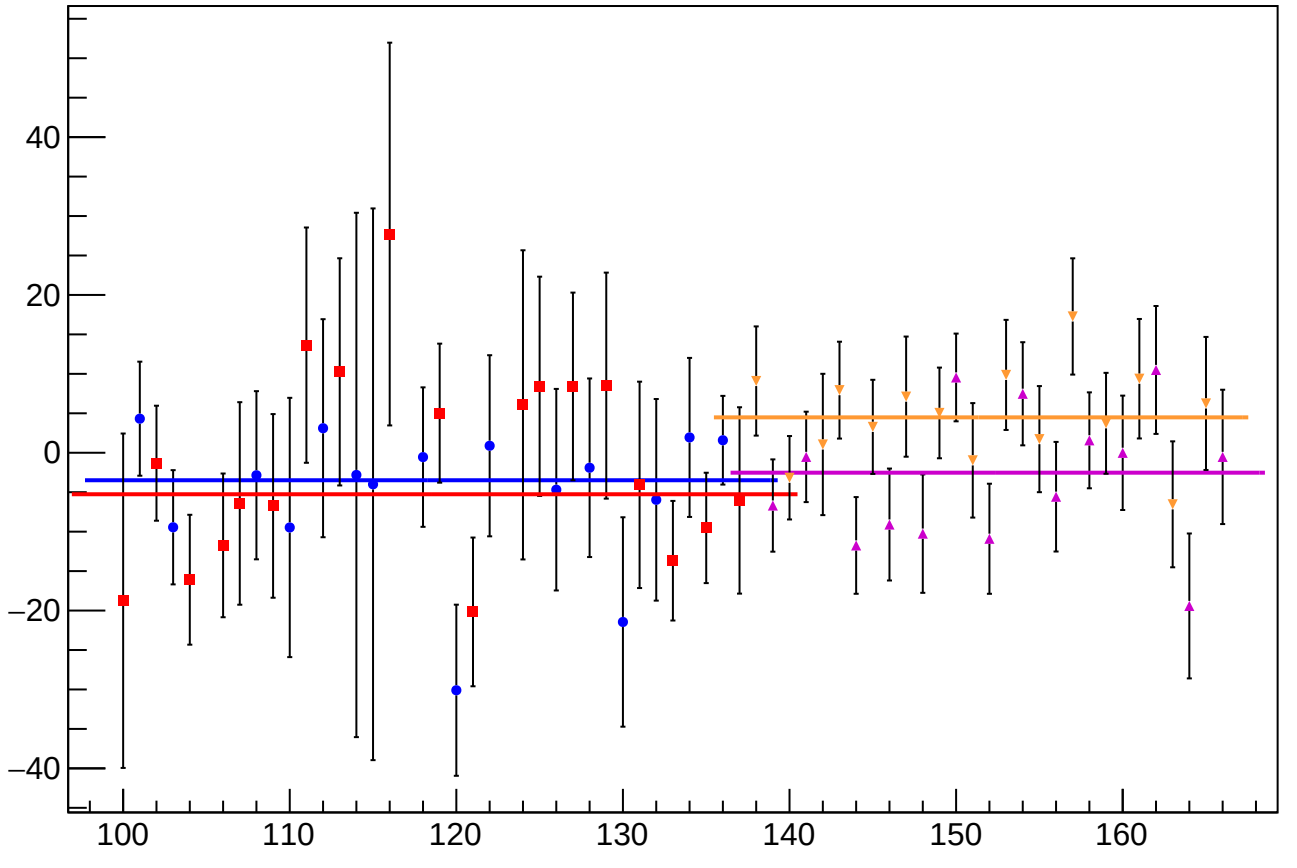
Left: 8406.030+/-1.243 χ^2/NDF: 741784.8/28

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9262.305+/-1.555 χ^2/NDF:1834306.5/29

Out: 9165.945+/-1.524 χ^2/NDF:2140963.5/33

All: 9213.154+/-1.088 χ^2/NDF: 3977229.8/63



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.484+/-1.759 χ^2/NDF:9.9/14

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.527+/-1.802 χ^2/NDF:20.1/13

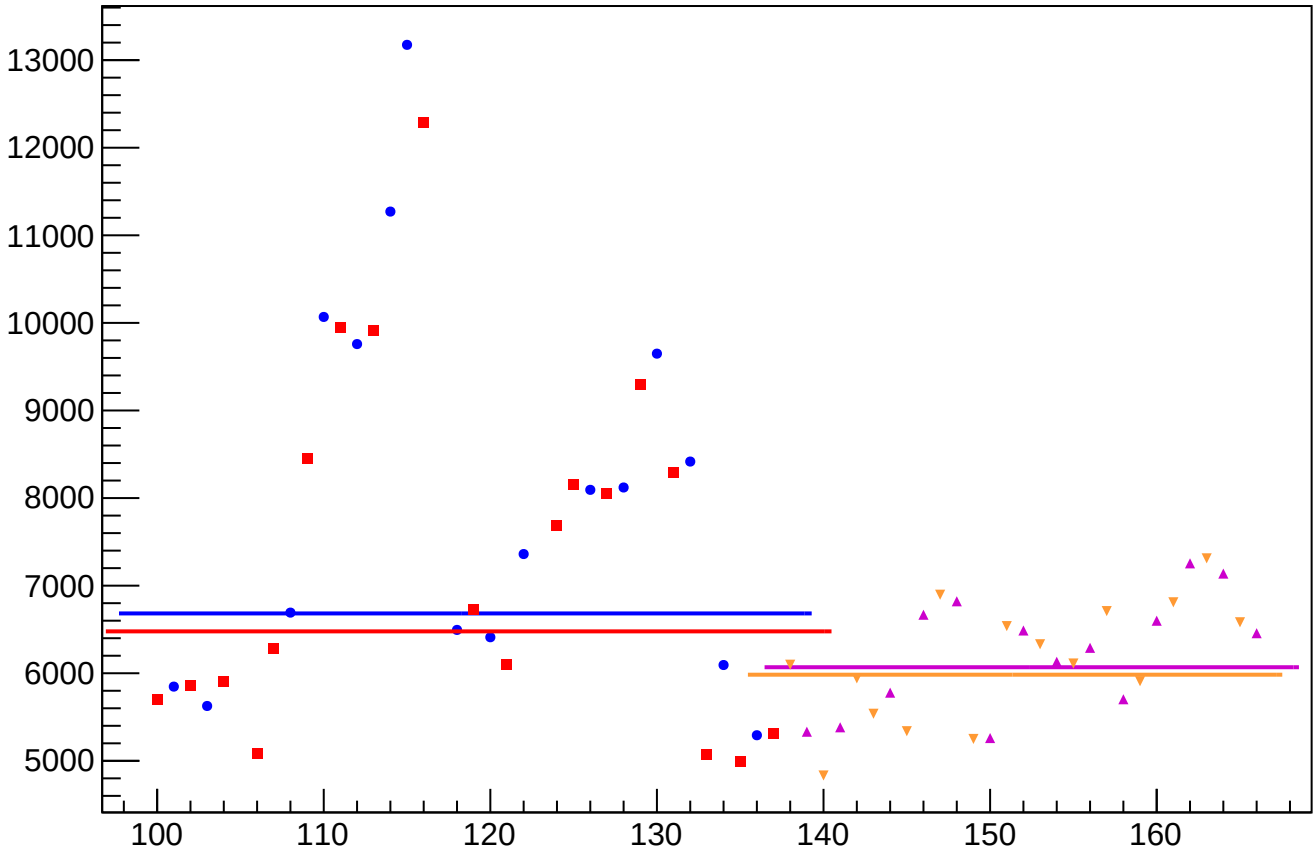
Left: 1.062+/-1.259 χ^2/NDF: 37.7/28

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.846+/-1.472 χ^2/NDF:31.7/29

Out: 1.163+/-1.428 χ^2/NDF:37.0/33

All: -0.782+/-1.025 χ^2/NDF: 72.5/63



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5983.466+/-1.244 χ^2/NDF:316997.7/14

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6068.724+/-1.274 χ^2/NDF:243069.0/13

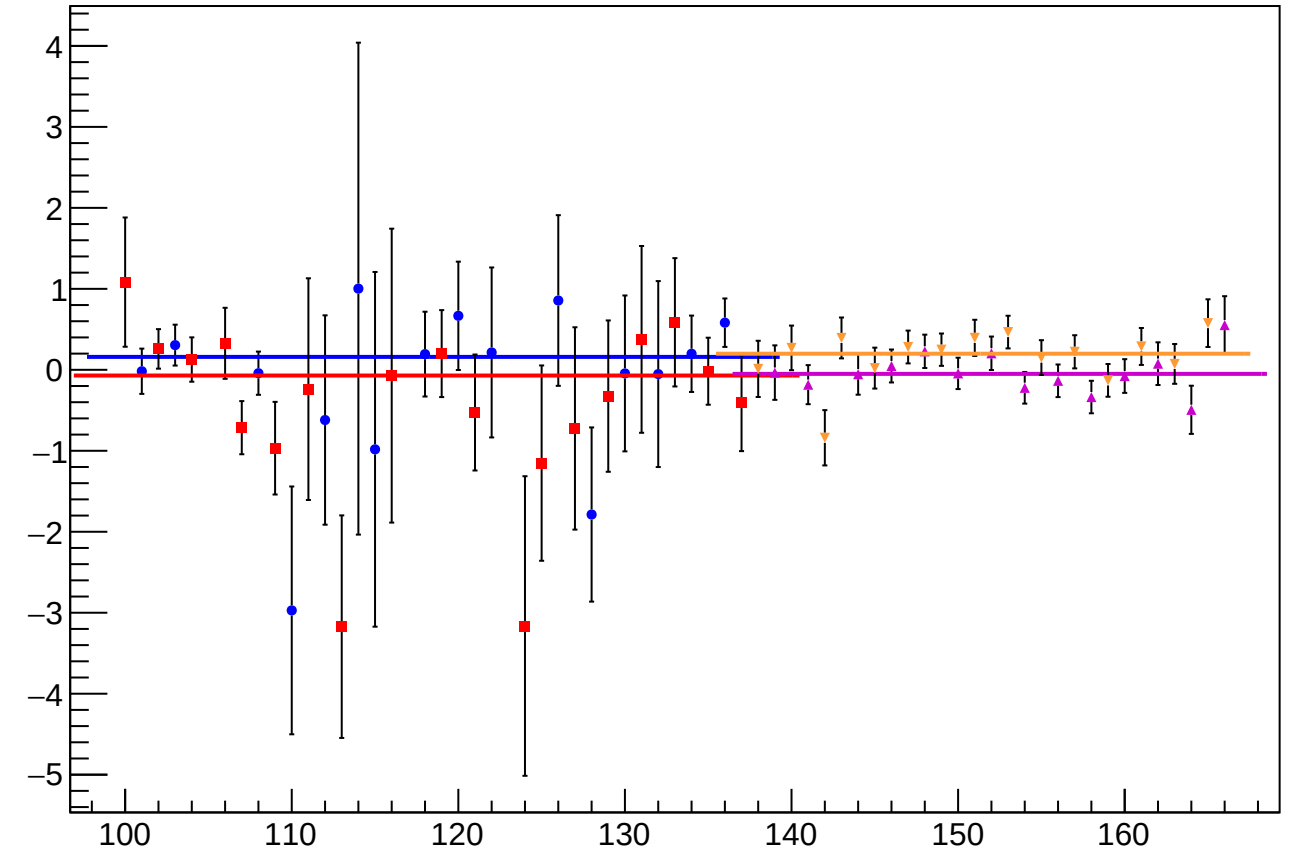
Left: 6025.078+/-0.890 χ^2/NDF: 562358.9/28

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6273.330+/-1.041 χ^2/NDF:1012688.7/29

Out: 6152.099+/-1.010 χ^2/NDF:1210120.9/33

All: 6210.911+/-0.725 χ^2/NDF: 2229799.0/63



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.199+/-0.061 χ^2/NDF:18.2/14

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.050+/-0.061 χ^2/NDF:12.2/13

Left: 0.075+/-0.043 χ^2/NDF: 38.9/28

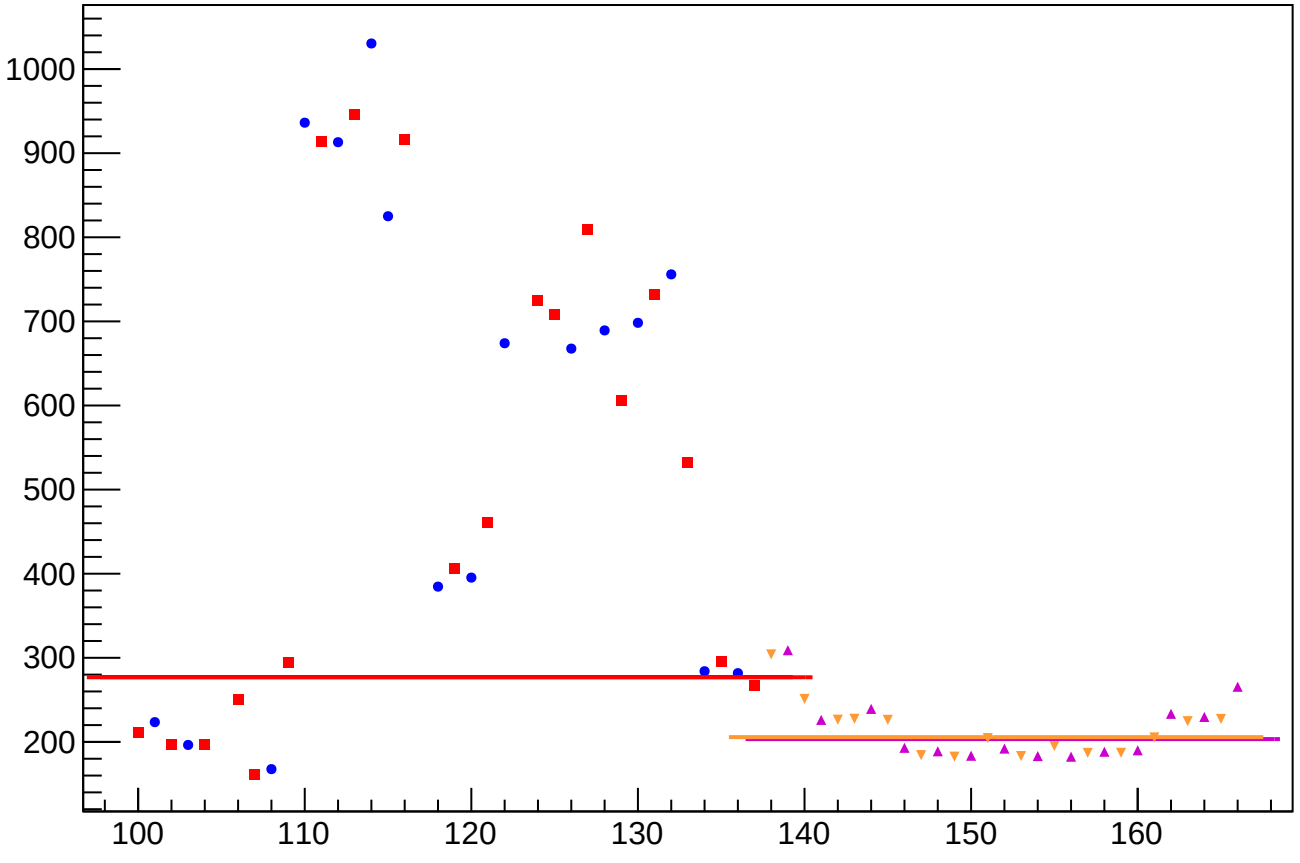
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.007+/-0.054 χ^2/NDF:27.2/29

Out: 0.144+/-0.054 χ^2/NDF:44.7/33

All: 0.068+/-0.038 χ^2/NDF: 75.8/63

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.675+/-0.043 χ^2/NDF:386223.1/14

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 203.364+/-0.043 χ^2/NDF:462646.2/13

Left: 204.522+/-0.030 χ^2/NDF: 850323.0/28

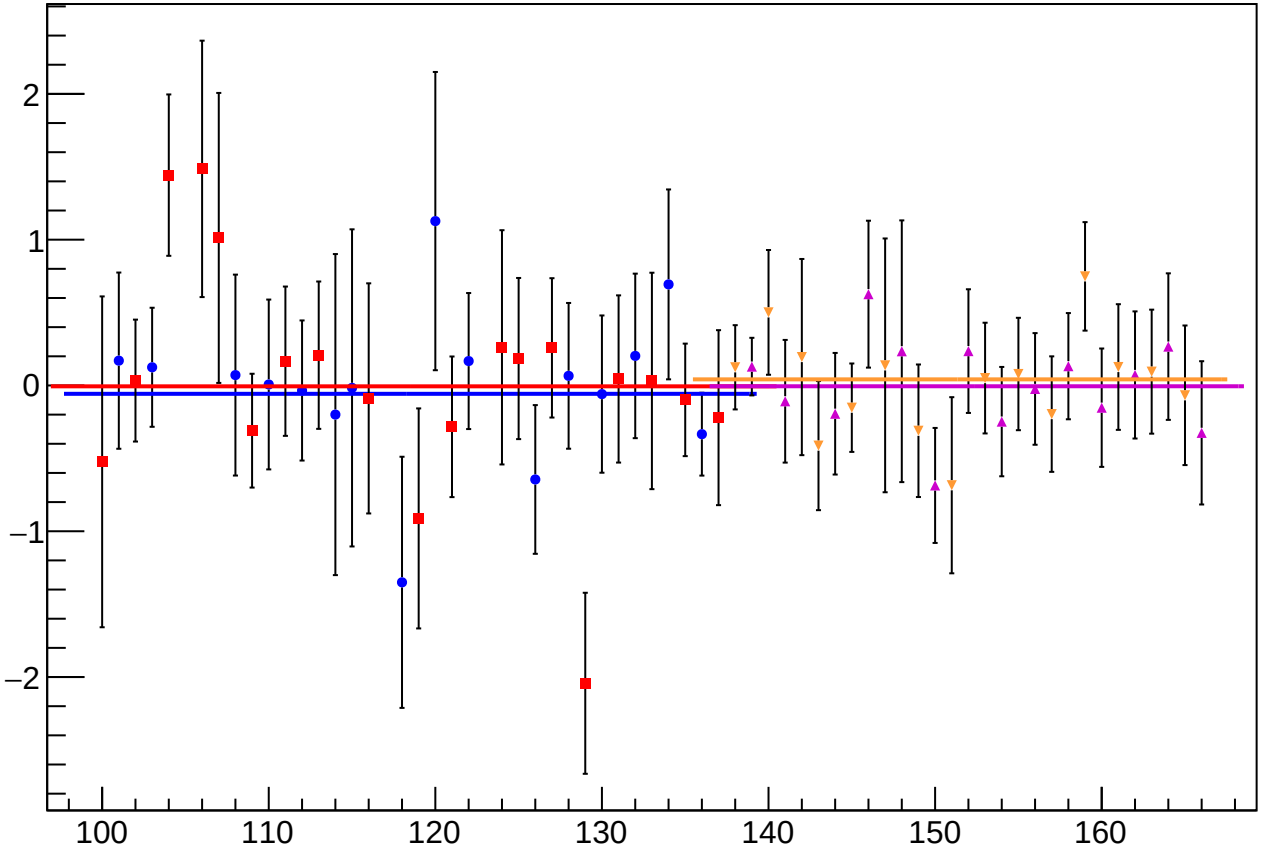
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 218.441+/-0.038 χ^2/NDF:4516587.7/29

Out: 220.178+/-0.038 χ^2/NDF:4521169.9/33

All: 219.311+/-0.027 χ^2/NDF: 9038789.8/63

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.042+/-0.107 χ^2/NDF:8.9/14

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.005+/-0.103 χ^2/NDF:7.1/13

Left: 0.017+/-0.074 χ^2/NDF: 16.1/28

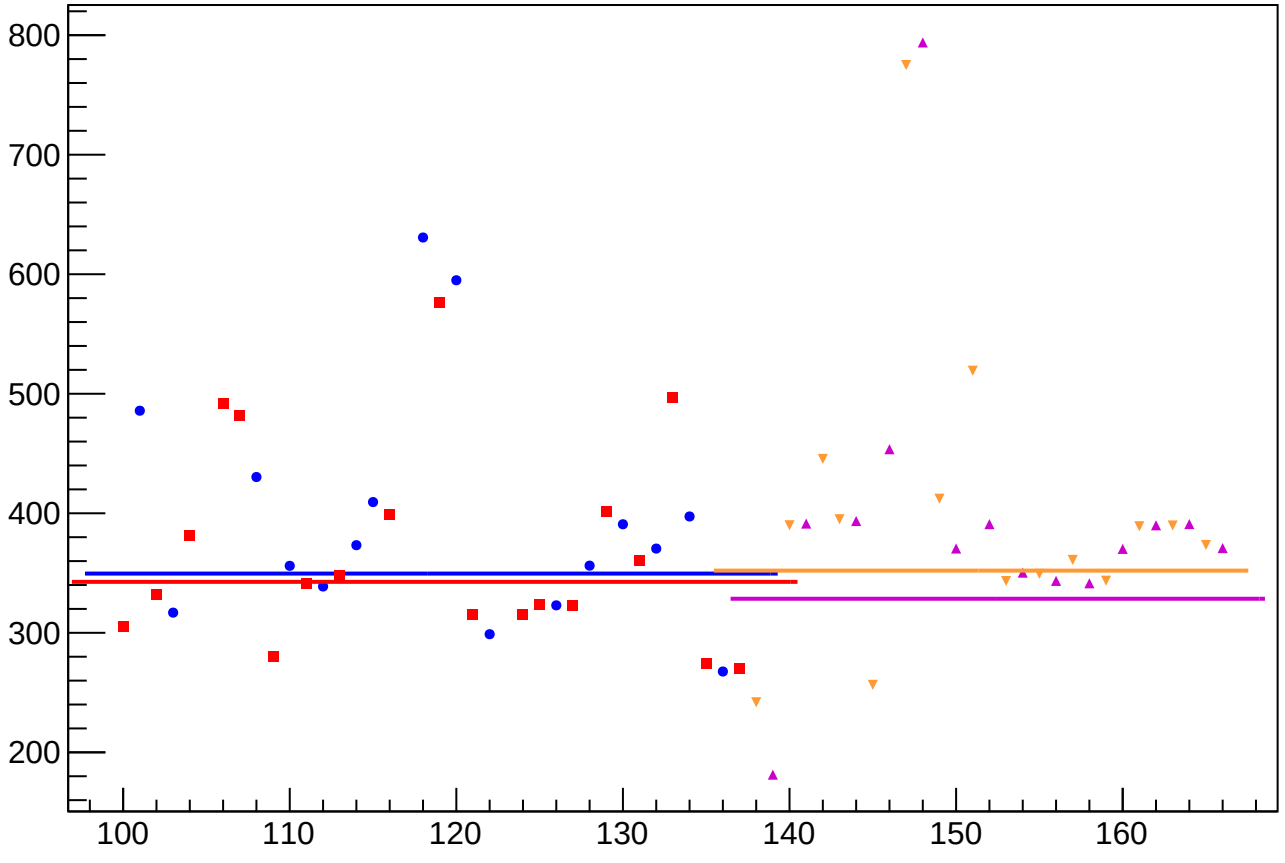
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.025+/-0.081 χ^2/NDF:15.3/29

Out: 0.022+/-0.082 χ^2/NDF:34.1/33

All: -0.001+/-0.058 χ^2/NDF: 49.6/63

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.048+/-0.076 χ^2/NDF:1260678.4/14

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 328.499+/-0.073 χ^2/NDF:2049299.2/13

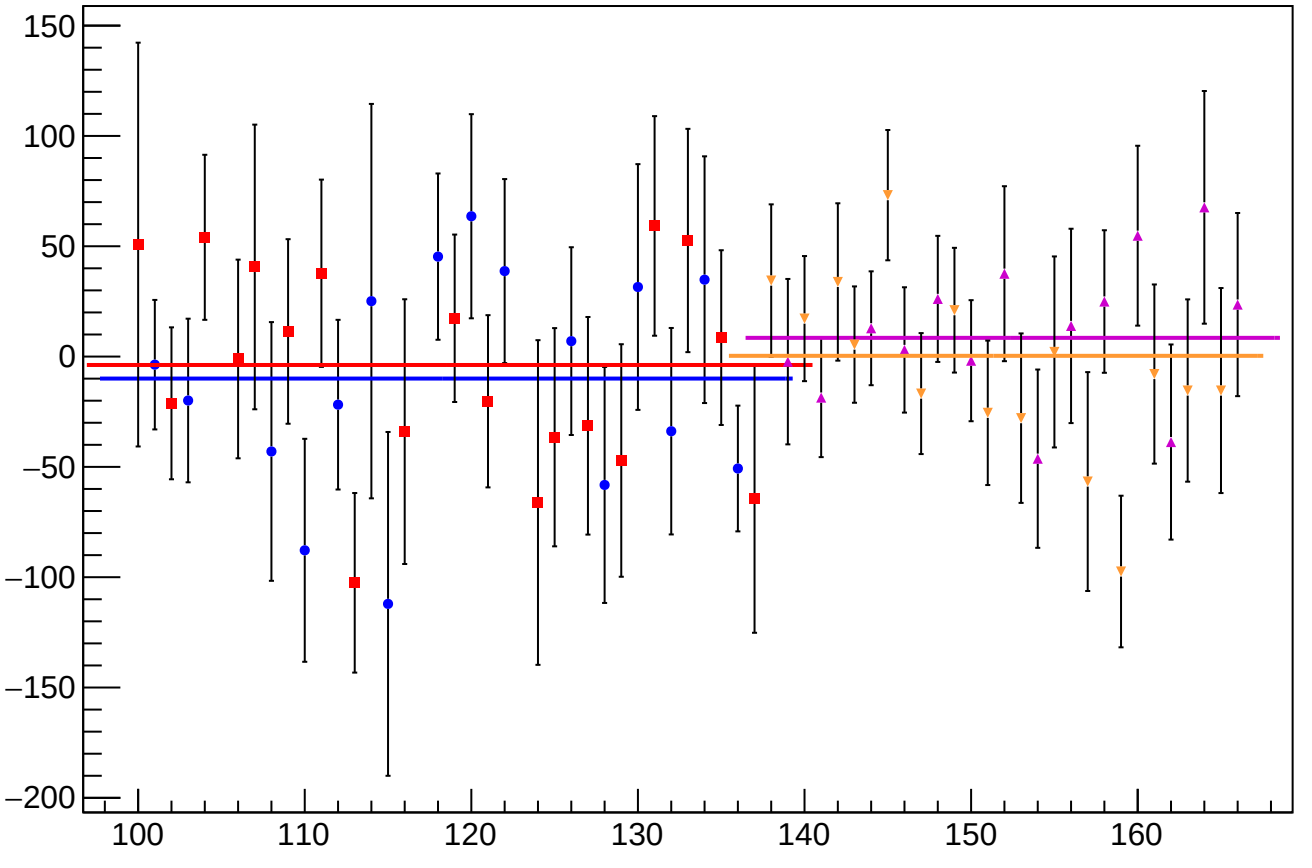
Left: 339.754+/-0.052 χ^2/NDF: 3360380.9/28

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.293+/-0.058 χ^2/NDF:2779817.2/29

Out: 348.204+/-0.058 χ^2/NDF:1842733.6/33

All: 342.174+/-0.041 χ^2/NDF: 4643698.0/63



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

Left: 4.261+/-6.294 χ^2/NDF: 28.7/28

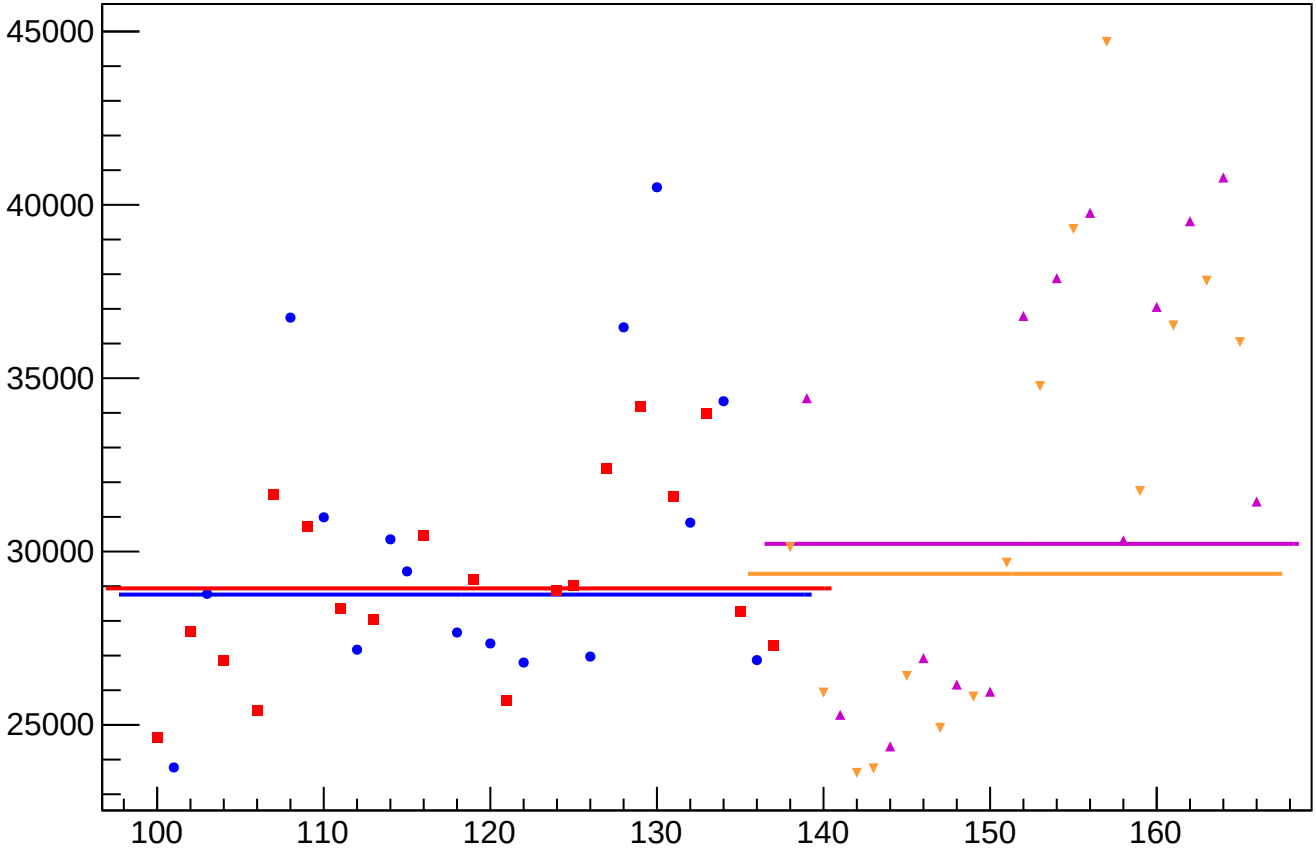
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.259+/-4.845 χ^2/NDF: 62.7/63

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30223.044+/-6.414 χ^2/NDF:757601.8/13

Left: 29774.258+/-4.450 χ^2/NDF: 1577302.7/28

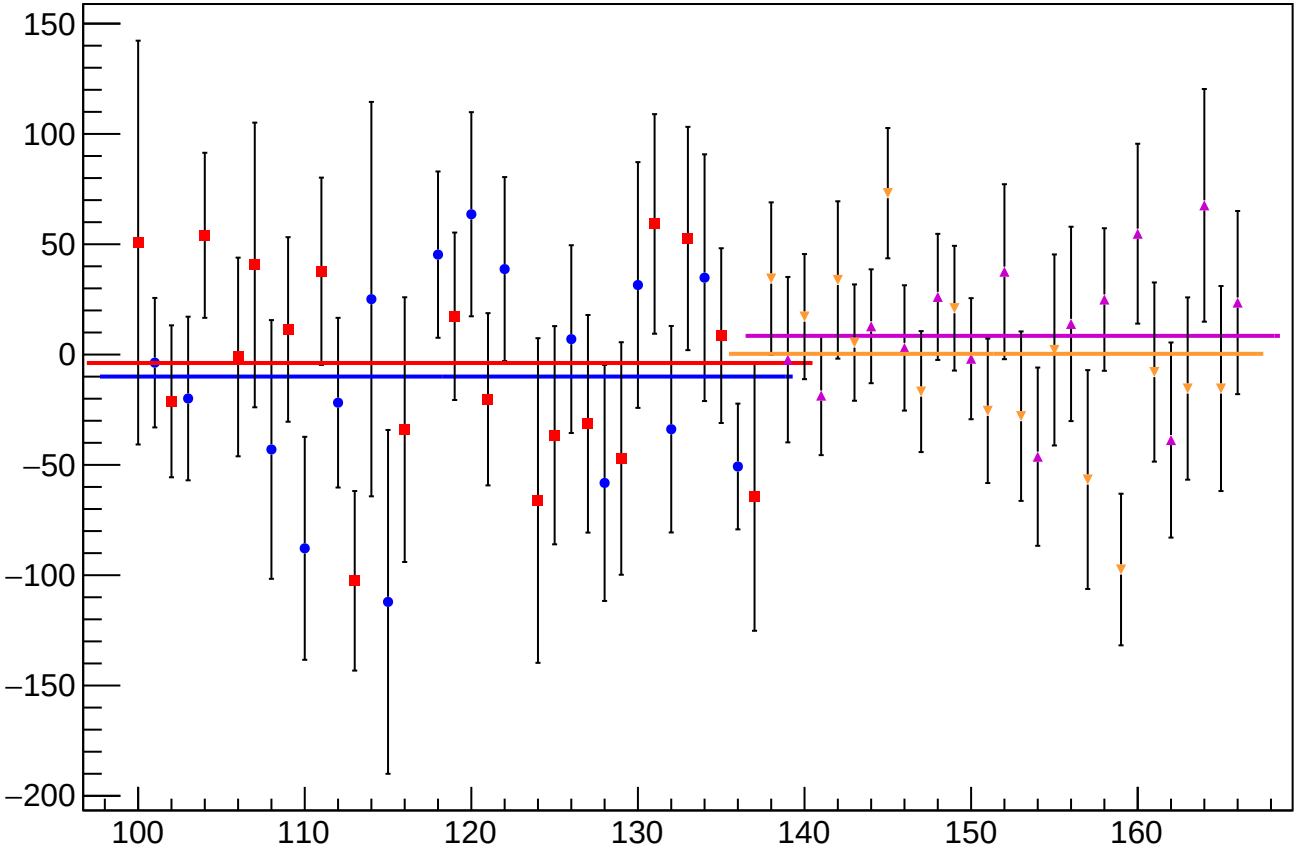
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29619.915+/-4.918 χ^2/NDF:1056705.8/29

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29397.719+/-3.426 χ^2/NDF: 1979055.7/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

Left: 4.261+/-6.294 χ^2/NDF: 28.7/28

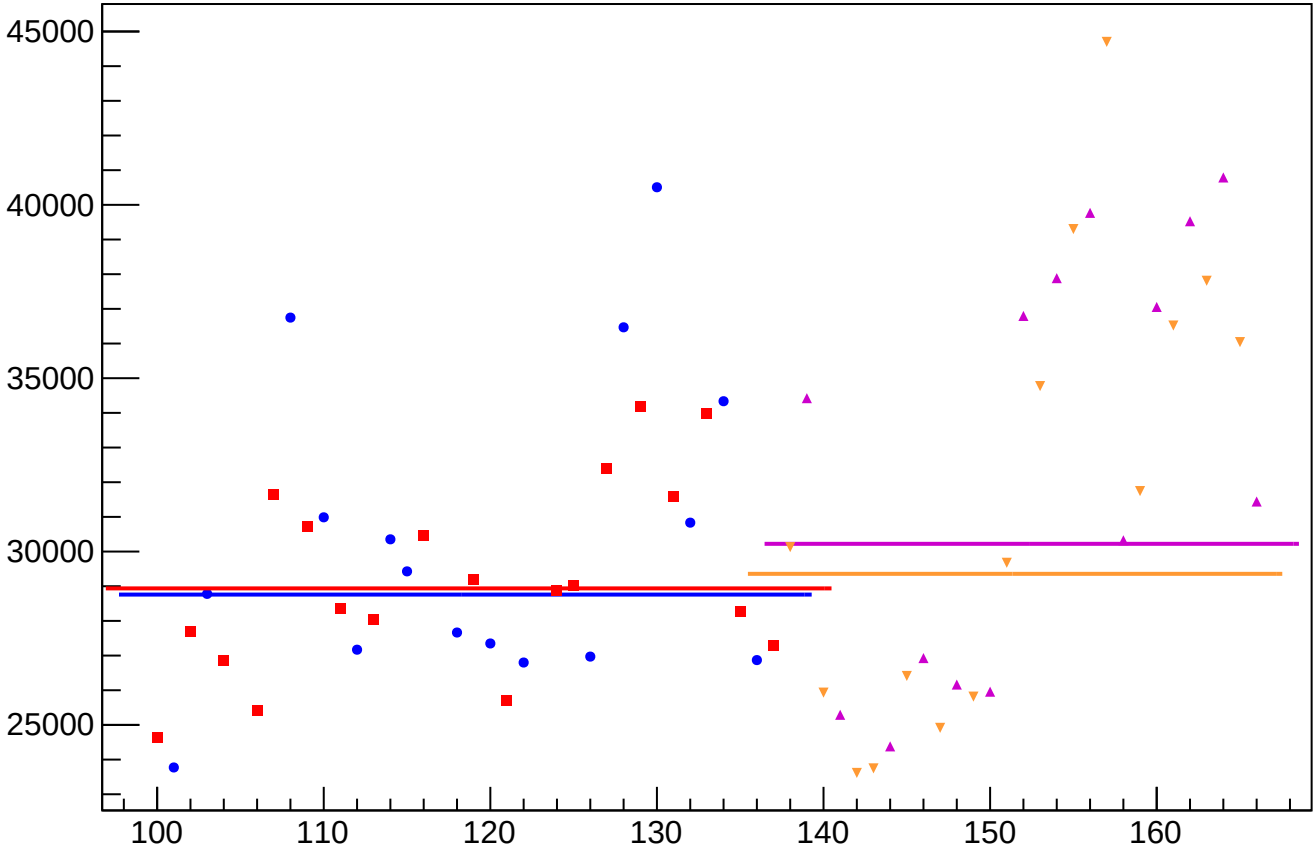
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.259+/-4.845 χ^2/NDF: 62.7/63

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30223.044+/-6.414 χ^2/NDF:757601.8/13

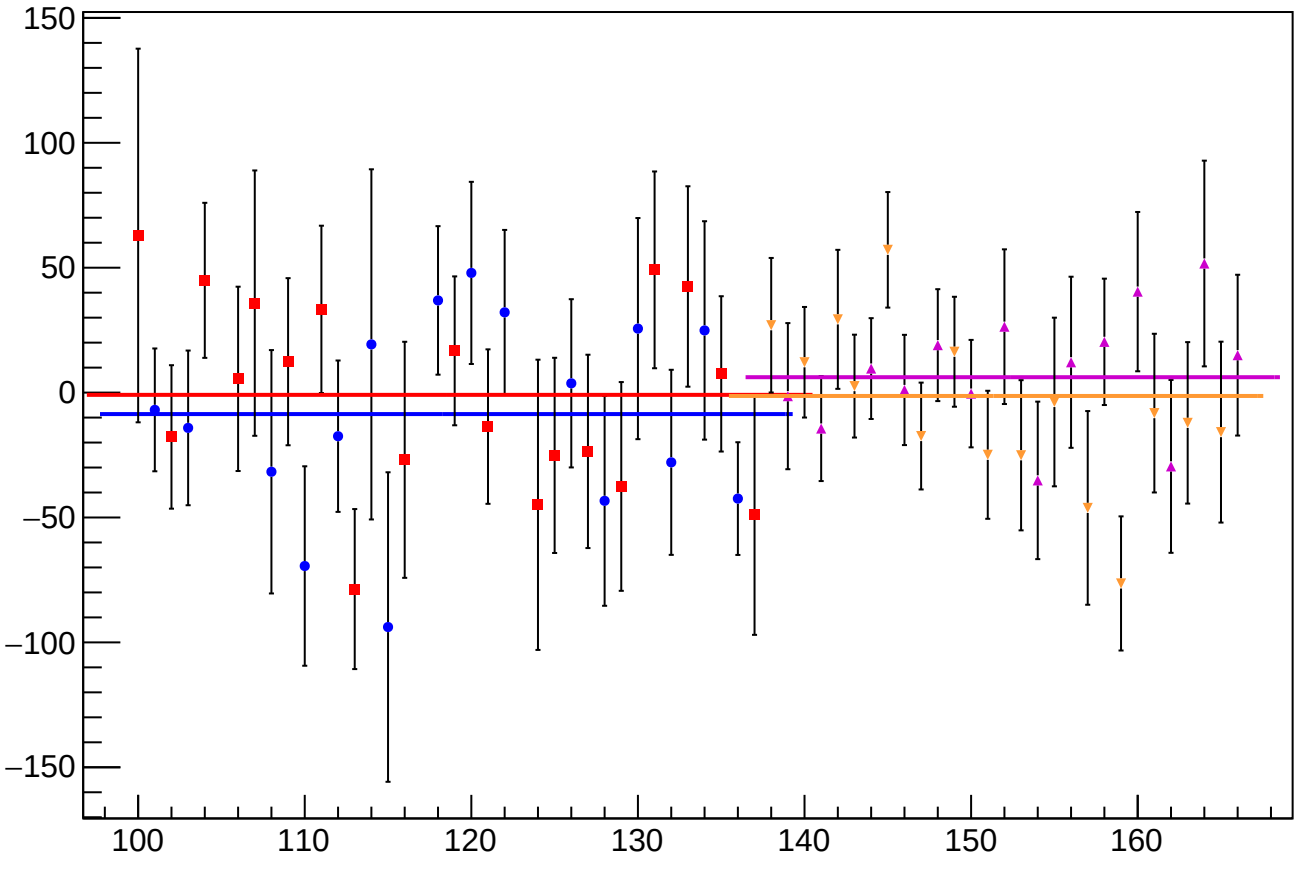
Left: 29774.258+/-4.450 χ^2/NDF: 1577302.7/28

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29619.915+/-4.918 χ^2/NDF:1056705.8/29

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29397.719+/-3.426 χ^2/NDF: 1979055.7/6



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.346+/-6.826 χ^2/NDF:21.3/14

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 6.164+/-7.083 χ^2/NDF:7.5/13

Left: 2.270+/-4.915 χ^2/NDF: 29.4/28

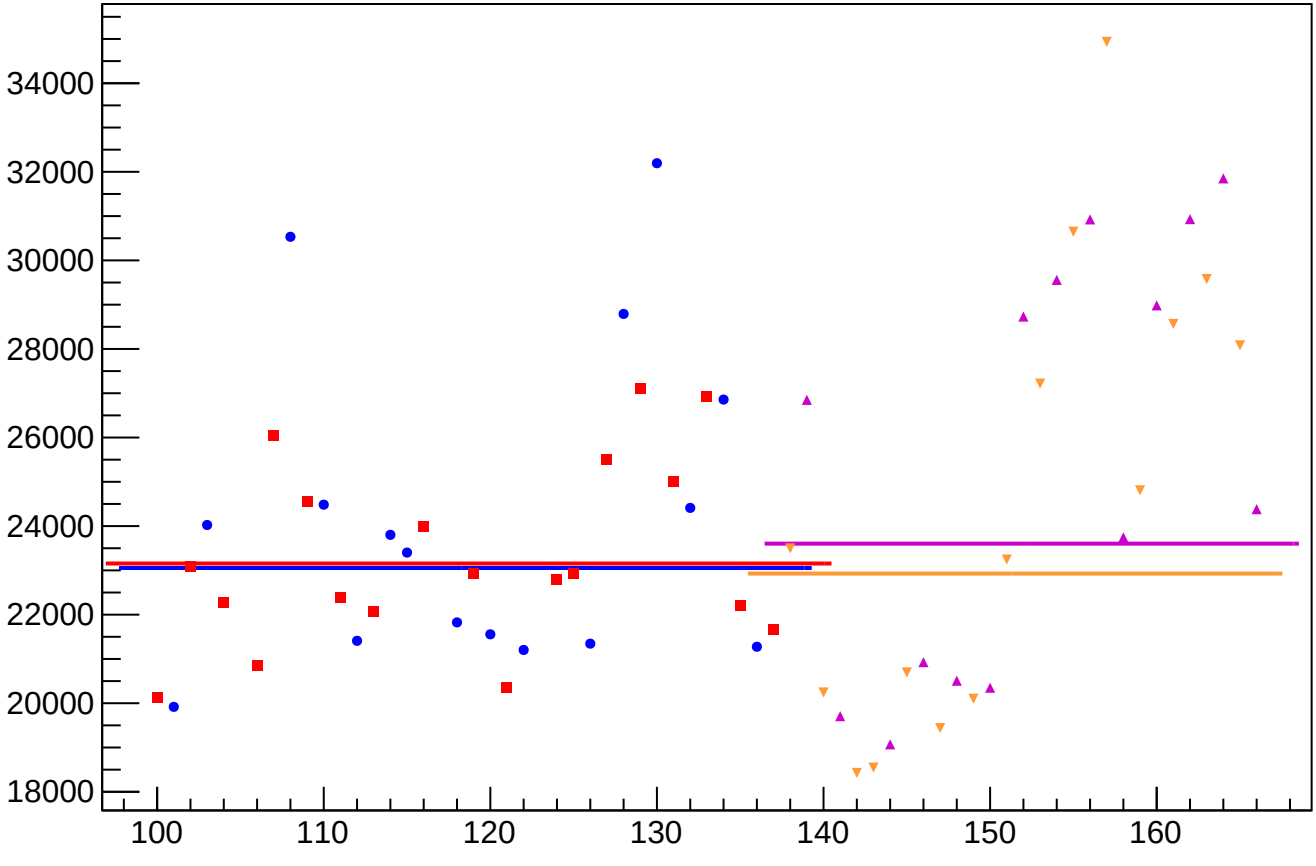
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: 0.261+/-5.488 χ^2/NDF:24.8/29

Out: -1.173+/-5.324 χ^2/NDF:38.9/33

All: -0.478+/-3.821 χ^2/NDF: 63.7/63

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22927.973+/-4.827 χ^2/NDF:813474.8/14

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 23603.777+/-5.009 χ^2/NDF:753203.7/13

Left: 23253.391+/-3.476 χ^2/NDF: 1576117.4/28

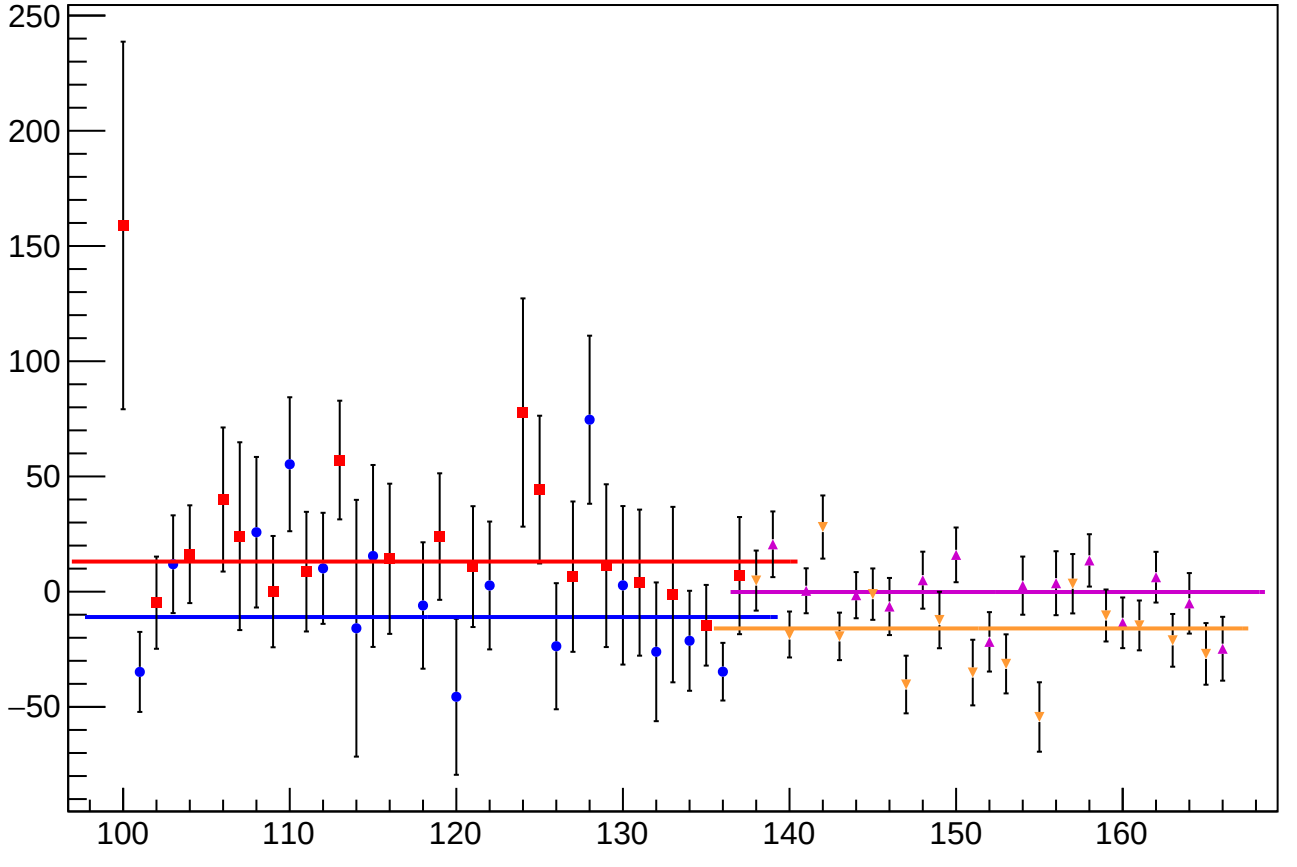
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23383.926+/-3.880 χ^2/NDF:1019467.4/29

Out: 23017.010+/-3.765 χ^2/NDF:908237.4/33

All: 23194.914+/-2.702 χ^2/NDF: 1932310.9/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.953+/-3.118 χ^2/NDF:31.9/14

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: -0.144+/-3.189 χ^2/NDF:13.9/13

Left: -8.228+/-2.229 χ^2/NDF: 58.3/28

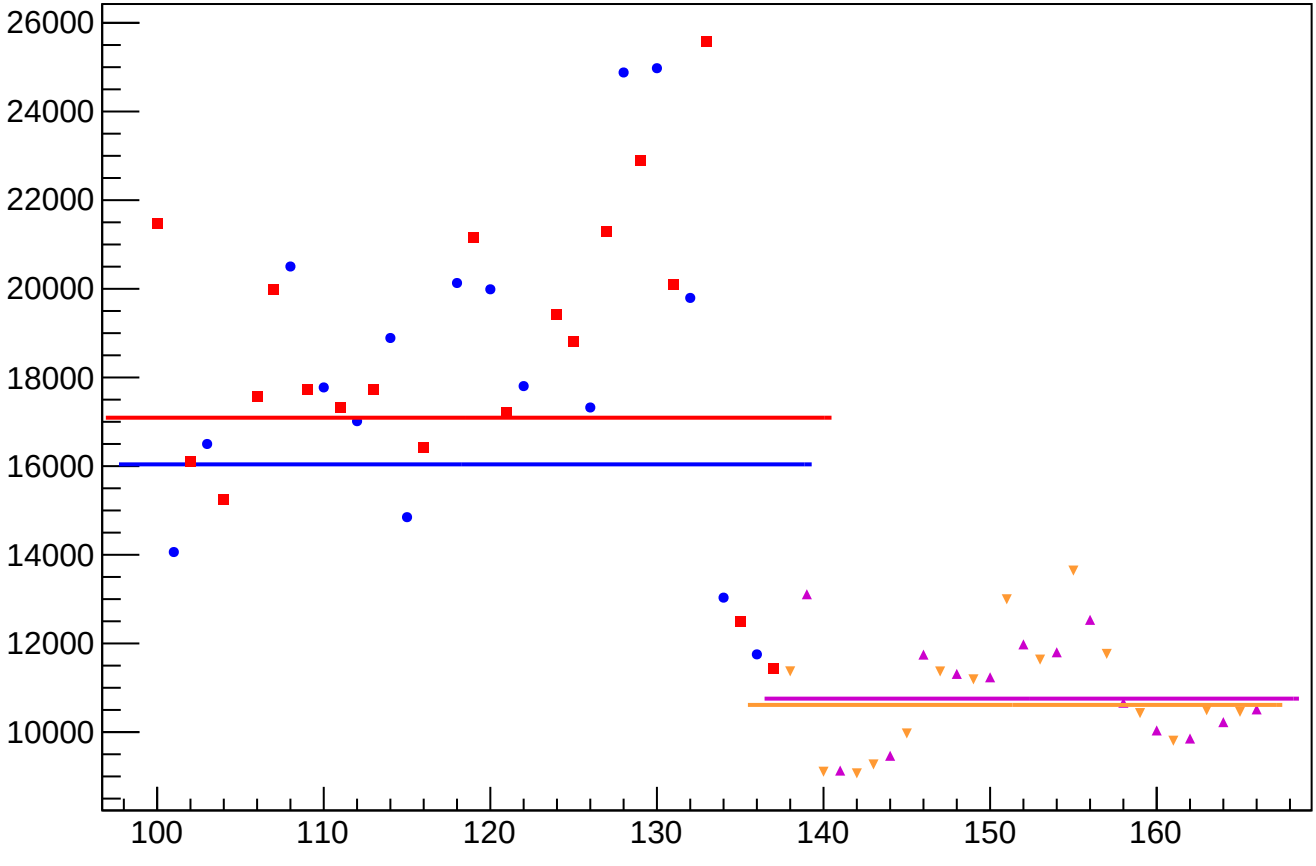
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.442+/-2.832 χ^2/NDF:38.4/29

Out: -10.361+/-2.801 χ^2/NDF:62.4/33

All: -6.444+/-1.991 χ^2/NDF: 104.8/63

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10613.483+/-2.205 χ^2/NDF:307908.1/14

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10755.127+/-2.255 χ^2/NDF:253743.7/13

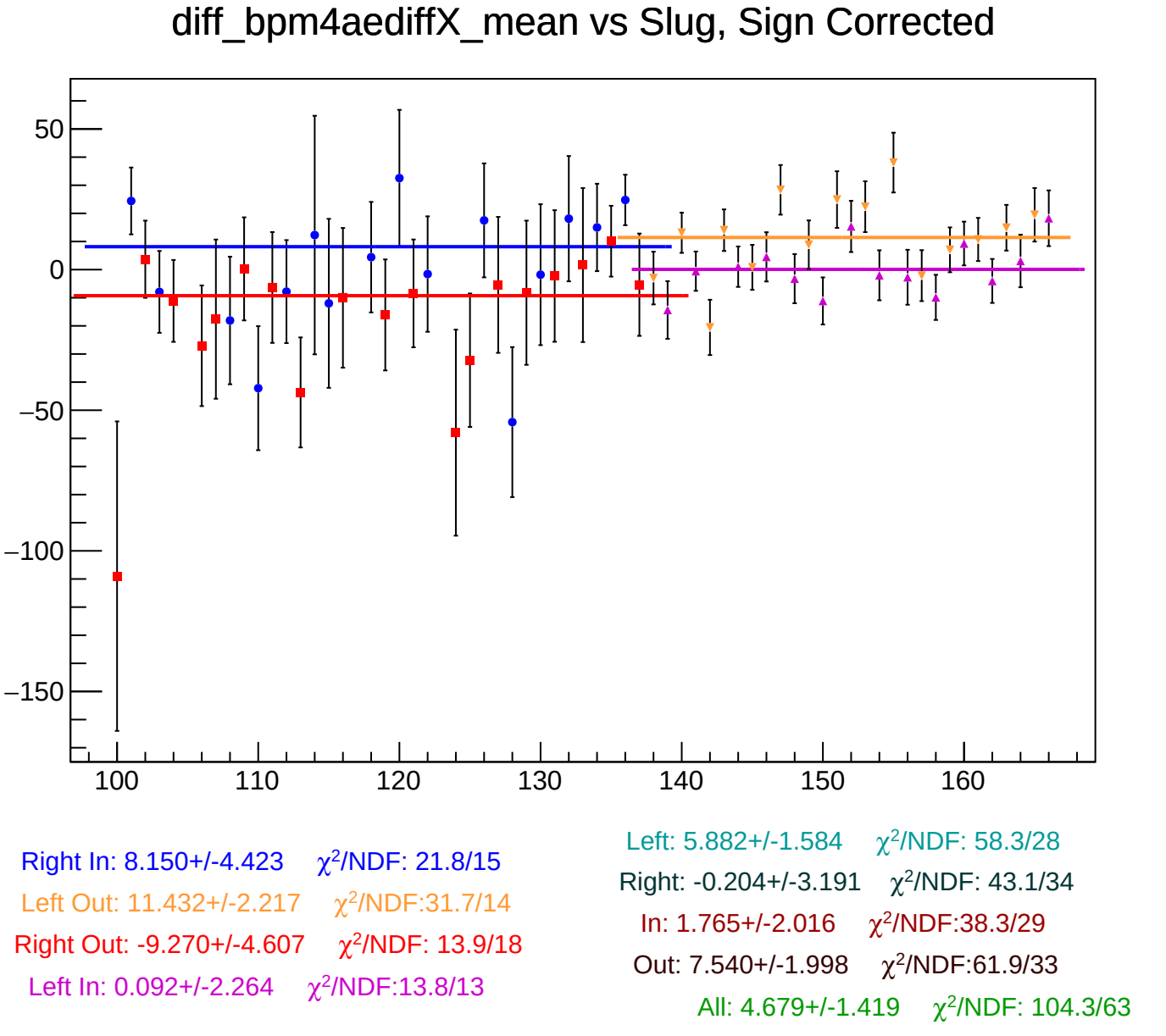
Left: 10682.695+/-1.576 χ^2/NDF: 563669.0/28

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

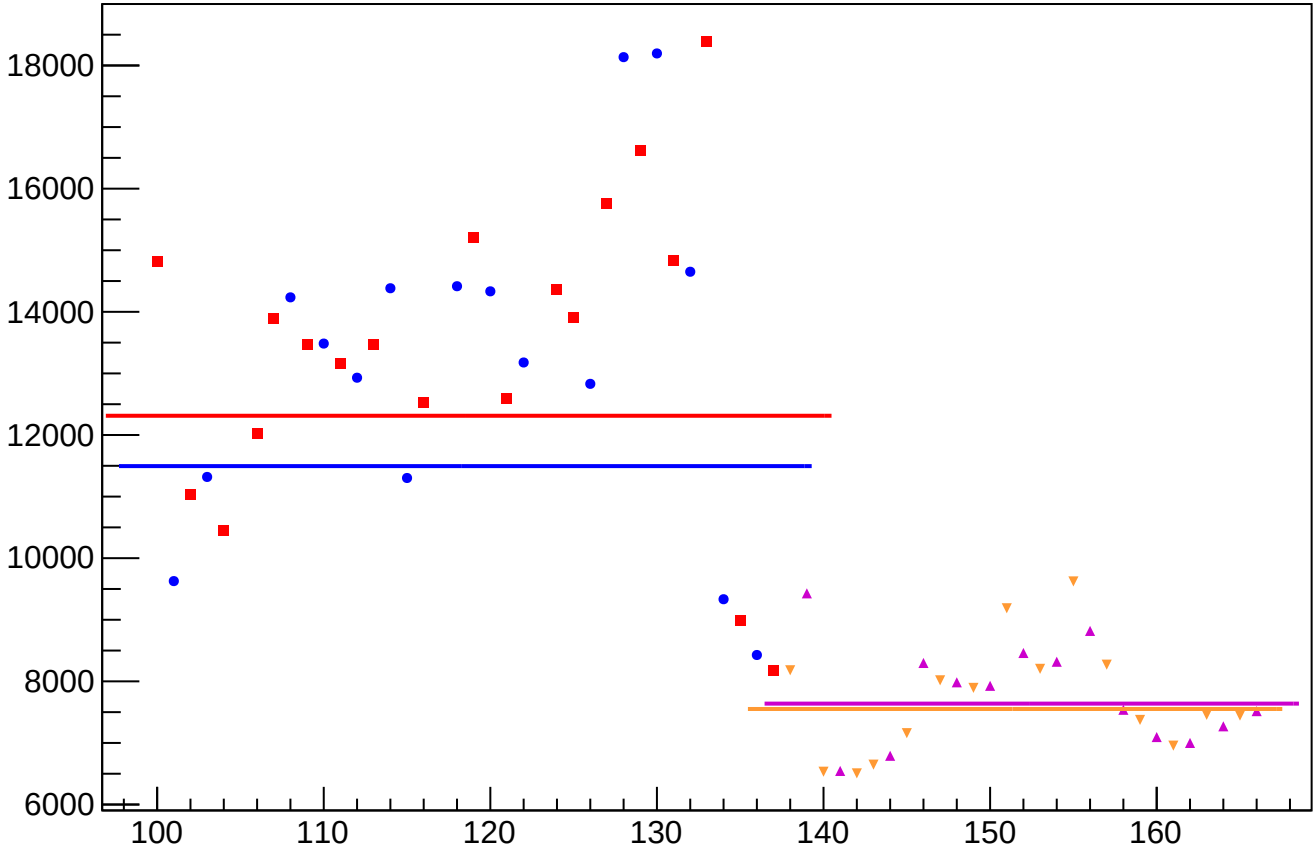
In: 11873.804+/-2.002 χ^2/NDF:2138867.2/29

Out: 11861.805+/-1.981 χ^2/NDF:2507634.9/33

All: 11867.740+/-1.408 χ^2/NDF: 4646520.3/6


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 11.432+/-2.217 χ²/NDF:31.7/14
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: 0.092+/-2.264 χ²/NDF:13.8/13
Left: 5.882+/-1.584 χ²/NDF: 58.3/28
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 1.765+/-2.016 χ²/NDF:38.3/29
Out: 7.540+/-1.998 χ²/NDF:61.9/33
All: 4.679+/-1.419 χ²/NDF: 104.3/63

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7551.337+/-1.567 χ^2/NDF:280968.5/14

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7638.528+/-1.601 χ^2/NDF:238597.9/13

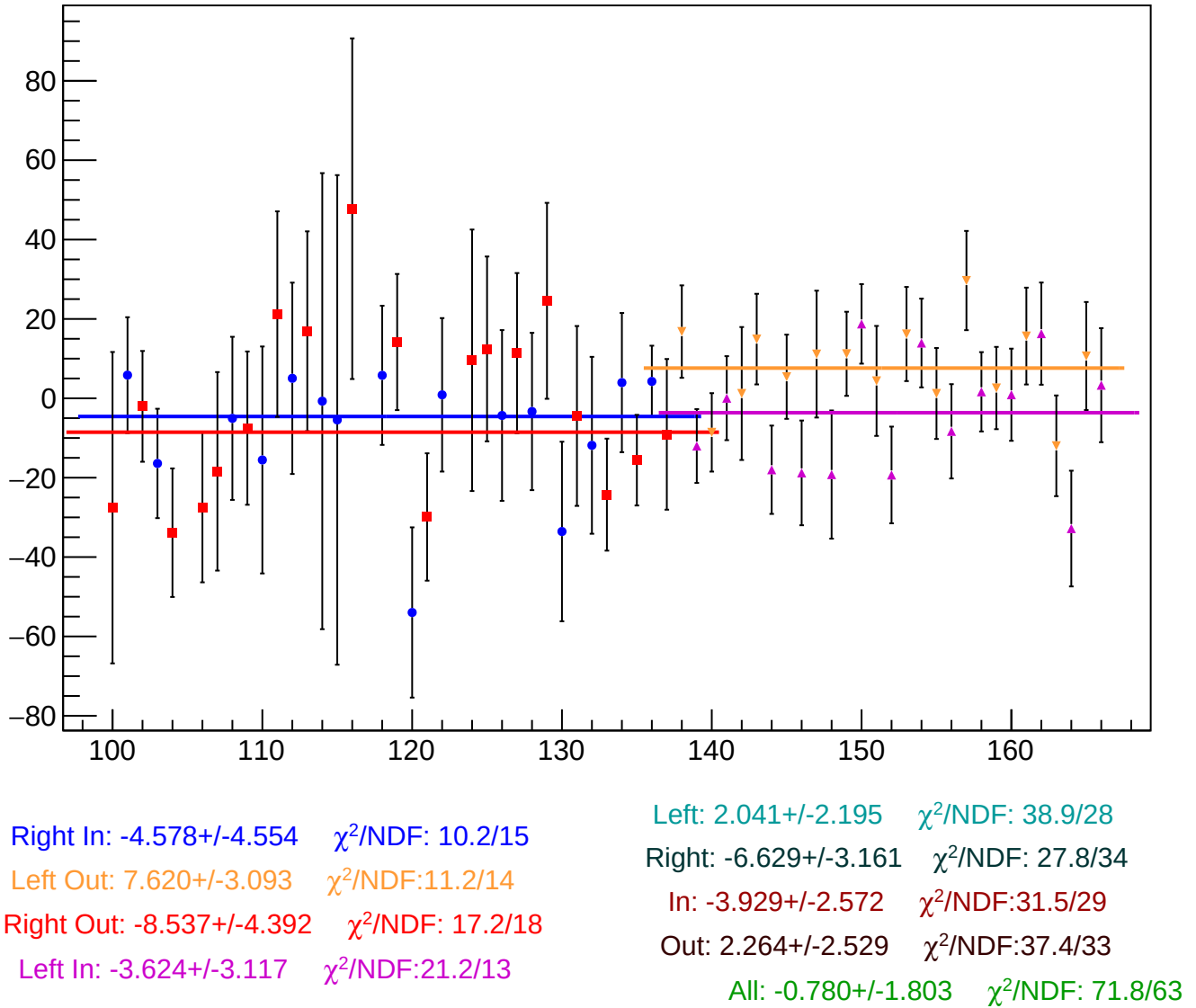
Left: 7594.005+/-1.120 χ^2/NDF: 521080.6/28

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

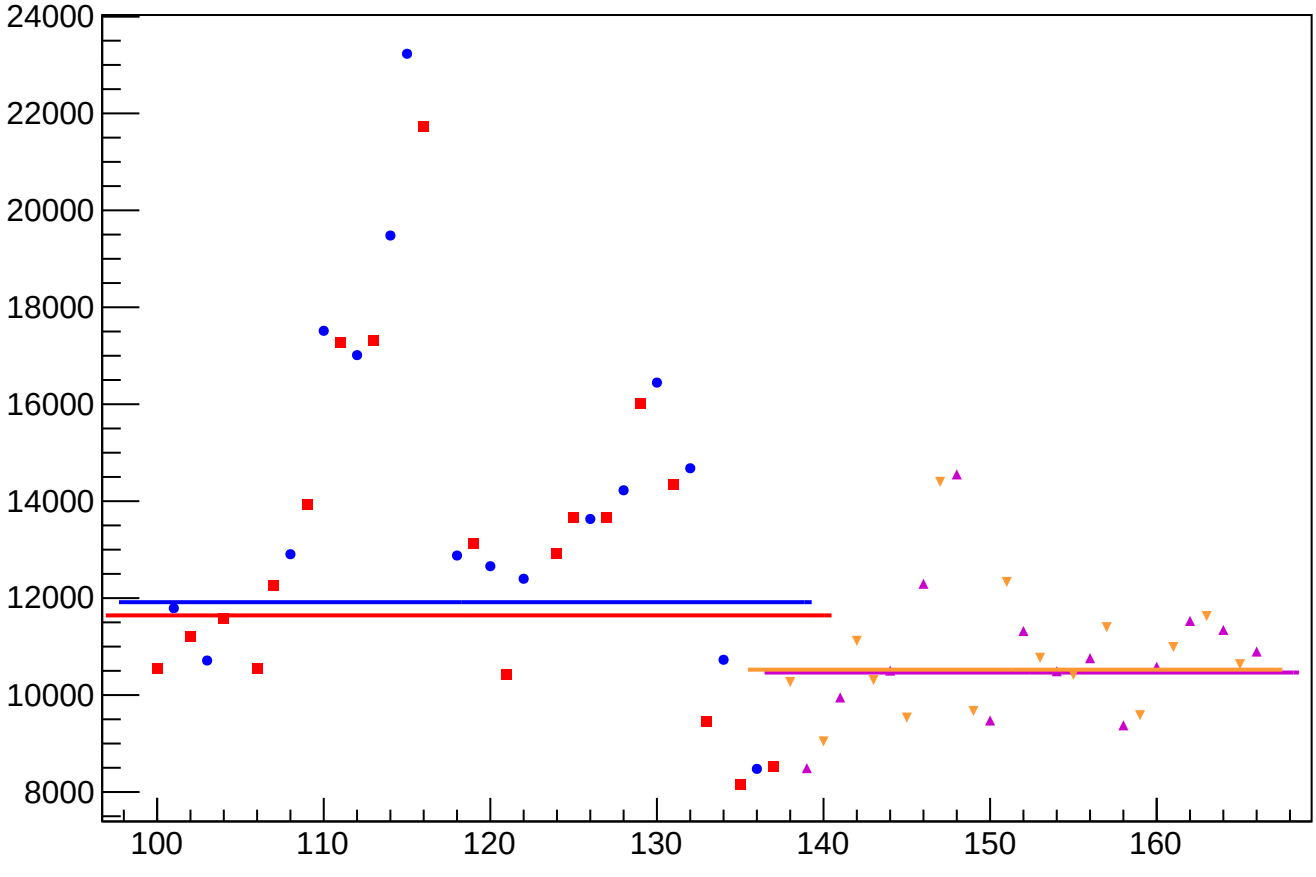
In: 8439.466+/-1.425 χ^2/NDF:2233344.1/29

Out: 8446.384+/-1.412 χ^2/NDF:2614155.3/33

All: 8442.956+/-1.003 χ^2/NDF: 4847511.2/63


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 7.620+/-3.093 χ²/NDF:11.2/14
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -3.624+/-3.117 χ²/NDF:21.2/13
Left: 2.041+/-2.195 χ²/NDF: 38.9/28
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -3.929+/-2.572 χ²/NDF:31.5/29
Out: 2.264+/-2.529 χ²/NDF:37.4/33
All: -0.780+/-1.803 χ²/NDF: 71.8/63

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10524.333+/-2.187 χ^2/NDF:276643.6/14

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10464.960+/-2.204 χ^2/NDF:338748.1/13

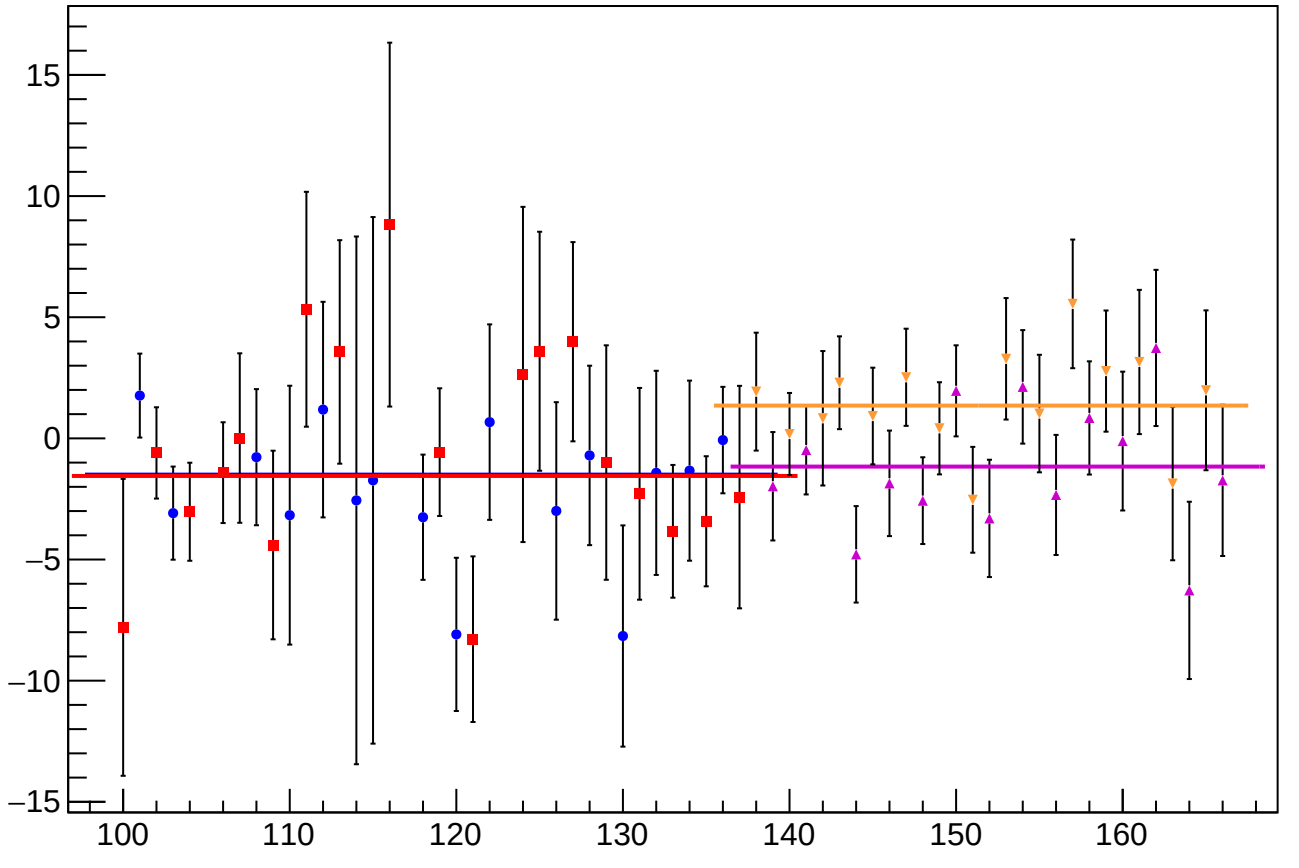
Left: 10494.872+/-1.552 χ^2/NDF: 615757.4/28

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10927.907+/-1.819 χ^2/NDF:1226871.3/29

Out: 10895.379+/-1.788 χ^2/NDF:1153825.7/33

All: 10911.369+/-1.275 χ^2/NDF: 2380859.7/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.353+/-0.593 χ^2/NDF:9.5/14

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.165+/-0.614 χ^2/NDF:15.2/13

Left: 0.138+/-0.427 χ^2/NDF: 33.4/28

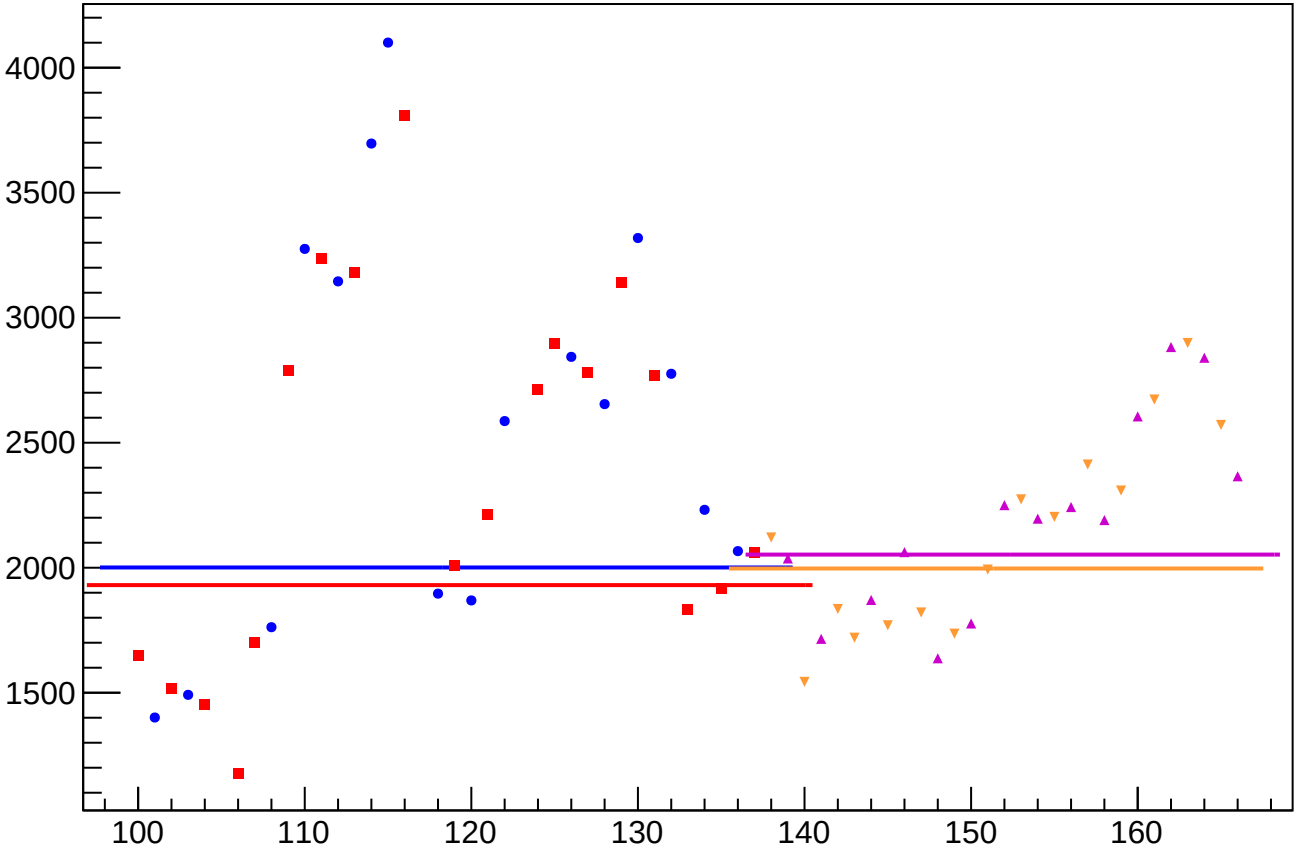
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.292+/-0.482 χ^2/NDF:27.9/29

Out: 0.226+/-0.464 χ^2/NDF:35.1/33

All: -0.504+/-0.334 χ^2/NDF: 68.1/63

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1996.870+/-0.420 χ^2/NDF:720854.6/14

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2052.502+/-0.434 χ^2/NDF:594159.9/13

Left: 2023.718+/-0.302 χ^2/NDF: 1323501.4/28

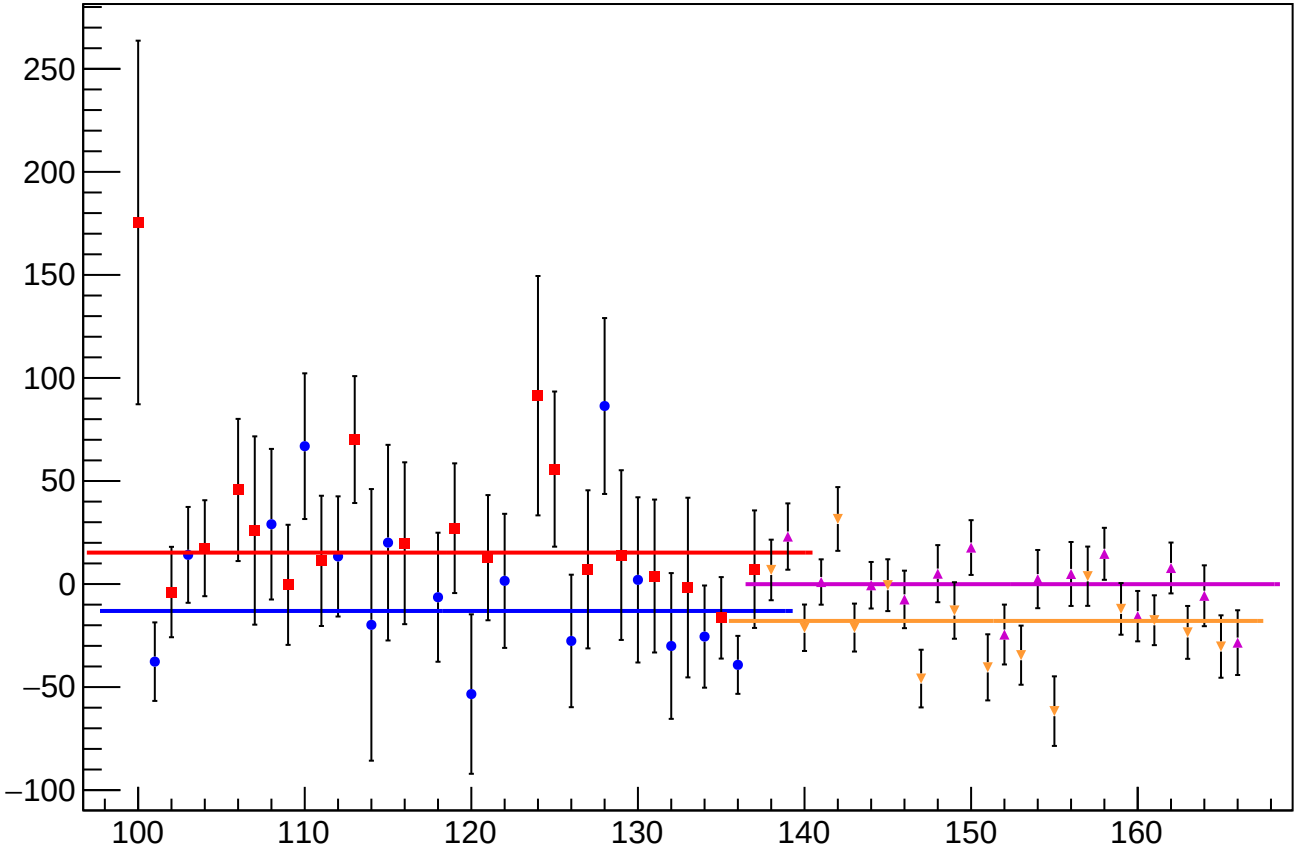
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2032.732+/-0.341 χ^2/NDF:1789340.6/29

Out: 1971.067+/-0.328 χ^2/NDF:2134147.2/33

All: 2000.714+/-0.236 χ^2/NDF: 3940471.6/63

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.899+/-3.502 χ^2/NDF:32.7/14

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -0.066+/-3.579 χ^2/NDF:14.0/13

Left: -9.178+/-2.503 χ^2/NDF: 59.4/28

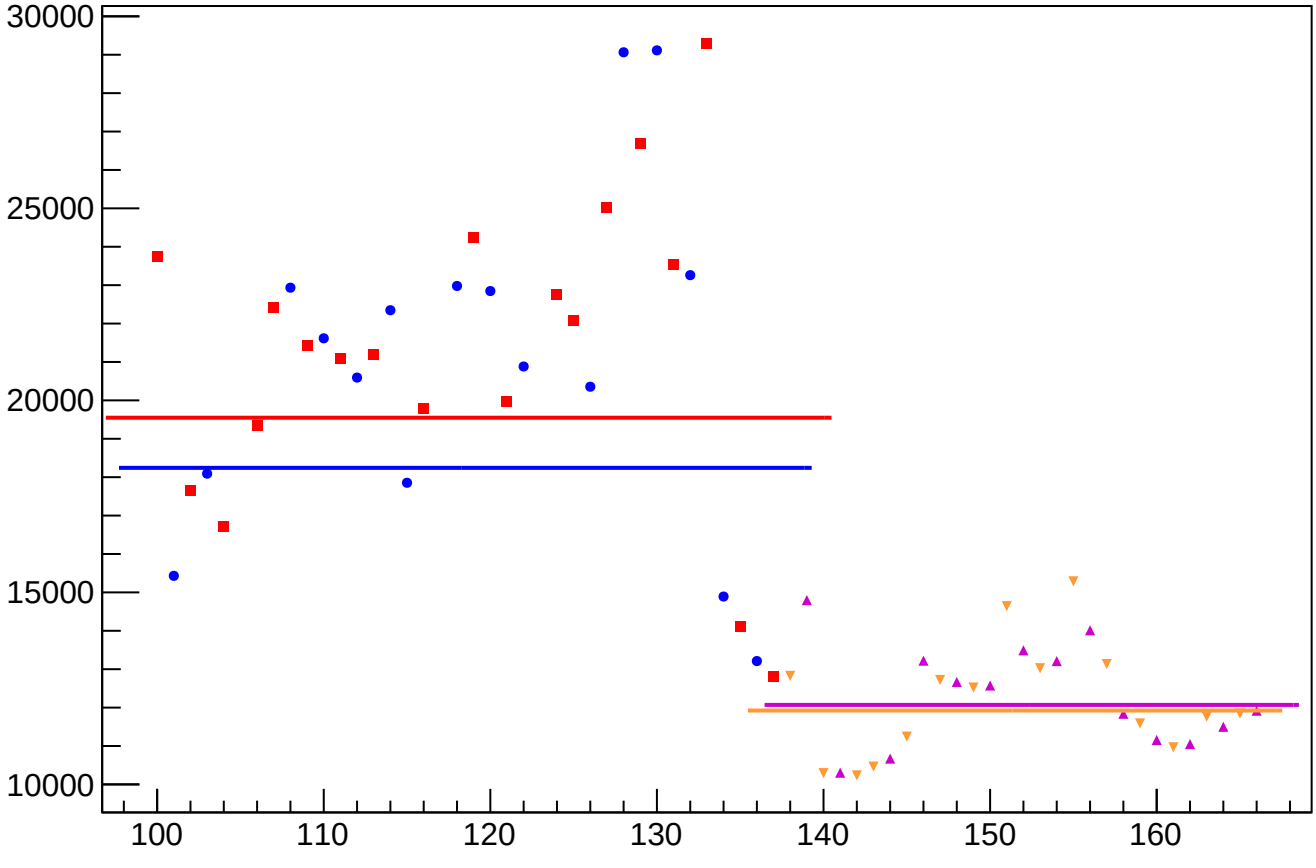
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -2.744+/-3.189 χ^2/NDF:38.6/29

Out: -11.726+/-3.159 χ^2/NDF:63.7/33

All: -7.278+/-2.244 χ^2/NDF: 106.3/63

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11923.692+/-2.476 χ^2/NDF:297924.7/14

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12070.056+/-2.531 χ^2/NDF:252107.1/13

Left: 11995.270+/-1.770 χ^2/NDF: 551740.6/28

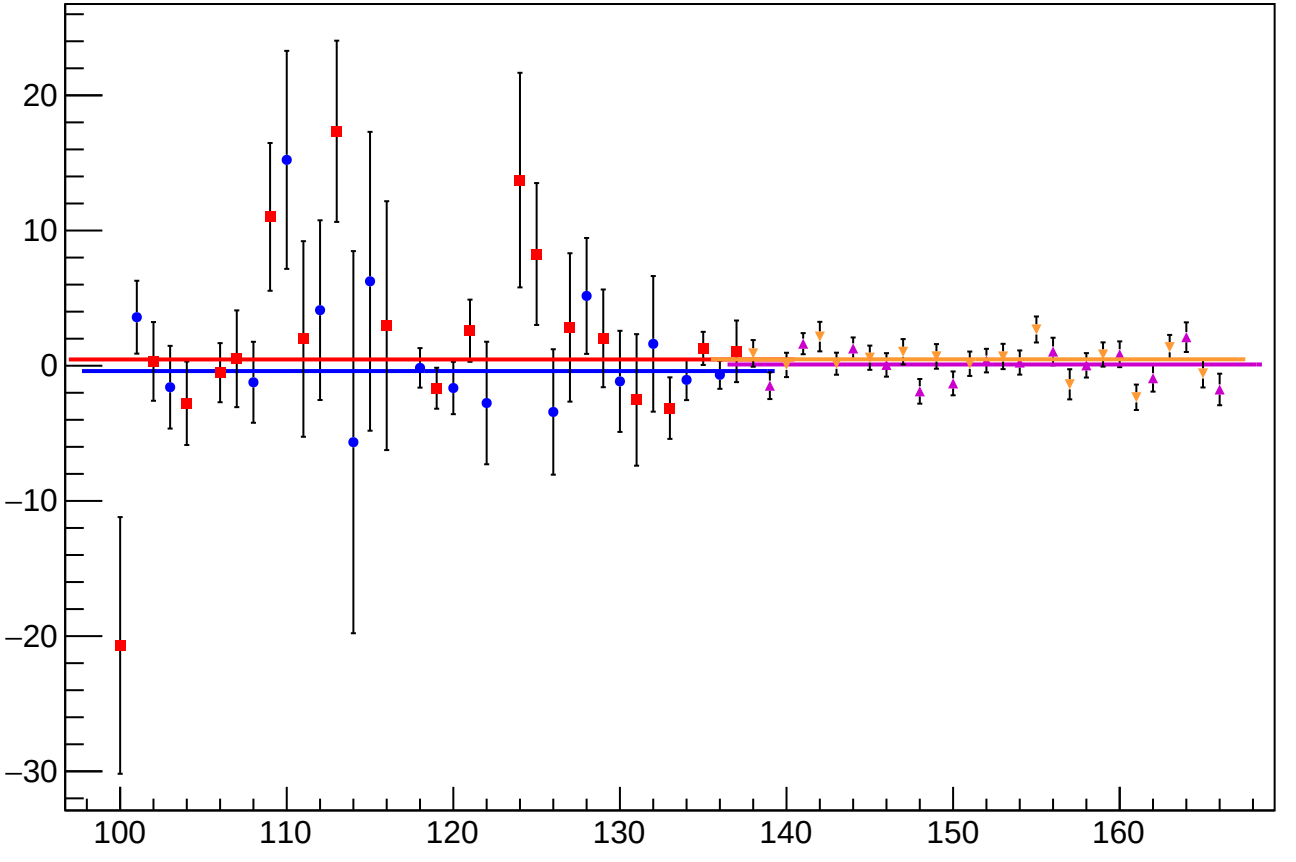
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13341.933+/-2.255 χ^2/NDF:2297690.8/29

Out: 13343.387+/-2.234 χ^2/NDF:2685259.0/33

All: 13342.667+/-1.587 χ^2/NDF: 4982949.9/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.476+/-0.243 χ^2/NDF:22.6/14

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.093+/-0.247 χ^2/NDF:24.4/13

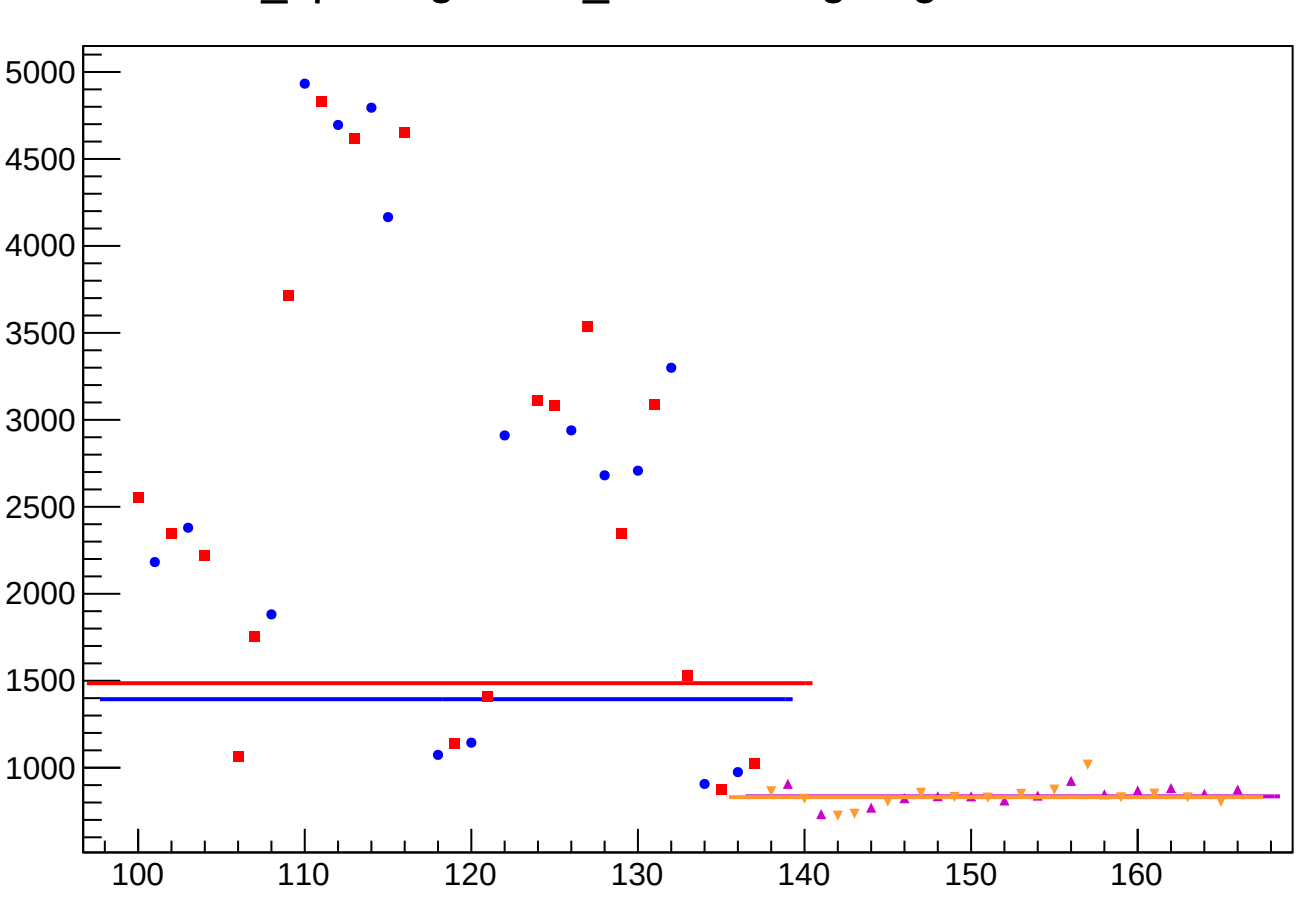
Left: 0.287+/-0.173 χ^2/NDF: 48.2/28

Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.022+/-0.228 χ^2/NDF:35.3/29

Out: 0.474+/-0.227 χ^2/NDF:50.7/33

All: 0.250+/-0.161 χ^2/NDF: 88.0/63



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.655+/-0.172 χ^2/NDF:115260.7/14

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 835.355+/-0.175 χ^2/NDF:84736.6/13

Left: 832.966+/-0.122 χ^2/NDF: 200365.8/28

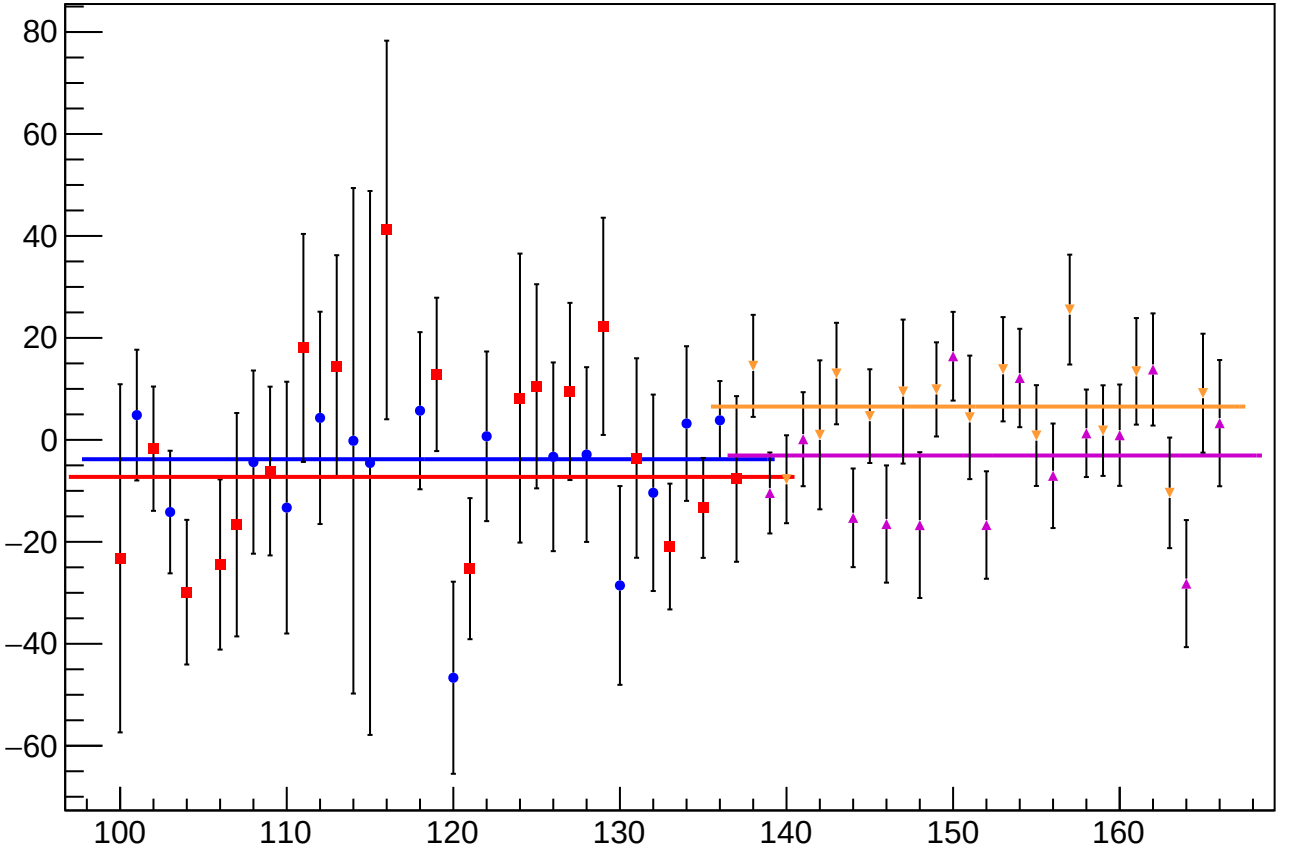
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 916.199+/-0.161 χ^2/NDF:4947475.7/29

Out: 914.482+/-0.160 χ^2/NDF:5378231.2/33

All: 915.334+/-0.114 χ^2/NDF: 10325763.9/63

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.530+/-2.676 χ^2/NDF:11.3/14

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.064+/-2.690 χ^2/NDF:21.3/13

Left: 1.759+/-1.897 χ^2/NDF: 39.0/28

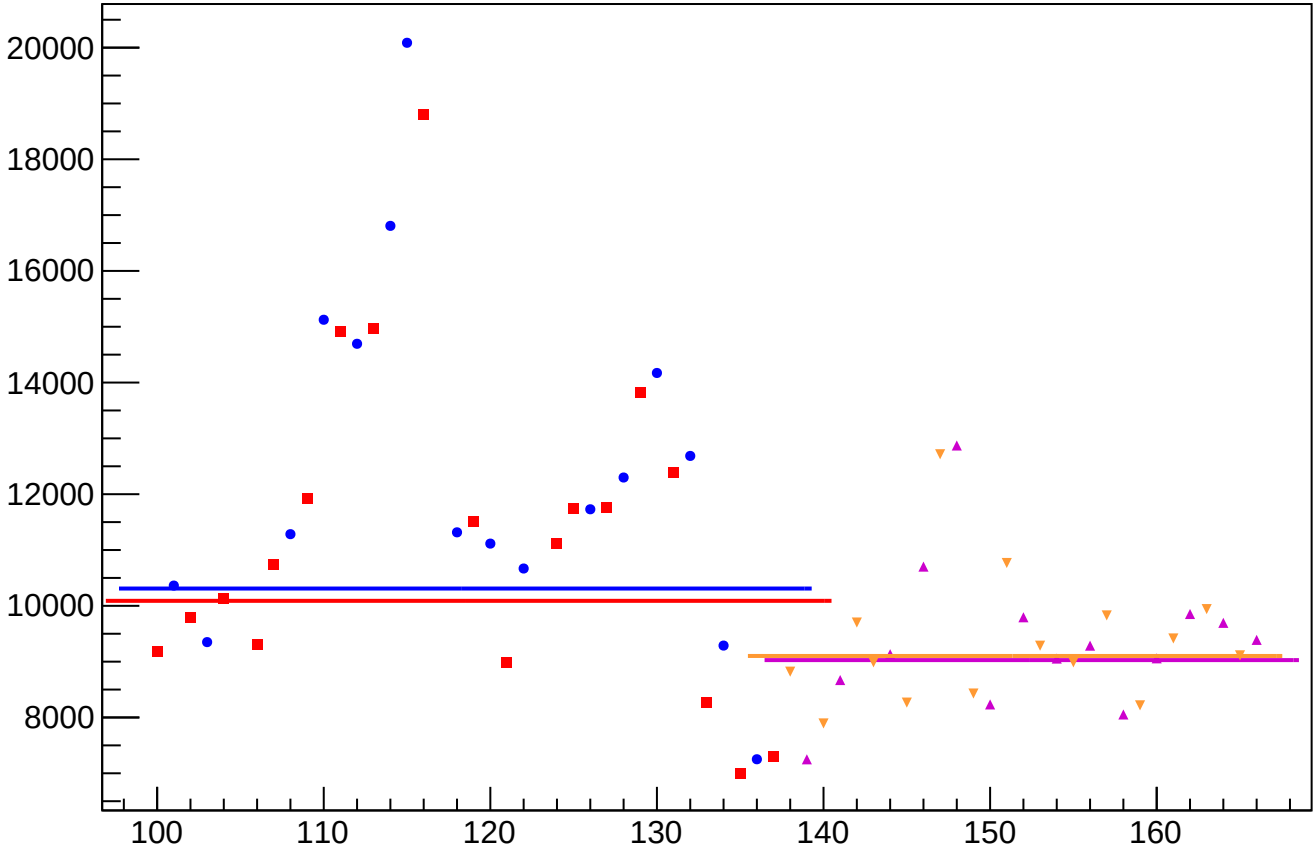
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.296+/-2.222 χ^2/NDF:31.4/29

Out: 1.969+/-2.189 χ^2/NDF:37.4/33

All: -0.624+/-1.560 χ^2/NDF: 71.6/63

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9101.973+/-1.892 χ^2/NDF:283974.3/14

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9027.770+/-1.902 χ^2/NDF:363542.0/13

Left: 9065.075+/-1.342 χ^2/NDF: 648281.1/28

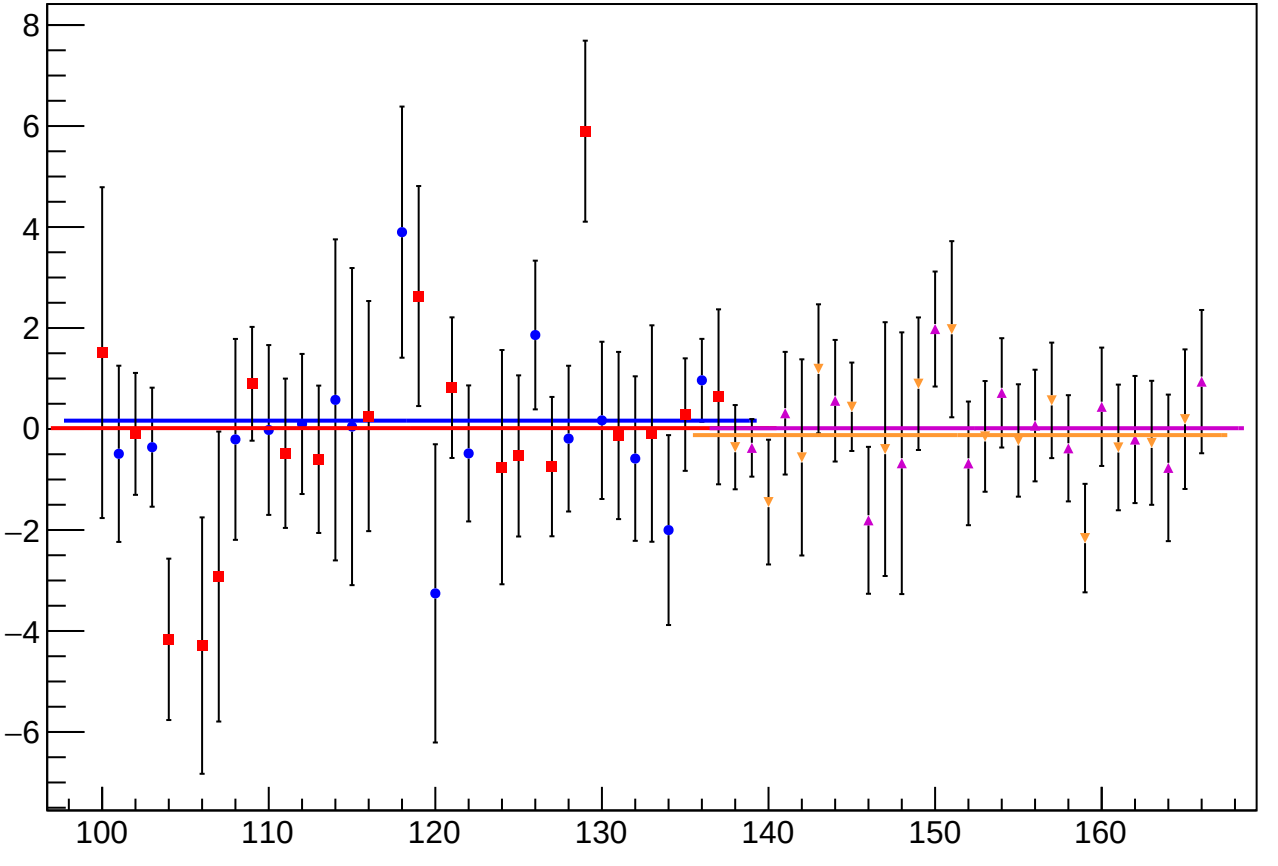
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9435.092+/-1.571 χ^2/NDF:1278357.4/29

Out: 9428.541+/-1.548 χ^2/NDF:1166855.7/33

All: 9431.767+/-1.103 χ^2/NDF: 2445221.8/63

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.121+/-0.309 χ^2/NDF:8.9/14

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.016+/-0.296 χ^2/NDF:7.1/13

Left: -0.050+/-0.214 χ^2/NDF: 16.1/28

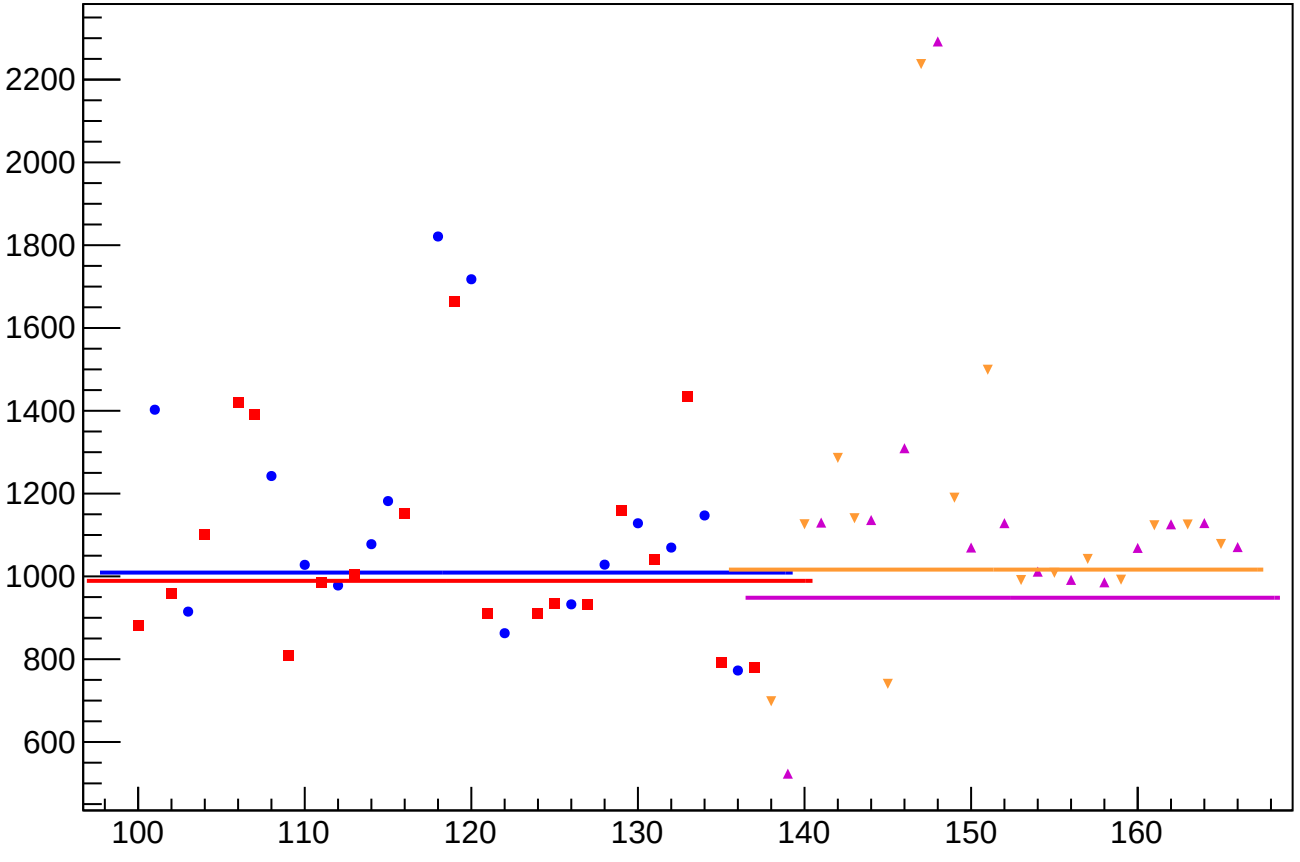
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.071+/-0.235 χ^2/NDF:15.3/29

Out: -0.064+/-0.238 χ^2/NDF:34.1/33

All: 0.004+/-0.167 χ^2/NDF: 49.6/63

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1016.403+/-0.219 χ^2/NDF:1260678.4/14

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 948.417+/-0.209 χ^2/NDF:2049299.2/13

Left: 980.911+/-0.151 χ^2/NDF: 3360380.9/28

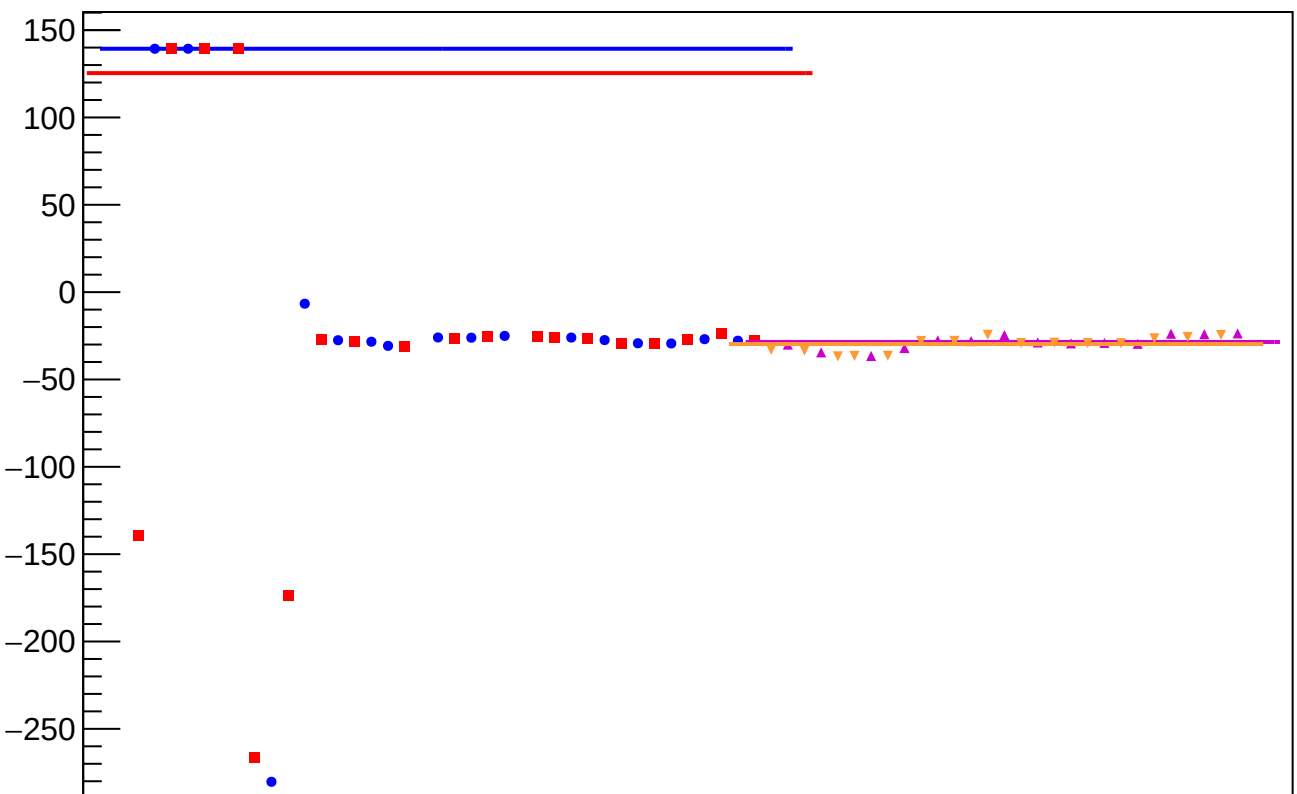
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 970.917+/-0.166 χ^2/NDF:2779817.2/29

Out: 1005.305+/-0.168 χ^2/NDF:1842733.6/33

All: 987.896+/-0.118 χ^2/NDF: 4643698.0/63

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.721+/-0.000 χ^2/NDF:112114720.7/14

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -28.529+/-0.000 χ^2/NDF:95526221.2/13

Left: -29.141+/-0.000 χ^2/NDF: 211845930.6/28

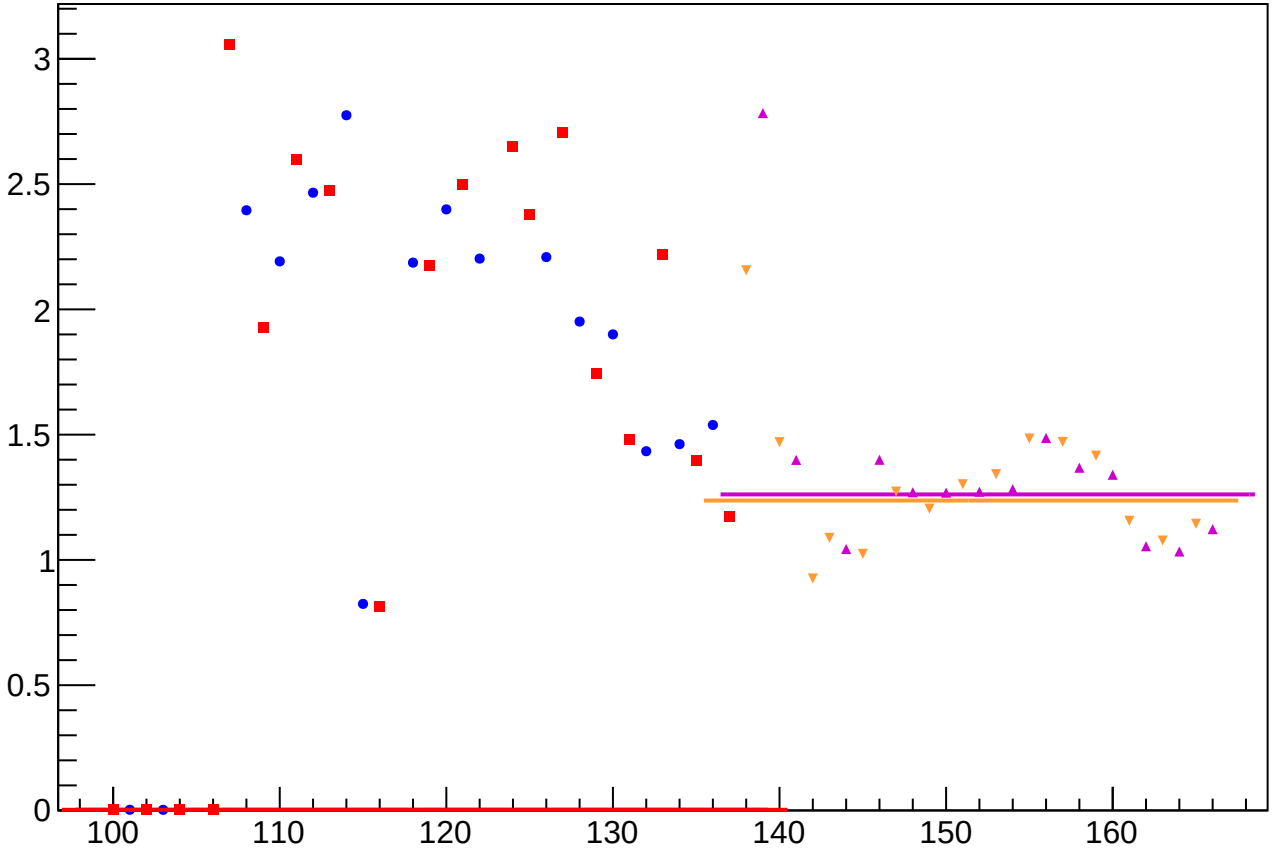
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.331+/-0.000 χ^2/NDF:209401444936.9/29

Out: 125.387+/-0.000 χ^2/NDF:774319487573444.

All: 131.813+/-0.000 χ^2/NDF: 79331184481

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:563715.7/14

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.261+/-0.000 χ^2/NDF:737579.9/13

Left: 1.249+/-0.000 χ^2/NDF: 1304812.6/28

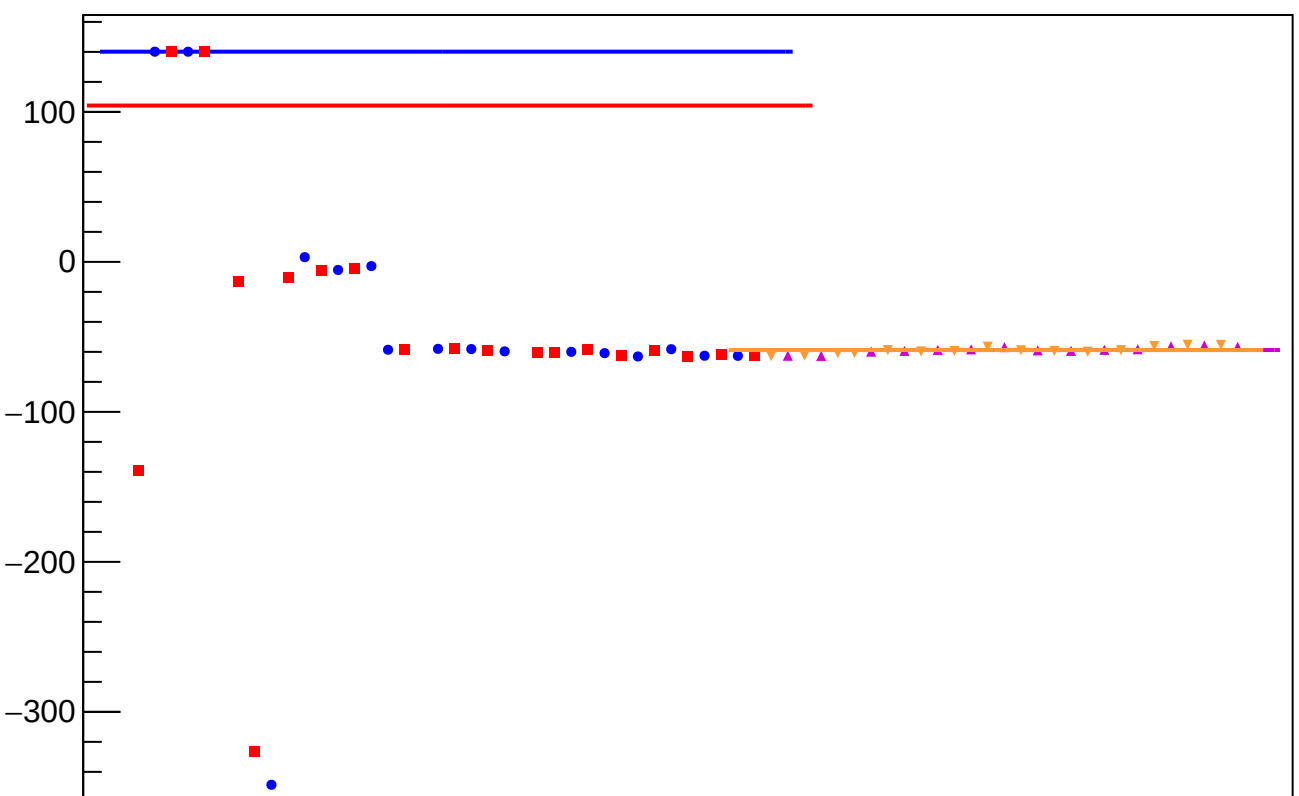
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:28545558.5/29

Out: 0.003+/-0.000 χ^2/NDF:28822088.7/33

All: 0.003+/-0.000 χ^2/NDF: 57367890.2/63

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.769+/-0.000 χ^2/NDF:122144182.4/14

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -58.760+/-0.000 χ^2/NDF:96730079.9/13

Left: -58.765+/-0.000 χ^2/NDF: 218874887.1/28

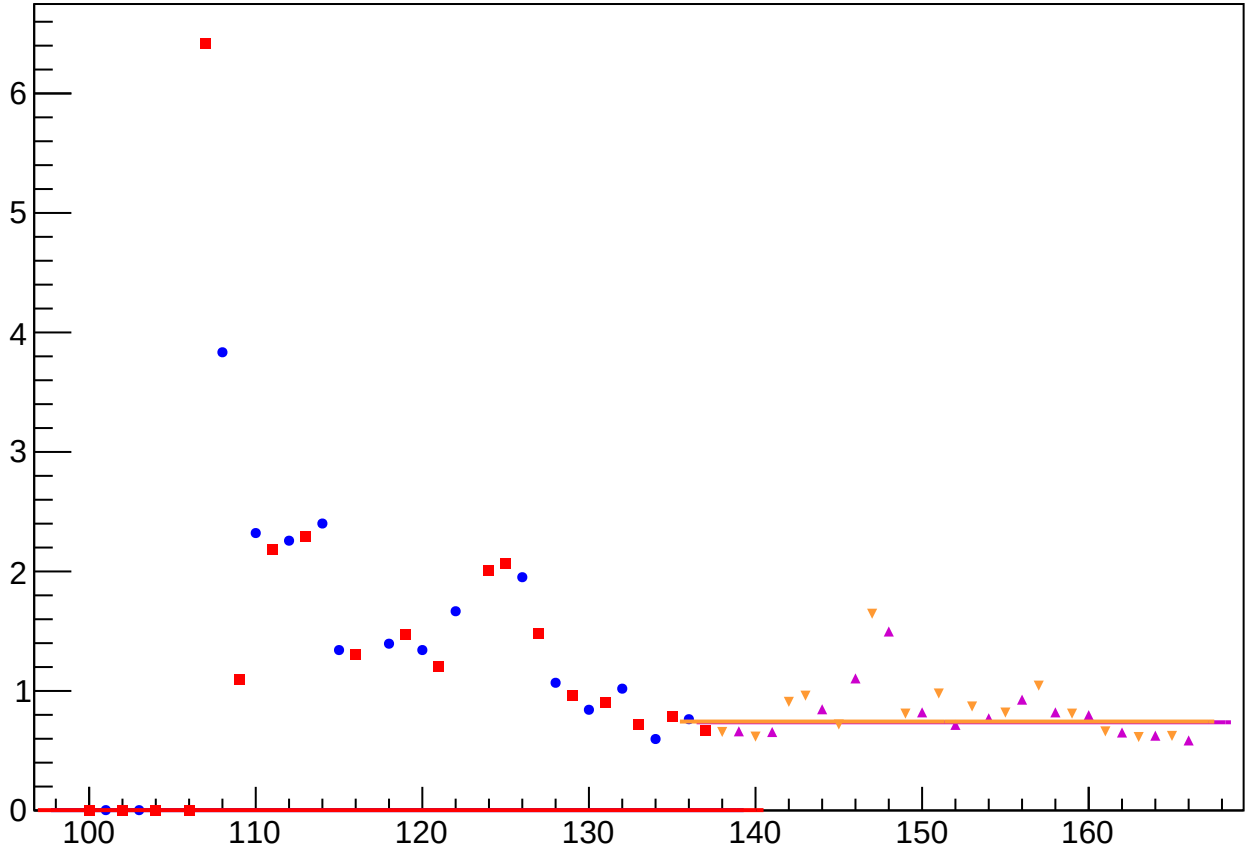
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.125+/-0.000 χ^2/NDF:840139466048.1/29

Out: 104.211+/-0.000 χ^2/NDF:1257837528612793

All: 120.816+/-0.000 χ^2/NDF: 13819567331

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.744+/-0.000 χ^2/NDF:971289.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.738+/-0.000 χ^2/NDF:796306.0/13

Left: 0.741+/-0.000 χ^2/NDF: 1768211.7/28

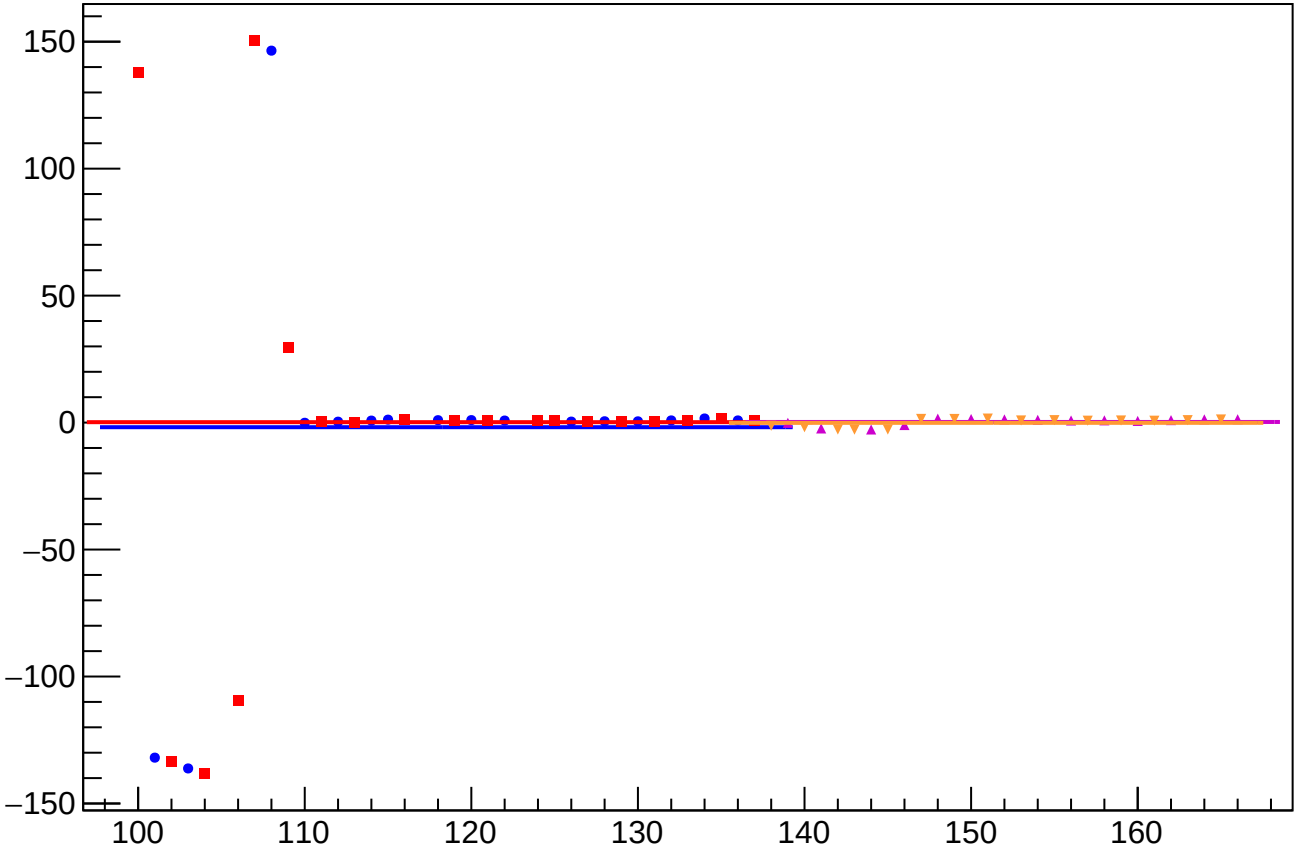
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:29203397.0/29

Out: 0.003+/-0.000 χ^2/NDF:29254866.3/33

All: 0.003+/-0.000 χ^2/NDF: 58458605.6/63

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.097+/-0.000 χ^2/NDF:94516295.8/14

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.243+/-0.000 χ^2/NDF:68230491.6/13

Left: 0.067+/-0.000 χ^2/NDF: 164608635.3/28

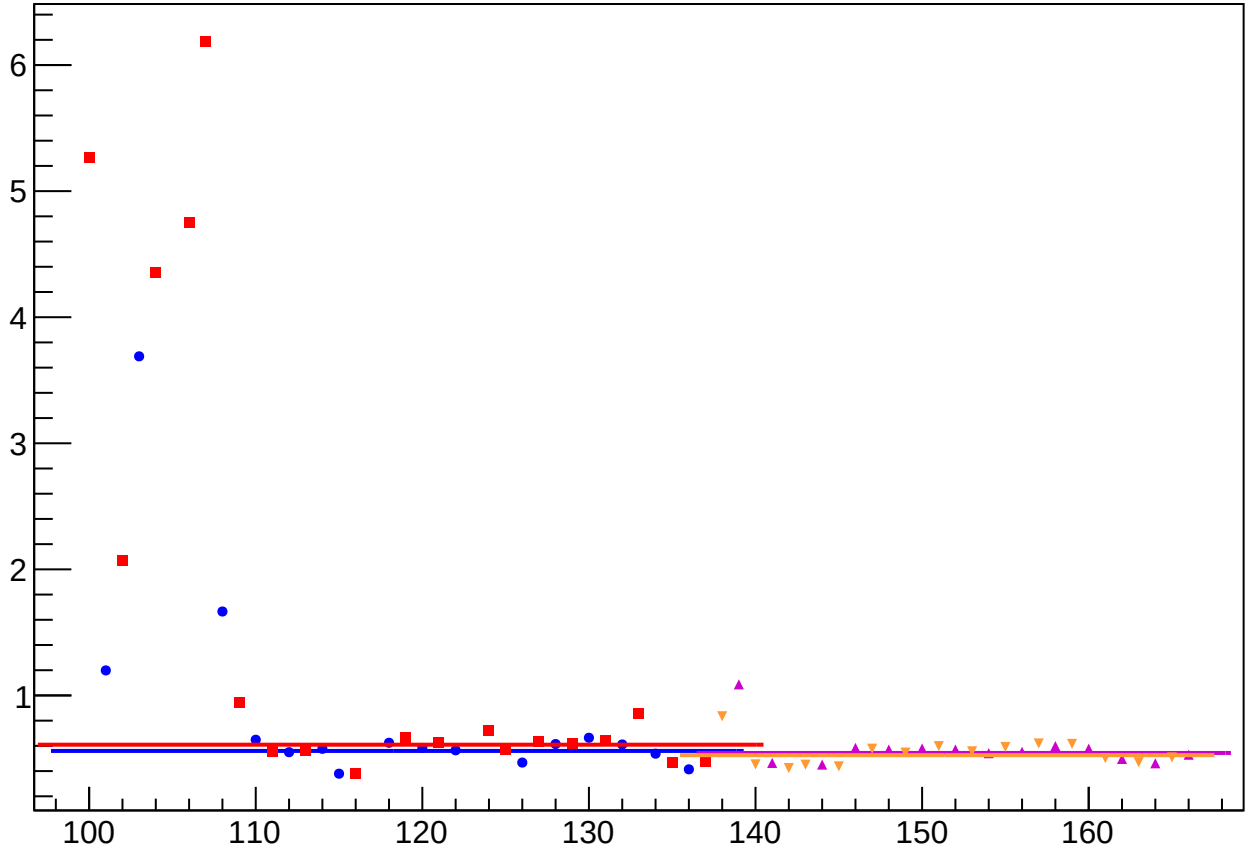
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.461+/-0.000 χ^2/NDF:10000508798.3/29

Out: -0.022+/-0.000 χ^2/NDF:3706415107.0/33

All: -0.243+/-0.000 χ^2/NDF: 13711457698.3/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.526+/-0.000 χ^2/NDF:465692.9/14

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.544+/-0.000 χ^2/NDF:591138.4/13

Left: 0.535+/-0.000 χ^2/NDF: 1066998.8/28

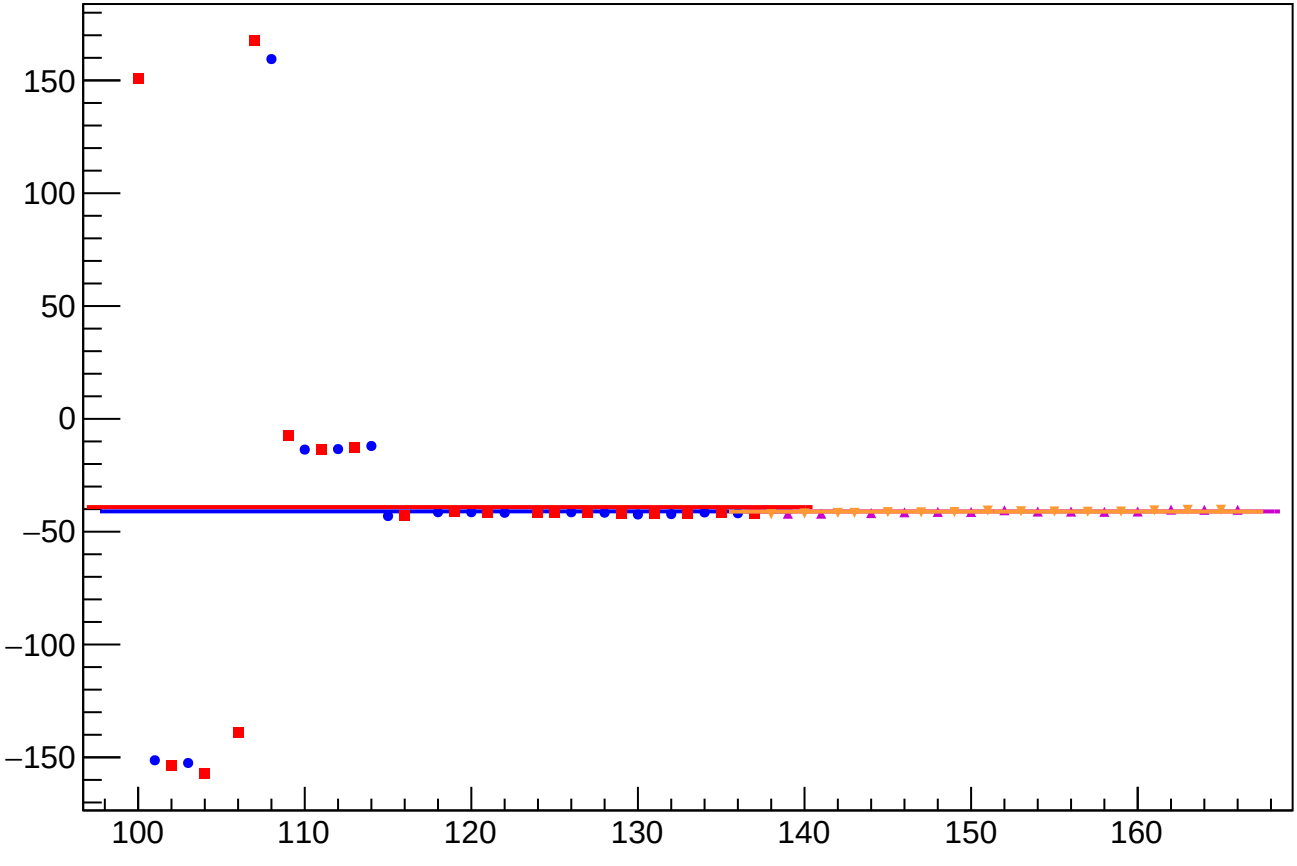
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.549+/-0.000 χ^2/NDF:2195009.3/29

Out: 0.550+/-0.000 χ^2/NDF:3074273.1/33

All: 0.550+/-0.000 χ^2/NDF: 5269298.4/63

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.085+/-0.000 χ^2/NDF:23852656.9/14

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.026+/-0.000 χ^2/NDF:27141760.4/13

Left: -41.056+/-0.000 χ^2/NDF: 51157375.7/28

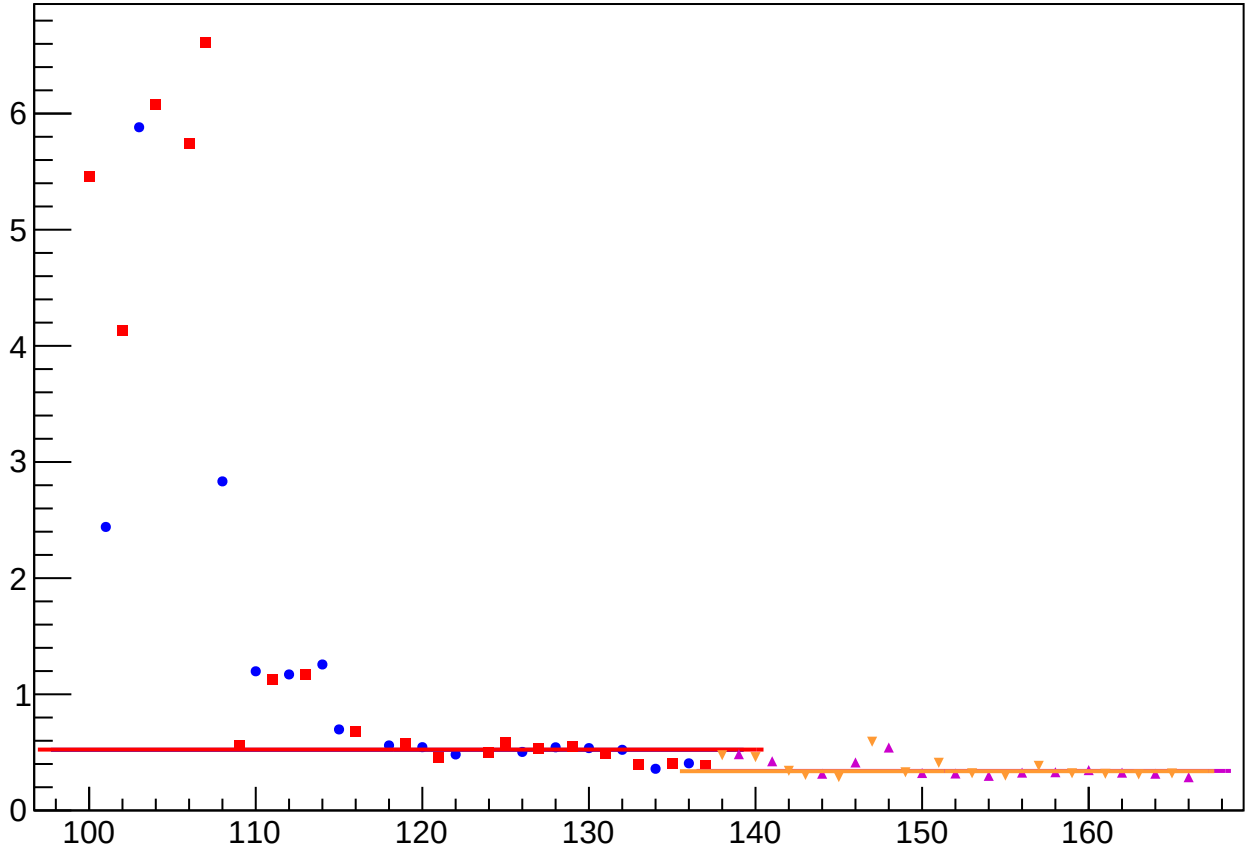
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.020+/-0.000 χ^2/NDF:3476787532.3/29

Out: -40.771+/-0.000 χ^2/NDF:2563336492.0/33

All: -40.894+/-0.000 χ^2/NDF: 6043570877.5/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.338+/-0.000 χ^2/NDF:709833.8/14

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.340+/-0.000 χ^2/NDF:573697.1/13

Left: 0.339+/-0.000 χ^2/NDF: 1284014.0/28

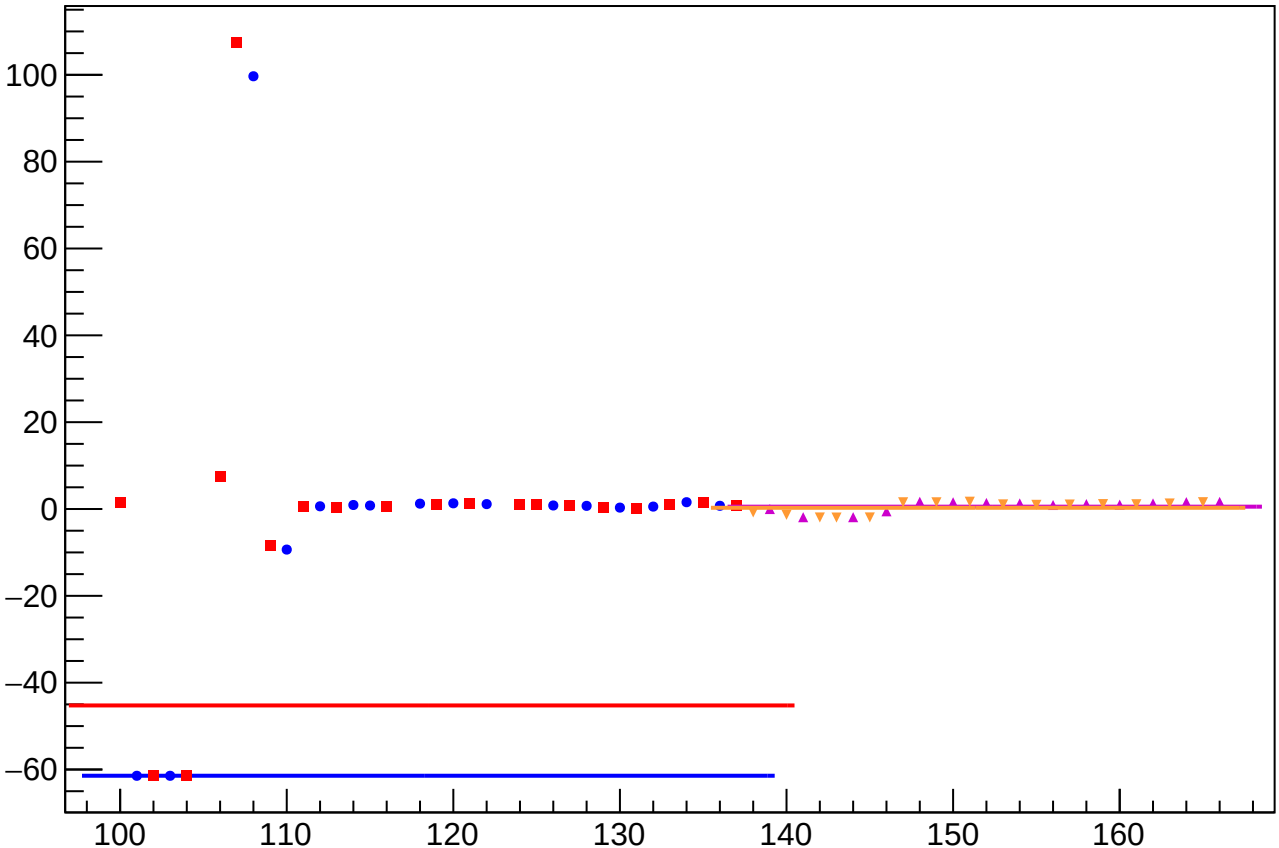
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.371+/-0.000 χ^2/NDF:4538265.6/29

Out: 0.367+/-0.000 χ^2/NDF:5016763.0/33

All: 0.369+/-0.000 χ^2/NDF: 9556180.5/63

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.281+/-0.000 χ^2/NDF:97537011.8/14

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.539+/-0.000 χ^2/NDF:75857416.9/13

Left: 0.405+/-0.000 χ^2/NDF: 174897013.8/28

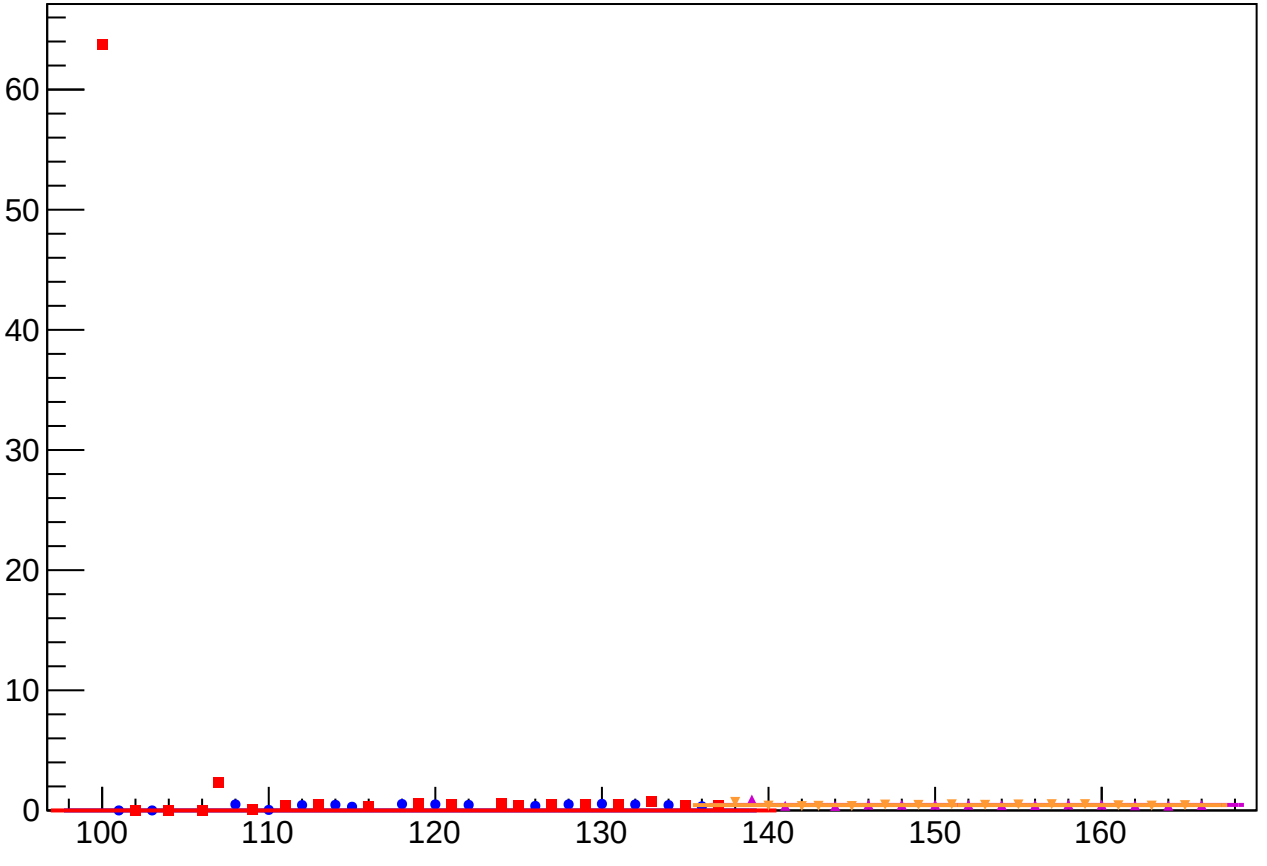
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.429+/-0.000 χ^2/NDF:440054752029.7/29

Out: -45.240+/-0.000 χ^2/NDF:357967355999327.8

All: -52.743+/-0.000 χ^2/NDF: 409376692000

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.445+/-0.000 χ^2/NDF:453385.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.461+/-0.000 χ^2/NDF:564791.4/13

Left: 0.453+/-0.000 χ^2/NDF: 1029012.3/28

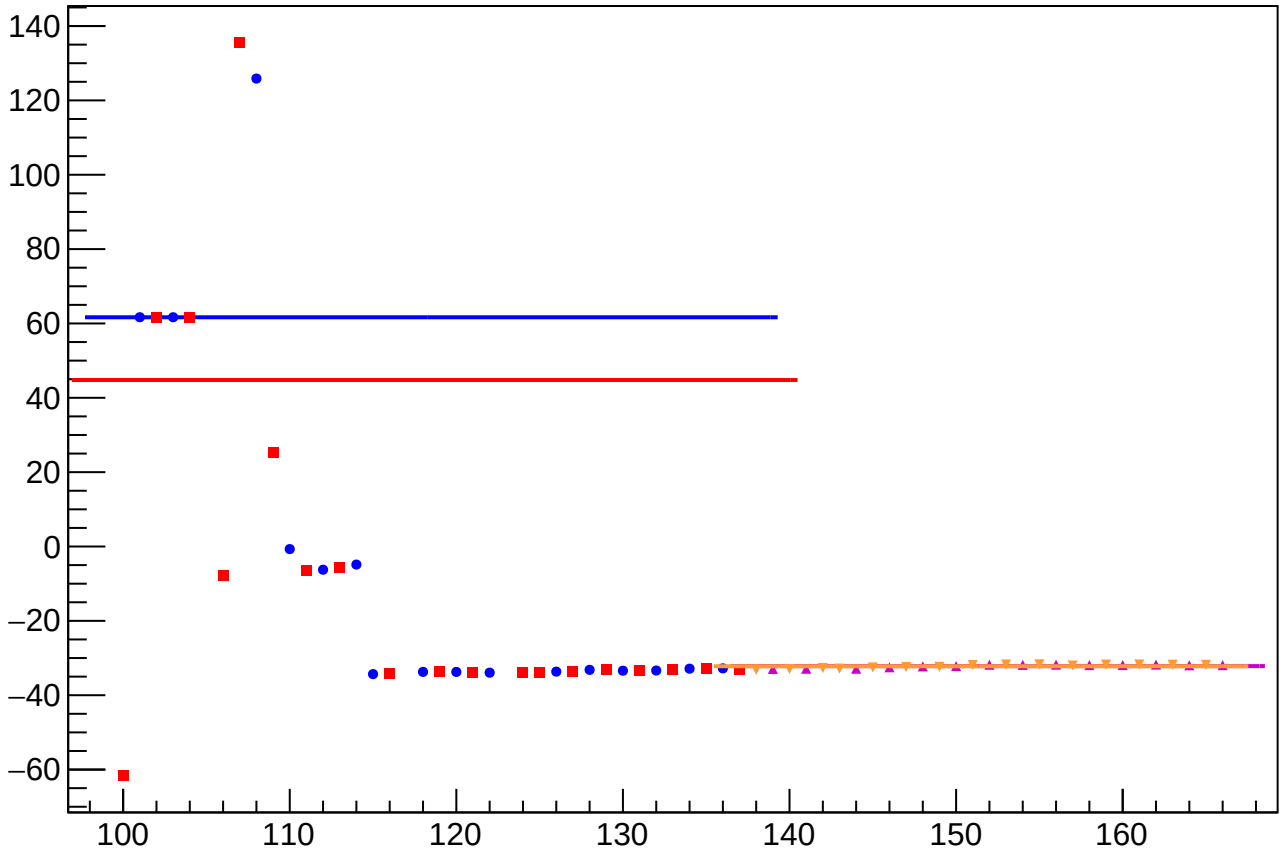
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:28018409.3/29

Out: 0.002+/-0.000 χ^2/NDF:28229994.7/33

All: 0.002+/-0.000 χ^2/NDF: 56248428.0/63

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.202+/-0.000 χ^2/NDF:30449527.9/14

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.163+/-0.000 χ^2/NDF:23487140.3/13

Left: -32.183+/-0.000 χ^2/NDF: 54029739.1/28

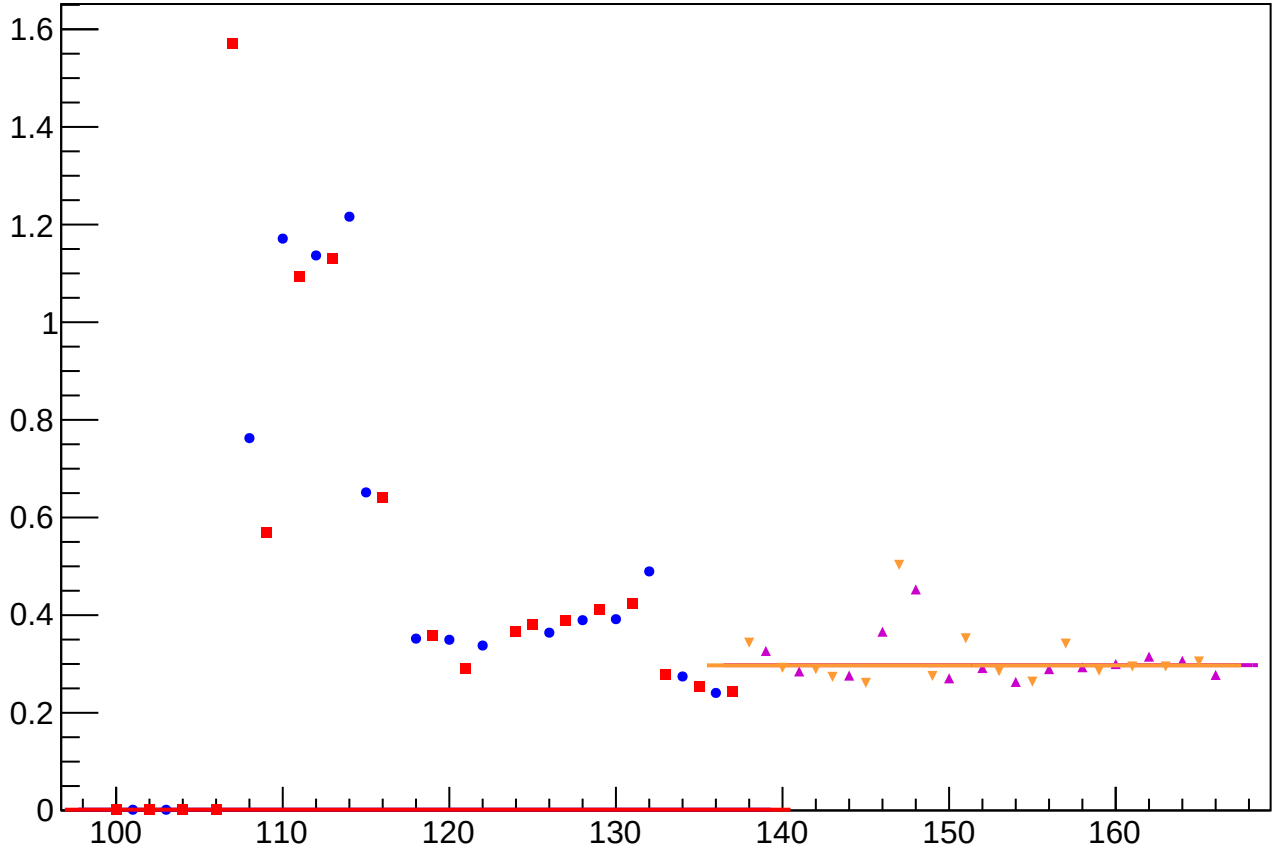
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.628+/-0.000 χ^2/NDF:1452701335226.5/29

Out: 44.760+/-0.000 χ^2/NDF:366840412855489.9

All: 52.659+/-0.000 χ^2/NDF: 419360602123

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:444175.8/14

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.298+/-0.000 χ^2/NDF:330407.5/13

Left: 0.297+/-0.000 χ^2/NDF: 774607.6/28

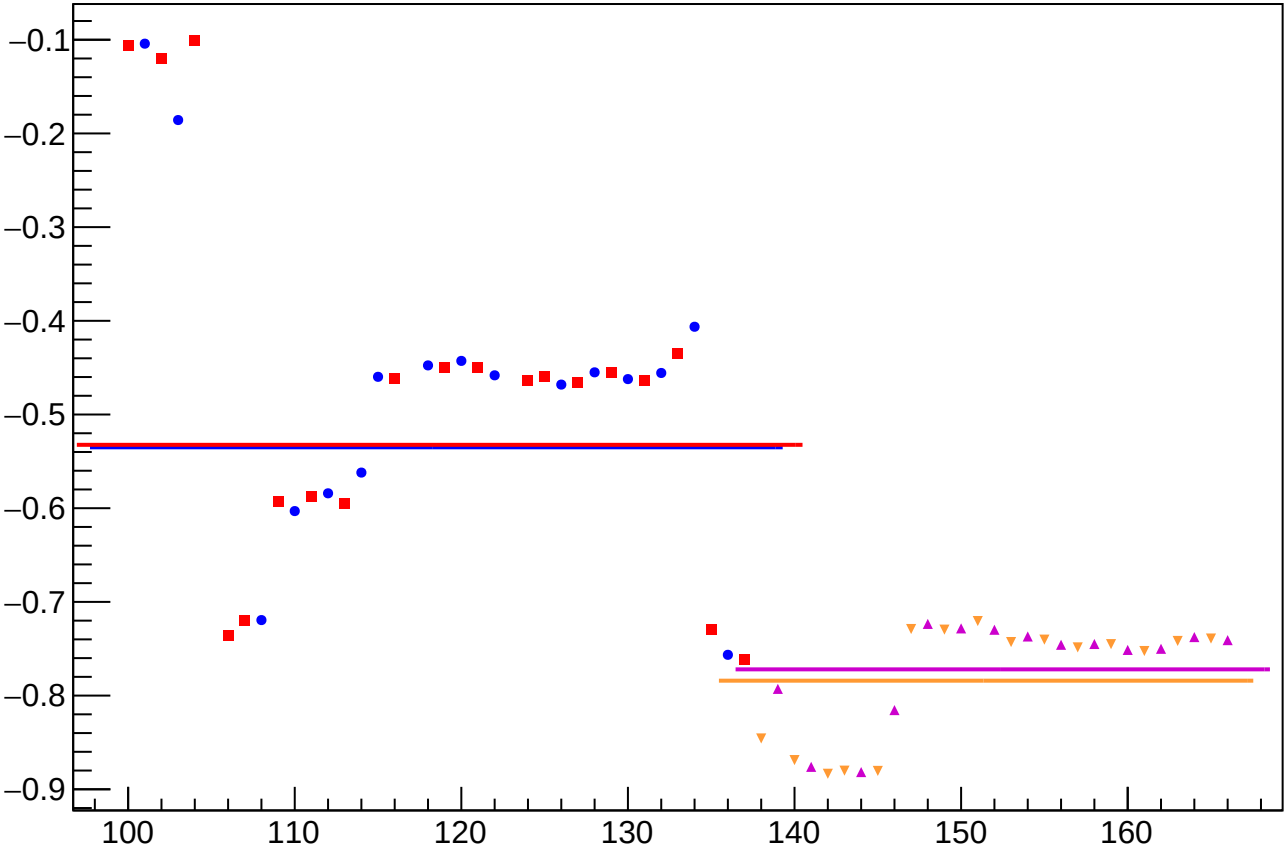
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:32933311.4/29

Out: 0.002+/-0.000 χ^2/NDF:32994979.6/33

All: 0.002+/-0.000 χ^2/NDF: 65928313.9/63

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.784+/-0.000 χ^2/NDF:104759788.0/14

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.772+/-0.000 χ^2/NDF:74711068.1/13

Left: -0.778+/-0.000 χ^2/NDF: 181254020.5/28

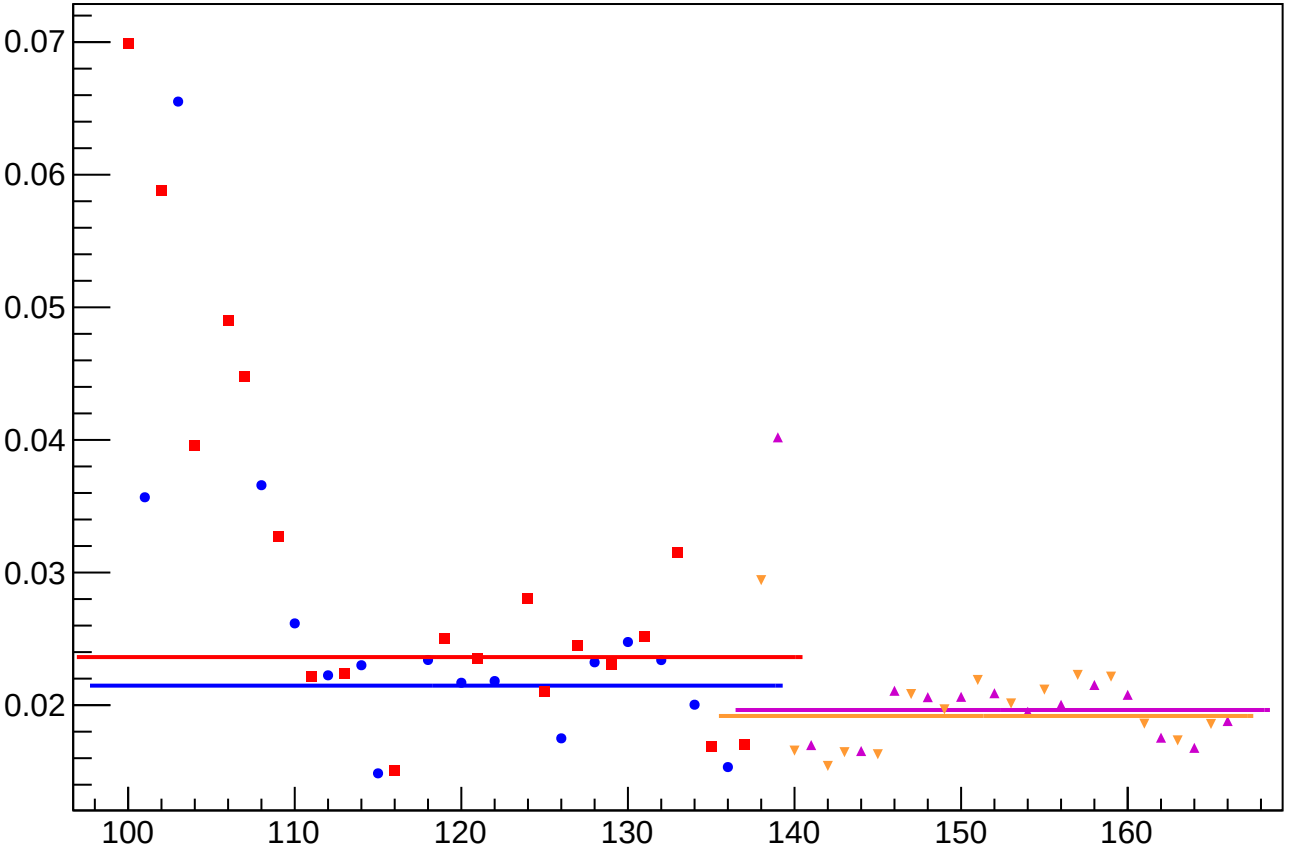
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.694+/-0.000 χ^2/NDF:814021571.0/29

Out: -0.713+/-0.000 χ^2/NDF:772158076.3/33

All: -0.703+/-0.000 χ^2/NDF: 1592142766.9/6

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:405303.9/14

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:599931.6/13

Left: 0.019+/-0.000 χ^2/NDF: 1010215.8/28

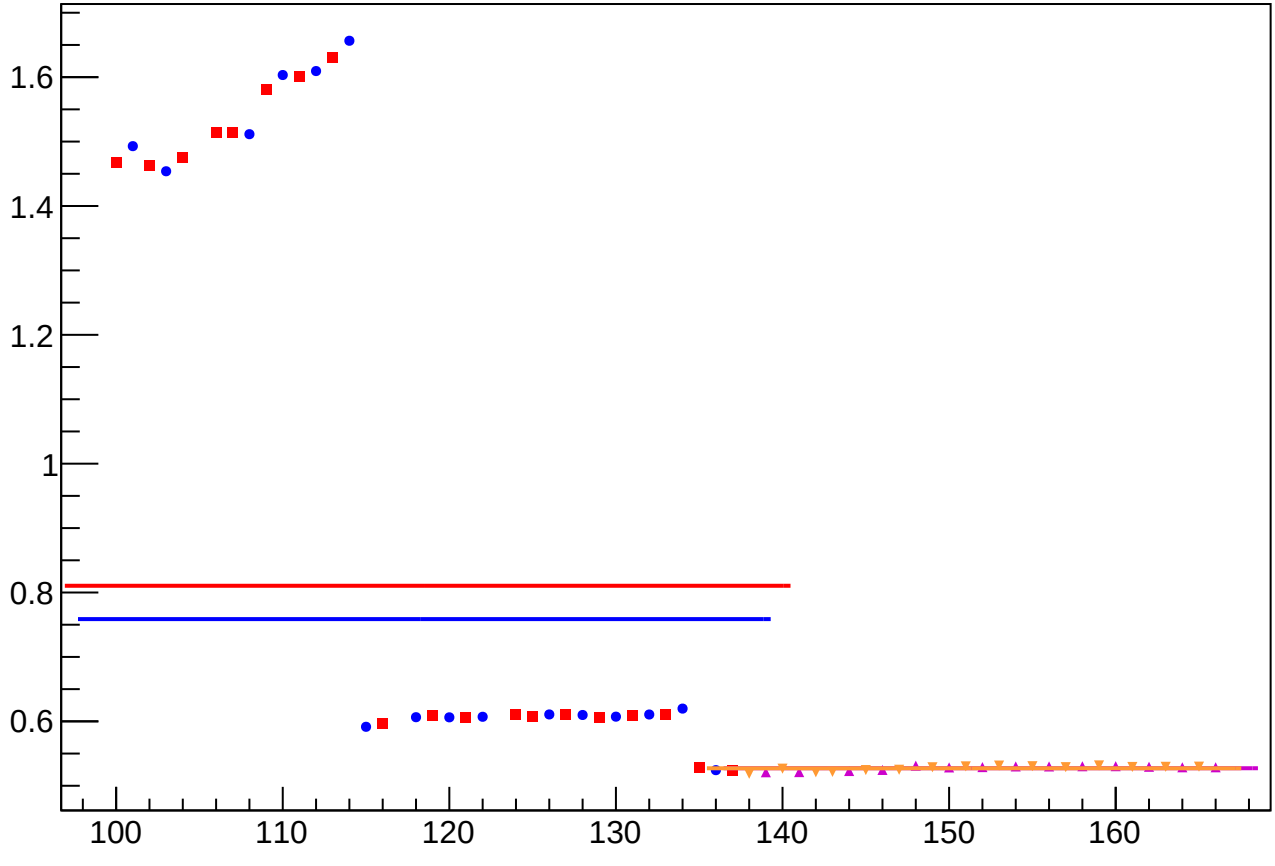
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1806580.4/29

Out: 0.020+/-0.000 χ^2/NDF:1964804.1/33

All: 0.020+/-0.000 χ^2/NDF: 3772908.8/63

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1176778.1/14

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:929520.2/13

Left: 0.527+/-0.000 χ^2/NDF: 2106494.9/28

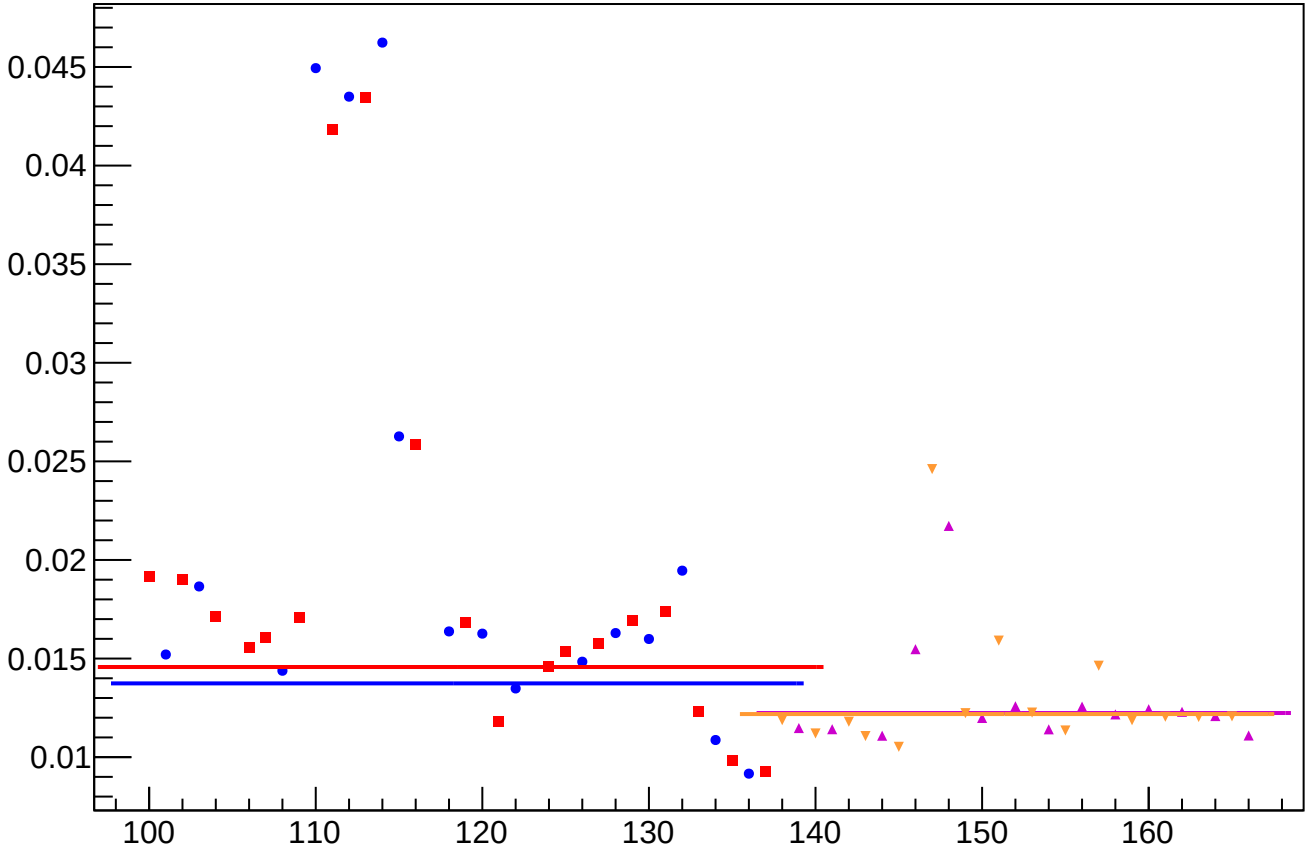
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.597+/-0.000 χ^2/NDF:5485447829.7/29

Out: 0.607+/-0.000 χ^2/NDF:6463774111.9/33

All: 0.602+/-0.000 χ^2/NDF: 11954477443.6/6

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:613931.7/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:429400.1/13

Left: 0.012+/-0.000 χ^2/NDF: 1043542.2/28

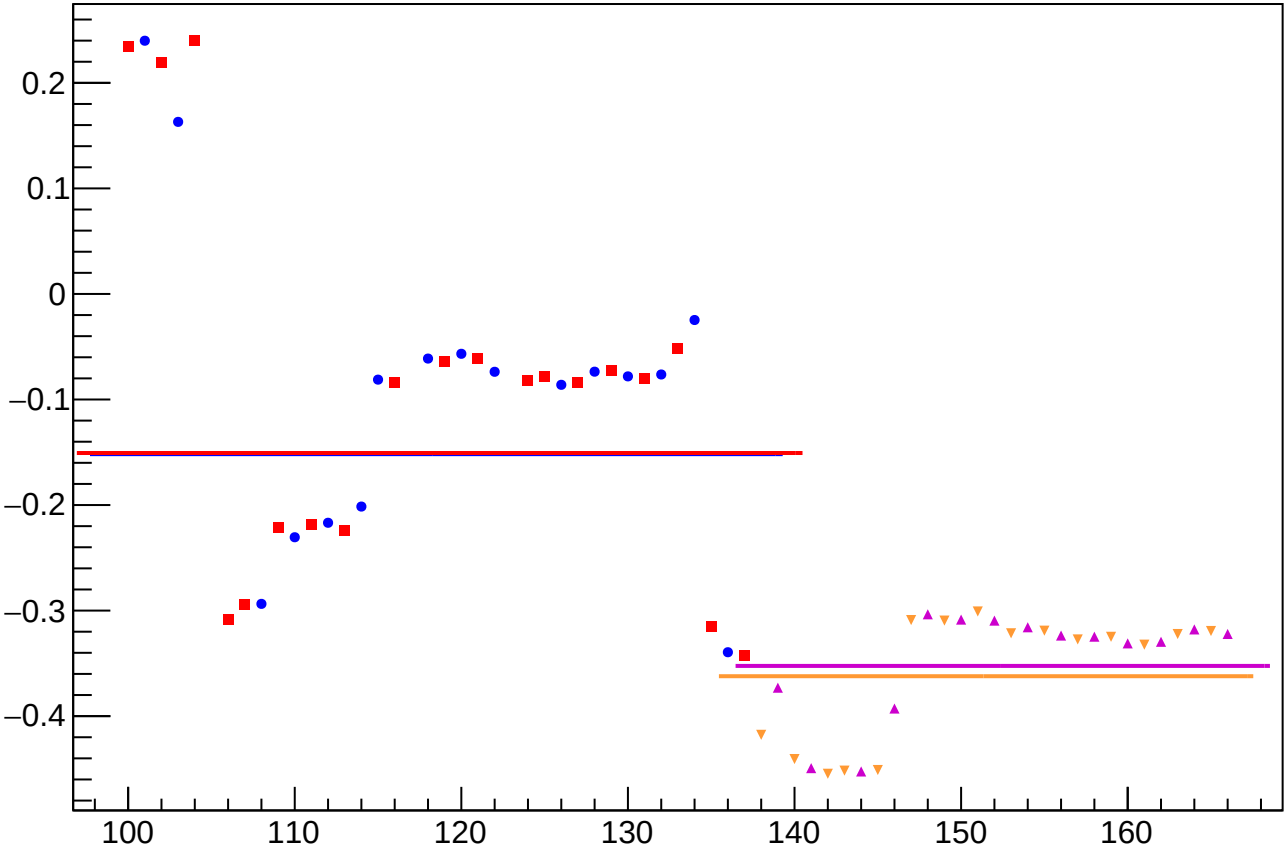
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2178554.5/29

Out: 0.013+/-0.000 χ^2/NDF:2309202.1/33

All: 0.013+/-0.000 χ^2/NDF: 4490658.2/63

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.362+/-0.000 χ^2/NDF:101362031.0/14

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.352+/-0.000 χ^2/NDF:75154856.4/13

Left: -0.357+/-0.000 χ^2/NDF: 177759148.4/28

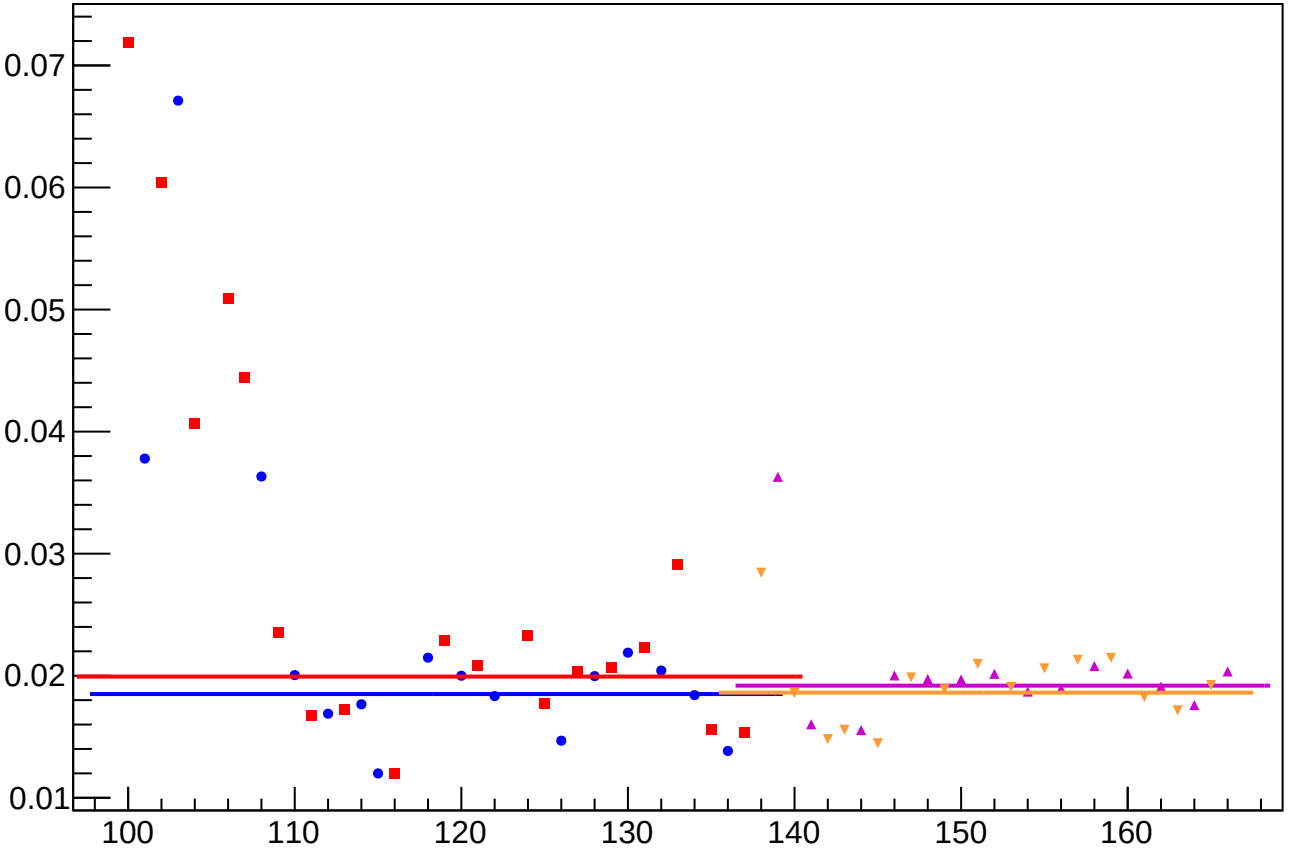
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.276+/-0.000 χ^2/NDF:736803115.8/29

Out: -0.291+/-0.000 χ^2/NDF:707446164.8/33

All: -0.284+/-0.000 χ^2/NDF: 1448651346.1/6

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:434685.5/14

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:528001.8/13

Left: 0.019+/-0.000 χ^2/NDF: 971253.7/28

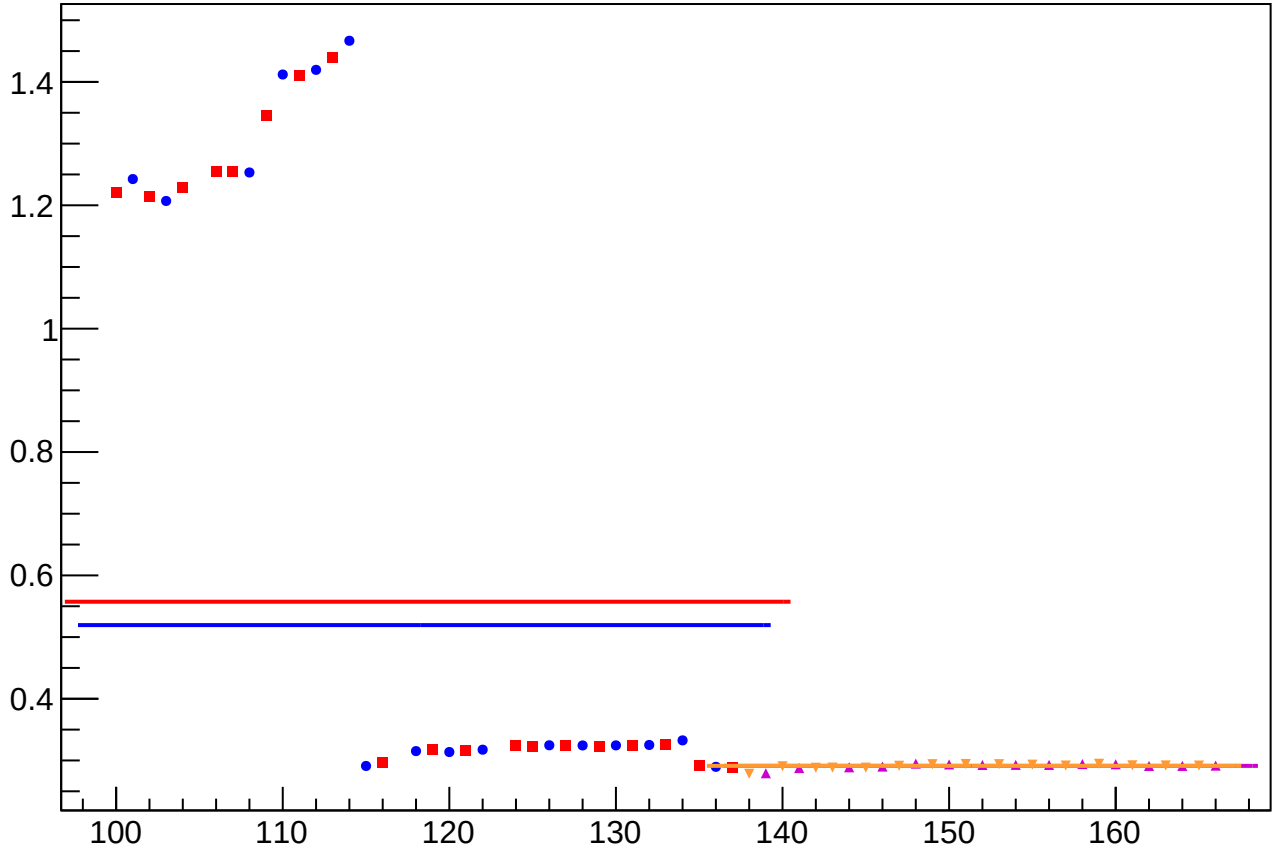
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1909418.6/29

Out: 0.019+/-0.000 χ^2/NDF:2013835.6/33

All: 0.019+/-0.000 χ^2/NDF: 3923958.3/63

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1135554.8/14

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1168265.2/13

Left: 0.291+/-0.000 χ^2/NDF: 2303855.8/28

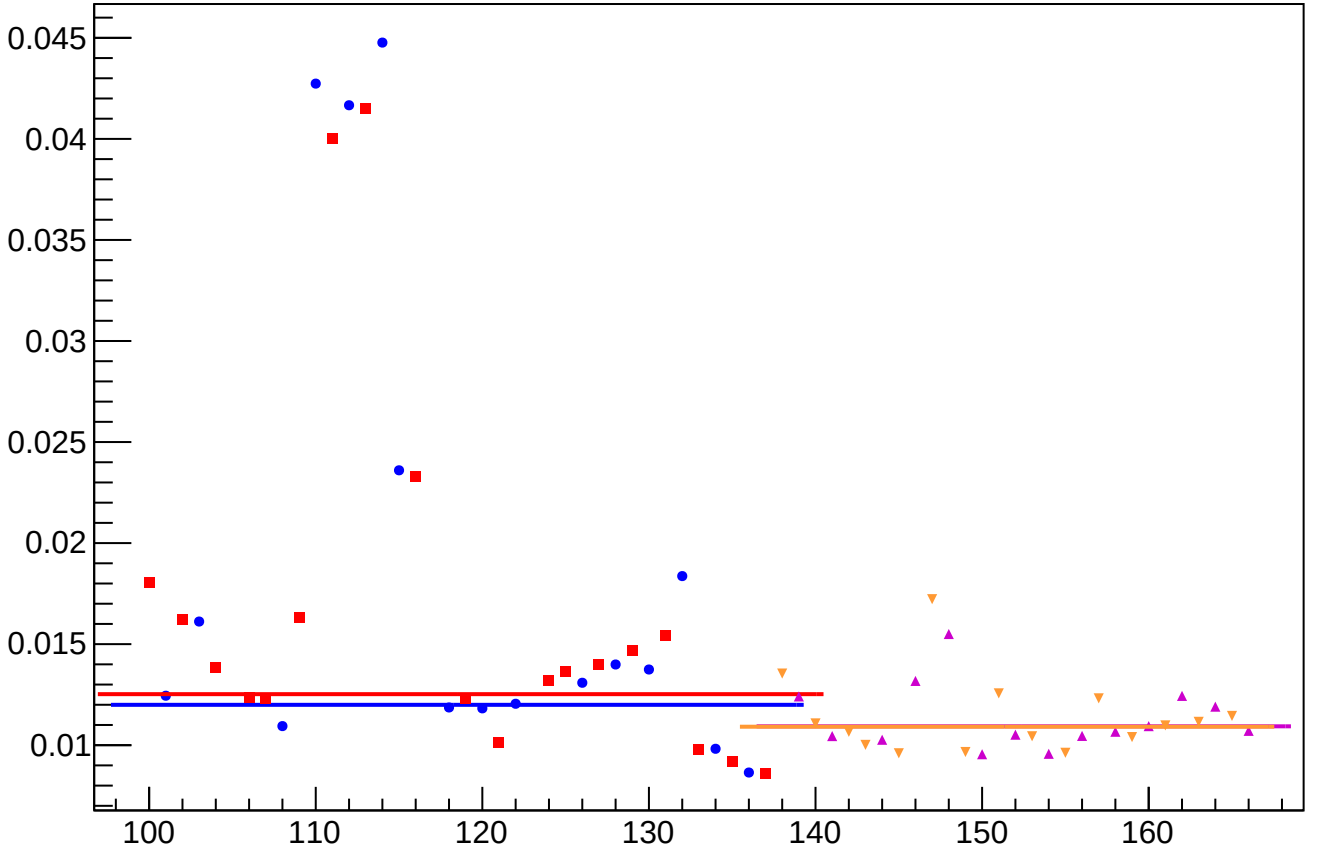
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.363+/-0.000 χ^2/NDF:7802979239.3/29

Out: 0.370+/-0.000 χ^2/NDF:8694654572.7/33

All: 0.366+/-0.000 χ^2/NDF: 16501143964.6/6

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:427477.4/14

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:329444.8/13

Left: 0.011+/-0.000 χ^2/NDF: 756958.5/28

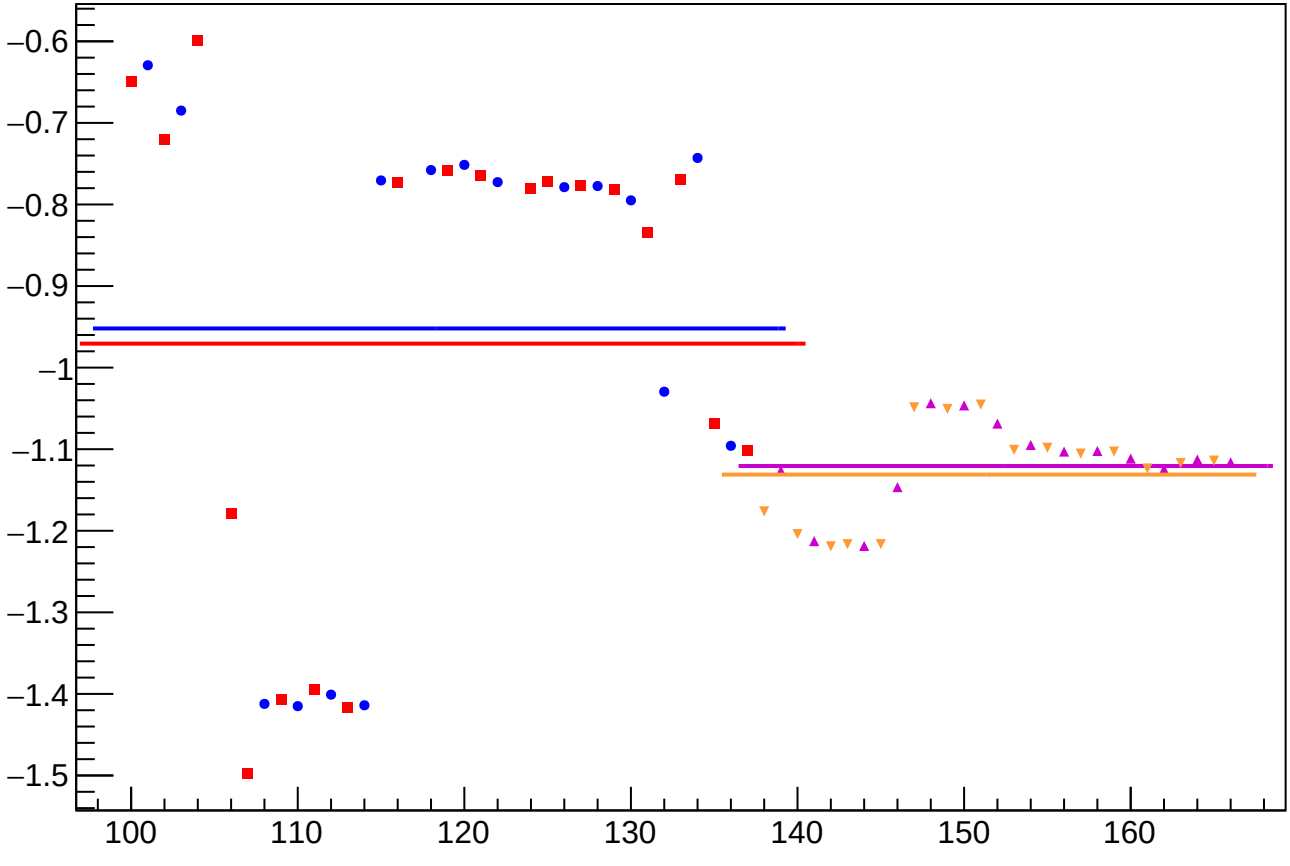
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1885434.7/29

Out: 0.011+/-0.000 χ^2/NDF:2004511.6/33

All: 0.011+/-0.000 χ^2/NDF: 3891970.2/63

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.131+/-0.000 χ^2/NDF:97375476.1/14

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.121+/-0.000 χ^2/NDF:71524624.8/13

Left: -1.126+/-0.000 χ^2/NDF: 170331106.0/28

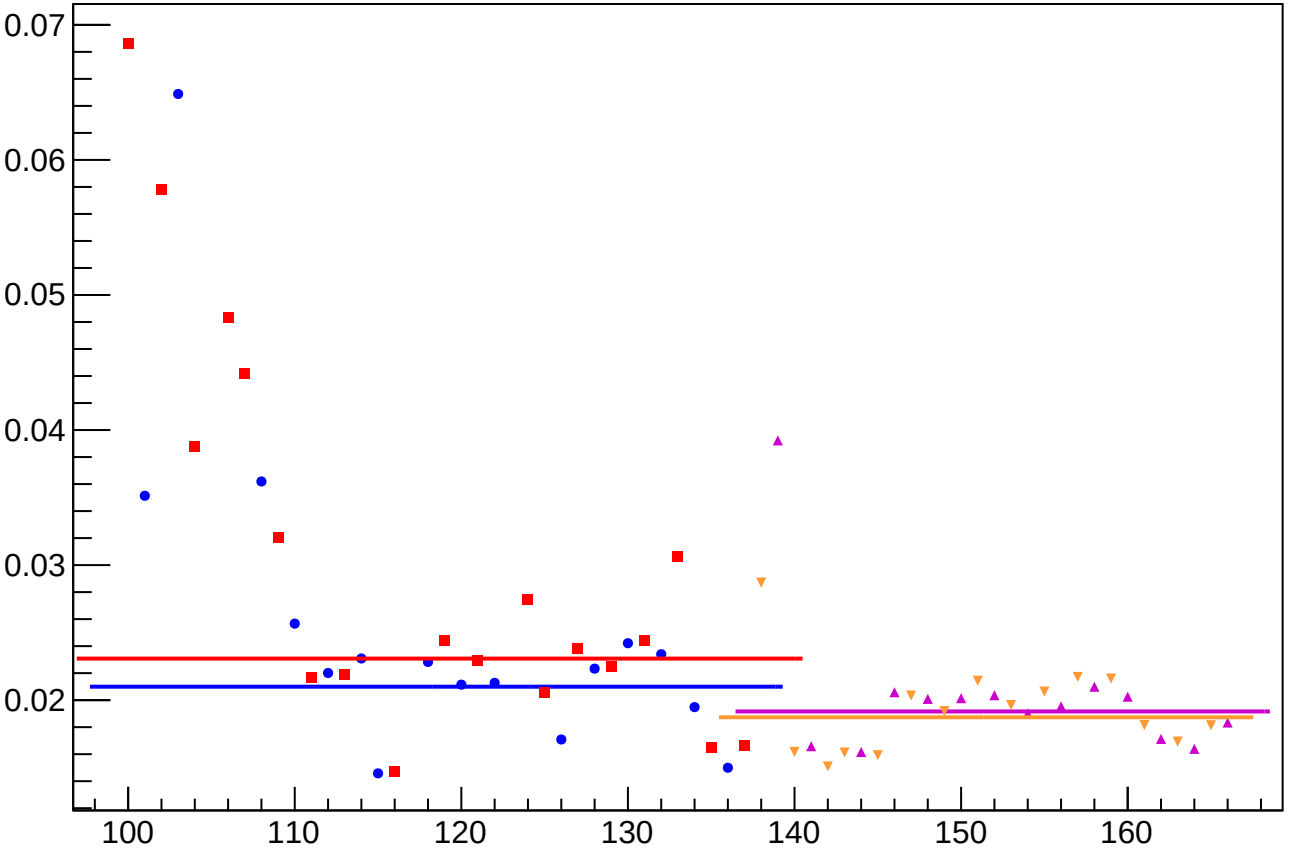
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.065+/-0.000 χ^2/NDF:1003064883.2/29

Out: -1.086+/-0.000 χ^2/NDF:1004719379.8/33

All: -1.076+/-0.000 χ^2/NDF: 2015357068.7/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:401871.8/14

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:598347.0/13

Left: 0.019+/-0.000 χ^2/NDF: 1004982.5/28

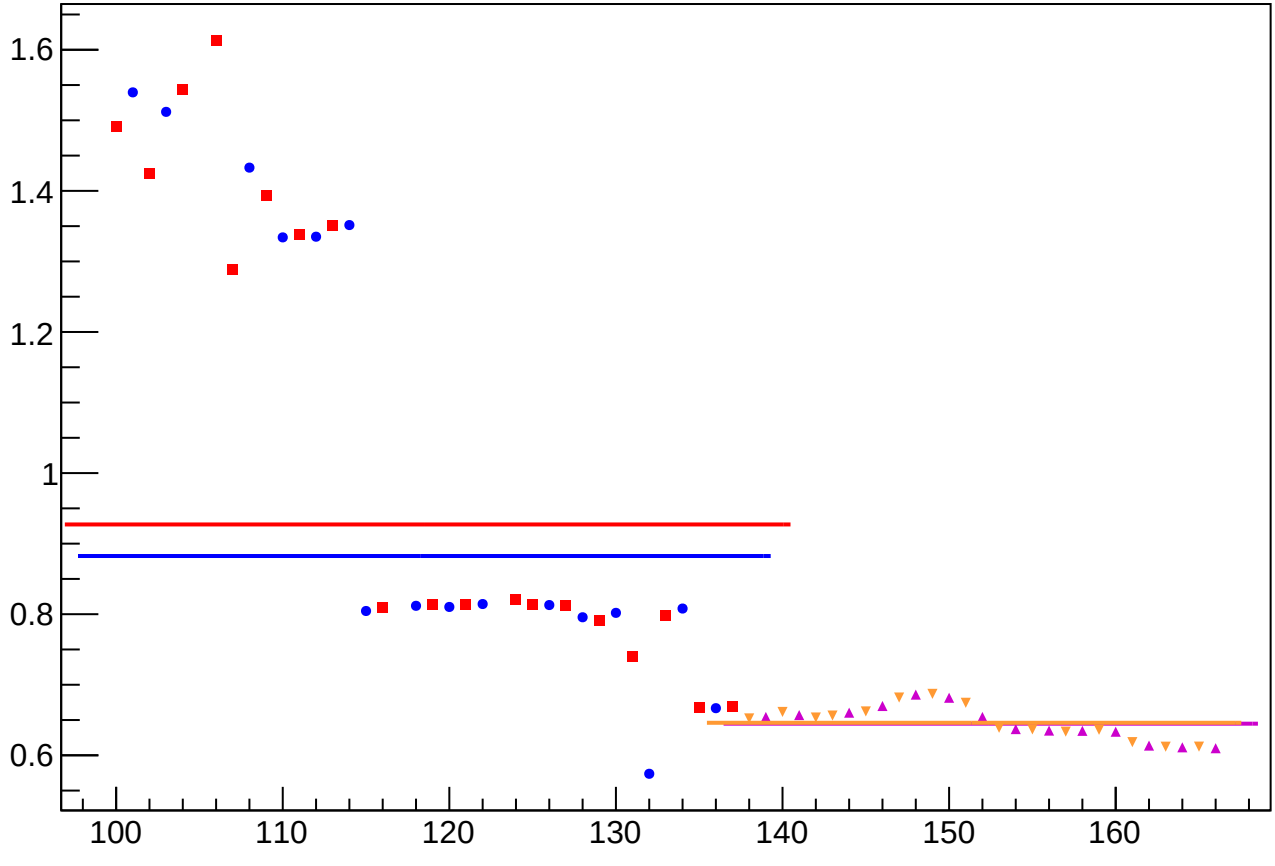
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1820302.5/29

Out: 0.020+/-0.000 χ^2/NDF:1965670.0/33

All: 0.020+/-0.000 χ^2/NDF: 3787448.3/63

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.646+/-0.000 χ^2/NDF:35095567.4/14

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.645+/-0.000 χ^2/NDF:34108322.1/13

Left: 0.645+/-0.000 χ^2/NDF: 69263245.9/28

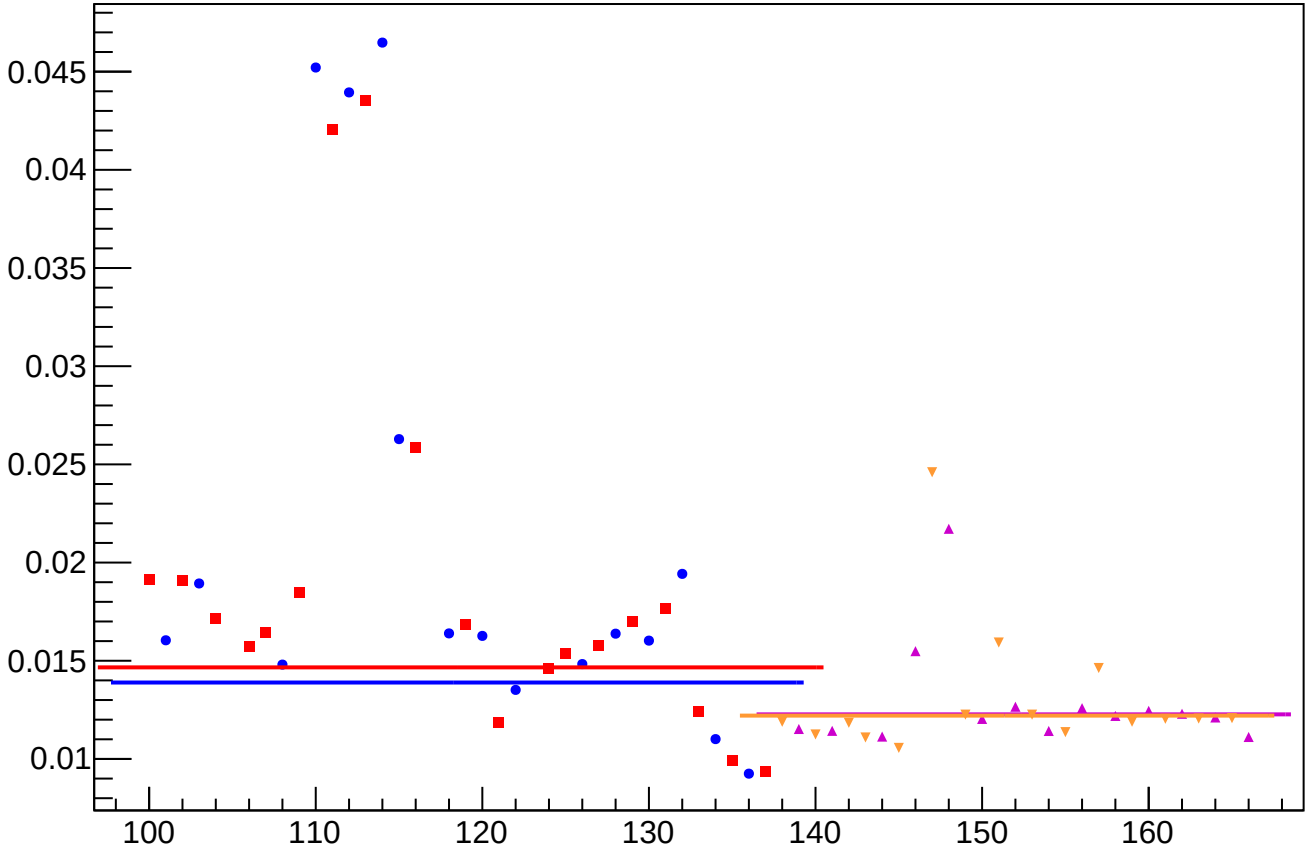
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.715+/-0.000 χ^2/NDF:4037553413.6/29

Out: 0.725+/-0.000 χ^2/NDF:4442168065.9/33

All: 0.720+/-0.000 χ^2/NDF: 8484028370.7/63

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:608838.5/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:426067.2/13

Left: 0.012+/-0.000 χ^2/NDF: 1035201.4/28

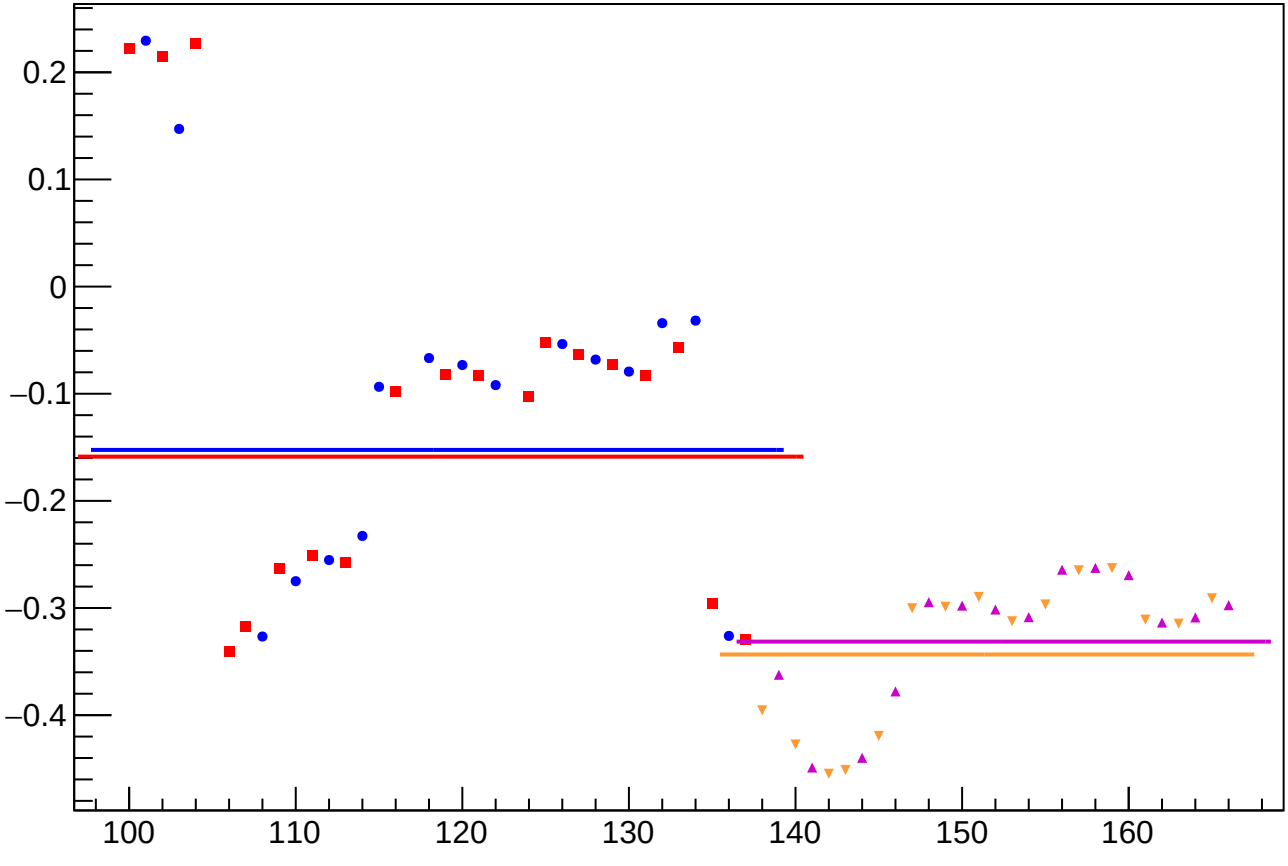
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2186314.0/29

Out: 0.013+/-0.000 χ^2/NDF:2326899.0/33

All: 0.013+/-0.000 χ^2/NDF: 4515249.6/63

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.343+/-0.000 χ^2/NDF:121596041.4/14

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.331+/-0.000 χ^2/NDF:102817550.2/13

Left: -0.338+/-0.000 χ^2/NDF: 226278780.2/28

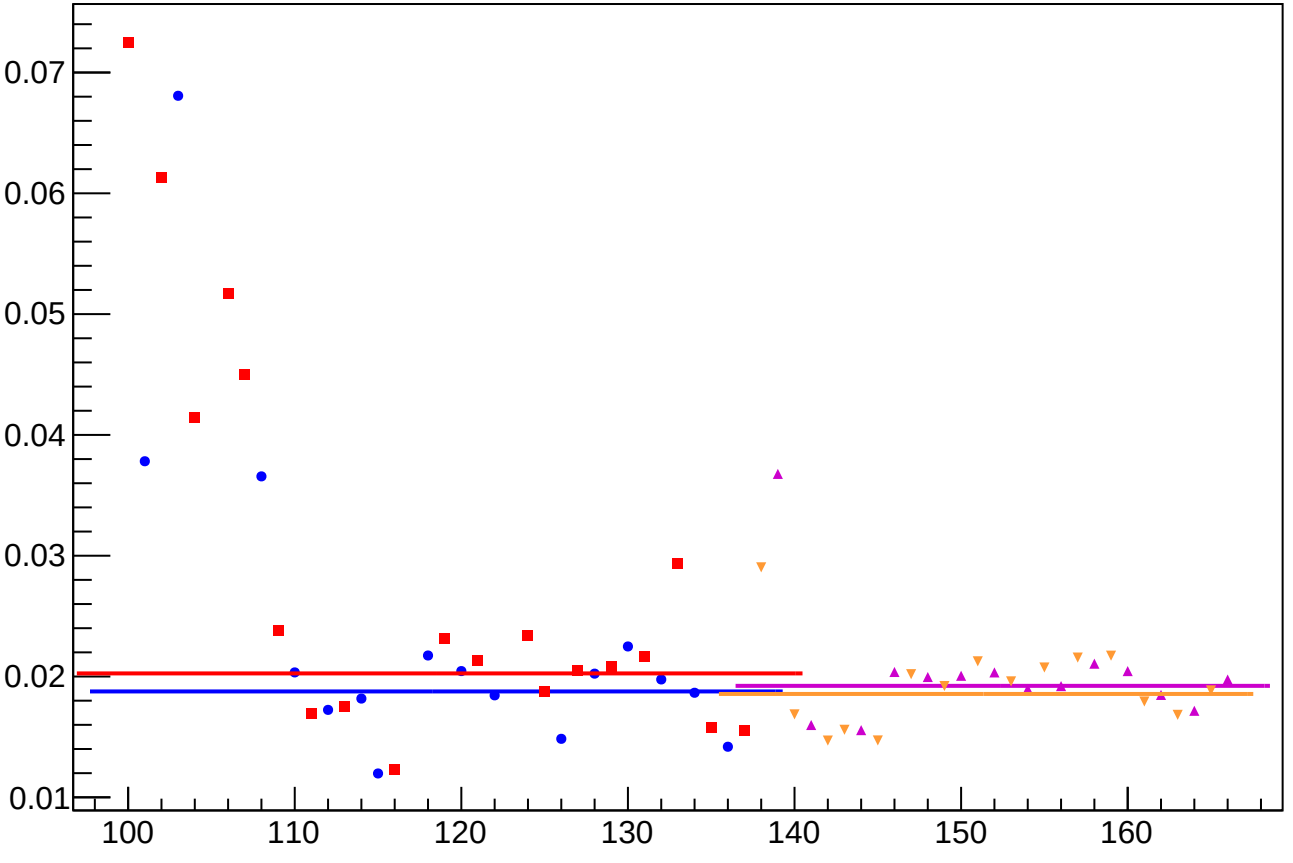
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.264+/-0.000 χ^2/NDF:676831264.2/29

Out: -0.283+/-0.000 χ^2/NDF:620508391.3/33

All: -0.273+/-0.000 χ^2/NDF: 1304107226.3/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:477606.7/14

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:553919.1/13

Left: 0.019+/-0.000 χ^2/NDF: 1043199.5/28

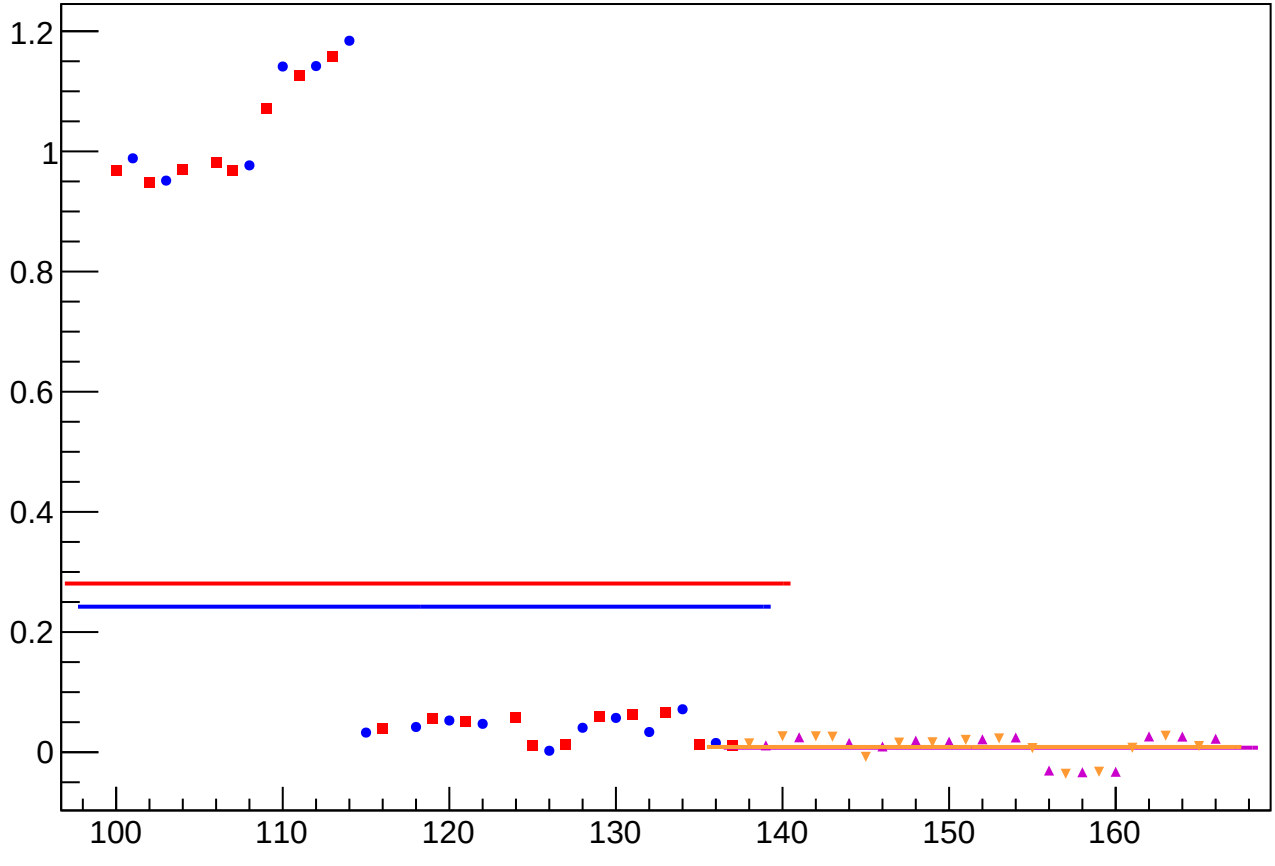
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1907343.5/29

Out: 0.019+/-0.000 χ^2/NDF:2058672.7/33

All: 0.019+/-0.000 χ^2/NDF: 3966175.9/63

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38042761.8/14

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.008+/-0.000 χ^2/NDF:48770063.4/13

Left: 0.008+/-0.000 χ^2/NDF: 86883116.1/28

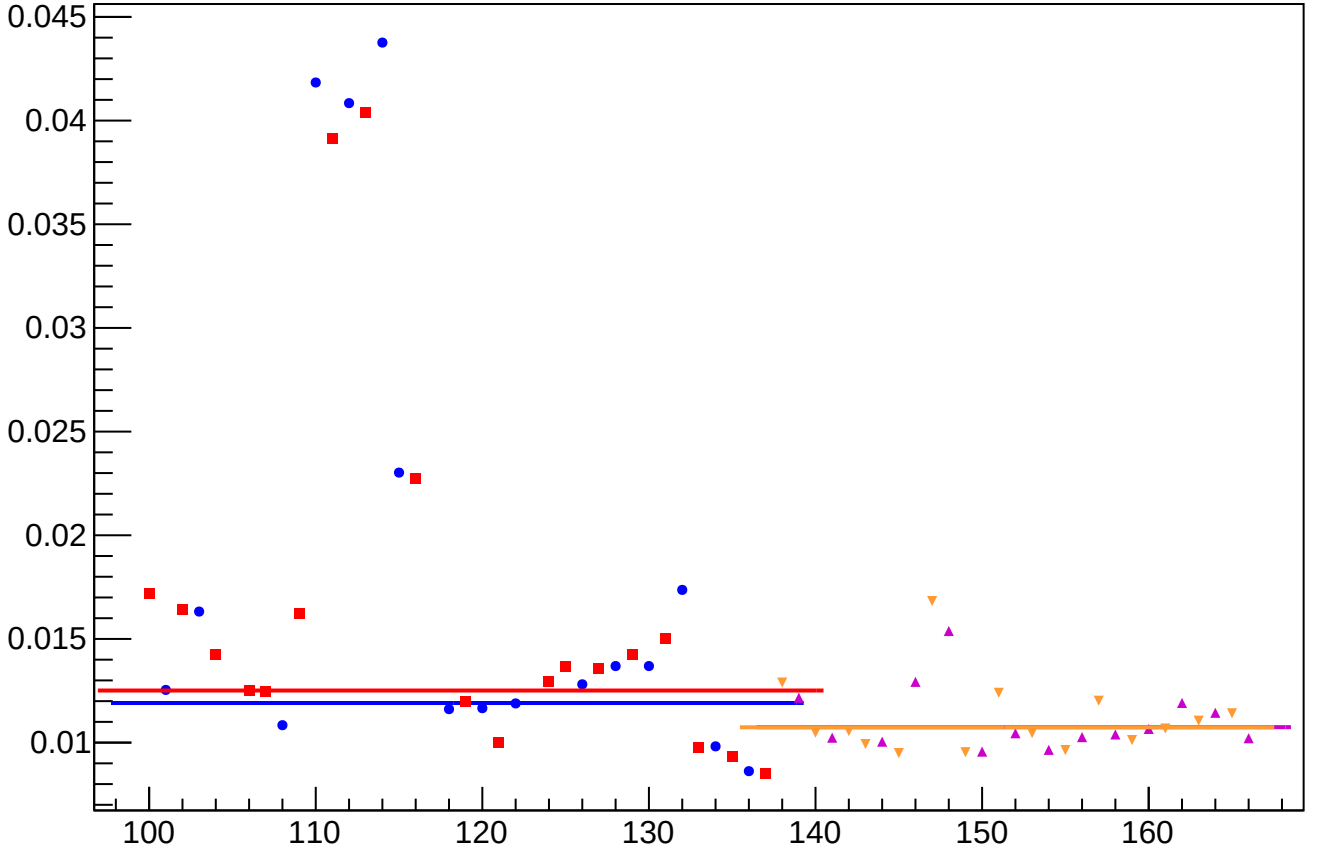
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.080+/-0.000 χ^2/NDF:8159502553.0/29

Out: 0.087+/-0.000 χ^2/NDF:8856962543.9/33

All: 0.084+/-0.000 χ^2/NDF: 17020099683.0/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:394746.6/14

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:304458.5/13

Left: 0.011+/-0.000 χ^2/NDF: 699209.1/28

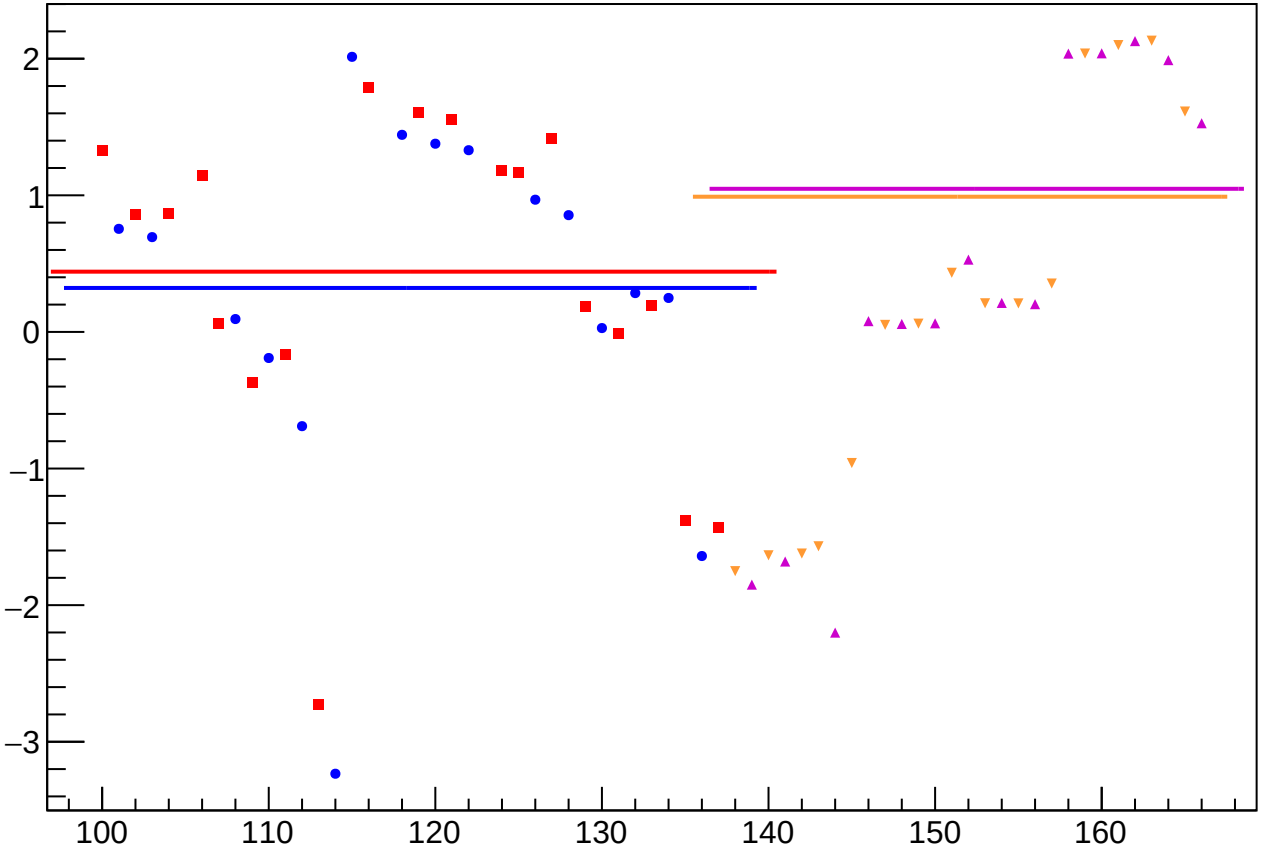
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1842865.5/29

Out: 0.011+/-0.000 χ^2/NDF:1962474.4/33

All: 0.011+/-0.000 χ^2/NDF: 3808246.8/63

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.990+/-0.000 χ^2/NDF:27821041721.3/14

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.048+/-0.000 χ^2/NDF:32319309070.6/13

Left: 1.021+/-0.000 χ^2/NDF: 60194631008.2/28

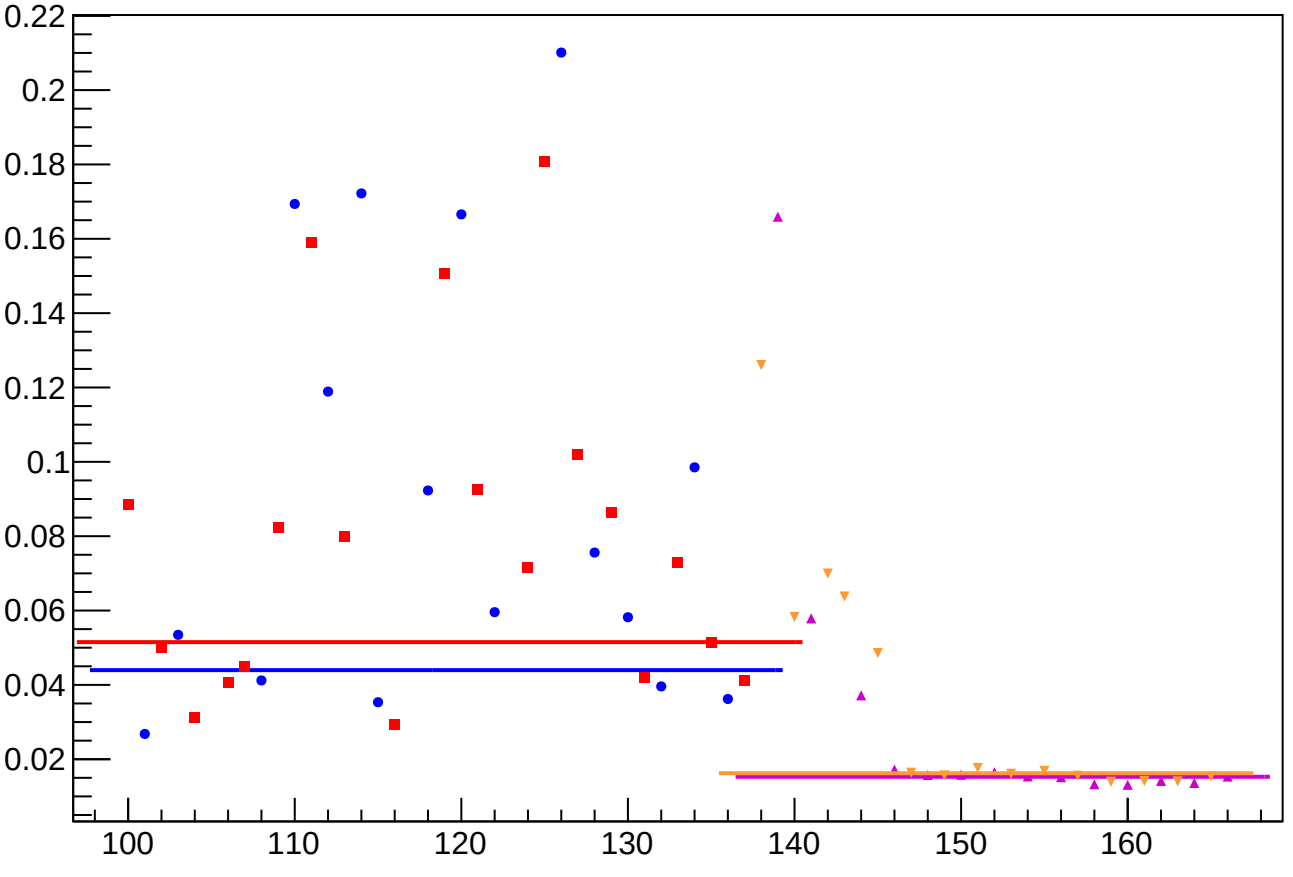
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.008+/-0.000 χ^2/NDF:34973043720.6/29

Out: 0.962+/-0.000 χ^2/NDF:30087733344.6/33

All: 0.986+/-0.000 χ^2/NDF: 65098142796.9/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2876356.7/14

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143723.5/13

Left: 0.016+/-0.000 χ^2/NDF: 5049464.8/28

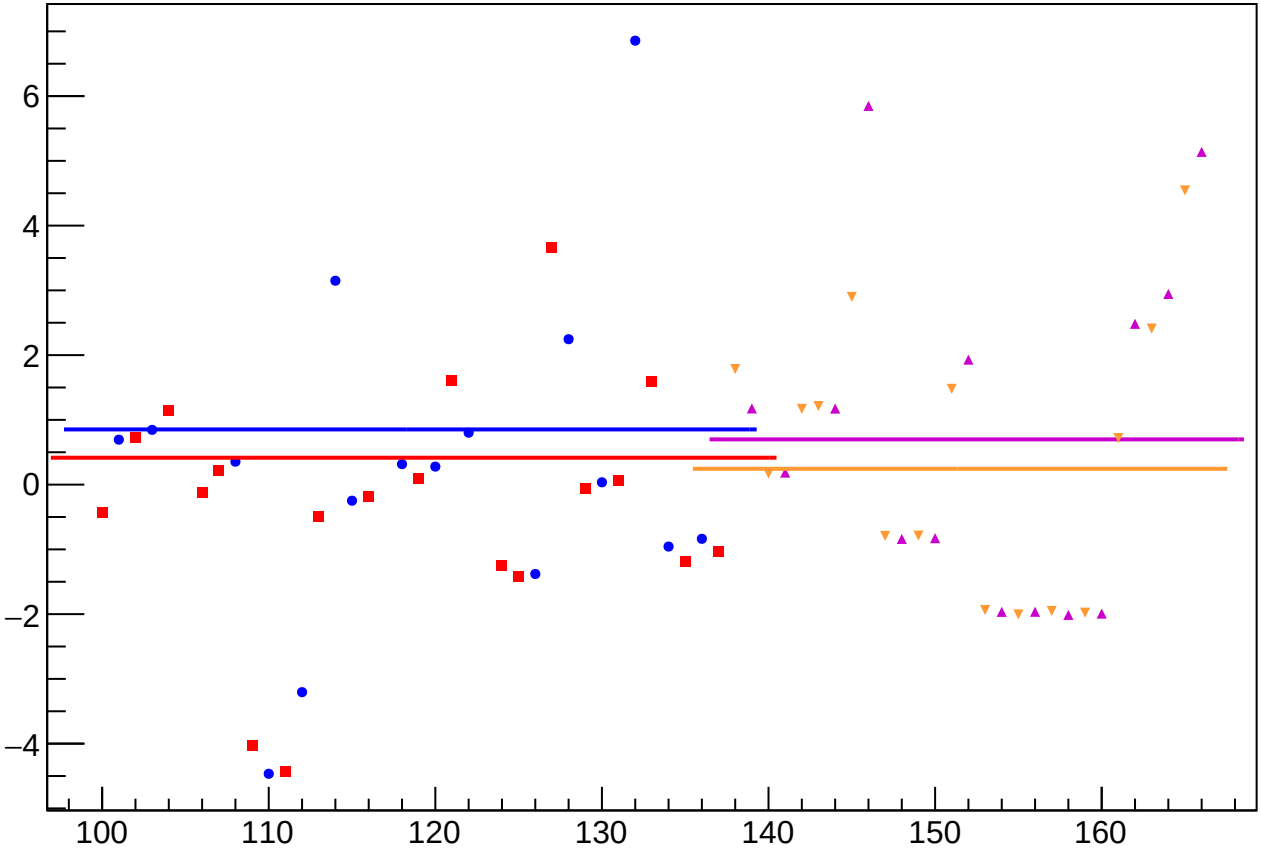
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8020419.0/29

Out: 0.018+/-0.000 χ^2/NDF:9127301.1/33

All: 0.017+/-0.000 χ^2/NDF: 17197766.6/63

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.245+/-0.000 χ^2/NDF:246058597333.9/14

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.699+/-0.000 χ^2/NDF:424364572439.1/13

Left: 0.482+/-0.000 χ^2/NDF: 675560581774.0/28

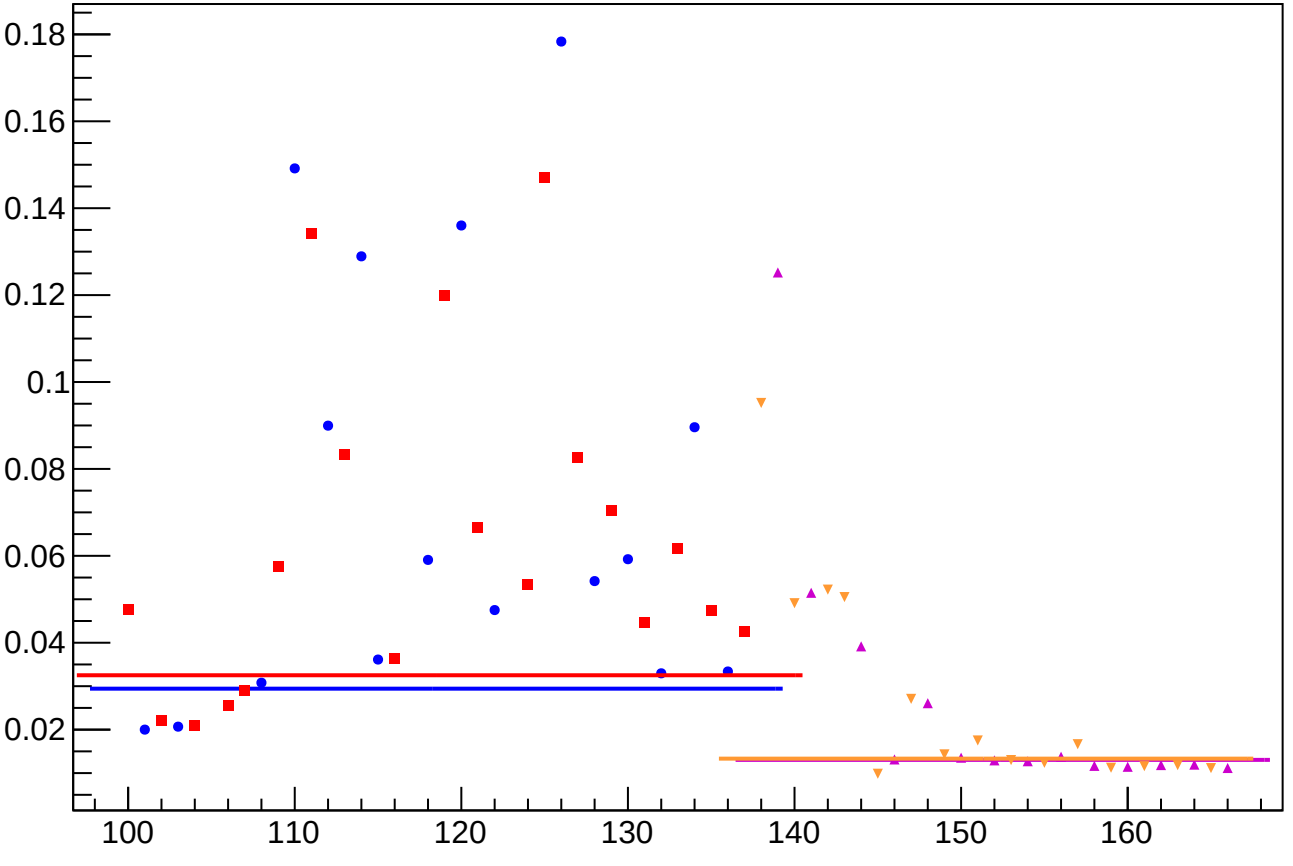
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.710+/-0.000 χ^2/NDF:436033603298.6/29

Out: 0.258+/-0.000 χ^2/NDF:251286367305.0/33

All: 0.494+/-0.000 χ^2/NDF: 692843820740.1

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3070780.3/14

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2664253.3/13

Left: 0.013+/-0.000 χ^2/NDF: 5739093.1/28

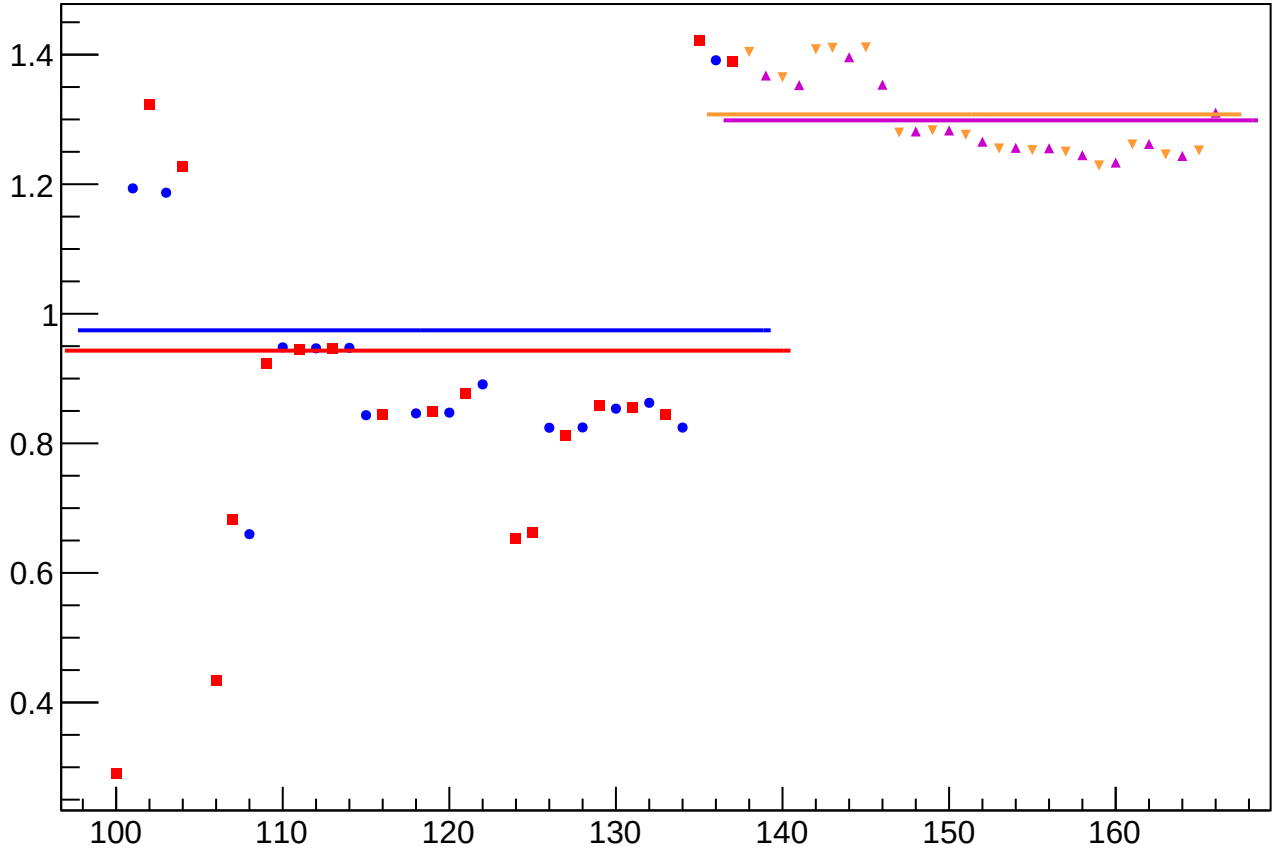
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:7971958.1/29

Out: 0.015+/-0.000 χ^2/NDF:9042435.5/33

All: 0.015+/-0.000 χ^2/NDF: 17027989.1/63

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.308+/-0.000 χ^2/NDF:259709314.9/14

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.299+/-0.000 χ^2/NDF:152296251.4/13

Left: 1.303+/-0.000 χ^2/NDF: 414348019.8/28

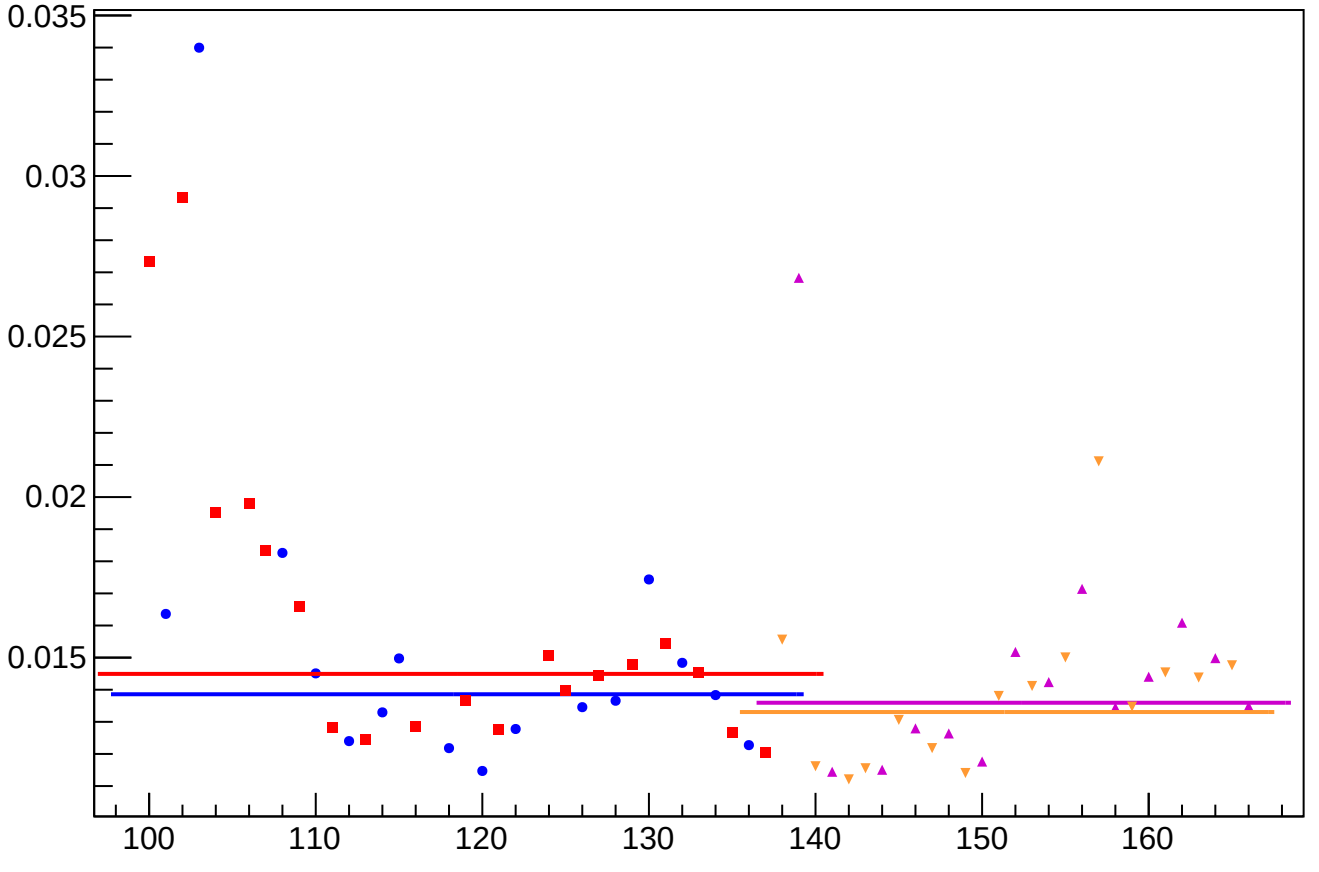
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.178+/-0.000 χ^2/NDF:3741649847.7/29

Out: 1.181+/-0.000 χ^2/NDF:4575553867.2/33

All: 1.179+/-0.000 χ^2/NDF: 8317645190.4/63

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:400746.8/14

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:684660.4/13

Left: 0.013+/-0.000 χ^2/NDF: 1090057.8/28

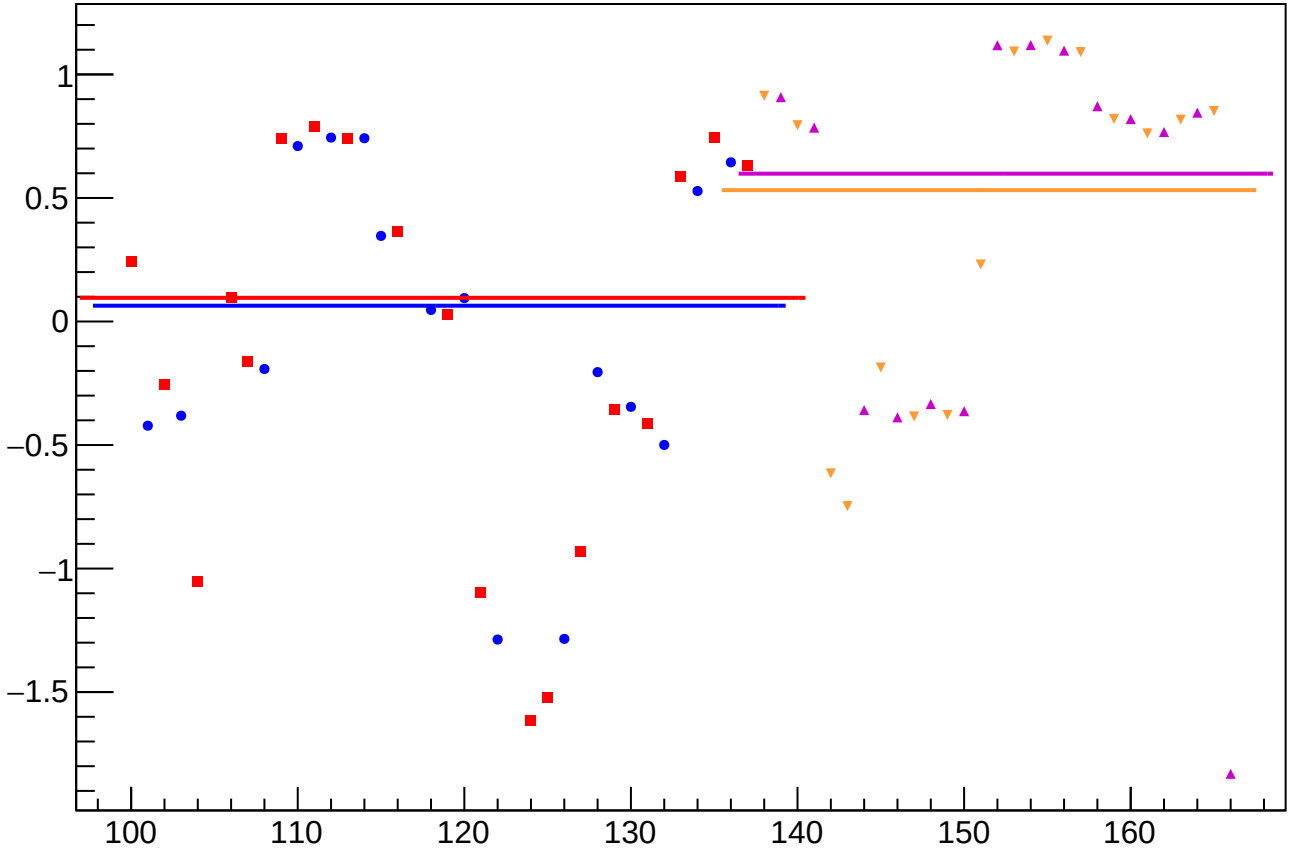
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1287480.3/29

Out: 0.014+/-0.000 χ^2/NDF:1001192.3/33

All: 0.014+/-0.000 χ^2/NDF: 2288730.5/63

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.532+/-0.000 χ^2/NDF:26916421250.4/14

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.598+/-0.000 χ^2/NDF:36842725111.7/13

Left: 0.566+/-0.000 χ^2/NDF: 63927434016.9/28

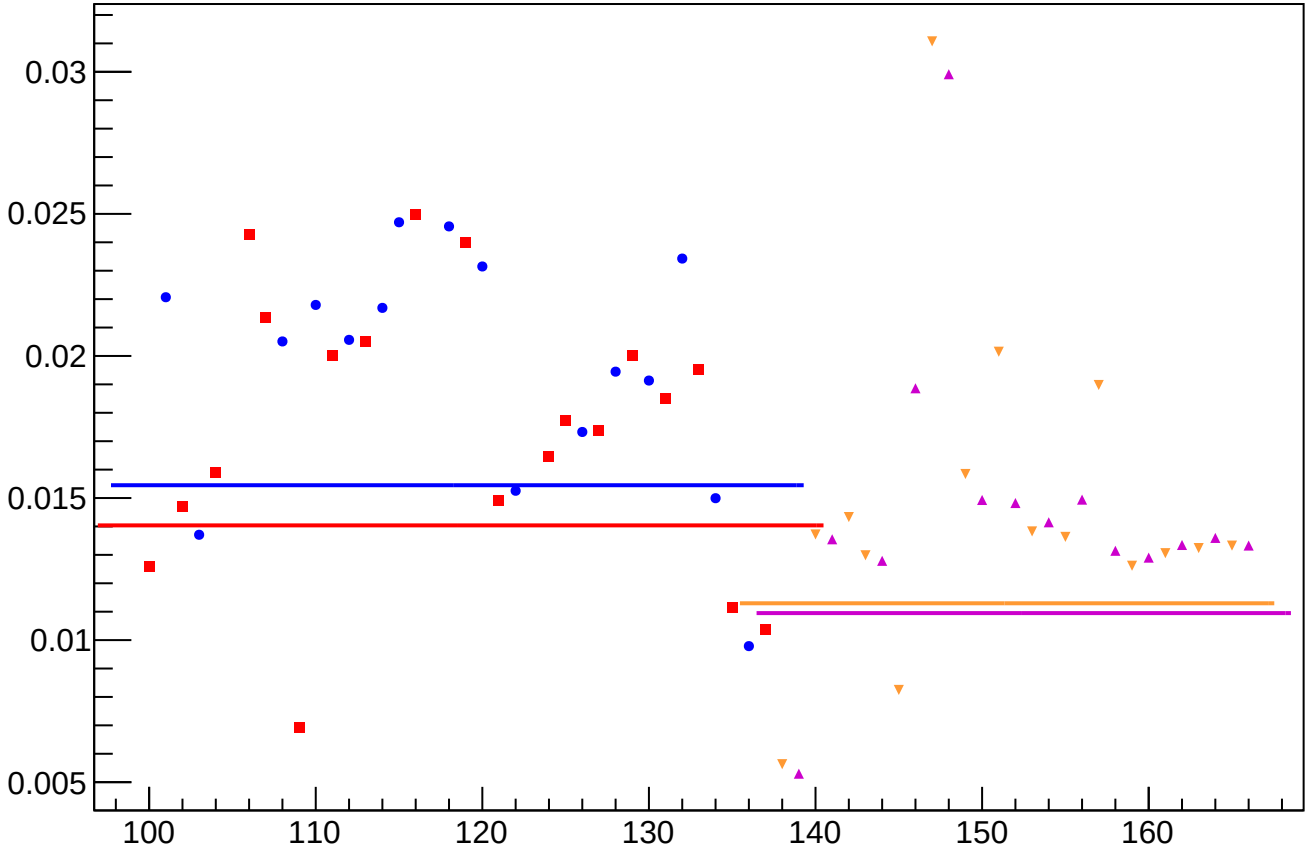
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.467+/-0.000 χ^2/NDF:53301120630.6/29

Out: 0.407+/-0.000 χ^2/NDF:48750285511.4/33

All: 0.437+/-0.000 χ^2/NDF: 102236897885.0

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:3070102.3/14

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3465811.3/13

Left: 0.011+/-0.000 χ^2/NDF: 6544972.6/28

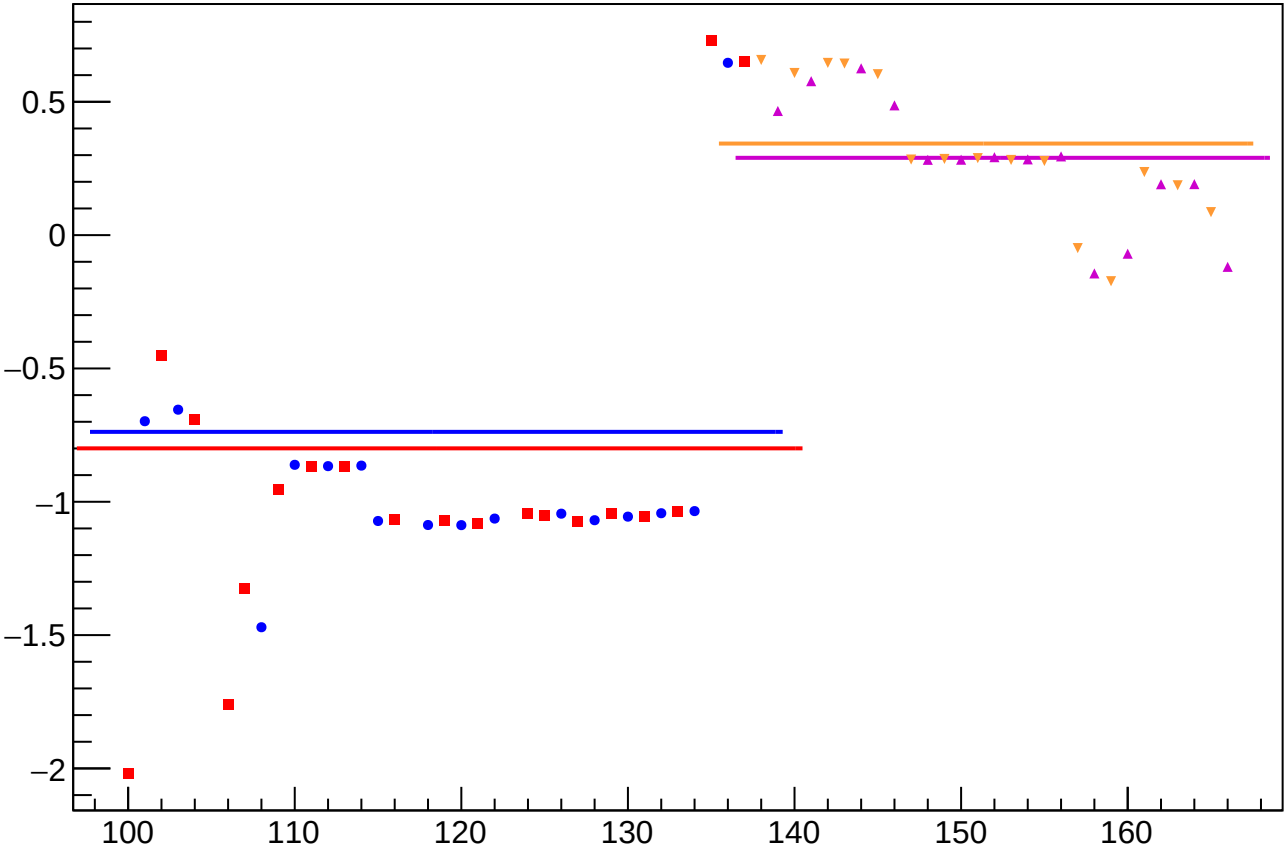
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5528522.7/29

Out: 0.012+/-0.000 χ^2/NDF:5076994.0/33

All: 0.012+/-0.000 χ^2/NDF: 10605574.3/63

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.343+/-0.000 χ^2/NDF:504477948.7/14

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.290+/-0.000 χ^2/NDF:472686576.1/13

Left: 0.317+/-0.000 χ^2/NDF: 989160806.0/28

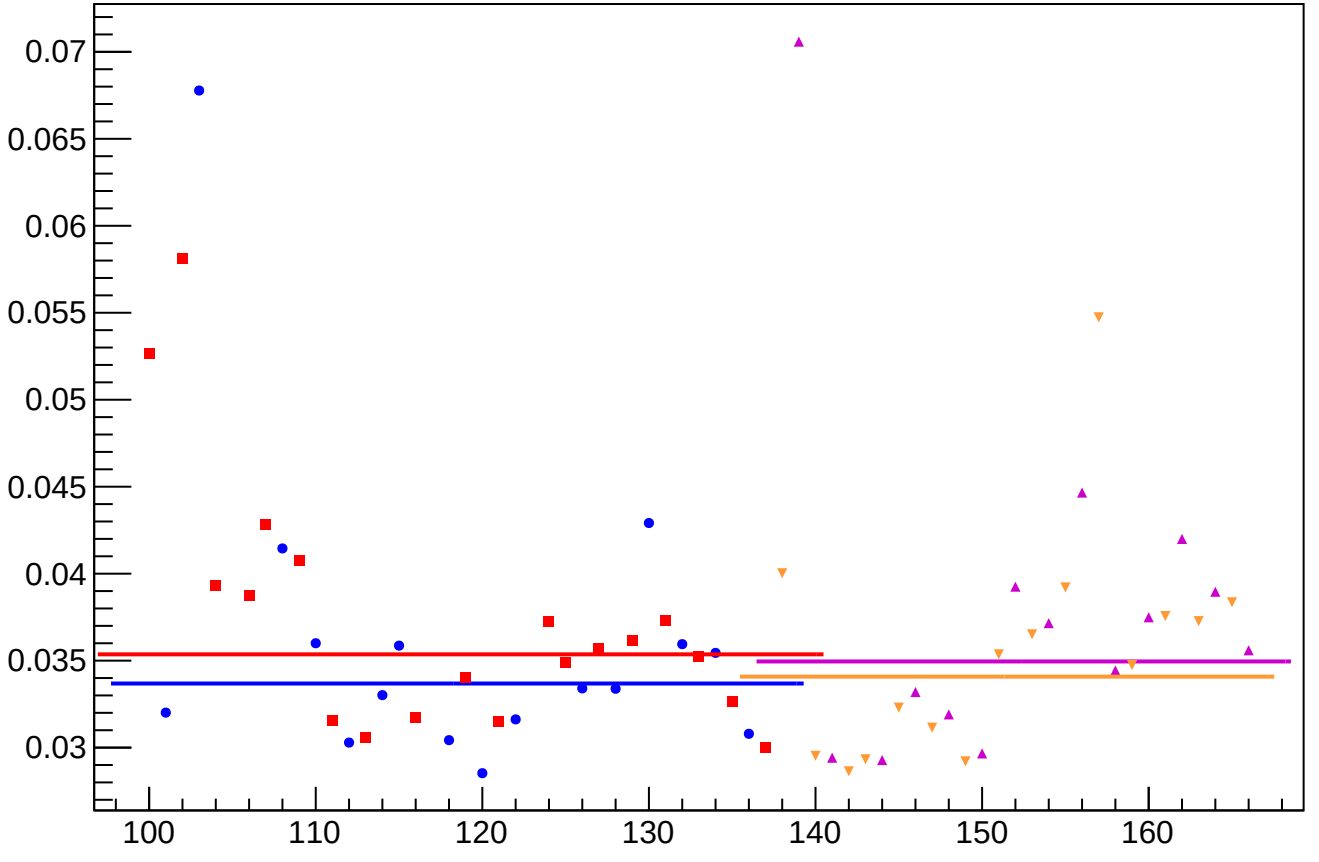
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.127+/-0.000 χ^2/NDF:6033986058.7/29

Out: -0.085+/-0.000 χ^2/NDF:6615148820.9/33

All: -0.106+/-0.000 χ^2/NDF: 12661309238.4/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:436130.0/14

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:745279.1/13

Left: 0.035+/-0.000 χ^2/NDF: 1187795.1/28

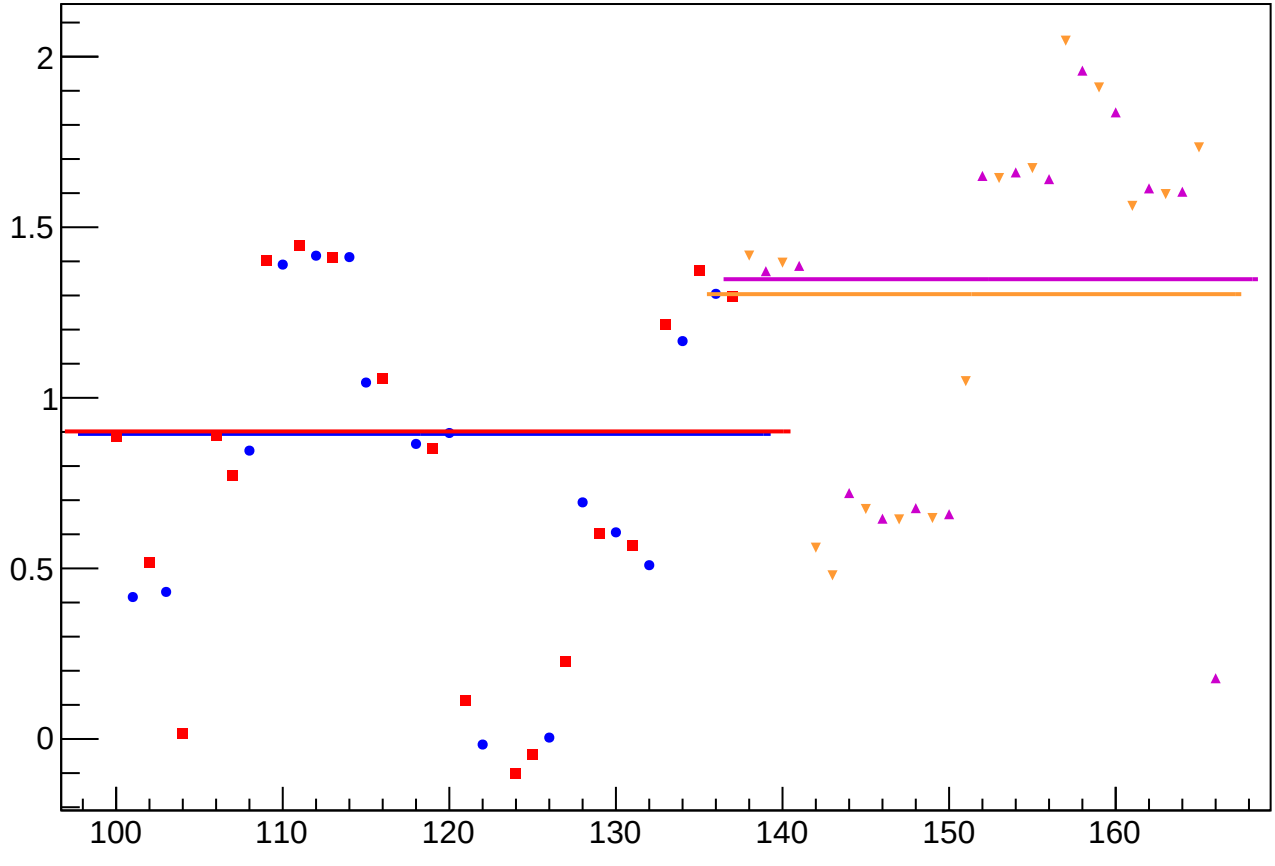
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1176127.0/29

Out: 0.035+/-0.000 χ^2/NDF:743111.5/33

All: 0.035+/-0.000 χ^2/NDF: 1919440.9/63

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.304+/-0.000 χ^2/NDF:32339163277.5/14

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.348+/-0.000 χ^2/NDF:30473802563.2/13

Left: 1.325+/-0.000 χ^2/NDF: 62936634463.4/28

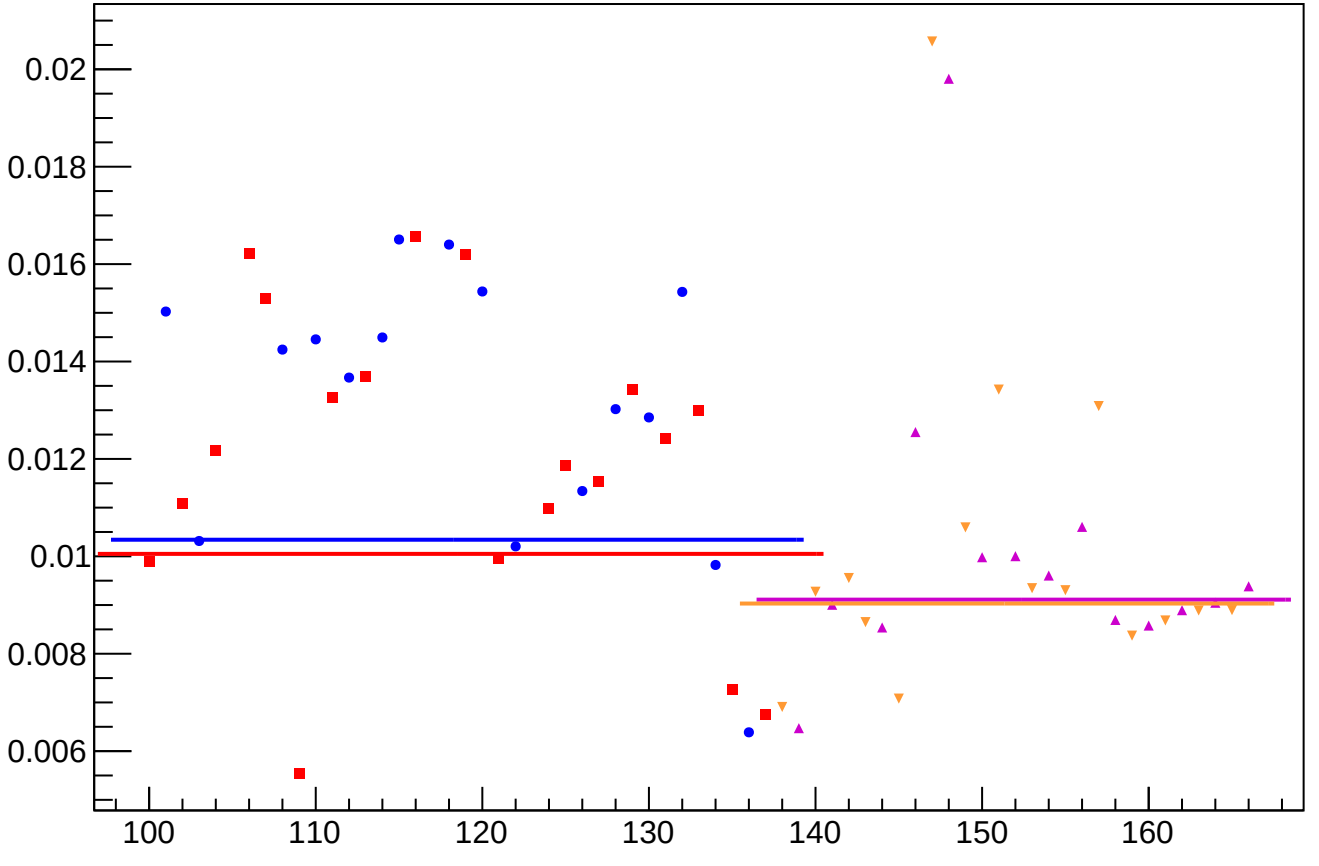
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.209+/-0.000 χ^2/NDF:51186065570.8/29

Out: 1.177+/-0.000 χ^2/NDF:56918443788.1/33

All: 1.193+/-0.000 χ^2/NDF: 108199671740.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1123829.9/14

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:918883.7/13

Left: 0.009+/-0.000 χ^2/NDF: 2043541.5/28

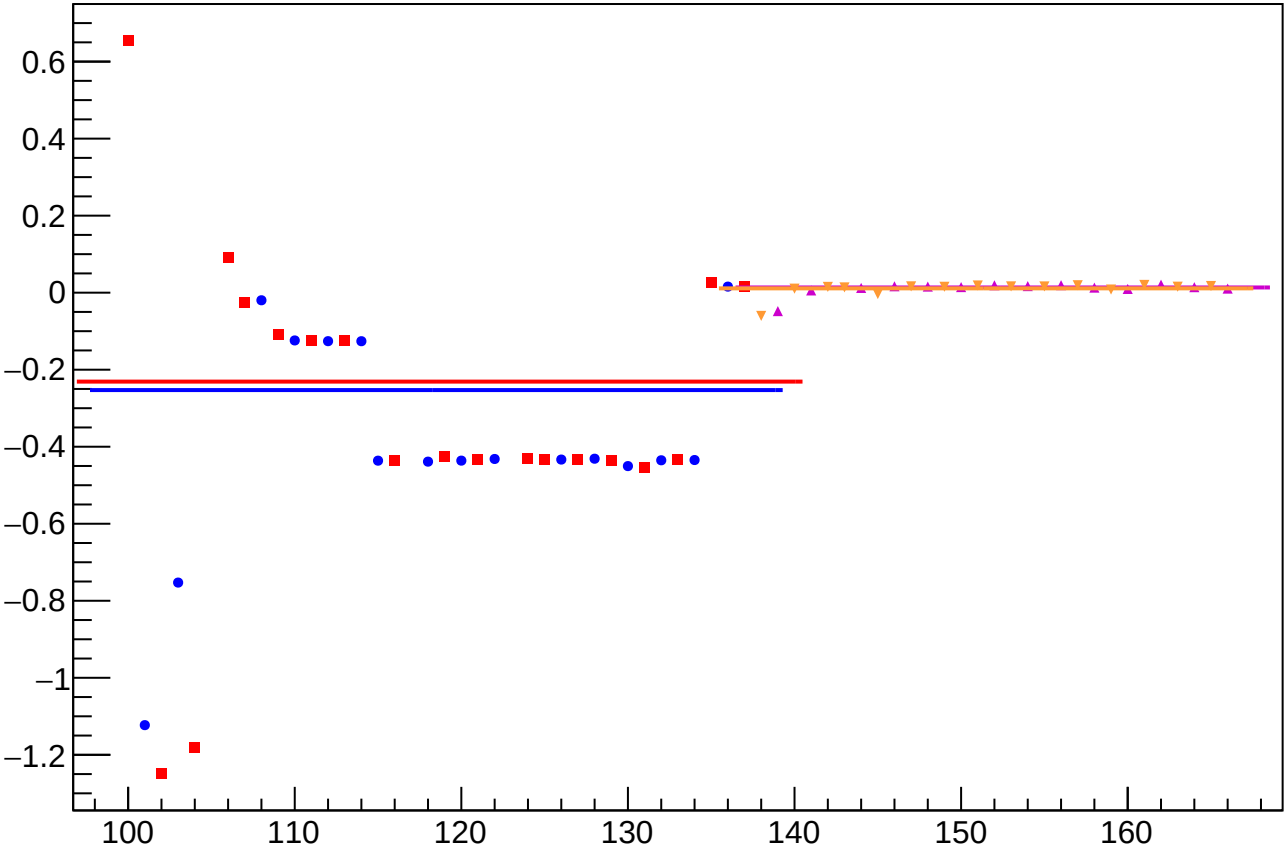
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2386571.2/29

Out: 0.009+/-0.000 χ^2/NDF:2546581.6/33

All: 0.009+/-0.000 χ^2/NDF: 4936561.8/63

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:23079249.8/14

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6251863.4/13

Left: 0.012+/-0.000 χ^2/NDF: 29611023.4/28

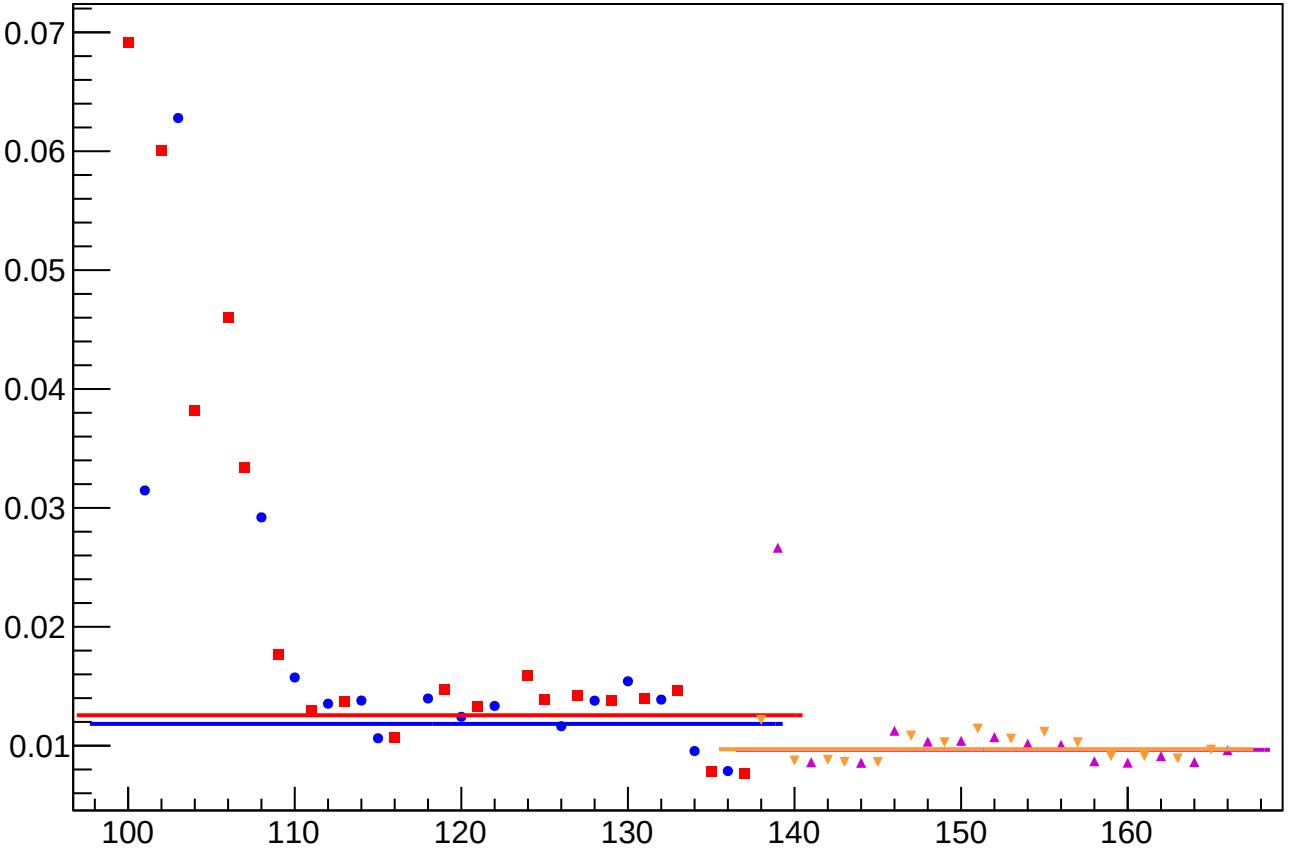
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.056+/-0.000 χ^2/NDF:3896133868.3/29

Out: -0.046+/-0.000 χ^2/NDF:3255705997.4/33

All: -0.051+/-0.000 χ^2/NDF: 7158833266.1/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:222044.2/14

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:845448.1/13

Left: 0.010+/-0.000 χ^2/NDF: 1067744.8/28

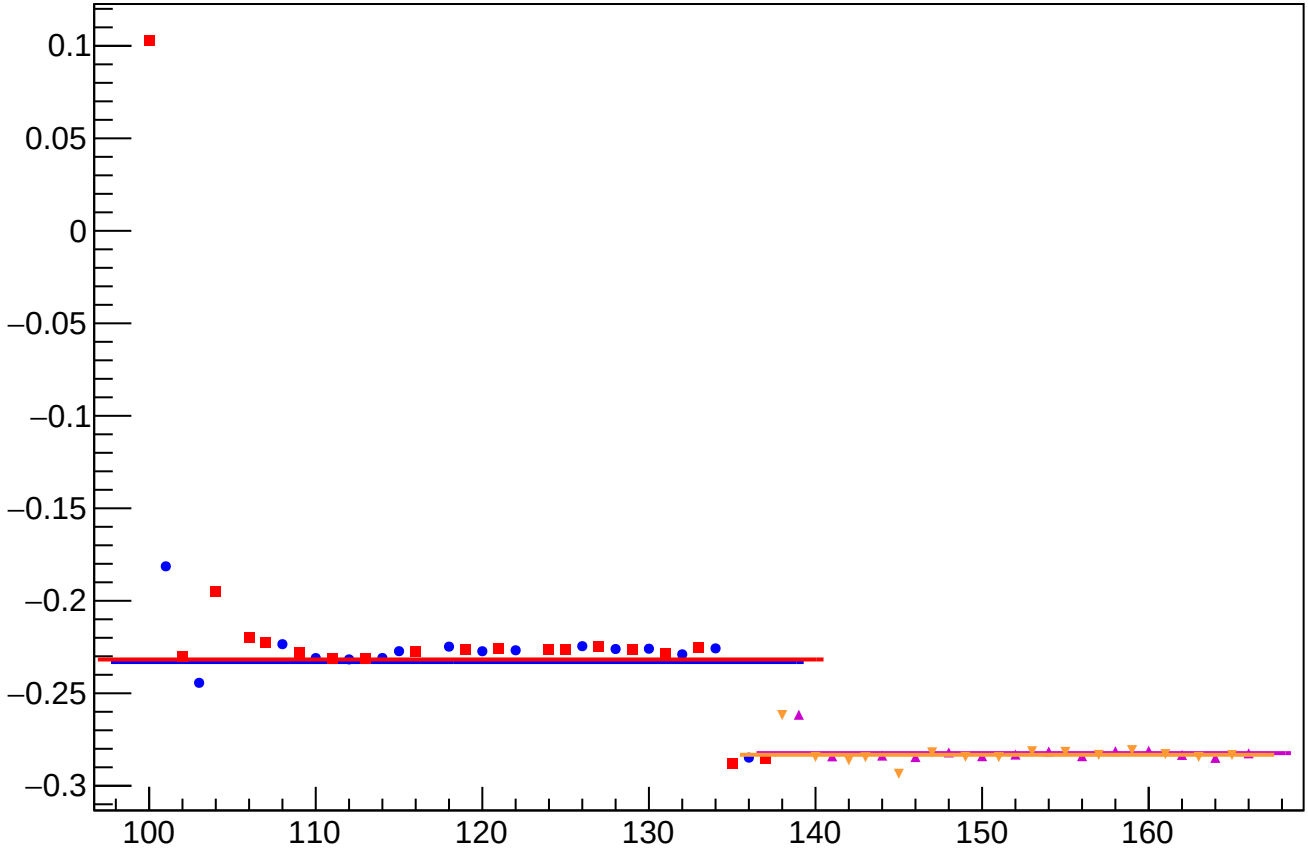
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3037964.8/29

Out: 0.010+/-0.000 χ^2/NDF:2836118.1/33

All: 0.010+/-0.000 χ^2/NDF: 5877263.0/63

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:15014174.1/14

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6480135.0/13

Left: -0.283+/-0.000 χ^2/NDF: 21657562.1/28

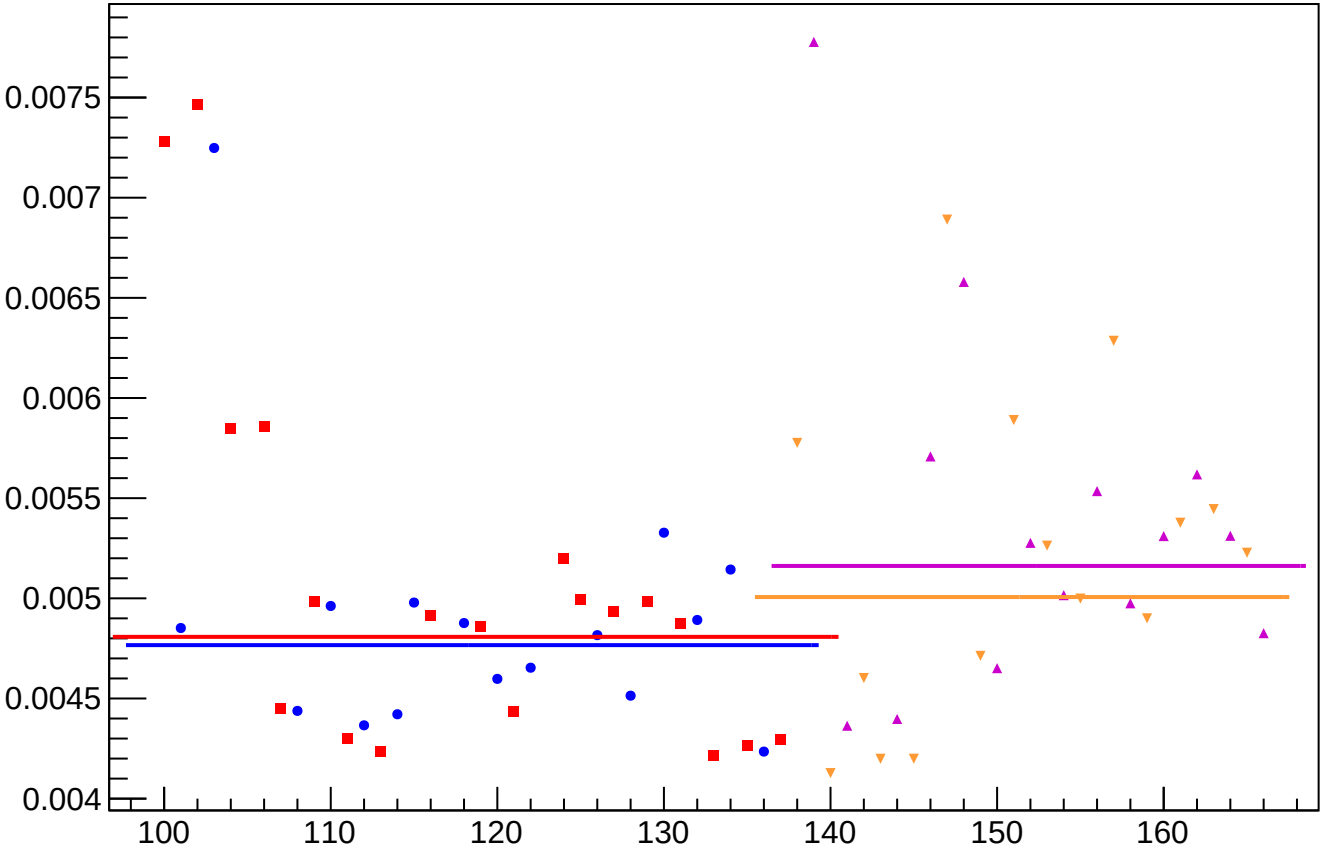
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.262+/-0.000 χ^2/NDF:608510509.2/29

Out: -0.263+/-0.000 χ^2/NDF:762937693.5/33

All: -0.262+/-0.000 χ^2/NDF: 1371558891.5/6

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:453111.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:423633.3/13

Left: 0.005+/-0.000 χ^2/NDF: 886782.3/28

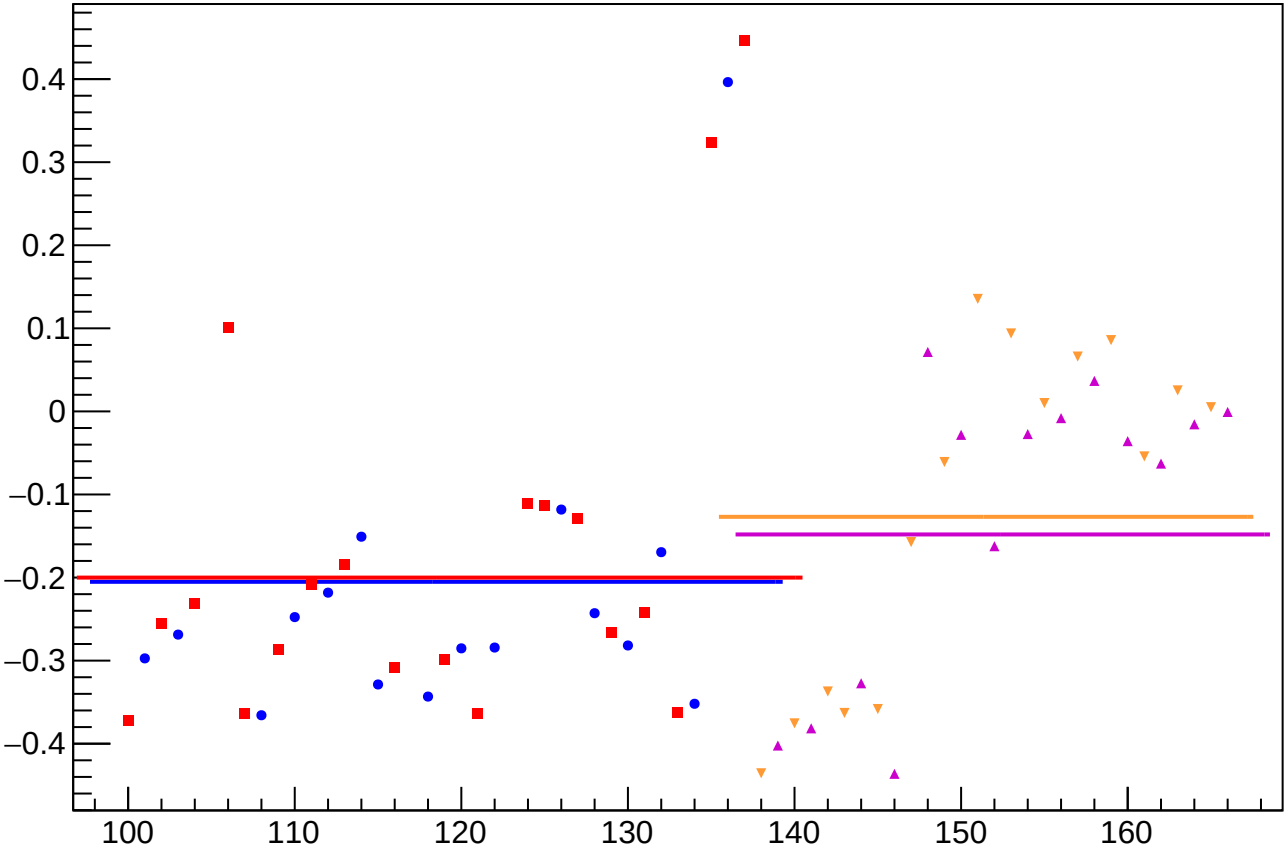
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:667317.3/29

Out: 0.005+/-0.000 χ^2/NDF:760560.0/33

All: 0.005+/-0.000 χ^2/NDF: 1431481.7/63

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.127+/-0.000 χ^2/NDF:14731687325.5/14

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.148+/-0.000 χ^2/NDF:10165926431.5/13

Left: -0.137+/-0.000 χ^2/NDF: 24974976014.8/28

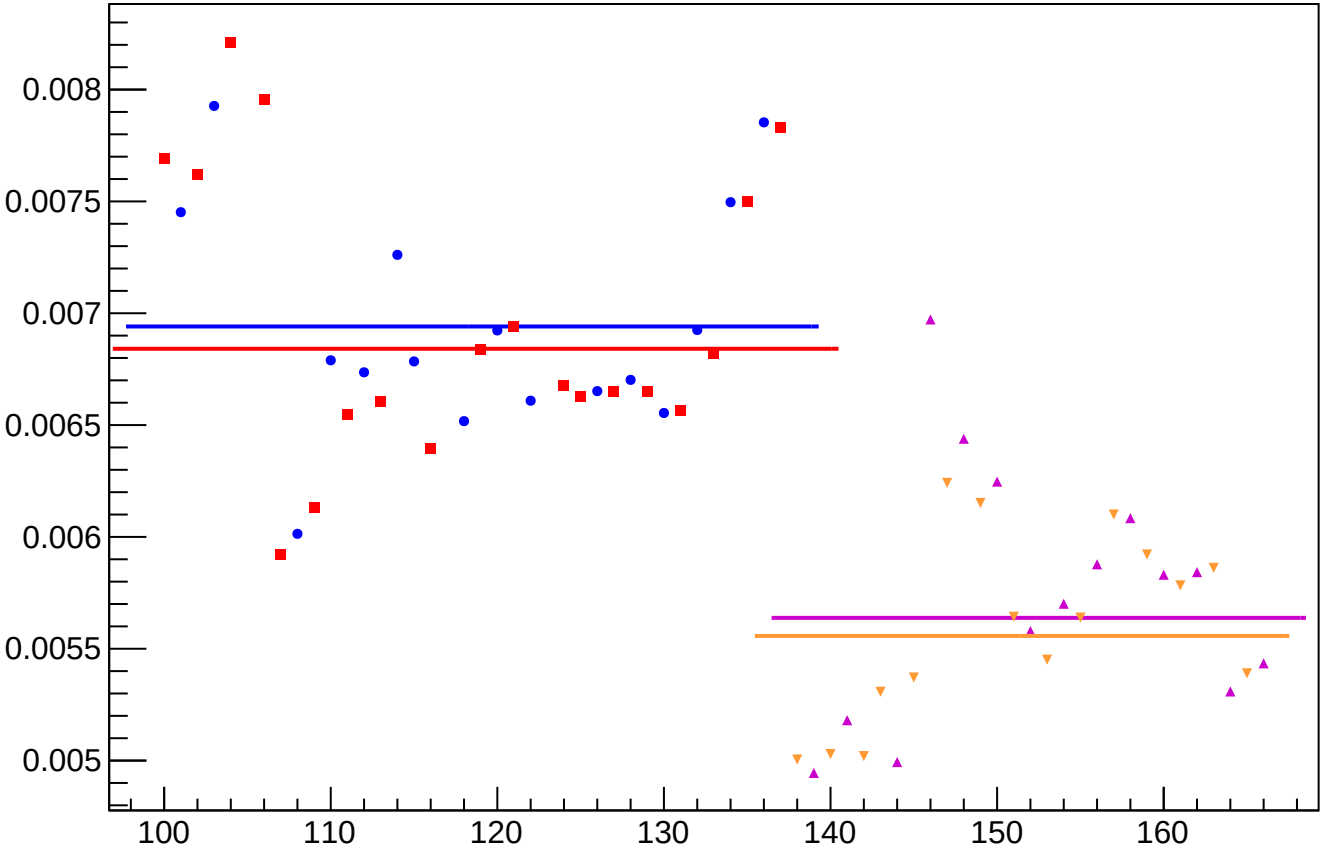
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.165+/-0.000 χ^2/NDF:16685245837.1/29

Out: -0.149+/-0.000 χ^2/NDF:20556609938.1/33

All: -0.157+/-0.000 χ^2/NDF: 37308337224.5/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:109557.3/14

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:185158.6/13

Left: 0.006+/-0.000 χ^2/NDF: 296961.4/28

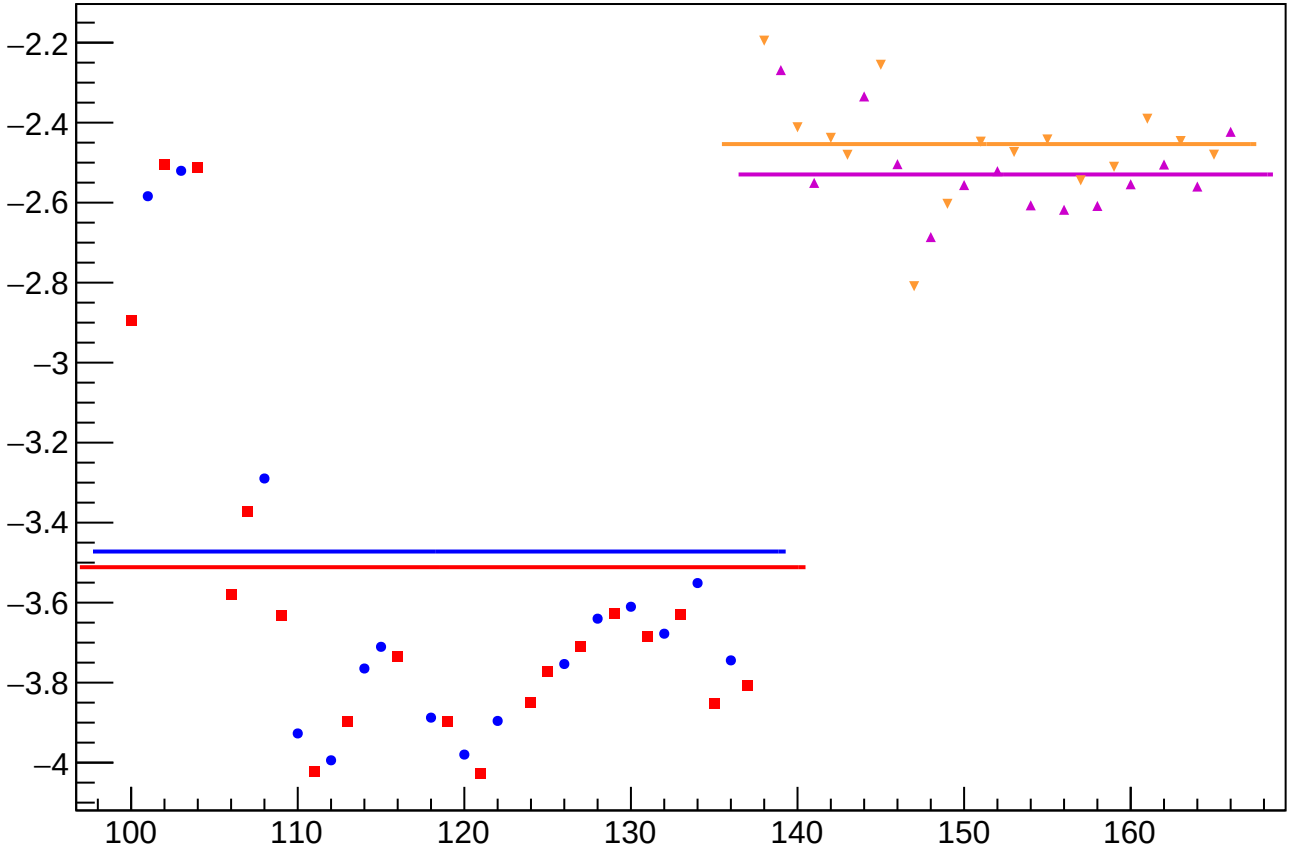
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:615095.8/29

Out: 0.006+/-0.000 χ^2/NDF:563659.9/33

All: 0.006+/-0.000 χ^2/NDF: 1182622.9/63

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.454+/-0.000 χ^2/NDF:1630368101.7/14

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.530+/-0.000 χ^2/NDF:1390539276.2/13

Left: -2.491+/-0.000 χ^2/NDF: 3431474881.8/28

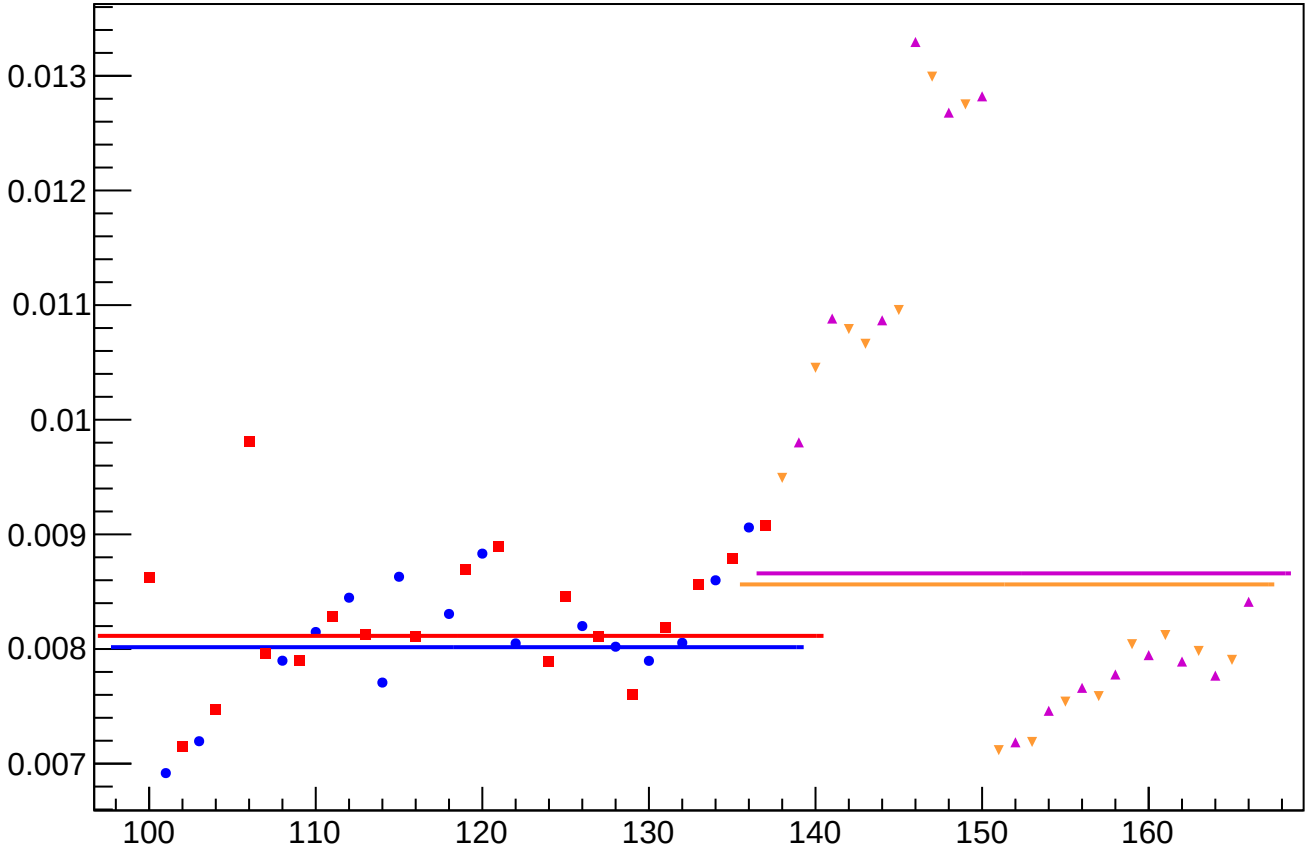
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.943+/-0.000 χ^2/NDF:85203033432.7/29

Out: -2.904+/-0.000 χ^2/NDF:100789174264.8/33

All: -2.923+/-0.000 χ^2/NDF: 186187392869.6

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:743315.5/14

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:845539.8/13

Left: 0.009+/-0.000 χ^2/NDF: 1590173.8/28

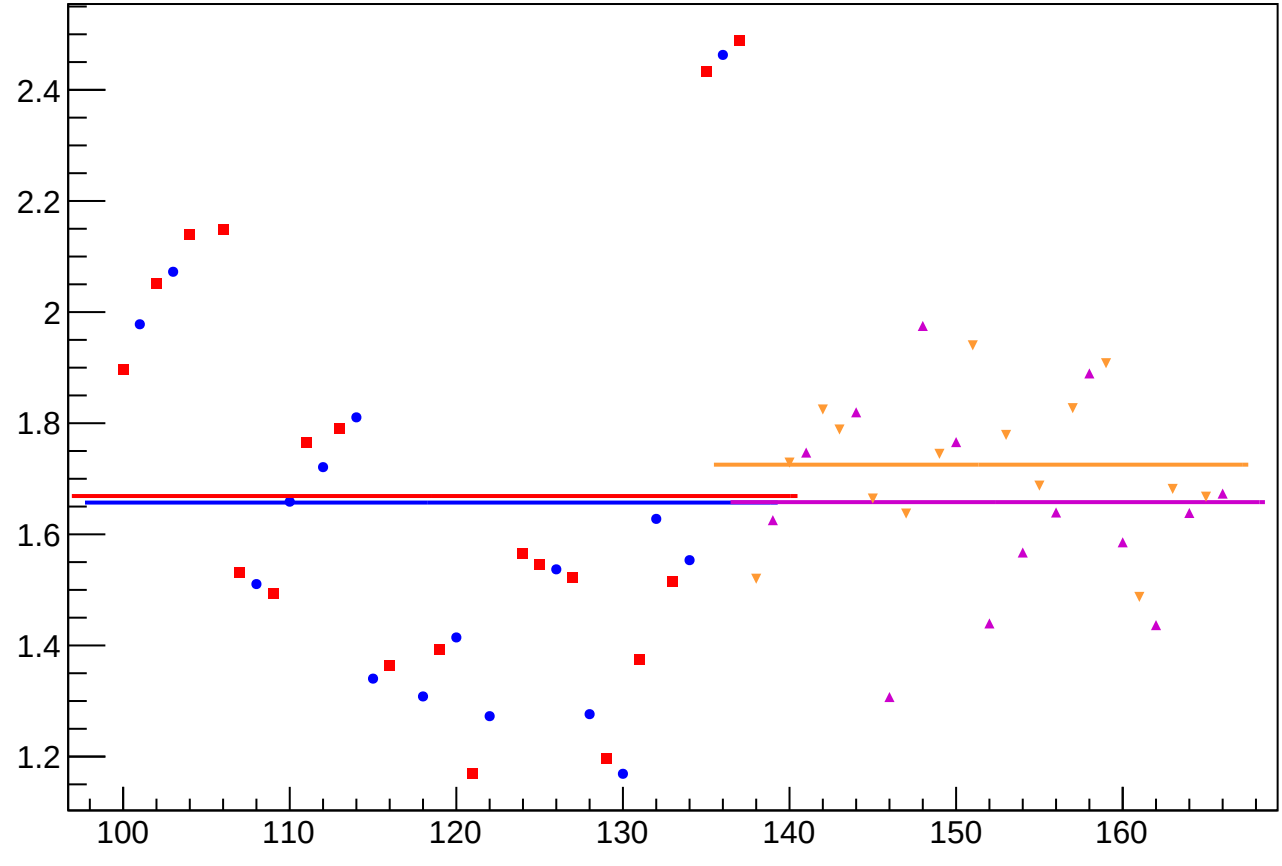
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982343.7/29

Out: 0.008+/-0.000 χ^2/NDF:839398.2/33

All: 0.008+/-0.000 χ^2/NDF: 1821747.6/63

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.725+/-0.000 χ^2/NDF:1301511386.1/14

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.658+/-0.000 χ^2/NDF:2137572414.5/13

Left: 1.693+/-0.000 χ^2/NDF: 3621394896.5/28

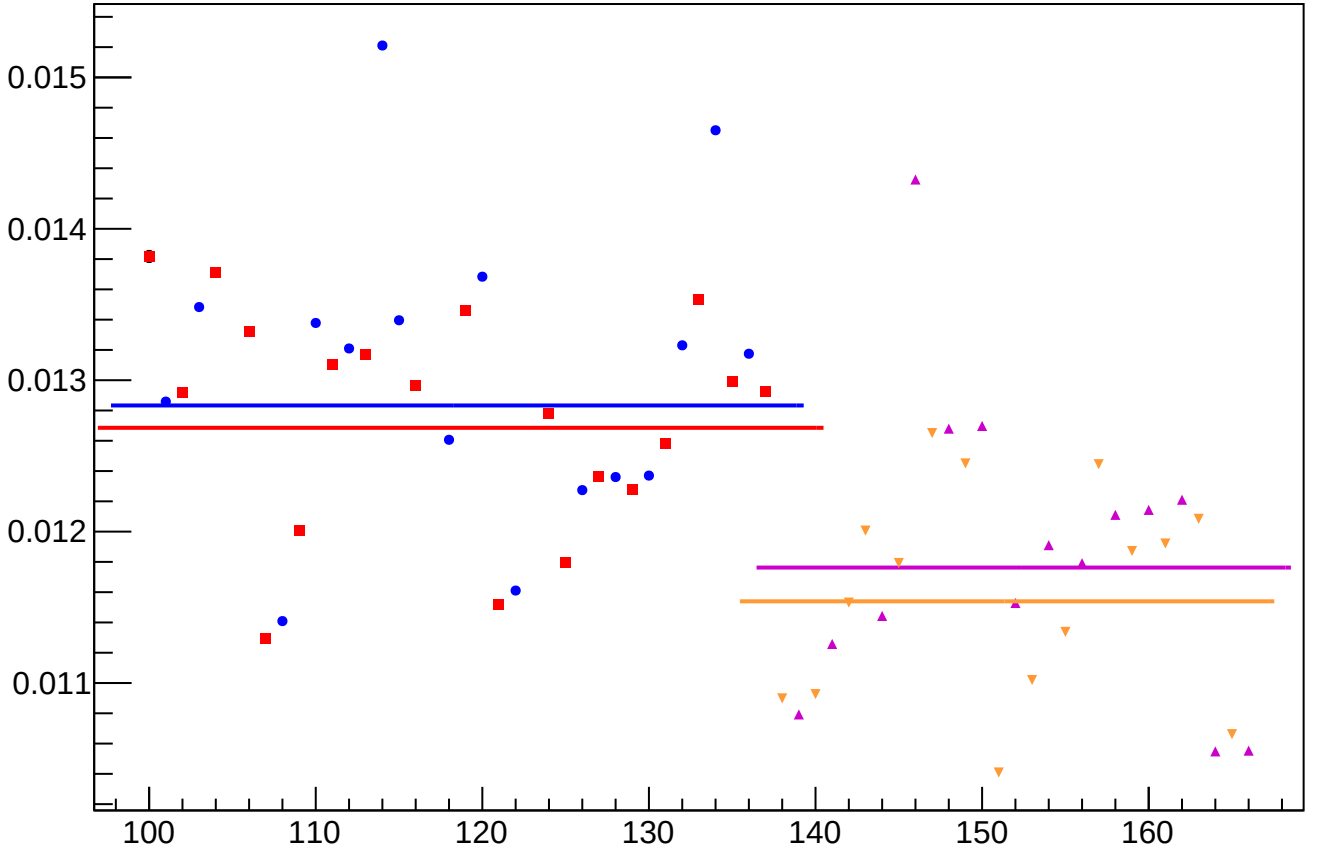
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.658+/-0.000 χ^2/NDF:8803743455.2/29

Out: 1.706+/-0.000 χ^2/NDF:7751937713.1/33

All: 1.682+/-0.000 χ^2/NDF: 16698034160.4/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:76999.8/14

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:120958.0/13

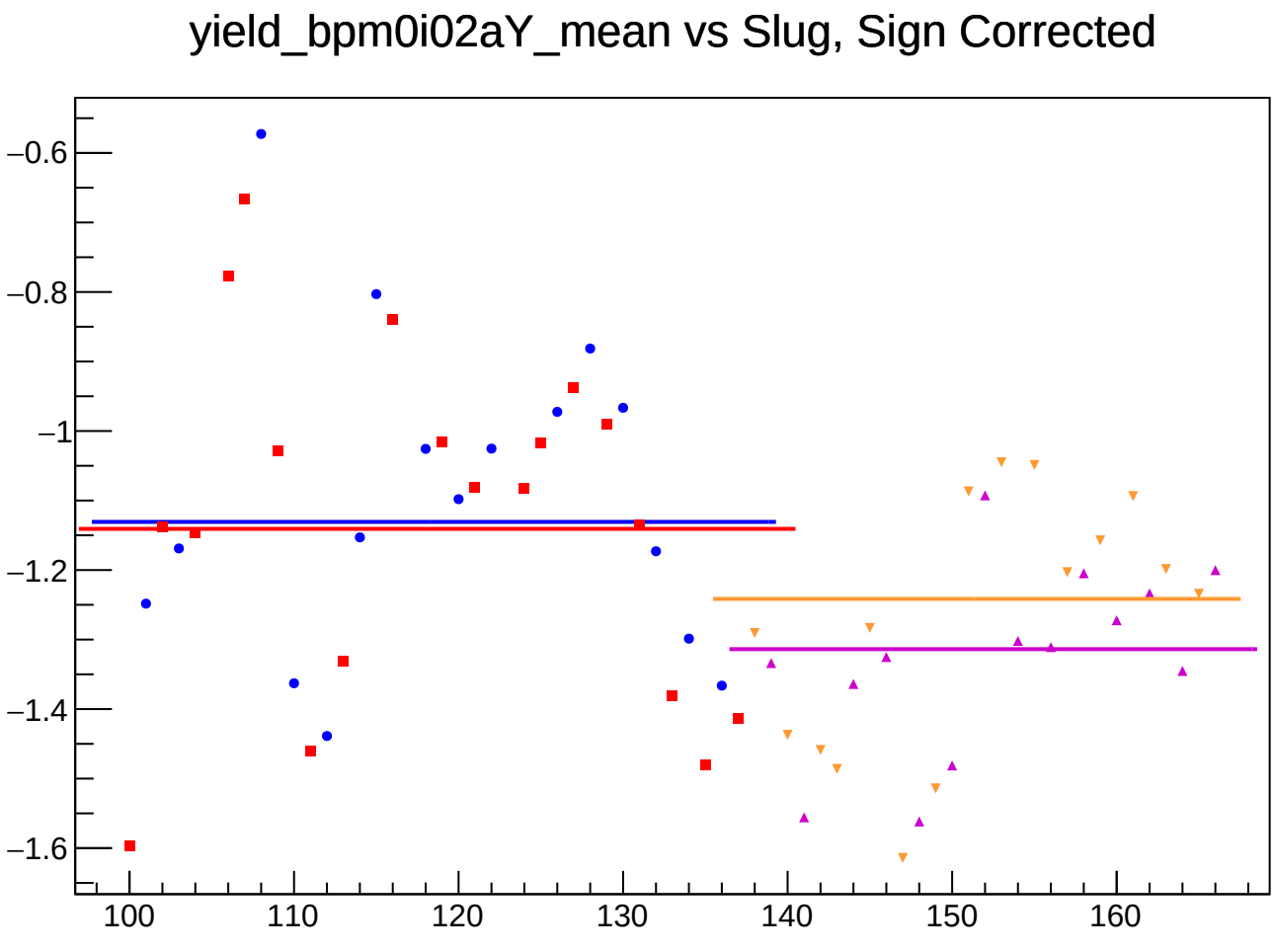
Left: 0.012+/-0.000 χ^2/NDF: 201945.6/28

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

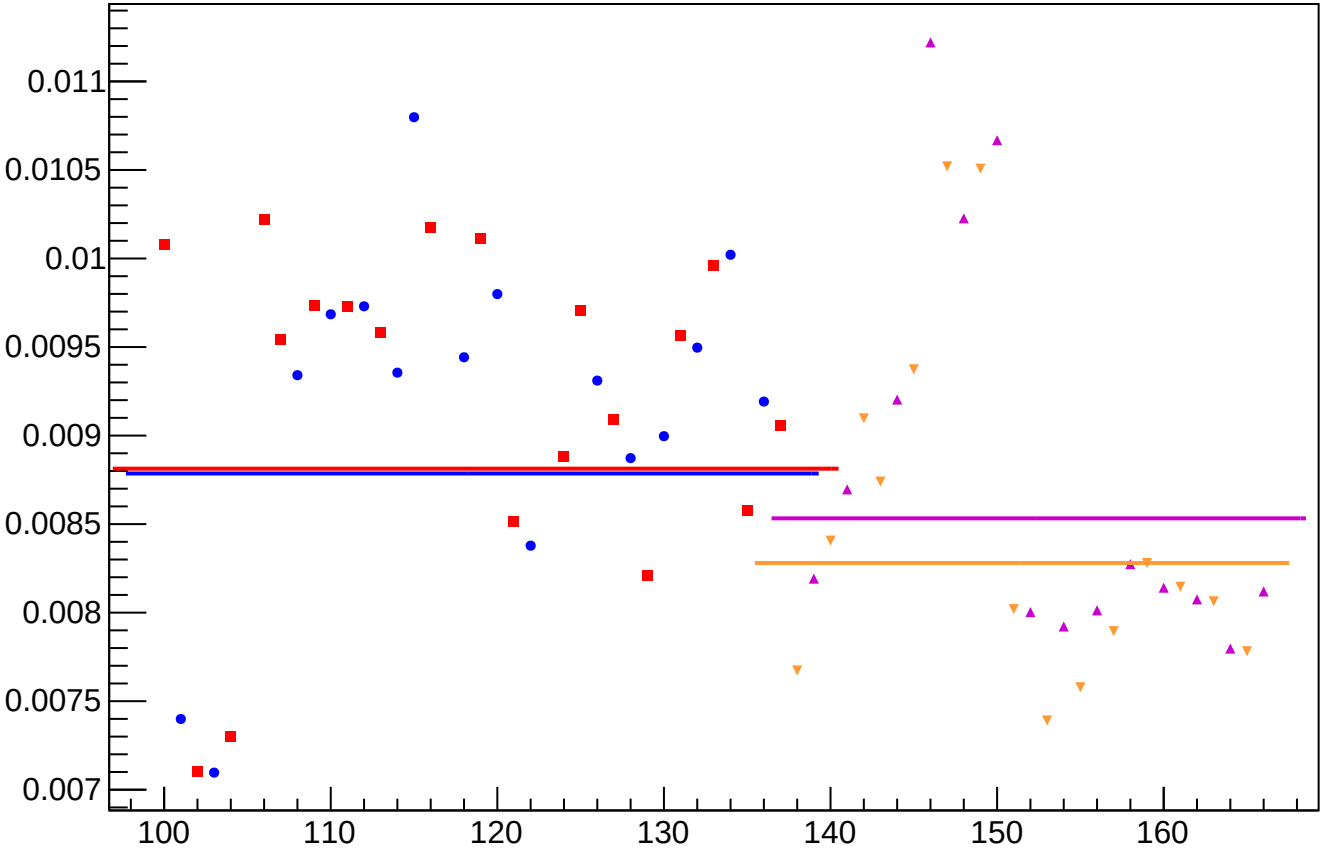
In: 0.012+/-0.000 χ^2/NDF:236492.4/29

Out: 0.012+/-0.000 χ^2/NDF:196810.5/33

All: 0.012+/-0.000 χ^2/NDF: 438346.1/63


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.242+/-0.000 χ²/NDF:4374833103.3/14
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.314+/-0.000 χ²/NDF:2263750811.7/13
Left: -1.276+/-0.000 χ²/NDF: 7033496077.7/28
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.244+/-0.000 χ²/NDF:7900838509.9/29
Out: -1.205+/-0.000 χ²/NDF:8497104360.2/33
All: -1.224+/-0.000 χ²/NDF: 16584672094.7/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:212499.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:240001.7/13

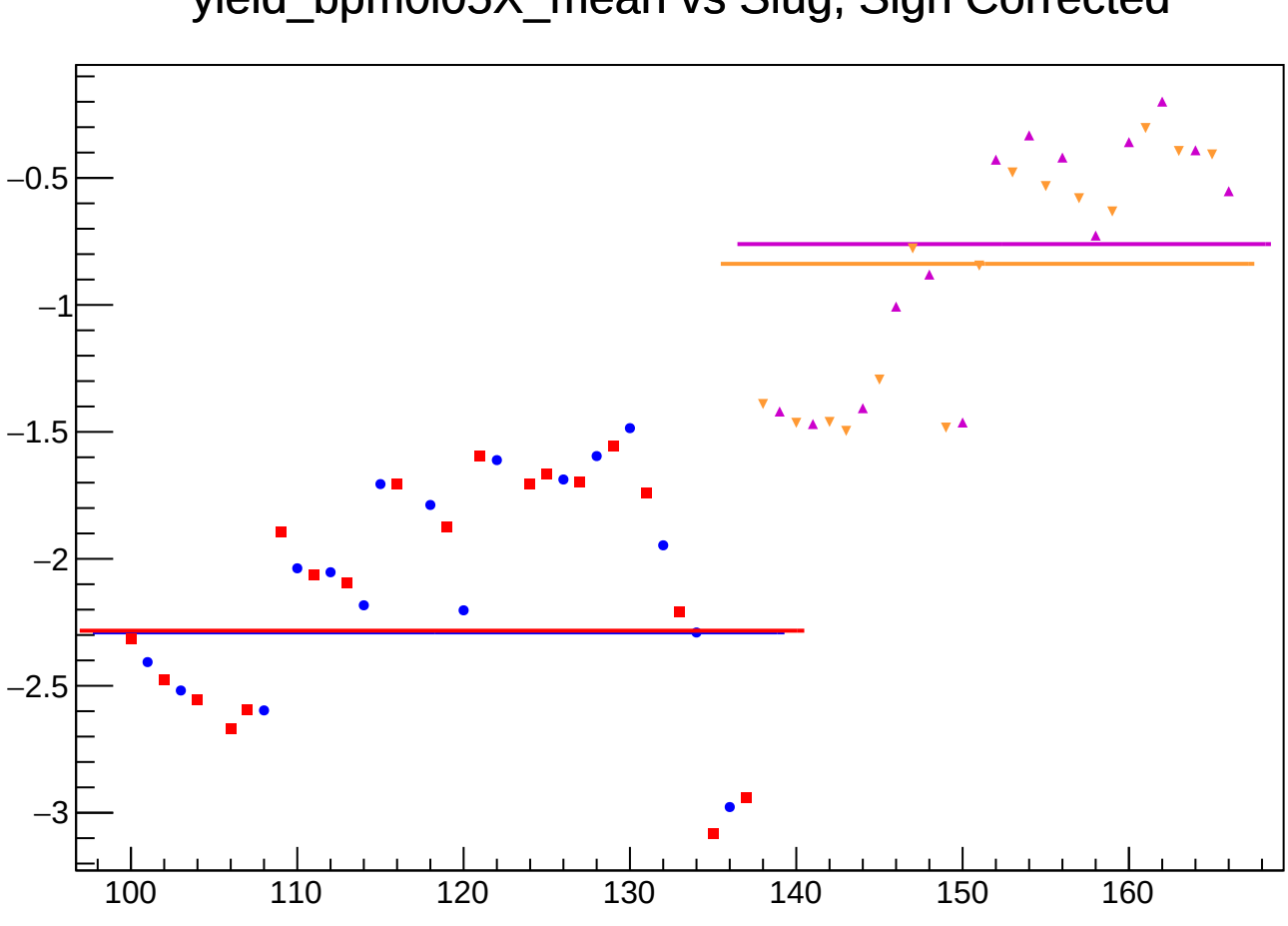
Left: 0.008+/-0.000 χ^2/NDF: 462098.0/28

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

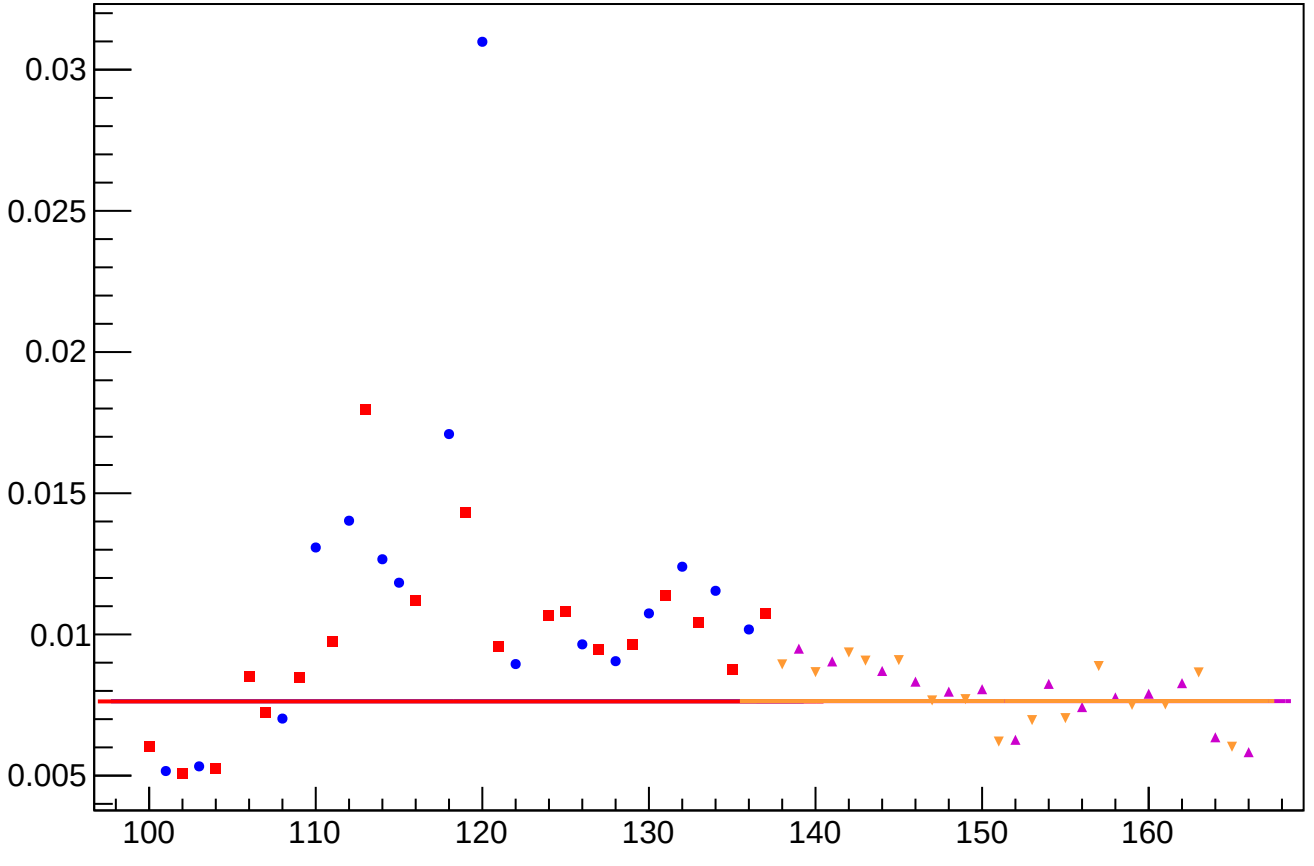
In: 0.009+/-0.000 χ^2/NDF:420554.2/29

Out: 0.008+/-0.000 χ^2/NDF:449264.9/33

All: 0.009+/-0.000 χ^2/NDF: 875594.1/63


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.838+/-0.000 χ²/NDF:31130200856.7/14
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.760+/-0.000 χ²/NDF:32474194716.1/13
Left: -0.800+/-0.000 χ²/NDF: 64111712981.7/28
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.286+/-0.000 χ²/NDF:181630402581.5/29
Out: -1.359+/-0.000 χ²/NDF:175368470478.7/33
All: -1.323+/-0.000 χ²/NDF: 357687624602.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:372285.2/14

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:376633.9/13

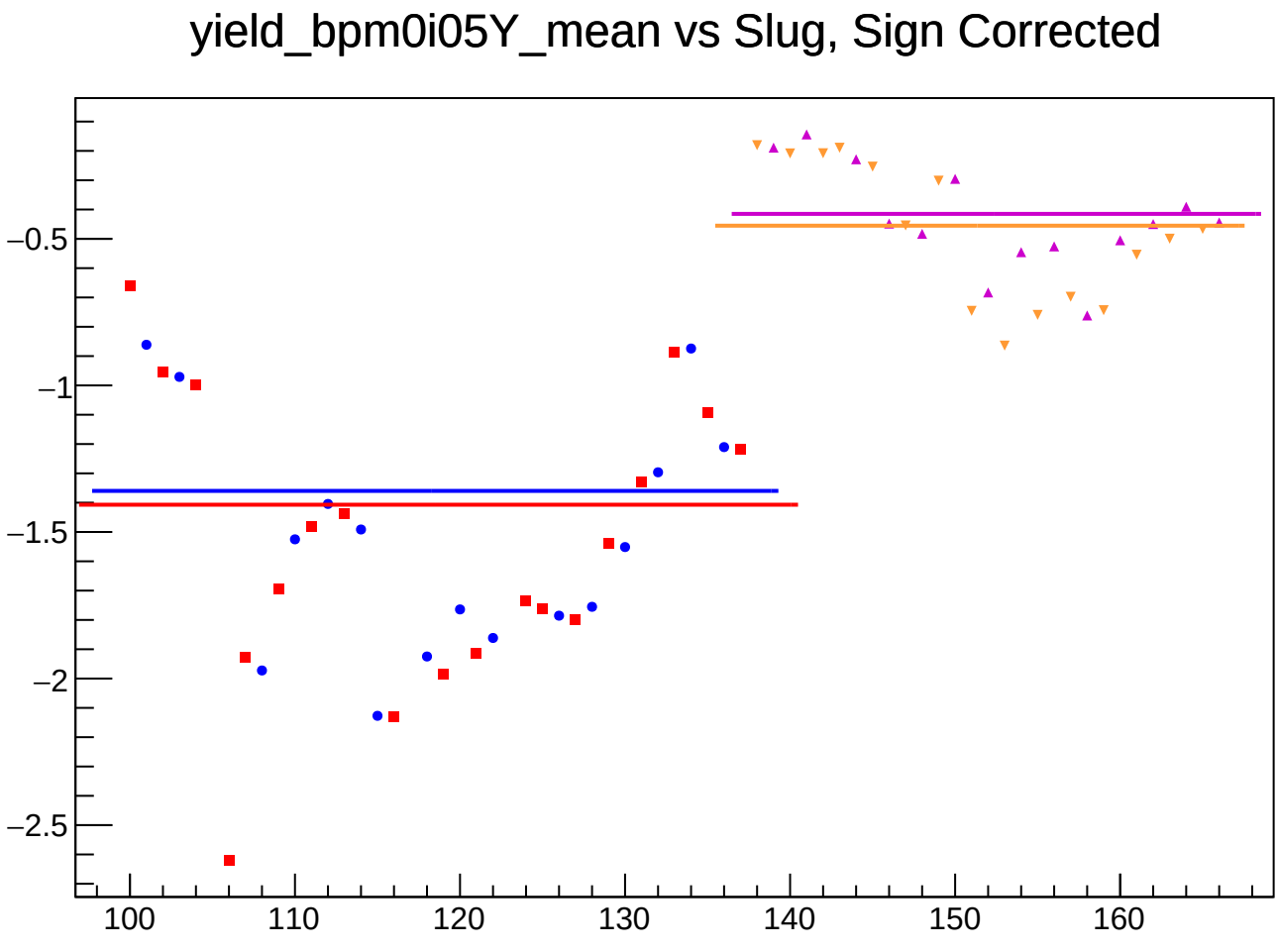
Left: 0.008+/-0.000 χ^2/NDF: 748920.5/28

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:2087434.4/29

Out: 0.008+/-0.000 χ^2/NDF:1690047.5/33

All: 0.008+/-0.000 χ^2/NDF: 3777482.0/63



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:27893755537.7/14

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.415+/-0.000 χ^2/NDF:15521693753.4/13

Left: -0.436+/-0.000 χ^2/NDF: 43815805590.7/28

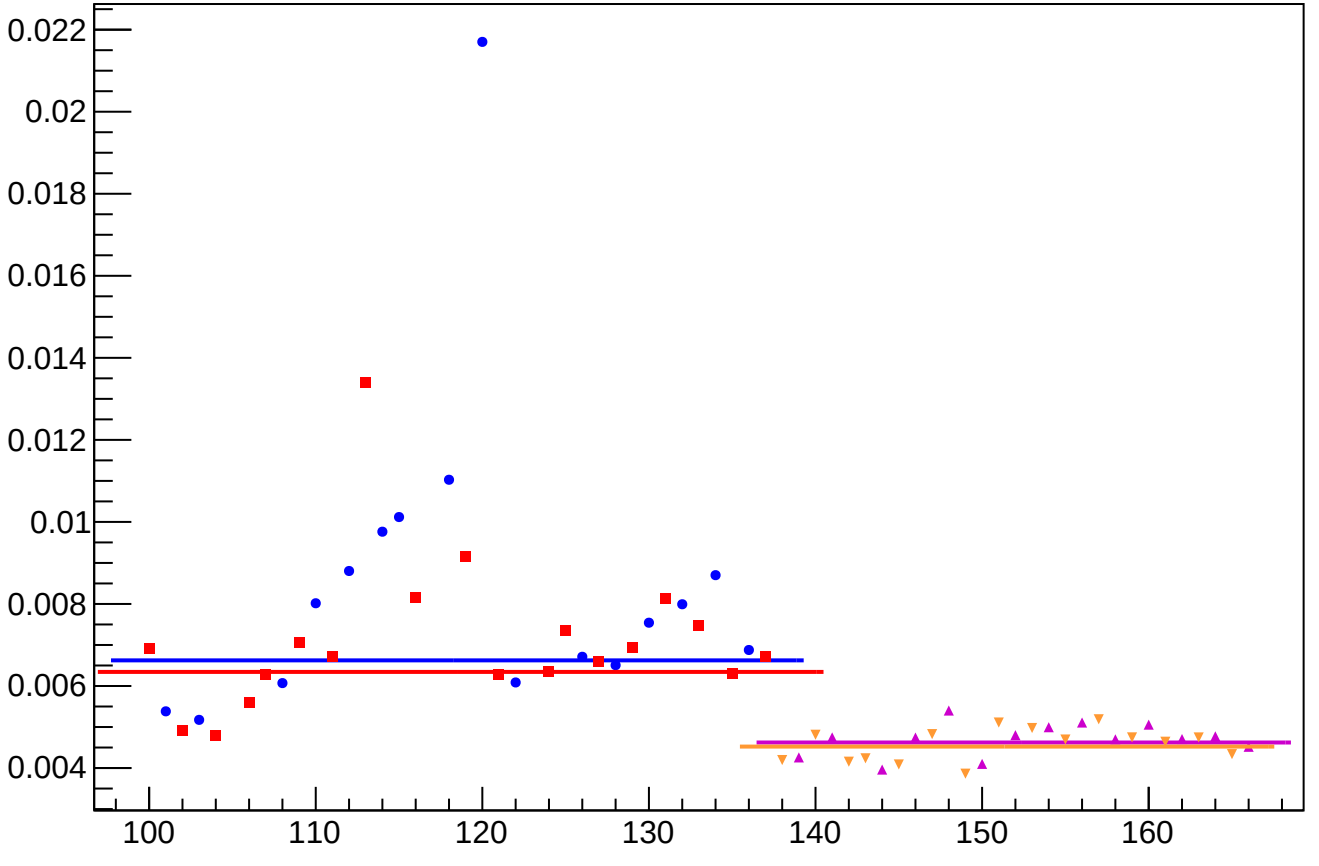
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.619+/-0.000 χ^2/NDF:129328722187.5/29

Out: -0.673+/-0.000 χ^2/NDF:163984253186.4/33

All: -0.647+/-0.000 χ^2/NDF: 294233075225.8

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:157030.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:149537.6/13

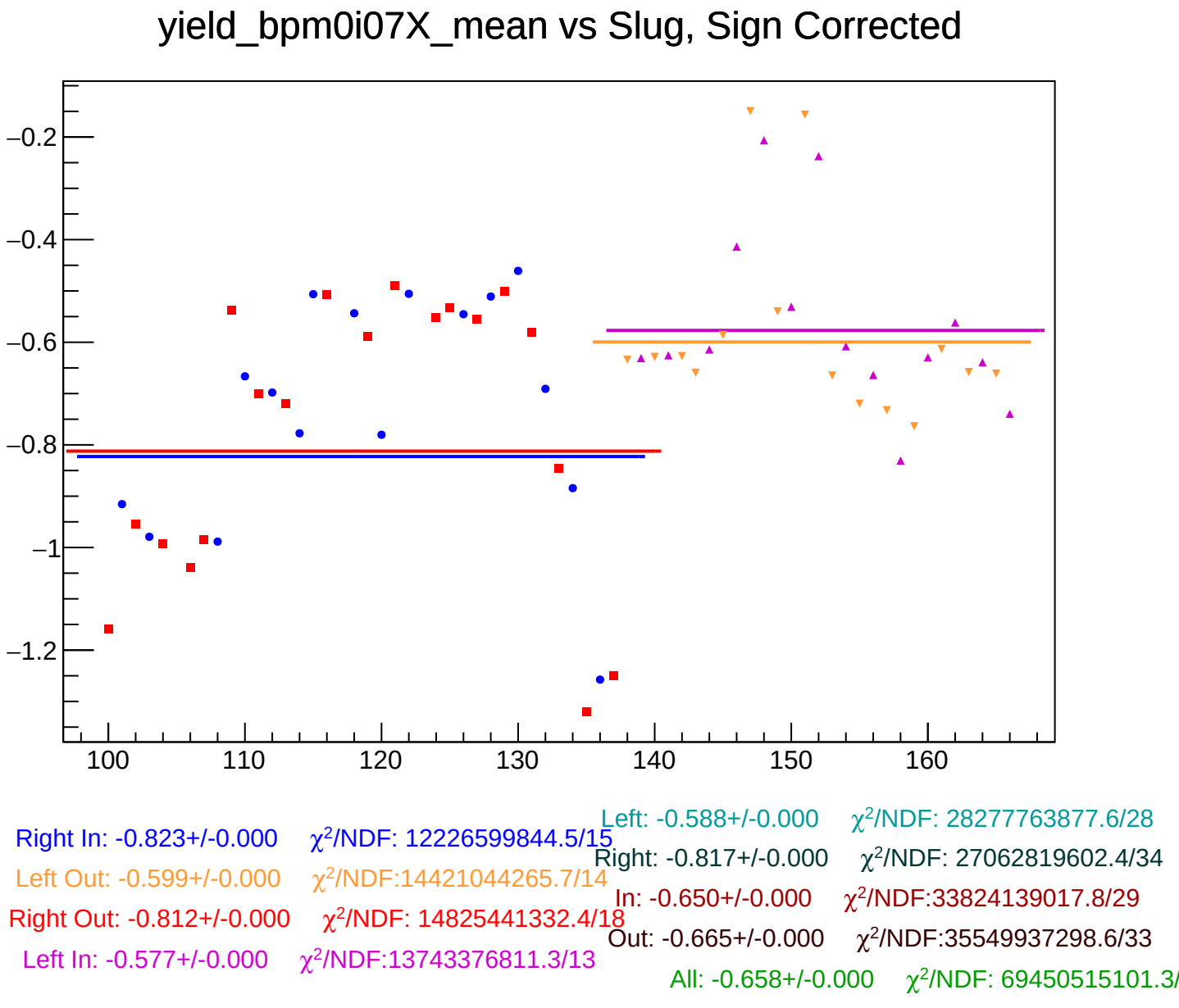
Left: 0.005+/-0.000 χ^2/NDF: 311462.7/28

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

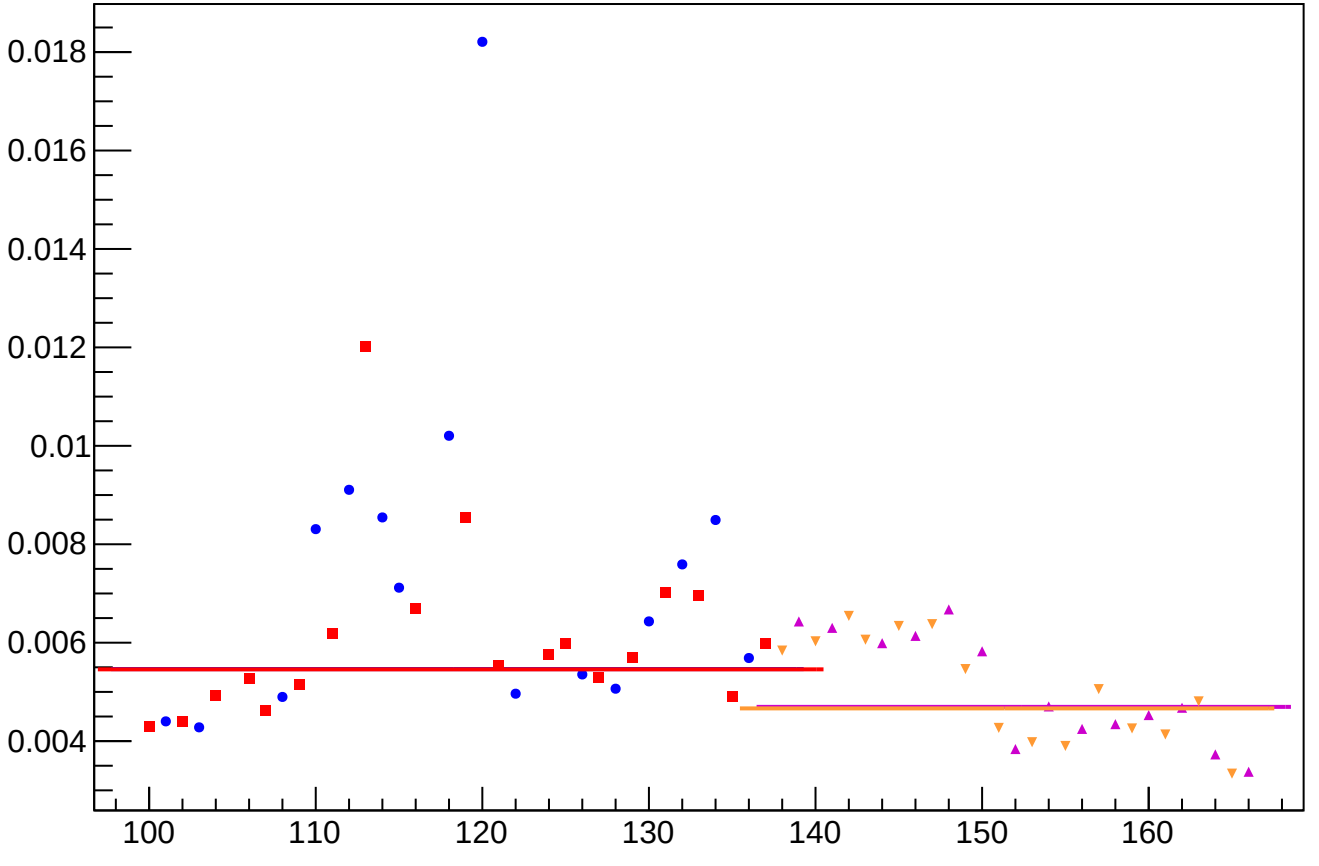
In: 0.005+/-0.000 χ^2/NDF:1672350.2/29

Out: 0.005+/-0.000 χ^2/NDF:1463419.8/33

All: 0.005+/-0.000 χ^2/NDF: 3144293.4/63


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.599+/-0.000 χ²/NDF:14421044265.7/14
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.577+/-0.000 χ²/NDF:13743376811.3/13
Left: -0.588+/-0.000 χ²/NDF: 28277763877.6/28
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.650+/-0.000 χ²/NDF:33824139017.8/29
Out: -0.665+/-0.000 χ²/NDF:35549937298.6/33
All: -0.658+/-0.000 χ²/NDF: 69450515101.3/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:840067.0/14

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:909793.6/13

Left: 0.005+/-0.000 χ^2/NDF: 1750286.9/28

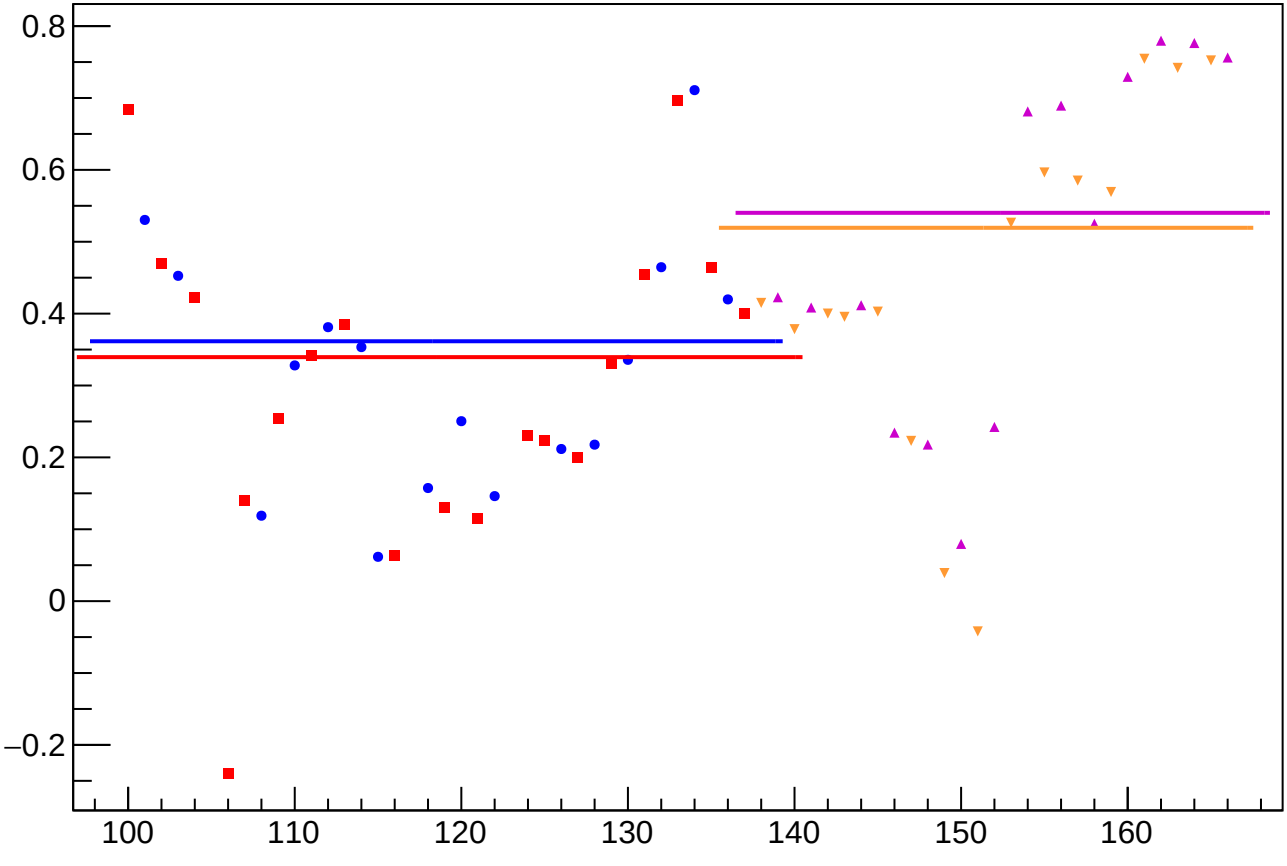
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:2024291.3/29

Out: 0.005+/-0.000 χ^2/NDF:1523253.8/33

All: 0.005+/-0.000 χ^2/NDF: 3547654.1/63

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.519+/-0.000 χ^2/NDF:33405655733.9/14

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.540+/-0.000 χ^2/NDF:30997744125.7/13

Left: 0.530+/-0.000 χ^2/NDF: 64545006840.3/28

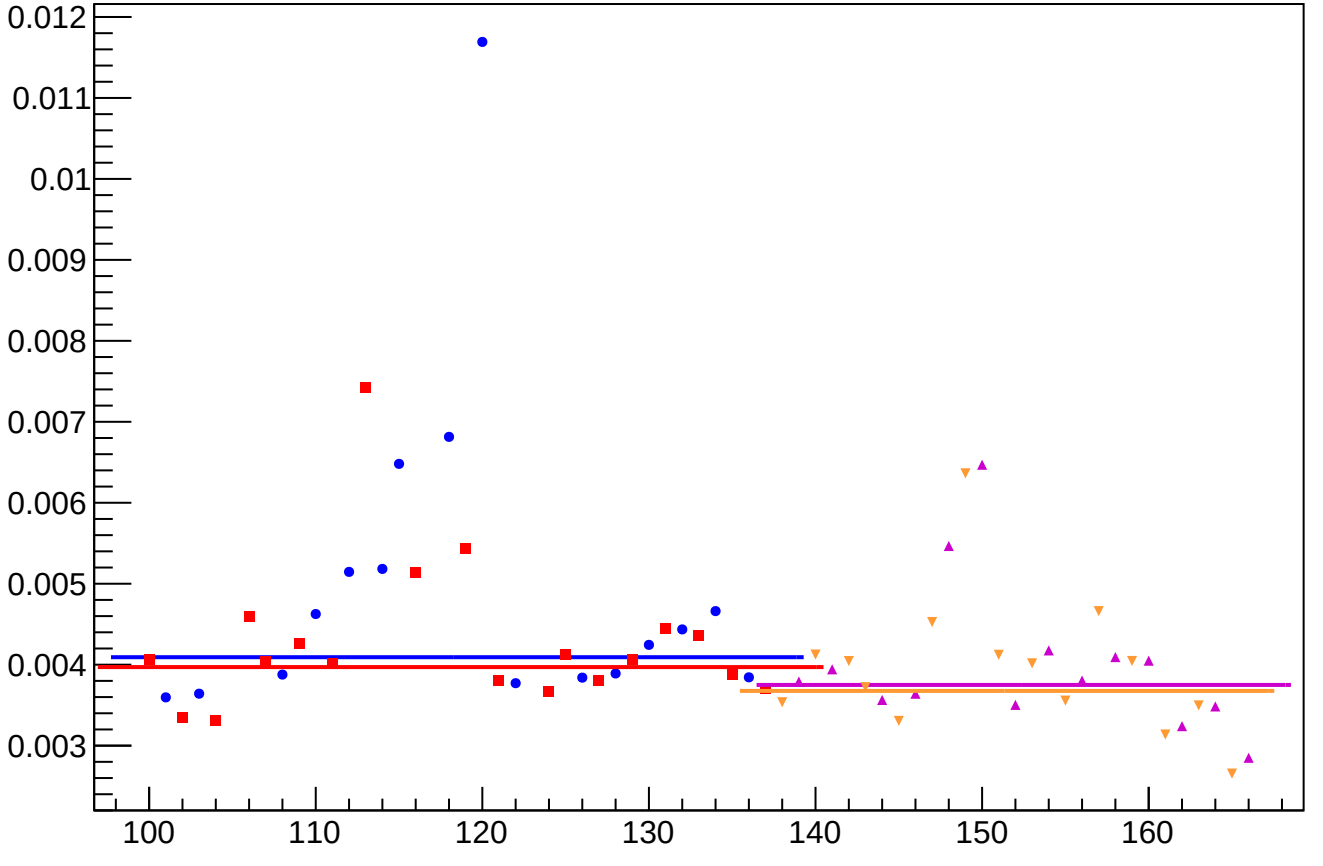
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.475+/-0.000 χ^2/NDF:47189838306.5/29

Out: 0.452+/-0.000 χ^2/NDF:53675890774.5/33

All: 0.463+/-0.000 χ^2/NDF: 101152799288.1

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:623697.9/14

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:569420.5/13

Left: 0.004+/-0.000 χ^2/NDF: 1196674.5/28

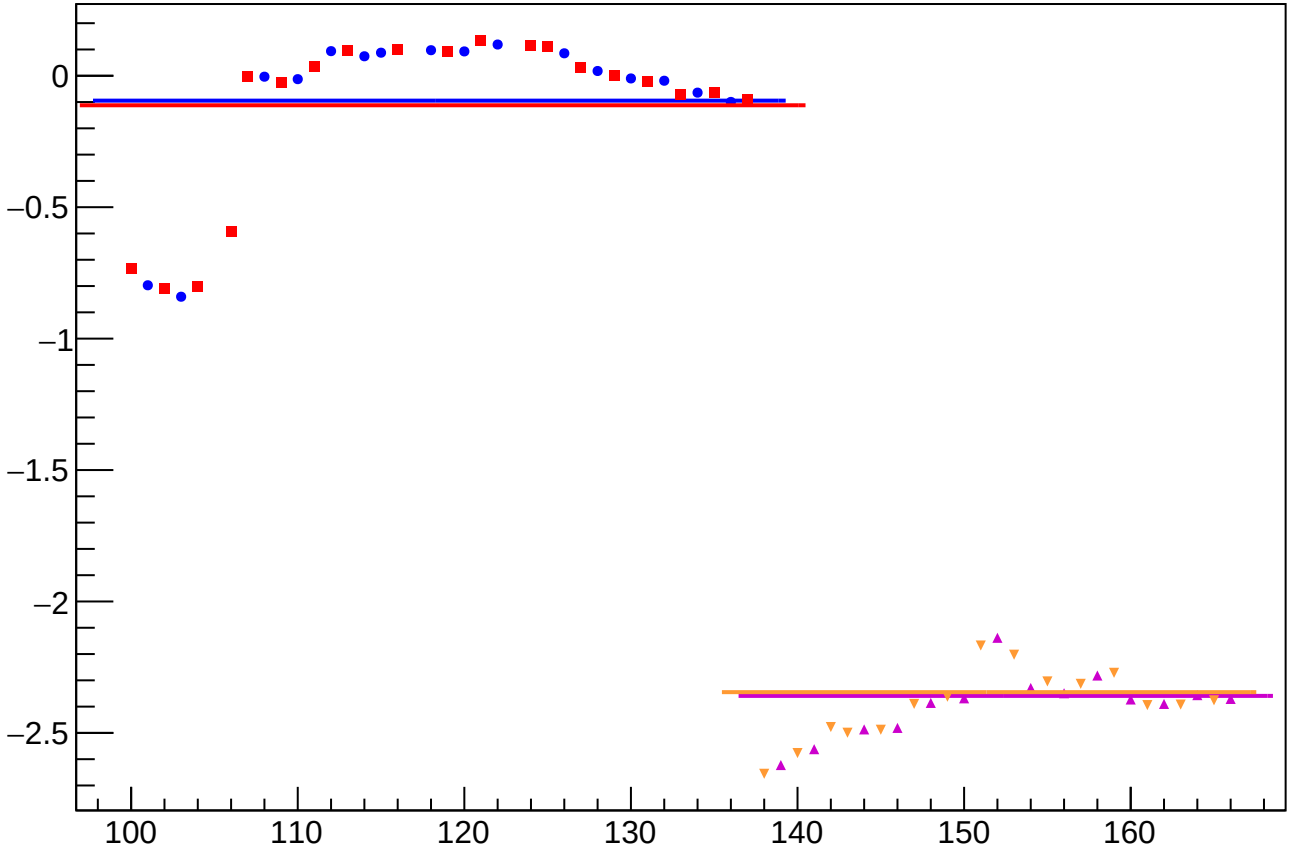
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1115682.4/29

Out: 0.004+/-0.000 χ^2/NDF:981237.2/33

All: 0.004+/-0.000 χ^2/NDF: 2104921.3/63

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.345+/-0.000 χ^2/NDF:1652204980.5/14

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.359+/-0.000 χ^2/NDF:1283059924.4/13

Left: -2.352+/-0.000 χ^2/NDF: 2946448022.5/28

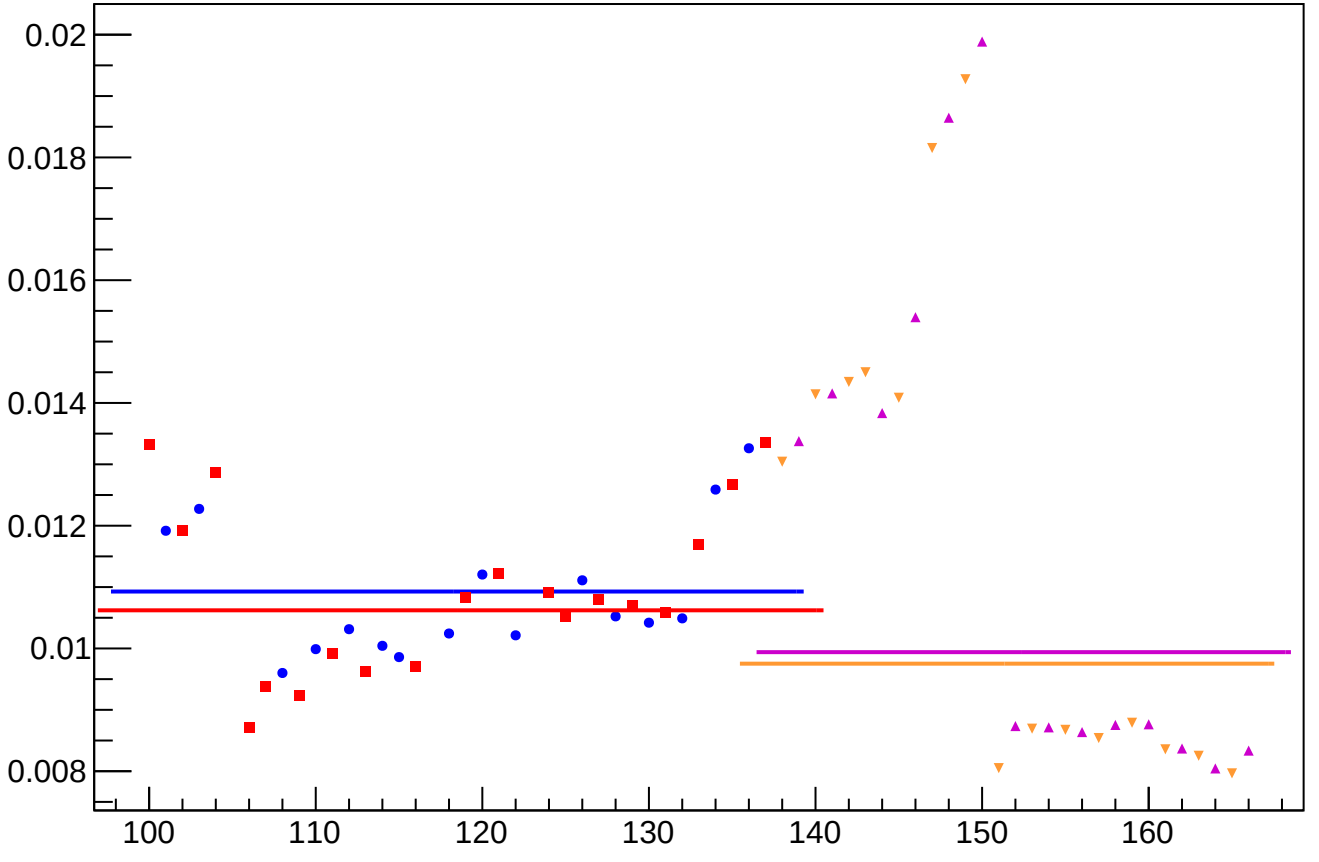
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.549+/-0.000 χ^2/NDF:203153691732.2/29

Out: -1.530+/-0.000 χ^2/NDF:214680554017.0/33

All: -1.539+/-0.000 χ^2/NDF: 417863711907.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1769905.4/14

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1775382.8/13

Left: 0.010+/-0.000 χ^2/NDF: 3549168.2/28

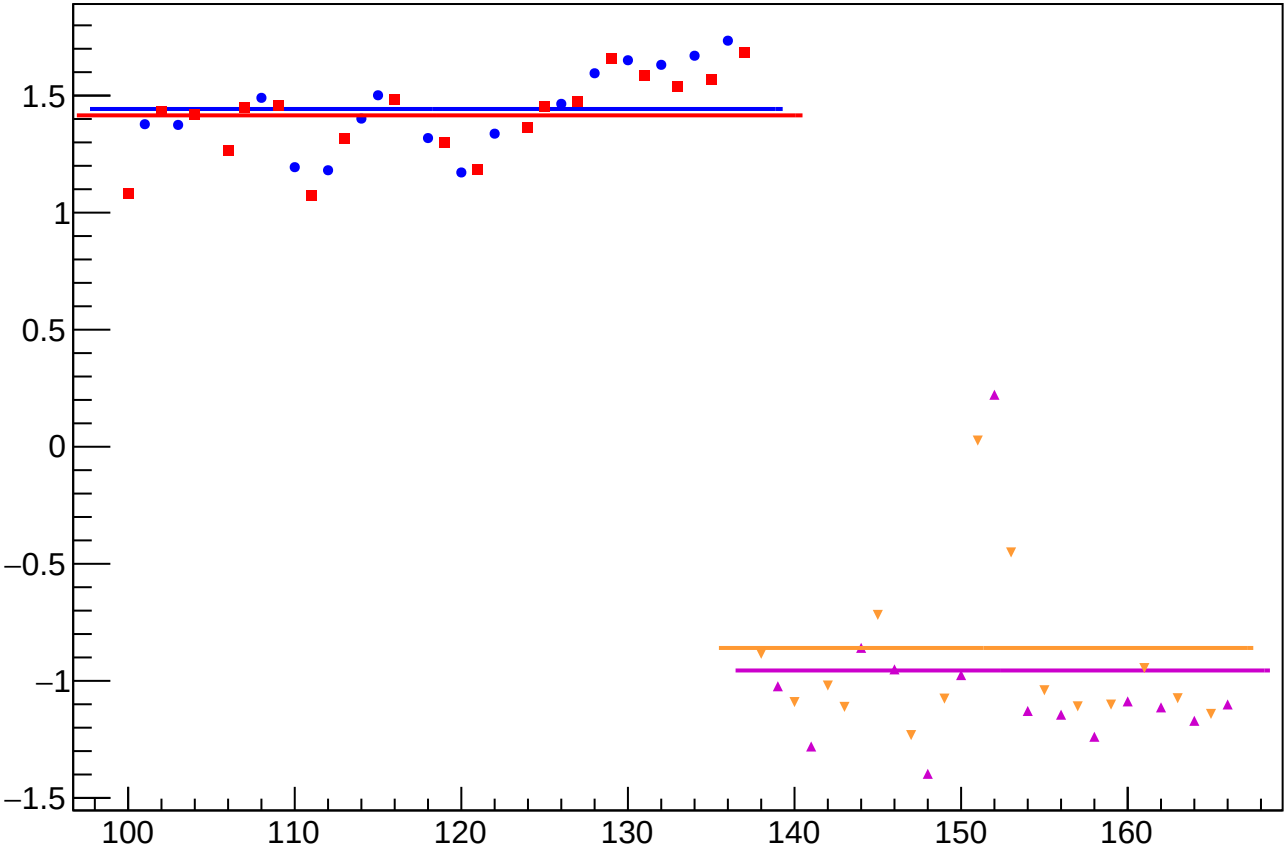
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:1986579.0/29

Out: 0.010+/-0.000 χ^2/NDF:2023132.8/33

All: 0.010+/-0.000 χ^2/NDF: 4018367.6/63

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.859+/-0.000 χ^2/NDF:29072645115.5/14

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.956+/-0.000 χ^2/NDF:39715723755.8/13

Left: -0.907+/-0.000 χ^2/NDF: 69689561074.9/28

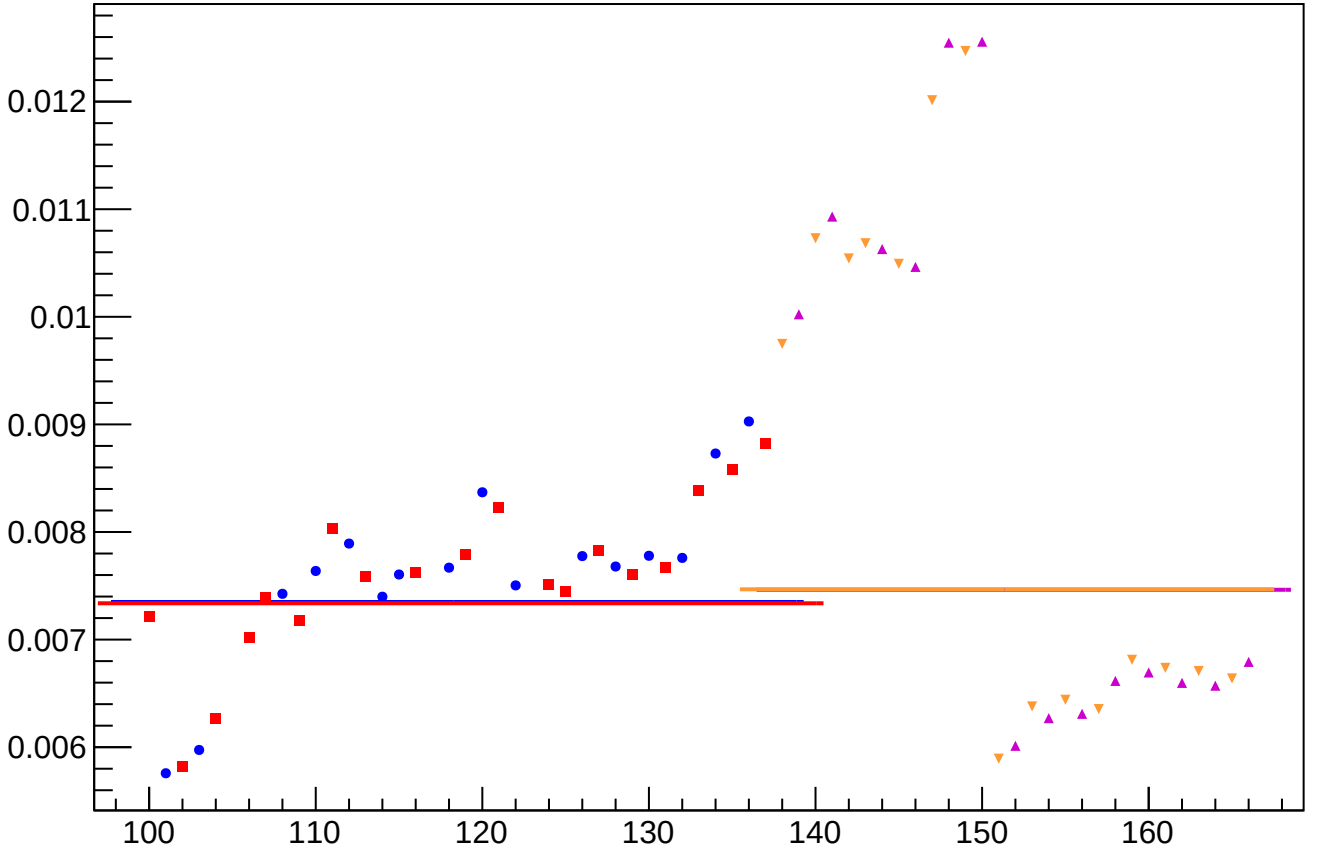
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.014+/-0.000 χ^2/NDF:491674070899.0/29

Out: 0.073+/-0.000 χ^2/NDF:450104359411.8/33

All: 0.044+/-0.000 χ^2/NDF: 942343278031.5

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1433189.4/14

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1491438.3/13

Left: 0.007+/-0.000 χ^2/NDF: 2924631.2/28

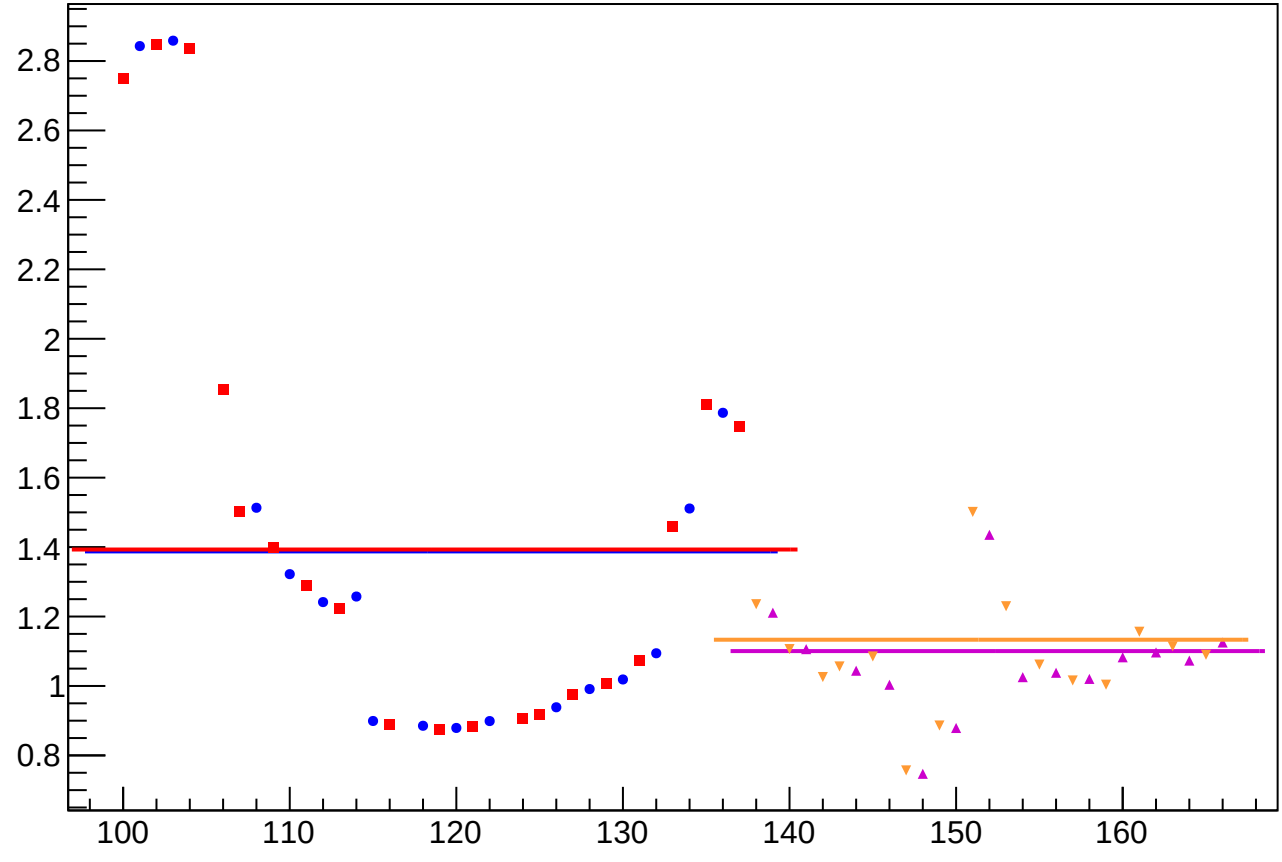
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1764316.8/29

Out: 0.007+/-0.000 χ^2/NDF:1631283.9/33

All: 0.007+/-0.000 χ^2/NDF: 3395603.6/63

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.133+/-0.000 χ^2/NDF:5346437017.4/14

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4161880592.9/13

Left: 1.117+/-0.000 χ^2/NDF: 9617286203.8/28

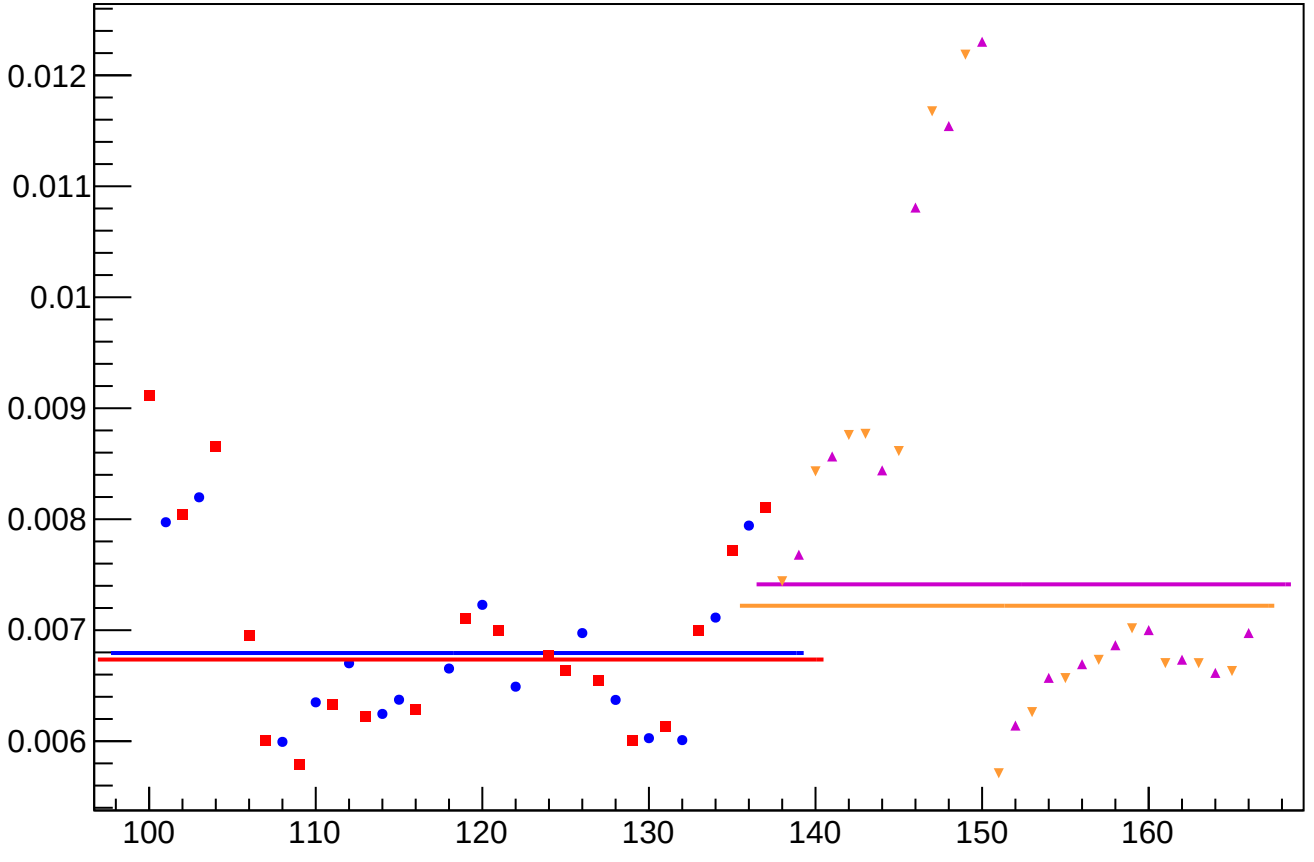
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.227+/-0.000 χ^2/NDF:69884864525.8/29

Out: 1.246+/-0.000 χ^2/NDF:66895883163.1/33

All: 1.237+/-0.000 χ^2/NDF: 136850155975.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:820782.3/14

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:855459.1/13

Left: 0.007+/-0.000 χ^2/NDF: 1683796.6/28

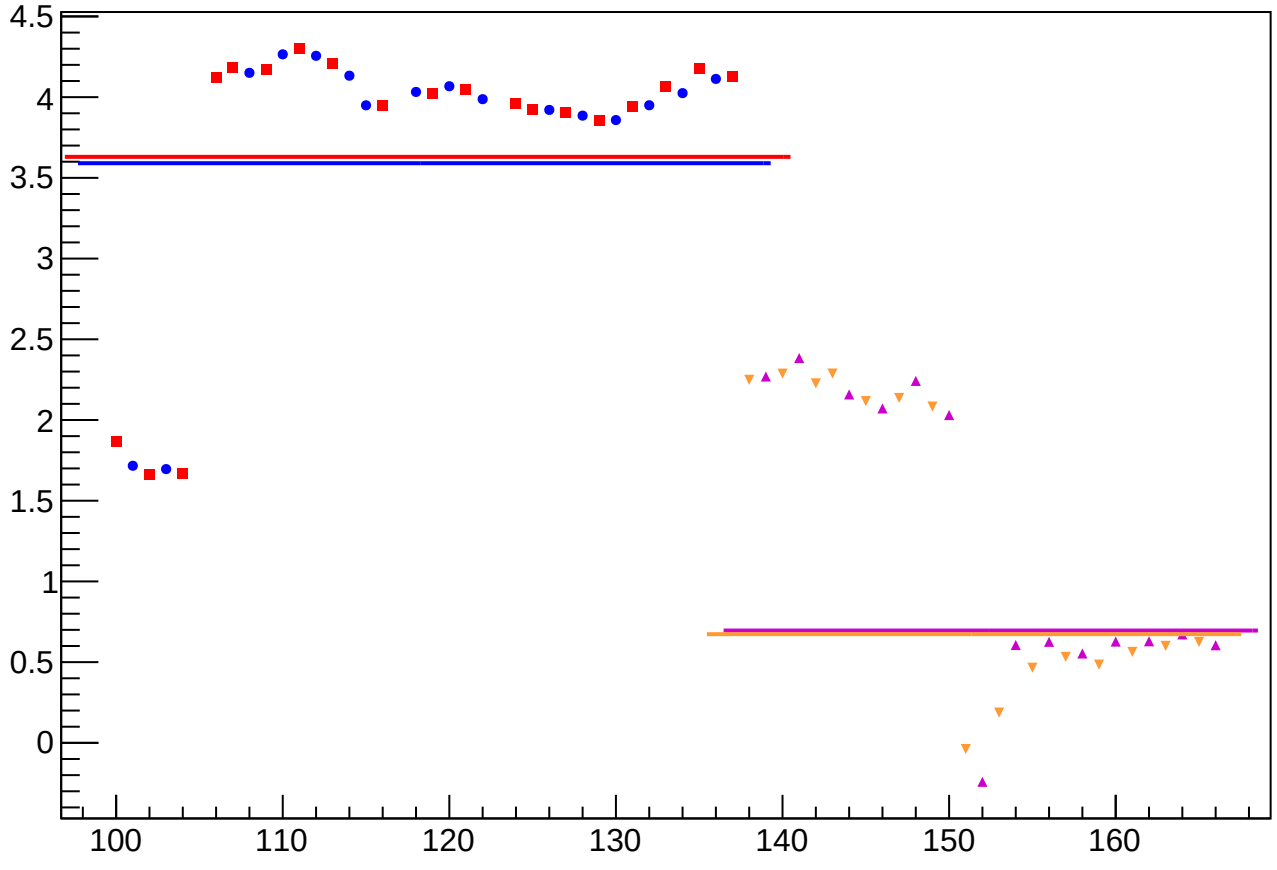
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1085967.1/29

Out: 0.007+/-0.000 χ^2/NDF:1062316.7/33

All: 0.007+/-0.000 χ^2/NDF: 2154553.4/63

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.673+/-0.000 χ^2/NDF:244052259408.7/14

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.696+/-0.000 χ^2/NDF:242192380280.0/13

Left: 0.684+/-0.000 χ^2/NDF: 486386591451.7/28

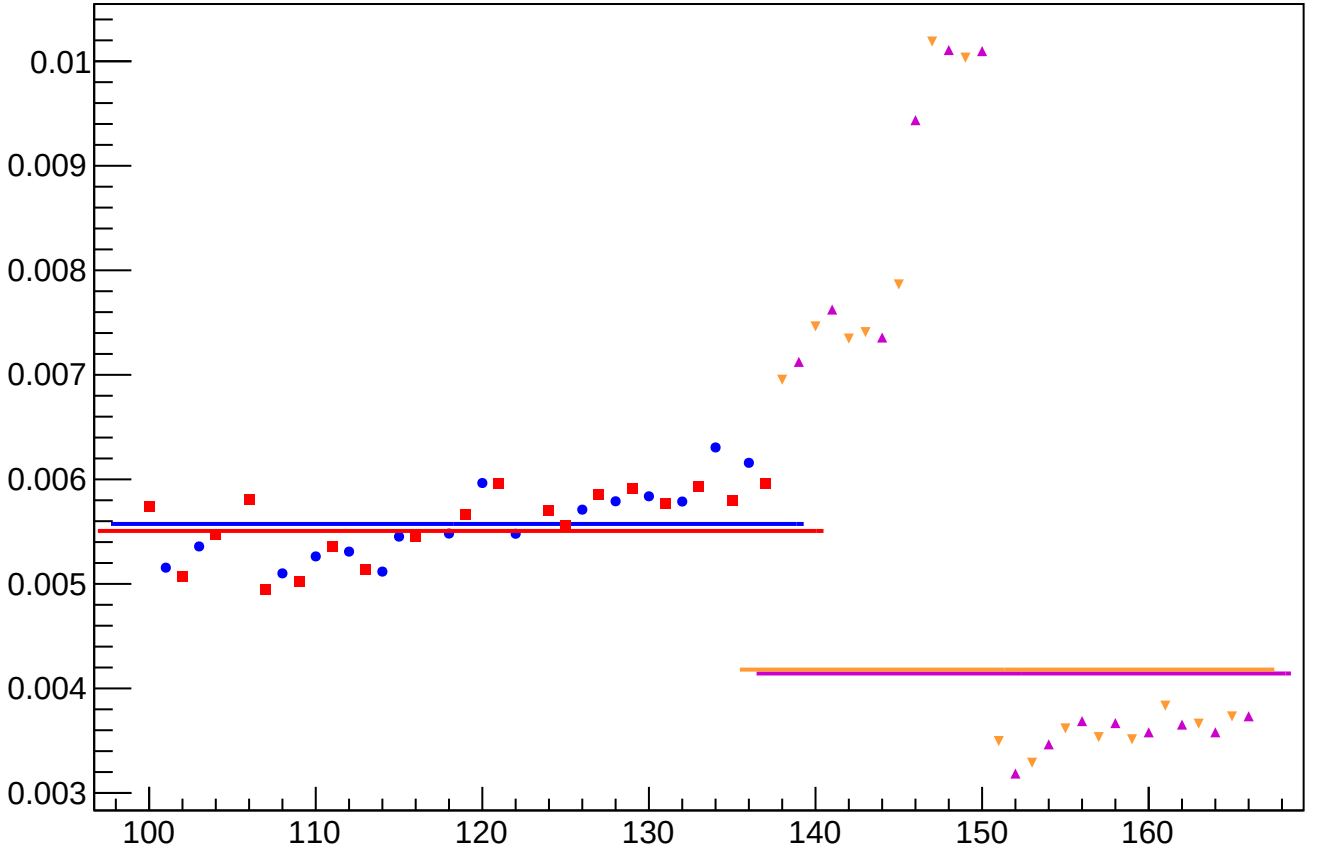
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.541+/-0.000 χ^2/NDF:1813189137451.5/29

Out: 1.560+/-0.000 χ^2/NDF:1930373722349.1/33

All: 1.551+/-0.000 χ^2/NDF: 3743707434598.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2761399.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2960751.3/13

Left: 0.004+/-0.000 χ^2/NDF: 5722928.8/28

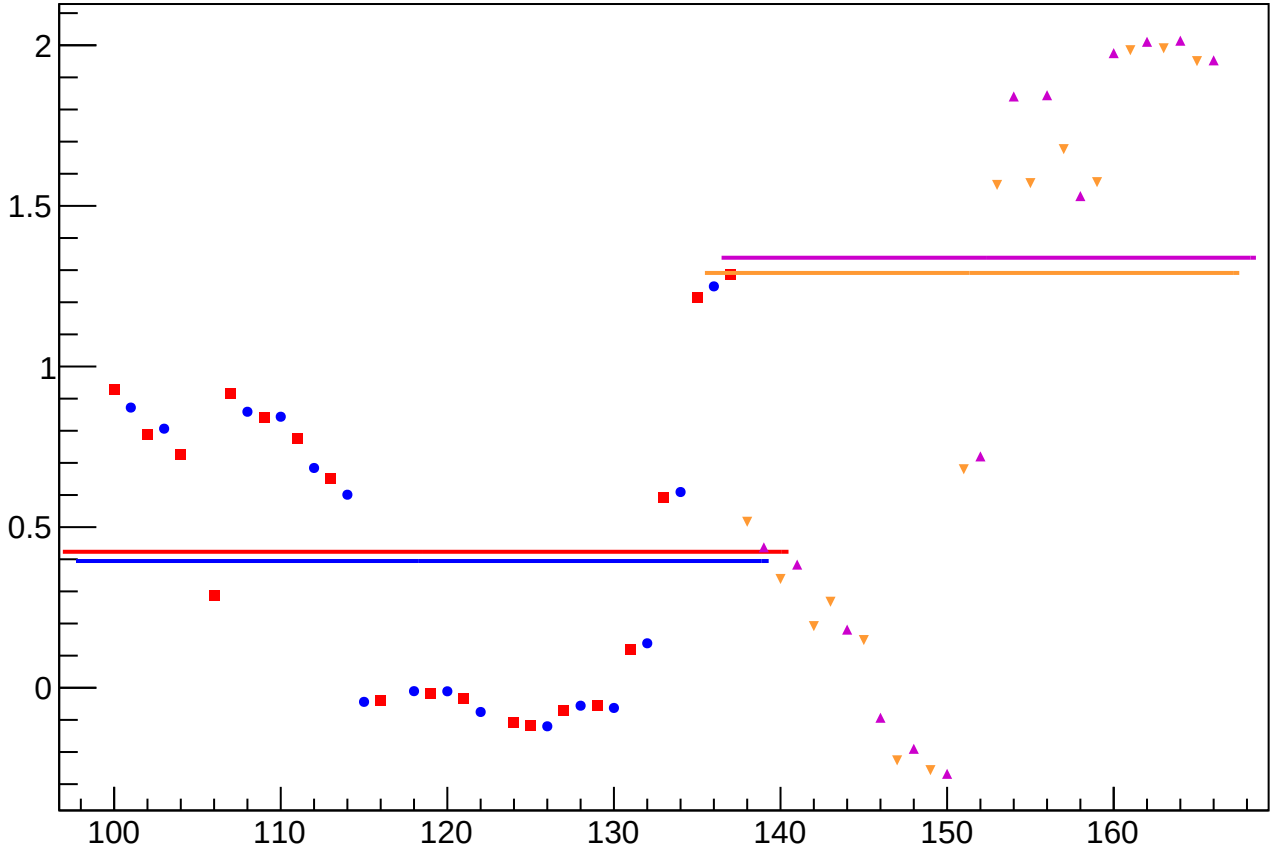
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3688479.7/29

Out: 0.005+/-0.000 χ^2/NDF:3412031.6/33

All: 0.005+/-0.000 χ^2/NDF: 7100751.2/63

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.291+/-0.000 χ^2/NDF:45311317642.0/14

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.339+/-0.000 χ^2/NDF:52547638192.0/13

Left: 1.315+/-0.000 χ^2/NDF: 97955780847.9/28

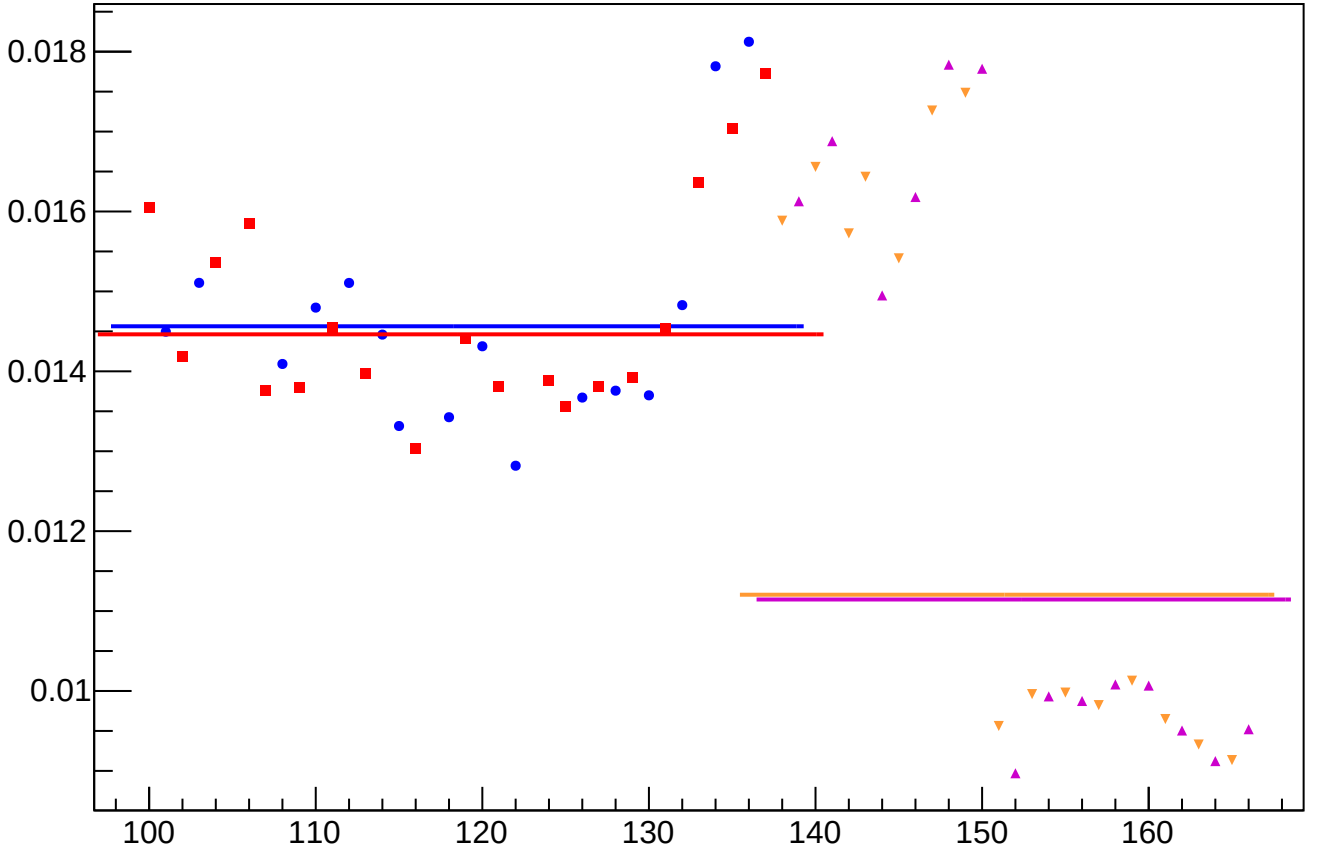
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.074+/-0.000 χ^2/NDF:81419378755.7/29

Out: 1.043+/-0.000 χ^2/NDF:70944431714.2/33

All: 1.058+/-0.000 χ^2/NDF: 152421837241.1

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1392135.0/14

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1457021.7/13

Left: 0.011+/-0.000 χ^2/NDF: 2849465.4/28

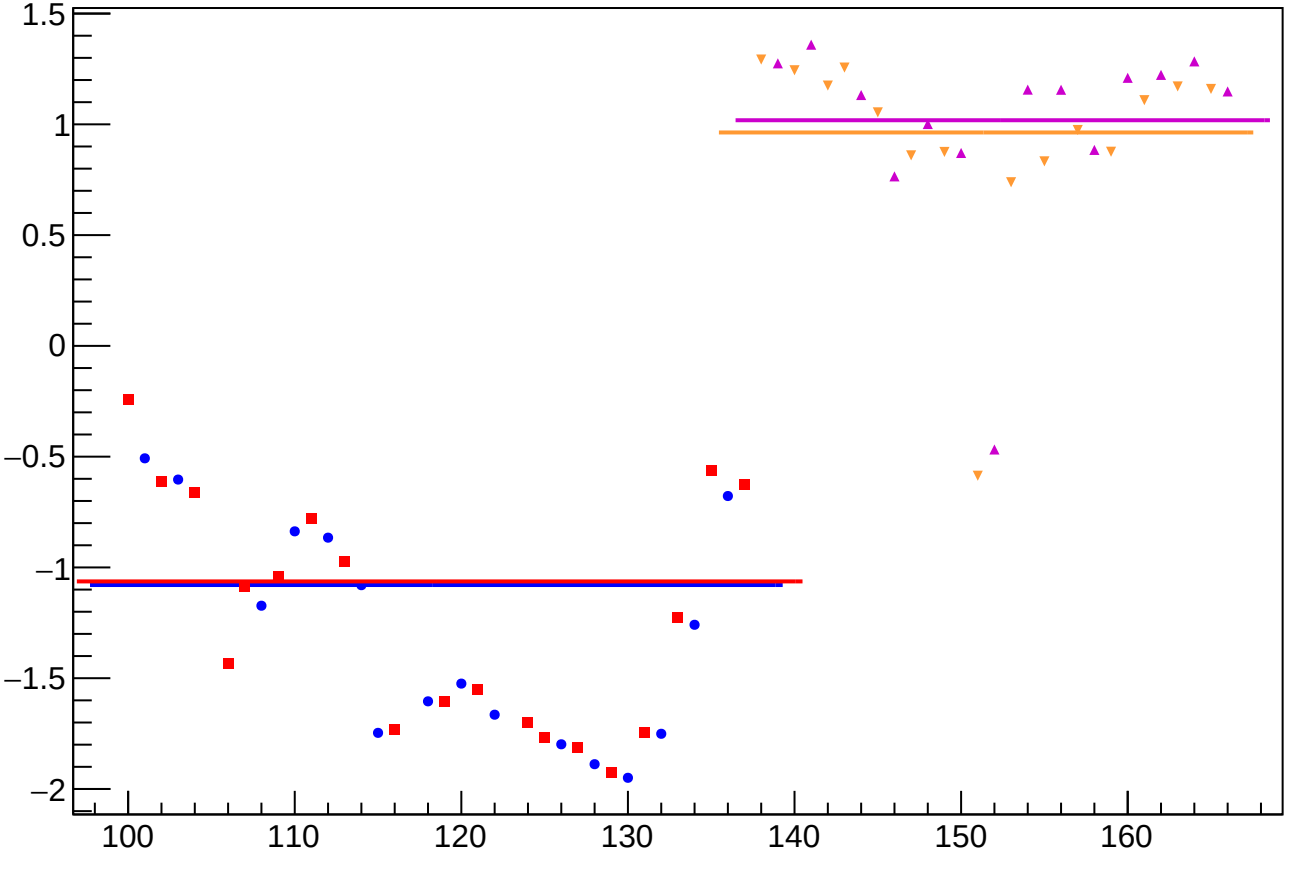
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2153008.9/29

Out: 0.012+/-0.000 χ^2/NDF:1997417.6/33

All: 0.012+/-0.000 χ^2/NDF: 4150562.8/63

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.963+/-0.000 χ^2/NDF:106239038076.2/14

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.018+/-0.000 χ^2/NDF:124222171391.2/13

Left: 0.990+/-0.000 χ^2/NDF: 231665241324.2/28

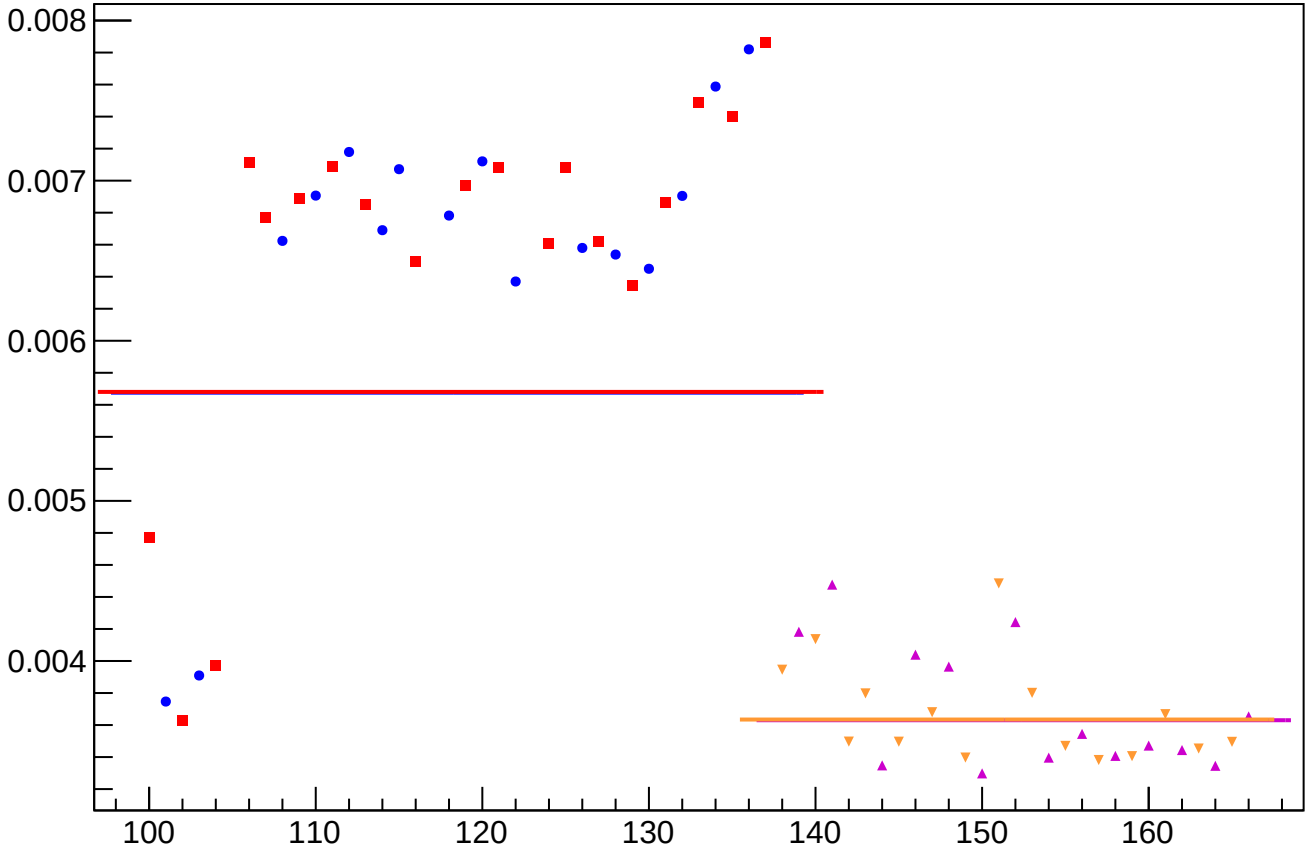
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.594+/-0.000 χ^2/NDF:877707861044.5/29

Out: 0.559+/-0.000 χ^2/NDF:812985062117.3/33

All: 0.576+/-0.000 χ^2/NDF: 1691292211905.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:122640.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:202962.5/13

Left: 0.004+/-0.000 χ^2/NDF: 325617.0/28

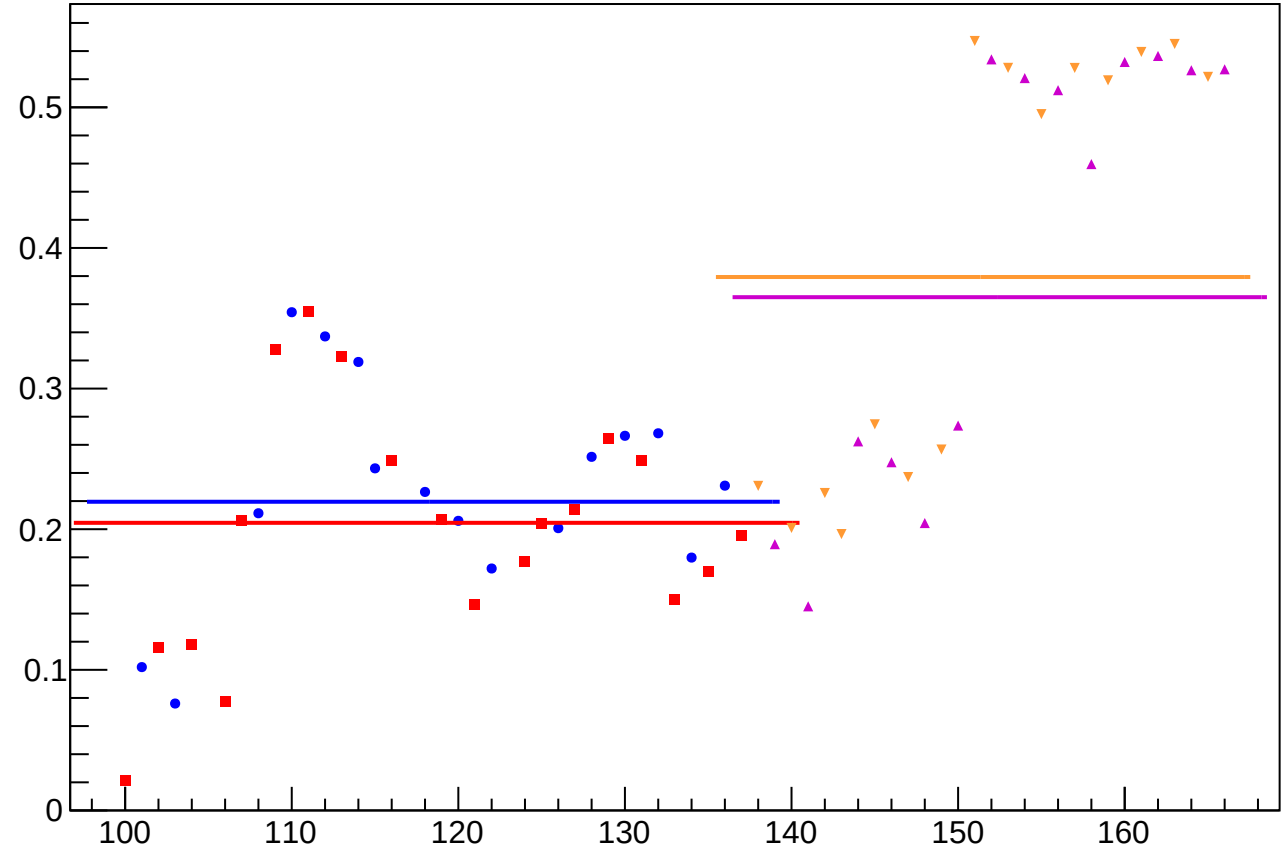
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2467371.8/29

Out: 0.004+/-0.000 χ^2/NDF:2442771.1/33

All: 0.004+/-0.000 χ^2/NDF: 4910145.6/63

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.379+/-0.000 χ^2/NDF:119774193095.7/14

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.365+/-0.000 χ^2/NDF:113996723724.1/13

Left: 0.372+/-0.000 χ^2/NDF: 234289740228.3/28

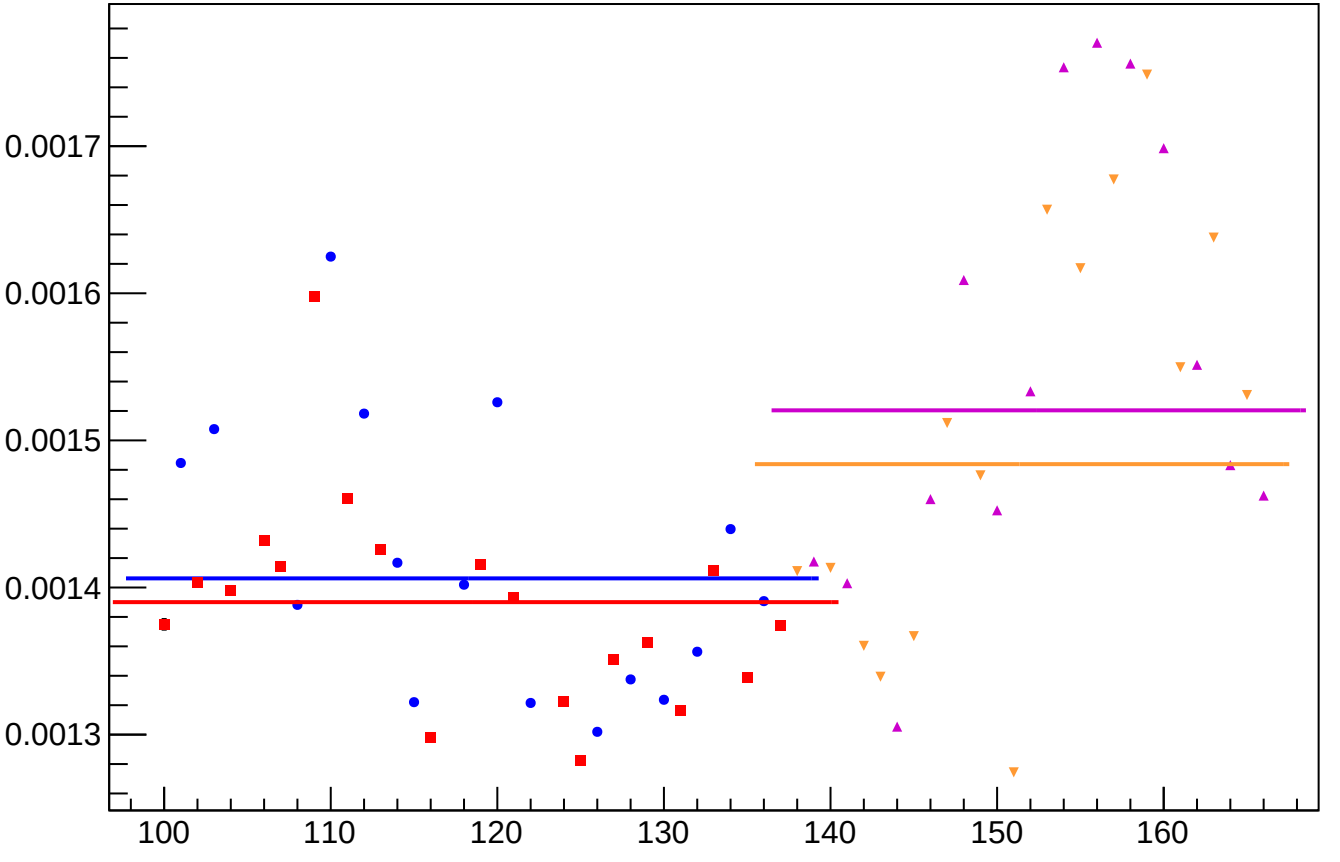
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.304+/-0.000 χ^2/NDF:173824073788.6/29

Out: 0.306+/-0.000 χ^2/NDF:209430894421.2/33

All: 0.305+/-0.000 χ^2/NDF: 383274586222.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:200611.5/14

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:196374.8/13

Left: 0.002+/-0.000 χ^2/NDF: 403738.6/28

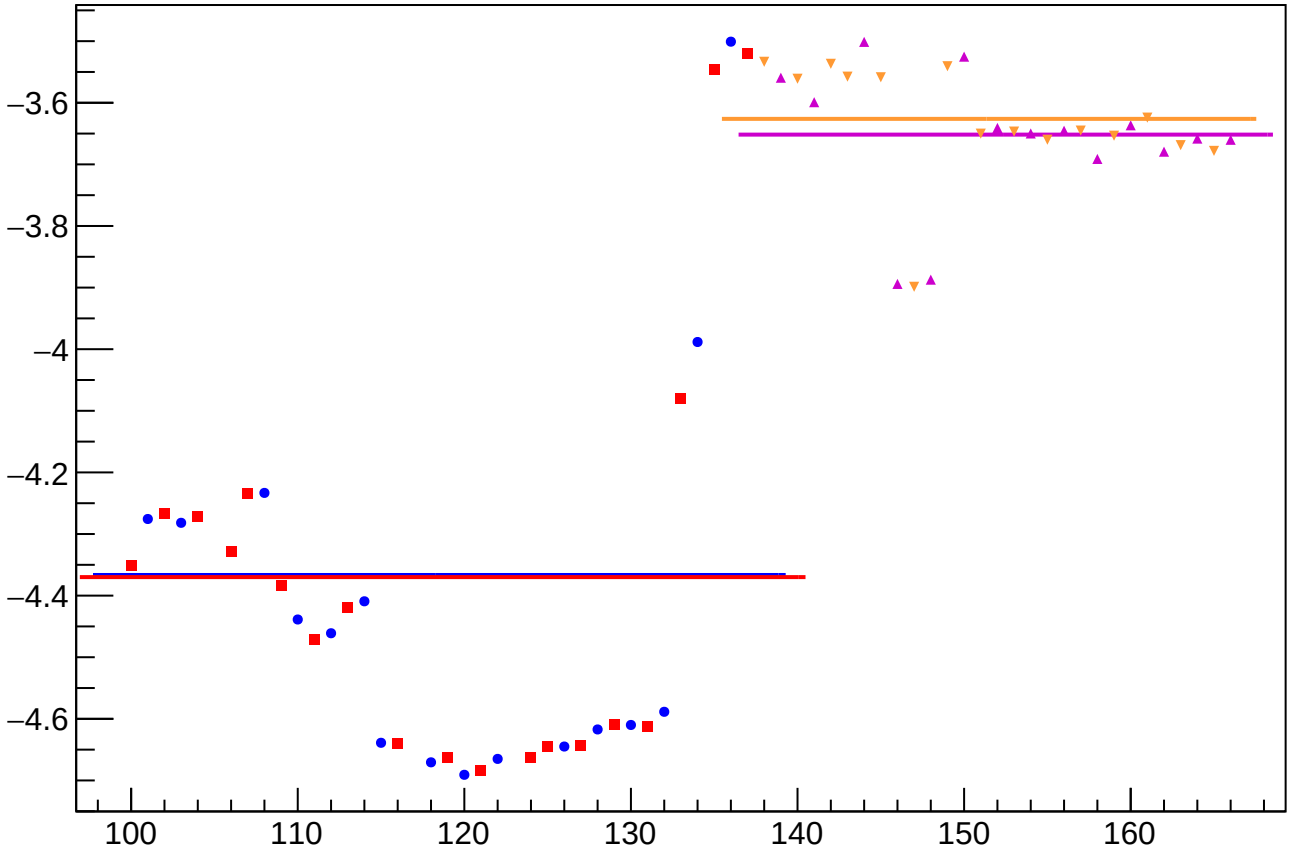
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:297720.0/29

Out: 0.001+/-0.000 χ^2/NDF:274184.6/33

All: 0.001+/-0.000 χ^2/NDF: 578697.9/63

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.626+/-0.000 χ^2/NDF:21429474193.9/14

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.652+/-0.000 χ^2/NDF:33203052524.4/13

Left: -3.639+/-0.000 χ^2/NDF: 55748217138.8/28

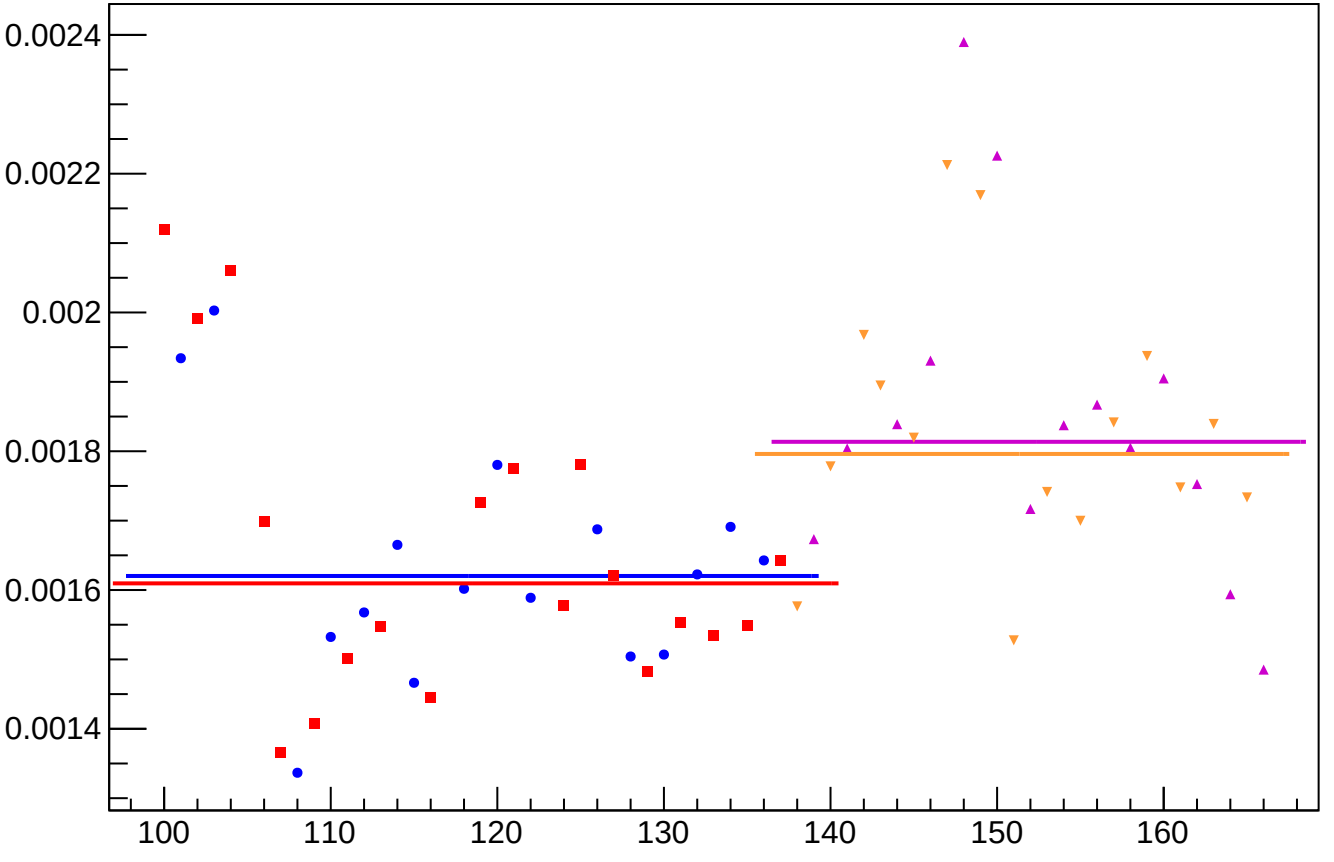
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.966+/-0.000 χ^2/NDF:1136702453029.7/29

Out: -3.954+/-0.000 χ^2/NDF:1167489765124.8/33

All: -3.960+/-0.000 χ^2/NDF: 2304593351175

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:213378.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:261405.7/13

Left: 0.002+/-0.000 χ^2/NDF: 475829.7/28

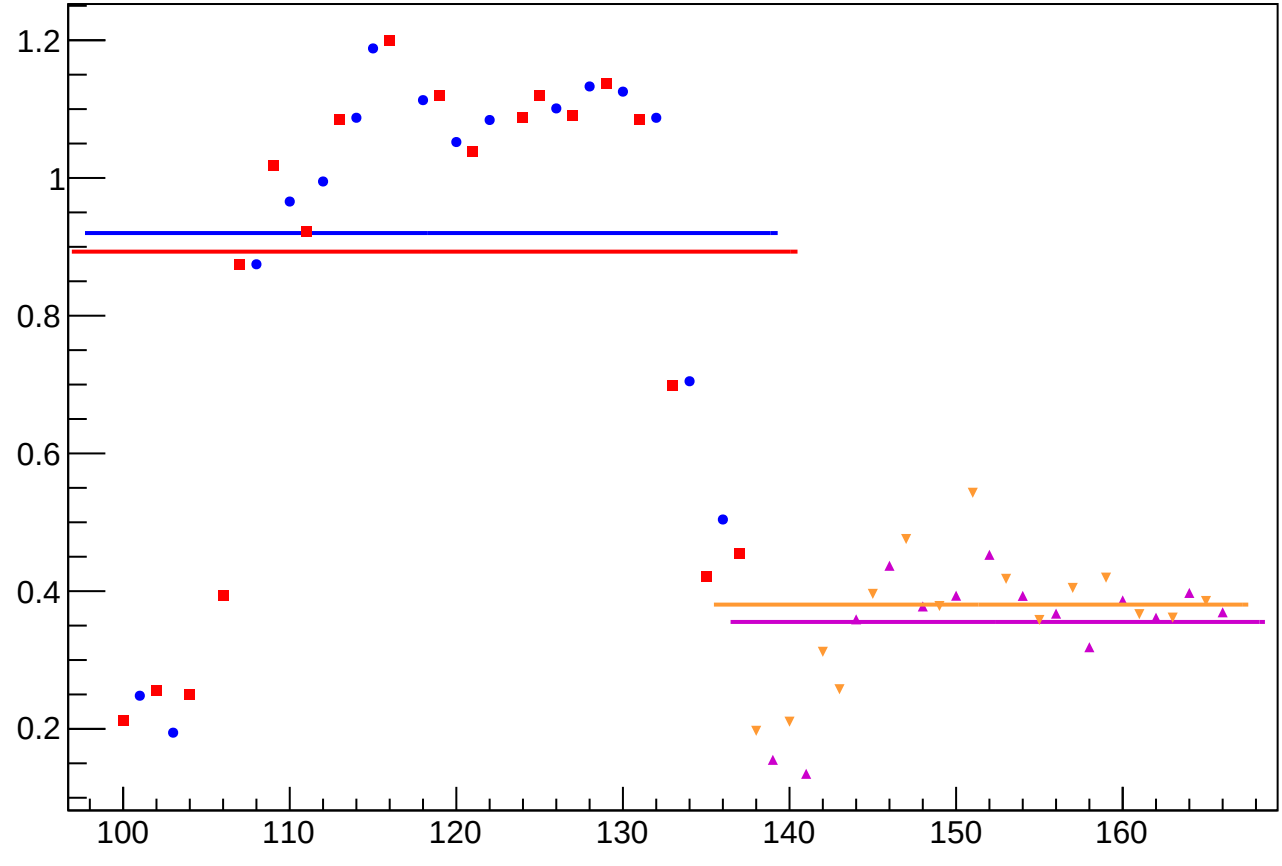
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:511443.9/29

Out: 0.002+/-0.000 χ^2/NDF:505228.9/33

All: 0.002+/-0.000 χ^2/NDF: 1018015.2/63

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1676222429.2/14

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.355+/-0.000 χ^2/NDF:1420494861.3/13

Left: 0.368+/-0.000 χ^2/NDF: 3162663449.7/28

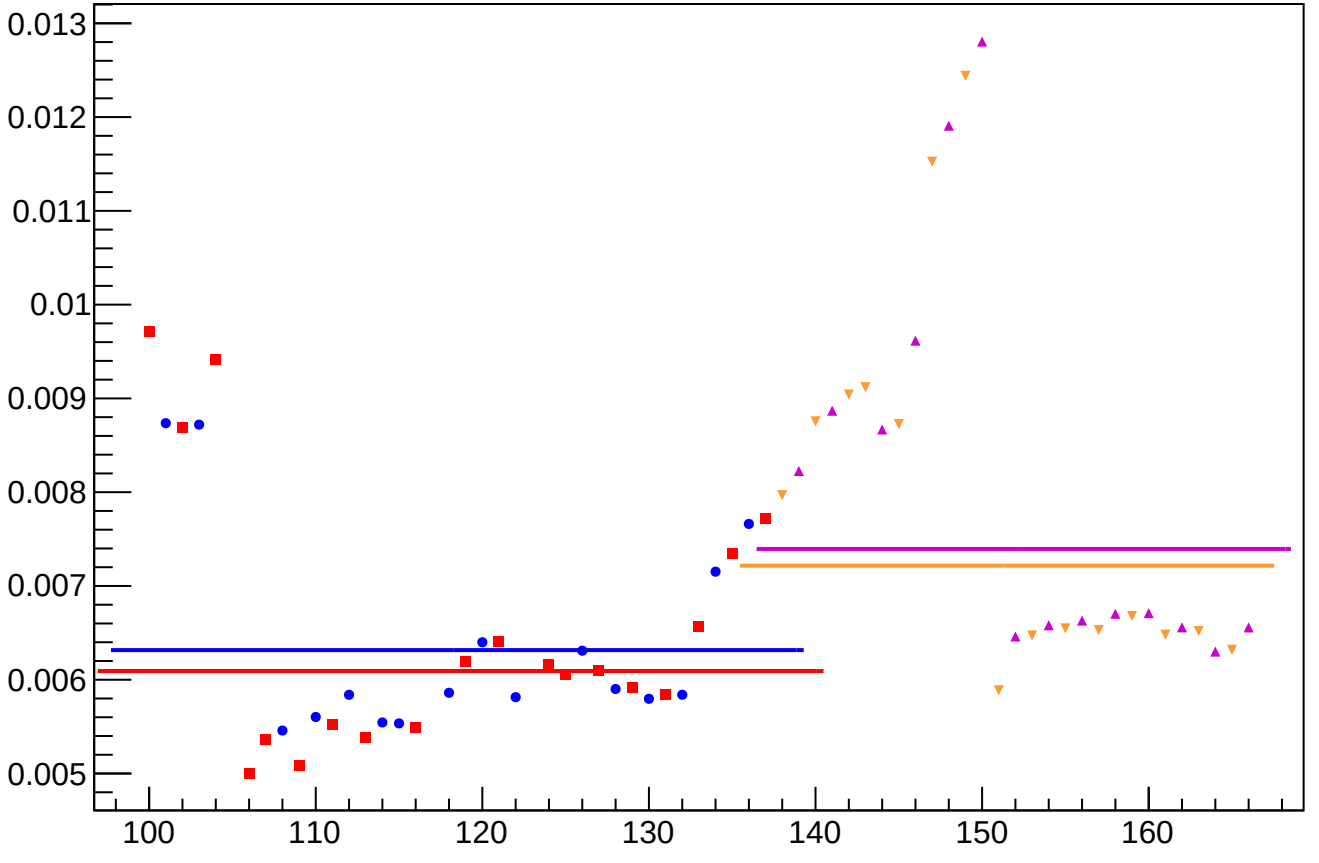
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.619+/-0.000 χ^2/NDF:45879652444.6/29

Out: 0.624+/-0.000 χ^2/NDF:46245752226.2/33

All: 0.622+/-0.000 χ^2/NDF: 92130849835.8/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:959856.6/14

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:957894.5/13

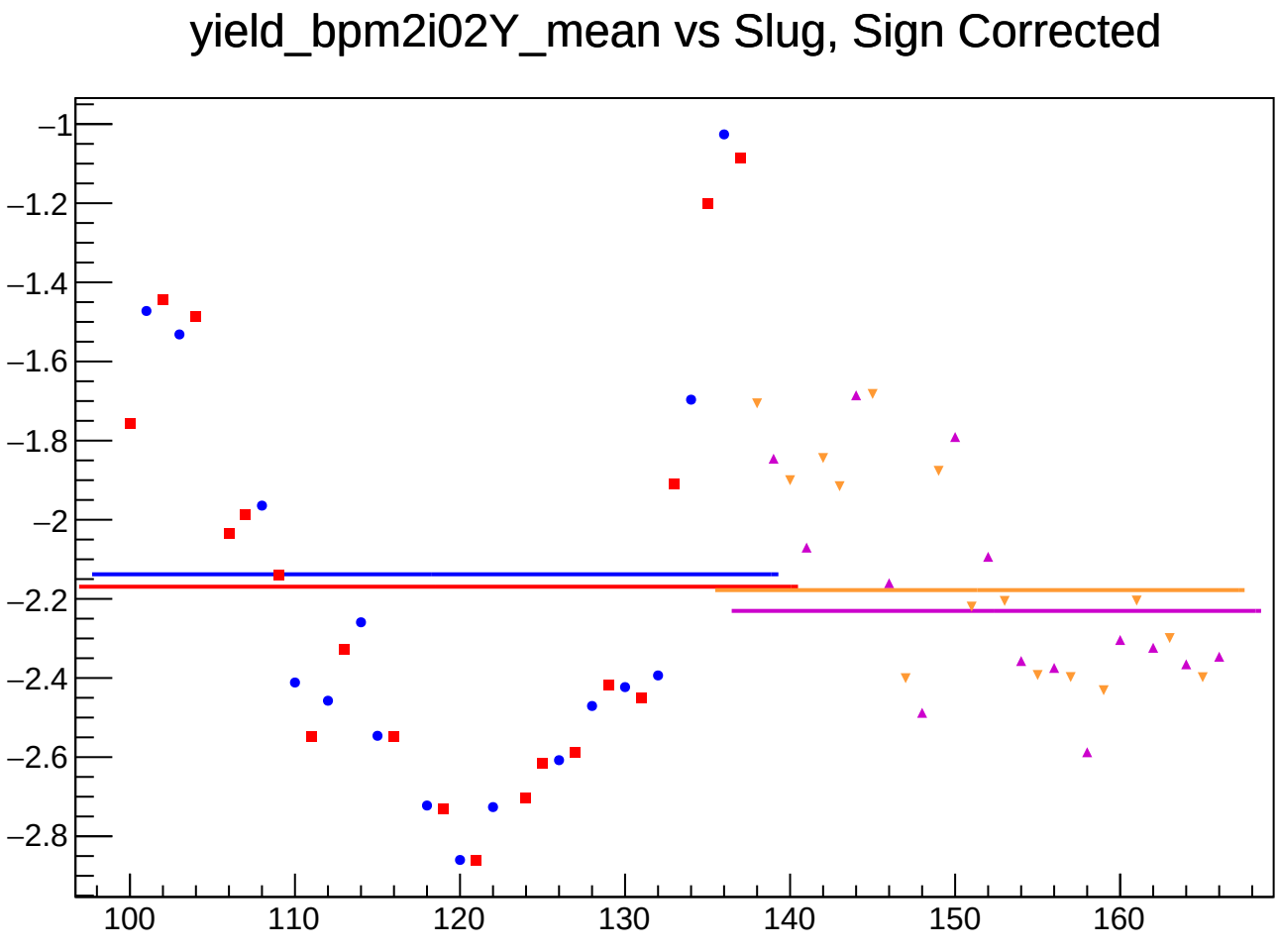
Left: 0.007+/-0.000 χ^2/NDF: 1924351.2/28

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

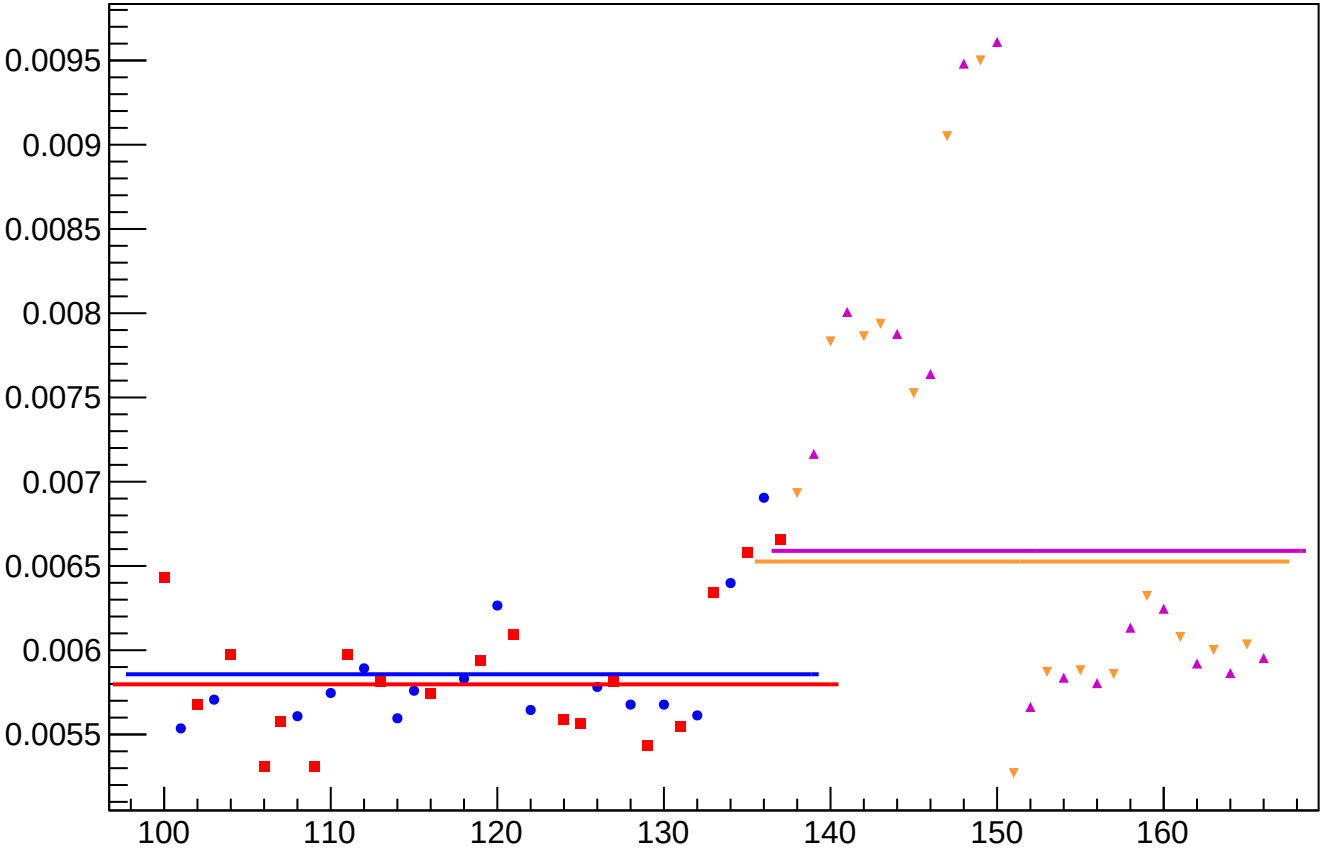
In: 0.007+/-0.000 χ^2/NDF:1511723.4/29

Out: 0.007+/-0.000 χ^2/NDF:1654513.1/33

All: 0.007+/-0.000 χ^2/NDF: 3183364.0/63


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.178+/-0.000 χ²/NDF:16060589883.7/14
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.230+/-0.000 χ²/NDF:14905299213.4/13
Left: -2.204+/-0.000 χ²/NDF: 31328743979.5/28
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.189+/-0.000 χ²/NDF:81560624282.5/29
Out: -2.174+/-0.000 χ²/NDF:73478716721.0/33
All: -2.181+/-0.000 χ²/NDF: 155092491702.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:637061.0/14

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:651758.8/13

Left: 0.007+/-0.000 χ^2/NDF: 1289872.8/28

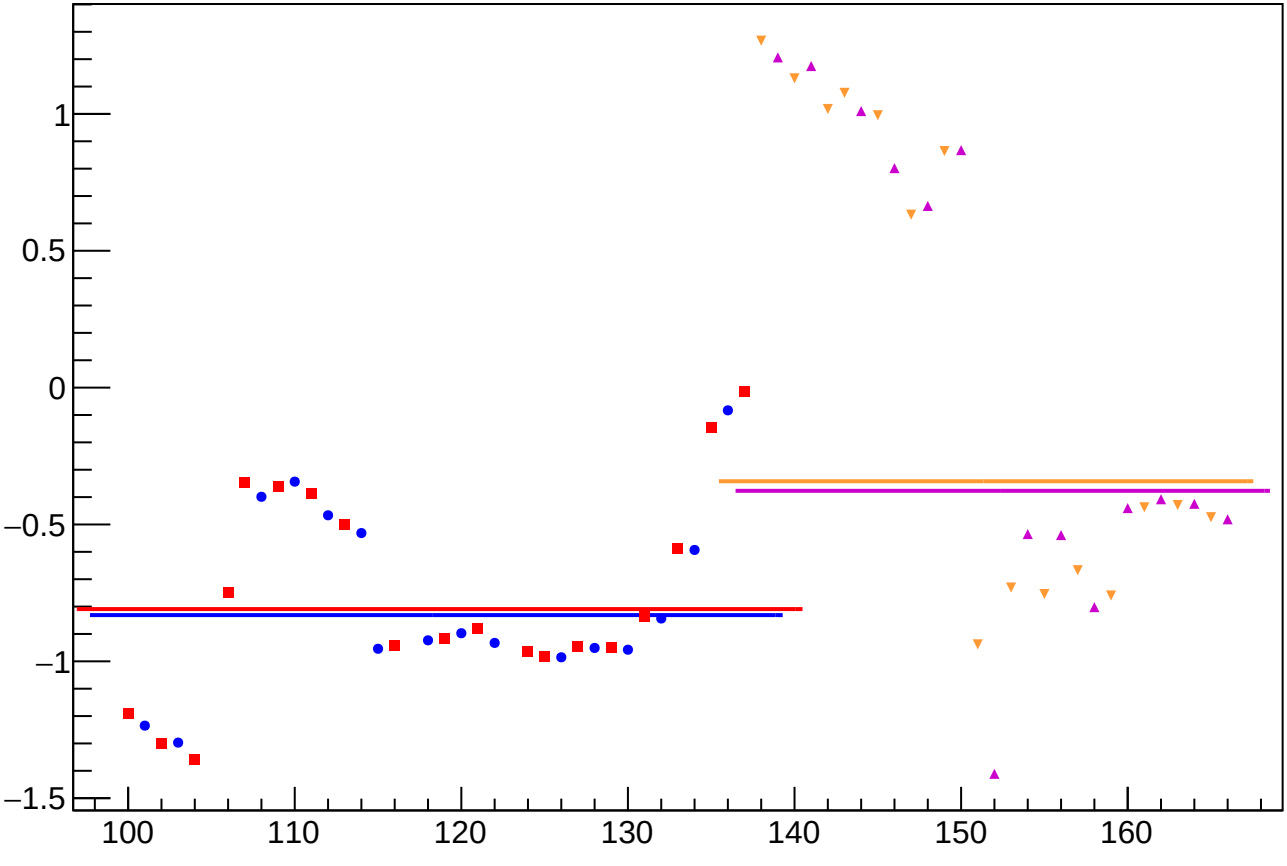
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:837609.5/29

Out: 0.006+/-0.000 χ^2/NDF:822478.8/33

All: 0.006+/-0.000 χ^2/NDF: 1662073.2/63

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.342+/-0.000 χ^2/NDF:77237412443.2/14

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.377+/-0.000 χ^2/NDF:87205446969.3/13

Left: -0.359+/-0.000 χ^2/NDF: 164549375521.9/28

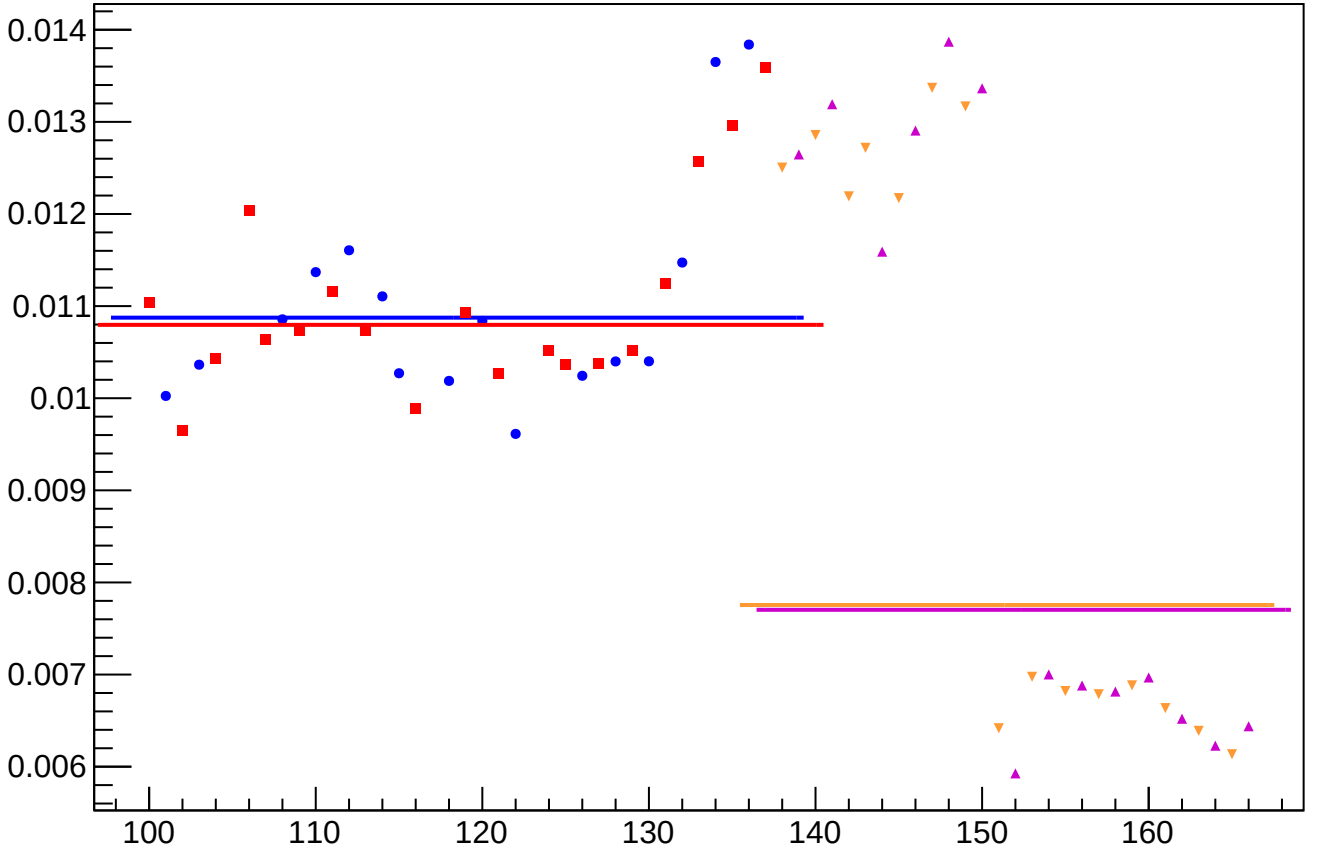
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.493+/-0.000 χ^2/NDF:103443645929.2/29

Out: -0.464+/-0.000 χ^2/NDF:95367811692.5/33

All: -0.479+/-0.000 χ^2/NDF: 198909666067.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1989332.2/14

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2072869.7/13

Left: 0.008+/-0.000 χ^2/NDF: 4062674.5/28

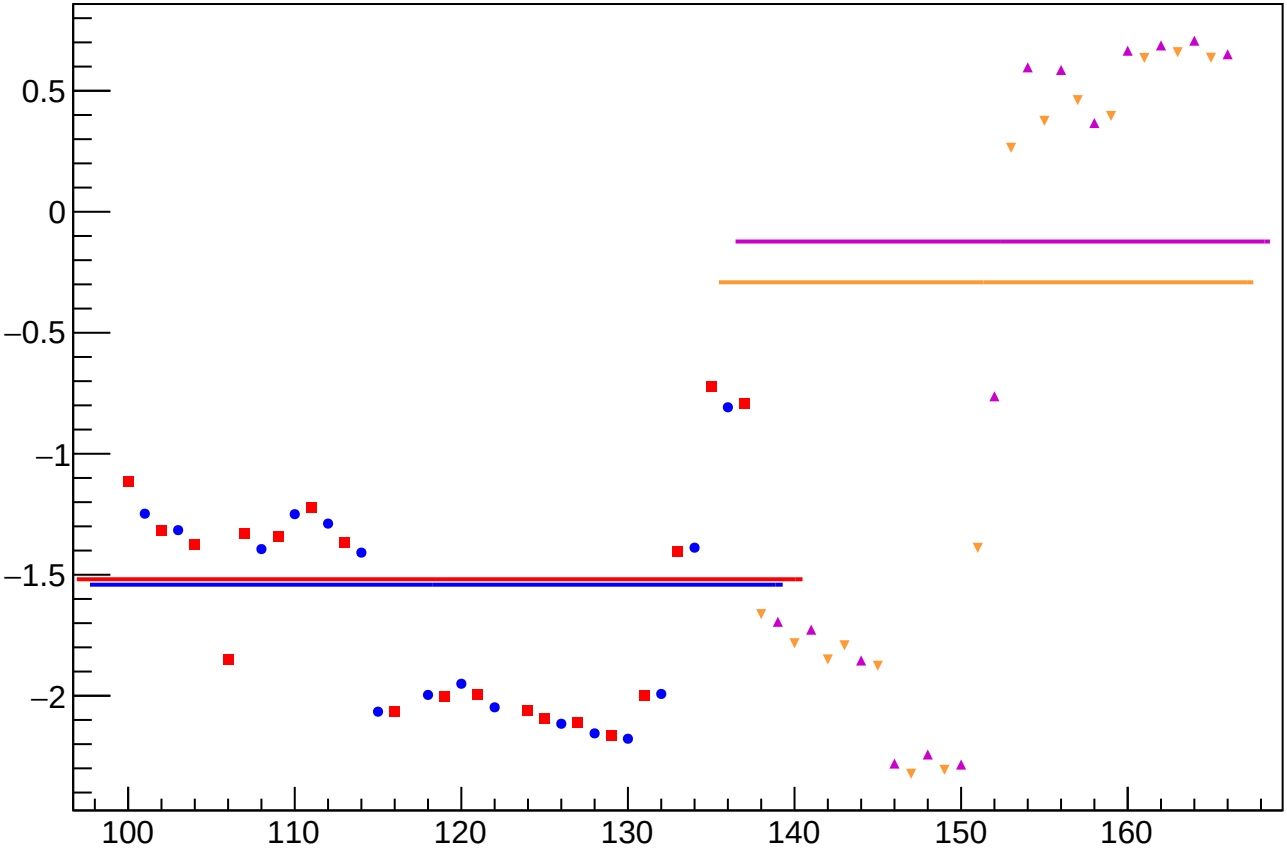
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.009+/-0.000 χ^2/NDF:3121113.0/29

Out: 0.009+/-0.000 χ^2/NDF:2935153.2/33

All: 0.009+/-0.000 χ^2/NDF: 6056580.5/63

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.291+/-0.000 χ^2/NDF:1824479515004.5/14

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -0.123+/-0.000 χ^2/NDF:1771937709456.6/13

Left: -0.208+/-0.000 χ^2/NDF: 3616952447684.4/28

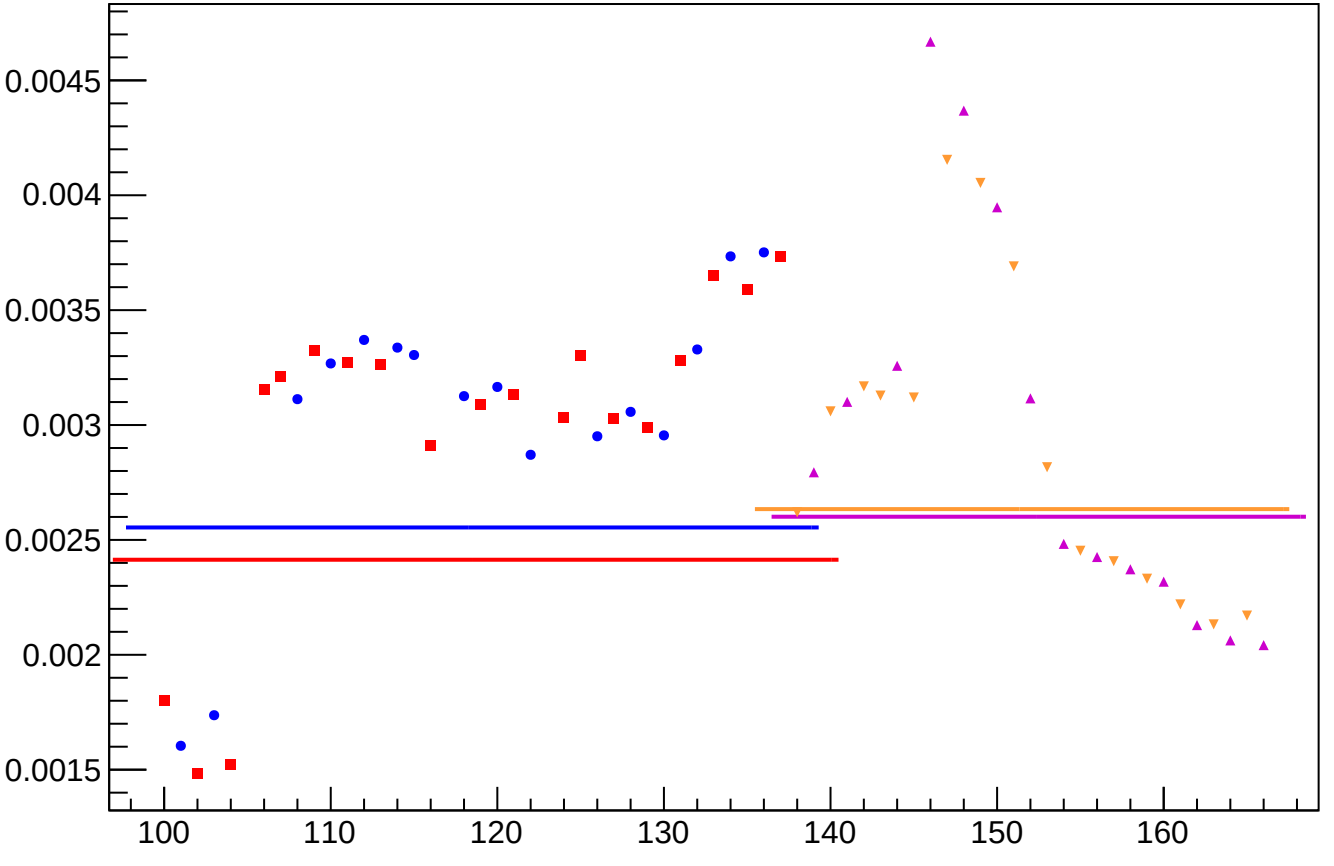
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.680+/-0.000 χ^2/NDF:3068838068721.3/29

Out: -0.796+/-0.000 χ^2/NDF:2872032903603.3/33

All: -0.739+/-0.000 χ^2/NDF: 5957137813736

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:804717.5/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1045572.9/13

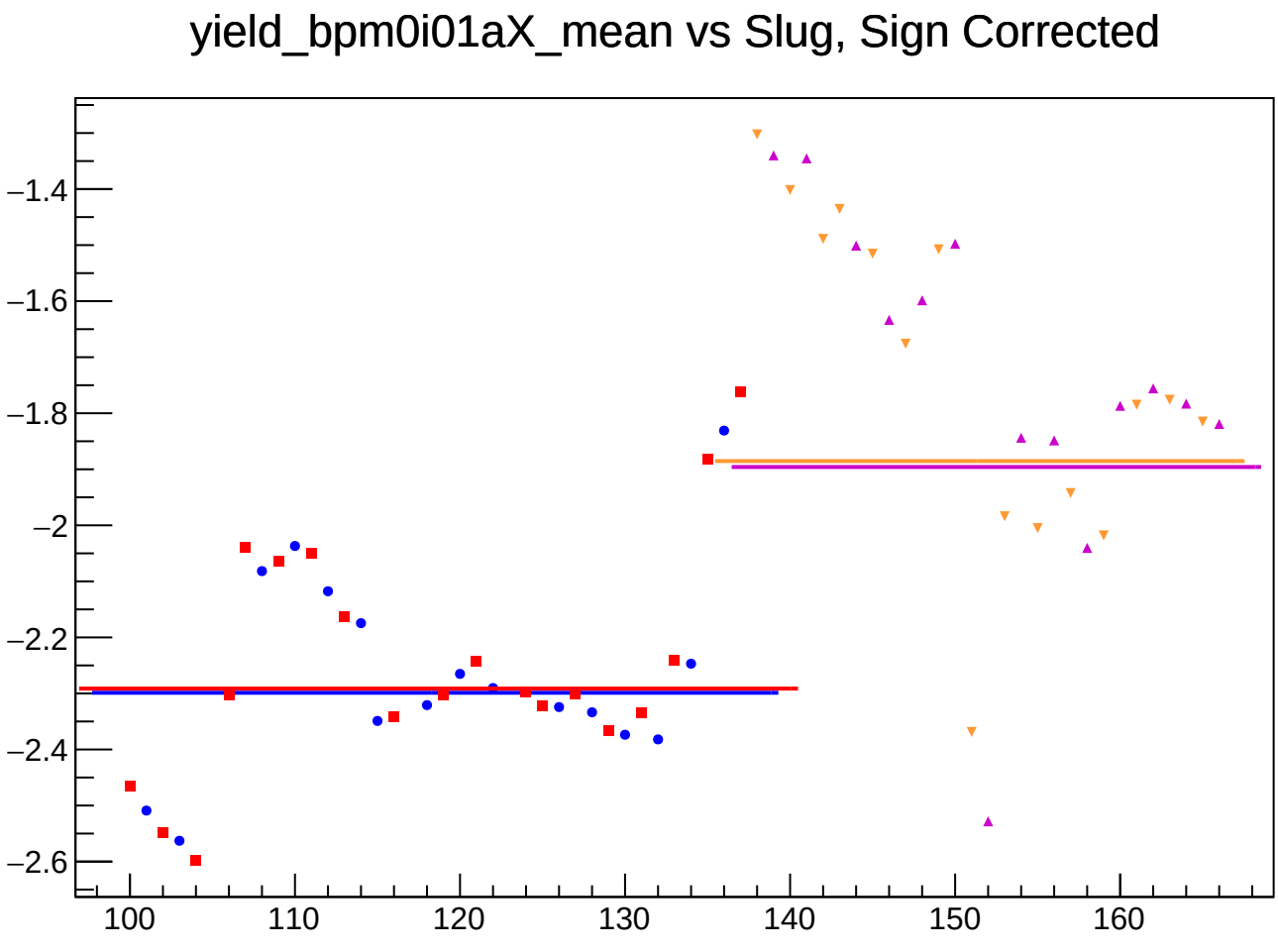
Left: 0.003+/-0.000 χ^2/NDF: 1851883.1/28

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

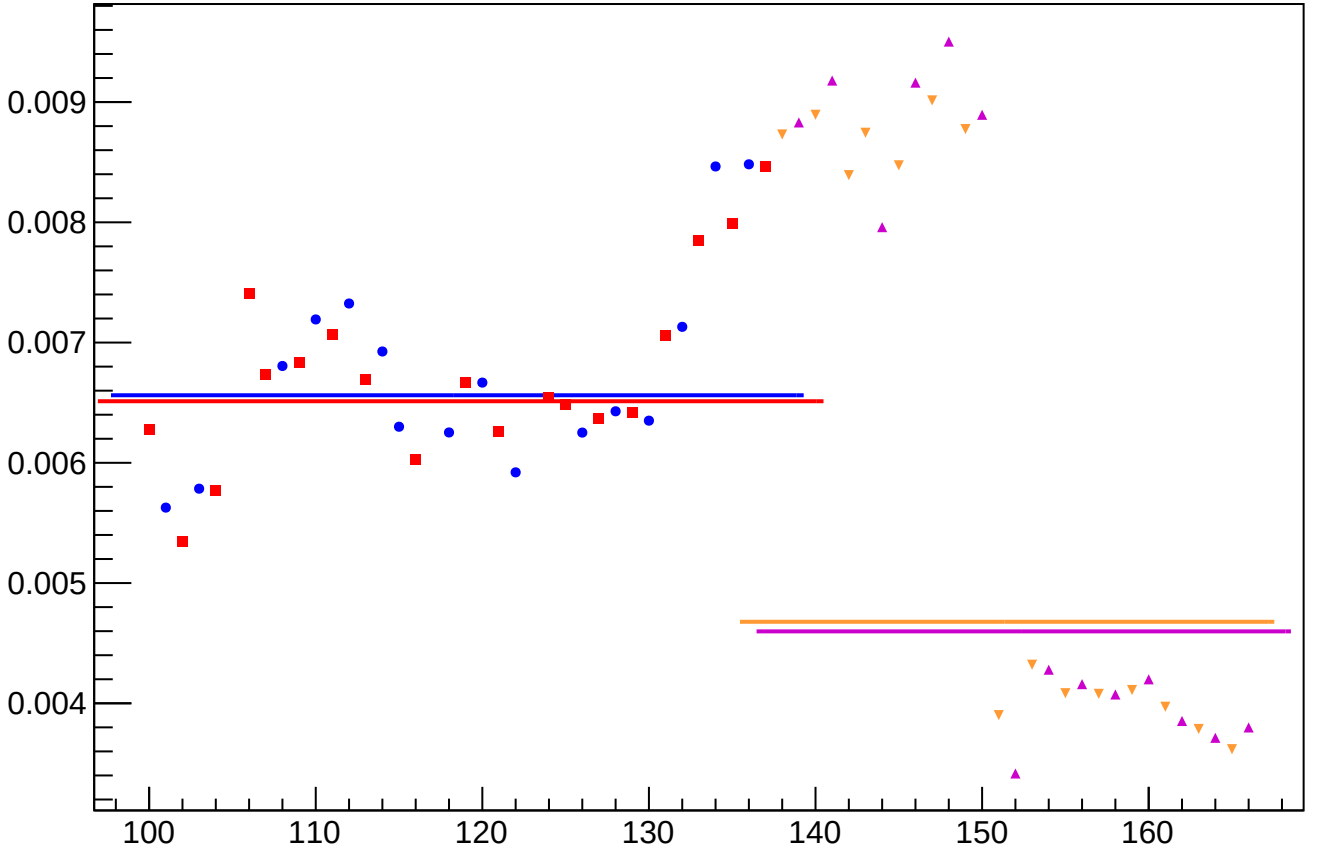
In: 0.003+/-0.000 χ^2/NDF:2220472.4/29

Out: 0.003+/-0.000 χ^2/NDF:2409755.4/33

All: 0.003+/-0.000 χ^2/NDF: 4633912.5/63


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.885+/-0.000 χ²/NDF:27008172868.7/14
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.896+/-0.000 χ²/NDF:43283879184.5/13
Left: -1.891+/-0.000 χ²/NDF: 70317606345.5/28
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.000+/-0.000 χ²/NDF:68735347273.8/29
Out: -1.994+/-0.000 χ²/NDF:54040246440.0/33
All: -1.997+/-0.000 χ²/NDF: 122787898192.1

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2633236.8/14

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2781746.8/13

Left: 0.005+/-0.000 χ^2/NDF: 5417905.9/28

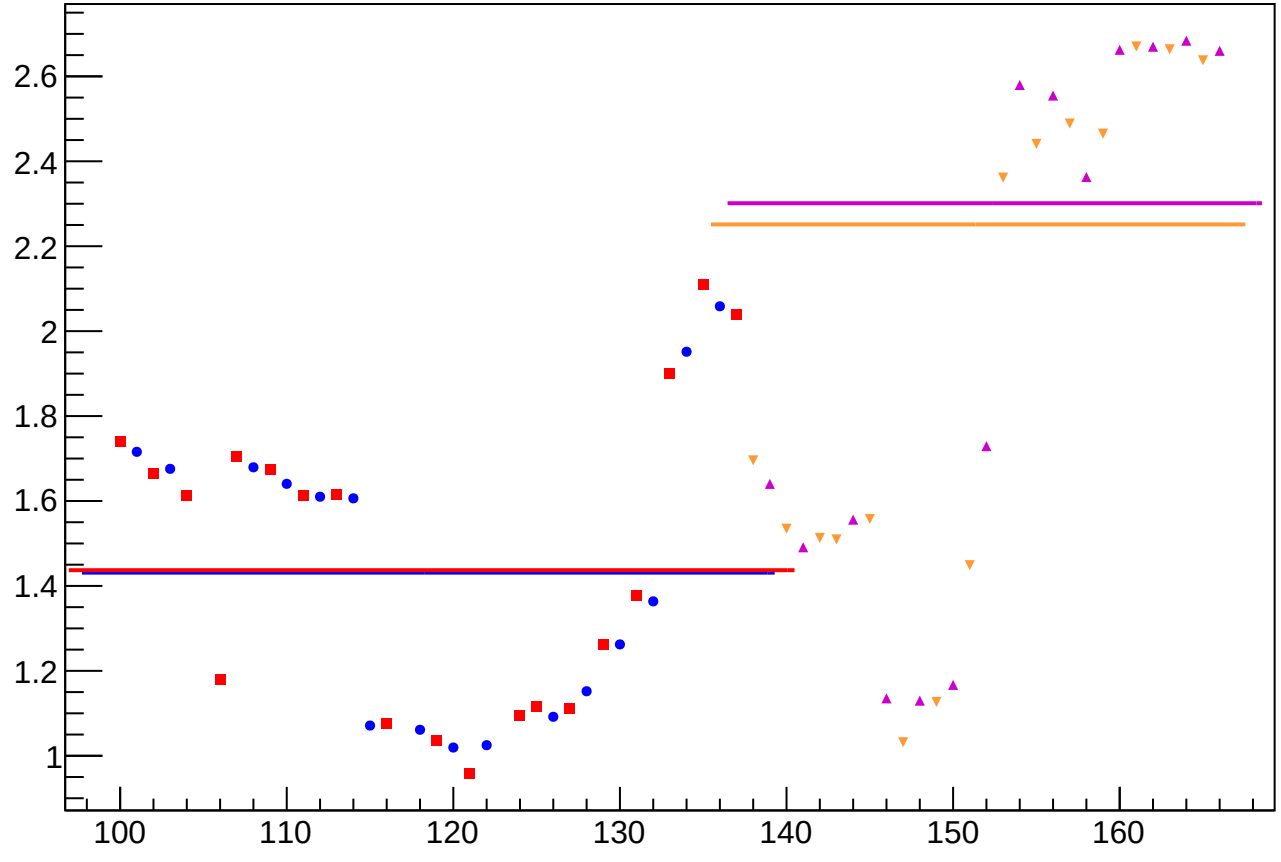
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3921844.7/29

Out: 0.005+/-0.000 χ^2/NDF:3642890.7/33

All: 0.005+/-0.000 χ^2/NDF: 7567120.9/63

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.251+/-0.000 χ^2/NDF:193264704598.9/14

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.301+/-0.000 χ^2/NDF:194962687129.0/13

Left: 2.276+/-0.000 χ^2/NDF: 389255569127.9/28

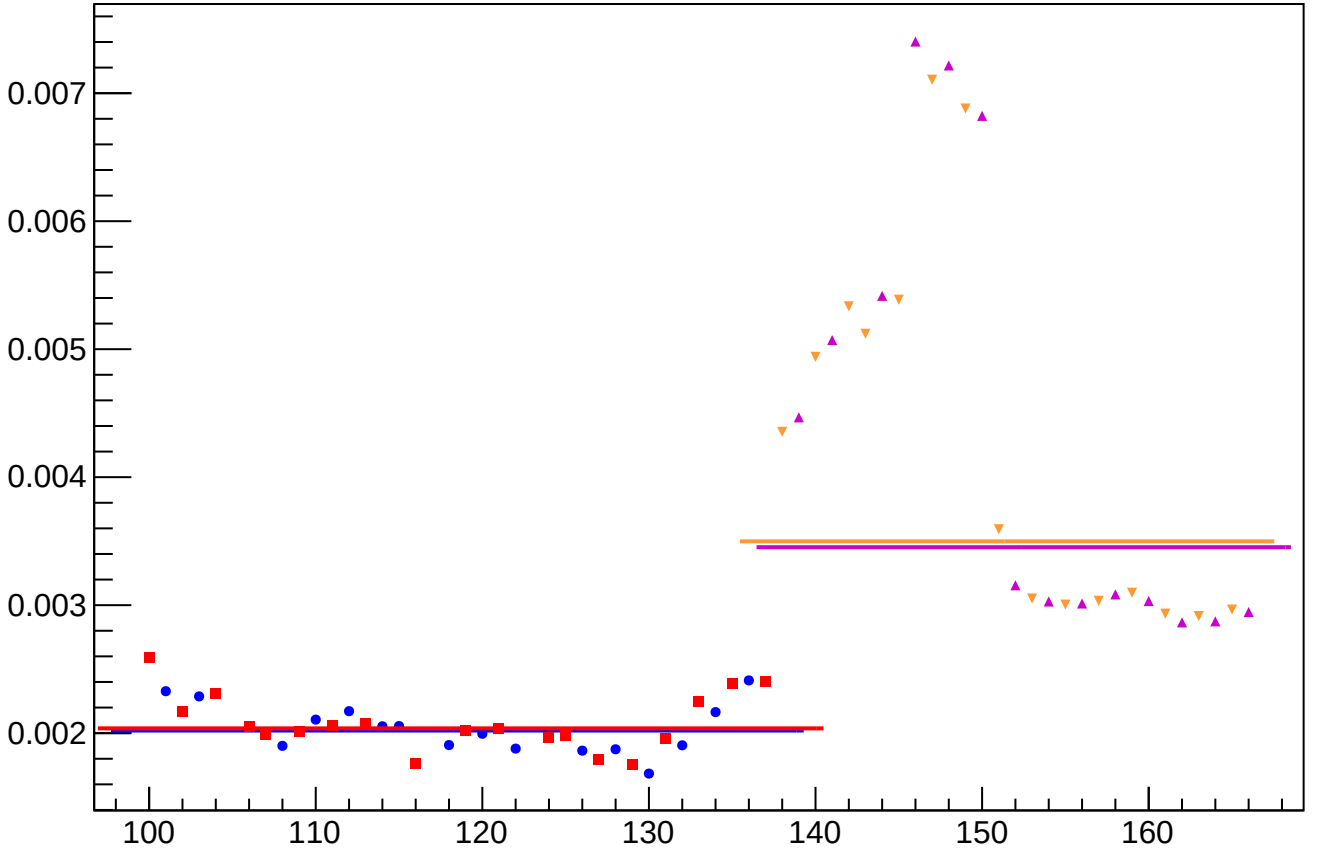
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.723+/-0.000 χ^2/NDF:796339182527.2/29

Out: 1.712+/-0.000 χ^2/NDF:740004374488.0/33

All: 1.717+/-0.000 χ^2/NDF: 1536498035223.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1594295.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1872220.0/13

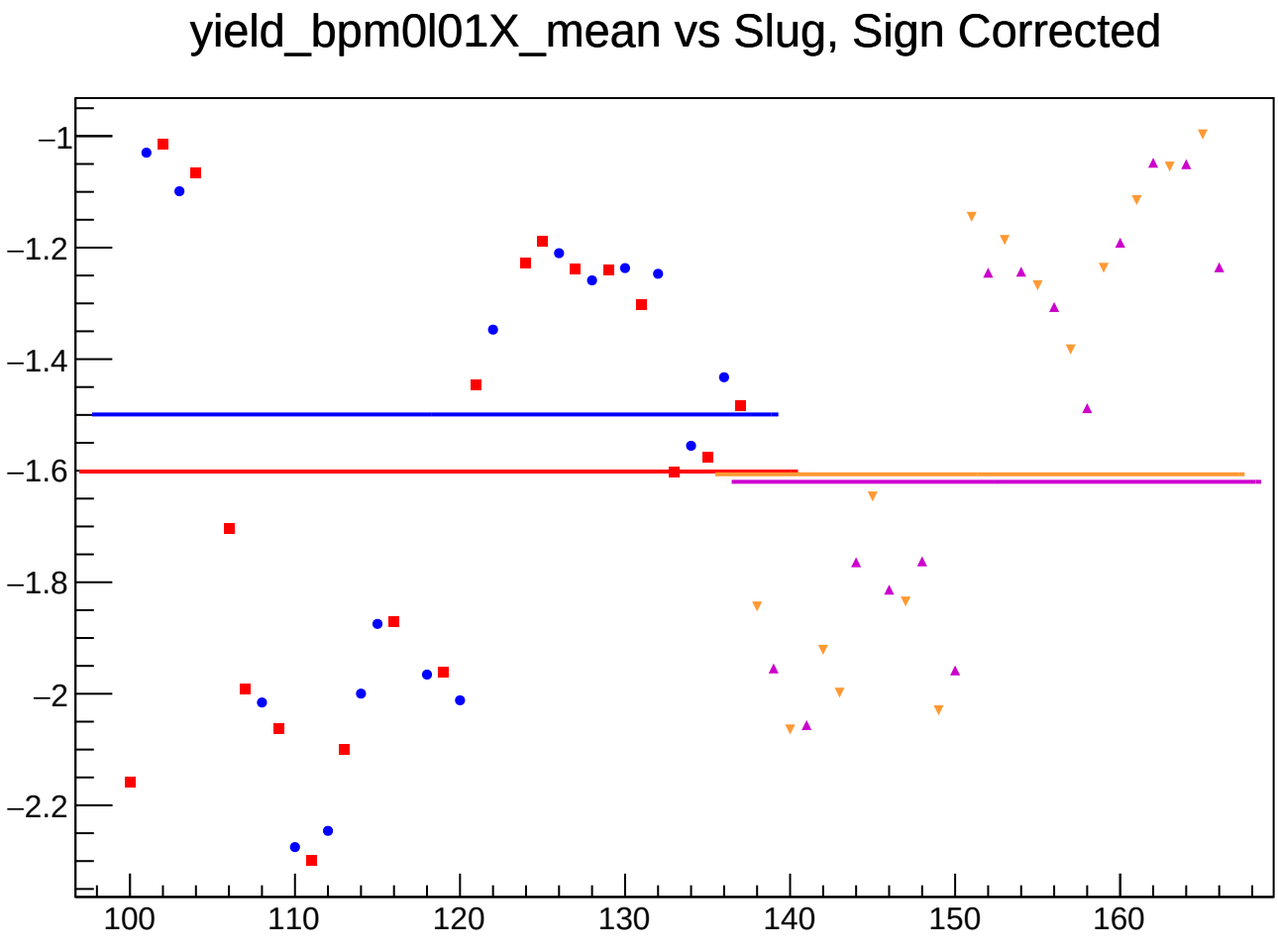
Left: 0.003+/-0.000 χ^2/NDF: 3468234.6/28

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

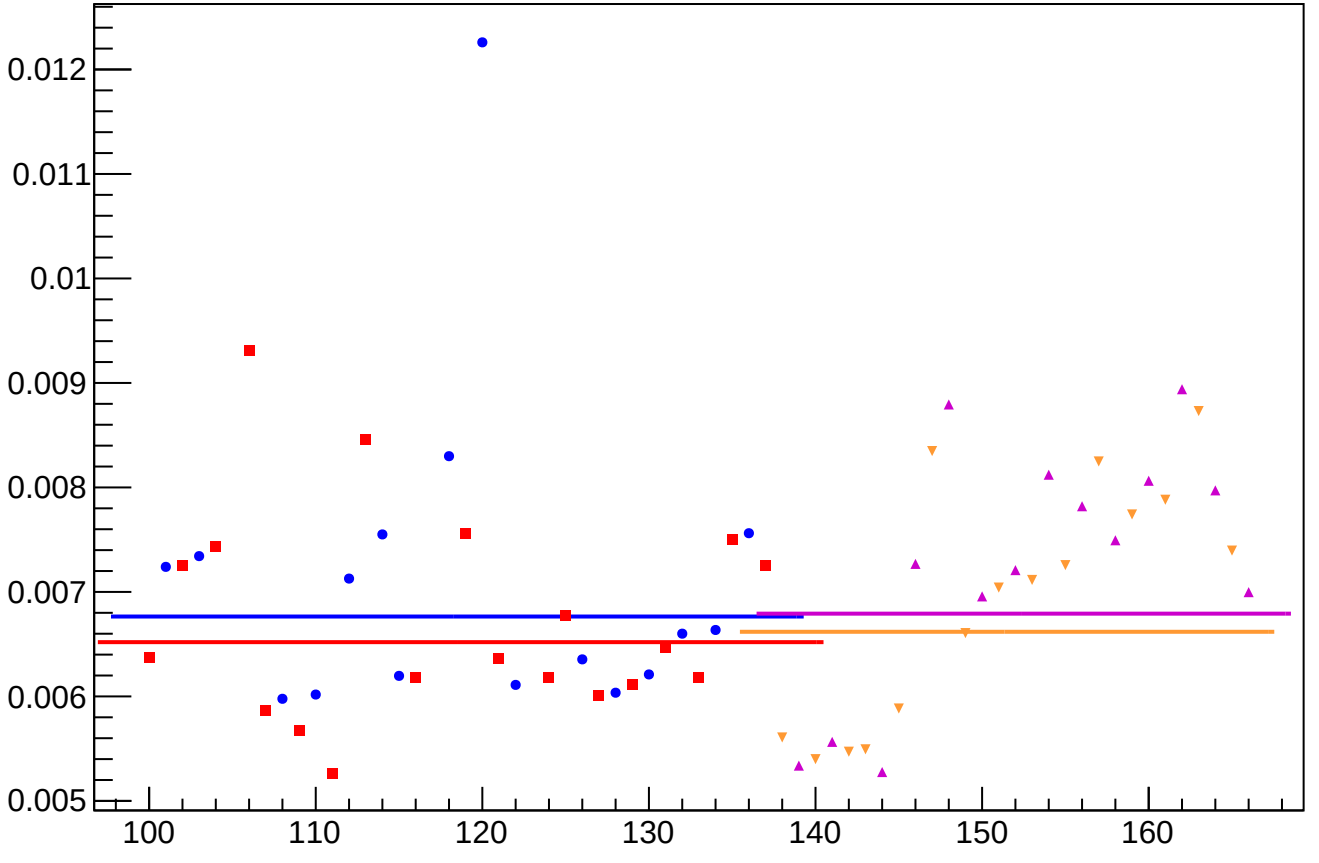
In: 0.003+/-0.000 χ^2/NDF:4262475.5/29

Out: 0.003+/-0.000 χ^2/NDF:4056884.7/33

All: 0.003+/-0.000 χ^2/NDF: 8321513.9/63


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.606+/-0.000 χ²/NDF:36736067789.8/14
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.620+/-0.000 χ²/NDF:27166268302.2/13
Left: -1.613+/-0.000 χ²/NDF: 63923858605.8/28
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.573+/-0.000 χ²/NDF:51366733981.8/29
Out: -1.604+/-0.000 χ²/NDF:65063372368.5/33
All: -1.590+/-0.000 χ²/NDF: 116617354480.9

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:585628.4/14

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:674444.2/13

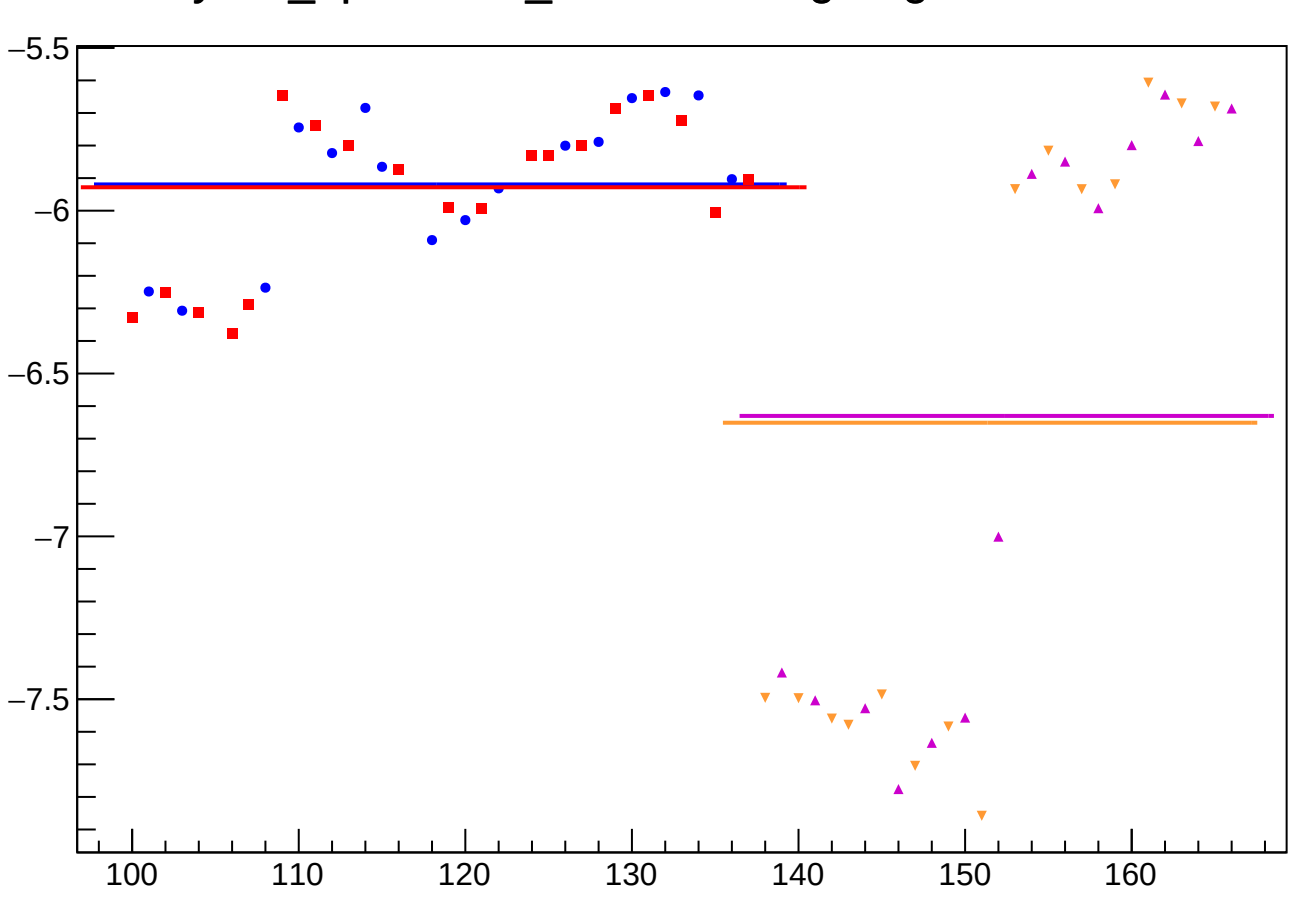
Left: 0.007+/-0.000 χ^2/NDF: 1267177.5/28

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:913142.4/29

Out: 0.007+/-0.000 χ^2/NDF:832983.3/33

All: 0.007+/-0.000 χ^2/NDF: 1761973.7/63



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.651+/-0.000 χ^2/NDF:86244505464.7/14

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.630+/-0.000 χ^2/NDF:69781136800.3/13

Left: -6.641+/-0.000 χ^2/NDF: 156047562921.1/28

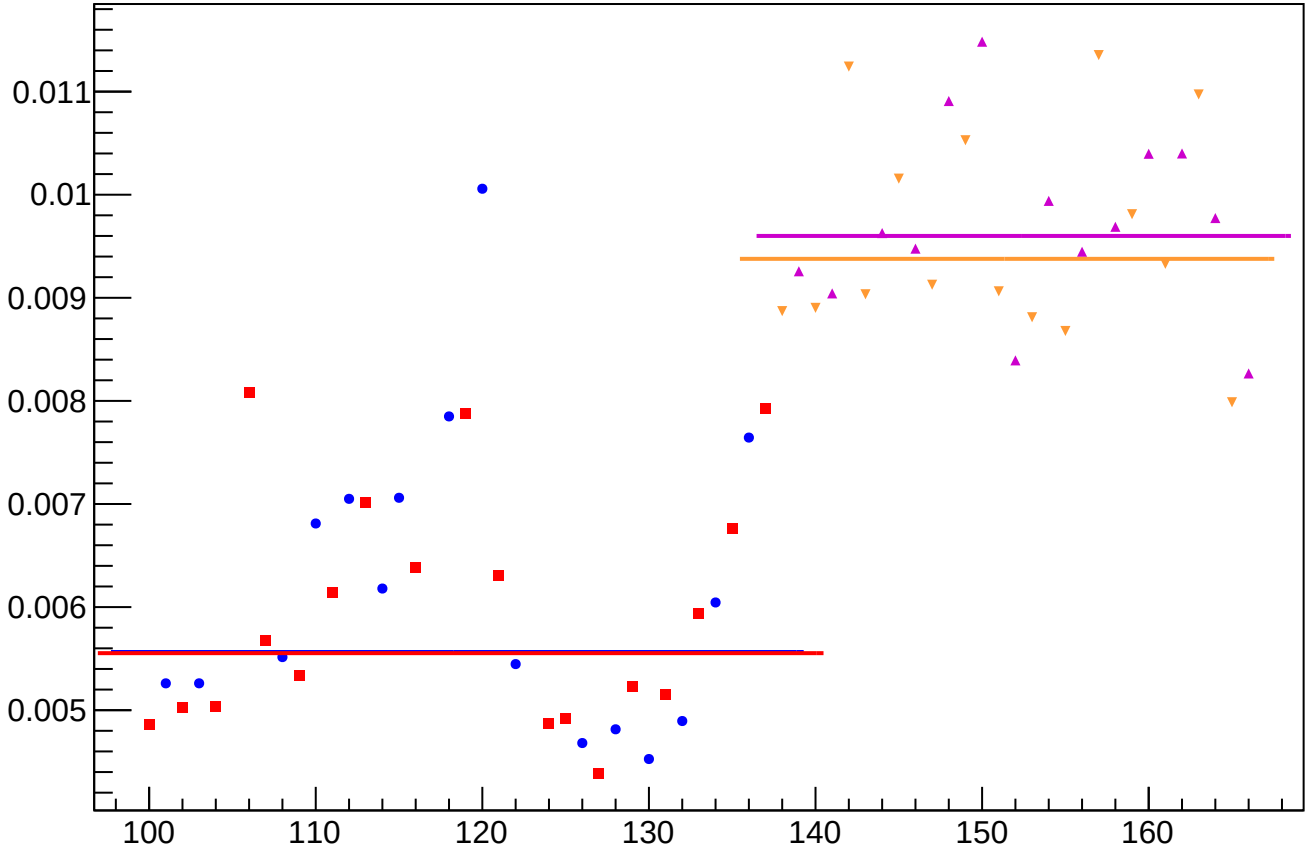
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.154+/-0.000 χ^2/NDF:114557468263.5/29

Out: -6.165+/-0.000 χ^2/NDF:135015345398.2/33

All: -6.160+/-0.000 χ^2/NDF: 249592565615.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:172245.5/14

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:137804.0/13

Left: 0.009+/-0.000 χ^2/NDF: 314996.3/28

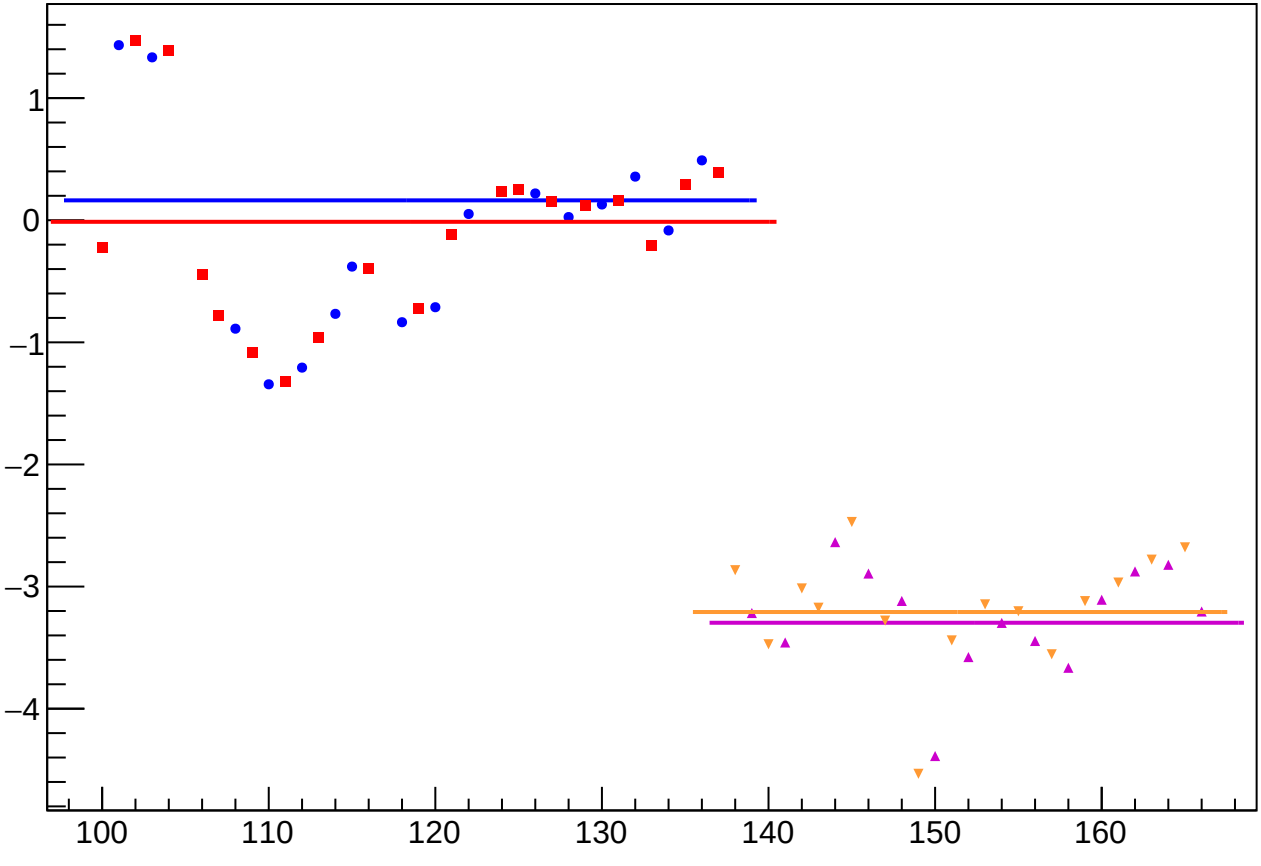
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2763577.8/29

Out: 0.007+/-0.000 χ^2/NDF:2559268.3/33

All: 0.007+/-0.000 χ^2/NDF: 5325201.3/63

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.208+/-0.000 χ^2/NDF:8070346218.6/14

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.296+/-0.000 χ^2/NDF:6281482924.9/13

Left: -3.251+/-0.000 χ^2/NDF: 14488701181.2/28

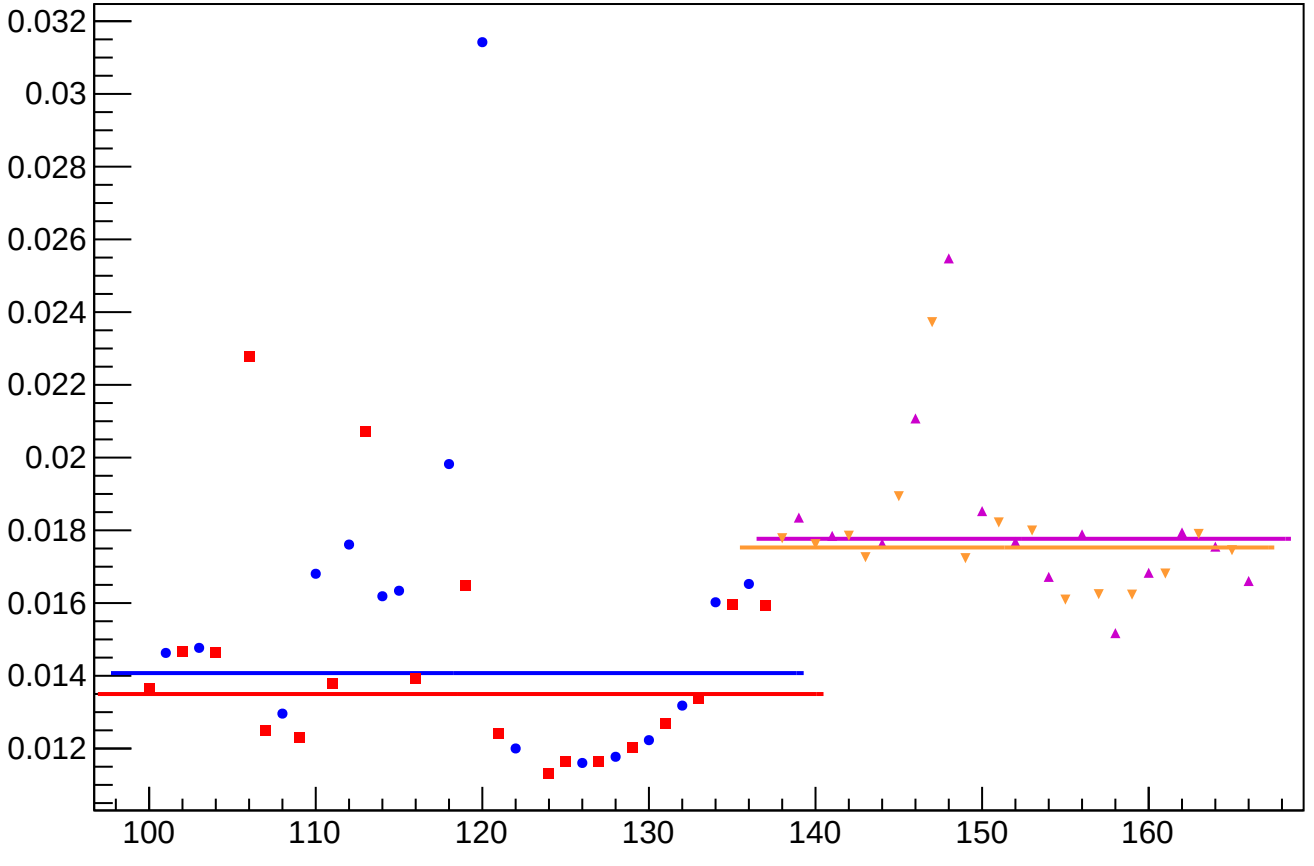
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.634+/-0.000 χ^2/NDF:222043270010.1/29

Out: -1.593+/-0.000 χ^2/NDF:218218064362.1/33

All: -1.612+/-0.000 χ^2/NDF: 440320677113.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:152391.4/14

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:249278.9/13

Left: 0.018+/-0.000 χ^2/NDF: 403689.5/28

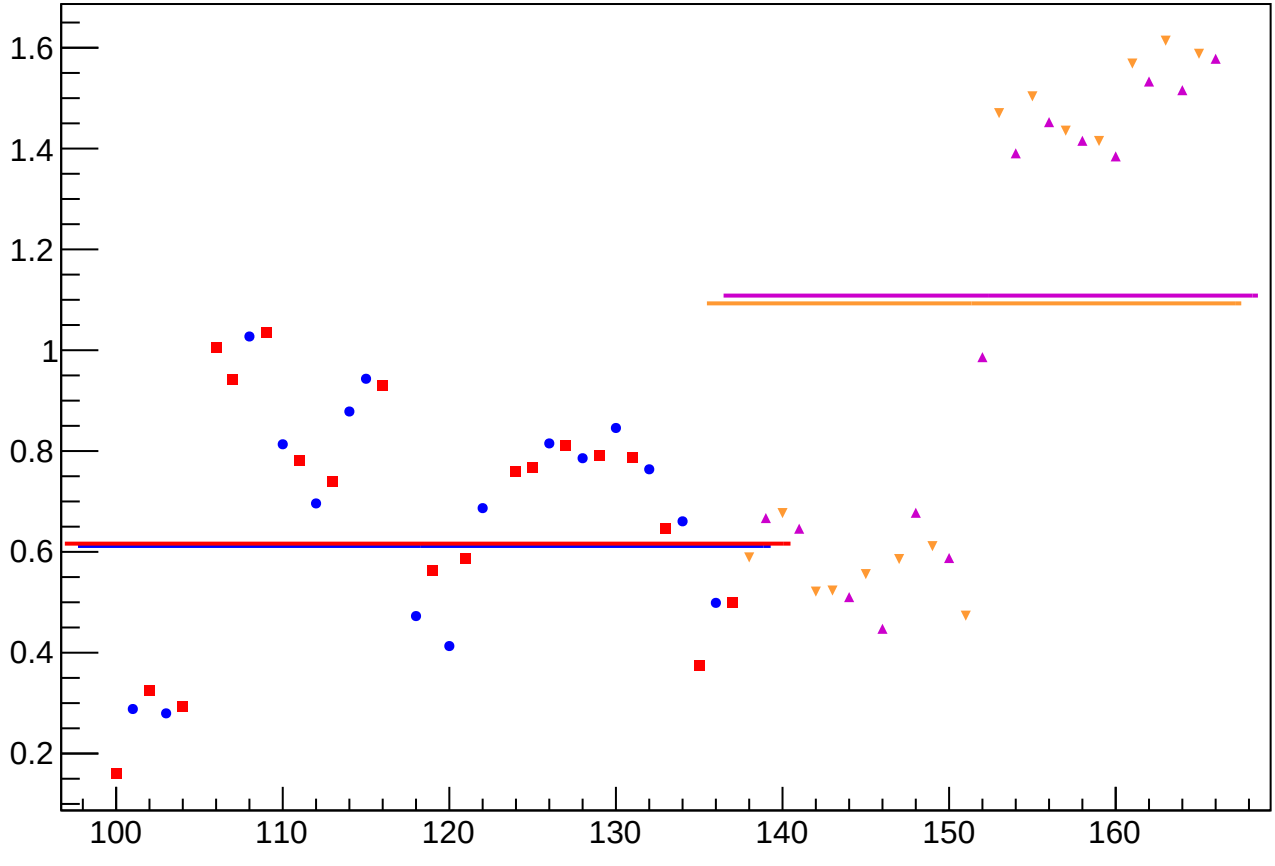
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1165653.8/29

Out: 0.015+/-0.000 χ^2/NDF:1064112.1/33

All: 0.016+/-0.000 χ^2/NDF: 2247311.1/63

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.093+/-0.000 χ^2/NDF:35837154894.0/14

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.108+/-0.000 χ^2/NDF:28532720888.2/13

Left: 1.101+/-0.000 χ^2/NDF: 64389664820.5/28

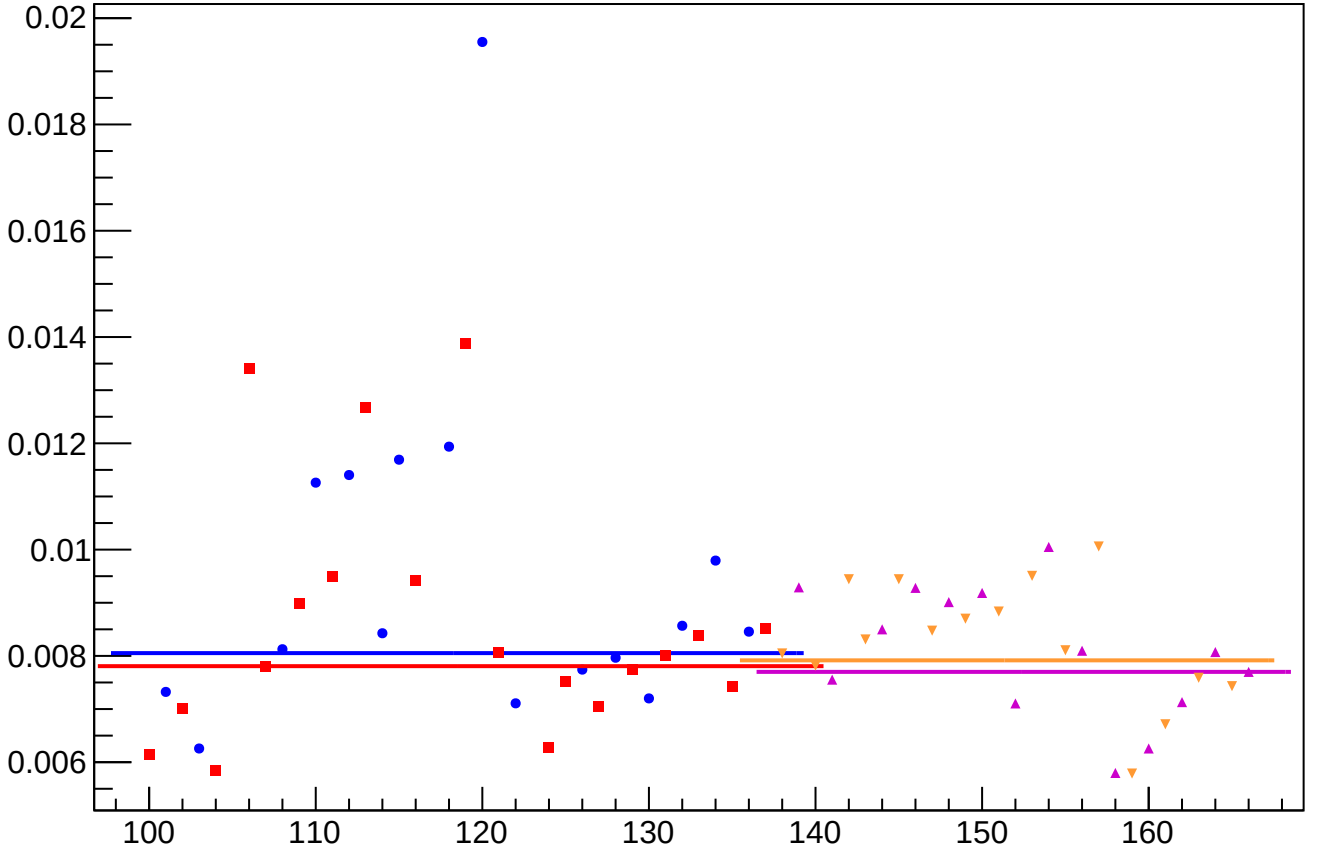
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.931+/-0.000 χ^2/NDF:49140516602.5/29

Out: 0.905+/-0.000 χ^2/NDF:56747690660.0/33

All: 0.918+/-0.000 χ^2/NDF: 105974450399.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:466135.6/14

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/13

Left: 0.008+/-0.000 χ^2/NDF: 1011299.0/28

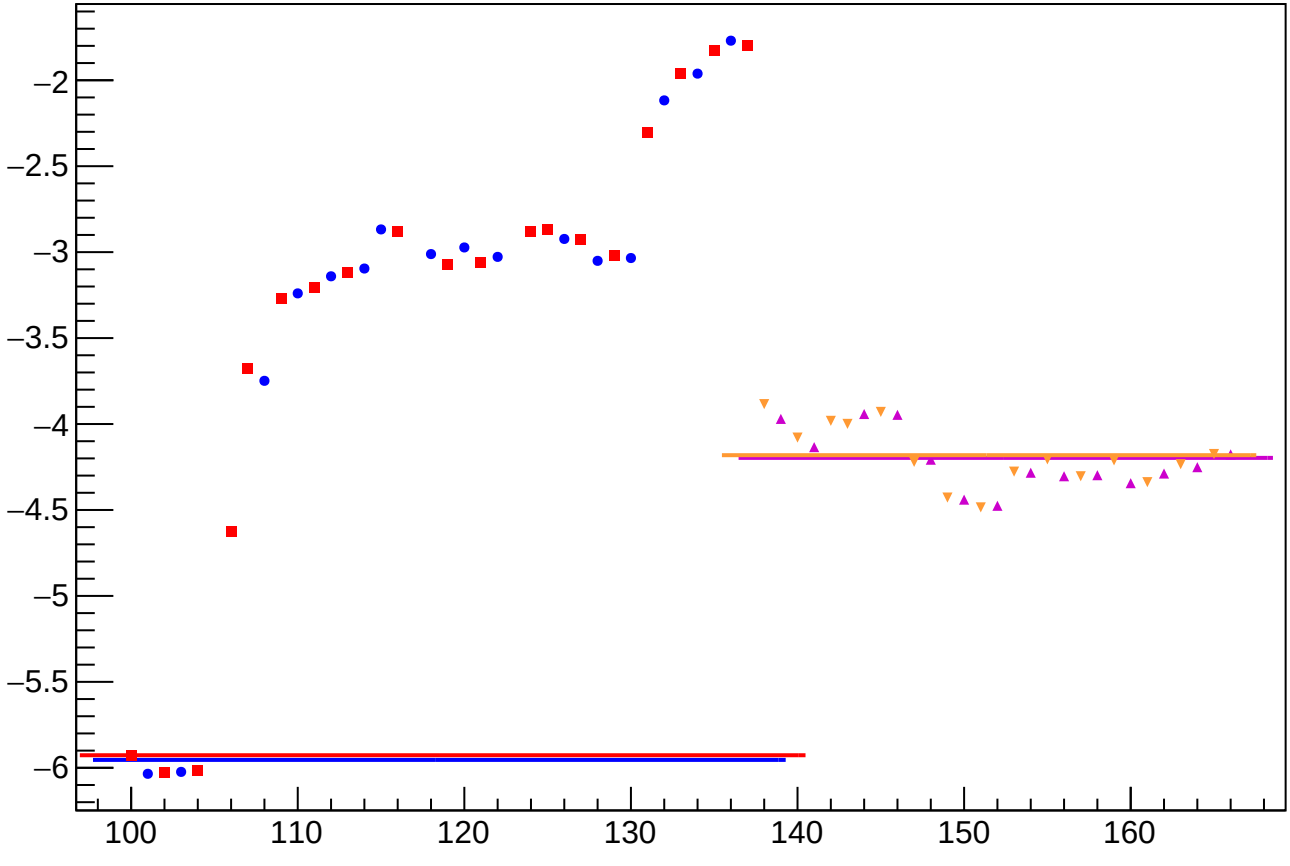
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1150814.8/29

Out: 0.008+/-0.000 χ^2/NDF:1054815.6/33

All: 0.008+/-0.000 χ^2/NDF: 2206231.0/63

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.181+/-0.000 χ^2/NDF:52549975.0/14

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.197+/-0.000 χ^2/NDF:39990453.8/13

Left: -4.190+/-0.000 χ^2/NDF: 92708423.2/28

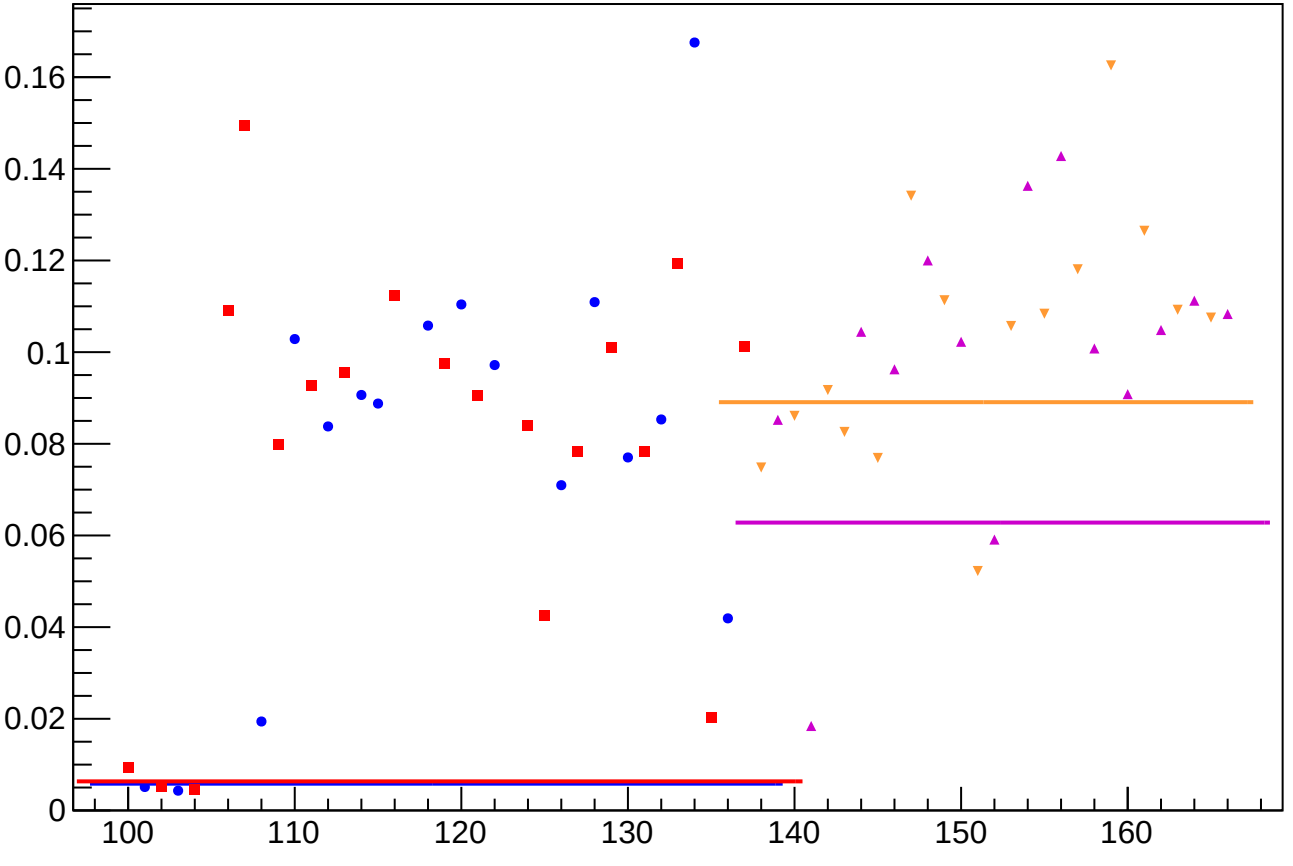
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.901+/-0.000 χ^2/NDF:17964606721.9/29

Out: -5.879+/-0.000 χ^2/NDF:17491768539.4/33

All: -5.891+/-0.000 χ^2/NDF: 35467456858.4/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.089+/-0.000 χ^2/NDF:1569168.5/14

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.063+/-0.000 χ^2/NDF:5586100.3/13

Left: 0.074+/-0.000 χ^2/NDF: 8098720.5/28

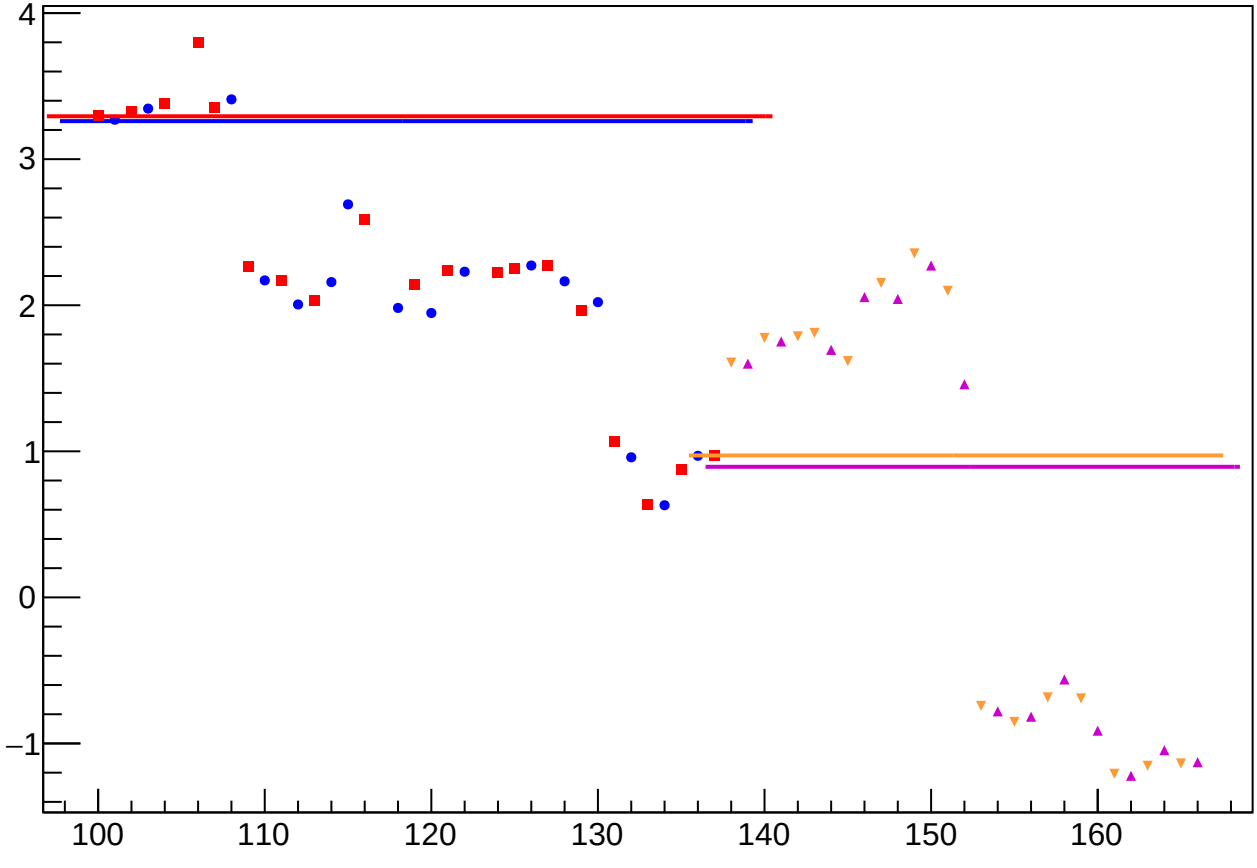
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:24429616.0/29

Out: 0.009+/-0.000 χ^2/NDF:26120611.7/33

All: 0.008+/-0.000 χ^2/NDF: 50601044.3/63

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.972+/-0.000 χ^2/NDF:1875710604.7/14

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.894+/-0.000 χ^2/NDF:1782963905.5/13

Left: 0.932+/-0.000 χ^2/NDF: 3661888736.6/28

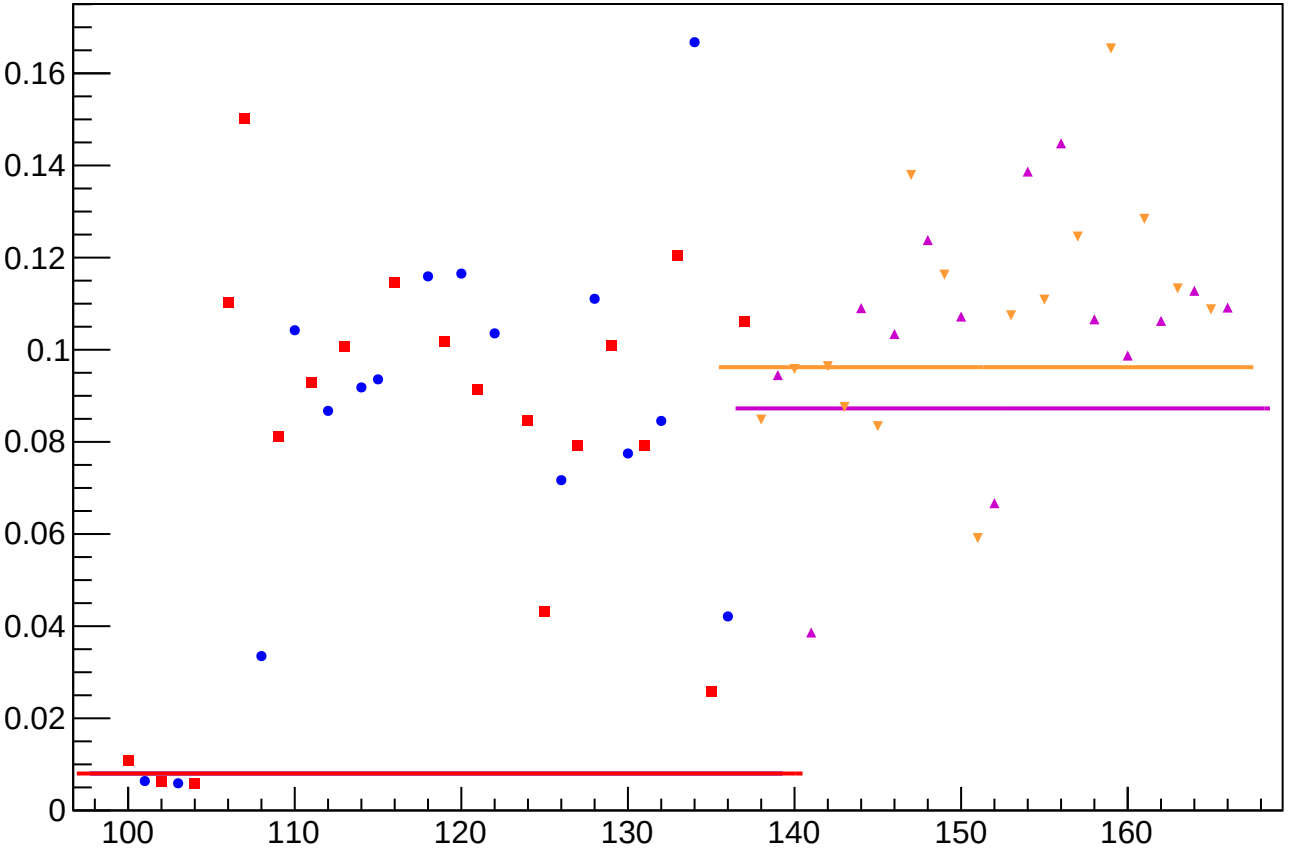
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.180+/-0.000 χ^2/NDF:10679481214.3/29

Out: 3.214+/-0.000 χ^2/NDF:10561253552.8/33

All: 3.196+/-0.000 χ^2/NDF: 21257955254.1/6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1235687.1/14

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.087+/-0.000 χ^2/NDF:2242713.6/13

Left: 0.092+/-0.000 χ^2/NDF: 3563764.6/28

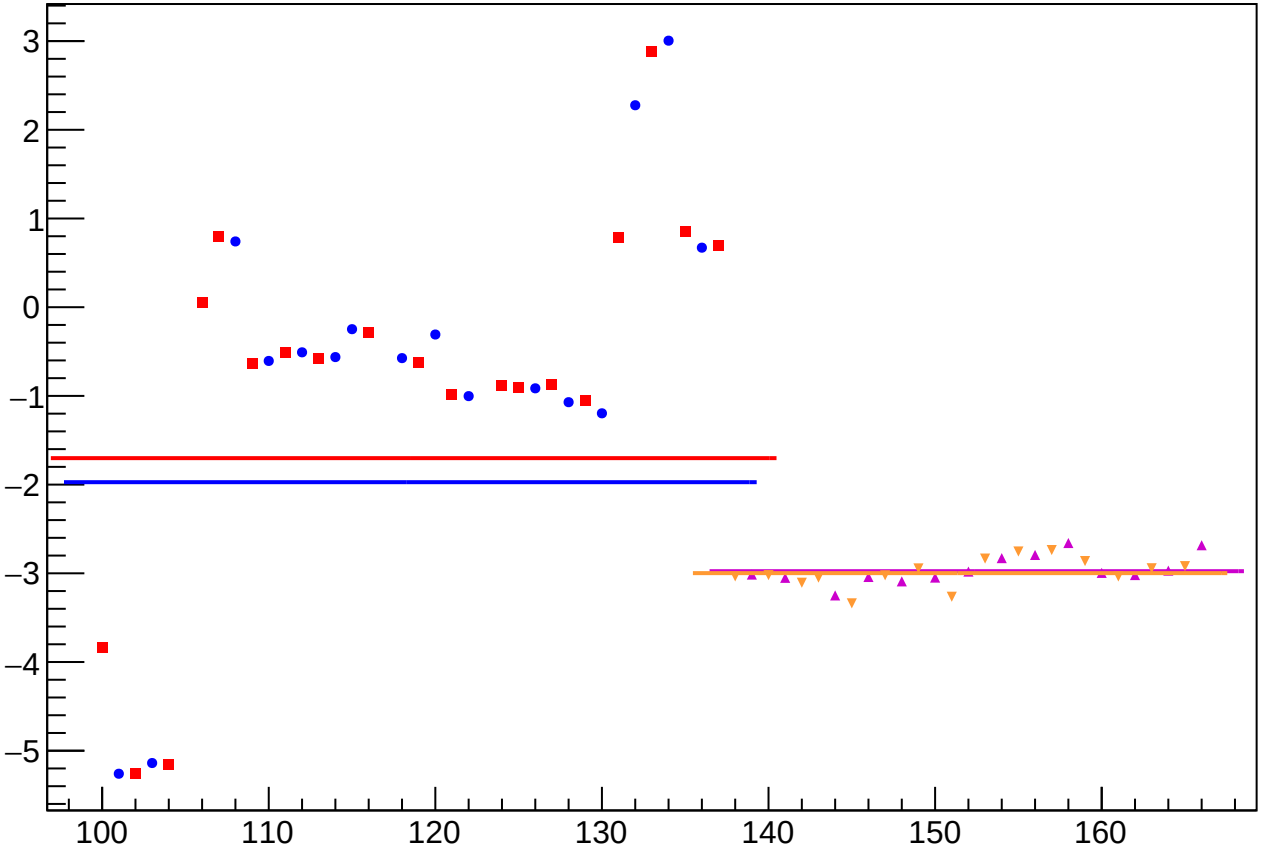
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:23860348.4/29

Out: 0.011+/-0.000 χ^2/NDF:25478991.8/33

All: 0.011+/-0.000 χ^2/NDF: 49343254.6/63

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.998+/-0.000 χ^2/NDF:4302163489.8/14

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.976+/-0.000 χ^2/NDF:3859471656.1/13

Left: -2.987+/-0.000 χ^2/NDF: 8200012352.0/28

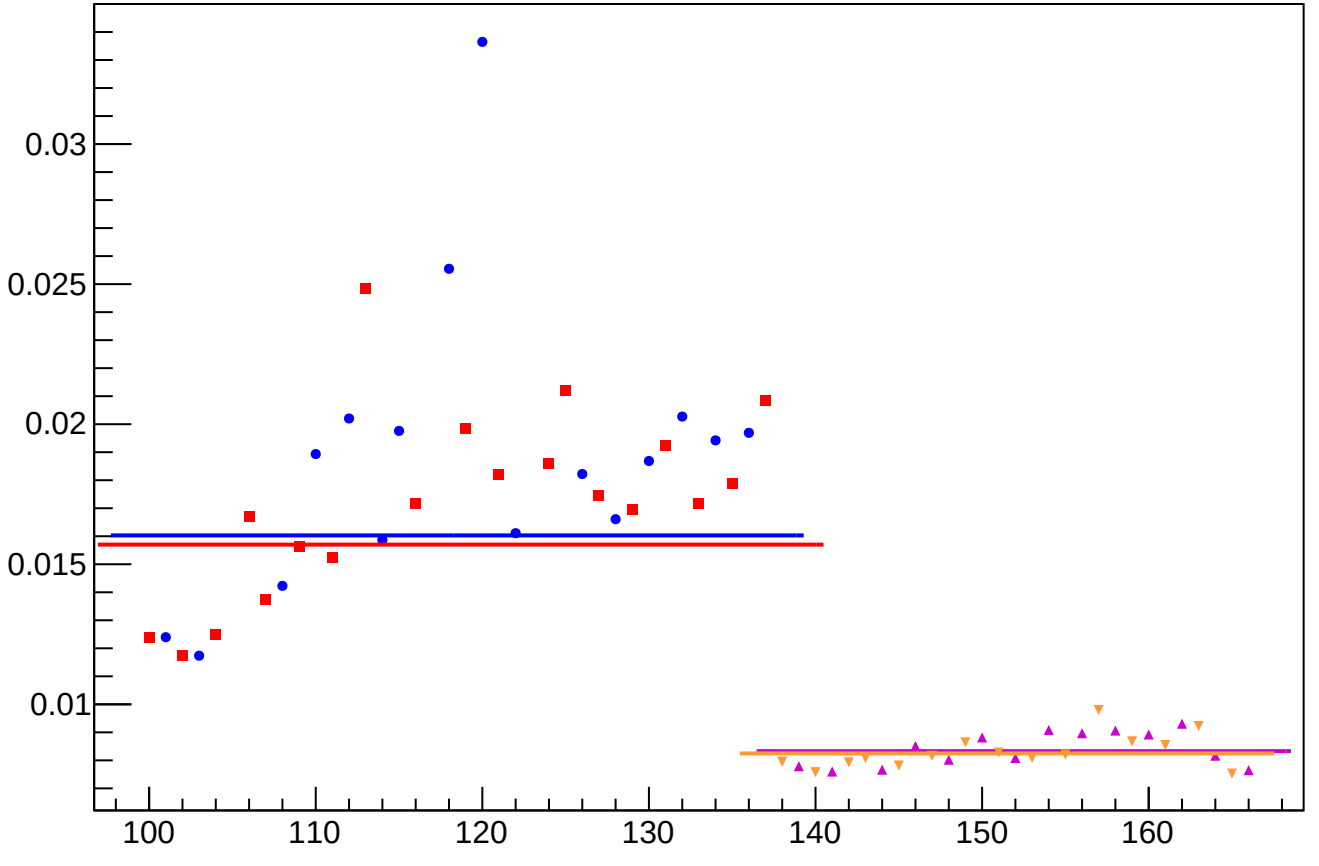
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.849+/-0.000 χ^2/NDF:185759582944.4/29

Out: -2.821+/-0.000 χ^2/NDF:209943291620.7/33

All: -2.835+/-0.000 χ^2/NDF: 395776571953.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:97468.6/14

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:108867.9/13

Left: 0.008+/-0.000 χ^2/NDF: 207424.1/28

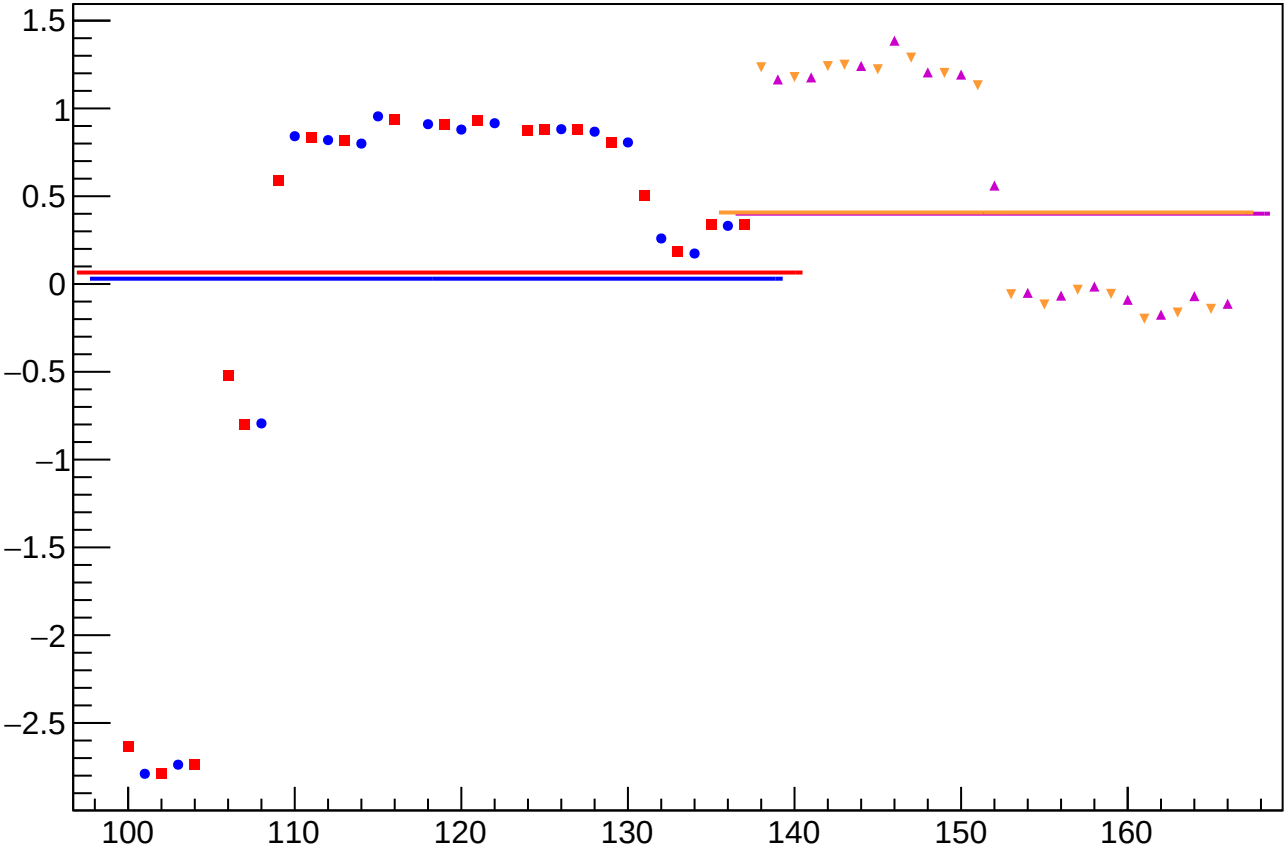
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3191971.7/29

Out: 0.009+/-0.000 χ^2/NDF:3081063.4/33

All: 0.009+/-0.000 χ^2/NDF: 6273299.5/63

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.407+/-0.000 χ^2/NDF:86689705516.2/14

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.401+/-0.000 χ^2/NDF:72101676083.9/13

Left: 0.404+/-0.000 χ^2/NDF: 158796048301.6/28

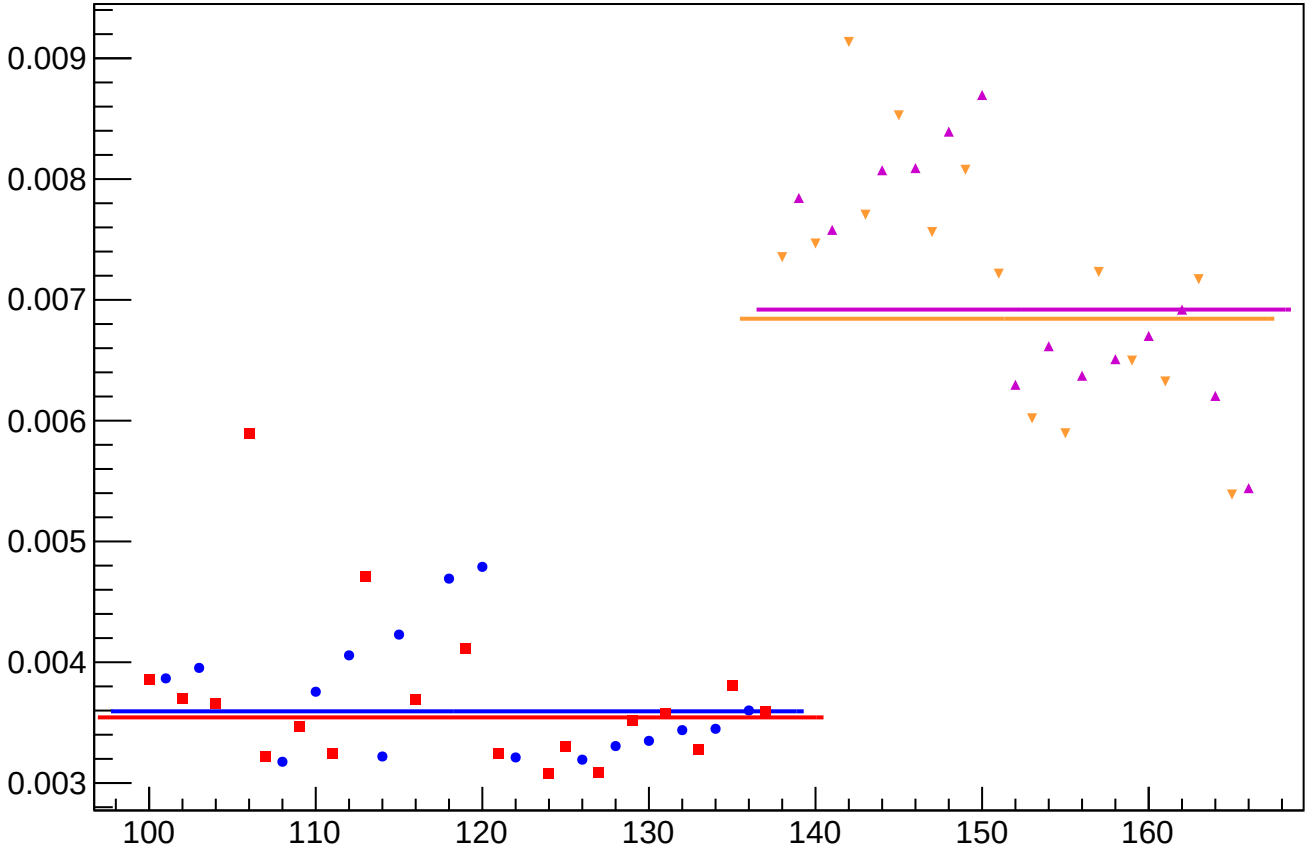
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.133+/-0.000 χ^2/NDF:943547507158.4/29

Out: 0.157+/-0.000 χ^2/NDF:1039768578278.2/33

All: 0.145+/-0.000 χ^2/NDF: 1983540154901.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:343477.6/14

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:323873.1/13

Left: 0.007+/-0.000 χ^2/NDF: 668512.1/28

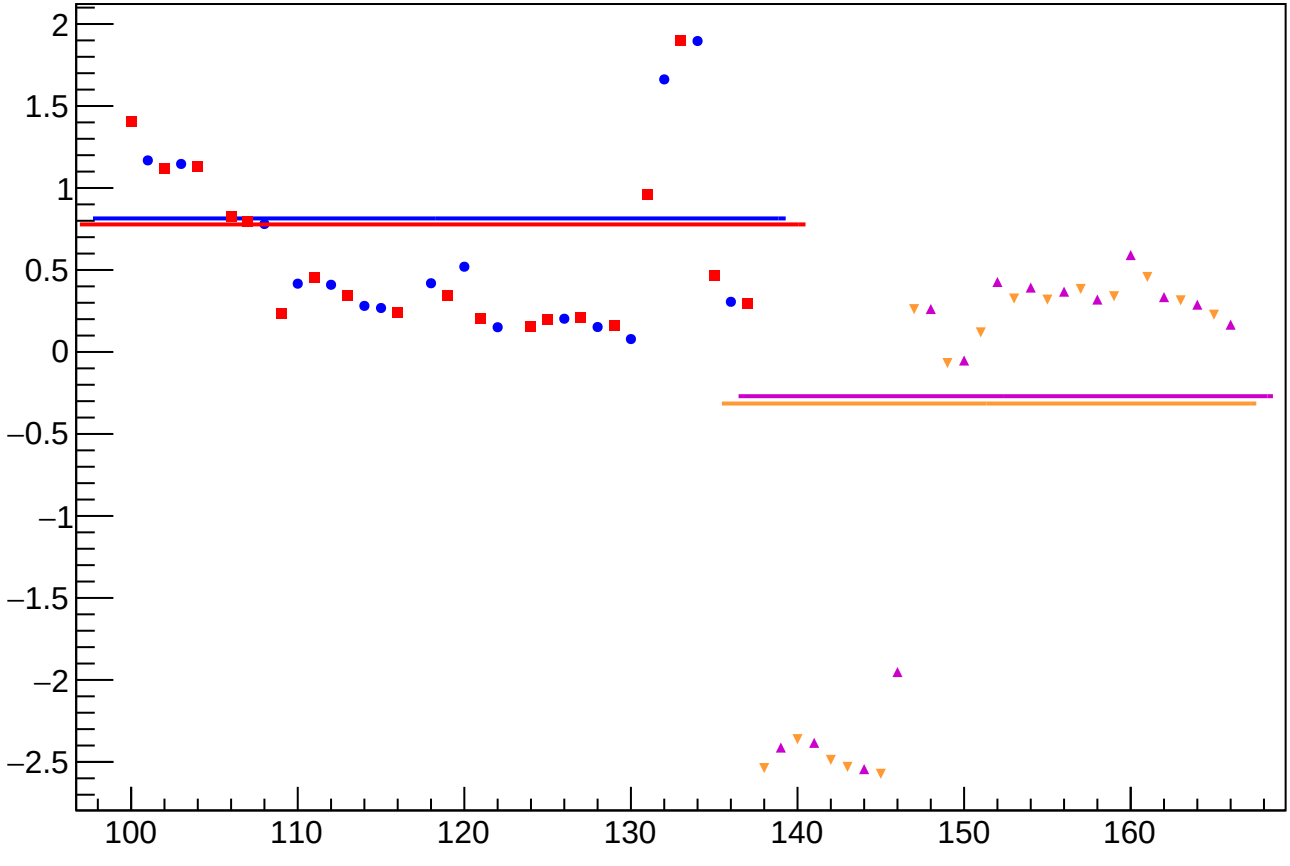
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3693597.1/29

Out: 0.004+/-0.000 χ^2/NDF:3846272.2/33

All: 0.004+/-0.000 χ^2/NDF: 7545006.4/63

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.314+/-0.000 χ^2/NDF:354216844764.3/14

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.270+/-0.000 χ^2/NDF:319558655874.6/13

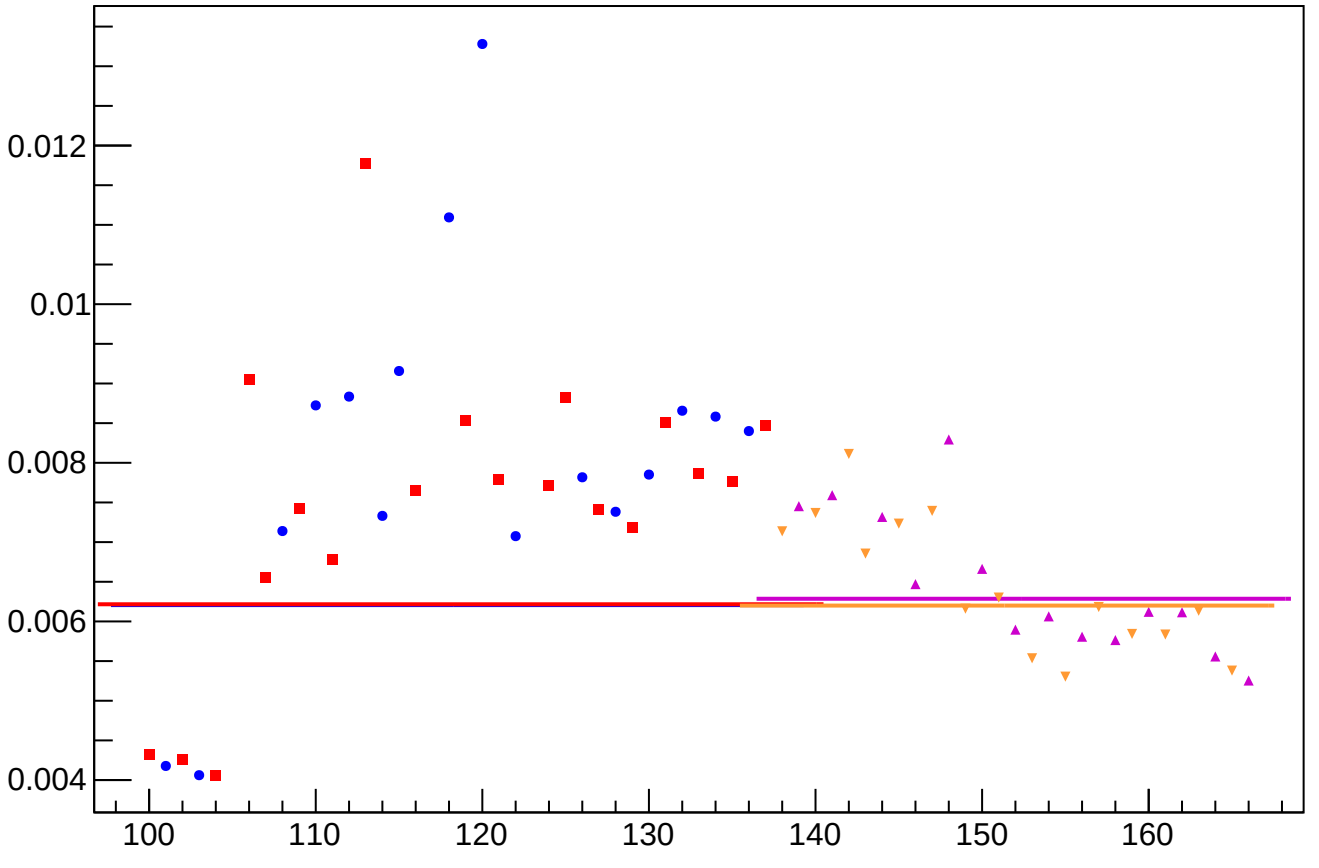
Left: -0.292+/-0.000 χ^2/NDF: 674041558571.7/28

Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.116+/-0.000 χ^2/NDF:464222643315.4/29

Out: 0.084+/-0.000 χ^2/NDF:506708640066.3/33

All: 0.099+/-0.000 χ^2/NDF: 971149712891.1



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:283932.7/14

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:304657.0/13

Left: 0.006+/-0.000 χ^2/NDF: 590554.3/28

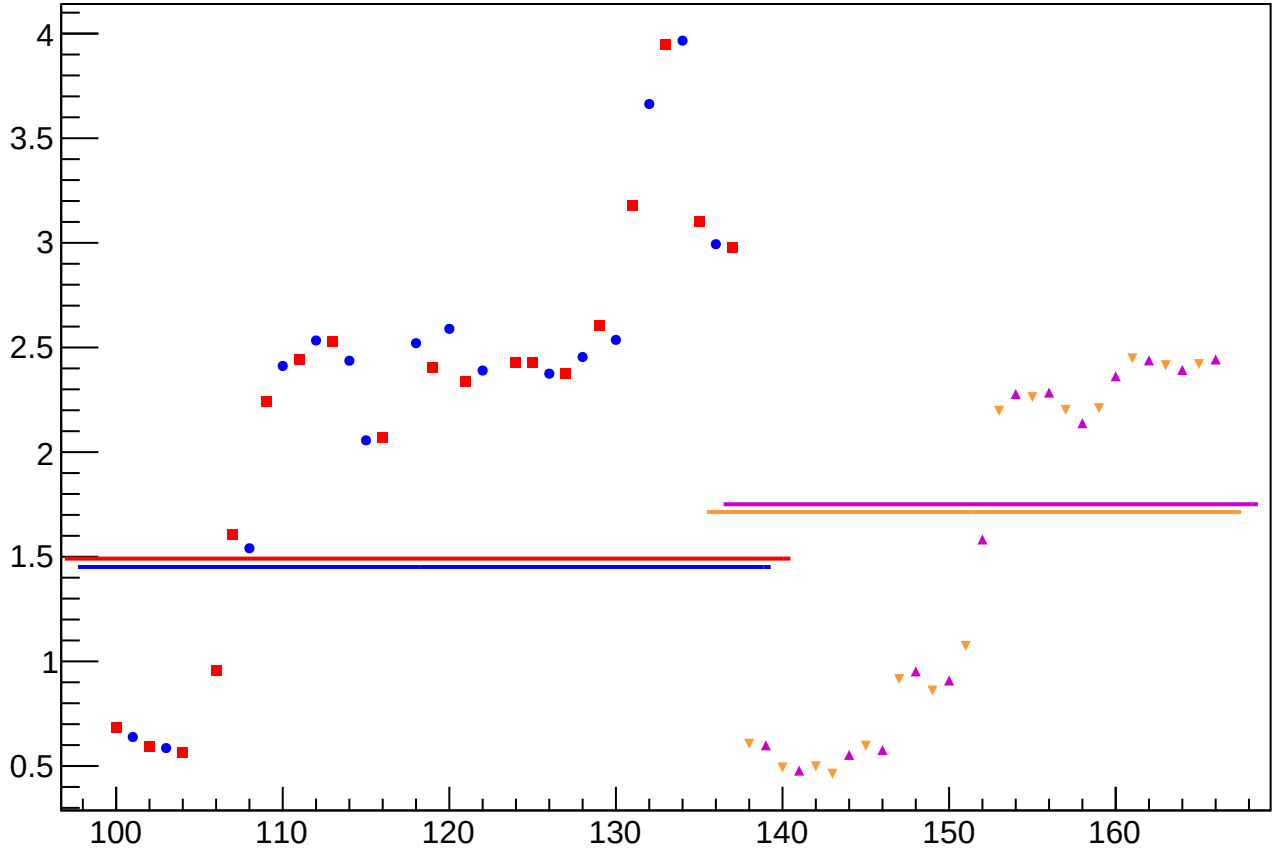
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1729727.0/29

Out: 0.006+/-0.000 χ^2/NDF:1445104.0/33

All: 0.006+/-0.000 χ^2/NDF: 3175935.4/63

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.714+/-0.000 χ^2/NDF:172468381376.6/14

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.751+/-0.000 χ^2/NDF:154351748342.5/13

Left: 1.732+/-0.000 χ^2/NDF: 327003776797.4/28

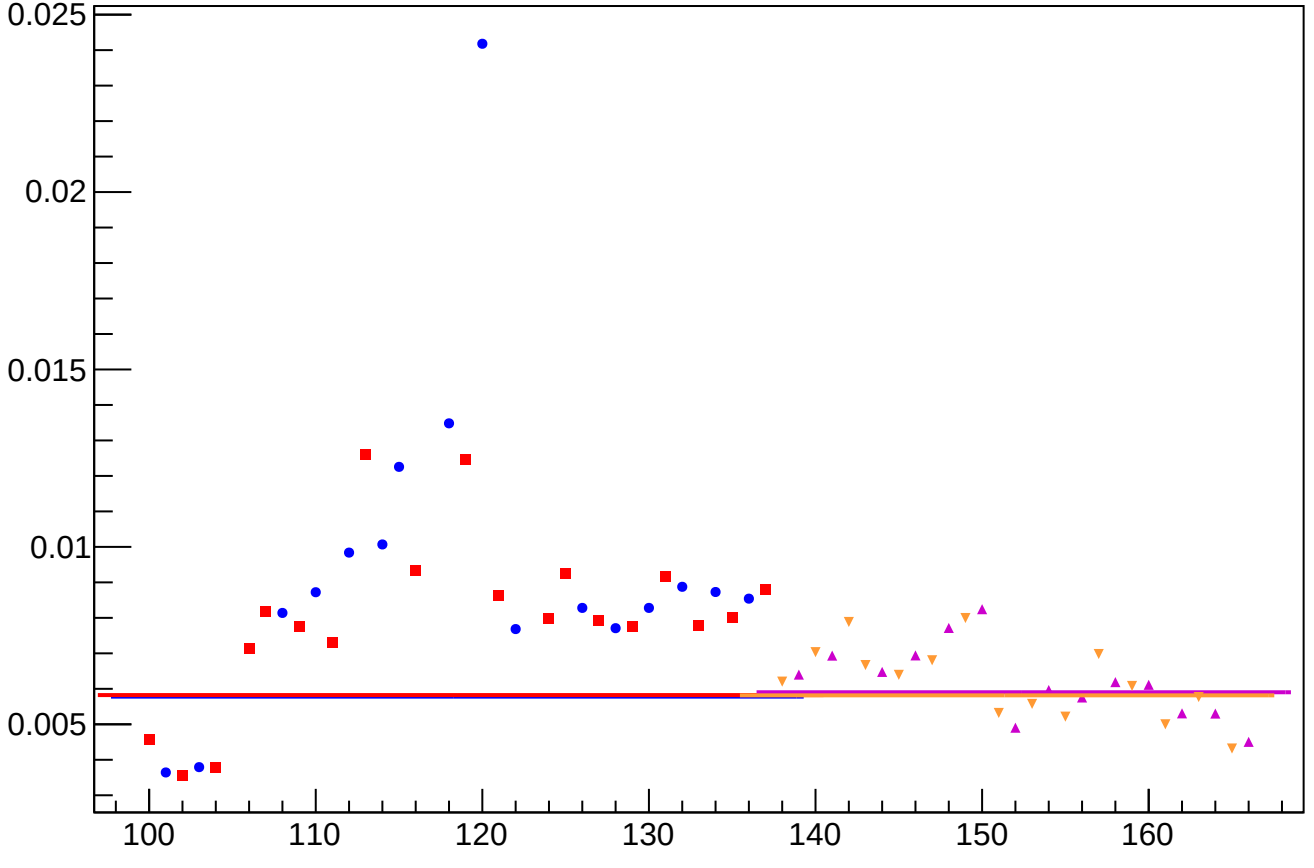
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.642+/-0.000 χ^2/NDF:332588879389.4/29

Out: 1.632+/-0.000 χ^2/NDF:364472218703.1/33

All: 1.637+/-0.000 χ^2/NDF: 697084939843.3

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:485966.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:464691.3/13

Left: 0.006+/-0.000 χ^2/NDF: 952695.2/28

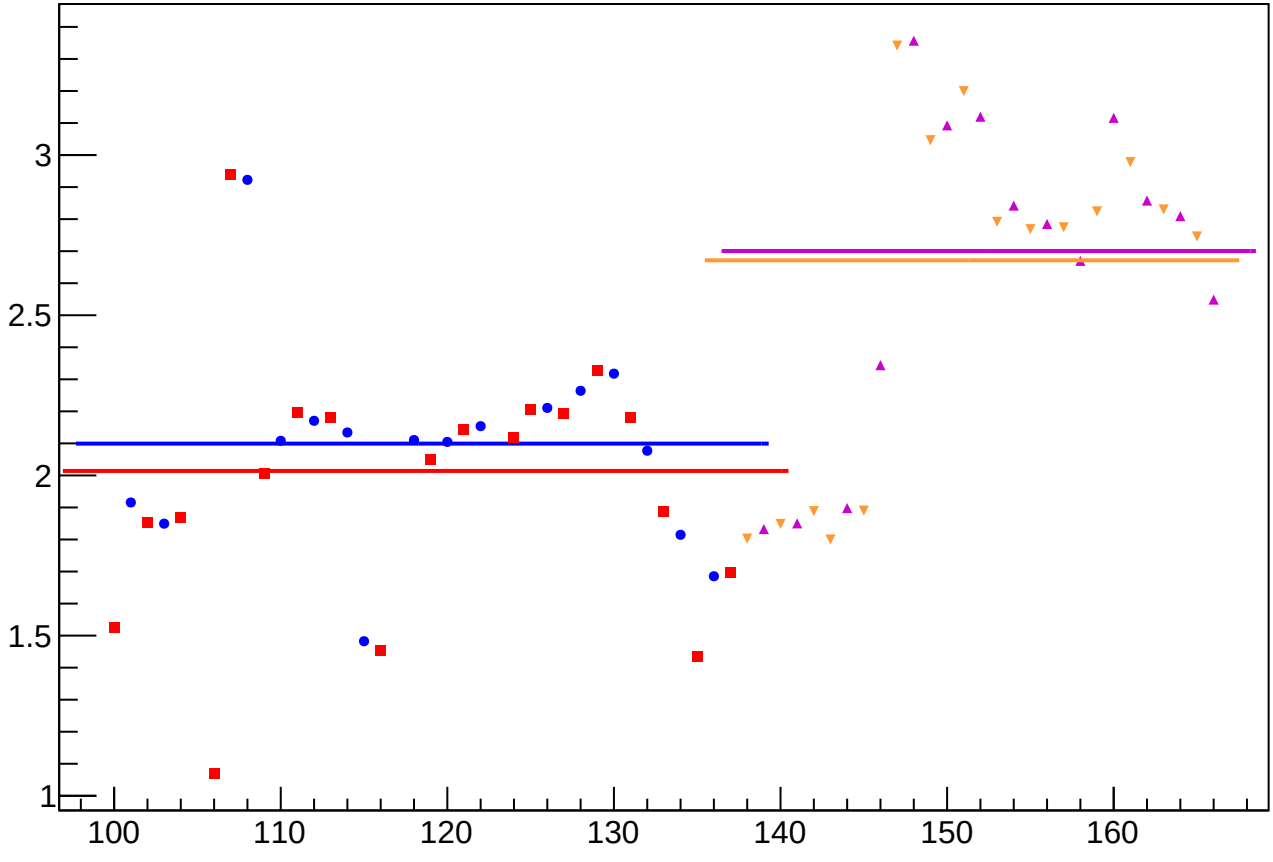
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2681452.9/29

Out: 0.006+/-0.000 χ^2/NDF:2441729.1/33

All: 0.006+/-0.000 χ^2/NDF: 5123852.7/63

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.671+/-0.000 χ^2/NDF:42891644822.9/14

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.700+/-0.000 χ^2/NDF:36455180508.2/13

Left: 2.686+/-0.000 χ^2/NDF: 79419661092.3/28

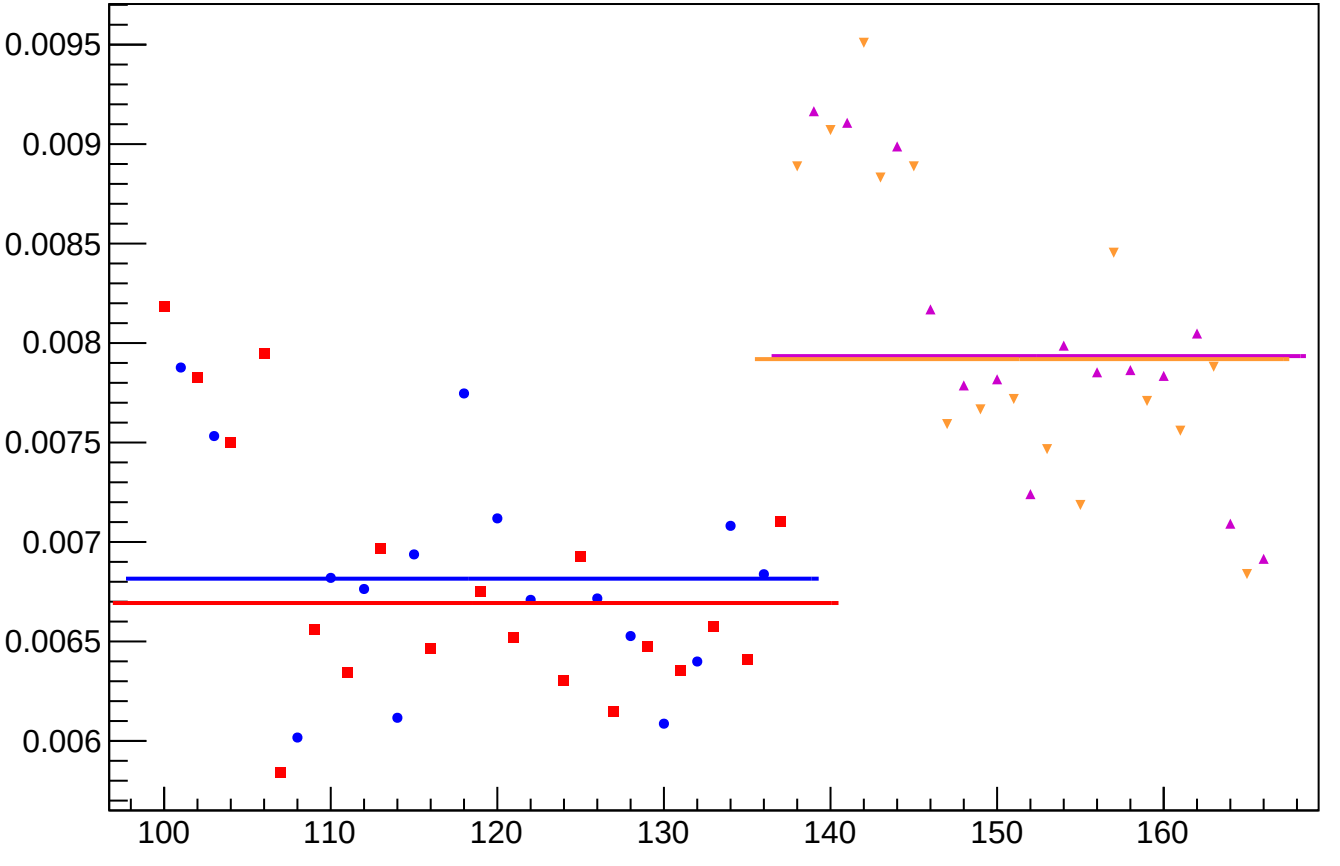
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.424+/-0.000 χ^2/NDF:79035836708.6/29

Out: 2.358+/-0.000 χ^2/NDF:98537477689.6/33

All: 2.390+/-0.000 χ^2/NDF: 178281053781.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:165858.2/14

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:138735.9/13

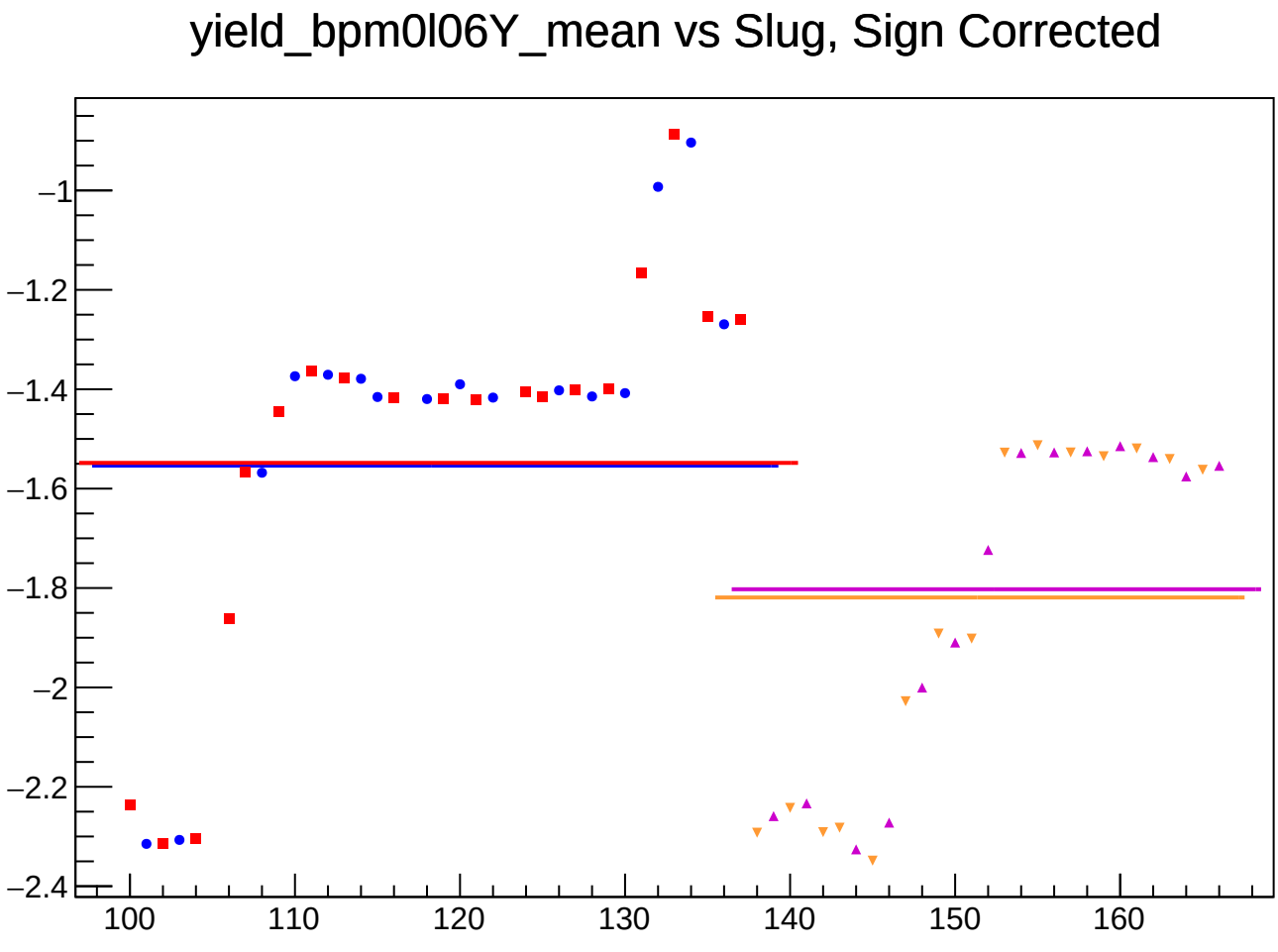
Left: 0.008+/-0.000 χ^2/NDF: 304634.0/28

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:424013.7/29

Out: 0.007+/-0.000 χ^2/NDF:504292.7/33

All: 0.007+/-0.000 χ^2/NDF: 930657.9/63



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.819+/-0.000 χ^2/NDF:123242623331.4/14

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.802+/-0.000 χ^2/NDF:114134787941.6/13

Left: -1.811+/-0.000 χ^2/NDF: 237531245760.0/28

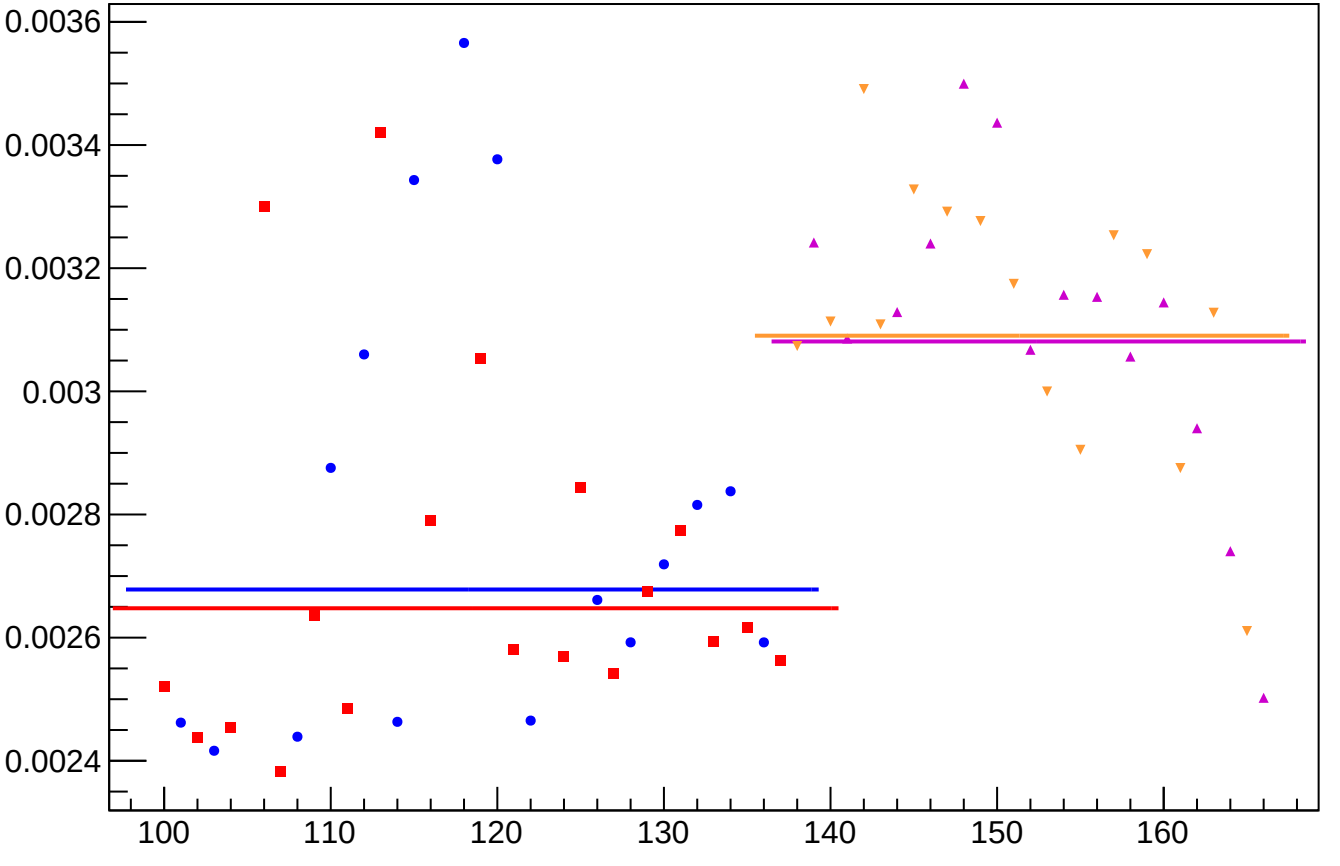
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.689+/-0.000 χ^2/NDF:320852582292.9/29

Out: -1.692+/-0.000 χ^2/NDF:336845186551.0/33

All: -1.690+/-0.000 χ^2/NDF: 657704376336.0

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:93107.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:132308.5/13

Left: 0.003+/-0.000 χ^2/NDF: 225514.7/28

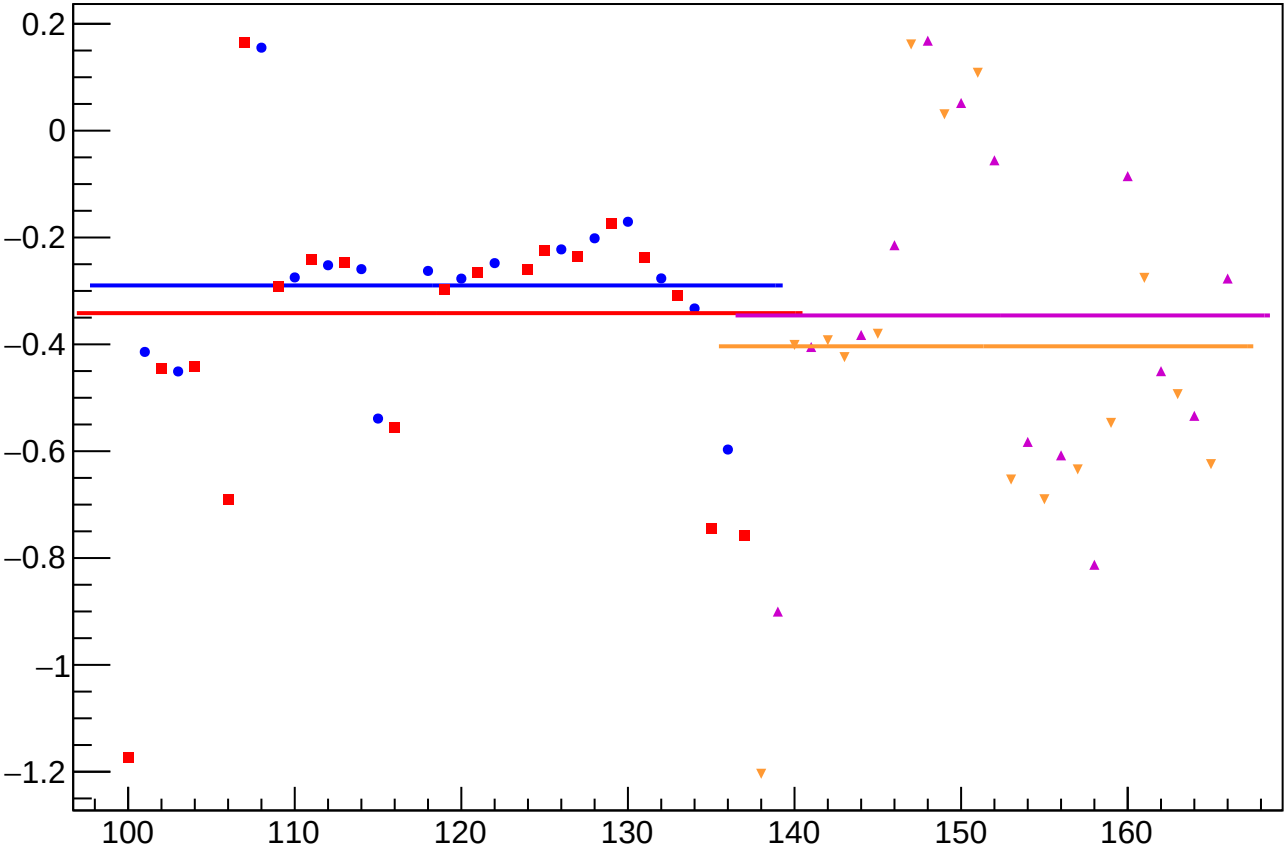
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:455478.5/29

Out: 0.003+/-0.000 χ^2/NDF:416876.2/33

All: 0.003+/-0.000 χ^2/NDF: 872847.9/63

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.404+/-0.000 χ^2/NDF:7262431346.6/14

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.346+/-0.000 χ^2/NDF:5845480964.6/13

Left: -0.375+/-0.000 χ^2/NDF: 13211633926.2/28

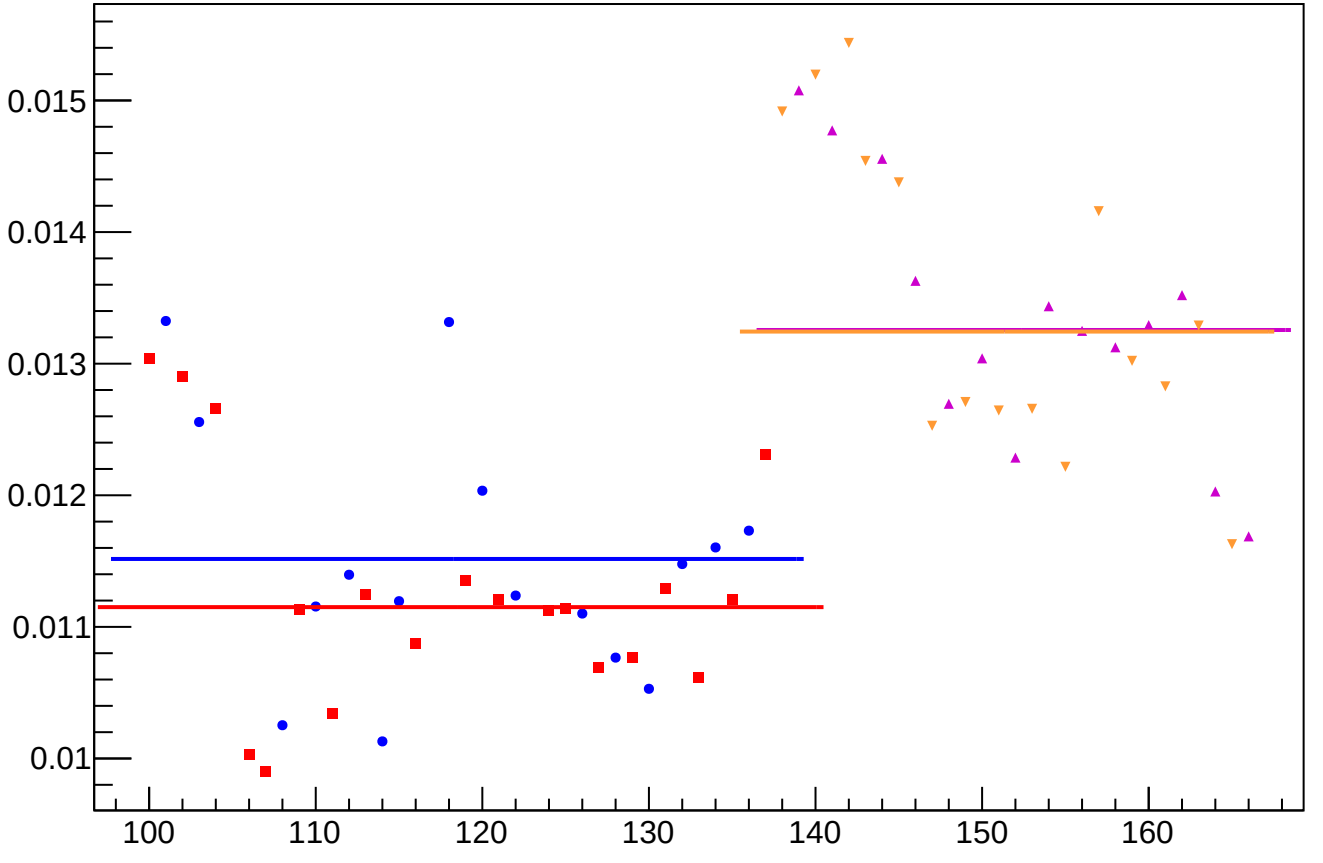
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.320+/-0.000 χ^2/NDF:7579686389.4/29

Out: -0.374+/-0.000 χ^2/NDF:9988270955.0/33

All: -0.348+/-0.000 χ^2/NDF: 17736605320.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:137804.2/14

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:101926.1/13

Left: 0.013+/-0.000 χ^2/NDF: 239739.2/28

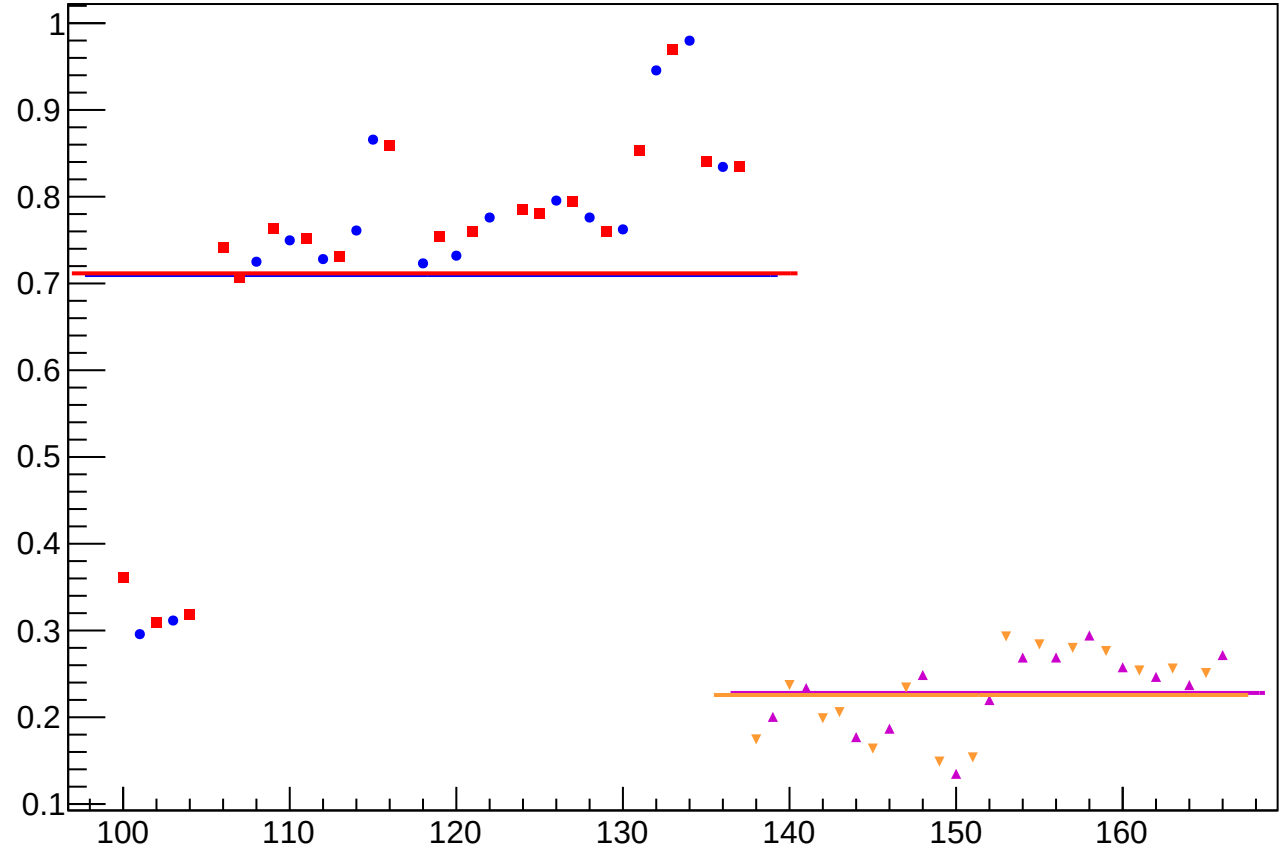
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:357034.0/29

Out: 0.012+/-0.000 χ^2/NDF:473599.9/33

All: 0.012+/-0.000 χ^2/NDF: 836430.8/63

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.226+/-0.000 χ^2/NDF:5585895936.5/14

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.228+/-0.000 χ^2/NDF:4497395835.0/13

Left: 0.227+/-0.000 χ^2/NDF: 10089973763.7/28

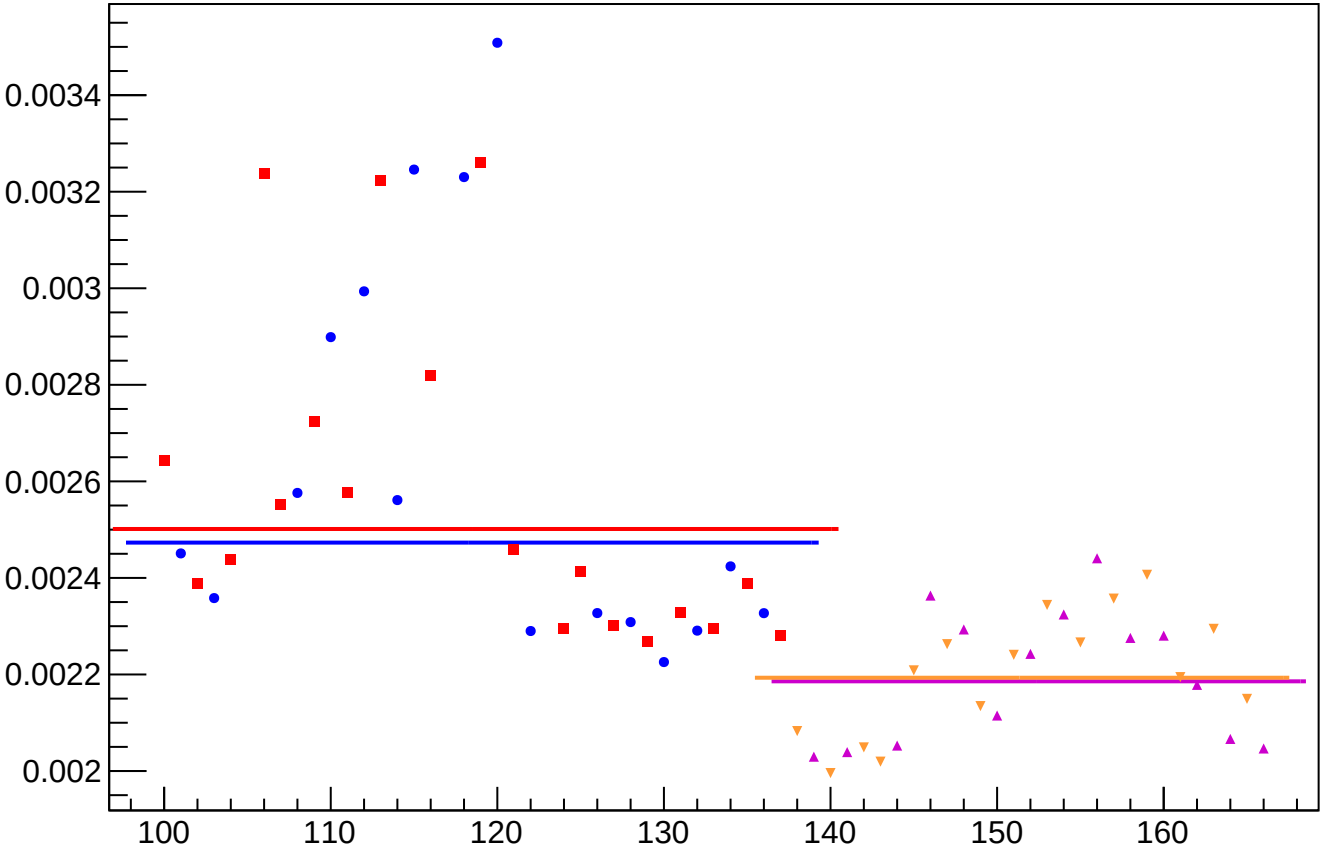
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.382+/-0.000 χ^2/NDF:229594781400.8/29

Out: 0.380+/-0.000 χ^2/NDF:231040073148.0/33

All: 0.381+/-0.000 χ^2/NDF: 460640247521.6

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:74137.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:82020.8/13

Left: 0.002+/-0.000 χ^2/NDF: 156291.7/28

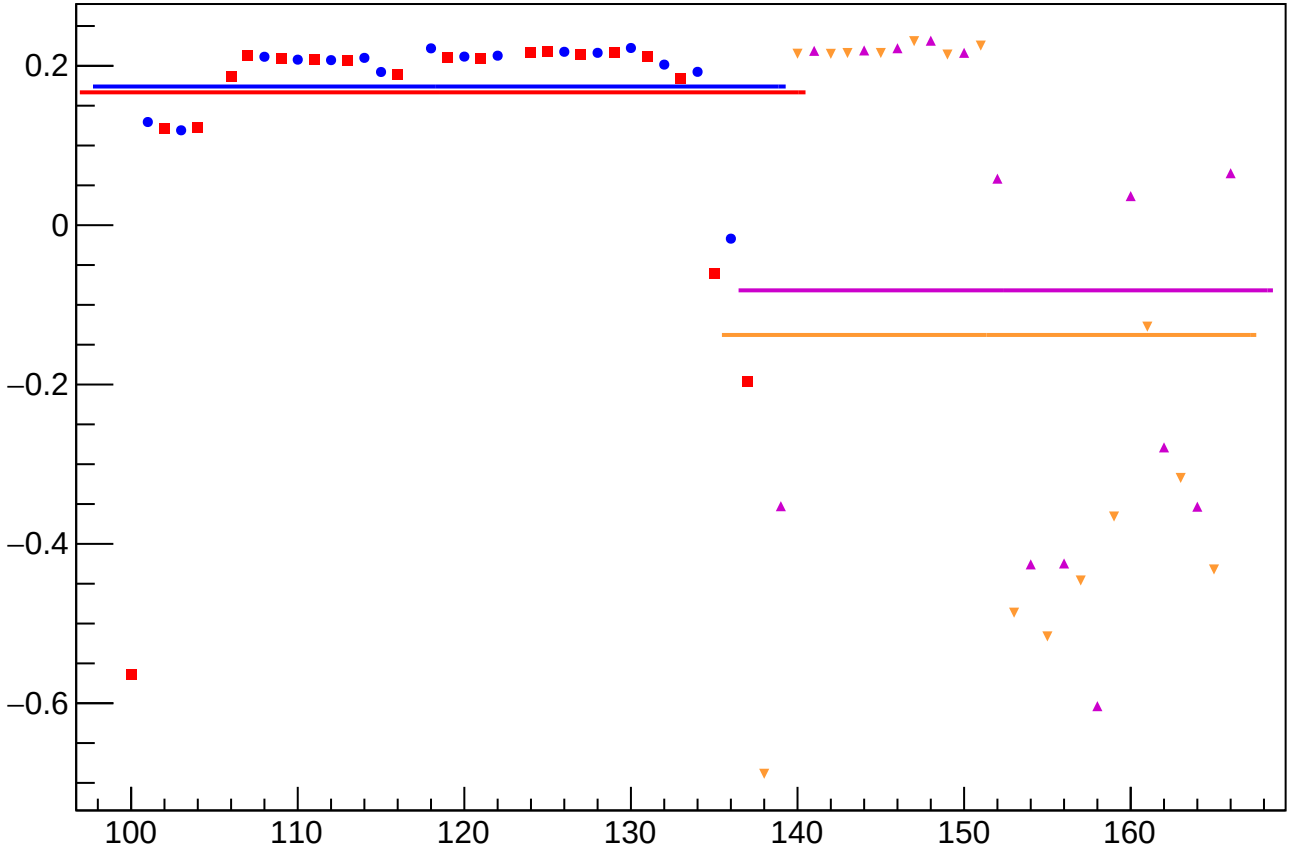
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:415464.0/29

Out: 0.002+/-0.000 χ^2/NDF:397290.7/33

All: 0.002+/-0.000 χ^2/NDF: 813405.1/63

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.138+/-0.000 χ^2/NDF:8486480811.6/14

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.082+/-0.000 χ^2/NDF:6604553282.7/13

Left: -0.110+/-0.000 χ^2/NDF: 15210093049.6/28

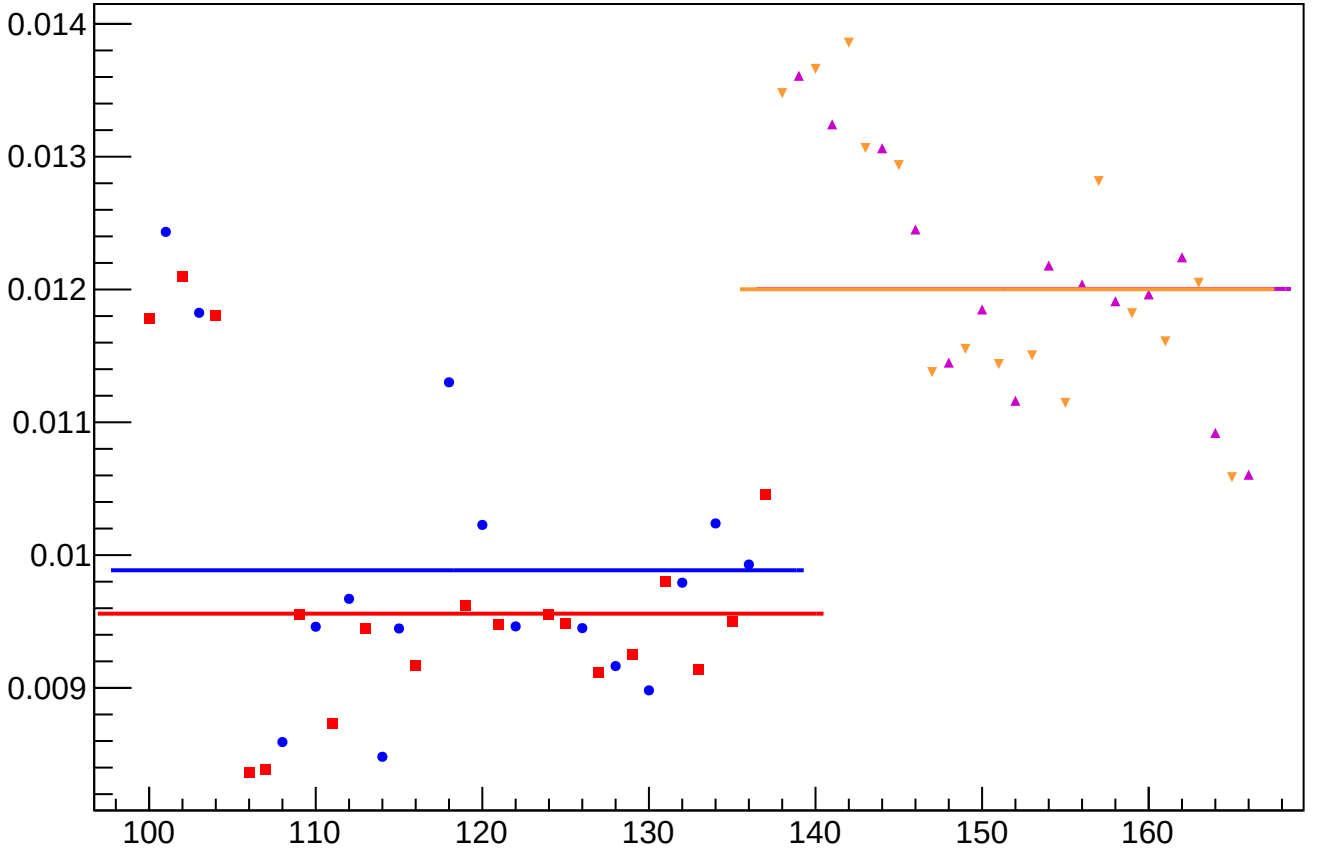
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.042+/-0.000 χ^2/NDF:9382916218.3/29

Out: 0.016+/-0.000 χ^2/NDF:12986708905.6/33

All: 0.029+/-0.000 χ^2/NDF: 22417549405.5/6

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:124647.7/14

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:94868.8/13

Left: 0.012+/-0.000 χ^2/NDF: 219516.9/28

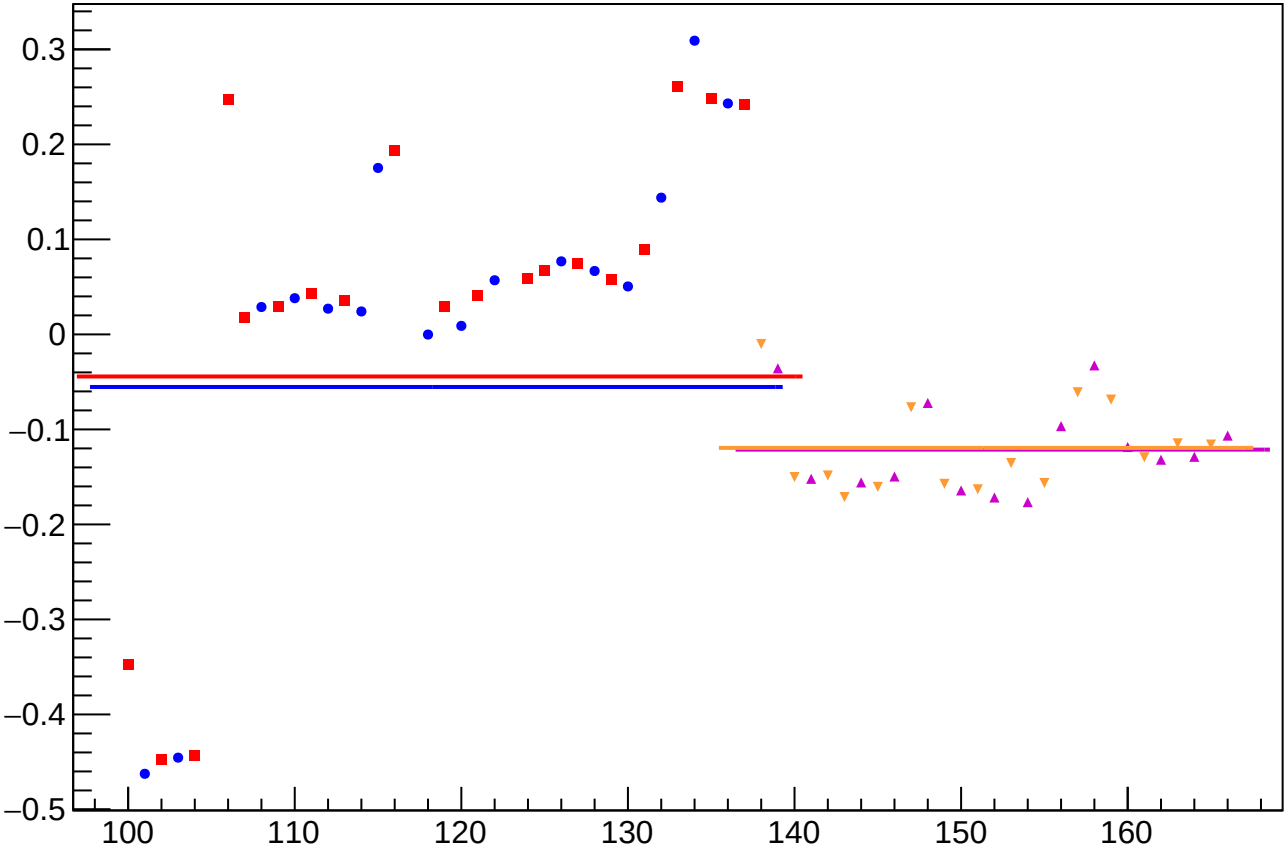
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:569314.0/29

Out: 0.011+/-0.000 χ^2/NDF:724890.4/33

All: 0.011+/-0.000 χ^2/NDF: 1301284.8/63

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2711965170.8/14

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2758834713.6/13

Left: -0.120+/-0.000 χ^2/NDF: 5472988180.8/28

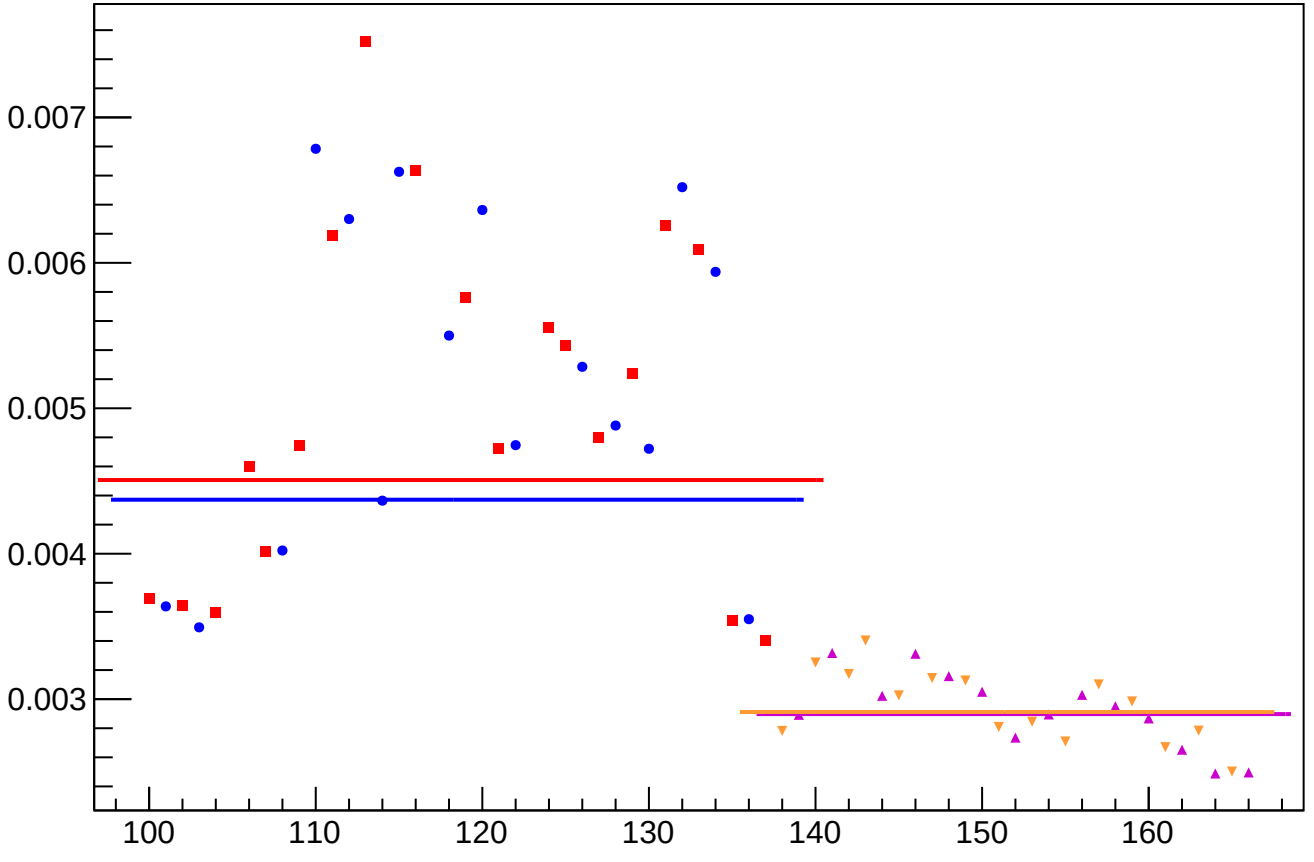
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.108+/-0.000 χ^2/NDF:27954500834.3/29

Out: -0.105+/-0.000 χ^2/NDF:26282011057.3/33

All: -0.107+/-0.000 χ^2/NDF: 54245396099.7/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:141349.9/14

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:151390.6/13

Left: 0.003+/-0.000 χ^2/NDF: 293012.6/28

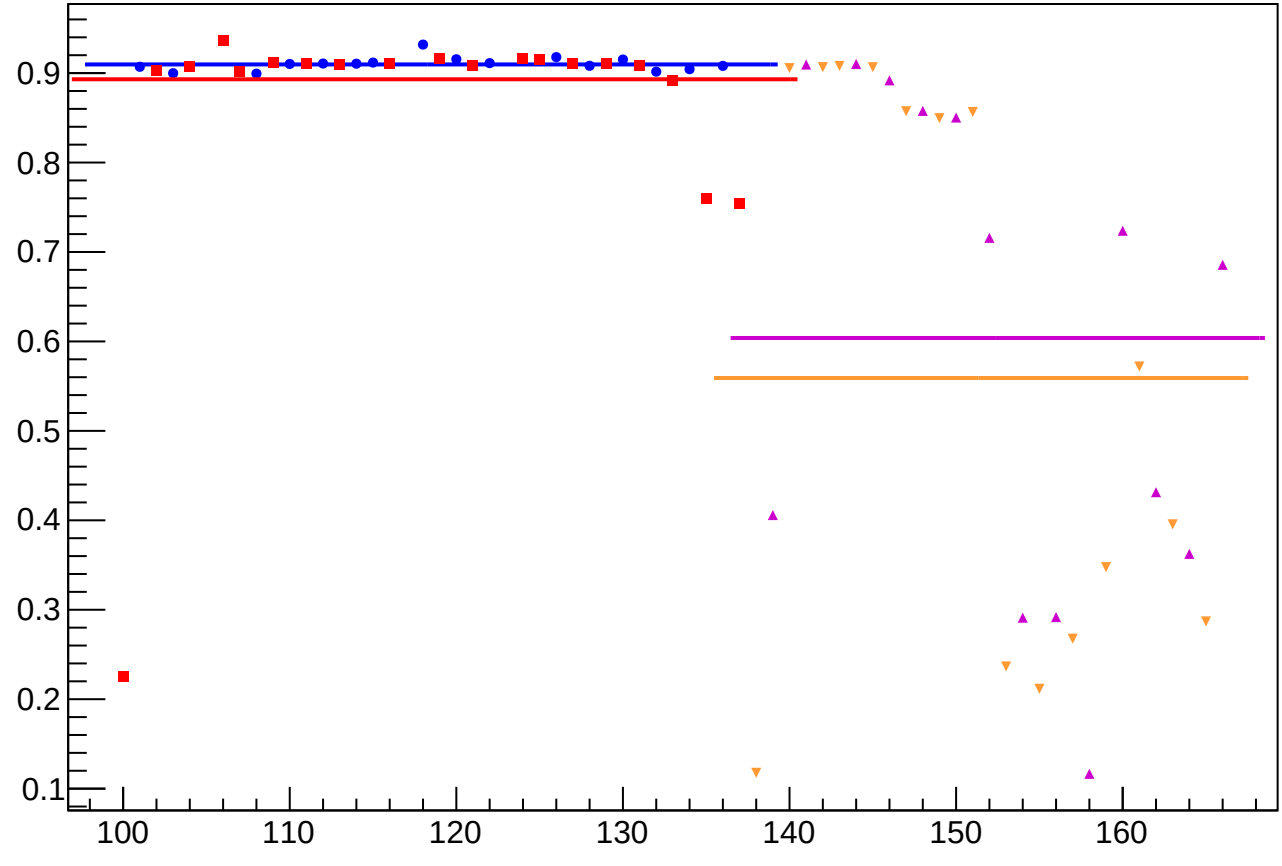
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1924928.2/29

Out: 0.003+/-0.000 χ^2/NDF:2137435.5/33

All: 0.003+/-0.000 χ^2/NDF: 4063927.7/63

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.559+/-0.000 χ^2/NDF:7208754223.4/14

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.604+/-0.000 χ^2/NDF:5739482258.8/13

Left: 0.581+/-0.000 χ^2/NDF: 13028932354.2/28

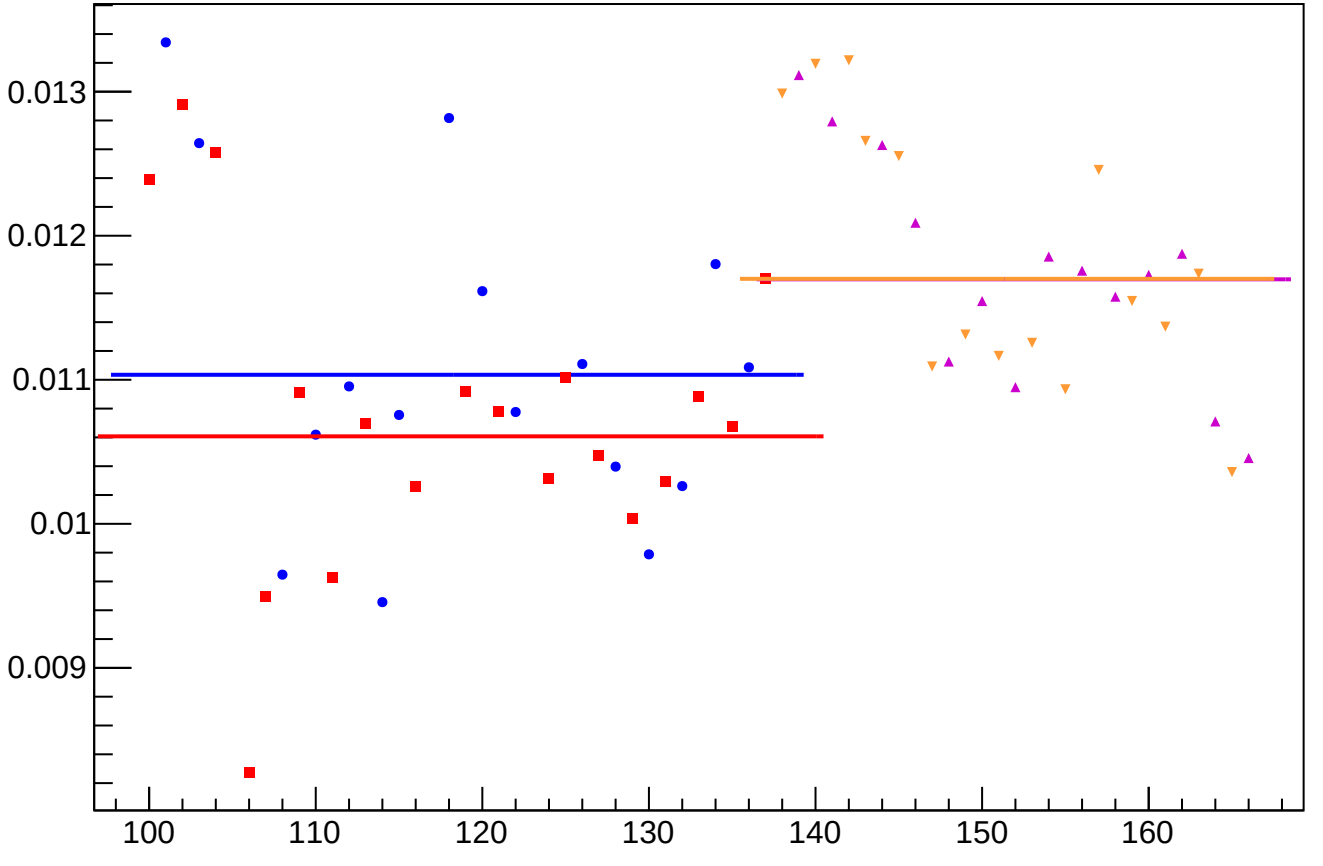
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.731+/-0.000 χ^2/NDF:8832841077.6/29

Out: 0.706+/-0.000 χ^2/NDF:11534111106.8/33

All: 0.718+/-0.000 χ^2/NDF: 20408629776.4/6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:108113.3/14

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:80595.6/13

Left: 0.012+/-0.000 χ^2/NDF: 188709.8/28

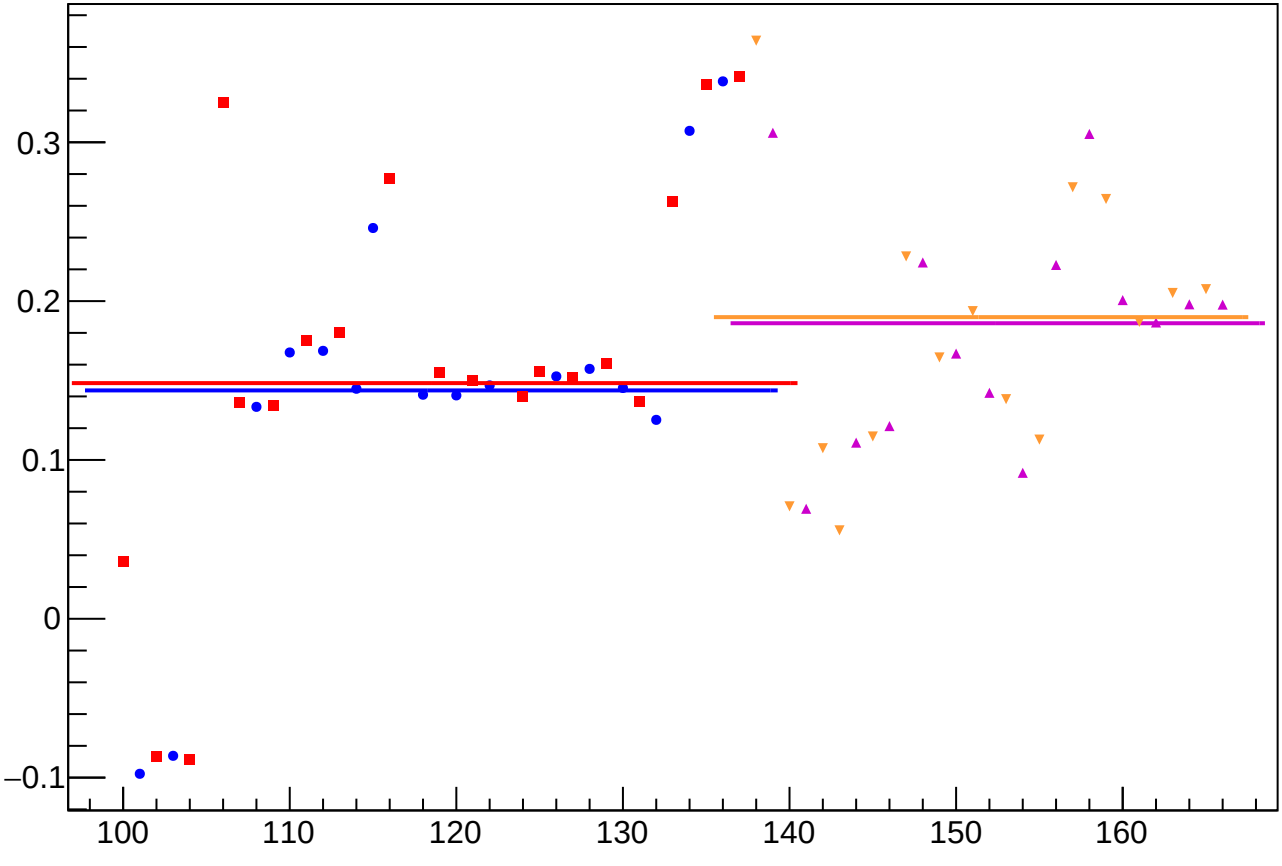
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:239973.4/29

Out: 0.011+/-0.000 χ^2/NDF:337750.2/33

All: 0.011+/-0.000 χ^2/NDF: 583559.2/63

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.190+/-0.000 χ^2/NDF:5900097154.3/14

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.186+/-0.000 χ^2/NDF:4416129286.4/13

Left: 0.188+/-0.000 χ^2/NDF: 10323781455.6/28

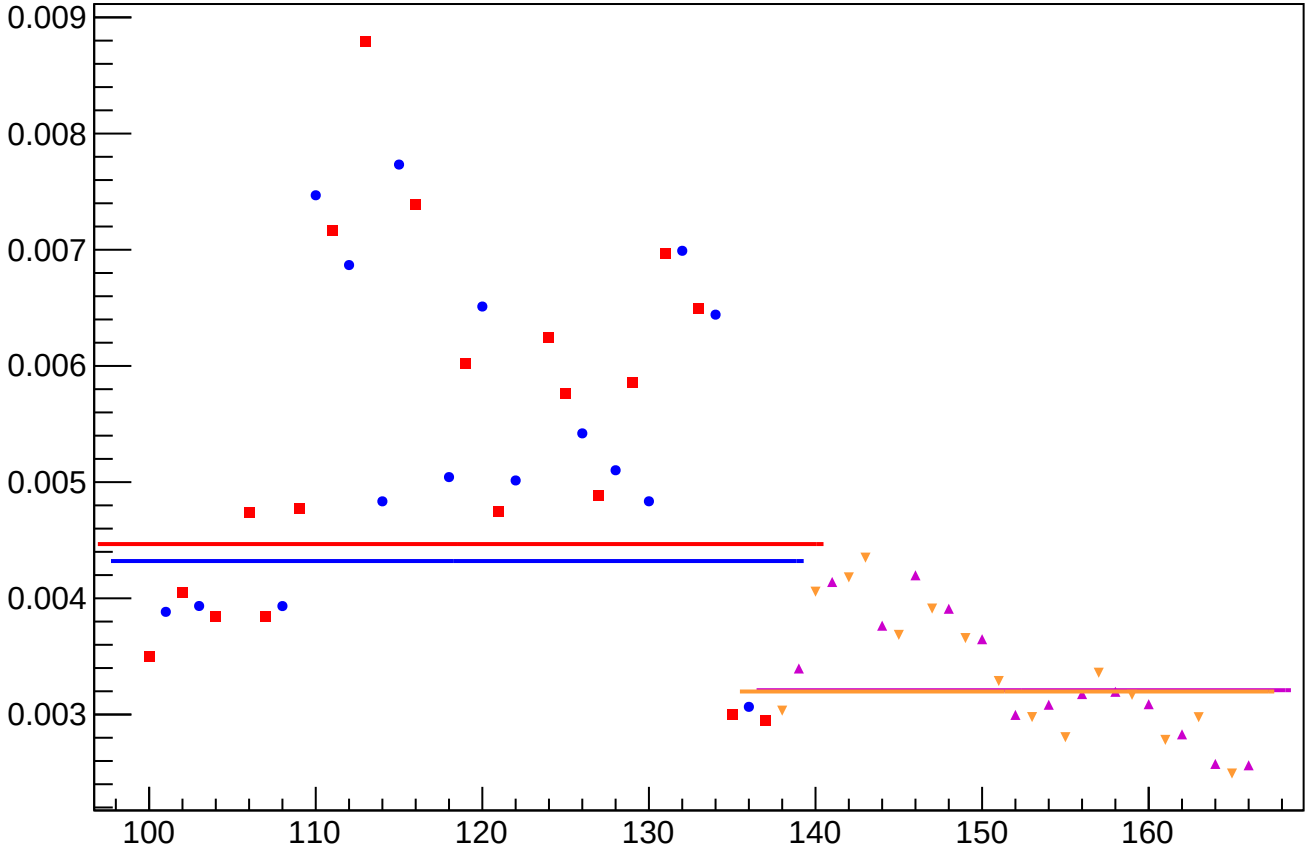
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.176+/-0.000 χ^2/NDF:12704143486.3/29

Out: 0.181+/-0.000 χ^2/NDF:13427708261.6/33

All: 0.178+/-0.000 χ^2/NDF: 26145058910.3/6

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:492772.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:453332.8/13

Left: 0.003+/-0.000 χ^2/NDF: 946235.3/28

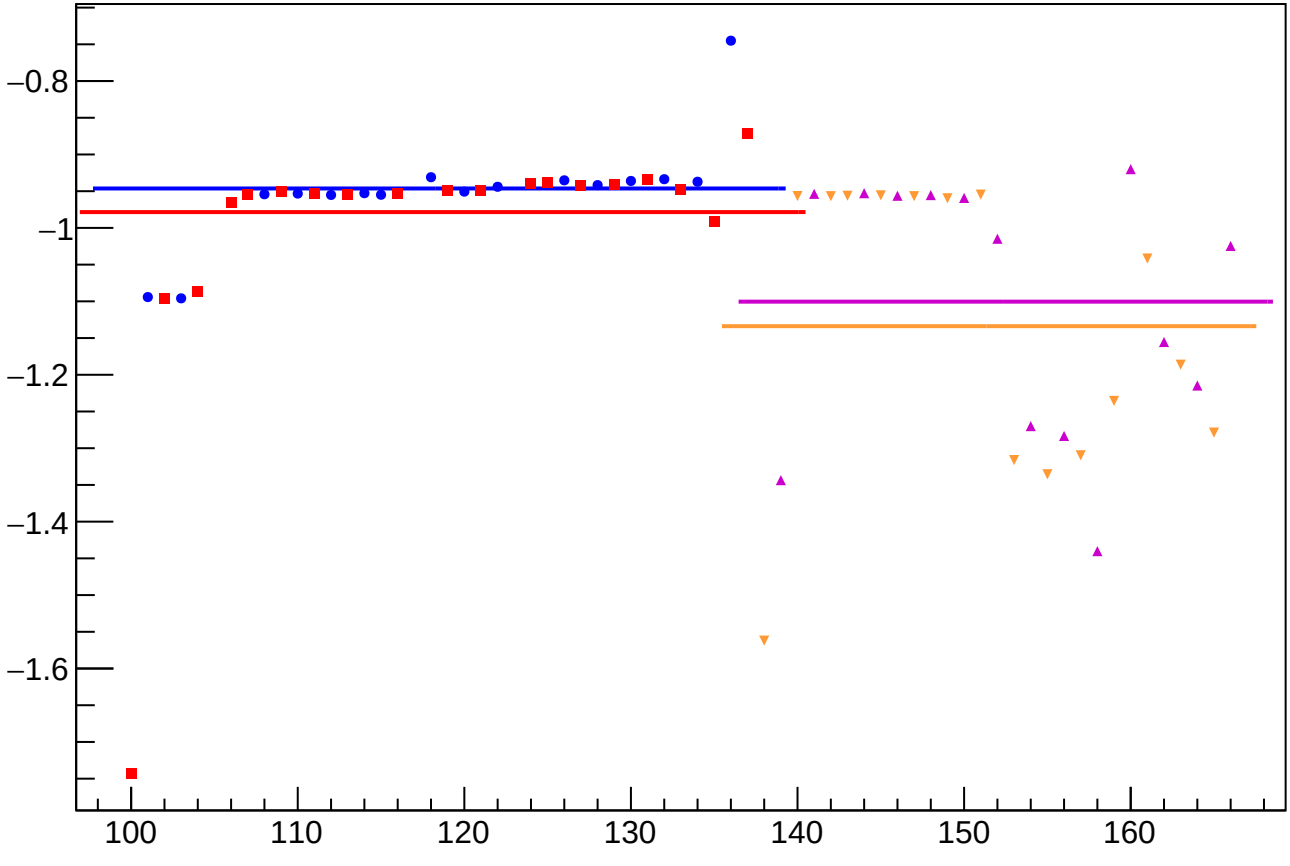
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:1912857.0/29

Out: 0.003+/-0.000 χ^2/NDF:2323471.6/33

All: 0.003+/-0.000 χ^2/NDF: 4236514.0/63

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.134+/-0.000 χ^2/NDF:3536256709.7/14

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.100+/-0.000 χ^2/NDF:2947746475.6/13

Left: -1.117+/-0.000 χ^2/NDF: 6541052601.2/28

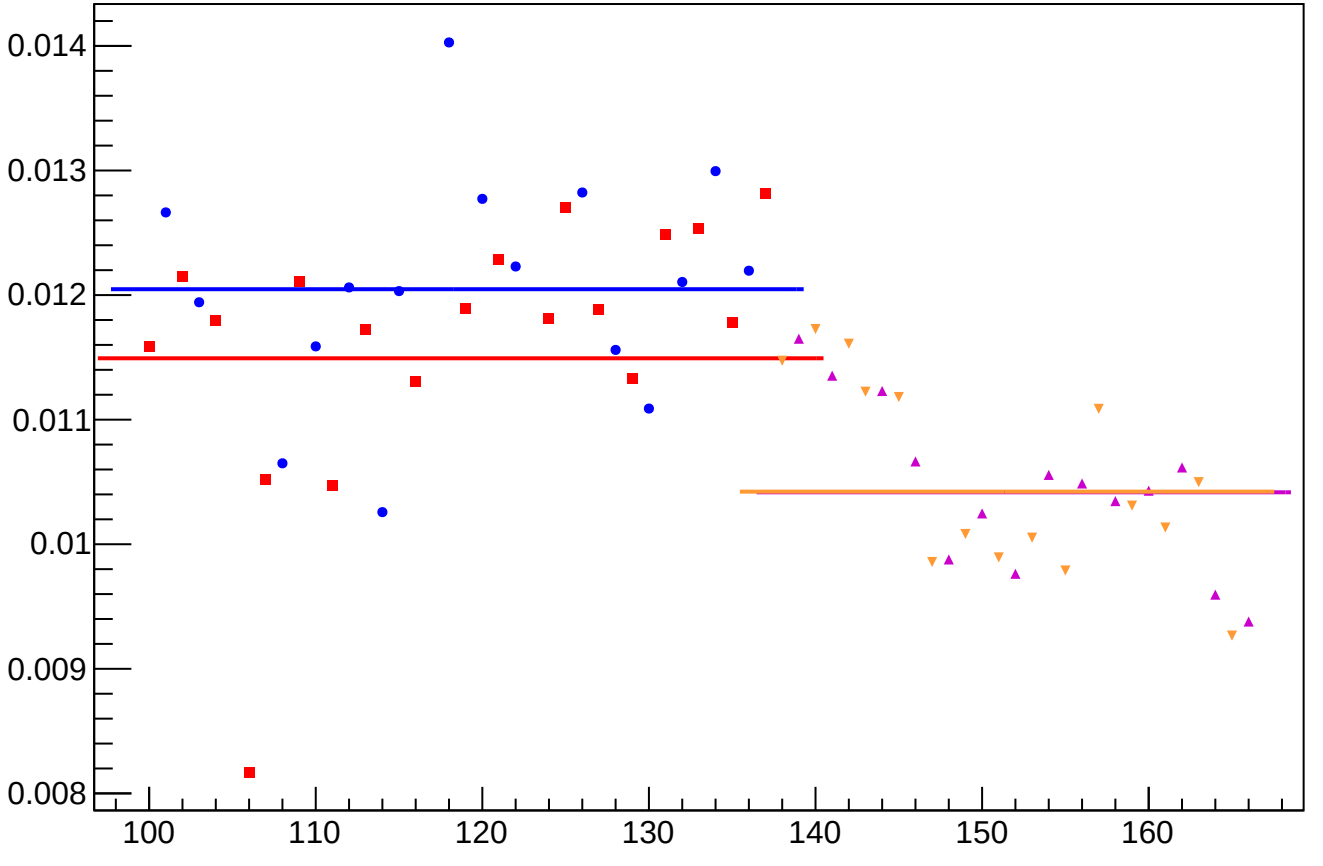
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.051+/-0.000 χ^2/NDF:4118194149.0/29

Out: -1.080+/-0.000 χ^2/NDF:4855278809.6/33

All: -1.066+/-0.000 χ^2/NDF: 9037682951.5/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:101070.5/14

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:75320.6/13

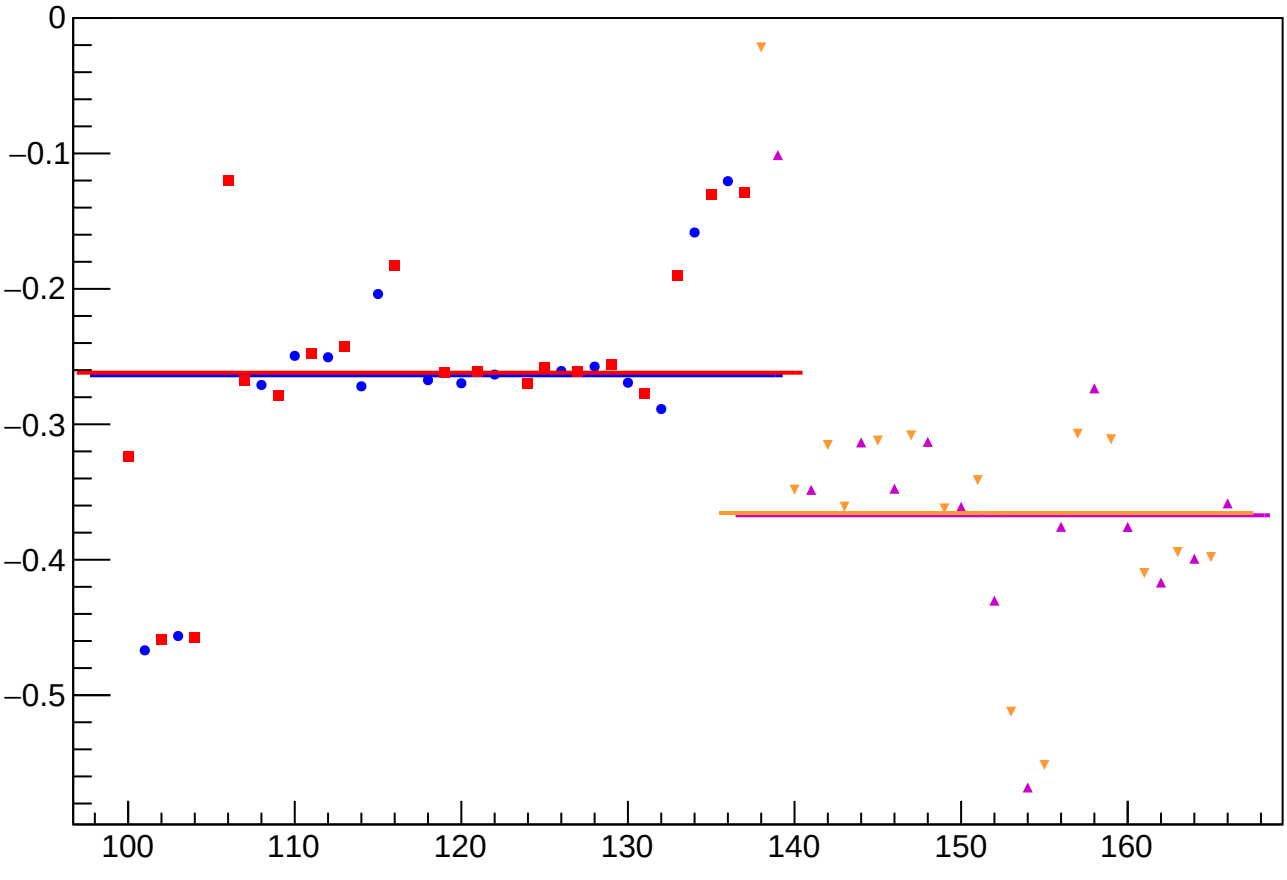
Left: 0.010+/-0.000 χ^2/NDF: 176393.9/28

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

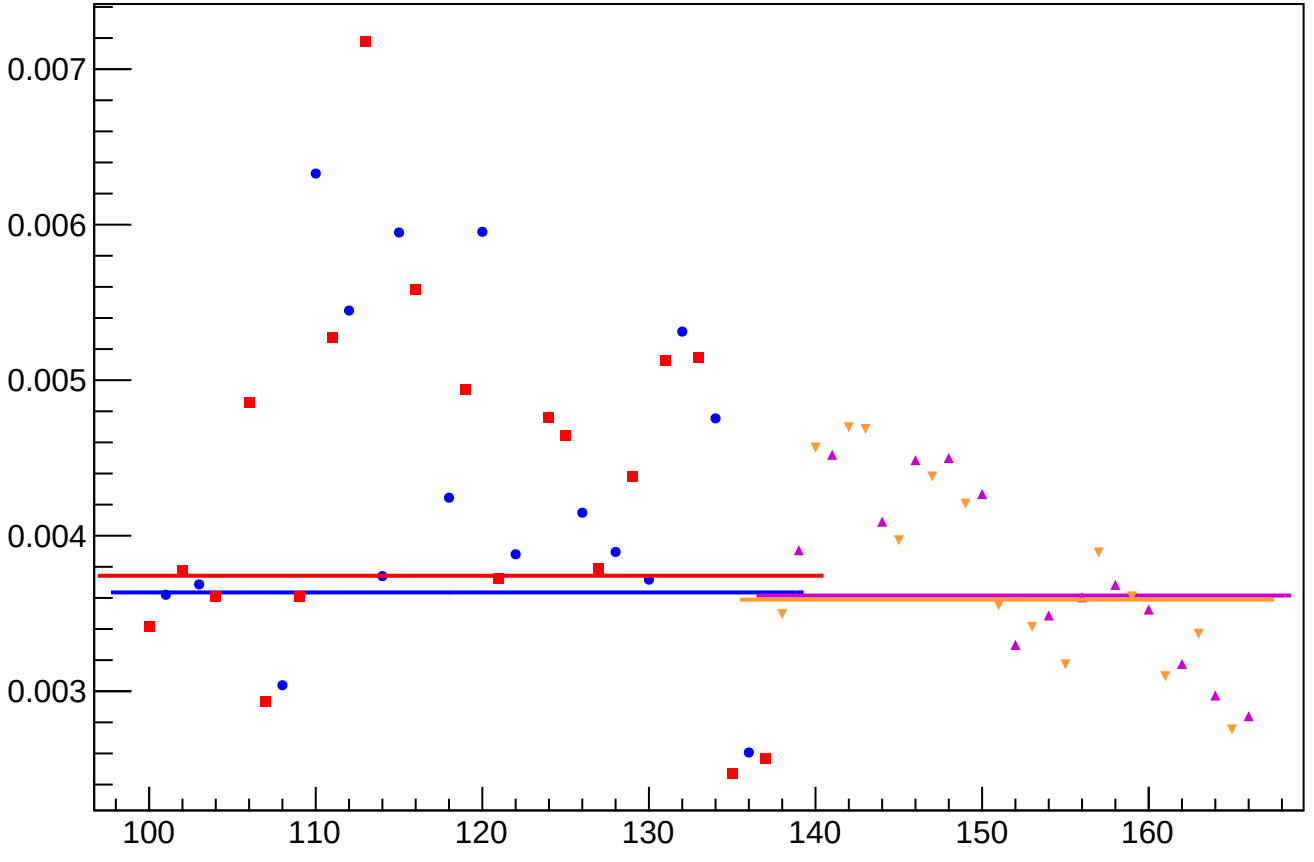
In: 0.011+/-0.000 χ^2/NDF:309211.5/29

Out: 0.011+/-0.000 χ^2/NDF:333794.6/33

All: 0.011+/-0.000 χ^2/NDF: 646238.6/63


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.365+/-0.000 χ²/NDF:11658269426.1/14
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.367+/-0.000 χ²/NDF:7549056030.3/13
Left: -0.366+/-0.000 χ²/NDF: 19208477613.8/28
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.330+/-0.000 χ²/NDF:16647968381.3/29
Out: -0.330+/-0.000 χ²/NDF:19925066281.5/33
All: -0.330+/-0.000 χ²/NDF: 36573179305.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:470139.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:421493.8/13

Left: 0.004+/-0.000 χ^2/NDF: 892188.7/28

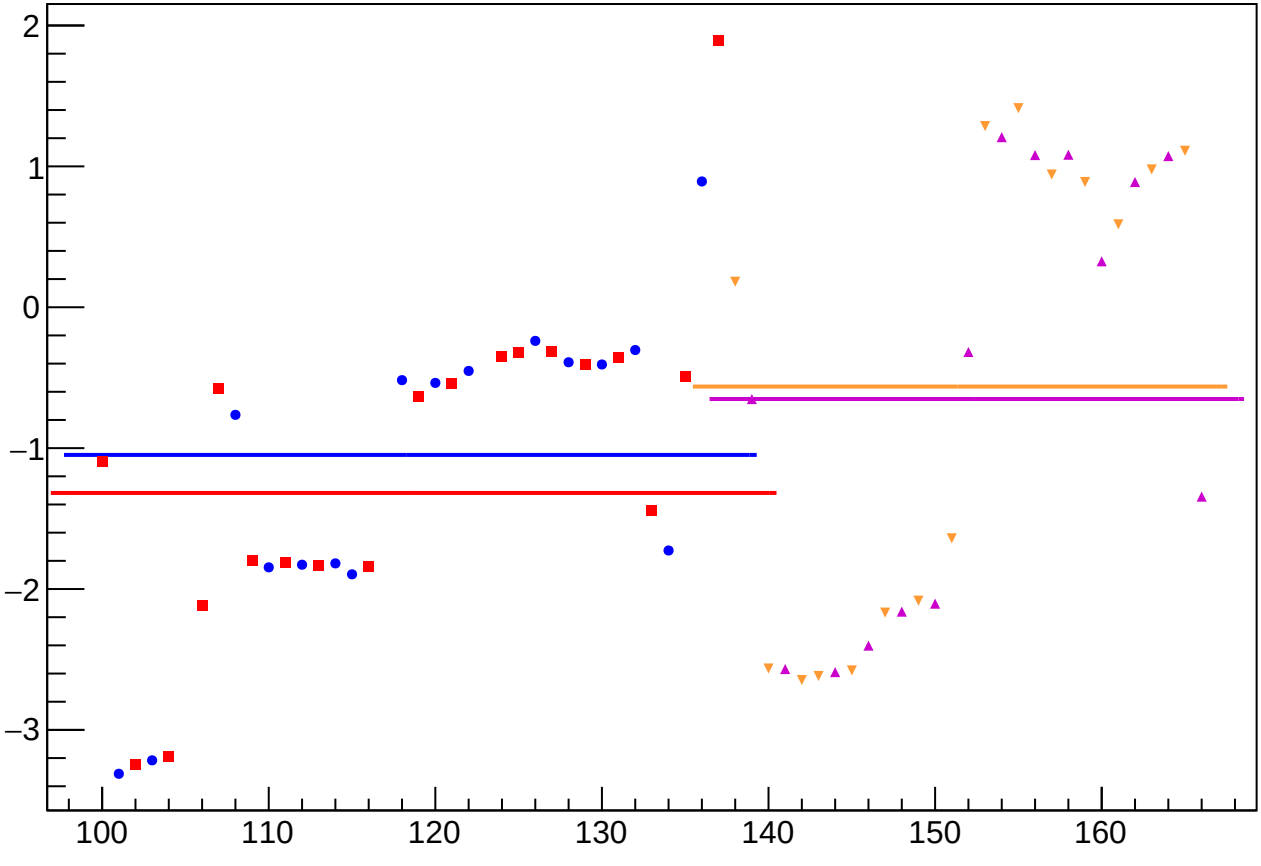
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1150315.2/29

Out: 0.004+/-0.000 χ^2/NDF:1377592.5/33

All: 0.004+/-0.000 χ^2/NDF: 2528379.1/63

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.563+/-0.000 χ^2/NDF:5482126473.9/14

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.651+/-0.000 χ^2/NDF:4468870735.8/13

Left: -0.606+/-0.000 χ^2/NDF: 9958767108.4/28

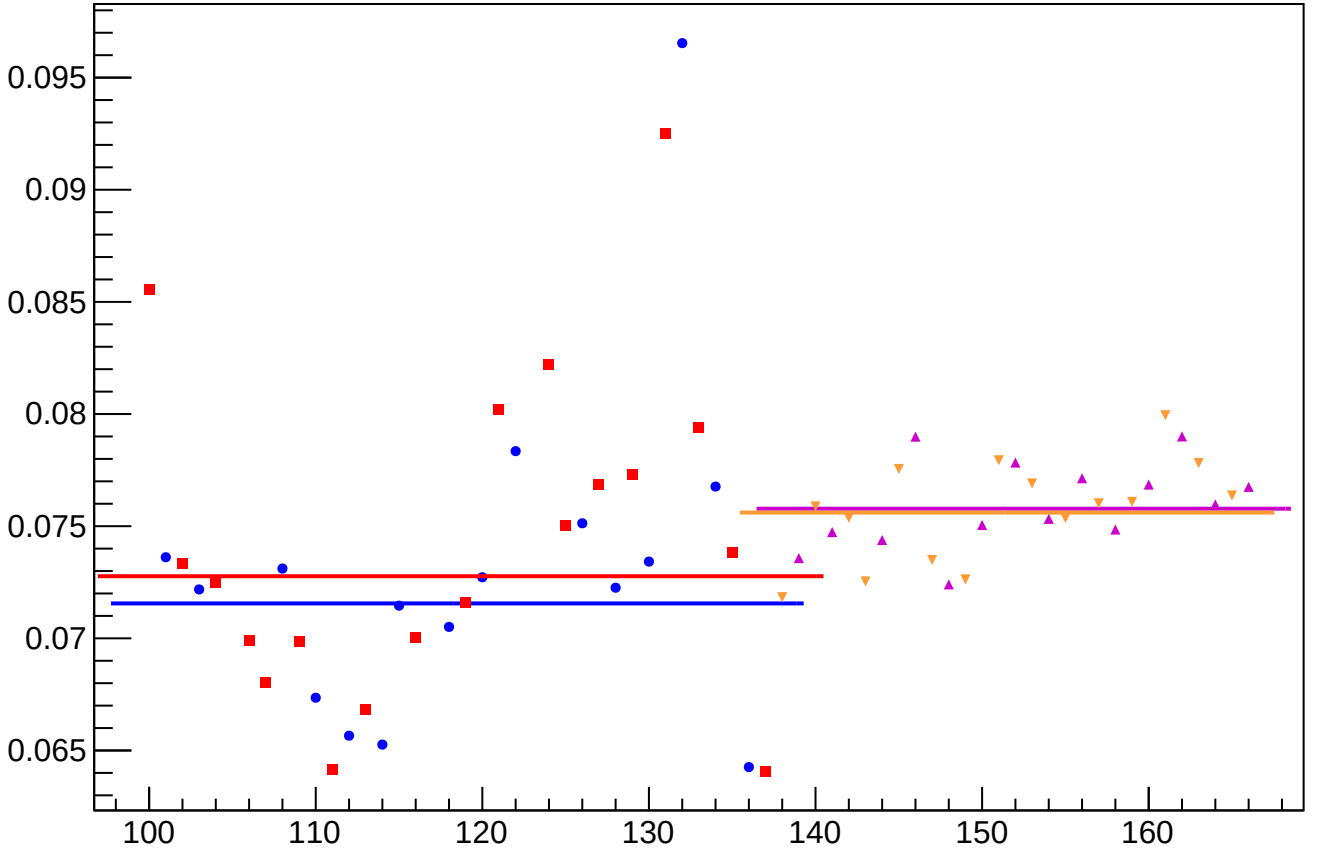
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.814+/-0.000 χ^2/NDF:6942998776.1/29

Out: -0.867+/-0.000 χ^2/NDF:7796794483.6/33

All: -0.841+/-0.000 χ^2/NDF: 14744570822.0/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20580.3/14

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:14080.3/13

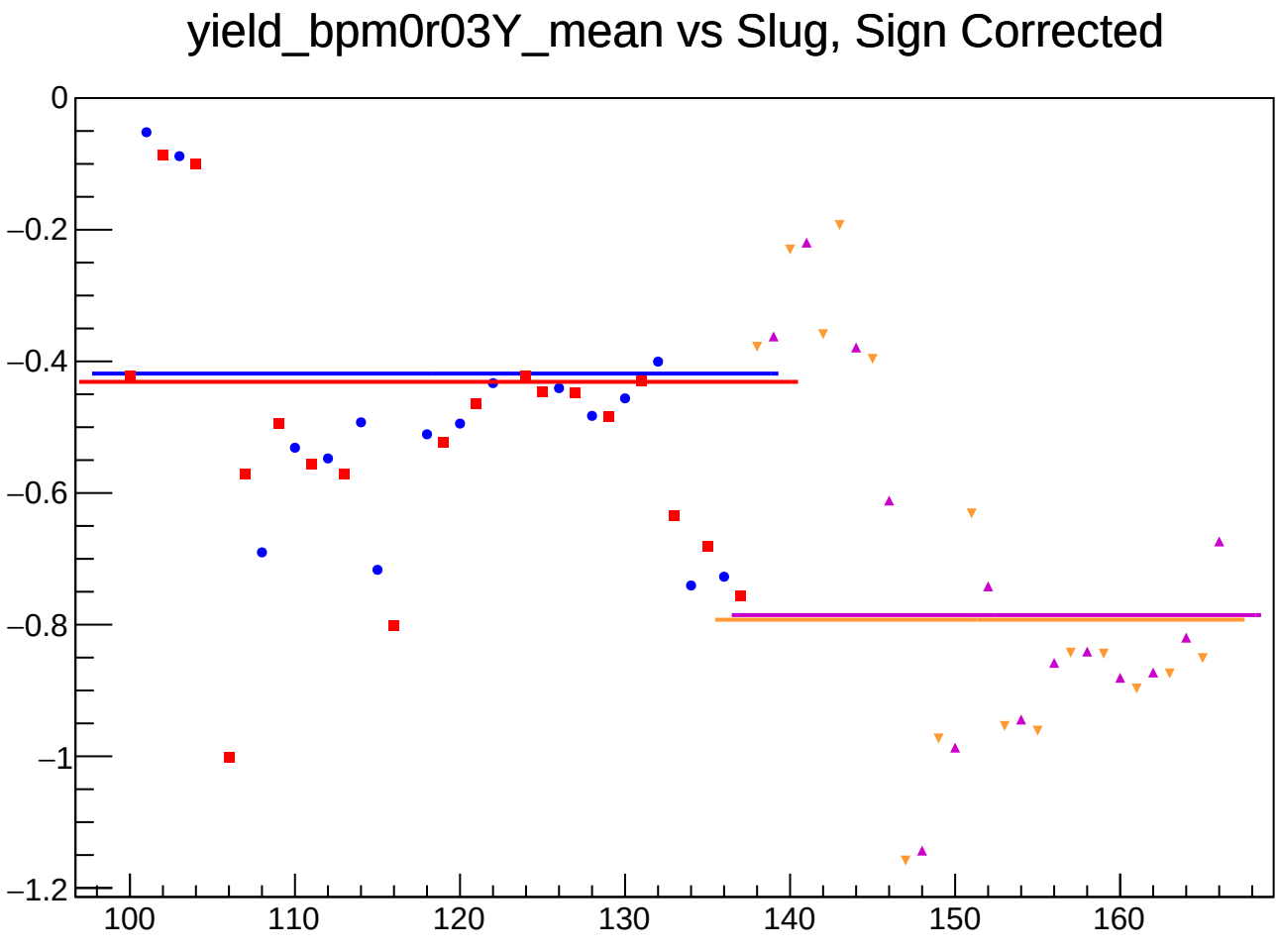
Left: 0.076+/-0.000 χ^2/NDF: 34719.6/28

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:144108.6/29

Out: 0.074+/-0.000 χ^2/NDF:130643.4/33

All: 0.074+/-0.000 χ^2/NDF: 275340.0/63



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.792+/-0.000 χ^2/NDF:13897466207.1/14

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.785+/-0.000 χ^2/NDF:10648262701.5/13

Left: -0.789+/-0.000 χ^2/NDF: 24551655851.7/28

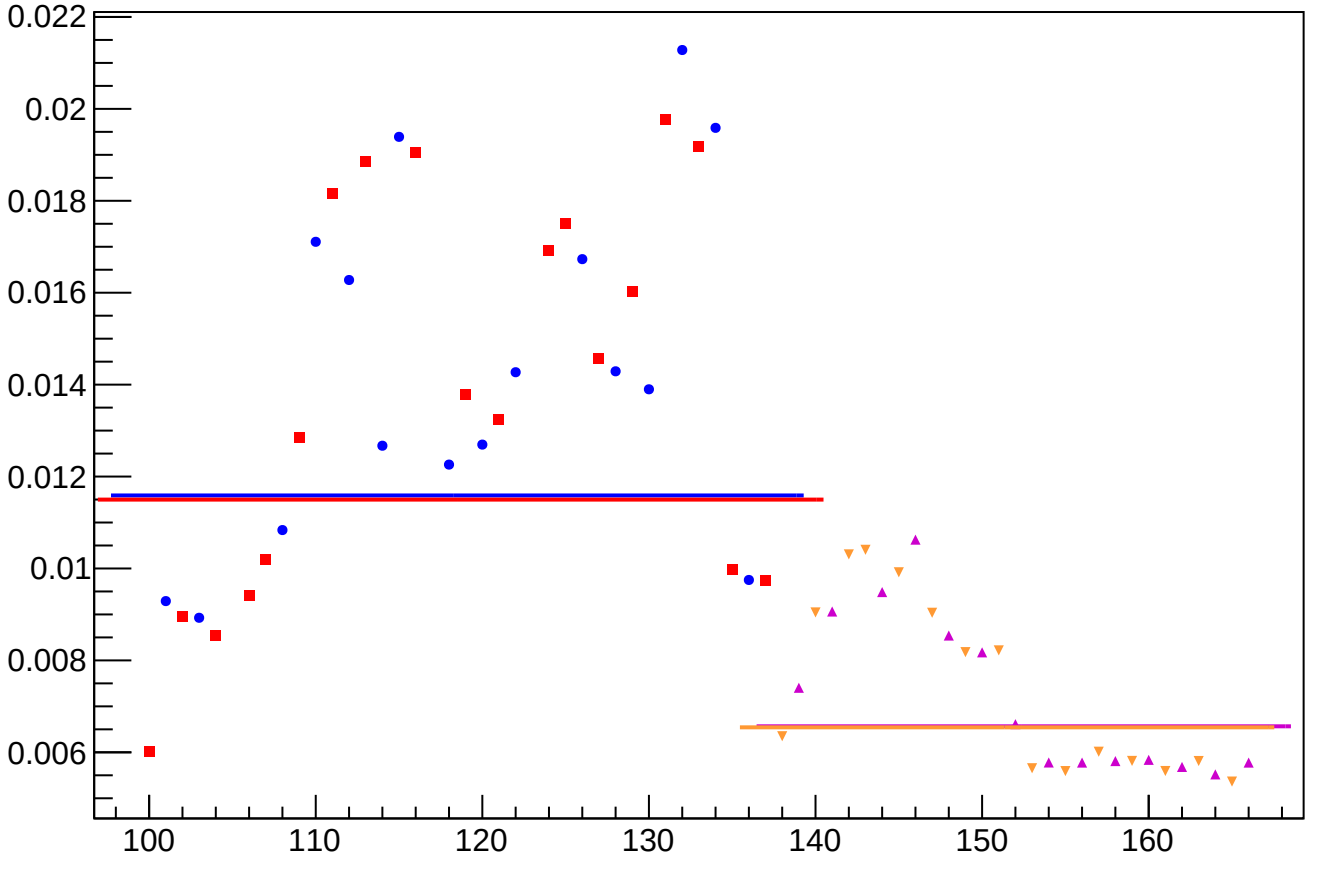
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.728+/-0.000 χ^2/NDF:18763993878.2/29

Out: -0.736+/-0.000 χ^2/NDF:22100623224.5/33

All: -0.732+/-0.000 χ^2/NDF: 40873365415.3/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1078652.7/14

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:874844.6/13

Left: 0.007+/-0.000 χ^2/NDF: 1953619.1/28

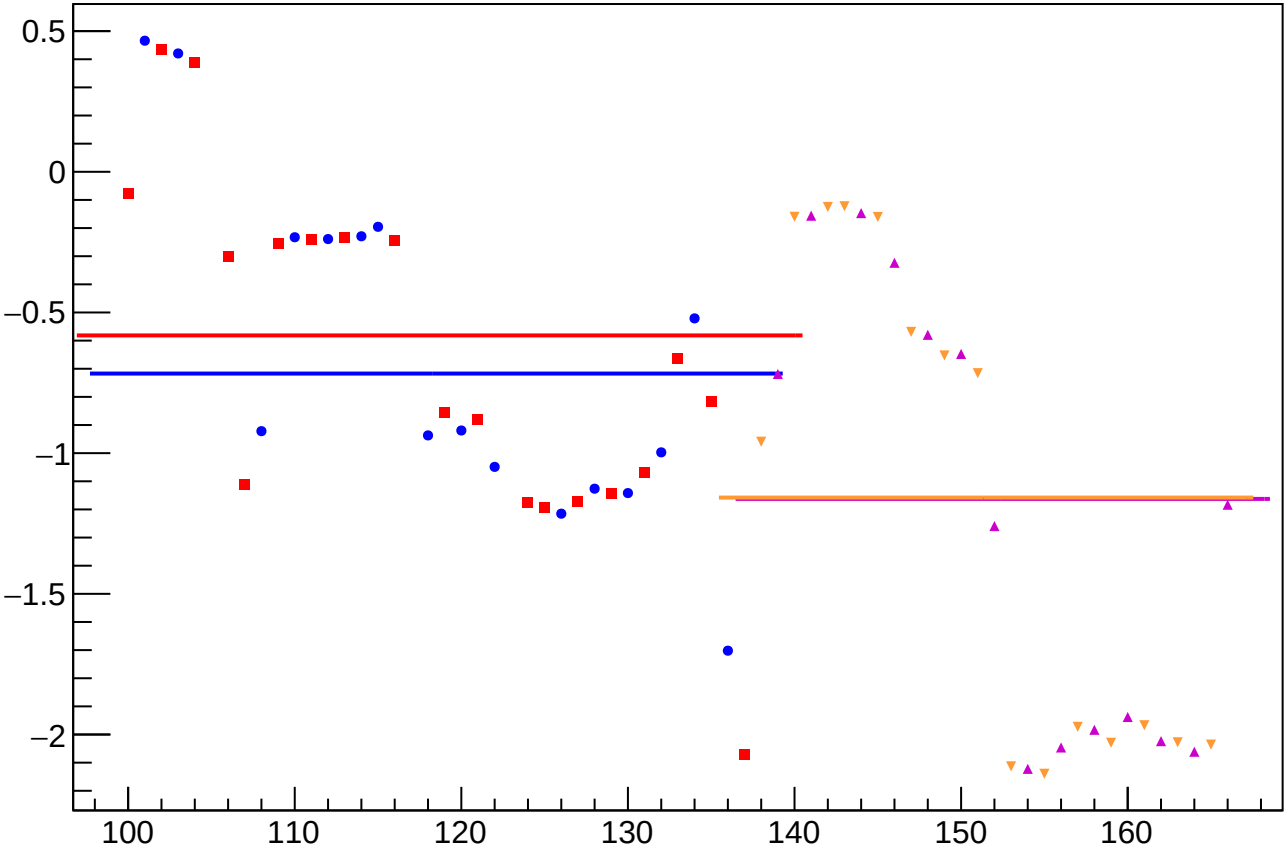
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3551394.4/29

Out: 0.007+/-0.000 χ^2/NDF:4126075.2/33

All: 0.007+/-0.000 χ^2/NDF: 7677767.7/63

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.158+/-0.000 χ^2/NDF:1073207544.3/14

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.163+/-0.000 χ^2/NDF:903707622.4/13

Left: -1.160+/-0.000 χ^2/NDF: 1976932468.0/28

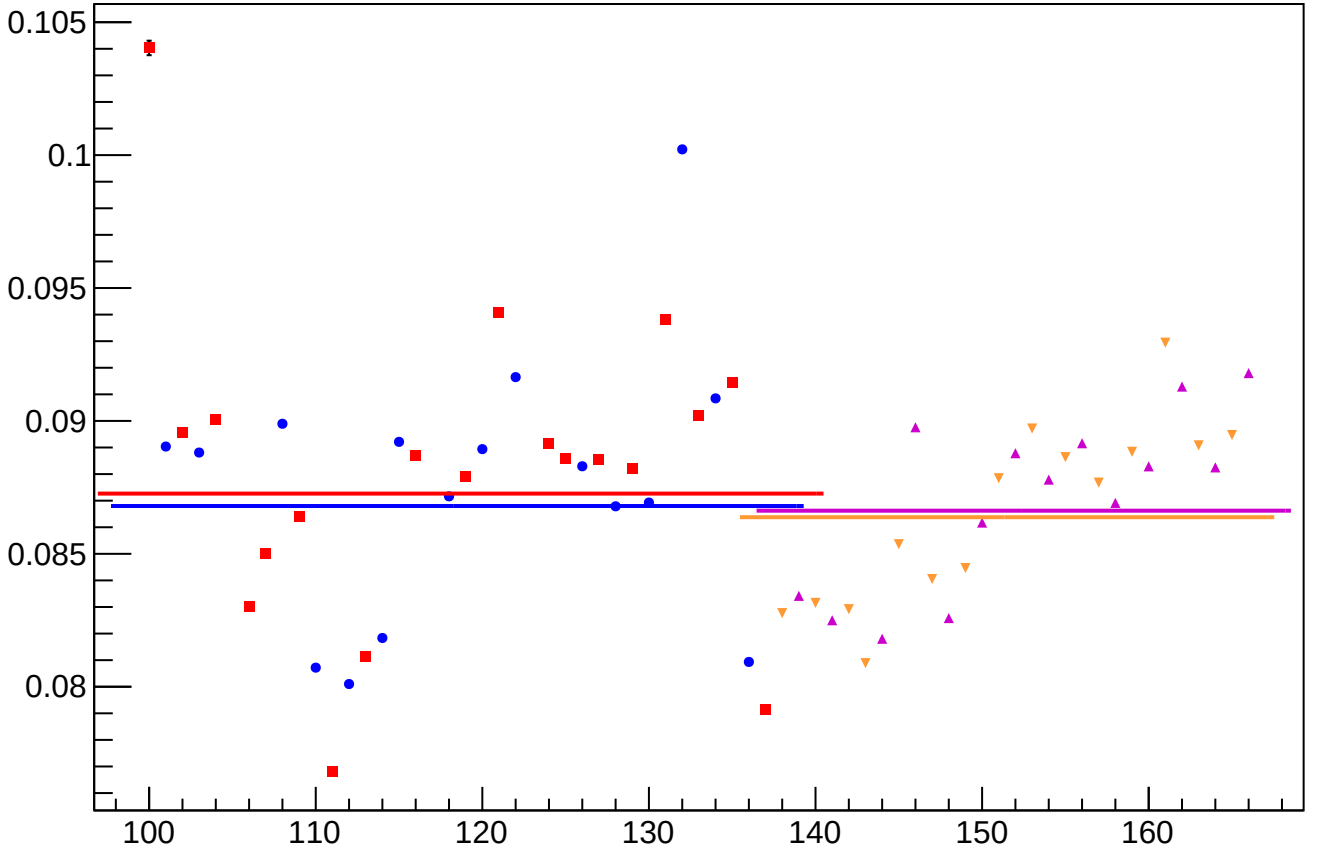
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.991+/-0.000 χ^2/NDF:1457409368.4/29

Out: -0.937+/-0.000 χ^2/NDF:1615513700.4/33

All: -0.964+/-0.000 χ^2/NDF: 3076618169.9/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33352.4/14

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:30679.5/13

Left: 0.086+/-0.000 χ^2/NDF: 64125.5/28

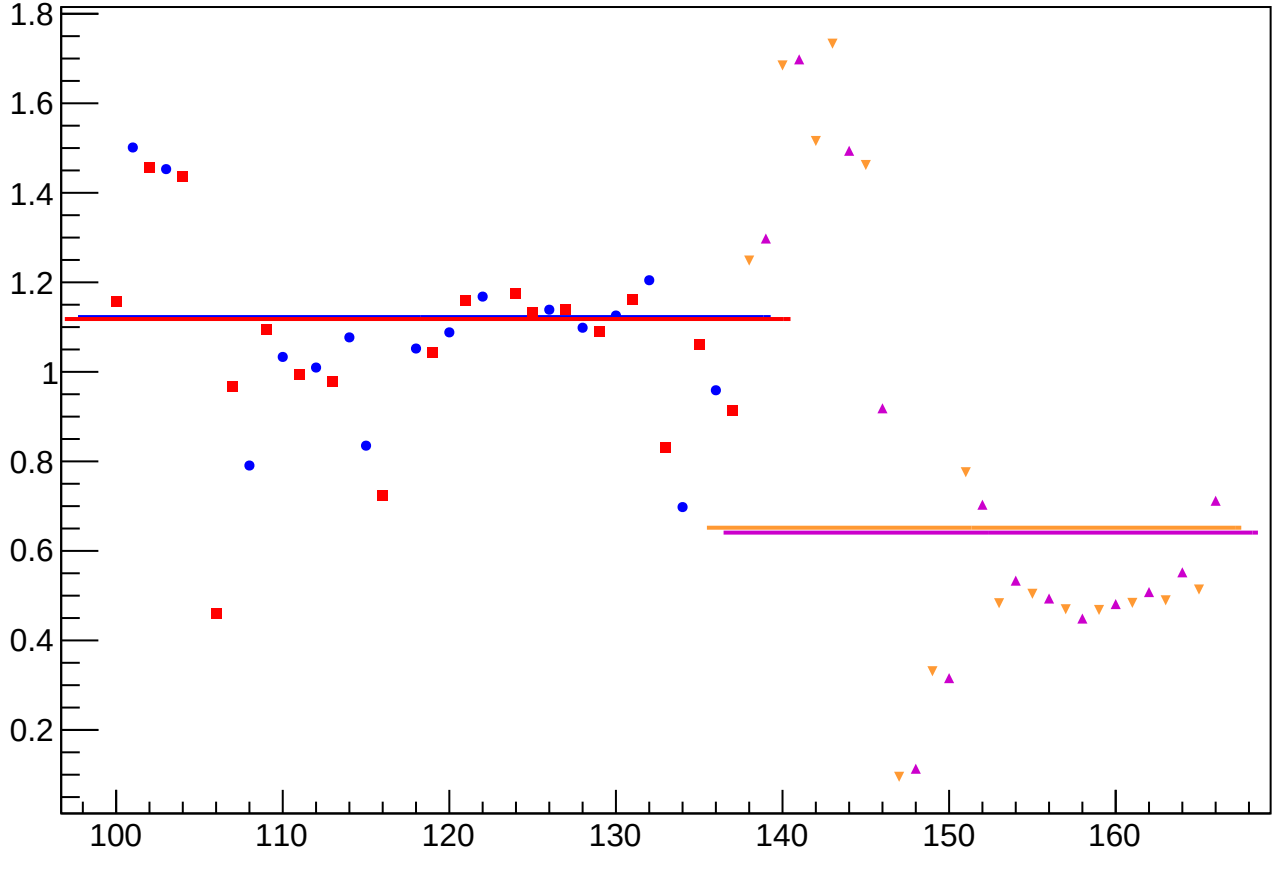
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:74291.2/29

Out: 0.087+/-0.000 χ^2/NDF:80468.9/33

All: 0.087+/-0.000 χ^2/NDF: 154762.0/63

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.652+/-0.000 χ^2/NDF:28070985831.0/14

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.641+/-0.000 χ^2/NDF:21833326381.8/13

Left: 0.646+/-0.000 χ^2/NDF: 49914624621.3/28

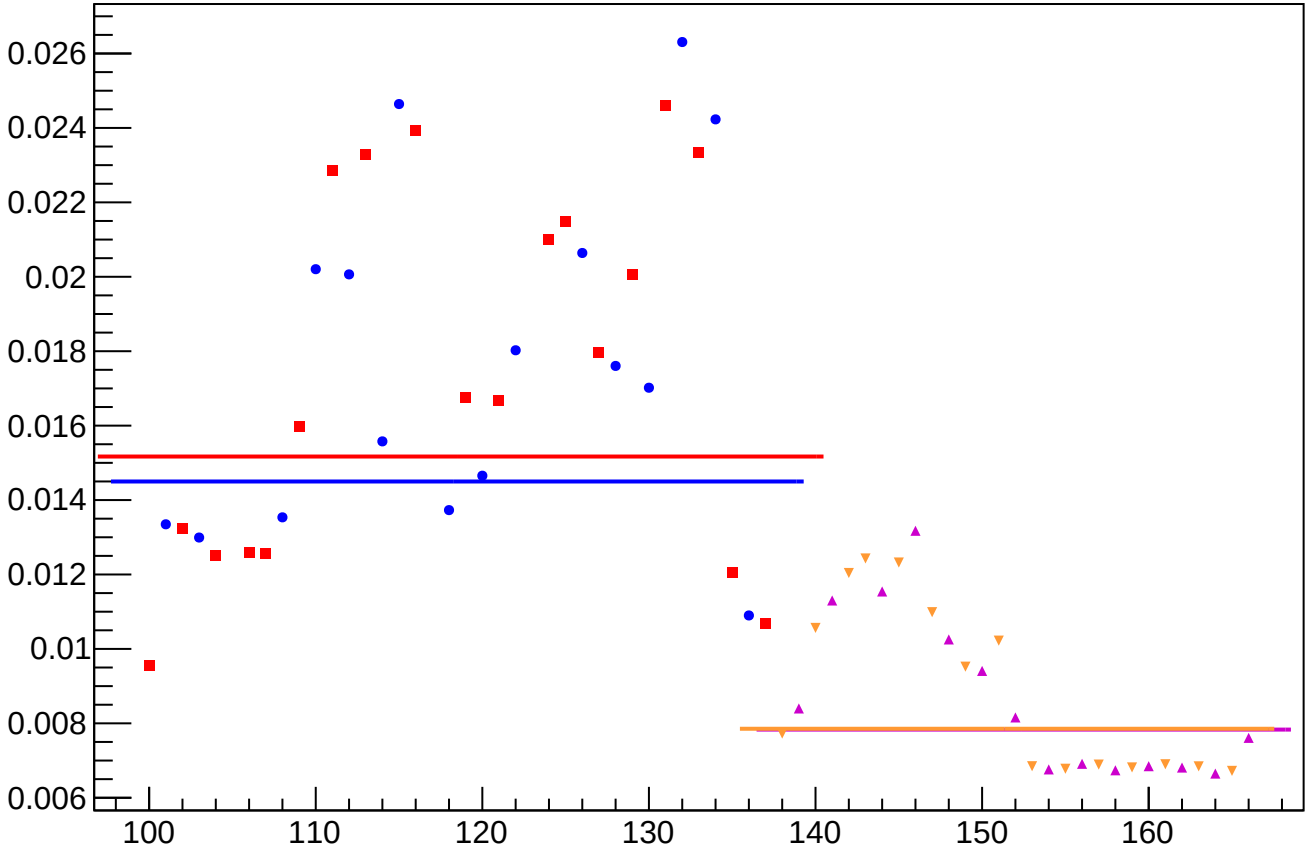
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.710+/-0.000 χ^2/NDF:28932293850.8/29

Out: 0.714+/-0.000 χ^2/NDF:34662926859.0/33

All: 0.712+/-0.000 χ^2/NDF: 63597096298.7/6

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1082153.1/14

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:933436.5/13

Left: 0.008+/-0.000 χ^2/NDF: 2015675.9/28

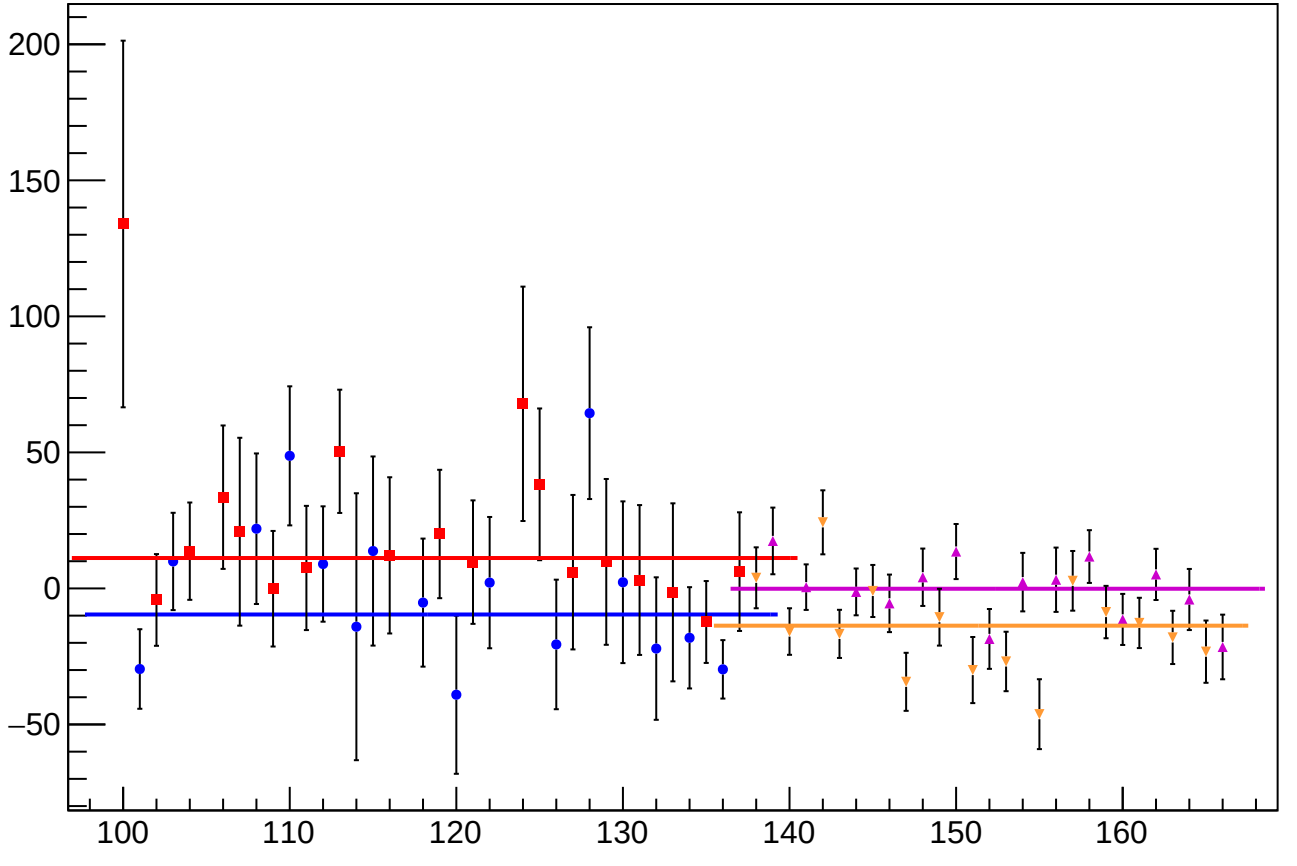
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3808072.8/29

Out: 0.009+/-0.000 χ^2/NDF:4419419.4/33

All: 0.009+/-0.000 χ^2/NDF: 8227904.3/63

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.692+/-2.667 χ^2/NDF:31.8/14

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -0.119+/-2.727 χ^2/NDF:13.9/13

Left: -7.056+/-1.907 χ^2/NDF: 58.3/28

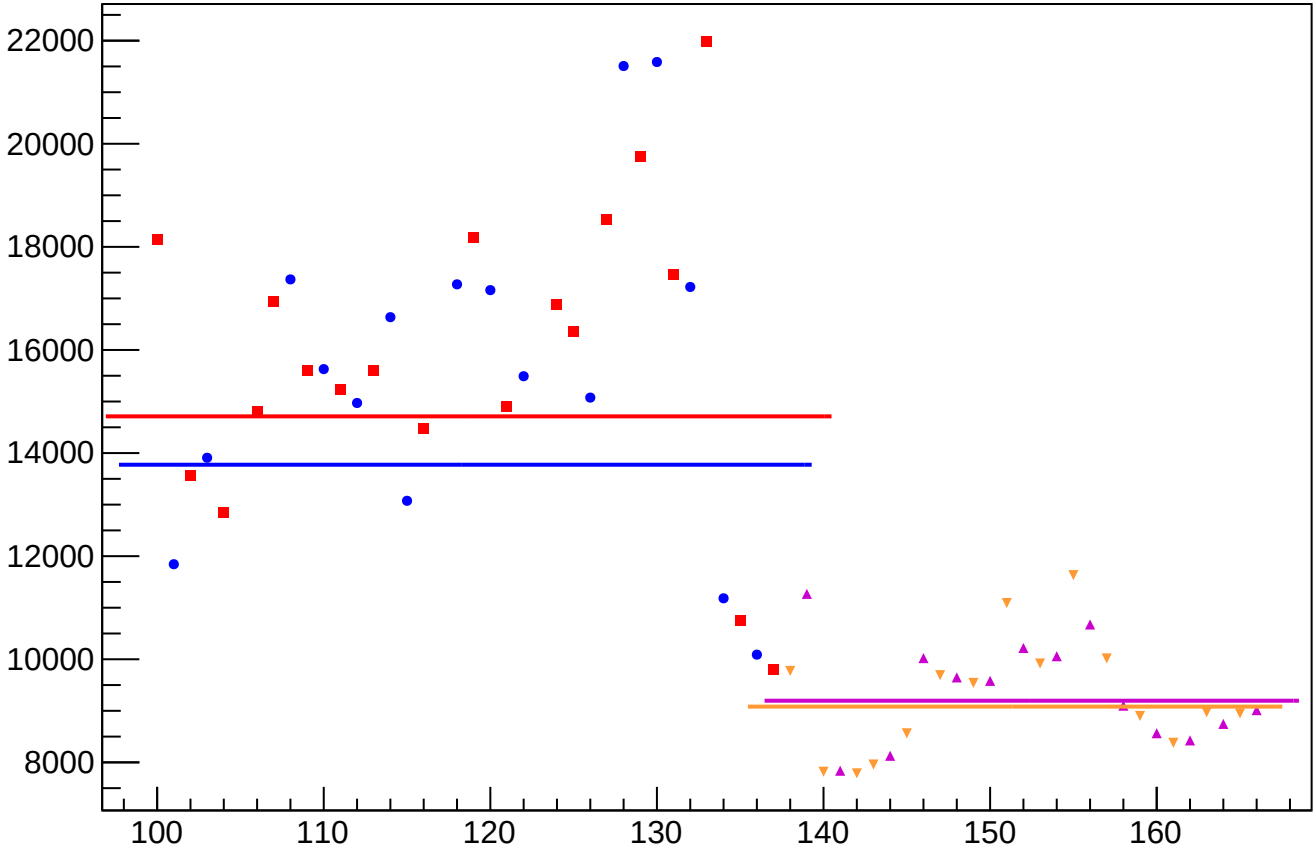
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.105+/-2.424 χ^2/NDF:38.3/29

Out: -8.954+/-2.399 χ^2/NDF:62.2/33

All: -5.564+/-1.705 χ^2/NDF: 104.6/63

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9081.685+/-1.886 χ^2/NDF:296502.8/14

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9196.047+/-1.928 χ^2/NDF:247313.7/13

Left: 9137.601+/-1.348 χ^2/NDF: 545614.6/28

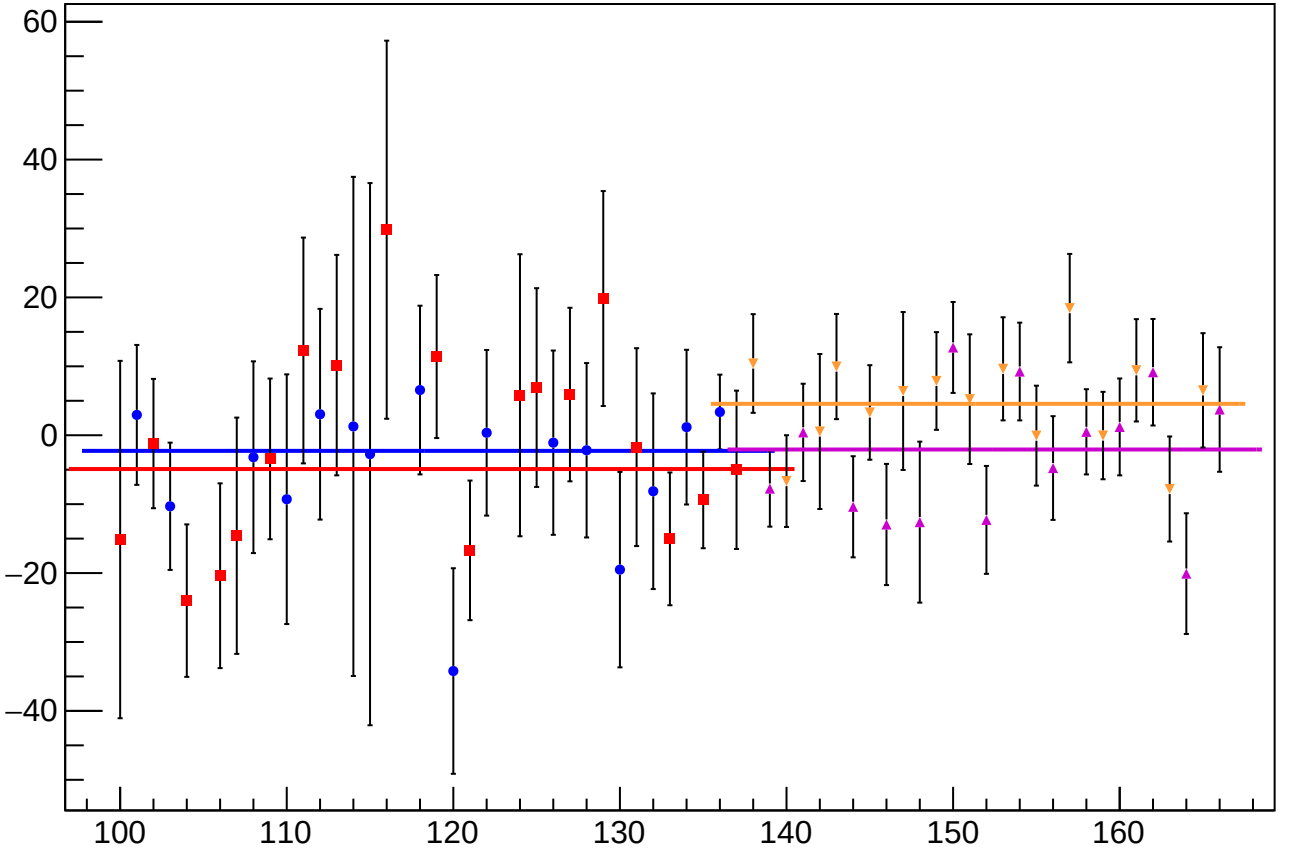
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10156.766+/-1.714 χ^2/NDF:2178021.7/29

Out: 10154.466+/-1.697 χ^2/NDF:2552245.7/33

All: 10155.605+/-1.206 χ^2/NDF: 4730268.3/6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.559+/-1.980 χ^2/NDF:12.0/14

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.069+/-1.973 χ^2/NDF:21.4/13

Left: 1.232+/-1.398 χ^2/NDF: 39.0/28

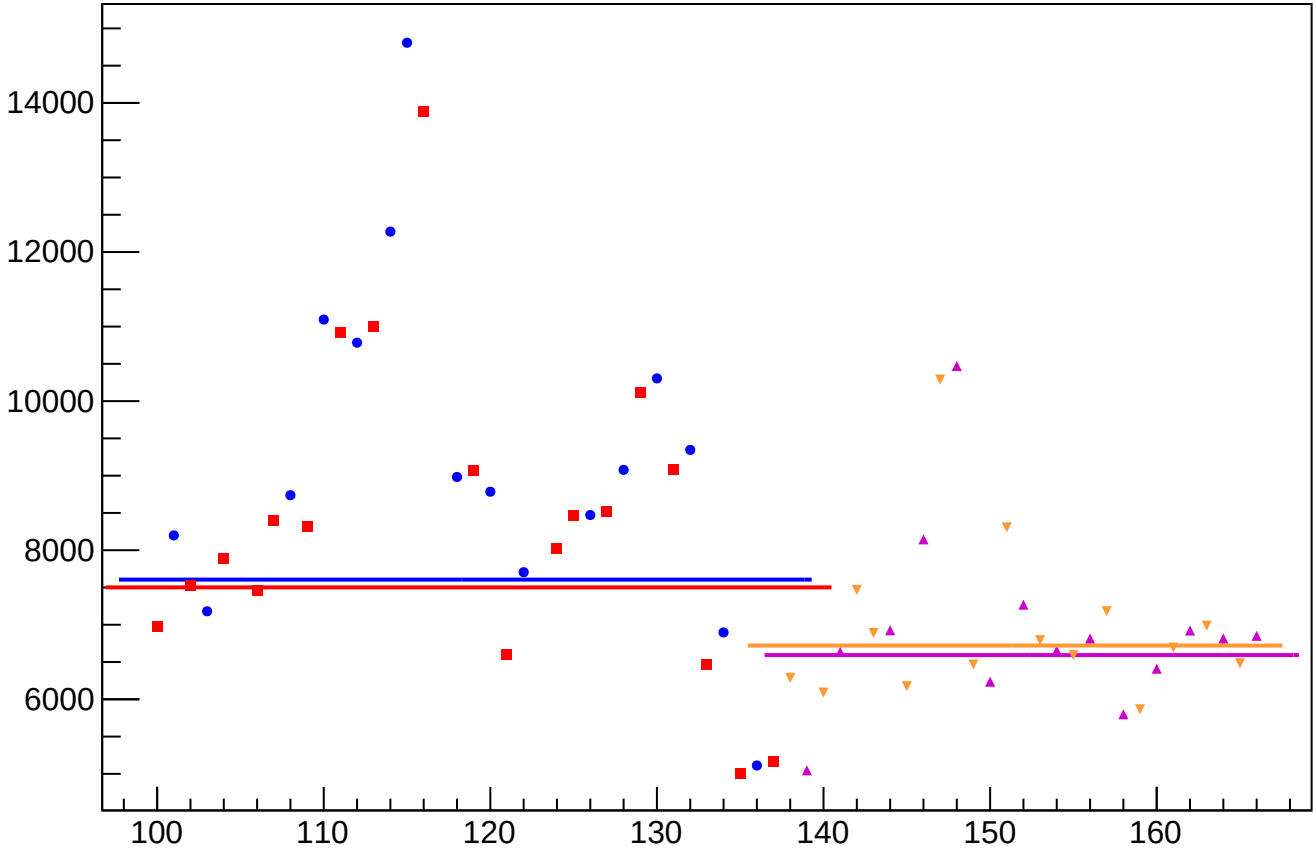
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.131+/-1.635 χ^2/NDF:30.7/29

Out: 1.457+/-1.624 χ^2/NDF:37.1/33

All: -0.325+/-1.152 χ^2/NDF: 70.2/63

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6721.281+/-1.400 χ^2/NDF:349155.8/14

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6593.121+/-1.395 χ^2/NDF:507322.3/13

Left: 6656.954+/-0.988 χ^2/NDF: 860682.5/28

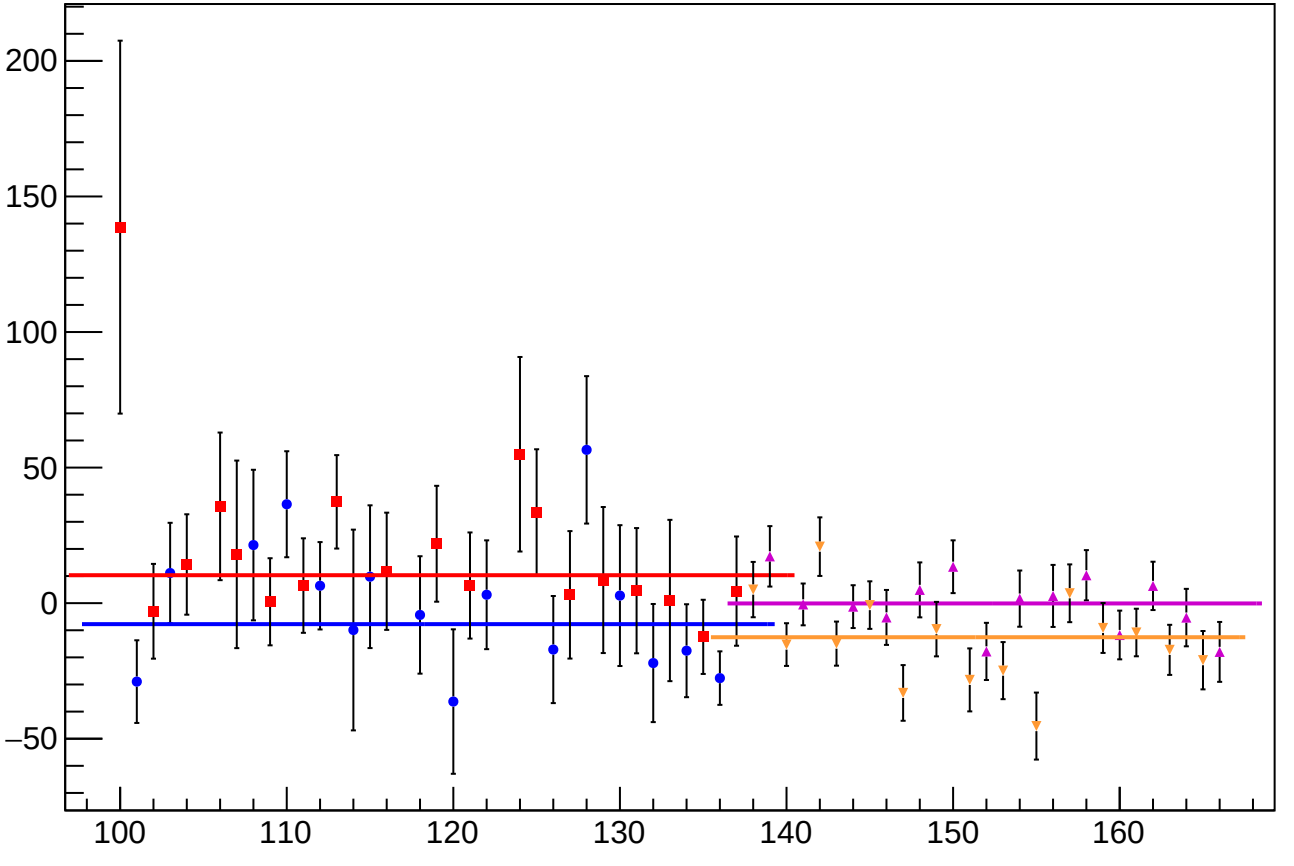
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6910.140+/-1.156 χ^2/NDF:1563792.6/29

Out: 6977.031+/-1.148 χ^2/NDF:1274479.7/33

All: 6943.819+/-0.815 χ^2/NDF: 2839957.8/63

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.568+/-2.510 χ^2/NDF:32.2/14

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -0.106+/-2.577 χ^2/NDF:14.1/13

Left: -6.502+/-1.798 χ^2/NDF: 58.4/28

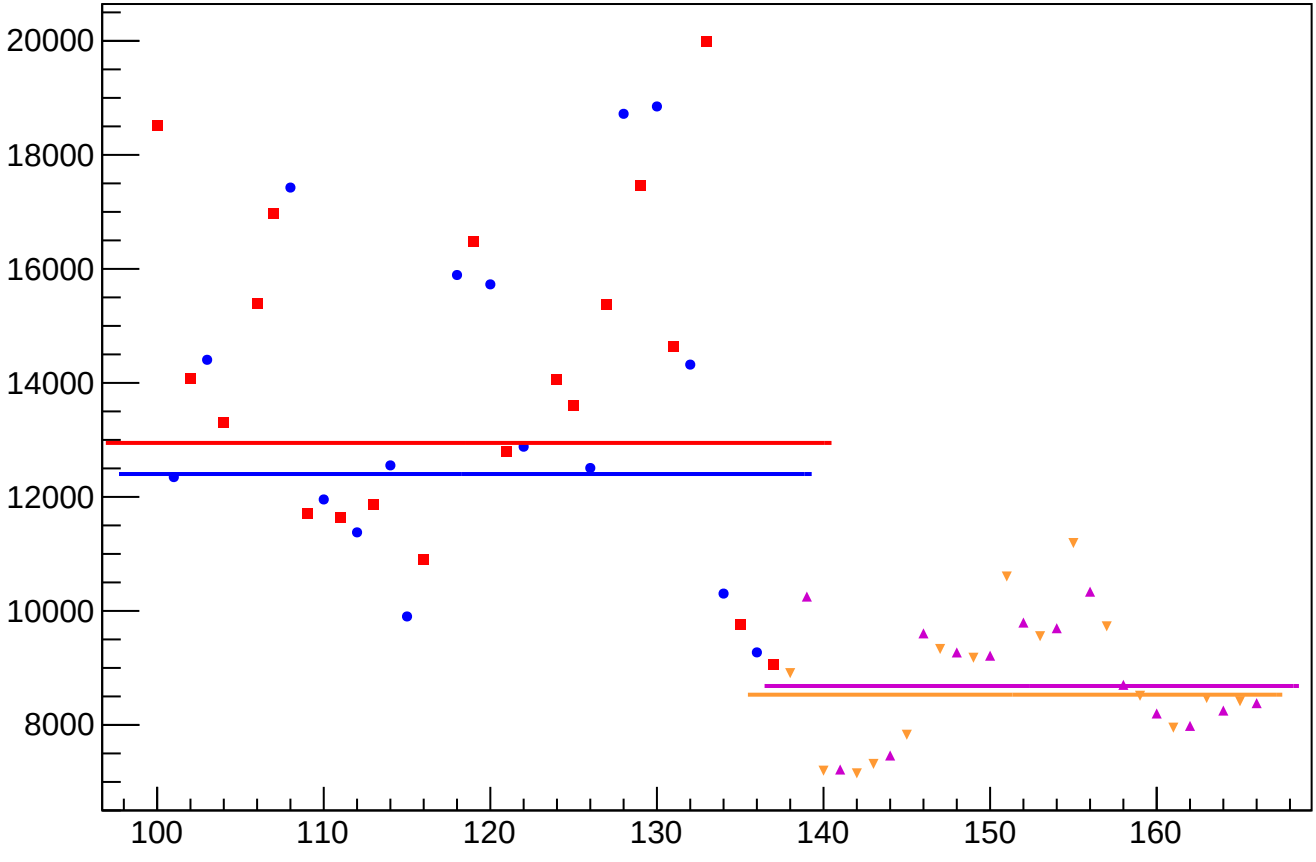
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.844+/-2.265 χ^2/NDF:38.8/29

Out: -7.720+/-2.228 χ^2/NDF:63.8/33

All: -4.830+/-1.588 χ^2/NDF: 106.0/63

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8530.540+/-1.775 χ^2/NDF:380271.2/14

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8683.178+/-1.822 χ^2/NDF:294929.5/13

Left: 8604.845+/-1.271 χ^2/NDF: 678801.3/28

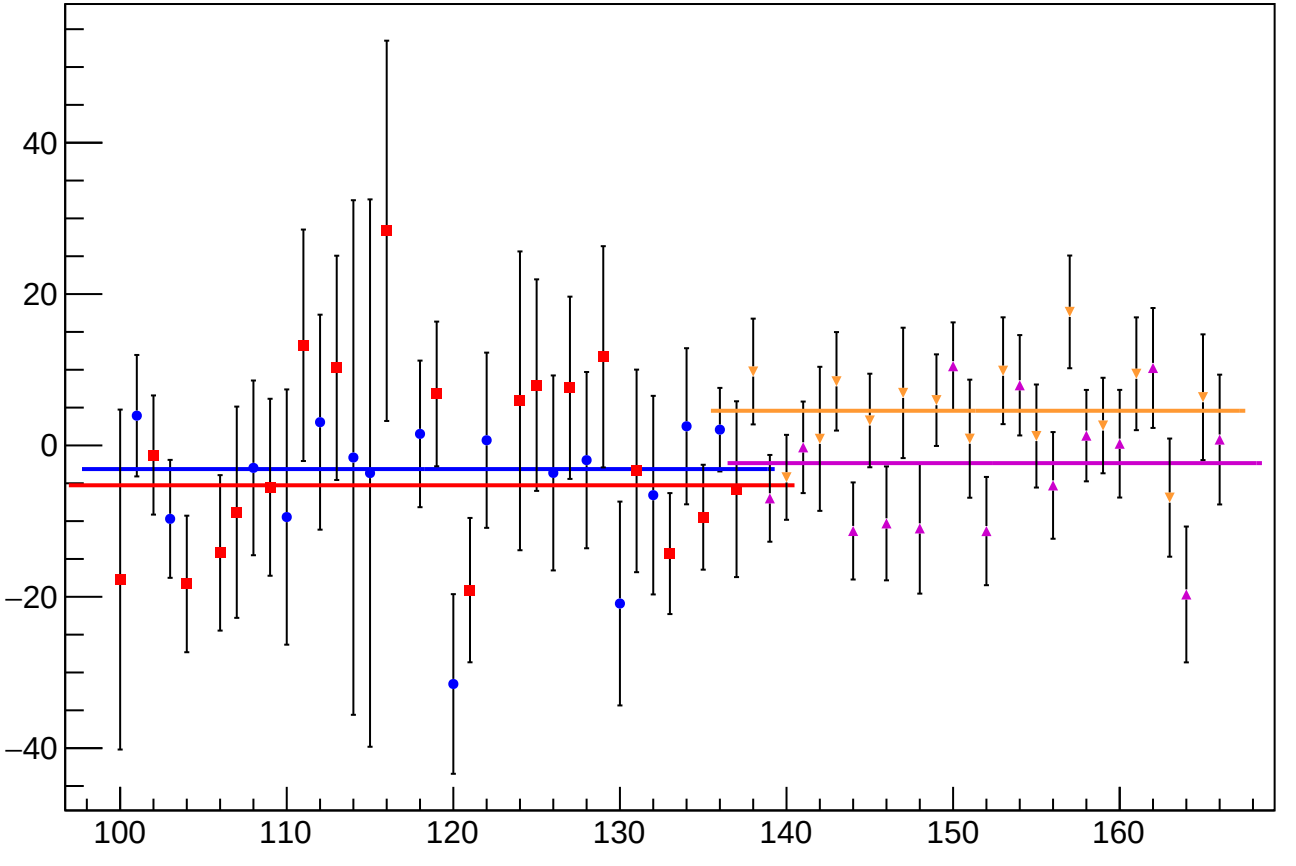
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9529.355+/-1.602 χ^2/NDF:1920794.9/29

Out: 9466.693+/-1.576 χ^2/NDF:2248090.8/33

All: 9497.510+/-1.123 χ^2/NDF: 4169663.6/63

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.582+/-1.814 χ^2/NDF:10.5/14

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.337+/-1.842 χ^2/NDF:20.8/13

Left: 1.177+/-1.293 χ^2/NDF: 38.5/28

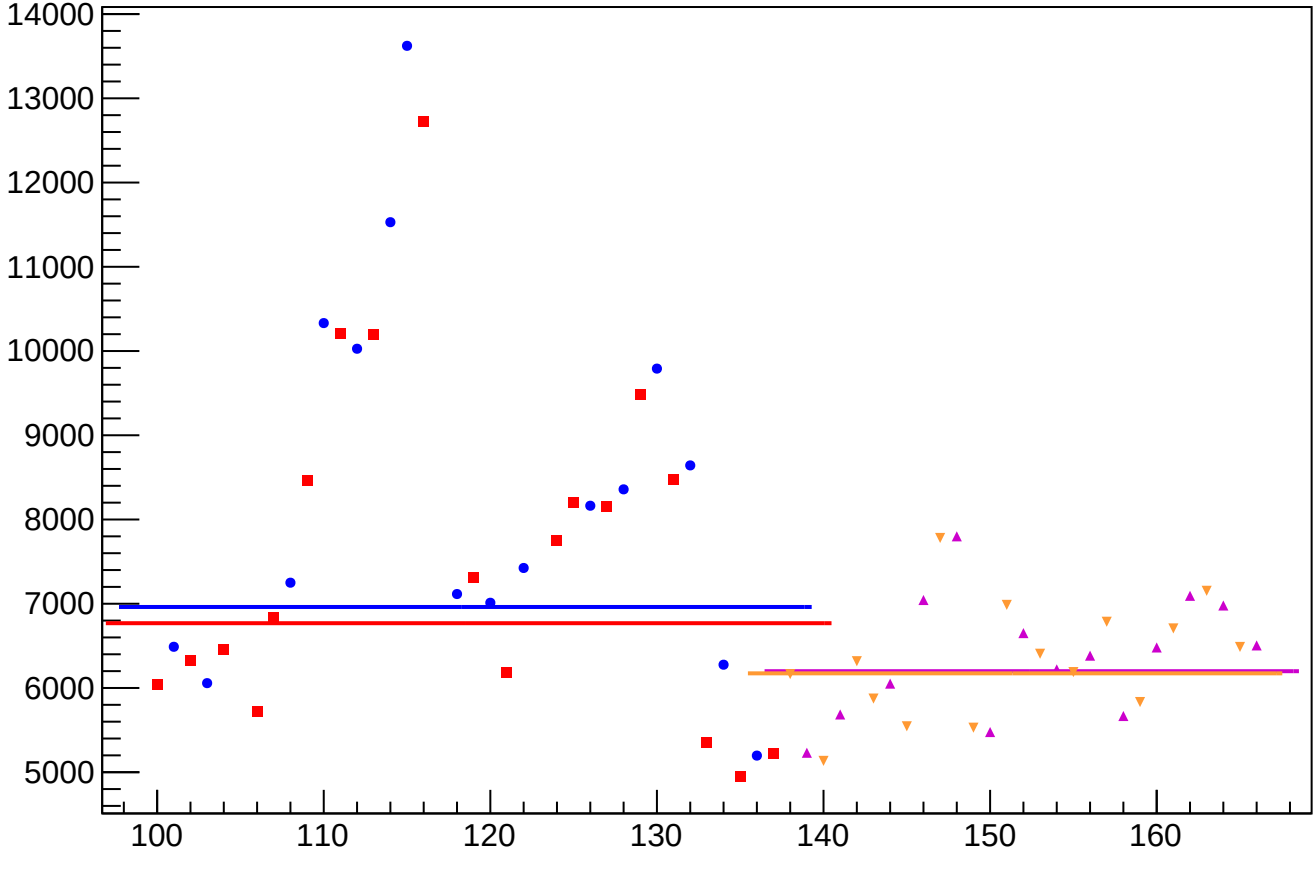
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.593+/-1.514 χ^2/NDF:31.7/29

Out: 1.279+/-1.479 χ^2/NDF:37.3/33

All: -0.611+/-1.058 χ^2/NDF: 72.4/63

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6173.631+/-1.282 χ^2/NDF:274179.4/14

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6199.183+/-1.303 χ^2/NDF:269081.6/13

Left: 6186.206+/-0.914 χ^2/NDF: 543456.3/28

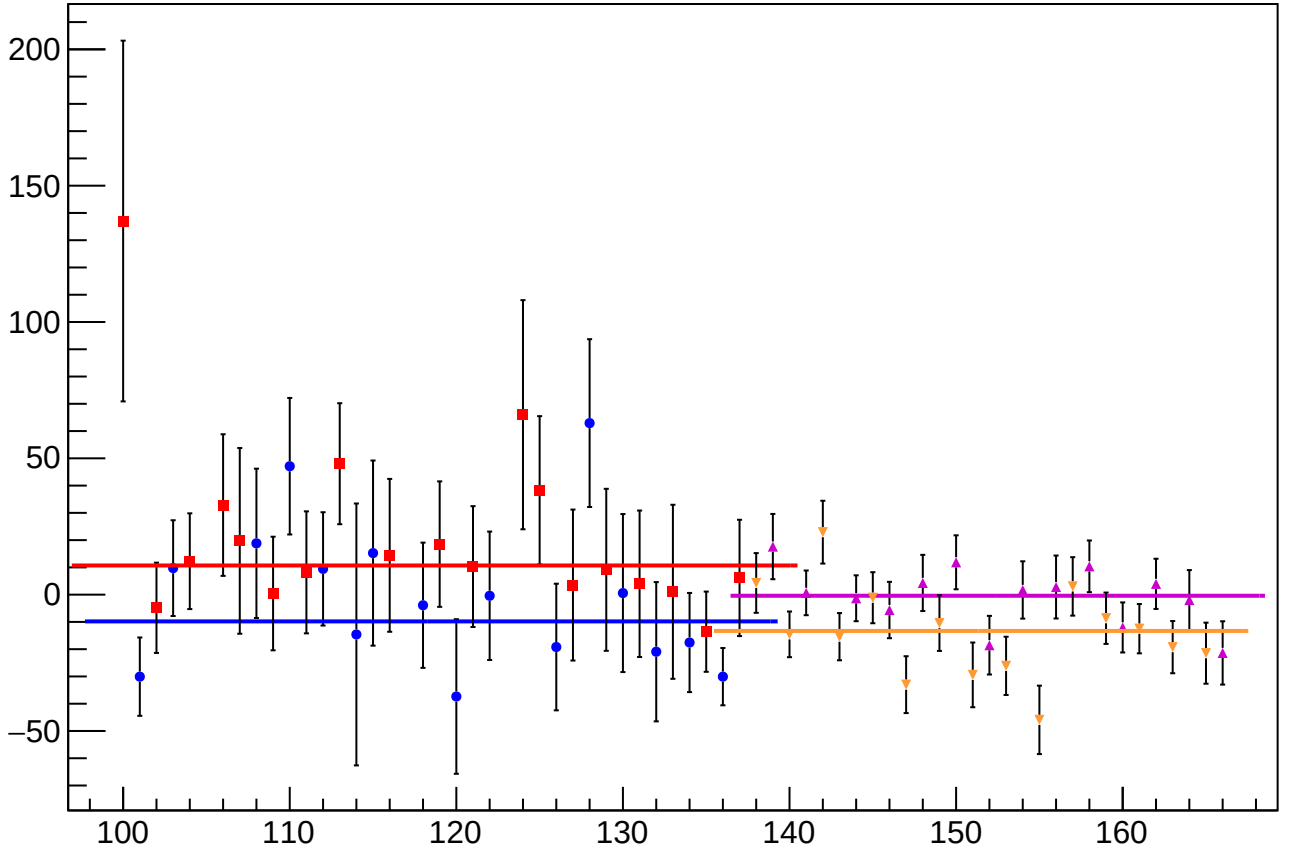
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6446.919+/-1.070 χ^2/NDF:1076773.1/29

Out: 6373.320+/-1.046 χ^2/NDF:1144566.2/33

All: 6409.253+/-0.748 χ^2/NDF: 2223758.7/63

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -13.306+/-2.608 χ^2/NDF:31.4/14

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: -0.399+/-2.666 χ^2/NDF:13.7/13

Left: -6.994+/-1.864 χ^2/NDF: 57.1/28

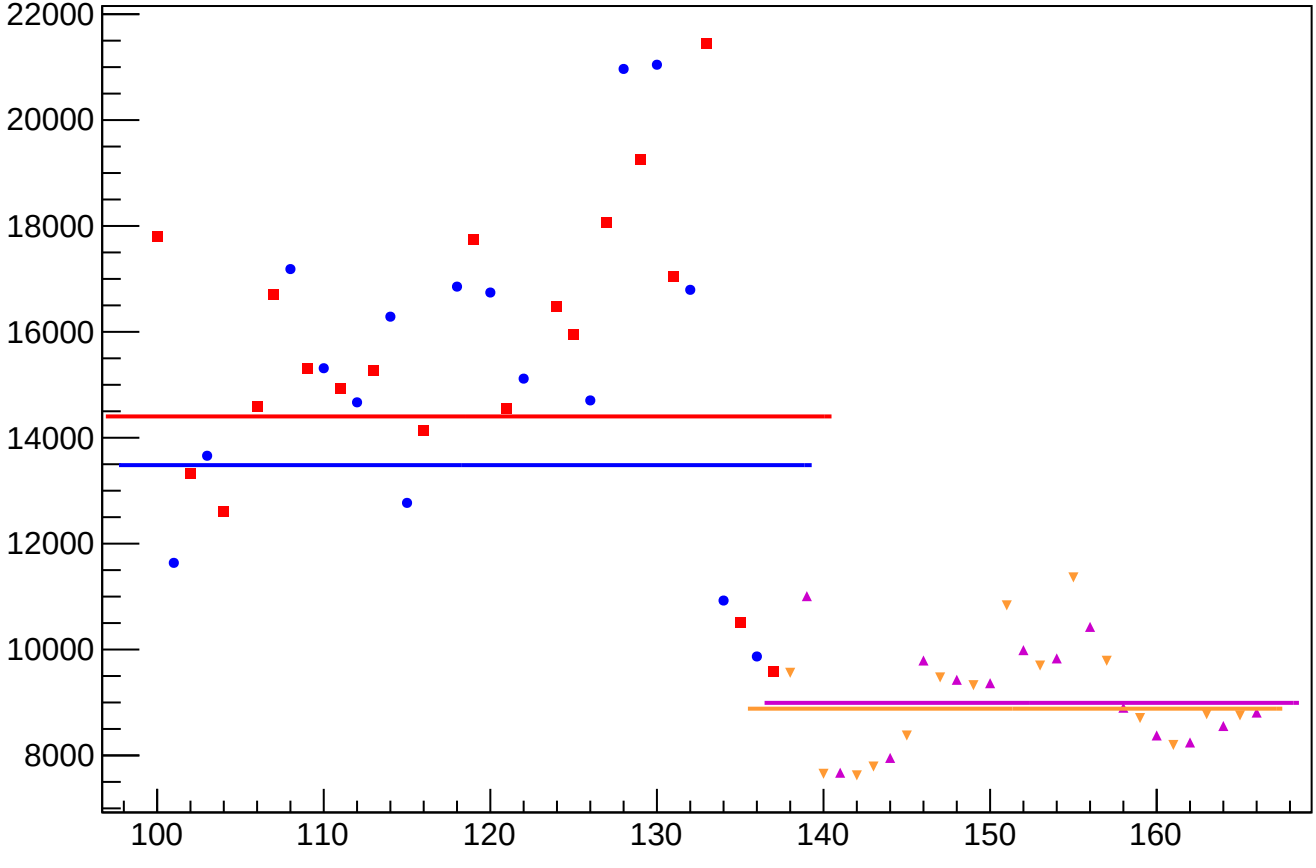
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.371+/-2.370 χ^2/NDF:38.3/29

Out: -8.738+/-2.347 χ^2/NDF:61.9/33

All: -5.586+/-1.668 χ^2/NDF: 103.8/63

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8883.013+/-1.844 χ^2/NDF:293301.4/14

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8992.926+/-1.885 χ^2/NDF:244336.4/13

Left: 8936.764+/-1.318 χ^2/NDF: 539374.6/28

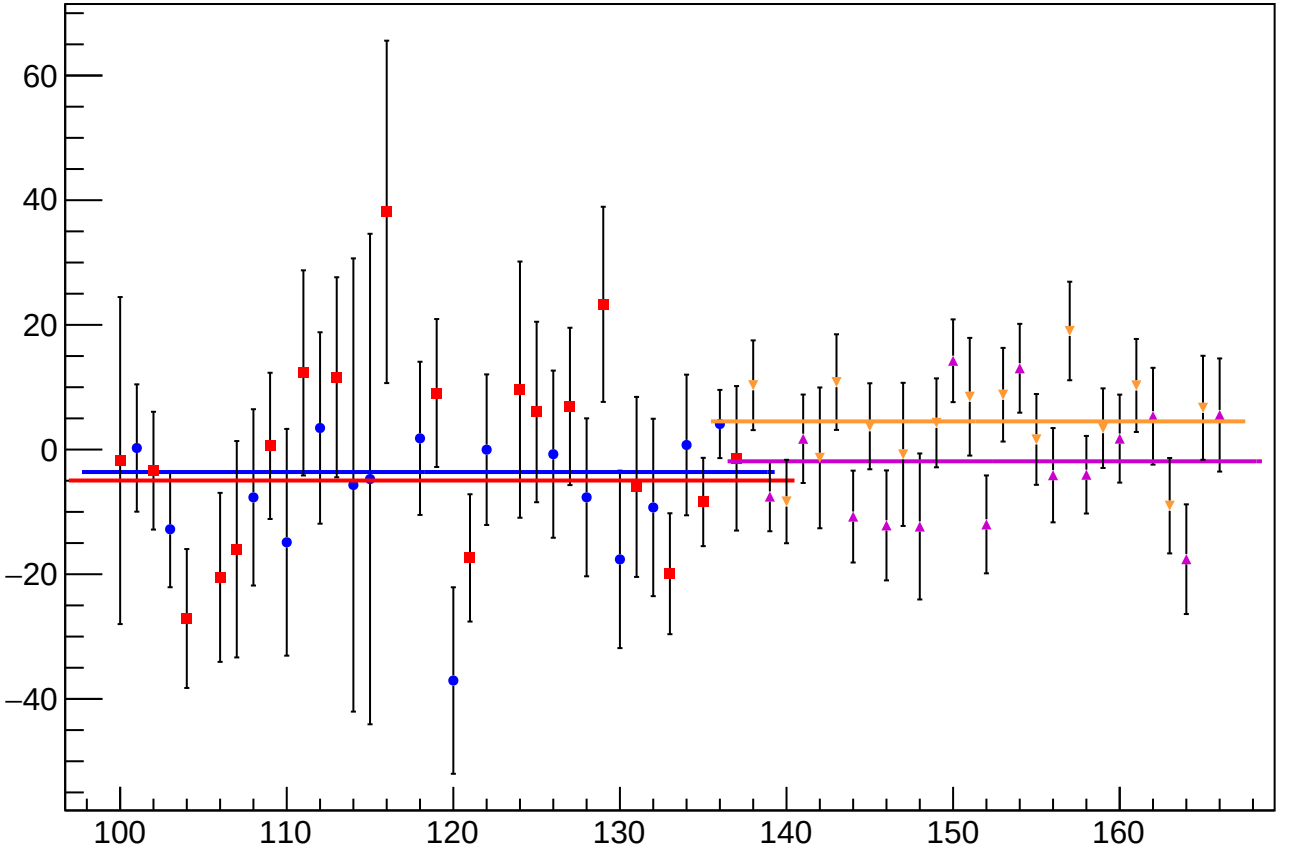
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9933.845+/-1.676 χ^2/NDF:2176673.7/29

Out: 9933.304+/-1.660 χ^2/NDF:2549964.8/33

All: 9933.572+/-1.179 χ^2/NDF: 4726638.6/63

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.519+/-1.990 χ^2/NDF:13.3/14

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.884+/-1.983 χ^2/NDF:22.0/13

Left: 1.306+/-1.405 χ^2/NDF: 40.6/28

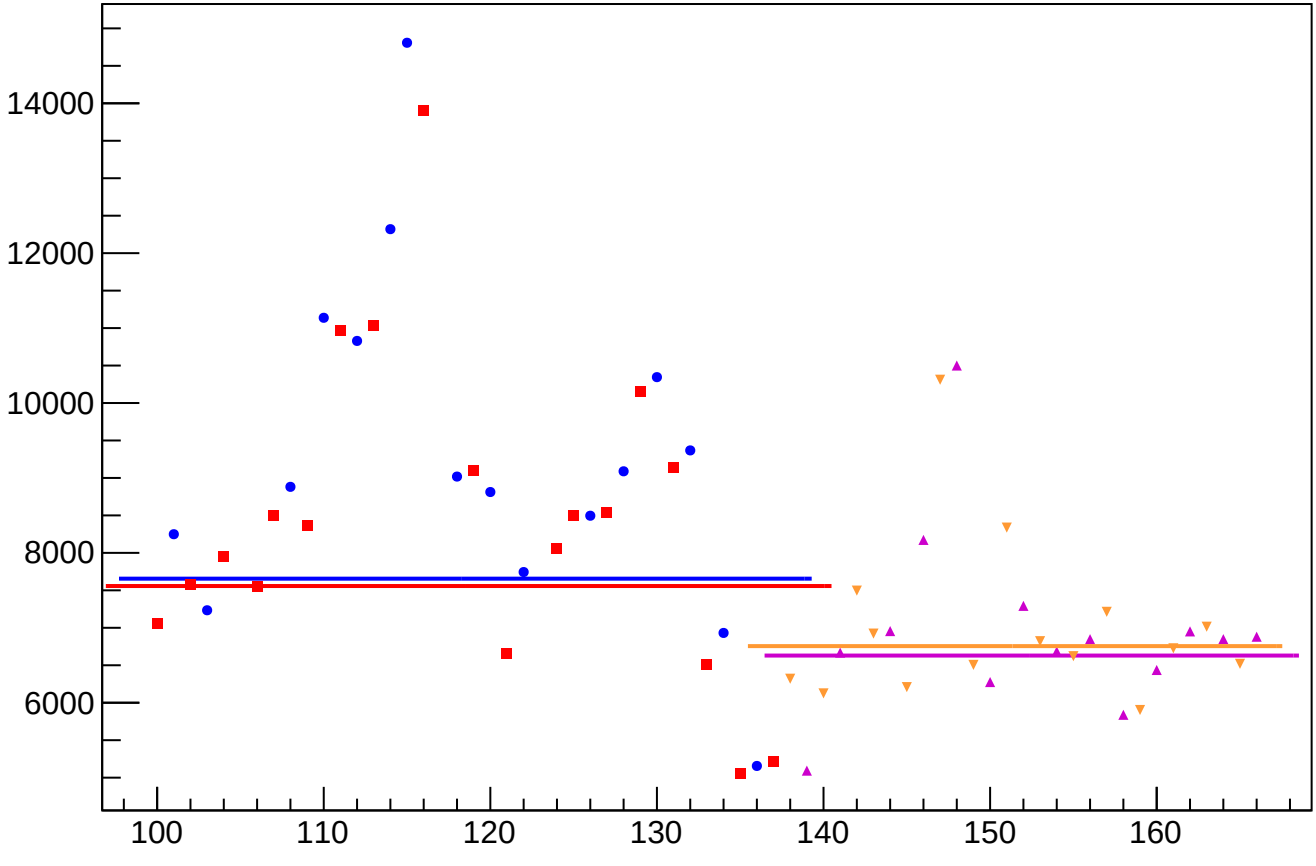
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.422+/-1.644 χ^2/NDF:32.8/29

Out: 1.418+/-1.633 χ^2/NDF:42.2/33

All: -0.489+/-1.158 χ^2/NDF: 77.7/63

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6755.492+/-1.407 χ^2/NDF:344741.9/14

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6629.504+/-1.402 χ^2/NDF:497482.2/13

Left: 6692.275+/-0.993 χ^2/NDF: 846246.5/28

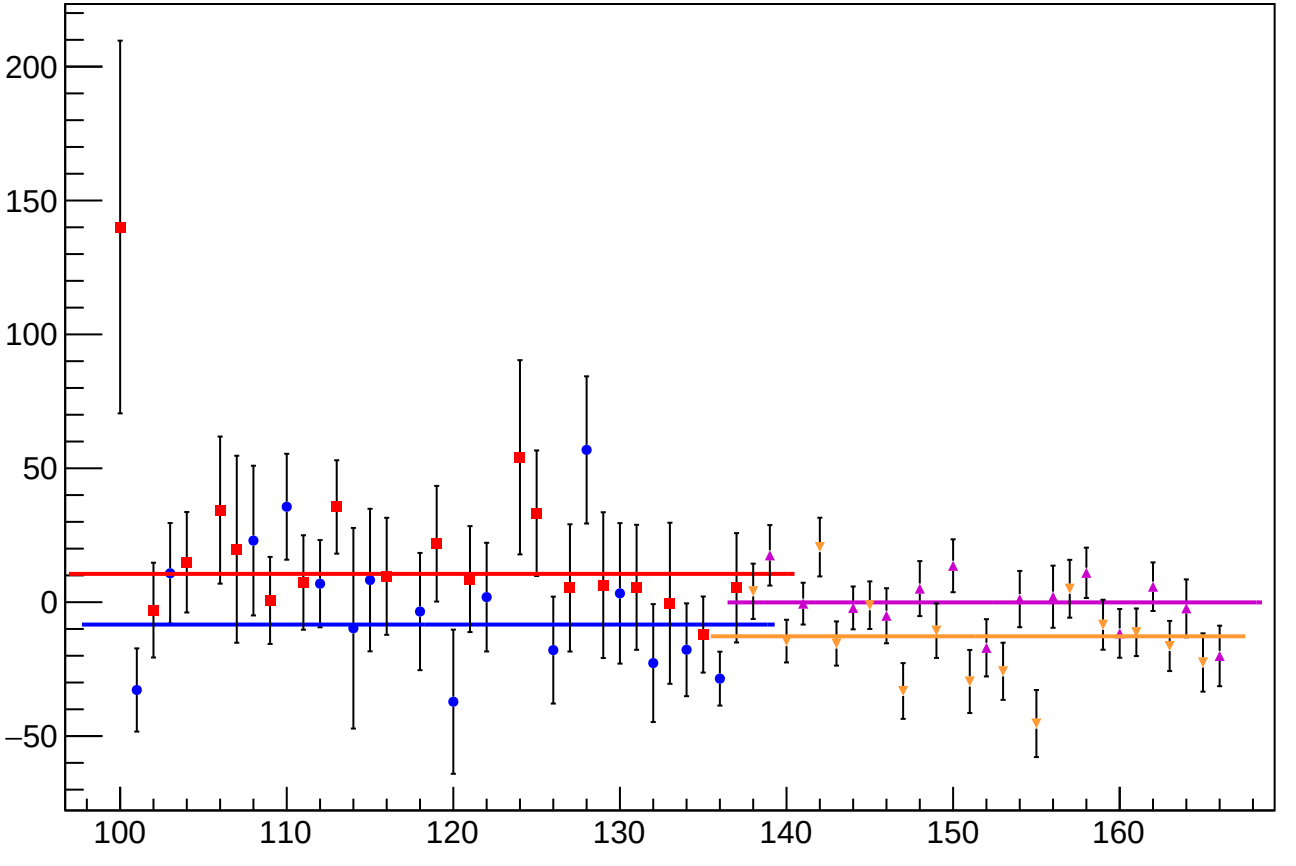
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6950.435+/-1.162 χ^2/NDF:1544781.3/29

Out: 7017.682+/-1.154 χ^2/NDF:1260798.7/33

All: 6984.291+/-0.819 χ^2/NDF: 2807264.8/63

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.742+/-2.543 χ^2/NDF:31.9/14

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: -0.078+/-2.615 χ^2/NDF:14.0/13

Left: -6.586+/-1.823 χ^2/NDF: 58.0/28

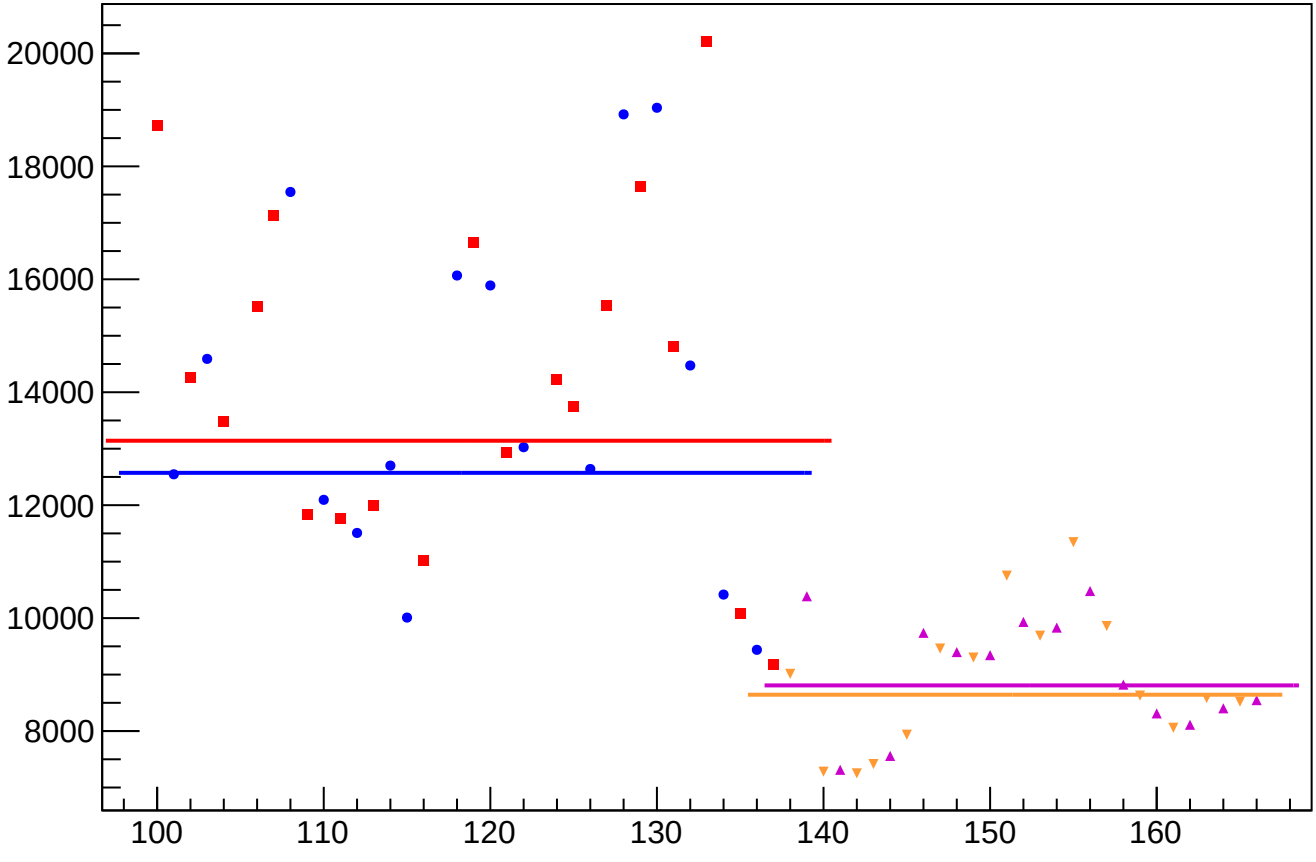
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.963+/-2.298 χ^2/NDF:39.6/29

Out: -7.811+/-2.258 χ^2/NDF:62.6/33

All: -4.938+/-1.611 χ^2/NDF: 105.4/63

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8643.445+/-1.798 χ^2/NDF:381796.7/14

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8808.365+/-1.849 χ^2/NDF:294181.5/13

Left: 8723.614+/-1.289 χ^2/NDF: 680066.3/28

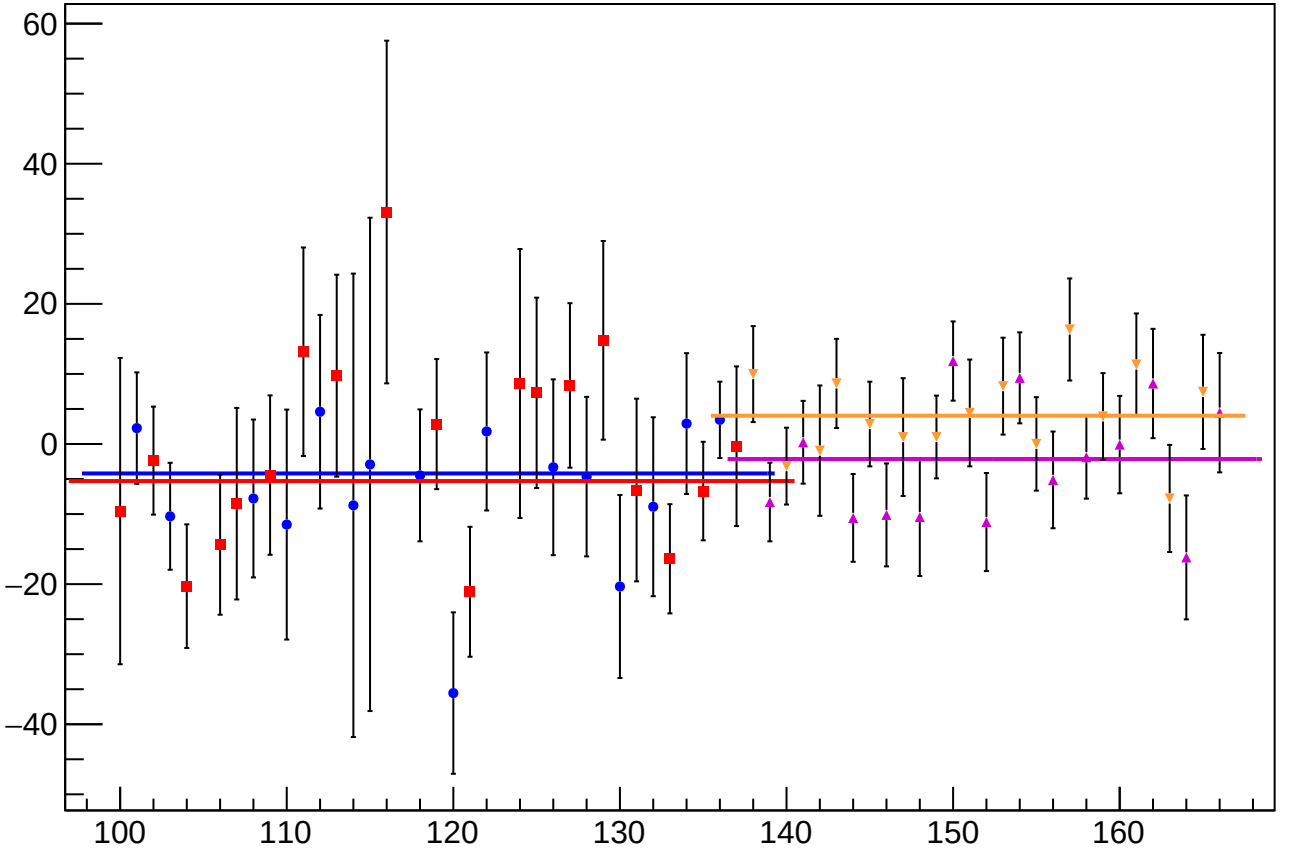
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9666.062+/-1.625 χ^2/NDF:1903514.4/29

Out: 9594.659+/-1.597 χ^2/NDF:2239386.2/33

All: 9629.743+/-1.139 χ^2/NDF: 4143882.9/63

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.040+/-1.775 χ^2/NDF:10.9/14

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.145+/-1.805 χ^2/NDF:21.6/13

Left: 1.000+/-1.265 χ^2/NDF: 38.4/28

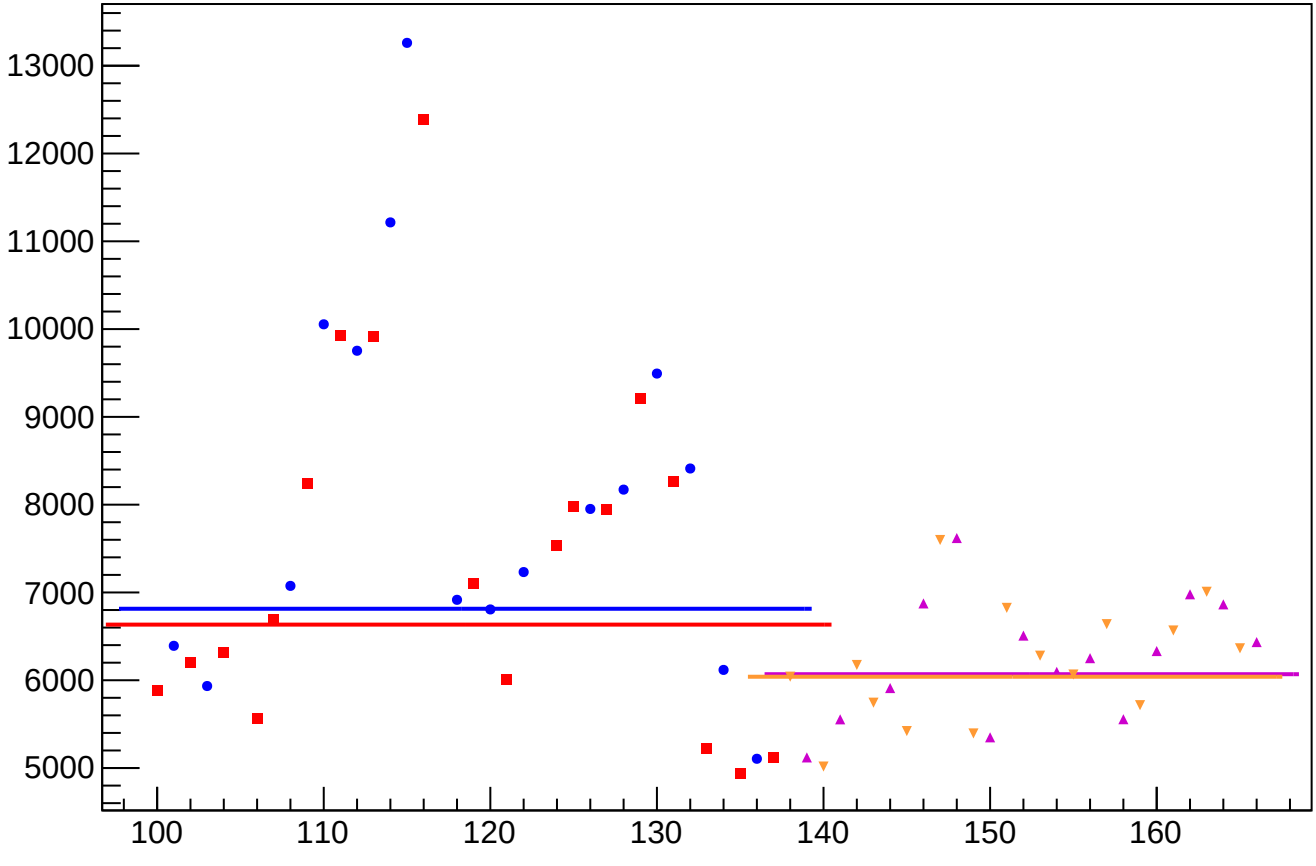
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -2.814+/-1.483 χ^2/NDF:35.8/29

Out: 0.918+/-1.447 χ^2/NDF:39.9/33

All: -0.903+/-1.036 χ^2/NDF: 78.9/63

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6039.986+/-1.255 χ^2/NDF:276111.0/14

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6068.811+/-1.276 χ^2/NDF:272052.5/13

Left: 6054.156+/-0.895 χ^2/NDF: 548422.9/28

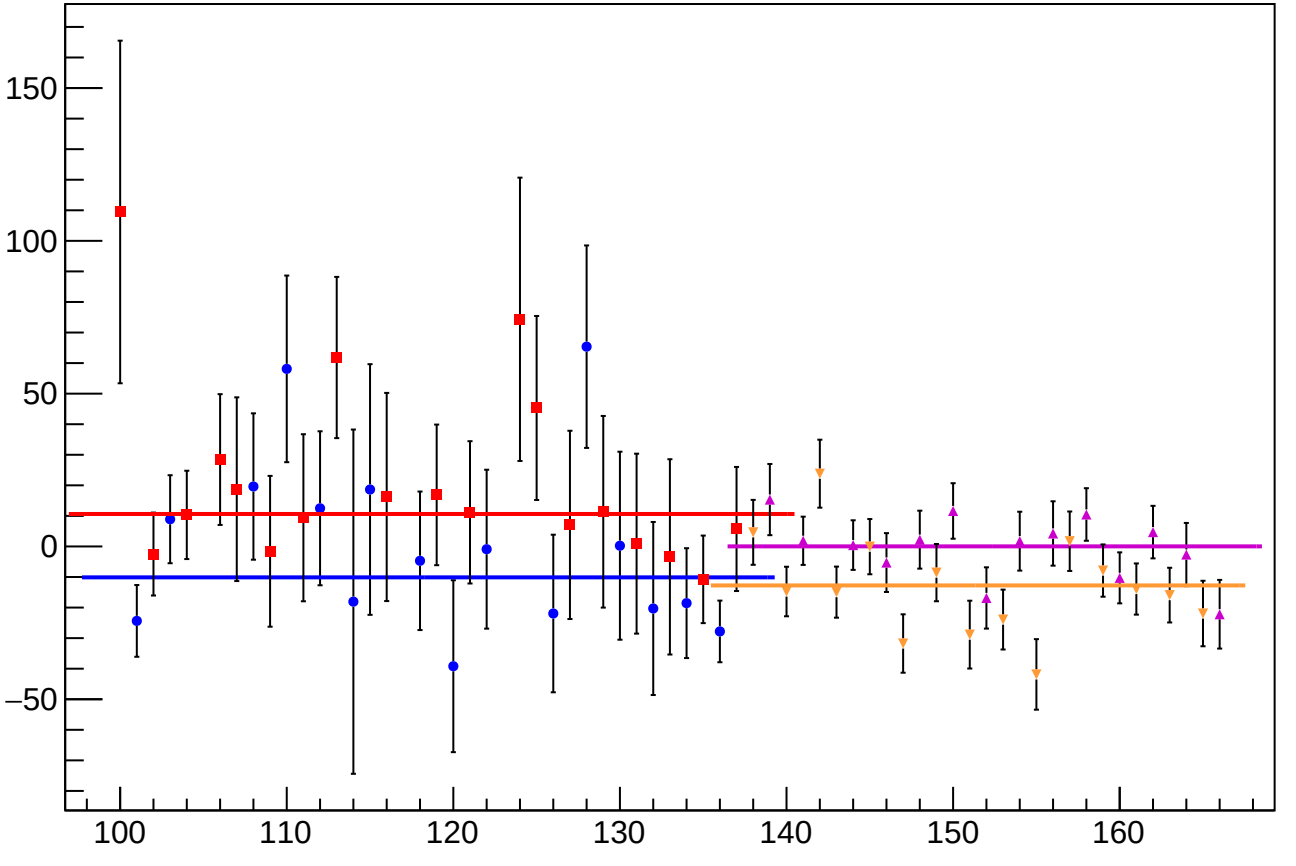
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6311.128+/-1.048 χ^2/NDF:1057088.4/29

Out: 6238.683+/-1.023 χ^2/NDF:1114385.2/33

All: 6274.037+/-0.732 χ^2/NDF: 2173918.6/63

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.753+/-2.449 χ^2/NDF:32.9/14

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.027+/-2.492 χ^2/NDF:14.1/13

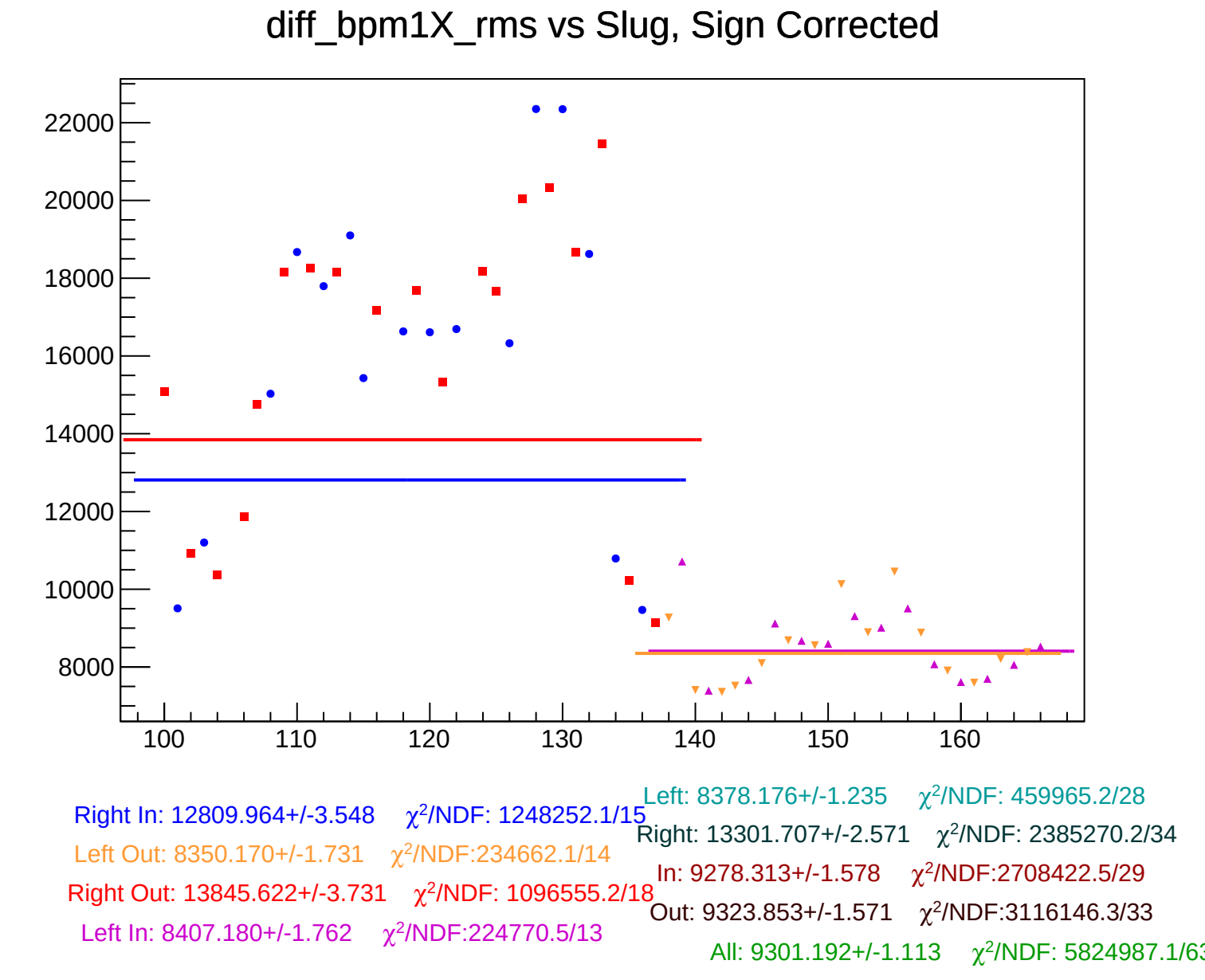
Left: -6.475+/-1.746 χ^2/NDF: 60.4/28

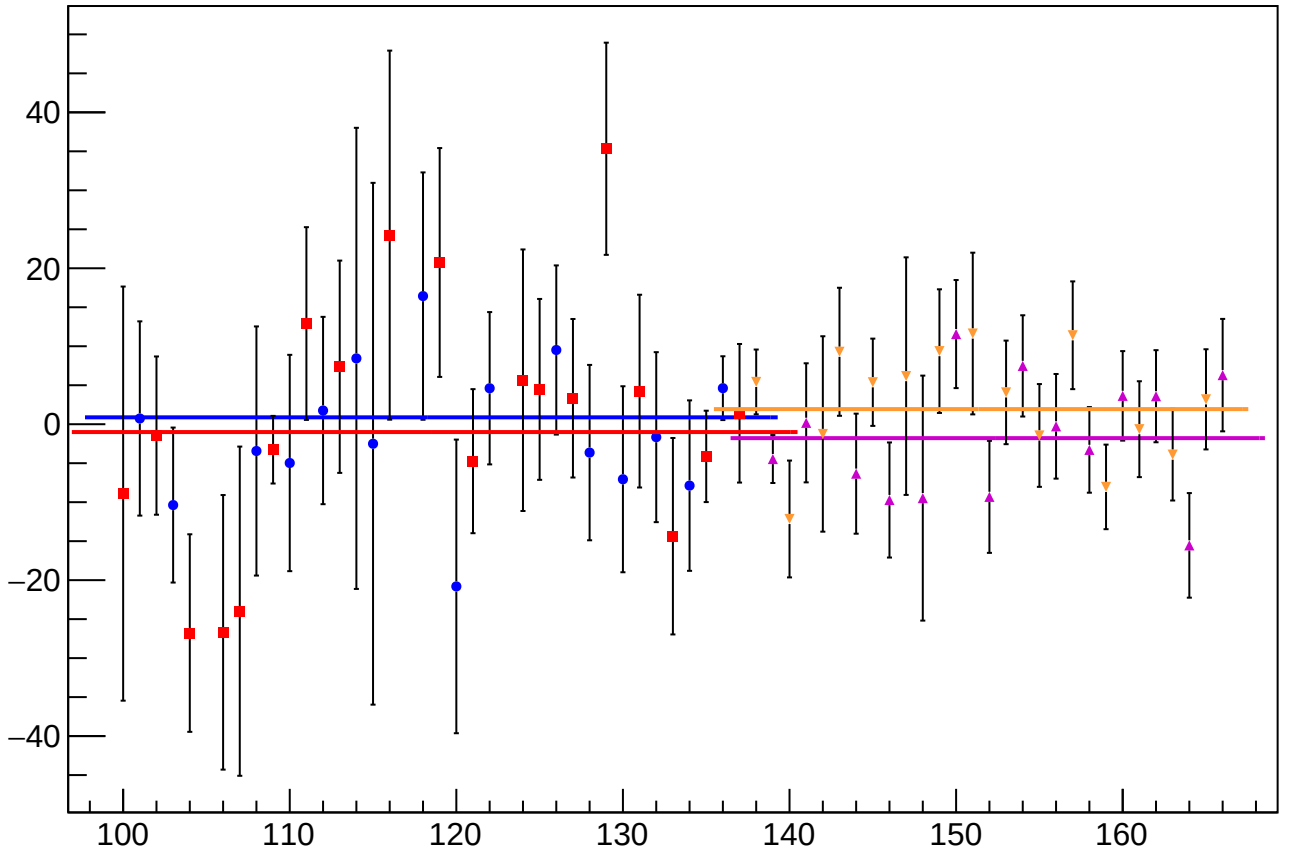
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.979+/-2.232 χ^2/NDF:38.6/29

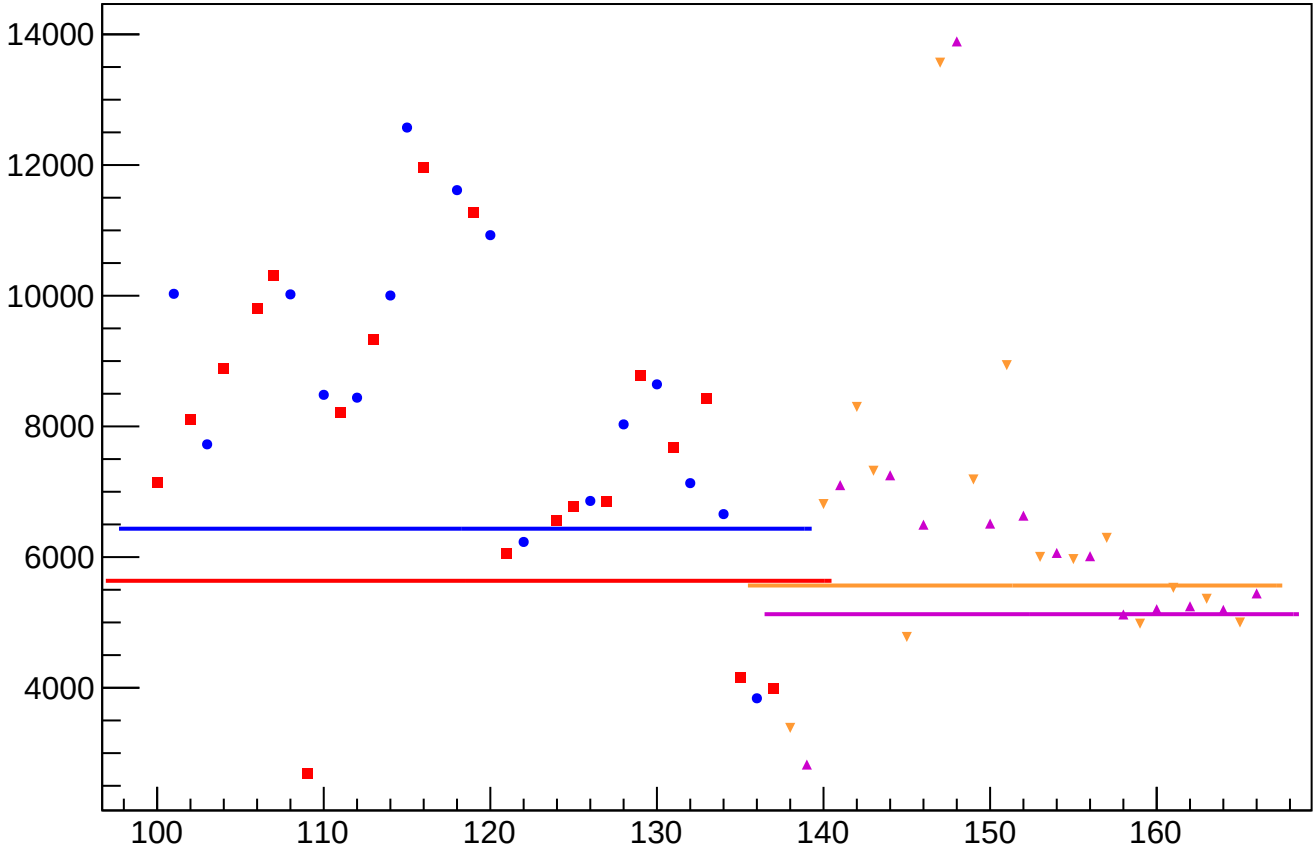
Out: -8.611+/-2.221 χ^2/NDF:63.8/33

All: -5.311+/-1.574 χ^2/NDF: 106.9/63


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8350.170+/-1.731 χ²/NDF:234662.1/14
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8407.180+/-1.762 χ²/NDF:224770.5/13
Left: 8378.176+/-1.235 χ²/NDF: 459965.2/28
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9278.313+/-1.578 χ²/NDF:2708422.5/29
Out: 9323.853+/-1.571 χ²/NDF:3116146.3/33
All: 9301.192+/-1.113 χ²/NDF: 5824987.1/63


diff_bpm1Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 0.882+/-2.566 χ²/NDF: 6.8/15
Left Out: 1.937+/-1.719 χ²/NDF:14.1/14
Right Out: -1.006+/-2.314 χ²/NDF: 22.3/18
Left In: -1.785+/-1.618 χ²/NDF:16.7/13
Left: -0.037+/-1.178 χ²/NDF: 33.4/28
Right: -0.159+/-1.718 χ²/NDF: 29.4/34
In: -1.027+/-1.368 χ²/NDF:24.3/29
Out: 0.891+/-1.380 χ²/NDF:37.5/33
All: -0.076+/-0.972 χ²/NDF: 62.8/63

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5565.208+/-1.215 χ^2/NDF:1758213.1/14

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5126.240+/-1.144 χ^2/NDF:2349650.7/13

Left: 5332.465+/-0.833 χ^2/NDF: 4177045.9/28

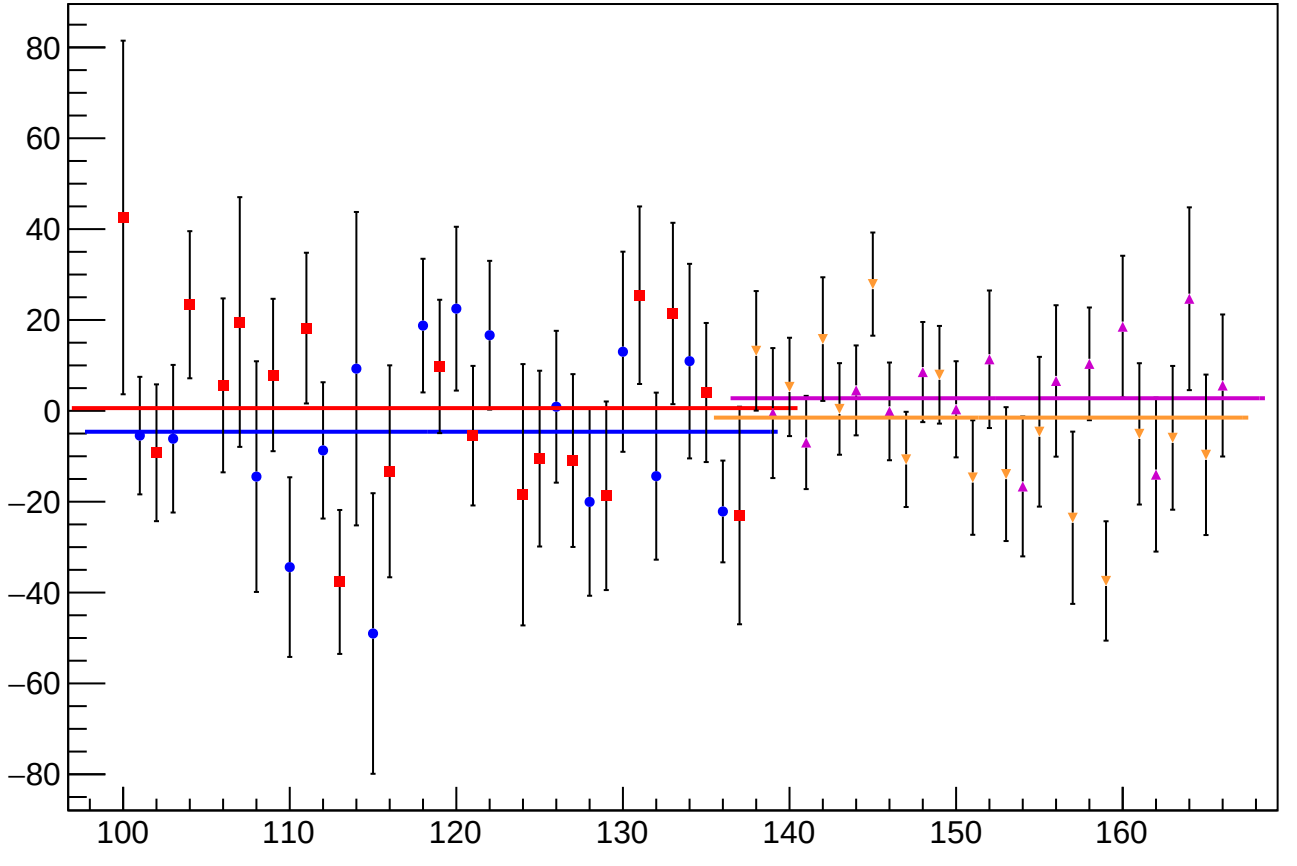
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5498.334+/-0.968 χ^2/NDF:4472296.8/29

Out: 5590.854+/-0.976 χ^2/NDF:4339479.4/33

All: 5544.217+/-0.687 χ^2/NDF: 8816309.8/63

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.489+/-3.342 χ^2/NDF:22.6/14

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.774+/-3.466 χ^2/NDF:6.9/13

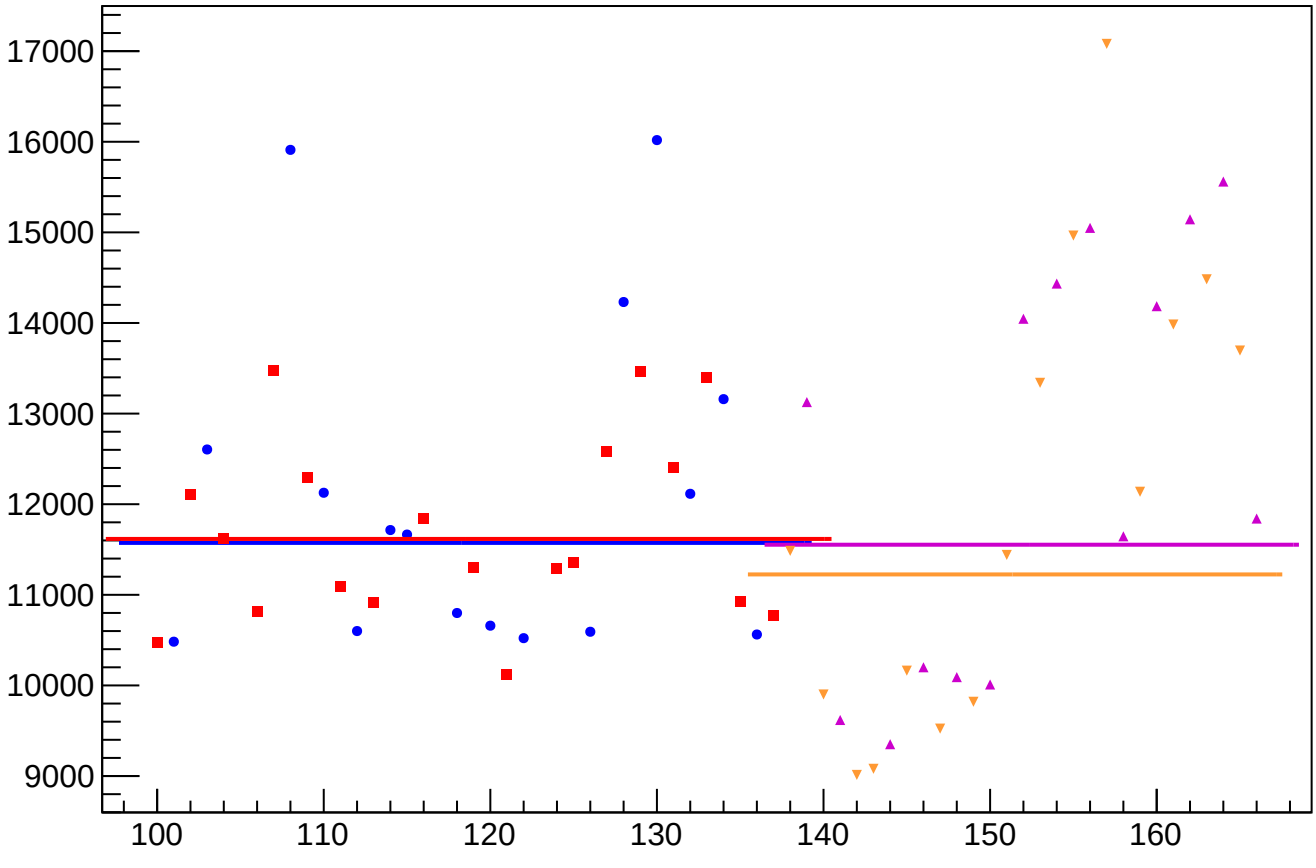
Left: 0.564+/-2.406 χ^2/NDF: 30.3/28

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.086+/-2.712 χ^2/NDF:24.5/29

Out: -0.695+/-2.631 χ^2/NDF:40.6/33

All: -0.400+/-1.888 χ^2/NDF: 65.1/63



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11225.107+/-2.363 χ^2/NDF:810562.8/14

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11552.867+/-2.451 χ^2/NDF:742858.6/13

Left: 11382.986+/-1.701 χ^2/NDF: 1562690.1/28

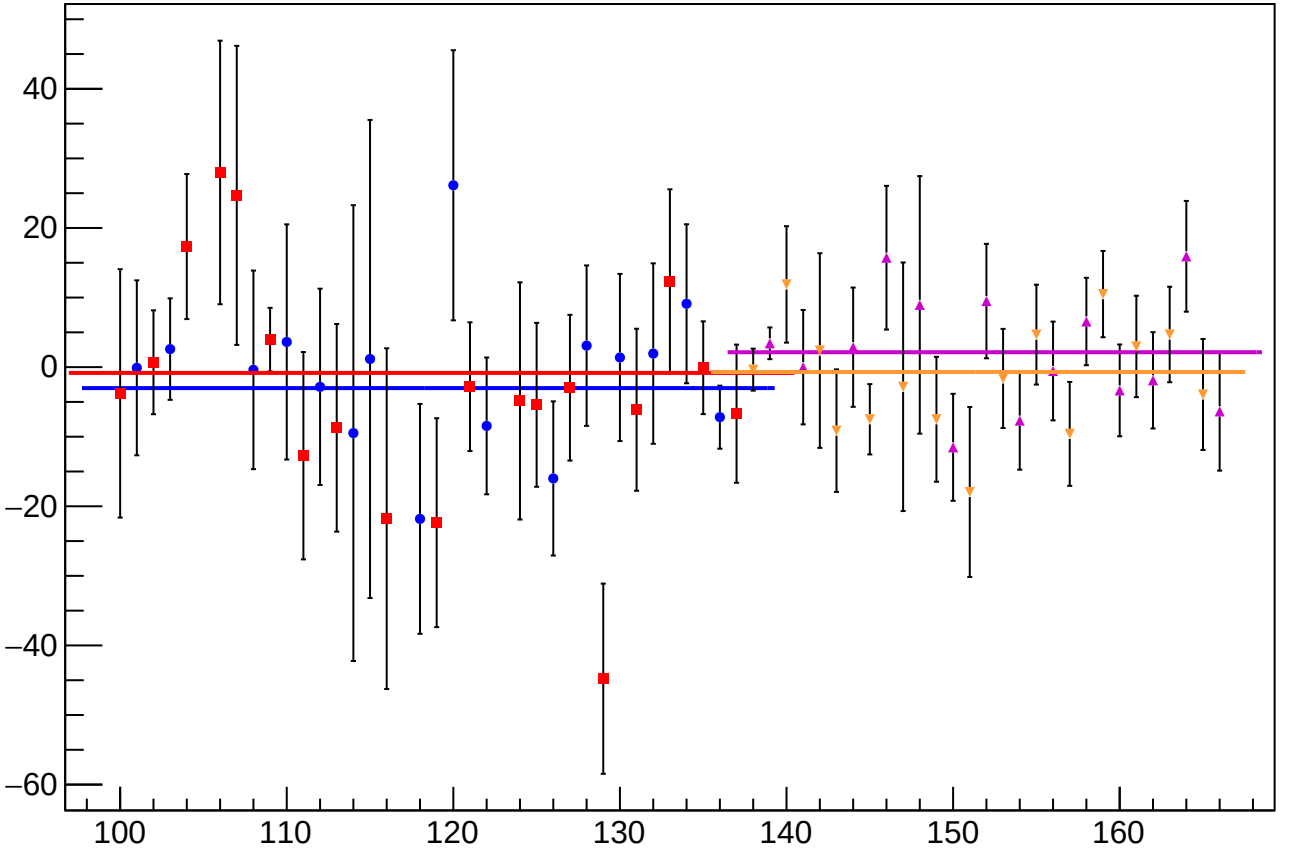
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11560.703+/-1.918 χ^2/NDF:1002951.9/29

Out: 11374.015+/-1.860 χ^2/NDF:914175.0/33

All: 11464.520+/-1.335 χ^2/NDF: 1922009.8/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.695+/-1.709 χ^2/NDF:13.9/14

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.143+/-1.574 χ^2/NDF:13.8/13

Left: 0.840+/-1.158 χ^2/NDF: 29.2/28

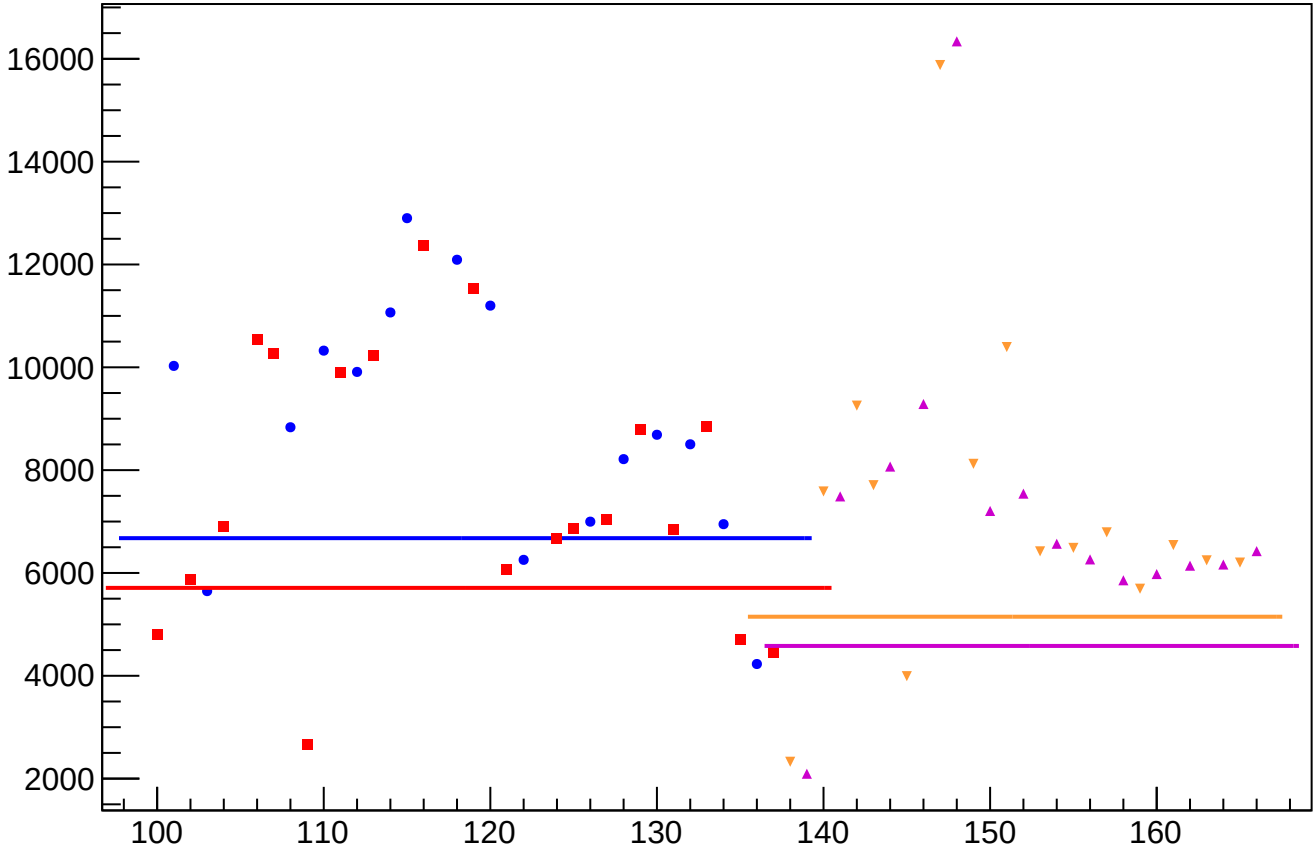
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.800+/-1.354 χ^2/NDF:25.3/29

Out: -0.742+/-1.383 χ^2/NDF:37.7/33

All: 0.045+/-0.967 χ^2/NDF: 63.7/63

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5148.964+/-1.209 χ^2/NDF:4077845.5/14

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4580.667+/-1.113 χ^2/NDF:5391736.8/13

Left: 4841.529+/-0.819 χ^2/NDF: 9589210.8/28

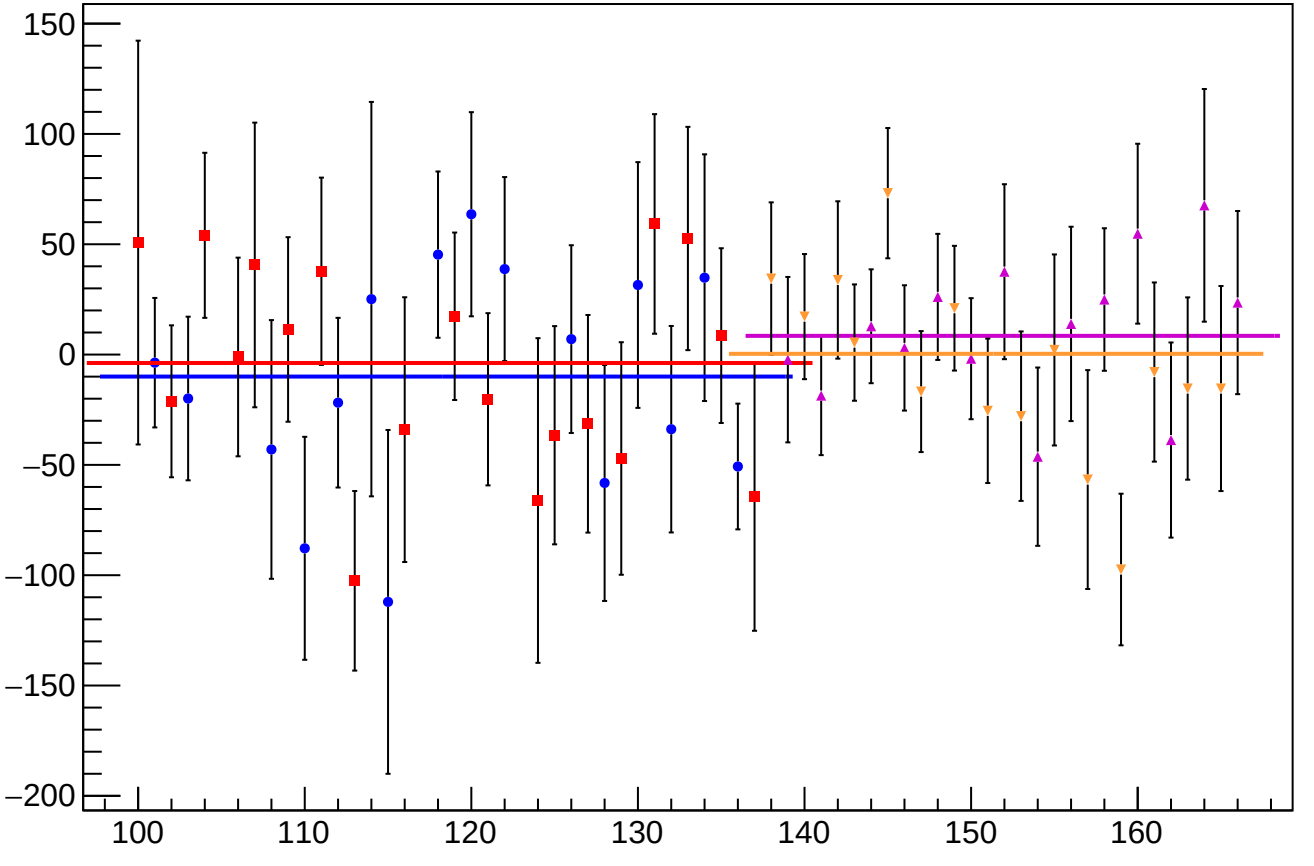
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5126.296+/-0.957 χ^2/NDF:7887574.8/29

Out: 5342.814+/-0.978 χ^2/NDF:6453328.4/33

All: 5232.300+/-0.684 χ^2/NDF: 14365941.2/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.485+/-9.070 χ^2/NDF:8.1/13

Left: 4.261+/-6.294 χ^2/NDF: 28.7/28

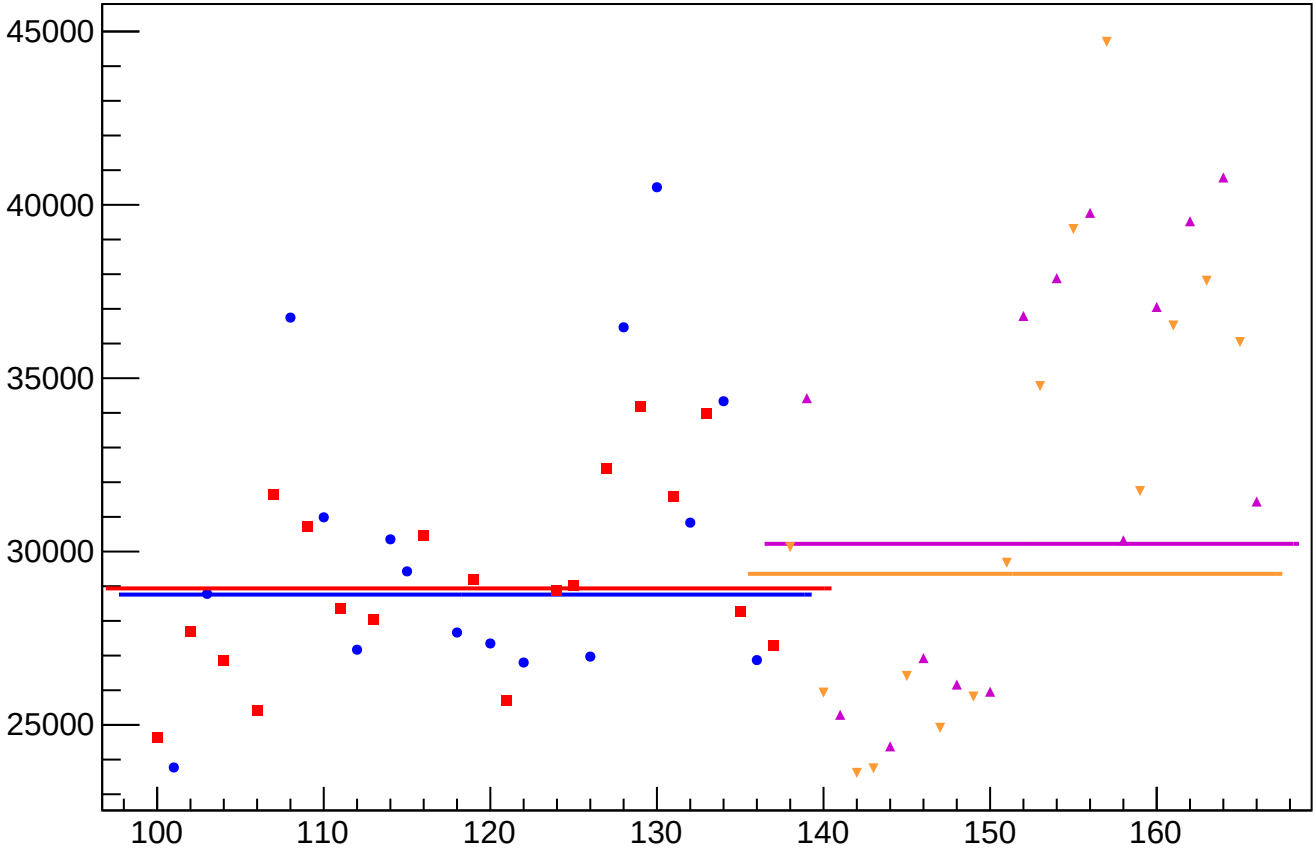
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.882+/-6.955 χ^2/NDF:25.2/29

Out: -1.335+/-6.753 χ^2/NDF:37.5/33

All: -0.259+/-4.845 χ^2/NDF: 62.7/63

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30223.044+/-6.414 χ^2/NDF:757601.8/13

Left: 29774.258+/-4.450 χ^2/NDF: 1577302.7/28

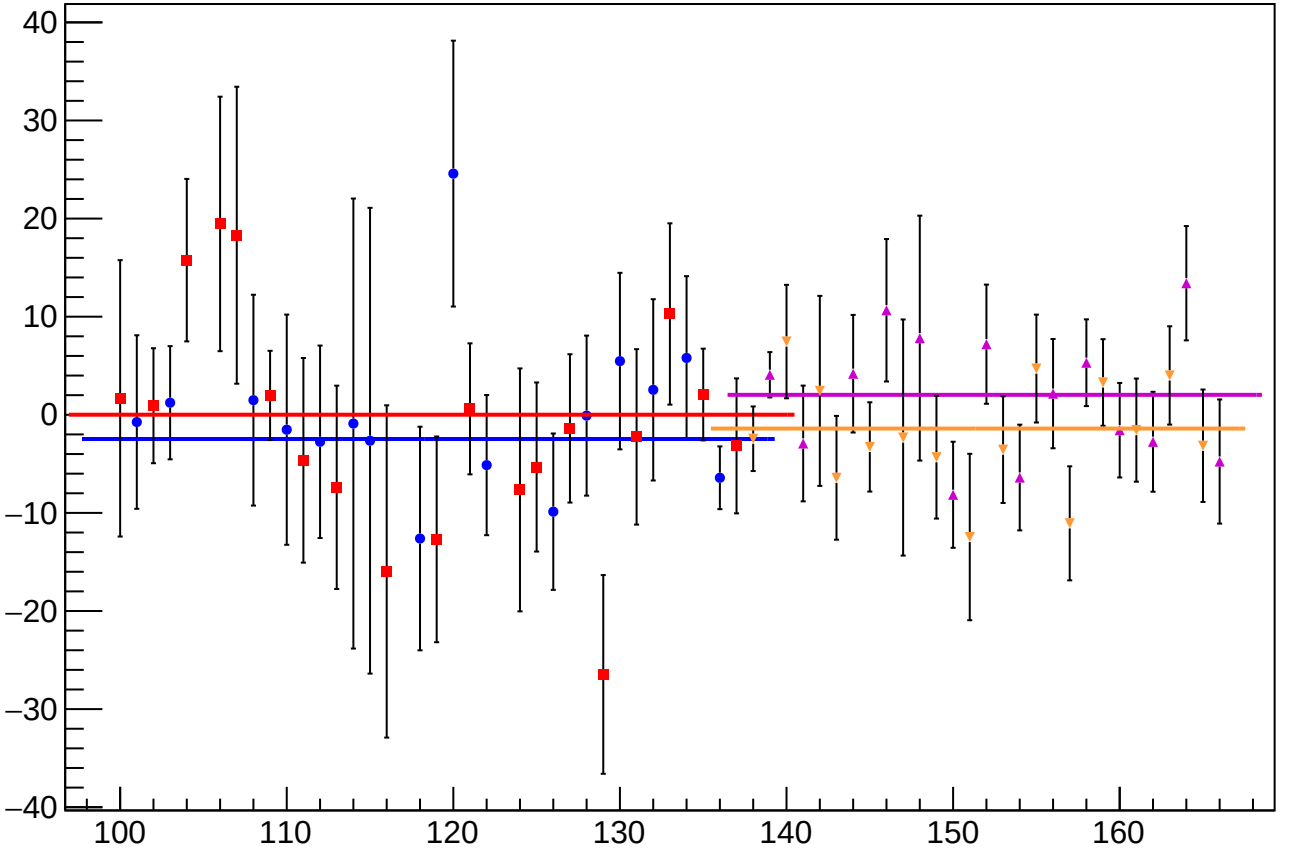
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29619.915+/-4.918 χ^2/NDF:1056705.8/29

Out: 29188.275+/-4.775 χ^2/NDF:918385.0/33

All: 29397.719+/-3.426 χ^2/NDF: 1979055.7/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.402+/-1.405 χ^2/NDF:11.9/14

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.034+/-1.308 χ^2/NDF:16.9/13

Left: 0.439+/-0.957 χ^2/NDF: 32.0/28

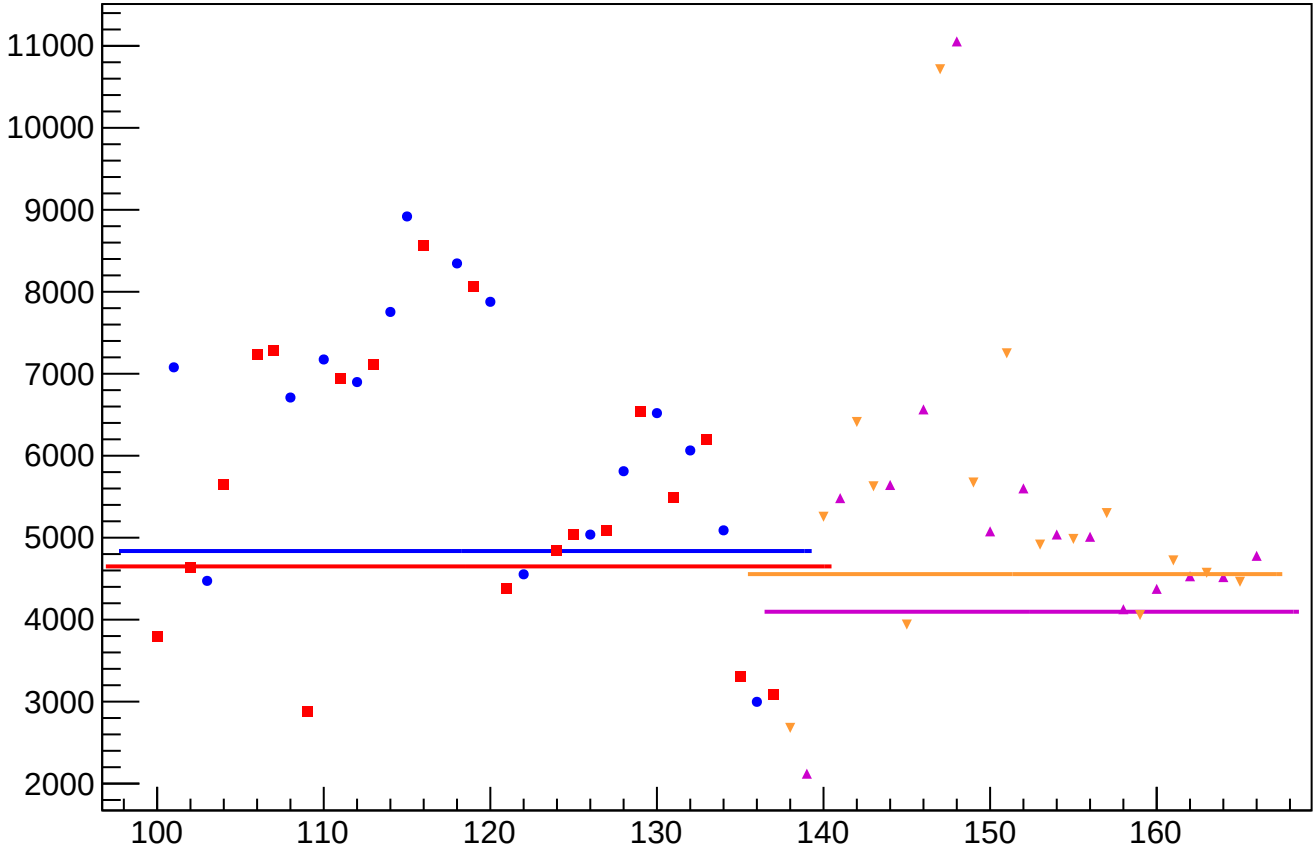
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.603+/-1.080 χ^2/NDF:30.7/29

Out: -0.878+/-1.114 χ^2/NDF:32.2/33

All: -0.115+/-0.775 χ^2/NDF: 63.9/63

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4555.644+/-0.993 χ^2/NDF:1717390.5/14

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4096.505+/-0.925 χ^2/NDF:2919400.2/13

Left: 4309.691+/-0.677 χ^2/NDF: 4751281.5/28

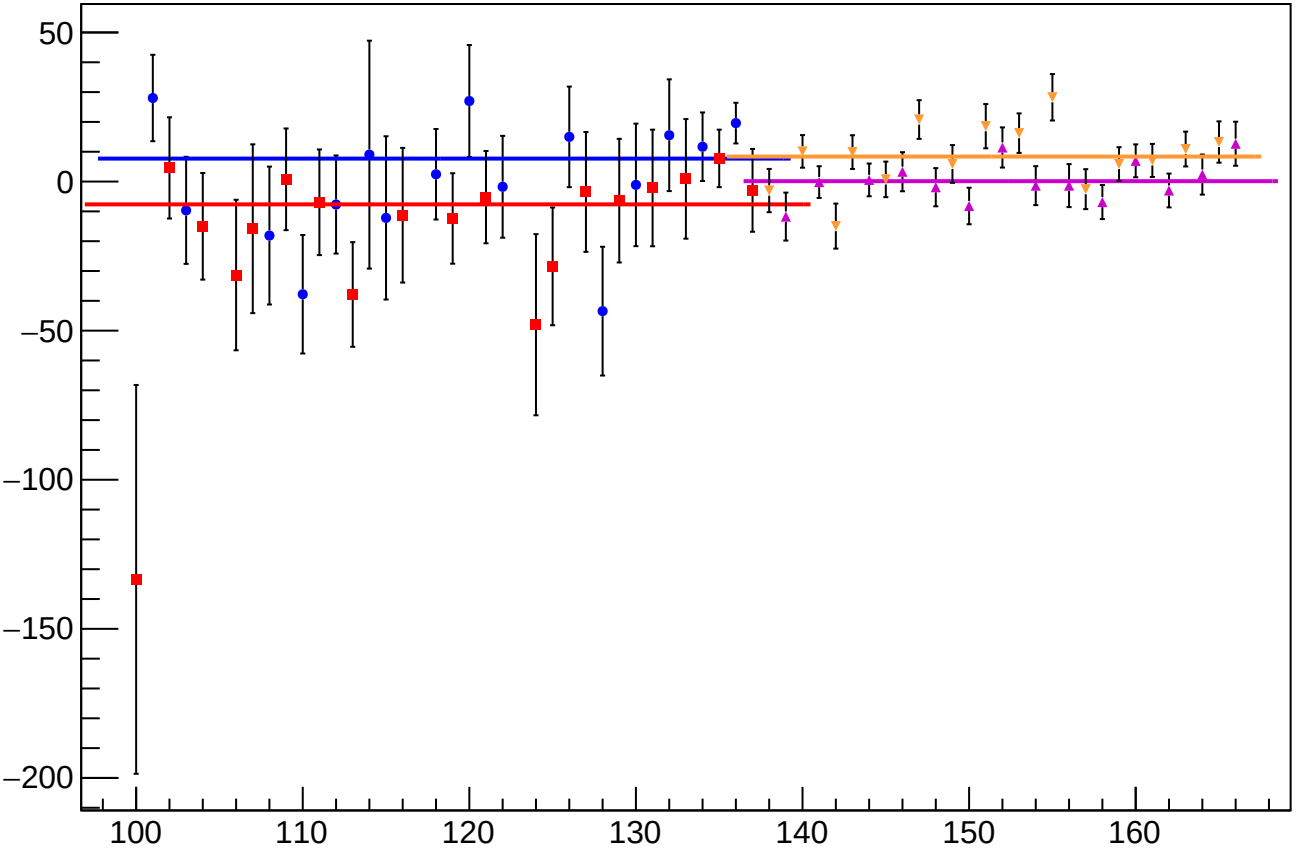
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4331.924+/-0.764 χ^2/NDF:4671122.9/29

Out: 4590.522+/-0.788 χ^2/NDF:3155262.0/33

All: 4457.243+/-0.548 χ^2/NDF: 7881953.3/63

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.385+/-1.640 χ^2/NDF:31.1/14

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.128+/-1.671 χ^2/NDF:13.6/13

Left: 4.334+/-1.170 χ^2/NDF: 57.1/28

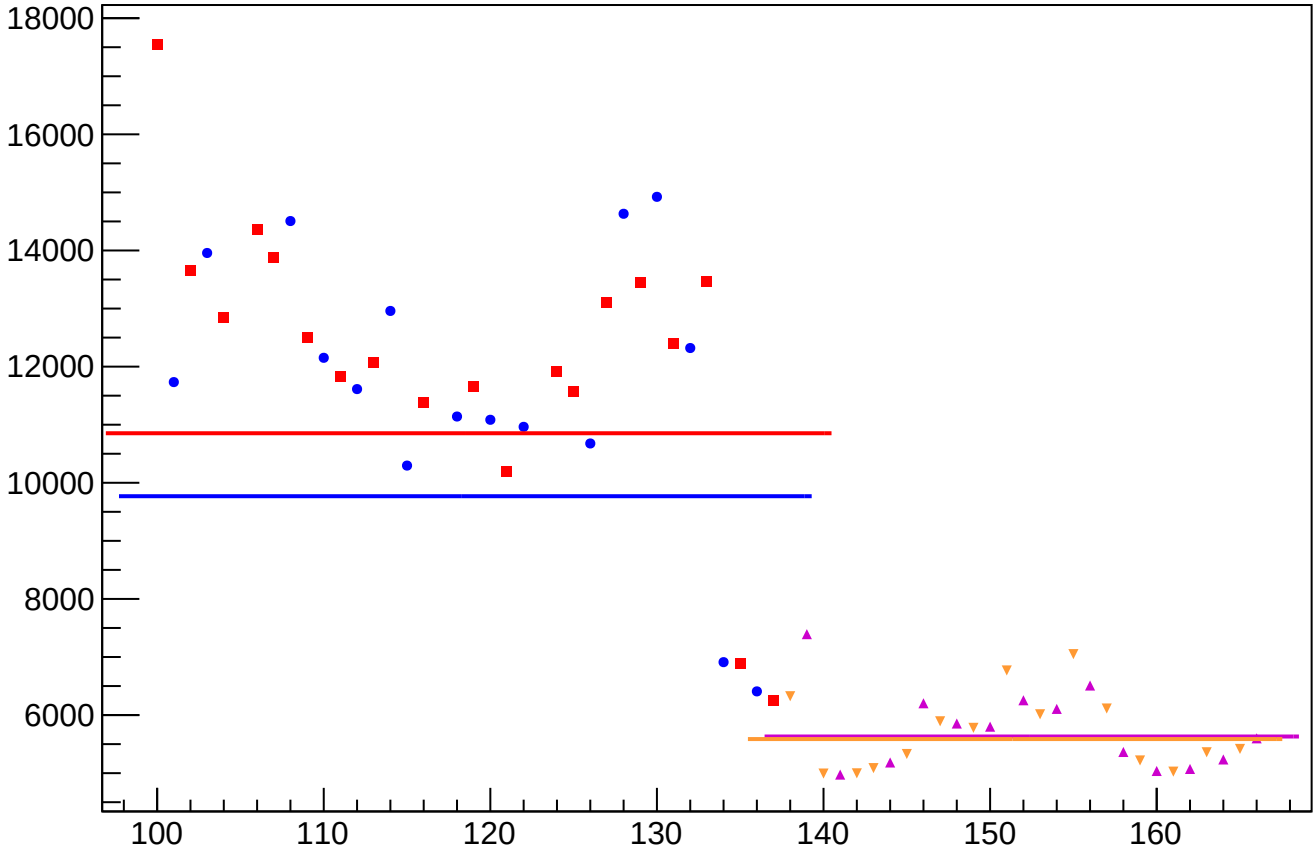
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.343+/-1.531 χ^2/NDF:38.5/29

Out: 6.173+/-1.522 χ^2/NDF:58.8/33

All: 3.772+/-1.079 χ^2/NDF: 102.4/63

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5587.110+/-1.159 χ^2/NDF:257370.0/14

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5631.128+/-1.181 χ^2/NDF:270457.5/13

Left: 5608.706+/-0.827 χ^2/NDF: 528534.7/28

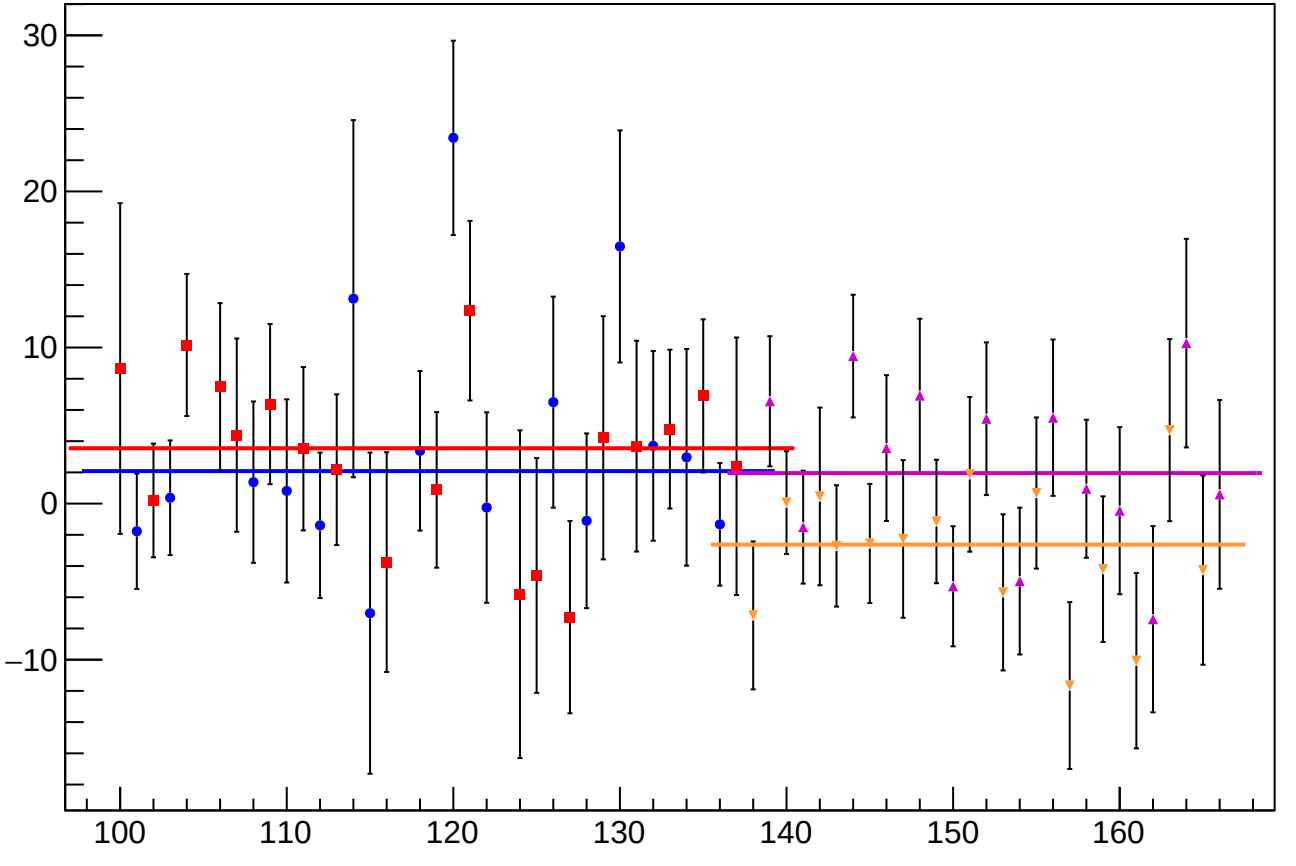
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6295.486+/-1.082 χ^2/NDF:3454075.2/29

Out: 6313.322+/-1.076 χ^2/NDF:3977131.0/33

All: 6304.453+/-0.763 χ^2/NDF: 7431342.7/63

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.628+/-1.197 χ^2/NDF:10.1/14

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 1.954+/-1.246 χ^2/NDF:18.0/13

Left: -0.429+/-0.863 χ^2/NDF: 35.1/28

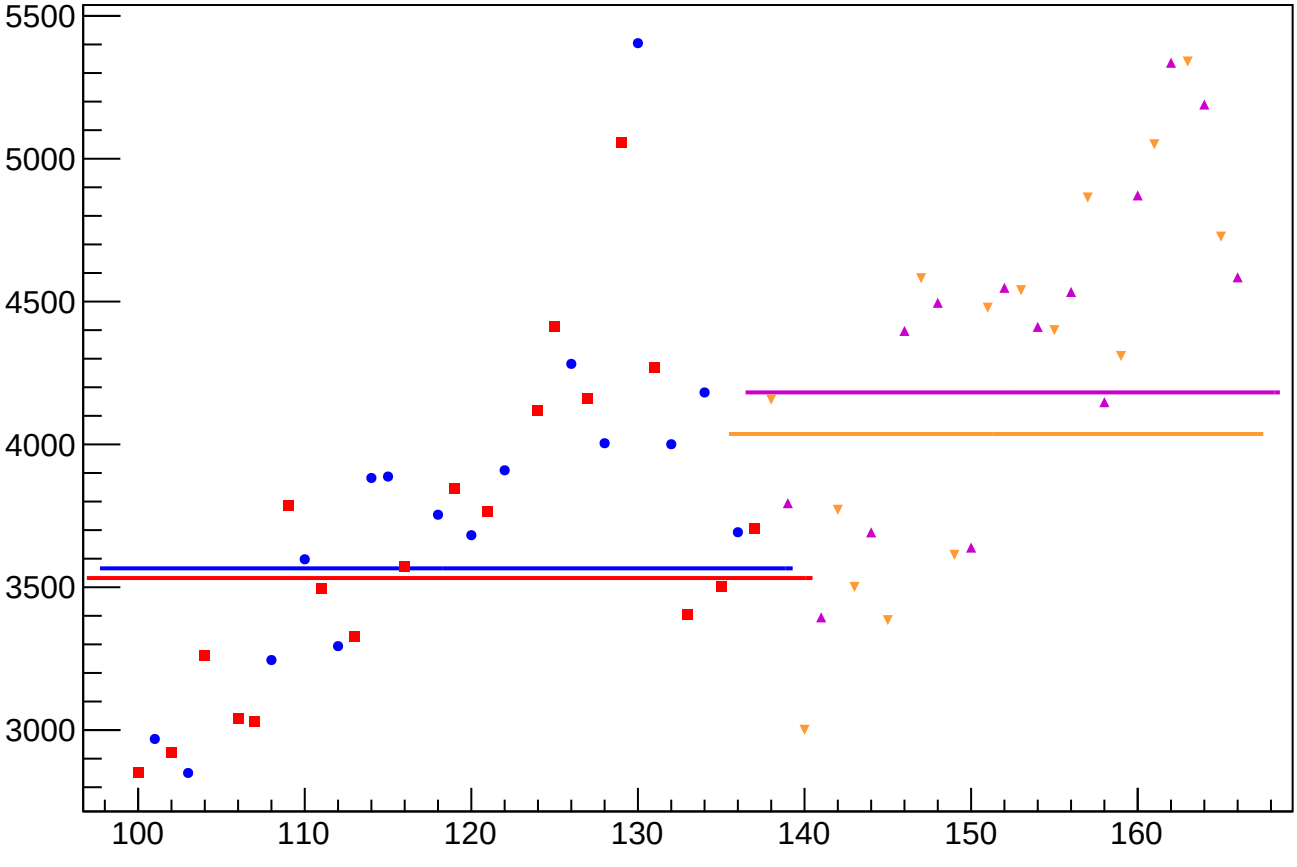
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.013+/-0.914 χ^2/NDF:38.9/29

Out: 0.195+/-0.882 χ^2/NDF:35.7/33

All: 1.071+/-0.635 χ^2/NDF: 76.6/63

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4036.581+/-0.846 χ^2/NDF:639490.5/14

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4182.073+/-0.881 χ^2/NDF:383654.4/13

Left: 4106.396+/-0.610 χ^2/NDF: 1037329.5/28

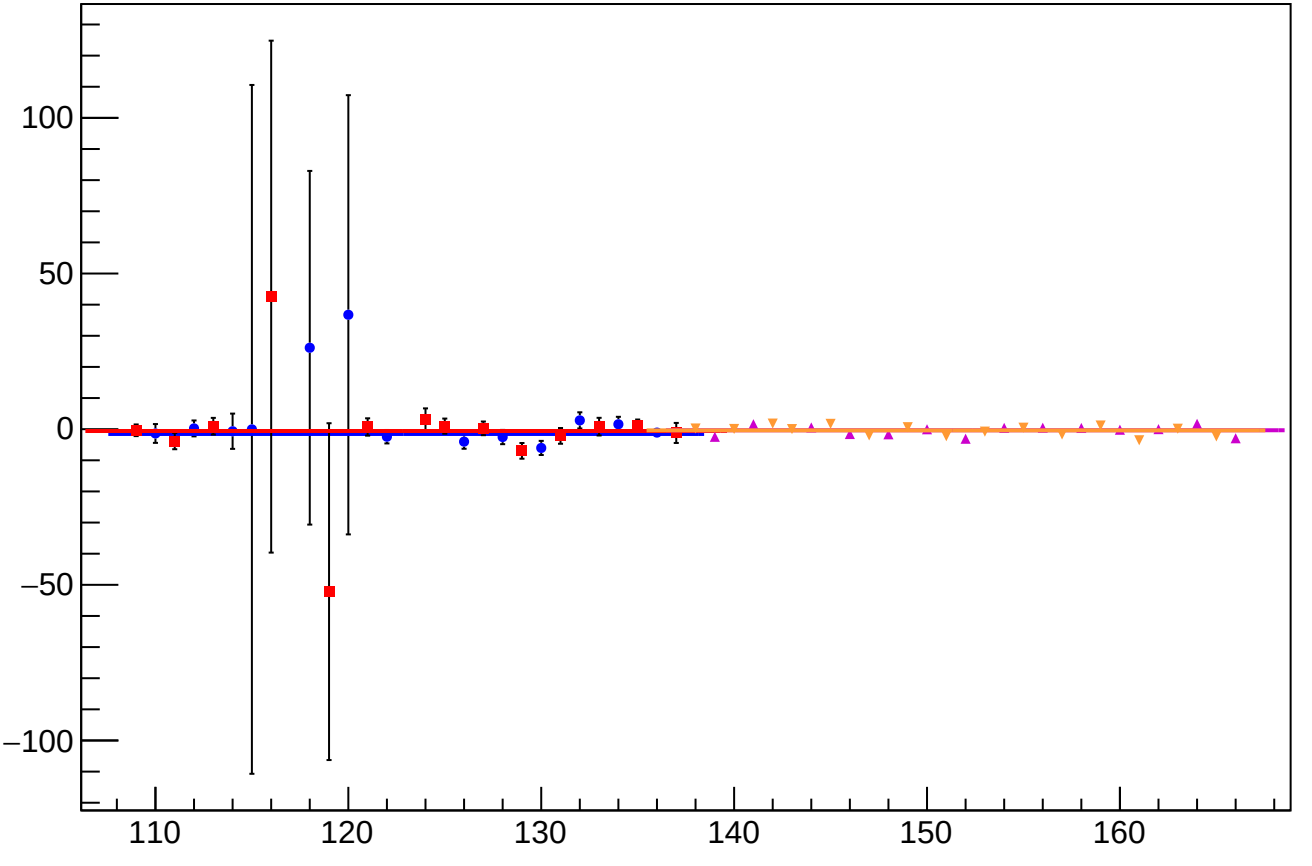
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3897.690+/-0.646 χ^2/NDF:950415.1/29

Out: 3806.012+/-0.624 χ^2/NDF:1080586.6/33

All: 3850.199+/-0.449 χ^2/NDF: 2041421.9/63

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.383+/-0.297 χ^2/NDF:26.1/14

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.346+/-0.300 χ^2/NDF:23.9/13

Left: -0.364+/-0.211 χ^2/NDF: 49.9/28

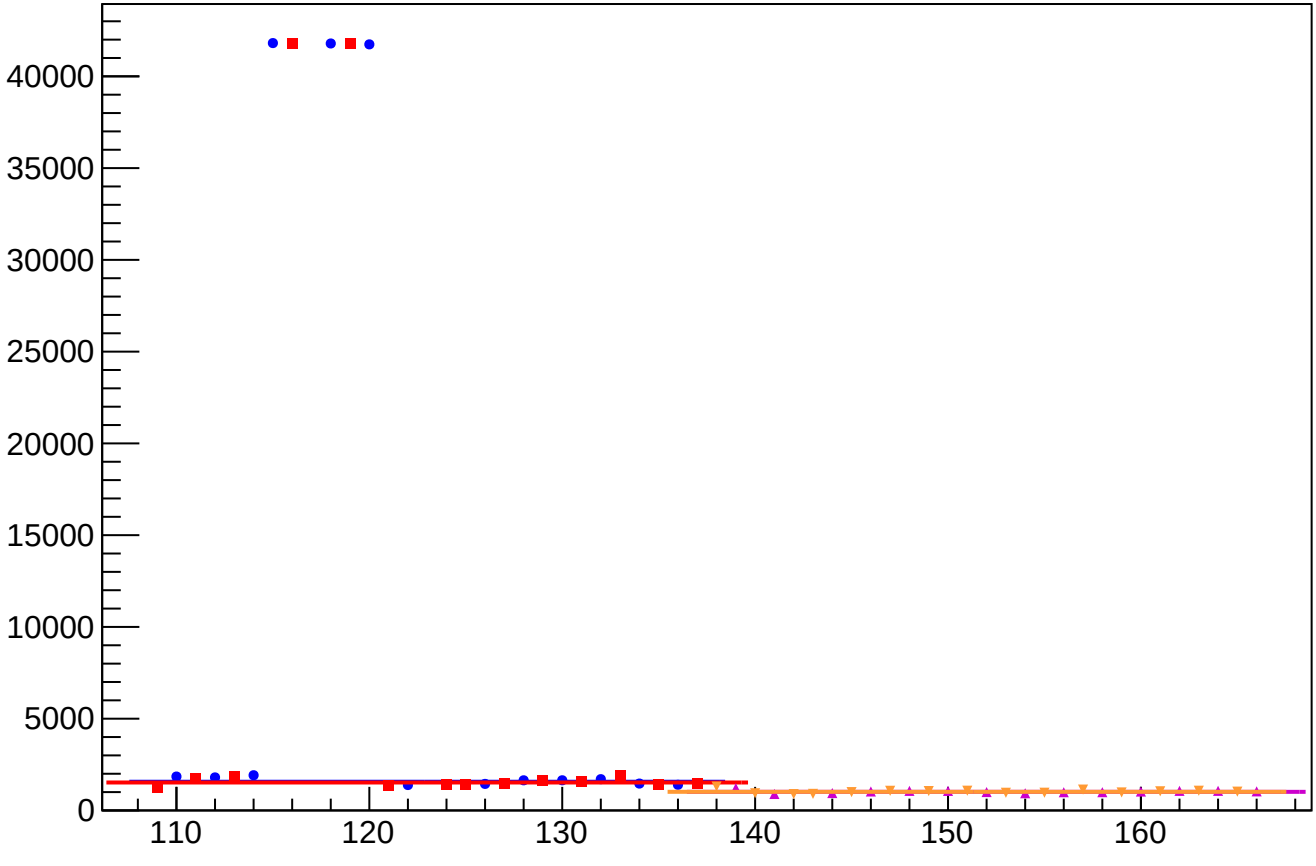
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.516+/-0.278 χ^2/NDF:37.2/26

Out: -0.413+/-0.275 χ^2/NDF:38.8/28

All: -0.464+/-0.195 χ^2/NDF: 76.1/55

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.655+/-0.210 χ^2/NDF:177346.8/14

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1014.043+/-0.212 χ^2/NDF:115110.5/13

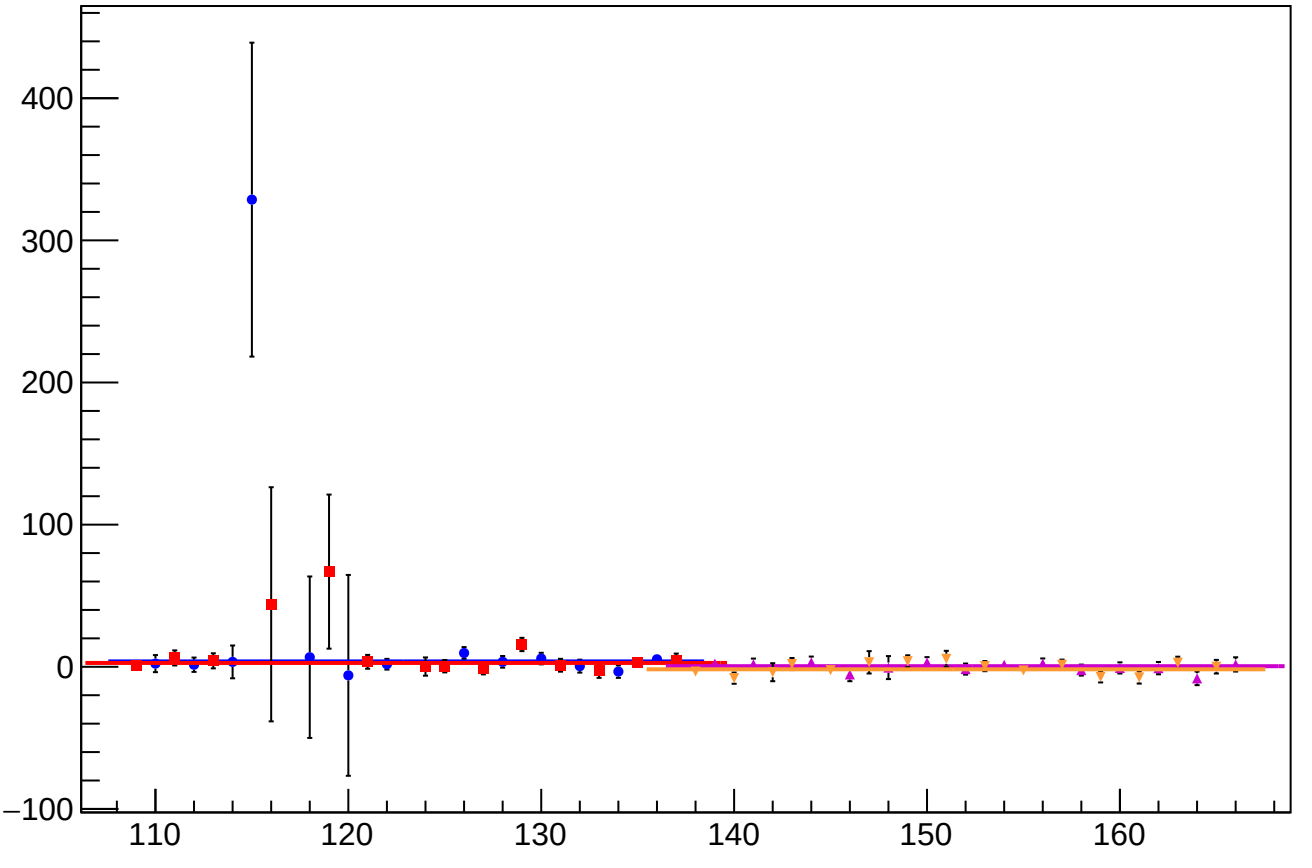
Left: 1014.856+/-0.149 χ^2/NDF: 292486.4/28

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1092.978+/-0.196 χ^2/NDF:3098278.7/26

Out: 1090.135+/-0.194 χ^2/NDF:2773629.0/28

All: 1091.541+/-0.138 χ^2/NDF: 5872013.7/55



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.770+/-0.994 χ^2/NDF:14.0/14

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.421+/-1.015 χ^2/NDF:7.8/13

Left: -0.698+/-0.710 χ^2/NDF: 24.3/28

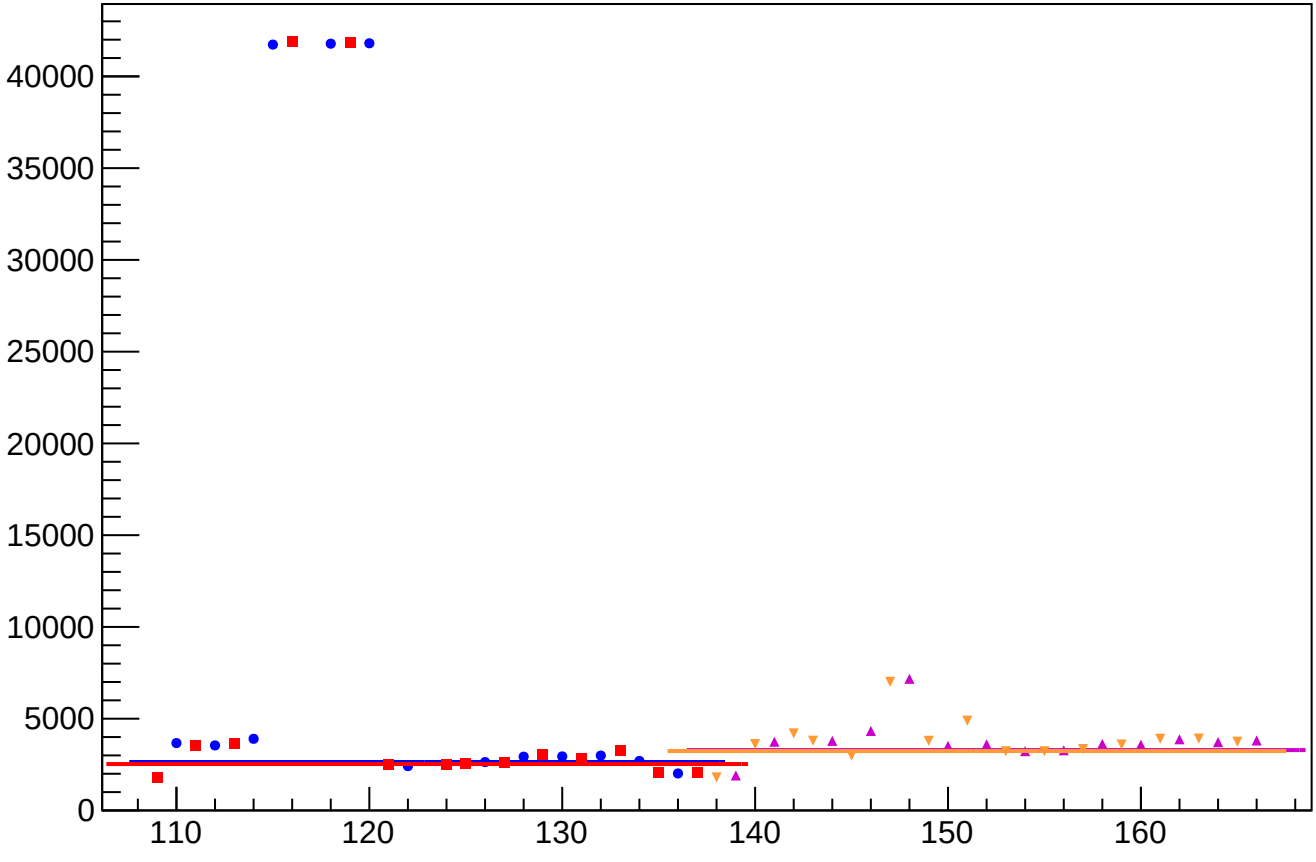
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.756+/-0.787 χ^2/NDF:27.3/26

Out: 0.032+/-0.768 χ^2/NDF:35.8/28

All: 0.873+/-0.550 χ^2/NDF: 65.6/55

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3237.769+/-0.703 χ^2/NDF:1858321.5/14

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3289.441+/-0.718 χ^2/NDF:1590120.3/13

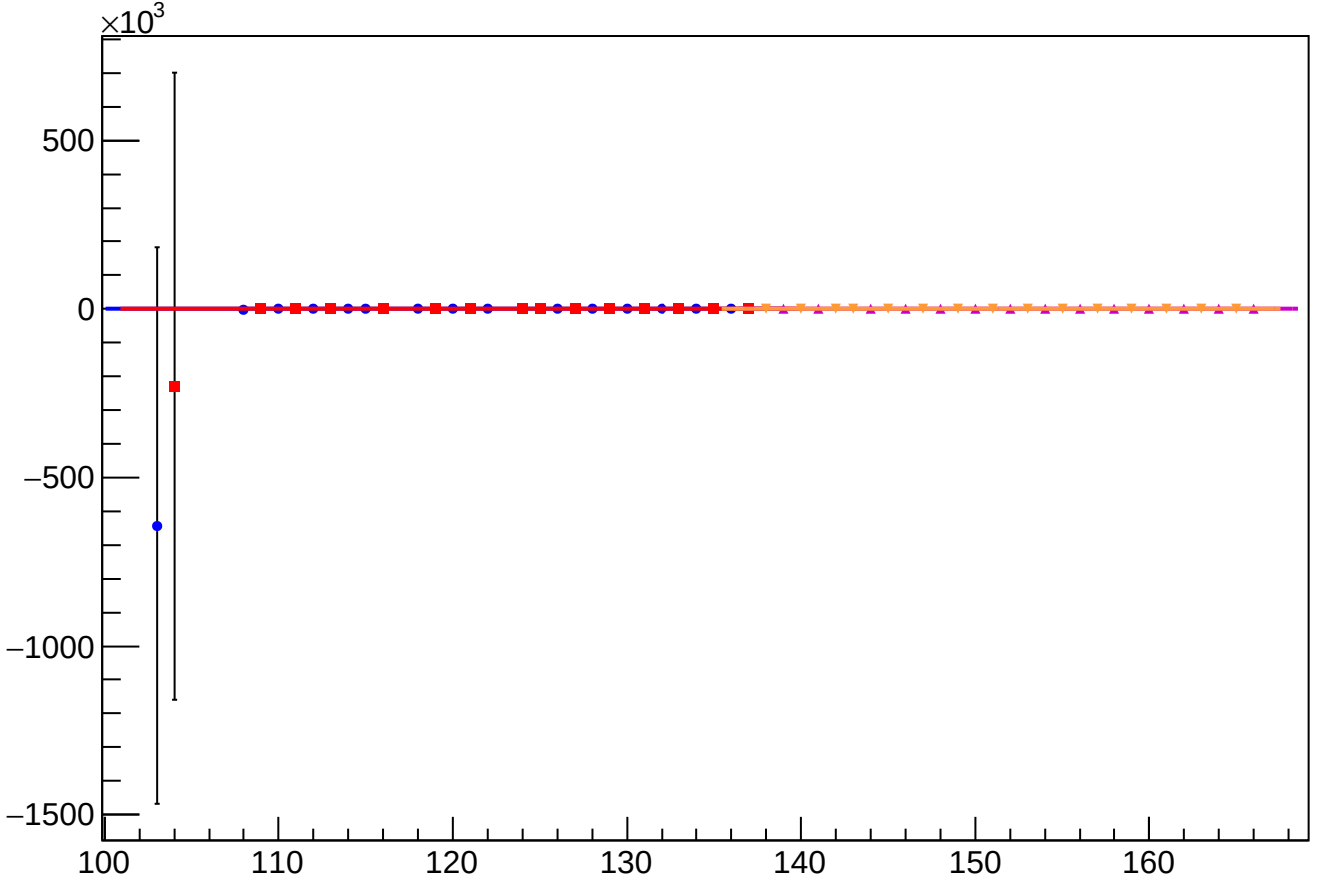
Left: 3263.057+/-0.502 χ^2/NDF: 3451089.0/28

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3030.978+/-0.557 χ^2/NDF:4089475.2/26

Out: 2952.587+/-0.543 χ^2/NDF:4217711.1/28

All: 2990.807+/-0.389 χ^2/NDF: 8317342.5/55



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.167+/-0.463 χ^2/NDF:26.9/14

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: -0.056+/-0.471 χ^2/NDF:16.0/13

Left: -1.131+/-0.330 χ^2/NDF: 53.2/28

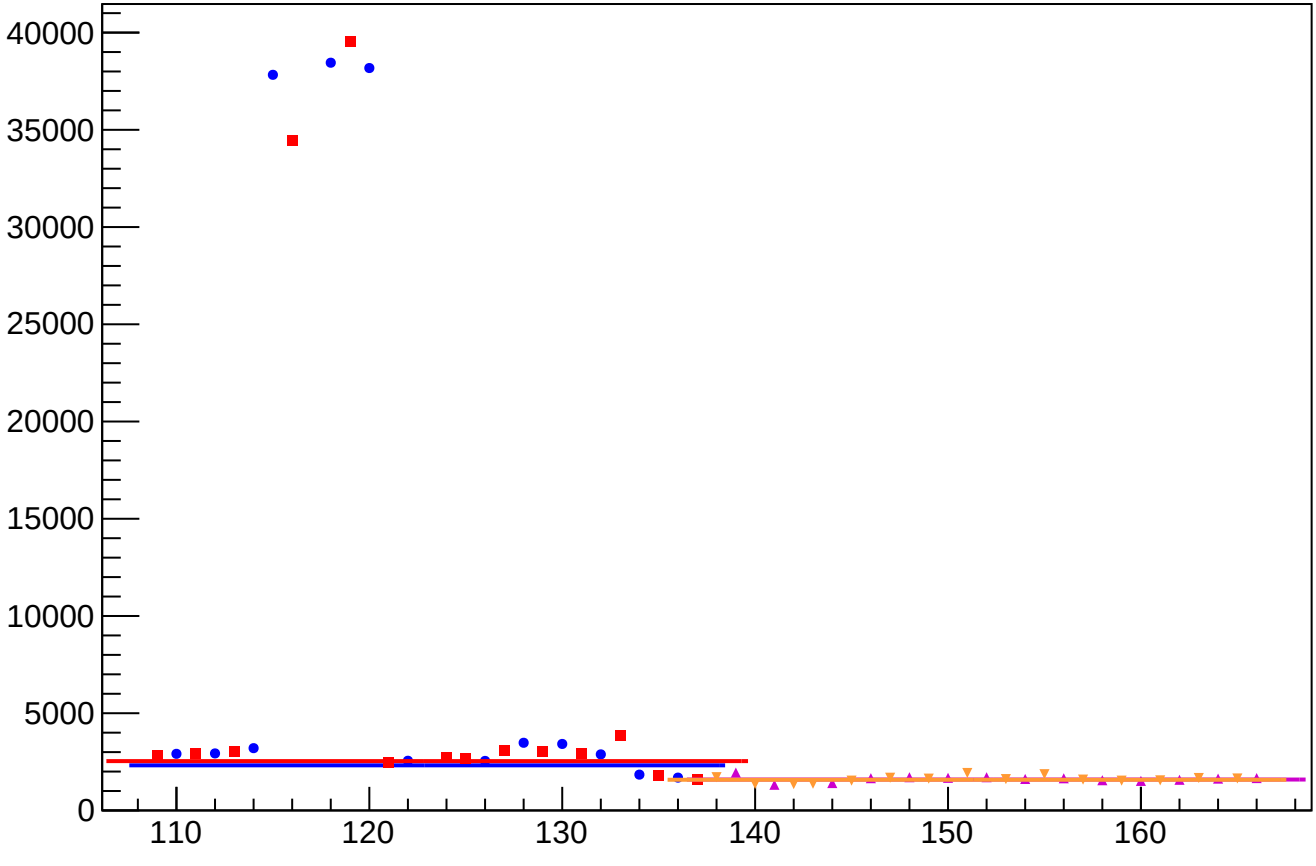
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.229+/-0.435 χ^2/NDF:35.7/28

Out: -1.552+/-0.432 χ^2/NDF:55.3/29

All: -0.894+/-0.306 χ^2/NDF: 95.6/58

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1578.506+/-0.327 χ^2/NDF:225490.1/14

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1589.876+/-0.333 χ^2/NDF:194324.2/13

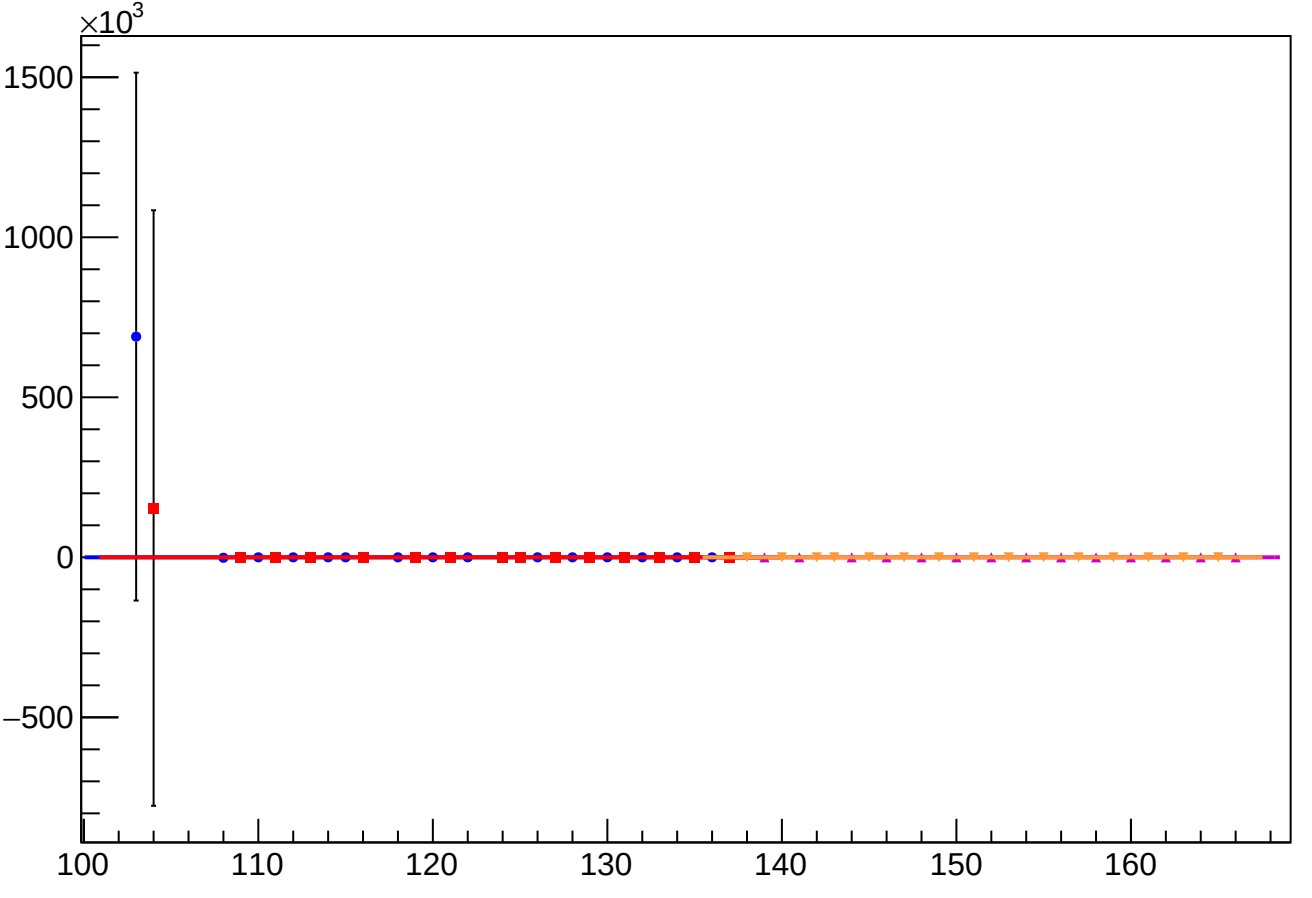
Left: 1584.087+/-0.233 χ^2/NDF: 420407.5/28

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1698.820+/-0.307 χ^2/NDF:3373075.8/26

Out: 1700.572+/-0.306 χ^2/NDF:3358264.9/28

All: 1699.701+/-0.217 χ^2/NDF: 6731357.0/55



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.836+/-0.636 χ^2/NDF:17.6/14

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.235+/-0.617 χ^2/NDF:9.3/13

Left: -0.527+/-0.443 χ^2/NDF: 27.3/28

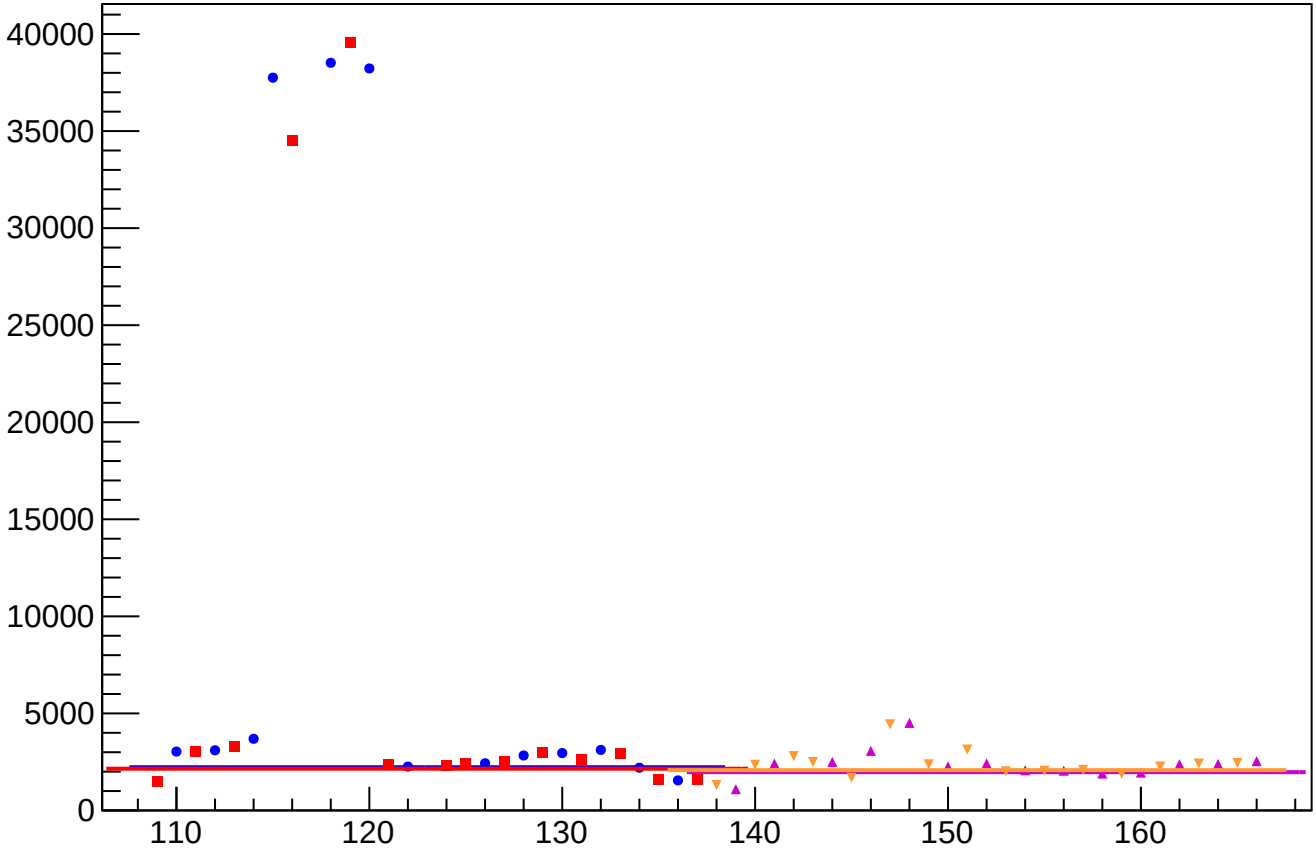
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.246+/-0.536 χ^2/NDF:16.7/28

Out: -0.105+/-0.544 χ^2/NDF:37.8/29

All: 0.073+/-0.382 χ^2/NDF: 54.8/58

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2077.087+/-0.450 χ^2/NDF:1402657.2/14

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1973.590+/-0.437 χ^2/NDF:2155036.3/13

Left: 2023.807+/-0.313 χ^2/NDF: 3584961.7/28

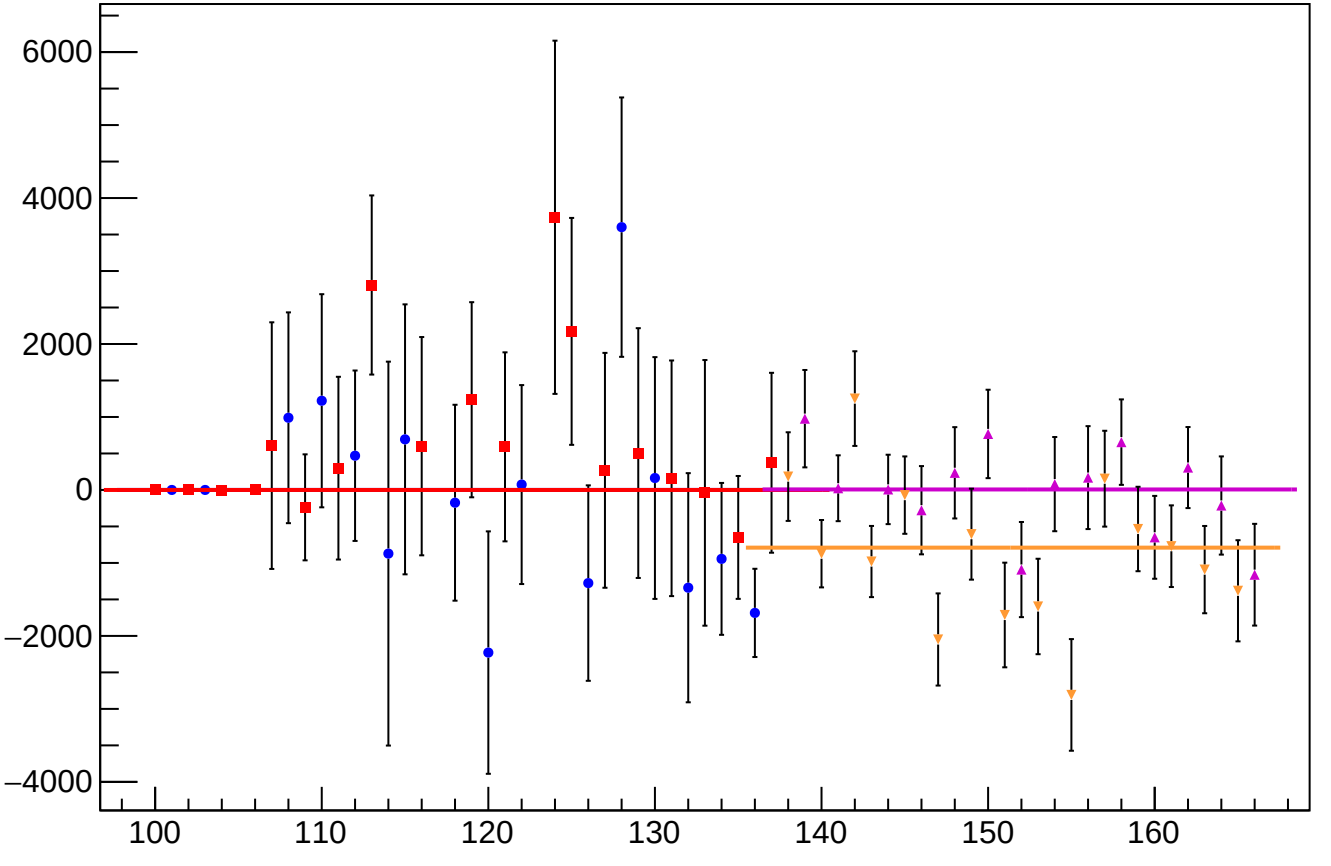
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2036.311+/-0.379 χ^2/NDF:4760695.2/26

Out: 2096.834+/-0.385 χ^2/NDF:3641181.4/28

All: 2066.088+/-0.270 χ^2/NDF: 8414443.0/55

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -790.393+/-154.315 χ^2/NDF:32.0/14

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 6.797+/-158.332 χ^2/NDF:12.7/13

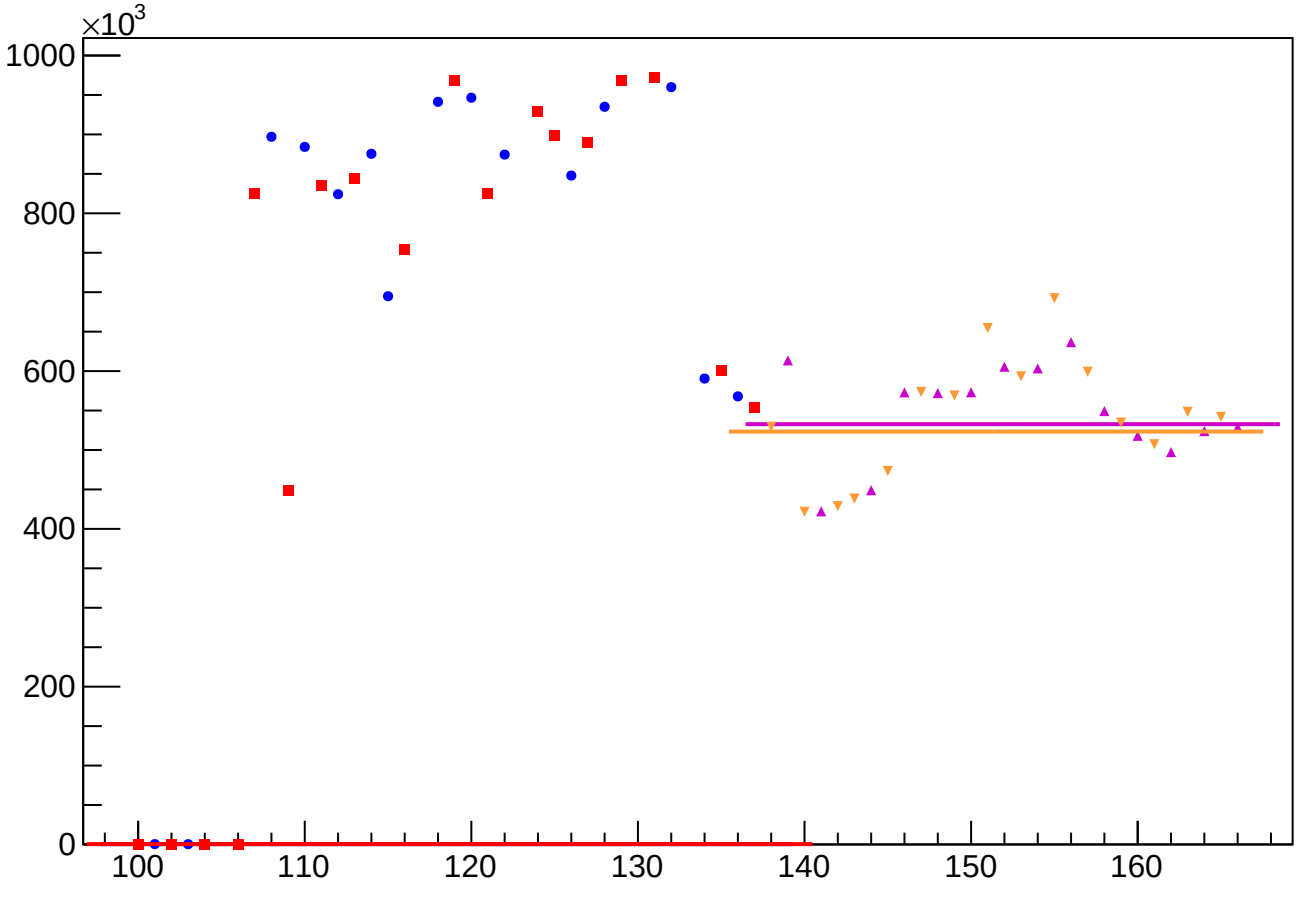
Left: -402.039+/-110.510 χ^2/NDF: 57.7/28

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.255+/-0.356 χ^2/NDF:30.5/29

Out: -0.099+/-0.328 χ^2/NDF:73.6/33

All: 0.064+/-0.241 χ^2/NDF: 104.6/63



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 523346.754+/-109.117 χ^2/NDF:463033.6/14

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 532734.608+/-111.958 χ^2/NDF:340896.1/13

Left: 527920.083+/-78.142 χ^2/NDF: 807535.5/28

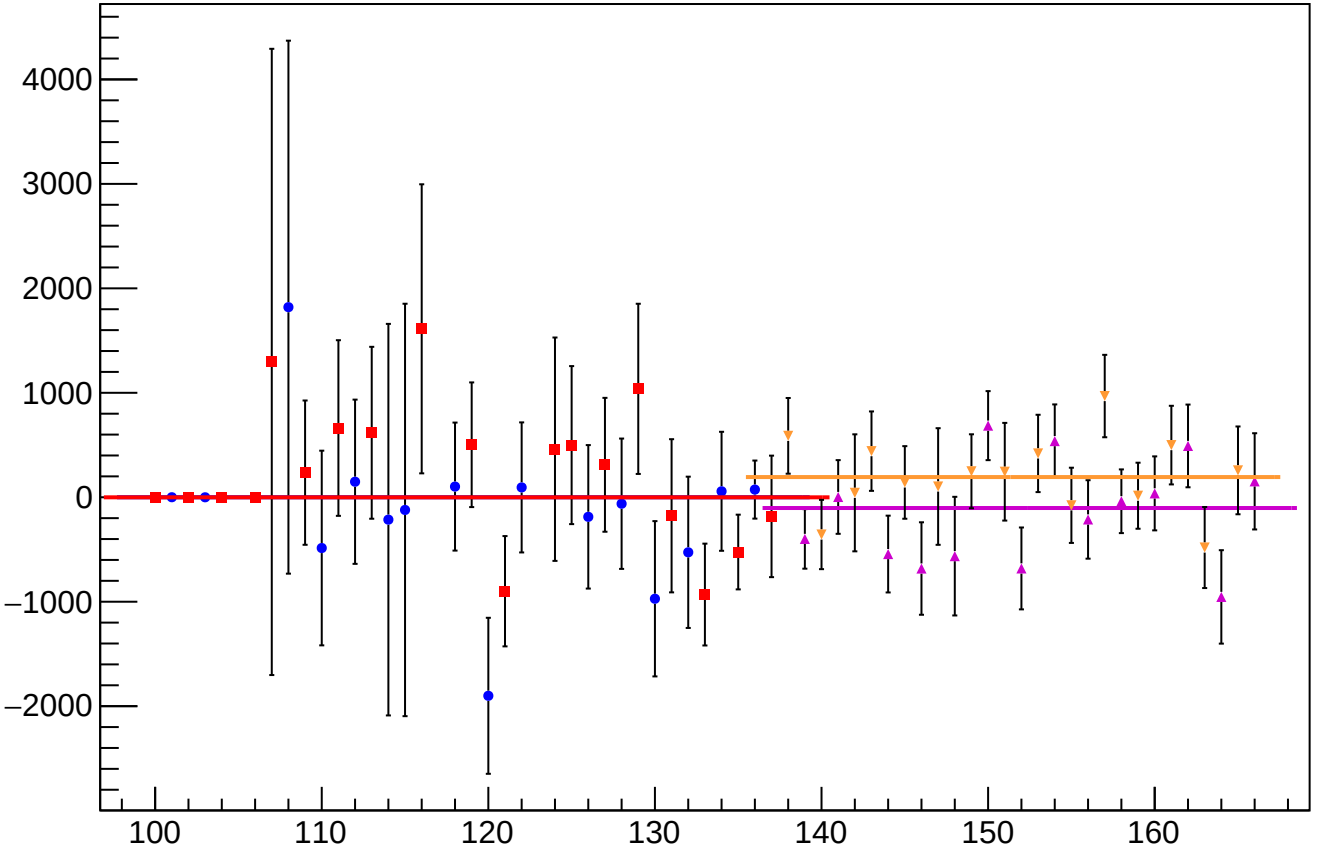
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.567+/-0.251 χ^2/NDF:31440729.3/28

Out: 395.599+/-0.232 χ^2/NDF:31080413.0/32

All: 398.340+/-0.170 χ^2/NDF: 62521446.7/61

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 193.394+/-99.178 χ^2/NDF:13.3/14

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -102.964+/-99.190 χ^2/NDF:22.6/13

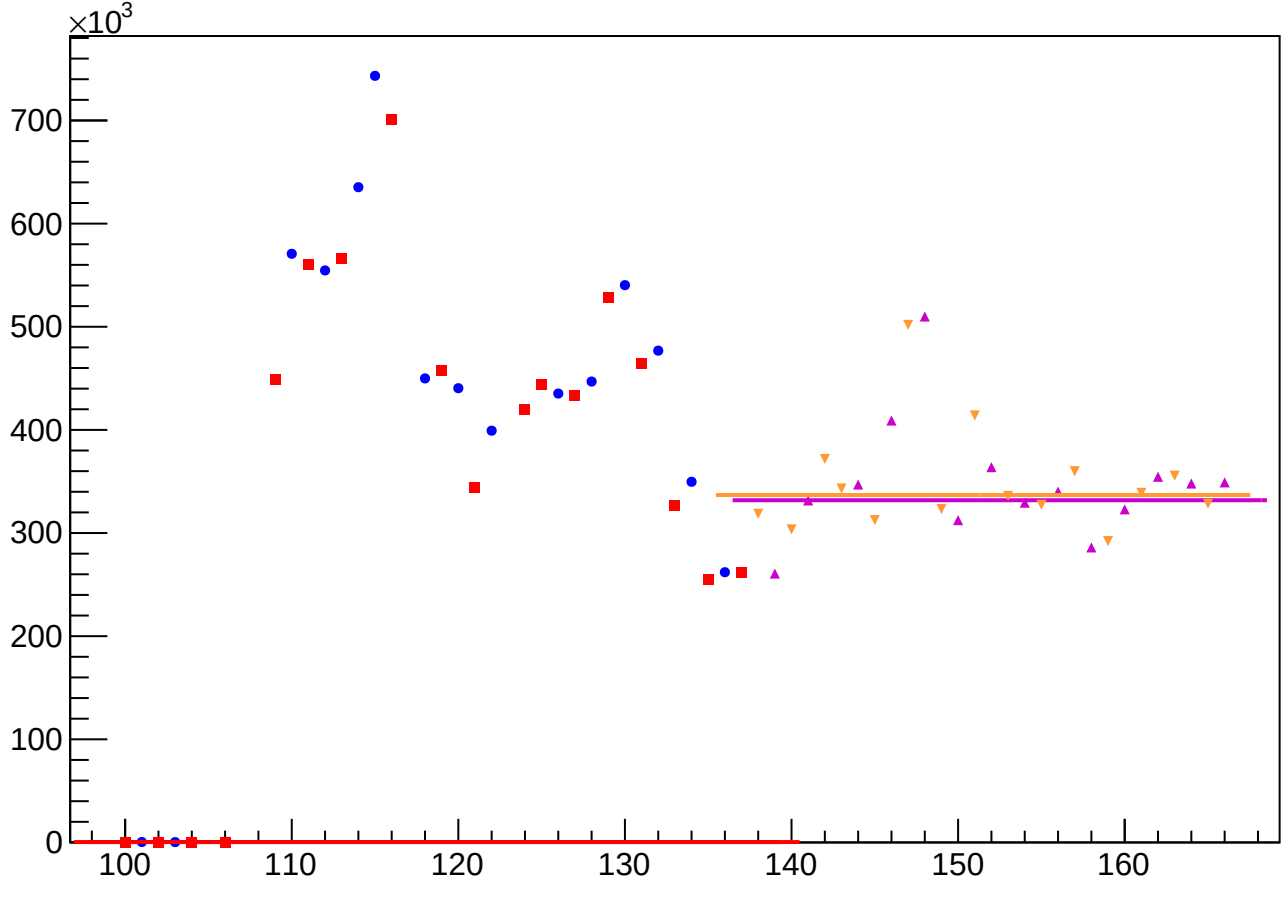
Left: 45.234+/-70.134 χ^2/NDF: 40.5/28

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:34.2/29

Out: -0.597+/-0.324 χ^2/NDF:32.2/33

All: -0.329+/-0.237 χ^2/NDF: 67.8/63



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 336859.803+/-70.129 χ^2/NDF:329050.0/14

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 331807.141+/-70.143 χ^2/NDF:465088.4/13

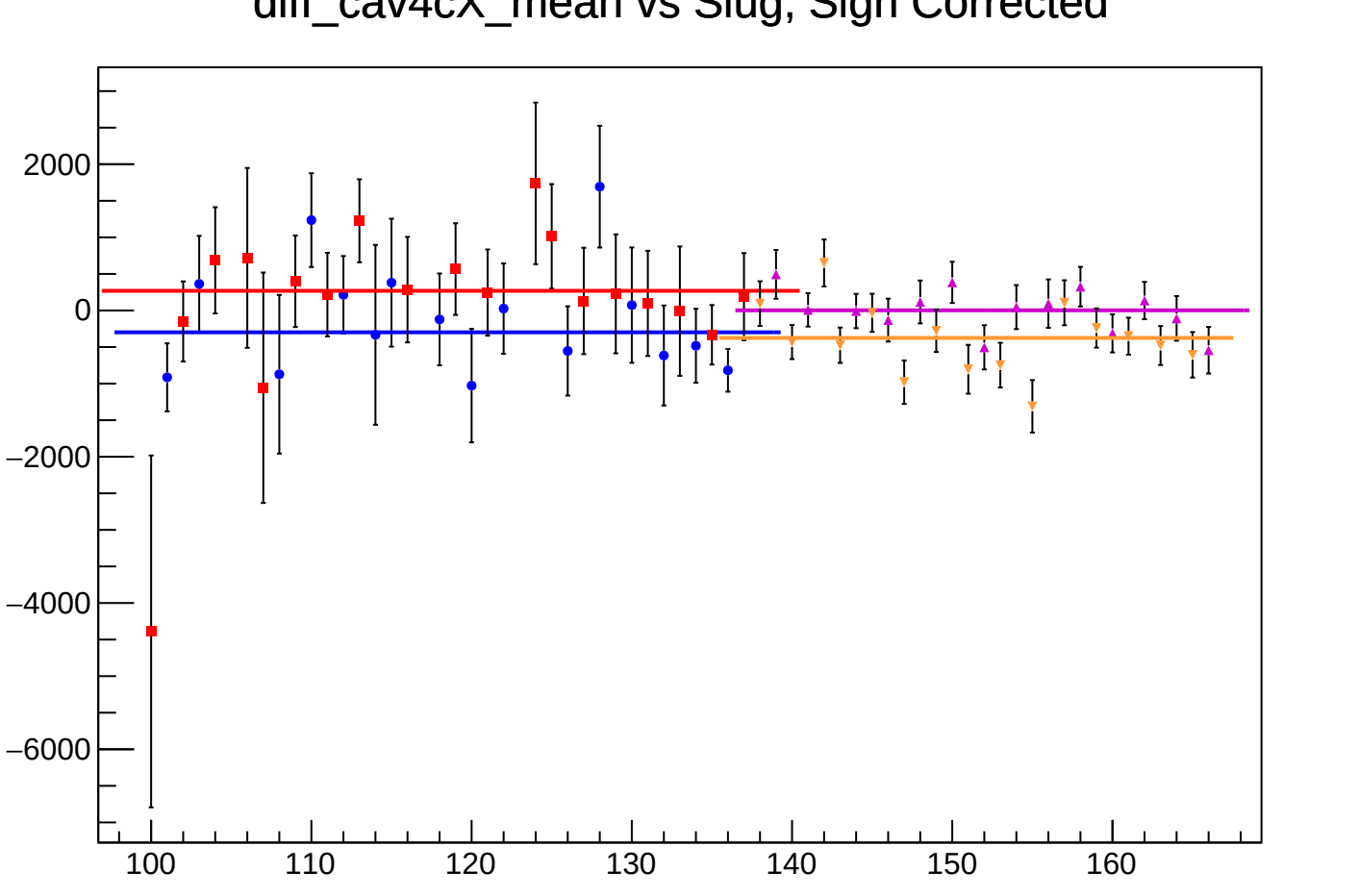
Left: 334333.983+/-49.594 χ^2/NDF: 796733.3/28

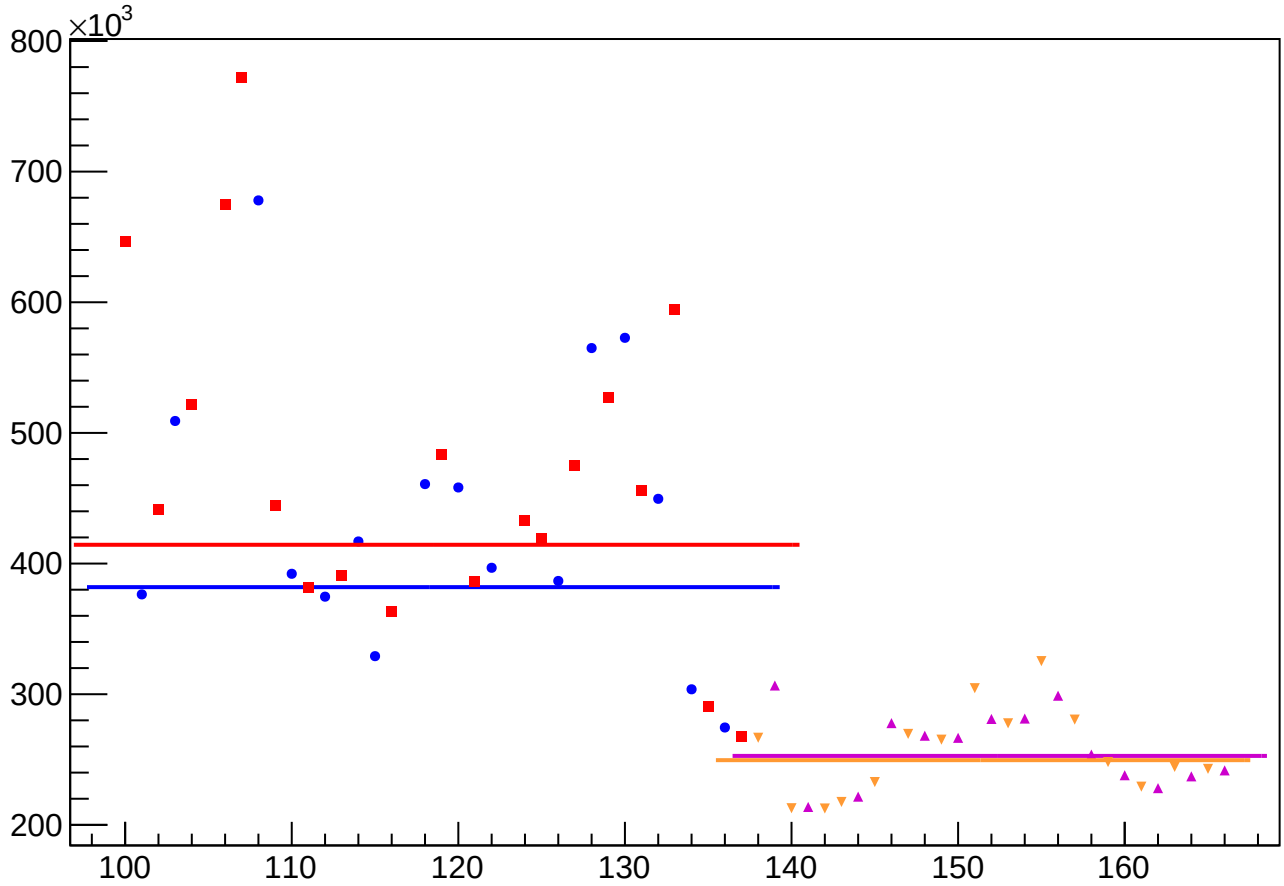
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 394.334+/-0.245 χ^2/NDF:33921274.3/28

Out: 391.571+/-0.229 χ^2/NDF:34422836.3/32

All: 392.856+/-0.167 χ^2/NDF: 68344178.3/61


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -375.149+/-73.342 χ²/NDF:32.1/14
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 2.413+/-74.999 χ²/NDF:13.5/13
Left: -190.586+/-52.437 χ²/NDF: 58.6/28
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -59.444+/-66.841 χ²/NDF:38.0/29
Out: -259.273+/-66.417 χ²/NDF:59.9/33
All: -159.994+/-47.113 χ²/NDF: 102.4/63



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 249524.026+/-51.861 χ^2/NDF:336527.0/14

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 252786.457+/-53.033 χ^2/NDF:278431.5/13

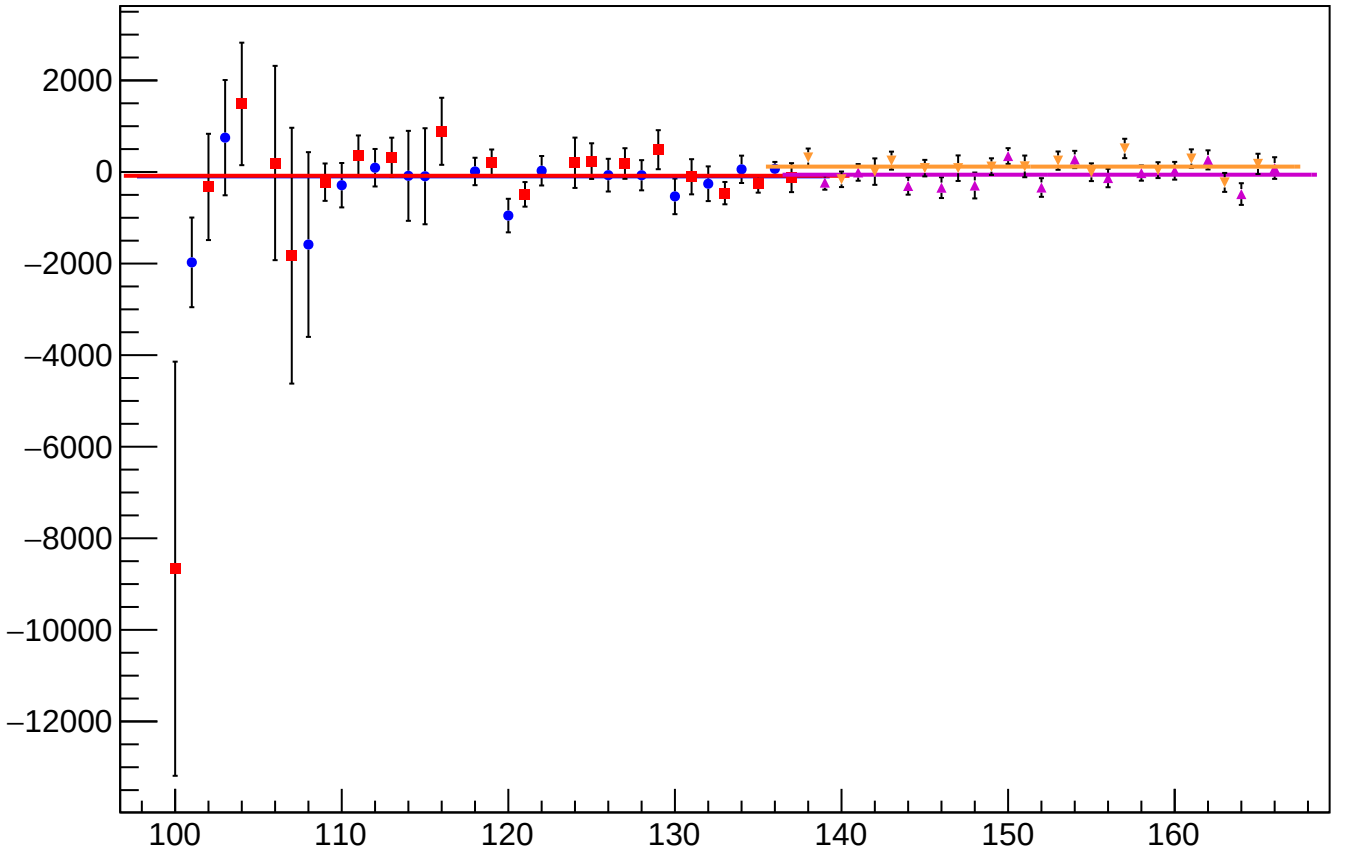
Left: 251118.800+/-37.078 χ^2/NDF: 616893.1/28

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 279353.085+/-47.266 χ^2/NDF:2335058.1/29

Out: 279172.271+/-46.966 χ^2/NDF:2913883.4/33

All: 279262.104+/-33.316 χ^2/NDF: 5248948.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 117.348+/-52.290 χ^2/NDF:12.5/14

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -59.389+/-52.487 χ^2/NDF:22.2/13

Left: 29.311+/-37.044 χ^2/NDF: 40.3/28

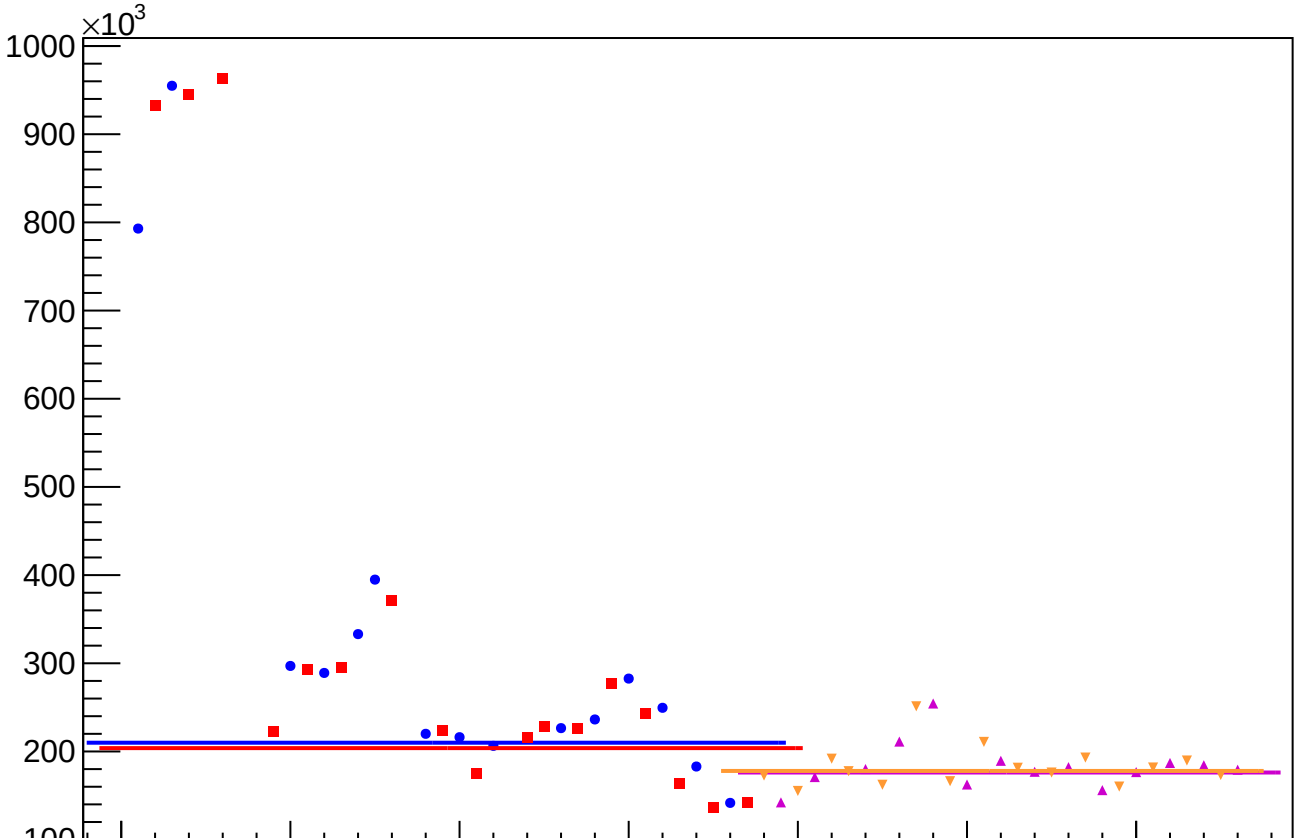
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -68.914+/-45.113 χ^2/NDF:36.0/29

Out: 64.529+/-44.861 χ^2/NDF:35.4/33

All: -1.818+/-31.810 χ^2/NDF: 75.8/63

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177910.616+/-36.974 χ^2/NDF:281818.5/14

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 176136.037+/-37.114 χ^2/NDF:357959.5/13

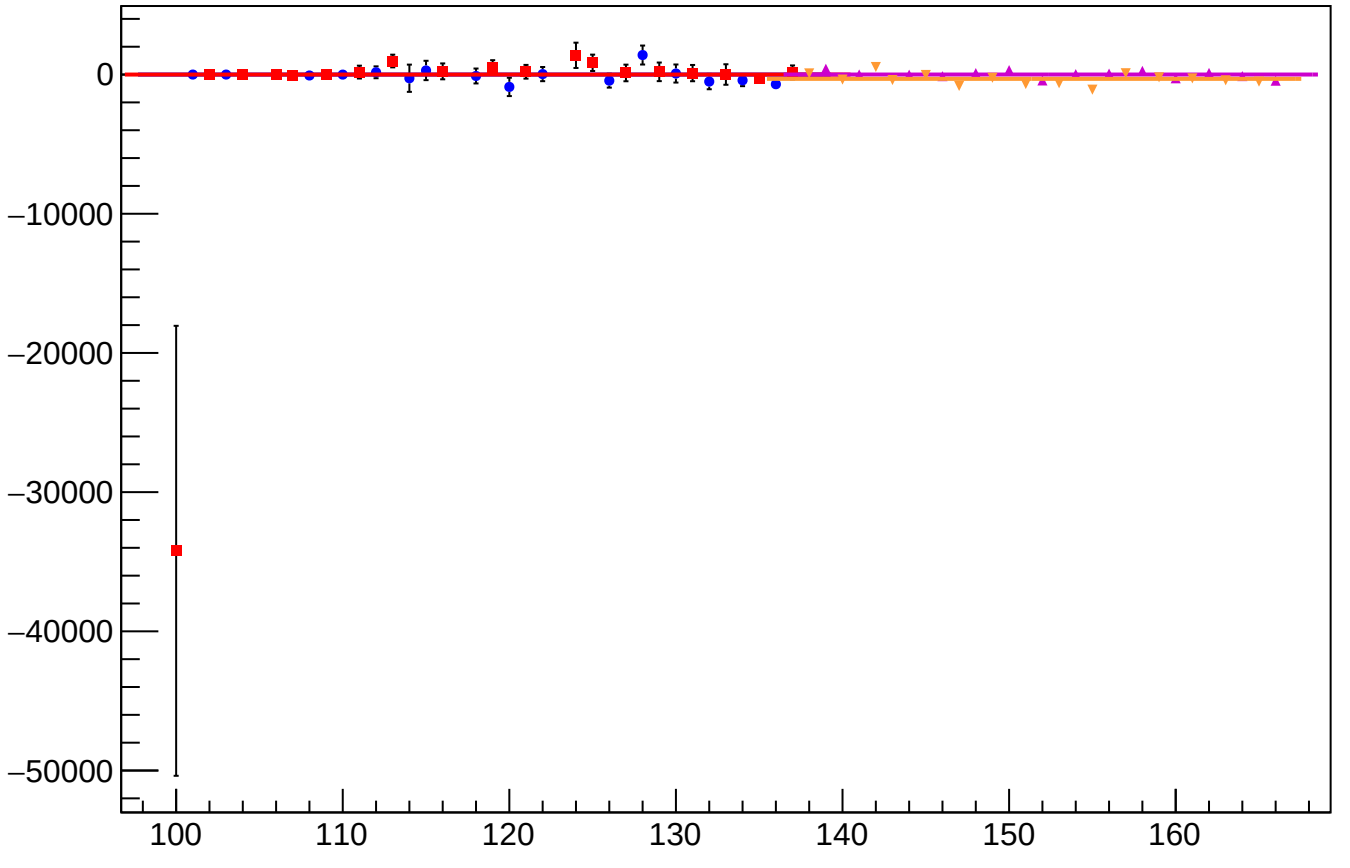
Left: 177026.660+/-26.194 χ^2/NDF: 640925.4/28

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184940.980+/-31.914 χ^2/NDF:2533873.7/28

Out: 184717.897+/-31.742 χ^2/NDF:2481175.1/31

All: 184828.834+/-22.506 χ^2/NDF: 5015073.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -309.993+/-61.437 χ^2/NDF:32.2/14

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 2.312+/-62.940 χ^2/NDF:13.4/13

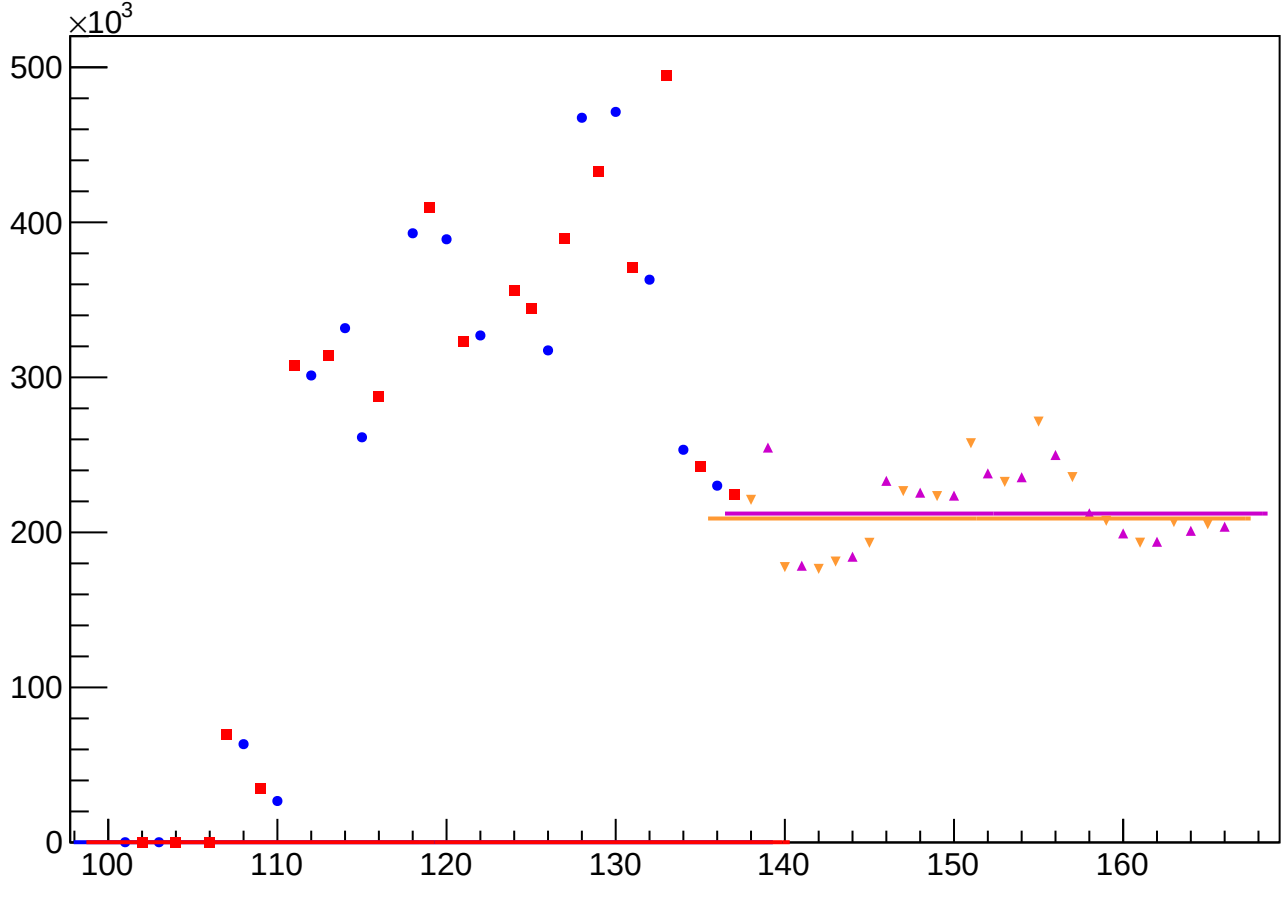
Left: -157.614+/-43.964 χ^2/NDF: 58.2/28

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:31.5/29

Out: 0.353+/-0.160 χ^2/NDF:74.2/33

All: 0.173+/-0.117 χ^2/NDF: 108.4/63



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208956.281+/-43.443 χ^2/NDF:347734.6/14

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 212143.267+/-44.505 χ^2/NDF:277481.4/13

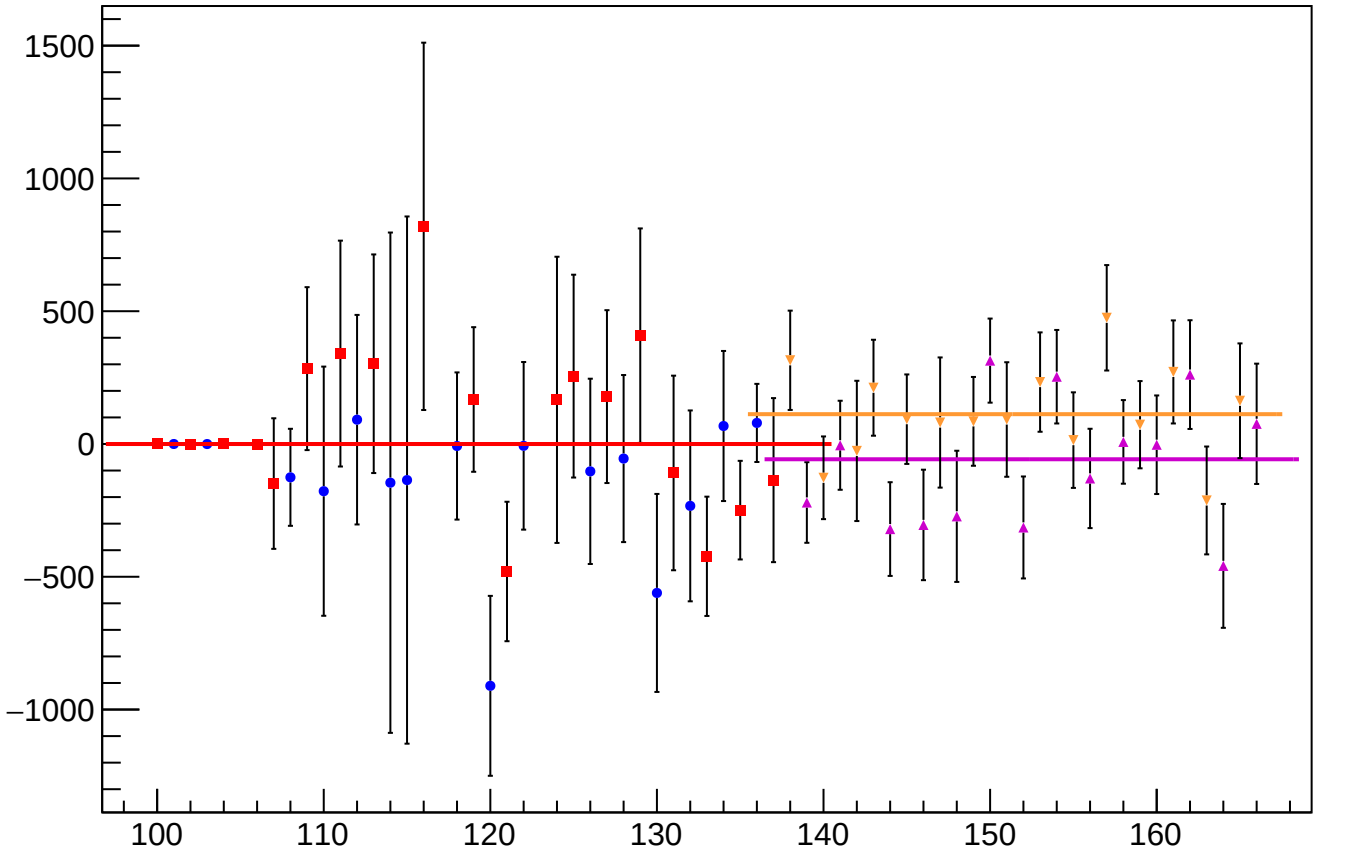
Left: 210511.265+/-31.087 χ^2/NDF: 627841.9/28

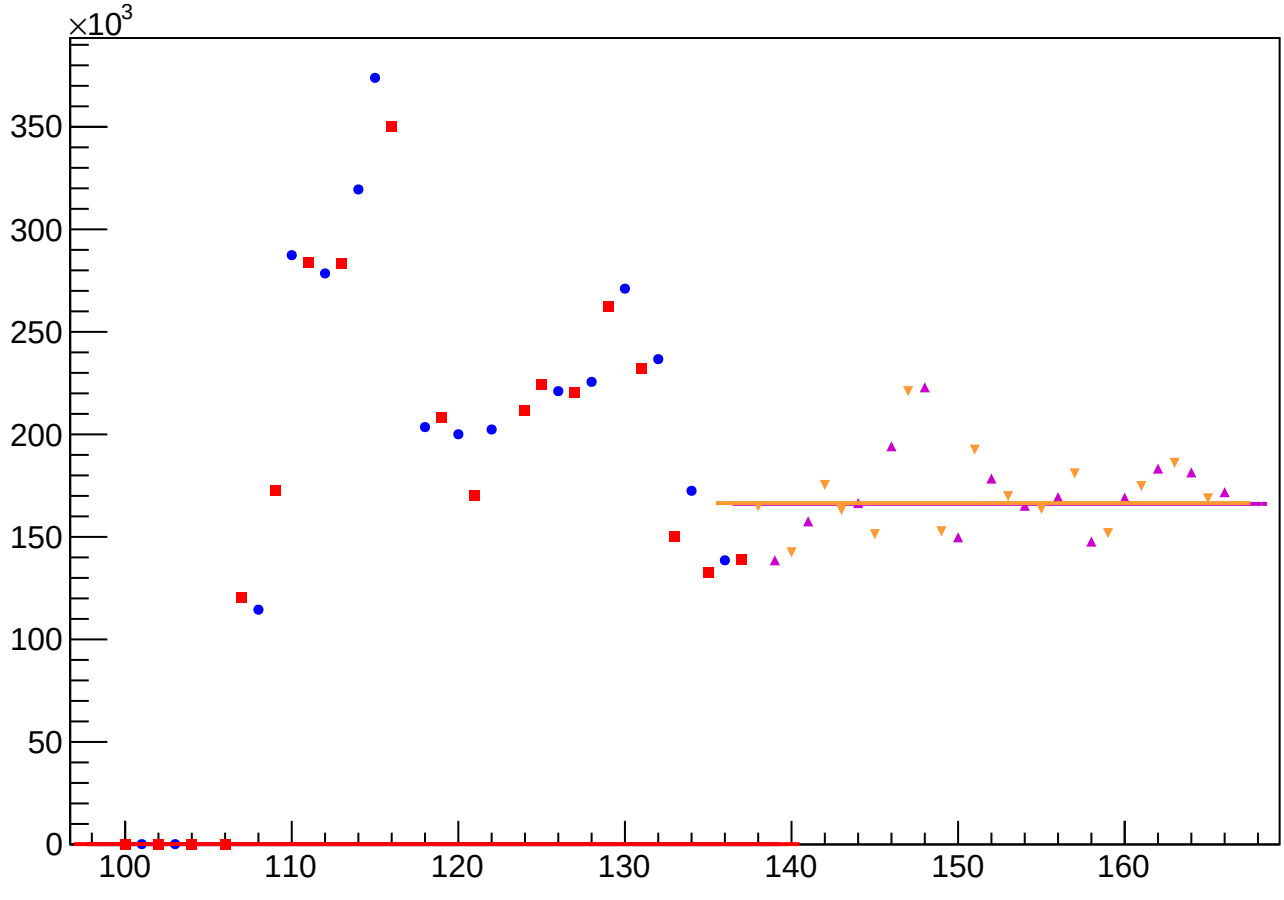
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.680+/-0.122 χ^2/NDF:34268631.8/29

Out: 150.797+/-0.113 χ^2/NDF:34738817.9/32

All: 150.743+/-0.083 χ^2/NDF: 69007450.2/62


diff_cav4dY_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -0.068+/-0.177 χ²/NDF: 11.2/15
Left Out: 112.263+/-48.907 χ²/NDF:11.6/14
Right Out: -0.126+/-0.166 χ²/NDF: 15.2/18
Left In: -57.532+/-49.412 χ²/NDF:22.2/13
Left: 28.239+/-34.760 χ²/NDF: 39.7/28
Right: -0.099+/-0.121 χ²/NDF: 26.5/34
In: -0.069+/-0.177 χ²/NDF:34.8/29
Out: -0.125+/-0.166 χ²/NDF:32.1/33
All: -0.098+/-0.121 χ²/NDF: 66.9/63



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166499.445+/-34.582 χ^2/NDF:259023.6/14

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 166105.203+/-34.940 χ^2/NDF:295475.3/13

Left: 166304.352+/-24.579 χ^2/NDF: 554563.2/28

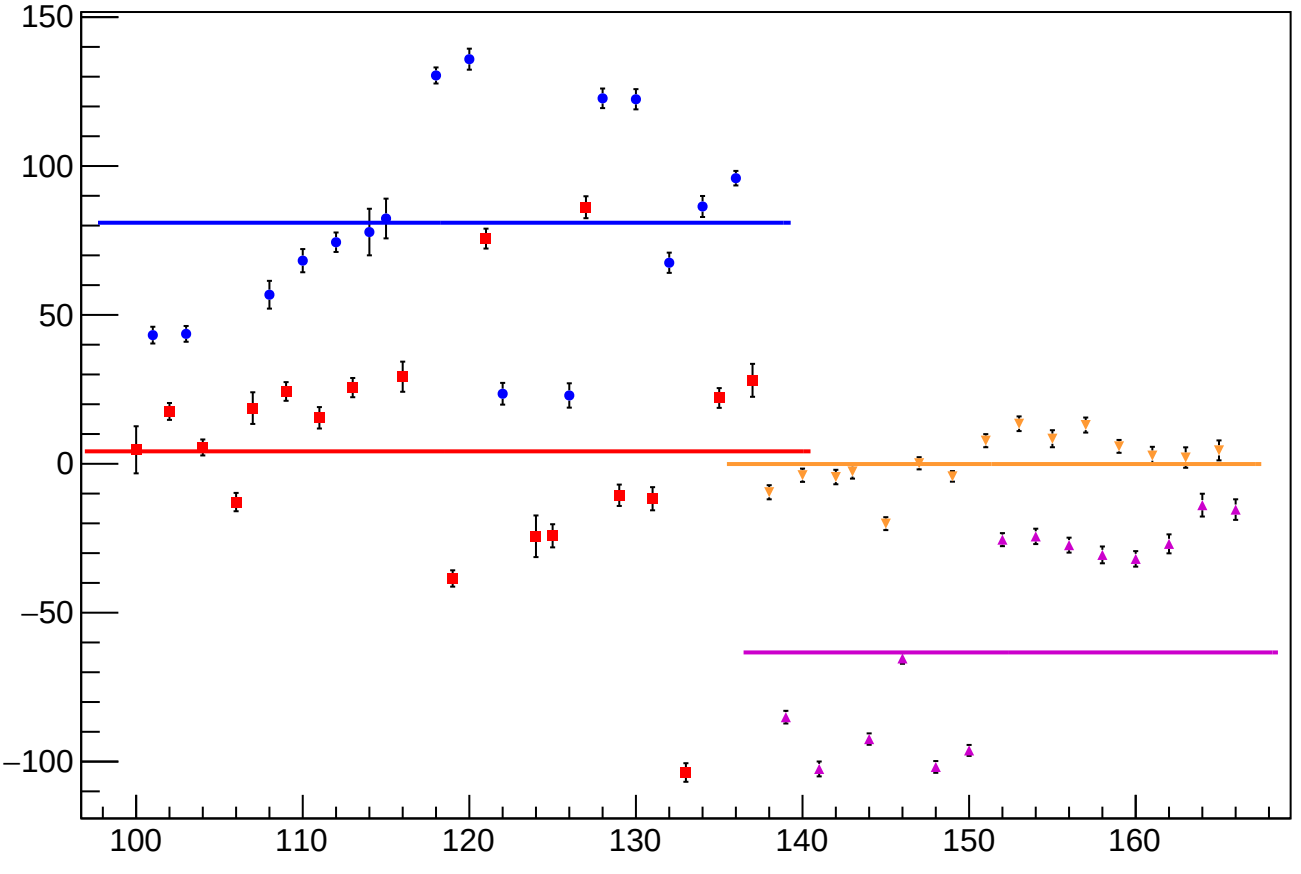
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.595+/-0.125 χ^2/NDF:34759179.4/29

Out: 158.085+/-0.118 χ^2/NDF:34726507.8/33

All: 156.918+/-0.086 χ^2/NDF: 69485897.0/63

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.079+/-0.616 χ^2/NDF:202.7/14

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -63.348+/-0.626 χ^2/NDF:2780.1/13

Left: -31.198+/-0.439 χ^2/NDF: 8178.7/28

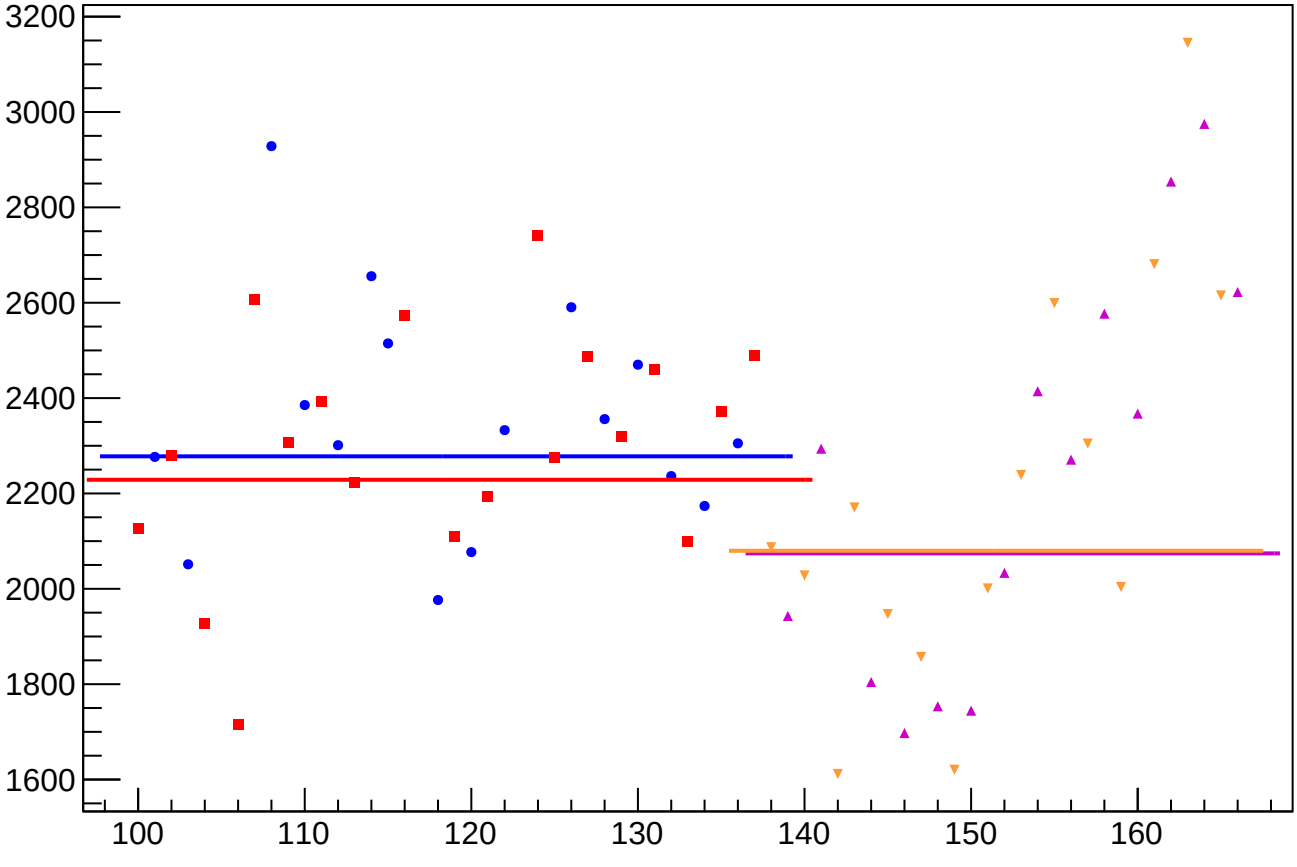
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.749+/-0.504 χ^2/NDF:23245.5/29

Out: 1.457+/-0.492 χ^2/NDF:2939.7/33

All: -5.477+/-0.352 χ^2/NDF: 26591.6/63

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2079.778+/-0.435 χ^2/NDF:663866.7/14

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2074.321+/-0.442 χ^2/NDF:685015.9/13

Left: 2077.094+/-0.310 χ^2/NDF: 1348959.8/28

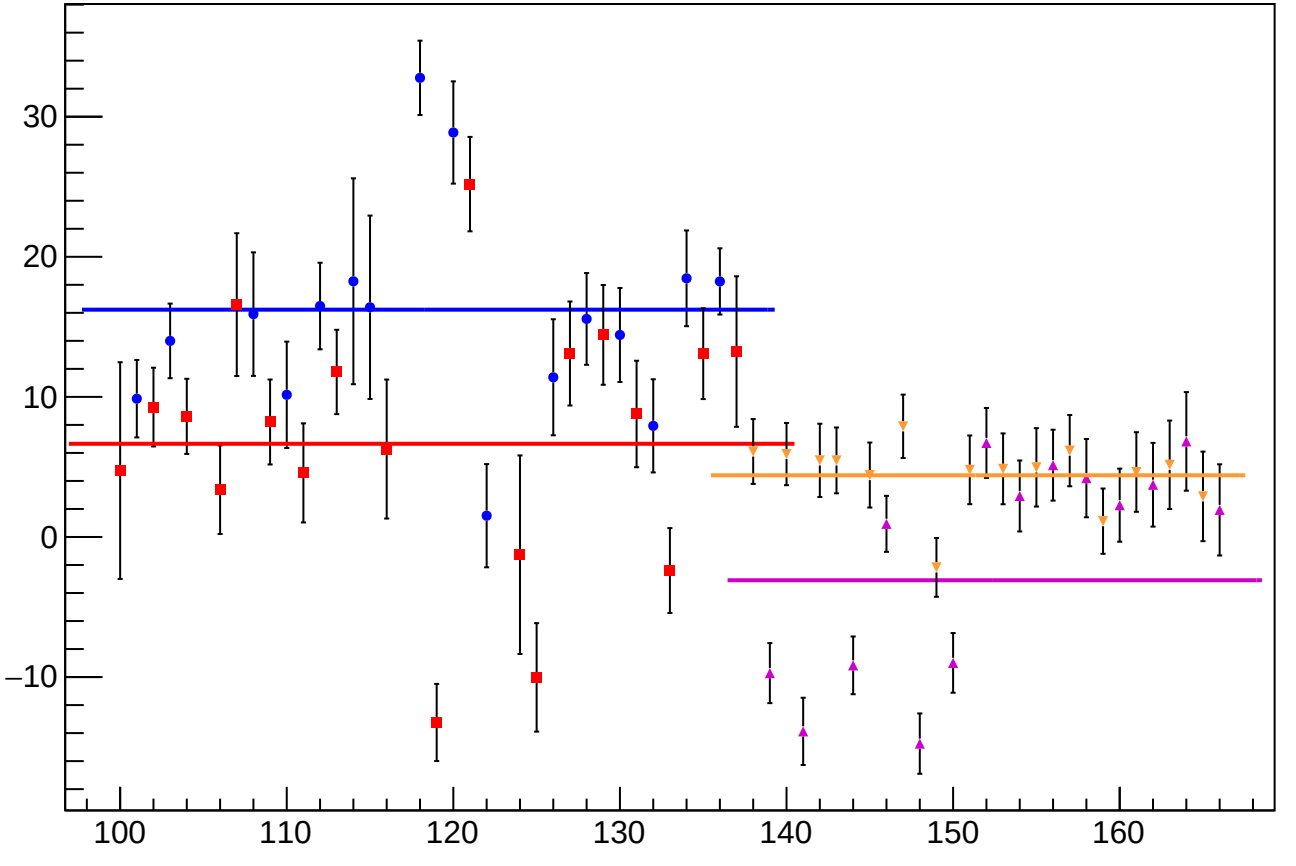
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2145.693+/-0.357 χ^2/NDF:875006.3/29

Out: 2133.440+/-0.348 χ^2/NDF:857179.7/33

All: 2139.421+/-0.249 χ^2/NDF: 1732790.7/63

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.404+/-0.641 χ^2/NDF:16.4/14

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -3.088+/-0.653 χ^2/NDF:137.6/13

Left: 0.727+/-0.457 χ^2/NDF: 221.2/28

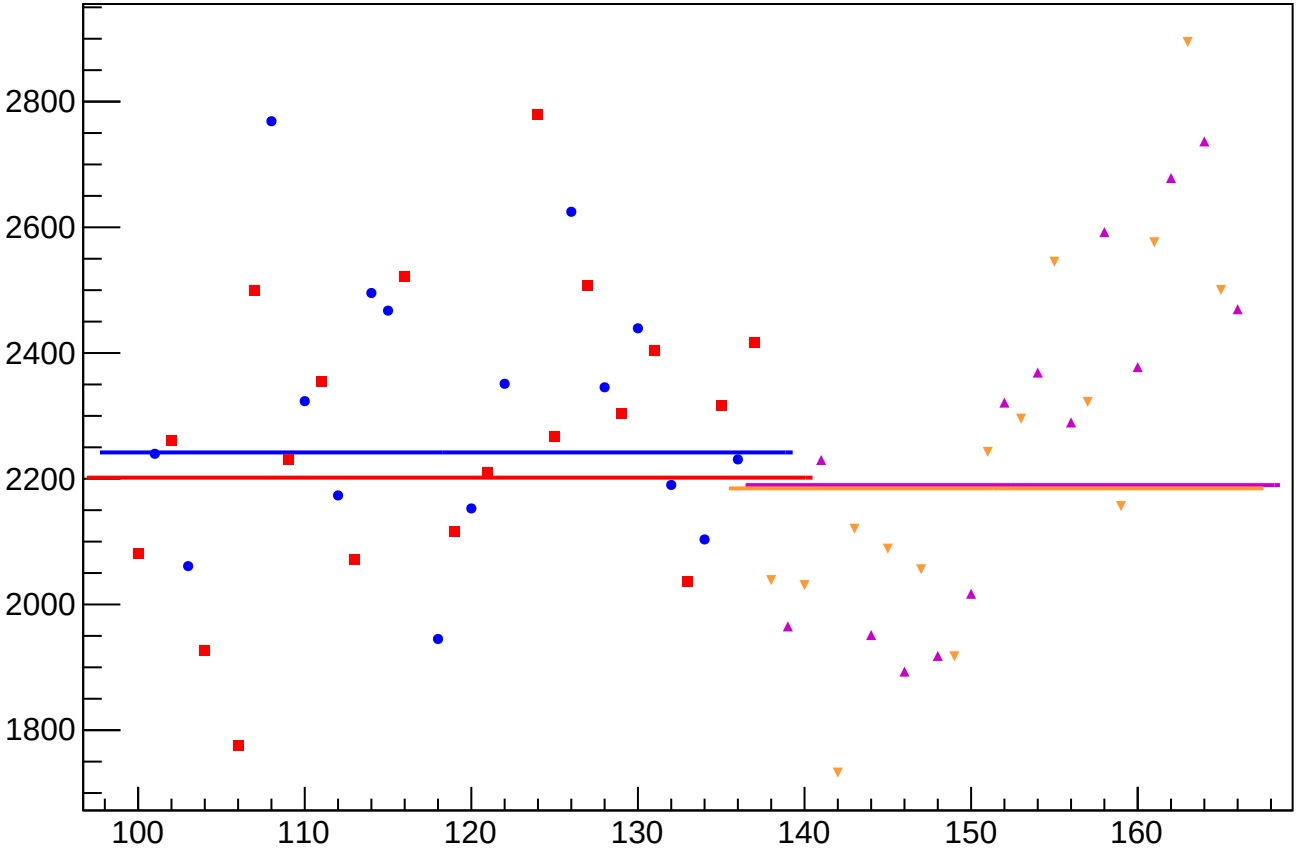
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.208+/-0.515 χ^2/NDF:553.0/29

Out: 5.270+/-0.502 χ^2/NDF:155.7/33

All: 4.752+/-0.360 χ^2/NDF: 710.9/63

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2184.628+/-0.453 χ^2/NDF:323902.0/14

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2189.855+/-0.461 χ^2/NDF:325384.2/13

Left: 2187.193+/-0.323 χ^2/NDF: 649351.5/28

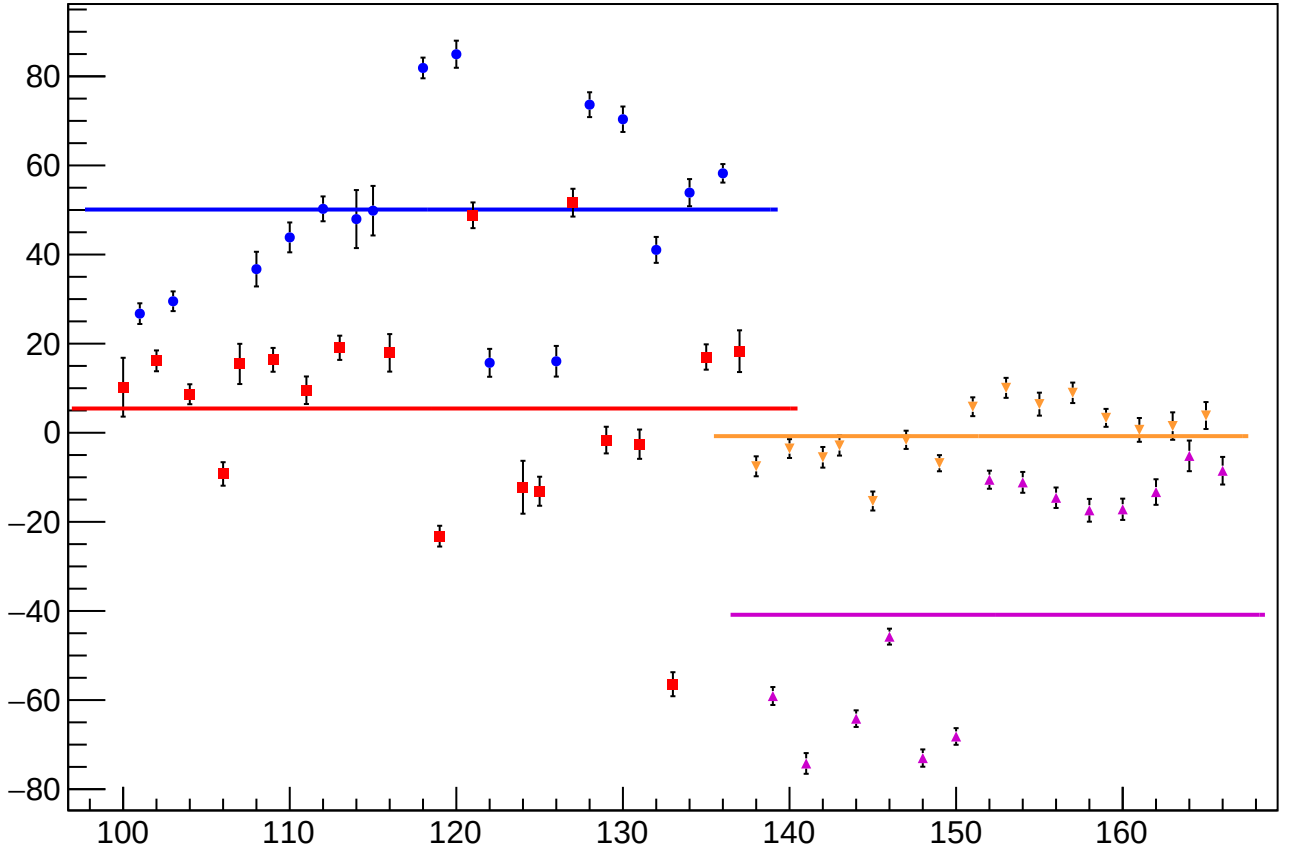
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2209.498+/-0.364 χ^2/NDF:432440.9/29

Out: 2191.220+/-0.355 χ^2/NDF:454334.1/33

All: 2200.135+/-0.254 χ^2/NDF: 888066.4/63

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.760+/-0.584 χ^2/NDF:140.0/14

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -40.856+/-0.594 χ^2/NDF:1946.0/13

Left: -20.482+/-0.416 χ^2/NDF: 4403.3/28

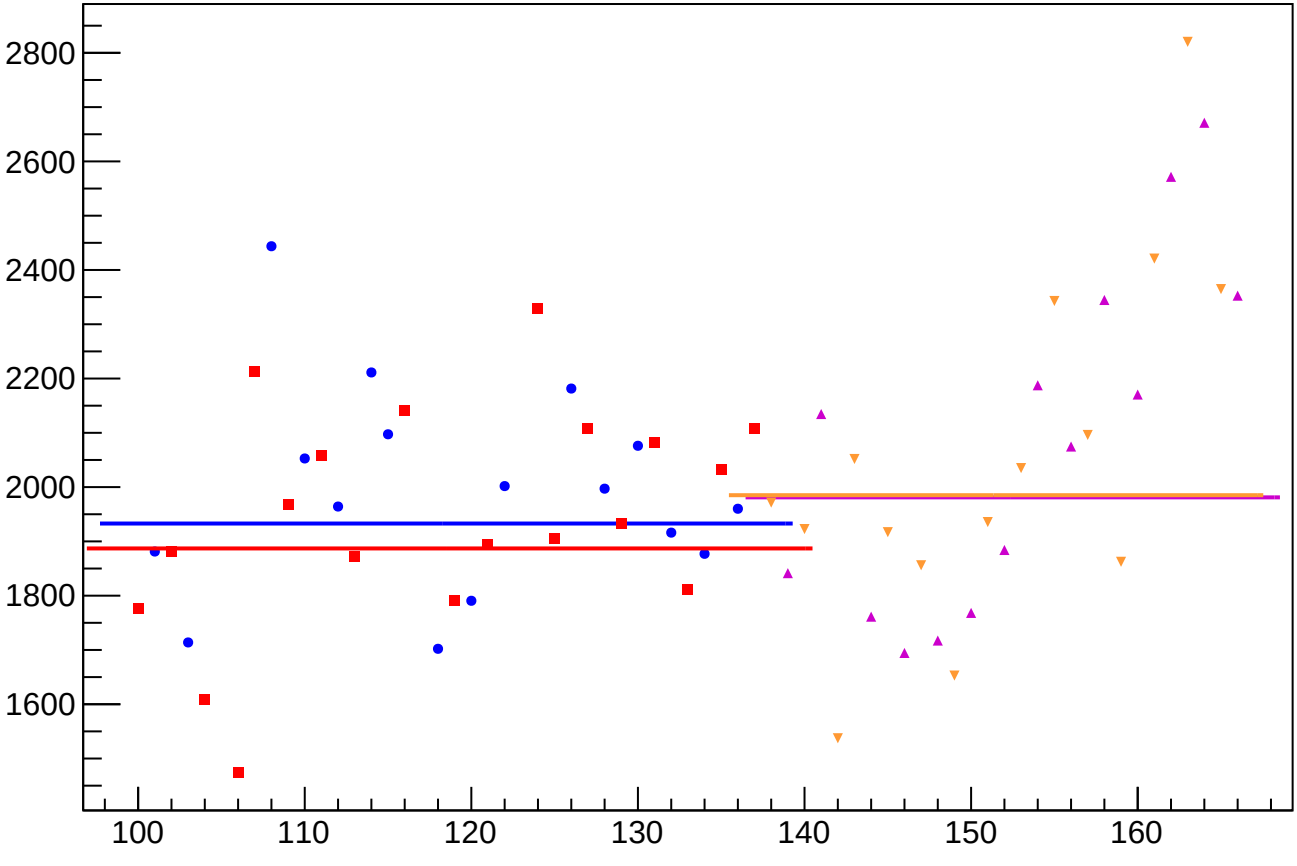
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.168+/-0.459 χ^2/NDF:12300.7/29

Out: 1.811+/-0.447 χ^2/NDF:1498.3/33

All: -1.101+/-0.320 χ^2/NDF: 13886.2/63

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1985.099+/-0.413 χ^2/NDF:439788.1/14

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1981.093+/-0.420 χ^2/NDF:430724.1/13

Left: 1983.128+/-0.294 χ^2/NDF: 870558.5/28

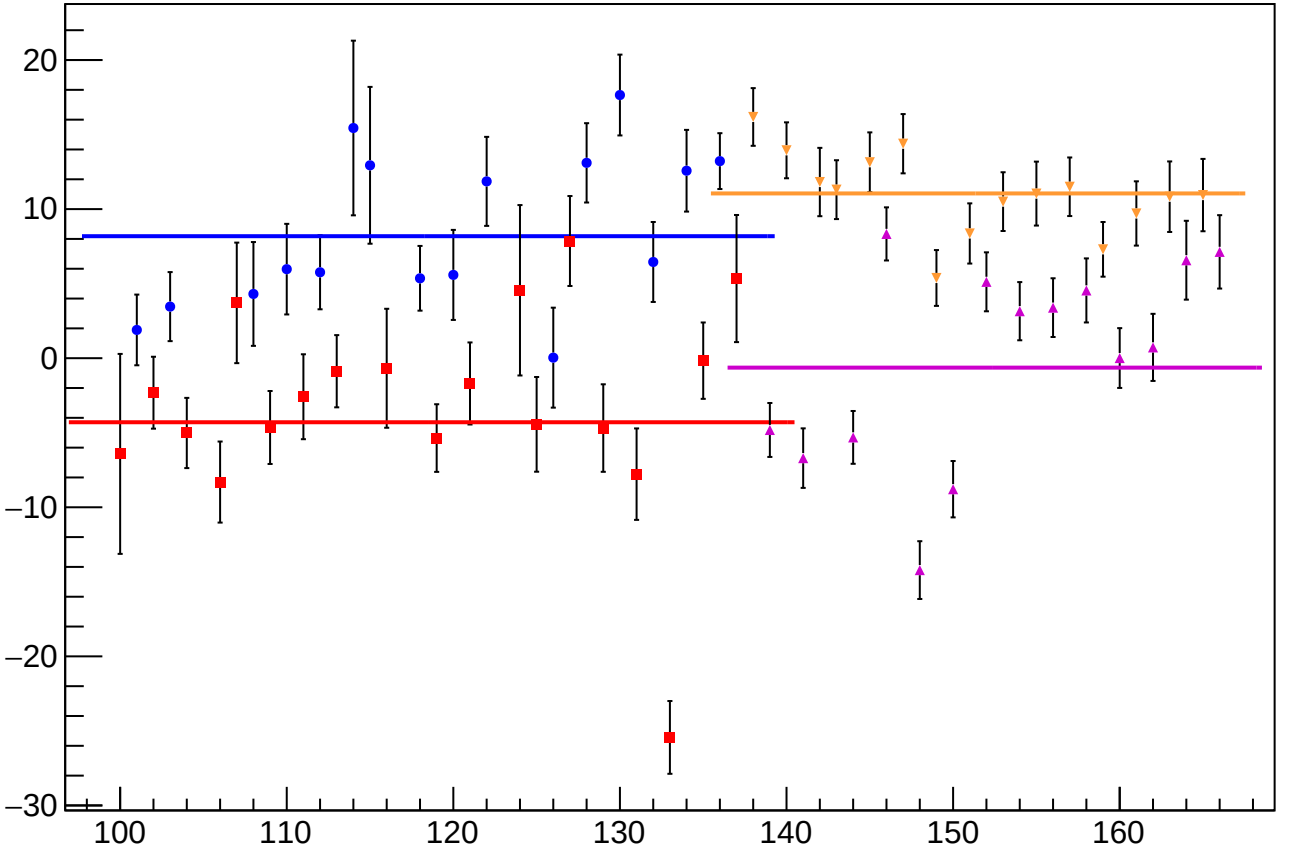
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1961.656+/-0.324 χ^2/NDF:542005.5/29

Out: 1944.439+/-0.316 χ^2/NDF:612910.9/33

All: 1952.826+/-0.226 χ^2/NDF: 1156362.1/63

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.051+/-0.525 χ^2/NDF:29.1/14

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -0.633+/-0.536 χ^2/NDF:154.7/13

Left: 5.327+/-0.375 χ^2/NDF: 426.3/28

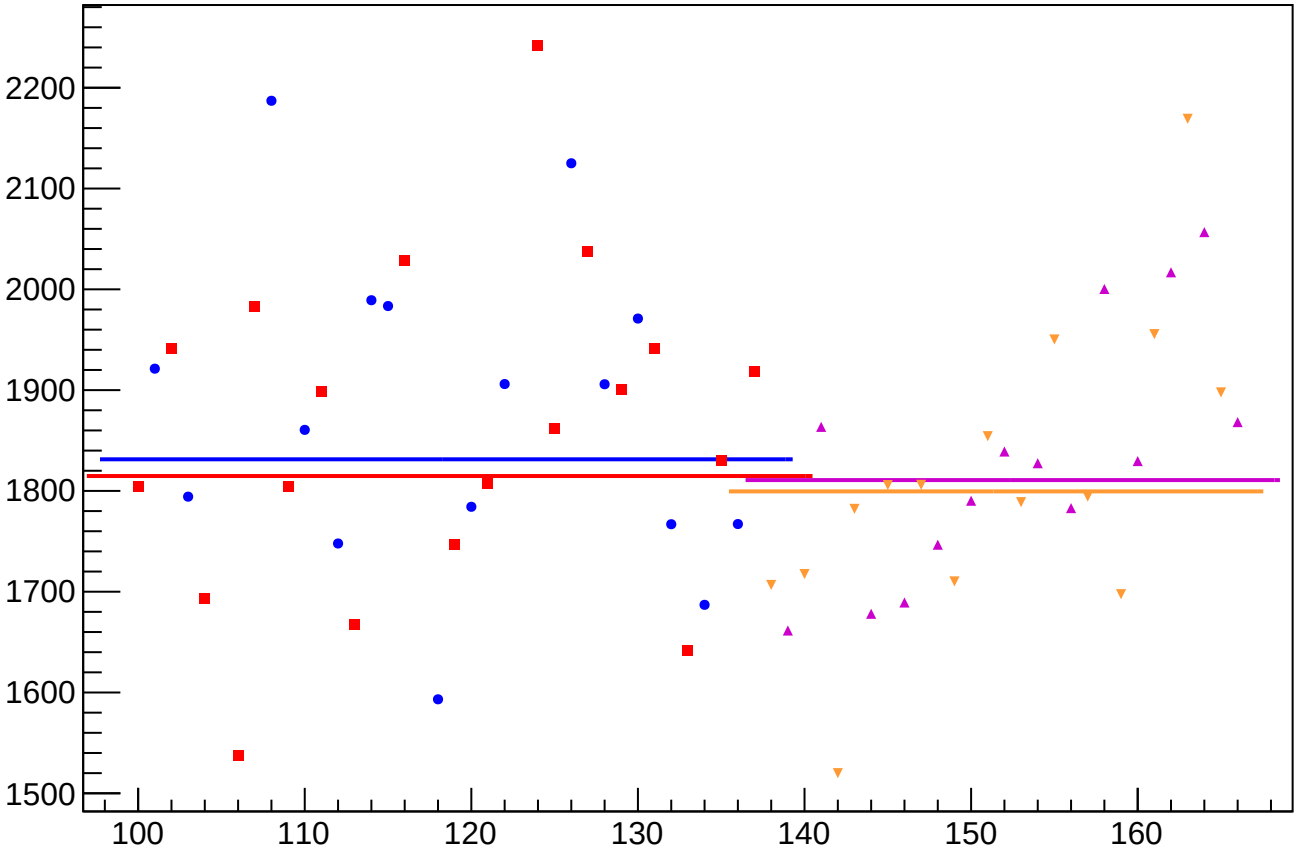
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.722+/-0.422 χ^2/NDF:309.7/29

Out: 5.162+/-0.412 χ^2/NDF:470.8/33

All: 3.970+/-0.295 χ^2/NDF: 797.6/63

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1799.530+/-0.371 χ^2/NDF:123130.1/14

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1810.741+/-0.379 χ^2/NDF:89837.7/13

Left: 1805.022+/-0.265 χ^2/NDF: 213414.4/28

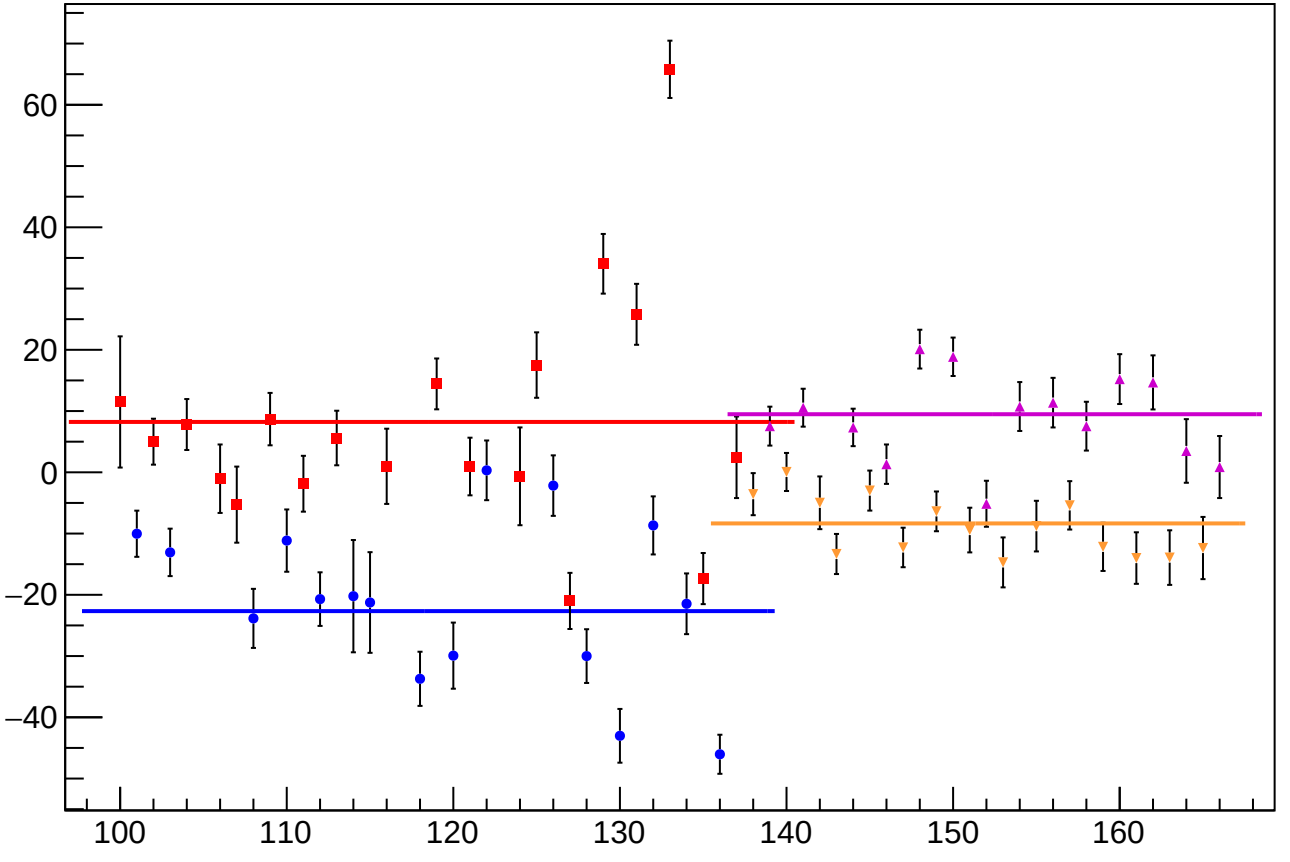
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1818.588+/-0.298 χ^2/NDF:177884.0/29

Out: 1805.380+/-0.291 χ^2/NDF:214515.5/33

All: 1811.834+/-0.208 χ^2/NDF: 393402.8/63

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.346+/-0.959 χ^2/NDF:24.8/14

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.483+/-0.974 χ^2/NDF:50.9/13

Left: 0.424+/-0.683 χ^2/NDF: 245.8/28

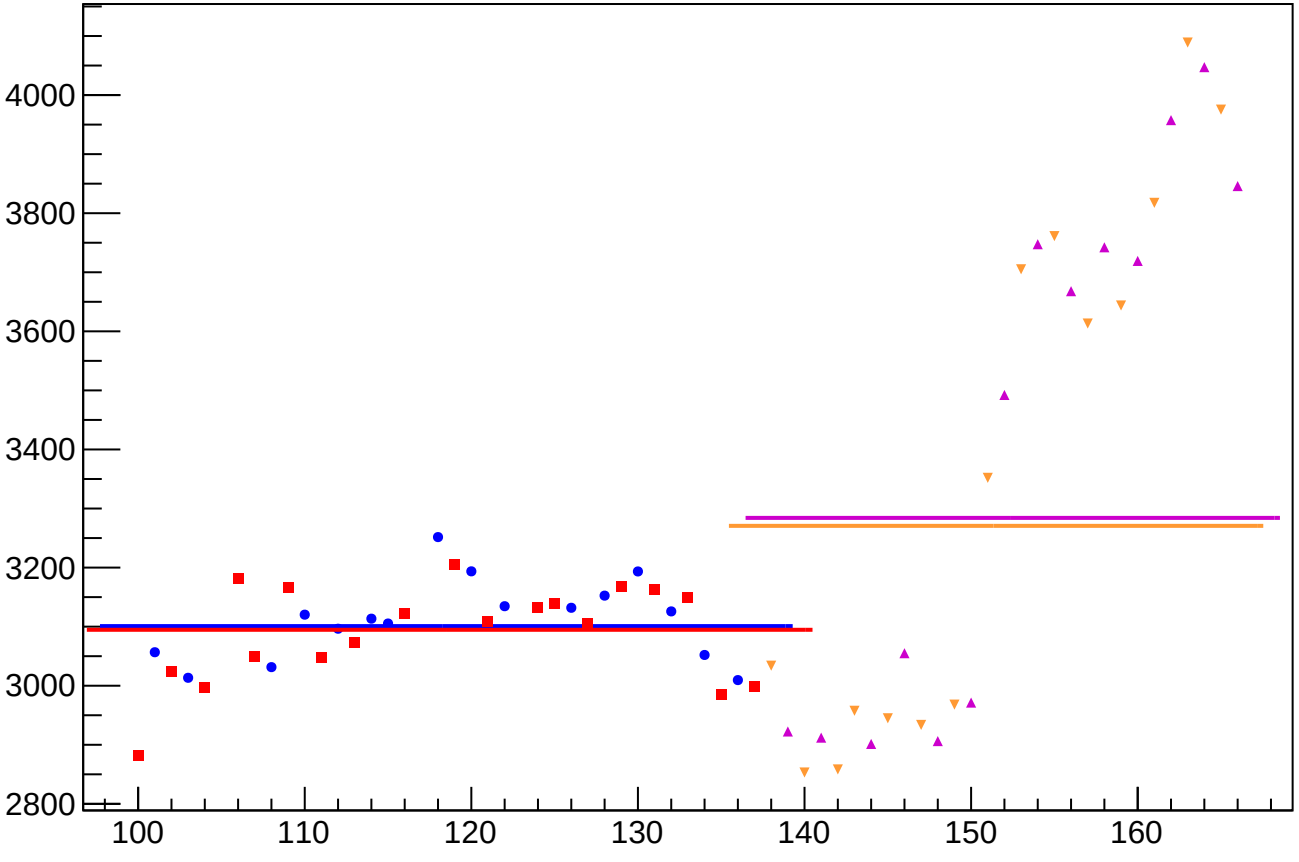
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.922+/-0.744 χ^2/NDF:662.1/29

Out: -1.404+/-0.731 χ^2/NDF:444.8/33

All: -2.640+/-0.521 χ^2/NDF: 1112.7/63

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3270.669+/-0.678 χ^2/NDF:365960.5/14

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3284.159+/-0.689 χ^2/NDF:359244.4/13

Left: 3277.305+/-0.483 χ^2/NDF: 725399.8/28

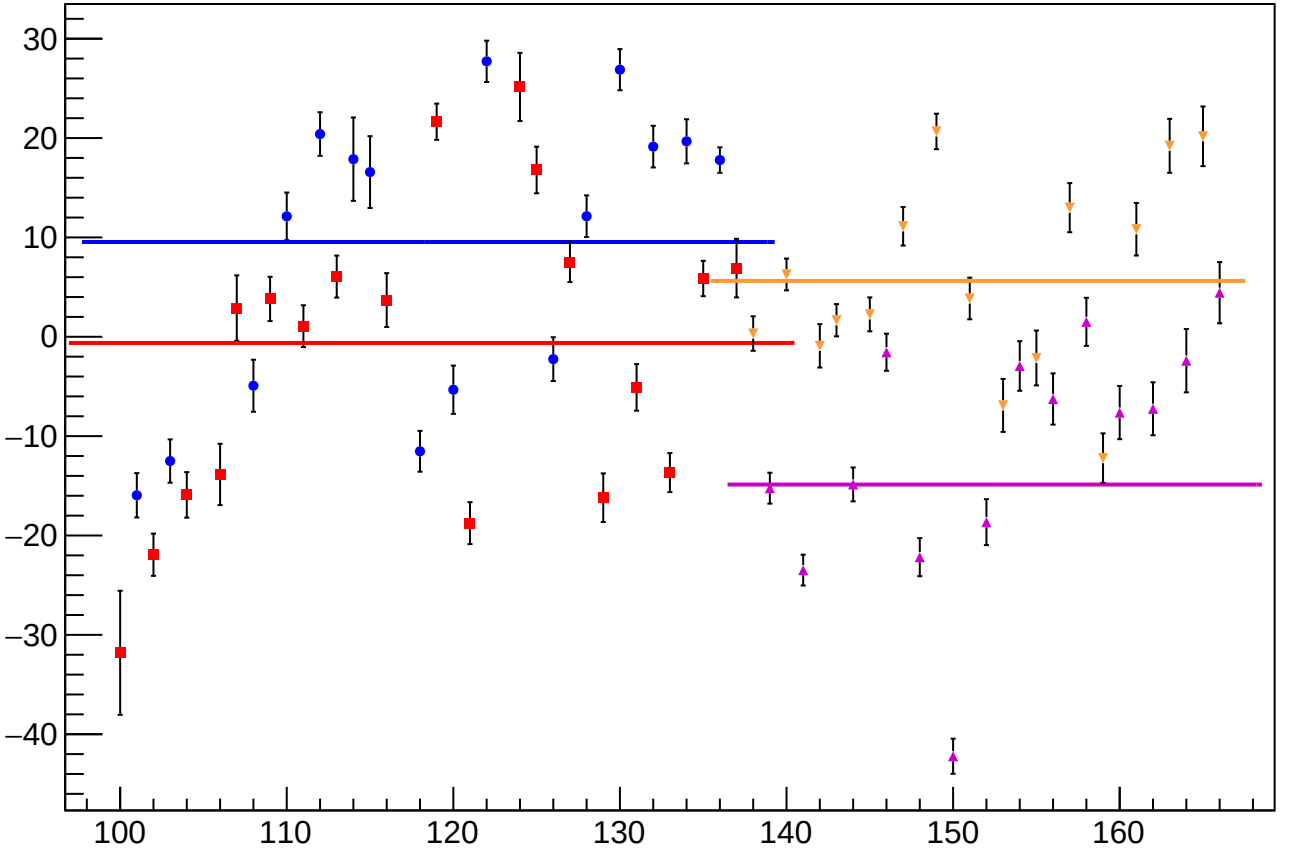
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3207.753+/-0.526 χ^2/NDF:396634.4/29

Out: 3196.935+/-0.517 χ^2/NDF:402787.7/33

All: 3202.247+/-0.369 χ^2/NDF: 799637.4/63

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.627+/-0.538 χ^2/NDF:250.5/14

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -14.872+/-0.559 χ^2/NDF:488.1/13

Left: -4.246+/-0.388 χ^2/NDF: 1436.6/28

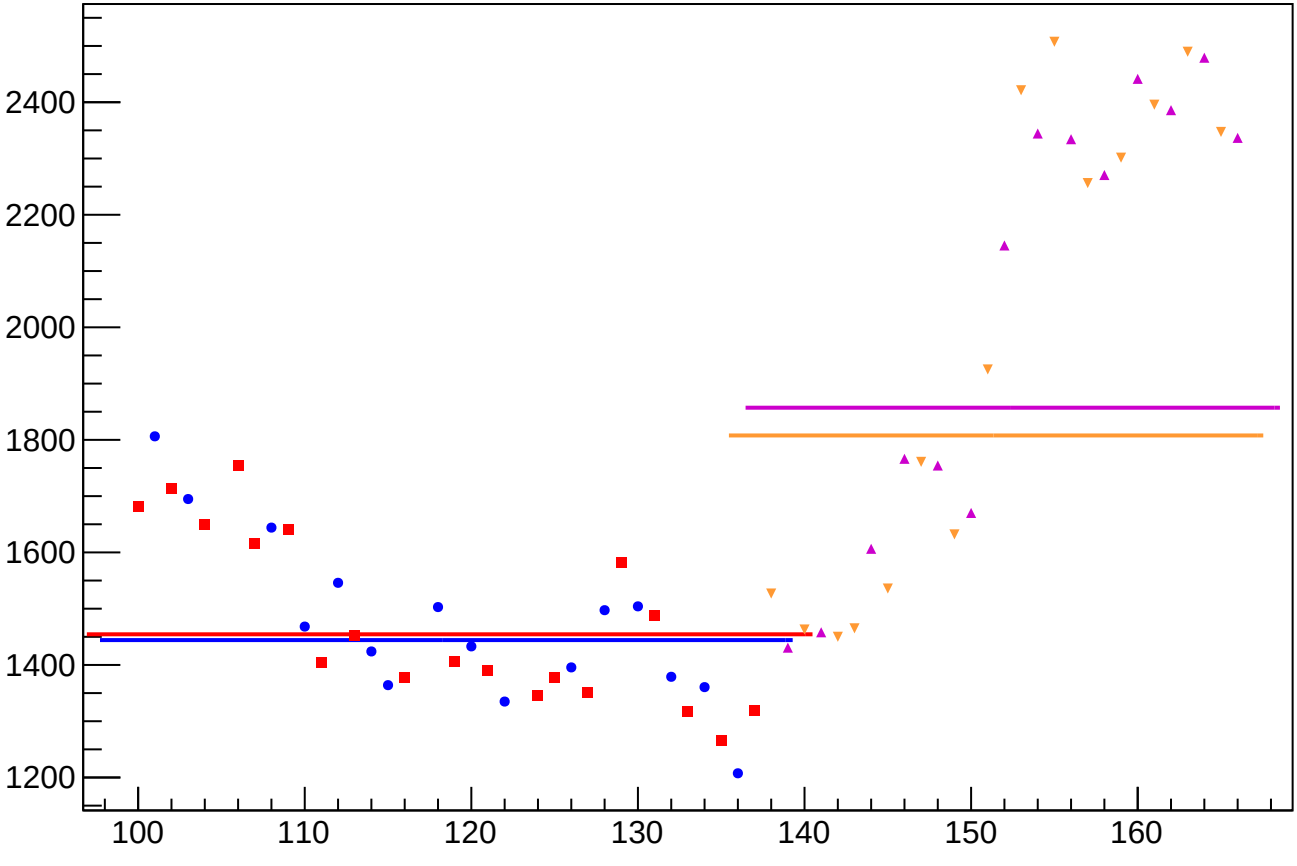
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.281+/-0.389 χ^2/NDF:2171.8/29

Out: 2.478+/-0.379 χ^2/NDF:984.2/33

All: 0.158+/-0.271 χ^2/NDF: 3232.8/63

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1807.838+/-0.381 χ^2/NDF:1034087.9/14

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1857.151+/-0.395 χ^2/NDF:891209.6/13

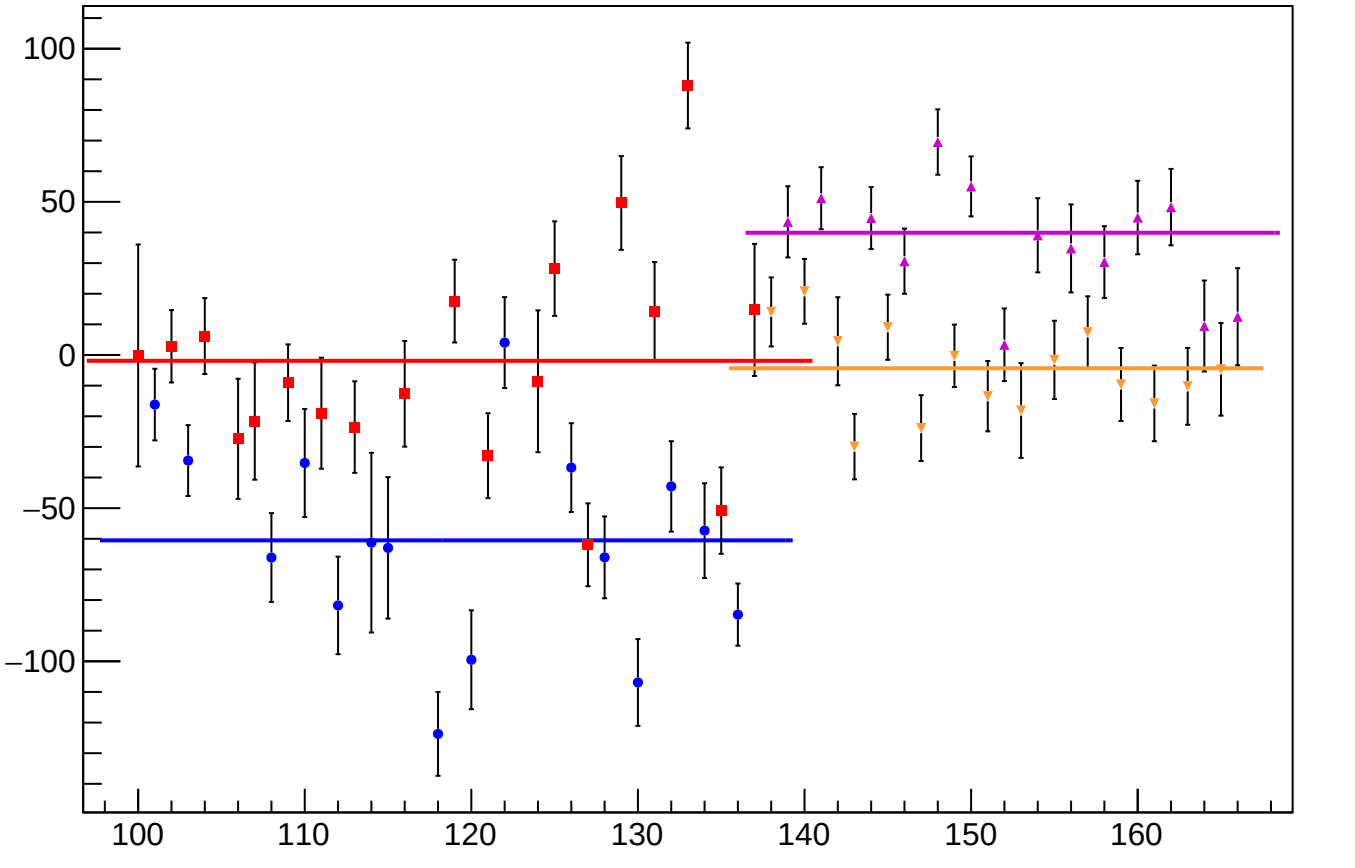
Left: 1831.589+/-0.274 χ^2/NDF: 1933376.5/28

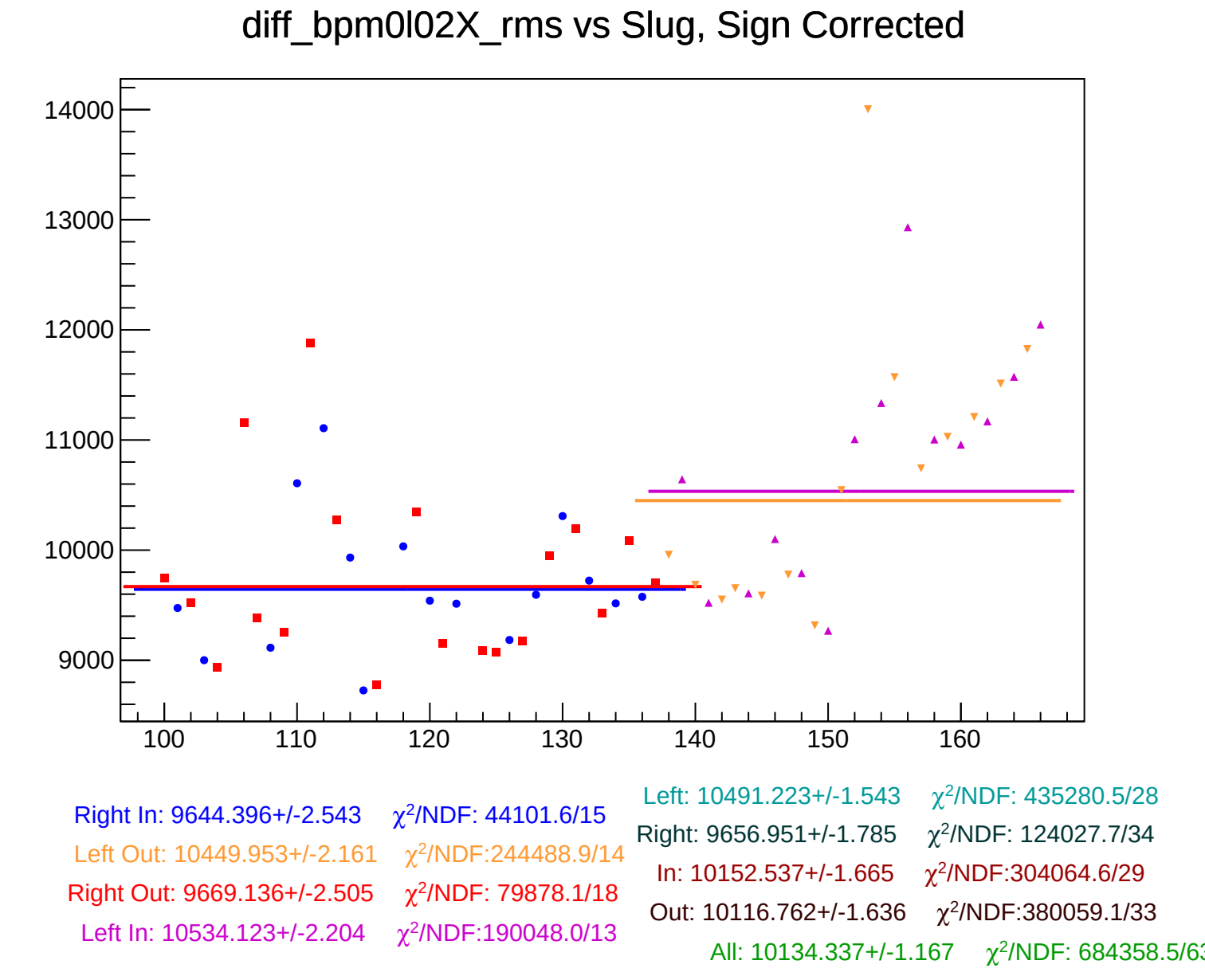
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1644.168+/-0.275 χ^2/NDF:1635059.3/29

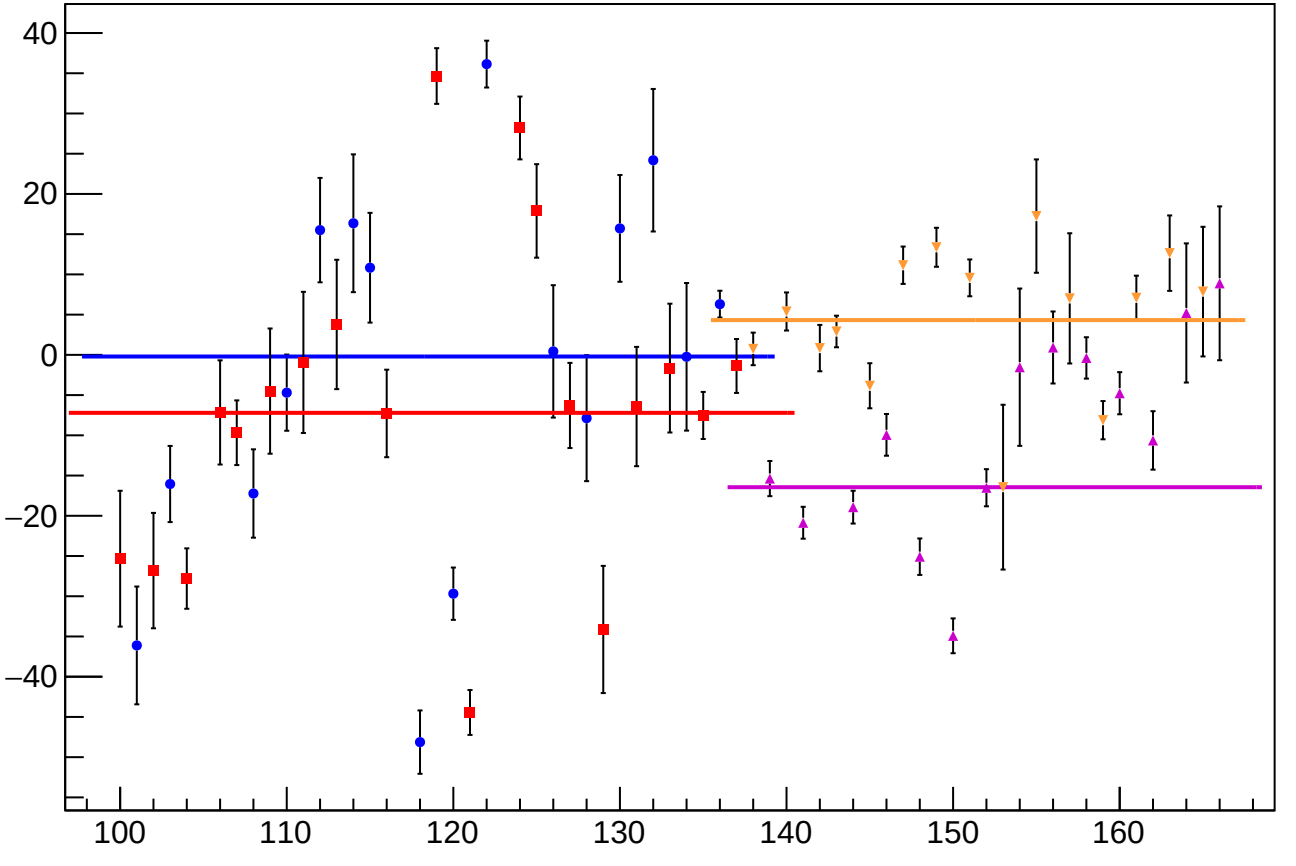
Out: 1629.716+/-0.268 χ^2/NDF:1611016.7/33

All: 1636.763+/-0.192 χ^2/NDF: 3247492.3/63


diff_bpm0l02X_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: -60.516+/-3.596 χ²/NDF: 90.3/15
Left Out: -4.326+/-3.057 χ²/NDF:23.2/14
Right Out: -1.894+/-3.543 χ²/NDF: 103.8/18
Left In: 39.915+/-3.116 χ²/NDF:30.5/13
Left: 17.366+/-2.182 χ²/NDF: 156.5/28
Right: -30.766+/-2.524 χ²/NDF: 329.0/34
In: -3.158+/-2.355 χ²/NDF:566.3/29
Out: -3.288+/-2.314 χ²/NDF:127.3/33
All: -3.224+/-1.651 χ²/NDF: 693.6/63


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10449.953+/-2.161 χ²/NDF:244488.9/14
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10534.123+/-2.204 χ²/NDF:190048.0/13
Left: 10491.223+/-1.543 χ²/NDF: 435280.5/28
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10152.537+/-1.665 χ²/NDF:304064.6/29
Out: 10116.762+/-1.636 χ²/NDF:380059.1/33
All: 10134.337+/-1.167 χ²/NDF: 684358.5/63

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.320+/-0.727 χ^2/NDF:81.0/14

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -16.448+/-0.724 χ^2/NDF:192.5/13

Left: -6.105+/-0.513 χ^2/NDF: 683.1/28

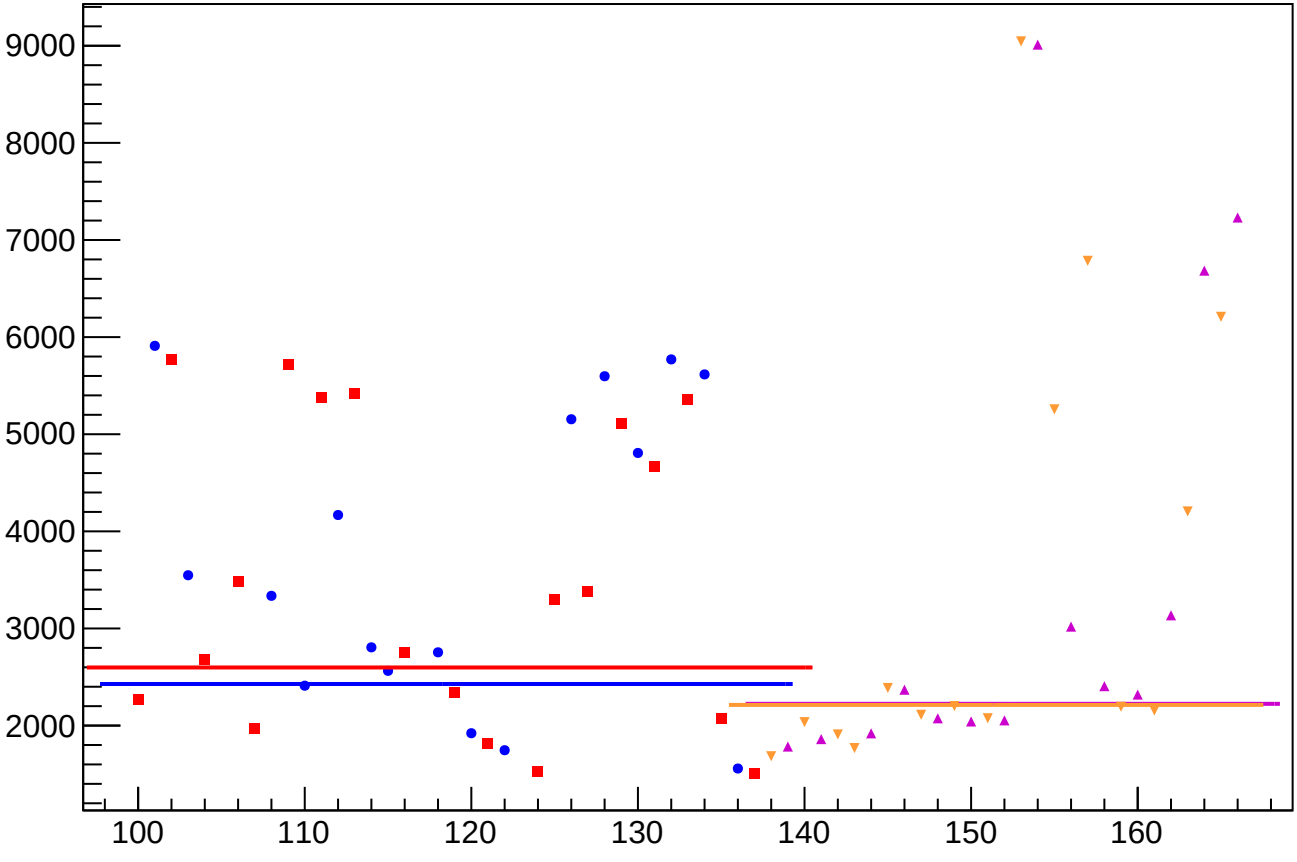
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.181+/-0.595 χ^2/NDF:829.3/29

Out: 0.696+/-0.602 χ^2/NDF:645.6/33

All: -5.309+/-0.423 χ^2/NDF: 1671.8/63

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2212.884+/-0.514 χ^2/NDF:3047840.9/14

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2223.969+/-0.512 χ^2/NDF:2478887.9/13

Left: 2218.448+/-0.363 χ^2/NDF: 5526962.2/28

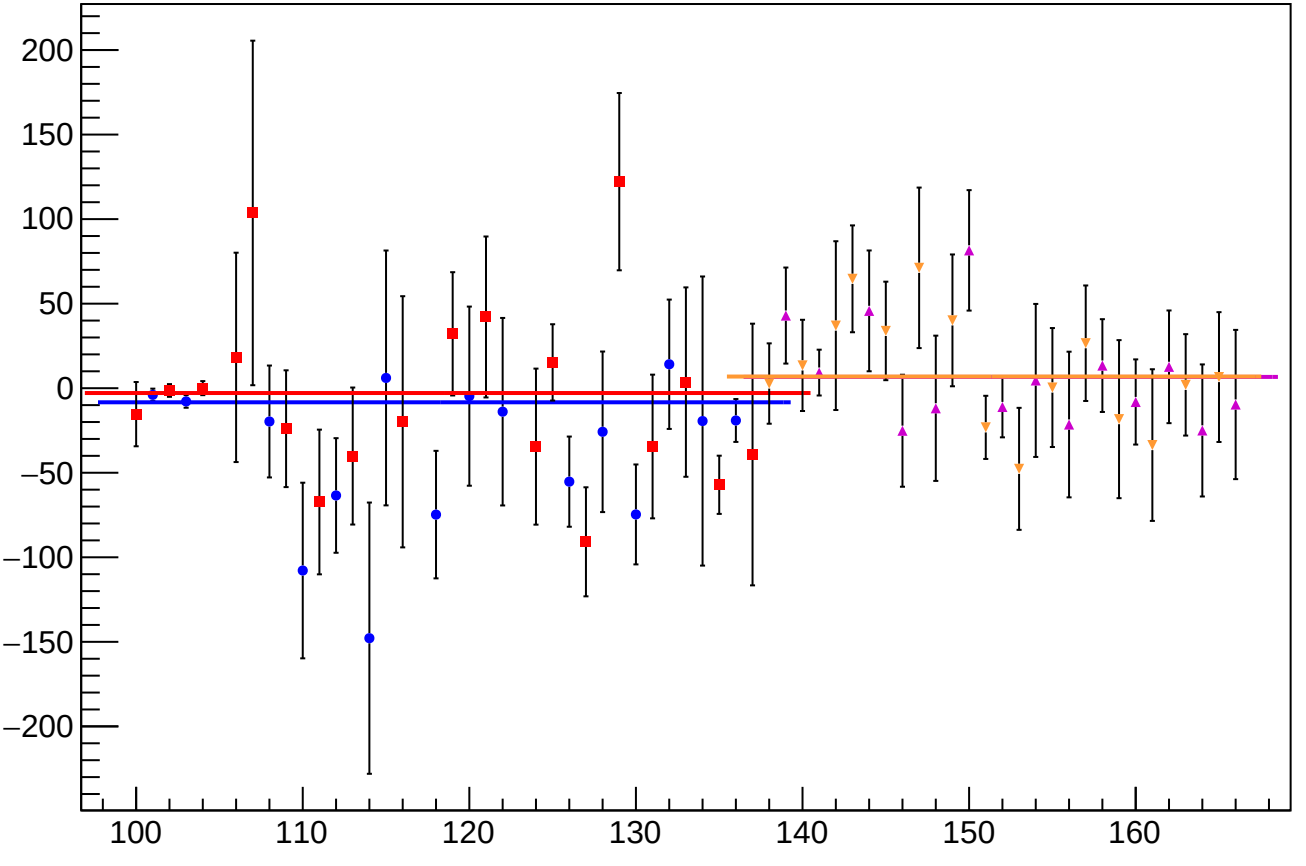
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2290.156+/-0.421 χ^2/NDF:5345747.4/29

Out: 2334.066+/-0.426 χ^2/NDF:5739500.2/33

All: 2311.864+/-0.299 χ^2/NDF: 11090627.8/6

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.898+/-8.199 χ^2/NDF:13.6/14

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 6.678+/-7.291 χ^2/NDF:11.0/13

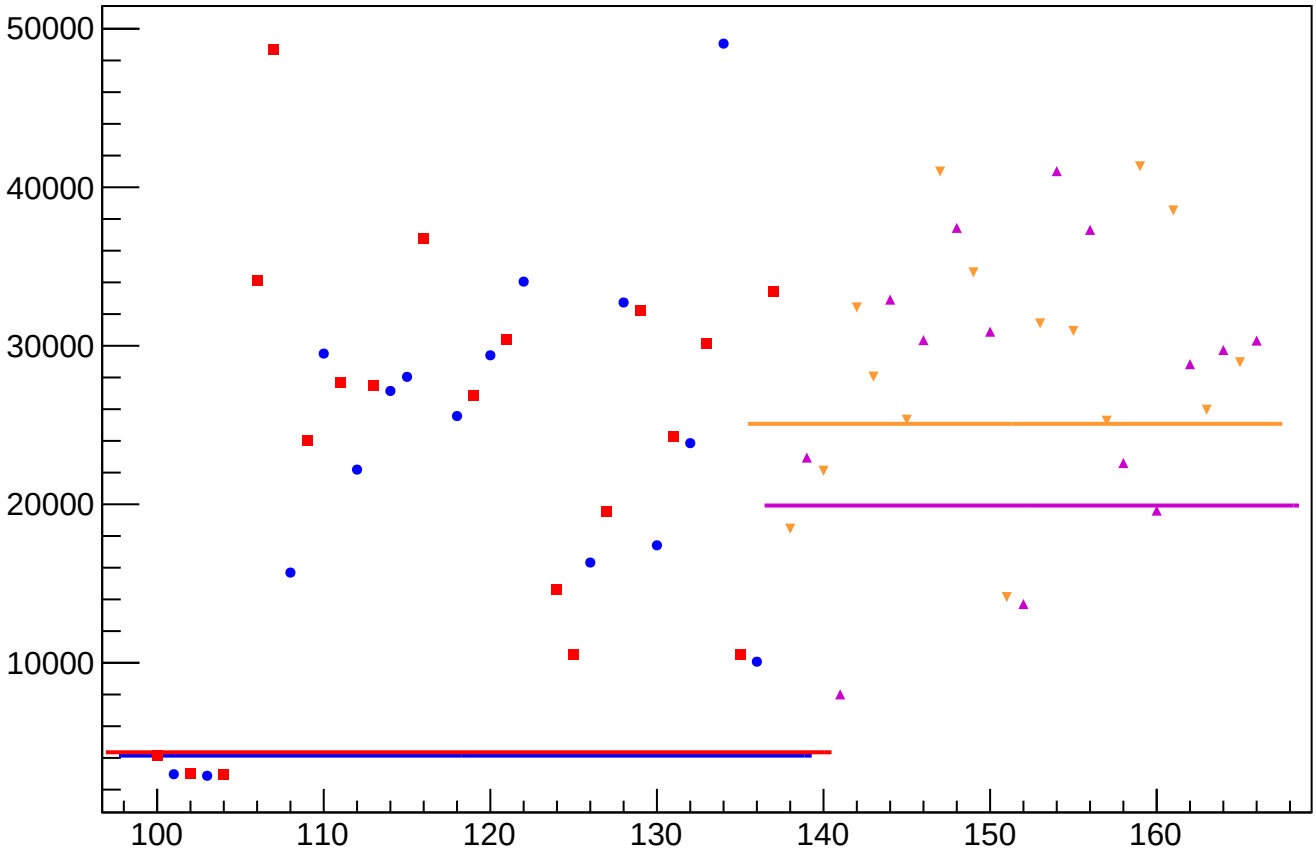
Left: 6.775+/-5.449 χ^2/NDF: 24.6/28

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.754+/-2.364 χ^2/NDF:38.2/29

Out: -1.933+/-2.513 χ^2/NDF:47.5/33

All: -4.490+/-1.722 χ^2/NDF: 87.7/63



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 25076.024+/-5.798 χ^2/NDF:1831589.7/14

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19922.592+/-5.156 χ^2/NDF:3953961.9/13

Left: 22198.292+/-3.853 χ^2/NDF: 6226737.7/28

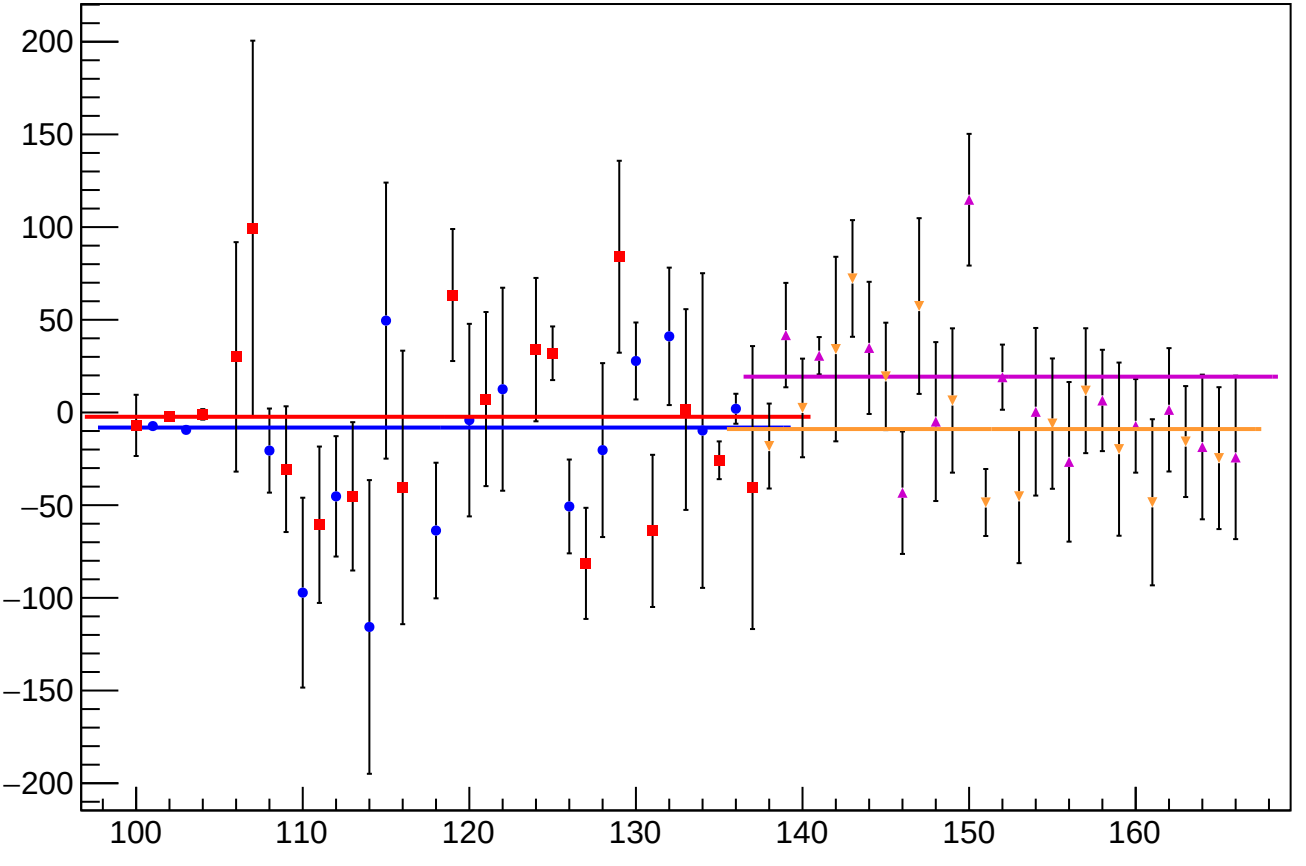
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5804.668+/-1.672 χ^2/NDF:19170062.0/29

Out: 6300.274+/-1.777 χ^2/NDF:21030663.7/33

All: 6037.419+/-1.218 χ^2/NDF: 40241996.6/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.939+/-8.083 χ^2/NDF:18.1/14

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 19.315+/-6.534 χ^2/NDF:18.1/13

Left: 8.149+/-5.081 χ^2/NDF: 43.5/28

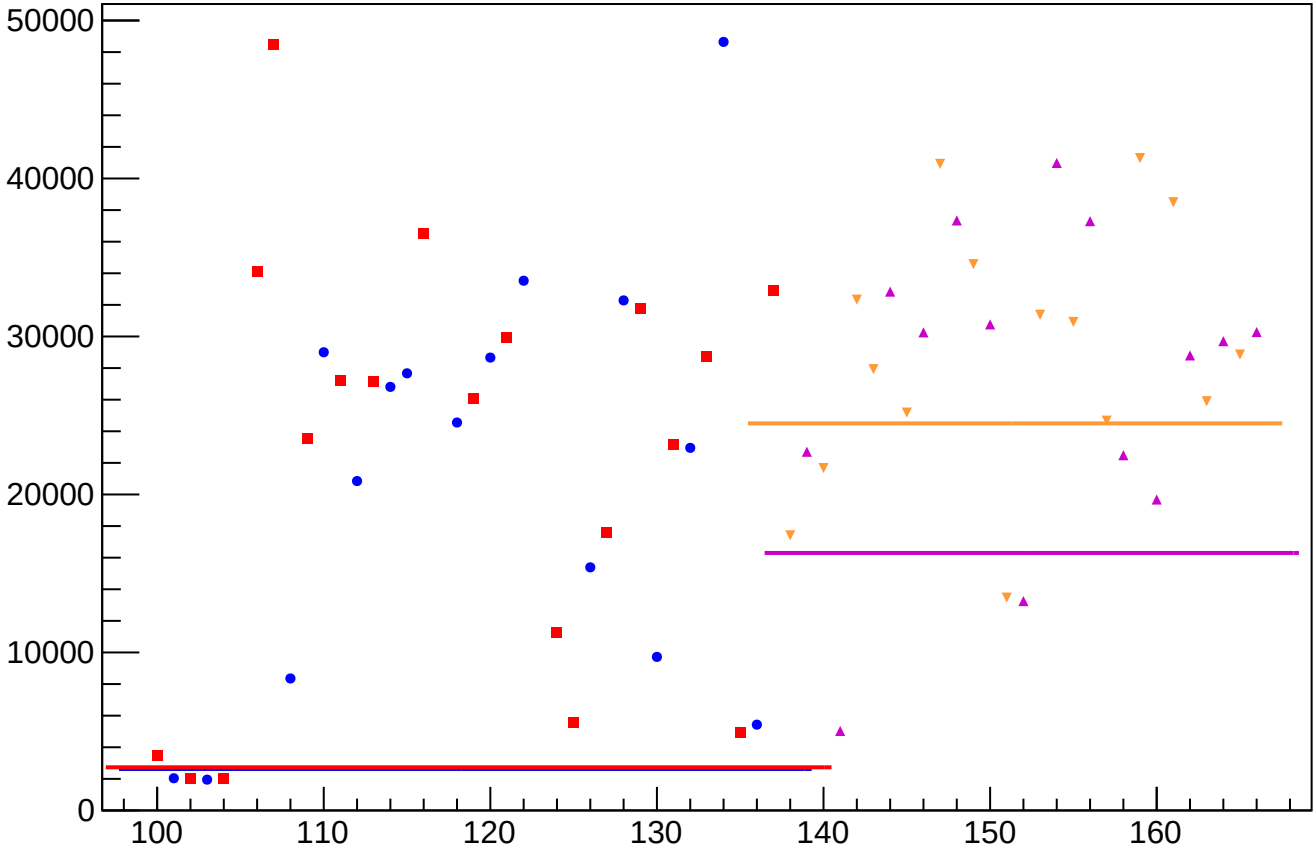
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.353+/-1.664 χ^2/NDF:53.7/29

Out: -2.644+/-1.777 χ^2/NDF:51.8/33

All: -4.621+/-1.215 χ^2/NDF: 107.8/63

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24498.208+/-5.715 χ^2/NDF:2031121.4/14

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16298.616+/-4.620 χ^2/NDF:6202354.8/13

Left: 19539.093+/-3.593 χ^2/NDF: 9478268.6/28

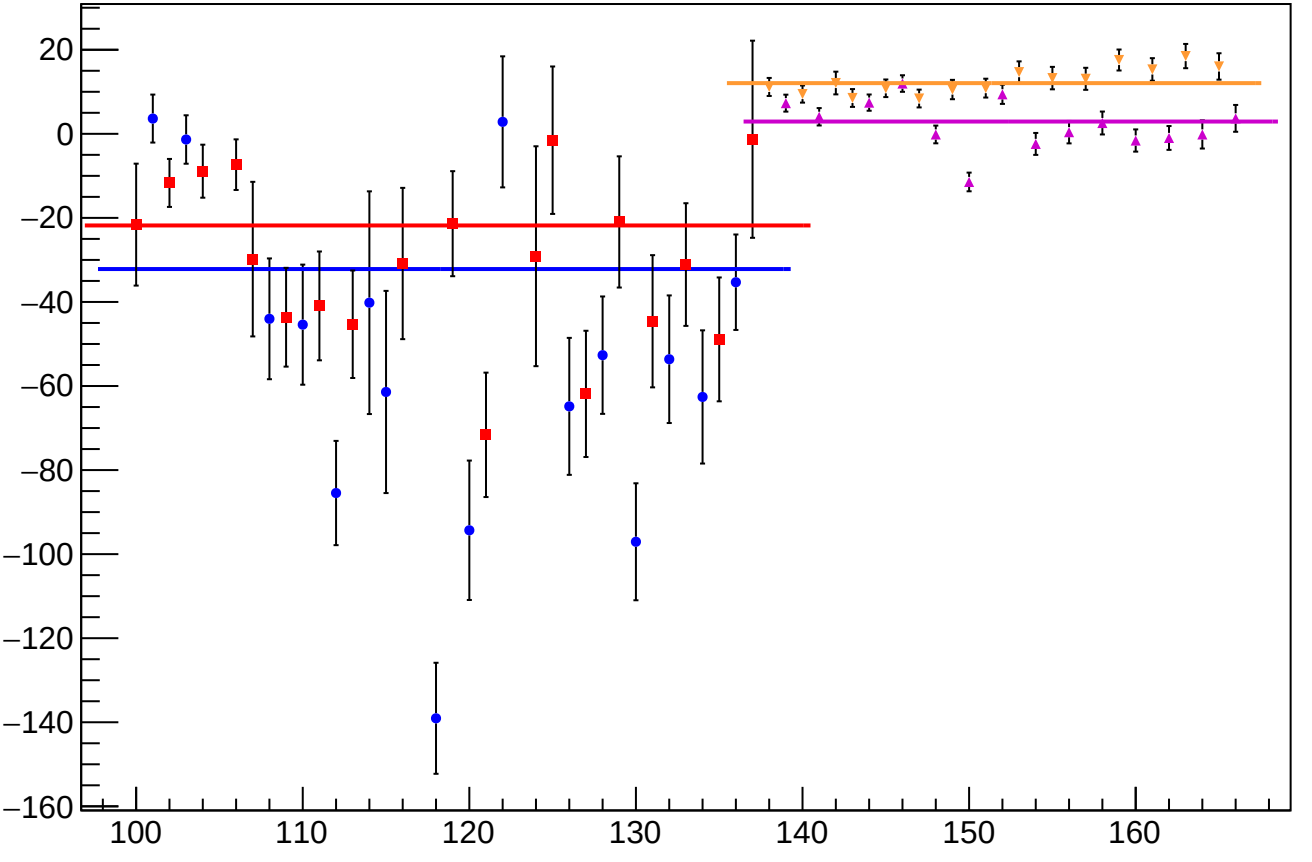
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3512.863+/-1.176 χ^2/NDF:21172788.4/29

Out: 3782.453+/-1.257 χ^2/NDF:23821559.5/33

All: 3638.783+/-0.859 χ^2/NDF: 45018877.1/6

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.062+/-0.618 χ^2/NDF:22.9/14

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 2.922+/-0.632 χ^2/NDF:94.3/13

Left: 7.595+/-0.442 χ^2/NDF: 224.0/28

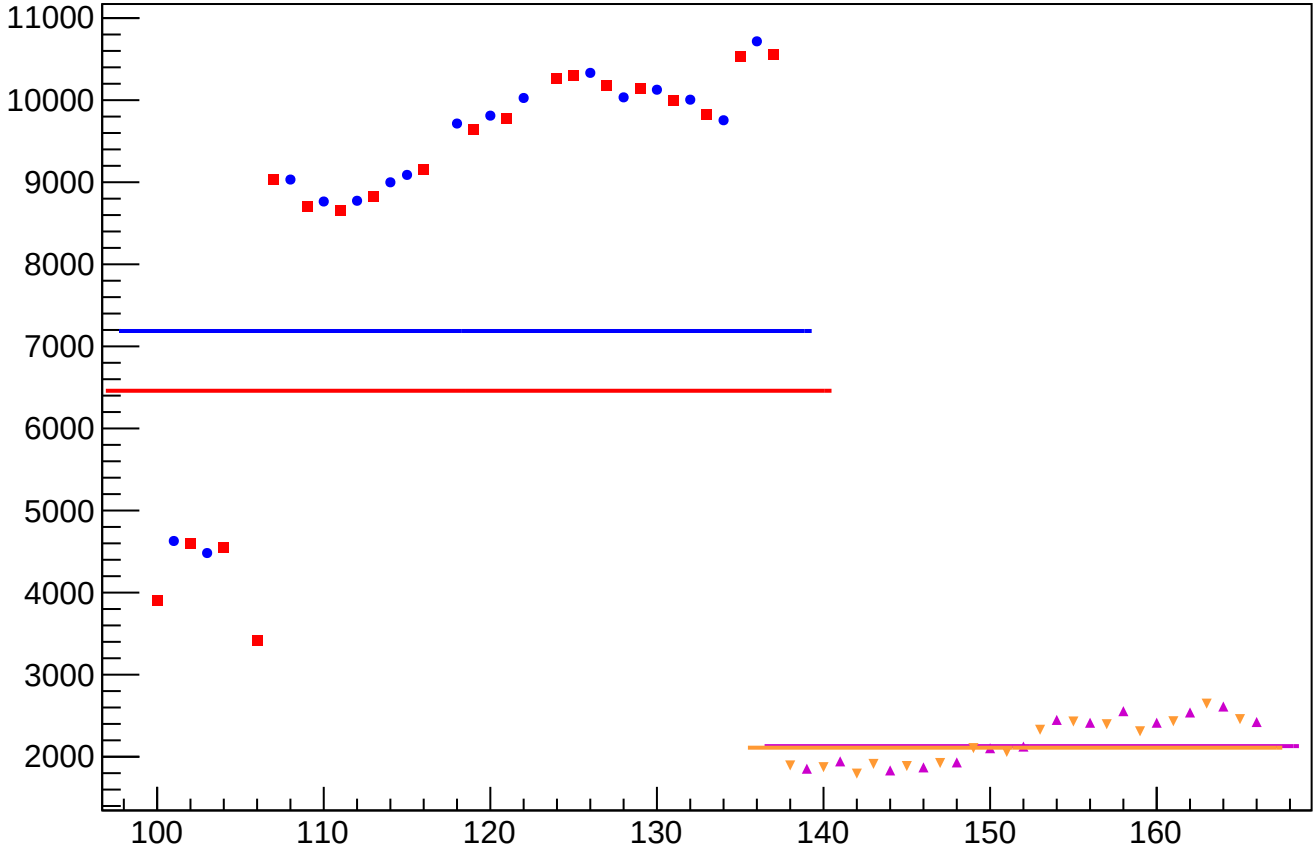
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.265+/-0.617 χ^2/NDF:447.4/29

Out: 10.192+/-0.601 χ^2/NDF:237.7/33

All: 5.848+/-0.431 χ^2/NDF: 792.4/63

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2110.441+/-0.437 χ^2/NDF:333812.6/14

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2129.606+/-0.447 χ^2/NDF:377865.7/13

Left: 2119.808+/-0.313 χ^2/NDF: 712617.3/28

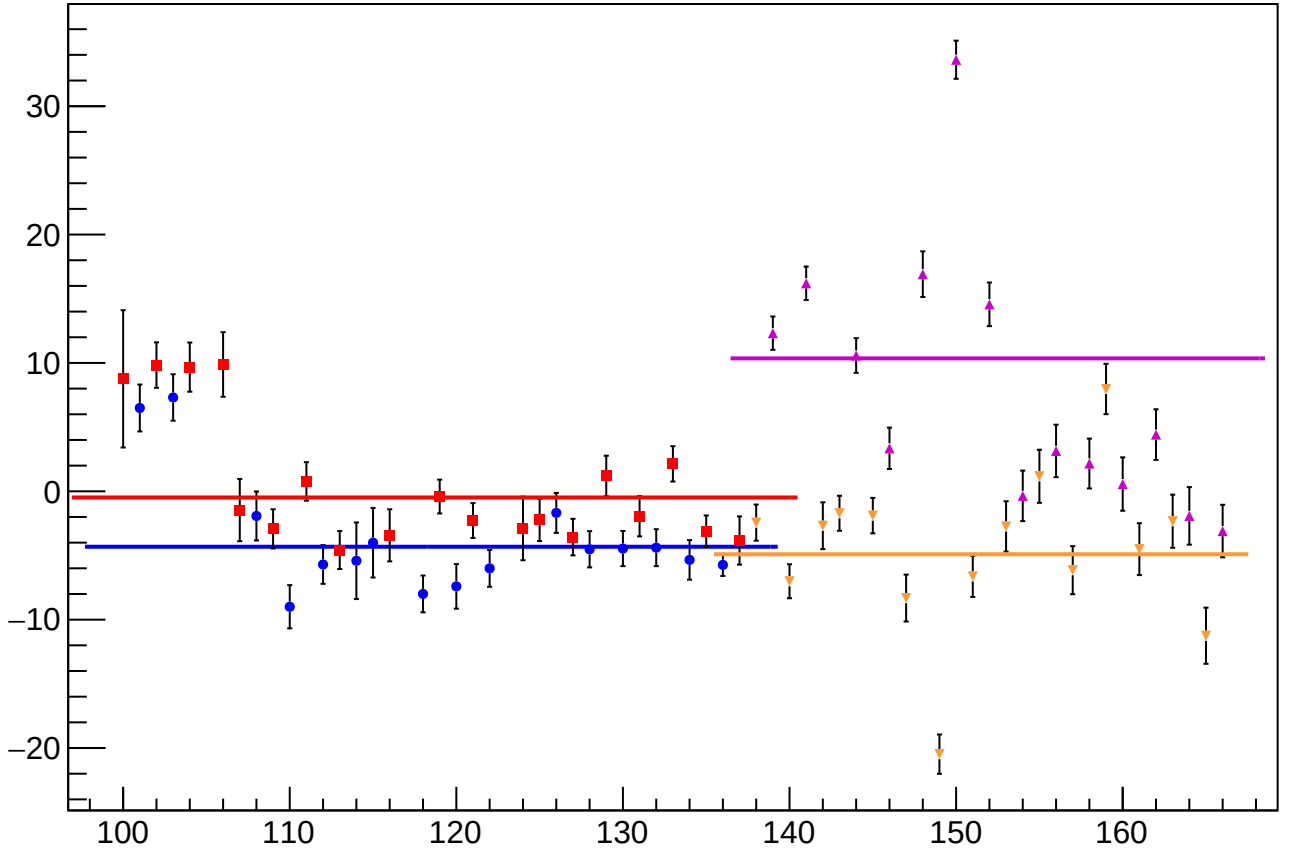
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2368.300+/-0.437 χ^2/NDF:8120308.0/29

Out: 2350.673+/-0.425 χ^2/NDF:8074444.2/33

All: 2359.251+/-0.305 χ^2/NDF: 16195589.2/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.902+/-0.435 χ^2/NDF:188.8/14

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 10.356+/-0.451 χ^2/NDF:470.7/13

Left: 2.456+/-0.313 χ^2/NDF: 1252.5/28

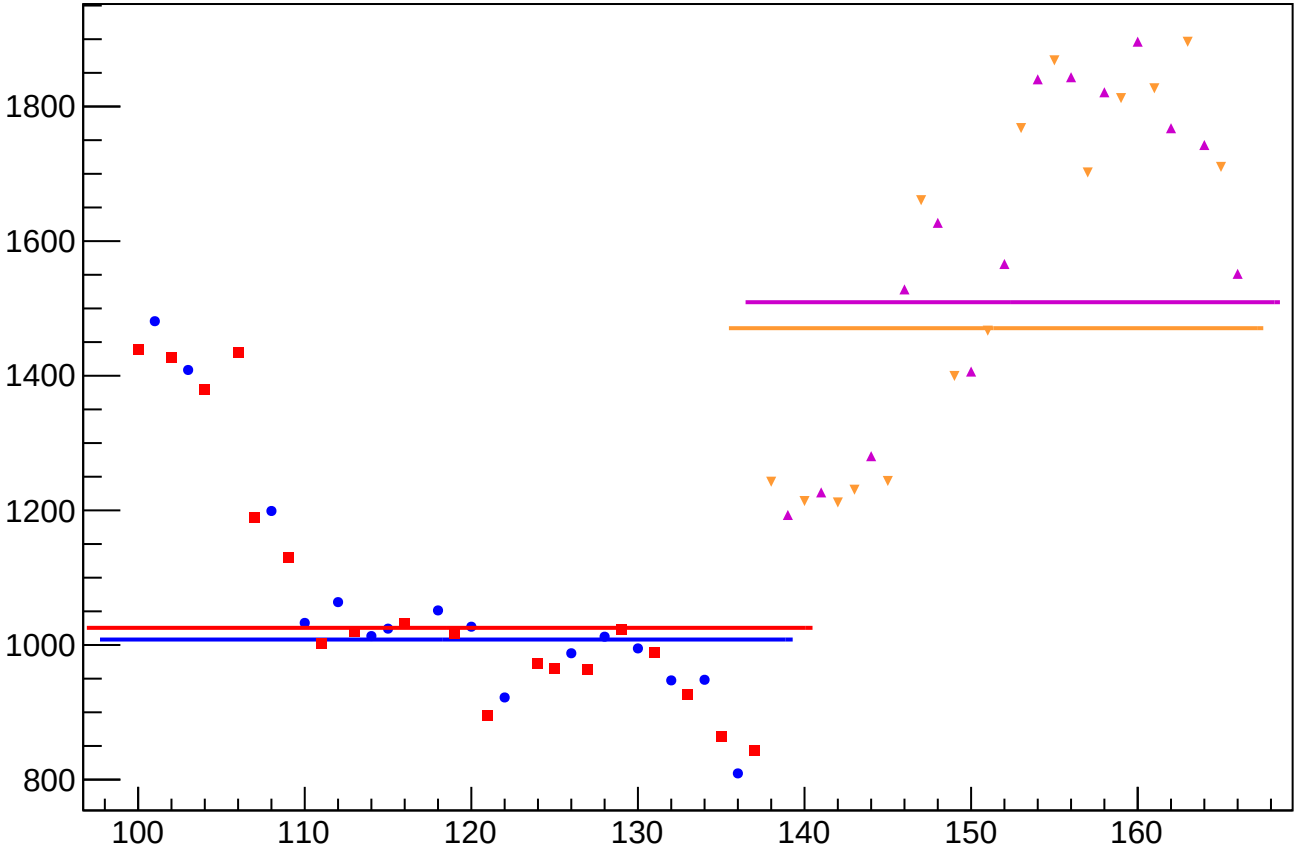
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.771+/-0.290 χ^2/NDF:1194.2/29

Out: -2.386+/-0.286 χ^2/NDF:364.8/33

All: -0.342+/-0.204 χ^2/NDF: 1663.1/63

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1470.663+/-0.308 χ^2/NDF:692115.3/14

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1509.264+/-0.319 χ^2/NDF:578618.6/13

Left: 1489.278+/-0.221 χ^2/NDF: 1278324.9/28

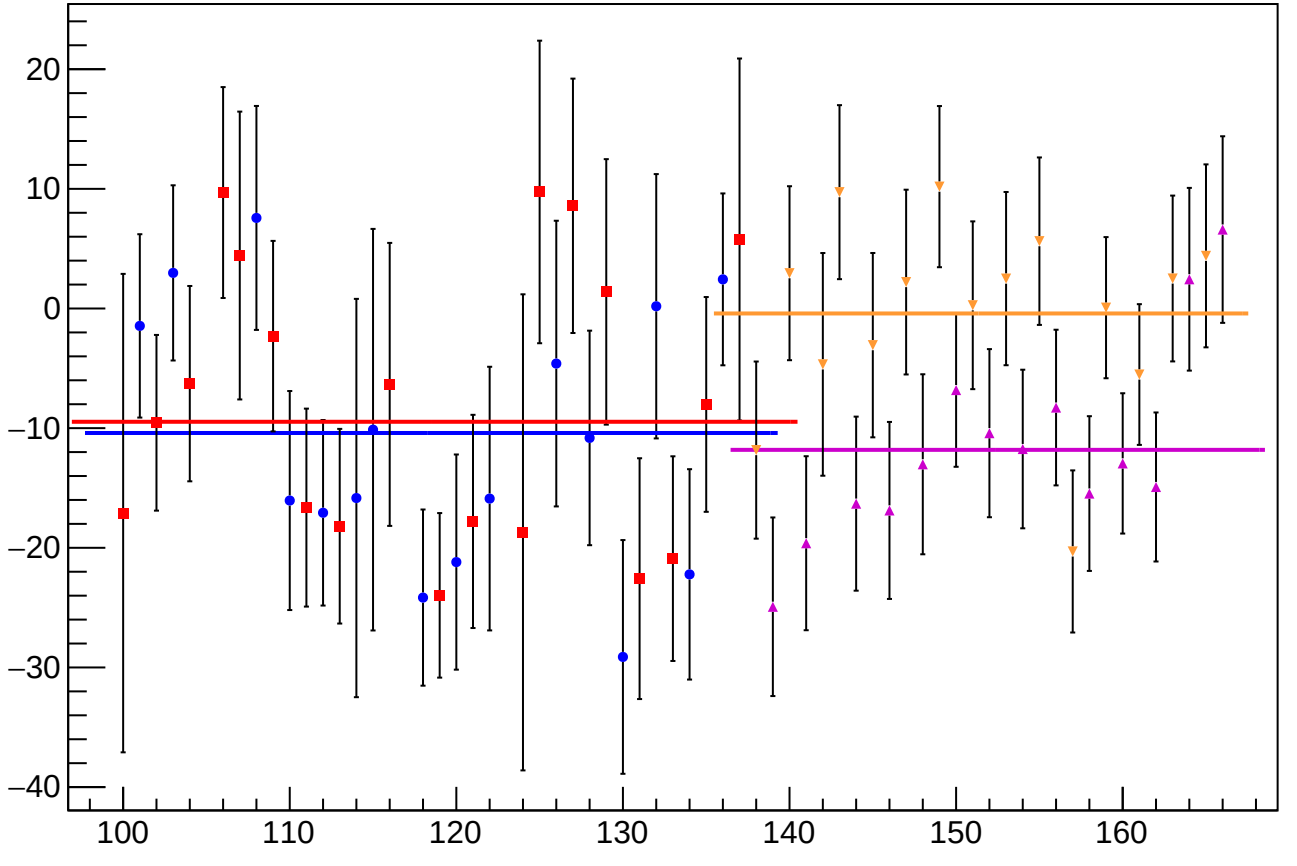
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1216.100+/-0.205 χ^2/NDF:2403052.0/29

Out: 1217.341+/-0.202 χ^2/NDF:2229474.6/33

All: 1216.731+/-0.144 χ^2/NDF: 4632545.2/63

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.415+/-1.824 χ^2/NDF:18.3/14

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.813+/-1.841 χ^2/NDF:15.7/13

Left: -6.062+/-1.296 χ^2/NDF: 53.4/28

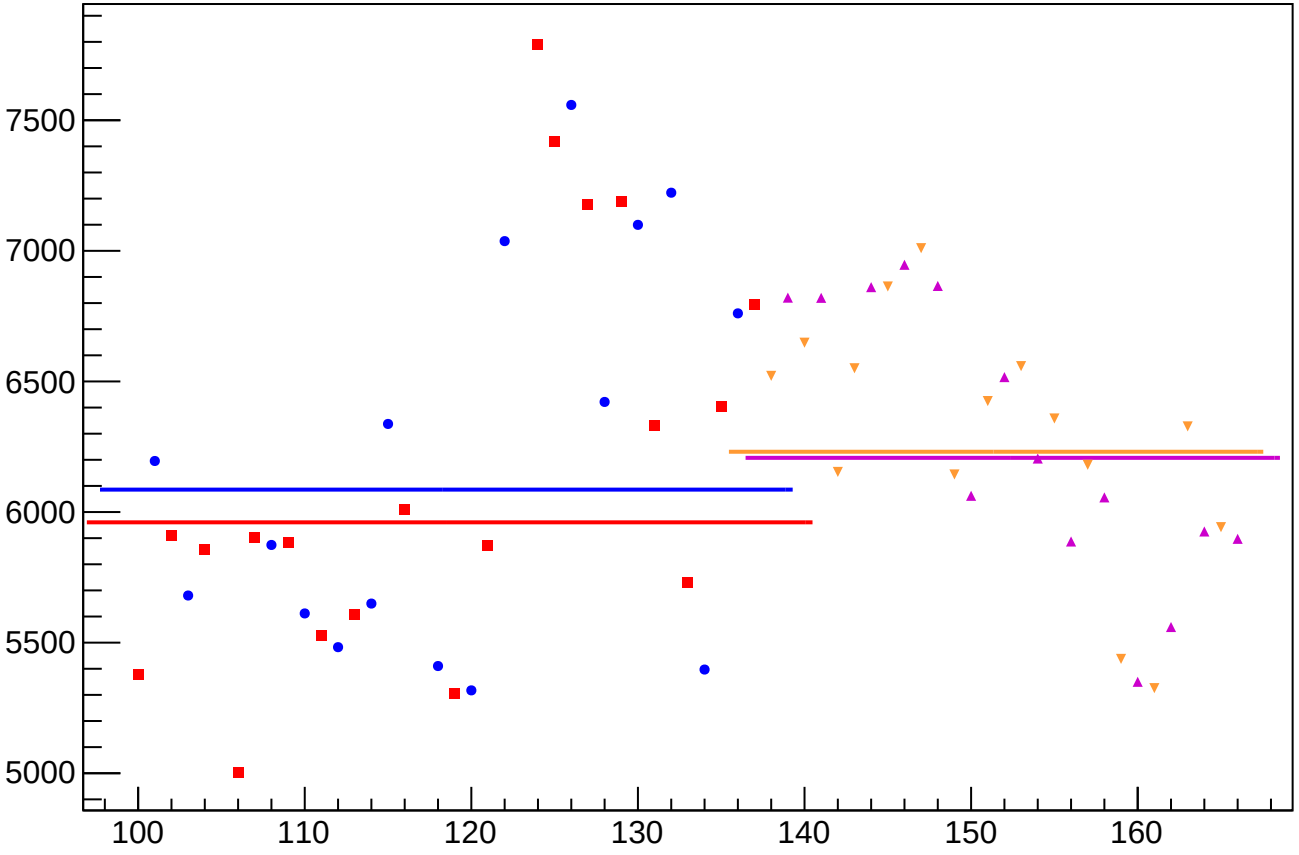
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.257+/-1.432 χ^2/NDF:40.6/29

Out: -4.121+/-1.402 χ^2/NDF:53.8/33

All: -7.612+/-1.002 χ^2/NDF: 107.0/63

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6230.847+/-1.290 χ^2/NDF:141045.4/14

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6207.526+/-1.302 χ^2/NDF:160260.4/13

Left: 6219.293+/-0.916 χ^2/NDF: 301467.7/28

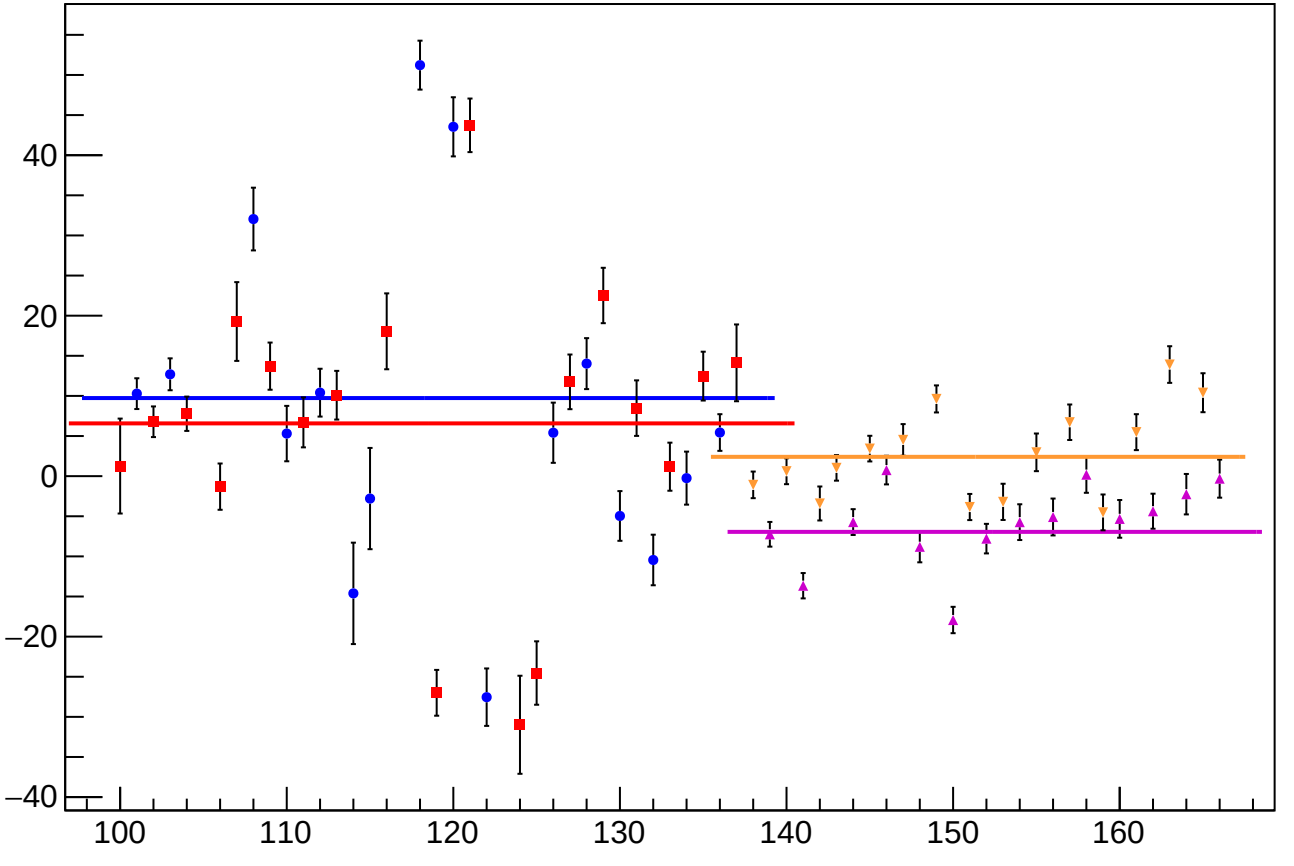
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6159.517+/-1.013 χ^2/NDF:342826.0/29

Out: 6120.210+/-0.991 χ^2/NDF:321788.1/33

All: 6139.441+/-0.708 χ^2/NDF: 665383.4/63

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.408+/-0.495 χ^2/NDF:106.3/14

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.944+/-0.515 χ^2/NDF:107.2/13

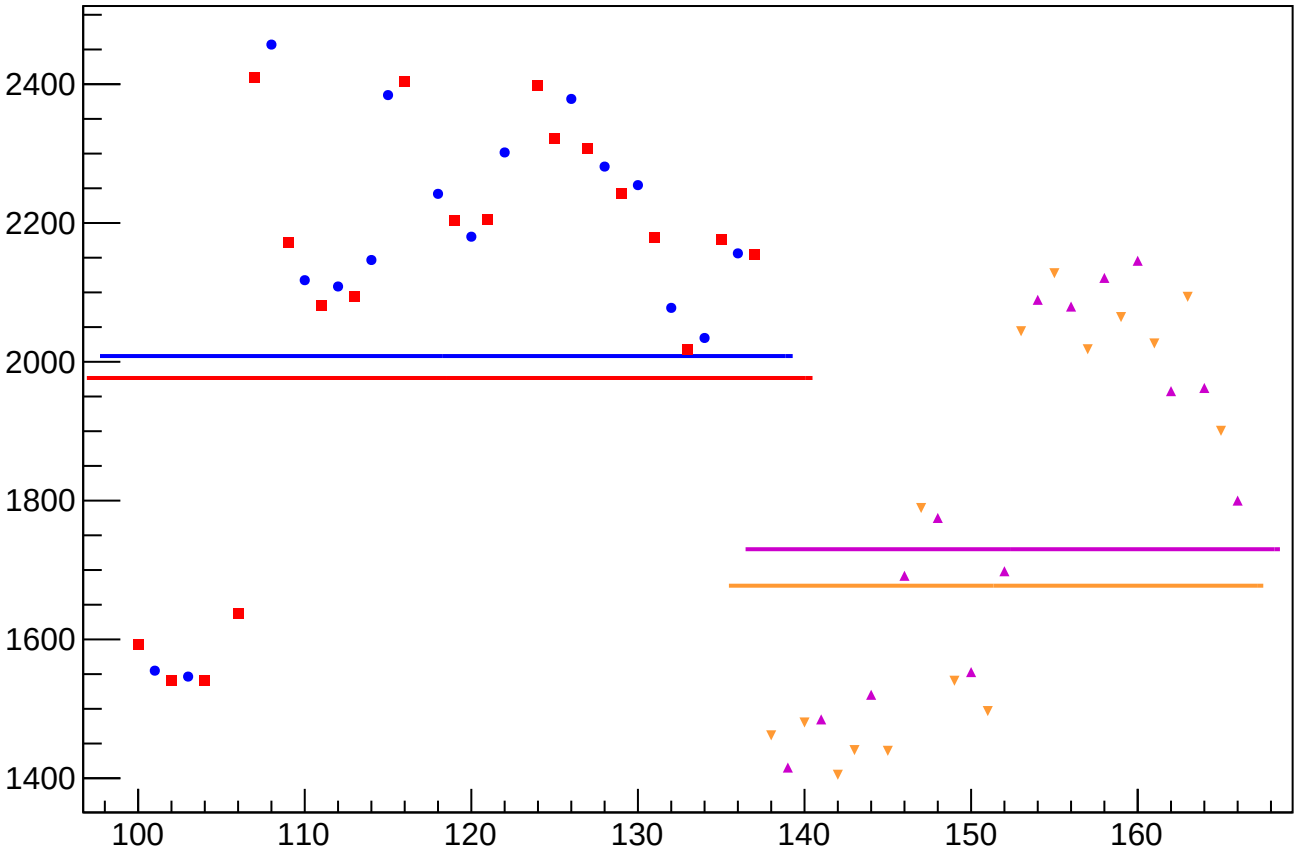
Left: -2.079+/-0.357 χ^2/NDF: 384.9/28

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.644+/-0.426 χ^2/NDF:952.5/29

Out: 3.719+/-0.410 χ^2/NDF:552.4/33

All: 1.140+/-0.295 χ^2/NDF: 1587.3/63



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1677.406+/-0.350 χ^2/NDF:595284.0/14

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1729.966+/-0.364 χ^2/NDF:452660.9/13

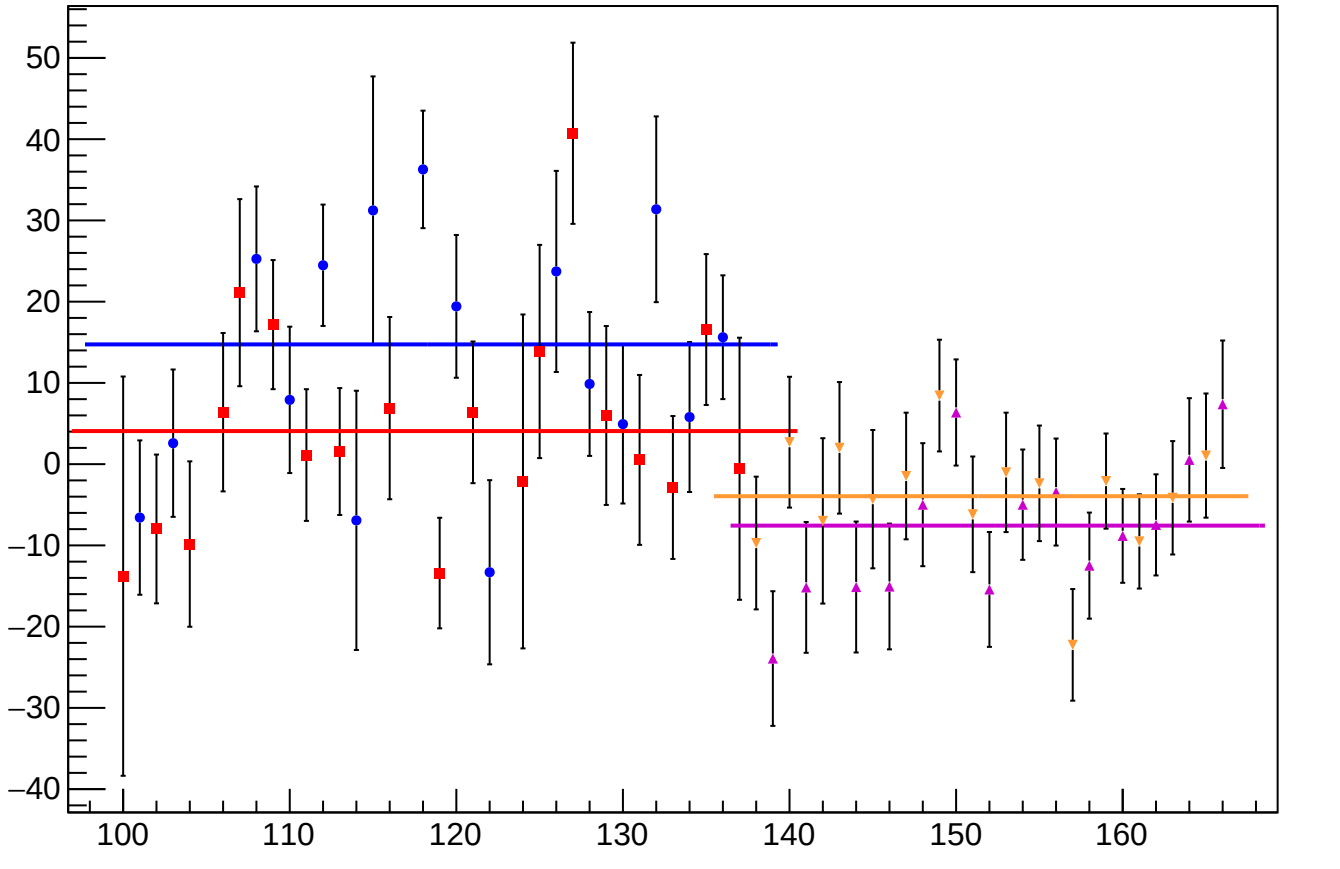
Left: 1702.622+/-0.252 χ^2/NDF: 1058772.9/28

Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

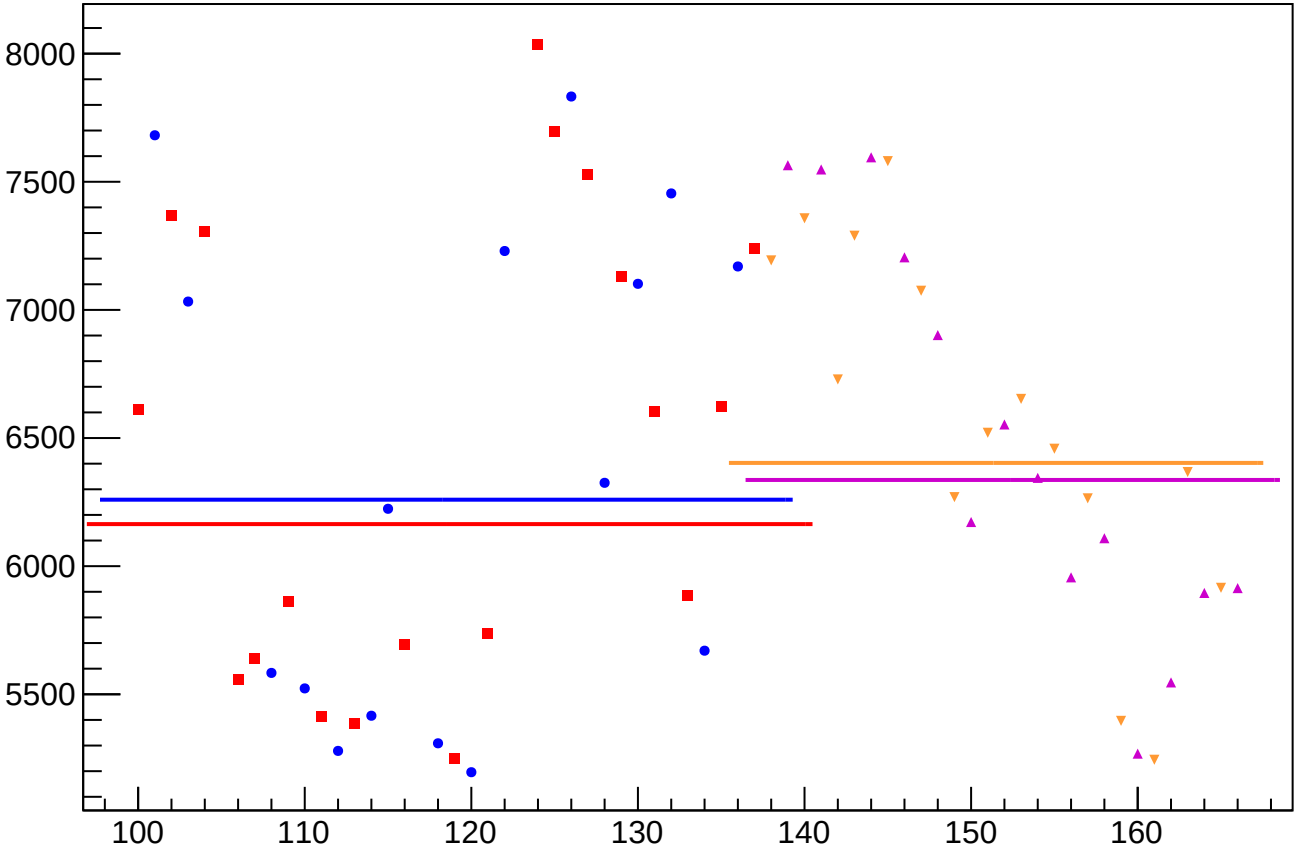
In: 1818.414+/-0.301 χ^2/NDF:982515.0/29

Out: 1771.552+/-0.290 χ^2/NDF:1190843.5/33

All: 1794.089+/-0.209 χ^2/NDF: 2185947.0/63


diff_bpm0l06X_mean vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
Right In: 14.739+/-2.358 χ²/NDF: 33.5/15
Left Out: -3.946+/-1.882 χ²/NDF:14.0/14
Right Out: 4.072+/-2.274 χ²/NDF: 30.2/18
Left In: -7.565+/-1.888 χ²/NDF:18.4/13
Left: -5.749+/-1.333 χ²/NDF: 34.3/28
Right: 9.212+/-1.637 χ²/NDF: 74.3/34
In: 1.150+/-1.474 χ²/NDF:106.5/29
Out: -0.687+/-1.450 χ²/NDF:51.6/33
All: 0.216+/-1.033 χ²/NDF: 158.8/63

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6402.938+/-1.331 χ^2/NDF:277479.7/14

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6336.414+/-1.335 χ^2/NDF:299772.3/13

Left: 6369.786+/-0.942 χ^2/NDF: 578497.6/28

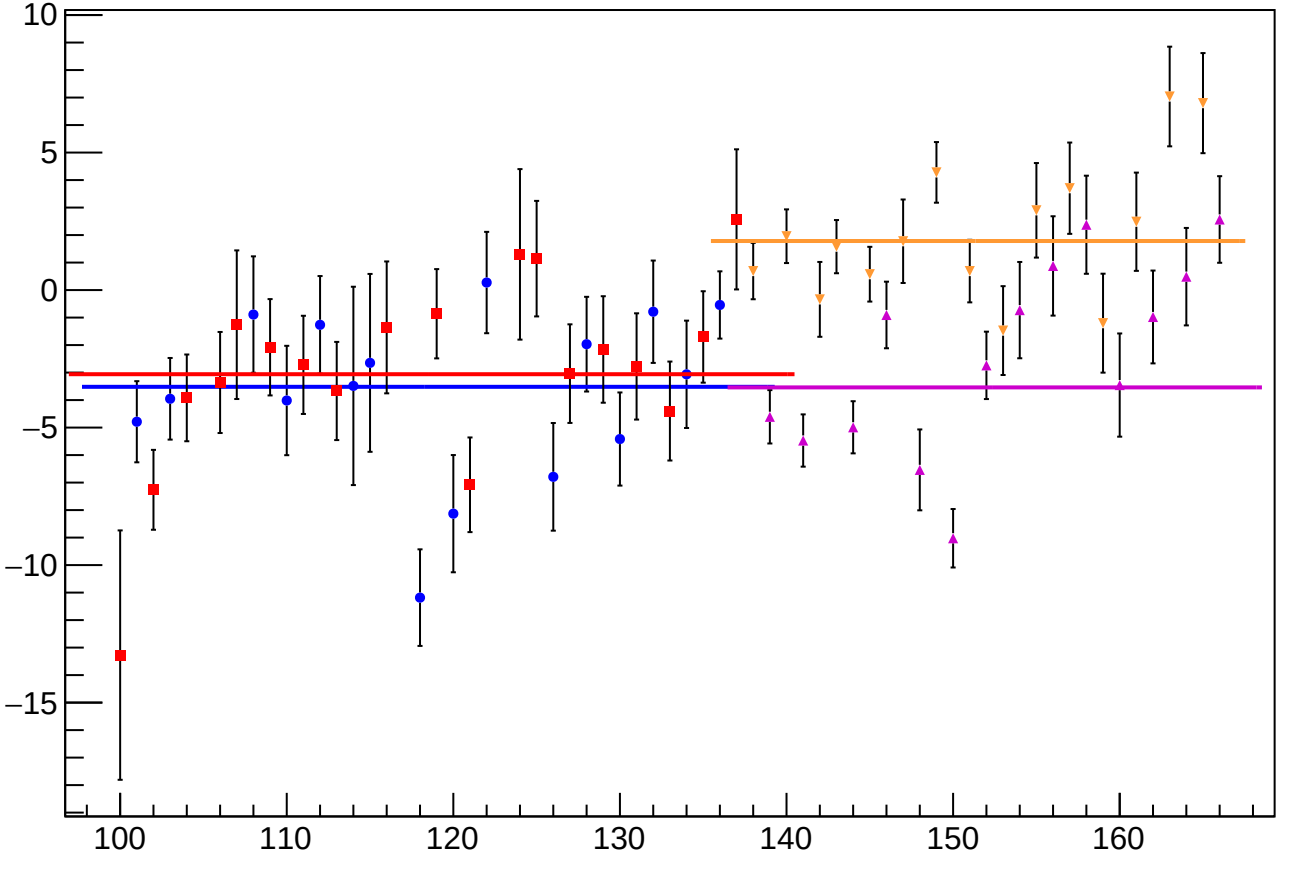
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6306.330+/-1.042 χ^2/NDF:609678.8/29

Out: 6305.868+/-1.025 χ^2/NDF:555631.0/33

All: 6306.095+/-0.731 χ^2/NDF: 1165309.9/63

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.784+/-0.334 χ^2/NDF:35.9/14

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -3.539+/-0.347 χ^2/NDF:85.7/13

Left: -0.773+/-0.241 χ^2/NDF: 243.6/28

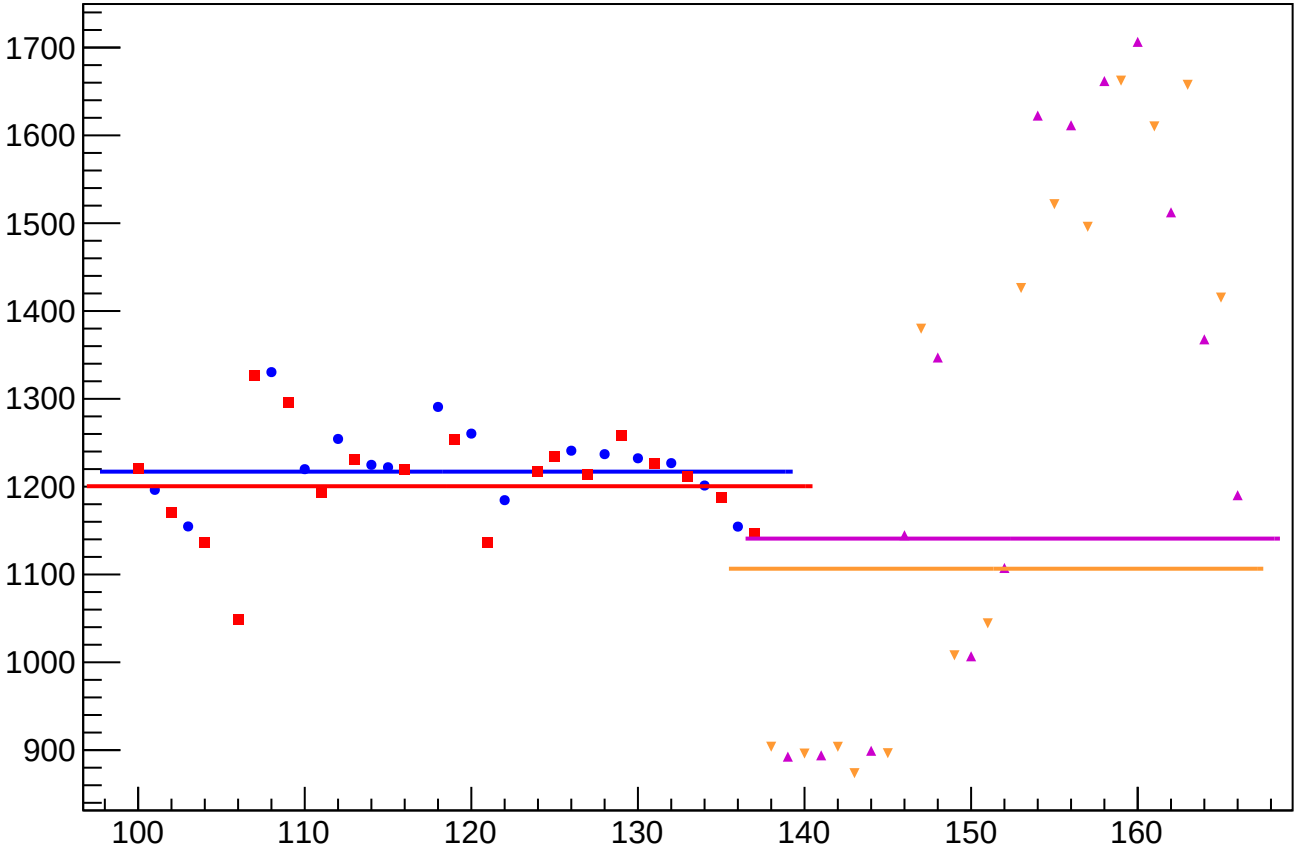
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.531+/-0.276 χ^2/NDF:130.8/29

Out: 0.005+/-0.266 χ^2/NDF:147.9/33

All: -1.699+/-0.191 χ^2/NDF: 364.0/63

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1106.555+/-0.236 χ^2/NDF:1404796.8/14

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1140.858+/-0.246 χ^2/NDF:1239696.6/13

Left: 1123.029+/-0.170 χ^2/NDF: 2654623.5/28

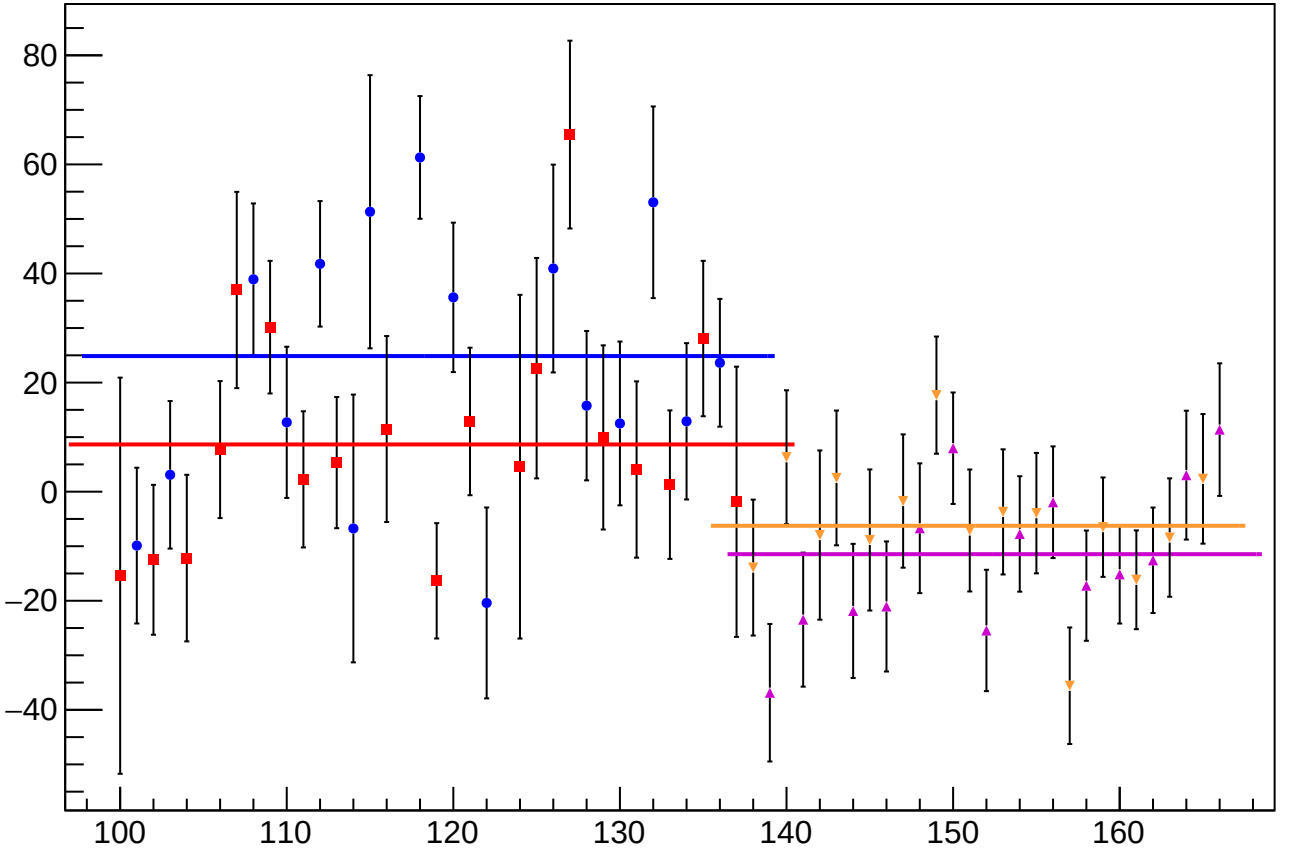
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1169.144+/-0.195 χ^2/NDF:1297103.6/29

Out: 1141.065+/-0.188 χ^2/NDF:1500565.3/33

All: 1154.591+/-0.135 χ^2/NDF: 2808430.7/63

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.253+/-2.917 χ^2/NDF:16.5/14

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -11.462+/-2.930 χ^2/NDF:18.3/13

Left: -8.846+/-2.067 χ^2/NDF: 36.3/28

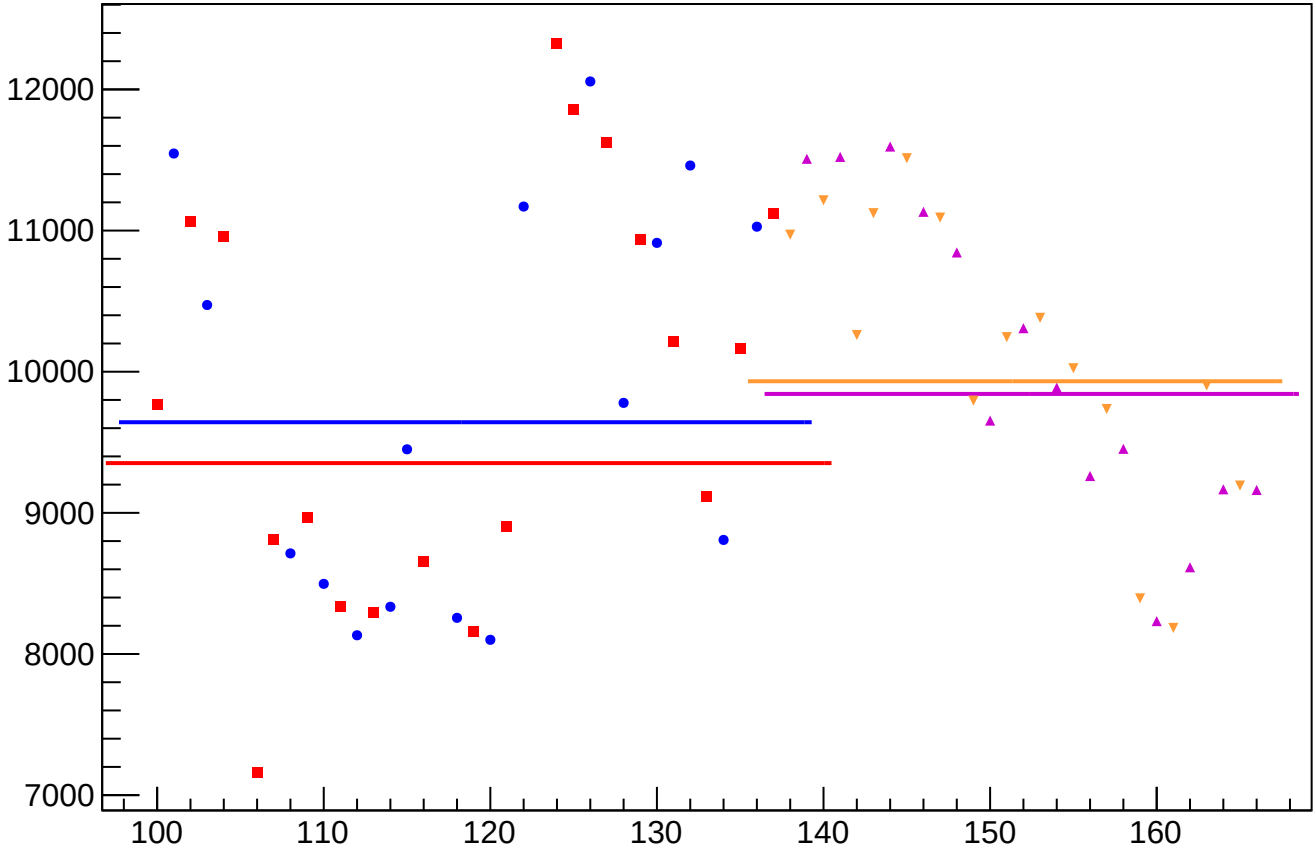
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.879+/-2.280 χ^2/NDF:117.1/29

Out: -0.044+/-2.229 χ^2/NDF:57.5/33

All: 1.384+/-1.594 χ^2/NDF: 175.4/63

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9932.468+/-2.063 χ^2/NDF:248044.2/14

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9842.584+/-2.072 χ^2/NDF:272813.9/13

Left: 9887.728+/-1.462 χ^2/NDF: 521803.2/28

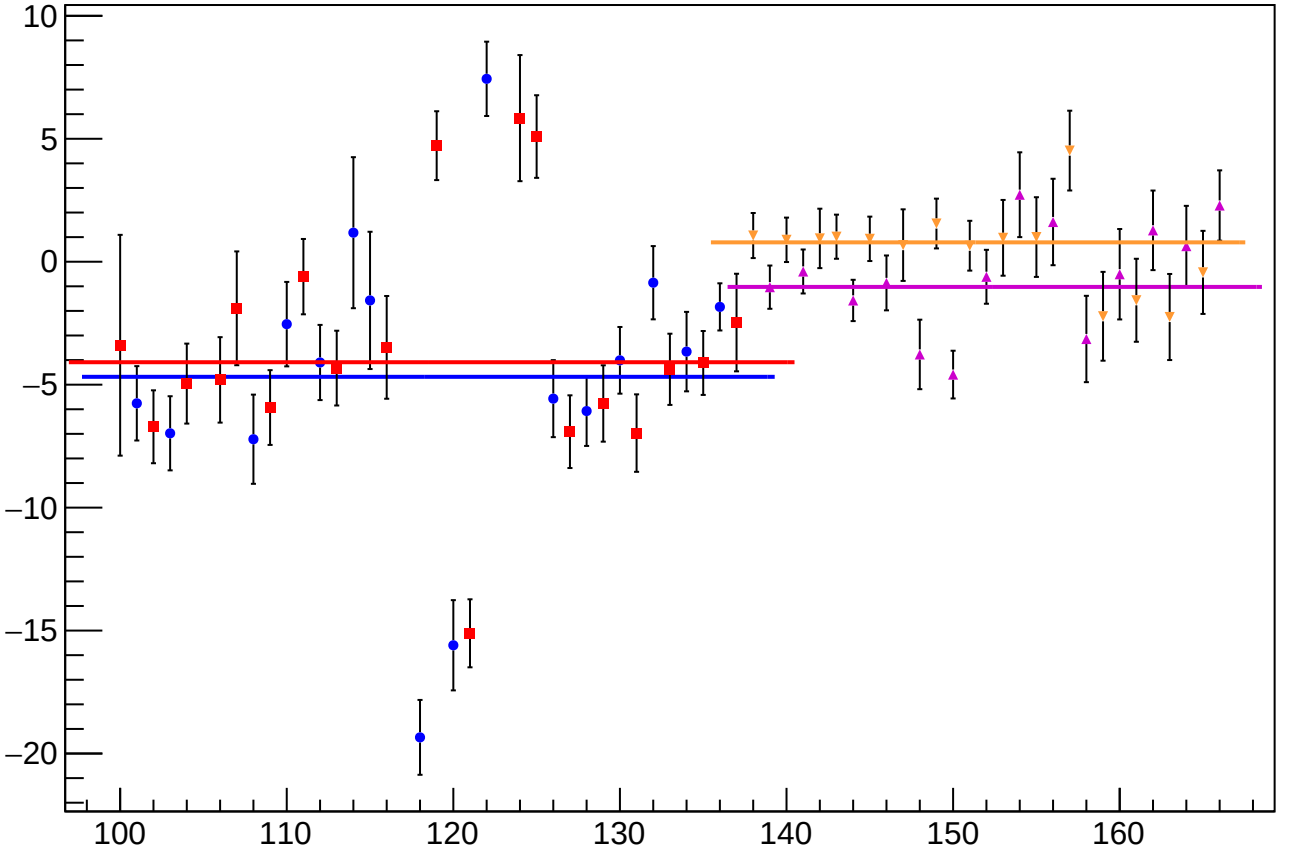
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9763.415+/-1.612 χ^2/NDF:556168.3/29

Out: 9690.970+/-1.576 χ^2/NDF:582737.4/33

All: 9726.373+/-1.127 χ^2/NDF: 1139938.5/63

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.787+/-0.308 χ^2/NDF:14.4/14

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.024+/-0.321 χ^2/NDF:35.3/13

Left: -0.081+/-0.223 χ^2/NDF: 66.2/28

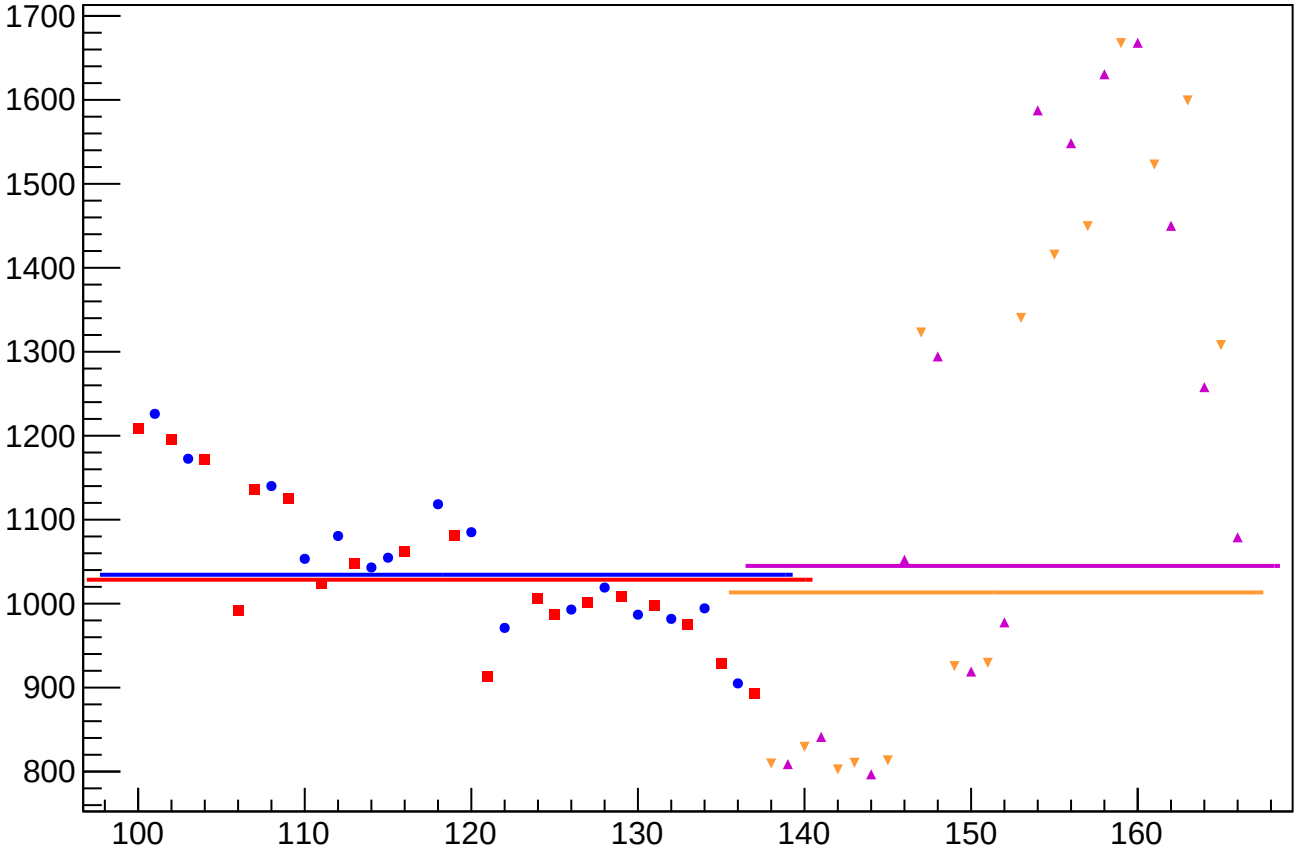
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.522+/-0.247 χ^2/NDF:309.5/29

Out: -1.171+/-0.239 χ^2/NDF:282.8/33

All: -1.823+/-0.172 χ^2/NDF: 607.7/63

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1013.343+/-0.218 χ^2/NDF:1649956.3/14

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1044.939+/-0.227 χ^2/NDF:1500845.8/13

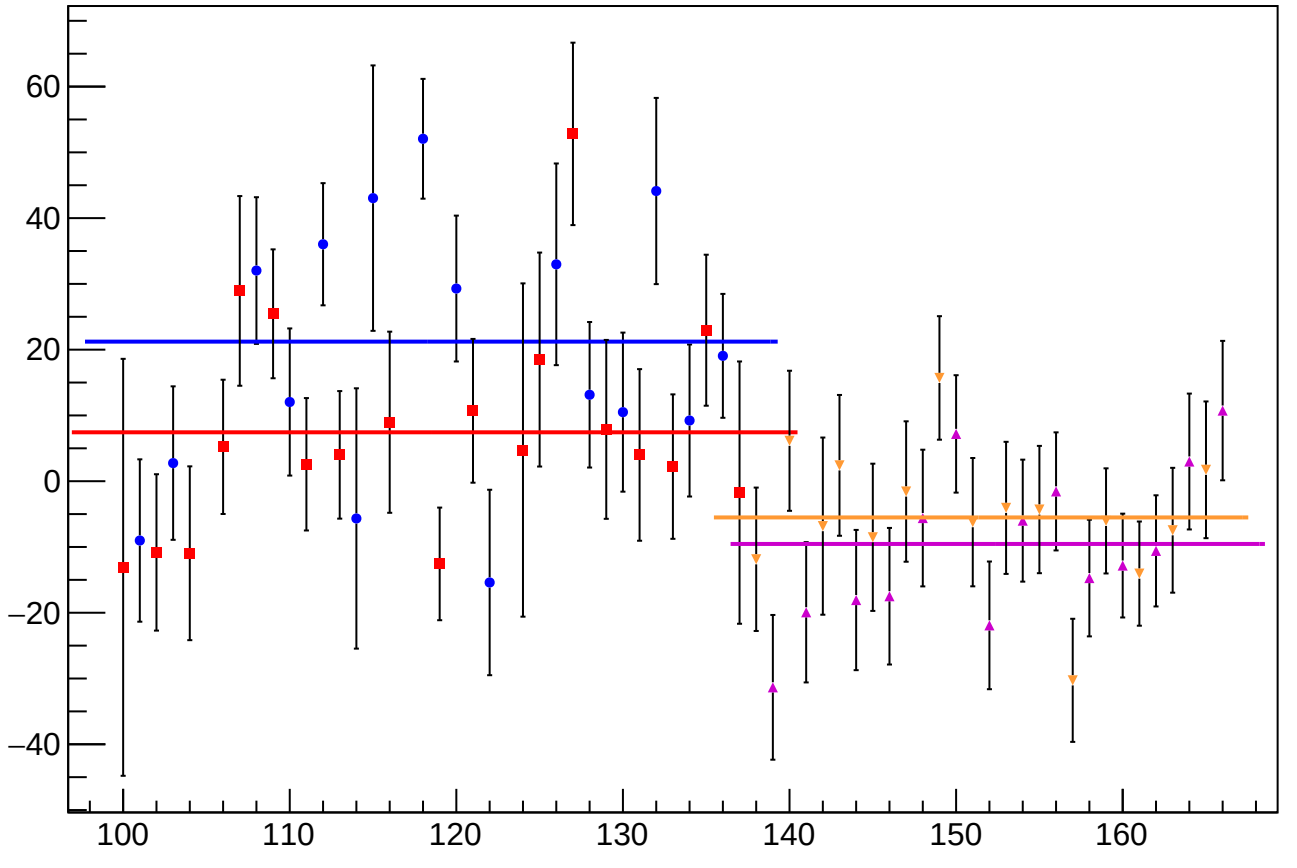
Left: 1028.495+/-0.157 χ^2/NDF: 3160864.5/28

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

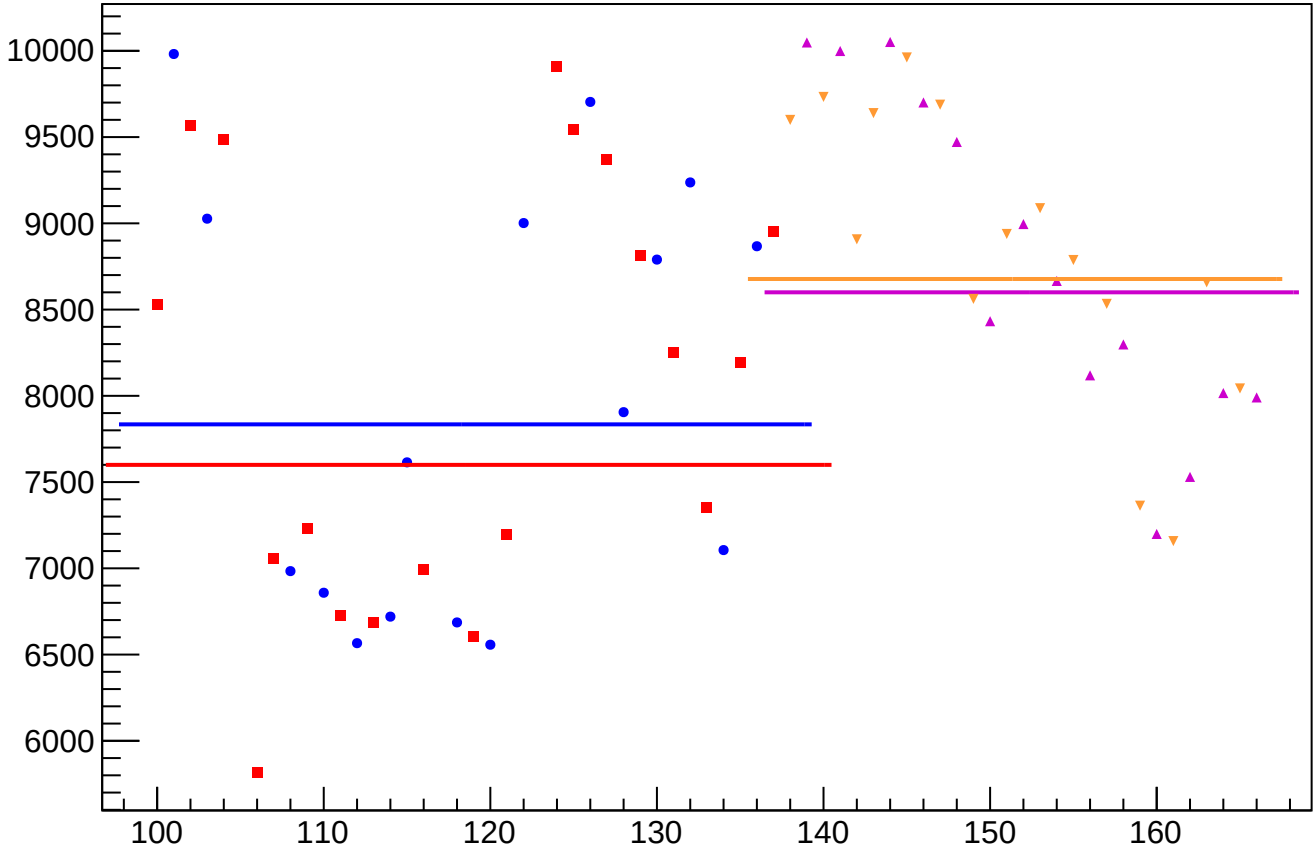
In: 1040.623+/-0.175 χ^2/NDF:1615005.2/29

Out: 1019.433+/-0.169 χ^2/NDF:1753521.4/33

All: 1029.665+/-0.121 χ^2/NDF: 3376143.9/63


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: -5.510+/-2.548 χ²/NDF:16.1/14
Right Out: 7.435+/-2.810 χ²/NDF: 29.8/18
Left In: -9.541+/-2.560 χ²/NDF:18.0/13
Left: -7.516+/-1.806 χ²/NDF: 35.4/28
Right: 13.990+/-2.035 χ²/NDF: 81.3/34
In: 3.663+/-1.934 χ²/NDF:120.1/29
Out: 0.330+/-1.888 χ²/NDF:57.6/33
All: 1.956+/-1.351 χ²/NDF: 179.2/63

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8677.345+/-1.802 χ^2/NDF:235910.7/14

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8600.086+/-1.810 χ^2/NDF:262919.6/13

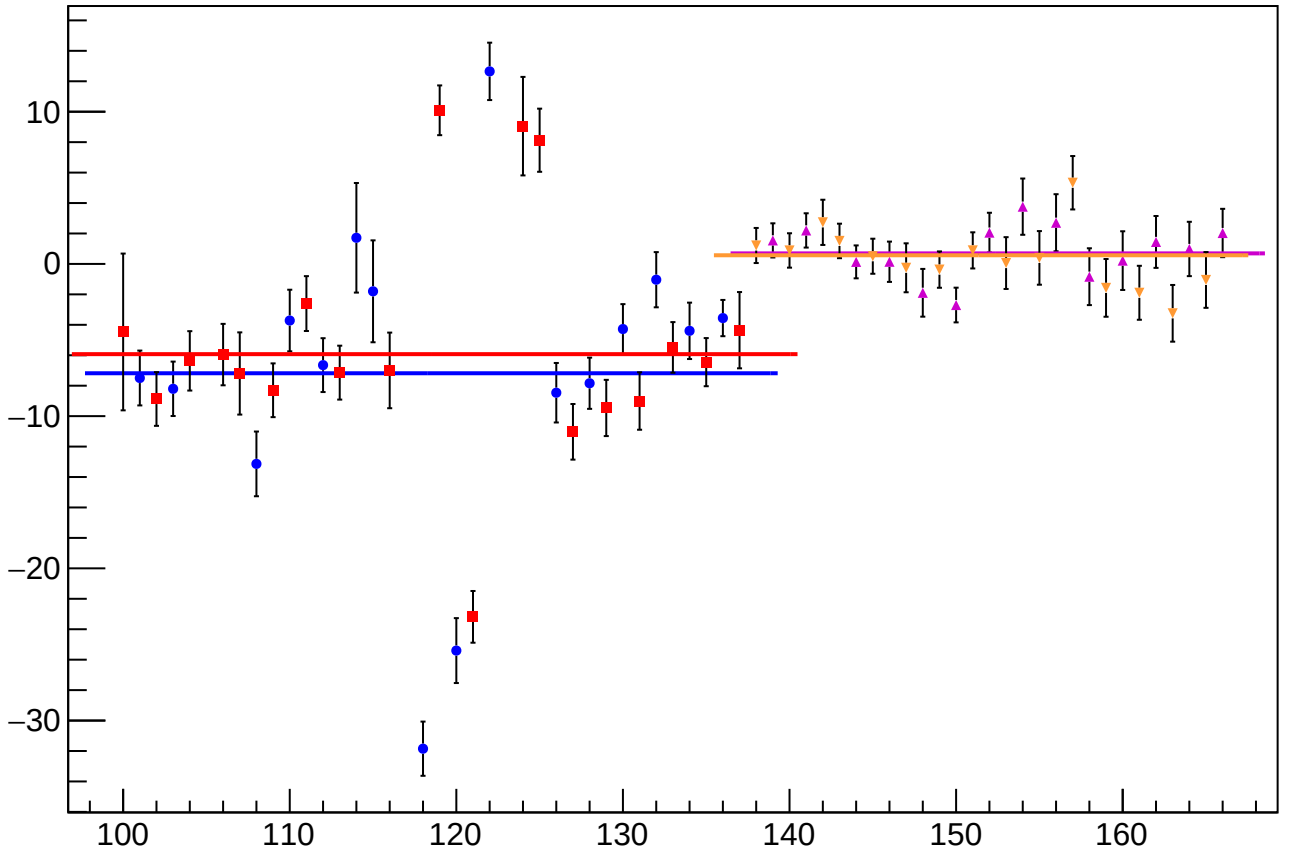
Left: 8638.894+/-1.277 χ^2/NDF: 499745.5/28

Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8271.537+/-1.367 χ^2/NDF:657778.1/29

Out: 8191.195+/-1.335 χ^2/NDF:741604.4/33

All: 8230.394+/-0.955 χ^2/NDF: 1401150.2/63



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.569+/-0.365 χ^2/NDF:19.8/14

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.693+/-0.379 χ^2/NDF:21.1/13

Left: 0.628+/-0.263 χ^2/NDF: 40.9/28

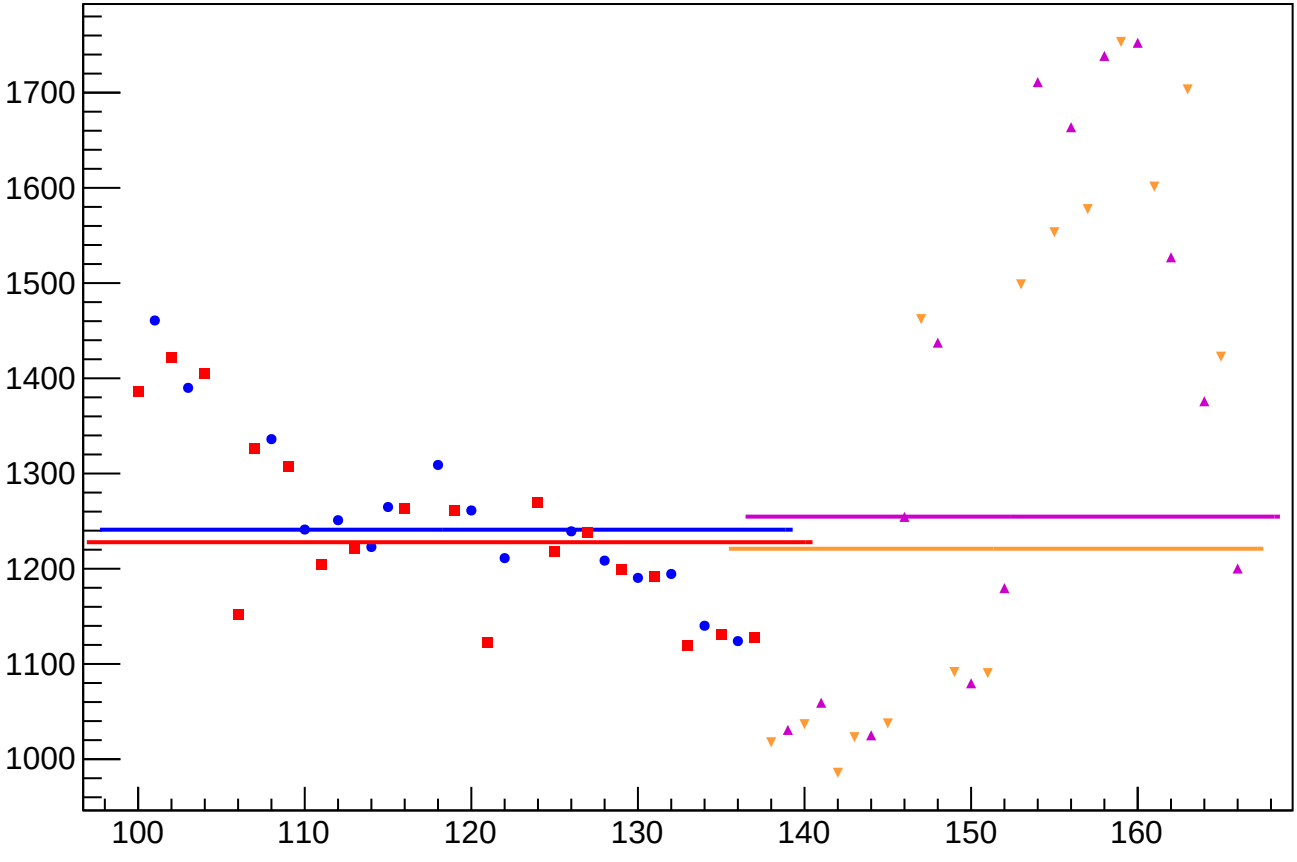
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.473+/-0.293 χ^2/NDF:616.8/29

Out: -2.017+/-0.283 χ^2/NDF:436.1/33

All: -2.237+/-0.204 χ^2/NDF: 1054.2/63

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1221.019+/-0.258 χ^2/NDF:985042.8/14

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1254.731+/-0.268 χ^2/NDF:858534.4/13

Left: 1237.252+/-0.186 χ^2/NDF: 1851780.2/28

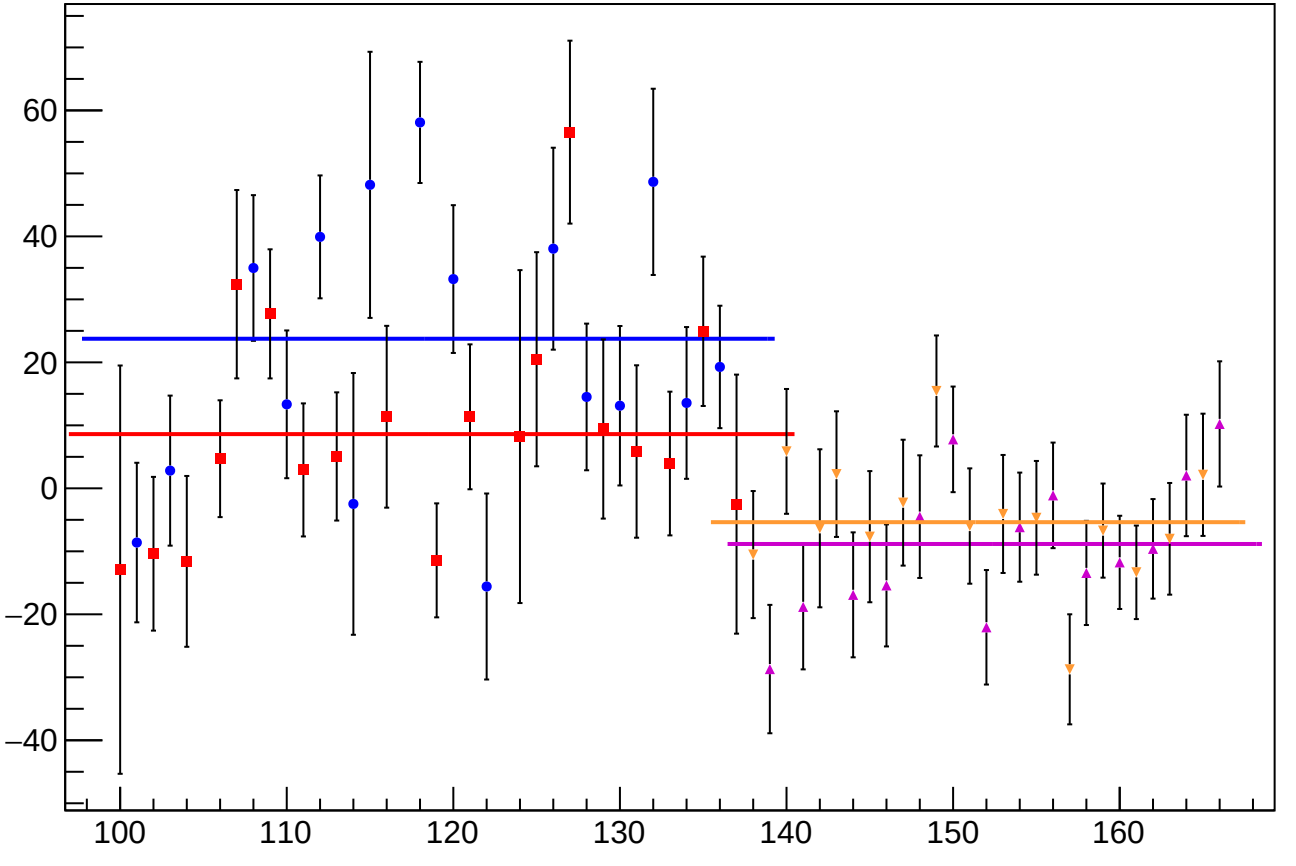
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1249.215+/-0.207 χ^2/NDF:940241.9/29

Out: 1223.744+/-0.200 χ^2/NDF:1067661.5/33

All: 1236.049+/-0.144 χ^2/NDF: 2015708.9/63

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.372+/-2.380 χ^2/NDF:16.9/14

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -8.835+/-2.392 χ^2/NDF:18.5/13

Left: -7.095+/-1.687 χ^2/NDF: 36.5/28

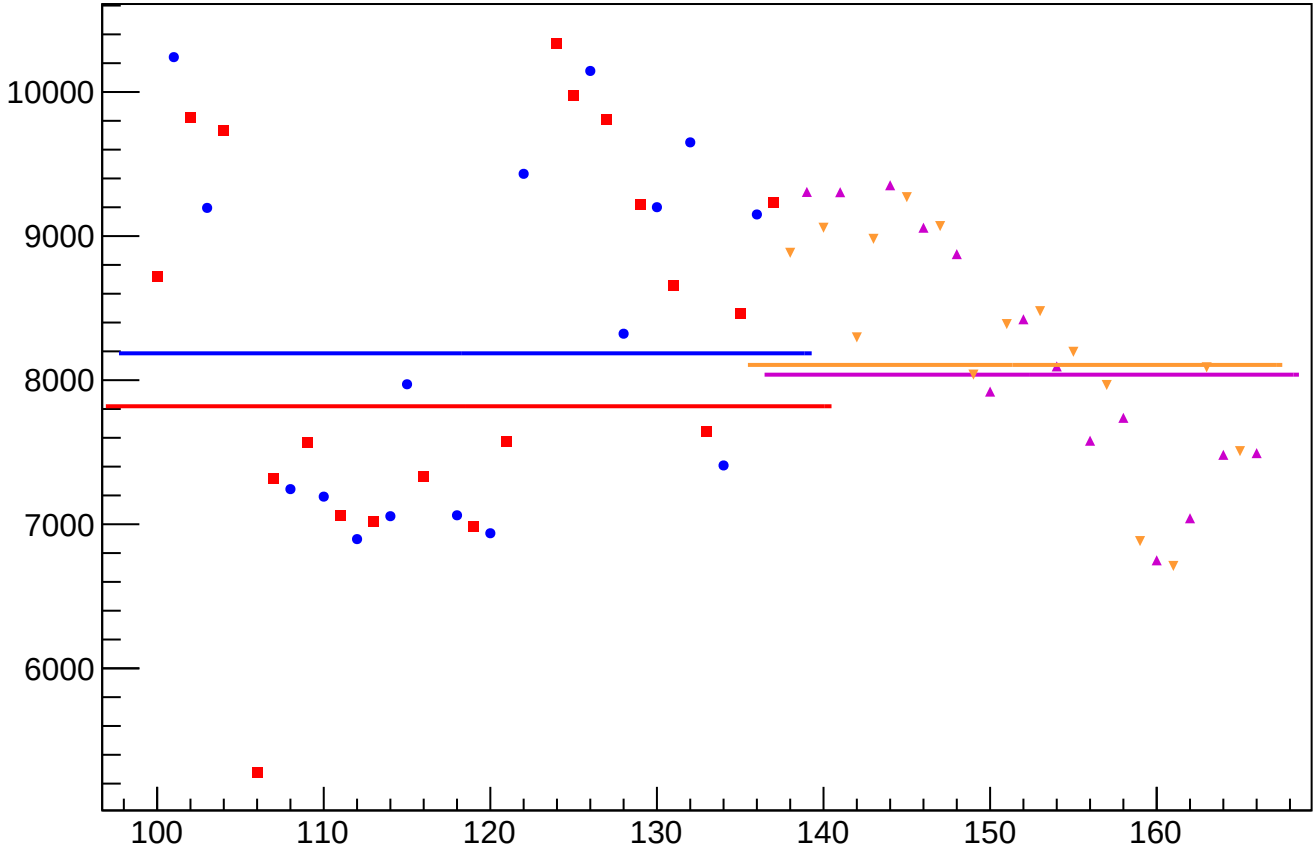
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 3.415+/-1.889 χ^2/NDF:131.7/29

Out: 0.256+/-1.839 χ^2/NDF:61.3/33

All: 1.793+/-1.318 χ^2/NDF: 194.5/63

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8105.916+/-1.683 χ^2/NDF:227519.3/14

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8038.161+/-1.691 χ^2/NDF:253358.6/13

Left: 8072.212+/-1.193 χ^2/NDF: 481684.5/28

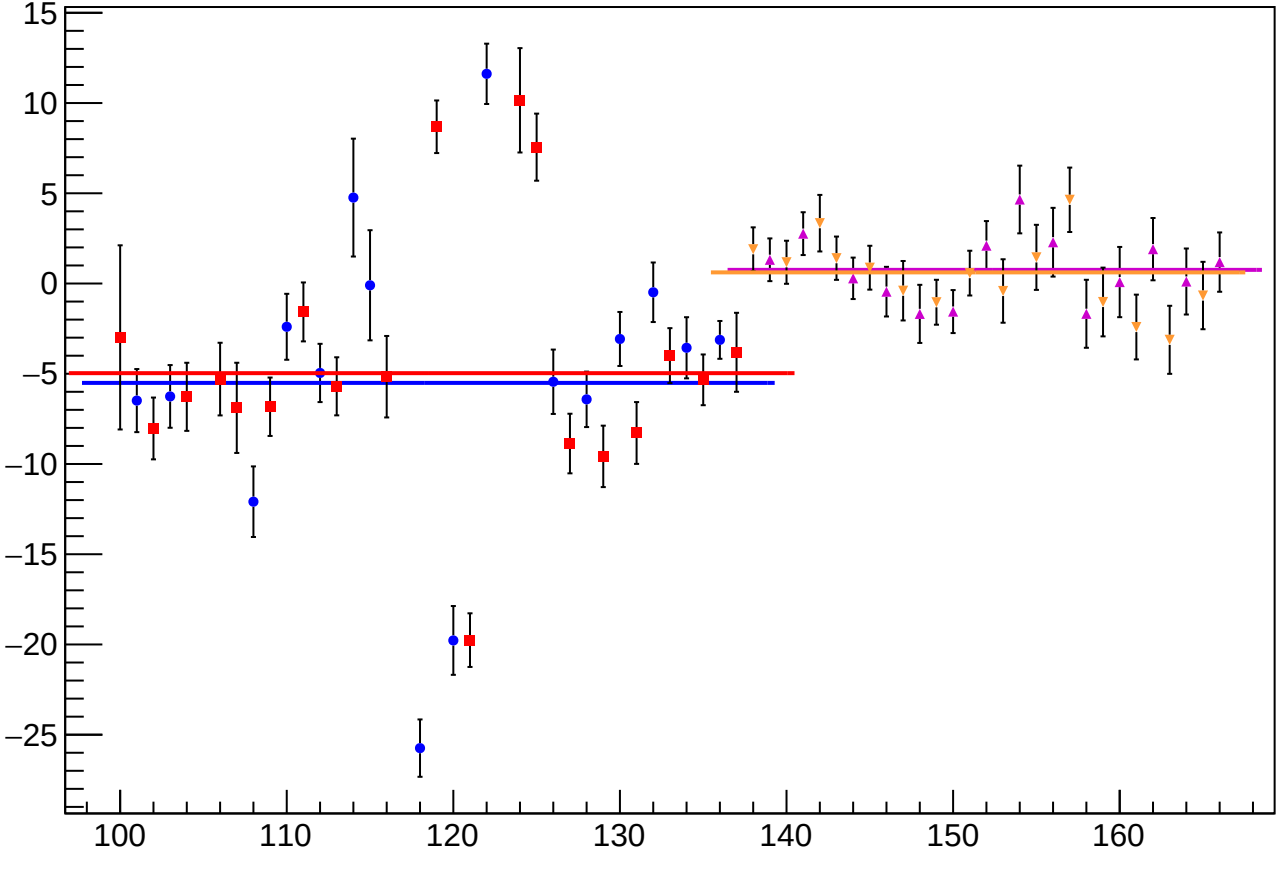
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8093.878+/-1.336 χ^2/NDF:546874.4/29

Out: 7990.409+/-1.301 χ^2/NDF:662224.8/33

All: 8040.754+/-0.932 χ^2/NDF: 1212178.8/63

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.616+/-0.380 χ^2/NDF:20.6/14

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.757+/-0.394 χ^2/NDF:18.4/13

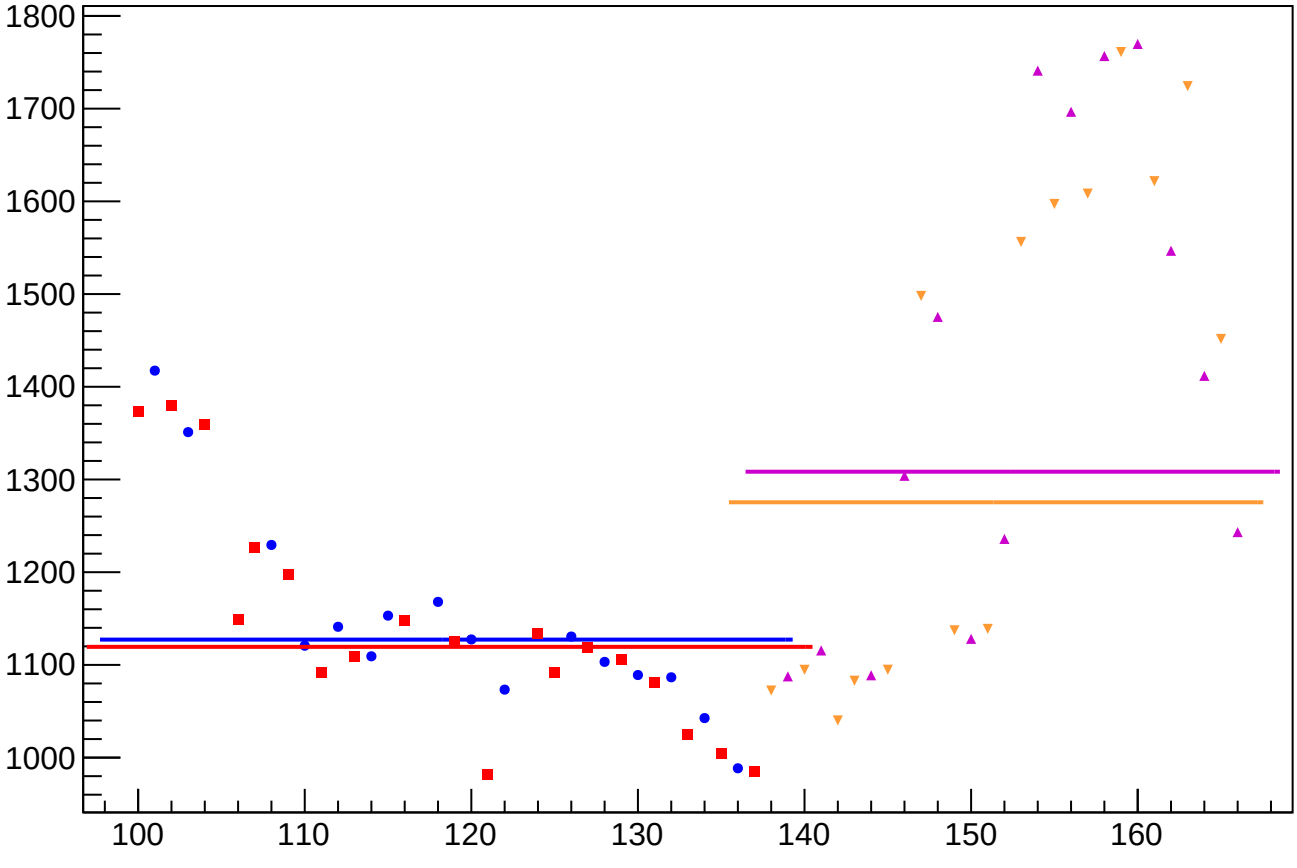
Left: 0.684+/-0.273 χ^2/NDF: 39.1/28

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.166+/-0.288 χ^2/NDF:506.3/29

Out: -1.961+/-0.279 χ^2/NDF:407.6/33

All: -2.061+/-0.200 χ^2/NDF: 914.2/63



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1275.407+/-0.269 χ^2/NDF:847937.3/14

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1308.380+/-0.278 χ^2/NDF:731402.4/13

Left: 1291.310+/-0.193 χ^2/NDF: 1586601.6/28

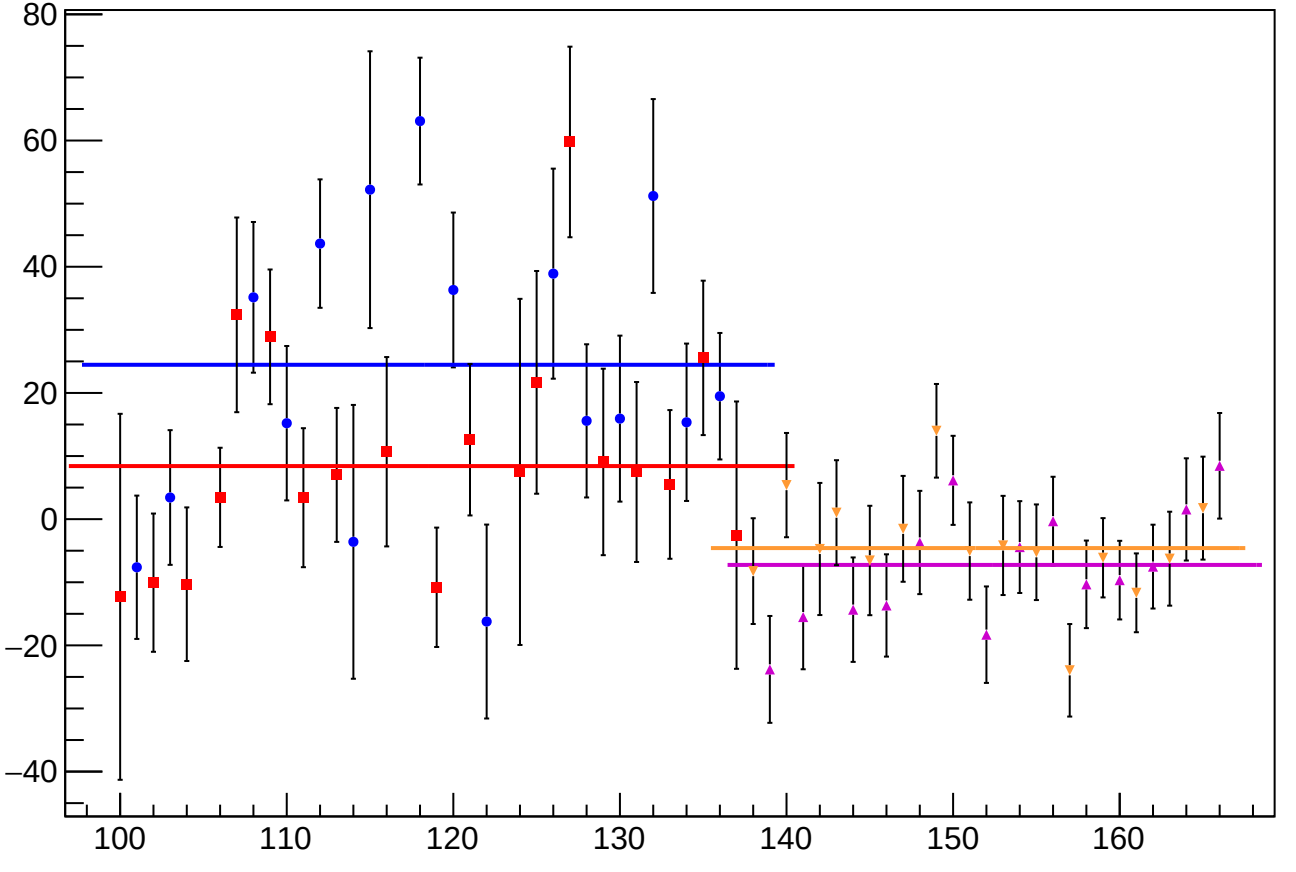
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.865+/-0.203 χ^2/NDF:1069482.4/29

Out: 1203.412+/-0.197 χ^2/NDF:1144144.2/33

All: 1213.325+/-0.142 χ^2/NDF: 2218842.4/63

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.584+/-1.995 χ^2/NDF:17.6/14

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -7.252+/-2.007 χ^2/NDF:18.2/13

Left: -5.910+/-1.415 χ^2/NDF: 36.7/28

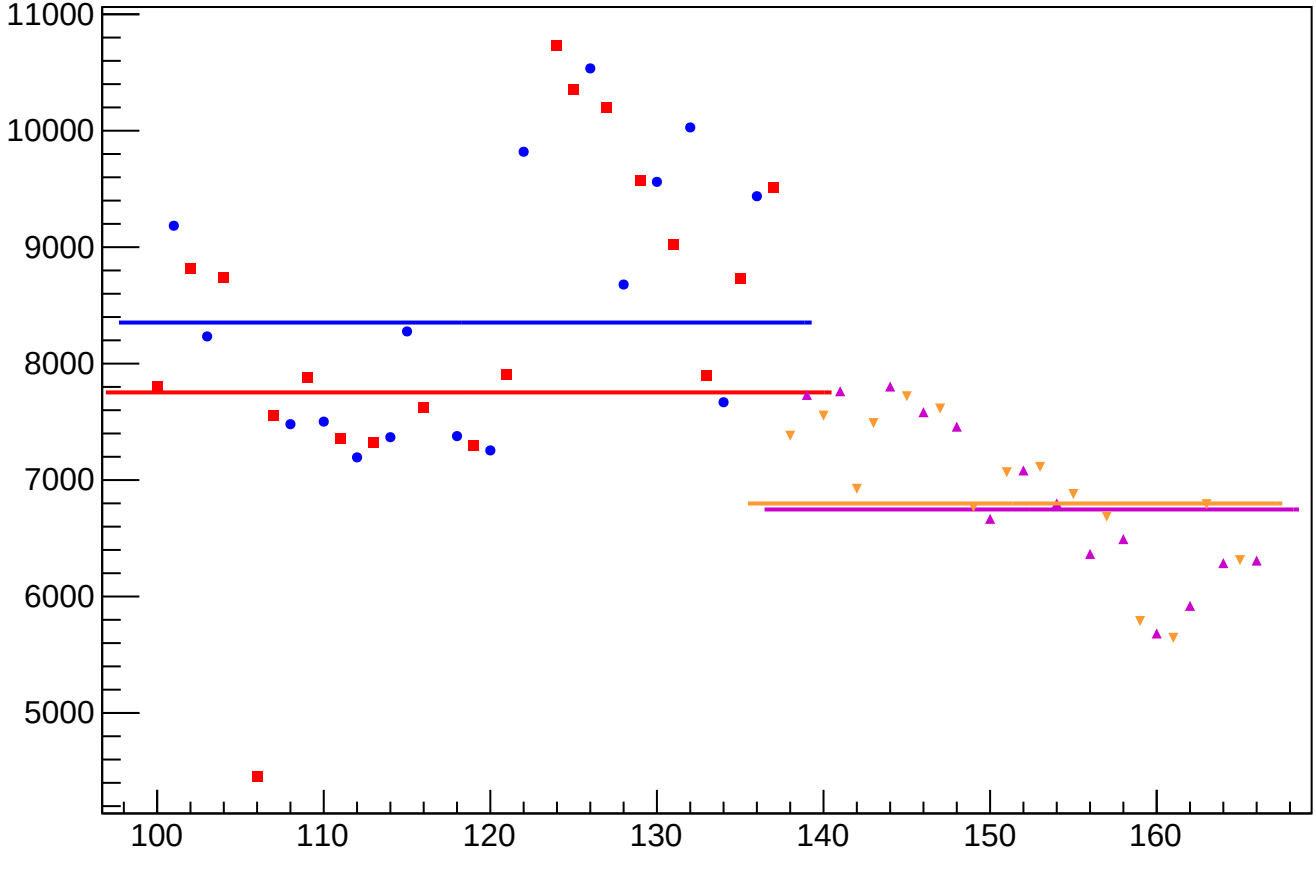
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.962+/-1.690 χ^2/NDF:139.1/29

Out: -0.391+/-1.642 χ^2/NDF:62.4/33

All: 0.752+/-1.178 χ^2/NDF: 202.5/63

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6798.996+/-1.411 χ^2/NDF:215184.6/14

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6747.426+/-1.419 χ^2/NDF:240209.6/13

Left: 6773.362+/-1.001 χ^2/NDF: 456058.3/28

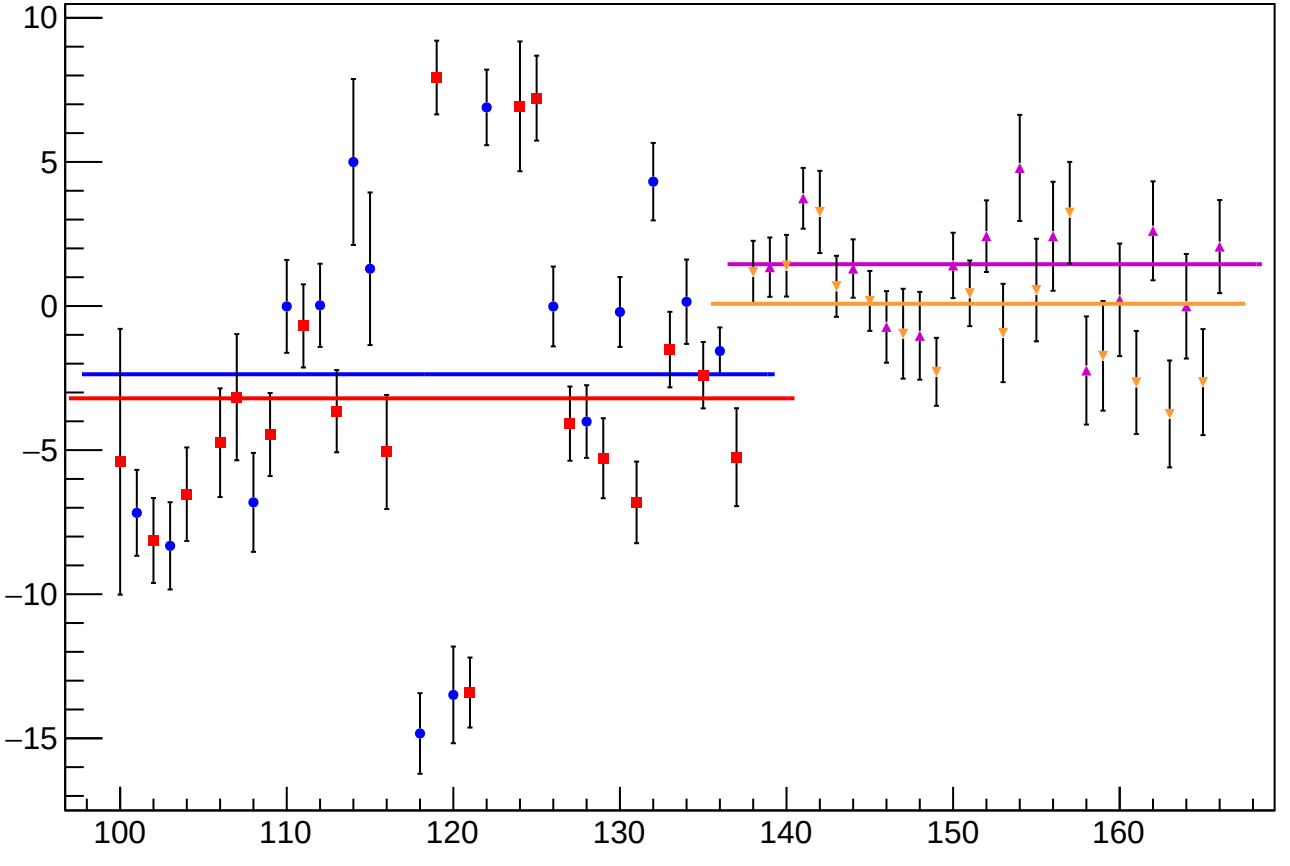
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7213.825+/-1.195 χ^2/NDF:832414.9/29

Out: 7106.687+/-1.161 χ^2/NDF:950682.9/33

All: 7158.703+/-0.833 χ^2/NDF: 1787231.1/63

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.079+/-0.351 χ^2/NDF:25.7/14

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.451+/-0.366 χ^2/NDF:20.1/13

Left: 0.737+/-0.253 χ^2/NDF: 53.2/28

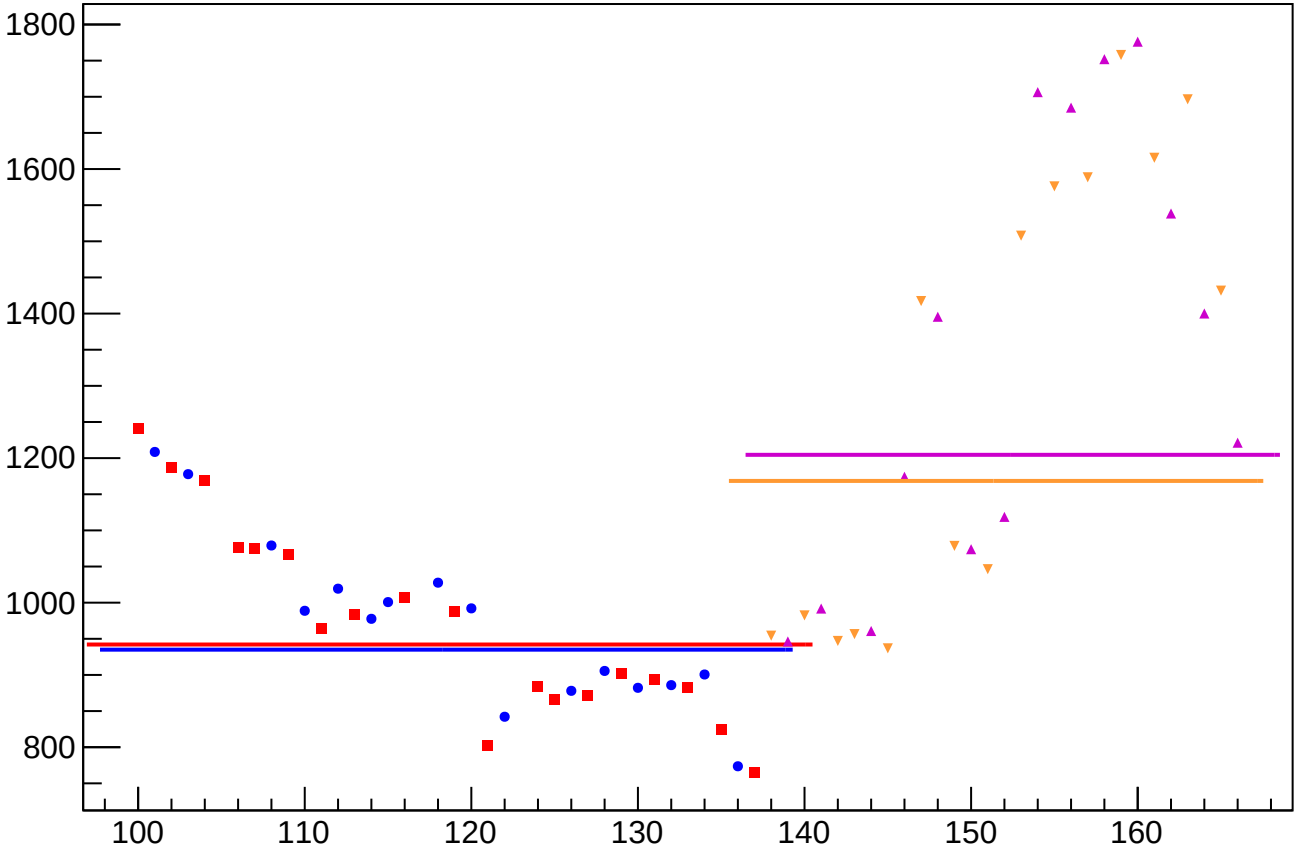
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.540+/-0.253 χ^2/NDF:332.5/29

Out: -1.586+/-0.247 χ^2/NDF:320.5/33

All: -1.076+/-0.177 χ^2/NDF: 661.8/63

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1168.455+/-0.249 χ^2/NDF:1269851.1/14

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1204.564+/-0.259 χ^2/NDF:1110494.1/13

Left: 1185.787+/-0.179 χ^2/NDF: 2390476.8/28

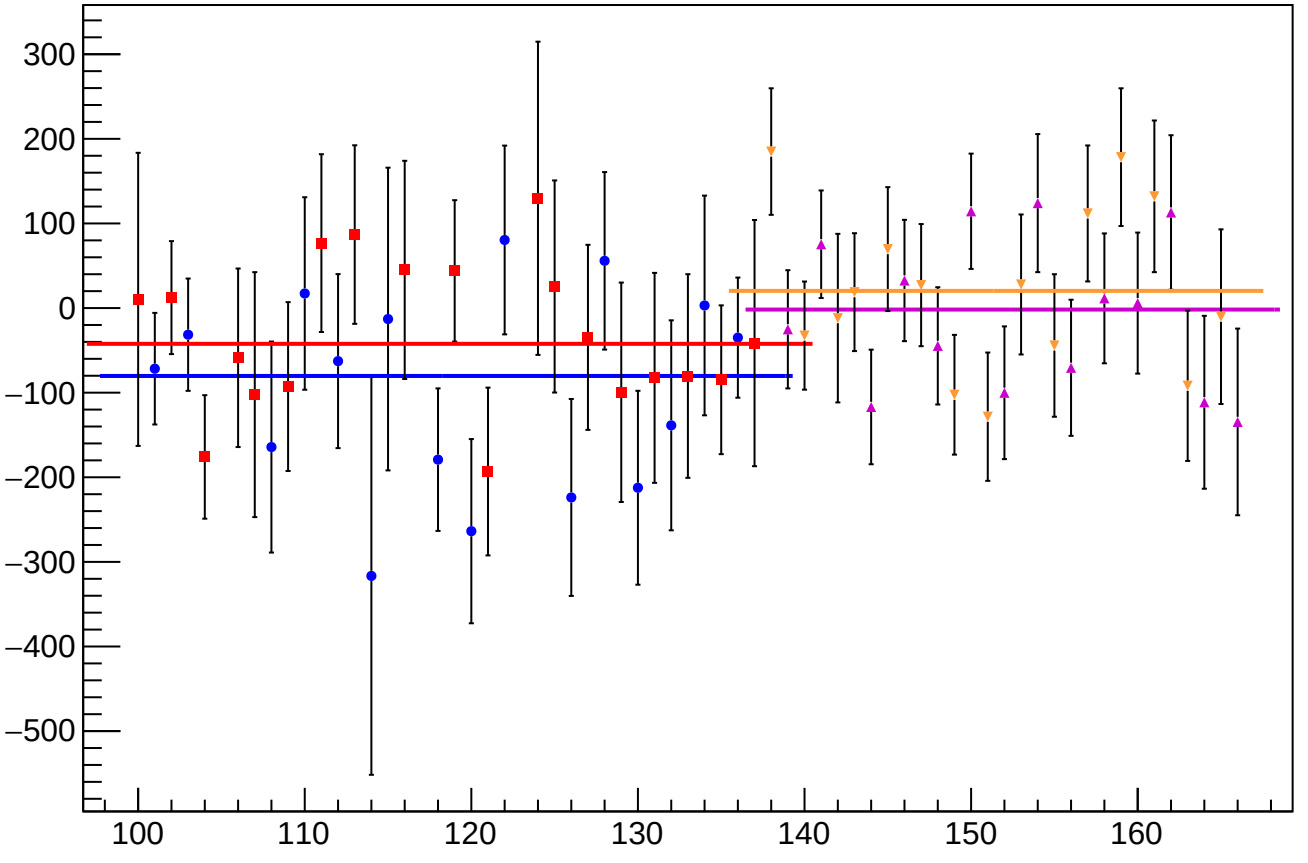
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1063.976+/-0.179 χ^2/NDF:1931193.1/29

Out: 1053.615+/-0.174 χ^2/NDF:1923133.8/33

All: 1058.664+/-0.125 χ^2/NDF: 3856045.7/63

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 20.302+/-20.326 χ^2/NDF:21.9/14

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.784+/-20.553 χ^2/NDF:16.9/13

Left: 9.381+/-14.452 χ^2/NDF: 39.3/28

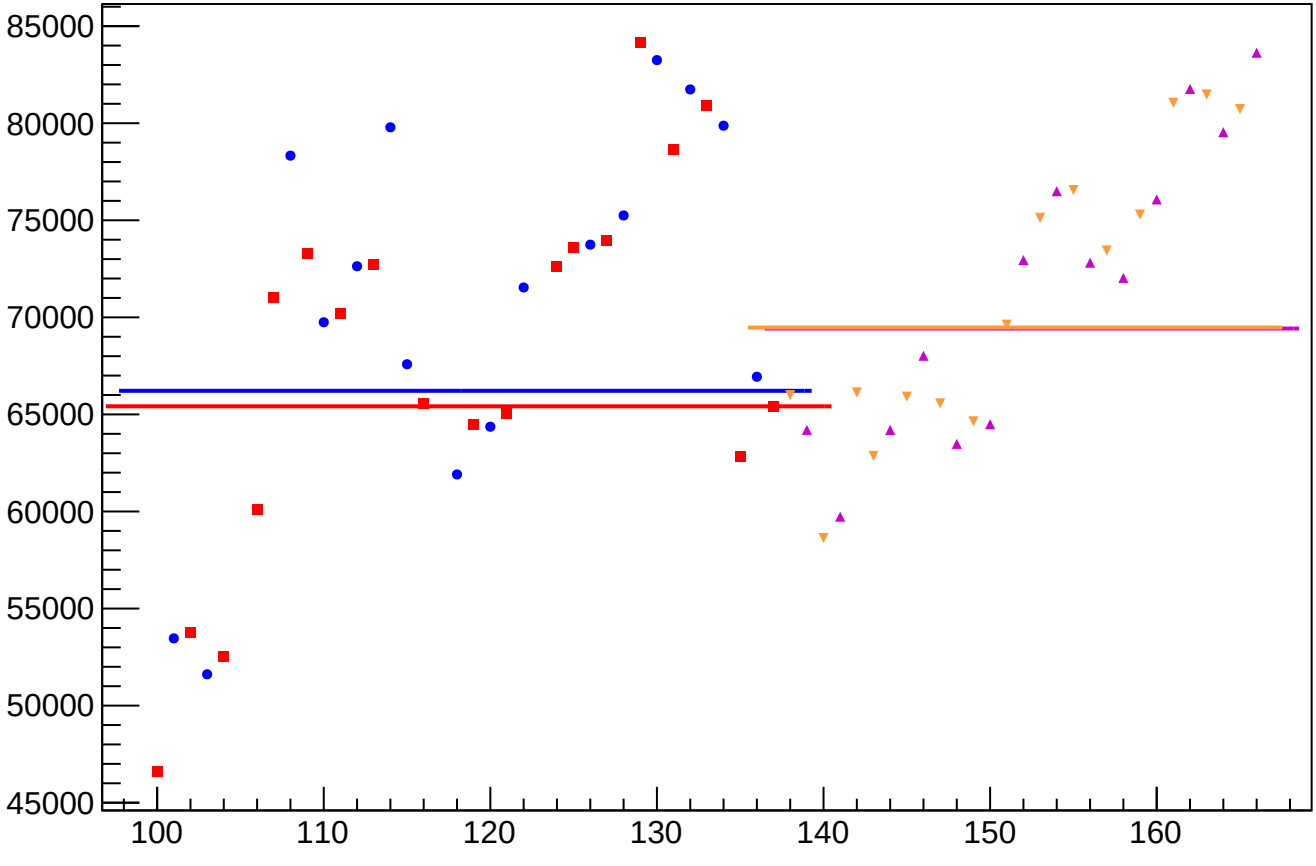
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -33.566+/-15.853 χ^2/NDF:37.6/29

Out: -5.649+/-15.550 χ^2/NDF:38.8/33

All: -19.338+/-11.101 χ^2/NDF: 77.9/63

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69476.297+/-14.373 χ^2/NDF:234295.2/14

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 69424.766+/-14.533 χ^2/NDF:222452.5/13

Left: 69450.817+/-10.219 χ^2/NDF: 456754.1/28

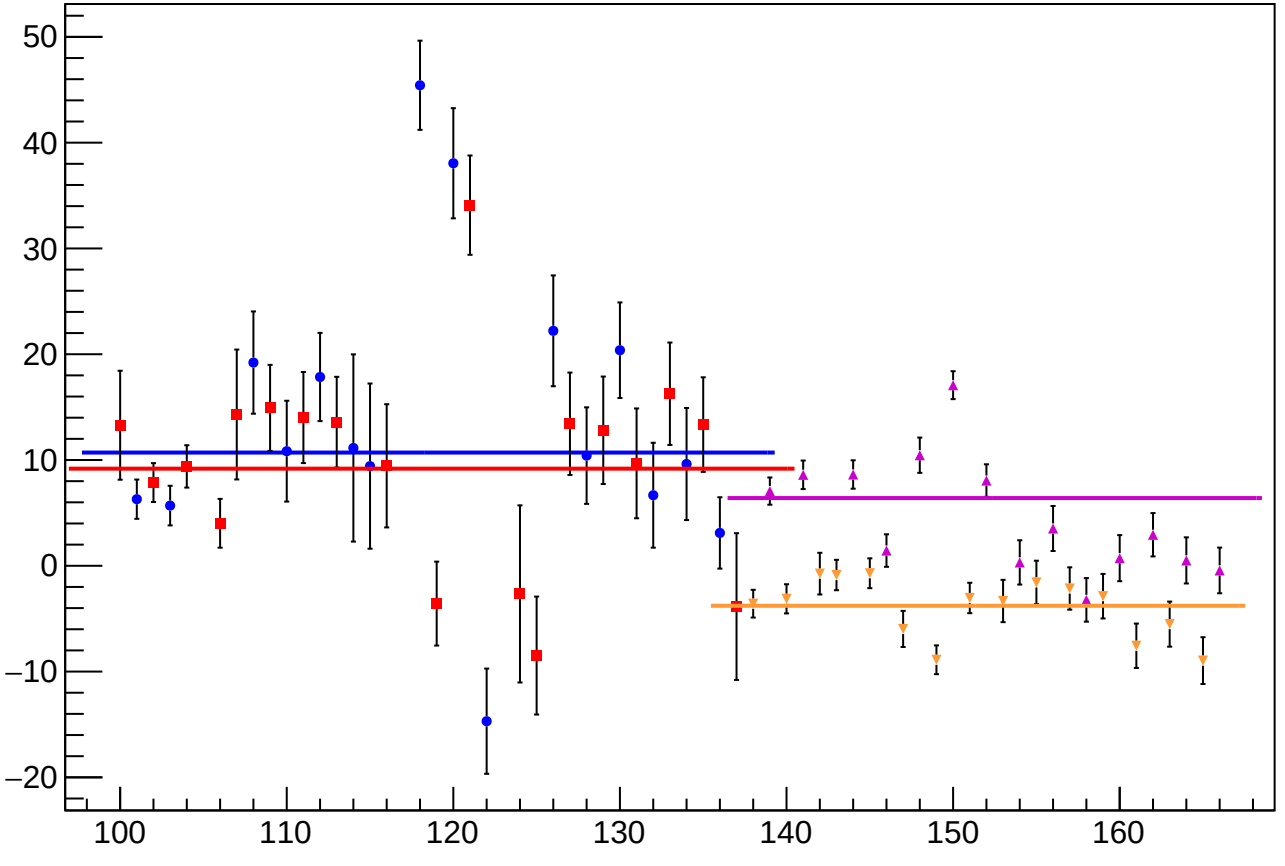
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68125.112+/-11.210 χ^2/NDF:580574.6/29

Out: 67793.258+/-10.995 χ^2/NDF:571910.5/33

All: 67955.981+/-7.850 χ^2/NDF: 1152931.9/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.780+/-0.433 χ^2/NDF:38.9/14

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.403+/-0.445 χ^2/NDF:147.7/13

Left: 1.171+/-0.310 χ^2/NDF: 455.6/28

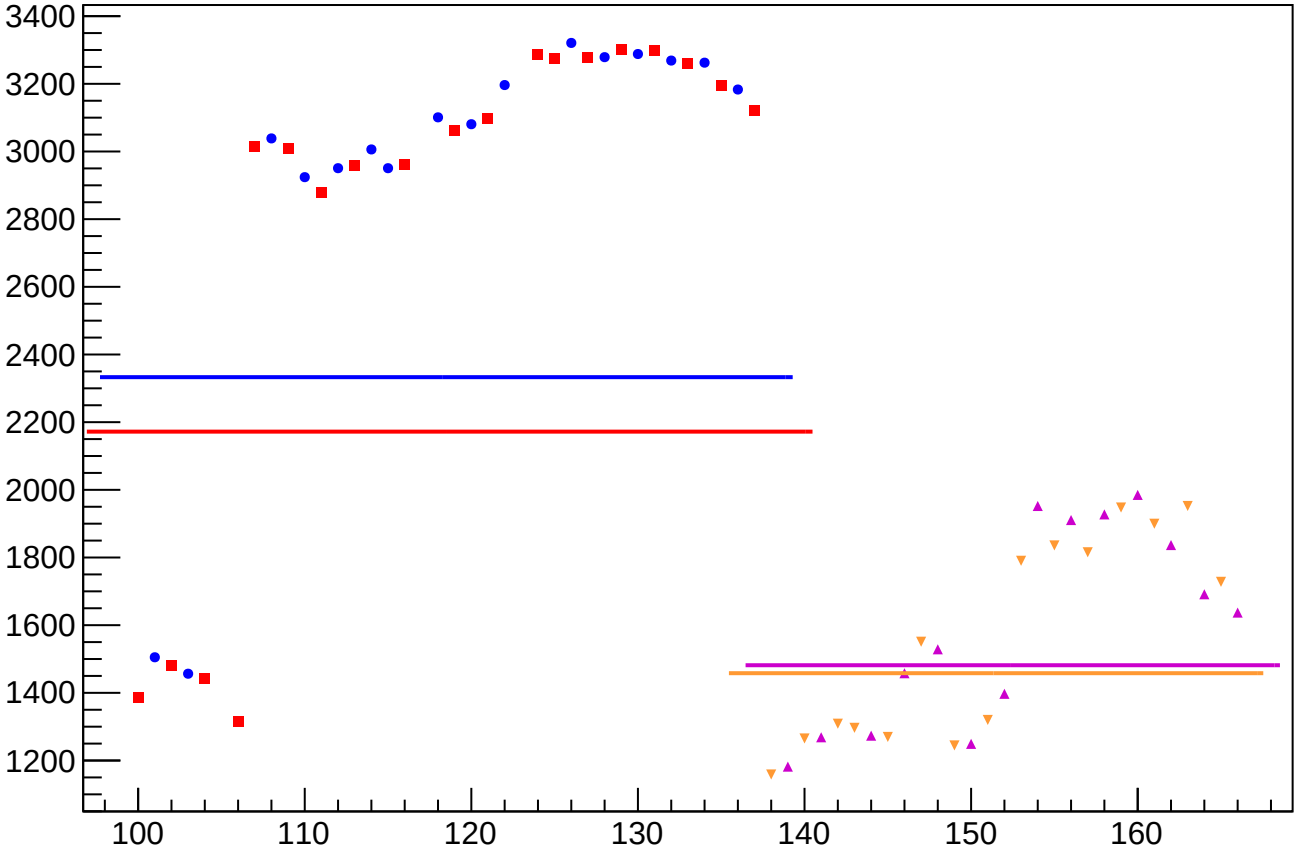
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.218+/-0.401 χ^2/NDF:321.0/29

Out: -1.110+/-0.386 χ^2/NDF:293.1/33

All: 2.896+/-0.278 χ^2/NDF: 838.2/63

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1458.076+/-0.306 χ^2/NDF:810230.6/14

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1481.617+/-0.315 χ^2/NDF:748615.3/13

Left: 1469.521+/-0.219 χ^2/NDF: 1561720.5/28

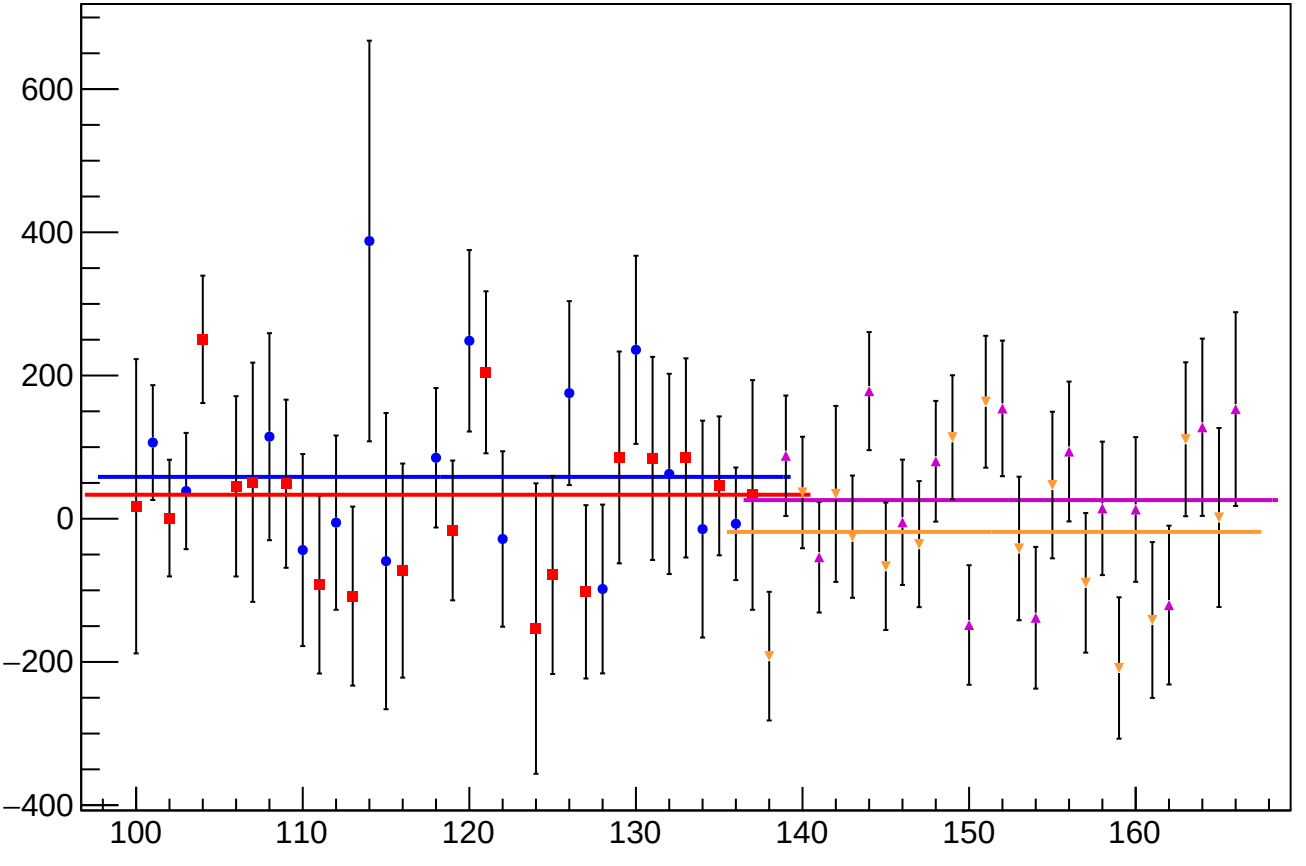
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1642.952+/-0.283 χ^2/NDF:3786662.2/29

Out: 1605.131+/-0.273 χ^2/NDF:3914502.0/33

All: 1623.325+/-0.197 χ^2/NDF: 7710409.6/63

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -18.376+/-24.717 χ^2/NDF:18.4/14

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 26.031+/-24.972 χ^2/NDF:18.3/13

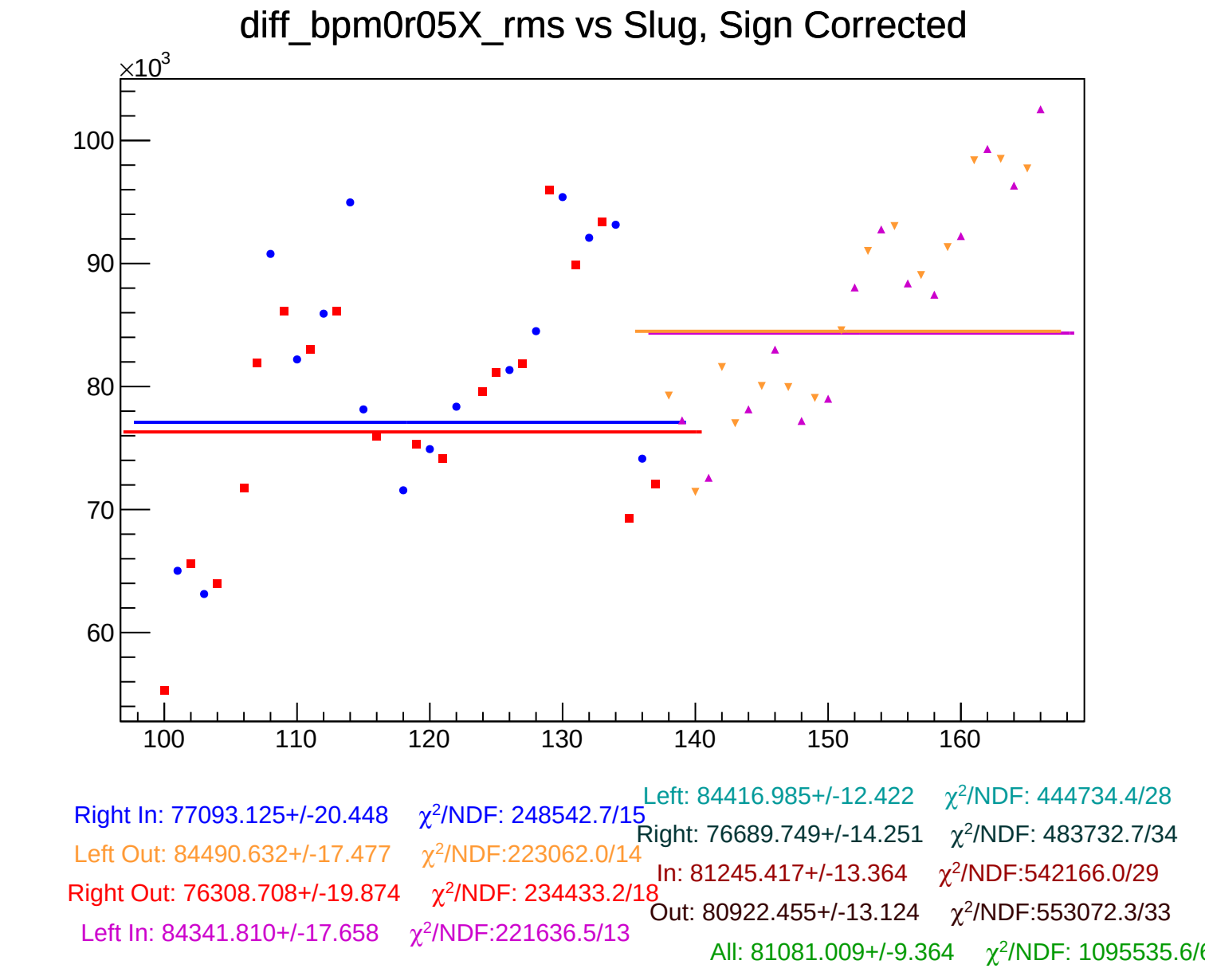
Left: 3.599+/-17.567 χ^2/NDF: 38.4/28

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

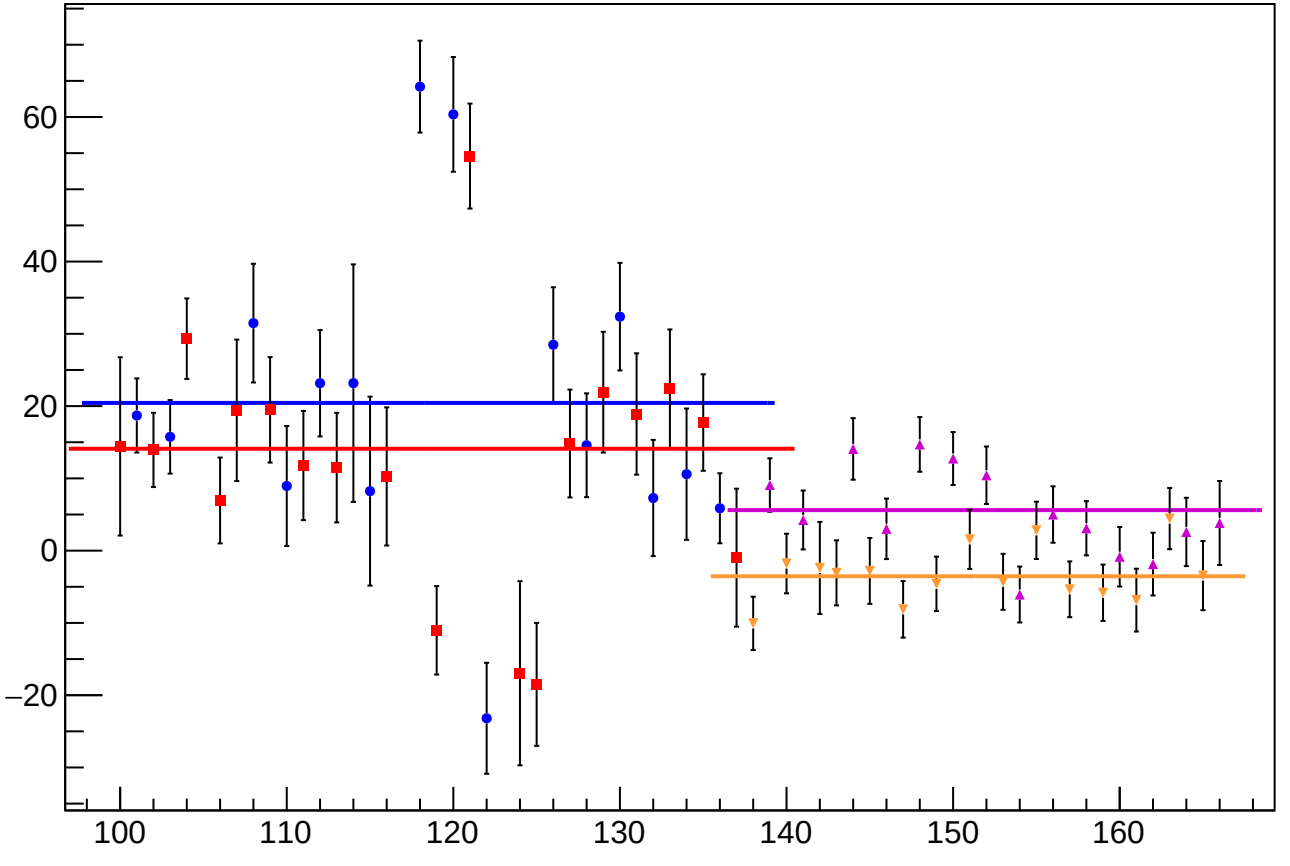
In: 39.877+/-18.900 χ^2/NDF:30.4/29

Out: 4.256+/-18.560 χ^2/NDF:35.0/33

All: 21.744+/-13.243 χ^2/NDF: 67.2/63


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 84490.632+/-17.477 χ²/NDF:223062.0/14
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 84341.810+/-17.658 χ²/NDF:221636.5/13
Left: 84416.985+/-12.422 χ²/NDF: 444734.4/28
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 81245.417+/-13.364 χ²/NDF:542166.0/29
Out: 80922.455+/-13.124 χ²/NDF:553072.3/33
All: 81081.009+/-9.364 χ²/NDF: 1095535.6/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.544+/-1.075 χ^2/NDF:13.7/14

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 5.607+/-1.089 χ^2/NDF:31.9/13

Left: 0.971+/-0.765 χ^2/NDF: 81.3/28

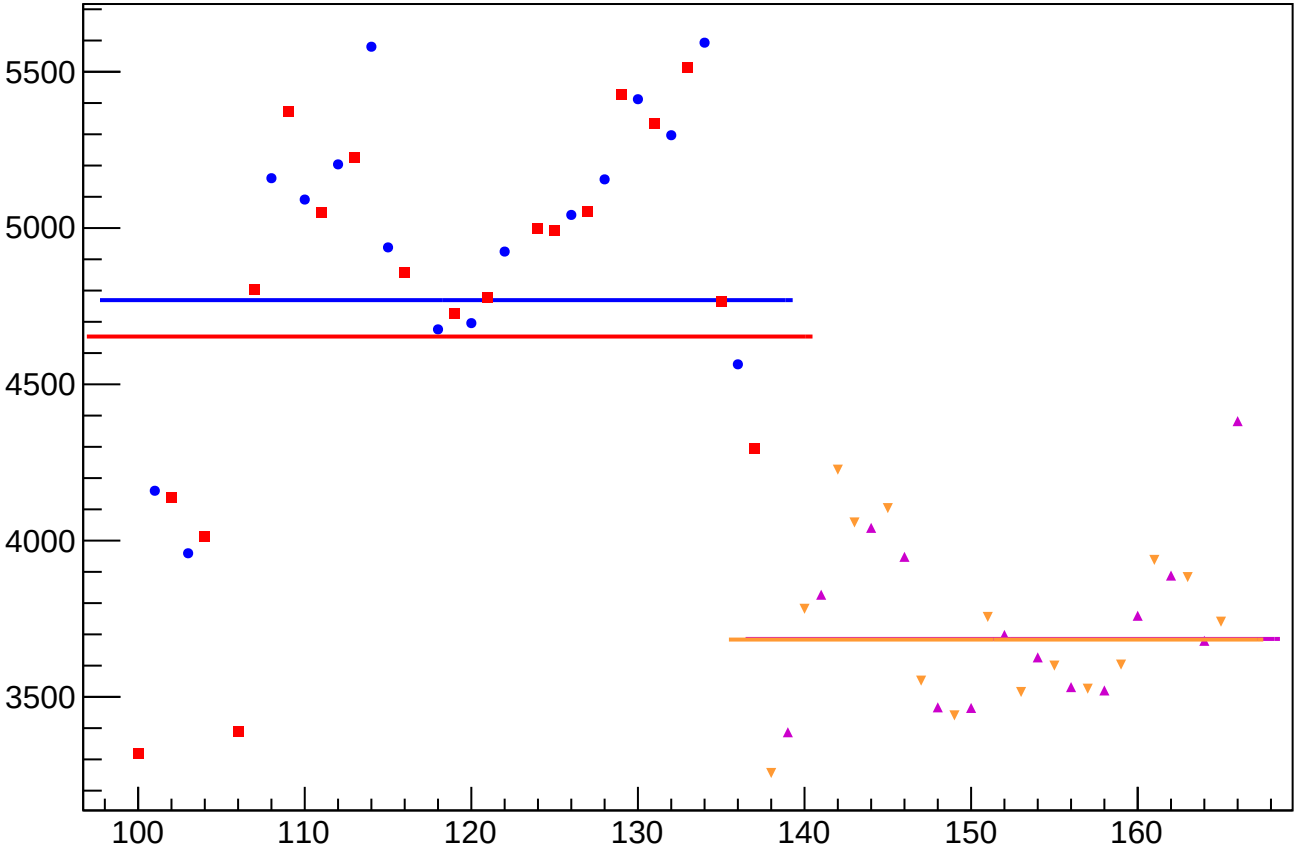
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 9.640+/-0.929 χ^2/NDF:210.2/29

Out: 1.437+/-0.910 χ^2/NDF:173.6/33

All: 5.455+/-0.650 χ^2/NDF: 423.5/63

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3683.397+/-0.760 χ^2/NDF:104946.8/14

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3685.427+/-0.770 χ^2/NDF:92419.3/13

Left: 3684.399+/-0.541 χ^2/NDF: 197369.6/28

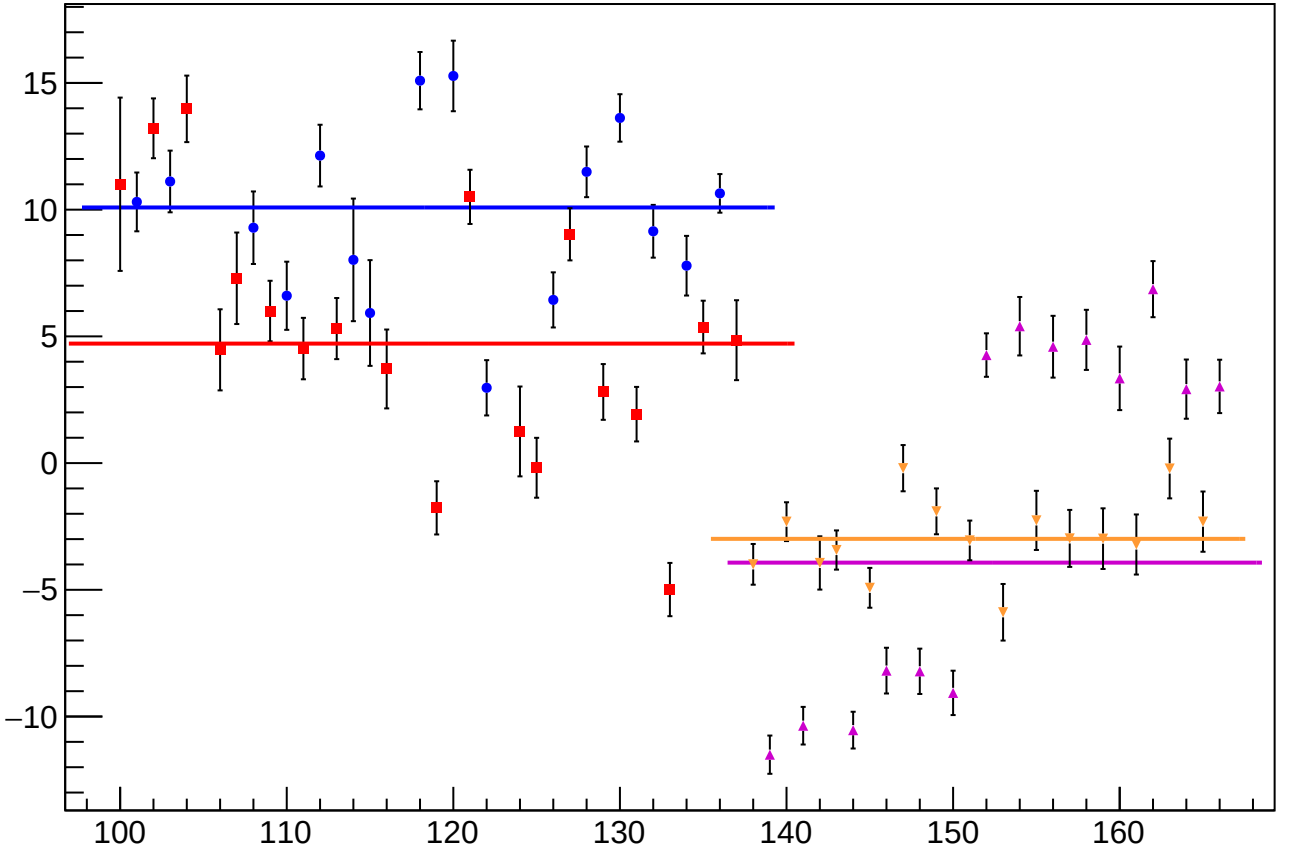
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3980.156+/-0.657 χ^2/NDF:782912.6/29

Out: 3957.063+/-0.644 χ^2/NDF:829583.6/33

All: 3968.373+/-0.460 χ^2/NDF: 1613126.4/63

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.989+/-0.245 χ^2/NDF:33.4/14

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -3.928+/-0.251 χ^2/NDF:805.8/13

Left: -3.447+/-0.175 χ^2/NDF: 846.3/28

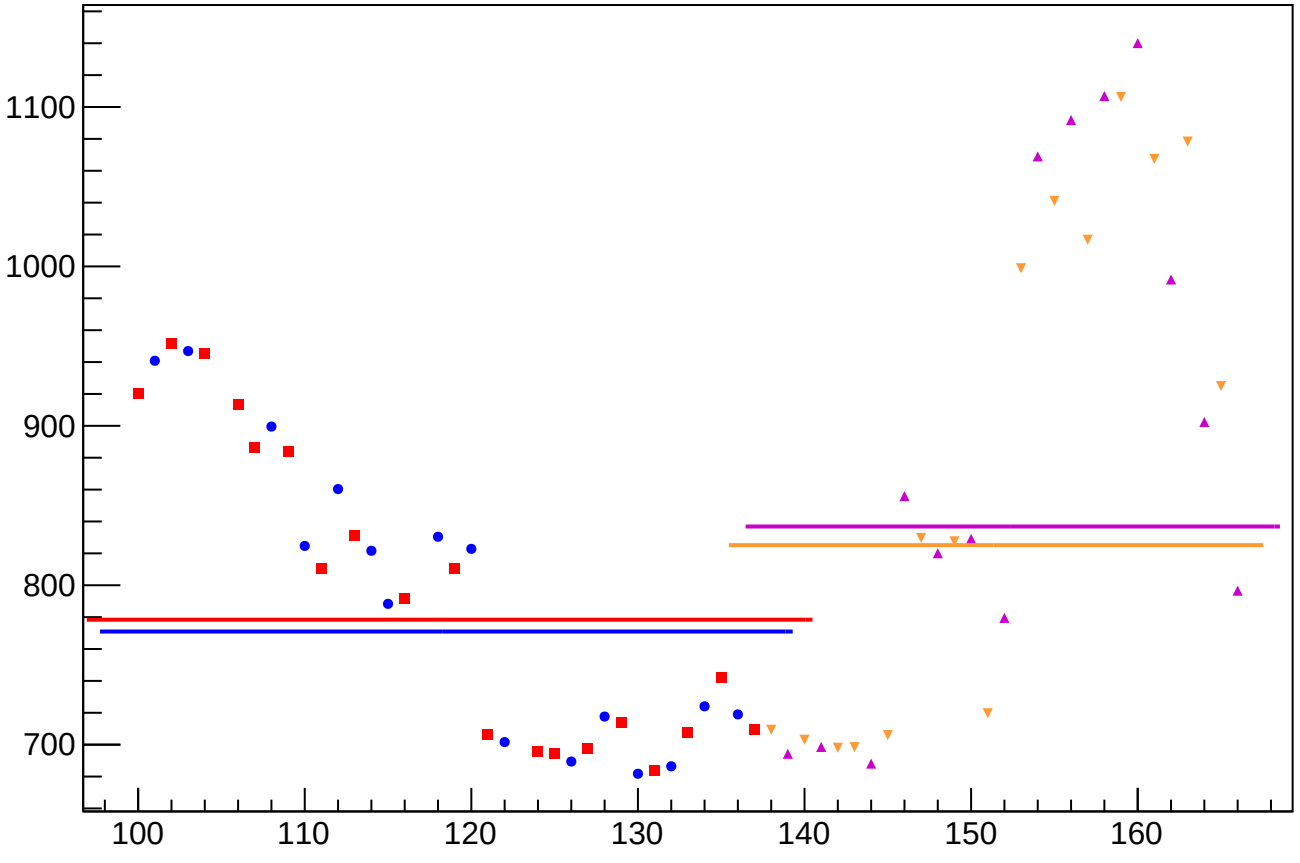
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.121+/-0.189 χ^2/NDF:2272.1/29

Out: 0.274+/-0.186 χ^2/NDF:762.6/33

All: 1.180+/-0.133 χ^2/NDF: 3083.1/63

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 825.170+/-0.173 χ^2/NDF:732844.1/14

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 836.845+/-0.178 χ^2/NDF:673241.9/13

Left: 830.858+/-0.124 χ^2/NDF: 1408299.6/28

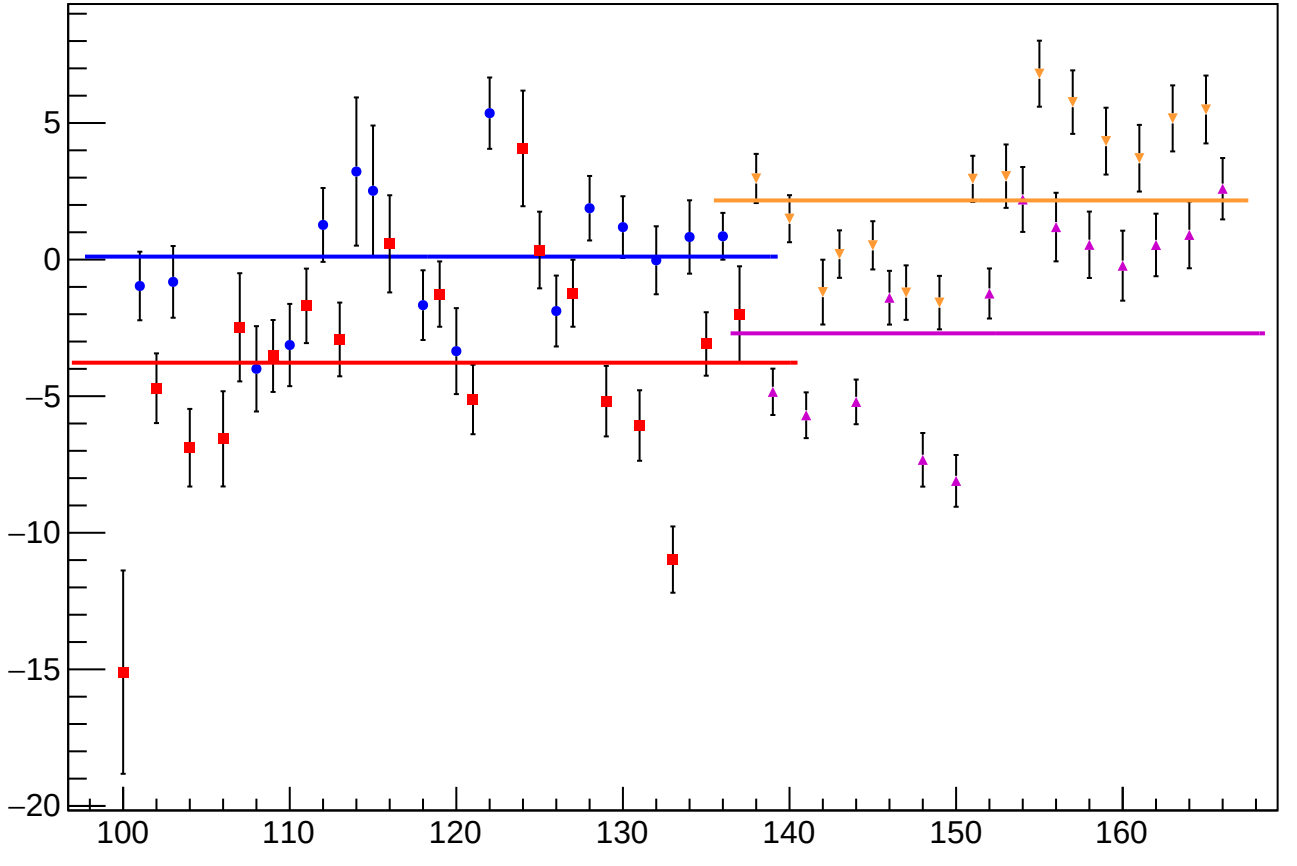
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.415+/-0.134 χ^2/NDF:925469.2/29

Out: 805.359+/-0.132 χ^2/NDF:960280.7/33

All: 806.859+/-0.094 χ^2/NDF: 1886014.8/63

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.166+/-0.265 χ^2/NDF:87.9/14

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -2.700+/-0.272 χ^2/NDF:164.0/13

Left: -0.210+/-0.190 χ^2/NDF: 416.0/28

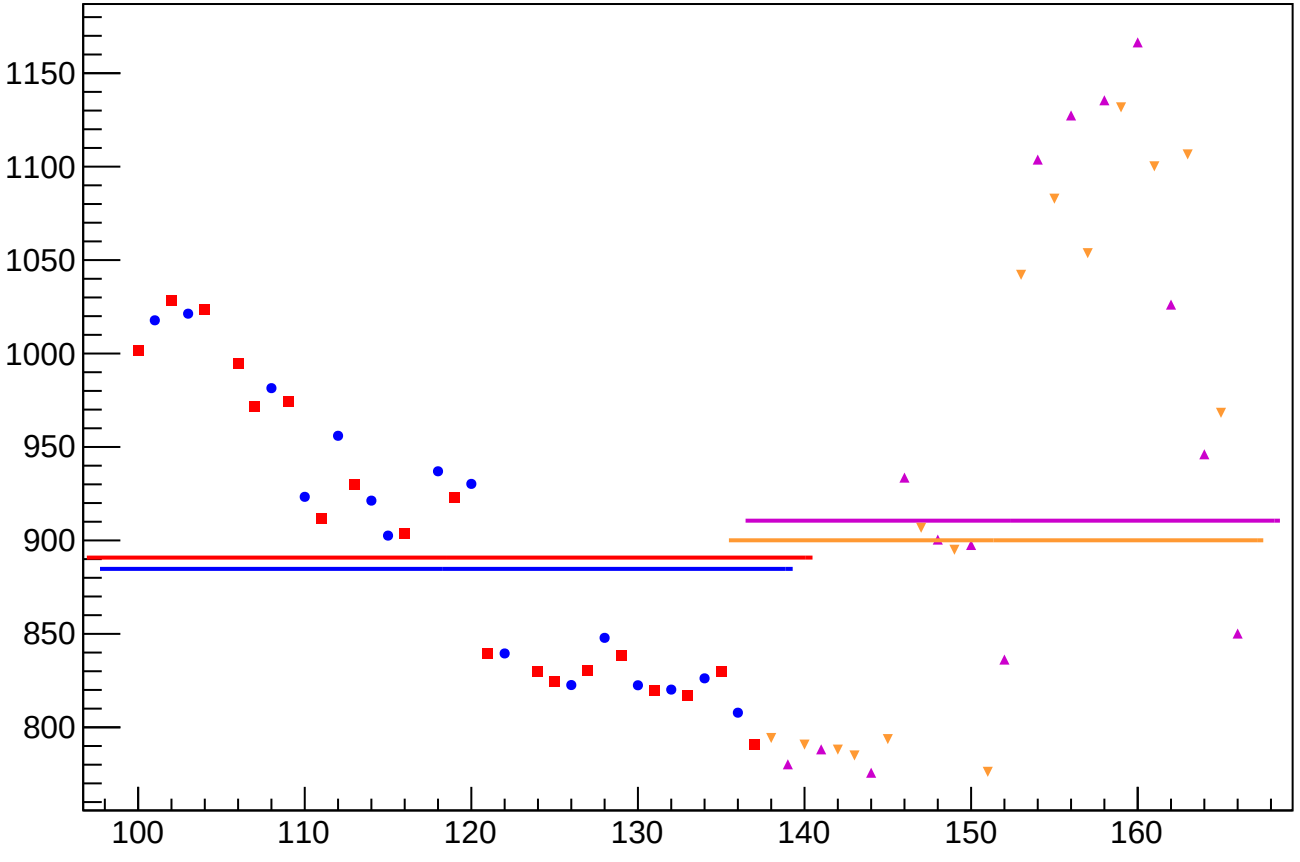
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.564+/-0.210 χ^2/NDF:252.5/29

Out: -0.201+/-0.206 χ^2/NDF:387.1/33

All: -0.870+/-0.147 χ^2/NDF: 661.1/63

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 900.065+/-0.188 χ^2/NDF:485489.0/14

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 910.570+/-0.192 χ^2/NDF:447996.9/13

Left: 905.194+/-0.134 χ^2/NDF: 935015.1/28

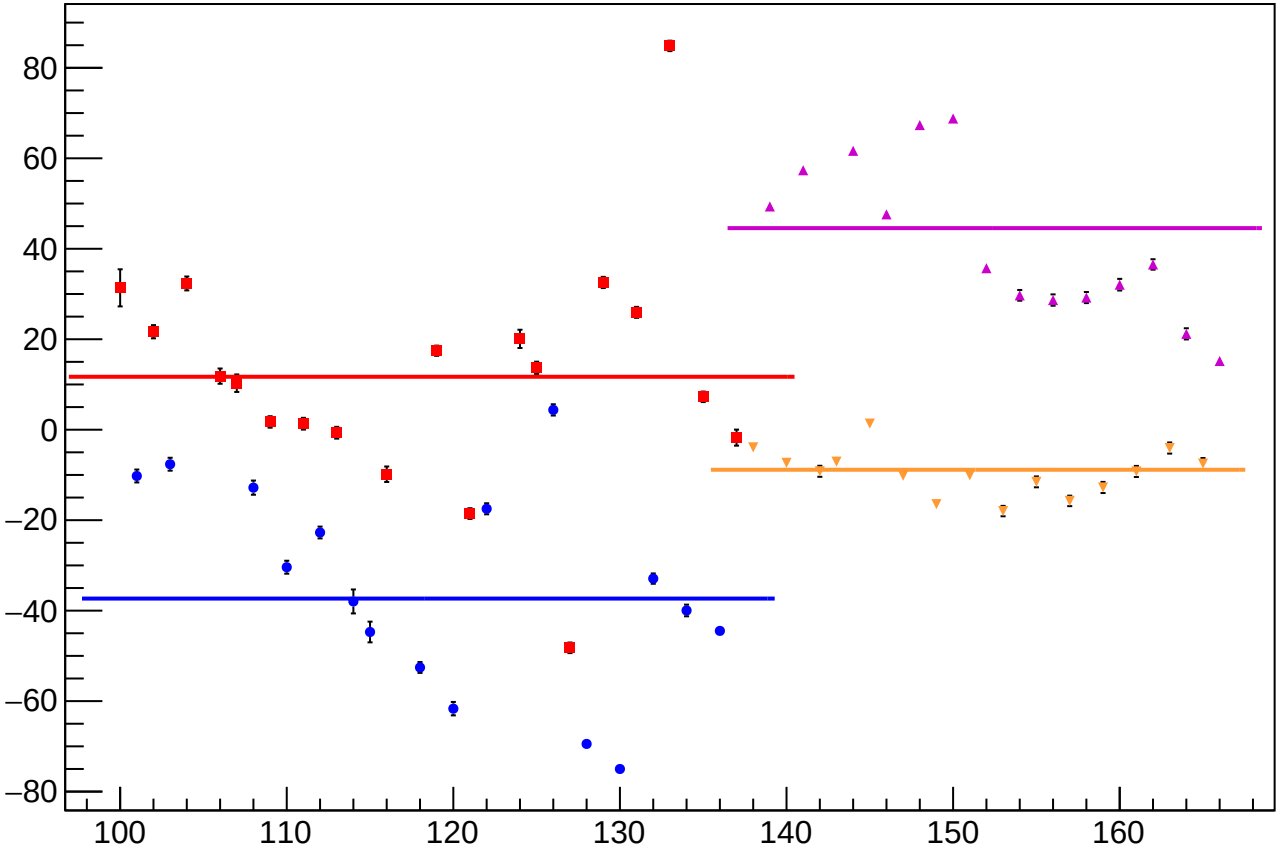
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 900.142+/-0.148 χ^2/NDF:559776.3/29

Out: 896.378+/-0.146 χ^2/NDF:594220.6/33

All: 898.225+/-0.104 χ^2/NDF: 1154324.8/63

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.851+/-0.269 χ^2/NDF:349.8/14

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 44.563+/-0.277 χ^2/NDF:3464.2/13

Left: 17.113+/-0.193 χ^2/NDF: 22927.9/28

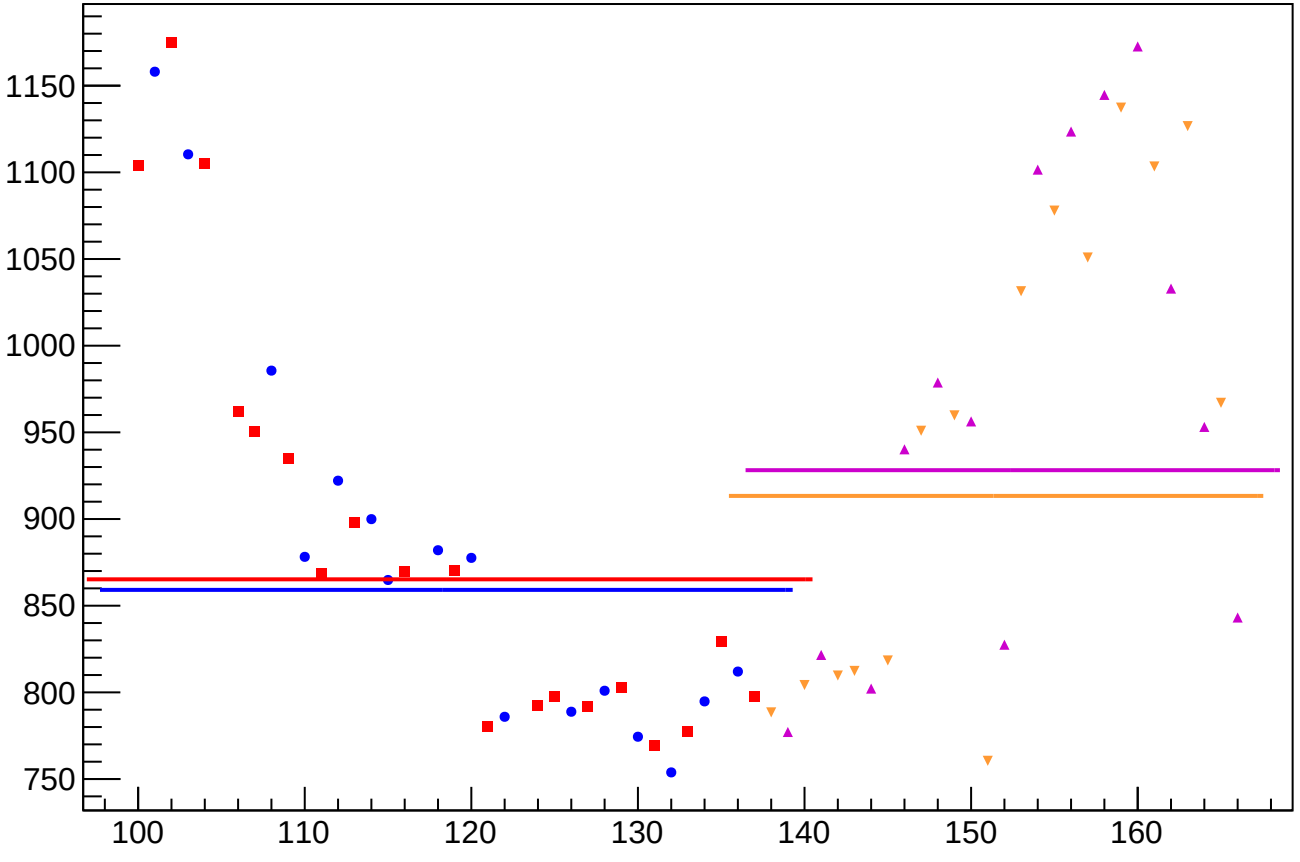
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.706+/-0.210 χ^2/NDF:45861.0/29

Out: -0.260+/-0.206 χ^2/NDF:11247.4/33

All: 4.617+/-0.147 χ^2/NDF: 58259.4/63

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 913.337+/-0.190 χ^2/NDF:471125.3/14

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 928.181+/-0.196 χ^2/NDF:423824.3/13

Left: 920.553+/-0.137 χ^2/NDF: 897901.9/28

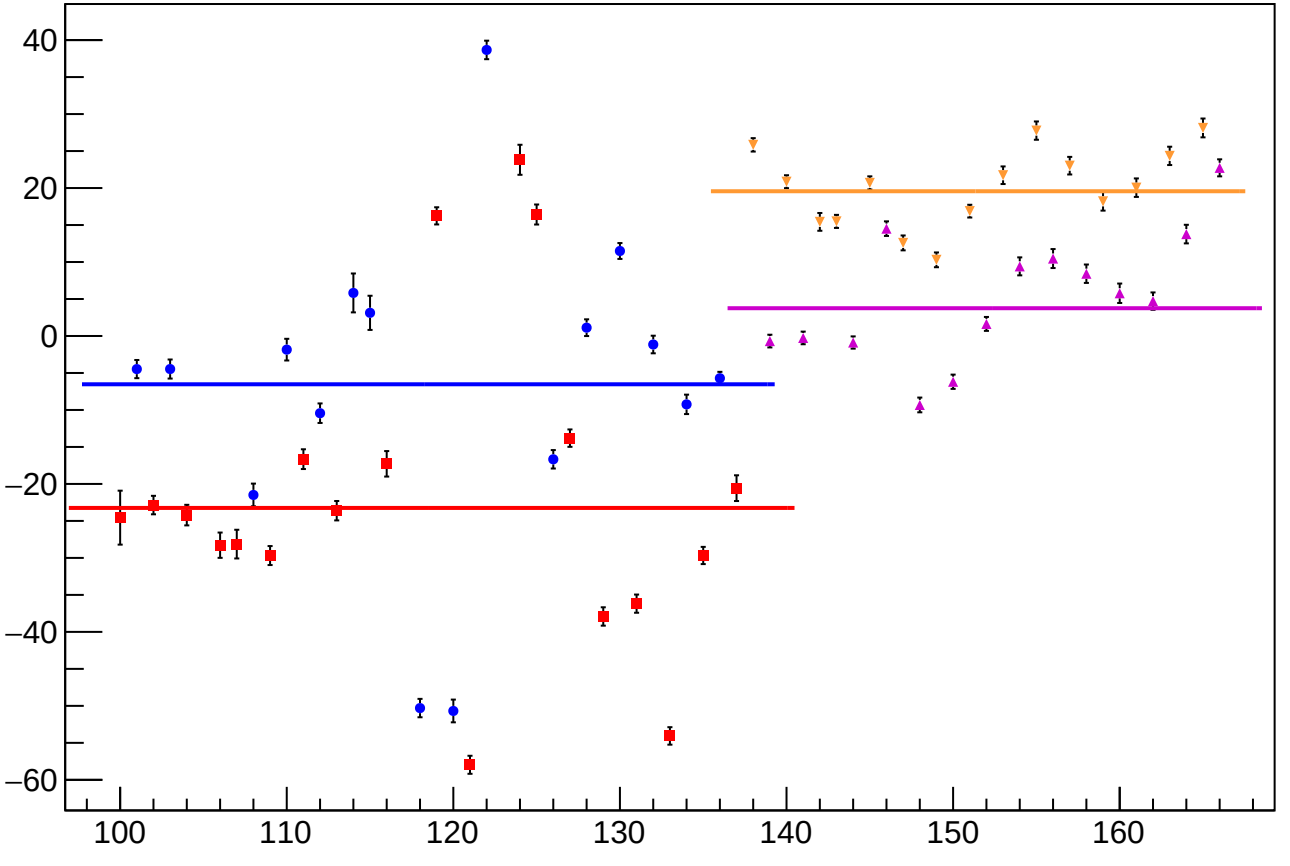
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 898.788+/-0.148 χ^2/NDF:705452.9/29

Out: 893.226+/-0.145 χ^2/NDF:721471.6/33

All: 895.949+/-0.104 χ^2/NDF: 1427641.4/63

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.567+/-0.270 χ^2/NDF:345.8/14

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 3.754+/-0.277 χ^2/NDF:883.6/13

Left: 11.853+/-0.193 χ^2/NDF: 2900.5/28

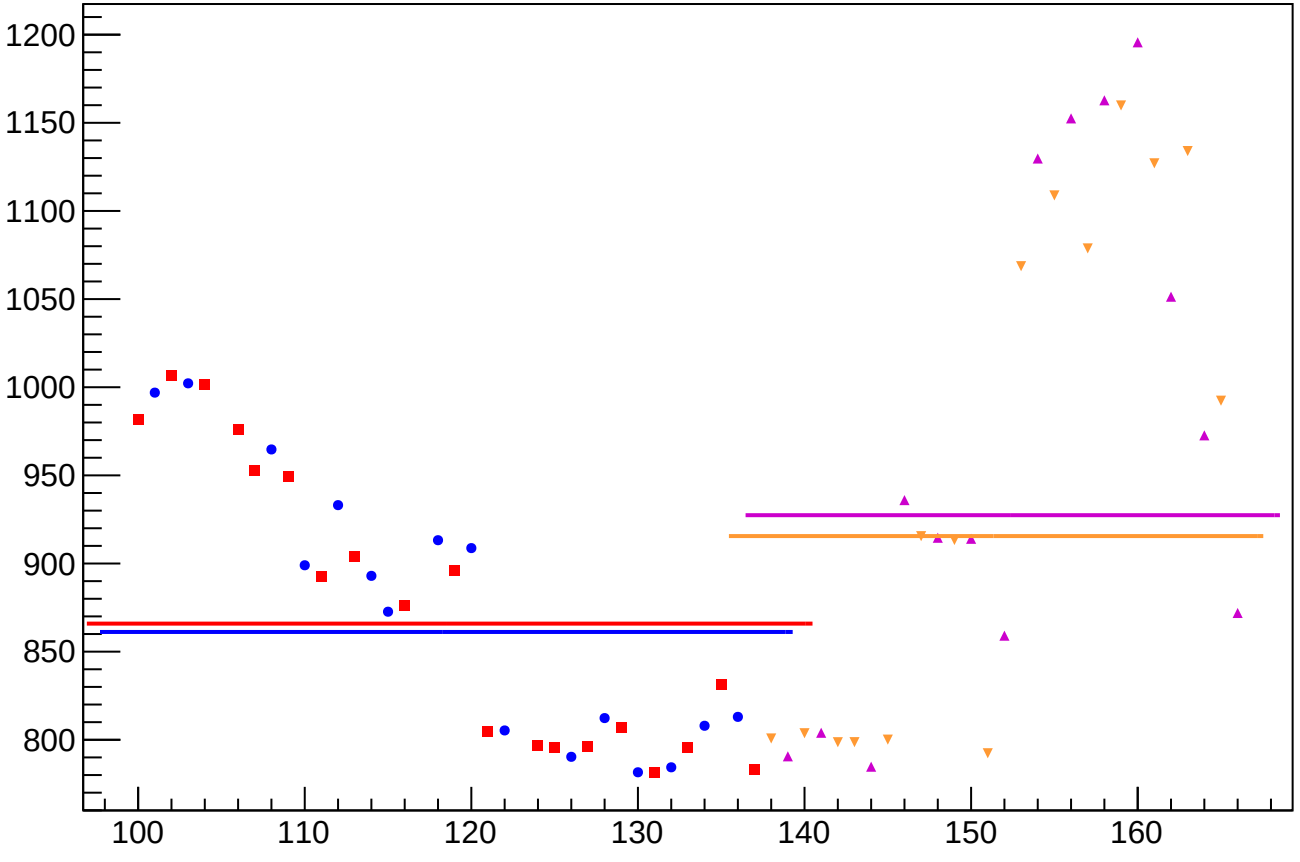
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -0.629+/-0.210 χ^2/NDF:5417.8/29

Out: 1.556+/-0.206 χ^2/NDF:15379.5/33

All: 0.485+/-0.147 χ^2/NDF: 20852.7/63

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 915.564+/-0.191 χ^2/NDF:515265.1/14

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 927.414+/-0.196 χ^2/NDF:464991.3/13

Left: 921.344+/-0.137 χ^2/NDF: 982133.1/28

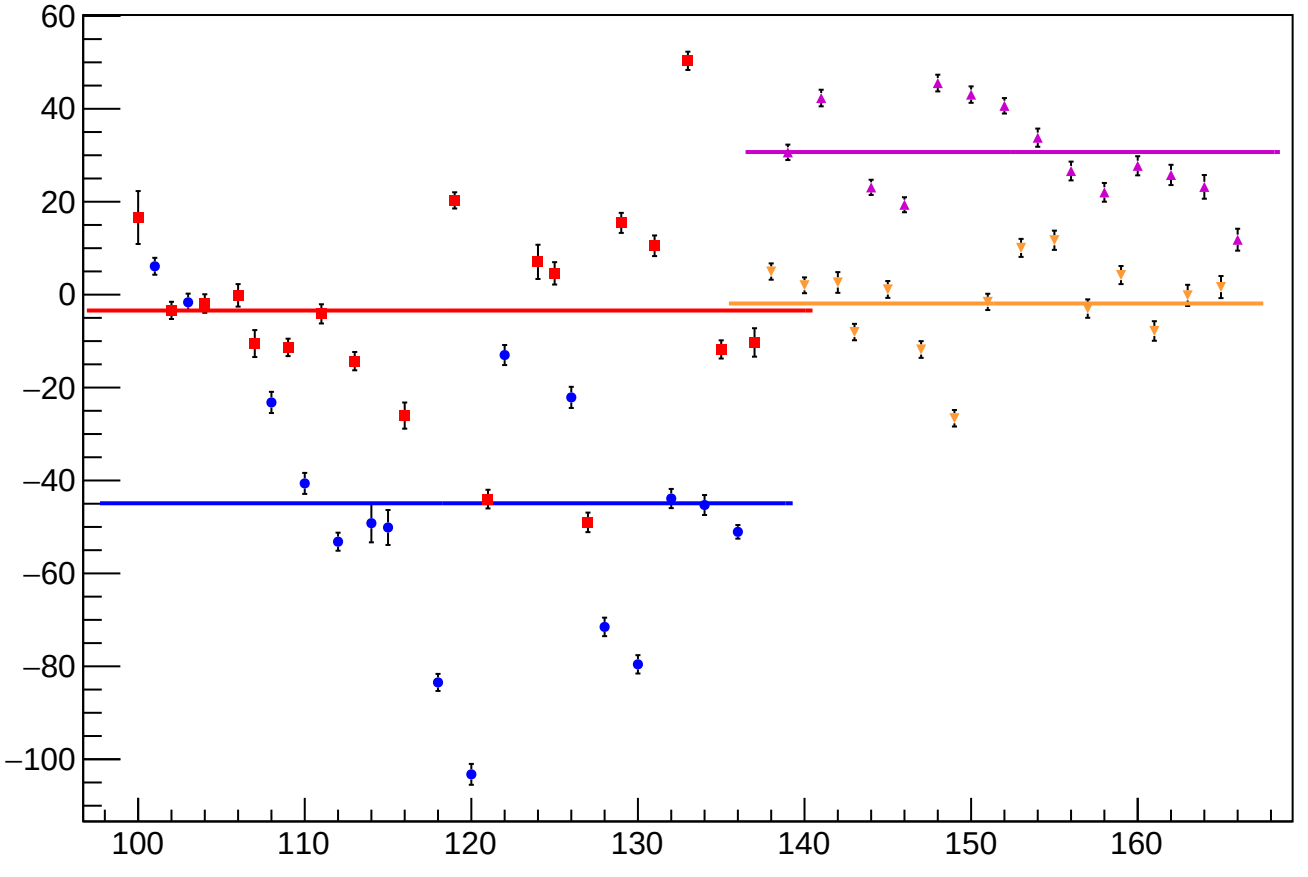
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 899.177+/-0.148 χ^2/NDF:627332.7/29

Out: 894.673+/-0.145 χ^2/NDF:662109.2/33

All: 896.881+/-0.104 χ^2/NDF: 1289912.2/63

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.907+/-0.496 χ^2/NDF:365.4/14

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 30.695+/-0.503 χ^2/NDF:370.5/13

Left: 14.168+/-0.353 χ^2/NDF: 2864.5/28

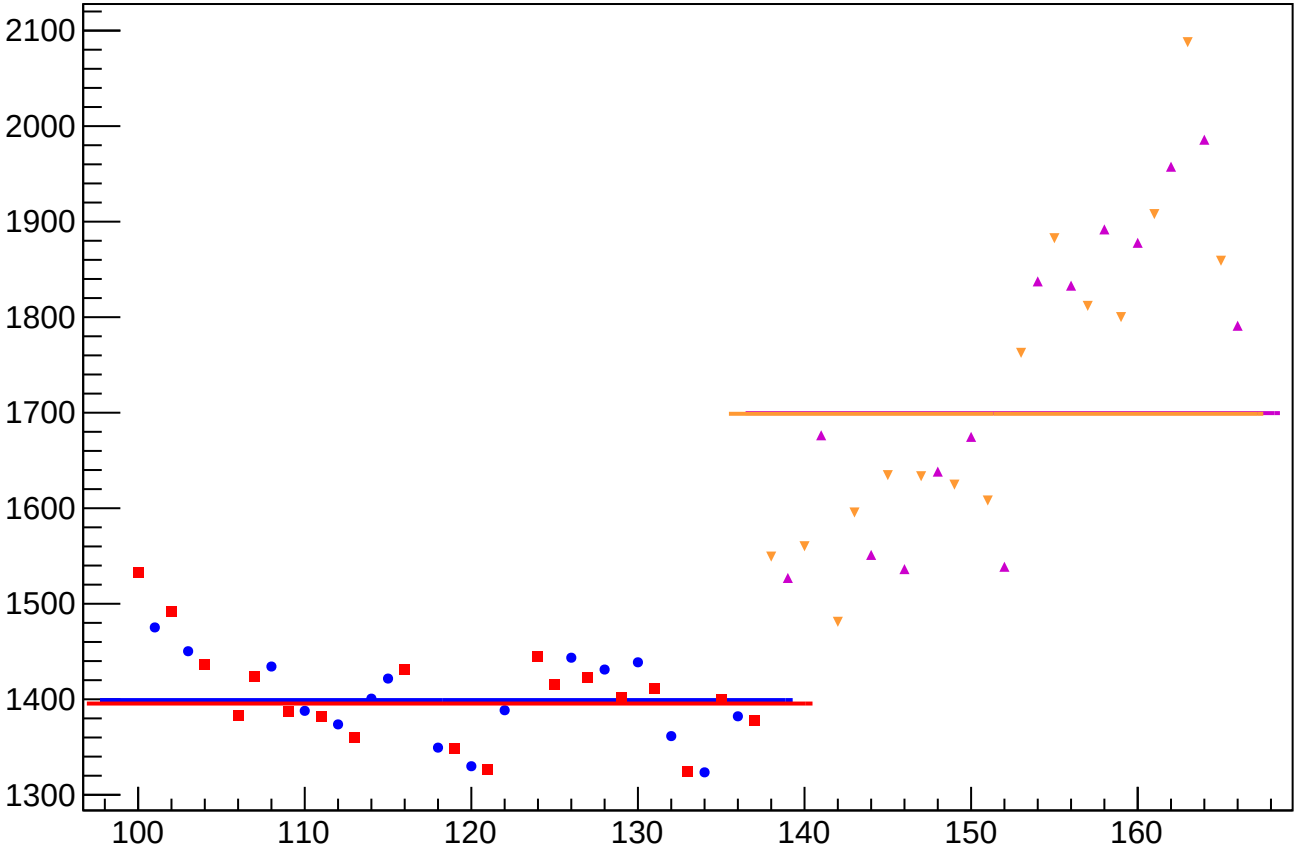
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -5.865+/-0.362 χ^2/NDF:14667.3/29

Out: -2.642+/-0.355 χ^2/NDF:2472.0/33

All: -4.226+/-0.253 χ^2/NDF: 17179.7/63

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1698.870+/-0.351 χ^2/NDF:184879.7/14

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1699.571+/-0.356 χ^2/NDF:188034.5/13

Left: 1699.216+/-0.250 χ^2/NDF: 372916.2/28

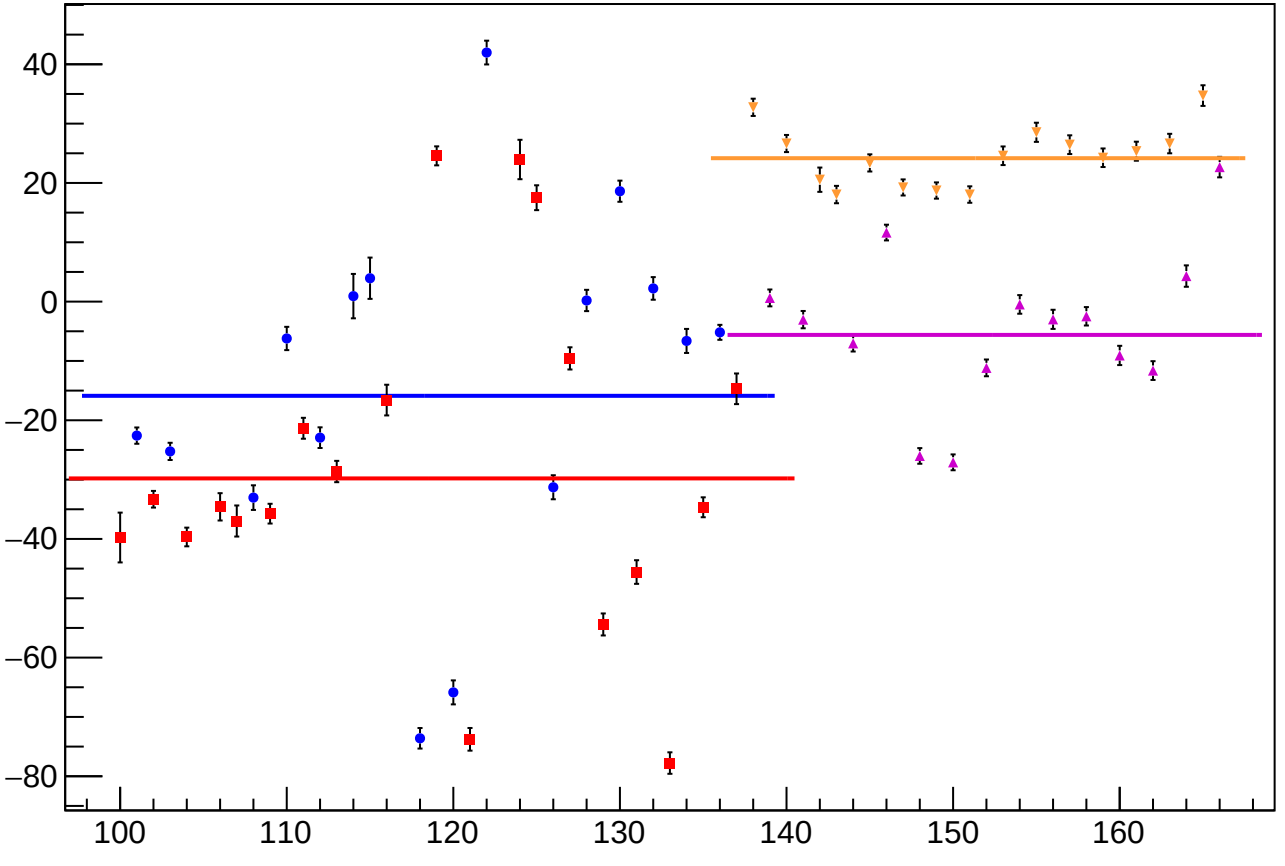
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1554.299+/-0.256 χ^2/NDF:547689.9/29

Out: 1551.125+/-0.251 χ^2/NDF:565191.4/33

All: 1552.684+/-0.179 χ^2/NDF: 1112959.7/63

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 24.172+/-0.395 χ^2/NDF:156.2/14

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -5.612+/-0.398 χ^2/NDF:1041.3/13

Left: 9.391+/-0.280 χ^2/NDF: 4024.6/28

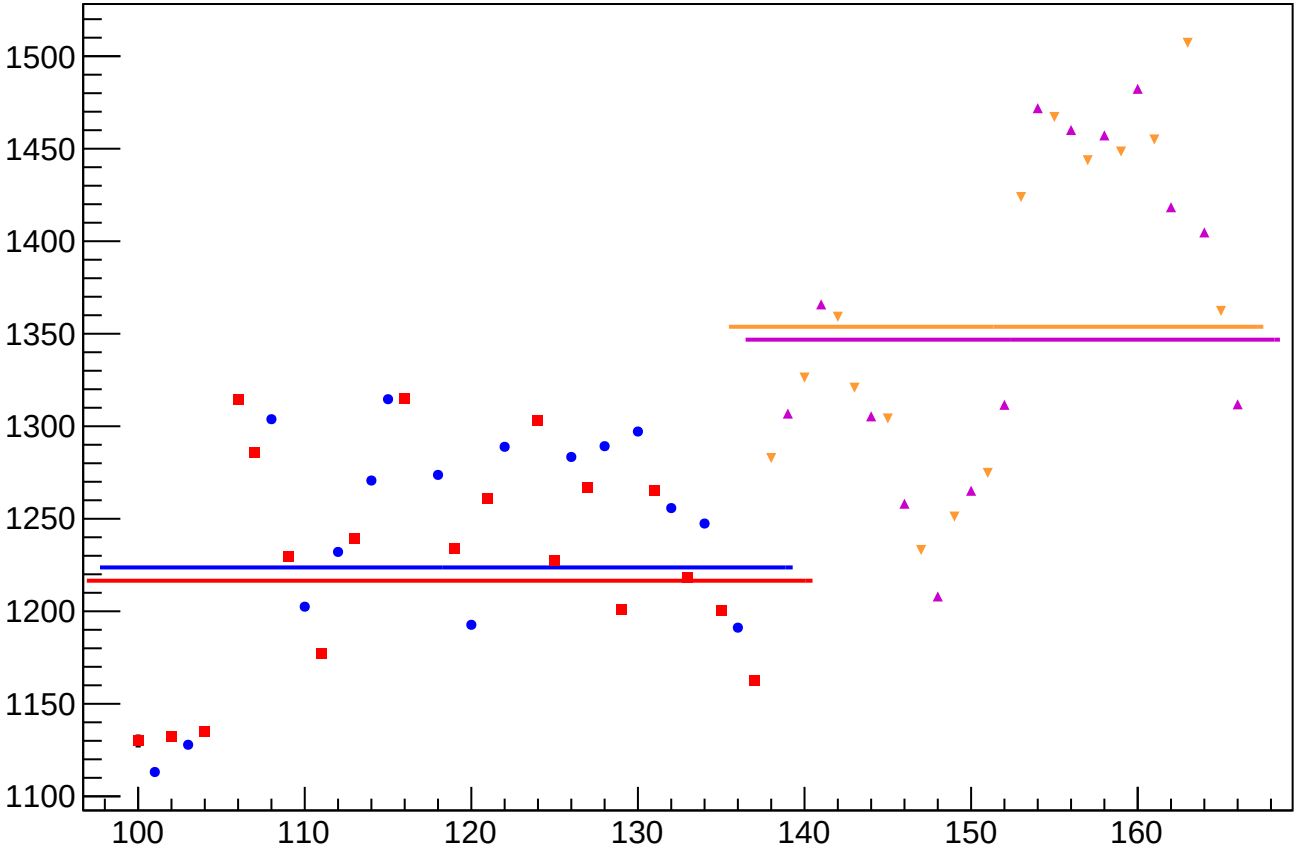
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -10.054+/-0.299 χ^2/NDF:4807.6/29

Out: 0.374+/-0.295 χ^2/NDF:12085.6/33

All: -4.763+/-0.210 χ^2/NDF: 17508.5/63

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.770+/-0.279 χ^2/NDF:95579.8/14

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1346.796+/-0.281 χ^2/NDF:97230.4/13

Left: 1350.309+/-0.198 χ^2/NDF: 193120.2/28

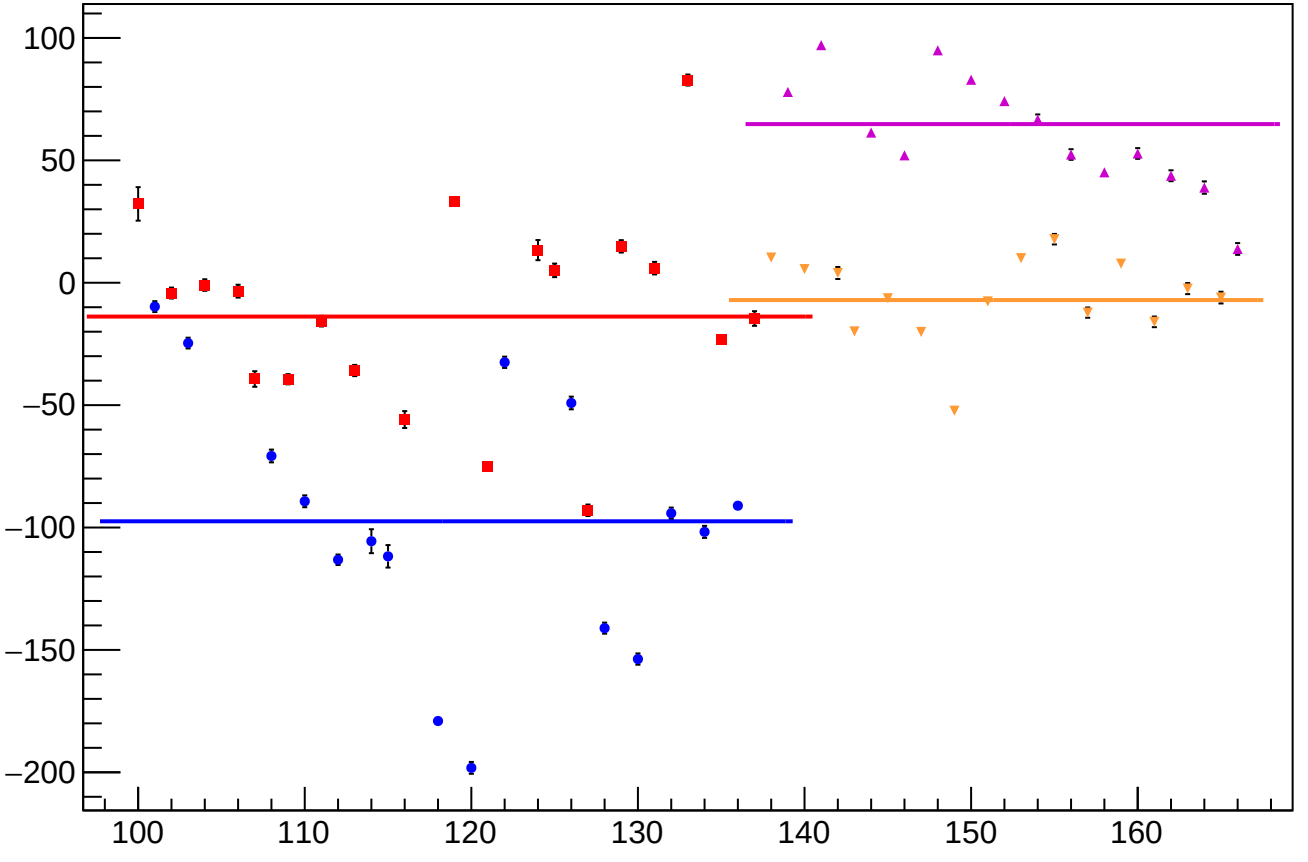
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1293.535+/-0.212 χ^2/NDF:221069.3/29

Out: 1293.259+/-0.209 χ^2/NDF:231614.8/33

All: 1293.395+/-0.149 χ^2/NDF: 452684.9/63

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.074+/-0.510 χ^2/NDF:1189.5/14

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 64.814+/-0.519 χ^2/NDF:1663.4/13

Left: 28.275+/-0.364 χ^2/NDF: 12619.3/28

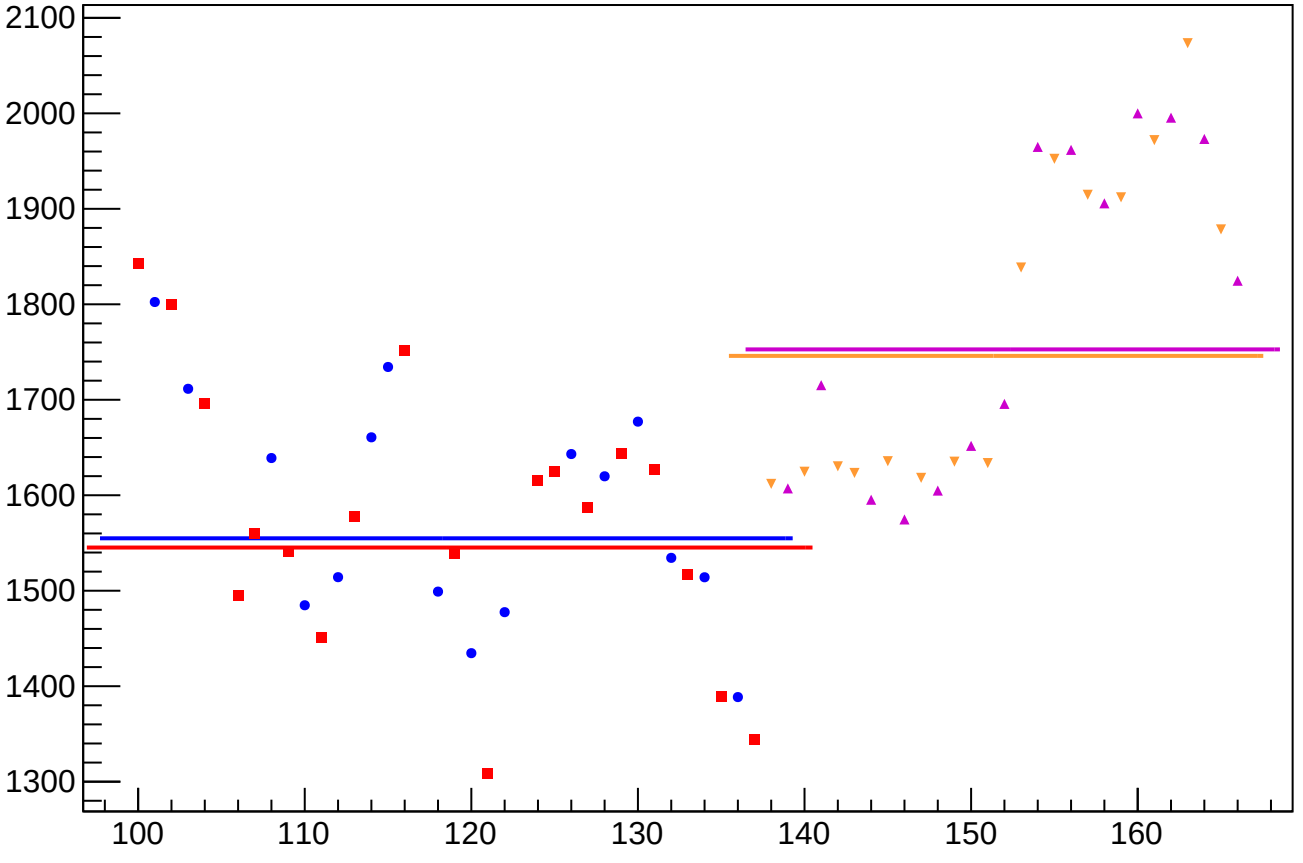
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -7.361+/-0.386 χ^2/NDF:53509.4/29

Out: -10.098+/-0.379 χ^2/NDF:6620.0/33

All: -8.756+/-0.271 χ^2/NDF: 60155.0/63

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1745.969+/-0.361 χ^2/NDF:185495.4/14

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1752.765+/-0.367 χ^2/NDF:194817.1/13

Left: 1749.311+/-0.257 χ^2/NDF: 380487.1/28

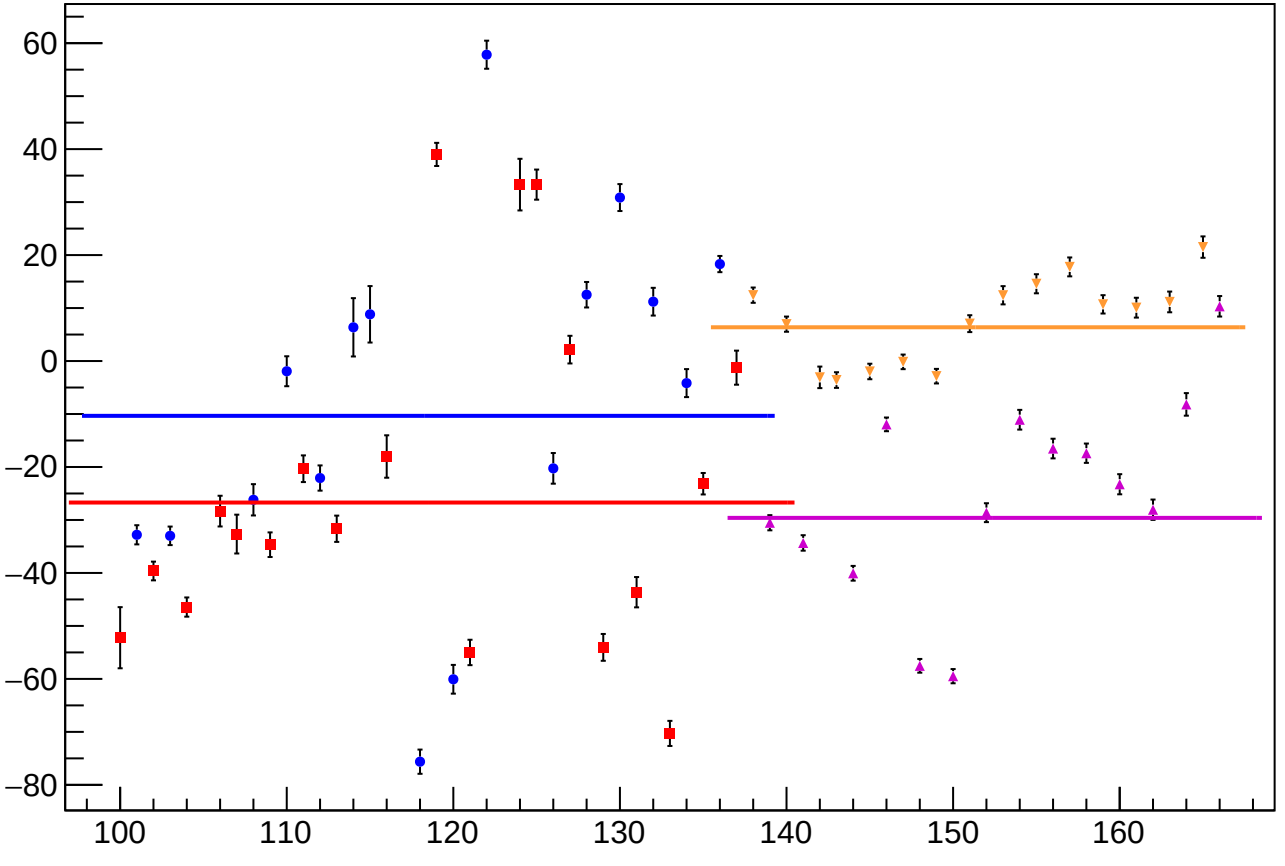
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1664.762+/-0.273 χ^2/NDF:412217.4/29

Out: 1655.947+/-0.268 χ^2/NDF:433182.5/33

All: 1660.267+/-0.191 χ^2/NDF: 845930.6/63

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 6.373+/-0.420 χ^2/NDF:331.4/14

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -29.605+/-0.428 χ^2/NDF:1945.1/13

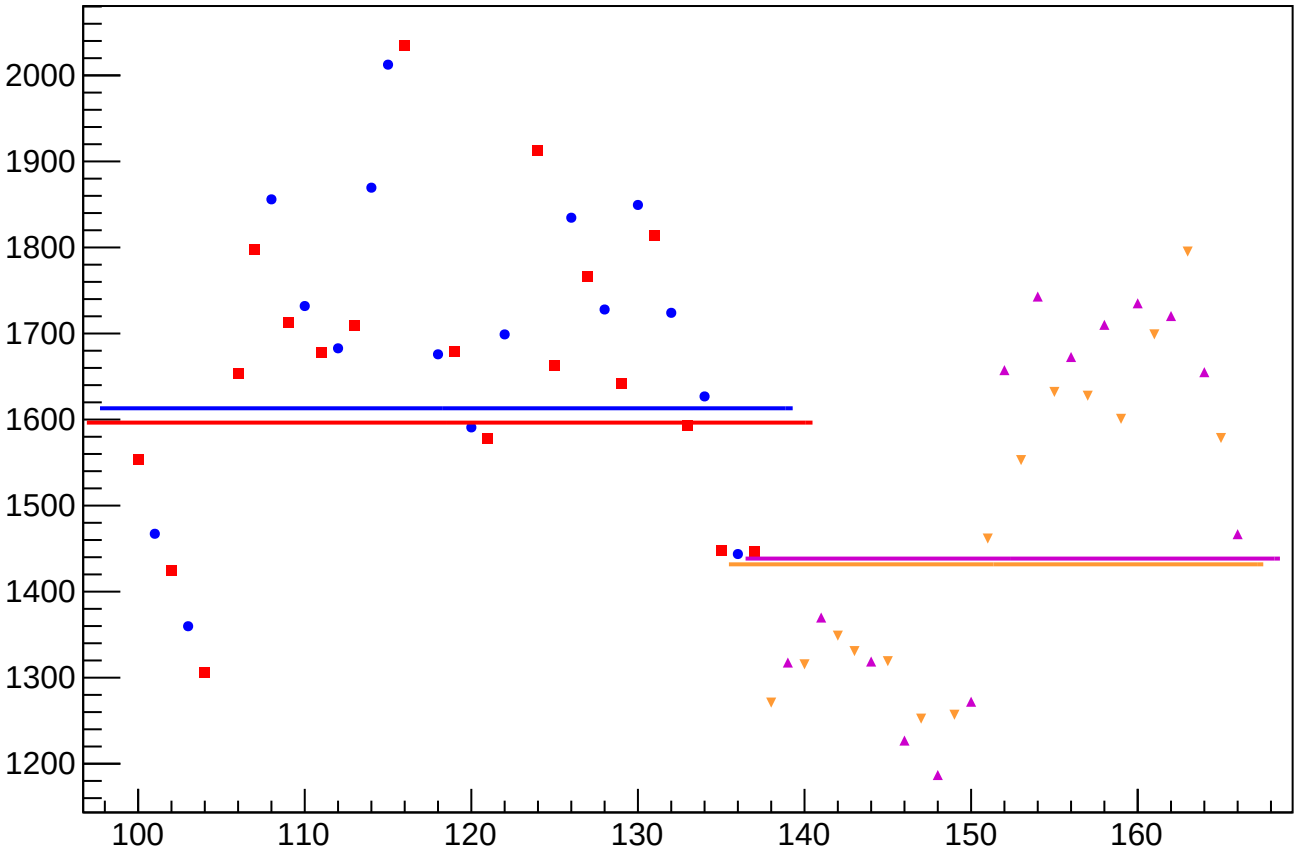
Left: -11.257+/-0.300 χ^2/NDF: 5873.3/28

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -23.146+/-0.349 χ^2/NDF:5629.9/29

Out: -4.843+/-0.341 χ^2/NDF:4976.2/33

All: -13.786+/-0.244 χ^2/NDF: 12010.4/63



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1431.733+/-0.297 χ^2/NDF:327658.7/14

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1438.412+/-0.303 χ^2/NDF:465877.4/13

Left: 1435.005+/-0.212 χ^2/NDF: 793783.9/28

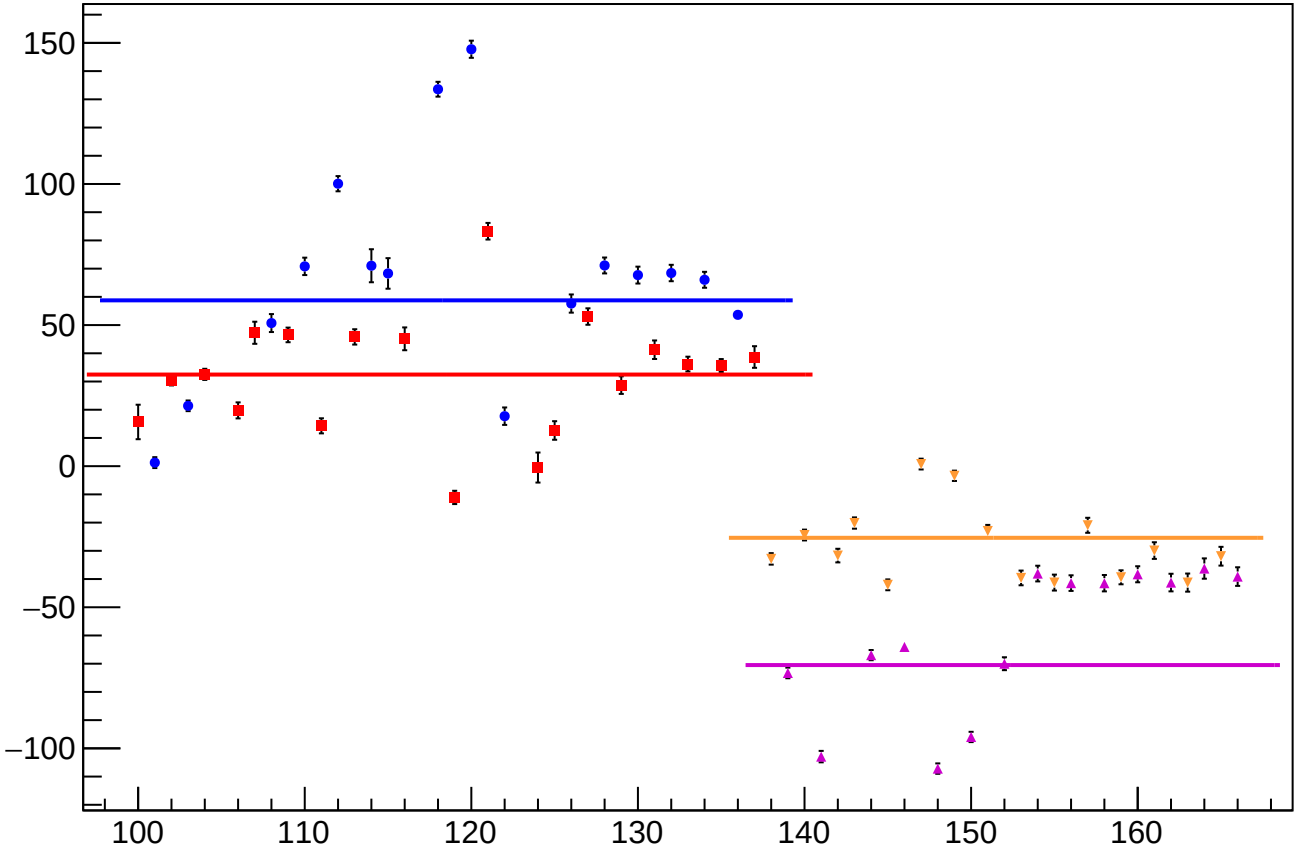
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1496.990+/-0.247 χ^2/NDF:732093.8/29

Out: 1487.573+/-0.241 χ^2/NDF:592683.5/33

All: 1492.174+/-0.173 χ^2/NDF: 1325520.8/63

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.388+/-0.591 χ^2/NDF:560.8/14

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -70.484+/-0.607 χ^2/NDF:1609.3/13

Left: -47.304+/-0.423 χ^2/NDF: 5004.2/28

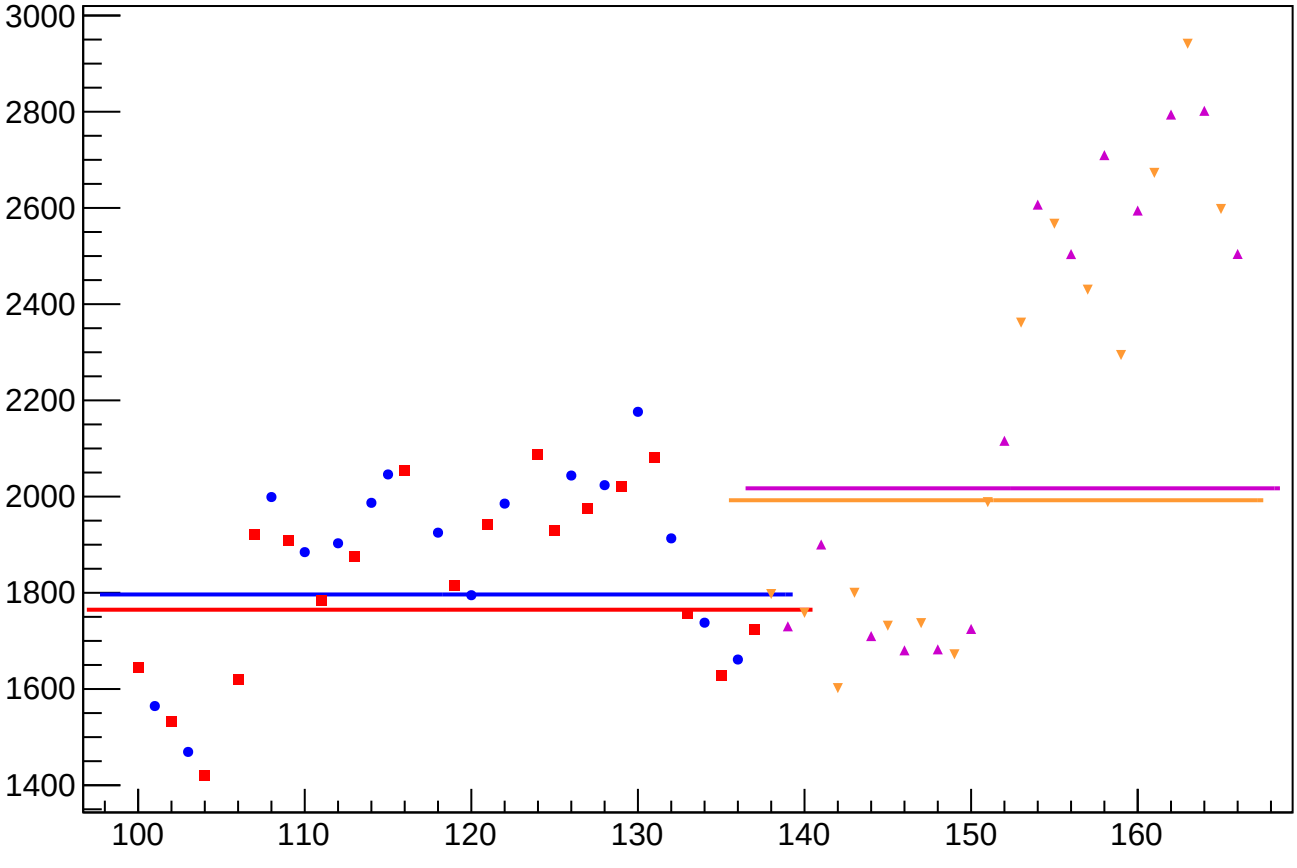
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -12.422+/-0.451 χ^2/NDF:25398.1/29

Out: 0.842+/-0.437 χ^2/NDF:5843.0/33

All: -5.579+/-0.314 χ^2/NDF: 31687.9/63

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1992.398+/-0.418 χ^2/NDF:807042.0/14

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2017.203+/-0.429 χ^2/NDF:915260.3/13

Left: 2004.453+/-0.299 χ^2/NDF: 1724017.2/28

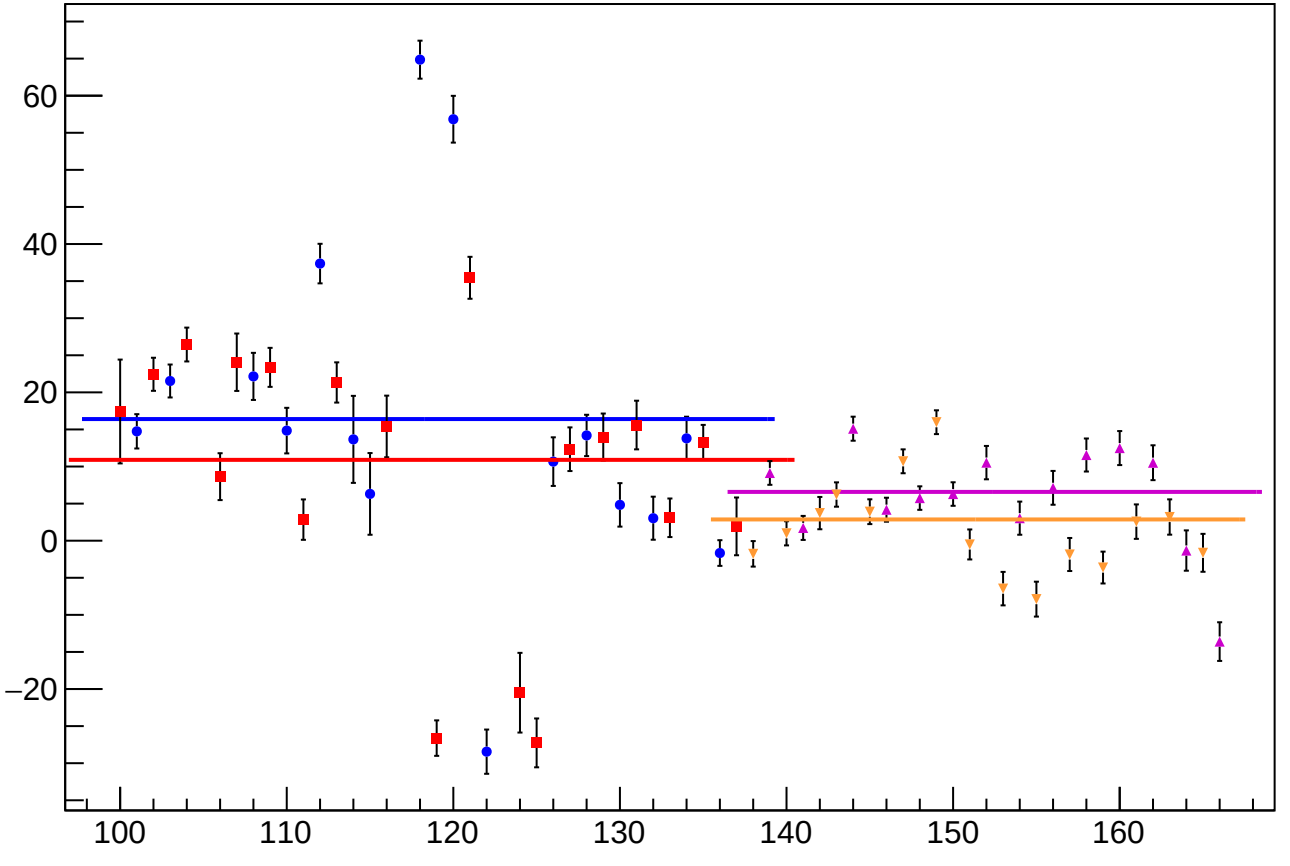
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1918.079+/-0.319 χ^2/NDF:1227028.8/29

Out: 1889.240+/-0.309 χ^2/NDF:1131645.5/33

All: 1903.201+/-0.222 χ^2/NDF: 2362898.6/63

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.865+/-0.501 χ^2/NDF:161.2/14

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 6.579+/-0.515 χ^2/NDF:130.2/13

Left: 4.673+/-0.359 χ^2/NDF: 318.2/28

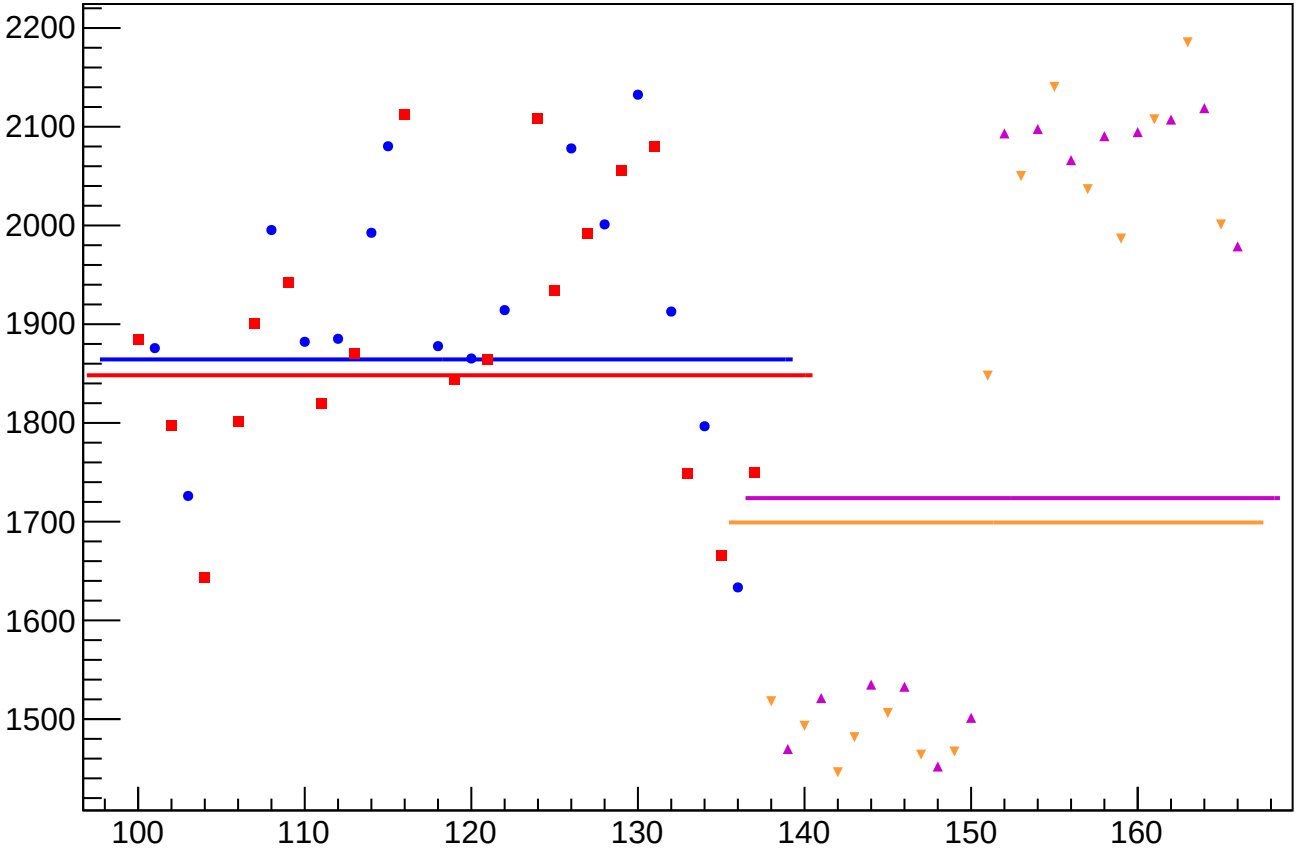
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.056+/-0.414 χ^2/NDF:1232.2/29

Out: 5.712+/-0.403 χ^2/NDF:894.1/33

All: 7.826+/-0.288 χ^2/NDF: 2182.9/63

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1699.181+/-0.354 χ^2/NDF:611828.2/14

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1723.846+/-0.364 χ^2/NDF:611212.3/13

Left: 1711.185+/-0.254 χ^2/NDF: 1225399.6/28

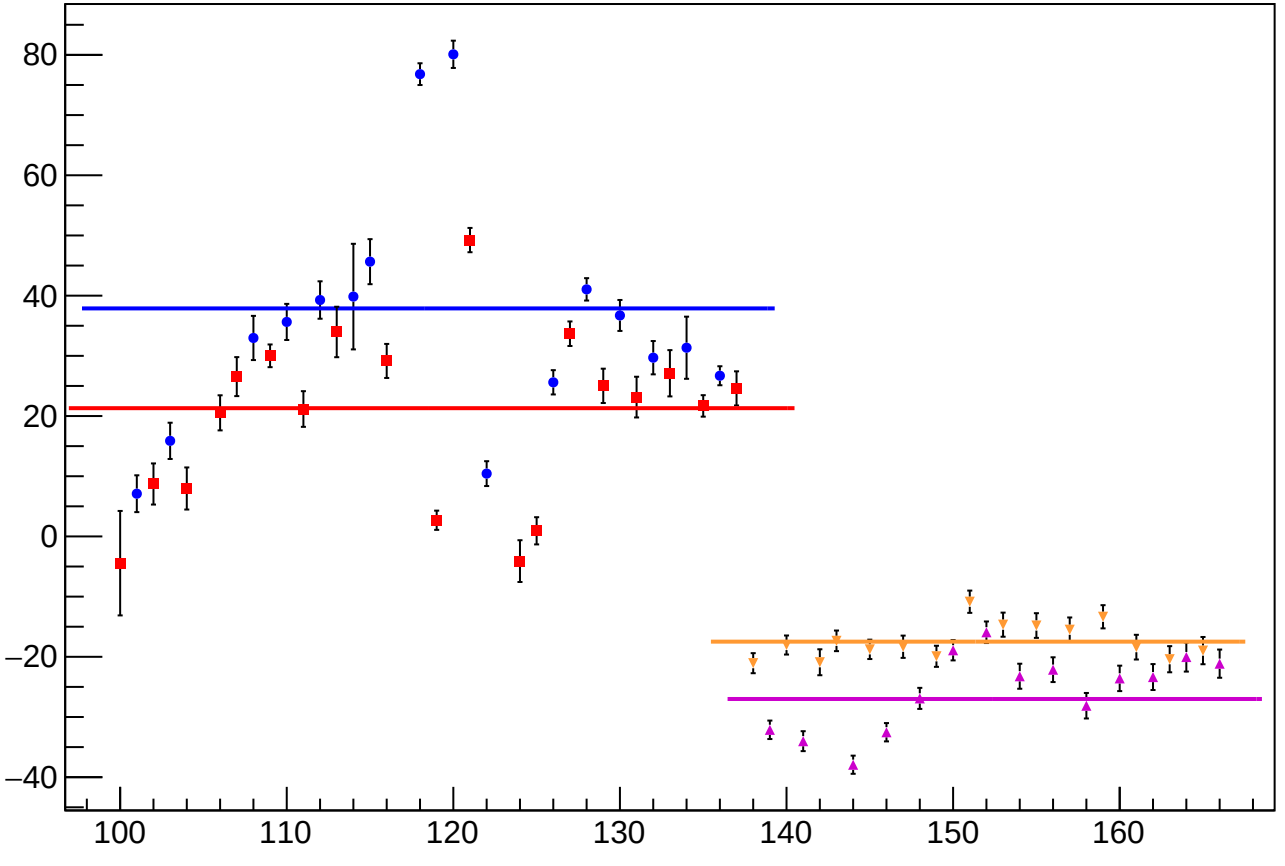
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1773.587+/-0.292 χ^2/NDF:747316.7/29

Out: 1752.017+/-0.285 χ^2/NDF:749558.2/33

All: 1762.512+/-0.204 χ^2/NDF: 1499669.0/63

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.480+/-0.485 χ^2/NDF:34.6/14

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.007+/-0.492 χ^2/NDF:185.3/13

Left: -22.176+/-0.345 χ^2/NDF: 410.1/28

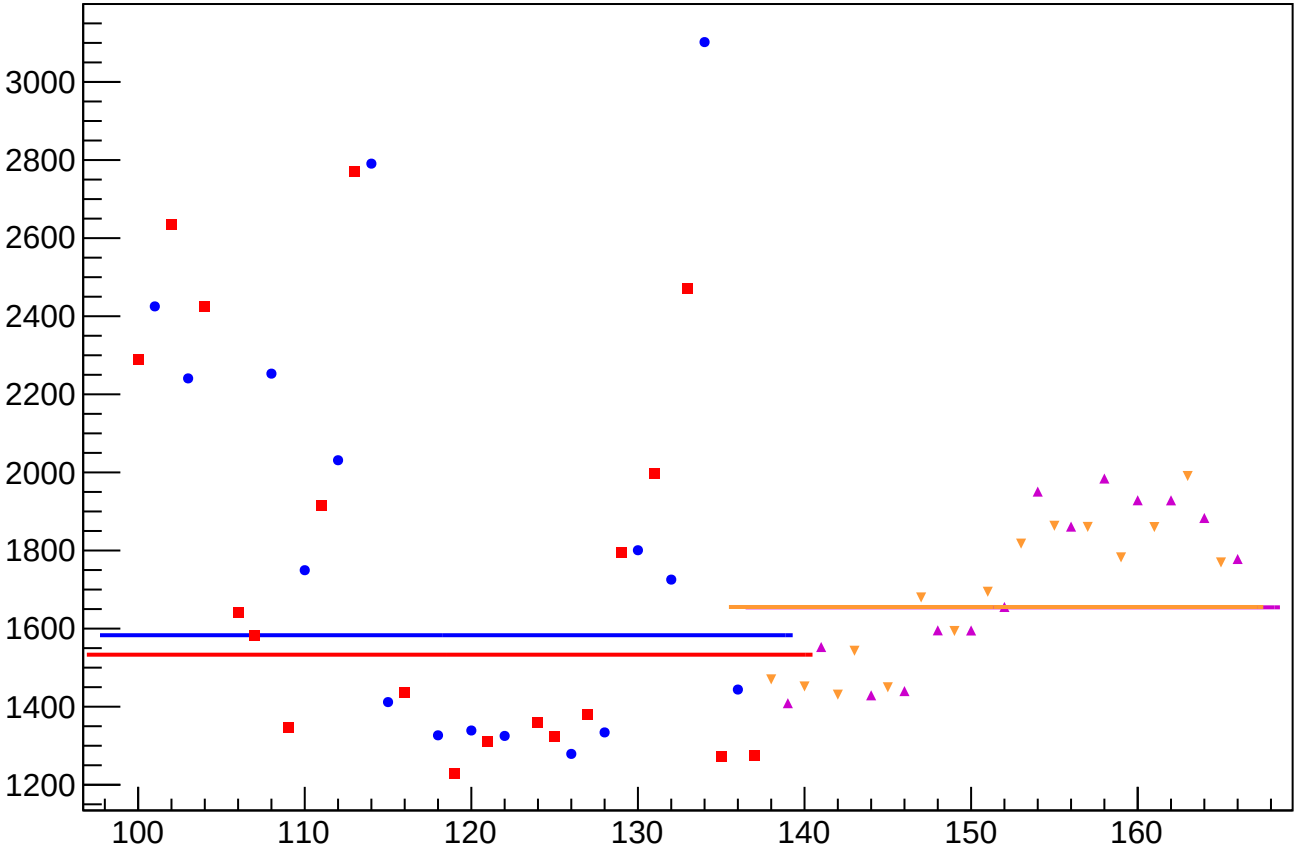
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -2.065+/-0.386 χ^2/NDF:8126.7/29

Out: -1.936+/-0.375 χ^2/NDF:3181.3/33

All: -1.999+/-0.269 χ^2/NDF: 11308.1/63

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1655.342+/-0.343 χ^2/NDF:259764.0/14

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1654.470+/-0.348 χ^2/NDF:346717.1/13

Left: 1654.912+/-0.244 χ^2/NDF: 606484.3/28

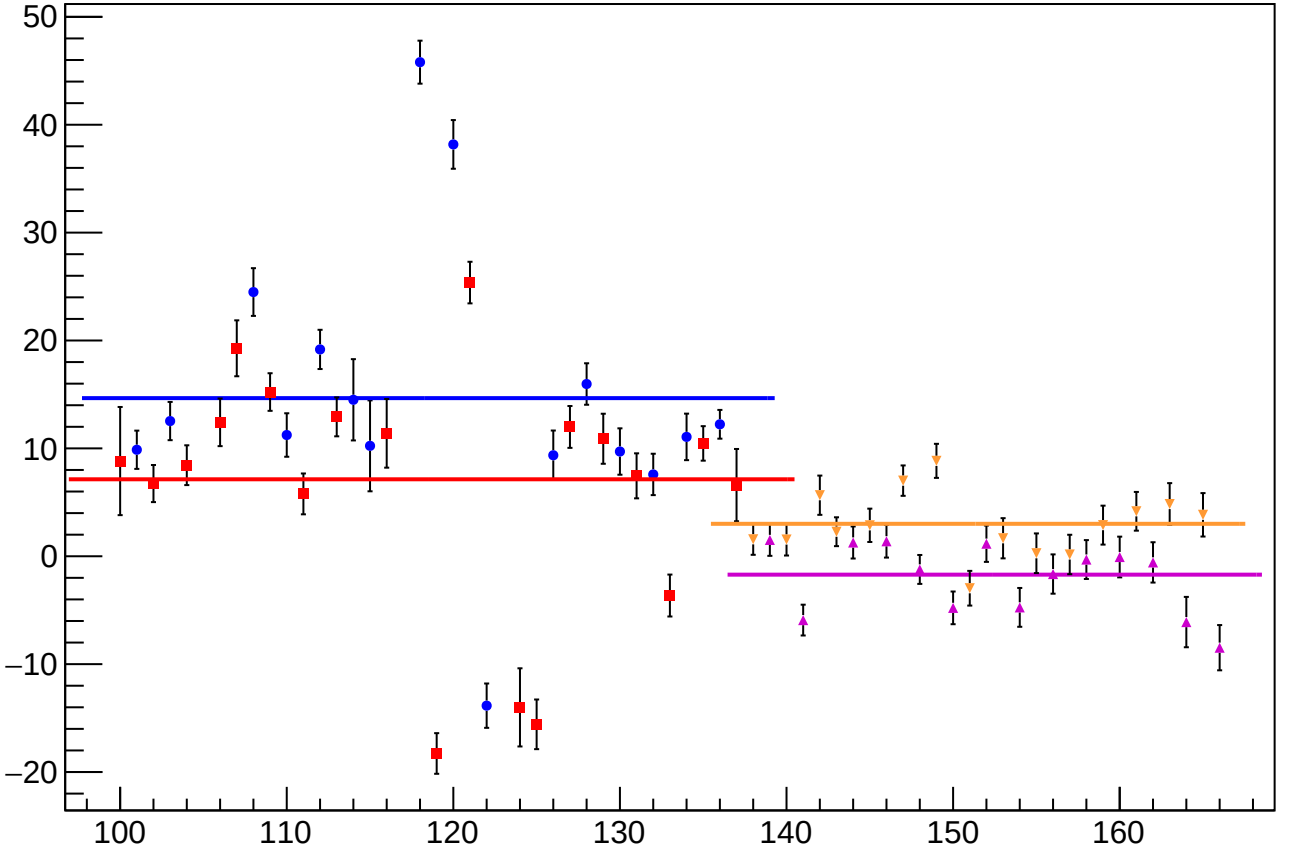
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1627.017+/-0.273 χ^2/NDF:1150603.5/29

Out: 1606.387+/-0.265 χ^2/NDF:1261406.0/33

All: 1616.418+/-0.190 χ^2/NDF: 2414946.7/63

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.008+/-0.426 χ^2/NDF:46.5/14

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.705+/-0.444 χ^2/NDF:47.4/13

Left: 0.750+/-0.307 χ^2/NDF: 152.7/28

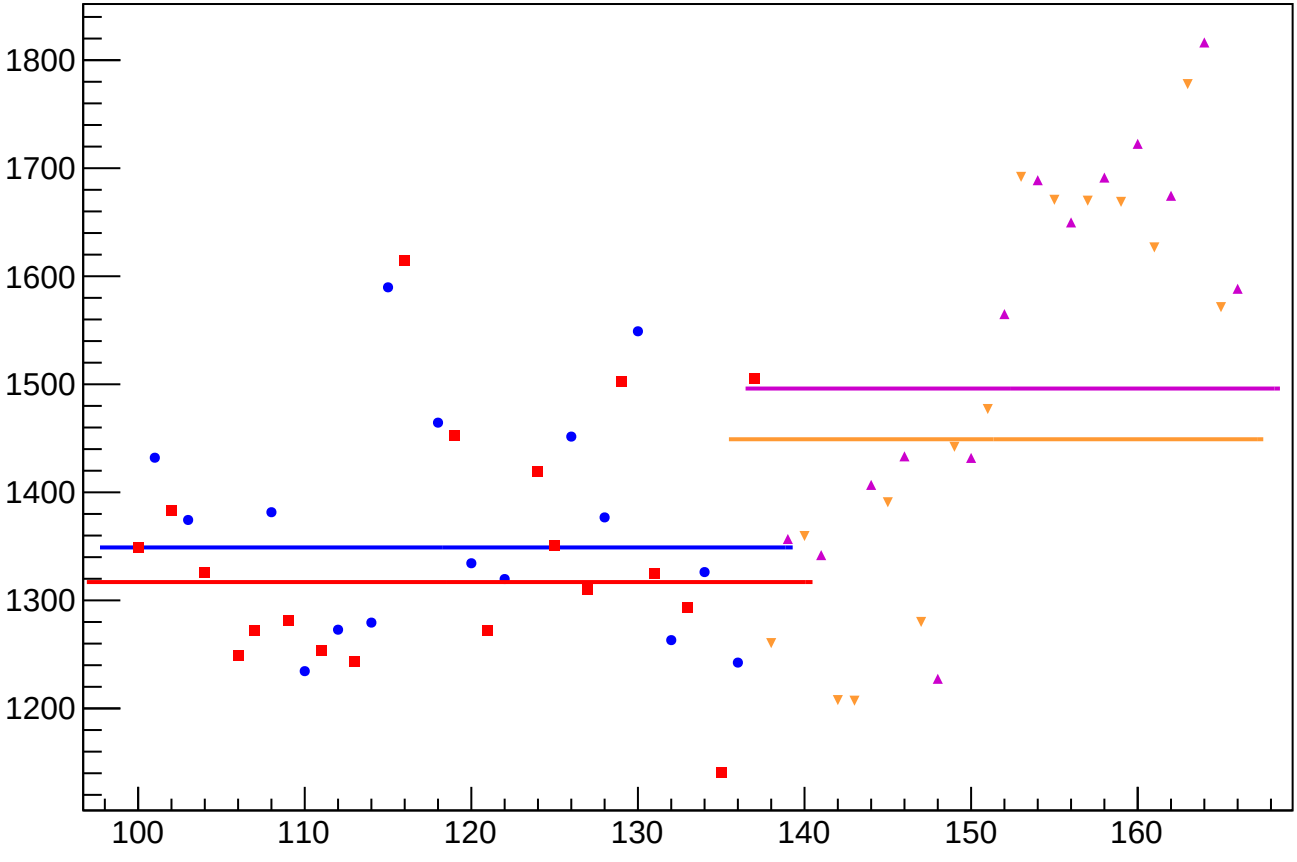
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 5.432+/-0.333 χ^2/NDF:1255.2/29

Out: 4.810+/-0.319 χ^2/NDF:597.0/33

All: 5.108+/-0.231 χ^2/NDF: 1854.1/63

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1449.131+/-0.301 χ^2/NDF:380961.0/14

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1496.073+/-0.314 χ^2/NDF:288263.9/13

Left: 1471.617+/-0.217 χ^2/NDF: 680885.0/28

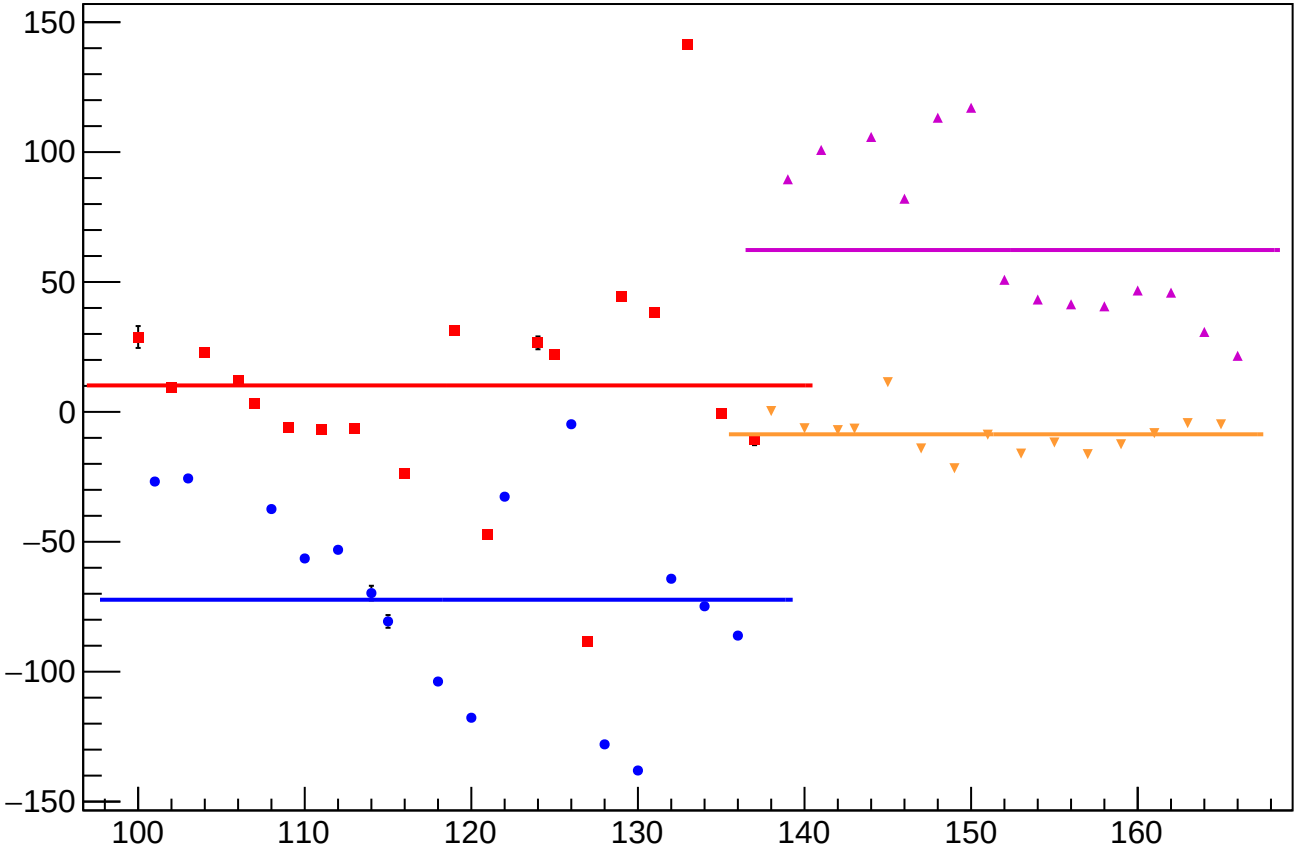
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1431.919+/-0.236 χ^2/NDF:452478.1/29

Out: 1391.400+/-0.226 χ^2/NDF:552119.8/33

All: 1410.799+/-0.163 χ^2/NDF: 1020014.4/63

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.624+/-0.250 χ^2/NDF:826.4/14

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 62.304+/-0.255 χ^2/NDF:14151.1/13

Left: 26.201+/-0.178 χ^2/NDF: 54489.4/28

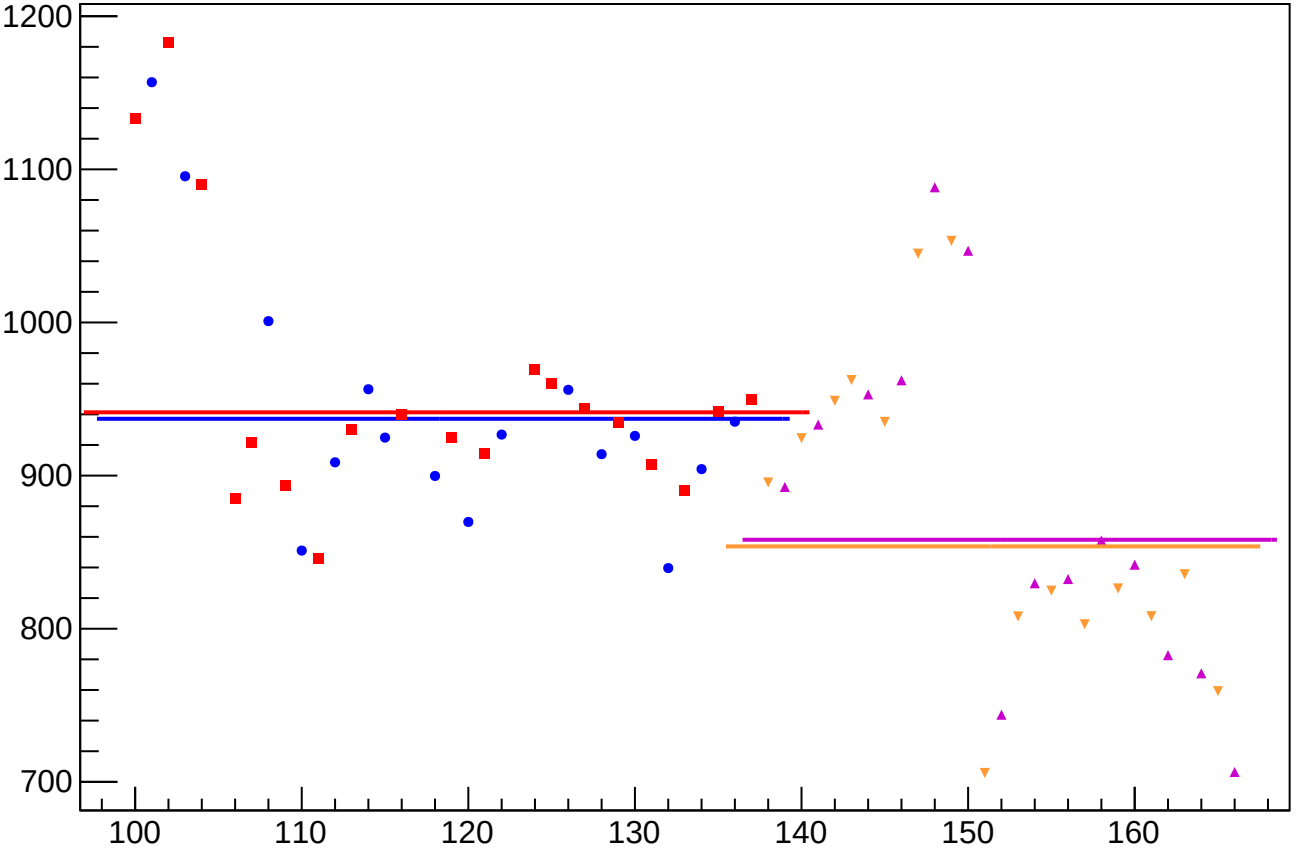
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.634+/-0.206 χ^2/NDF:123237.1/29

Out: -2.134+/-0.202 χ^2/NDF:21825.2/33

All: 6.602+/-0.144 χ^2/NDF: 148853.0/63

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 853.768+/-0.177 χ^2/NDF:285551.1/14

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 858.108+/-0.180 χ^2/NDF:314652.6/13

Left: 855.899+/-0.126 χ^2/NDF: 600499.5/28

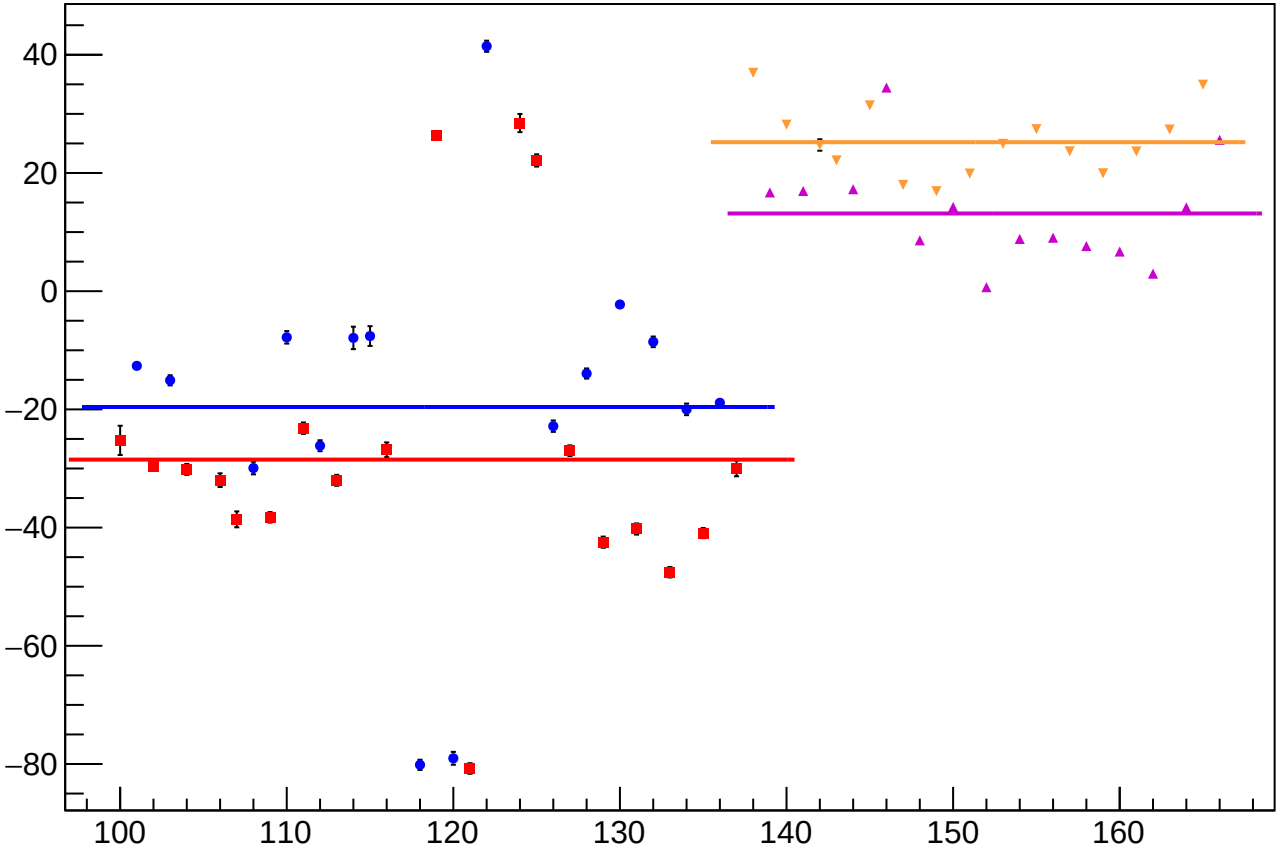
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 885.494+/-0.145 χ^2/NDF:486069.3/29

Out: 883.971+/-0.143 χ^2/NDF:471184.9/33

All: 884.720+/-0.102 χ^2/NDF: 957309.9/63

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 25.213+/-0.194 χ^2/NDF:870.5/14

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 13.148+/-0.198 χ^2/NDF:1991.0/13

Left: 19.314+/-0.139 χ^2/NDF: 4750.5/28

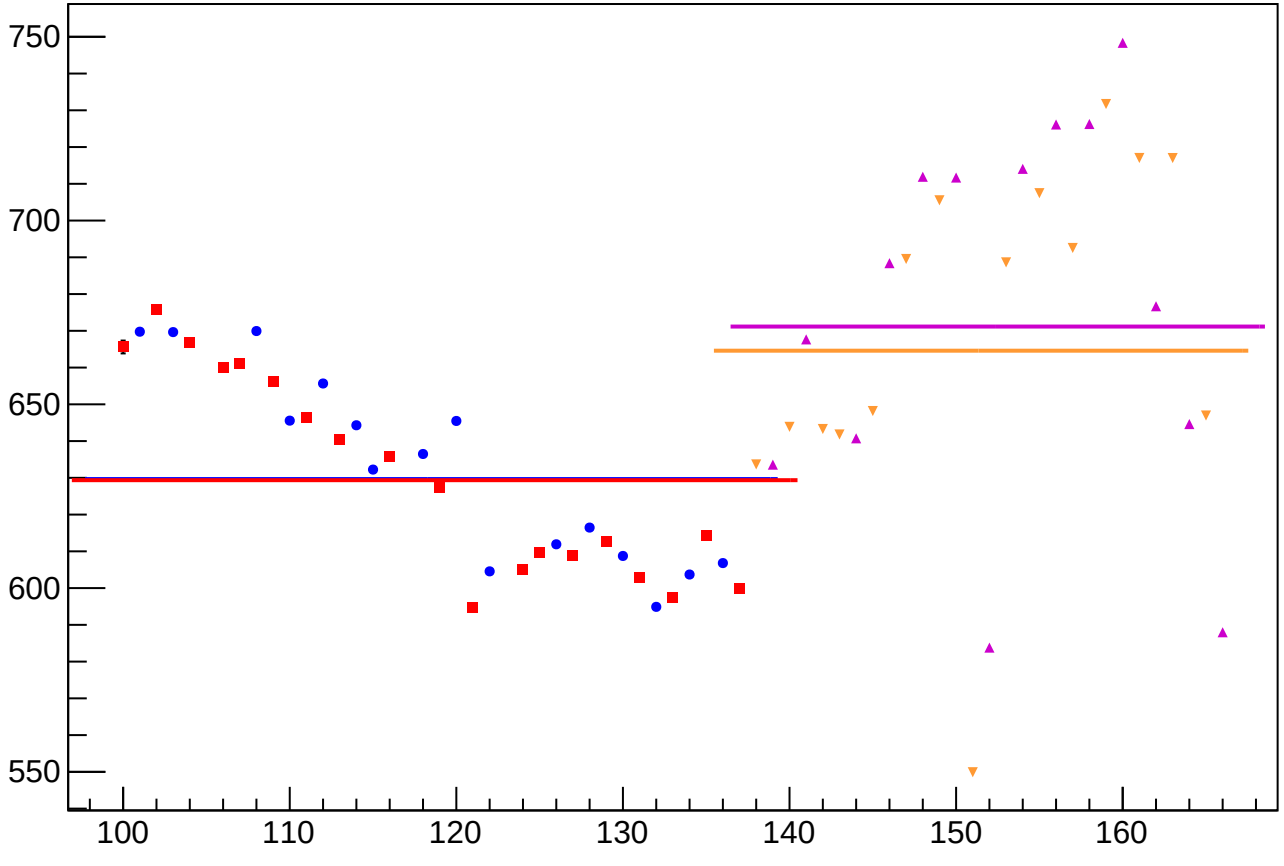
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -0.548+/-0.151 χ^2/NDF:26547.1/29

Out: 2.833+/-0.148 χ^2/NDF:45739.8/33

All: 1.177+/-0.106 χ^2/NDF: 72541.5/63

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 664.594+/-0.137 χ^2/NDF:134574.7/14

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 671.161+/-0.140 χ^2/NDF:129133.6/13

Left: 667.805+/-0.098 χ^2/NDF: 264827.3/28

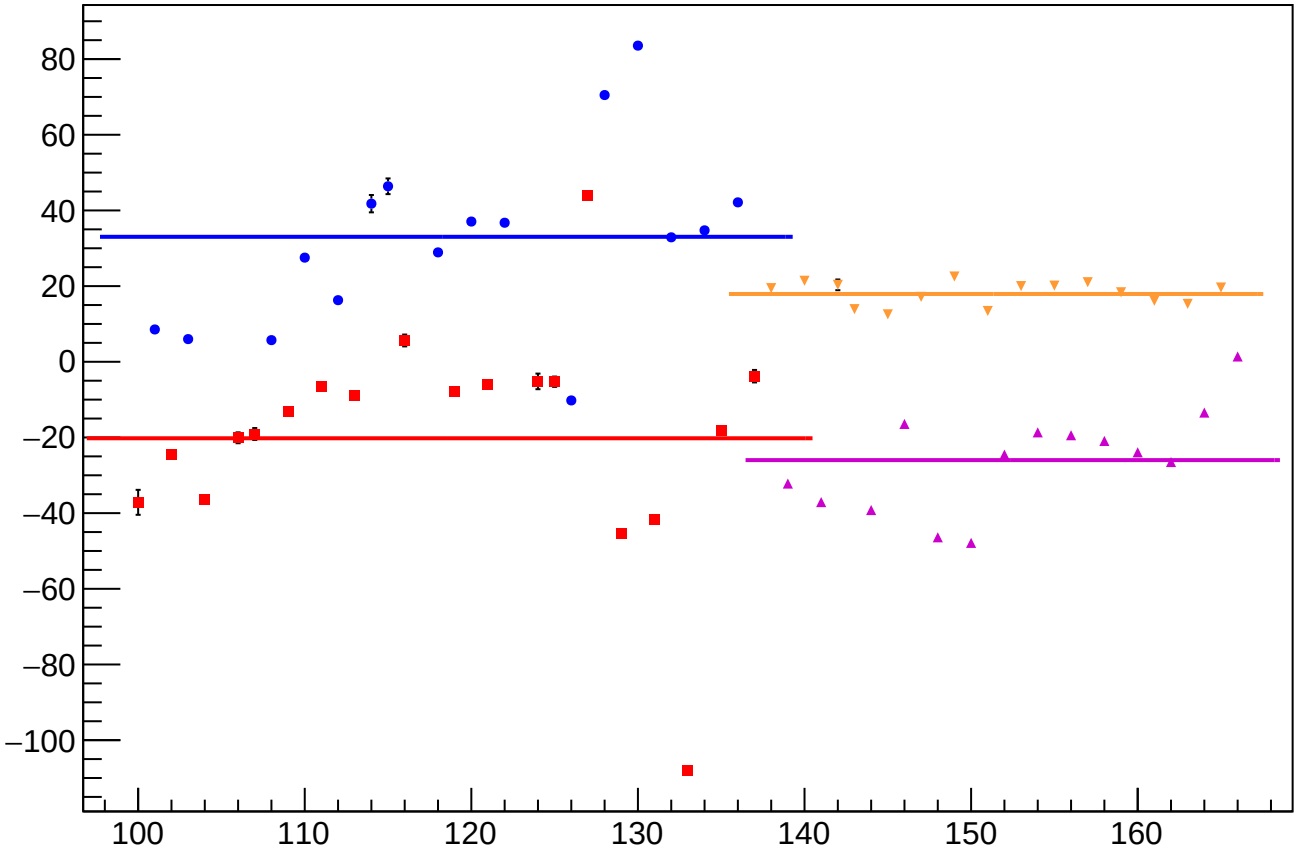
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 653.803+/-0.107 χ^2/NDF:191028.6/29

Out: 649.913+/-0.105 χ^2/NDF:188819.0/33

All: 651.817+/-0.075 χ^2/NDF: 380521.8/63

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.921+/-0.275 χ^2/NDF:125.2/14

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -25.986+/-0.279 χ^2/NDF:1953.6/13

Left: -3.710+/-0.196 χ^2/NDF: 14645.5/28

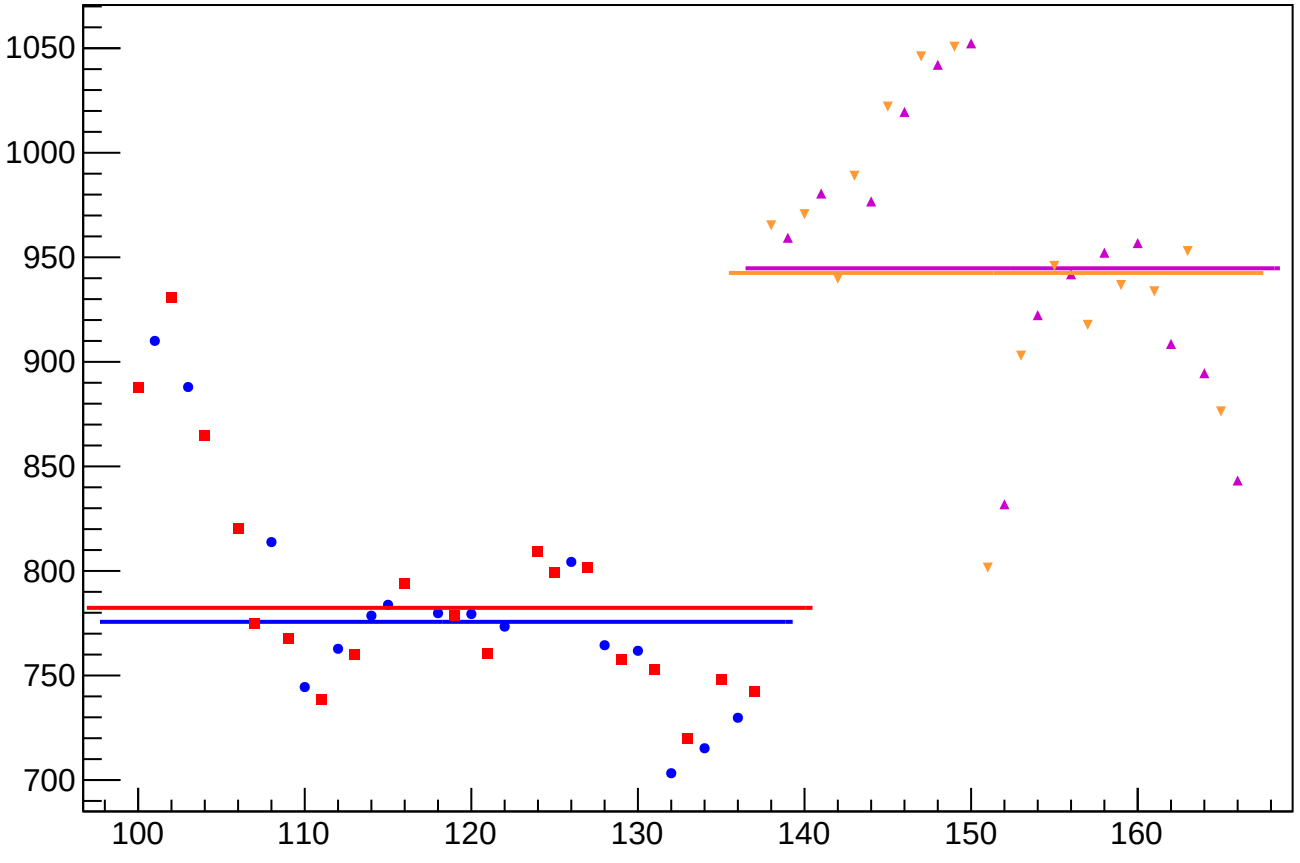
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 2.492+/-0.201 χ^2/NDF:30249.2/29

Out: -0.396+/-0.198 χ^2/NDF:21237.7/33

All: 1.029+/-0.141 χ^2/NDF: 51591.8/63

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 942.522+/-0.194 χ^2/NDF:113620.7/14

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 944.752+/-0.197 χ^2/NDF:103872.6/13

Left: 943.621+/-0.138 χ^2/NDF: 217558.1/28

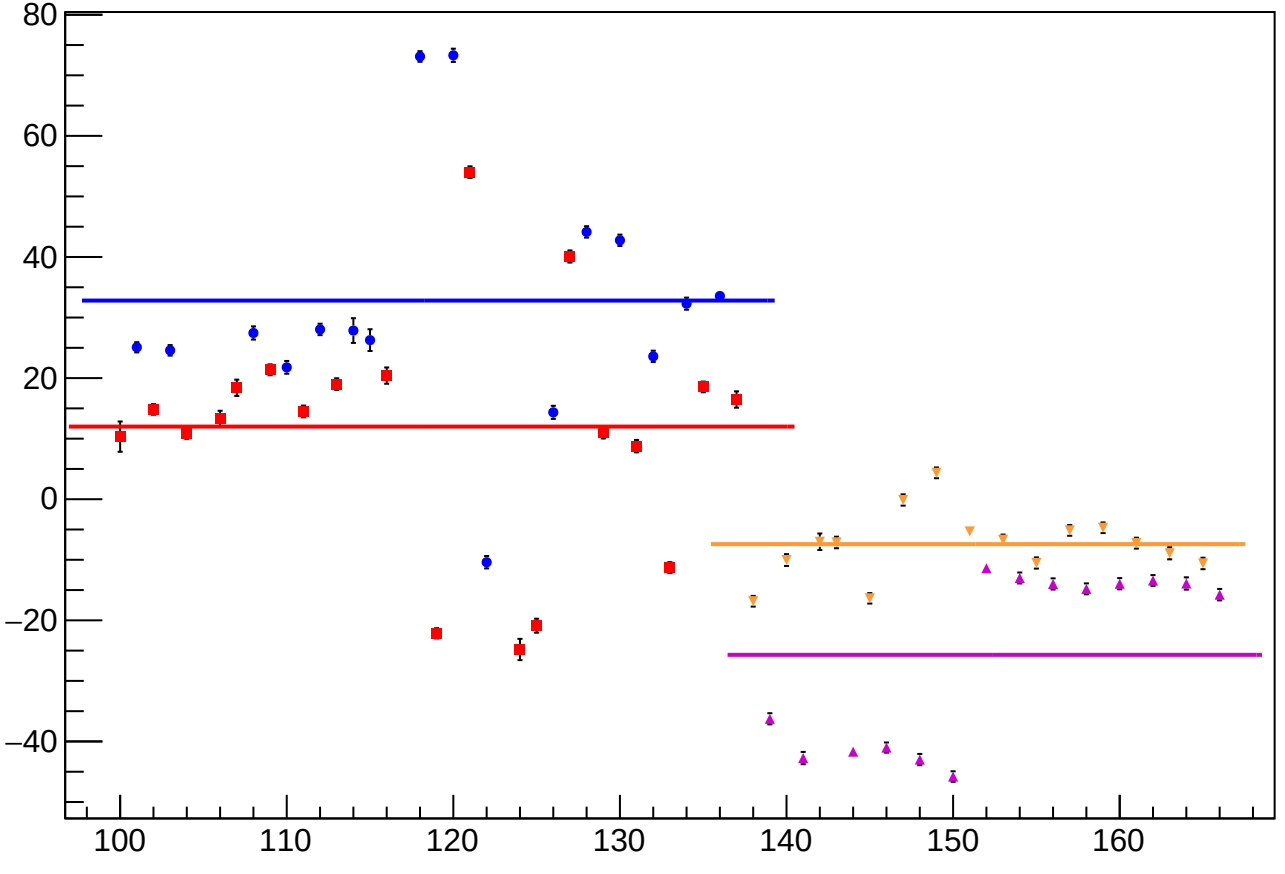
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.165+/-0.142 χ^2/NDF:533049.0/29

Out: 865.594+/-0.140 χ^2/NDF:504247.5/33

All: 864.394+/-0.100 χ^2/NDF: 1037444.8/63

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.414+/-0.234 χ^2/NDF:514.9/14

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -25.697+/-0.238 χ^2/NDF:3510.8/13

Left: -16.405+/-0.167 χ^2/NDF: 7022.7/28

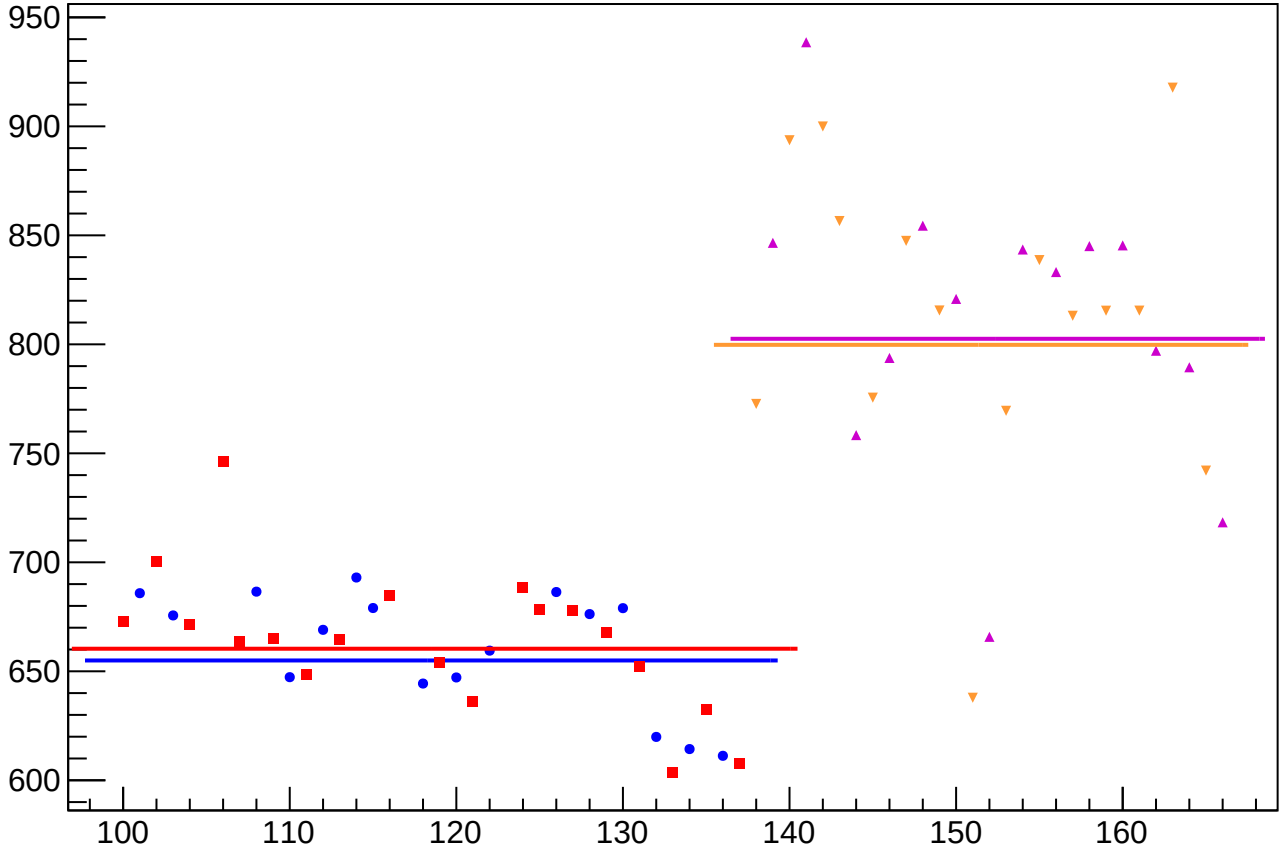
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 2.894+/-0.170 χ^2/NDF:39276.4/29

Out: 2.007+/-0.168 χ^2/NDF:10408.0/33

All: 2.445+/-0.120 χ^2/NDF: 49698.1/63

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 799.766+/-0.166 χ^2/NDF:197510.2/14

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 802.539+/-0.168 χ^2/NDF:156462.1/13

Left: 801.130+/-0.118 χ^2/NDF: 354110.1/28

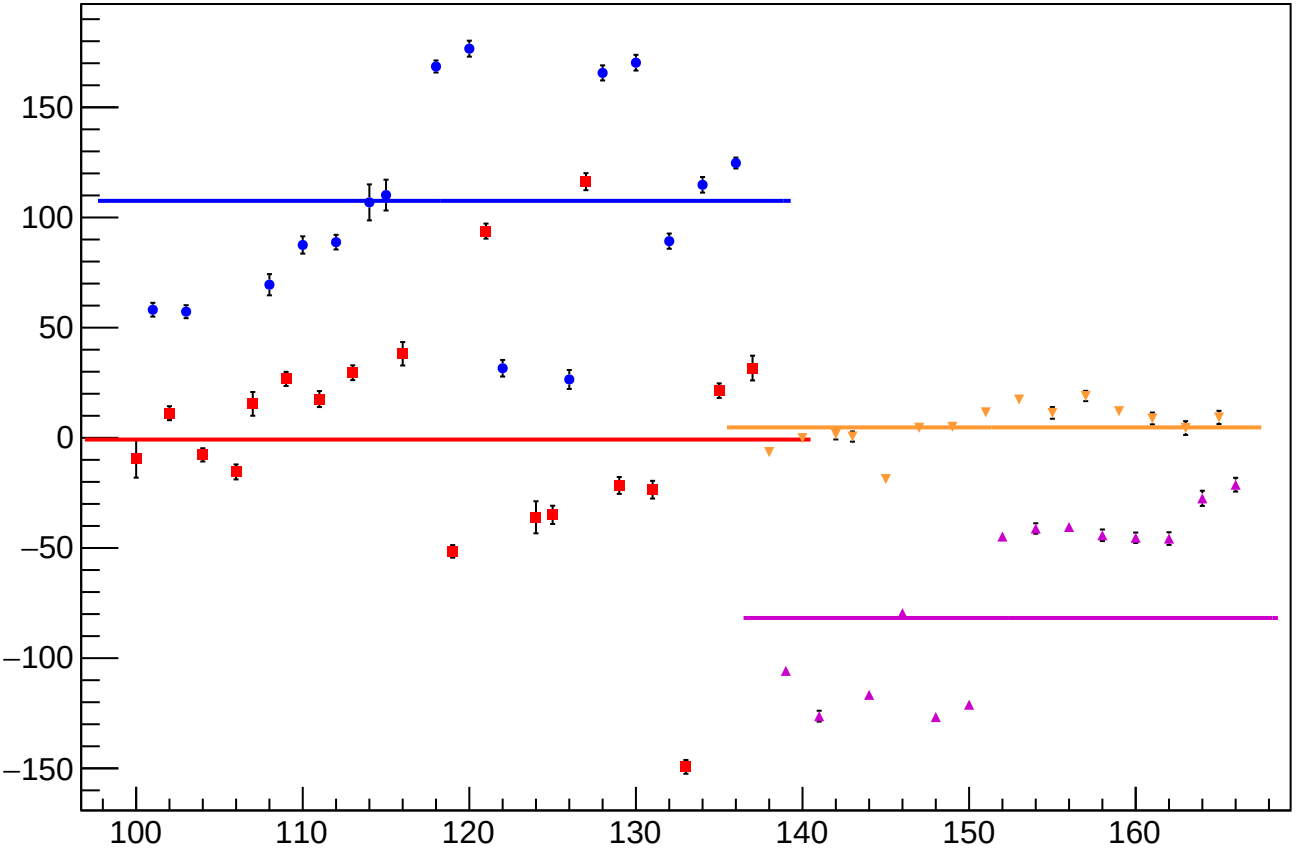
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.419+/-0.120 χ^2/NDF:558716.5/29

Out: 732.092+/-0.119 χ^2/NDF:571948.5/33

All: 731.267+/-0.085 χ^2/NDF: 1130762.8/63

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.727+/-0.568 χ^2/NDF:281.5/14

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -81.763+/-0.578 χ^2/NDF:4164.0/13

Left: -37.758+/-0.405 χ^2/NDF: 15819.8/28

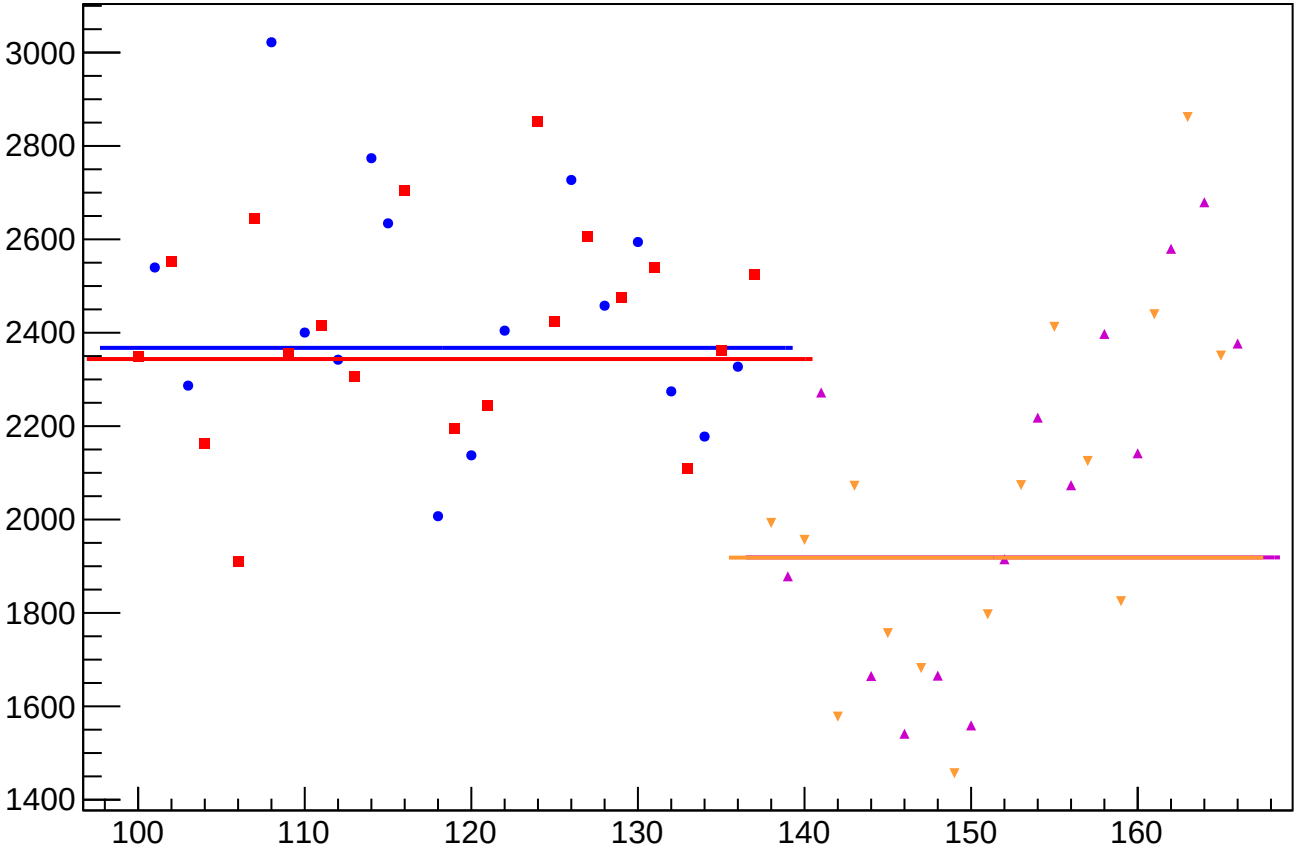
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -25.125+/-0.484 χ^2/NDF:39163.4/29

Out: 3.052+/-0.474 χ^2/NDF:5074.0/33

All: -10.744+/-0.339 χ^2/NDF: 45965.4/63

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1918.470+/-0.402 χ^2/NDF:670248.7/14

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1918.916+/-0.409 χ^2/NDF:693481.2/13

Left: 1918.689+/-0.287 χ^2/NDF: 1363730.5/28

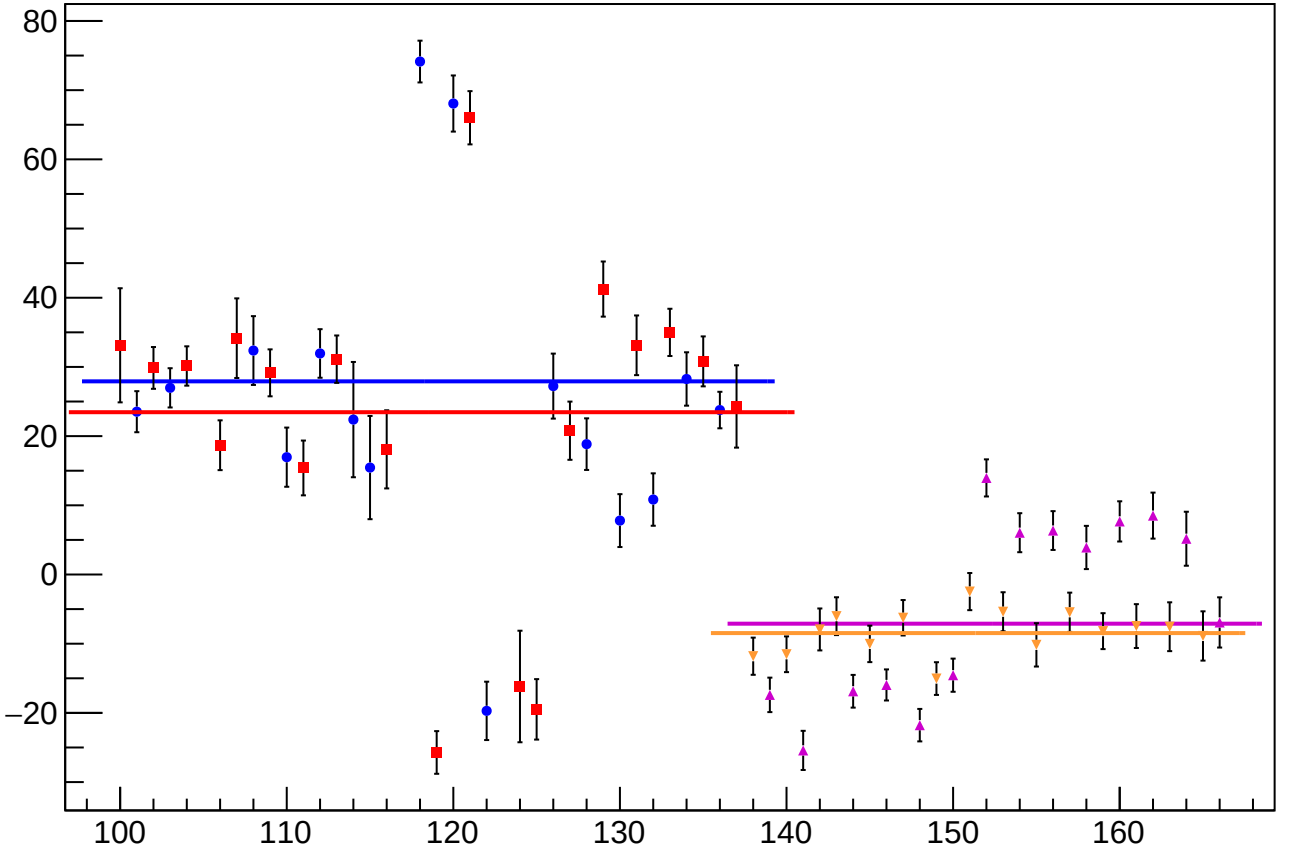
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2053.163+/-0.342 χ^2/NDF:1180296.9/29

Out: 2047.573+/-0.335 χ^2/NDF:1122396.3/33

All: 2050.310+/-0.240 χ^2/NDF: 2302829.3/63

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.465+/-0.725 χ^2/NDF:20.4/14

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.107+/-0.732 χ^2/NDF:317.1/13

Left: -7.794+/-0.515 χ^2/NDF: 339.2/28

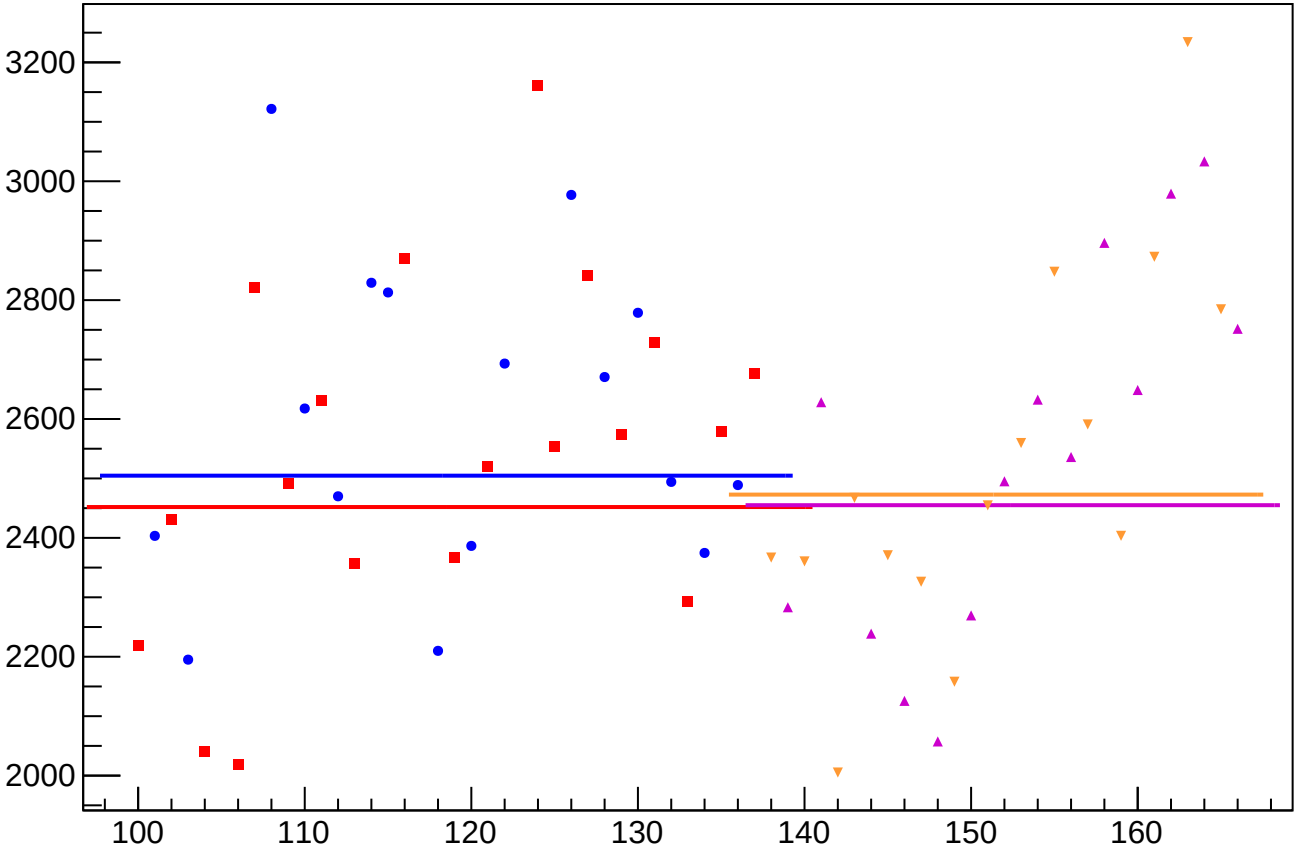
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.181+/-0.577 χ^2/NDF:1715.3/29

Out: 4.046+/-0.565 χ^2/NDF:1348.9/33

All: 5.091+/-0.404 χ^2/NDF: 3071.1/63

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2472.809+/-0.512 χ^2/NDF:275408.0/14

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2454.997+/-0.518 χ^2/NDF:311997.6/13

Left: 2463.998+/-0.364 χ^2/NDF: 588003.3/28

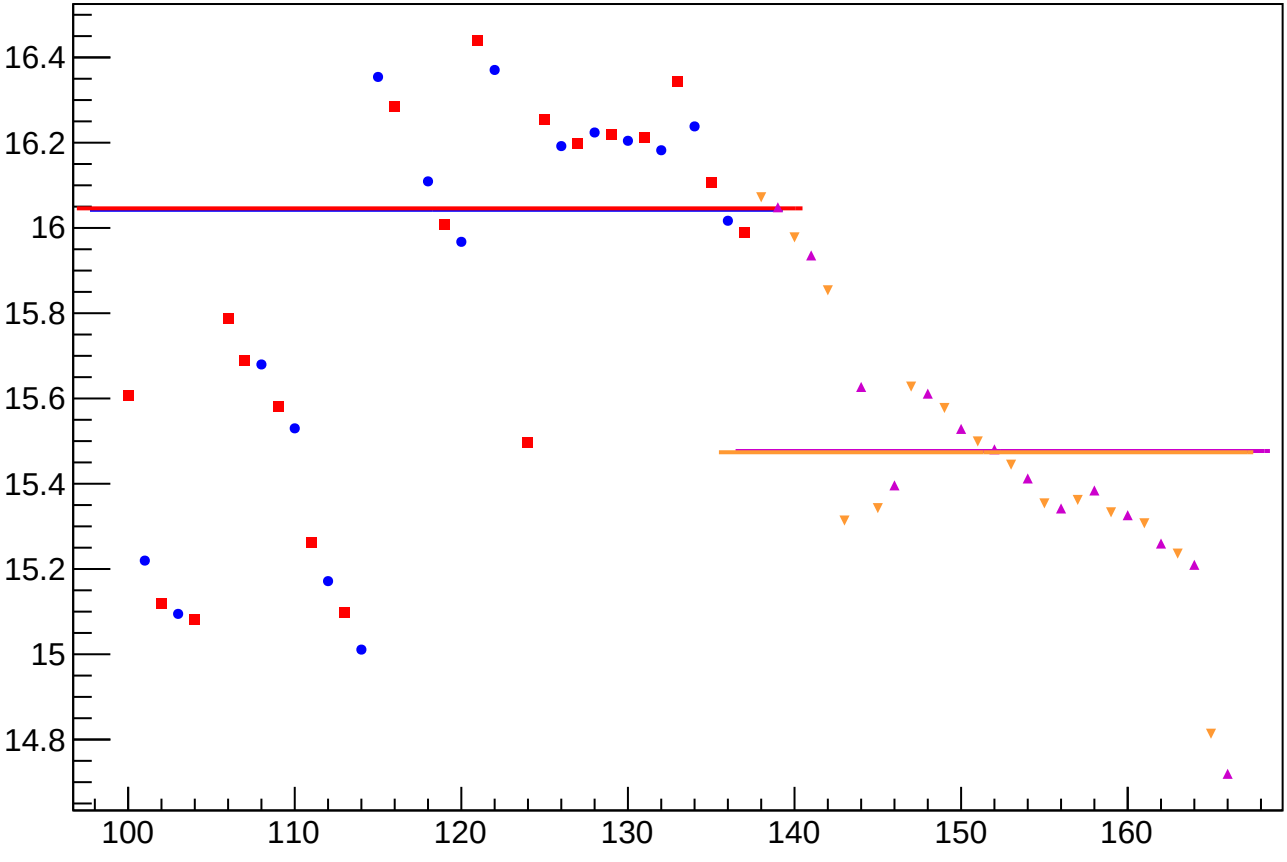
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2473.837+/-0.408 χ^2/NDF:442084.3/29

Out: 2464.606+/-0.400 χ^2/NDF:429299.0/33

All: 2469.125+/-0.285 χ^2/NDF: 871644.6/63

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.474+/-0.000 χ^2/NDF:8949815217.8/14

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.477+/-0.000 χ^2/NDF:8371951314.8/13

Left: 15.475+/-0.000 χ^2/NDF: 17322167148.1/28

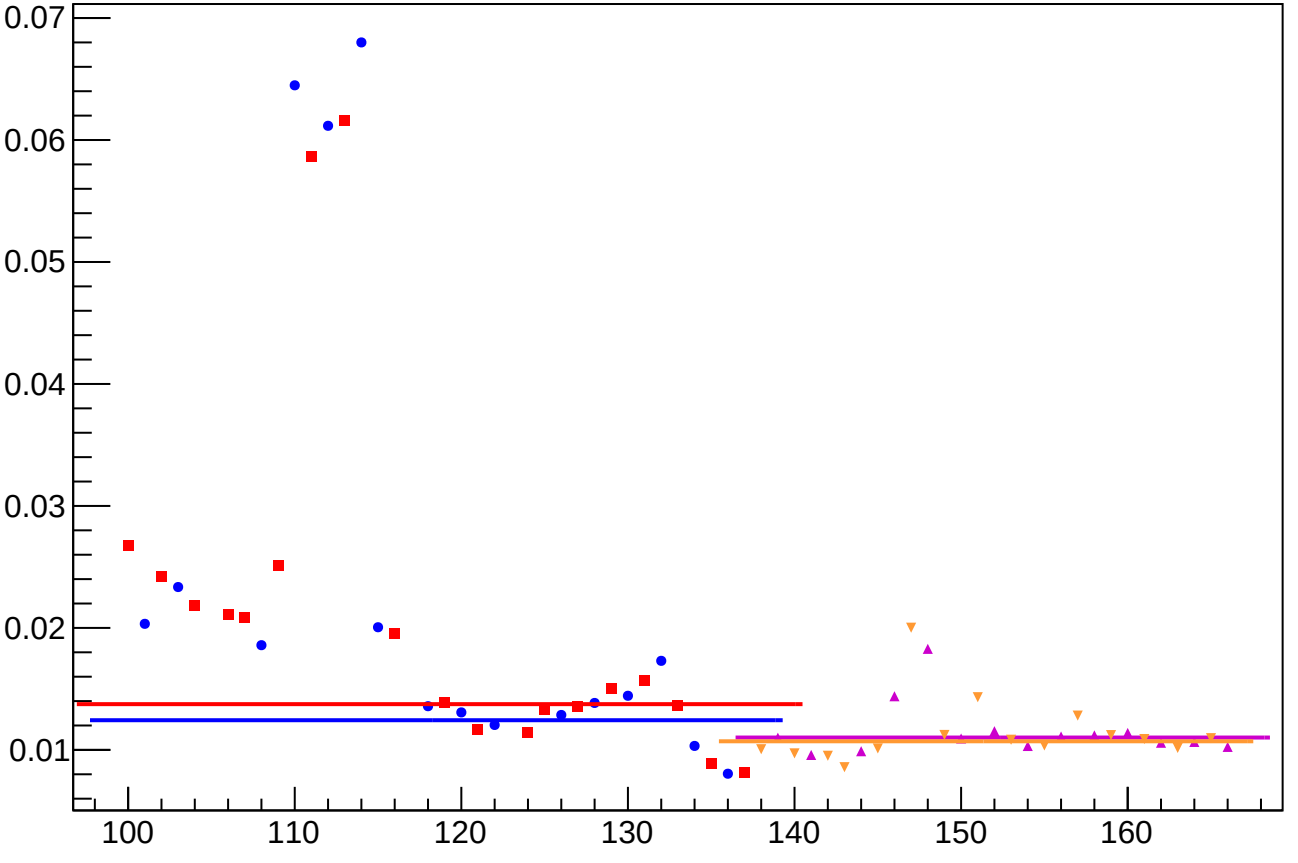
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.639+/-0.000 χ^2/NDF:19338684417.3/29

Out: 15.611+/-0.000 χ^2/NDF:19984055970.3/33

All: 15.625+/-0.000 χ^2/NDF: 39371625268.8

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:635976.2/14

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:421034.5/13

Left: 0.011+/-0.000 χ^2/NDF: 1065668.0/28

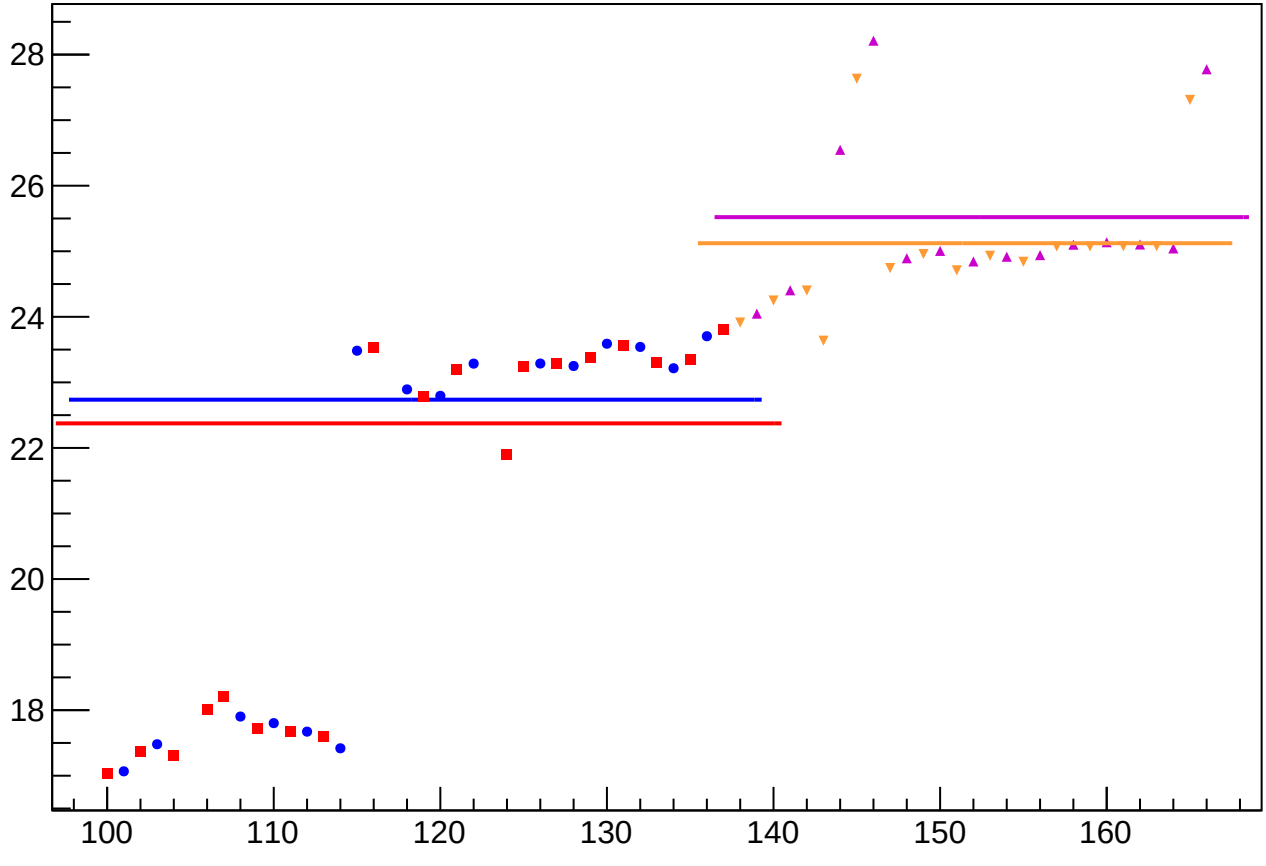
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2840247.5/29

Out: 0.011+/-0.000 χ^2/NDF:3290522.7/33

All: 0.011+/-0.000 χ^2/NDF: 6130803.6/63

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.122+/-0.000 χ^2/NDF:1004998467.1/14

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.521+/-0.000 χ^2/NDF:959769913.3/13

Left: 25.316+/-0.000 χ^2/NDF: 2022714398.5/28

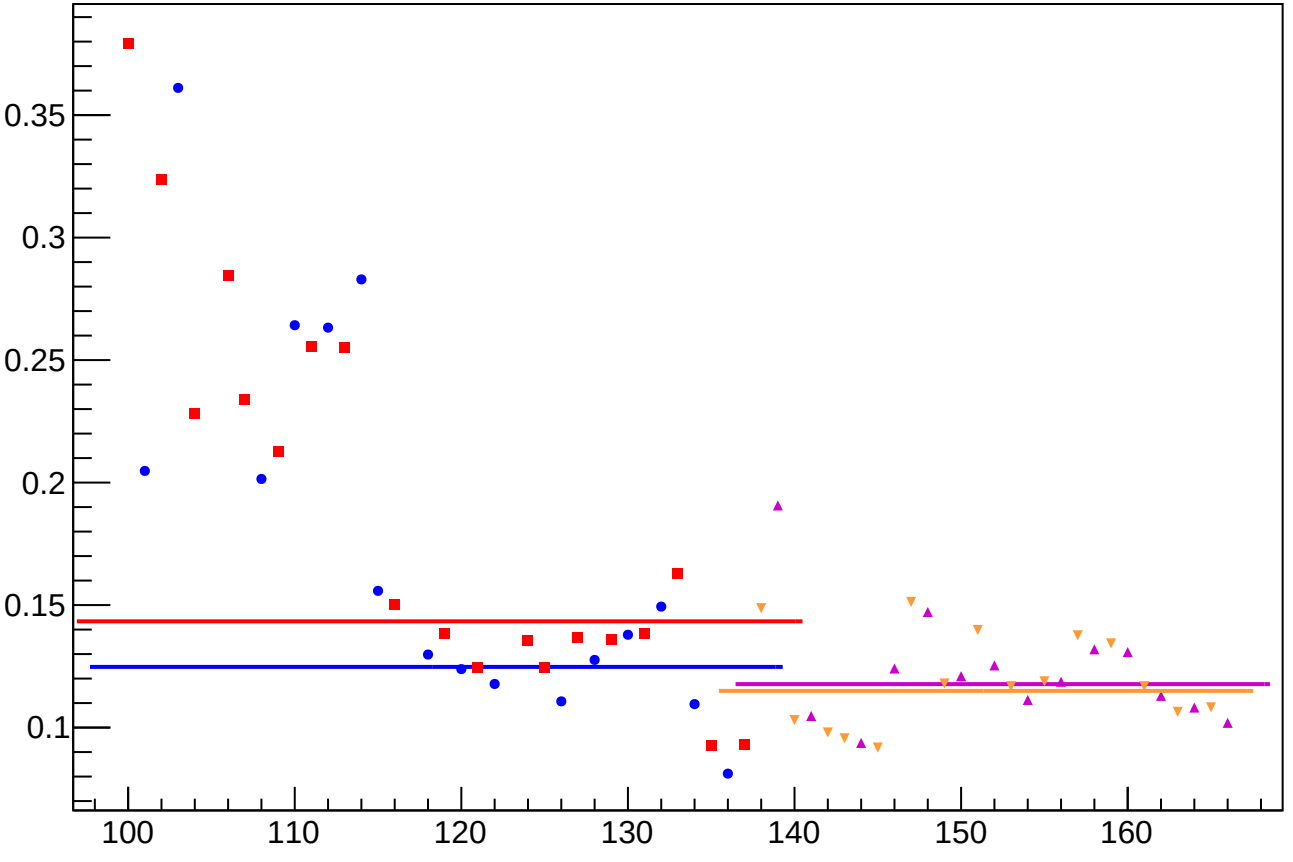
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.612+/-0.000 χ^2/NDF:3975376691.0/29

Out: 24.379+/-0.000 χ^2/NDF:3759889663.0/33

All: 24.497+/-0.000 χ^2/NDF: 7763693013.7/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:469645.4/14

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.118+/-0.000 χ^2/NDF:509865.2/13

Left: 0.116+/-0.000 χ^2/NDF: 985106.1/28

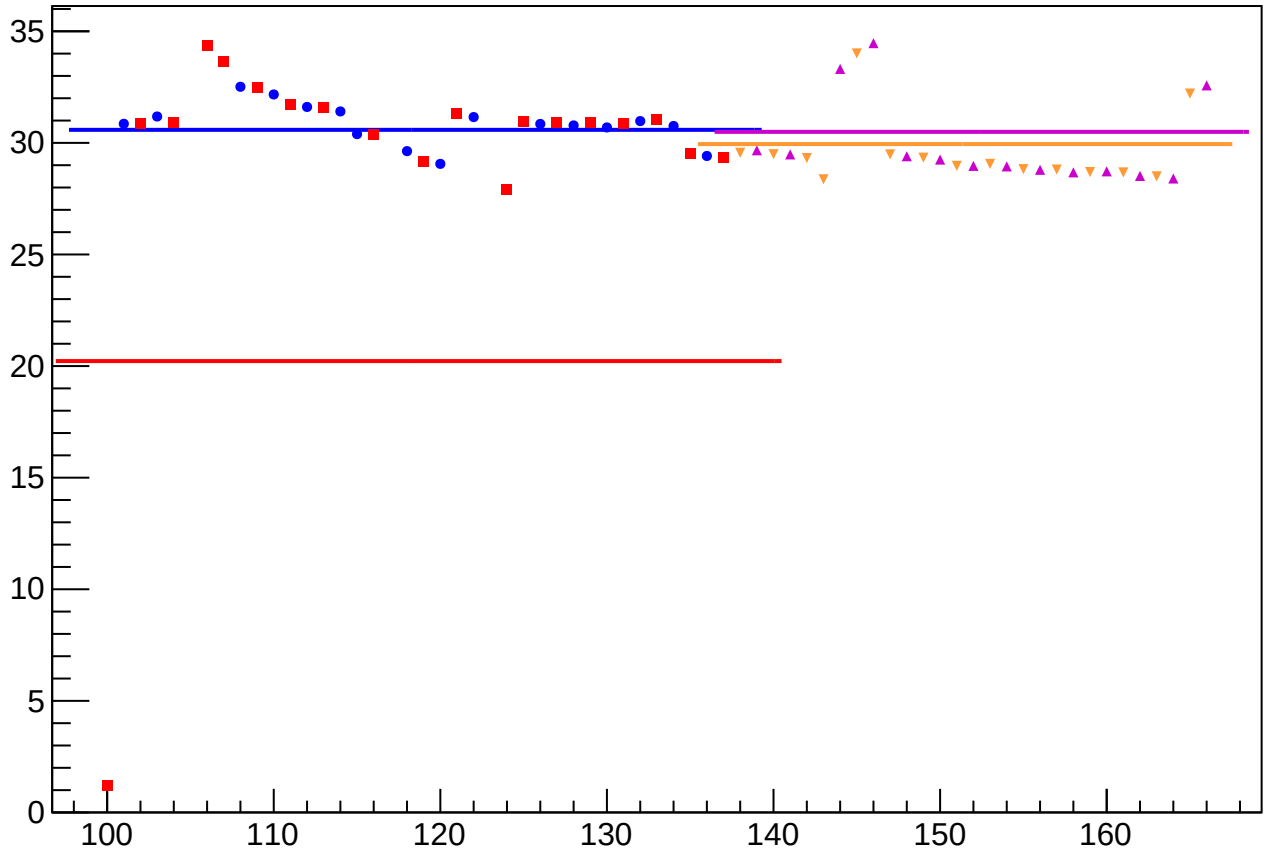
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.120+/-0.000 χ^2/NDF:2282511.2/29

Out: 0.123+/-0.000 χ^2/NDF:2368501.6/33

All: 0.121+/-0.000 χ^2/NDF: 4658208.2/63

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.946+/-0.000 χ^2/NDF:7179613963.1/14

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.494+/-0.000 χ^2/NDF:9997802514.9/13

Left: 30.223+/-0.000 χ^2/NDF: 17473092900.7/28

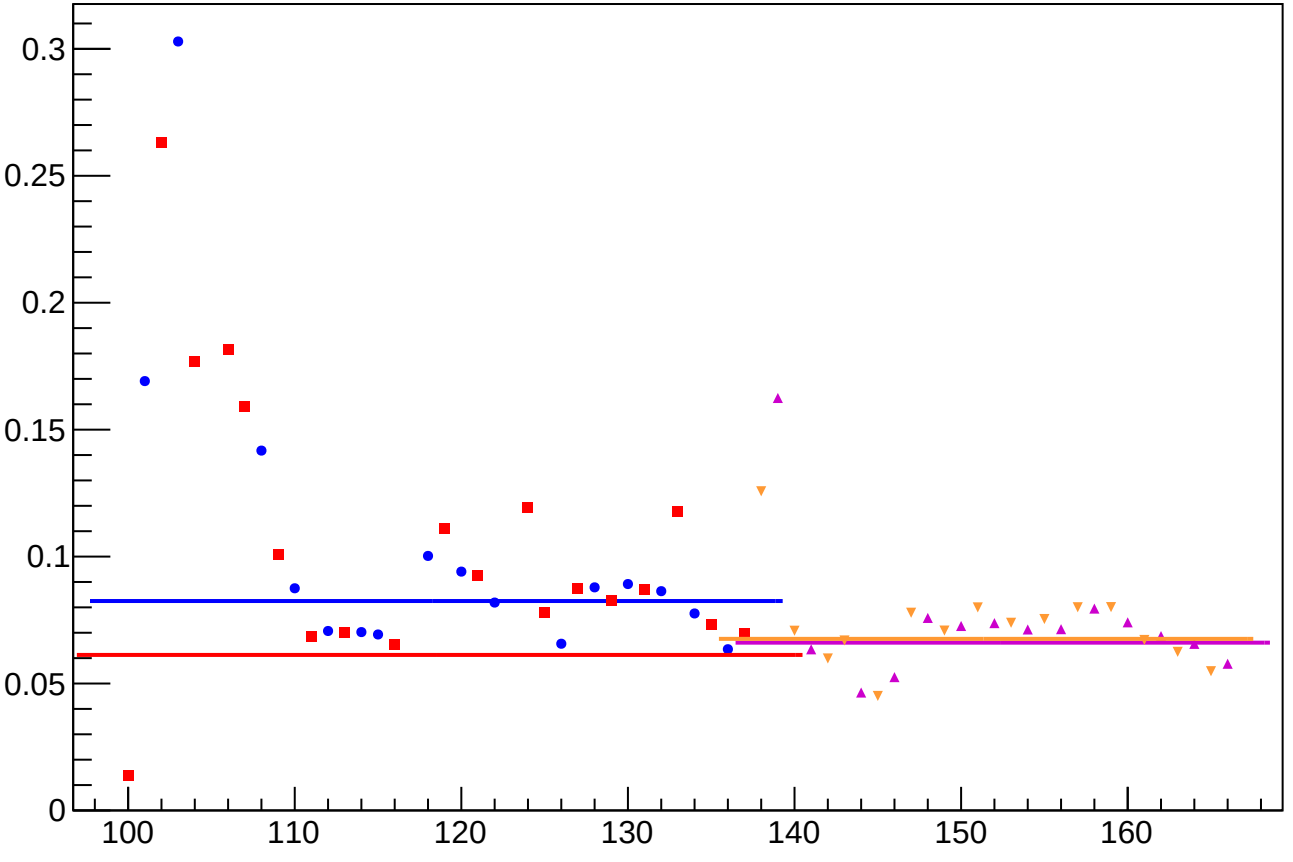
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.520+/-0.000 χ^2/NDF:10654588885.0/29

Out: 26.458+/-0.000 χ^2/NDF:294391405197.4/33

All: 28.392+/-0.000 χ^2/NDF: 328874410552.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:786776.6/14

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.066+/-0.000 χ^2/NDF:1034190.3/13

Left: 0.067+/-0.000 χ^2/NDF: 1825371.4/28

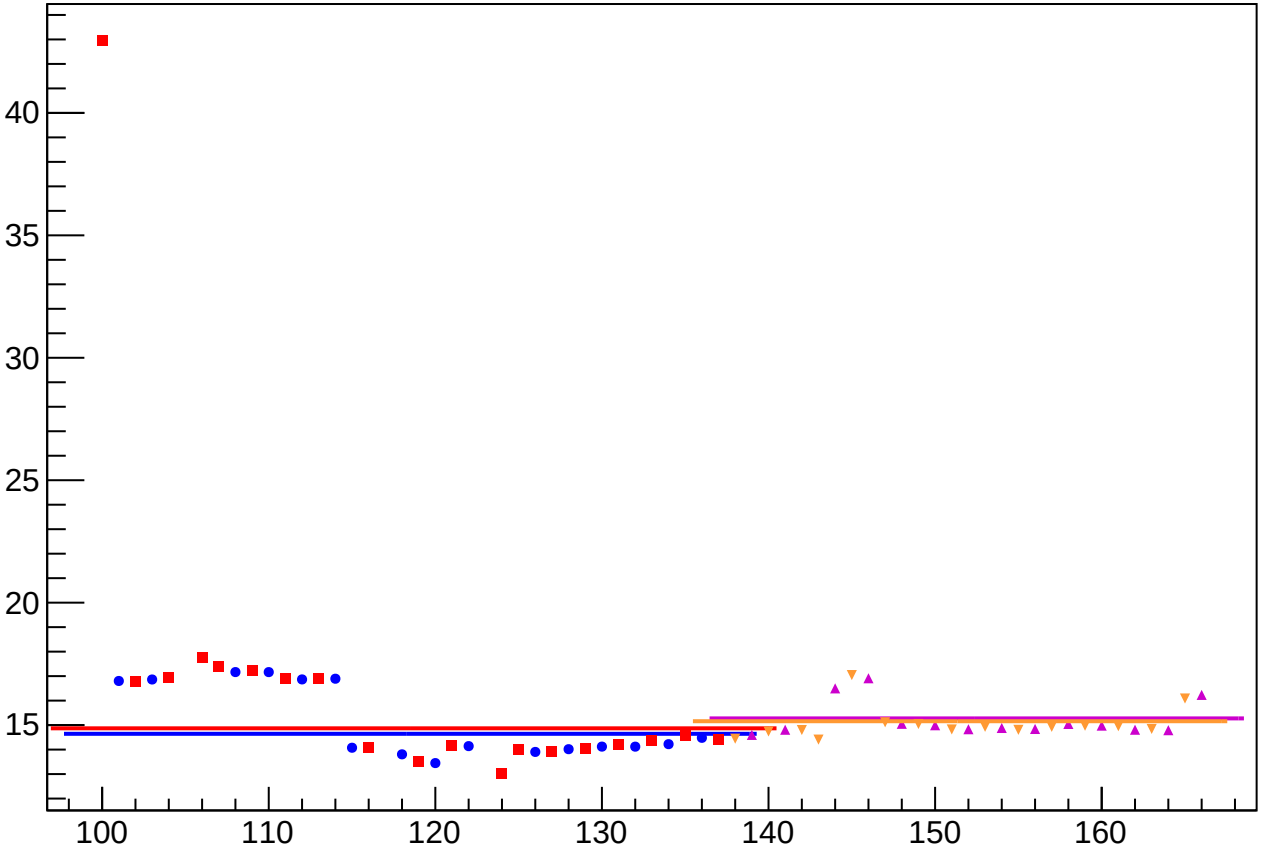
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2595189.7/29

Out: 0.065+/-0.000 χ^2/NDF:4857011.6/33

All: 0.068+/-0.000 χ^2/NDF: 7535695.5/63

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.158+/-0.000 χ^2/NDF:1135554250.5/14

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.273+/-0.000 χ^2/NDF:1053029824.5/13

Left: 15.215+/-0.000 χ^2/NDF: 2202459249.9/28

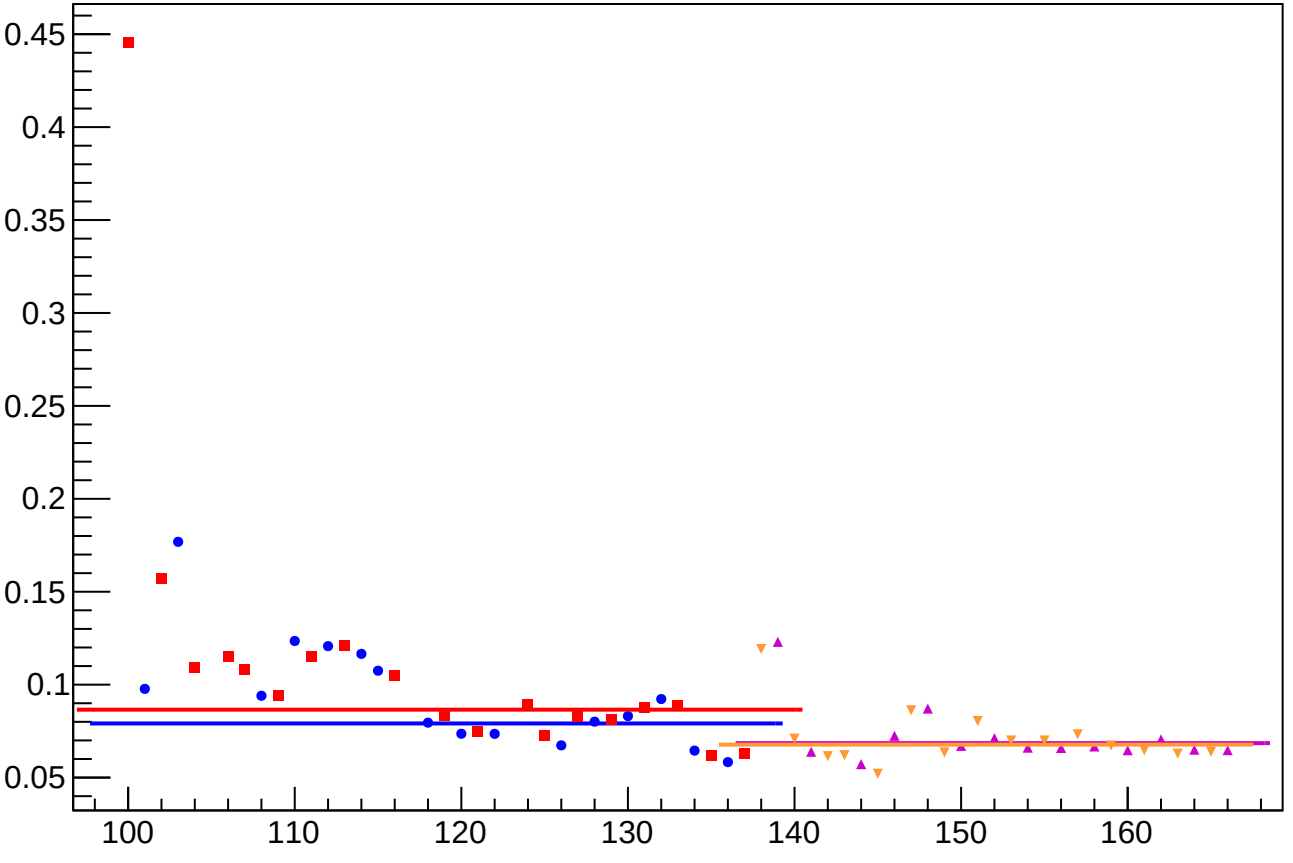
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.076+/-0.000 χ^2/NDF:2501987932.7/29

Out: 15.078+/-0.000 χ^2/NDF:2915476475.5/33

All: 15.077+/-0.000 χ^2/NDF: 5417466871.5/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:536541.7/14

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:476310.3/13

Left: 0.068+/-0.000 χ^2/NDF: 1014228.3/28

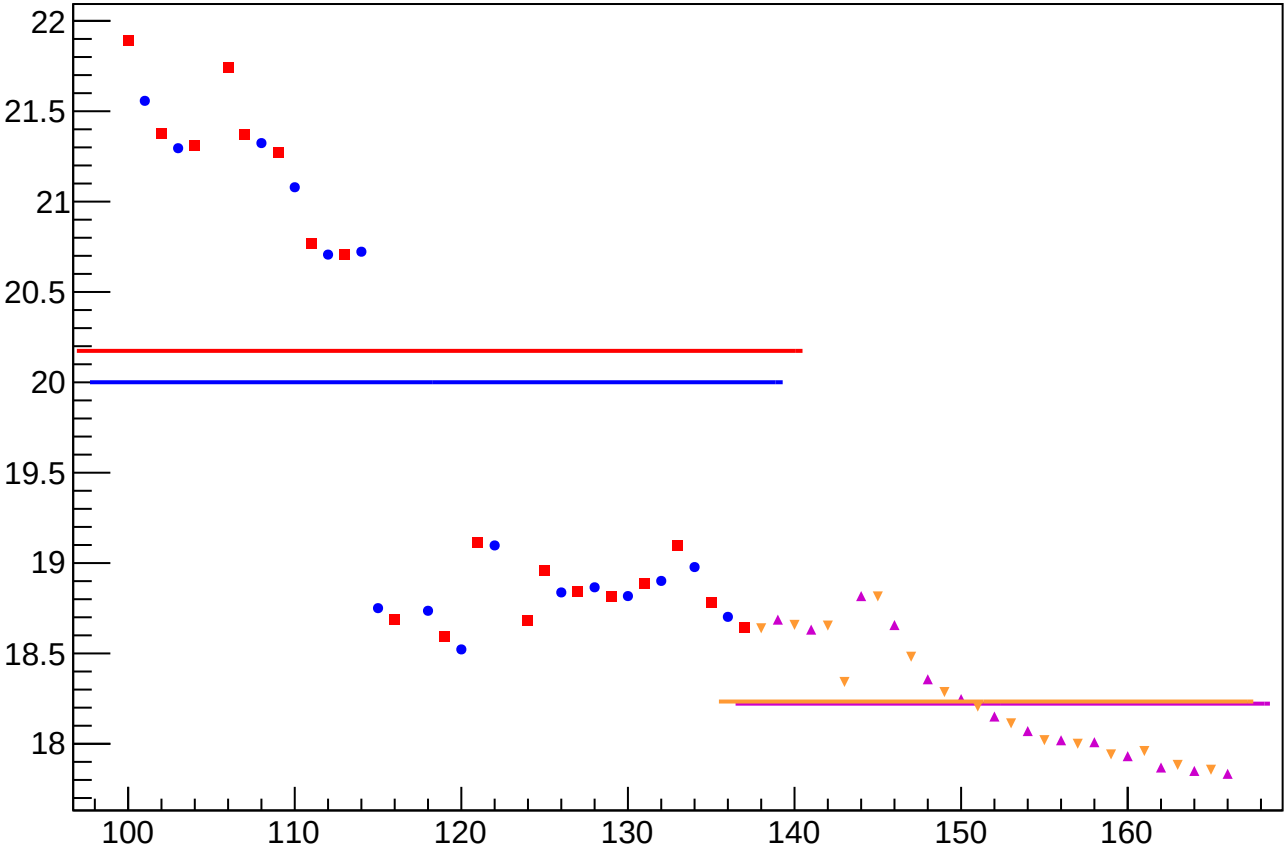
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.072+/-0.000 χ^2/NDF:1538926.6/29

Out: 0.073+/-0.000 χ^2/NDF:1749432.6/33

All: 0.072+/-0.000 χ^2/NDF: 3291963.5/63

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.234+/-0.000 χ^2/NDF:1043401434.1/14

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.222+/-0.000 χ^2/NDF:1117212094.6/13

Left: 18.228+/-0.000 χ^2/NDF: 2161341789.2/28

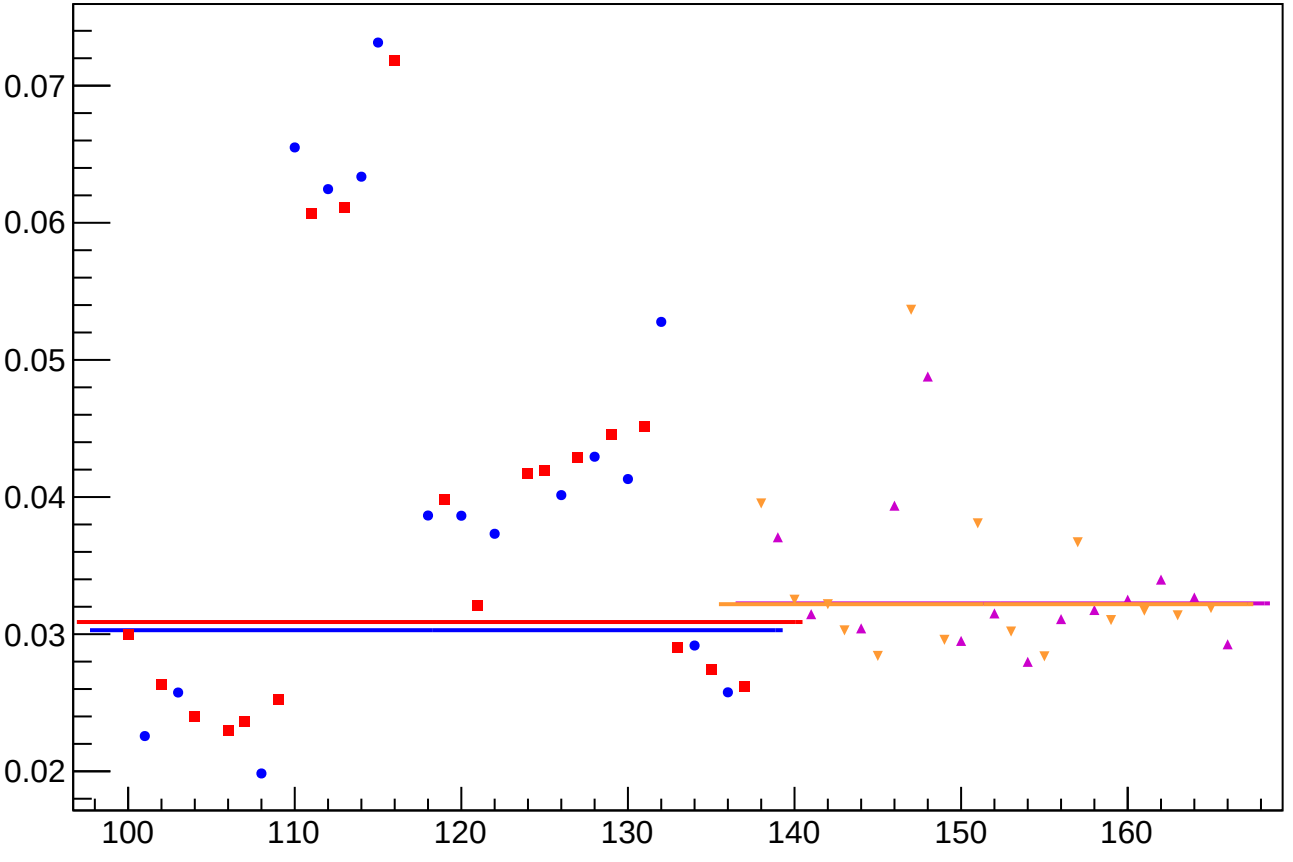
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.905+/-0.000 χ^2/NDF:24660940048.3/29

Out: 18.969+/-0.000 χ^2/NDF:26716843194.0/33

All: 18.937+/-0.000 χ^2/NDF: 51412805896.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:454136.1/14

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:343603.7/13

Left: 0.032+/-0.000 χ^2/NDF: 797775.1/28

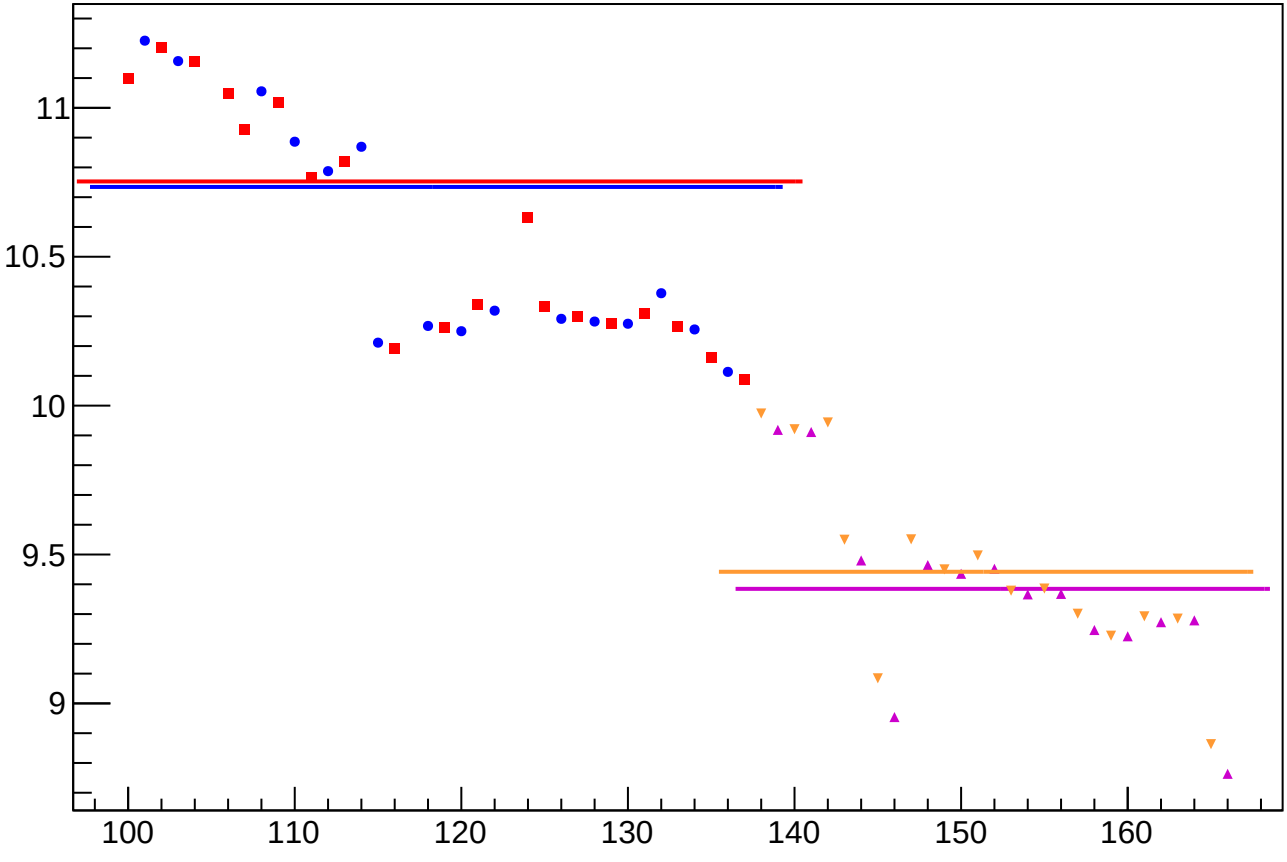
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1821591.8/29

Out: 0.032+/-0.000 χ^2/NDF:1672571.6/33

All: 0.032+/-0.000 χ^2/NDF: 3494845.2/63

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.442+/-0.000 χ^2/NDF:2279115556.1/14

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.385+/-0.000 χ^2/NDF:1976695443.7/13

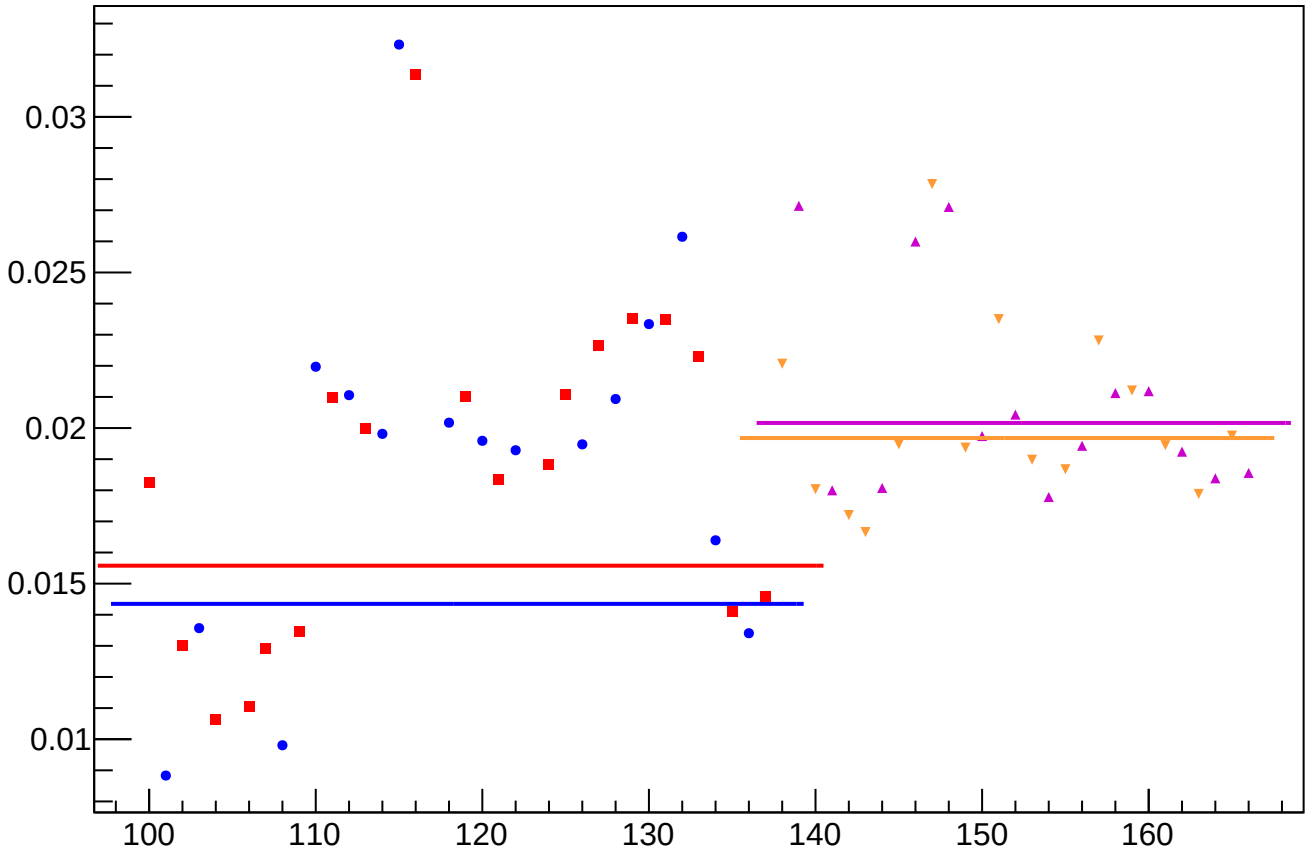
Left: 9.414+/-0.000 χ^2/NDF: 4299371013.6/28

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.085+/-0.000 χ^2/NDF:32052735943.4/29

Out: 10.074+/-0.000 χ^2/NDF:29337358304.4/33

All: 10.079+/-0.000 χ^2/NDF: 61393714631.3



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:330296.4/14

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:399937.9/13

Left: 0.020+/-0.000 χ^2/NDF: 736454.0/28

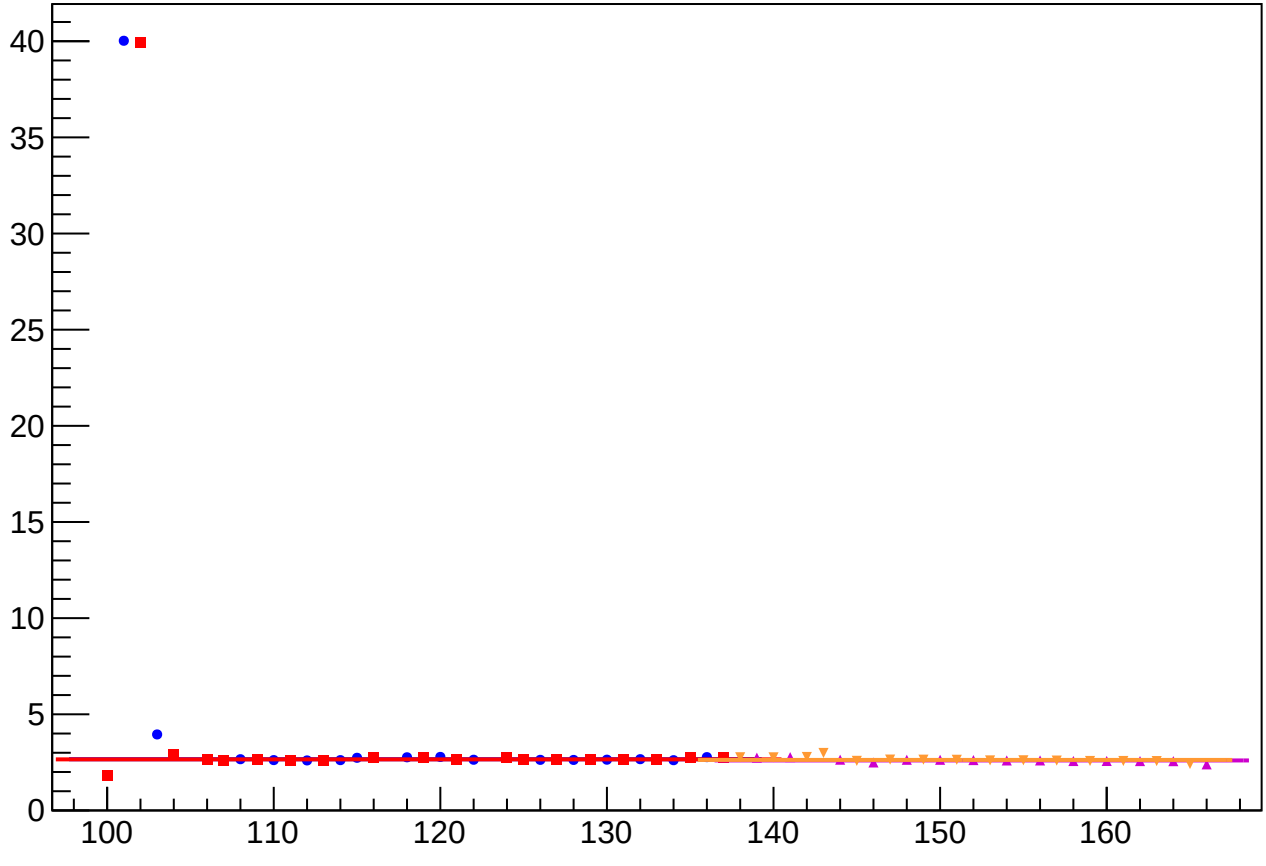
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2779823.7/29

Out: 0.018+/-0.000 χ^2/NDF:1847290.8/33

All: 0.017+/-0.000 χ^2/NDF: 4643564.0/63

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.628+/-0.000 χ^2/NDF:26290356847.3/14

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.601+/-0.000 χ^2/NDF:13451951369.5/13

Left: 2.614+/-0.000 χ^2/NDF: 40409643683.2/28

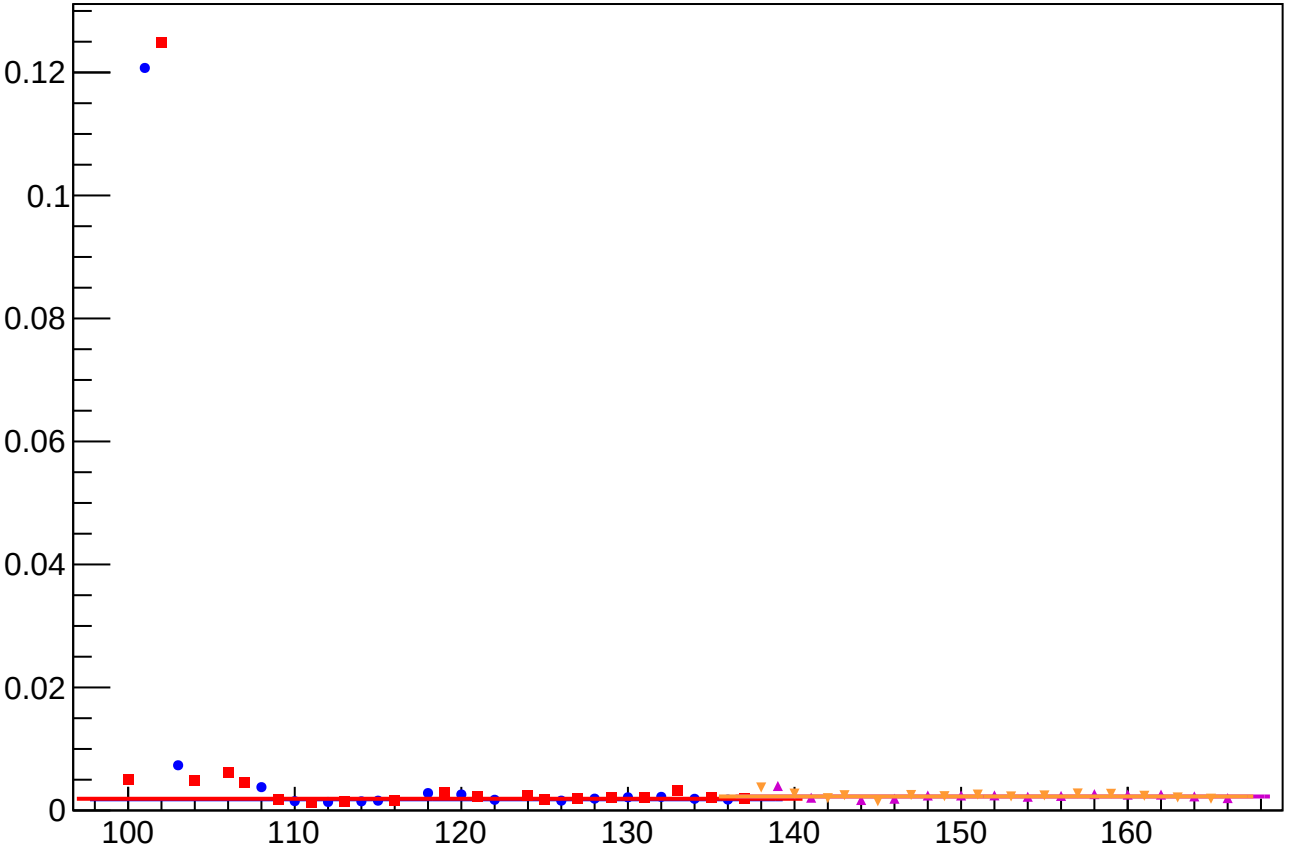
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.629+/-0.000 χ^2/NDF:84488428678.3/29

Out: 2.640+/-0.000 χ^2/NDF:92000826396.6/33

All: 2.634+/-0.000 χ^2/NDF: 176704935175.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:786839.3/14

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:621954.0/13

Left: 0.002+/-0.000 χ^2/NDF: 1408899.0/28

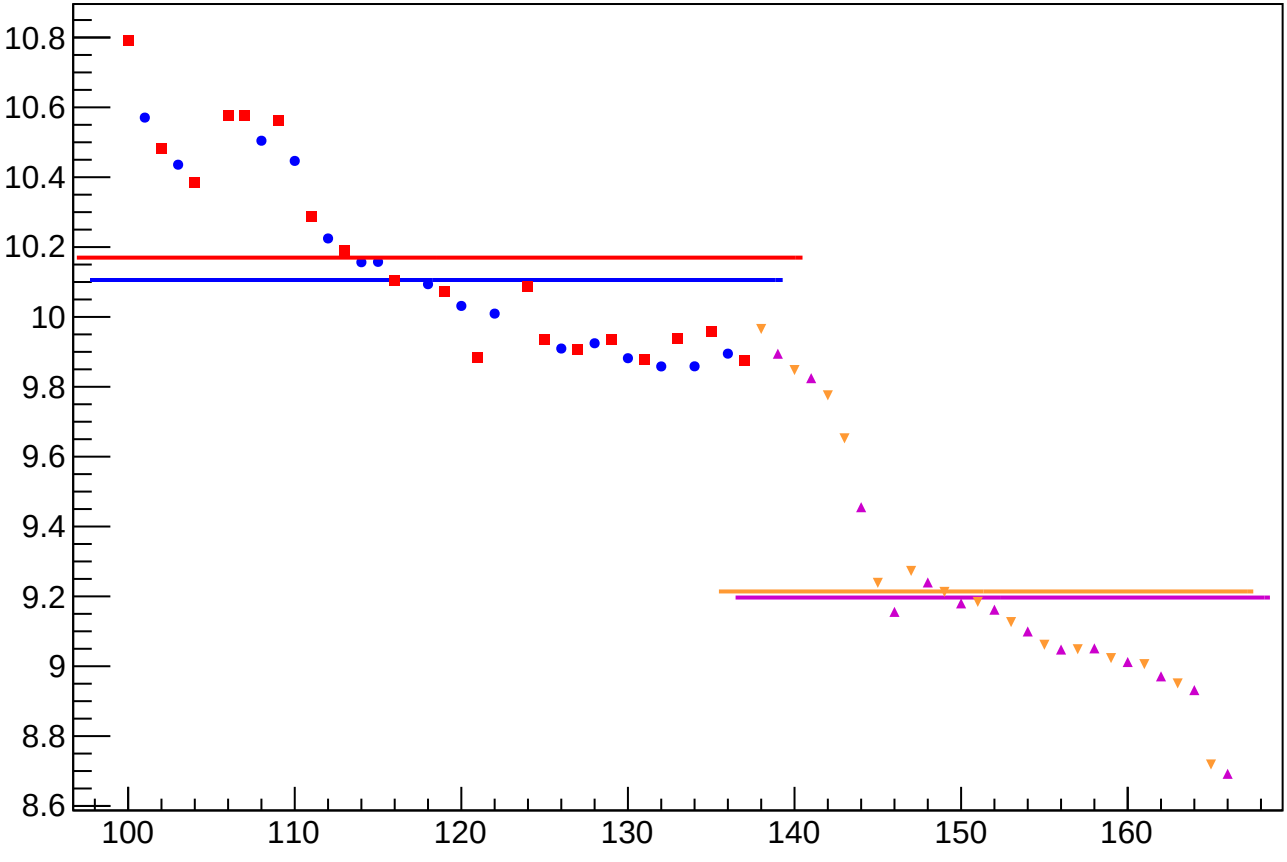
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2776060.0/29

Out: 0.002+/-0.000 χ^2/NDF:3538317.6/33

All: 0.002+/-0.000 χ^2/NDF: 6321107.1/63

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.214+/-0.000 χ^2/NDF:21642780263.1/14

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.197+/-0.000 χ^2/NDF:17553916191.5/13

Left: 9.206+/-0.000 χ^2/NDF: 39231568893.5/28

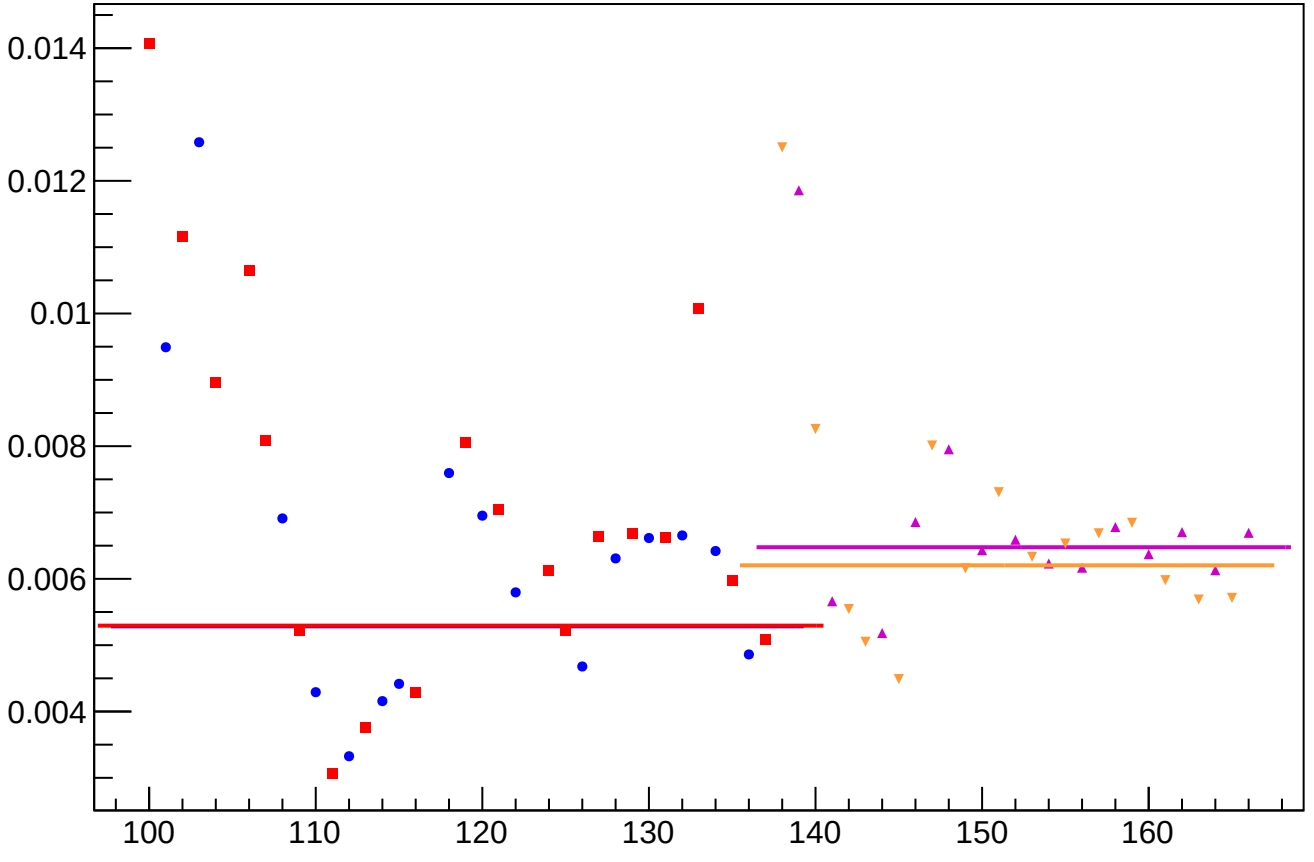
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.623+/-0.000 χ^2/NDF:111654501921.3/29

Out: 9.643+/-0.000 χ^2/NDF:129828206350.0/33

All: 9.633+/-0.000 χ^2/NDF: 241574950300.8

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:825191.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:501281.9/13

Left: 0.006+/-0.000 χ^2/NDF: 1343592.2/28

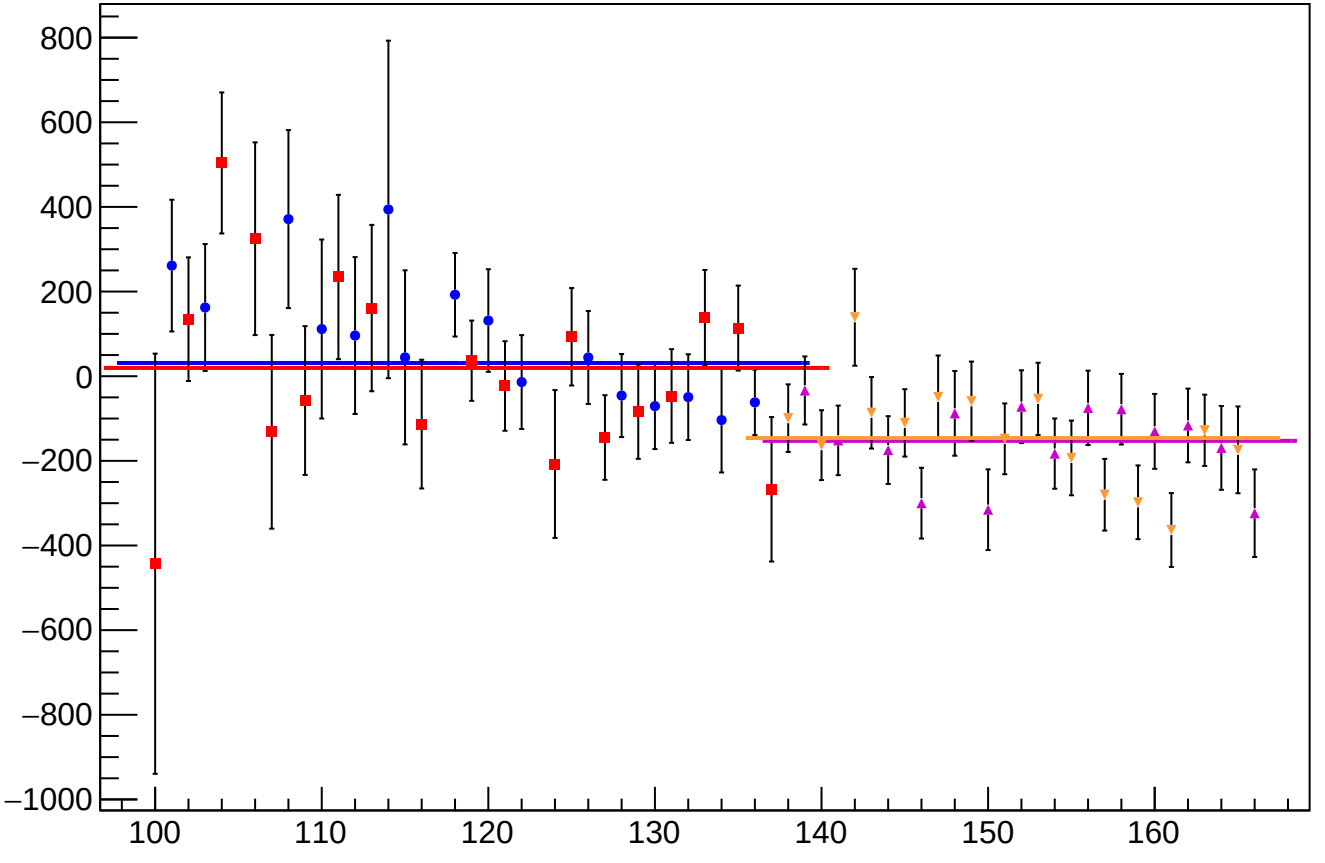
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2067521.0/29

Out: 0.006+/-0.000 χ^2/NDF:2796835.1/33

All: 0.006+/-0.000 χ^2/NDF: 4870793.8/63

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.172+/-22.686 χ^2/NDF:22.5/14

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -152.687+/-23.444 χ^2/NDF:14.3/13

Left: -149.323+/-16.303 χ^2/NDF: 36.8/28

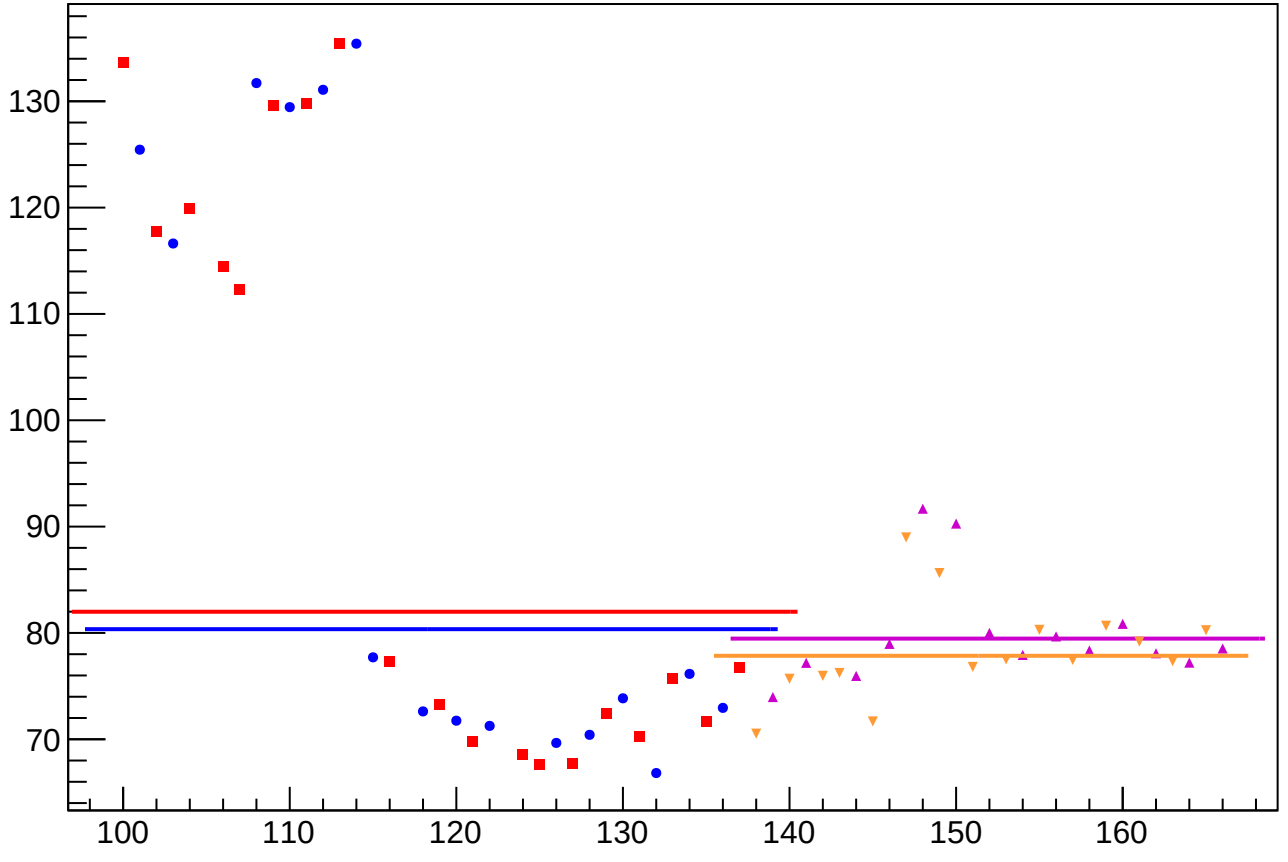
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -85.174+/-18.652 χ^2/NDF:52.0/29

Out: -88.507+/-18.320 χ^2/NDF:66.9/33

All: -86.870+/-13.070 χ^2/NDF: 118.9/63

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

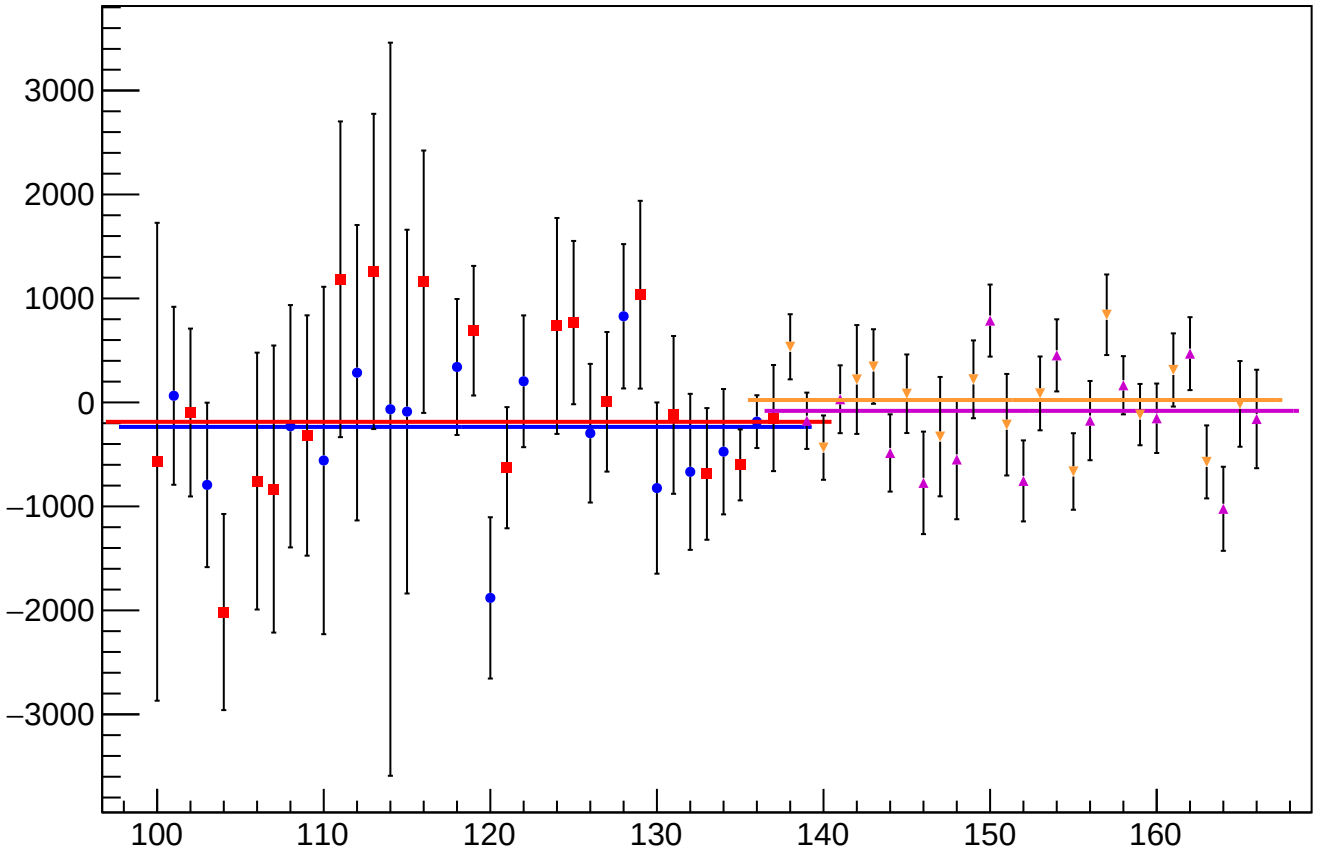
Left: 78.632+/-0.012 χ^2/NDF: 155283.9/28

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.792+/-0.013 χ^2/NDF:914744.0/29

Out: 79.292+/-0.013 χ^2/NDF:1032258.0/33

All: 79.538+/-0.009 χ^2/NDF: 1947735.0/63



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.135+/-95.785 χ^2/NDF:18.5/14

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -81.152+/-96.248 χ^2/NDF:24.5/13

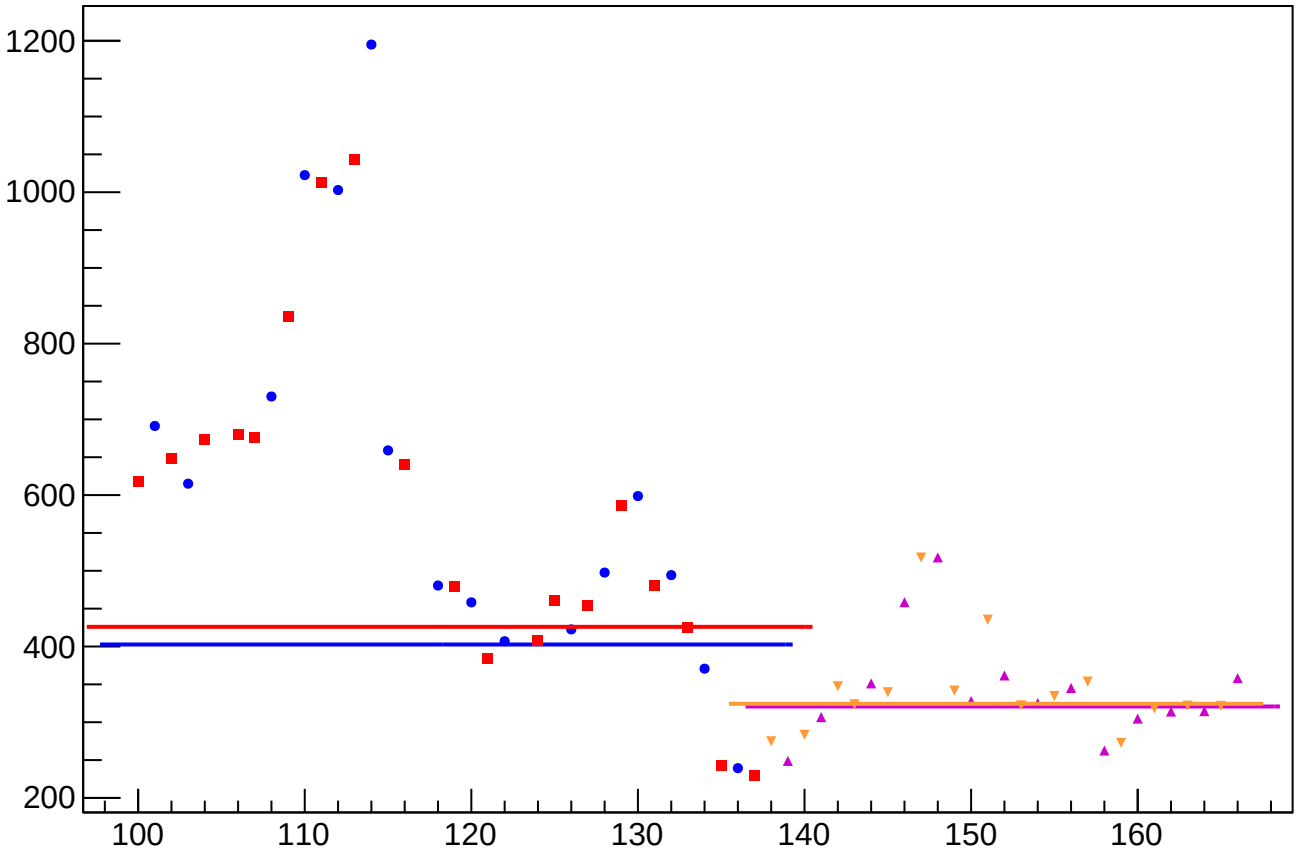
Left: -28.757+/-67.893 χ^2/NDF: 43.6/28

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -120.784+/-82.978 χ^2/NDF:35.1/29

Out: -27.231+/-83.497 χ^2/NDF:35.6/33

All: -74.299+/-58.857 χ^2/NDF: 71.4/63



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.387+/-0.068 χ^2/NDF:501735.9/14

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.2/13

Left: 322.592+/-0.048 χ^2/NDF: 1188328.4/28

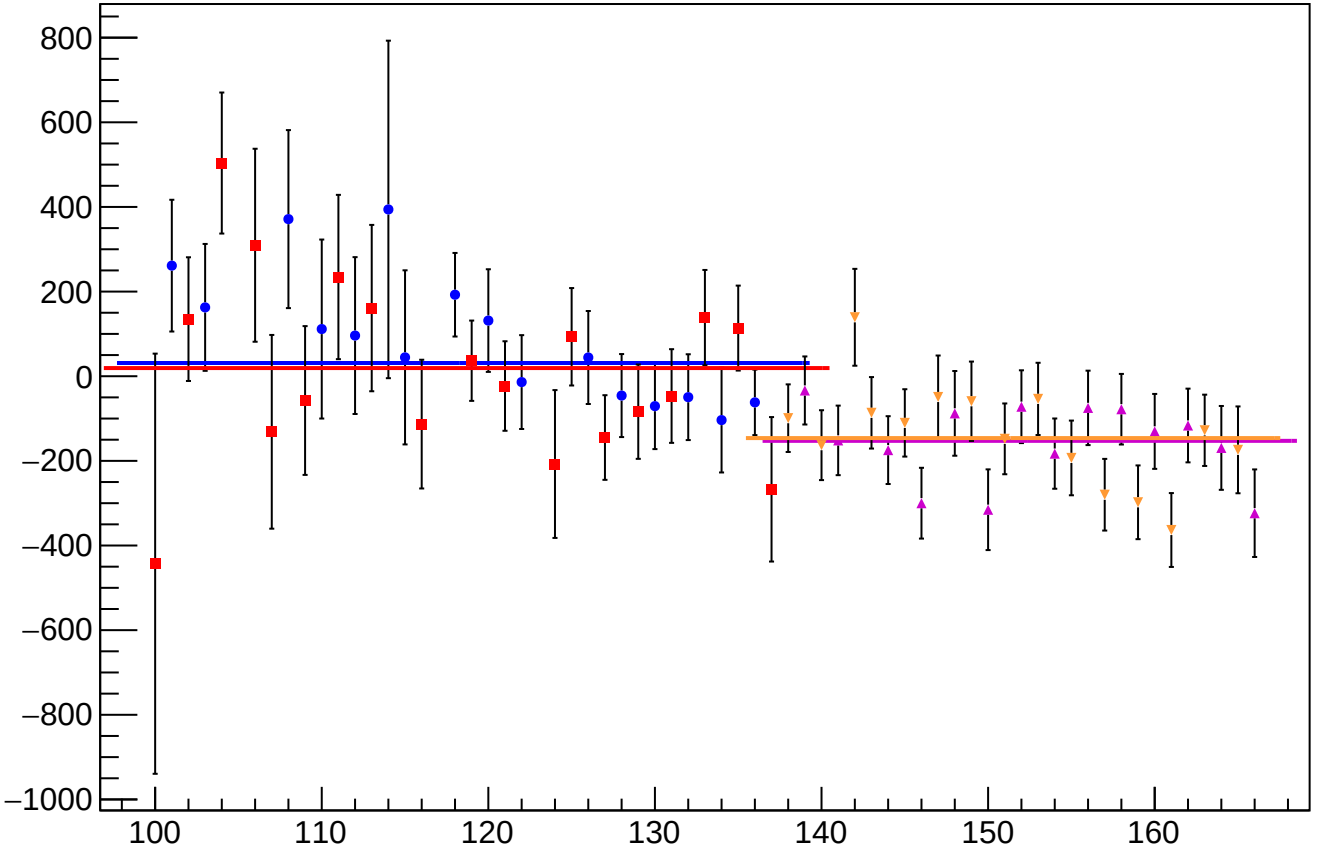
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 341.800+/-0.059 χ^2/NDF:3416870.1/29

Out: 348.782+/-0.059 χ^2/NDF:3410768.1/33

All: 345.269+/-0.042 χ^2/NDF: 6834673.7/63

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.168+/-22.686 χ^2/NDF:22.5/14

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -152.691+/-23.444 χ^2/NDF:14.3/13

Left: -149.322+/-16.303 χ^2/NDF: 36.8/28

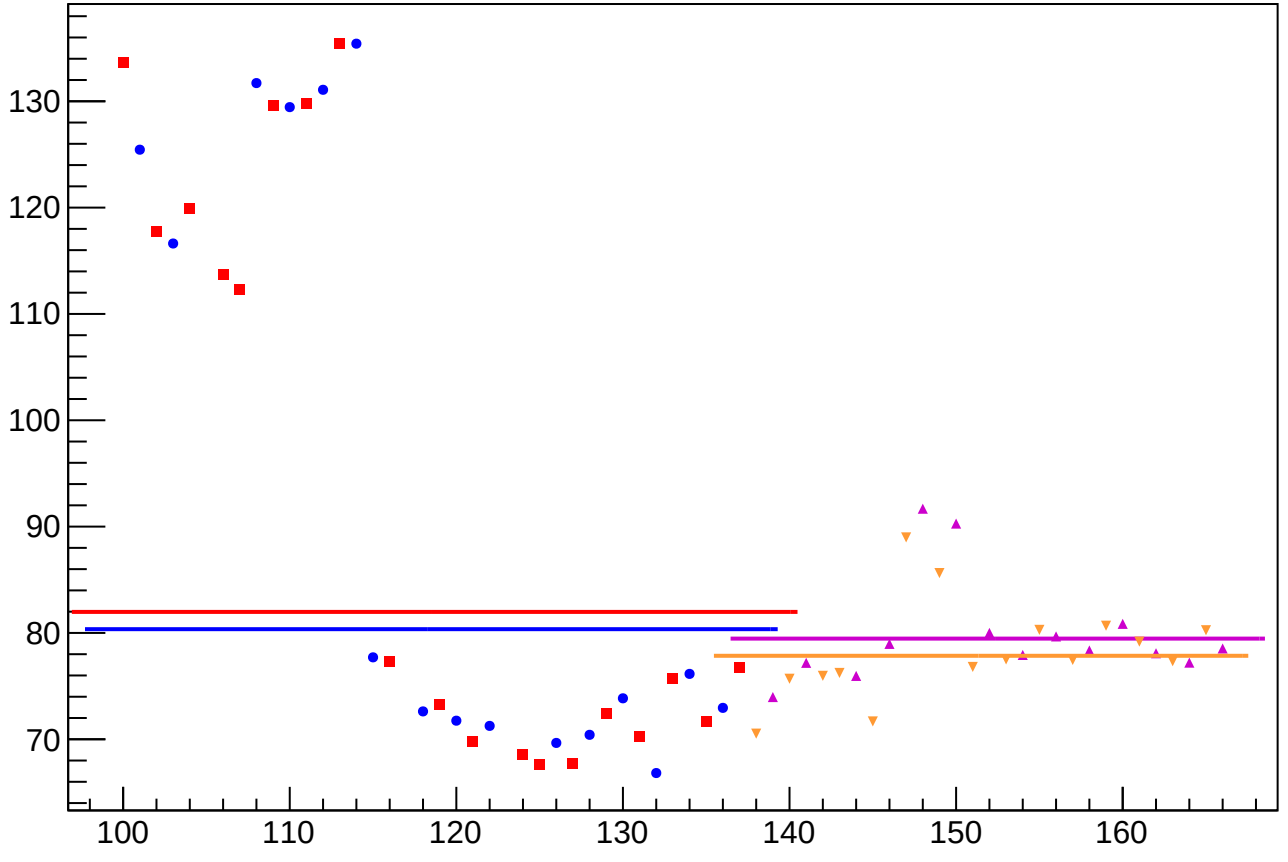
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -85.172+/-18.652 χ^2/NDF:52.0/29

Out: -88.608+/-18.320 χ^2/NDF:66.7/33

All: -86.921+/-13.070 χ^2/NDF: 118.7/63

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

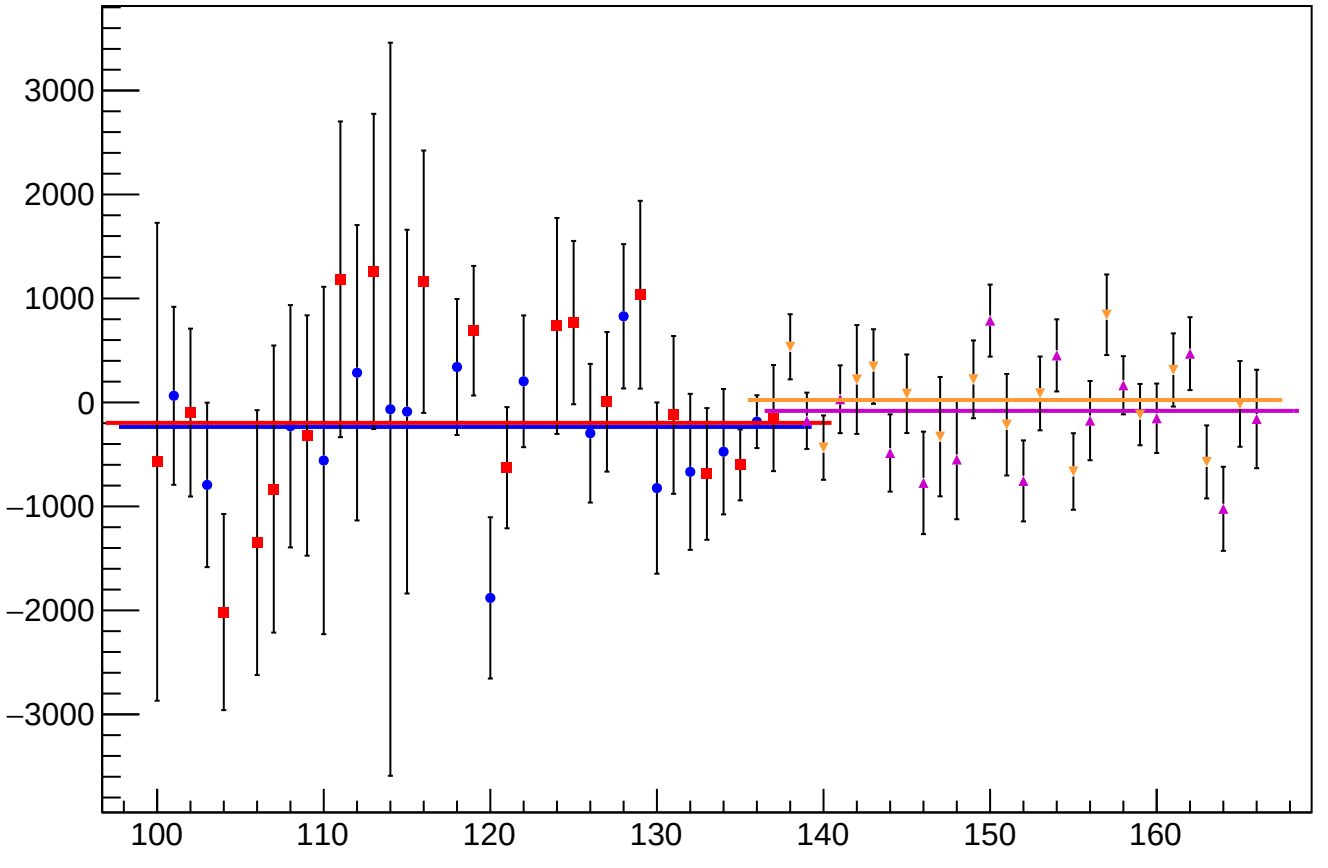
Left: 78.632+/-0.012 χ^2/NDF: 155283.9/28

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.792+/-0.013 χ^2/NDF:914744.2/29

Out: 79.287+/-0.013 χ^2/NDF:1030217.8/33

All: 79.535+/-0.009 χ^2/NDF: 1945710.5/63



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -81.157+/-96.248 χ^2/NDF:24.5/13

Left: -28.759+/-67.893 χ^2/NDF: 43.6/28

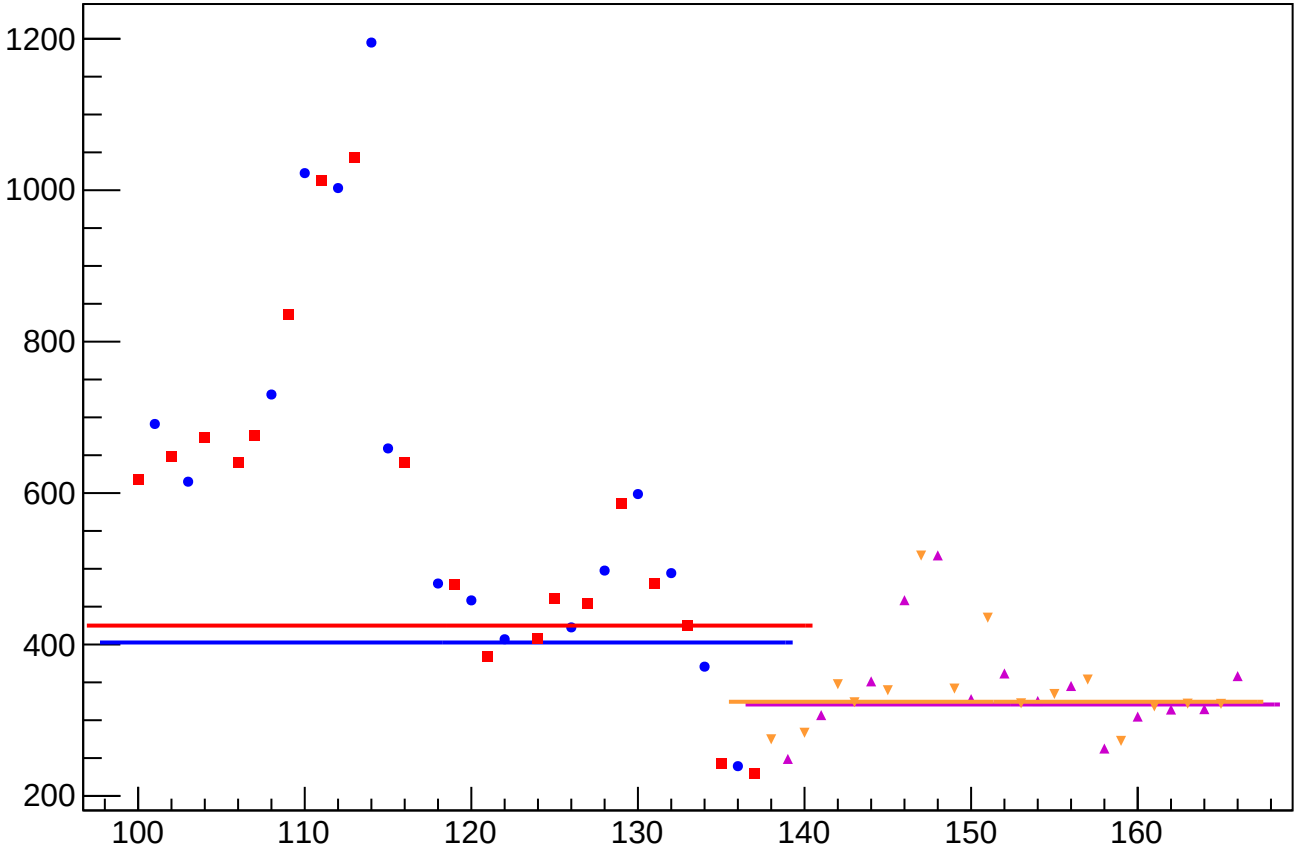
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -120.787+/-82.978 χ^2/NDF:35.1/29

Out: -29.576+/-83.508 χ^2/NDF:36.3/33

All: -75.472+/-58.861 χ^2/NDF: 72.0/63

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.4/13

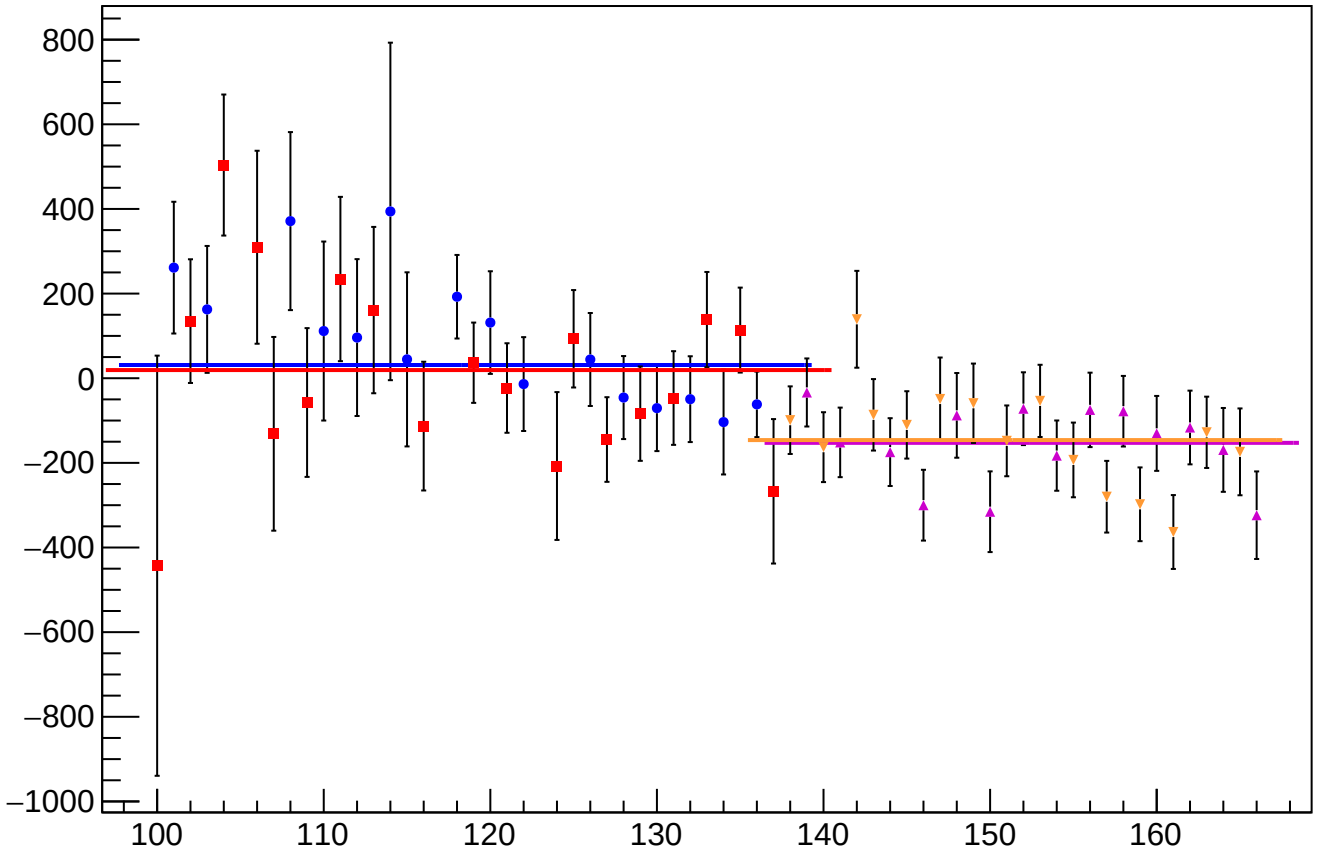
Left: 322.592+/-0.048 χ^2/NDF: 1188335.6/28

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

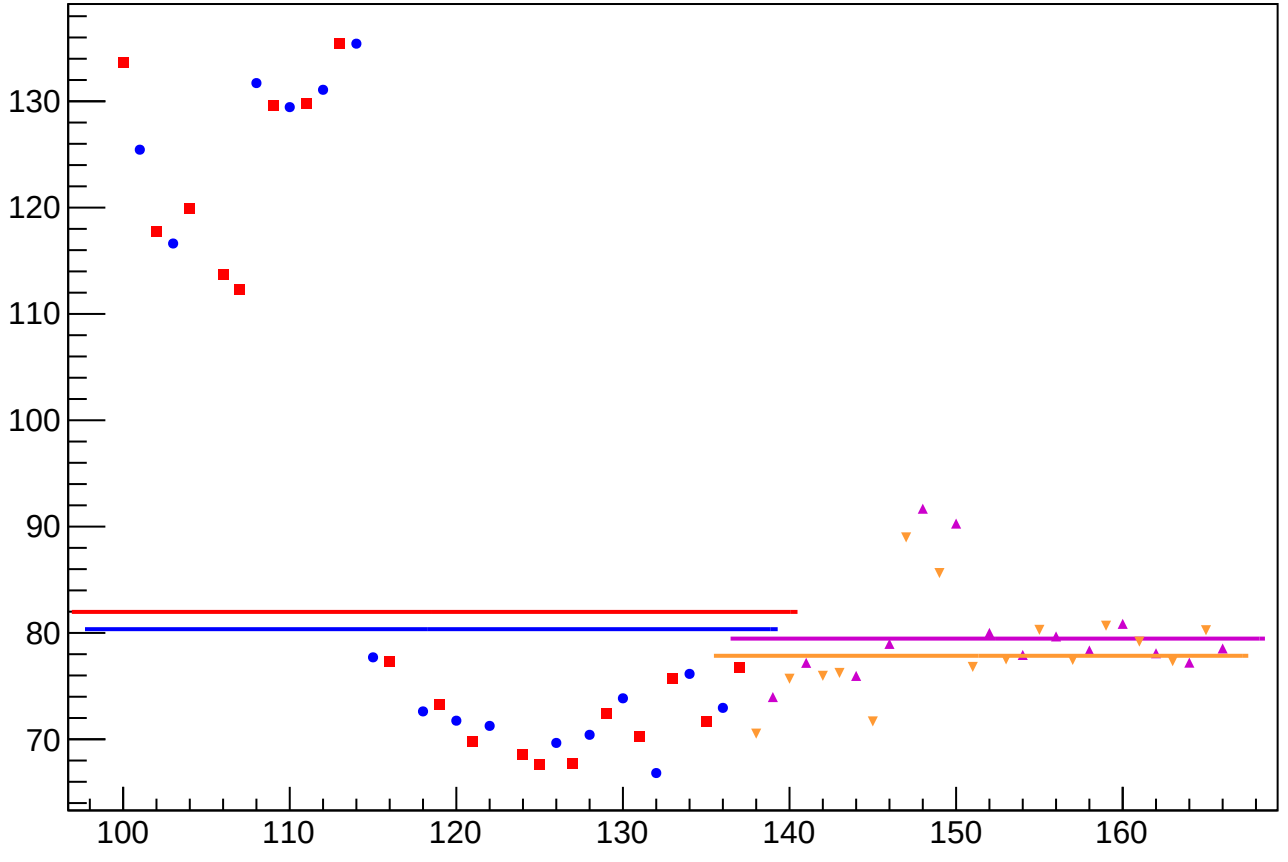
In: 341.800+/-0.059 χ^2/NDF:3416865.7/29

Out: 348.523+/-0.059 χ^2/NDF:3372050.7/33

All: 345.140+/-0.042 χ^2/NDF: 6795437.4/63


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -146.168+/-22.686 χ²/NDF:22.5/14
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -152.691+/-23.444 χ²/NDF:14.3/13
Left: -149.322+/-16.303 χ²/NDF: 36.8/28
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -85.172+/-18.652 χ²/NDF:52.0/29
Out: -88.608+/-18.320 χ²/NDF:66.7/33
All: -86.921+/-13.070 χ²/NDF: 118.7/63

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.467+/-0.017 χ^2/NDF:73653.1/13

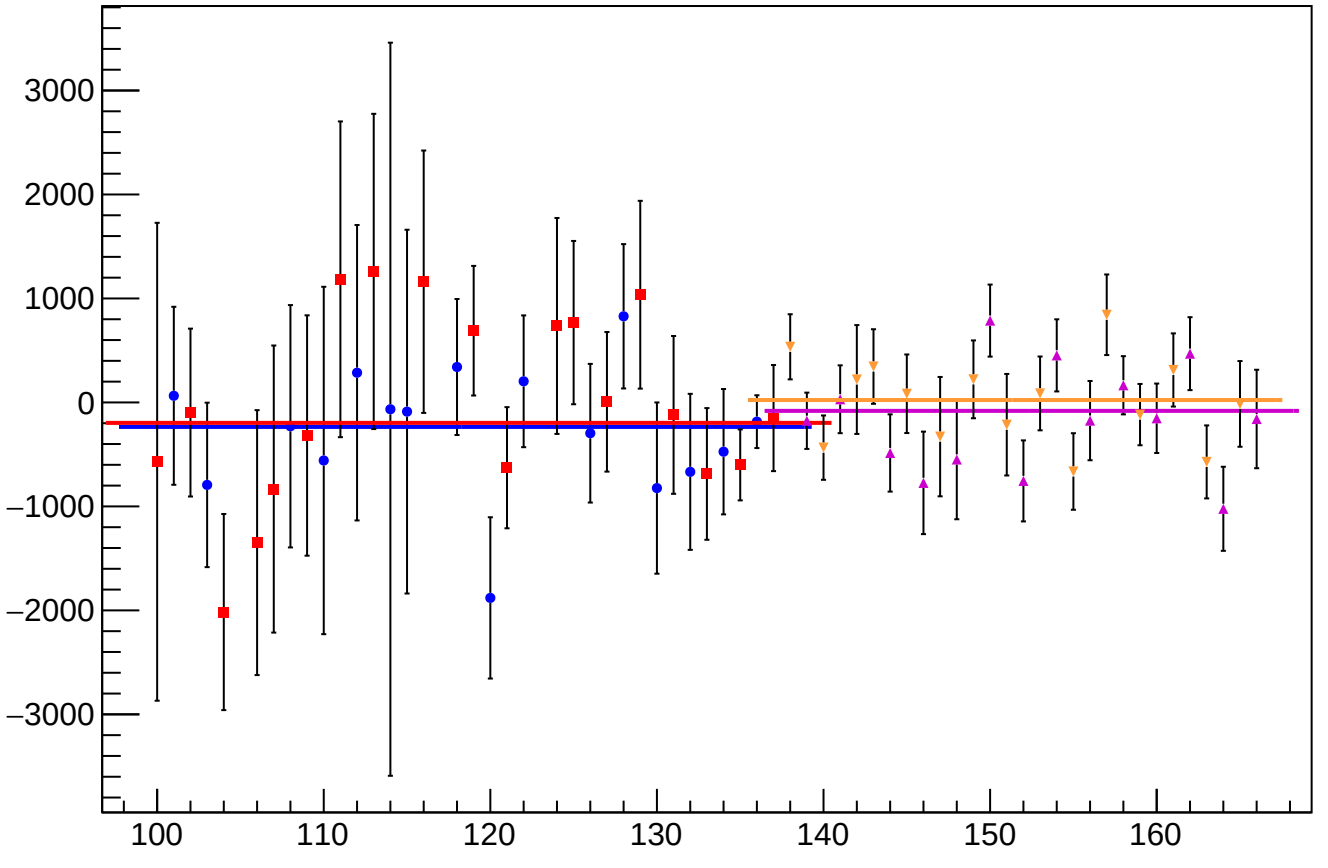
Left: 78.632+/-0.012 χ^2/NDF: 155283.9/28

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.792+/-0.013 χ^2/NDF:914744.2/29

Out: 79.287+/-0.013 χ^2/NDF:1030217.8/33

All: 79.535+/-0.009 χ^2/NDF: 1945710.5/63



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -81.157+/-96.248 χ^2/NDF:24.5/13

Left: -28.759+/-67.893 χ^2/NDF: 43.6/28

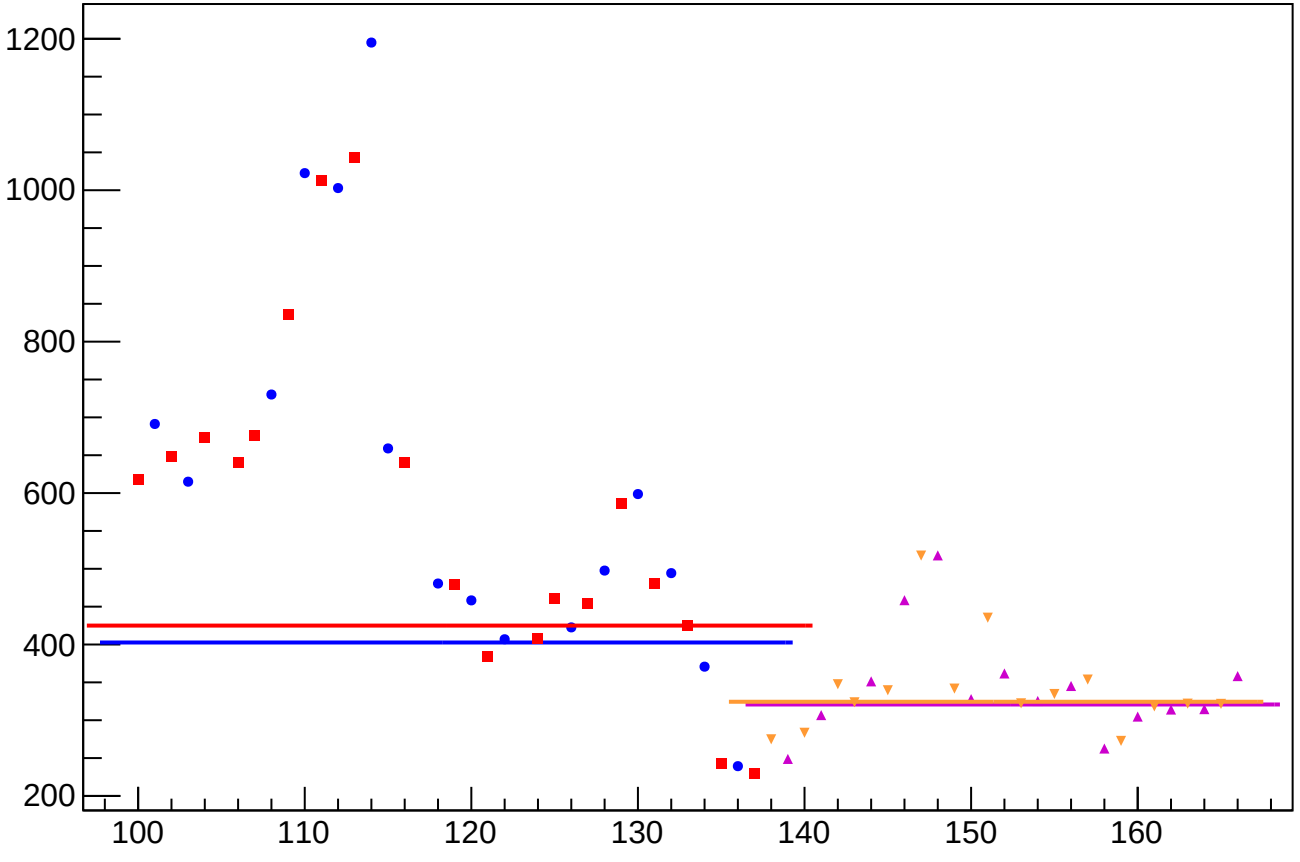
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -120.787+/-82.978 χ^2/NDF:35.1/29

Out: -29.576+/-83.508 χ^2/NDF:36.3/33

All: -75.472+/-58.861 χ^2/NDF: 72.0/63

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 320.779+/-0.068 χ^2/NDF:685180.4/13

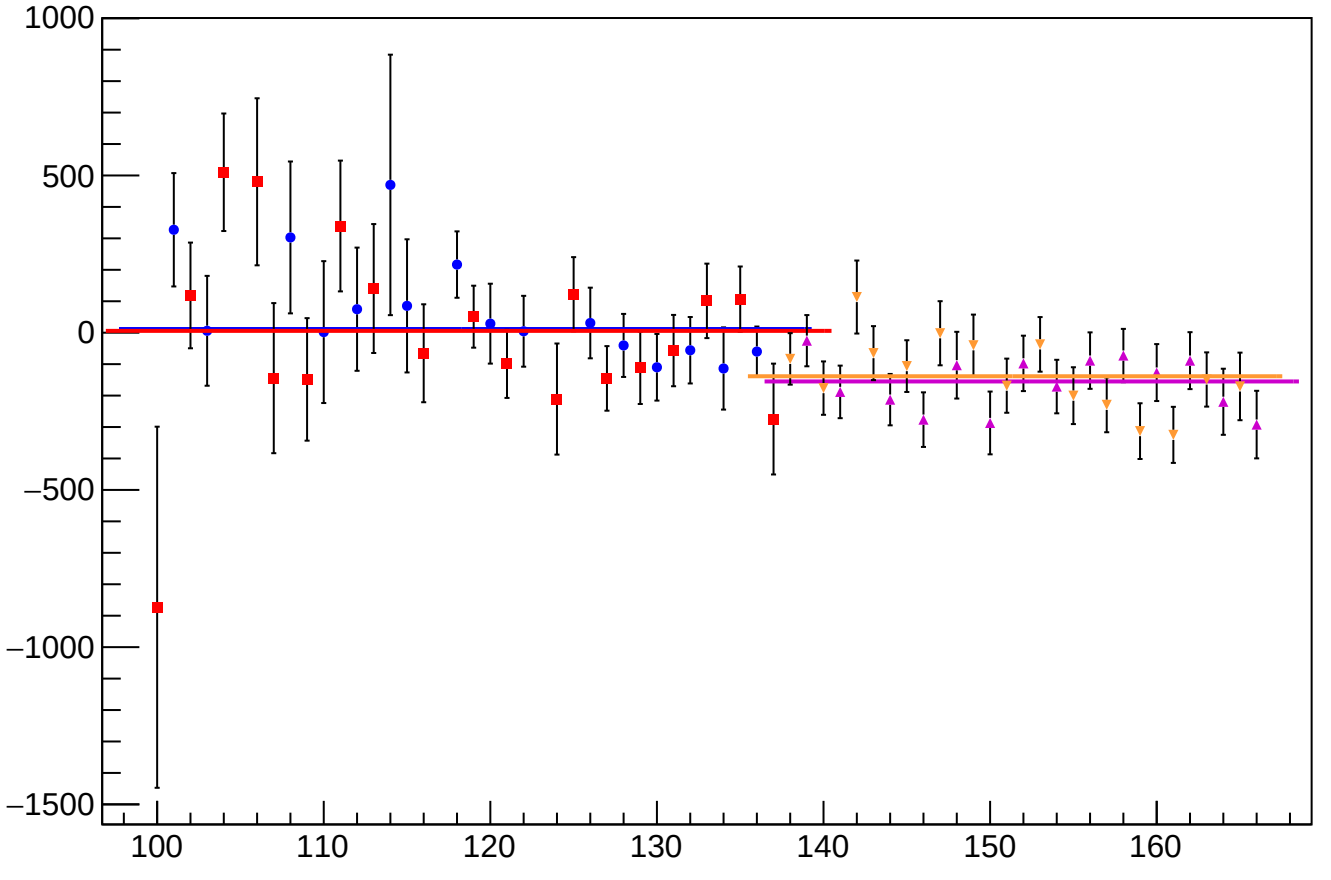
Left: 322.592+/-0.048 χ^2/NDF: 1188335.6/28

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.800+/-0.059 χ^2/NDF:3416865.7/29

Out: 348.523+/-0.059 χ^2/NDF:3372050.7/33

All: 345.140+/-0.042 χ^2/NDF: 6795437.4/63



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.524+/-23.296 χ^2/NDF:20.5/14

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -155.051+/-24.136 χ^2/NDF:11.7/13

Left: -146.495+/-16.762 χ^2/NDF: 32.4/28

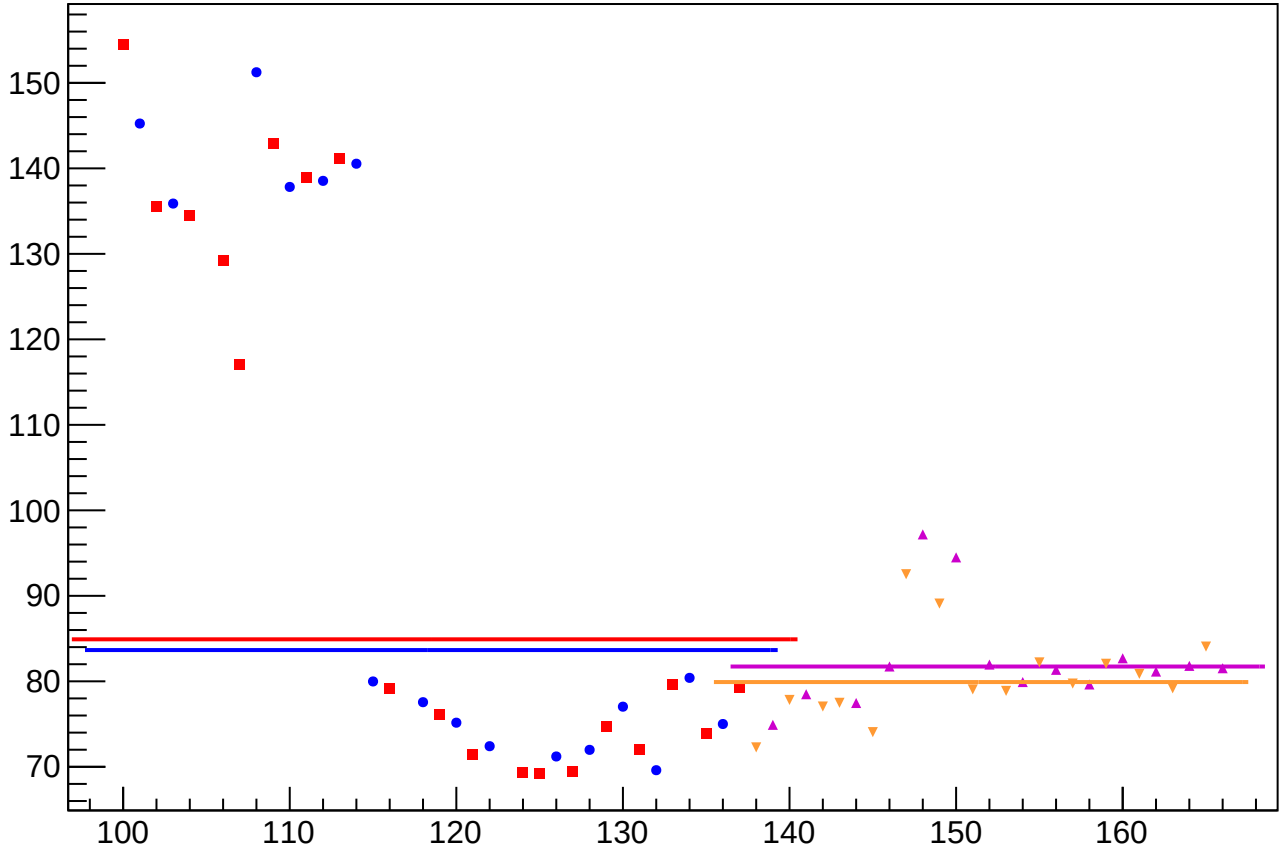
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.315+/-19.334 χ^2/NDF:42.3/29

Out: -89.420+/-18.923 χ^2/NDF:62.3/33

All: -92.305+/-13.523 χ^2/NDF: 104.7/63

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.914+/-0.016 χ^2/NDF:86245.3/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.732+/-0.017 χ^2/NDF:100134.6/13

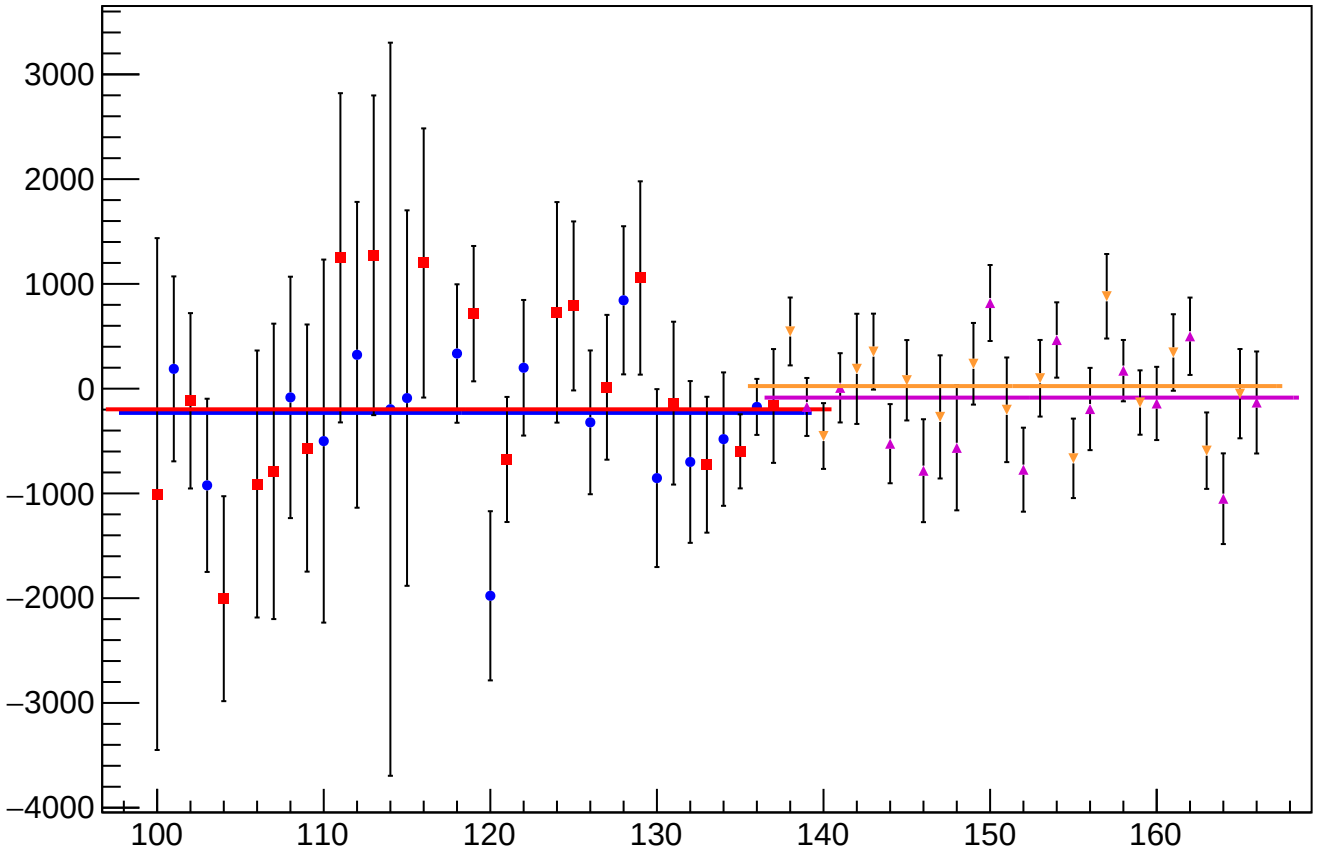
Left: 80.791+/-0.012 χ^2/NDF: 192249.2/28

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.422+/-0.014 χ^2/NDF:1139490.7/29

Out: 81.615+/-0.013 χ^2/NDF:1239239.9/33

All: 82.010+/-0.010 χ^2/NDF: 2380508.8/63



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.502+/-98.603 χ^2/NDF:18.4/14

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -85.478+/-99.530 χ^2/NDF:24.1/13

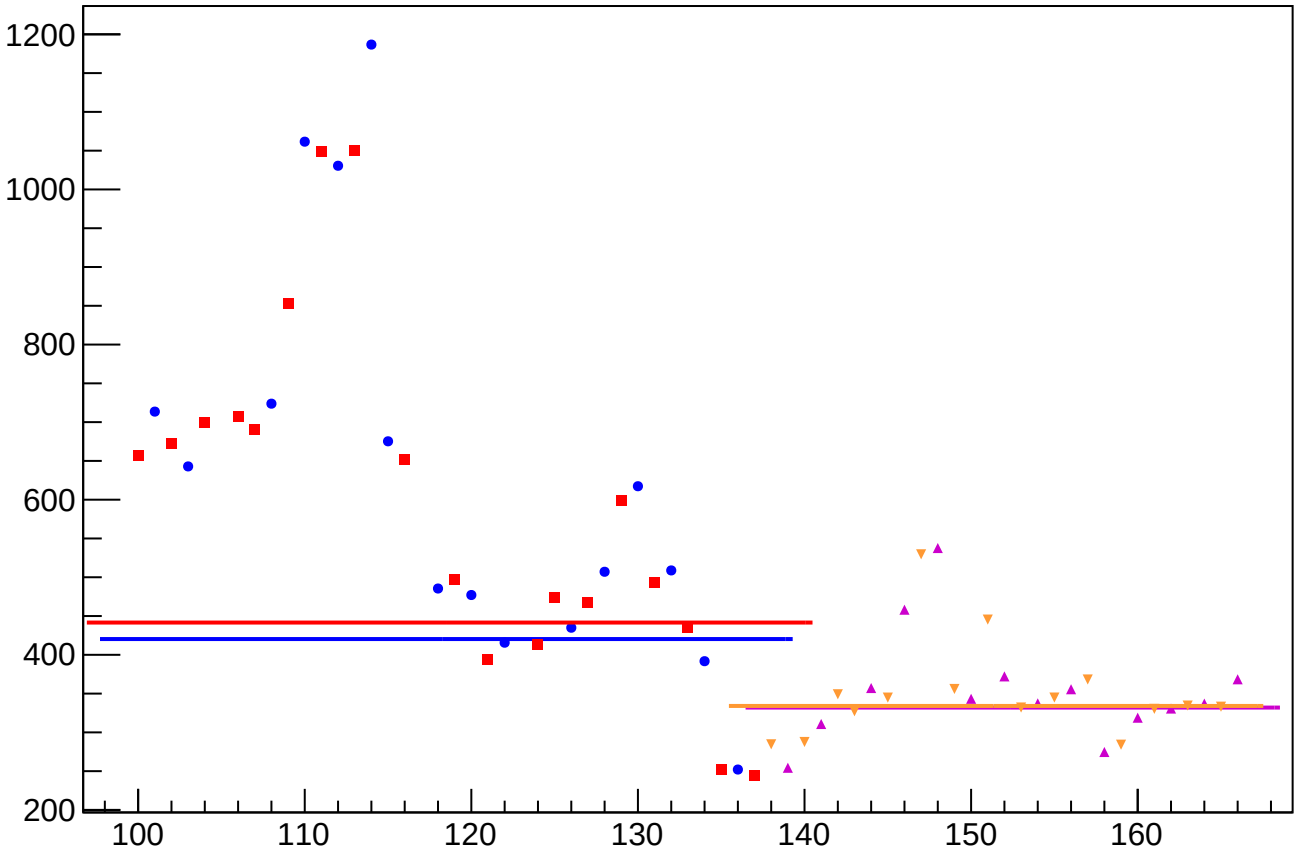
Left: -29.973+/-70.048 χ^2/NDF: 43.0/28

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -122.686+/-85.909 χ^2/NDF:35.0/29

Out: -28.420+/-86.033 χ^2/NDF:35.5/33

All: -75.621+/-60.791 χ^2/NDF: 71.1/63



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.5/14

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 331.977+/-0.070 χ^2/NDF:664618.9/13

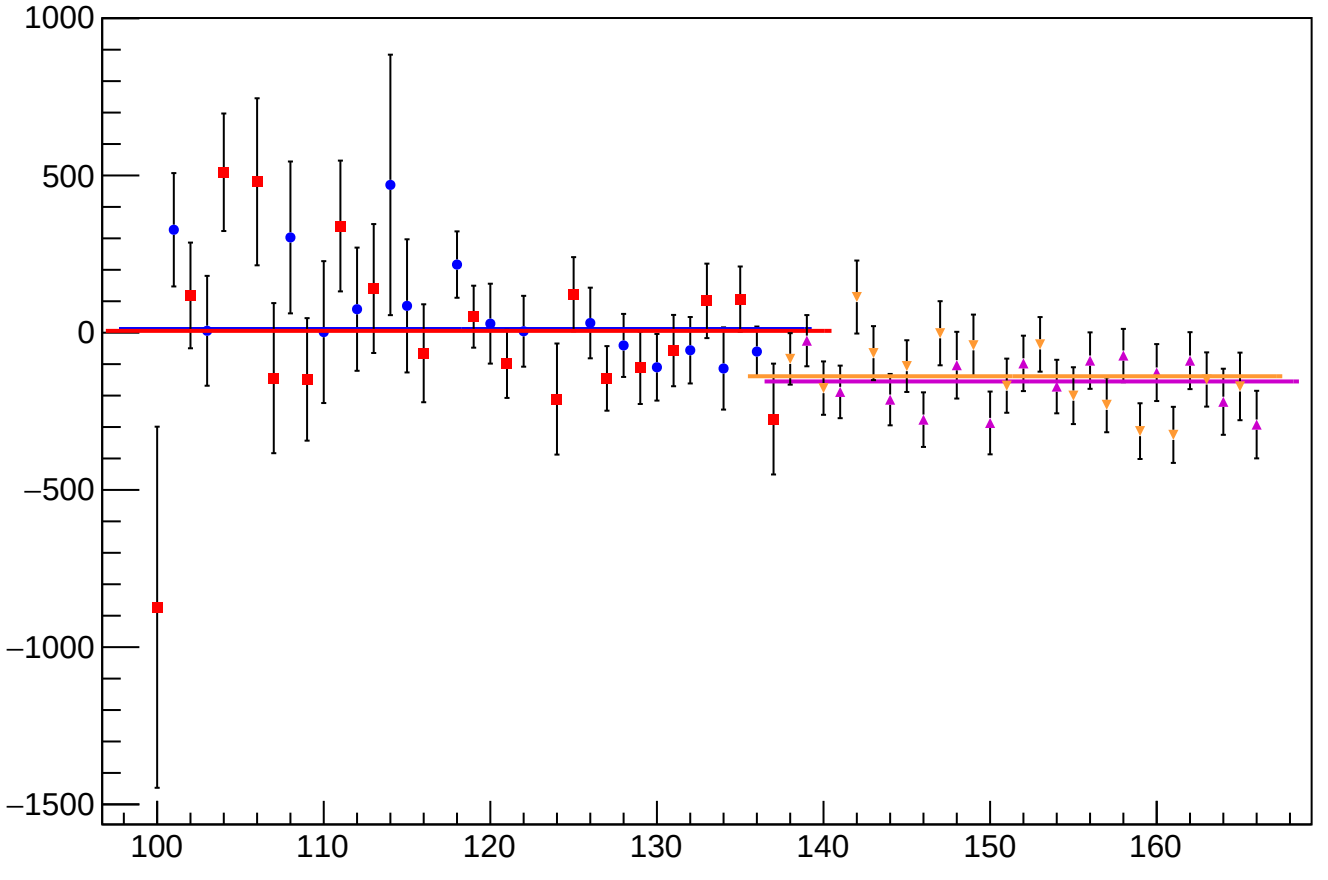
Left: 333.038+/-0.050 χ^2/NDF: 1155442.2/28

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.504+/-0.061 χ^2/NDF:3321078.4/29

Out: 359.745+/-0.061 χ^2/NDF:3365595.2/33

All: 357.121+/-0.043 χ^2/NDF: 6690389.0/63



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.523+/-23.296 χ^2/NDF:20.5/14

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -155.051+/-24.136 χ^2/NDF:11.7/13

Left: -146.495+/-16.762 χ^2/NDF: 32.4/28

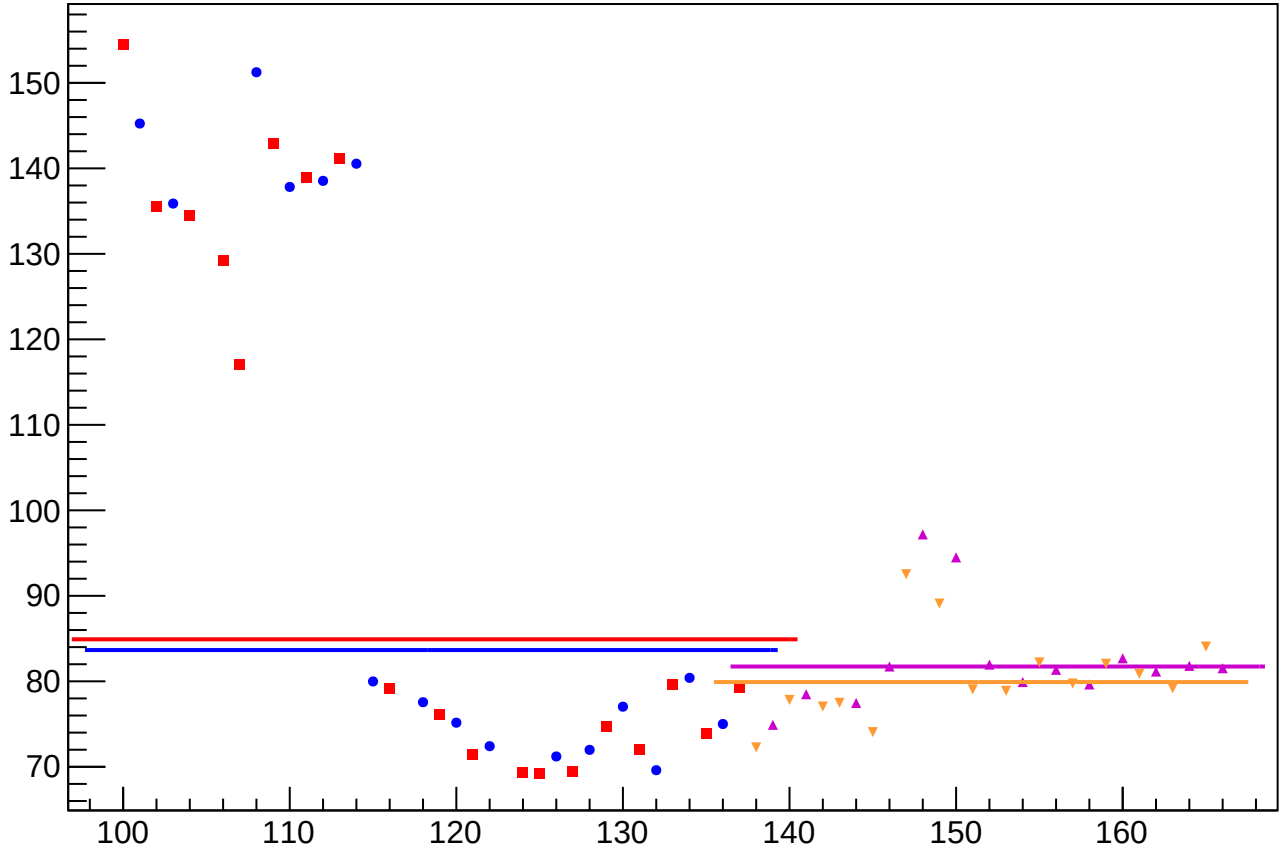
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.315+/-19.334 χ^2/NDF:42.3/29

Out: -89.420+/-18.923 χ^2/NDF:62.3/33

All: -92.304+/-13.523 χ^2/NDF: 104.7/63

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.914+/-0.016 χ^2/NDF:86244.8/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.732+/-0.017 χ^2/NDF:100133.8/13

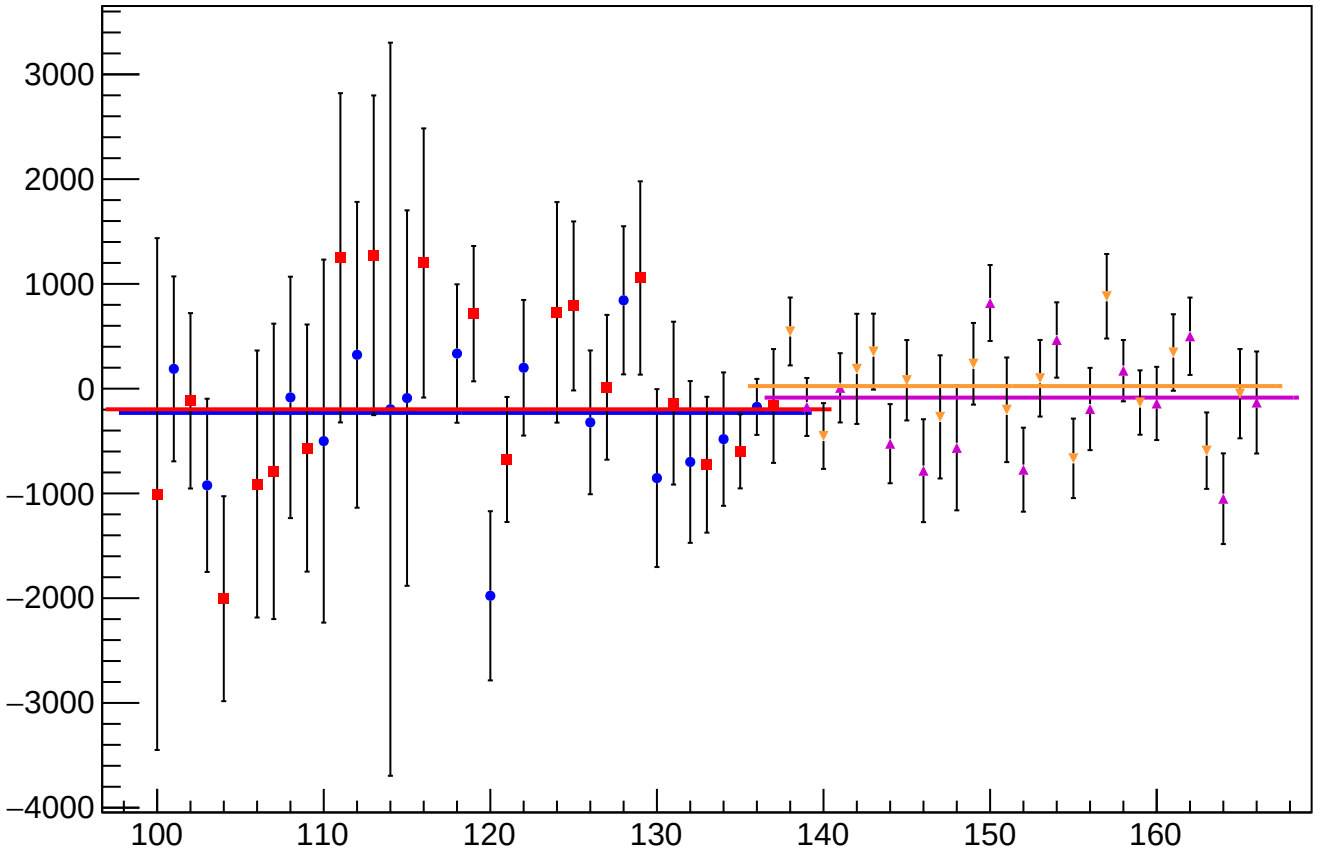
Left: 80.791+/-0.012 χ^2/NDF: 192247.8/28

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.421+/-0.014 χ^2/NDF:1139489.1/29

Out: 81.615+/-0.013 χ^2/NDF:1239237.4/33

All: 82.009+/-0.010 χ^2/NDF: 2380504.9/63



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.503+/-98.603 χ^2/NDF:18.4/14

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -85.478+/-99.530 χ^2/NDF:24.1/13

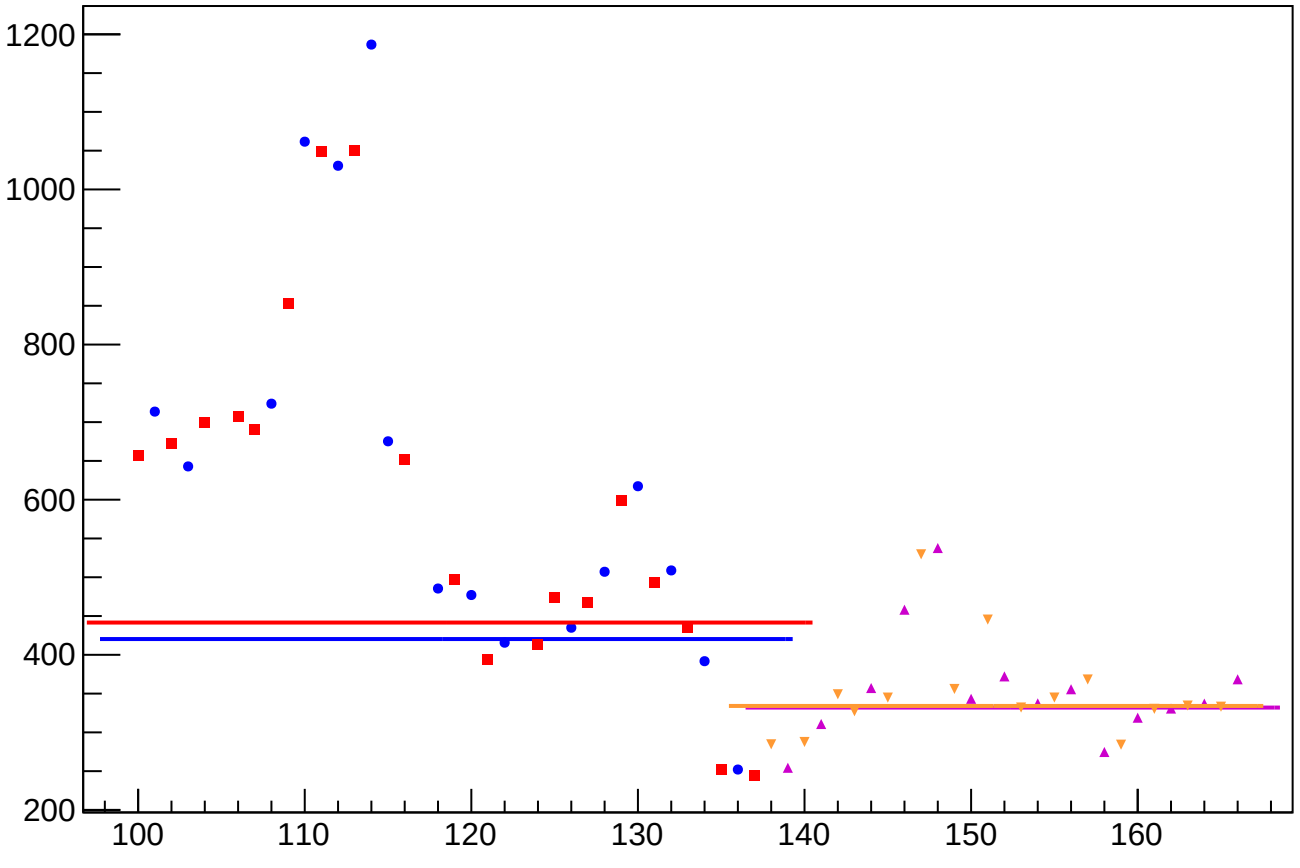
Left: -29.973+/-70.048 χ^2/NDF: 43.0/28

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -122.686+/-85.909 χ^2/NDF:35.0/29

Out: -28.420+/-86.033 χ^2/NDF:35.5/33

All: -75.621+/-60.791 χ^2/NDF: 71.1/63



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.9/14

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 331.977+/-0.070 χ^2/NDF:664620.3/13

Left: 333.038+/-0.050 χ^2/NDF: 1155444.0/28

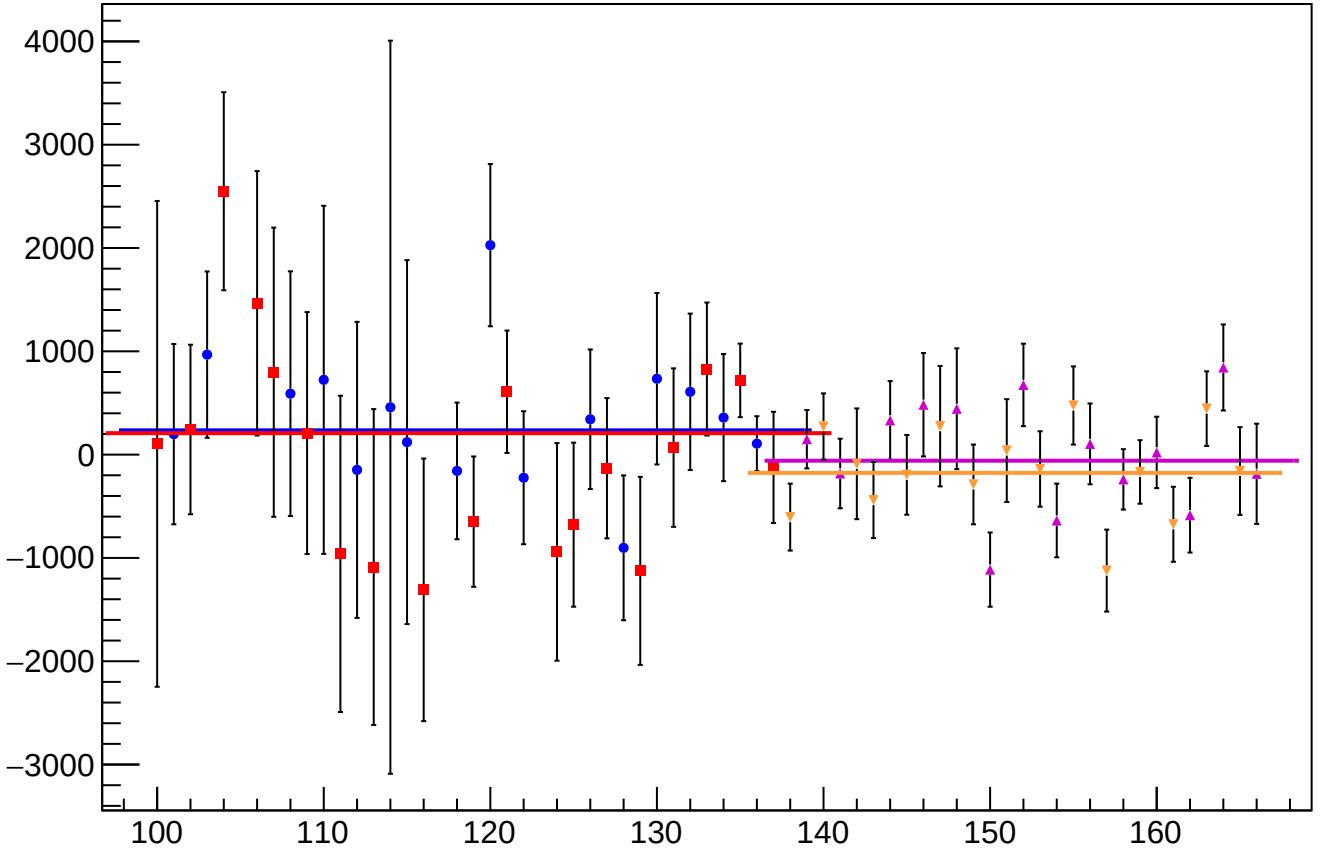
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.504+/-0.061 χ^2/NDF:3321080.7/29

Out: 359.744+/-0.061 χ^2/NDF:3365596.2/33

All: 357.121+/-0.043 χ^2/NDF: 6690392.3/63

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -176.620+/-98.676 χ^2/NDF:18.6/14

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -58.841+/-99.346 χ^2/NDF:25.8/13

Left: -118.129+/-70.010 χ^2/NDF: 45.1/28

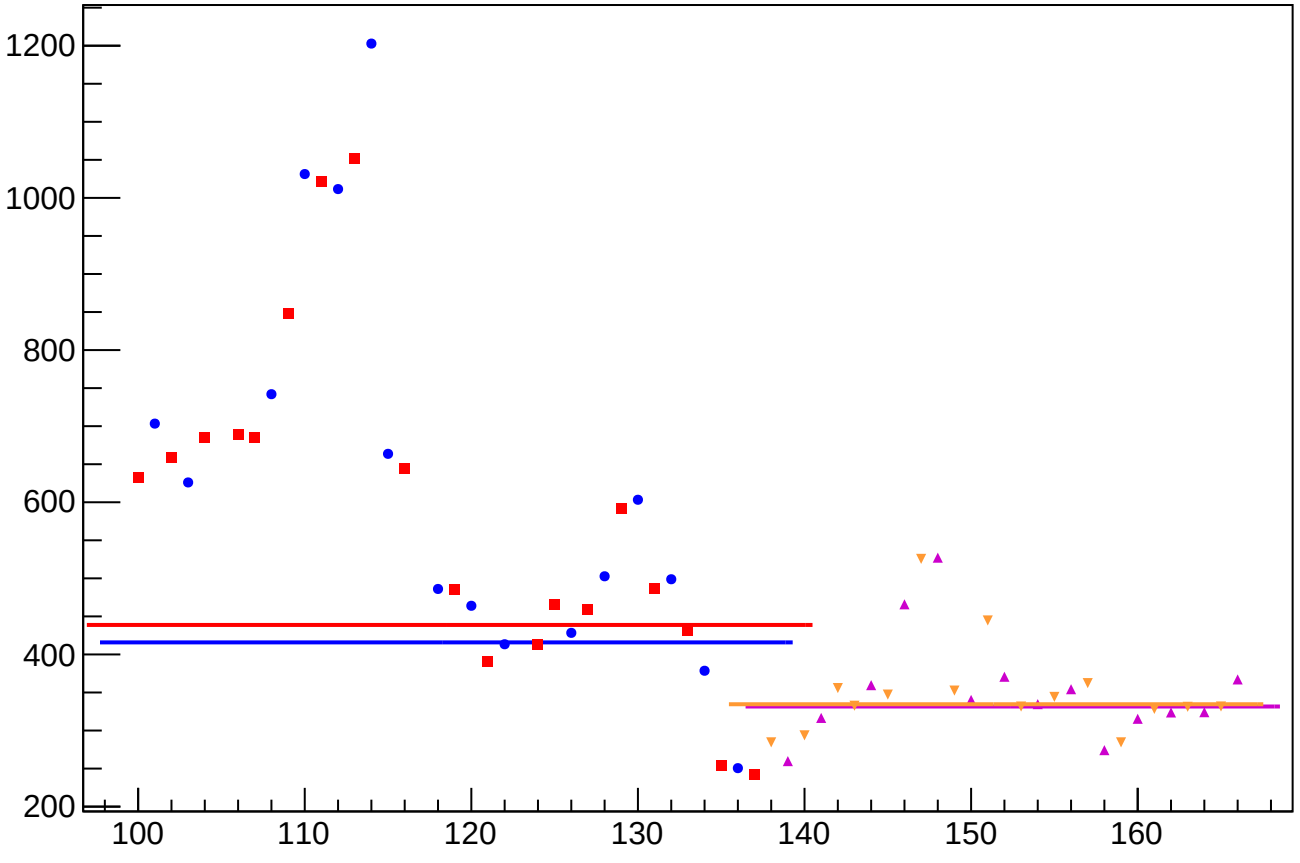
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 17.171+/-85.539 χ^2/NDF:38.7/29

Out: -83.621+/-85.920 χ^2/NDF:42.7/33

All: -33.002+/-60.619 χ^2/NDF: 82.1/63

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.550+/-0.070 χ^2/NDF:467967.5/14

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 331.581+/-0.070 χ^2/NDF:632631.9/13

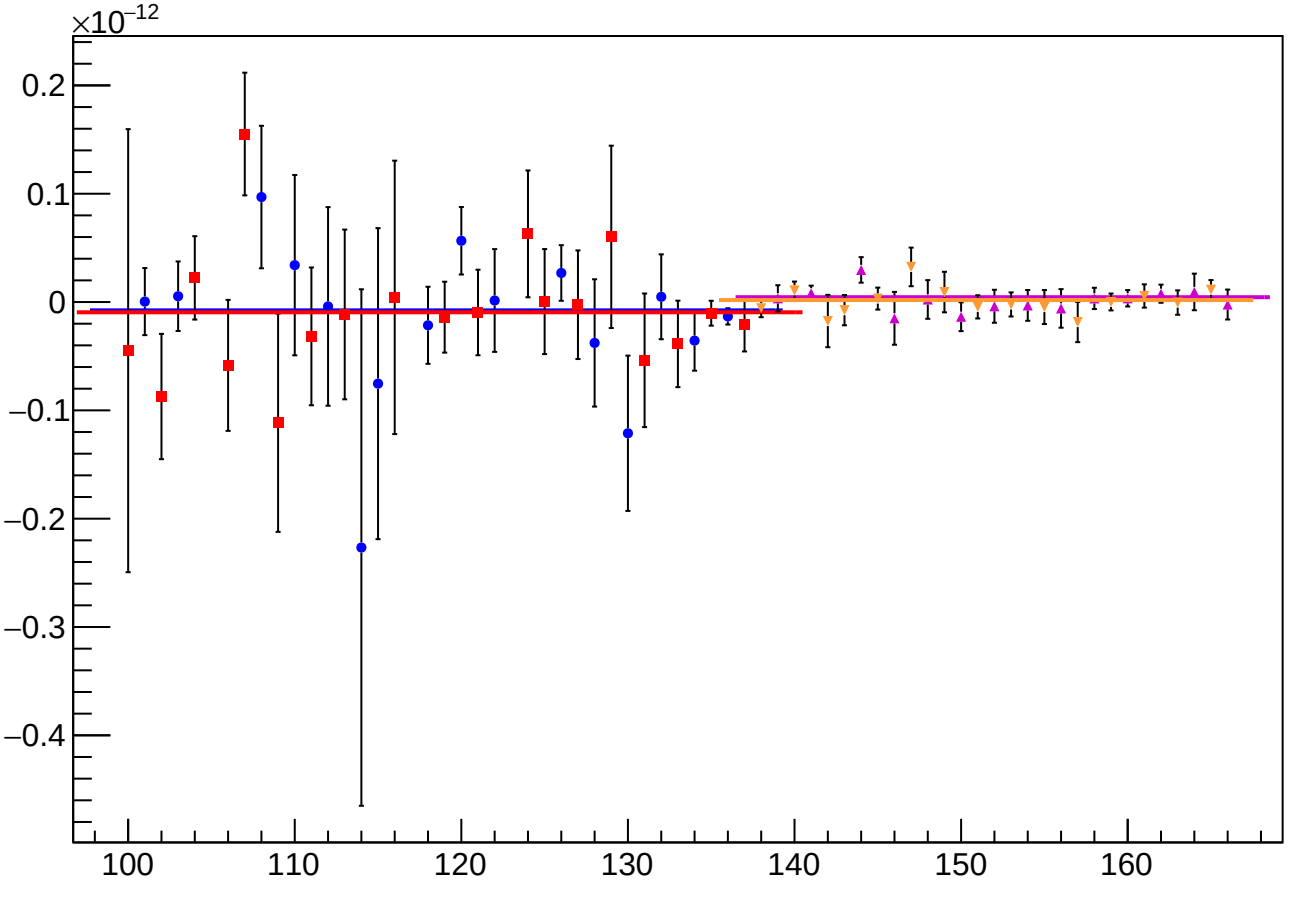
Left: 333.076+/-0.050 χ^2/NDF: 1101498.5/28

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 353.373+/-0.060 χ^2/NDF:3228666.6/29

Out: 359.755+/-0.061 χ^2/NDF:3242323.8/33

All: 356.550+/-0.043 χ^2/NDF: 6476531.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/13

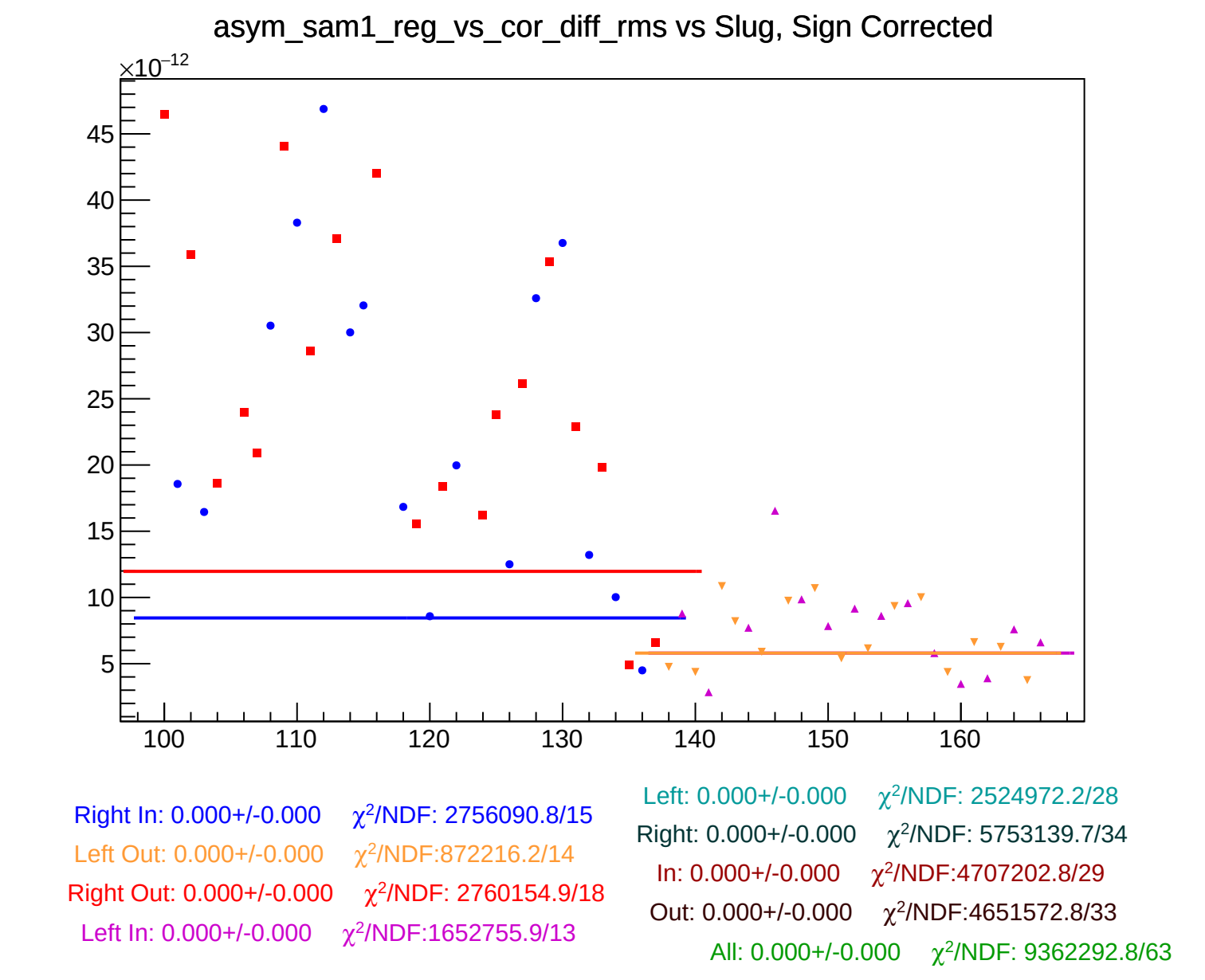
Left: 0.000+/-0.000 χ^2/NDF: 18.6/28

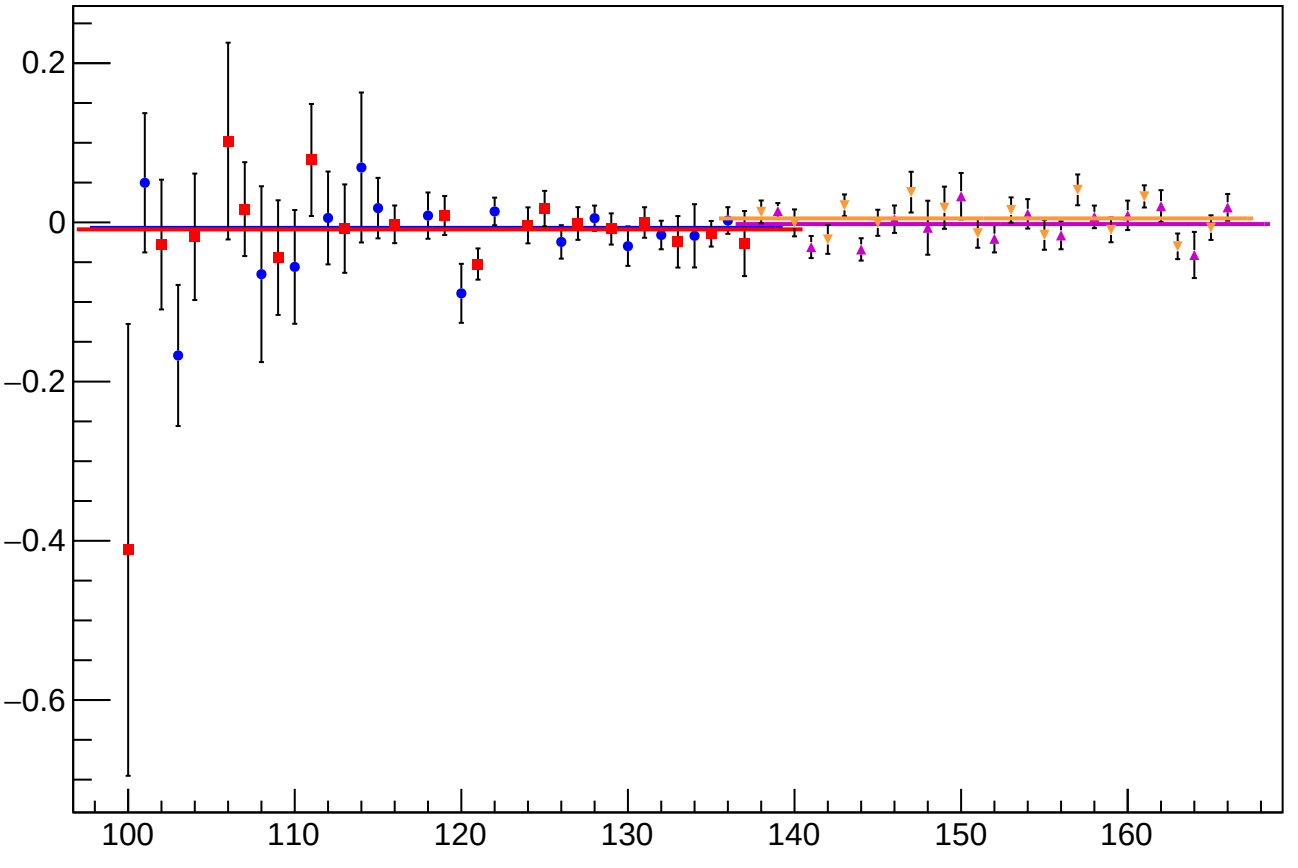
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.6/29

Out: 0.000+/-0.000 χ^2/NDF:27.4/33

All: 0.000+/-0.000 χ^2/NDF: 54.2/63


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:872216.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1652755.9/13
Left: 0.000+/-0.000 χ²/NDF: 2524972.2/28
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4707202.8/29
Out: 0.000+/-0.000 χ²/NDF:4651572.8/33
All: 0.000+/-0.000 χ²/NDF: 9362292.8/63



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

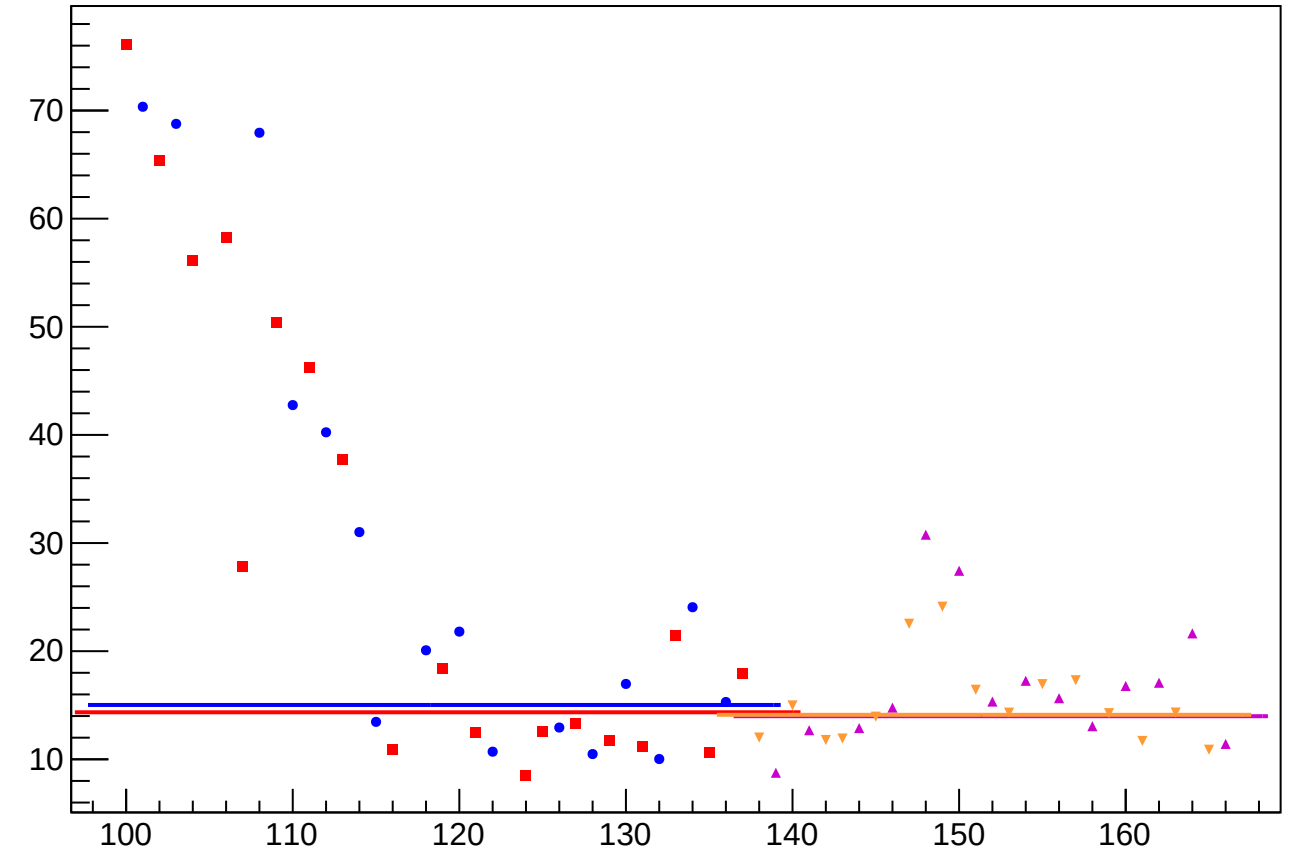
Left: 0.002+/-0.003 χ^2/NDF: 45.0/28

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.001+/-0.003 χ^2/NDF: 75.5/63



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874226.3/13

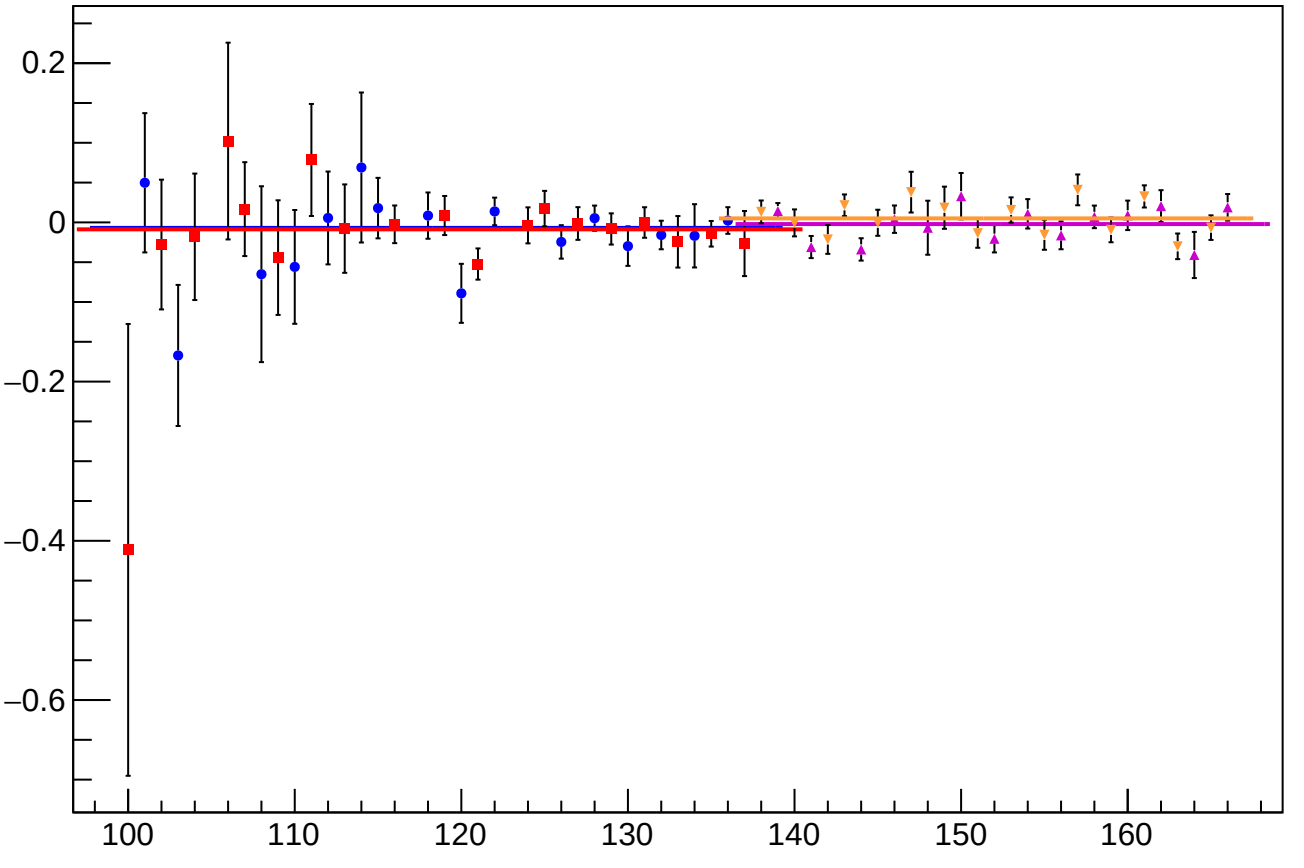
Left: 14.052+/-0.002 χ^2/NDF: 2791519.1/28

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.302+/-0.003 χ^2/NDF:5345682.8/29

Out: 14.189+/-0.003 χ^2/NDF:4547258.0/33

All: 14.243+/-0.002 χ^2/NDF: 9893910.8/63



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

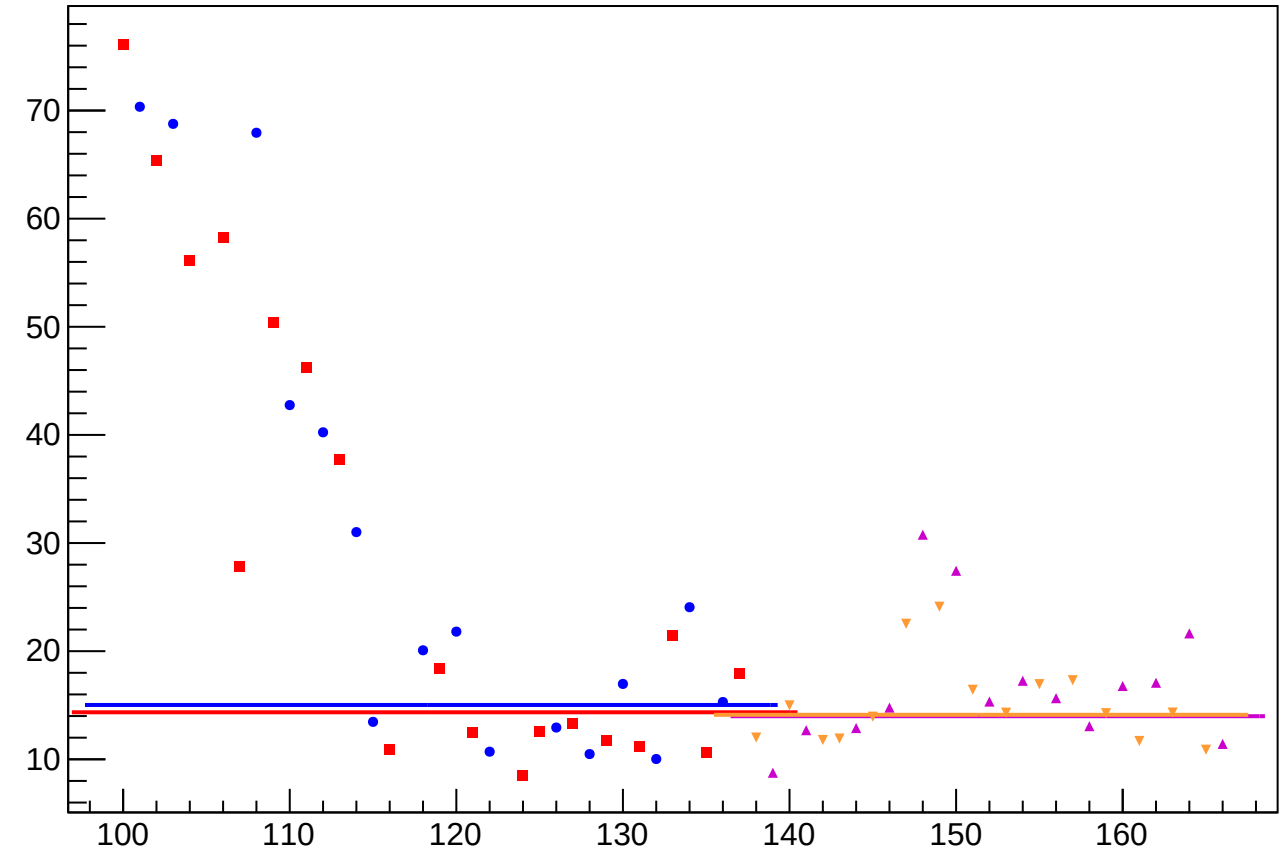
Left: 0.002+/-0.003 χ^2/NDF: 45.0/28

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.001+/-0.003 χ^2/NDF: 75.5/63



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874226.3/13

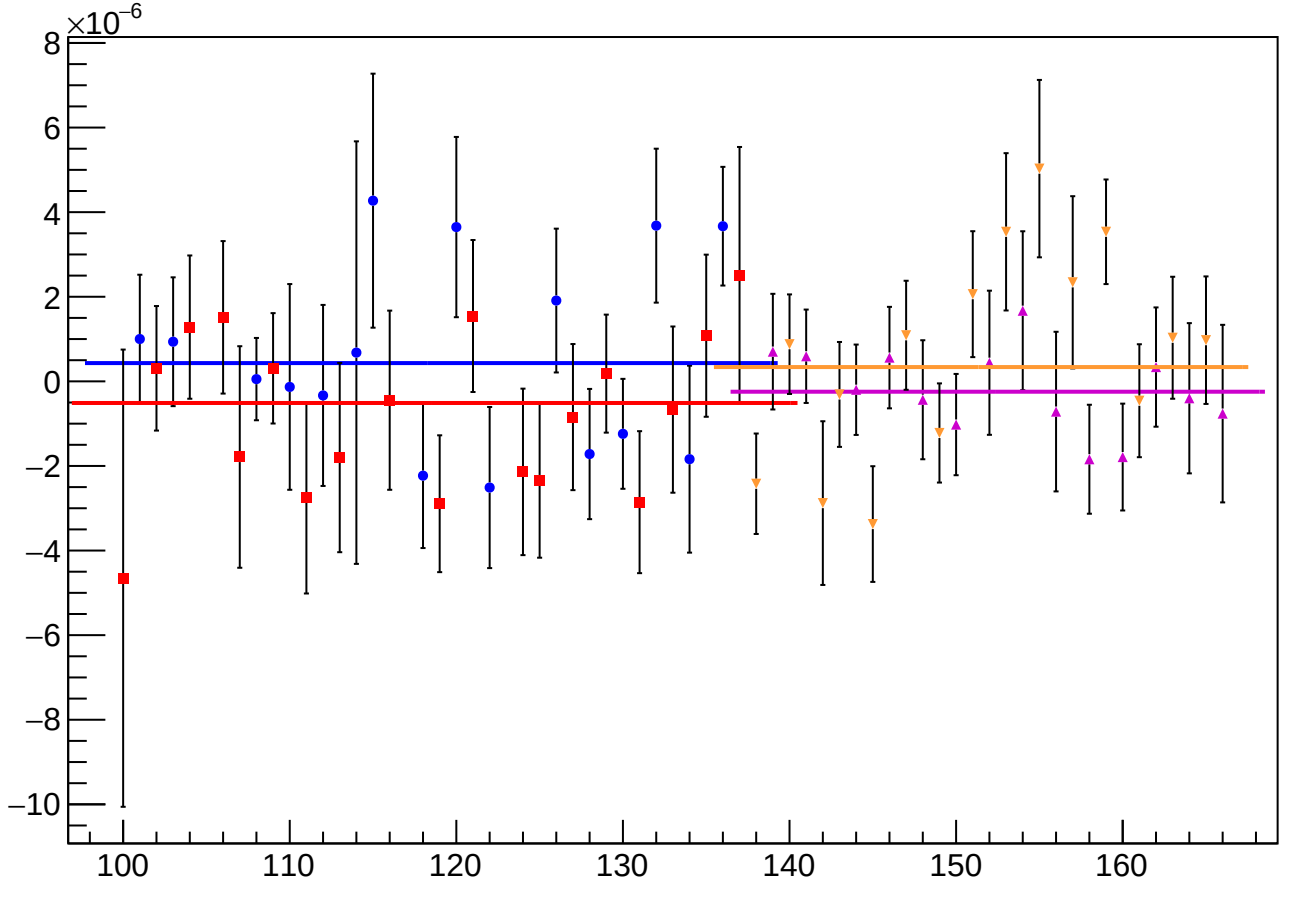
Left: 14.052+/-0.002 χ^2/NDF: 2791519.1/28

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.302+/-0.003 χ^2/NDF:5345682.8/29

Out: 14.189+/-0.003 χ^2/NDF:4547258.0/33

All: 14.243+/-0.002 χ^2/NDF: 9893910.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/13

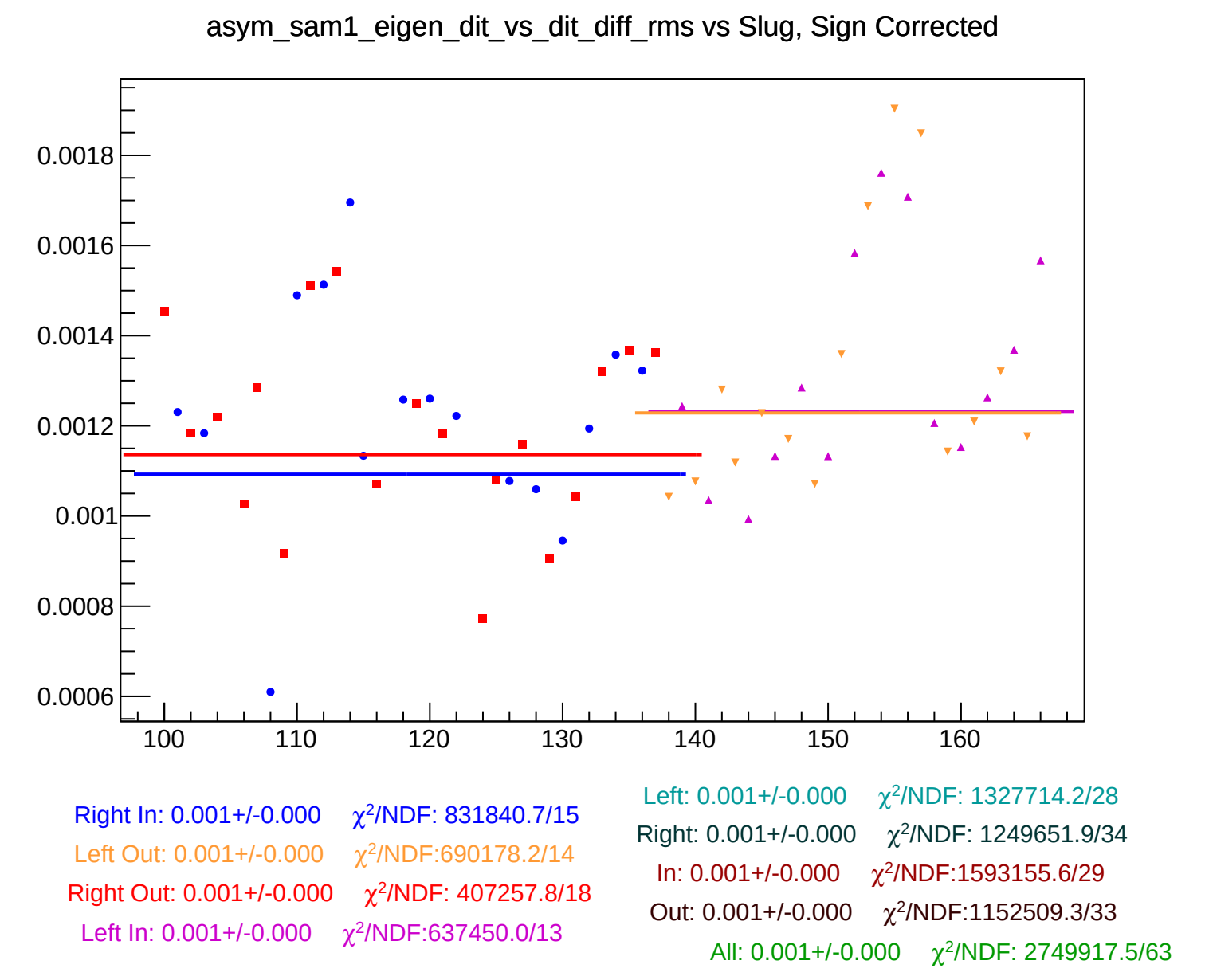
Left: 0.000+/-0.000 χ^2/NDF: 43.6/28

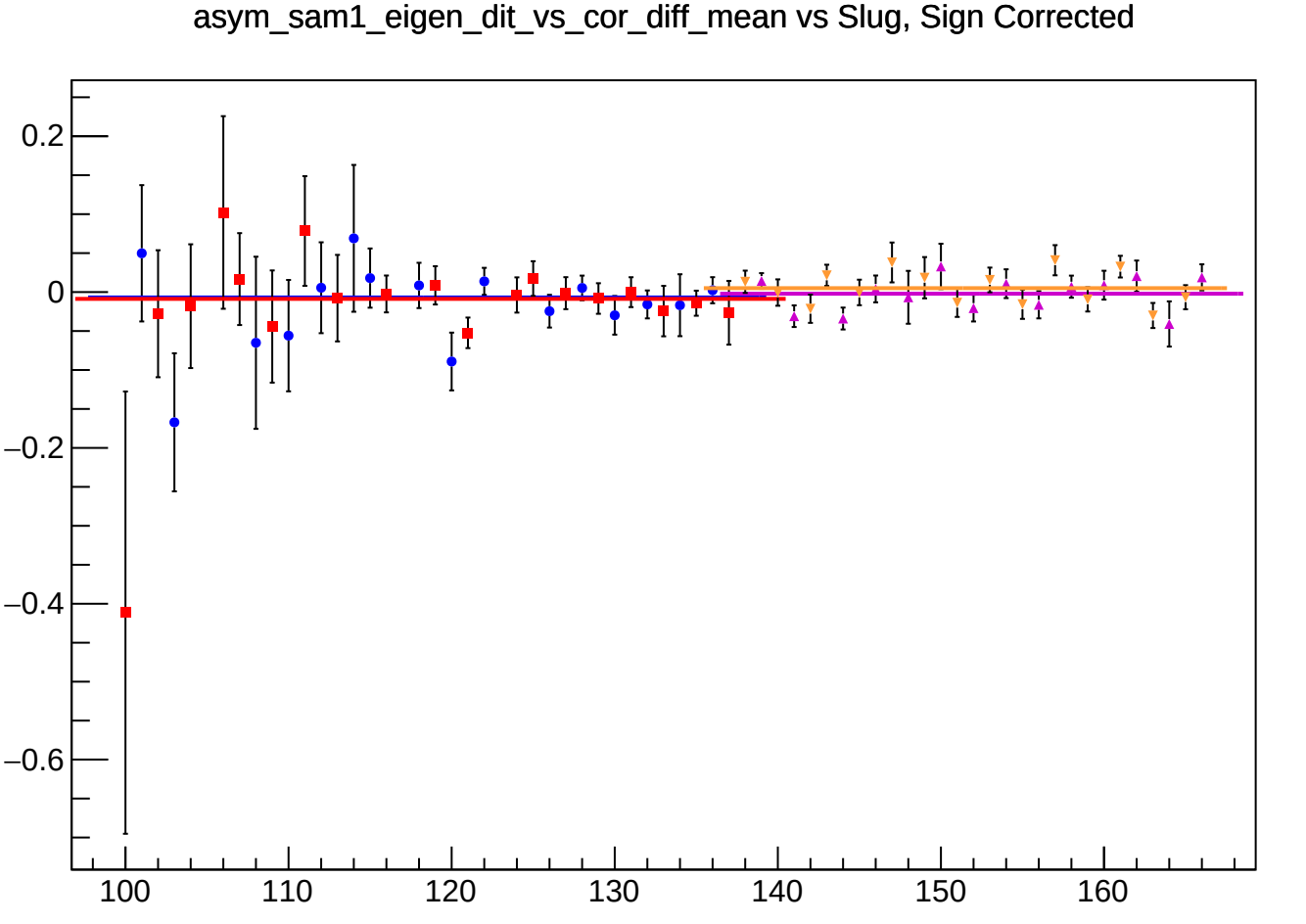
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

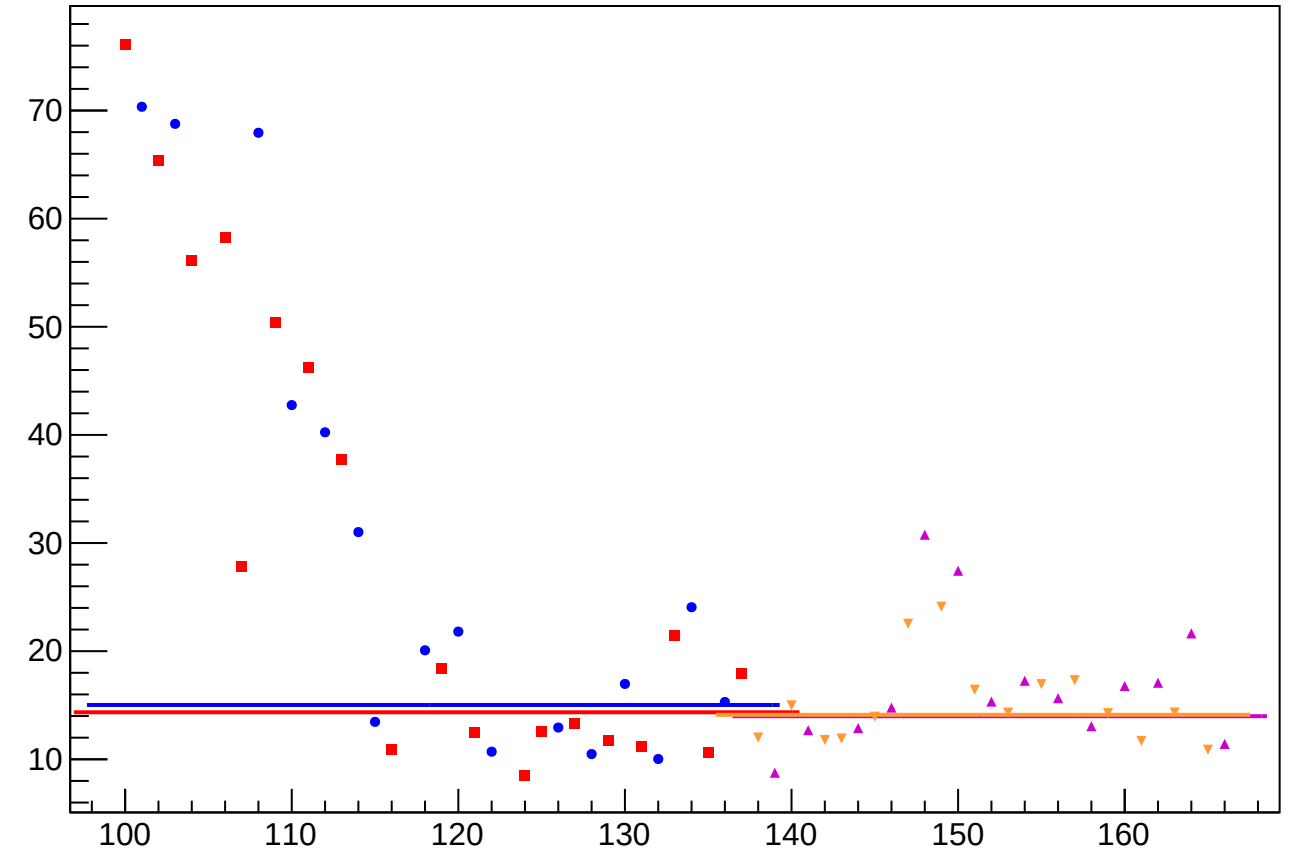
In: 0.000+/-0.000 χ^2/NDF:31.2/29

Out: -0.000+/-0.000 χ^2/NDF:52.5/33

All: 0.000+/-0.000 χ^2/NDF: 83.7/63


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:690178.2/14
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:637450.0/13
Left: 0.001+/-0.000 χ²/NDF: 1327714.2/28
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1593155.6/29
Out: 0.001+/-0.000 χ²/NDF:1152509.3/33
All: 0.001+/-0.000 χ²/NDF: 2749917.5/63


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.004 χ²/NDF:22.3/14
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.002+/-0.004 χ²/NDF:21.4/13
Left: 0.002+/-0.003 χ²/NDF: 45.0/28
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.004+/-0.004 χ²/NDF:36.7/29
Out: 0.001+/-0.004 χ²/NDF:38.1/33
All: -0.001+/-0.003 χ²/NDF: 75.5/63



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.115+/-0.003 χ^2/NDF:916486.9/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874295.8/13

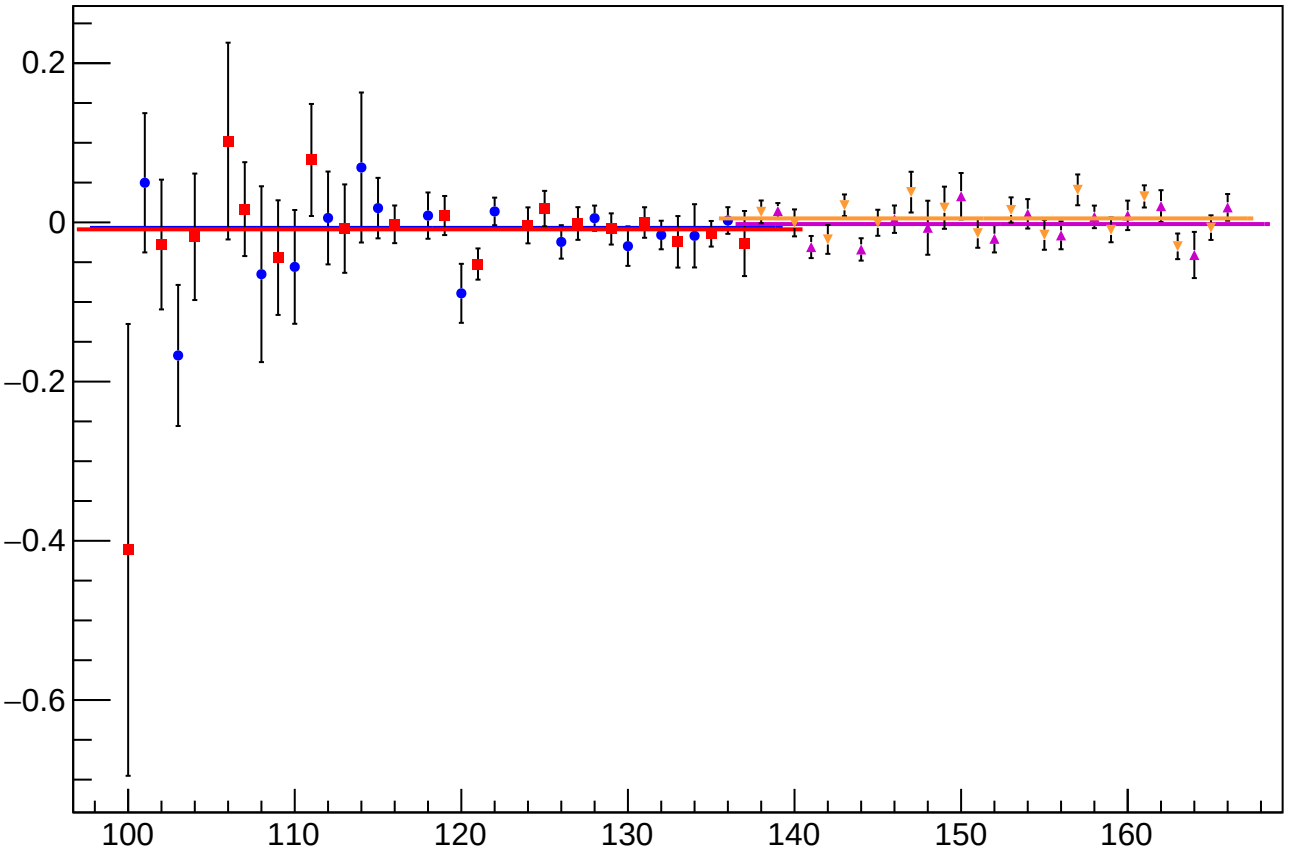
Left: 14.052+/-0.002 χ^2/NDF: 2791656.2/28

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.302+/-0.003 χ^2/NDF:5345764.8/29

Out: 14.188+/-0.003 χ^2/NDF:4547315.1/33

All: 14.243+/-0.002 χ^2/NDF: 9894049.4/63



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.002+/-0.004 χ^2/NDF:21.4/13

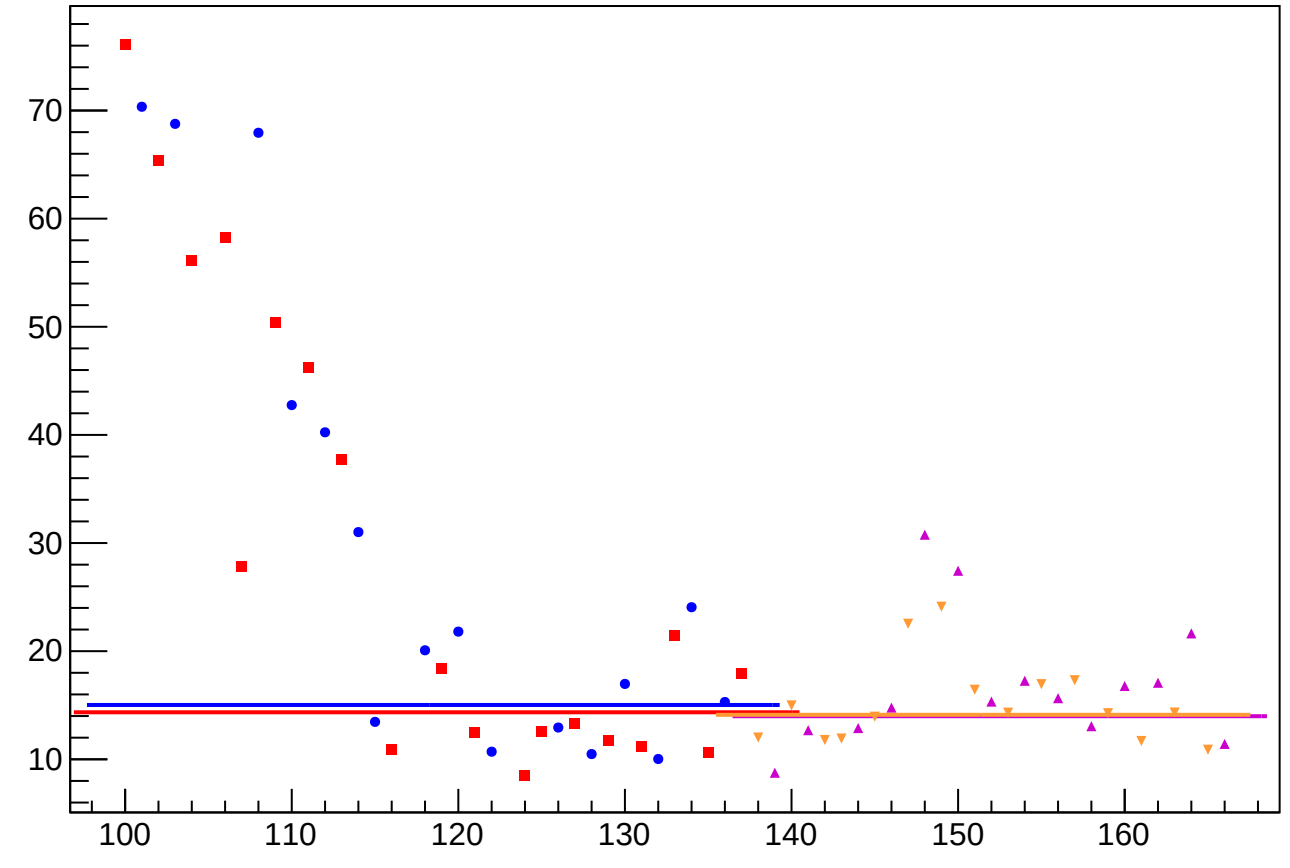
Left: 0.002+/-0.003 χ^2/NDF: 45.0/28

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:36.7/29

Out: 0.001+/-0.004 χ^2/NDF:38.1/33

All: -0.001+/-0.003 χ^2/NDF: 75.5/63



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.115+/-0.003 χ^2/NDF:916486.9/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.985+/-0.003 χ^2/NDF:1874295.8/13

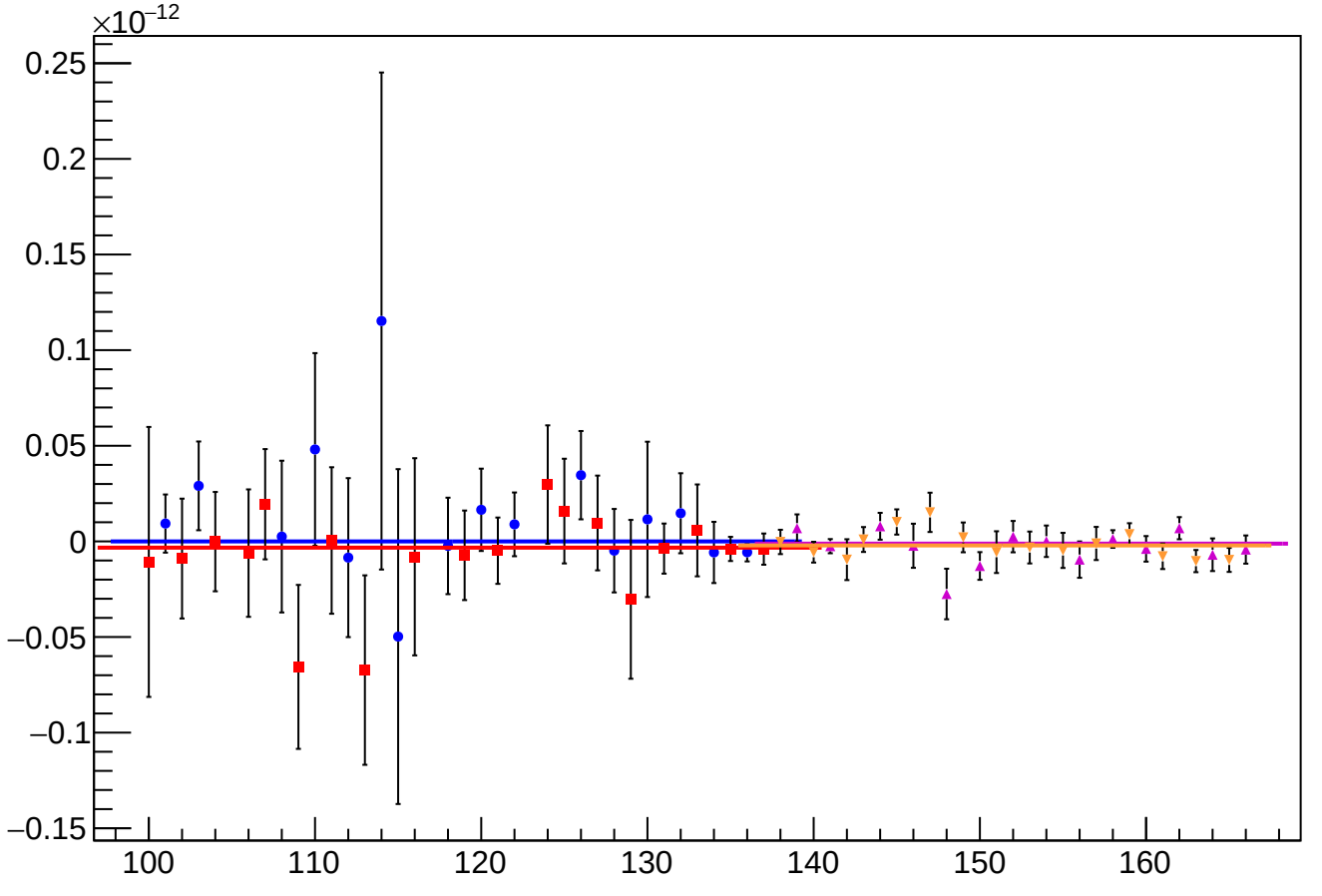
Left: 14.052+/-0.002 χ^2/NDF: 2791656.2/28

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.302+/-0.003 χ^2/NDF:5345764.8/29

Out: 14.188+/-0.003 χ^2/NDF:4547315.1/33

All: 14.243+/-0.002 χ^2/NDF: 9894049.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/13

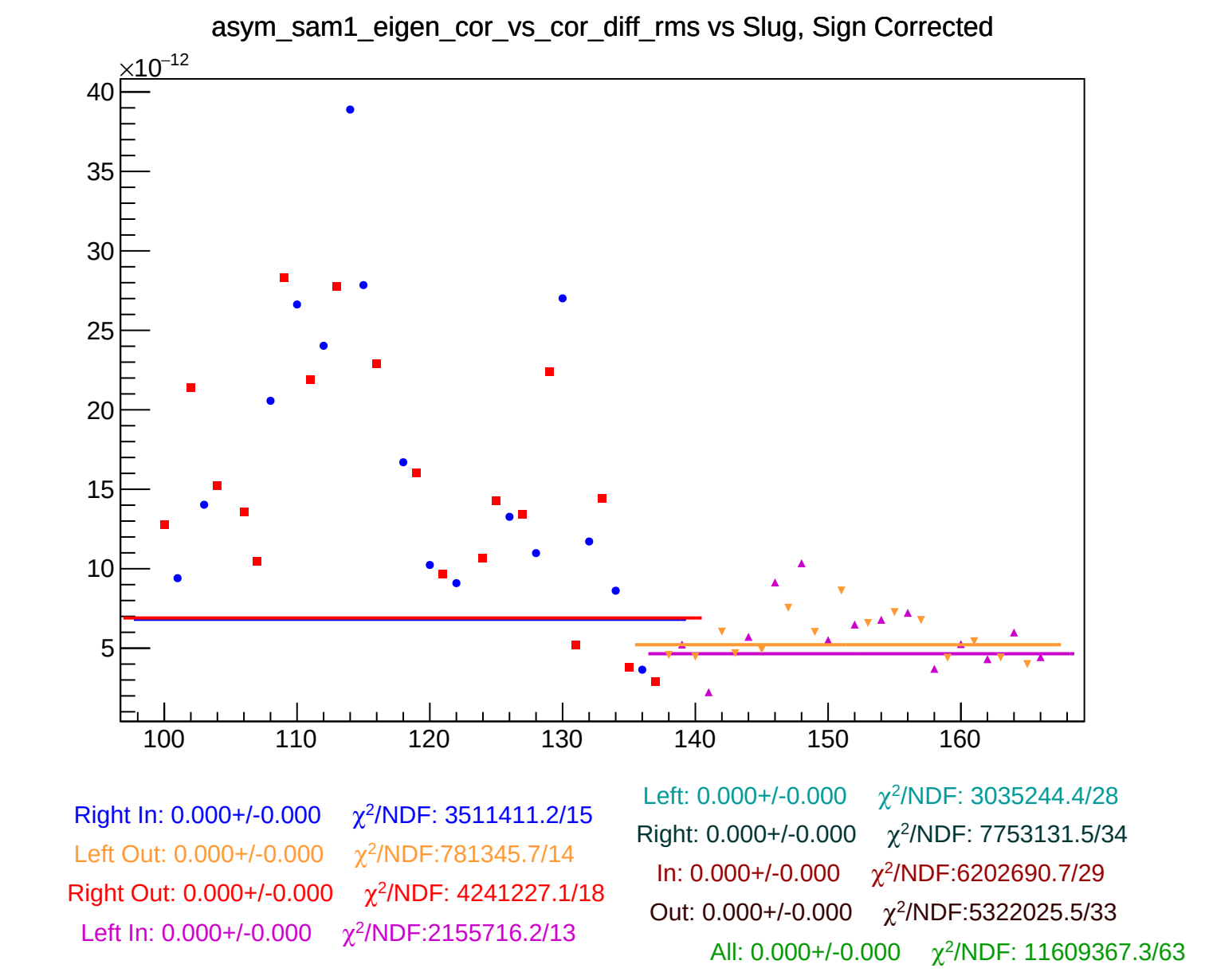
Left: -0.000+/-0.000 χ^2/NDF: 27.0/28

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

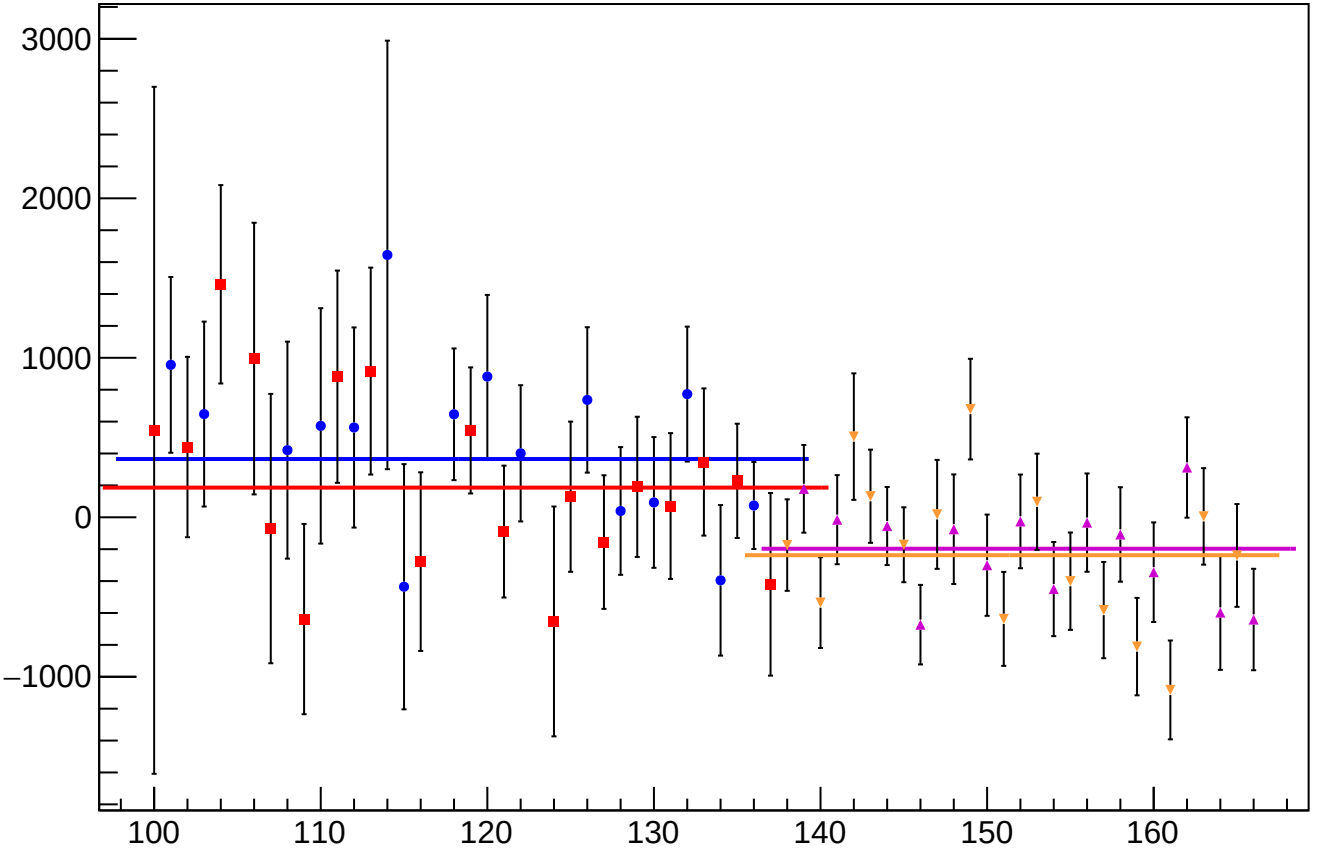
In: -0.000+/-0.000 χ^2/NDF:23.0/29

Out: -0.000+/-0.000 χ^2/NDF:20.3/33

All: -0.000+/-0.000 χ^2/NDF: 43.7/63


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:781345.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2155716.2/13
Left: 0.000+/-0.000 χ²/NDF: 3035244.4/28
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6202690.7/29
Out: 0.000+/-0.000 χ²/NDF:5322025.5/33
All: 0.000+/-0.000 χ²/NDF: 11609367.3/63

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.756+/-77.798 χ^2/NDF:31.6/14

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -197.090+/-79.013 χ^2/NDF:14.0/13

Left: -217.738+/-55.436 χ^2/NDF: 45.7/28

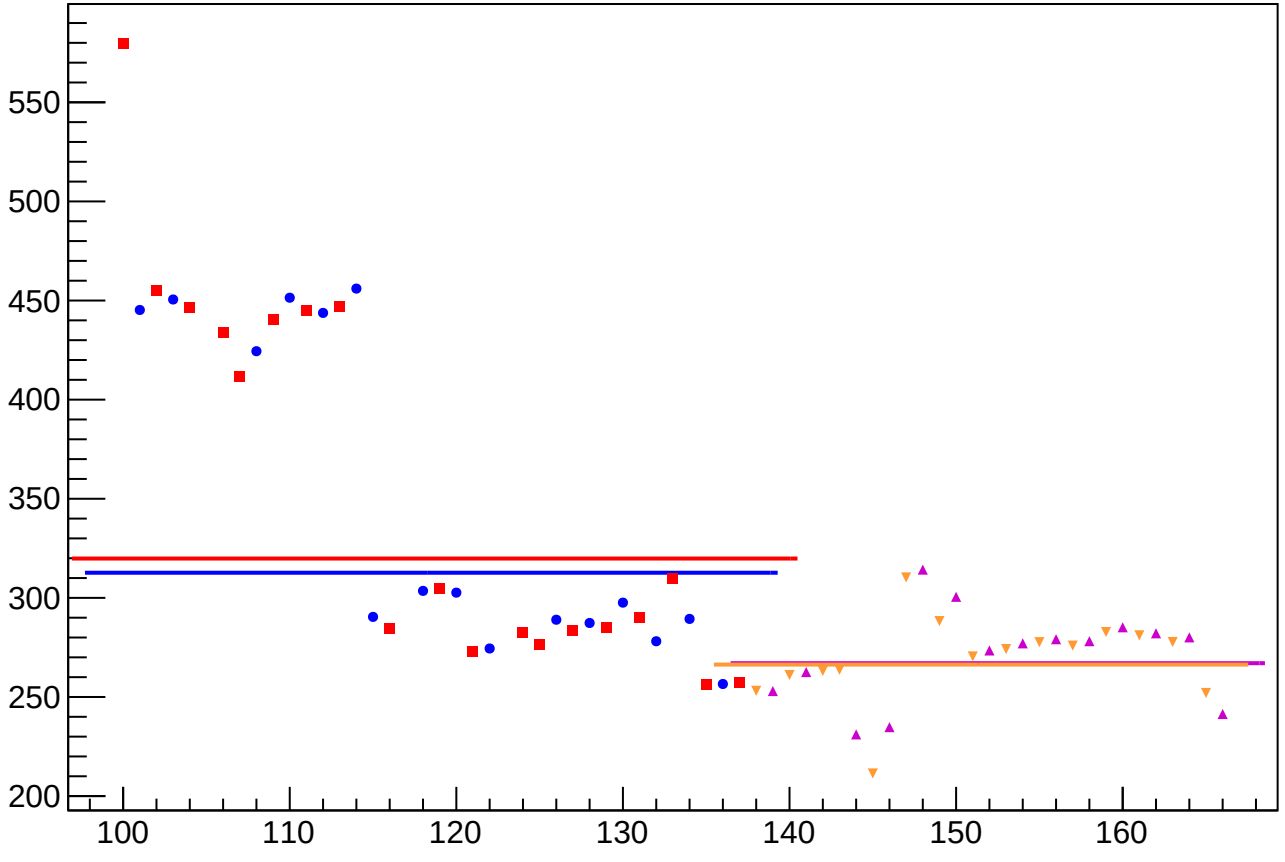
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -24.685+/-65.803 χ^2/NDF:41.0/29

Out: -112.587+/-65.310 χ^2/NDF:55.4/33

All: -68.967+/-46.354 χ^2/NDF: 97.3/63

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

Left: 266.696+/-0.039 χ^2/NDF: 359447.5/28

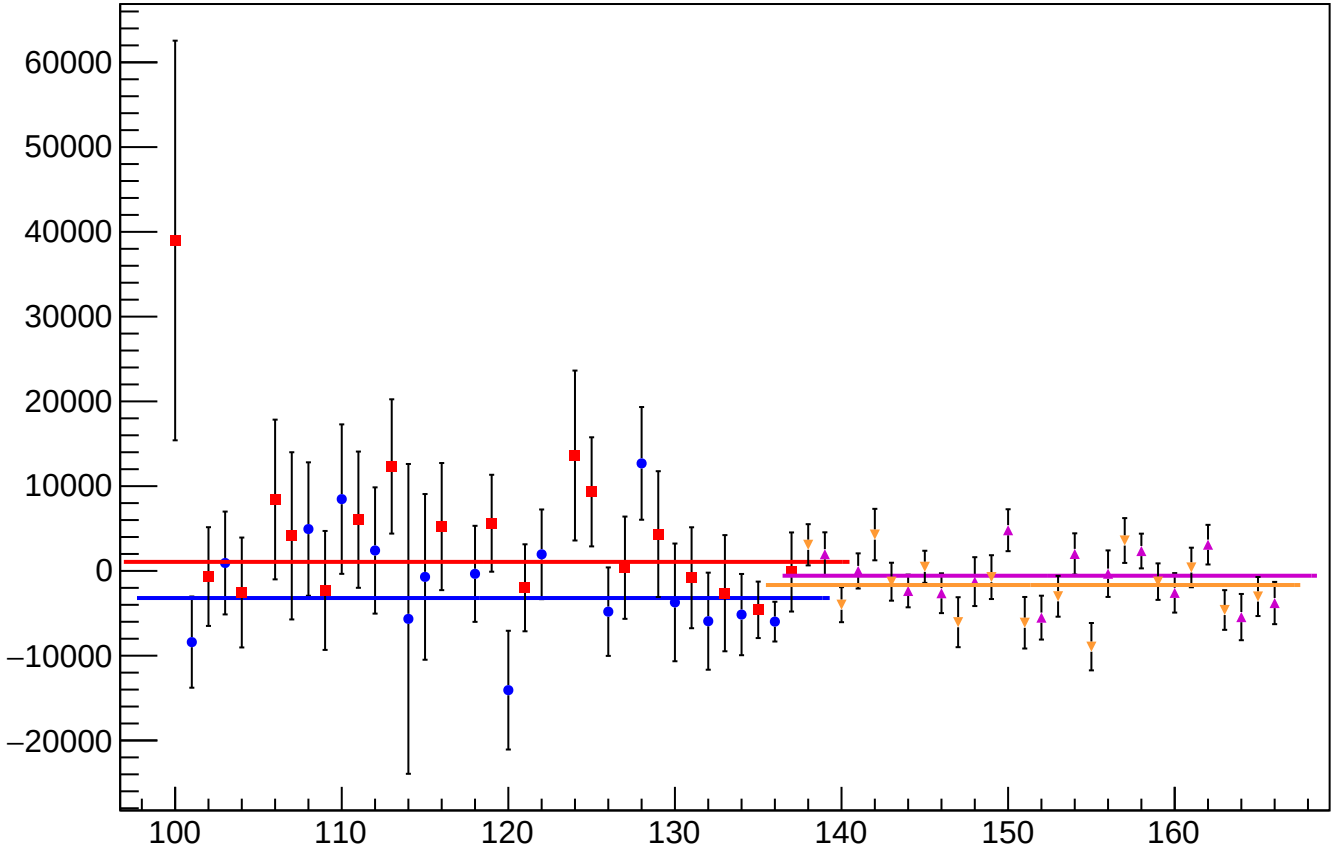
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 281.035+/-0.047 χ^2/NDF:984940.7/29

Out: 282.145+/-0.046 χ^2/NDF:1158077.9/33

All: 281.594+/-0.033 χ^2/NDF: 2143304.8/63

asym_sam2_reg_correction_mean vs Slug, Sign Corrected



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1664.004+/-622.939 χ^2/NDF:28.5/14

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -567.951+/-636.488 χ^2/NDF:22.3/13

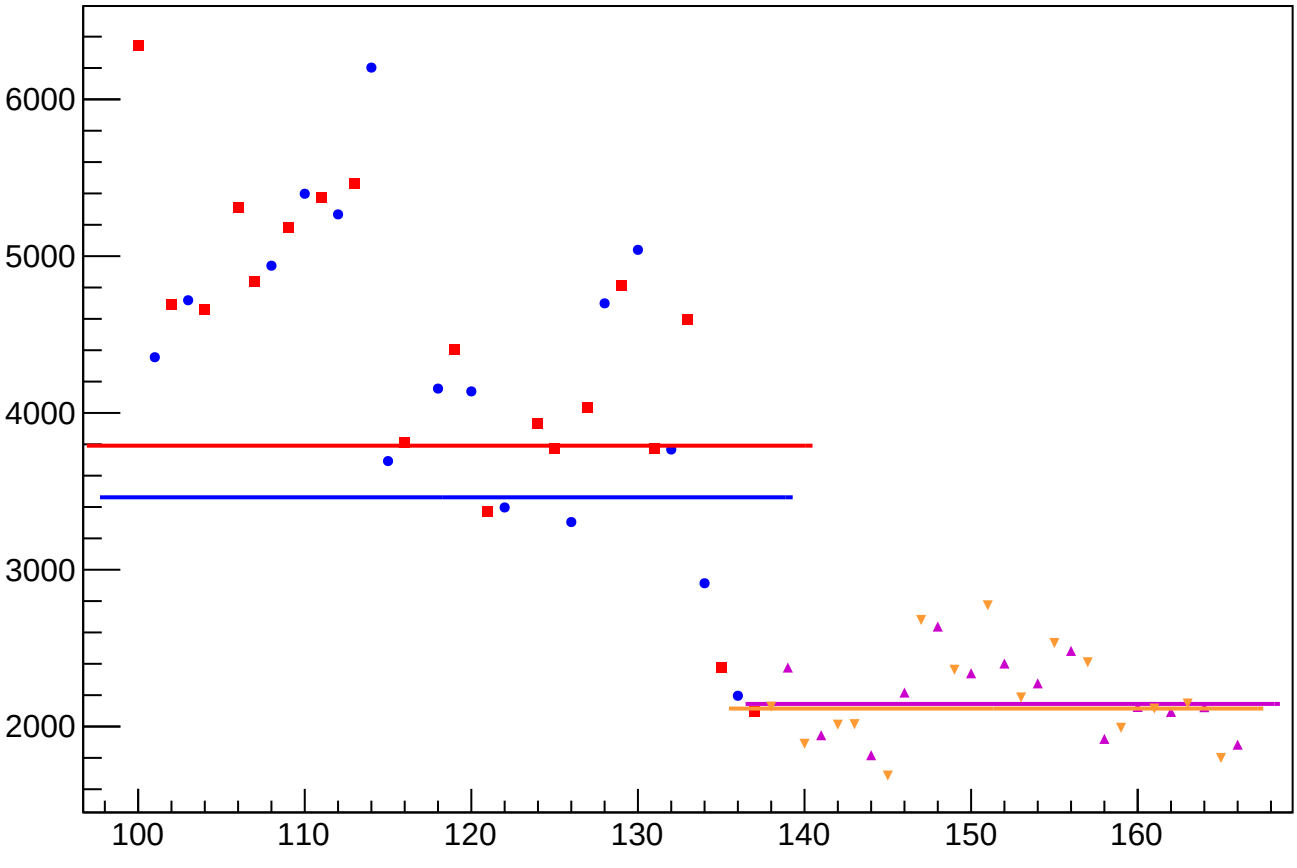
Left: -1127.767+/-445.197 χ^2/NDF: 52.3/28

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1044.185+/-576.004 χ^2/NDF:41.5/29

Out: -1235.328+/-571.942 χ^2/NDF:45.9/33

All: -1140.433+/-405.853 χ^2/NDF: 87.5/63



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2114.664+/-0.440 χ^2/NDF:433123.9/14

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2144.199+/-0.450 χ^2/NDF:267709.7/13

Left: 2129.114+/-0.315 χ^2/NDF: 703033.1/28

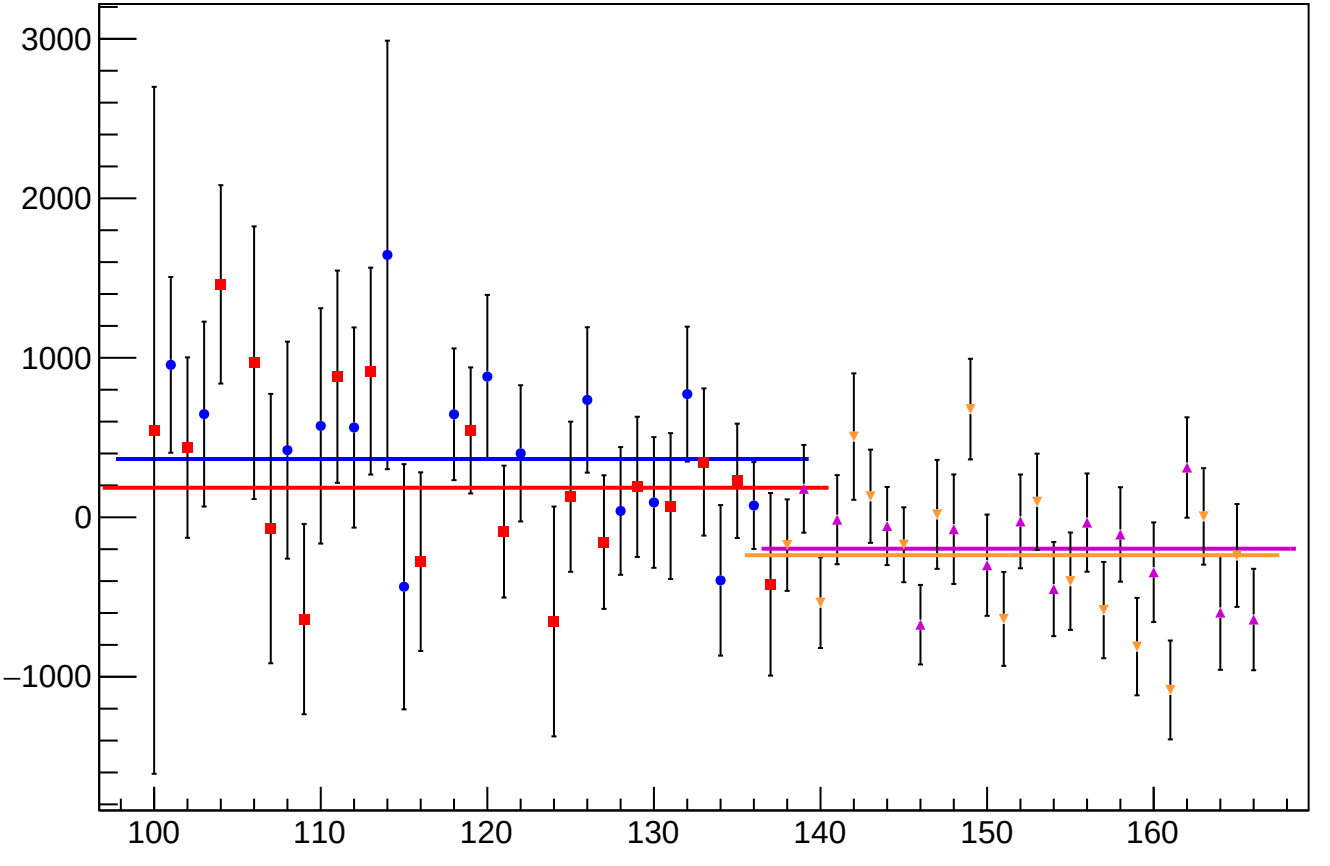
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2382.738+/-0.407 χ^2/NDF:3129090.9/29

Out: 2377.928+/-0.404 χ^2/NDF:3863683.0/33

All: 2380.316+/-0.287 χ^2/NDF: 6992844.1/63

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -197.089+/-79.013 χ^2/NDF:14.0/13

Left: -217.734+/-55.436 χ^2/NDF: 45.7/28

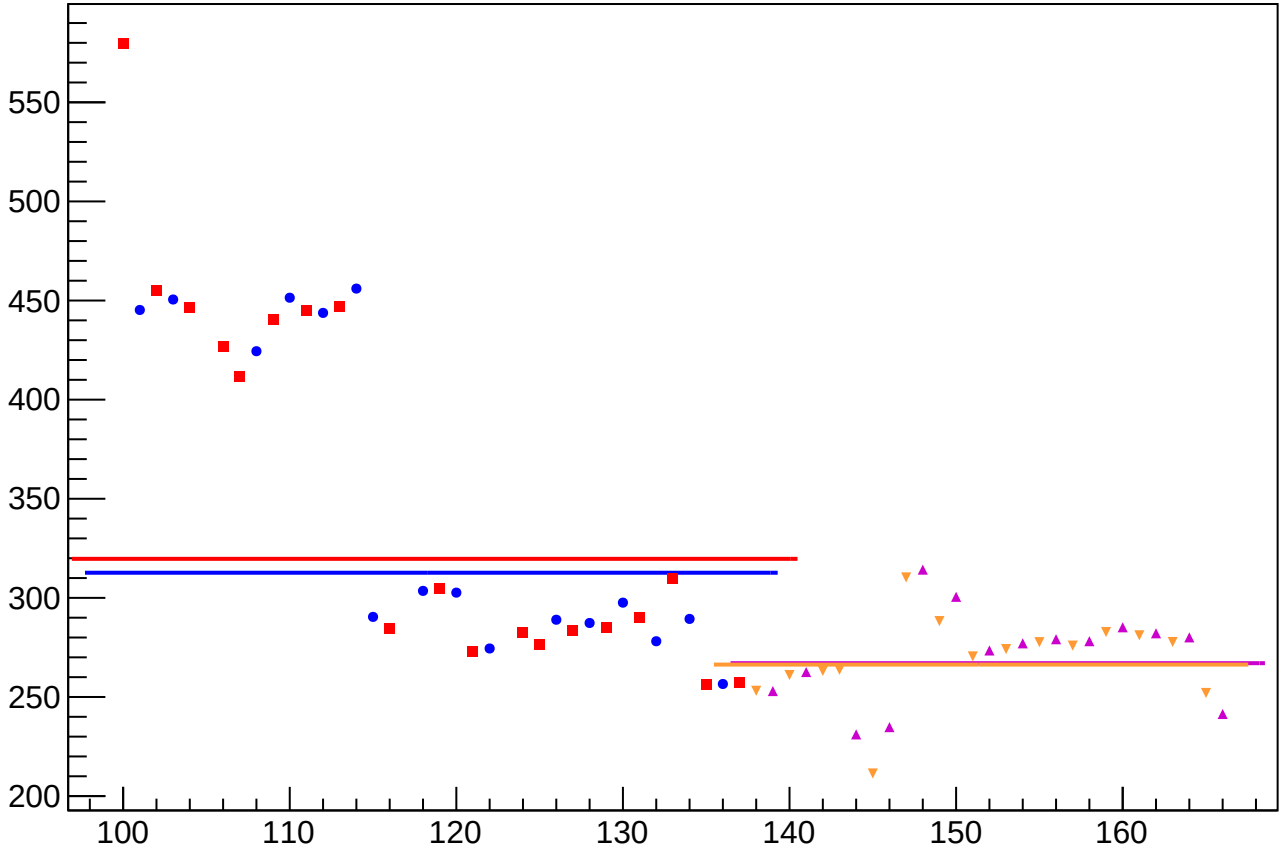
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -24.689+/-65.803 χ^2/NDF:41.0/29

Out: -112.838+/-65.312 χ^2/NDF:55.2/33

All: -69.094+/-46.355 χ^2/NDF: 97.2/63

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

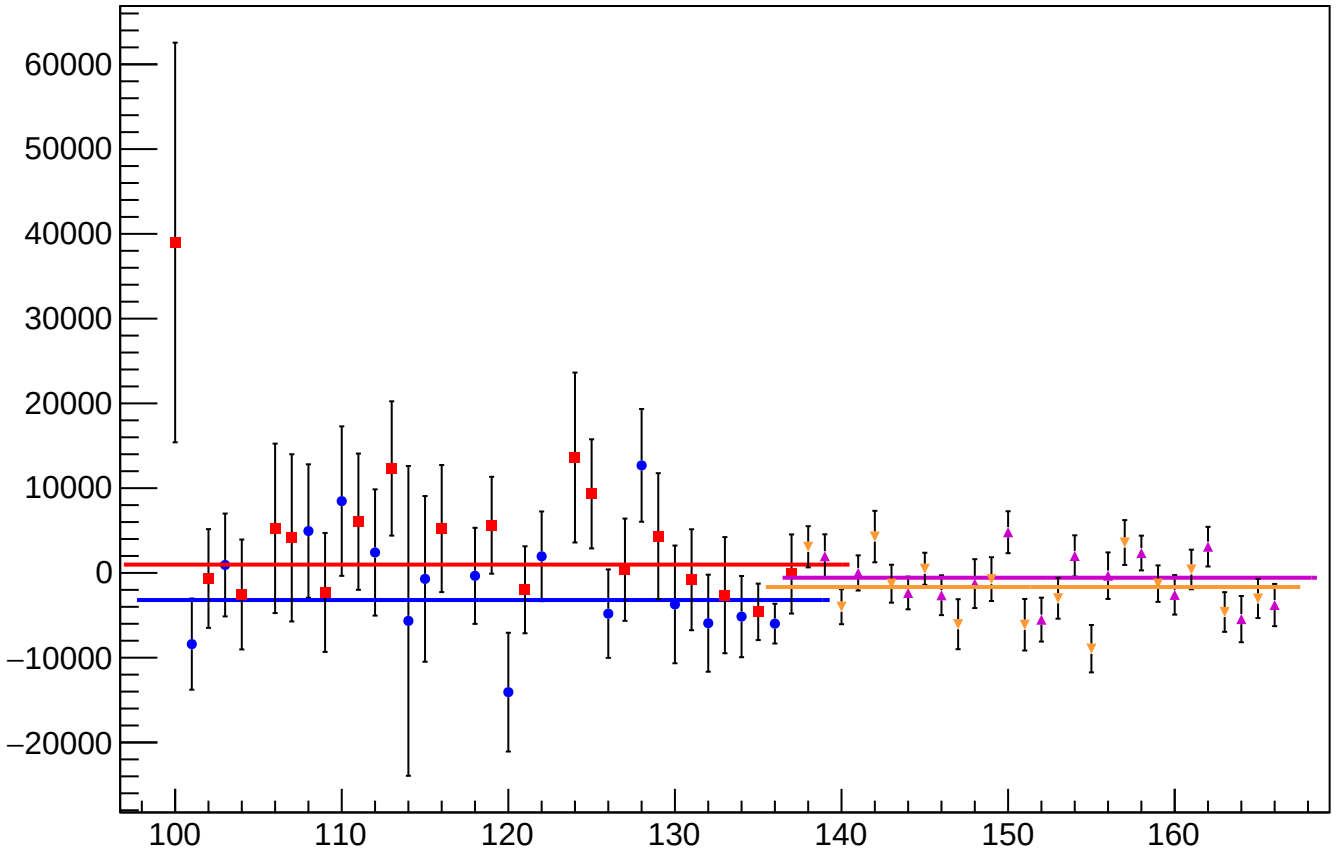
Left: 266.696+/-0.039 χ^2/NDF: 359447.5/28

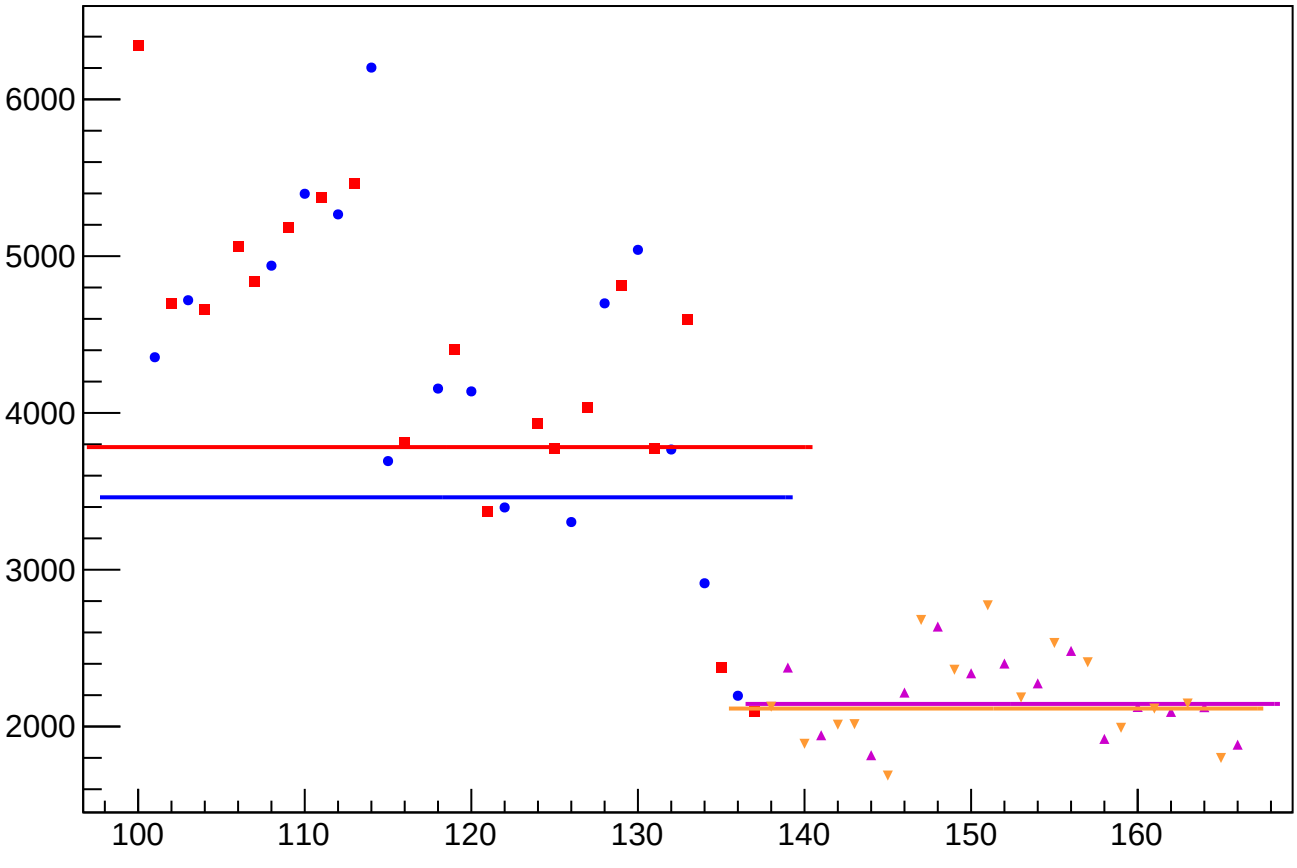
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.035+/-0.047 χ^2/NDF:984942.2/29

Out: 282.099+/-0.046 χ^2/NDF:1152333.5/33

All: 281.571+/-0.033 χ^2/NDF: 2137538.9/63


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1663.995+/-622.939 χ²/NDF:28.5/14
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -567.939+/-636.488 χ²/NDF:22.3/13
Left: -1127.757+/-445.197 χ²/NDF: 52.3/28
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1044.161+/-576.005 χ²/NDF:41.5/29
Out: -1249.607+/-572.063 χ²/NDF:45.3/33
All: -1147.590+/-405.896 χ²/NDF: 86.9/63



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2114.665+/-0.440 χ^2/NDF:433124.4/14

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2144.199+/-0.450 χ^2/NDF:267710.2/13

Left: 2129.114+/-0.315 χ^2/NDF: 703034.1/28

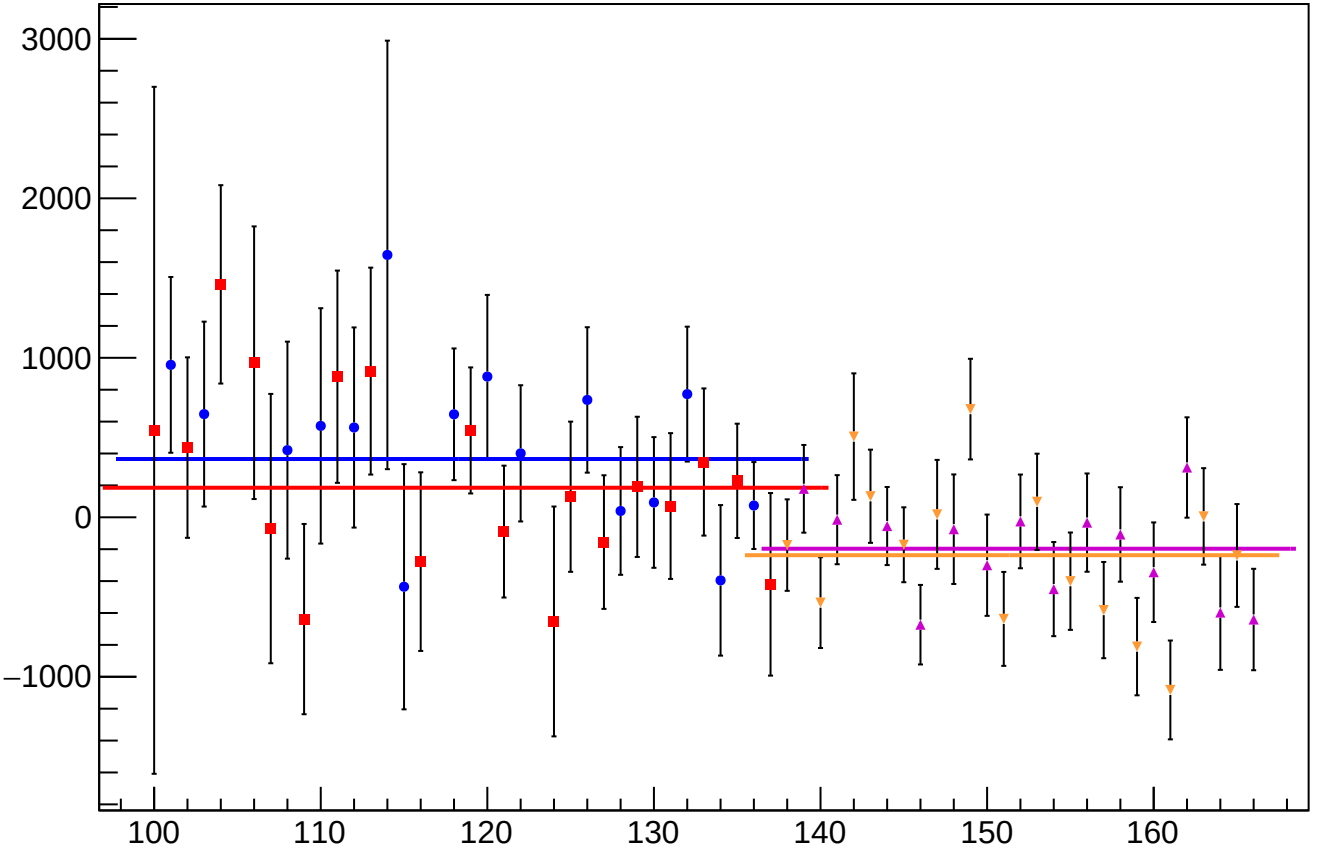
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2382.738+/-0.407 χ^2/NDF:3129110.5/29

Out: 2375.918+/-0.405 χ^2/NDF:3814740.1/33

All: 2379.305+/-0.287 χ^2/NDF: 6943991.9/63

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -197.089+/-79.013 χ^2/NDF:14.0/13

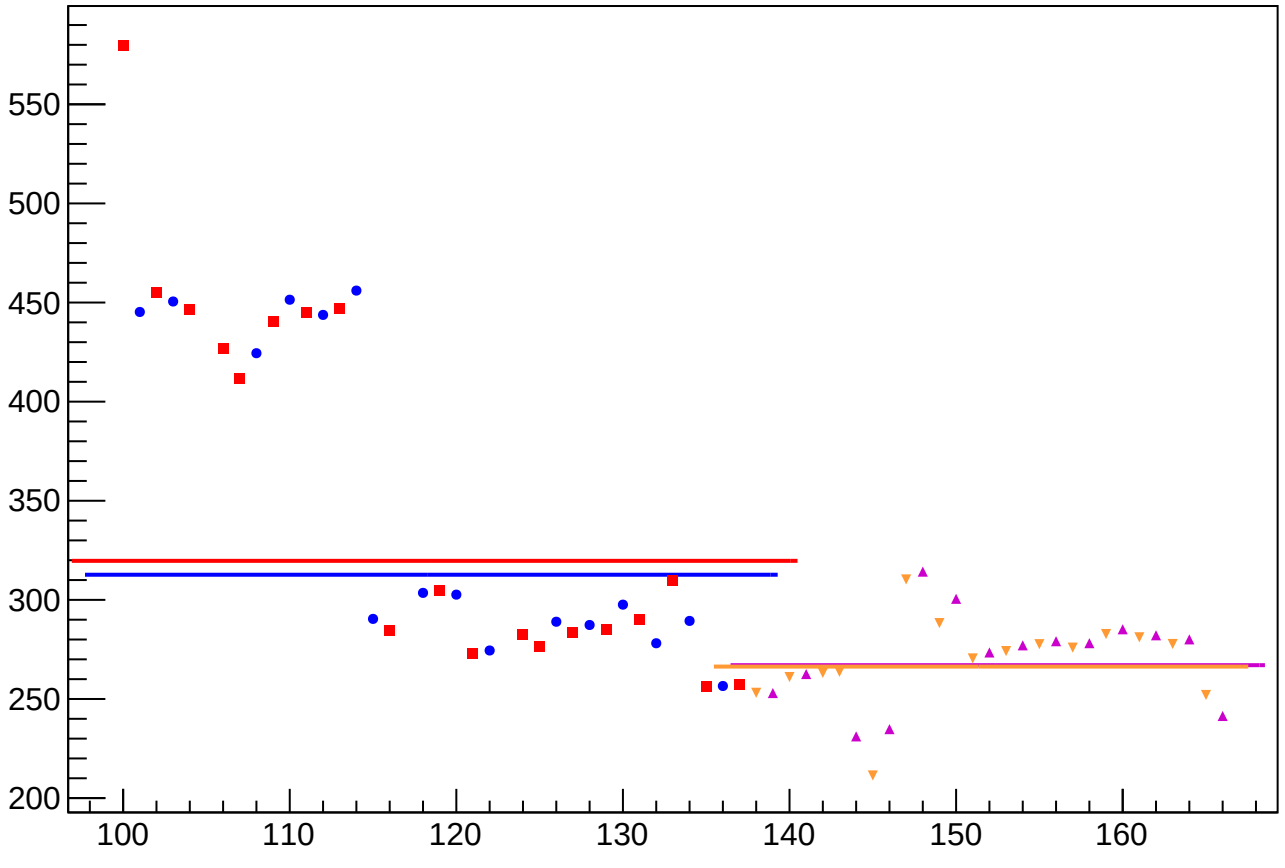
Left: -217.734+/-55.436 χ^2/NDF: 45.7/28

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -24.689+/-65.803 χ^2/NDF:41.0/29

Out: -112.838+/-65.312 χ^2/NDF:55.2/33

All: -69.094+/-46.355 χ^2/NDF: 97.2/63



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.053+/-0.056 χ^2/NDF:178348.6/13

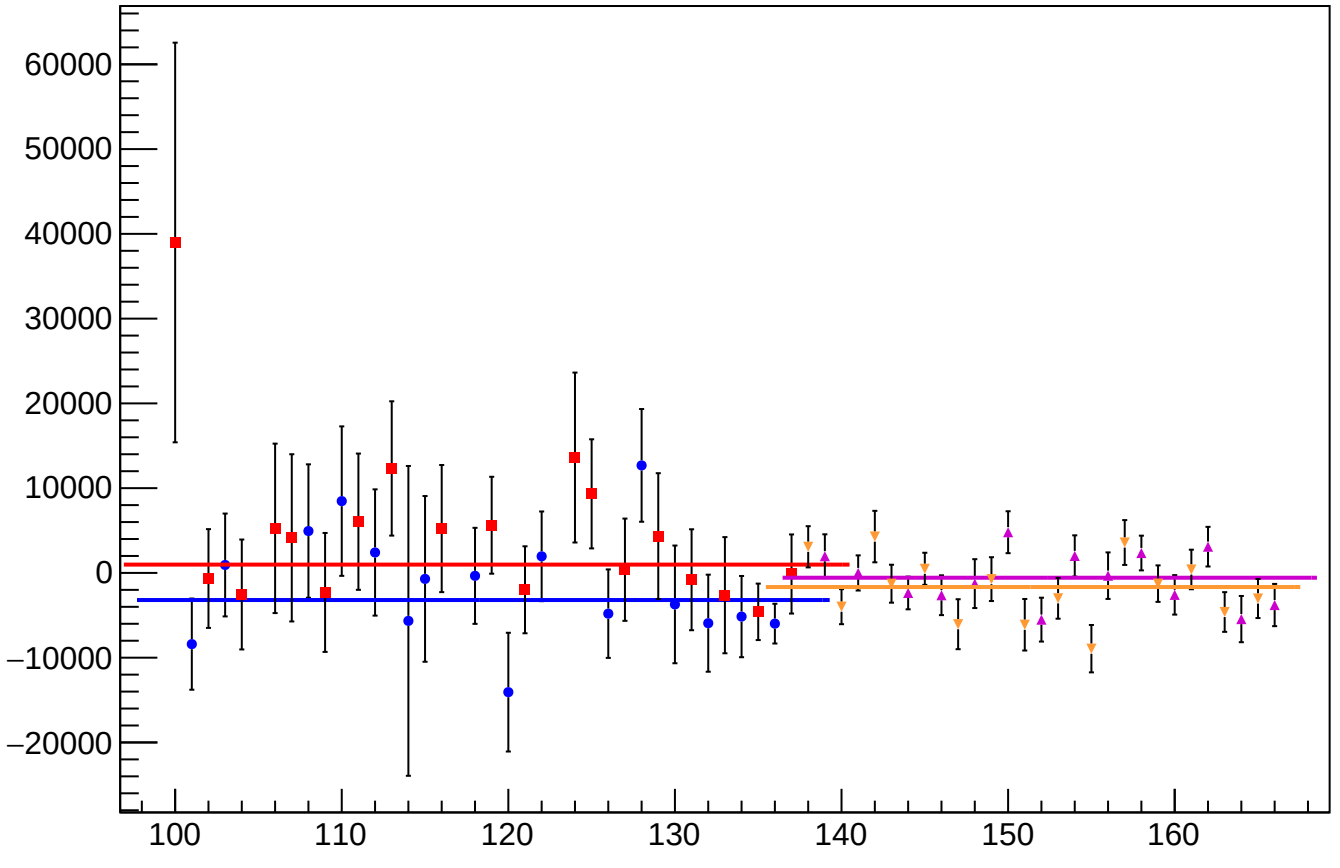
Left: 266.696+/-0.039 χ^2/NDF: 359447.5/28

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.035+/-0.047 χ^2/NDF:984942.2/29

Out: 282.099+/-0.046 χ^2/NDF:1152333.5/33

All: 281.571+/-0.033 χ^2/NDF: 2137538.9/63



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1663.995+/-622.939 χ^2/NDF:28.5/14

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -567.939+/-636.488 χ^2/NDF:22.3/13

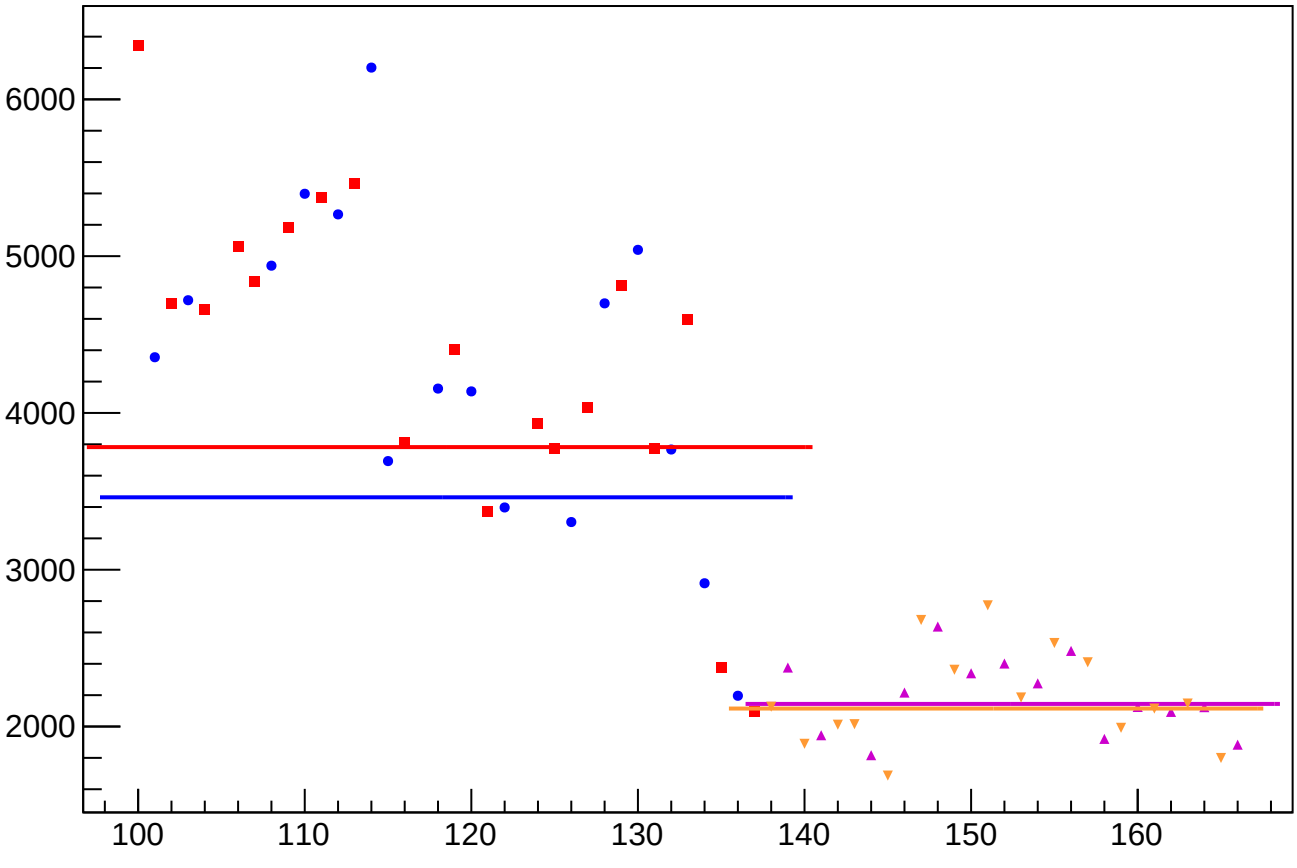
Left: -1127.757+/-445.197 χ^2/NDF: 52.3/28

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1044.161+/-576.005 χ^2/NDF:41.5/29

Out: -1249.607+/-572.063 χ^2/NDF:45.3/33

All: -1147.590+/-405.896 χ^2/NDF: 86.9/63



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2114.665+/-0.440 χ^2/NDF:433124.4/14

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2144.199+/-0.450 χ^2/NDF:267710.2/13

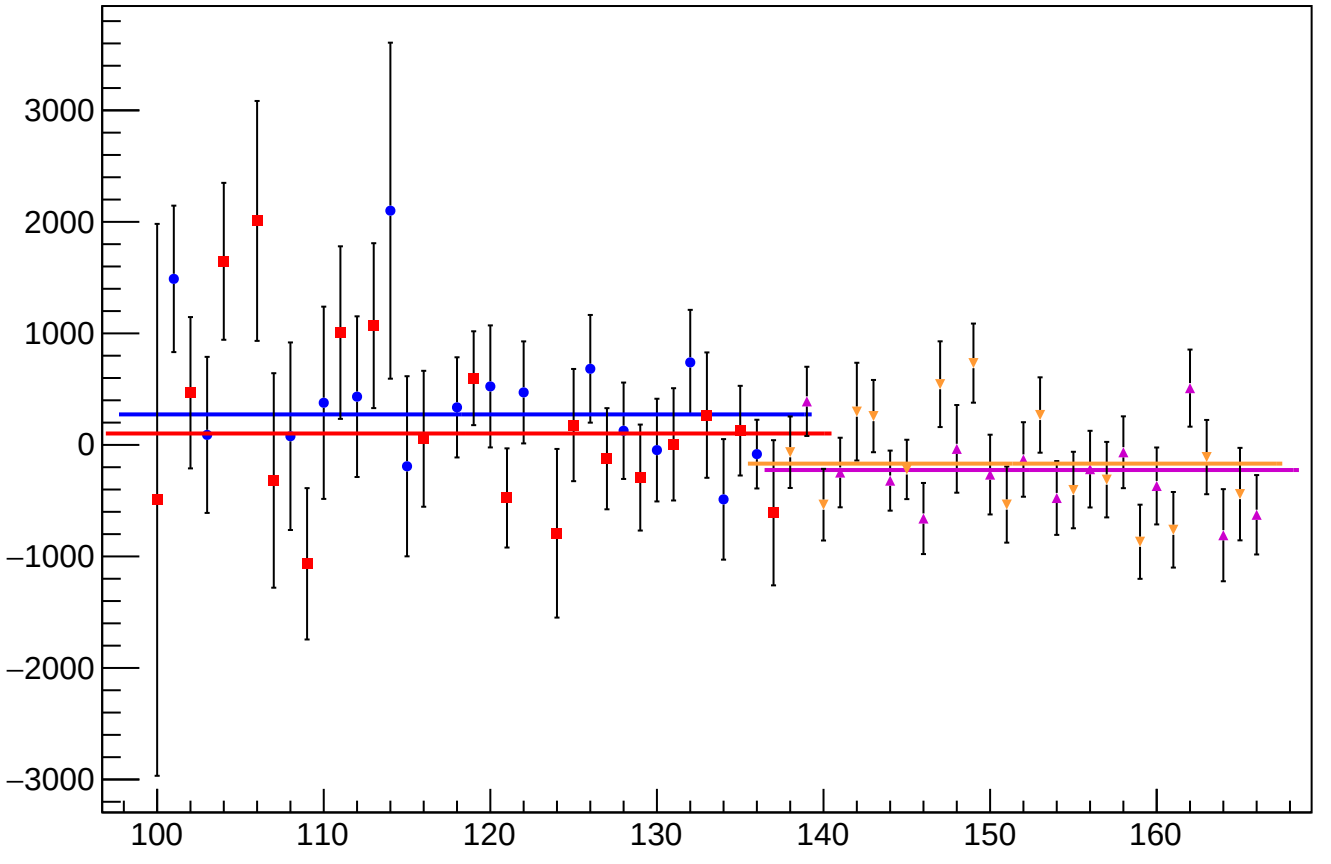
Left: 2129.114+/-0.315 χ^2/NDF: 703034.1/28

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2382.738+/-0.407 χ^2/NDF:3129110.5/29

Out: 2375.918+/-0.405 χ^2/NDF:3814740.1/33

All: 2379.305+/-0.287 χ^2/NDF: 6943991.9/63



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -167.882+/-87.657 χ^2/NDF:25.6/14

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -225.189+/-89.337 χ^2/NDF:15.0/13

Left: -195.991+/-62.568 χ^2/NDF: 40.9/28

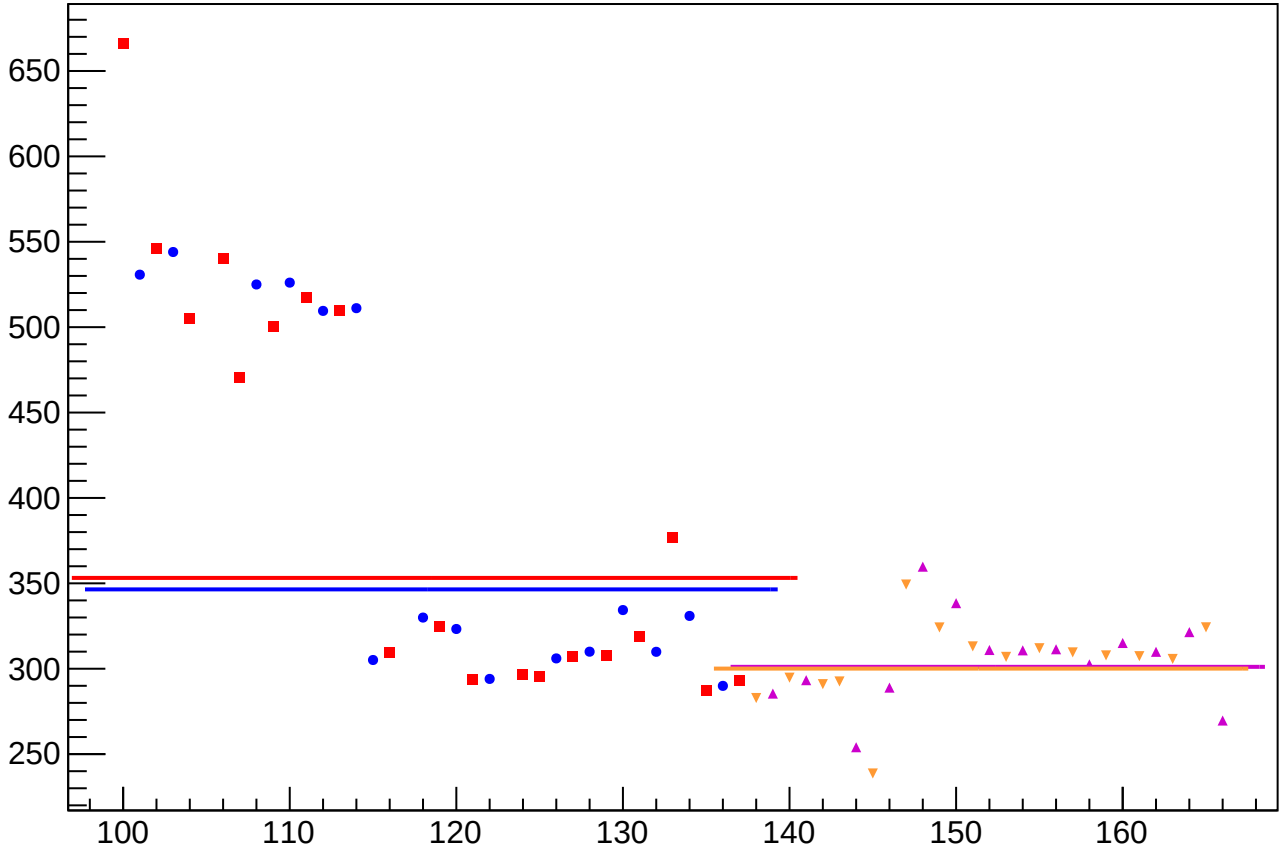
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -69.372+/-74.079 χ^2/NDF:36.2/29

Out: -86.559+/-73.291 χ^2/NDF:49.8/33

All: -78.057+/-52.101 χ^2/NDF: 86.1/63

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 300.075+/-0.062 χ^2/NDF:173844.6/14

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 301.104+/-0.063 χ^2/NDF:166962.9/13

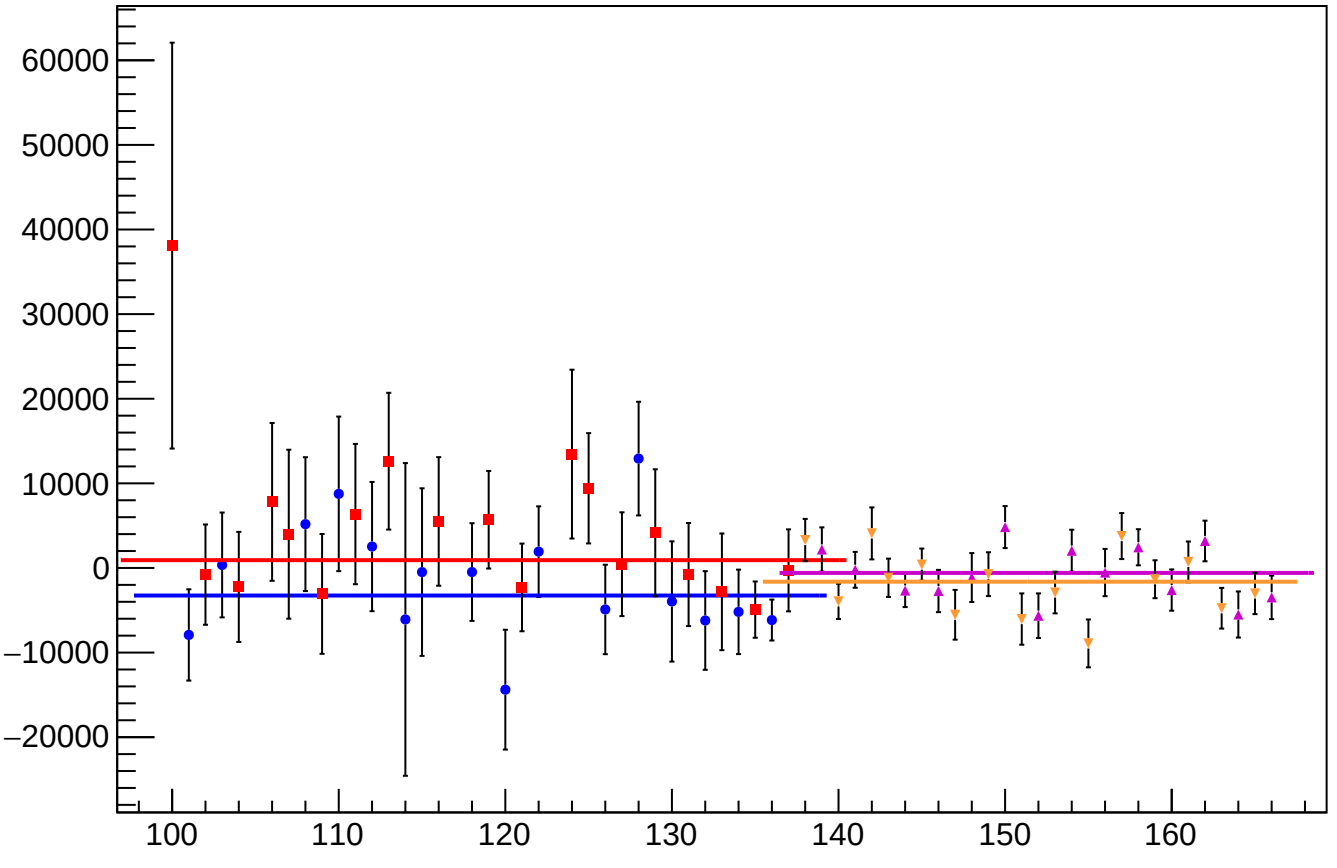
Left: 300.580+/-0.044 χ^2/NDF: 340942.8/28

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 315.272+/-0.052 χ^2/NDF:1096738.2/29

Out: 316.054+/-0.052 χ^2/NDF:1261083.3/33

All: 315.667+/-0.037 χ^2/NDF: 2357934.2/63



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1622.750+/-635.043 χ^2/NDF:27.6/14

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -585.455+/-651.734 χ^2/NDF:22.3/13

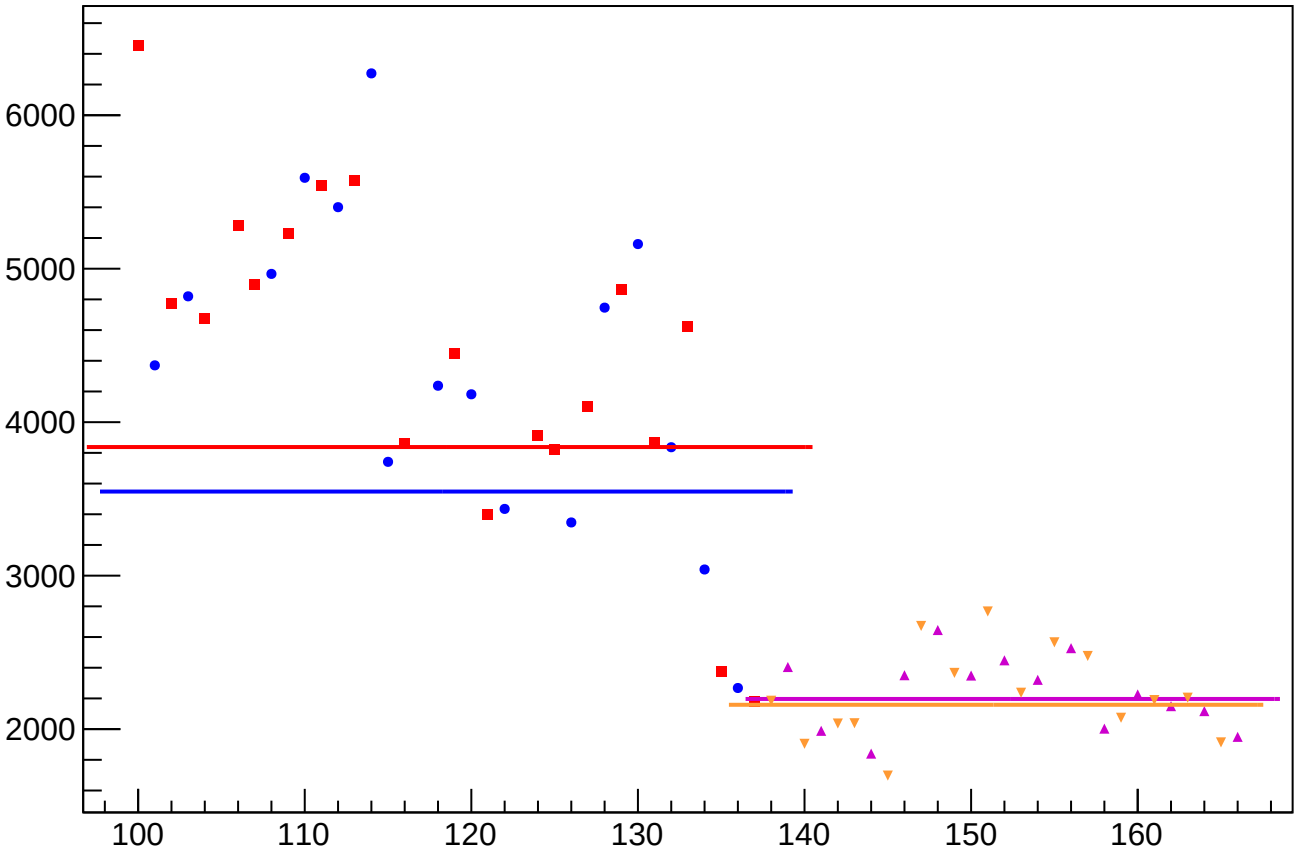
Left: -1117.556+/-454.830 χ^2/NDF: 51.2/28

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1070.604+/-589.640 χ^2/NDF:41.4/29

Out: -1218.367+/-582.387 χ^2/NDF:44.8/33

All: -1145.400+/-414.350 χ^2/NDF: 86.2/63



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2158.586+/-0.449 χ^2/NDF:406070.1/14

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2196.562+/-0.461 χ^2/NDF:250598.3/13

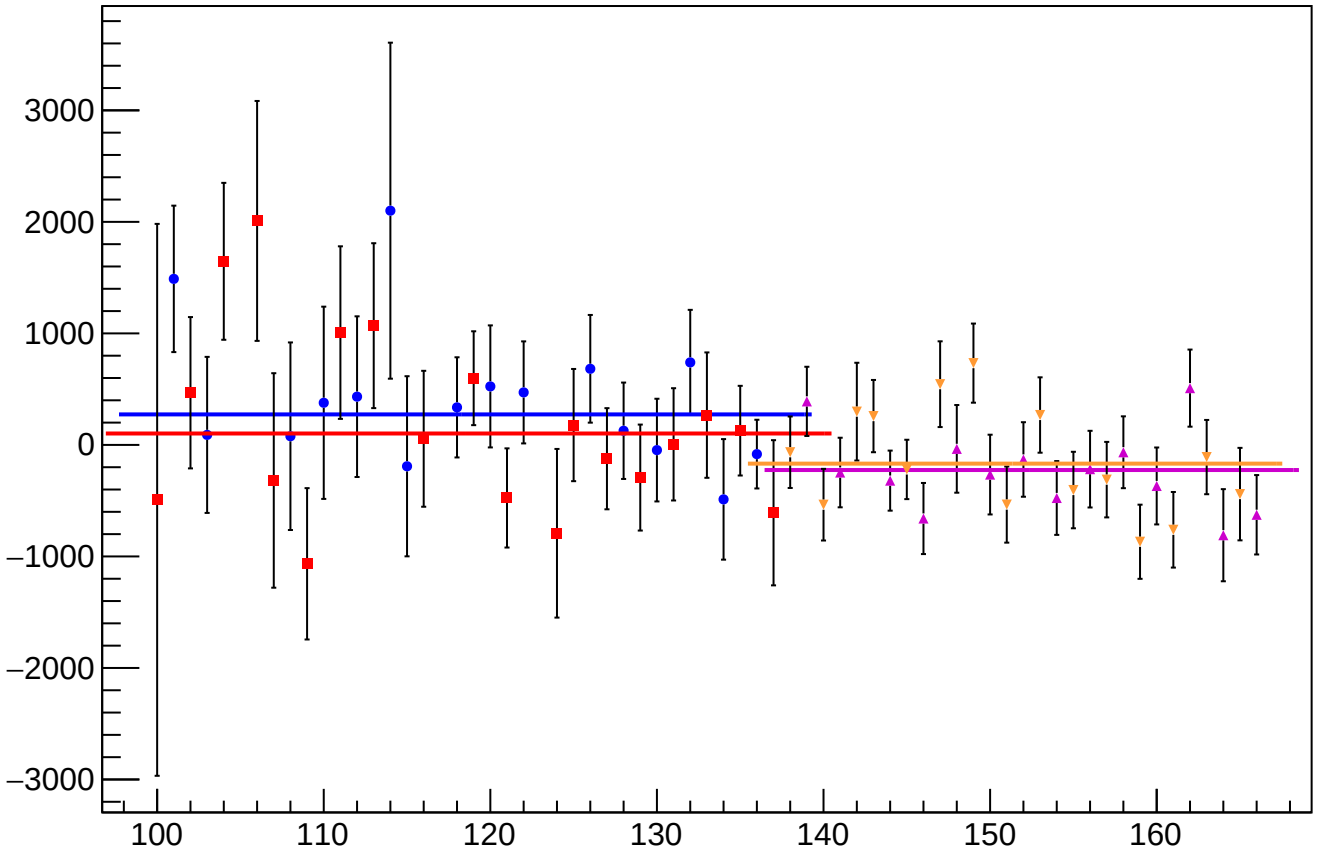
Left: 2177.081+/-0.322 χ^2/NDF: 660151.7/28

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2441.807+/-0.417 χ^2/NDF:3069627.6/29

Out: 2425.539+/-0.412 χ^2/NDF:3785256.6/33

All: 2433.572+/-0.293 χ^2/NDF: 6855654.8/63



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -167.881+/-87.657 χ^2/NDF:25.6/14

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -225.194+/-89.337 χ^2/NDF:15.0/13

Left: -195.994+/-62.568 χ^2/NDF: 40.9/28

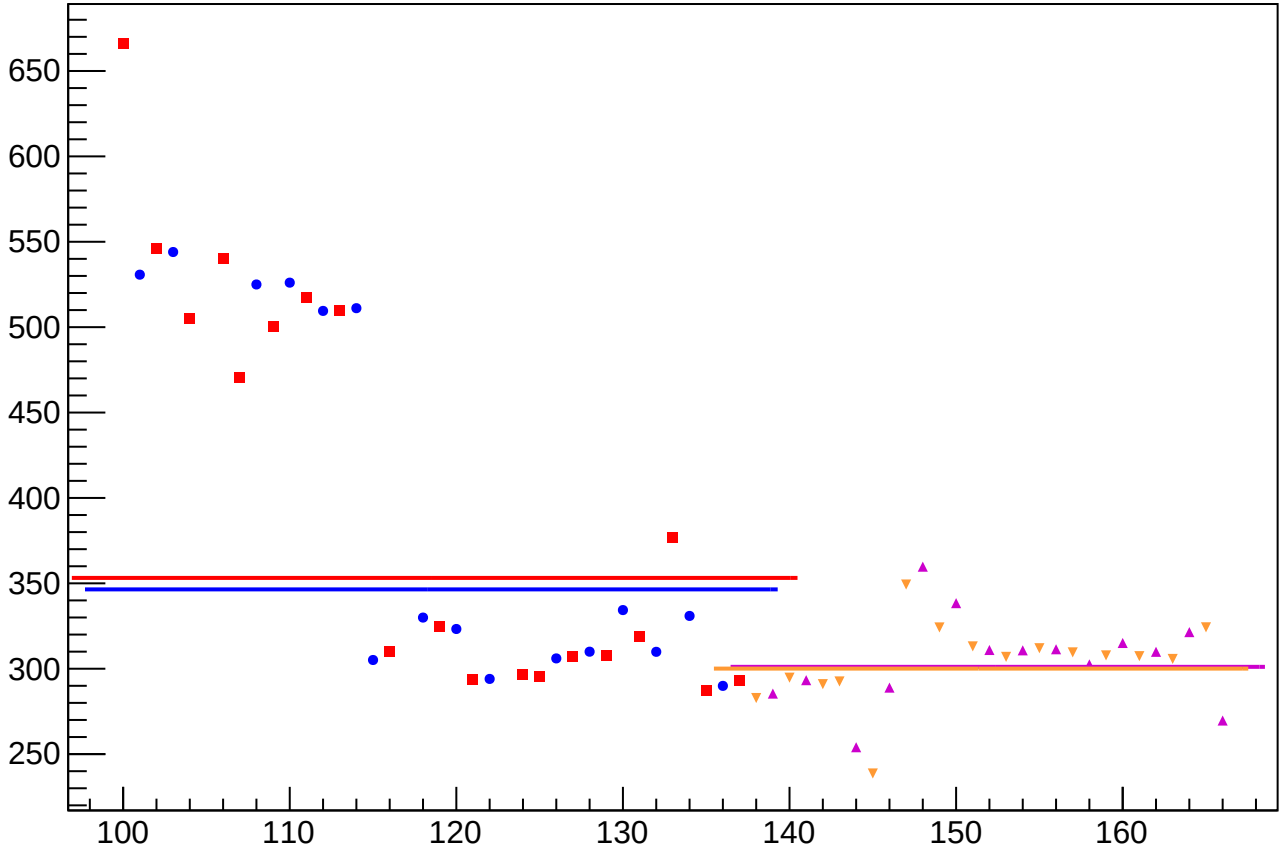
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -69.373+/-74.079 χ^2/NDF:36.2/29

Out: -86.559+/-73.291 χ^2/NDF:49.8/33

All: -78.057+/-52.101 χ^2/NDF: 86.1/63

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 300.075+/-0.062 χ^2/NDF:173847.8/14

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 301.104+/-0.063 χ^2/NDF:166966.0/13

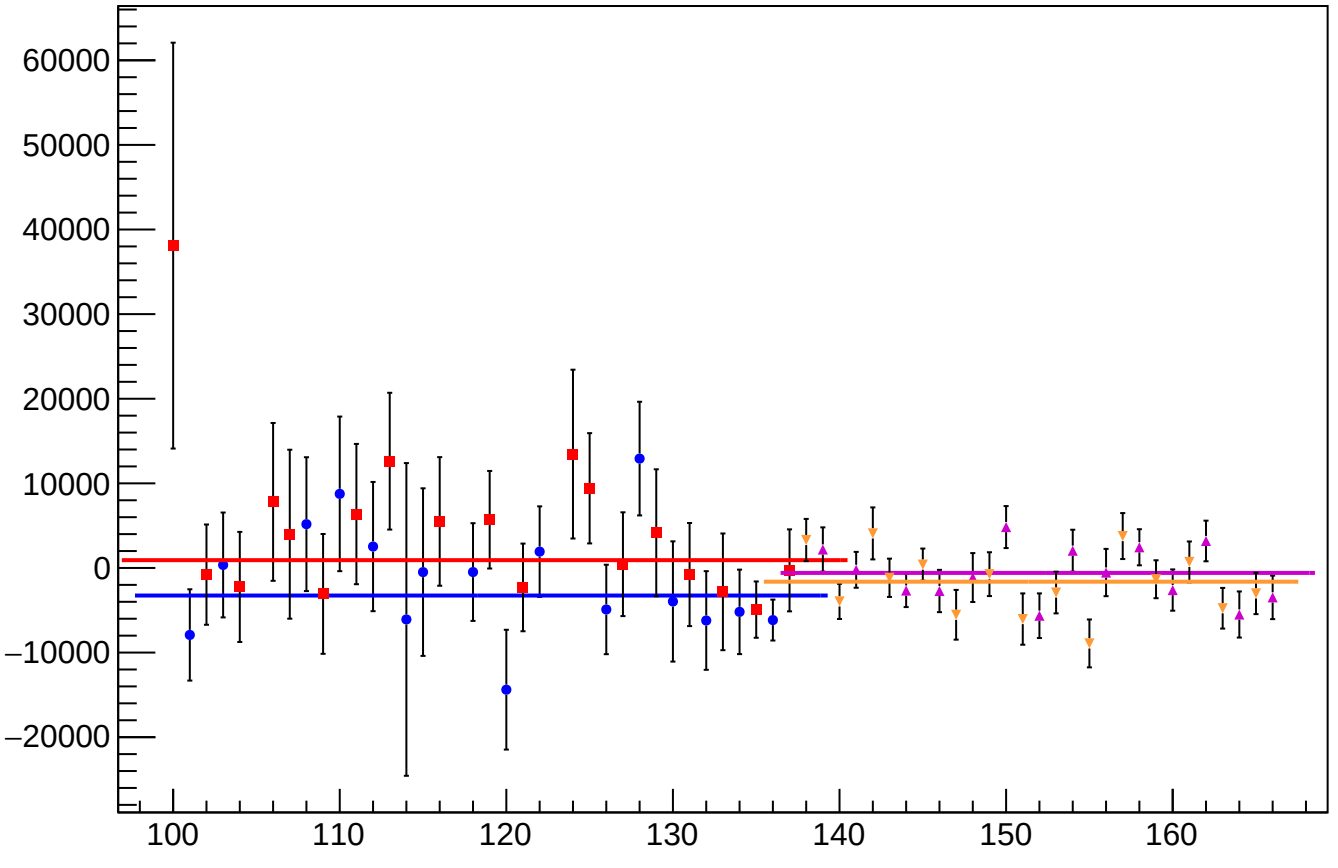
Left: 300.580+/-0.044 χ^2/NDF: 340949.1/28

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 315.271+/-0.052 χ^2/NDF:1096720.1/29

Out: 316.054+/-0.052 χ^2/NDF:1261065.2/33

All: 315.667+/-0.037 χ^2/NDF: 2357898.2/63



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1622.746+/-635.043 χ^2/NDF:27.6/14

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -585.455+/-651.734 χ^2/NDF:22.3/13

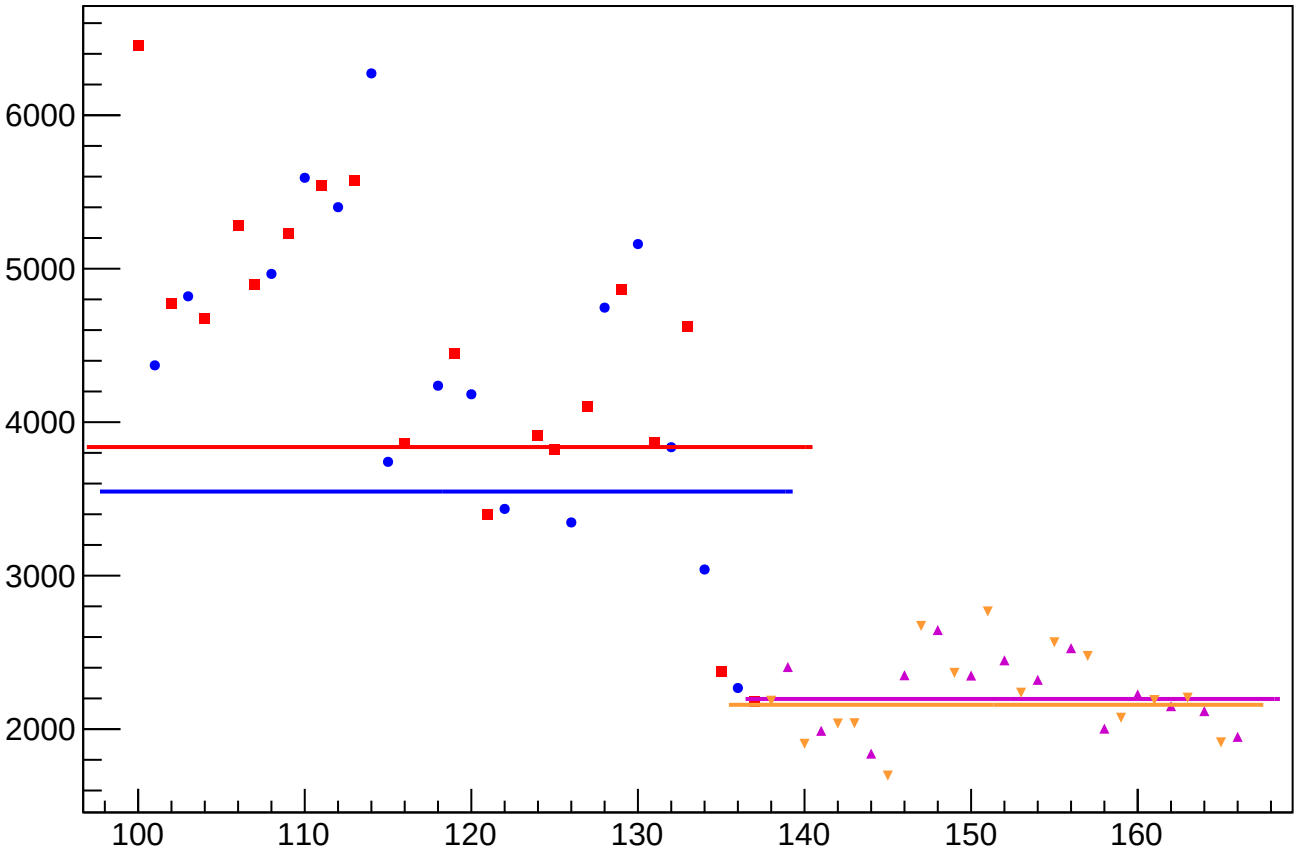
Left: -1117.554+/-454.830 χ^2/NDF: 51.2/28

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1070.603+/-589.640 χ^2/NDF:41.4/29

Out: -1218.362+/-582.387 χ^2/NDF:44.8/33

All: -1145.397+/-414.350 χ^2/NDF: 86.2/63



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2158.585+/-0.449 χ^2/NDF:406076.5/14

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2196.561+/-0.461 χ^2/NDF:250599.8/13

Left: 2177.081+/-0.322 χ^2/NDF: 660159.6/28

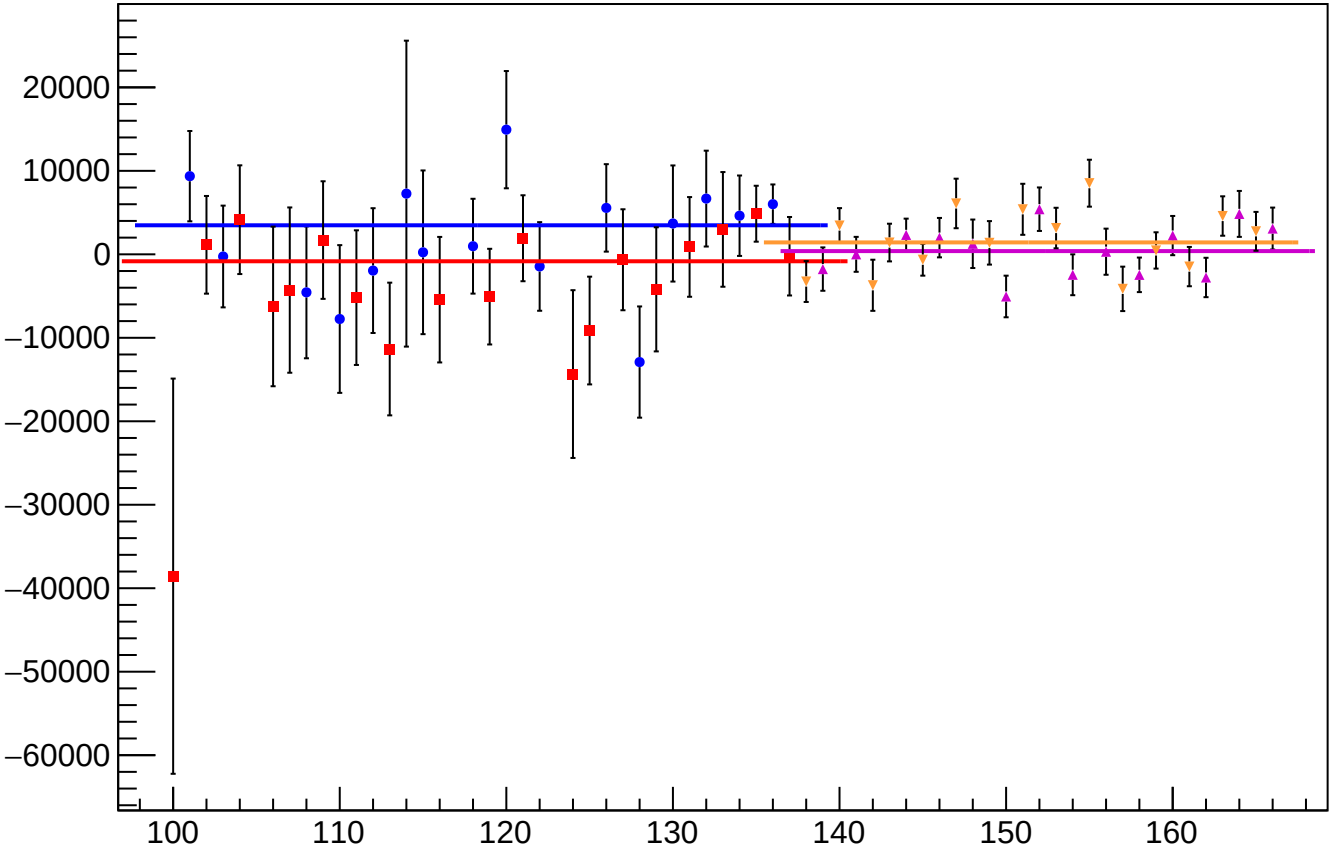
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2441.806+/-0.417 χ^2/NDF:3069612.3/29

Out: 2425.538+/-0.412 χ^2/NDF:3785248.6/33

All: 2433.572+/-0.293 χ^2/NDF: 6855631.5/63

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1427.454+/-628.032 χ^2/NDF:27.8/14

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 386.591+/-641.619 χ^2/NDF:20.2/13

Left: 918.160+/-448.812 χ^2/NDF: 49.3/28

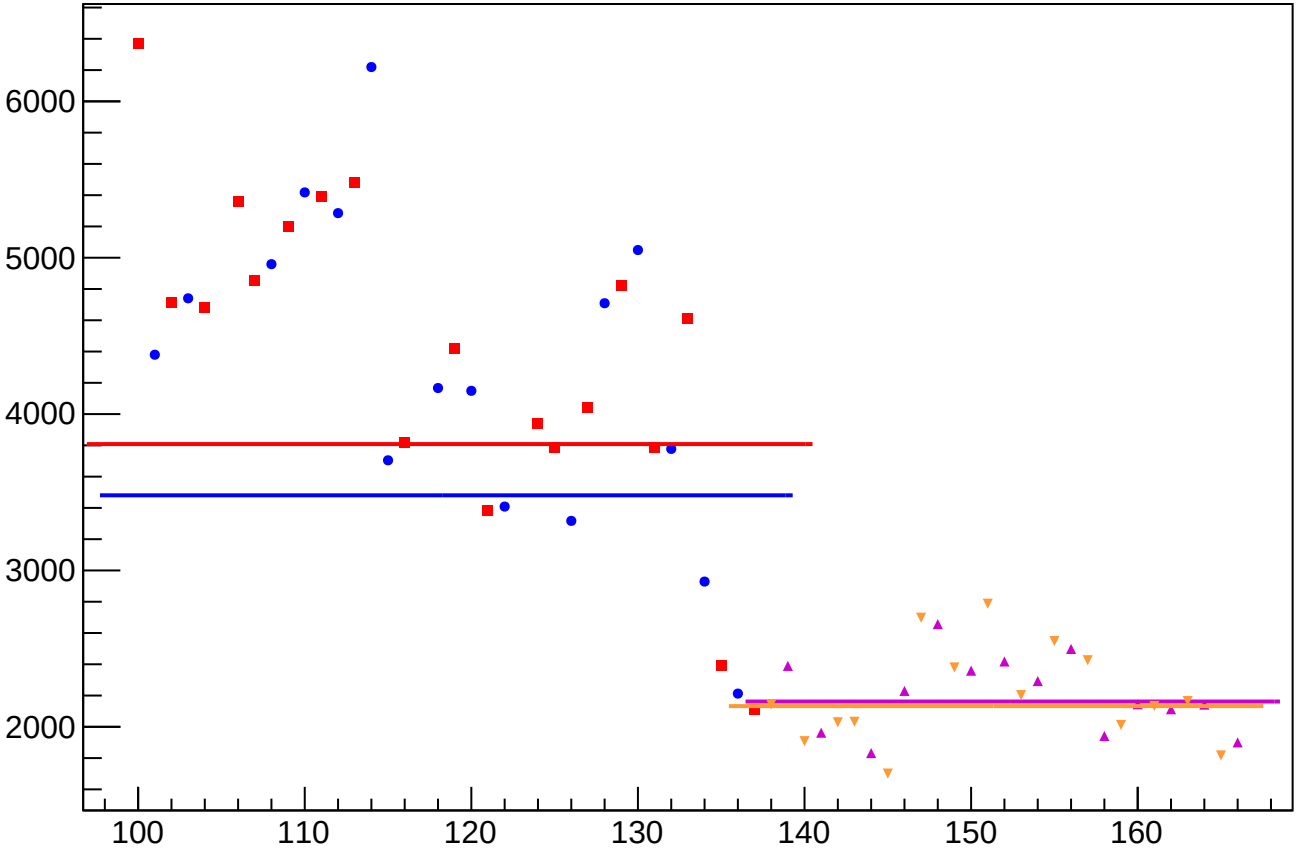
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 949.222+/-580.310 χ^2/NDF:40.7/29

Out: 1070.304+/-576.276 χ^2/NDF:43.9/33

All: 1010.185+/-408.907 χ^2/NDF: 84.6/63

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2132.409+/-0.444 χ^2/NDF:426958.8/14

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2161.806+/-0.454 χ^2/NDF:263317.0/13

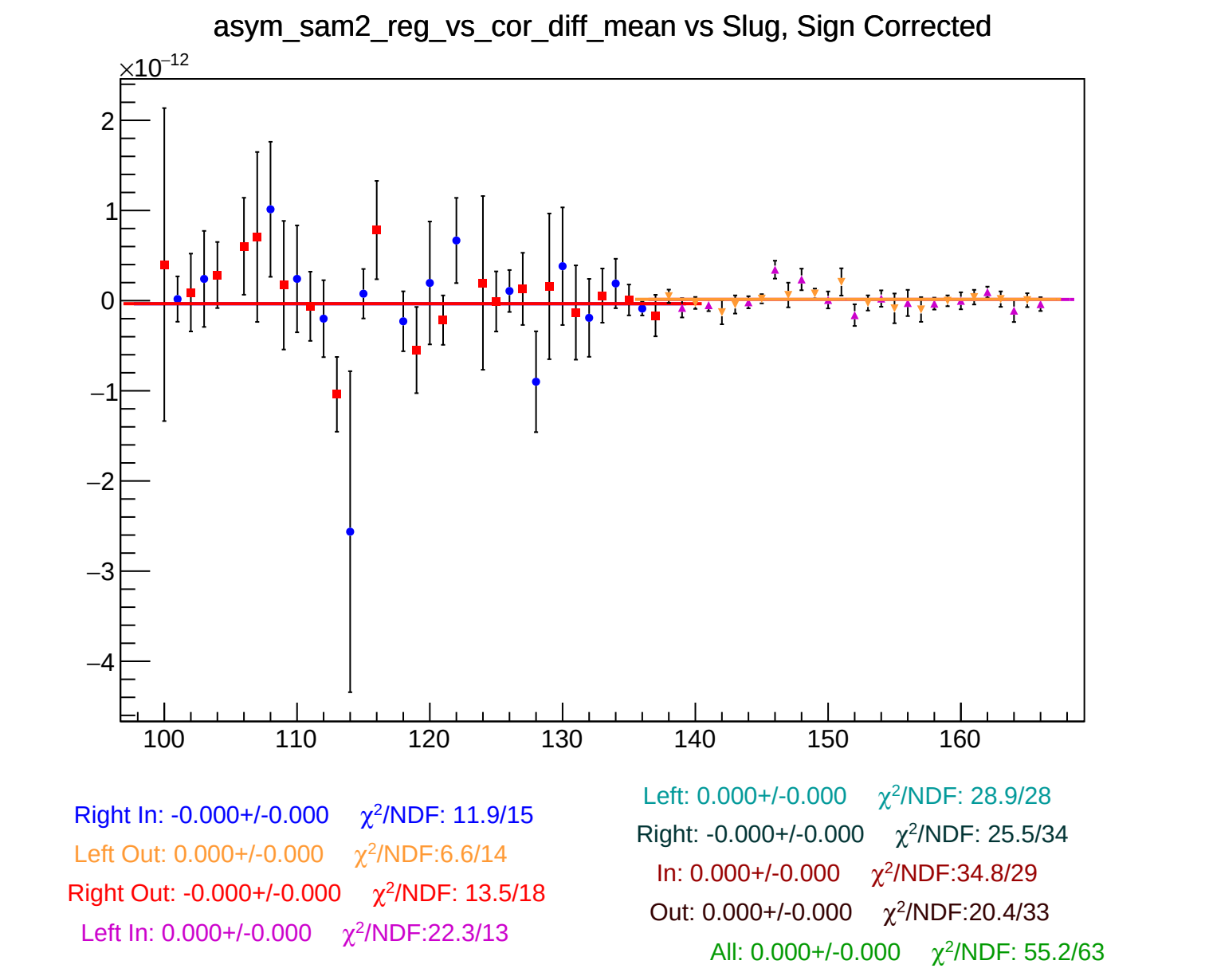
Left: 2146.793+/-0.317 χ^2/NDF: 692419.9/28

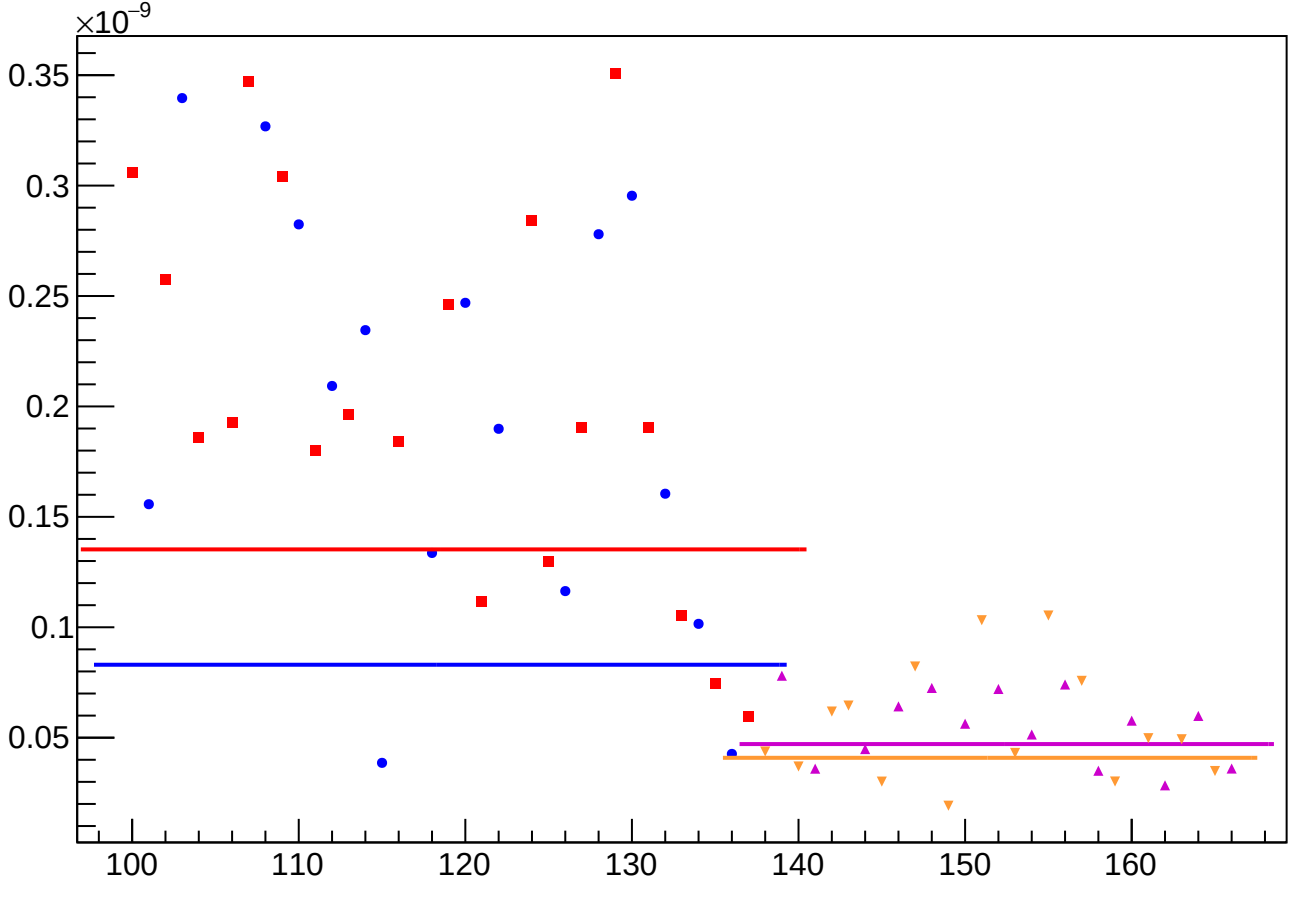
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2401.788+/-0.410 χ^2/NDF:3097468.1/29

Out: 2397.224+/-0.407 χ^2/NDF:3824697.8/33

All: 2399.490+/-0.289 χ^2/NDF: 6922228.2/63


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:22.3/13
Left: 0.000+/-0.000 χ²/NDF: 28.9/28
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:34.8/29
Out: 0.000+/-0.000 χ²/NDF:20.4/33
All: 0.000+/-0.000 χ²/NDF: 55.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1639794.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:897979.1/13

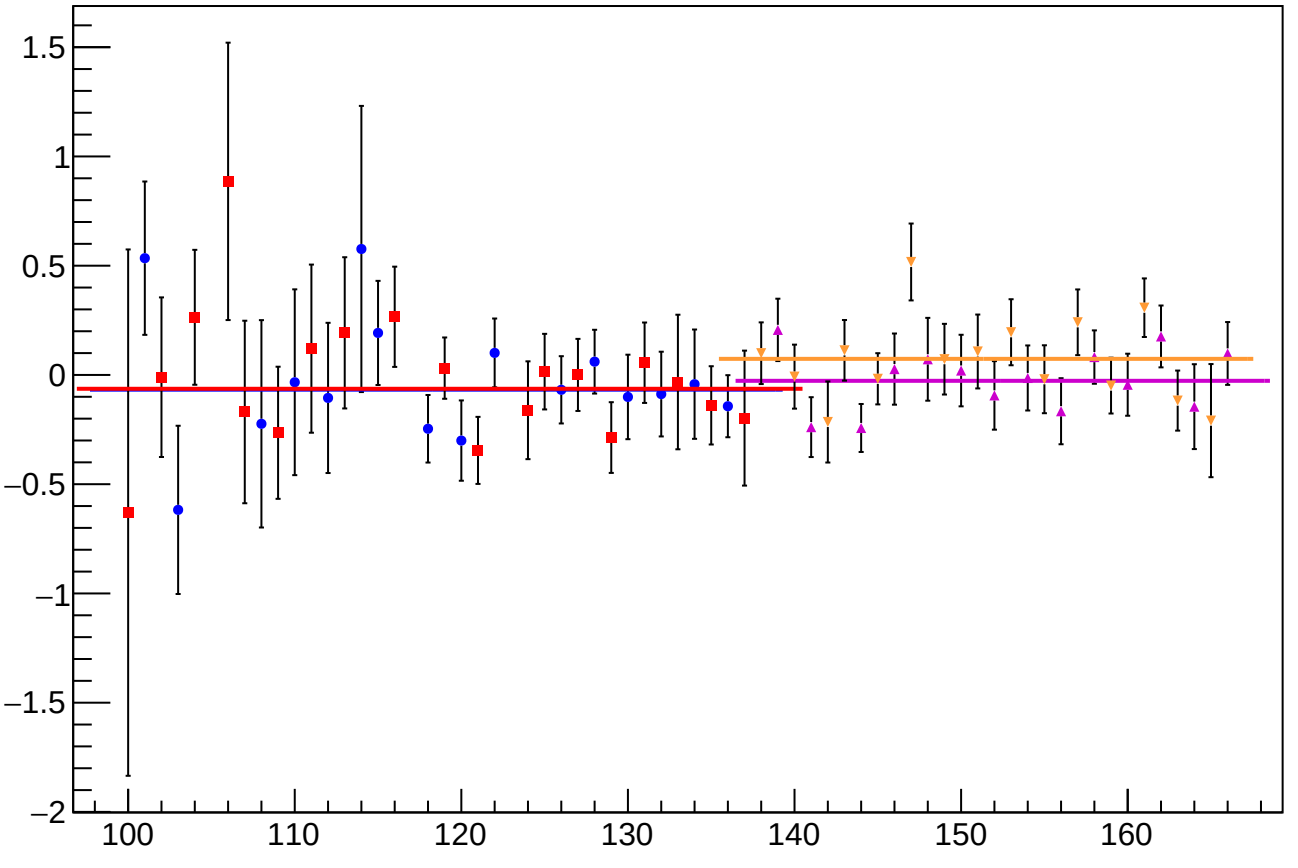
Left: 0.000+/-0.000 χ^2/NDF: 2619002.1/28

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4214958.8/29

Out: 0.000+/-0.000 χ^2/NDF:5376892.1/33

All: 0.000+/-0.000 χ^2/NDF: 9659856.0/63



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

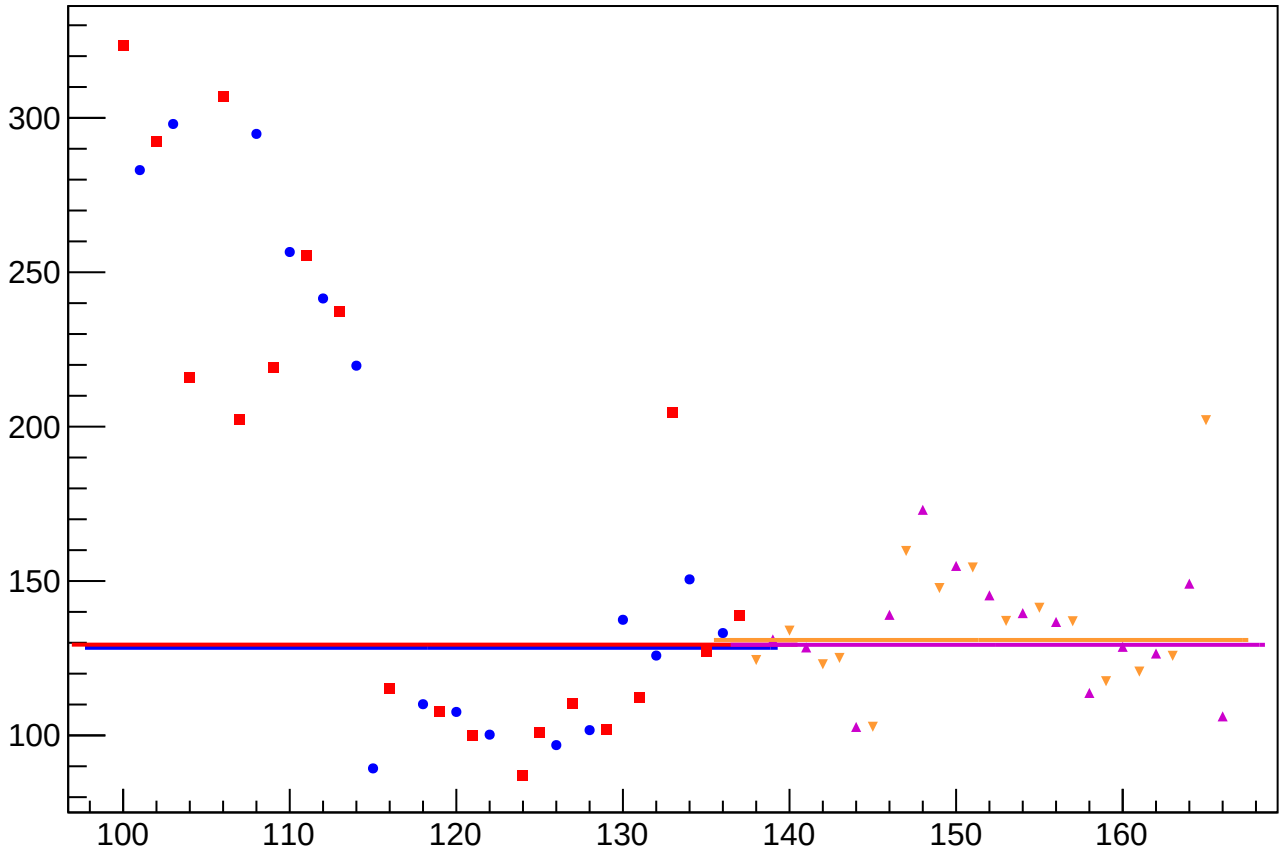
Left: 0.024+/-0.027 χ^2/NDF: 37.0/28

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.008+/-0.022 χ^2/NDF: 67.3/63



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.913+/-0.027 χ^2/NDF:444287.3/14

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.339+/-0.028 χ^2/NDF:421331.9/13

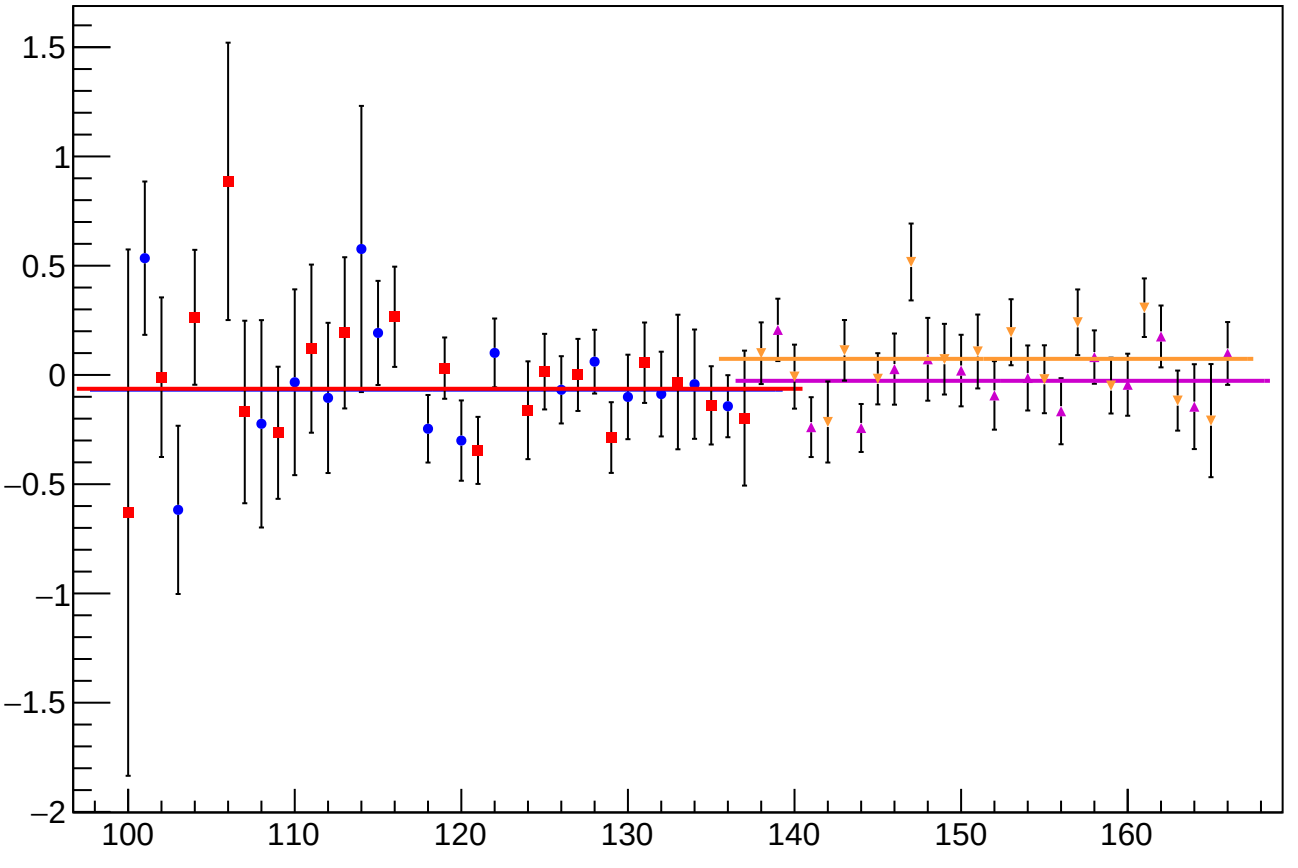
Left: 130.132+/-0.019 χ^2/NDF: 867265.3/28

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.992+/-0.022 χ^2/NDF:2226848.9/29

Out: 130.369+/-0.022 χ^2/NDF:2333661.5/33

All: 129.685+/-0.016 χ^2/NDF: 4562480.4/63



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

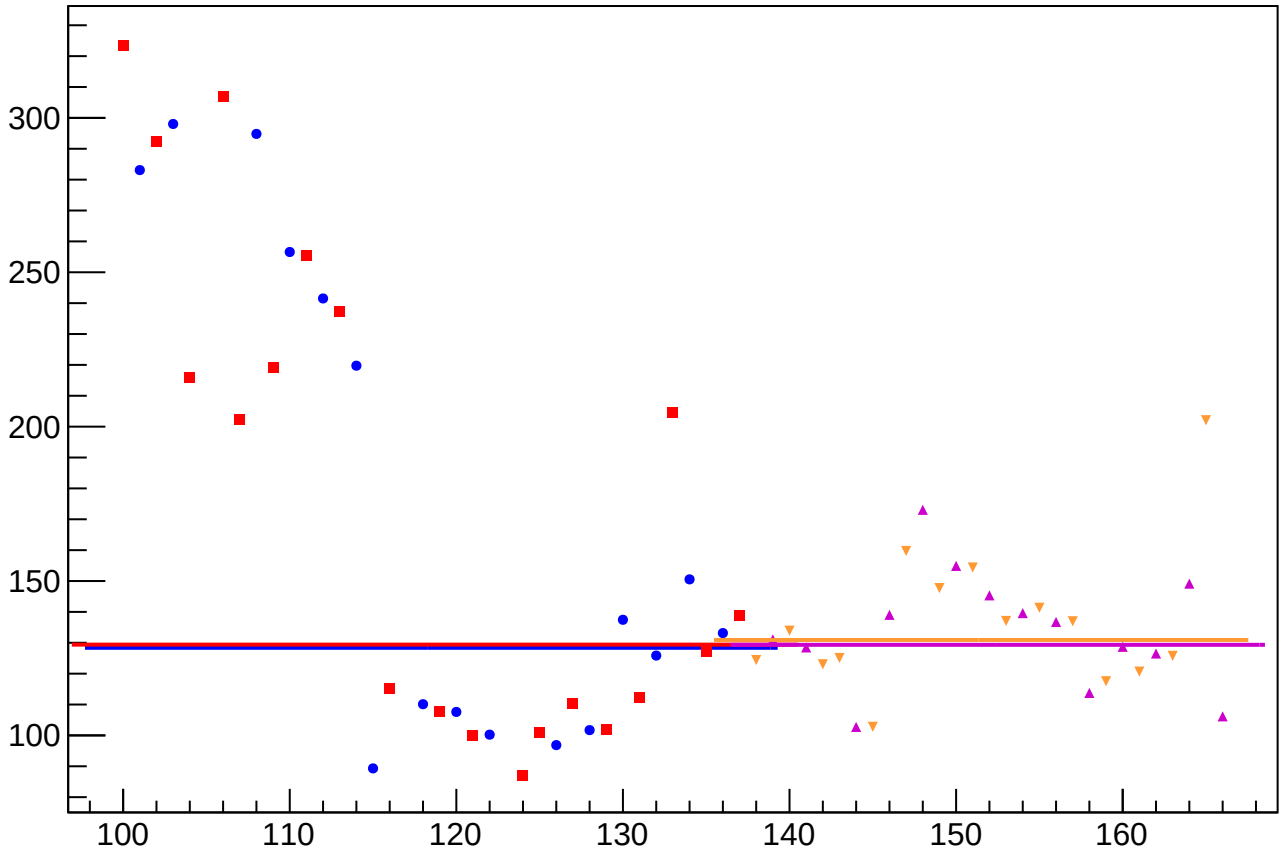
Left: 0.024+/-0.027 χ^2/NDF: 37.0/28

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.008+/-0.022 χ^2/NDF: 67.3/63



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.913+/-0.027 χ^2/NDF:444287.3/14

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.339+/-0.028 χ^2/NDF:421331.9/13

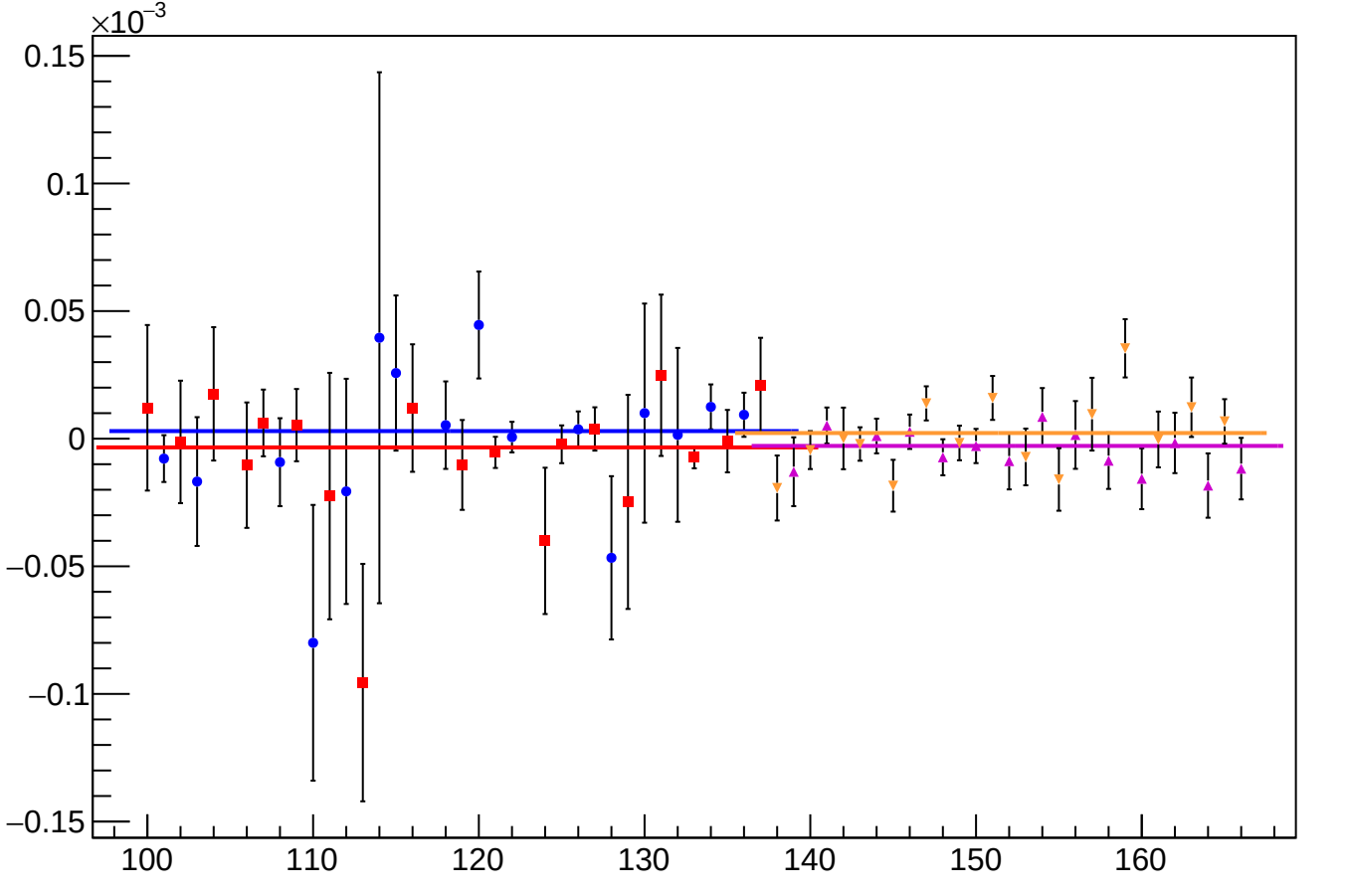
Left: 130.132+/-0.019 χ^2/NDF: 867265.3/28

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.992+/-0.022 χ^2/NDF:2226848.9/29

Out: 130.369+/-0.022 χ^2/NDF:2333661.5/33

All: 129.685+/-0.016 χ^2/NDF: 4562480.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/13

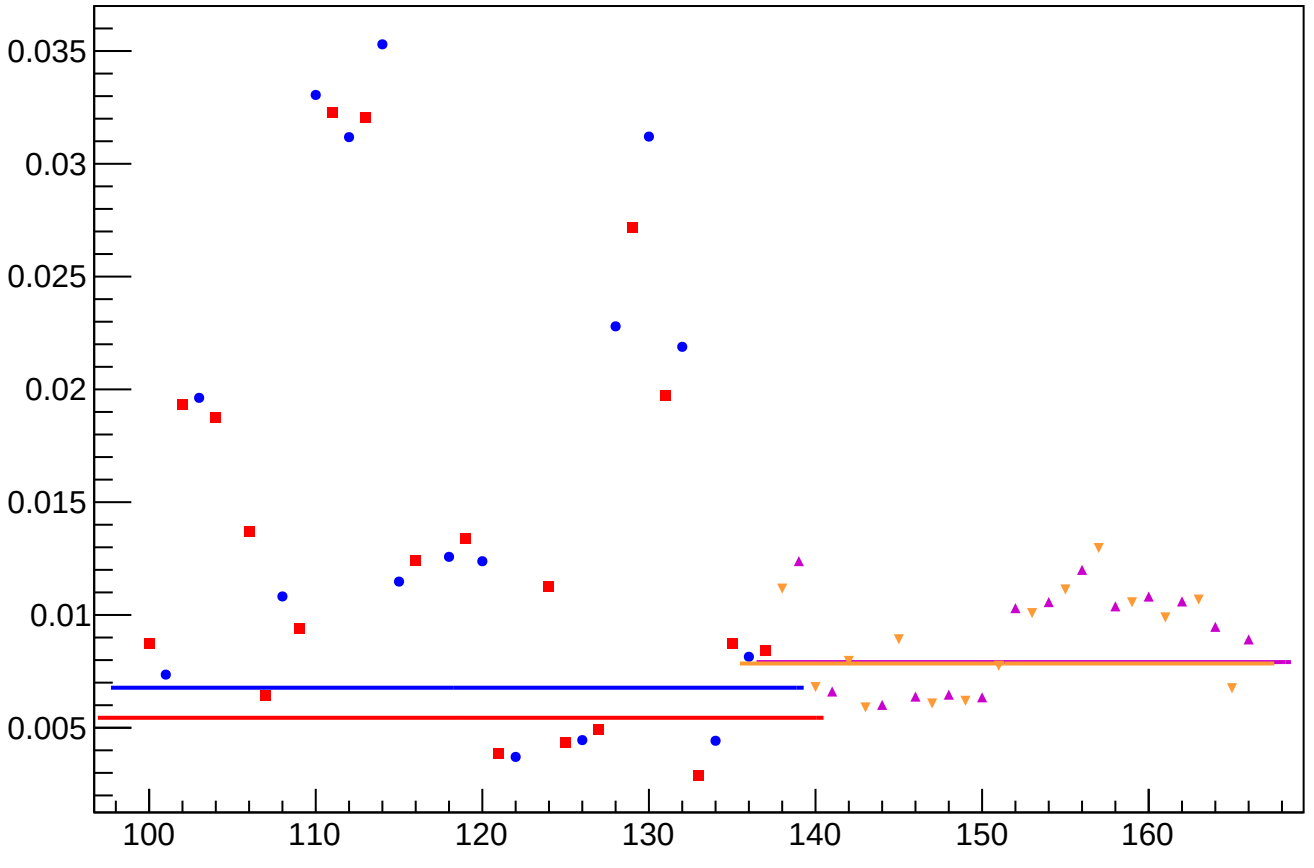
Left: -0.000+/-0.000 χ^2/NDF: 37.3/28

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:24.4/29

Out: -0.000+/-0.000 χ^2/NDF:42.0/33

All: -0.000+/-0.000 χ^2/NDF: 66.5/63



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1449149.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1501049.6/13

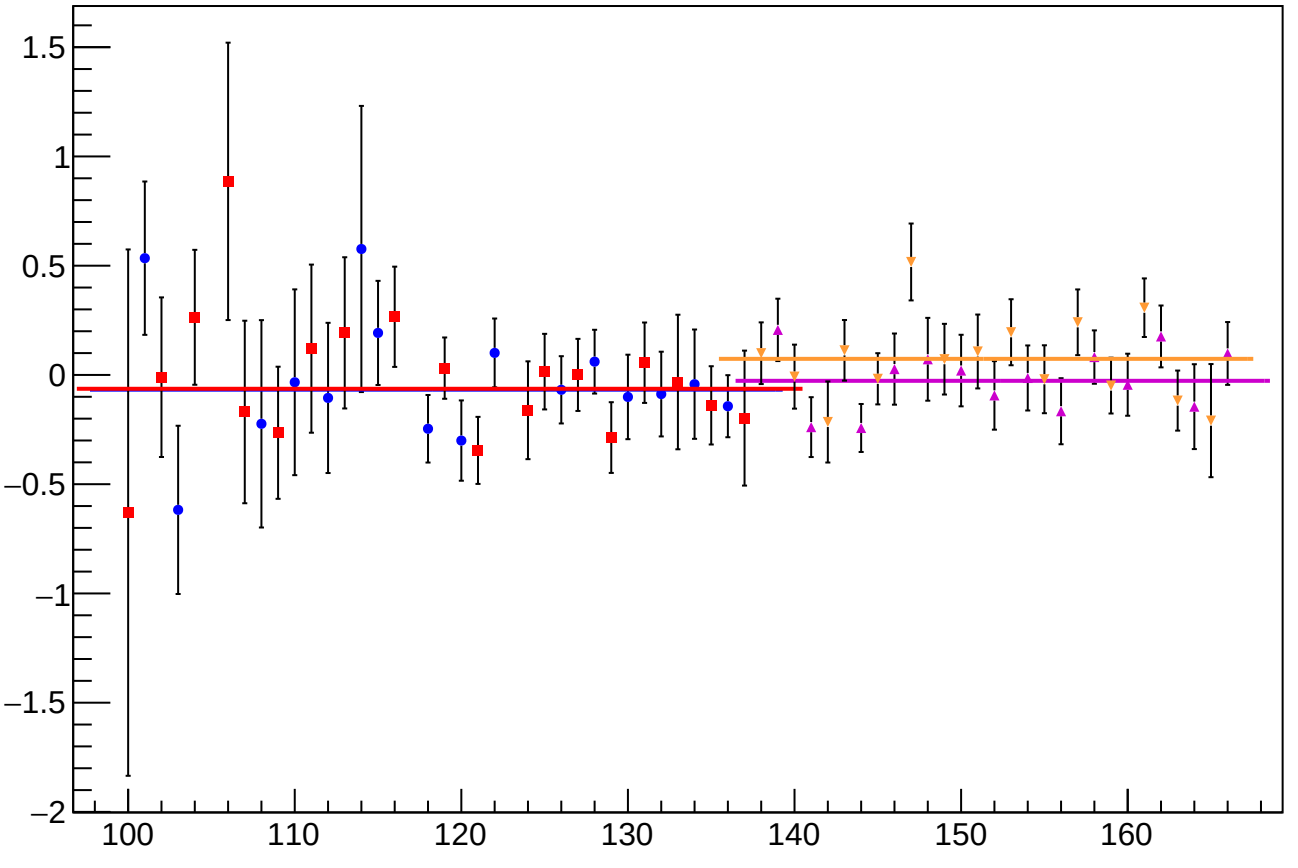
Left: 0.008+/-0.000 χ^2/NDF: 2950916.5/28

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6437023.8/29

Out: 0.007+/-0.000 χ^2/NDF:7958352.4/33

All: 0.007+/-0.000 χ^2/NDF: 14553721.5/63



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

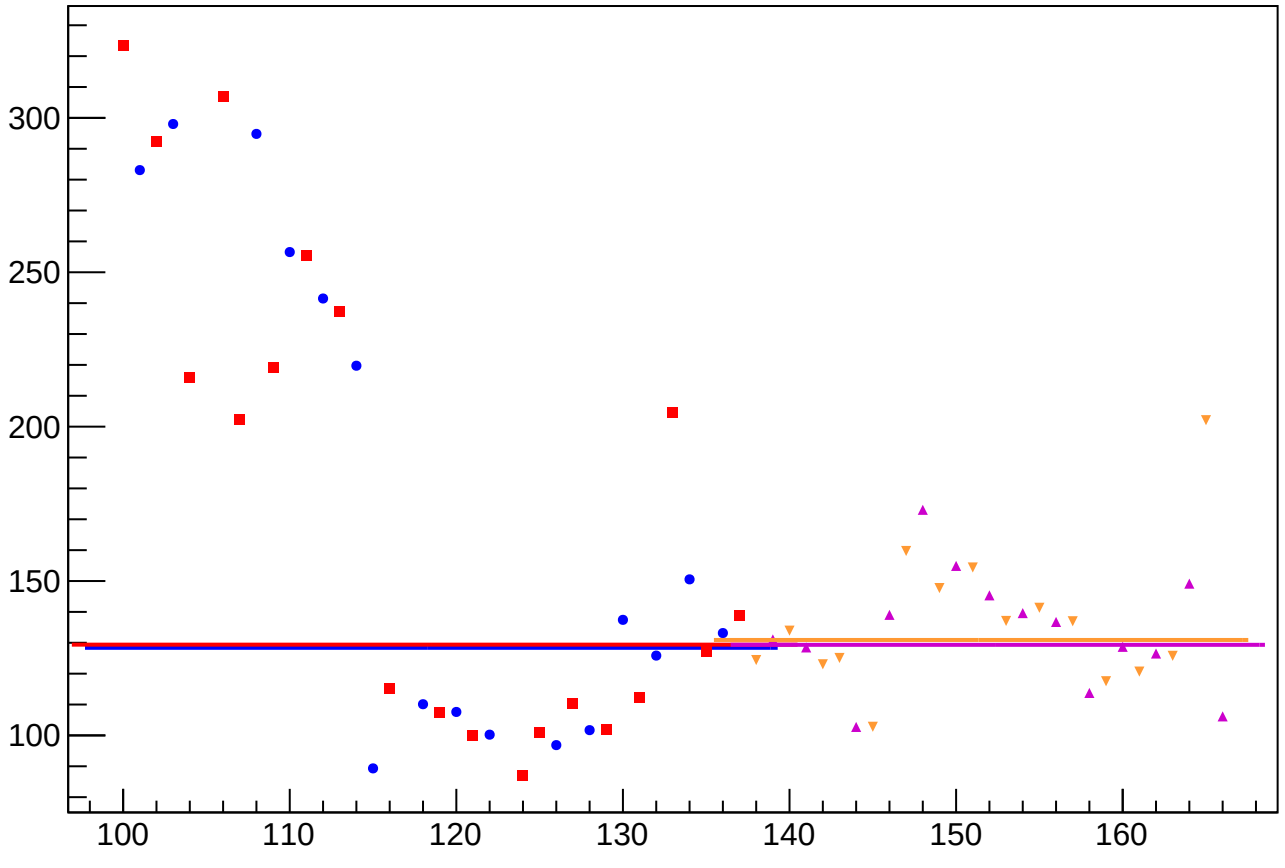
Left: 0.024+/-0.027 χ^2/NDF: 37.0/28

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.008+/-0.022 χ^2/NDF: 67.3/63



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.913+/-0.027 χ^2/NDF:444316.8/14

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.339+/-0.028 χ^2/NDF:421369.3/13

Left: 130.132+/-0.019 χ^2/NDF: 867333.3/28

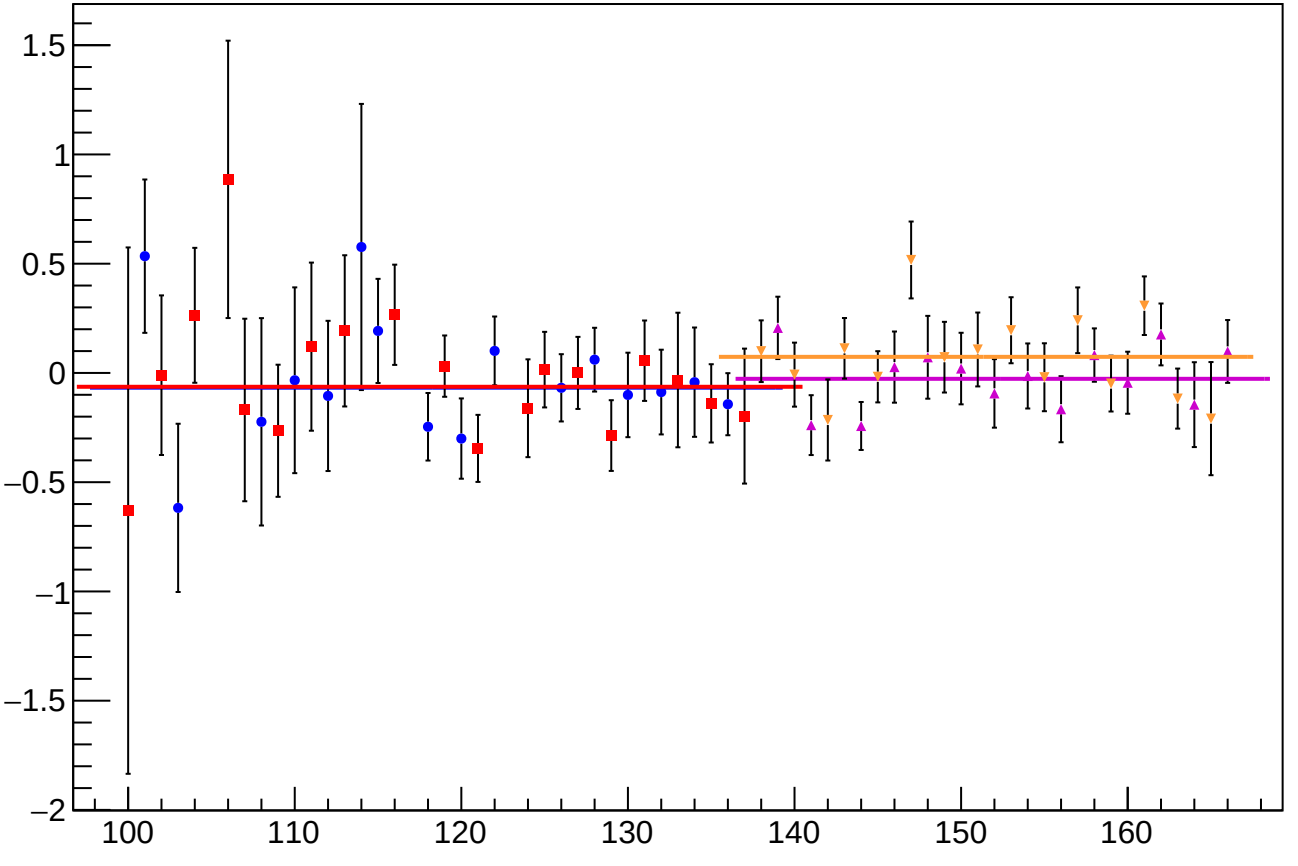
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.991+/-0.022 χ^2/NDF:2226836.8/29

Out: 130.368+/-0.022 χ^2/NDF:2333696.8/33

All: 129.684+/-0.016 χ^2/NDF: 4562504.5/63

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.027+/-0.039 χ^2/NDF:14.4/13

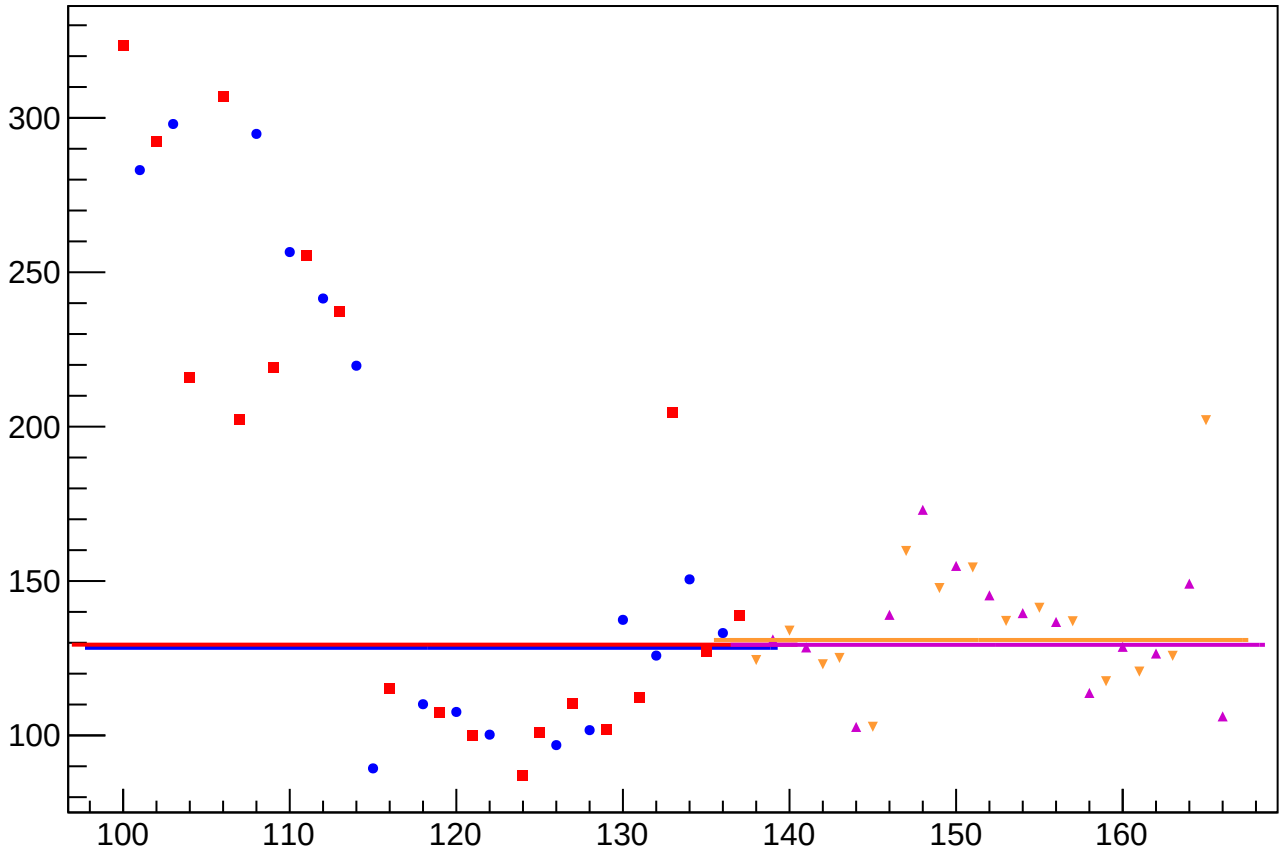
Left: 0.024+/-0.027 χ^2/NDF: 37.0/28

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.041+/-0.031 χ^2/NDF:27.3/29

Out: 0.024+/-0.031 χ^2/NDF:37.7/33

All: -0.008+/-0.022 χ^2/NDF: 67.3/63



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.913+/-0.027 χ^2/NDF:444316.8/14

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.339+/-0.028 χ^2/NDF:421369.3/13

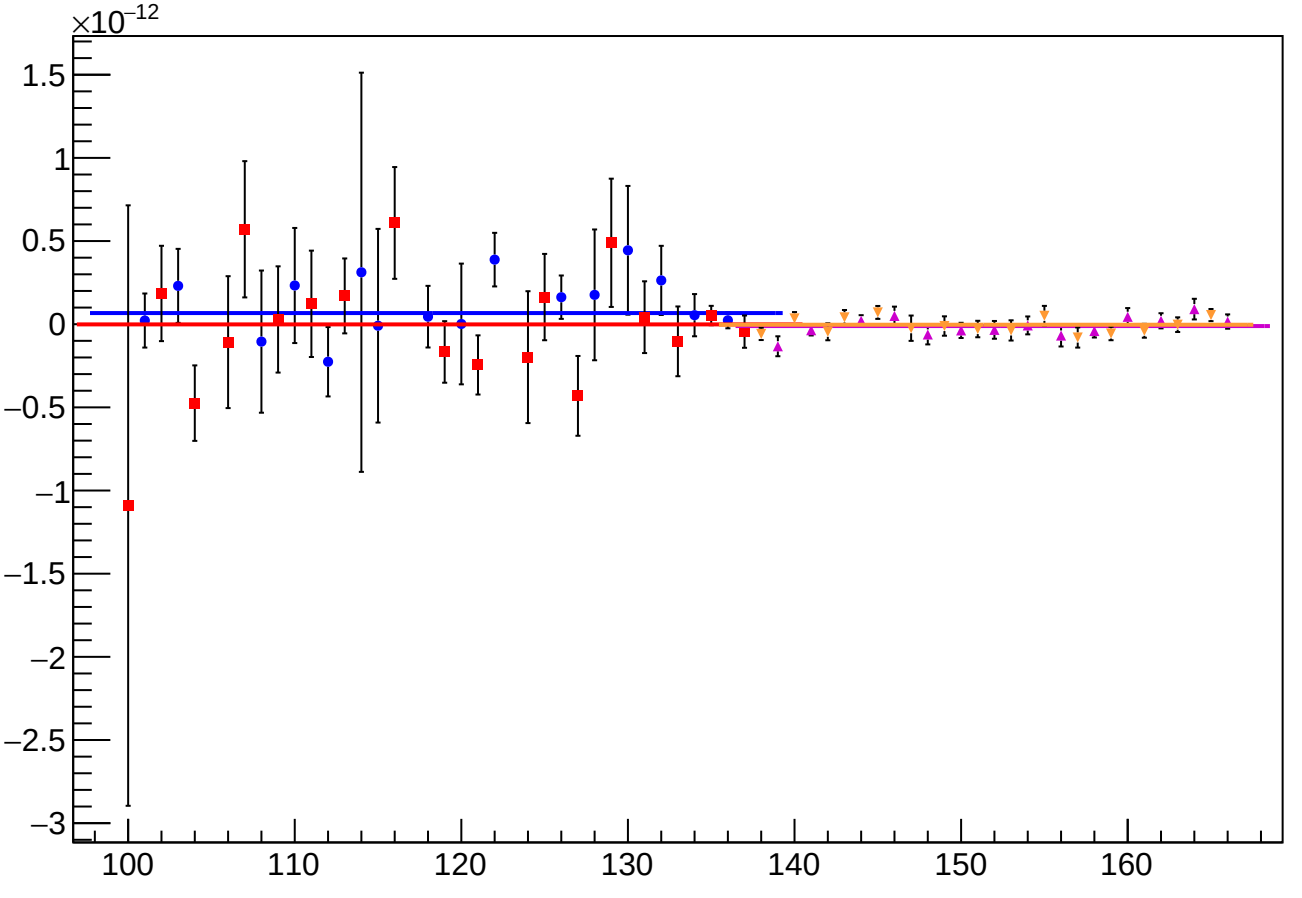
Left: 130.132+/-0.019 χ^2/NDF: 867333.3/28

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.991+/-0.022 χ^2/NDF:2226836.8/29

Out: 130.368+/-0.022 χ^2/NDF:2333696.8/33

All: 129.684+/-0.016 χ^2/NDF: 4562504.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

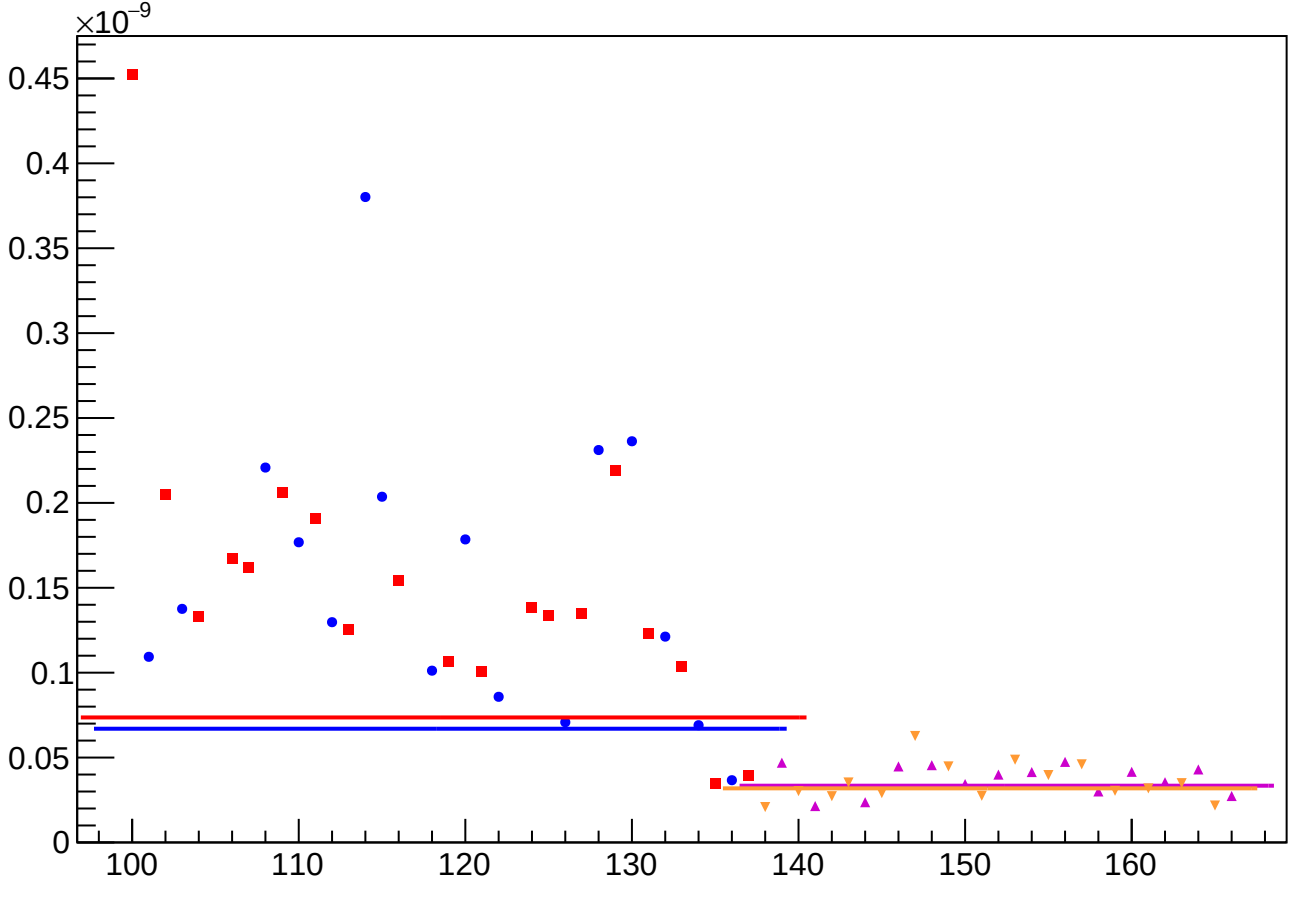
Left: -0.000+/-0.000 χ^2/NDF: 30.9/28

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:28.6/29

Out: -0.000+/-0.000 χ^2/NDF:37.3/33

All: -0.000+/-0.000 χ^2/NDF: 65.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1125691.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1042642.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2184899.8/28

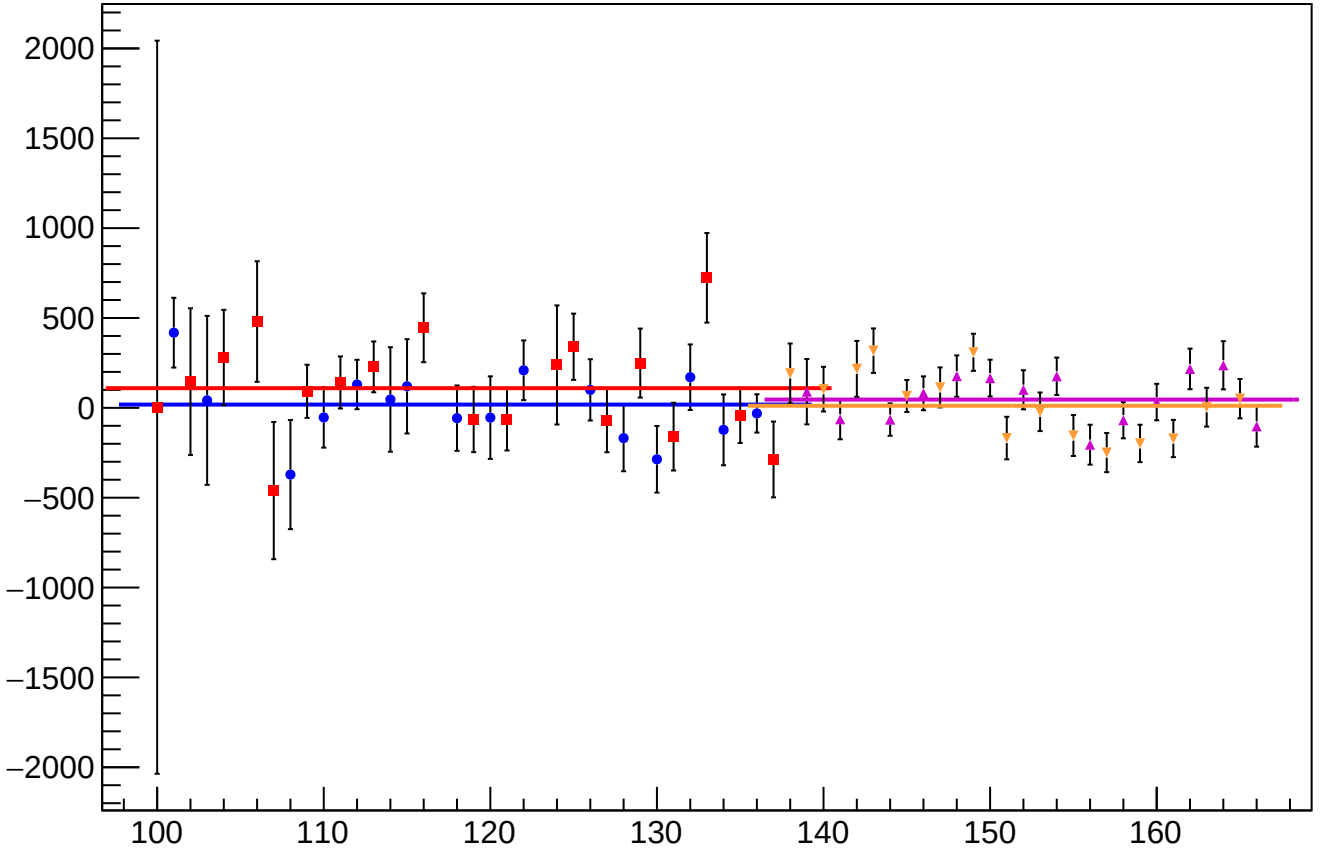
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5767182.4/29

Out: 0.000+/-0.000 χ^2/NDF:6841509.6/33

All: 0.000+/-0.000 χ^2/NDF: 12629244.0/63

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.548+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 46.027+/-29.087 χ^2/NDF:19.6/13

Left: 28.787+/-20.568 χ^2/NDF: 56.9/28

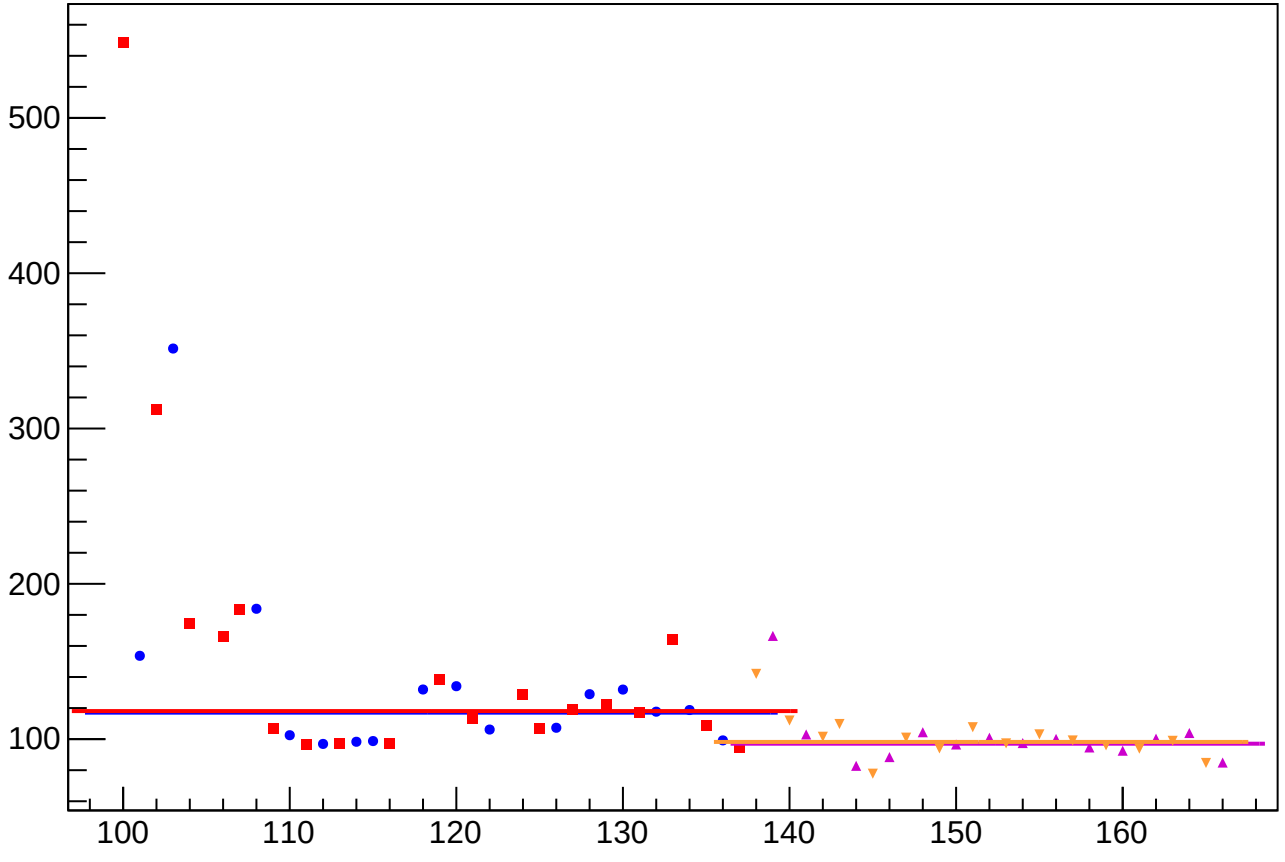
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 38.006+/-24.539 χ^2/NDF:33.7/29

Out: 39.660+/-24.558 χ^2/NDF:65.4/33

All: 38.832+/-17.358 χ^2/NDF: 99.1/63

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

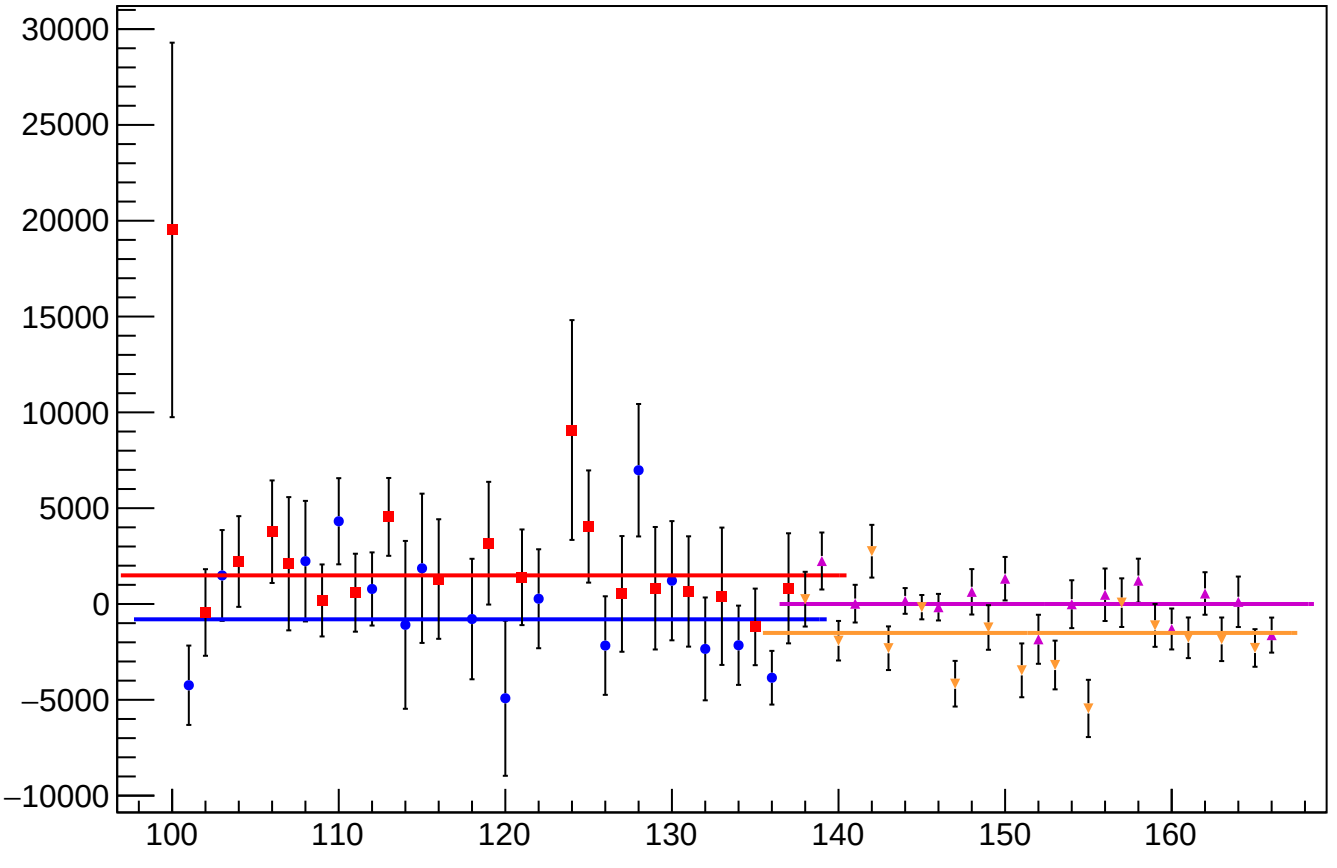
Left: 97.624+/-0.015 χ^2/NDF: 757137.3/28

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 102.822+/-0.017 χ^2/NDF:1542681.7/29

Out: 103.899+/-0.017 χ^2/NDF:1602740.1/33

All: 103.360+/-0.012 χ^2/NDF: 3147346.0/63



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1509.768+/-284.632 χ^2/NDF:34.3/14

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 0.012+/-274.411 χ^2/NDF:12.3/13

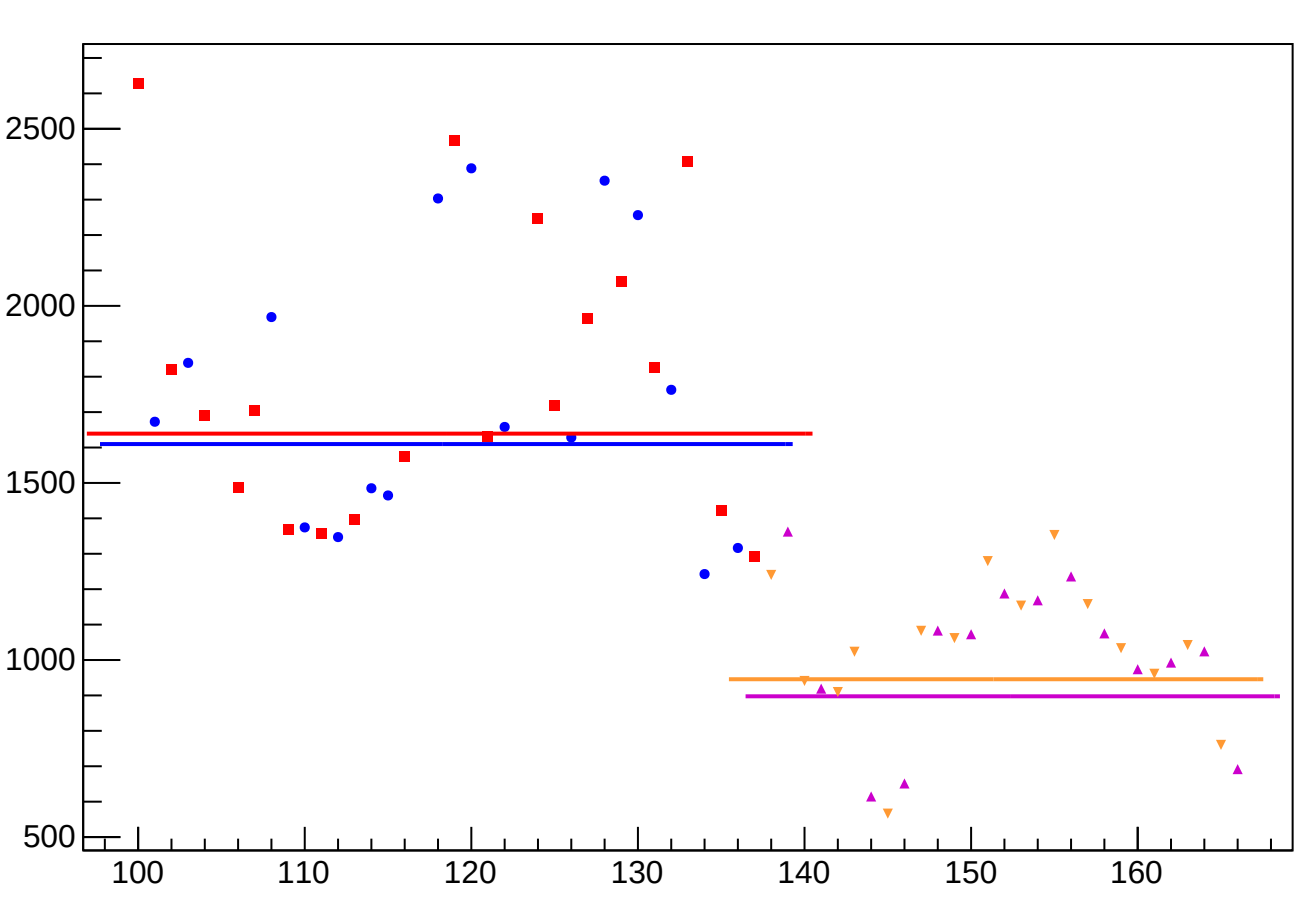
Left: -727.284+/-197.552 χ^2/NDF: 61.2/28

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -132.312+/-250.665 χ^2/NDF:37.1/29

Out: -977.176+/-258.167 χ^2/NDF:67.0/33

All: -542.290+/-179.841 χ^2/NDF: 109.6/63



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325356.9/14

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 897.524+/-0.194 χ^2/NDF:1412506.5/13

Left: 920.736+/-0.140 χ^2/NDF: 2767571.4/28

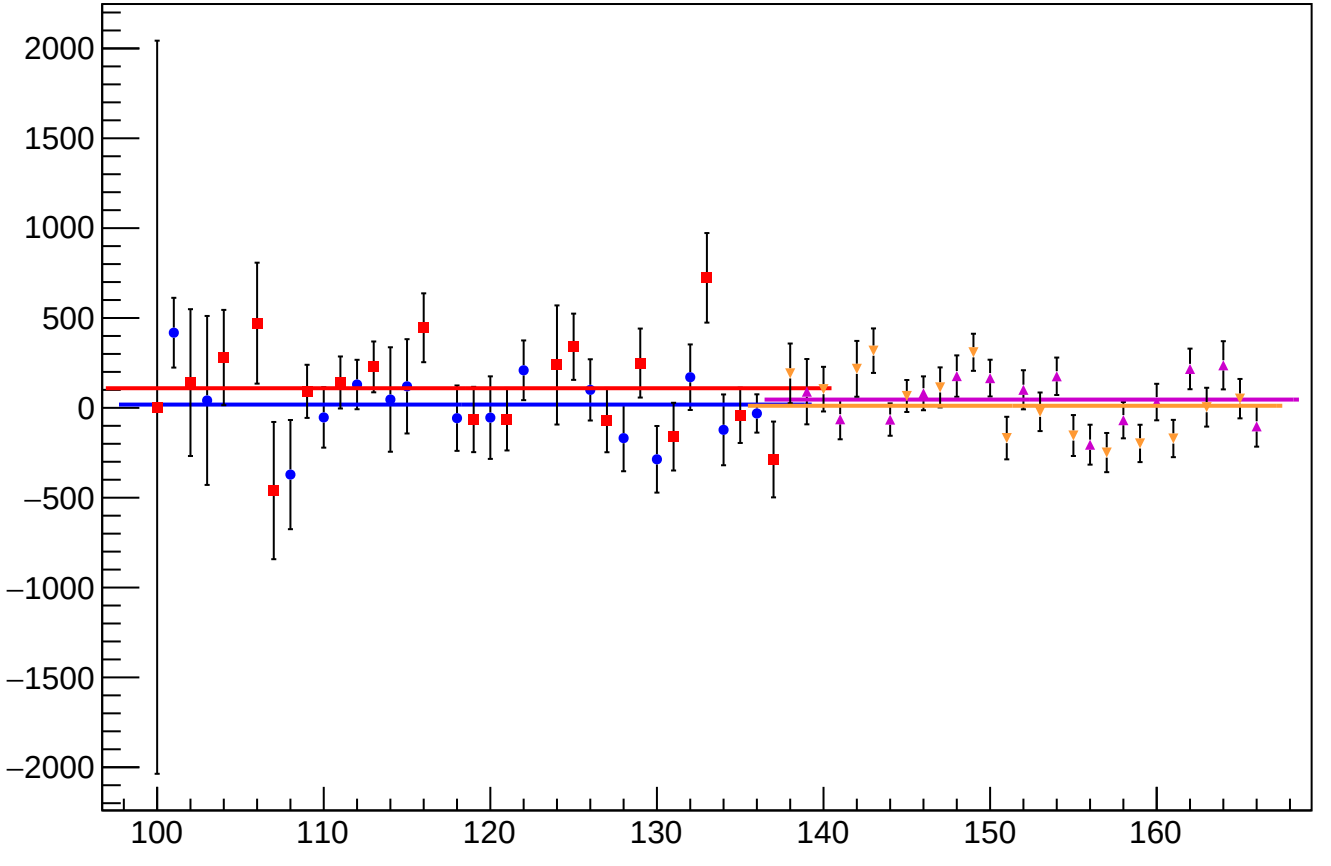
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1015.461+/-0.177 χ^2/NDF:4262708.4/29

Out: 1068.683+/-0.183 χ^2/NDF:3950951.6/33

All: 1041.287+/-0.127 χ^2/NDF: 8257412.4/63

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 46.029+/-29.087 χ^2/NDF:19.6/13

Left: 28.791+/-20.568 χ^2/NDF: 56.9/28

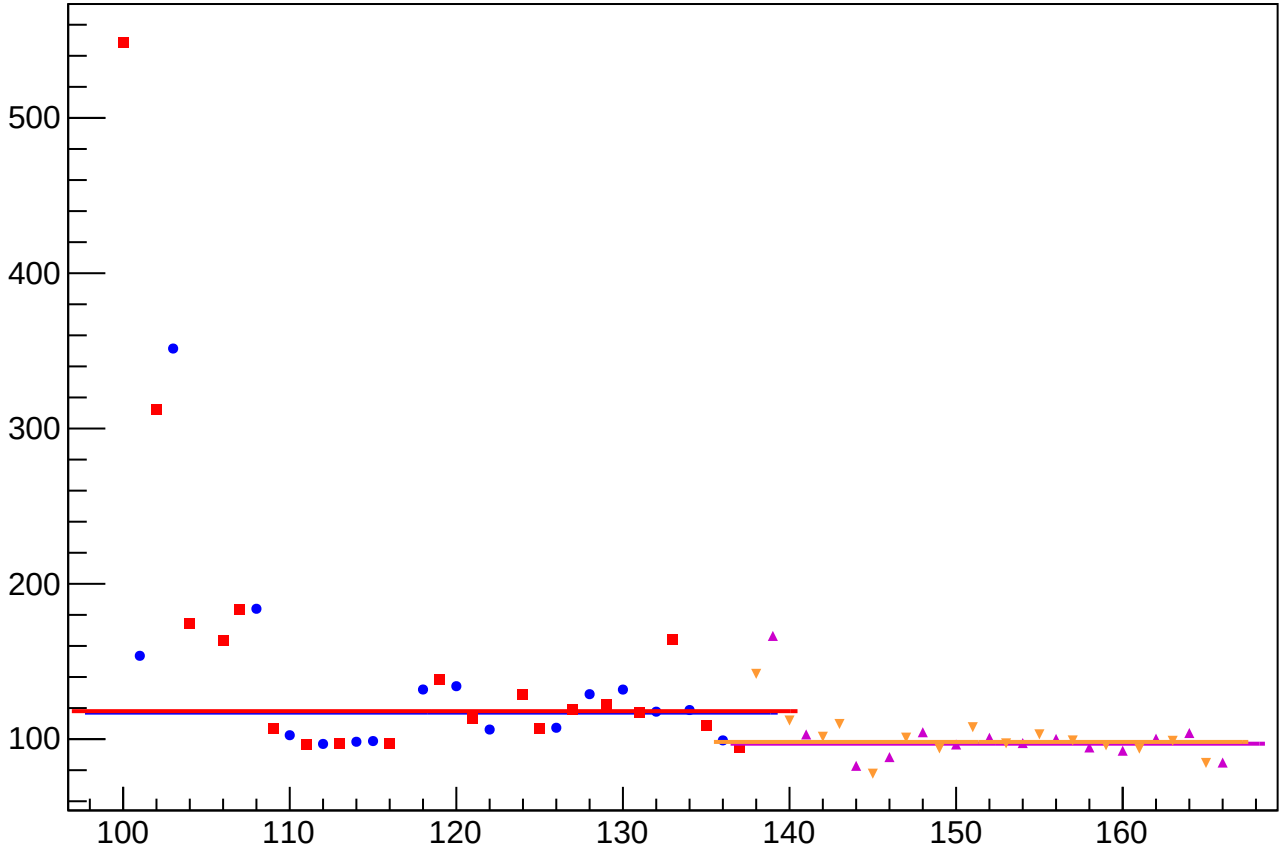
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.004+/-24.539 χ^2/NDF:33.7/29

Out: 39.580+/-24.558 χ^2/NDF:65.3/33

All: 38.792+/-17.358 χ^2/NDF: 99.0/63

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

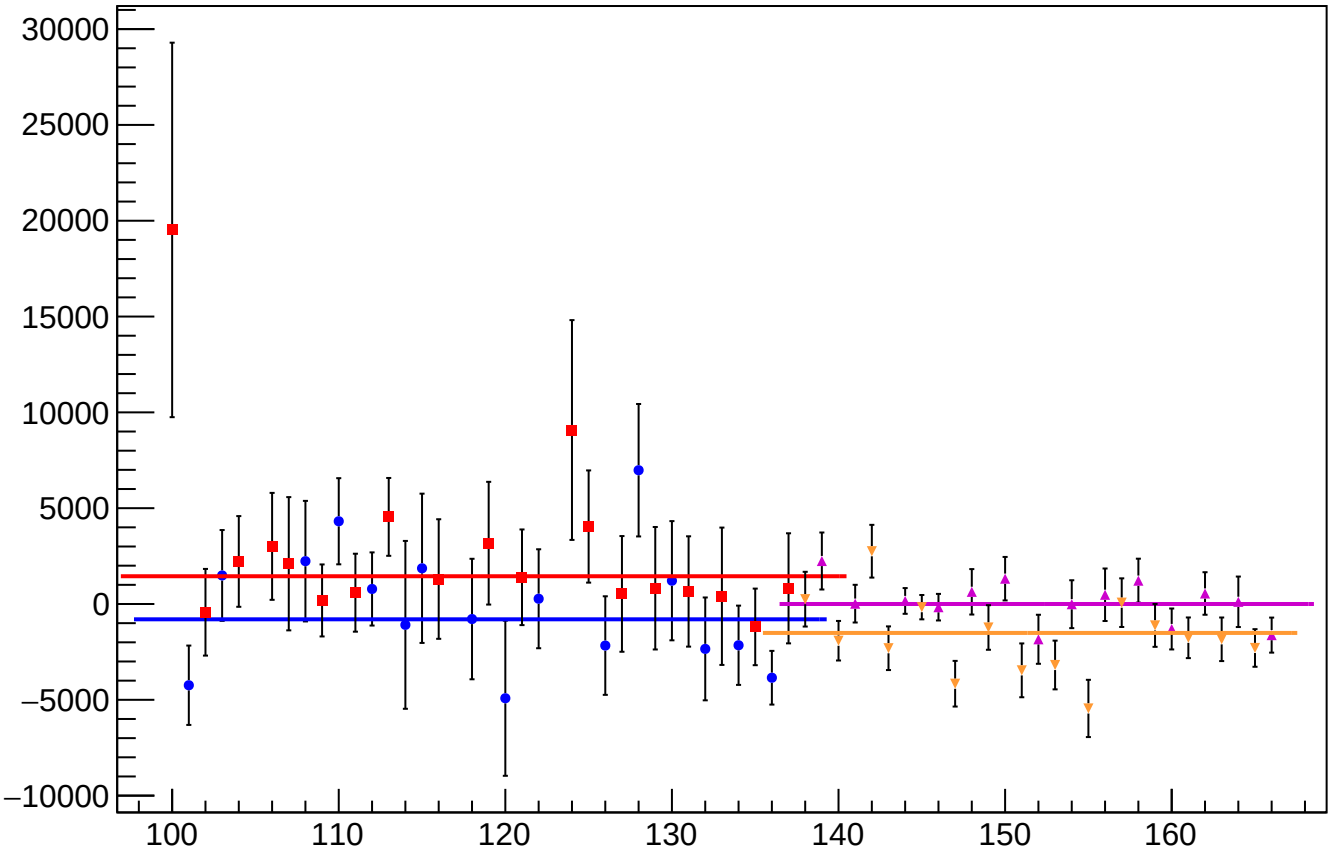
Left: 97.624+/-0.015 χ^2/NDF: 757137.3/28

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 102.822+/-0.017 χ^2/NDF:1542683.6/29

Out: 103.883+/-0.017 χ^2/NDF:1597126.2/33

All: 103.352+/-0.012 χ^2/NDF: 3141679.2/63



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.016+/-274.411 χ^2/NDF:12.3/13

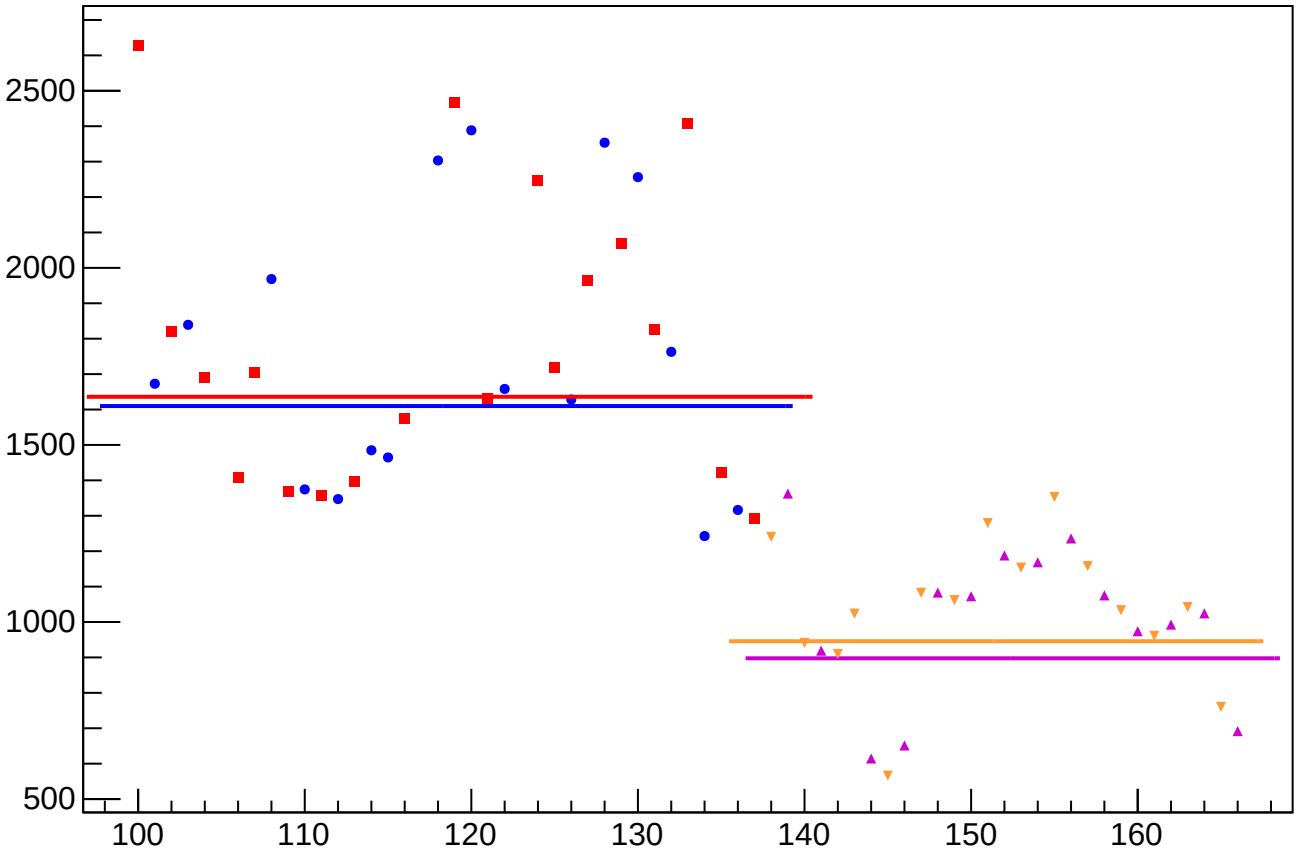
Left: -727.280+/-197.552 χ^2/NDF: 61.2/28

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -132.304+/-250.665 χ^2/NDF:37.1/29

Out: -987.123+/-258.267 χ^2/NDF:65.9/33

All: -546.948+/-179.874 χ^2/NDF: 108.6/63



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 897.524+/-0.194 χ^2/NDF:1412507.9/13

Left: 920.736+/-0.140 χ^2/NDF: 2767573.5/28

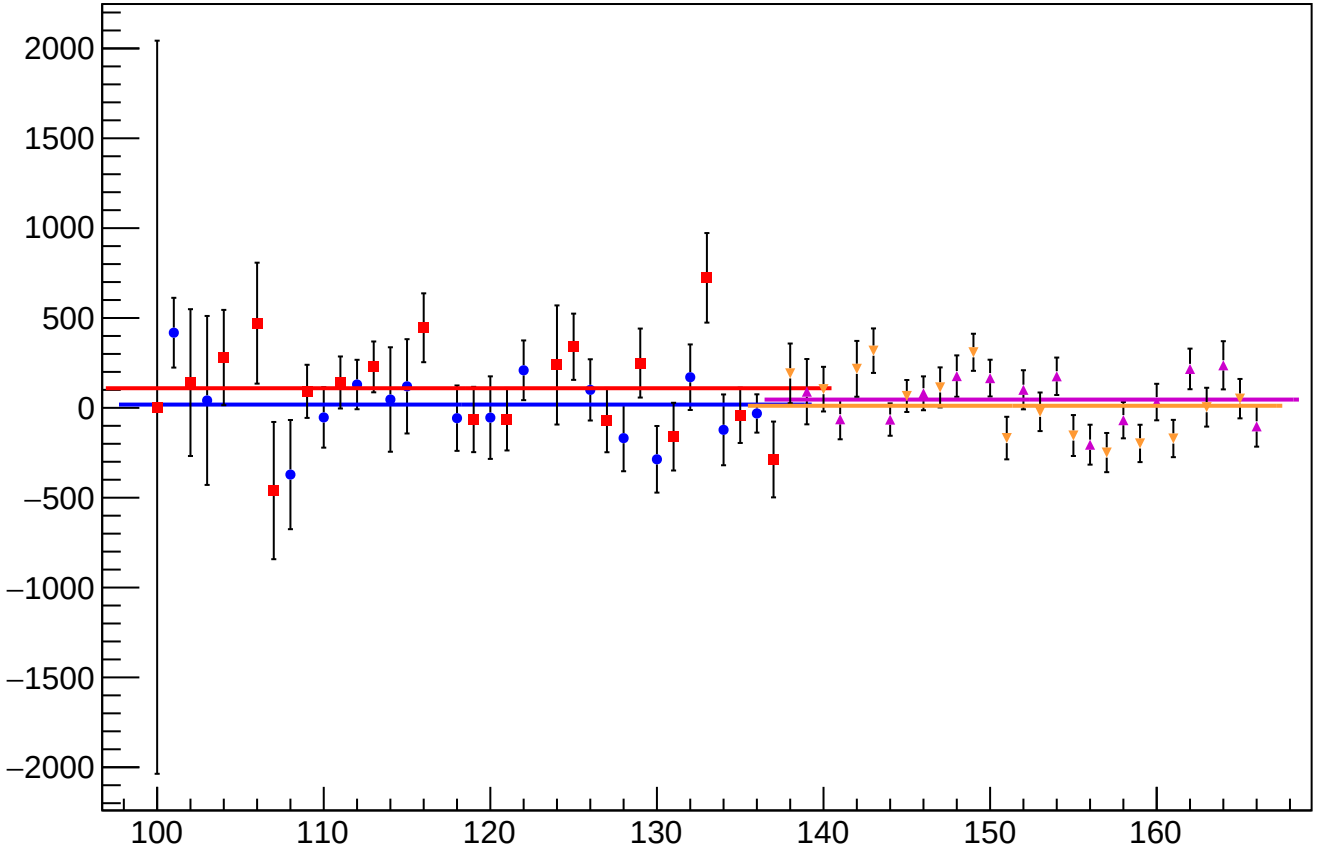
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1015.461+/-0.177 χ^2/NDF:4262771.5/29

Out: 1067.675+/-0.183 χ^2/NDF:3931710.9/33

All: 1040.788+/-0.127 χ^2/NDF: 8236576.7/63

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 46.029+/-29.087 χ^2/NDF:19.6/13

Left: 28.791+/-20.568 χ^2/NDF: 56.9/28

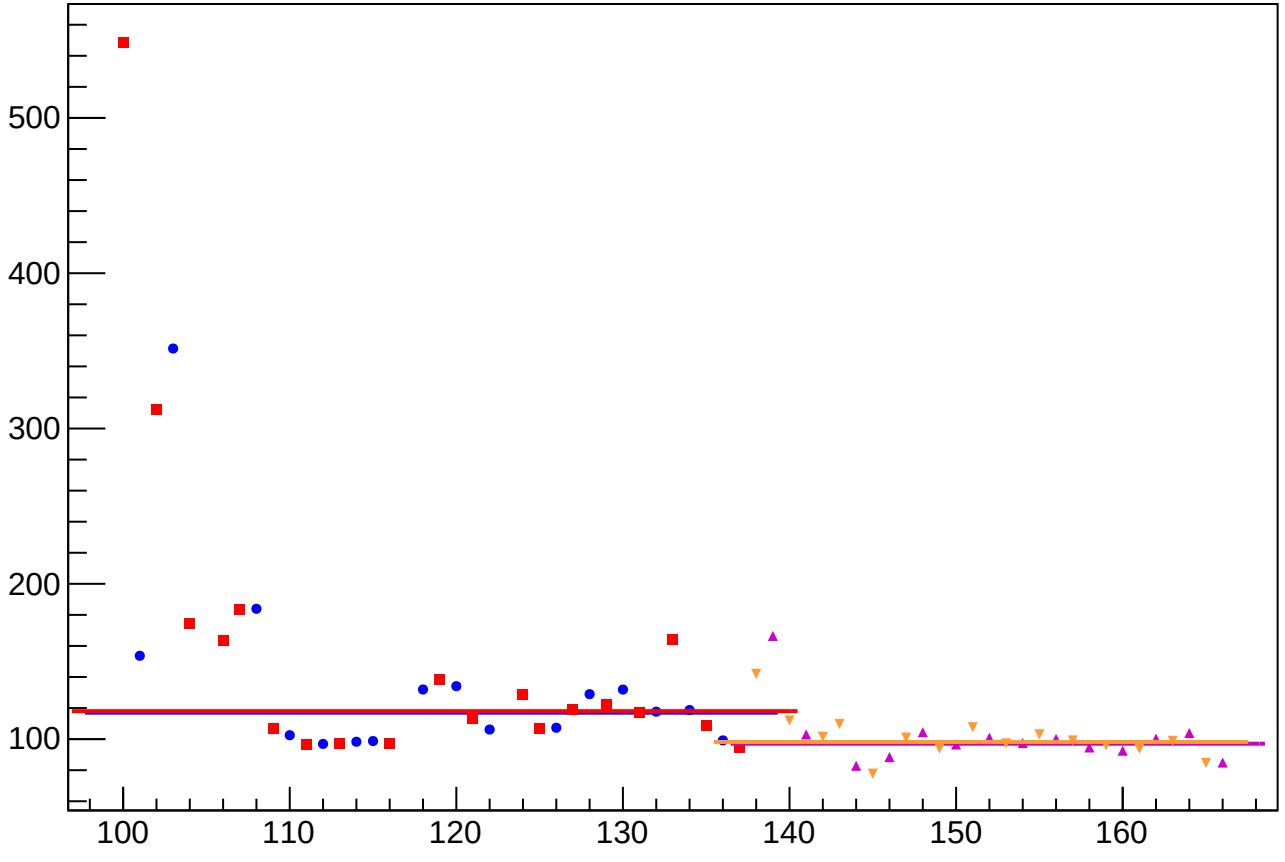
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.004+/-24.539 χ^2/NDF:33.7/29

Out: 39.580+/-24.558 χ^2/NDF:65.3/33

All: 38.792+/-17.358 χ^2/NDF: 99.0/63

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.054+/-0.021 χ^2/NDF:411469.4/13

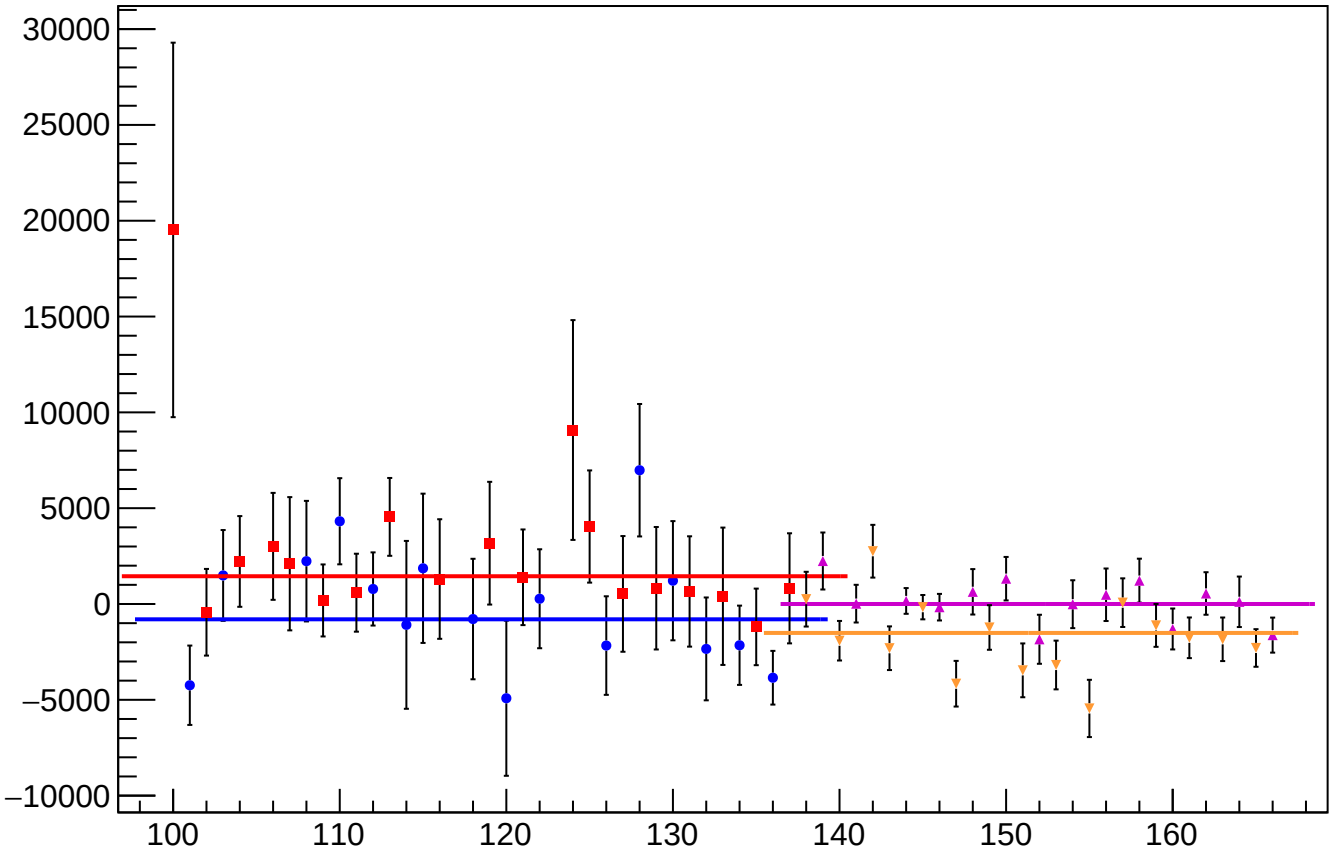
Left: 97.624+/-0.015 χ^2/NDF: 757137.3/28

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 102.822+/-0.017 χ^2/NDF:1542683.6/29

Out: 103.883+/-0.017 χ^2/NDF:1597126.2/33

All: 103.352+/-0.012 χ^2/NDF: 3141679.2/63



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 0.016+/-274.411 χ^2/NDF:12.3/13

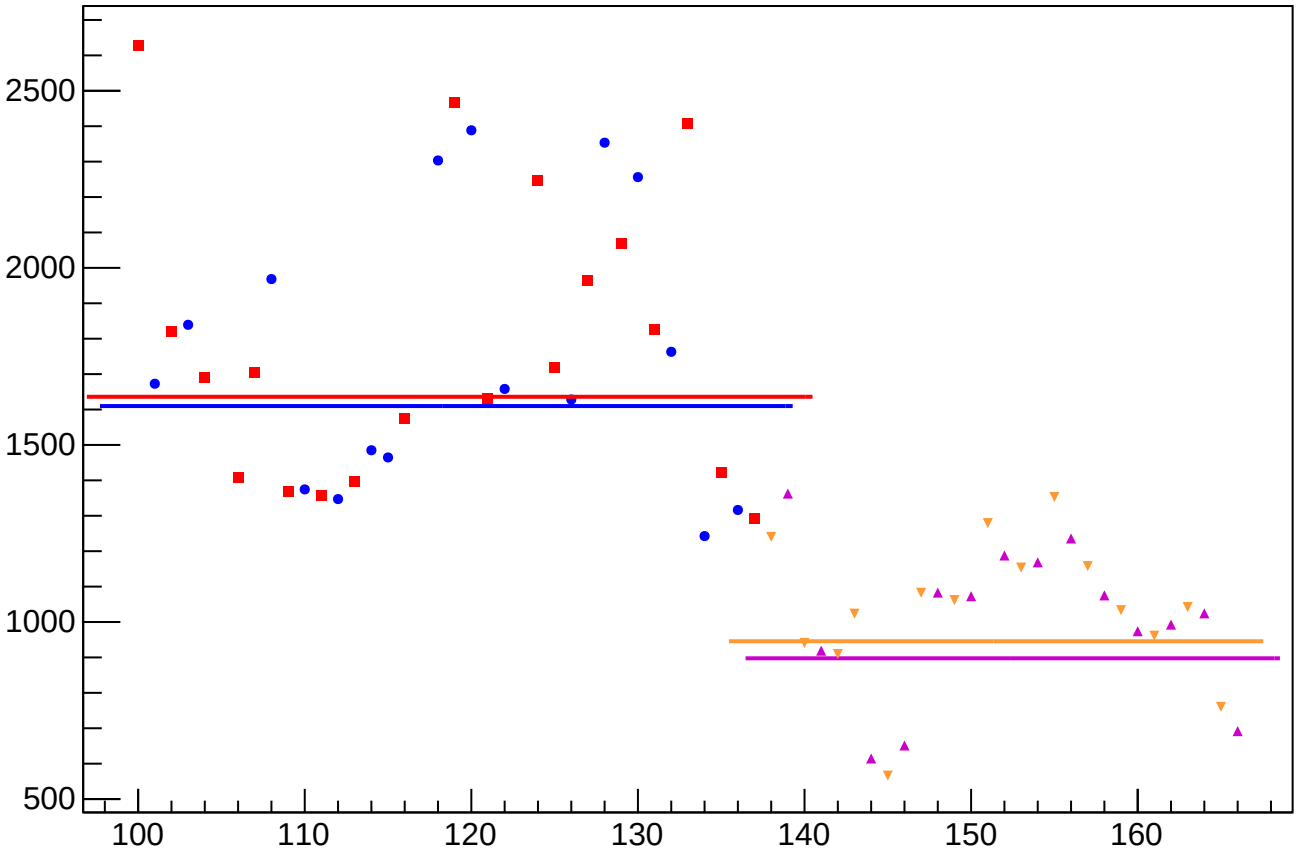
Left: -727.280+/-197.552 χ^2/NDF: 61.2/28

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -132.304+/-250.665 χ^2/NDF:37.1/29

Out: -987.123+/-258.267 χ^2/NDF:65.9/33

All: -546.948+/-179.874 χ^2/NDF: 108.6/63



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 897.524+/-0.194 χ^2/NDF:1412507.9/13

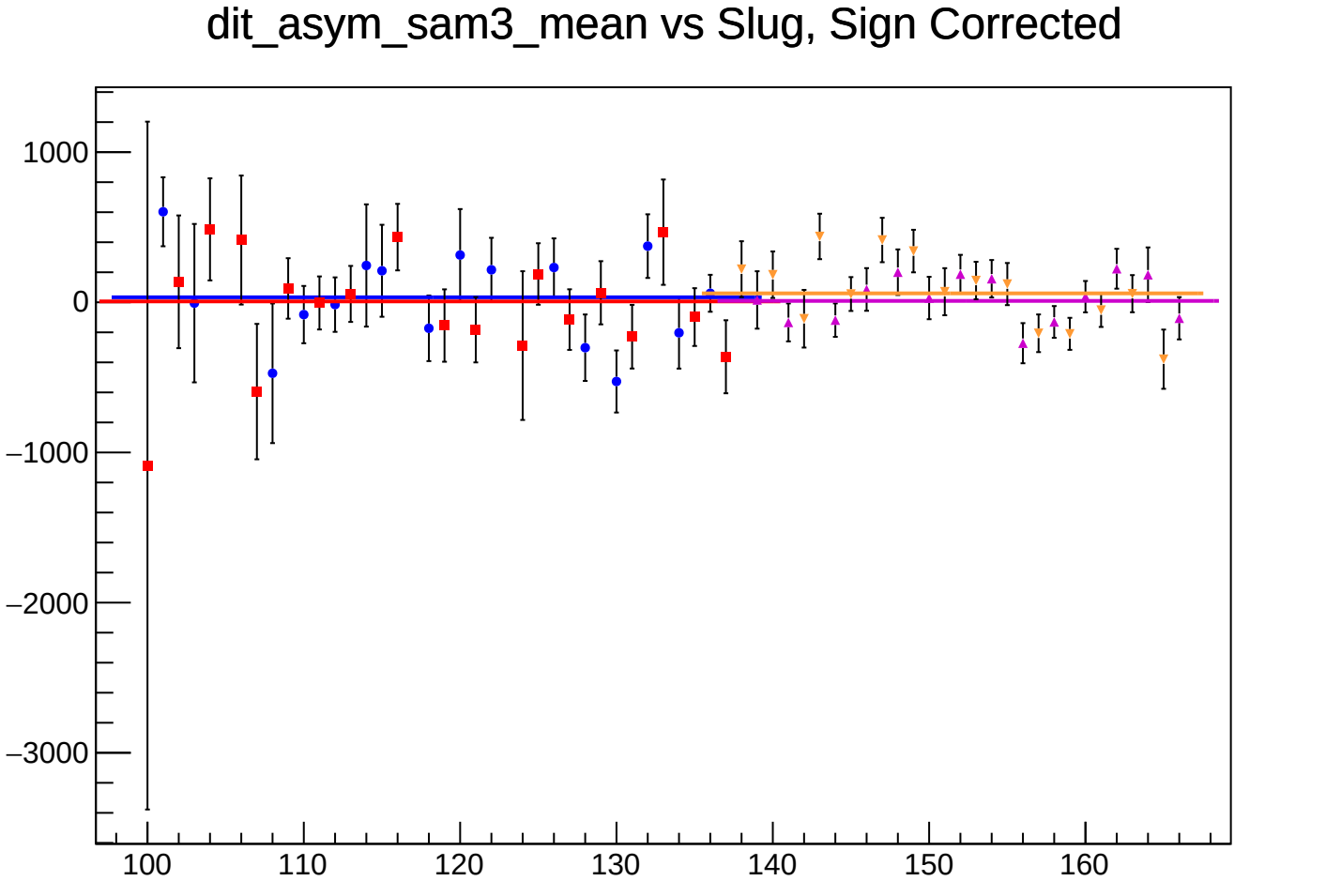
Left: 920.736+/-0.140 χ^2/NDF: 2767573.5/28

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1015.461+/-0.177 χ^2/NDF:4262771.5/29

Out: 1067.675+/-0.183 χ^2/NDF:3931710.9/33

All: 1040.788+/-0.127 χ^2/NDF: 8236576.7/63



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.612+/-35.506 χ^2/NDF:35.6/14

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 9.372+/-35.072 χ^2/NDF:18.3/13

Left: 34.183+/-24.952 χ^2/NDF: 54.9/28

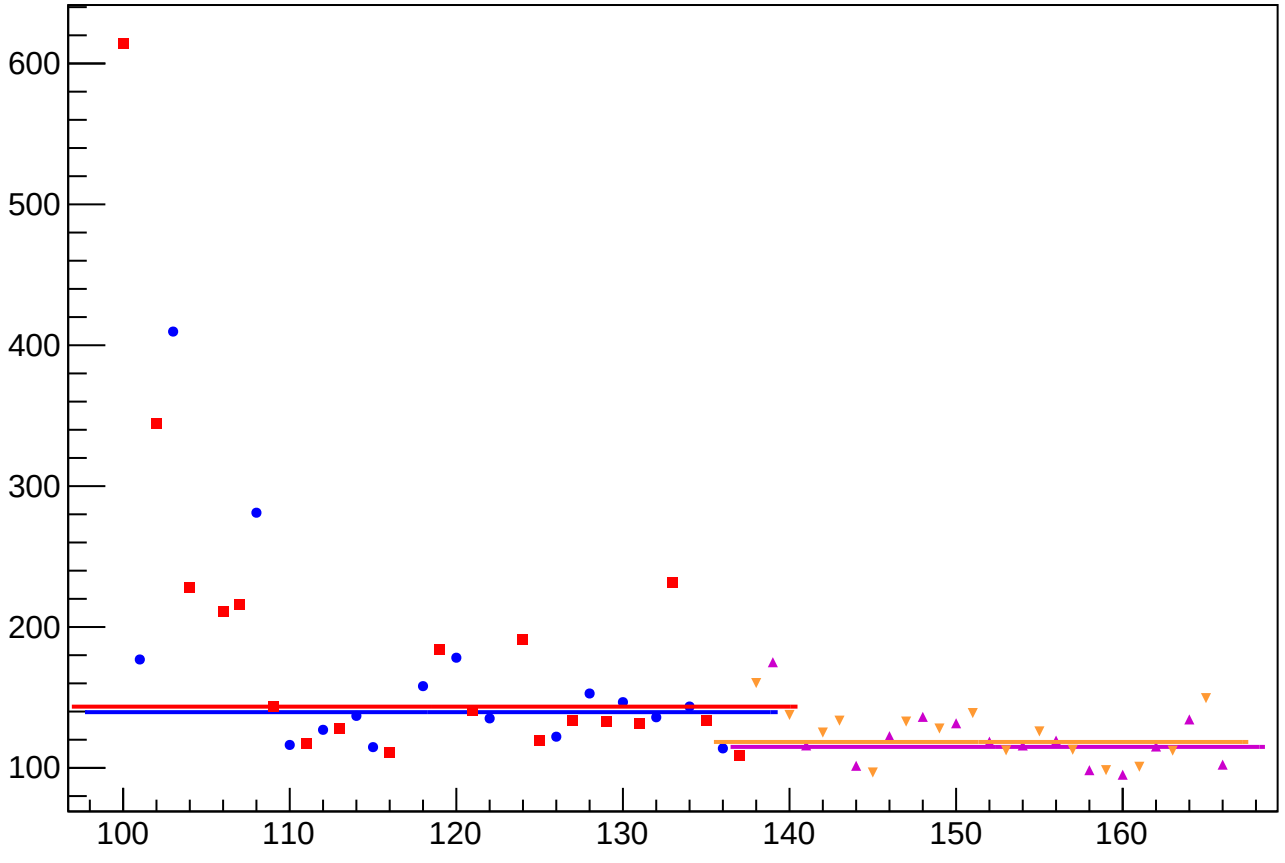
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 16.355+/-29.557 χ^2/NDF:43.6/29

Out: 44.306+/-30.000 χ^2/NDF:53.6/33

All: 30.122+/-21.055 χ^2/NDF: 97.6/63

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 118.414+/-0.025 χ^2/NDF:478778.2/14

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 114.907+/-0.025 χ^2/NDF:463495.7/13

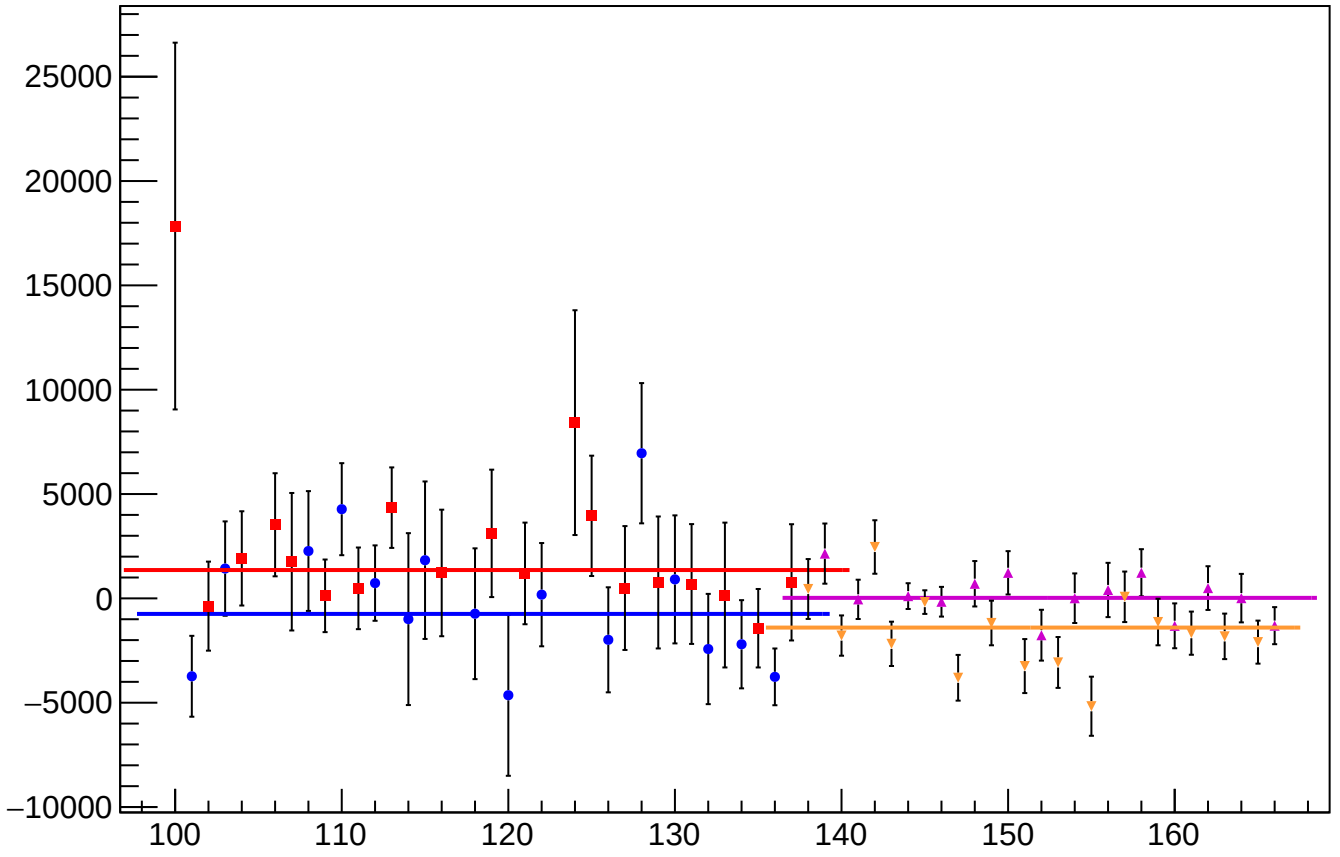
Left: 116.639+/-0.018 χ^2/NDF: 952151.4/28

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 122.052+/-0.021 χ^2/NDF:1726741.2/29

Out: 125.585+/-0.021 χ^2/NDF:1880586.9/33

All: 123.792+/-0.015 χ^2/NDF: 3621398.3/63



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1399.549+/-268.669 χ^2/NDF:34.2/14

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 24.381+/-262.485 χ^2/NDF:11.4/13

Left: -671.008+/-187.753 χ^2/NDF: 59.9/28

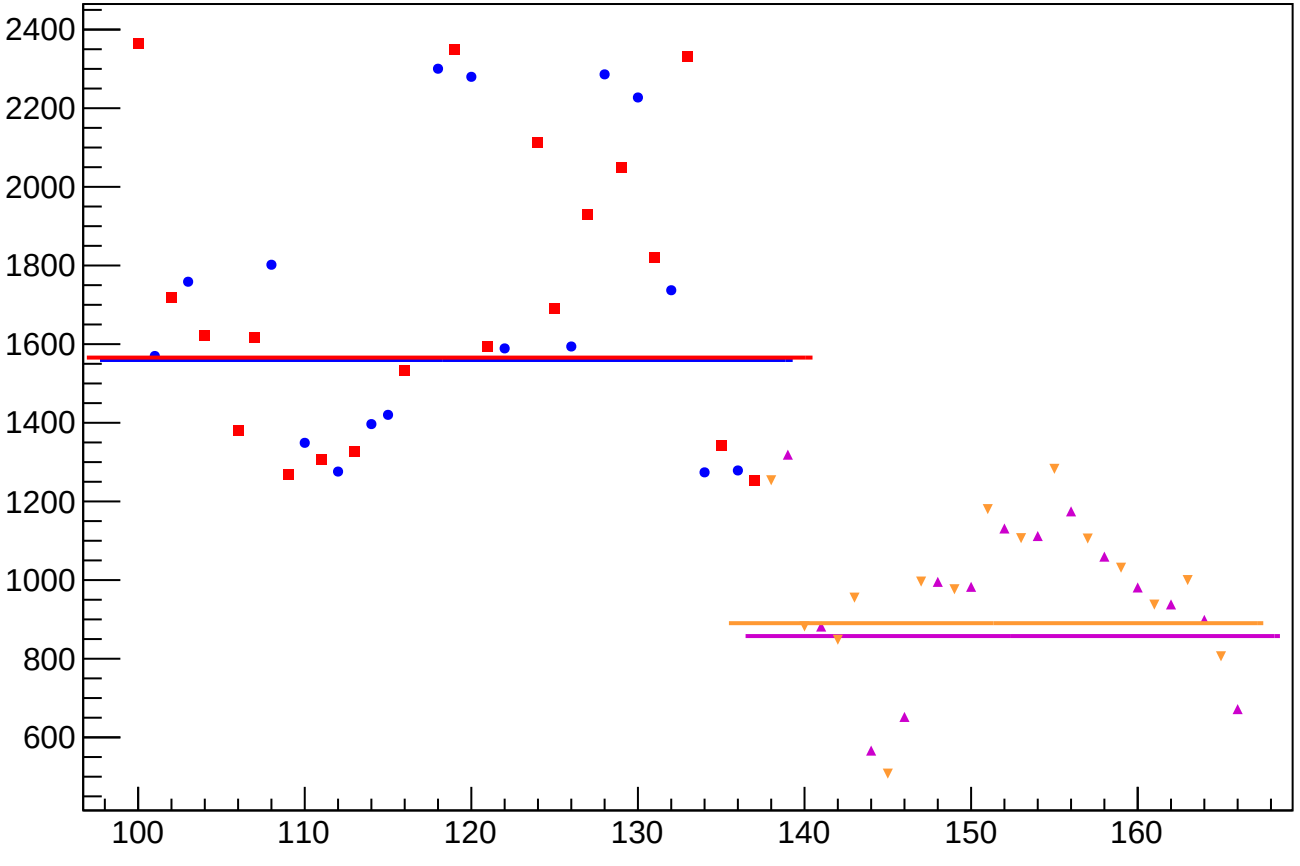
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -100.622+/-240.207 χ^2/NDF:36.2/29

Out: -920.346+/-244.210 χ^2/NDF:66.0/33

All: -503.711+/-171.250 χ^2/NDF: 107.9/63

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 890.397+/-0.190 χ^2/NDF:1533313.0/14

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 857.631+/-0.186 χ^2/NDF:1381992.8/13

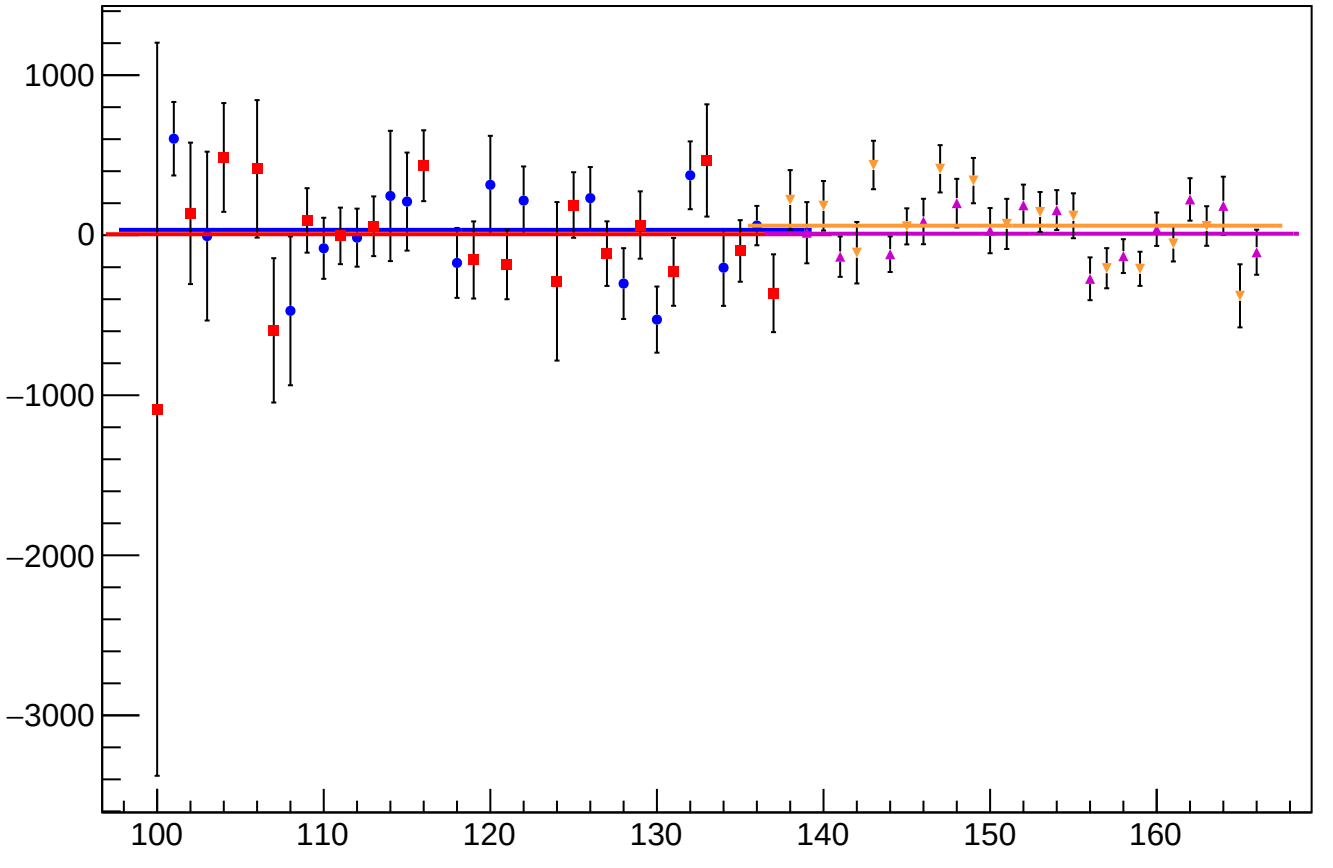
Left: 873.633+/-0.133 χ^2/NDF: 2930525.9/28

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 971.750+/-0.170 χ^2/NDF:4312058.3/29

Out: 1007.775+/-0.173 χ^2/NDF:4293742.6/33

All: 989.465+/-0.121 χ^2/NDF: 8627921.0/63



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.615+/-35.506 χ^2/NDF:35.6/14

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 9.371+/-35.072 χ^2/NDF:18.3/13

Left: 34.183+/-24.952 χ^2/NDF: 54.9/28

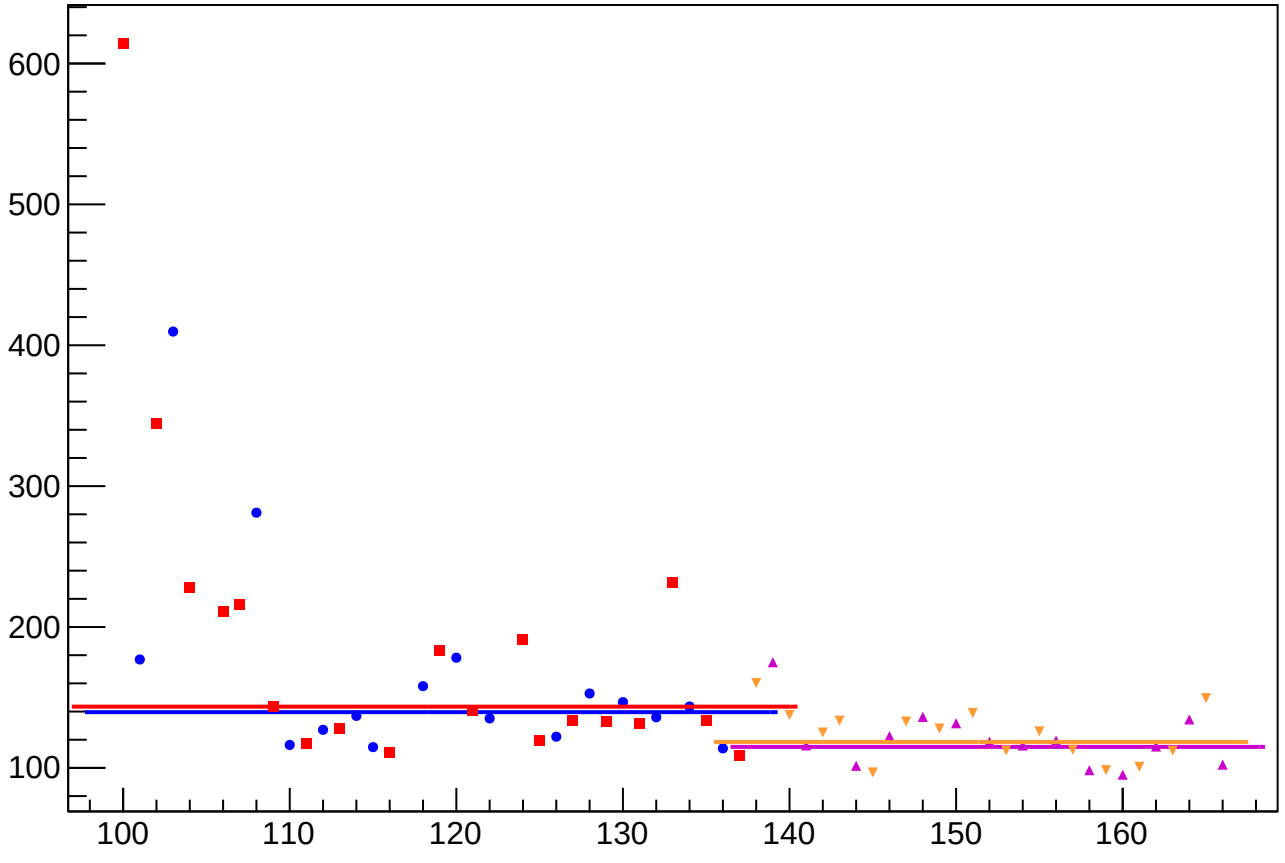
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 16.354+/-29.557 χ^2/NDF:43.6/29

Out: 44.306+/-30.001 χ^2/NDF:53.6/33

All: 30.122+/-21.055 χ^2/NDF: 97.6/63

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 118.415+/-0.025 χ^2/NDF:478789.8/14

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.907+/-0.025 χ^2/NDF:463505.9/13

Left: 116.639+/-0.018 χ^2/NDF: 952173.7/28

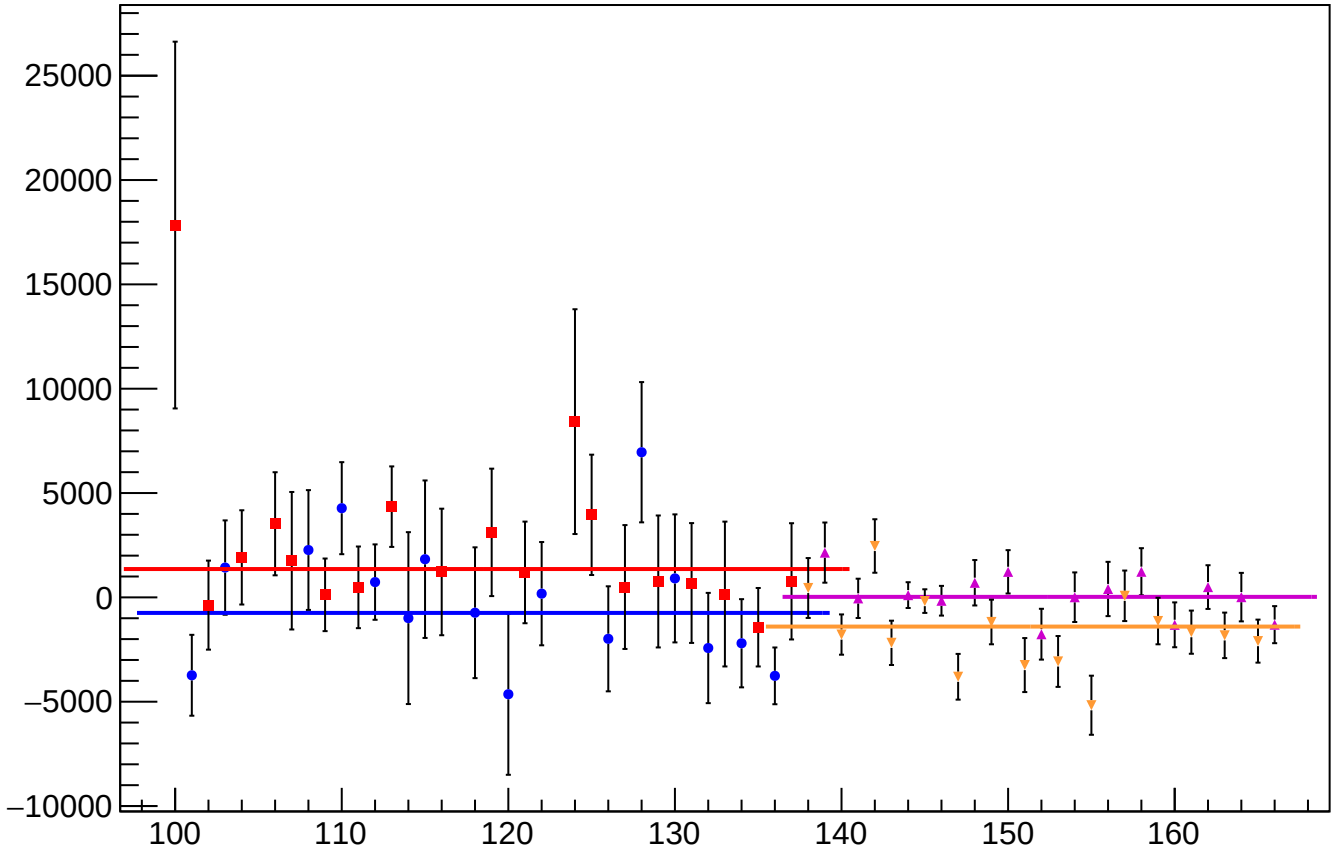
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 122.053+/-0.021 χ^2/NDF:1726749.1/29

Out: 125.585+/-0.021 χ^2/NDF:1880601.3/33

All: 123.793+/-0.015 χ^2/NDF: 3621421.5/63

asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1399.550+/-268.669 χ^2/NDF:34.2/14

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 24.380+/-262.484 χ^2/NDF:11.4/13

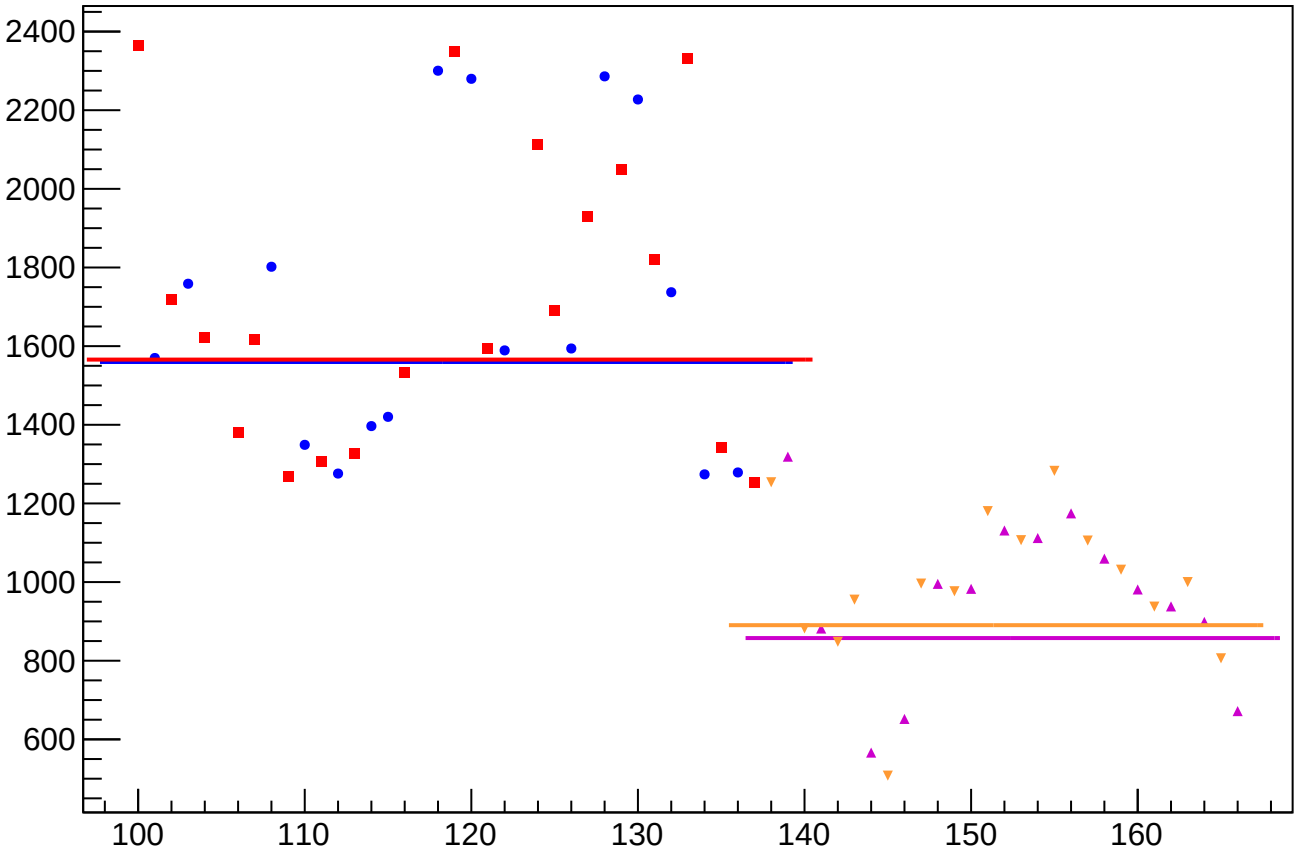
Left: -671.008+/-187.753 χ^2/NDF: 59.9/28

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -100.622+/-240.207 χ^2/NDF:36.2/29

Out: -920.346+/-244.210 χ^2/NDF:66.0/33

All: -503.711+/-171.250 χ^2/NDF: 107.9/63



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 890.396+/-0.190 χ^2/NDF:1533309.6/14

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 857.630+/-0.186 χ^2/NDF:1381989.4/13

Left: 873.632+/-0.133 χ^2/NDF: 2930519.2/28

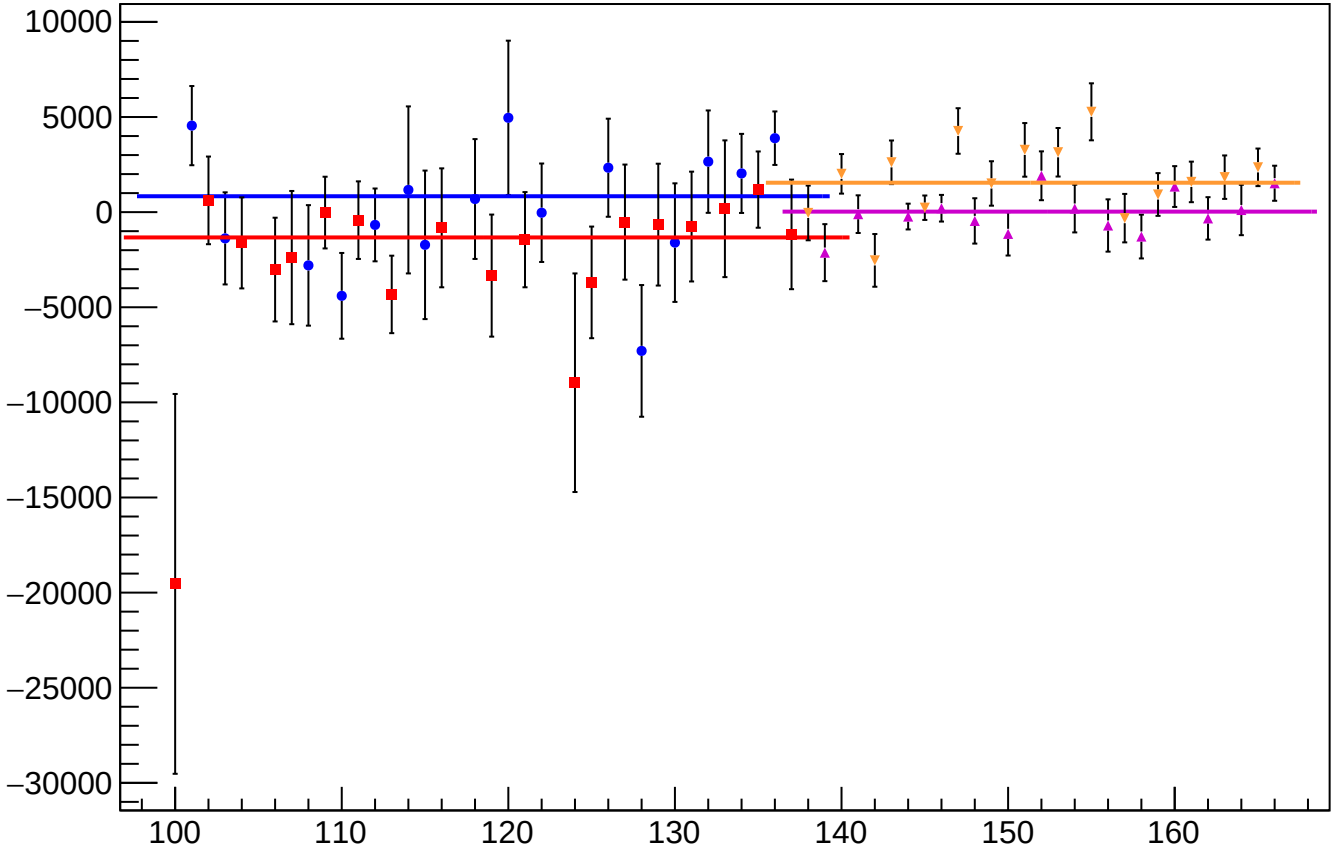
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 971.749+/-0.170 χ^2/NDF:4312056.1/29

Out: 1007.773+/-0.173 χ^2/NDF:4293736.1/33

All: 989.464+/-0.121 χ^2/NDF: 8627912.2/63

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1546.307+/-286.394 χ^2/NDF:32.8/14

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 26.605+/-276.262 χ^2/NDF:11.5/13

Left: 759.098+/-198.832 χ^2/NDF: 58.9/28

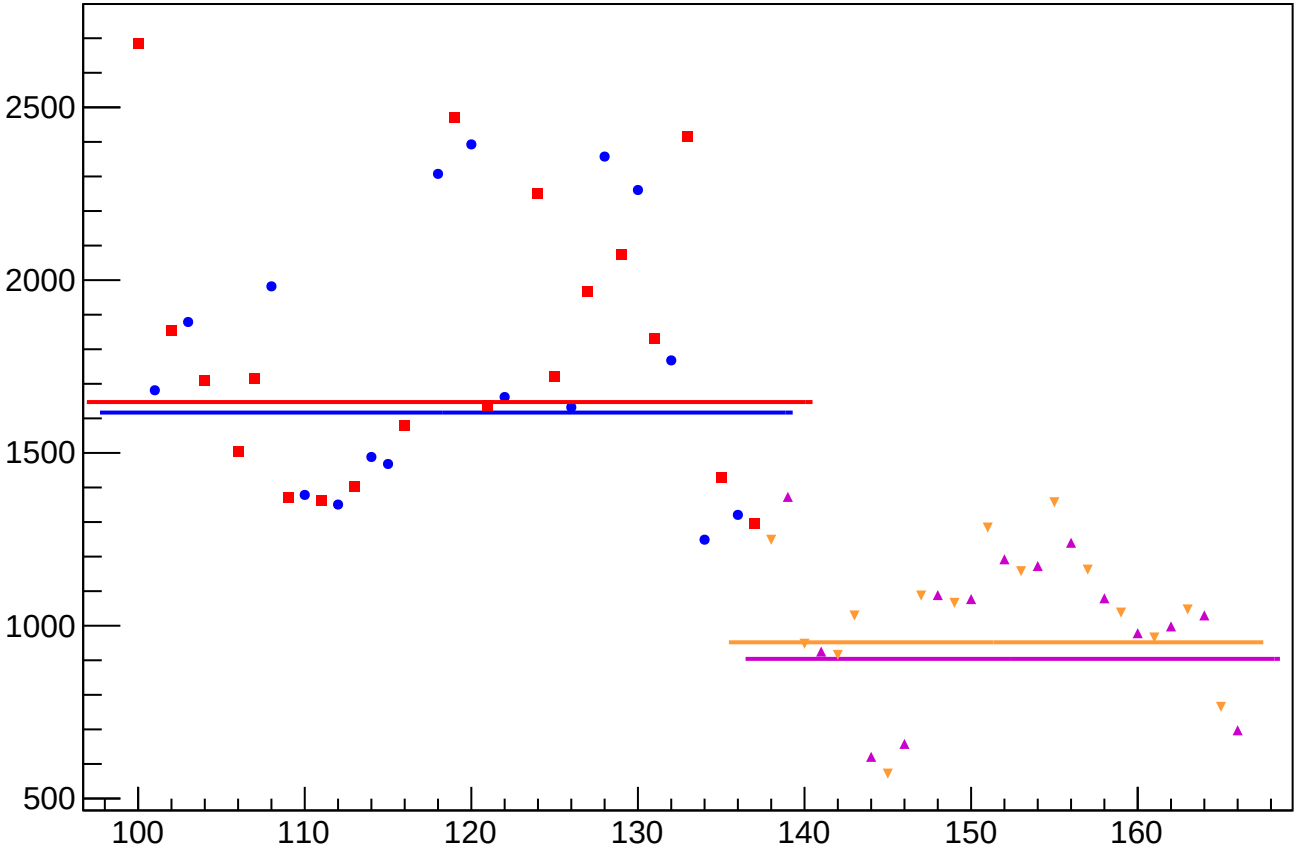
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 161.043+/-252.262 χ^2/NDF:37.8/29

Out: 1035.745+/-259.731 χ^2/NDF:62.8/33

All: 585.637+/-180.959 χ^2/NDF: 106.5/63

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 952.009+/-0.203 χ^2/NDF:1302465.5/14

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 904.092+/-0.195 χ^2/NDF:1388423.6/13

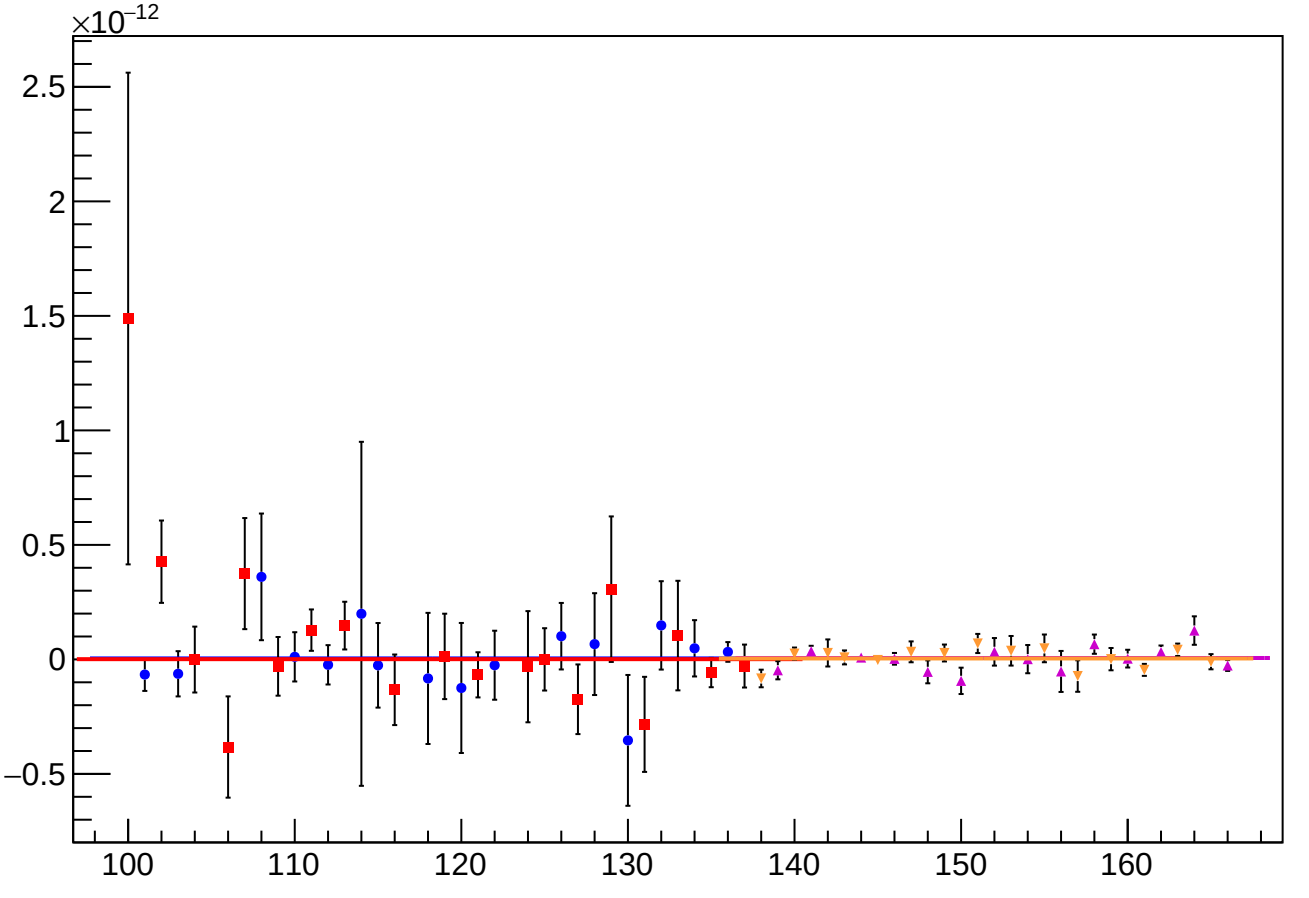
Left: 927.188+/-0.141 χ^2/NDF: 2719889.5/28

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1022.545+/-0.178 χ^2/NDF:4223009.4/29

Out: 1075.434+/-0.184 χ^2/NDF:3918635.8/33

All: 1048.218+/-0.128 χ^2/NDF: 8184319.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/13

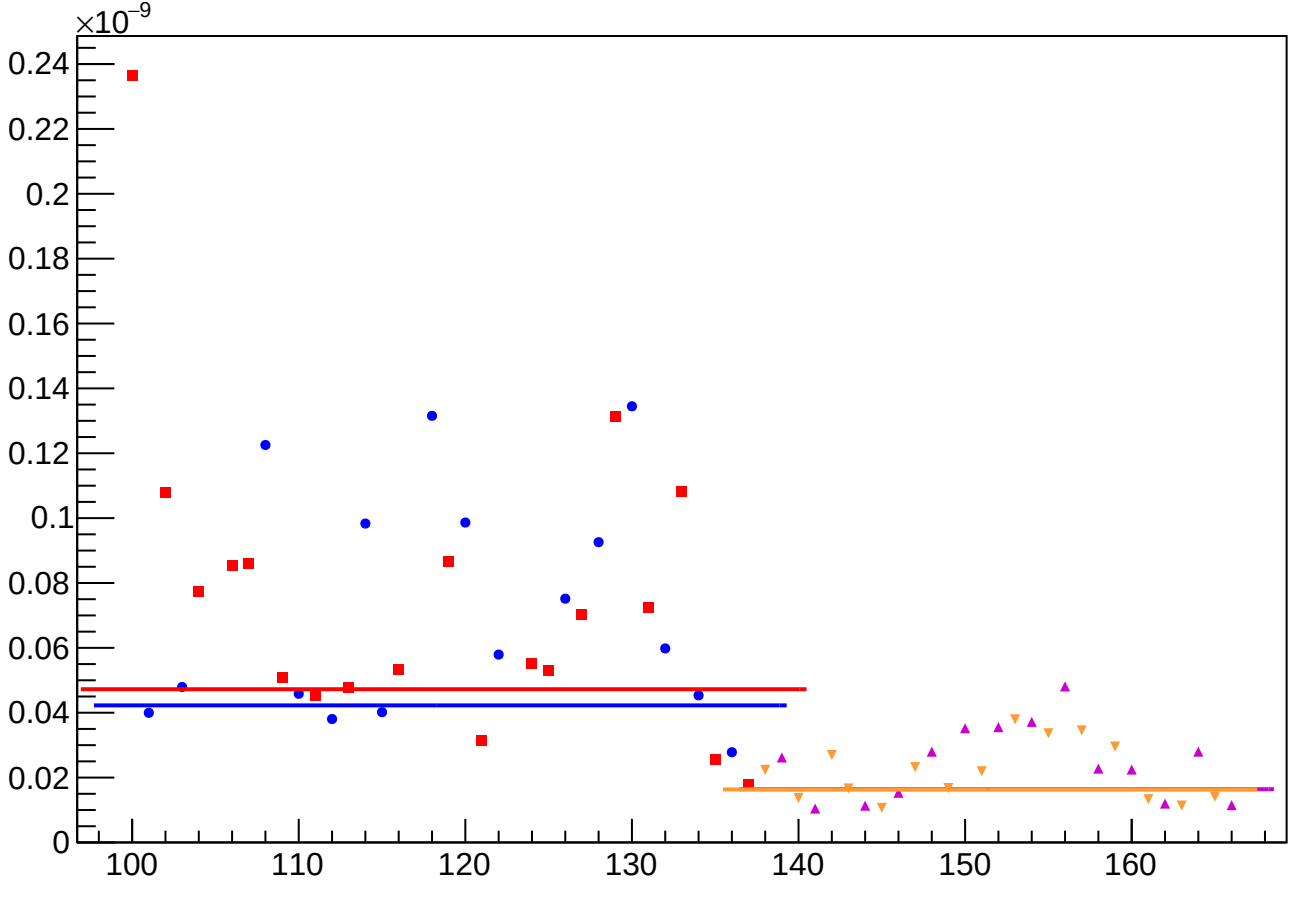
Left: 0.000+/-0.000 χ^2/NDF: 34.2/28

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: 0.000+/-0.000 χ^2/NDF:40.6/33

All: 0.000+/-0.000 χ^2/NDF: 64.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1182659.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1707700.1/13

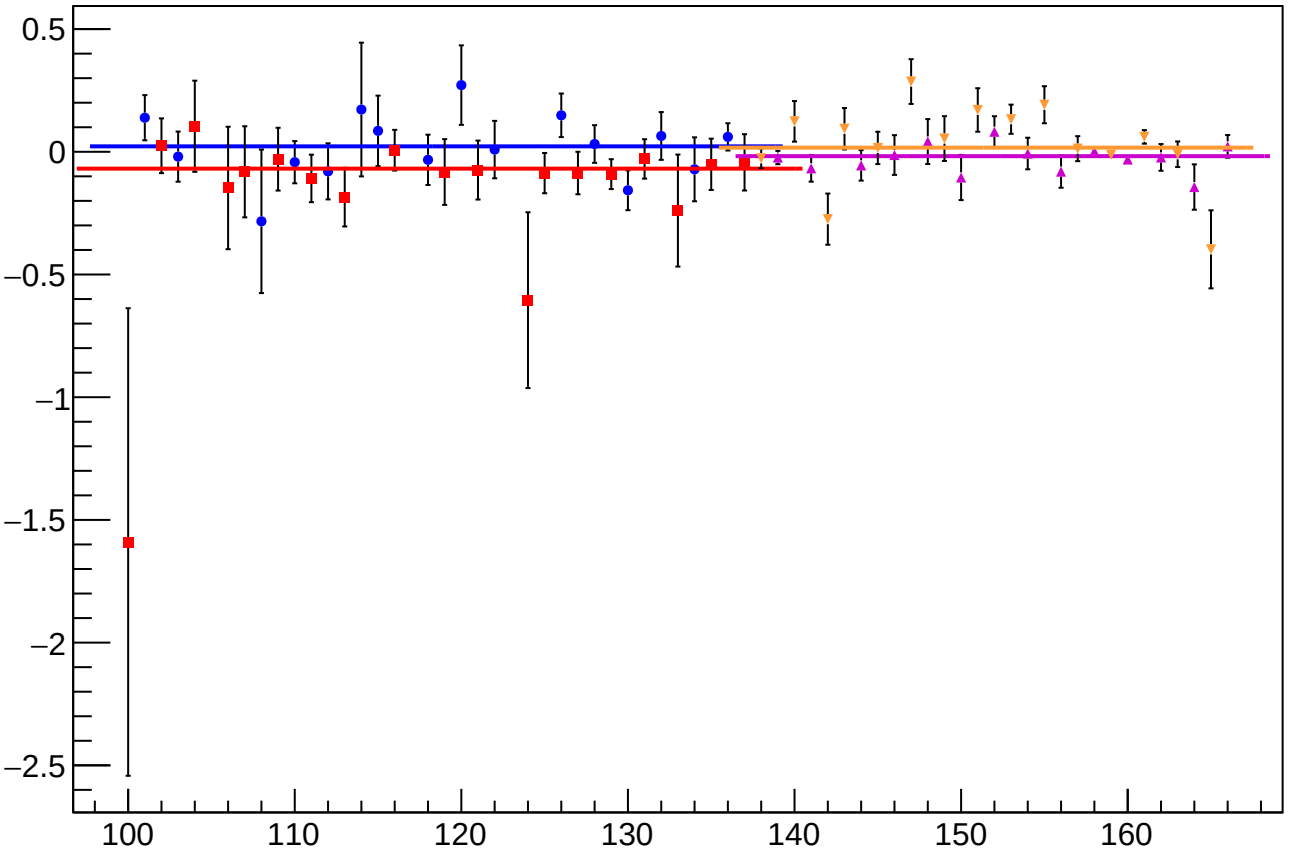
Left: 0.000+/-0.000 χ^2/NDF: 2890443.7/28

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4485044.5/29

Out: 0.000+/-0.000 χ^2/NDF:4514140.3/33

All: 0.000+/-0.000 χ^2/NDF: 8999502.3/63



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

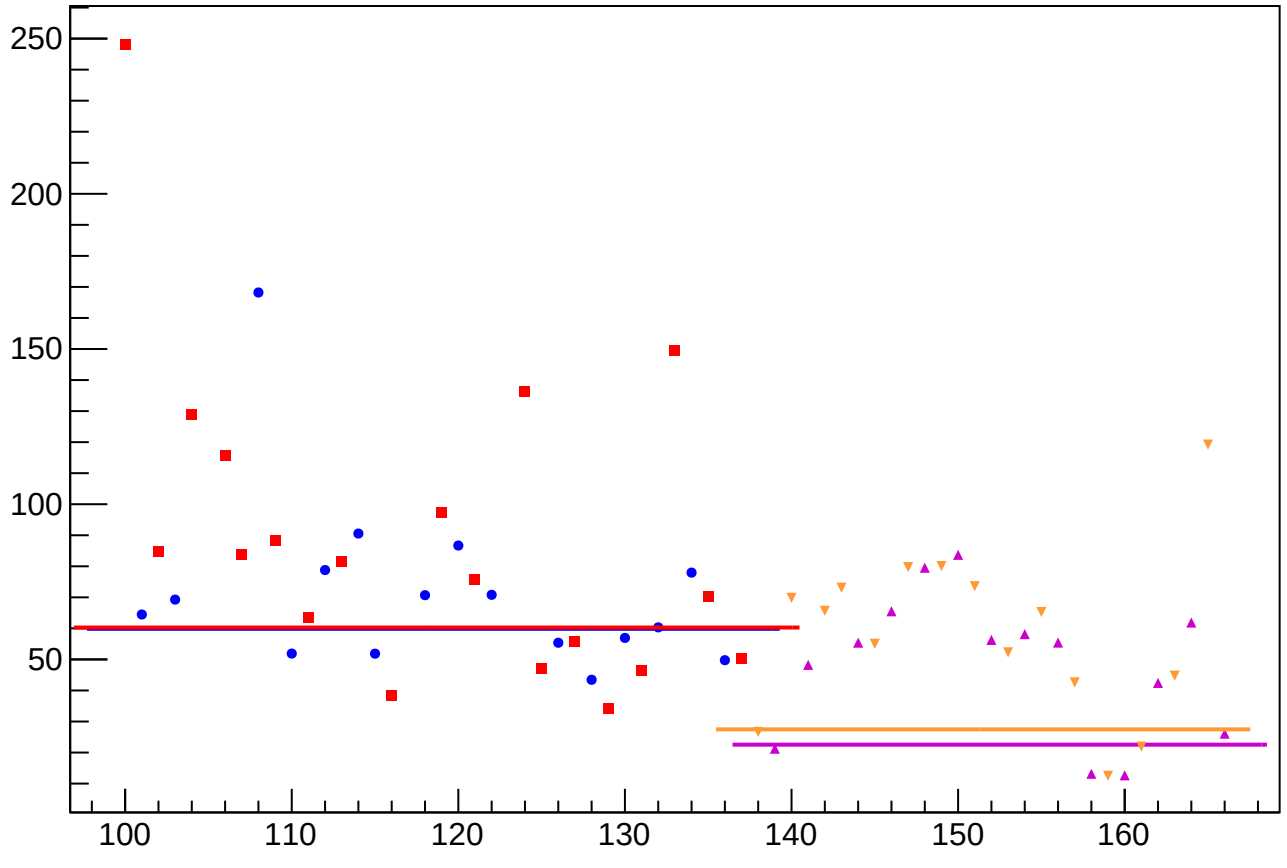
Left: -0.003+/-0.007 χ^2/NDF: 62.3/28

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 95.0/63



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.537+/-0.007 χ^2/NDF:6977469.3/13

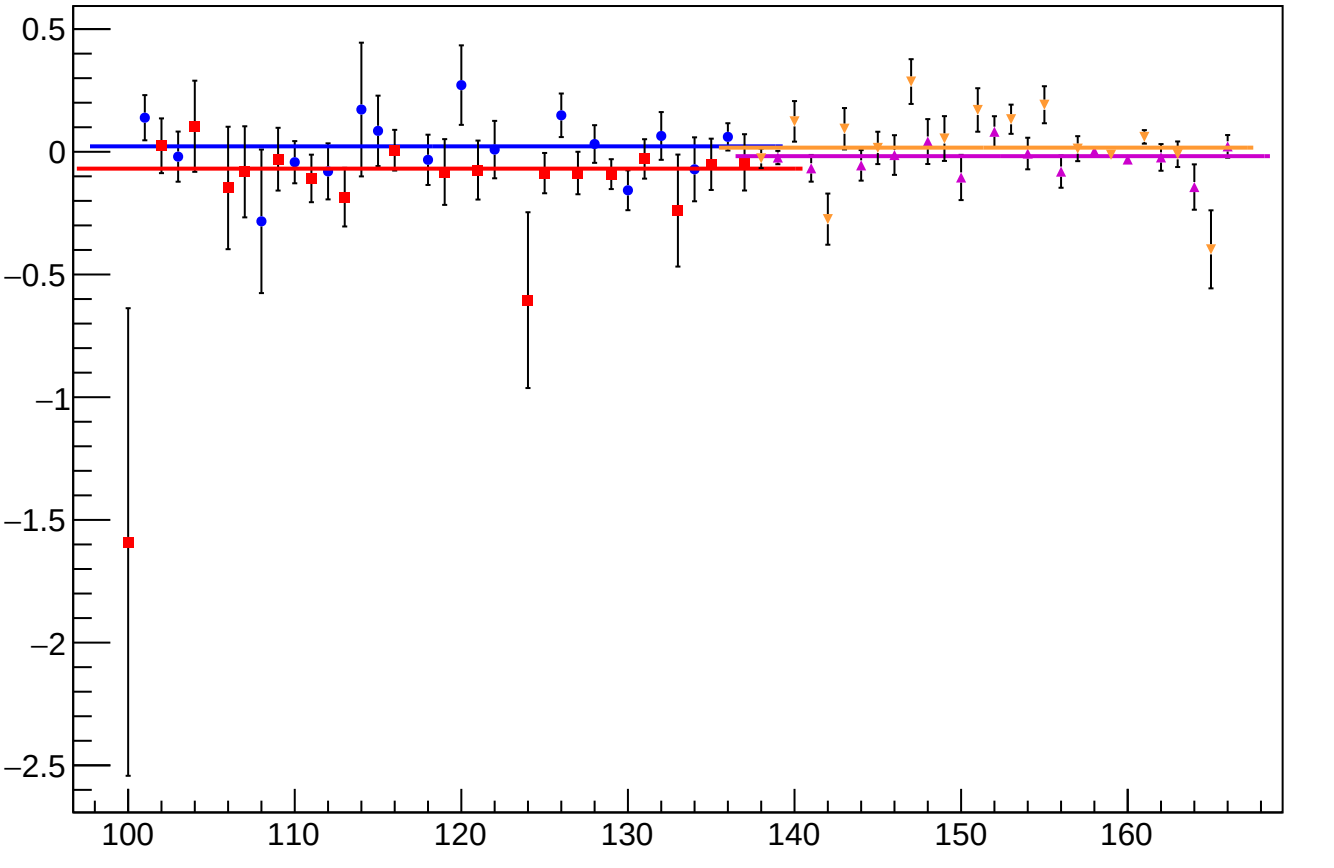
Left: 24.598+/-0.005 χ^2/NDF: 14675178.9/28

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.150+/-0.006 χ^2/NDF:11688546.7/29

Out: 32.640+/-0.007 χ^2/NDF:12276484.4/33

All: 29.498+/-0.005 χ^2/NDF: 24307609.8/63



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

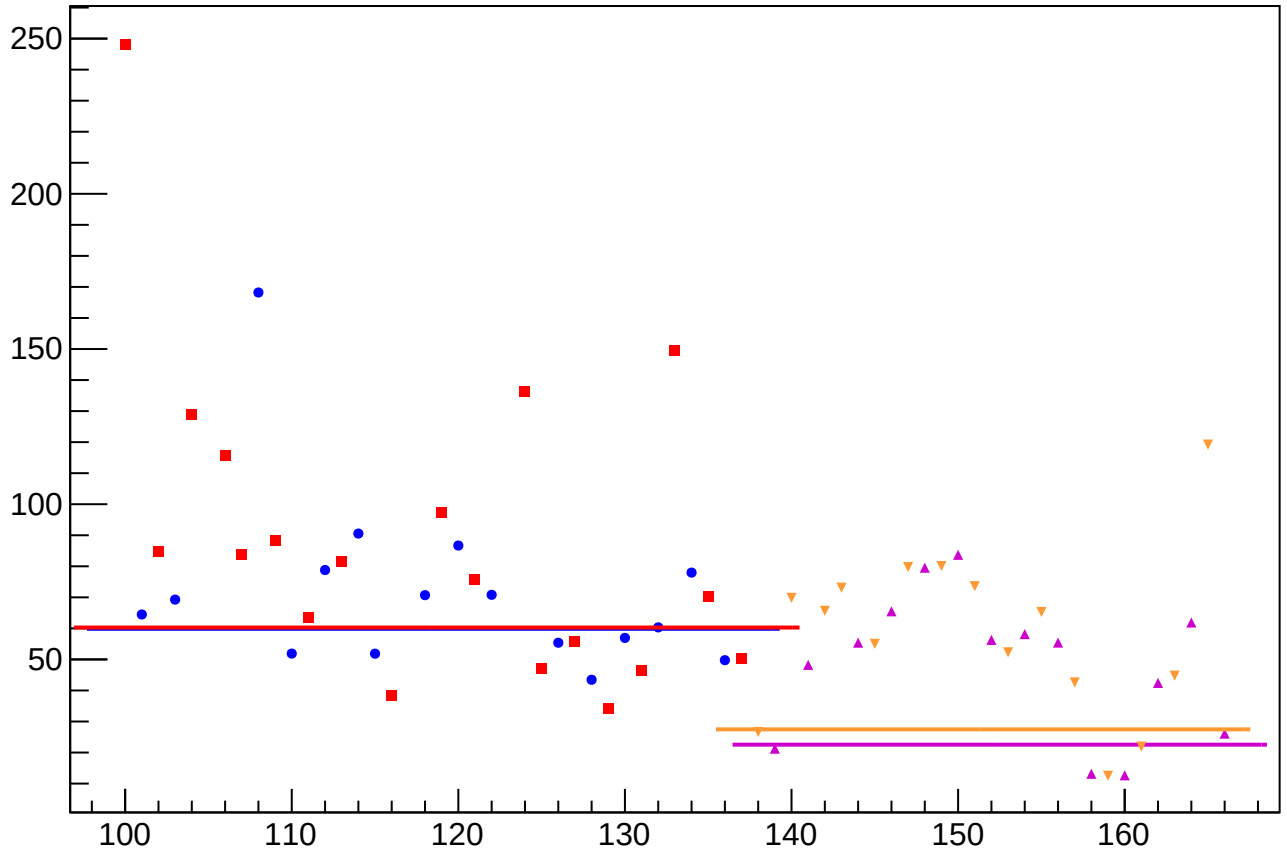
Left: -0.003+/-0.007 χ^2/NDF: 62.3/28

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 95.0/63



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.537+/-0.007 χ^2/NDF:6977469.3/13

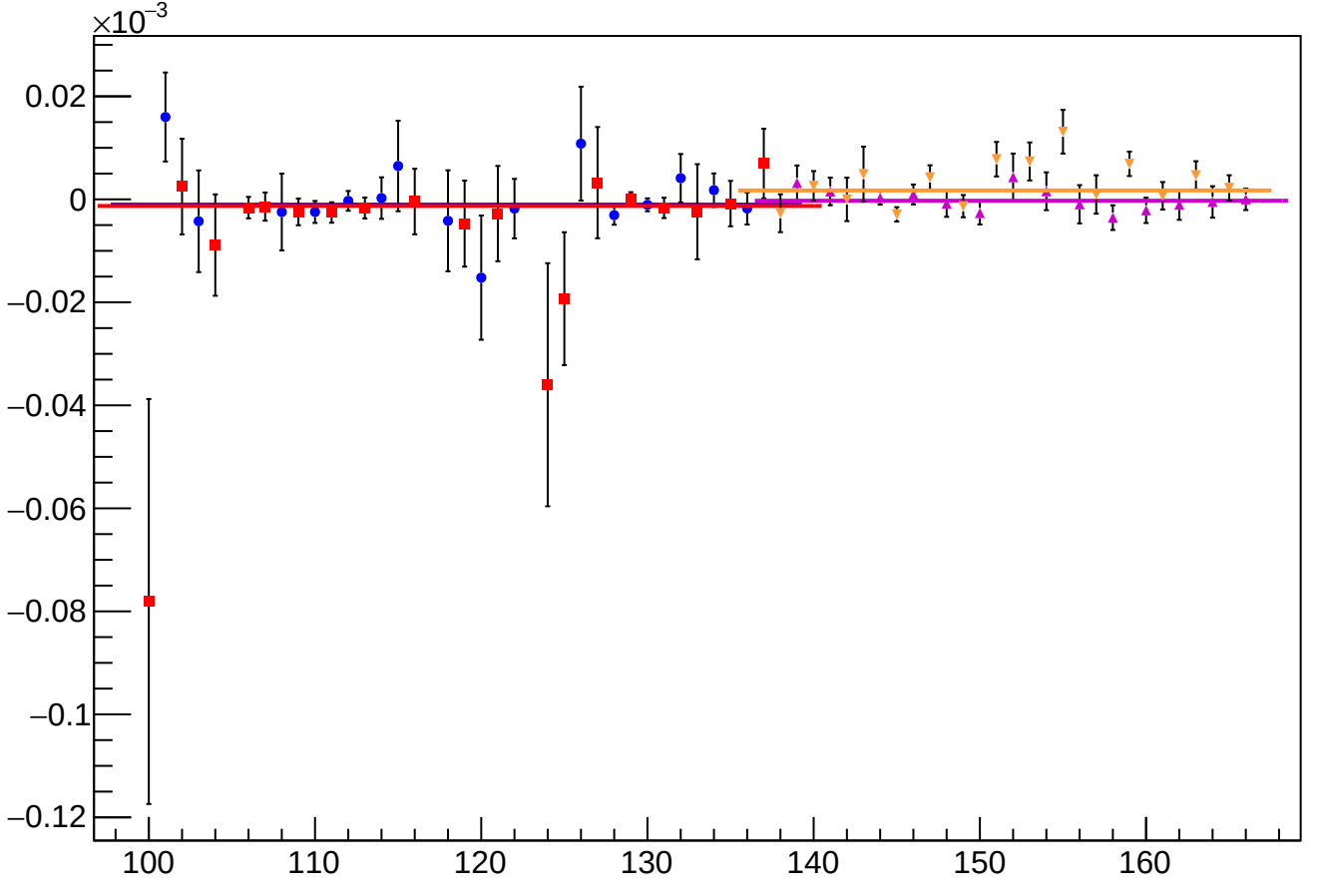
Left: 24.598+/-0.005 χ^2/NDF: 14675178.9/28

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.150+/-0.006 χ^2/NDF:11688546.7/29

Out: 32.640+/-0.007 χ^2/NDF:12276484.4/33

All: 29.498+/-0.005 χ^2/NDF: 24307609.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/13

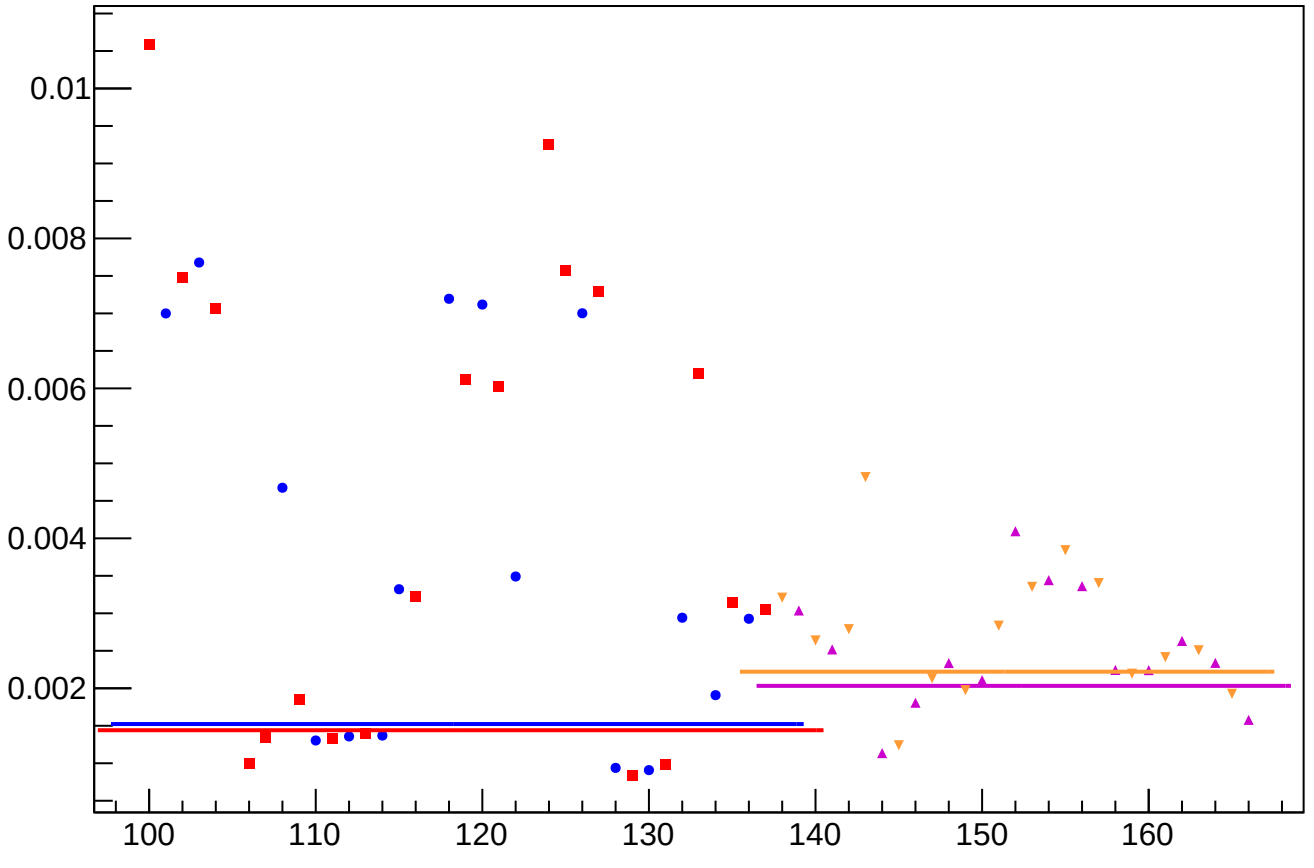
Left: 0.000+/-0.000 χ^2/NDF: 46.8/28

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.0/29

Out: 0.000+/-0.000 χ^2/NDF:57.1/33

All: -0.000+/-0.000 χ^2/NDF: 77.6/63



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2517800.4/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2425780.9/13

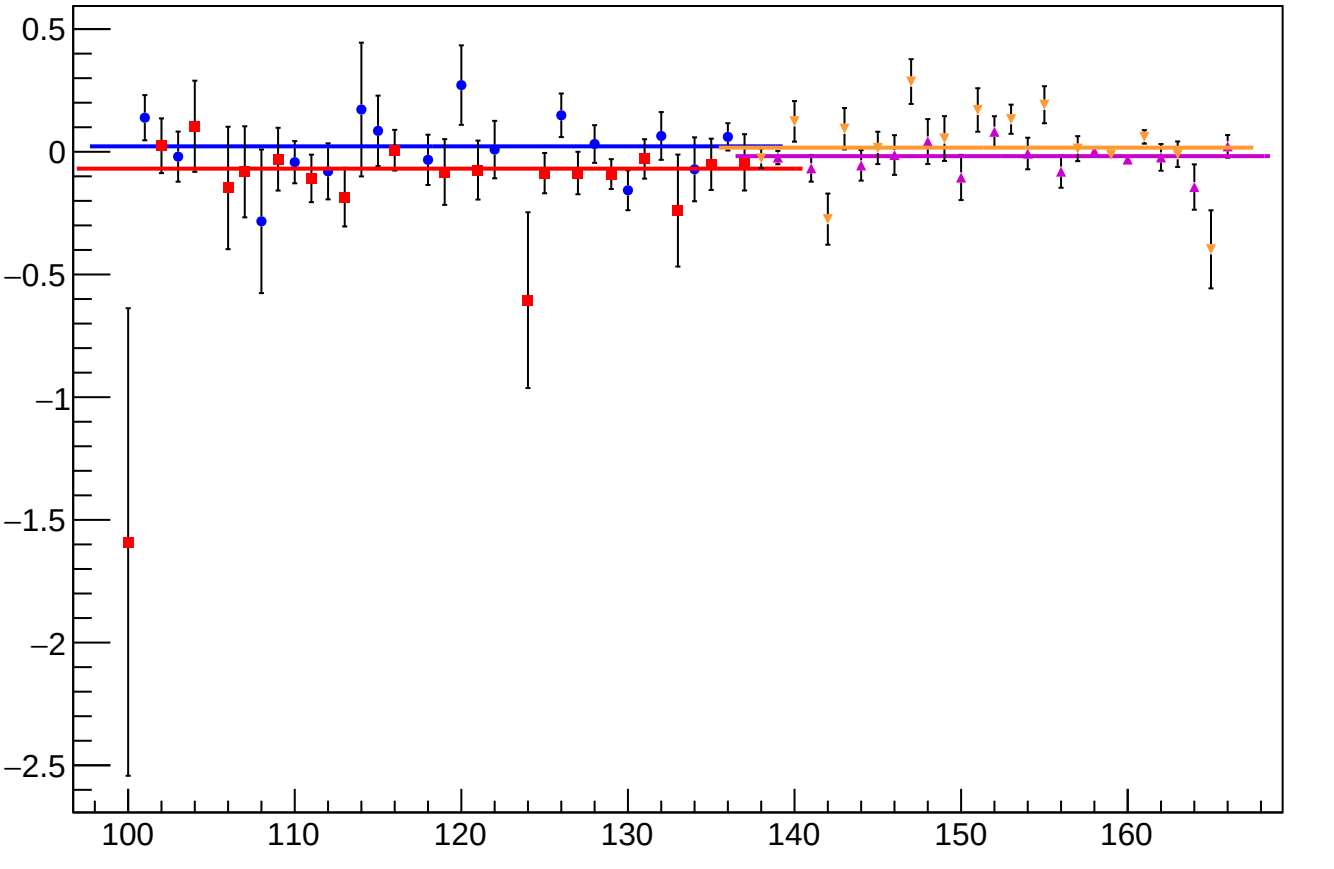
Left: 0.002+/-0.000 χ^2/NDF: 5023836.2/28

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8150074.0/29

Out: 0.002+/-0.000 χ^2/NDF:9570366.5/33

All: 0.002+/-0.000 χ^2/NDF: 17722678.8/63



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

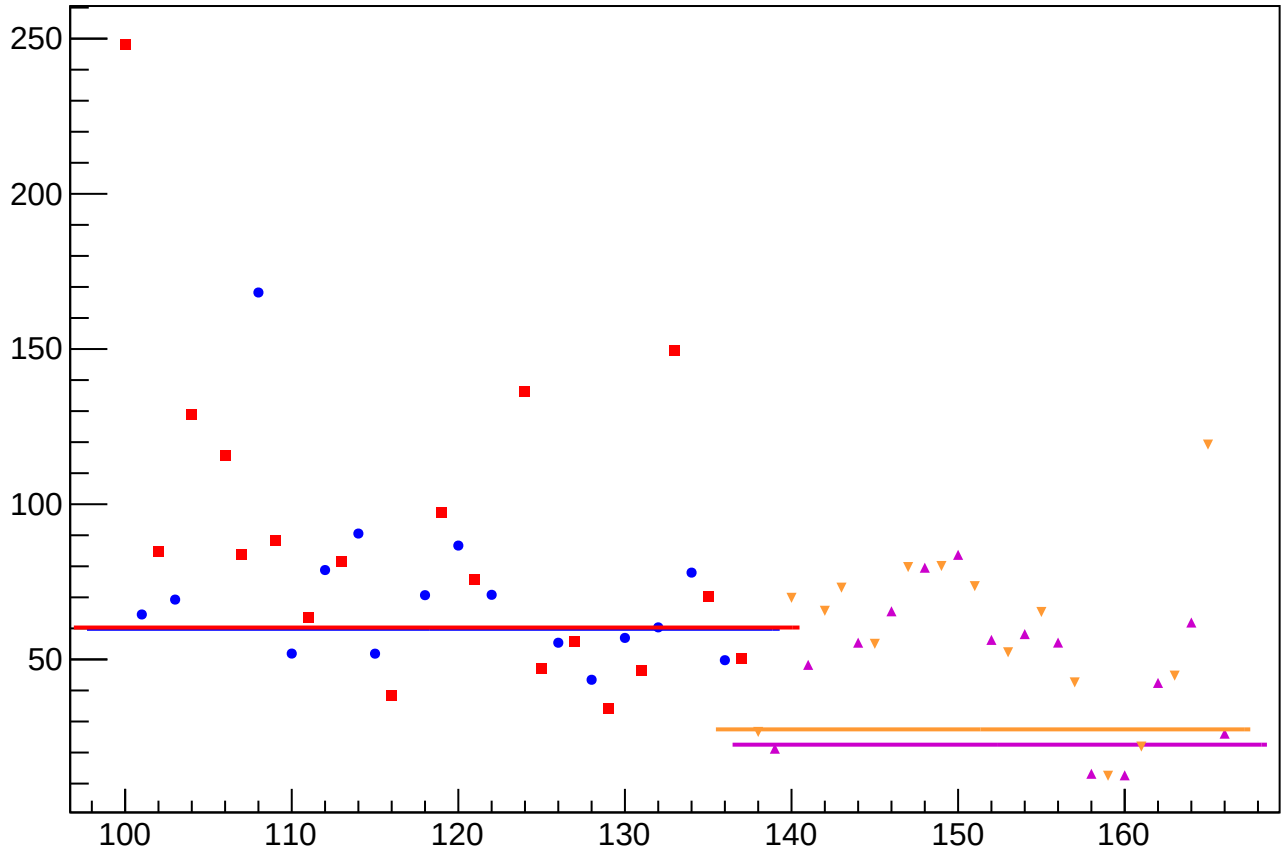
Left: -0.003+/-0.007 χ^2/NDF: 62.3/28

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 95.0/63



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.466+/-0.008 χ^2/NDF:7461964.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.537+/-0.007 χ^2/NDF:6977851.1/13

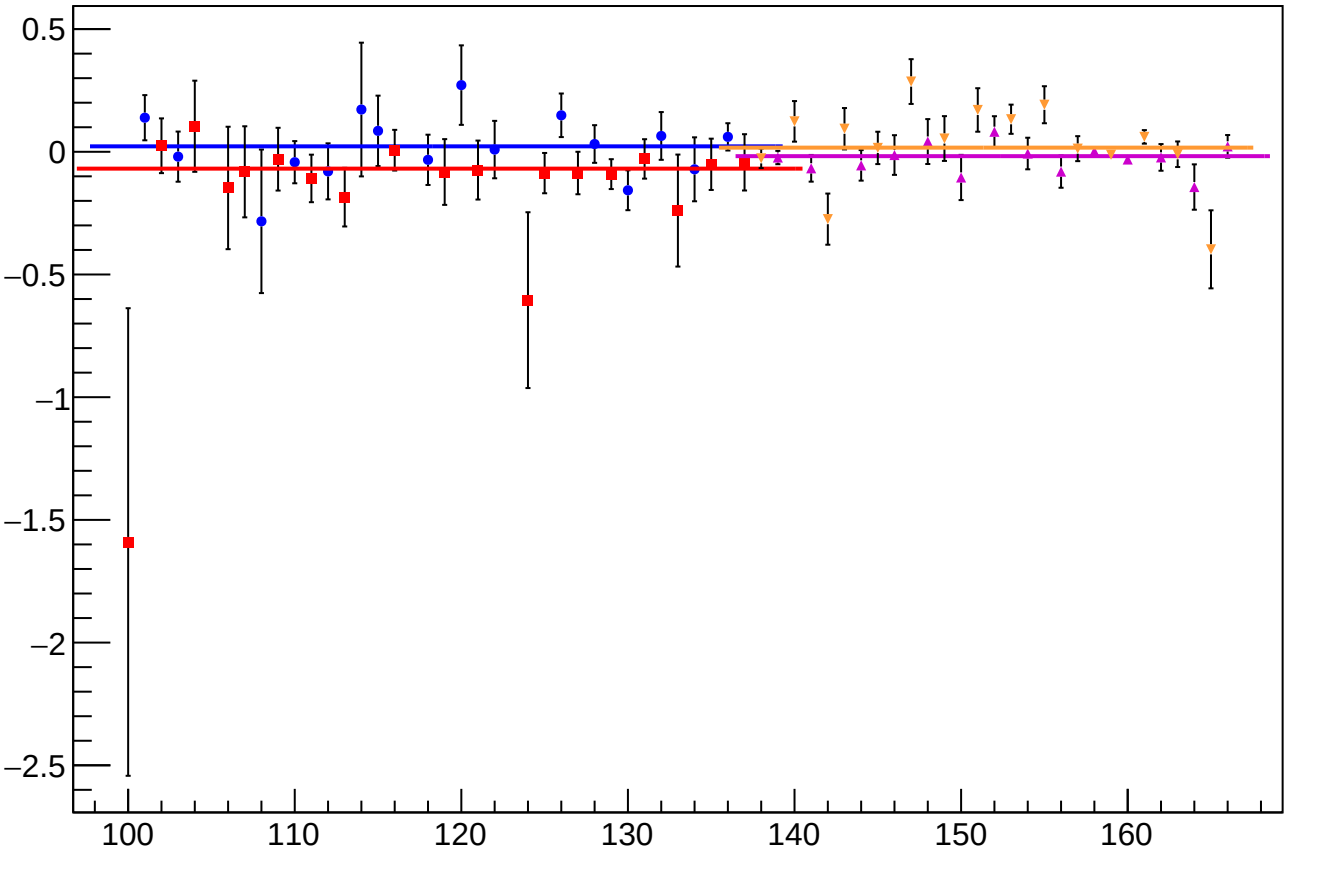
Left: 24.597+/-0.005 χ^2/NDF: 14676426.6/28

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.149+/-0.006 χ^2/NDF:11689207.5/29

Out: 32.638+/-0.007 χ^2/NDF:12278041.8/33

All: 29.496+/-0.005 χ^2/NDF: 24309644.3/63



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.009 χ^2/NDF:10.8/13

Left: -0.003+/-0.007 χ^2/NDF: 62.3/28

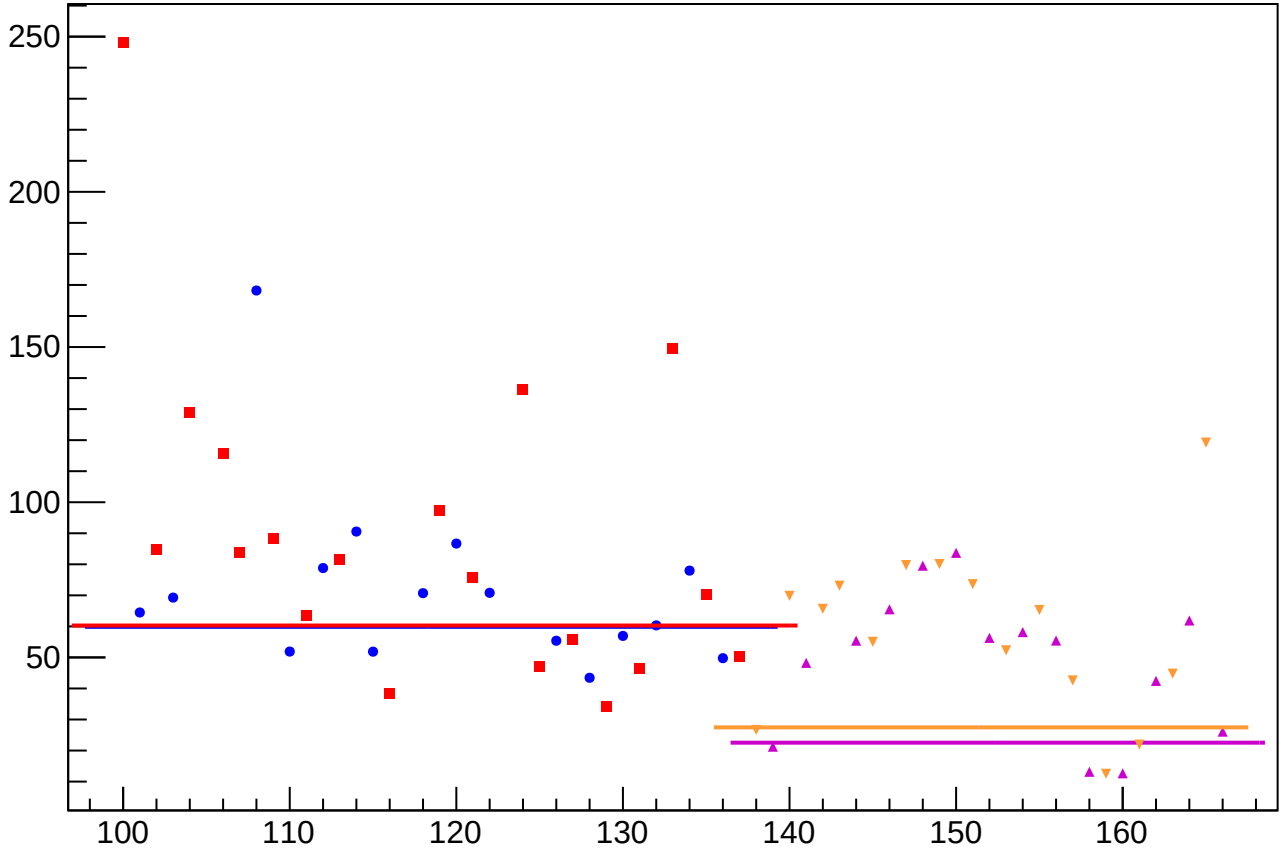
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:28.6/29

Out: 0.003+/-0.010 χ^2/NDF:64.9/33

All: -0.006+/-0.007 χ^2/NDF: 95.0/63

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.466+/-0.008 χ^2/NDF:7461964.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.537+/-0.007 χ^2/NDF:6977851.1/13

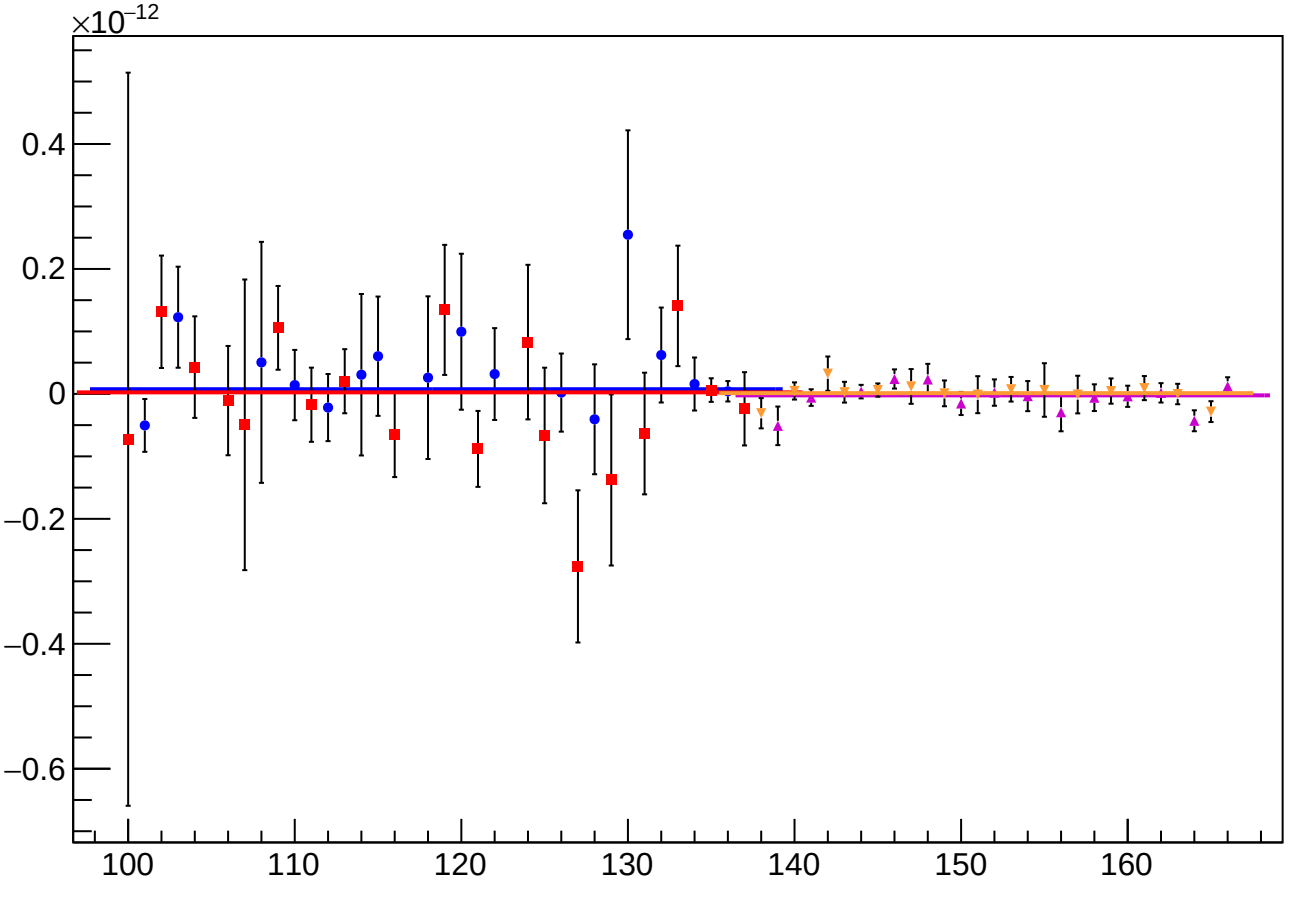
Left: 24.597+/-0.005 χ^2/NDF: 14676426.6/28

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.149+/-0.006 χ^2/NDF:11689207.5/29

Out: 32.638+/-0.007 χ^2/NDF:12278041.8/33

All: 29.496+/-0.005 χ^2/NDF: 24309644.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/13

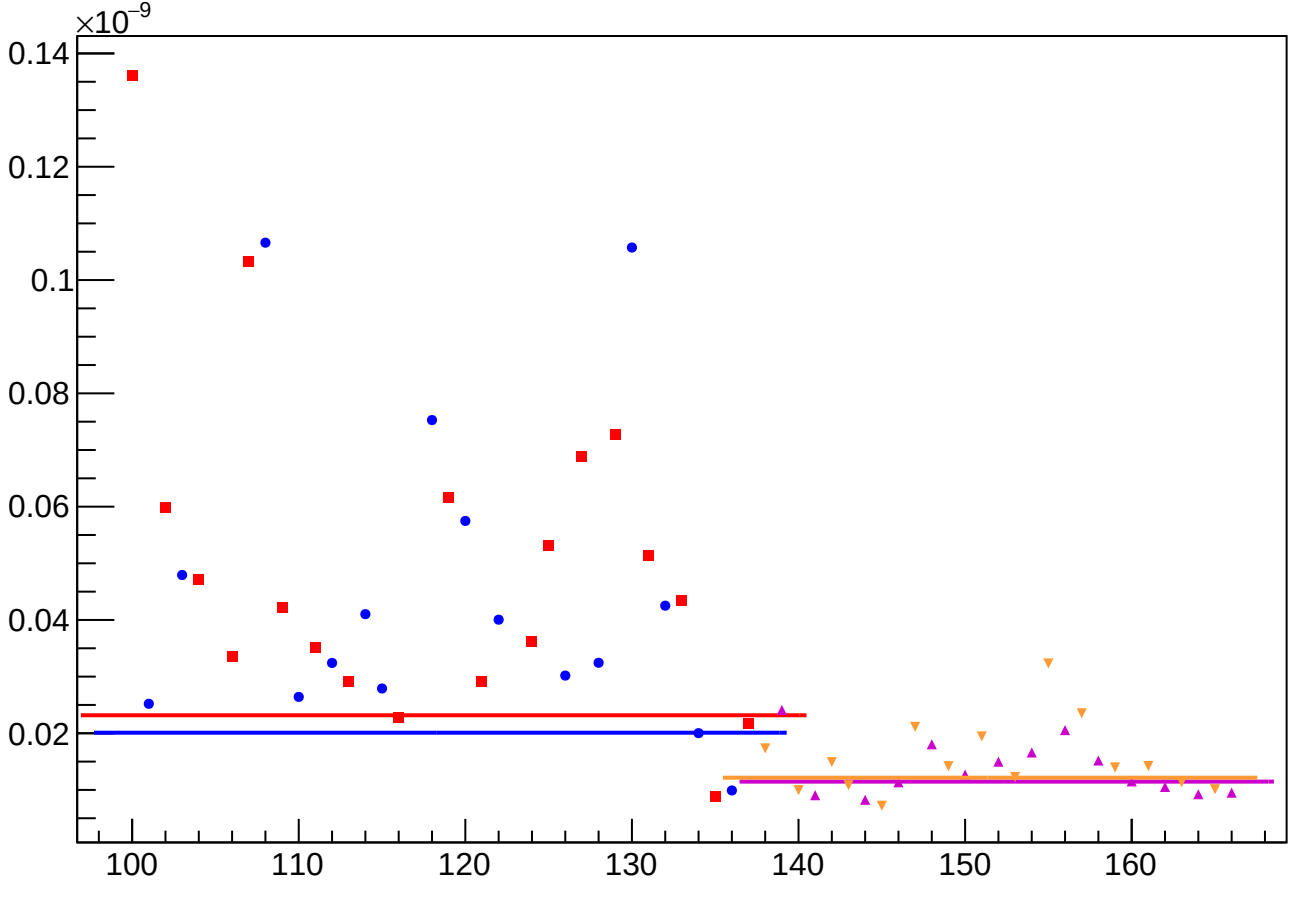
Left: -0.000+/-0.000 χ^2/NDF: 22.4/28

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.1/29

Out: 0.000+/-0.000 χ^2/NDF:26.7/33

All: 0.000+/-0.000 χ^2/NDF: 50.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761022.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1187982.6/13

Left: 0.000+/-0.000 χ^2/NDF: 2970556.4/28

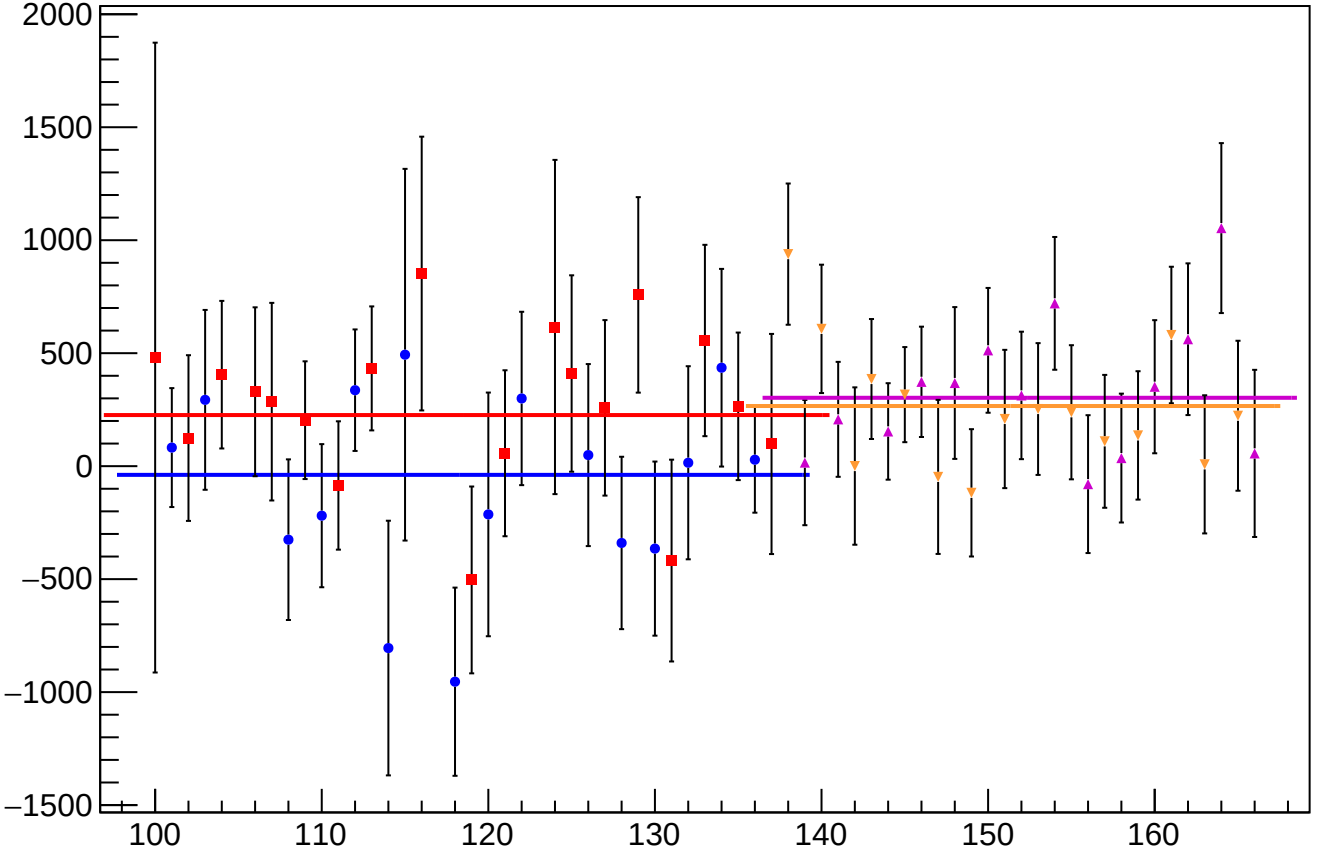
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:5192958.7/29

Out: 0.000+/-0.000 χ^2/NDF:6467260.6/33

All: 0.000+/-0.000 χ^2/NDF: 11698599.0/63

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.194+/-75.095 χ^2/NDF:12.0/14

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 302.620+/-76.441 χ^2/NDF:11.9/13

Left: 284.084+/-53.570 χ^2/NDF: 24.0/28

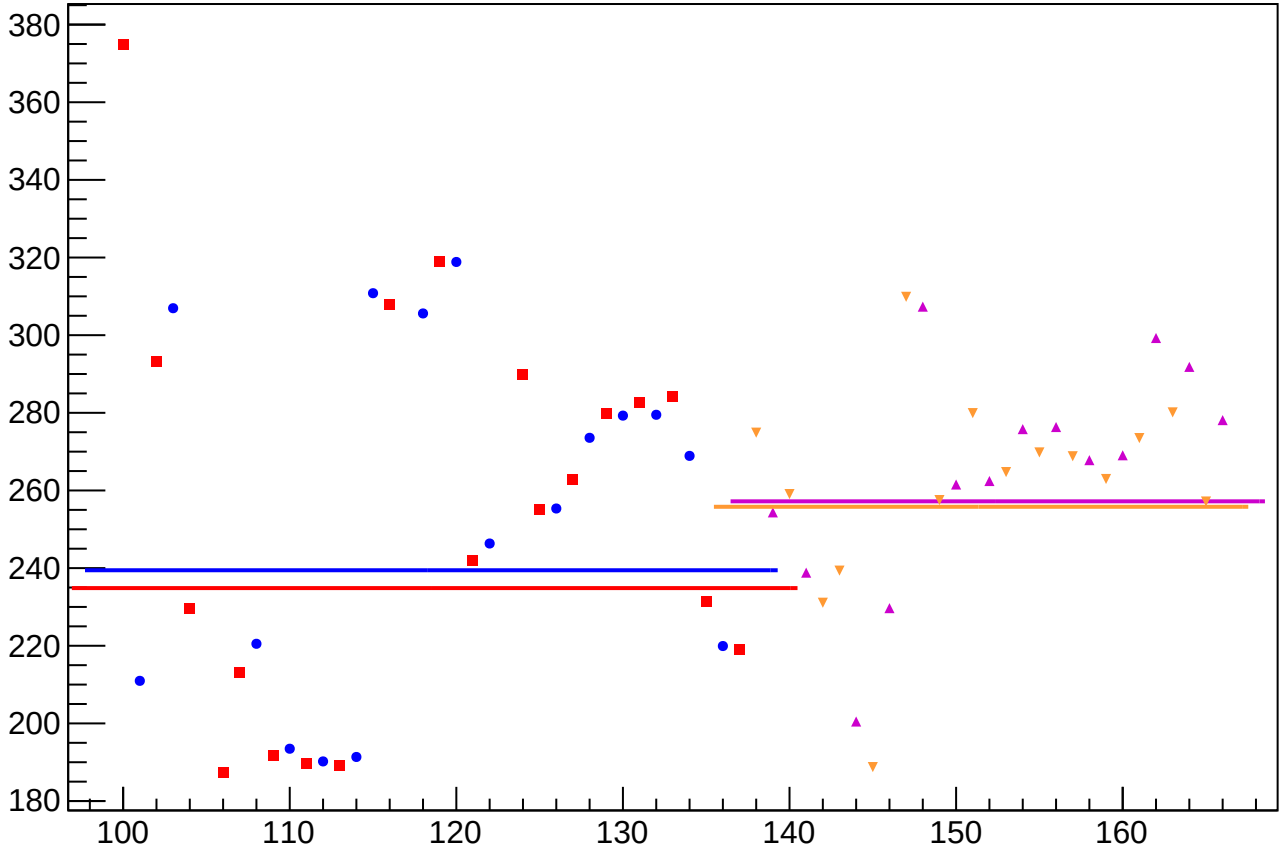
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 160.803+/-58.429 χ^2/NDF:34.7/29

Out: 249.308+/-57.098 χ^2/NDF:23.5/33

All: 206.075+/-40.837 χ^2/NDF: 59.4/63

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

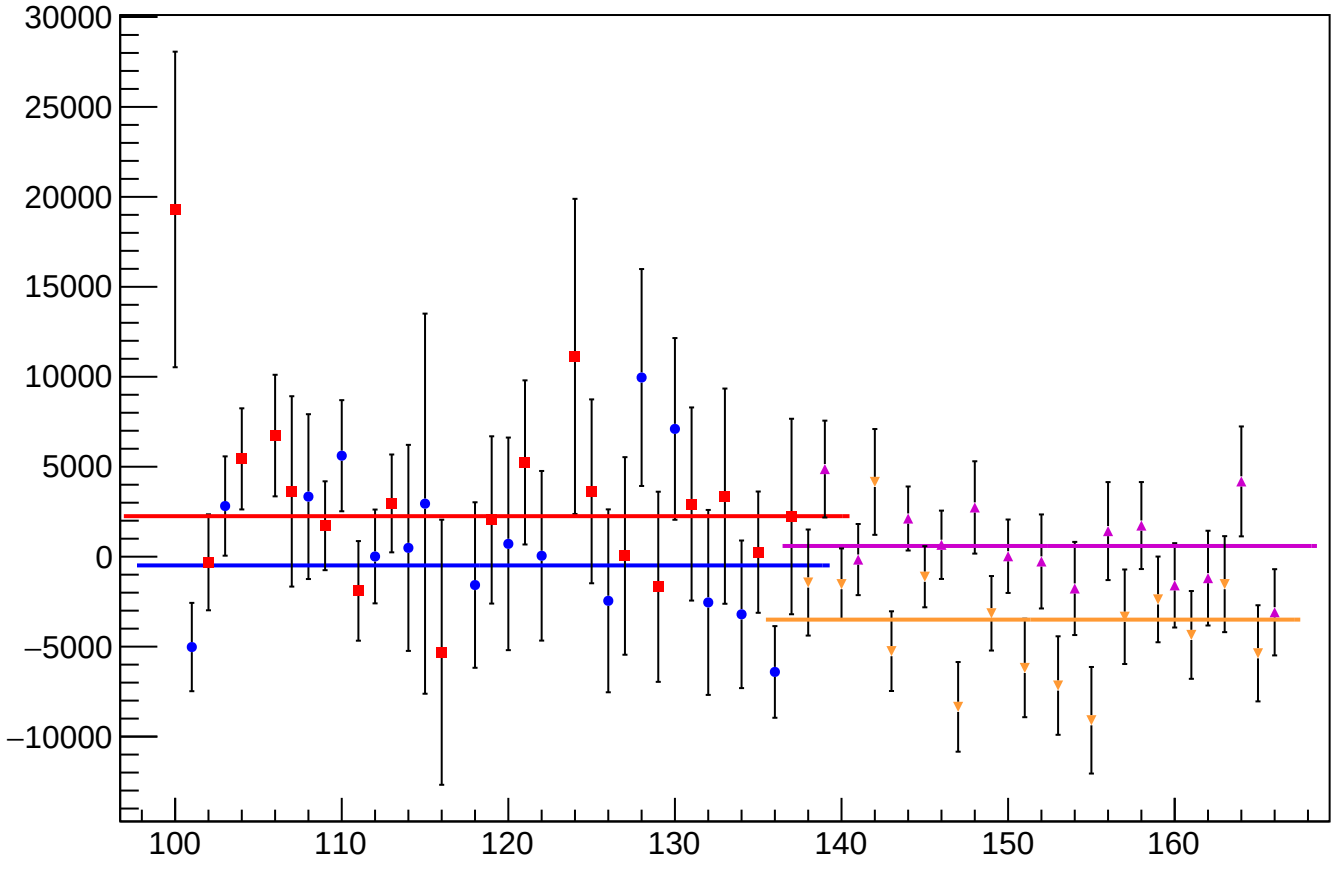
Left: 256.488+/-0.038 χ^2/NDF: 622288.6/28

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.821+/-0.041 χ^2/NDF:745388.7/29

Out: 246.963+/-0.040 χ^2/NDF:869704.9/33

All: 248.359+/-0.029 χ^2/NDF: 1617542.3/63



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3498.719+/-622.695 χ^2/NDF:22.4/14

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 595.033+/-621.620 χ^2/NDF:10.5/13

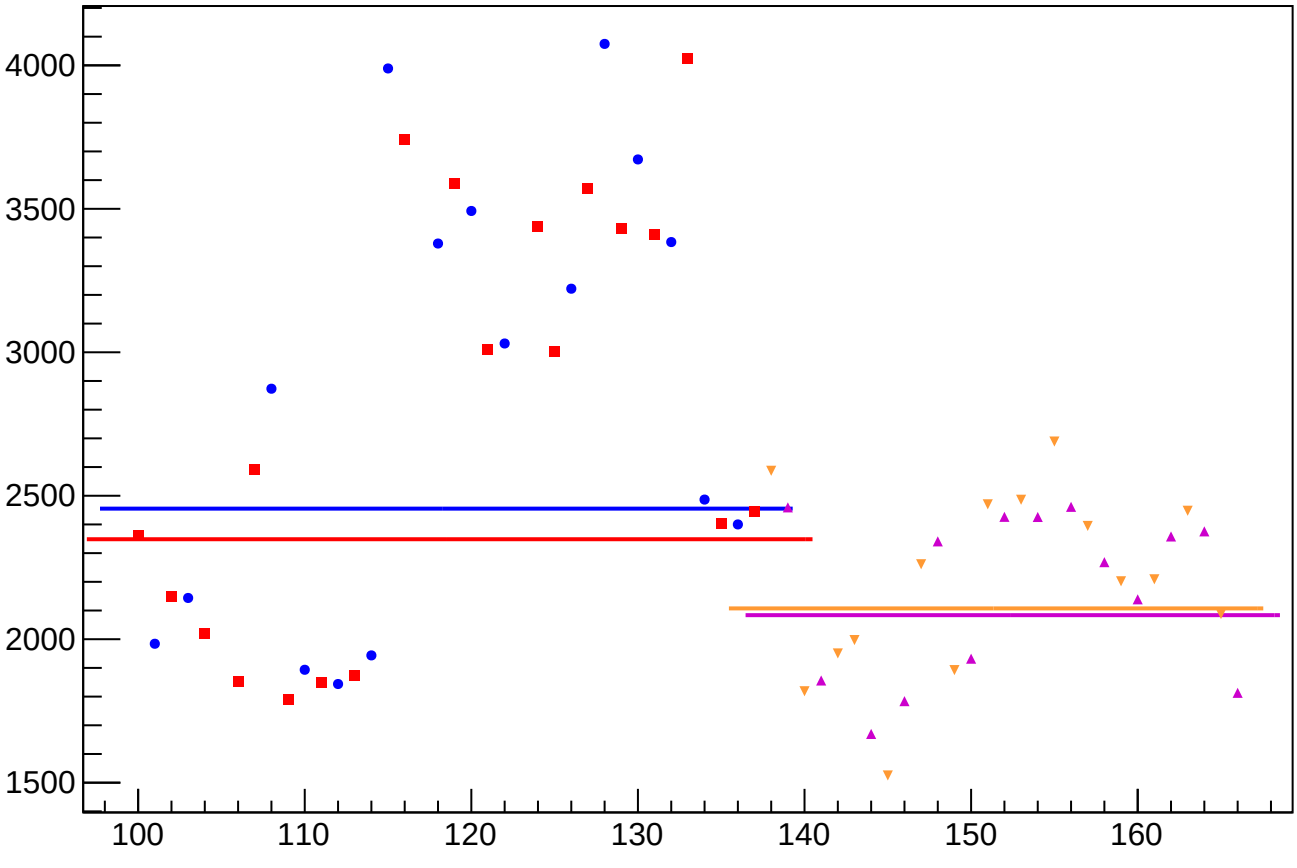
Left: -1448.305+/-439.931 χ^2/NDF: 54.5/28

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 269.746+/-519.742 χ^2/NDF:32.6/29

Out: -1620.664+/-510.996 χ^2/NDF:64.1/33

All: -691.498+/-364.382 χ^2/NDF: 103.4/63



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583405.1/14

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2083.843+/-0.440 χ^2/NDF:440721.2/13

Left: 2095.584+/-0.311 χ^2/NDF: 1025555.6/28

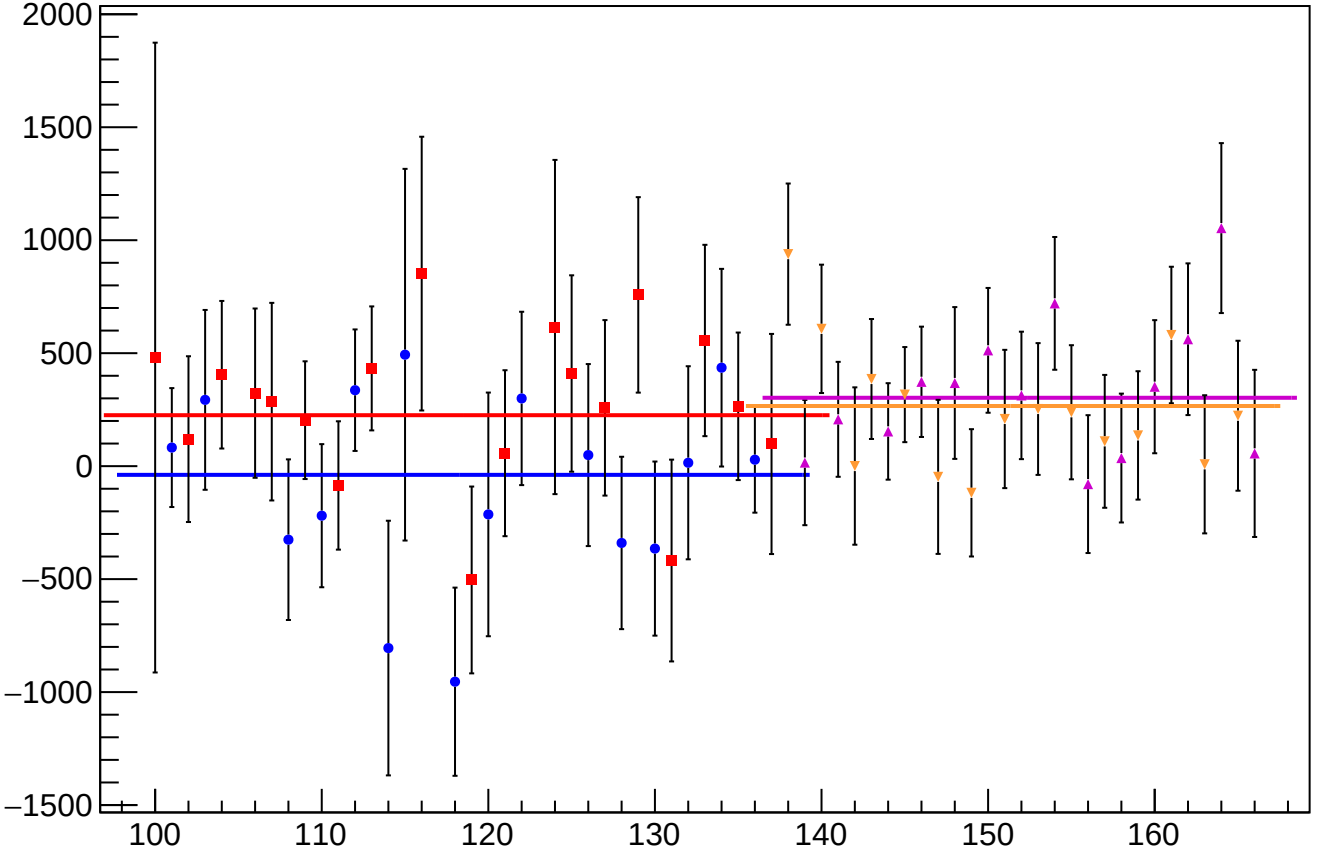
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2195.564+/-0.368 χ^2/NDF:1549790.1/29

Out: 2186.098+/-0.361 χ^2/NDF:1733730.4/33

All: 2190.751+/-0.258 χ^2/NDF: 3283857.8/63

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.203+/-75.095 χ^2/NDF:12.0/14

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 302.622+/-76.441 χ^2/NDF:11.9/13

Left: 284.089+/-53.570 χ^2/NDF: 24.0/28

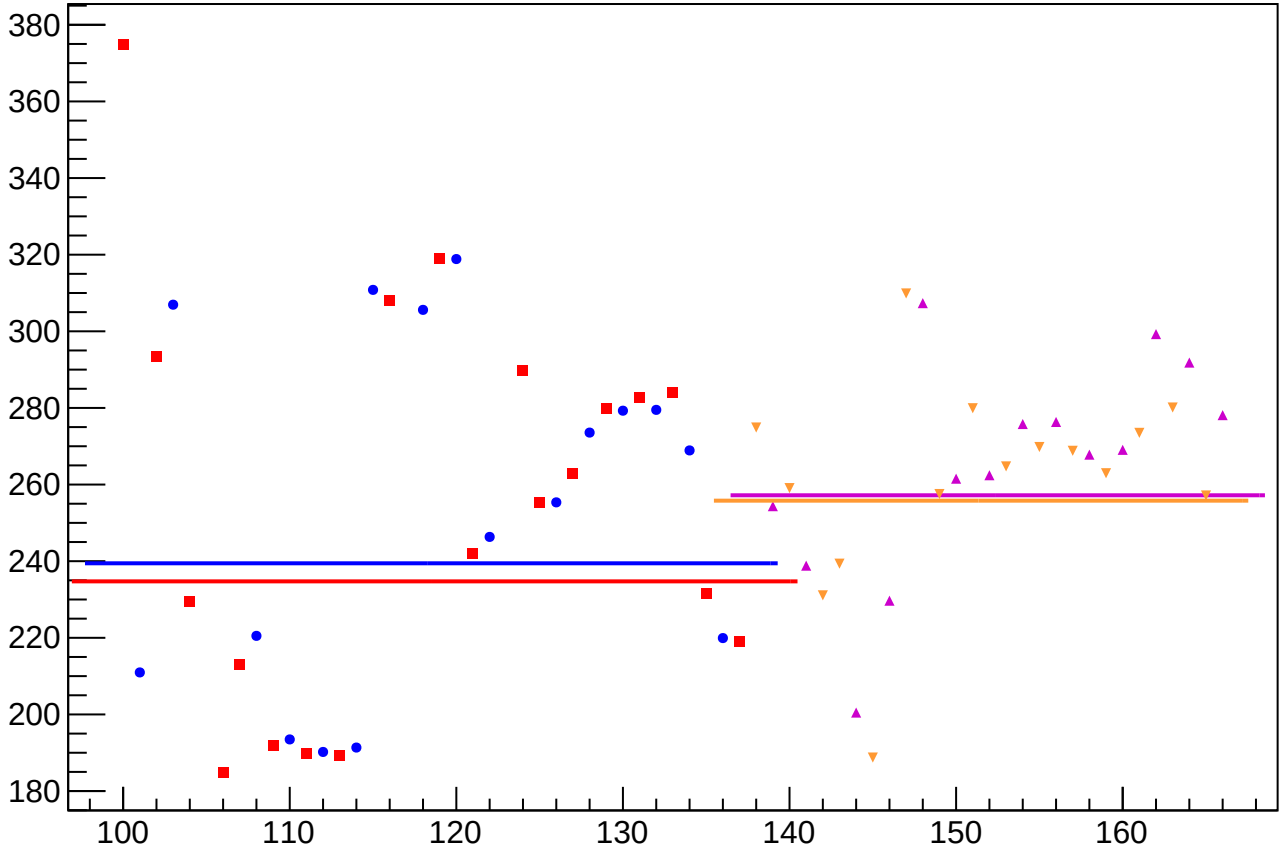
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 160.795+/-58.429 χ^2/NDF:34.7/29

Out: 249.041+/-57.102 χ^2/NDF:23.5/33

All: 205.932+/-40.838 χ^2/NDF: 59.4/63

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

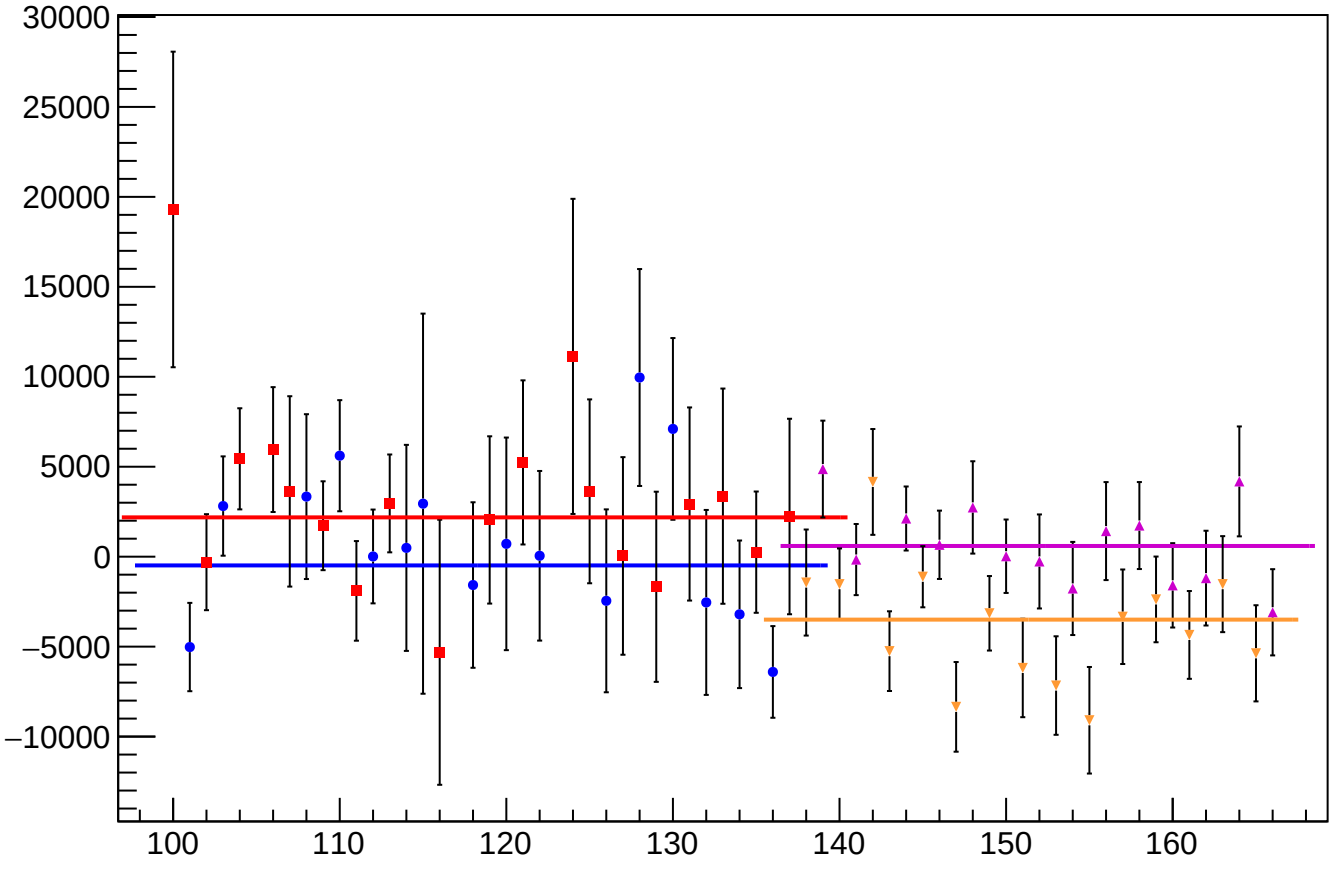
Left: 256.488+/-0.038 χ^2/NDF: 622288.6/28

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

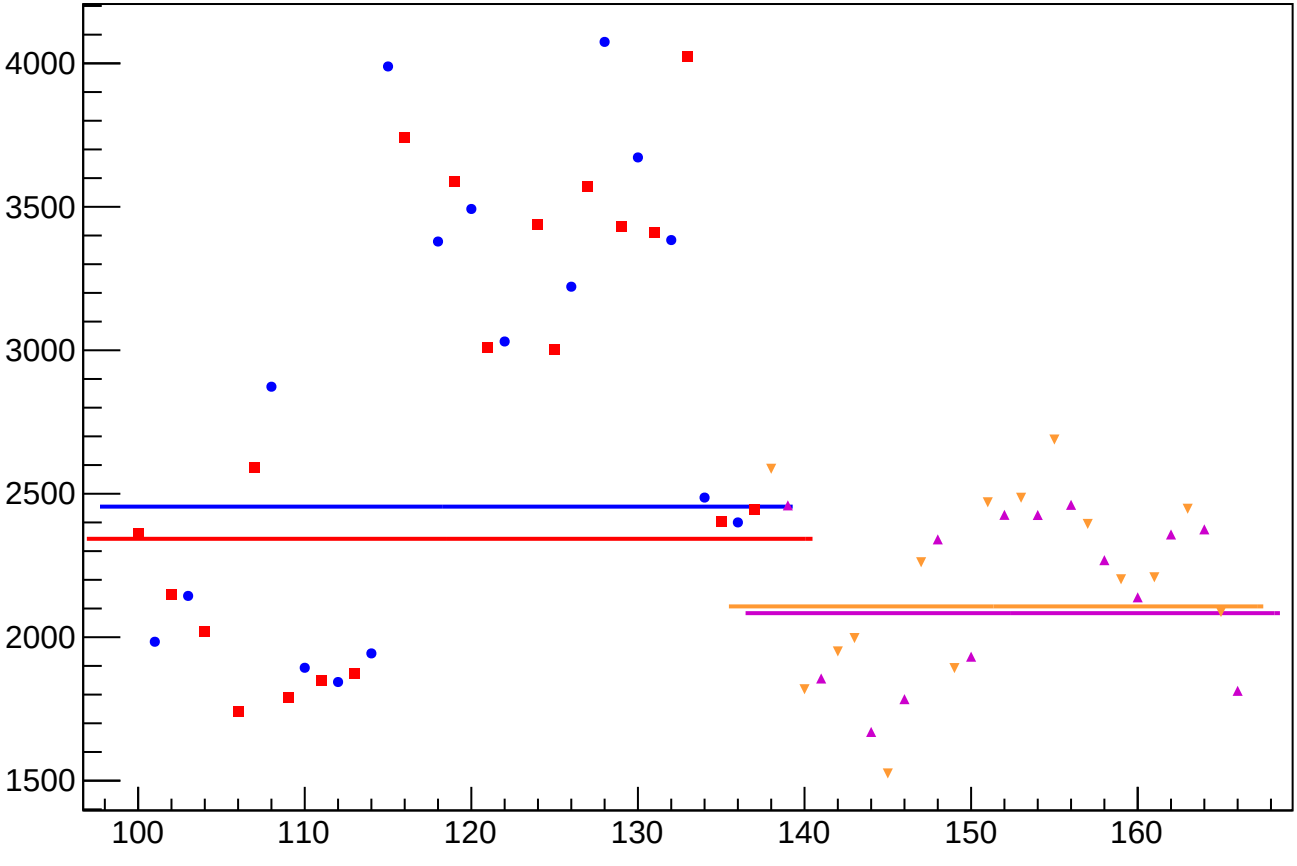
In: 249.821+/-0.041 χ^2/NDF:745390.8/29

Out: 246.913+/-0.040 χ^2/NDF:873981.0/33

All: 248.334+/-0.029 χ^2/NDF: 1621906.5/63


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -3498.708+/-622.695 χ²/NDF:22.4/14
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 595.046+/-621.620 χ²/NDF:10.5/13
Left: -1448.294+/-439.931 χ²/NDF: 54.5/28
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 269.708+/-519.743 χ²/NDF:32.6/29
Out: -1647.280+/-511.311 χ²/NDF:62.8/33
All: -704.463+/-364.496 χ²/NDF: 102.2/63

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2083.844+/-0.440 χ^2/NDF:440718.9/13

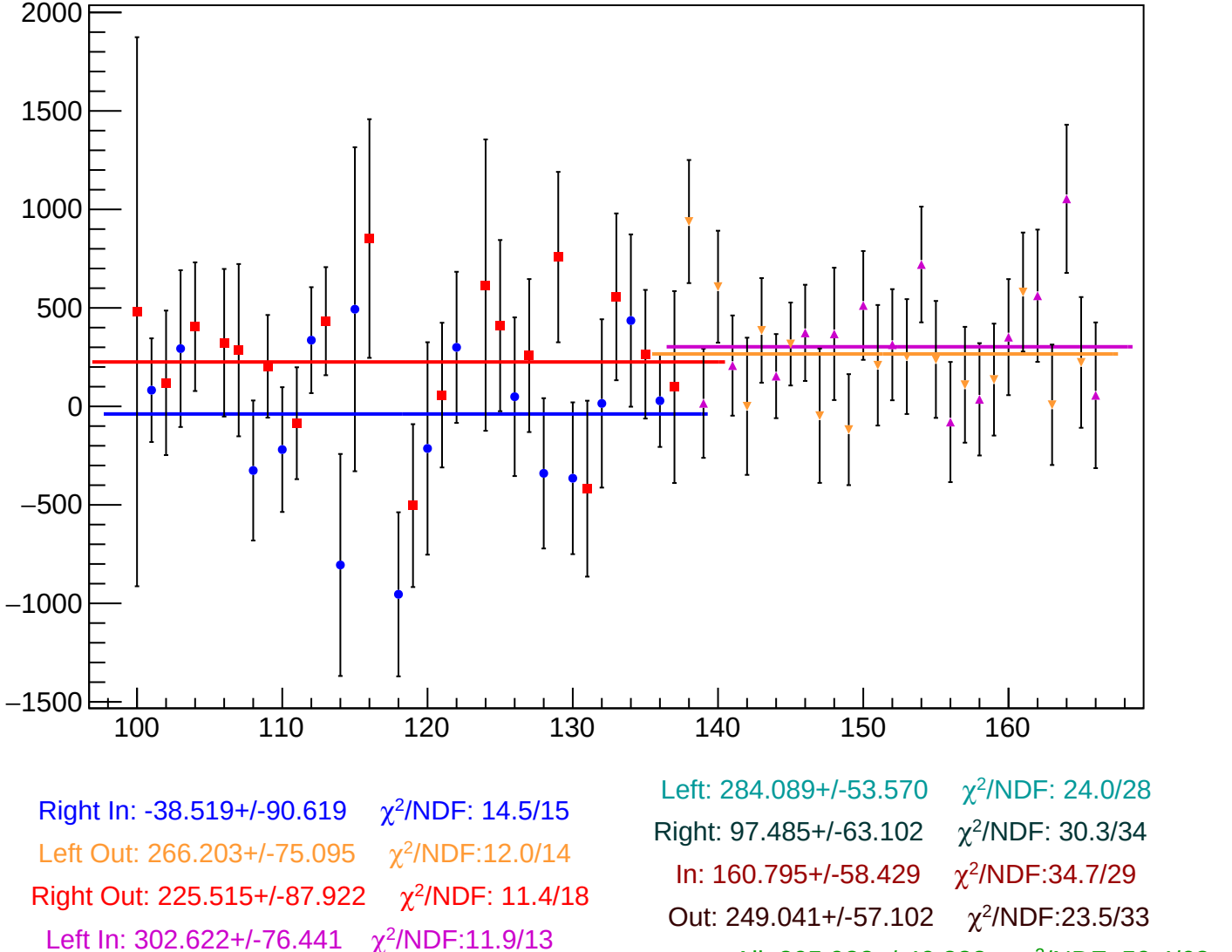
Left: 2095.584+/-0.311 χ^2/NDF: 1025555.1/28

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

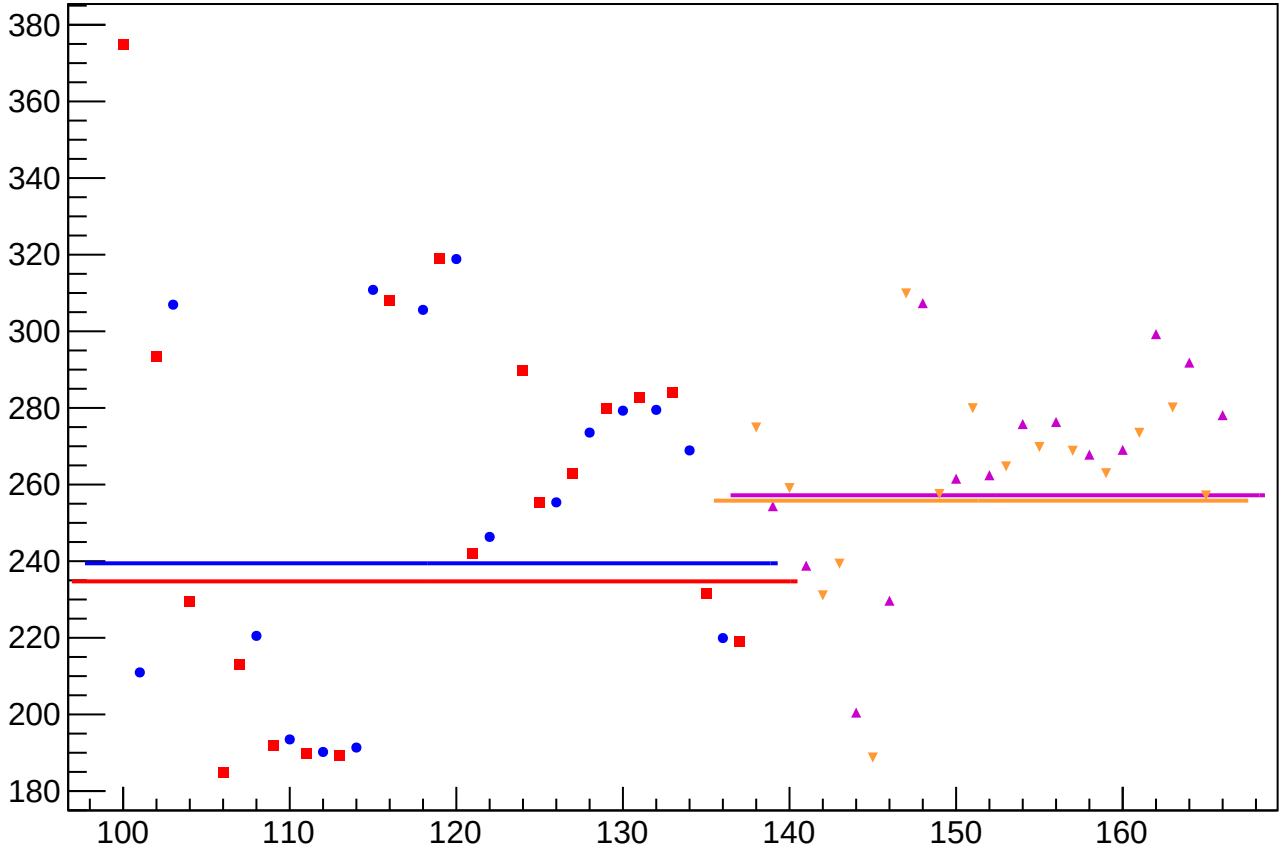
In: 2195.570+/-0.368 χ^2/NDF:1549781.2/29

Out: 2184.109+/-0.362 χ^2/NDF:1747052.0/33

All: 2189.746+/-0.258 χ^2/NDF: 3297327.5/63


eigen_cor_asym_sam4_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 266.203+/-75.095 χ²/NDF:12.0/14
Right Out: 225.515+/-87.922 χ²/NDF: 11.4/18
Left In: 302.622+/-76.441 χ²/NDF:11.9/13
Left: 284.089+/-53.570 χ²/NDF: 24.0/28
Right: 97.485+/-63.102 χ²/NDF: 30.3/34
In: 160.795+/-58.429 χ²/NDF:34.7/29
Out: 249.041+/-57.102 χ²/NDF:23.5/33
All: 205.932+/-40.838 χ²/NDF: 59.4/63

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 257.202+/-0.054 χ^2/NDF:299585.8/13

Left: 256.488+/-0.038 χ^2/NDF: 622288.6/28

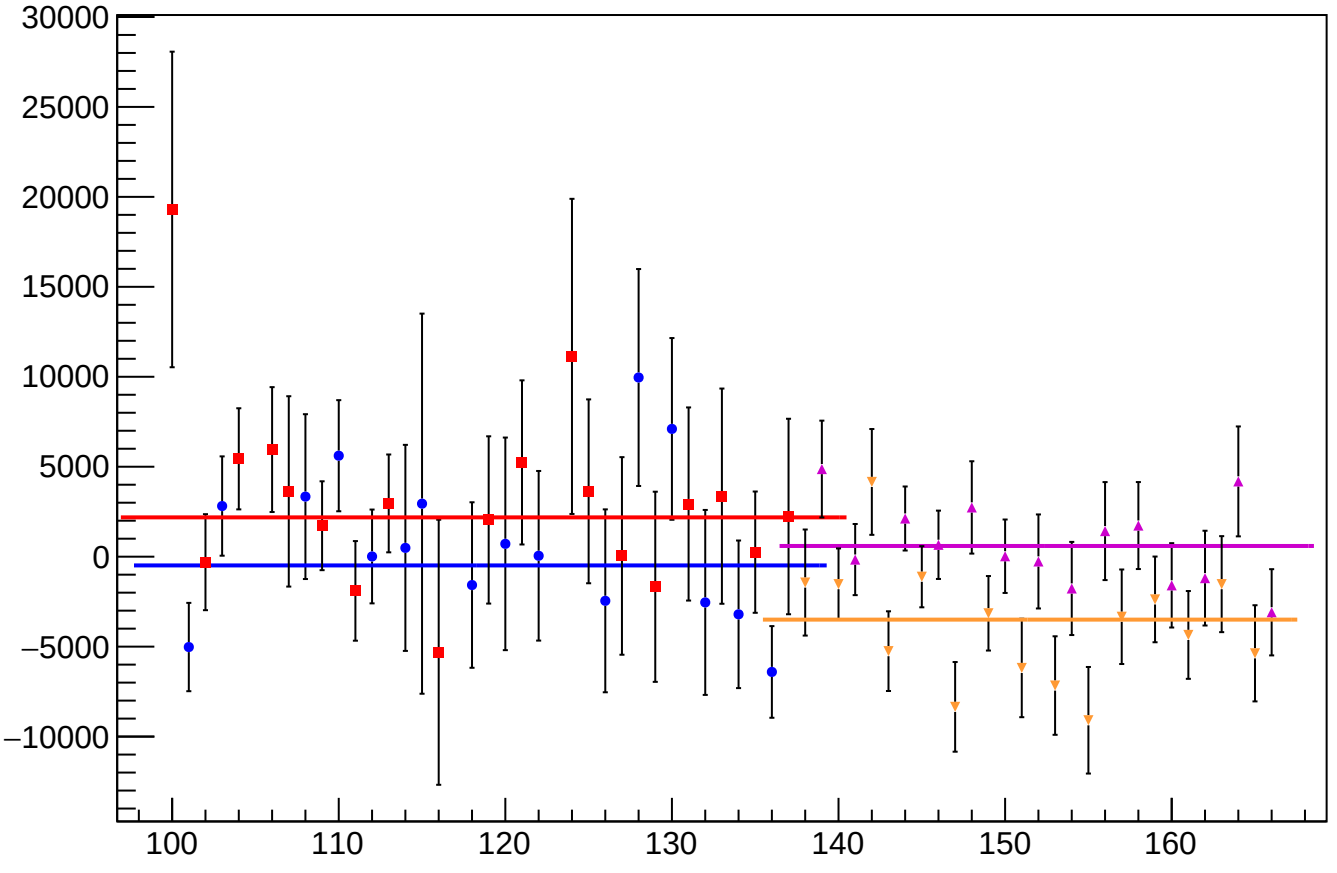
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.821+/-0.041 χ^2/NDF:745390.8/29

Out: 246.913+/-0.040 χ^2/NDF:873981.0/33

All: 248.334+/-0.029 χ^2/NDF: 1621906.5/63

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3498.708+/-622.695 χ^2/NDF:22.4/14

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 595.046+/-621.620 χ^2/NDF:10.5/13

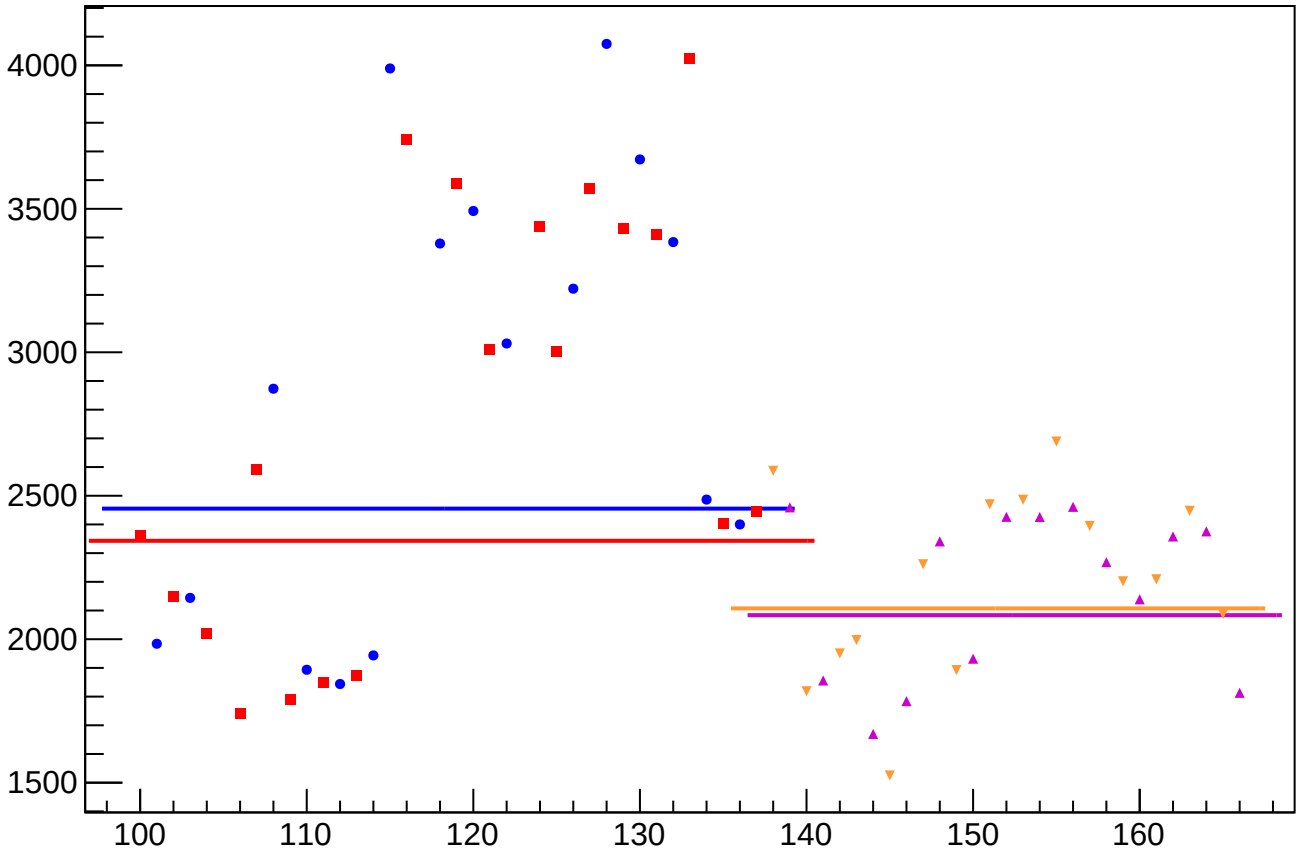
Left: -1448.294+/-439.931 χ^2/NDF: 54.5/28

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 269.708+/-519.743 χ^2/NDF:32.6/29

Out: -1647.280+/-511.311 χ^2/NDF:62.8/33

All: -704.463+/-364.496 χ^2/NDF: 102.2/63



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2083.844+/-0.440 χ^2/NDF:440718.9/13

Left: 2095.584+/-0.311 χ^2/NDF: 1025555.1/28

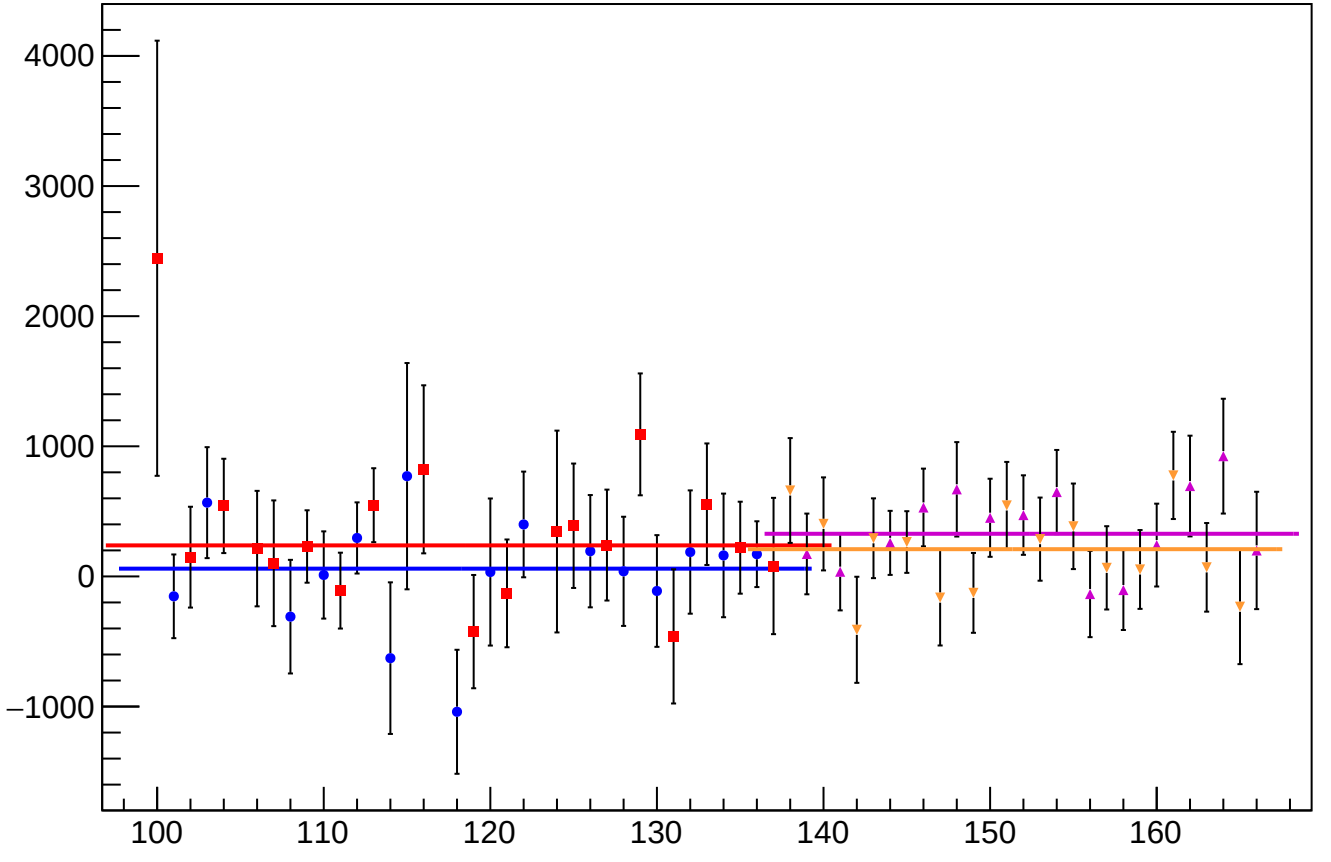
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2195.570+/-0.368 χ^2/NDF:1549781.2/29

Out: 2184.109+/-0.362 χ^2/NDF:1747052.0/33

All: 2189.746+/-0.258 χ^2/NDF: 3297327.5/63

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 209.343+/-85.200 χ^2/NDF:12.1/14

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 327.687+/-86.162 χ^2/NDF:10.8/13

Left: 267.851+/-60.583 χ^2/NDF: 23.8/28

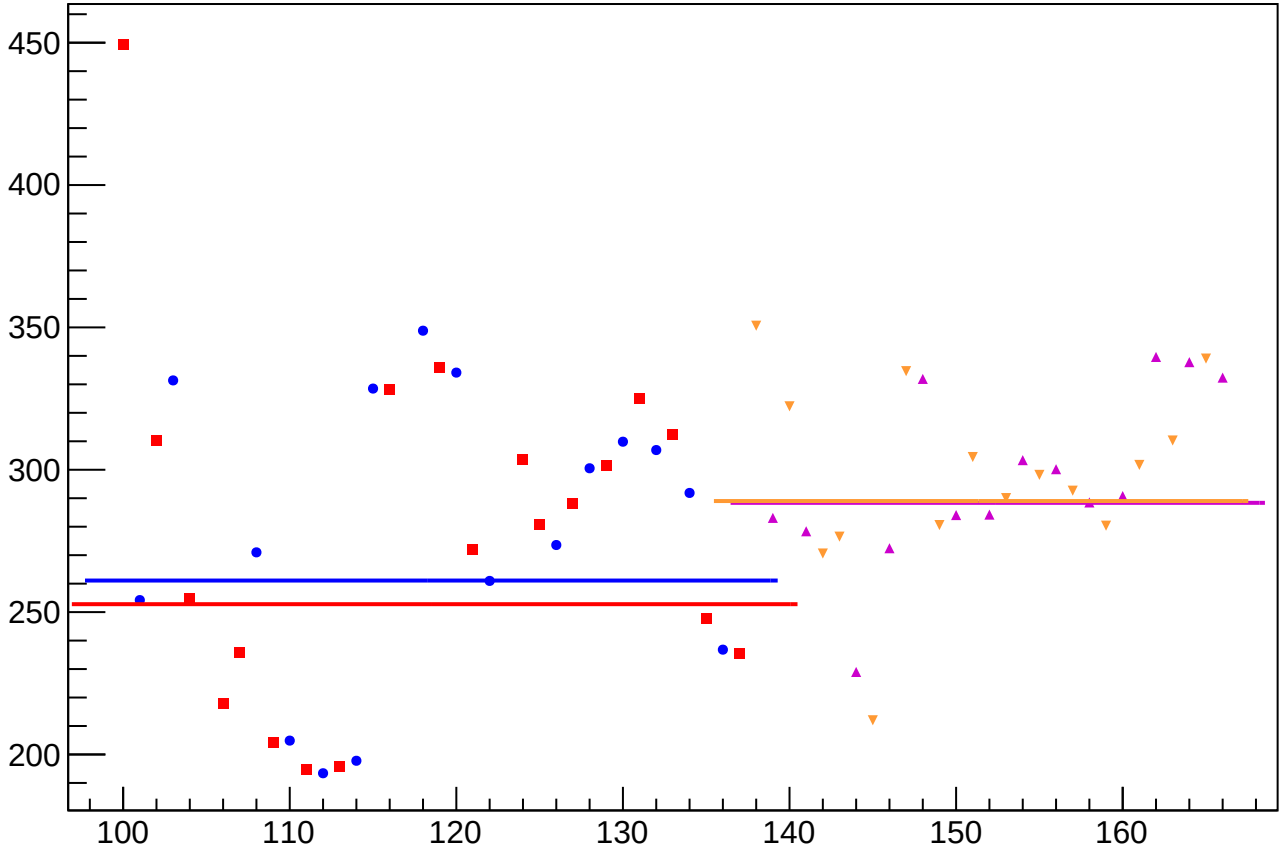
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 212.502+/-65.059 χ^2/NDF:27.0/29

Out: 222.338+/-63.447 χ^2/NDF:27.1/33

All: 217.543+/-45.423 χ^2/NDF: 54.0/63

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.011+/-0.060 χ^2/NDF:359077.5/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 288.382+/-0.061 χ^2/NDF:240713.9/13

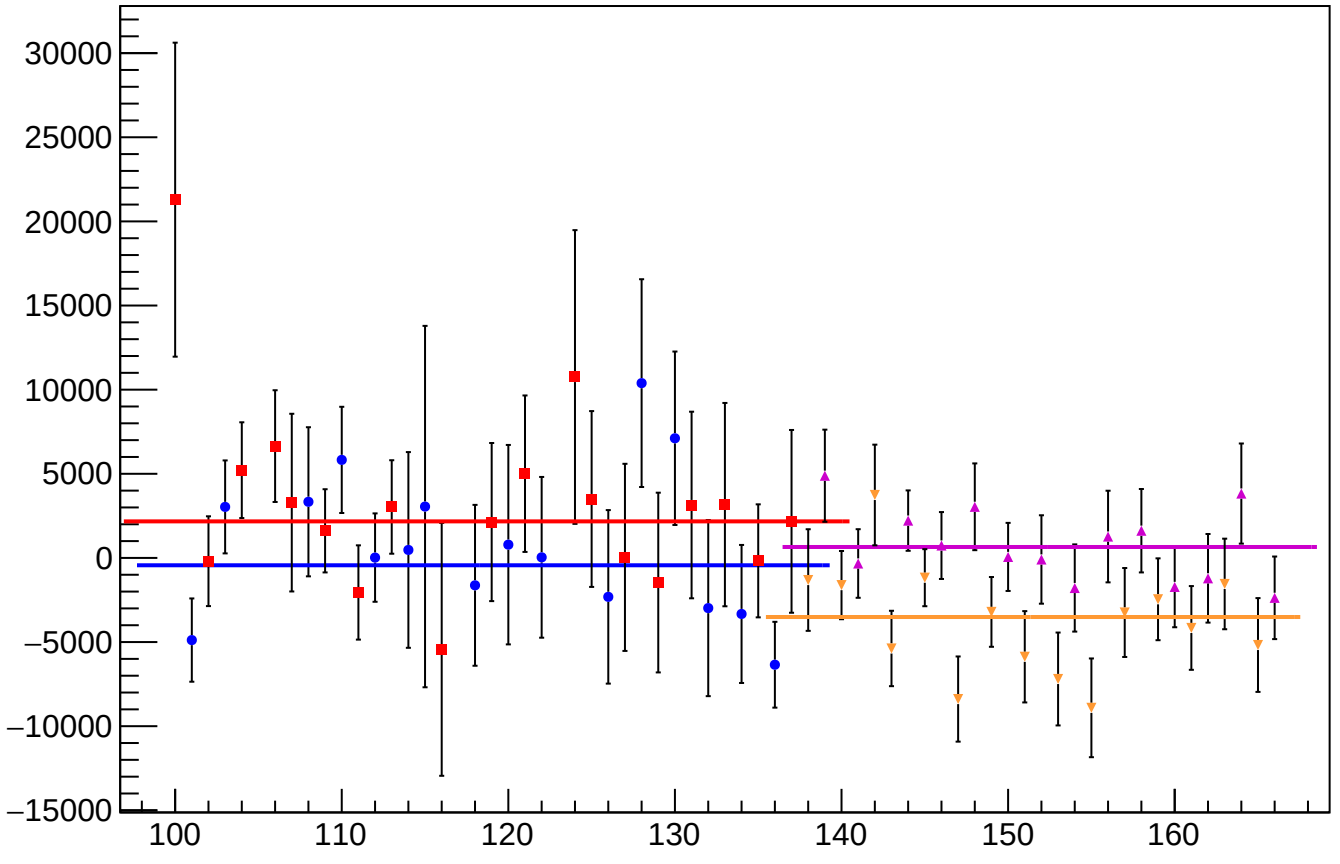
Left: 288.700+/-0.043 χ^2/NDF: 599845.3/28

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 276.650+/-0.046 χ^2/NDF:789640.1/29

Out: 272.875+/-0.045 χ^2/NDF:1057409.9/33

All: 274.715+/-0.032 χ^2/NDF: 1850501.0/63



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3511.378+/-629.386 χ^2/NDF:20.7/14

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 649.974+/-629.804 χ^2/NDF:9.6/13

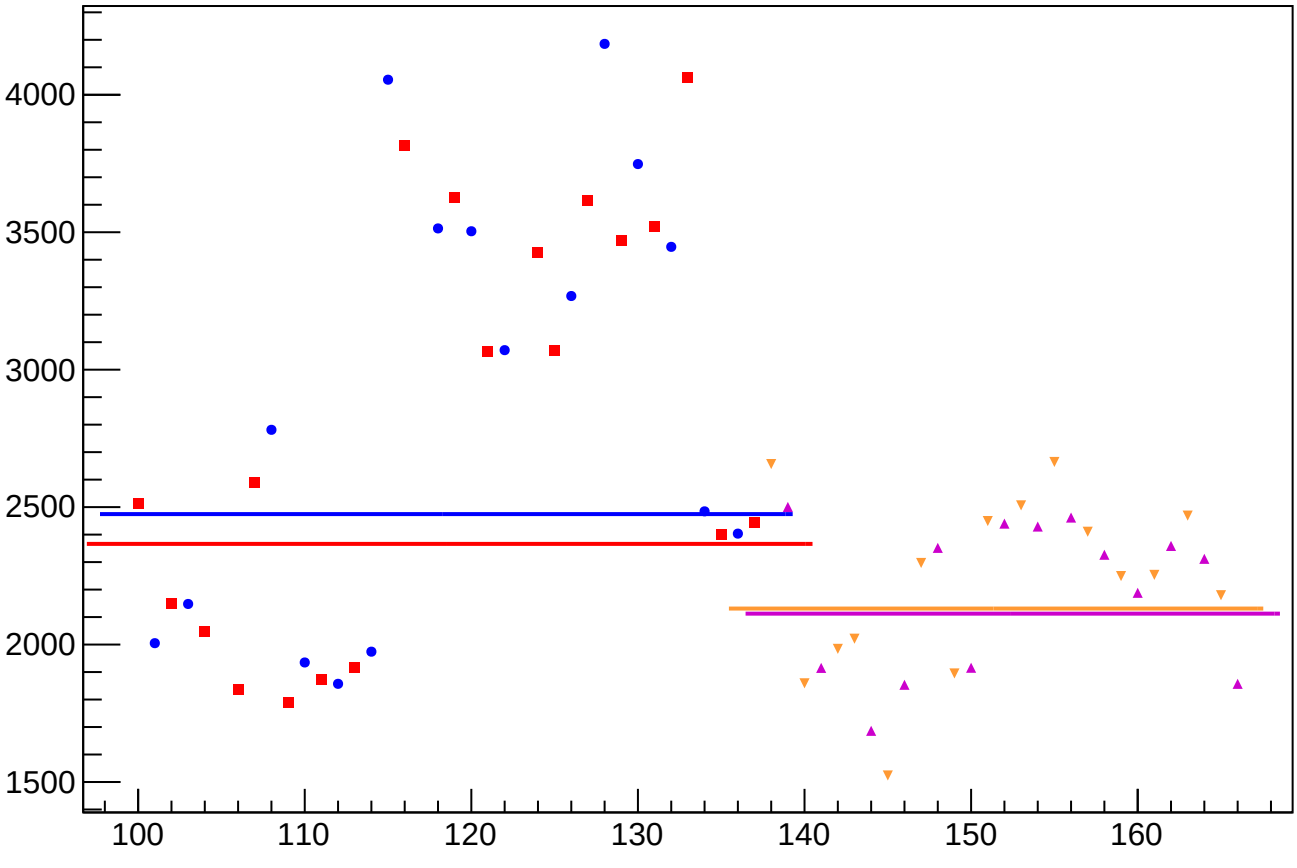
Left: -1432.085+/-445.191 χ^2/NDF: 52.2/28

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 320.663+/-525.788 χ^2/NDF:31.7/29

Out: -1647.831+/-515.985 χ^2/NDF:61.4/33

All: -682.105+/-368.274 χ^2/NDF: 100.3/63



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2130.976+/-0.445 χ^2/NDF:592053.0/14

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2112.477+/-0.445 χ^2/NDF:400871.1/13

Left: 2121.733+/-0.315 χ^2/NDF: 993787.4/28

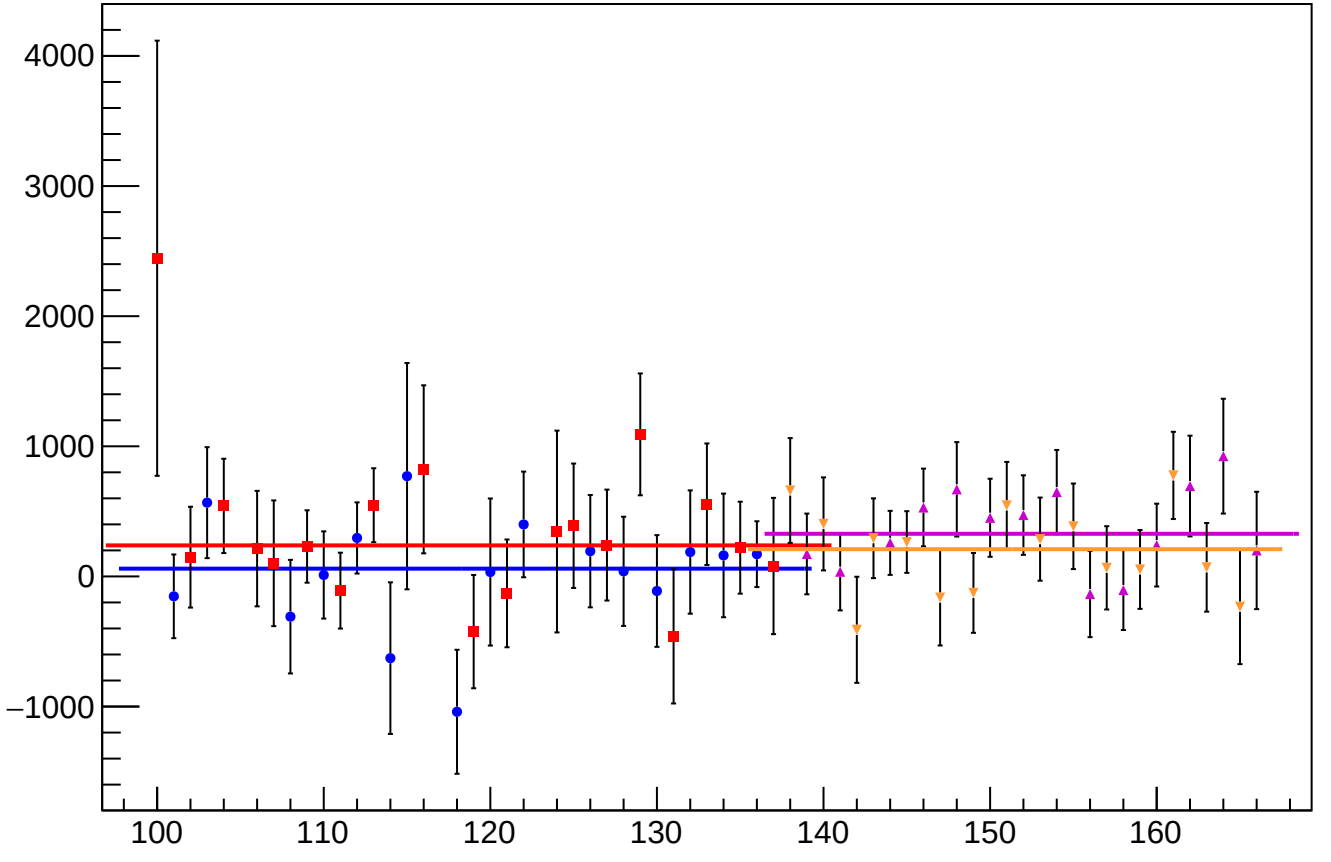
Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2222.220+/-0.372 χ^2/NDF:1517511.9/29

Out: 2208.110+/-0.365 χ^2/NDF:1760842.8/33

All: 2215.032+/-0.260 χ^2/NDF: 3279088.4/63

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 209.346+/-85.200 χ^2/NDF:12.1/14

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 327.688+/-86.162 χ^2/NDF:10.8/13

Left: 267.853+/-60.583 χ^2/NDF: 23.8/28

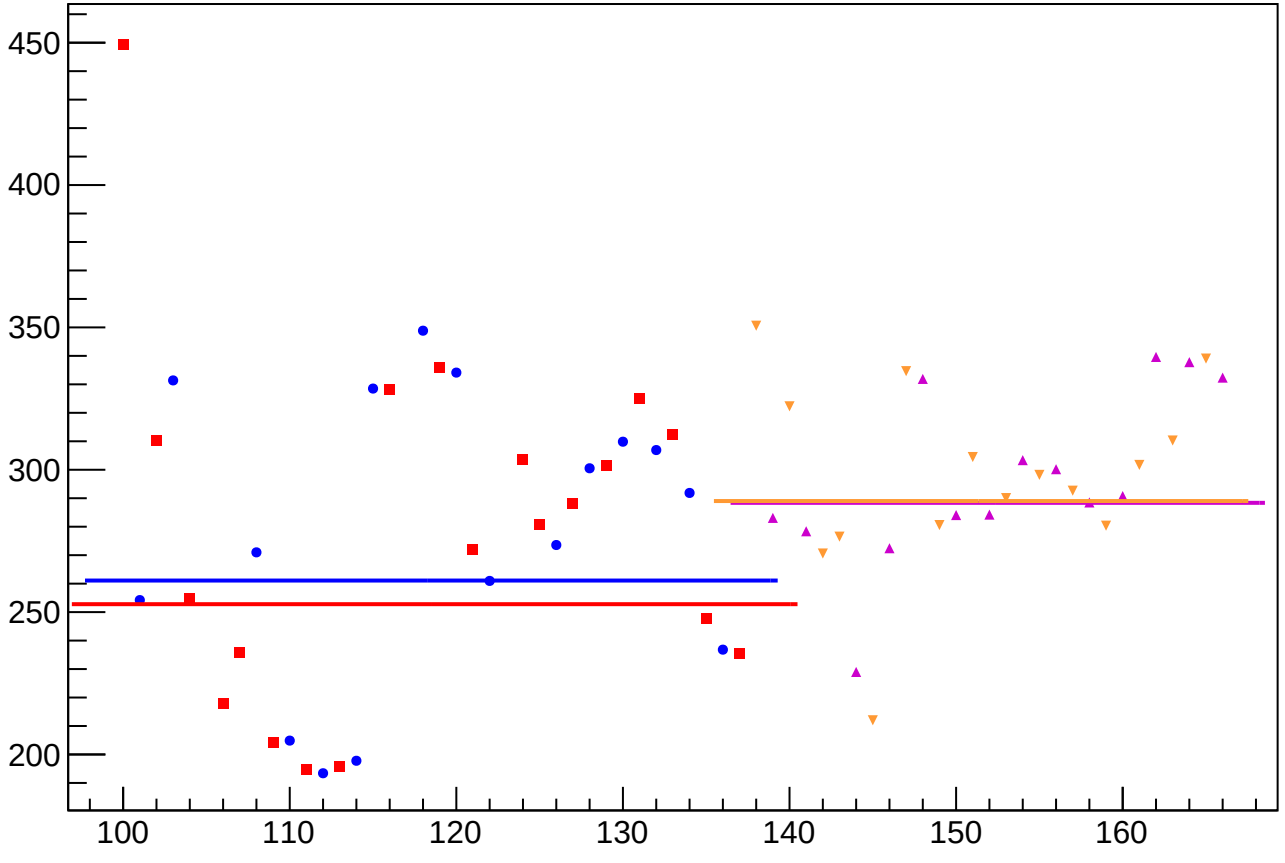
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 212.505+/-65.059 χ^2/NDF:27.0/29

Out: 222.340+/-63.447 χ^2/NDF:27.1/33

All: 217.546+/-45.423 χ^2/NDF: 54.0/63

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.011+/-0.060 χ^2/NDF:359074.1/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 288.382+/-0.061 χ^2/NDF:240711.8/13

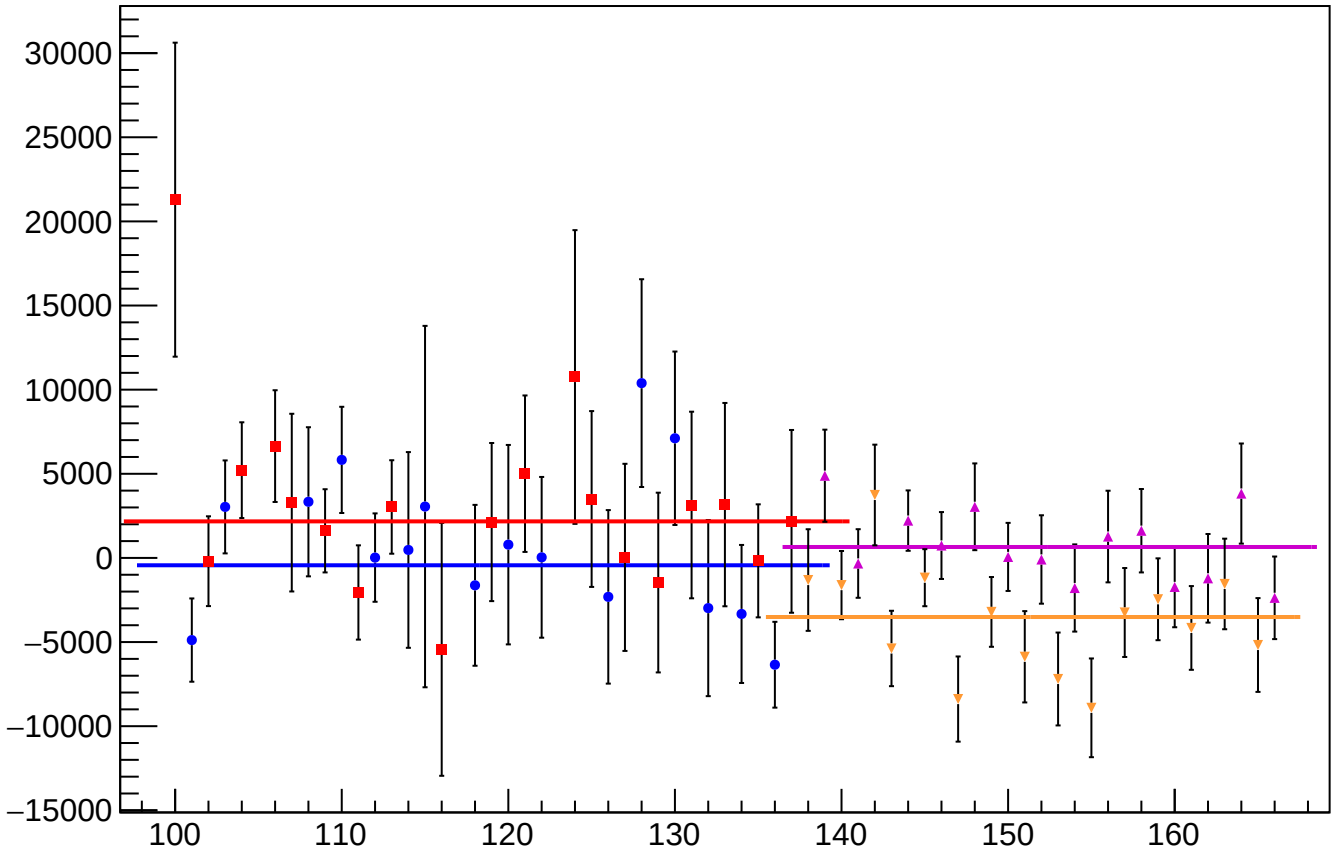
Left: 288.700+/-0.043 χ^2/NDF: 599839.9/28

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 276.650+/-0.046 χ^2/NDF:789643.5/29

Out: 272.875+/-0.045 χ^2/NDF:1057414.5/33

All: 274.715+/-0.032 χ^2/NDF: 1850509.0/63



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3511.371+/-629.385 χ^2/NDF:20.7/14

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 649.972+/-629.804 χ^2/NDF:9.6/13

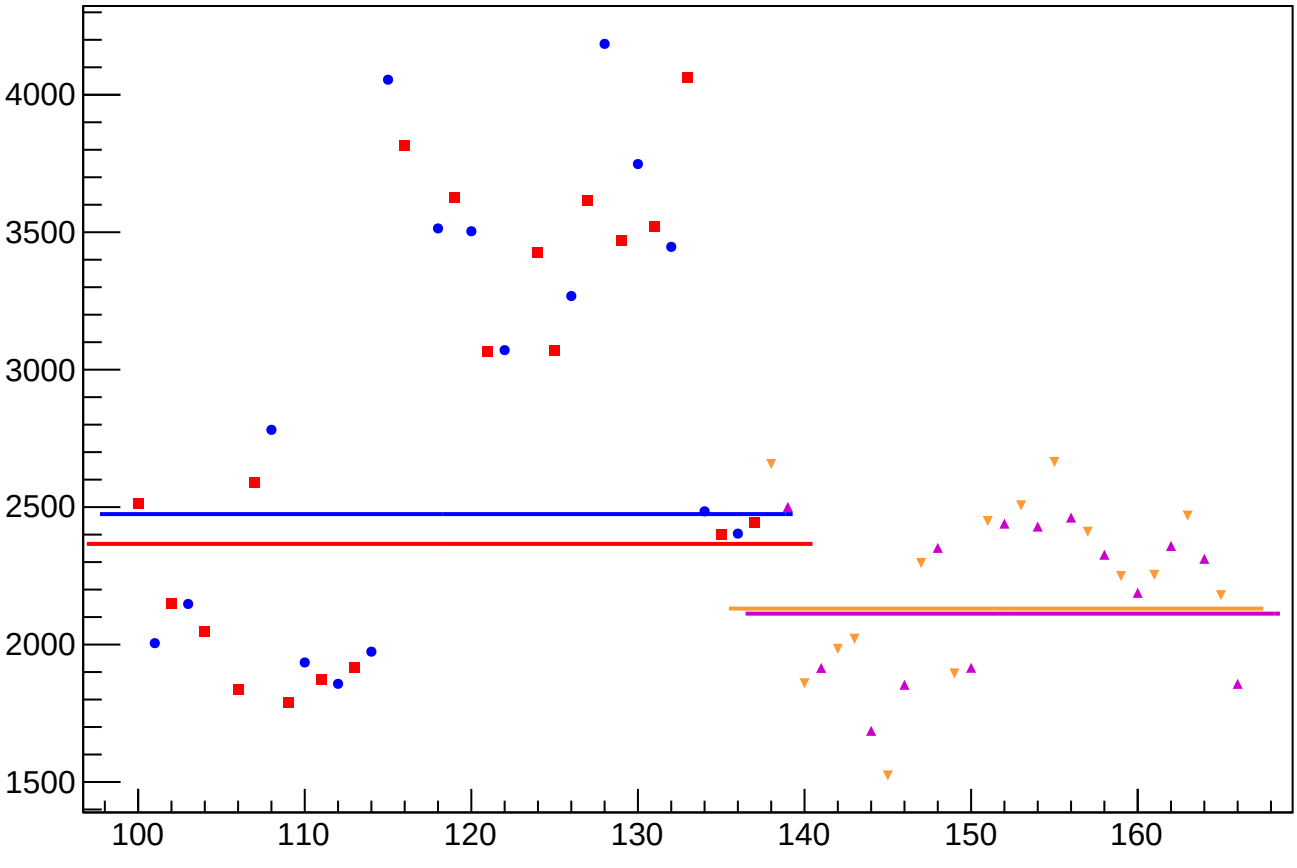
Left: -1432.083+/-445.190 χ^2/NDF: 52.2/28

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 320.663+/-525.788 χ^2/NDF:31.7/29

Out: -1647.827+/-515.985 χ^2/NDF:61.4/33

All: -682.104+/-368.273 χ^2/NDF: 100.3/63



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2130.974+/-0.445 χ^2/NDF:592056.1/14

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2112.476+/-0.445 χ^2/NDF:400870.3/13

Left: 2121.731+/-0.315 χ^2/NDF: 993789.7/28

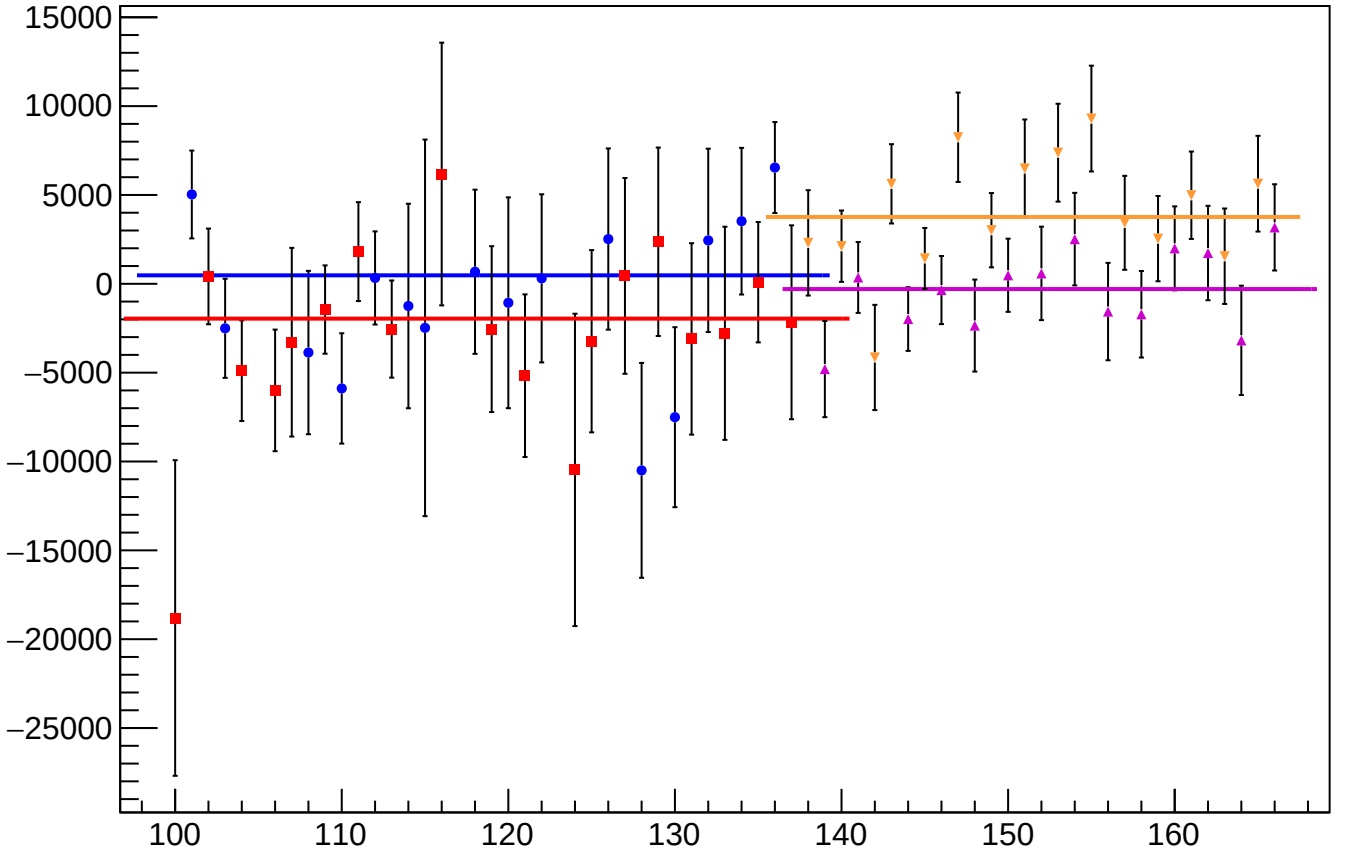
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2222.218+/-0.372 χ^2/NDF:1517514.7/29

Out: 2208.108+/-0.365 χ^2/NDF:1760848.8/33

All: 2215.031+/-0.260 χ^2/NDF: 3279097.1/63

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3761.153+/-627.469 χ^2/NDF:21.7/14

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -295.298+/-626.591 χ^2/NDF:10.8/13

Left: 1730.086+/-443.377 χ^2/NDF: 53.5/28

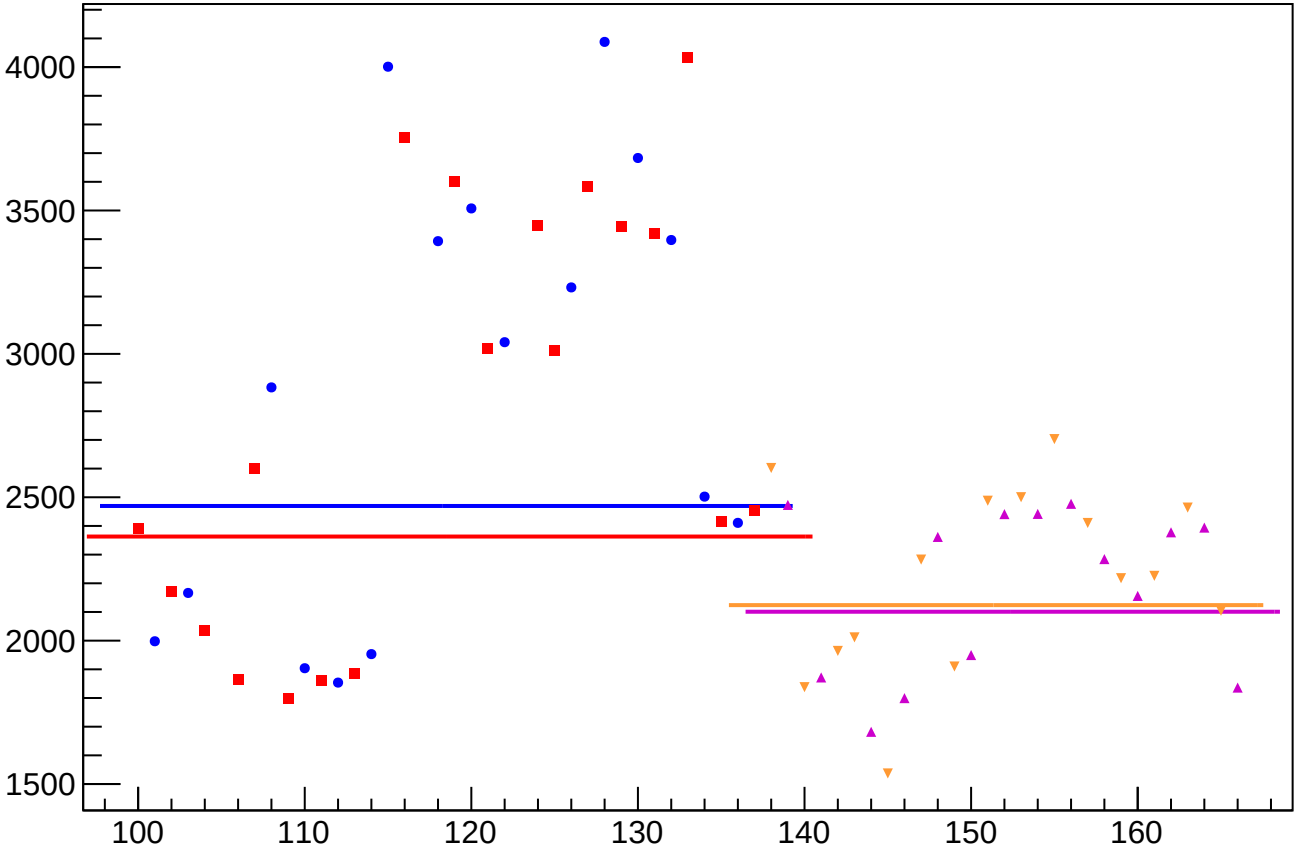
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -62.032+/-523.520 χ^2/NDF:33.4/29

Out: 1889.184+/-514.666 χ^2/NDF:61.8/33

All: 930.216+/-367.014 χ^2/NDF: 102.2/63

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2123.898+/-0.444 χ^2/NDF:577487.3/14

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2100.840+/-0.443 χ^2/NDF:435677.4/13

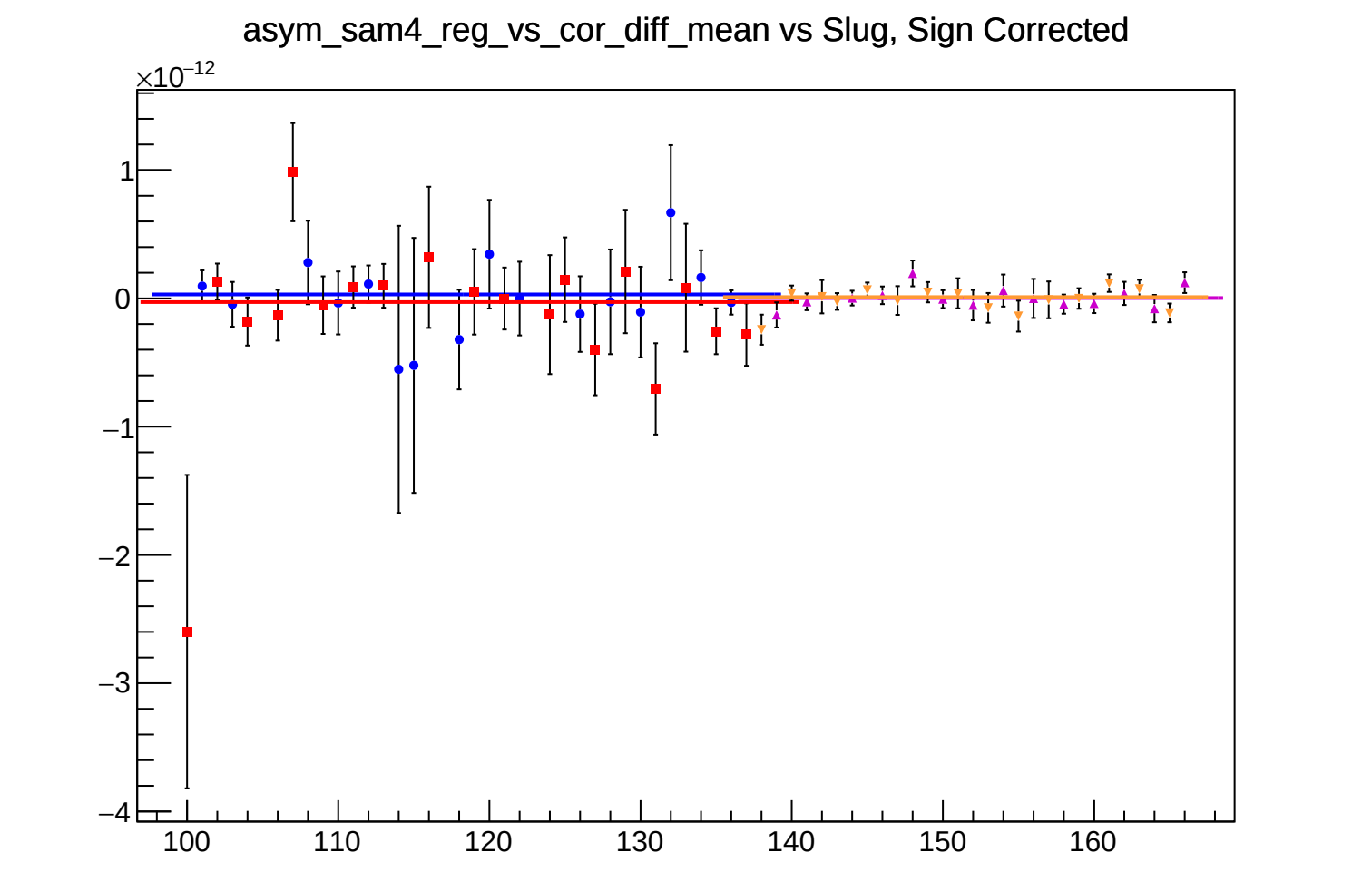
Left: 2112.352+/-0.314 χ^2/NDF: 1014517.0/28

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2212.191+/-0.370 χ^2/NDF:1531050.5/29

Out: 2202.156+/-0.364 χ^2/NDF:1715904.7/33

All: 2207.088+/-0.260 χ^2/NDF: 3247328.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/13

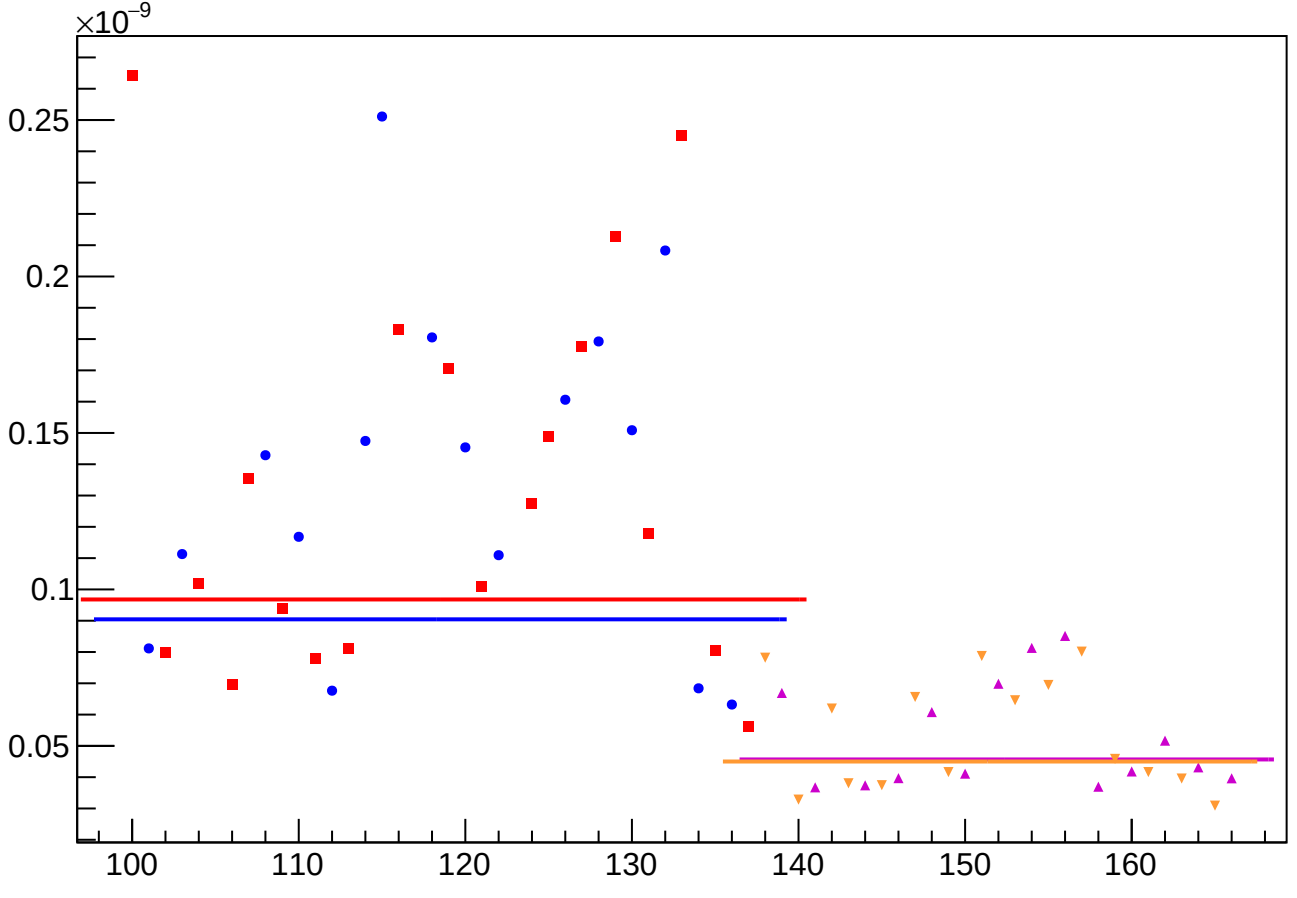
Left: 0.000+/-0.000 χ^2/NDF: 24.8/28

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:16.2/29

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: 0.000+/-0.000 χ^2/NDF: 54.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925039.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:675577.3/13

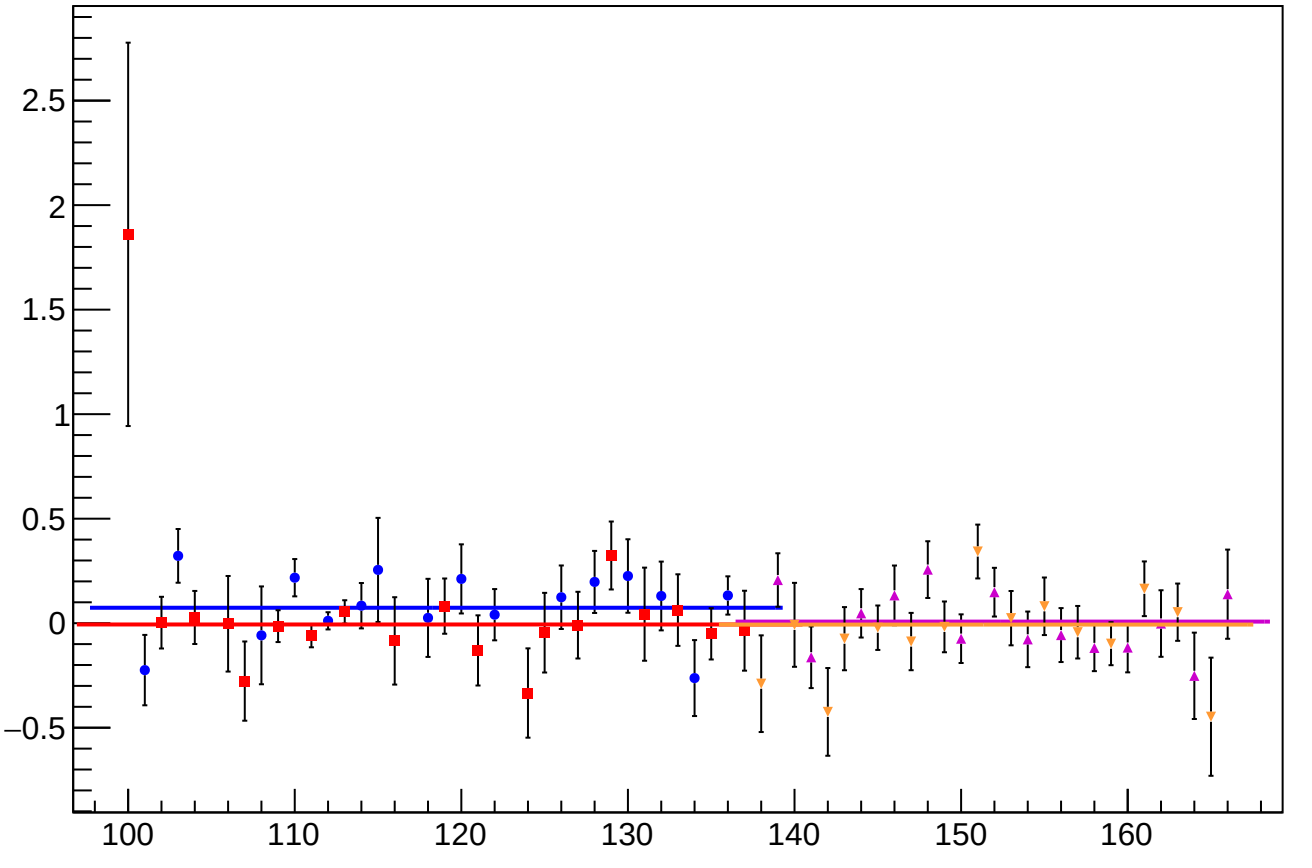
Left: 0.000+/-0.000 χ^2/NDF: 1601545.9/28

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2835786.7/29

Out: 0.000+/-0.000 χ^2/NDF:3275701.6/33

All: 0.000+/-0.000 χ^2/NDF: 6113374.3/63



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

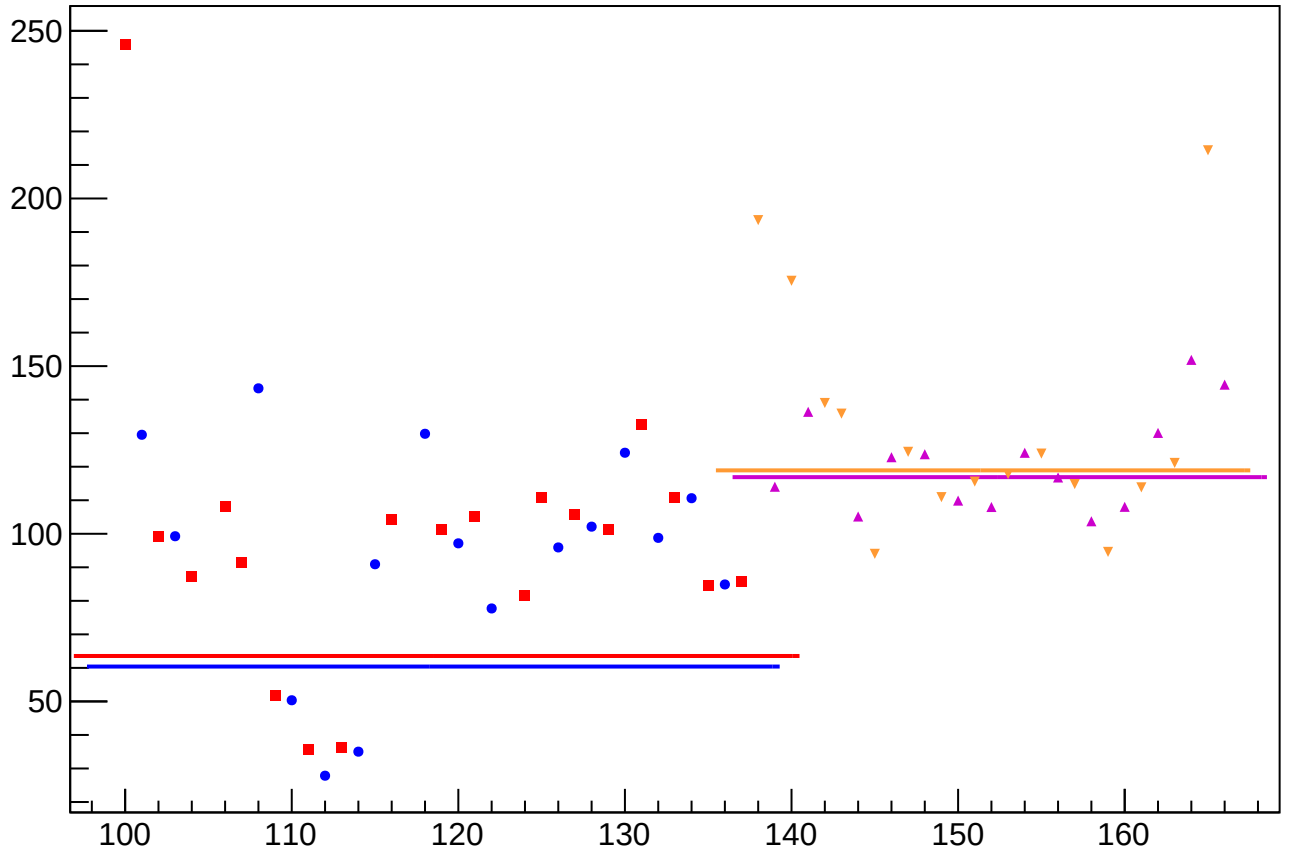
Left: 0.001+/-0.025 χ^2/NDF: 34.1/28

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.022+/-0.015 χ^2/NDF: 75.0/63



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.891+/-0.025 χ^2/NDF:233570.7/13

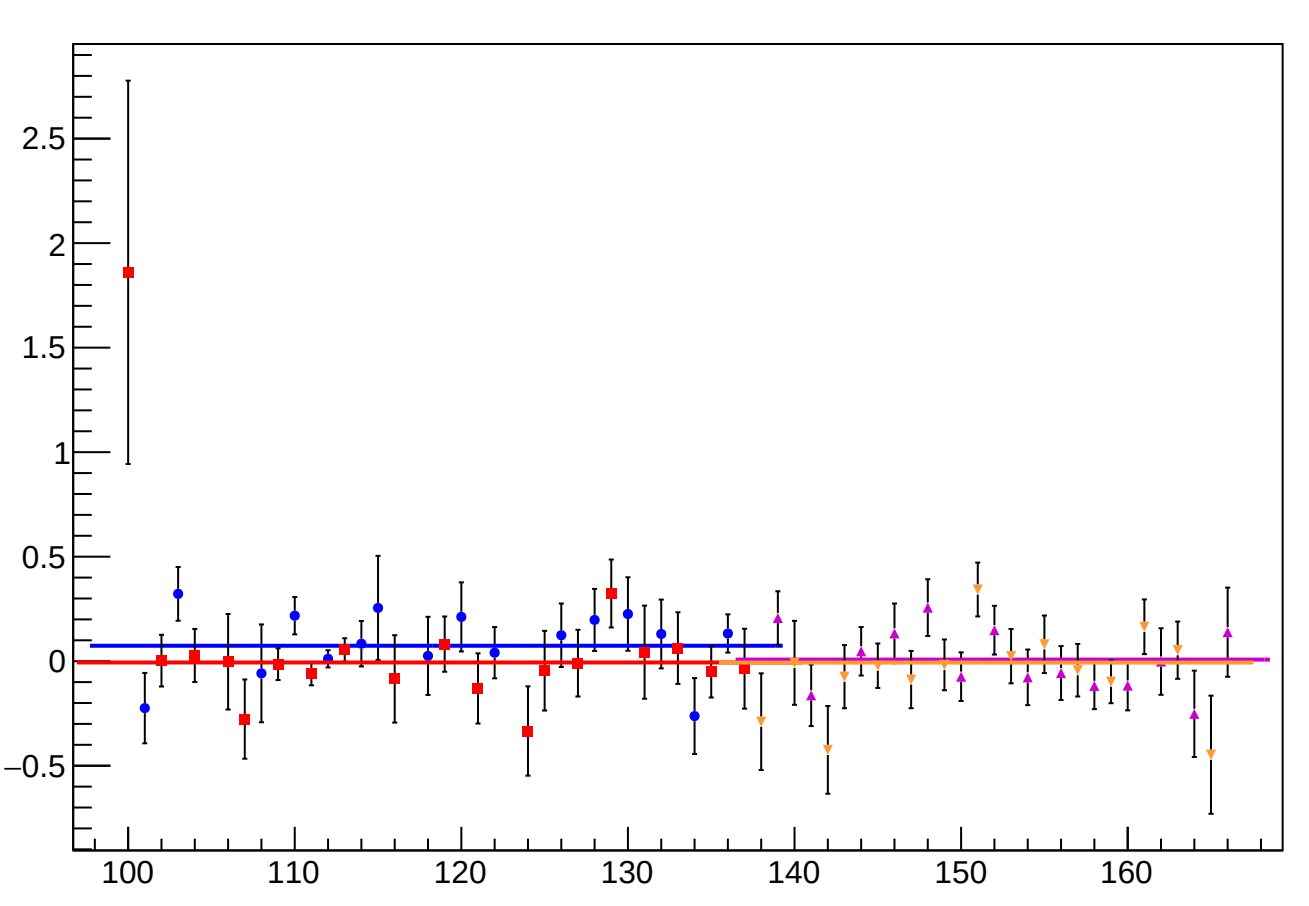
Left: 117.894+/-0.018 χ^2/NDF: 1118556.1/28

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.985+/-0.015 χ^2/NDF:6958944.9/29

Out: 83.362+/-0.015 χ^2/NDF:6582906.9/33

All: 82.175+/-0.011 χ^2/NDF: 13554049.3/63



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

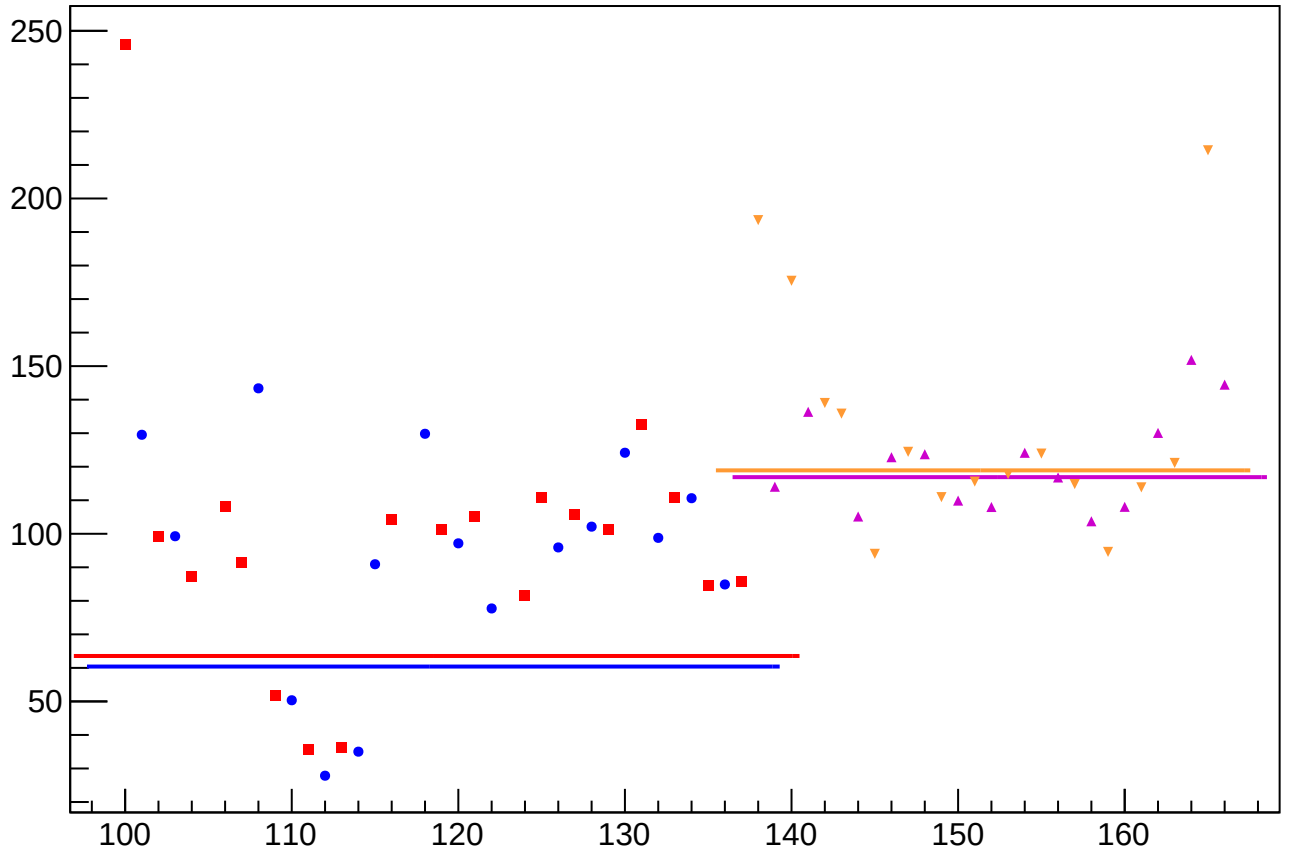
Left: 0.001+/-0.025 χ^2/NDF: 34.1/28

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.022+/-0.015 χ^2/NDF: 75.0/63



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.891+/-0.025 χ^2/NDF:233570.7/13

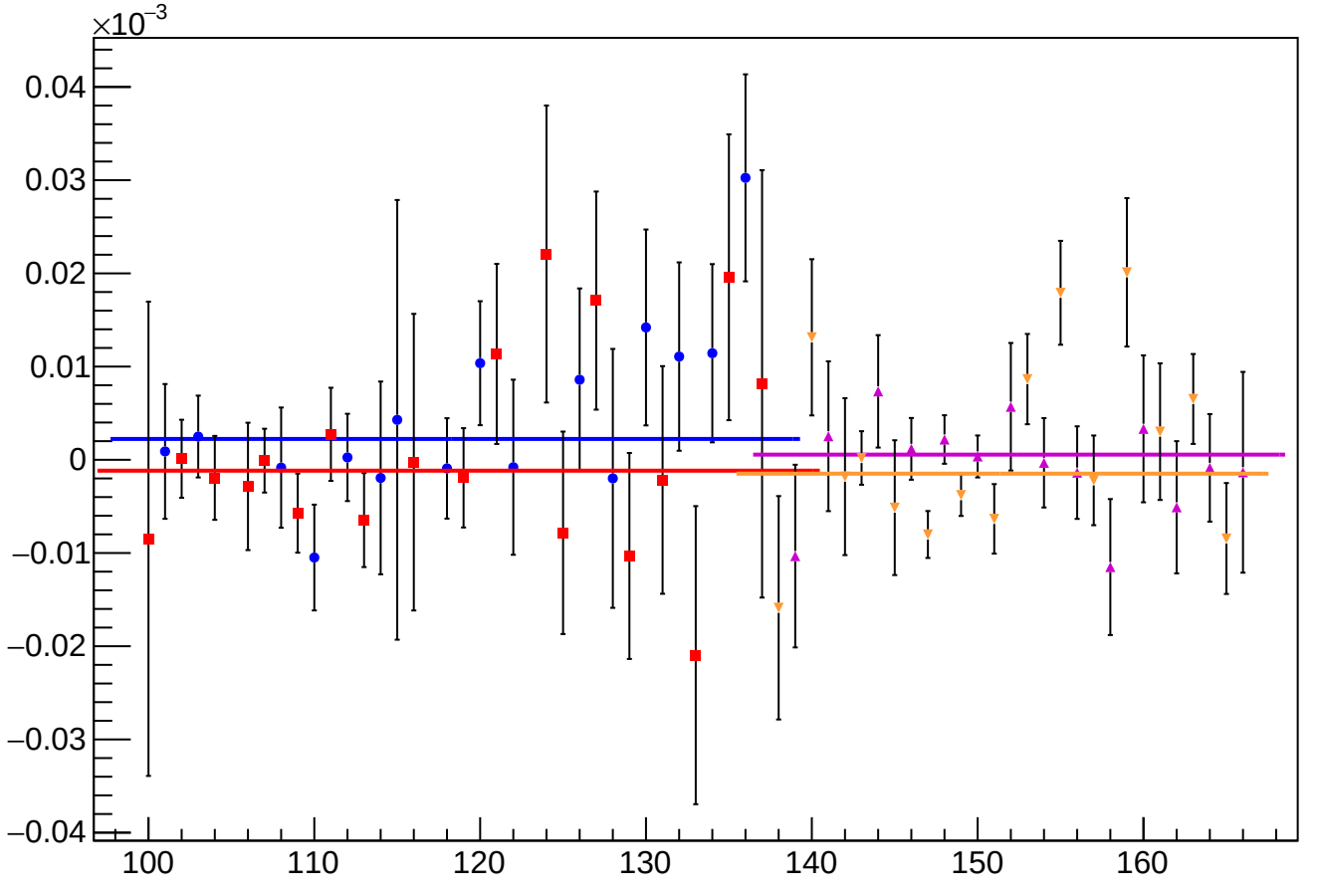
Left: 117.894+/-0.018 χ^2/NDF: 1118556.1/28

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.985+/-0.015 χ^2/NDF:6958944.9/29

Out: 83.362+/-0.015 χ^2/NDF:6582906.9/33

All: 82.175+/-0.011 χ^2/NDF: 13554049.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/13

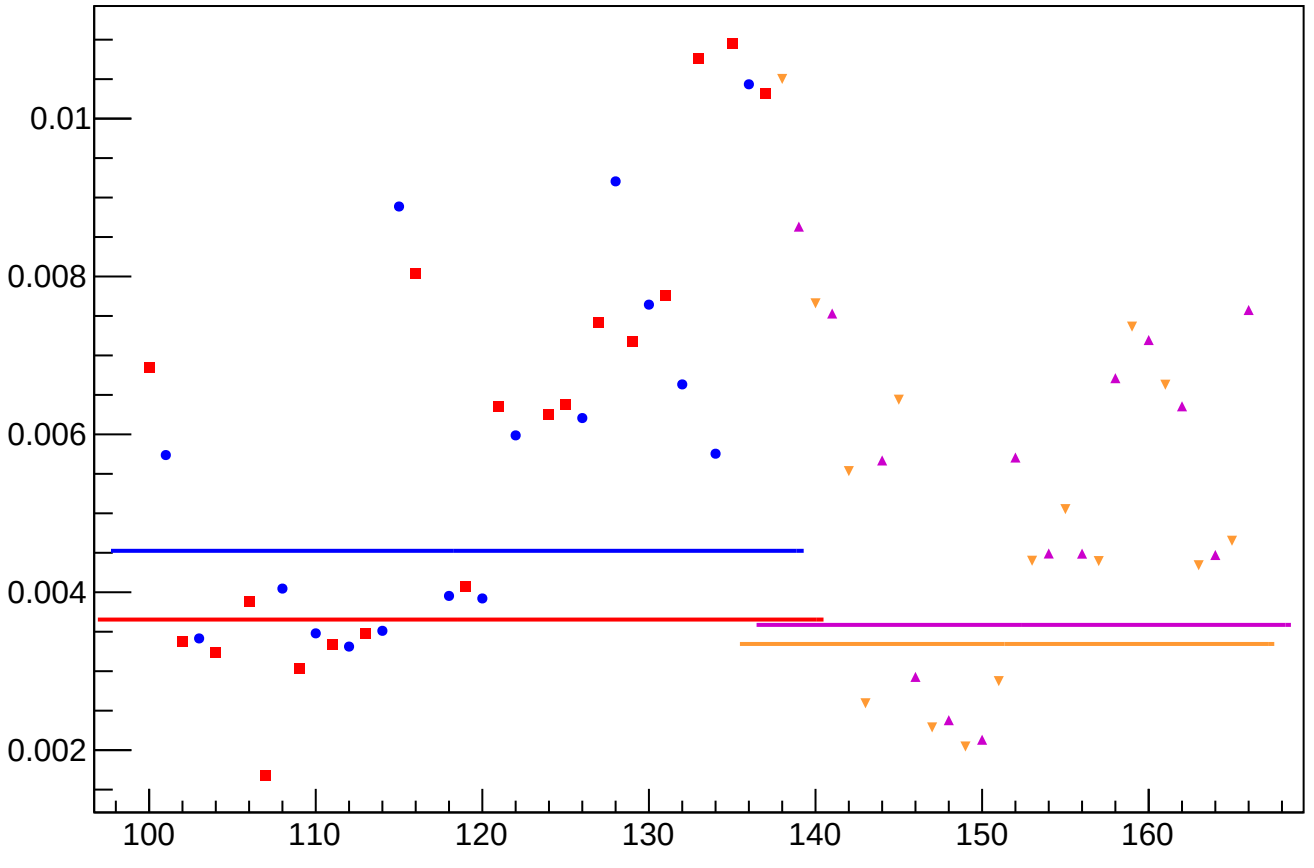
Left: -0.000+/-0.000 χ^2/NDF: 51.8/28

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.4/29

Out: -0.000+/-0.000 χ^2/NDF:57.1/33

All: -0.000+/-0.000 χ^2/NDF: 85.8/63



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4411258.5/14

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4336379.2/13

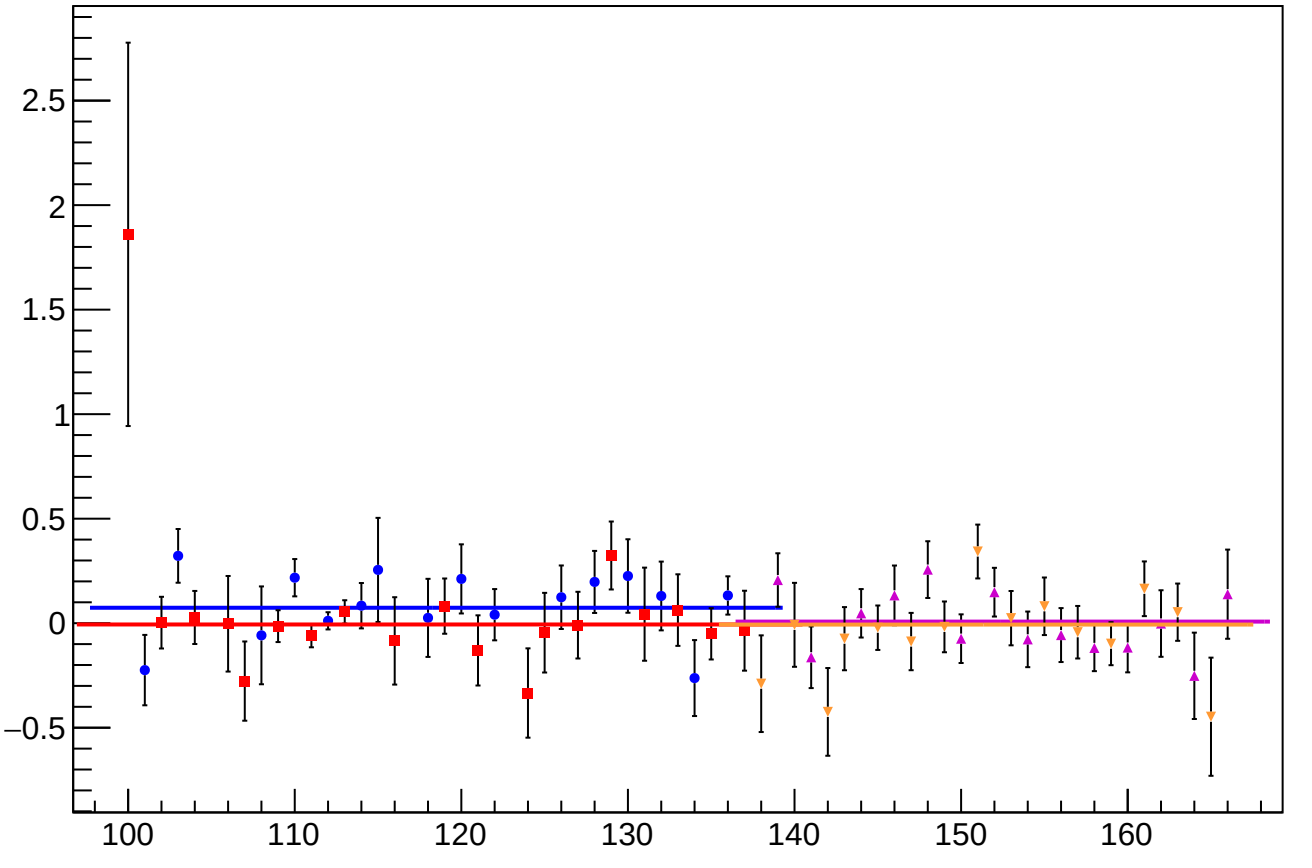
Left: 0.003+/-0.000 χ^2/NDF: 8791539.0/28

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:6429629.9/29

Out: 0.003+/-0.000 χ^2/NDF:7399762.6/33

All: 0.004+/-0.000 χ^2/NDF: 14027864.3/63



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

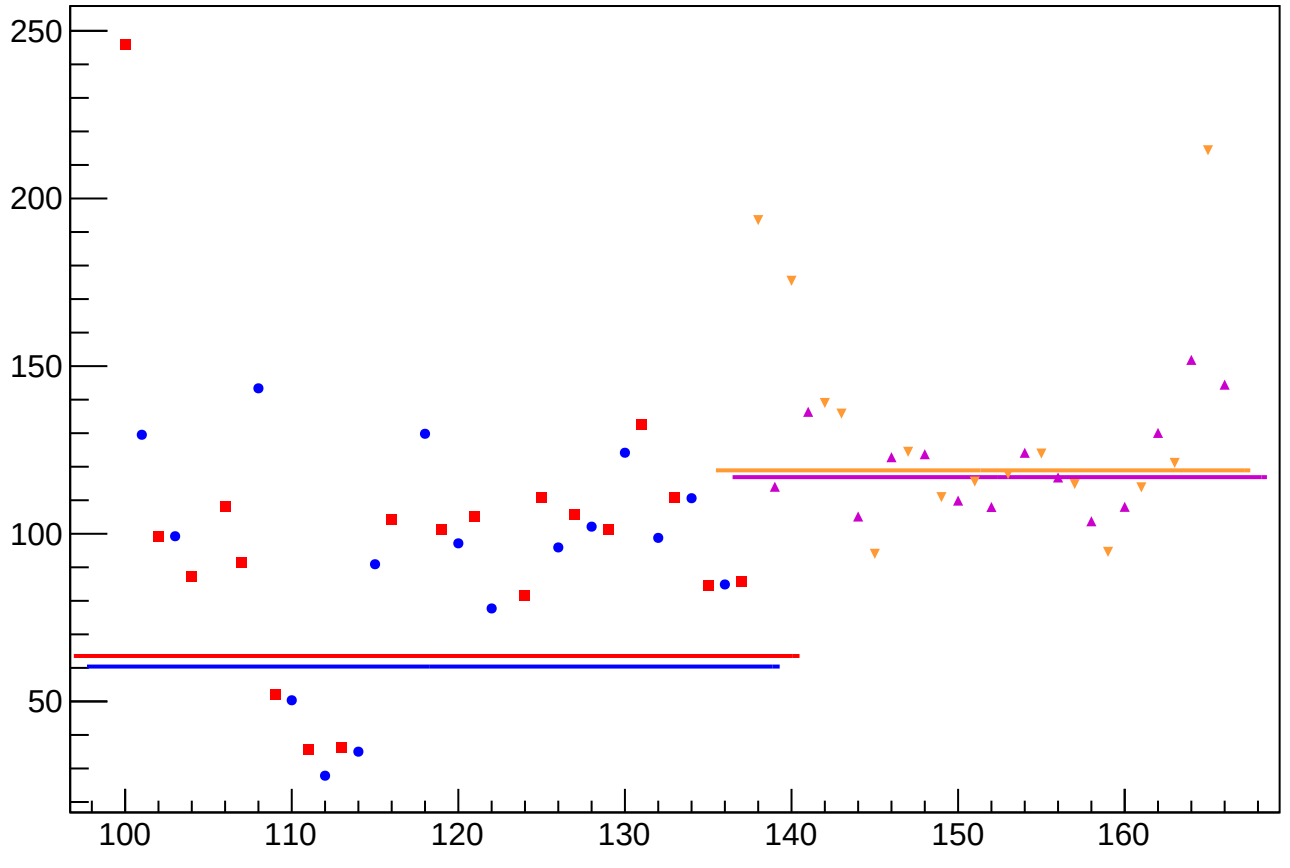
Left: 0.001+/-0.025 χ^2/NDF: 34.1/28

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.022+/-0.015 χ^2/NDF: 75.0/63



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.892+/-0.025 χ^2/NDF:233566.0/13

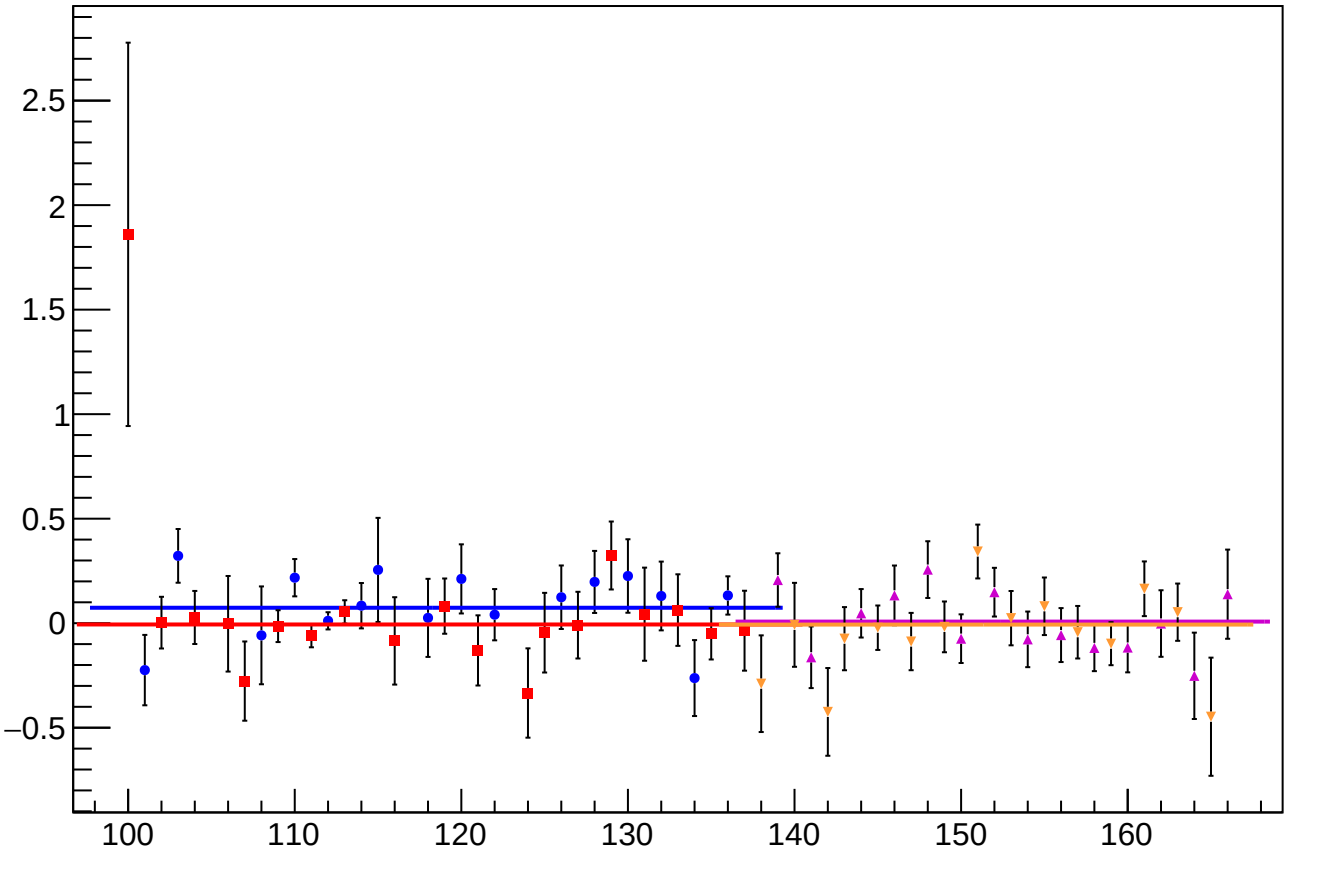
Left: 117.895+/-0.018 χ^2/NDF: 1118523.8/28

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.983+/-0.015 χ^2/NDF:6959585.2/29

Out: 83.360+/-0.015 χ^2/NDF:6583492.3/33

All: 82.174+/-0.011 χ^2/NDF: 13555278.5/63



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.036 χ^2/NDF:14.9/13

Left: 0.001+/-0.025 χ^2/NDF: 34.1/28

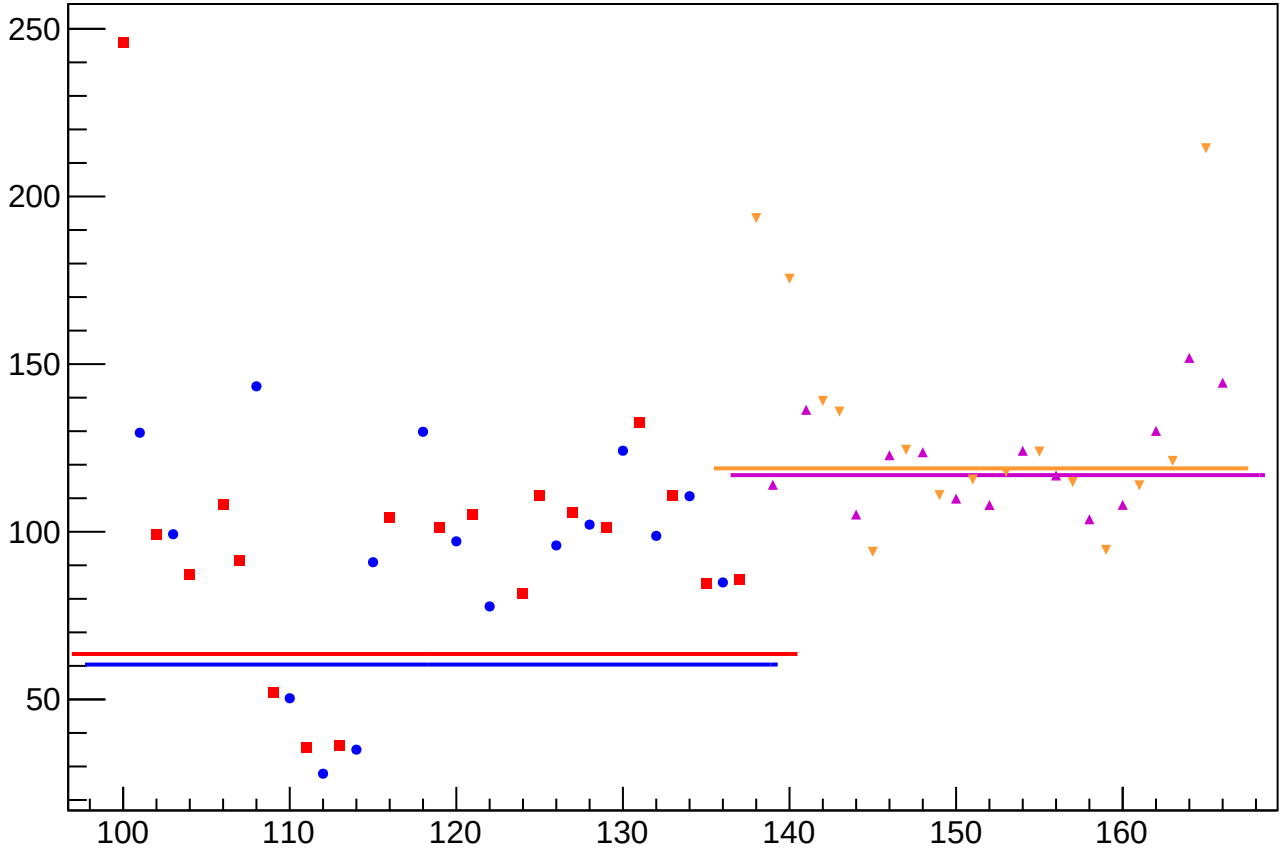
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.022 χ^2/NDF:36.1/29

Out: -0.006+/-0.022 χ^2/NDF:35.5/33

All: 0.022+/-0.015 χ^2/NDF: 75.0/63

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.892+/-0.025 χ^2/NDF:233566.0/13

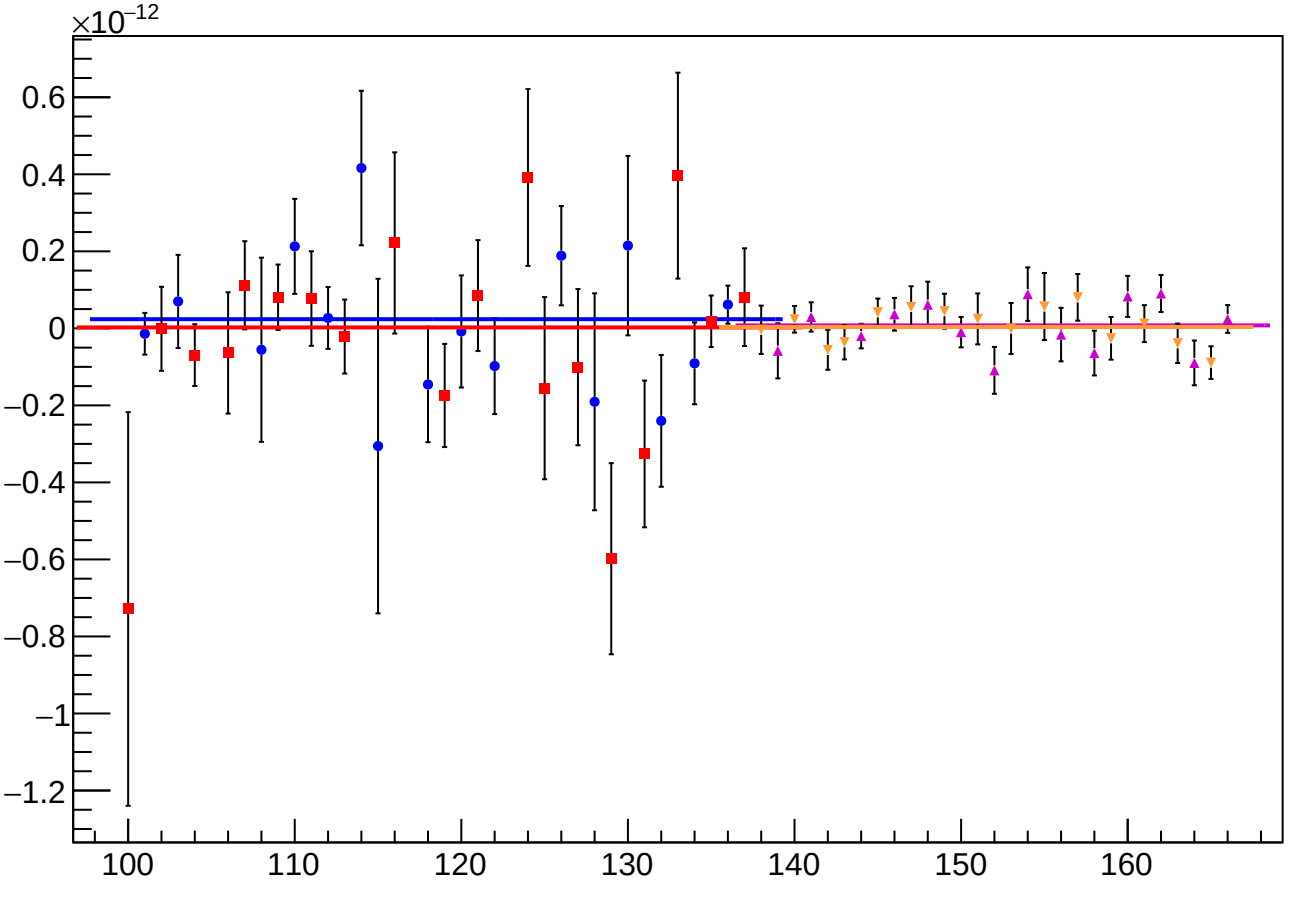
Left: 117.895+/-0.018 χ^2/NDF: 1118523.8/28

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.983+/-0.015 χ^2/NDF:6959585.2/29

Out: 83.360+/-0.015 χ^2/NDF:6583492.3/33

All: 82.174+/-0.011 χ^2/NDF: 13555278.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/13

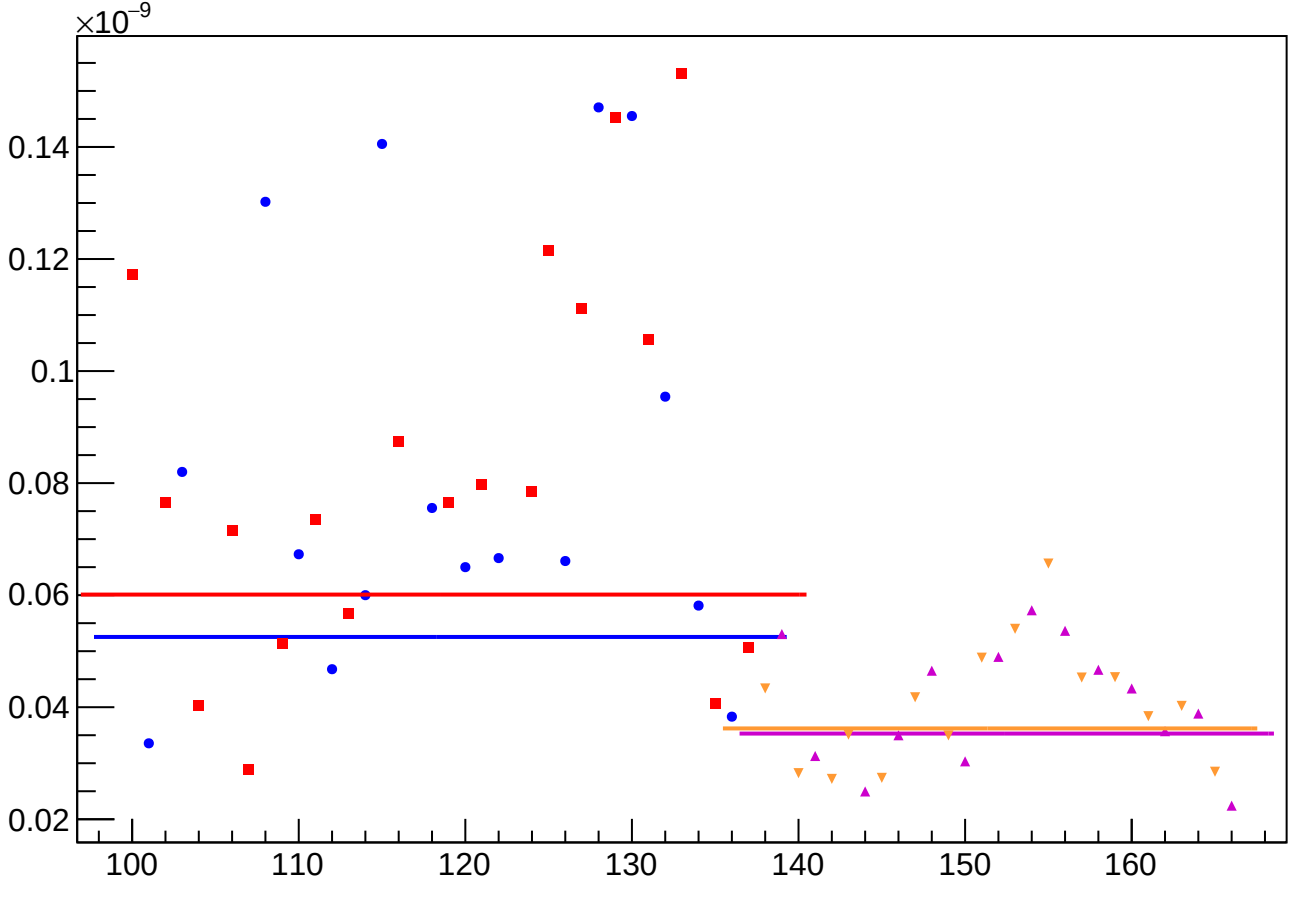
Left: 0.000+/-0.000 χ^2/NDF: 31.3/28

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.2/29

Out: 0.000+/-0.000 χ^2/NDF:36.4/33

All: 0.000+/-0.000 χ^2/NDF: 71.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:967560.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1282361.0/13

Left: 0.000+/-0.000 χ^2/NDF: 2255096.2/28

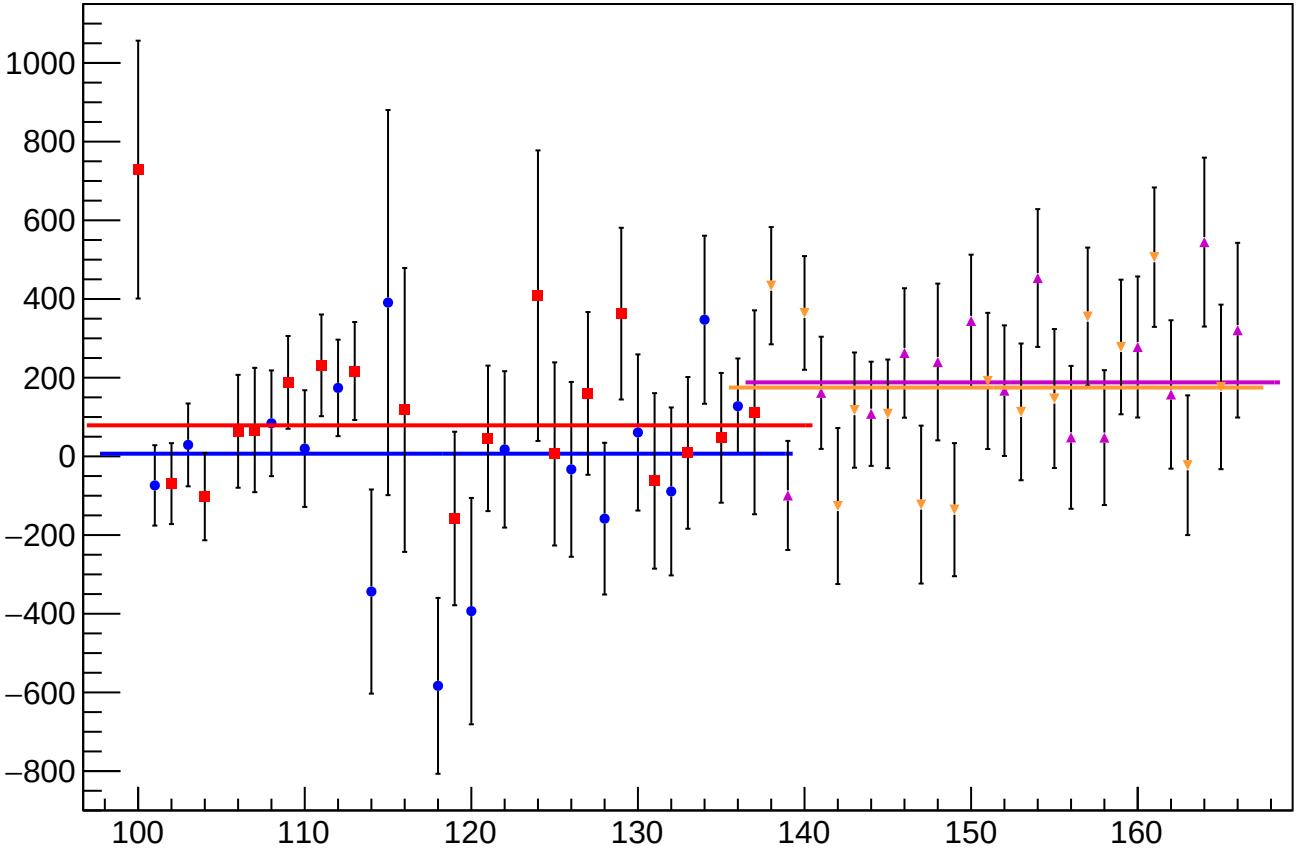
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3632690.8/29

Out: 0.000+/-0.000 χ^2/NDF:3652753.0/33

All: 0.000+/-0.000 χ^2/NDF: 7302782.7/63

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.932+/-43.485 χ^2/NDF:19.3/14

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 188.057+/-45.172 χ^2/NDF:12.8/13

Left: 181.245+/-31.328 χ^2/NDF: 32.2/28

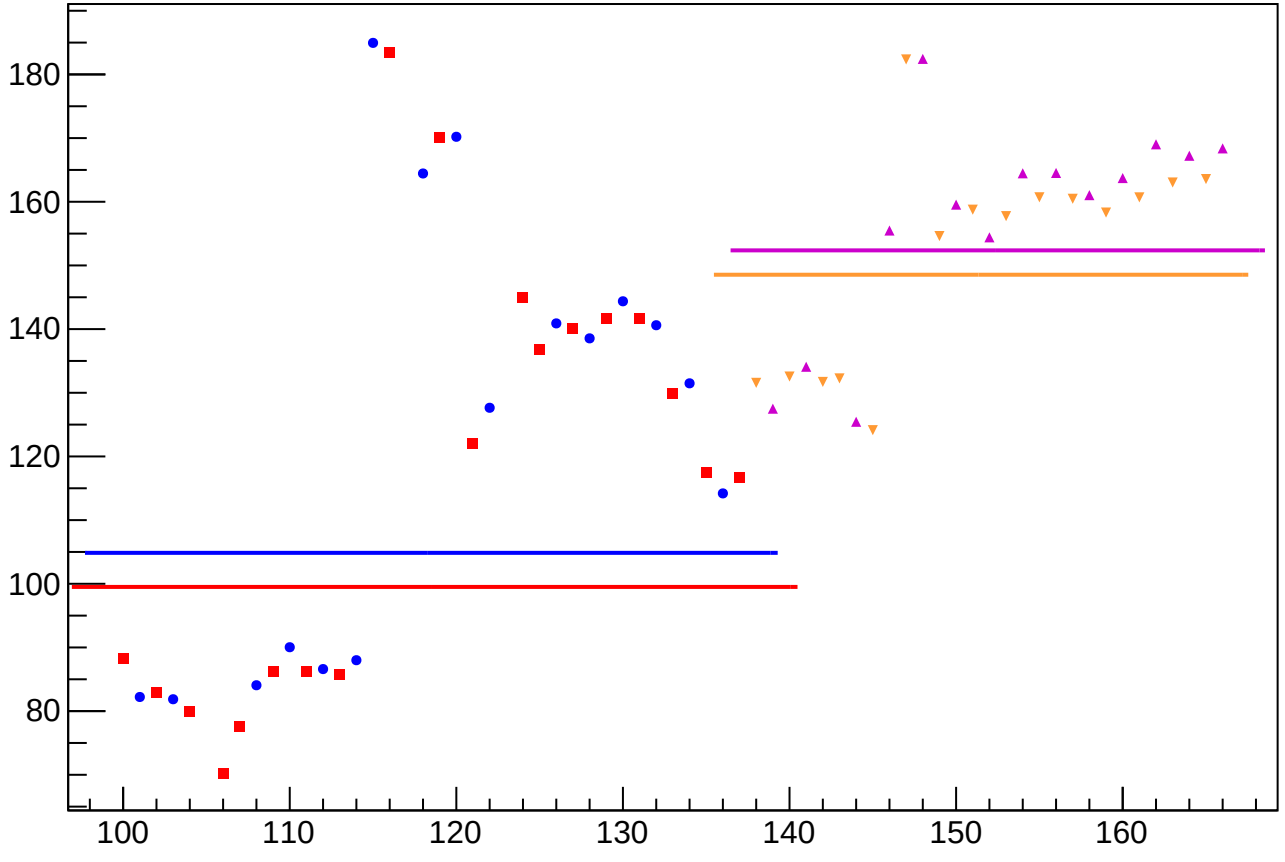
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 87.254+/-30.094 χ^2/NDF:40.5/29

Out: 120.355+/-28.574 χ^2/NDF:38.8/33

All: 104.662+/-20.721 χ^2/NDF: 79.9/63

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.2/13

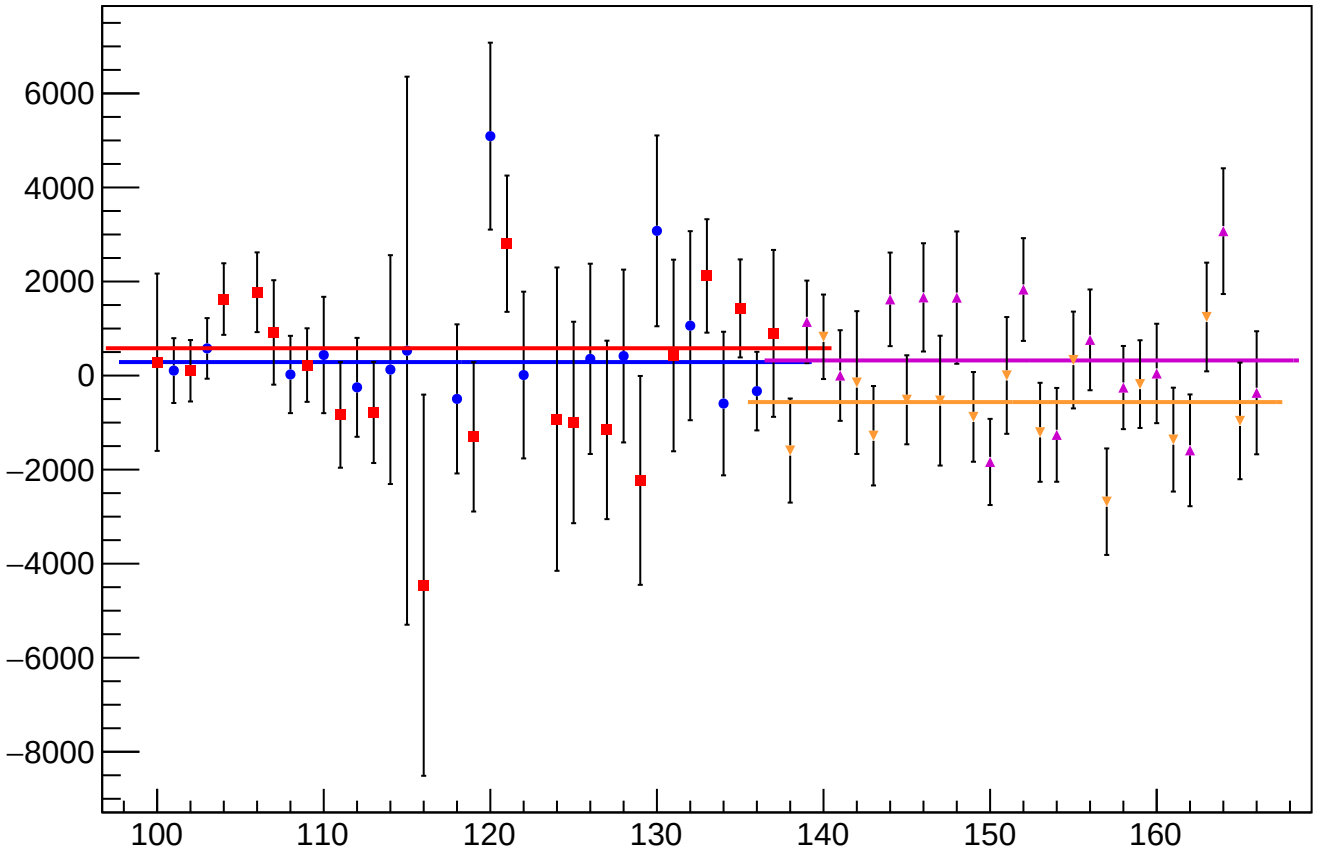
Left: 150.380+/-0.022 χ^2/NDF: 587140.3/28

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 125.945+/-0.021 χ^2/NDF:2458869.9/29

Out: 120.679+/-0.020 χ^2/NDF:2766316.1/33

All: 123.176+/-0.015 χ^2/NDF: 5257388.2/63



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -563.631+/-279.868 χ^2/NDF:12.0/14

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 321.669+/-282.014 χ^2/NDF:22.7/13

Left: -124.361+/-198.651 χ^2/NDF: 39.6/28

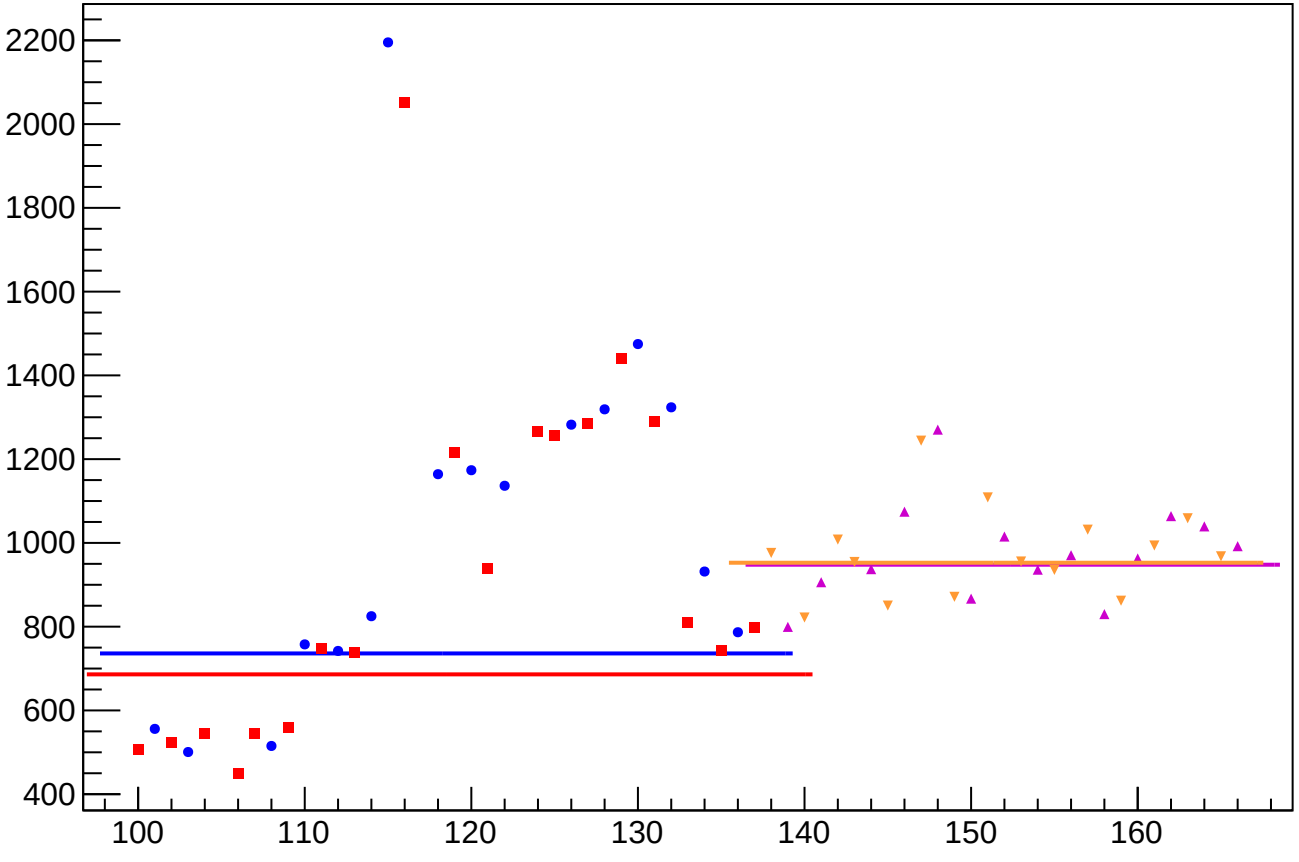
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 304.984+/-203.344 χ^2/NDF:32.4/29

Out: 29.809+/-194.230 χ^2/NDF:39.4/33

All: 161.091+/-140.453 χ^2/NDF: 72.7/63

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253767.0/14

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 947.907+/-0.199 χ^2/NDF:281515.2/13

Left: 950.302+/-0.140 χ^2/NDF: 535568.5/28

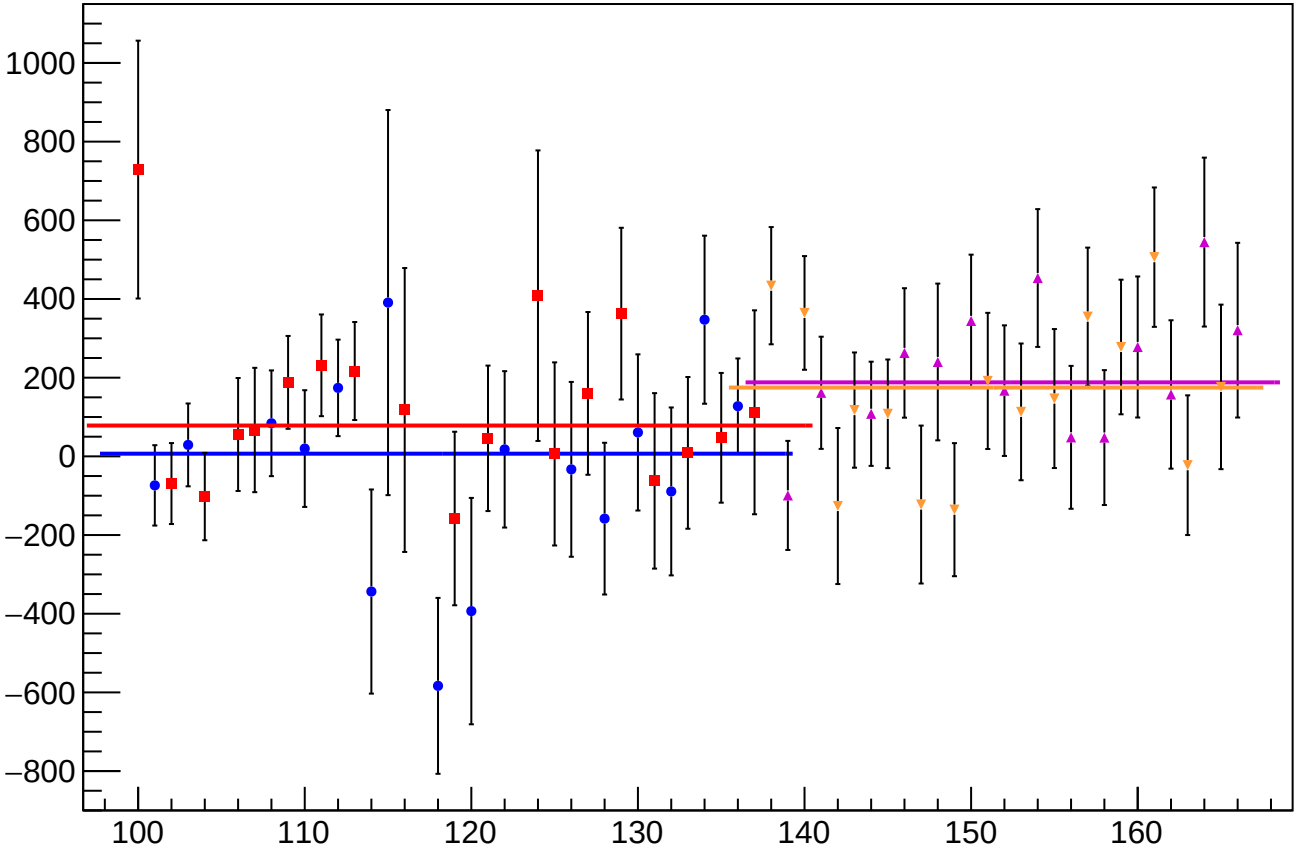
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 846.212+/-0.144 χ^2/NDF:2667716.2/29

Out: 814.492+/-0.137 χ^2/NDF:3013355.9/33

All: 829.625+/-0.099 χ^2/NDF: 5706521.2/63

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.930+/-43.485 χ^2/NDF:19.3/14

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 188.058+/-45.172 χ^2/NDF:12.8/13

Left: 181.244+/-31.328 χ^2/NDF: 32.2/28

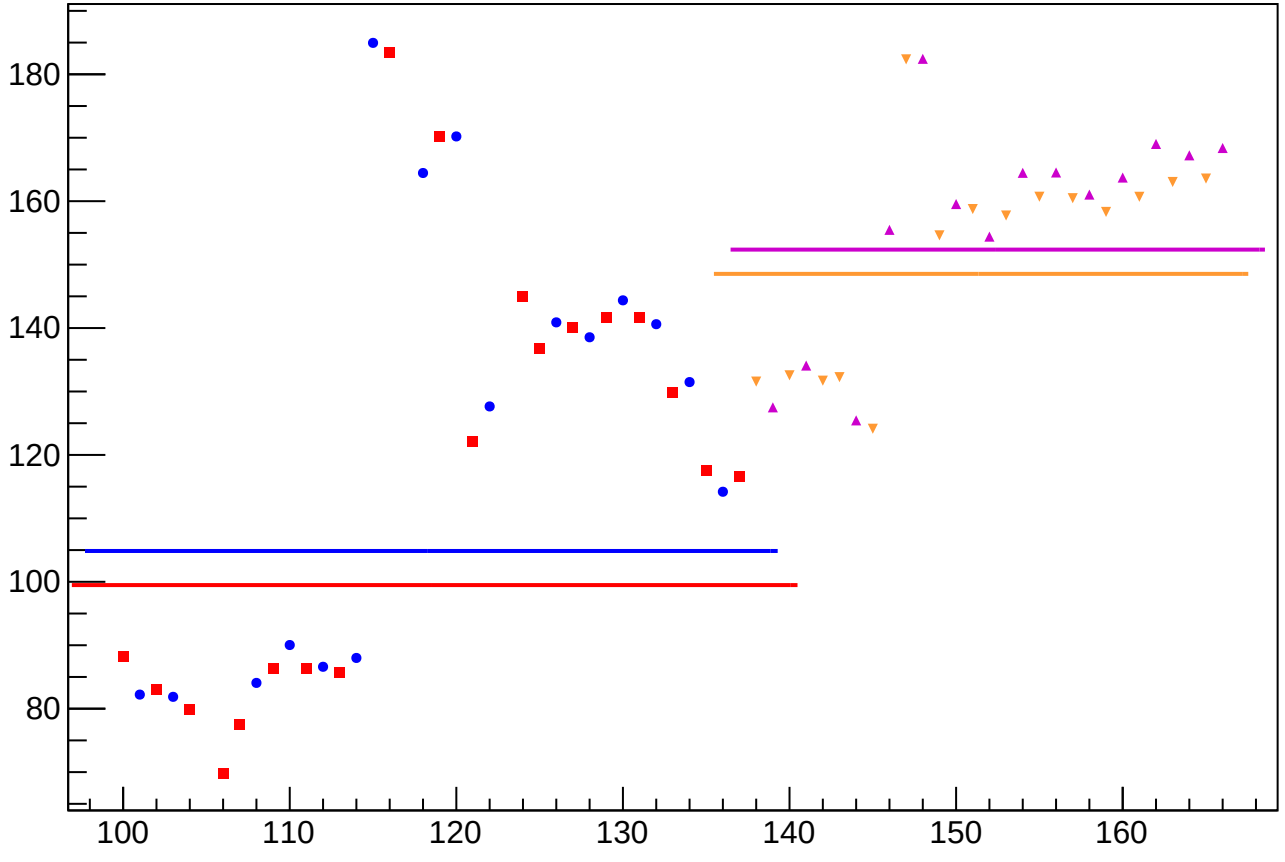
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 87.248+/-30.094 χ^2/NDF:40.5/29

Out: 120.053+/-28.575 χ^2/NDF:38.8/33

All: 104.500+/-20.722 χ^2/NDF: 80.0/63

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.3/13

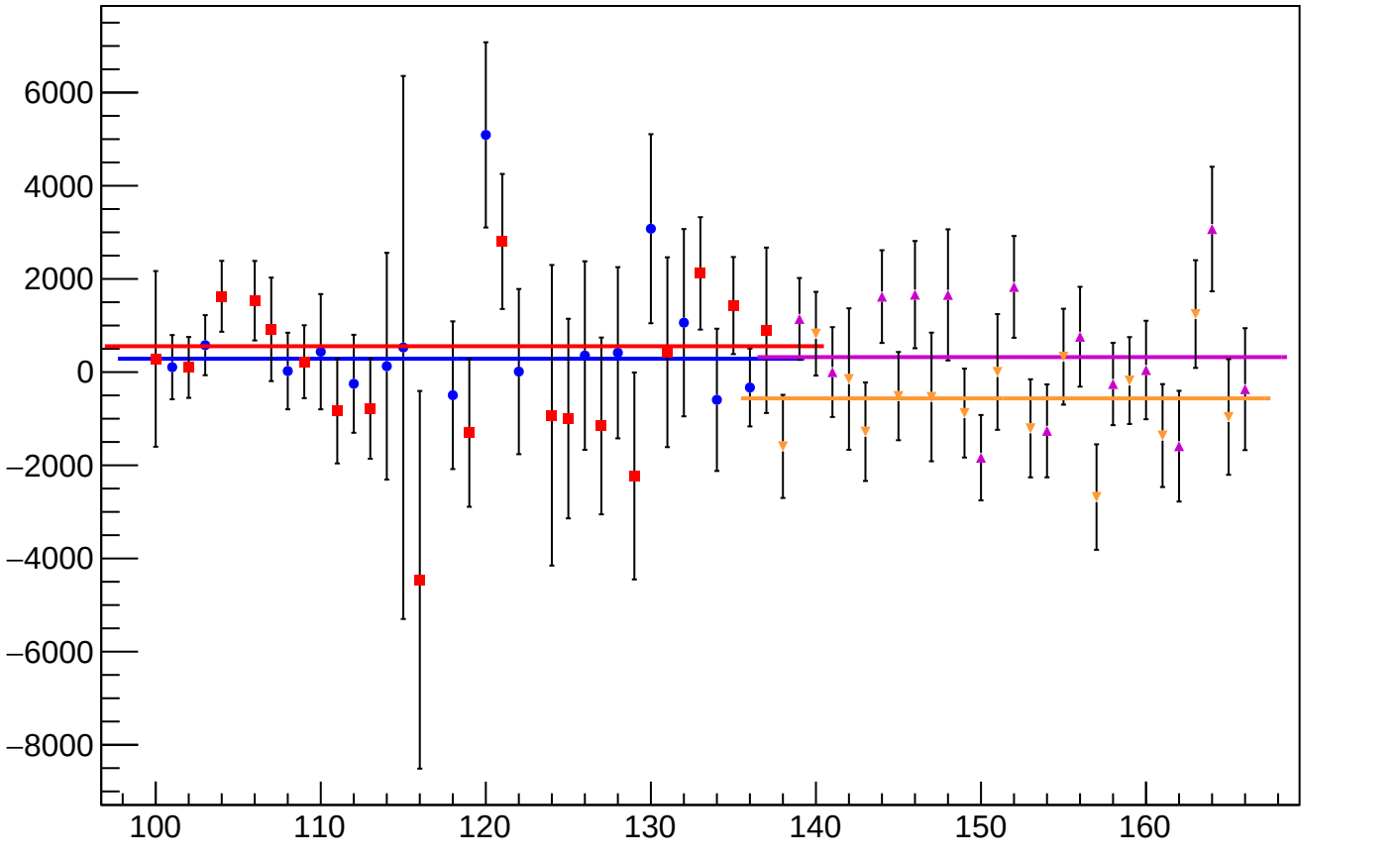
Left: 150.380+/-0.022 χ^2/NDF: 587140.4/28

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

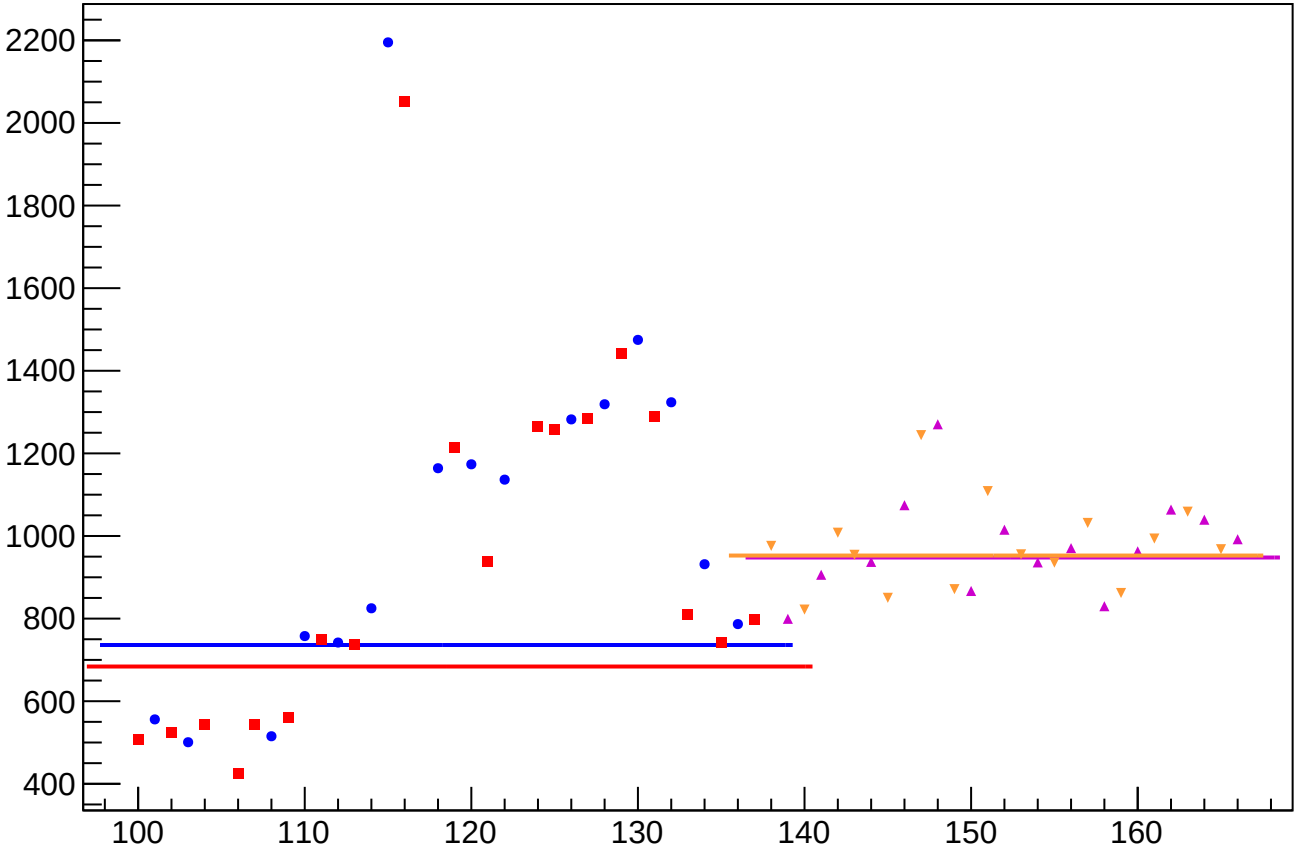
In: 125.945+/-0.021 χ^2/NDF:2458868.3/29

Out: 120.667+/-0.020 χ^2/NDF:2769822.8/33

All: 123.169+/-0.015 χ^2/NDF: 5261037.6/63


asym_sam5_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -563.627+/-279.868 χ²/NDF:12.0/14
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 321.669+/-282.014 χ²/NDF:22.7/13
Left: -124.359+/-198.651 χ²/NDF: 39.6/28
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 304.985+/-203.344 χ²/NDF:32.4/29
Out: 16.078+/-194.296 χ²/NDF:38.3/33
All: 153.961+/-140.478 χ²/NDF: 71.7/63

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 947.907+/-0.199 χ^2/NDF:281516.3/13

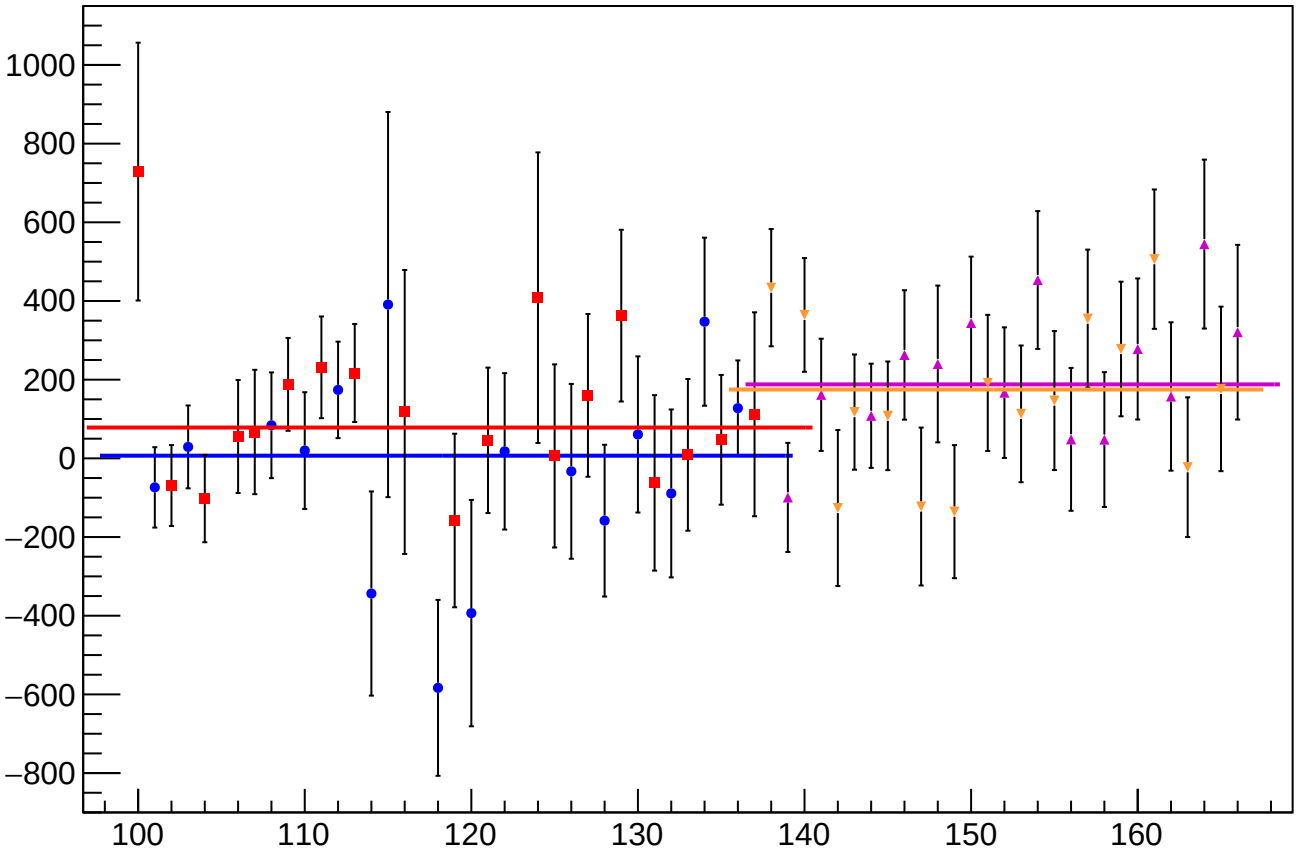
Left: 950.302+/-0.140 χ^2/NDF: 535569.3/28

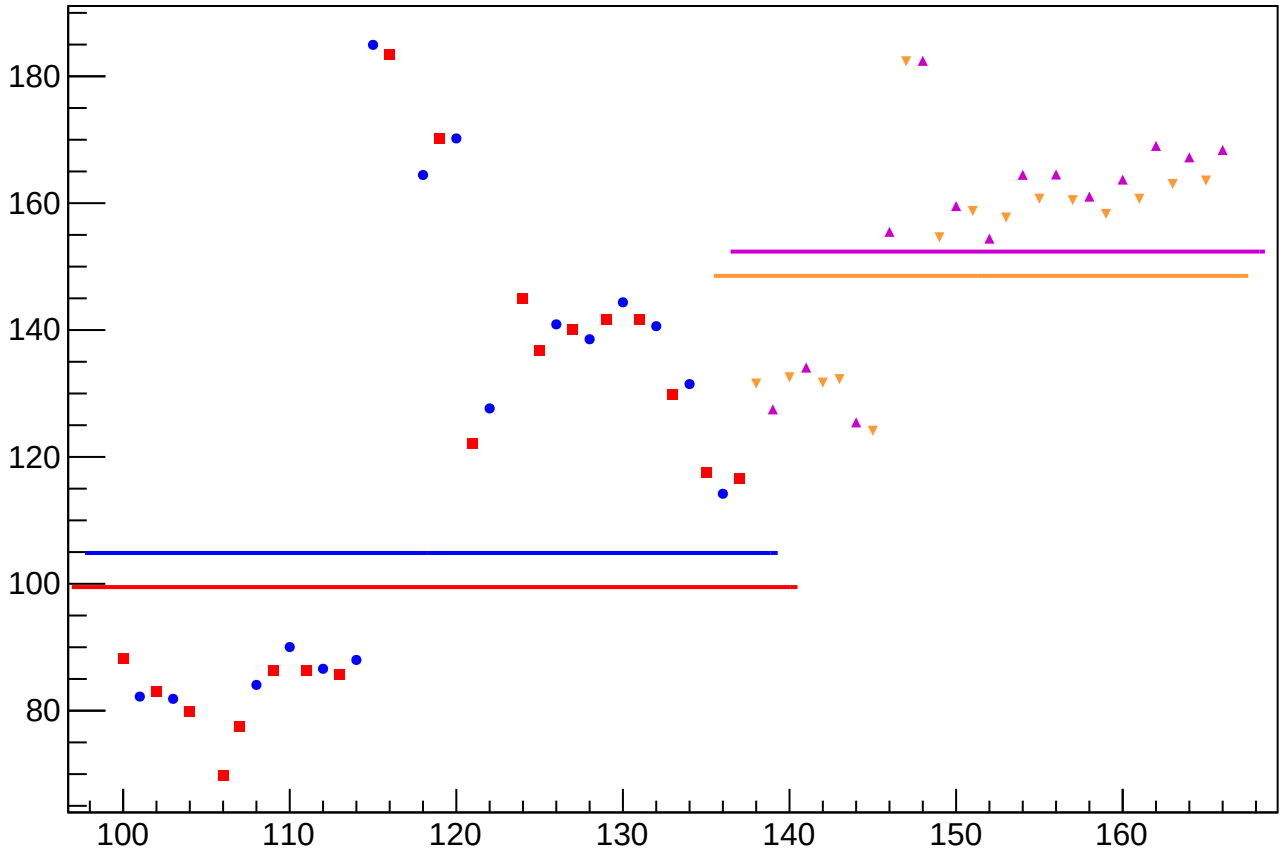
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 846.212+/-0.144 χ^2/NDF:2667723.9/29

Out: 813.477+/-0.137 χ^2/NDF:3059048.5/33

All: 829.100+/-0.099 χ^2/NDF: 5753865.4/63


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 174.930+/-43.485 χ²/NDF:19.3/14
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 188.058+/-45.172 χ²/NDF:12.8/13
Left: 181.244+/-31.328 χ²/NDF: 32.2/28
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 87.248+/-30.094 χ²/NDF:40.5/29
Out: 120.053+/-28.575 χ²/NDF:38.8/33
All: 104.500+/-20.722 χ²/NDF: 80.0/63



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.366+/-0.032 χ^2/NDF:297365.3/13

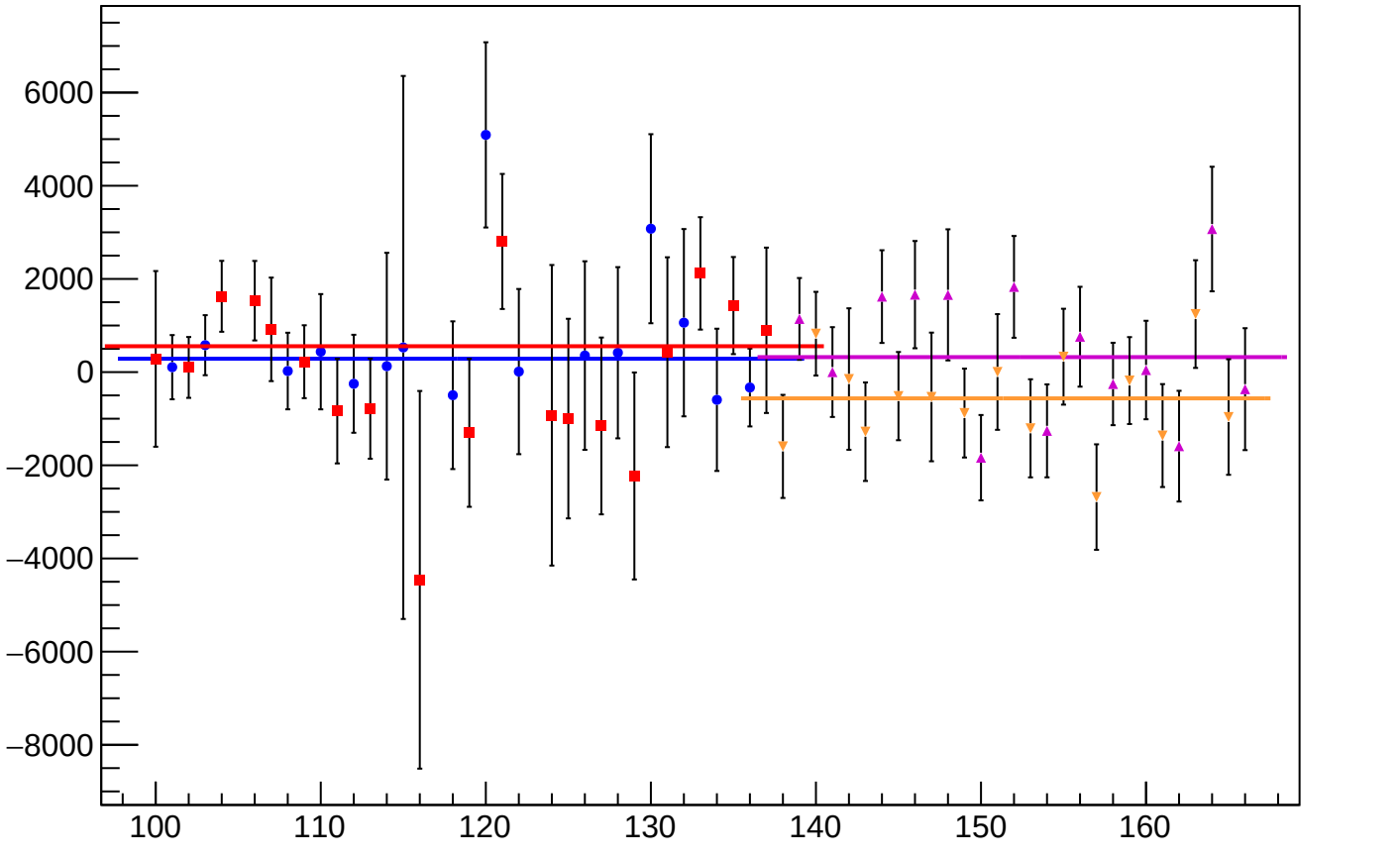
Left: 150.380+/-0.022 χ^2/NDF: 587140.4/28

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

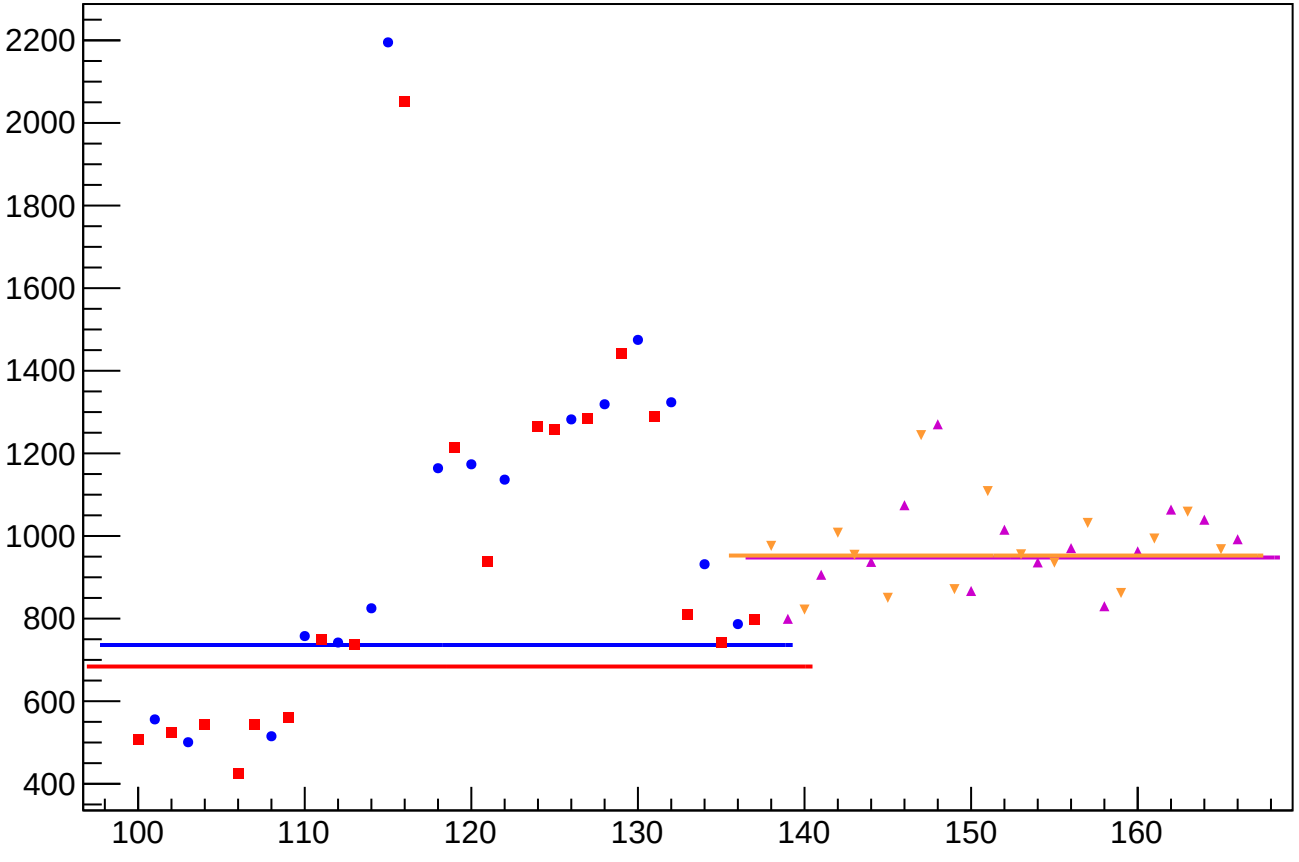
In: 125.945+/-0.021 χ^2/NDF:2458868.3/29

Out: 120.667+/-0.020 χ^2/NDF:2769822.8/33

All: 123.169+/-0.015 χ^2/NDF: 5261037.6/63


asym_sam5_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -563.627+/-279.868 χ²/NDF:12.0/14
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 321.669+/-282.014 χ²/NDF:22.7/13
Left: -124.359+/-198.651 χ²/NDF: 39.6/28
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 304.985+/-203.344 χ²/NDF:32.4/29
Out: 16.078+/-194.296 χ²/NDF:38.3/33
All: 153.961+/-140.478 χ²/NDF: 71.7/63

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 947.907+/-0.199 χ^2/NDF:281516.3/13

Left: 950.302+/-0.140 χ^2/NDF: 535569.3/28

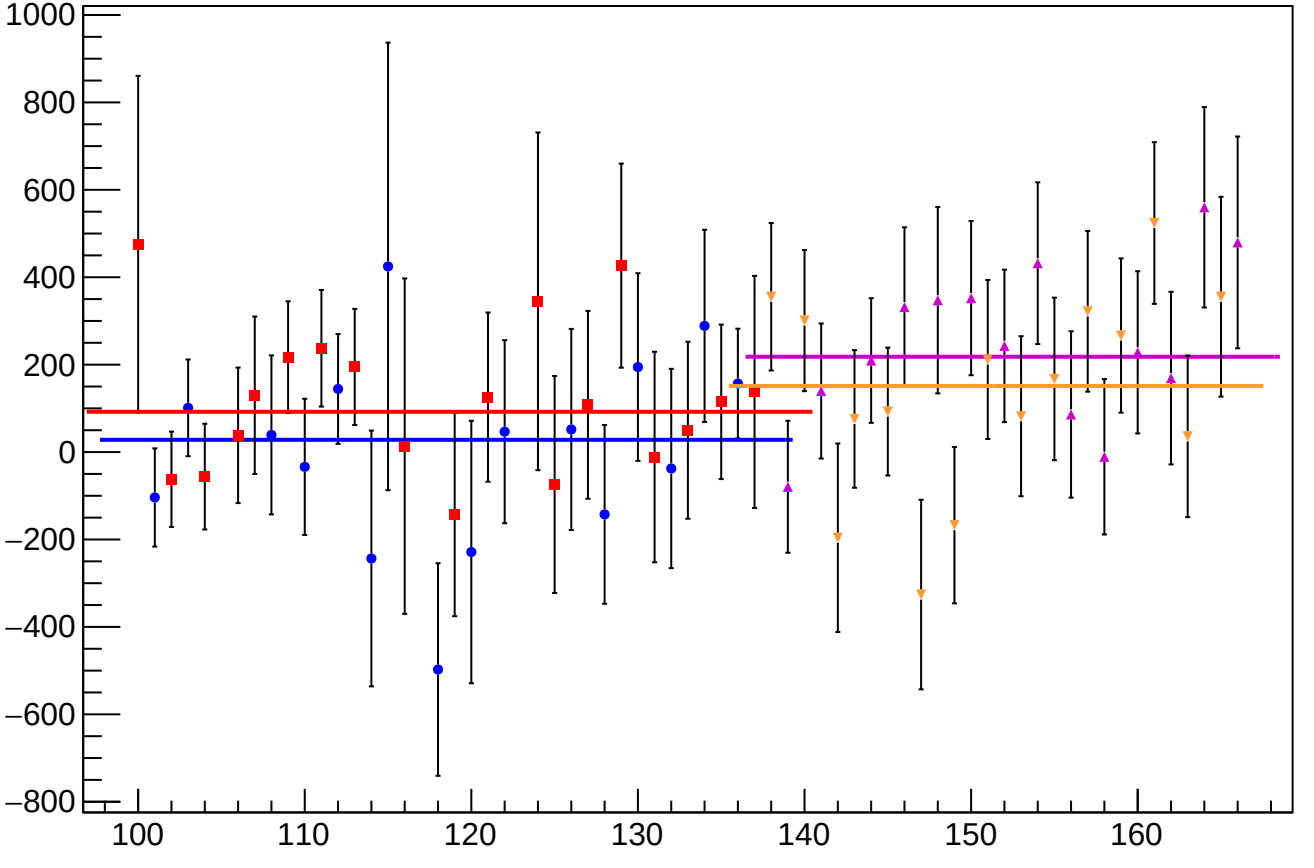
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 846.212+/-0.144 χ^2/NDF:2667723.9/29

Out: 813.477+/-0.137 χ^2/NDF:3059048.5/33

All: 829.100+/-0.099 χ^2/NDF: 5753865.4/63

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.244+/-46.482 χ^2/NDF:20.1/14

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 218.072+/-48.154 χ^2/NDF:12.4/13

Left: 183.477+/-33.443 χ^2/NDF: 33.5/28

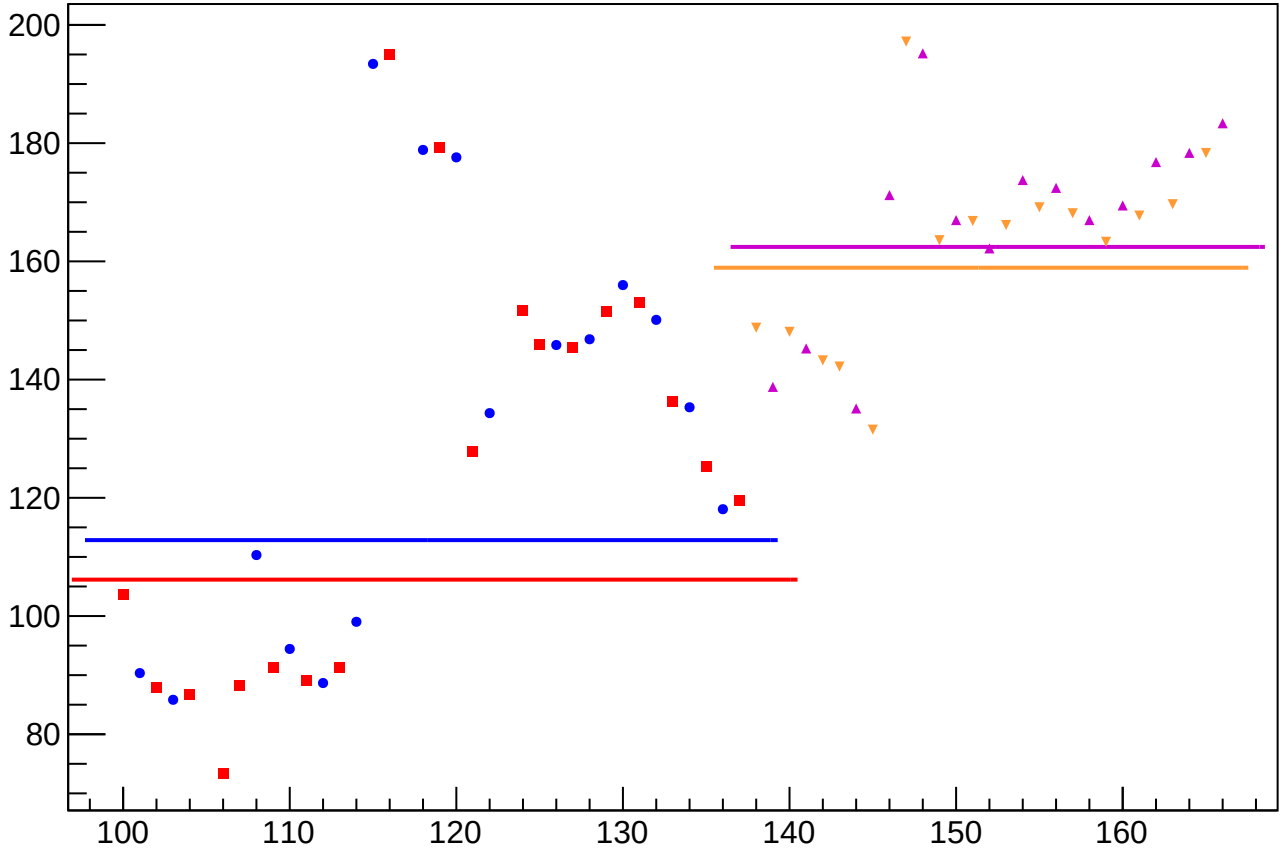
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 113.329+/-32.254 χ^2/NDF:34.6/29

Out: 117.735+/-30.552 χ^2/NDF:32.7/33

All: 115.651+/-22.181 χ^2/NDF: 67.3/63

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.928+/-0.033 χ^2/NDF:227971.0/14

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 162.446+/-0.034 χ^2/NDF:252805.6/13

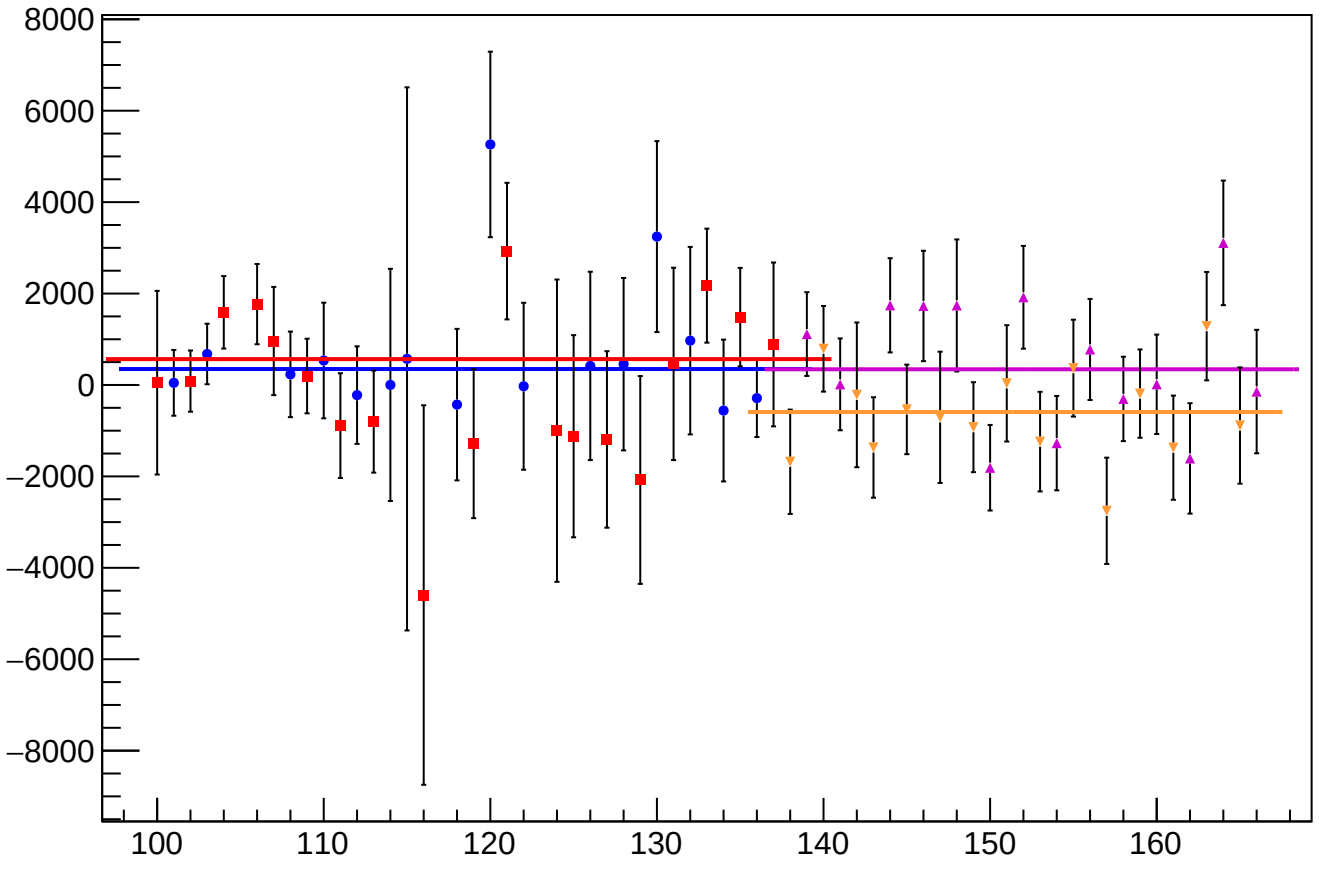
Left: 160.625+/-0.024 χ^2/NDF: 486302.8/28

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 135.097+/-0.023 χ^2/NDF:2295091.1/29

Out: 128.956+/-0.022 χ^2/NDF:2694172.3/33

All: 131.860+/-0.016 χ^2/NDF: 5027479.8/63



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 343.348+/-291.508 χ^2/NDF:22.2/13

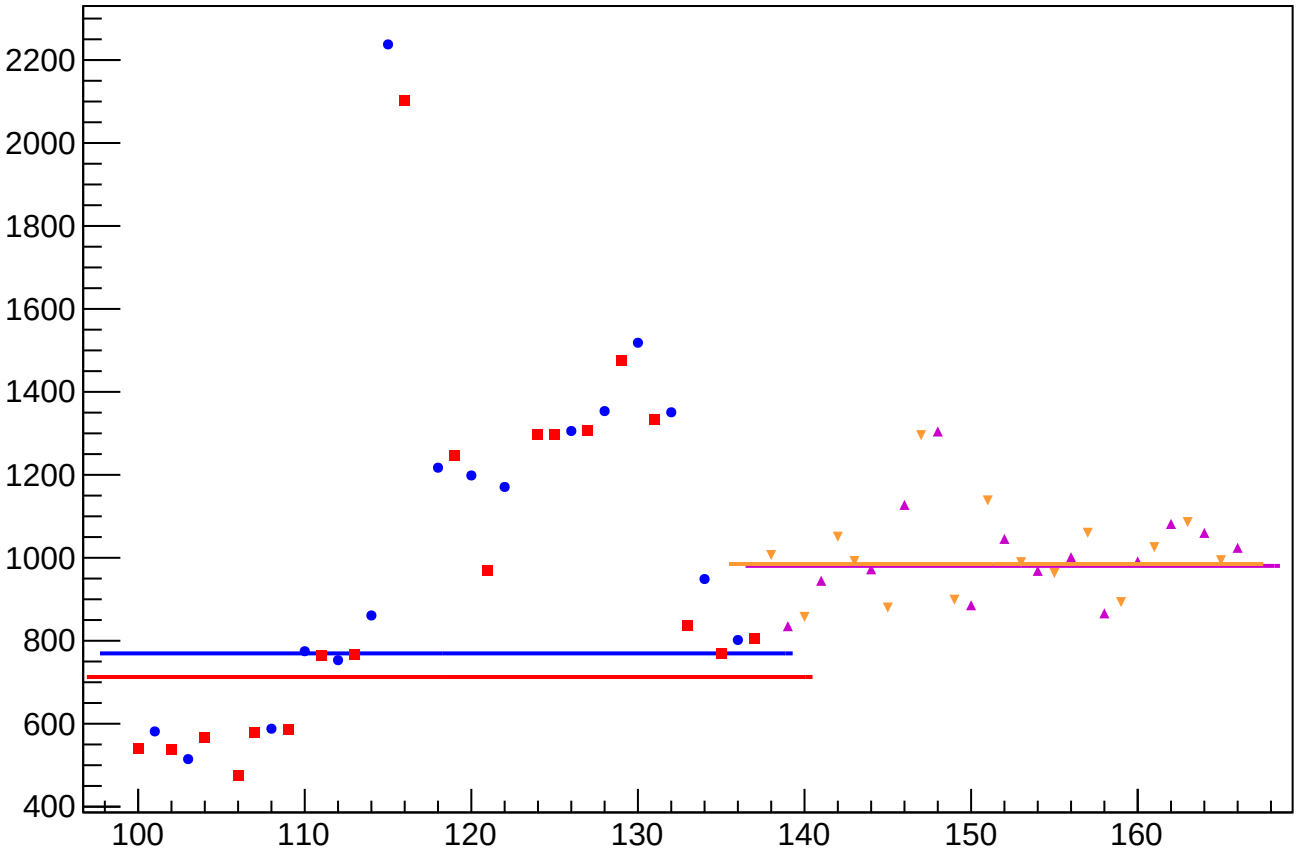
Left: -128.117+/-205.312 χ^2/NDF: 39.2/28

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 346.097+/-210.844 χ^2/NDF:32.0/29

Out: 7.279+/-200.879 χ^2/NDF:38.4/33

All: 168.492+/-145.438 χ^2/NDF: 71.8/63



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 985.103+/-0.205 χ^2/NDF:246726.0/14

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 980.538+/-0.206 χ^2/NDF:265426.2/13

Left: 982.838+/-0.145 χ^2/NDF: 512399.3/28

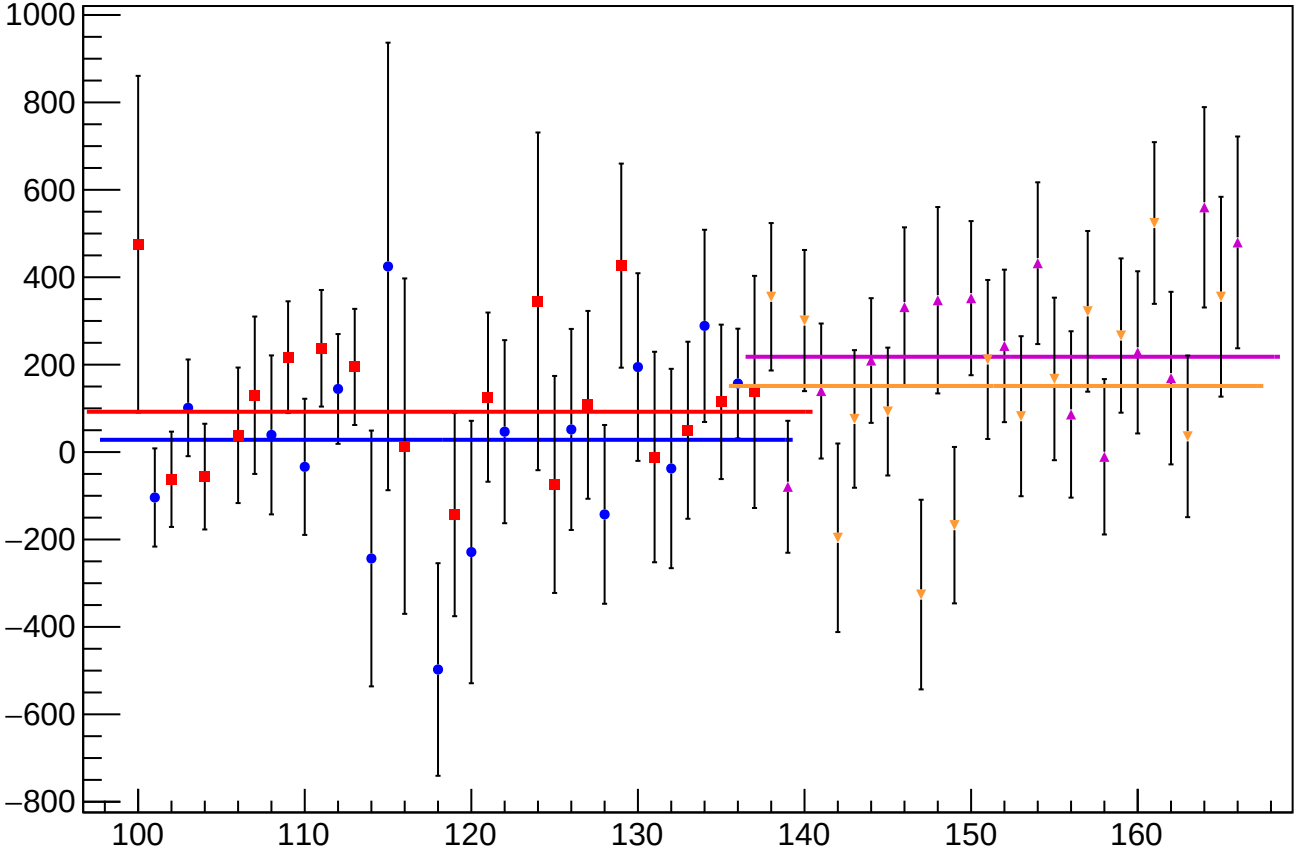
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 879.930+/-0.149 χ^2/NDF:2504939.5/29

Out: 844.074+/-0.142 χ^2/NDF:2932738.6/33

All: 861.135+/-0.103 χ^2/NDF: 5467997.3/63

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.245+/-46.482 χ^2/NDF:20.1/14

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 218.073+/-48.154 χ^2/NDF:12.4/13

Left: 183.478+/-33.443 χ^2/NDF: 33.5/28

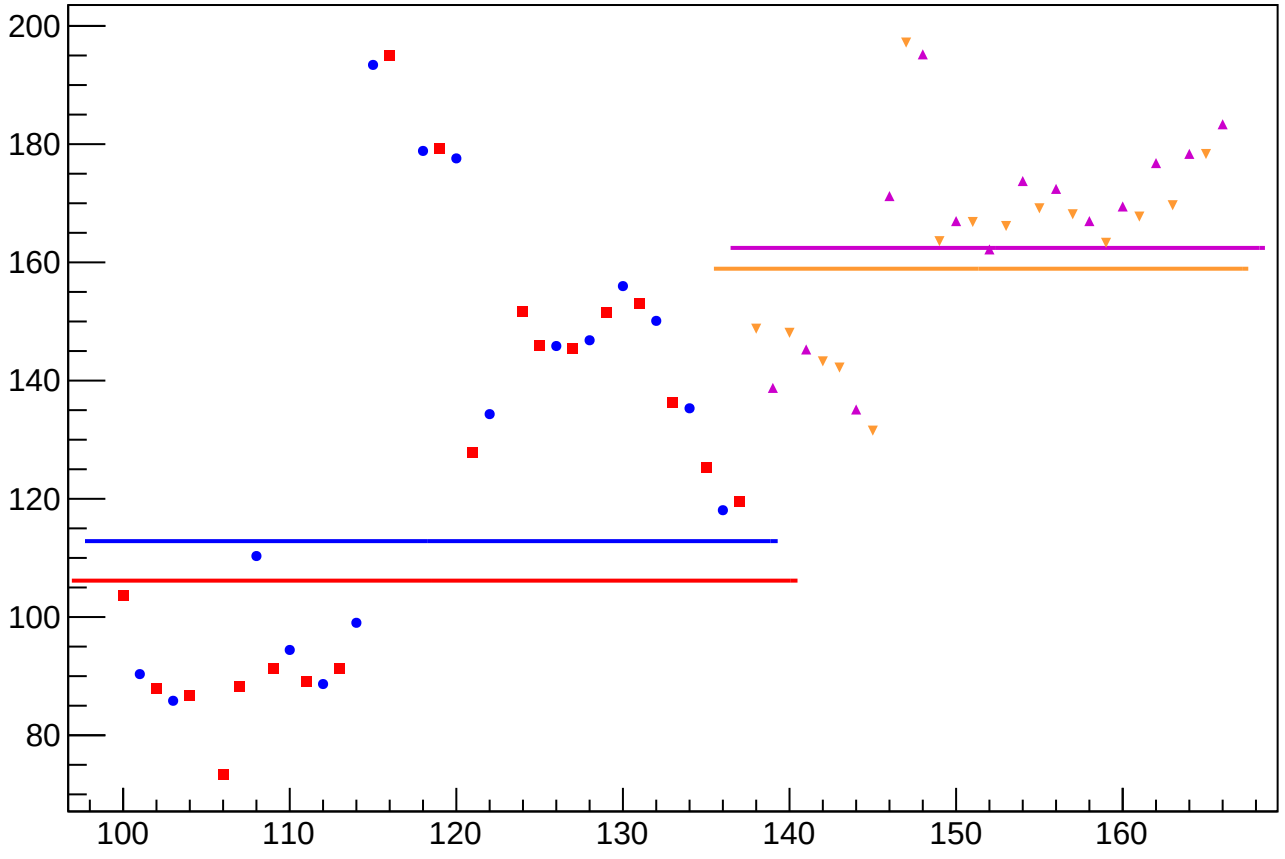
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 113.329+/-32.254 χ^2/NDF:34.6/29

Out: 117.735+/-30.552 χ^2/NDF:32.7/33

All: 115.651+/-22.181 χ^2/NDF: 67.3/63

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.928+/-0.033 χ^2/NDF:227972.0/14

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 162.446+/-0.034 χ^2/NDF:252800.0/13

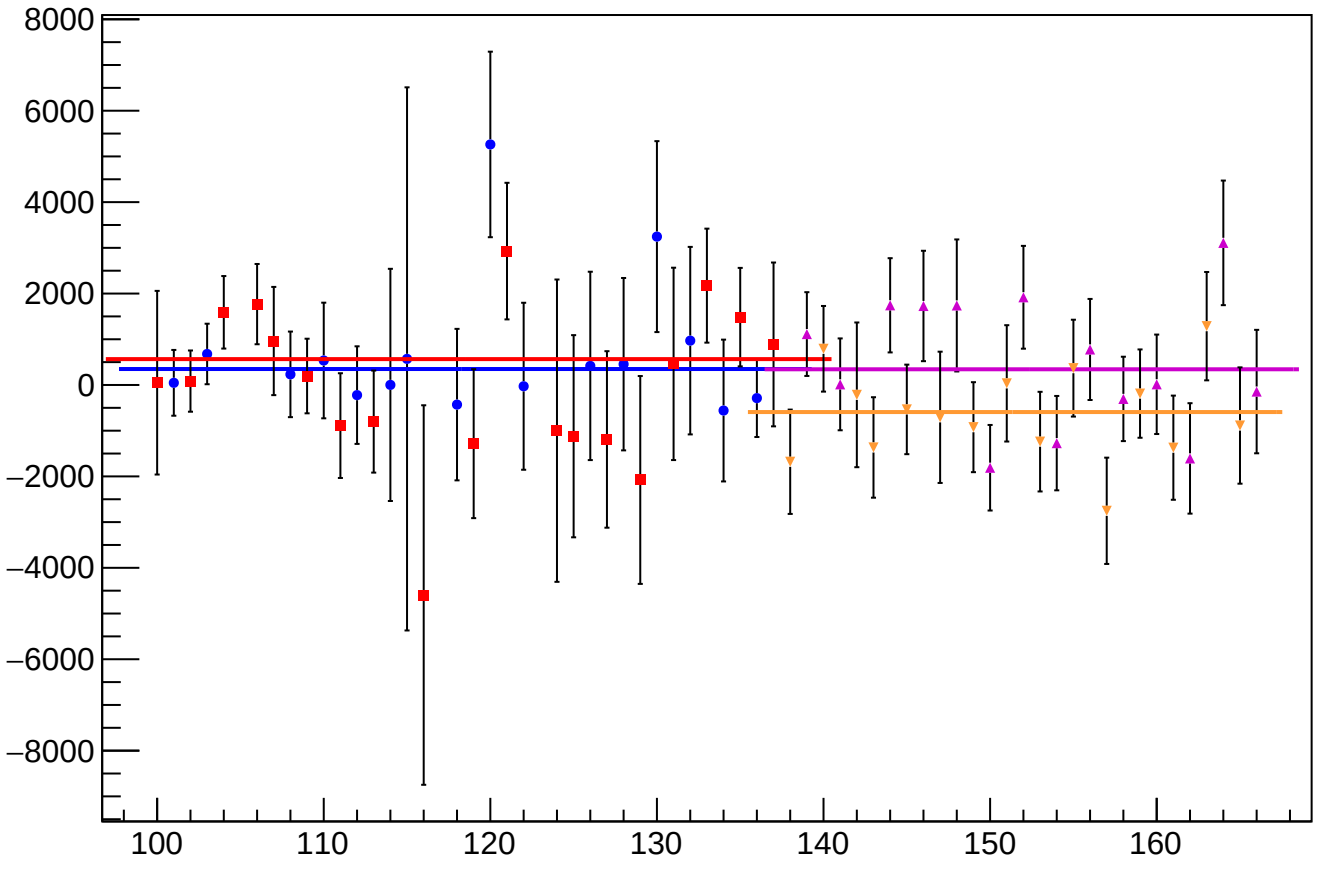
Left: 160.625+/-0.024 χ^2/NDF: 486298.5/28

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 135.097+/-0.023 χ^2/NDF:2295107.5/29

Out: 128.956+/-0.022 χ^2/NDF:2694185.2/33

All: 131.860+/-0.016 χ^2/NDF: 5027508.8/63



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 343.348+/-291.508 χ^2/NDF:22.2/13

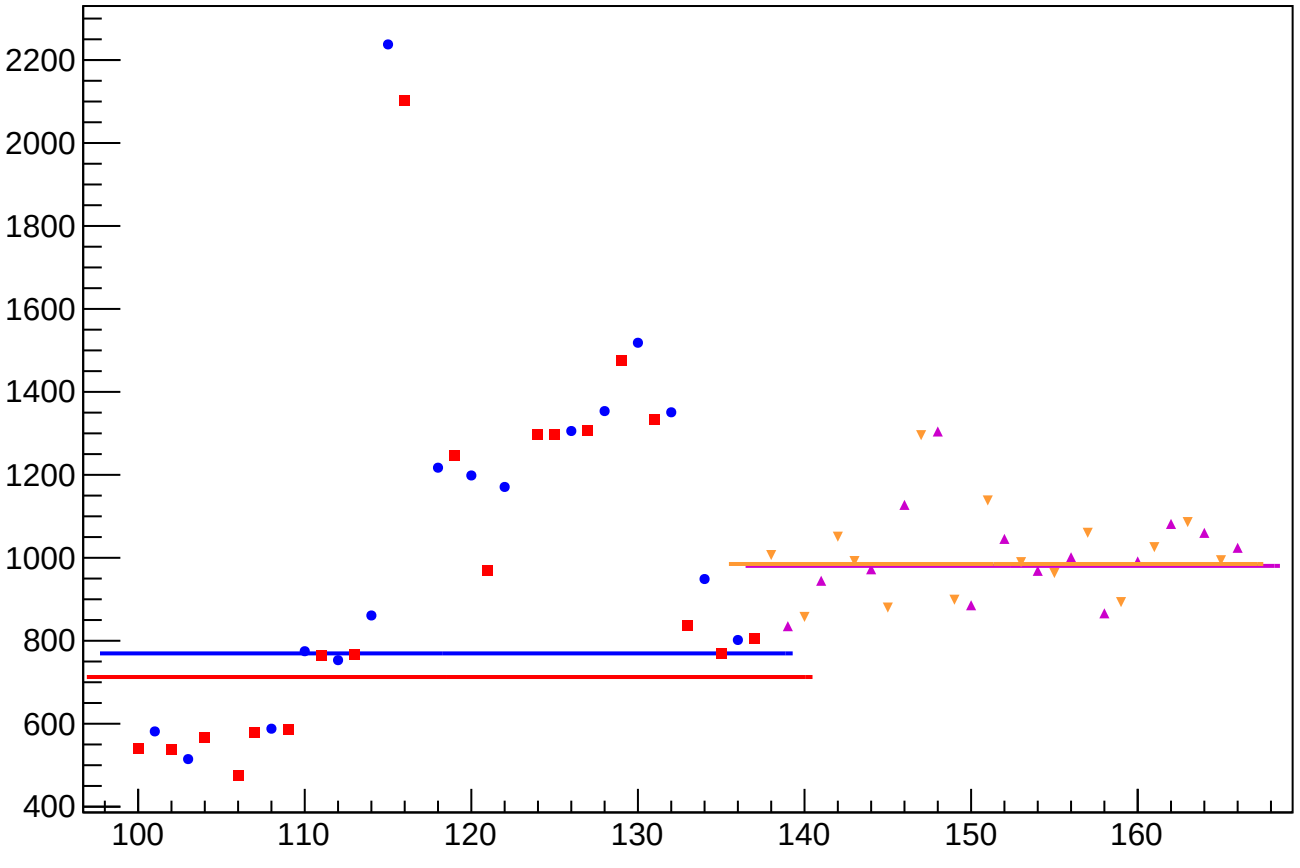
Left: -128.117+/-205.313 χ^2/NDF: 39.2/28

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 346.096+/-210.844 χ^2/NDF:32.0/29

Out: 7.281+/-200.879 χ^2/NDF:38.4/33

All: 168.493+/-145.438 χ^2/NDF: 71.8/63



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 985.104+/-0.205 χ^2/NDF:246726.3/14

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 980.539+/-0.206 χ^2/NDF:265425.4/13

Left: 982.840+/-0.145 χ^2/NDF: 512398.9/28

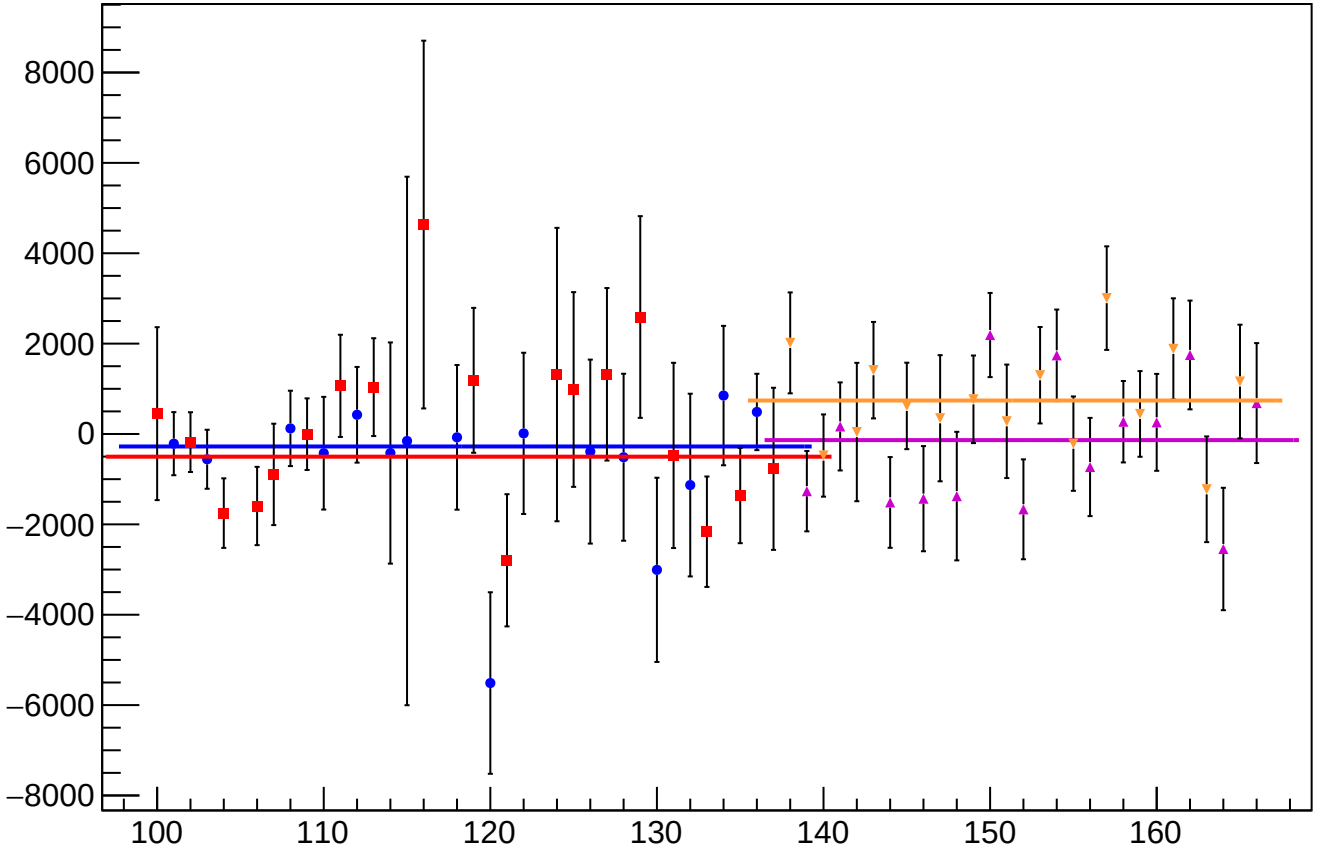
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 879.930+/-0.149 χ^2/NDF:2504947.3/29

Out: 844.074+/-0.142 χ^2/NDF:2932750.2/33

All: 861.135+/-0.103 χ^2/NDF: 5468016.7/63

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 740.969+/-283.438 χ^2/NDF:13.0/14

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -135.596+/-285.855 χ^2/NDF:23.8/13

Left: 306.407+/-201.270 χ^2/NDF: 41.6/28

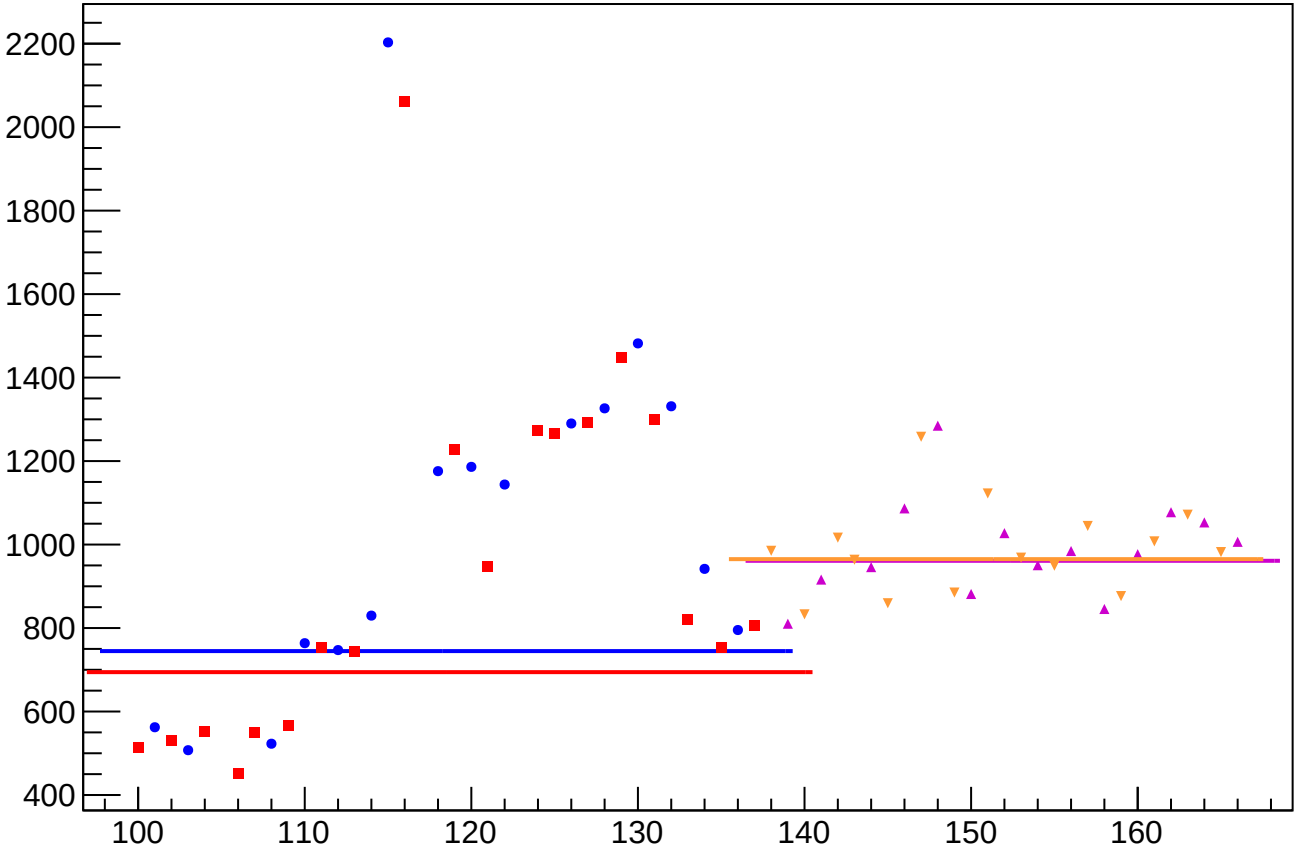
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -203.279+/-205.860 χ^2/NDF:35.0/29

Out: 96.162+/-196.623 χ^2/NDF:43.5/33

All: -46.690+/-142.187 χ^2/NDF: 79.6/63

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 965.062+/-0.200 χ^2/NDF:250180.9/14

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 961.097+/-0.202 χ^2/NDF:275443.5/13

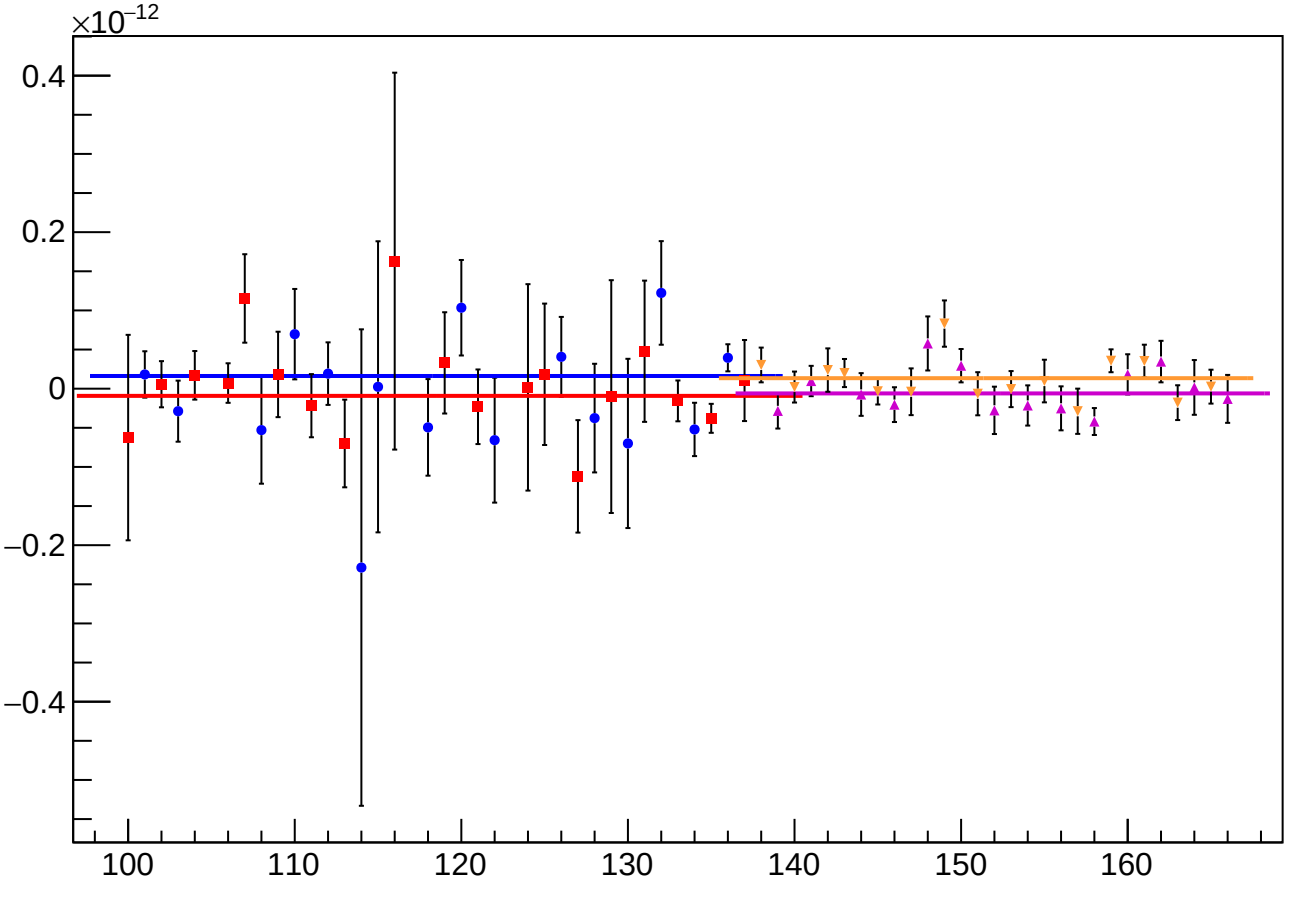
Left: 963.096+/-0.142 χ^2/NDF: 525818.4/28

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 856.968+/-0.146 χ^2/NDF:2649303.7/29

Out: 824.624+/-0.139 χ^2/NDF:3000392.0/33

All: 840.054+/-0.101 χ^2/NDF: 5675515.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/13

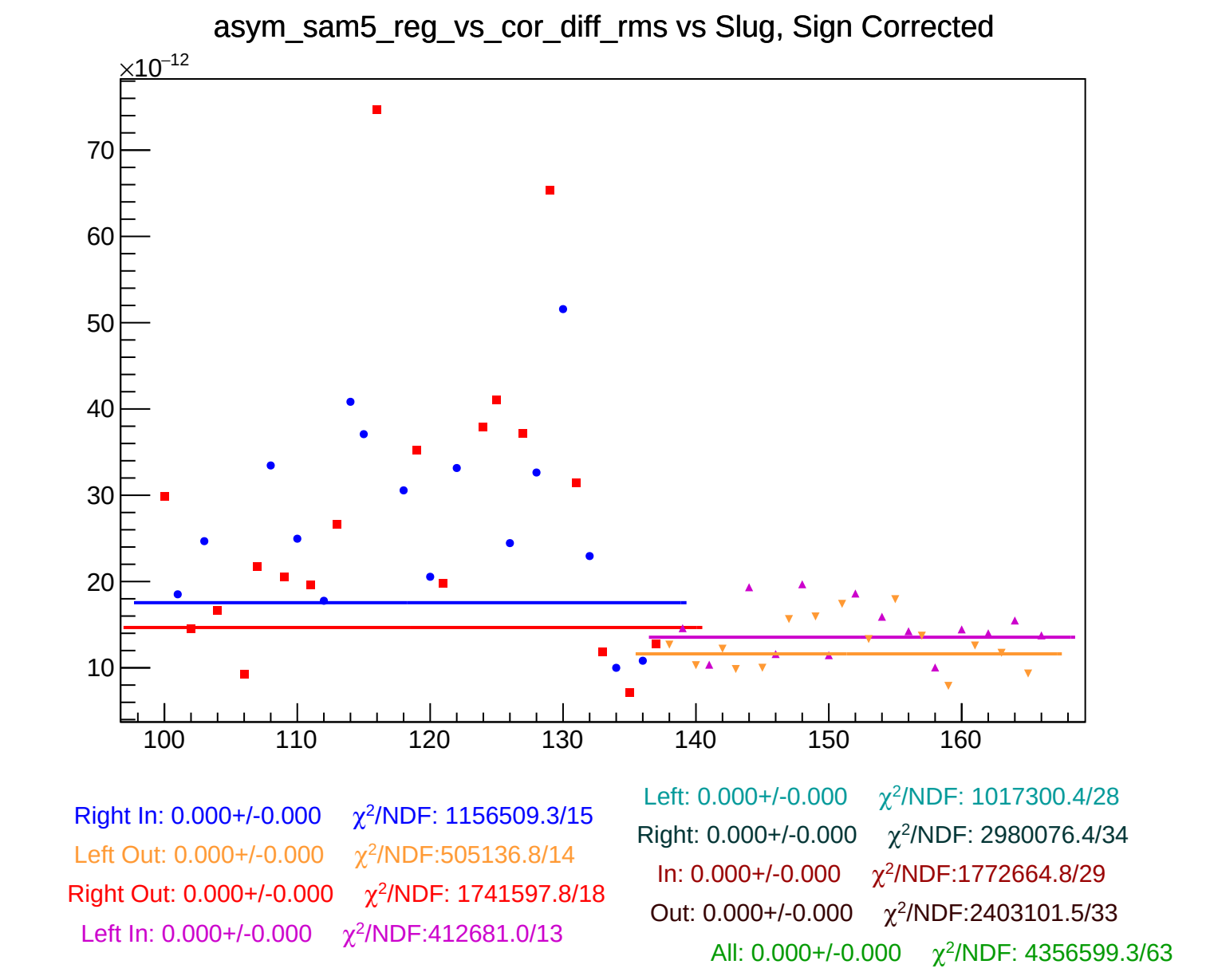
Left: 0.000+/-0.000 χ^2/NDF: 39.1/28

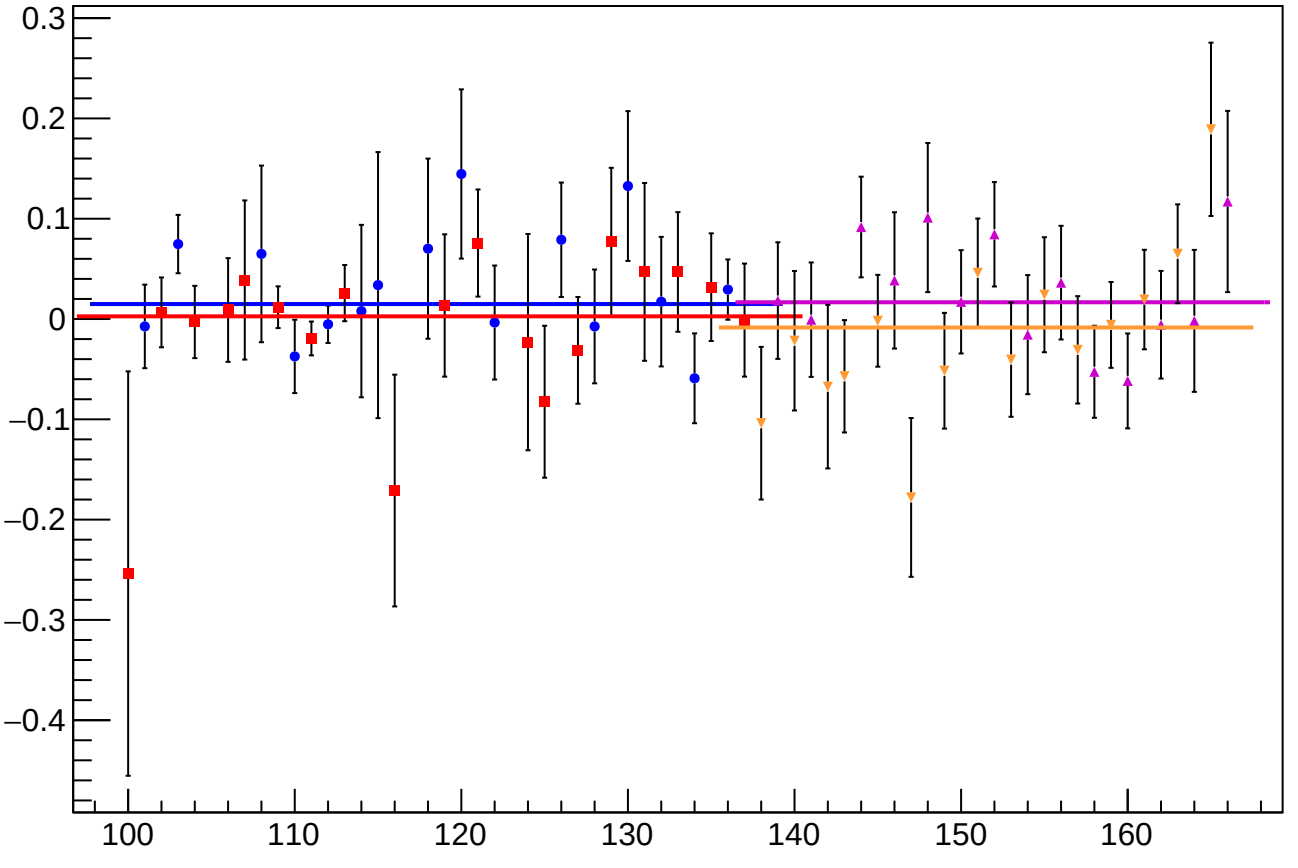
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:38.4/29

Out: 0.000+/-0.000 χ^2/NDF:35.2/33

All: 0.000+/-0.000 χ^2/NDF: 74.5/63


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:505136.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:412681.0/13
Left: 0.000+/-0.000 χ²/NDF: 1017300.4/28
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1772664.8/29
Out: 0.000+/-0.000 χ²/NDF:2403101.5/33
All: 0.000+/-0.000 χ²/NDF: 4356599.3/63



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

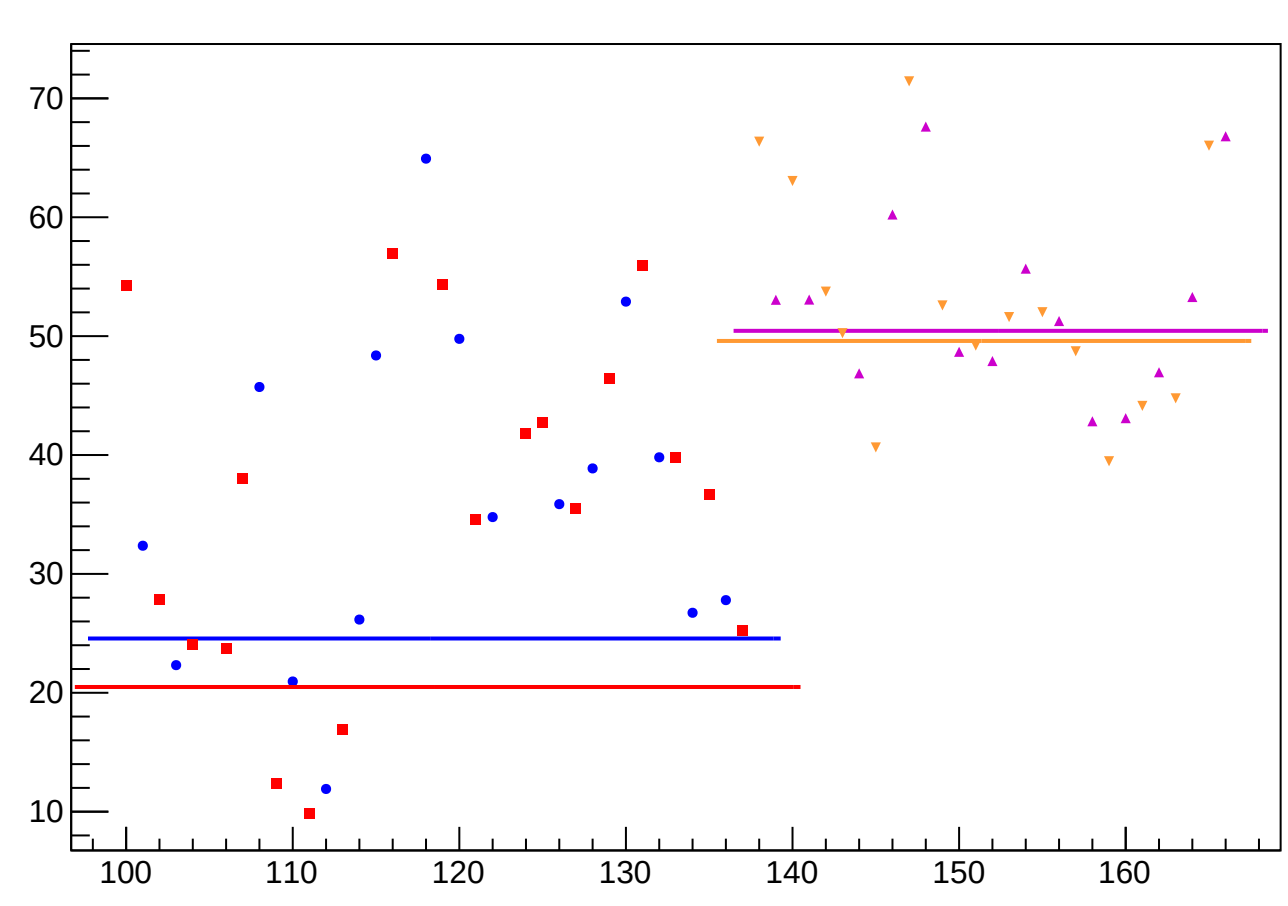
Left: 0.004+/-0.011 χ^2/NDF: 31.4/28

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.007+/-0.006 χ^2/NDF: 62.5/63



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.446+/-0.011 χ^2/NDF:370330.2/13

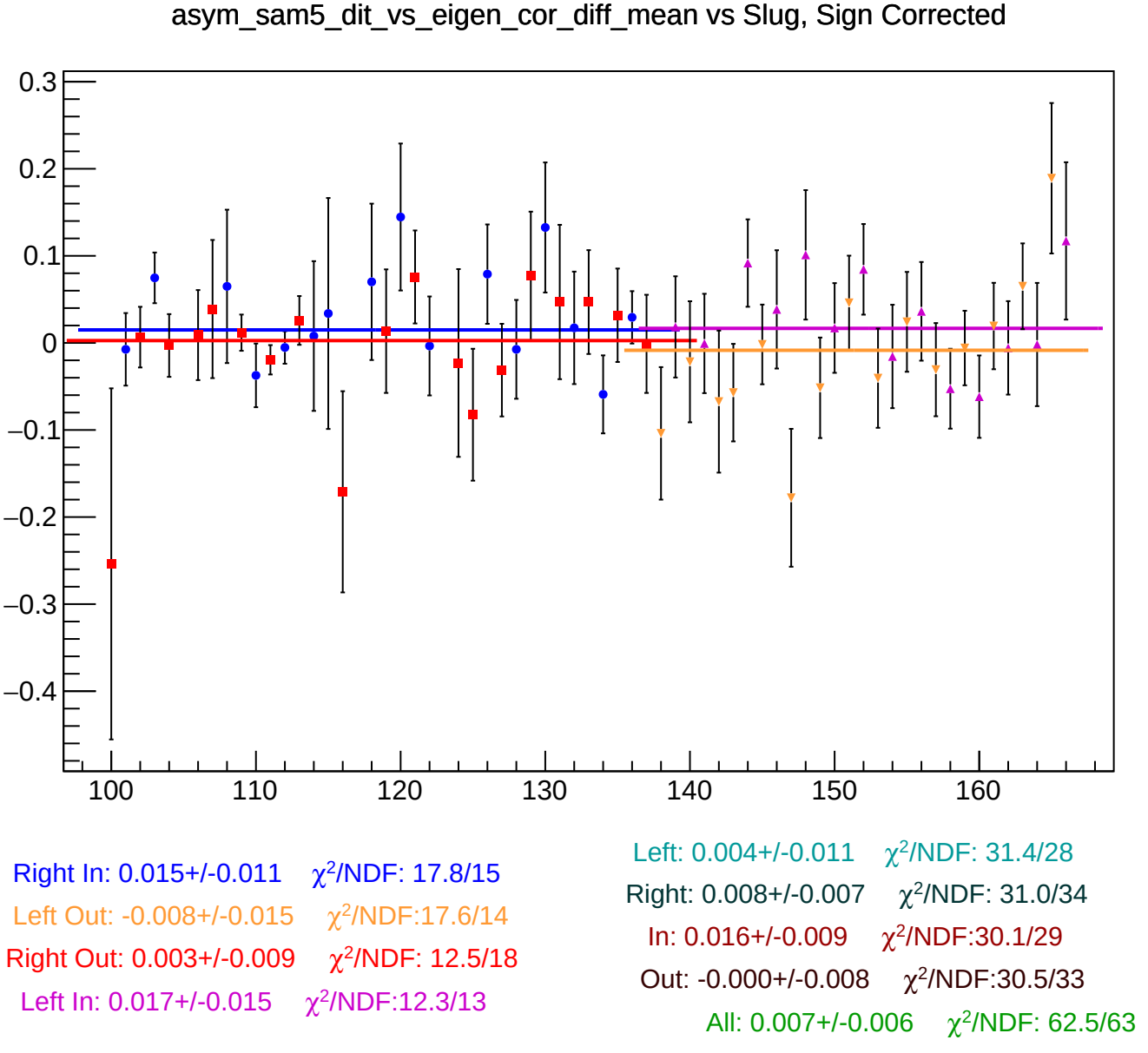
Left: 50.008+/-0.007 χ^2/NDF: 1019235.9/28

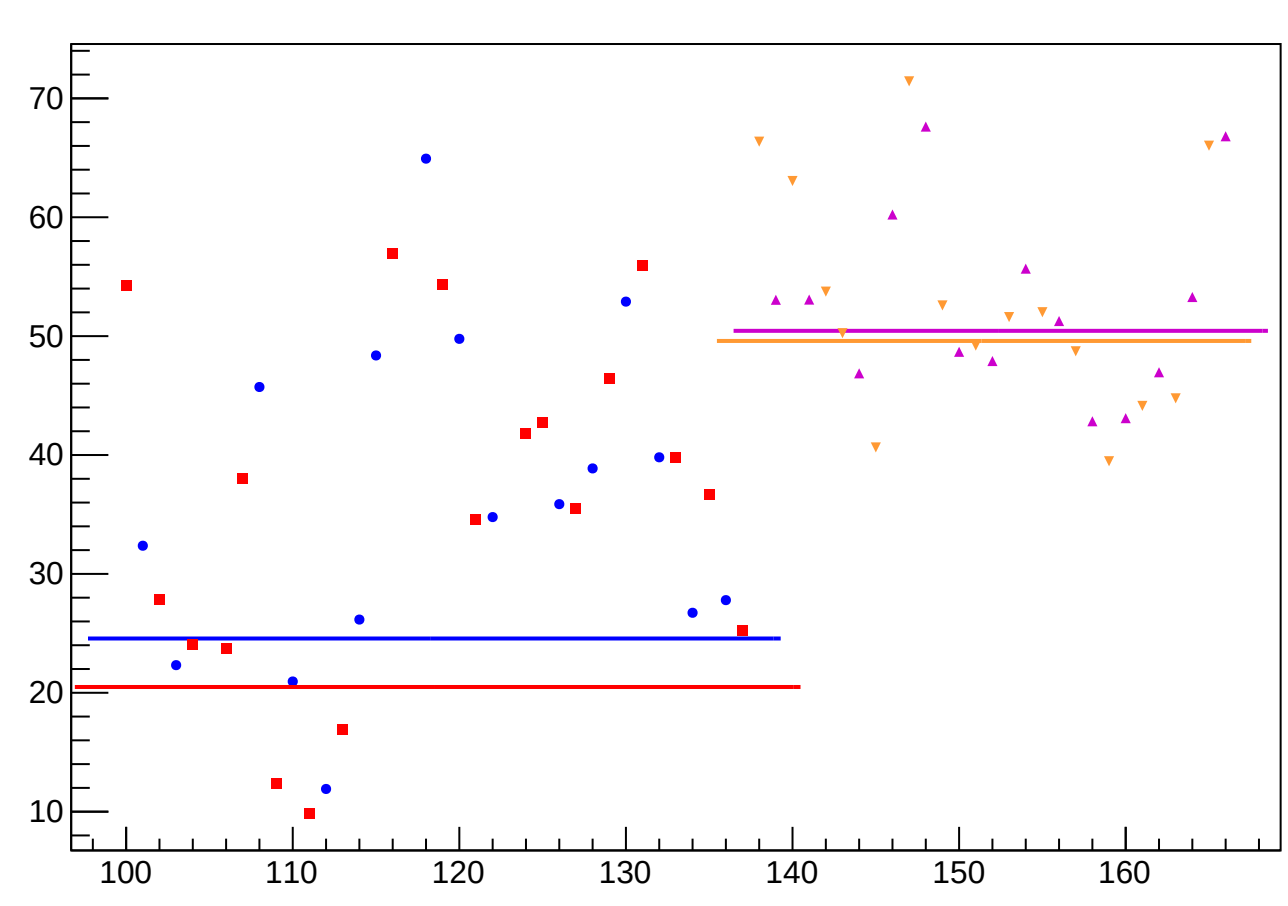
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.022+/-0.006 χ^2/NDF:6759724.5/29

Out: 28.660+/-0.006 χ^2/NDF:9818304.9/33

All: 30.614+/-0.004 χ^2/NDF: 16856535.7/63


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.008+/-0.015 χ²/NDF:17.6/14
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.017+/-0.015 χ²/NDF:12.3/13
Left: 0.004+/-0.011 χ²/NDF: 31.4/28
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.016+/-0.009 χ²/NDF:30.1/29
Out: -0.000+/-0.008 χ²/NDF:30.5/33
All: 0.007+/-0.006 χ²/NDF: 62.5/63



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.446+/-0.011 χ^2/NDF:370330.2/13

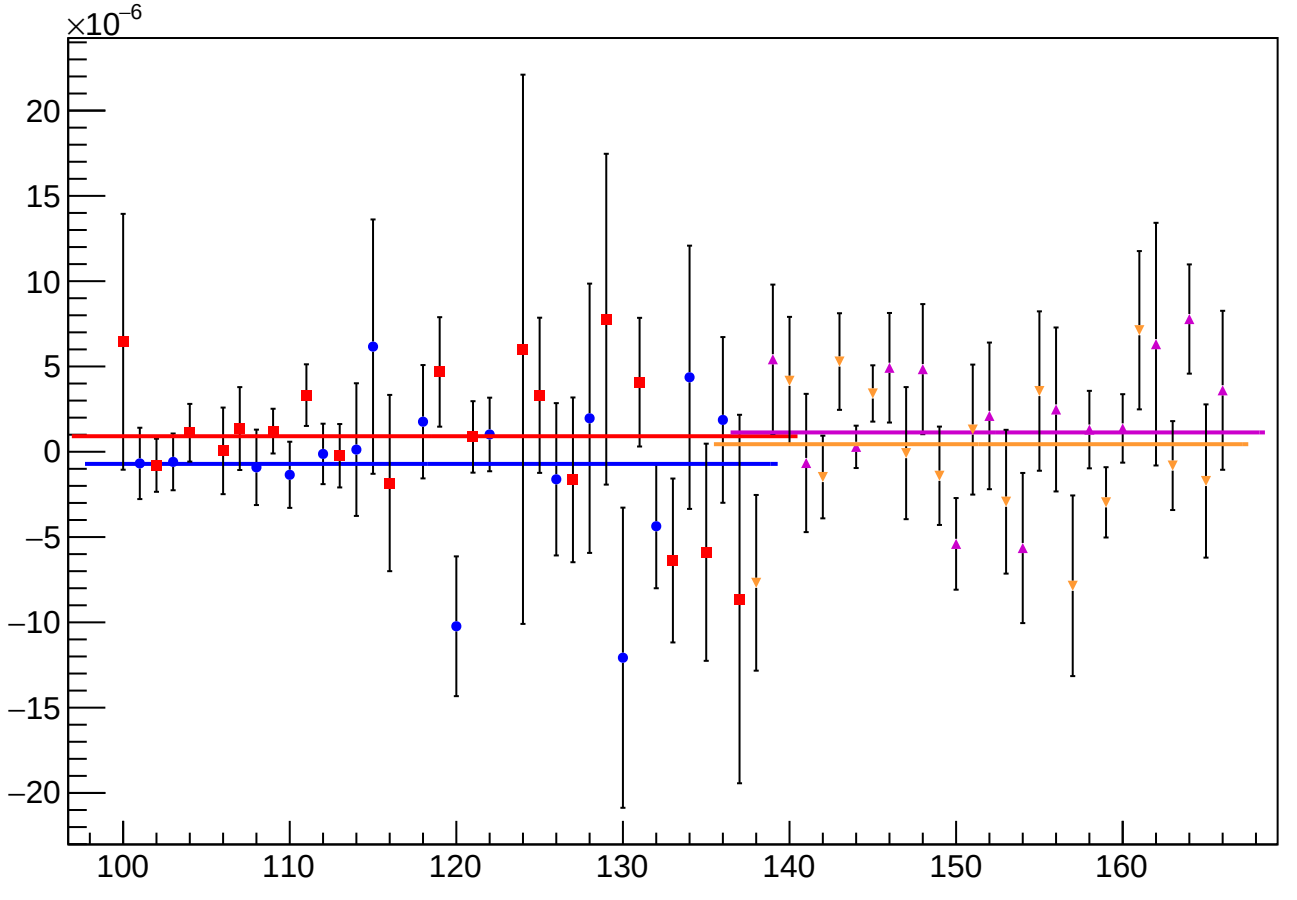
Left: 50.008+/-0.007 χ^2/NDF: 1019235.9/28

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.022+/-0.006 χ^2/NDF:6759724.5/29

Out: 28.660+/-0.006 χ^2/NDF:9818304.9/33

All: 30.614+/-0.004 χ^2/NDF: 16856535.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/13

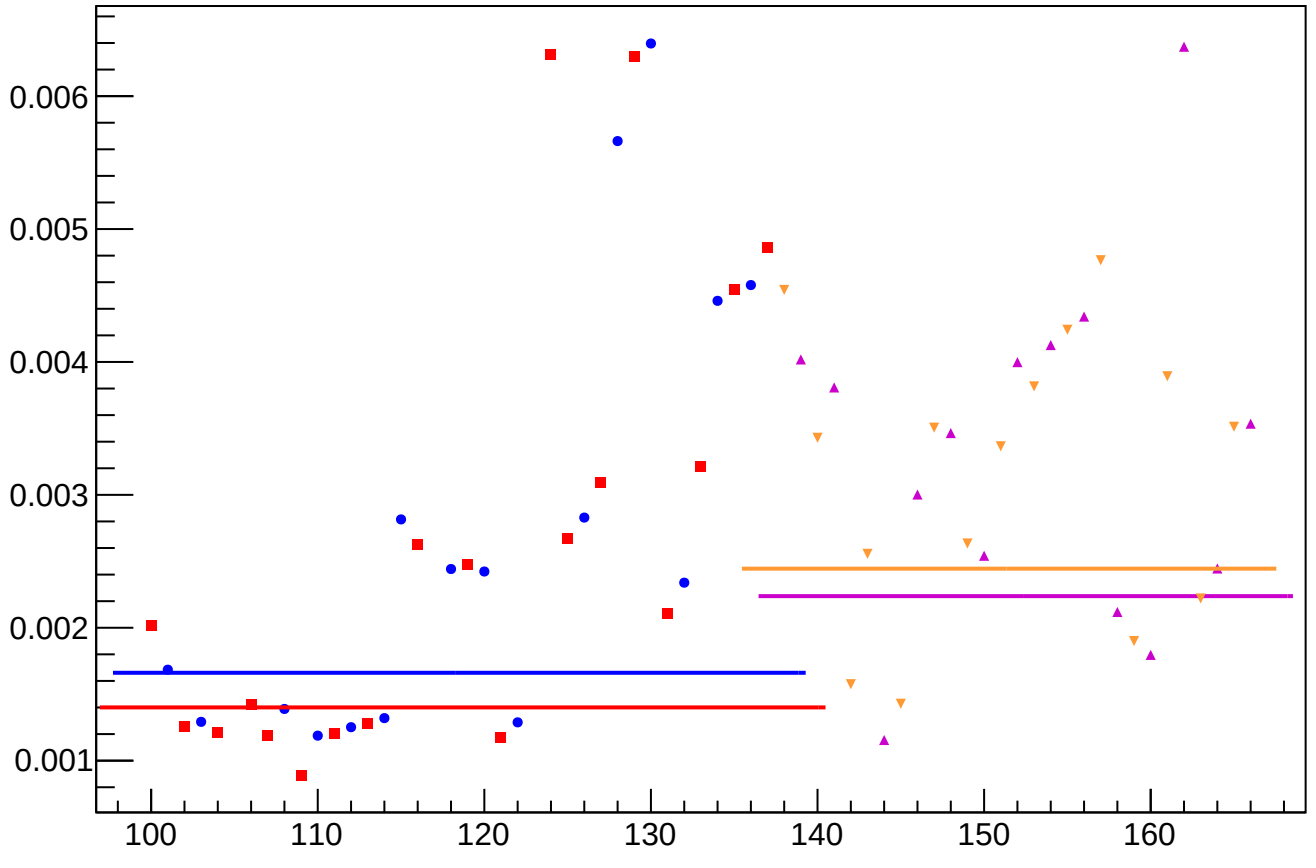
Left: 0.000+/-0.000 χ^2/NDF: 37.5/28

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:32.1/29

Out: 0.000+/-0.000 χ^2/NDF:31.7/33

All: 0.000+/-0.000 χ^2/NDF: 64.4/63



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3119044.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4526248.2/13

Left: 0.002+/-0.000 χ^2/NDF: 7719125.5/28

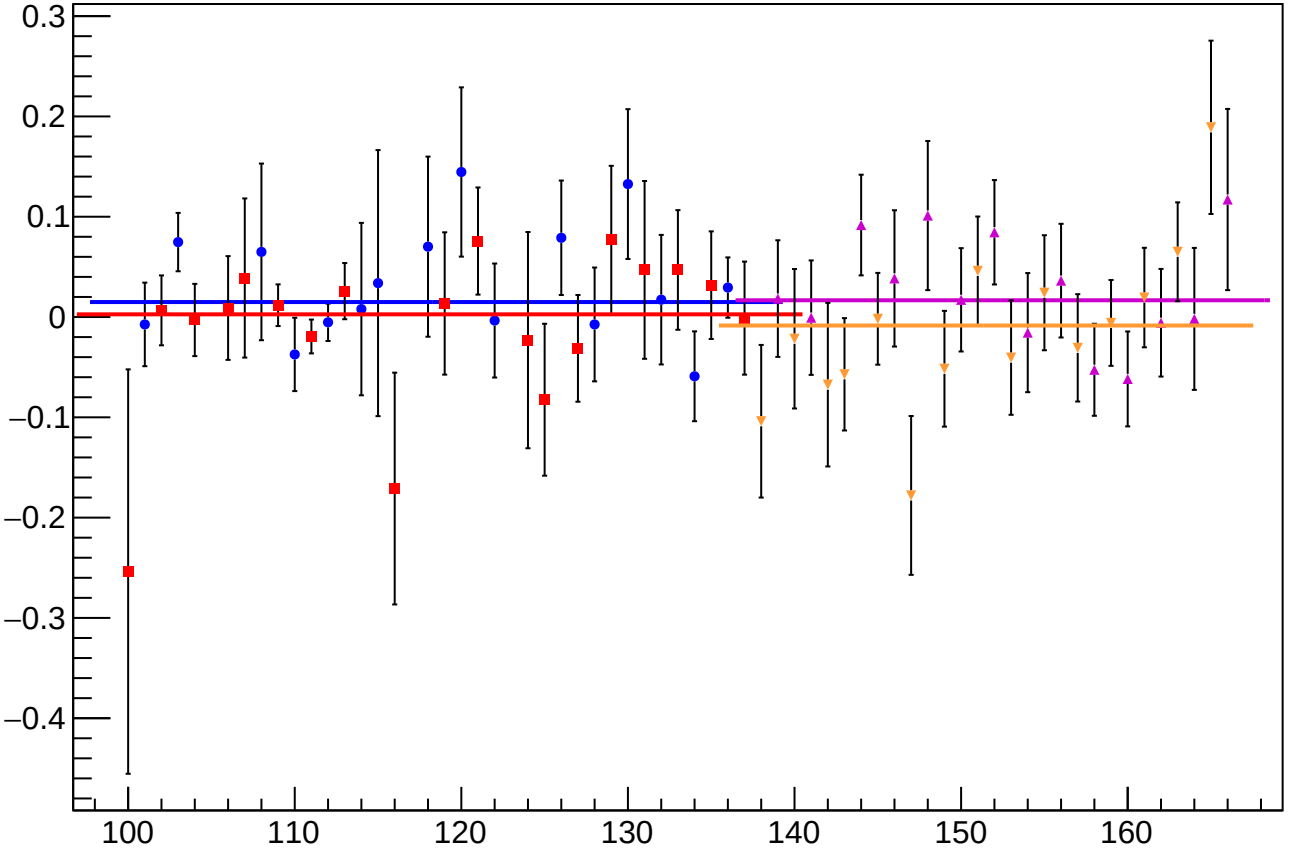
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8108717.6/29

Out: 0.002+/-0.000 χ^2/NDF:8320933.8/33

All: 0.002+/-0.000 χ^2/NDF: 16529252.4/63

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

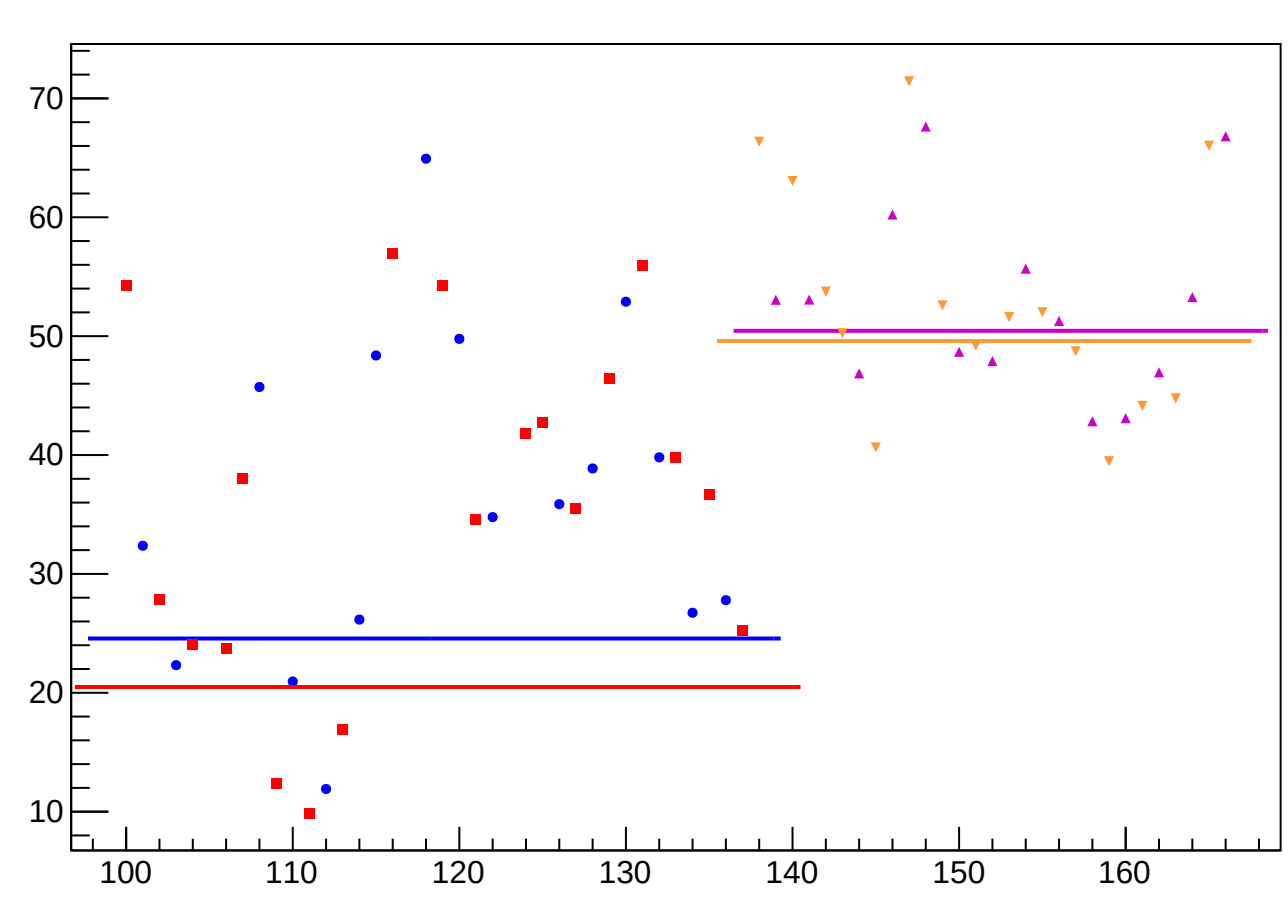
Left: 0.004+/-0.011 χ^2/NDF: 31.4/28

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.007+/-0.006 χ^2/NDF: 62.5/63



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645817.8/14

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.446+/-0.011 χ^2/NDF:370428.9/13

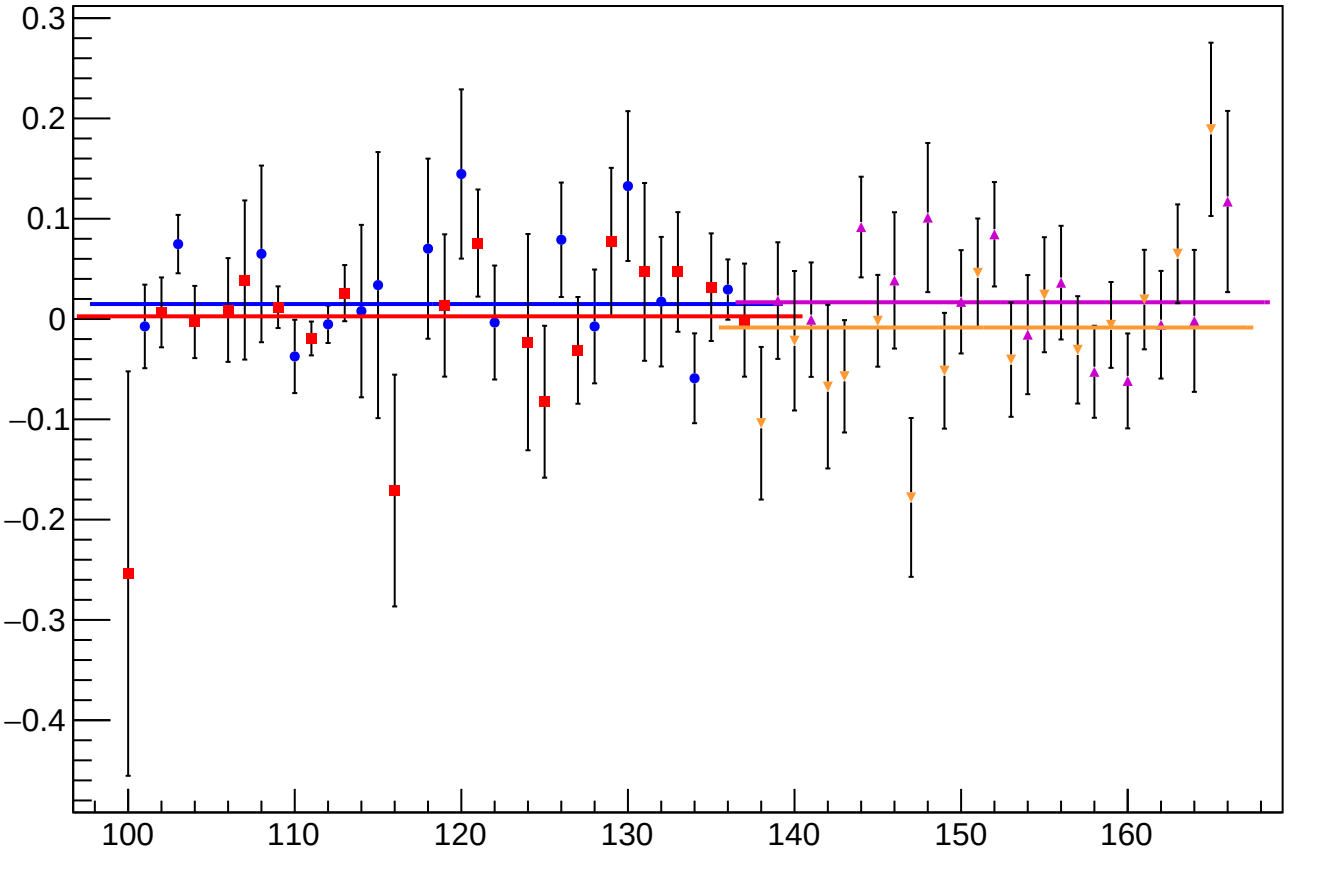
Left: 50.008+/-0.007 χ^2/NDF: 1019471.4/28

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.022+/-0.006 χ^2/NDF:6759907.3/29

Out: 28.659+/-0.006 χ^2/NDF:9818644.4/33

All: 30.613+/-0.004 χ^2/NDF: 16857072.9/63



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.017+/-0.015 χ^2/NDF:12.3/13

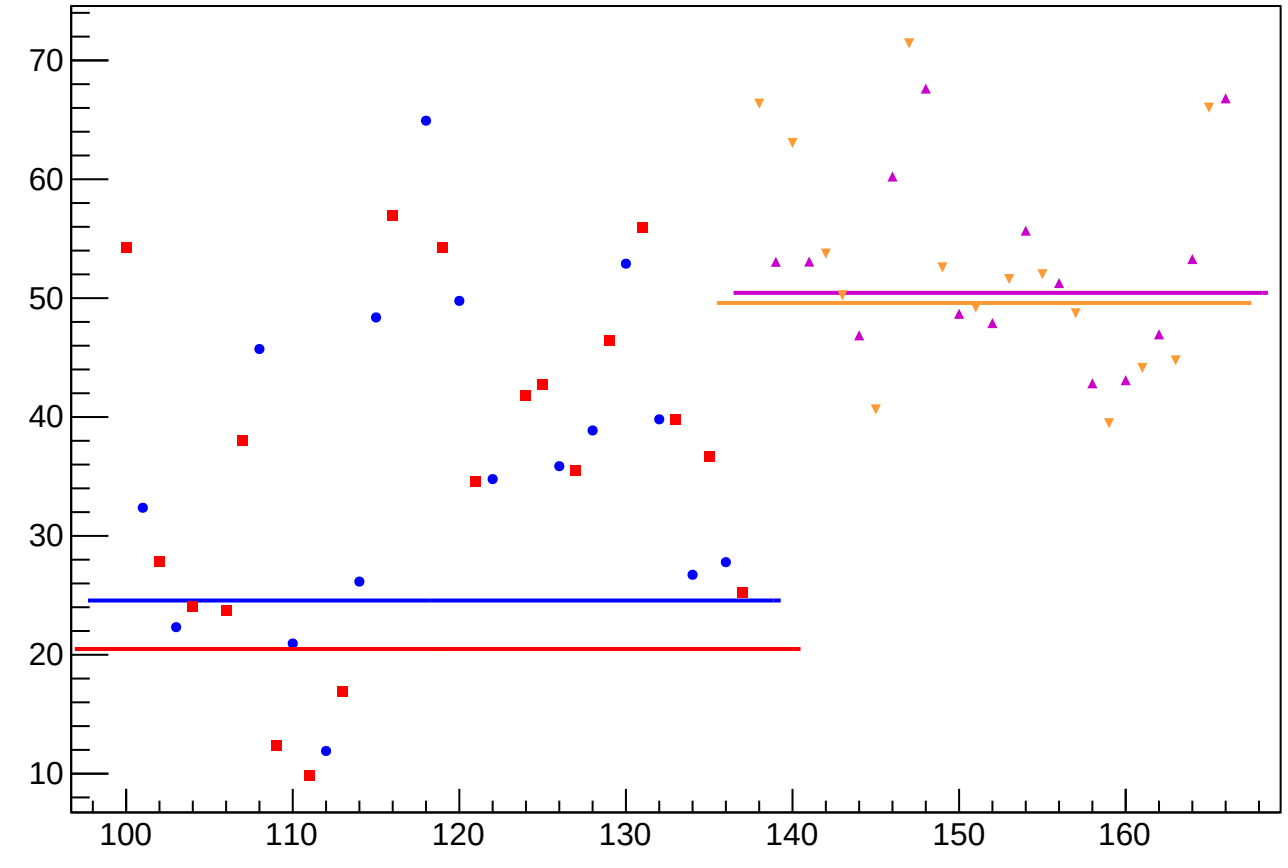
Left: 0.004+/-0.011 χ^2/NDF: 31.4/28

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.016+/-0.009 χ^2/NDF:30.1/29

Out: -0.000+/-0.008 χ^2/NDF:30.5/33

All: 0.007+/-0.006 χ^2/NDF: 62.5/63



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645817.8/14

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.446+/-0.011 χ^2/NDF:370428.9/13

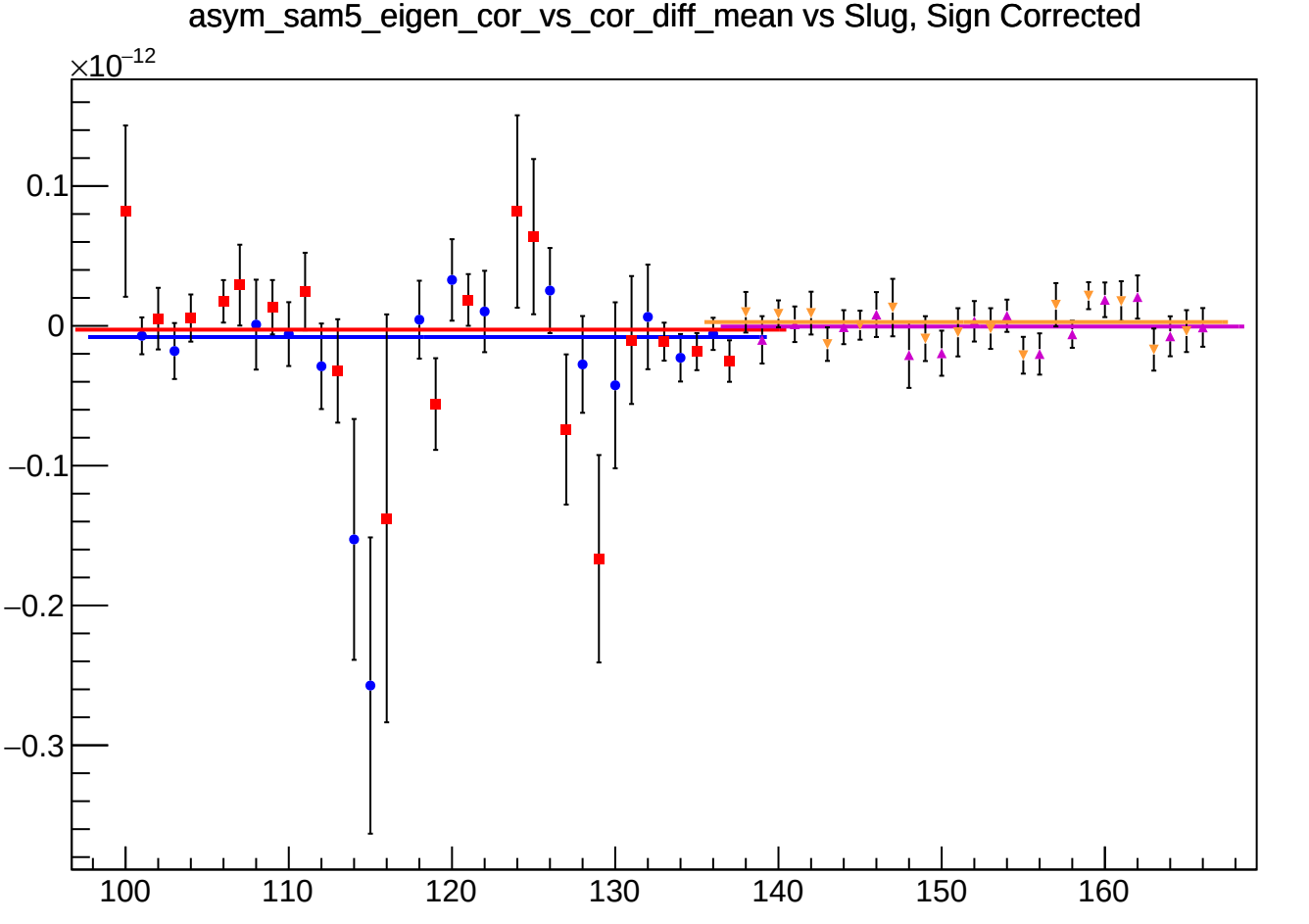
Left: 50.008+/-0.007 χ^2/NDF: 1019471.4/28

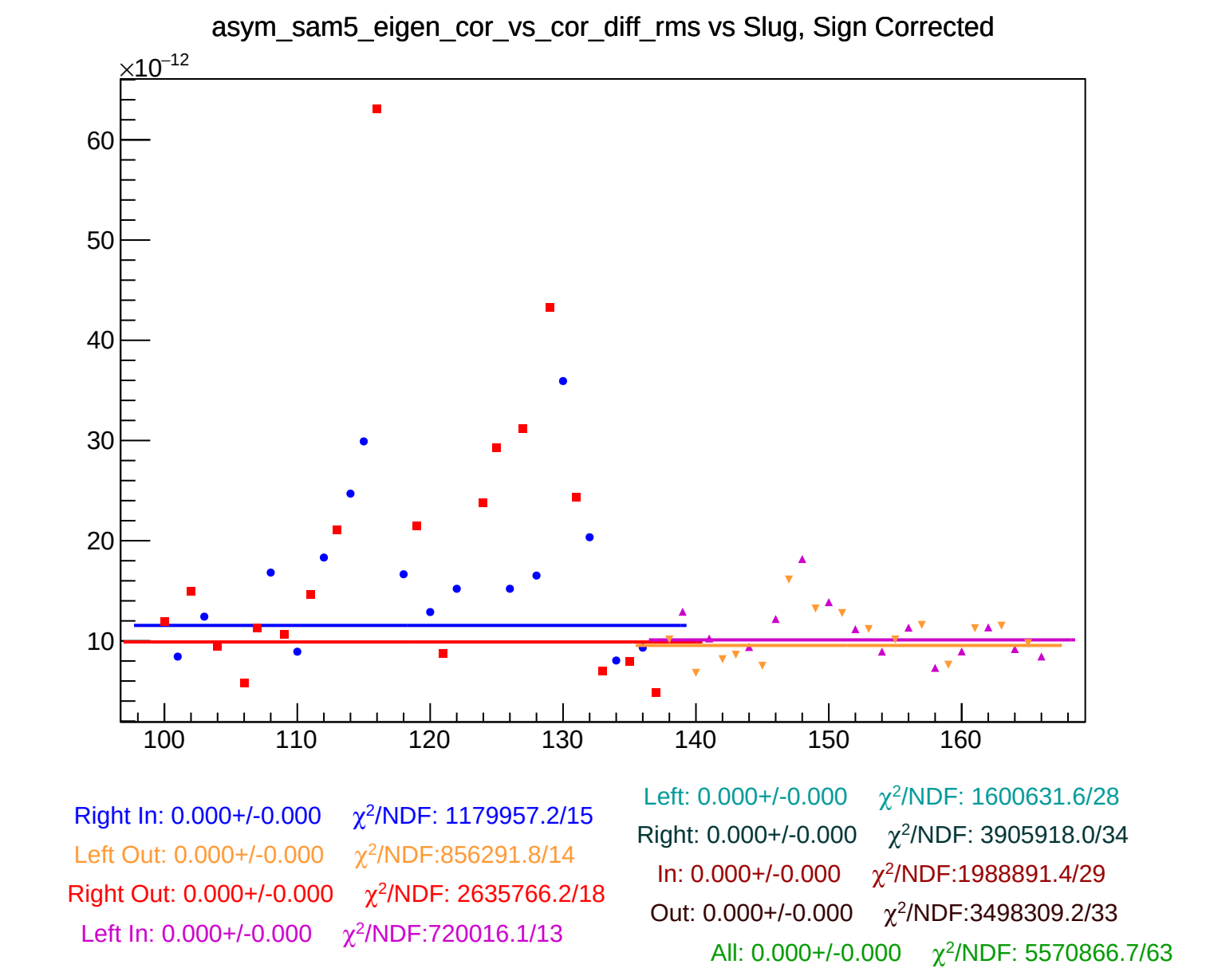
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.022+/-0.006 χ^2/NDF:6759907.3/29

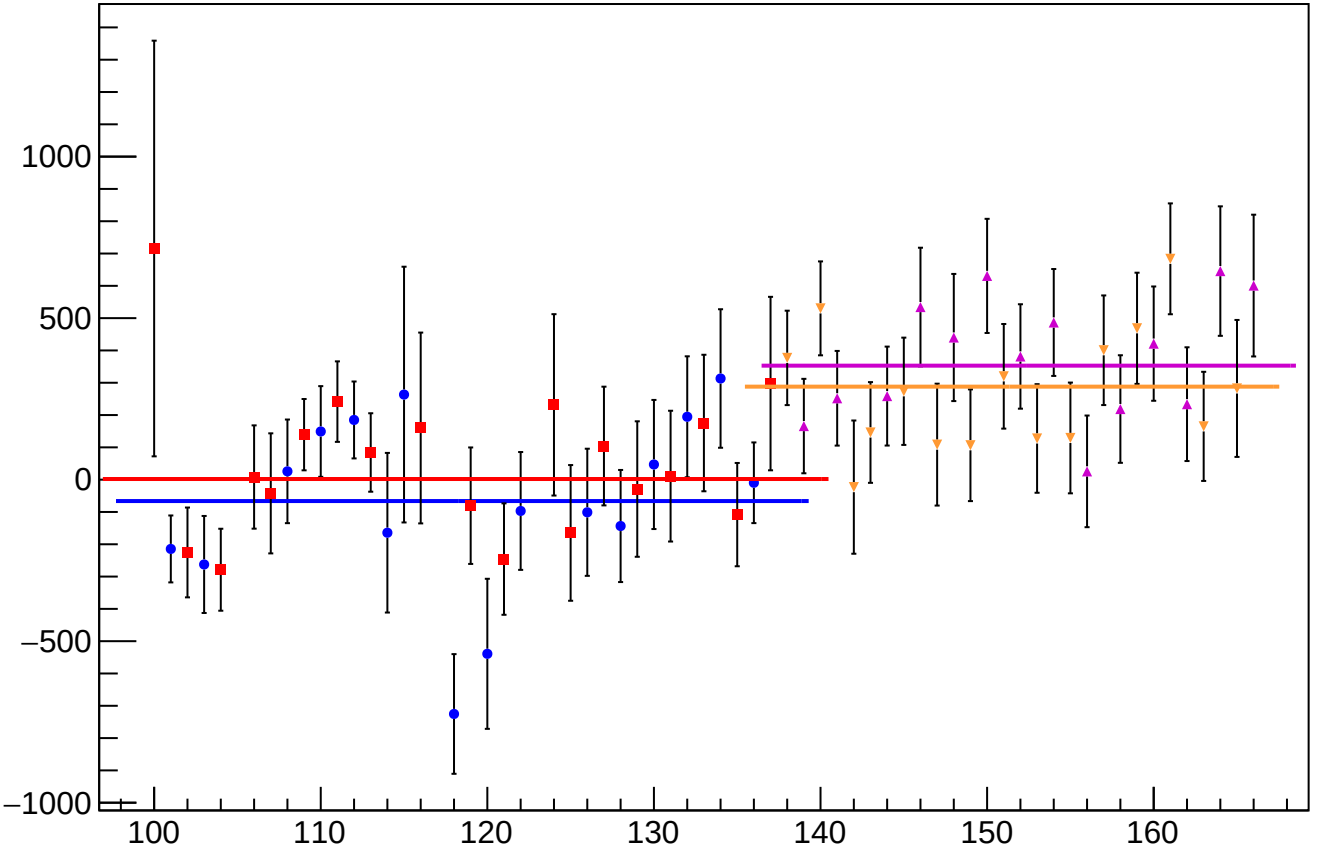
Out: 28.659+/-0.006 χ^2/NDF:9818644.4/33

All: 30.613+/-0.004 χ^2/NDF: 16857072.9/63


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.5/15
Left Out: 0.000+/-0.000 χ²/NDF:14.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 26.1/18
Left In: -0.000+/-0.000 χ²/NDF:9.9/13
Left: 0.000+/-0.000 χ²/NDF: 24.7/28
Right: -0.000+/-0.000 χ²/NDF: 41.1/34
In: -0.000+/-0.000 χ²/NDF:25.6/29
Out: 0.000+/-0.000 χ²/NDF:41.2/33
All: -0.000+/-0.000 χ²/NDF: 67.6/63


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:856291.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:720016.1/13
Left: 0.000+/-0.000 χ²/NDF: 1600631.6/28
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1988891.4/29
Out: 0.000+/-0.000 χ²/NDF:3498309.2/33
All: 0.000+/-0.000 χ²/NDF: 5570866.7/63

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.953+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 352.917+/-45.752 χ^2/NDF:15.1/13

Left: 318.936+/-31.596 χ^2/NDF: 33.6/28

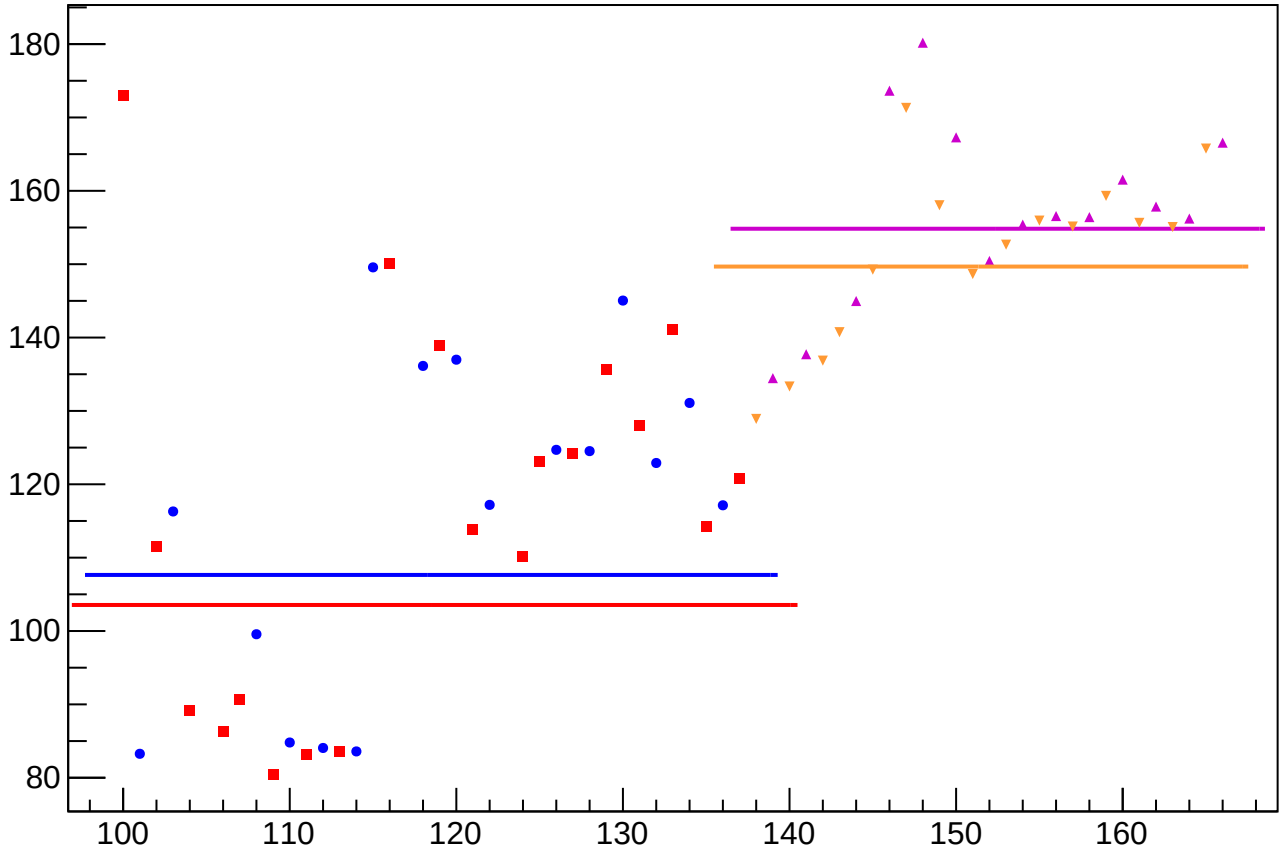
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 120.133+/-30.508 χ^2/NDF:96.1/29

Out: 128.343+/-29.038 χ^2/NDF:62.5/33

All: 124.441+/-21.033 χ^2/NDF: 158.6/63

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

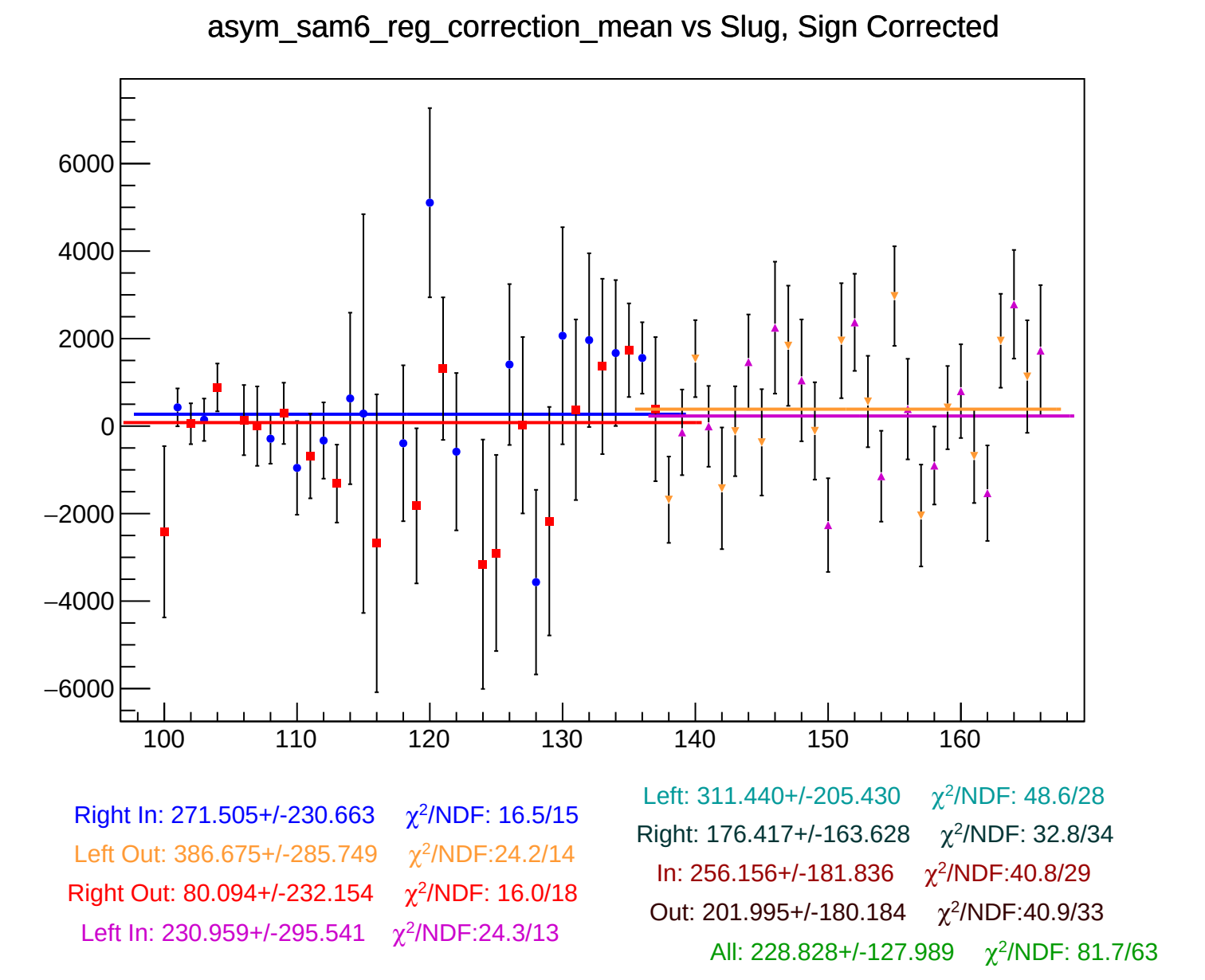
Left: 152.136+/-0.022 χ^2/NDF: 301571.5/28

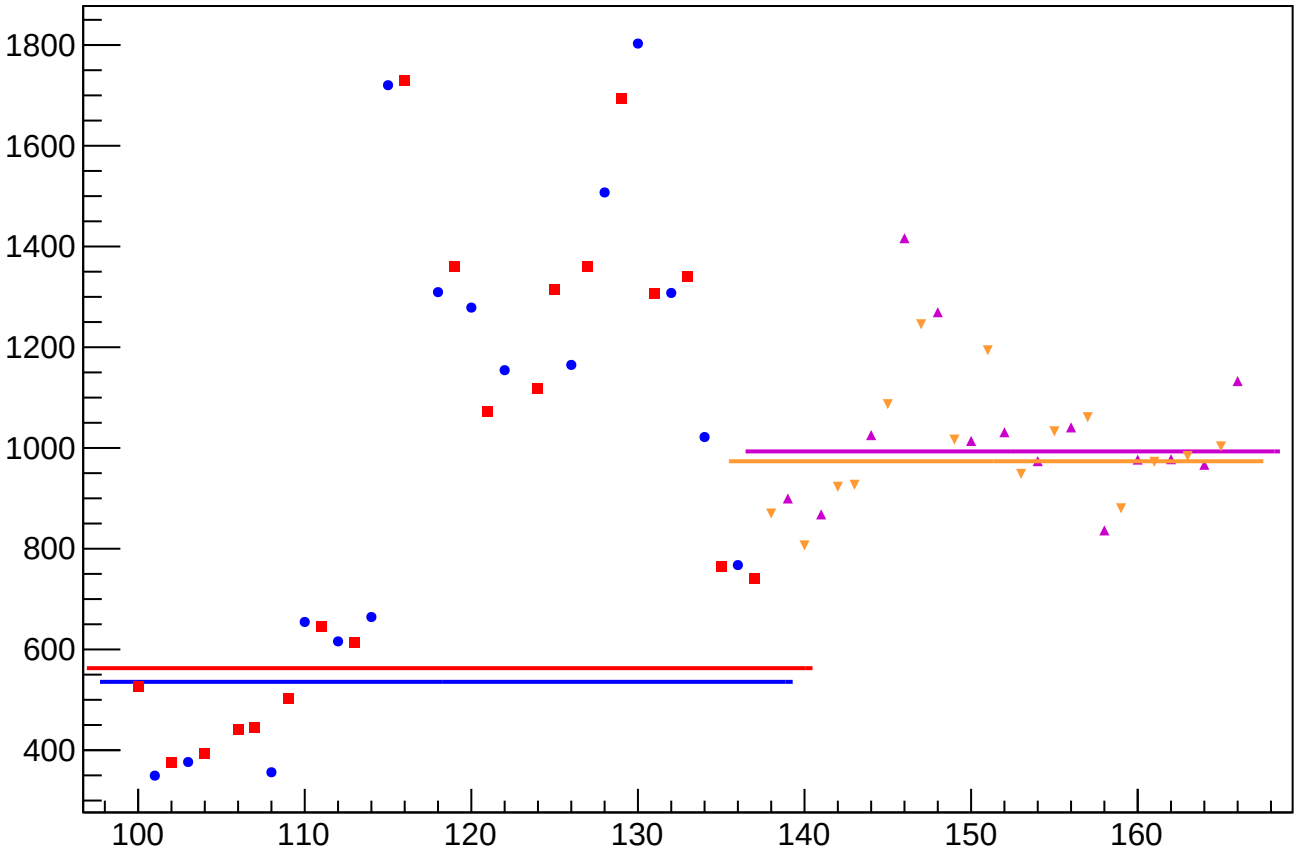
Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 128.625+/-0.022 χ^2/NDF:1864041.9/29

Out: 123.928+/-0.021 χ^2/NDF:2000535.9/33

All: 126.161+/-0.015 χ^2/NDF: 3889450.5/63


asym_sam6_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 271.505+/-230.663 χ²/NDF: 16.5/15
Left Out: 386.675+/-285.749 χ²/NDF:24.2/14
Right Out: 80.094+/-232.154 χ²/NDF: 16.0/18
Left In: 230.959+/-295.541 χ²/NDF:24.3/13
Left: 311.440+/-205.430 χ²/NDF: 48.6/28
Right: 176.417+/-163.628 χ²/NDF: 32.8/34
In: 256.156+/-181.836 χ²/NDF:40.8/29
Out: 201.995+/-180.184 χ²/NDF:40.9/33
All: 228.828+/-127.989 χ²/NDF: 81.7/63



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 973.641+/-0.202 χ^2/NDF:294401.8/14

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 993.163+/-0.209 χ^2/NDF:381367.9/13

Left: 983.073+/-0.145 χ^2/NDF: 680280.0/28

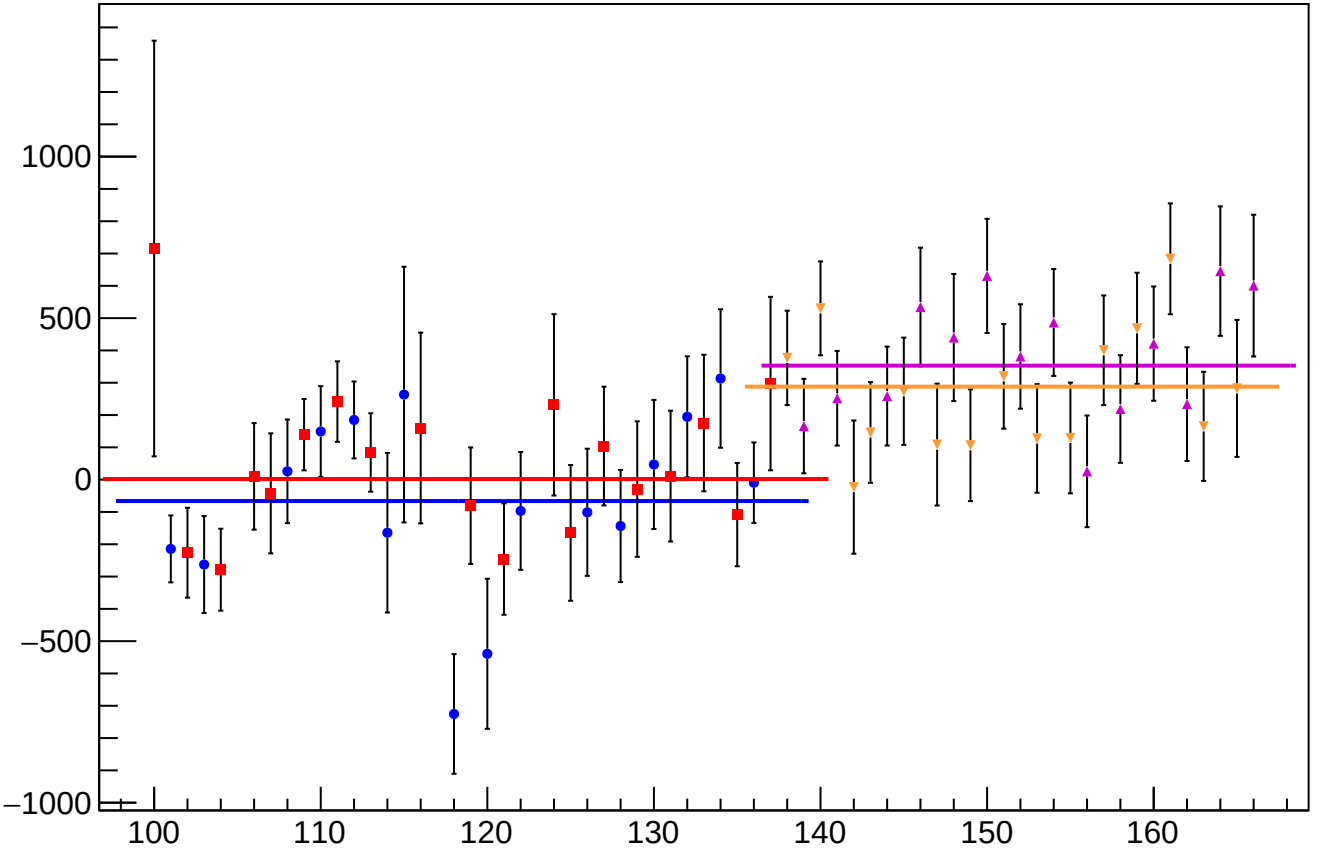
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 708.863+/-0.129 χ^2/NDF:6991894.0/29

Out: 726.182+/-0.127 χ^2/NDF:5895371.8/33

All: 717.601+/-0.091 χ^2/NDF: 12896420.9/63

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 352.920+/-45.752 χ^2/NDF:15.1/13

Left: 318.935+/-31.597 χ^2/NDF: 33.6/28

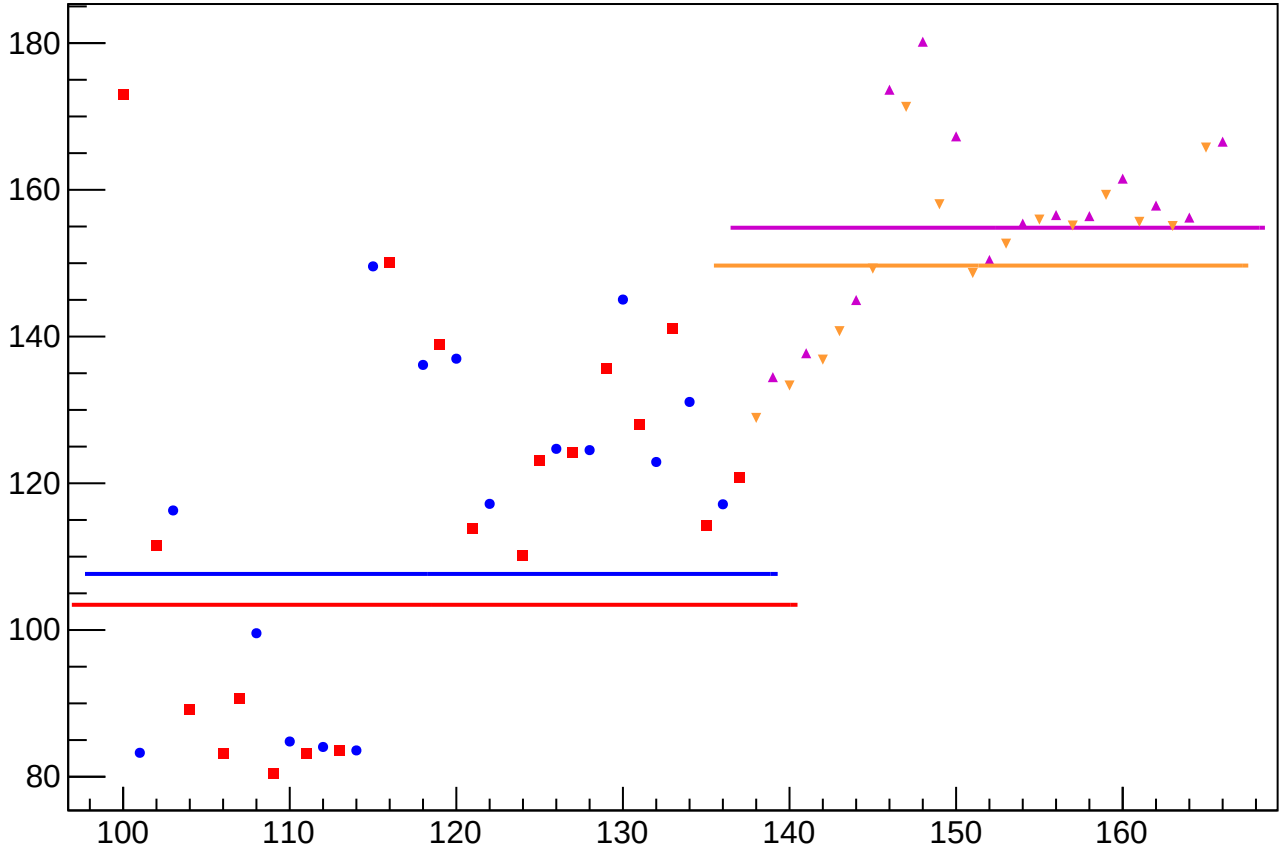
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 120.120+/-30.508 χ^2/NDF:96.1/29

Out: 128.621+/-29.067 χ^2/NDF:62.5/33

All: 124.576+/-21.045 χ^2/NDF: 158.6/63

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

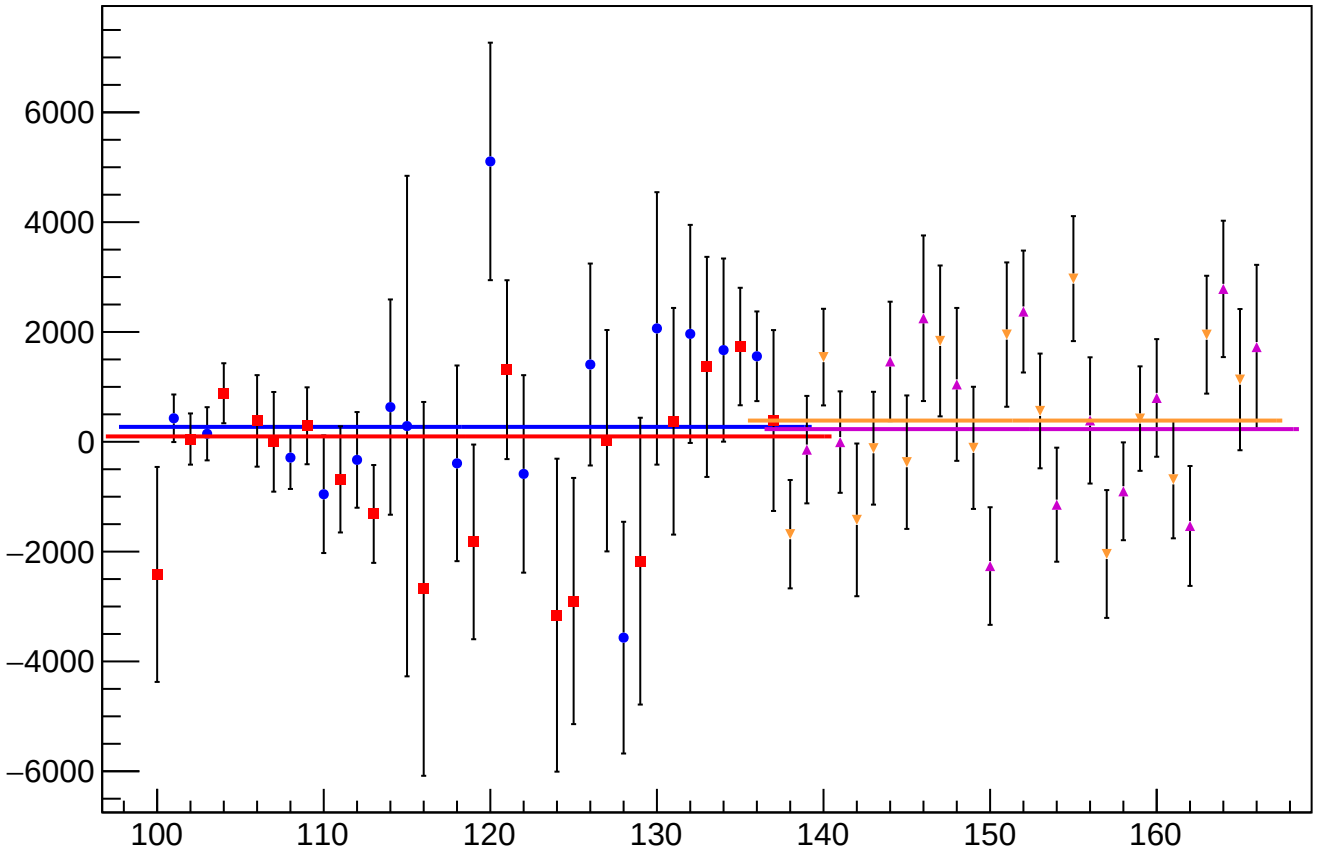
Left: 152.136+/-0.022 χ^2/NDF: 301571.5/28

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 128.625+/-0.022 χ^2/NDF:1864040.1/29

Out: 123.907+/-0.021 χ^2/NDF:2012002.1/33

All: 126.152+/-0.015 χ^2/NDF: 3901118.6/63



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 230.957+/-295.541 χ^2/NDF:24.3/13

Left: 311.440+/-205.430 χ^2/NDF: 48.6/28

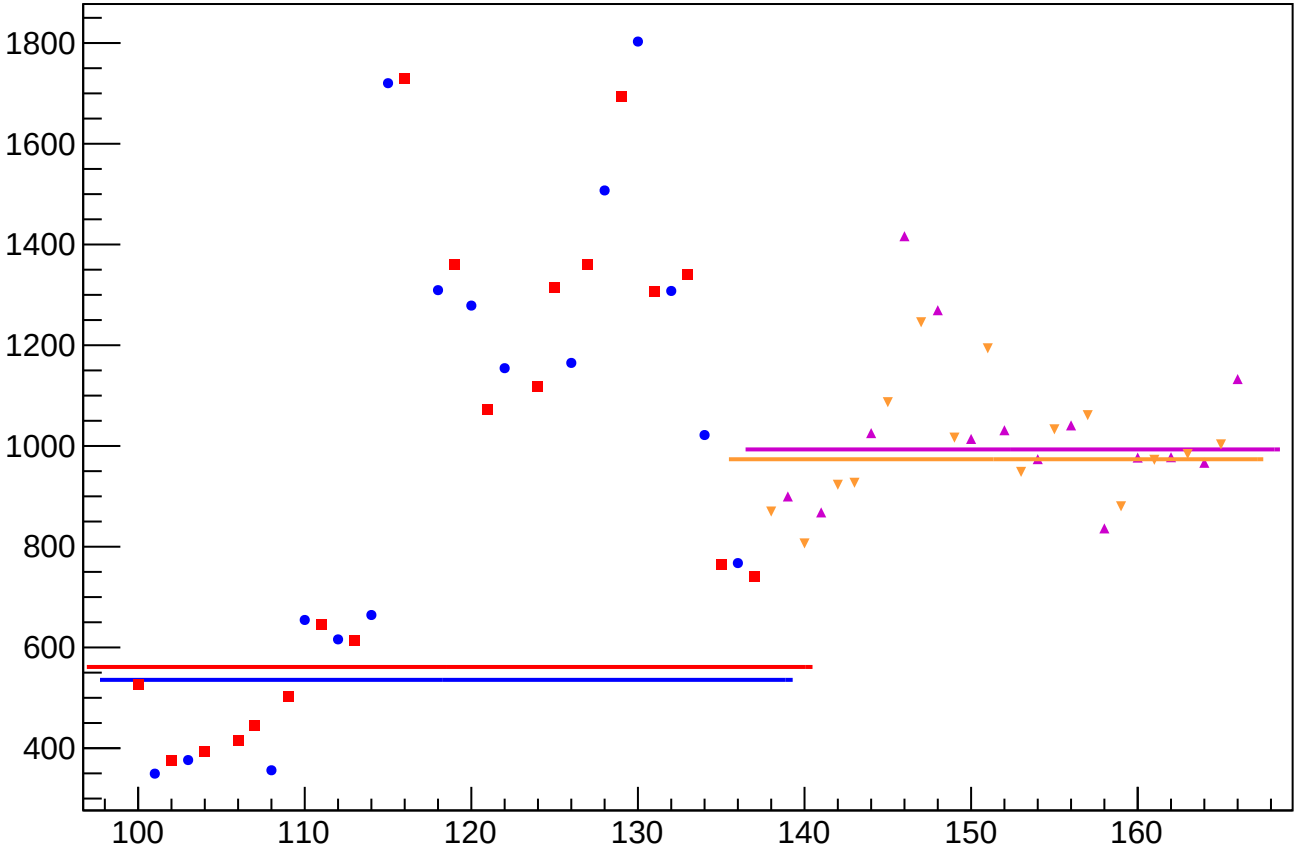
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 256.243+/-181.833 χ^2/NDF:40.8/29

Out: 213.063+/-180.476 χ^2/NDF:40.9/33

All: 234.491+/-128.093 χ^2/NDF: 81.7/63

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 993.164+/-0.209 χ^2/NDF:381366.6/13

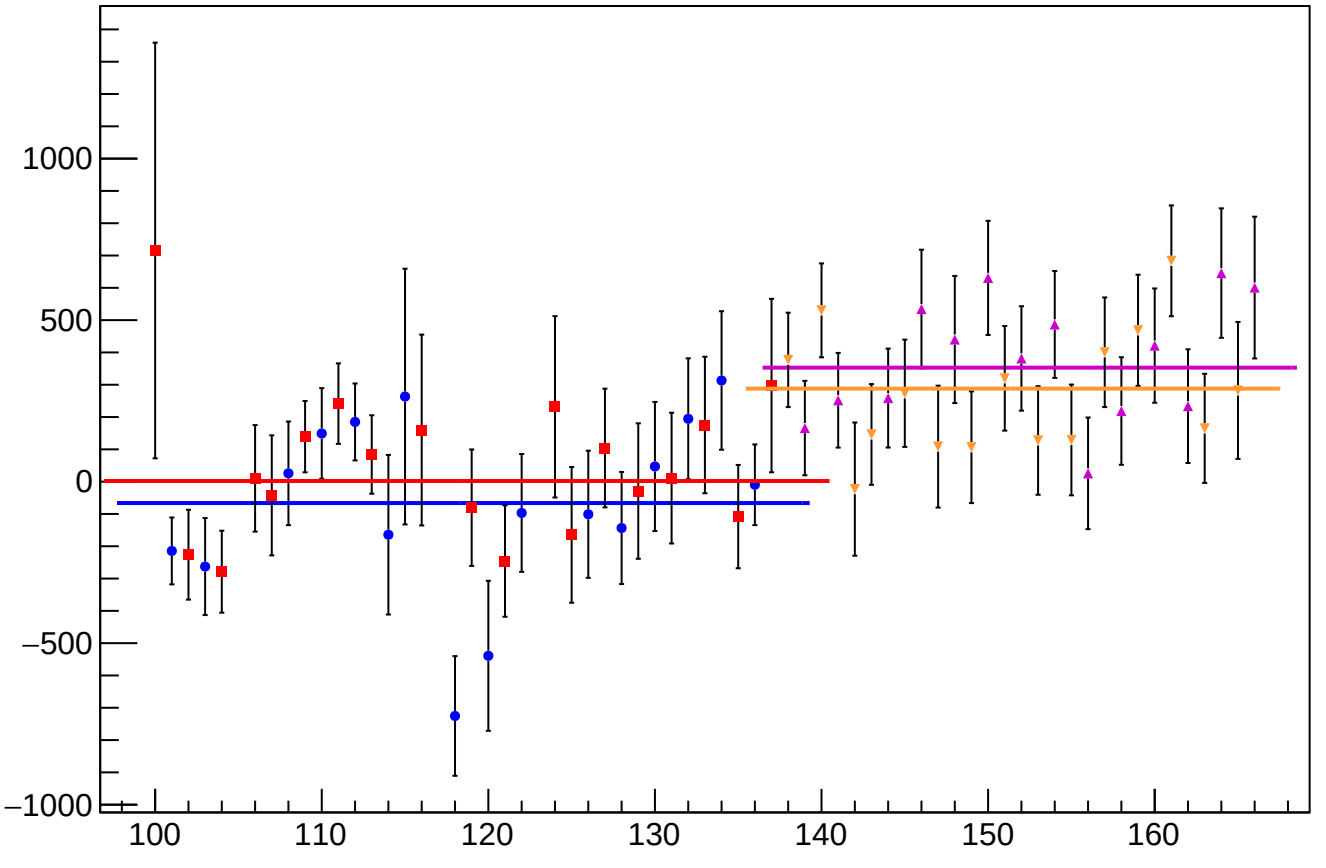
Left: 983.074+/-0.145 χ^2/NDF: 680279.1/28

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 708.843+/-0.129 χ^2/NDF:6992449.2/29

Out: 725.766+/-0.128 χ^2/NDF:5928855.8/33

All: 717.368+/-0.091 χ^2/NDF: 12930032.3/63



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 352.920+/-45.752 χ^2/NDF:15.1/13

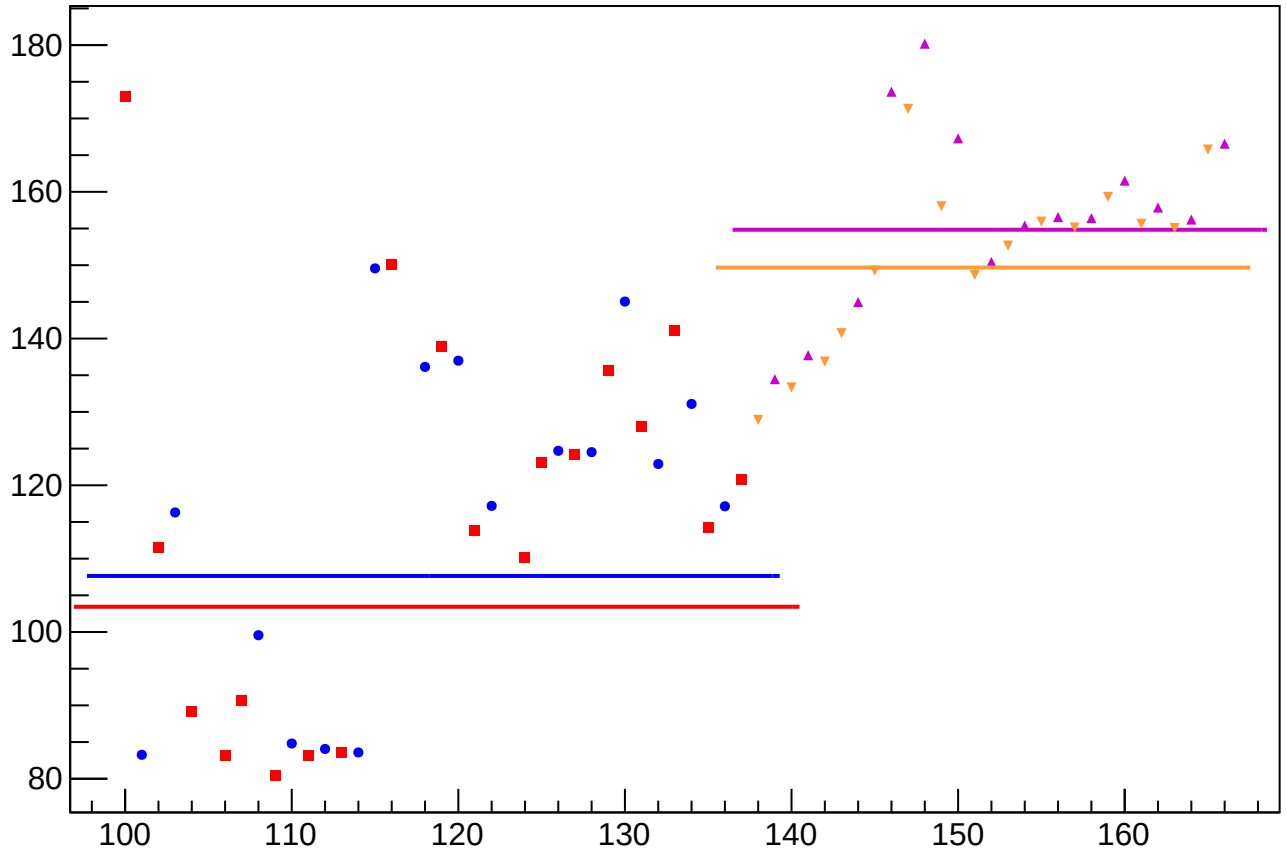
Left: 318.935+/-31.597 χ^2/NDF: 33.6/28

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 120.120+/-30.508 χ^2/NDF:96.1/29

Out: 128.621+/-29.067 χ^2/NDF:62.5/33

All: 124.576+/-21.045 χ^2/NDF: 158.6/63



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.833+/-0.032 χ^2/NDF:149635.6/13

Left: 152.136+/-0.022 χ^2/NDF: 301571.5/28

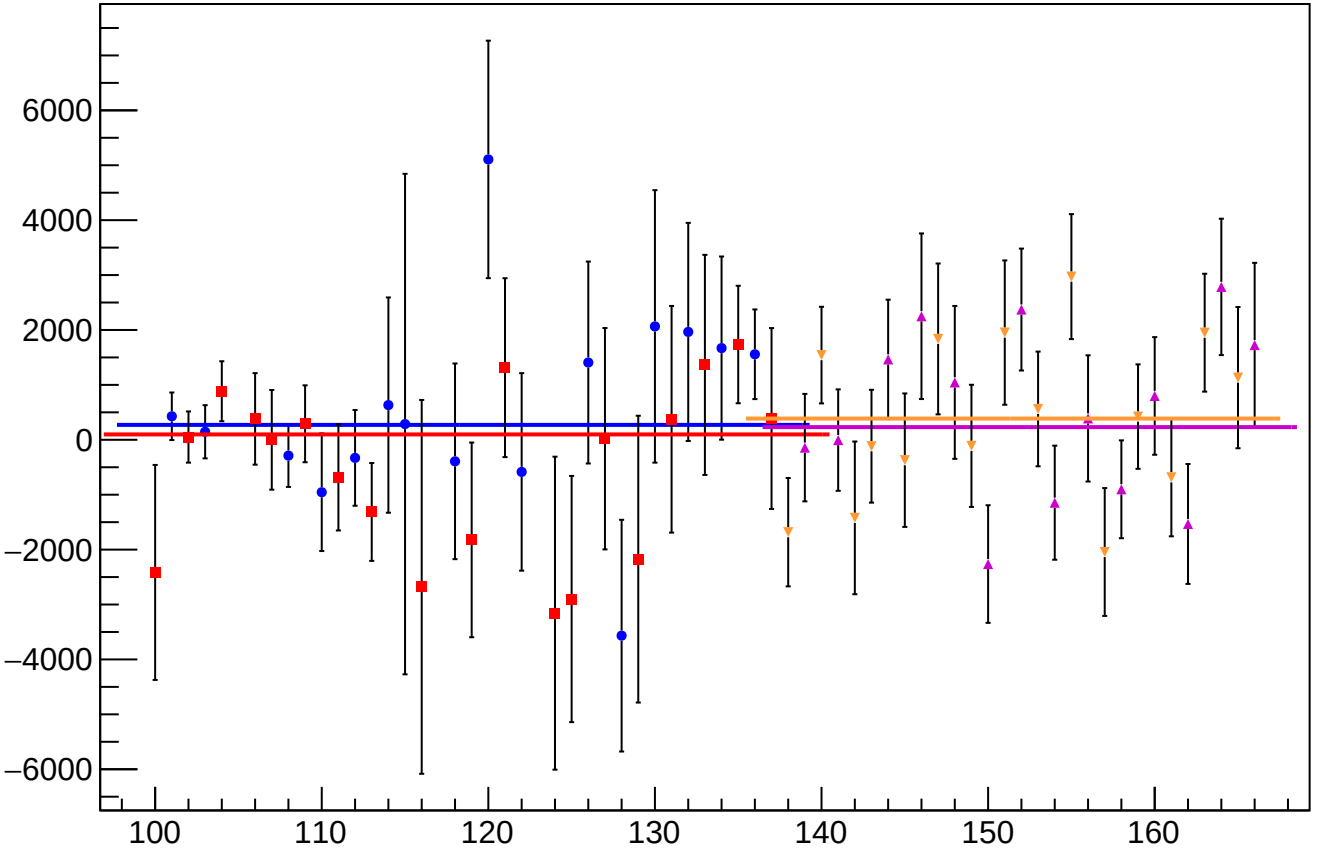
Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 128.625+/-0.022 χ^2/NDF:1864040.1/29

Out: 123.907+/-0.021 χ^2/NDF:2012002.1/33

All: 126.152+/-0.015 χ^2/NDF: 3901118.6/63

asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 230.957+/-295.541 χ^2/NDF:24.3/13

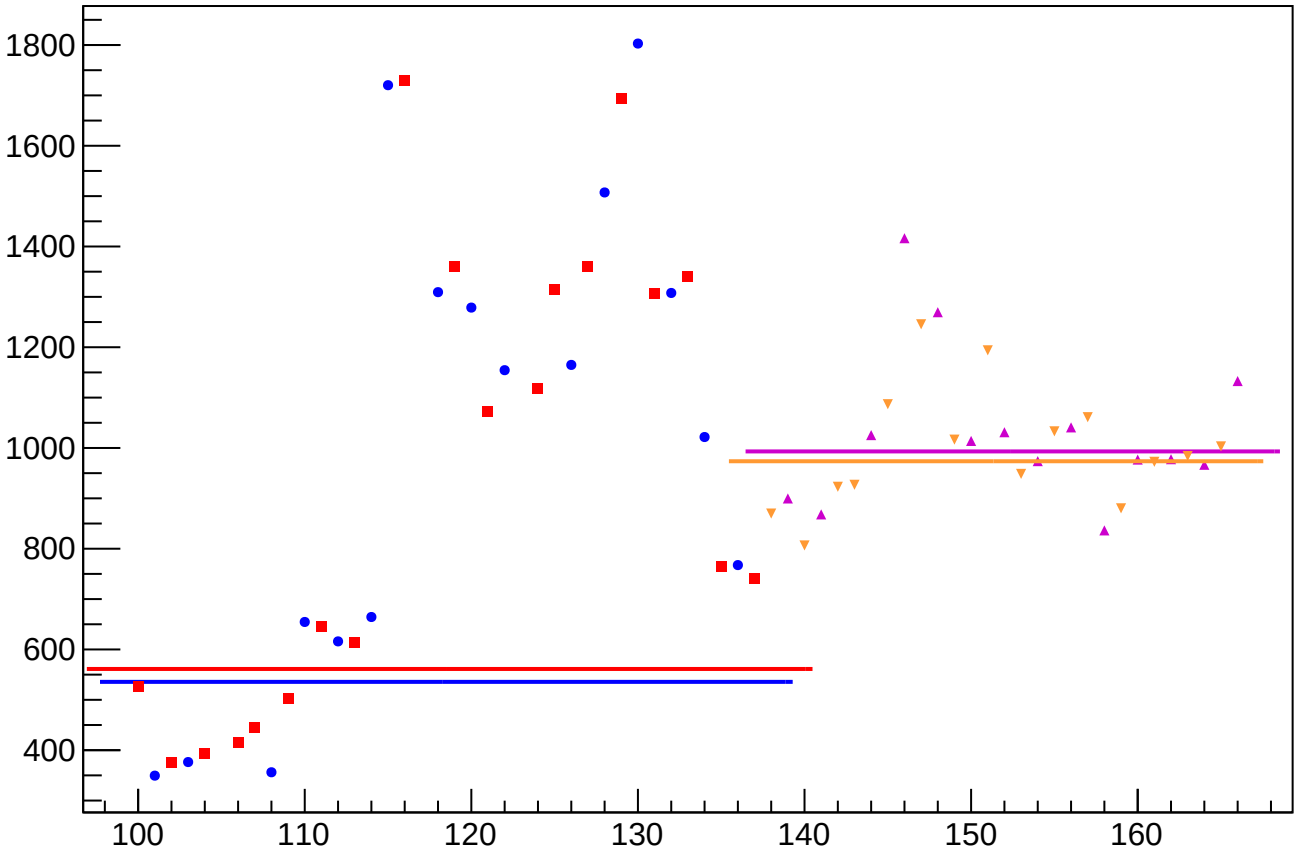
Left: 311.440+/-205.430 χ^2/NDF: 48.6/28

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 256.243+/-181.833 χ^2/NDF:40.8/29

Out: 213.063+/-180.476 χ^2/NDF:40.9/33

All: 234.491+/-128.093 χ^2/NDF: 81.7/63



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 993.164+/-0.209 χ^2/NDF:381366.6/13

Left: 983.074+/-0.145 χ^2/NDF: 680279.1/28

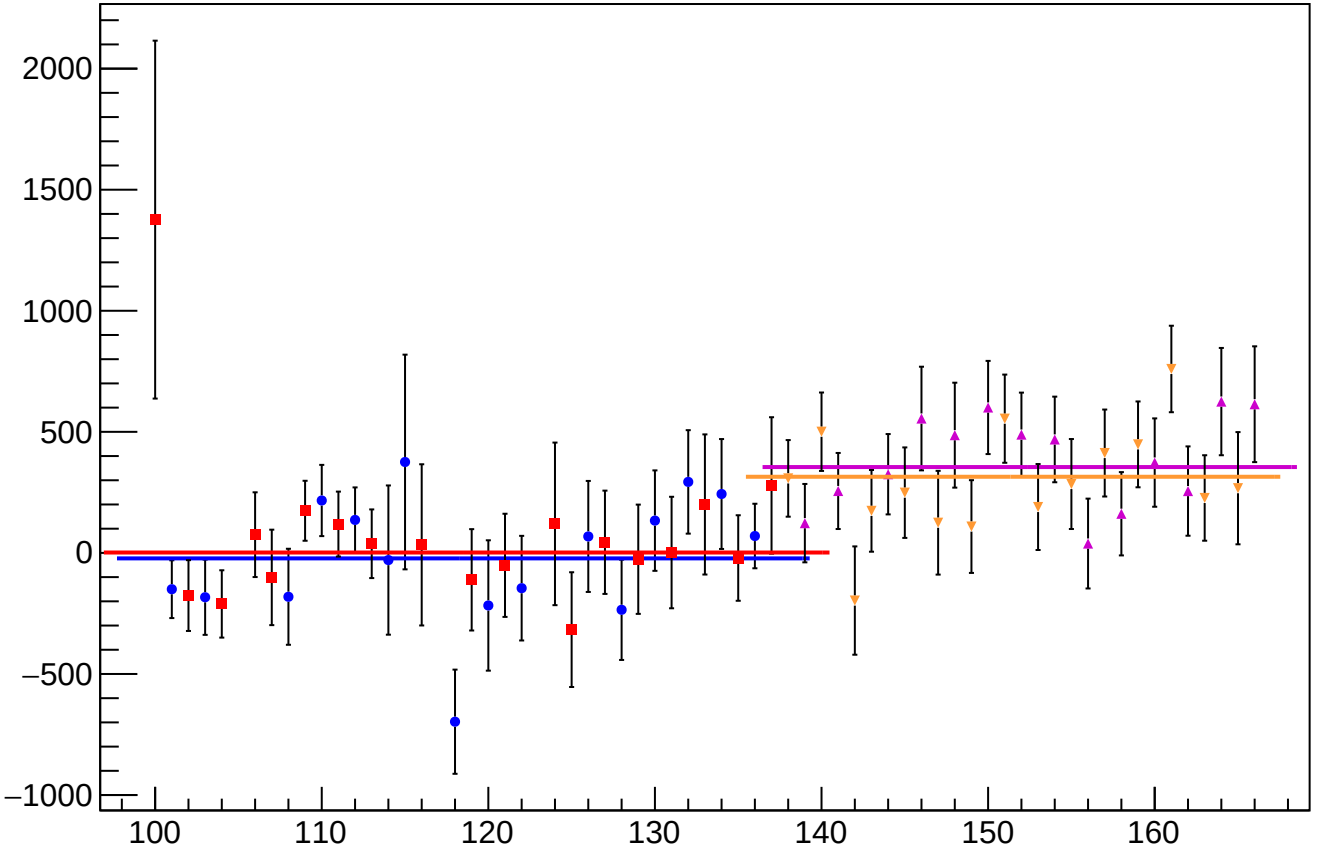
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 708.843+/-0.129 χ^2/NDF:6992449.2/29

Out: 725.766+/-0.128 χ^2/NDF:5928855.8/33

All: 717.368+/-0.091 χ^2/NDF: 12930032.3/63

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.478+/-47.316 χ^2/NDF:18.9/14

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 354.553+/-49.352 χ^2/NDF:13.5/13

Left: 333.672+/-34.155 χ^2/NDF: 32.8/28

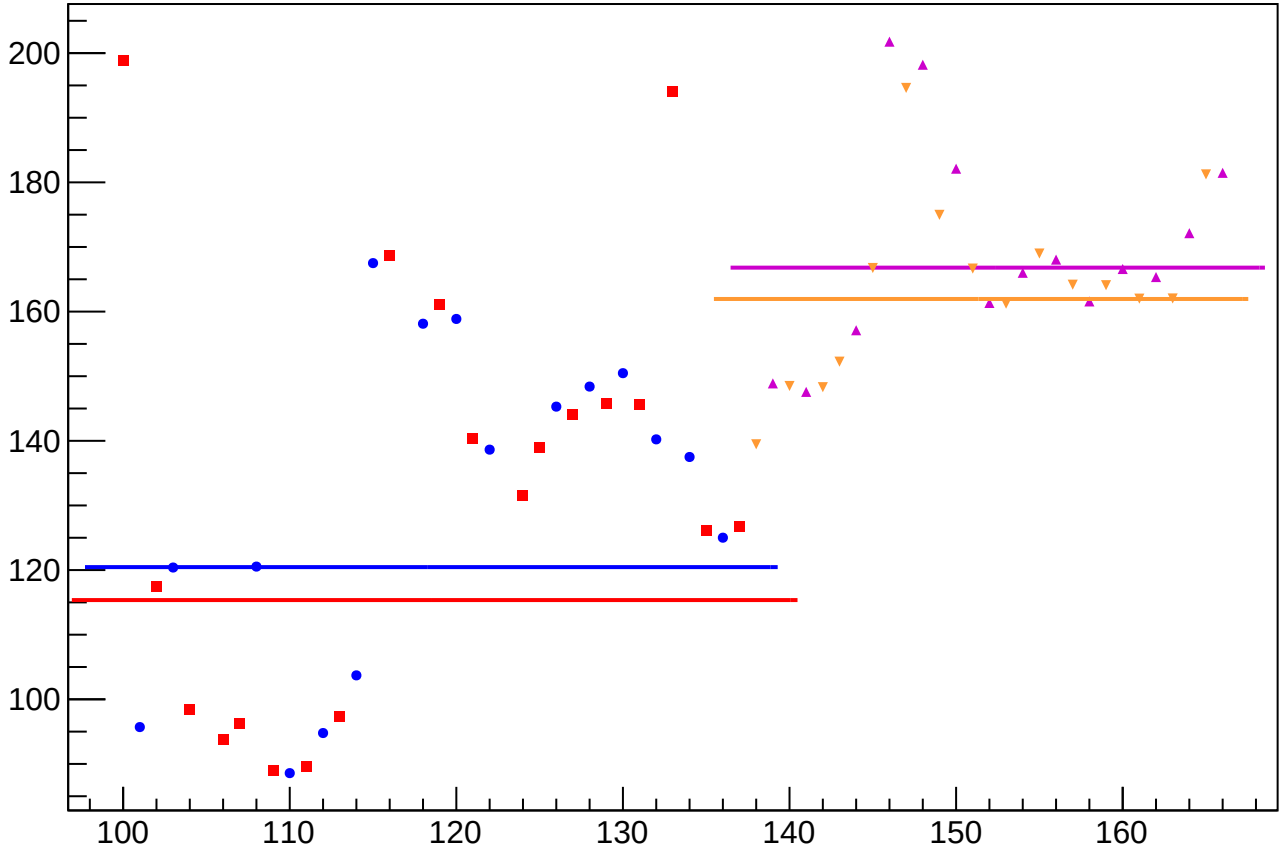
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 152.318+/-33.614 χ^2/NDF:69.0/29

Out: 145.139+/-32.049 χ^2/NDF:56.9/33

All: 148.558+/-23.195 χ^2/NDF: 125.9/63

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.953+/-0.033 χ^2/NDF:144007.1/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.802+/-0.035 χ^2/NDF:182131.0/13

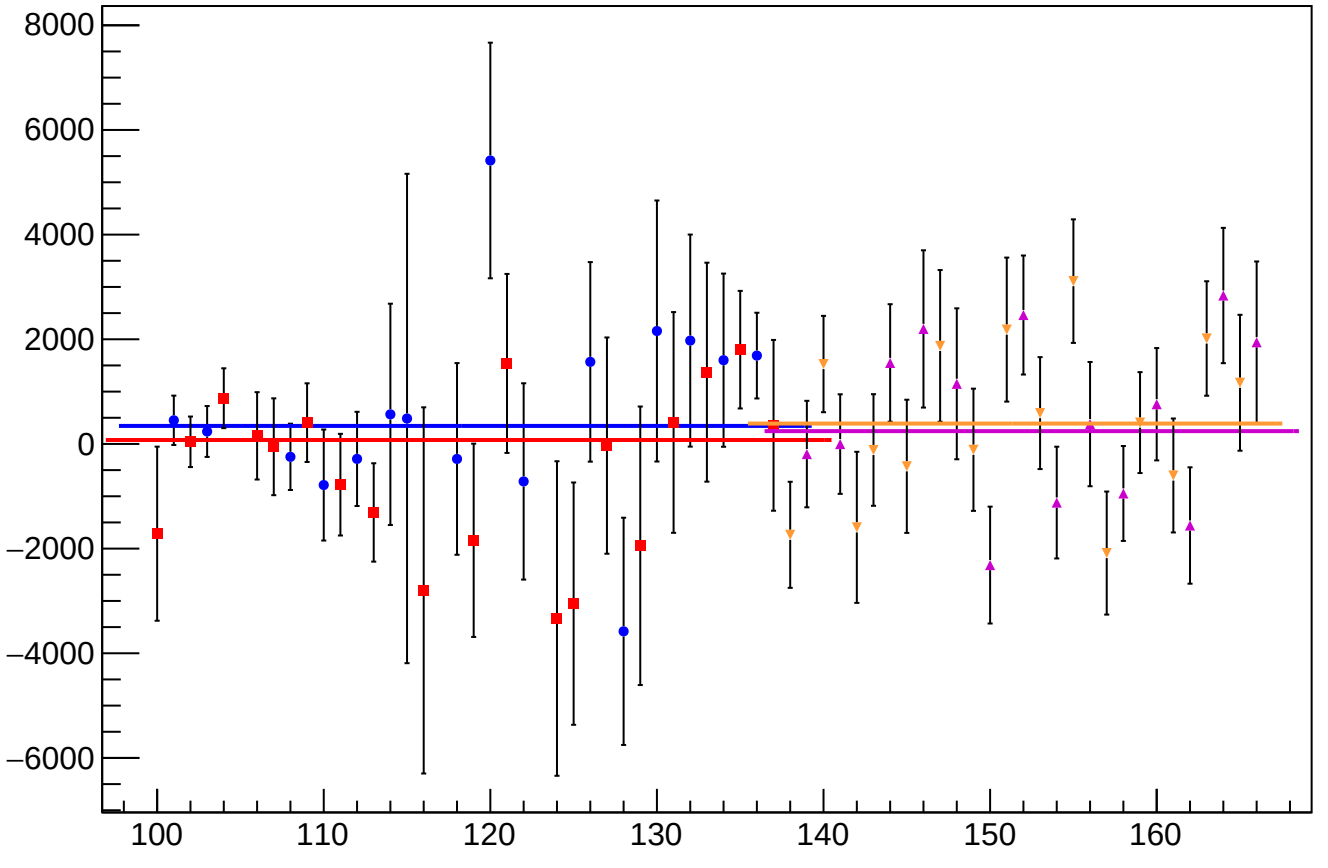
Left: 164.275+/-0.024 χ^2/NDF: 336196.5/28

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 141.957+/-0.024 χ^2/NDF:1657926.2/29

Out: 136.734+/-0.023 χ^2/NDF:1961004.5/33

All: 139.221+/-0.016 χ^2/NDF: 3644224.0/63



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 389.497+/-294.489 χ^2/NDF:24.6/14

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 244.792+/-303.433 χ^2/NDF:24.2/13

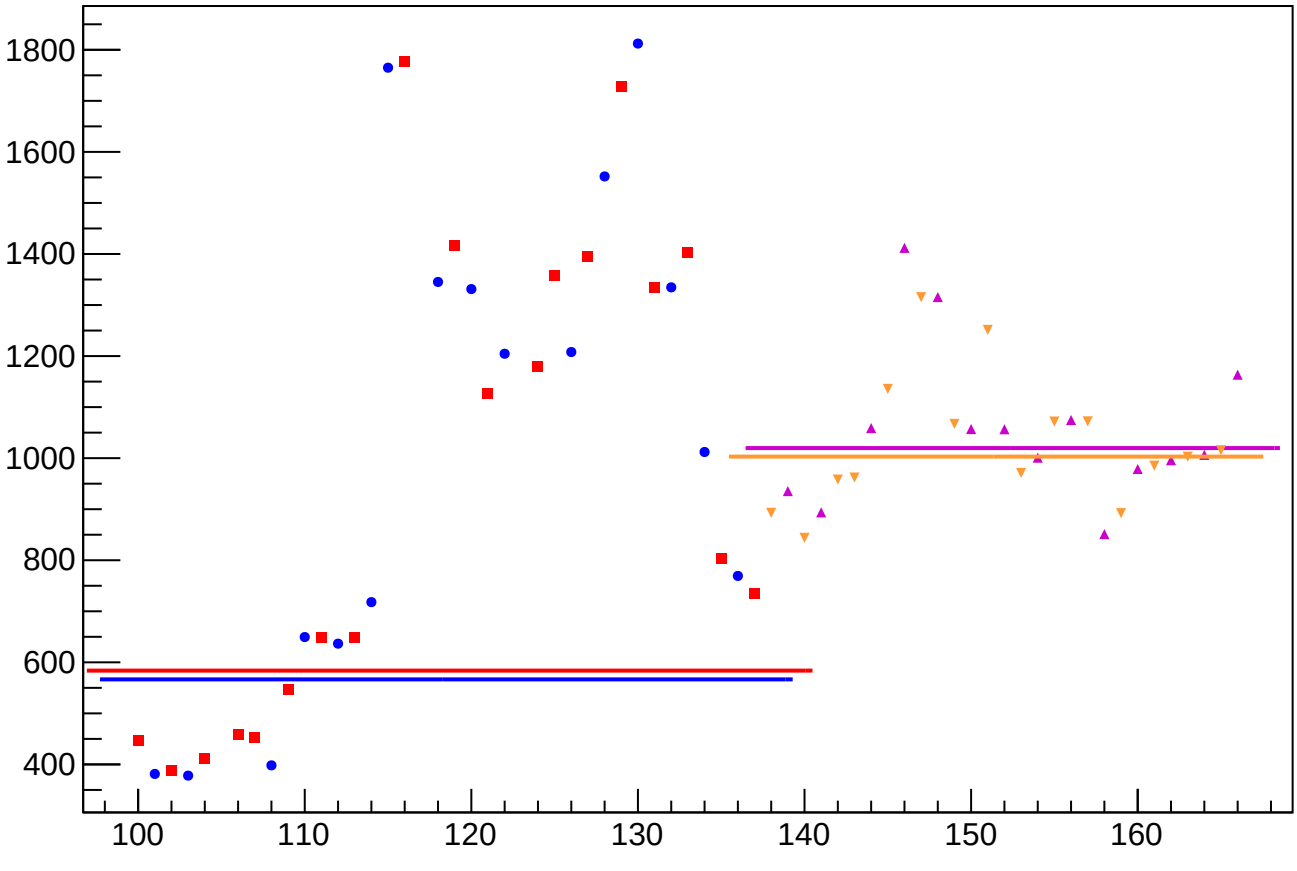
Left: 319.308+/-211.326 χ^2/NDF: 48.9/28

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 305.789+/-188.973 χ^2/NDF:40.5/29

Out: 201.078+/-186.265 χ^2/NDF:40.5/33

All: 252.678+/-132.656 χ^2/NDF: 81.2/63



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316633.8/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1019.772+/-0.215 χ^2/NDF:371424.6/13

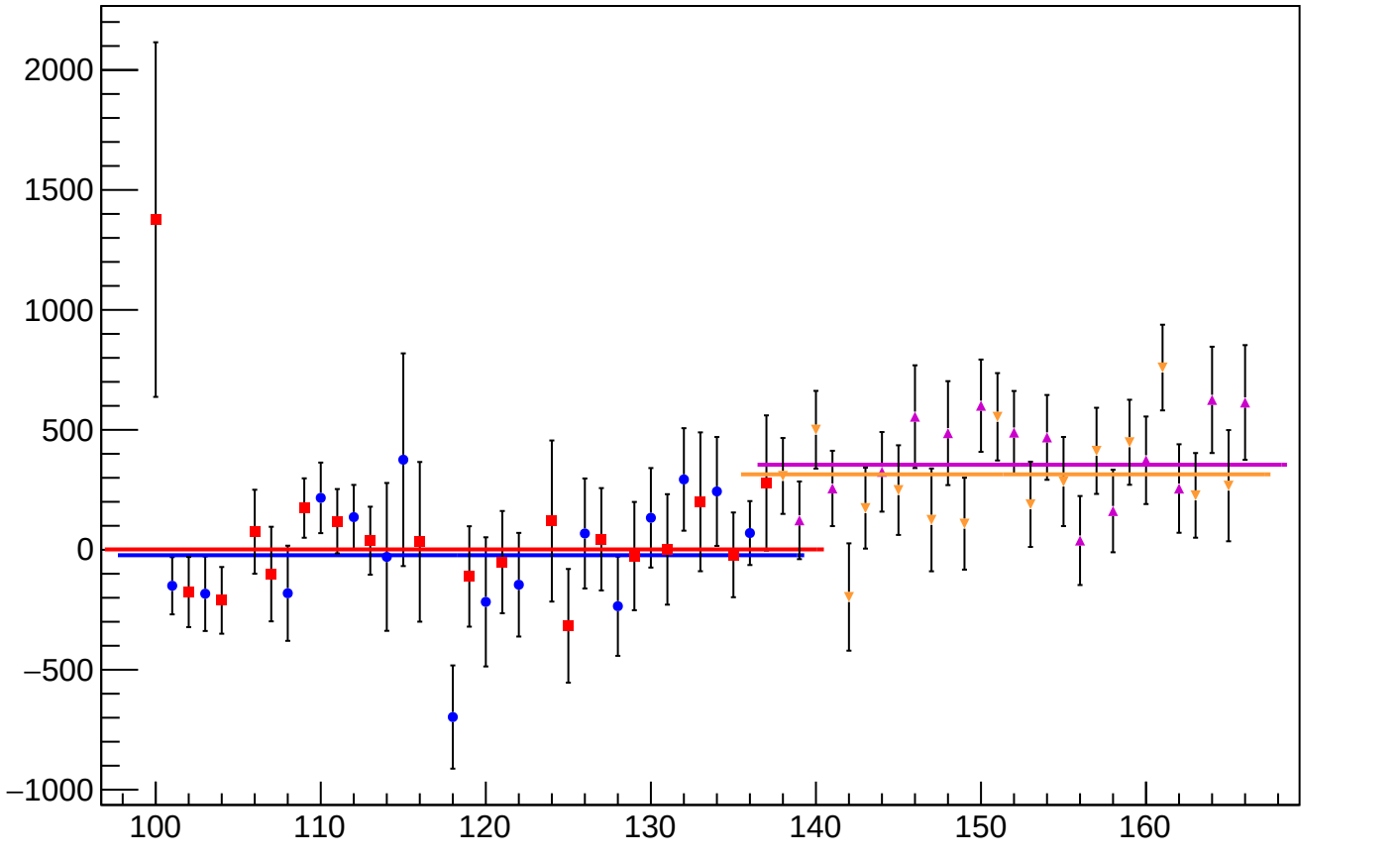
Left: 1011.172+/-0.149 χ^2/NDF: 691178.5/28

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

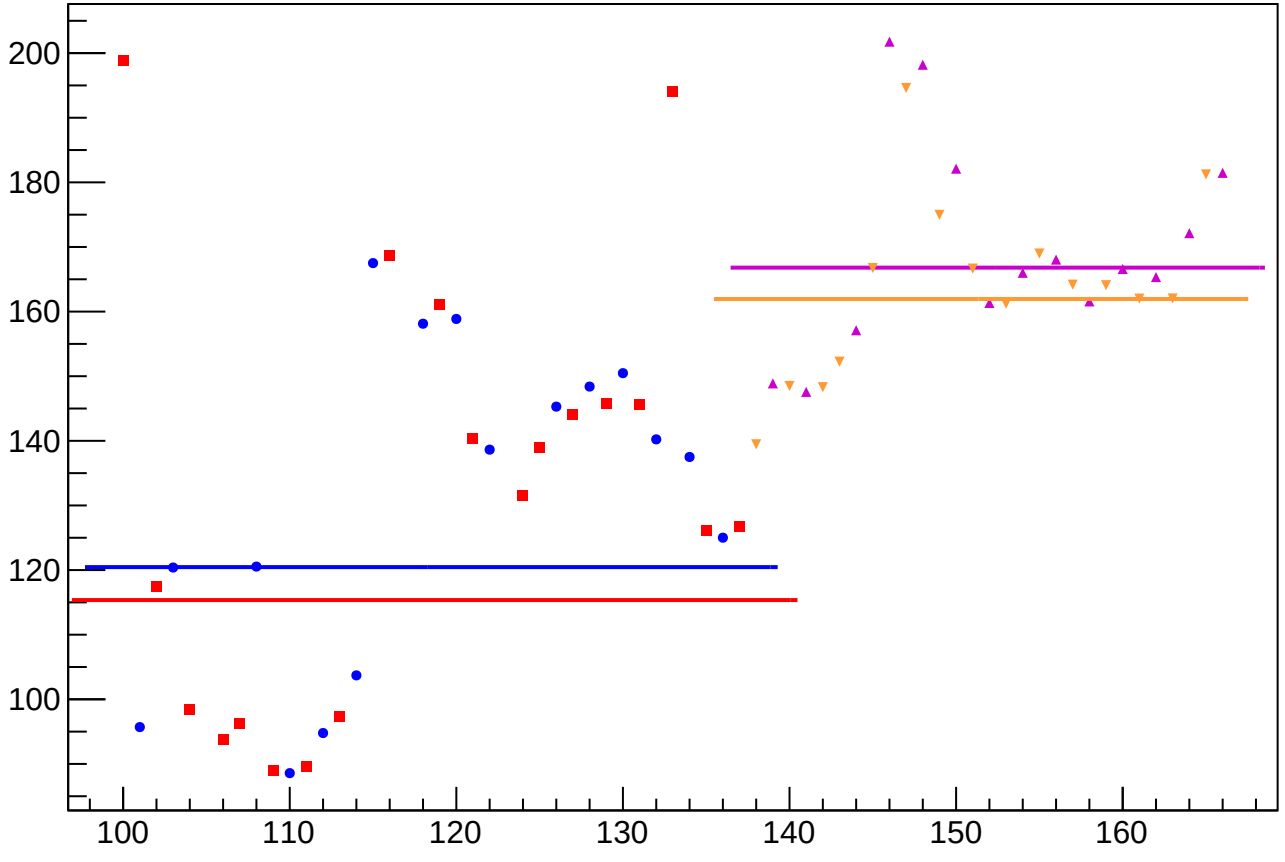
In: 742.369+/-0.134 χ^2/NDF:6534580.3/29

Out: 751.530+/-0.132 χ^2/NDF:5856364.6/33

All: 747.016+/-0.094 χ^2/NDF: 12393328.8/63


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 314.479+/-47.316 χ²/NDF:18.9/14
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 354.554+/-49.352 χ²/NDF:13.5/13
Left: 333.673+/-34.155 χ²/NDF: 32.8/28
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 152.318+/-33.614 χ²/NDF:69.0/29
Out: 145.140+/-32.049 χ²/NDF:56.9/33
All: 148.558+/-23.195 χ²/NDF: 125.9/63

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.953+/-0.033 χ^2/NDF:144006.2/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.801+/-0.035 χ^2/NDF:182130.9/13

Left: 164.275+/-0.024 χ^2/NDF: 336195.5/28

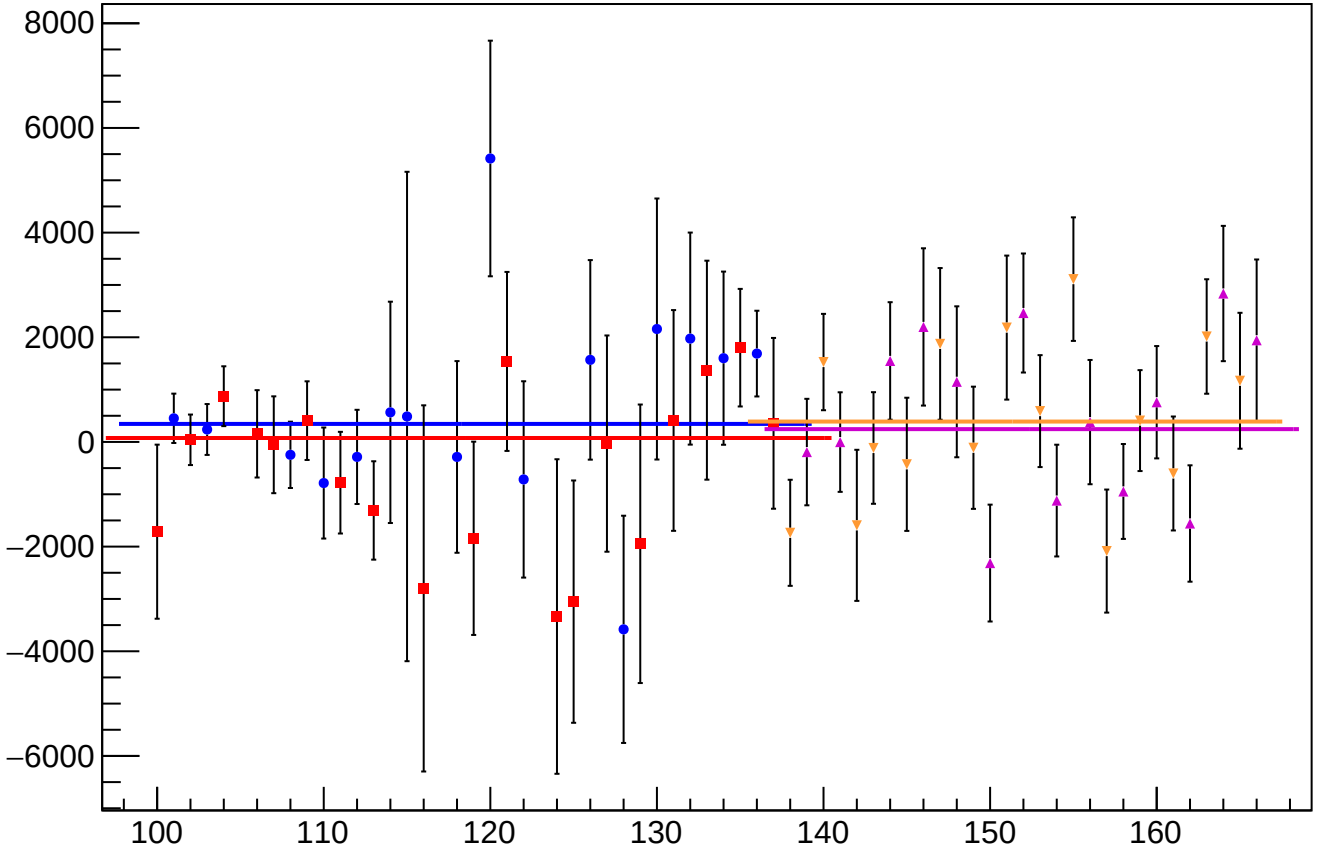
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 141.957+/-0.024 χ^2/NDF:1657935.5/29

Out: 136.734+/-0.023 χ^2/NDF:1961004.8/33

All: 139.221+/-0.016 χ^2/NDF: 3644233.4/63

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 389.497+/-294.489 χ^2/NDF:24.6/14

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 244.792+/-303.433 χ^2/NDF:24.2/13

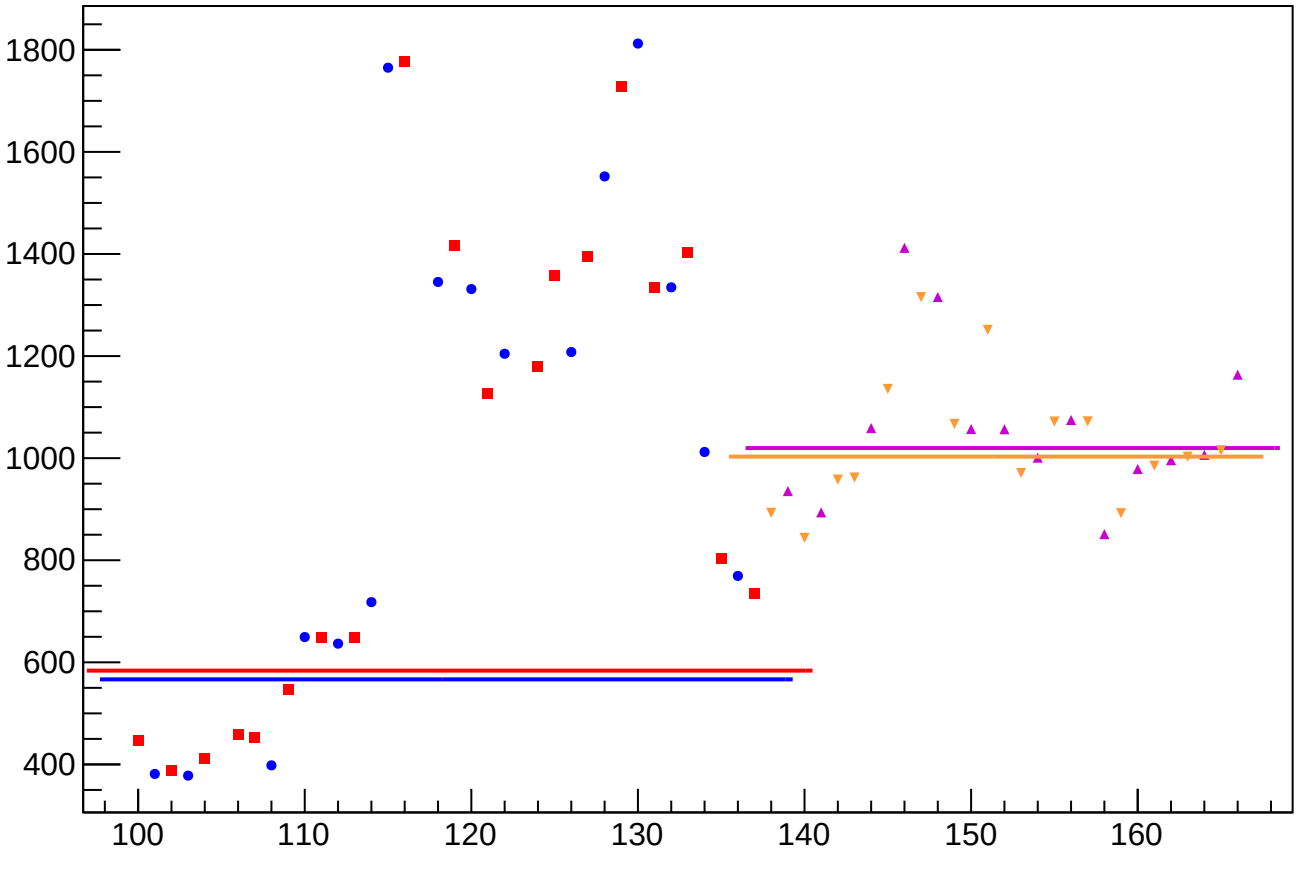
Left: 319.308+/-211.326 χ^2/NDF: 48.9/28

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 305.788+/-188.973 χ^2/NDF:40.5/29

Out: 201.079+/-186.265 χ^2/NDF:40.5/33

All: 252.678+/-132.656 χ^2/NDF: 81.2/63



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316636.2/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1019.772+/-0.215 χ^2/NDF:371427.4/13

Left: 1011.172+/-0.149 χ^2/NDF: 691183.6/28

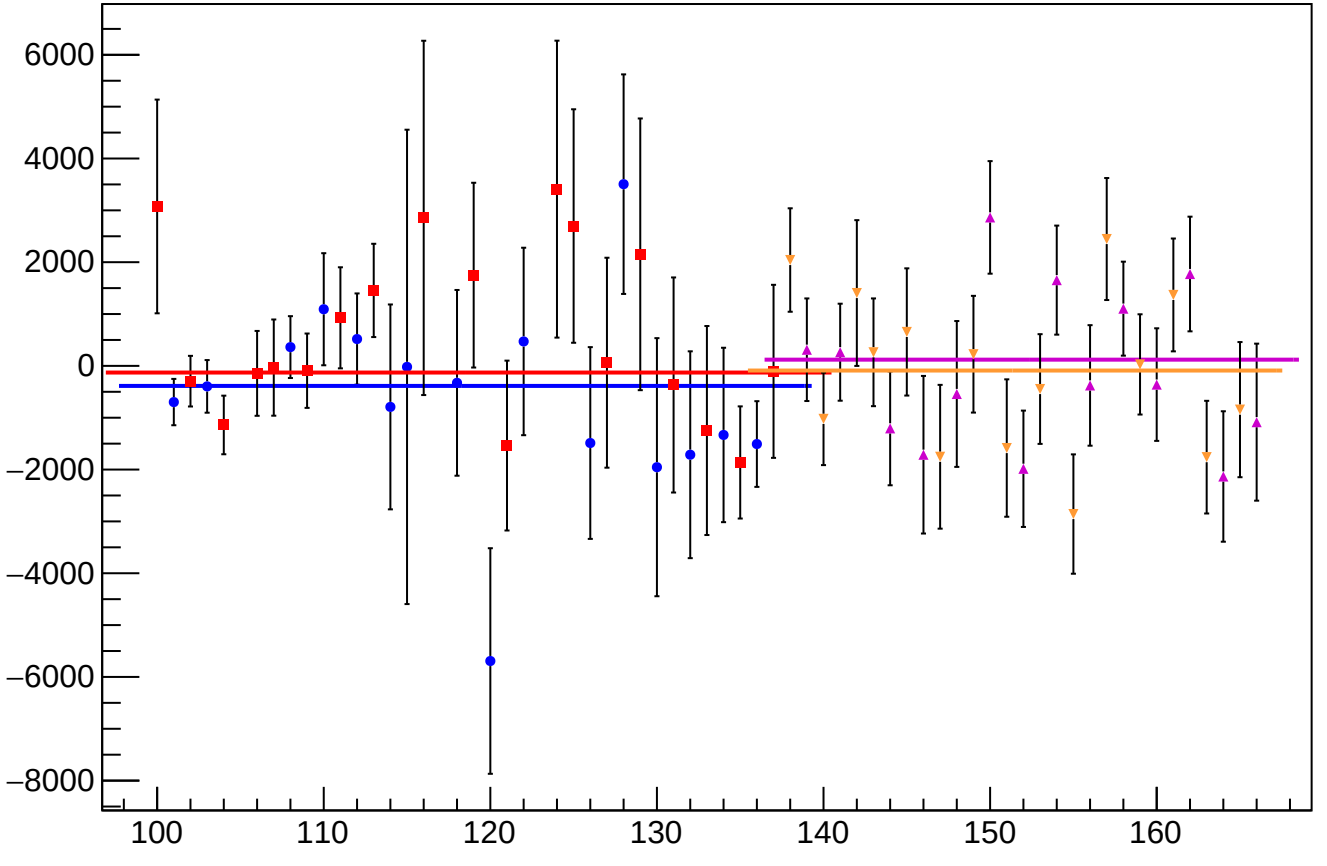
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 742.369+/-0.134 χ^2/NDF:6534596.5/29

Out: 751.530+/-0.132 χ^2/NDF:5856373.9/33

All: 747.015+/-0.094 χ^2/NDF: 12393354.4/63

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -89.798+/-289.217 χ^2/NDF:25.1/14

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 119.975+/-299.230 χ^2/NDF:22.9/13

Left: 11.520+/-207.957 χ^2/NDF: 48.2/28

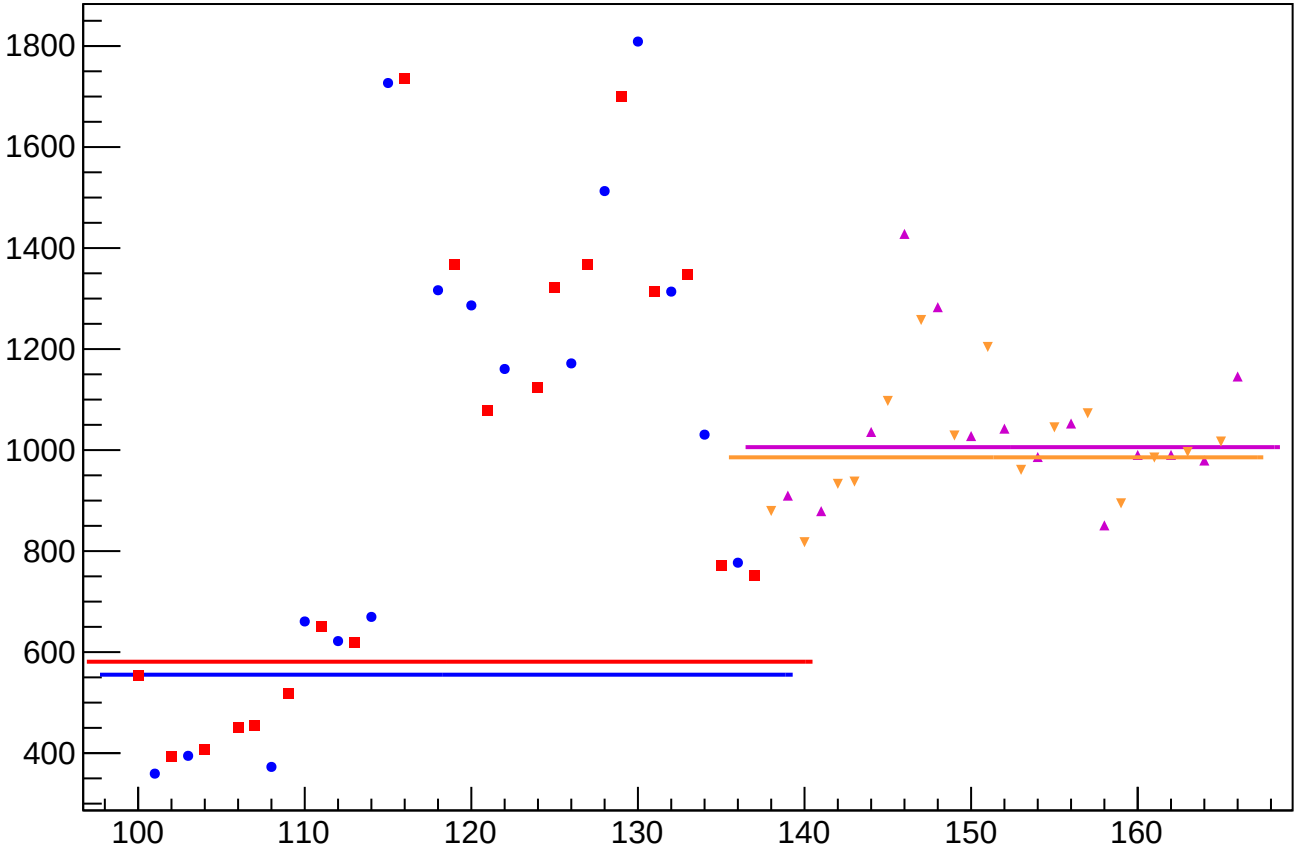
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -190.741+/-186.038 χ^2/NDF:42.6/29

Out: -112.904+/-183.886 χ^2/NDF:44.5/33

All: -151.370+/-130.781 χ^2/NDF: 87.2/63

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 985.682+/-0.205 χ^2/NDF:288013.3/14

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1005.835+/-0.212 χ^2/NDF:372950.9/13

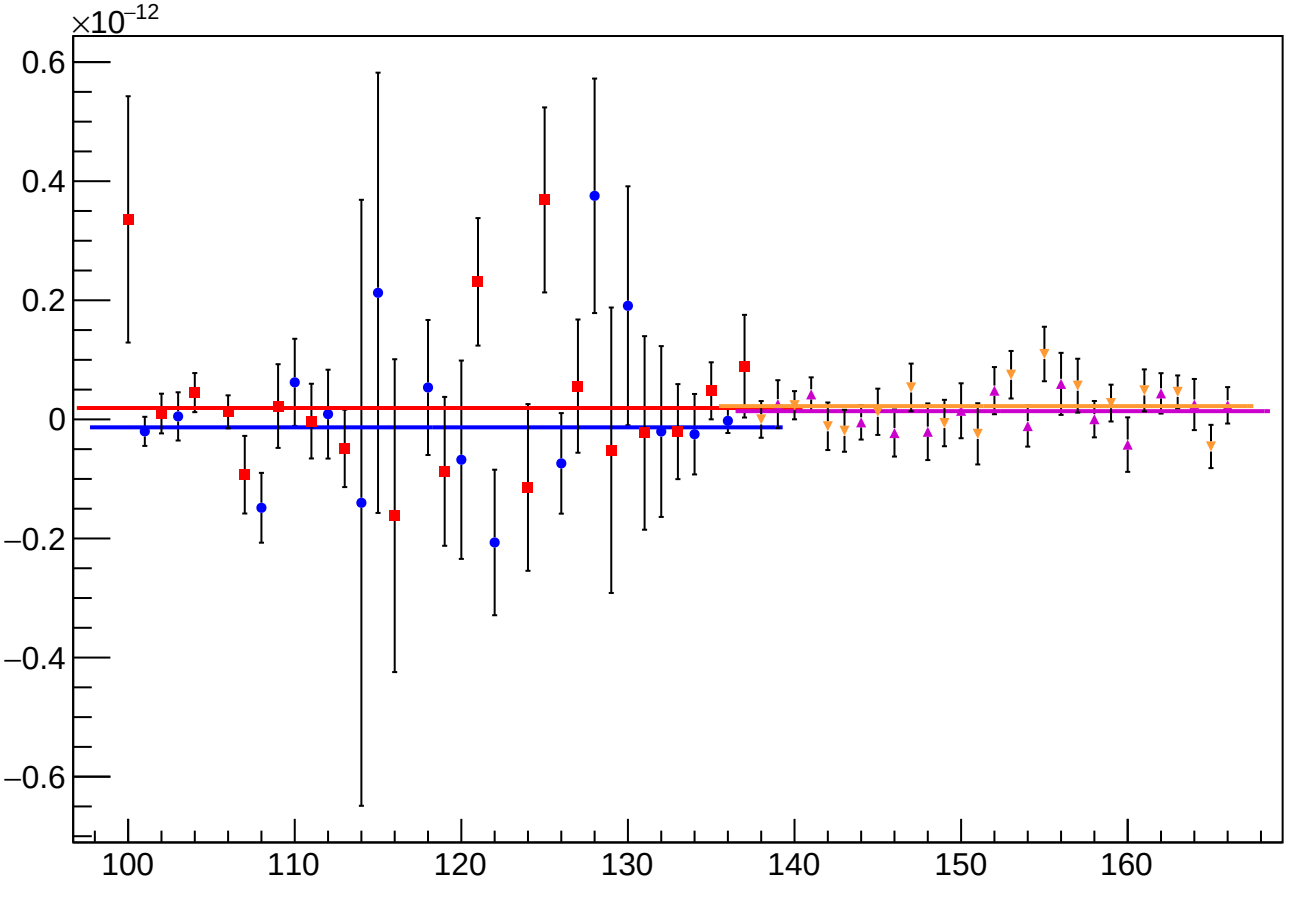
Left: 995.416+/-0.147 χ^2/NDF: 665654.7/28

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 729.445+/-0.132 χ^2/NDF:6636982.4/29

Out: 744.590+/-0.130 χ^2/NDF:5604402.8/33

All: 737.105+/-0.092 χ^2/NDF: 12248089.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/13

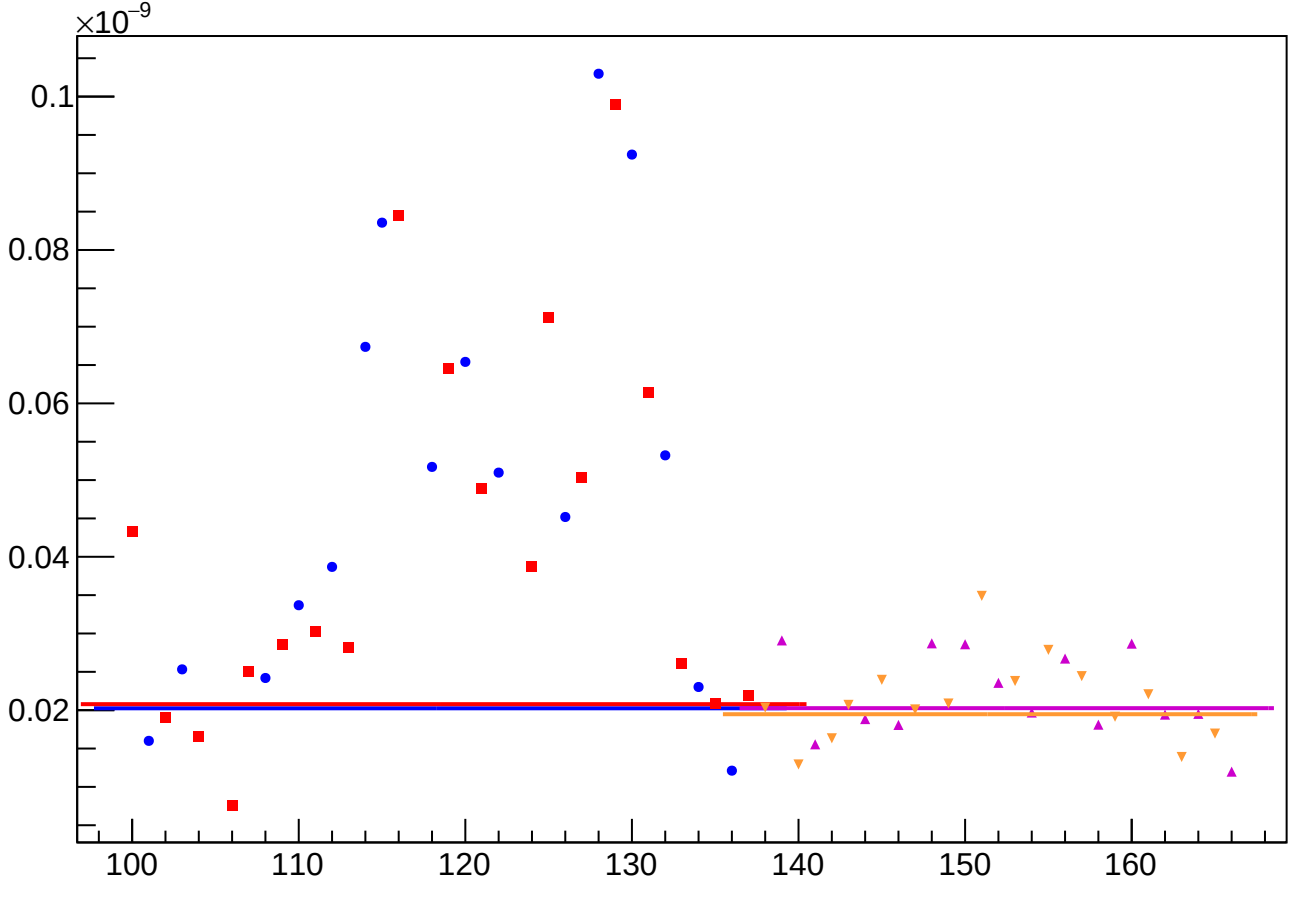
Left: 0.000+/-0.000 χ^2/NDF: 23.5/28

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:26.3/29

Out: 0.000+/-0.000 χ^2/NDF:35.4/33

All: 0.000+/-0.000 χ^2/NDF: 64.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:596714.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:561386.6/13

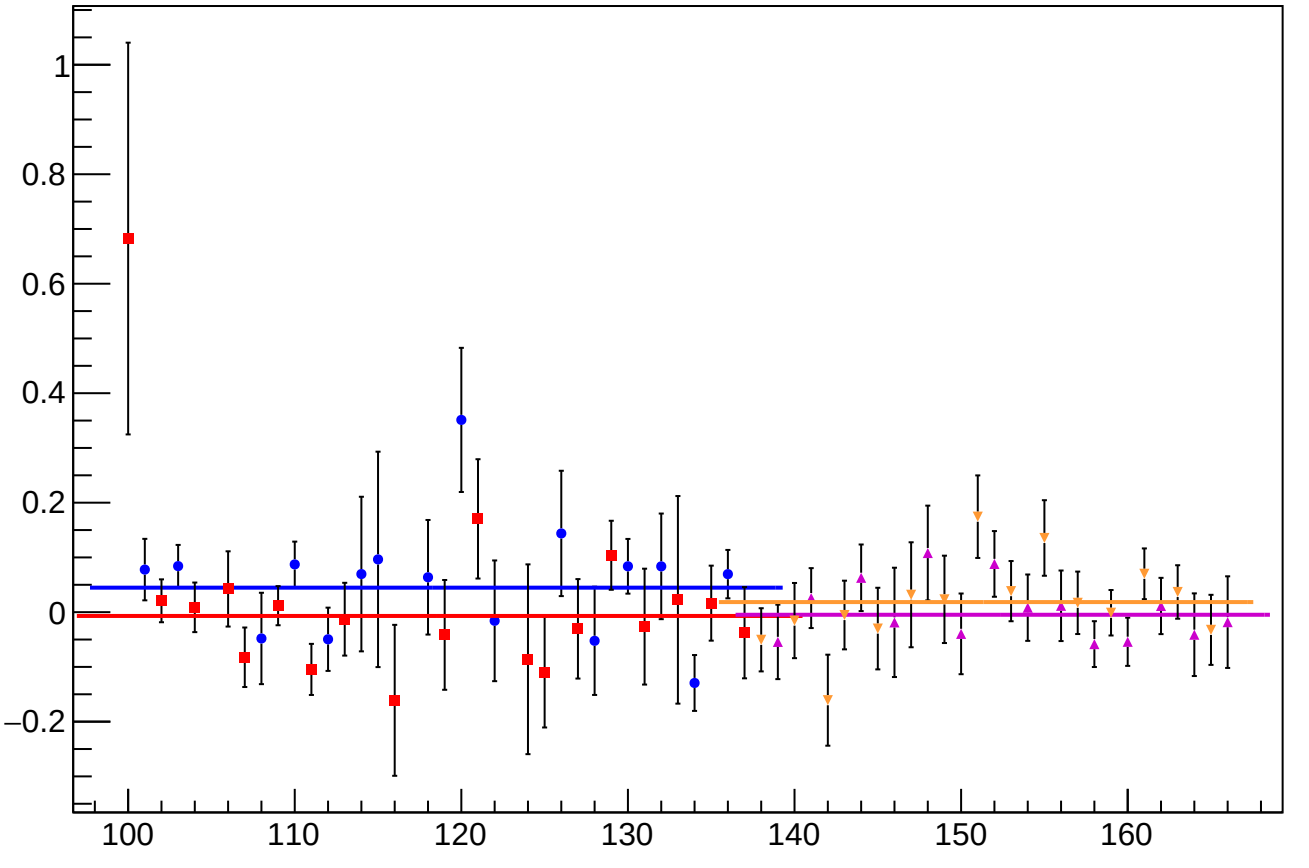
Left: 0.000+/-0.000 χ^2/NDF: 1165077.4/28

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2566067.3/29

Out: 0.000+/-0.000 χ^2/NDF:2465114.1/33

All: 0.000+/-0.000 χ^2/NDF: 5033716.3/63



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

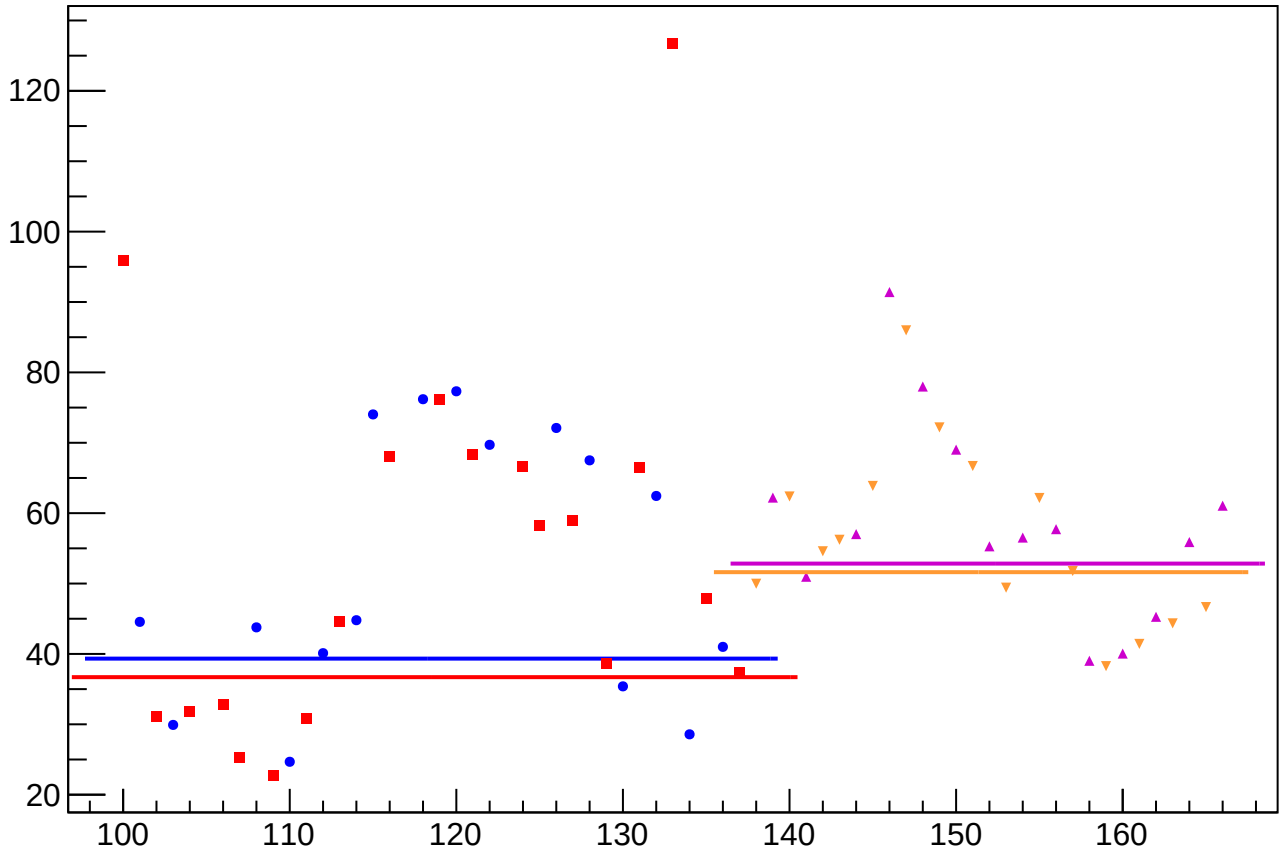
Left: 0.007+/-0.011 χ^2/NDF: 27.3/28

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.012+/-0.008 χ^2/NDF: 80.0/63



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.834+/-0.011 χ^2/NDF:1087893.9/13

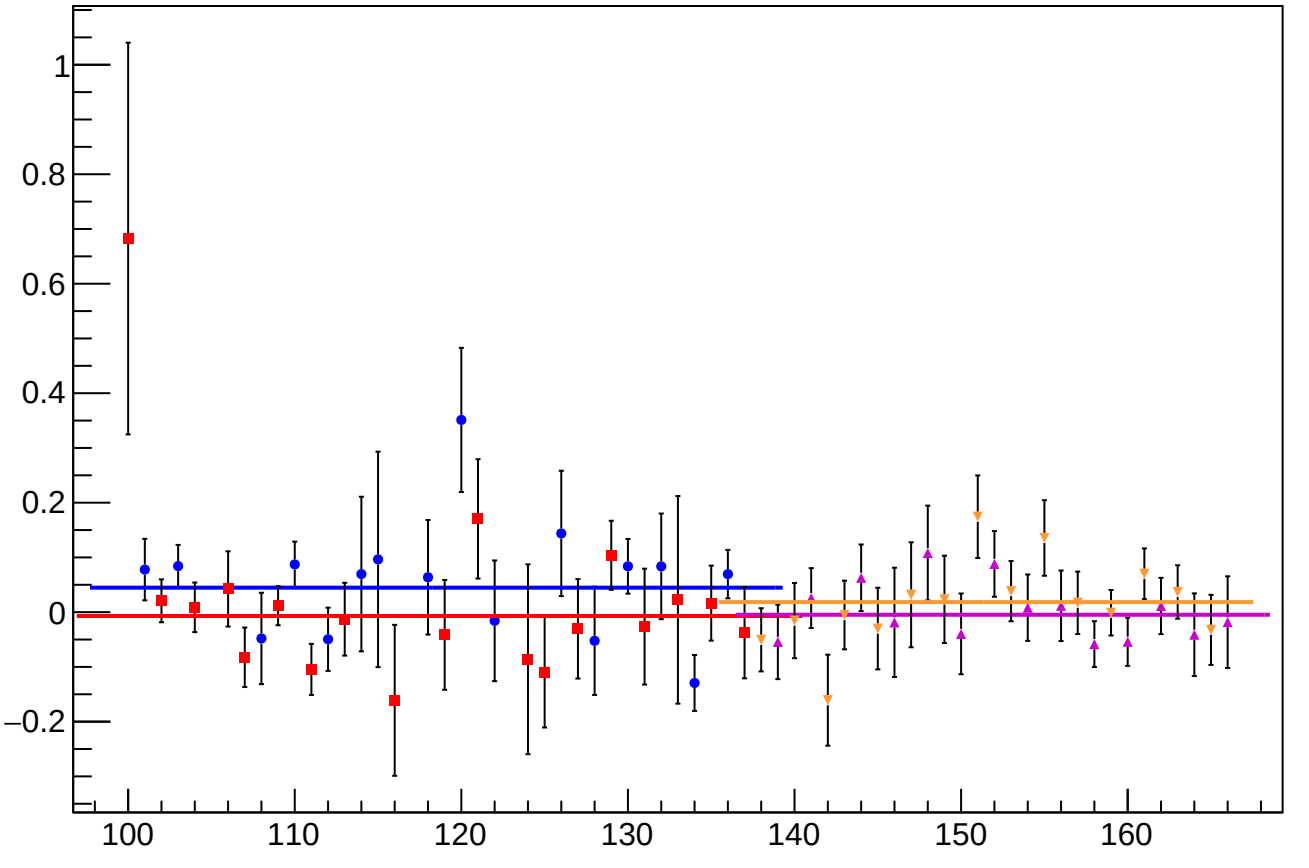
Left: 52.204+/-0.008 χ^2/NDF: 2091017.5/28

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.011+/-0.008 χ^2/NDF:3356614.7/29

Out: 43.903+/-0.008 χ^2/NDF:4035175.5/33

All: 44.907+/-0.006 χ^2/NDF: 7427651.8/63



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

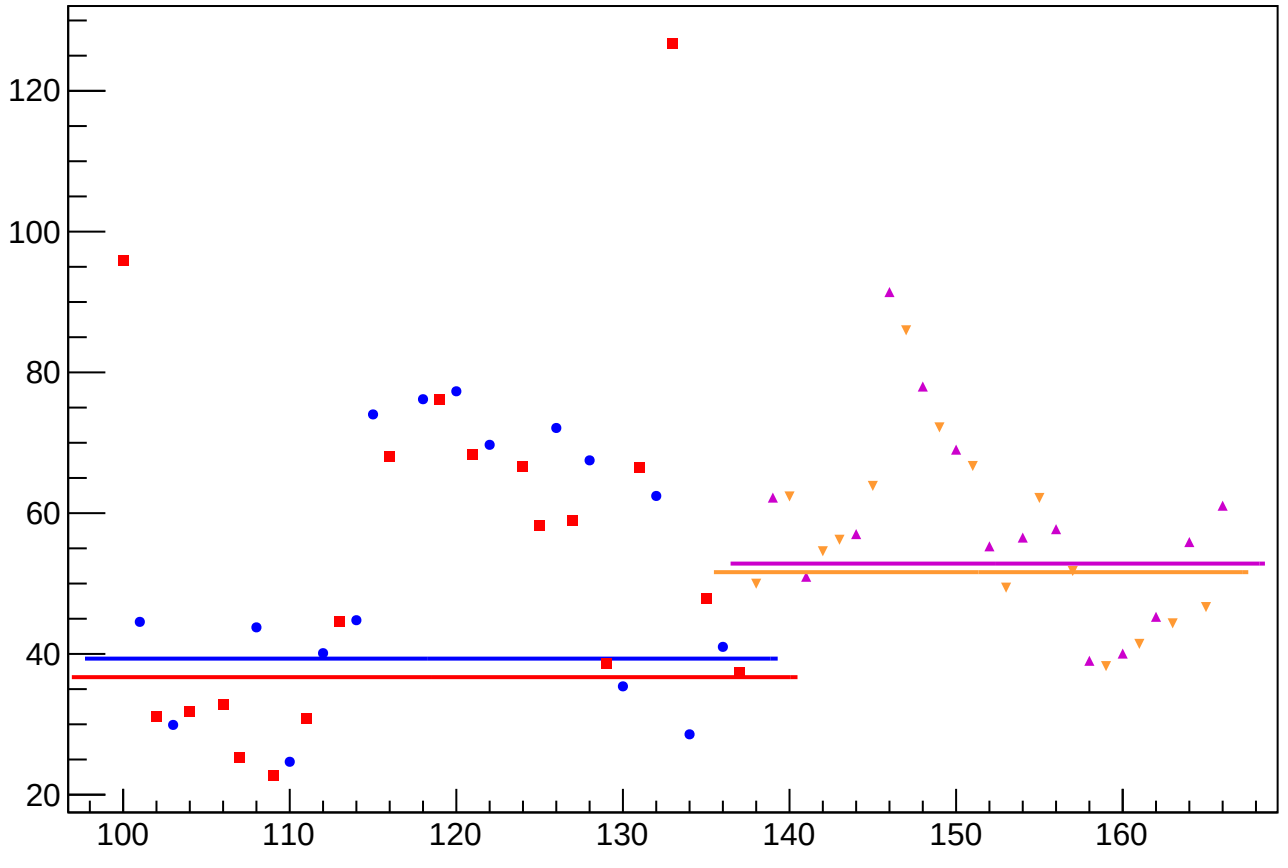
Left: 0.007+/-0.011 χ^2/NDF: 27.3/28

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.012+/-0.008 χ^2/NDF: 80.0/63



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.834+/-0.011 χ^2/NDF:1087893.9/13

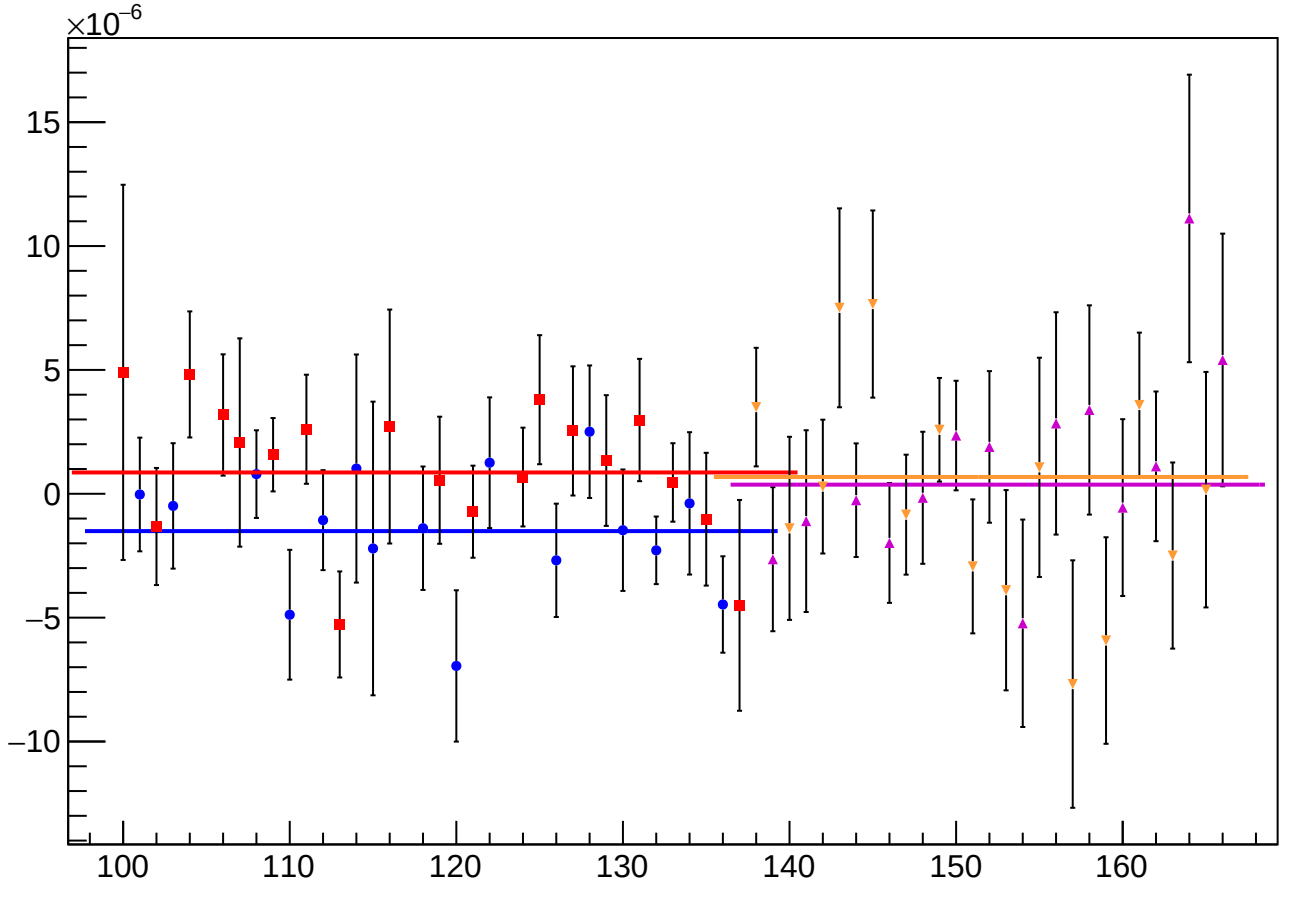
Left: 52.204+/-0.008 χ^2/NDF: 2091017.5/28

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.011+/-0.008 χ^2/NDF:3356614.7/29

Out: 43.903+/-0.008 χ^2/NDF:4035175.5/33

All: 44.907+/-0.006 χ^2/NDF: 7427651.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/13

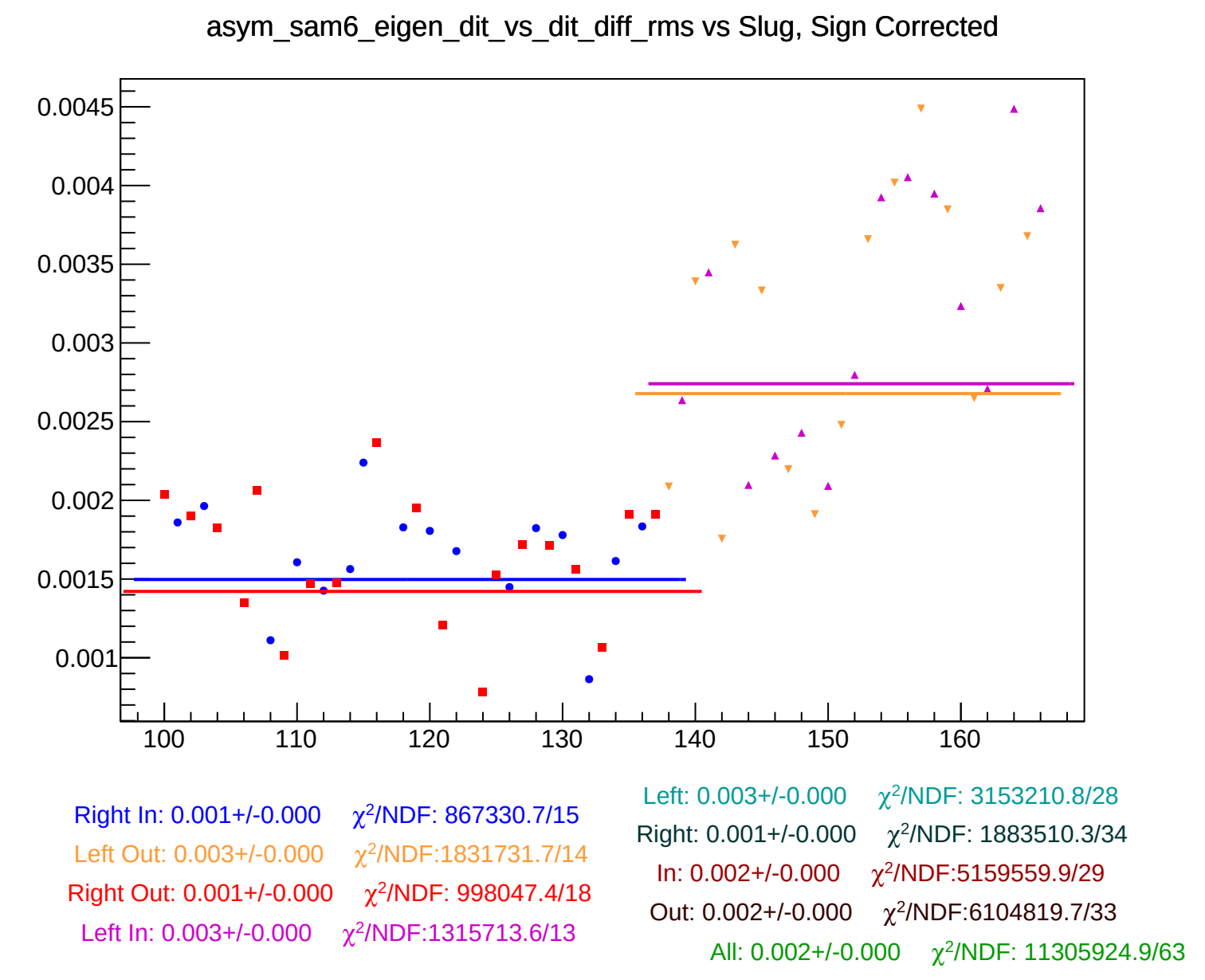
Left: 0.000+/-0.000 χ^2/NDF: 29.9/28

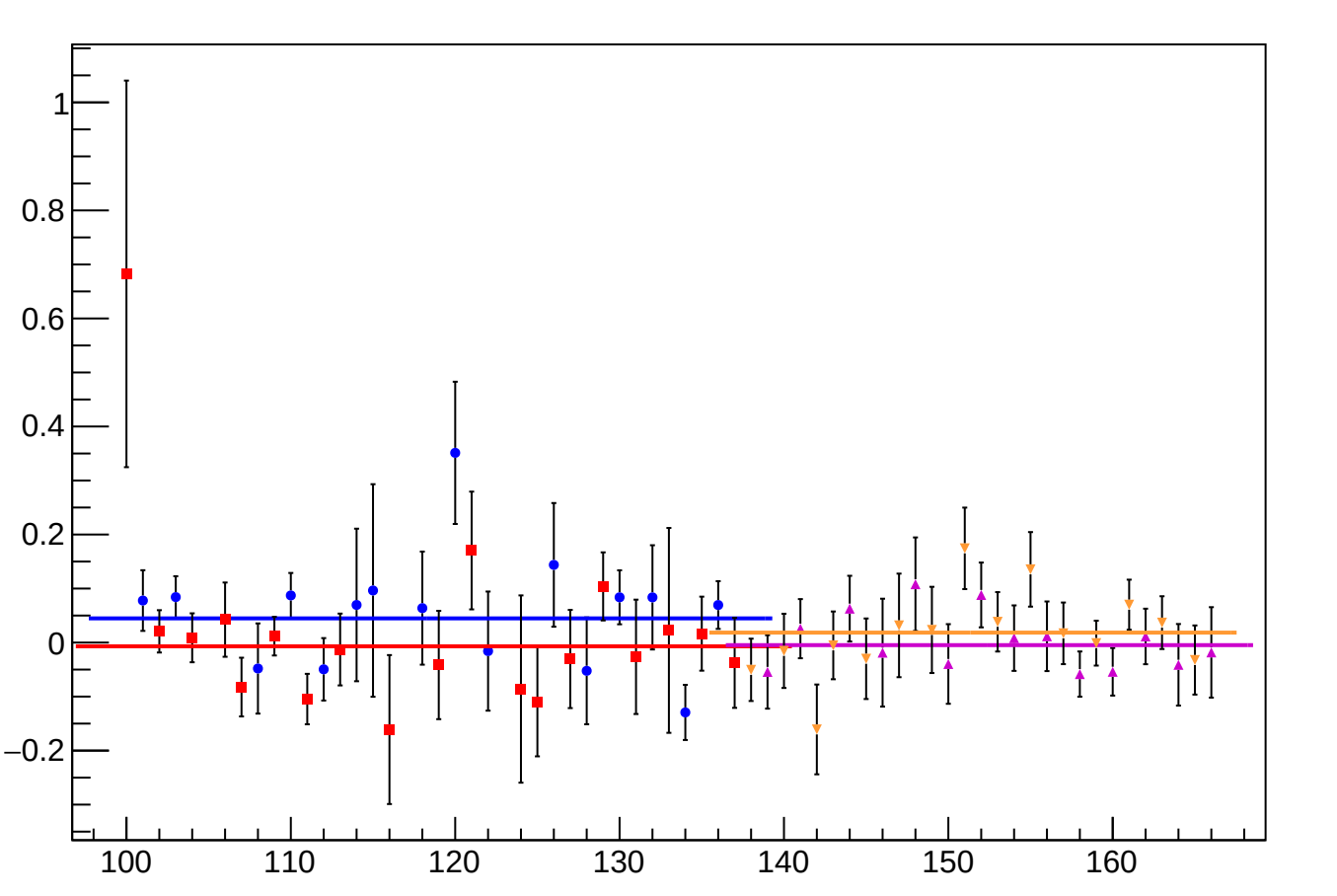
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

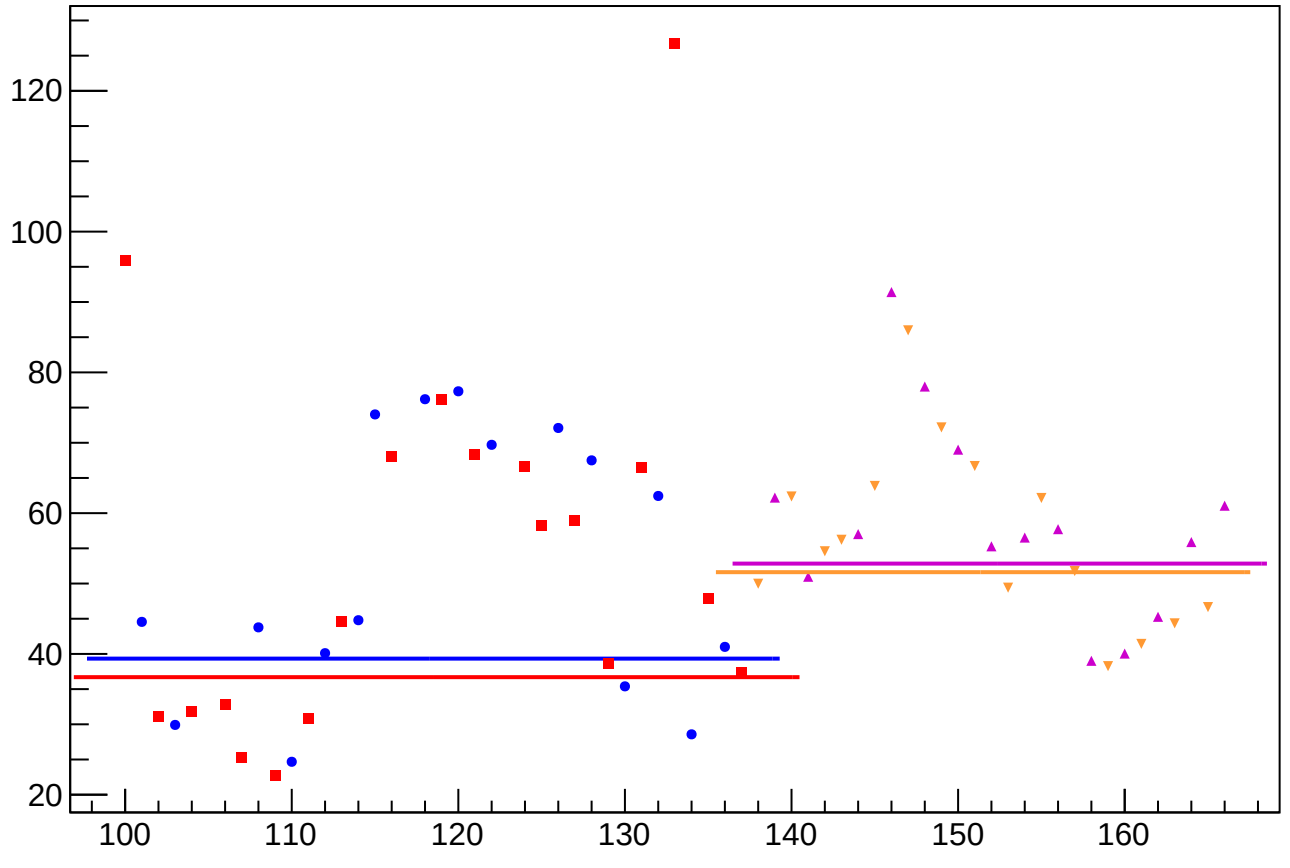
In: -0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:38.5/33

All: -0.000+/-0.000 χ^2/NDF: 72.9/63


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1831731.7/14
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1315713.6/13
Left: 0.003+/-0.000 χ²/NDF: 3153210.8/28
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5159559.9/29
Out: 0.002+/-0.000 χ²/NDF:6104819.7/33
All: 0.002+/-0.000 χ²/NDF: 11305924.9/63


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.018+/-0.016 χ²/NDF:16.4/14
Right Out: -0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.005+/-0.016 χ²/NDF:9.8/13
Left: 0.007+/-0.011 χ²/NDF: 27.3/28
Right: 0.017+/-0.011 χ²/NDF: 52.3/34
In: 0.020+/-0.011 χ²/NDF:41.1/29
Out: 0.005+/-0.011 χ²/NDF:37.9/33
All: 0.012+/-0.008 χ²/NDF: 80.0/63



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.616+/-0.011 χ^2/NDF:997352.9/14

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.833+/-0.011 χ^2/NDF:1088016.5/13

Left: 52.203+/-0.008 χ^2/NDF: 2091212.0/28

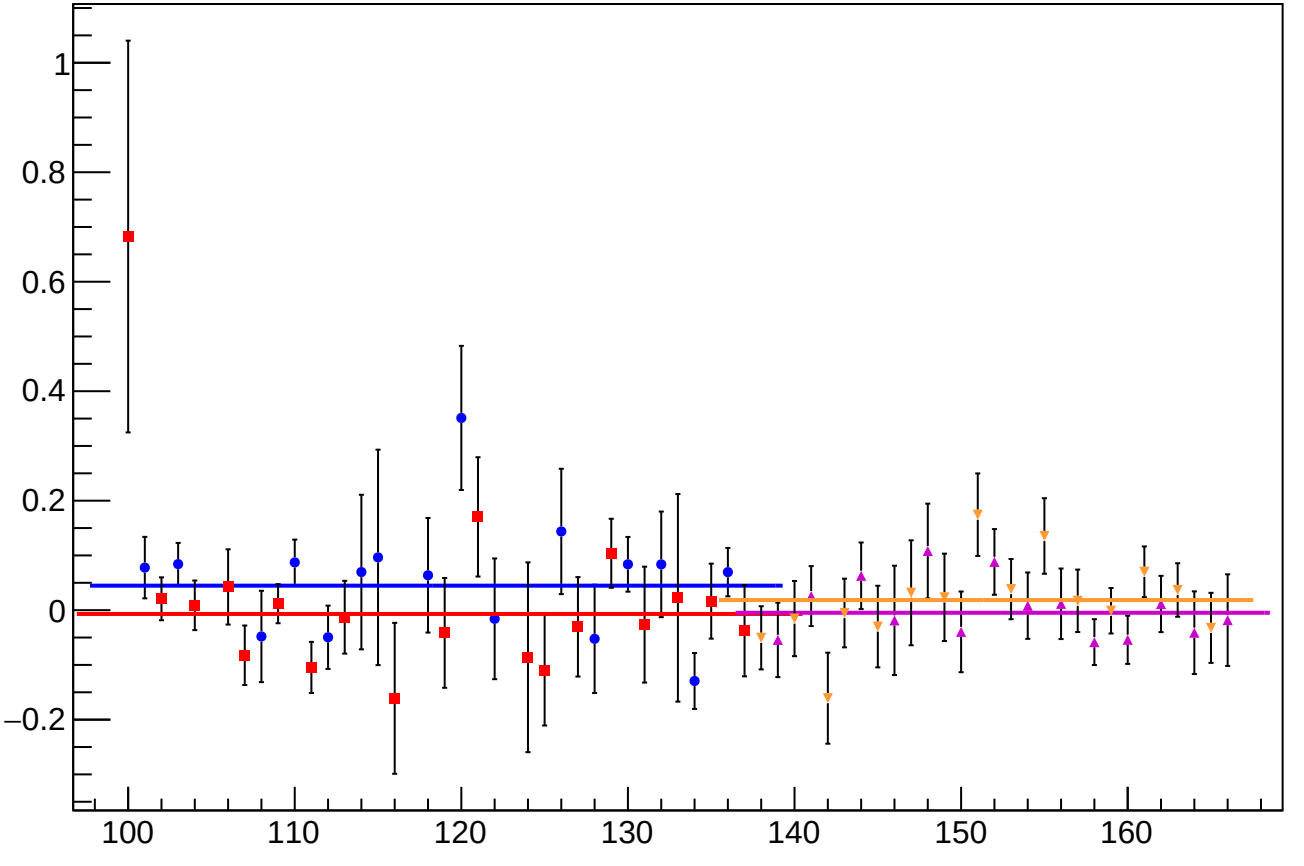
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.010+/-0.008 χ^2/NDF:3356704.8/29

Out: 43.902+/-0.008 χ^2/NDF:4035166.1/33

All: 44.906+/-0.006 χ^2/NDF: 7427724.0/63

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/13

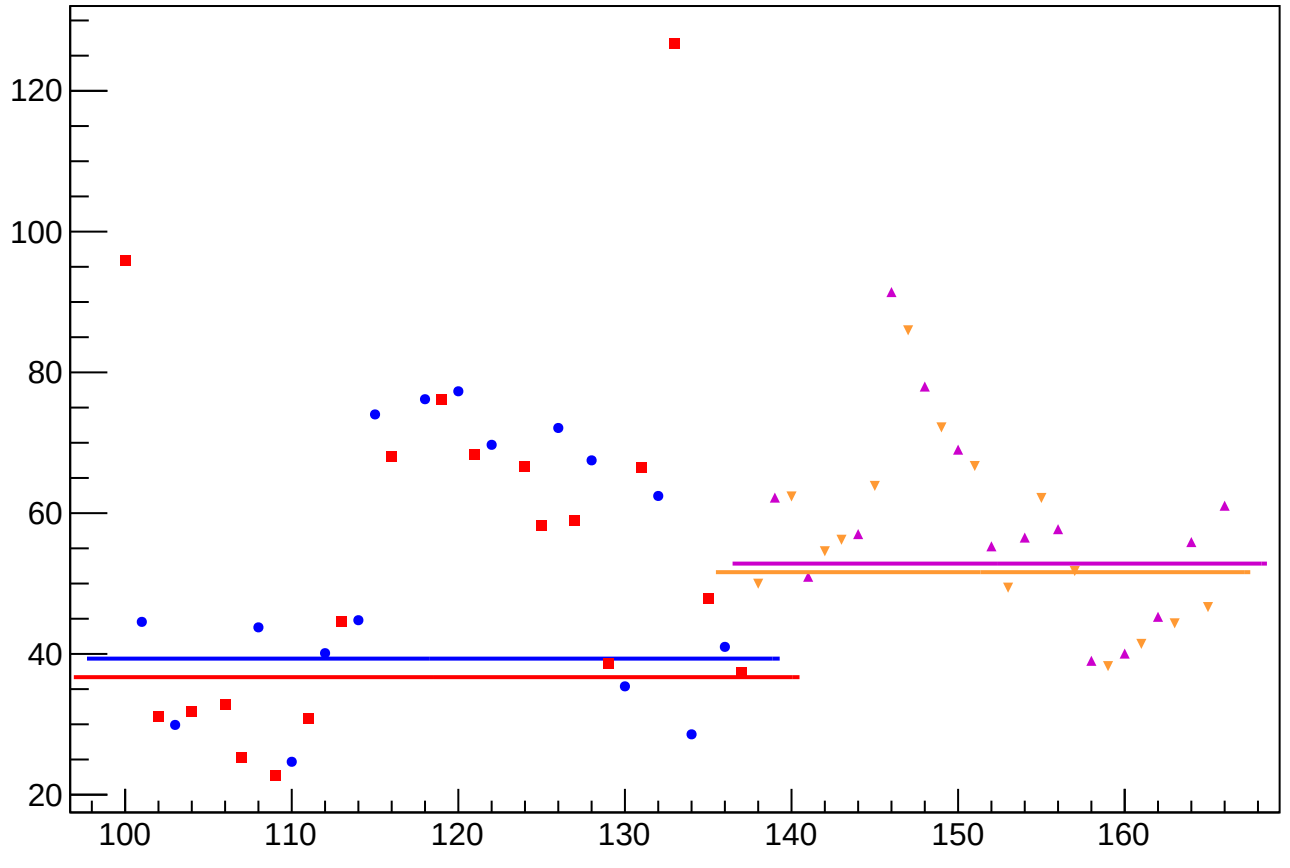
Left: 0.007+/-0.011 χ^2/NDF: 27.3/28

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.1/29

Out: 0.005+/-0.011 χ^2/NDF:37.9/33

All: 0.012+/-0.008 χ^2/NDF: 80.0/63



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.616+/-0.011 χ^2/NDF:997352.9/14

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.833+/-0.011 χ^2/NDF:1088016.5/13

Left: 52.203+/-0.008 χ^2/NDF: 2091212.0/28

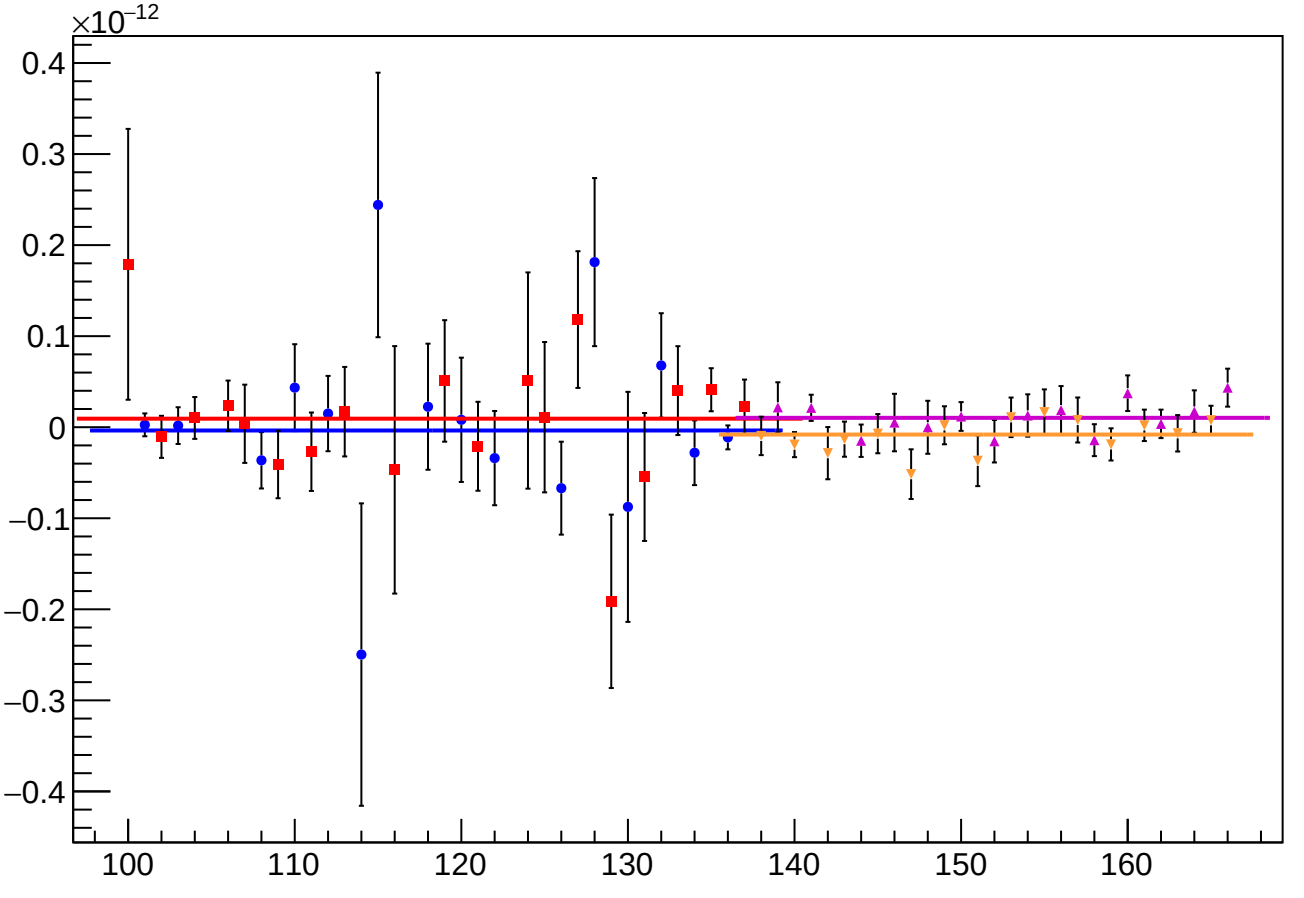
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.010+/-0.008 χ^2/NDF:3356704.8/29

Out: 43.902+/-0.008 χ^2/NDF:4035166.1/33

All: 44.906+/-0.006 χ^2/NDF: 7427724.0/63

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/13

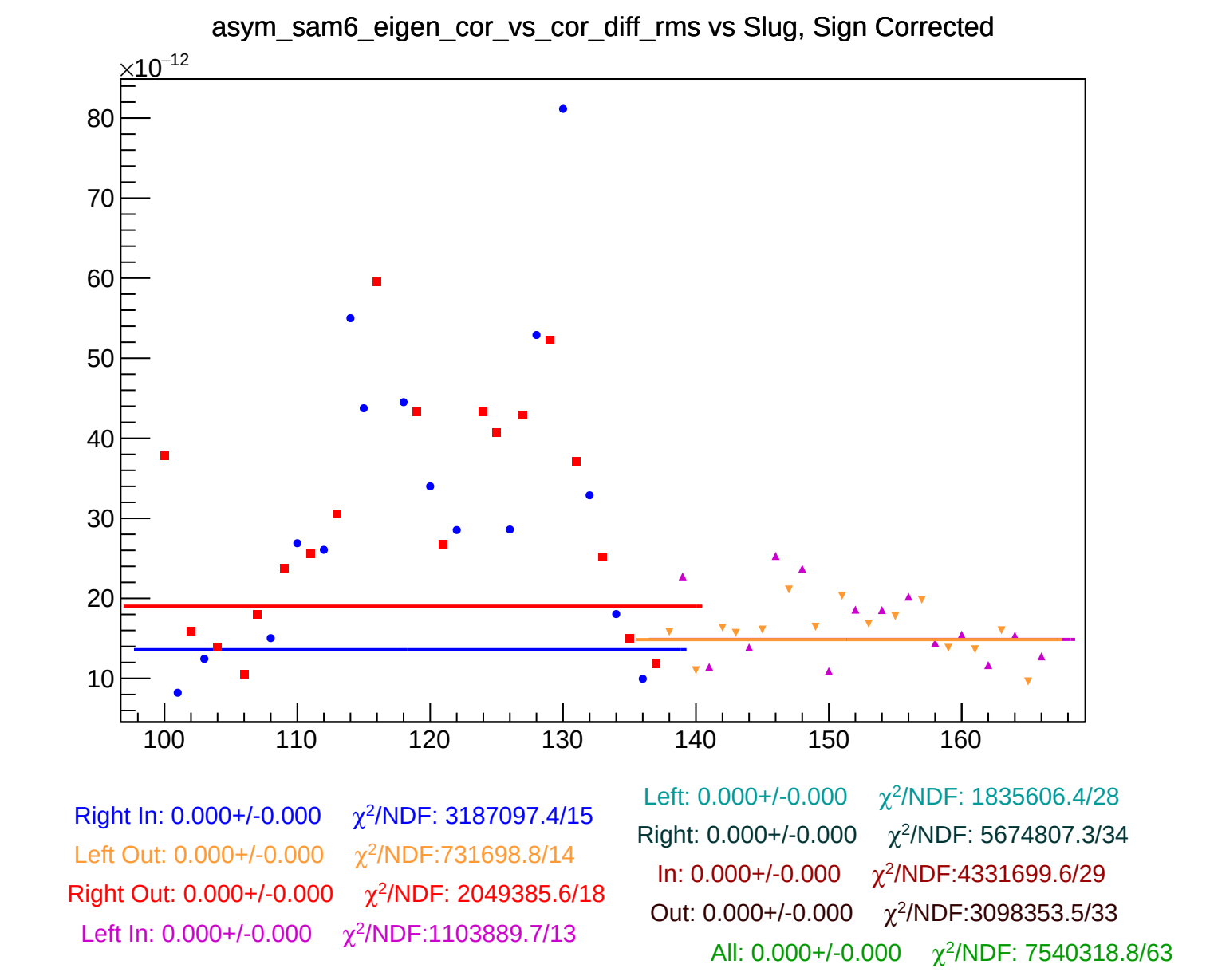
Left: 0.000+/-0.000 χ^2/NDF: 25.8/28

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

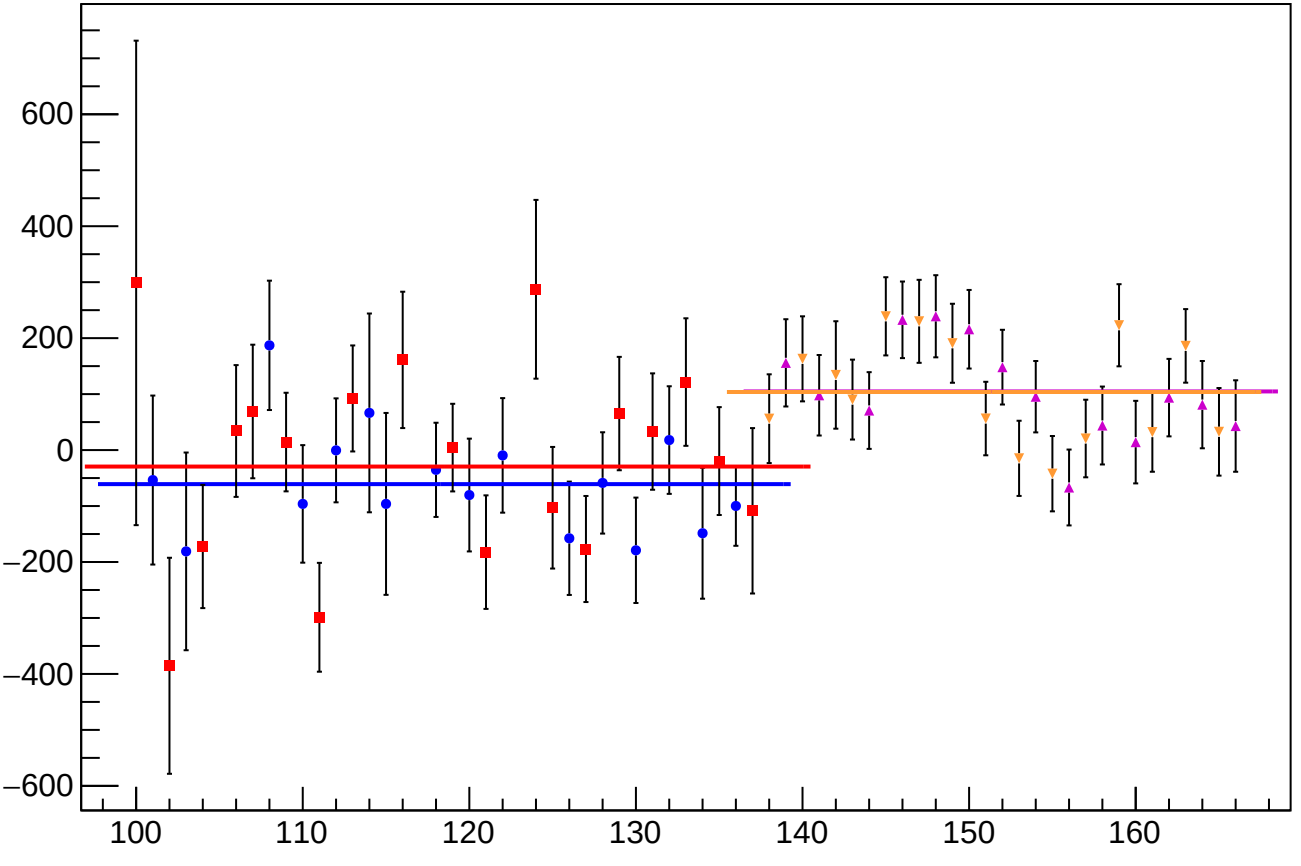
In: 0.000+/-0.000 χ^2/NDF:29.9/29

Out: -0.000+/-0.000 χ^2/NDF:27.4/33

All: 0.000+/-0.000 χ^2/NDF: 59.4/63


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:731698.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1103889.7/13
Left: 0.000+/-0.000 χ²/NDF: 1835606.4/28
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4331699.6/29
Out: 0.000+/-0.000 χ²/NDF:3098353.5/33
All: 0.000+/-0.000 χ²/NDF: 7540318.8/63

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.768+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 104.265+/-13.292 χ^2/NDF: 45.0/28

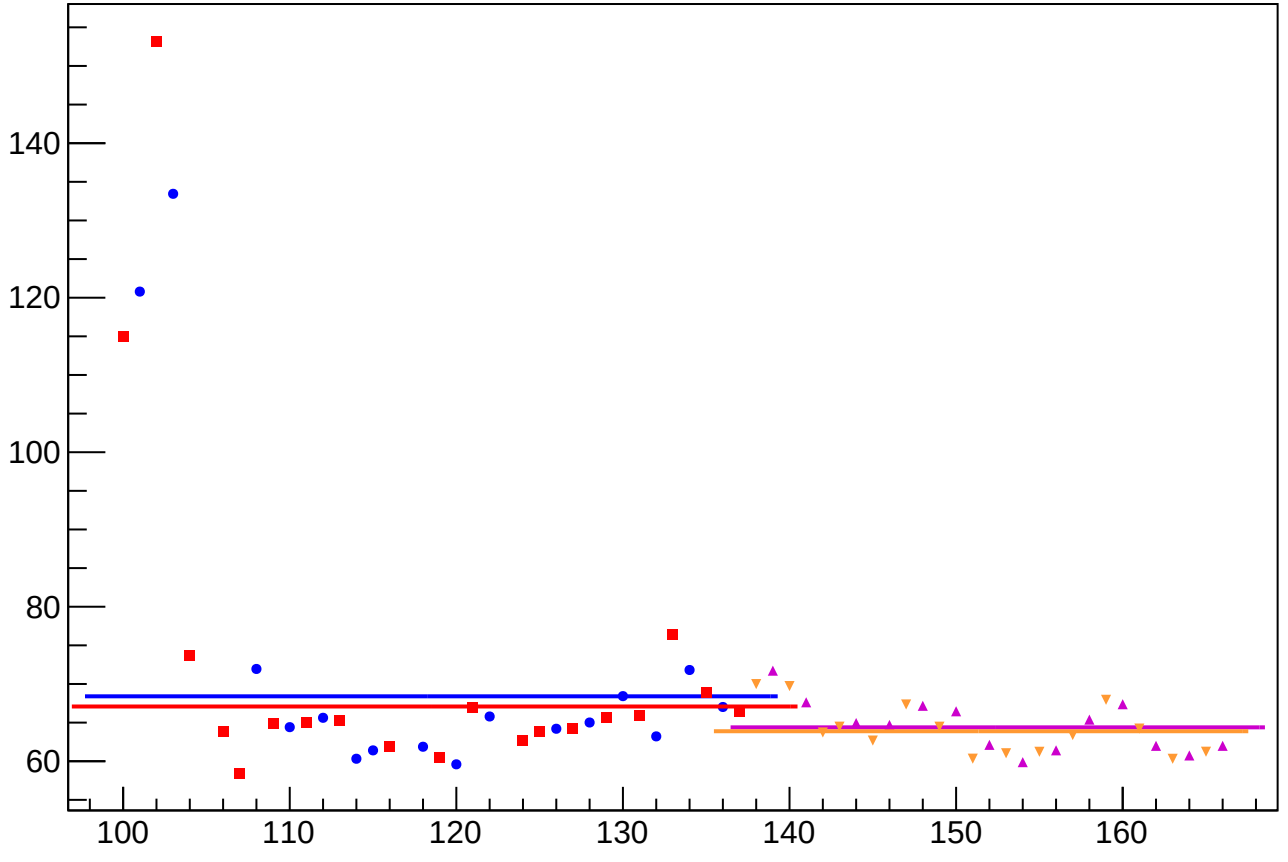
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 56.517+/-14.952 χ^2/NDF:74.5/33

All: 52.040+/-10.709 χ^2/NDF: 131.5/63

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

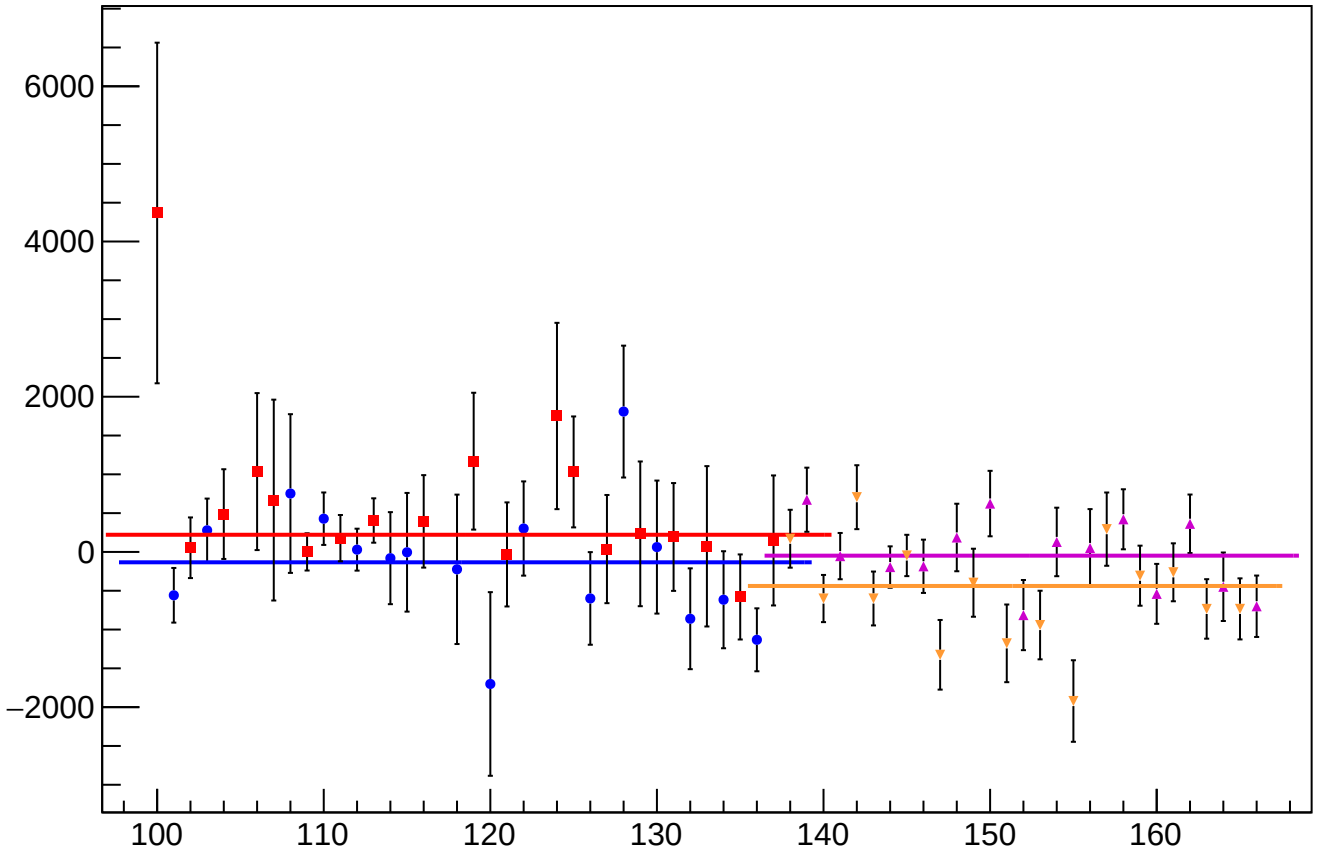
Left: 64.130+/-0.009 χ^2/NDF: 111587.3/28

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.780+/-0.011 χ^2/NDF:655491.5/29

Out: 65.019+/-0.011 χ^2/NDF:558794.9/33

All: 65.390+/-0.008 χ^2/NDF: 1216808.2/63



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -48.000+/-101.783 χ^2/NDF:17.2/13

Left: -247.497+/-71.184 χ^2/NDF: 57.1/28

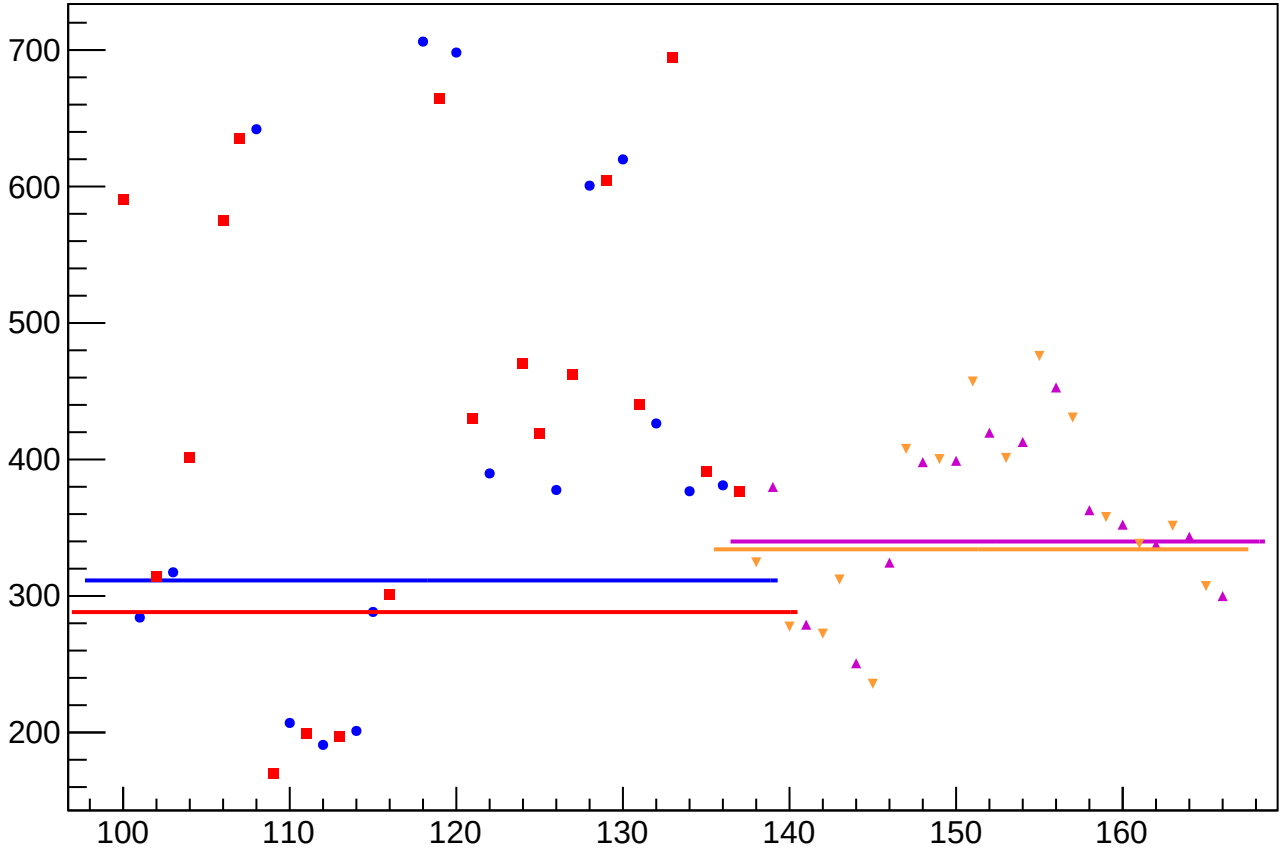
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -81.828+/-79.153 χ^2/NDF:40.0/29

Out: -163.419+/-76.049 χ^2/NDF:63.2/33

All: -124.254+/-54.839 χ^2/NDF: 103.7/63

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.187+/-0.070 χ^2/NDF:913526.3/14

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 339.917+/-0.072 χ^2/NDF:653236.1/13

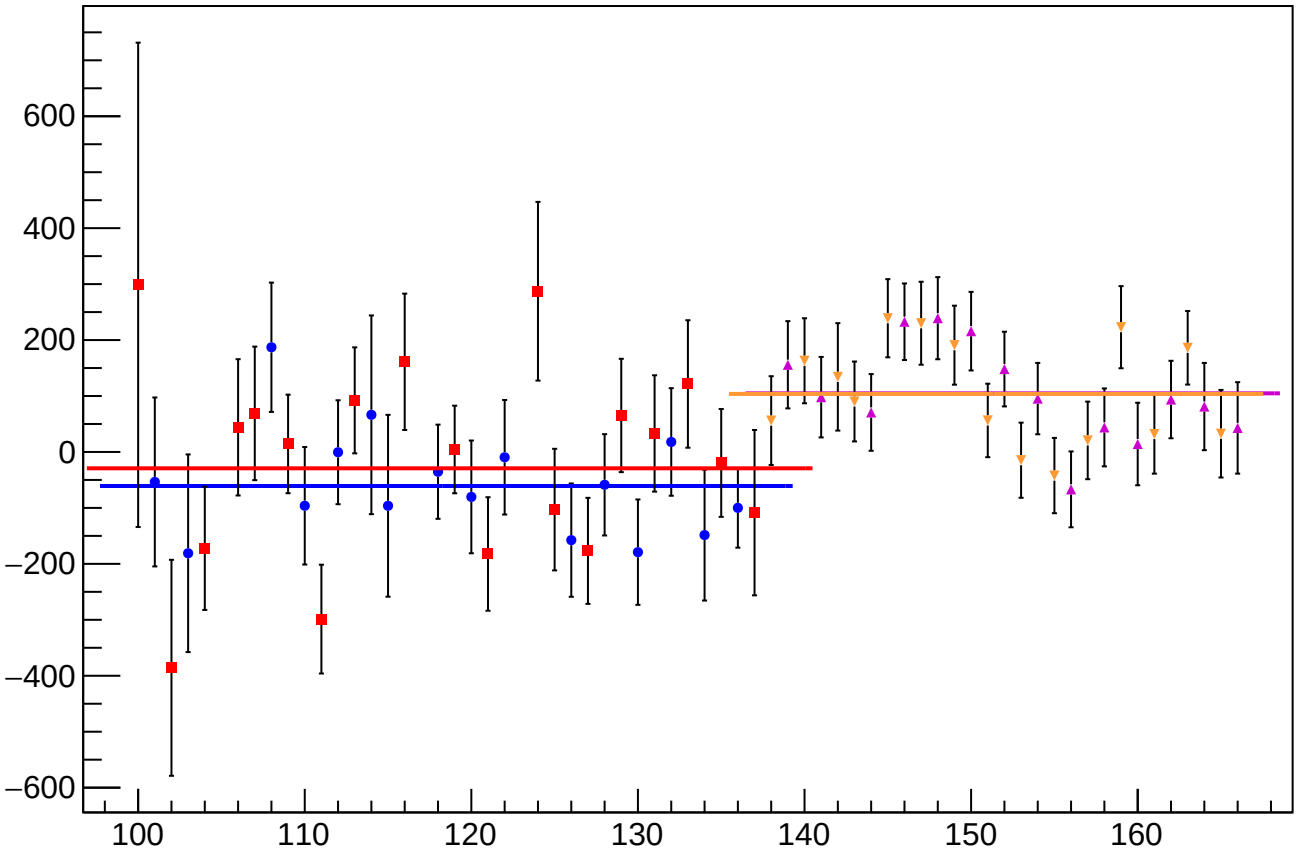
Left: 336.990+/-0.050 χ^2/NDF: 1570000.1/28

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 328.640+/-0.056 χ^2/NDF:2839143.9/29

Out: 315.017+/-0.054 χ^2/NDF:3806651.8/33

All: 321.557+/-0.039 χ^2/NDF: 6676602.3/63



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 104.266+/-13.292 χ^2/NDF: 45.0/28

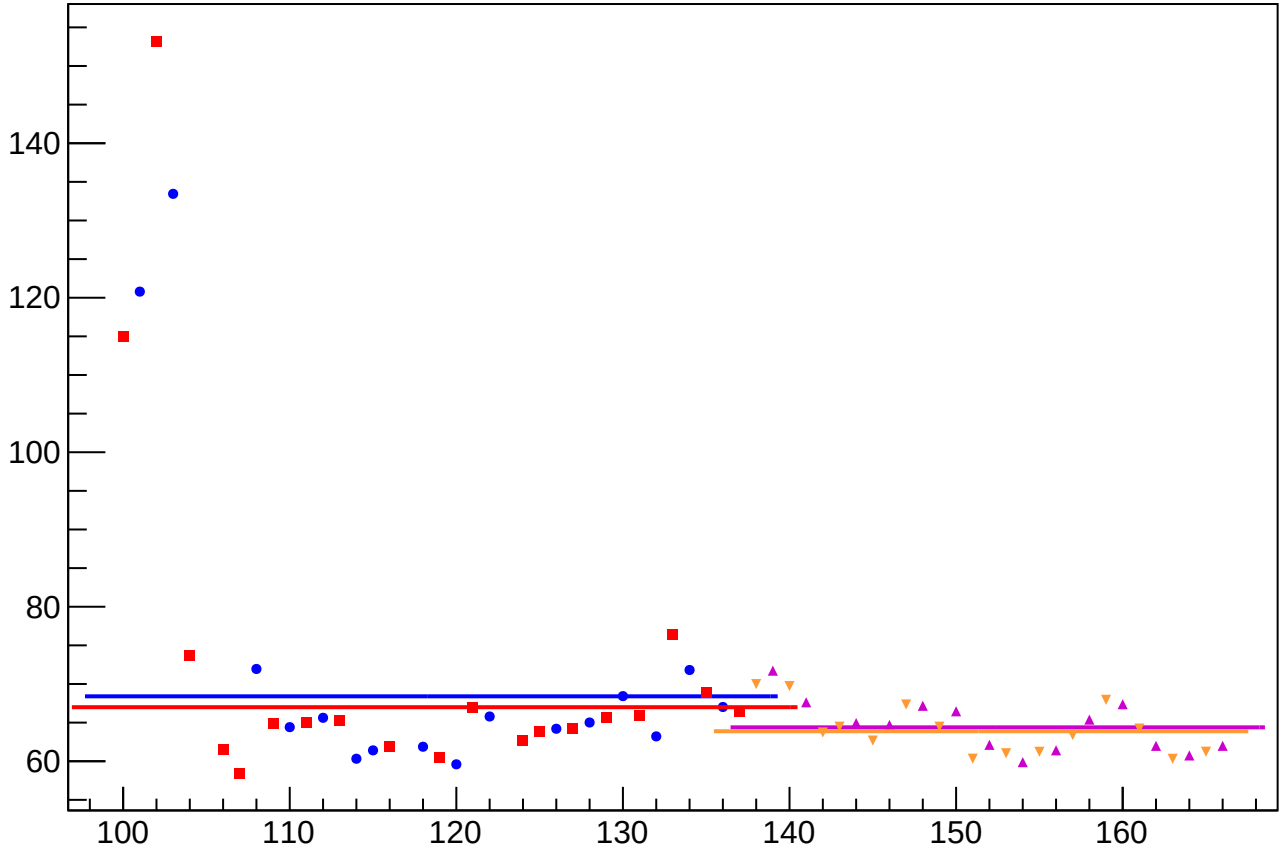
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 56.691+/-14.960 χ^2/NDF:74.5/33

All: 52.127+/-10.712 χ^2/NDF: 131.5/63

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

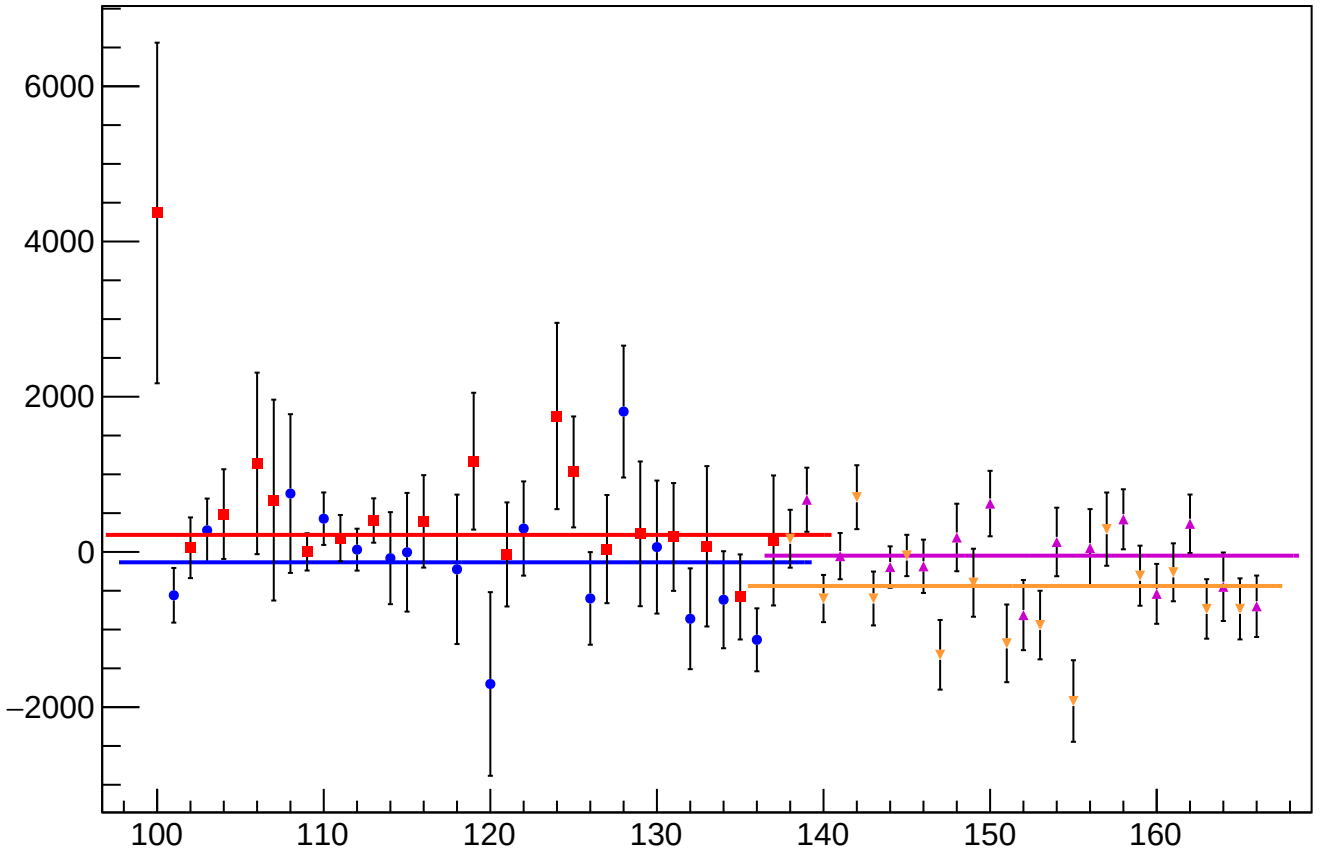
Left: 64.130+/-0.009 χ^2/NDF: 111587.2/28

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.780+/-0.011 χ^2/NDF:655491.9/29

Out: 64.985+/-0.011 χ^2/NDF:560251.3/33

All: 65.372+/-0.008 χ^2/NDF: 1218497.1/63



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -48.003+/-101.783 χ^2/NDF:17.2/13

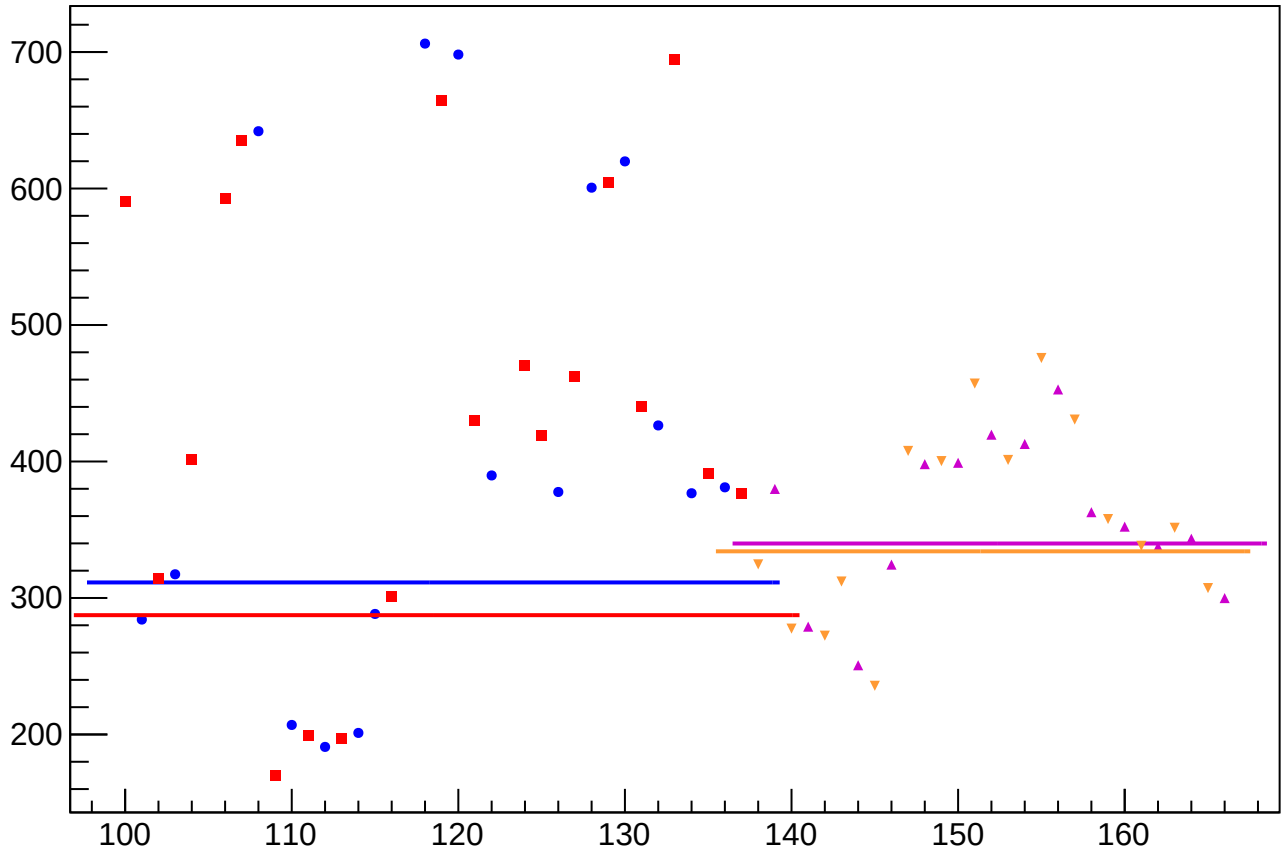
Left: -247.499+/-71.184 χ^2/NDF: 57.1/28

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -81.829+/-79.153 χ^2/NDF:40.0/29

Out: -164.693+/-76.105 χ^2/NDF:63.0/33

All: -124.887+/-54.860 χ^2/NDF: 103.5/63



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 339.917+/-0.072 χ^2/NDF:653234.0/13

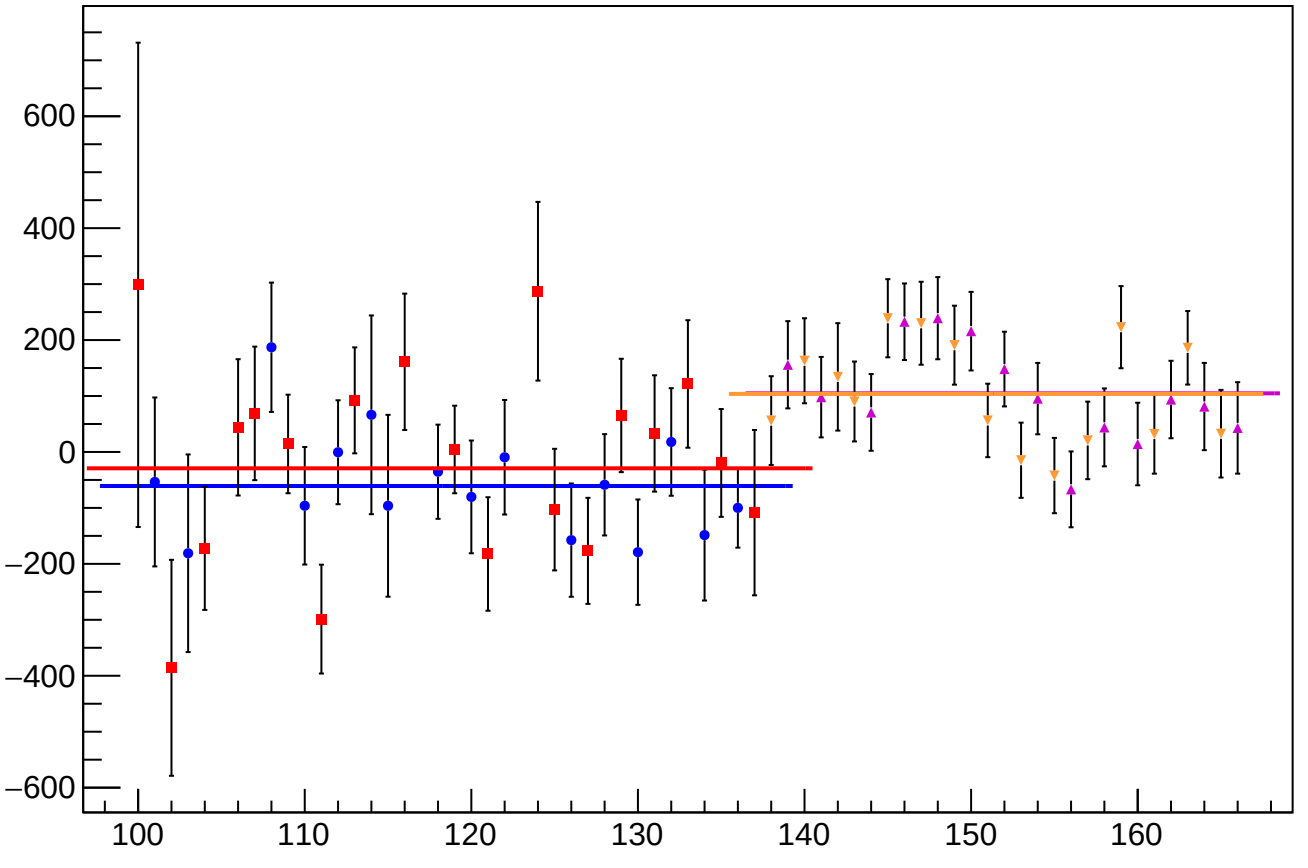
Left: 336.990+/-0.050 χ^2/NDF: 1570002.9/28

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.641+/-0.056 χ^2/NDF:2839135.1/29

Out: 314.727+/-0.054 χ^2/NDF:3787329.3/33

All: 321.411+/-0.039 χ^2/NDF: 6658579.6/63



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.782+/-18.988 χ^2/NDF:19.9/13

Left: 104.266+/-13.292 χ^2/NDF: 45.0/28

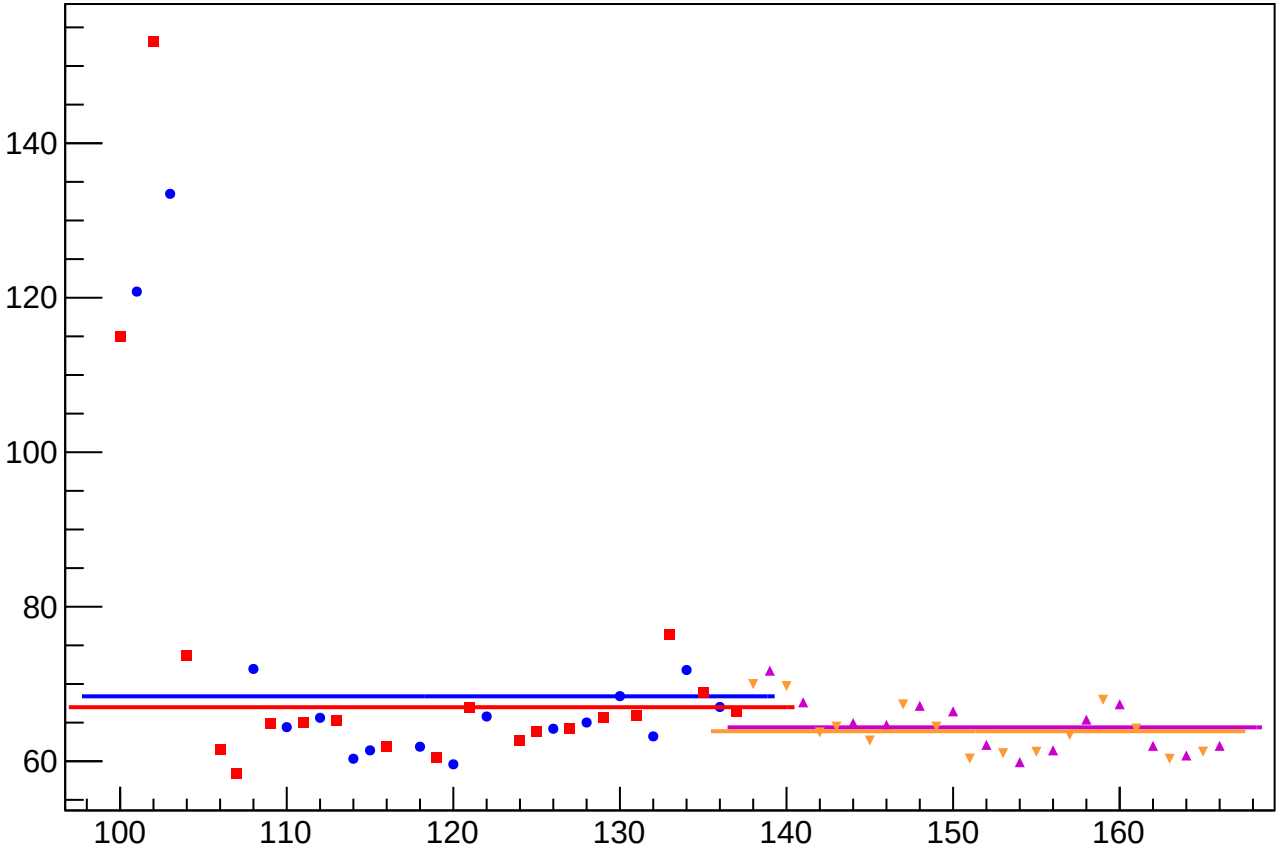
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.325+/-15.345 χ^2/NDF:56.8/29

Out: 56.691+/-14.960 χ^2/NDF:74.5/33

All: 52.127+/-10.712 χ^2/NDF: 131.5/63

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.387+/-0.013 χ^2/NDF:54889.2/13

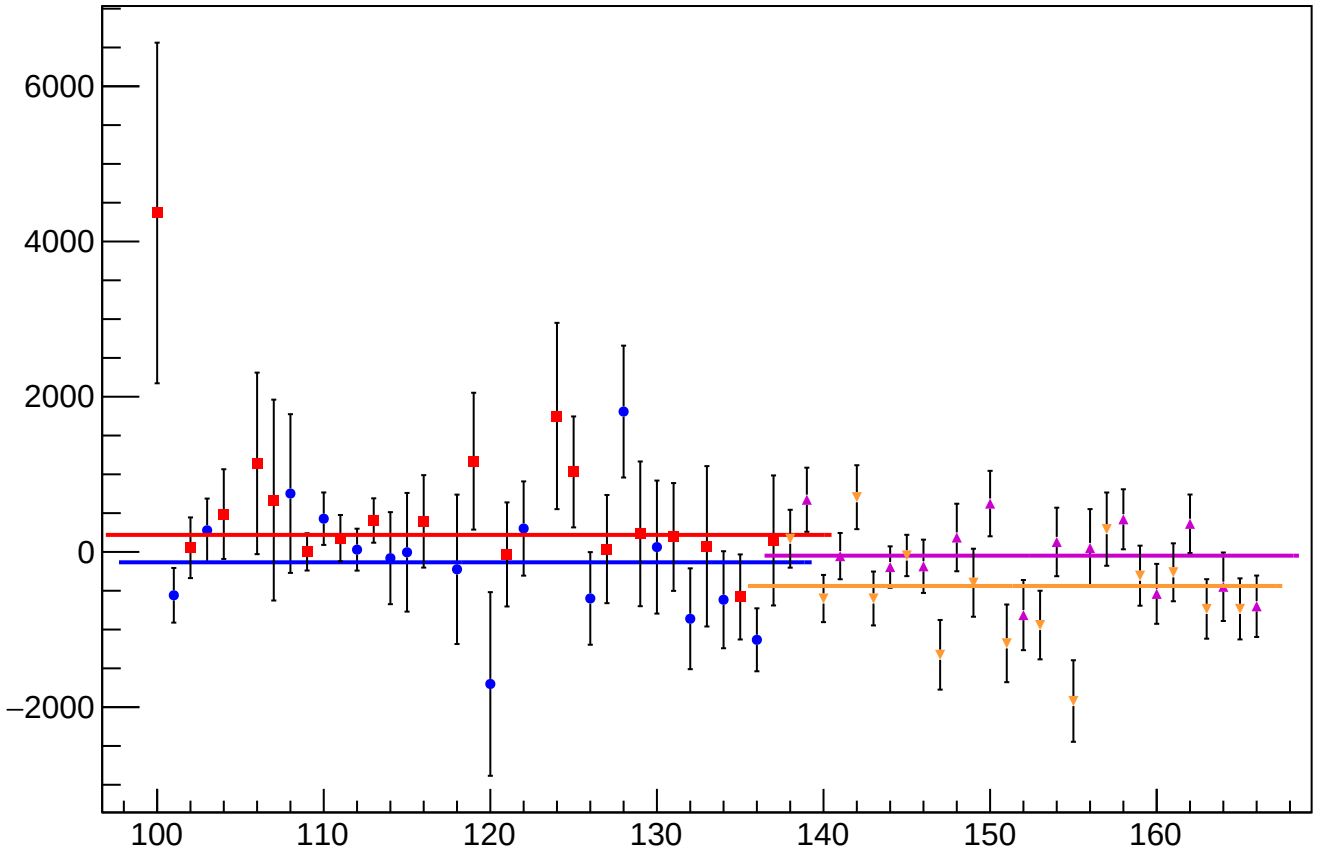
Left: 64.130+/-0.009 χ^2/NDF: 111587.2/28

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.780+/-0.011 χ^2/NDF:655491.9/29

Out: 64.985+/-0.011 χ^2/NDF:560251.3/33

All: 65.372+/-0.008 χ^2/NDF: 1218497.1/63



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -48.003+/-101.783 χ^2/NDF:17.2/13

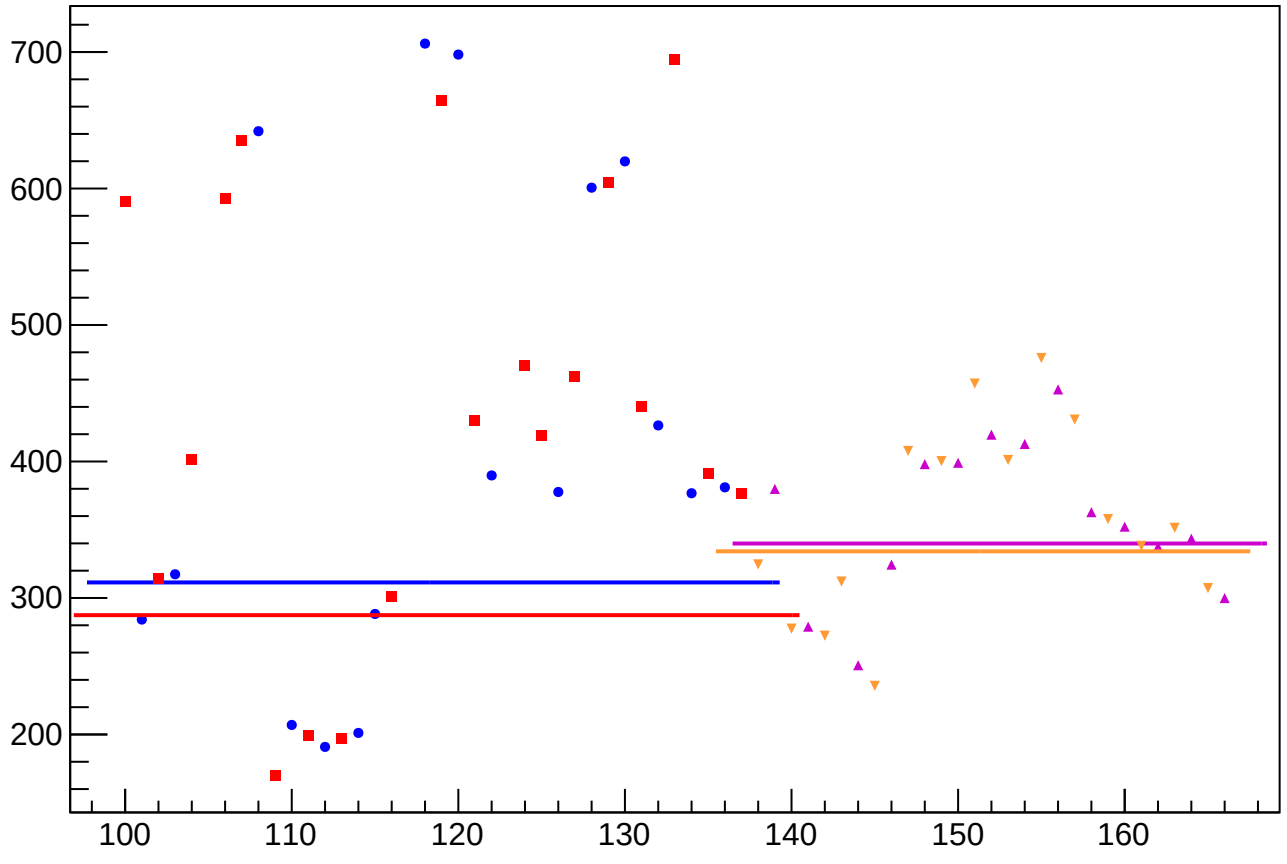
Left: -247.499+/-71.184 χ^2/NDF: 57.1/28

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -81.829+/-79.153 χ^2/NDF:40.0/29

Out: -164.693+/-76.105 χ^2/NDF:63.0/33

All: -124.887+/-54.860 χ^2/NDF: 103.5/63



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 339.917+/-0.072 χ^2/NDF:653234.0/13

Left: 336.990+/-0.050 χ^2/NDF: 1570002.9/28

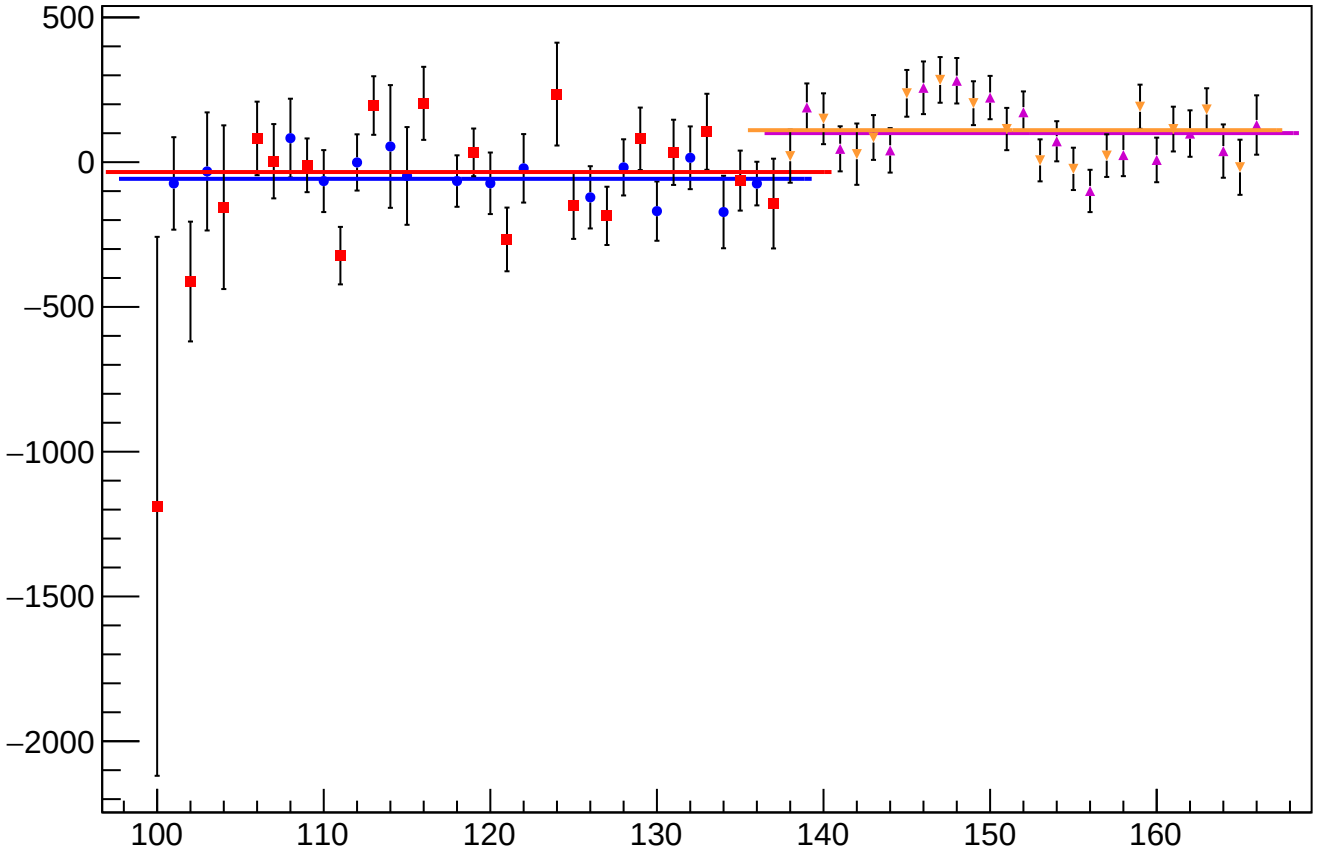
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.641+/-0.056 χ^2/NDF:2839135.1/29

Out: 314.727+/-0.054 χ^2/NDF:3787329.3/33

All: 321.411+/-0.039 χ^2/NDF: 6658579.6/63

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.396+/-21.056 χ^2/NDF:24.9/13

Left: 105.569+/-14.691 χ^2/NDF: 46.5/28

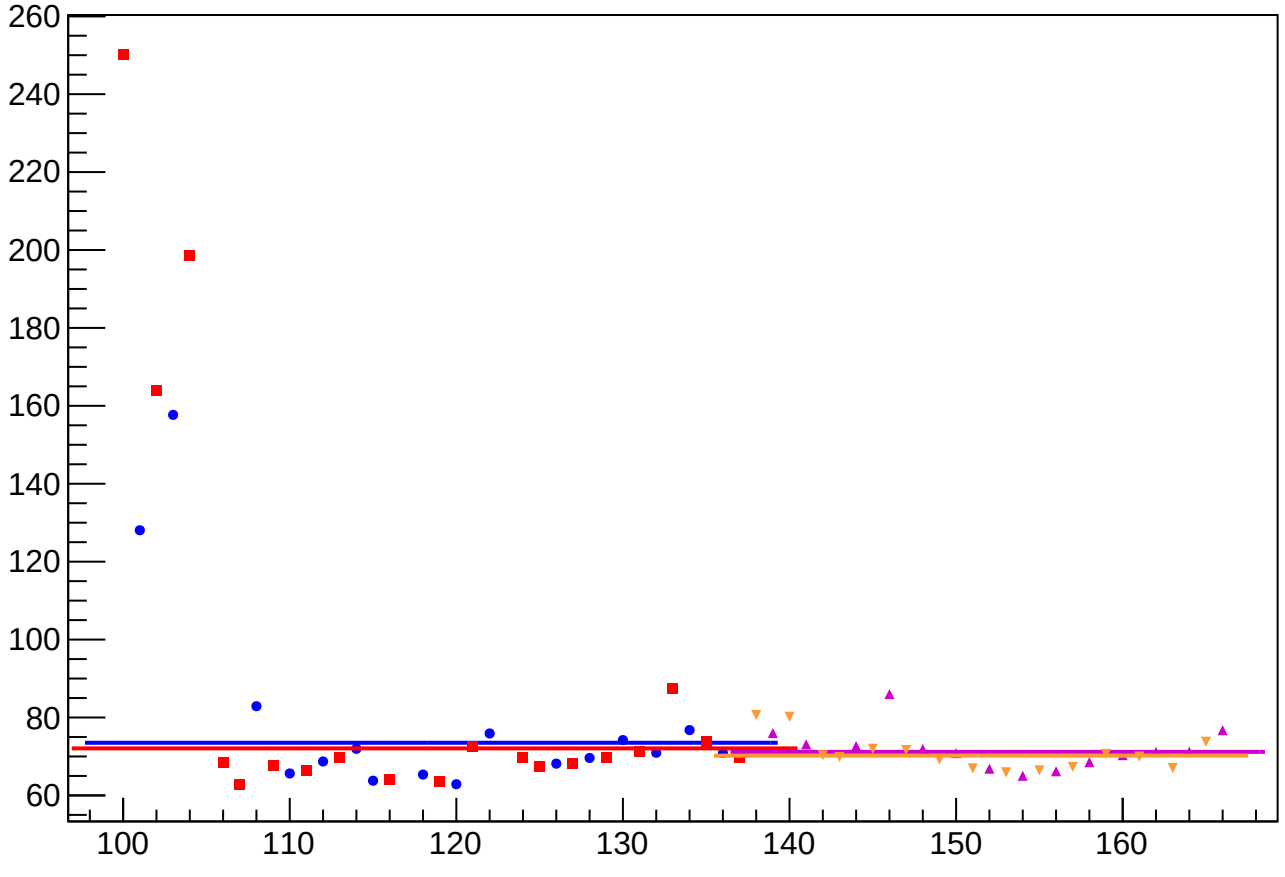
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 43.574+/-16.847 χ^2/NDF:50.0/29

Out: 58.582+/-16.418 χ^2/NDF:76.4/33

All: 51.272+/-11.758 χ^2/NDF: 126.8/63

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.7/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 71.179+/-0.015 χ^2/NDF:103243.6/13

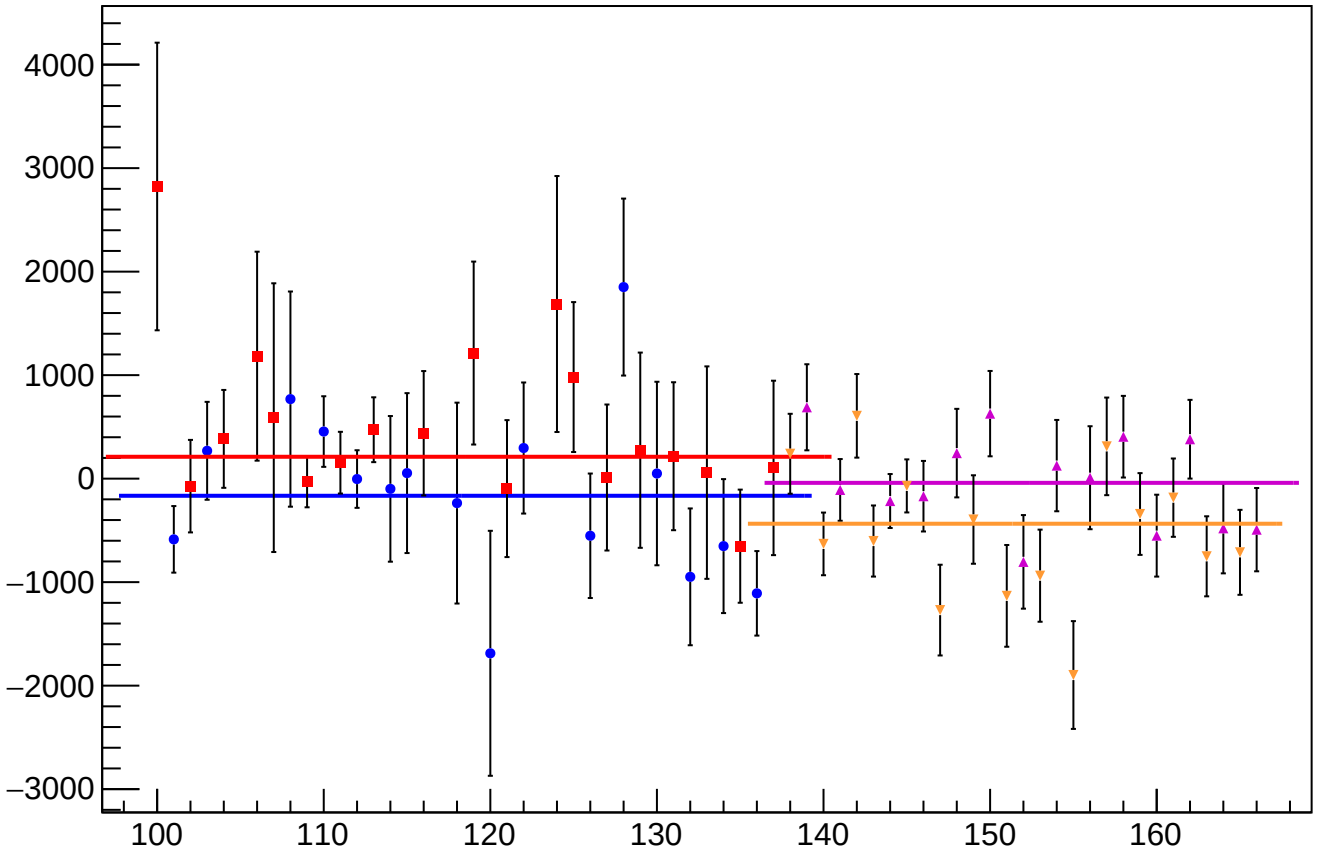
Left: 70.679+/-0.010 χ^2/NDF: 185083.6/28

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.021+/-0.012 χ^2/NDF:768975.3/29

Out: 70.876+/-0.012 χ^2/NDF:1044103.2/33

All: 71.434+/-0.008 χ^2/NDF: 1817822.0/63



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -435.670+/-99.251 χ^2/NDF:31.3/14

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -40.654+/-101.565 χ^2/NDF:16.3/13

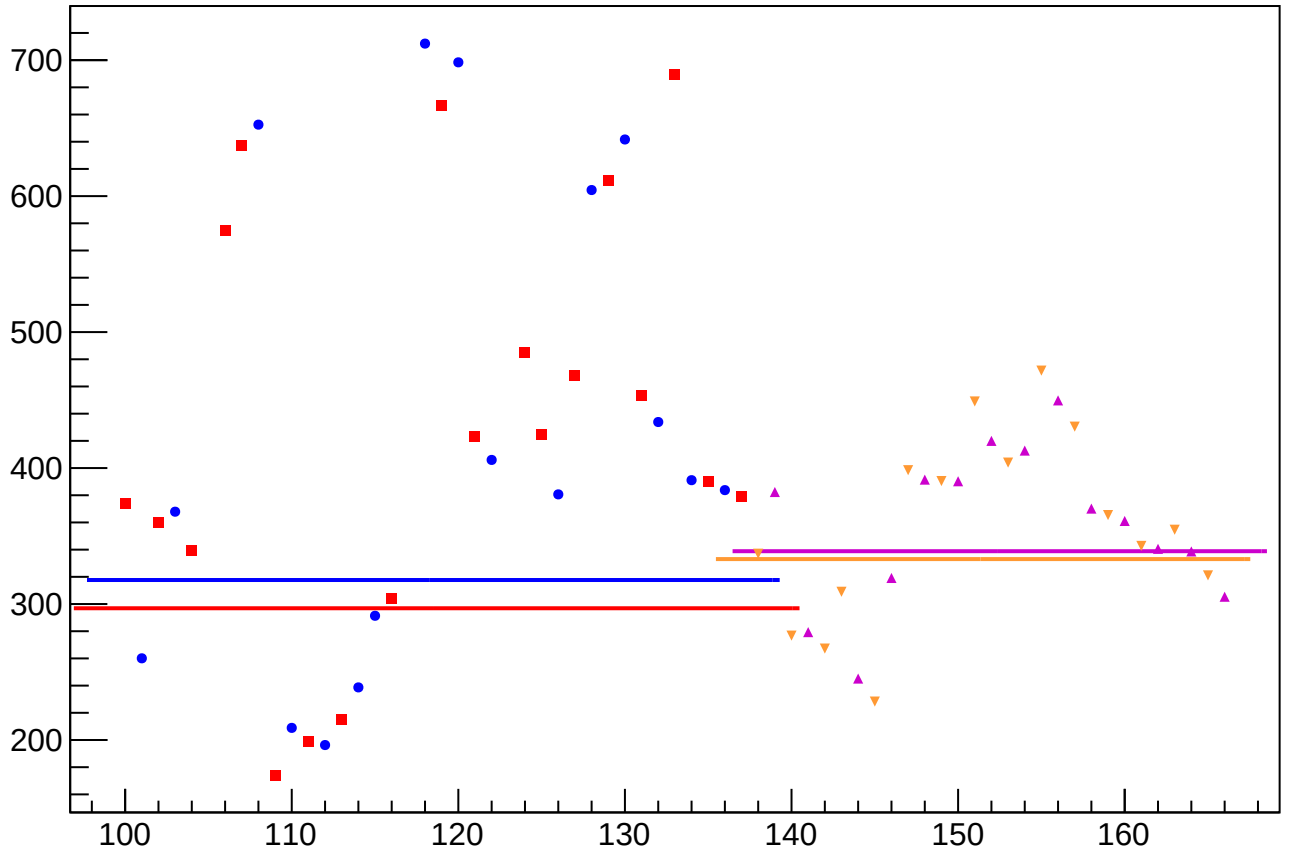
Left: -242.713+/-70.985 χ^2/NDF: 55.3/28

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -88.687+/-79.666 χ^2/NDF:39.5/29

Out: -173.164+/-76.513 χ^2/NDF:62.2/33

All: -132.631+/-55.184 χ^2/NDF: 102.3/63



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.054+/-0.070 χ^2/NDF:958874.7/14

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 338.850+/-0.072 χ^2/NDF:680666.5/13

Left: 335.885+/-0.050 χ^2/NDF: 1642872.3/28

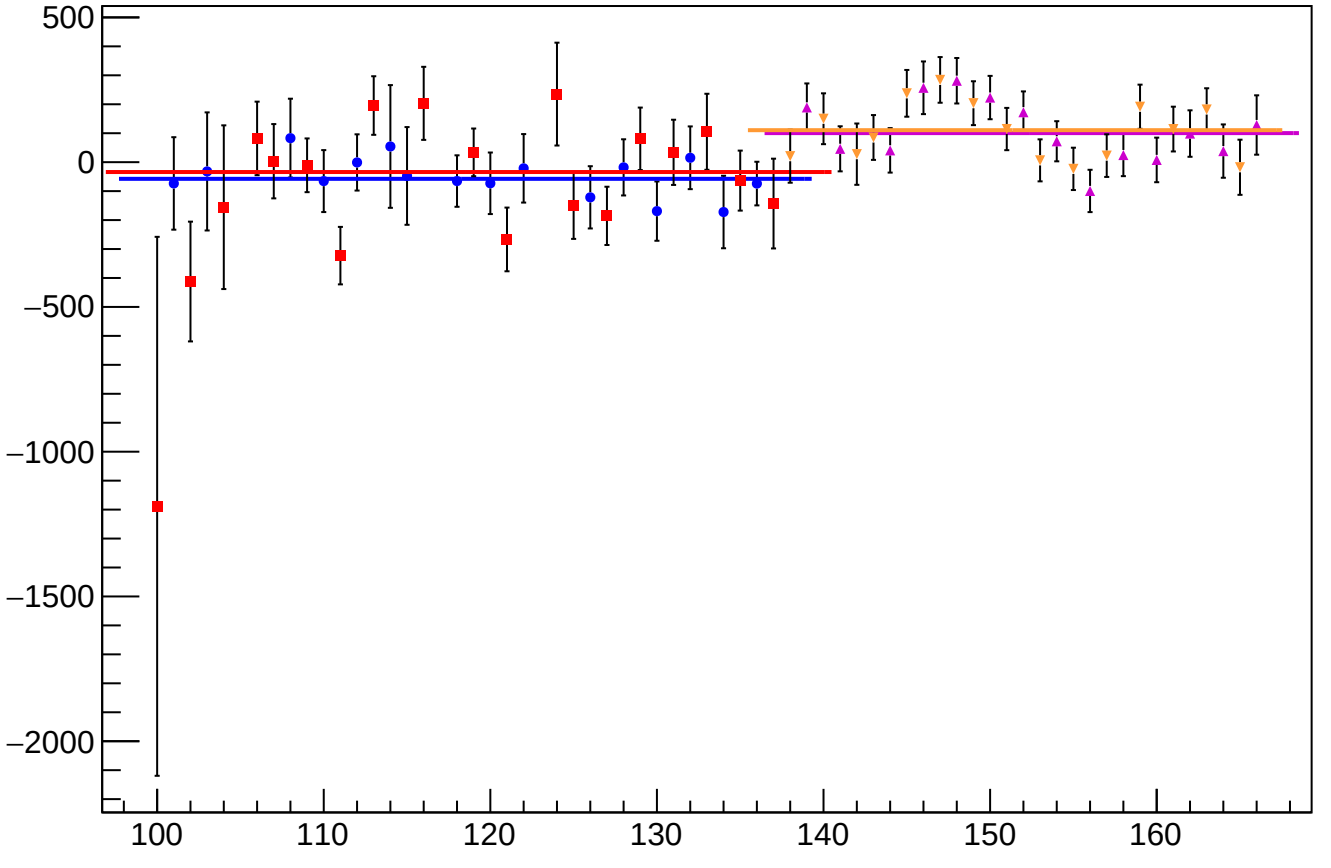
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 330.699+/-0.056 χ^2/NDF:2850339.5/29

Out: 318.381+/-0.054 χ^2/NDF:3607656.1/33

All: 324.291+/-0.039 χ^2/NDF: 6482866.8/63

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.395+/-21.056 χ^2/NDF:24.9/13

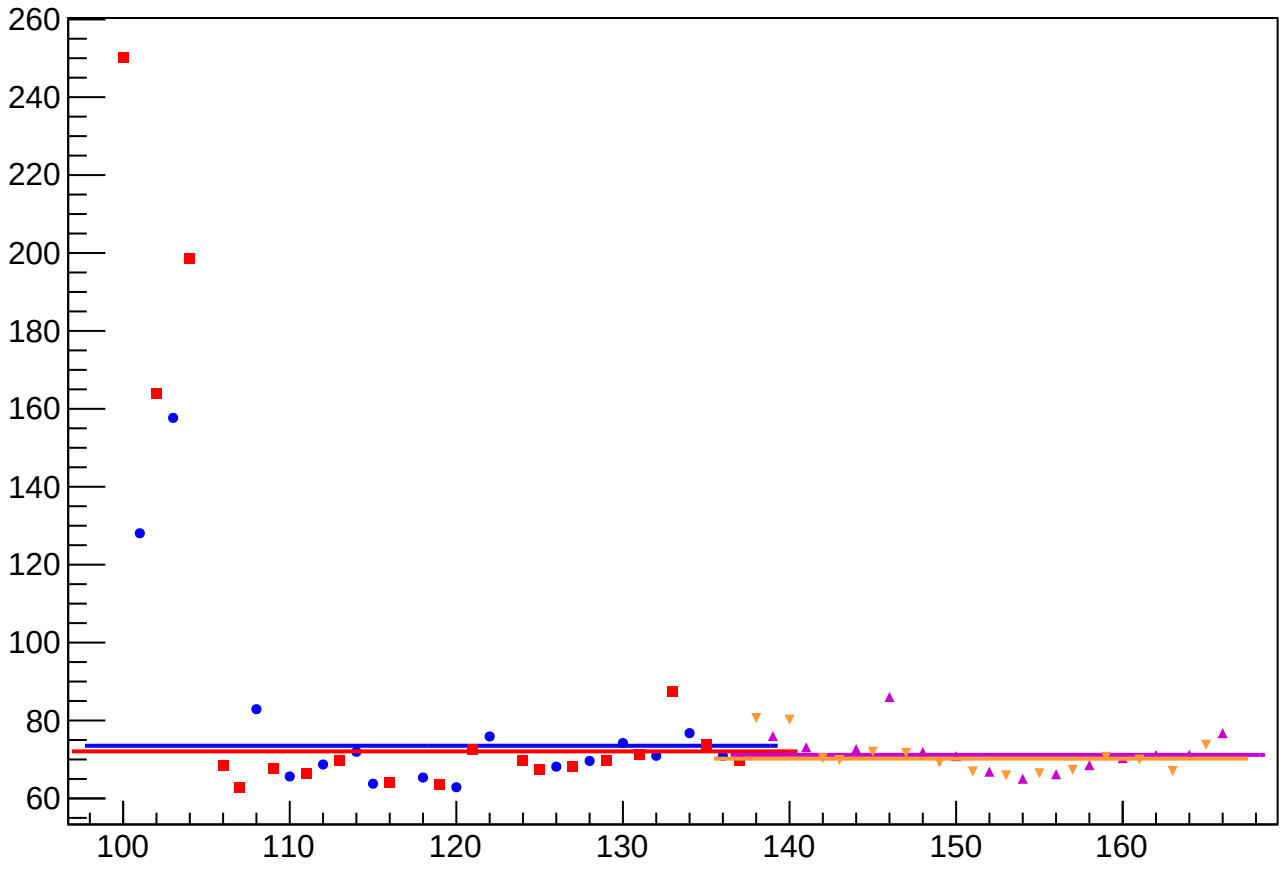
Left: 105.569+/-14.691 χ^2/NDF: 46.5/28

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 43.574+/-16.847 χ^2/NDF:50.0/29

Out: 58.582+/-16.418 χ^2/NDF:76.4/33

All: 51.272+/-11.758 χ^2/NDF: 126.8/63



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.0/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 71.179+/-0.015 χ^2/NDF:103244.1/13

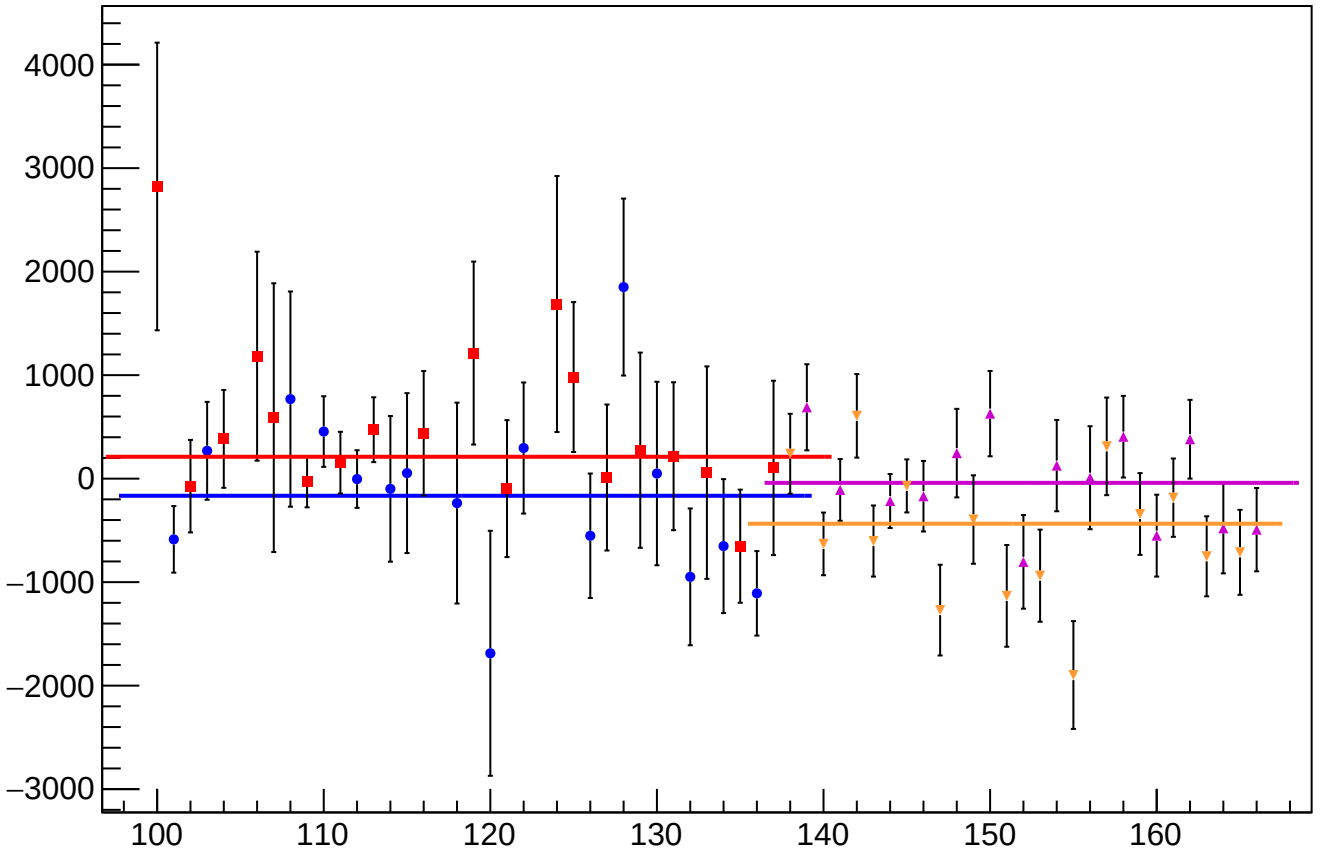
Left: 70.679+/-0.010 χ^2/NDF: 185083.4/28

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.021+/-0.012 χ^2/NDF:768976.5/29

Out: 70.876+/-0.012 χ^2/NDF:1044103.2/33

All: 71.434+/-0.008 χ^2/NDF: 1817823.1/63



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -435.669+/-99.251 χ^2/NDF:31.3/14

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -40.655+/-101.565 χ^2/NDF:16.3/13

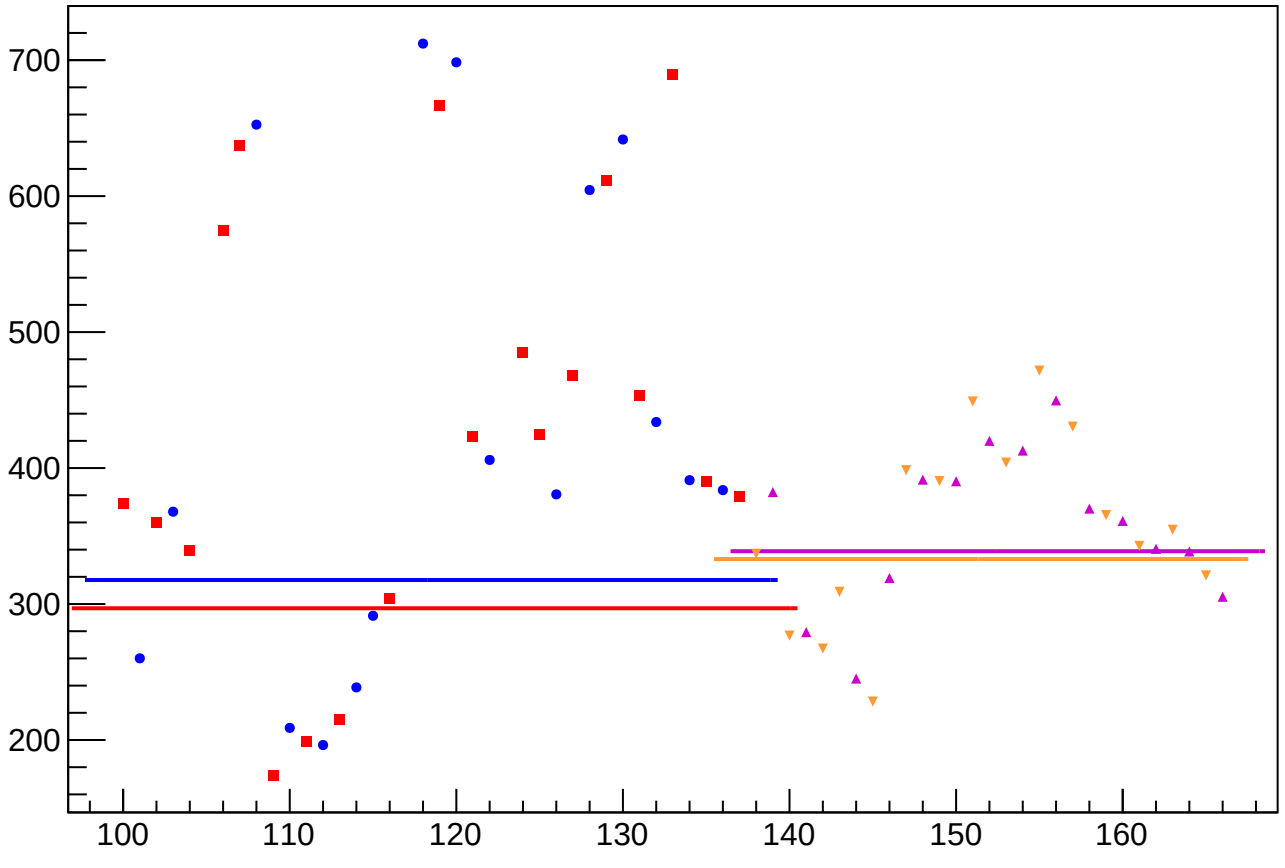
Left: -242.713+/-70.985 χ^2/NDF: 55.3/28

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -88.687+/-79.666 χ^2/NDF:39.5/29

Out: -173.163+/-76.512 χ^2/NDF:62.2/33

All: -132.630+/-55.184 χ^2/NDF: 102.3/63



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.054+/-0.070 χ^2/NDF:958885.9/14

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 338.849+/-0.072 χ^2/NDF:680672.0/13

Left: 335.885+/-0.050 χ^2/NDF: 1642889.3/28

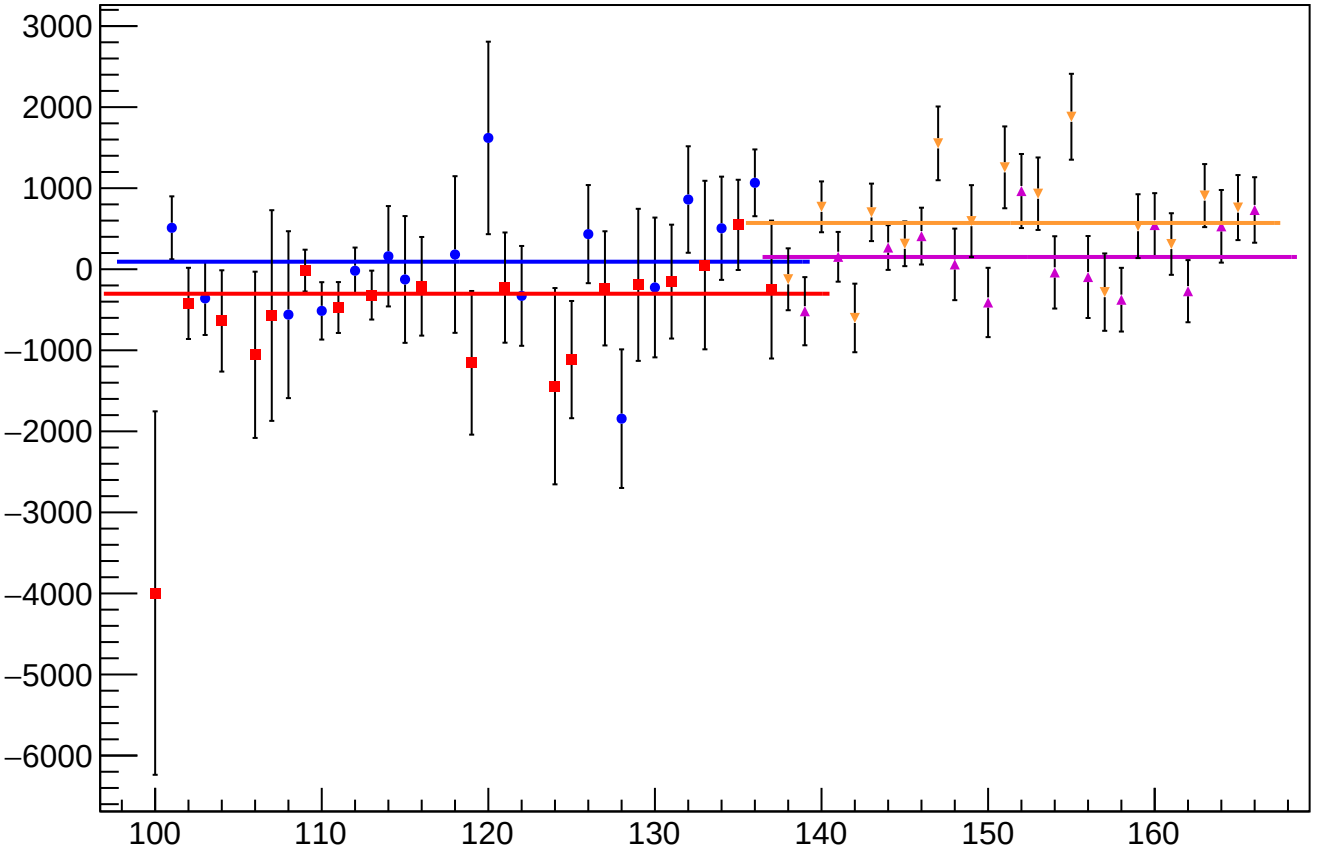
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 330.697+/-0.056 χ^2/NDF:2850384.1/29

Out: 318.380+/-0.054 χ^2/NDF:3607685.2/33

All: 324.290+/-0.039 χ^2/NDF: 6482939.9/63

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 570.972+/-101.709 χ^2/NDF:30.3/14

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 151.306+/-103.843 χ^2/NDF:15.4/13

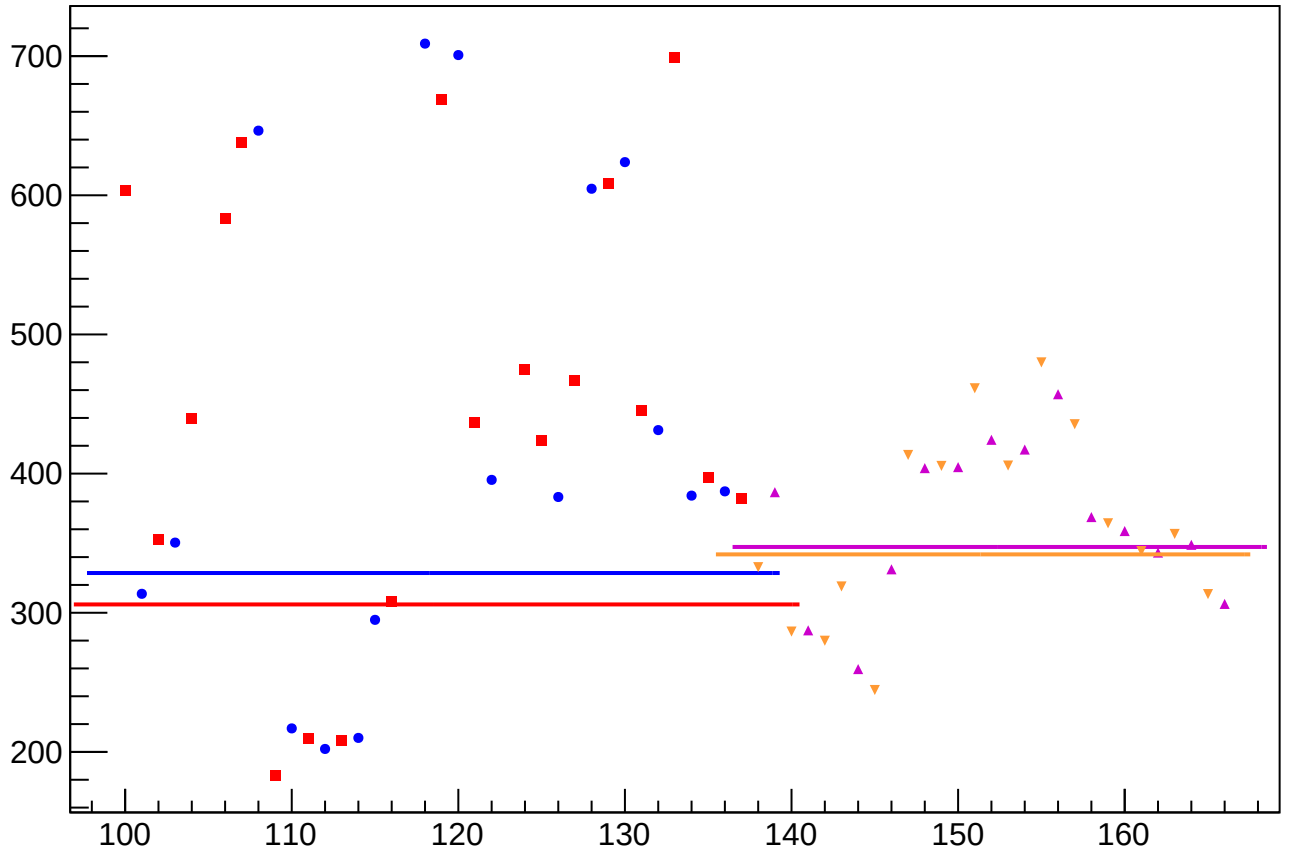
Left: 365.496+/-72.662 χ^2/NDF: 54.1/28

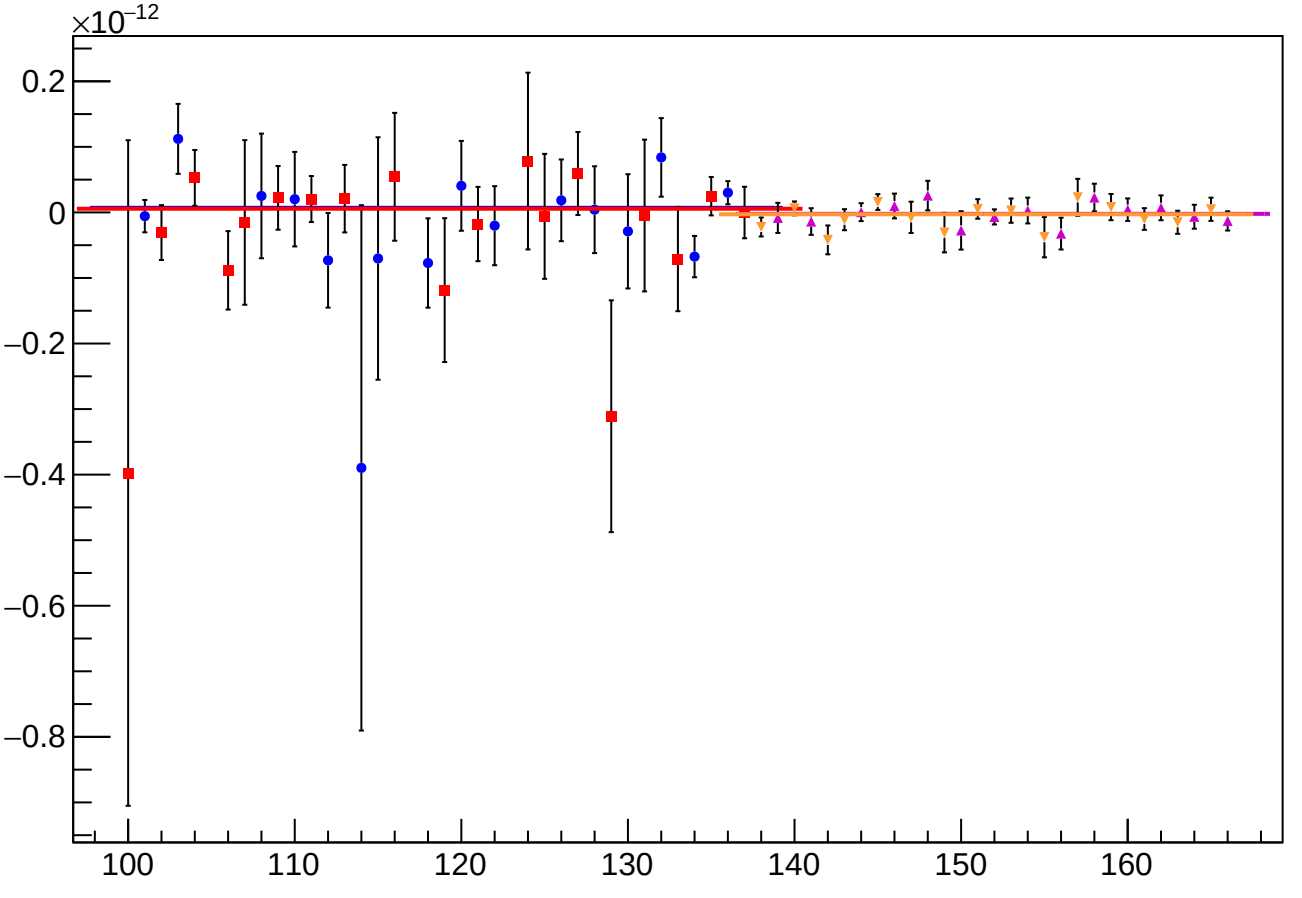
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 128.926+/-81.598 χ^2/NDF:36.3/29

Out: 219.476+/-78.618 χ^2/NDF:70.8/33

All: 175.884+/-56.615 χ^2/NDF: 107.8/63


asym_sam7_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 328.567+/-0.093 χ²/NDF: 1958873.4/15
Left Out: 341.955+/-0.072 χ²/NDF:839507.7/14
Right Out: 305.988+/-0.088 χ²/NDF: 2527463.5/18
Left In: 347.290+/-0.073 χ²/NDF:597974.9/13
Left: 344.567+/-0.051 χ²/NDF: 1440177.4/28
Right: 316.571+/-0.064 χ²/NDF: 4517458.9/34
In: 340.128+/-0.058 χ²/NDF:2581722.6/29
Out: 327.478+/-0.056 χ²/NDF:3467640.0/33
All: 333.567+/-0.040 χ²/NDF: 6074290.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/13

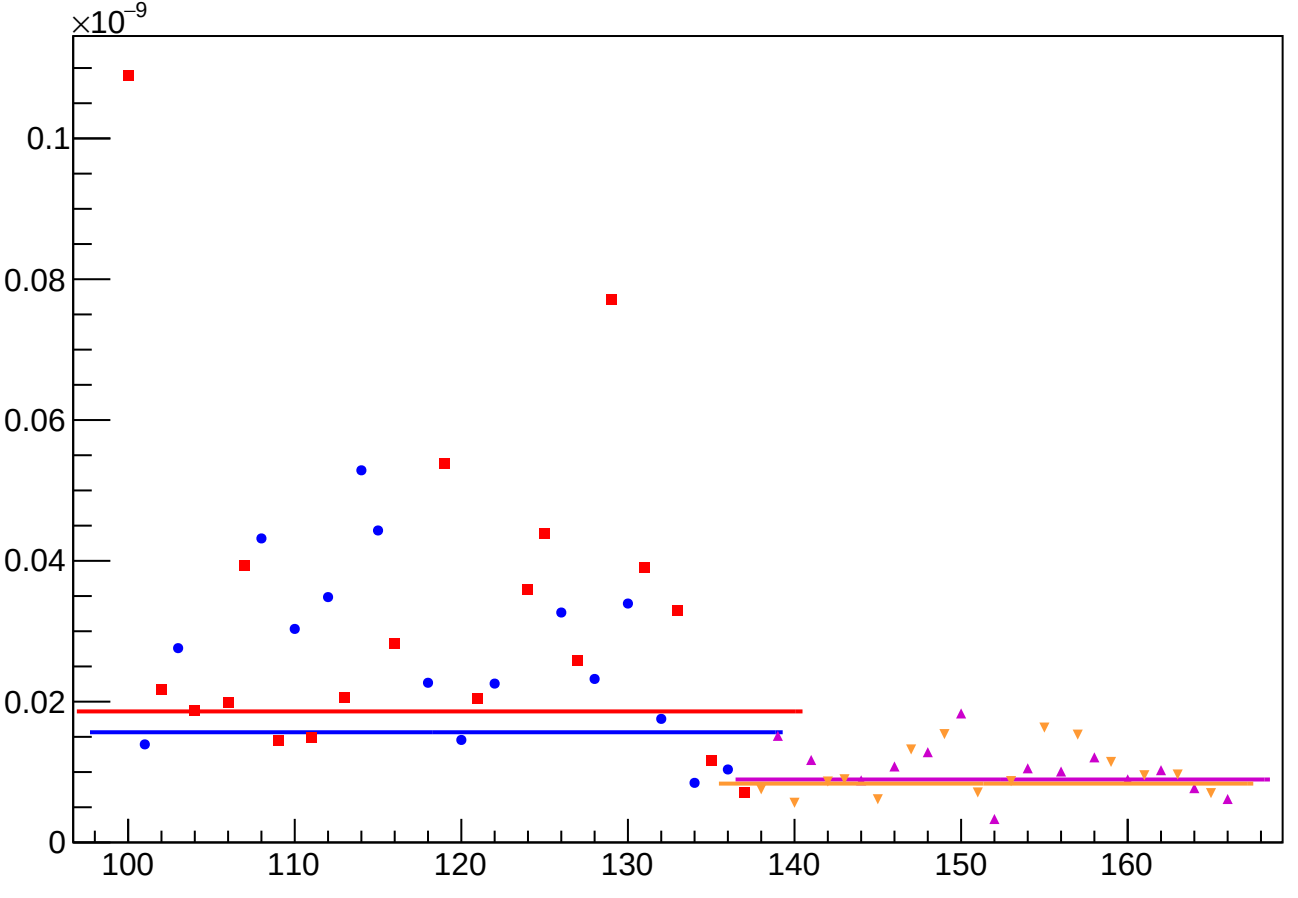
Left: -0.000+/-0.000 χ^2/NDF: 20.2/28

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:25.6/29

Out: -0.000+/-0.000 χ^2/NDF:26.1/33

All: -0.000+/-0.000 χ^2/NDF: 51.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:751739.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1091308.4/13

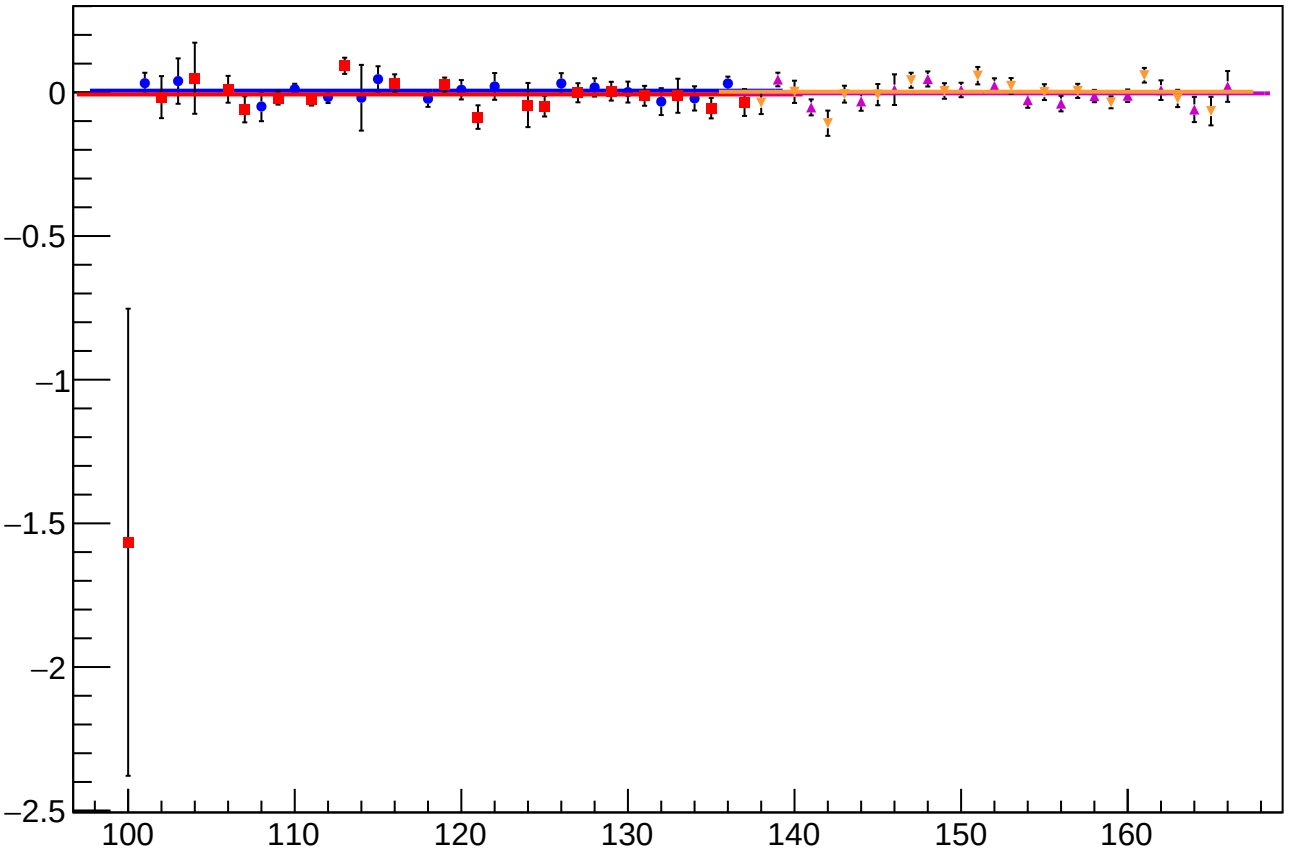
Left: 0.000+/-0.000 χ^2/NDF: 1859113.6/28

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2885953.5/29

Out: 0.000+/-0.000 χ^2/NDF:3122920.7/33

All: 0.000+/-0.000 χ^2/NDF: 6027709.7/63



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

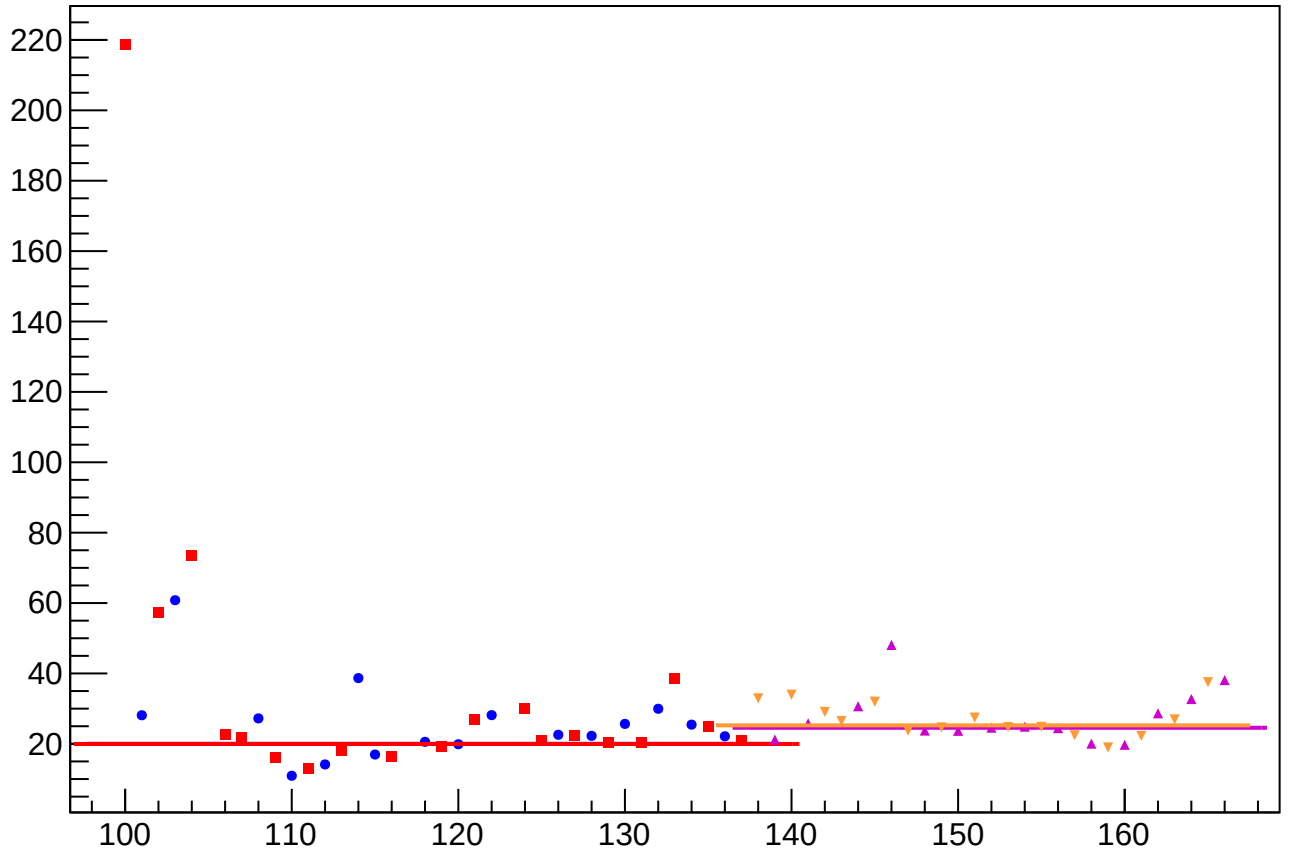
Left: -0.001+/-0.005 χ^2/NDF: 42.2/28

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.2/63



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.565+/-0.005 χ^2/NDF:920191.9/13

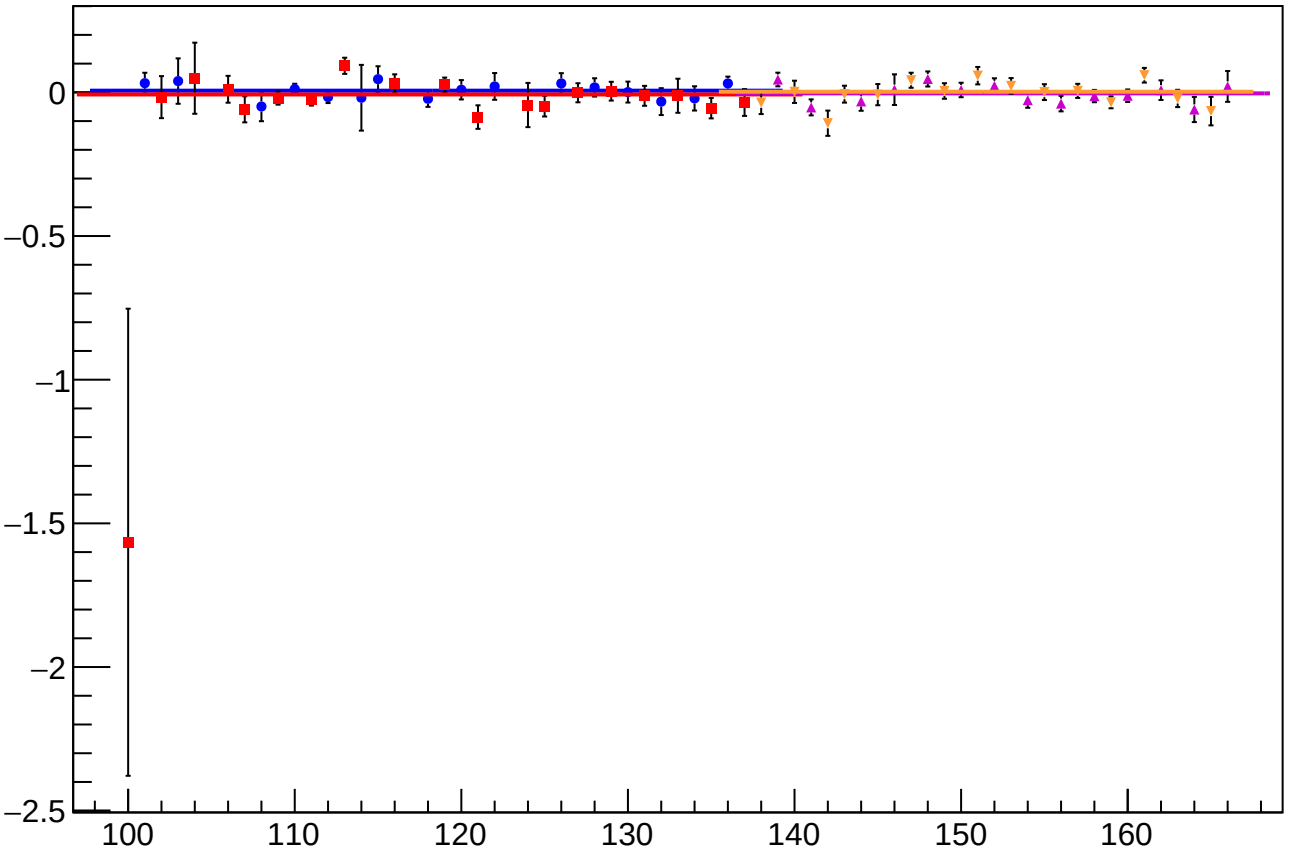
Left: 24.906+/-0.004 χ^2/NDF: 1577388.9/28

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.464+/-0.004 χ^2/NDF:2898794.9/29

Out: 22.775+/-0.004 χ^2/NDF:2819905.2/33

All: 22.620+/-0.003 χ^2/NDF: 5721858.0/63



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

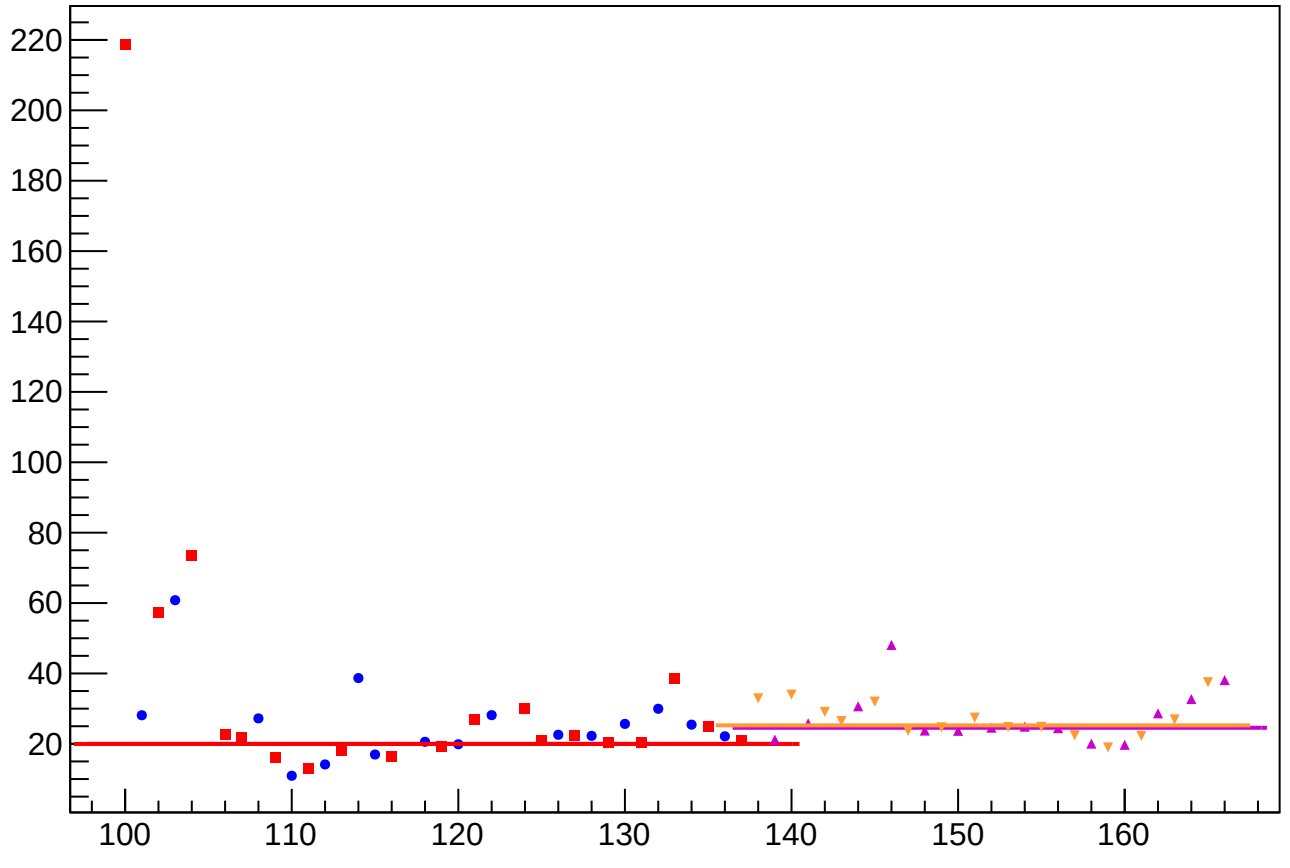
Left: -0.001+/-0.005 χ^2/NDF: 42.2/28

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.2/63



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.565+/-0.005 χ^2/NDF:920191.9/13

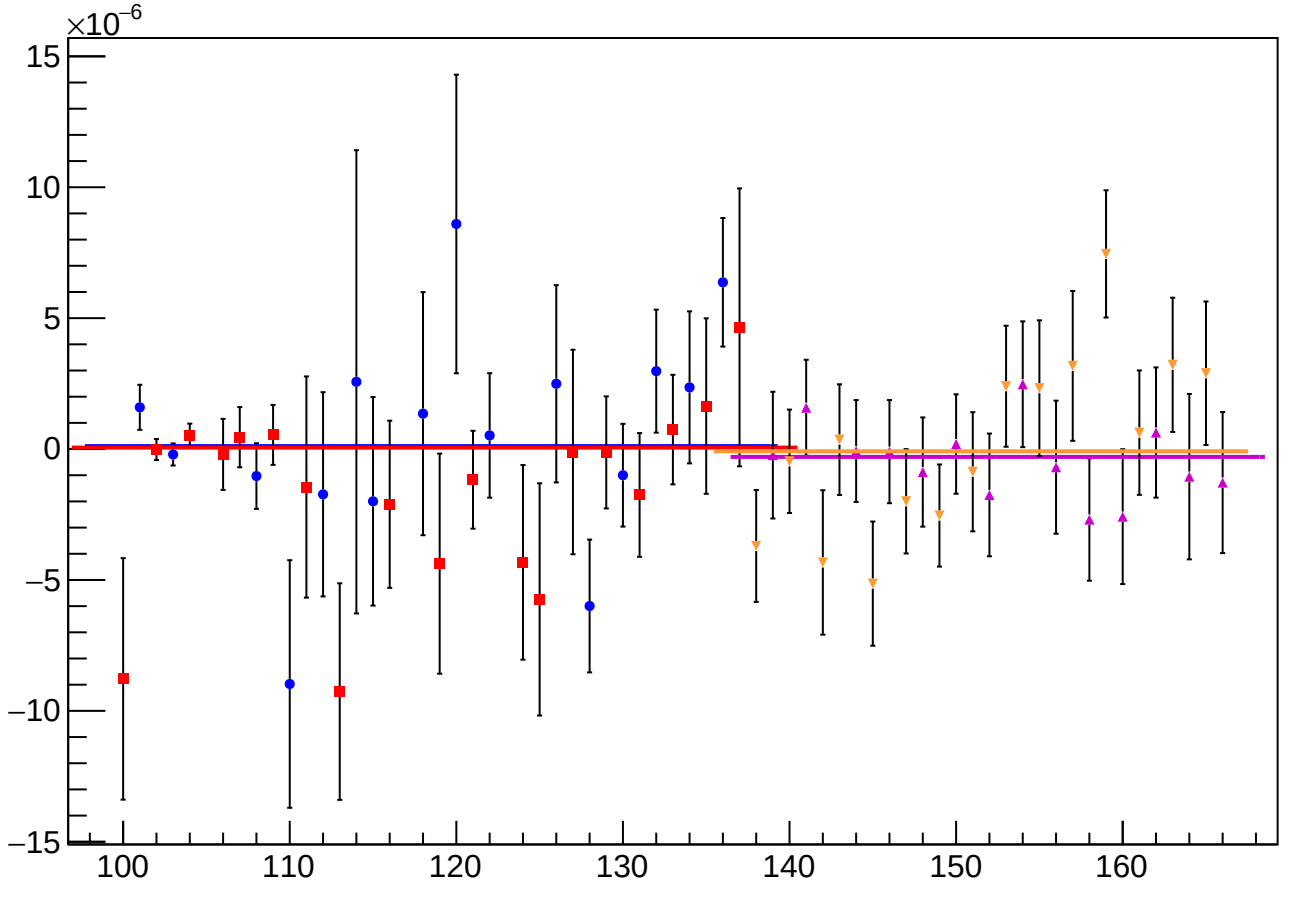
Left: 24.906+/-0.004 χ^2/NDF: 1577388.9/28

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.464+/-0.004 χ^2/NDF:2898794.9/29

Out: 22.775+/-0.004 χ^2/NDF:2819905.2/33

All: 22.620+/-0.003 χ^2/NDF: 5721858.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/13

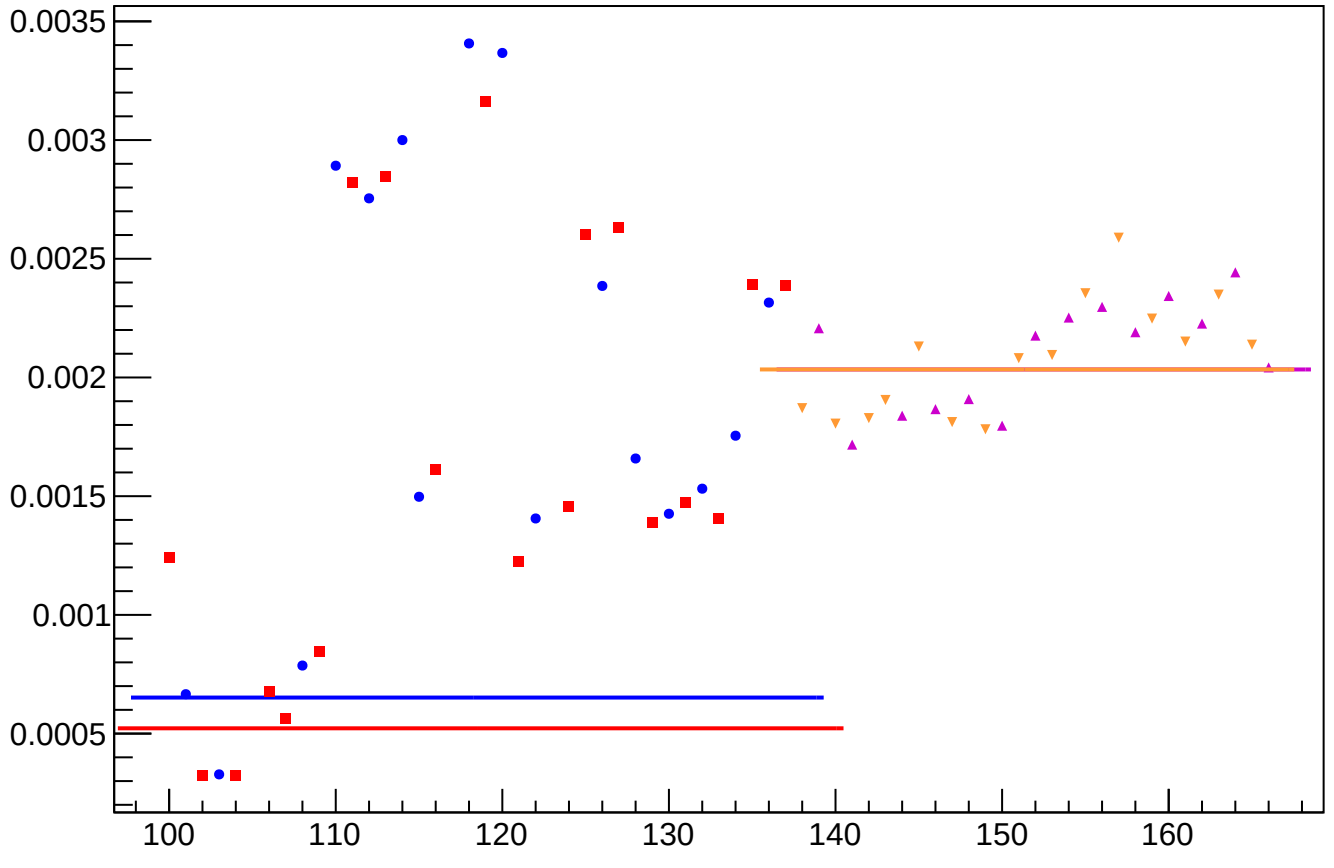
Left: -0.000+/-0.000 χ^2/NDF: 33.6/28

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.5/29

Out: 0.000+/-0.000 χ^2/NDF:45.5/33

All: 0.000+/-0.000 χ^2/NDF: 77.0/63



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:279959.7/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:271780.8/13

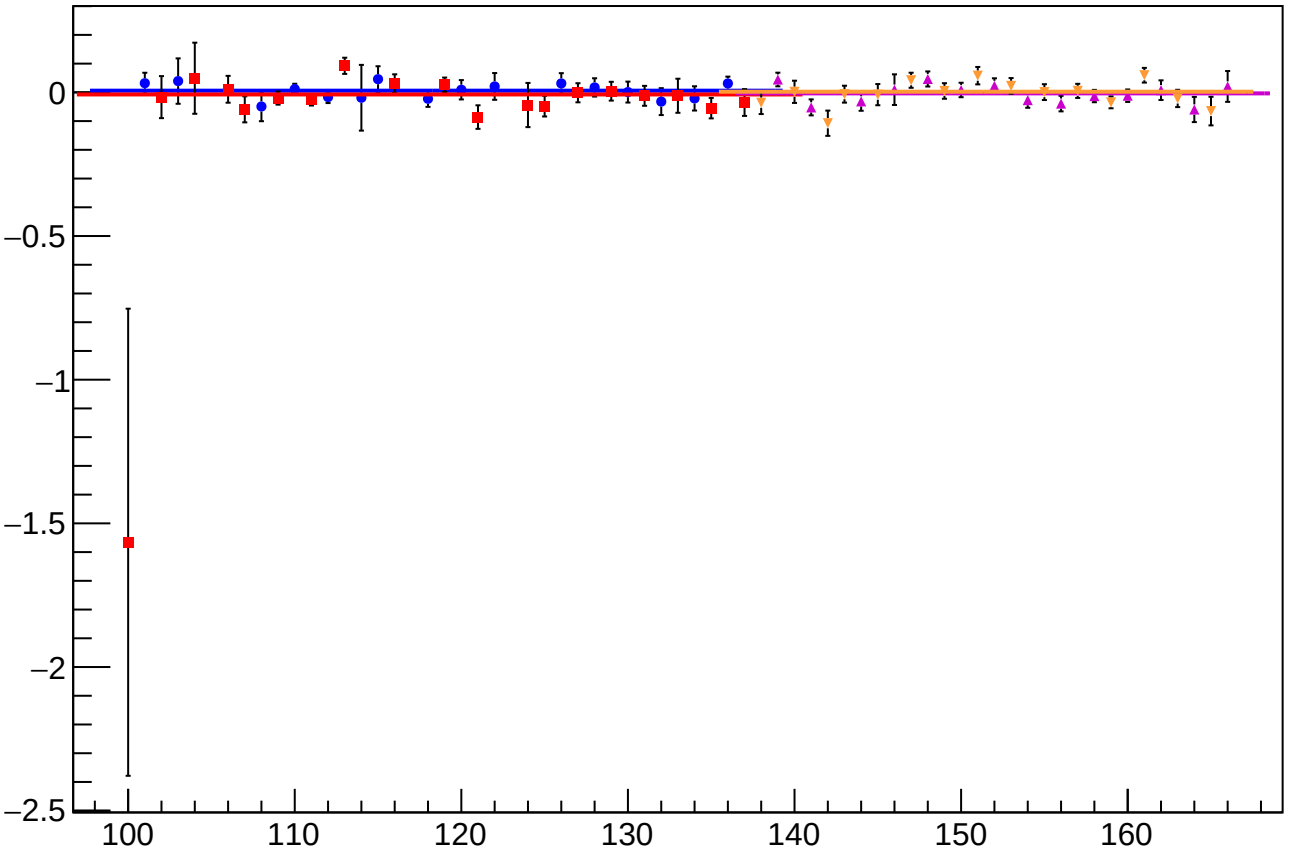
Left: 0.002+/-0.000 χ^2/NDF: 551740.5/28

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:14655631.0/29

Out: 0.001+/-0.000 χ^2/NDF:17732708.8/33

All: 0.001+/-0.000 χ^2/NDF: 33014189.2/63



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

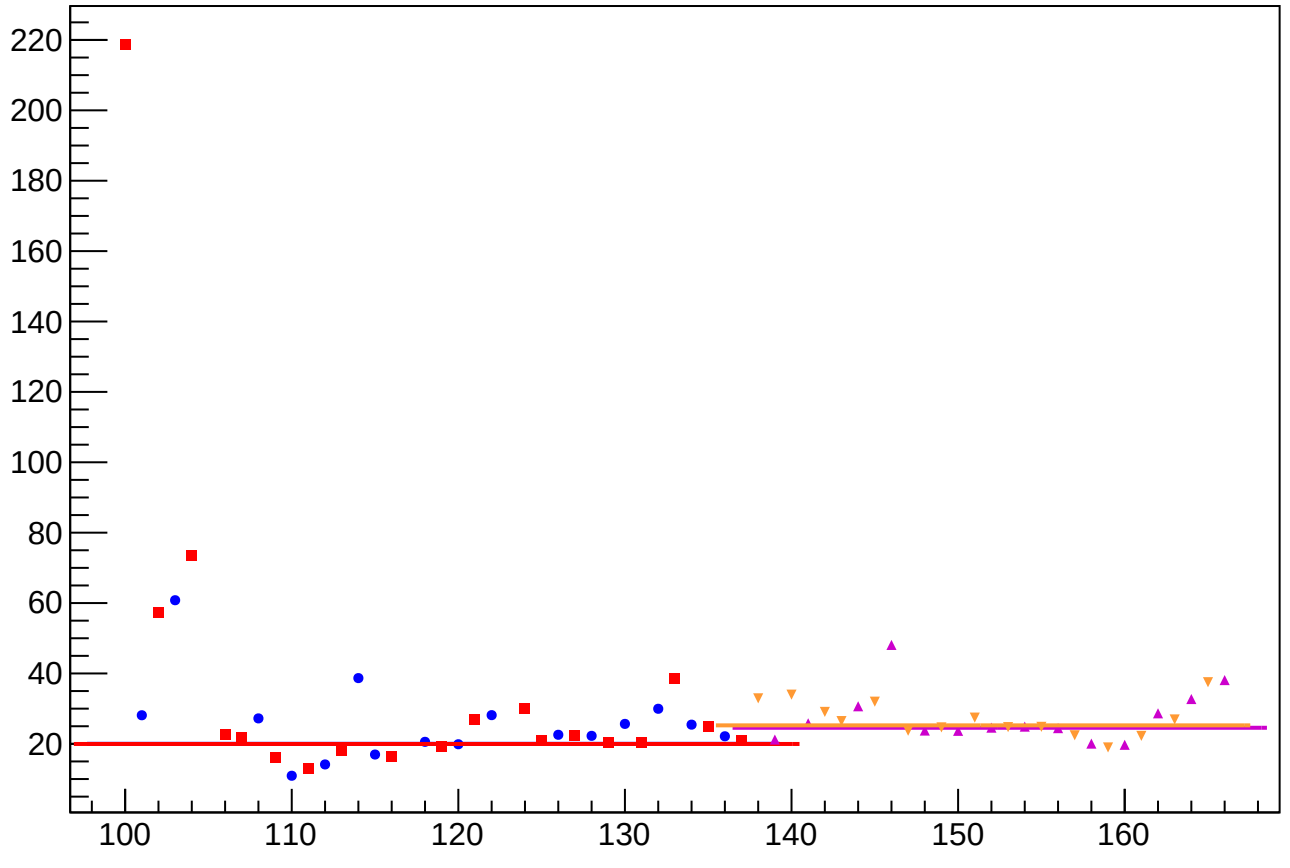
Left: -0.001+/-0.005 χ^2/NDF: 42.2/28

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.2/63



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.252+/-0.005 χ^2/NDF:649009.2/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.565+/-0.005 χ^2/NDF:920232.8/13

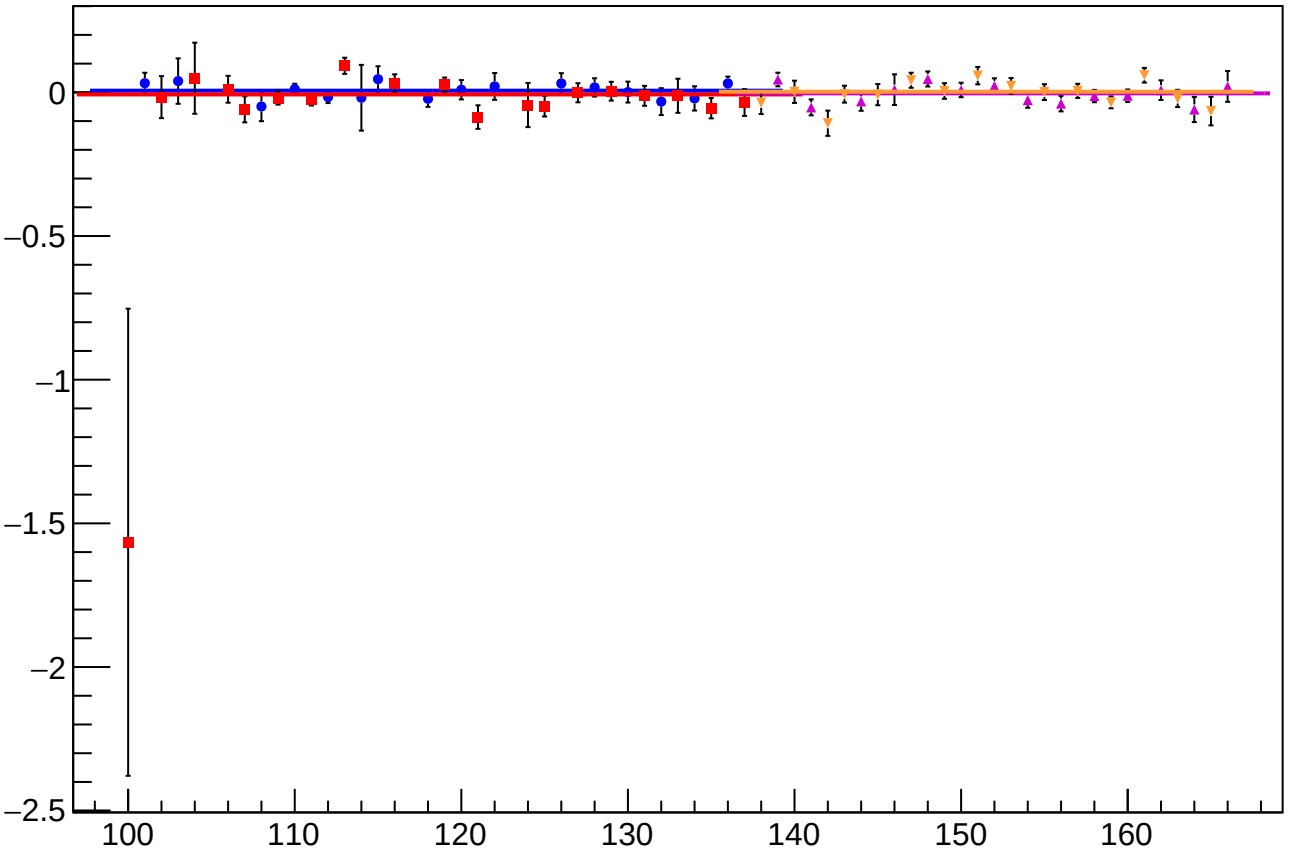
Left: 24.906+/-0.004 χ^2/NDF: 1577468.1/28

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.464+/-0.004 χ^2/NDF:2898573.1/29

Out: 22.775+/-0.004 χ^2/NDF:2819845.3/33

All: 22.620+/-0.003 χ^2/NDF: 5721573.0/63



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/13

Left: -0.001+/-0.005 χ^2/NDF: 42.2/28

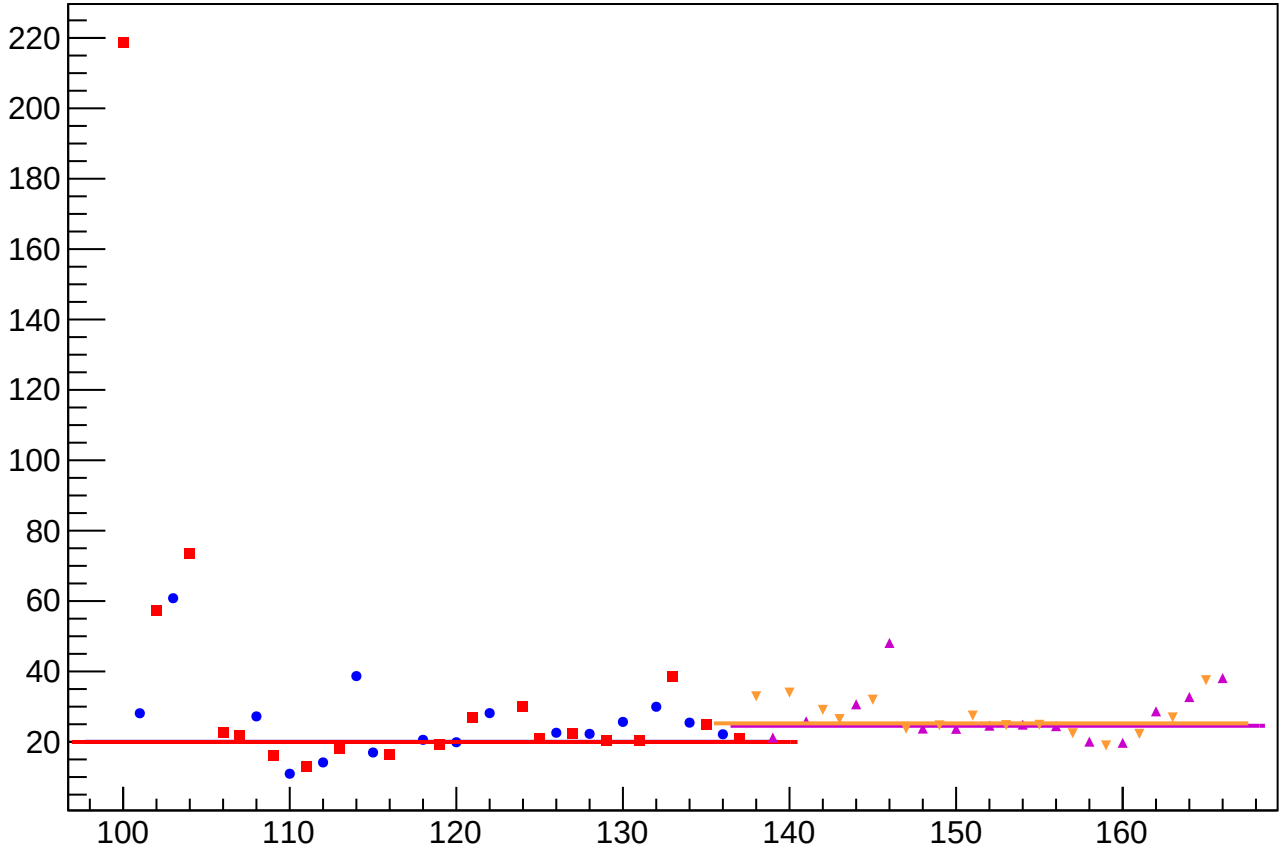
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.1/29

Out: -0.002+/-0.006 χ^2/NDF:54.9/33

All: -0.001+/-0.004 χ^2/NDF: 81.2/63

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.252+/-0.005 χ^2/NDF:649009.2/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.565+/-0.005 χ^2/NDF:920232.8/13

Left: 24.906+/-0.004 χ^2/NDF: 1577468.1/28

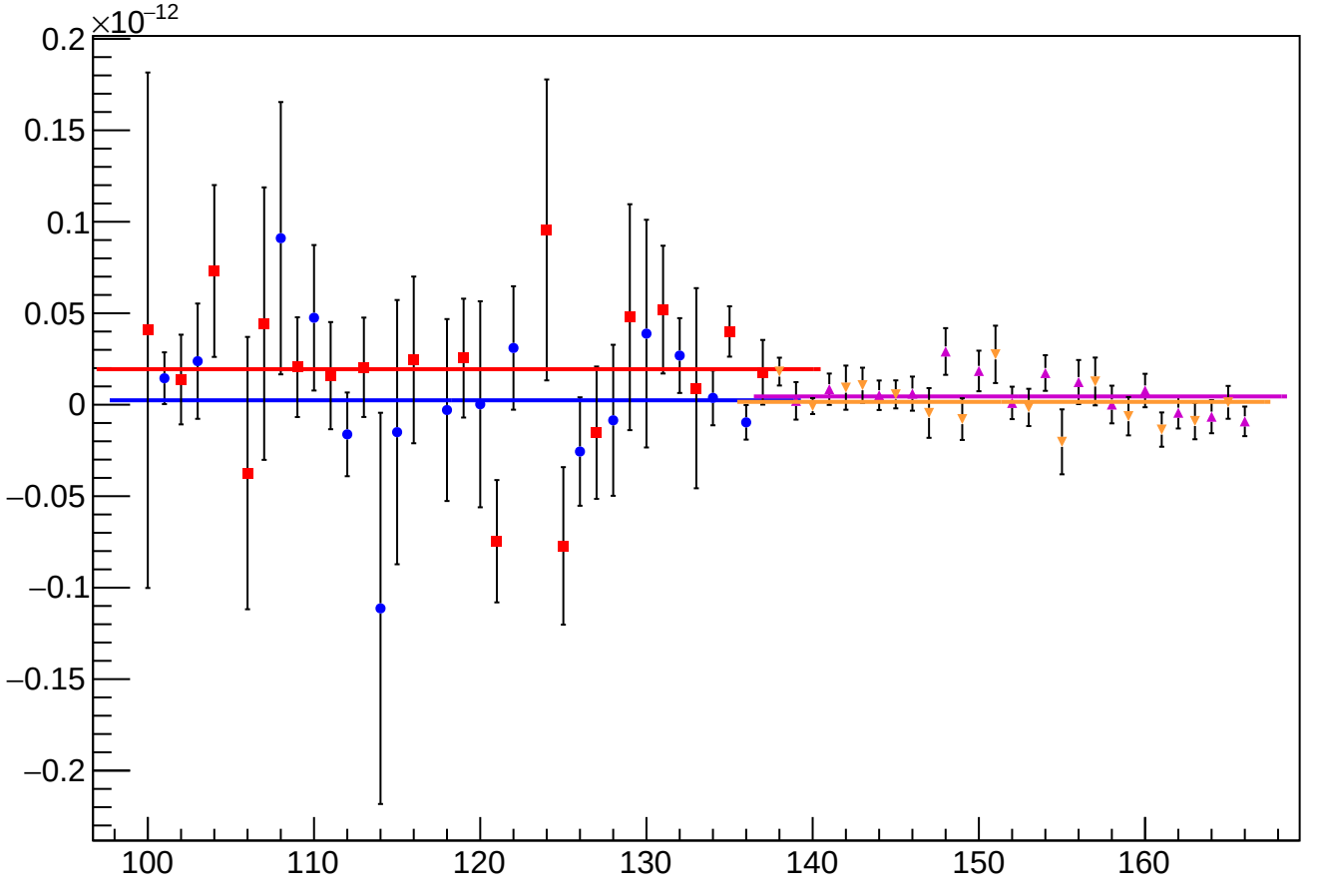
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.464+/-0.004 χ^2/NDF:2898573.1/29

Out: 22.775+/-0.004 χ^2/NDF:2819845.3/33

All: 22.620+/-0.003 χ^2/NDF: 5721573.0/63

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/13

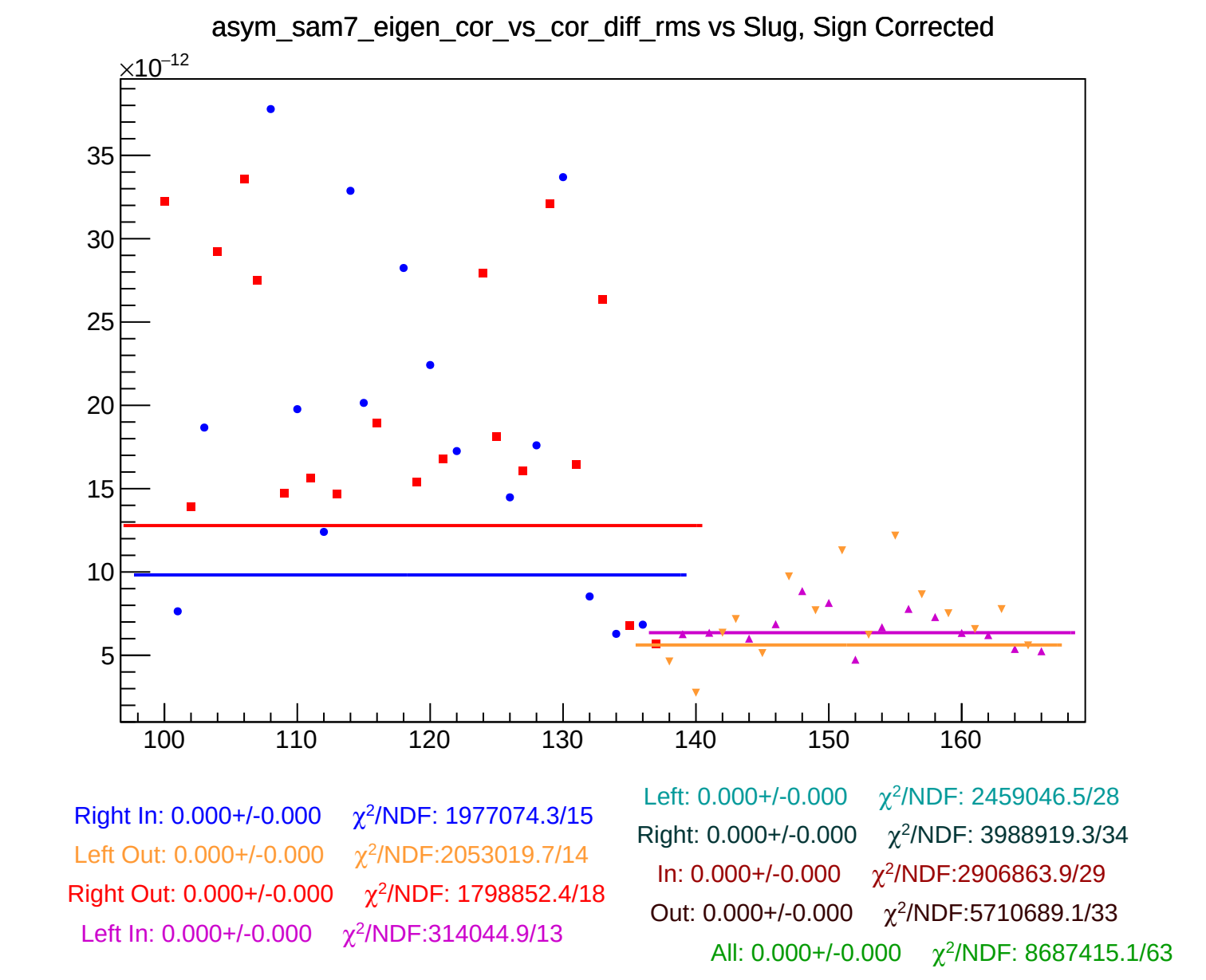
Left: 0.000+/-0.000 χ^2/NDF: 31.2/28

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

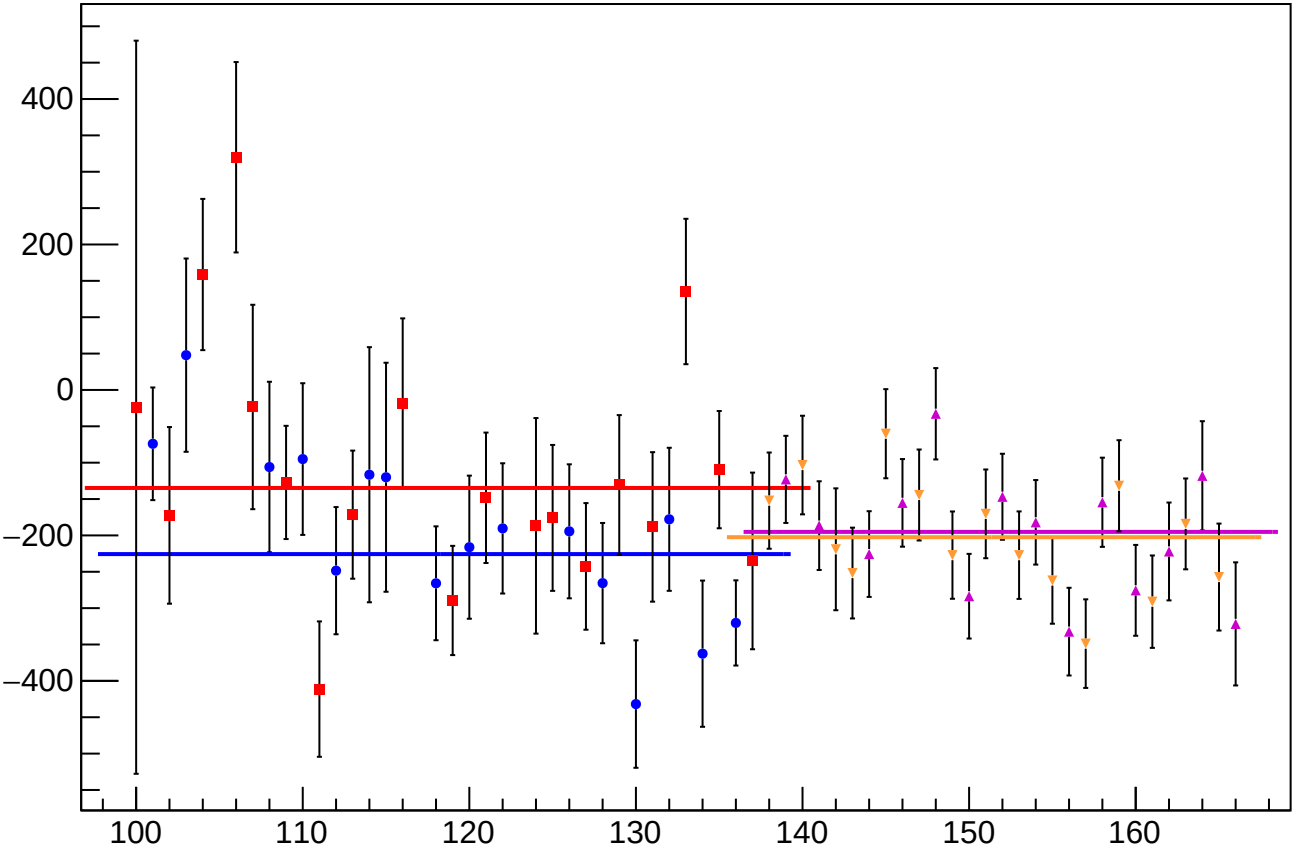
In: 0.000+/-0.000 χ^2/NDF:24.6/29

Out: 0.000+/-0.000 χ^2/NDF:42.8/33

All: 0.000+/-0.000 χ^2/NDF: 67.5/63


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2053019.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:314044.9/13
Left: 0.000+/-0.000 χ²/NDF: 2459046.5/28
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2906863.9/29
Out: 0.000+/-0.000 χ²/NDF:5710689.1/33
All: 0.000+/-0.000 χ²/NDF: 8687415.1/63

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.454+/-16.470 χ^2/NDF:20.9/14

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -195.151+/-16.719 χ^2/NDF:22.6/13

Left: -198.858+/-11.733 χ^2/NDF: 43.6/28

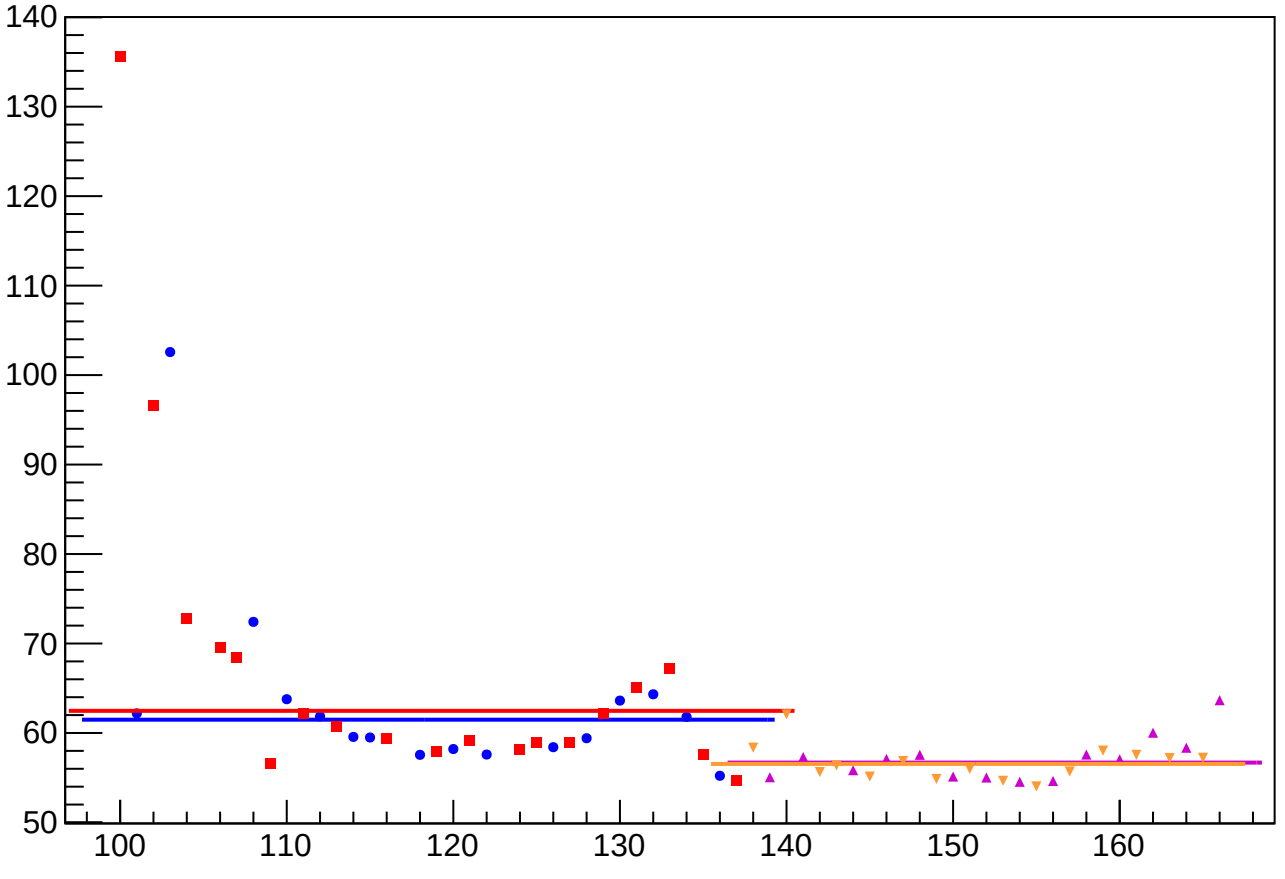
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -179.760+/-13.428 χ^2/NDF:71.8/33

All: -192.585+/-9.537 χ^2/NDF: 120.0/63

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

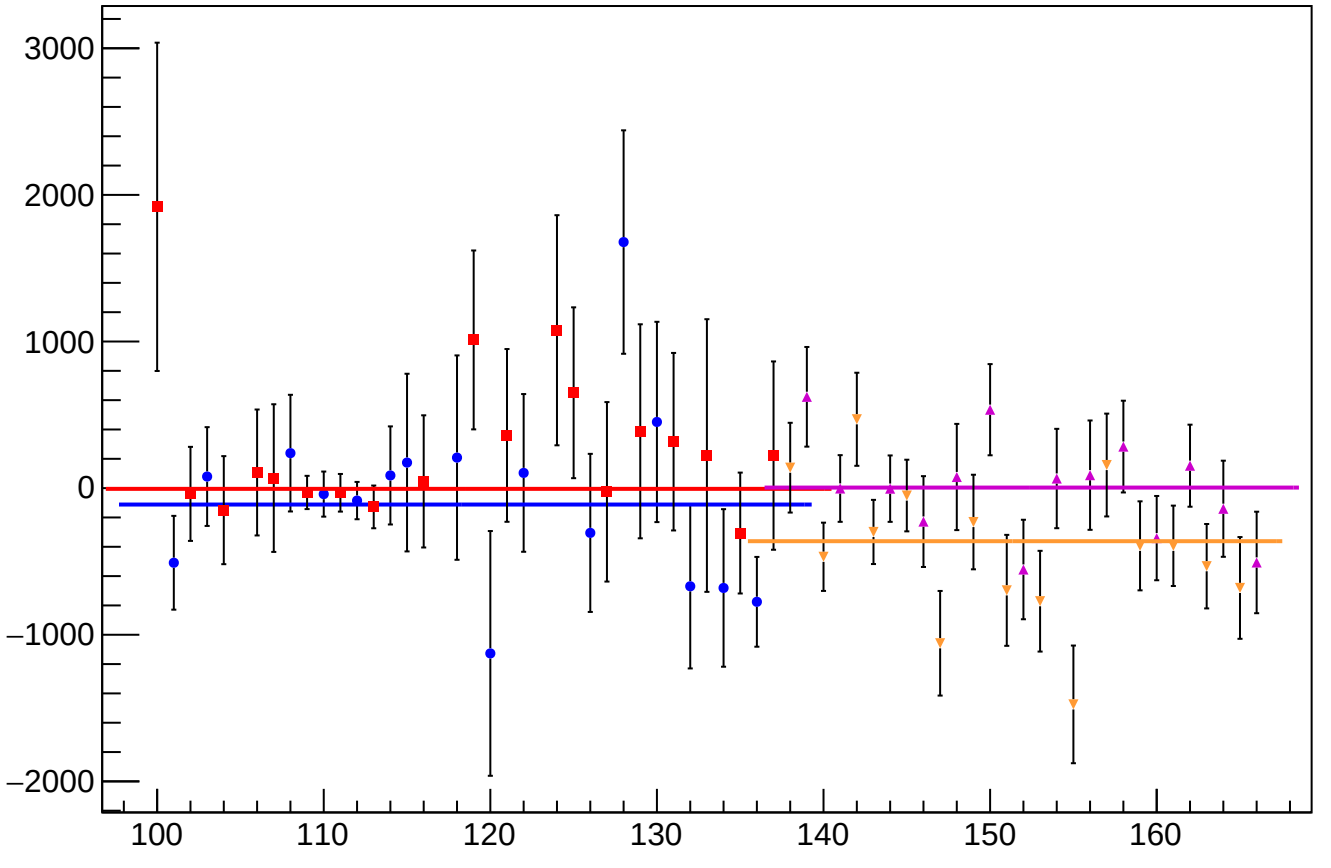
Left: 56.616+/-0.008 χ^2/NDF: 56692.2/28

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.338+/-0.010 χ^2/NDF:337805.6/29

Out: 58.532+/-0.009 χ^2/NDF:394096.8/33

All: 58.436+/-0.007 χ^2/NDF: 732109.2/63



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -361.882+/-77.043 χ^2/NDF:28.7/14

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 3.801+/-80.789 χ^2/NDF:14.5/13

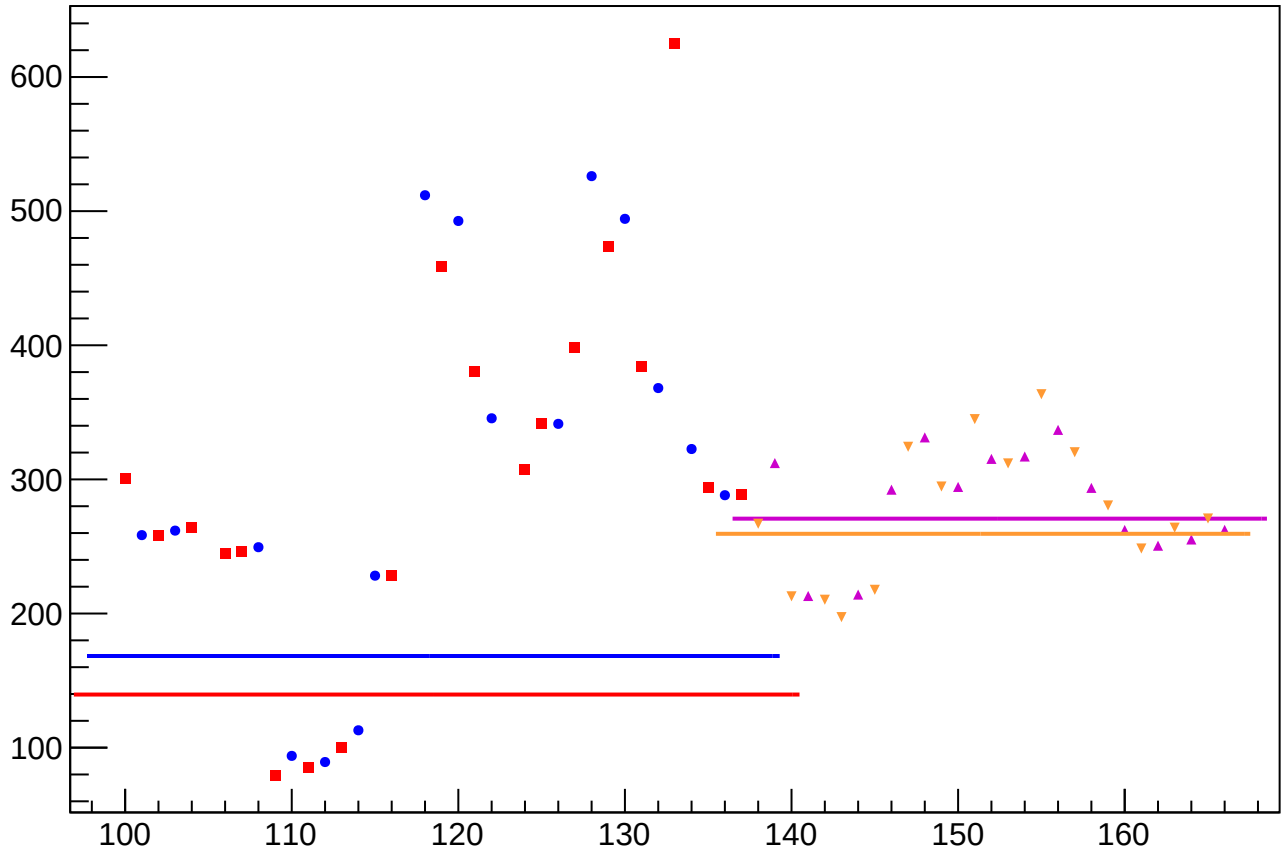
Left: -187.716+/-55.755 χ^2/NDF: 54.0/28

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -57.411+/-55.438 χ^2/NDF:34.1/29

Out: -150.474+/-49.199 χ^2/NDF:53.1/33

All: -109.471+/-36.798 χ^2/NDF: 88.7/63



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797946.0/14

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524012.3/13

Left: 264.815+/-0.039 χ^2/NDF: 1342437.5/28

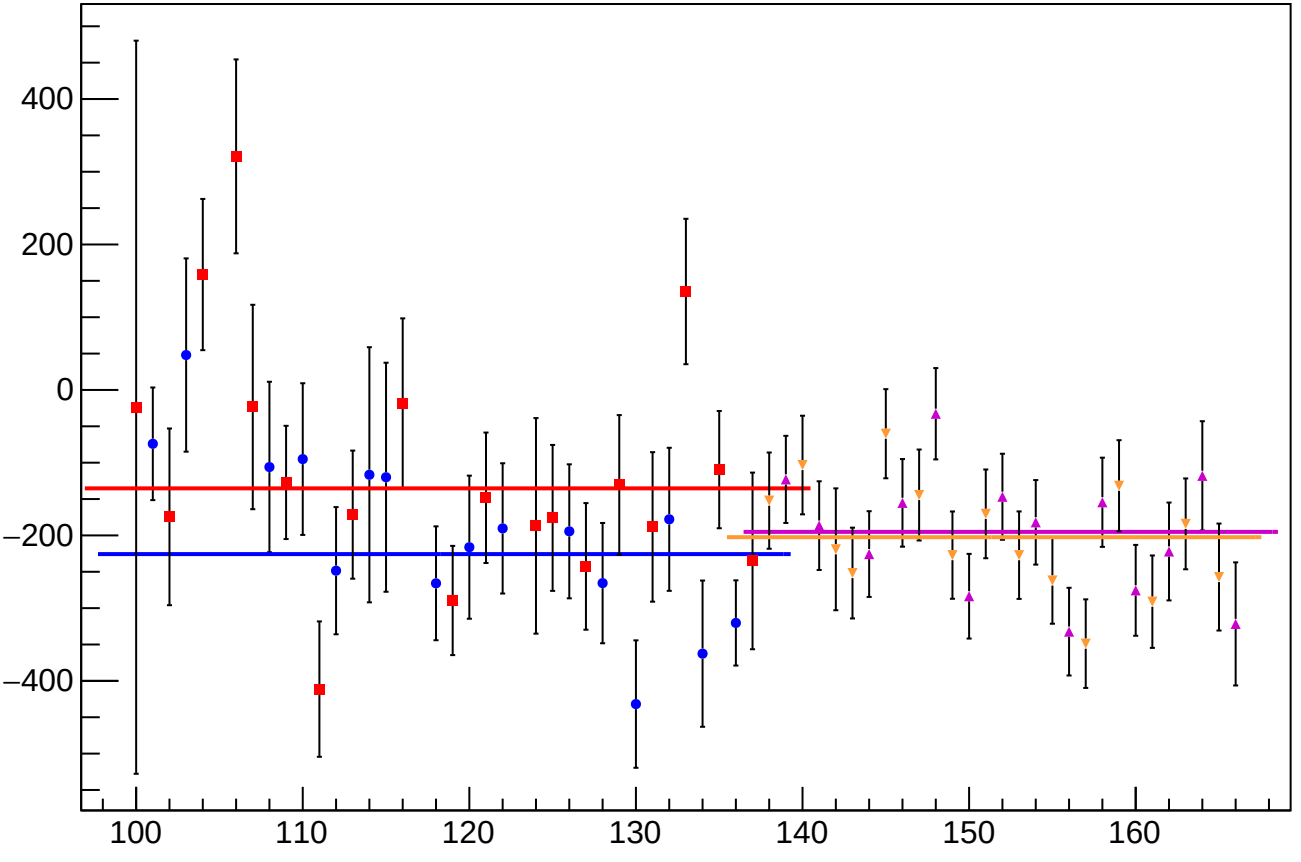
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 216.548+/-0.039 χ^2/NDF:6768257.3/29

Out: 188.465+/-0.035 χ^2/NDF:8817922.5/33

All: 200.838+/-0.026 χ^2/NDF: 15873279.7/63

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.451+/-16.470 χ^2/NDF:20.9/14

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -195.152+/-16.719 χ^2/NDF:22.6/13

Left: -198.857+/-11.733 χ^2/NDF: 43.6/28

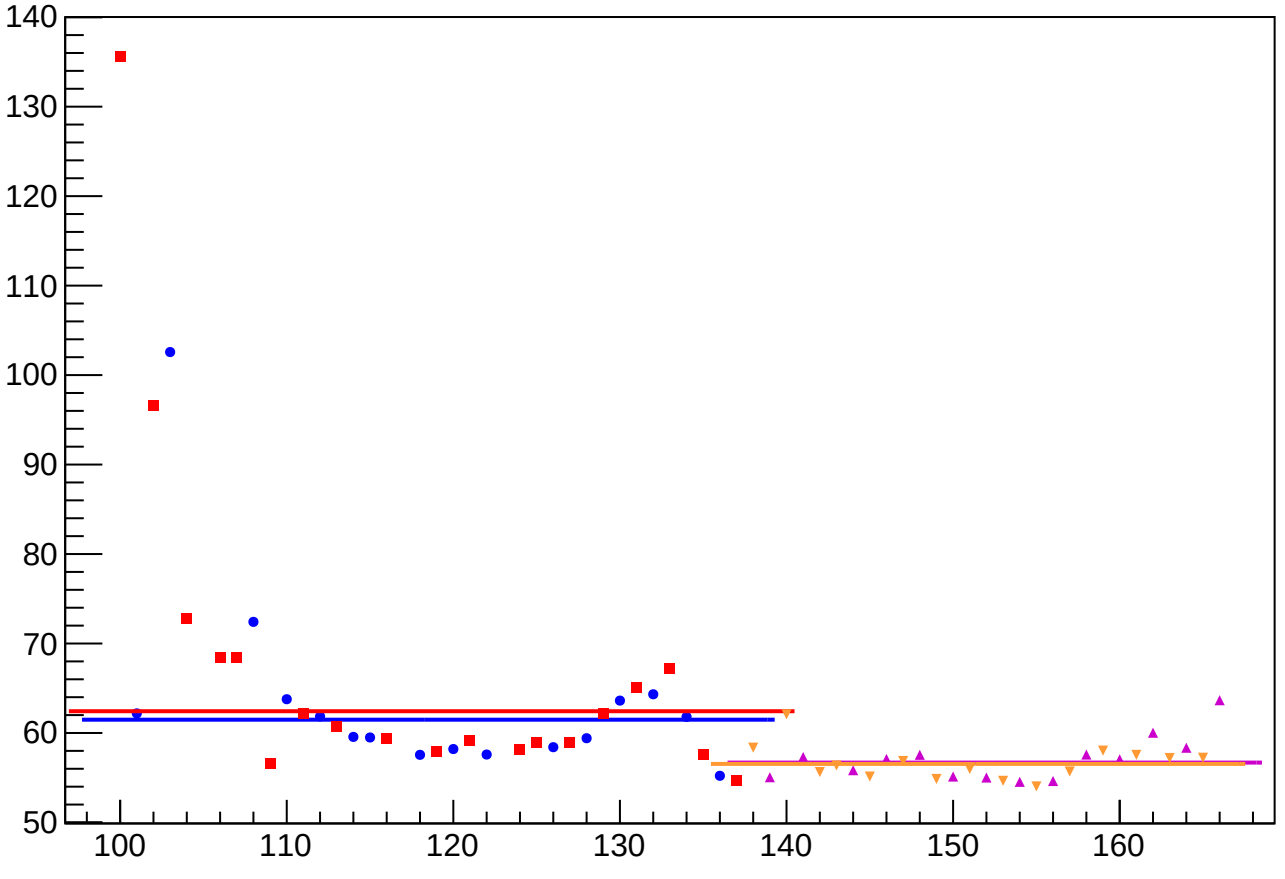
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -179.959+/-13.431 χ^2/NDF:71.4/33

All: -192.689+/-9.538 χ^2/NDF: 119.5/63

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

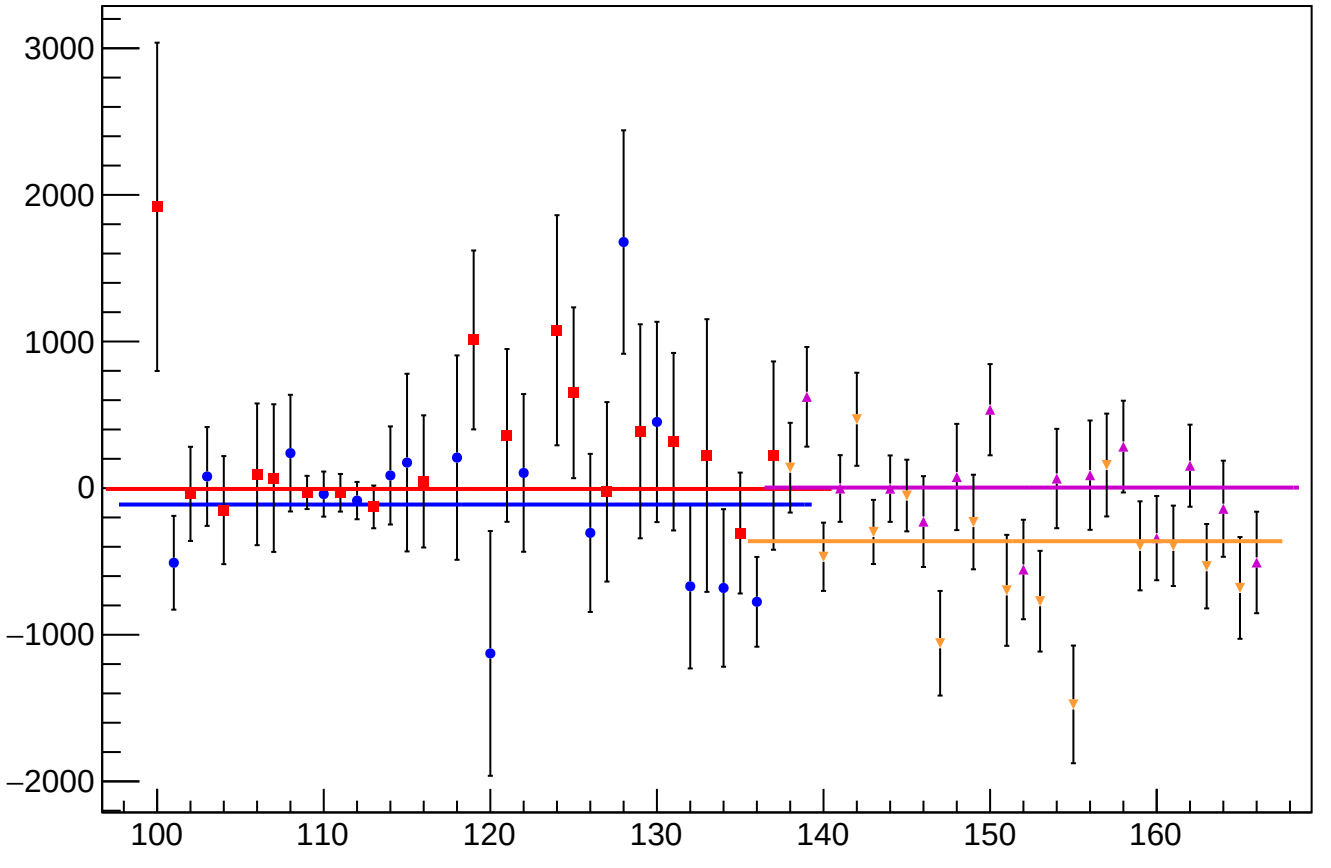
Left: 56.616+/-0.008 χ^2/NDF: 56692.2/28

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.338+/-0.010 χ^2/NDF:337808.3/29

Out: 58.516+/-0.009 χ^2/NDF:391032.6/33

All: 58.428+/-0.007 χ^2/NDF: 729014.8/63



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -361.878+/-77.043 χ^2/NDF:28.7/14

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 3.797+/-80.789 χ^2/NDF:14.5/13

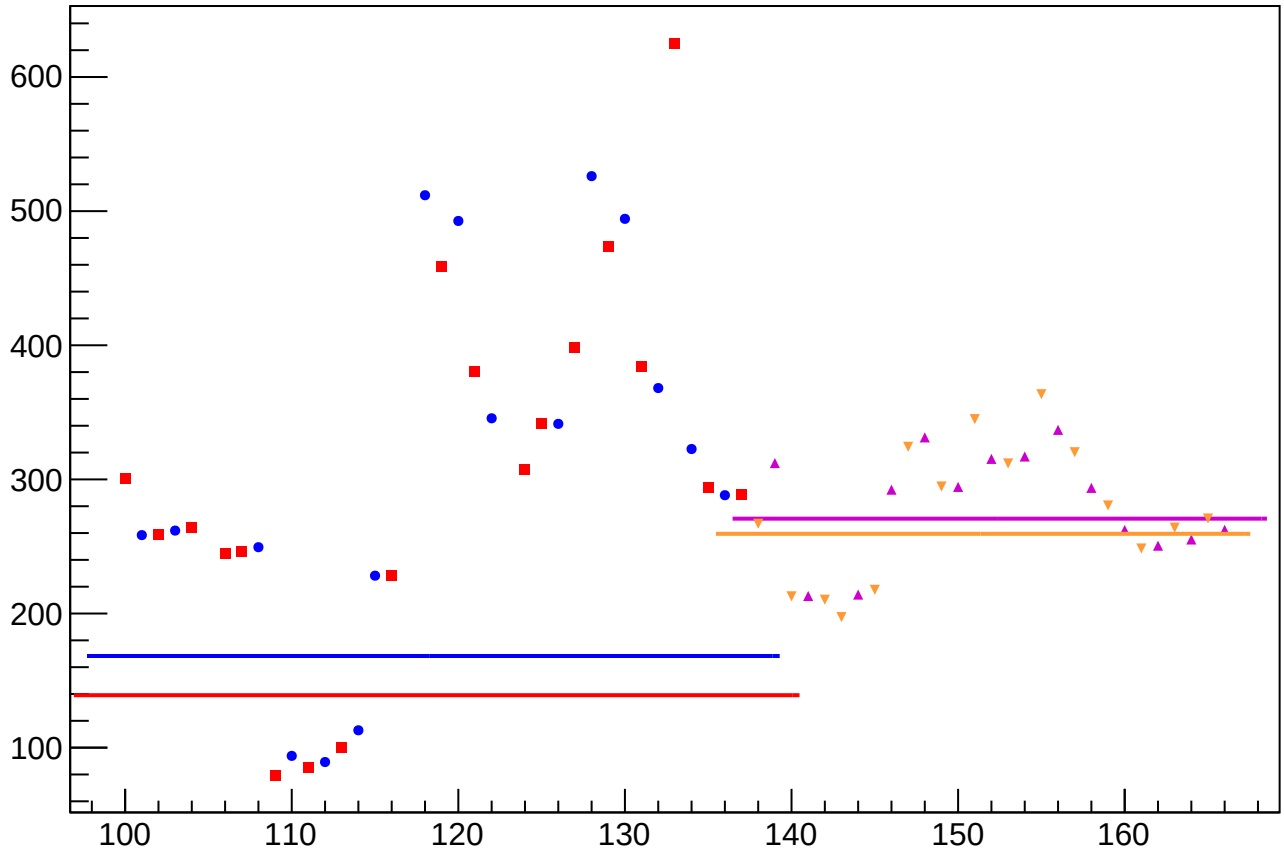
Left: -187.716+/-55.755 χ^2/NDF: 54.0/28

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -57.403+/-55.438 χ^2/NDF:34.1/29

Out: -151.310+/-49.268 χ^2/NDF:53.0/33

All: -109.871+/-36.827 χ^2/NDF: 88.7/63



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524010.9/13

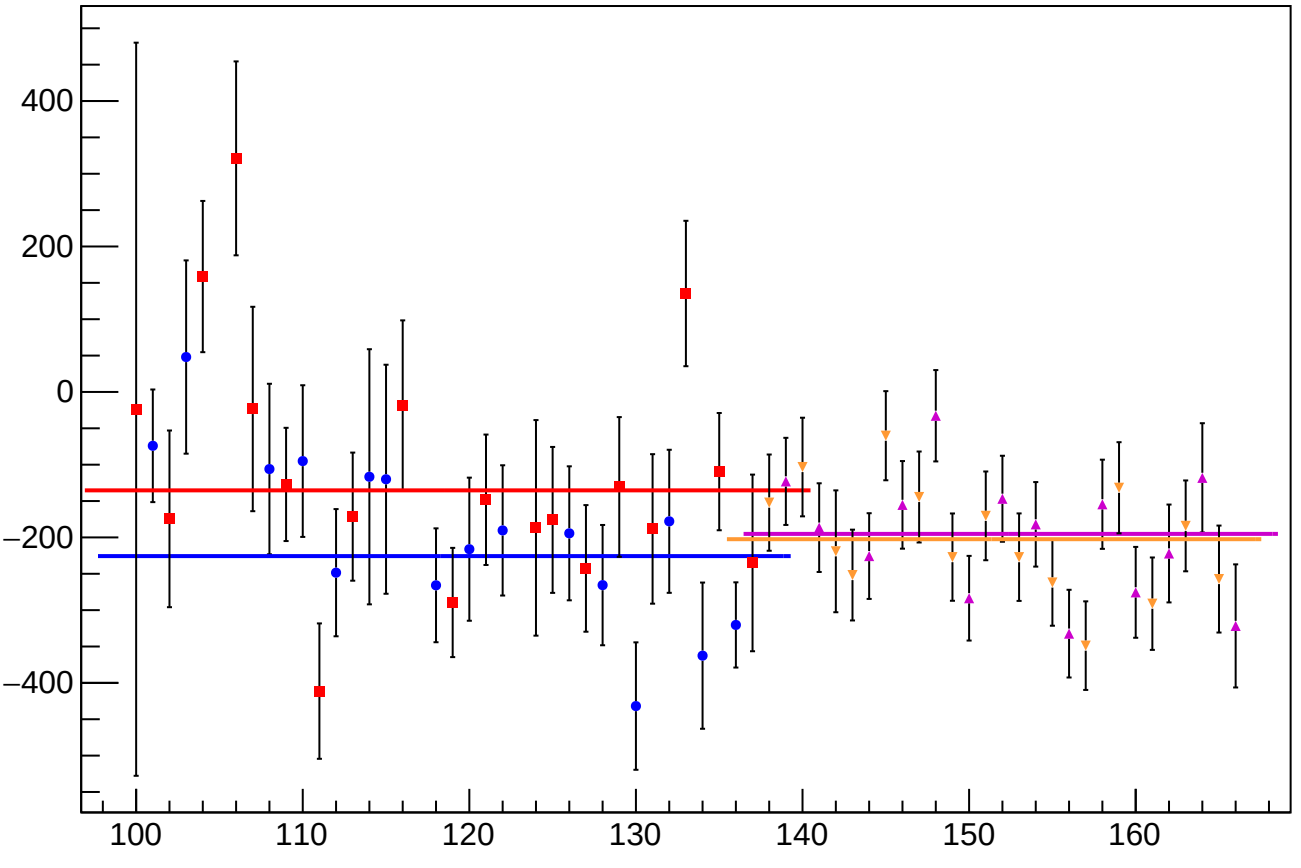
Left: 264.815+/-0.039 χ^2/NDF: 1342441.7/28

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 216.548+/-0.039 χ^2/NDF:6768293.7/29

Out: 188.314+/-0.035 χ^2/NDF:8811598.3/33

All: 200.773+/-0.026 χ^2/NDF: 15869741.8/63



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.451+/-16.470 χ^2/NDF:20.9/14

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -195.152+/-16.719 χ^2/NDF:22.6/13

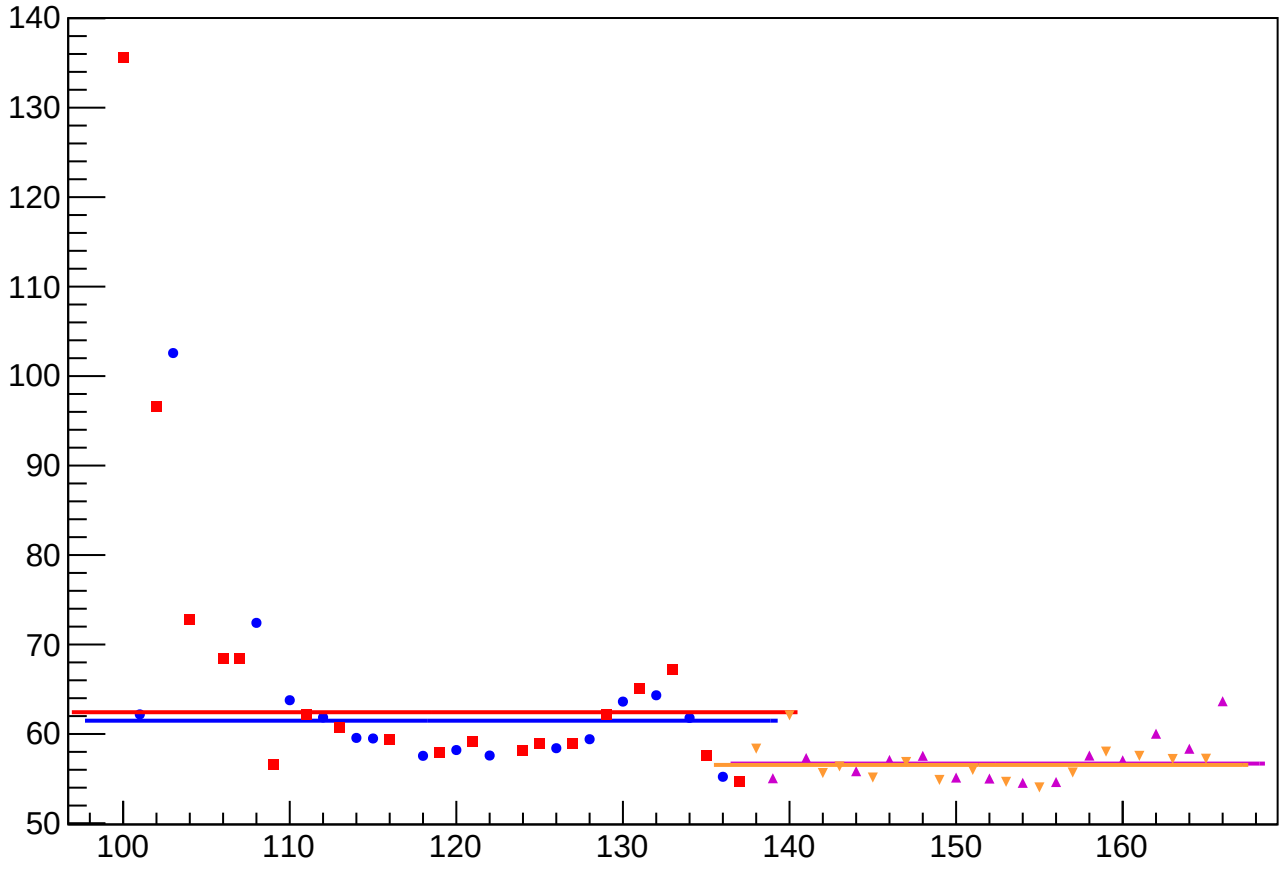
Left: -198.857+/-11.733 χ^2/NDF: 43.6/28

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.639+/-13.547 χ^2/NDF:46.4/29

Out: -179.959+/-13.431 χ^2/NDF:71.4/33

All: -192.689+/-9.538 χ^2/NDF: 119.5/63



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.692+/-0.012 χ^2/NDF:30666.2/13

Left: 56.616+/-0.008 χ^2/NDF: 56692.2/28

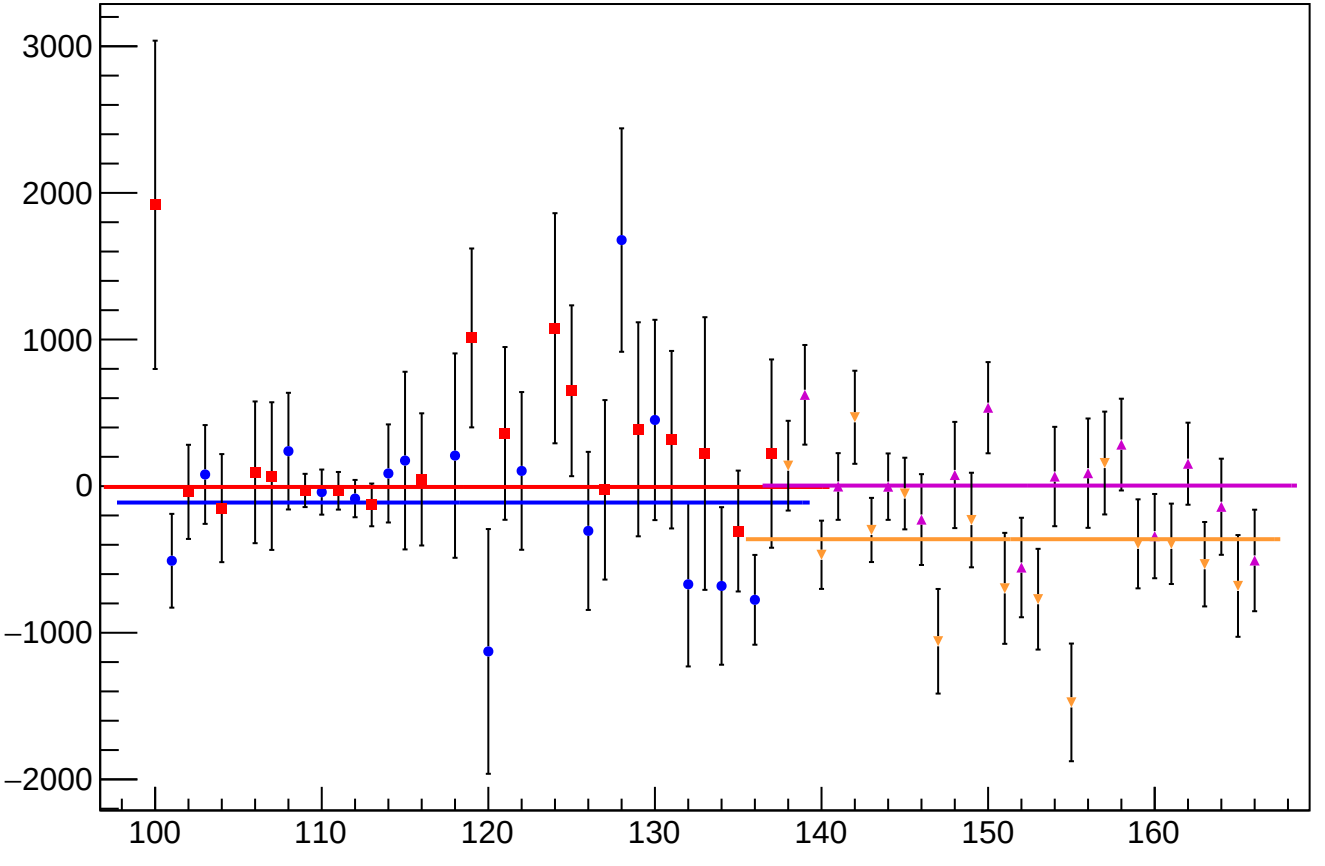
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.338+/-0.010 χ^2/NDF:337808.3/29

Out: 58.516+/-0.009 χ^2/NDF:391032.6/33

All: 58.428+/-0.007 χ^2/NDF: 729014.8/63

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -361.878+/-77.043 χ^2/NDF:28.7/14

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 3.797+/-80.789 χ^2/NDF:14.5/13

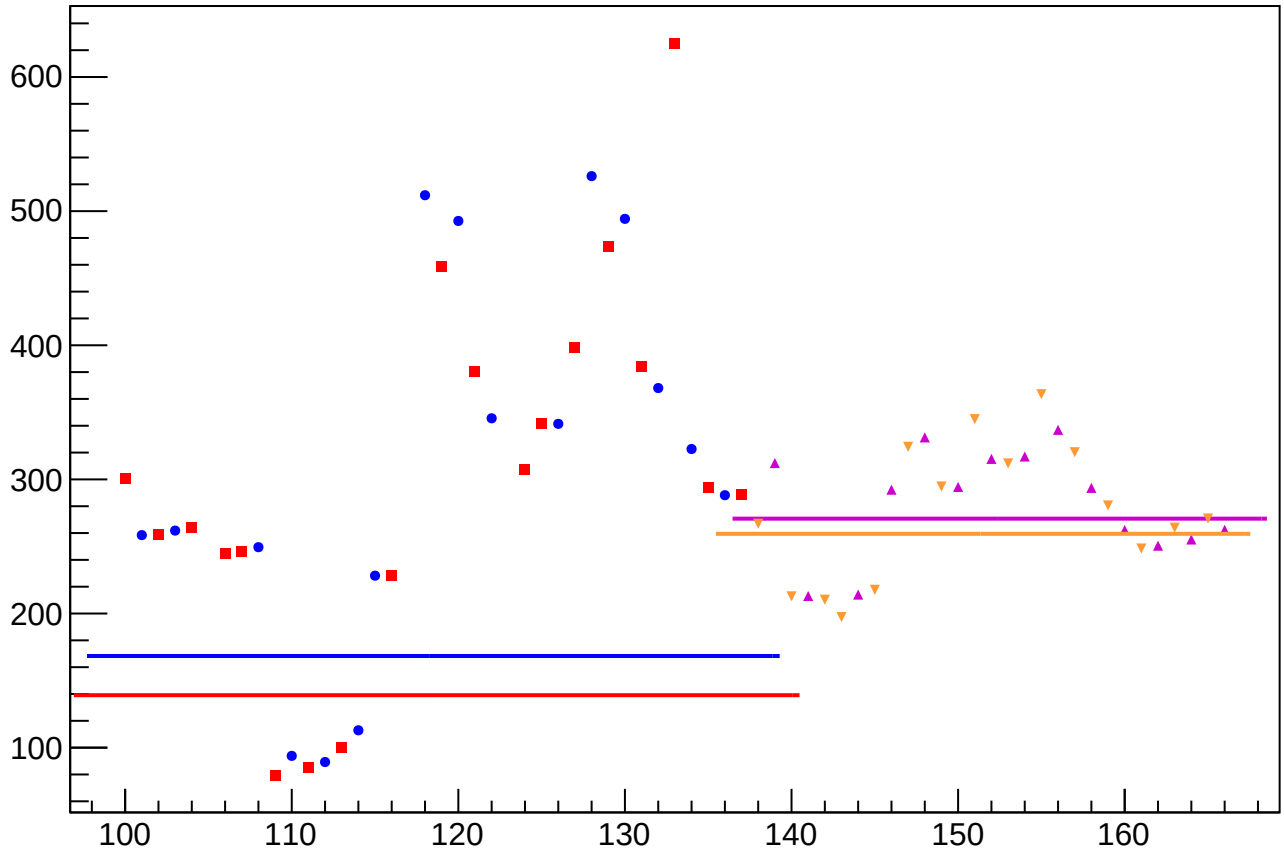
Left: -187.716+/-55.755 χ^2/NDF: 54.0/28

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -57.403+/-55.438 χ^2/NDF:34.1/29

Out: -151.310+/-49.268 χ^2/NDF:53.0/33

All: -109.871+/-36.827 χ^2/NDF: 88.7/63



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.732+/-0.057 χ^2/NDF:524010.9/13

Left: 264.815+/-0.039 χ^2/NDF: 1342441.7/28

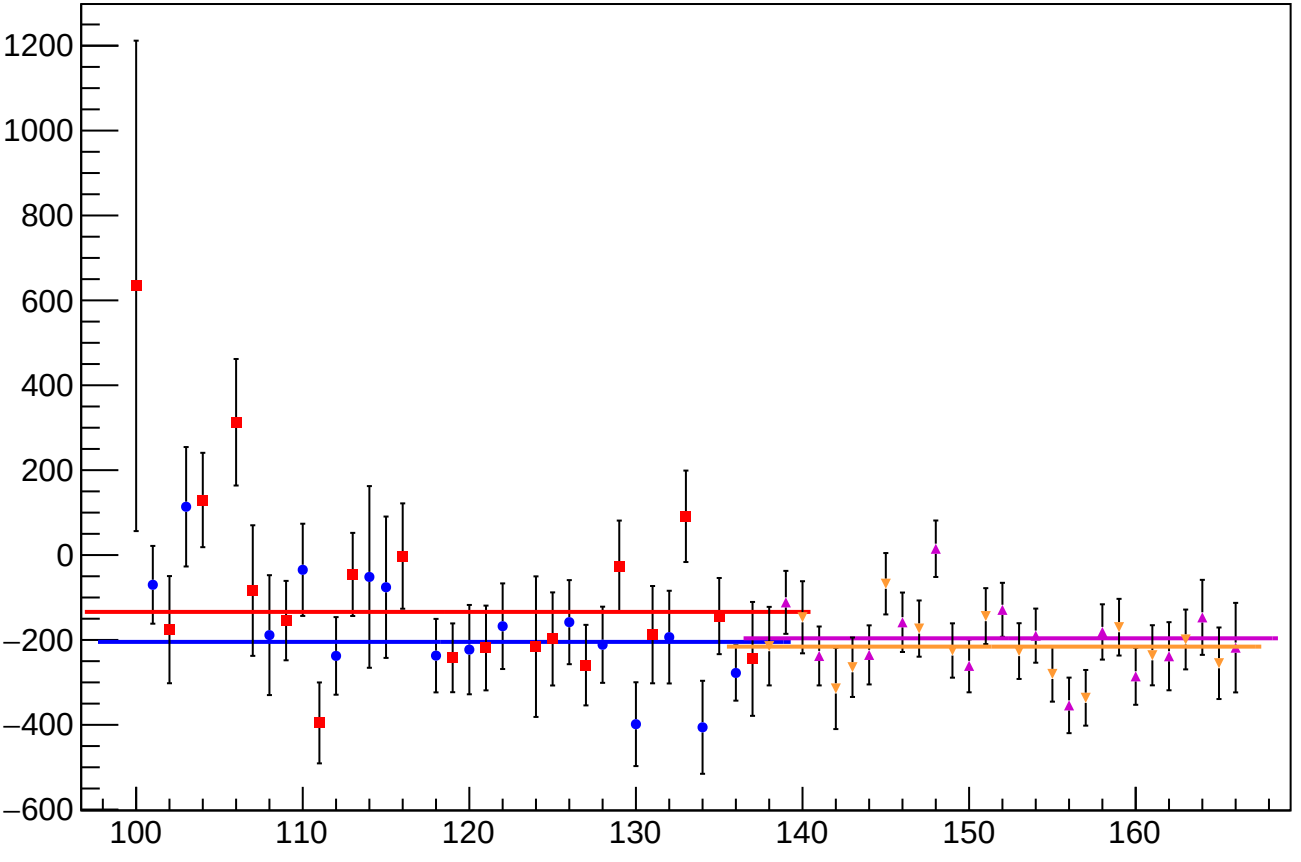
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 216.548+/-0.039 χ^2/NDF:6768293.7/29

Out: 188.314+/-0.035 χ^2/NDF:8811598.3/33

All: 200.773+/-0.026 χ^2/NDF: 15869741.8/63

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.751+/-18.484 χ^2/NDF:13.2/14

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -196.120+/-18.763 χ^2/NDF:22.8/13

Left: -206.083+/-13.168 χ^2/NDF: 36.6/28

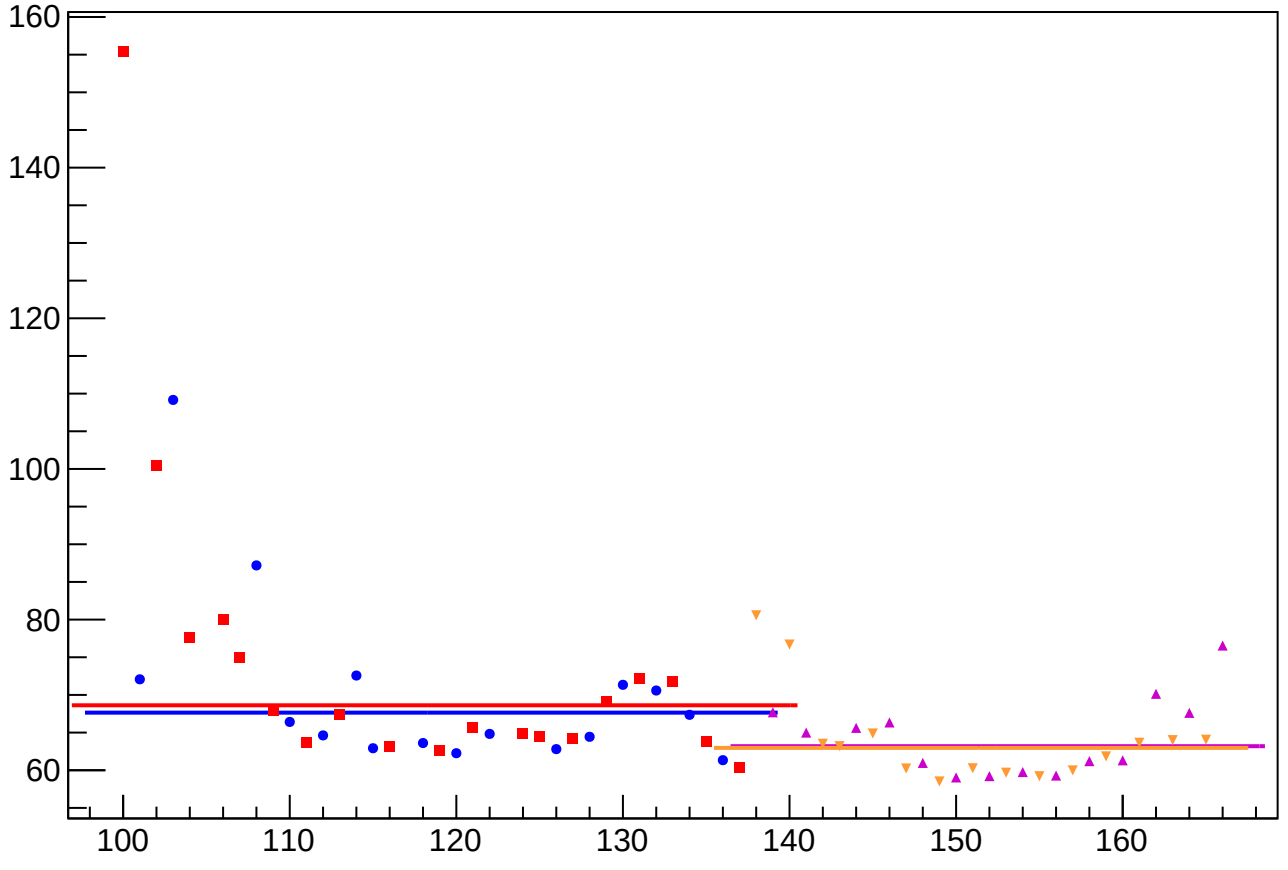
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -199.087+/-15.118 χ^2/NDF:42.9/29

Out: -187.542+/-14.962 χ^2/NDF:57.2/33

All: -193.255+/-10.635 χ^2/NDF: 100.4/63

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159853.2/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.193+/-0.013 χ^2/NDF:102560.0/13

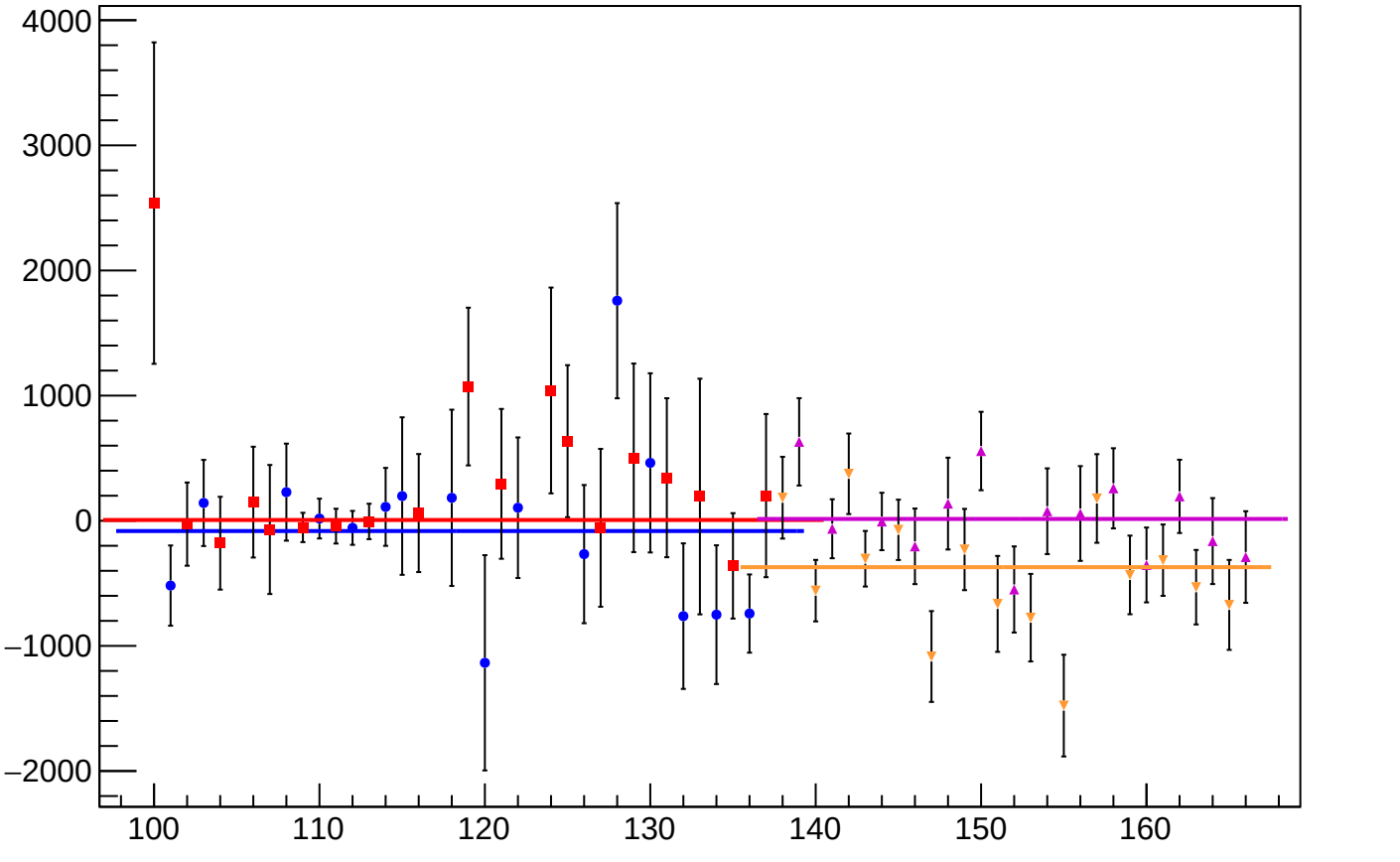
Left: 63.079+/-0.009 χ^2/NDF: 262559.3/28

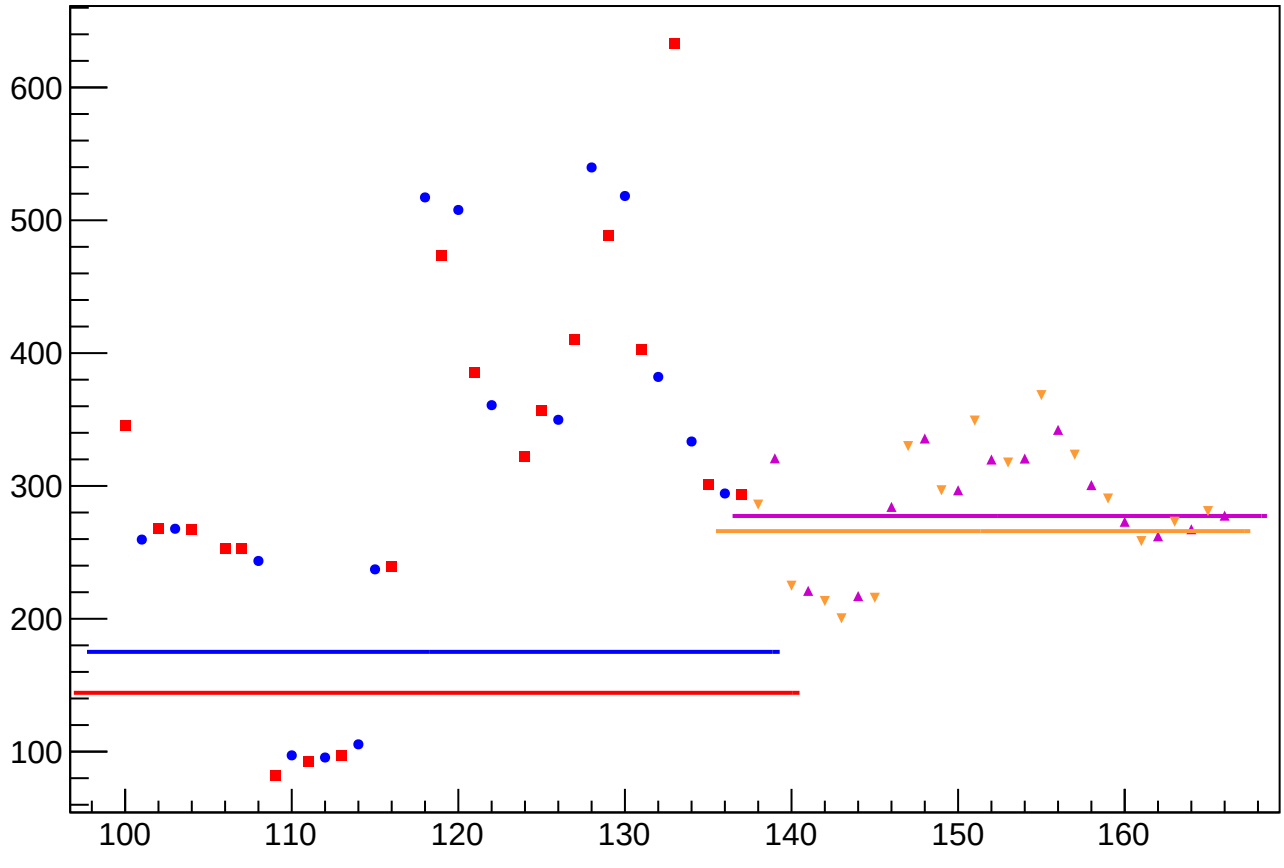
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.756+/-0.011 χ^2/NDF:405771.3/29

Out: 64.918+/-0.011 χ^2/NDF:472571.3/33

All: 64.838+/-0.008 χ^2/NDF: 878458.7/63


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -370.845+/-78.912 χ²/NDF:27.3/14
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 14.242+/-82.690 χ²/NDF:13.0/13
Left: -187.297+/-57.088 χ²/NDF: 51.7/28
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -36.391+/-56.998 χ²/NDF:33.0/29
Out: -148.823+/-50.586 χ²/NDF:52.8/33
All: -99.284+/-37.835 χ²/NDF: 87.9/63



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.996+/-0.056 χ^2/NDF:793929.8/14

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.387+/-0.058 χ^2/NDF:481654.9/13

Left: 271.426+/-0.040 χ^2/NDF: 1295447.7/28

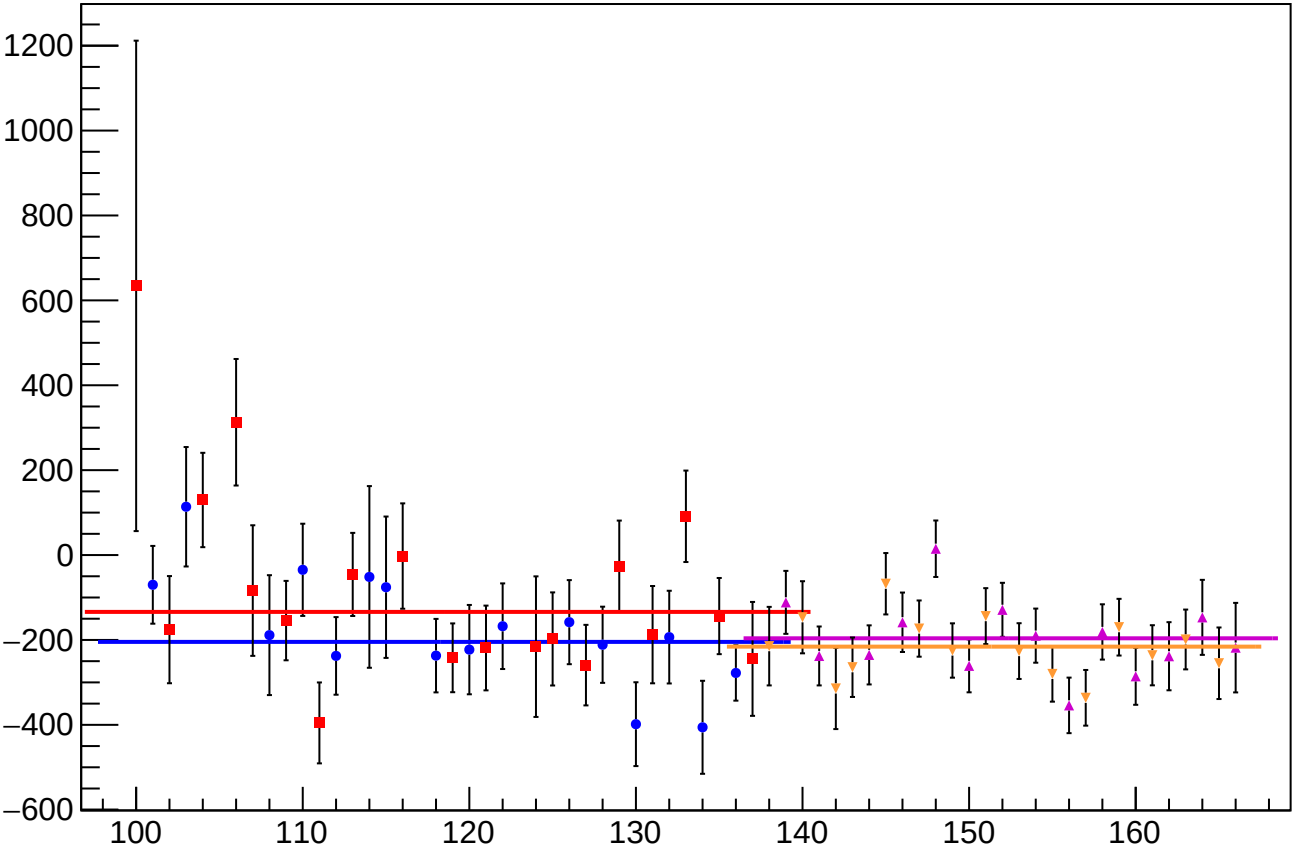
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 223.701+/-0.040 χ^2/NDF:6517001.5/29

Out: 194.296+/-0.036 χ^2/NDF:8729381.5/33

All: 207.252+/-0.027 χ^2/NDF: 15544140.6/63

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.749+/-18.484 χ^2/NDF:13.2/14

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -196.121+/-18.763 χ^2/NDF:22.8/13

Left: -206.082+/-13.168 χ^2/NDF: 36.6/28

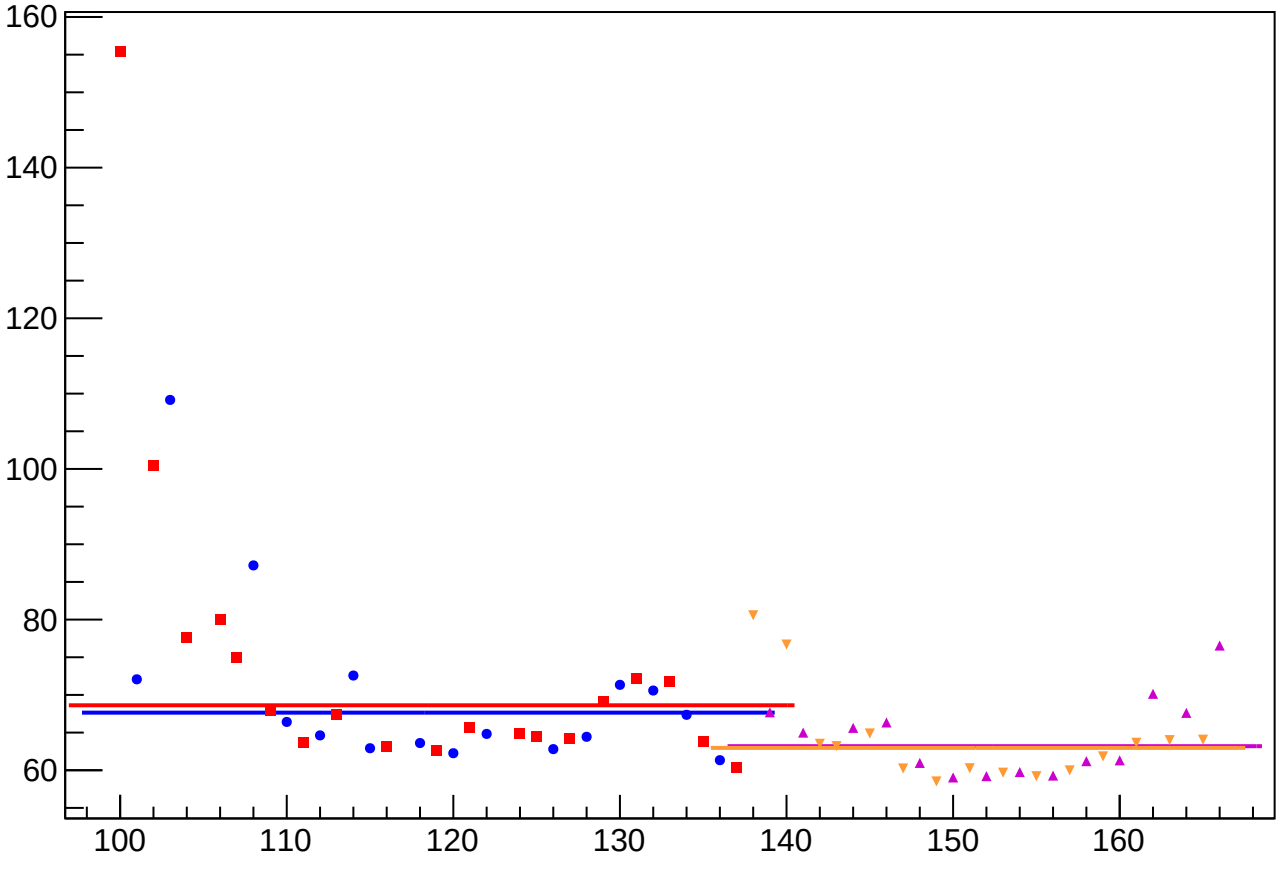
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -199.088+/-15.118 χ^2/NDF:42.9/29

Out: -187.542+/-14.962 χ^2/NDF:57.2/33

All: -193.255+/-10.635 χ^2/NDF: 100.4/63

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159852.0/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.193+/-0.013 χ^2/NDF:102560.2/13

Left: 63.079+/-0.009 χ^2/NDF: 262558.3/28

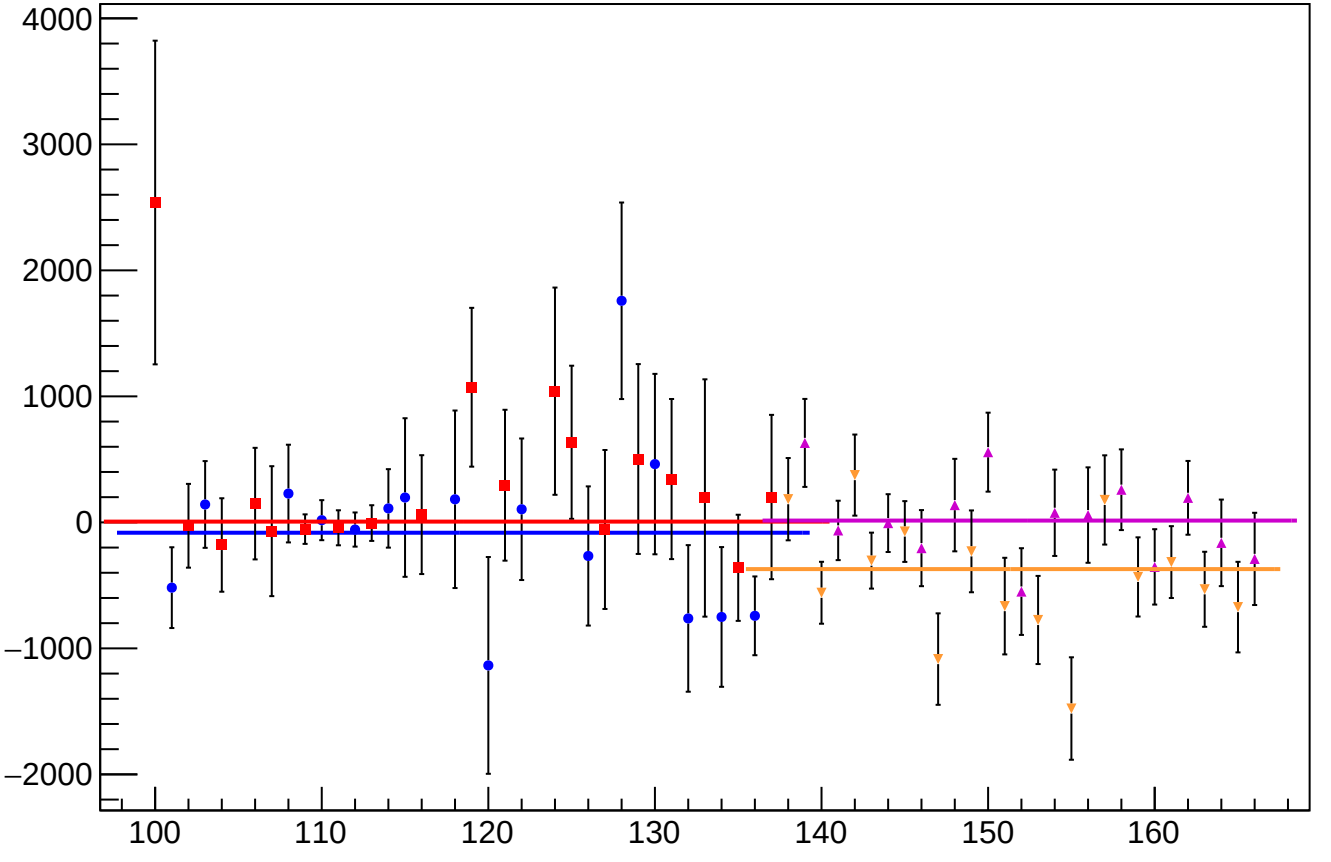
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.756+/-0.011 χ^2/NDF:405766.8/29

Out: 64.918+/-0.011 χ^2/NDF:472566.3/33

All: 64.838+/-0.008 χ^2/NDF: 878449.1/63

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -370.844+/-78.912 χ^2/NDF:27.3/14

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 14.242+/-82.689 χ^2/NDF:13.0/13

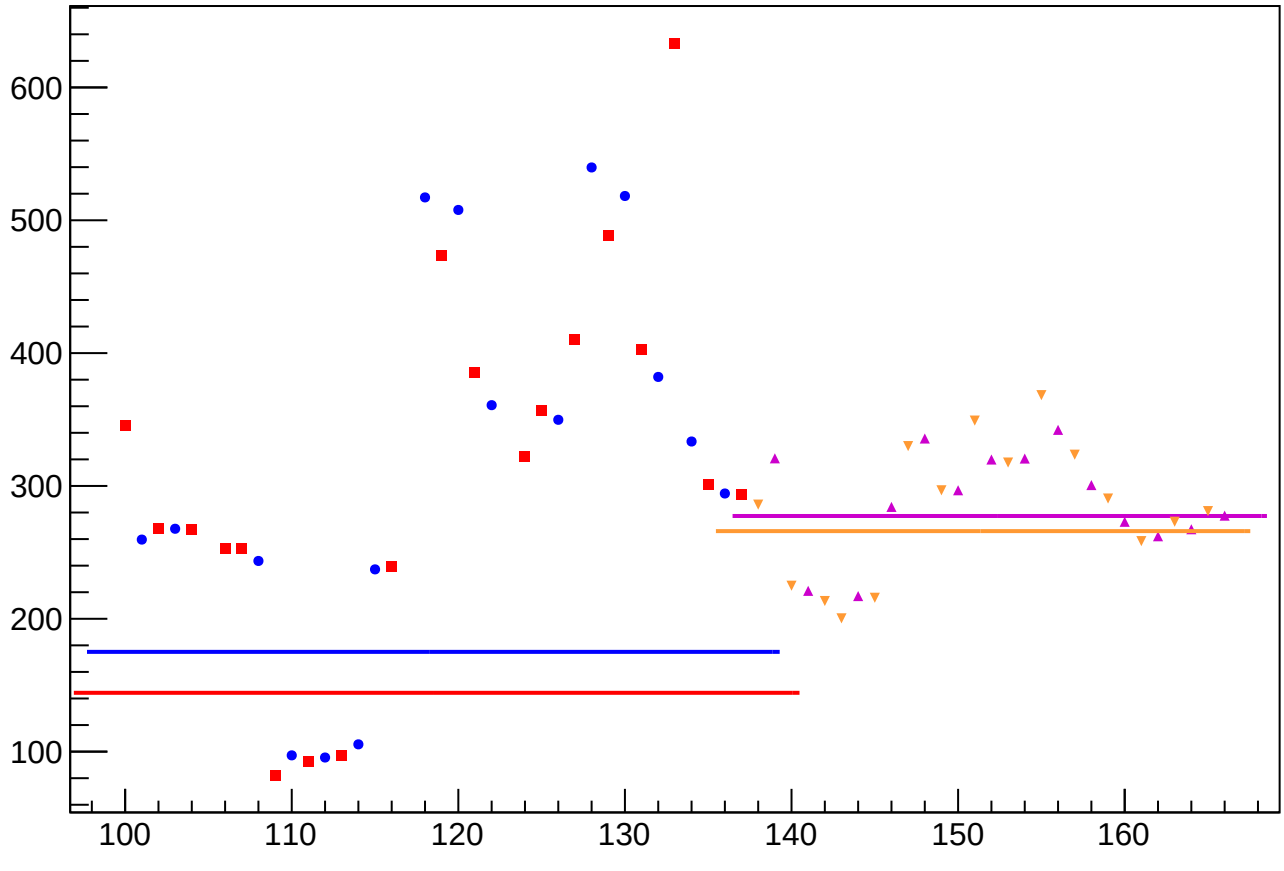
Left: -187.297+/-57.088 χ^2/NDF: 51.7/28

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -36.390+/-56.998 χ^2/NDF:33.0/29

Out: -148.823+/-50.586 χ^2/NDF:52.8/33

All: -99.284+/-37.835 χ^2/NDF: 87.9/63



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.995+/-0.056 χ^2/NDF:793938.4/14

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 277.386+/-0.058 χ^2/NDF:481656.2/13

Left: 271.425+/-0.040 χ^2/NDF: 1295458.3/28

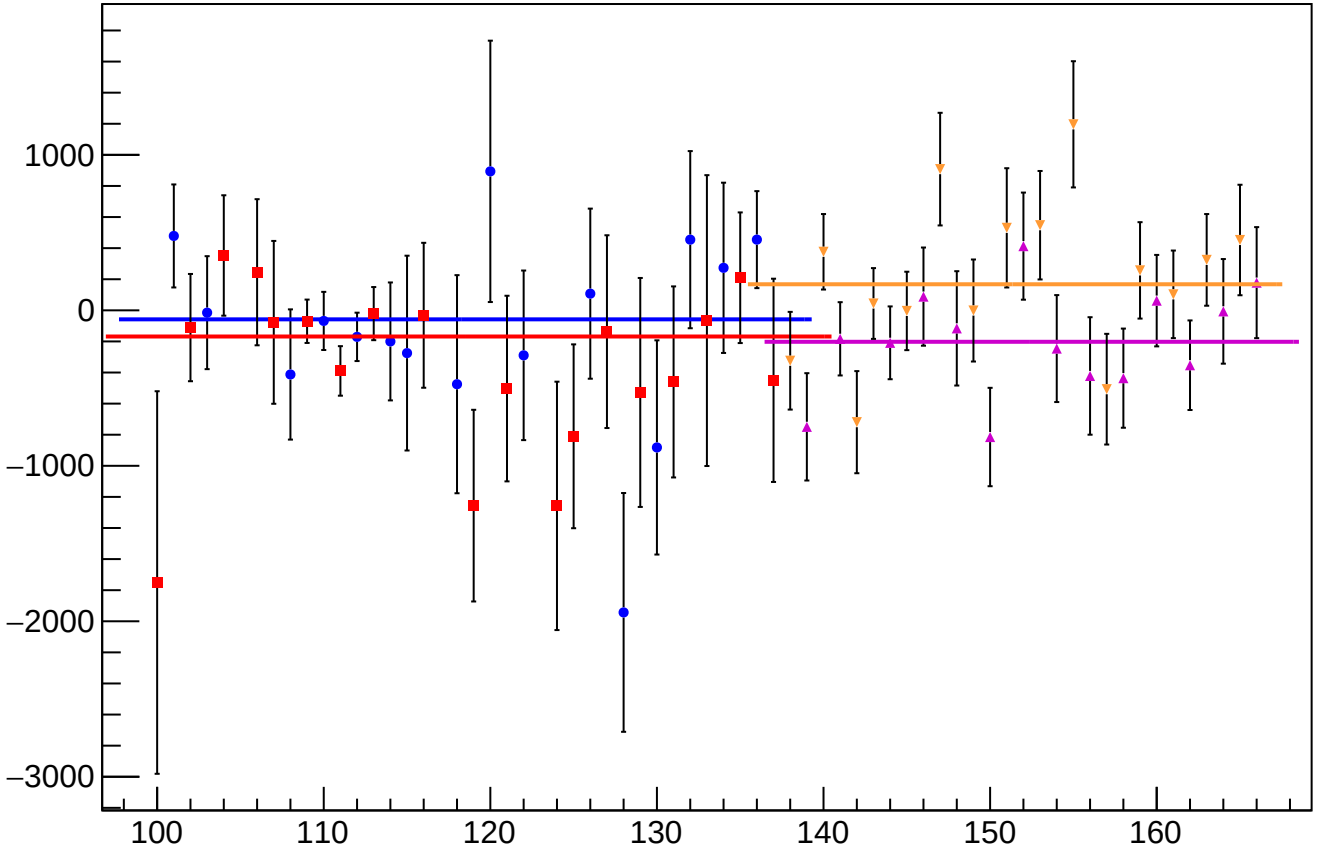
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 223.699+/-0.040 χ^2/NDF:6517055.4/29

Out: 194.295+/-0.036 χ^2/NDF:8729354.1/33

All: 207.251+/-0.027 χ^2/NDF: 15544154.1/63

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 167.717+/-79.130 χ^2/NDF:28.8/14

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -202.338+/-82.747 χ^2/NDF:13.8/13

Left: -9.047+/-57.189 χ^2/NDF: 53.1/28

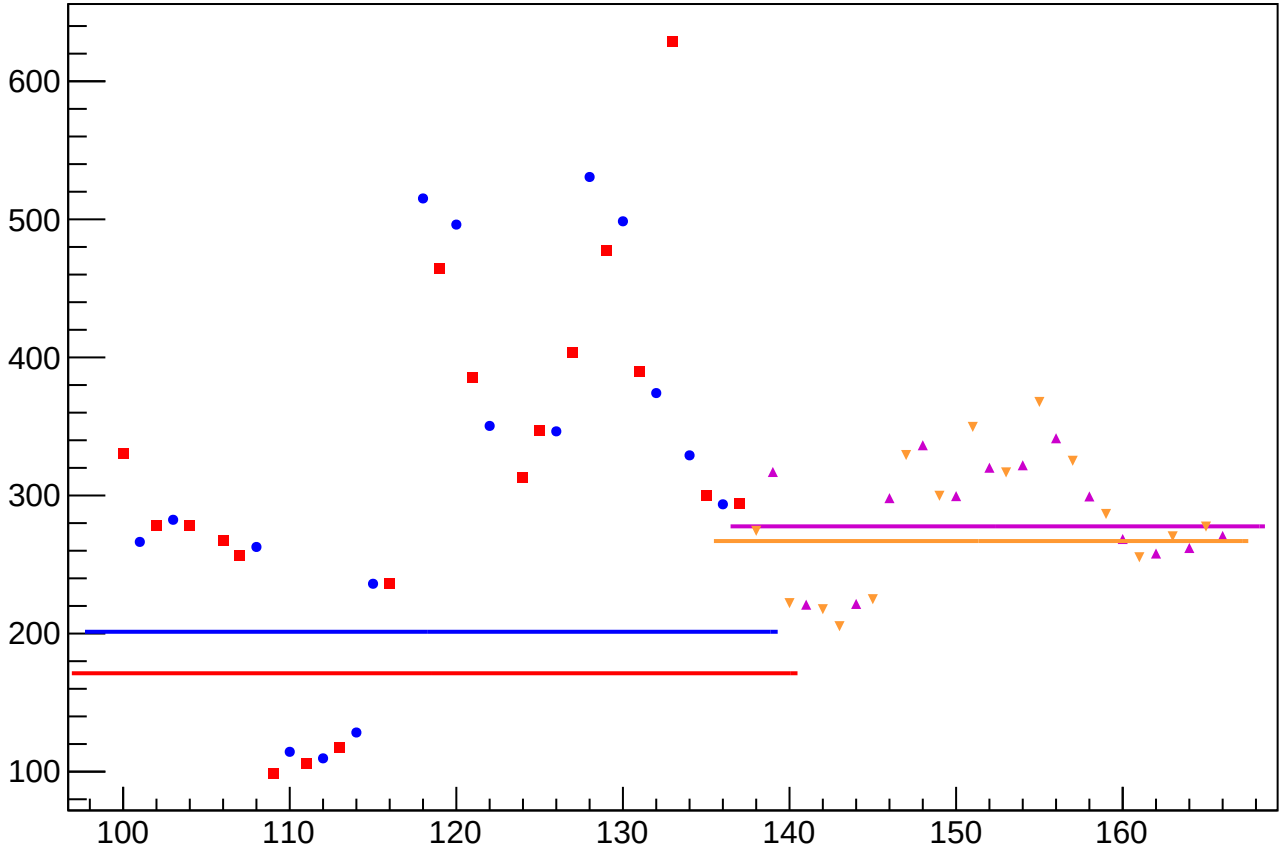
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -133.679+/-59.922 χ^2/NDF:32.6/29

Out: -10.201+/-54.280 χ^2/NDF:53.9/33

All: -65.854+/-40.229 χ^2/NDF: 88.9/63

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 267.004+/-0.056 χ^2/NDF:720156.3/14

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 277.653+/-0.059 χ^2/NDF:472159.4/13

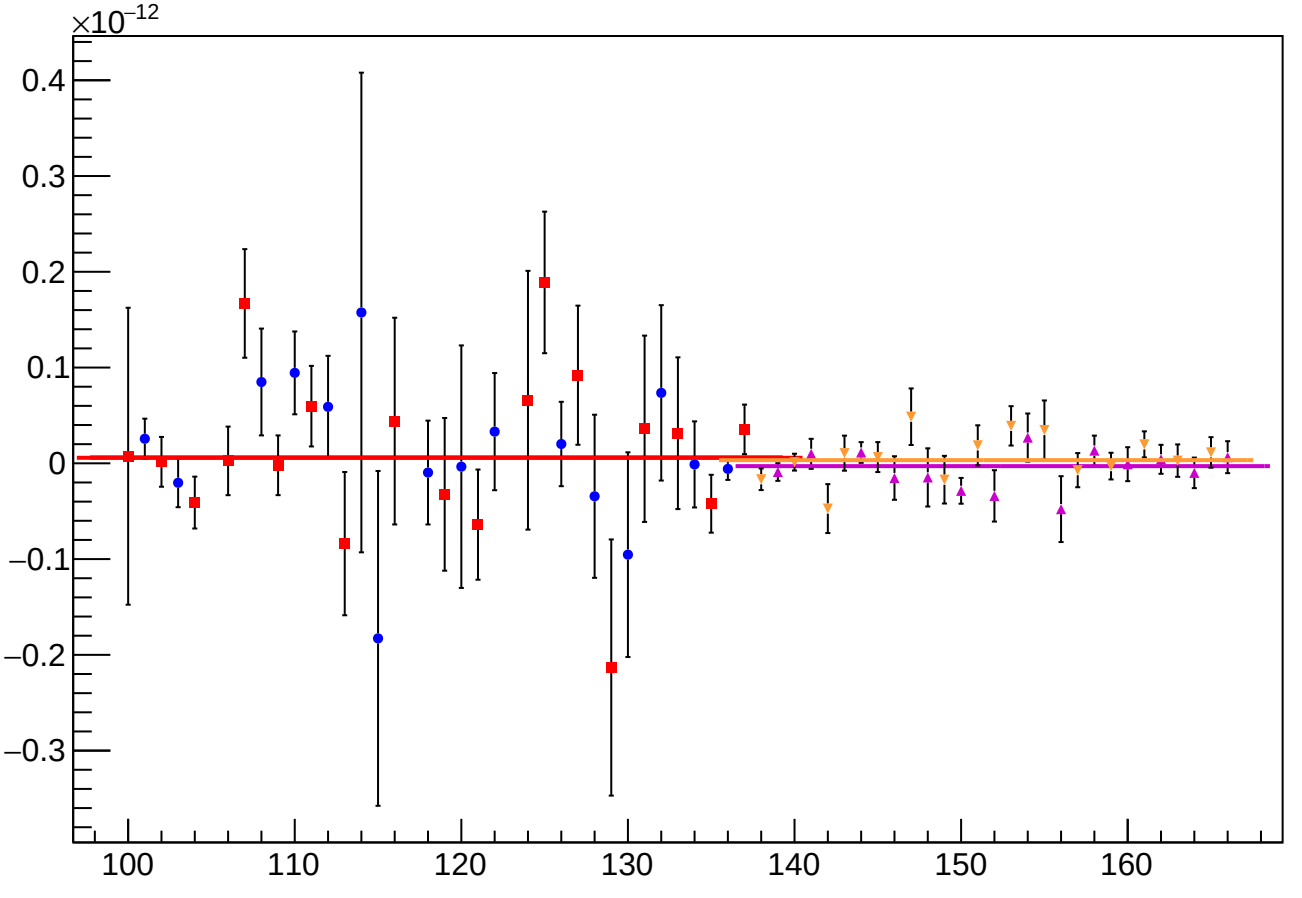
Left: 272.090+/-0.040 χ^2/NDF: 1209618.5/28

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 241.341+/-0.042 χ^2/NDF:4854191.6/29

Out: 216.307+/-0.038 χ^2/NDF:6463221.2/33

All: 227.590+/-0.028 χ^2/NDF: 11509150.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/13

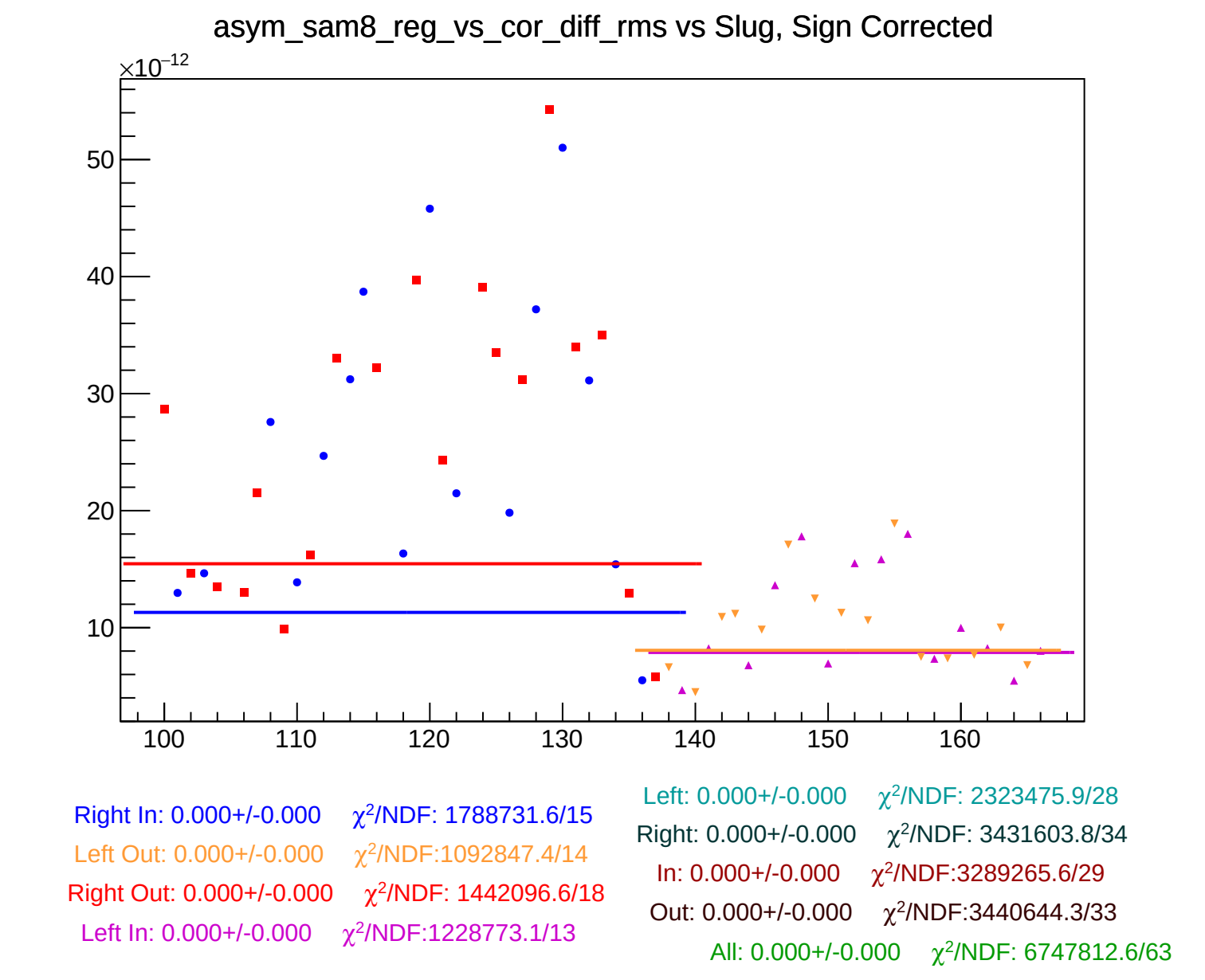
Left: 0.000+/-0.000 χ^2/NDF: 31.6/28

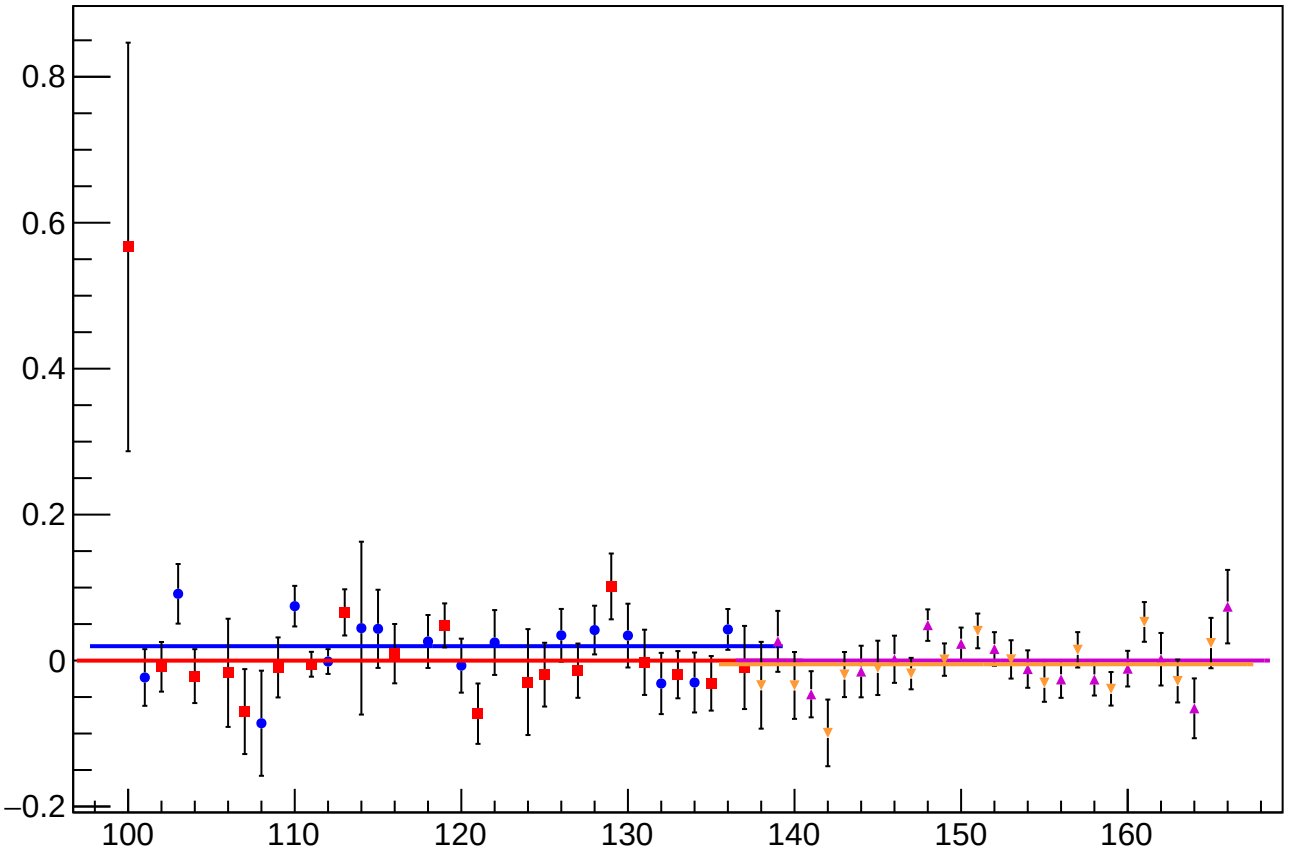
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:28.0/29

Out: 0.000+/-0.000 χ^2/NDF:47.8/33

All: 0.000+/-0.000 χ^2/NDF: 76.5/63


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1092847.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1228773.1/13
Left: 0.000+/-0.000 χ²/NDF: 2323475.9/28
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3289265.6/29
Out: 0.000+/-0.000 χ²/NDF:3440644.3/33
All: 0.000+/-0.000 χ²/NDF: 6747812.6/63



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

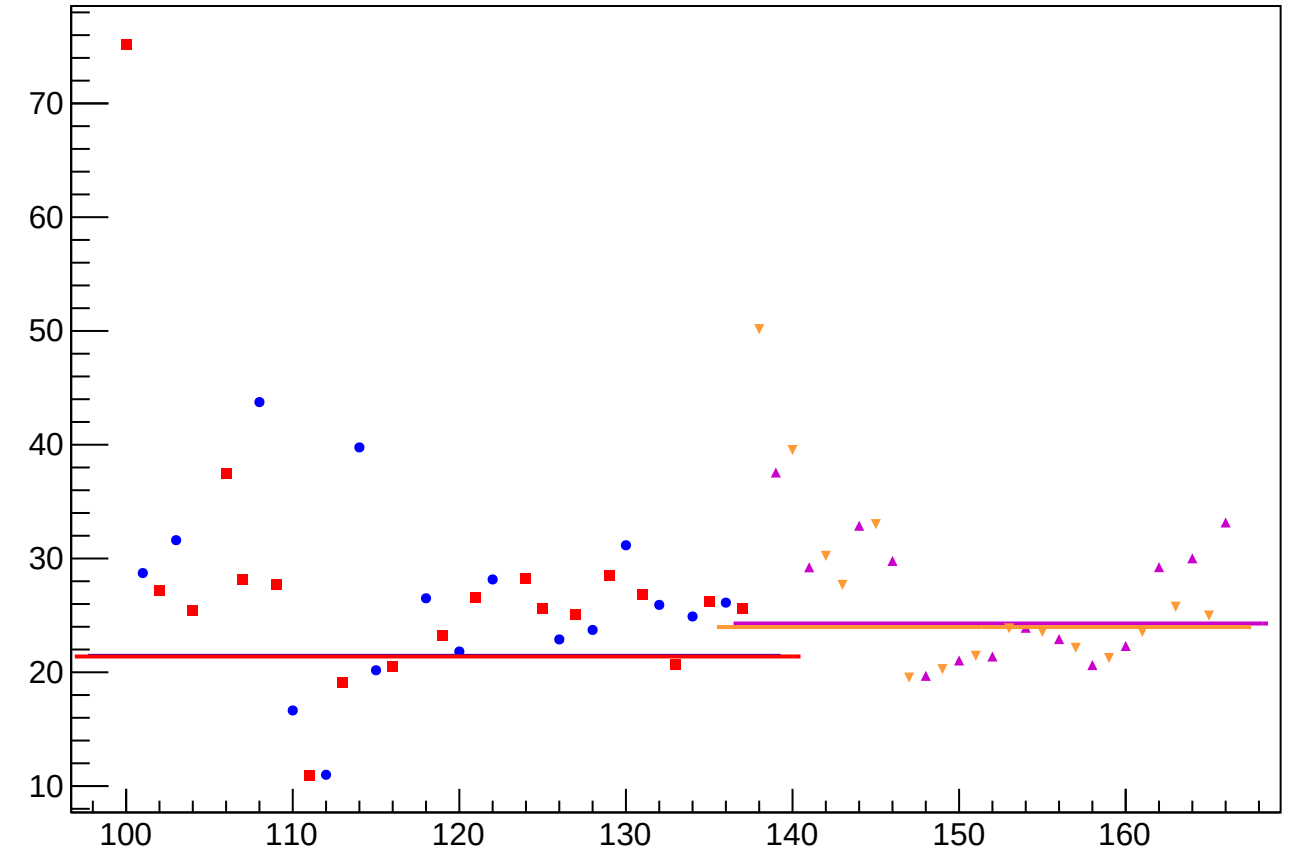
Left: -0.003+/-0.005 χ^2/NDF: 36.0/28

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.003+/-0.004 χ^2/NDF: 80.8/63



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.7/13

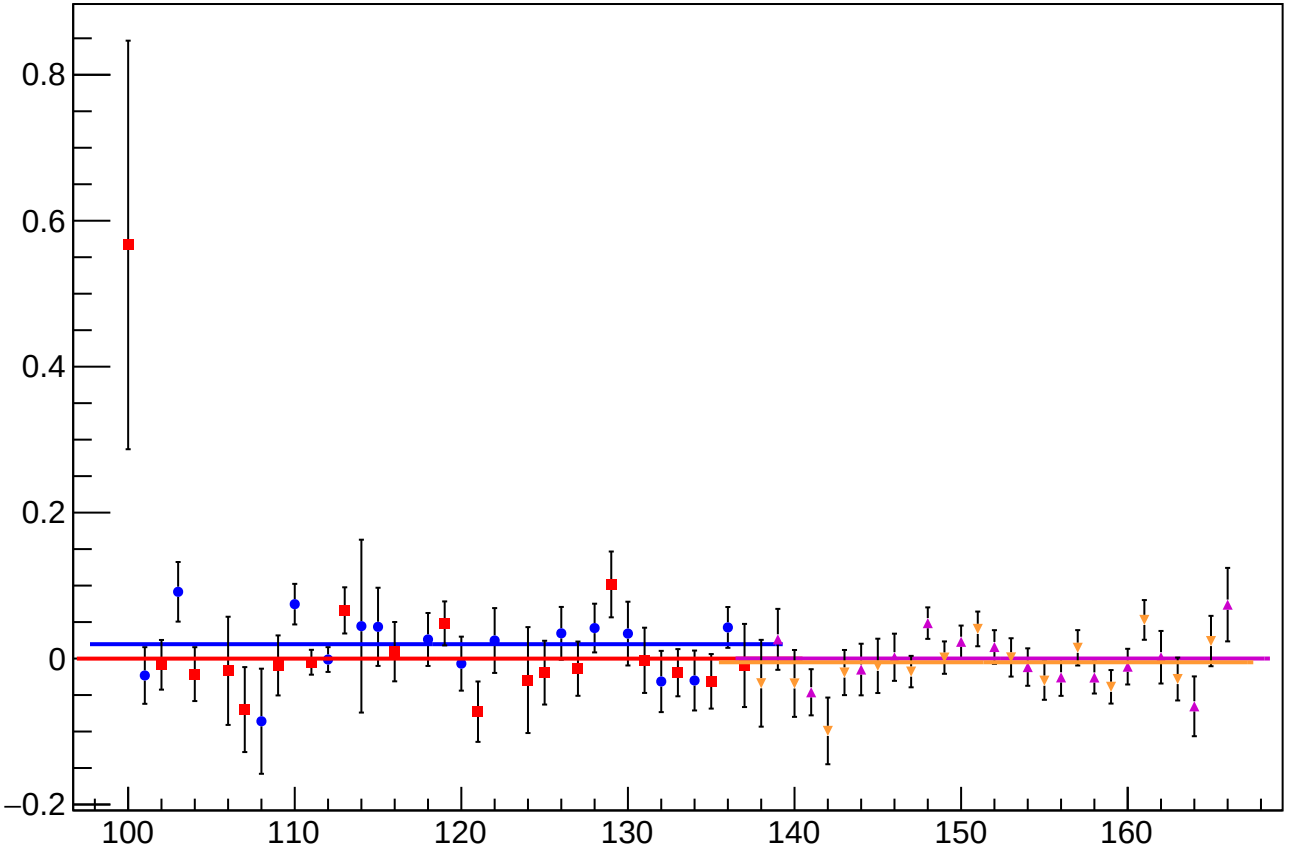
Left: 24.127+/-0.004 χ^2/NDF: 1822730.9/28

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.079+/-0.004 χ^2/NDF:2469586.6/29

Out: 22.879+/-0.004 χ^2/NDF:2433699.3/33

All: 22.977+/-0.003 χ^2/NDF: 4904562.4/63



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

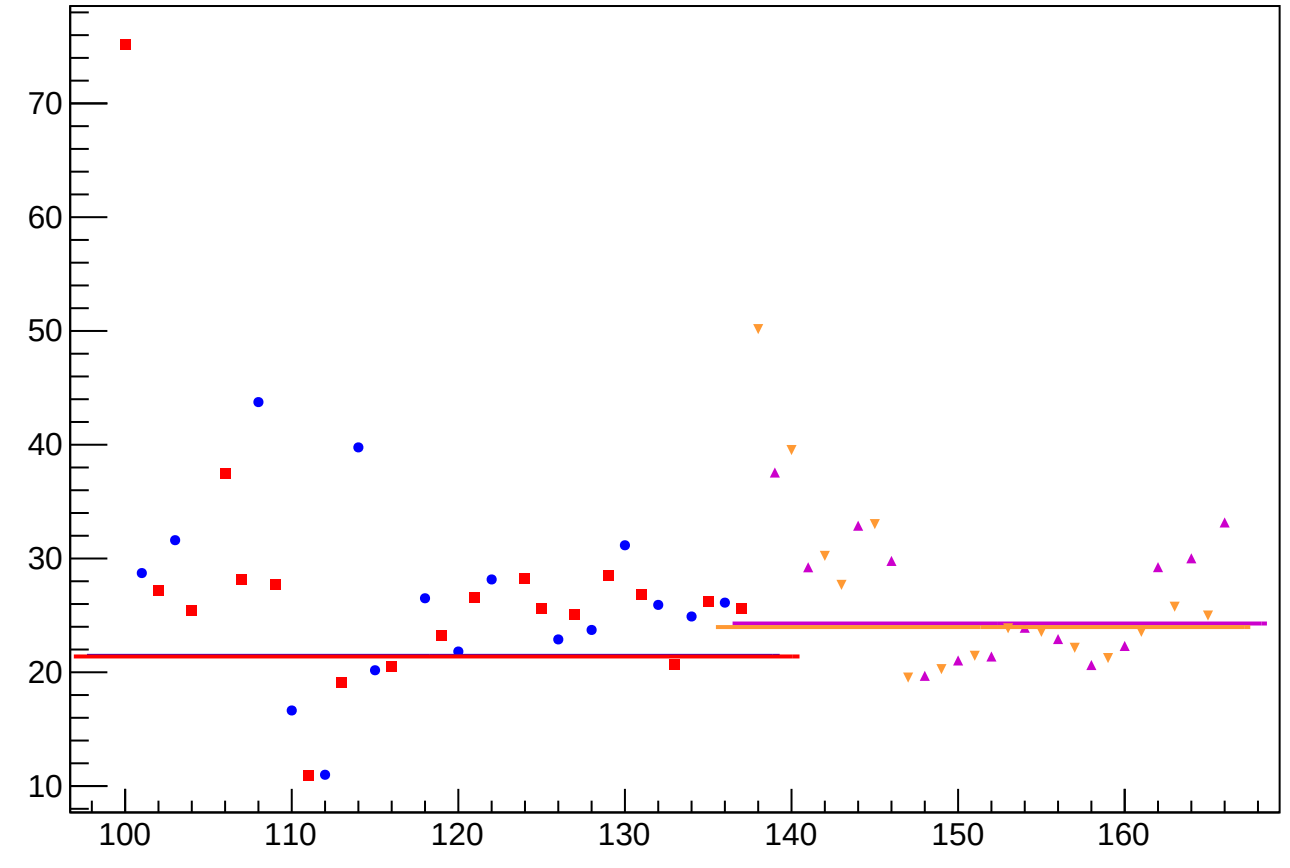
Left: -0.003+/-0.005 χ^2/NDF: 36.0/28

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.003+/-0.004 χ^2/NDF: 80.8/63



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.7/13

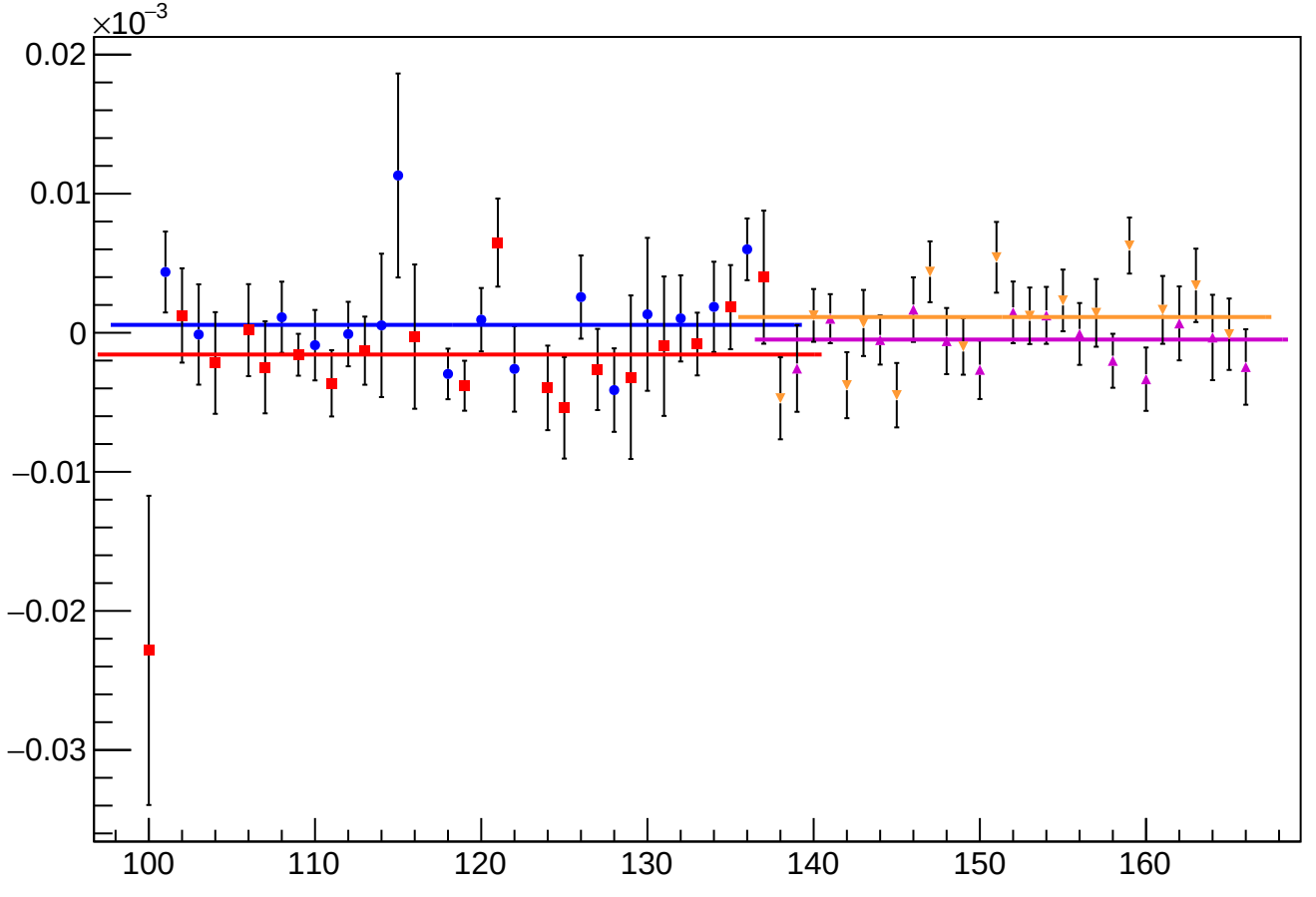
Left: 24.127+/-0.004 χ^2/NDF: 1822730.9/28

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.079+/-0.004 χ^2/NDF:2469586.6/29

Out: 22.879+/-0.004 χ^2/NDF:2433699.3/33

All: 22.977+/-0.003 χ^2/NDF: 4904562.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/13

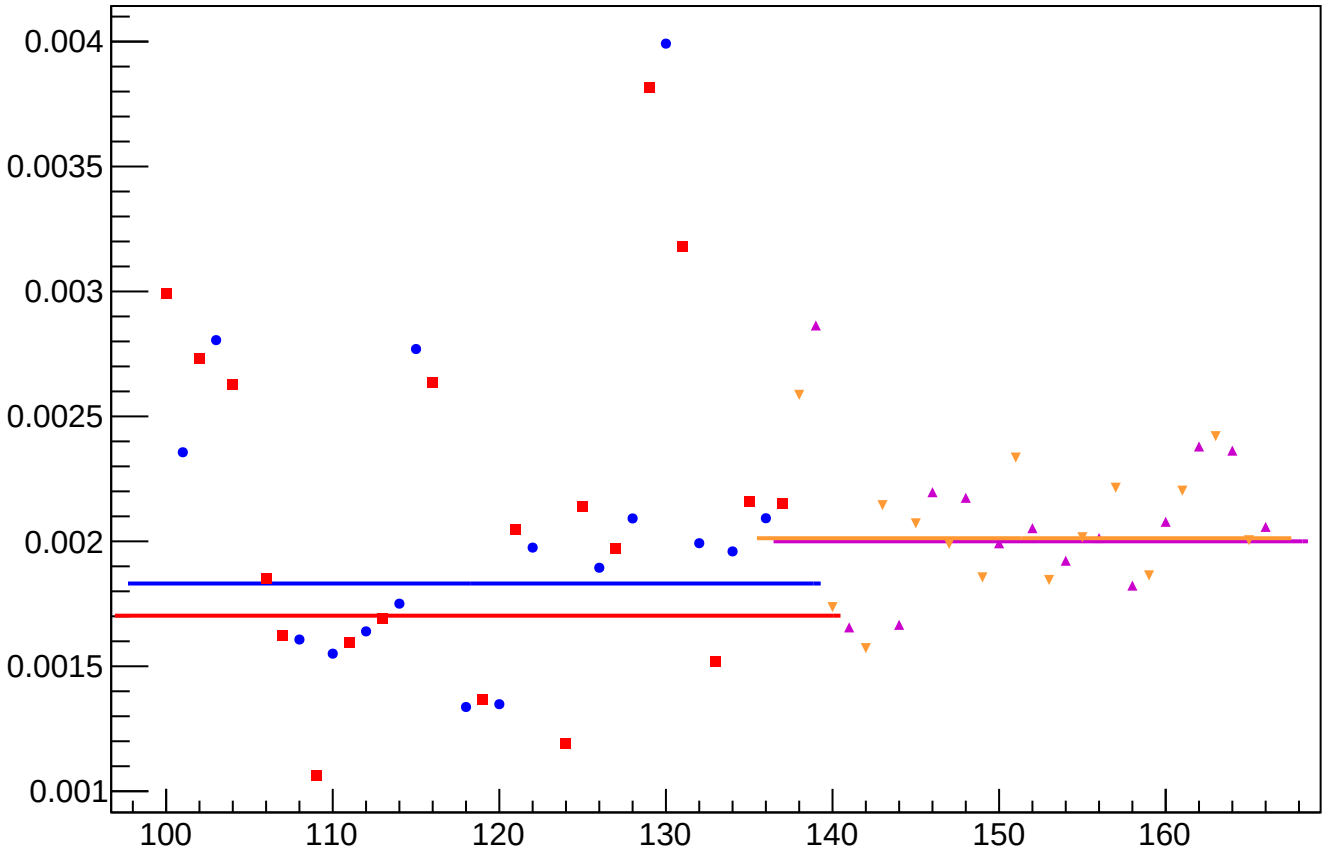
Left: 0.000+/-0.000 χ^2/NDF: 39.3/28

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:27.1/29

Out: -0.000+/-0.000 χ^2/NDF:55.6/33

All: -0.000+/-0.000 χ^2/NDF: 82.7/63



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336572.8/14

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:419394.6/13

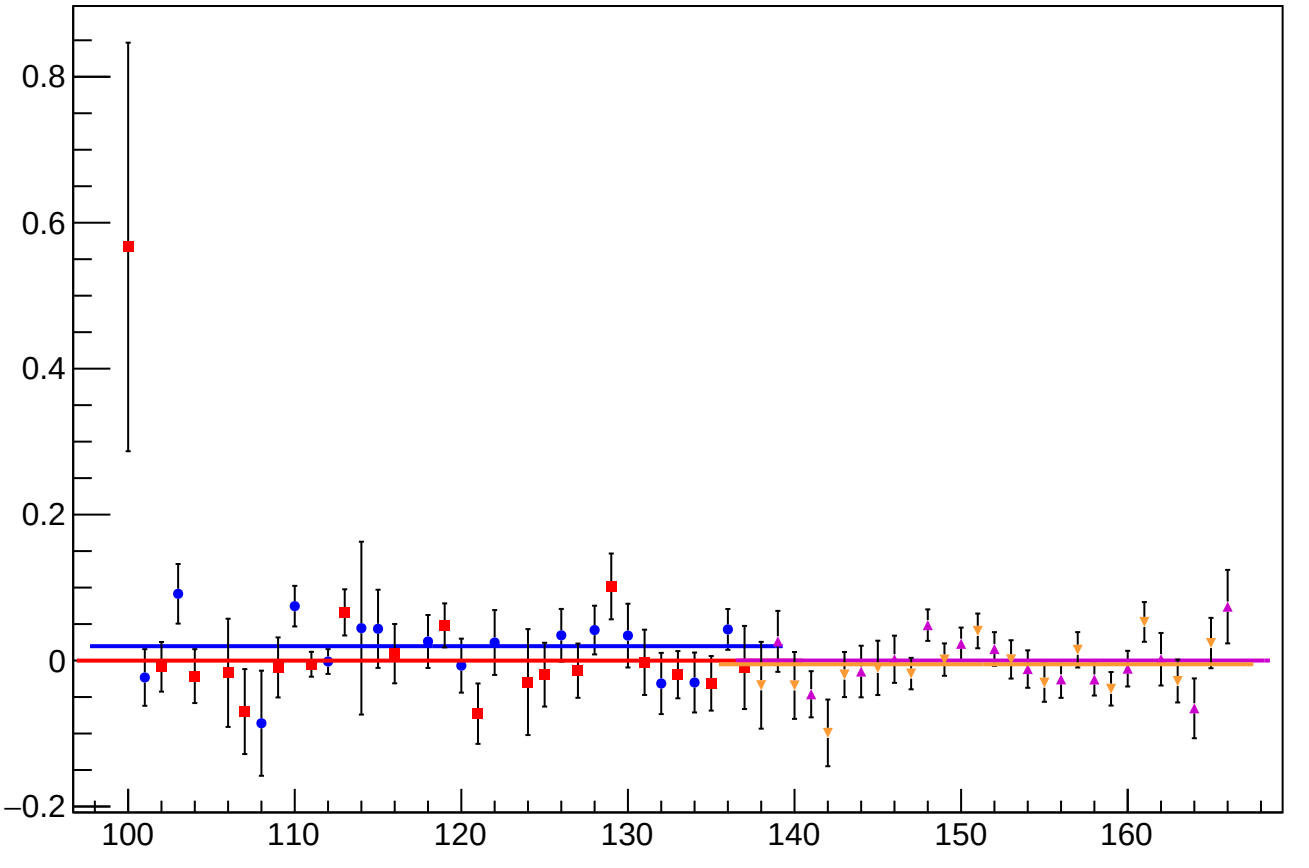
Left: 0.002+/-0.000 χ^2/NDF: 756401.8/28

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1386568.0/29

Out: 0.002+/-0.000 χ^2/NDF:2059794.6/33

All: 0.002+/-0.000 χ^2/NDF: 3461790.5/63



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

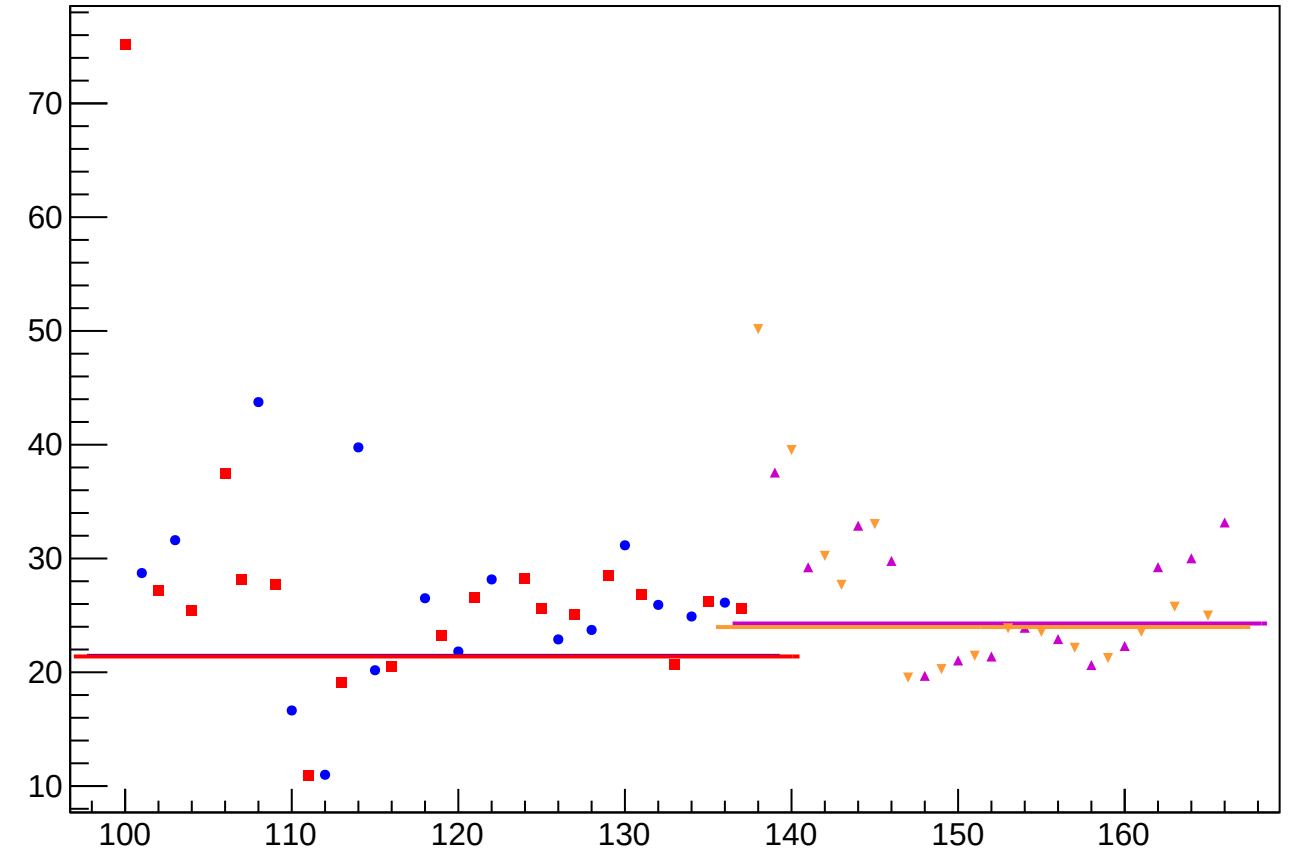
Left: -0.003+/-0.005 χ^2/NDF: 36.0/28

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.003+/-0.004 χ^2/NDF: 80.8/63



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015349.3/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.3/13

Left: 24.127+/-0.004 χ^2/NDF: 1822729.3/28

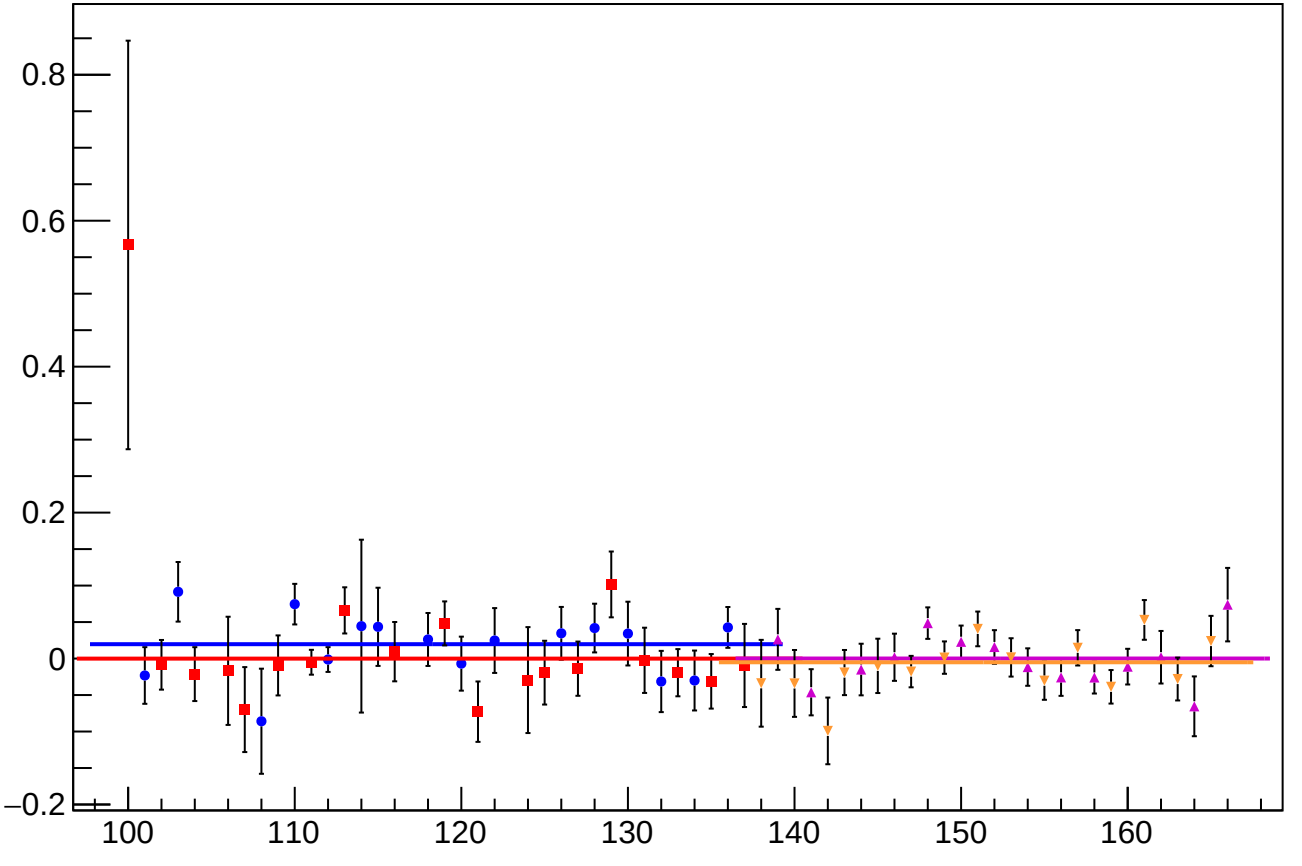
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.079+/-0.004 χ^2/NDF:2469803.6/29

Out: 22.879+/-0.004 χ^2/NDF:2433884.6/33

All: 22.977+/-0.003 χ^2/NDF: 4904964.6/63

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.000+/-0.007 χ^2/NDF:16.9/13

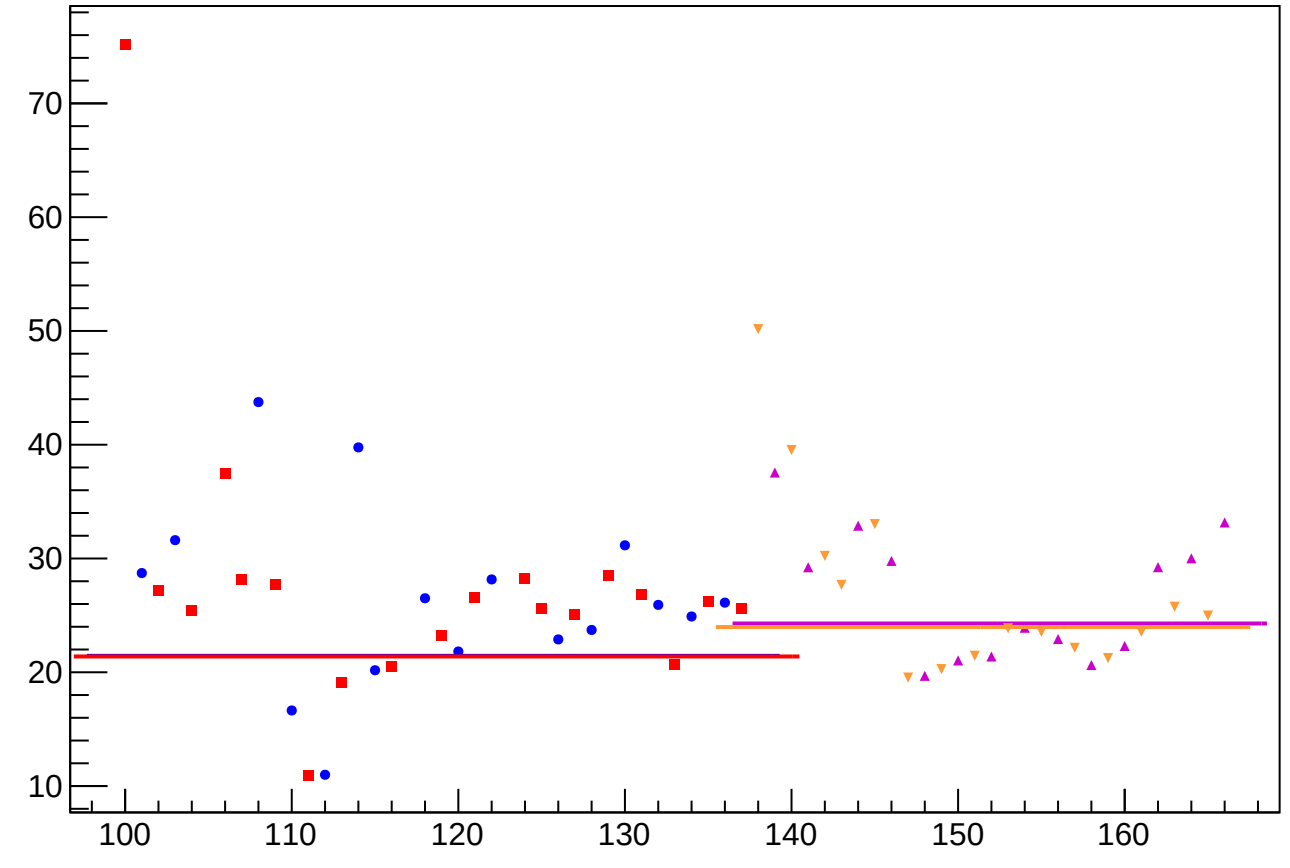
Left: -0.003+/-0.005 χ^2/NDF: 36.0/28

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:36.8/29

Out: -0.003+/-0.006 χ^2/NDF:41.9/33

All: 0.003+/-0.004 χ^2/NDF: 80.8/63



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015349.3/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.287+/-0.005 χ^2/NDF:805582.3/13

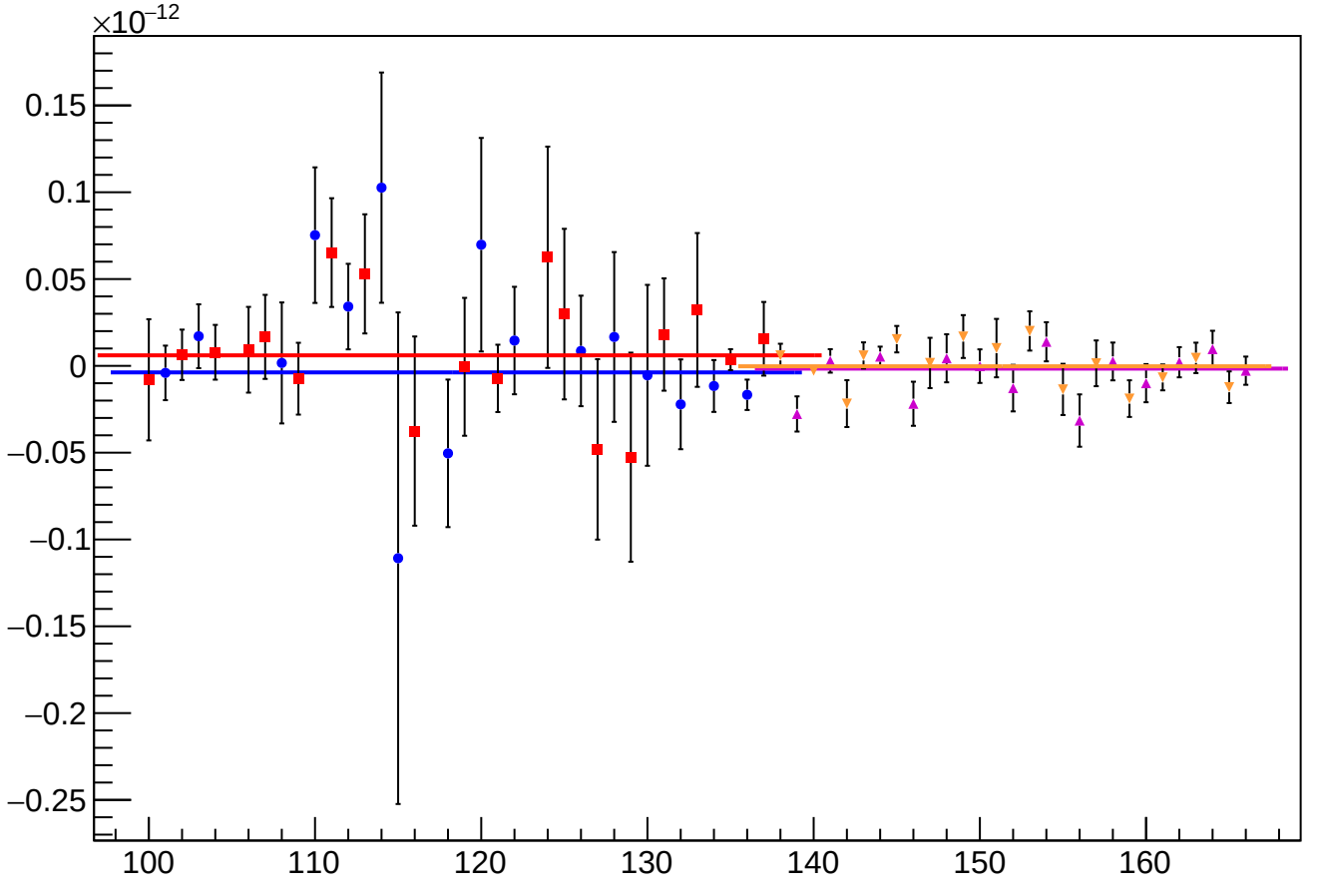
Left: 24.127+/-0.004 χ^2/NDF: 1822729.3/28

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.079+/-0.004 χ^2/NDF:2469803.6/29

Out: 22.879+/-0.004 χ^2/NDF:2433884.6/33

All: 22.977+/-0.003 χ^2/NDF: 4904964.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/13

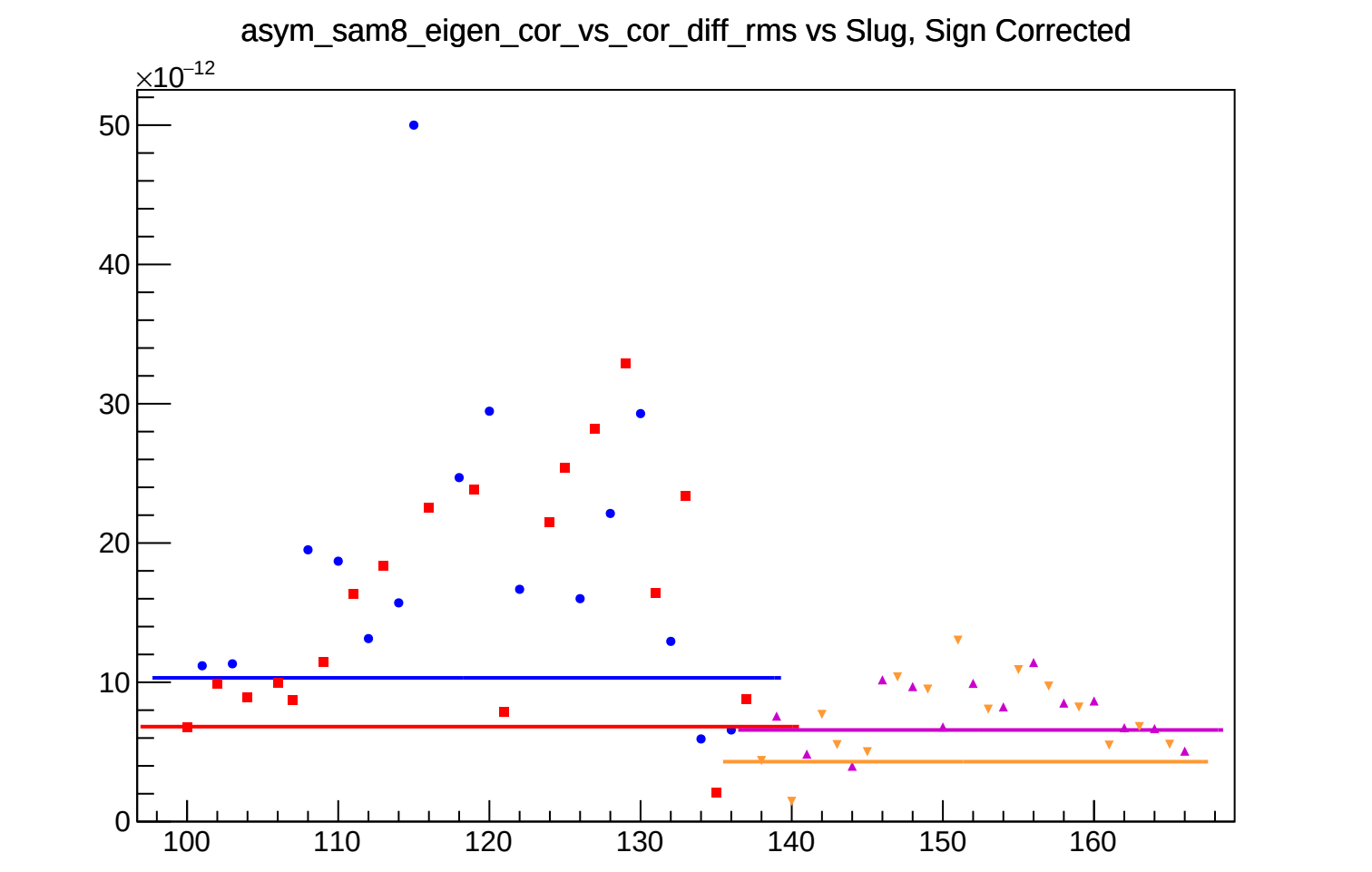
Left: -0.000+/-0.000 χ^2/NDF: 41.4/28

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/29

Out: 0.000+/-0.000 χ^2/NDF:34.4/33

All: -0.000+/-0.000 χ^2/NDF: 72.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4893213.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1406454.0/13

Left: 0.000+/-0.000 χ^2/NDF: 7323202.0/28

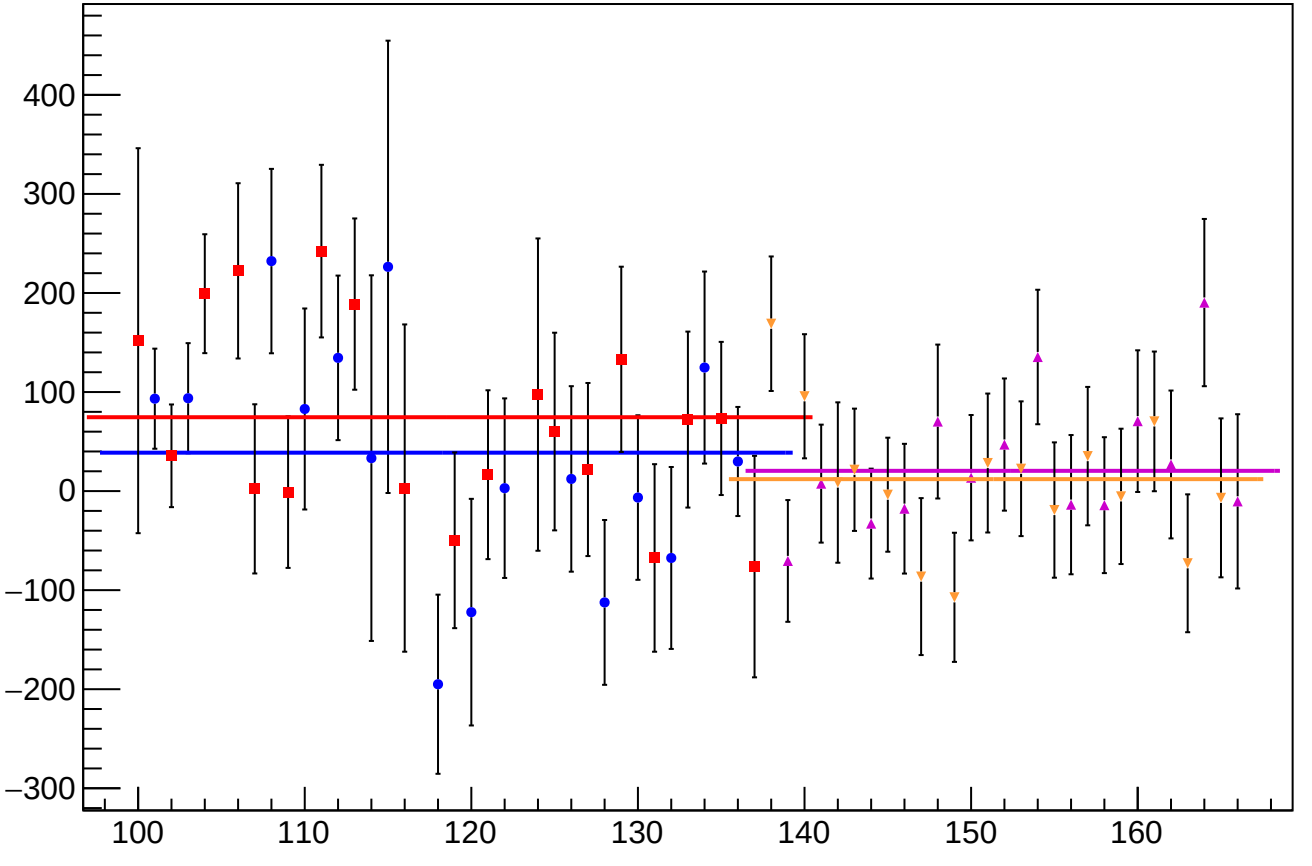
Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:4122180.6/29

Out: 0.000+/-0.000 χ^2/NDF:9477156.1/33

All: 0.000+/-0.000 χ^2/NDF: 15106293.7/63

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.066+/-17.681 χ^2/NDF:14.8/14

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 20.455+/-18.193 χ^2/NDF:12.1/13

Left: 16.141+/-12.680 χ^2/NDF: 27.0/28

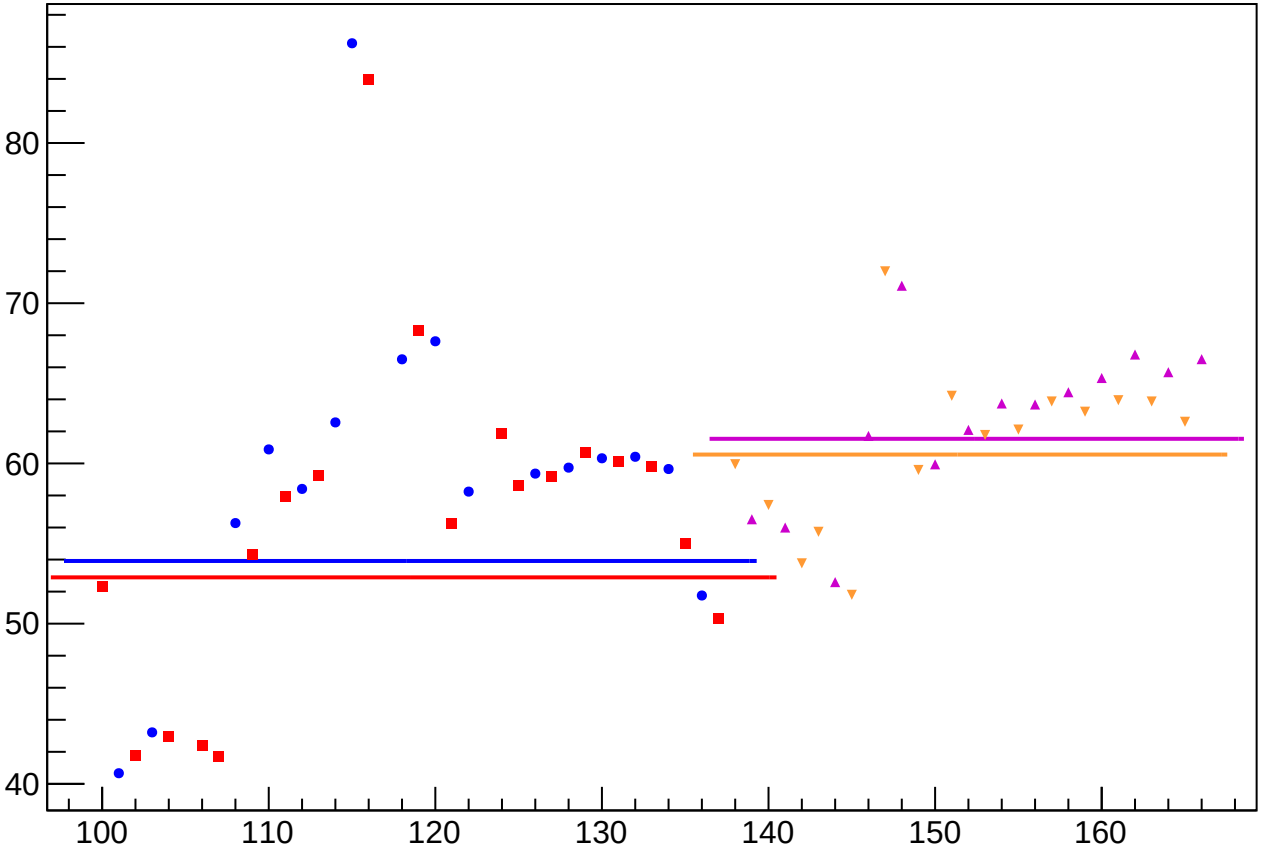
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.569+/-13.582 χ^2/NDF:35.9/29

Out: 39.797+/-13.189 χ^2/NDF:42.8/33

All: 34.348+/-9.462 χ^2/NDF: 79.0/63

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

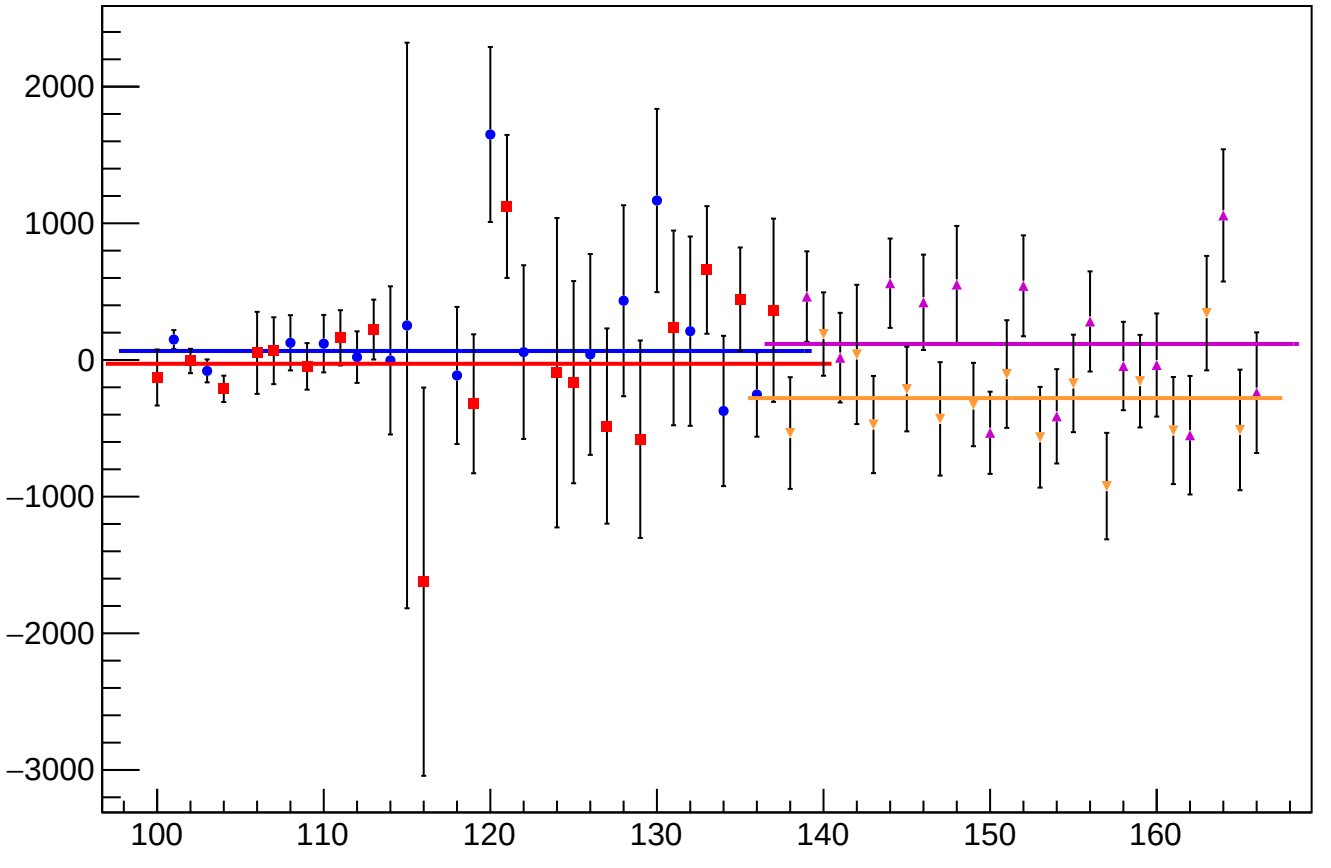
Left: 61.031+/-0.009 χ^2/NDF: 296655.2/28

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.161+/-0.010 χ^2/NDF:697416.3/29

Out: 57.154+/-0.009 χ^2/NDF:736973.0/33

All: 57.643+/-0.007 χ^2/NDF: 1440056.3/63



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -278.813+/-95.426 χ^2/NDF:10.3/14

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 117.235+/-96.672 χ^2/NDF:20.6/13

Left: -83.357+/-67.913 χ^2/NDF: 39.4/28

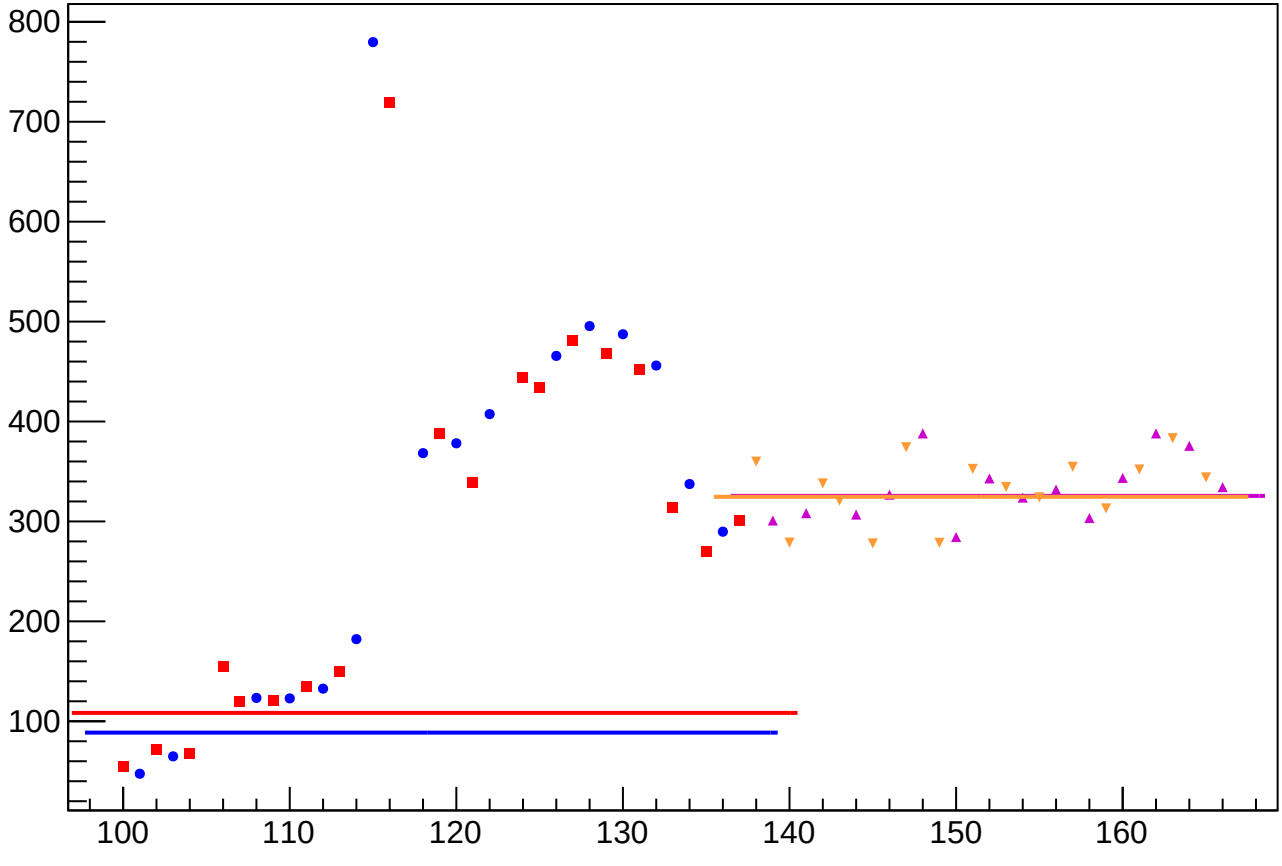
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 75.500+/-41.889 χ^2/NDF:36.5/29

Out: -82.402+/-44.491 χ^2/NDF:33.7/33

All: 1.302+/-30.498 χ^2/NDF: 76.9/63

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 324.673+/-0.067 χ^2/NDF:259869.3/14

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.585+/-0.068 χ^2/NDF:186079.5/13

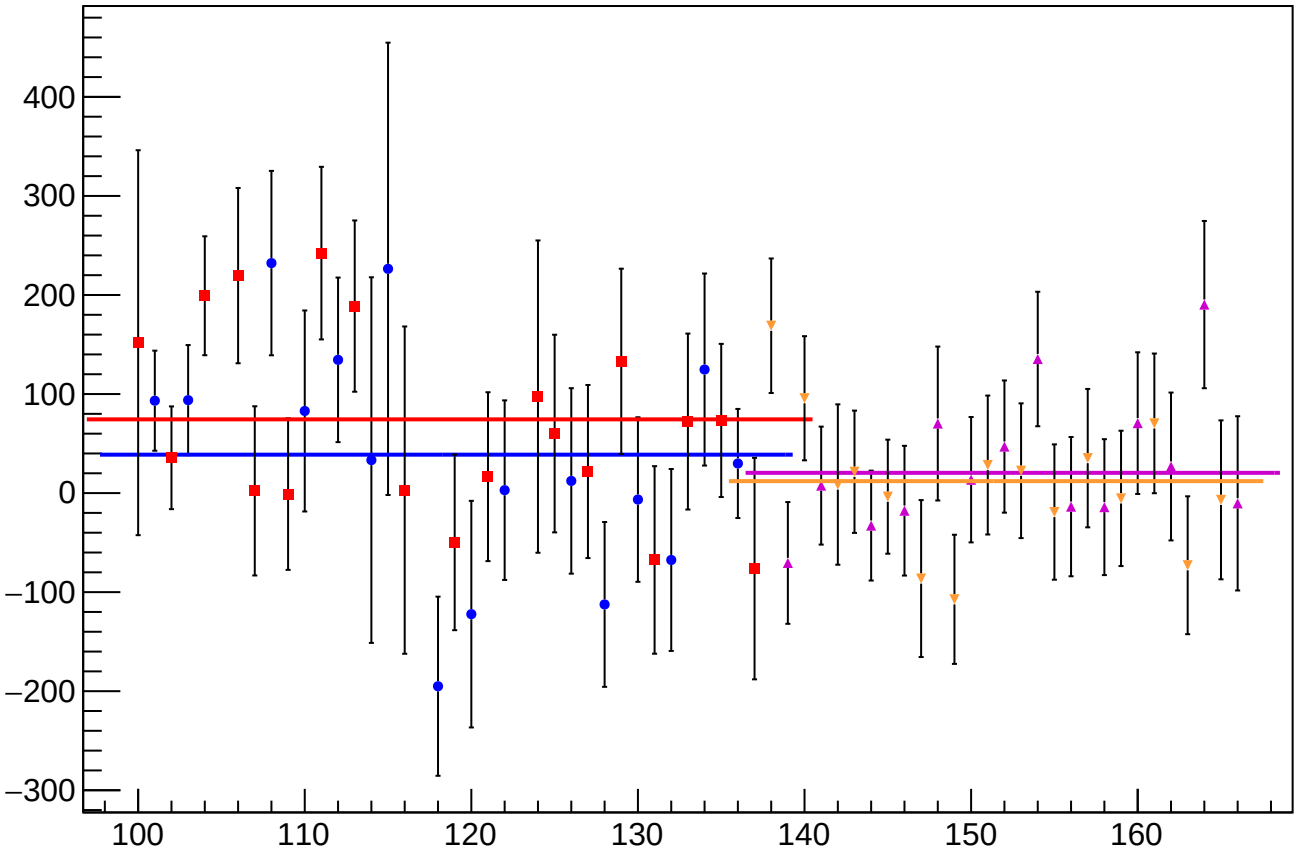
Left: 325.123+/-0.048 χ^2/NDF: 446039.0/28

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 133.142+/-0.030 χ^2/NDF:16591713.9/29

Out: 155.400+/-0.031 χ^2/NDF:13663713.8/33

All: 143.601+/-0.022 χ^2/NDF: 30520788.2/63



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.067+/-17.681 χ^2/NDF:14.8/14

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 20.454+/-18.193 χ^2/NDF:12.1/13

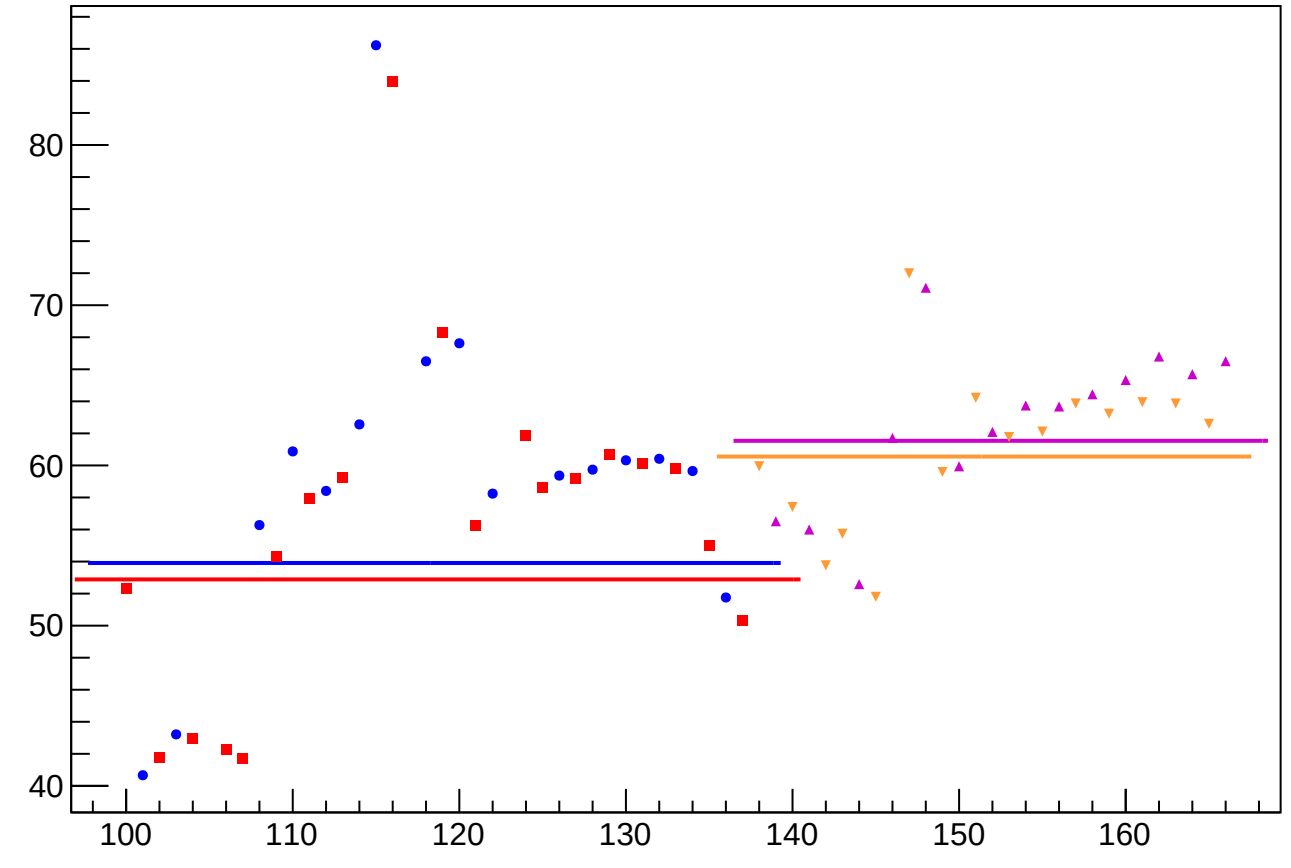
Left: 16.140+/-12.680 χ^2/NDF: 27.0/28

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.573+/-13.582 χ^2/NDF:35.9/29

Out: 39.735+/-13.189 χ^2/NDF:42.7/33

All: 34.318+/-9.462 χ^2/NDF: 78.9/63



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

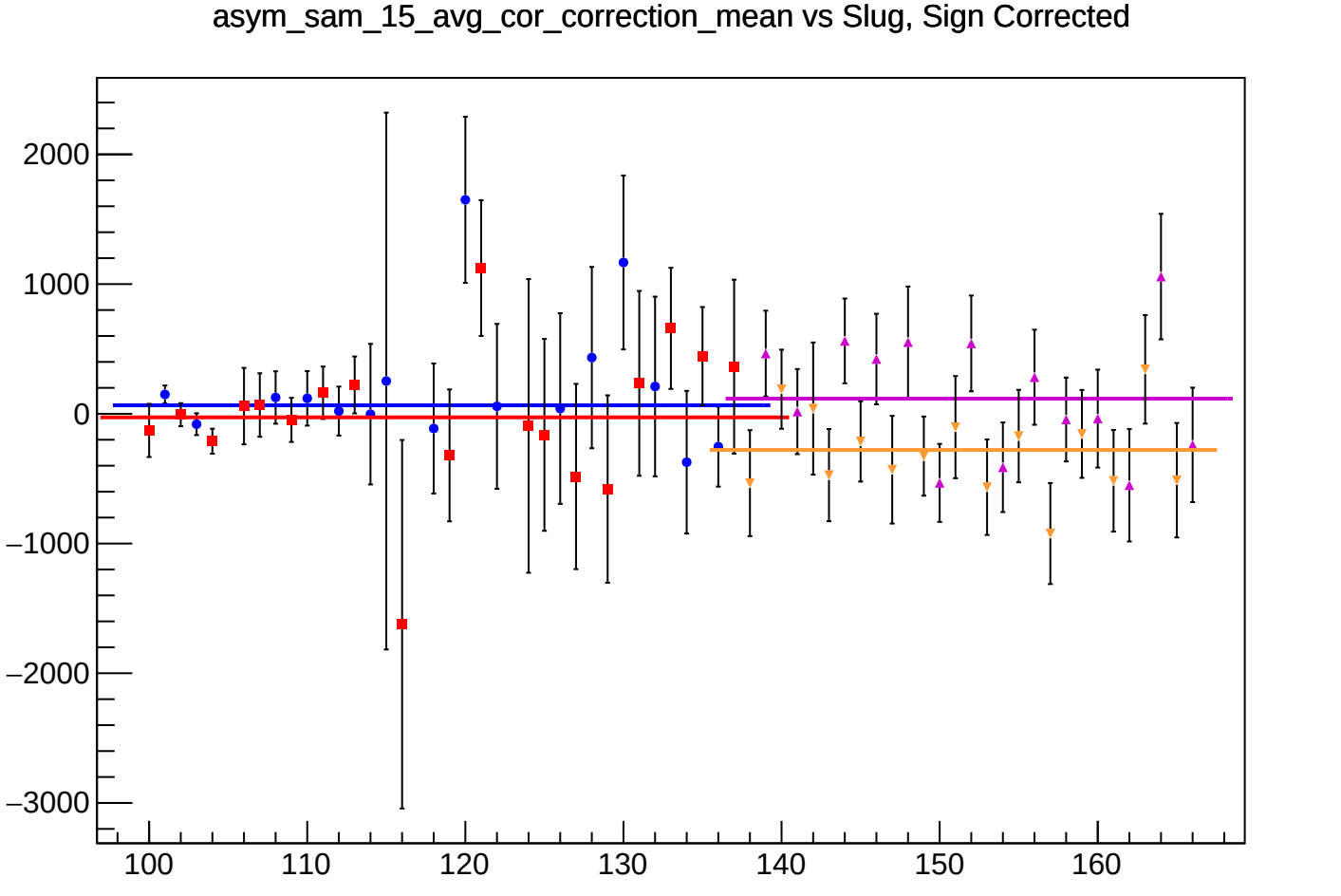
Left: 61.031+/-0.009 χ^2/NDF: 296655.2/28

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.161+/-0.010 χ^2/NDF:697415.4/29

Out: 57.153+/-0.009 χ^2/NDF:737365.1/33

All: 57.642+/-0.007 χ^2/NDF: 1440455.5/63



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 117.234+/-96.672 χ^2/NDF:20.6/13

Left: -83.357+/-67.913 χ^2/NDF: 39.4/28

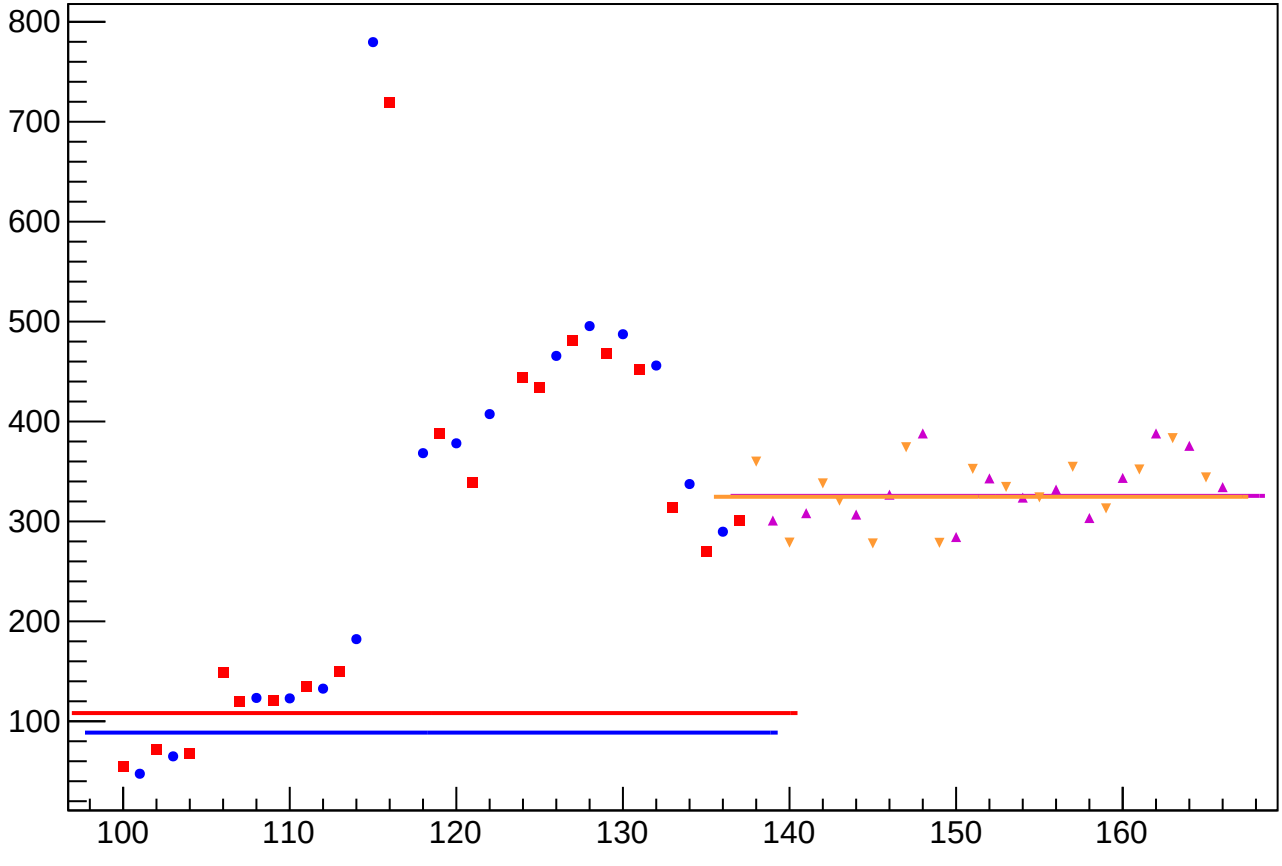
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 75.503+/-41.888 χ^2/NDF:36.5/29

Out: -81.981+/-44.461 χ^2/NDF:33.7/33

All: 1.450+/-30.488 χ^2/NDF: 76.9/63

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.584+/-0.068 χ^2/NDF:186083.9/13

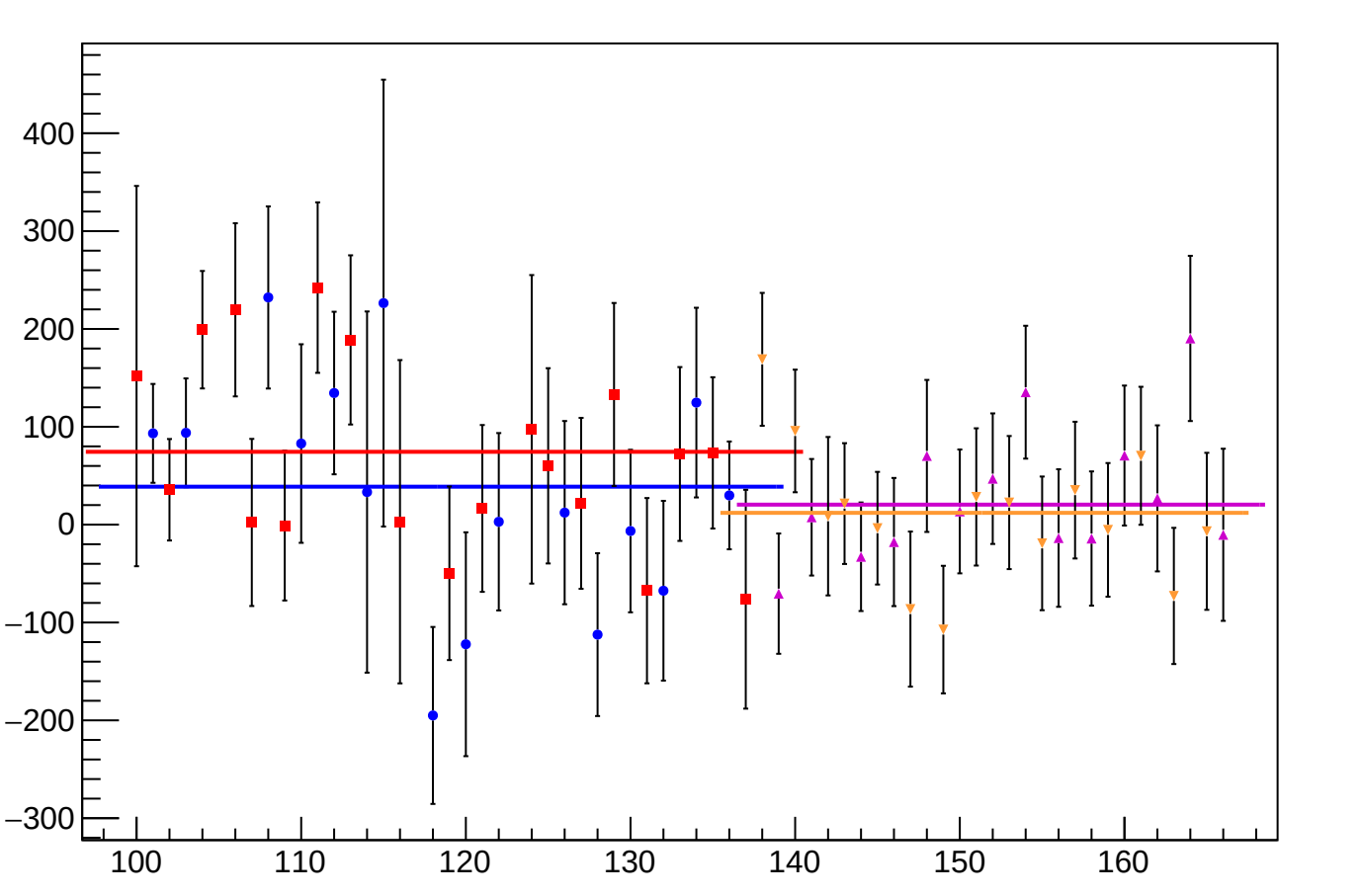
Left: 325.123+/-0.048 χ^2/NDF: 446042.4/28

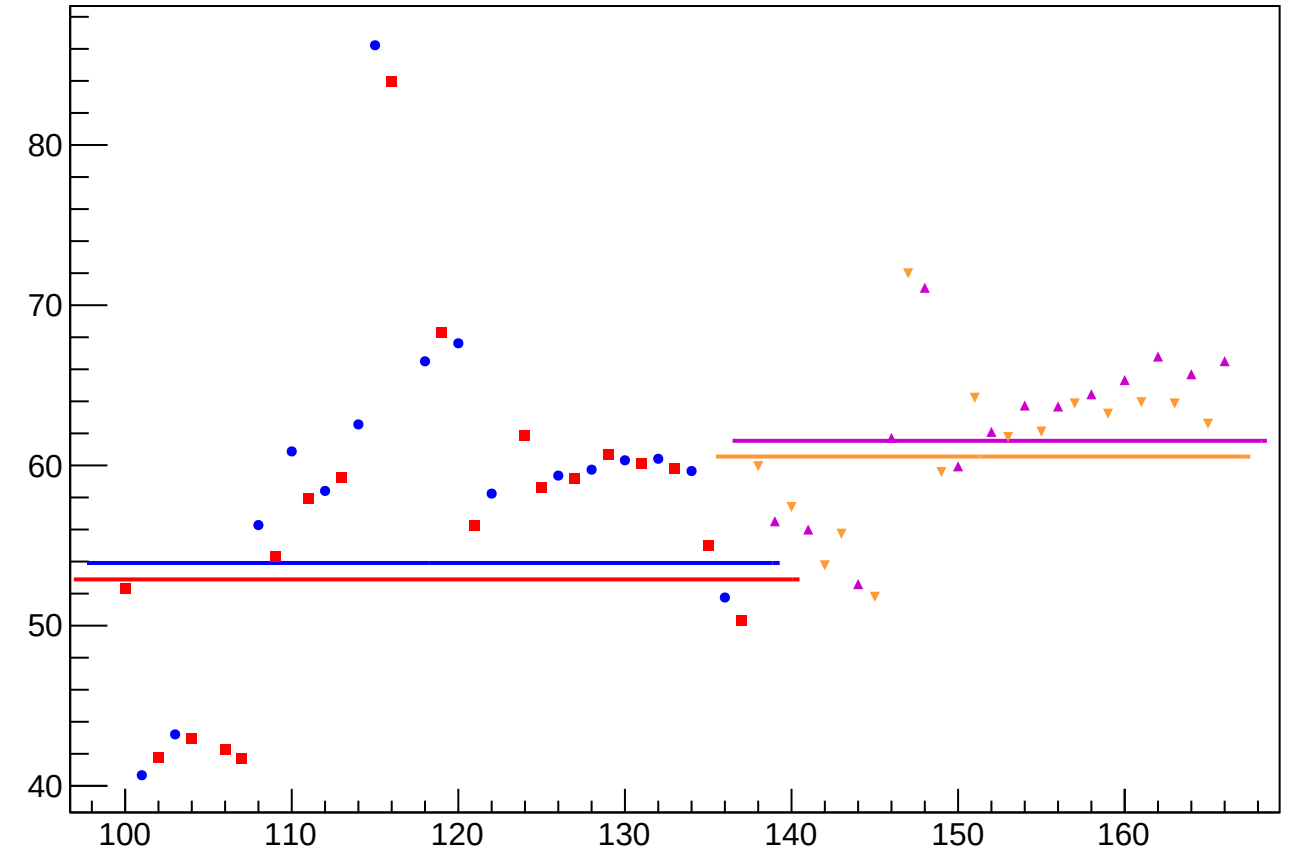
Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 133.138+/-0.030 χ^2/NDF:16592079.3/29

Out: 155.198+/-0.031 χ^2/NDF:13672001.6/33

All: 143.511+/-0.022 χ^2/NDF: 30524912.6/63


eigen_cor_asym_sam_15_avg_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 38.794+/-20.413 χ²/NDF: 23.3/15
Left Out: 12.067+/-17.681 χ²/NDF:14.8/14
Right Out: 74.442+/-19.803 χ²/NDF: 22.3/18
Left In: 20.454+/-18.193 χ²/NDF:12.1/13
Left: 16.140+/-12.680 χ²/NDF: 27.0/28
Right: 57.159+/-14.214 χ²/NDF: 47.2/34
In: 28.573+/-13.582 χ²/NDF:35.9/29
Out: 39.735+/-13.189 χ²/NDF:42.7/33
All: 34.318+/-9.462 χ²/NDF: 78.9/63



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.537+/-0.013 χ^2/NDF:148648.5/13

Left: 61.031+/-0.009 χ^2/NDF: 296655.2/28

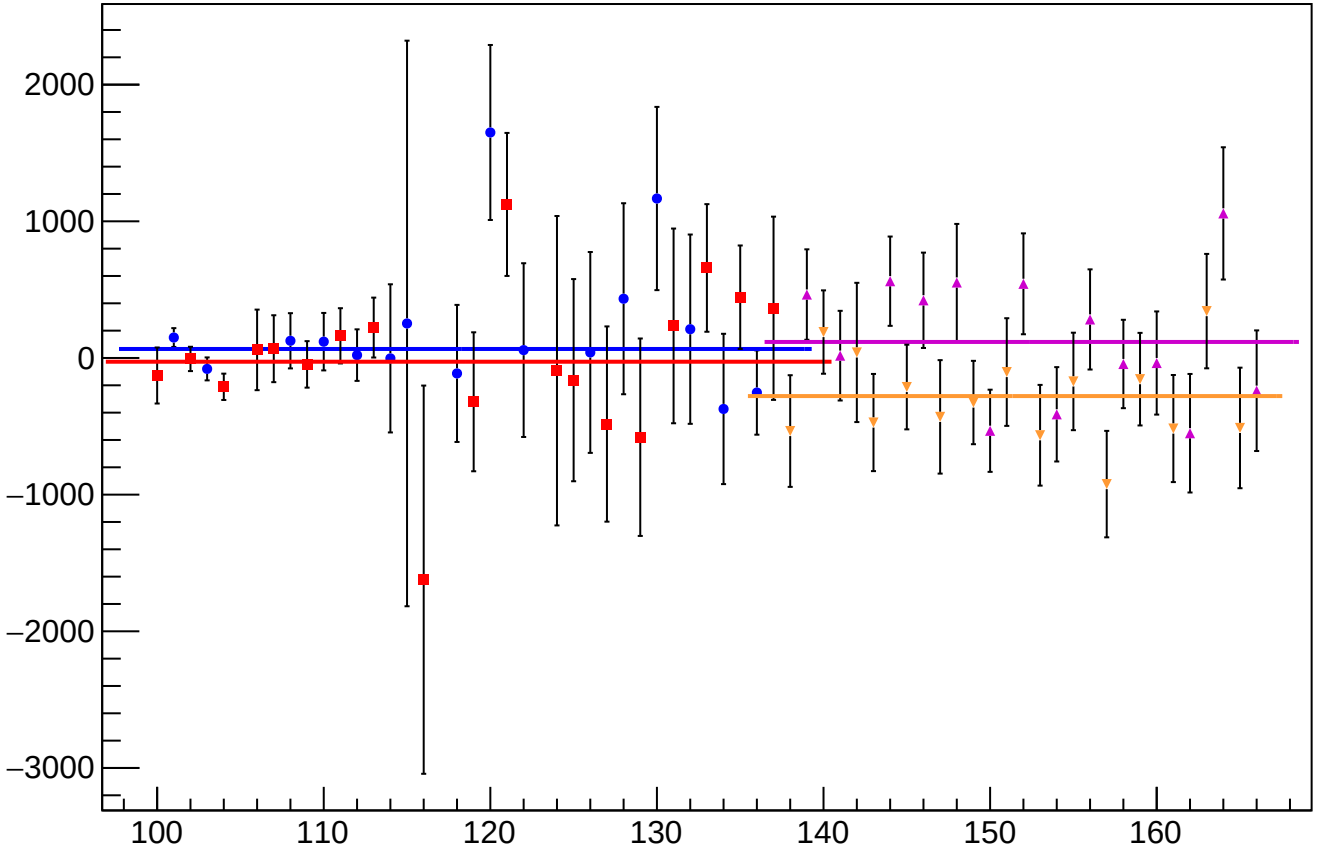
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.161+/-0.010 χ^2/NDF:697415.4/29

Out: 57.153+/-0.009 χ^2/NDF:737365.1/33

All: 57.642+/-0.007 χ^2/NDF: 1440455.5/63

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 117.234+/-96.672 χ^2/NDF:20.6/13

Left: -83.357+/-67.913 χ^2/NDF: 39.4/28

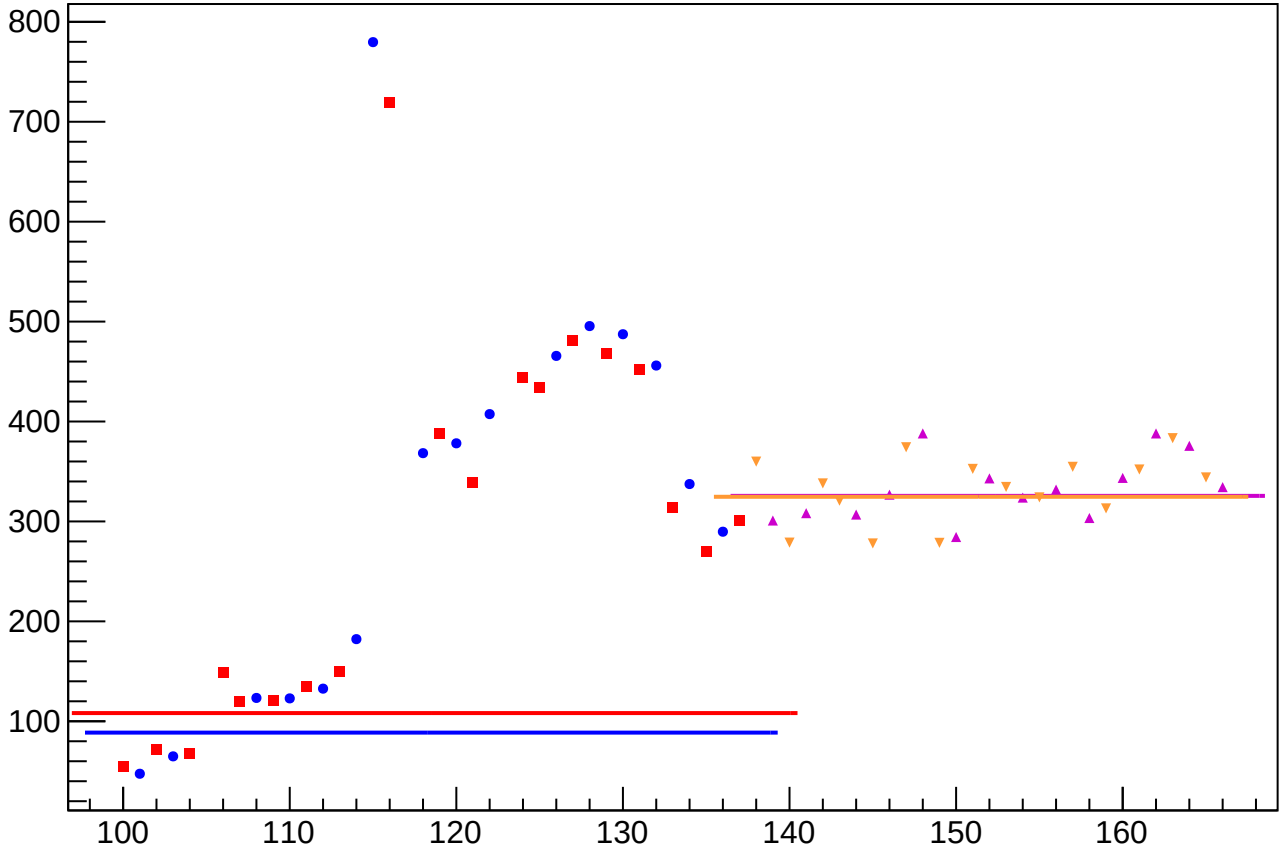
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 75.503+/-41.888 χ^2/NDF:36.5/29

Out: -81.981+/-44.461 χ^2/NDF:33.7/33

All: 1.450+/-30.488 χ^2/NDF: 76.9/63

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.584+/-0.068 χ^2/NDF:186083.9/13

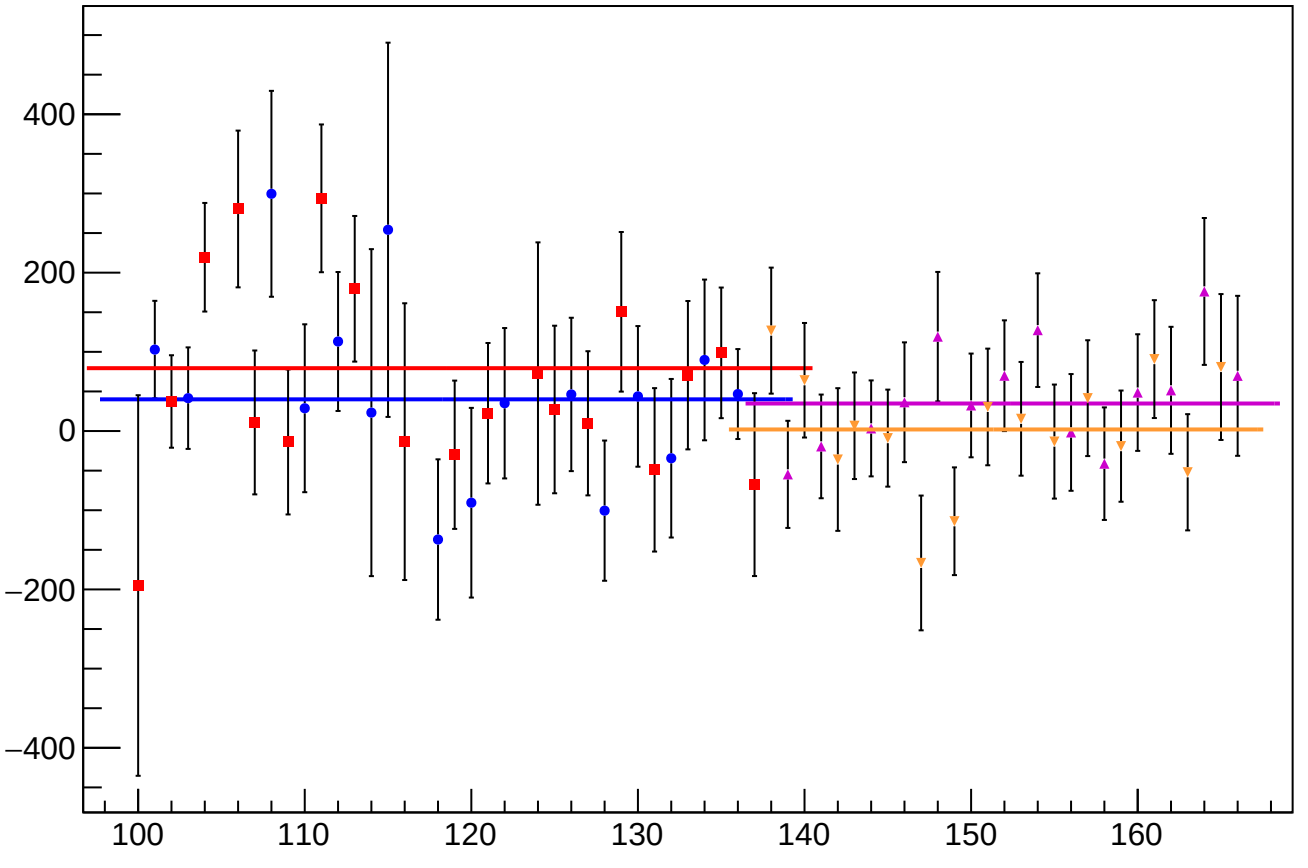
Left: 325.123+/-0.048 χ^2/NDF: 446042.4/28

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 133.138+/-0.030 χ^2/NDF:16592079.3/29

Out: 155.198+/-0.031 χ^2/NDF:13672001.6/33

All: 143.511+/-0.022 χ^2/NDF: 30524912.6/63



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.995+/-19.038 χ^2/NDF:13.6/14

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.764+/-19.548 χ^2/NDF:9.6/13

Left: 17.947+/-13.639 χ^2/NDF: 24.6/28

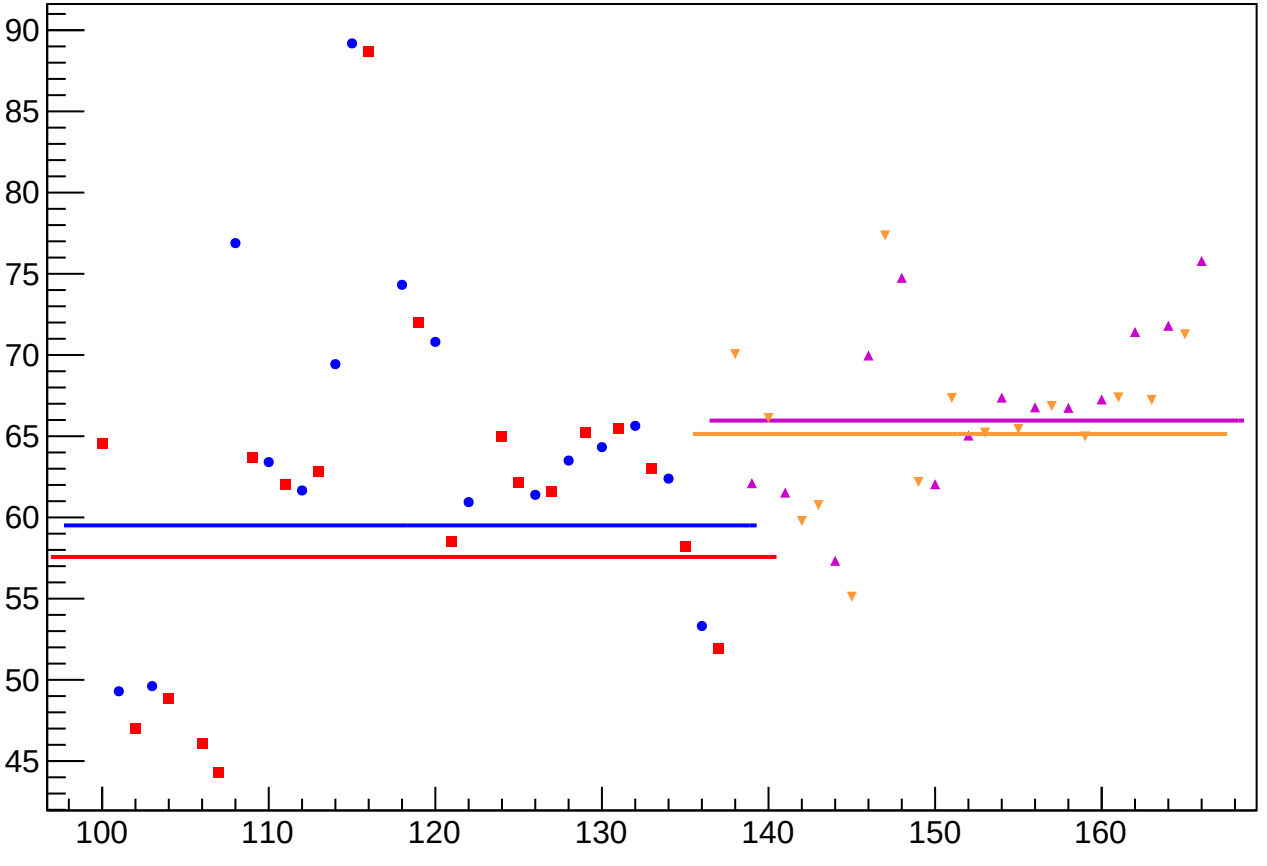
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 37.027+/-14.761 χ^2/NDF:23.8/29

Out: 35.868+/-14.276 χ^2/NDF:45.6/33

All: 36.428+/-10.262 χ^2/NDF: 69.4/63

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.141+/-0.013 χ^2/NDF:137449.5/14

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 65.964+/-0.014 χ^2/NDF:130547.0/13

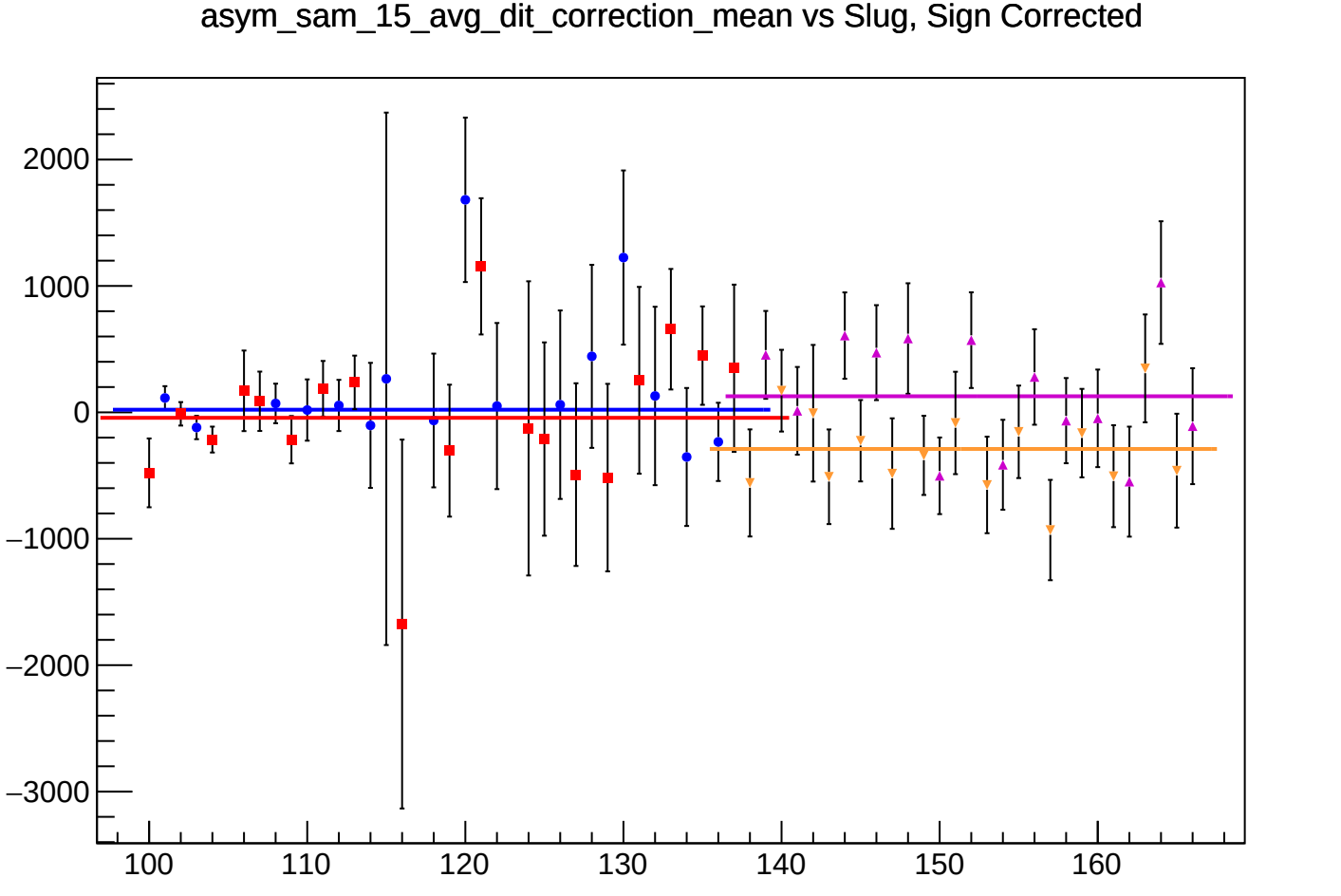
Left: 65.541+/-0.010 χ^2/NDF: 269817.5/28

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.189+/-0.010 χ^2/NDF:507481.3/29

Out: 61.825+/-0.010 χ^2/NDF:623378.1/33

All: 62.485+/-0.007 χ^2/NDF: 1139684.7/63



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 127.184+/-99.974 χ^2/NDF:19.7/13

Left: -83.537+/-70.302 χ^2/NDF: 38.2/28

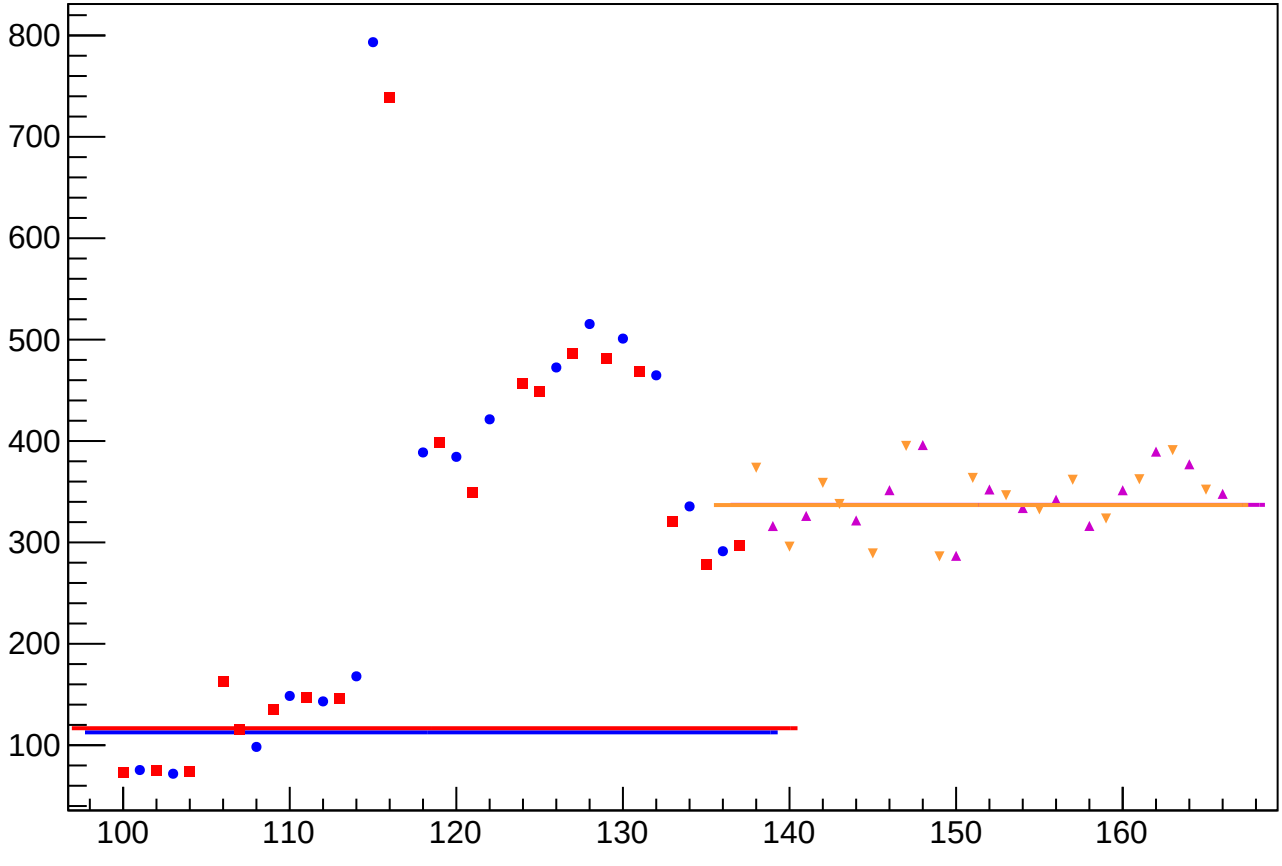
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 44.573+/-47.229 χ^2/NDF:35.2/29

Out: -98.595+/-46.856 χ^2/NDF:36.0/33

All: -27.577+/-33.263 χ^2/NDF: 75.9/63

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.846+/-0.070 χ^2/NDF:245846.6/14

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.039+/-0.071 χ^2/NDF:165648.9/13

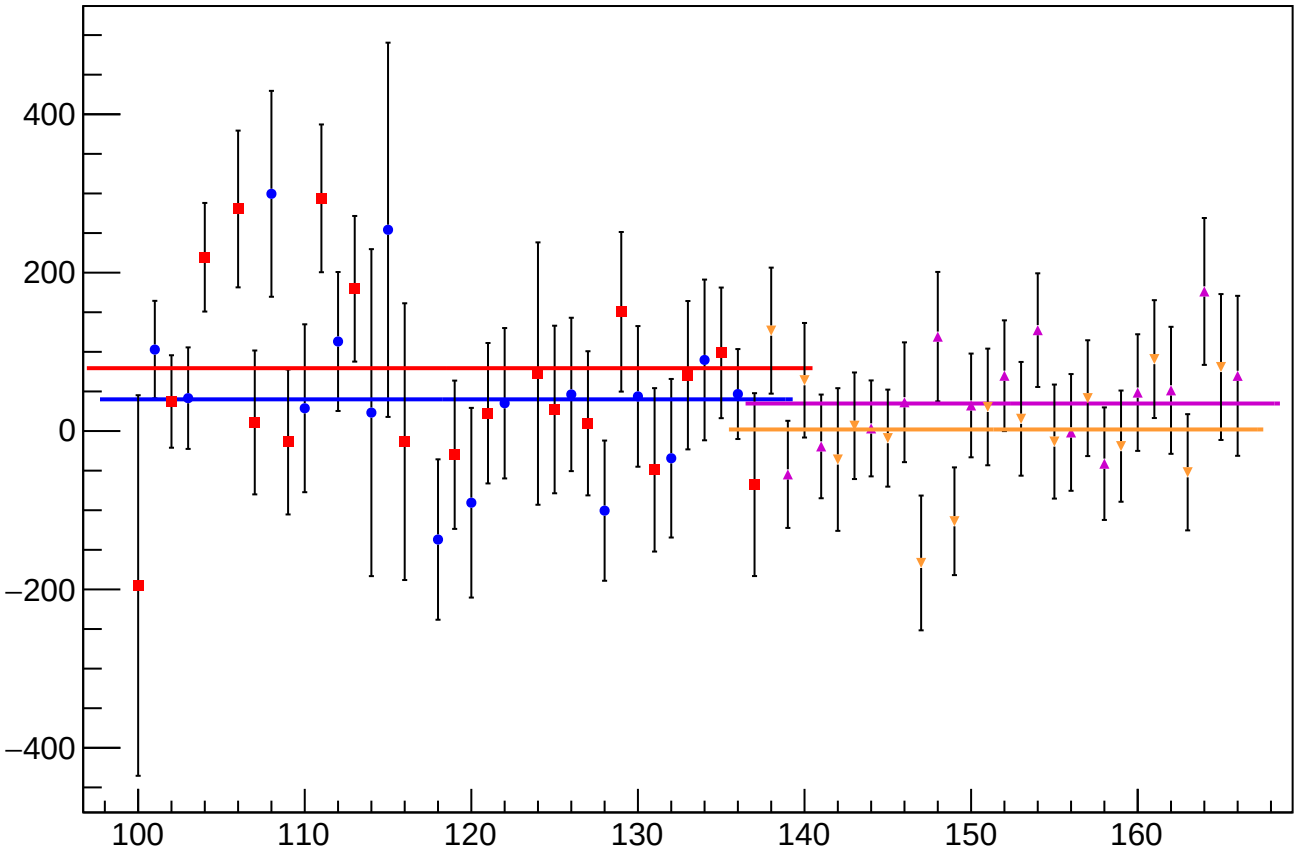
Left: 336.941+/-0.050 χ^2/NDF: 411499.3/28

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 162.742+/-0.033 χ^2/NDF:13590884.8/29

Out: 166.161+/-0.033 χ^2/NDF:13072596.5/33

All: 164.465+/-0.024 χ^2/NDF: 26668765.2/63



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.996+/-19.038 χ^2/NDF:13.6/14

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.764+/-19.548 χ^2/NDF:9.6/13

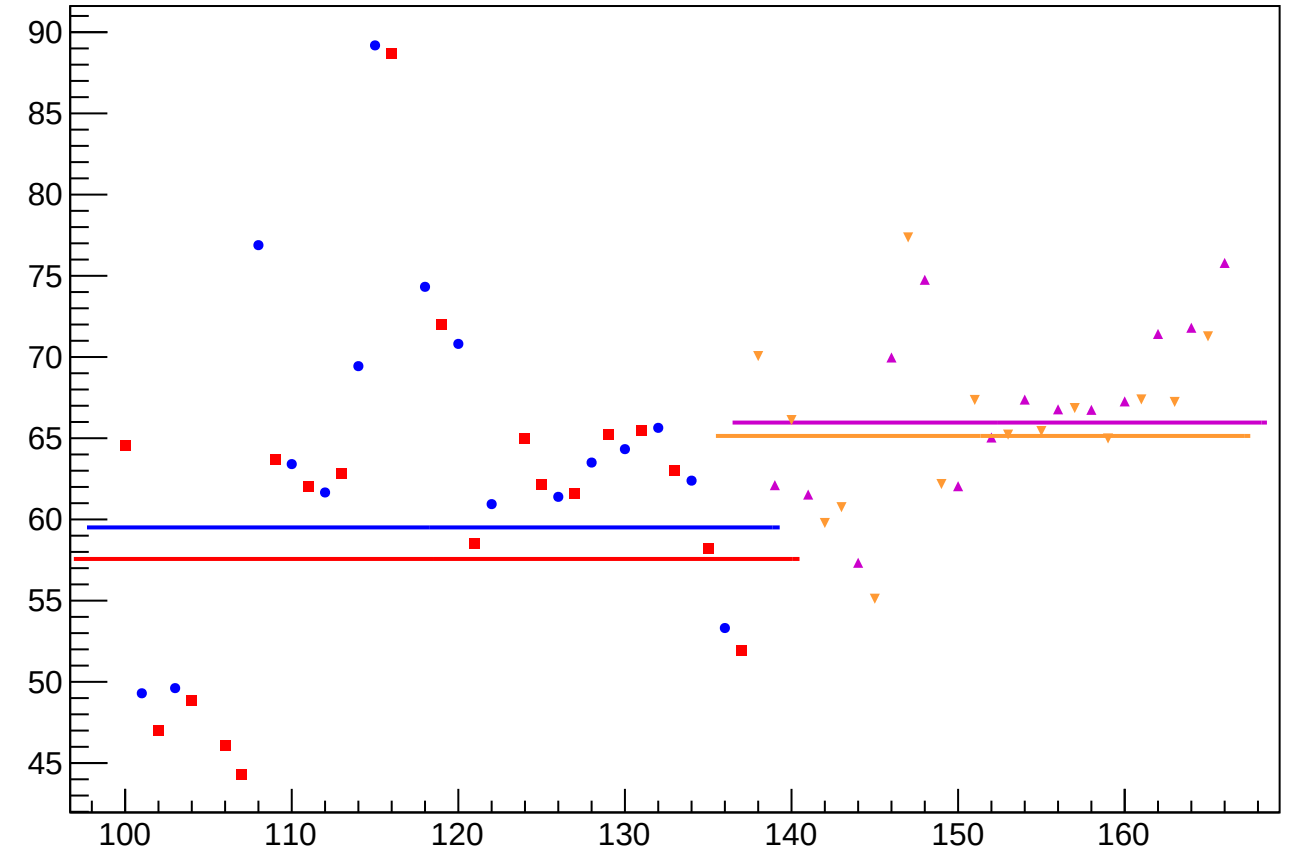
Left: 17.947+/-13.639 χ^2/NDF: 24.6/28

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 37.028+/-14.761 χ^2/NDF:23.8/29

Out: 35.869+/-14.276 χ^2/NDF:45.6/33

All: 36.429+/-10.262 χ^2/NDF: 69.4/63



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.141+/-0.013 χ^2/NDF:137452.7/14

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.964+/-0.014 χ^2/NDF:130543.2/13

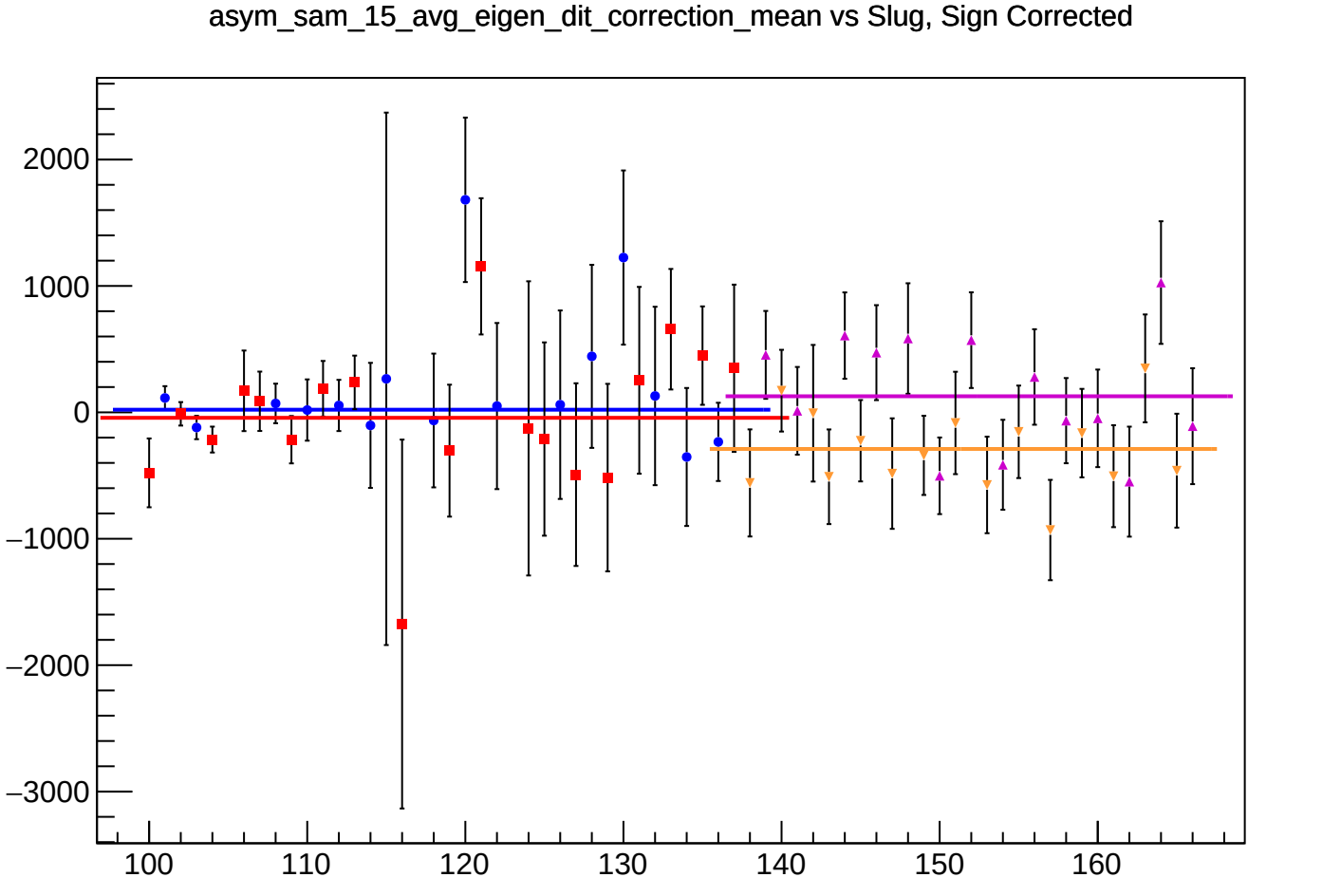
Left: 65.541+/-0.010 χ^2/NDF: 269817.1/28

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.189+/-0.010 χ^2/NDF:507482.0/29

Out: 61.825+/-0.010 χ^2/NDF:623384.9/33

All: 62.485+/-0.007 χ^2/NDF: 1139692.3/63



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 127.184+/-99.974 χ^2/NDF:19.7/13

Left: -83.537+/-70.302 χ^2/NDF: 38.2/28

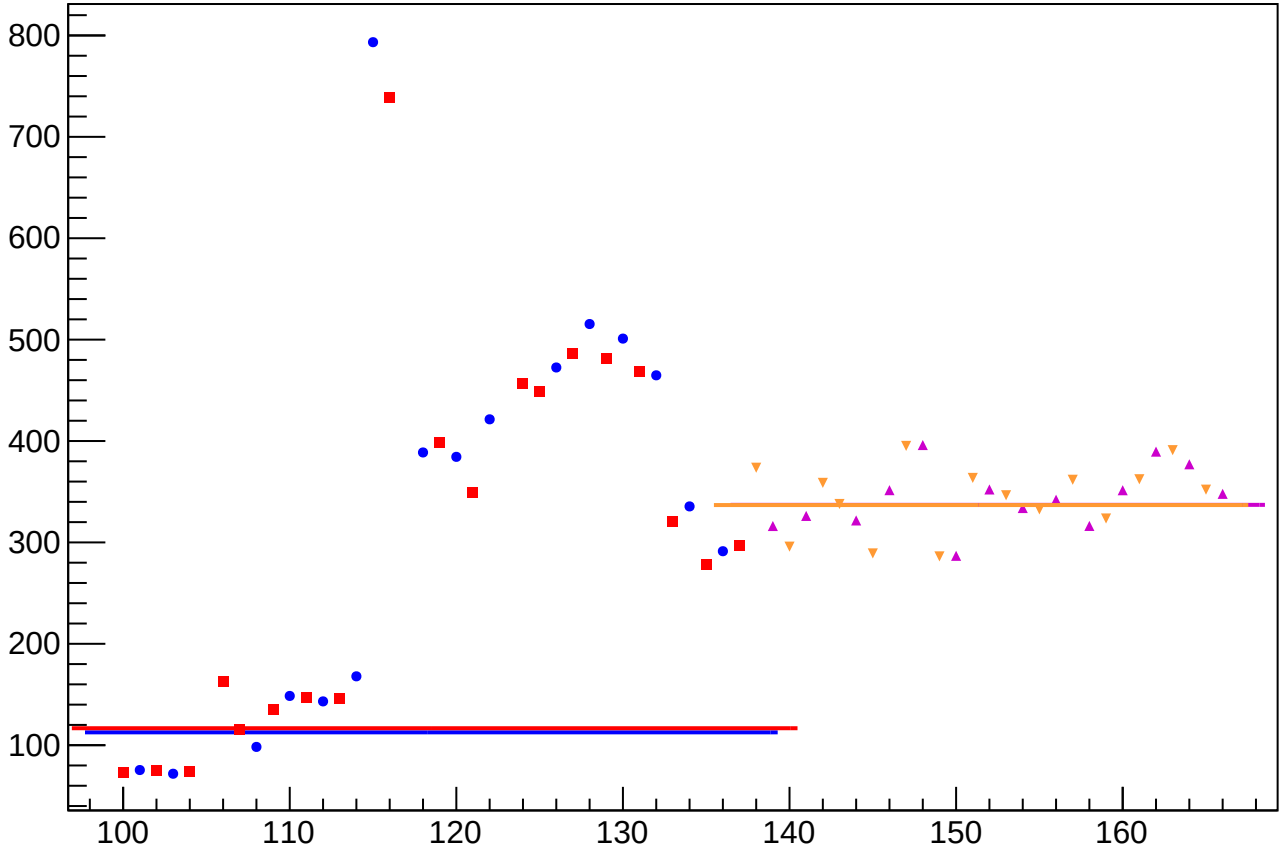
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 44.573+/-47.229 χ^2/NDF:35.2/29

Out: -98.594+/-46.856 χ^2/NDF:36.0/33

All: -27.577+/-33.263 χ^2/NDF: 75.9/63

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 336.847+/-0.070 χ^2/NDF:245845.4/14

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 337.040+/-0.071 χ^2/NDF:165644.7/13

Left: 336.942+/-0.050 χ^2/NDF: 411493.8/28

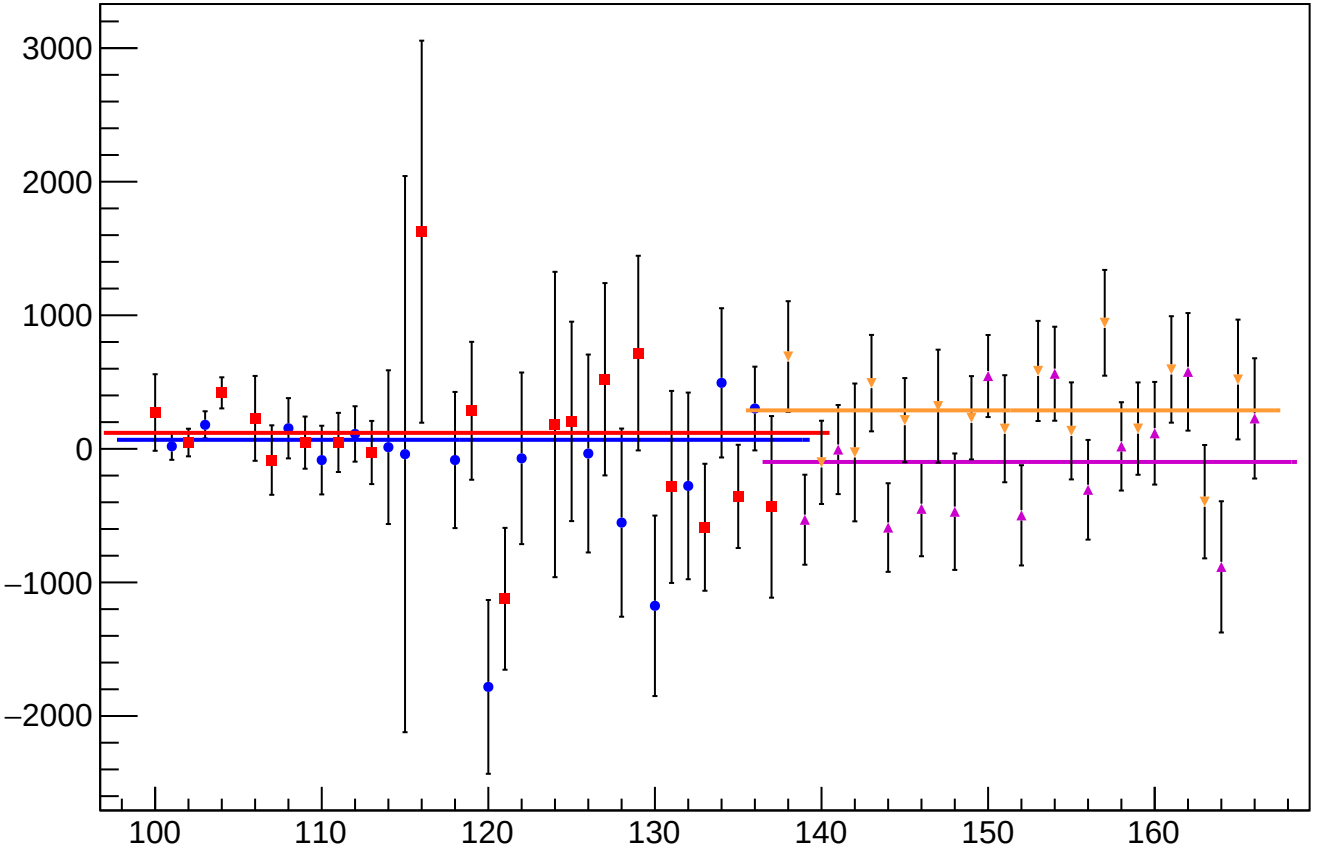
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 162.741+/-0.033 χ^2/NDF:13590923.0/29

Out: 166.161+/-0.033 χ^2/NDF:13072658.5/33

All: 164.465+/-0.024 χ^2/NDF: 26668864.9/63

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 288.021+/-97.133 χ^2/NDF:10.6/14

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -98.105+/-98.445 χ^2/NDF:20.8/13

Left: 97.548+/-69.143 χ^2/NDF: 39.2/28

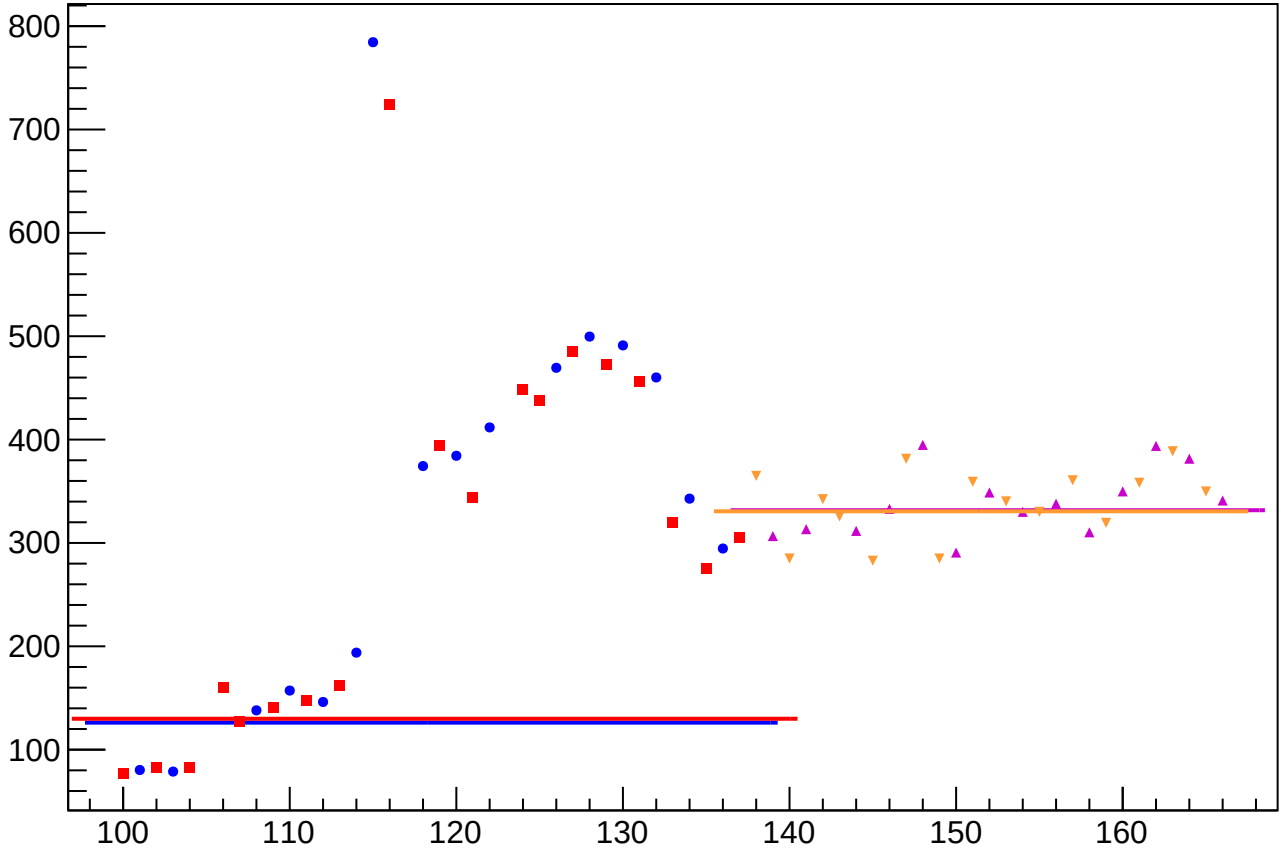
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 23.641+/-50.714 χ^2/NDF:38.7/29

Out: 163.827+/-49.761 χ^2/NDF:33.9/33

All: 95.064+/-35.518 χ^2/NDF: 76.5/63

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 330.622+/-0.069 χ^2/NDF:251629.5/14

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.669+/-0.070 χ^2/NDF:180980.4/13

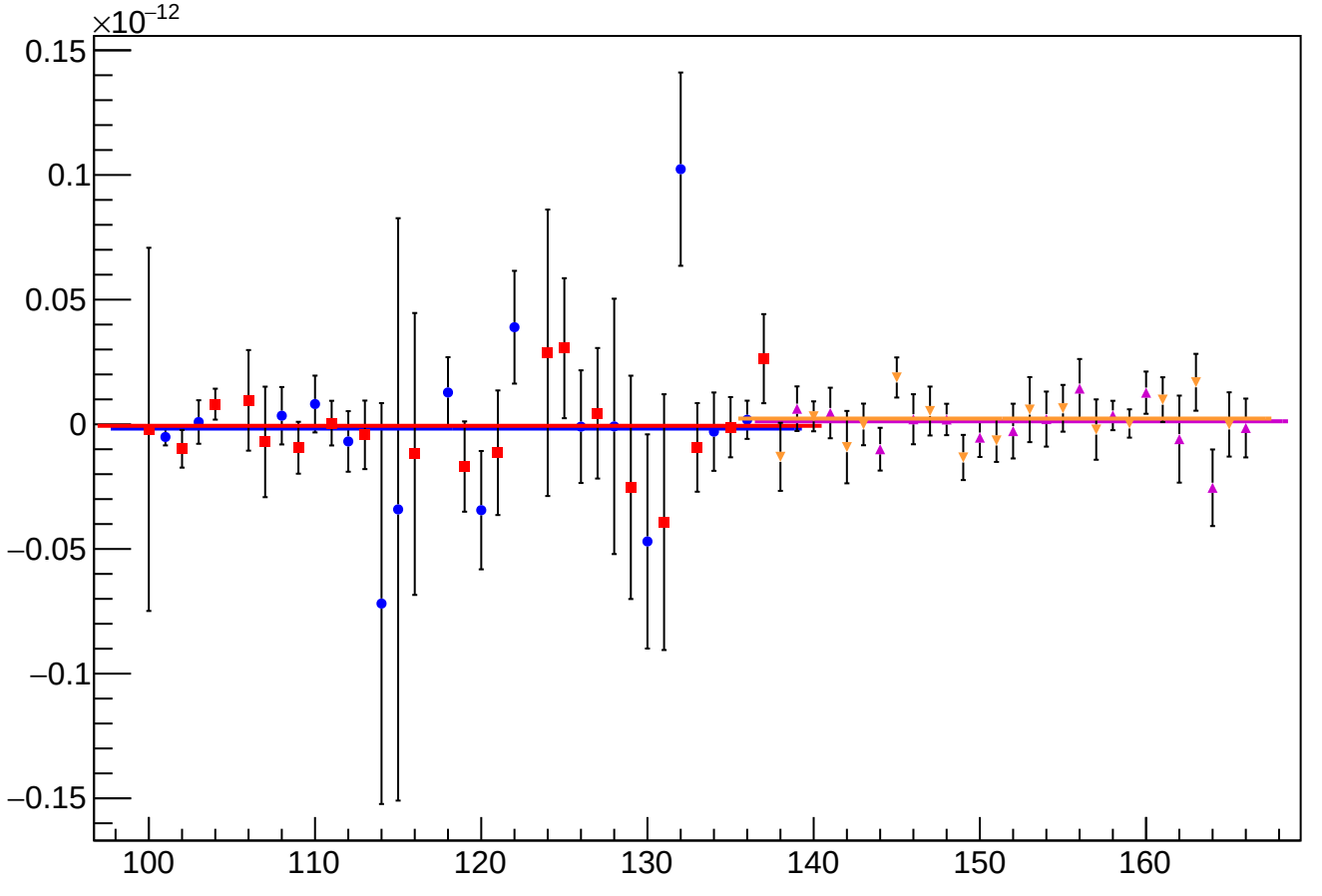
Left: 331.138+/-0.049 χ^2/NDF: 432724.4/28

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 180.693+/-0.036 χ^2/NDF:11804218.0/29

Out: 182.589+/-0.035 χ^2/NDF:11197531.0/33

All: 181.659+/-0.025 χ^2/NDF: 23003173.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/13

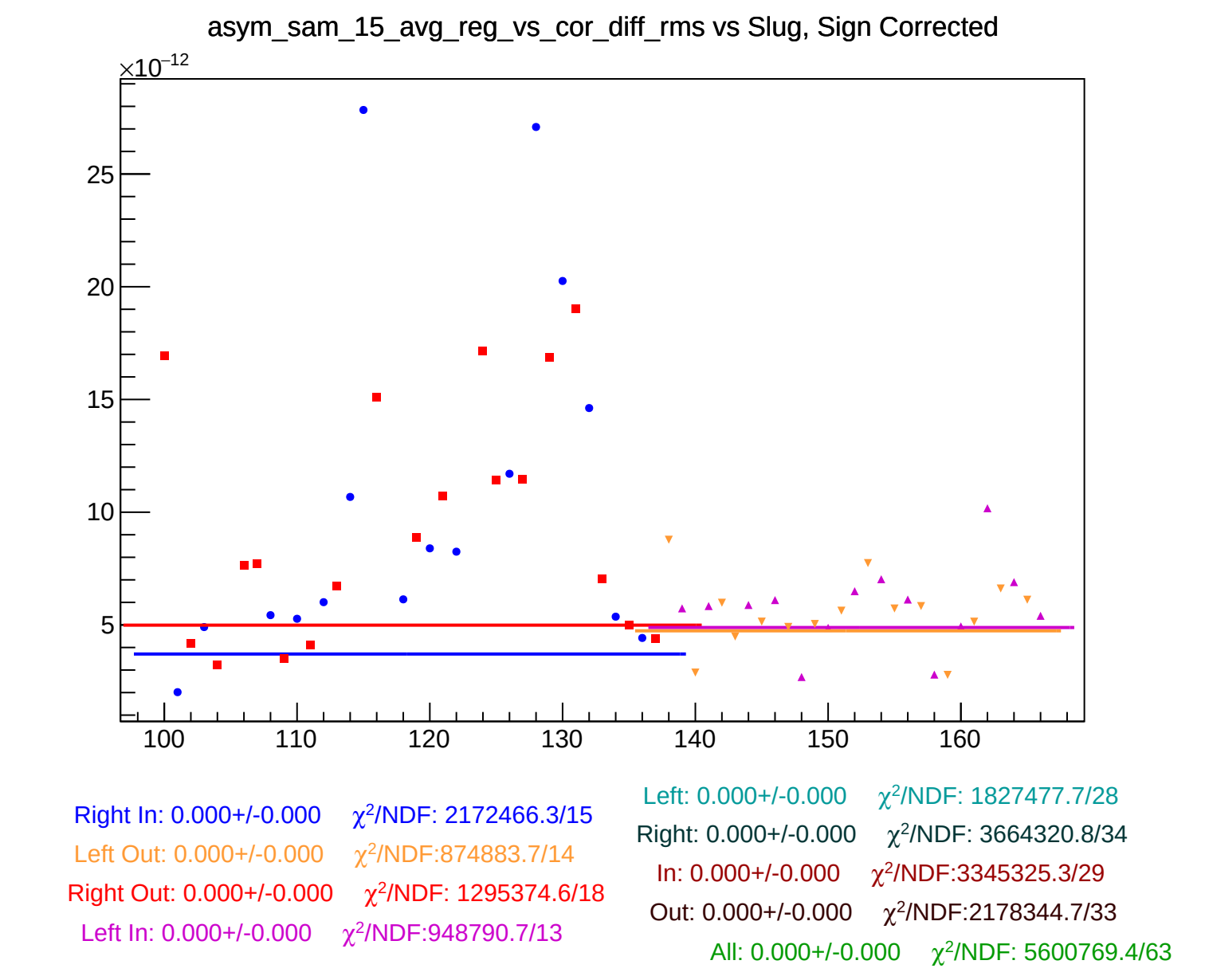
Left: 0.000+/-0.000 χ^2/NDF: 22.7/28

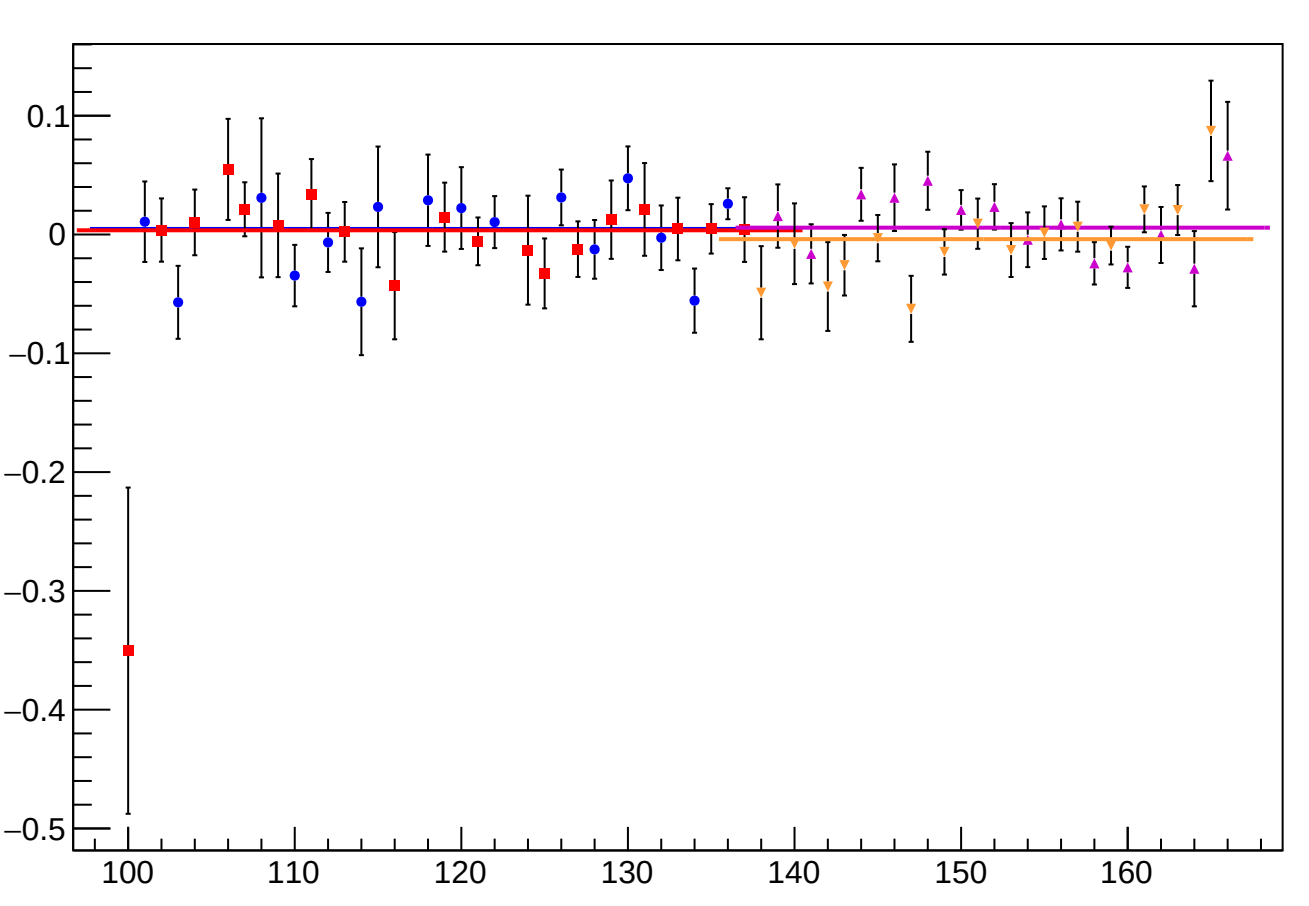
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:27.9/29

Out: 0.000+/-0.000 χ^2/NDF:24.3/33

All: 0.000+/-0.000 χ^2/NDF: 52.5/63


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:874883.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:948790.7/13
Left: 0.000+/-0.000 χ²/NDF: 1827477.7/28
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3345325.3/29
Out: 0.000+/-0.000 χ²/NDF:2178344.7/33
All: 0.000+/-0.000 χ²/NDF: 5600769.4/63



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

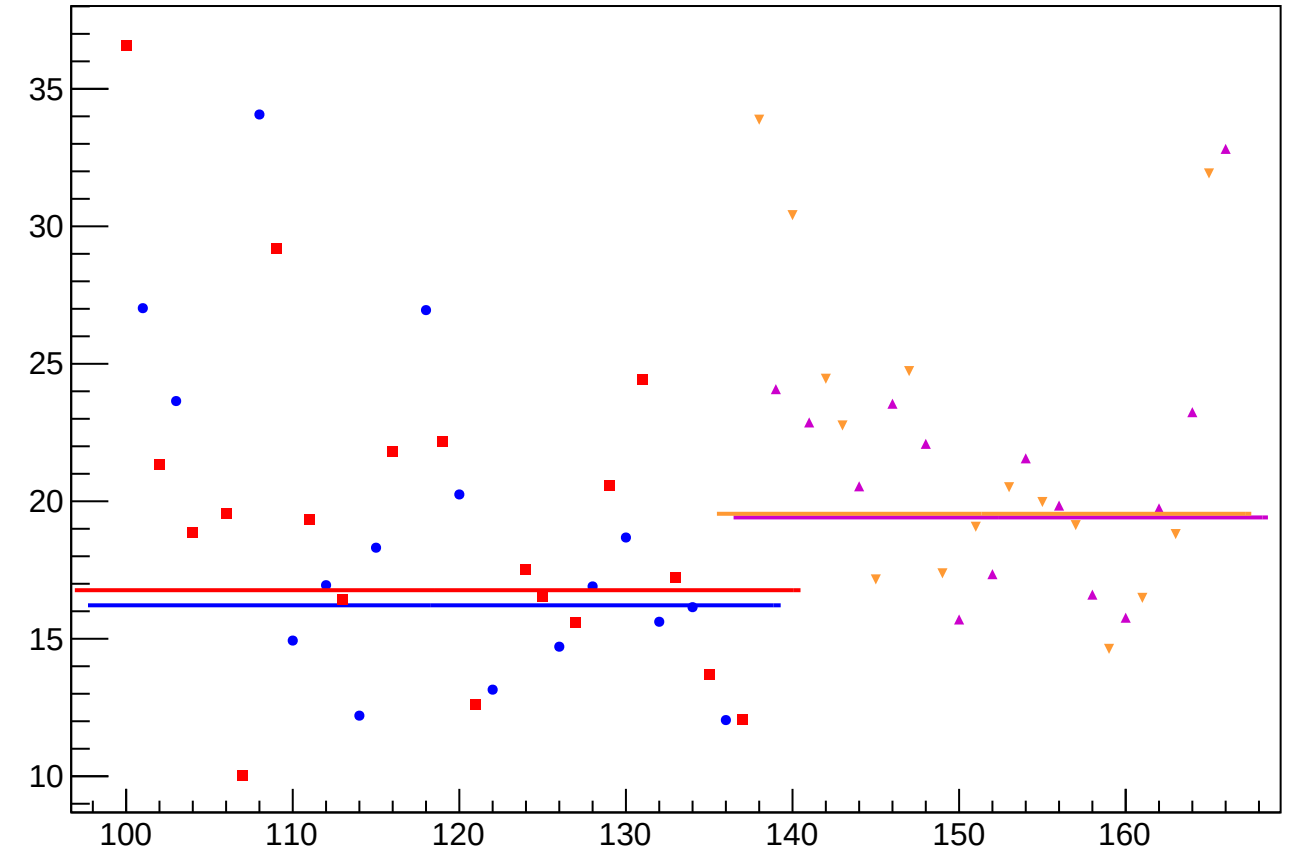
Left: 0.001+/-0.004 χ^2/NDF: 35.3/28

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 70.7/63



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.413+/-0.004 χ^2/NDF:656164.9/13

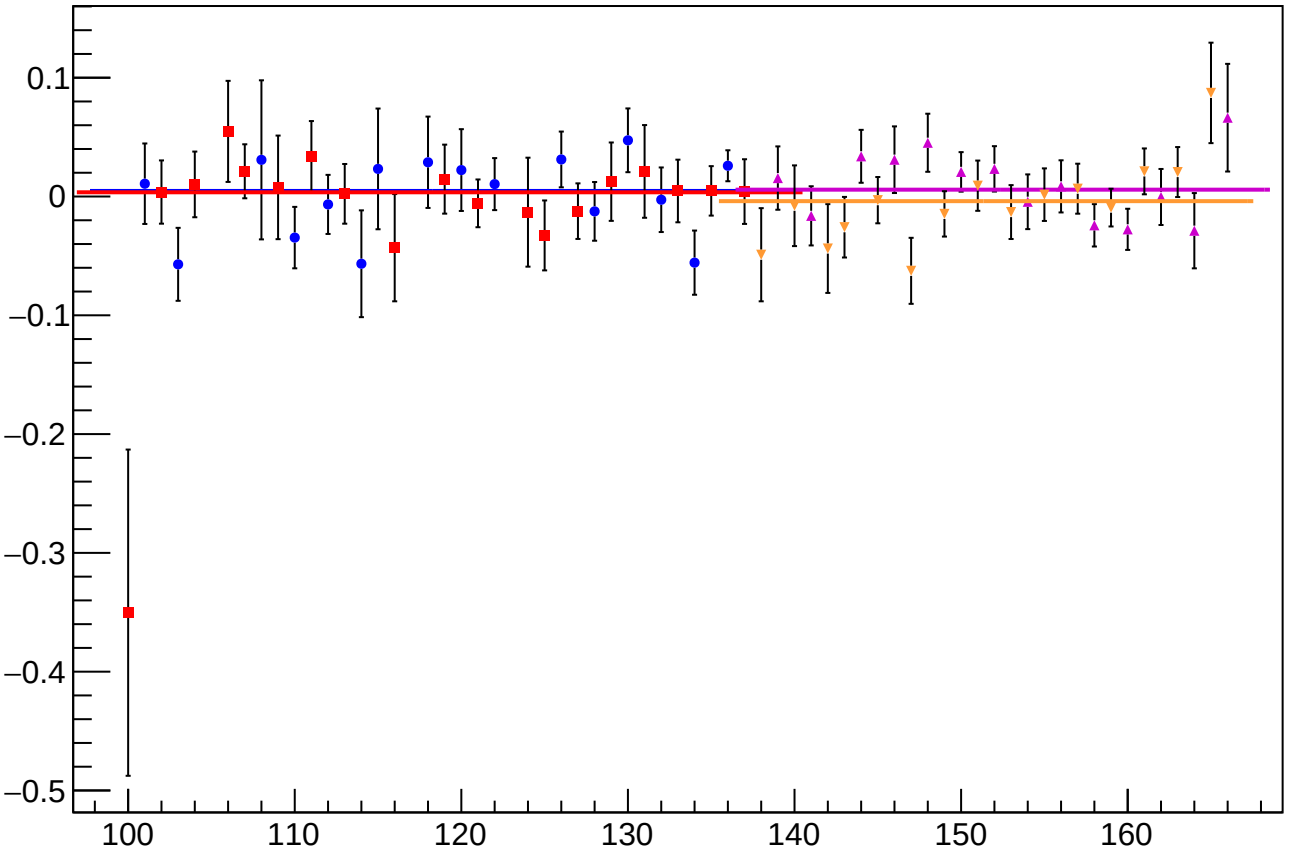
Left: 19.480+/-0.003 χ^2/NDF: 1741597.0/28

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.966+/-0.003 χ^2/NDF:1859478.7/29

Out: 18.309+/-0.003 χ^2/NDF:2146931.0/33

All: 18.137+/-0.002 χ^2/NDF: 4012424.9/63



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

Left: 0.001+/-0.004 χ^2/NDF: 35.3/28

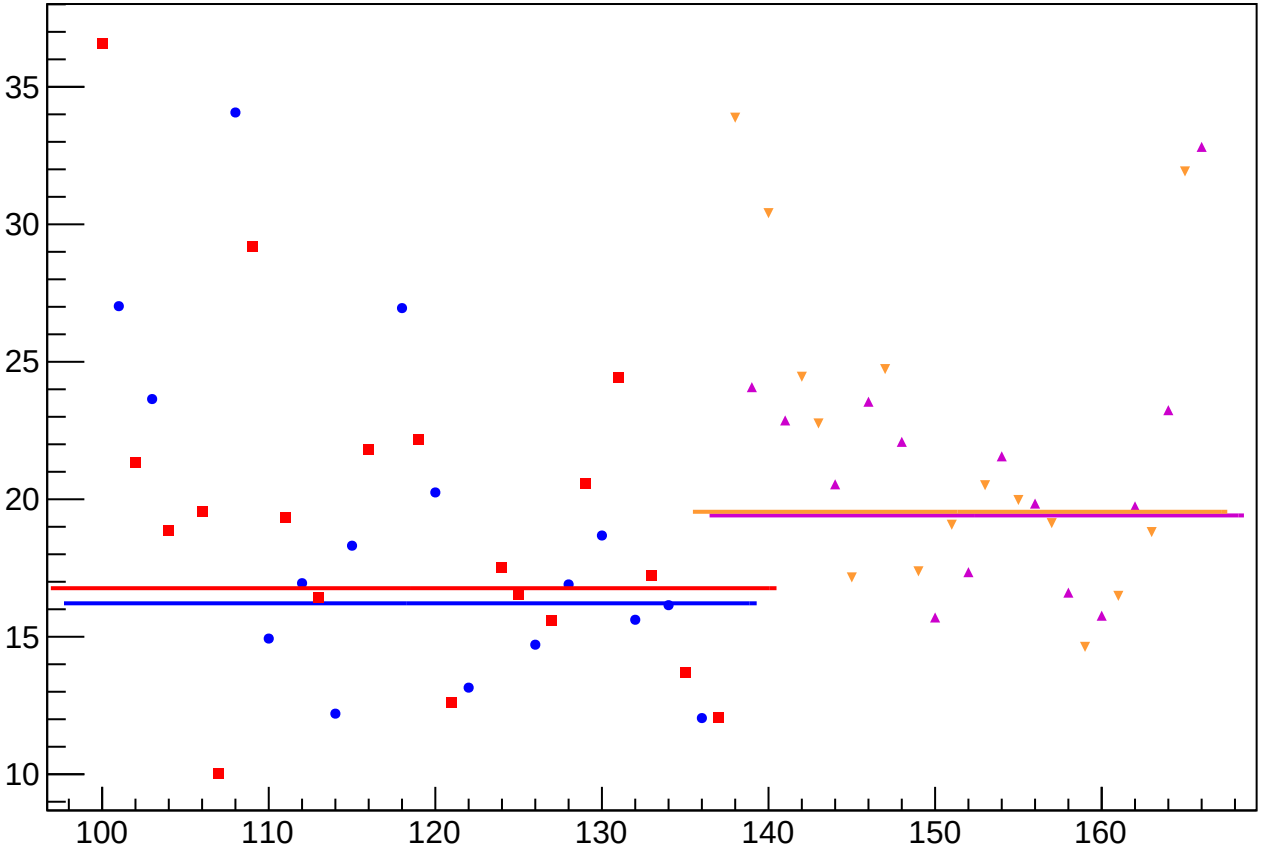
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 70.7/63

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.413+/-0.004 χ^2/NDF:656164.9/13

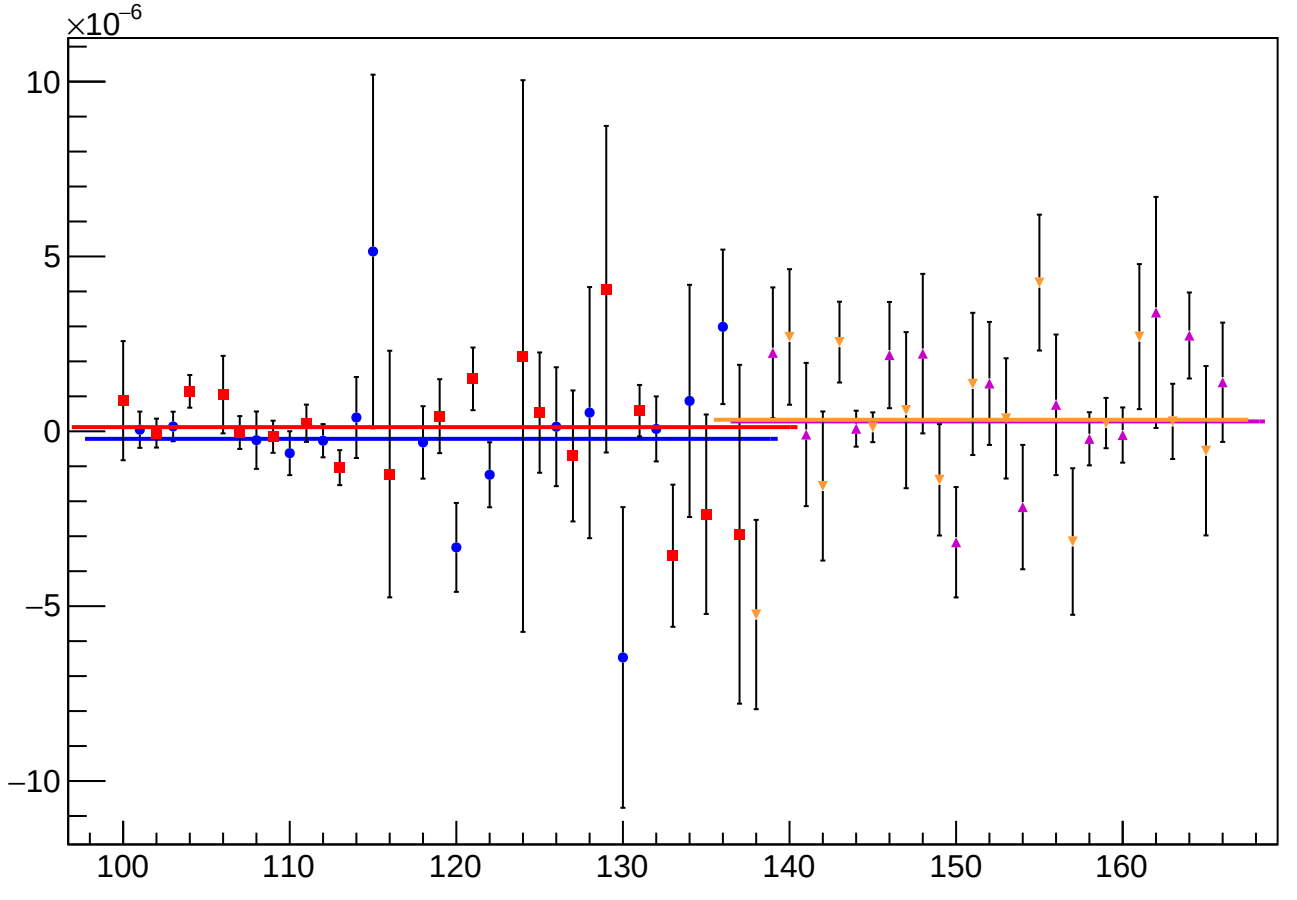
Left: 19.480+/-0.003 χ^2/NDF: 1741597.0/28

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.966+/-0.003 χ^2/NDF:1859478.7/29

Out: 18.309+/-0.003 χ^2/NDF:2146931.0/33

All: 18.137+/-0.002 χ^2/NDF: 4012424.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/13

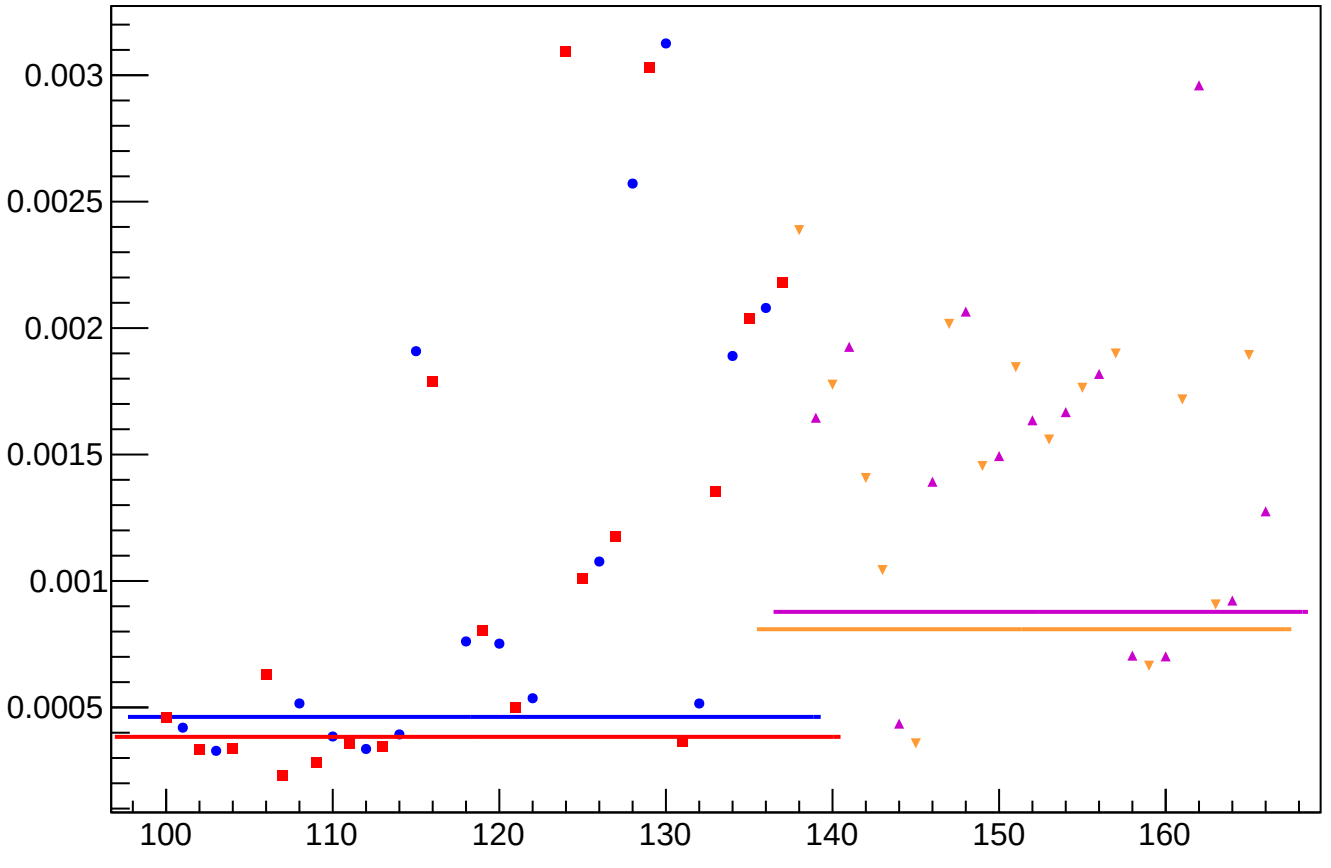
Left: 0.000+/-0.000 χ^2/NDF: 36.9/28

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:33.0/29

Out: 0.000+/-0.000 χ^2/NDF:40.8/33

All: 0.000+/-0.000 χ^2/NDF: 74.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7378527.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5725525.7/13

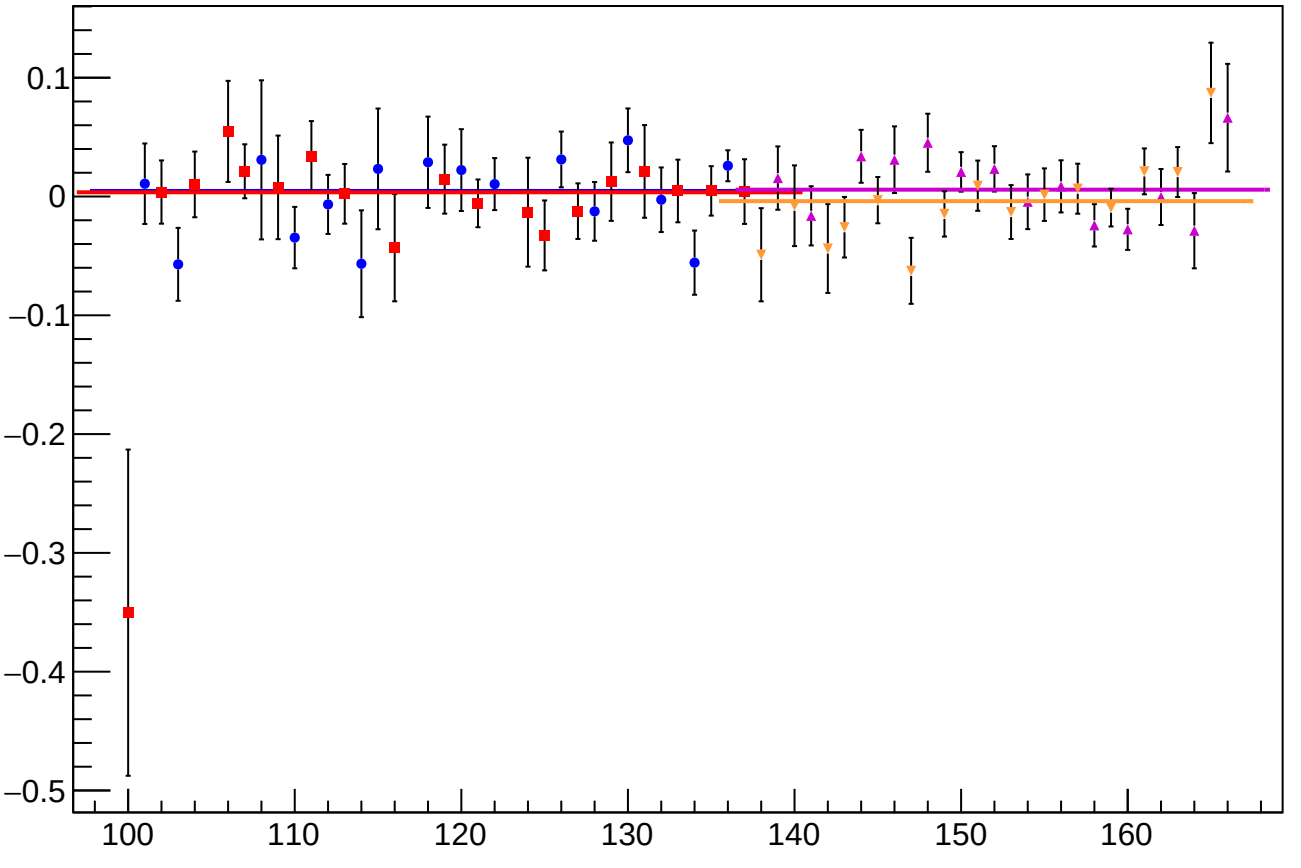
Left: 0.001+/-0.000 χ^2/NDF: 13156669.0/28

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:12259709.6/29

Out: 0.000+/-0.000 χ^2/NDF:14587458.7/33

All: 0.001+/-0.000 χ^2/NDF: 27228457.0/63



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

Left: 0.001+/-0.004 χ^2/NDF: 35.3/28

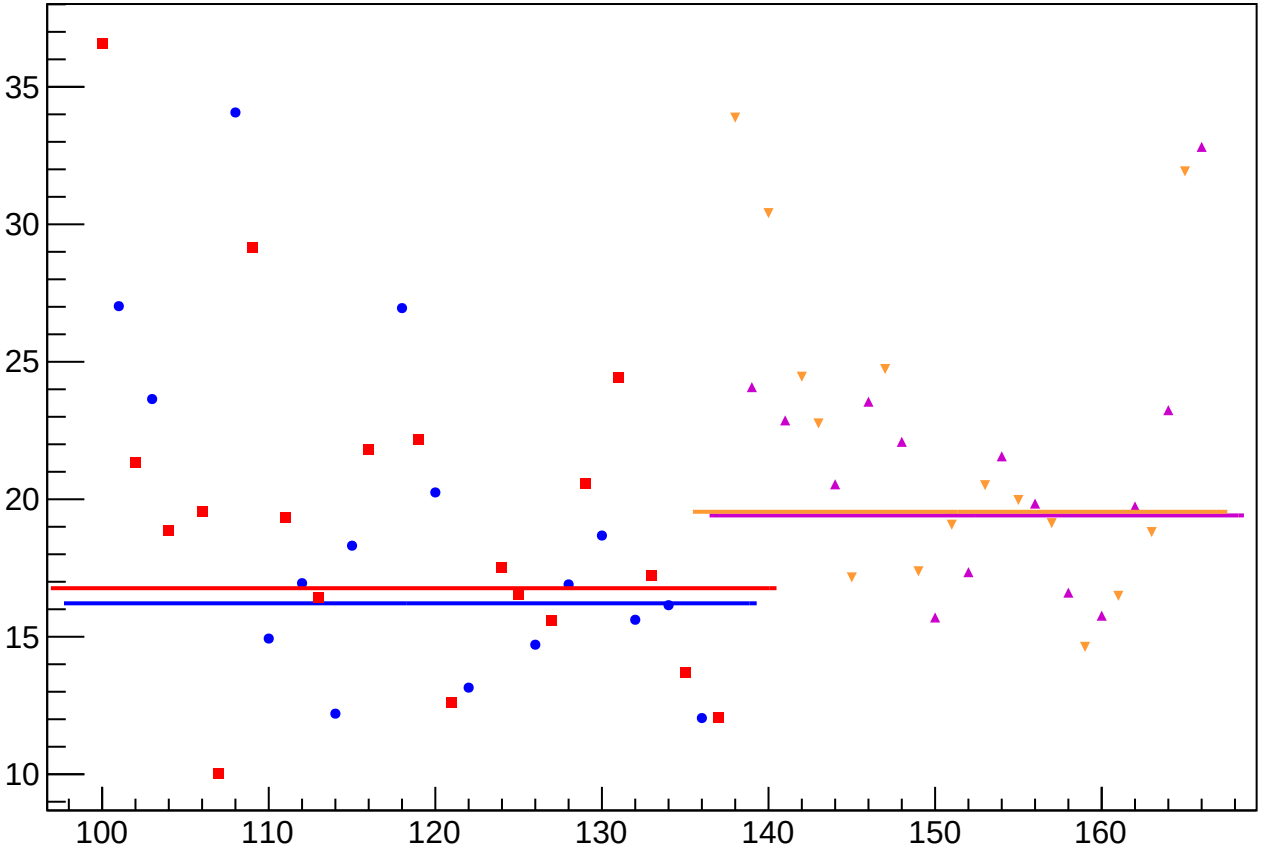
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 70.7/63

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.546+/-0.004 χ^2/NDF:1085057.8/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.413+/-0.004 χ^2/NDF:656265.7/13

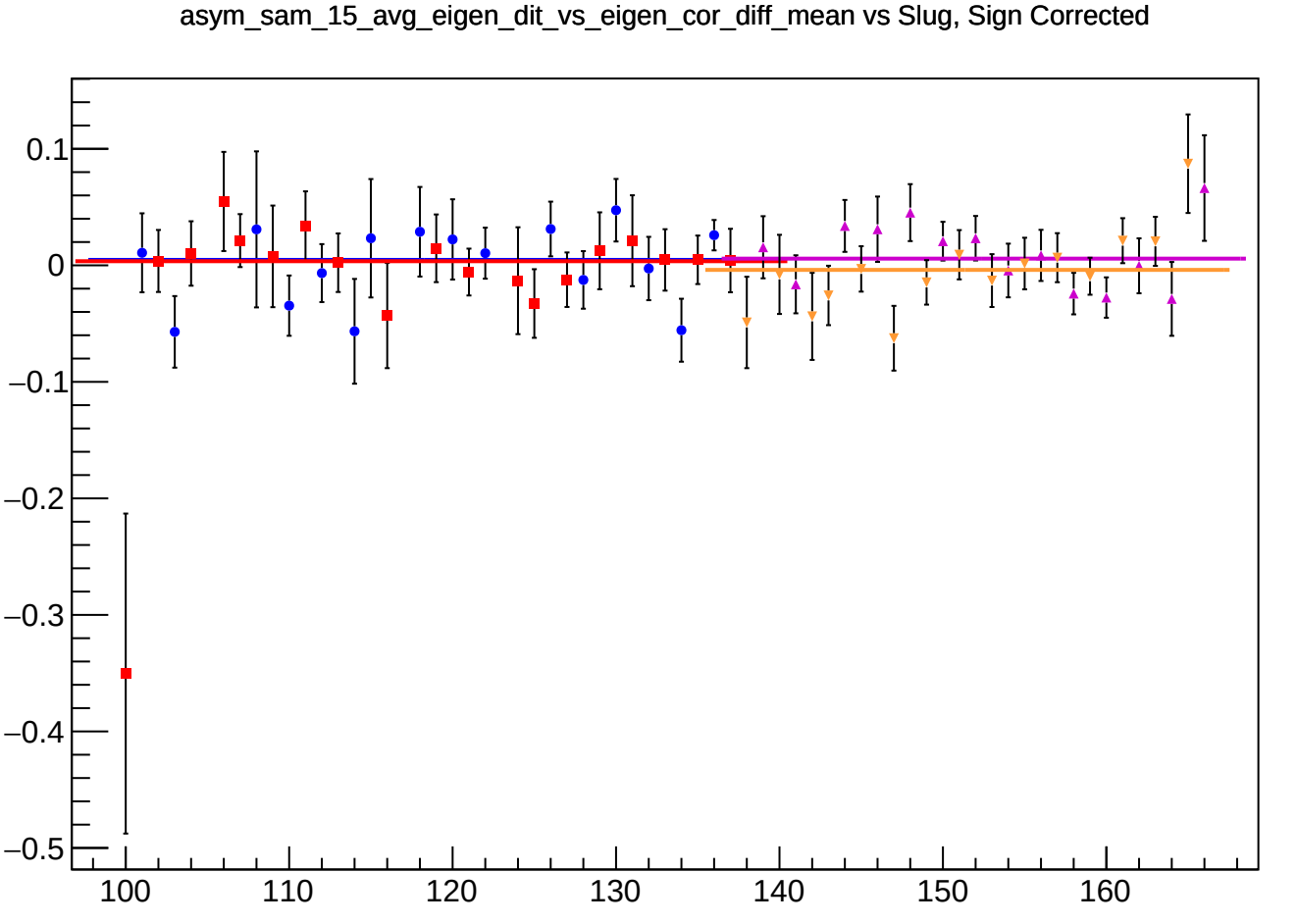
Left: 19.480+/-0.003 χ^2/NDF: 1741823.8/28

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.966+/-0.003 χ^2/NDF:1859563.7/29

Out: 18.308+/-0.003 χ^2/NDF:2147078.5/33

All: 18.137+/-0.002 χ^2/NDF: 4012658.6/63



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.4/13

Left: 0.001+/-0.004 χ^2/NDF: 35.3/28

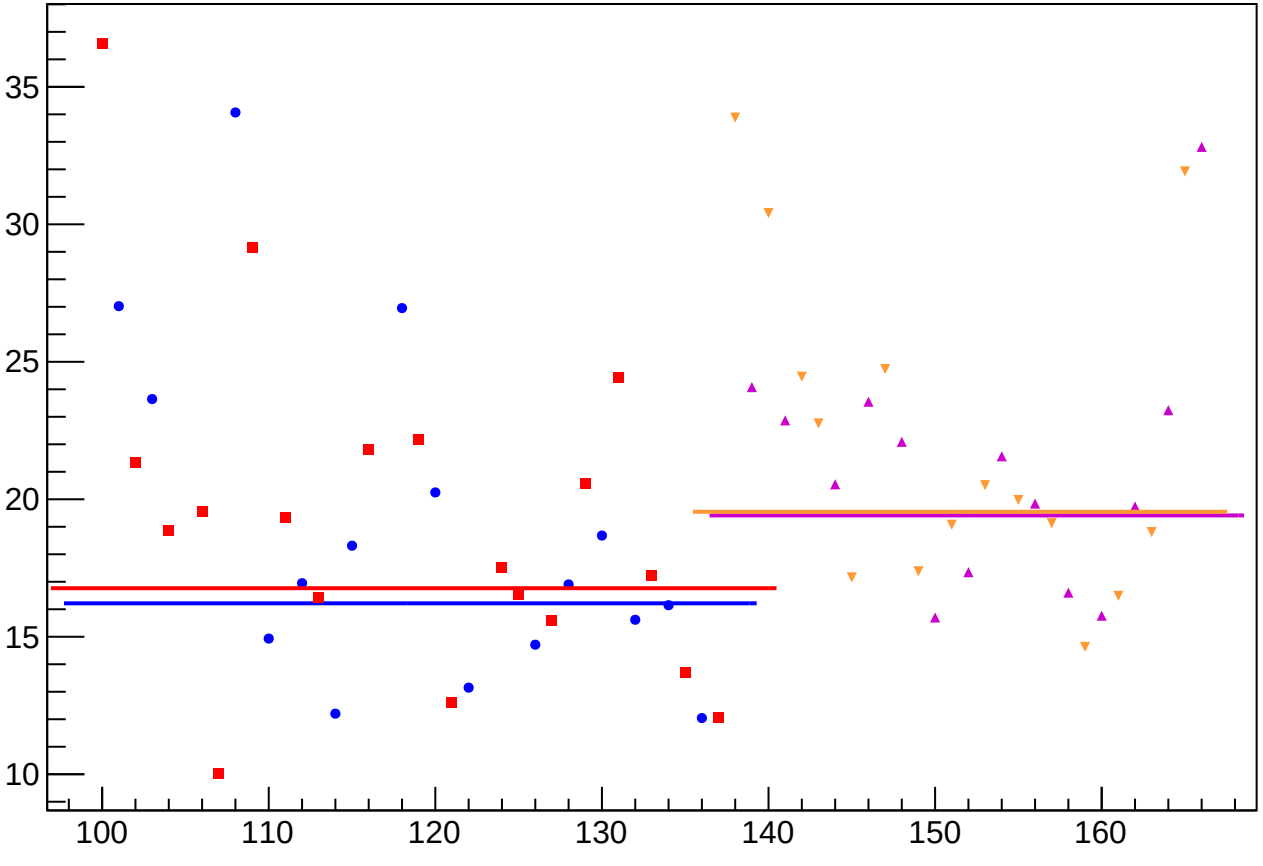
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:38.8/29

Out: -0.001+/-0.004 χ^2/NDF:31.0/33

All: 0.002+/-0.003 χ^2/NDF: 70.7/63

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.546+/-0.004 χ^2/NDF:1085057.8/14

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.413+/-0.004 χ^2/NDF:656265.7/13

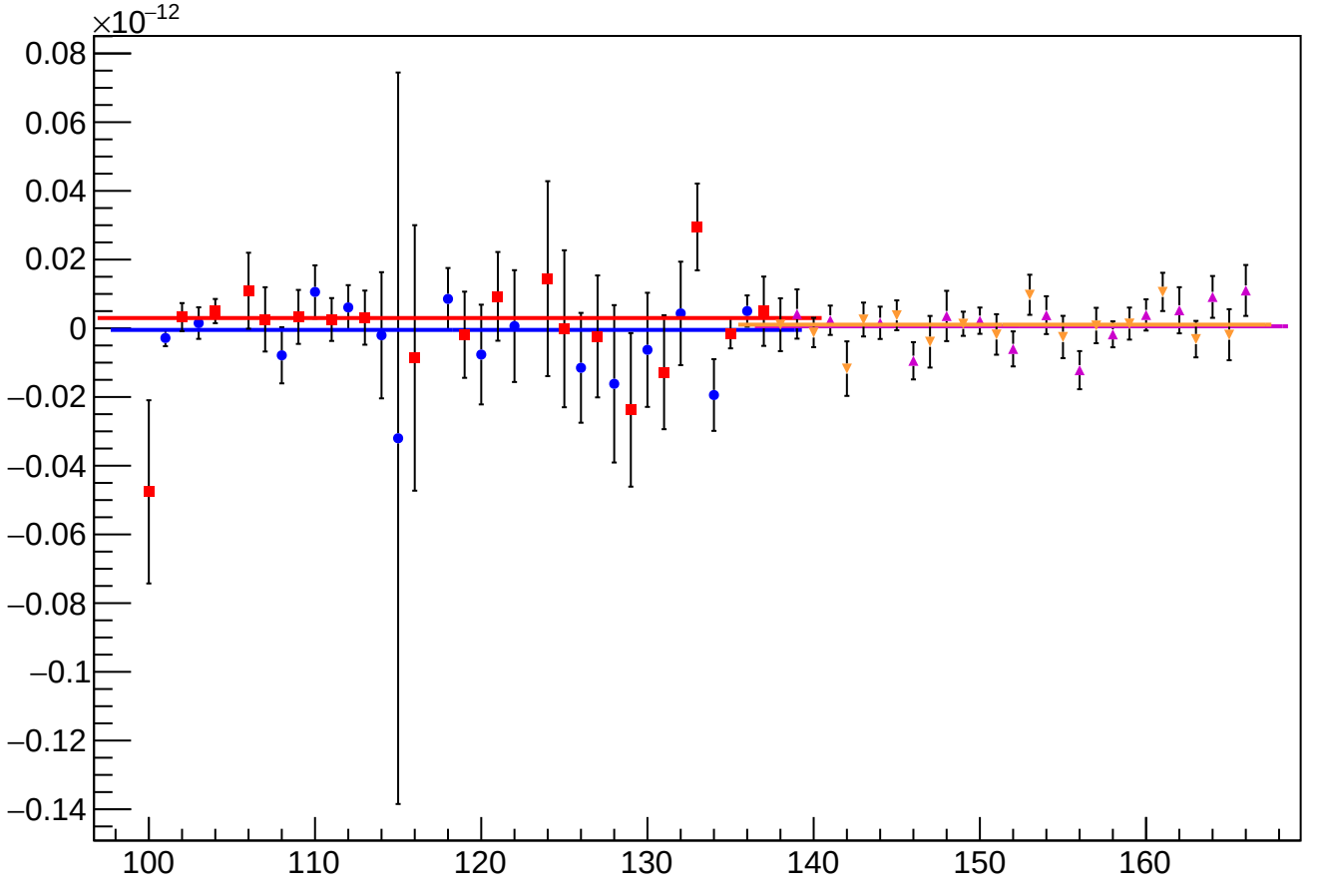
Left: 19.480+/-0.003 χ^2/NDF: 1741823.8/28

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.966+/-0.003 χ^2/NDF:1859563.7/29

Out: 18.308+/-0.003 χ^2/NDF:2147078.5/33

All: 18.137+/-0.002 χ^2/NDF: 4012658.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/13

Left: 0.000+/-0.000 χ^2/NDF: 27.3/28

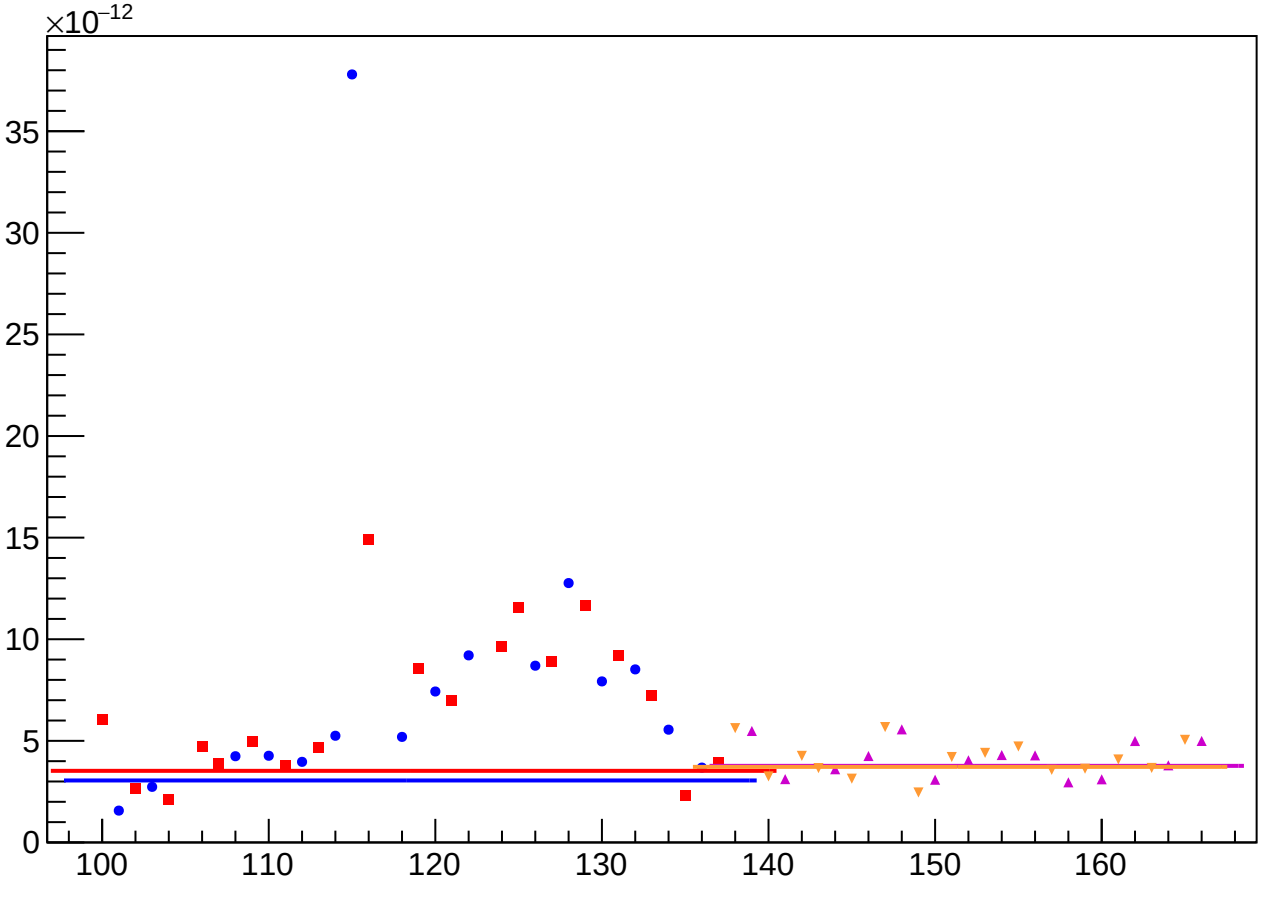
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:29.4/29

Out: 0.000+/-0.000 χ^2/NDF:24.1/33

All: 0.000+/-0.000 χ^2/NDF: 54.7/63

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:753886.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:660812.6/13

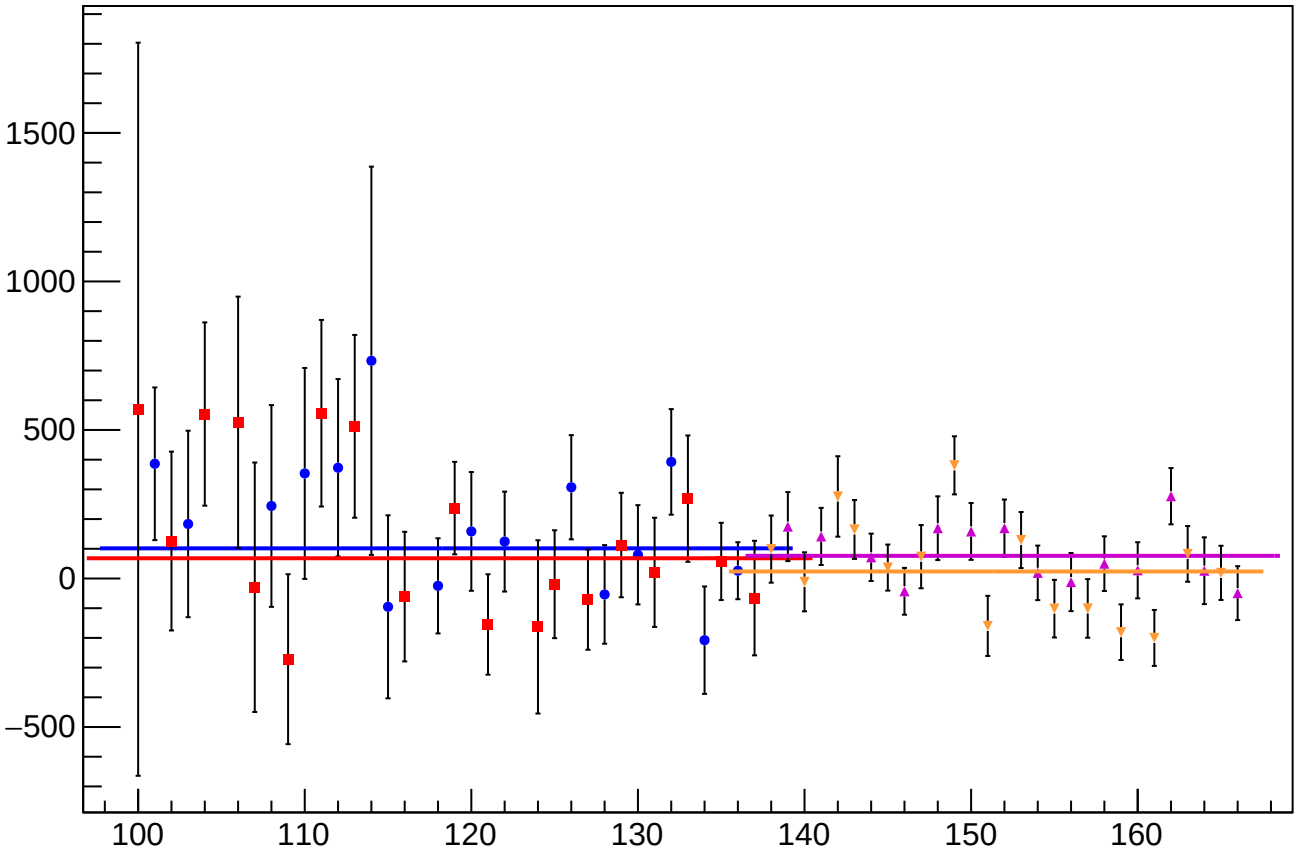
Left: 0.000+/-0.000 χ^2/NDF: 1416031.4/28

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3824468.6/29

Out: 0.000+/-0.000 χ^2/NDF:3327990.4/33

All: 0.000+/-0.000 χ^2/NDF: 7179251.7/63



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 23.629+/-25.197 χ^2/NDF:38.3/14

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 76.296+/-25.236 χ^2/NDF:14.1/13

Left: 49.922+/-17.831 χ^2/NDF: 54.5/28

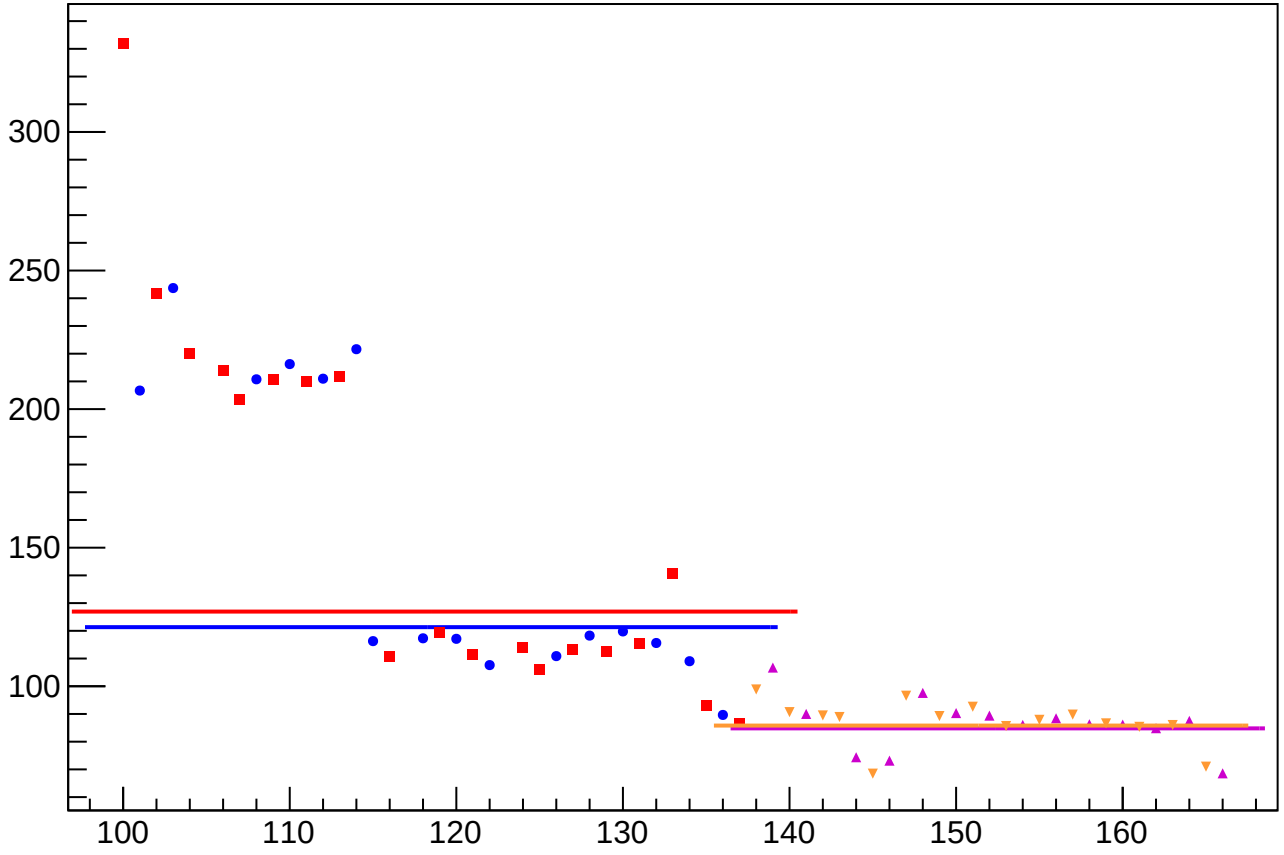
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 81.811+/-22.299 χ^2/NDF:27.6/29

Out: 32.833+/-22.439 χ^2/NDF:55.1/33

All: 57.475+/-15.817 χ^2/NDF: 85.1/63

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

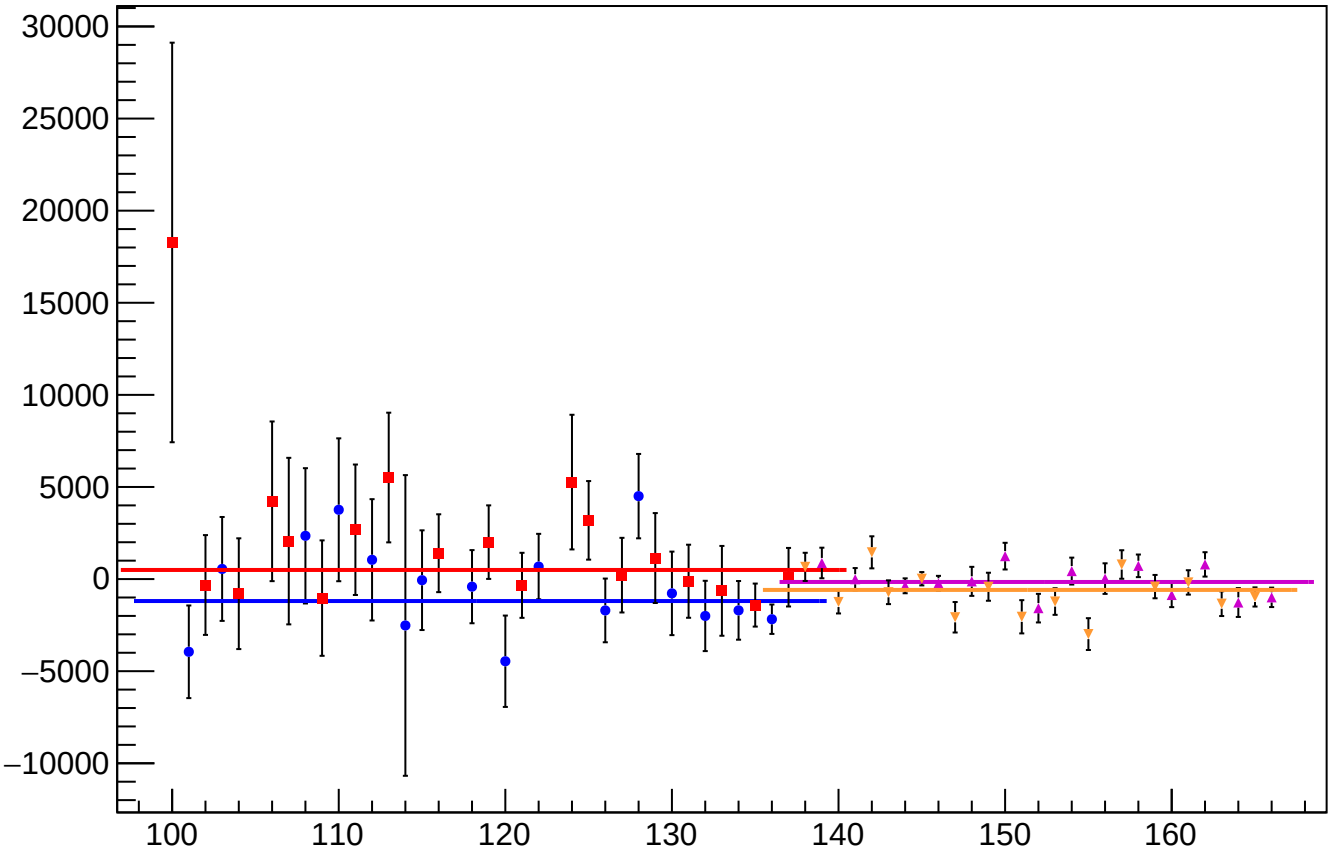
Left: 85.307+/-0.013 χ^2/NDF: 489665.3/28

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 92.806+/-0.016 χ^2/NDF:2468969.9/29

Out: 94.324+/-0.016 χ^2/NDF:2798512.0/33

All: 93.560+/-0.011 χ^2/NDF: 5272090.5/63



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -588.825+/-167.444 χ^2/NDF:31.9/14

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -157.119+/-163.784 χ^2/NDF:19.5/13

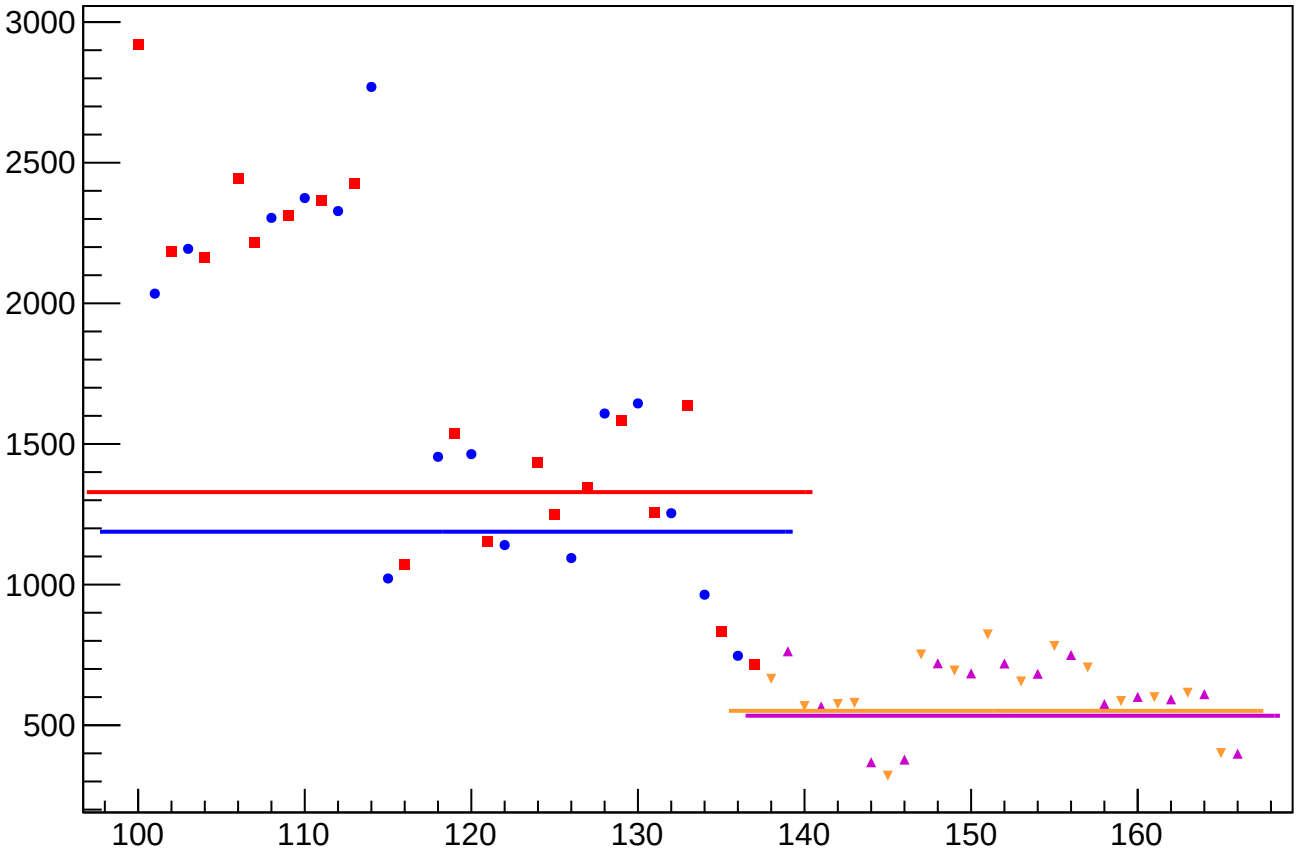
Left: -368.202+/-117.085 χ^2/NDF: 54.8/28

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -265.502+/-154.972 χ^2/NDF:39.6/29

Out: -487.657+/-159.435 χ^2/NDF:49.7/33

All: -373.426+/-111.126 χ^2/NDF: 90.3/63



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 551.232+/-0.118 χ^2/NDF:1697324.0/14

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 533.783+/-0.116 χ^2/NDF:1512802.2/13

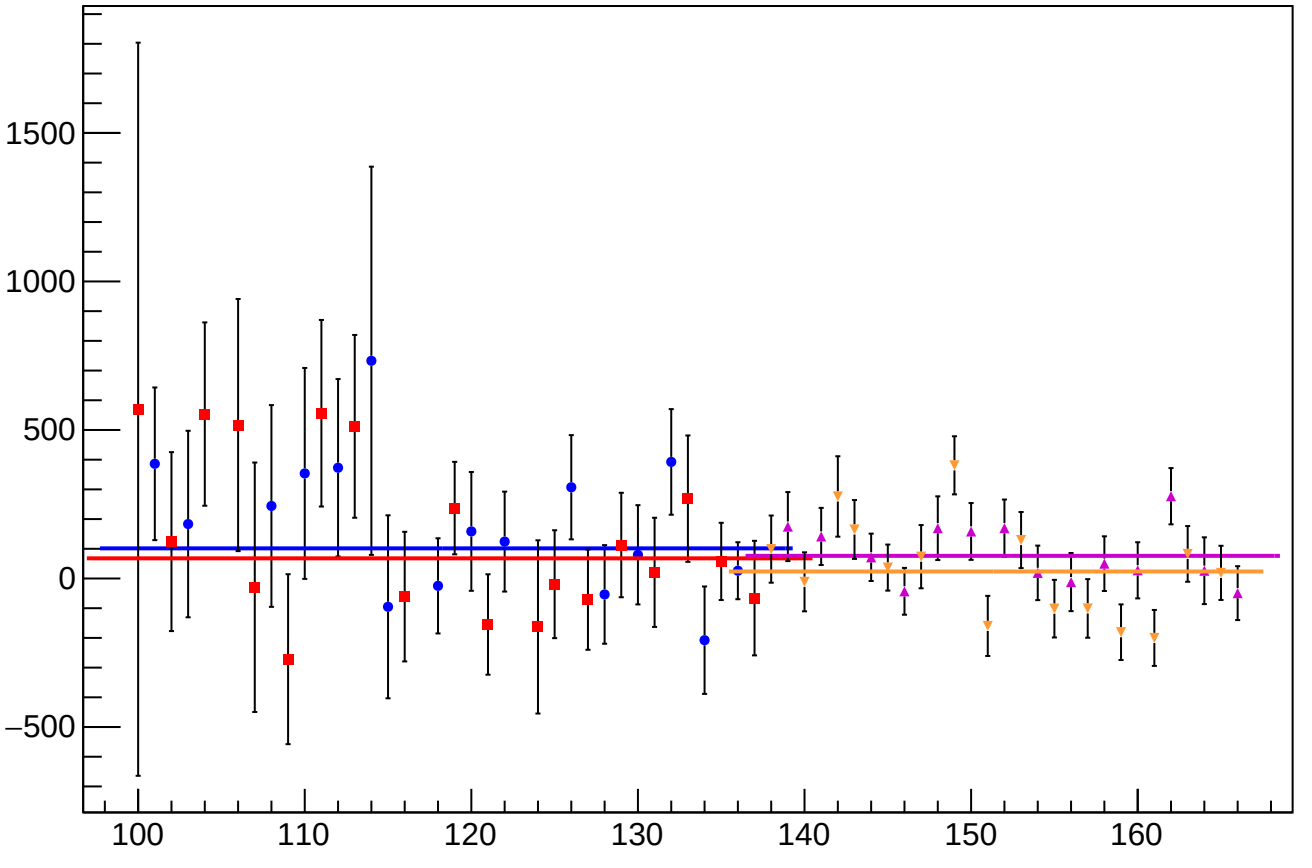
Left: 542.315+/-0.083 χ^2/NDF: 3221224.7/28

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 602.295+/-0.110 χ^2/NDF:6899572.5/29

Out: 623.839+/-0.113 χ^2/NDF:7682425.5/33

All: 612.761+/-0.079 χ^2/NDF: 14600775.2/63



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 76.297+/-25.236 χ^2/NDF:14.1/13

Left: 49.924+/-17.831 χ^2/NDF: 54.5/28

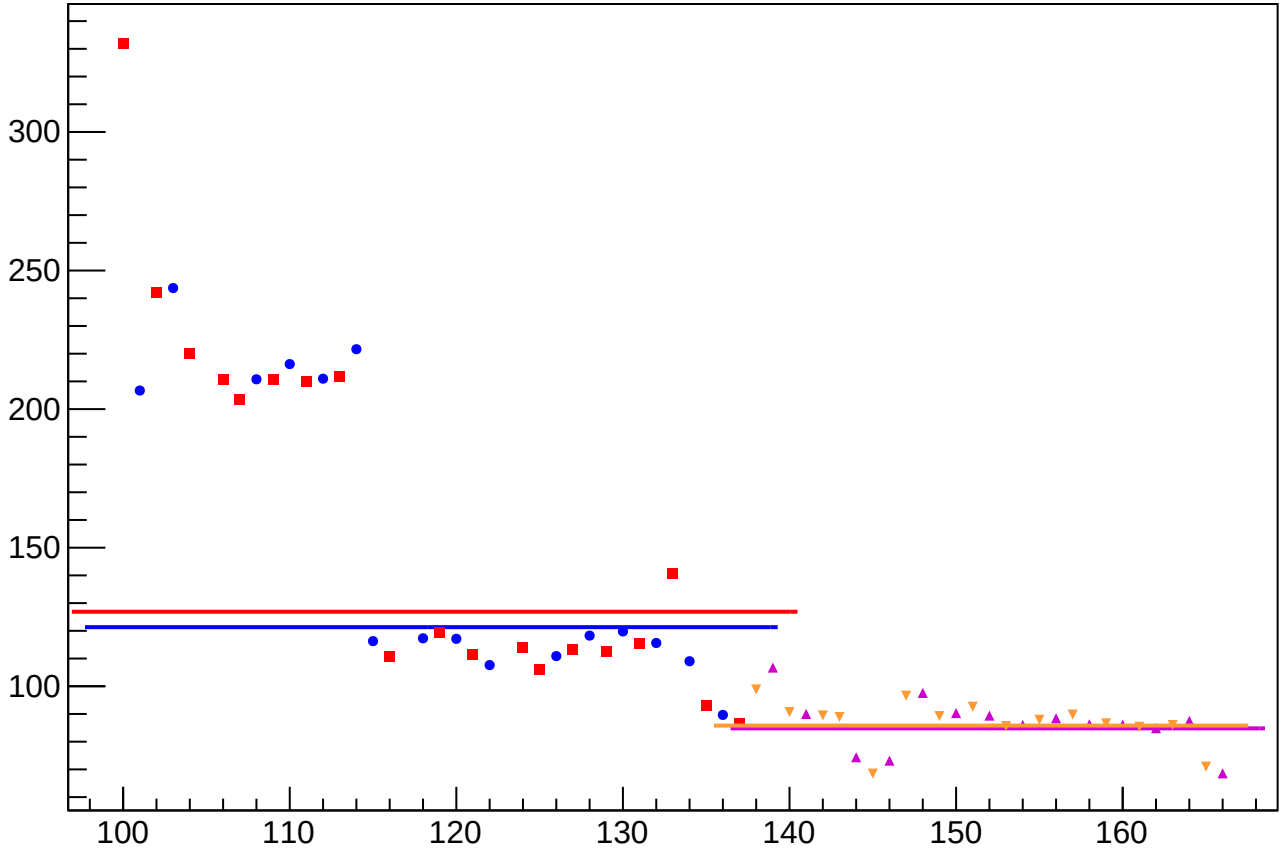
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 81.809+/-22.299 χ^2/NDF:27.6/29

Out: 32.787+/-22.439 χ^2/NDF:55.0/33

All: 57.451+/-15.817 χ^2/NDF: 85.0/63

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

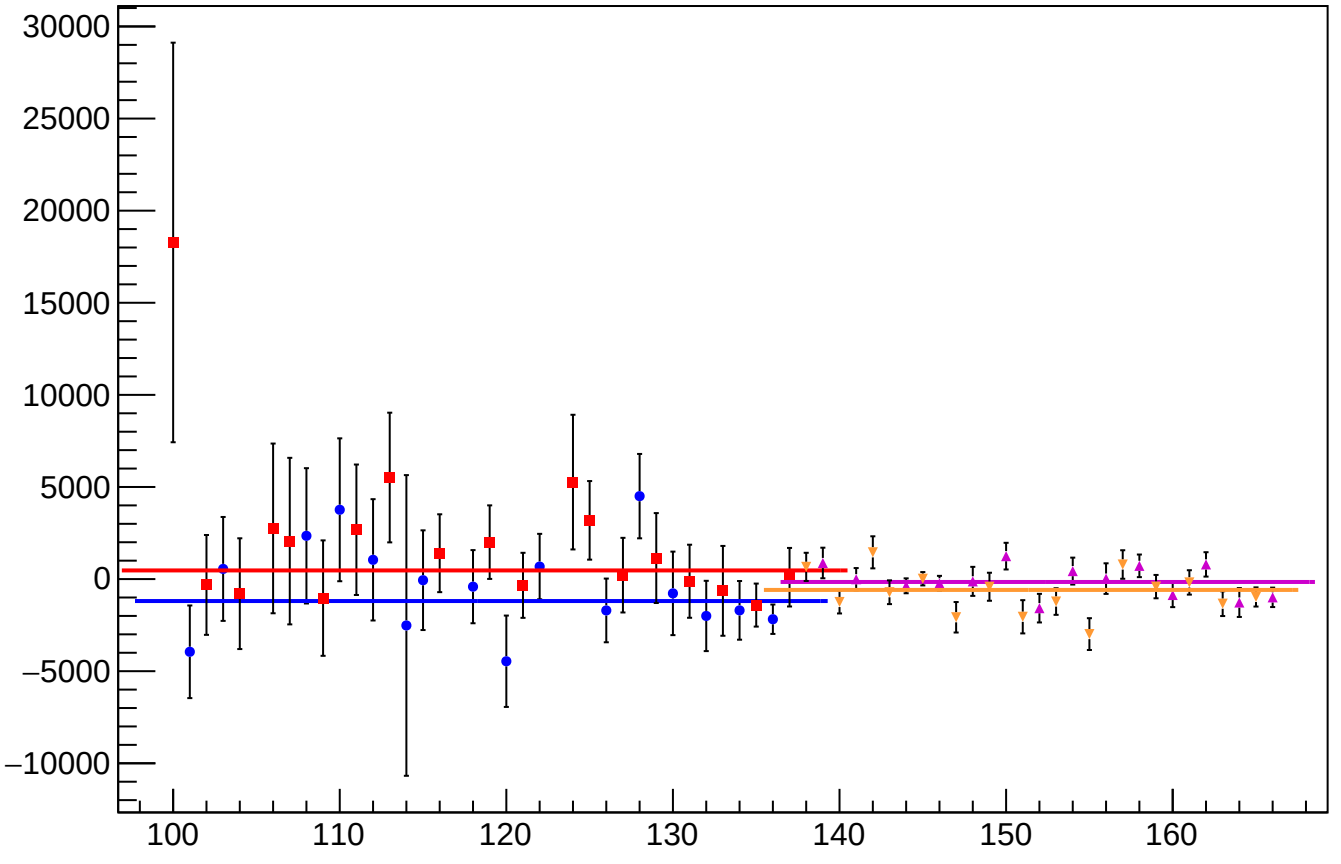
Left: 85.307+/-0.013 χ^2/NDF: 489665.3/28

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 92.806+/-0.016 χ^2/NDF:2468972.1/29

Out: 94.313+/-0.016 χ^2/NDF:2789609.1/33

All: 93.555+/-0.011 χ^2/NDF: 5263122.1/63



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -157.114+/-163.784 χ^2/NDF:19.5/13

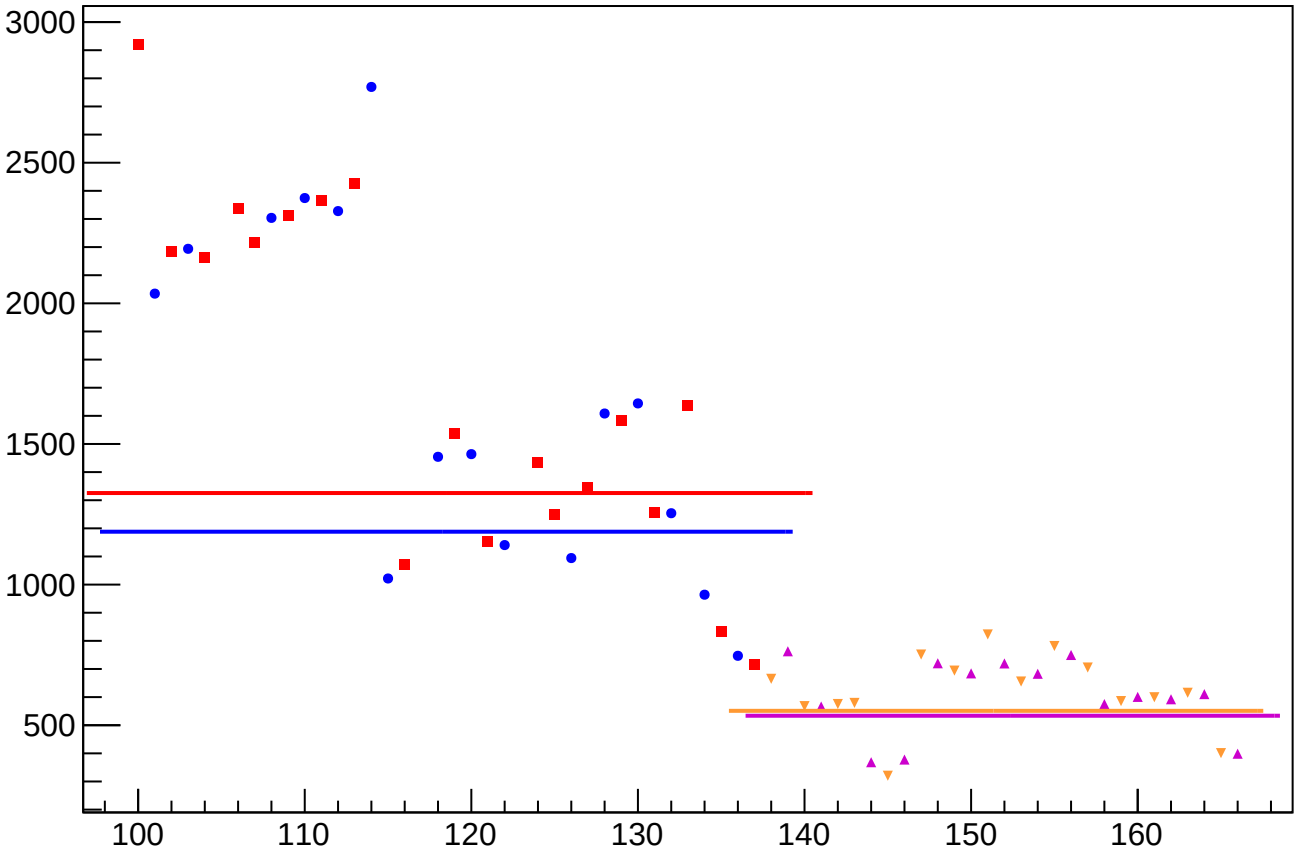
Left: -368.197+/-117.085 χ^2/NDF: 54.8/28

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -265.495+/-154.972 χ^2/NDF:39.6/29

Out: -490.130+/-159.448 χ^2/NDF:49.0/33

All: -374.615+/-111.130 χ^2/NDF: 89.6/63



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 551.231+/-0.118 χ^2/NDF:1697333.6/14

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 533.783+/-0.116 χ^2/NDF:1512806.2/13

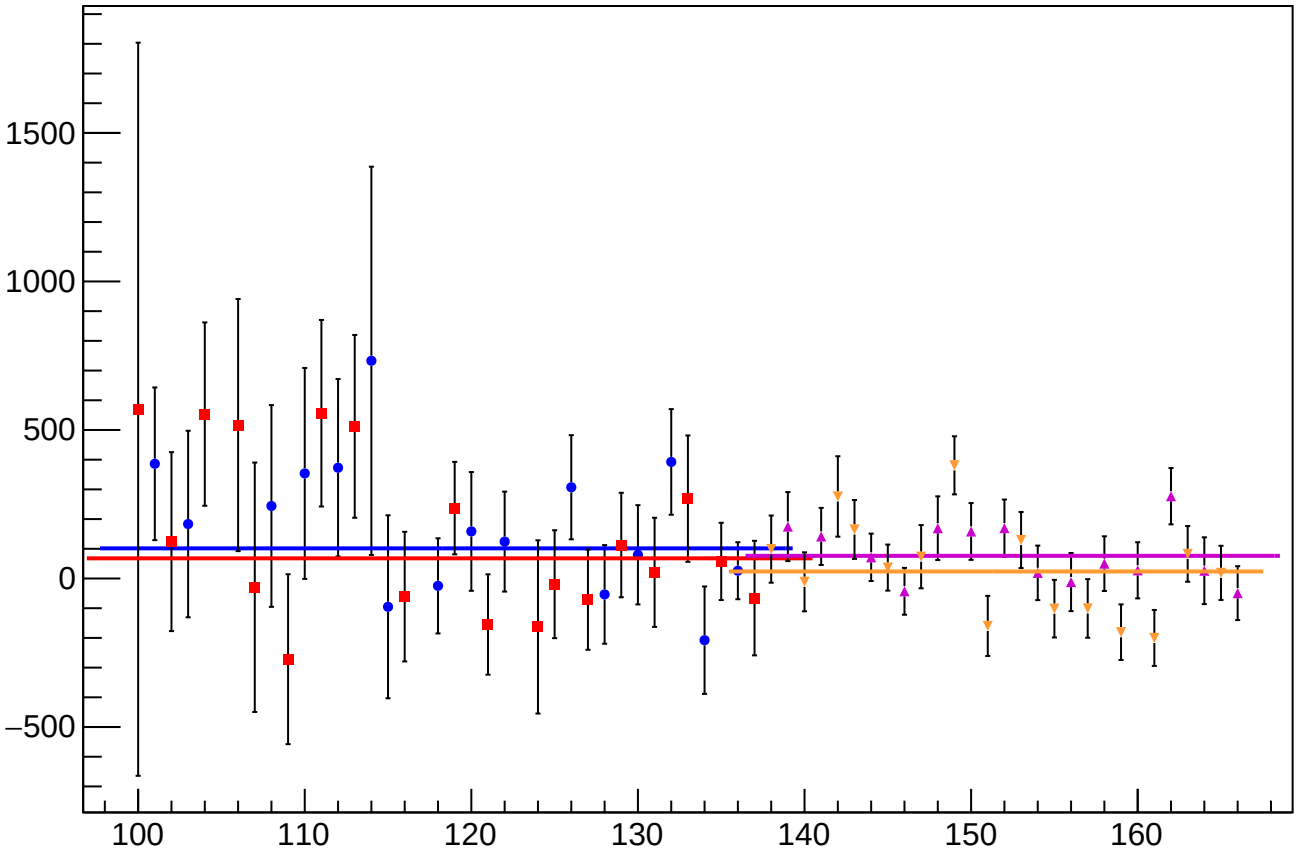
Left: 542.314+/-0.083 χ^2/NDF: 3221237.9/28

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 602.295+/-0.110 χ^2/NDF:6899597.3/29

Out: 623.422+/-0.113 χ^2/NDF:7605846.0/33

All: 612.558+/-0.079 χ^2/NDF: 14523500.3/63



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 76.297+/-25.236 χ^2/NDF:14.1/13

Left: 49.924+/-17.831 χ^2/NDF: 54.5/28

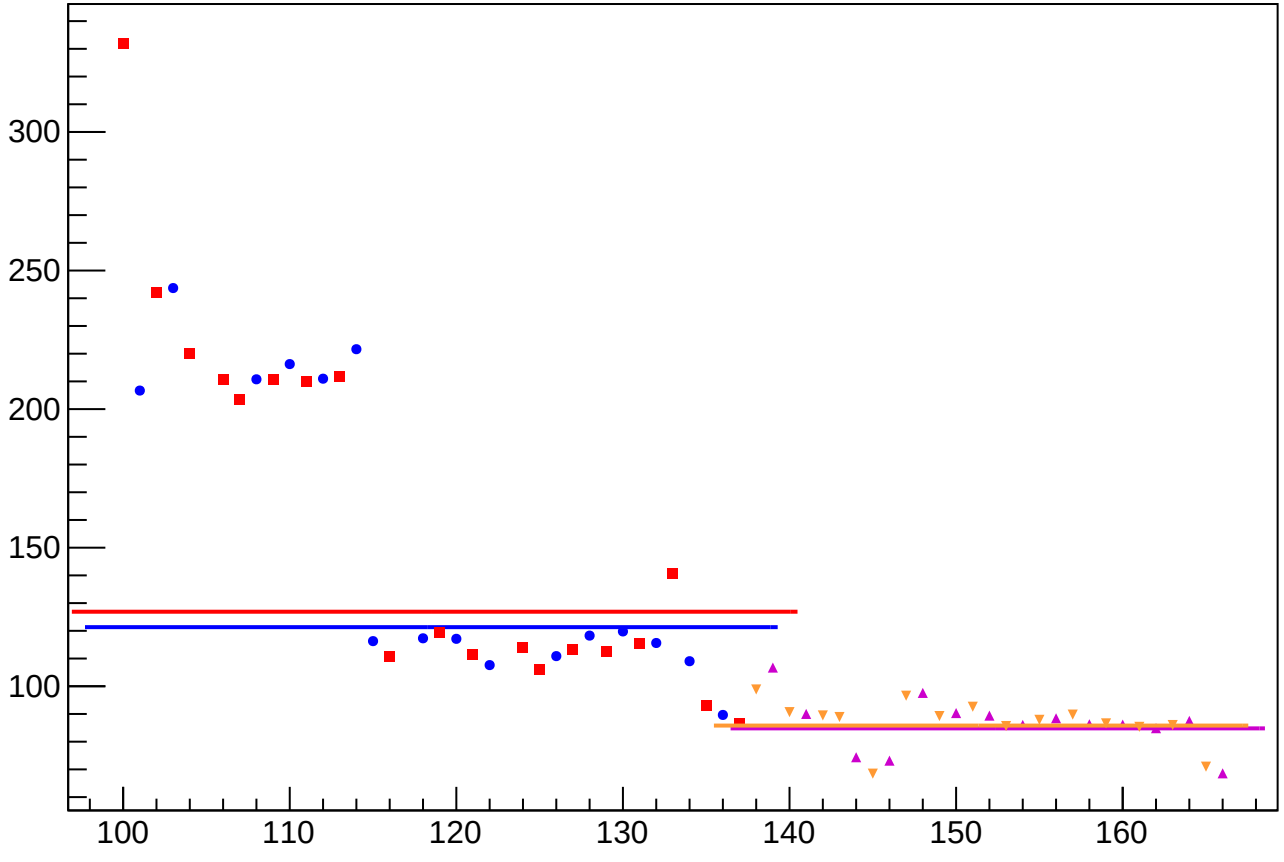
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 81.809+/-22.299 χ^2/NDF:27.6/29

Out: 32.787+/-22.439 χ^2/NDF:55.0/33

All: 57.451+/-15.817 χ^2/NDF: 85.0/63

eigen_cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.800+/-0.018 χ^2/NDF:263995.2/13

Left: 85.307+/-0.013 χ^2/NDF: 489665.3/28

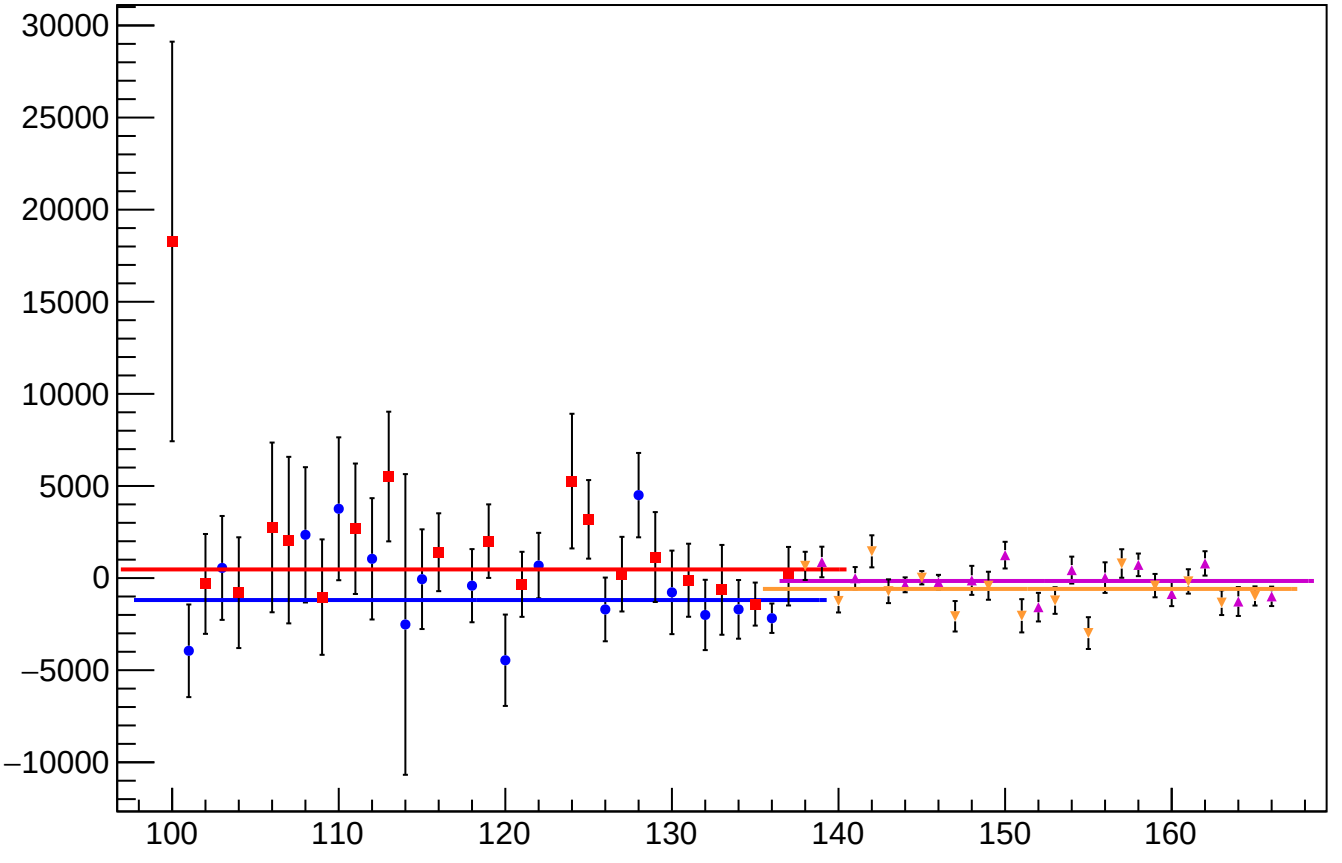
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 92.806+/-0.016 χ^2/NDF:2468972.1/29

Out: 94.313+/-0.016 χ^2/NDF:2789609.1/33

All: 93.555+/-0.011 χ^2/NDF: 5263122.1/63

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -157.114+/-163.784 χ^2/NDF:19.5/13

Left: -368.197+/-117.085 χ^2/NDF: 54.8/28

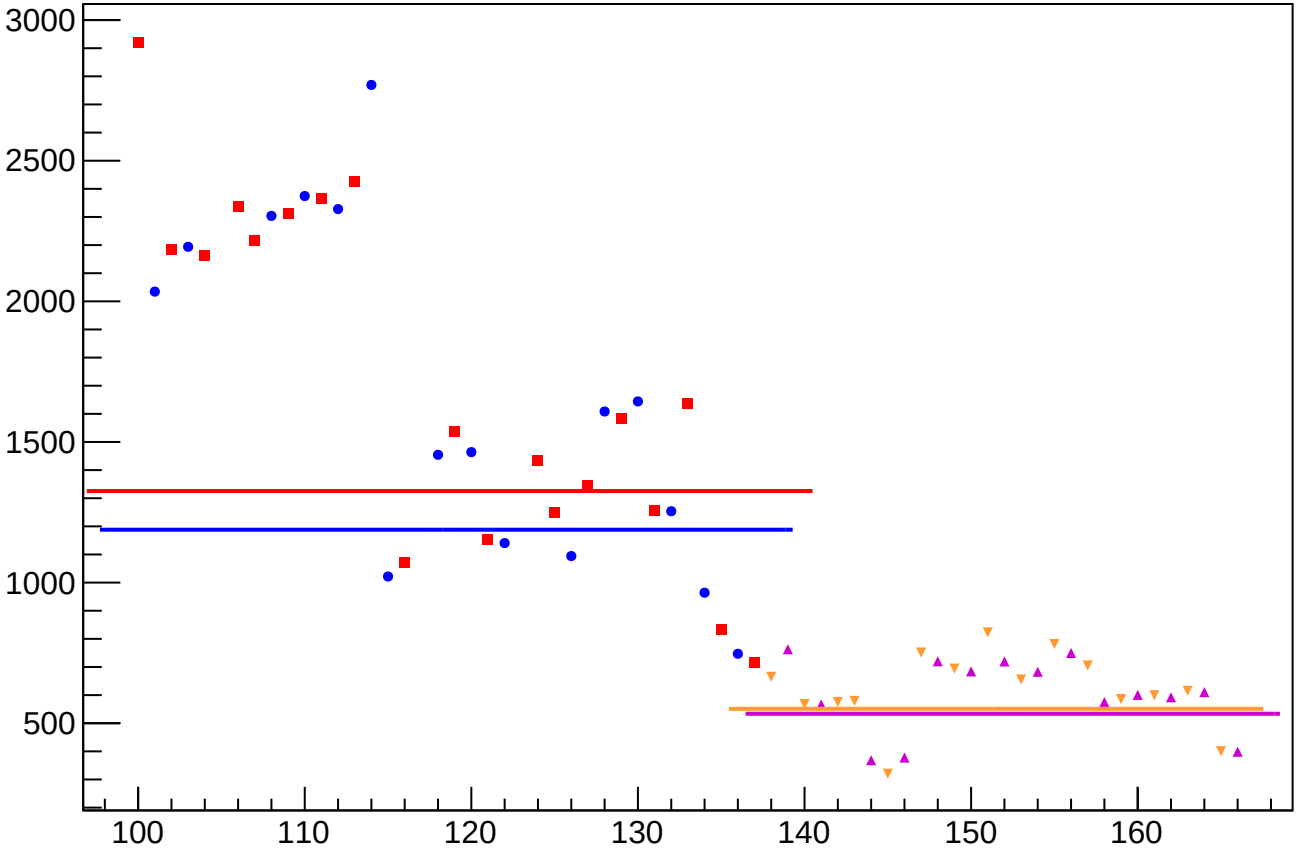
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -265.495+/-154.972 χ^2/NDF:39.6/29

Out: -490.130+/-159.448 χ^2/NDF:49.0/33

All: -374.615+/-111.130 χ^2/NDF: 89.6/63

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 551.231+/-0.118 χ^2/NDF:1697333.6/14

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 533.783+/-0.116 χ^2/NDF:1512806.2/13

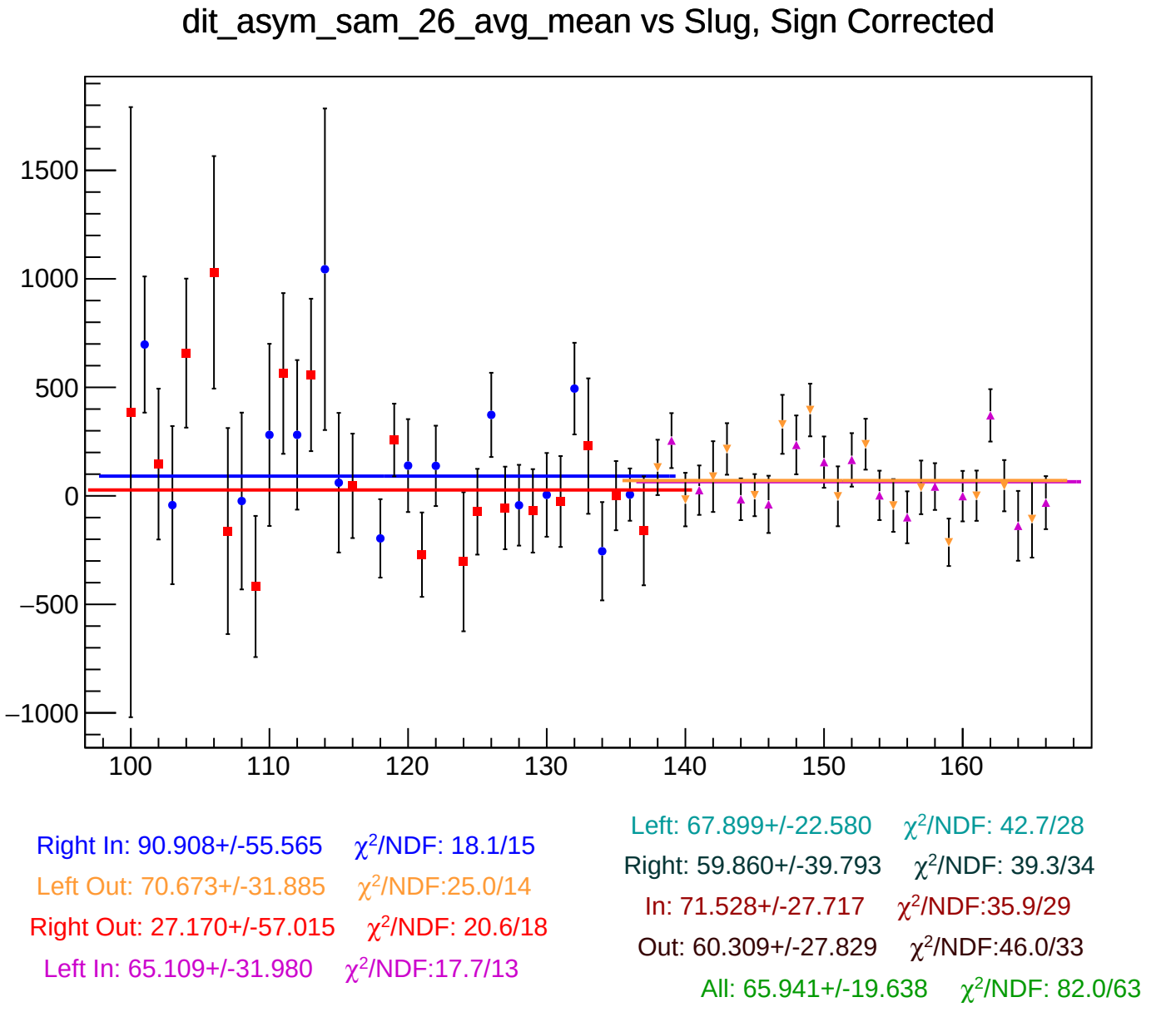
Left: 542.314+/-0.083 χ^2/NDF: 3221237.9/28

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

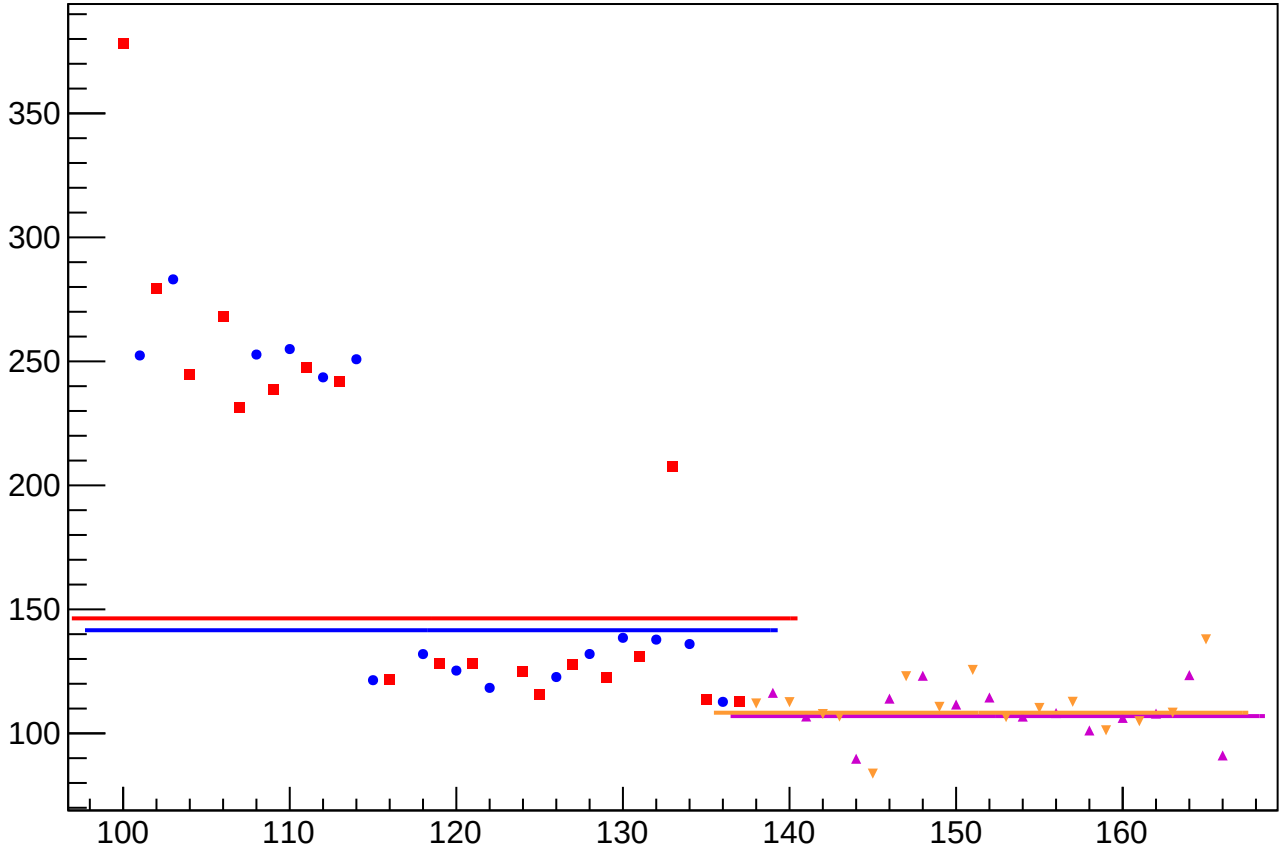
In: 602.295+/-0.110 χ^2/NDF:6899597.3/29

Out: 623.422+/-0.113 χ^2/NDF:7605846.0/33

All: 612.558+/-0.079 χ^2/NDF: 14523500.3/63


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: 90.908+/-55.565 χ²/NDF: 18.1/15
Left Out: 70.673+/-31.885 χ²/NDF:25.0/14
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 65.109+/-31.980 χ²/NDF:17.7/13
Left: 67.899+/-22.580 χ²/NDF: 42.7/28
Right: 59.860+/-39.793 χ²/NDF: 39.3/34
In: 71.528+/-27.717 χ²/NDF:35.9/29
Out: 60.309+/-27.829 χ²/NDF:46.0/33
All: 65.941+/-19.638 χ²/NDF: 82.0/63

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.328+/-0.023 χ^2/NDF:257239.9/14

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 106.967+/-0.023 χ^2/NDF:180807.3/13

Left: 107.650+/-0.016 χ^2/NDF: 439866.2/28

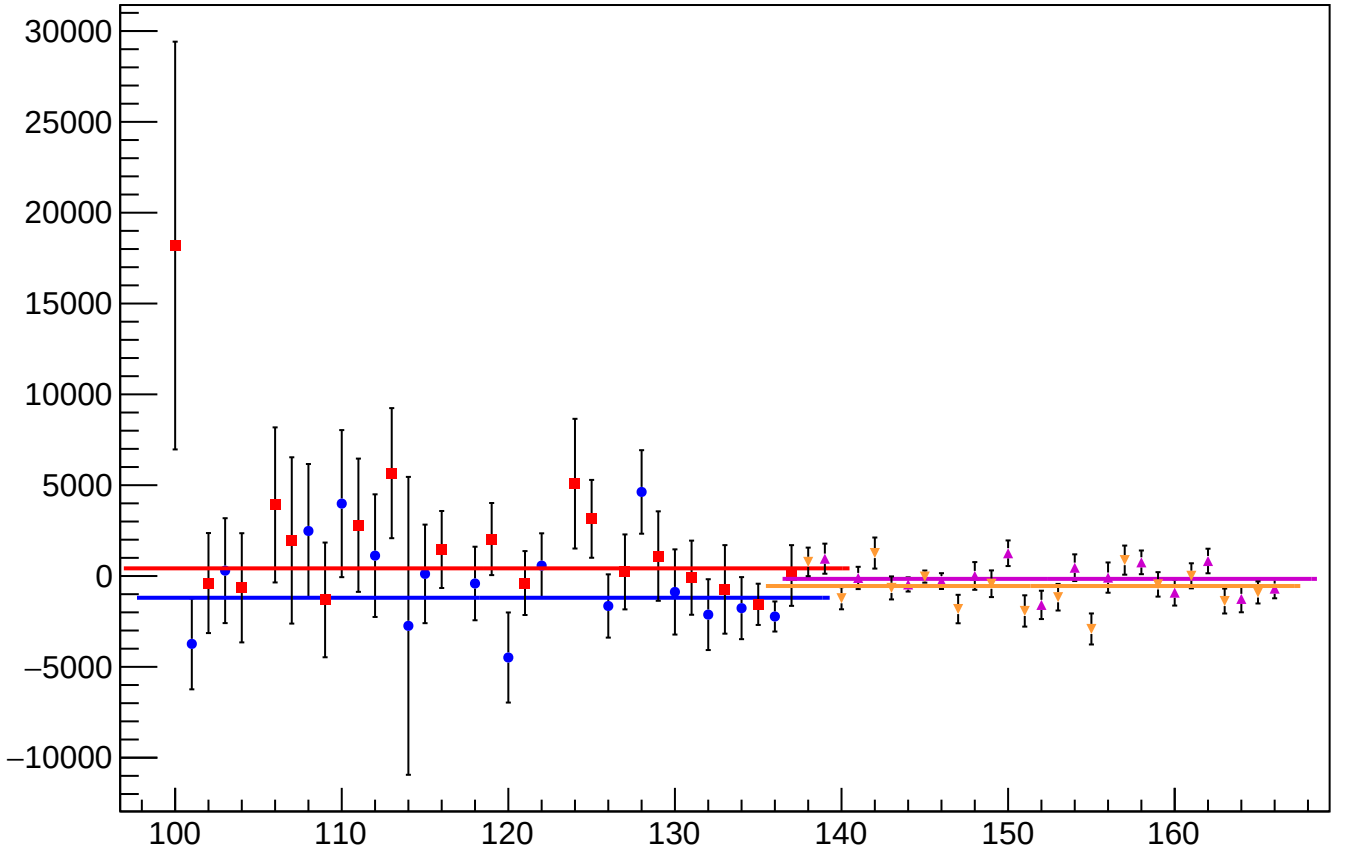
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 115.581+/-0.020 χ^2/NDF:2026375.4/29

Out: 117.391+/-0.020 χ^2/NDF:2449081.6/33

All: 116.482+/-0.014 χ^2/NDF: 4479704.4/63

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -549.770+/-166.867 χ^2/NDF:30.2/14

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -157.037+/-165.572 χ^2/NDF:19.1/13

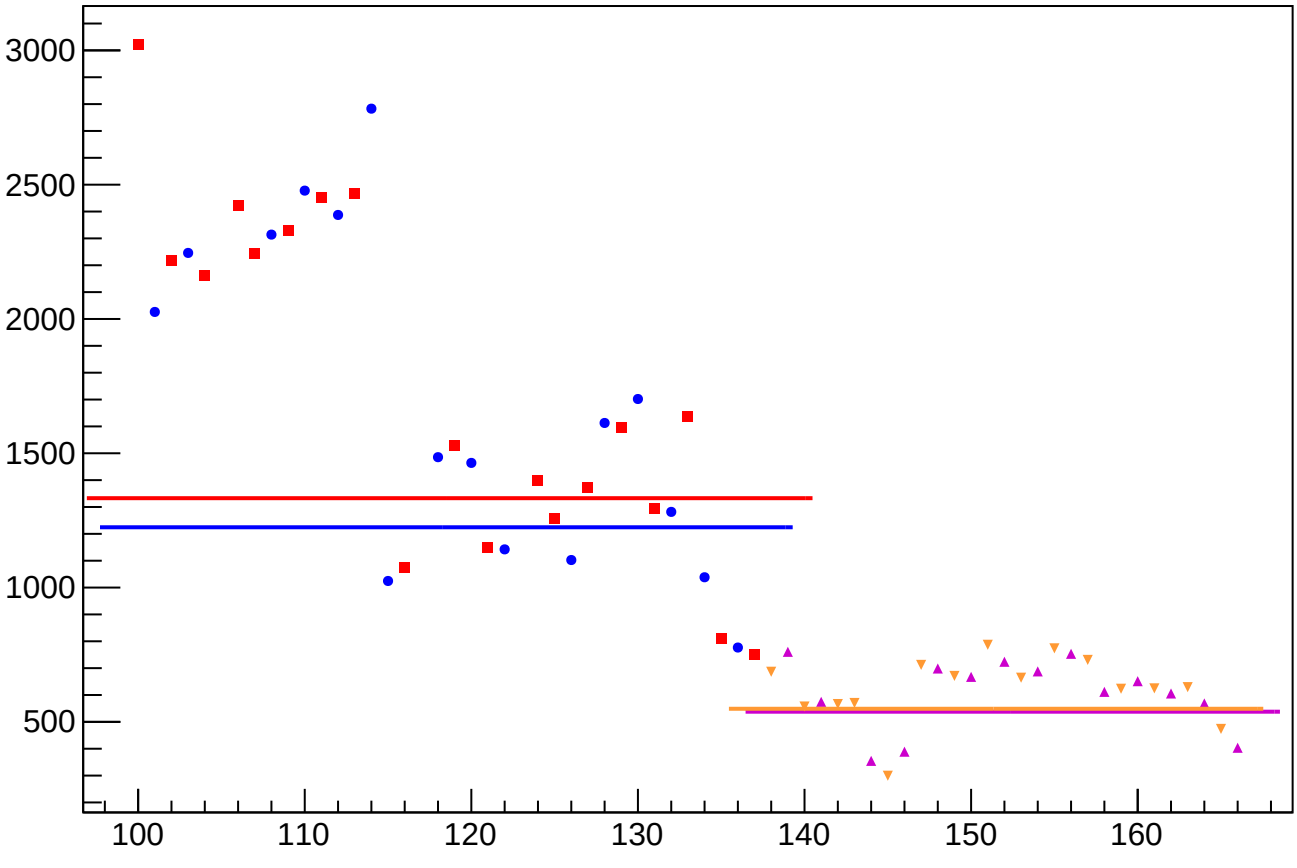
Left: -351.875+/-117.532 χ^2/NDF: 52.1/28

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -263.037+/-156.905 χ^2/NDF:39.1/29

Out: -460.231+/-158.995 χ^2/NDF:47.6/33

All: -360.329+/-111.680 χ^2/NDF: 87.5/63



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 548.770+/-0.118 χ^2/NDF:1873403.4/14

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 537.857+/-0.117 χ^2/NDF:1539257.1/13

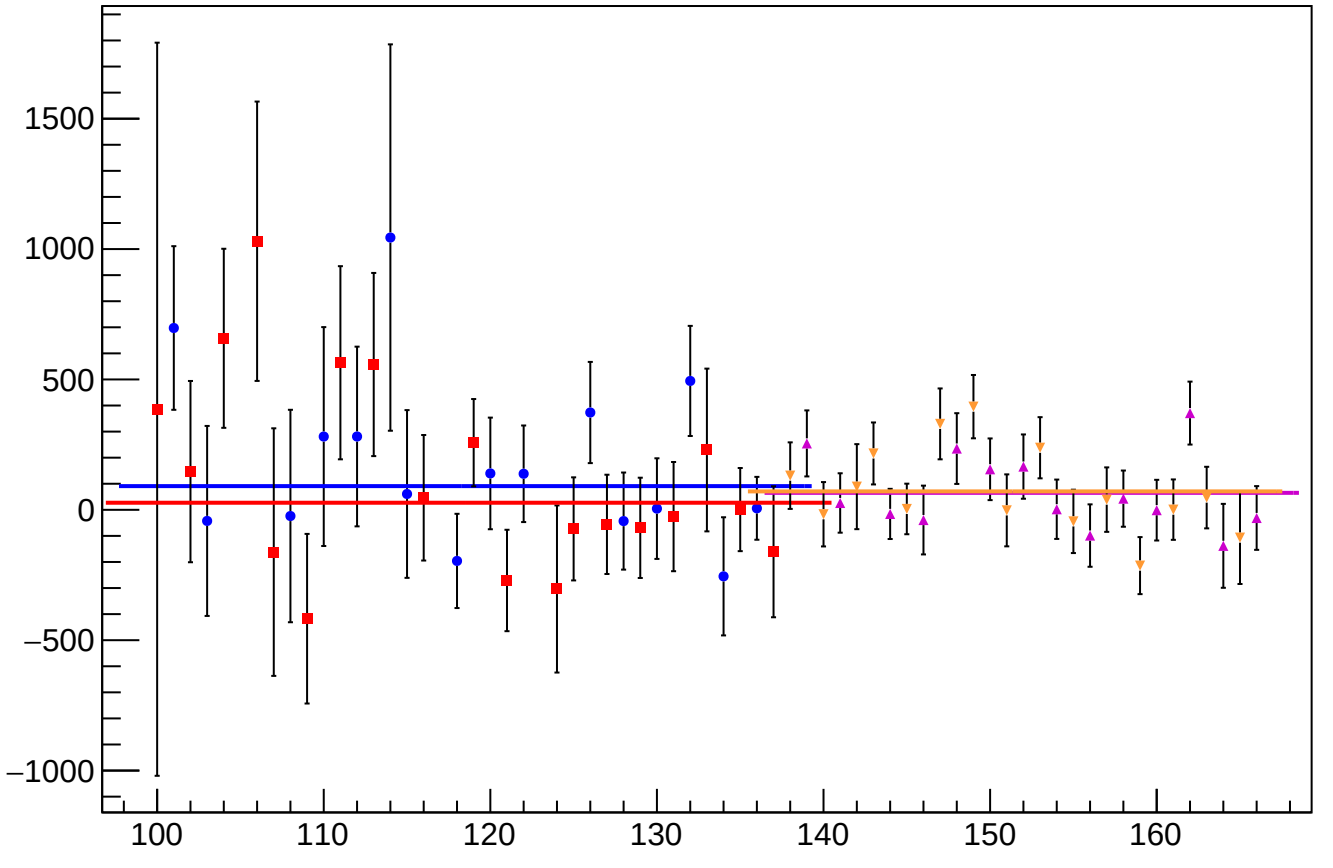
Left: 543.271+/-0.083 χ^2/NDF: 3416970.4/28

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 607.864+/-0.111 χ^2/NDF:7005390.9/29

Out: 620.997+/-0.112 χ^2/NDF:7935621.4/33

All: 614.344+/-0.079 χ^2/NDF: 14947925.0/63



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 70.673+/-31.885 χ^2/NDF:25.0/14

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 65.107+/-31.980 χ^2/NDF:17.7/13

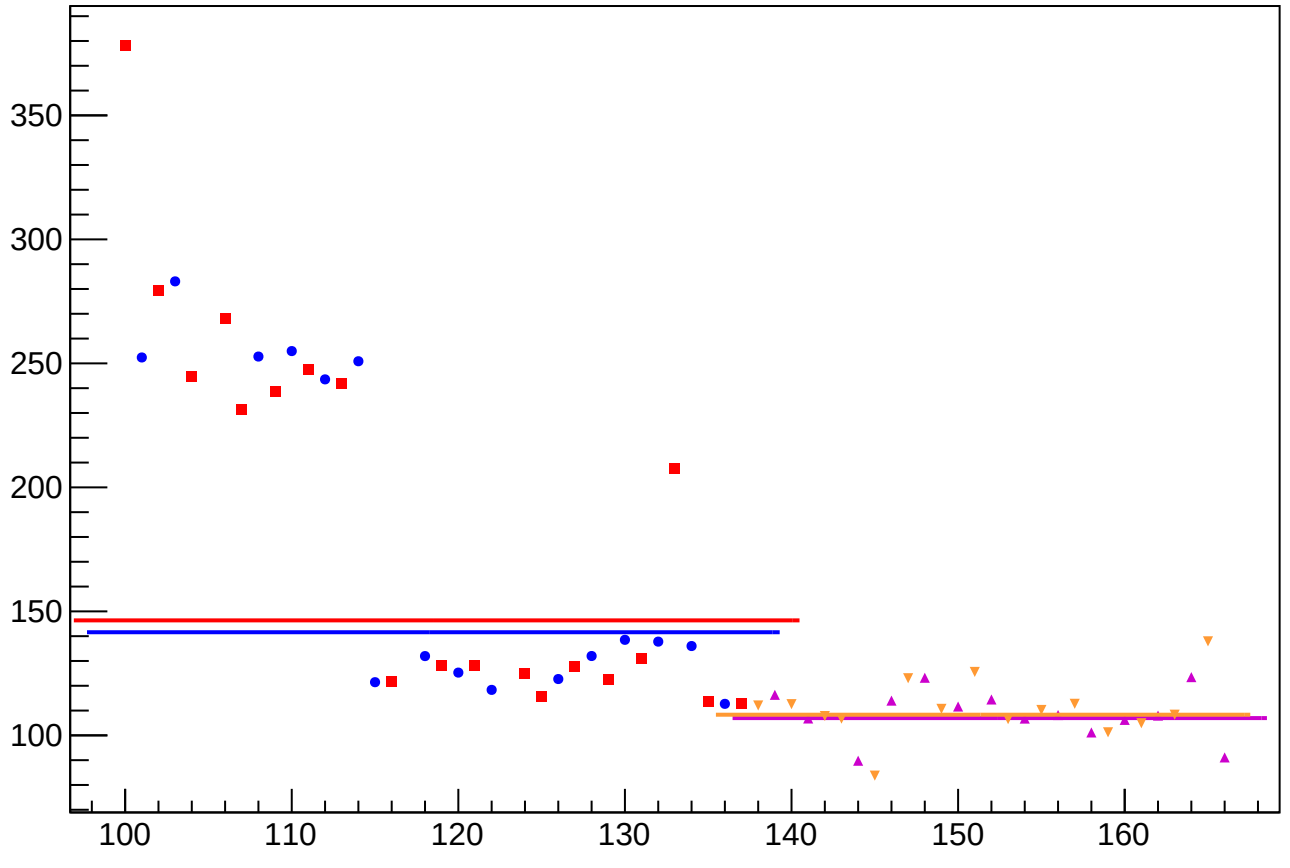
Left: 67.898+/-22.580 χ^2/NDF: 42.7/28

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 71.527+/-27.717 χ^2/NDF:35.9/29

Out: 60.309+/-27.829 χ^2/NDF:46.0/33

All: 65.941+/-19.638 χ^2/NDF: 82.0/63



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.329+/-0.023 χ^2/NDF:257230.2/14

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 106.967+/-0.023 χ^2/NDF:180808.1/13

Left: 107.650+/-0.016 χ^2/NDF: 439857.4/28

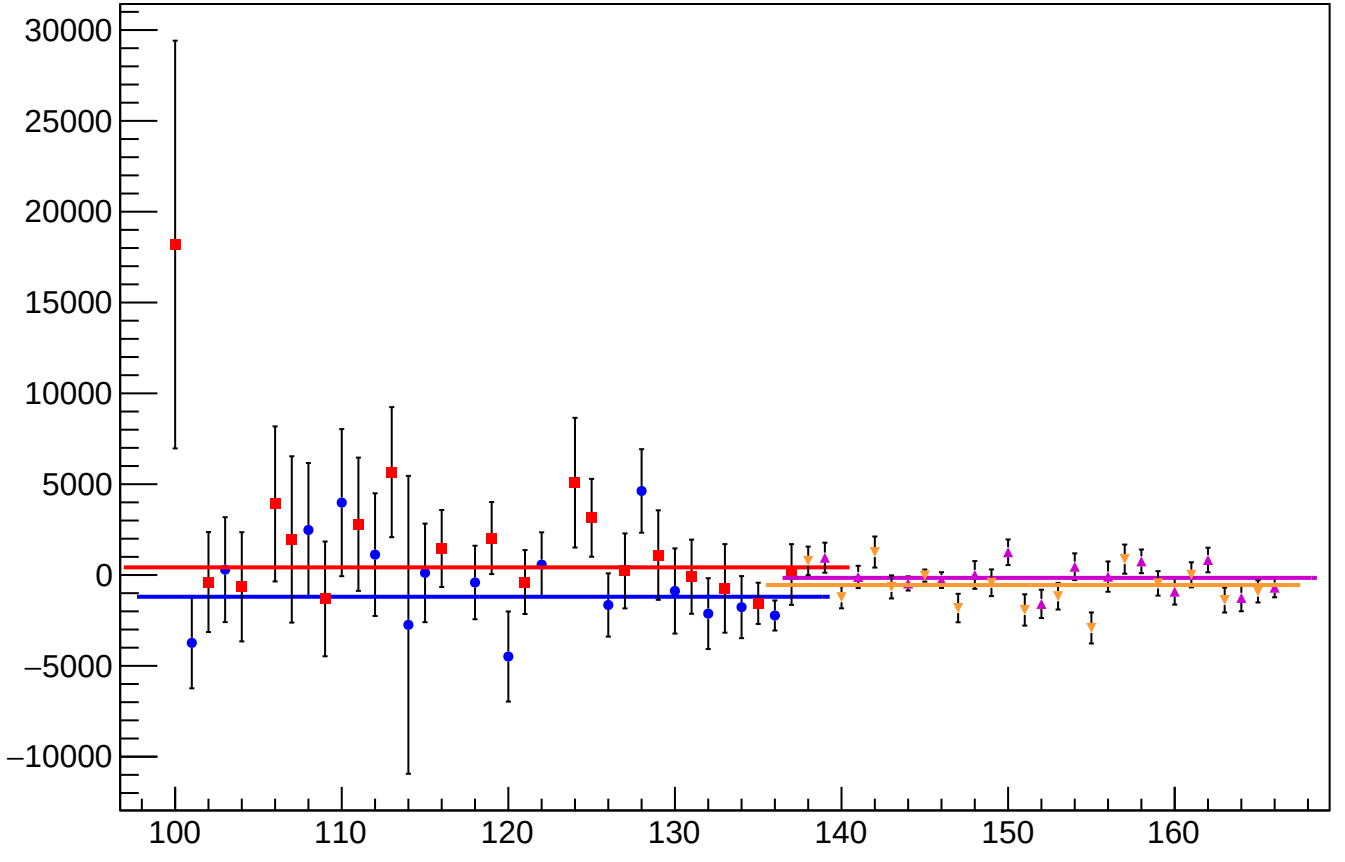
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 115.581+/-0.020 χ^2/NDF:2026330.1/29

Out: 117.391+/-0.020 χ^2/NDF:2449034.2/33

All: 116.483+/-0.014 χ^2/NDF: 4479612.2/63

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -549.767+/-166.866 χ^2/NDF:30.2/14

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -157.037+/-165.572 χ^2/NDF:19.1/13

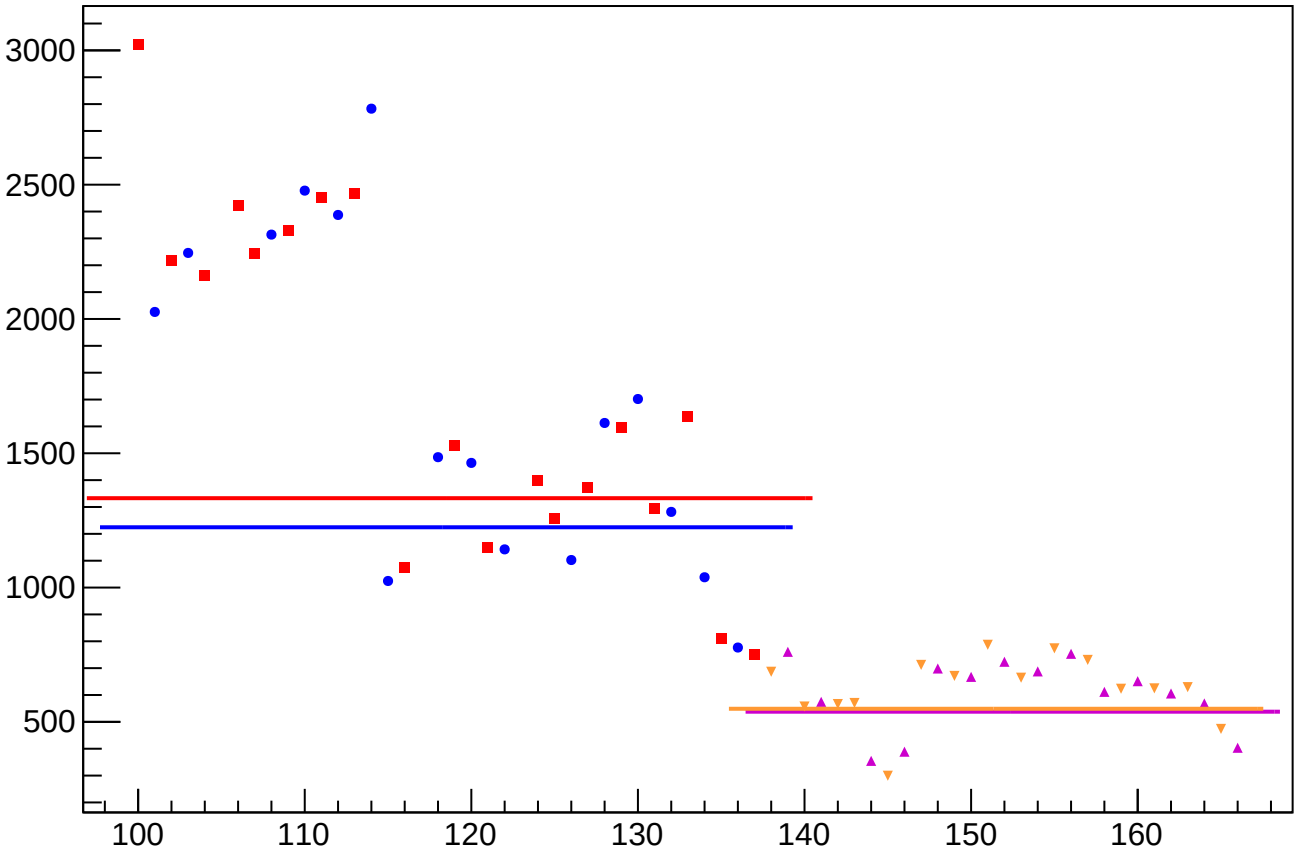
Left: -351.874+/-117.532 χ^2/NDF: 52.1/28

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -263.037+/-156.905 χ^2/NDF:39.1/29

Out: -460.228+/-158.994 χ^2/NDF:47.6/33

All: -360.328+/-111.680 χ^2/NDF: 87.5/63



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 548.768+/-0.118 χ^2/NDF:1873451.9/14

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 537.856+/-0.117 χ^2/NDF:1539273.3/13

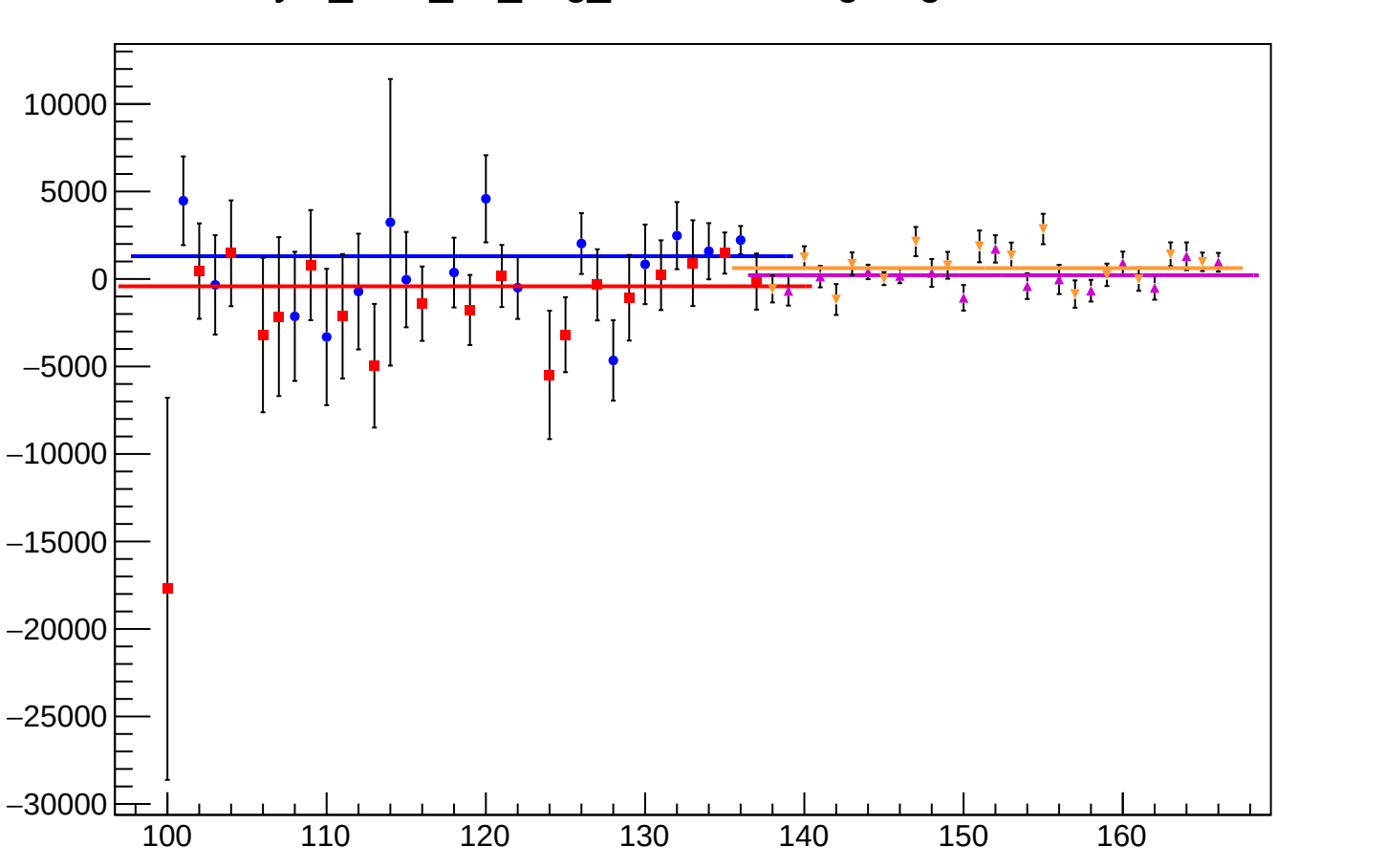
Left: 543.270+/-0.083 χ^2/NDF: 3417034.4/28

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 607.864+/-0.111 χ^2/NDF:7005397.6/29

Out: 620.995+/-0.112 χ^2/NDF:7935673.8/33

All: 614.343+/-0.079 χ^2/NDF: 14947983.0/63



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 622.515+/-169.717 χ^2/NDF:29.7/14

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 217.219+/-166.117 χ^2/NDF:17.1/13

Left: 415.523+/-118.715 χ^2/NDF: 49.7/28

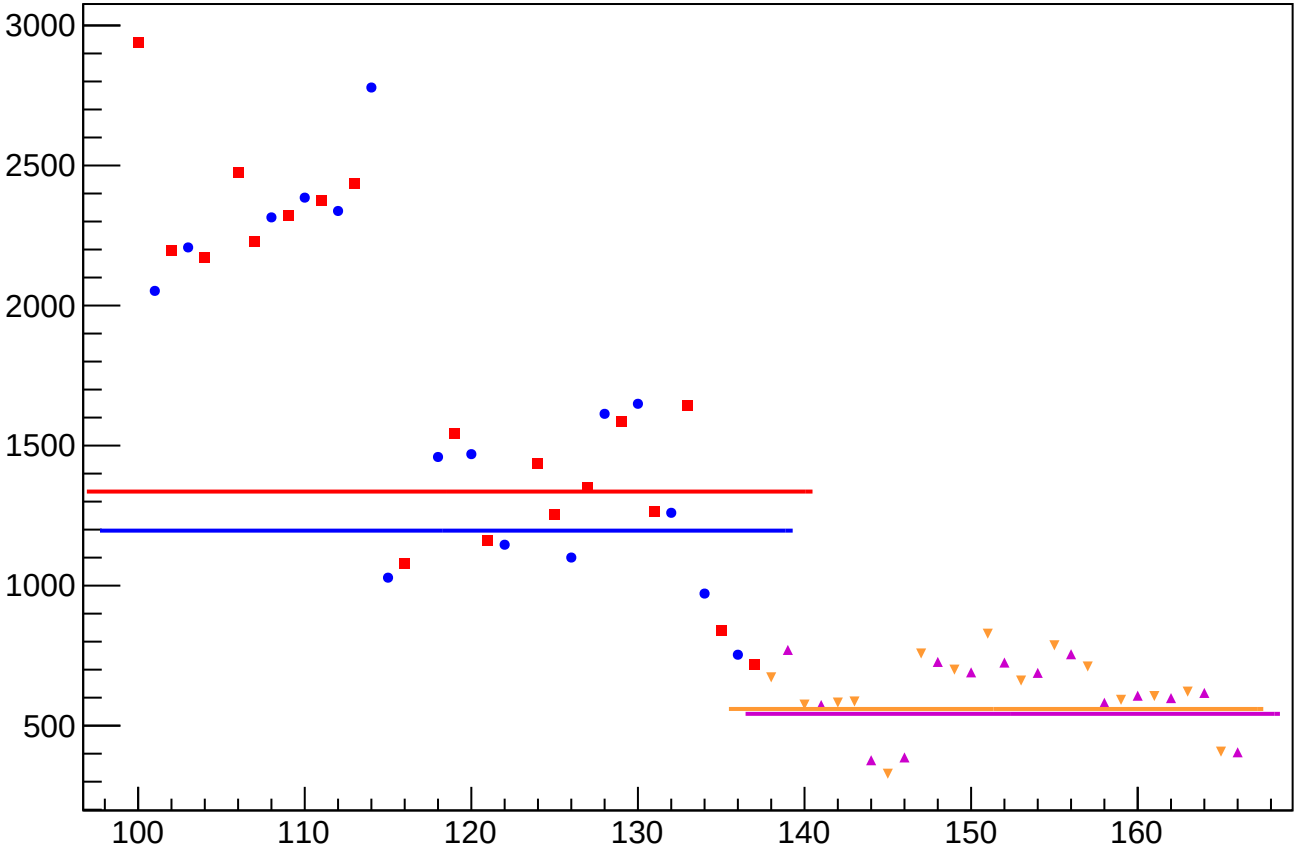
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 332.365+/-157.050 χ^2/NDF:38.1/29

Out: 523.874+/-161.474 χ^2/NDF:46.4/33

All: 425.459+/-112.583 χ^2/NDF: 85.1/63

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 559.641+/-0.120 χ^2/NDF:1628739.3/14

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 542.204+/-0.117 χ^2/NDF:1453676.6/13

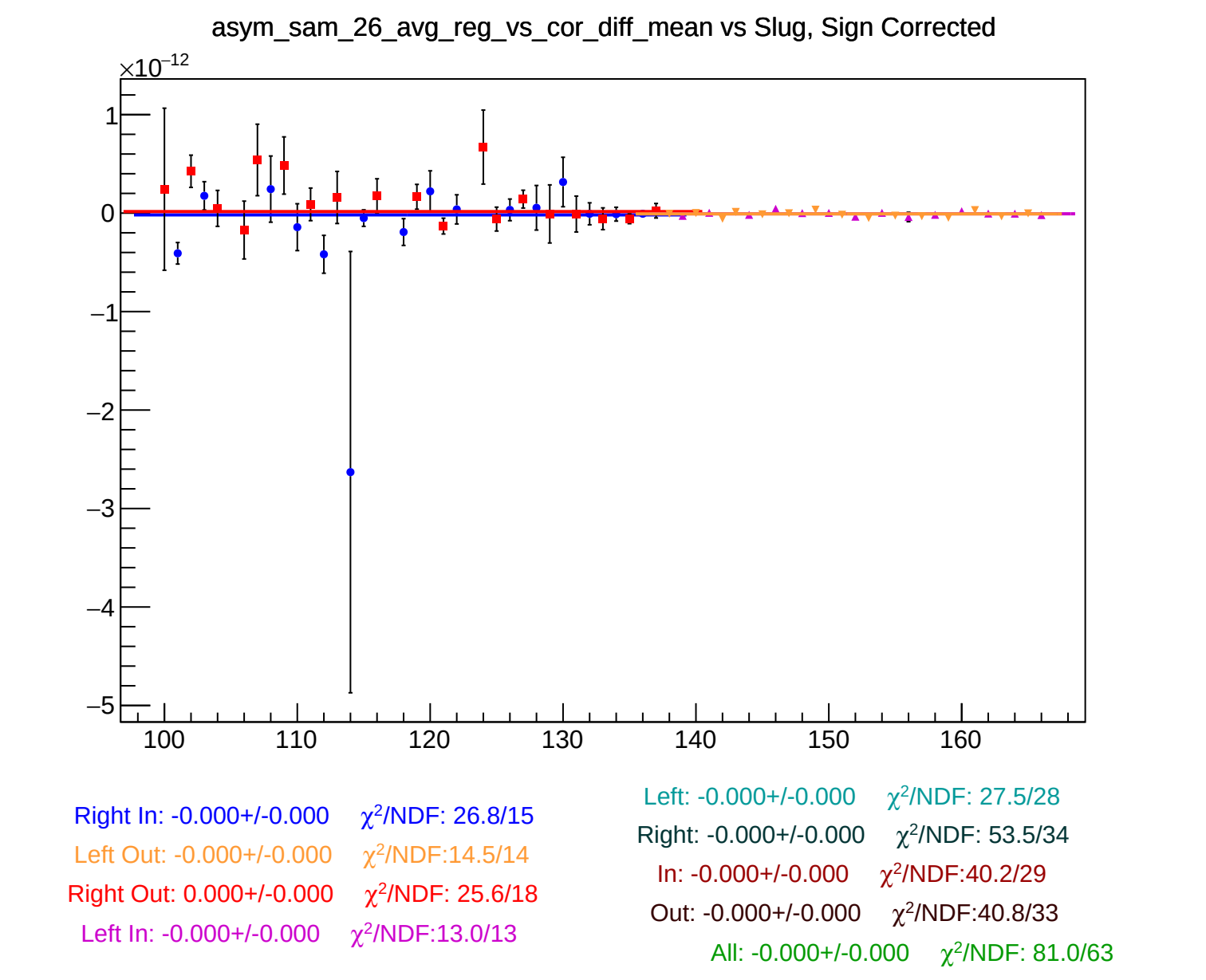
Left: 550.736+/-0.084 χ^2/NDF: 3093198.6/28

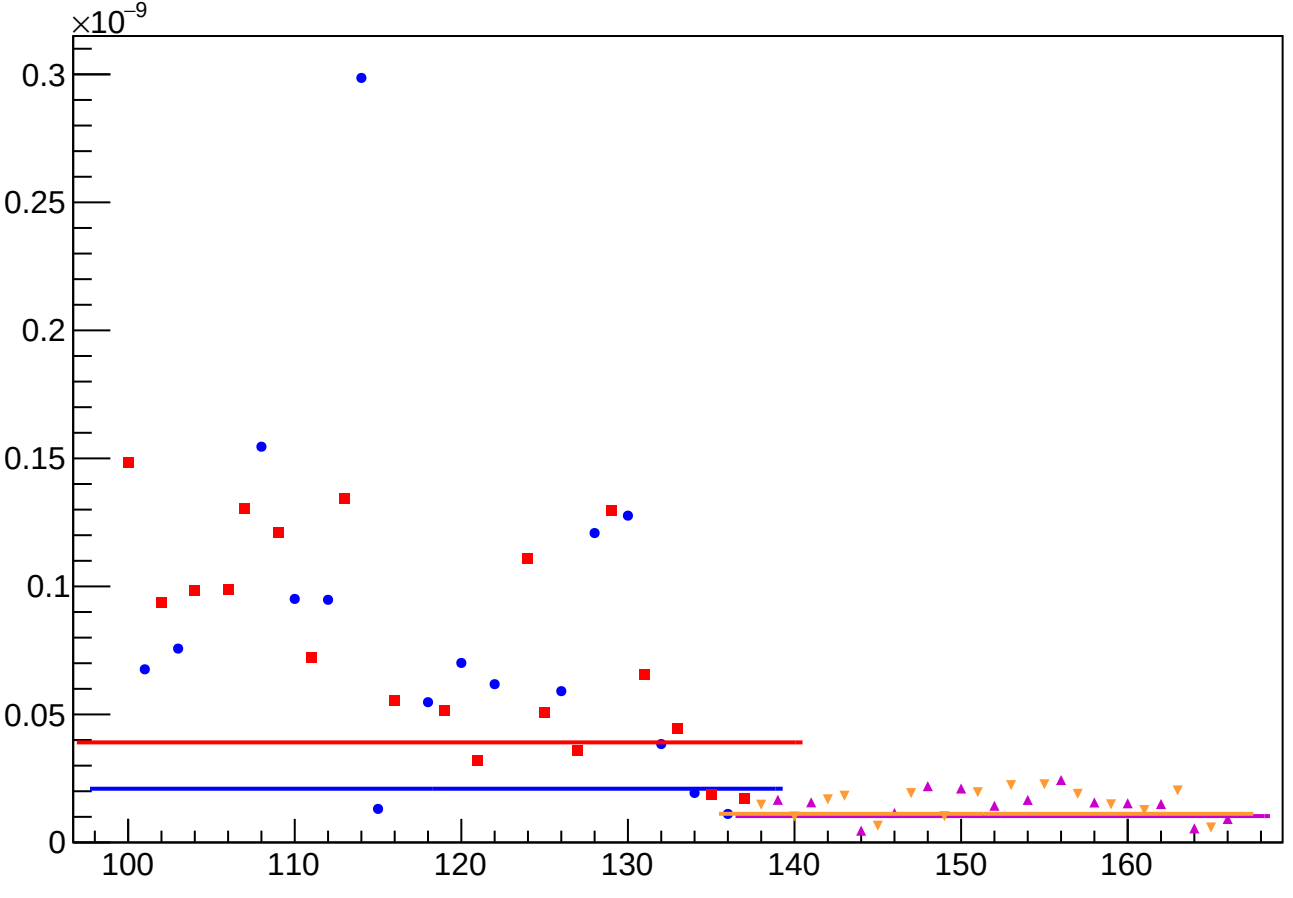
Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 611.664+/-0.111 χ^2/NDF:6778541.8/29

Out: 633.202+/-0.114 χ^2/NDF:7544648.4/33

All: 622.134+/-0.080 χ^2/NDF: 14341476.8/63


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 26.8/15
Left Out: -0.000+/-0.000 χ²/NDF:14.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.0/13
Left: -0.000+/-0.000 χ²/NDF: 27.5/28
Right: -0.000+/-0.000 χ²/NDF: 53.5/34
In: -0.000+/-0.000 χ²/NDF:40.2/29
Out: -0.000+/-0.000 χ²/NDF:40.8/33
All: -0.000+/-0.000 χ²/NDF: 81.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1802791.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2017809.5/13

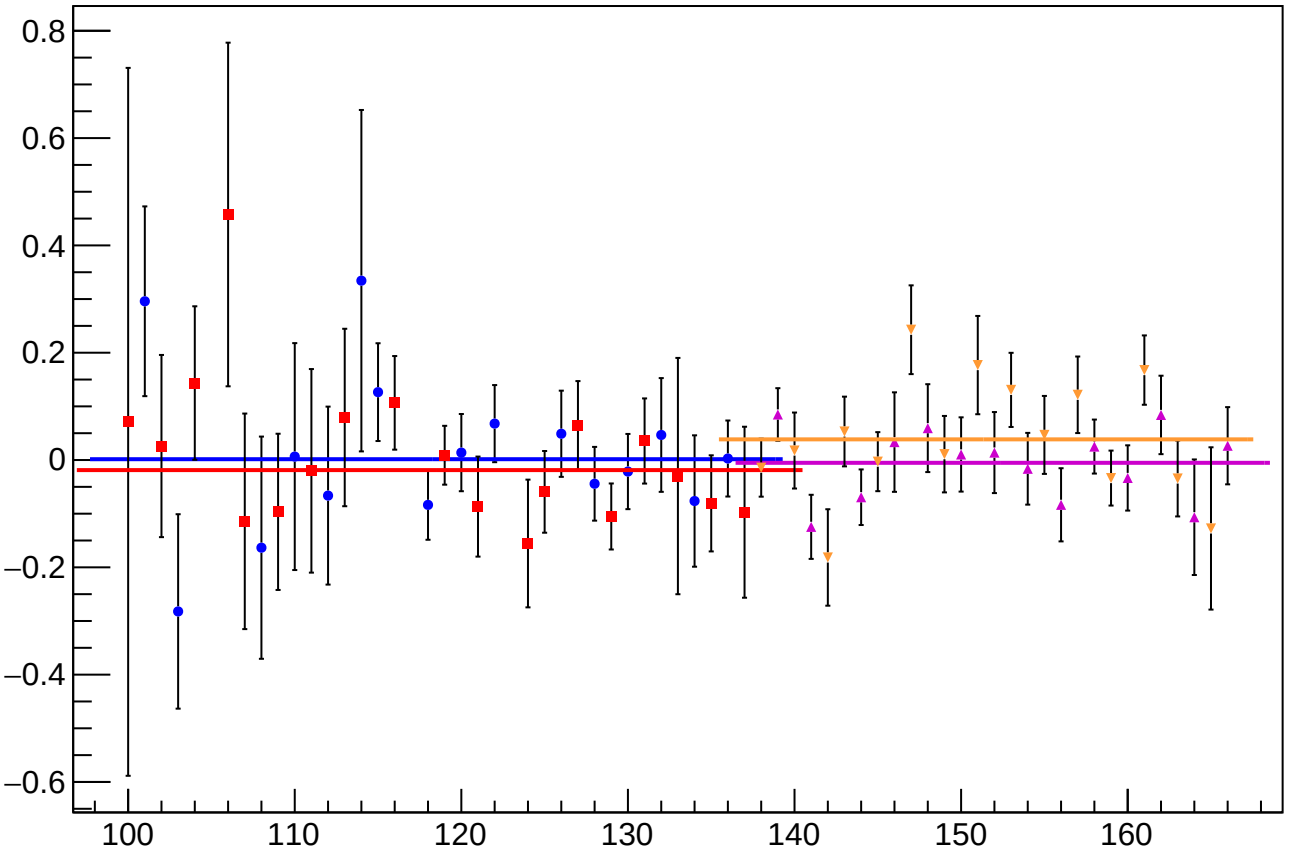
Left: 0.000+/-0.000 χ^2/NDF: 3845164.3/28

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6053270.8/29

Out: 0.000+/-0.000 χ^2/NDF:5838193.5/33

All: 0.000+/-0.000 χ^2/NDF: 11928913.2/63



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

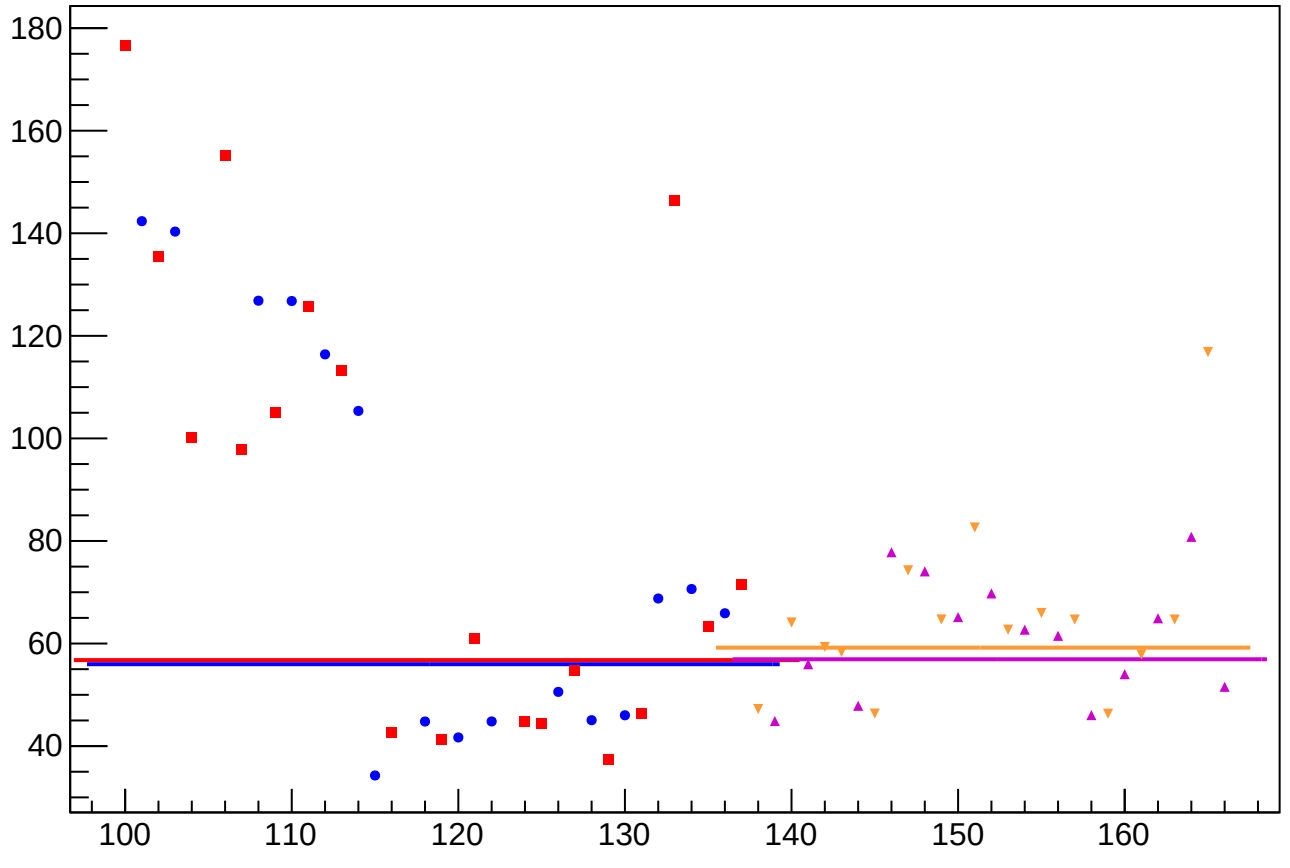
Left: 0.016+/-0.012 χ^2/NDF: 45.0/28

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/63



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.201+/-0.013 χ^2/NDF:890699.5/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.932+/-0.012 χ^2/NDF:712990.5/13

Left: 58.043+/-0.009 χ^2/NDF: 1620267.9/28

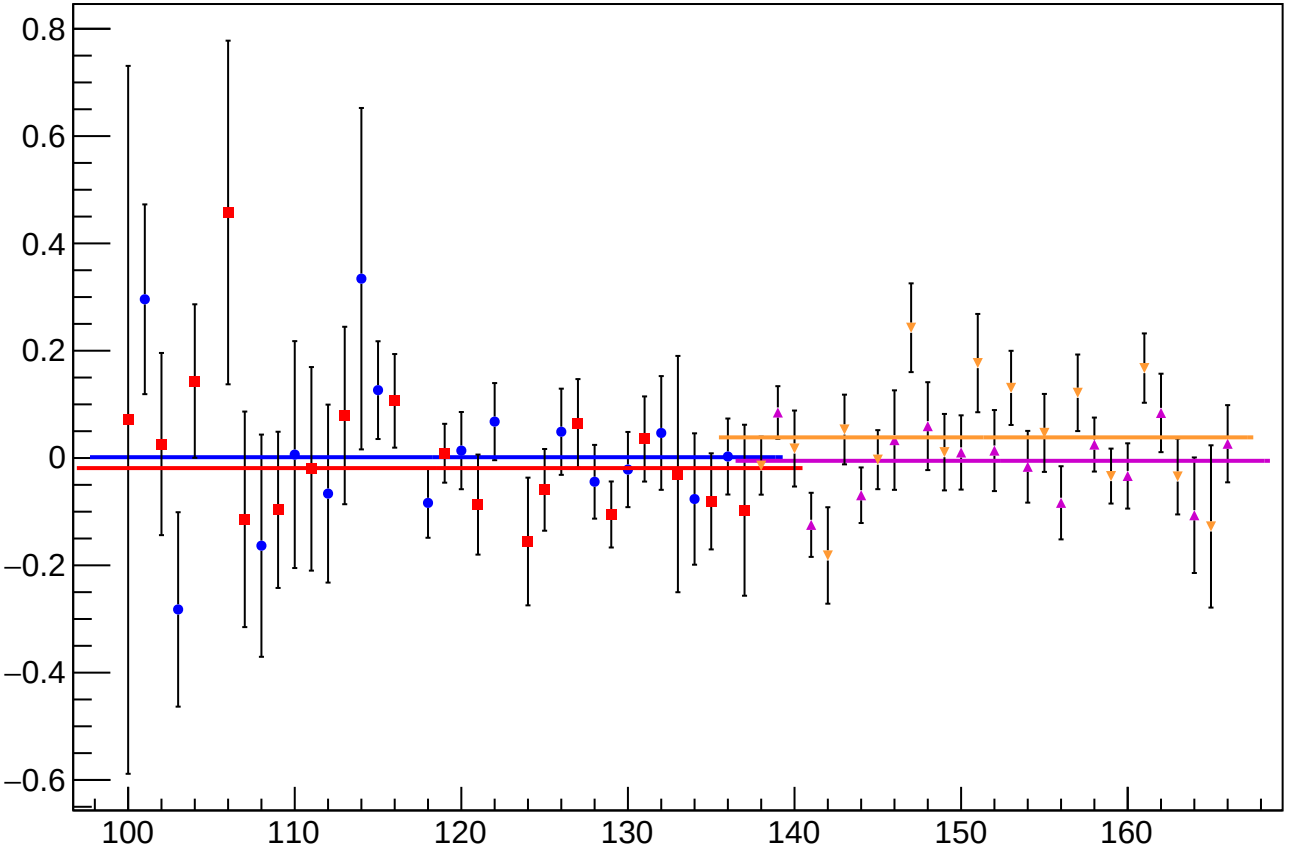
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.589+/-0.010 χ^2/NDF:2895000.7/29

Out: 58.316+/-0.010 χ^2/NDF:3457507.2/33

All: 57.439+/-0.007 χ^2/NDF: 6367530.3/63

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

Left: 0.016+/-0.012 χ^2/NDF: 45.0/28

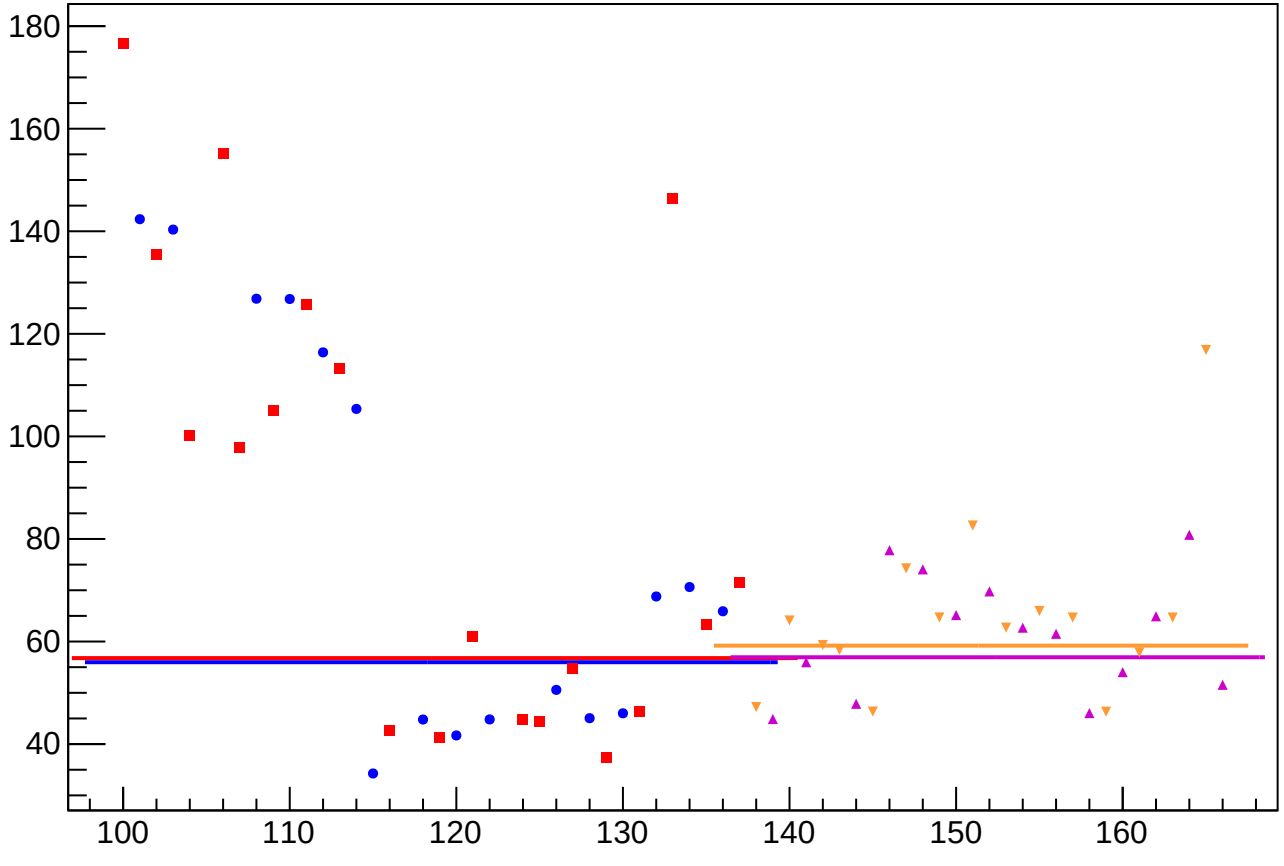
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/63

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.201+/-0.013 χ^2/NDF:890699.5/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.932+/-0.012 χ^2/NDF:712990.5/13

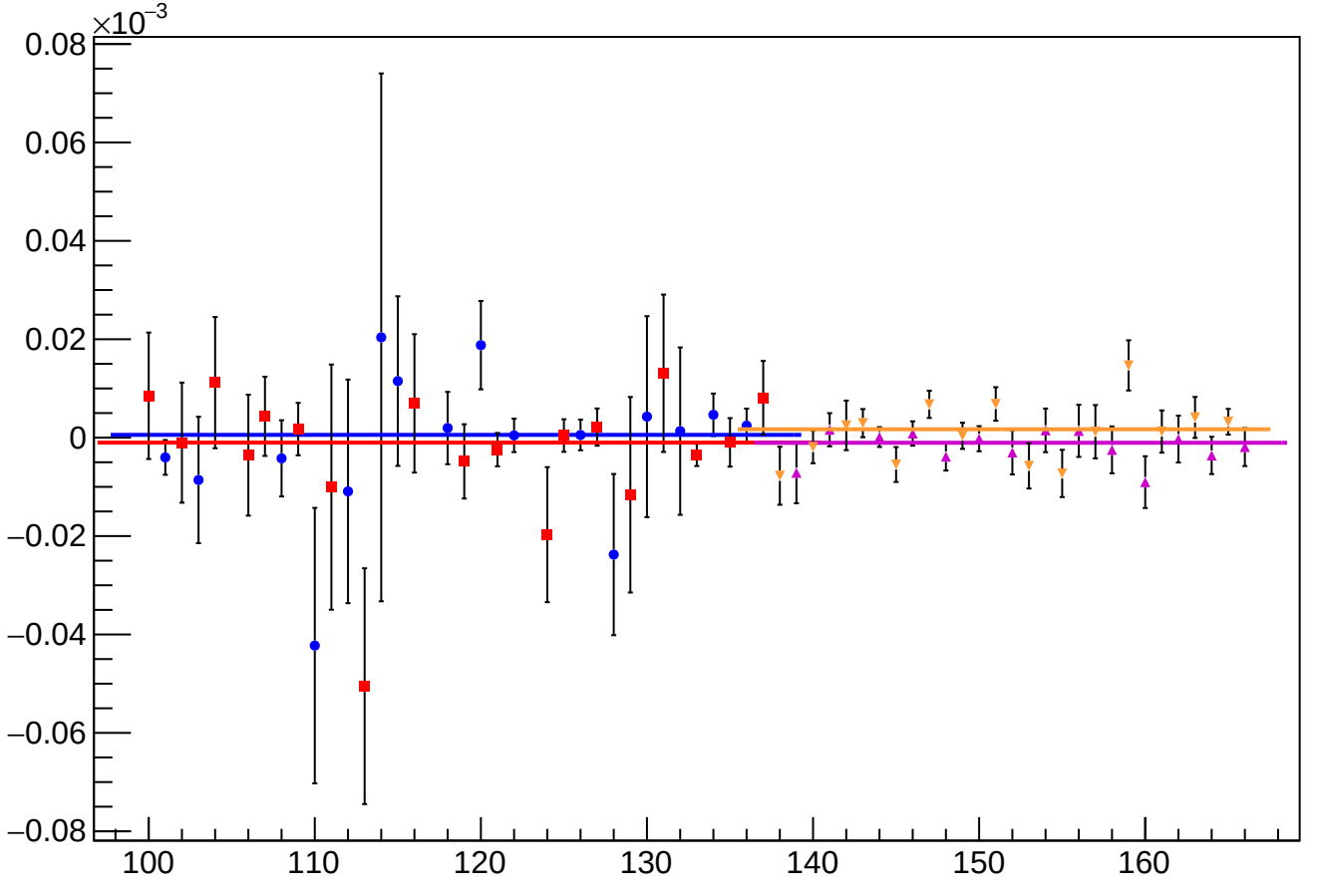
Left: 58.043+/-0.009 χ^2/NDF: 1620267.9/28

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.589+/-0.010 χ^2/NDF:2895000.7/29

Out: 58.316+/-0.010 χ^2/NDF:3457507.2/33

All: 57.439+/-0.007 χ^2/NDF: 6367530.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/13

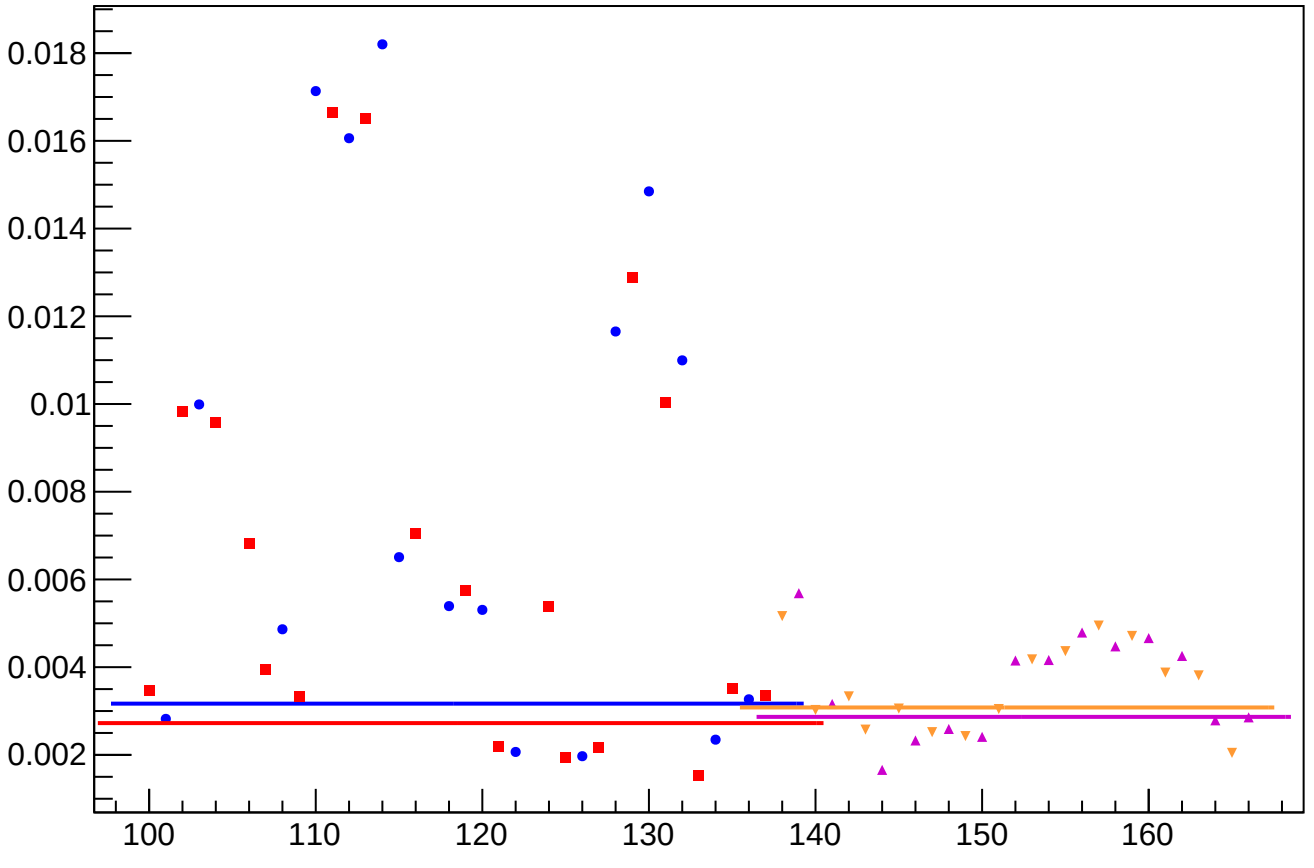
Left: 0.000+/-0.000 χ^2/NDF: 38.9/28

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:21.4/29

Out: 0.000+/-0.000 χ^2/NDF:44.0/33

All: 0.000+/-0.000 χ^2/NDF: 66.9/63



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1662724.9/14

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2559582.5/13

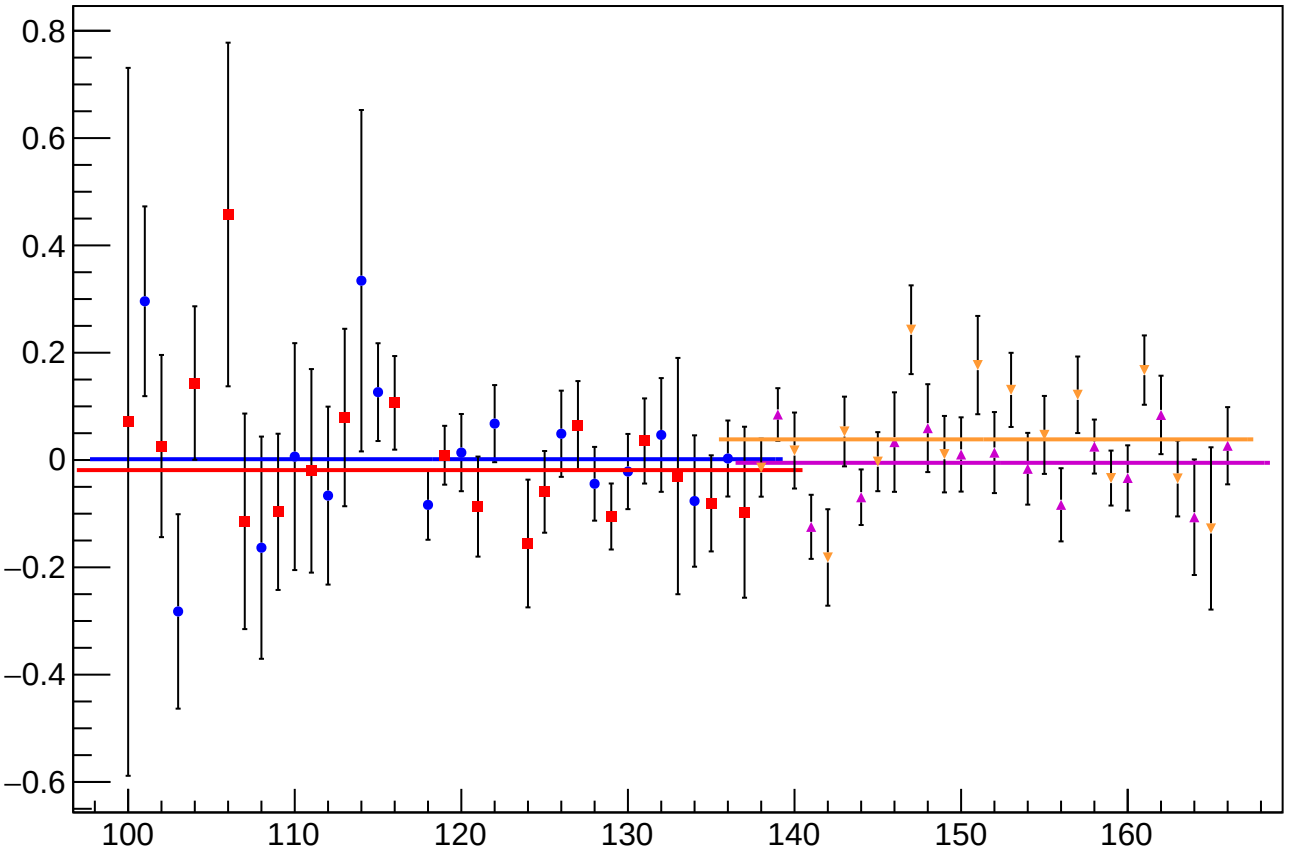
Left: 0.003+/-0.000 χ^2/NDF: 4276097.8/28

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7167398.1/29

Out: 0.003+/-0.000 χ^2/NDF:6917583.2/33

All: 0.003+/-0.000 χ^2/NDF: 14085003.1/63



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

Left: 0.016+/-0.012 χ^2/NDF: 45.0/28

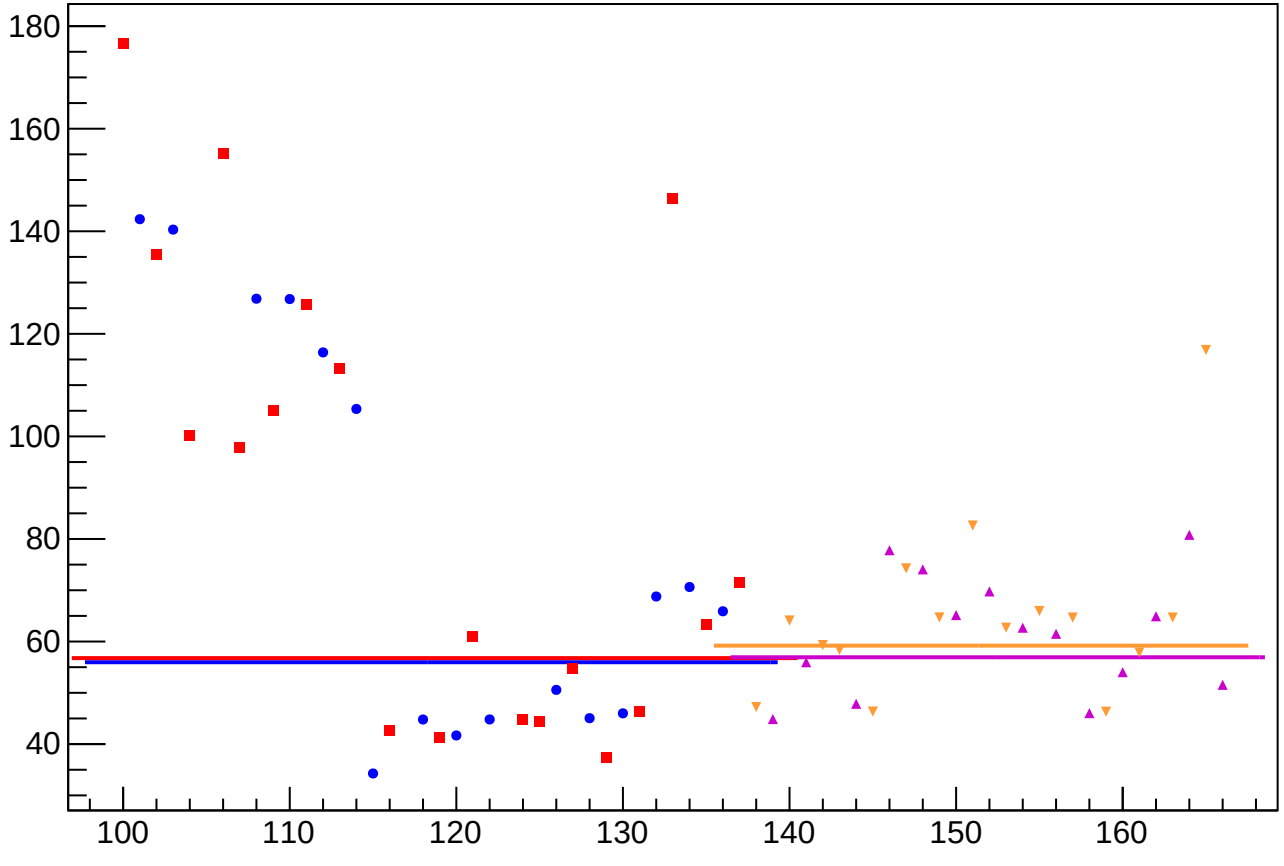
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/63

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.202+/-0.013 χ^2/NDF:890687.4/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.933+/-0.012 χ^2/NDF:712994.4/13

Left: 58.044+/-0.009 χ^2/NDF: 1620259.5/28

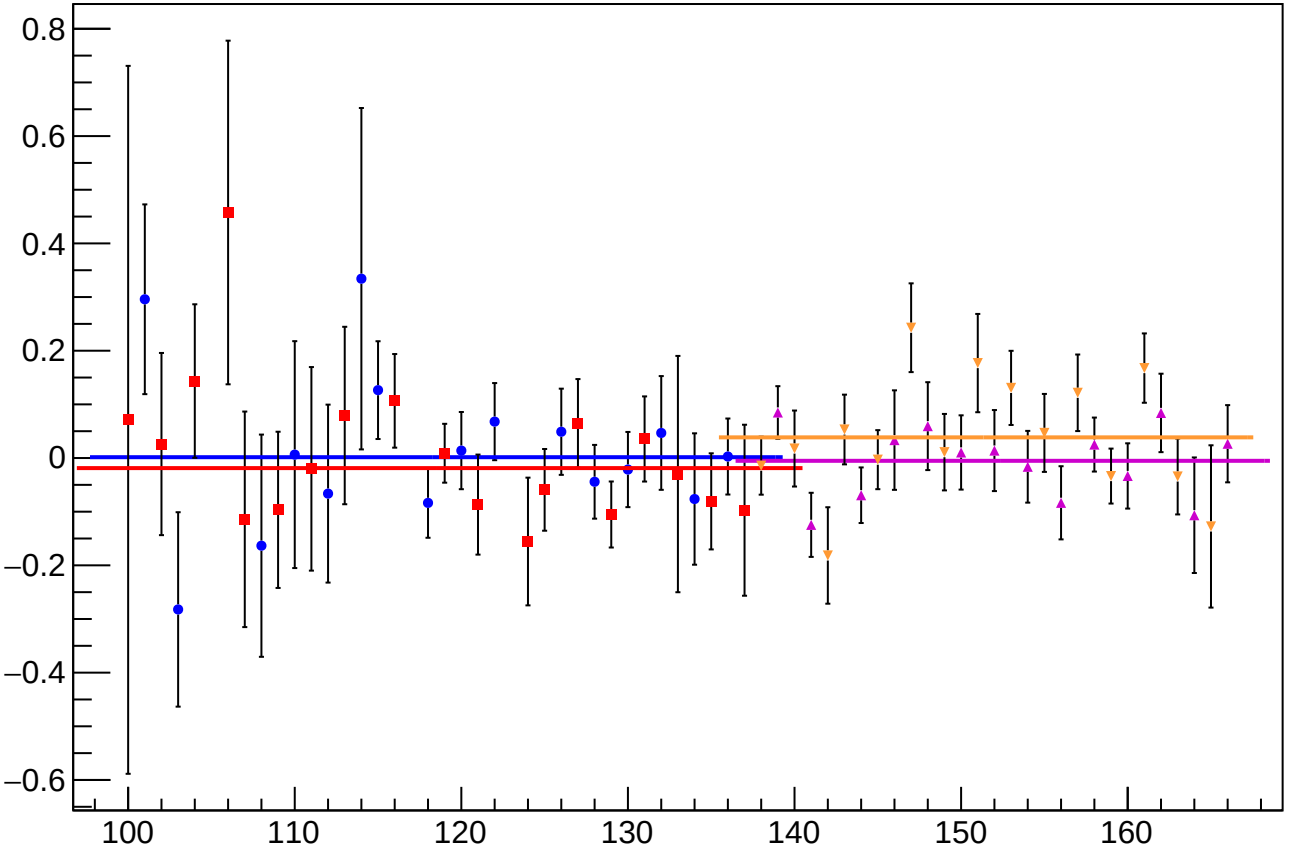
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.589+/-0.010 χ^2/NDF:2894936.7/29

Out: 58.316+/-0.010 χ^2/NDF:3457451.8/33

All: 57.439+/-0.007 χ^2/NDF: 6367409.1/63

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.017 χ^2/NDF:14.3/13

Left: 0.016+/-0.012 χ^2/NDF: 45.0/28

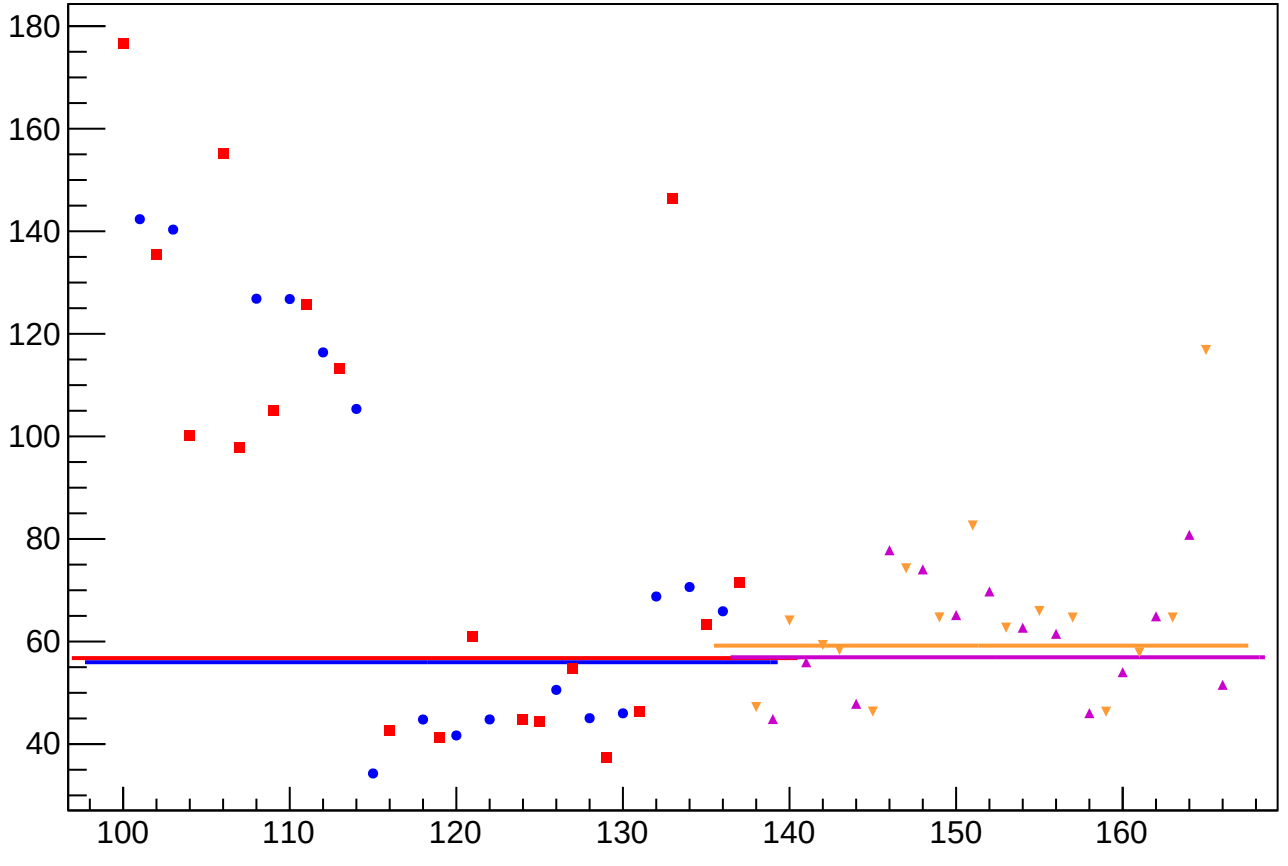
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.014 χ^2/NDF:27.4/29

Out: 0.018+/-0.014 χ^2/NDF:44.5/33

All: 0.007+/-0.010 χ^2/NDF: 72.9/63

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.202+/-0.013 χ^2/NDF:890687.4/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.933+/-0.012 χ^2/NDF:712994.4/13

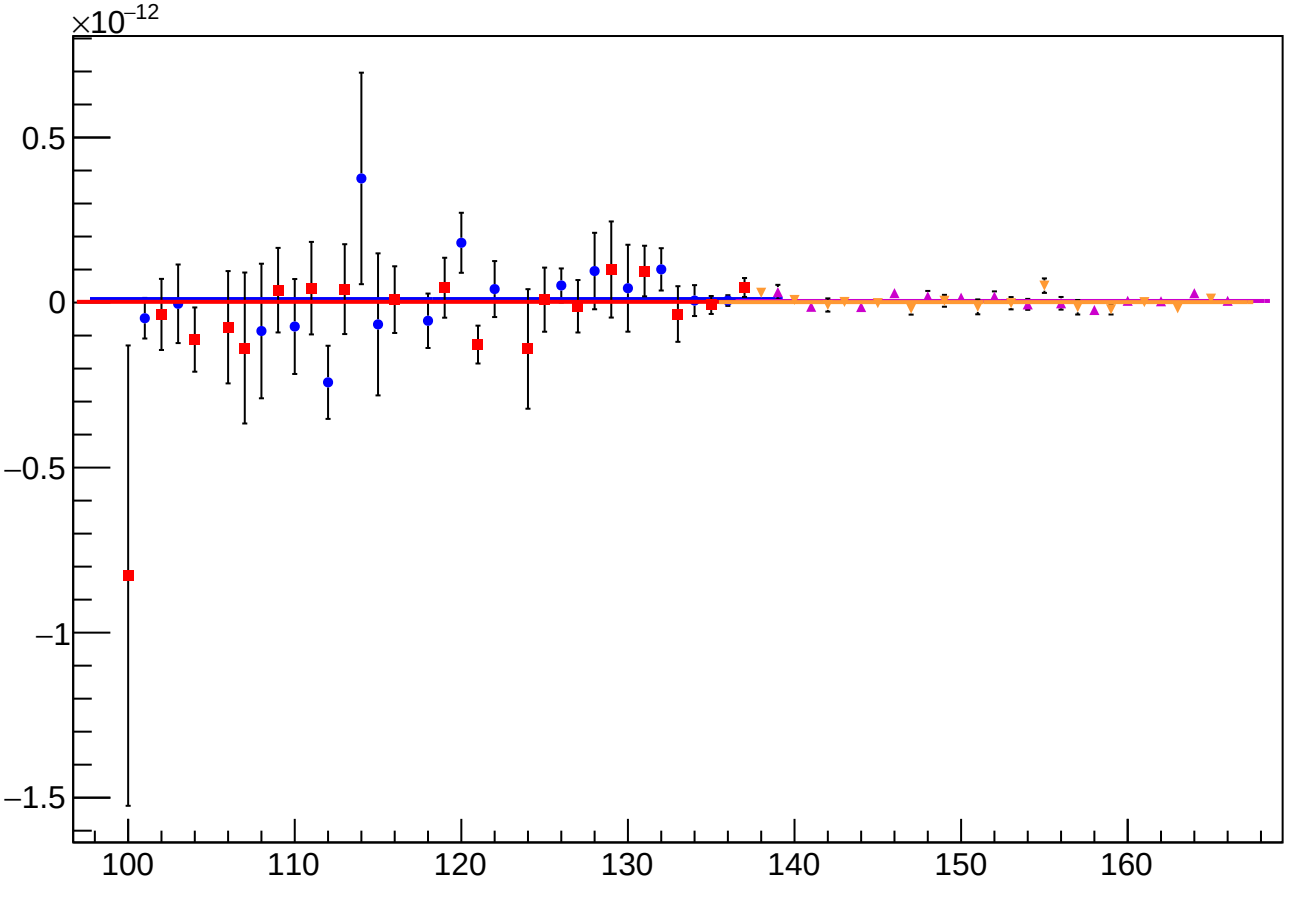
Left: 58.044+/-0.009 χ^2/NDF: 1620259.5/28

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.589+/-0.010 χ^2/NDF:2894936.7/29

Out: 58.316+/-0.010 χ^2/NDF:3457451.8/33

All: 57.439+/-0.007 χ^2/NDF: 6367409.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.3/13

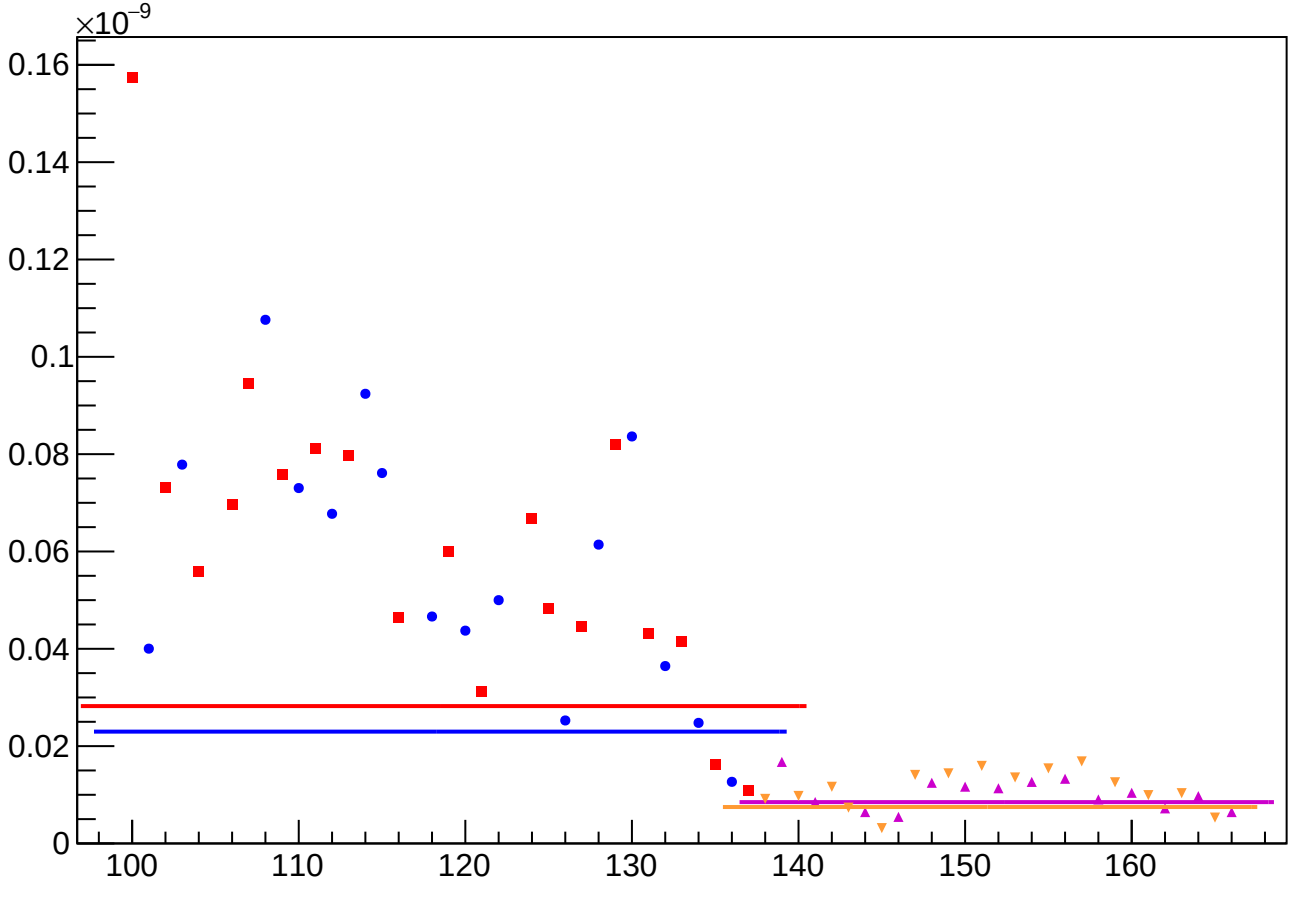
Left: 0.000+/-0.000 χ^2/NDF: 46.0/28

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:43.1/29

Out: 0.000+/-0.000 χ^2/NDF:32.4/33

All: 0.000+/-0.000 χ^2/NDF: 76.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3811969.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1359992.2/13

Left: 0.000+/-0.000 χ^2/NDF: 5273259.5/28

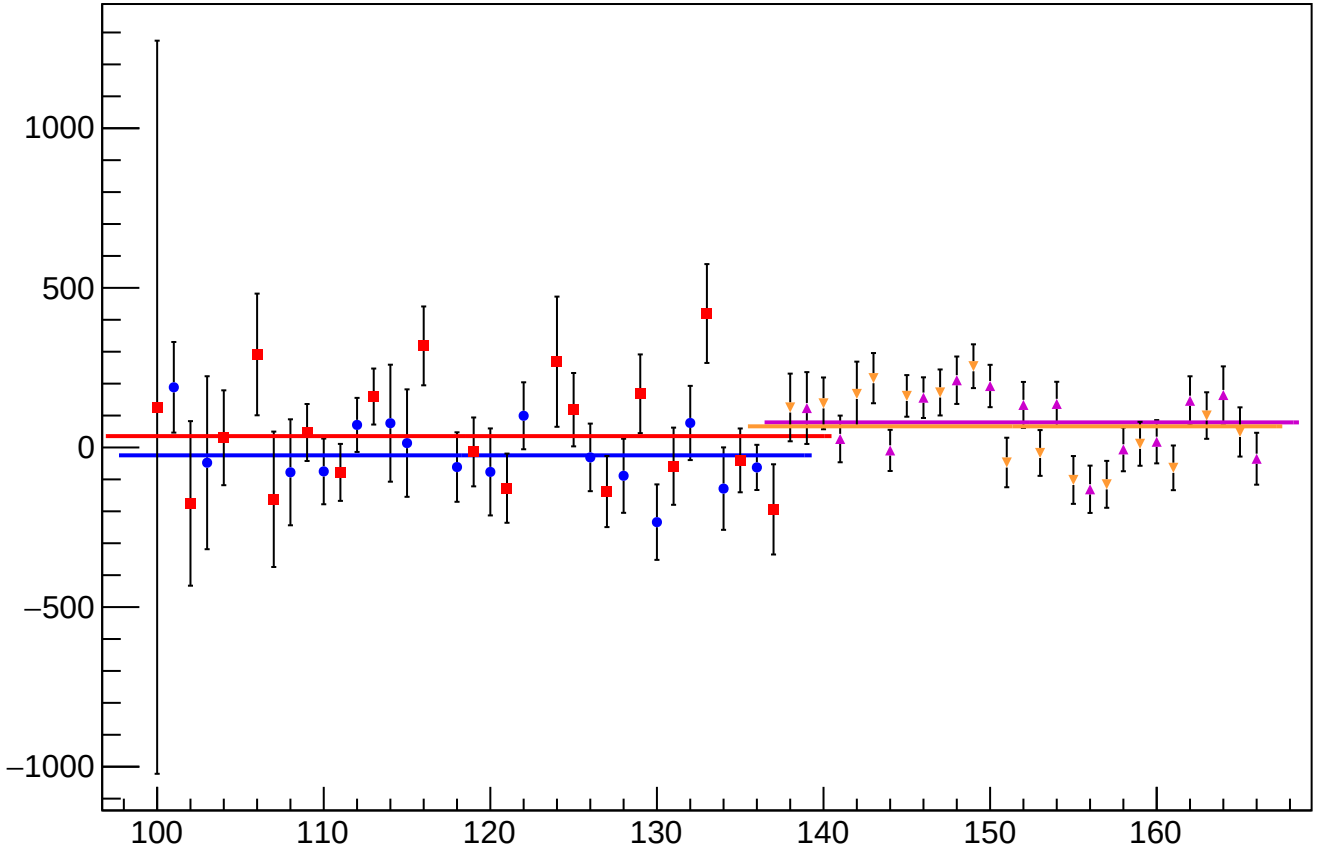
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7440256.3/29

Out: 0.000+/-0.000 χ^2/NDF:11078942.2/33

All: 0.000+/-0.000 χ^2/NDF: 18645675.3/63

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.241+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 78.572+/-19.532 χ^2/NDF:25.4/13

Left: 72.388+/-13.791 χ^2/NDF: 62.2/28

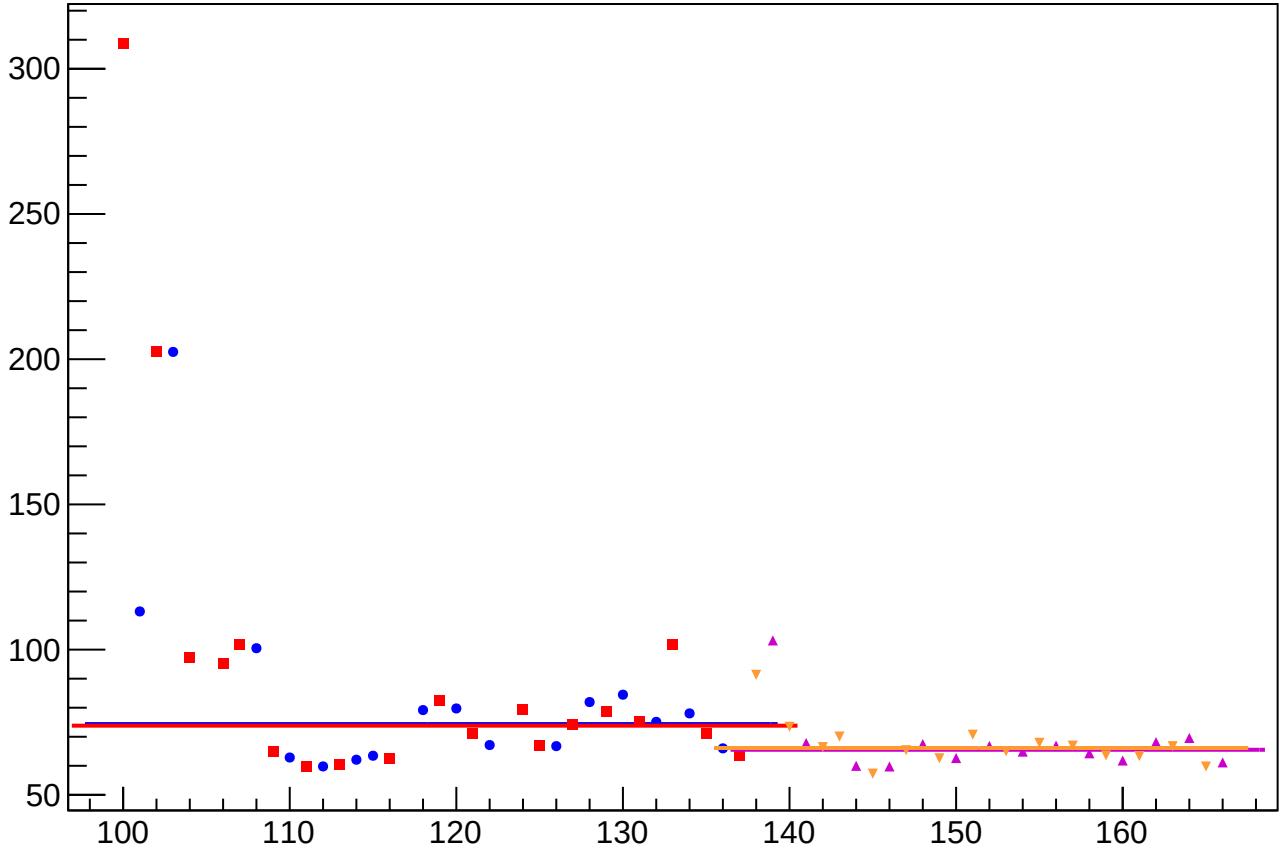
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 46.231+/-16.185 χ^2/NDF:45.1/29

Out: 56.461+/-16.071 χ^2/NDF:67.5/33

All: 51.382+/-11.404 χ^2/NDF: 112.8/63

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

Left: 65.823+/-0.010 χ^2/NDF: 488421.1/28

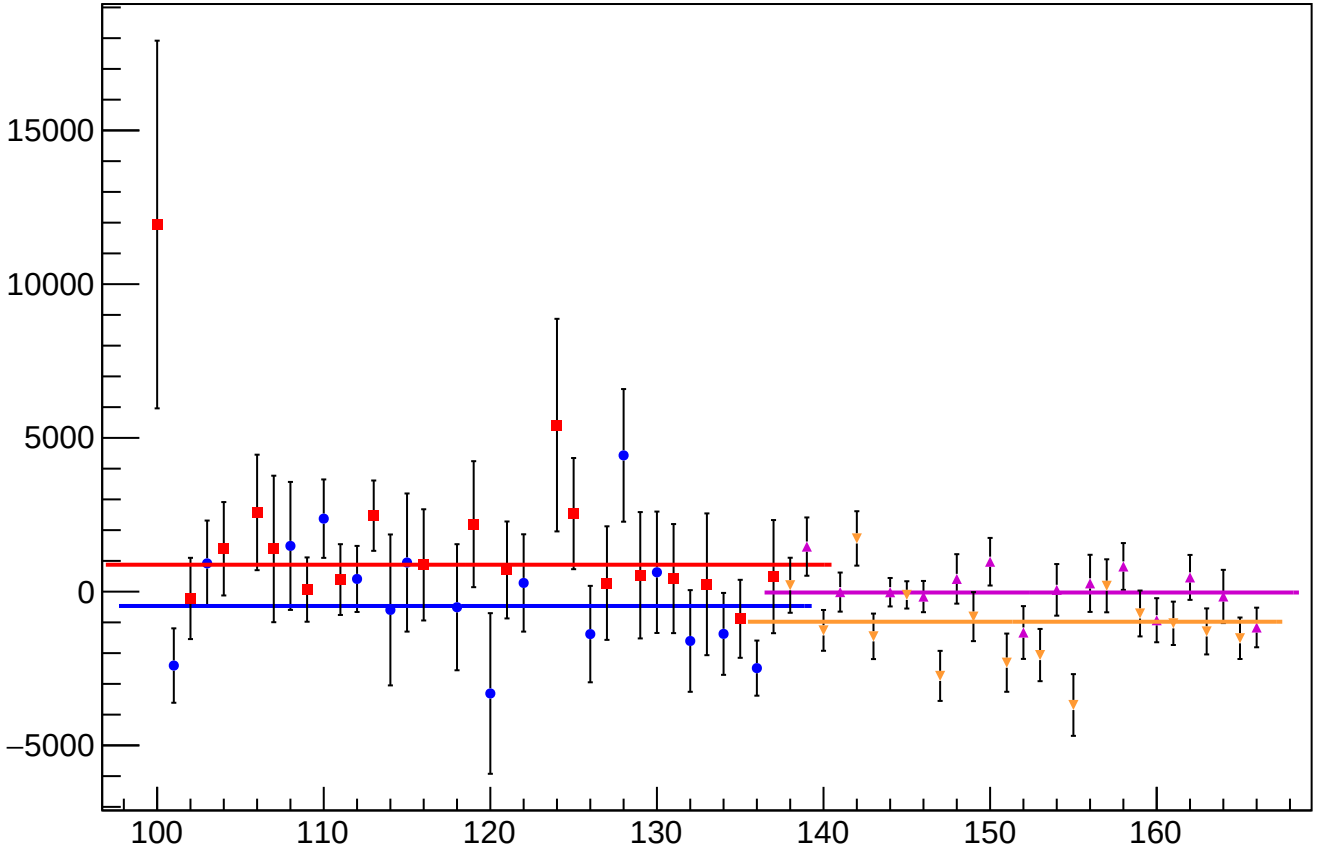
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.292+/-0.011 χ^2/NDF:1238523.9/29

Out: 68.579+/-0.011 χ^2/NDF:1236596.0/33

All: 68.436+/-0.008 χ^2/NDF: 2475435.8/63

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -978.808+/-190.997 χ^2/NDF:34.0/14

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: -28.404+/-187.092 χ^2/NDF:13.3/13

Left: -493.792+/-133.653 χ^2/NDF: 60.0/28

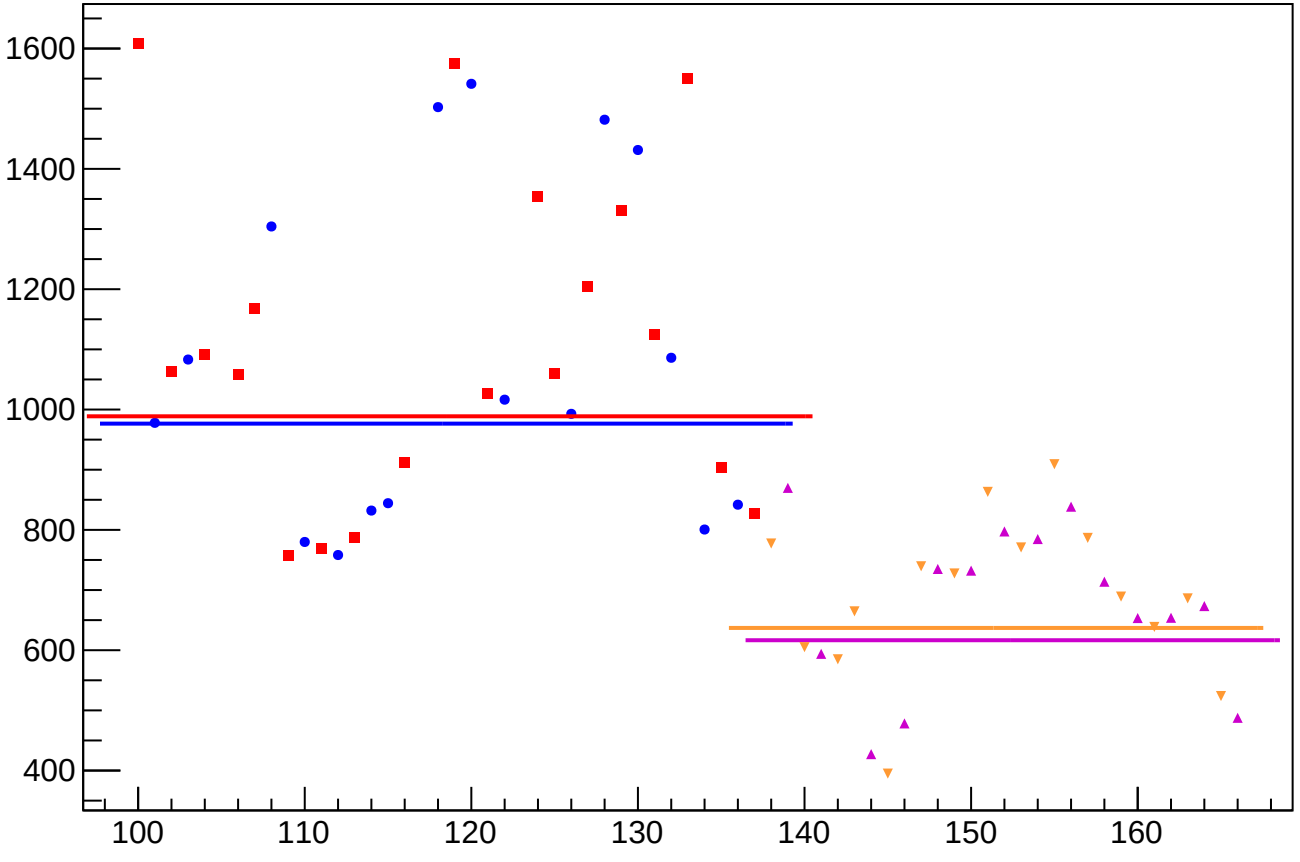
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -115.712+/-167.416 χ^2/NDF:38.1/29

Out: -592.388+/-169.933 χ^2/NDF:66.7/33

All: -350.494+/-119.261 χ^2/NDF: 108.8/63

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.9/14

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 616.586+/-0.132 χ^2/NDF:1130766.7/13

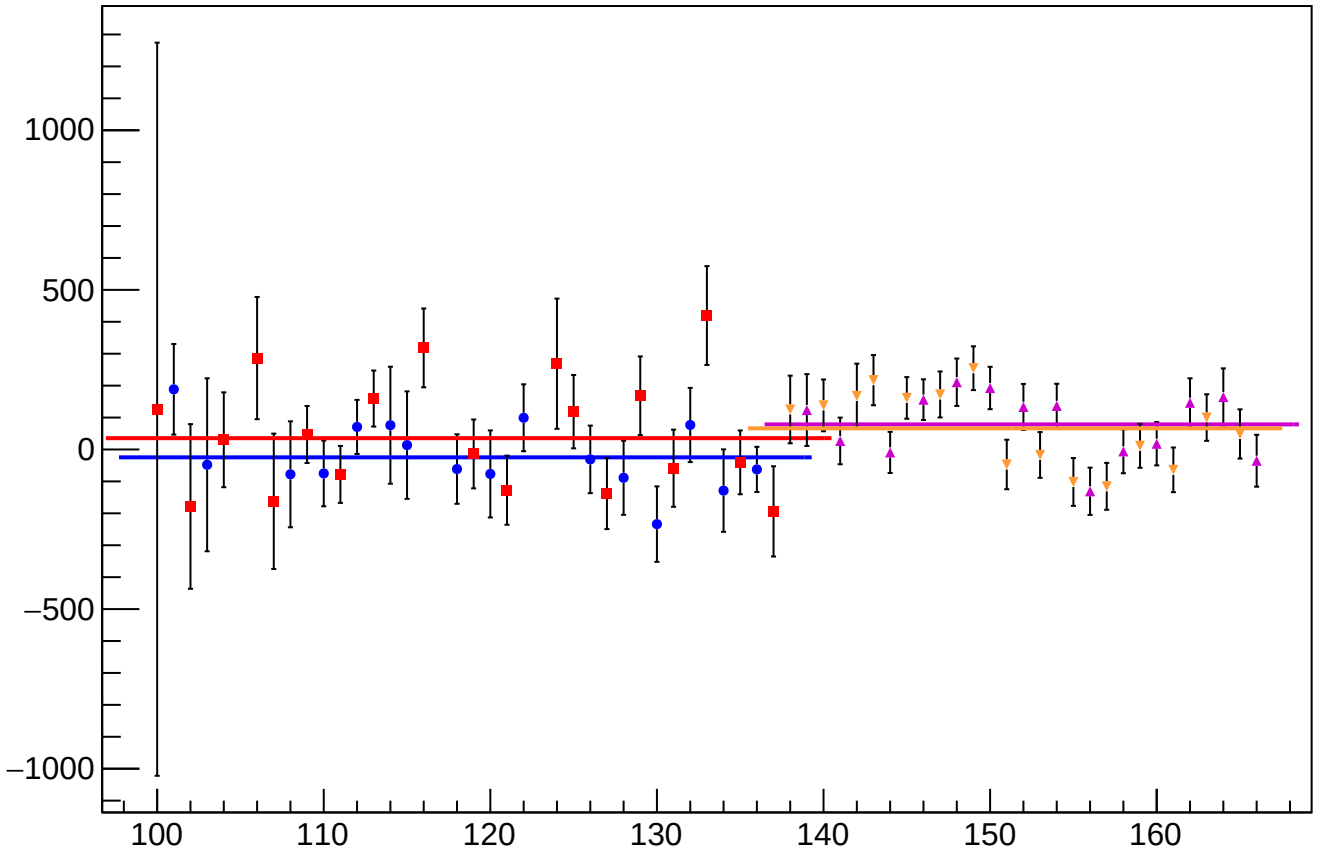
Left: 626.597+/-0.095 χ^2/NDF: 2303967.1/28

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 688.326+/-0.118 χ^2/NDF:3342993.1/29

Out: 710.334+/-0.120 χ^2/NDF:3290773.4/33

All: 699.166+/-0.084 χ^2/NDF: 6650789.1/63



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.573+/-19.532 χ^2/NDF:25.4/13

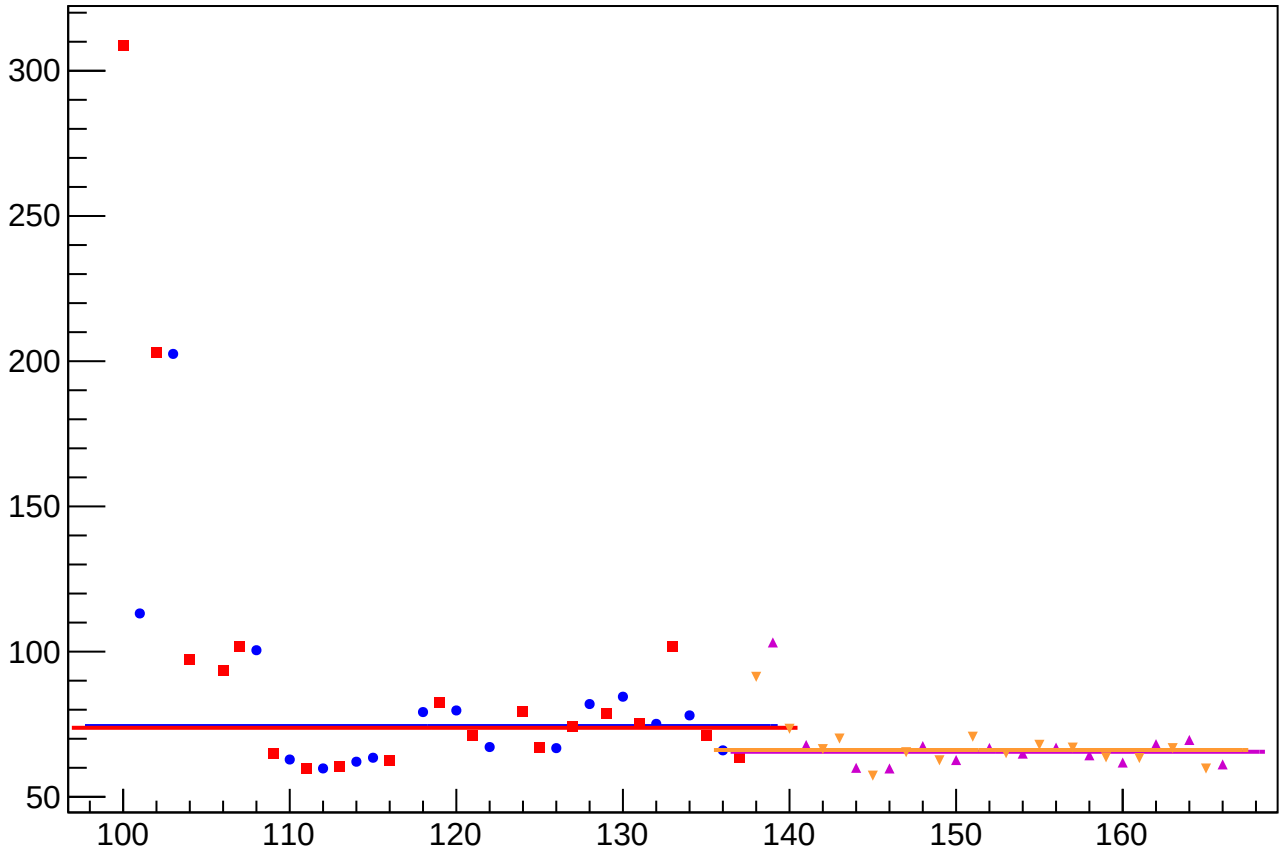
Left: 72.391+/-13.791 χ^2/NDF: 62.2/28

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 46.229+/-16.185 χ^2/NDF:45.1/29

Out: 56.402+/-16.071 χ^2/NDF:67.4/33

All: 51.351+/-11.404 χ^2/NDF: 112.8/63



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

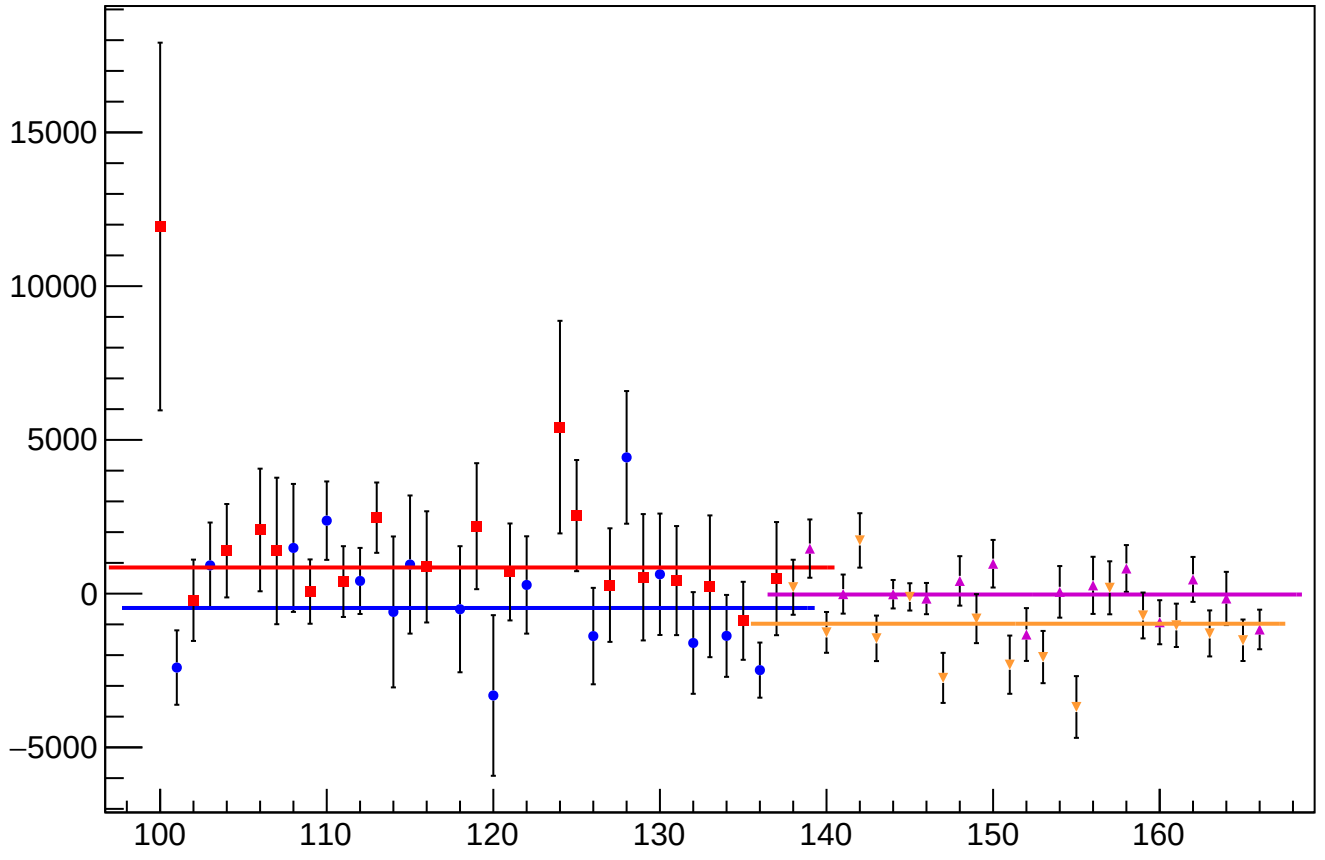
Left: 65.823+/-0.010 χ^2/NDF: 488421.1/28

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.292+/-0.011 χ^2/NDF:1238525.8/29

Out: 68.565+/-0.011 χ^2/NDF:1231717.3/33

All: 68.429+/-0.008 χ^2/NDF: 2470529.6/63



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -978.806+/-190.997 χ^2/NDF:34.0/14

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -28.403+/-187.092 χ^2/NDF:13.3/13

Left: -493.790+/-133.653 χ^2/NDF: 60.0/28

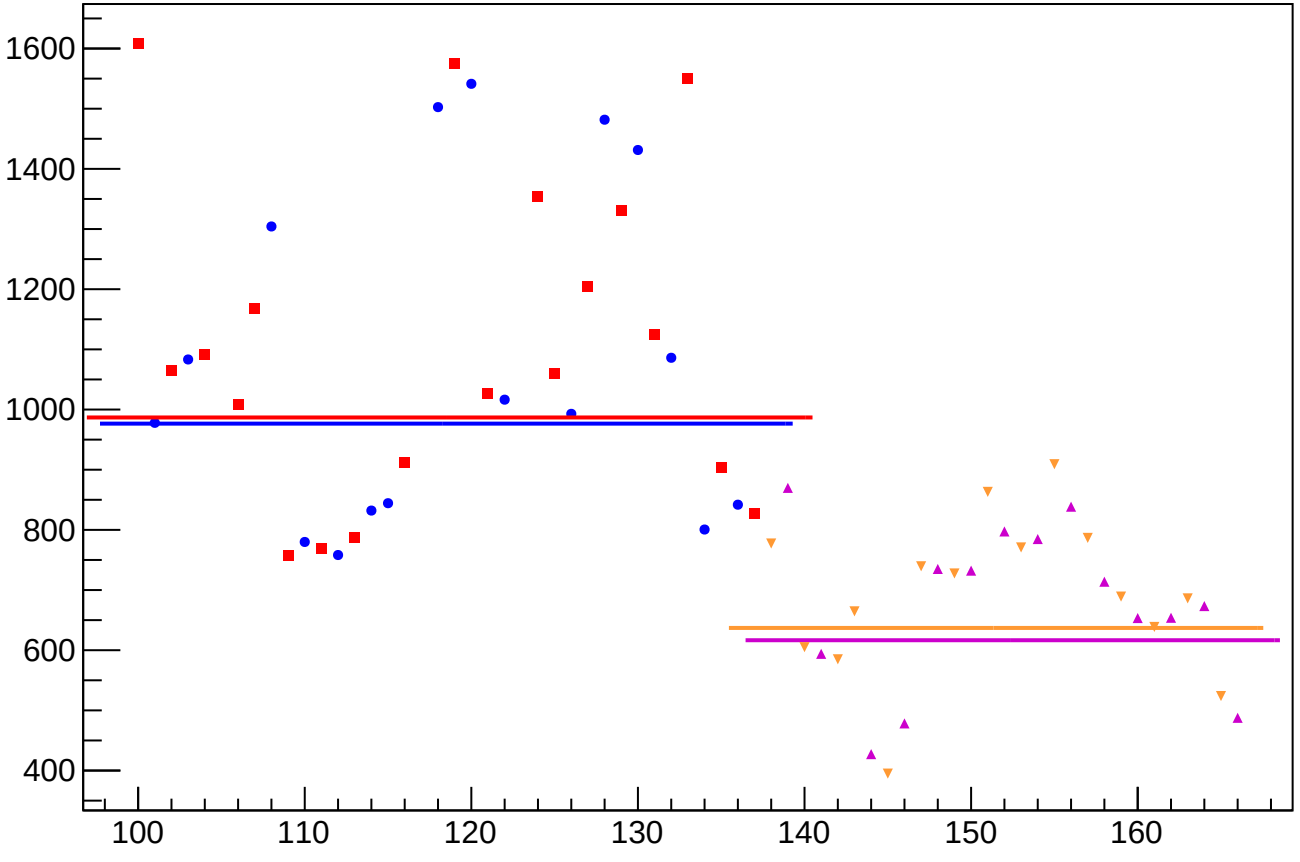
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -115.707+/-167.416 χ^2/NDF:38.1/29

Out: -598.893+/-170.014 χ^2/NDF:65.6/33

All: -353.580+/-119.289 χ^2/NDF: 107.9/63

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 616.586+/-0.132 χ^2/NDF:1130767.4/13

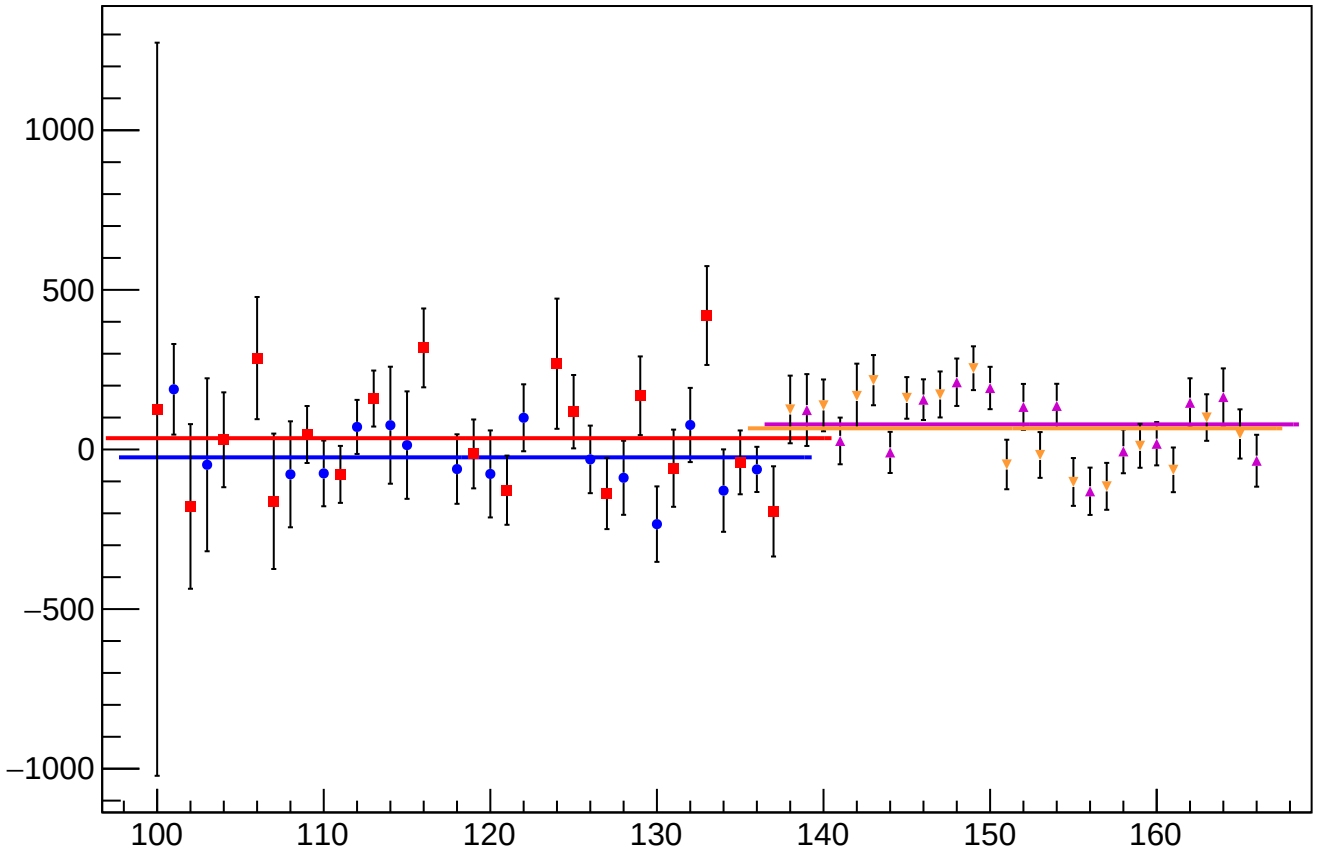
Left: 626.597+/-0.095 χ^2/NDF: 2303967.5/28

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 688.326+/-0.118 χ^2/NDF:3343049.7/29

Out: 709.665+/-0.120 χ^2/NDF:3267777.1/33

All: 698.832+/-0.084 χ^2/NDF: 6626823.0/63



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.573+/-19.532 χ^2/NDF:25.4/13

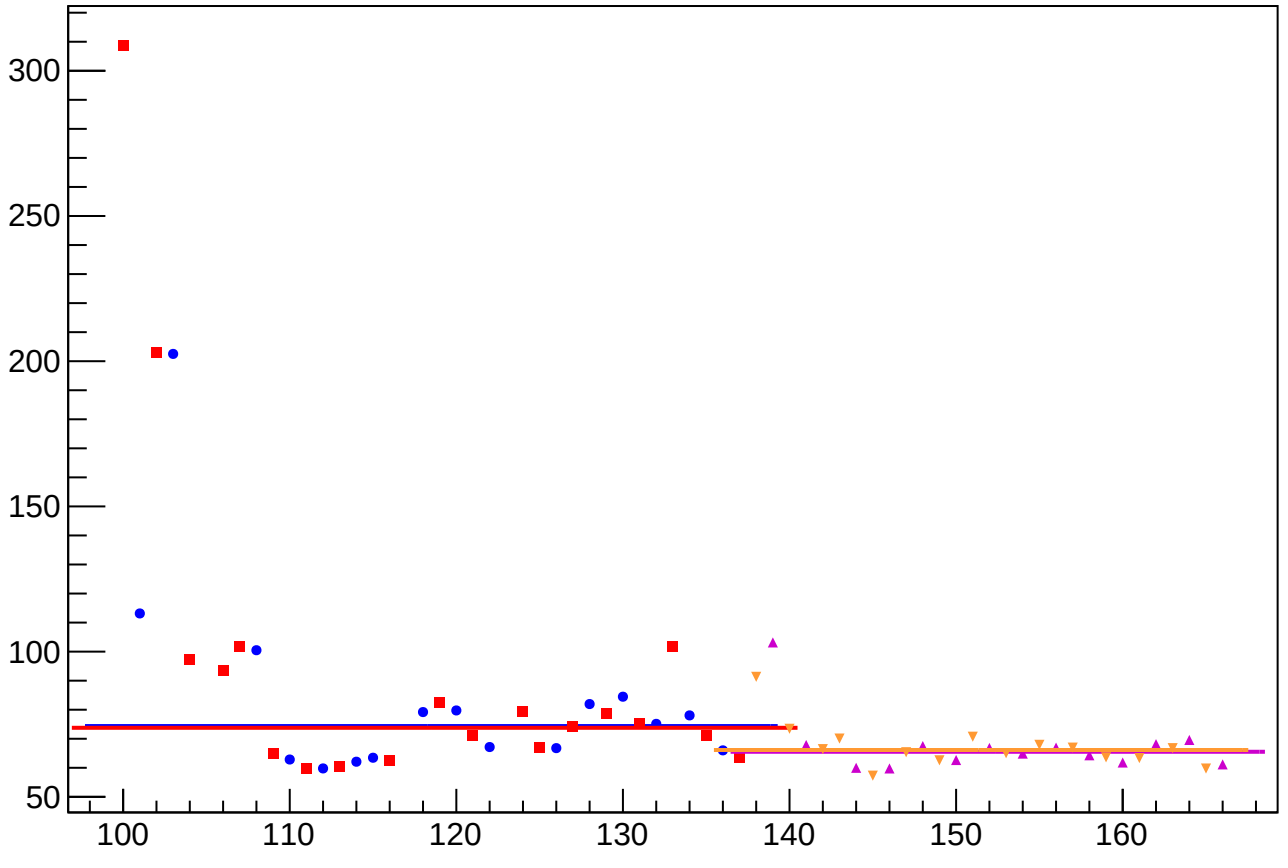
Left: 72.391+/-13.791 χ^2/NDF: 62.2/28

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 46.229+/-16.185 χ^2/NDF:45.1/29

Out: 56.402+/-16.071 χ^2/NDF:67.4/33

All: 51.351+/-11.404 χ^2/NDF: 112.8/63



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.518+/-0.014 χ^2/NDF:282259.7/13

Left: 65.823+/-0.010 χ^2/NDF: 488421.1/28

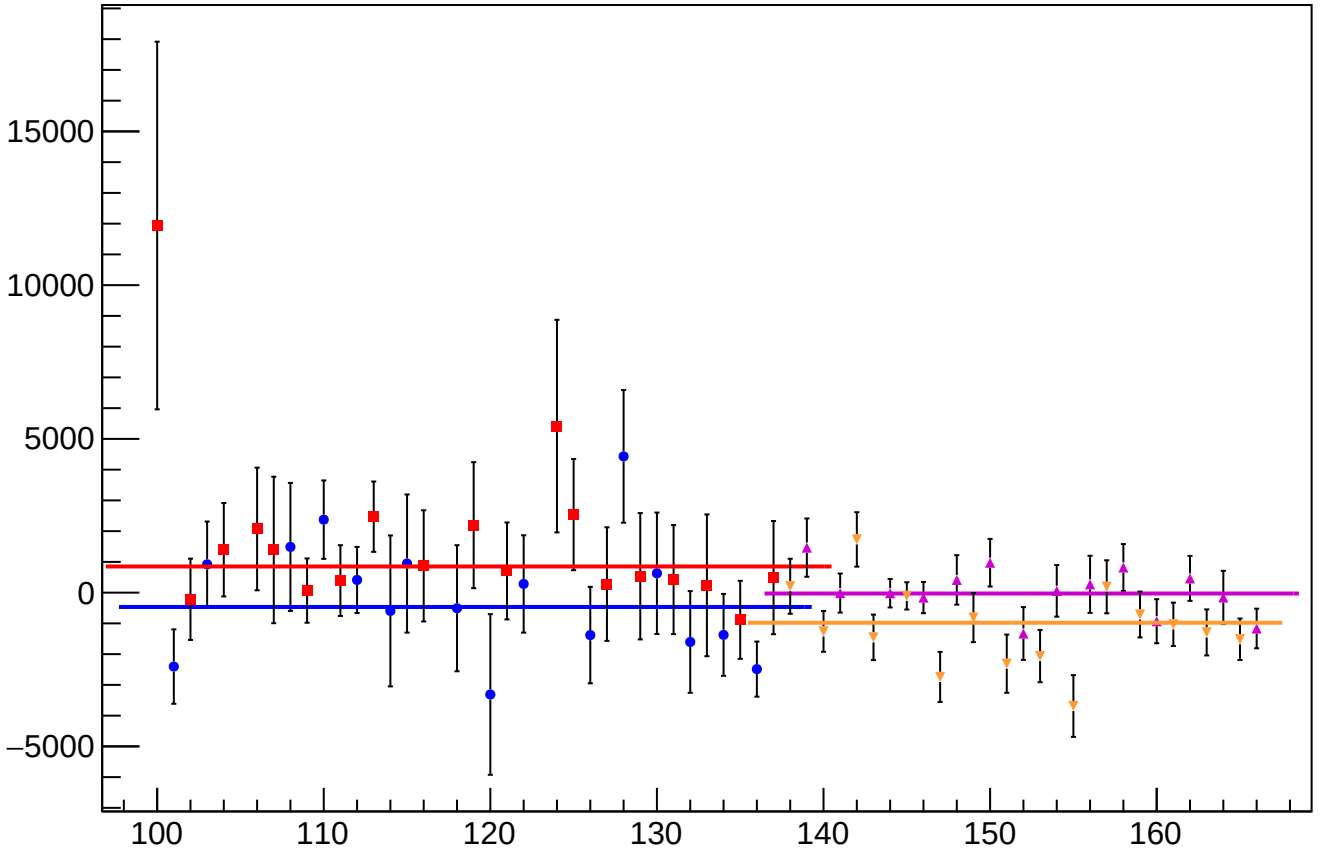
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.292+/-0.011 χ^2/NDF:1238525.8/29

Out: 68.565+/-0.011 χ^2/NDF:1231717.3/33

All: 68.429+/-0.008 χ^2/NDF: 2470529.6/63

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -978.806+/-190.997 χ^2/NDF:34.0/14

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -28.403+/-187.092 χ^2/NDF:13.3/13

Left: -493.790+/-133.653 χ^2/NDF: 60.0/28

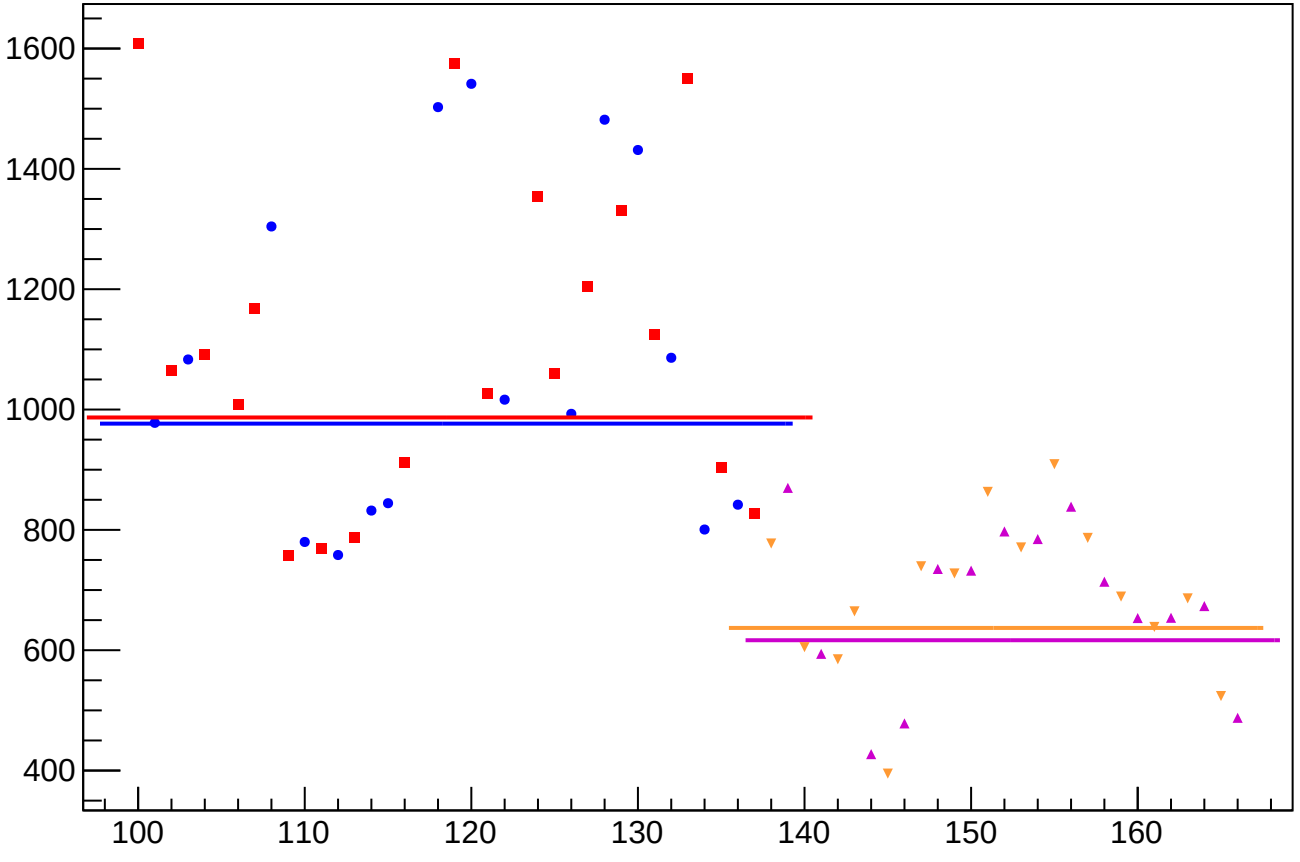
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -115.707+/-167.416 χ^2/NDF:38.1/29

Out: -598.893+/-170.014 χ^2/NDF:65.6/33

All: -353.580+/-119.289 χ^2/NDF: 107.9/63

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 616.586+/-0.132 χ^2/NDF:1130767.4/13

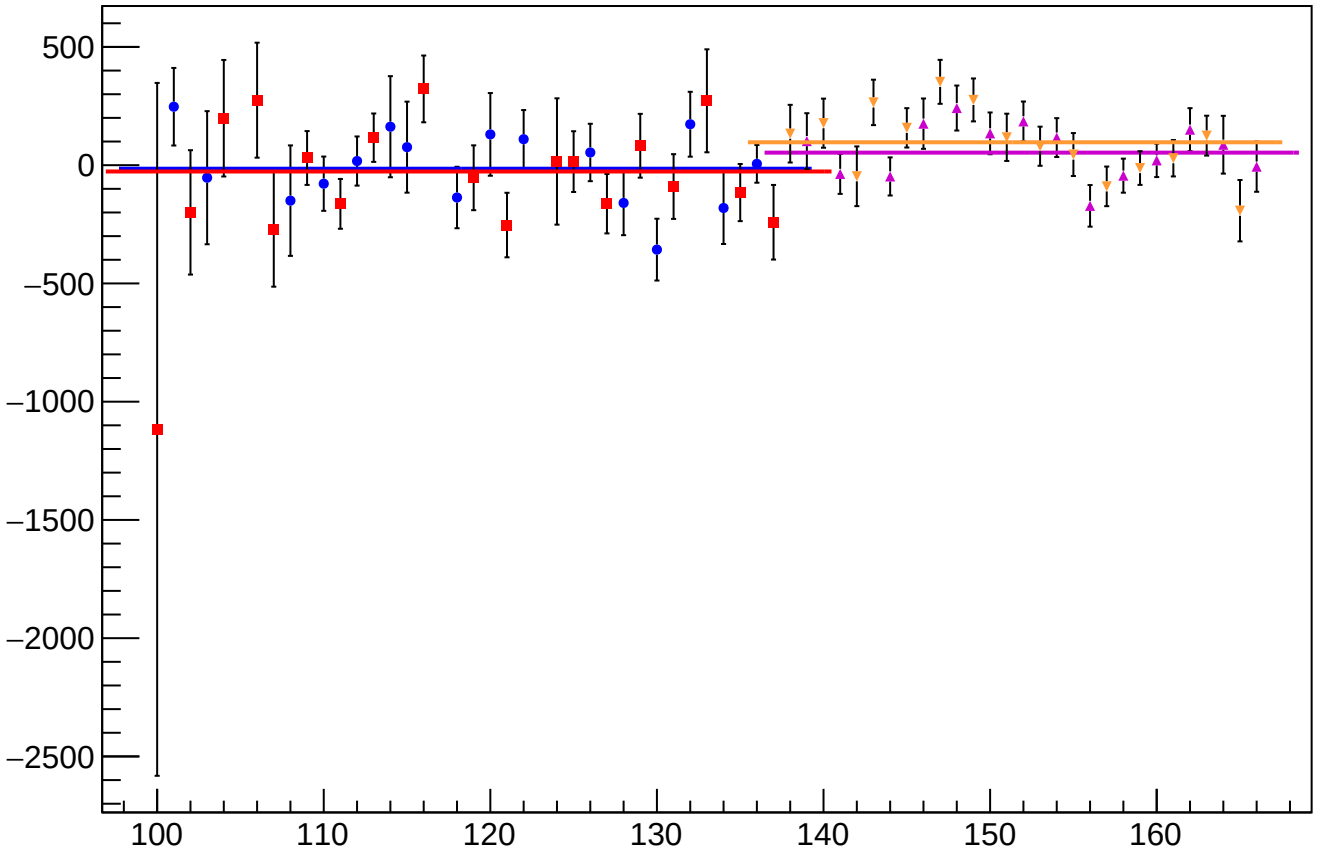
Left: 626.597+/-0.095 χ^2/NDF: 2303967.5/28

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 688.326+/-0.118 χ^2/NDF:3343049.7/29

Out: 709.665+/-0.120 χ^2/NDF:3267777.1/33

All: 698.832+/-0.084 χ^2/NDF: 6626823.0/63



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.848+/-23.639 χ^2/NDF:30.6/14

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 53.073+/-23.690 χ^2/NDF:22.2/13

Left: 75.008+/-16.734 χ^2/NDF: 54.5/28

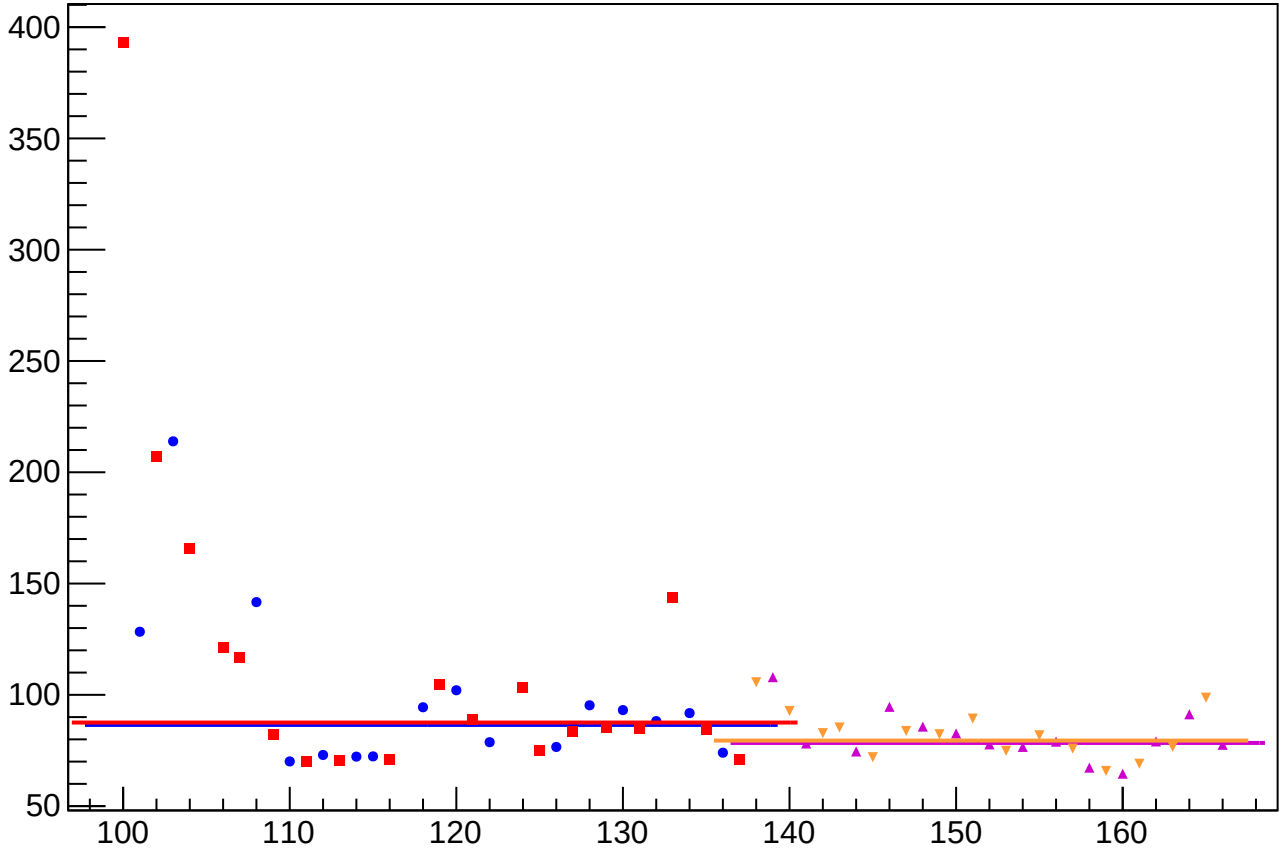
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 30.629+/-19.392 χ^2/NDF:43.1/29

Out: 56.718+/-19.423 χ^2/NDF:63.1/33

All: 43.653+/-13.723 χ^2/NDF: 107.2/63

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 79.448+/-0.017 χ^2/NDF:343637.7/14

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.388+/-0.017 χ^2/NDF:340713.4/13

Left: 78.919+/-0.012 χ^2/NDF: 686355.7/28

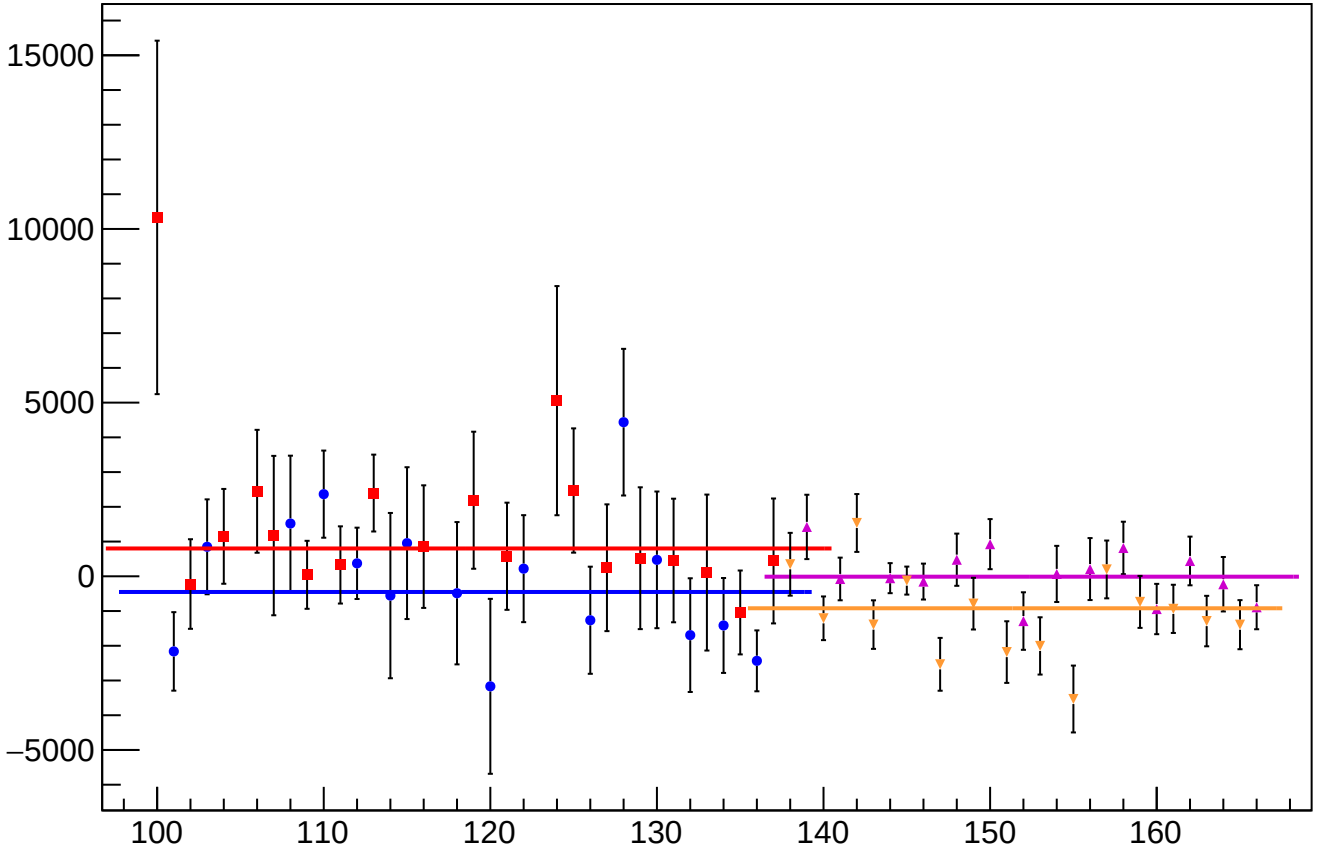
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.061+/-0.014 χ^2/NDF:1274132.0/29

Out: 82.082+/-0.014 χ^2/NDF:1549864.8/33

All: 81.571+/-0.010 χ^2/NDF: 2826764.3/63

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -920.567+/-182.715 χ^2/NDF:33.4/14

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -11.216+/-180.636 χ^2/NDF:12.3/13

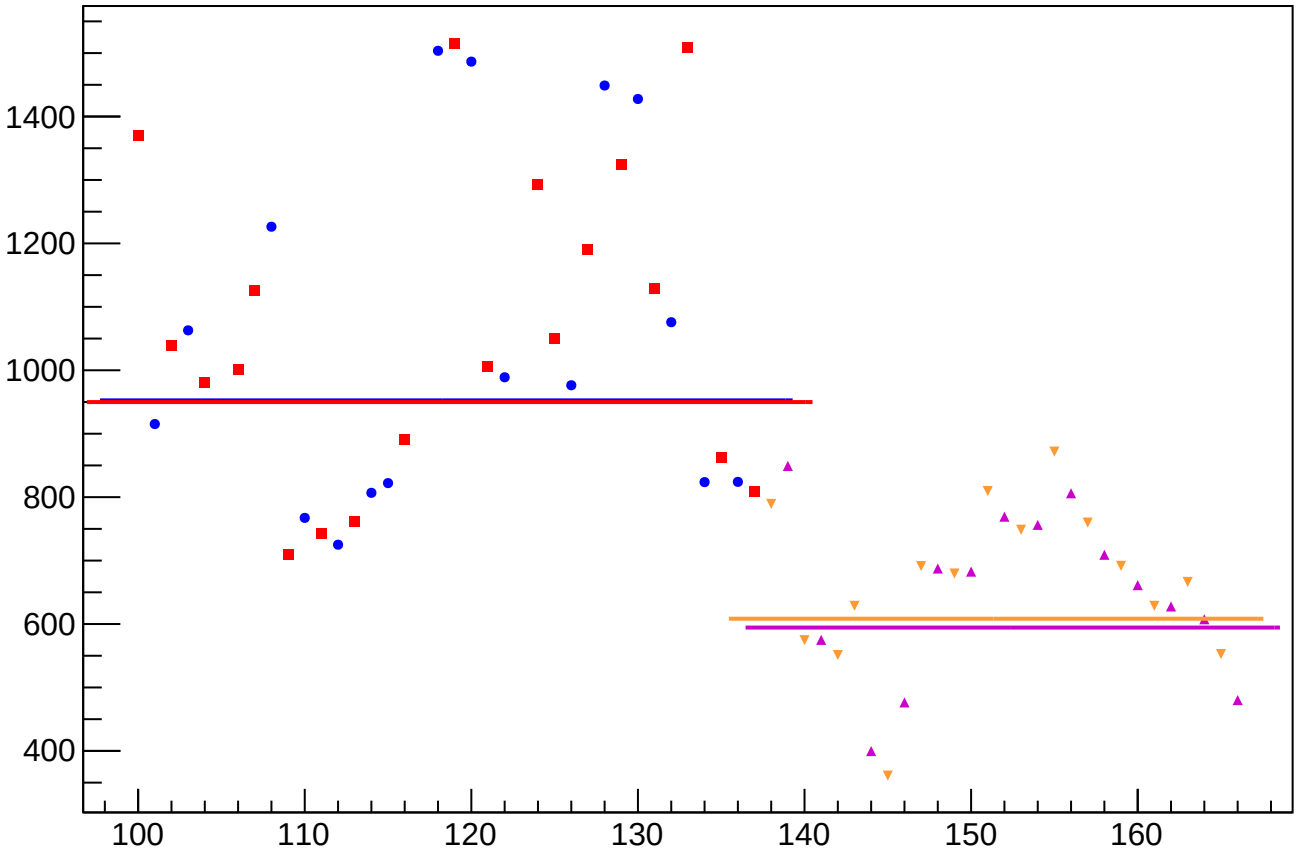
Left: -460.688+/-128.458 χ^2/NDF: 58.3/28

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -97.581+/-161.948 χ^2/NDF:37.2/29

Out: -564.543+/-162.732 χ^2/NDF:65.4/33

All: -329.935+/-114.791 χ^2/NDF: 106.8/63



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 608.377+/-0.129 χ^2/NDF:1320356.6/14

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 594.430+/-0.128 χ^2/NDF:1138434.8/13

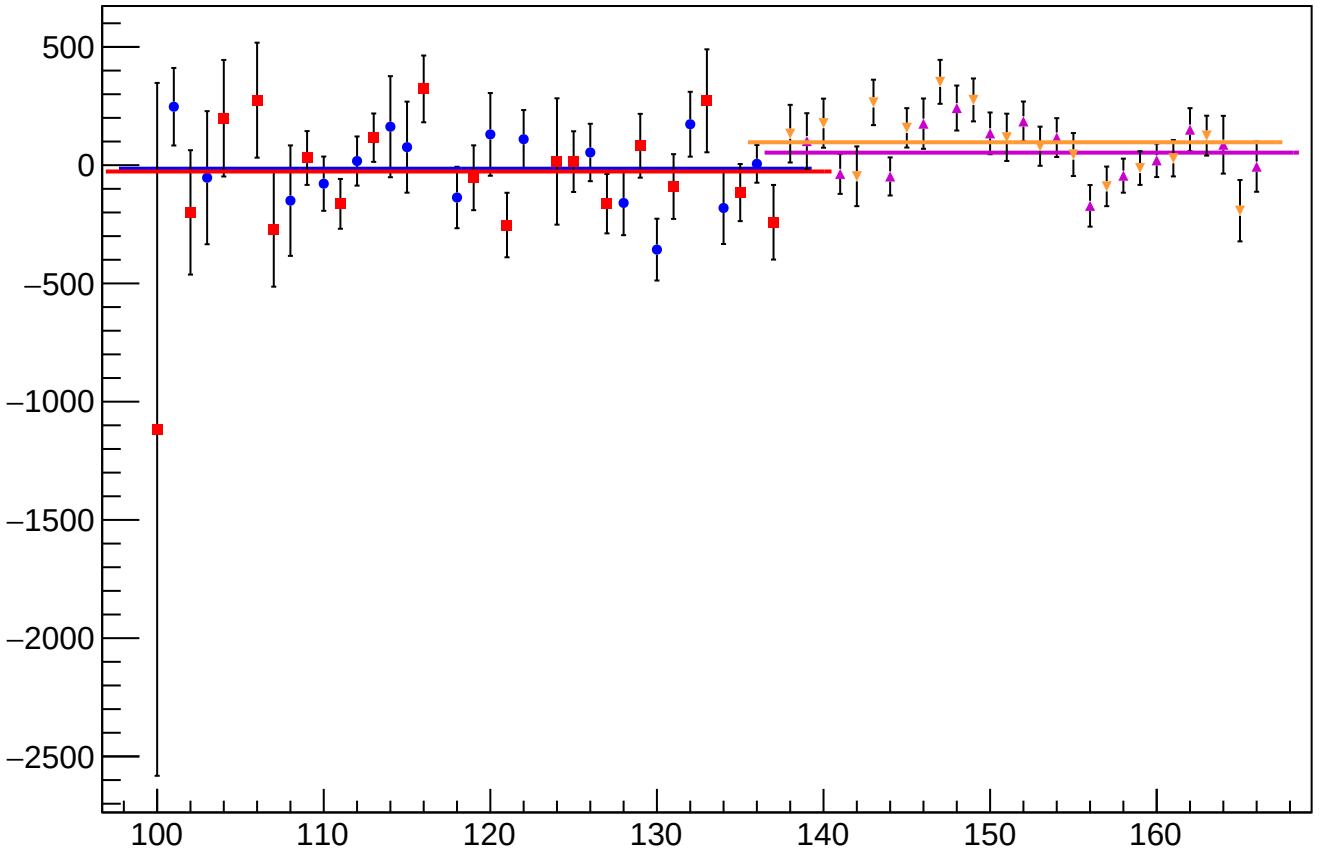
Left: 601.324+/-0.091 χ^2/NDF: 2464684.1/28

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 664.698+/-0.115 χ^2/NDF:3427210.9/29

Out: 678.994+/-0.115 χ^2/NDF:3516818.6/33

All: 671.811+/-0.081 χ^2/NDF: 6951784.8/63



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.850+/-23.639 χ^2/NDF:30.6/14

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 53.072+/-23.690 χ^2/NDF:22.2/13

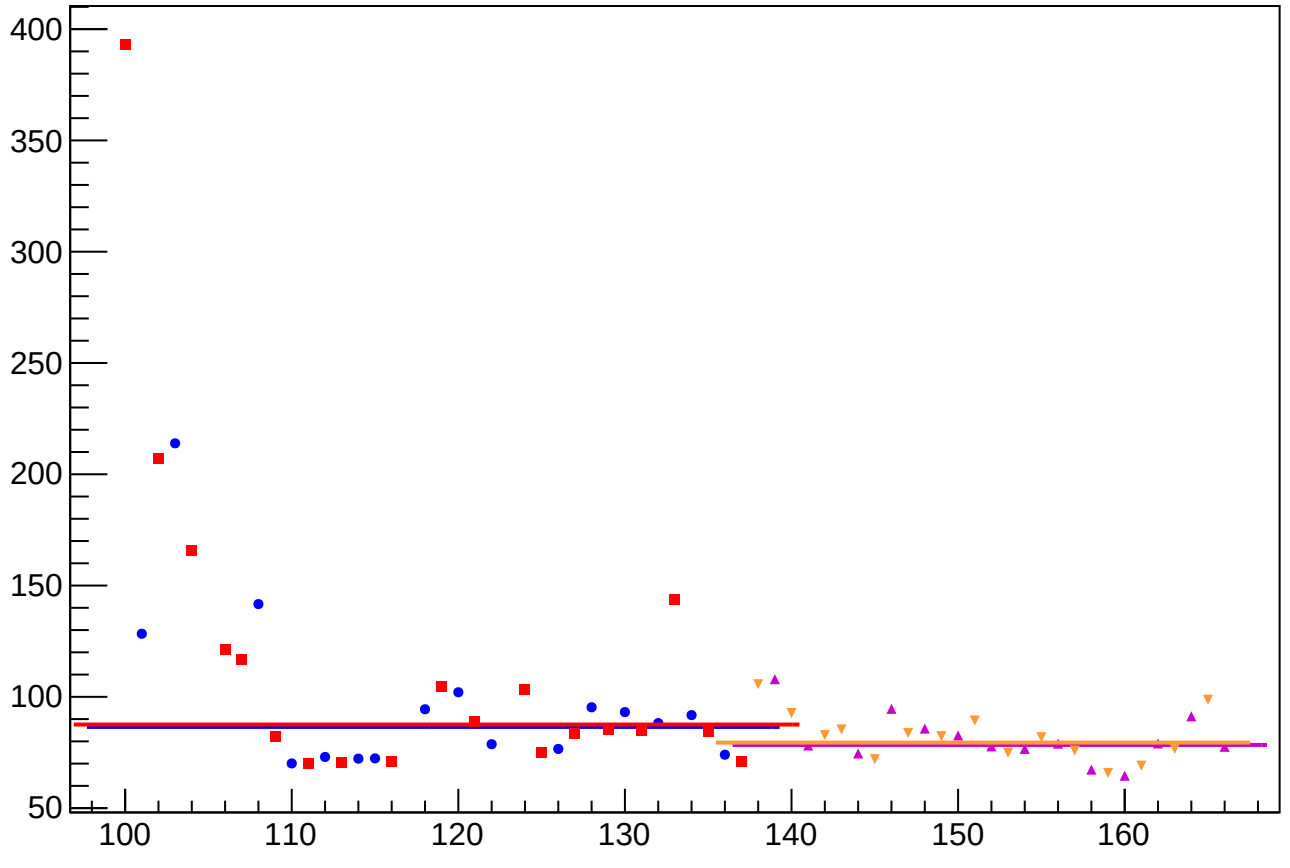
Left: 75.008+/-16.734 χ^2/NDF: 54.5/28

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

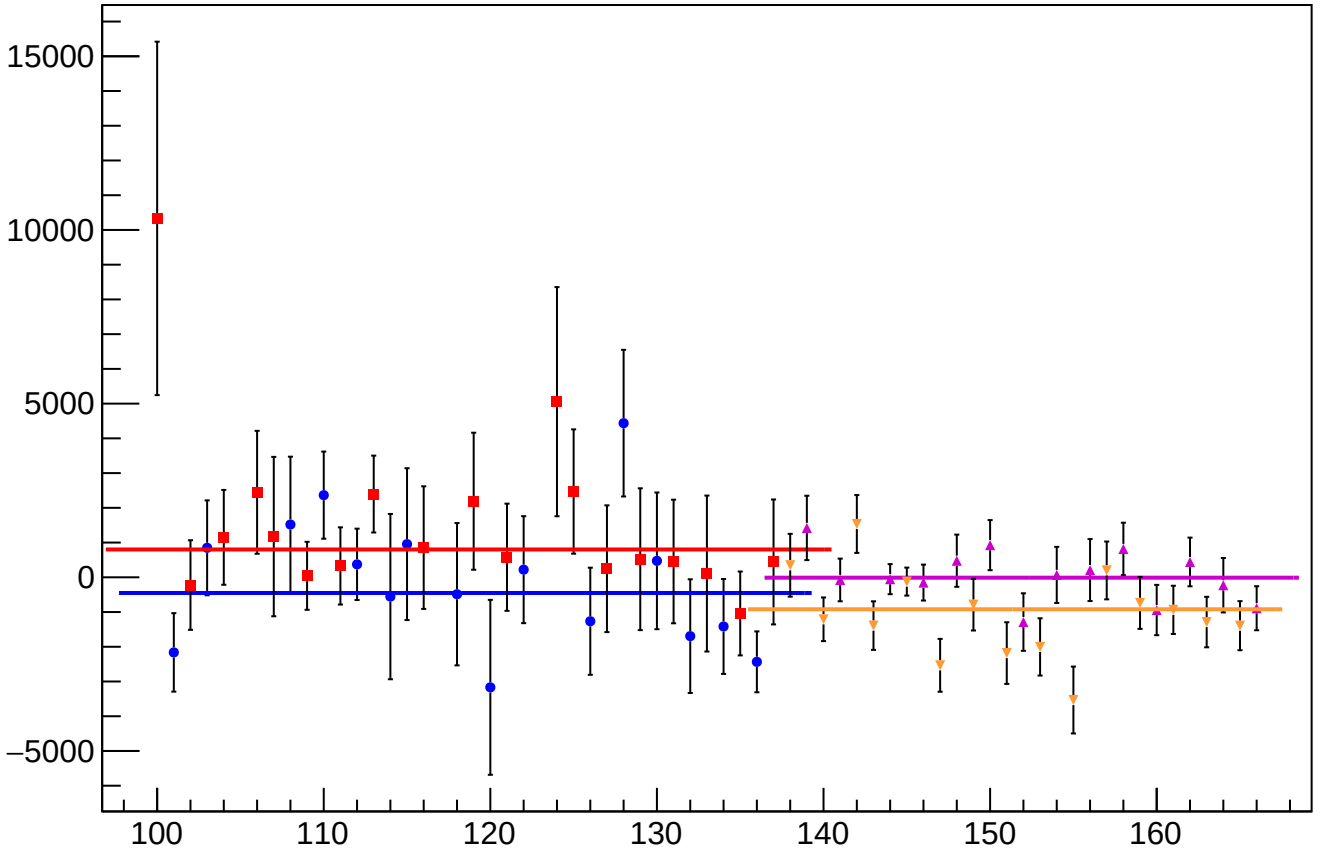
In: 30.628+/-19.392 χ^2/NDF:43.1/29

Out: 56.718+/-19.423 χ^2/NDF:63.1/33

All: 43.653+/-13.723 χ^2/NDF: 107.2/63


eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
Right In: 86.489+/-0.024 χ²/NDF: 856249.6/15
Left Out: 79.448+/-0.017 χ²/NDF:343640.4/14
Right Out: 87.555+/-0.024 χ²/NDF: 1129791.7/18
Left In: 78.388+/-0.017 χ²/NDF:340719.2/13
Left: 78.919+/-0.012 χ²/NDF: 686364.5/28
Right: 87.017+/-0.017 χ²/NDF: 1987028.5/34
In: 81.061+/-0.014 χ²/NDF:1274131.1/29
Out: 82.082+/-0.014 χ²/NDF:1549867.0/33
All: 81.571+/-0.010 χ²/NDF: 2826766.2/63

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -920.566+/-182.715 χ^2/NDF:33.4/14

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -11.217+/-180.636 χ^2/NDF:12.3/13

Left: -460.689+/-128.458 χ^2/NDF: 58.3/28

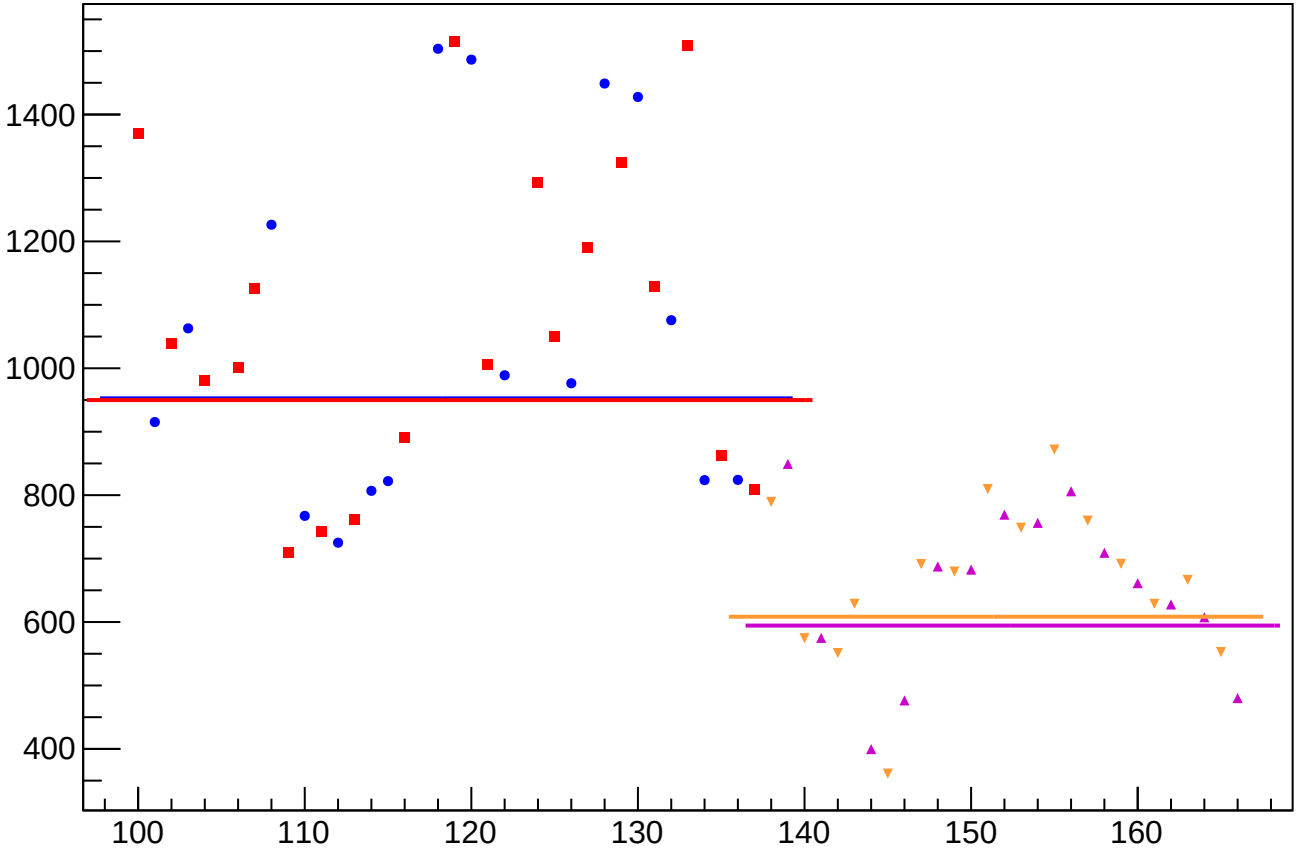
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -97.582+/-161.948 χ^2/NDF:37.2/29

Out: -564.542+/-162.731 χ^2/NDF:65.4/33

All: -329.935+/-114.790 χ^2/NDF: 106.8/63

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 608.376+/-0.129 χ^2/NDF:1320357.5/14

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 594.430+/-0.128 χ^2/NDF:1138433.5/13

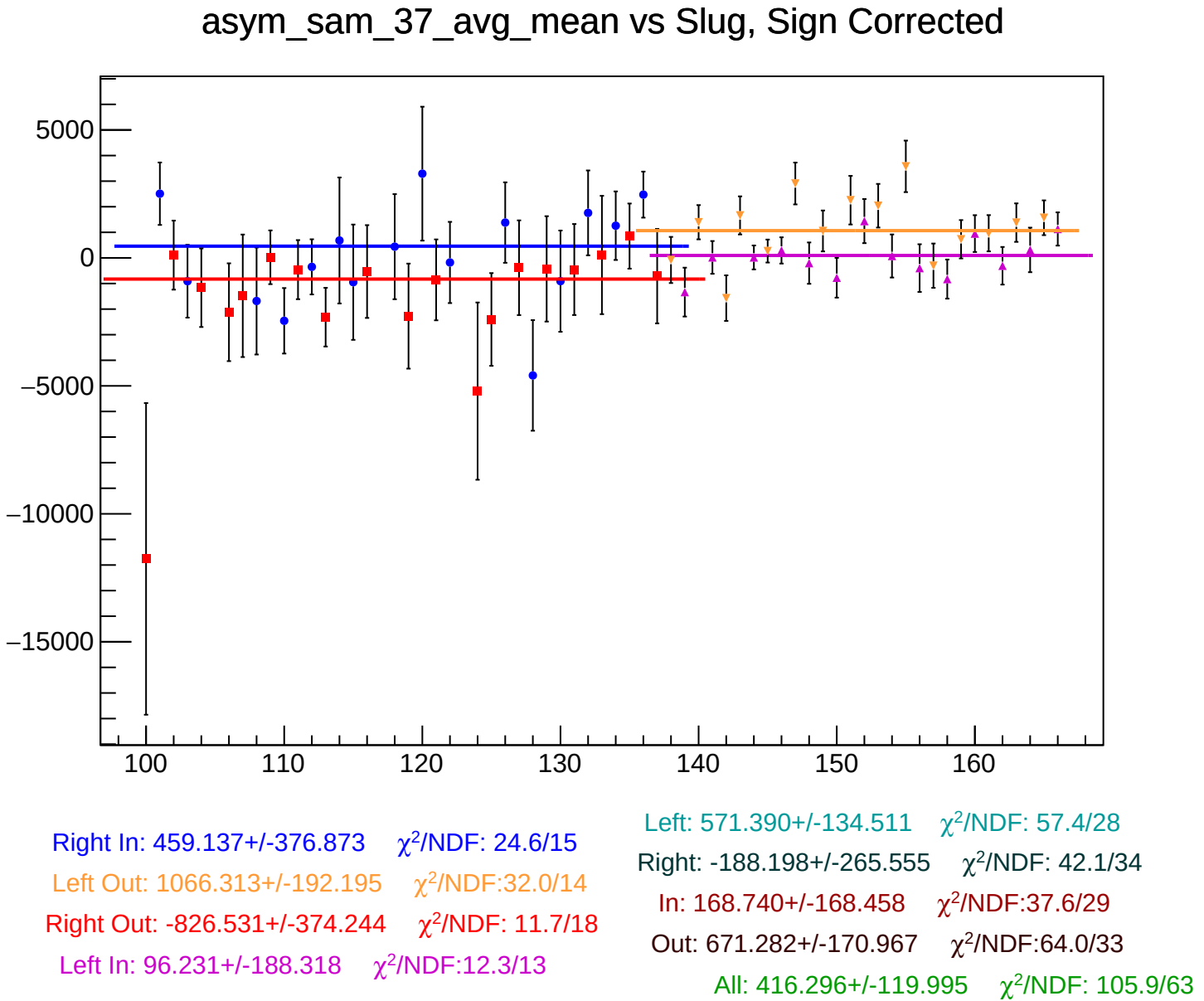
Left: 601.323+/-0.091 χ^2/NDF: 2464683.5/28

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

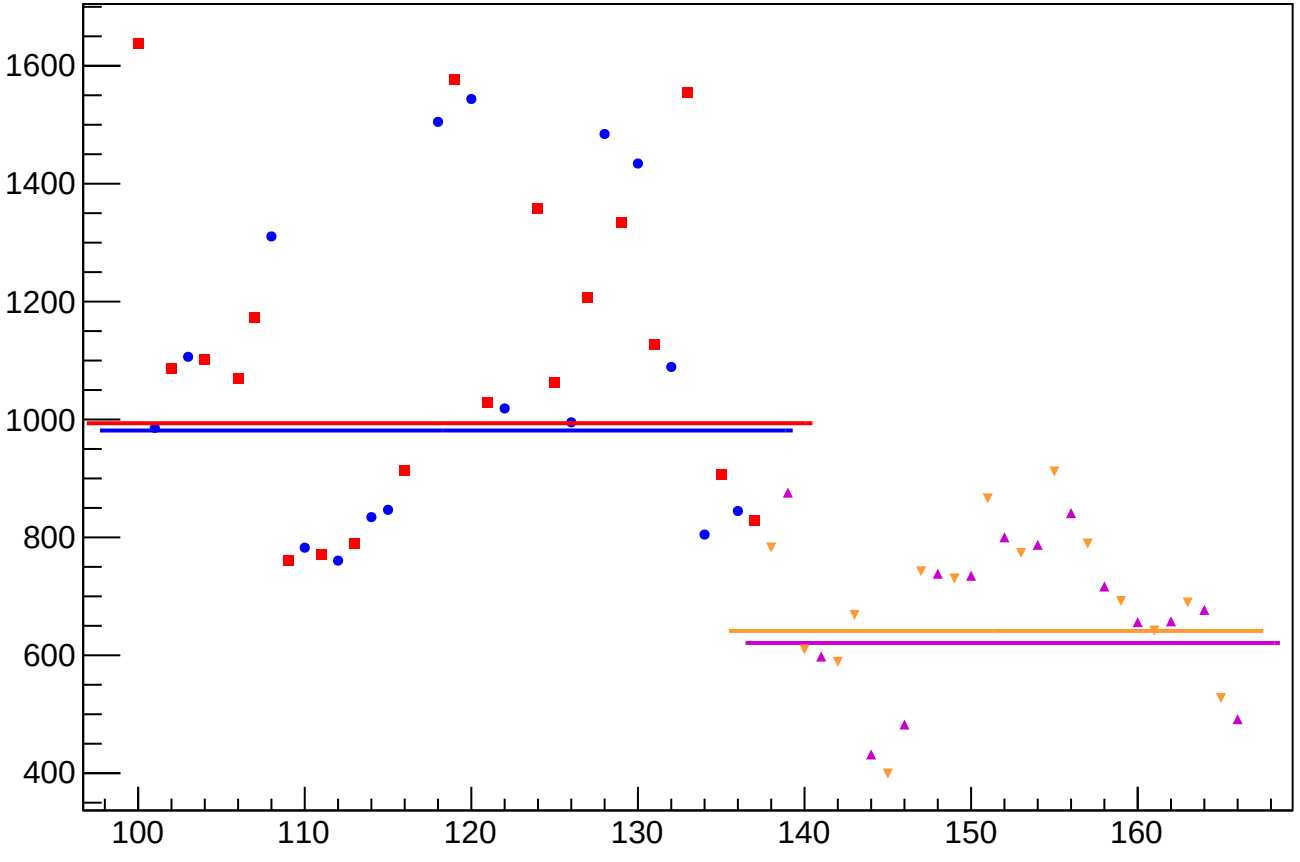
In: 664.697+/-0.115 χ^2/NDF:3427206.7/29

Out: 678.993+/-0.115 χ^2/NDF:3516815.3/33

All: 671.811+/-0.081 χ^2/NDF: 6951777.1/63


asym_sam_37_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 459.137+/-376.873 χ²/NDF: 24.6/15
Left Out: 1066.313+/-192.195 χ²/NDF:32.0/14
Right Out: -826.531+/-374.244 χ²/NDF: 11.7/18
Left In: 96.231+/-188.318 χ²/NDF:12.3/13
Left: 571.390+/-134.511 χ²/NDF: 57.4/28
Right: -188.198+/-265.555 χ²/NDF: 42.1/34
In: 168.740+/-168.458 χ²/NDF:37.6/29
Out: 671.282+/-170.967 χ²/NDF:64.0/33
All: 416.296+/-119.995 χ²/NDF: 105.9/63

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 641.365+/-0.136 χ^2/NDF:1136832.5/14

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 620.954+/-0.133 χ^2/NDF:1108709.3/13

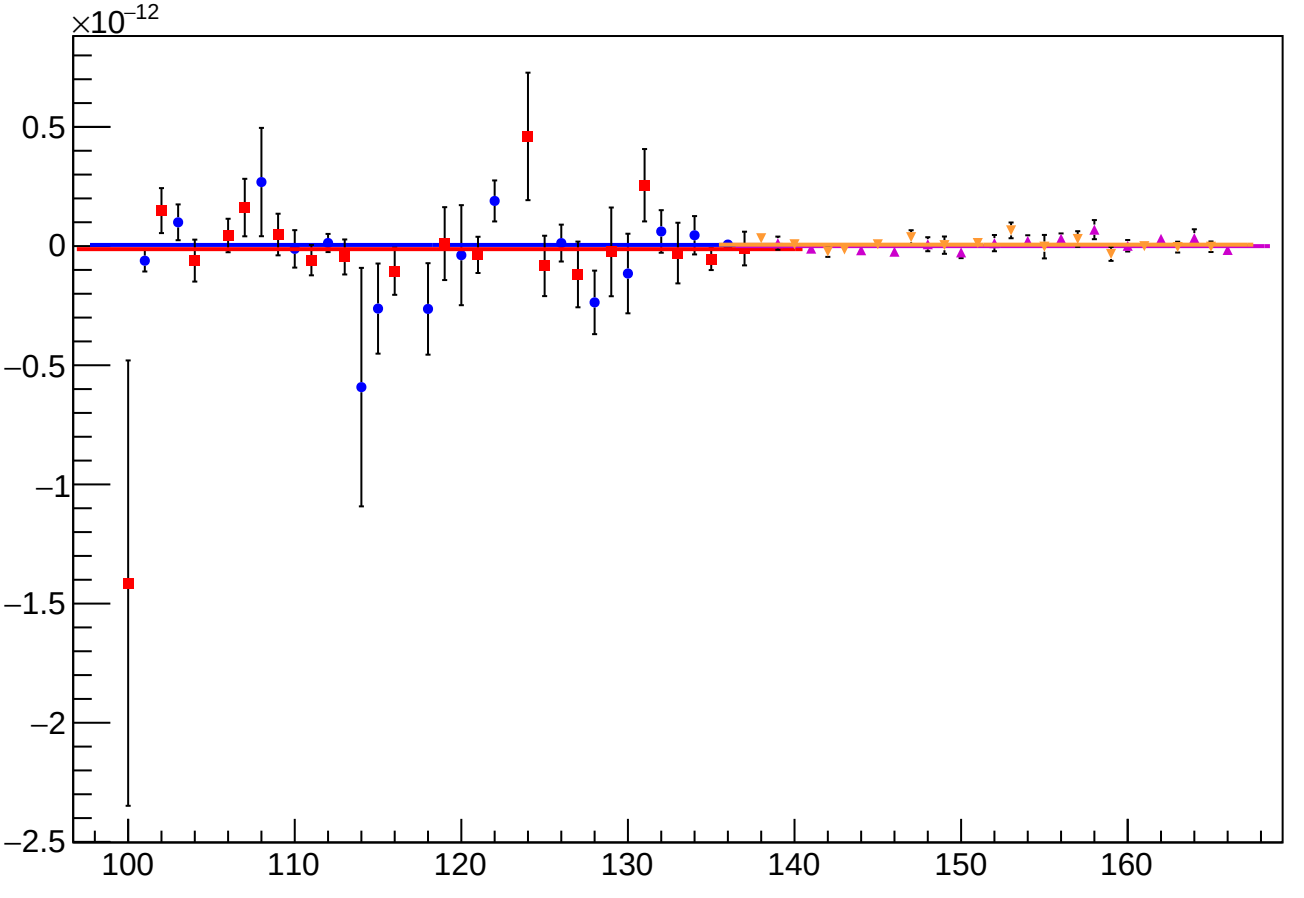
Left: 630.951+/-0.095 χ^2/NDF: 2257050.0/28

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 692.960+/-0.119 χ^2/NDF:3309850.7/29

Out: 714.893+/-0.121 χ^2/NDF:3259241.0/33

All: 703.764+/-0.085 χ^2/NDF: 6585792.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/13

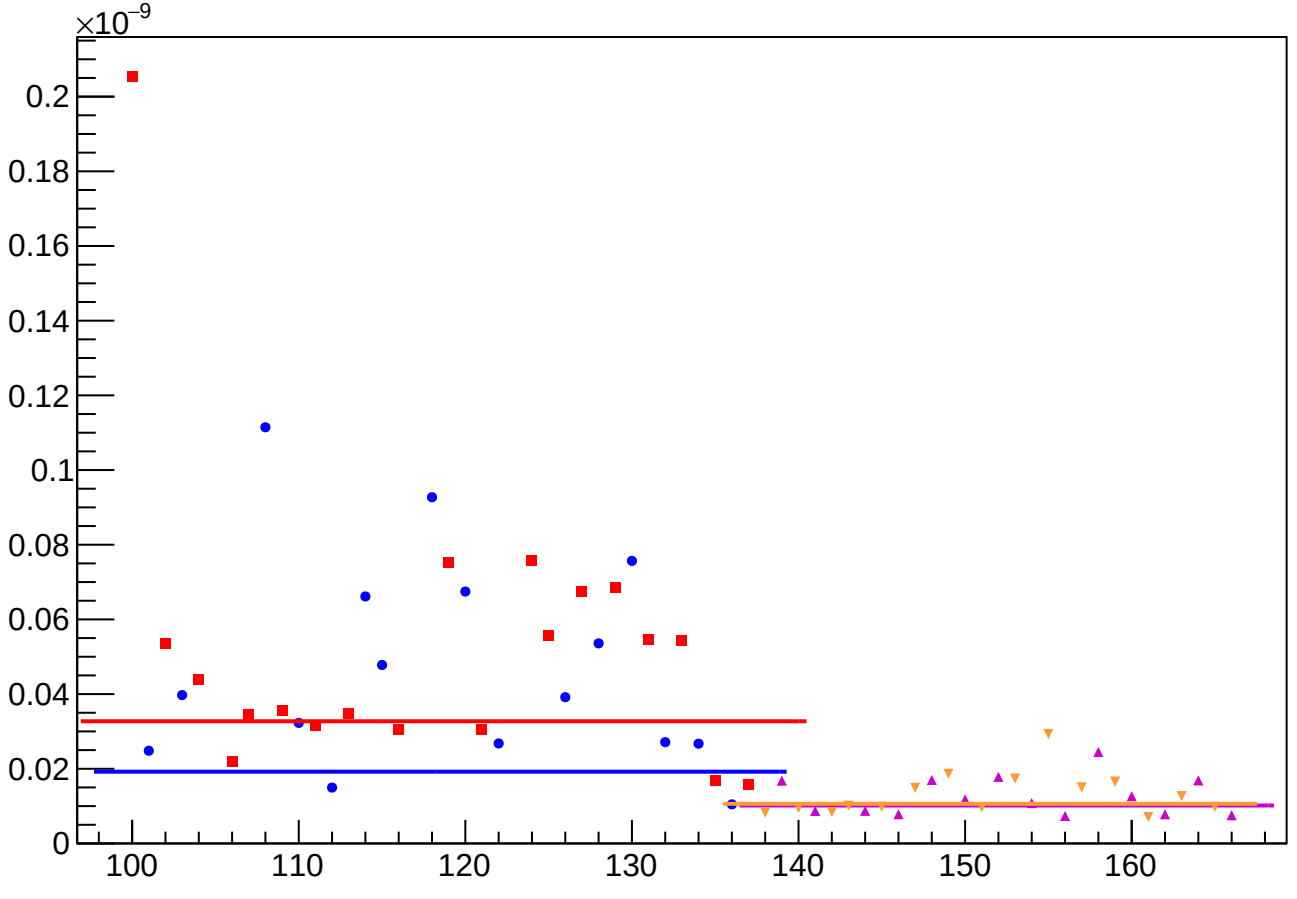
Left: 0.000+/-0.000 χ^2/NDF: 29.6/28

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:36.3/29

Out: 0.000+/-0.000 χ^2/NDF:31.7/33

All: 0.000+/-0.000 χ^2/NDF: 68.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:838884.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:881716.4/13

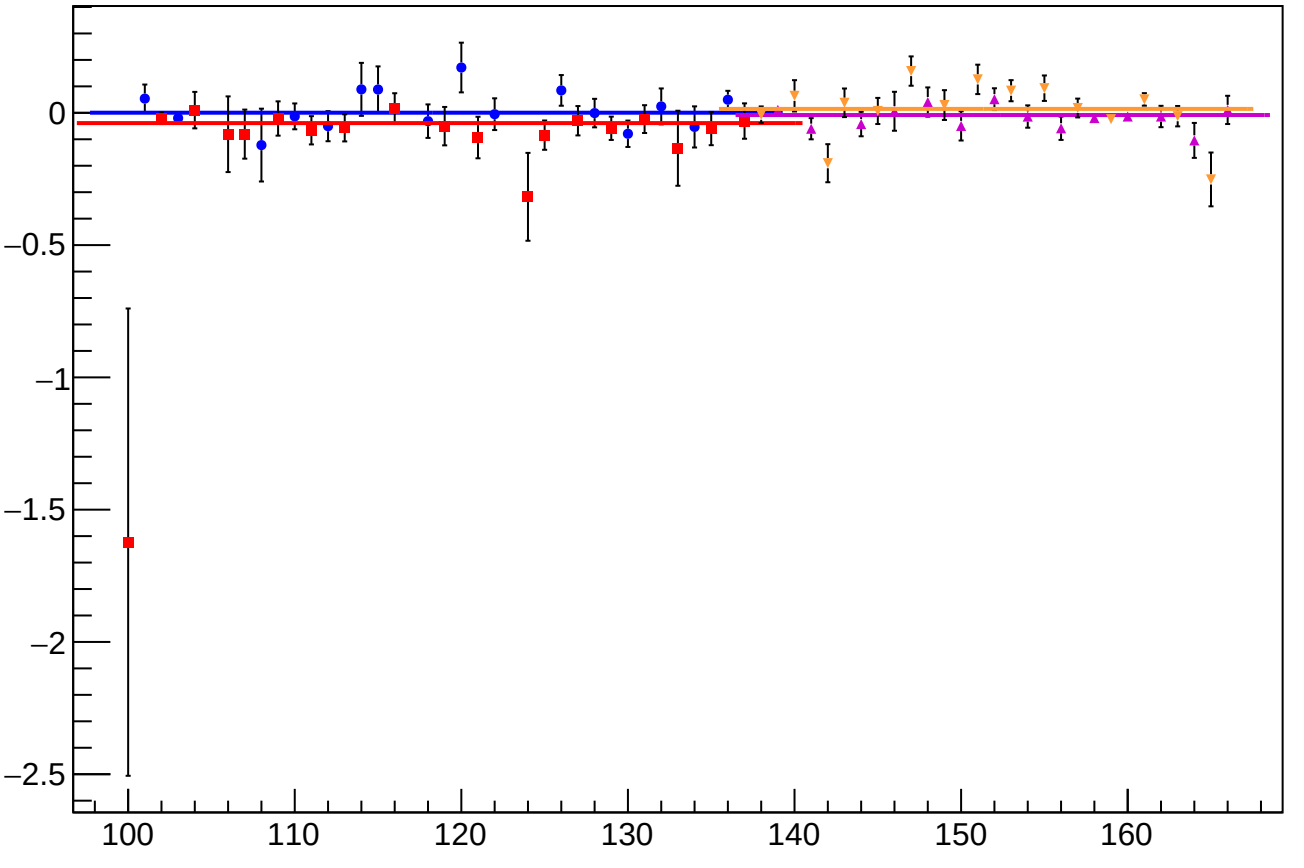
Left: 0.000+/-0.000 χ^2/NDF: 1727232.9/28

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3543016.4/29

Out: 0.000+/-0.000 χ^2/NDF:4132867.9/33

All: 0.000+/-0.000 χ^2/NDF: 7698284.1/63



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.6/28

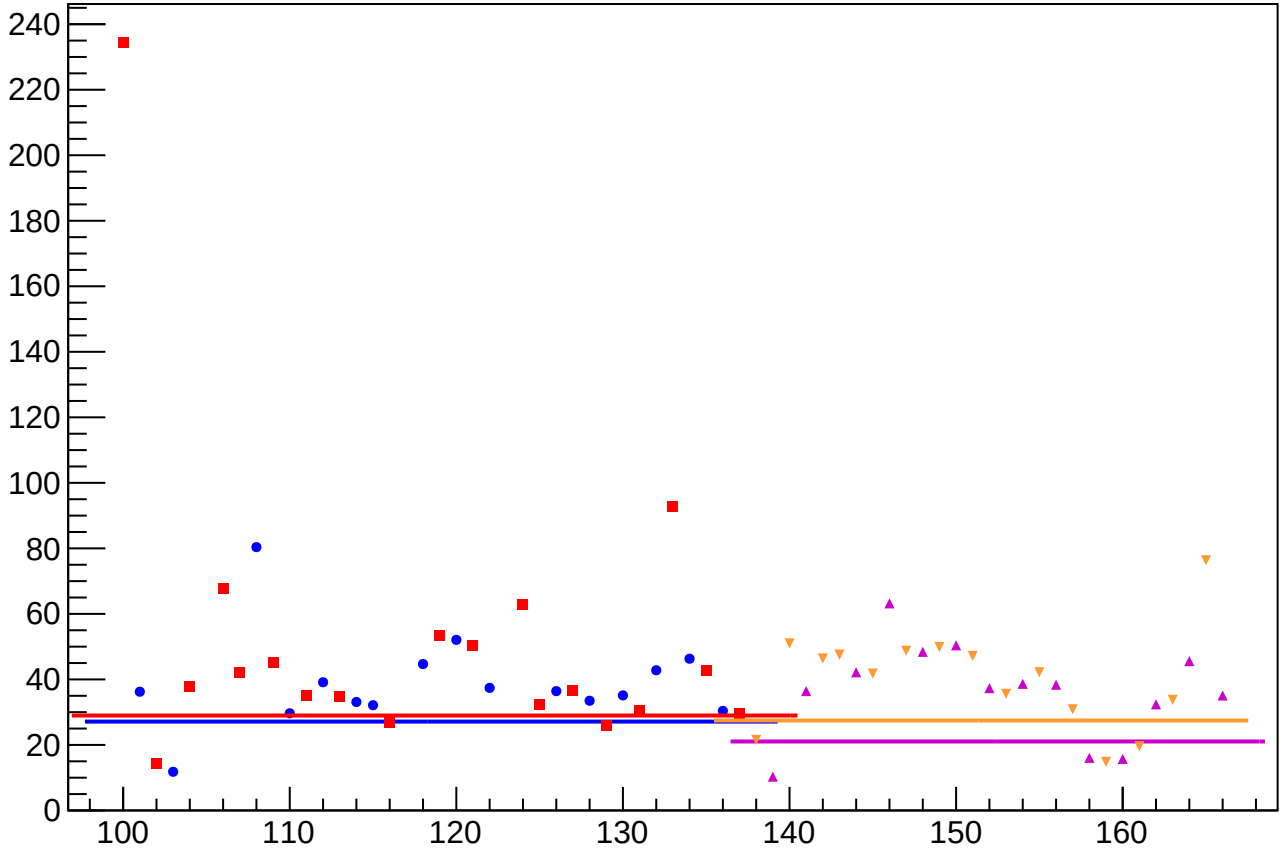
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.6/63

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.460+/-0.007 χ^2/NDF:4037920.6/14

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.052+/-0.005 χ^2/NDF:5576777.4/13

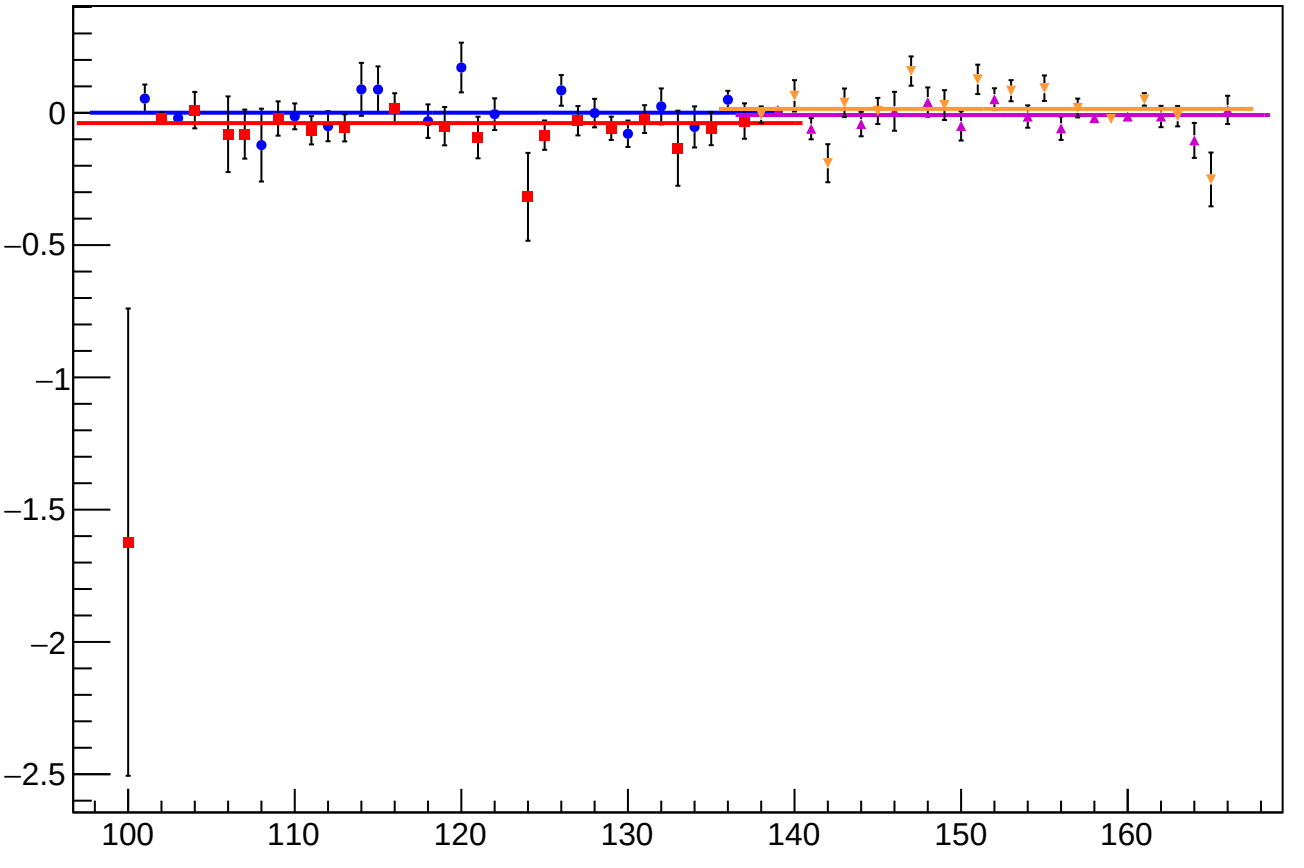
Left: 23.648+/-0.004 χ^2/NDF: 10167018.7/28

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.837+/-0.005 χ^2/NDF:8352198.9/29

Out: 28.002+/-0.005 χ^2/NDF:6512761.1/33

All: 25.046+/-0.003 χ^2/NDF: 15401319.4/63



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.6/28

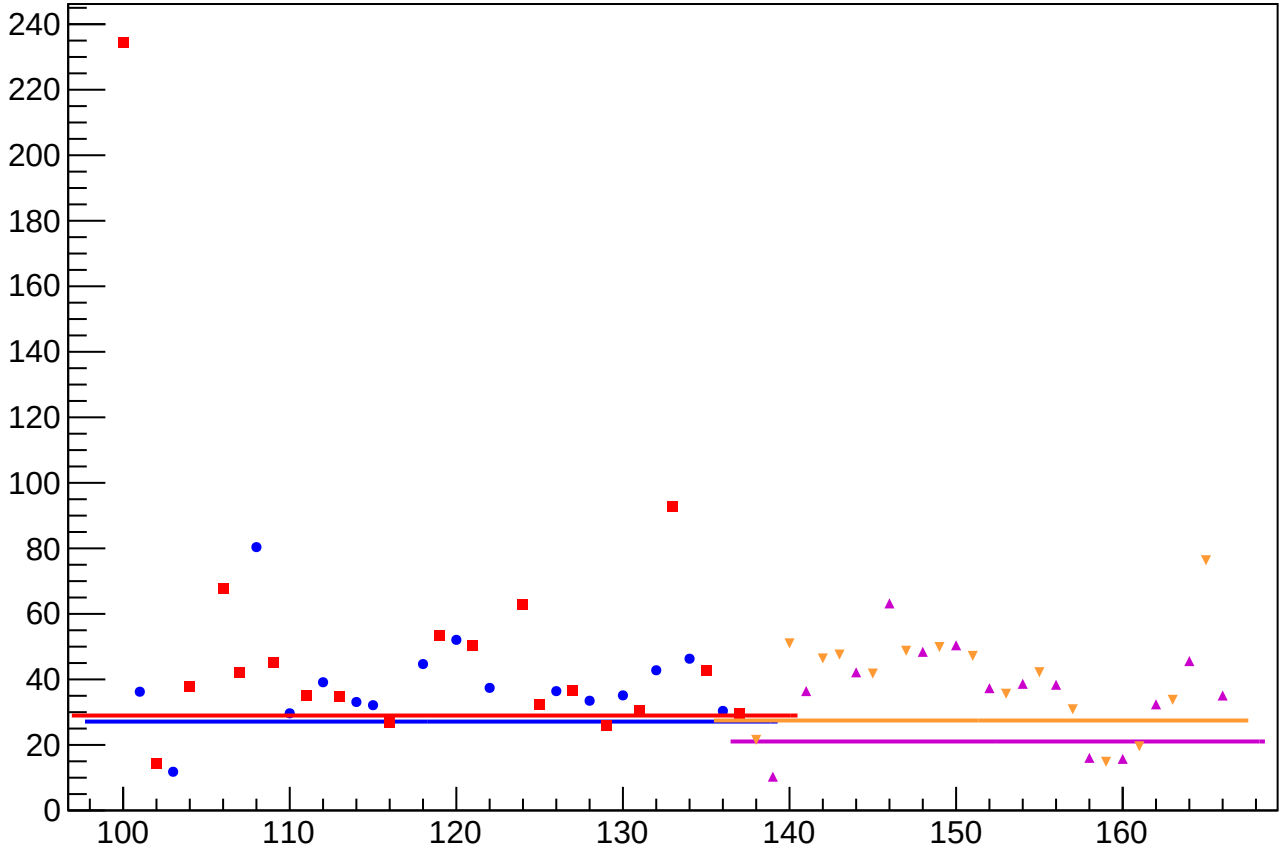
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.6/63

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.460+/-0.007 χ^2/NDF:4037920.6/14

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.052+/-0.005 χ^2/NDF:5576777.4/13

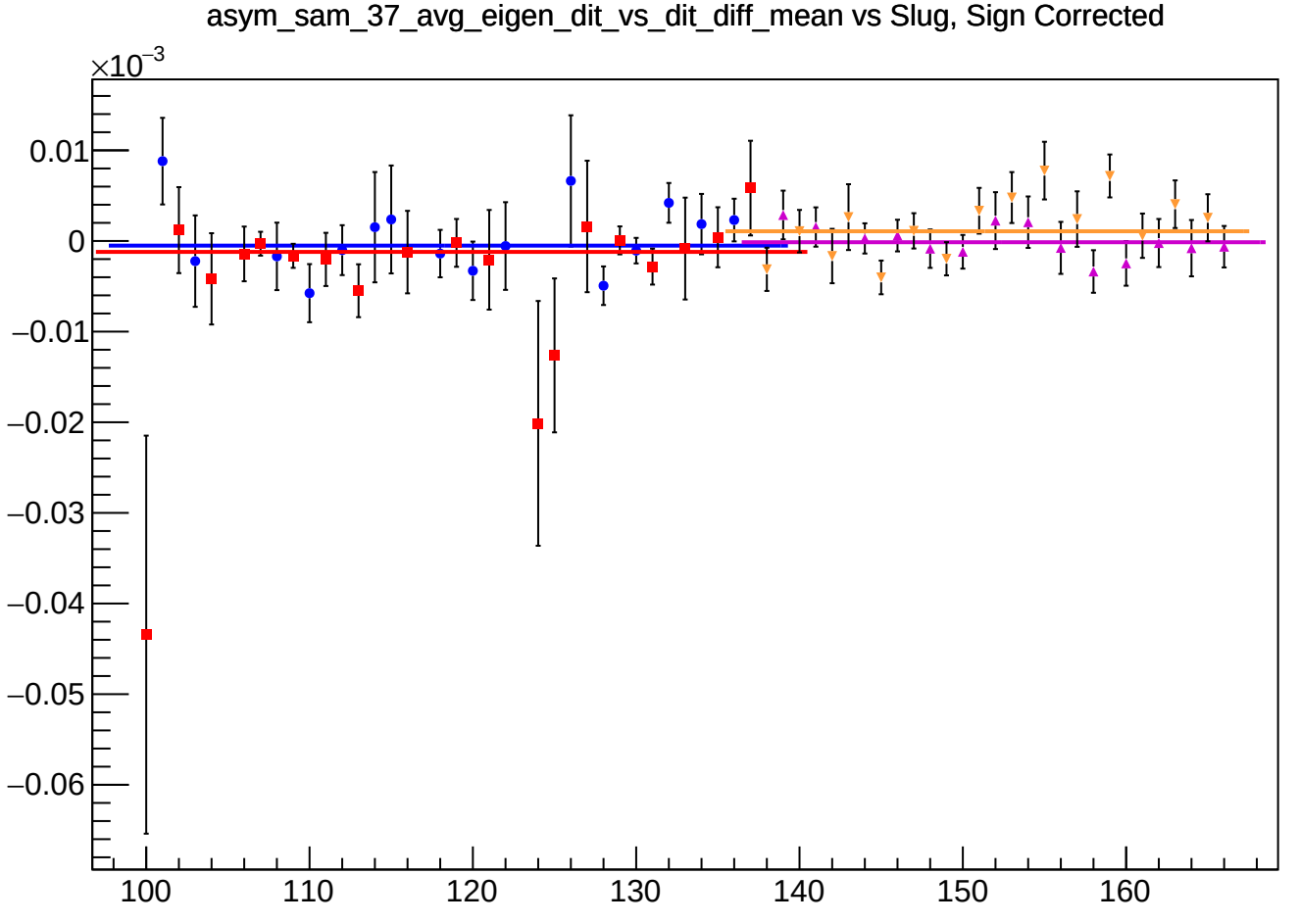
Left: 23.648+/-0.004 χ^2/NDF: 10167018.7/28

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.837+/-0.005 χ^2/NDF:8352198.9/29

Out: 28.002+/-0.005 χ^2/NDF:6512761.1/33

All: 25.046+/-0.003 χ^2/NDF: 15401319.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/13

Left: 0.000+/-0.000 χ^2/NDF: 38.4/28

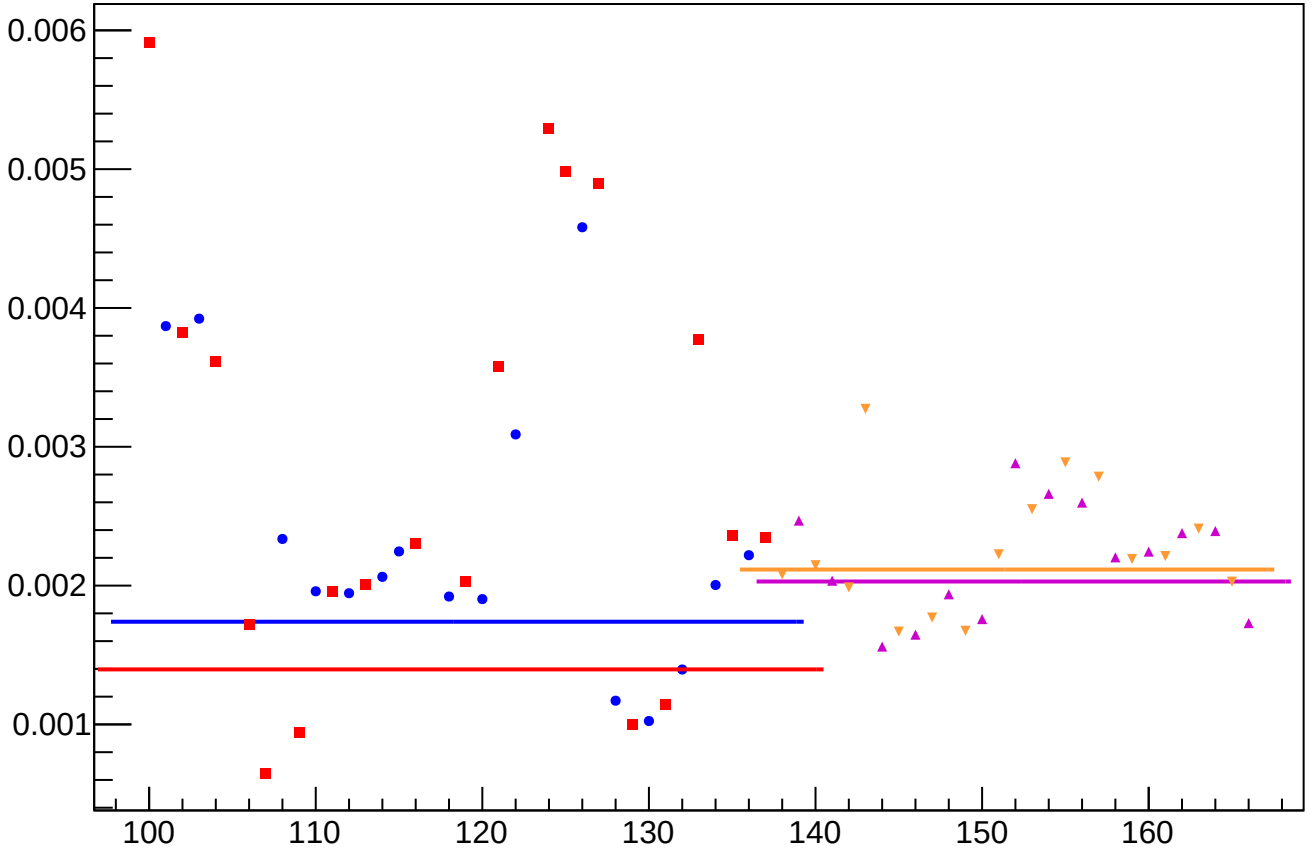
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.8/29

Out: -0.000+/-0.000 χ^2/NDF:51.2/33

All: -0.000+/-0.000 χ^2/NDF: 78.0/63

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:799601.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:801766.9/13

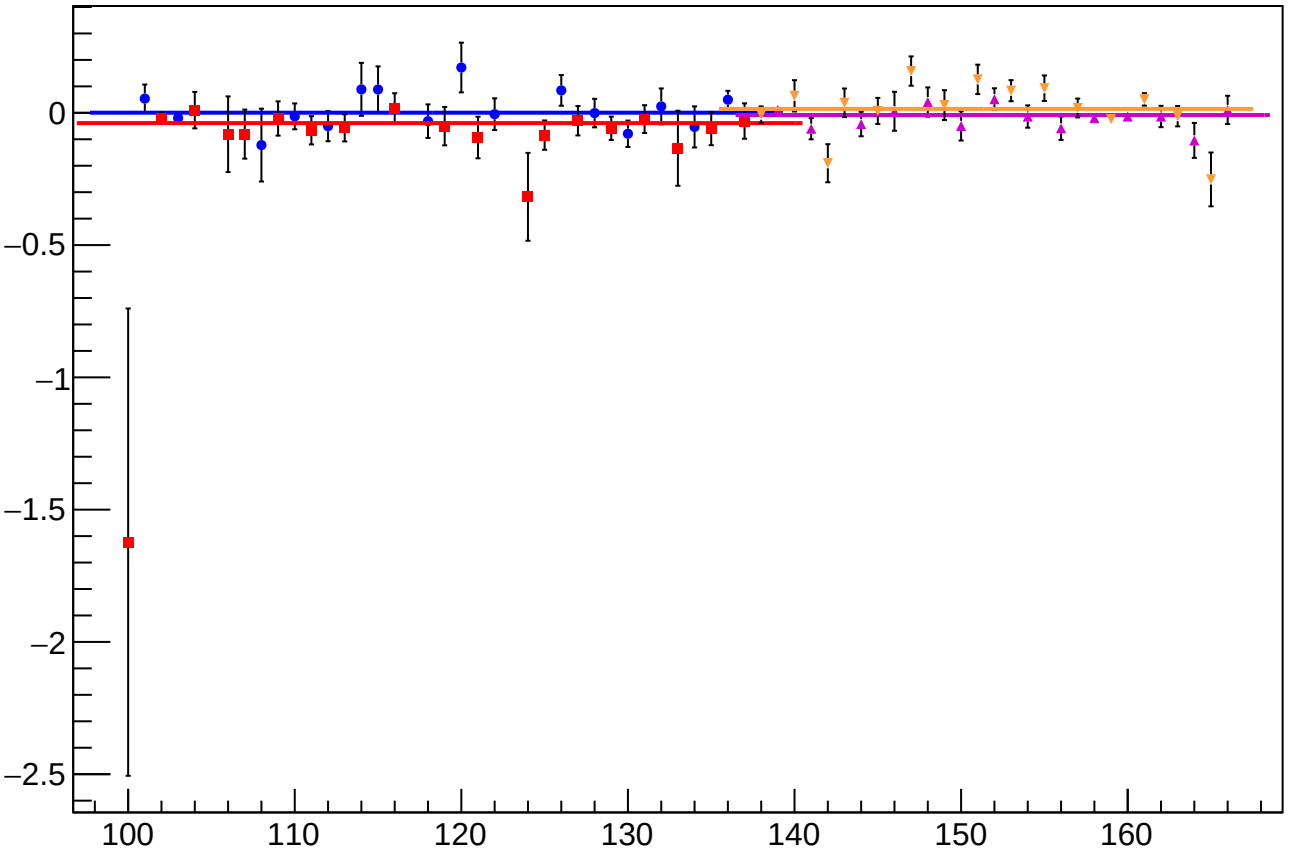
Left: 0.002+/-0.000 χ^2/NDF: 1620741.4/28

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3138002.6/29

Out: 0.002+/-0.000 χ^2/NDF:6466297.6/33

All: 0.002+/-0.000 χ^2/NDF: 9732490.1/63



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.6/28

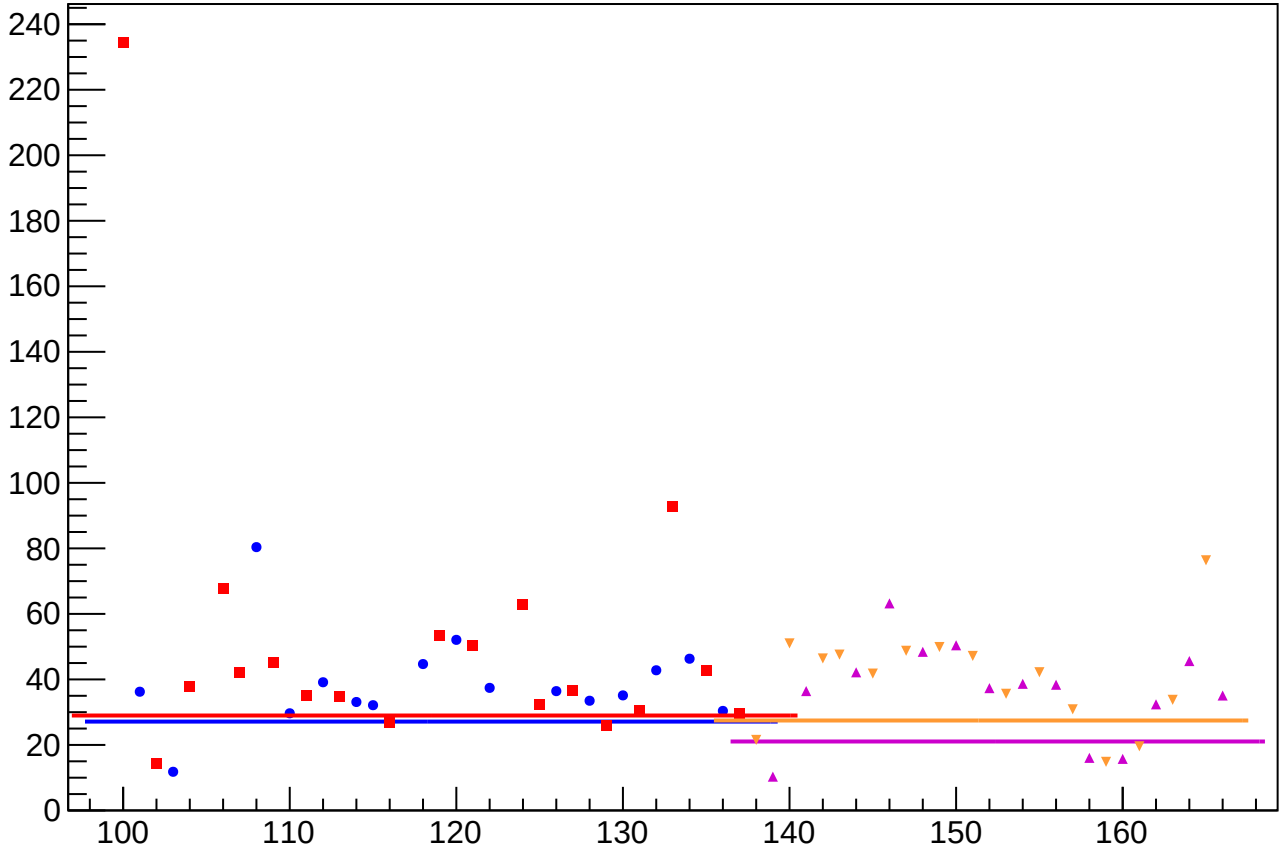
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.6/63

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.460+/-0.007 χ^2/NDF:4038358.6/14

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.051+/-0.005 χ^2/NDF:5577551.7/13

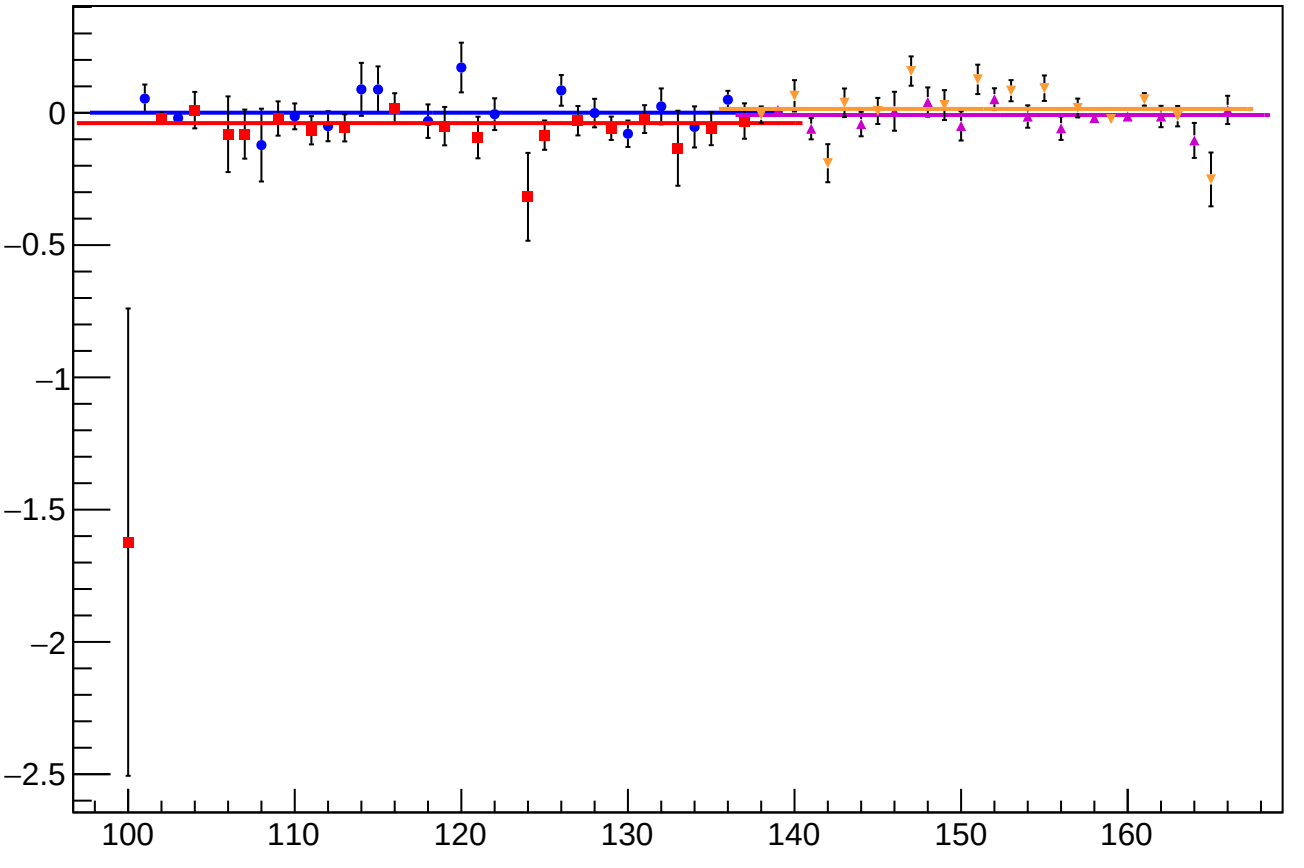
Left: 23.647+/-0.004 χ^2/NDF: 10168366.1/28

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.836+/-0.005 χ^2/NDF:8353395.1/29

Out: 28.002+/-0.005 χ^2/NDF:6512687.4/33

All: 25.045+/-0.003 χ^2/NDF: 15402802.0/63



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.008+/-0.008 χ^2/NDF:11.9/13

Left: 0.001+/-0.006 χ^2/NDF: 56.6/28

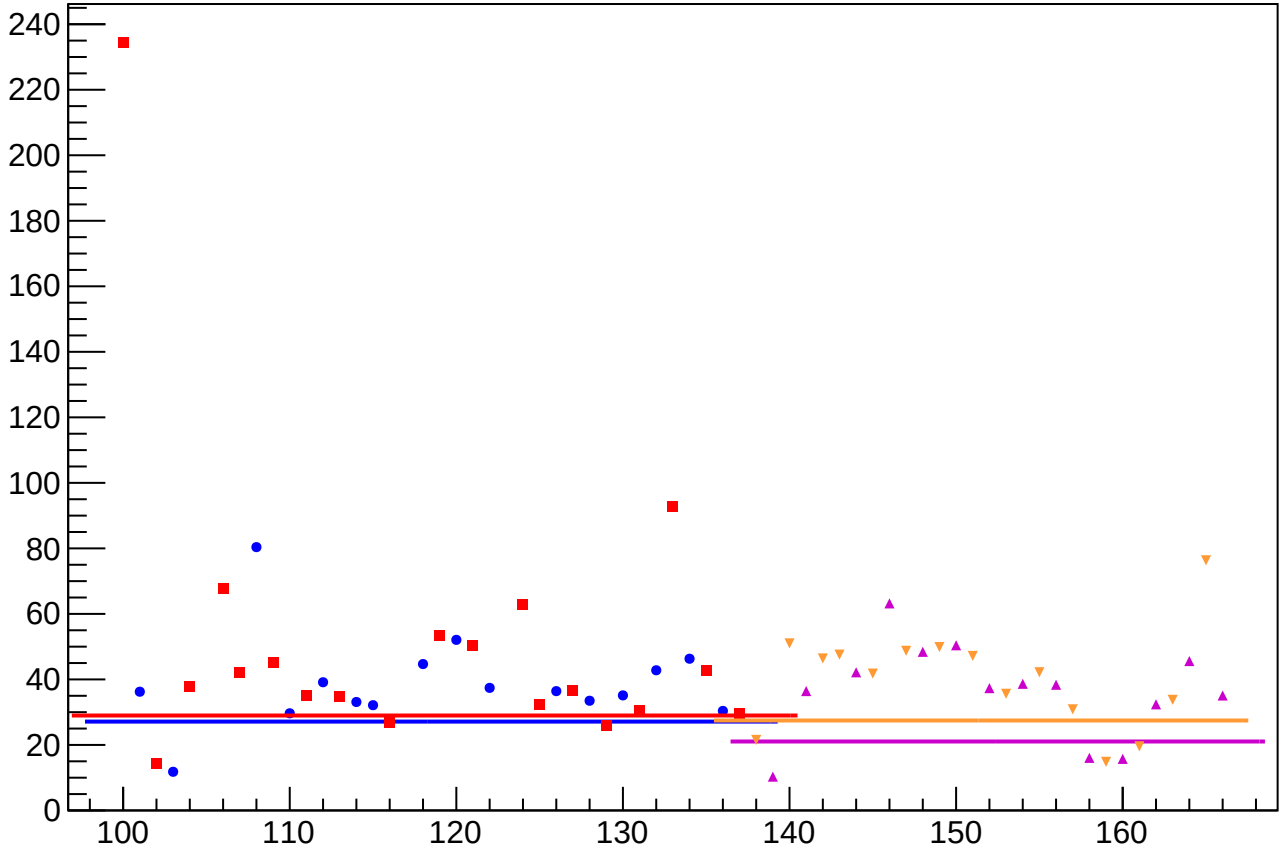
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.8/29

Out: -0.004+/-0.008 χ^2/NDF:63.8/33

All: -0.005+/-0.005 χ^2/NDF: 92.6/63

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.460+/-0.007 χ^2/NDF:4038358.6/14

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.051+/-0.005 χ^2/NDF:5577551.7/13

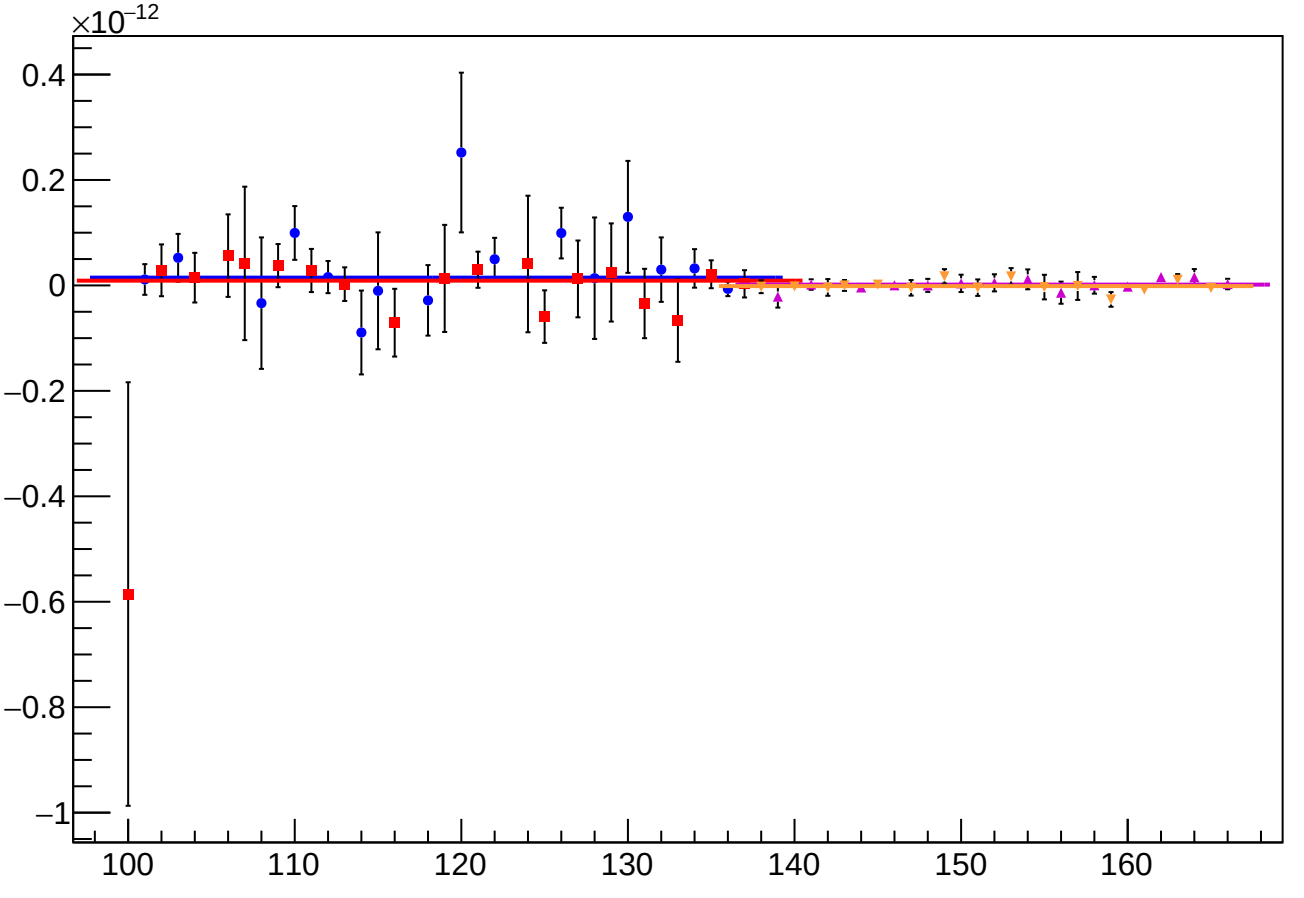
Left: 23.647+/-0.004 χ^2/NDF: 10168366.1/28

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.836+/-0.005 χ^2/NDF:8353395.1/29

Out: 28.002+/-0.005 χ^2/NDF:6512687.4/33

All: 25.045+/-0.003 χ^2/NDF: 15402802.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/13

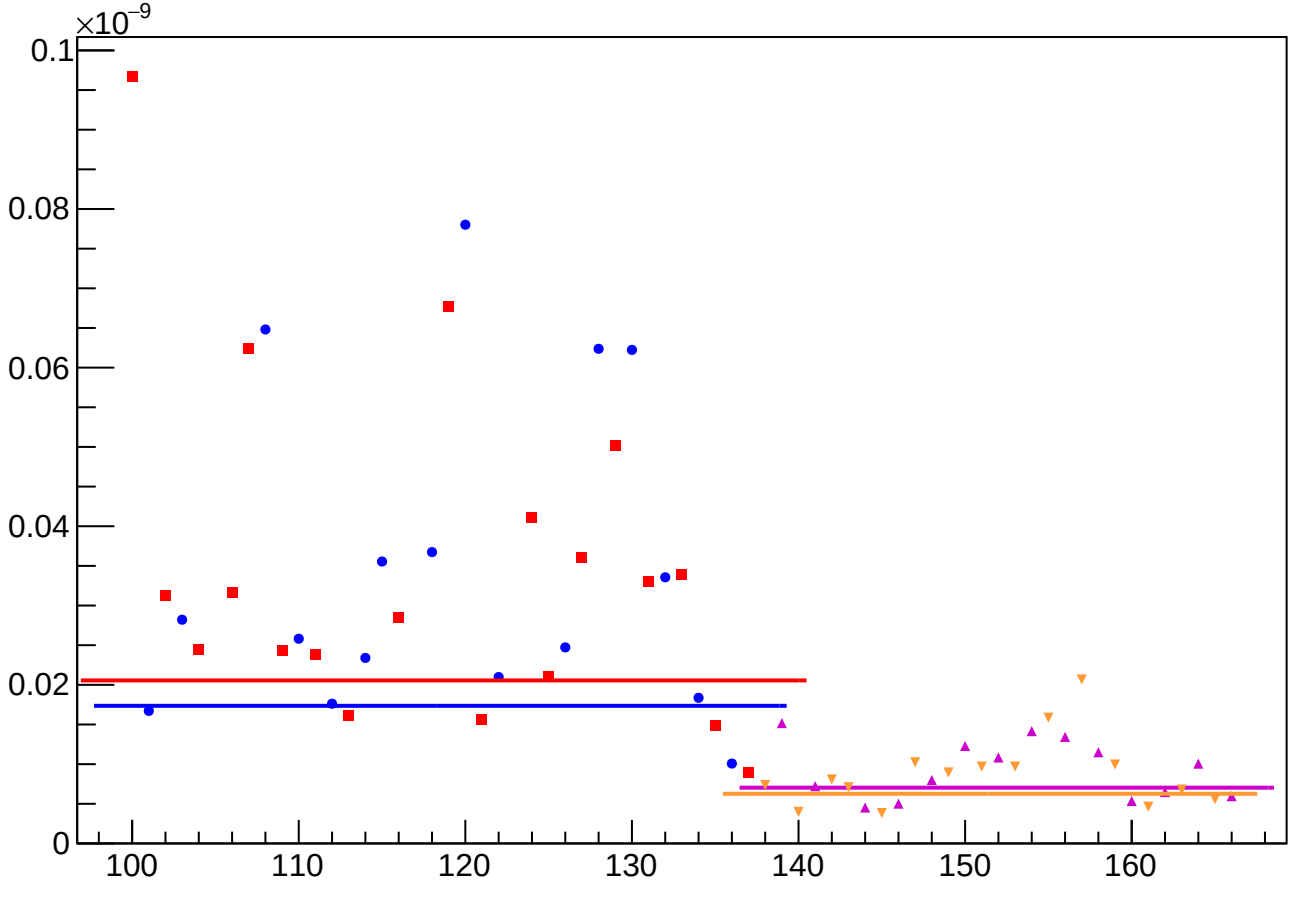
Left: 0.000+/-0.000 χ^2/NDF: 15.6/28

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:23.9/29

Out: -0.000+/-0.000 χ^2/NDF:18.8/33

All: 0.000+/-0.000 χ^2/NDF: 43.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2163440.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1851508.6/13

Left: 0.000+/-0.000 χ^2/NDF: 4086758.2/28

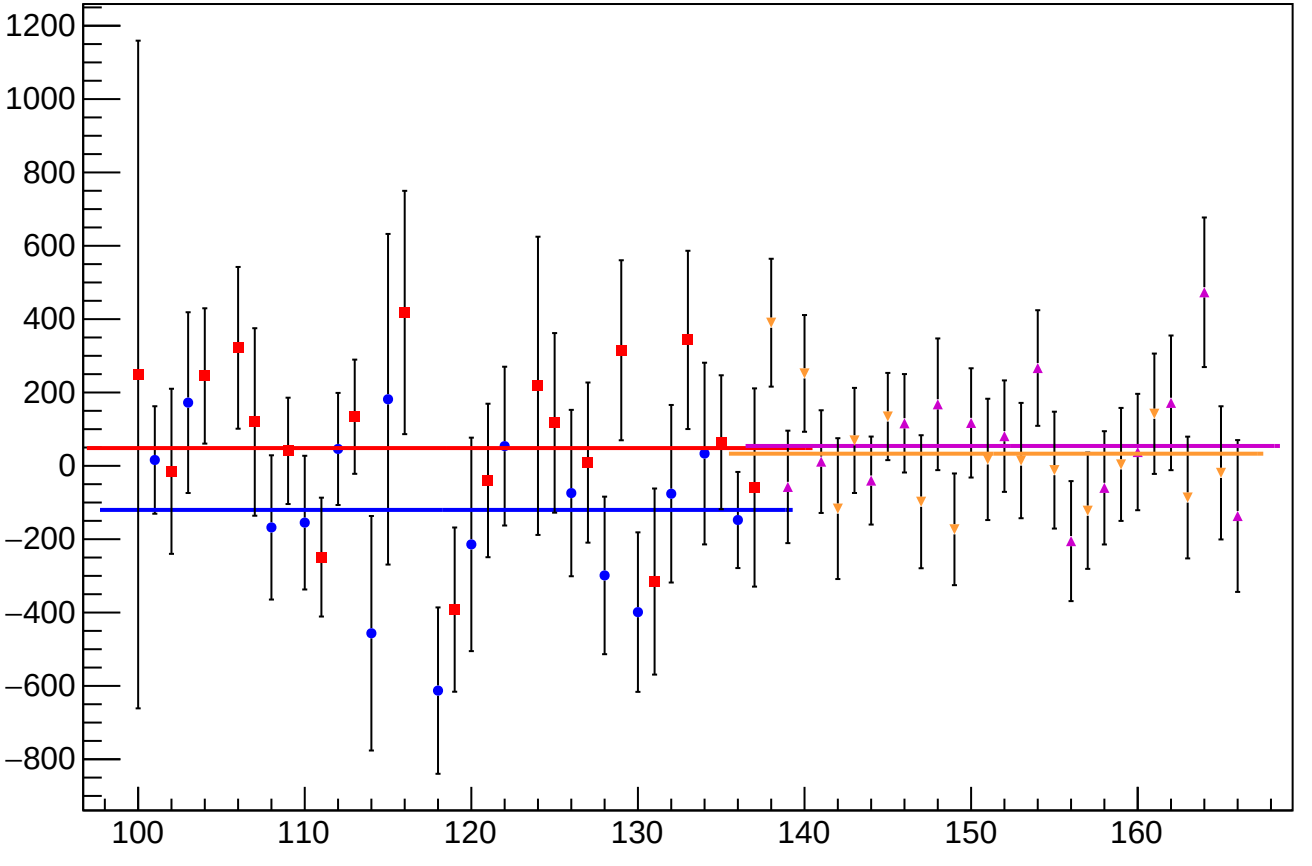
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6460728.8/29

Out: 0.000+/-0.000 χ^2/NDF:7360965.1/33

All: 0.000+/-0.000 χ^2/NDF: 13911288.4/63

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 33.143+/-41.011 χ^2/NDF:12.0/14

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 54.209+/-41.730 χ^2/NDF:12.4/13

Left: 43.493+/-29.250 χ^2/NDF: 24.6/28

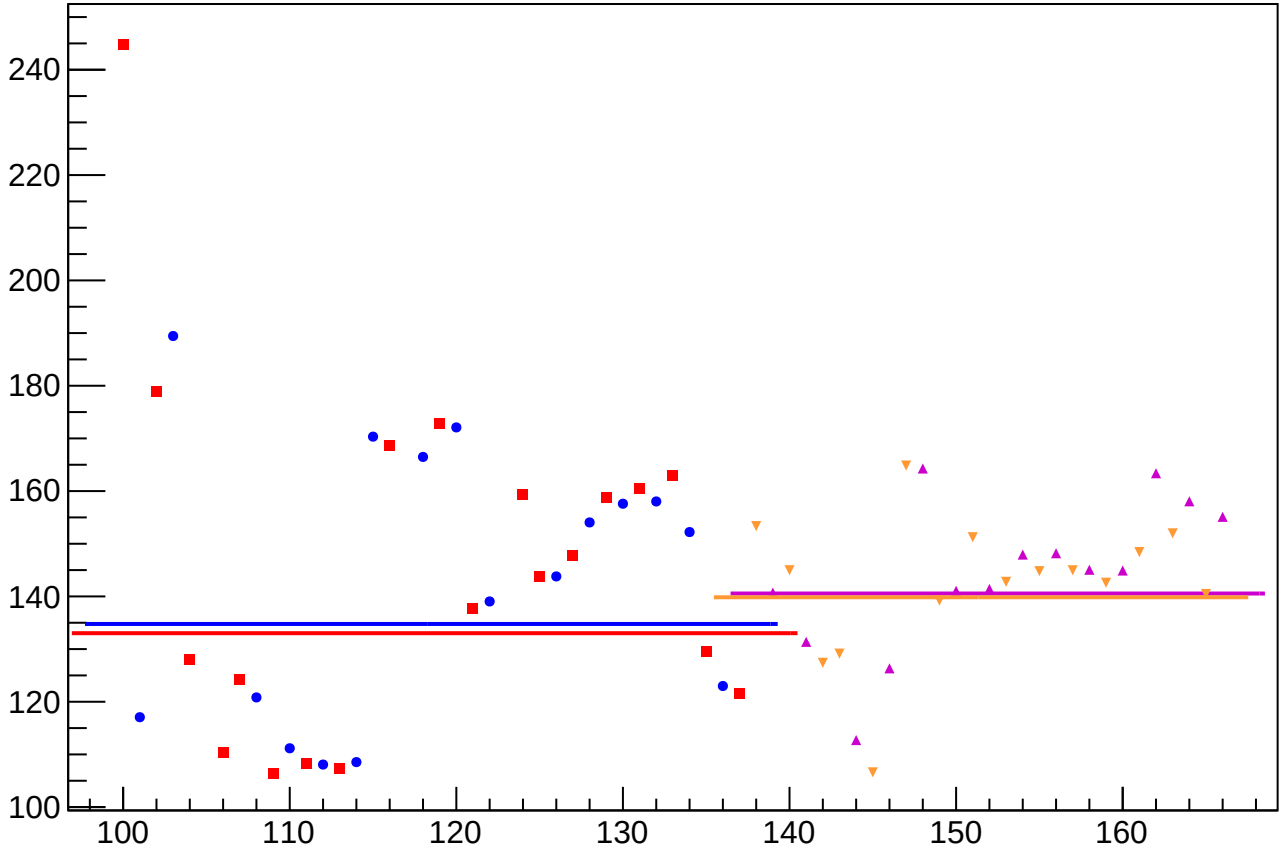
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -15.546+/-32.322 χ^2/NDF:32.8/29

Out: 39.312+/-31.686 χ^2/NDF:29.0/33

All: 12.428+/-22.627 χ^2/NDF: 63.3/63

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.1/13

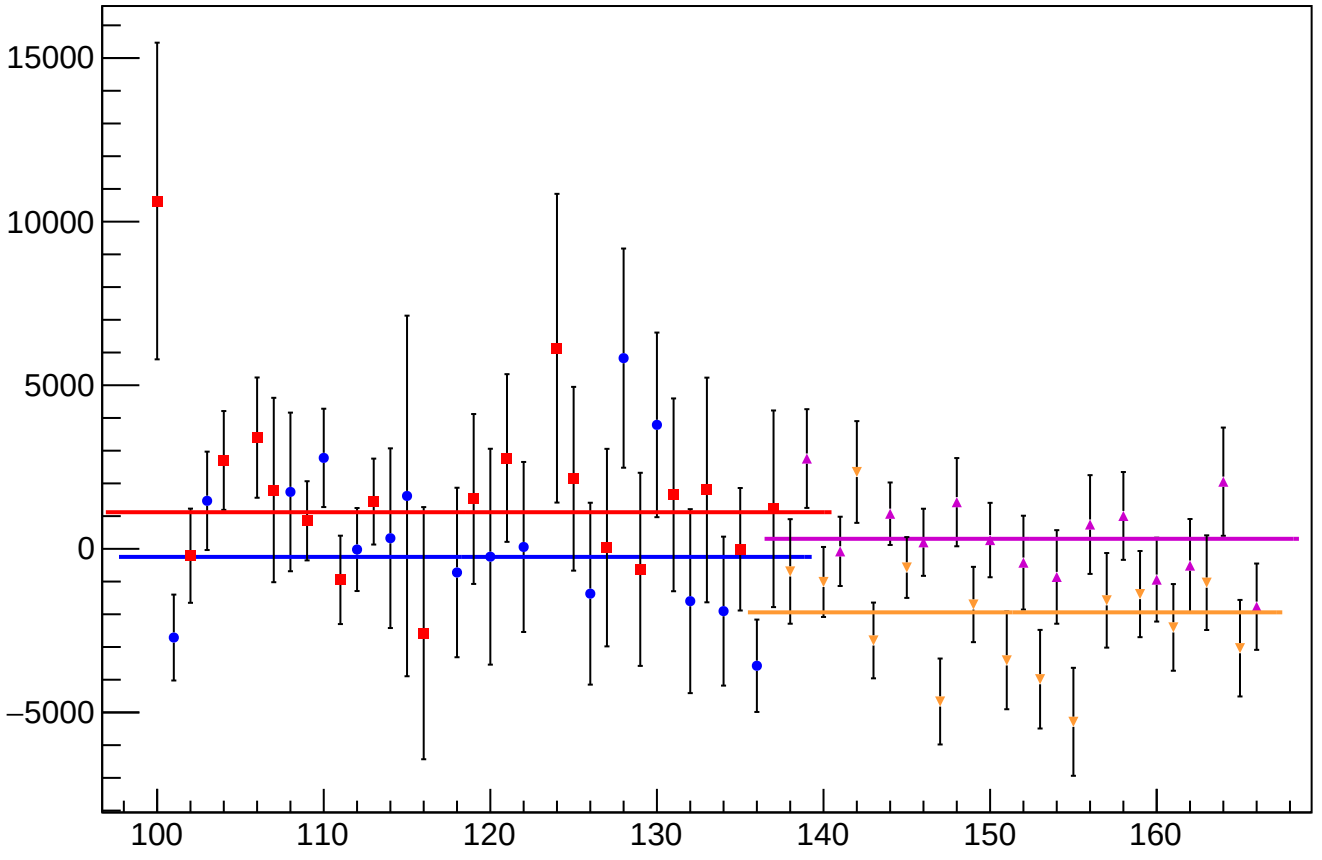
Left: 140.188+/-0.021 χ^2/NDF: 500652.4/28

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.238+/-0.023 χ^2/NDF:673348.3/29

Out: 137.089+/-0.022 χ^2/NDF:777129.1/33

All: 137.653+/-0.016 χ^2/NDF: 1451766.5/63



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1940.930+/-338.332 χ^2/NDF:24.3/14

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 306.380+/-338.768 χ^2/NDF:10.3/13

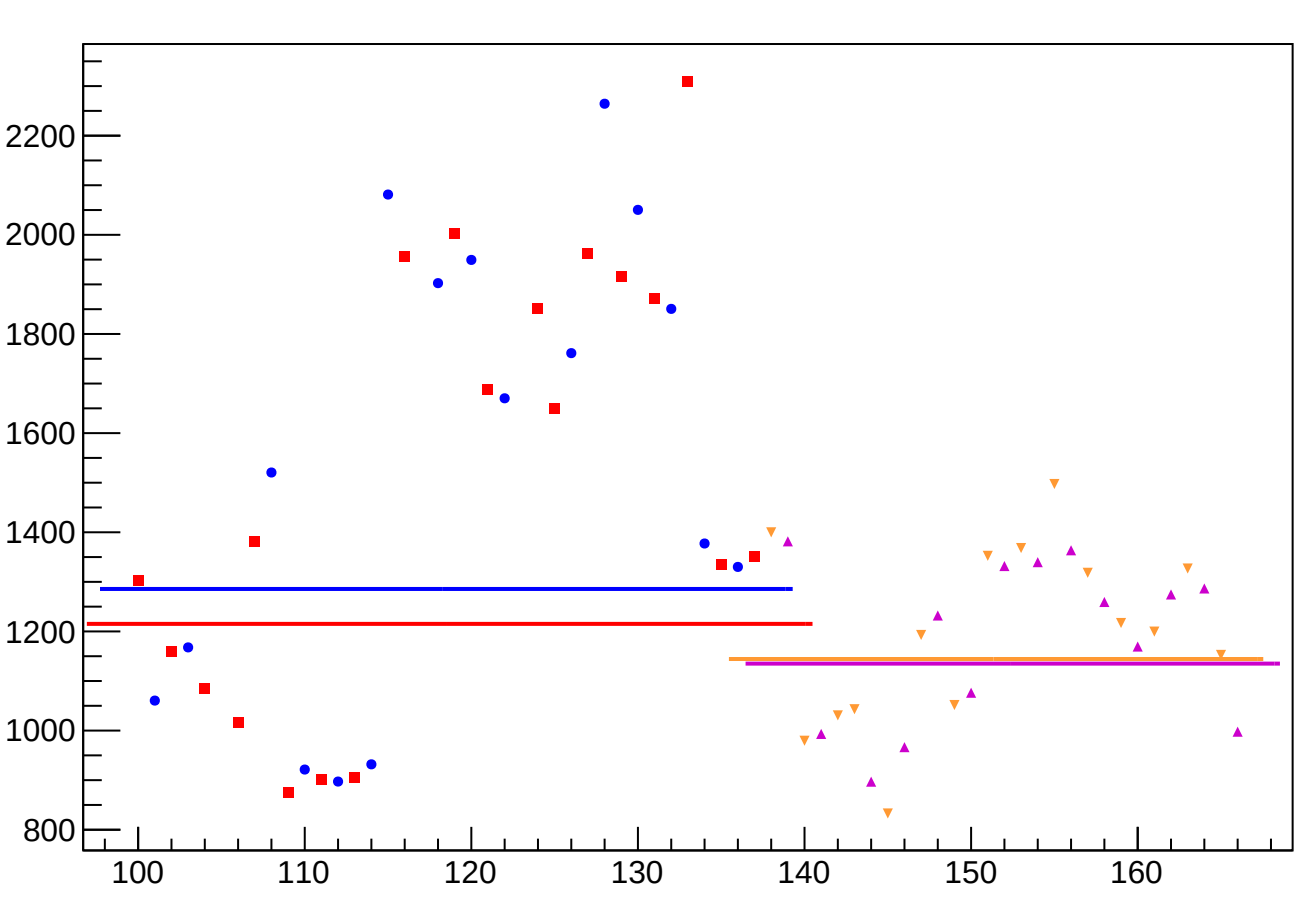
Left: -818.722+/-239.391 χ^2/NDF: 56.6/28

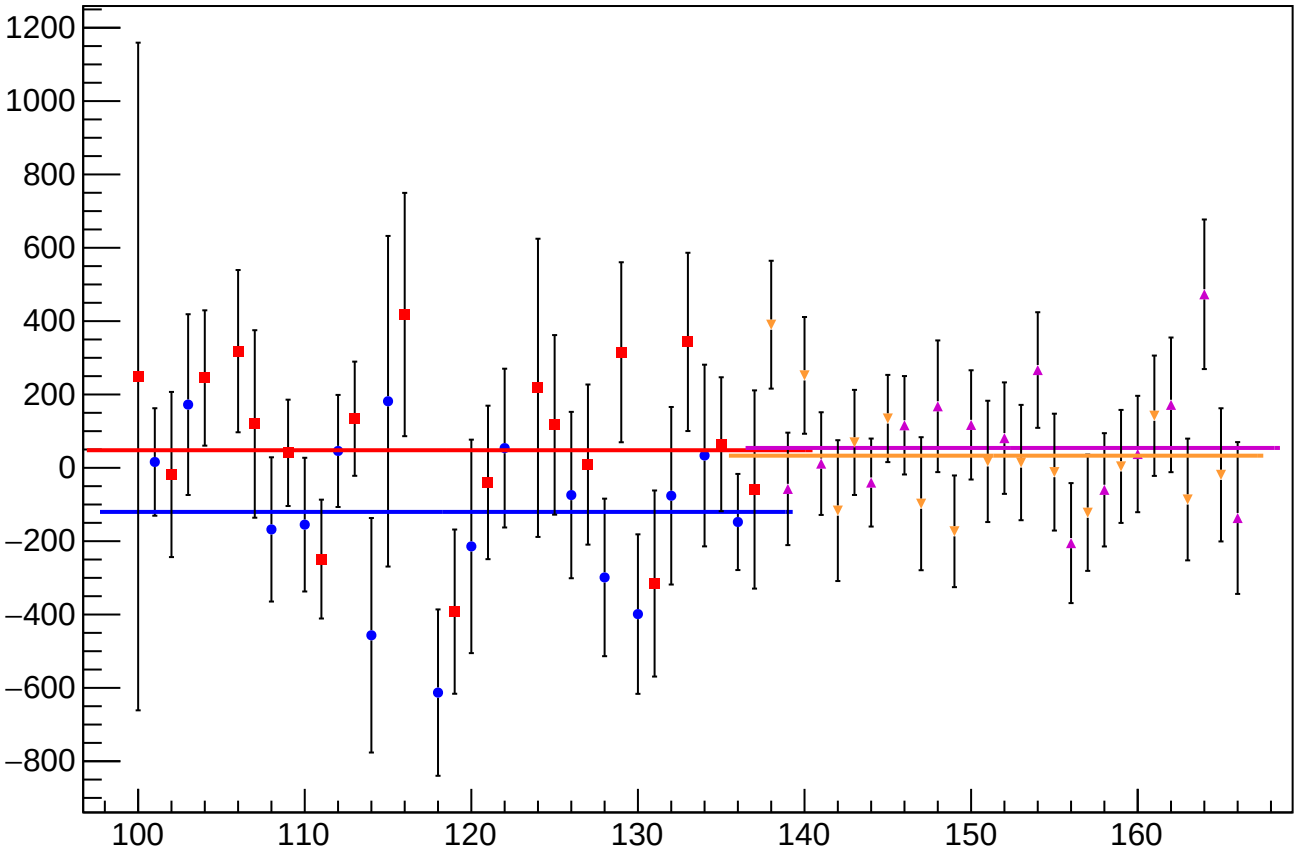
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

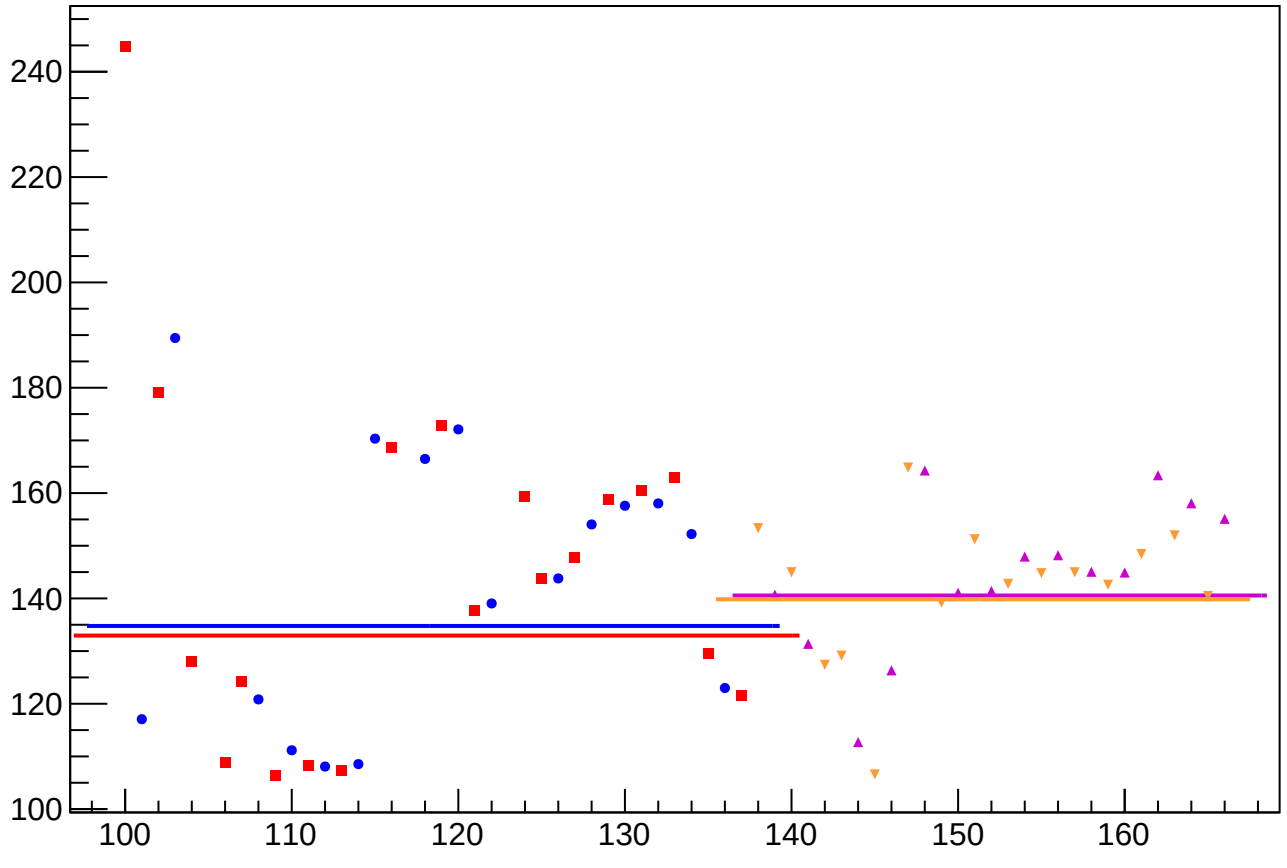
In: 133.147+/-280.706 χ^2/NDF:32.7/29

Out: -891.667+/-274.267 χ^2/NDF:65.7/33

All: -391.149+/-196.173 χ^2/NDF: 105.3/63


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1144.385+/-0.239 χ²/NDF:610046.0/14
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1135.087+/-0.240 χ²/NDF:484089.6/13
Left: 1139.742+/-0.169 χ²/NDF: 1094889.9/28
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1182.280+/-0.198 χ²/NDF:1778372.2/29
Out: 1168.677+/-0.194 χ²/NDF:2026408.6/33
All: 1175.321+/-0.139 χ²/NDF: 3807183.7/63


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 33.148+/-41.011 χ²/NDF:12.0/14
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 54.210+/-41.730 χ²/NDF:12.4/13
Left: 43.496+/-29.250 χ²/NDF: 24.6/28
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -15.550+/-32.322 χ²/NDF:32.8/29
Out: 39.138+/-31.688 χ²/NDF:29.0/33
All: 12.336+/-22.628 χ²/NDF: 63.3/63



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.2/13

Left: 140.188+/-0.021 χ^2/NDF: 500652.4/28

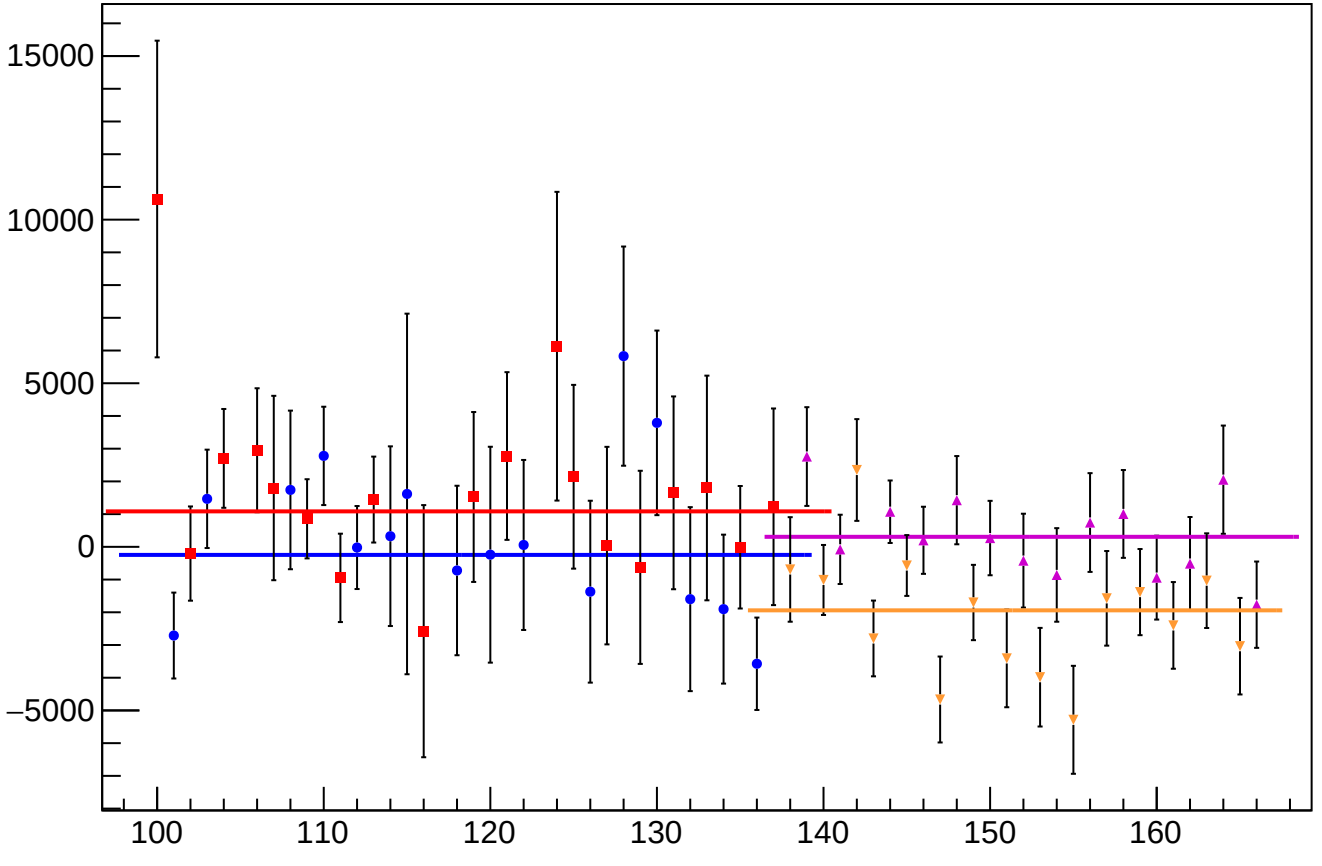
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.239+/-0.023 χ^2/NDF:673351.2/29

Out: 137.061+/-0.022 χ^2/NDF:780733.3/33

All: 137.638+/-0.016 χ^2/NDF: 1455438.4/63

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1940.922+/-338.332 χ^2/NDF:24.3/14

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 306.387+/-338.768 χ^2/NDF:10.3/13

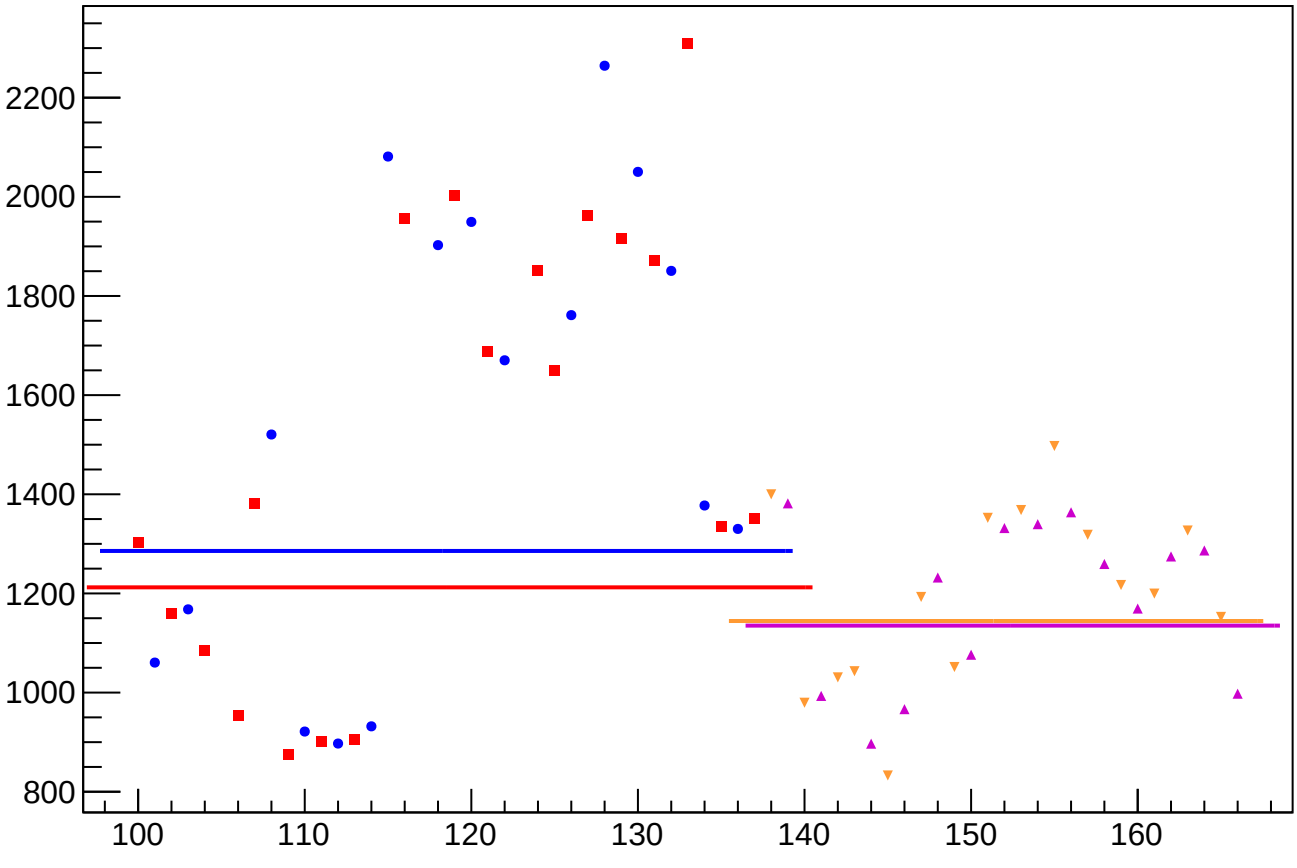
Left: -818.715+/-239.391 χ^2/NDF: 56.6/28

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 133.132+/-280.707 χ^2/NDF:32.7/29

Out: -906.457+/-274.452 χ^2/NDF:64.4/33

All: -398.374+/-196.241 χ^2/NDF: 104.1/63



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1135.087+/-0.240 χ^2/NDF:484087.2/13

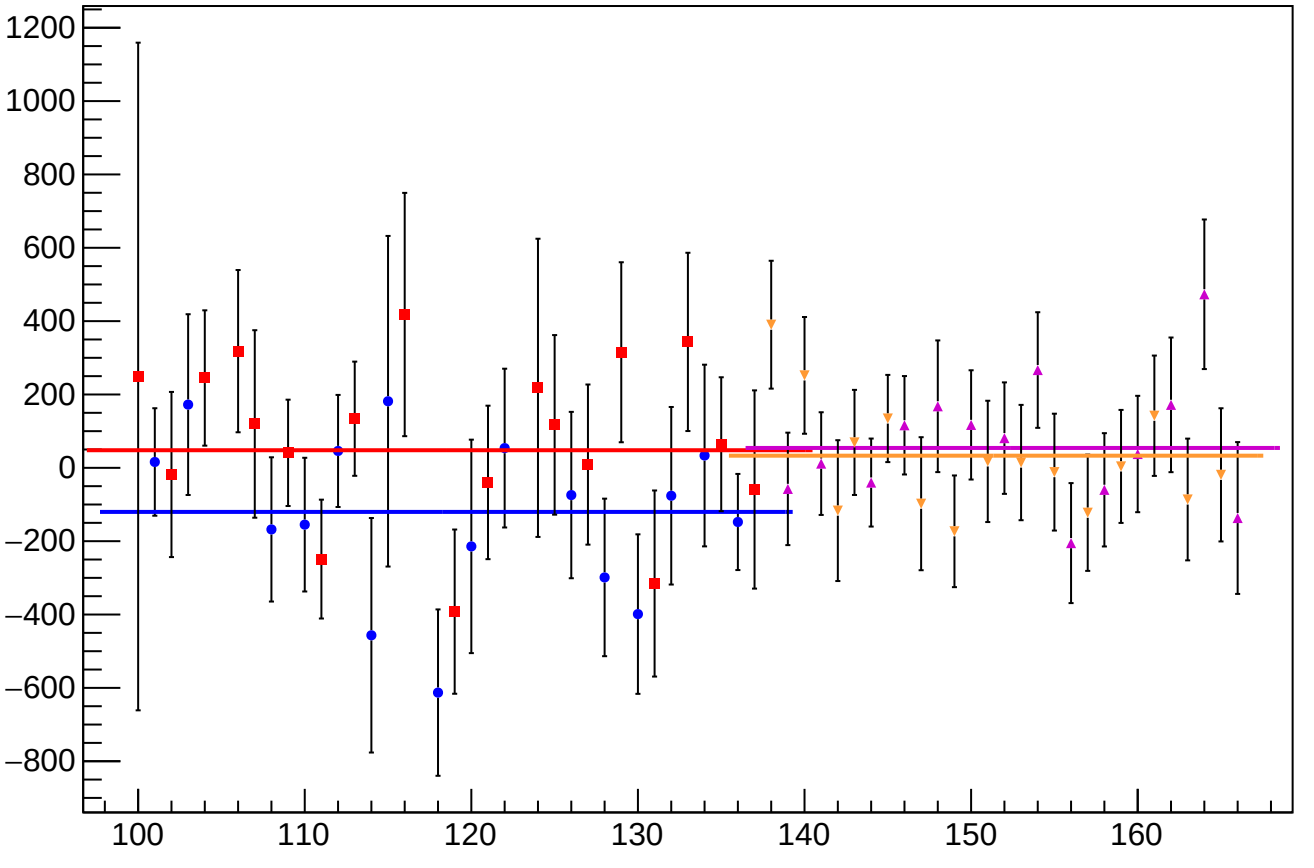
Left: 1139.742+/-0.169 χ^2/NDF: 1094889.3/28

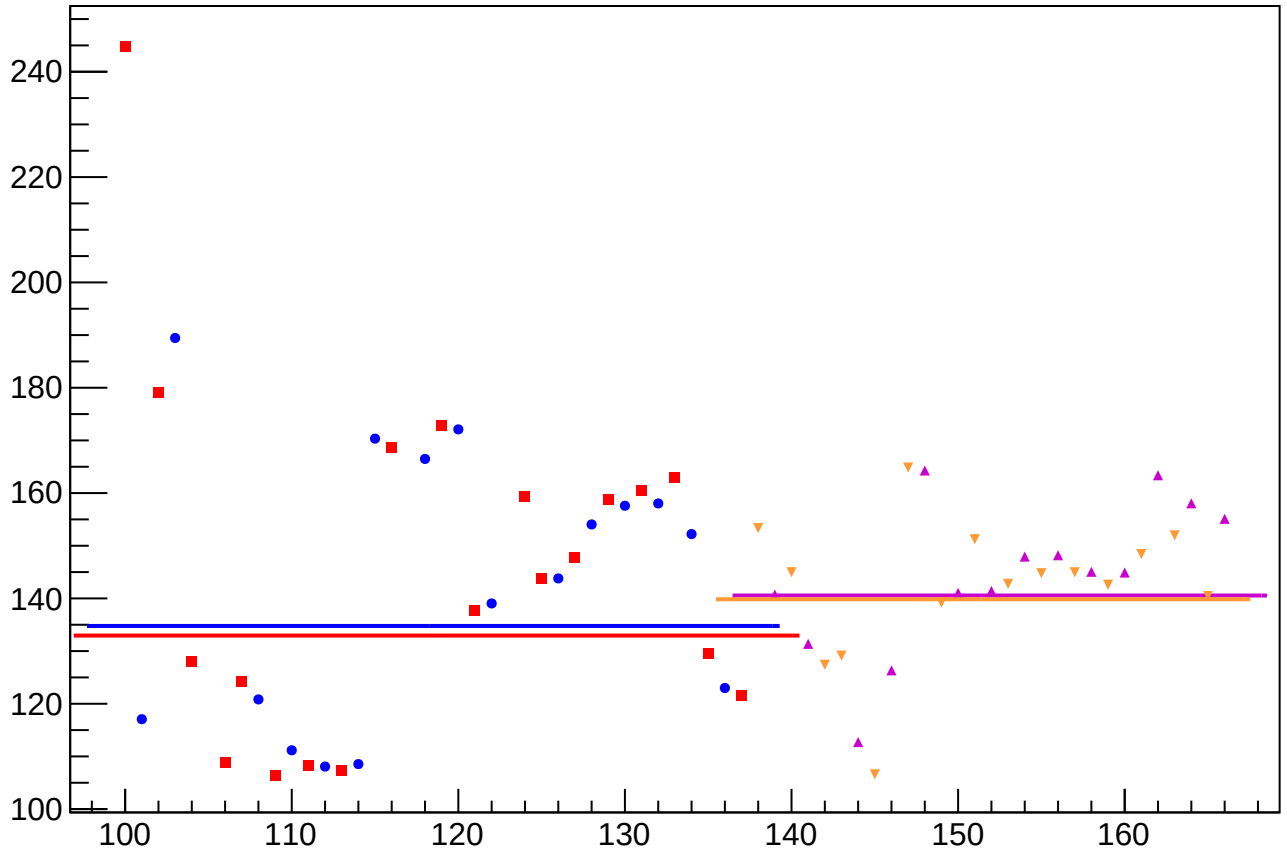
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1182.284+/-0.198 χ^2/NDF:1778365.1/29

Out: 1167.601+/-0.194 χ^2/NDF:2038222.8/33

All: 1174.777+/-0.139 χ^2/NDF: 3819385.5/63


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 33.148+/-41.011 χ²/NDF:12.0/14
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 54.210+/-41.730 χ²/NDF:12.4/13
Left: 43.496+/-29.250 χ²/NDF: 24.6/28
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -15.550+/-32.322 χ²/NDF:32.8/29
Out: 39.138+/-31.688 χ²/NDF:29.0/33
All: 12.336+/-22.628 χ²/NDF: 63.3/63



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.551+/-0.030 χ^2/NDF:241223.2/13

Left: 140.188+/-0.021 χ^2/NDF: 500652.4/28

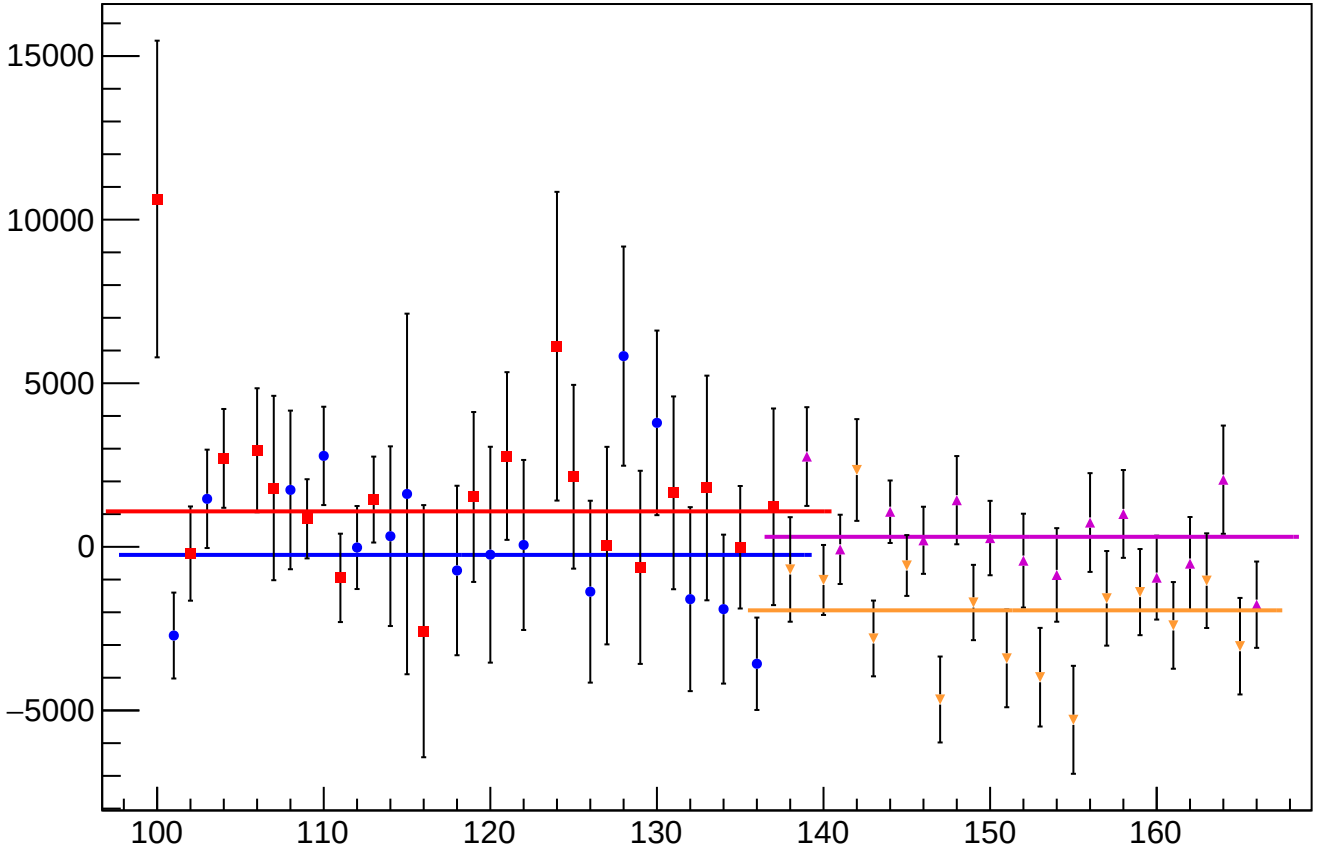
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.239+/-0.023 χ^2/NDF:673351.2/29

Out: 137.061+/-0.022 χ^2/NDF:780733.3/33

All: 137.638+/-0.016 χ^2/NDF: 1455438.4/63

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1940.922+/-338.332 χ^2/NDF:24.3/14

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 306.387+/-338.768 χ^2/NDF:10.3/13

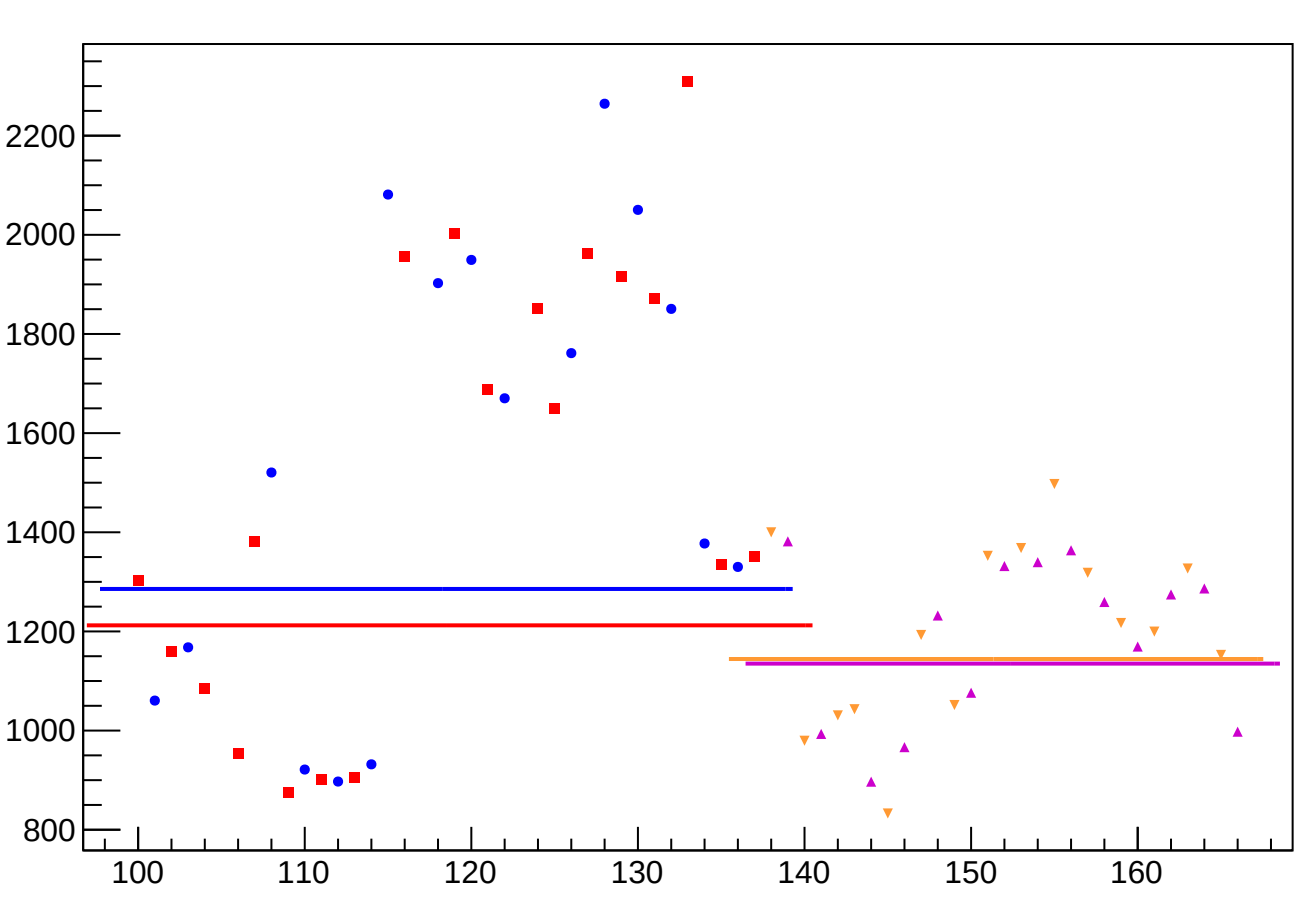
Left: -818.715+/-239.391 χ^2/NDF: 56.6/28

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 133.132+/-280.707 χ^2/NDF:32.7/29

Out: -906.457+/-274.452 χ^2/NDF:64.4/33

All: -398.374+/-196.241 χ^2/NDF: 104.1/63



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1135.087+/-0.240 χ^2/NDF:484087.2/13

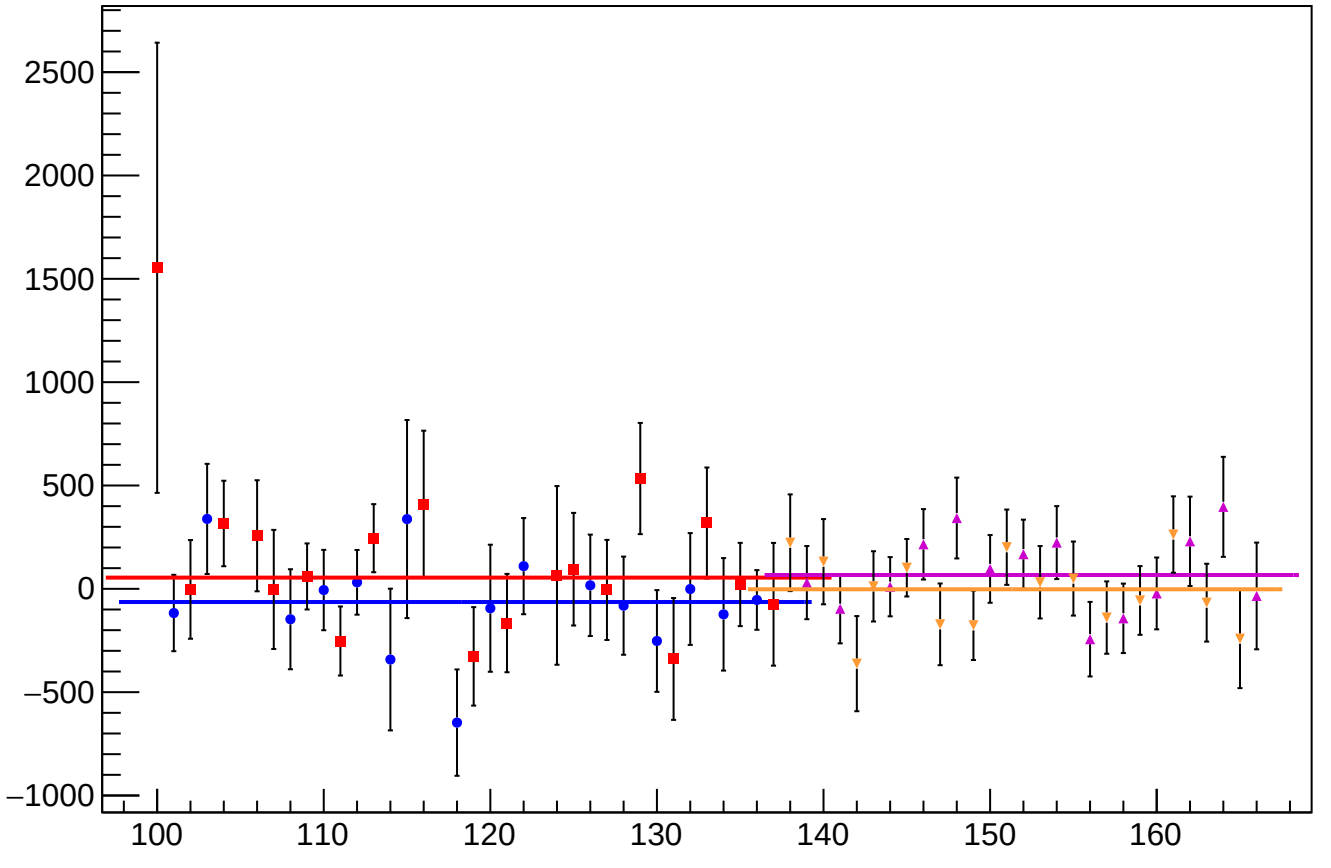
Left: 1139.742+/-0.169 χ^2/NDF: 1094889.3/28

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1182.284+/-0.198 χ^2/NDF:1778365.1/29

Out: 1167.601+/-0.194 χ^2/NDF:2038222.8/33

All: 1174.777+/-0.139 χ^2/NDF: 3819385.5/63



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.199+/-47.372 χ^2/NDF:11.4/14

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 66.897+/-47.950 χ^2/NDF:12.4/13

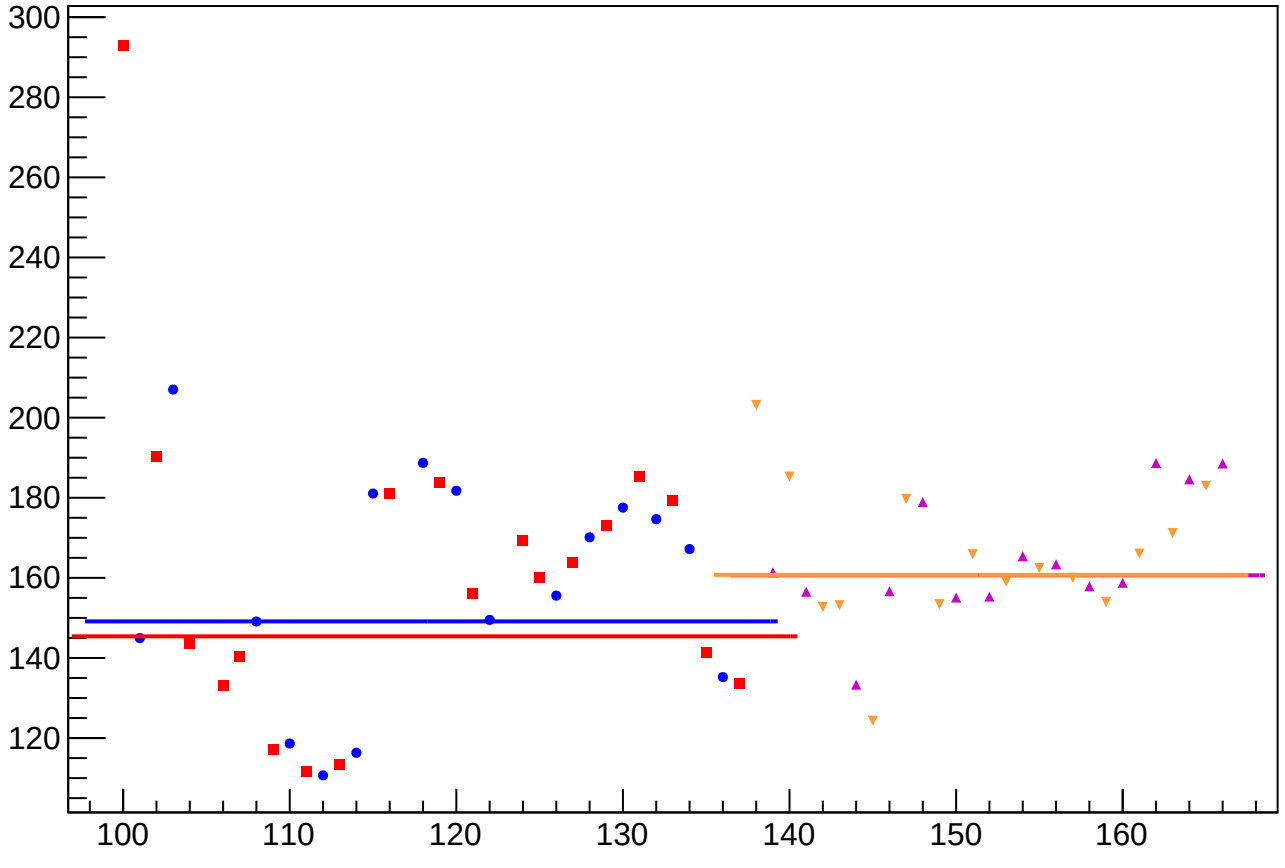
Left: 31.930+/-33.700 χ^2/NDF: 24.9/28

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 12.446+/-36.622 χ^2/NDF:26.4/29

Out: 21.996+/-35.822 χ^2/NDF:31.5/33

All: 17.326+/-25.608 χ^2/NDF: 57.9/63



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.750+/-0.033 χ^2/NDF:290255.4/14

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 160.636+/-0.034 χ^2/NDF:176092.2/13

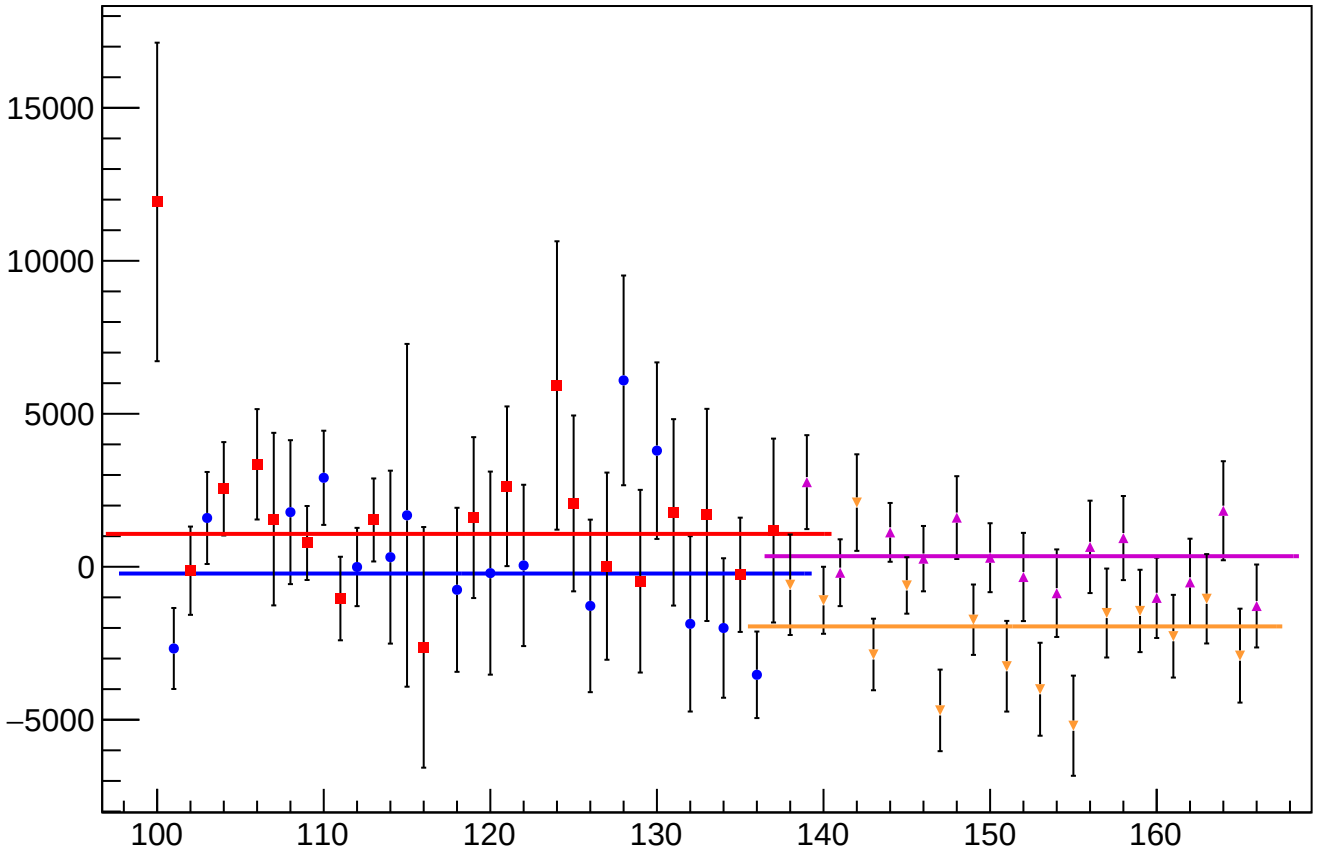
Left: 160.694+/-0.024 χ^2/NDF: 466353.3/28

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.842+/-0.026 χ^2/NDF:675082.5/29

Out: 154.177+/-0.025 χ^2/NDF:906004.8/33

All: 154.991+/-0.018 χ^2/NDF: 1583200.5/63



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1949.555+/-341.838 χ^2/NDF:22.5/14

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 345.390+/-343.174 χ^2/NDF:9.1/13

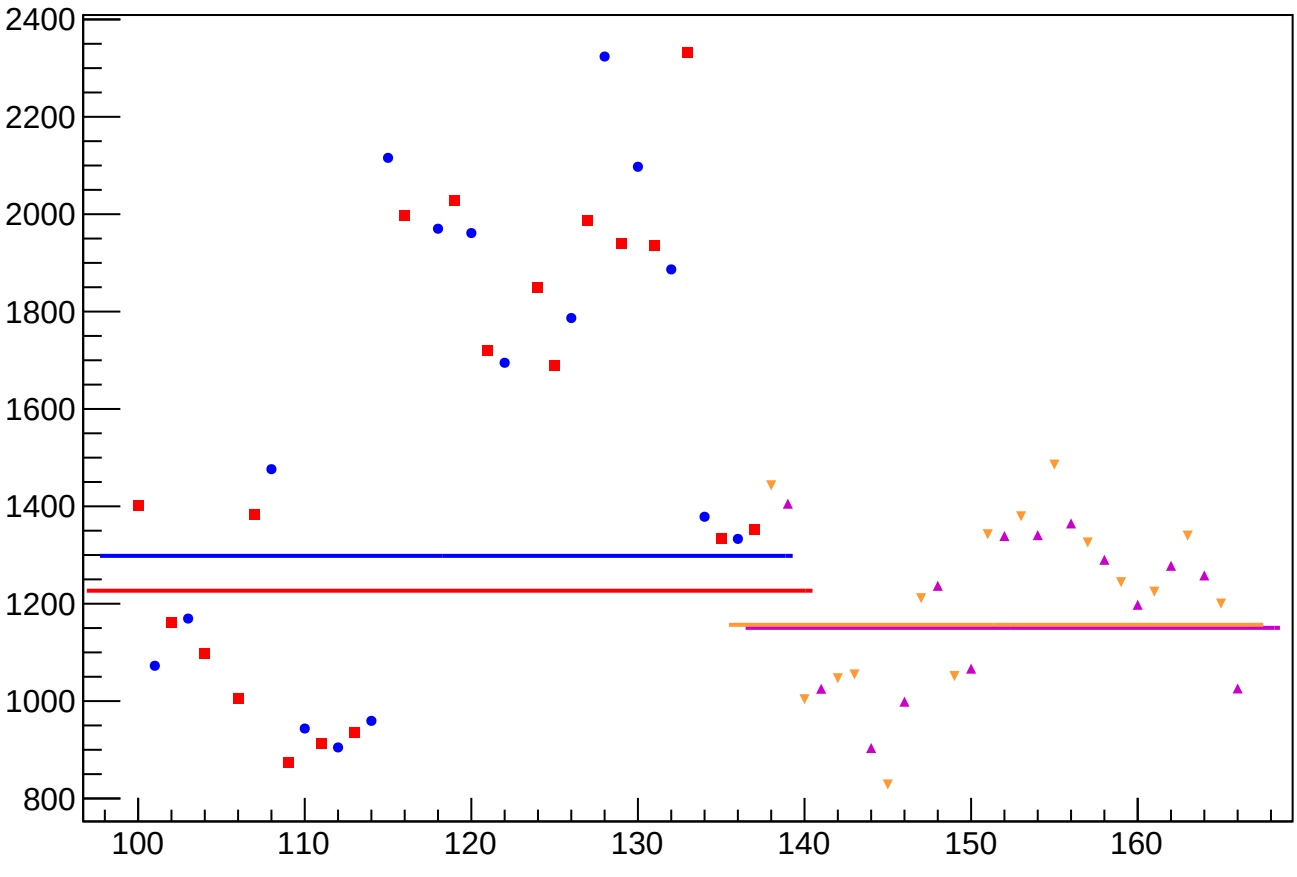
Left: -806.559+/-242.187 χ^2/NDF: 54.1/28

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 166.968+/-284.051 χ^2/NDF:31.9/29

Out: -911.501+/-277.021 χ^2/NDF:62.9/33

All: -385.779+/-198.322 χ^2/NDF: 102.2/63



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1156.685+/-0.242 χ^2/NDF:626406.5/14

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1150.454+/-0.243 χ^2/NDF:447740.2/13

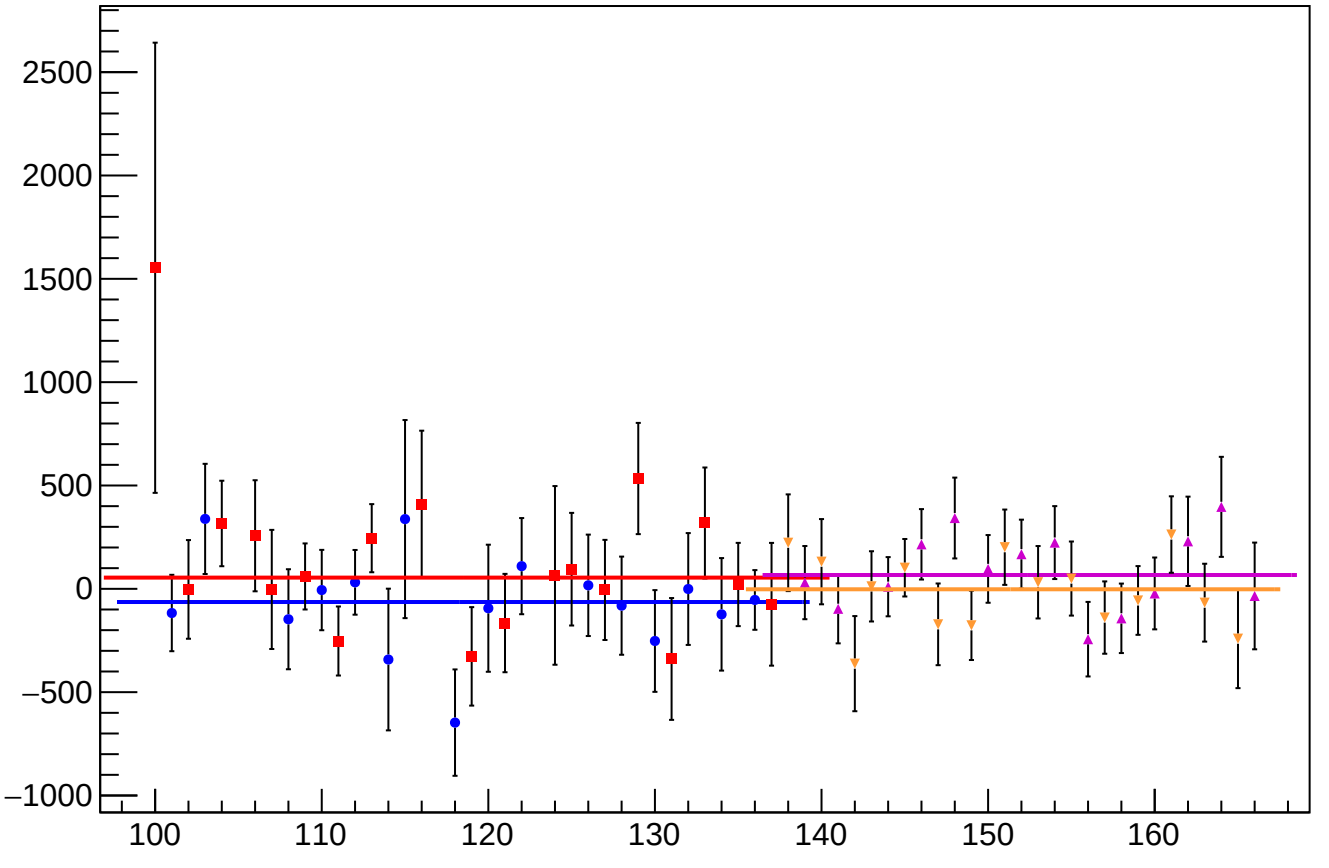
Left: 1153.582+/-0.171 χ^2/NDF: 1074477.6/28

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1197.006+/-0.201 χ^2/NDF:1746739.4/29

Out: 1180.729+/-0.196 χ^2/NDF:2059753.1/33

All: 1188.664+/-0.140 χ^2/NDF: 3809858.4/63



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.197+/-47.372 χ^2/NDF:11.4/14

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 66.897+/-47.950 χ^2/NDF:12.4/13

Left: 31.931+/-33.700 χ^2/NDF: 24.9/28

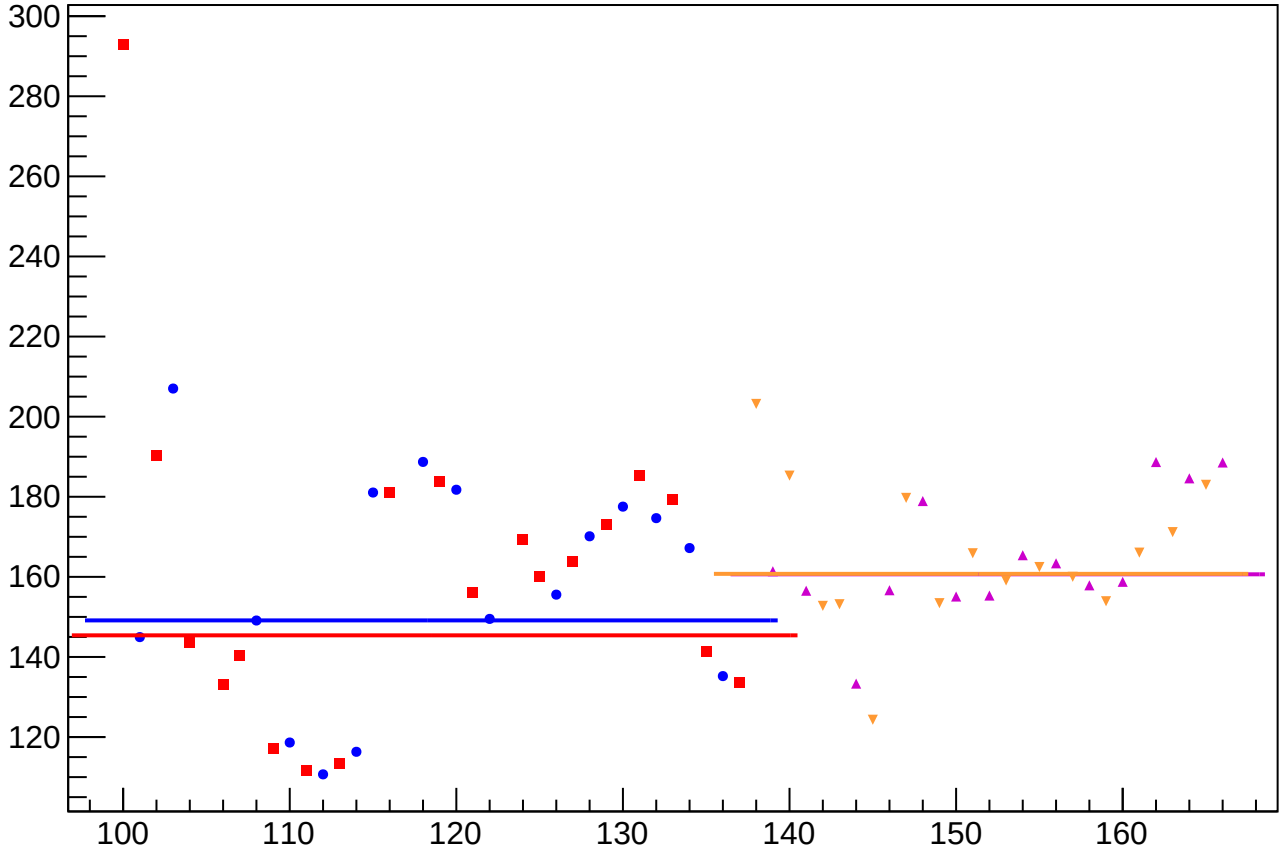
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 12.447+/-36.622 χ^2/NDF:26.4/29

Out: 21.997+/-35.822 χ^2/NDF:31.5/33

All: 17.327+/-25.608 χ^2/NDF: 57.9/63

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.751+/-0.033 χ^2/NDF:290250.1/14

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 160.637+/-0.034 χ^2/NDF:176090.1/13

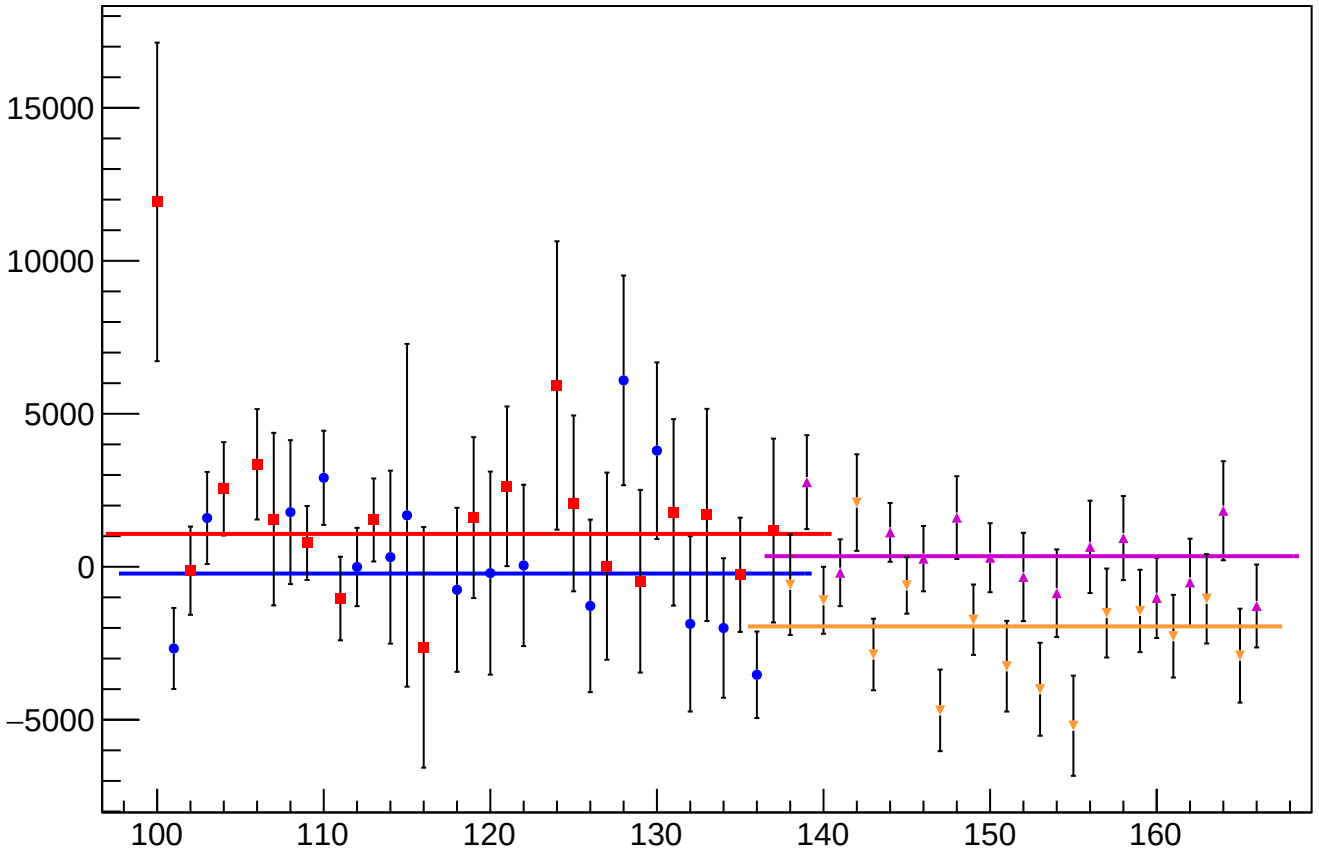
Left: 160.694+/-0.024 χ^2/NDF: 466345.9/28

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 155.842+/-0.026 χ^2/NDF:675084.8/29

Out: 154.177+/-0.025 χ^2/NDF:906006.8/33

All: 154.991+/-0.018 χ^2/NDF: 1583204.7/63



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1949.552+/-341.837 χ^2/NDF:22.5/14

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 345.389+/-343.174 χ^2/NDF:9.1/13

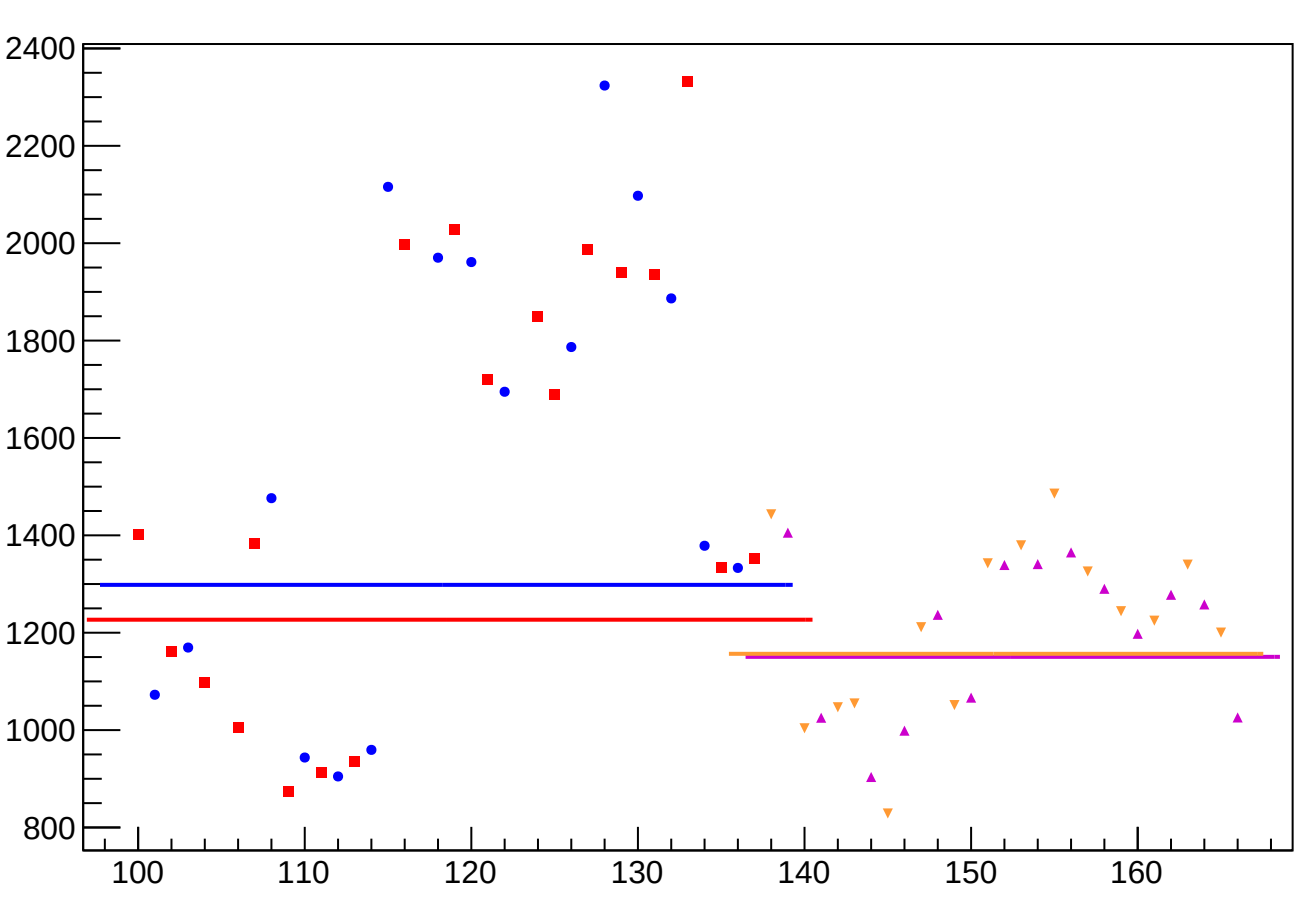
Left: -806.558+/-242.187 χ^2/NDF: 54.1/28

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

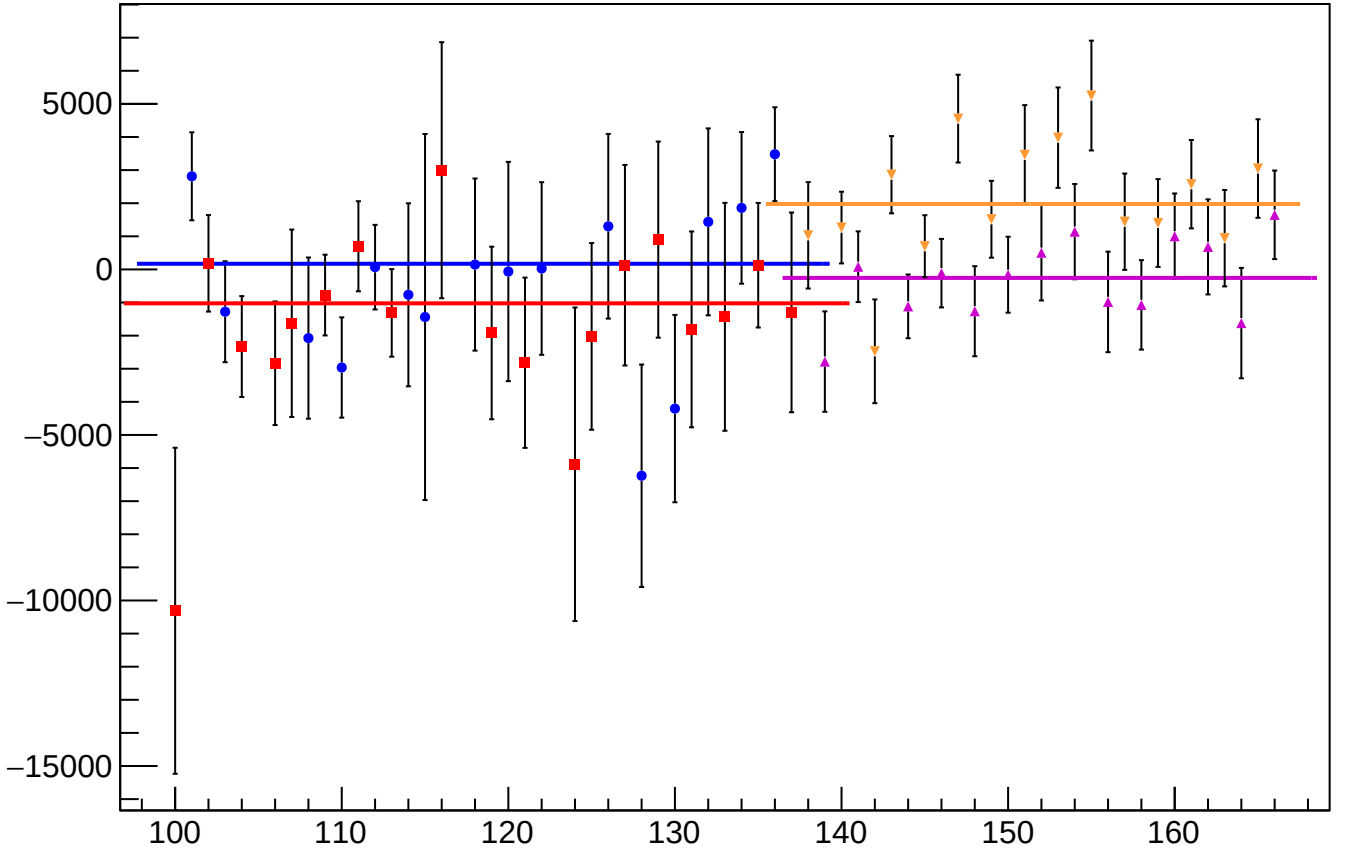
In: 166.968+/-284.051 χ^2/NDF:31.9/29

Out: -911.500+/-277.020 χ^2/NDF:62.9/33

All: -385.778+/-198.322 χ^2/NDF: 102.2/63


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1156.683+/-0.242 χ²/NDF:626409.3/14
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1150.453+/-0.243 χ²/NDF:447739.4/13
Left: 1153.580+/-0.171 χ²/NDF: 1074479.6/28
Right: 1260.072+/-0.244 χ²/NDF: 2608000.5/34
In: 1197.005+/-0.201 χ²/NDF:1746742.8/29
Out: 1180.728+/-0.196 χ²/NDF:2059759.0/33
All: 1188.662+/-0.140 χ²/NDF: 3809867.7/63

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1977.339+/-340.981 χ^2/NDF:23.4/14

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -256.511+/-341.515 χ^2/NDF:10.1/13

Left: 862.163+/-241.298 χ^2/NDF: 55.0/28

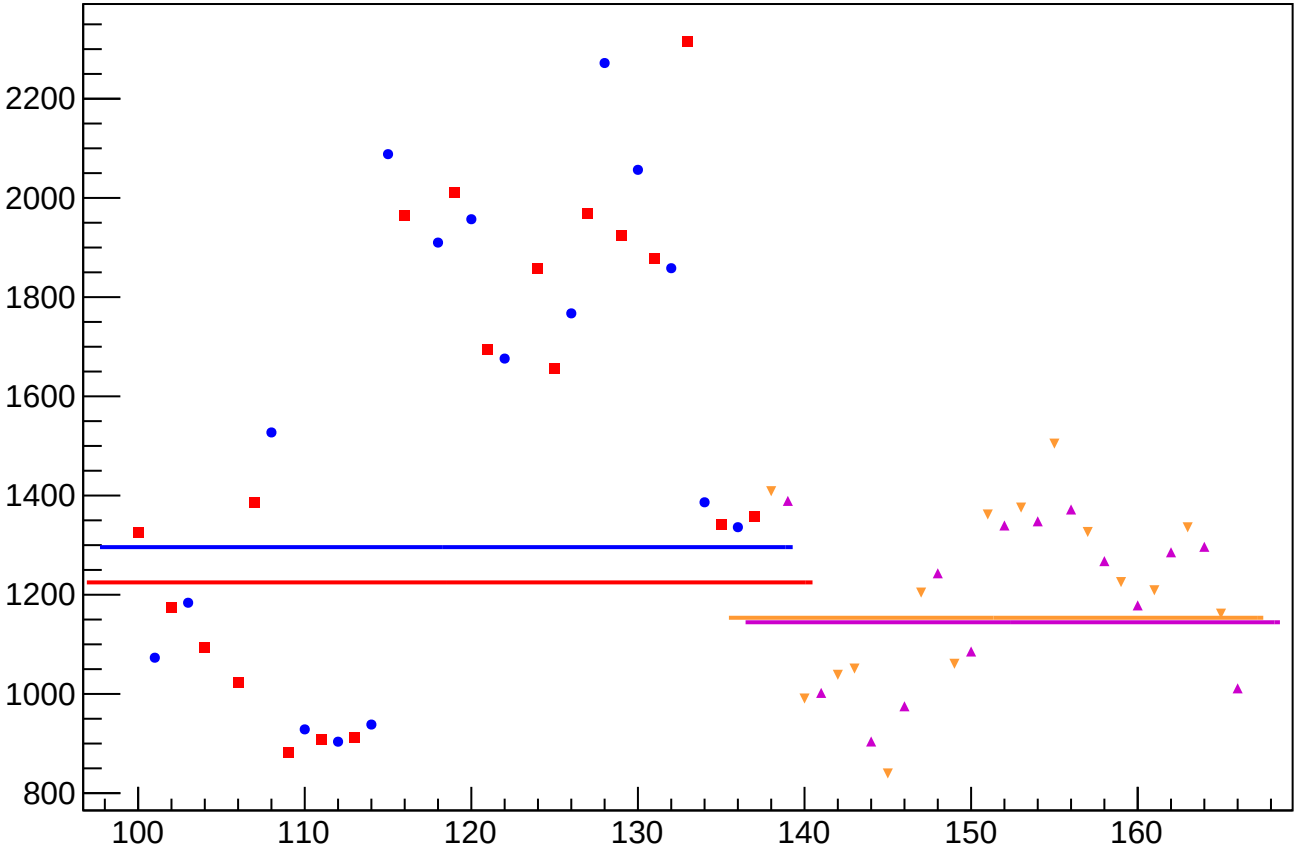
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -122.383+/-282.922 χ^2/NDF:33.2/29

Out: 948.246+/-276.402 χ^2/NDF:61.5/33

All: 425.410+/-197.711 χ^2/NDF: 102.0/63

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.596+/-0.241 χ^2/NDF:601970.8/14

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1144.515+/-0.241 χ^2/NDF:477010.3/13

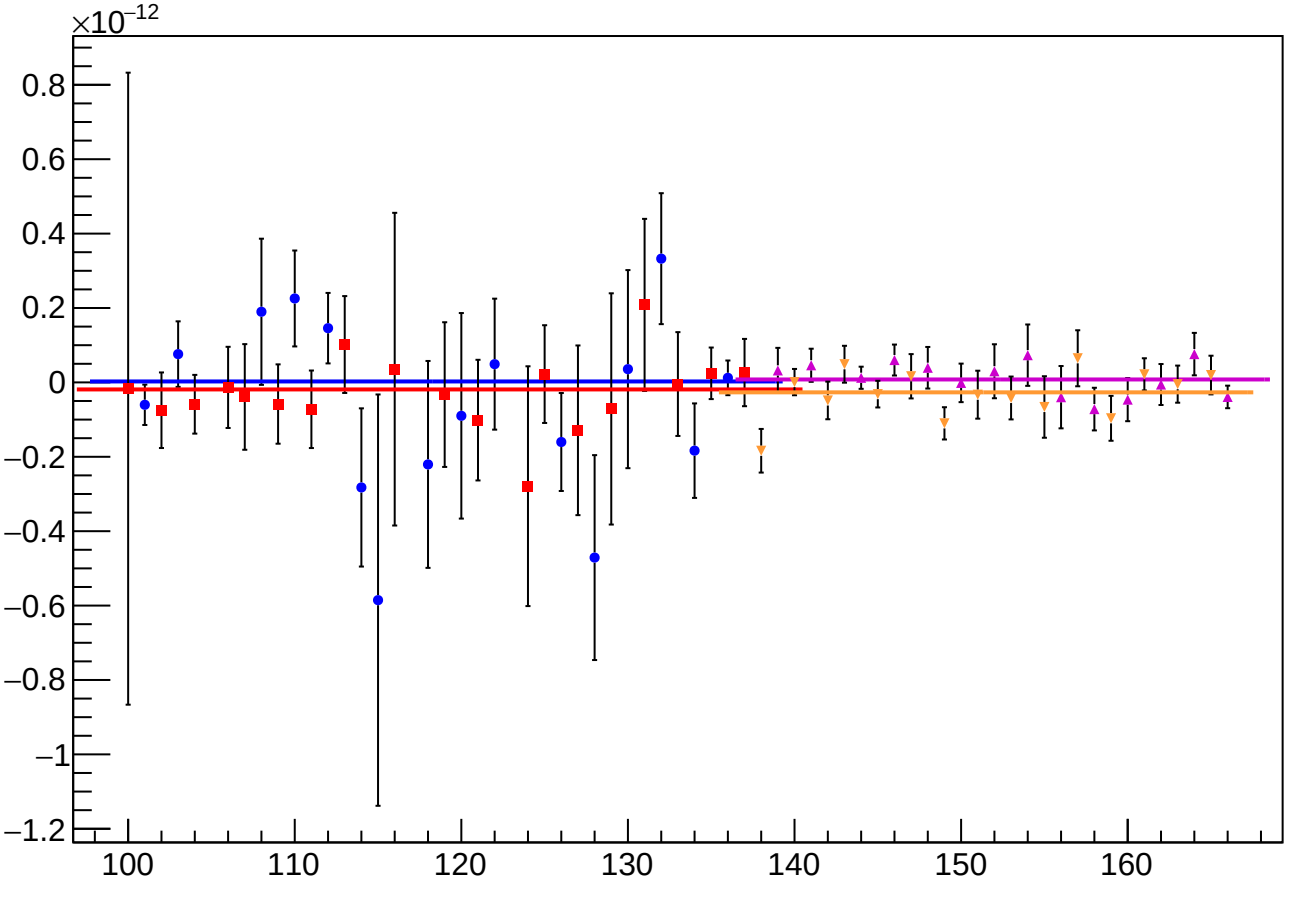
Left: 1149.062+/-0.171 χ^2/NDF: 1079689.4/28

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1192.032+/-0.200 χ^2/NDF:1754618.7/29

Out: 1178.037+/-0.195 χ^2/NDF:2003222.7/33

All: 1184.871+/-0.140 χ^2/NDF: 3760345.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/13

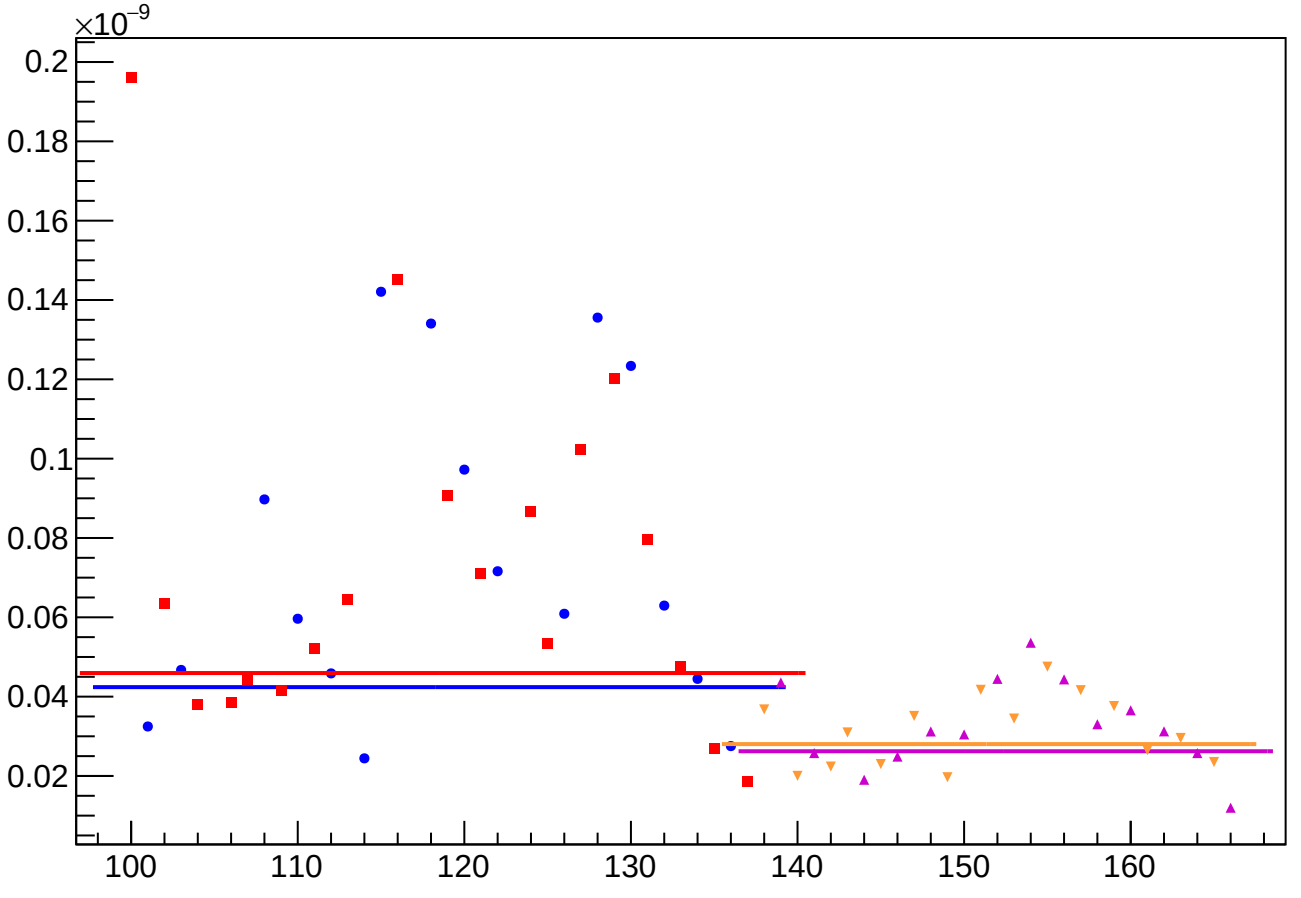
Left: -0.000+/-0.000 χ^2/NDF: 34.0/28

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:32.8/29

Out: -0.000+/-0.000 χ^2/NDF:24.7/33

All: -0.000+/-0.000 χ^2/NDF: 61.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:683143.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1301722.1/13

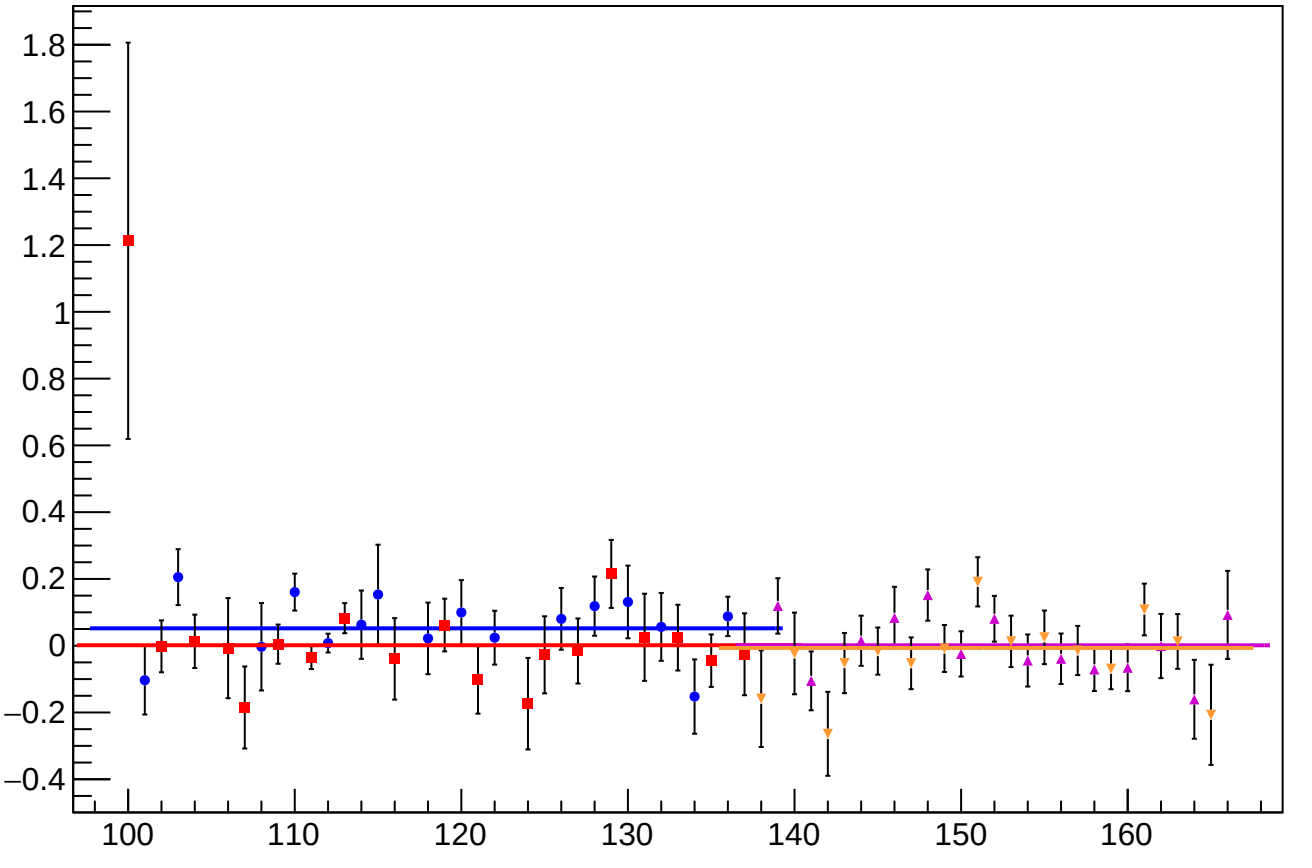
Left: 0.000+/-0.000 χ^2/NDF: 2004182.5/28

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3232069.8/29

Out: 0.000+/-0.000 χ^2/NDF:2442006.1/33

All: 0.000+/-0.000 χ^2/NDF: 5696791.0/63



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

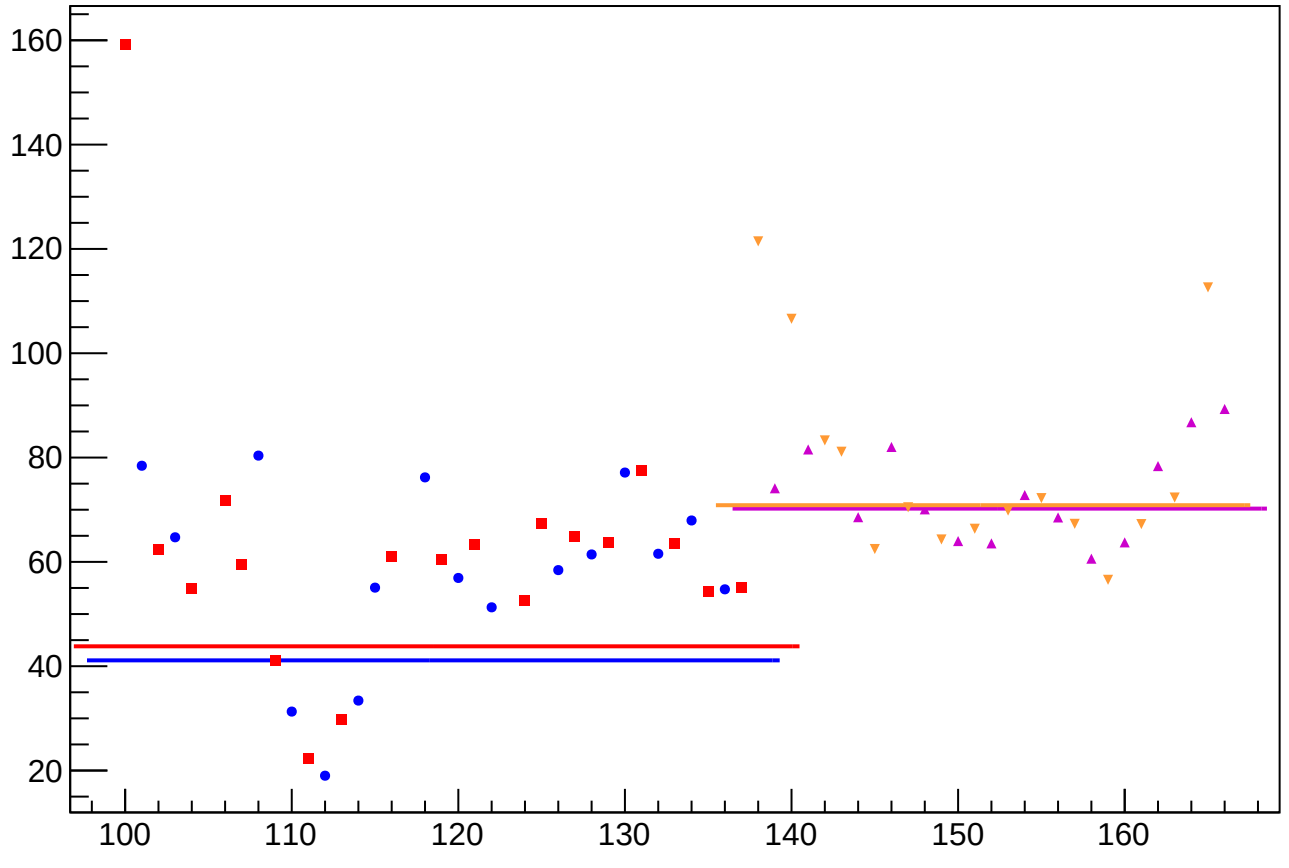
Left: -0.003+/-0.015 χ^2/NDF: 33.3/28

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.015+/-0.010 χ^2/NDF: 76.8/63



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.213+/-0.015 χ^2/NDF:266275.2/13

Left: 70.540+/-0.011 χ^2/NDF: 1055101.8/28

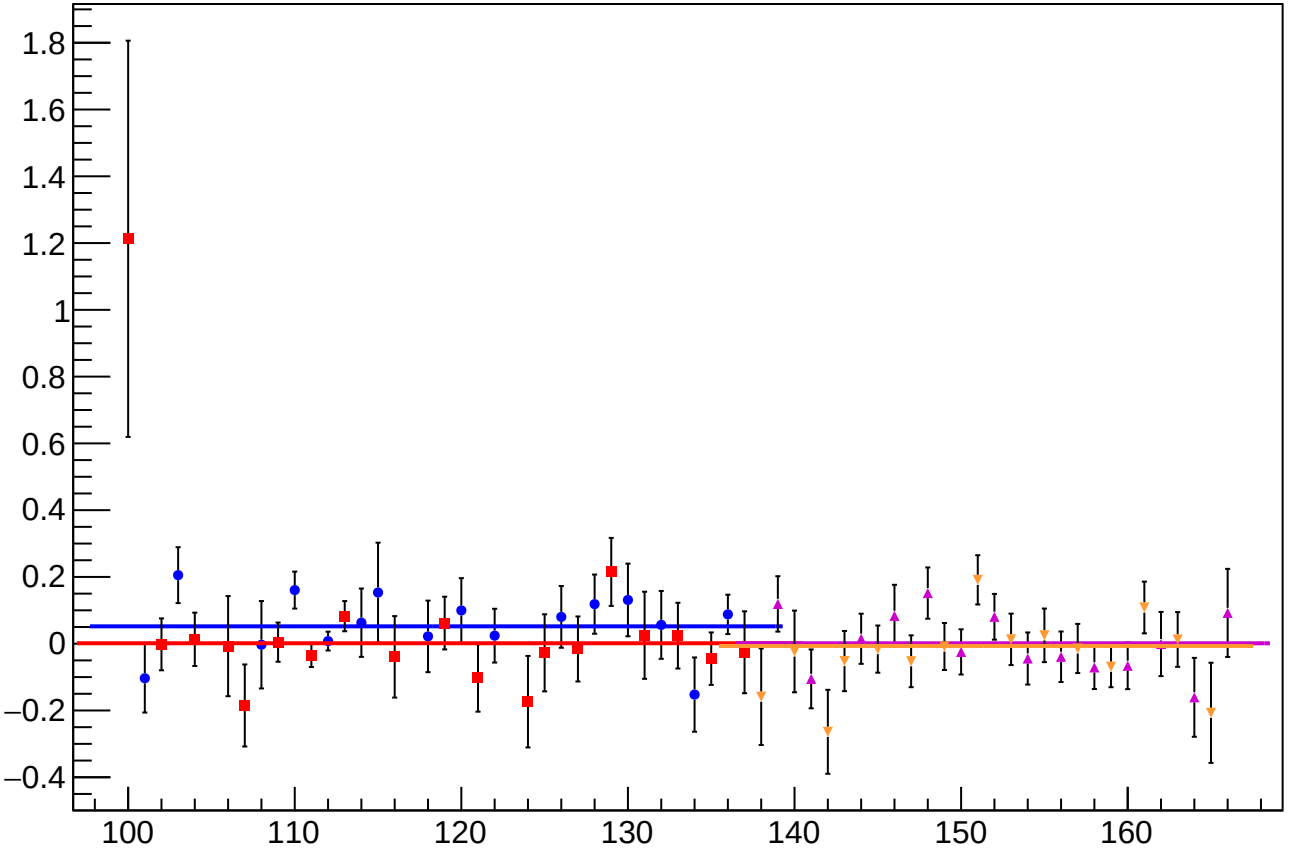
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.999+/-0.010 χ^2/NDF:5379918.6/29

Out: 54.979+/-0.010 χ^2/NDF:4715954.2/33

All: 53.984+/-0.007 χ^2/NDF: 10116740.5/63

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

Left: -0.003+/-0.015 χ^2/NDF: 33.3/28

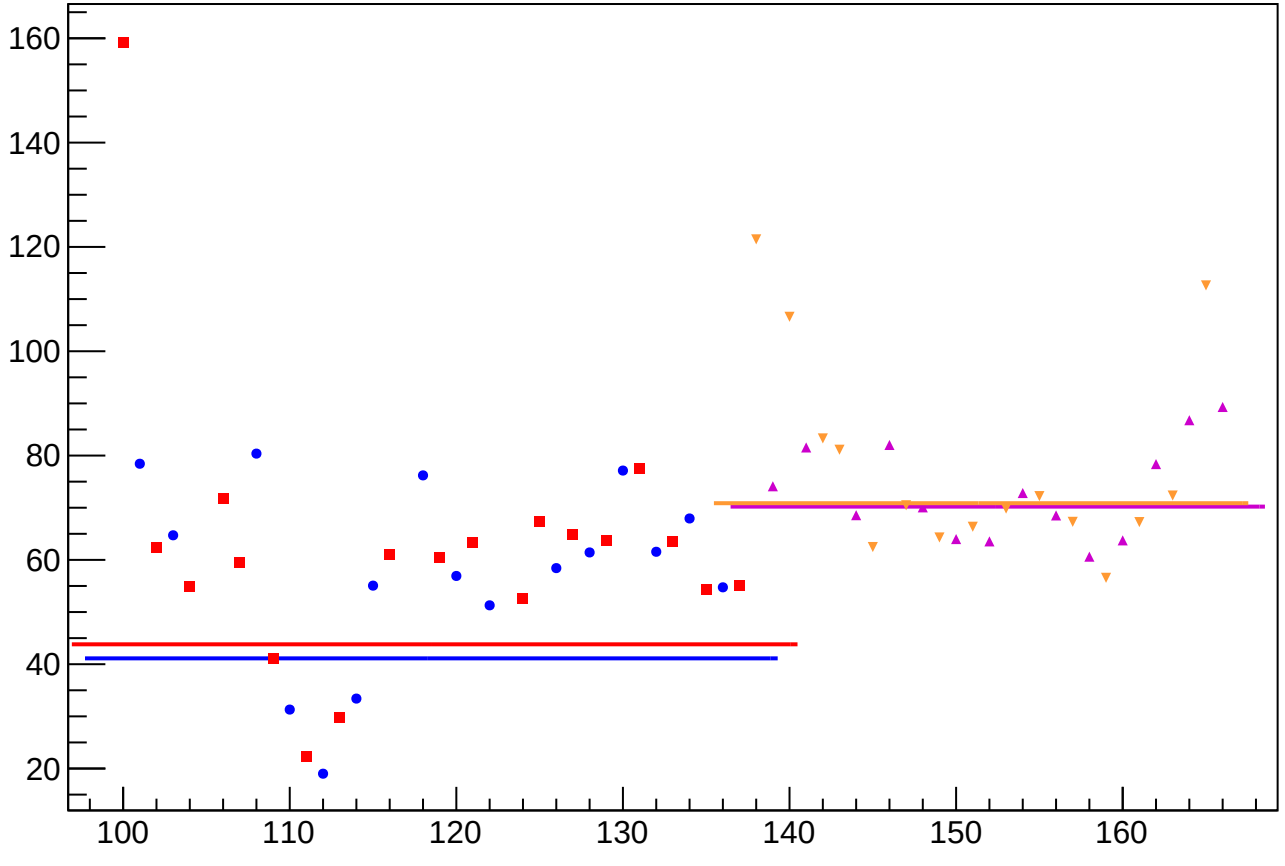
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.015+/-0.010 χ^2/NDF: 76.8/63

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.213+/-0.015 χ^2/NDF:266275.2/13

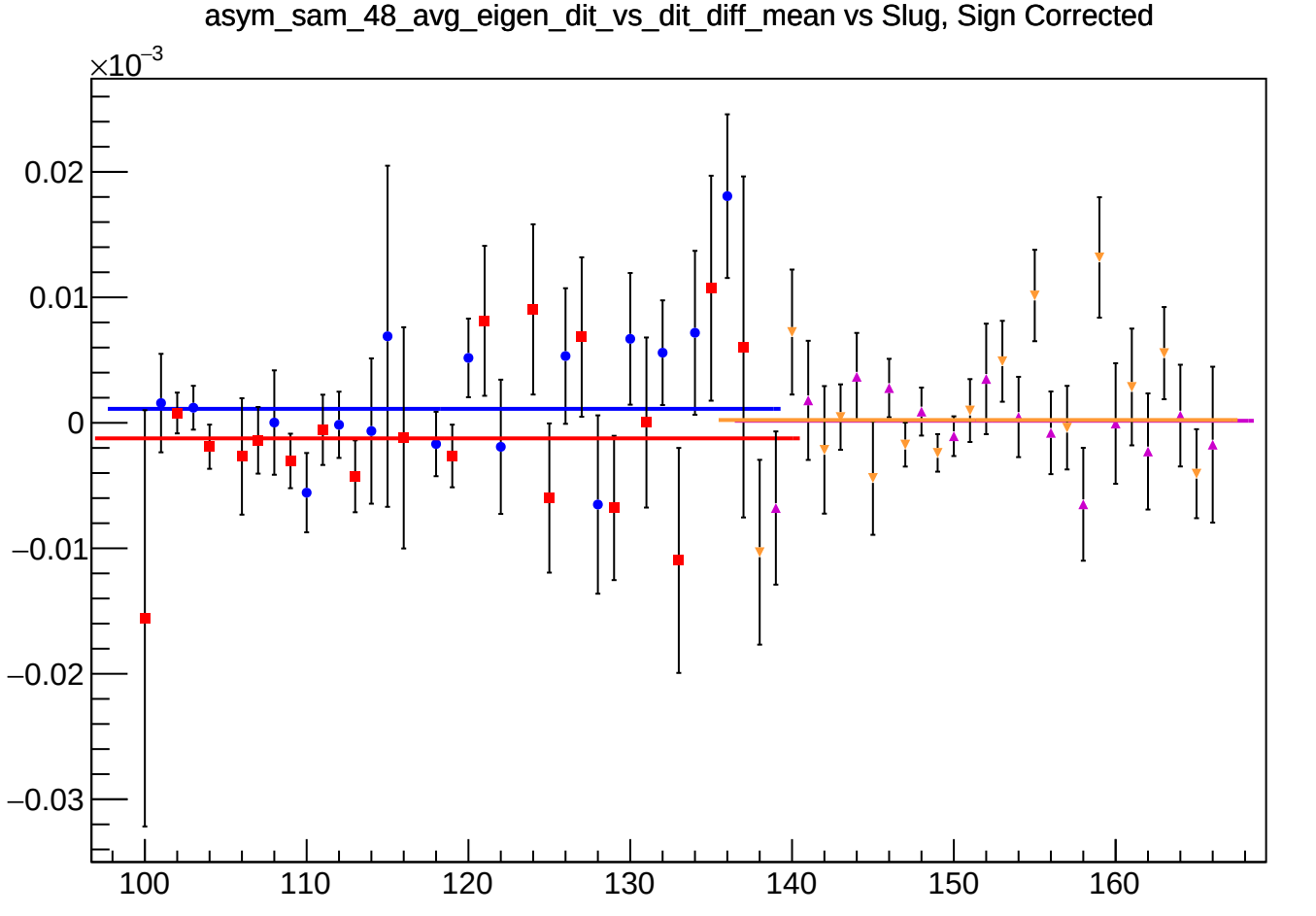
Left: 70.540+/-0.011 χ^2/NDF: 1055101.8/28

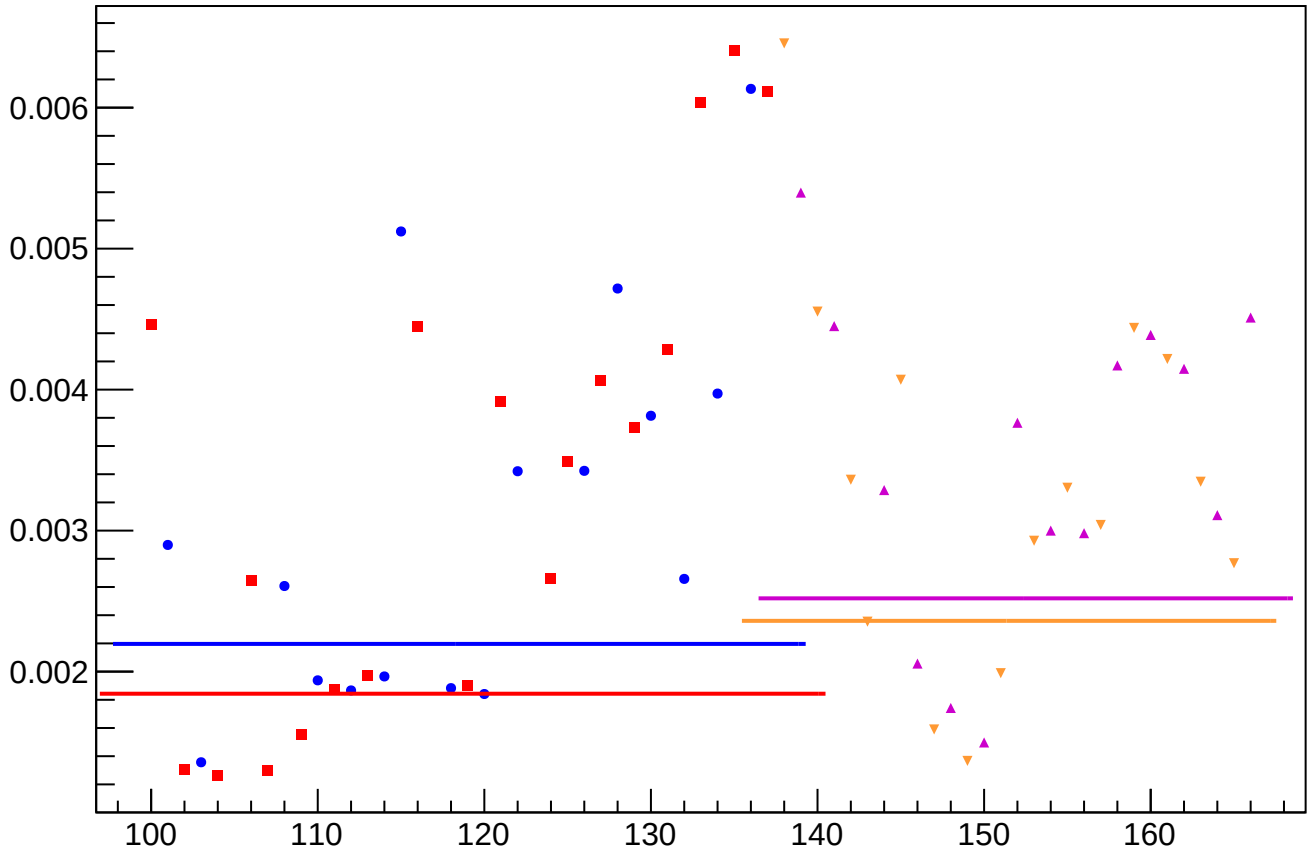
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.999+/-0.010 χ^2/NDF:5379918.6/29

Out: 54.979+/-0.010 χ^2/NDF:4715954.2/33

All: 53.984+/-0.007 χ^2/NDF: 10116740.5/63


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:30.4/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.7/13
Left: 0.000+/-0.000 χ²/NDF: 38.1/28
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:28.2/29
Out: -0.000+/-0.000 χ²/NDF:48.2/33
All: -0.000+/-0.000 χ²/NDF: 78.2/63



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3826411.1/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:3427449.6/13

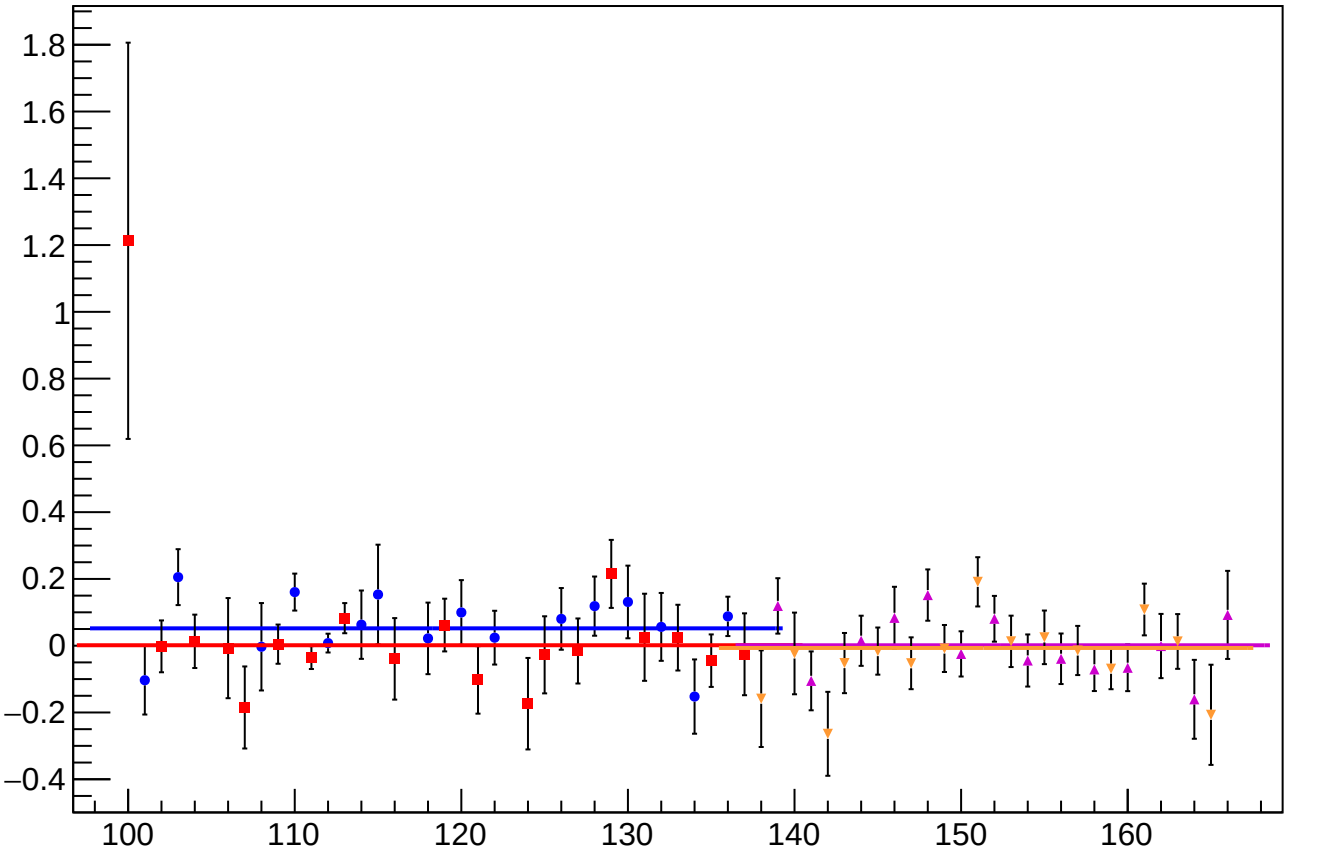
Left: 0.002+/-0.000 χ^2/NDF: 7294423.6/28

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5859460.9/29

Out: 0.002+/-0.000 χ^2/NDF:7423987.0/33

All: 0.002+/-0.000 χ^2/NDF: 13505291.6/63



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

Left: -0.003+/-0.015 χ^2/NDF: 33.3/28

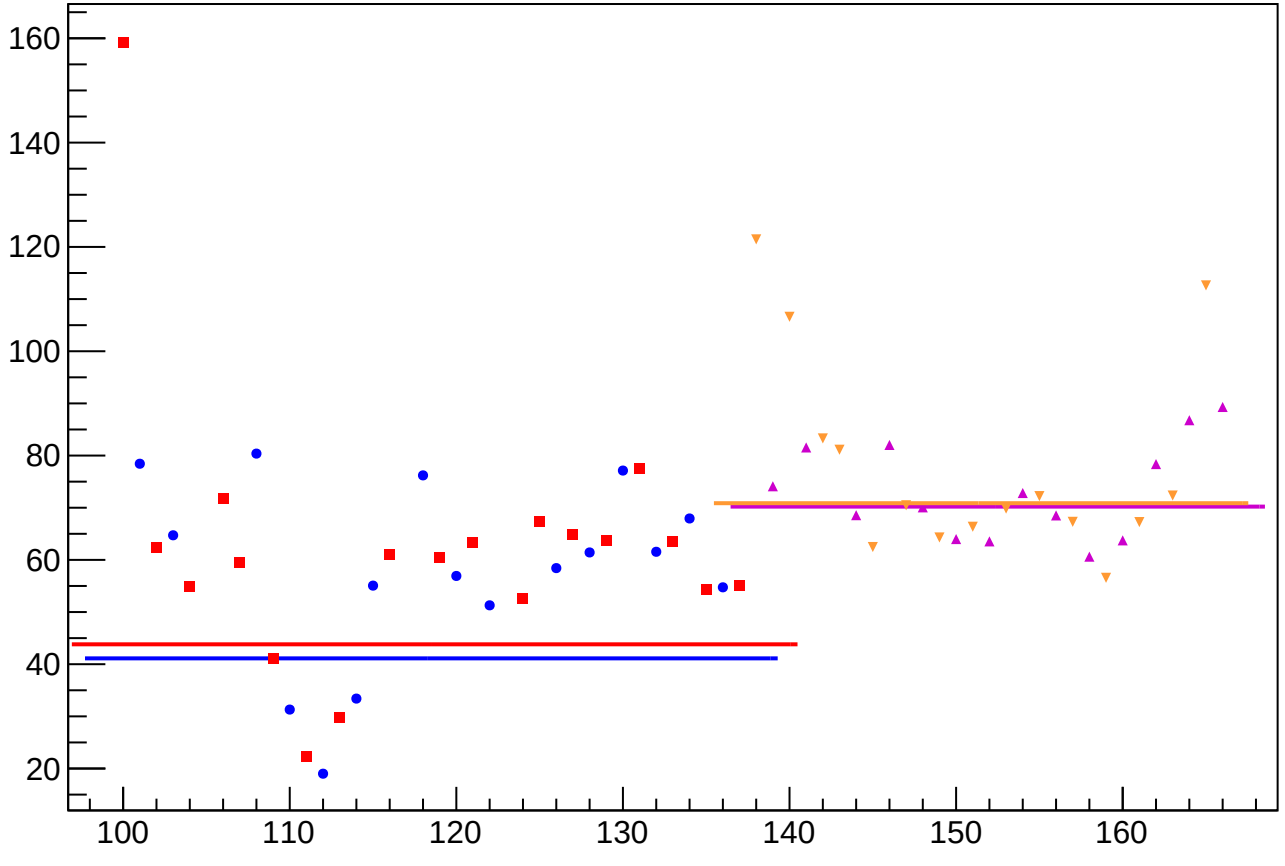
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.015+/-0.010 χ^2/NDF: 76.8/63

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.867+/-0.015 χ^2/NDF:787875.4/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.214+/-0.015 χ^2/NDF:266271.8/13

Left: 70.541+/-0.011 χ^2/NDF: 1055079.5/28

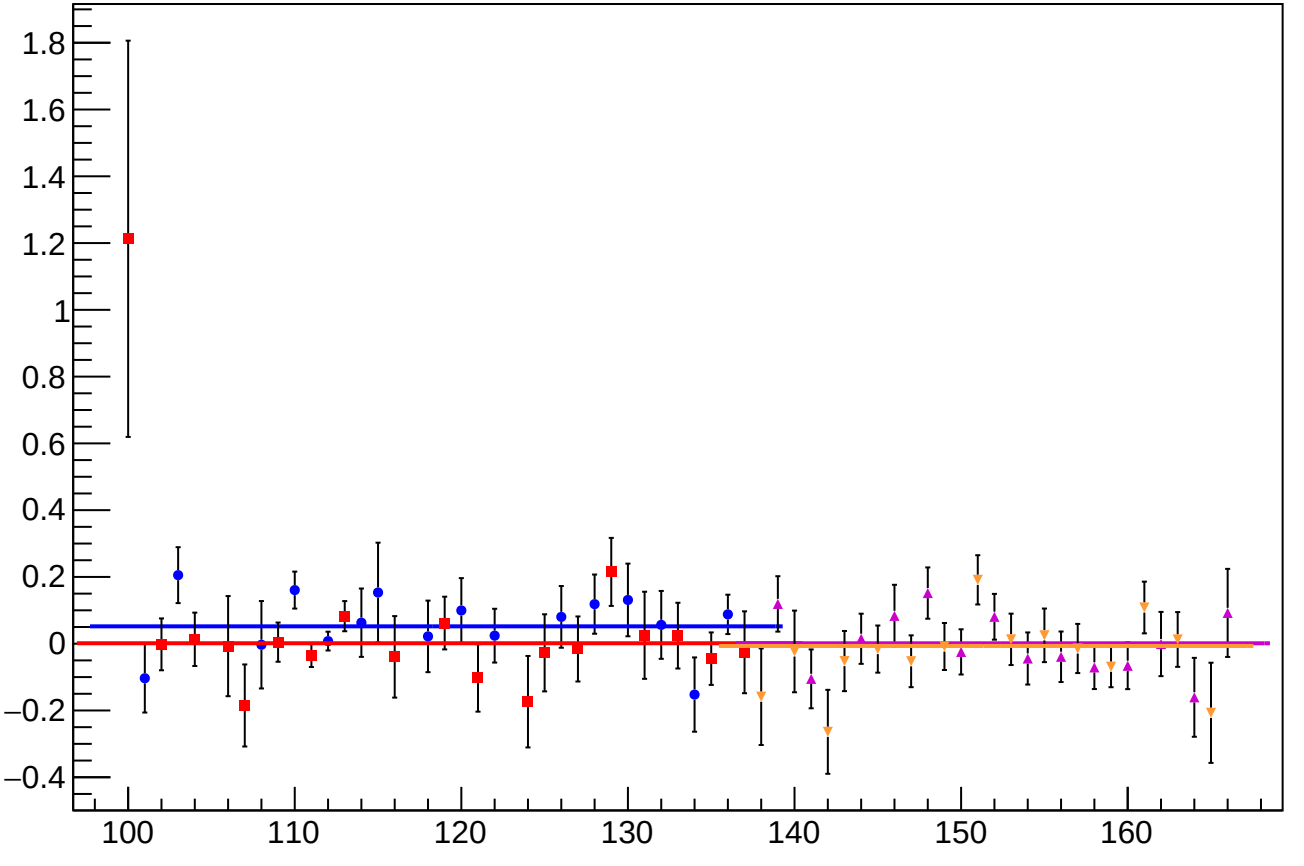
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.998+/-0.010 χ^2/NDF:5380323.7/29

Out: 54.978+/-0.010 χ^2/NDF:4716339.1/33

All: 53.983+/-0.007 χ^2/NDF: 10117532.3/63

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.021 χ^2/NDF:14.8/13

Left: -0.003+/-0.015 χ^2/NDF: 33.3/28

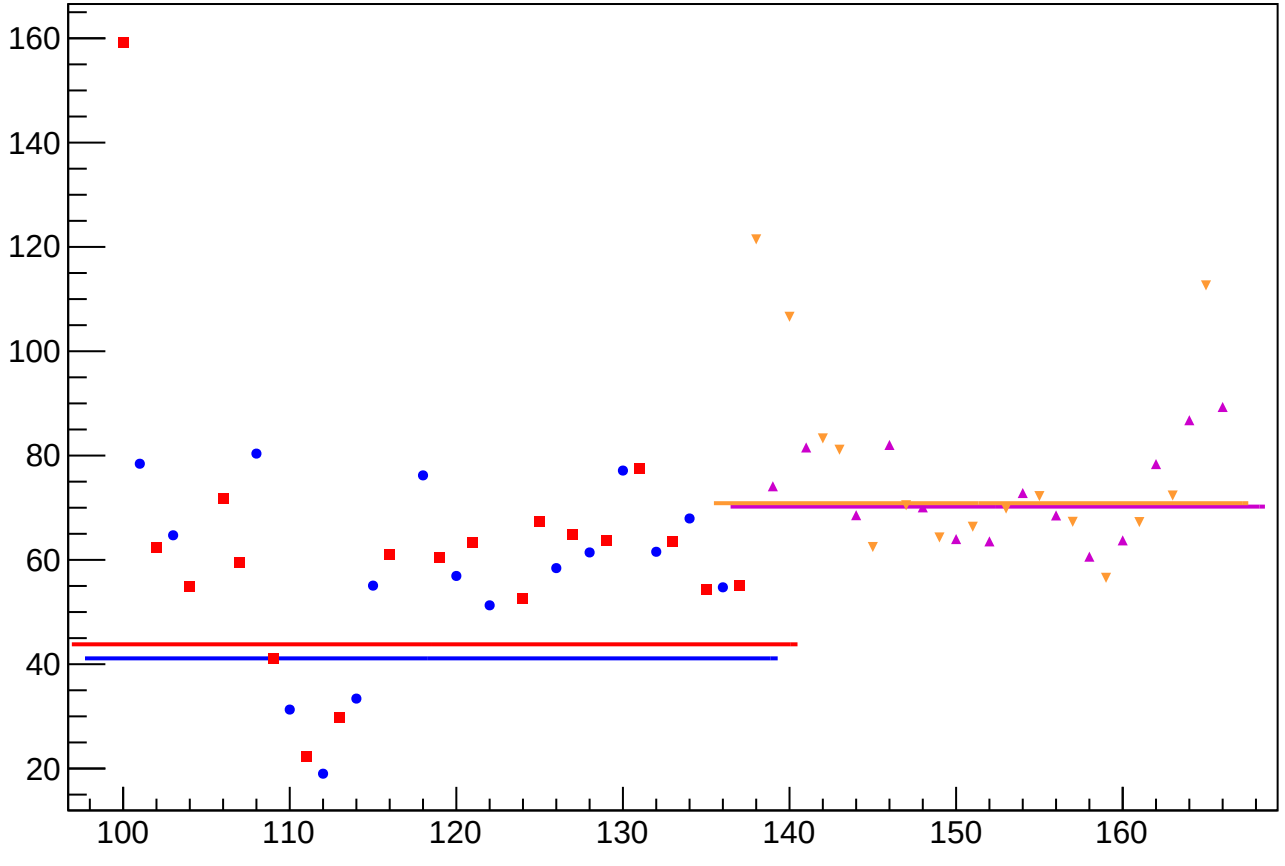
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:36.1/29

Out: -0.002+/-0.014 χ^2/NDF:37.8/33

All: 0.015+/-0.010 χ^2/NDF: 76.8/63

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.867+/-0.015 χ^2/NDF:787875.4/14

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.214+/-0.015 χ^2/NDF:266271.8/13

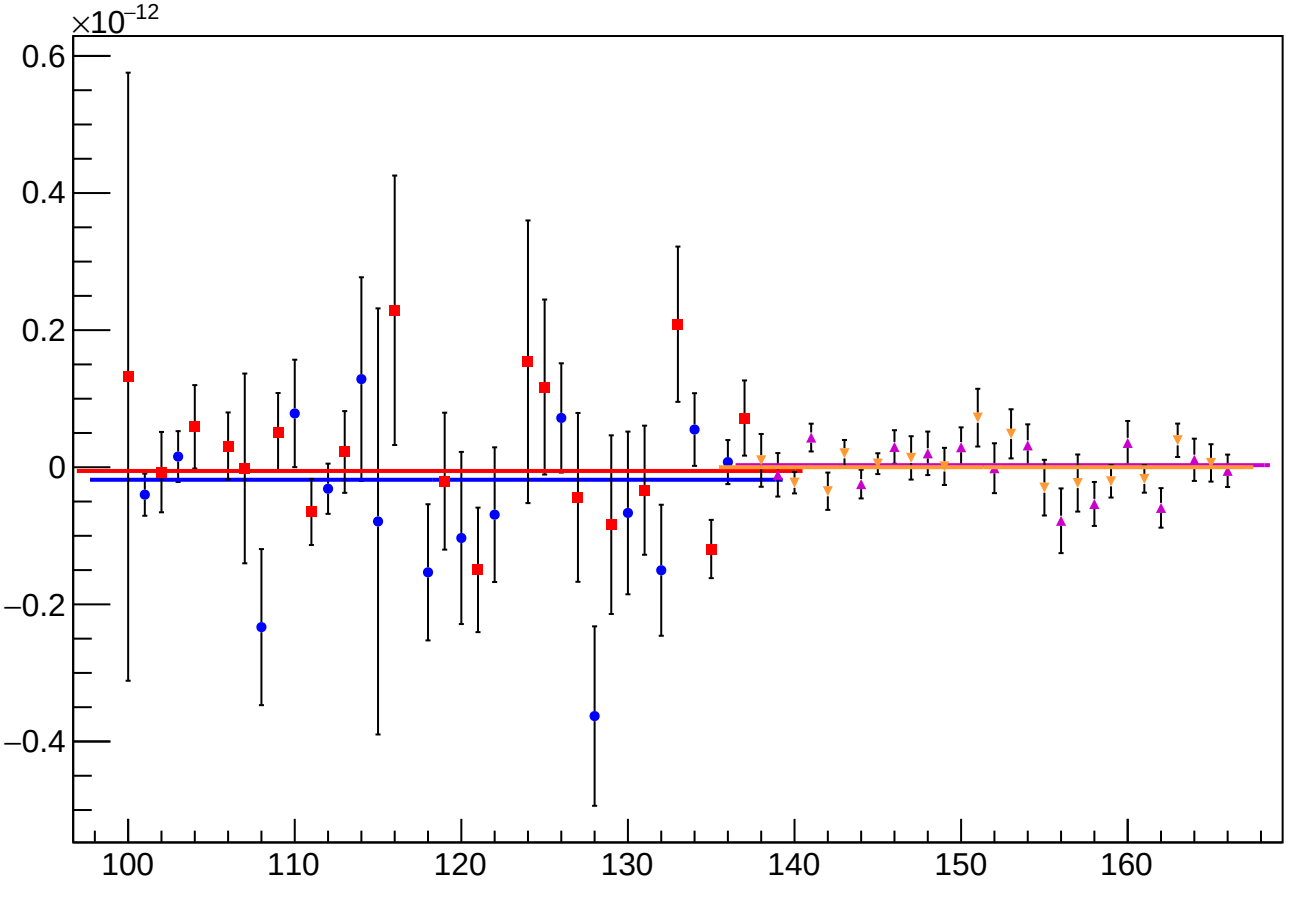
Left: 70.541+/-0.011 χ^2/NDF: 1055079.5/28

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.998+/-0.010 χ^2/NDF:5380323.7/29

Out: 54.978+/-0.010 χ^2/NDF:4716339.1/33

All: 53.983+/-0.007 χ^2/NDF: 10117532.3/63



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/13

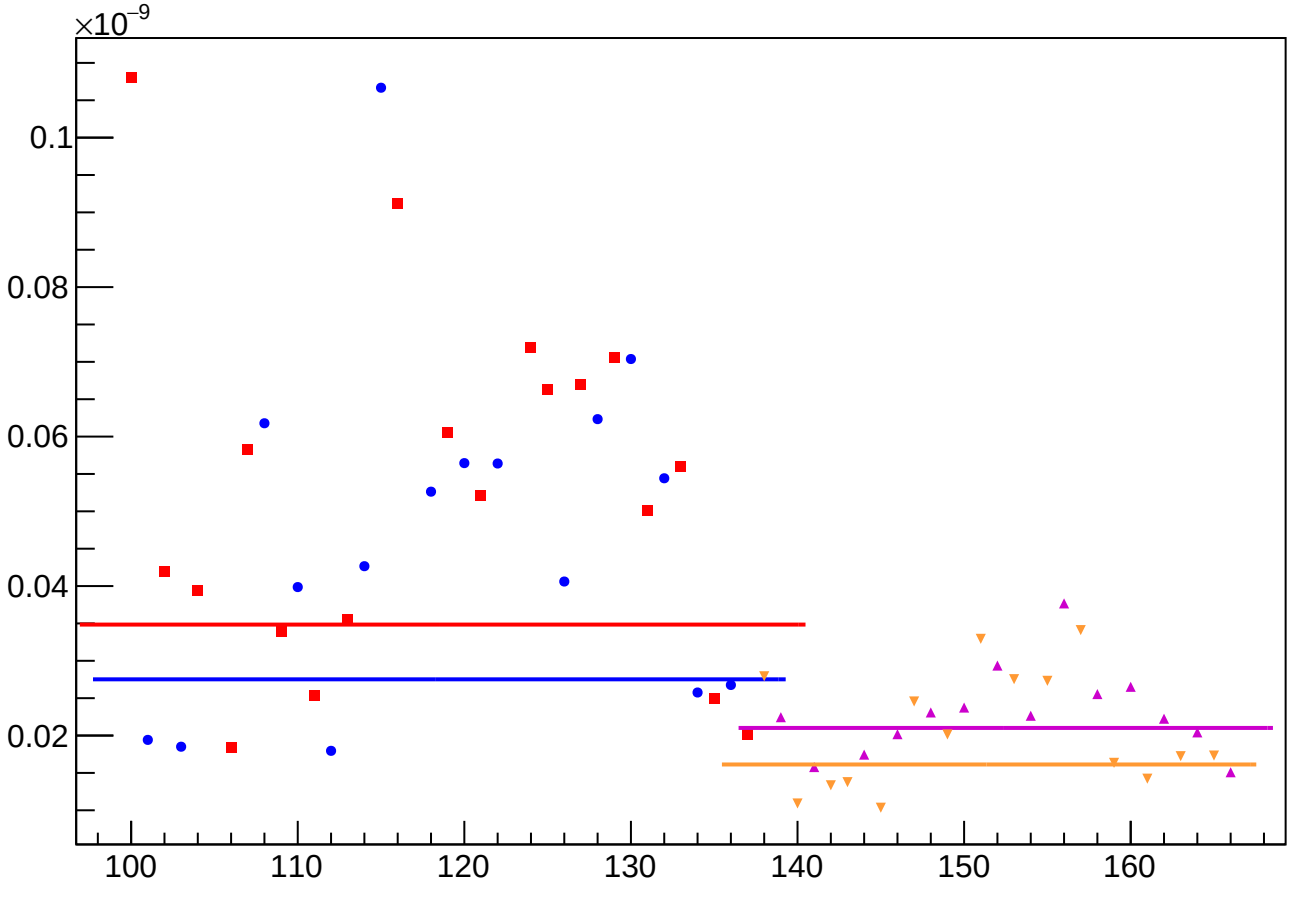
Left: 0.000+/-0.000 χ^2/NDF: 36.1/28

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:45.7/29

Out: -0.000+/-0.000 χ^2/NDF:38.4/33

All: -0.000+/-0.000 χ^2/NDF: 84.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009519.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:813800.1/13

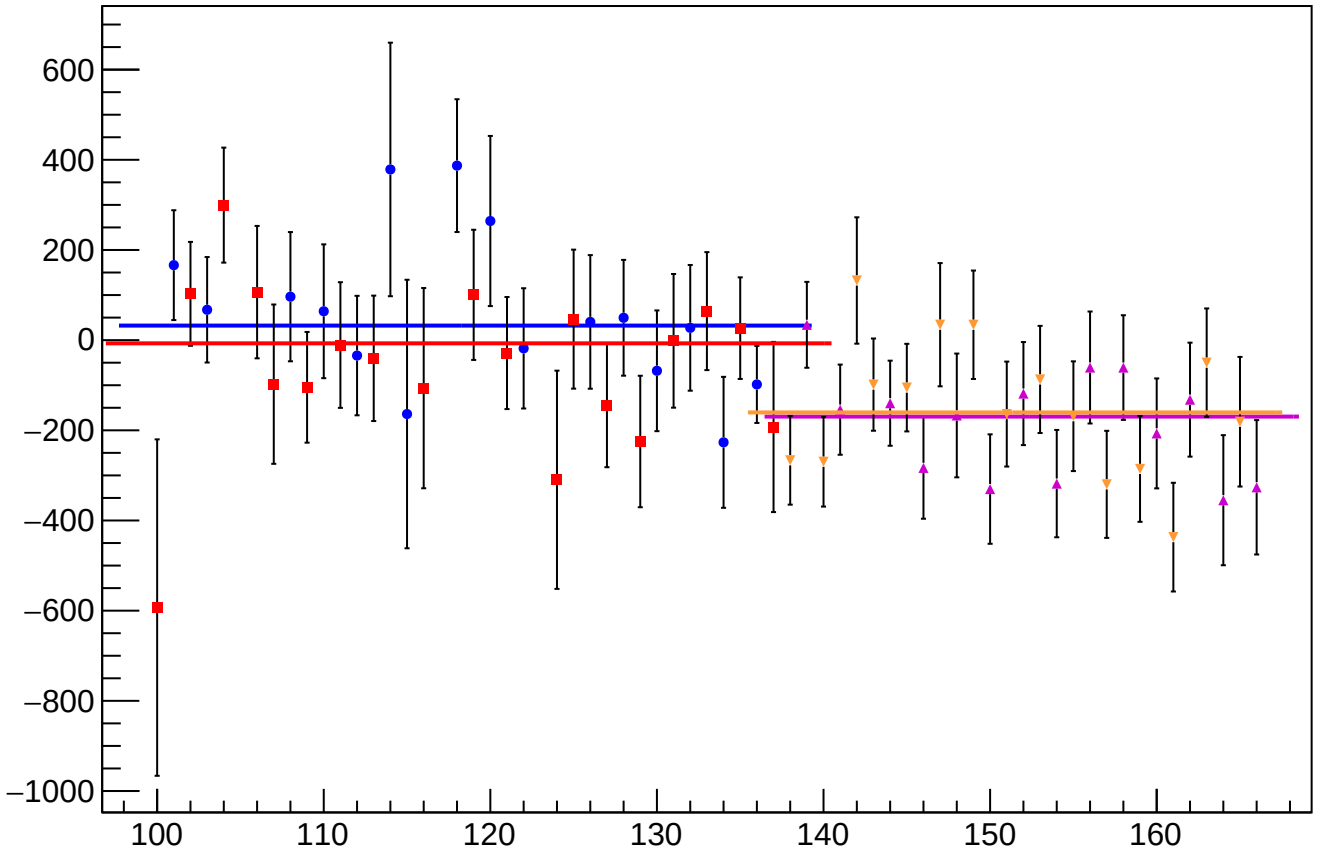
Left: 0.000+/-0.000 χ^2/NDF: 3323384.4/28

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2934230.1/29

Out: 0.000+/-0.000 χ^2/NDF:5888996.1/33

All: 0.000+/-0.000 χ^2/NDF: 9218734.6/63



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.311+/-29.860 χ^2/NDF:21.5/14

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -169.541+/-31.140 χ^2/NDF:13.8/13

Left: -164.733+/-21.552 χ^2/NDF: 35.4/28

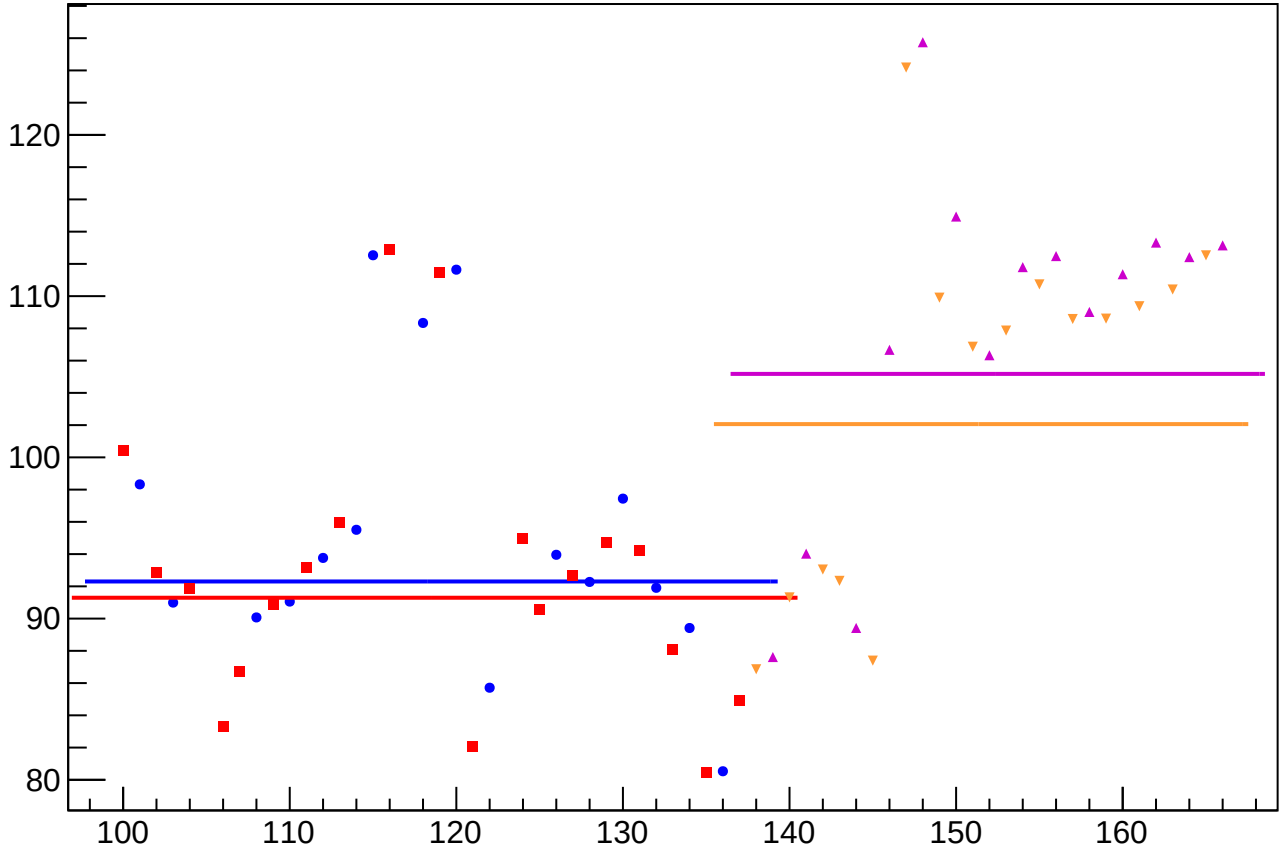
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -78.720+/-23.095 χ^2/NDF:50.0/29

Out: -92.285+/-22.267 χ^2/NDF:51.0/33

All: -85.750+/-16.030 χ^2/NDF: 101.2/63

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

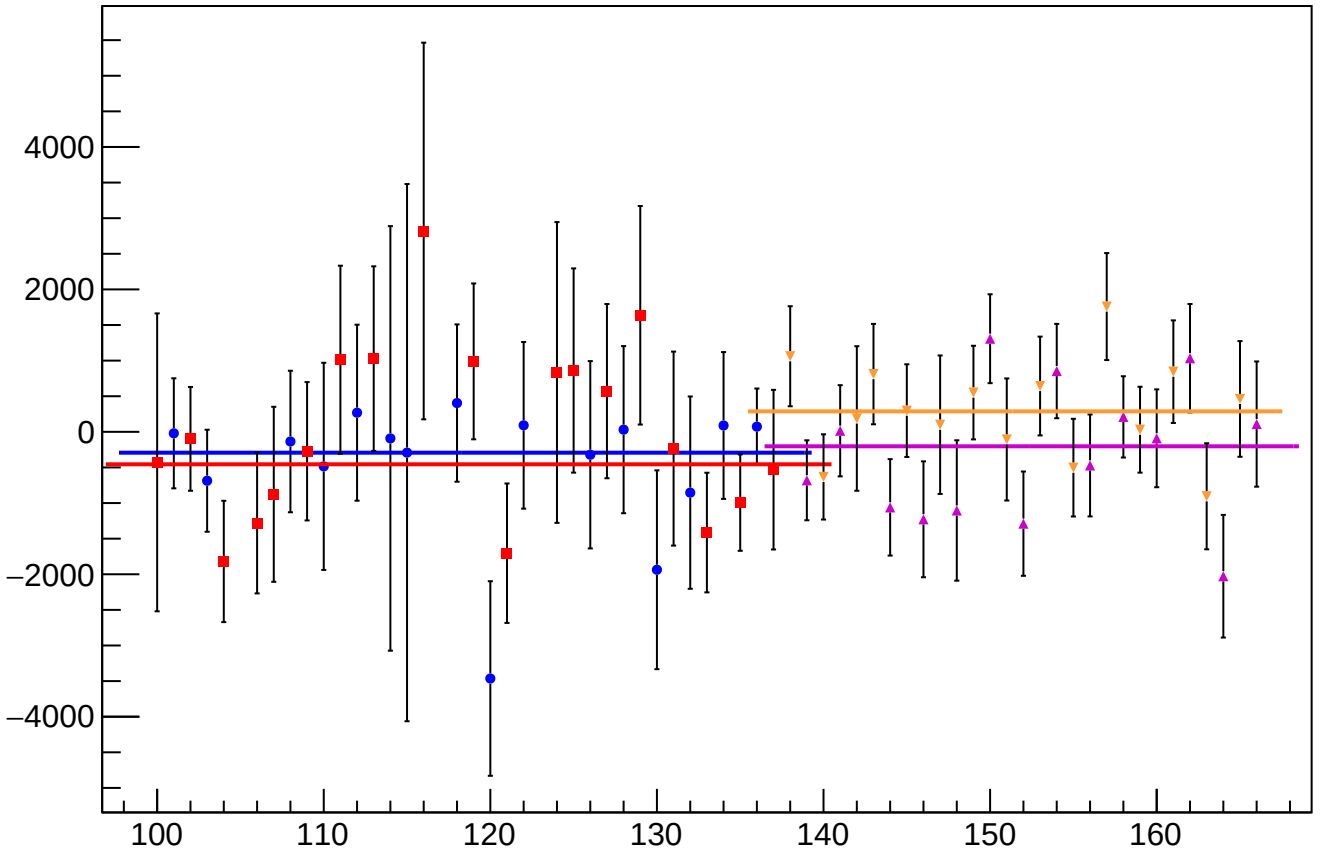
Left: 103.555+/-0.015 χ^2/NDF: 519078.4/28

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 99.384+/-0.016 χ^2/NDF:507430.6/29

Out: 97.282+/-0.016 χ^2/NDF:482716.5/33

All: 98.295+/-0.011 χ^2/NDF: 998728.8/63



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.485+/-186.106 χ^2/NDF:13.4/14

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -203.202+/-187.152 χ^2/NDF:23.4/13

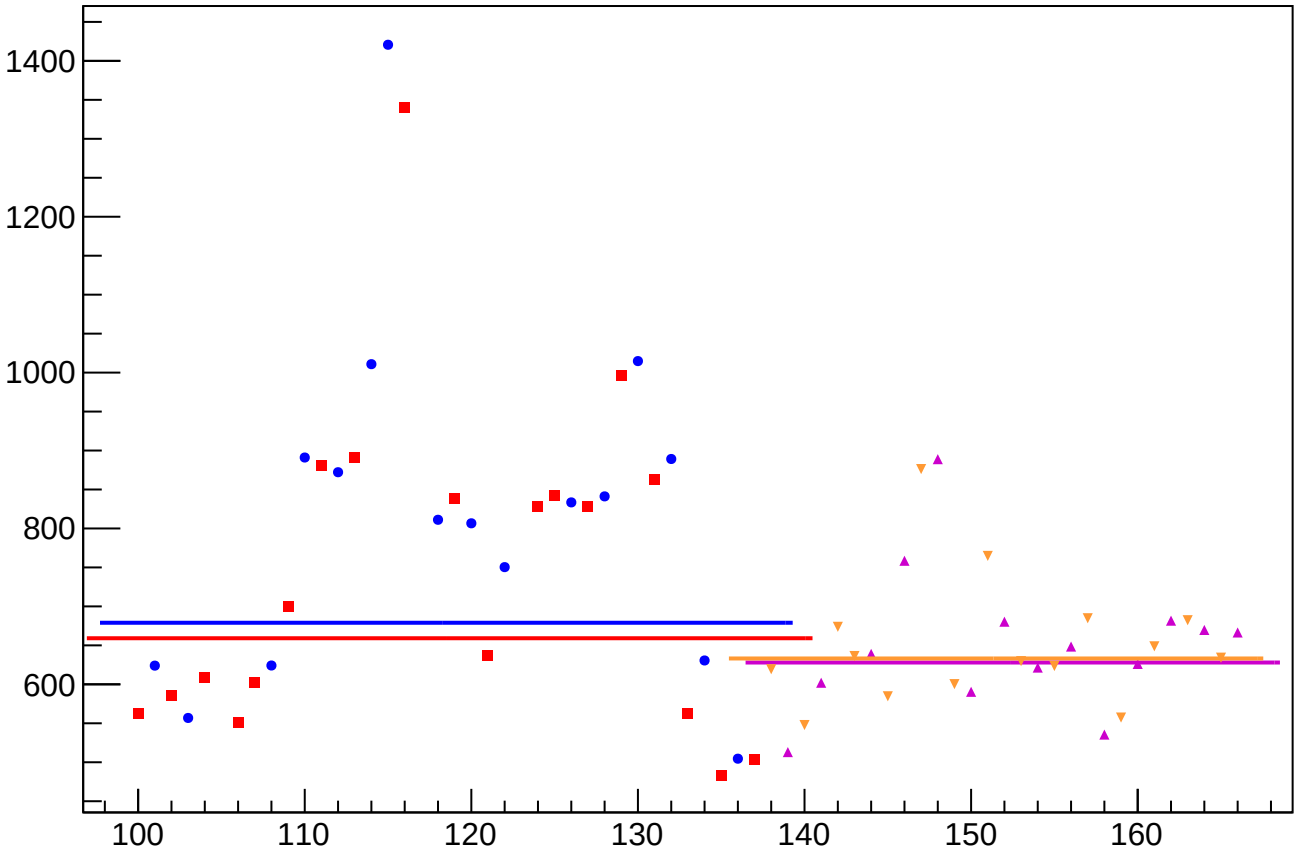
Left: 43.517+/-131.965 χ^2/NDF: 40.2/28

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 20.685+/-149.009 χ^2/NDF:36.0/33

All: -104.176+/-106.349 χ^2/NDF: 69.7/63



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.171+/-0.132 χ^2/NDF:284142.8/14

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 627.981+/-0.132 χ^2/NDF:369651.2/13

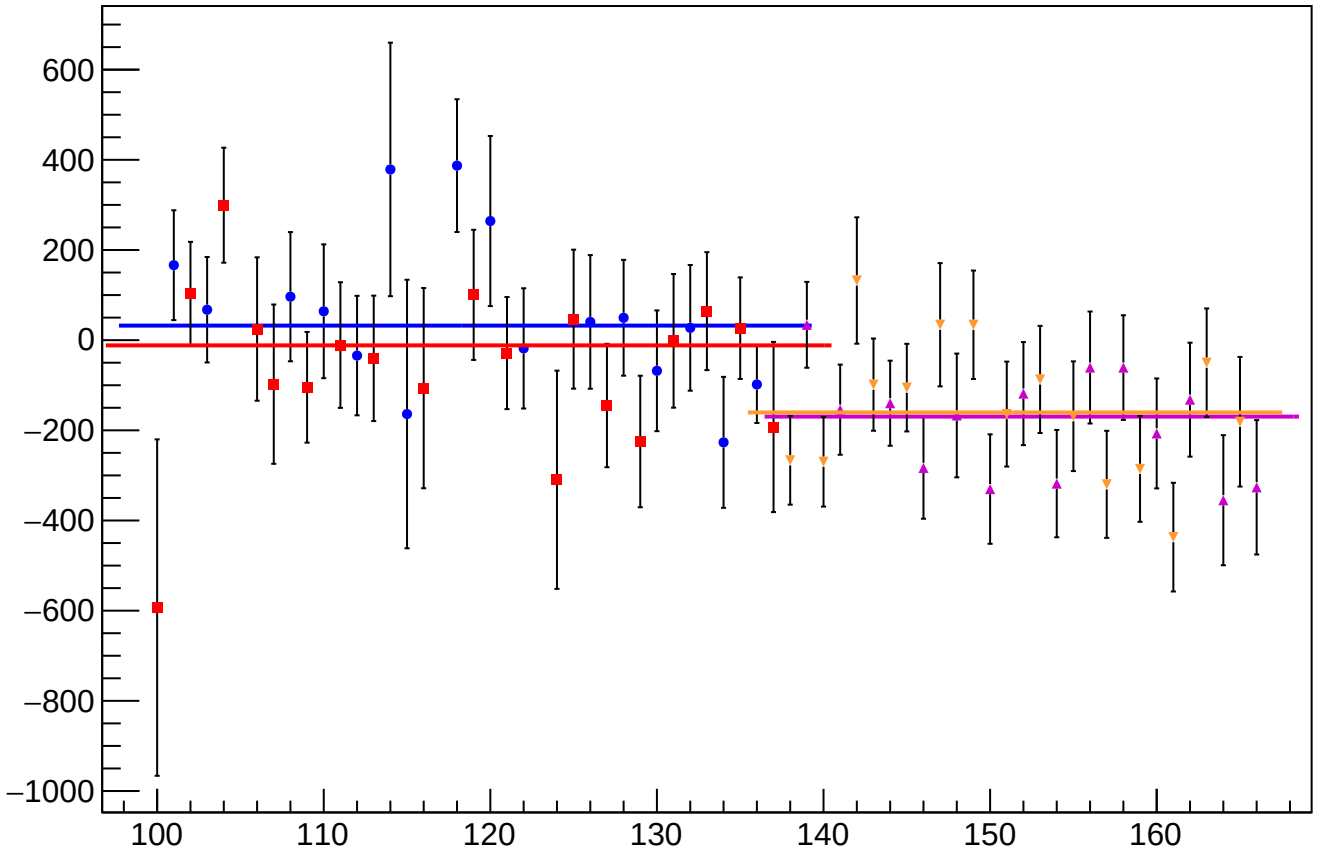
Left: 630.591+/-0.093 χ^2/NDF: 654567.2/28

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 645.422+/-0.107 χ^2/NDF:1188445.8/29

Out: 642.490+/-0.105 χ^2/NDF:1093990.8/33

All: 643.928+/-0.075 χ^2/NDF: 2282816.6/63



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -169.543+/-31.140 χ^2/NDF:13.8/13

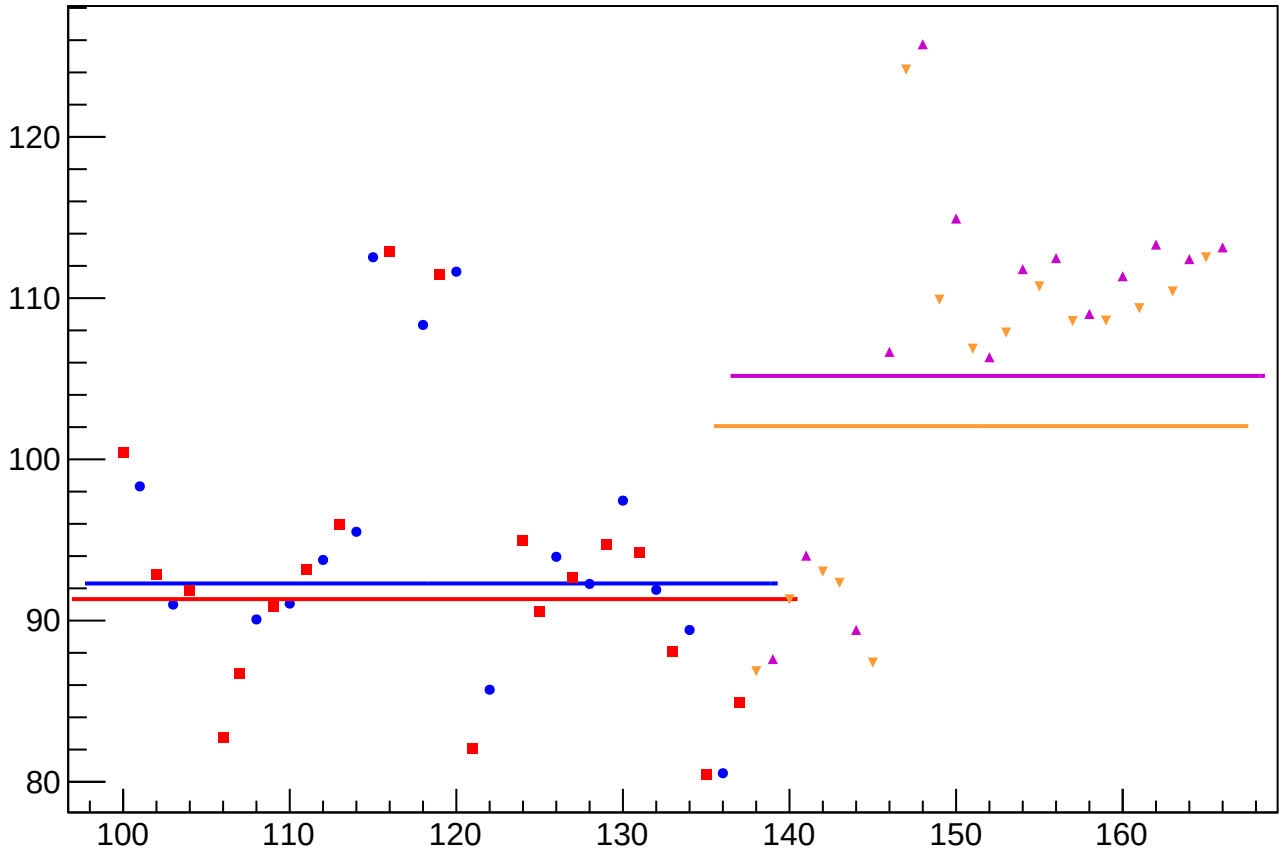
Left: -164.732+/-21.552 χ^2/NDF: 35.4/28

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -78.714+/-23.095 χ^2/NDF:50.0/29

Out: -94.565+/-22.305 χ^2/NDF:49.7/33

All: -86.916+/-16.044 χ^2/NDF: 99.9/63



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

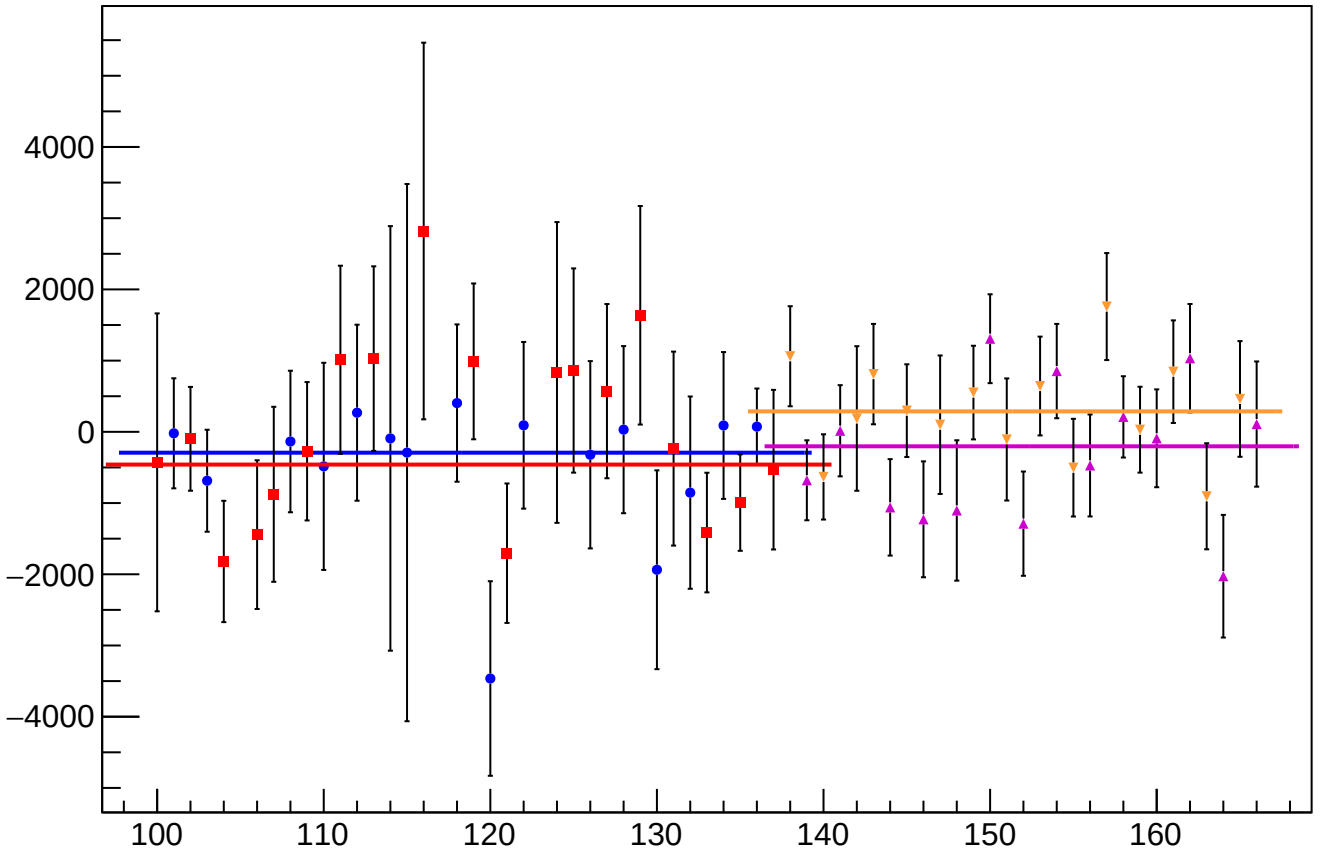
Left: 103.555+/-0.015 χ^2/NDF: 519078.5/28

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.384+/-0.016 χ^2/NDF:507430.5/29

Out: 97.320+/-0.016 χ^2/NDF:481227.9/33

All: 98.316+/-0.011 χ^2/NDF: 996924.1/63



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -203.204+/-187.152 χ^2/NDF:23.4/13

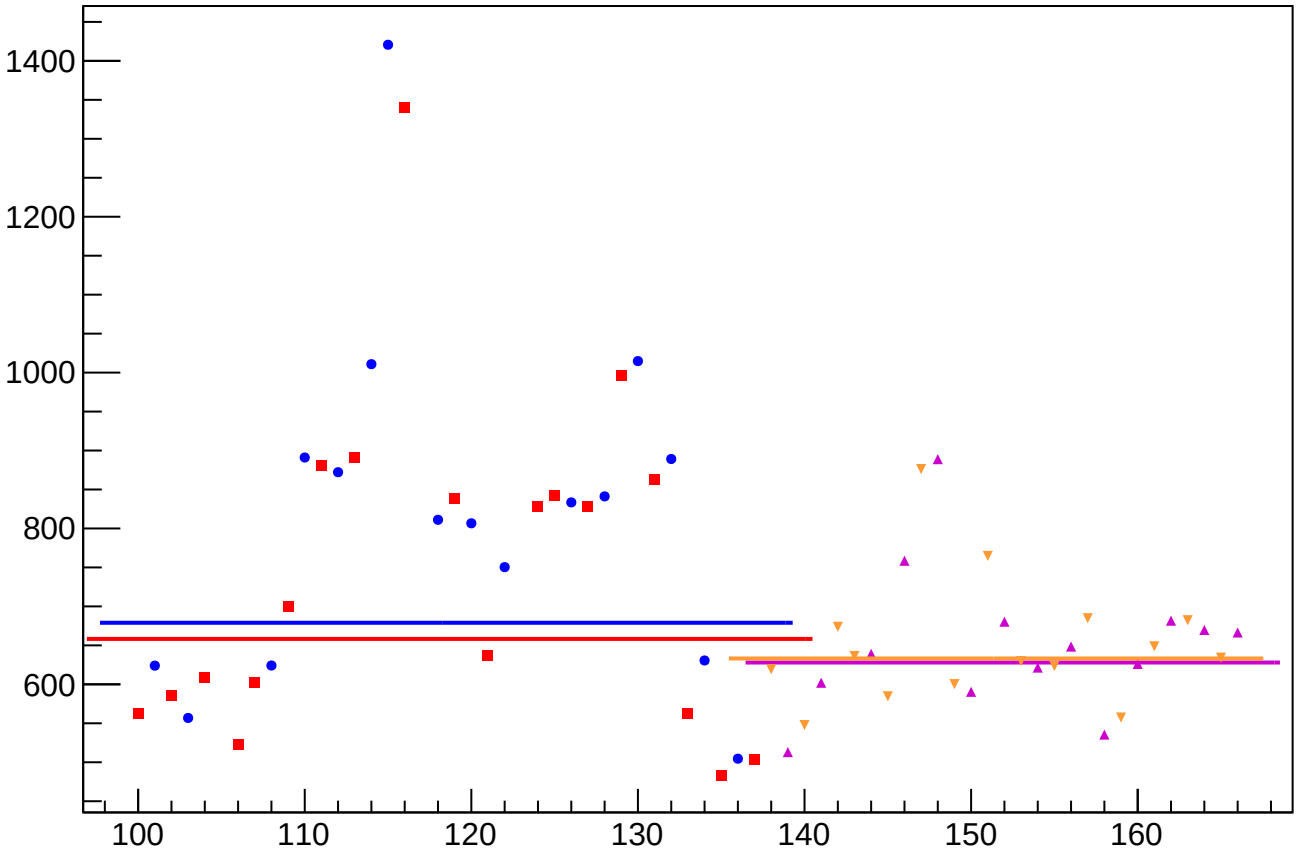
Left: 43.515+/-131.965 χ^2/NDF: 40.2/28

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 20.472+/-149.186 χ^2/NDF:36.2/33

All: -104.436+/-106.414 χ^2/NDF: 69.9/63



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 627.982+/-0.132 χ^2/NDF:369651.2/13

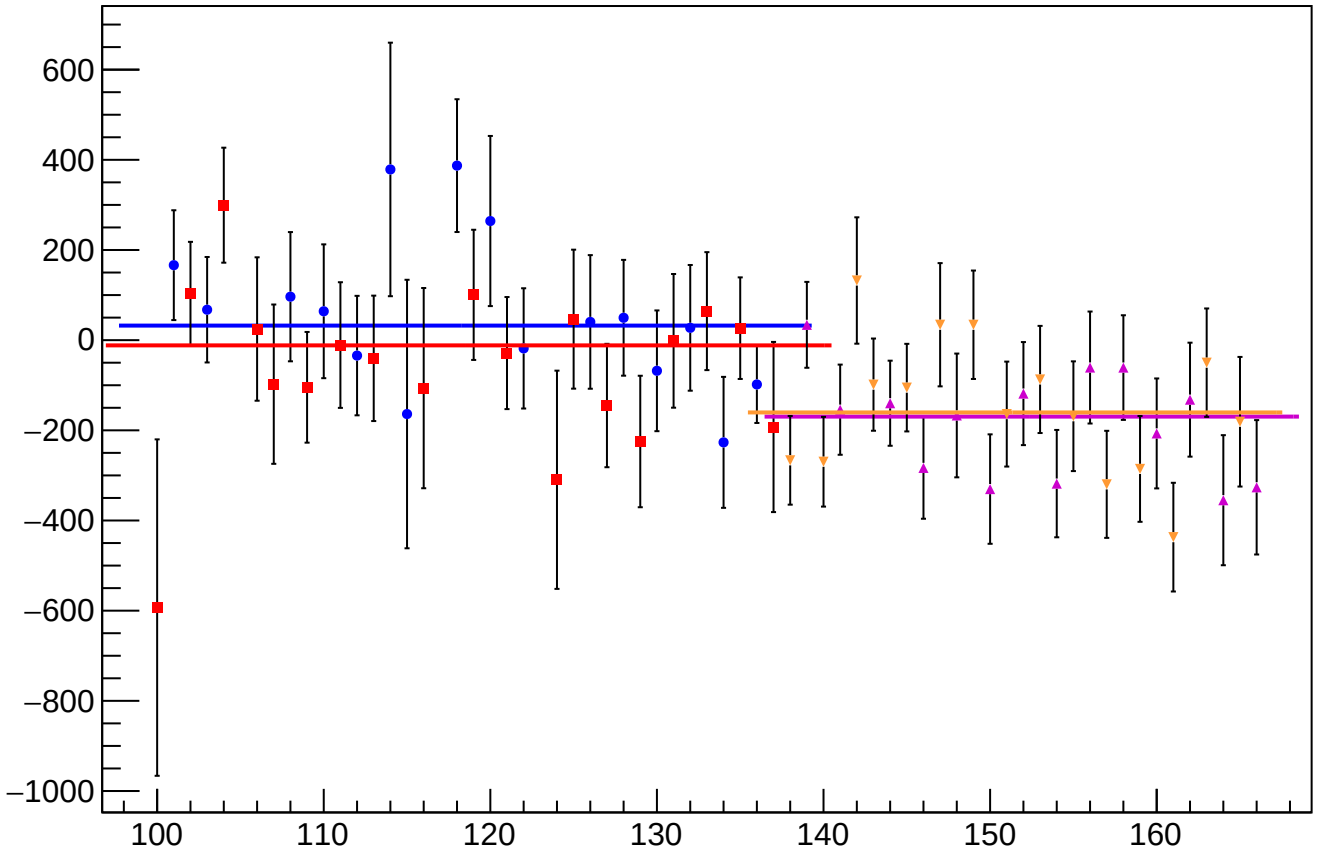
Left: 630.591+/-0.093 χ^2/NDF: 654568.2/28

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 645.422+/-0.107 χ^2/NDF:1188446.4/29

Out: 642.139+/-0.105 χ^2/NDF:1103034.5/33

All: 643.752+/-0.075 χ^2/NDF: 2291956.7/63



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -169.543+/-31.140 χ^2/NDF:13.8/13

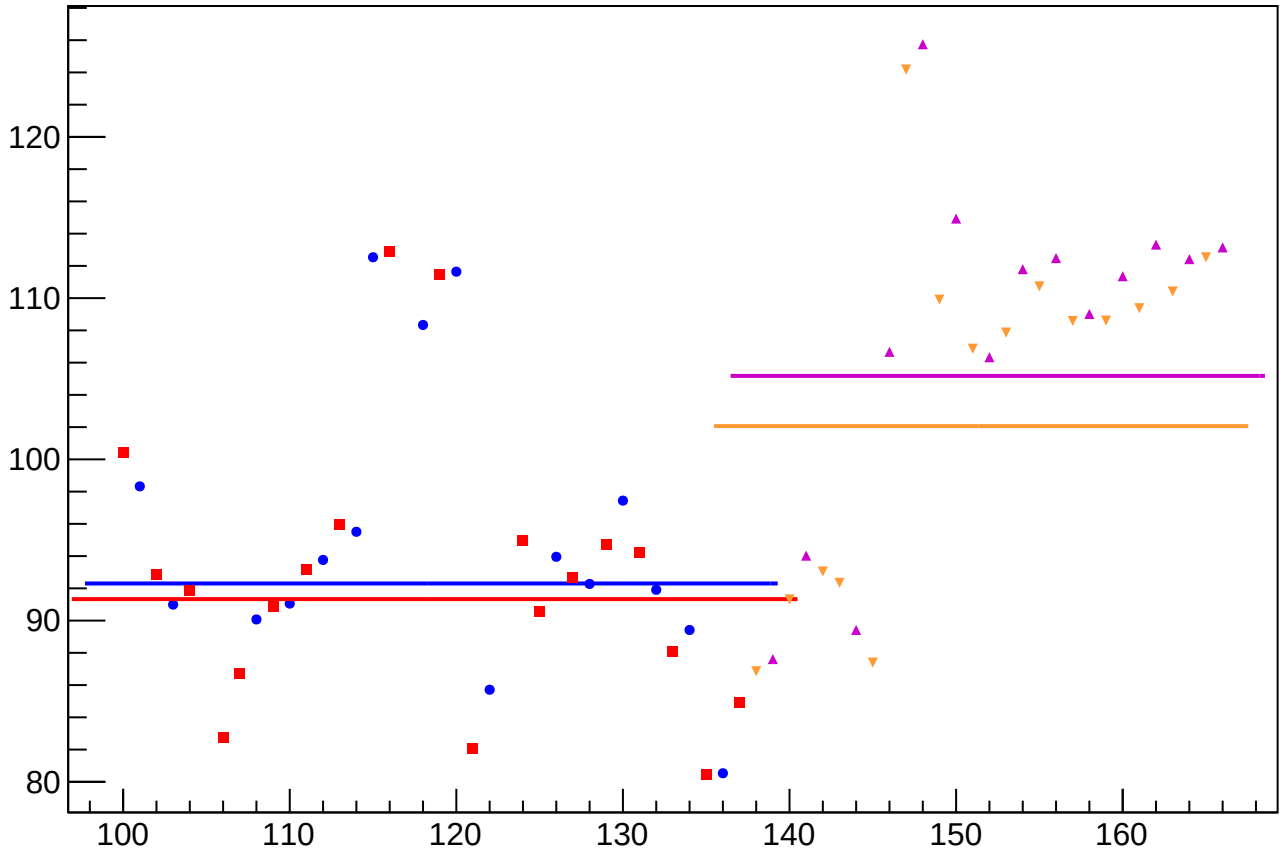
Left: -164.732+/-21.552 χ^2/NDF: 35.4/28

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -78.714+/-23.095 χ^2/NDF:50.0/29

Out: -94.565+/-22.305 χ^2/NDF:49.7/33

All: -86.916+/-16.044 χ^2/NDF: 99.9/63



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.177+/-0.022 χ^2/NDF:246532.0/13

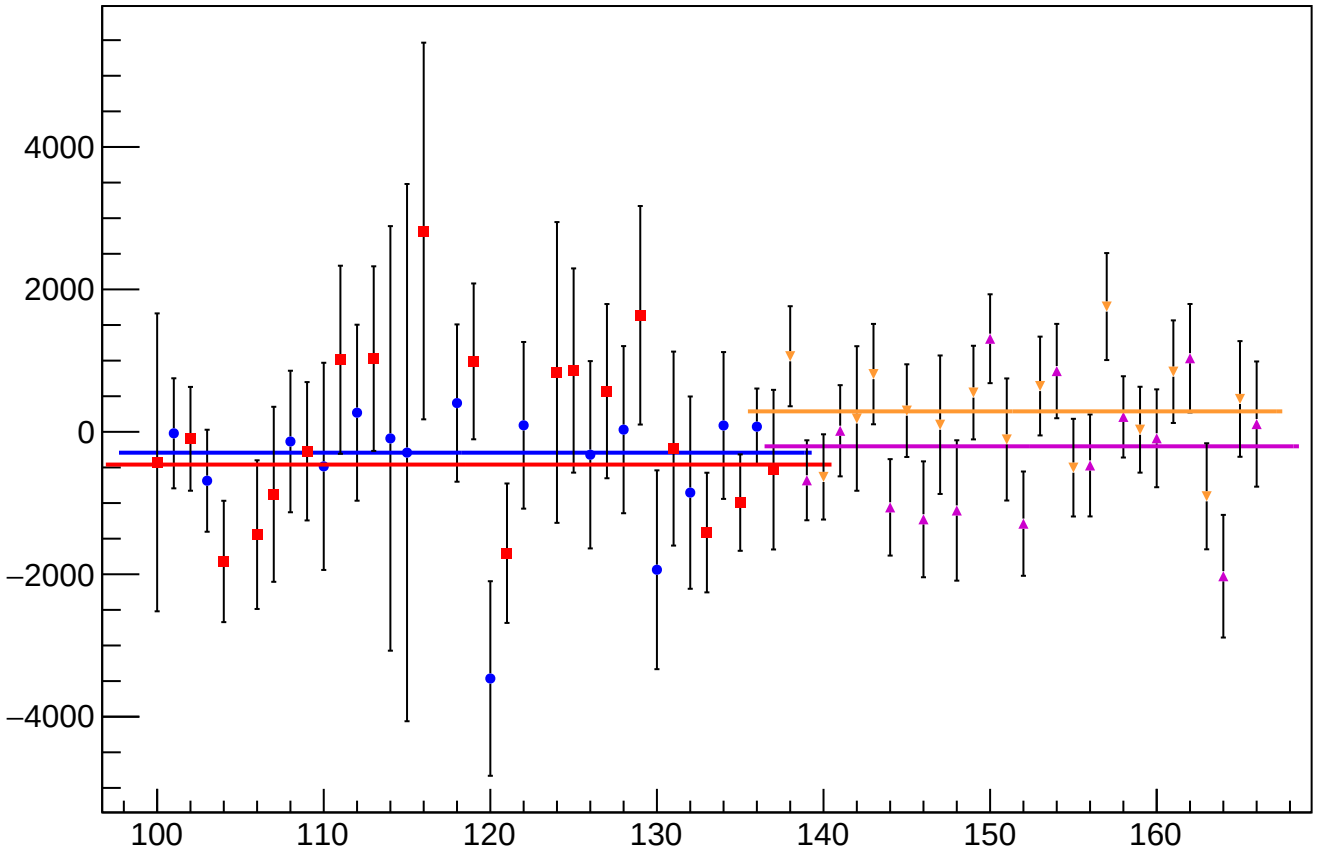
Left: 103.555+/-0.015 χ^2/NDF: 519078.5/28

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.384+/-0.016 χ^2/NDF:507430.5/29

Out: 97.320+/-0.016 χ^2/NDF:481227.9/33

All: 98.316+/-0.011 χ^2/NDF: 996924.1/63



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -203.204+/-187.152 χ^2/NDF:23.4/13

Left: 43.515+/-131.965 χ^2/NDF: 40.2/28

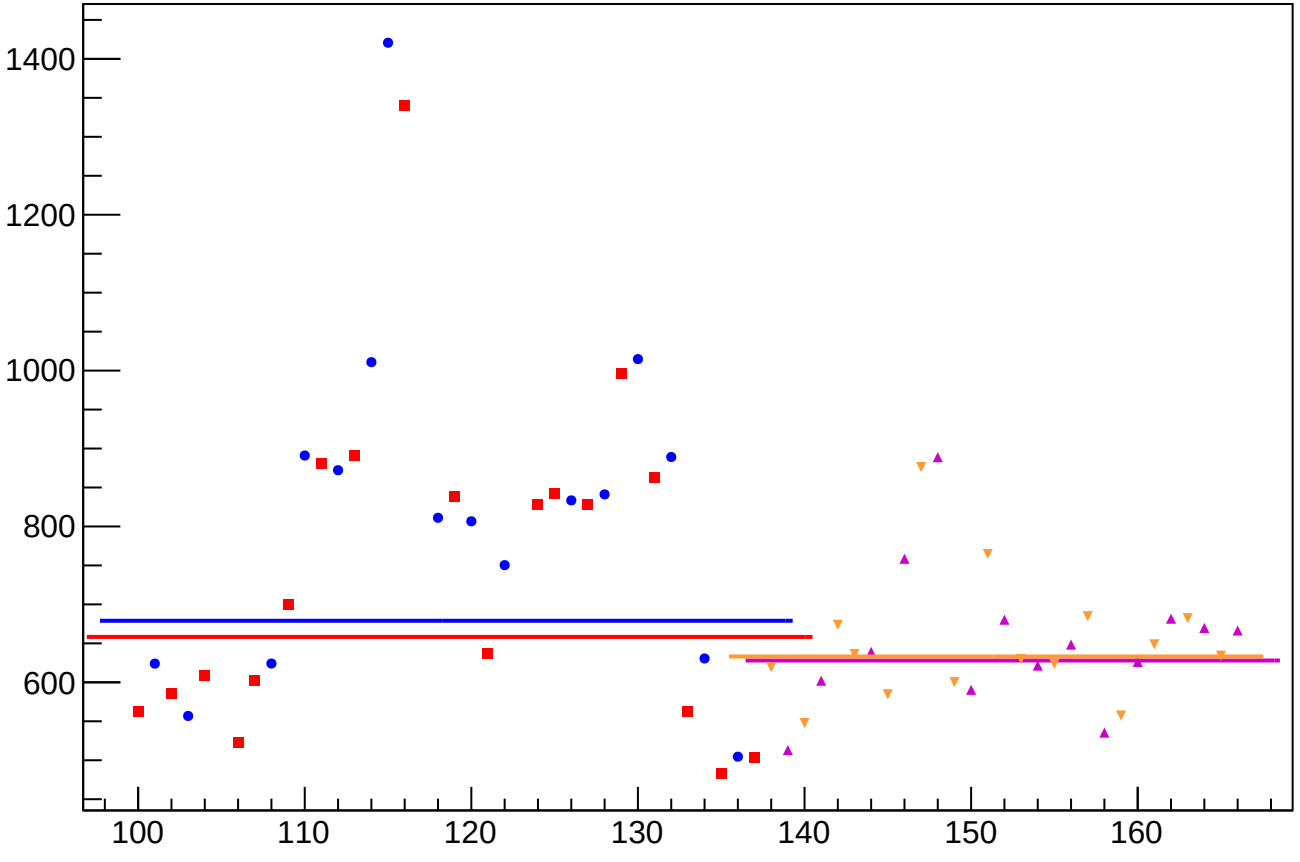
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -233.814+/-151.832 χ^2/NDF:32.3/29

Out: 20.472+/-149.186 χ^2/NDF:36.2/33

All: -104.436+/-106.414 χ^2/NDF: 69.9/63

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 627.982+/-0.132 χ^2/NDF:369651.2/13

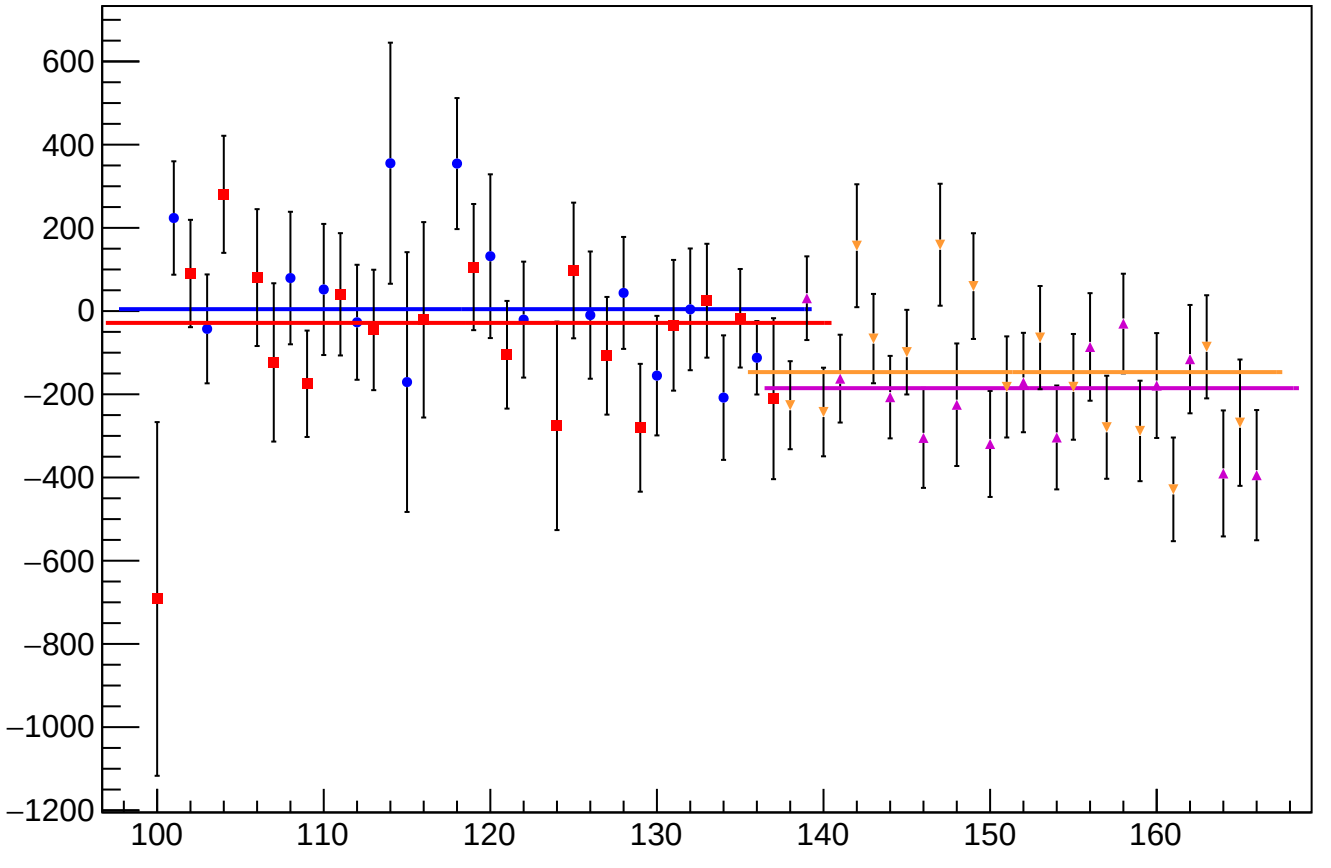
Left: 630.591+/-0.093 χ^2/NDF: 654568.2/28

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 645.422+/-0.107 χ^2/NDF:1188446.4/29

Out: 642.139+/-0.105 χ^2/NDF:1103034.5/33

All: 643.752+/-0.075 χ^2/NDF: 2291956.7/63



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.671+/-31.364 χ^2/NDF:22.5/14

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -185.275+/-32.662 χ^2/NDF:14.0/13

Left: -165.191+/-22.623 χ^2/NDF: 37.2/28

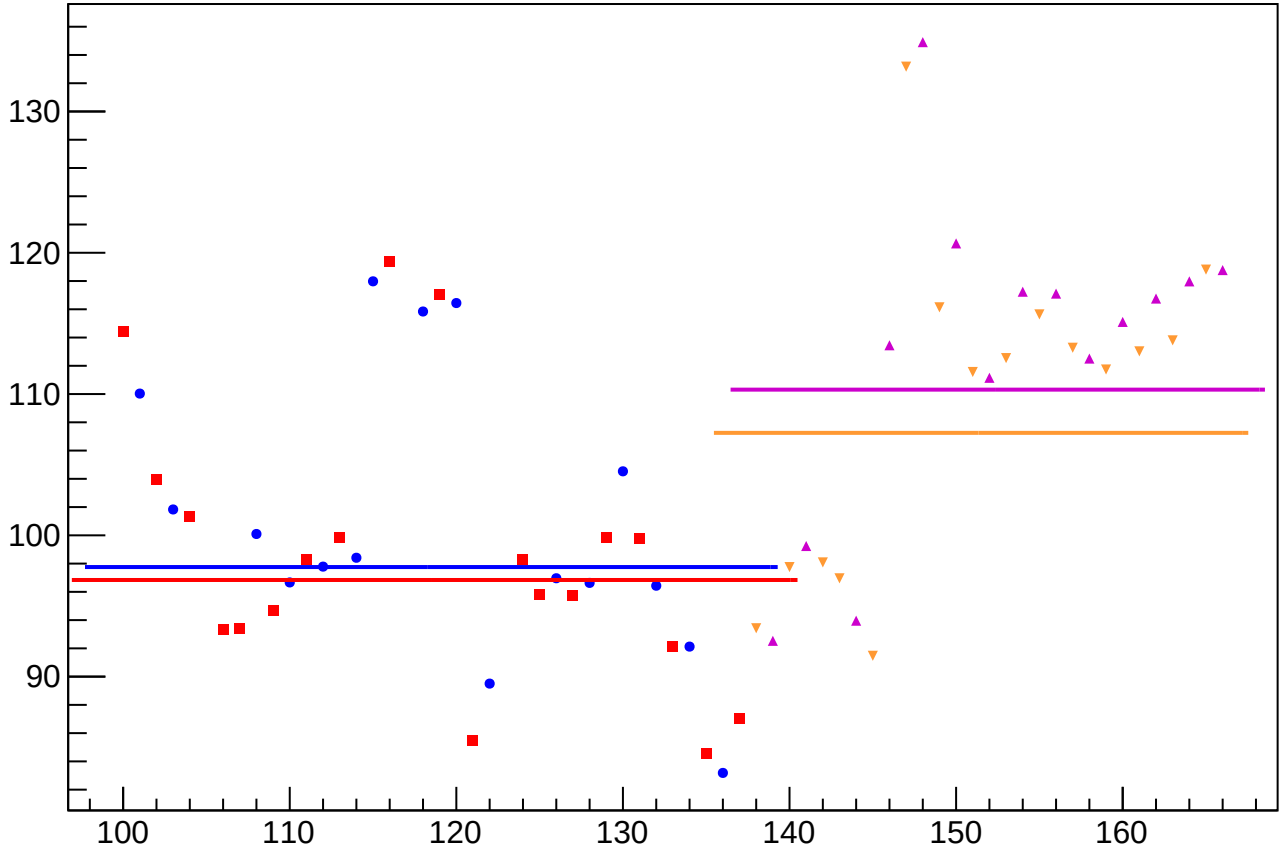
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -100.858+/-24.342 χ^2/NDF:44.3/29

Out: -94.768+/-23.495 χ^2/NDF:45.9/33

All: -97.705+/-16.905 χ^2/NDF: 90.2/63

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.3/14

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 110.313+/-0.023 χ^2/NDF:240454.3/13

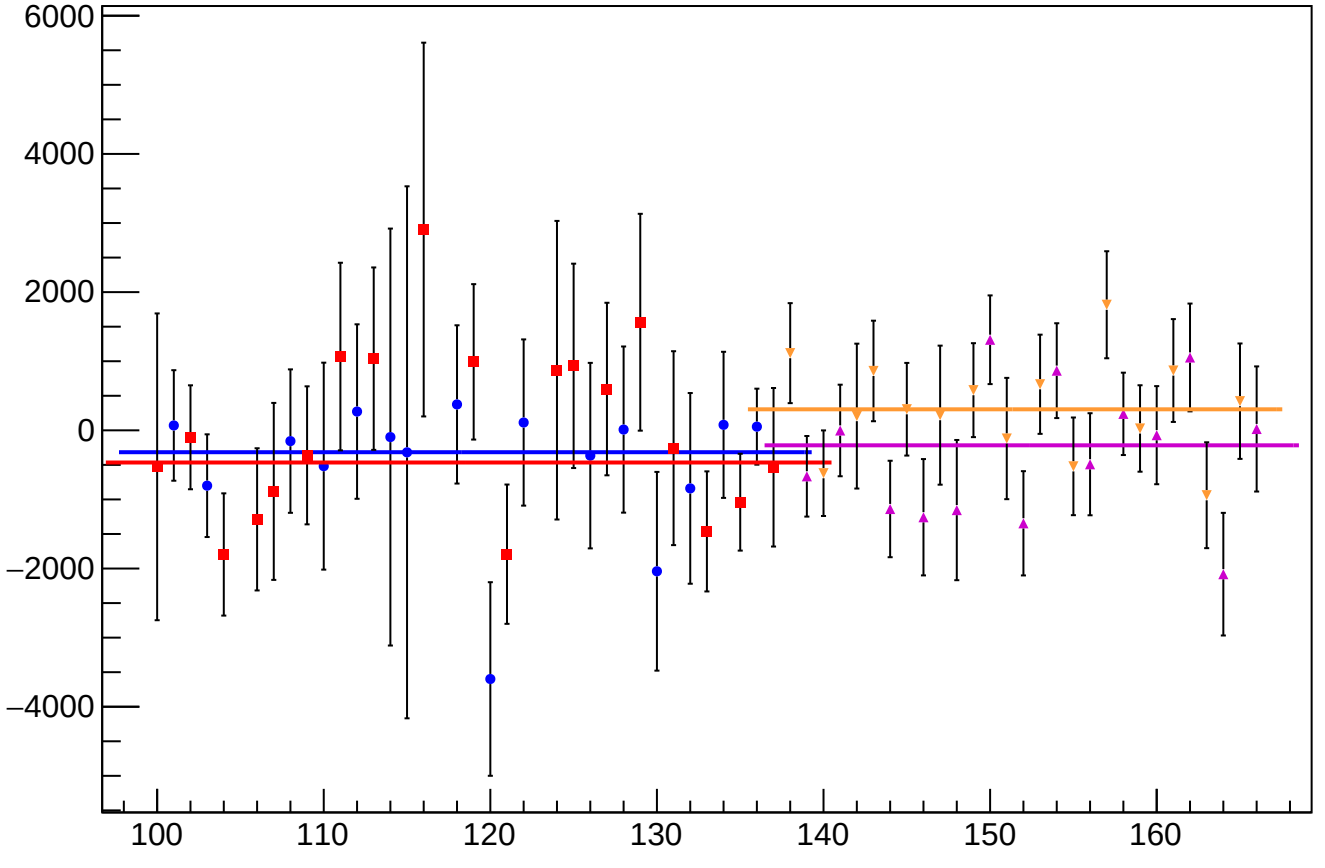
Left: 108.721+/-0.016 χ^2/NDF: 490024.8/28

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 104.731+/-0.017 χ^2/NDF:512518.9/29

Out: 102.683+/-0.017 χ^2/NDF:452373.0/33

All: 103.671+/-0.012 χ^2/NDF: 972217.8/63



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -216.844+/-193.424 χ^2/NDF:23.1/13

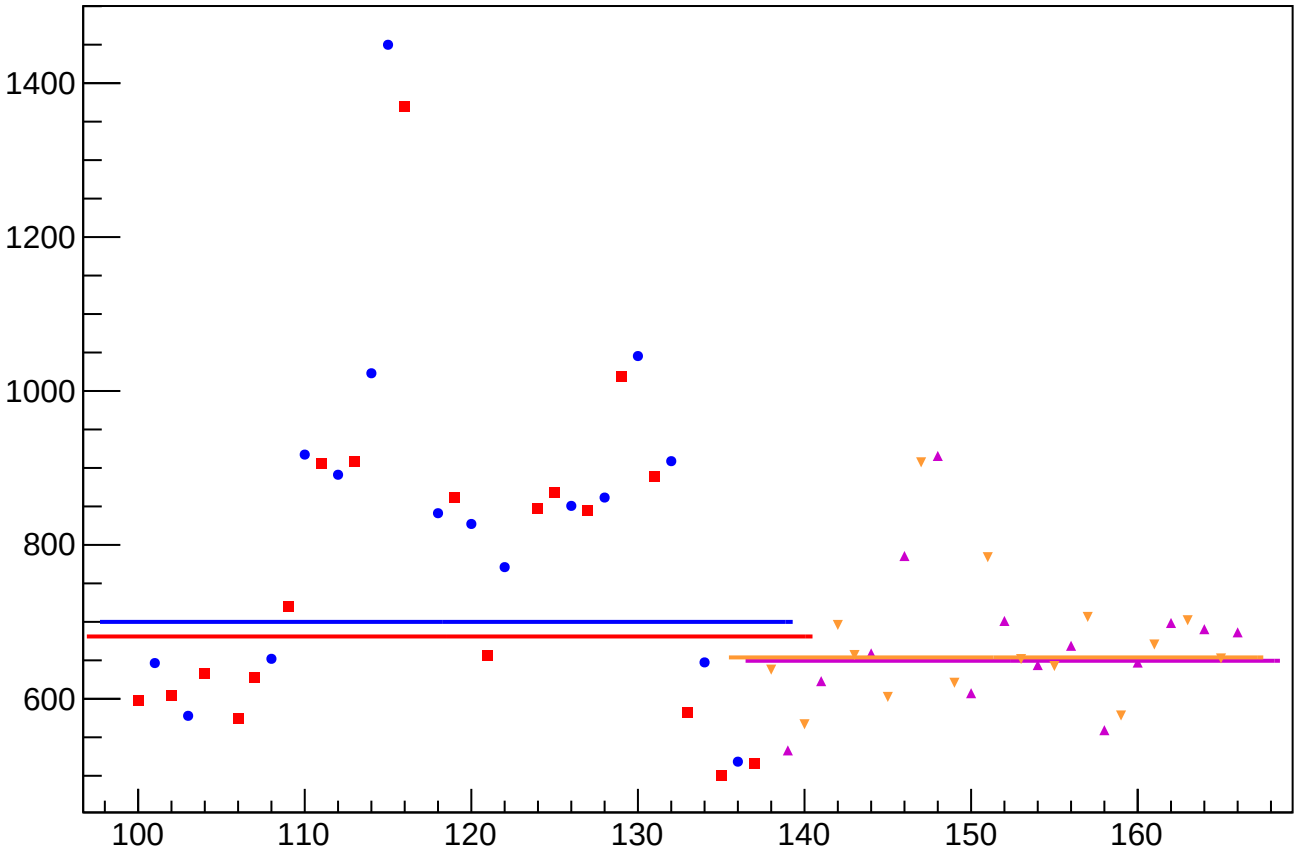
Left: 45.472+/-136.297 χ^2/NDF: 40.1/28

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -251.082+/-156.744 χ^2/NDF:32.4/29

Out: 27.797+/-153.785 χ^2/NDF:35.6/33

All: -108.986+/-109.774 χ^2/NDF: 69.6/63



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.808+/-0.136 χ^2/NDF:278808.9/14

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 649.447+/-0.137 χ^2/NDF:354143.4/13

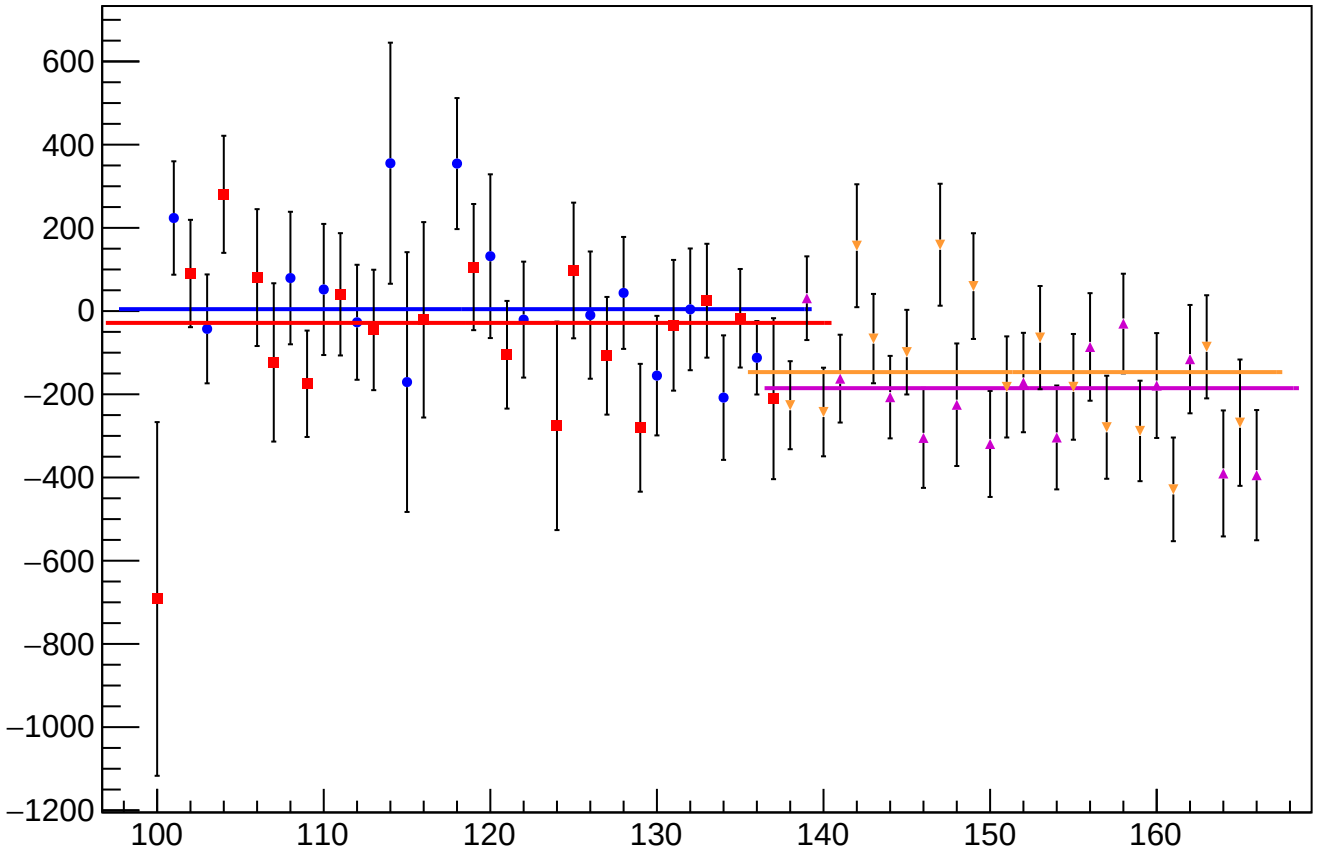
Left: 651.643+/-0.096 χ^2/NDF: 633464.2/28

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 666.793+/-0.111 χ^2/NDF:1154660.3/29

Out: 663.577+/-0.109 χ^2/NDF:1062613.5/33

All: 665.155+/-0.078 χ^2/NDF: 2217702.7/63



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.671+/-31.364 χ^2/NDF:22.5/14

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -185.276+/-32.662 χ^2/NDF:14.0/13

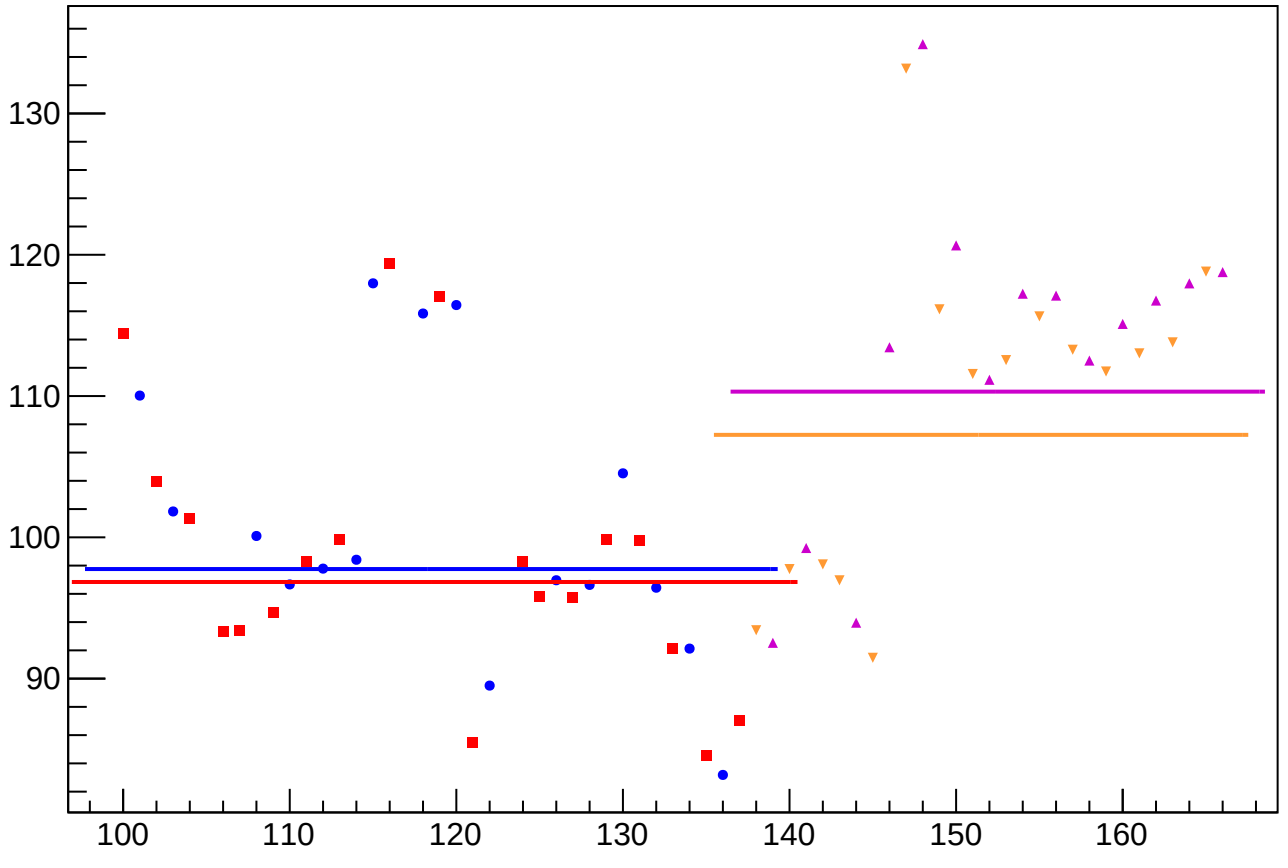
Left: -165.192+/-22.623 χ^2/NDF: 37.2/28

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -100.858+/-24.342 χ^2/NDF:44.3/29

Out: -94.768+/-23.494 χ^2/NDF:45.9/33

All: -97.705+/-16.905 χ^2/NDF: 90.2/63



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.0/14

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 110.313+/-0.023 χ^2/NDF:240451.7/13

Left: 108.721+/-0.016 χ^2/NDF: 490021.9/28

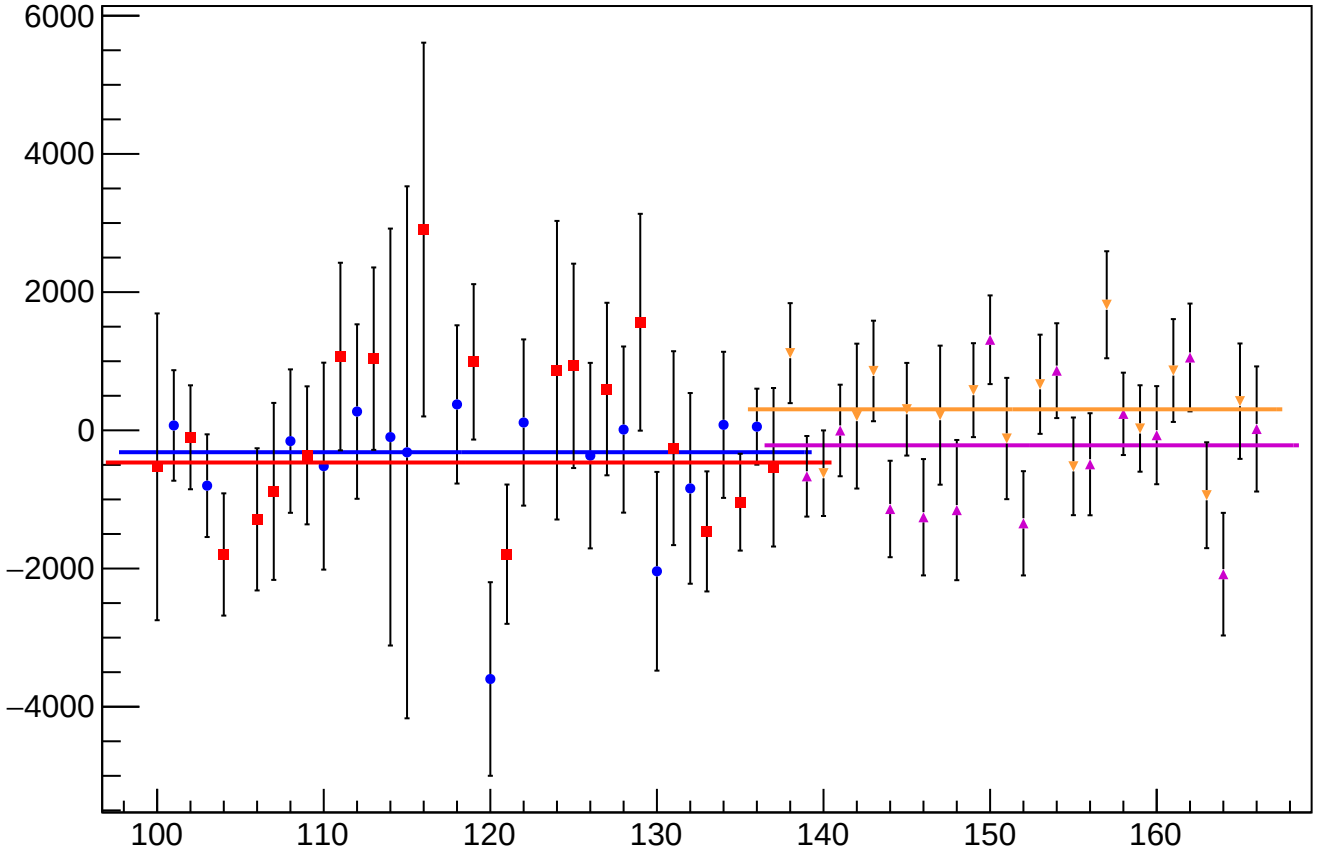
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 104.730+/-0.017 χ^2/NDF:512524.9/29

Out: 102.683+/-0.017 χ^2/NDF:452382.5/33

All: 103.670+/-0.012 χ^2/NDF: 972233.5/63

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -216.845+/-193.424 χ^2/NDF:23.1/13

Left: 45.472+/-136.297 χ^2/NDF: 40.1/28

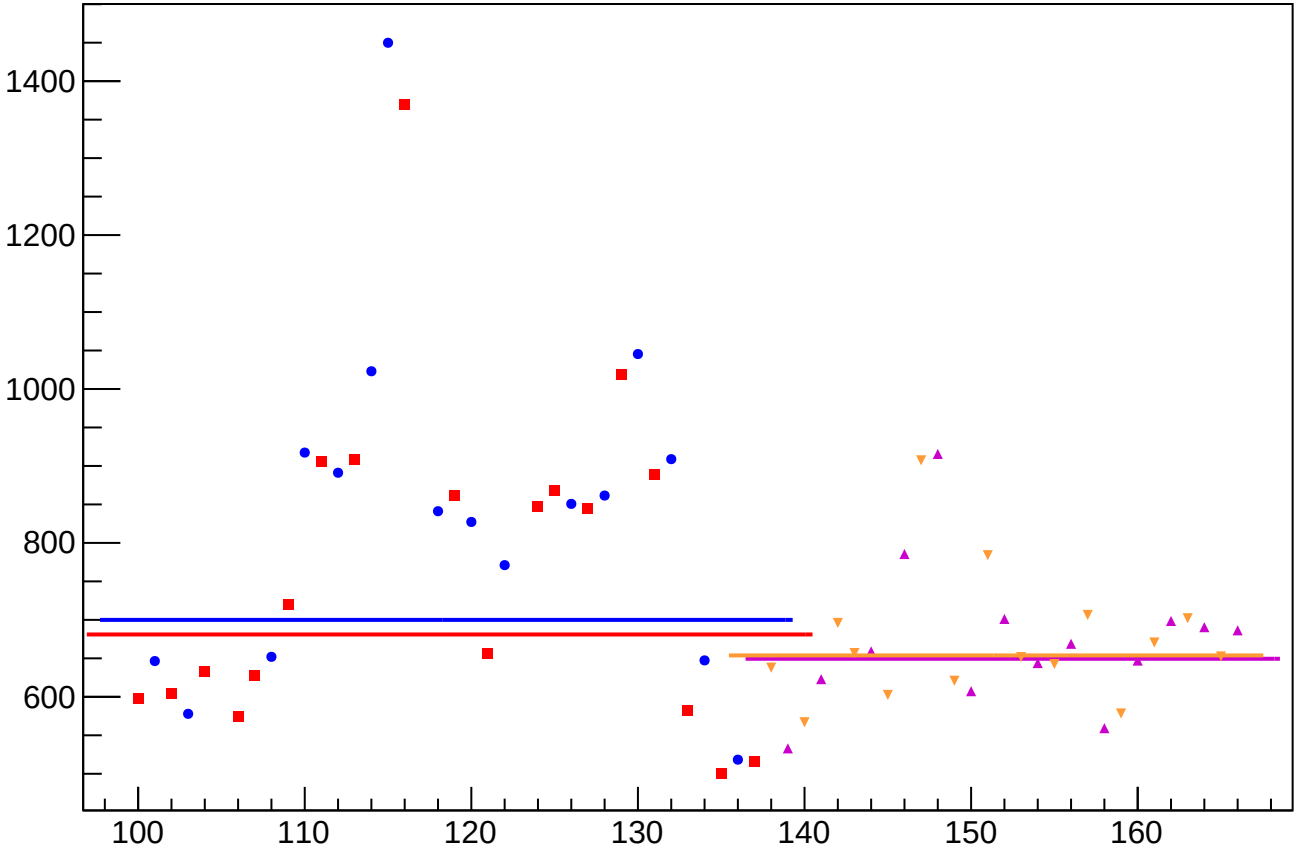
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -251.081+/-156.744 χ^2/NDF:32.4/29

Out: 27.796+/-153.785 χ^2/NDF:35.6/33

All: -108.986+/-109.774 χ^2/NDF: 69.6/63

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.809+/-0.136 χ^2/NDF:278809.3/14

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 649.447+/-0.137 χ^2/NDF:354143.7/13

Left: 651.643+/-0.096 χ^2/NDF: 633464.9/28

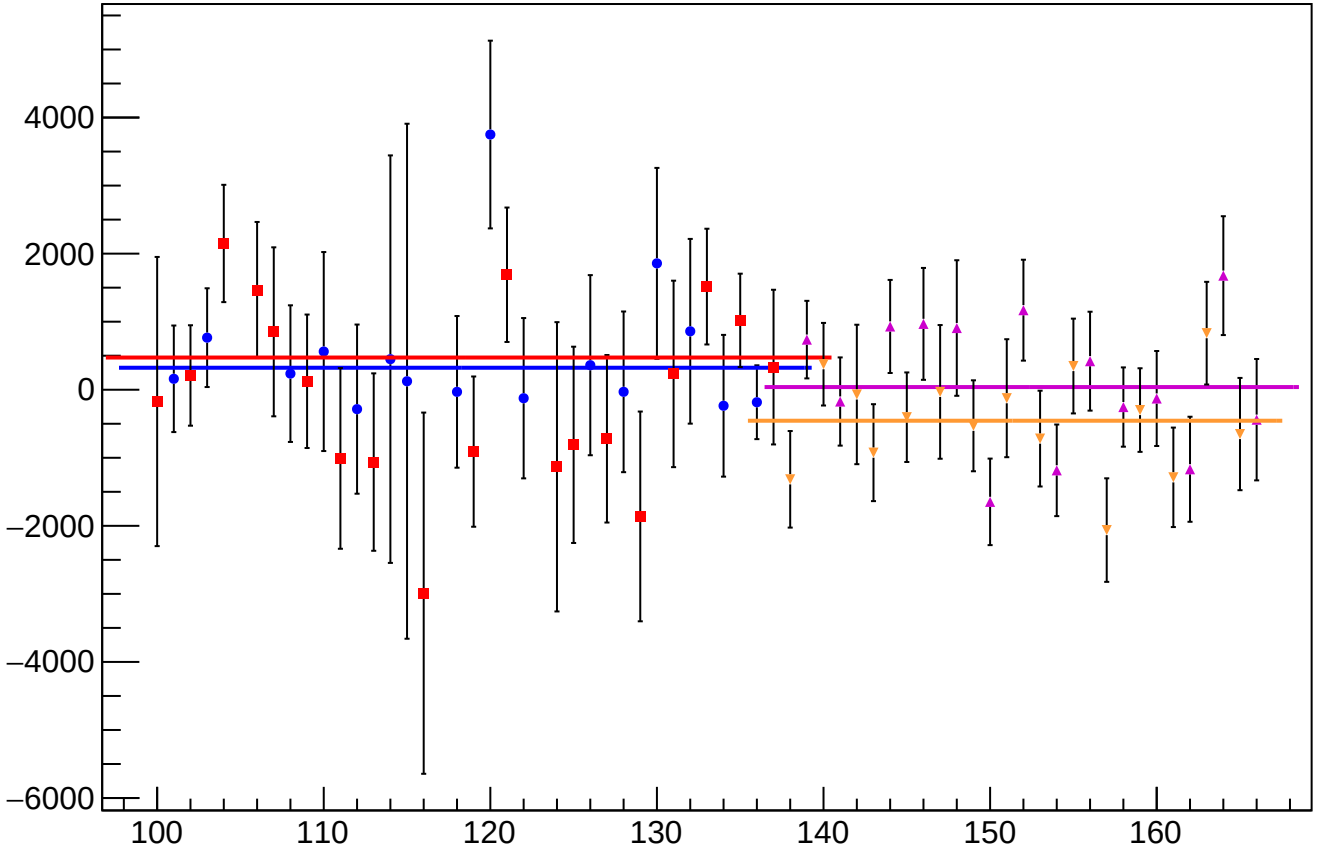
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 666.793+/-0.111 χ^2/NDF:1154659.7/29

Out: 663.577+/-0.109 χ^2/NDF:1062614.6/33

All: 665.154+/-0.078 χ^2/NDF: 2217703.1/63

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -455.401+/-188.657 χ^2/NDF:14.5/14

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 39.286+/-189.914 χ^2/NDF:24.8/13

Left: -209.701+/-133.843 χ^2/NDF: 42.8/28

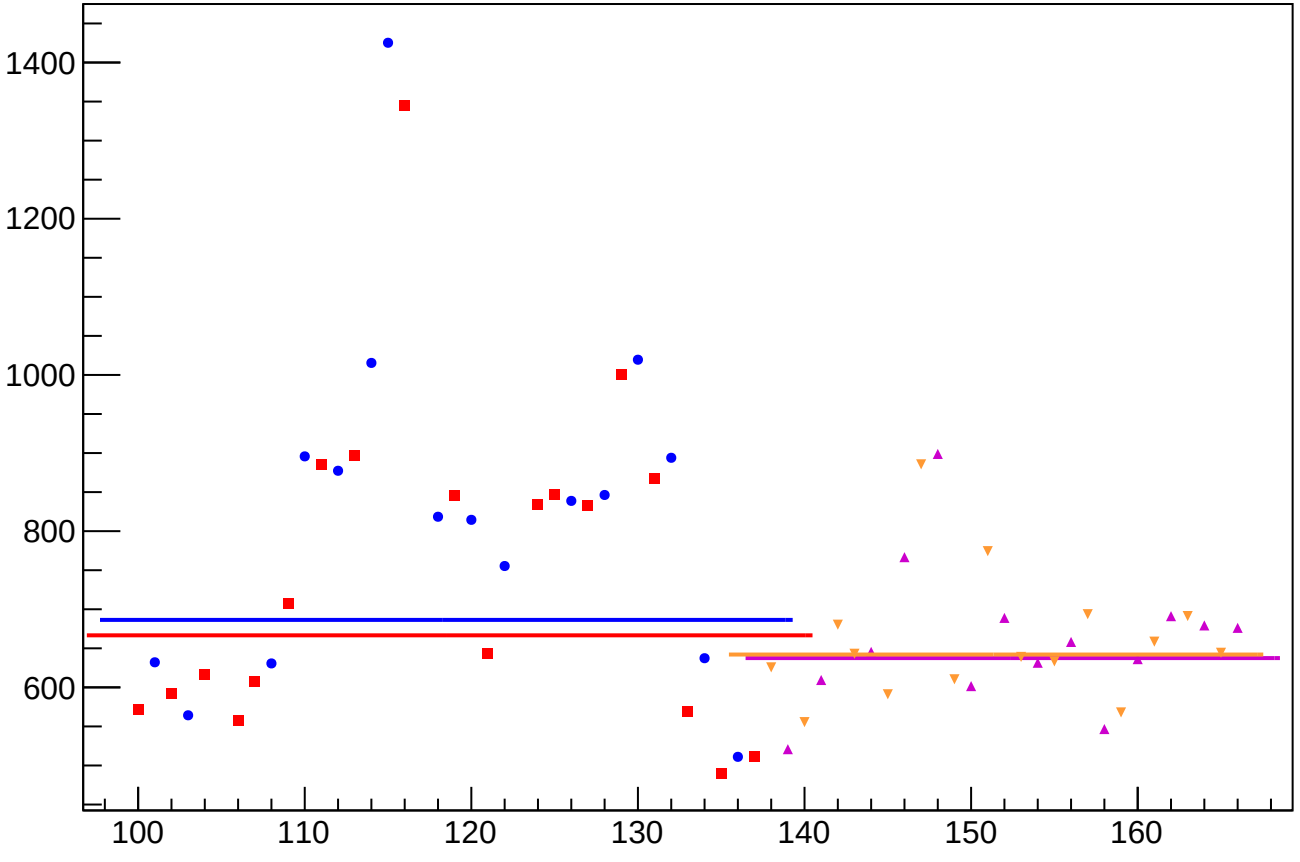
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 136.916+/-153.834 χ^2/NDF:35.3/29

Out: -120.732+/-150.879 χ^2/NDF:42.7/33

All: 5.594+/-107.717 χ^2/NDF: 79.4/63

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.050+/-0.133 χ^2/NDF:278685.2/14

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 637.497+/-0.134 χ^2/NDF:359351.6/13

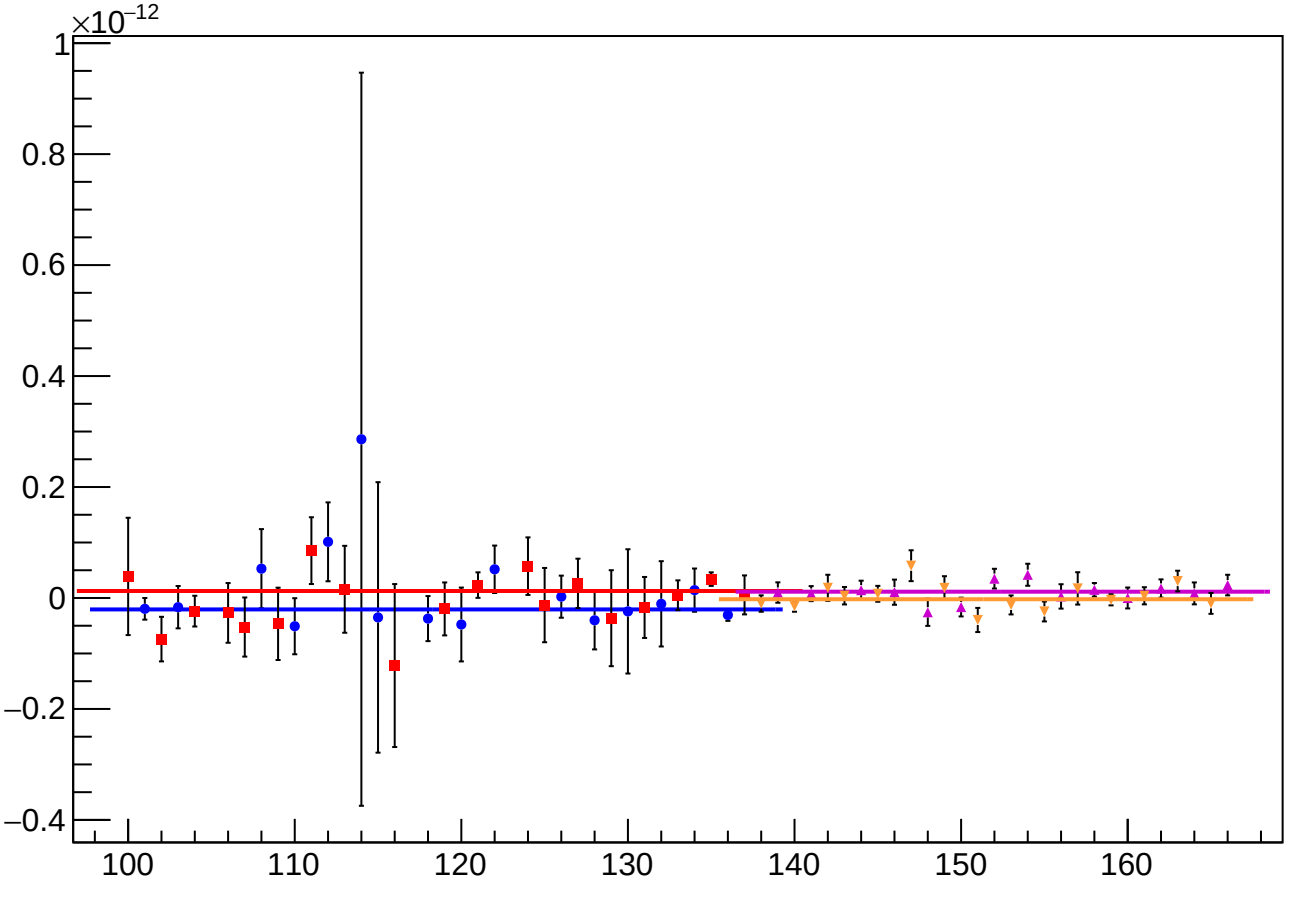
Left: 639.789+/-0.095 χ^2/NDF: 638615.4/28

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 654.312+/-0.109 χ^2/NDF:1154397.3/29

Out: 650.910+/-0.107 χ^2/NDF:1067958.8/33

All: 652.578+/-0.076 χ^2/NDF: 2222854.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/13

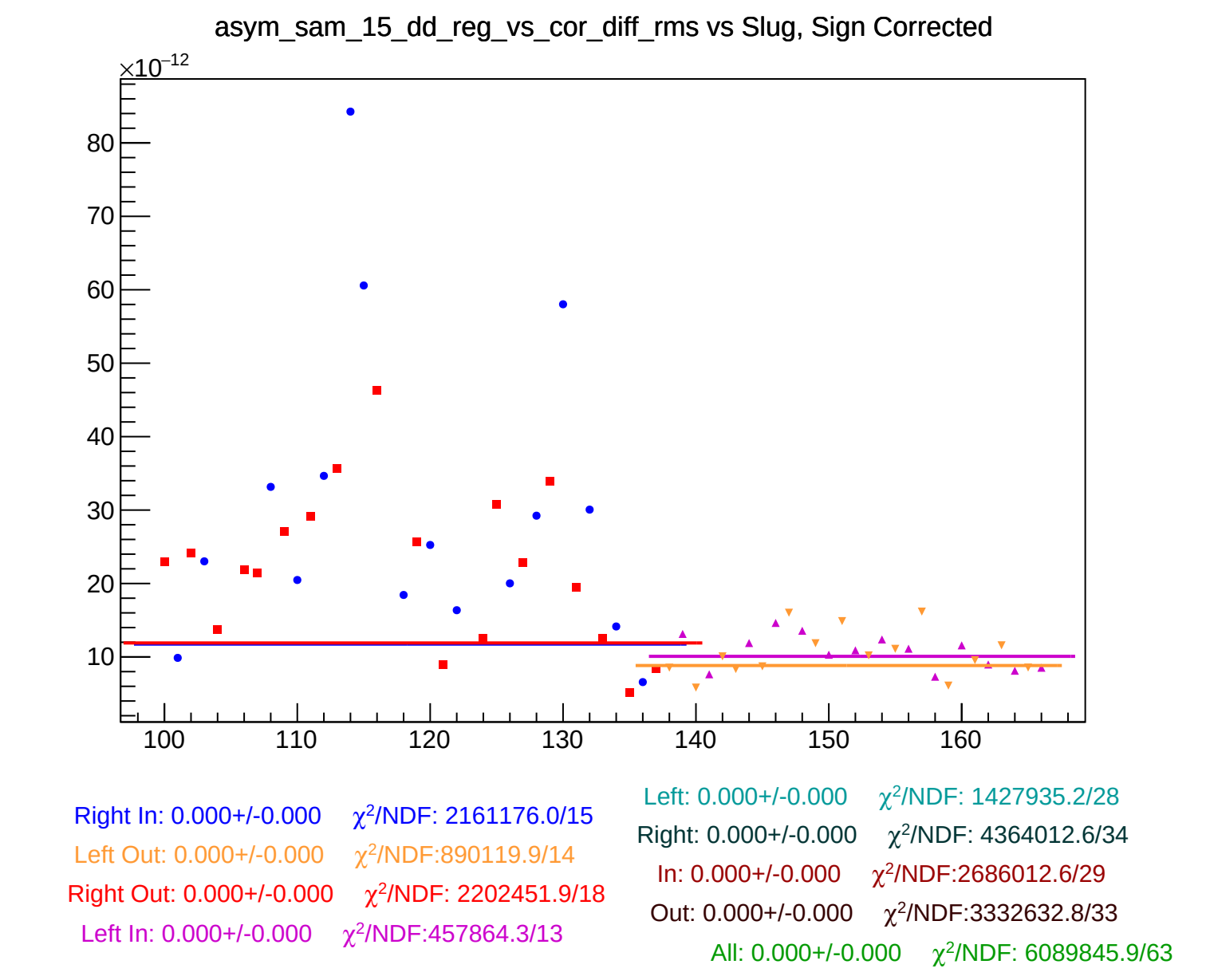
Left: 0.000+/-0.000 χ^2/NDF: 32.6/28

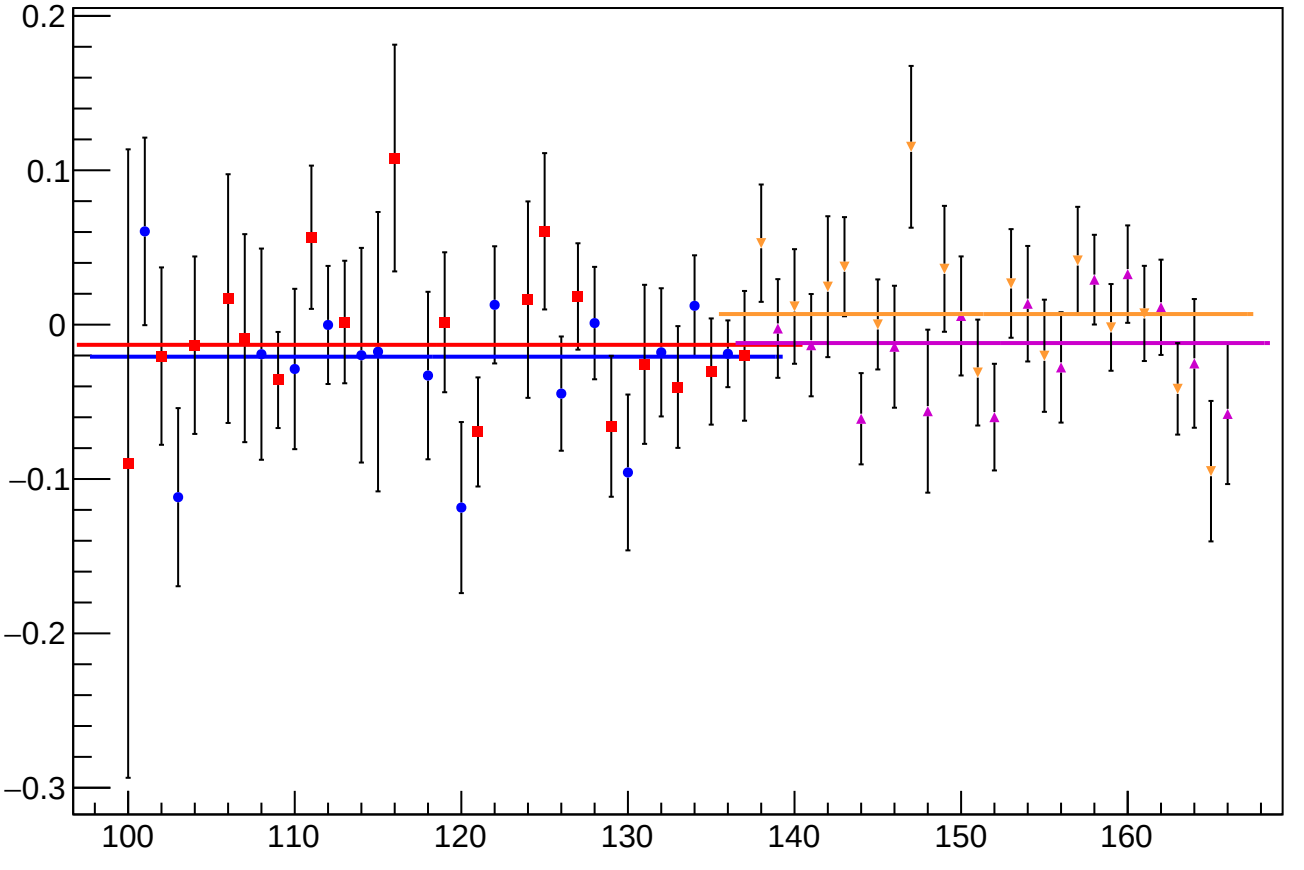
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:32.6/29

Out: 0.000+/-0.000 χ^2/NDF:37.4/33

All: 0.000+/-0.000 χ^2/NDF: 70.1/63


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:890119.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:457864.3/13
Left: 0.000+/-0.000 χ²/NDF: 1427935.2/28
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2686012.6/29
Out: 0.000+/-0.000 χ²/NDF:3332632.8/33
All: 0.000+/-0.000 χ²/NDF: 6089845.9/63



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

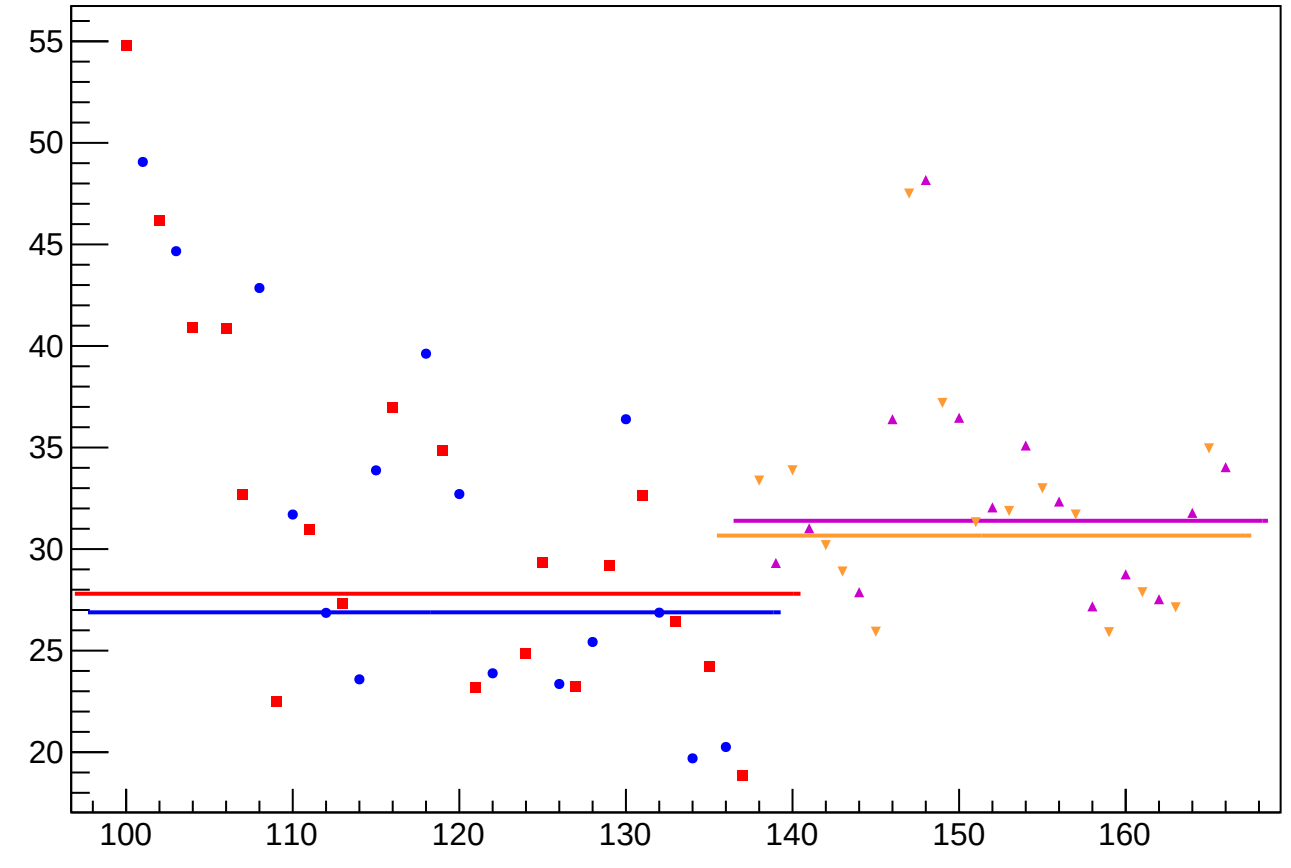
Left: -0.002+/-0.007 χ^2/NDF: 32.3/28

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.009+/-0.005 χ^2/NDF: 61.3/63



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.393+/-0.007 χ^2/NDF:421662.0/13

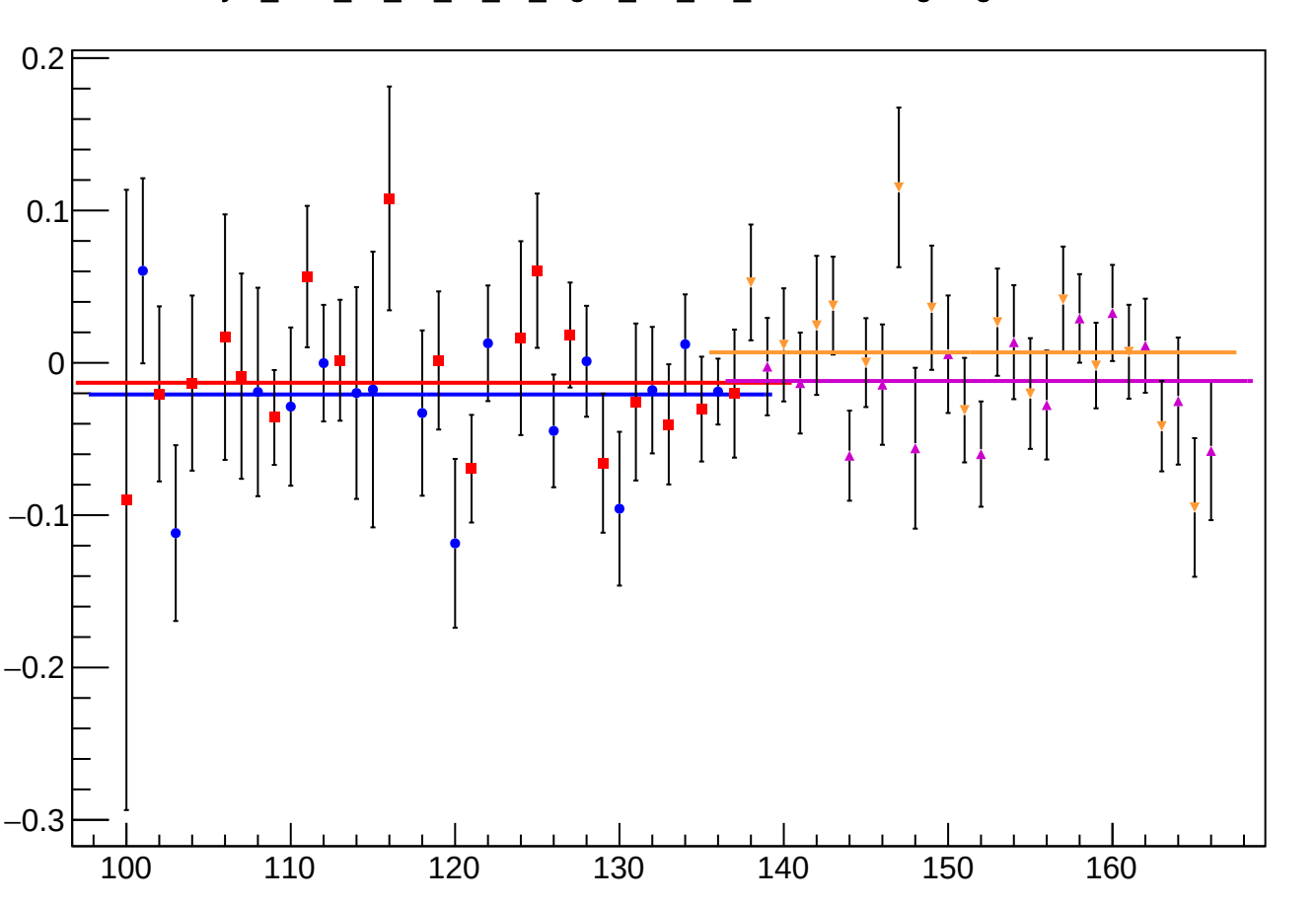
Left: 31.016+/-0.005 χ^2/NDF: 902725.2/28

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.392+/-0.005 χ^2/NDF:1746765.3/29

Out: 29.450+/-0.005 χ^2/NDF:1322882.4/33

All: 29.421+/-0.003 χ^2/NDF: 3069716.7/63



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

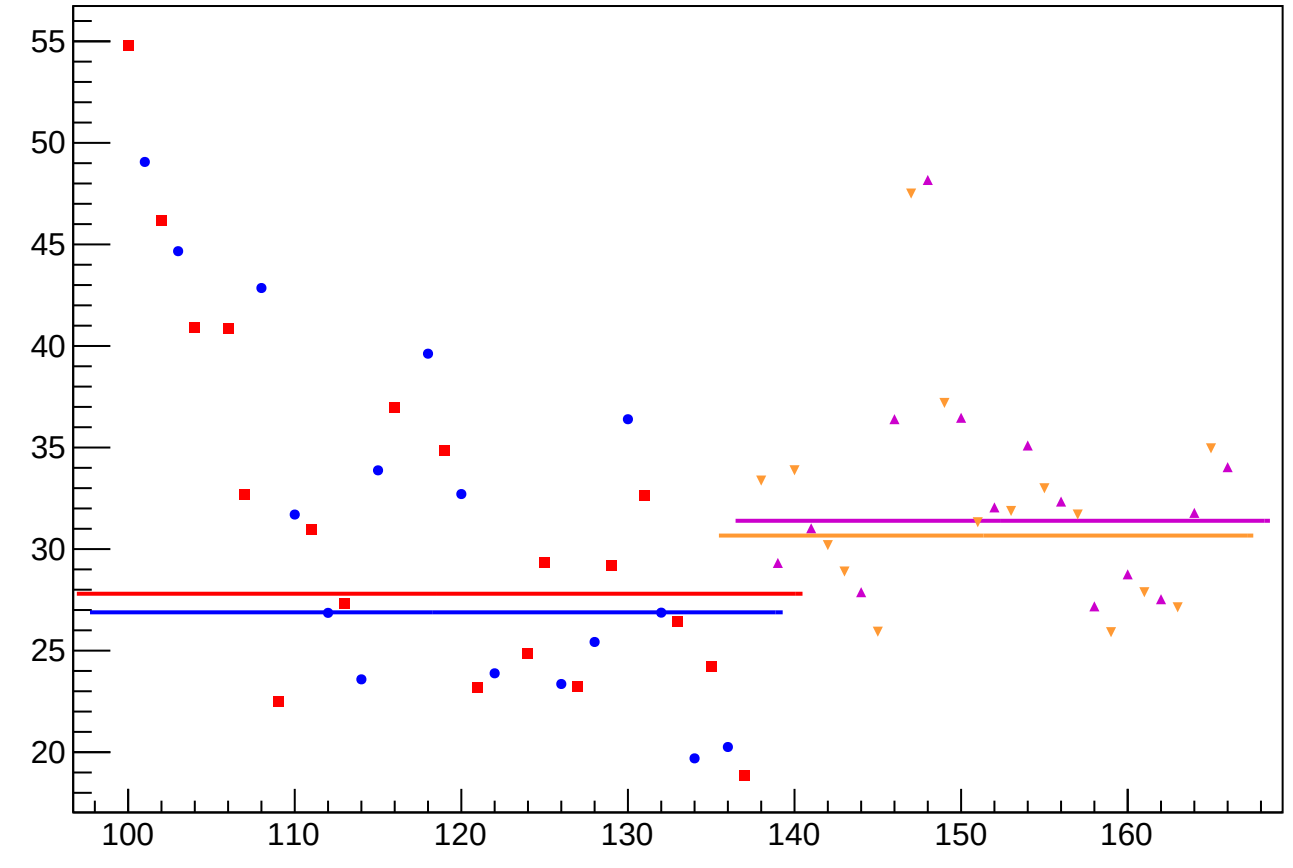
Left: -0.002+/-0.007 χ^2/NDF: 32.3/28

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.009+/-0.005 χ^2/NDF: 61.3/63



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.393+/-0.007 χ^2/NDF:421662.0/13

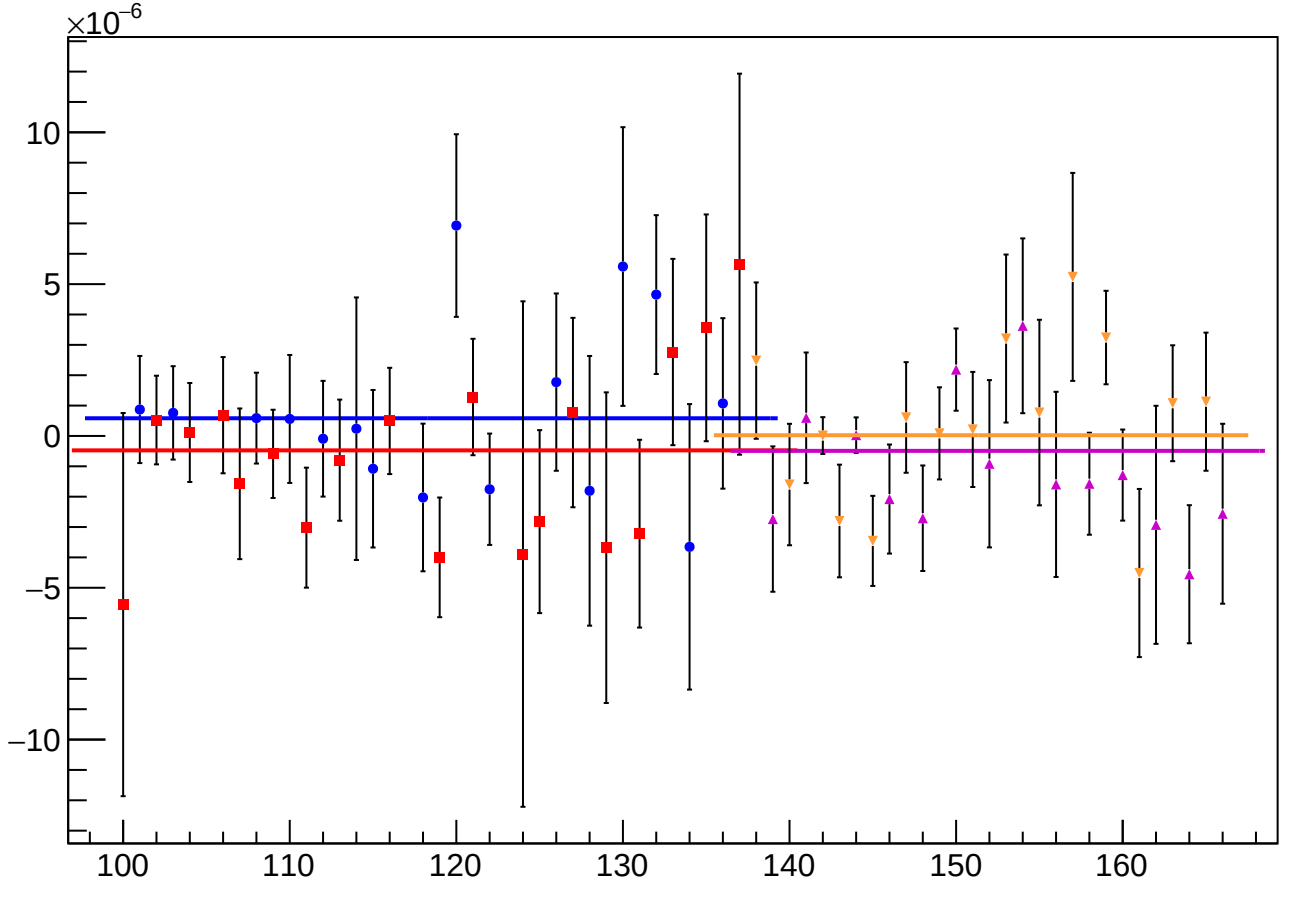
Left: 31.016+/-0.005 χ^2/NDF: 902725.2/28

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.392+/-0.005 χ^2/NDF:1746765.3/29

Out: 29.450+/-0.005 χ^2/NDF:1322882.4/33

All: 29.421+/-0.003 χ^2/NDF: 3069716.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/13

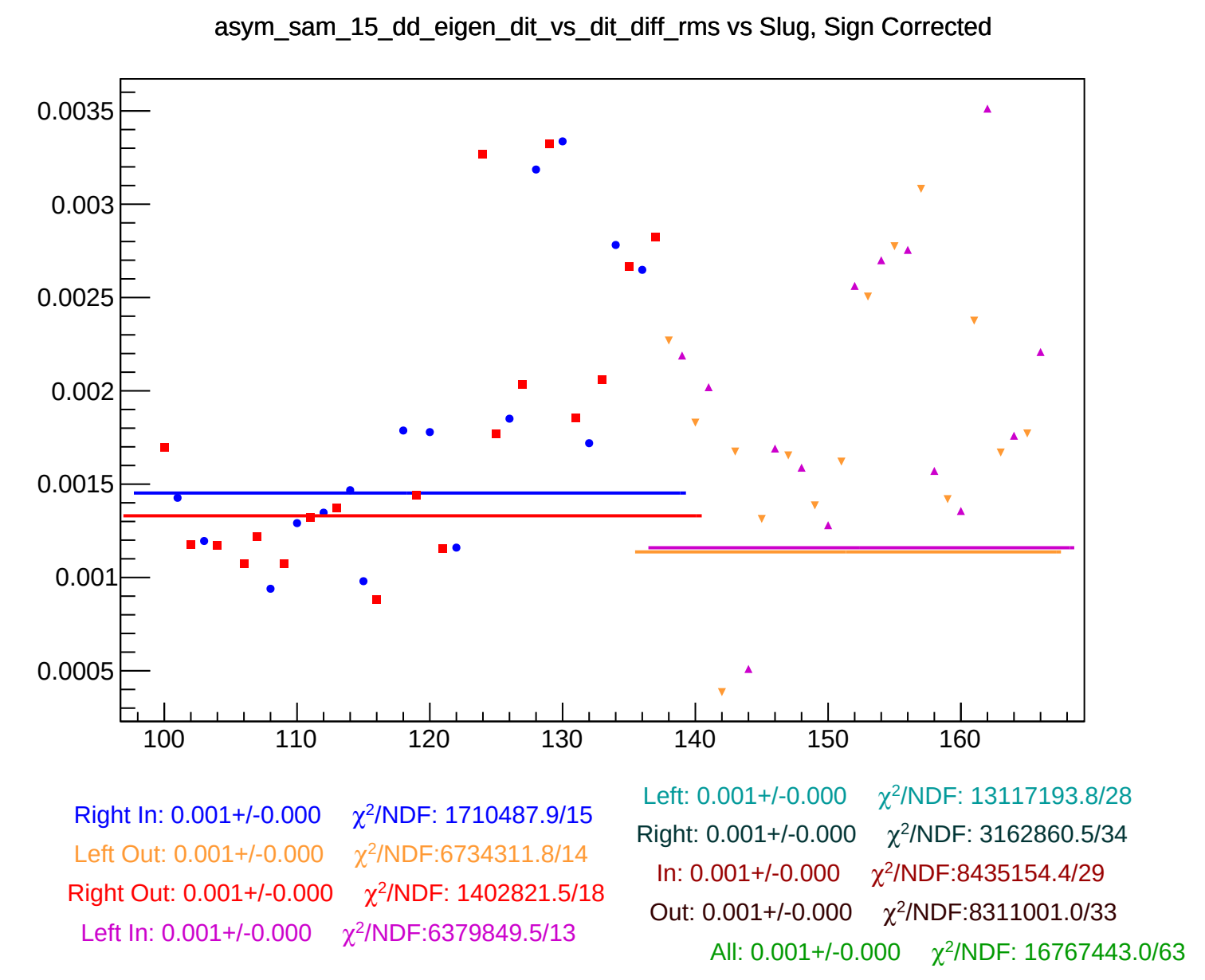
Left: -0.000+/-0.000 χ^2/NDF: 36.8/28

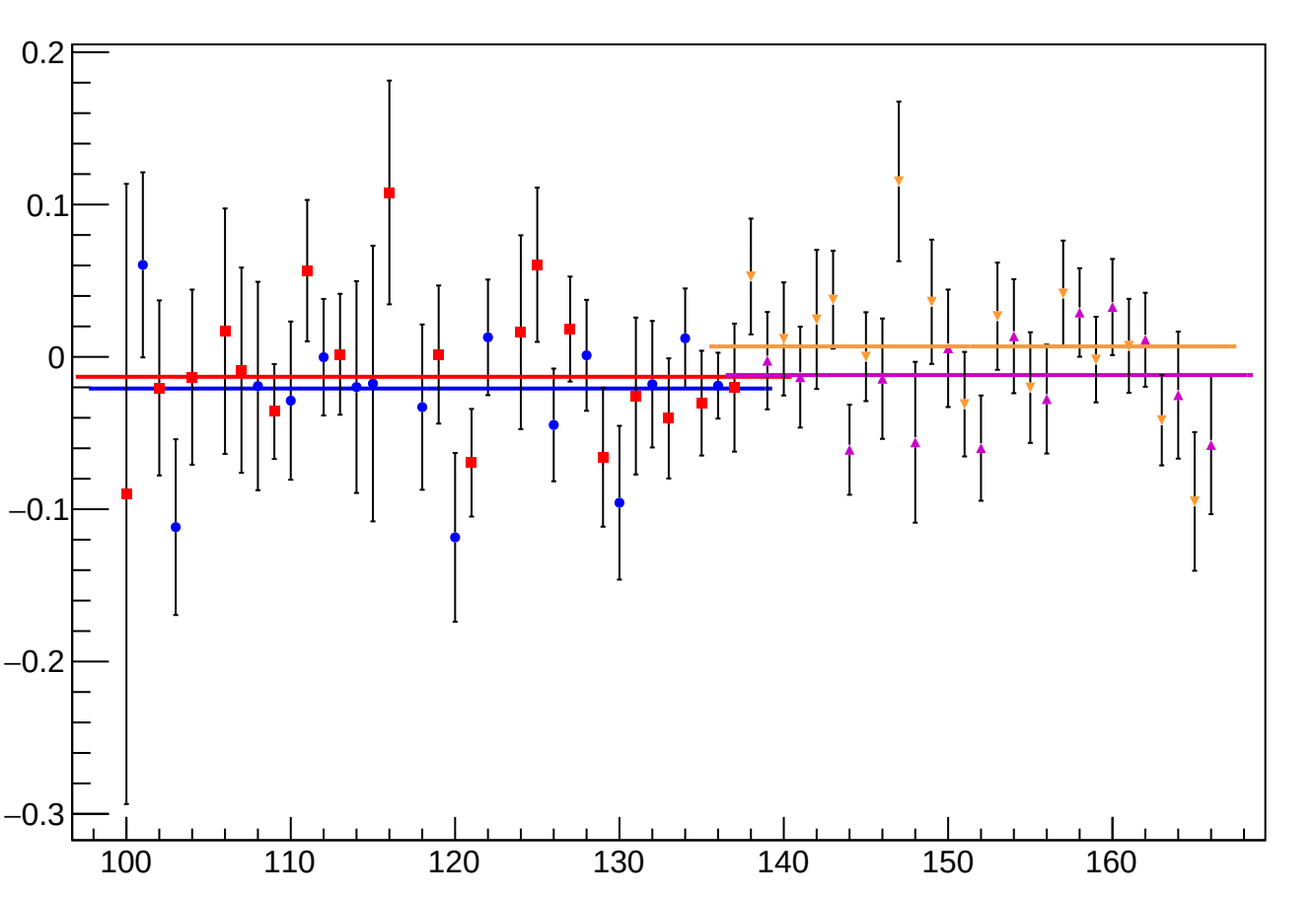
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:30.2/29

Out: -0.000+/-0.000 χ^2/NDF:34.6/33

All: -0.000+/-0.000 χ^2/NDF: 64.8/63


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6734311.8/14
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6379849.5/13
Left: 0.001+/-0.000 χ²/NDF: 13117193.8/28
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8435154.4/29
Out: 0.001+/-0.000 χ²/NDF:8311001.0/33
All: 0.001+/-0.000 χ²/NDF: 16767443.0/63



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.009 χ^2/NDF:12.0/13

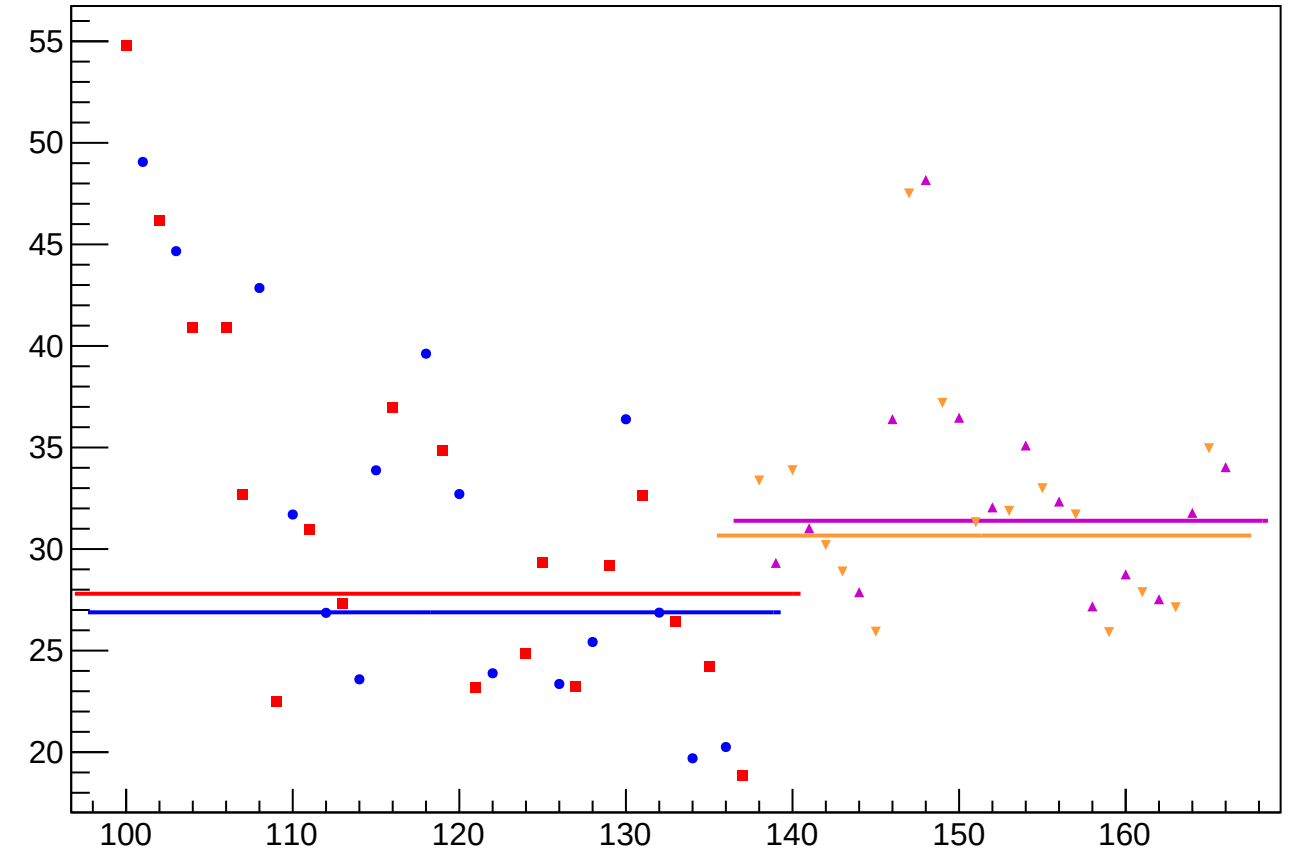
Left: -0.002+/-0.007 χ^2/NDF: 32.3/28

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:25.0/29

Out: -0.002+/-0.007 χ^2/NDF:34.2/33

All: -0.009+/-0.005 χ^2/NDF: 61.3/63



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.393+/-0.007 χ^2/NDF:421760.8/13

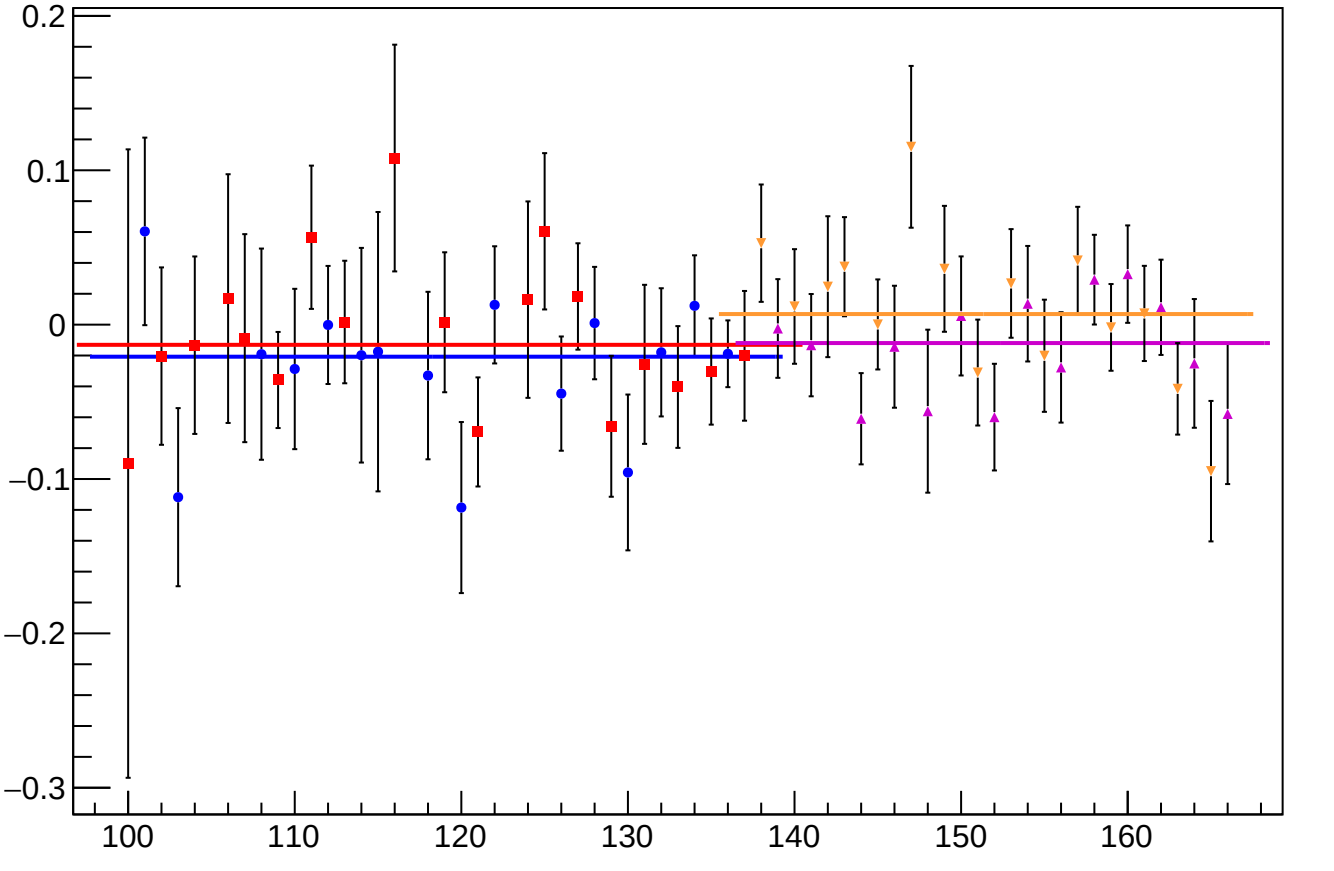
Left: 31.016+/-0.005 χ^2/NDF: 902947.0/28

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

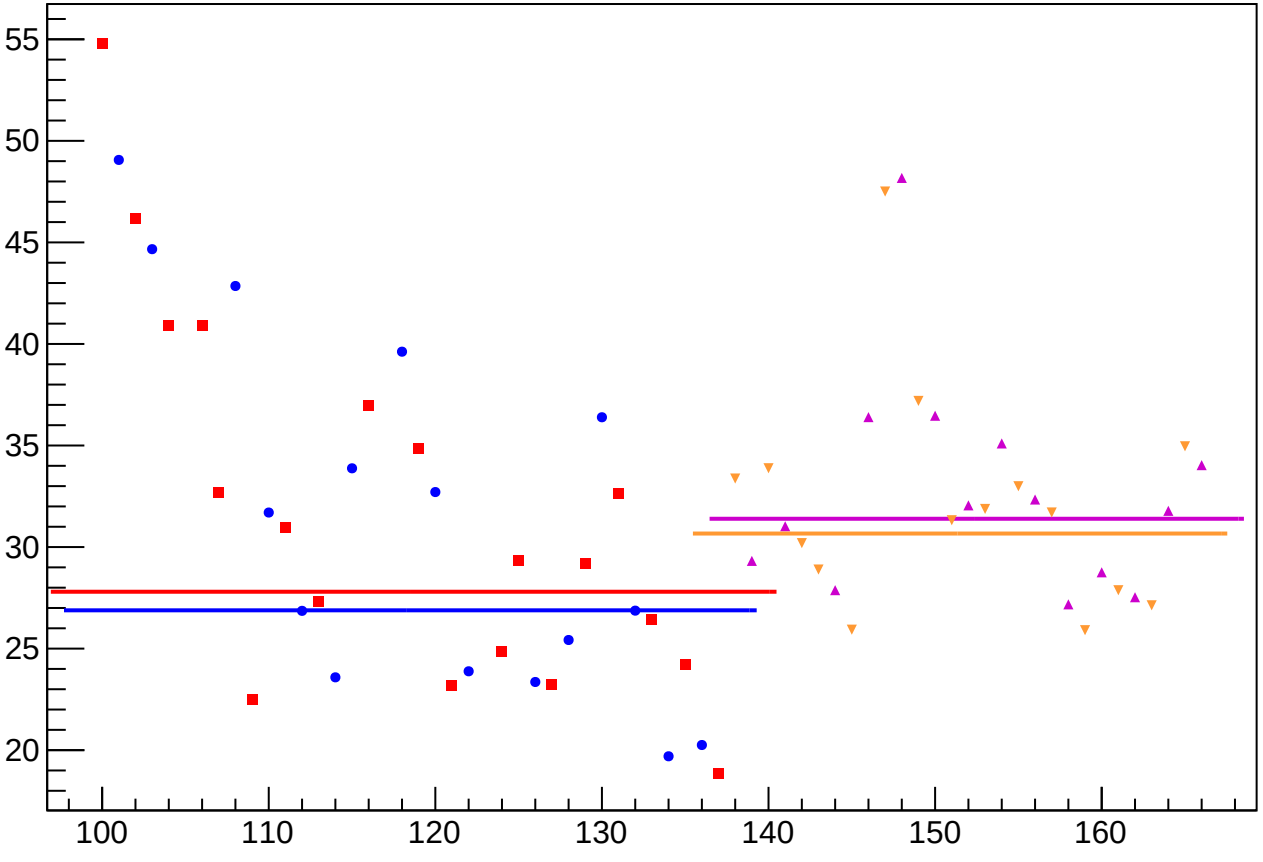
In: 29.391+/-0.005 χ^2/NDF:1746948.9/29

Out: 29.449+/-0.005 χ^2/NDF:1323190.3/33

All: 29.421+/-0.003 χ^2/NDF: 3070207.8/63


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.007+/-0.009 χ²/NDF:18.2/14
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.012+/-0.009 χ²/NDF:12.0/13
Left: -0.002+/-0.007 χ²/NDF: 32.3/28
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.016+/-0.007 χ²/NDF:25.0/29
Out: -0.002+/-0.007 χ²/NDF:34.2/33
All: -0.009+/-0.005 χ²/NDF: 61.3/63

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.393+/-0.007 χ^2/NDF:421760.8/13

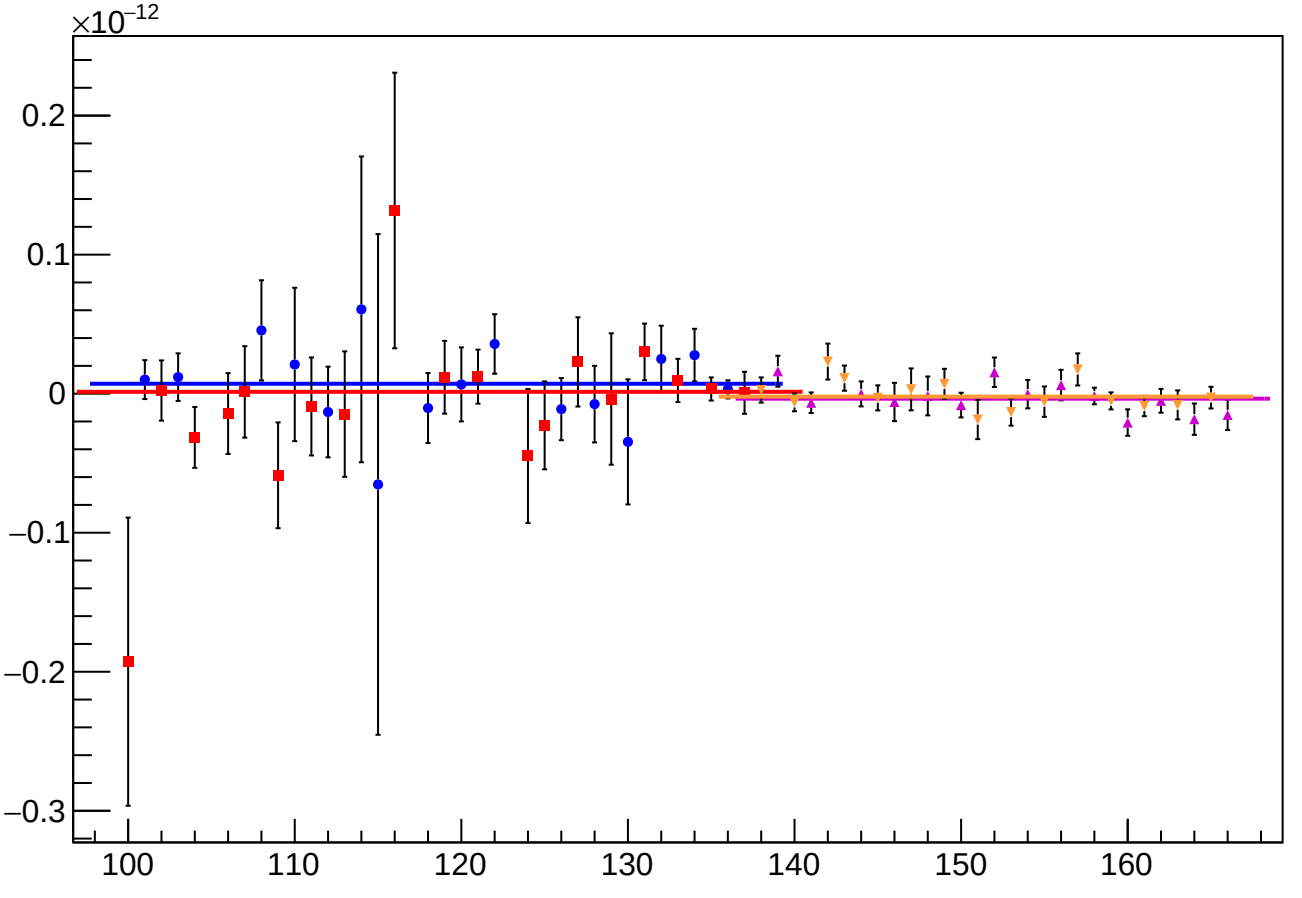
Left: 31.016+/-0.005 χ^2/NDF: 902947.0/28

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.391+/-0.005 χ^2/NDF:1746948.9/29

Out: 29.449+/-0.005 χ^2/NDF:1323190.3/33

All: 29.421+/-0.003 χ^2/NDF: 3070207.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

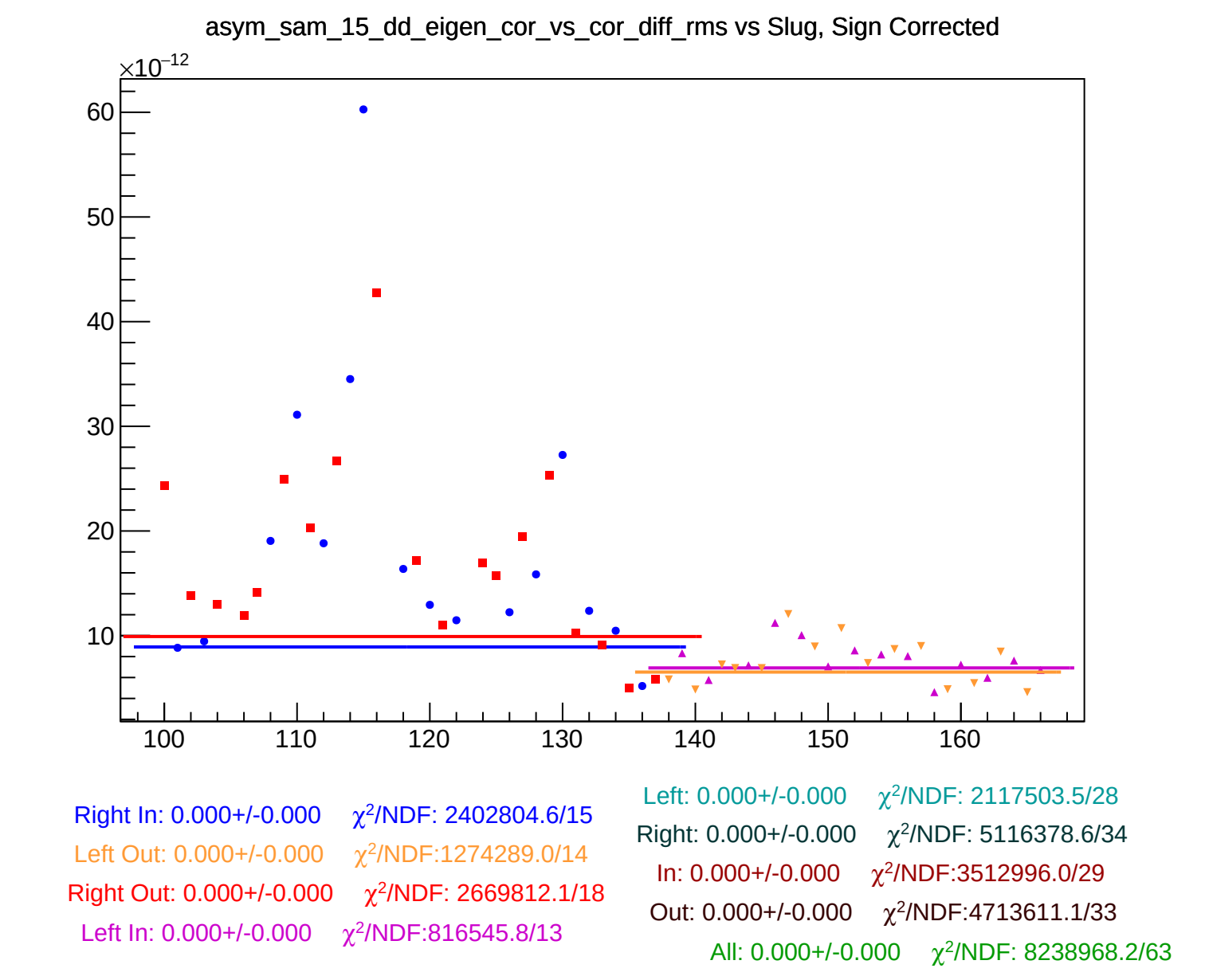
Left: -0.000+/-0.000 χ^2/NDF: 28.9/28

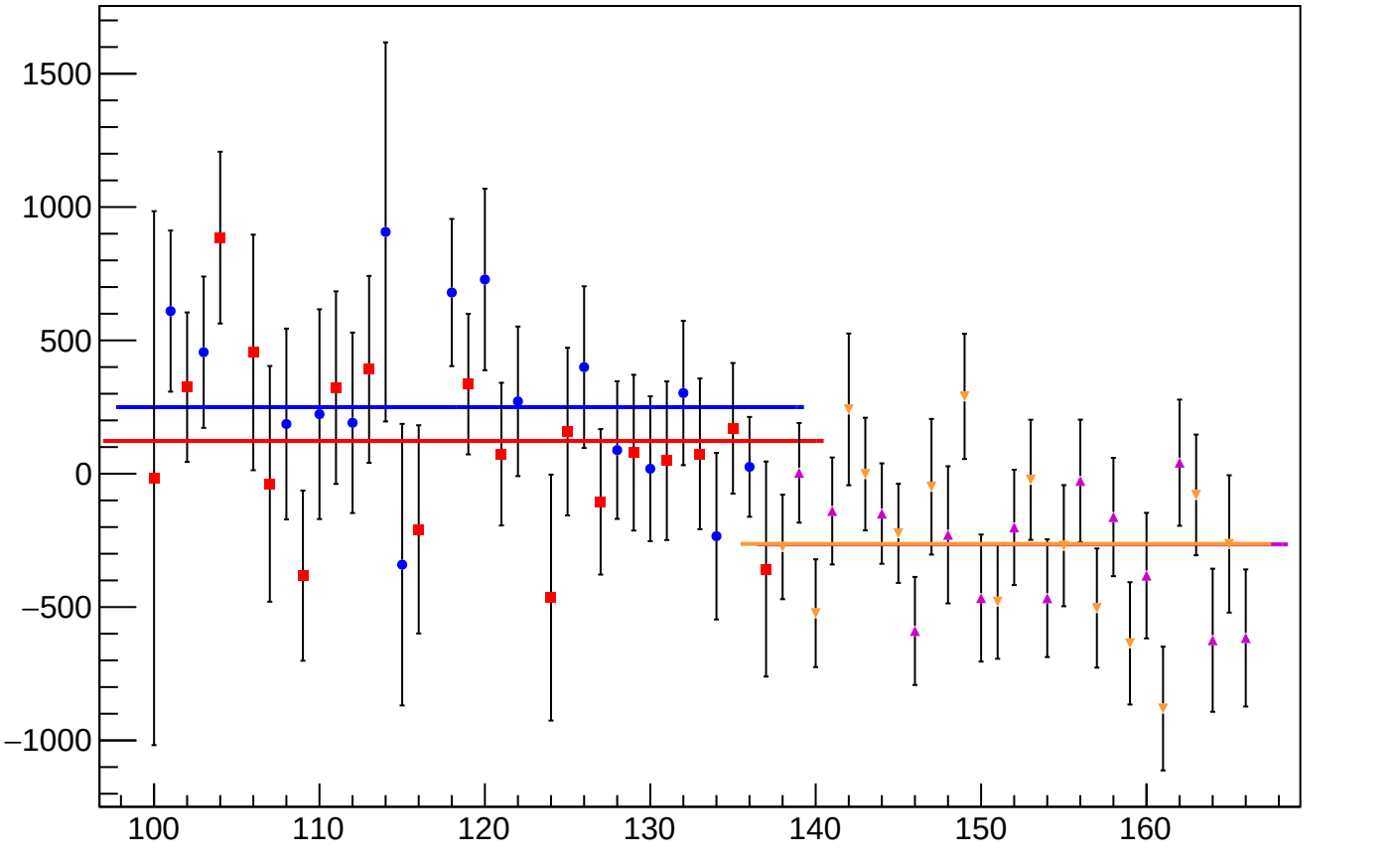
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:26.7/29

Out: -0.000+/-0.000 χ^2/NDF:30.2/33

All: -0.000+/-0.000 χ^2/NDF: 56.9/63


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1274289.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:816545.8/13
Left: 0.000+/-0.000 χ²/NDF: 2117503.5/28
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3512996.0/29
Out: 0.000+/-0.000 χ²/NDF:4713611.1/33
All: 0.000+/-0.000 χ²/NDF: 8238968.2/63



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.921+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

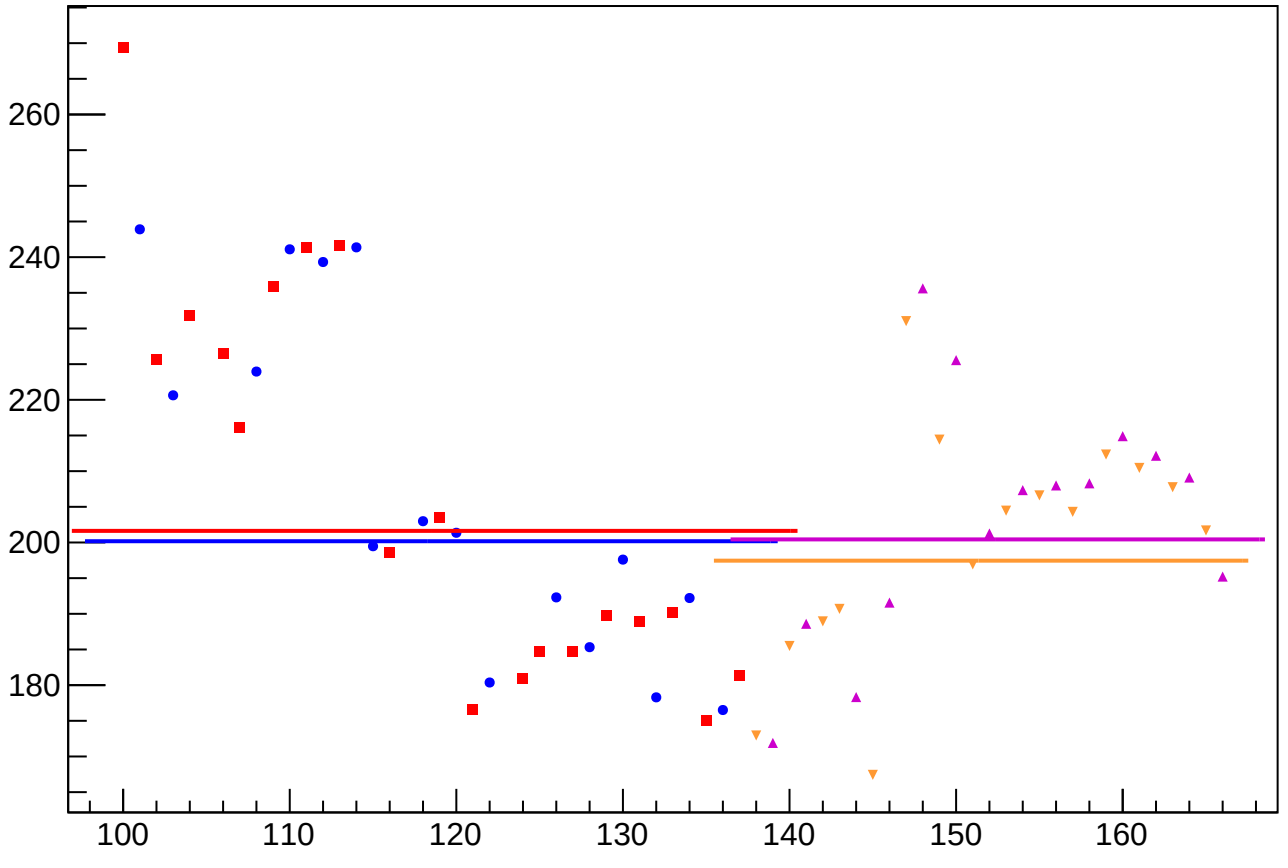
Left: -263.856+/-41.311 χ^2/NDF: 40.3/28

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -66.735+/-46.458 χ^2/NDF:56.7/29

Out: -118.104+/-45.558 χ^2/NDF:58.7/33

All: -92.922+/-32.528 χ^2/NDF: 116.1/63



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

Left: 198.901+/-0.029 χ^2/NDF: 335504.9/28

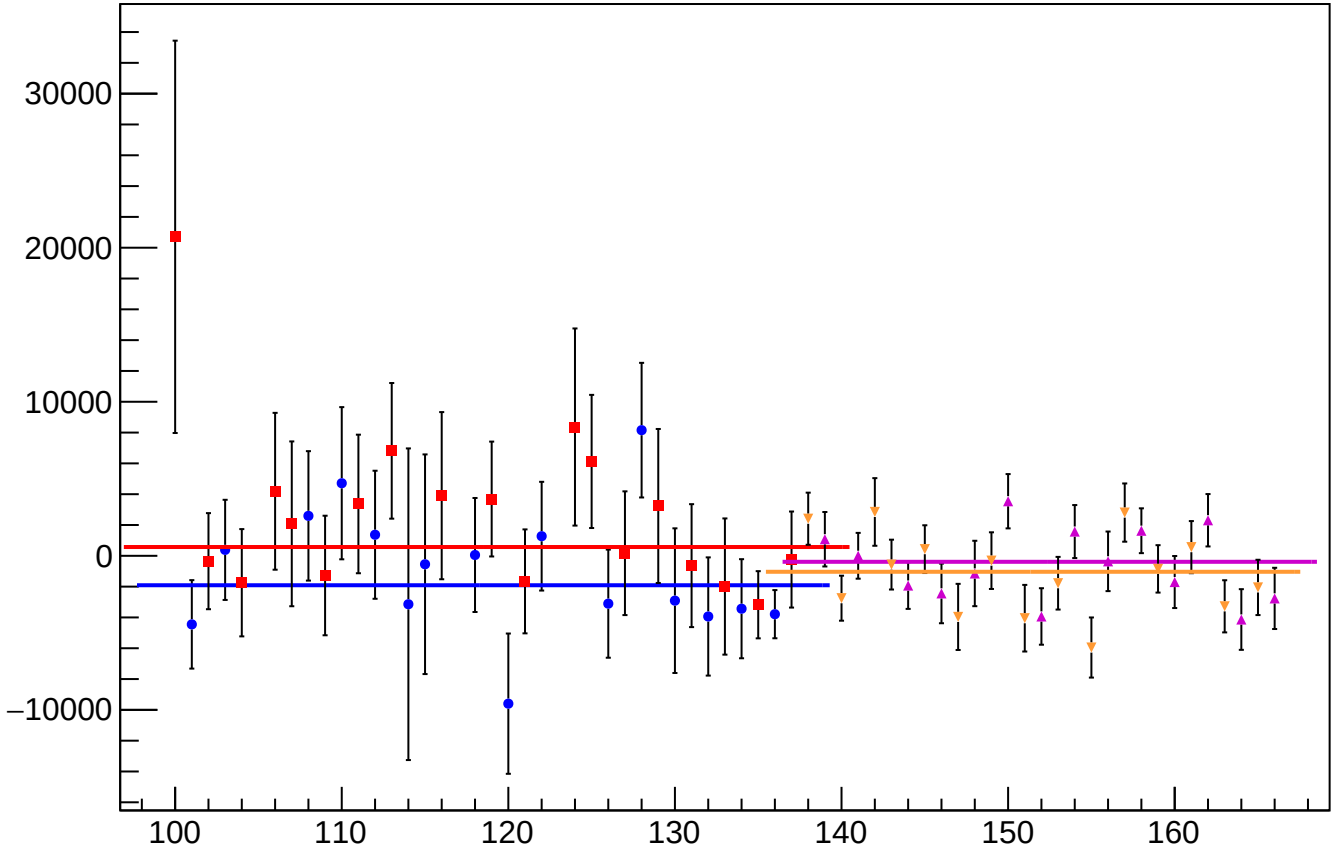
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.333+/-0.033 χ^2/NDF:347760.6/29

Out: 199.019+/-0.032 χ^2/NDF:367344.9/33

All: 199.663+/-0.023 χ^2/NDF: 715922.0/63

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1036.357+/-453.320 χ^2/NDF:27.3/14

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -388.760+/-466.212 χ^2/NDF:23.2/13

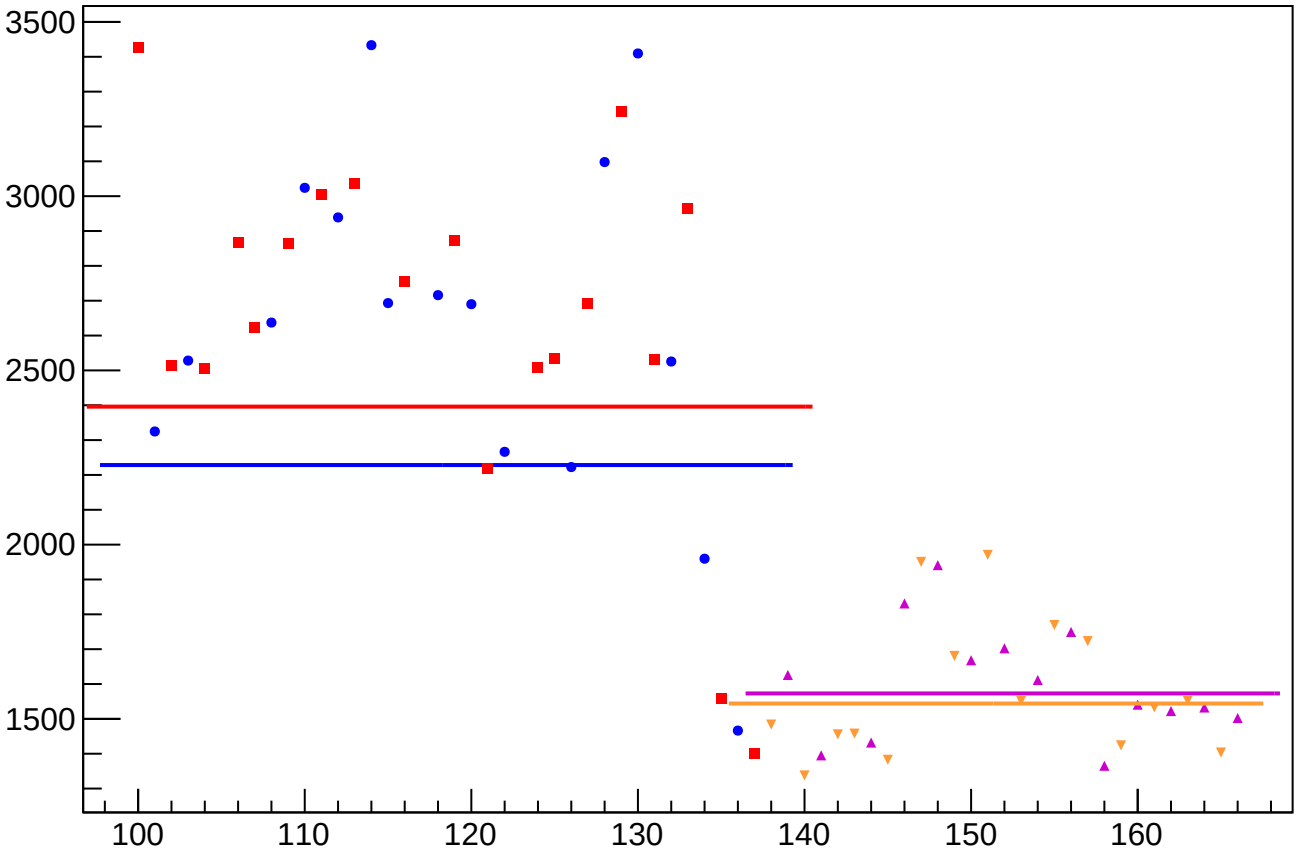
Left: -721.636+/-325.008 χ^2/NDF: 51.4/28

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -734.927+/-409.762 χ^2/NDF:41.8/29

Out: -711.359+/-404.904 χ^2/NDF:44.4/33

All: -723.002+/-288.012 χ^2/NDF: 86.3/63



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.037+/-0.321 χ^2/NDF:302919.6/14

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.6/13

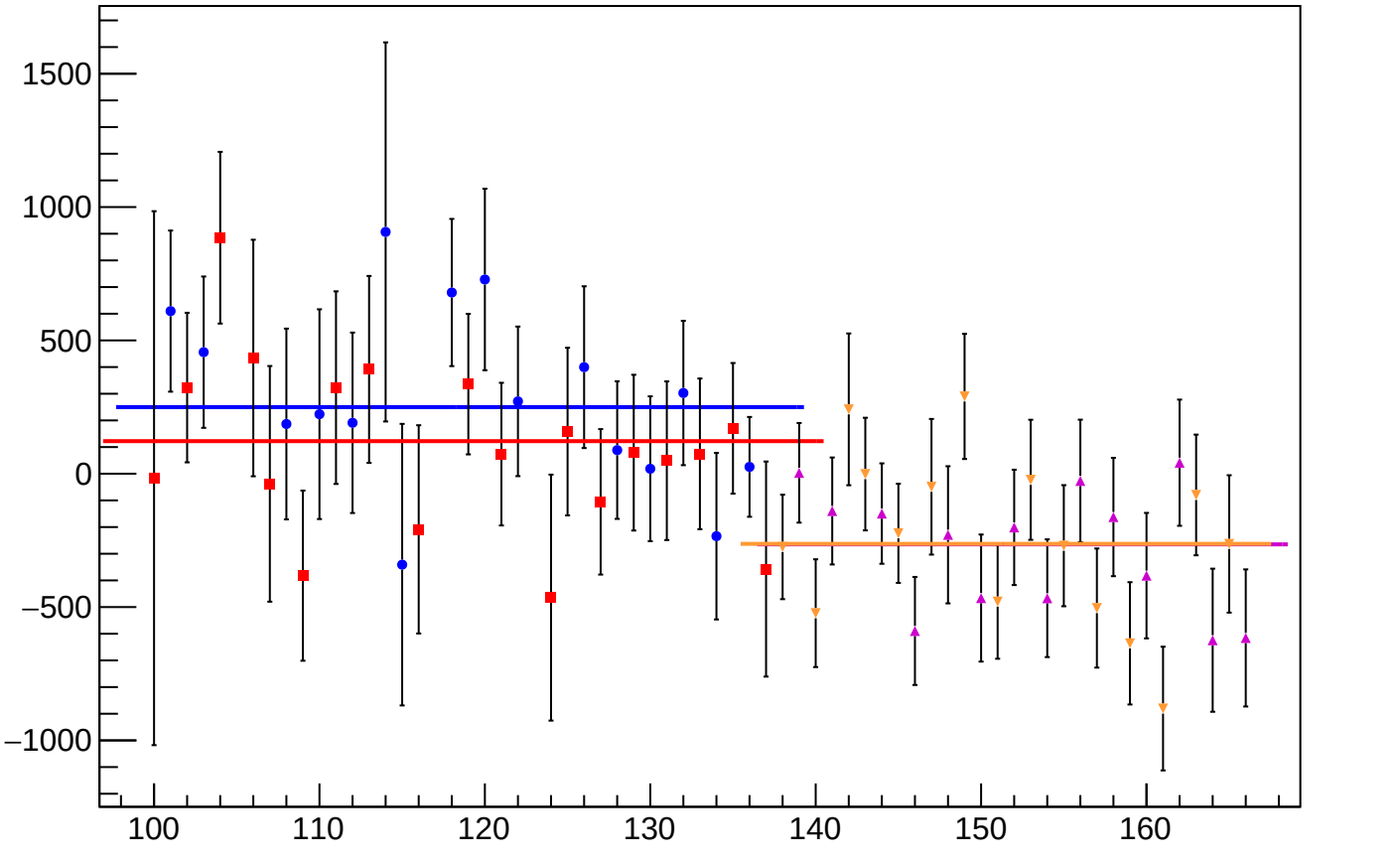
Left: 1558.120+/-0.230 χ^2/NDF: 530294.7/28

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1722.124+/-0.290 χ^2/NDF:2070321.0/29

Out: 1716.321+/-0.286 χ^2/NDF:2531011.2/33

All: 1719.188+/-0.204 χ^2/NDF: 4601535.2/63



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

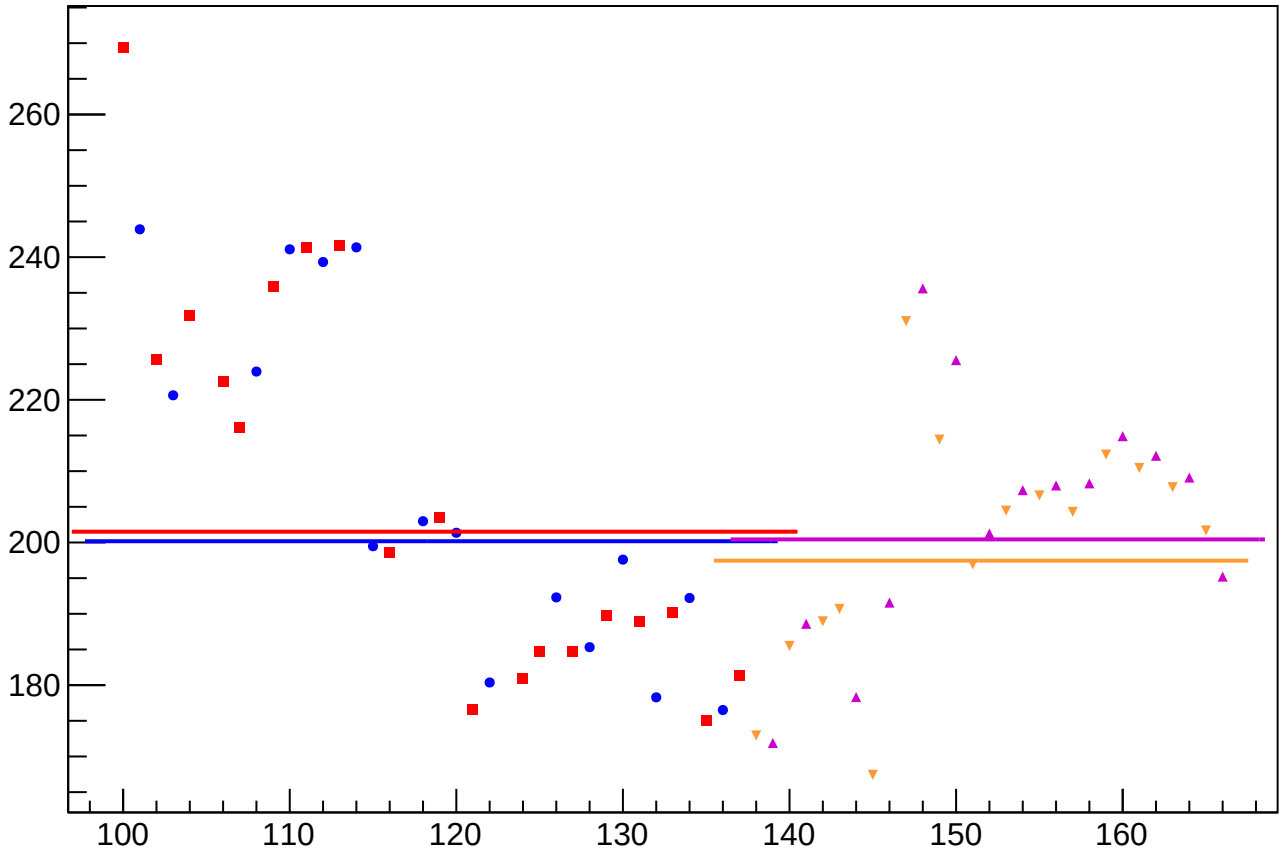
Left: -263.853+/-41.311 χ^2/NDF: 40.3/28

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -66.734+/-46.458 χ^2/NDF:56.7/29

Out: -118.419+/-45.560 χ^2/NDF:58.6/33

All: -93.081+/-32.529 χ^2/NDF: 115.9/63



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

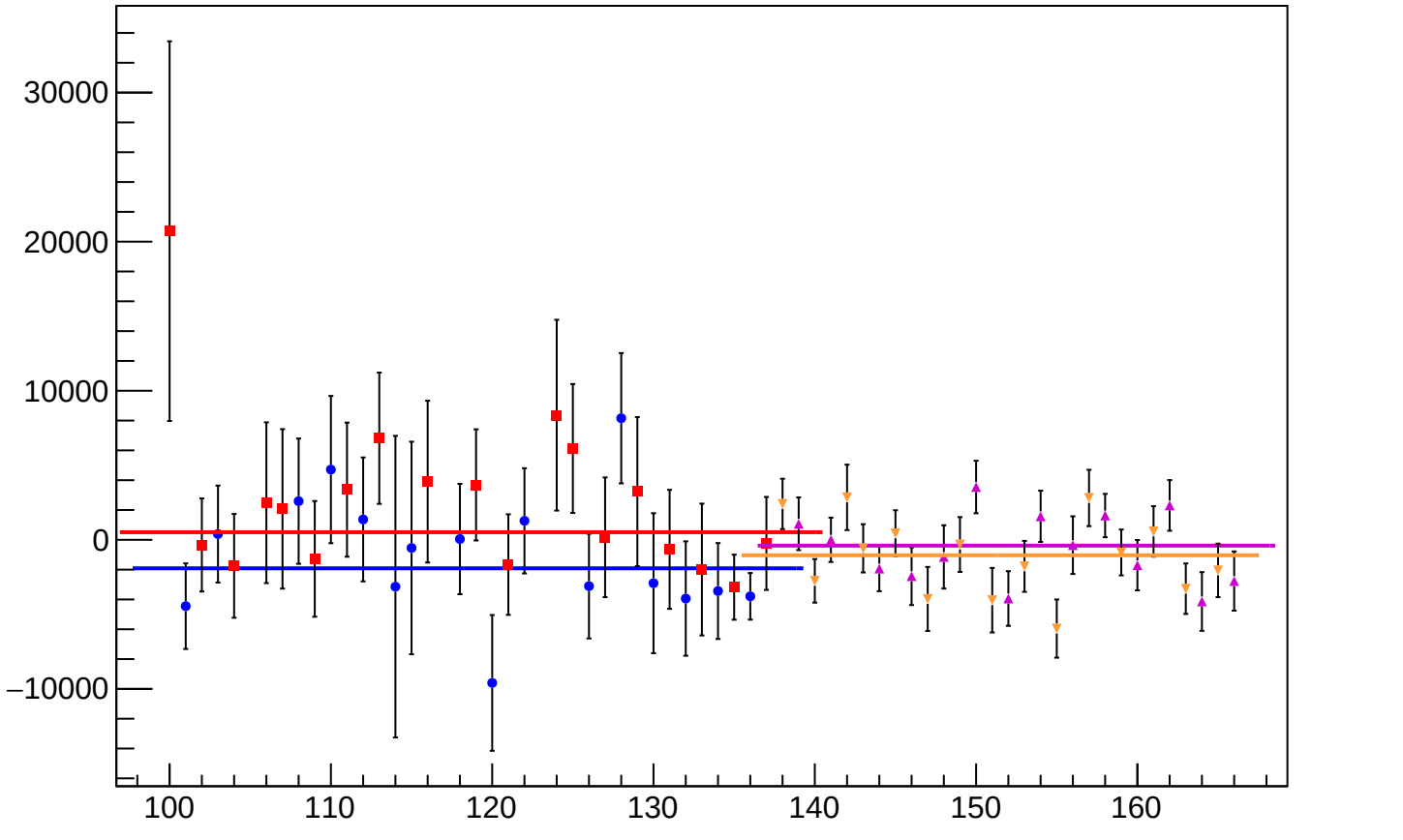
Left: 198.901+/-0.029 χ^2/NDF: 335504.9/28

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.333+/-0.033 χ^2/NDF:347760.9/29

Out: 198.976+/-0.032 χ^2/NDF:365319.9/33

All: 199.641+/-0.023 χ^2/NDF: 713951.0/63



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1036.355+/-453.320 χ^2/NDF:27.3/14

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -388.753+/-466.212 χ^2/NDF:23.2/13

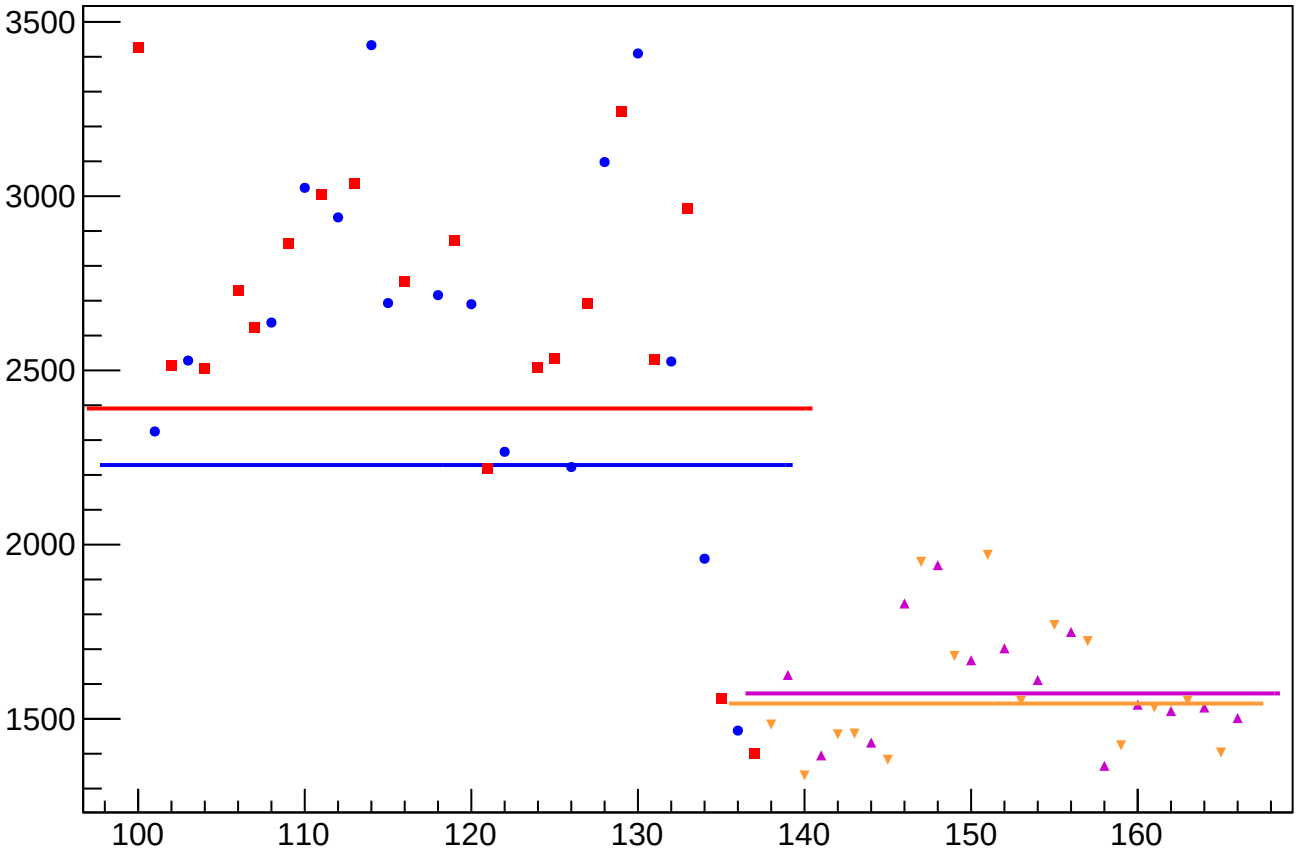
Left: -721.631+/-325.008 χ^2/NDF: 51.4/28

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -734.912+/-409.762 χ^2/NDF:41.8/29

Out: -724.287+/-405.045 χ^2/NDF:43.9/33

All: -729.538+/-288.064 χ^2/NDF: 85.7/63



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.7/13

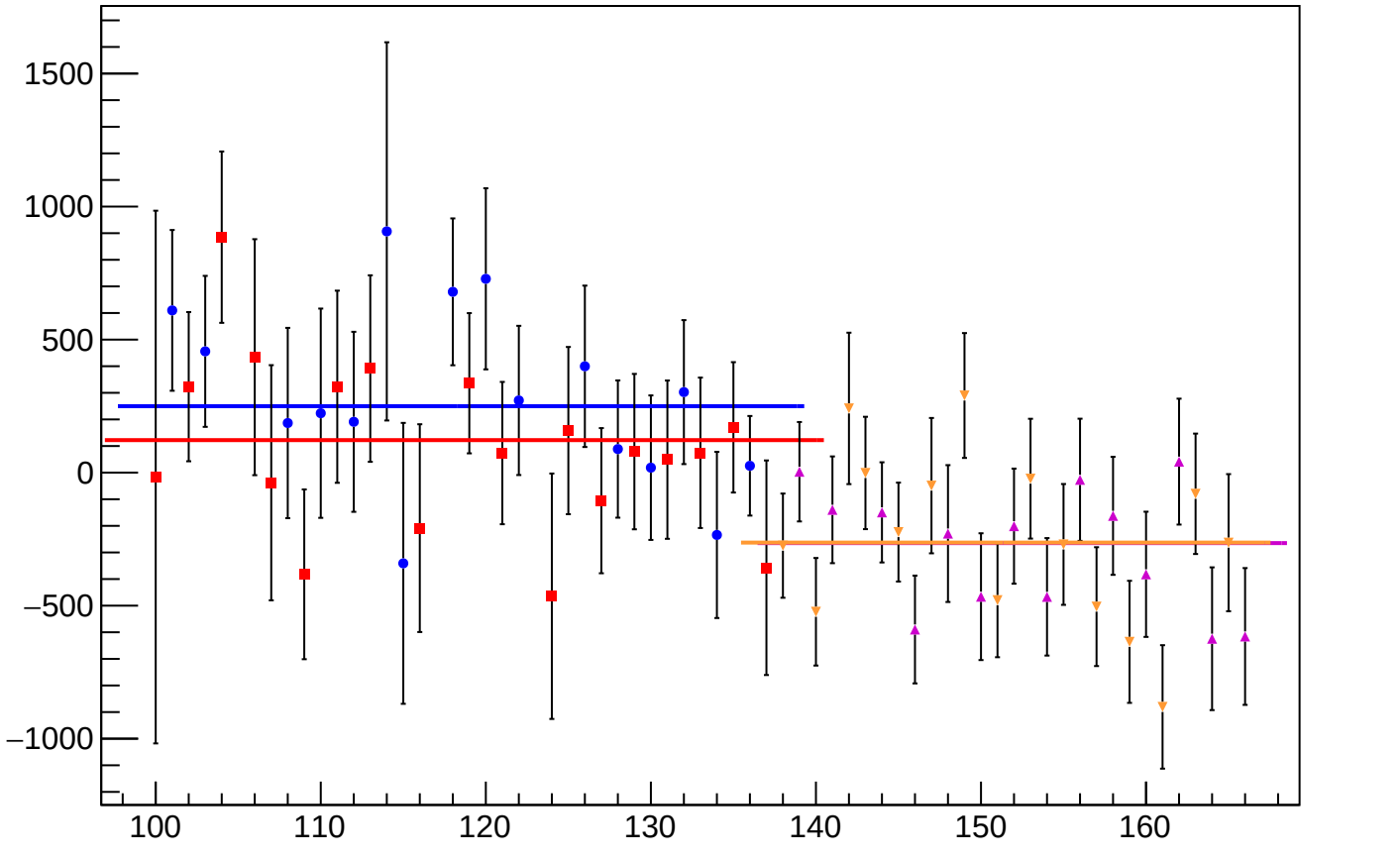
Left: 1558.120+/-0.230 χ^2/NDF: 530295.0/28

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1722.125+/-0.290 χ^2/NDF:2070331.3/29

Out: 1714.766+/-0.286 χ^2/NDF:2499791.5/33

All: 1718.403+/-0.204 χ^2/NDF: 4570449.0/63



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -264.844+/-59.240 χ^2/NDF:13.9/13

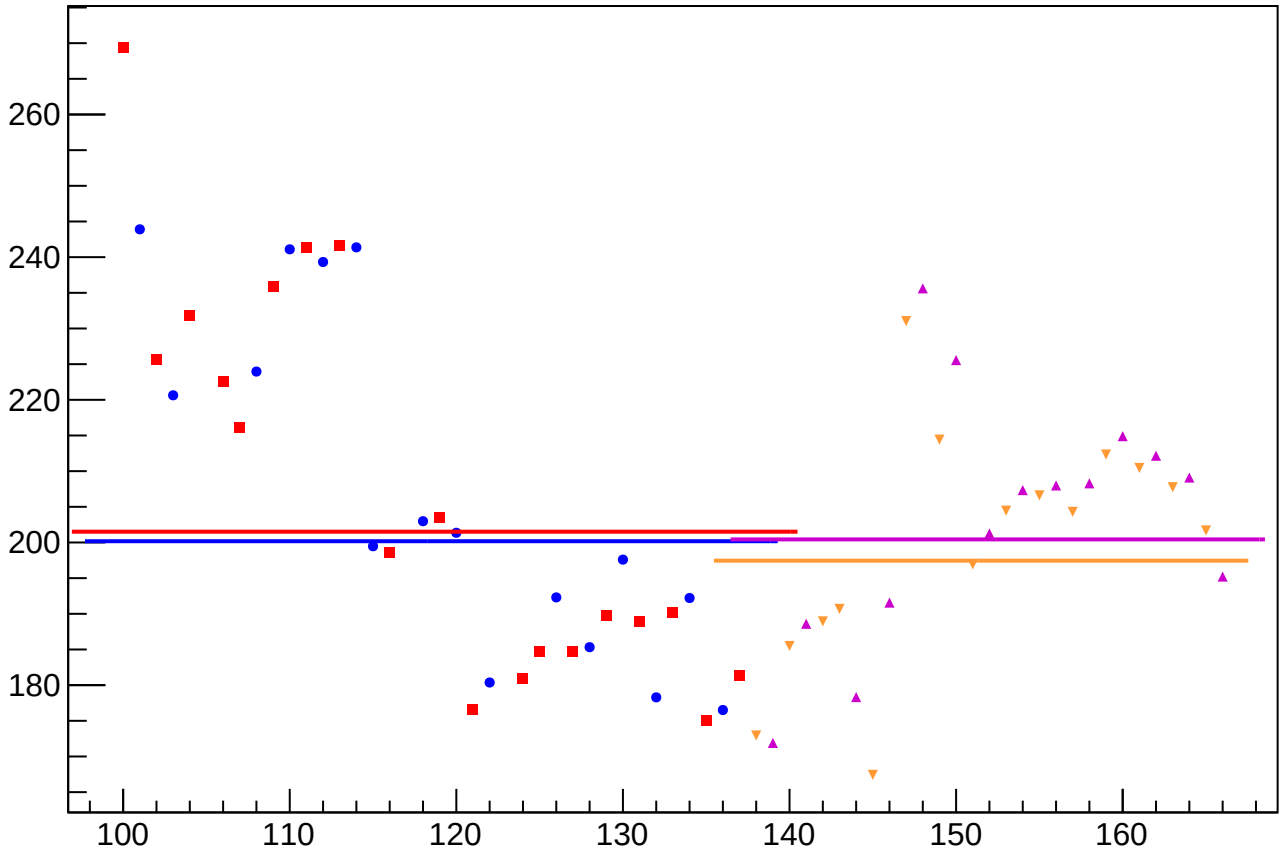
Left: -263.853+/-41.311 χ^2/NDF: 40.3/28

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -66.734+/-46.458 χ^2/NDF:56.7/29

Out: -118.419+/-45.560 χ^2/NDF:58.6/33

All: -93.081+/-32.529 χ^2/NDF: 115.9/63



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.431+/-0.042 χ^2/NDF:166745.0/13

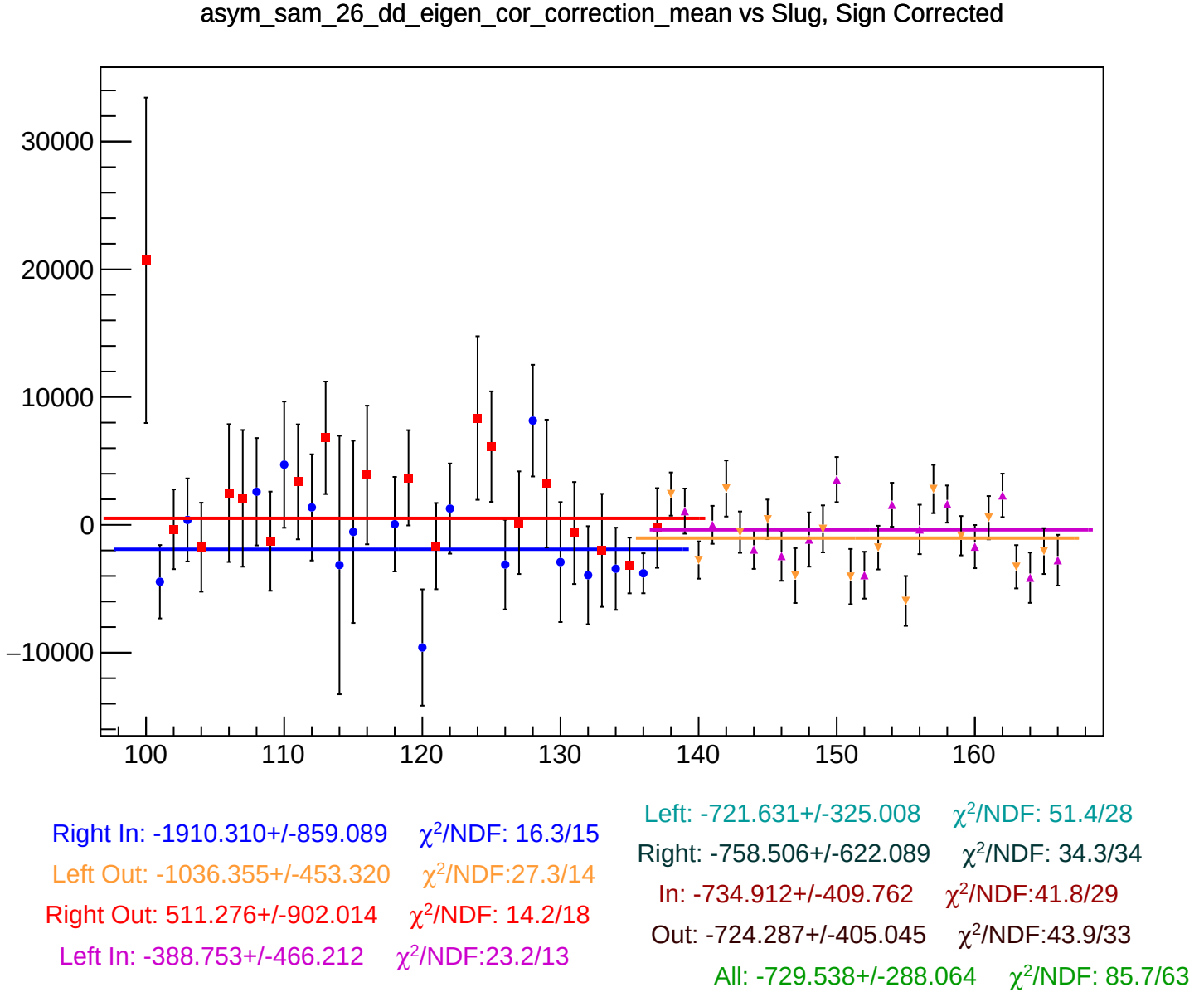
Left: 198.901+/-0.029 χ^2/NDF: 335504.9/28

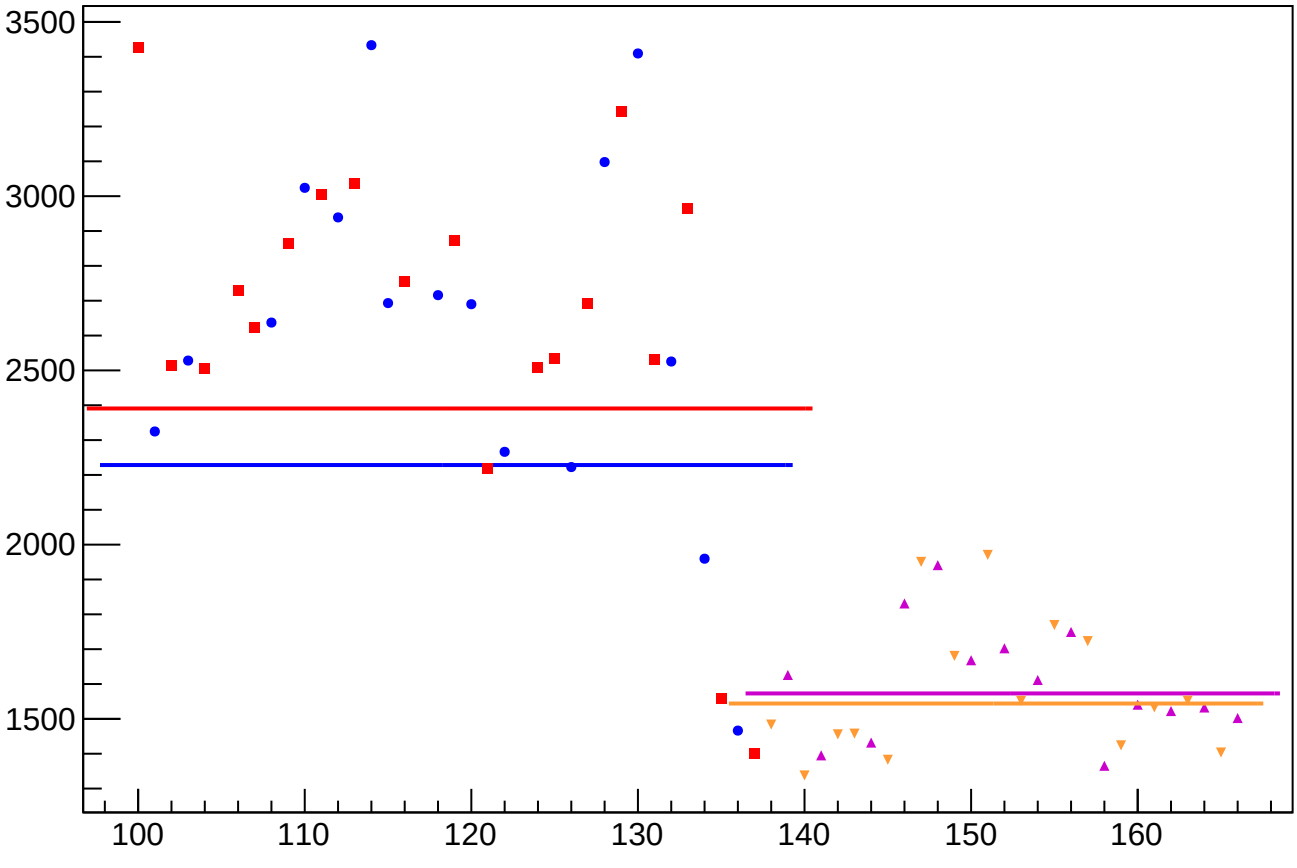
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.333+/-0.033 χ^2/NDF:347760.9/29

Out: 198.976+/-0.032 χ^2/NDF:365319.9/33

All: 199.641+/-0.023 χ^2/NDF: 713951.0/63


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -1036.355+/-453.320 χ²/NDF:27.3/14
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -388.753+/-466.212 χ²/NDF:23.2/13
Left: -721.631+/-325.008 χ²/NDF: 51.4/28
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -734.912+/-409.762 χ²/NDF:41.8/29
Out: -724.287+/-405.045 χ²/NDF:43.9/33
All: -729.538+/-288.064 χ²/NDF: 85.7/63



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1573.015+/-0.330 χ^2/NDF:223403.7/13

Left: 1558.120+/-0.230 χ^2/NDF: 530295.0/28

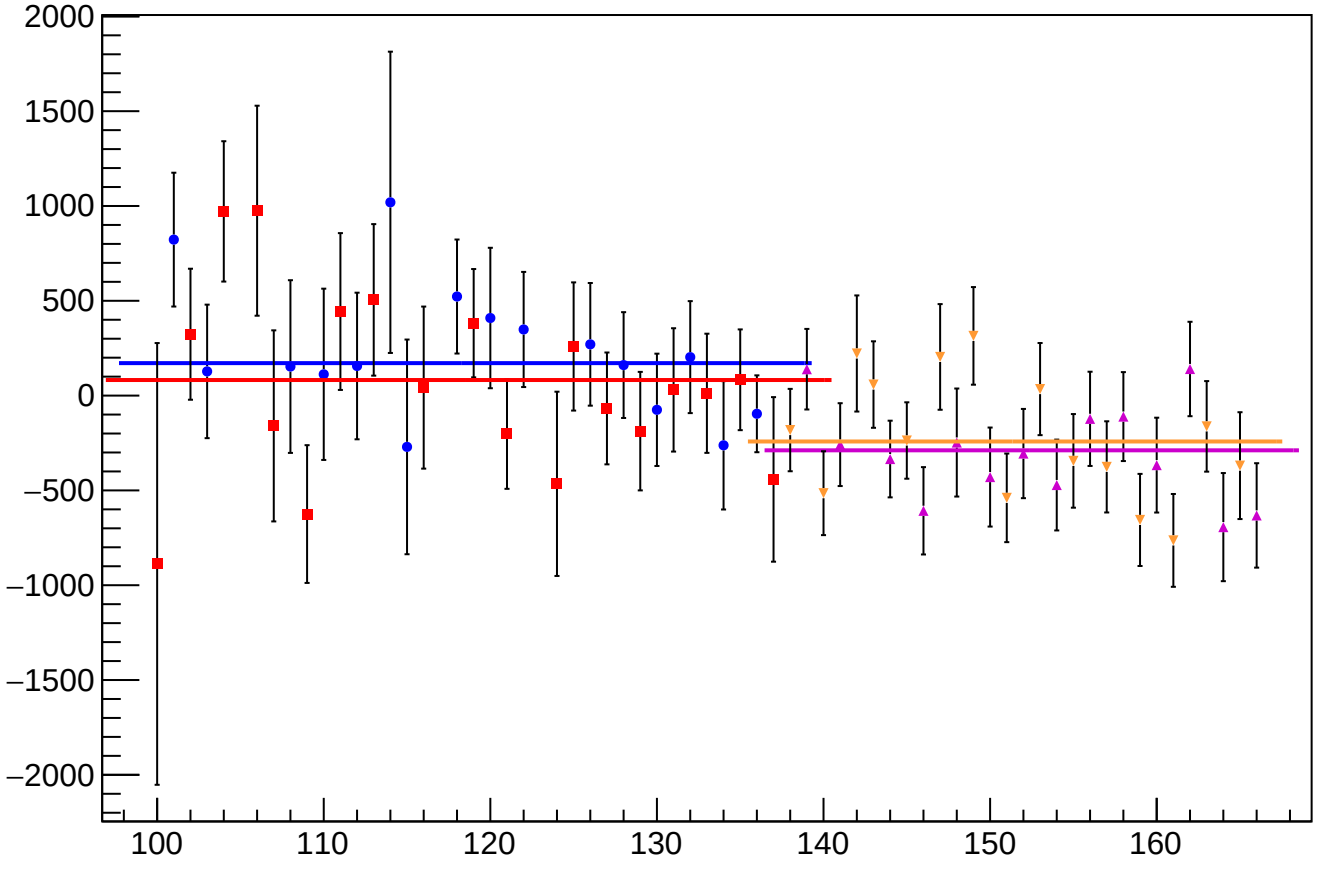
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1722.125+/-0.290 χ^2/NDF:2070331.3/29

Out: 1714.766+/-0.286 χ^2/NDF:2499791.5/33

All: 1718.403+/-0.204 χ^2/NDF: 4570449.0/63

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -241.967+/-62.392 χ^2/NDF:24.0/14

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -288.609+/-64.432 χ^2/NDF:14.6/13

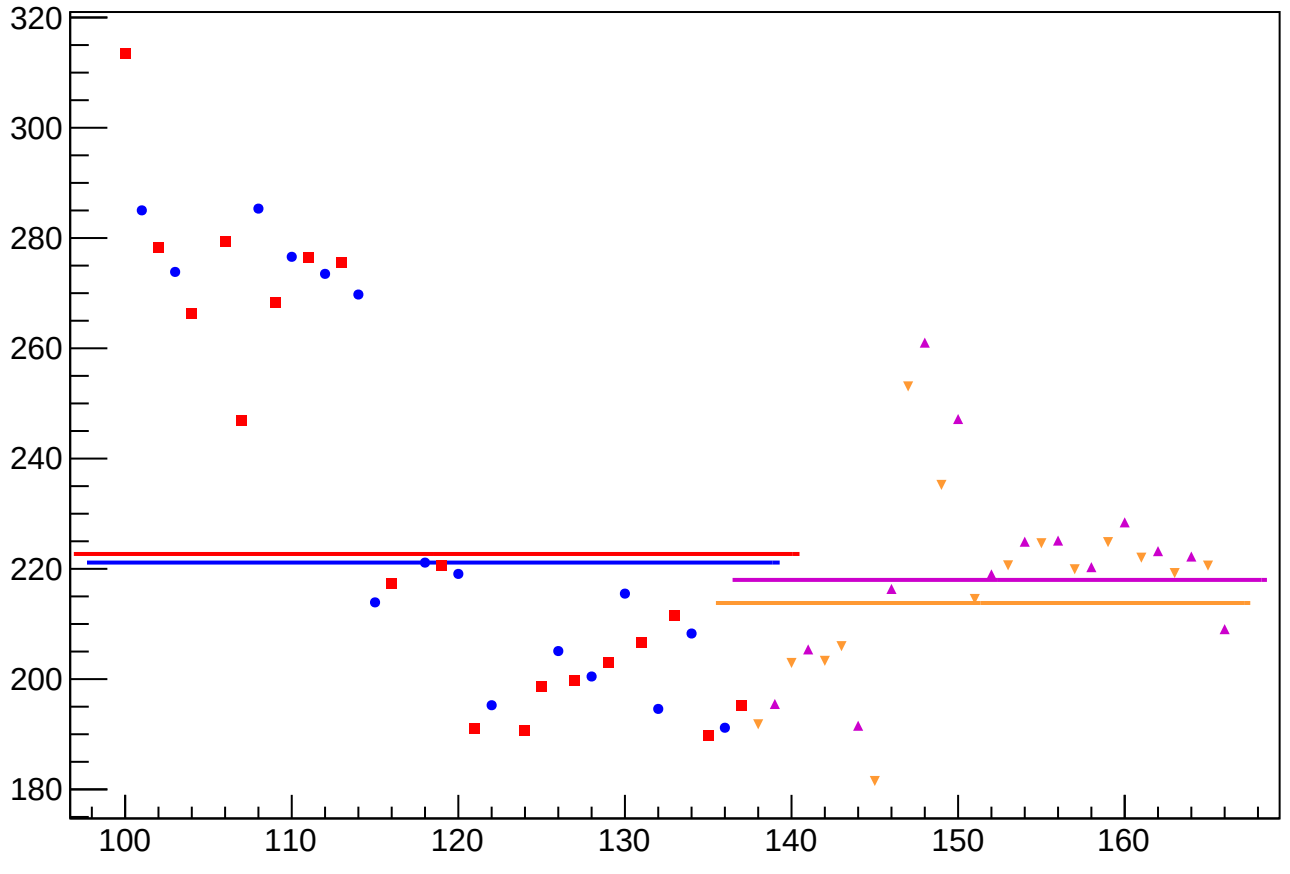
Left: -264.537+/-44.822 χ^2/NDF: 38.9/28

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -115.988+/-50.923 χ^2/NDF:45.2/29

Out: -124.122+/-49.773 χ^2/NDF:55.5/33

All: -120.148+/-35.595 χ^2/NDF: 100.7/63



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.806+/-0.044 χ^2/NDF:150335.6/14

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.994+/-0.046 χ^2/NDF:144491.7/13

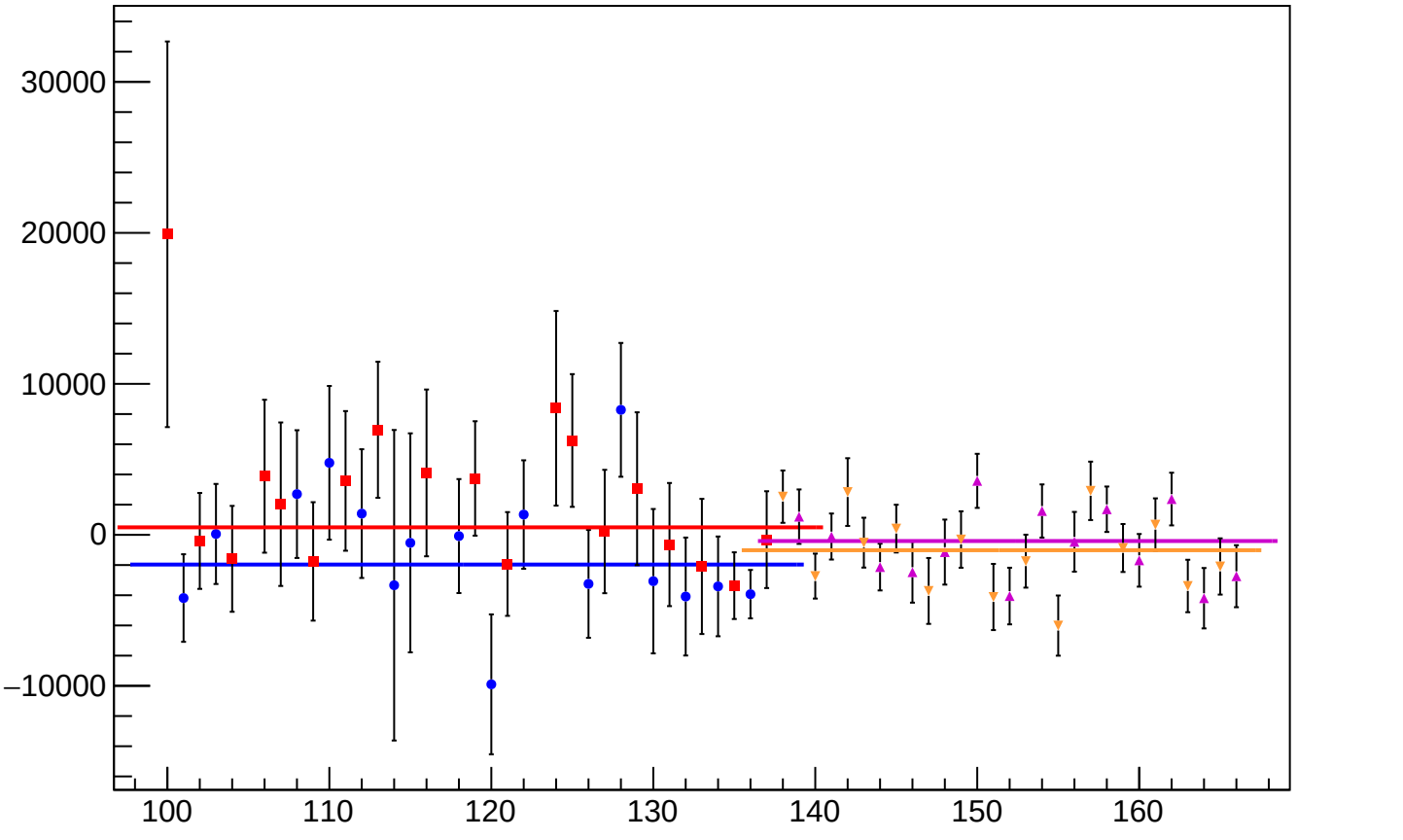
Left: 215.833+/-0.032 χ^2/NDF: 299188.7/28

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.175+/-0.036 χ^2/NDF:464982.3/29

Out: 217.039+/-0.035 χ^2/NDF:492136.3/33

All: 218.082+/-0.025 χ^2/NDF: 958918.2/63



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1018.299+/-464.051 χ^2/NDF:26.8/14

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -408.612+/-478.002 χ^2/NDF:23.2/13

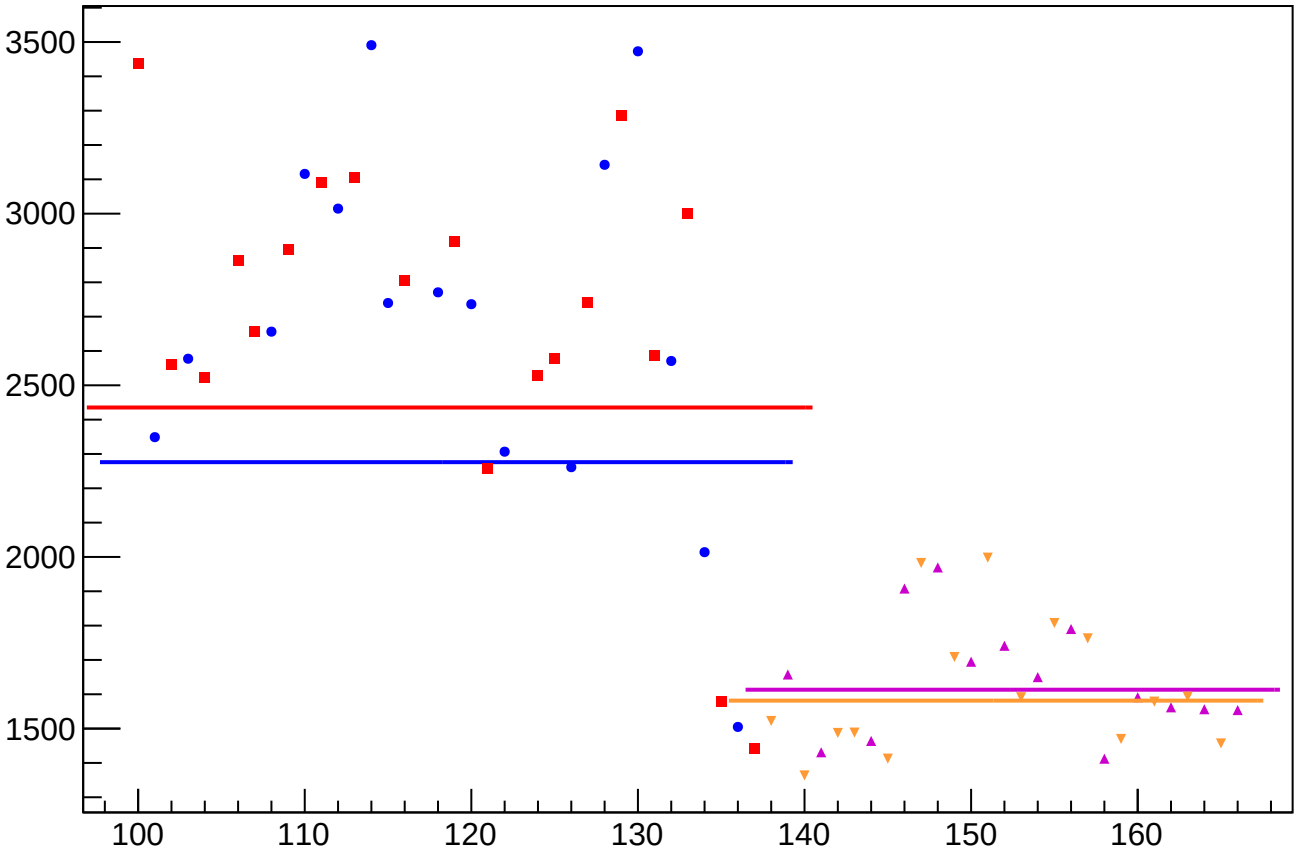
Left: -722.483+/-332.956 χ^2/NDF: 50.8/28

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -765.873+/-419.666 χ^2/NDF:41.7/29

Out: -708.099+/-413.845 χ^2/NDF:43.7/33

All: -736.583+/-294.669 χ^2/NDF: 85.5/63



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289308.5/14

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1613.265+/-0.338 χ^2/NDF:216991.9/13

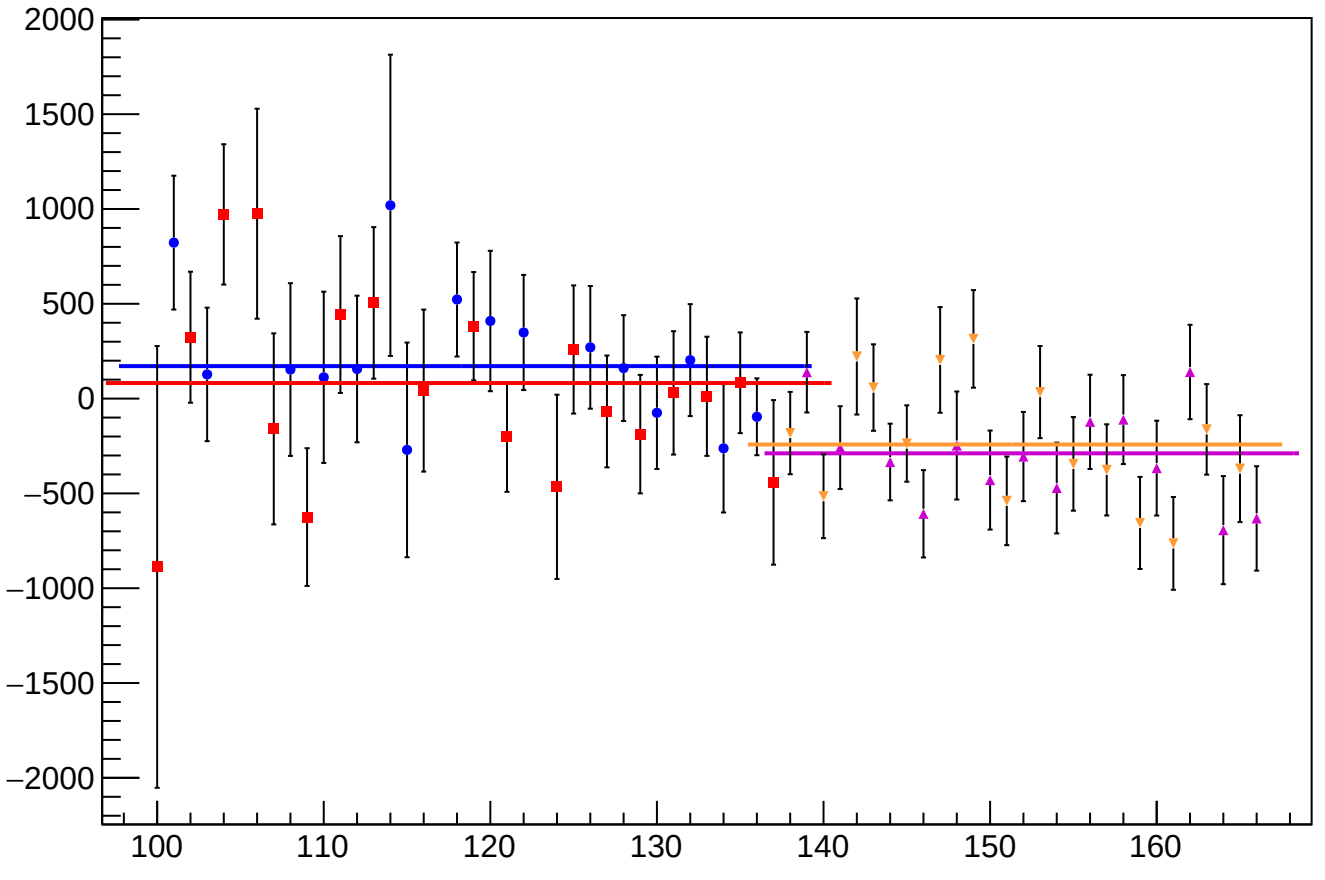
Left: 1596.907+/-0.235 χ^2/NDF: 510849.9/28

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1765.187+/-0.297 χ^2/NDF:2025473.2/29

Out: 1756.254+/-0.293 χ^2/NDF:2466746.5/33

All: 1760.658+/-0.208 χ^2/NDF: 4492679.1/63



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -241.966+/-62.392 χ^2/NDF:24.0/14

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -288.612+/-64.432 χ^2/NDF:14.6/13

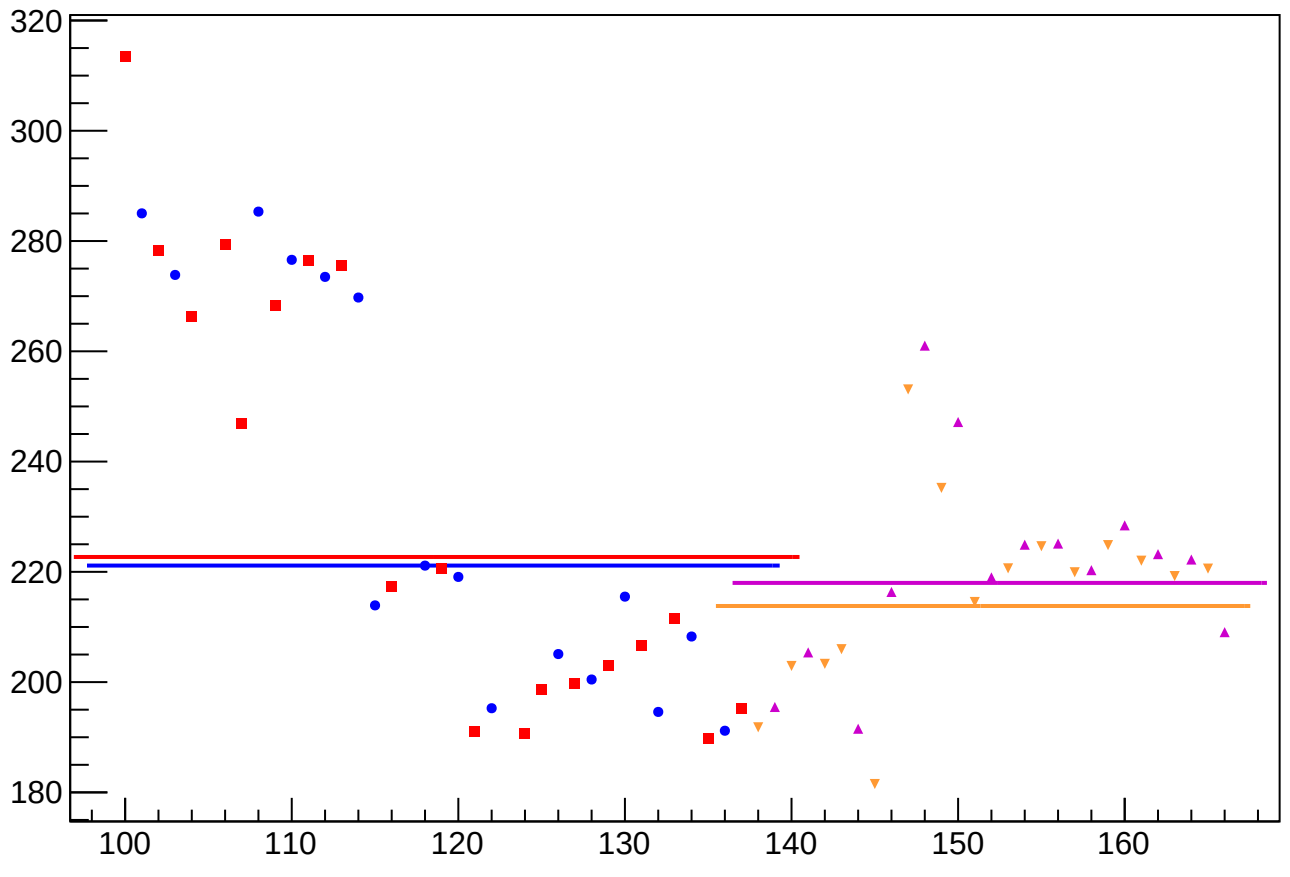
Left: -264.539+/-44.822 χ^2/NDF: 38.9/28

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -115.988+/-50.923 χ^2/NDF:45.2/29

Out: -124.122+/-49.773 χ^2/NDF:55.4/33

All: -120.148+/-35.594 χ^2/NDF: 100.7/63



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.806+/-0.044 χ^2/NDF:150339.6/14

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.994+/-0.046 χ^2/NDF:144494.0/13

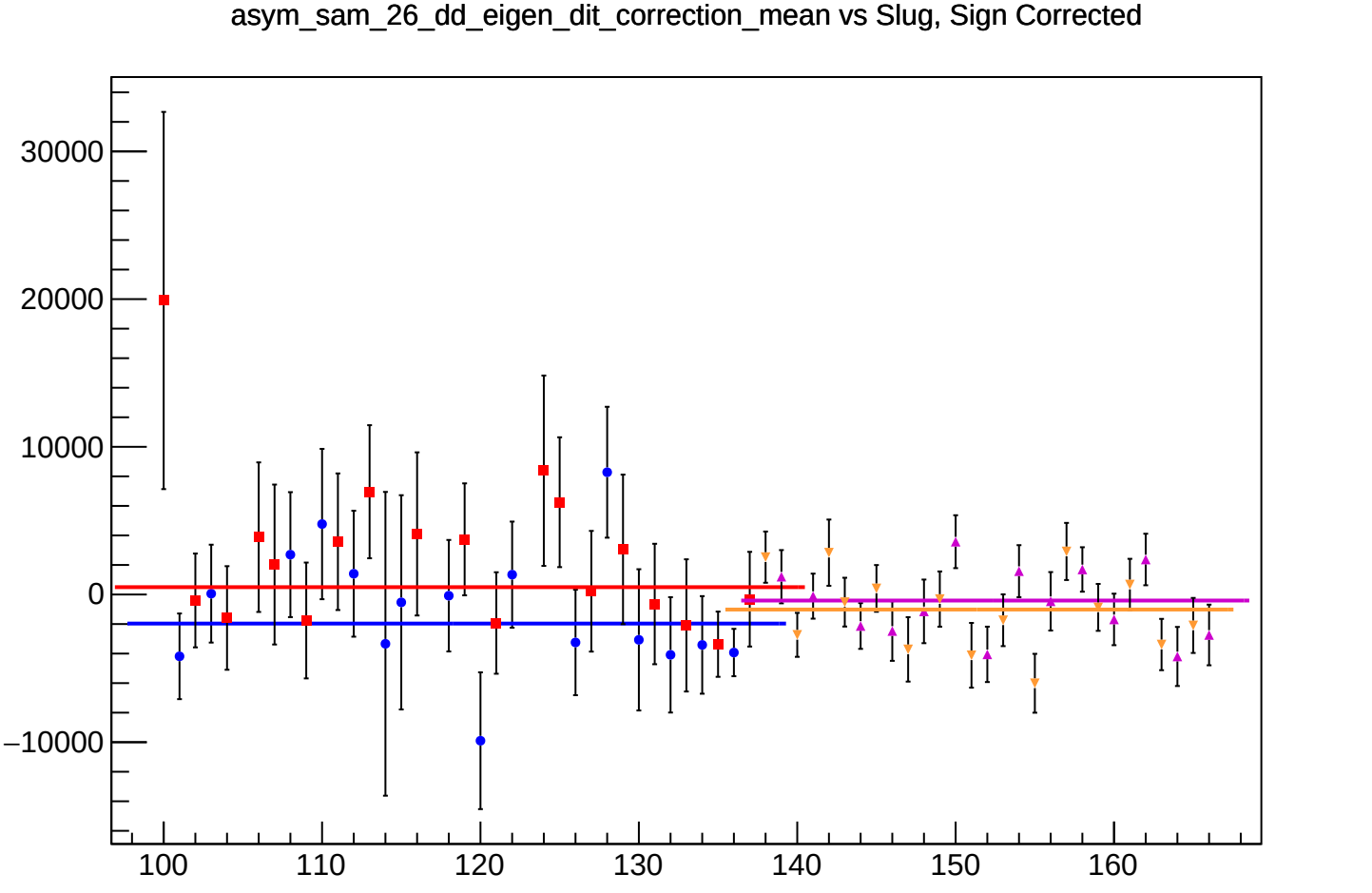
Left: 215.832+/-0.032 χ^2/NDF: 299194.6/28

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.174+/-0.036 χ^2/NDF:464978.3/29

Out: 217.038+/-0.035 χ^2/NDF:492130.5/33

All: 218.082+/-0.025 χ^2/NDF: 958908.1/63


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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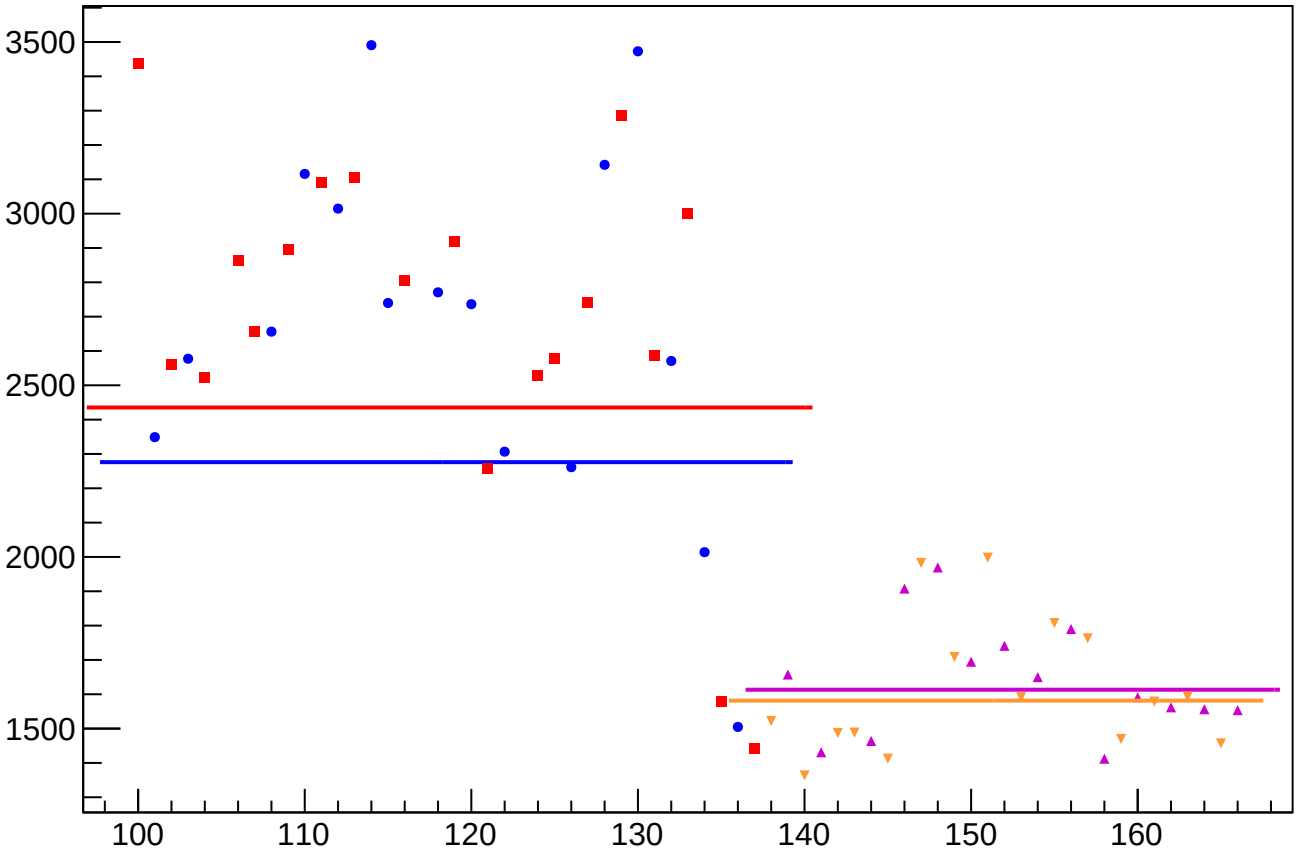
−10000
100
110
120
130
140
150
160
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -1018.297+/-464.051 χ²/NDF:26.8/14
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -408.612+/-478.002 χ²/NDF:23.2/13
Left: -722.482+/-332.956 χ²/NDF: 50.8/28
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -765.872+/-419.665 χ²/NDF:41.7/29
Out: -708.097+/-413.845 χ²/NDF:43.7/33
All: -736.581+/-294.669 χ²/NDF: 85.5/63



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289311.7/14

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1613.264+/-0.338 χ^2/NDF:216993.2/13

Left: 1596.907+/-0.235 χ^2/NDF: 510854.3/28

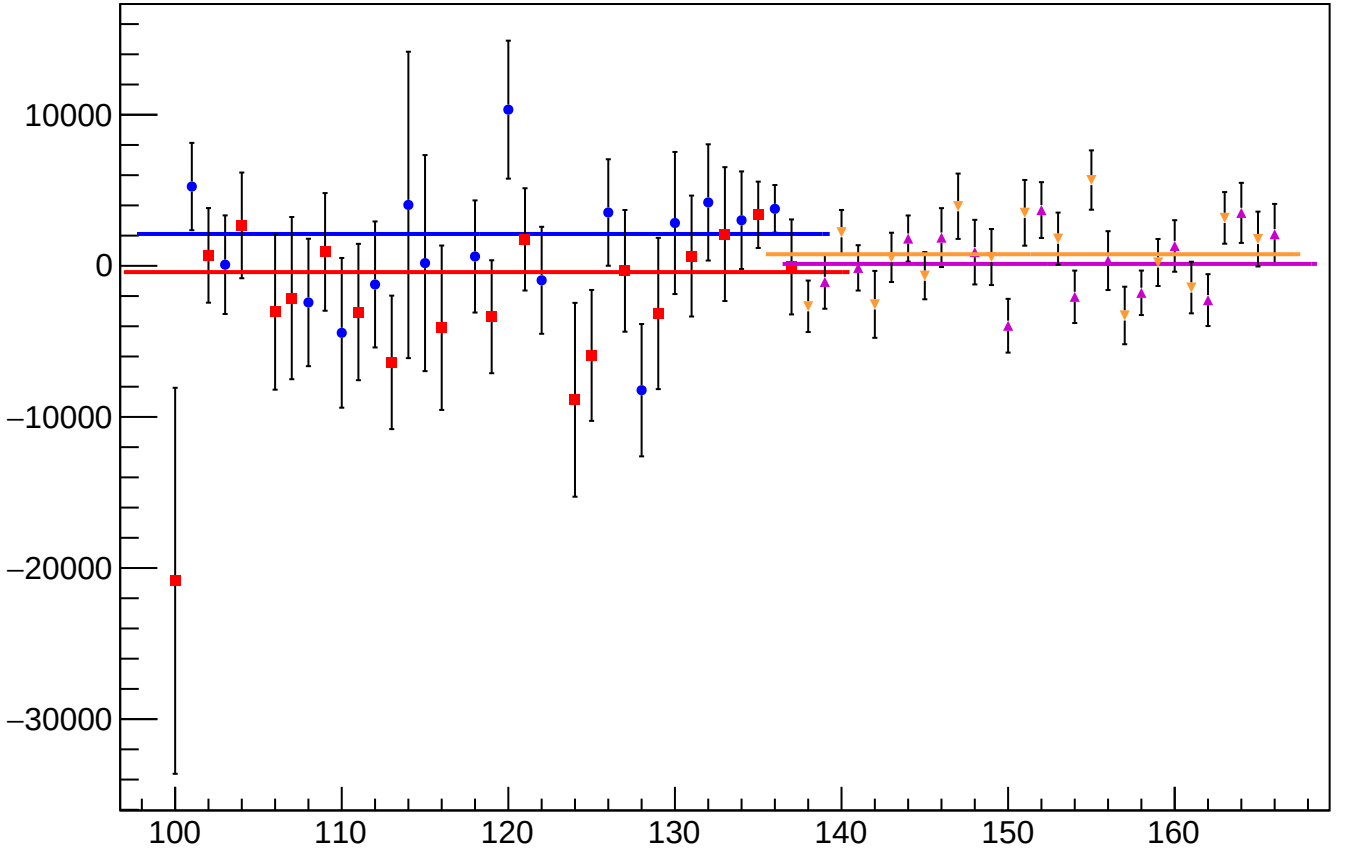
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1765.187+/-0.297 χ^2/NDF:2025460.4/29

Out: 1756.254+/-0.293 χ^2/NDF:2466736.1/33

All: 1760.658+/-0.208 χ^2/NDF: 4492655.9/63

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 767.897+/-457.182 χ^2/NDF:27.1/14

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 127.071+/-470.190 χ^2/NDF:21.2/13

Left: 456.471+/-327.779 χ^2/NDF: 49.3/28

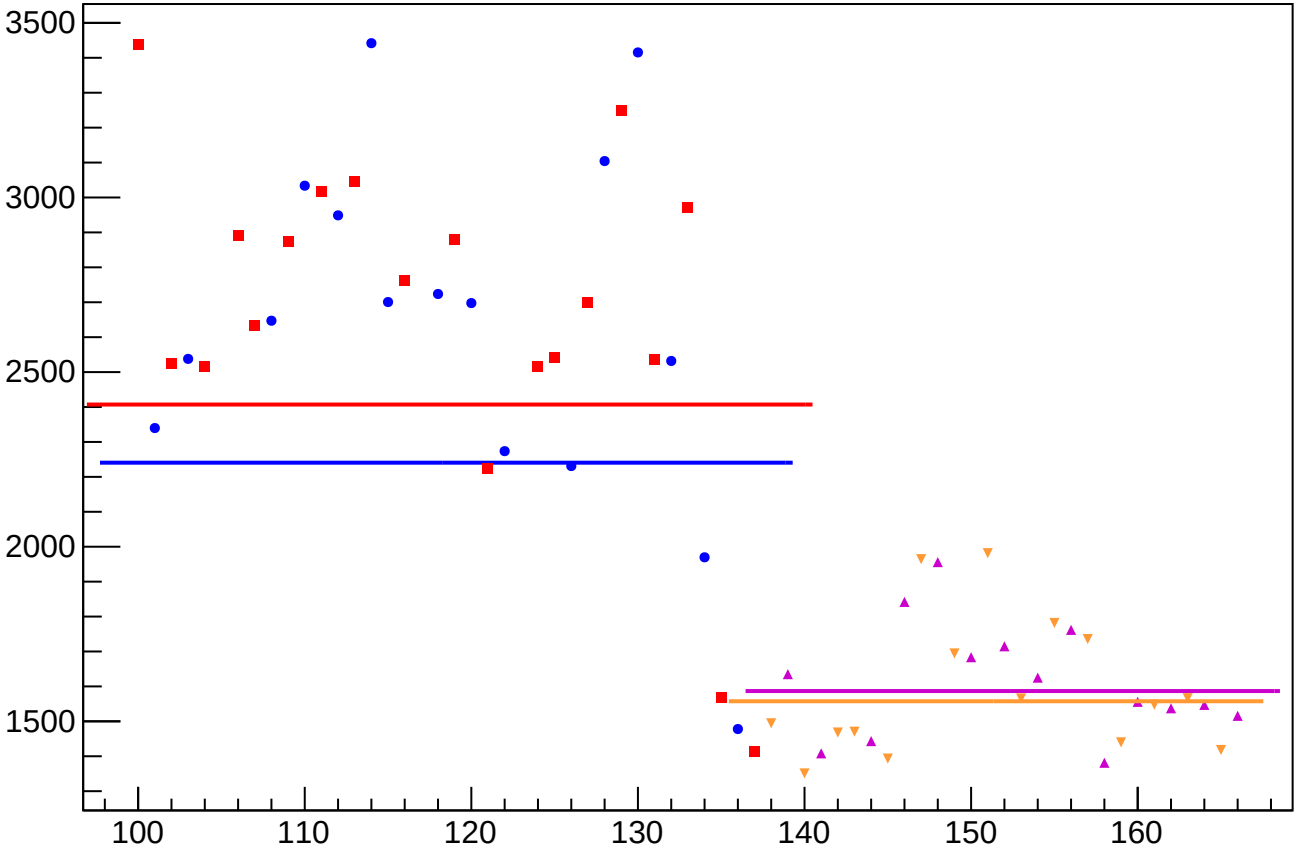
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 580.614+/-412.918 χ^2/NDF:41.9/29

Out: 527.333+/-408.014 χ^2/NDF:43.1/33

All: 553.655+/-290.228 χ^2/NDF: 85.0/63

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.489+/-0.323 χ^2/NDF:297906.7/14

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1586.701+/-0.332 χ^2/NDF:218530.0/13

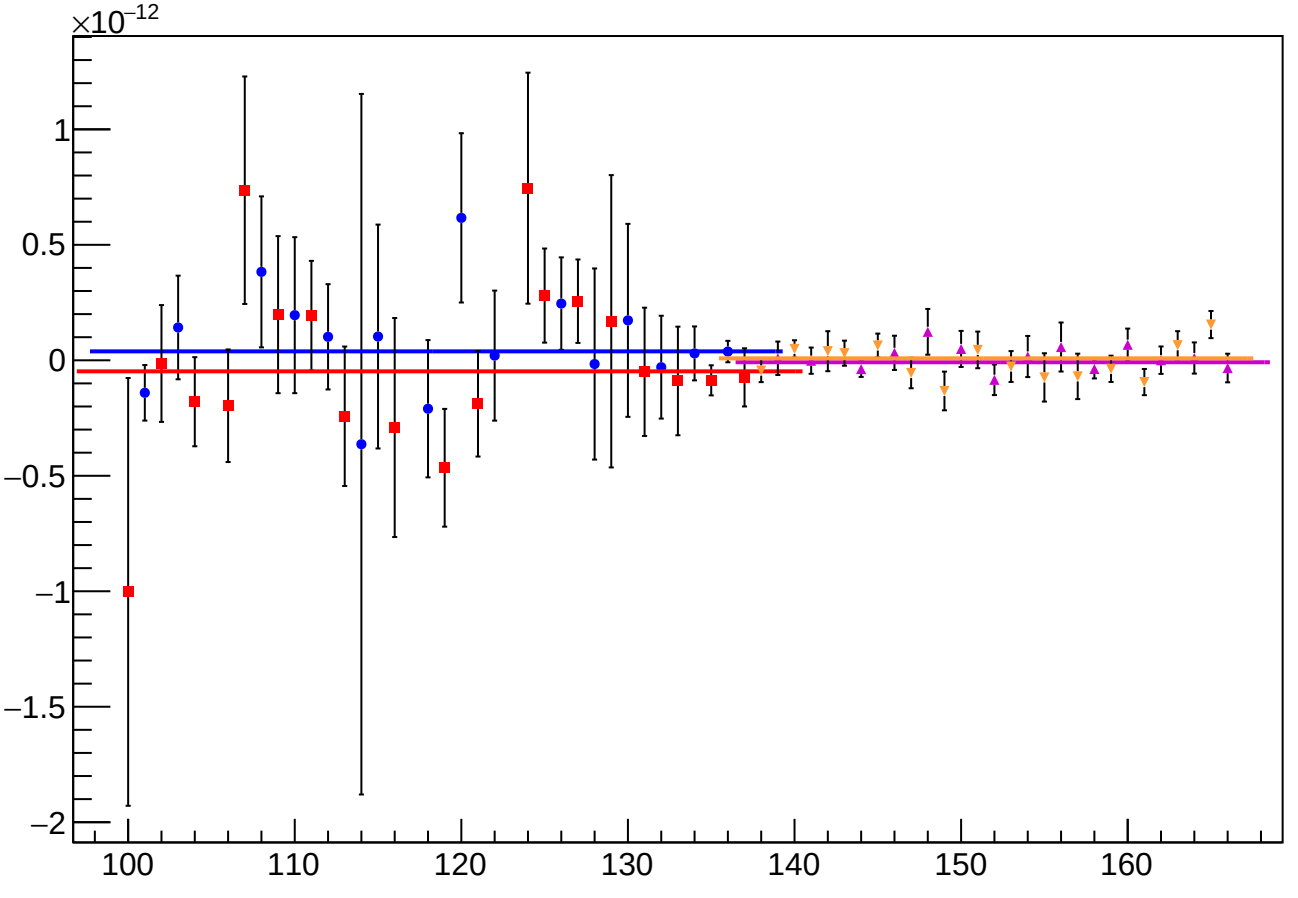
Left: 1571.685+/-0.232 χ^2/NDF: 520405.0/28

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1736.304+/-0.292 χ^2/NDF:2037136.5/29

Out: 1730.410+/-0.289 χ^2/NDF:2492715.3/33

All: 1733.322+/-0.205 χ^2/NDF: 4530058.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/13

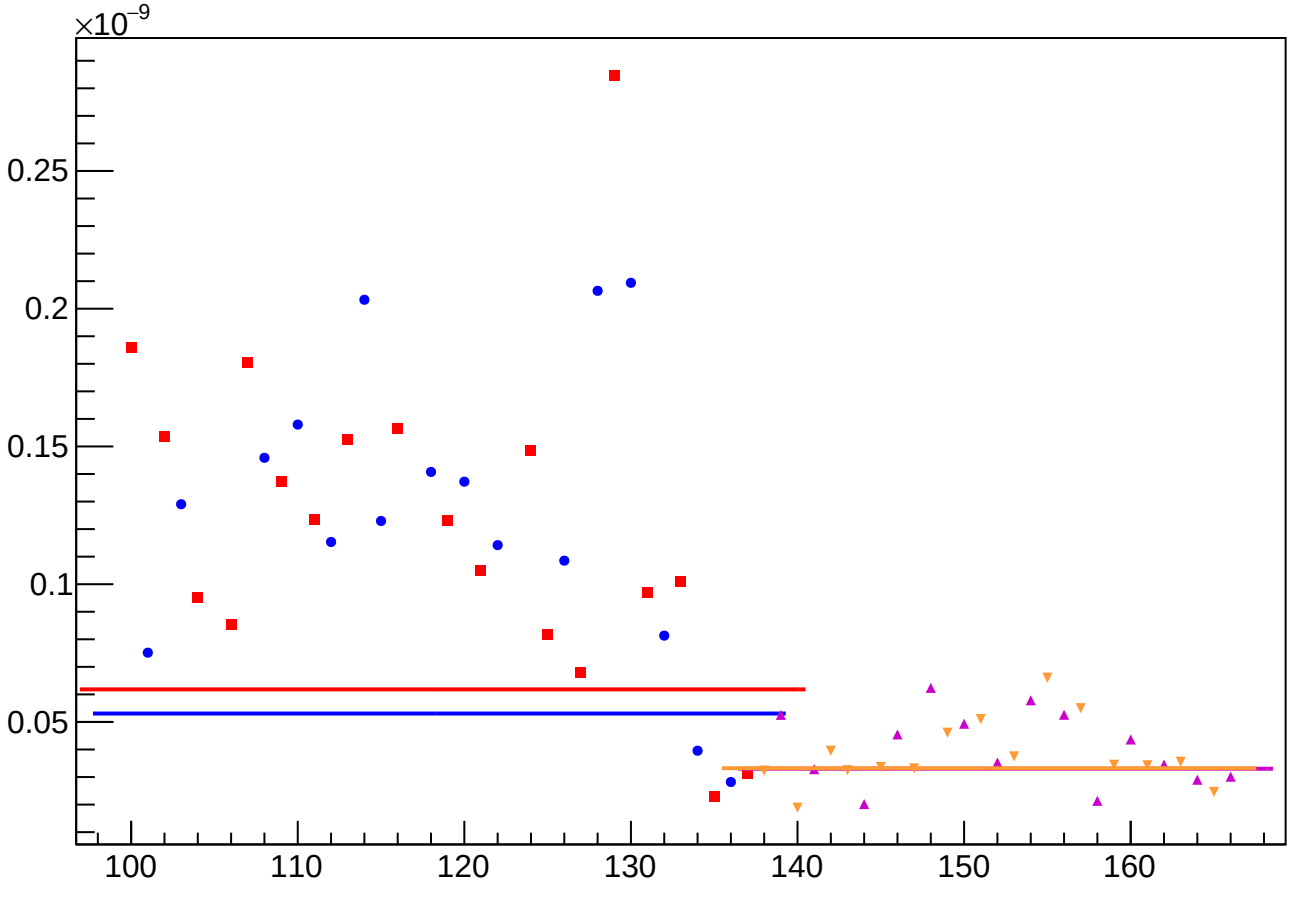
Left: 0.000+/-0.000 χ^2/NDF: 28.0/28

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.0/29

Out: 0.000+/-0.000 χ^2/NDF:40.0/33

All: 0.000+/-0.000 χ^2/NDF: 57.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:804699.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1195778.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2000602.6/28

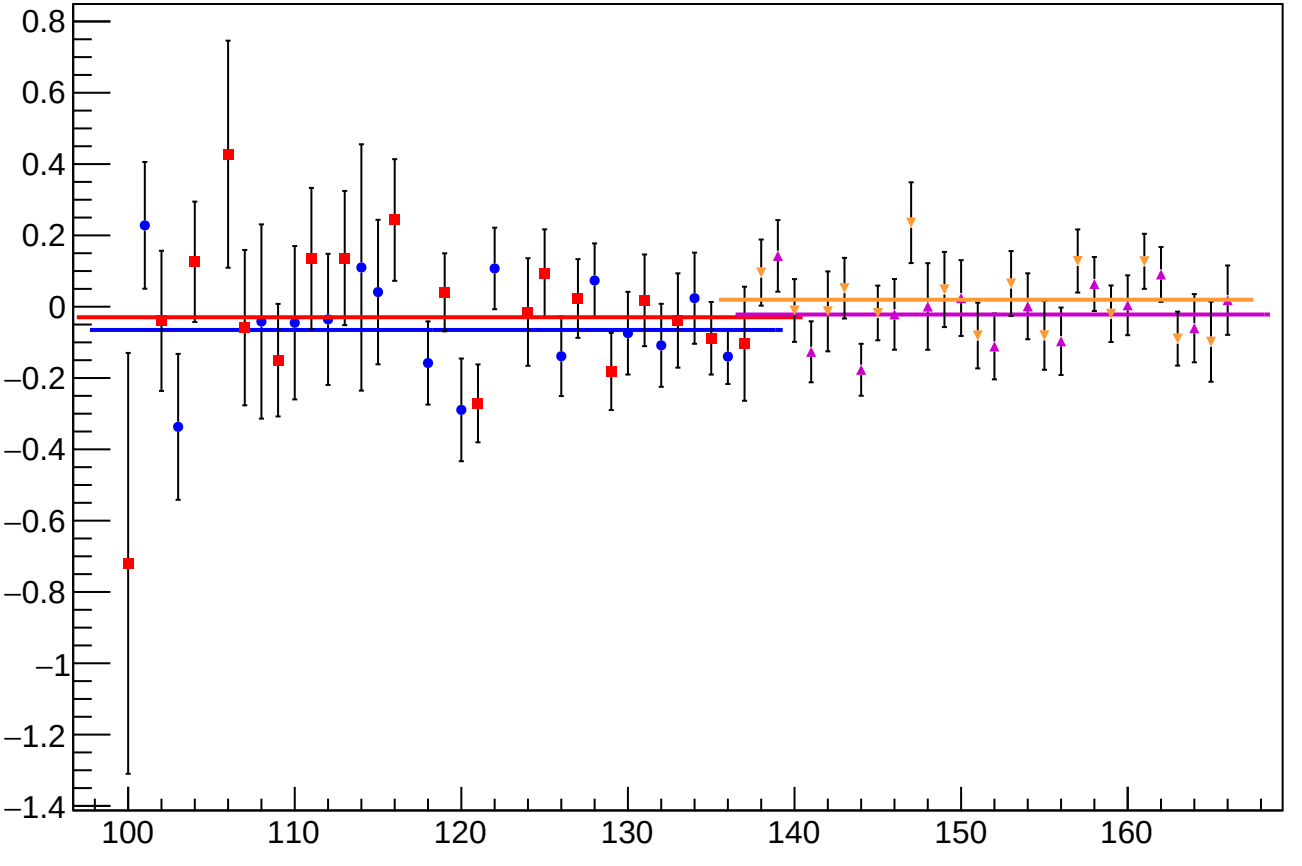
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4279343.8/29

Out: 0.000+/-0.000 χ^2/NDF:3992767.3/33

All: 0.000+/-0.000 χ^2/NDF: 8272226.0/63

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

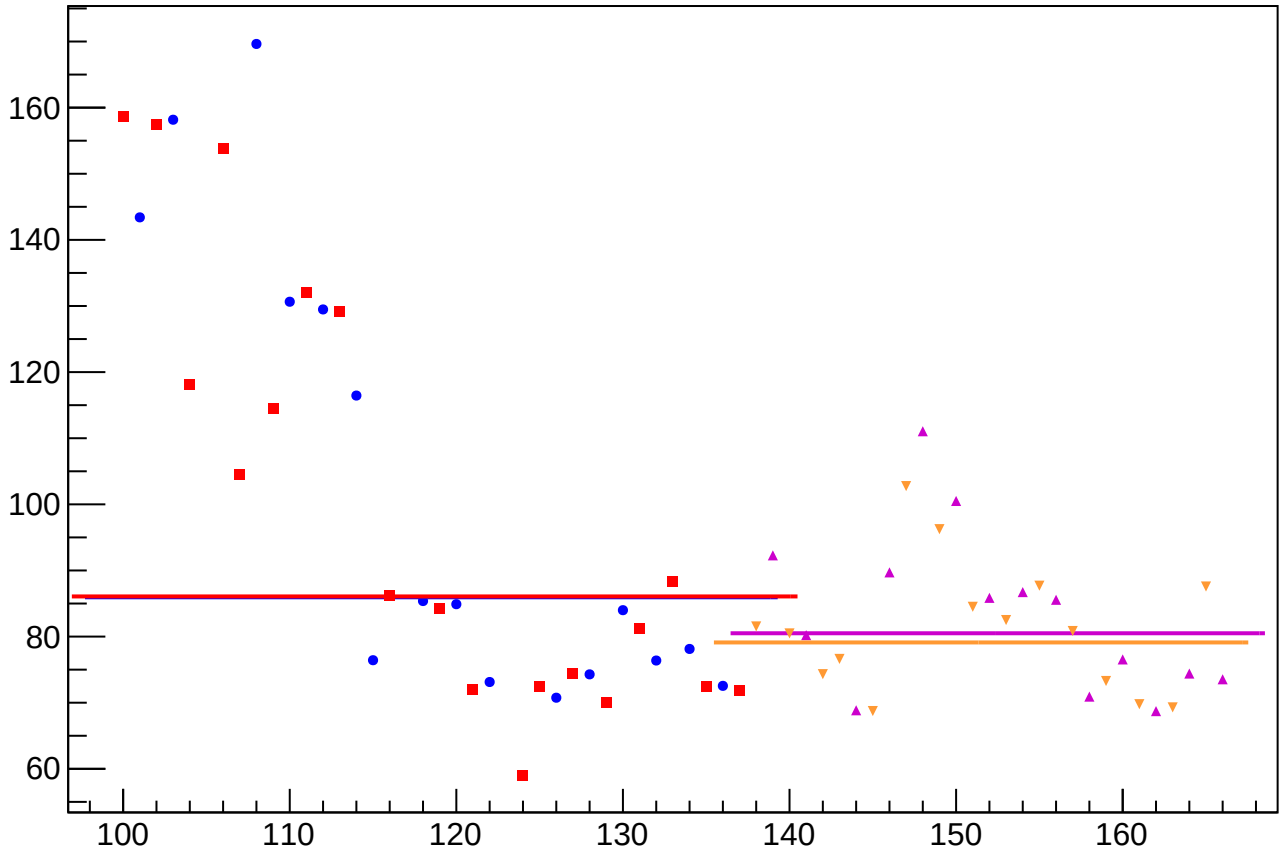
Left: -0.000+/-0.017 χ^2/NDF: 30.3/28

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.016+/-0.014 χ^2/NDF: 65.8/63



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.503+/-0.017 χ^2/NDF:416798.7/13

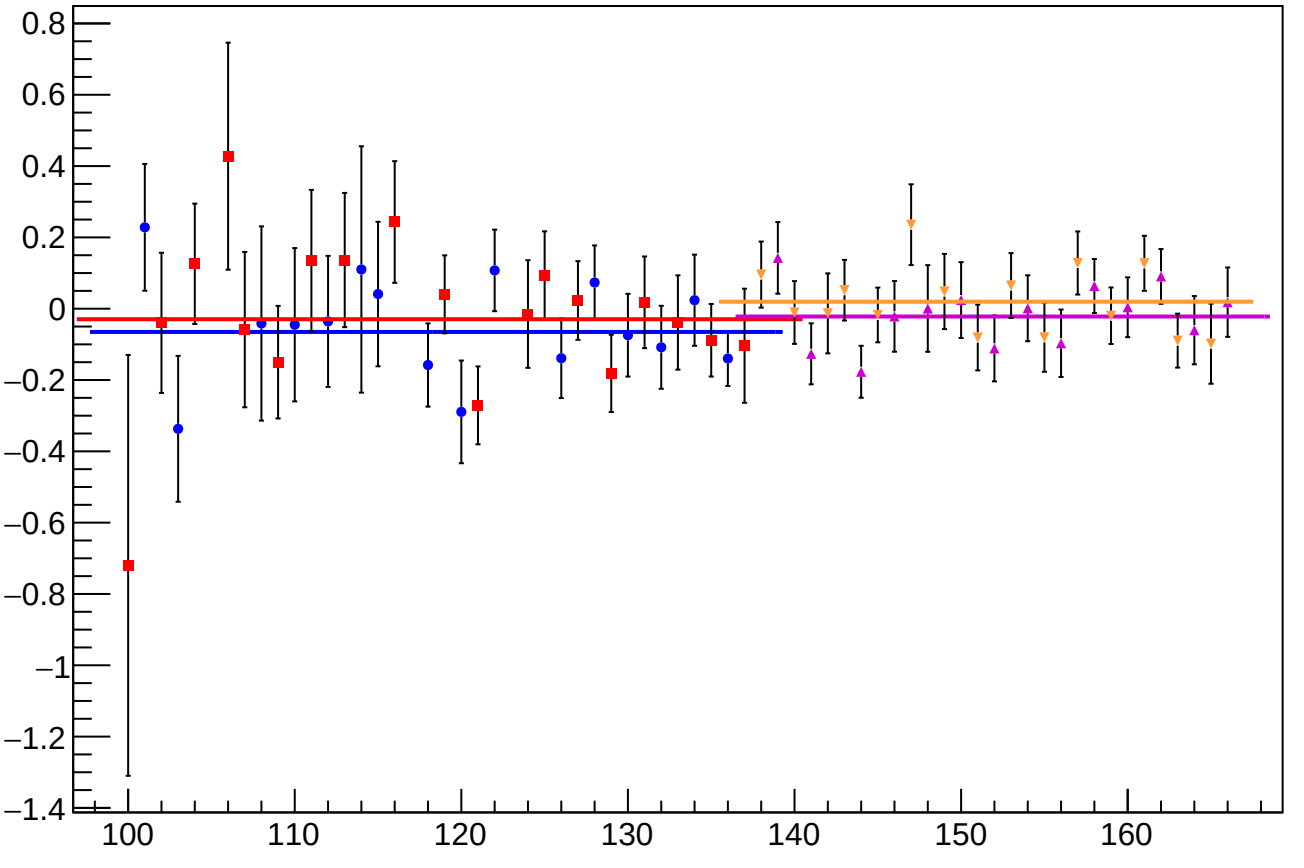
Left: 79.784+/-0.012 χ^2/NDF: 715394.2/28

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.368+/-0.014 χ^2/NDF:1486904.6/29

Out: 81.421+/-0.013 χ^2/NDF:1346098.4/33

All: 81.882+/-0.010 χ^2/NDF: 2835425.9/63



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

Left: -0.000+/-0.017 χ^2/NDF: 30.3/28

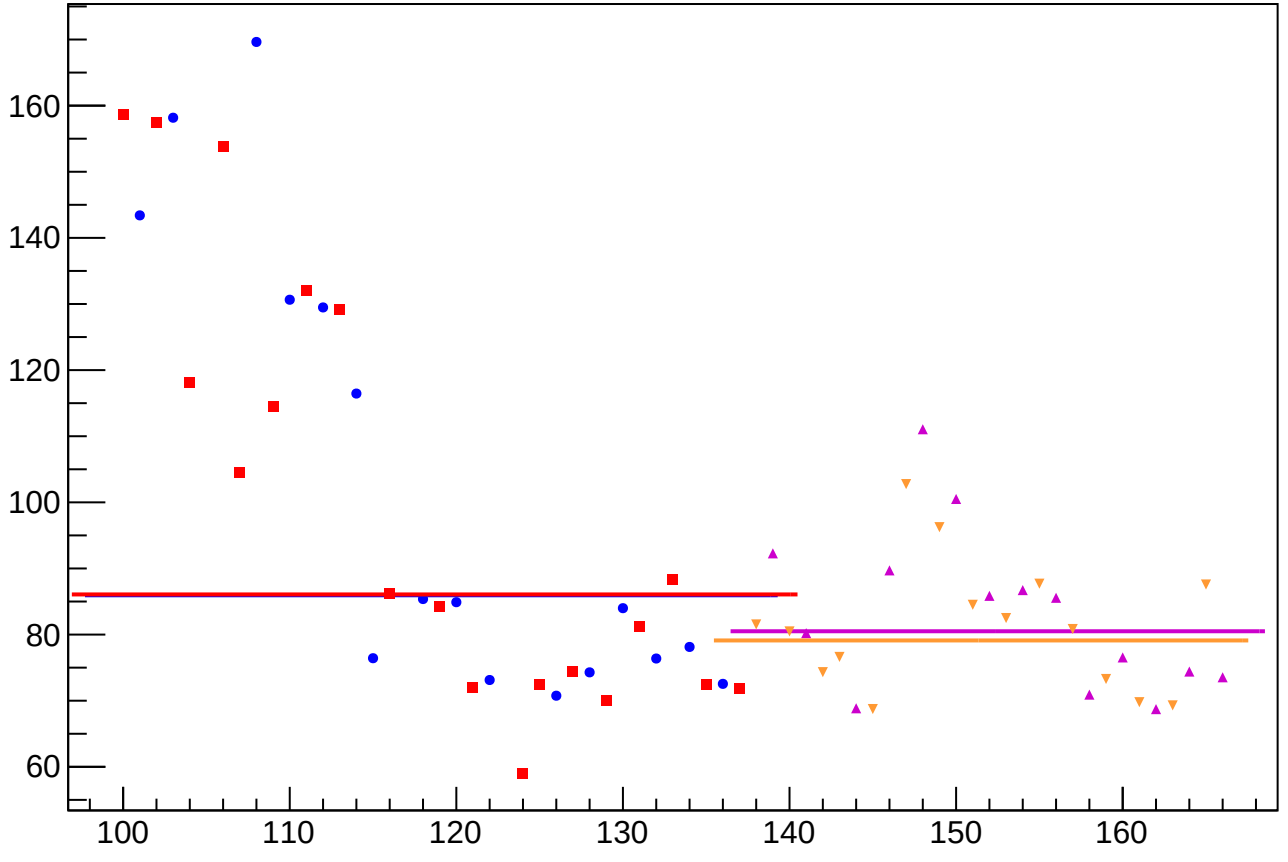
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.016+/-0.014 χ^2/NDF: 65.8/63

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.503+/-0.017 χ^2/NDF:416798.7/13

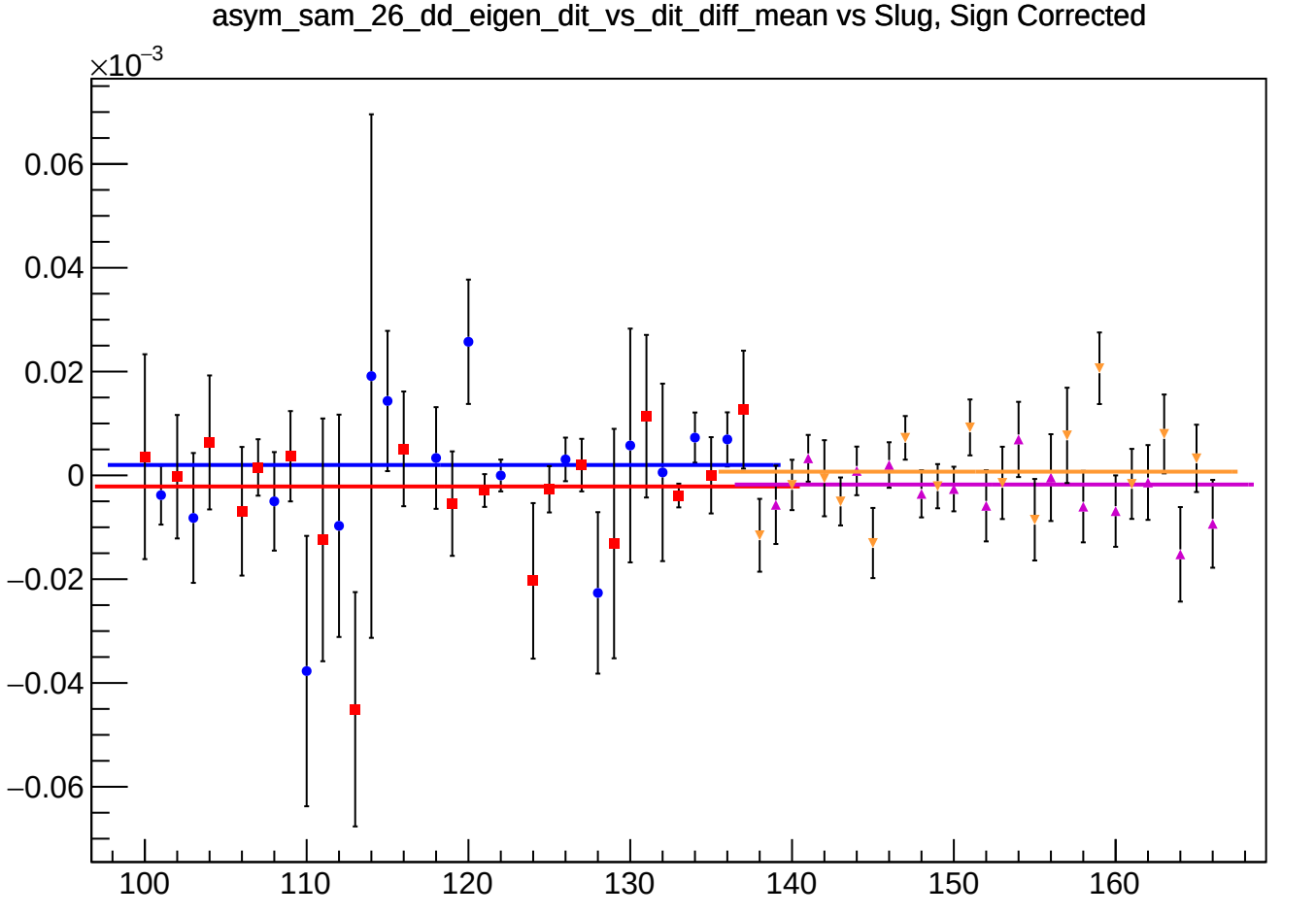
Left: 79.784+/-0.012 χ^2/NDF: 715394.2/28

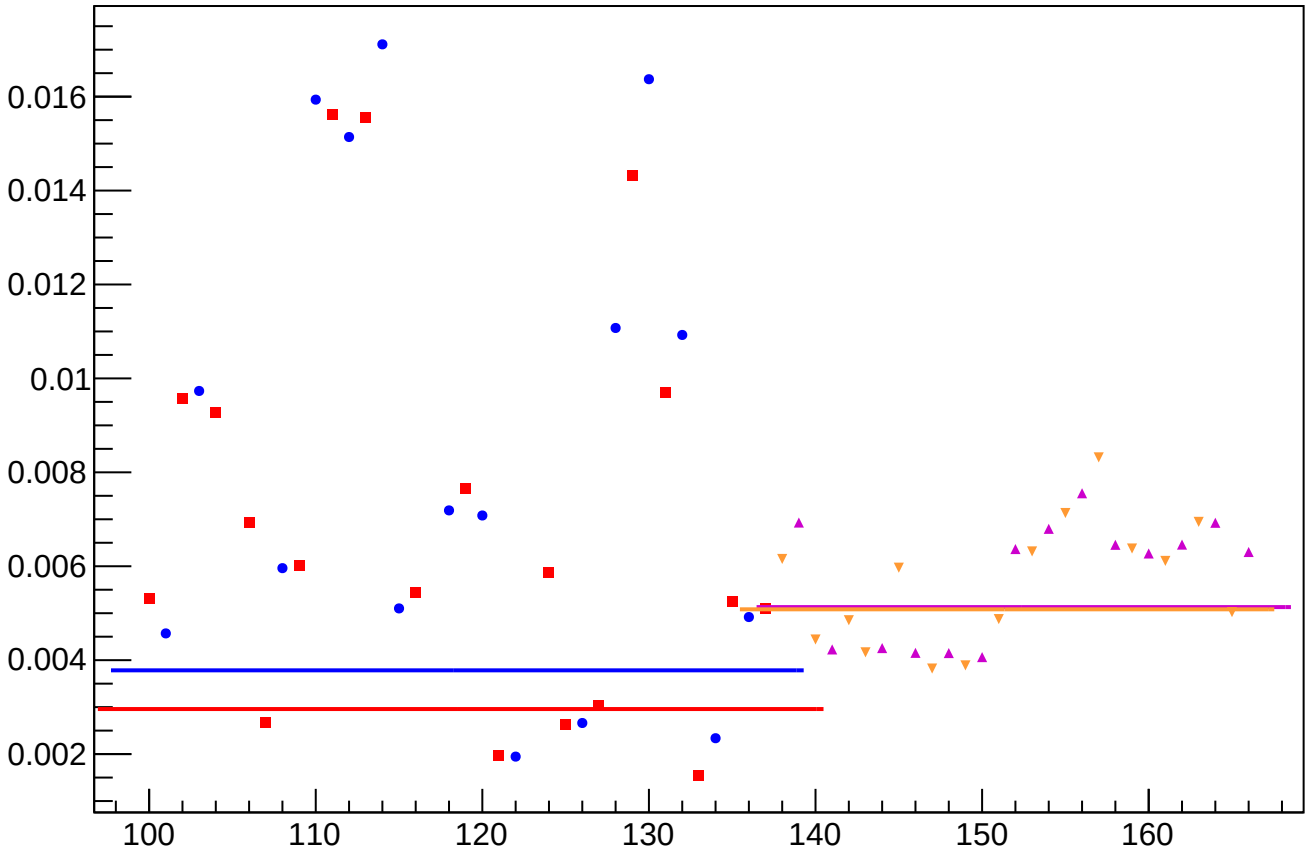
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.368+/-0.014 χ^2/NDF:1486904.6/29

Out: 81.421+/-0.013 χ^2/NDF:1346098.4/33

All: 81.882+/-0.010 χ^2/NDF: 2835425.9/63


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:26.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:8.5/13
Left: -0.000+/-0.000 χ²/NDF: 35.8/28
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: -0.000+/-0.000 χ²/NDF:26.0/29
Out: -0.000+/-0.000 χ²/NDF:39.4/33
All: -0.000+/-0.000 χ²/NDF: 65.6/63



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221919.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1230672.7/13

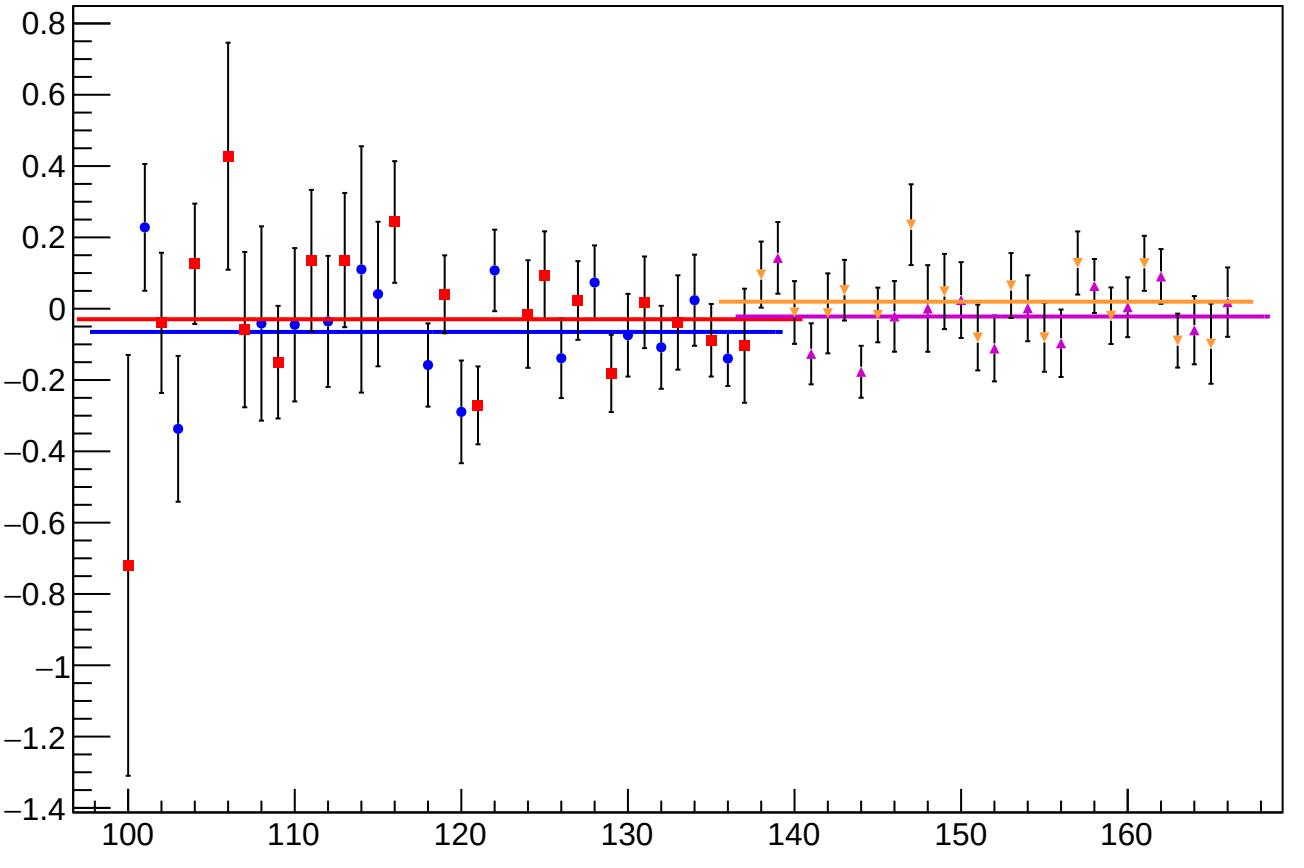
Left: 0.005+/-0.000 χ^2/NDF: 2453539.3/28

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6585359.8/29

Out: 0.004+/-0.000 χ^2/NDF:8869098.2/33

All: 0.004+/-0.000 χ^2/NDF: 15752027.9/63



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

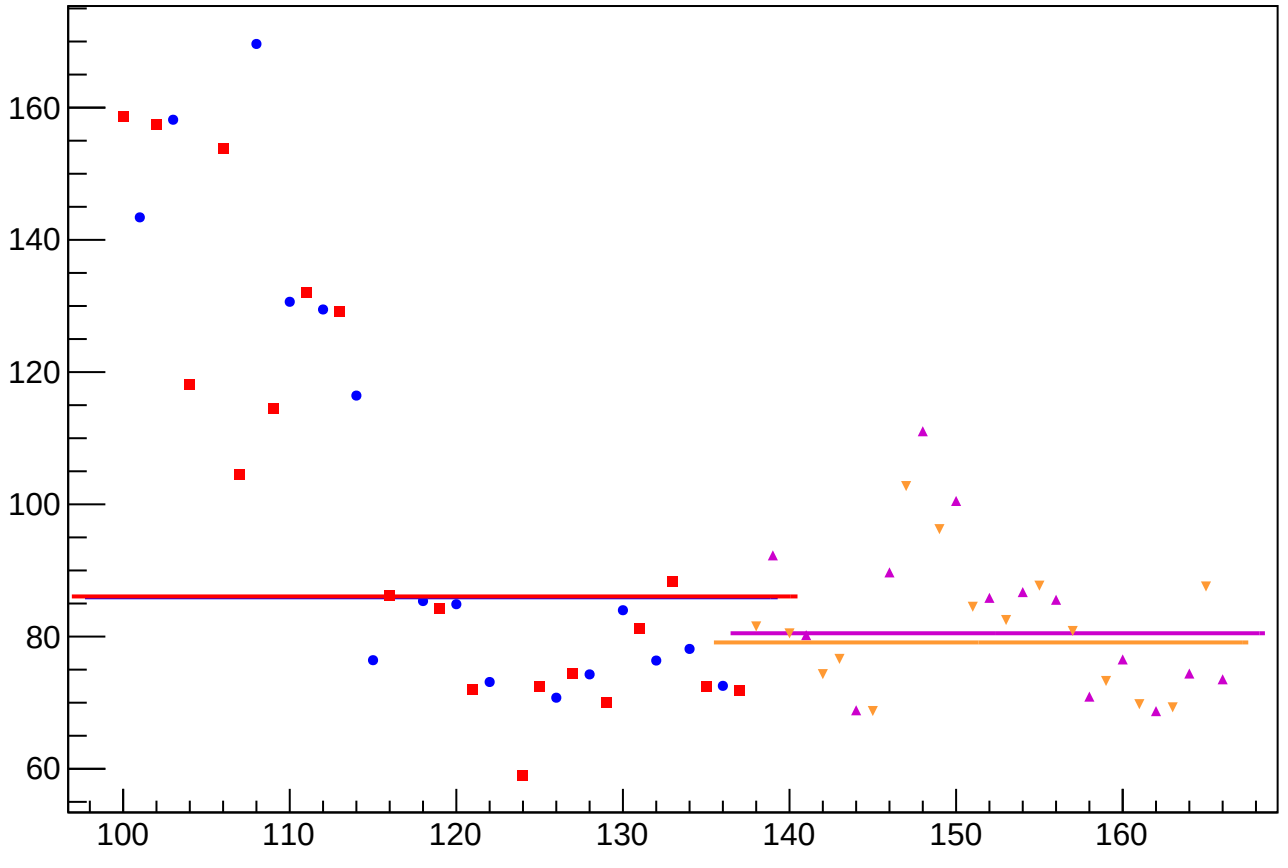
Left: -0.000+/-0.017 χ^2/NDF: 30.3/28

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.016+/-0.014 χ^2/NDF: 65.8/63



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.113+/-0.016 χ^2/NDF:295174.1/14

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.502+/-0.017 χ^2/NDF:416837.2/13

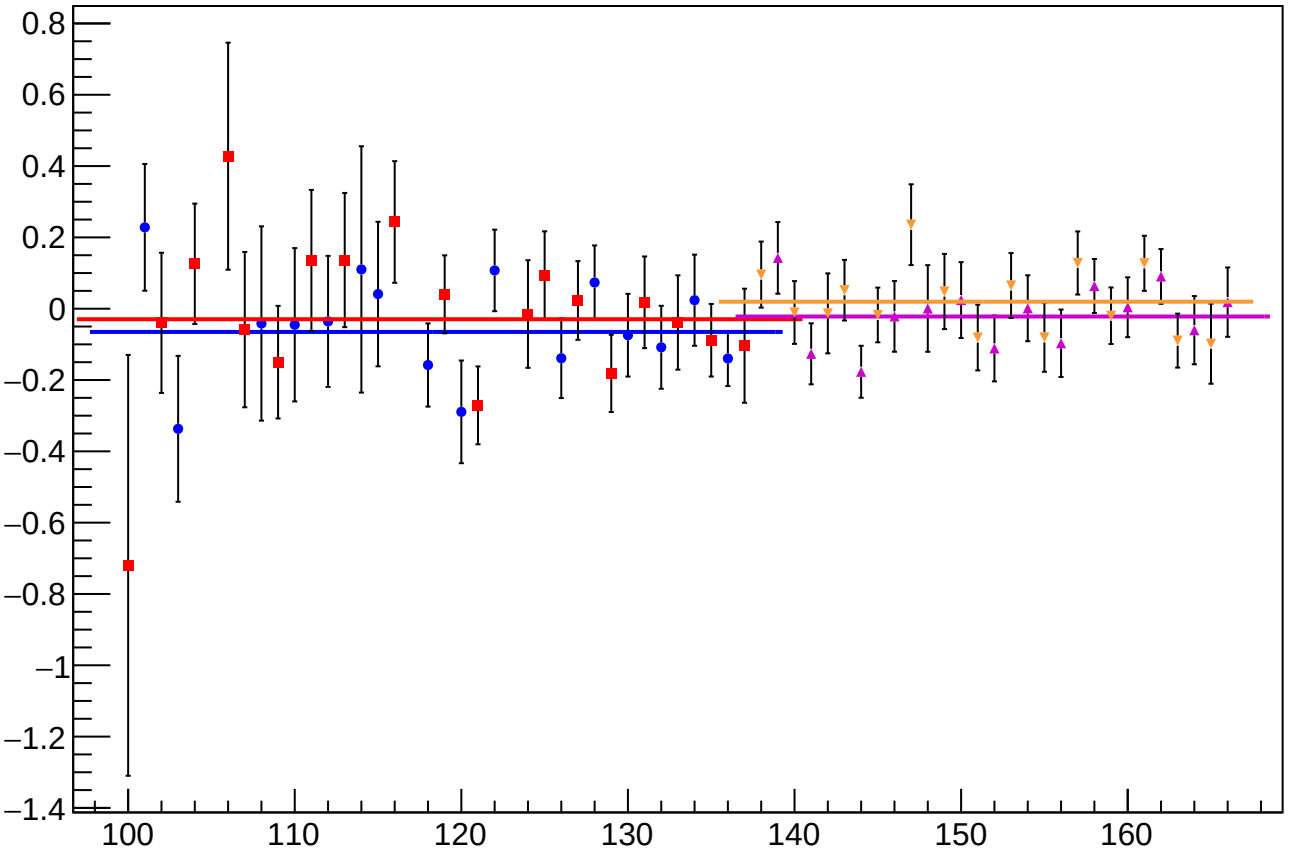
Left: 79.783+/-0.012 χ^2/NDF: 715466.0/28

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.367+/-0.014 χ^2/NDF:1486904.8/29

Out: 81.420+/-0.013 χ^2/NDF:1346099.7/33

All: 81.881+/-0.010 χ^2/NDF: 2835425.4/63



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.024 χ^2/NDF:14.4/13

Left: -0.000+/-0.017 χ^2/NDF: 30.3/28

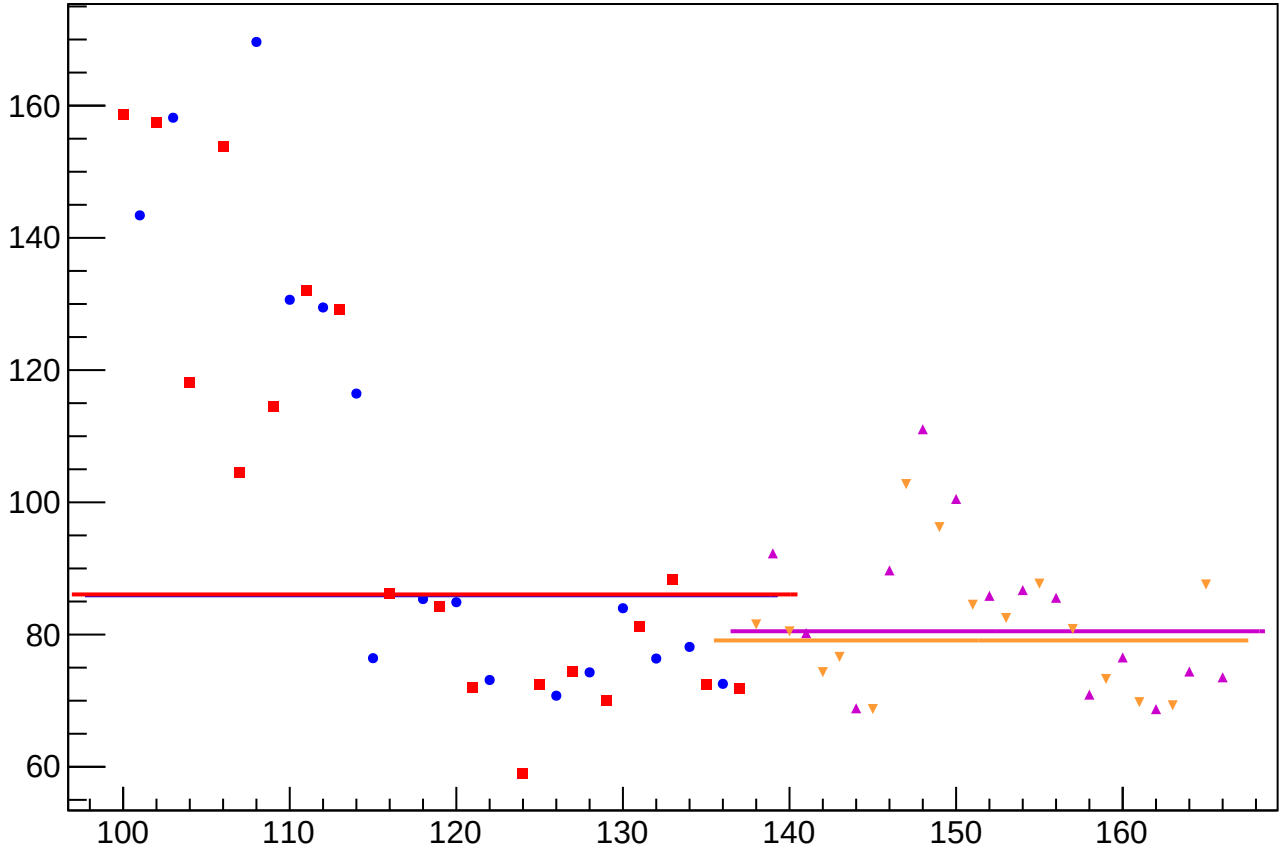
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.037+/-0.019 χ^2/NDF:29.7/29

Out: 0.003+/-0.019 χ^2/NDF:33.9/33

All: -0.016+/-0.014 χ^2/NDF: 65.8/63

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.113+/-0.016 χ^2/NDF:295174.1/14

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.502+/-0.017 χ^2/NDF:416837.2/13

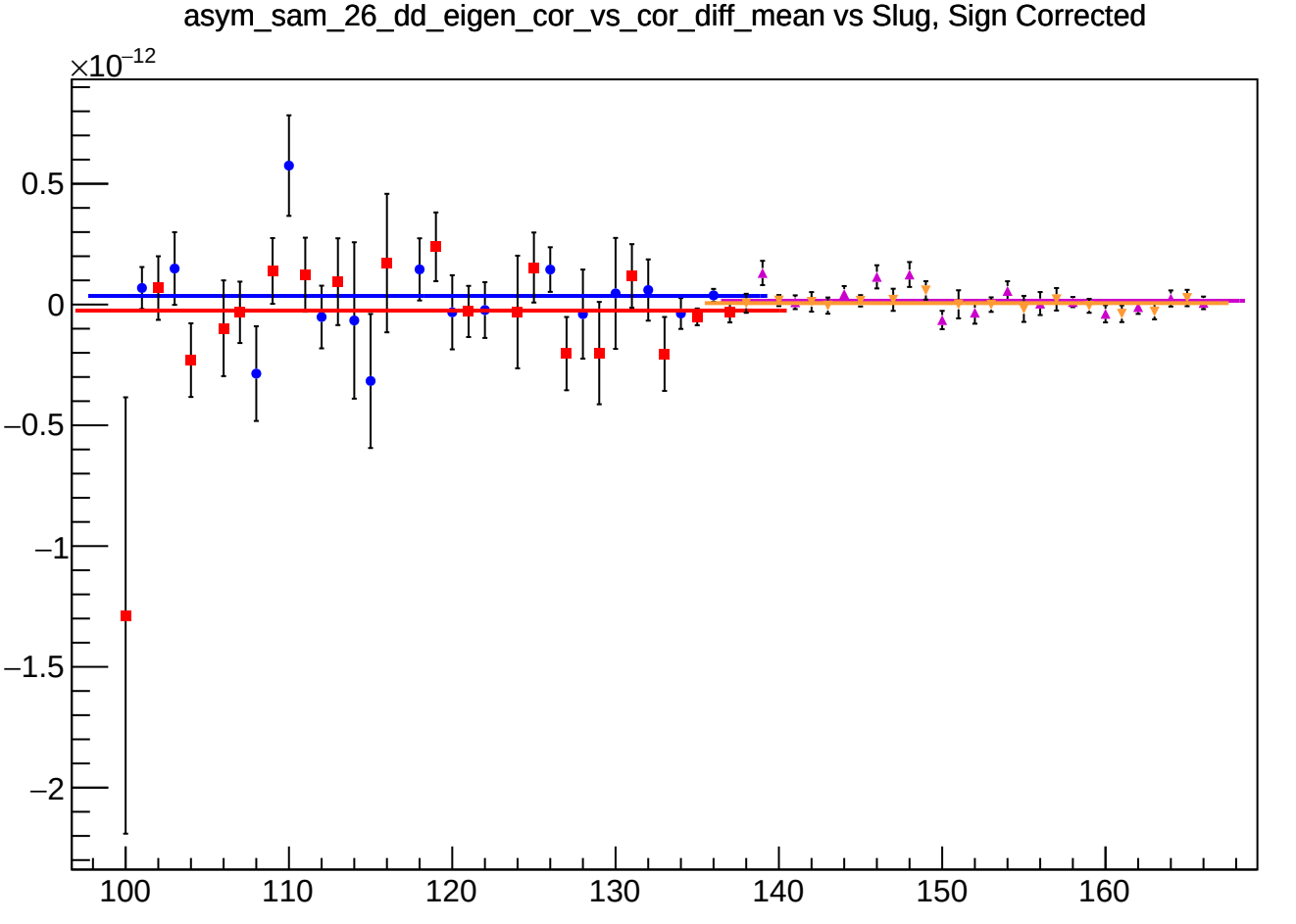
Left: 79.783+/-0.012 χ^2/NDF: 715466.0/28

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.367+/-0.014 χ^2/NDF:1486904.8/29

Out: 81.420+/-0.013 χ^2/NDF:1346099.7/33

All: 81.881+/-0.010 χ^2/NDF: 2835425.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.7/13

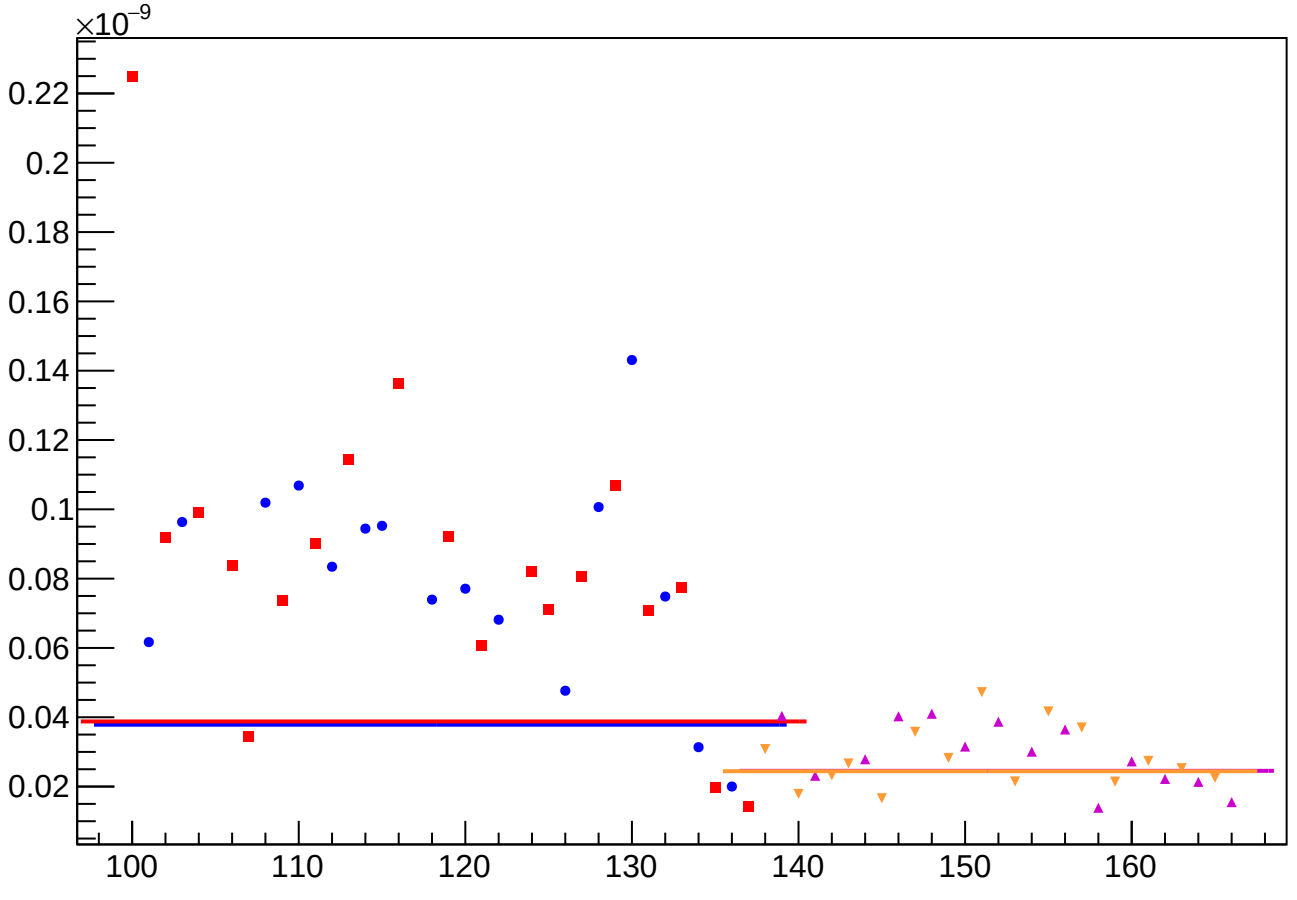
Left: 0.000+/-0.000 χ^2/NDF: 31.5/28

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:41.9/29

Out: 0.000+/-0.000 χ^2/NDF:25.7/33

All: 0.000+/-0.000 χ^2/NDF: 69.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1316198.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1864402.9/13

Left: 0.000+/-0.000 χ^2/NDF: 3180750.6/28

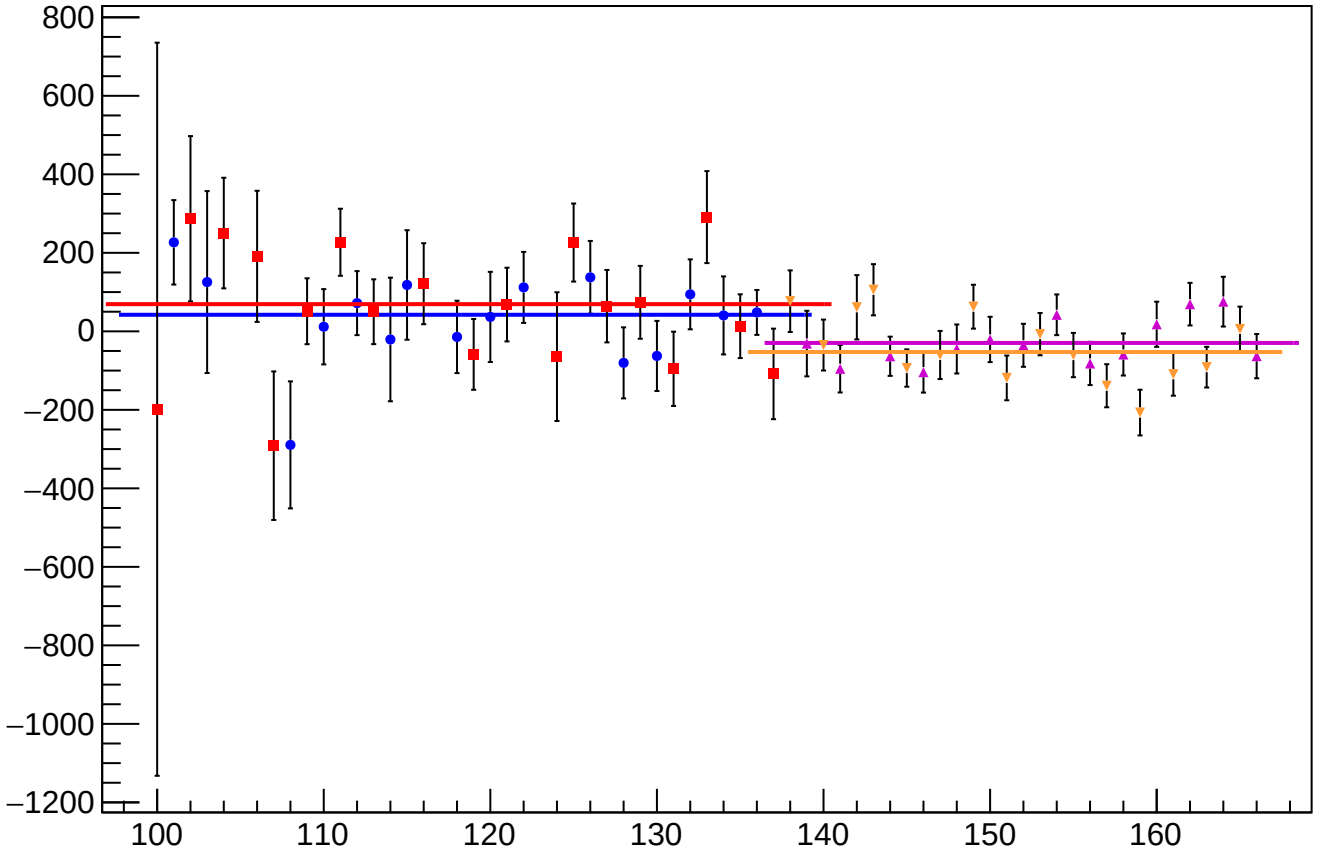
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6020607.1/29

Out: 0.000+/-0.000 χ^2/NDF:6163452.5/33

All: 0.000+/-0.000 χ^2/NDF: 12185614.1/63

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.654+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -29.542+/-15.192 χ^2/NDF:14.0/13

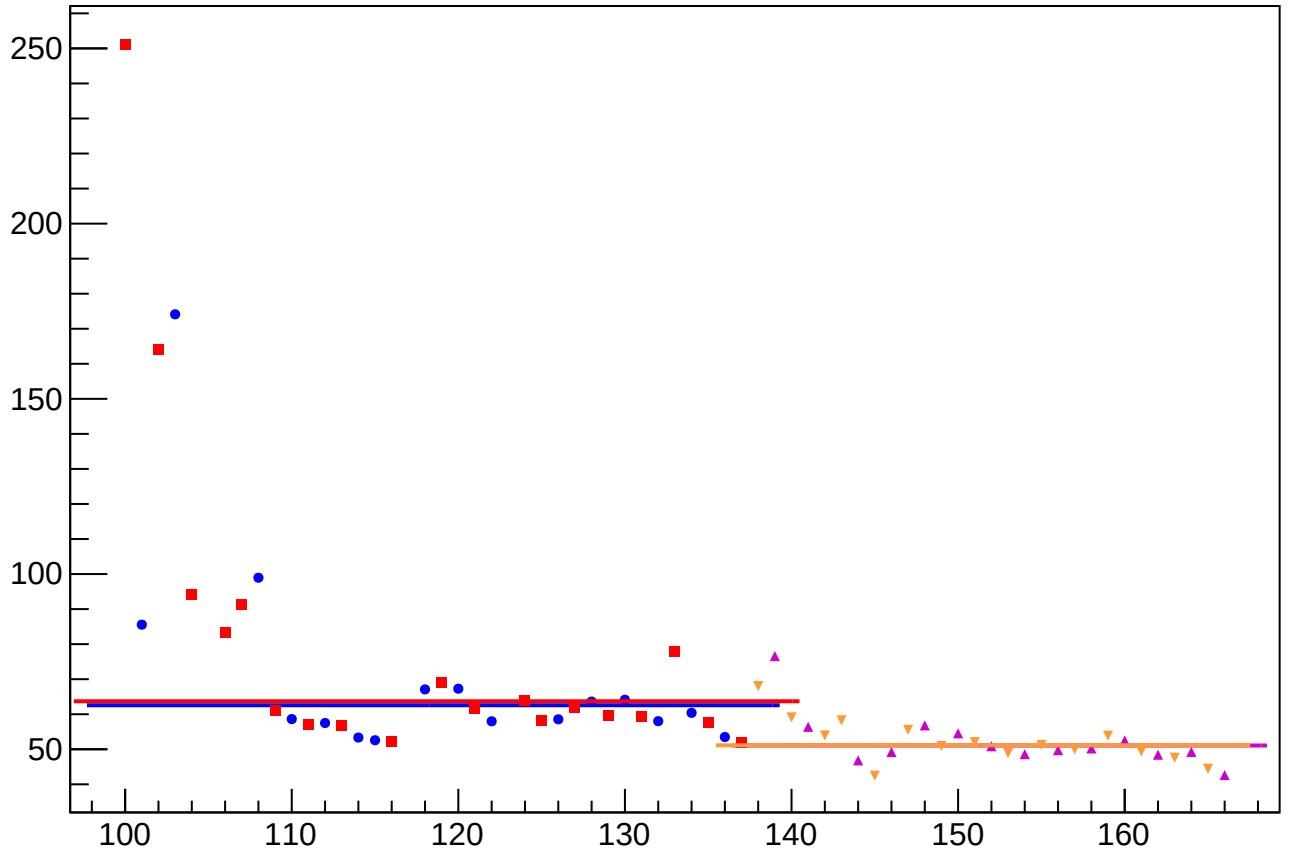
Left: -41.213+/-10.689 χ^2/NDF: 45.1/28

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -9.264+/-12.868 χ^2/NDF:33.9/29

Out: -19.122+/-12.807 χ^2/NDF:73.3/33

All: -14.217+/-9.077 χ^2/NDF: 107.5/63



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

Left: 51.107+/-0.008 χ^2/NDF: 576256.2/28

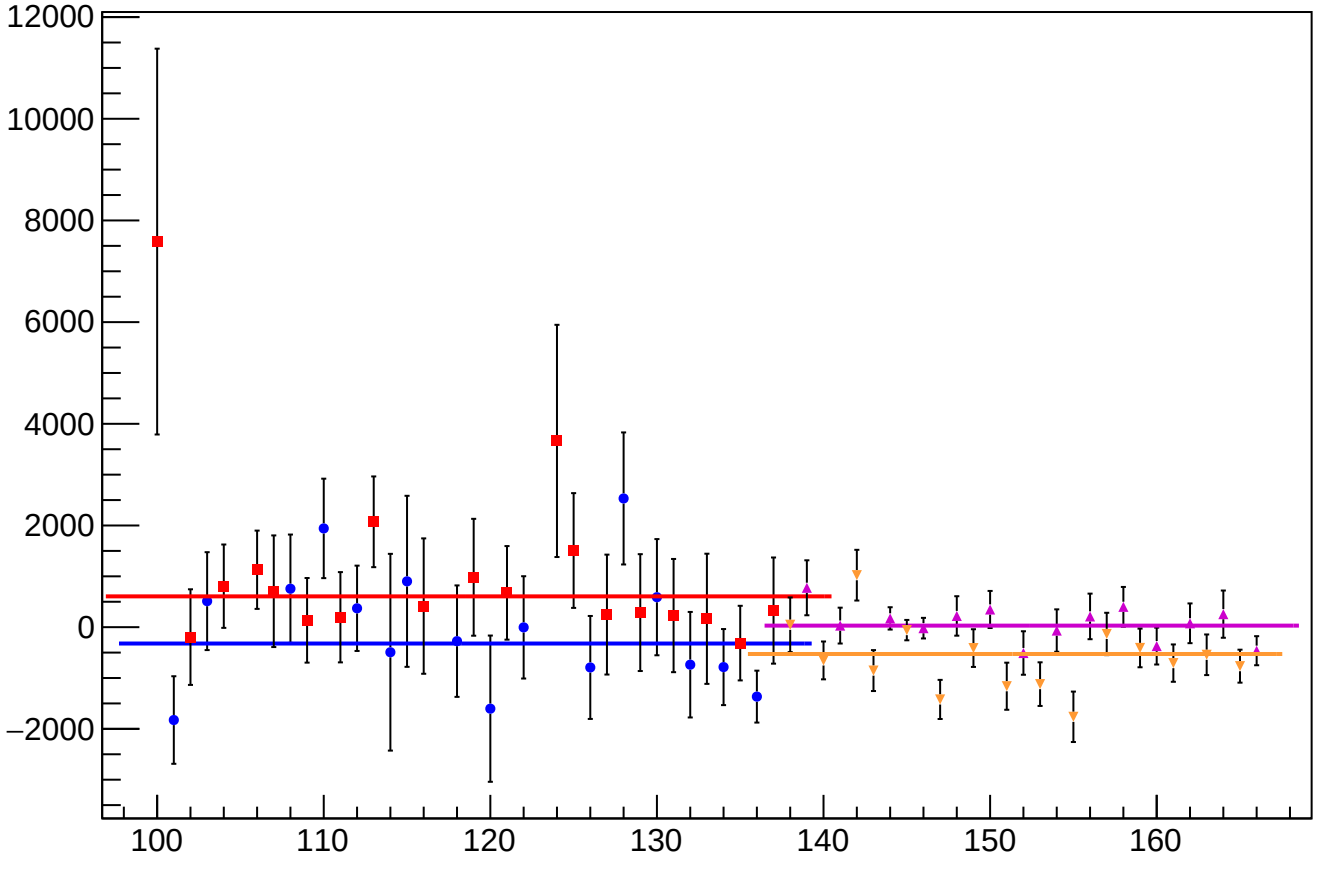
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 54.321+/-0.009 χ^2/NDF:1384229.4/29

Out: 54.594+/-0.009 χ^2/NDF:1491785.0/33

All: 54.458+/-0.006 χ^2/NDF: 2876466.2/63

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -527.565+/-95.410 χ^2/NDF:34.3/14

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 30.456+/-89.625 χ^2/NDF:10.5/13

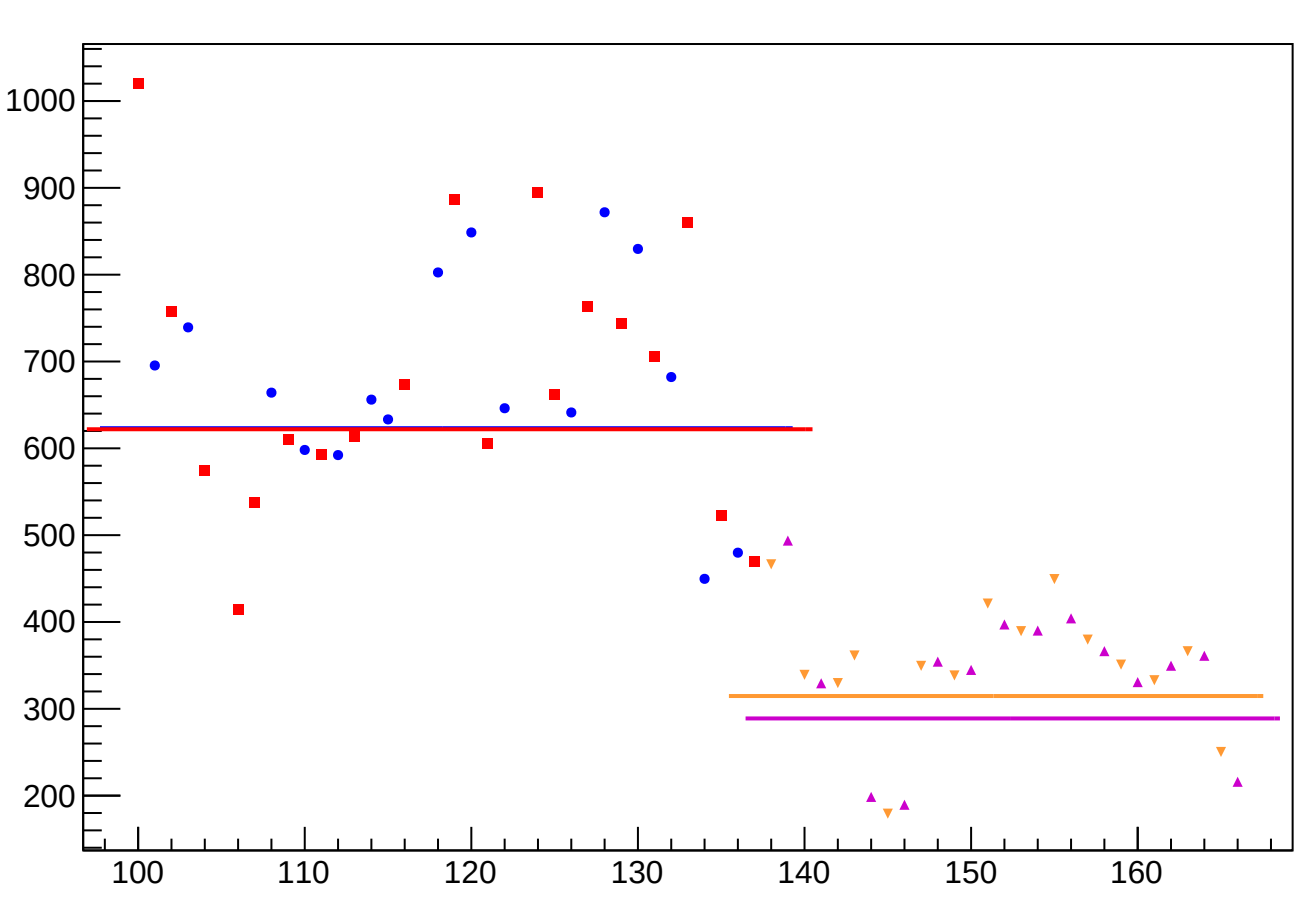
Left: -231.127+/-65.324 χ^2/NDF: 63.0/28

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -13.122+/-83.896 χ^2/NDF:35.2/29

Out: -365.573+/-88.329 χ^2/NDF:67.0/33

All: -180.282+/-60.830 χ^2/NDF: 110.5/63



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634020.5/14

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 288.907+/-0.063 χ^2/NDF:1947482.1/13

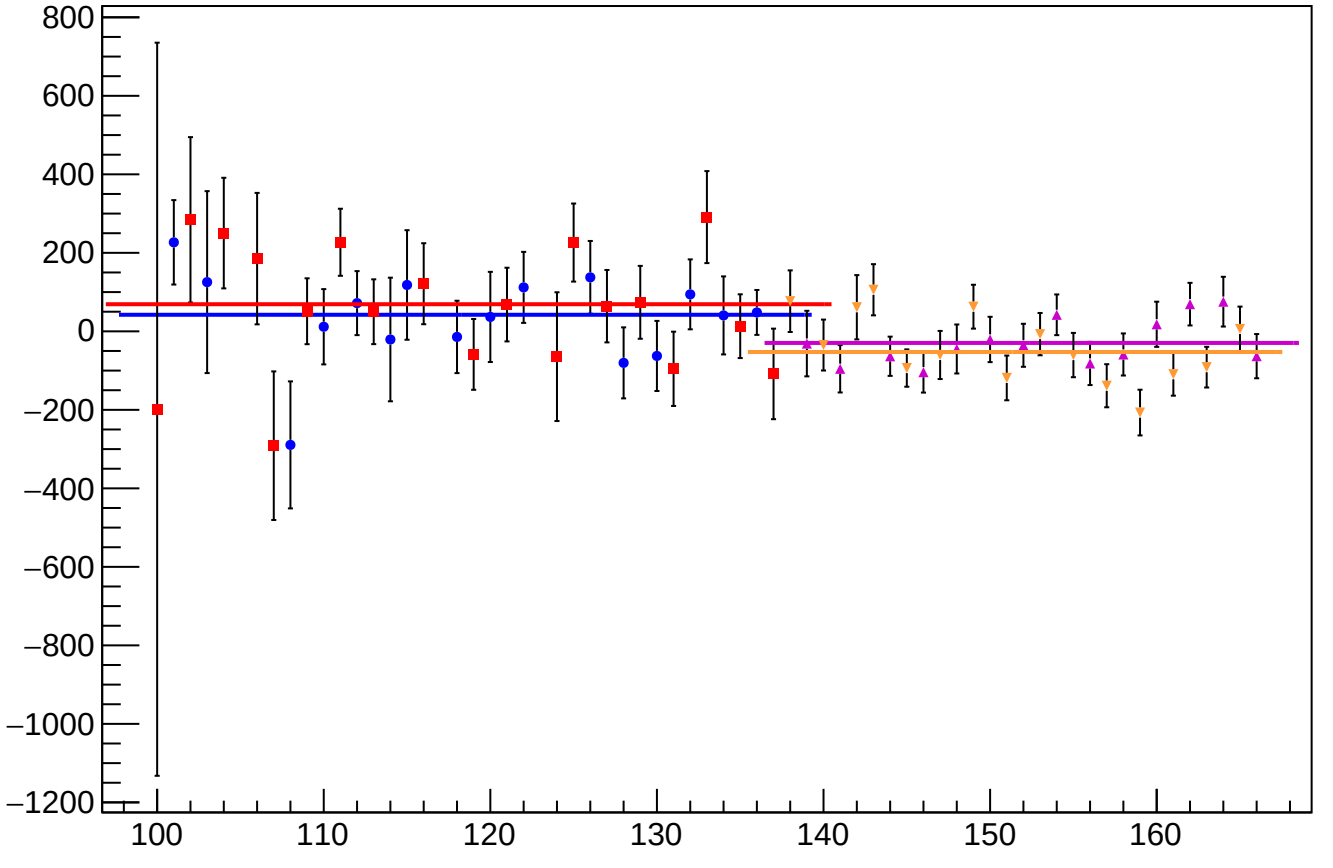
Left: 301.011+/-0.046 χ^2/NDF: 3659311.0/28

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 330.276+/-0.059 χ^2/NDF:5956079.7/29

Out: 358.640+/-0.062 χ^2/NDF:5180910.7/33

All: 343.728+/-0.043 χ^2/NDF: 11245405.4/63



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -29.542+/-15.192 χ^2/NDF:14.0/13

Left: -41.212+/-10.689 χ^2/NDF: 45.1/28

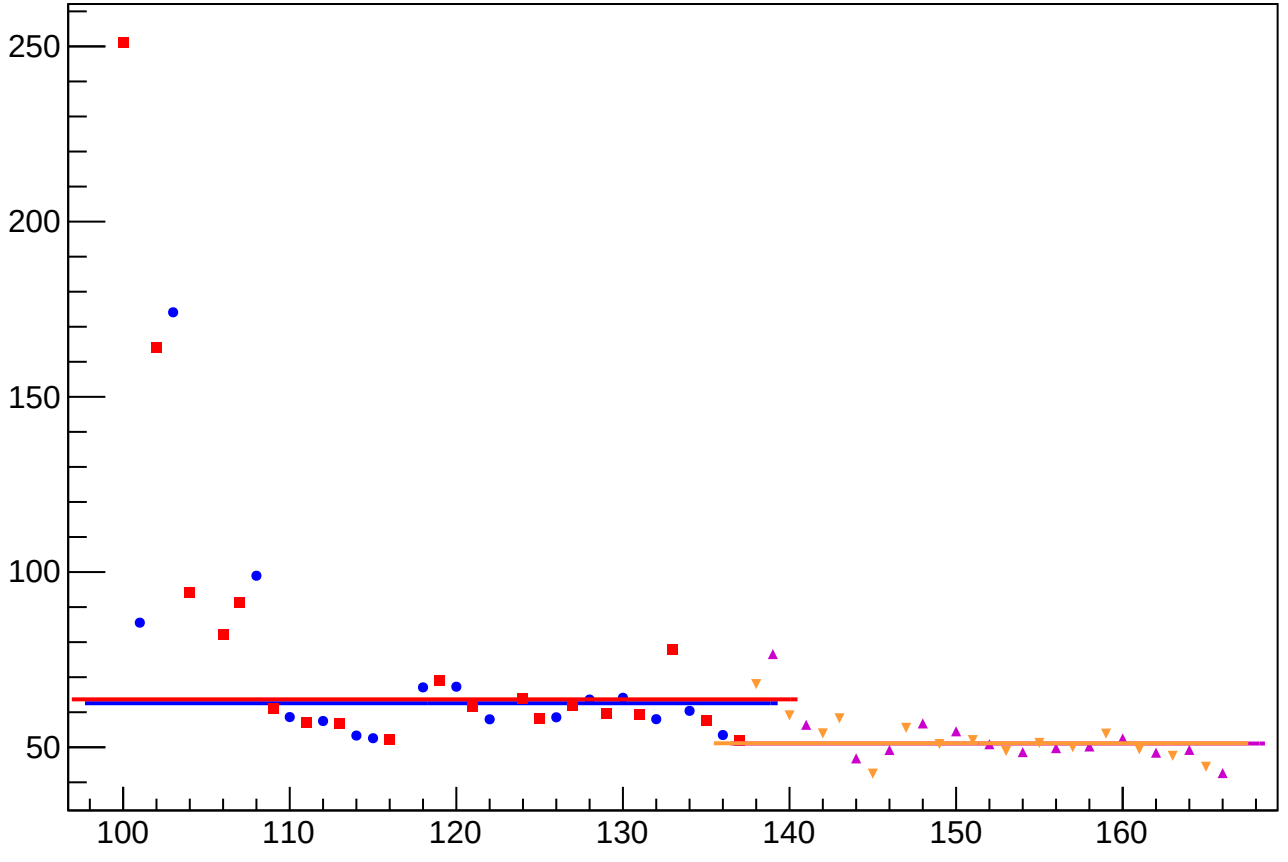
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -9.266+/-12.868 χ^2/NDF:33.9/29

Out: -19.173+/-12.807 χ^2/NDF:73.2/33

All: -14.243+/-9.077 χ^2/NDF: 107.4/63

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

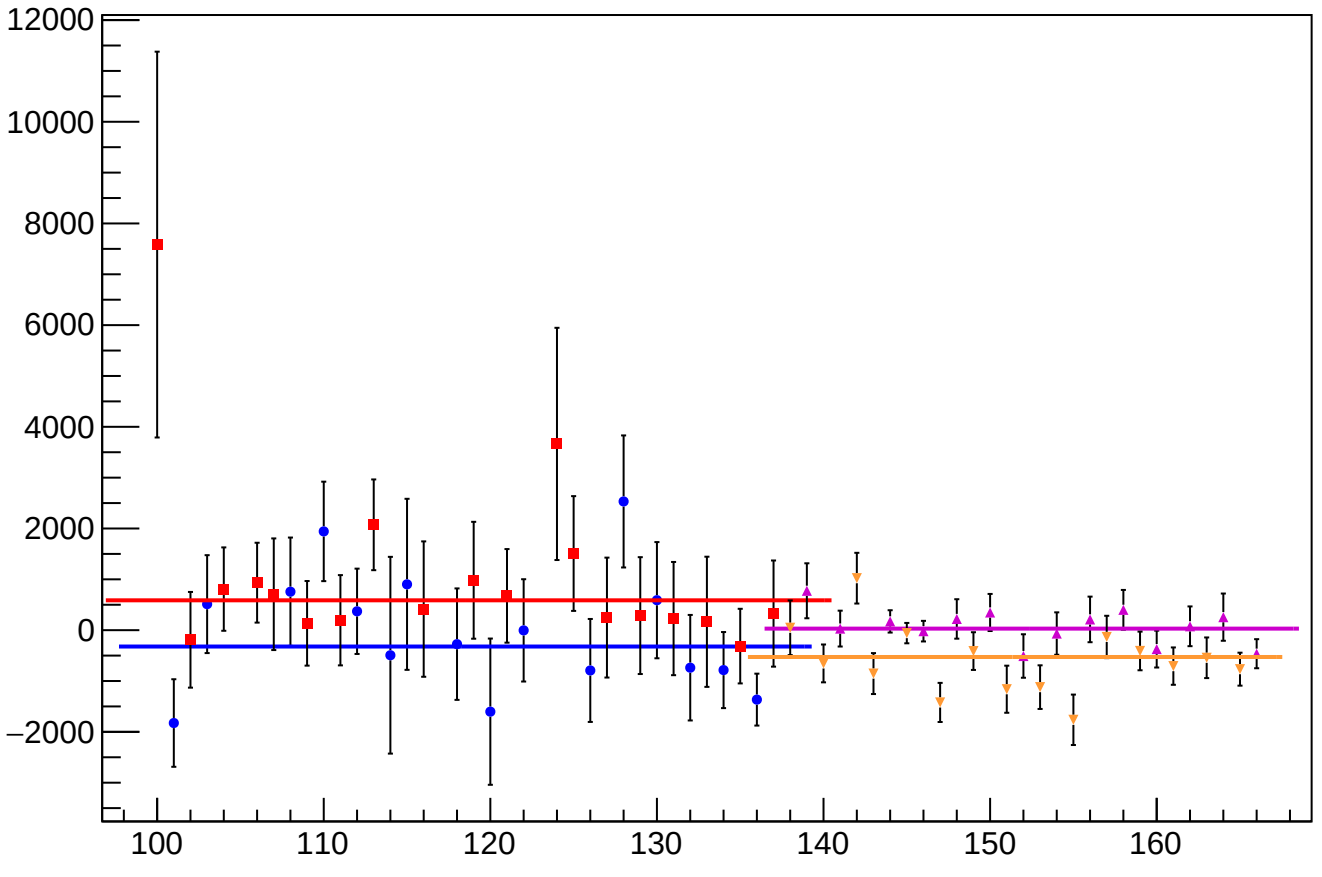
Left: 51.107+/-0.008 χ^2/NDF: 576256.2/28

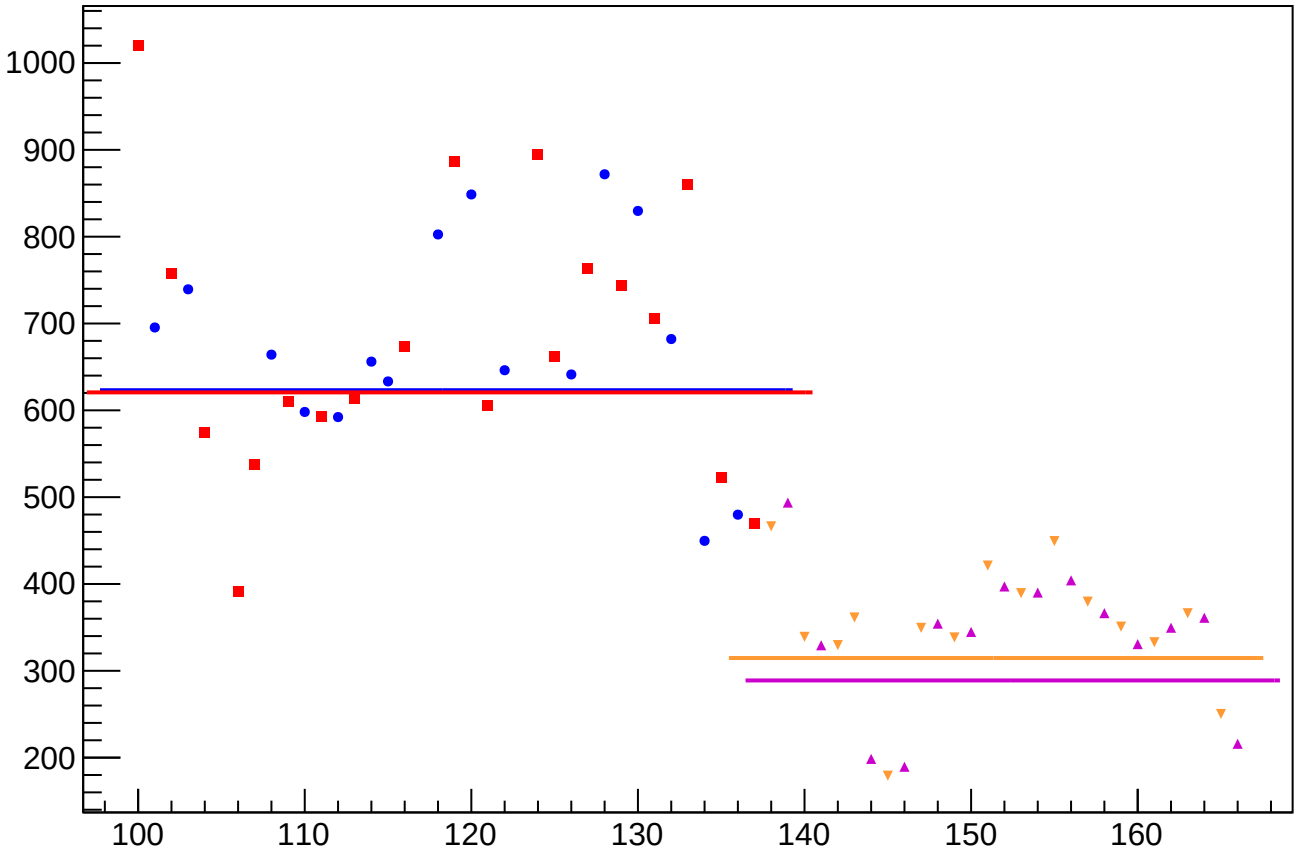
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.321+/-0.009 χ^2/NDF:1384231.3/29

Out: 54.587+/-0.009 χ^2/NDF:1487530.5/33

All: 54.455+/-0.006 χ^2/NDF: 2872190.9/63


asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -527.561+/-95.410 χ²/NDF:34.3/14
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 30.458+/-89.625 χ²/NDF:10.5/13
Left: -231.124+/-65.324 χ²/NDF: 63.0/28
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -13.119+/-83.896 χ²/NDF:35.2/29
Out: -368.743+/-88.352 χ²/NDF:66.0/33
All: -181.737+/-60.838 χ²/NDF: 109.6/63



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 288.907+/-0.063 χ^2/NDF:1947486.1/13

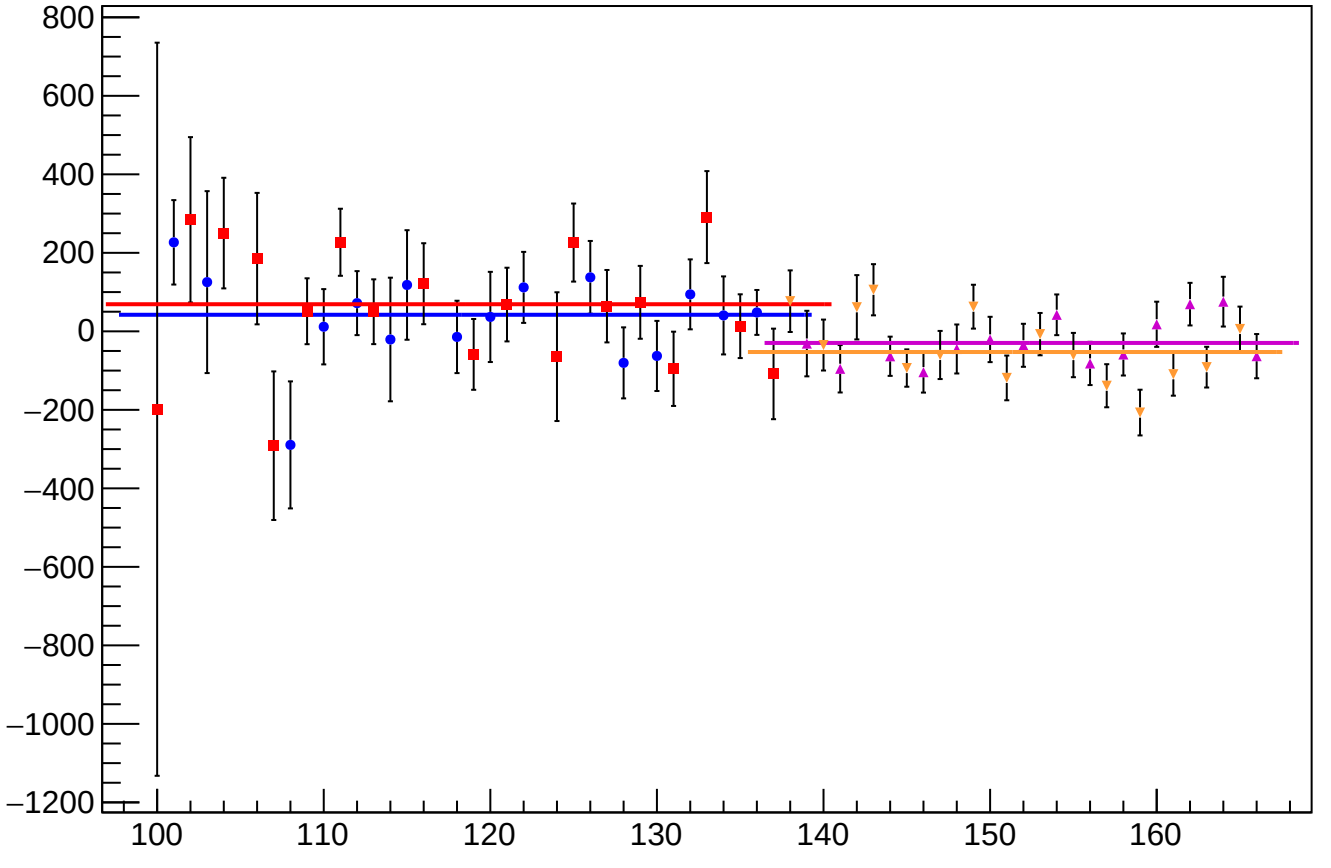
Left: 301.010+/-0.046 χ^2/NDF: 3659322.0/28

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 330.276+/-0.059 χ^2/NDF:5956142.7/29

Out: 358.313+/-0.062 χ^2/NDF:5174389.7/33

All: 343.570+/-0.043 χ^2/NDF: 11236441.3/63



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -29.542+/-15.192 χ^2/NDF:14.0/13

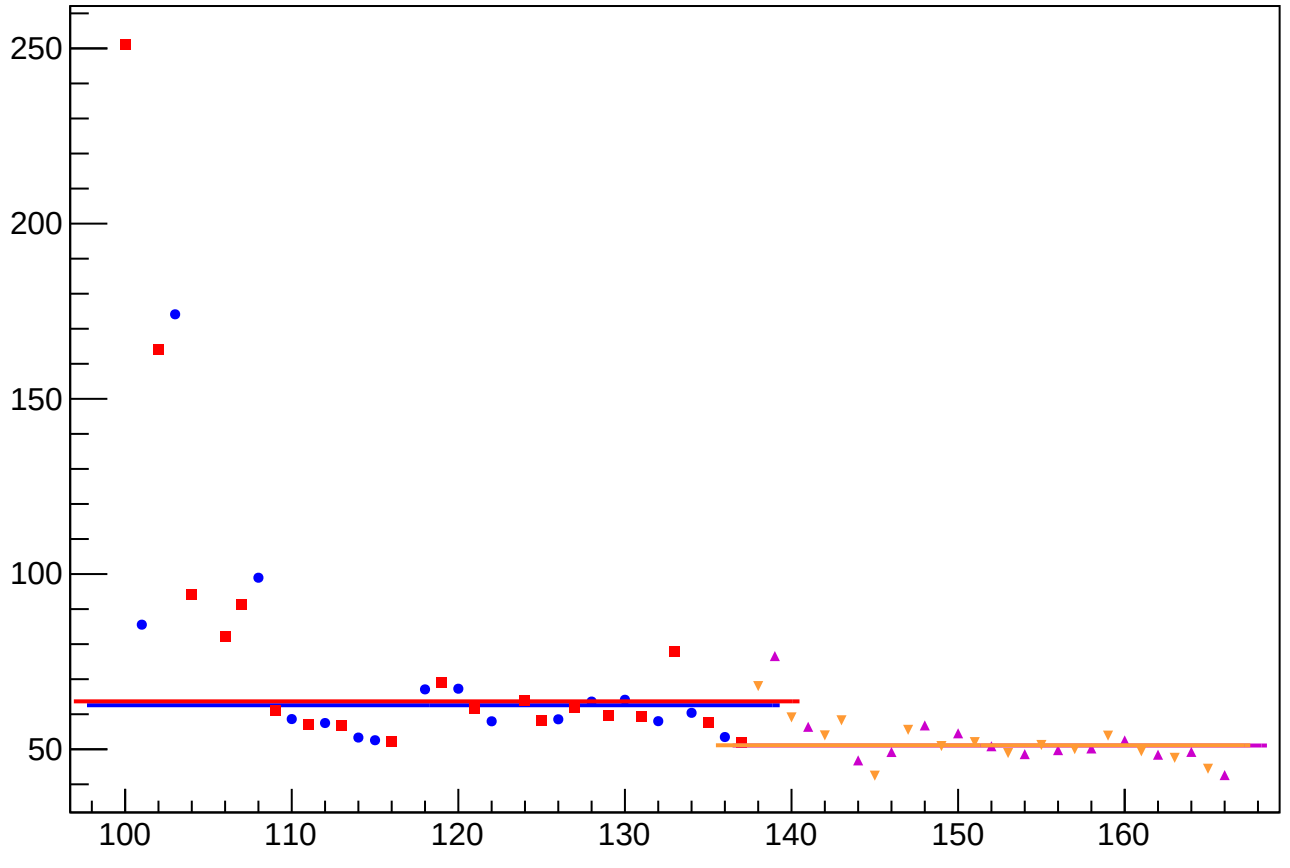
Left: -41.212+/-10.689 χ^2/NDF: 45.1/28

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -9.266+/-12.868 χ^2/NDF:33.9/29

Out: -19.173+/-12.807 χ^2/NDF:73.2/33

All: -14.243+/-9.077 χ^2/NDF: 107.4/63



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.074+/-0.011 χ^2/NDF:302250.2/13

Left: 51.107+/-0.008 χ^2/NDF: 576256.2/28

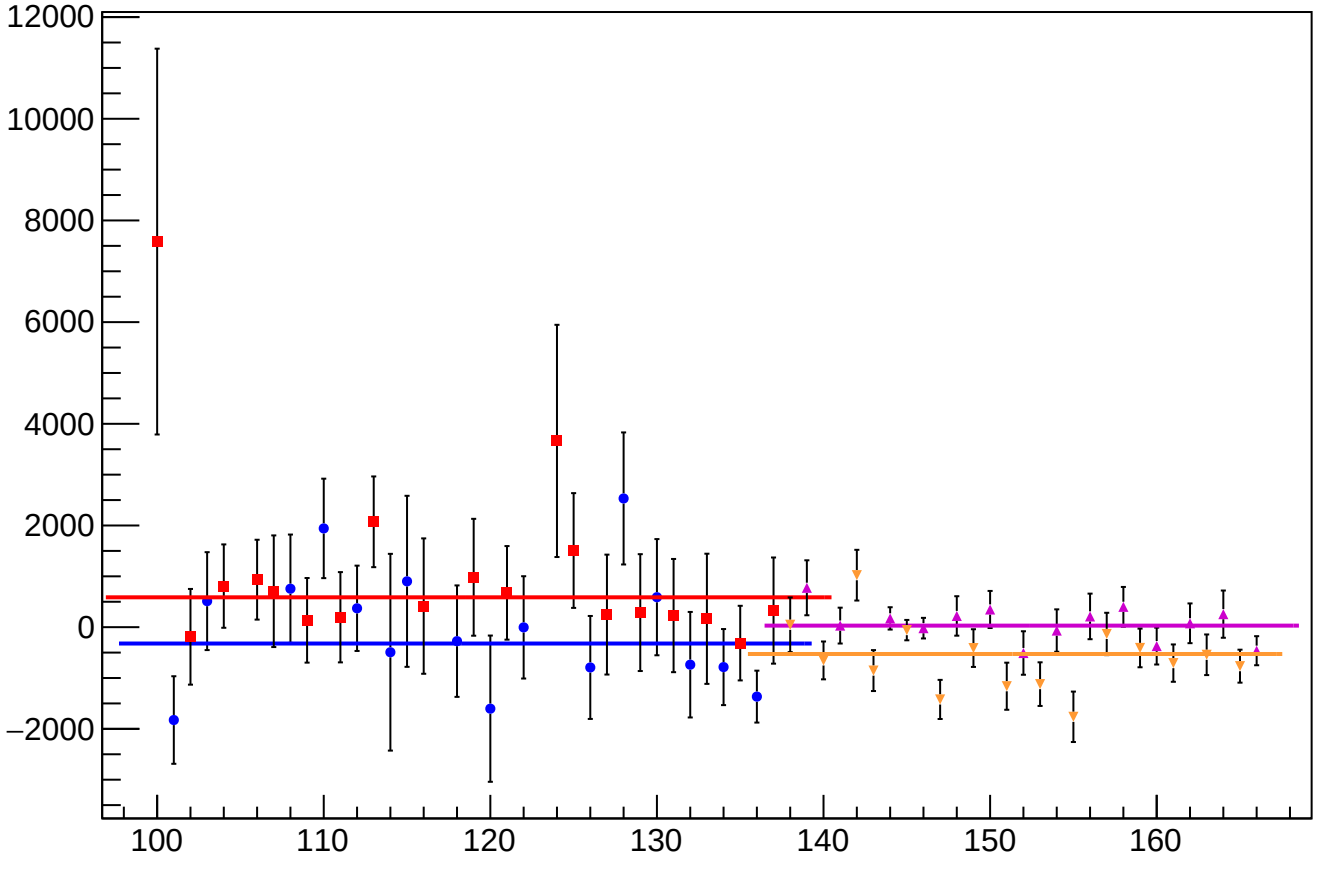
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.321+/-0.009 χ^2/NDF:1384231.3/29

Out: 54.587+/-0.009 χ^2/NDF:1487530.5/33

All: 54.455+/-0.006 χ^2/NDF: 2872190.9/63

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -527.561+/-95.410 χ^2/NDF:34.3/14

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 30.458+/-89.625 χ^2/NDF:10.5/13

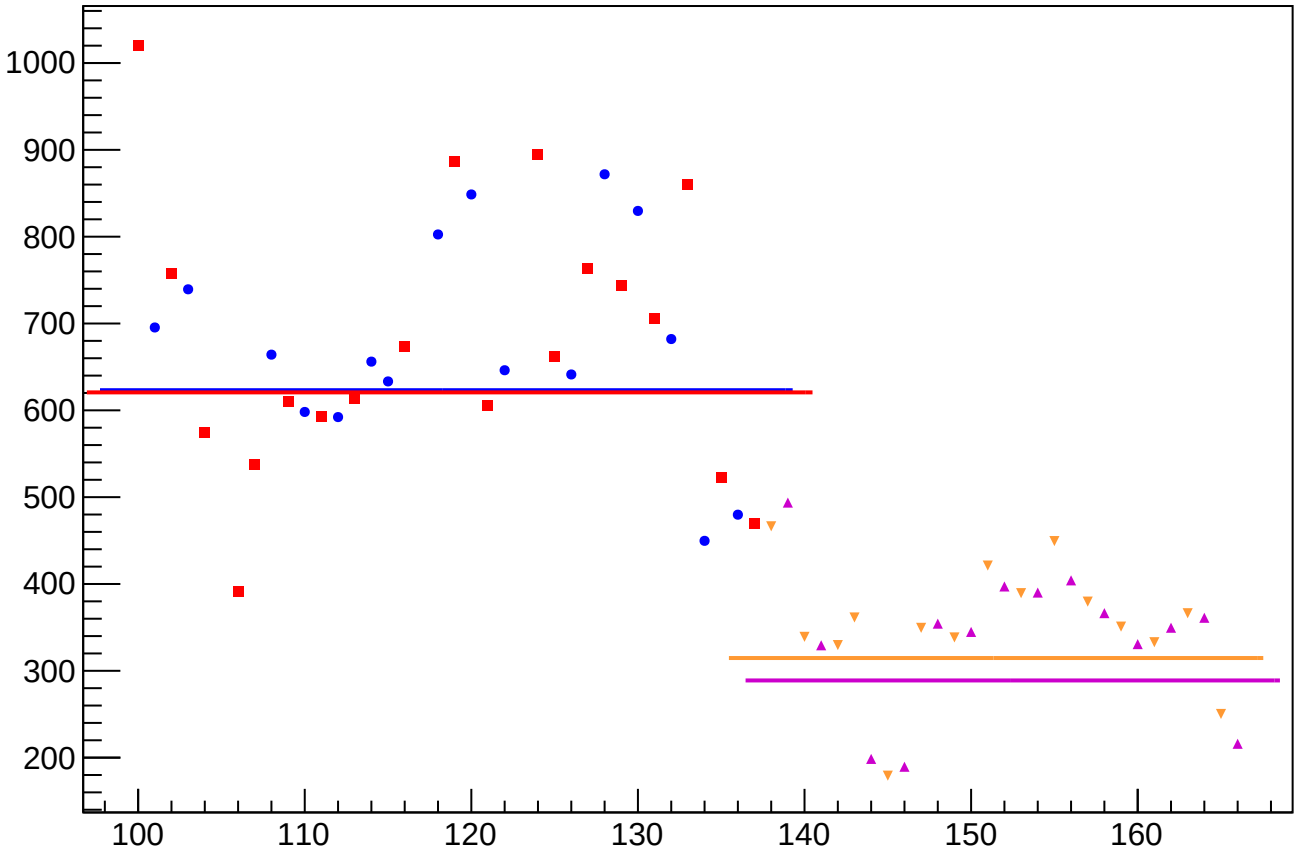
Left: -231.124+/-65.324 χ^2/NDF: 63.0/28

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -13.119+/-83.896 χ^2/NDF:35.2/29

Out: -368.743+/-88.352 χ^2/NDF:66.0/33

All: -181.737+/-60.838 χ^2/NDF: 109.6/63



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 288.907+/-0.063 χ^2/NDF:1947486.1/13

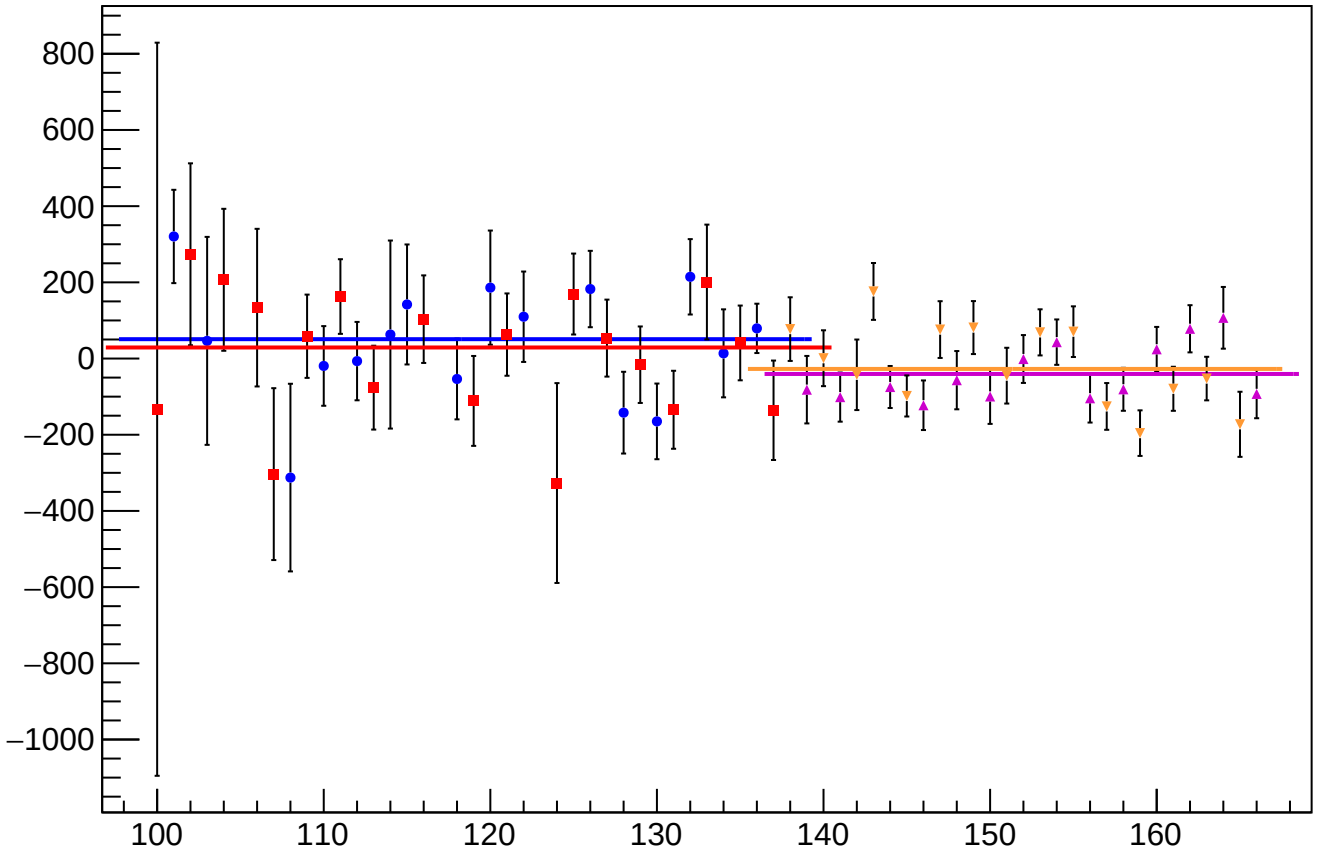
Left: 301.010+/-0.046 χ^2/NDF: 3659322.0/28

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 330.276+/-0.059 χ^2/NDF:5956142.7/29

Out: 358.313+/-0.062 χ^2/NDF:5174389.7/33

All: 343.570+/-0.043 χ^2/NDF: 11236441.3/63



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -27.242+/-17.330 χ^2/NDF:34.4/14

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -40.488+/-17.304 χ^2/NDF:16.5/13

Left: -33.875+/-12.245 χ^2/NDF: 51.2/28

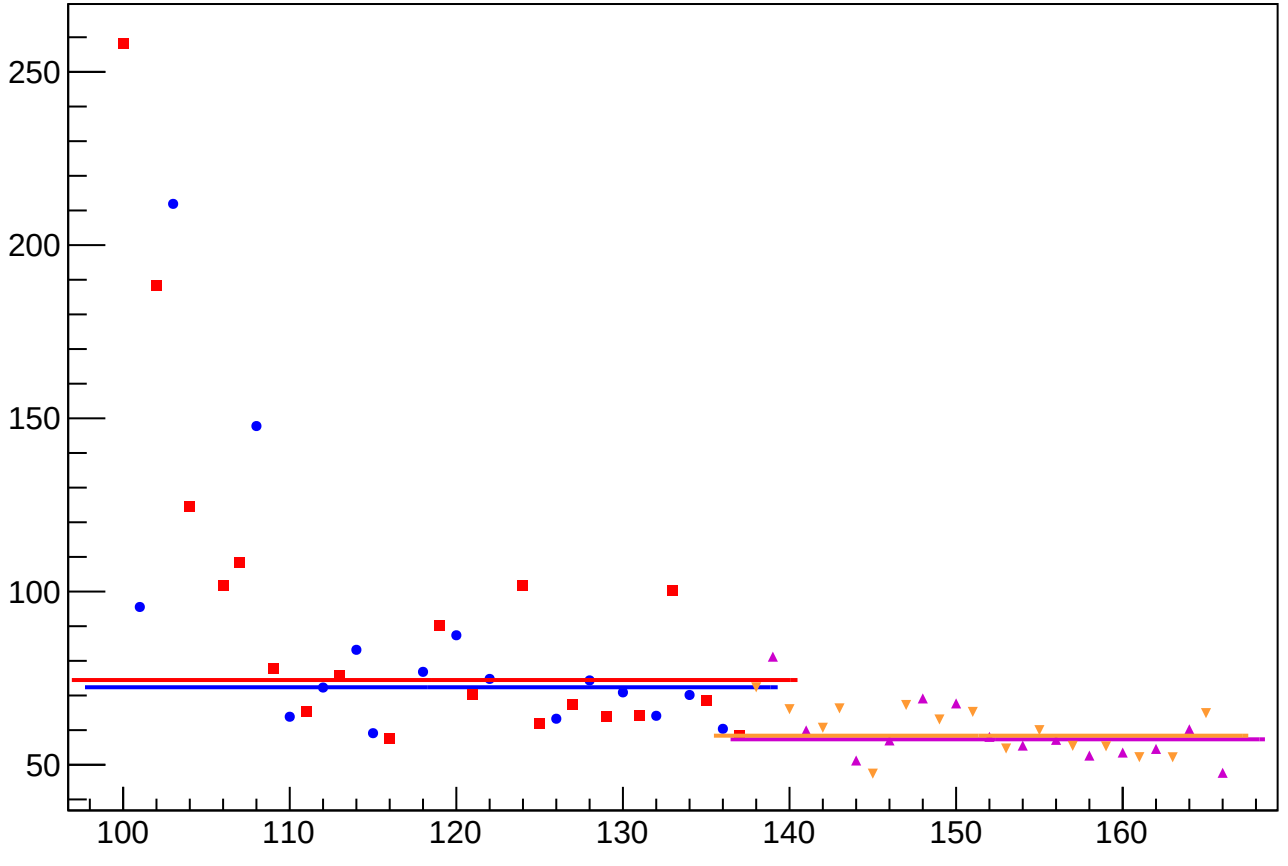
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -15.655+/-14.765 χ^2/NDF:47.0/29

Out: -12.364+/-14.864 χ^2/NDF:55.7/33

All: -14.021+/-10.475 χ^2/NDF: 102.7/63

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.399+/-0.012 χ^2/NDF:315831.1/14

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 57.352+/-0.012 χ^2/NDF:338648.7/13

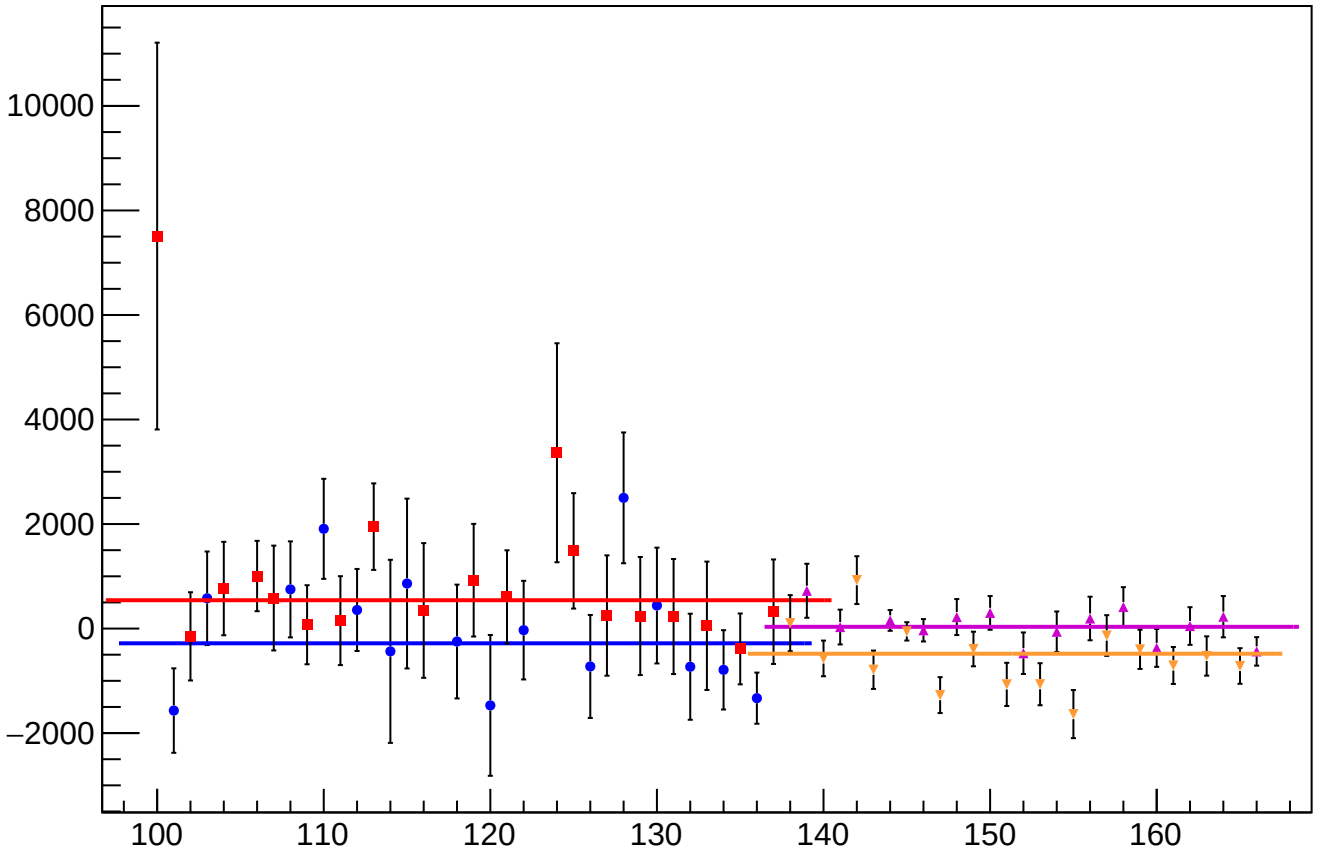
Left: 57.875+/-0.009 χ^2/NDF: 658137.7/28

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 61.437+/-0.010 χ^2/NDF:1686879.1/29

Out: 62.646+/-0.011 χ^2/NDF:1822430.9/33

All: 62.037+/-0.007 χ^2/NDF: 3515962.0/63



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 33.447+/-84.848 χ^2/NDF:10.5/13

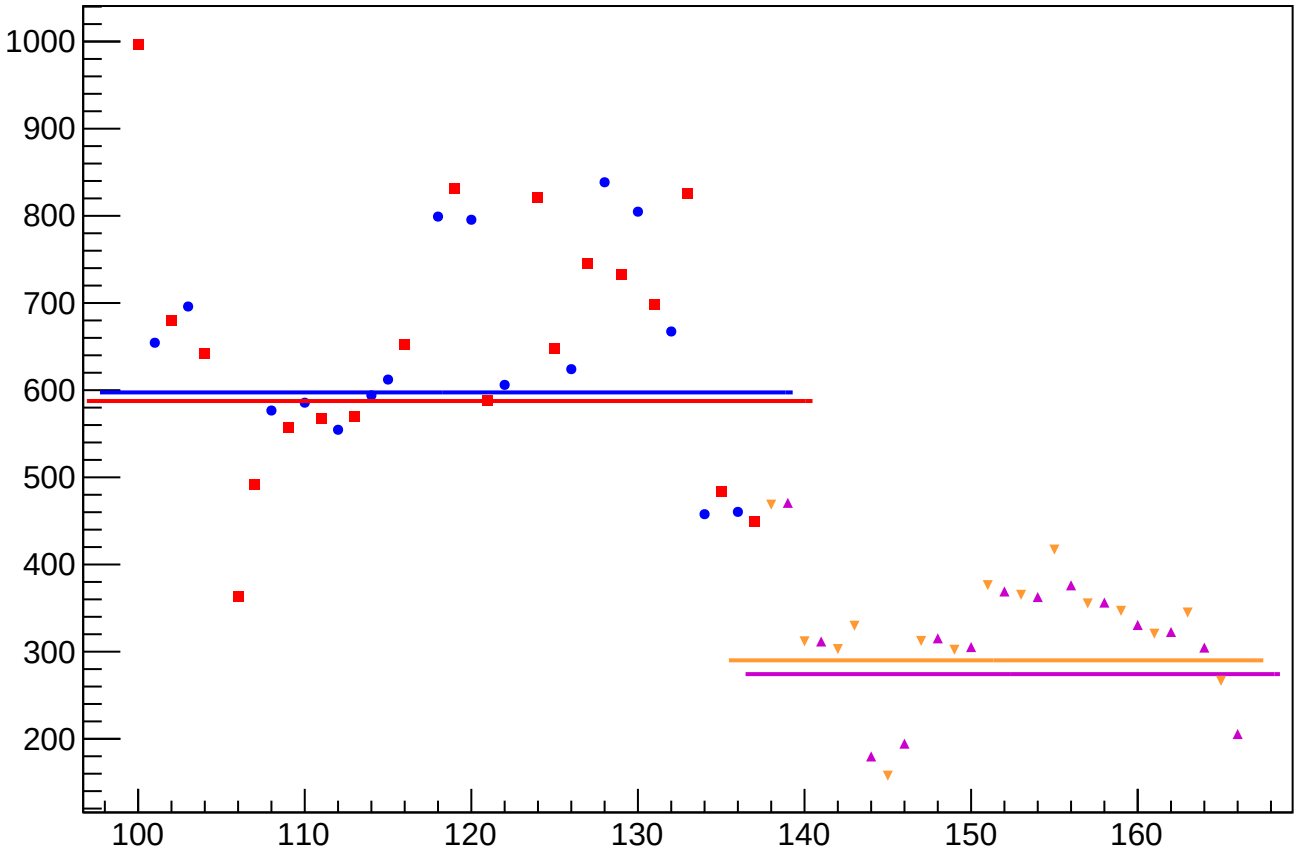
Left: -214.017+/-61.149 χ^2/NDF: 63.1/28

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -4.992+/-79.511 χ^2/NDF:35.0/29

Out: -340.714+/-81.916 χ^2/NDF:66.7/33

All: -167.851+/-57.054 χ^2/NDF: 110.3/63



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882491.4/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 274.246+/-0.060 χ^2/NDF:1746036.5/13

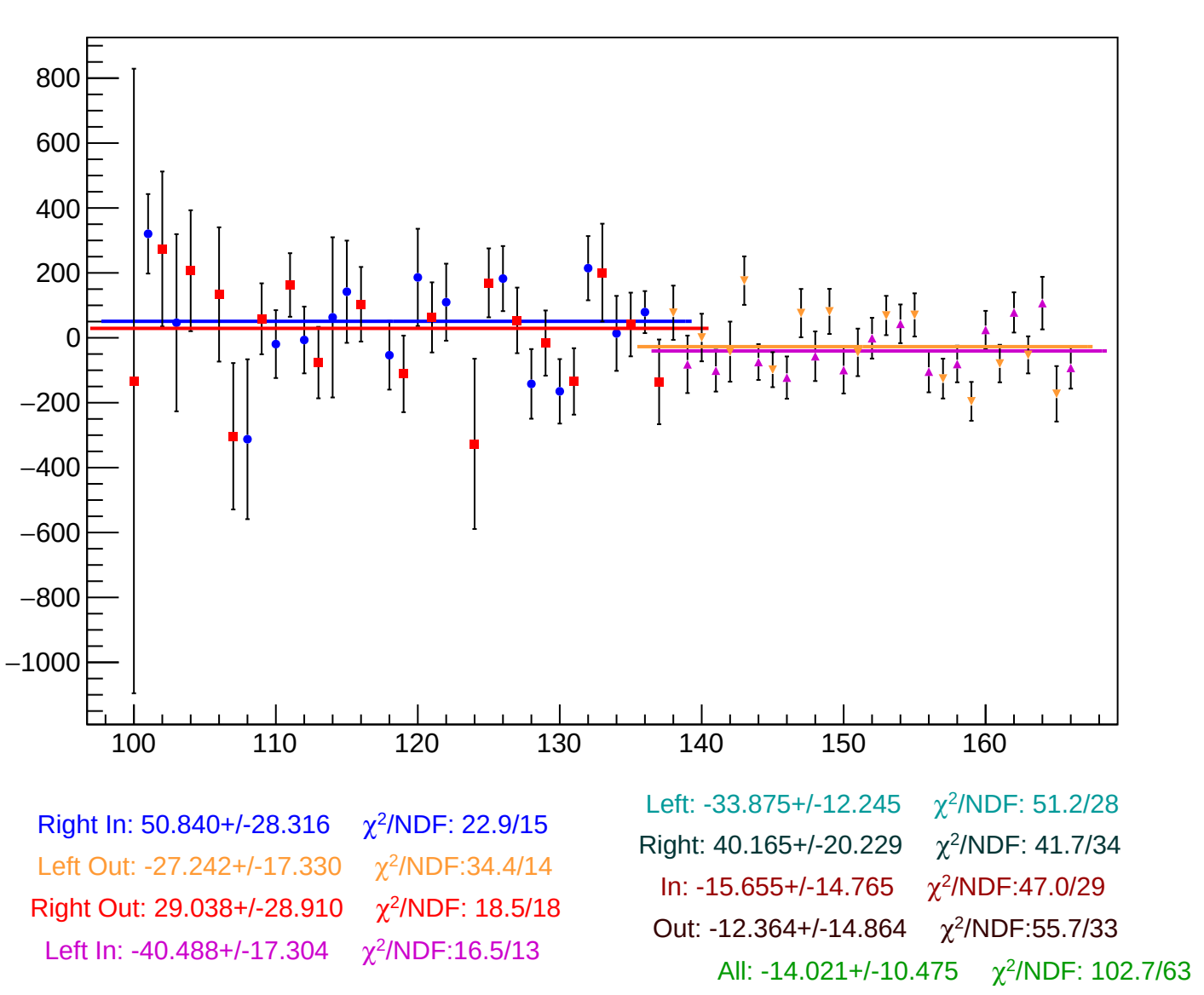
Left: 281.839+/-0.043 χ^2/NDF: 3661853.4/28

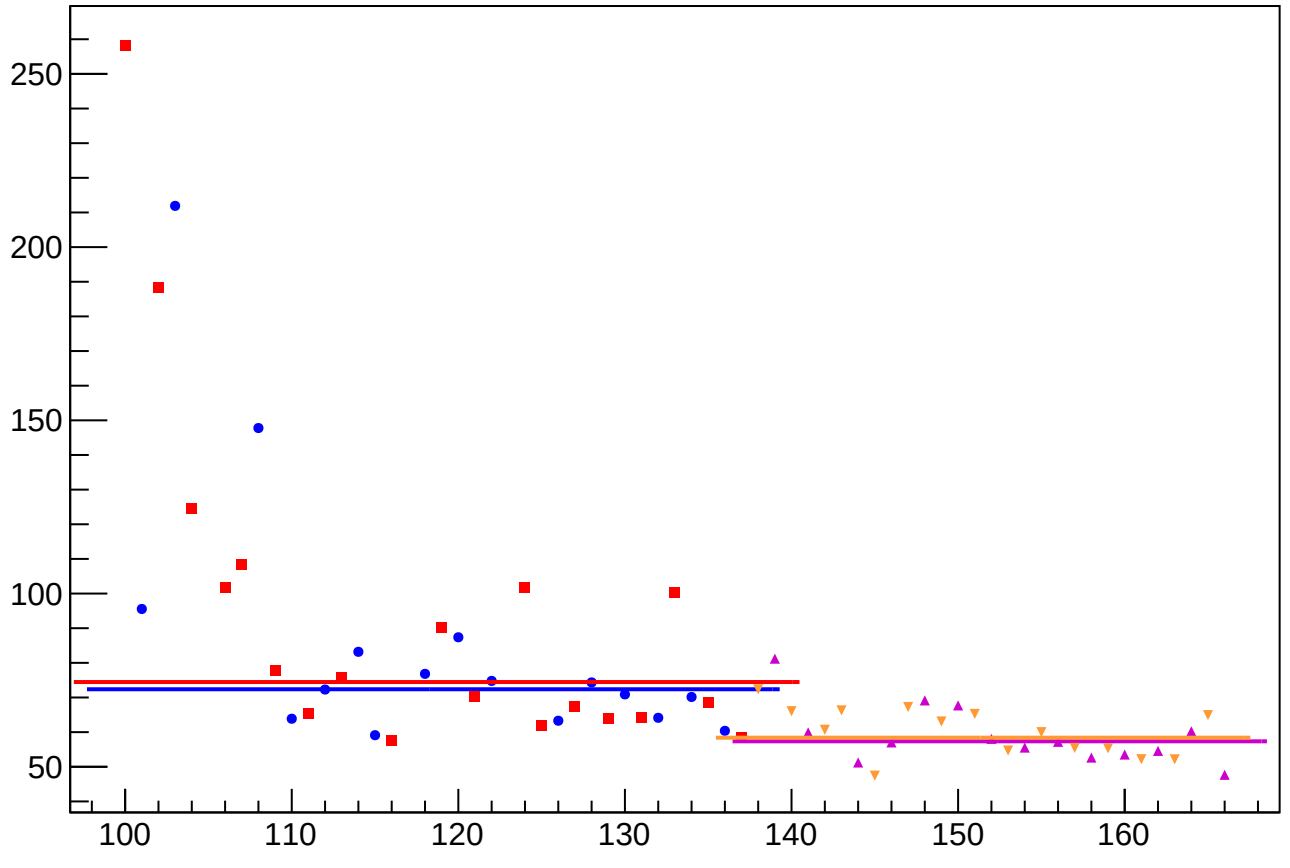
Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 313.623+/-0.056 χ^2/NDF:5815398.7/29

Out: 330.956+/-0.058 χ^2/NDF:5700564.5/33

All: 322.032+/-0.040 χ^2/NDF: 11562069.9/63


eigen_dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 50.840+/-28.316 χ²/NDF: 22.9/15
Left Out: -27.242+/-17.330 χ²/NDF:34.4/14
Right Out: 29.038+/-28.910 χ²/NDF: 18.5/18
Left In: -40.488+/-17.304 χ²/NDF:16.5/13
Left: -33.875+/-12.245 χ²/NDF: 51.2/28
Right: 40.165+/-20.229 χ²/NDF: 41.7/34
In: -15.655+/-14.765 χ²/NDF:47.0/29
Out: -12.364+/-14.864 χ²/NDF:55.7/33
All: -14.021+/-10.475 χ²/NDF: 102.7/63



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.399+/-0.012 χ^2/NDF:315844.5/14

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 57.352+/-0.012 χ^2/NDF:338652.9/13

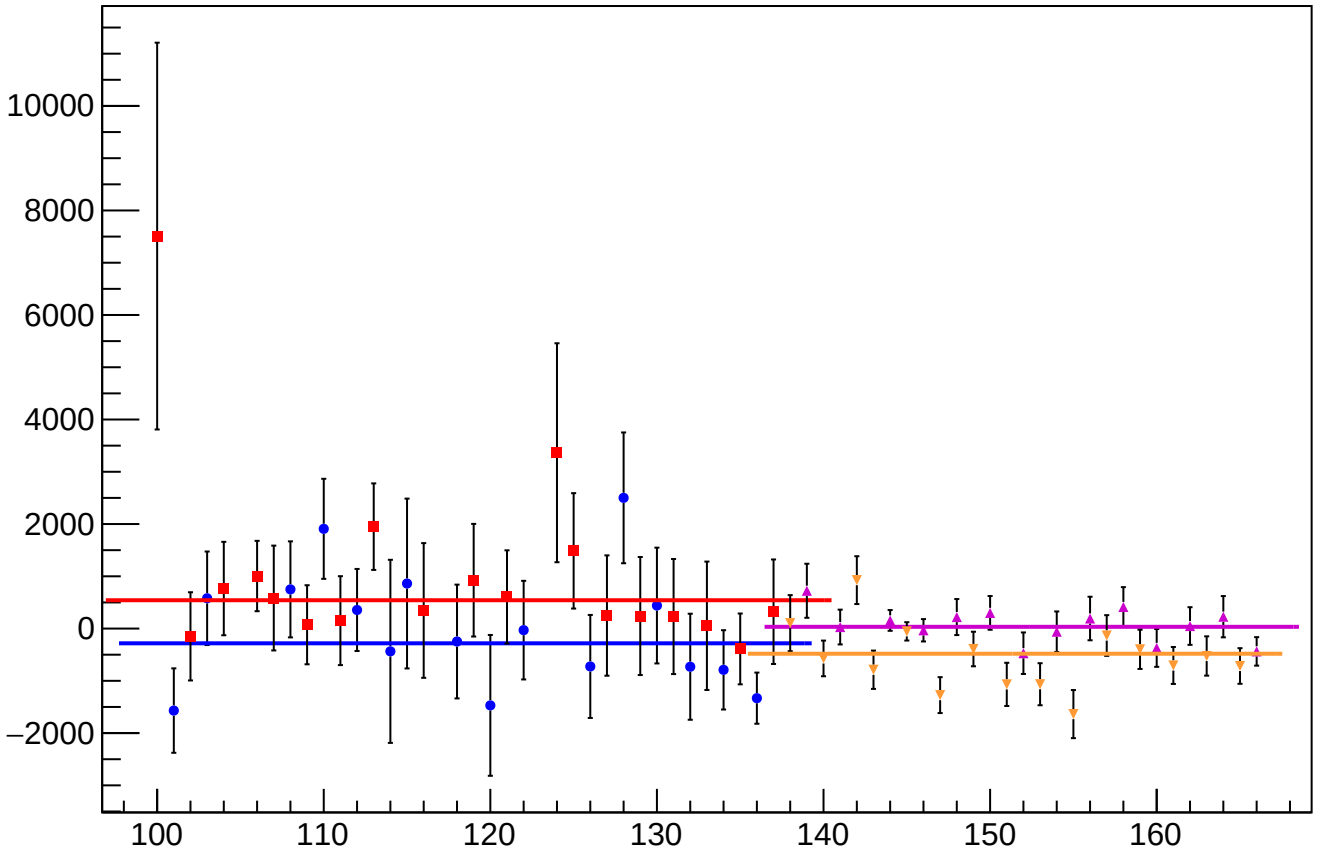
Left: 57.875+/-0.009 χ^2/NDF: 658155.5/28

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 61.437+/-0.010 χ^2/NDF:1686873.1/29

Out: 62.646+/-0.011 χ^2/NDF:1822423.8/33

All: 62.038+/-0.007 χ^2/NDF: 3515949.4/63



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 33.447+/-84.848 χ^2/NDF:10.5/13

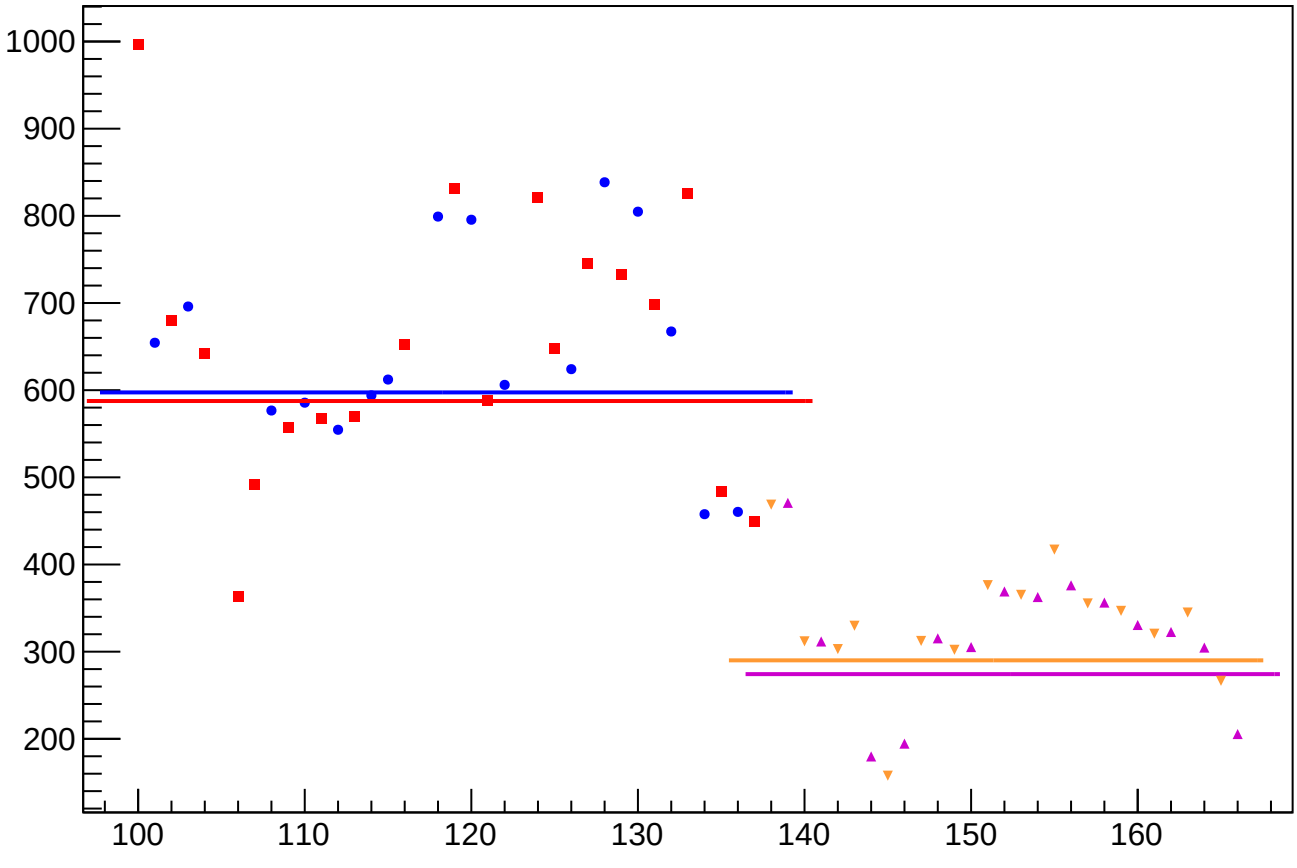
Left: -214.017+/-61.149 χ^2/NDF: 63.1/28

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -4.992+/-79.511 χ^2/NDF:35.0/29

Out: -340.715+/-81.916 χ^2/NDF:66.7/33

All: -167.852+/-57.054 χ^2/NDF: 110.3/63



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882480.3/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 274.246+/-0.060 χ^2/NDF:1746030.9/13

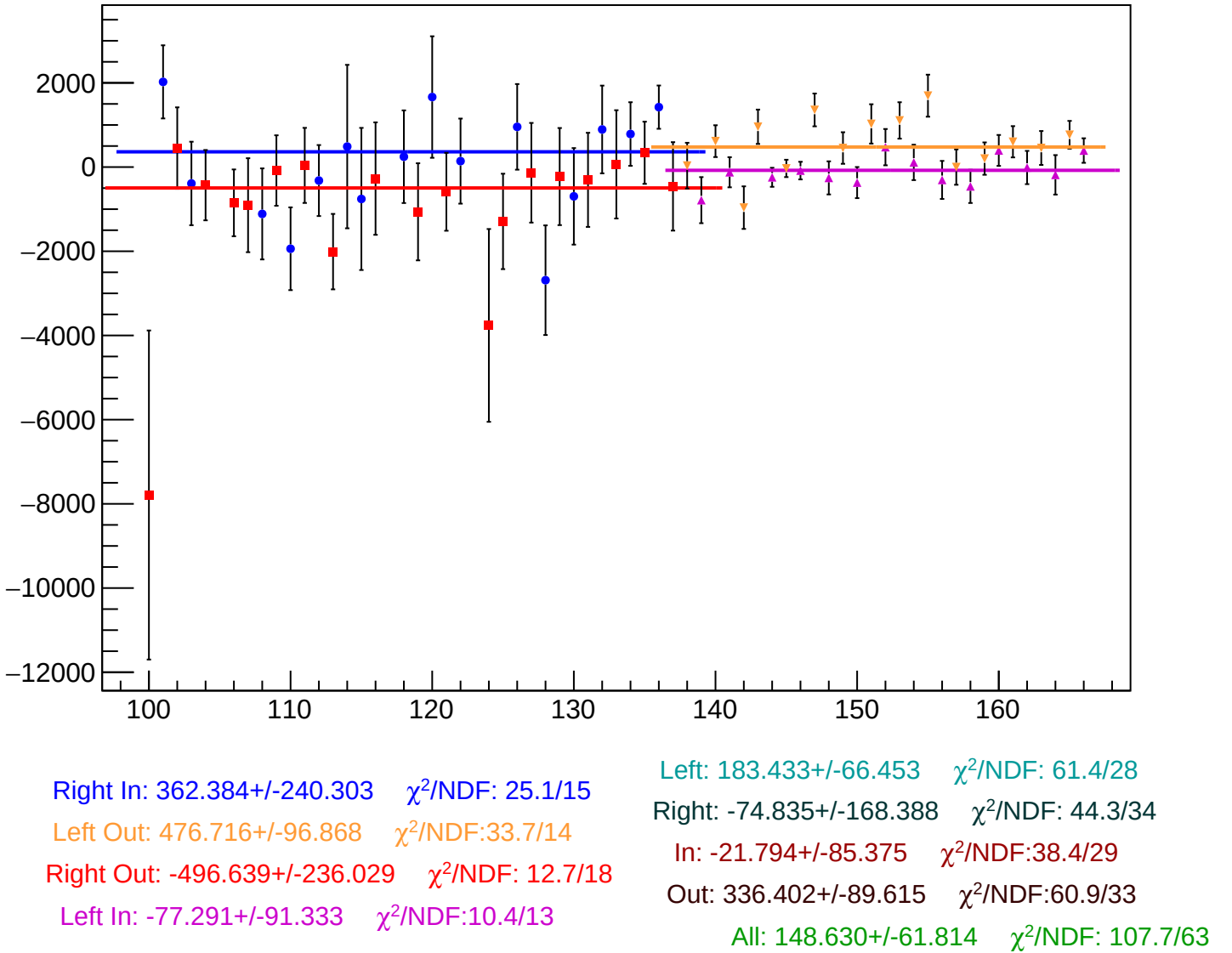
Left: 281.838+/-0.043 χ^2/NDF: 3661837.3/28

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

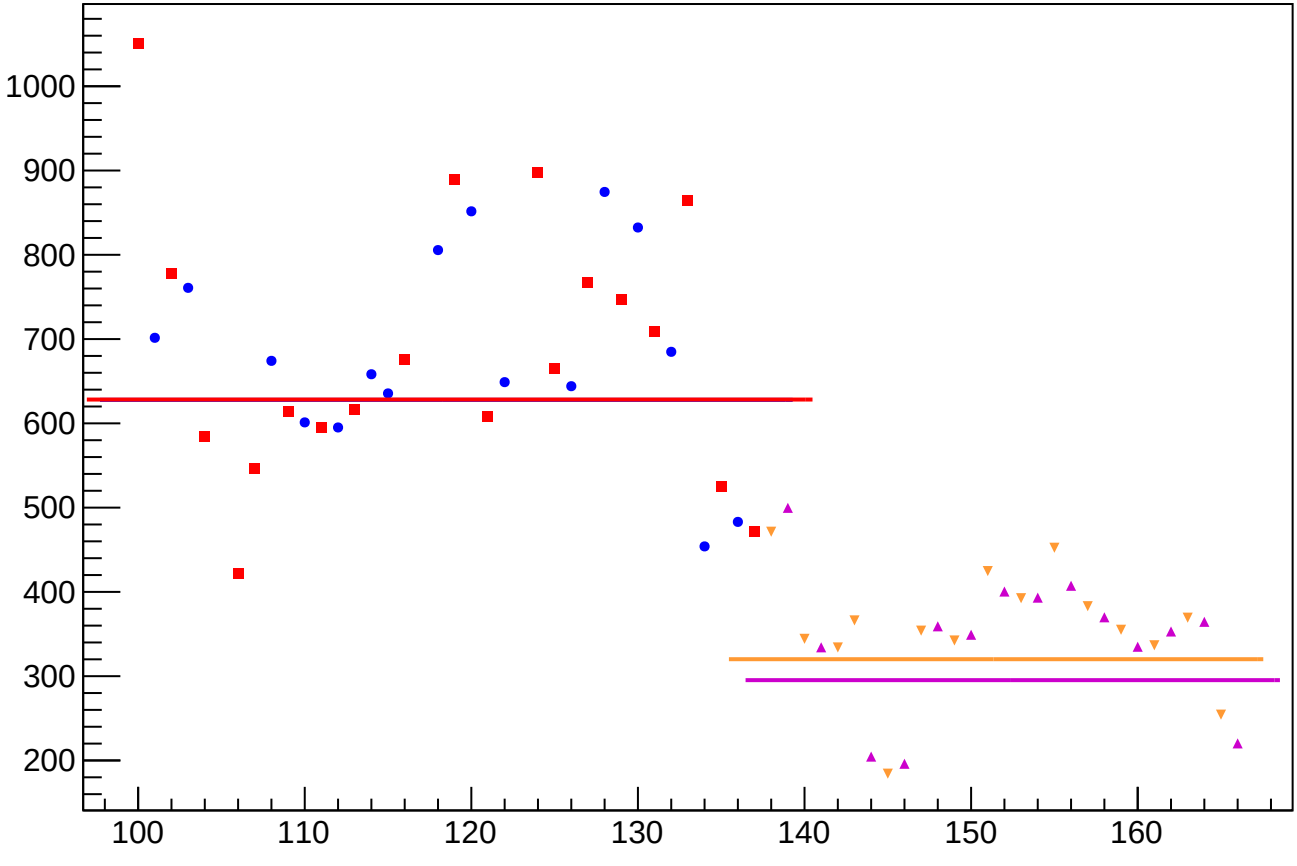
In: 313.623+/-0.056 χ^2/NDF:5815402.8/29

Out: 330.956+/-0.058 χ^2/NDF:5700552.6/33

All: 322.031+/-0.040 χ^2/NDF: 11562062.8/63


asym_sam_37_dd_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: 362.384+/-240.303 χ²/NDF: 25.1/15
Left Out: 476.716+/-96.868 χ²/NDF:33.7/14
Right Out: -496.639+/-236.029 χ²/NDF: 12.7/18
Left In: -77.291+/-91.333 χ²/NDF:10.4/13
Left: 183.433+/-66.453 χ²/NDF: 61.4/28
Right: -74.835+/-168.388 χ²/NDF: 44.3/34
In: -21.794+/-85.375 χ²/NDF:38.4/29
Out: 336.402+/-89.615 χ²/NDF:60.9/33
All: 148.630+/-61.814 χ²/NDF: 107.7/63

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 320.142+/-0.068 χ^2/NDF:1553619.7/14

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 295.292+/-0.065 χ^2/NDF:1833994.8/13

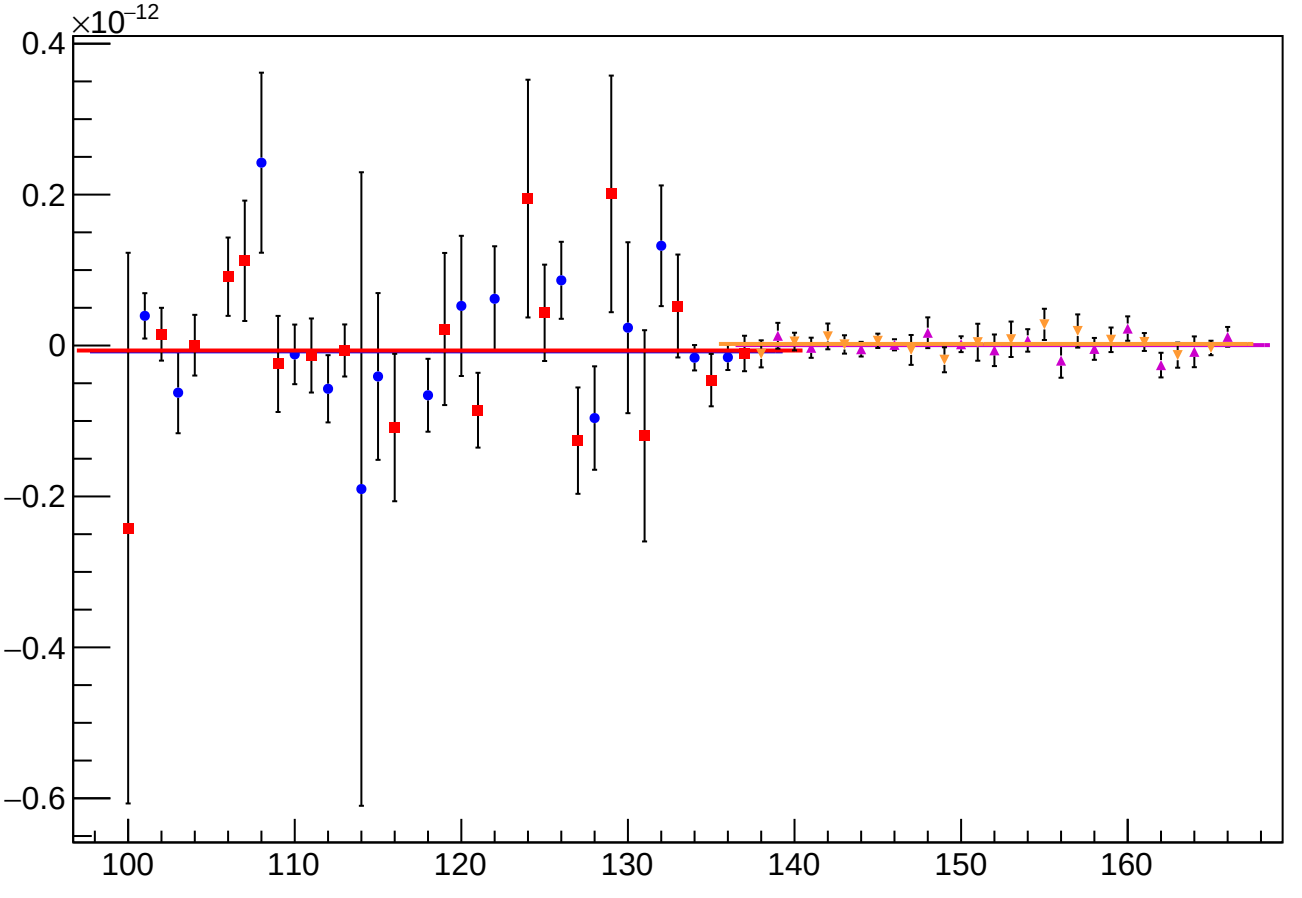
Left: 306.986+/-0.047 χ^2/NDF: 3457291.6/28

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 337.274+/-0.060 χ^2/NDF:5748654.0/29

Out: 364.557+/-0.063 χ^2/NDF:5041368.5/33

All: 350.255+/-0.044 χ^2/NDF: 10887198.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/13

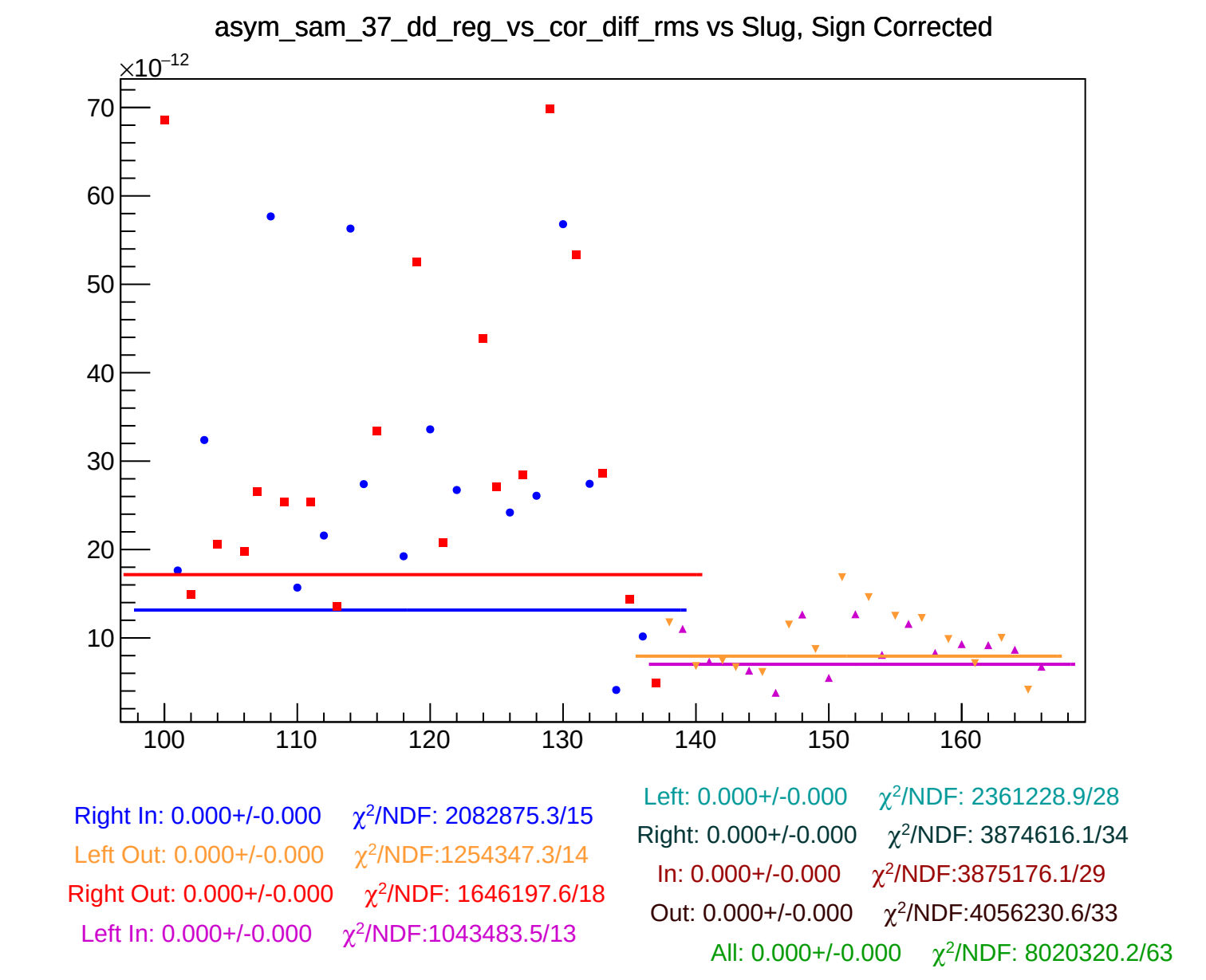
Left: 0.000+/-0.000 χ^2/NDF: 14.7/28

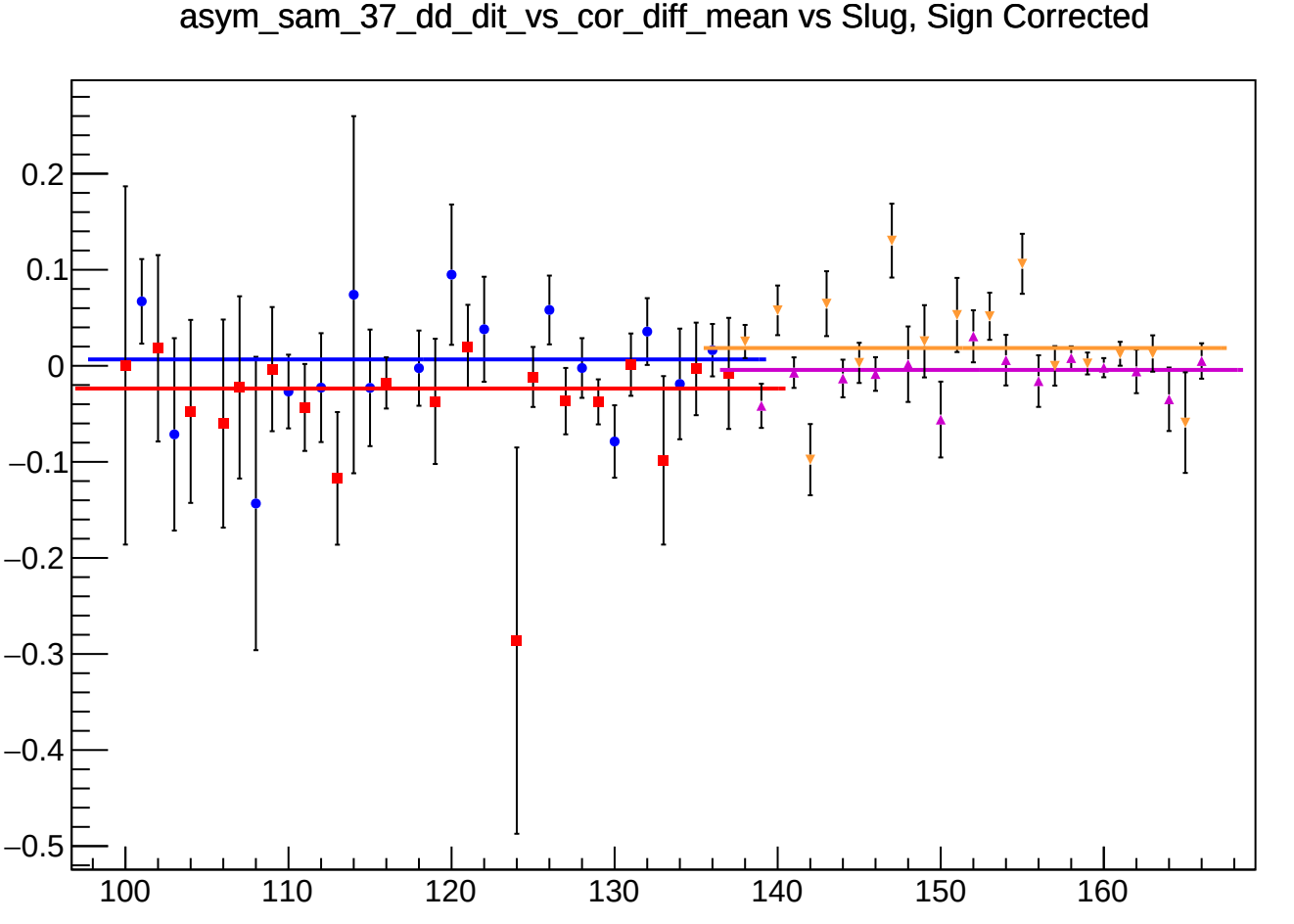
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.8/29

Out: 0.000+/-0.000 χ^2/NDF:26.9/33

All: 0.000+/-0.000 χ^2/NDF: 56.8/63


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1254347.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1043483.5/13
Left: 0.000+/-0.000 χ²/NDF: 2361228.9/28
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3875176.1/29
Out: 0.000+/-0.000 χ²/NDF:4056230.6/33
All: 0.000+/-0.000 χ²/NDF: 8020320.2/63



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

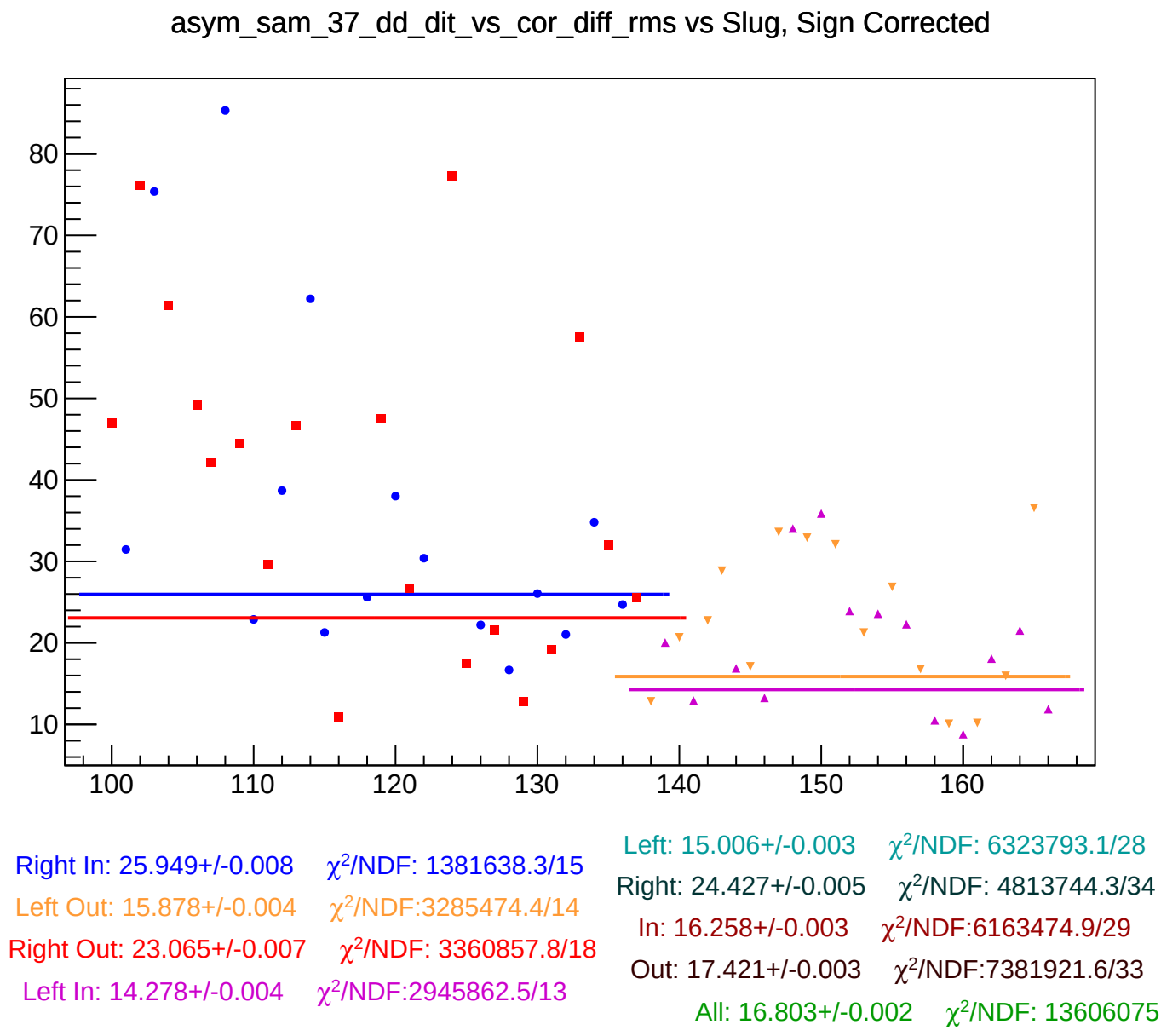
Left: 0.006+/-0.004 χ^2/NDF: 57.2/28

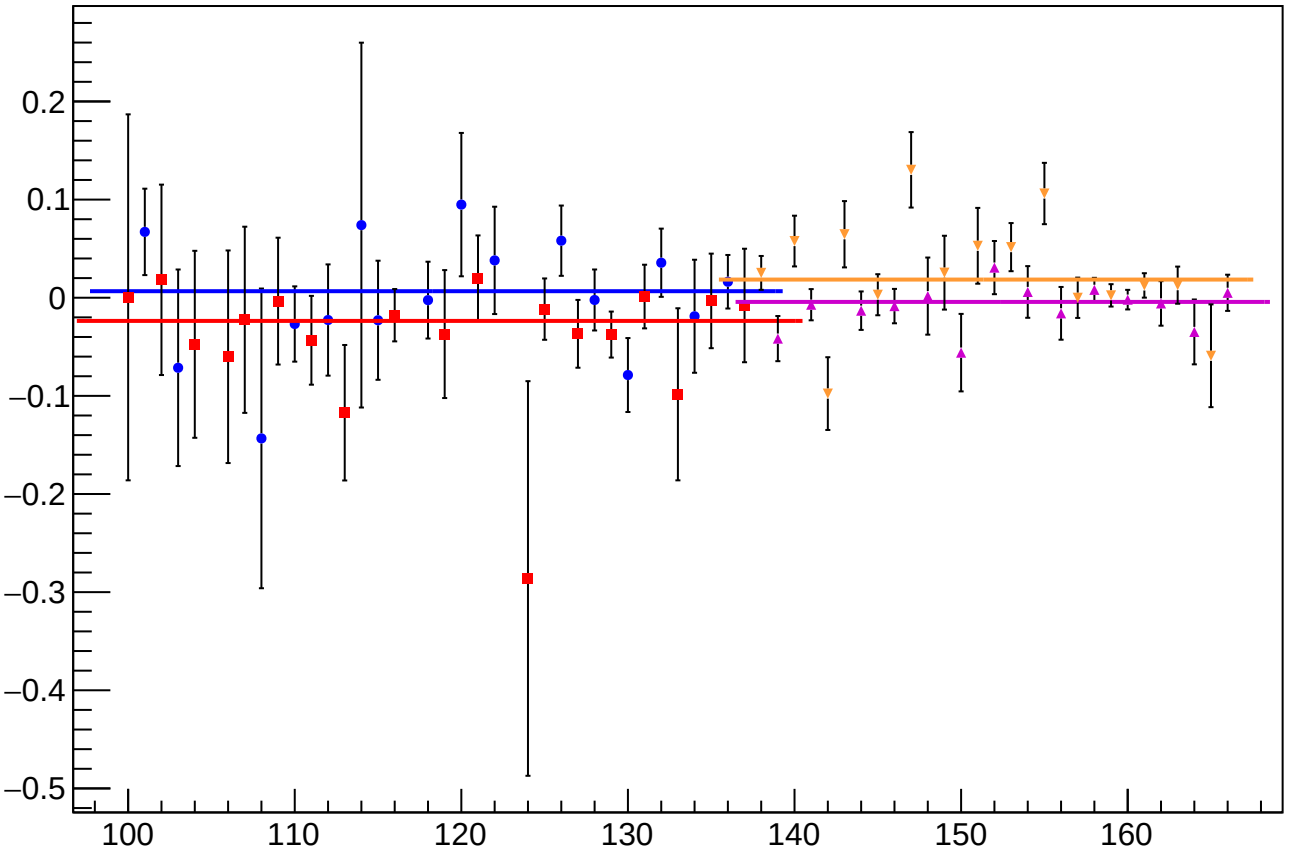
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/63


asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 15.878+/-0.004 χ²/NDF:3285474.4/14
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.278+/-0.004 χ²/NDF:2945862.5/13
Left: 15.006+/-0.003 χ²/NDF: 6323793.1/28
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 16.258+/-0.003 χ²/NDF:6163474.9/29
Out: 17.421+/-0.003 χ²/NDF:7381921.6/33
All: 16.803+/-0.002 χ²/NDF: 13606075.1/63



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

Left: 0.006+/-0.004 χ^2/NDF: 57.2/28

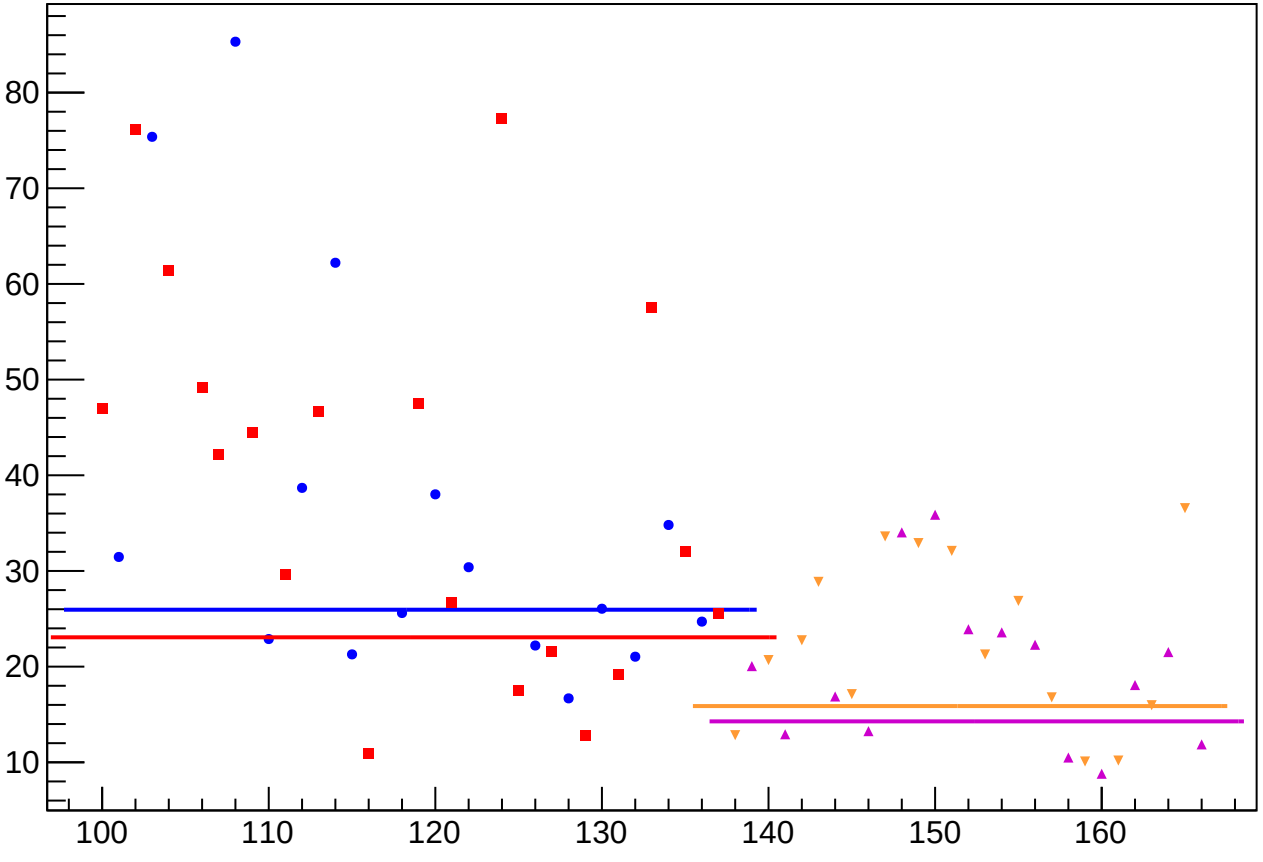
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/63

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285474.4/14

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.278+/-0.004 χ^2/NDF:2945862.5/13

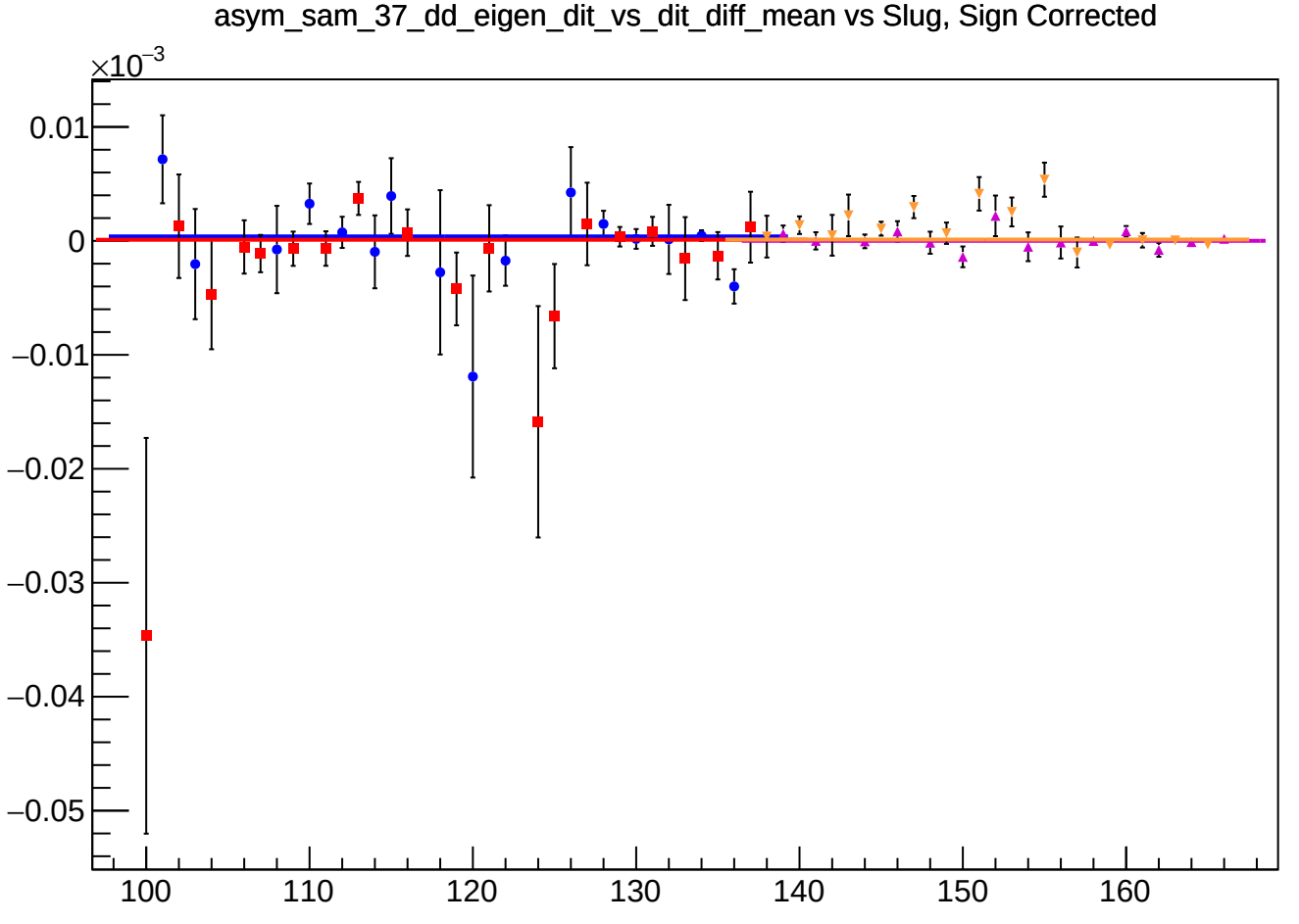
Left: 15.006+/-0.003 χ^2/NDF: 6323793.1/28

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.258+/-0.003 χ^2/NDF:6163474.9/29

Out: 17.421+/-0.003 χ^2/NDF:7381921.6/33

All: 16.803+/-0.002 χ^2/NDF: 13606075.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

Left: 0.000+/-0.000 χ^2/NDF: 56.6/28

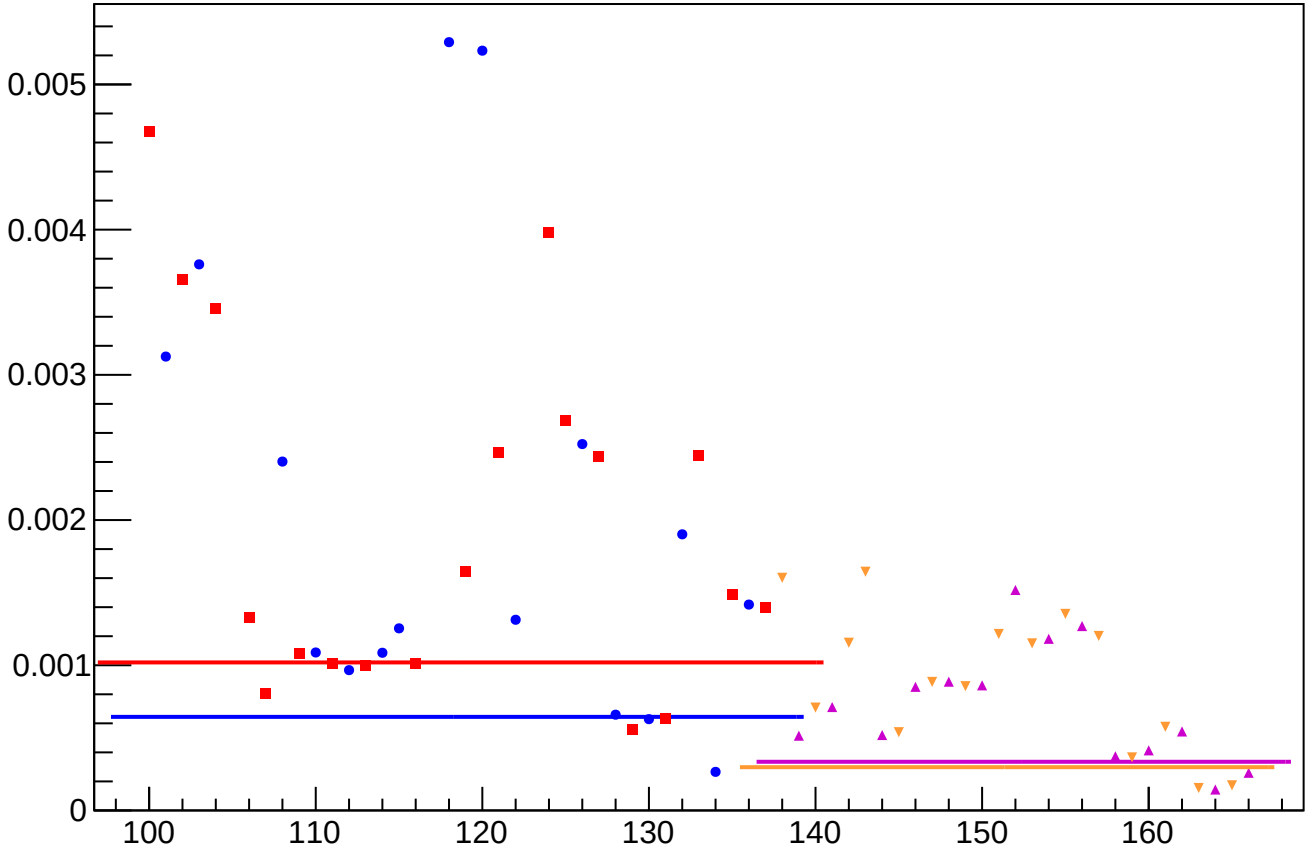
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:33.2/29

Out: 0.000+/-0.000 χ^2/NDF:65.4/33

All: 0.000+/-0.000 χ^2/NDF: 98.8/63

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10763876.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7924208.6/13

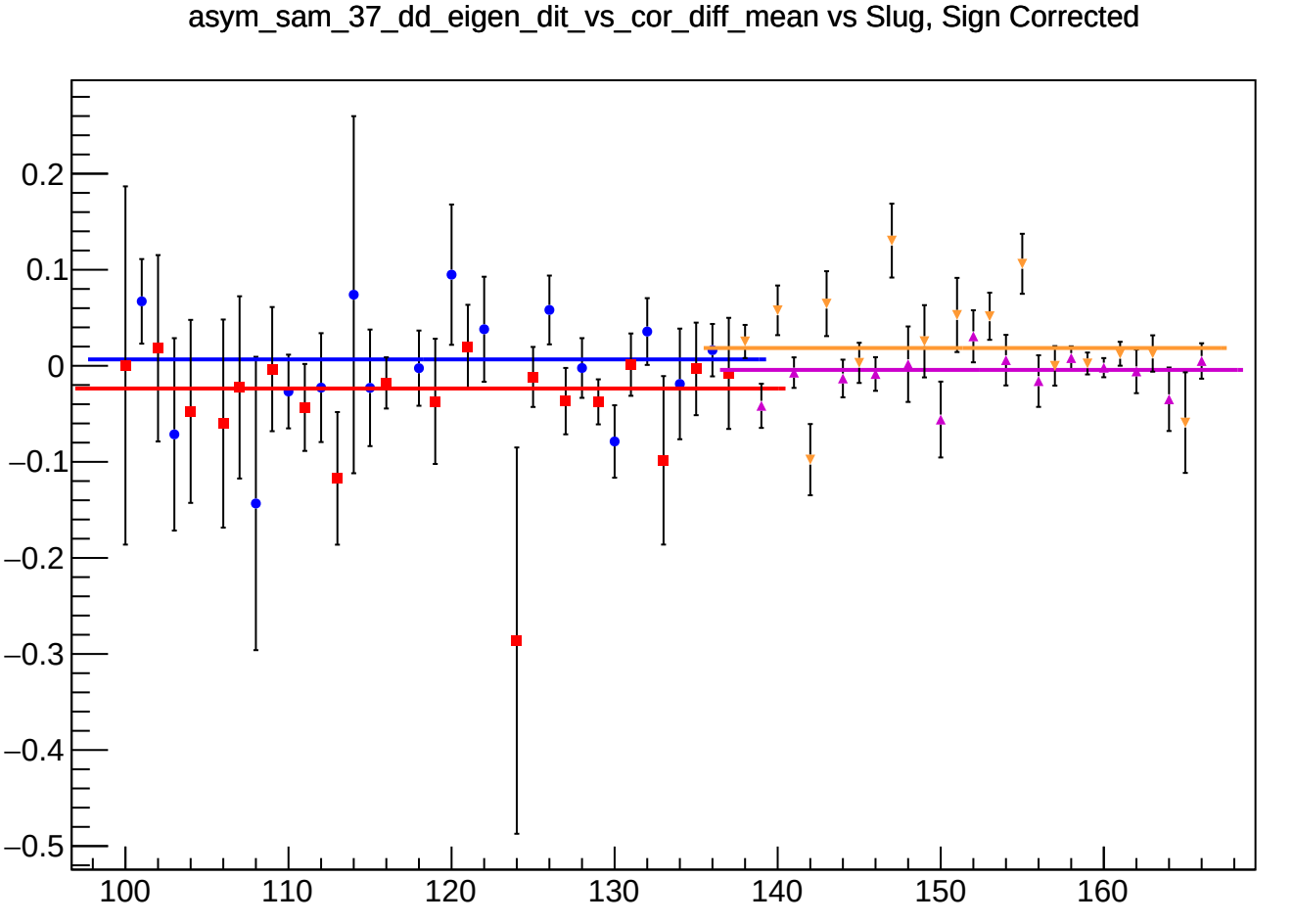
Left: 0.000+/-0.000 χ^2/NDF: 18775952.1/28

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:15943461.5/29

Out: 0.000+/-0.000 χ^2/NDF:19216920.4/33

All: 0.000+/-0.000 χ^2/NDF: 35214542.1/63



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

Left: 0.006+/-0.004 χ^2/NDF: 57.2/28

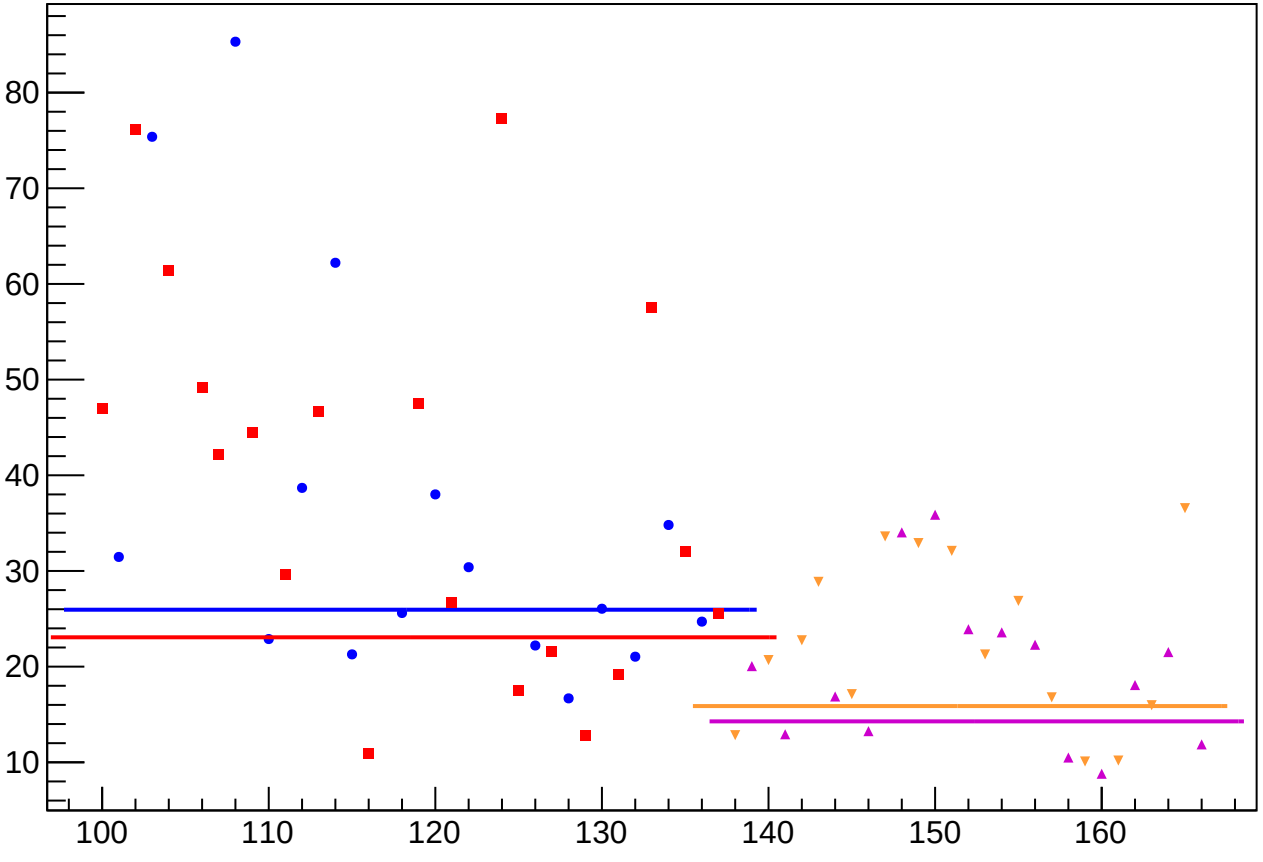
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/63

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285674.7/14

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.279+/-0.004 χ^2/NDF:2946017.8/13

Left: 15.006+/-0.003 χ^2/NDF: 6324159.1/28

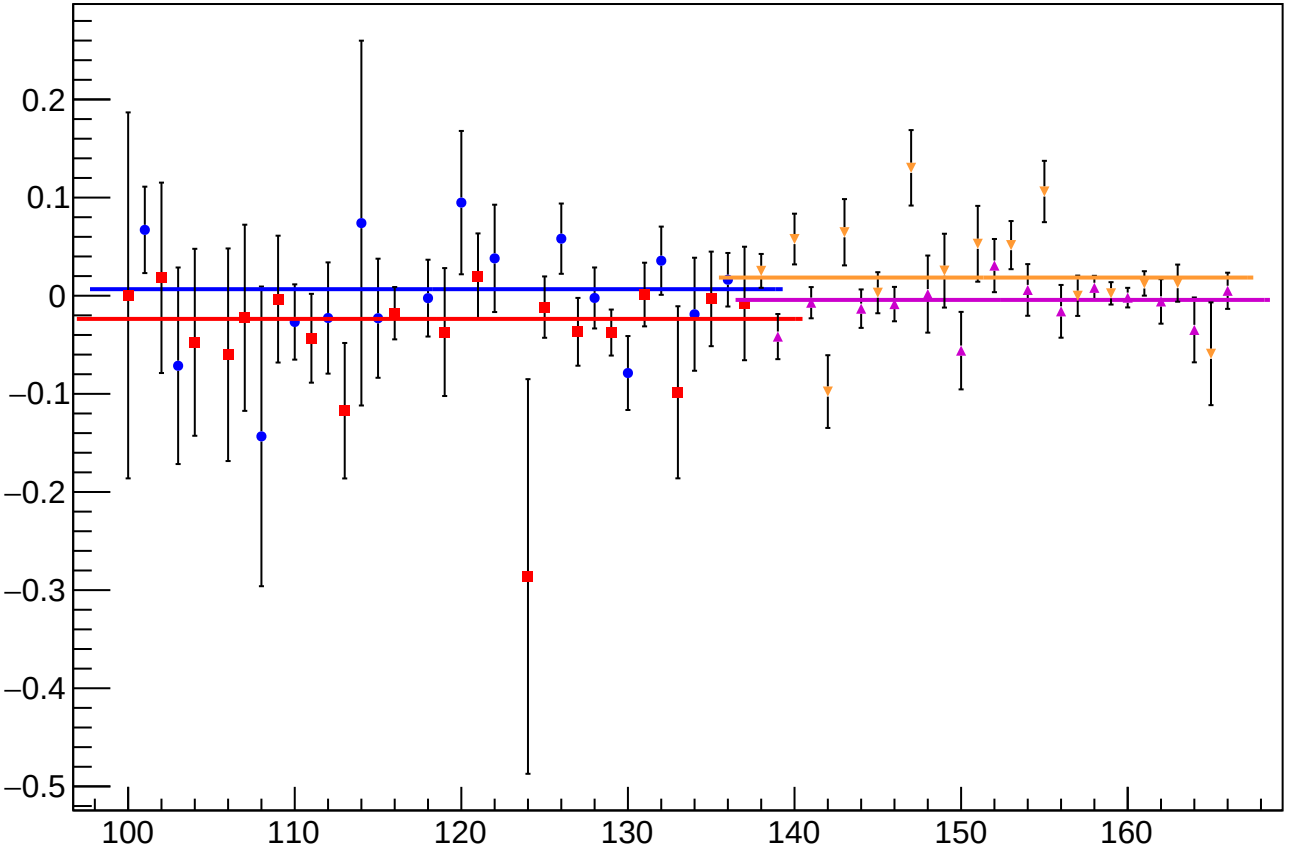
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.258+/-0.003 χ^2/NDF:6163637.2/29

Out: 17.422+/-0.003 χ^2/NDF:7381998.1/33

All: 16.804+/-0.002 χ^2/NDF: 13606326.1/63

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/13

Left: 0.006+/-0.004 χ^2/NDF: 57.2/28

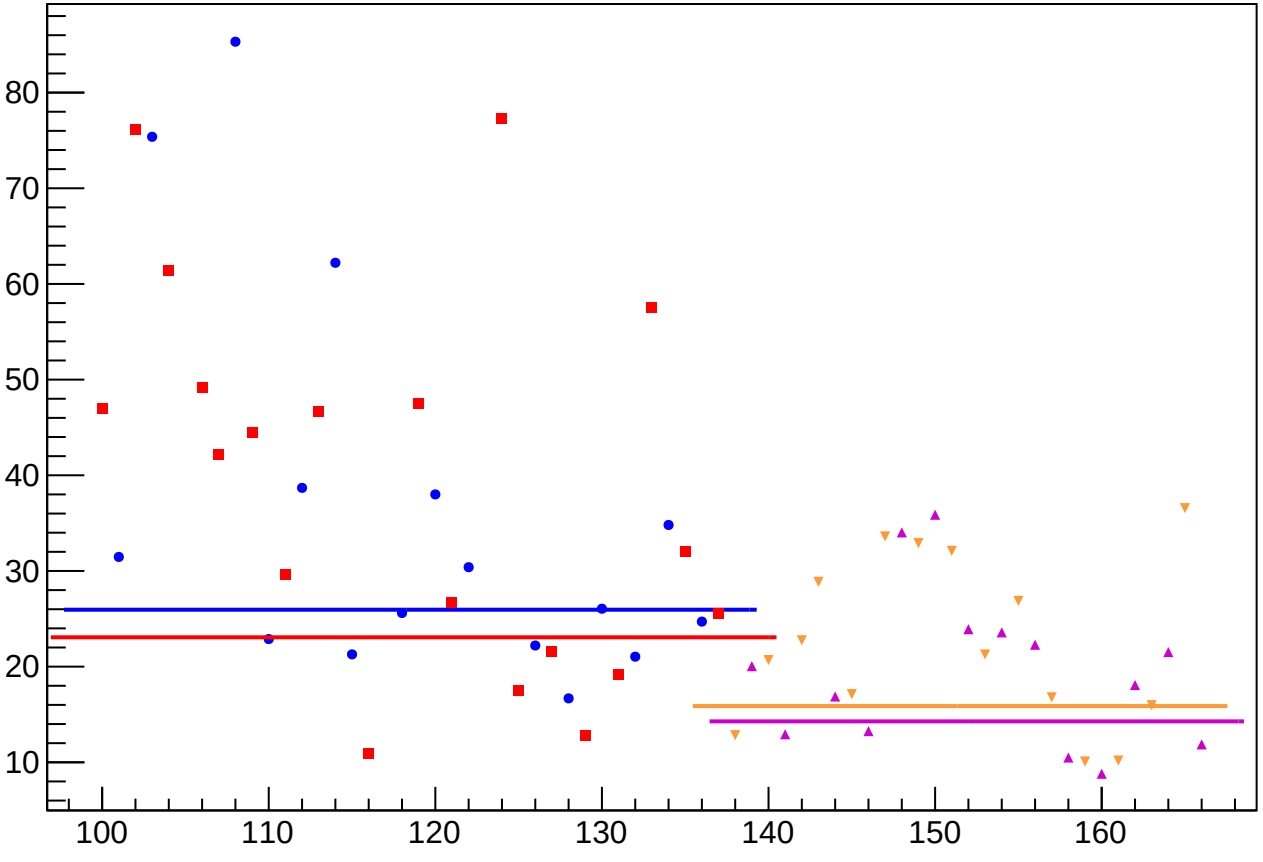
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:24.7/29

Out: 0.009+/-0.005 χ^2/NDF:59.2/33

All: 0.003+/-0.003 χ^2/NDF: 87.0/63

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285674.7/14

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.279+/-0.004 χ^2/NDF:2946017.8/13

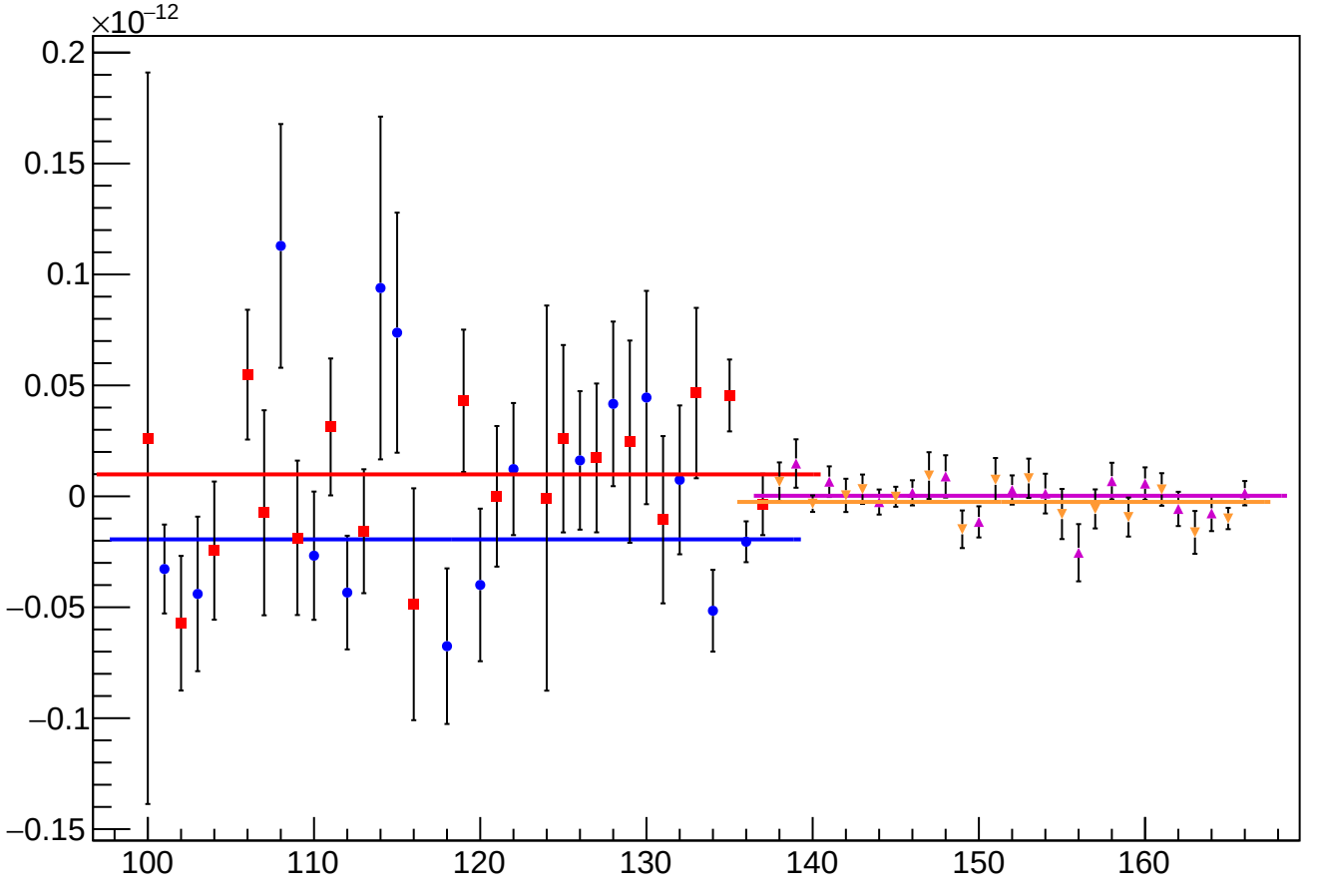
Left: 15.006+/-0.003 χ^2/NDF: 6324159.1/28

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.258+/-0.003 χ^2/NDF:6163637.2/29

Out: 17.422+/-0.003 χ^2/NDF:7381998.1/33

All: 16.804+/-0.002 χ^2/NDF: 13606326.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/13

Left: -0.000+/-0.000 χ^2/NDF: 28.8/28

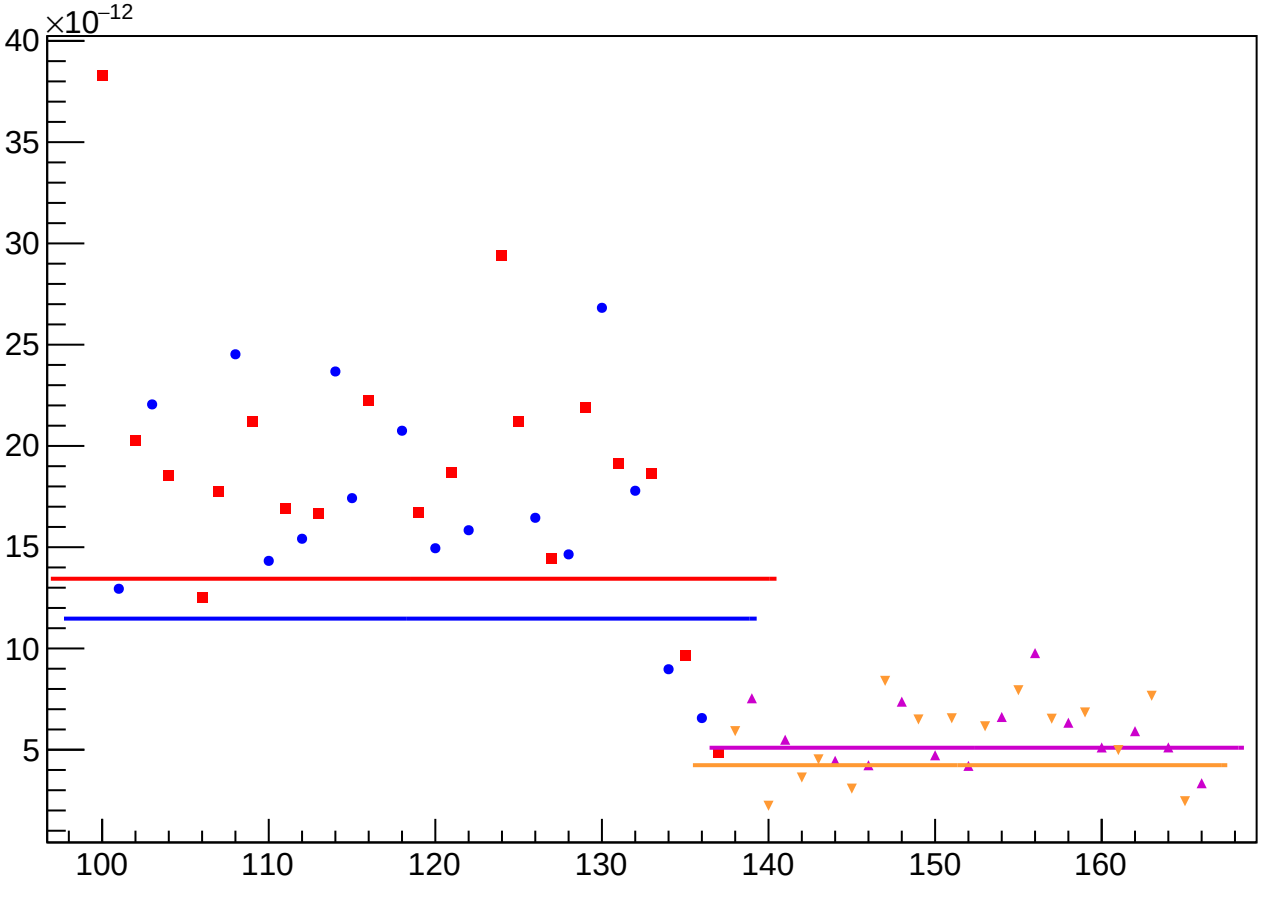
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:48.8/29

Out: -0.000+/-0.000 χ^2/NDF:37.6/33

All: -0.000+/-0.000 χ^2/NDF: 86.4/63

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2531468.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:927370.0/13

Left: 0.000+/-0.000 χ^2/NDF: 3675606.5/28

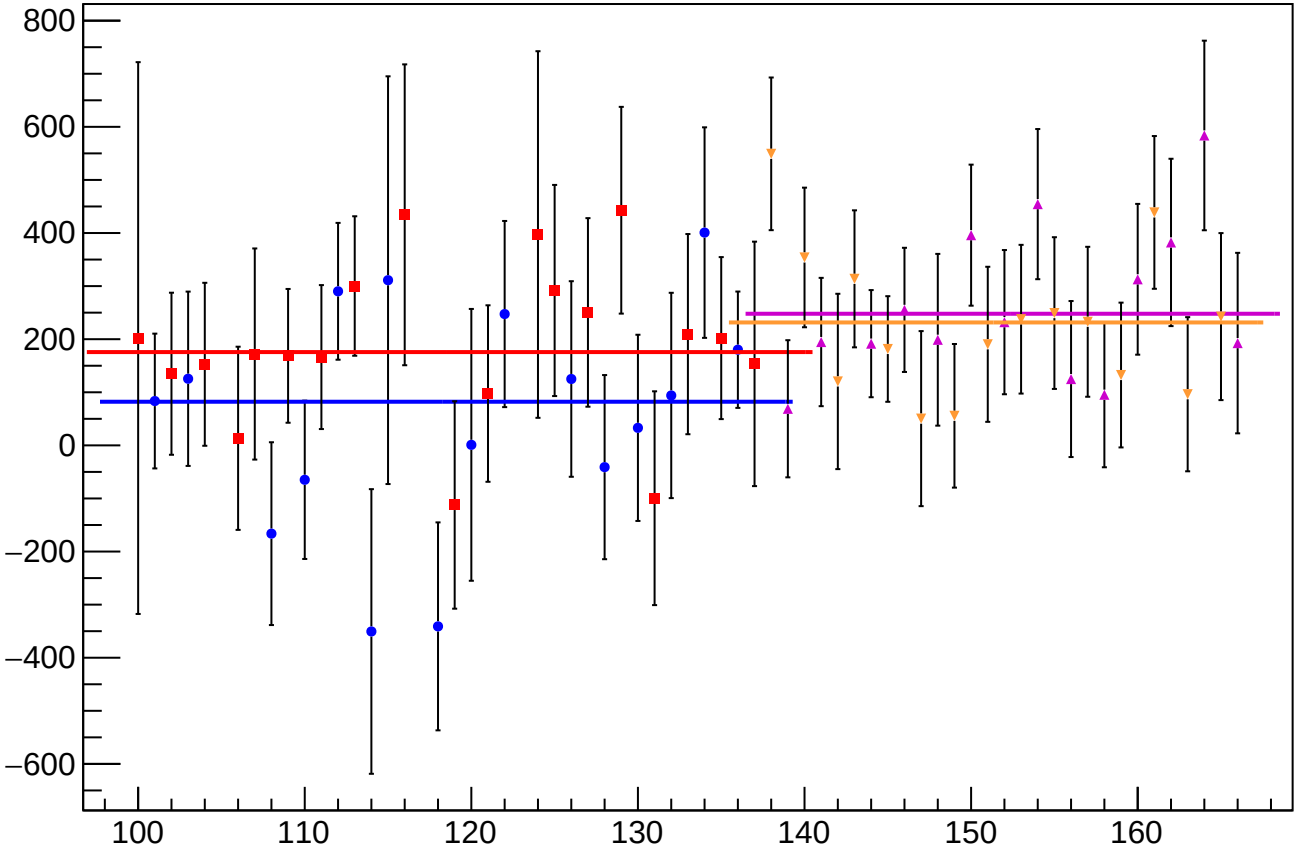
Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4549491.6/29

Out: 0.000+/-0.000 χ^2/NDF:7663993.3/33

All: 0.000+/-0.000 χ^2/NDF: 12464551.2/63

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.539+/-35.752 χ^2/NDF:13.3/14

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 247.927+/-36.407 χ^2/NDF:12.4/13

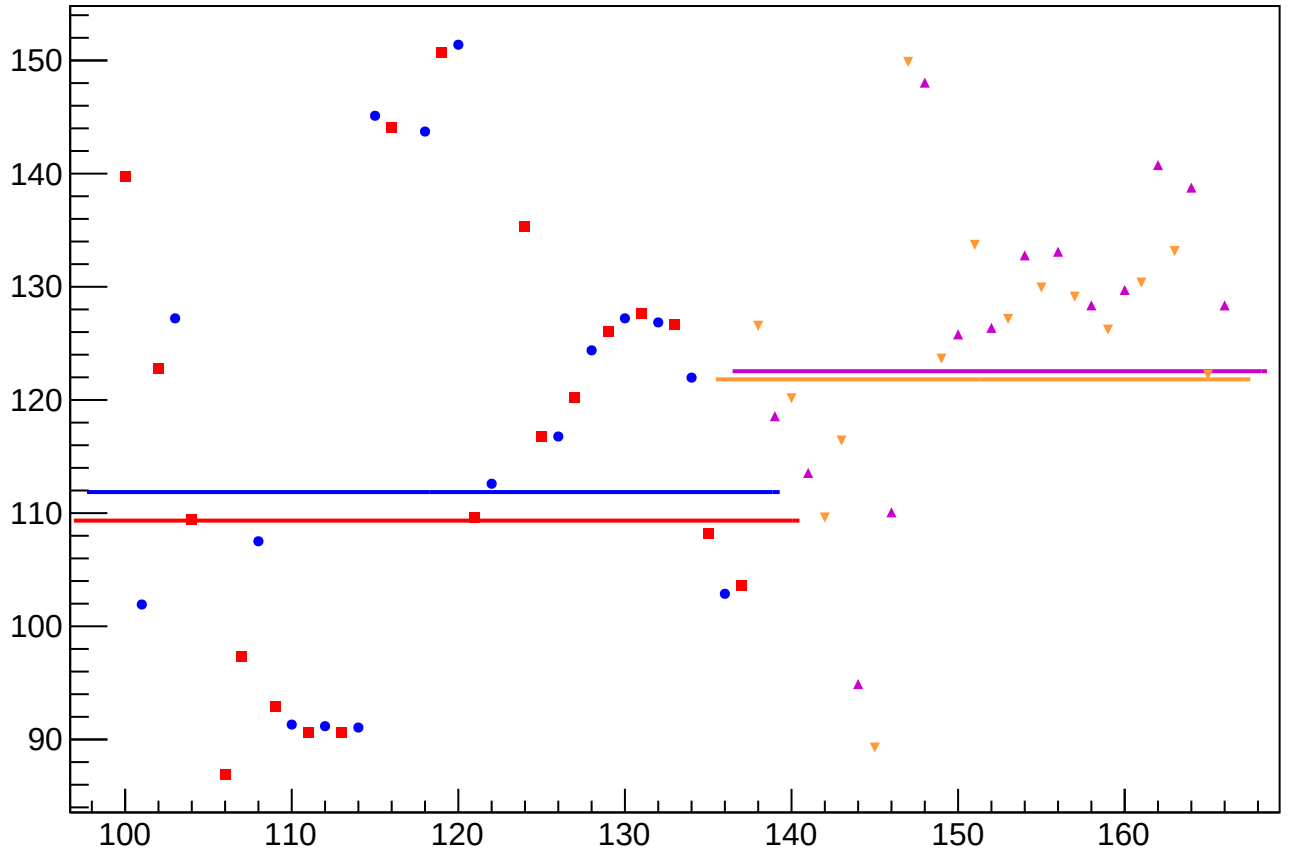
Left: 239.584+/-25.509 χ^2/NDF: 25.9/28

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 177.082+/-27.547 χ^2/NDF:39.7/29

Out: 207.214+/-26.852 χ^2/NDF:24.3/33

All: 192.532+/-19.228 χ^2/NDF: 64.5/63



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.3/13

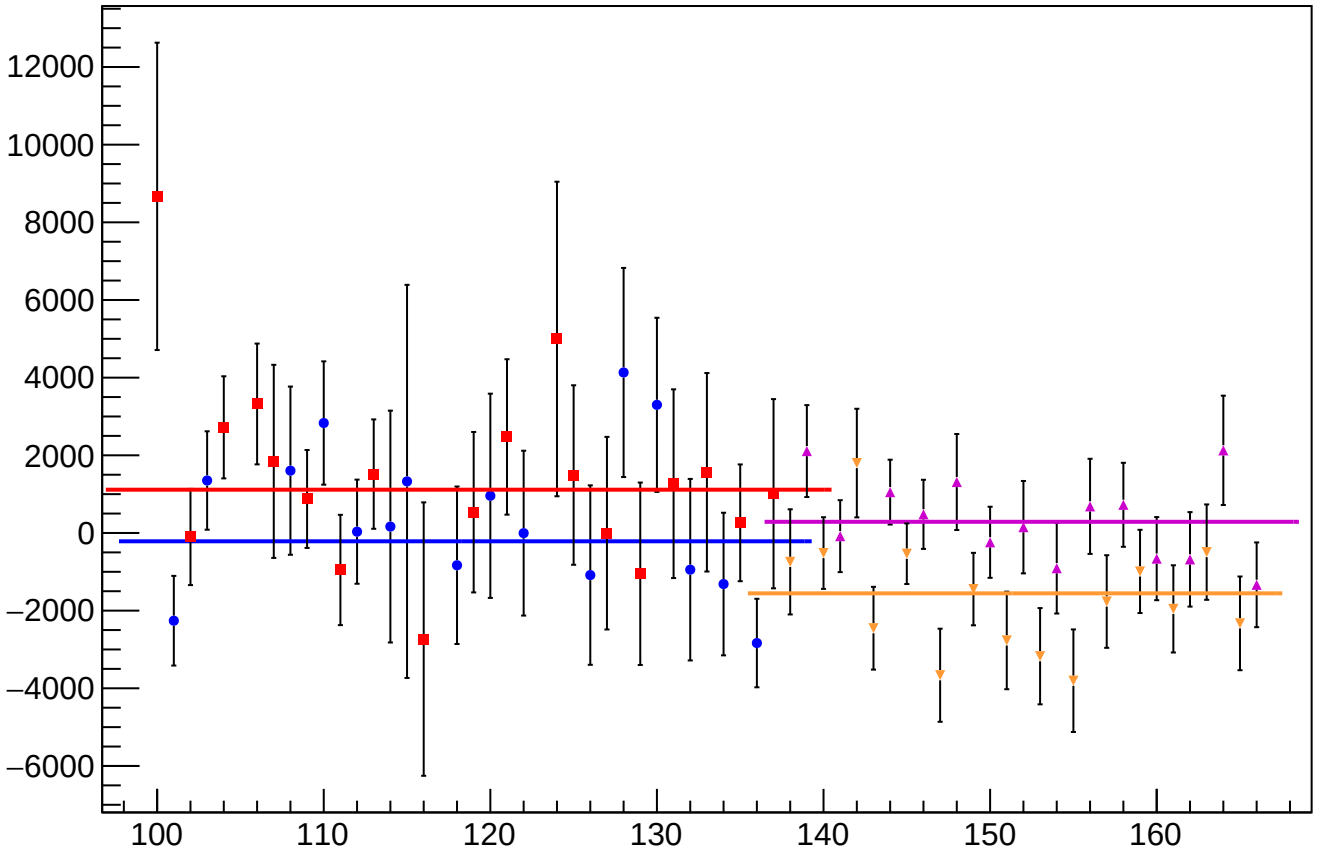
Left: 122.175+/-0.018 χ^2/NDF: 652216.7/28

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.976+/-0.019 χ^2/NDF:692922.9/29

Out: 116.381+/-0.019 χ^2/NDF:811939.6/33

All: 117.158+/-0.014 χ^2/NDF: 1508302.1/63



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1554.289+/-286.621 χ^2/NDF:20.0/14

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 287.558+/-285.370 χ^2/NDF:11.1/13

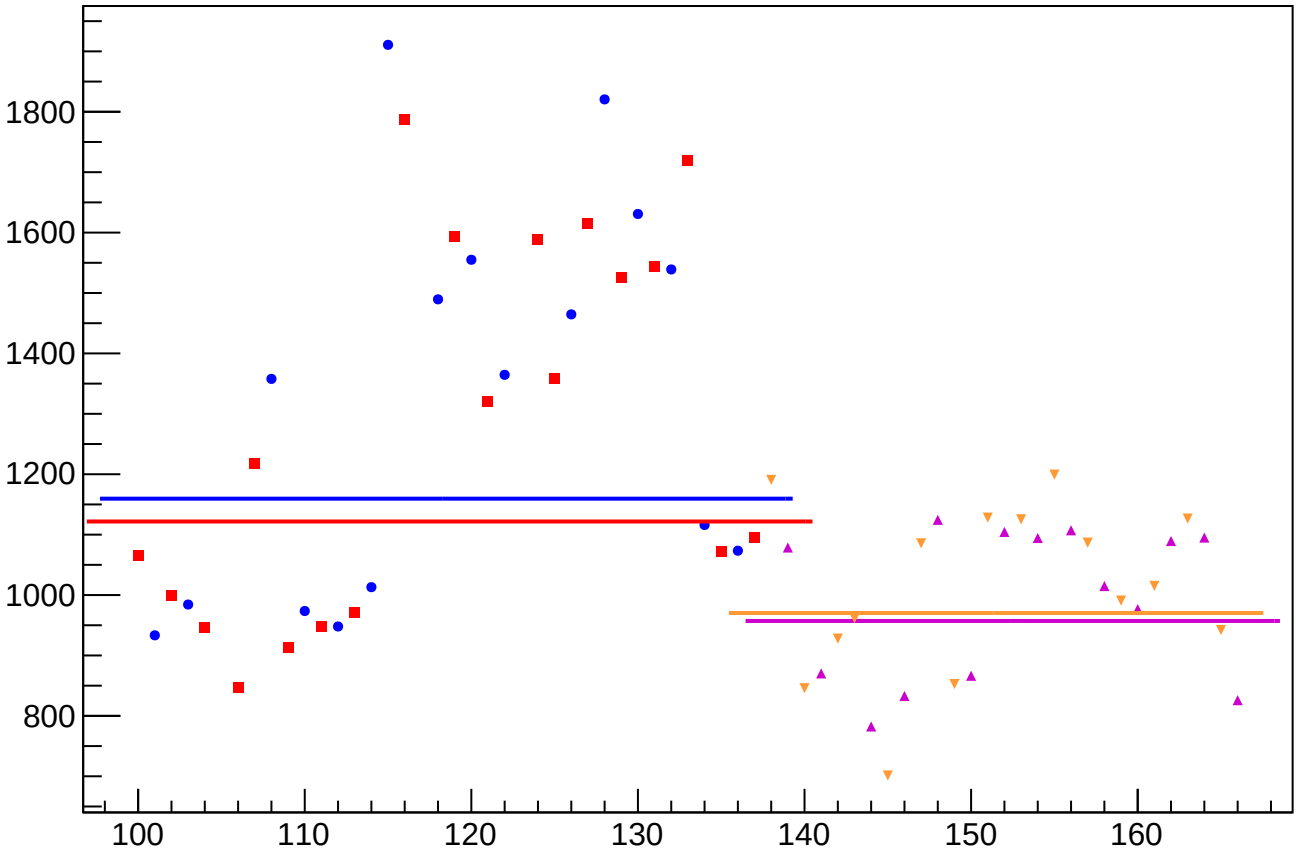
Left: -629.335+/-202.228 χ^2/NDF: 51.9/28

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 140.864+/-240.055 χ^2/NDF:32.4/29

Out: -714.570+/-237.287 χ^2/NDF:61.8/33

All: -291.814+/-168.757 χ^2/NDF: 100.7/63



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 970.306+/-0.203 χ^2/NDF:558705.0/14

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 957.098+/-0.202 χ^2/NDF:388039.4/13

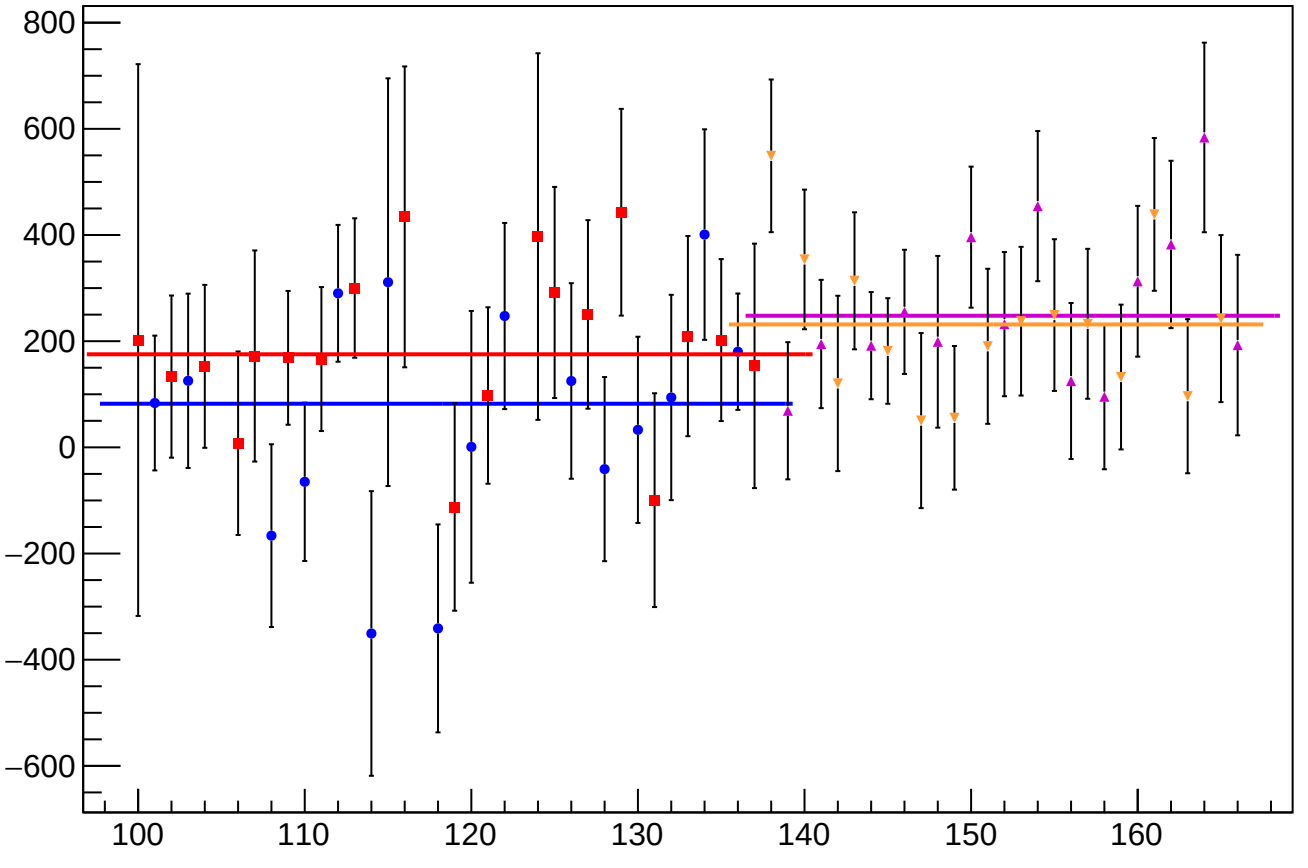
Left: 963.673+/-0.143 χ^2/NDF: 948877.3/28

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1016.294+/-0.170 χ^2/NDF:1366081.1/29

Out: 1017.954+/-0.168 χ^2/NDF:1516653.9/33

All: 1017.134+/-0.119 χ^2/NDF: 2882783.3/63



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.541+/-35.752 χ^2/NDF:13.3/14

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 247.928+/-36.407 χ^2/NDF:12.4/13

Left: 239.586+/-25.509 χ^2/NDF: 25.9/28

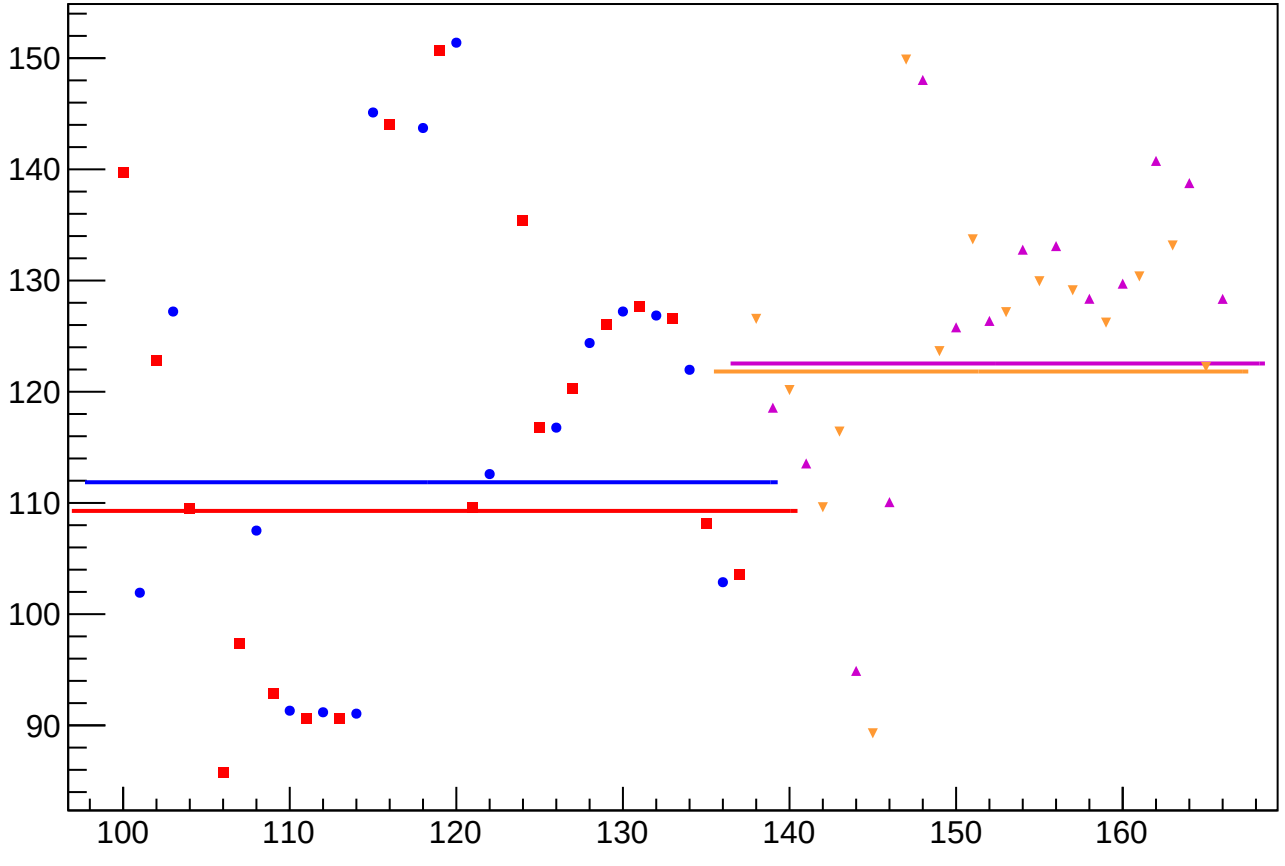
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 177.077+/-27.547 χ^2/NDF:39.7/29

Out: 207.048+/-26.854 χ^2/NDF:24.3/33

All: 192.444+/-19.229 χ^2/NDF: 64.6/63

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.4/13

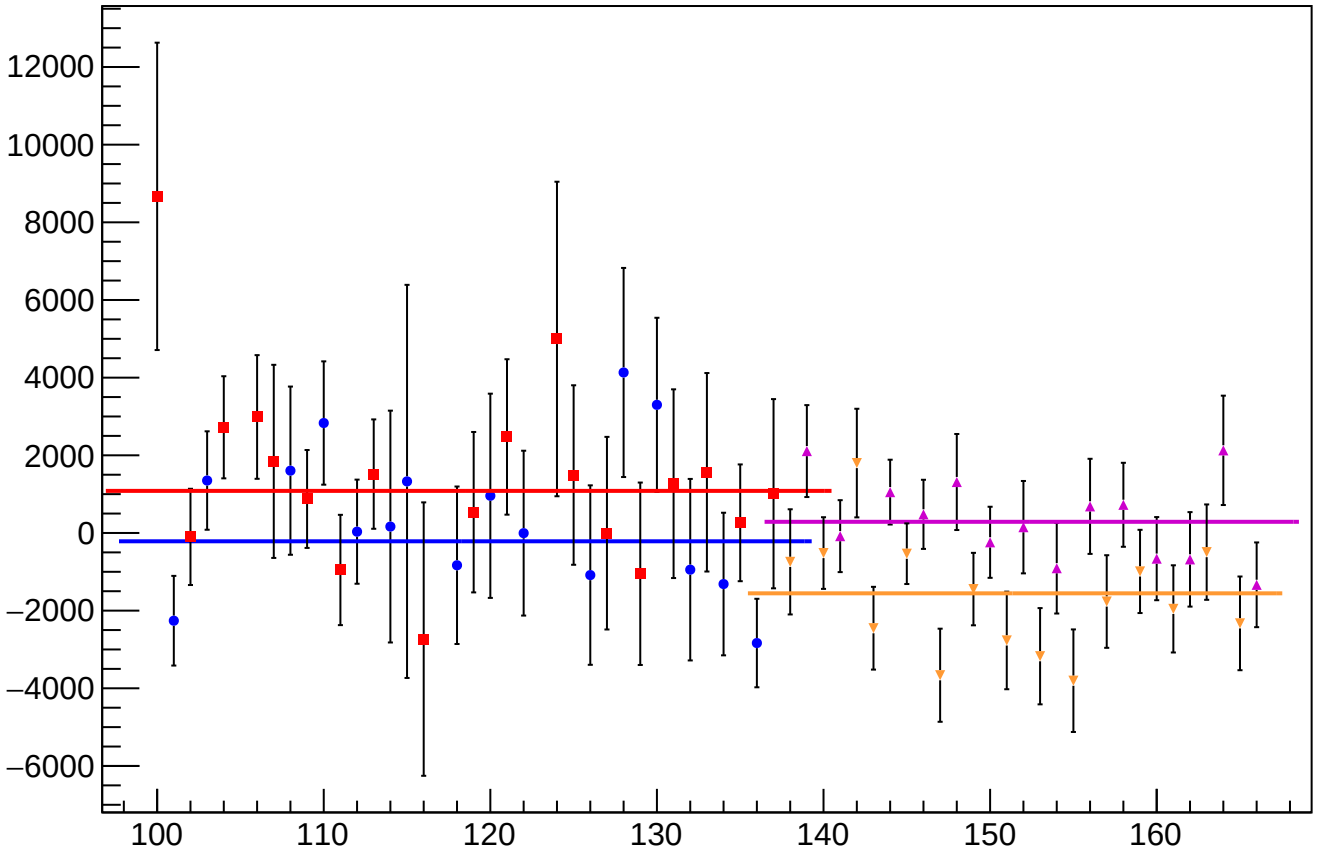
Left: 122.175+/-0.018 χ^2/NDF: 652216.7/28

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.976+/-0.019 χ^2/NDF:692923.7/29

Out: 116.357+/-0.019 χ^2/NDF:816372.4/33

All: 117.146+/-0.014 χ^2/NDF: 1512838.3/63



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 287.564+/-285.370 χ^2/NDF:11.1/13

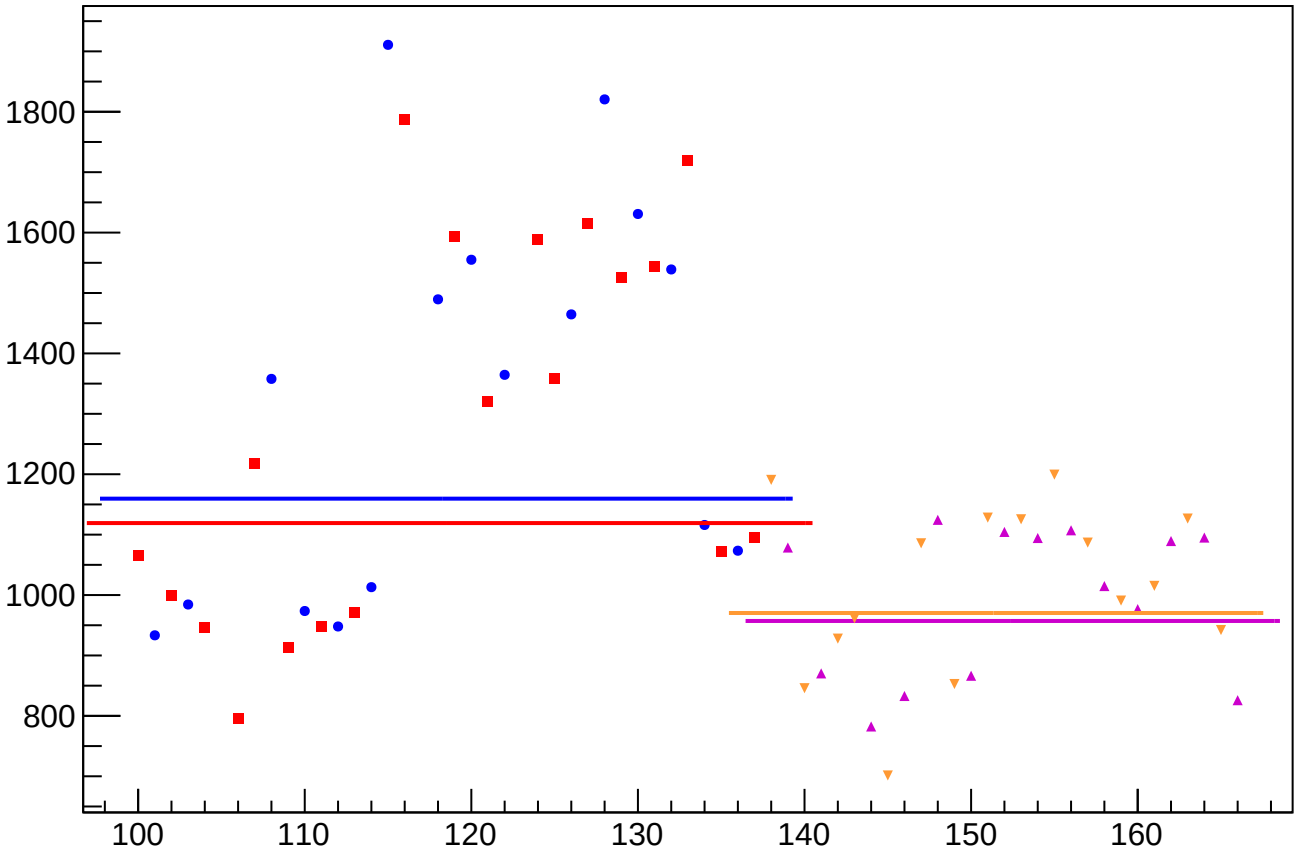
Left: -629.331+/-202.228 χ^2/NDF: 51.9/28

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 140.843+/-240.056 χ^2/NDF:32.4/29

Out: -726.220+/-237.417 χ^2/NDF:60.5/33

All: -297.481+/-168.804 χ^2/NDF: 99.6/63



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 957.098+/-0.202 χ^2/NDF:388037.3/13

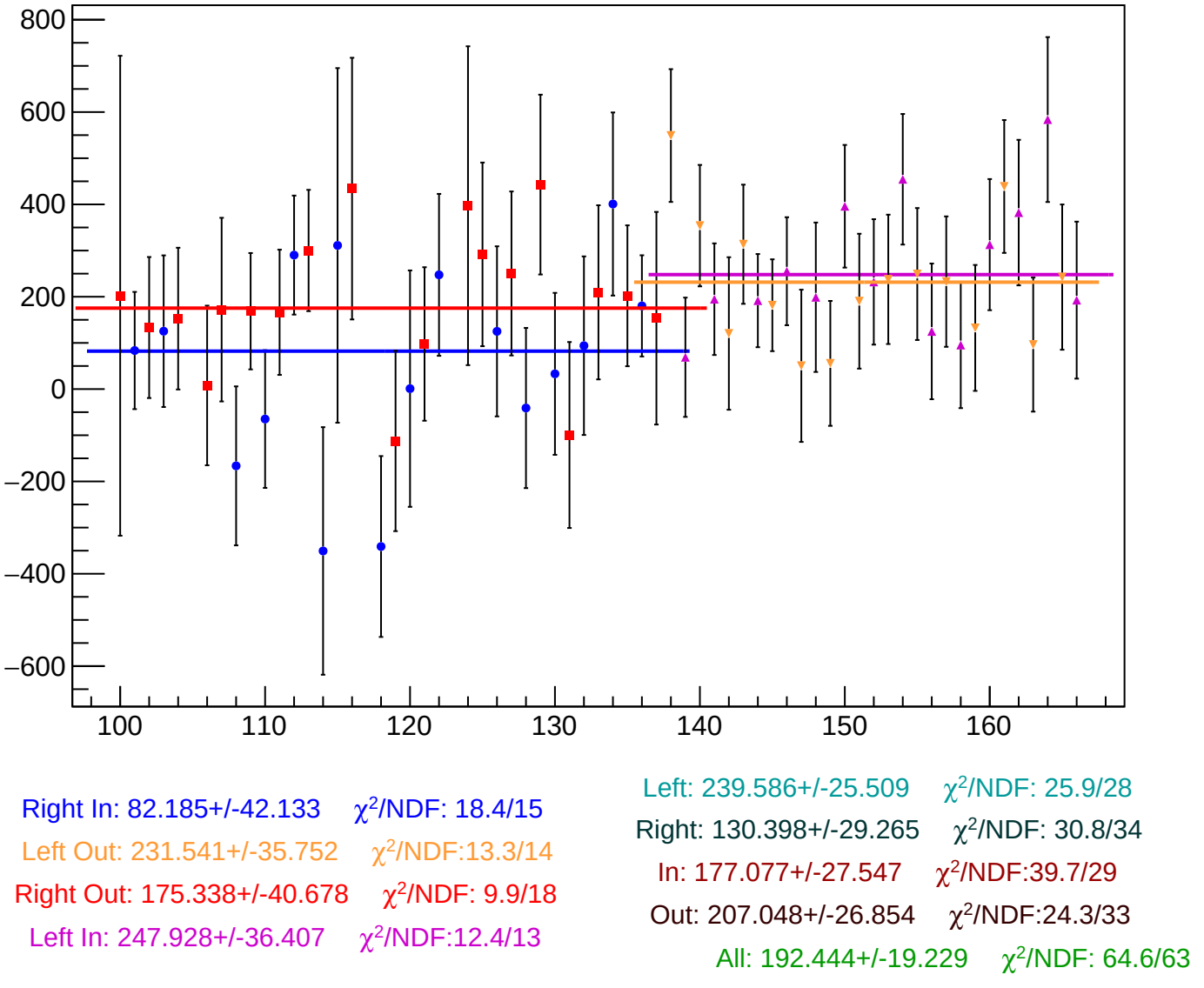
Left: 963.673+/-0.143 χ^2/NDF: 948876.7/28

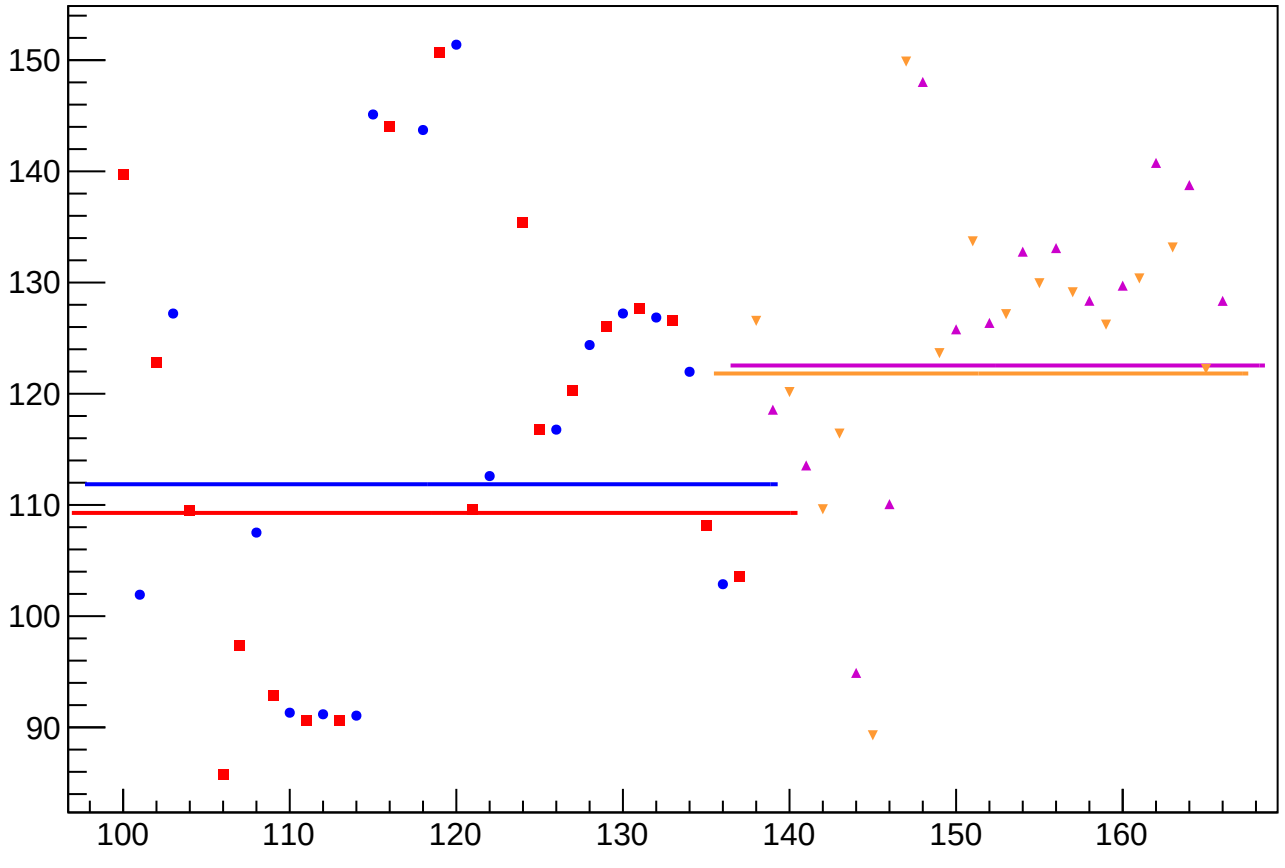
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1016.296+/-0.170 χ^2/NDF:1366071.8/29

Out: 1017.026+/-0.168 χ^2/NDF:1531162.0/33

All: 1016.665+/-0.119 χ^2/NDF: 2897243.2/63


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 231.541+/-35.752 χ²/NDF:13.3/14
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 247.928+/-36.407 χ²/NDF:12.4/13
Left: 239.586+/-25.509 χ²/NDF: 25.9/28
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 177.077+/-27.547 χ²/NDF:39.7/29
Out: 207.048+/-26.854 χ²/NDF:24.3/33
All: 192.444+/-19.229 χ²/NDF: 64.6/63



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.541+/-0.026 χ^2/NDF:313334.4/13

Left: 122.175+/-0.018 χ^2/NDF: 652216.7/28

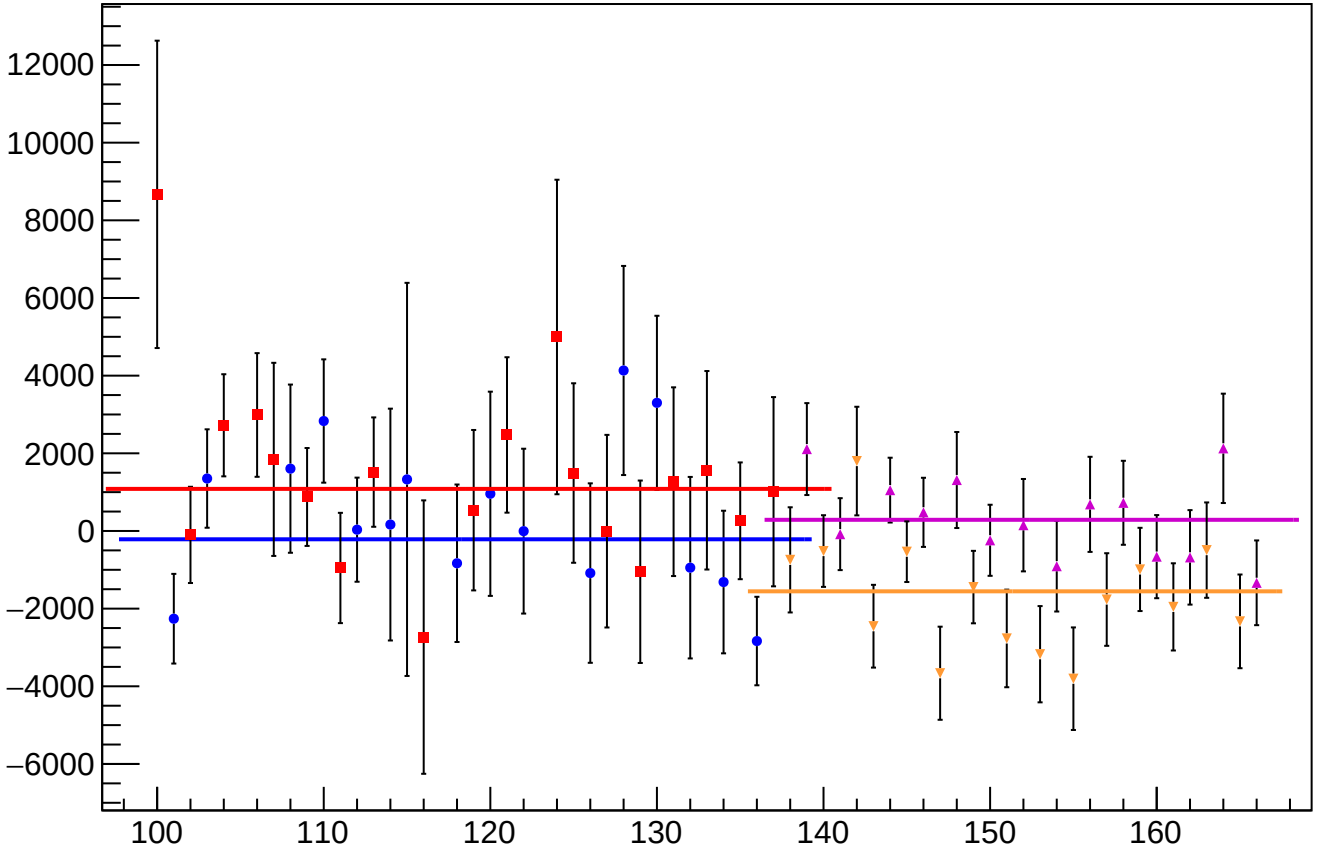
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.976+/-0.019 χ^2/NDF:692923.7/29

Out: 116.357+/-0.019 χ^2/NDF:816372.4/33

All: 117.146+/-0.014 χ^2/NDF: 1512838.3/63

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 287.564+/-285.370 χ^2/NDF:11.1/13

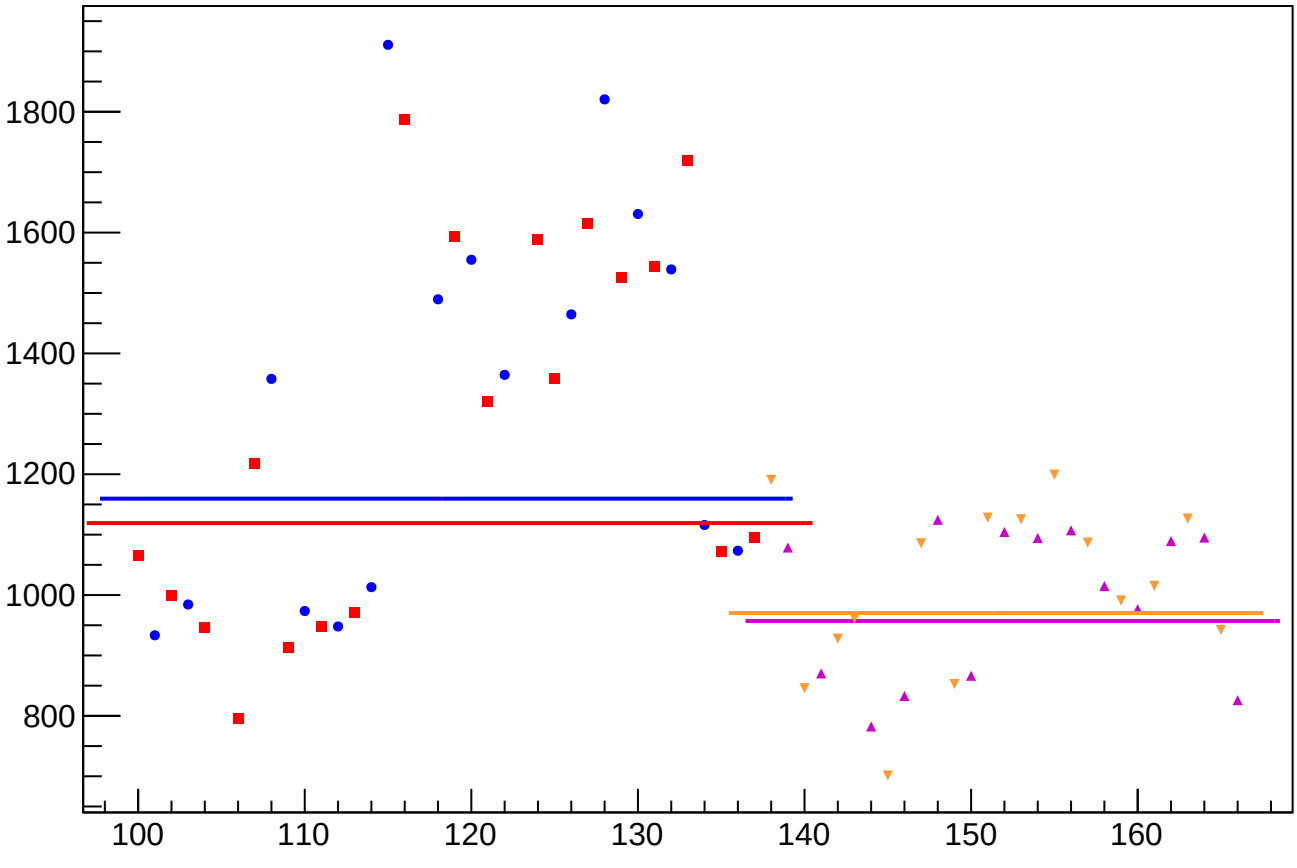
Left: -629.331+/-202.228 χ^2/NDF: 51.9/28

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 140.843+/-240.056 χ^2/NDF:32.4/29

Out: -726.220+/-237.417 χ^2/NDF:60.5/33

All: -297.481+/-168.804 χ^2/NDF: 99.6/63



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 957.098+/-0.202 χ^2/NDF:388037.3/13

Left: 963.673+/-0.143 χ^2/NDF: 948876.7/28

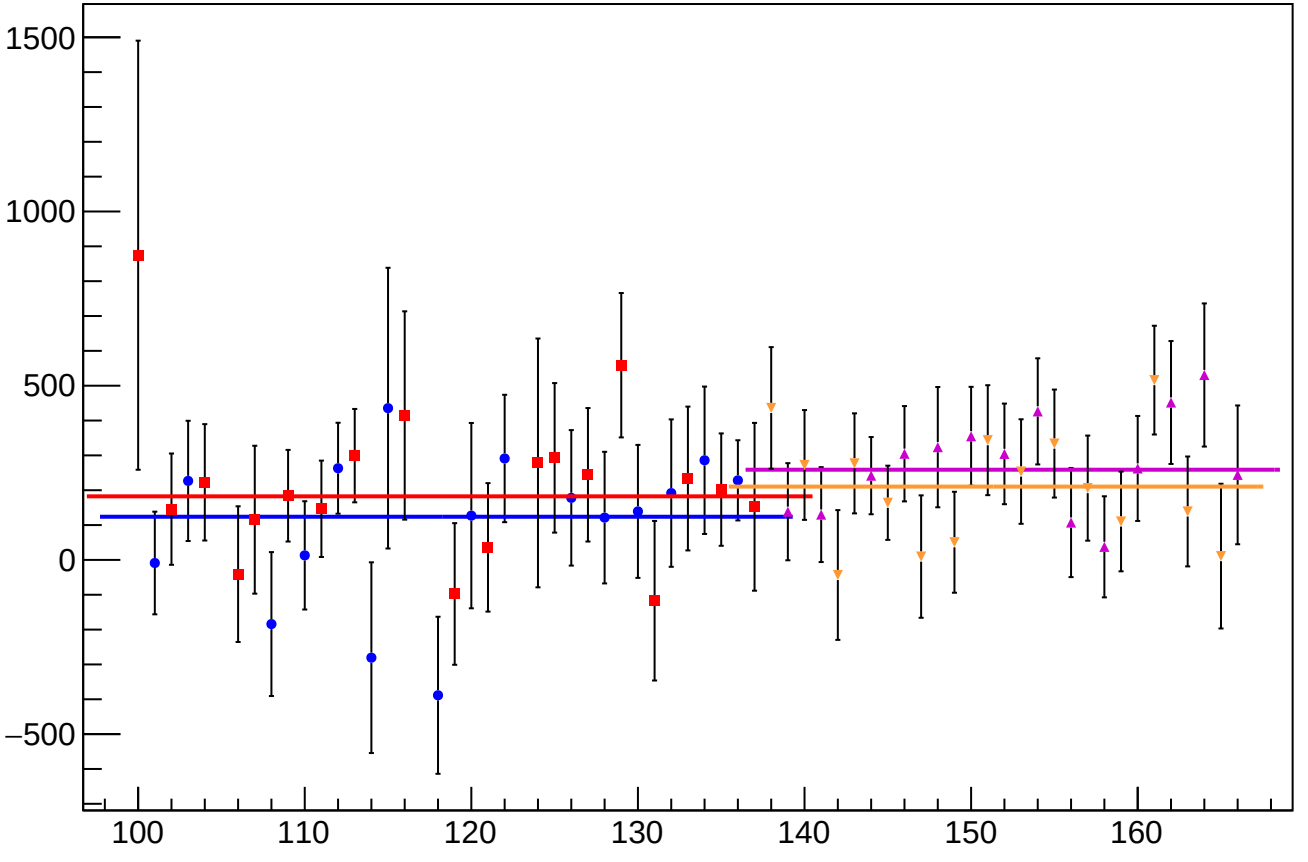
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1016.296+/-0.170 χ^2/NDF:1366071.8/29

Out: 1017.026+/-0.168 χ^2/NDF:1531162.0/33

All: 1016.665+/-0.119 χ^2/NDF: 2897243.2/63

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.416+/-39.461 χ^2/NDF:13.5/14

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 258.863+/-39.907 χ^2/NDF:9.9/13

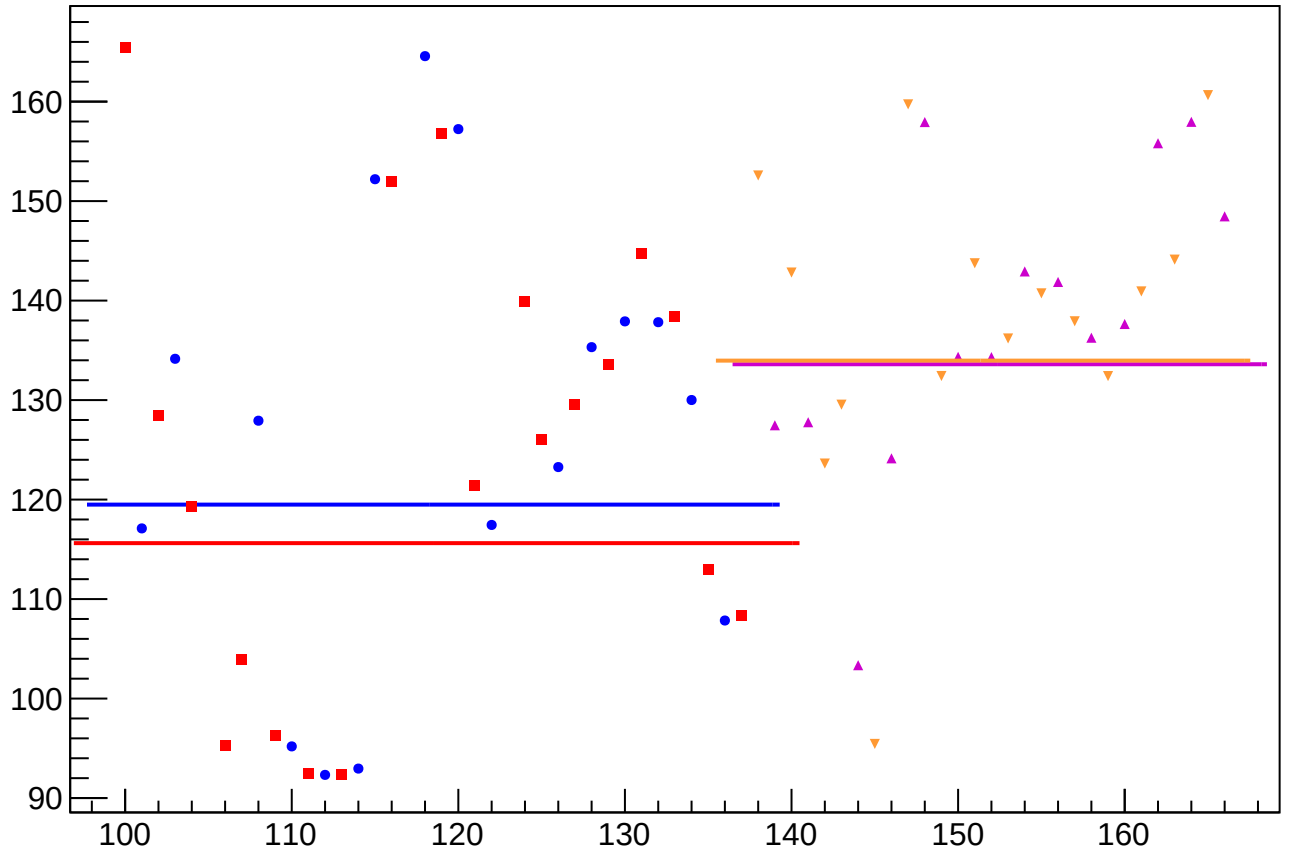
Left: 234.368+/-28.059 χ^2/NDF: 24.1/28

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 199.796+/-29.927 χ^2/NDF:30.3/29

Out: 197.711+/-29.143 χ^2/NDF:26.0/33

All: 198.726+/-20.879 χ^2/NDF: 56.4/63



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.967+/-0.028 χ^2/NDF:401026.6/14

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.603+/-0.028 χ^2/NDF:292224.0/13

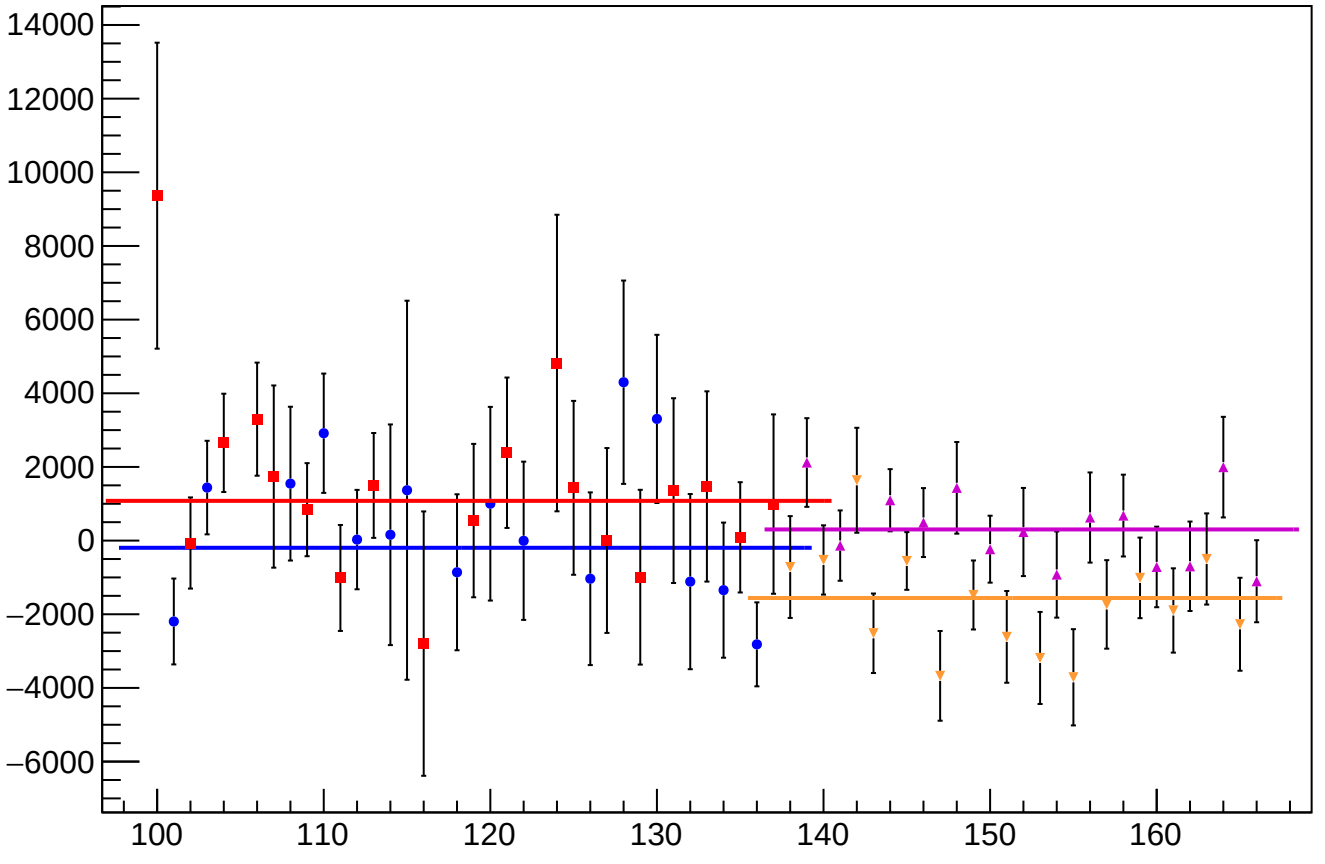
Left: 133.787+/-0.020 χ^2/NDF: 693334.8/28

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.429+/-0.021 χ^2/NDF:781868.0/29

Out: 125.627+/-0.021 χ^2/NDF:1024477.6/33

All: 126.504+/-0.015 χ^2/NDF: 1810064.2/63



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1558.161+/-289.995 χ^2/NDF:18.6/14

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 303.022+/-289.263 χ^2/NDF:10.5/13

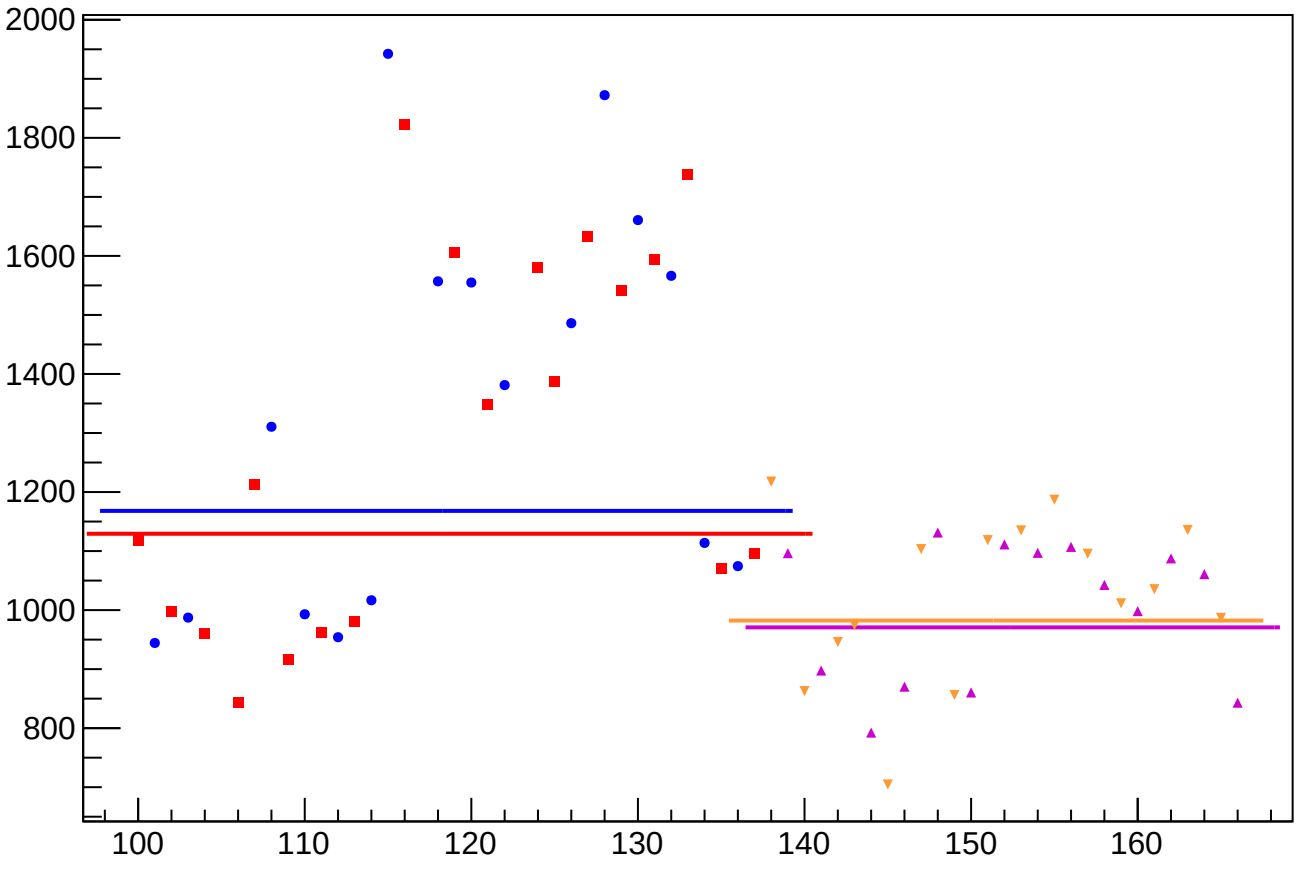
Left: -625.216+/-204.798 χ^2/NDF: 49.8/28

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 156.154+/-242.903 χ^2/NDF:31.8/29

Out: -722.812+/-239.713 χ^2/NDF:59.4/33

All: -289.138+/-170.619 χ^2/NDF: 97.8/63



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.307+/-0.205 χ^2/NDF:556263.8/14

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 970.722+/-0.205 χ^2/NDF:347403.1/13

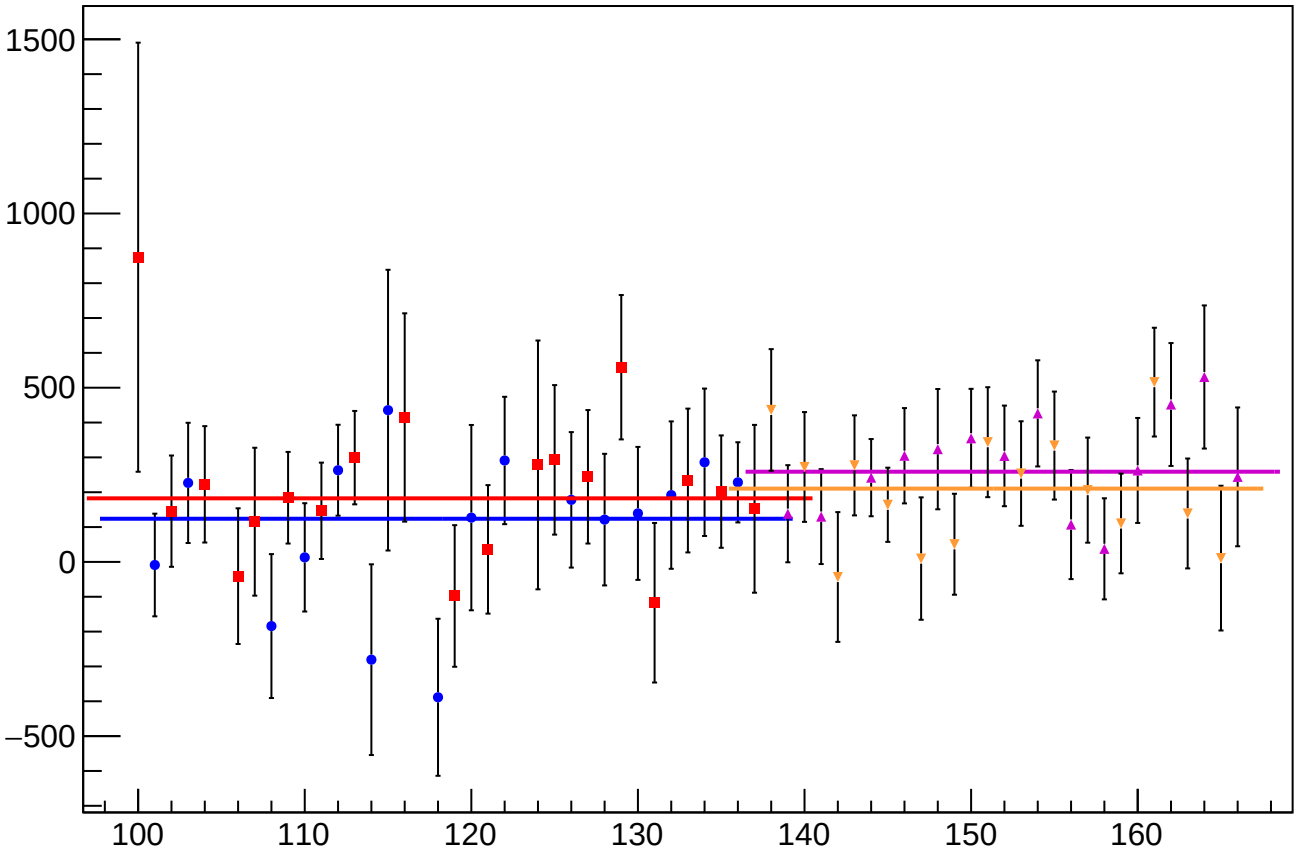
Left: 976.500+/-0.145 χ^2/NDF: 905267.0/28

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1028.908+/-0.172 χ^2/NDF:1331229.5/29

Out: 1028.867+/-0.170 χ^2/NDF:1526268.1/33

All: 1028.887+/-0.121 χ^2/NDF: 2857497.7/63



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.418+/-39.461 χ^2/NDF:13.5/14

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 258.864+/-39.907 χ^2/NDF:9.9/13

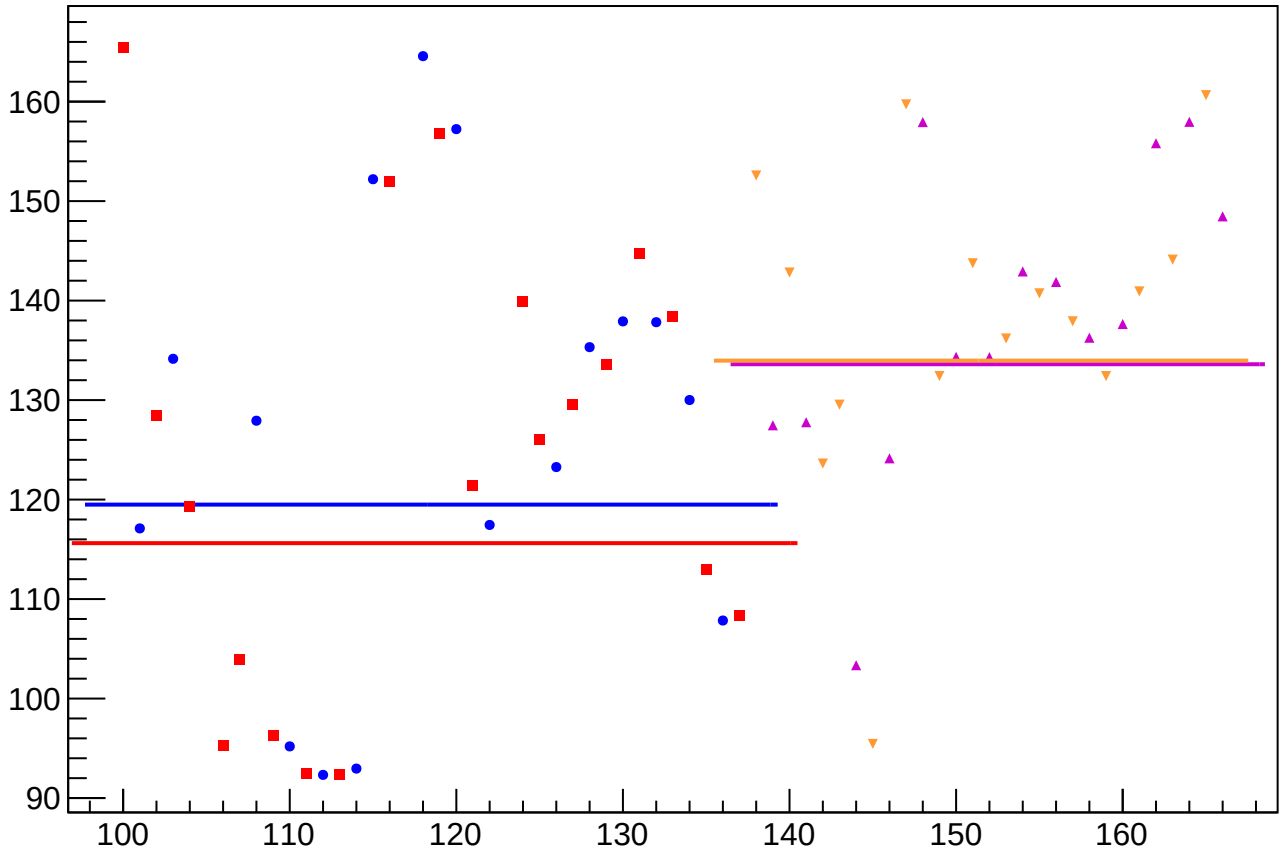
Left: 234.369+/-28.059 χ^2/NDF: 24.1/28

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 199.798+/-29.927 χ^2/NDF:30.3/29

Out: 197.712+/-29.143 χ^2/NDF:26.0/33

All: 198.727+/-20.879 χ^2/NDF: 56.4/63



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.967+/-0.028 χ^2/NDF:401027.0/14

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 133.603+/-0.028 χ^2/NDF:292222.8/13

Left: 133.787+/-0.020 χ^2/NDF: 693333.9/28

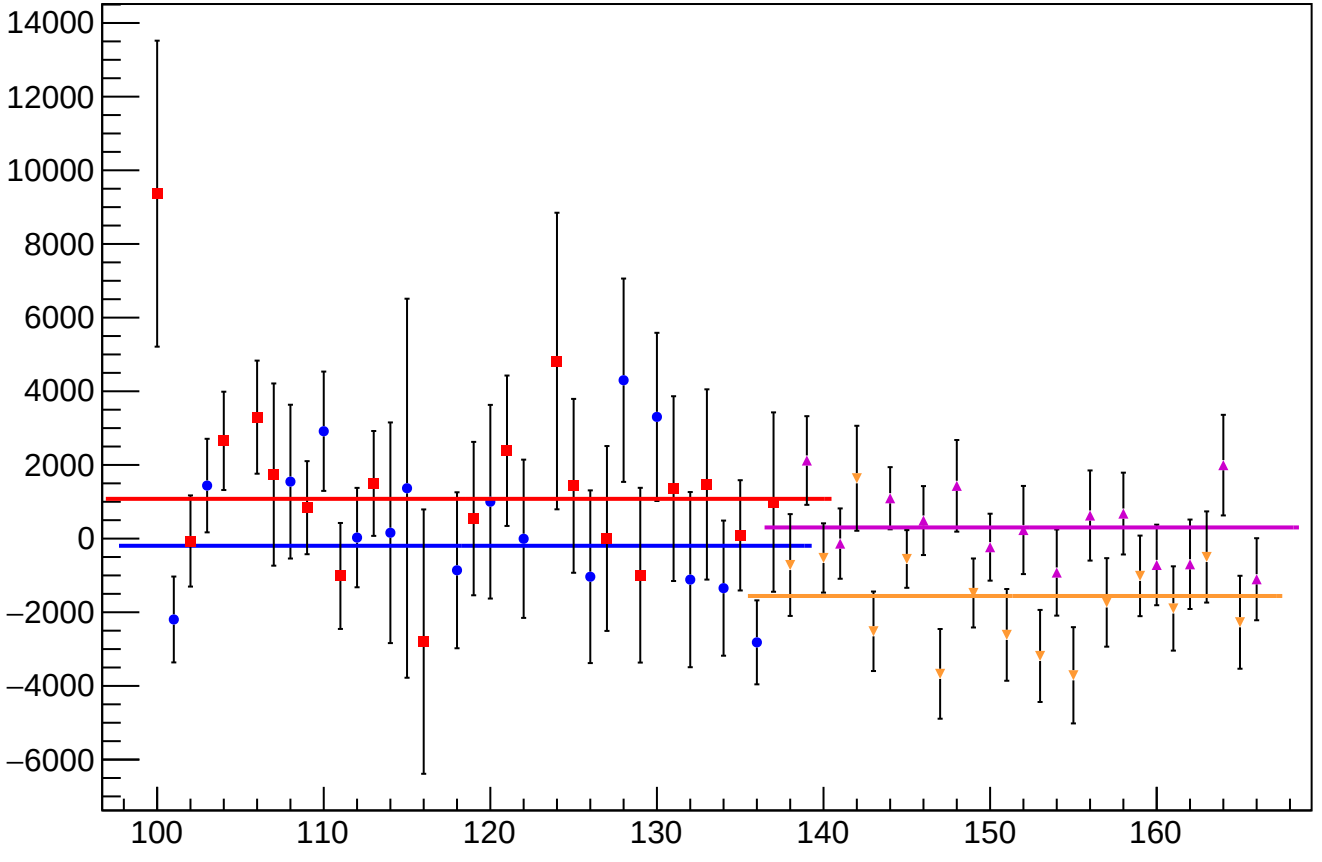
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.429+/-0.021 χ^2/NDF:781871.2/29

Out: 125.627+/-0.021 χ^2/NDF:1024485.5/33

All: 126.504+/-0.015 χ^2/NDF: 1810075.5/63

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1558.159+/-289.995 χ^2/NDF:18.6/14

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 303.021+/-289.263 χ^2/NDF:10.5/13

Left: -625.216+/-204.798 χ^2/NDF: 49.8/28

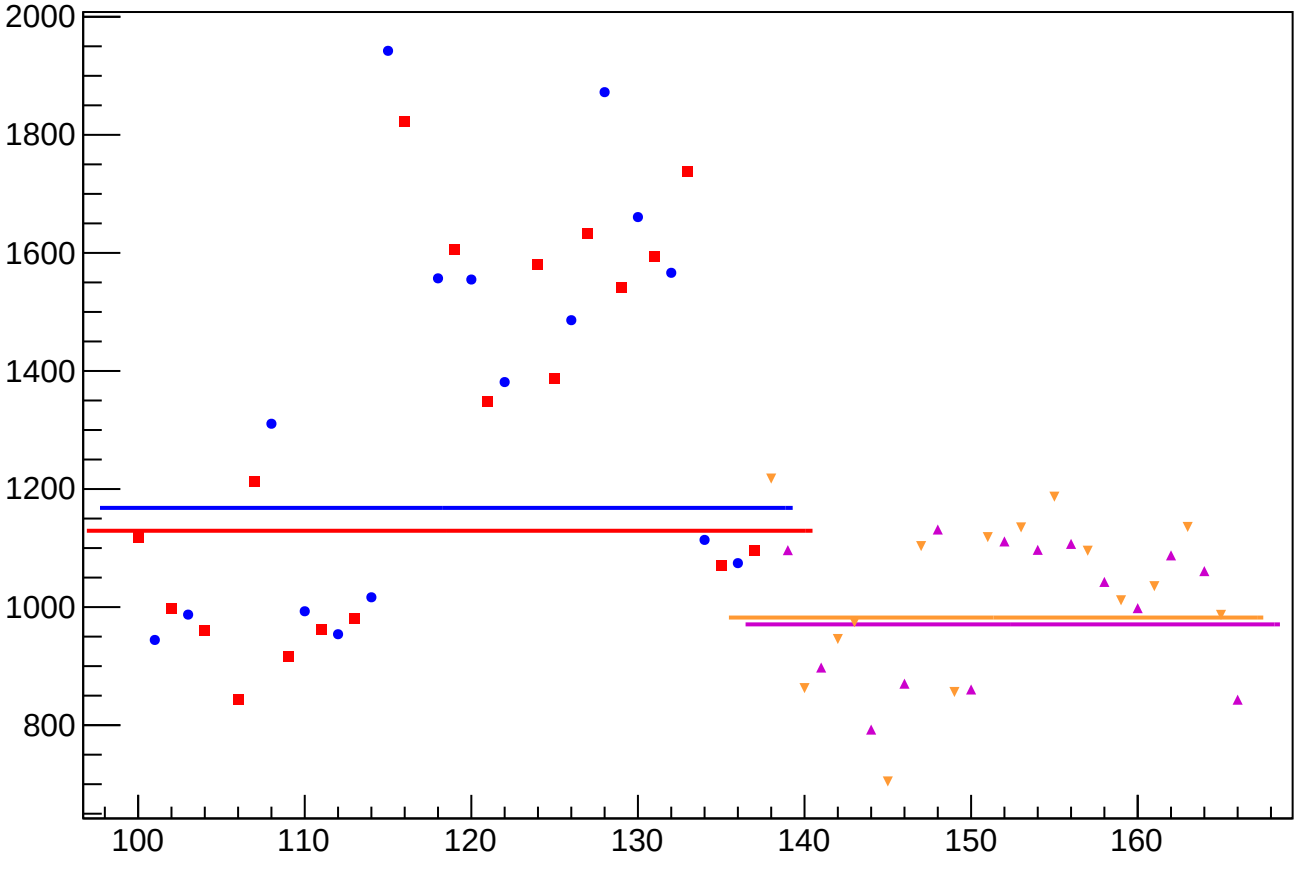
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 156.154+/-242.903 χ^2/NDF:31.8/29

Out: -722.810+/-239.713 χ^2/NDF:59.4/33

All: -289.137+/-170.619 χ^2/NDF: 97.8/63

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 982.306+/-0.205 χ^2/NDF:556267.3/14

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 970.721+/-0.205 χ^2/NDF:347402.6/13

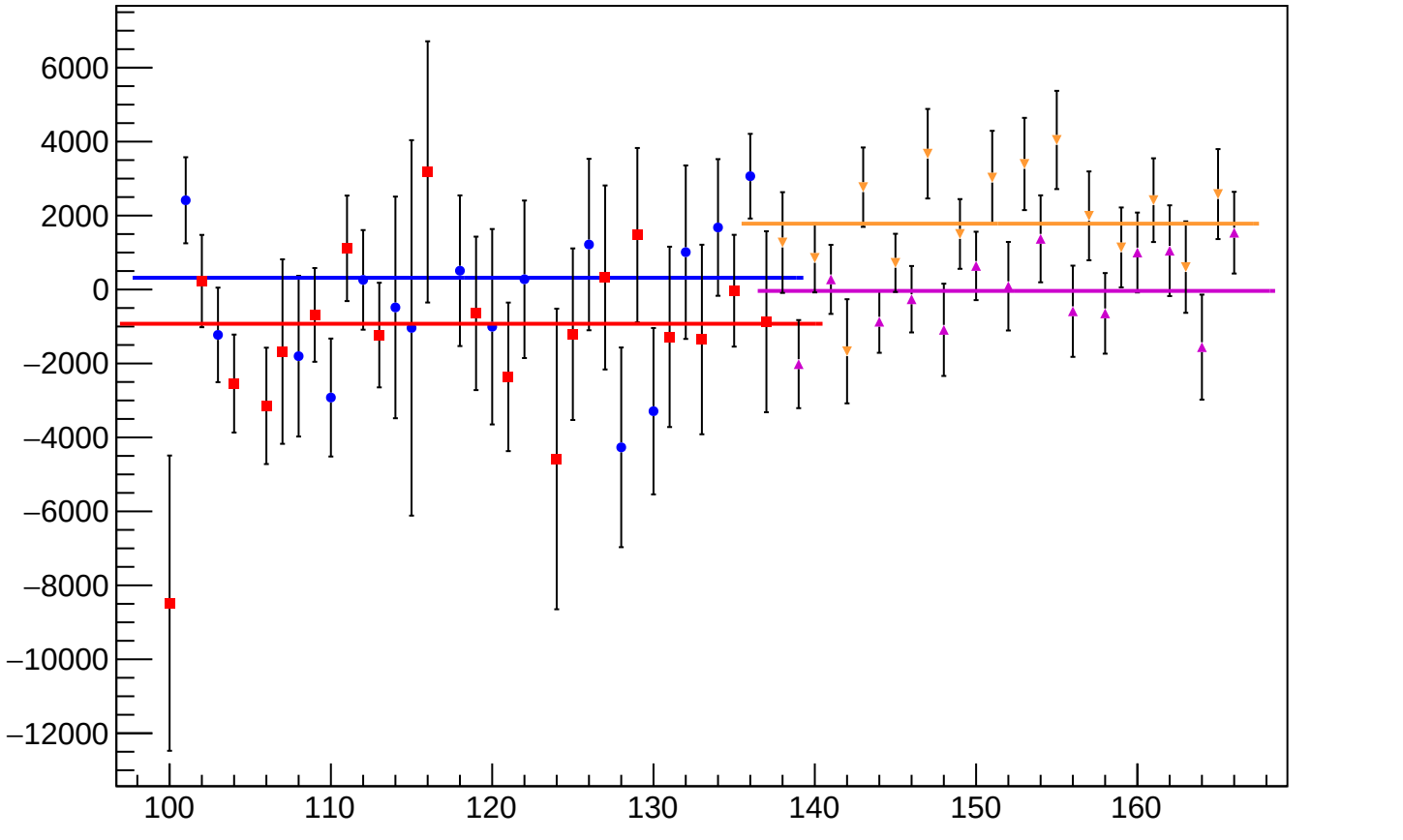
Left: 976.499+/-0.145 χ^2/NDF: 905270.0/28

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1028.907+/-0.172 χ^2/NDF:1331231.9/29

Out: 1028.866+/-0.170 χ^2/NDF:1526273.9/33

All: 1028.887+/-0.121 χ^2/NDF: 2857505.9/63



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1781.113+/-288.958 χ^2/NDF:19.9/14

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -37.286+/-287.806 χ^2/NDF:12.0/13

Left: 868.280+/-203.916 χ^2/NDF: 51.8/28

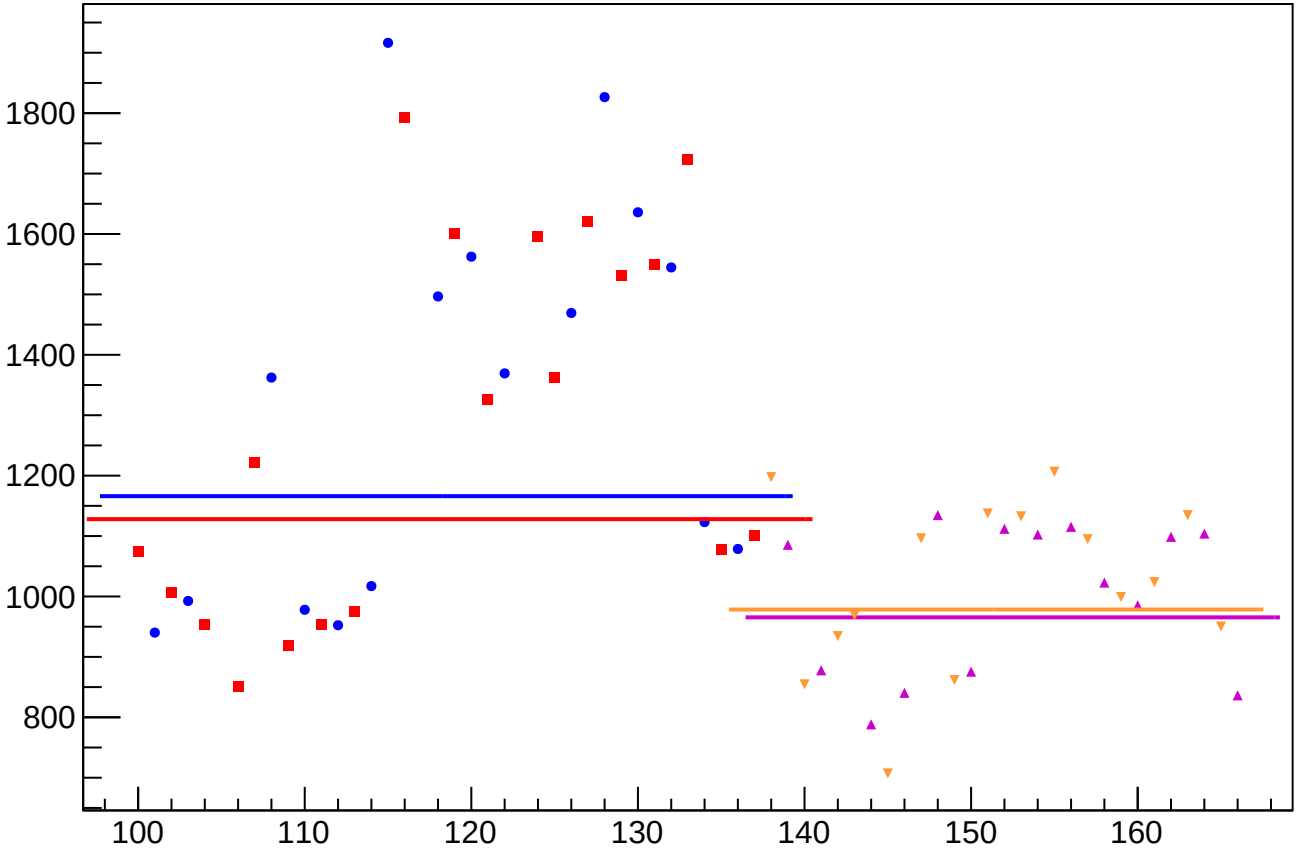
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 66.867+/-241.881 χ^2/NDF:34.6/29

Out: 926.415+/-239.030 χ^2/NDF:62.1/33

All: 501.736+/-170.019 χ^2/NDF: 103.2/63

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 978.397+/-0.204 χ^2/NDF:553447.0/14

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 965.420+/-0.204 χ^2/NDF:384013.3/13

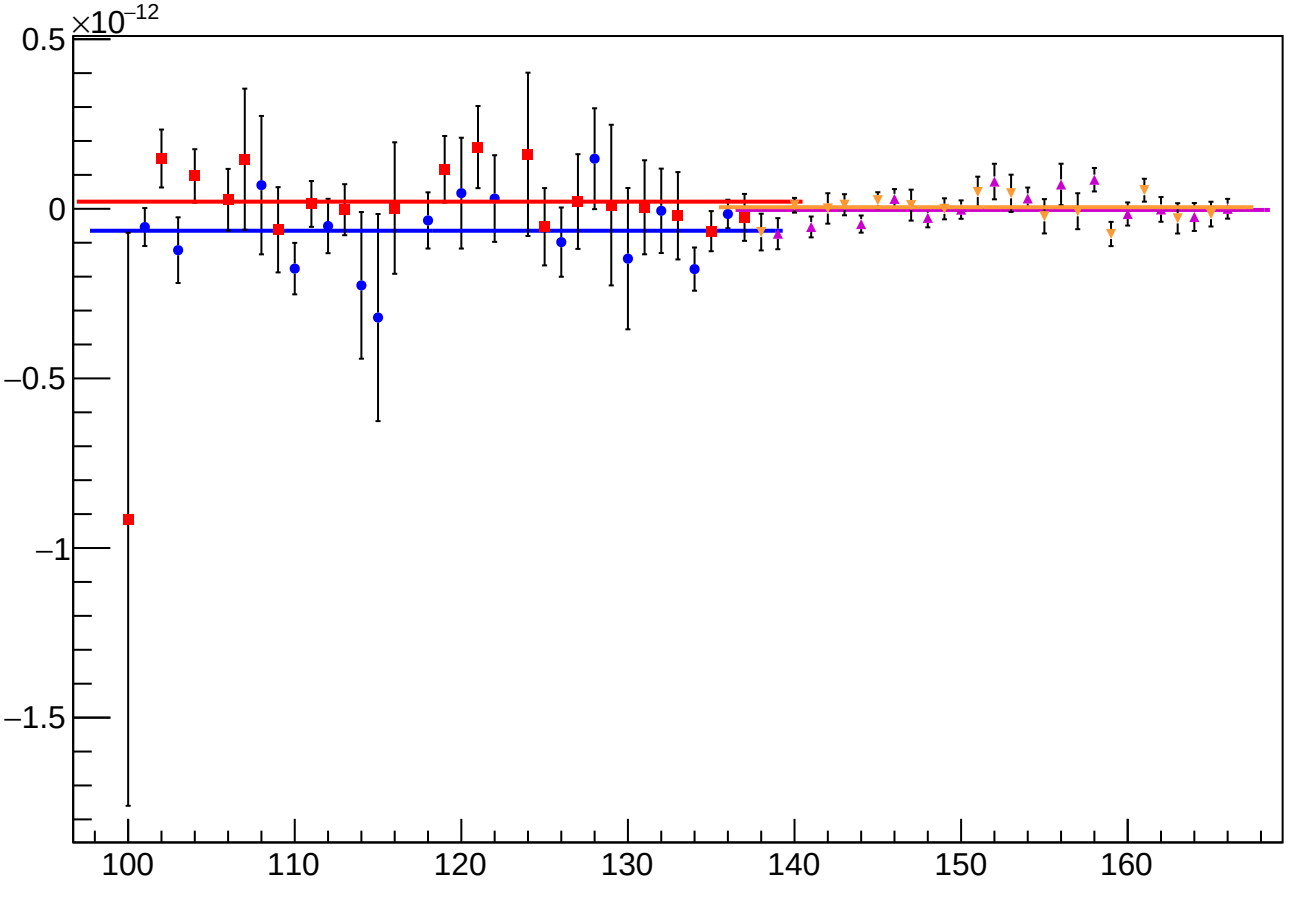
Left: 971.883+/-0.144 χ^2/NDF: 939485.2/28

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1024.343+/-0.171 χ^2/NDF:1346518.8/29

Out: 1025.632+/-0.169 χ^2/NDF:1498482.4/33

All: 1024.995+/-0.120 χ^2/NDF: 2845030.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/13

Left: 0.000+/-0.000 χ^2/NDF: 34.9/28

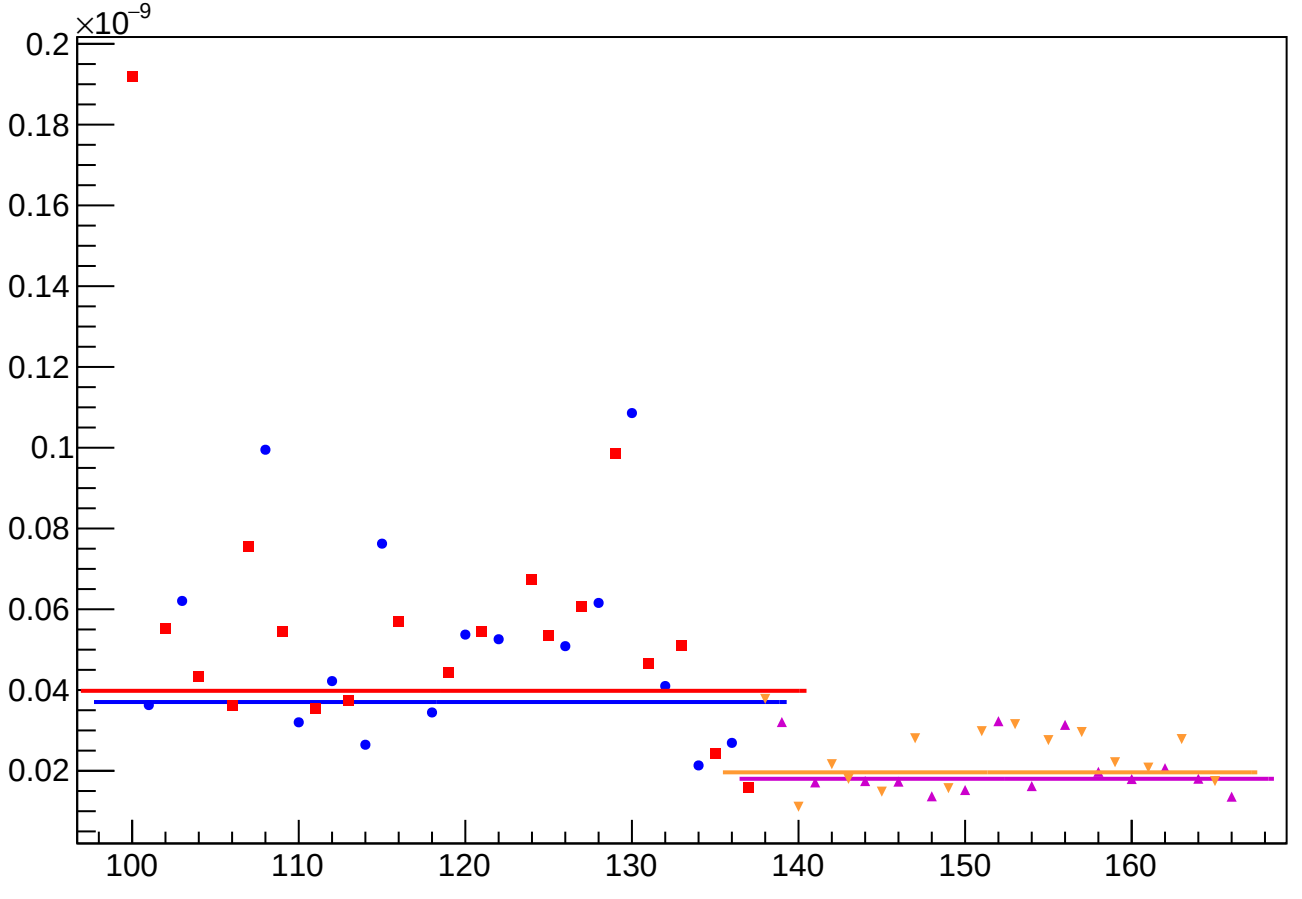
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.2/29

Out: 0.000+/-0.000 χ^2/NDF:24.5/33

All: -0.000+/-0.000 χ^2/NDF: 68.2/63

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1129346.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:571779.3/13

Left: 0.000+/-0.000 χ^2/NDF: 1732405.0/28

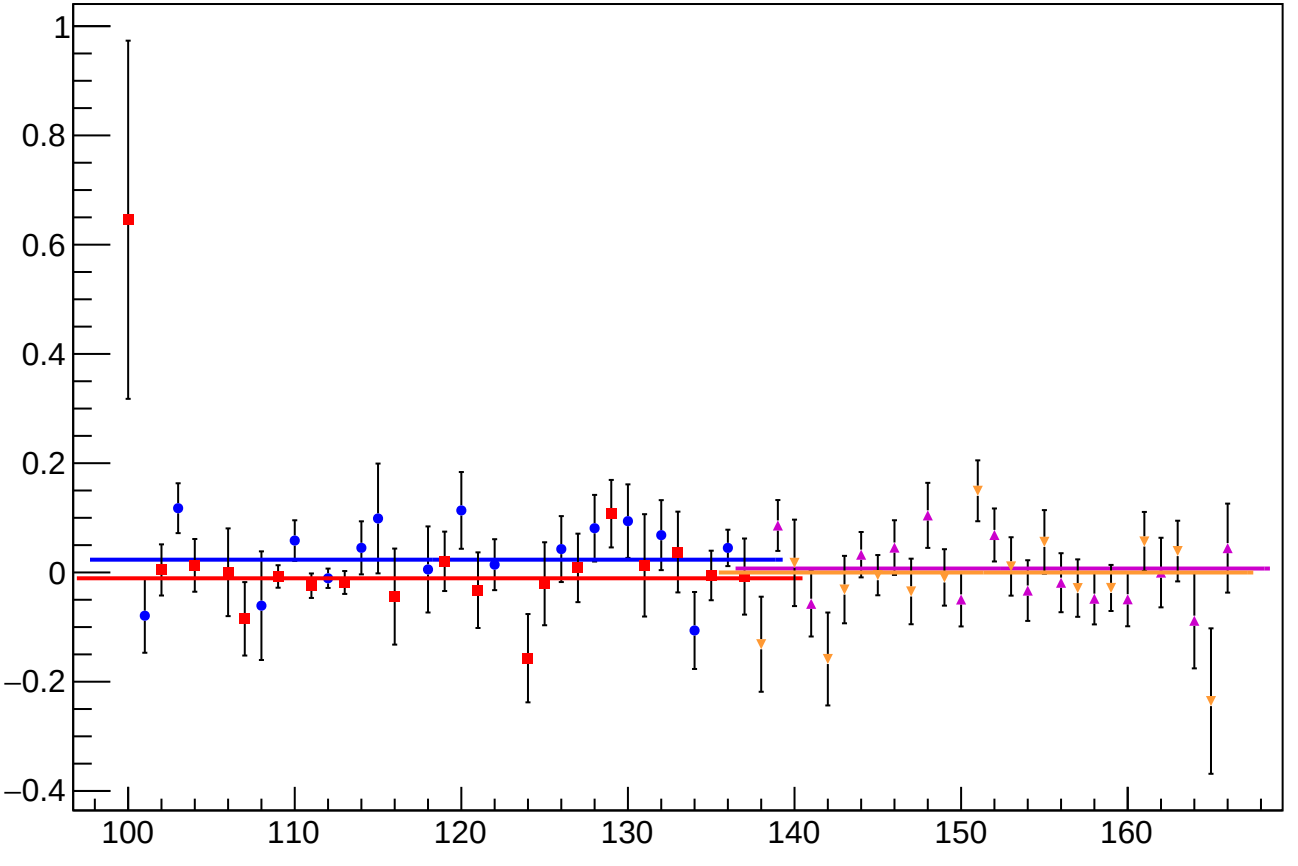
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2868749.8/29

Out: 0.000+/-0.000 χ^2/NDF:3349268.5/33

All: 0.000+/-0.000 χ^2/NDF: 6258133.5/63

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

Left: 0.004+/-0.010 χ^2/NDF: 35.6/28

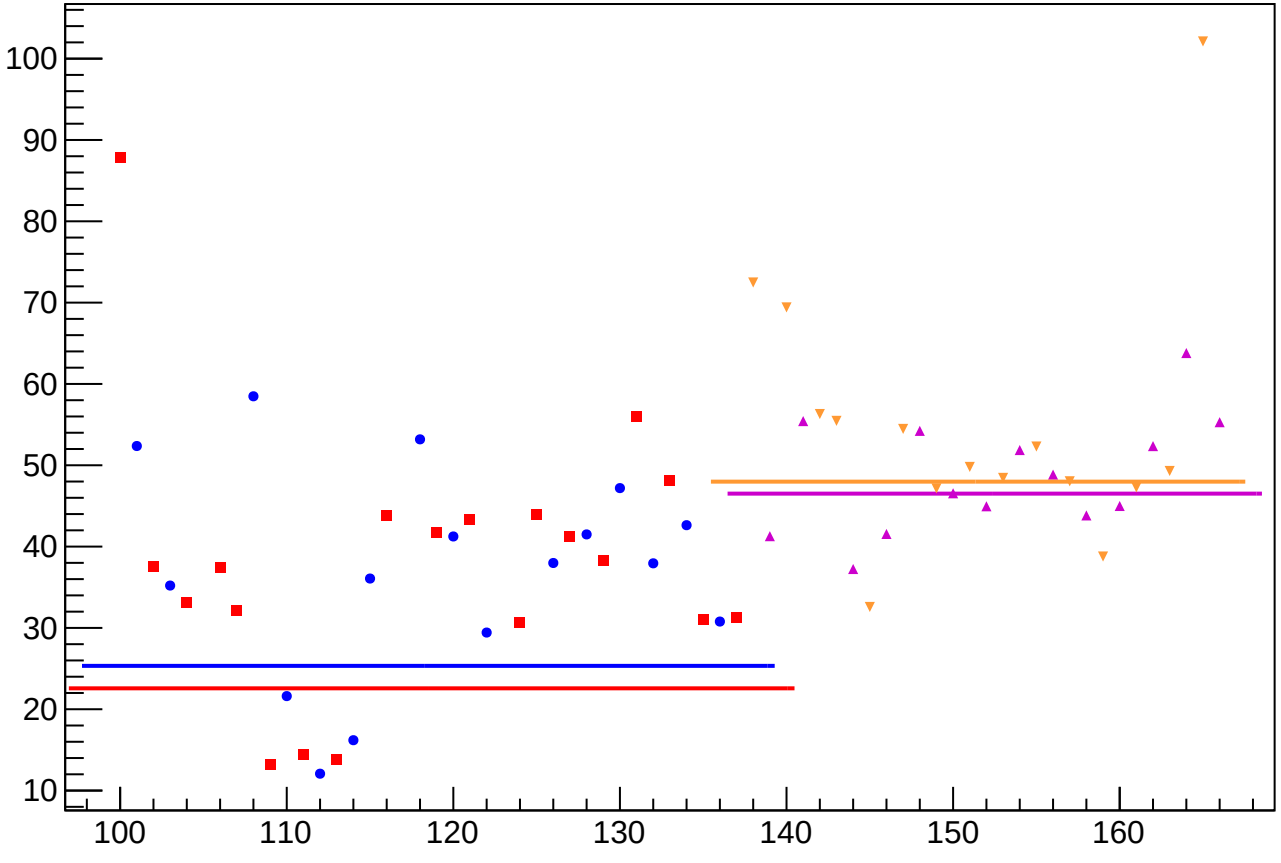
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.9/63

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.513+/-0.010 χ^2/NDF:373923.4/13

Left: 47.235+/-0.007 χ^2/NDF: 1552407.7/28

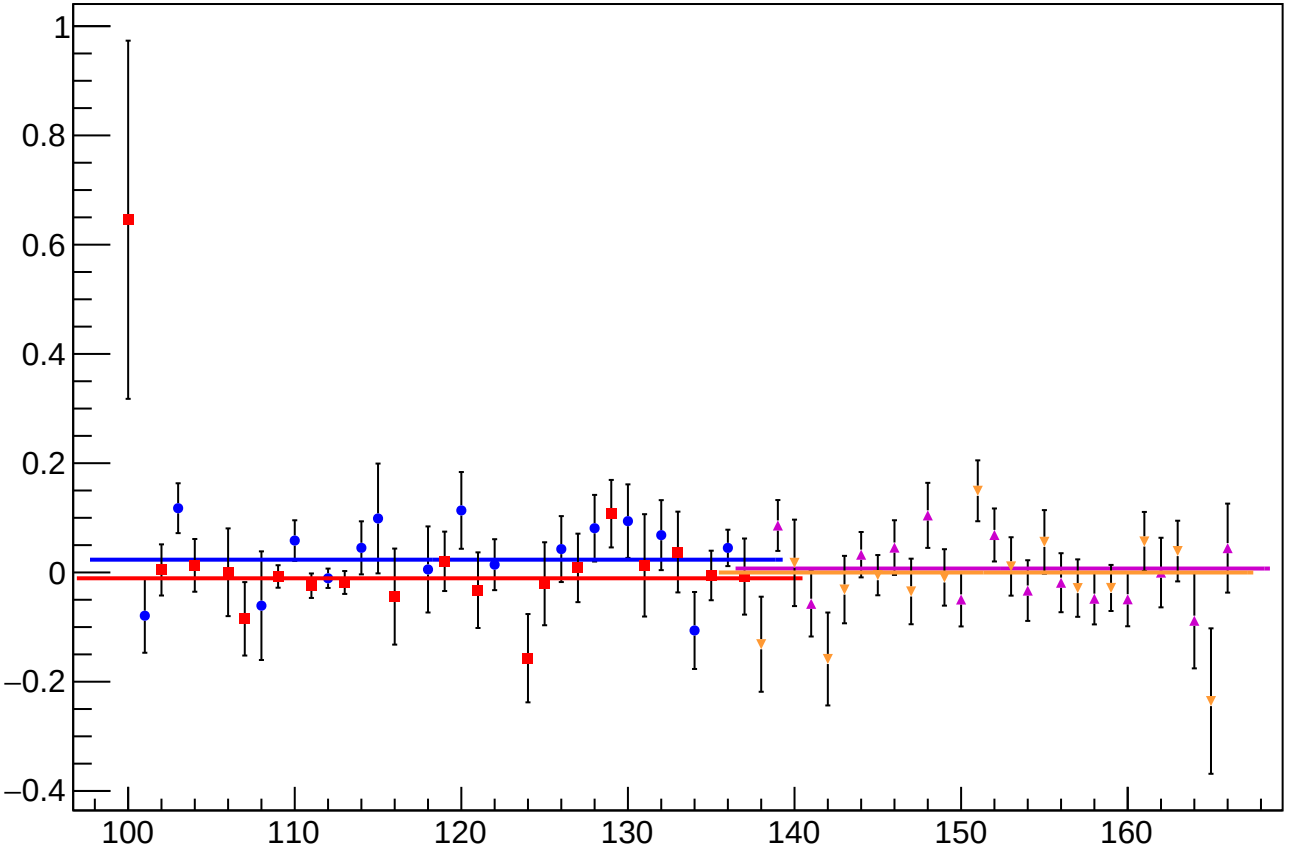
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.272+/-0.006 χ^2/NDF:6043509.5/29

Out: 30.473+/-0.006 χ^2/NDF:8488395.9/33

All: 31.771+/-0.004 χ^2/NDF: 14641615.6/63

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

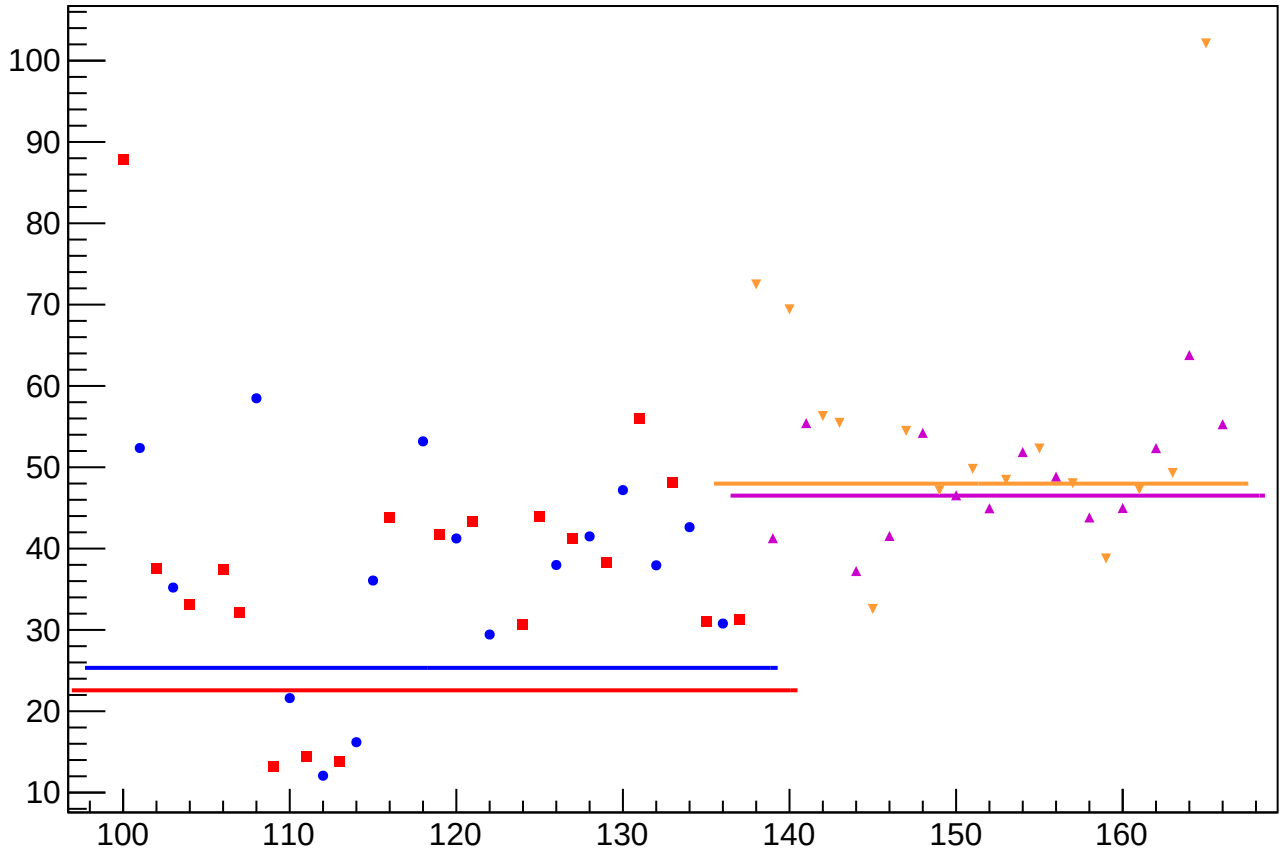
Left: 0.004+/-0.010 χ^2/NDF: 35.6/28

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.9/63



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.513+/-0.010 χ^2/NDF:373923.4/13

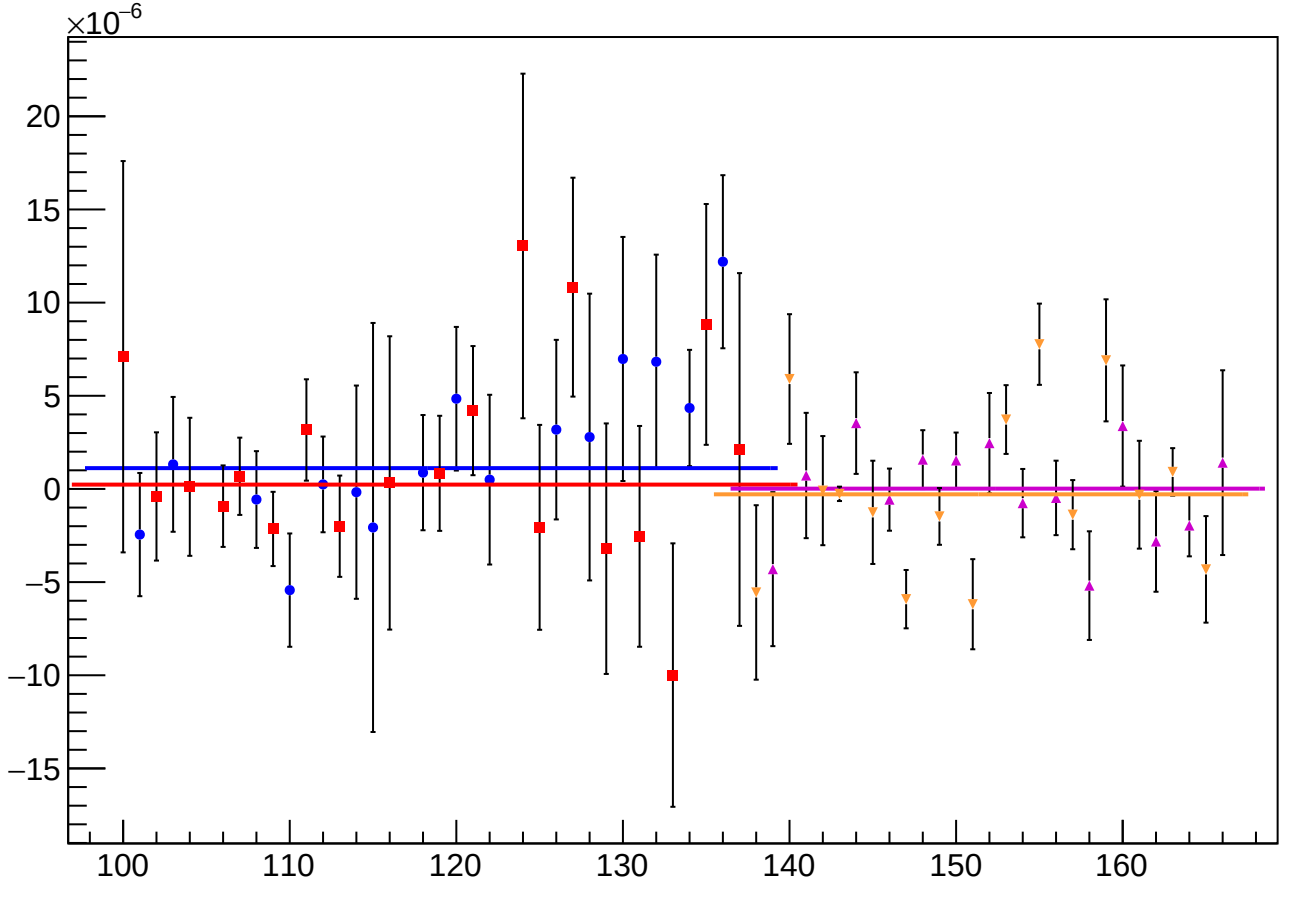
Left: 47.235+/-0.007 χ^2/NDF: 1552407.7/28

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.272+/-0.006 χ^2/NDF:6043509.5/29

Out: 30.473+/-0.006 χ^2/NDF:8488395.9/33

All: 31.771+/-0.004 χ^2/NDF: 14641615.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/13

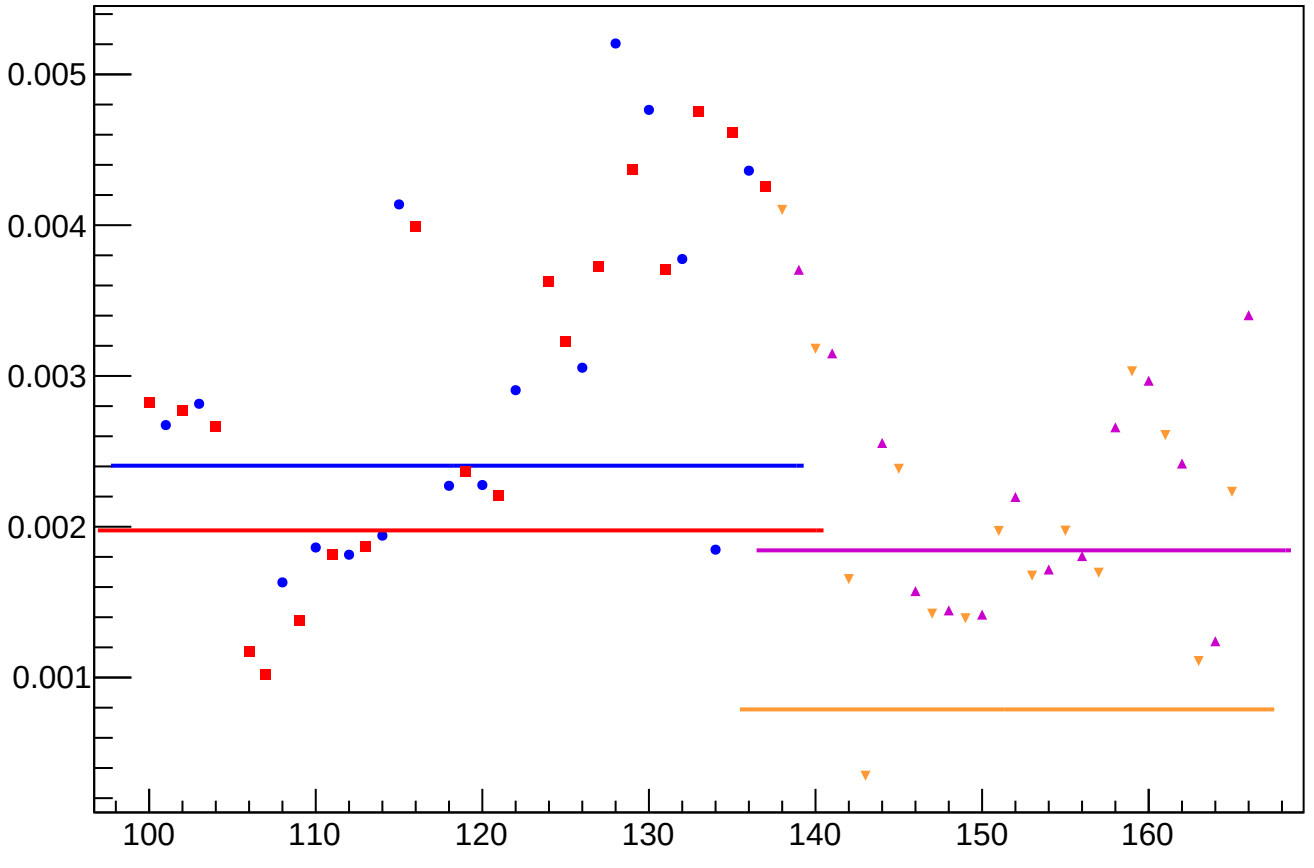
Left: -0.000+/-0.000 χ^2/NDF: 63.5/28

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:30.0/29

Out: -0.000+/-0.000 χ^2/NDF:65.9/33

All: -0.000+/-0.000 χ^2/NDF: 96.8/63



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:10397519.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2181226.9/13

Left: 0.001+/-0.000 χ^2/NDF: 17602863.9/28

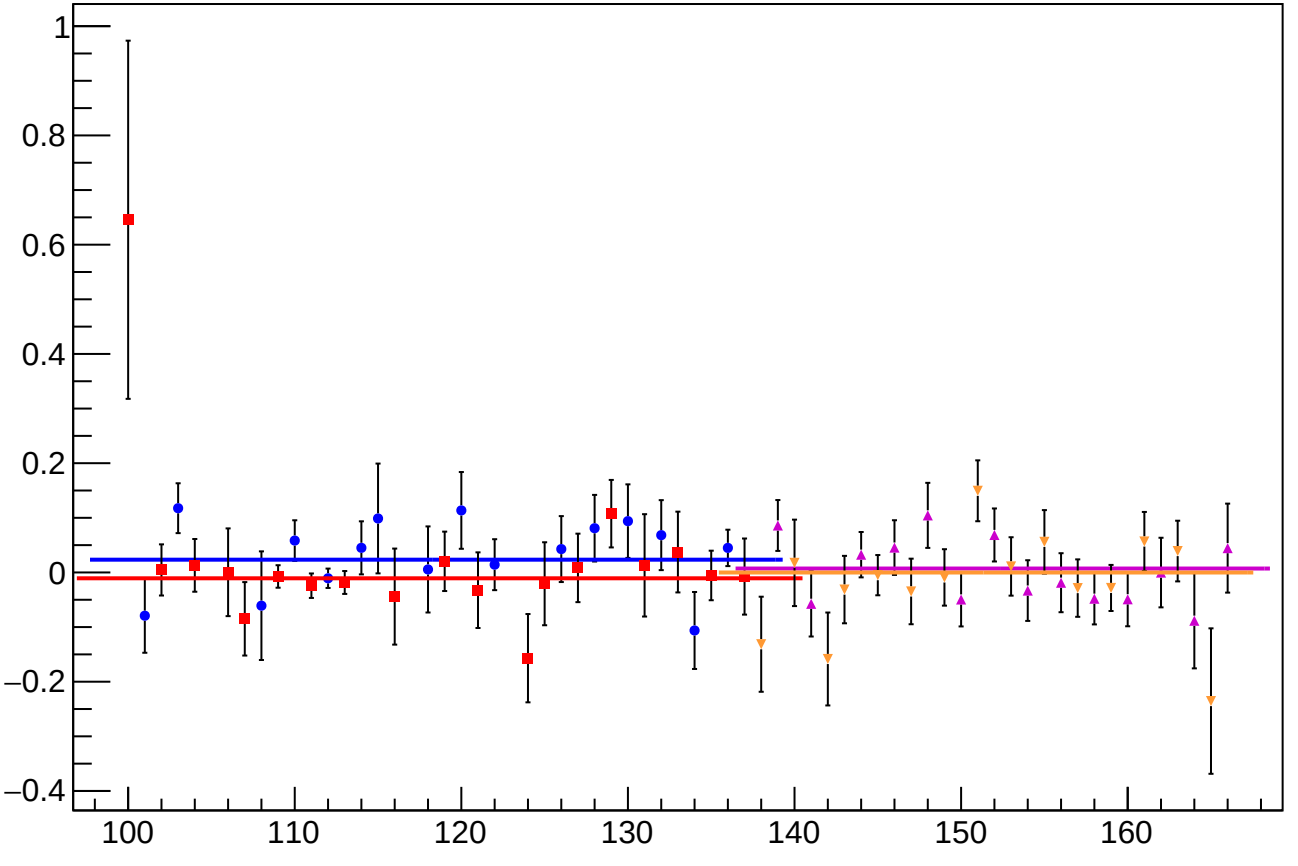
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4256541.8/29

Out: 0.001+/-0.000 χ^2/NDF:16872163.4/33

All: 0.001+/-0.000 χ^2/NDF: 27677002.6/63

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

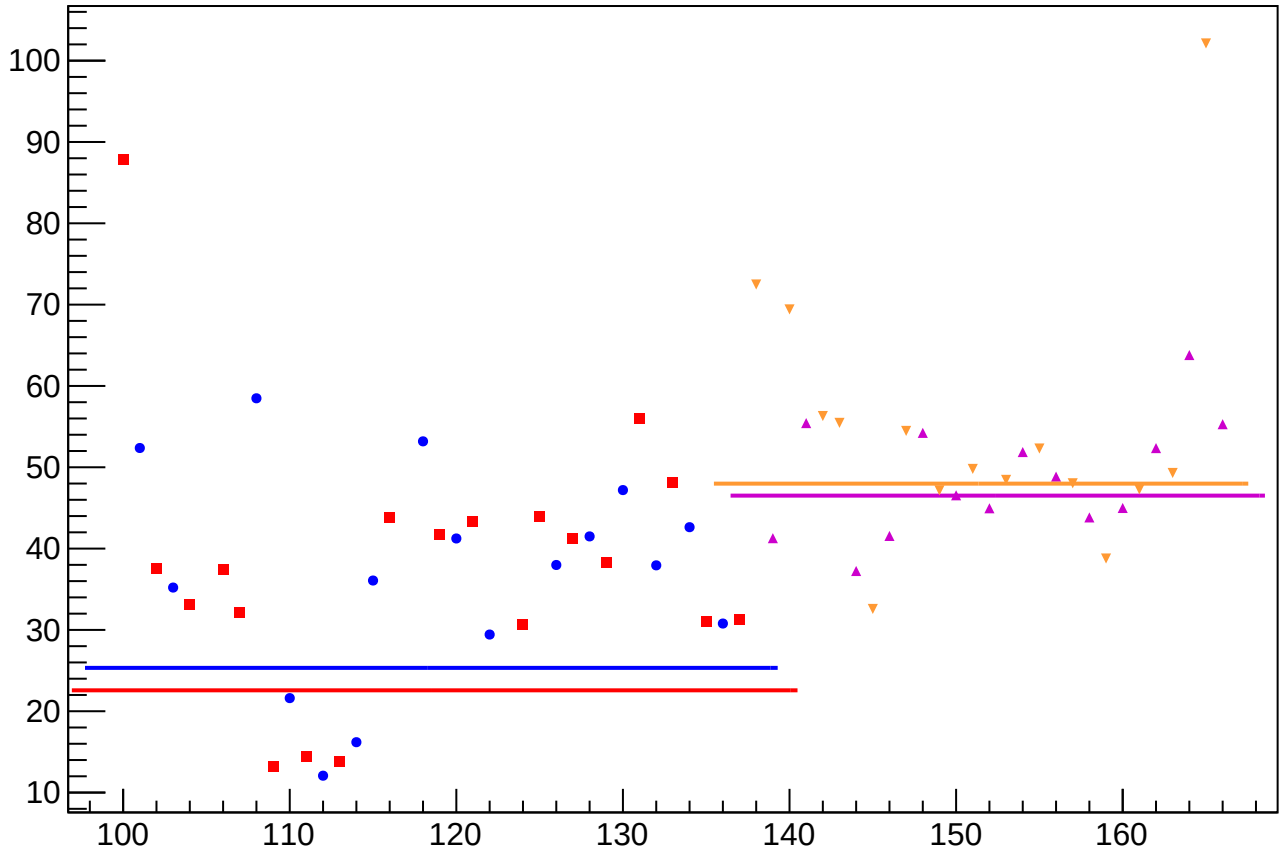
Left: 0.004+/-0.010 χ^2/NDF: 35.6/28

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.9/63



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.988+/-0.010 χ^2/NDF:1168029.6/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.513+/-0.010 χ^2/NDF:373910.9/13

Left: 47.235+/-0.007 χ^2/NDF: 1552354.3/28

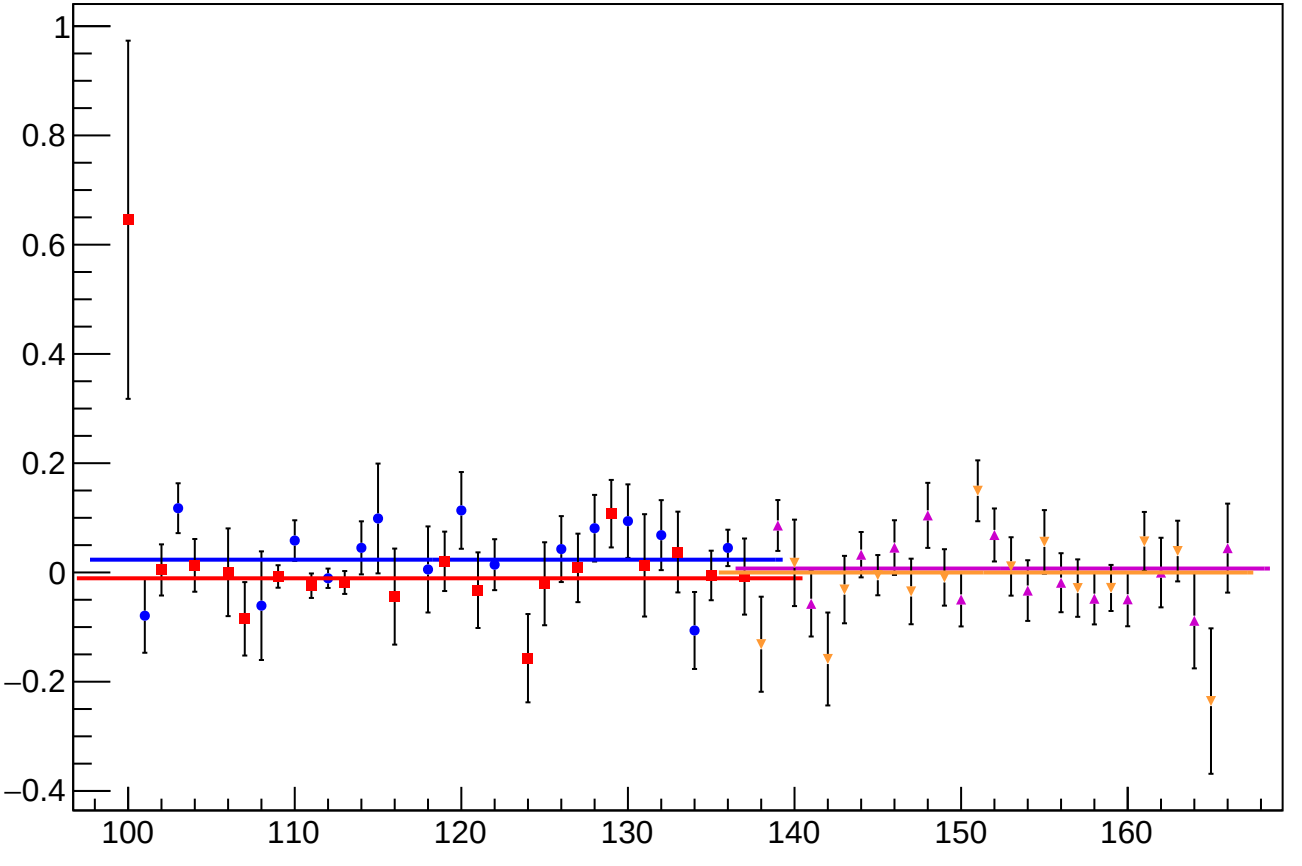
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.271+/-0.006 χ^2/NDF:6044418.9/29

Out: 30.473+/-0.006 χ^2/NDF:8488738.7/33

All: 31.770+/-0.004 χ^2/NDF: 14642808.4/63

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.4/13

Left: 0.004+/-0.010 χ^2/NDF: 35.6/28

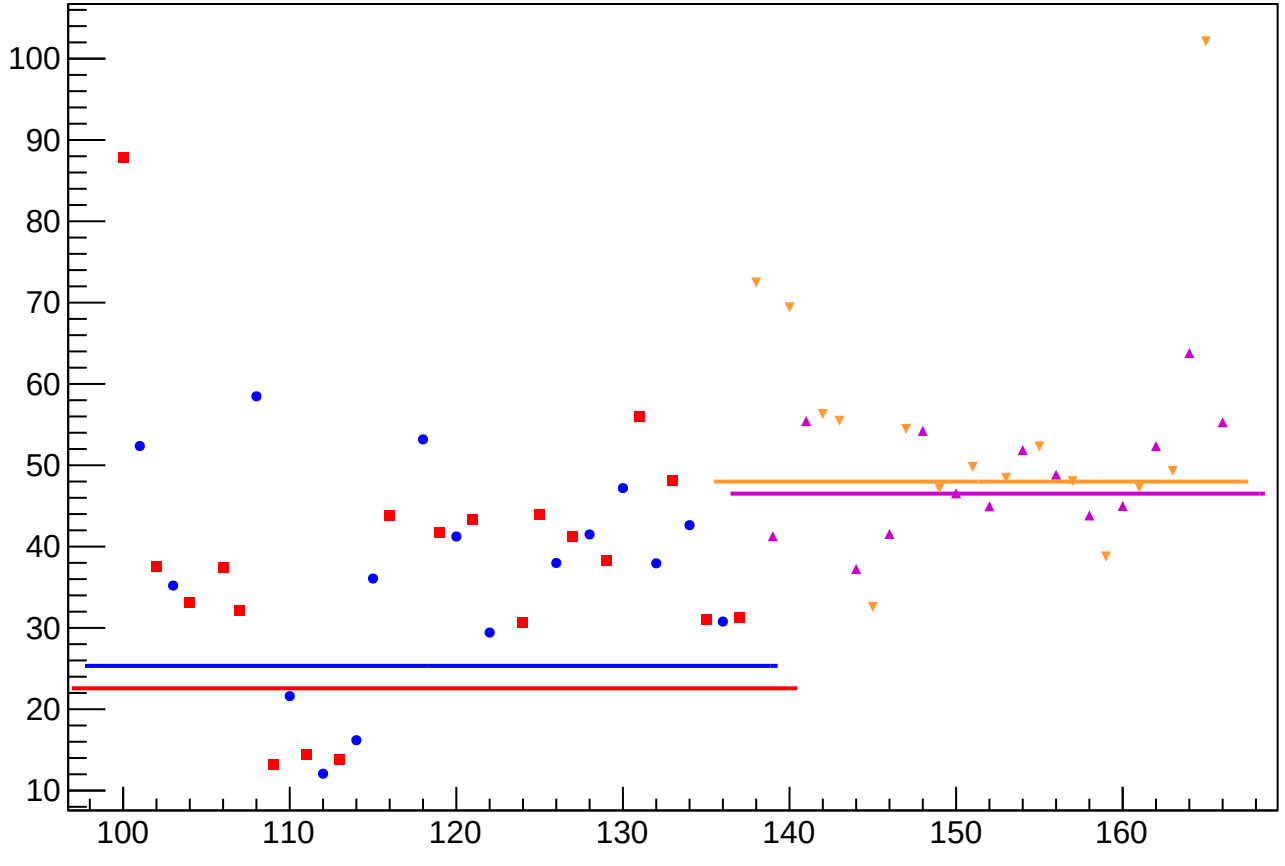
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:37.0/29

Out: -0.007+/-0.008 χ^2/NDF:34.7/33

All: 0.004+/-0.006 χ^2/NDF: 75.9/63

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.988+/-0.010 χ^2/NDF:1168029.6/14

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.513+/-0.010 χ^2/NDF:373910.9/13

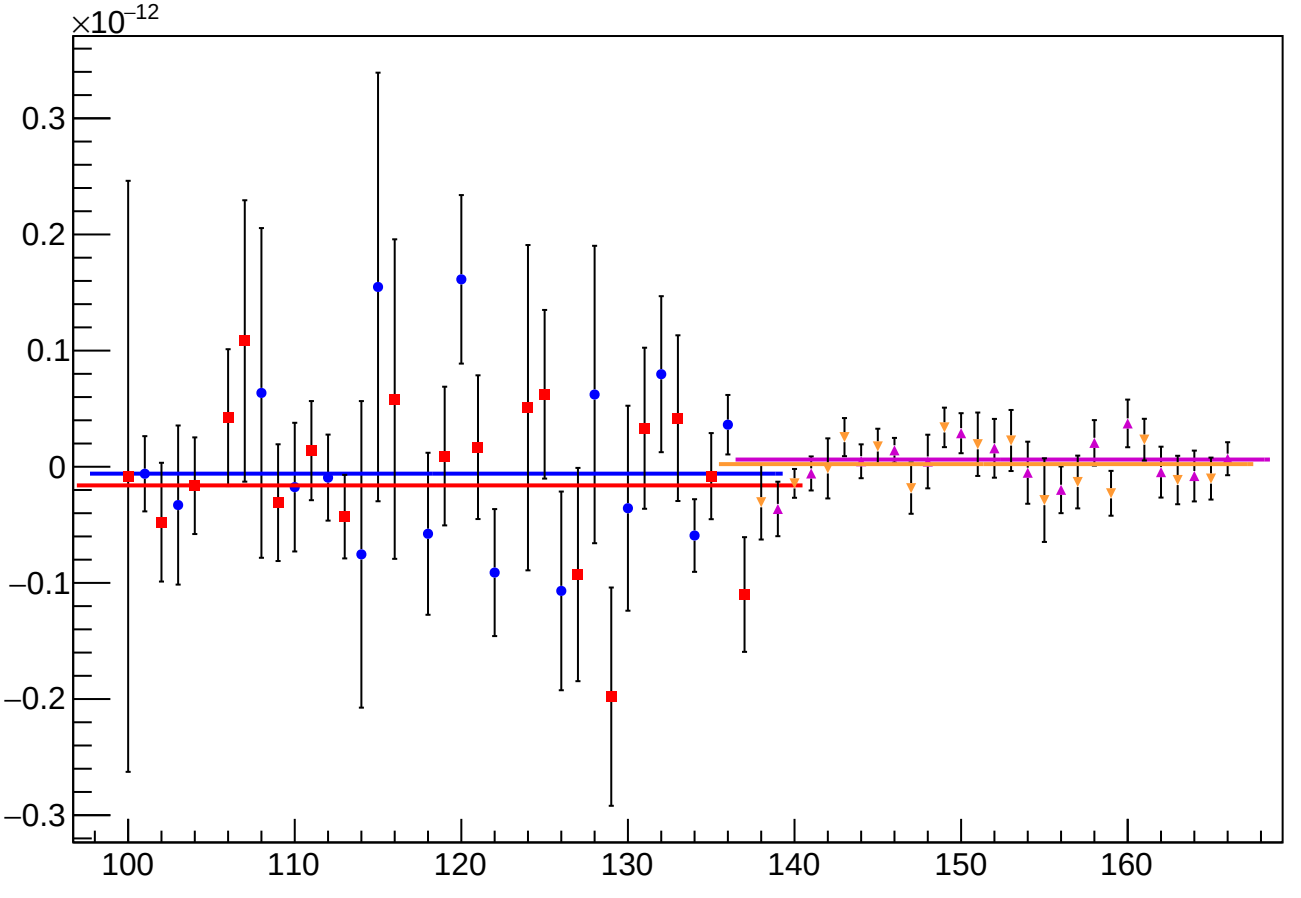
Left: 47.235+/-0.007 χ^2/NDF: 1552354.3/28

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.271+/-0.006 χ^2/NDF:6044418.9/29

Out: 30.473+/-0.006 χ^2/NDF:8488738.7/33

All: 31.770+/-0.004 χ^2/NDF: 14642808.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/13

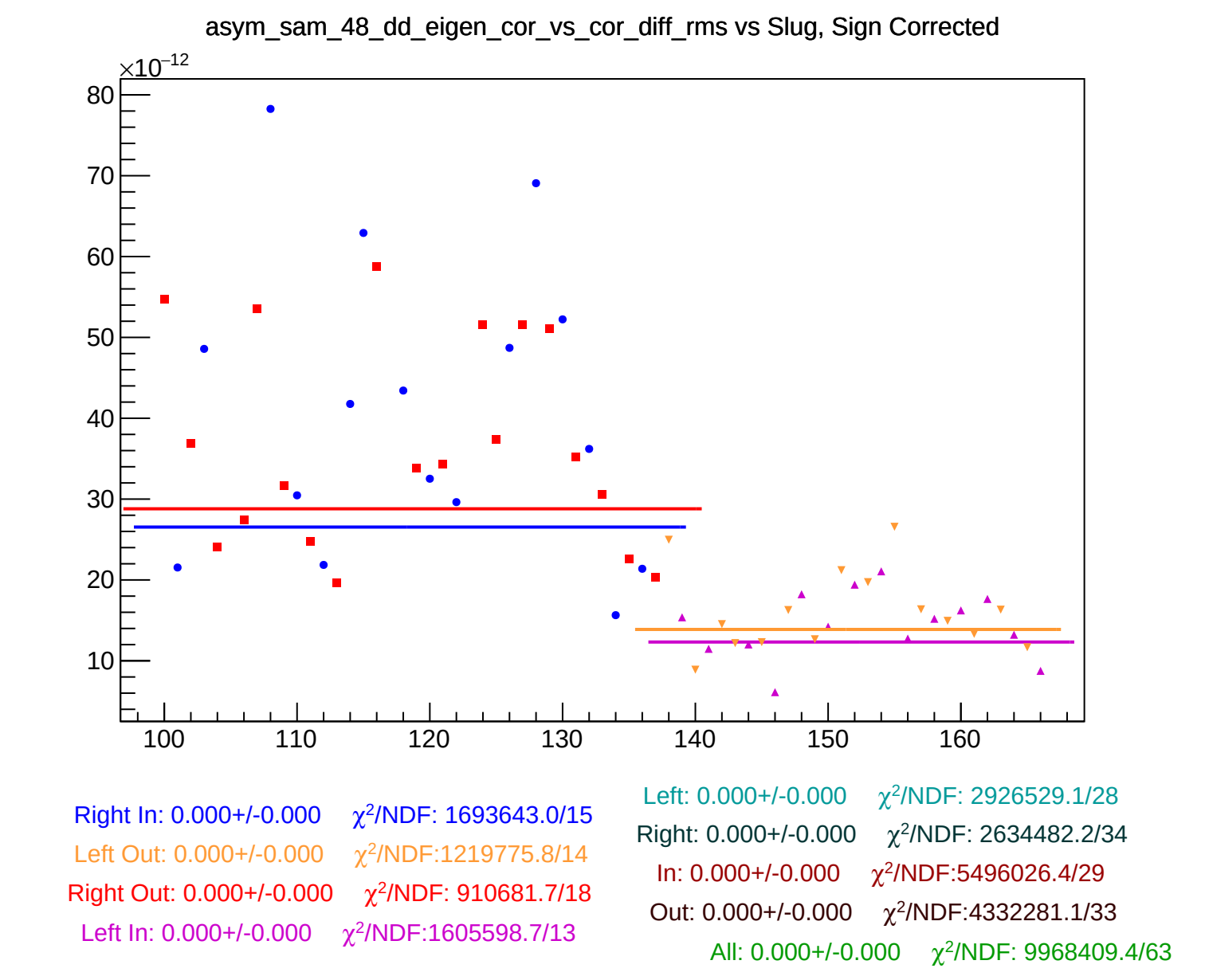
Left: 0.000+/-0.000 χ^2/NDF: 28.5/28

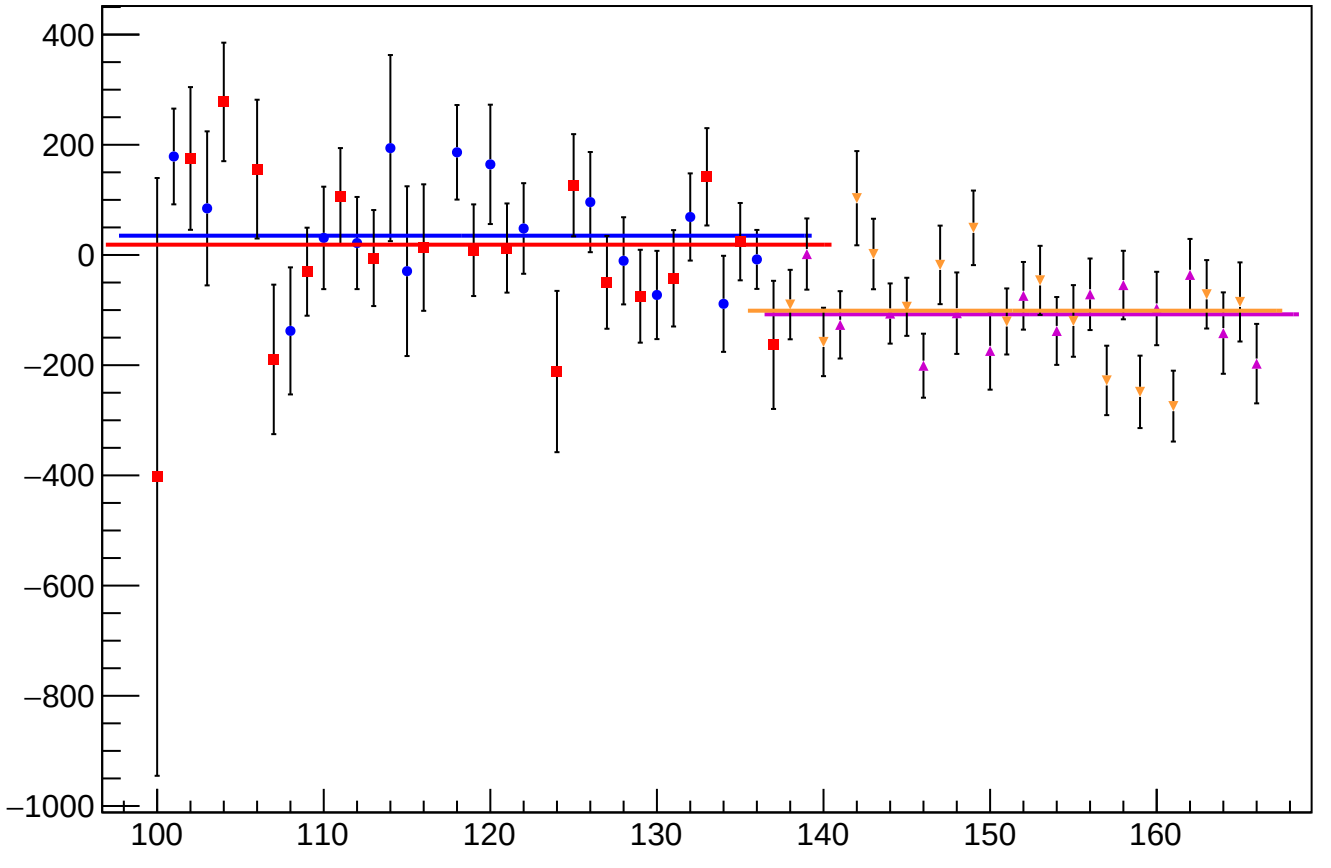
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.4/29

Out: -0.000+/-0.000 χ^2/NDF:33.0/33

All: 0.000+/-0.000 χ^2/NDF: 64.9/63


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1219775.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1605598.7/13
Left: 0.000+/-0.000 χ²/NDF: 2926529.1/28
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5496026.4/29
Out: 0.000+/-0.000 χ²/NDF:4332281.1/33
All: 0.000+/-0.000 χ²/NDF: 9968409.4/63



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.114+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -107.682+/-17.189 χ^2/NDF:11.0/13

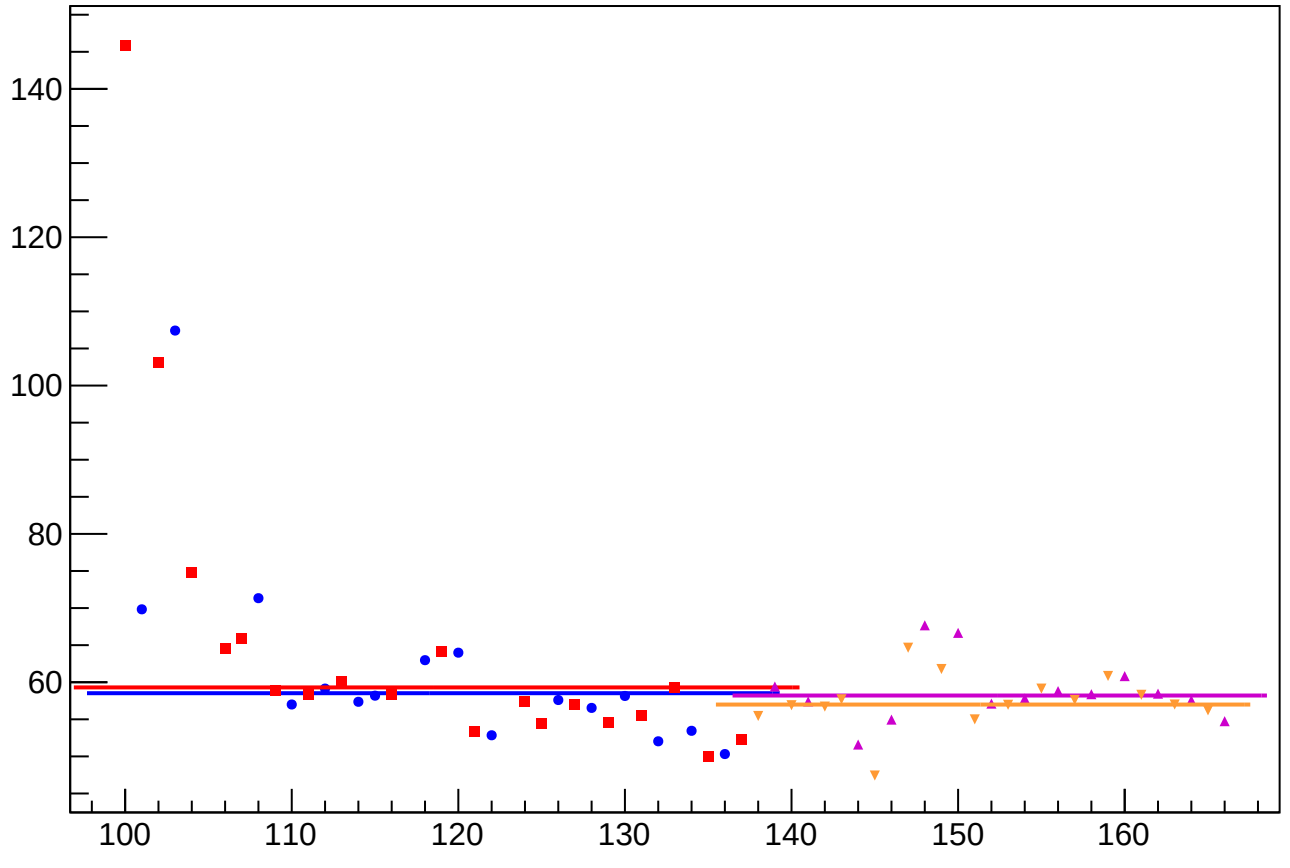
Left: -104.289+/-11.952 χ^2/NDF: 44.1/28

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -53.997+/-13.576 χ^2/NDF:53.1/29

Out: -57.890+/-13.297 χ^2/NDF:75.3/33

All: -55.984+/-9.499 χ^2/NDF: 128.4/63



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.580+/-0.008 χ^2/NDF: 225239.7/28

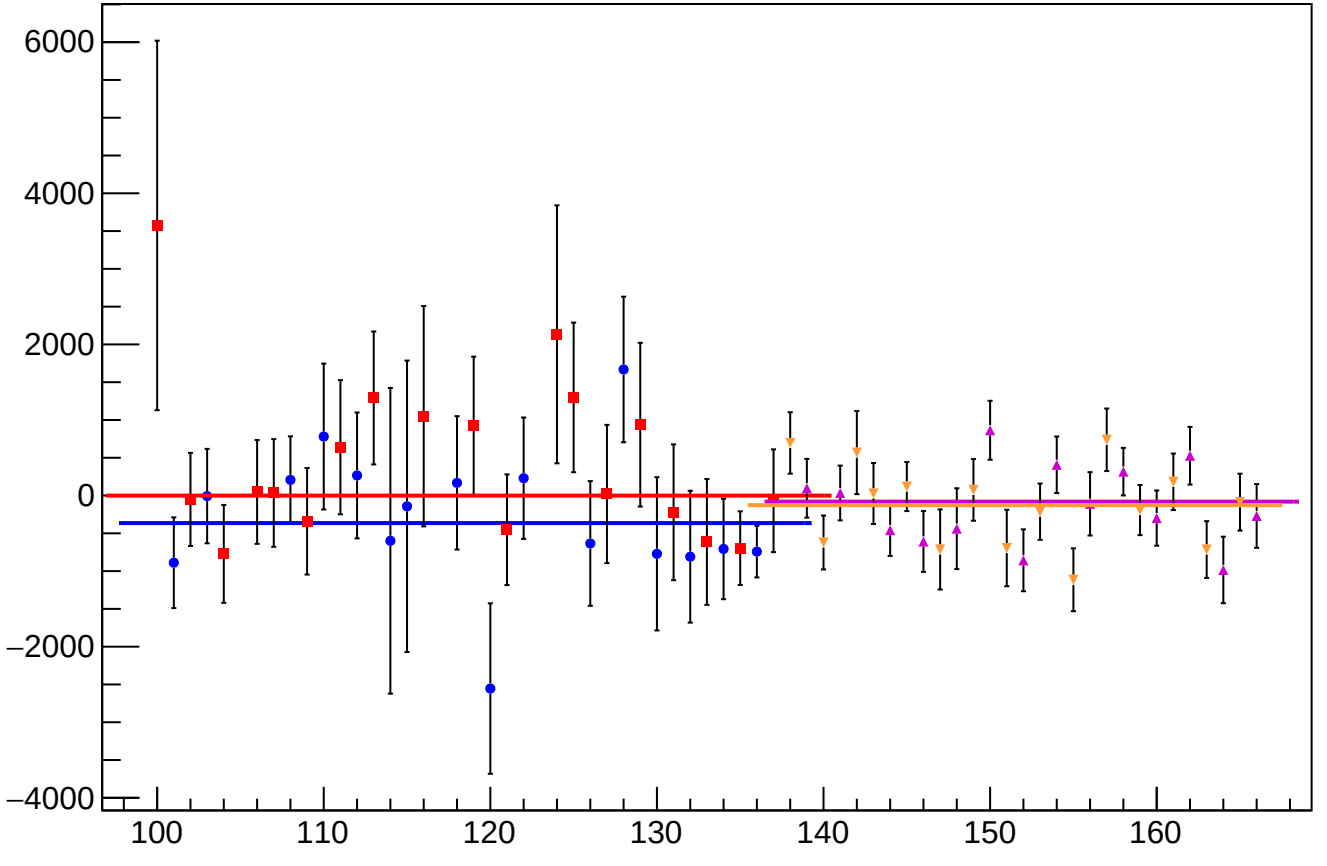
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.327+/-0.010 χ^2/NDF:499928.1/29

Out: 57.825+/-0.009 χ^2/NDF:533650.2/33

All: 58.070+/-0.007 χ^2/NDF: 1034974.0/63

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -80.370+/-103.671 χ^2/NDF:23.7/13

Left: -103.764+/-72.822 χ^2/NDF: 48.1/28

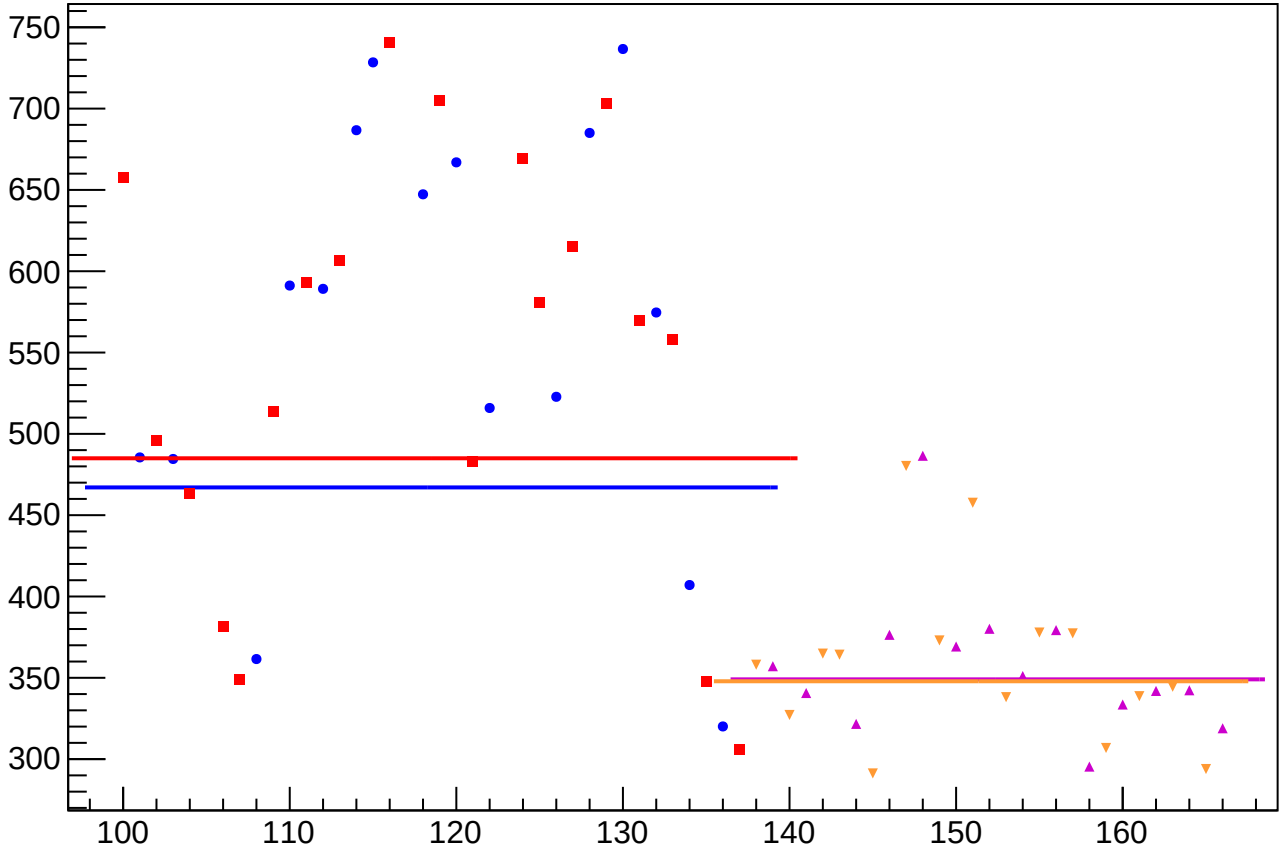
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -150.686+/-89.910 χ^2/NDF:40.8/29

Out: -96.569+/-89.314 χ^2/NDF:39.7/33

All: -123.447+/-63.364 χ^2/NDF: 80.7/63

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.7/14

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 349.049+/-0.073 χ^2/NDF:256483.4/13

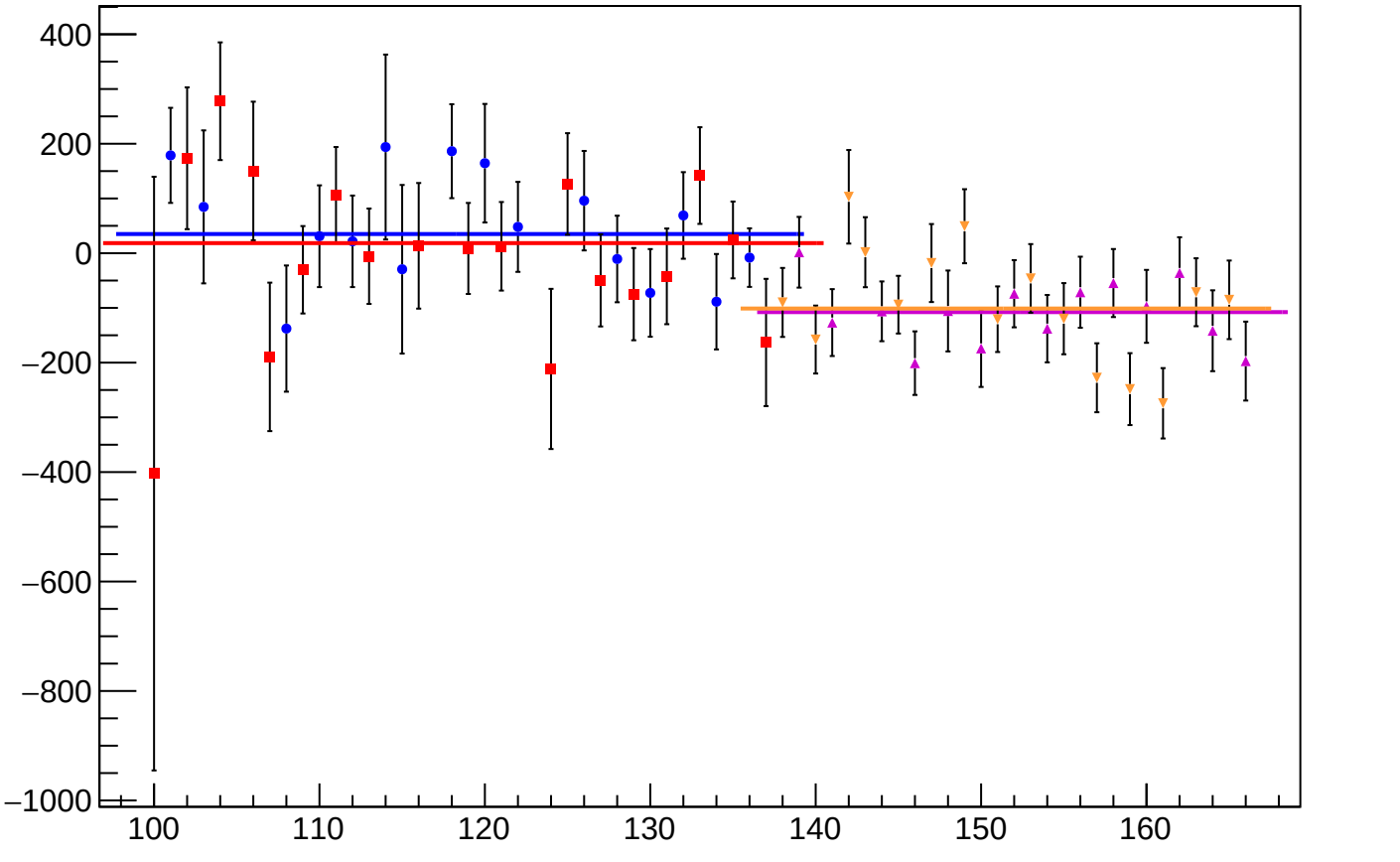
Left: 348.454+/-0.051 χ^2/NDF: 652381.2/28

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 378.300+/-0.064 χ^2/NDF:1929152.1/29

Out: 380.502+/-0.063 χ^2/NDF:2124571.1/33

All: 379.408+/-0.045 χ^2/NDF: 4054327.3/63



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -107.683+/-17.189 χ^2/NDF:11.0/13

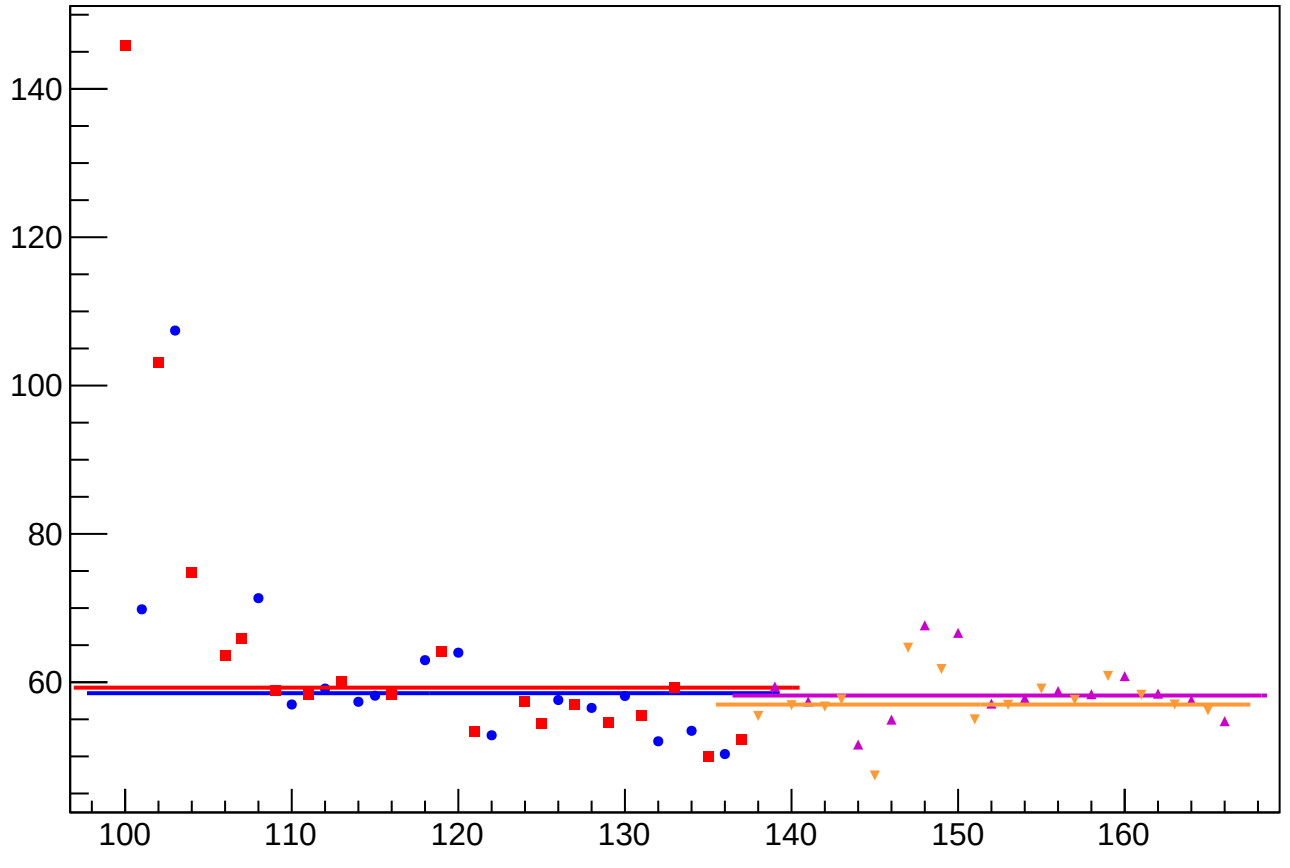
Left: -104.288+/-11.952 χ^2/NDF: 44.1/28

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -53.998+/-13.576 χ^2/NDF:53.1/29

Out: -57.998+/-13.298 χ^2/NDF:75.0/33

All: -56.039+/-9.500 χ^2/NDF: 128.2/63



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.580+/-0.008 χ^2/NDF: 225239.8/28

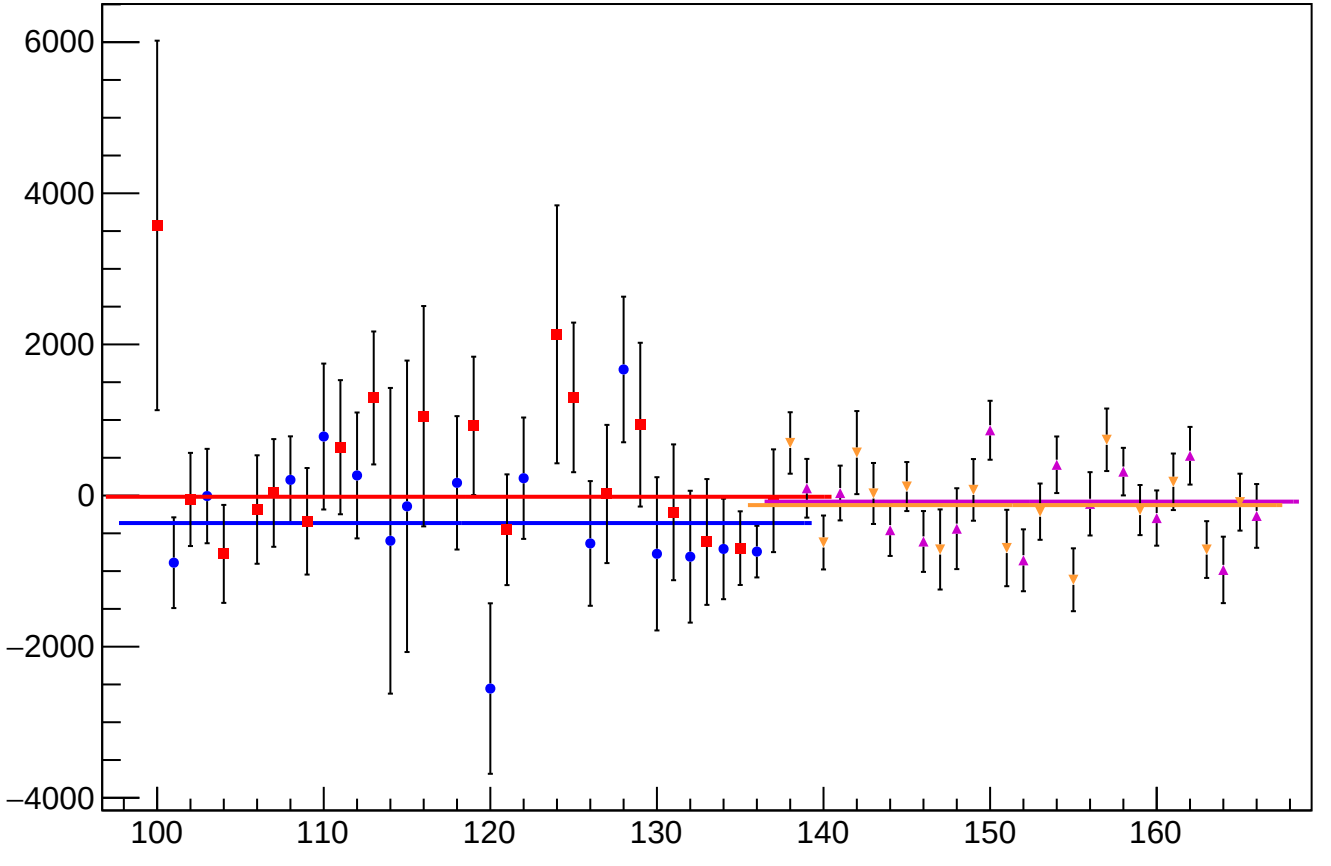
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.327+/-0.010 χ^2/NDF:499930.2/29

Out: 57.813+/-0.009 χ^2/NDF:532270.8/33

All: 58.065+/-0.007 χ^2/NDF: 1033662.4/63

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -80.371+/-103.671 χ^2/NDF:23.7/13

Left: -103.764+/-72.822 χ^2/NDF: 48.1/28

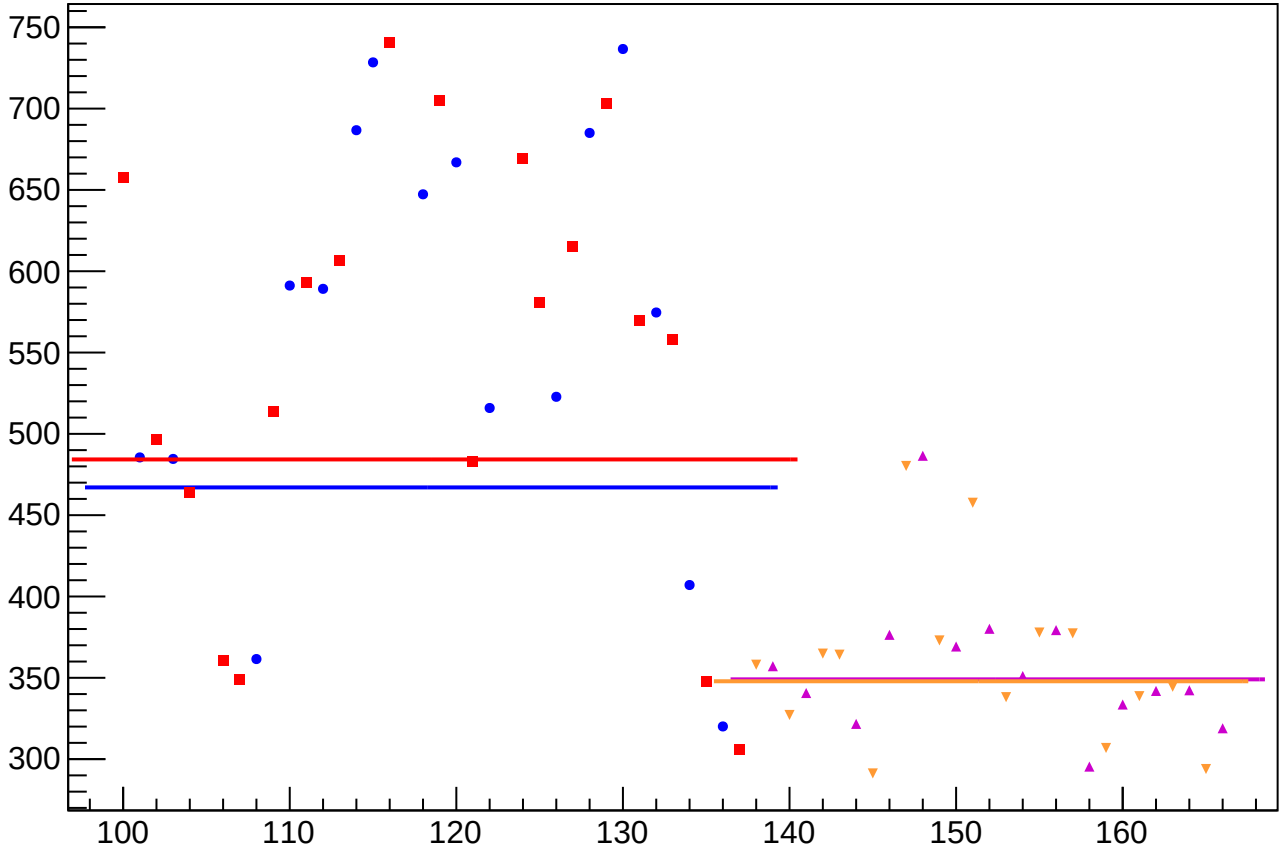
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -150.676+/-89.911 χ^2/NDF:40.8/29

Out: -100.385+/-89.379 χ^2/NDF:39.7/33

All: -125.381+/-63.388 χ^2/NDF: 80.7/63

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.050+/-0.073 χ^2/NDF:256483.7/13

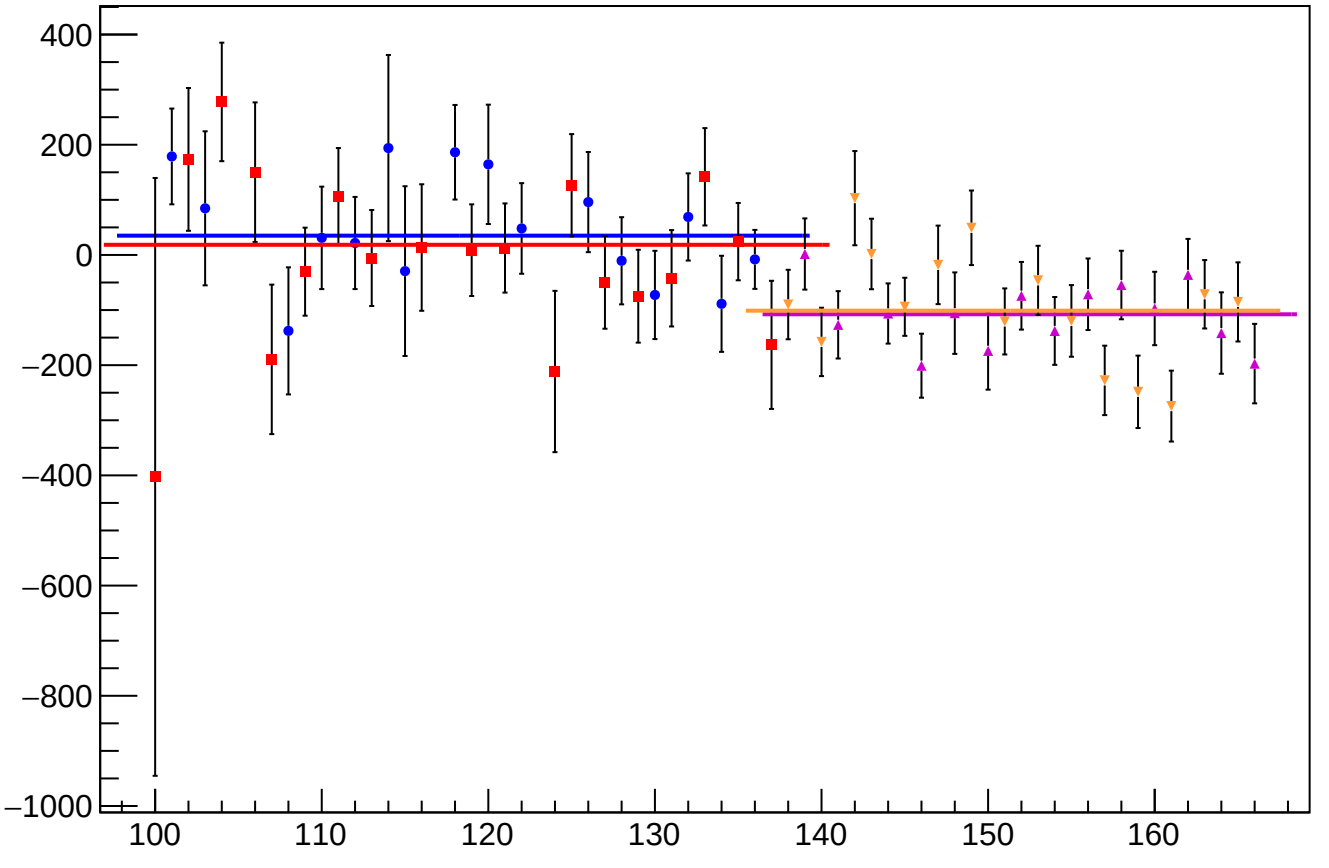
Left: 348.454+/-0.051 χ^2/NDF: 652381.2/28

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 378.300+/-0.064 χ^2/NDF:1929175.6/29

Out: 380.182+/-0.063 χ^2/NDF:2126493.2/33

All: 379.247+/-0.045 χ^2/NDF: 4056109.1/63



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -107.683+/-17.189 χ^2/NDF:11.0/13

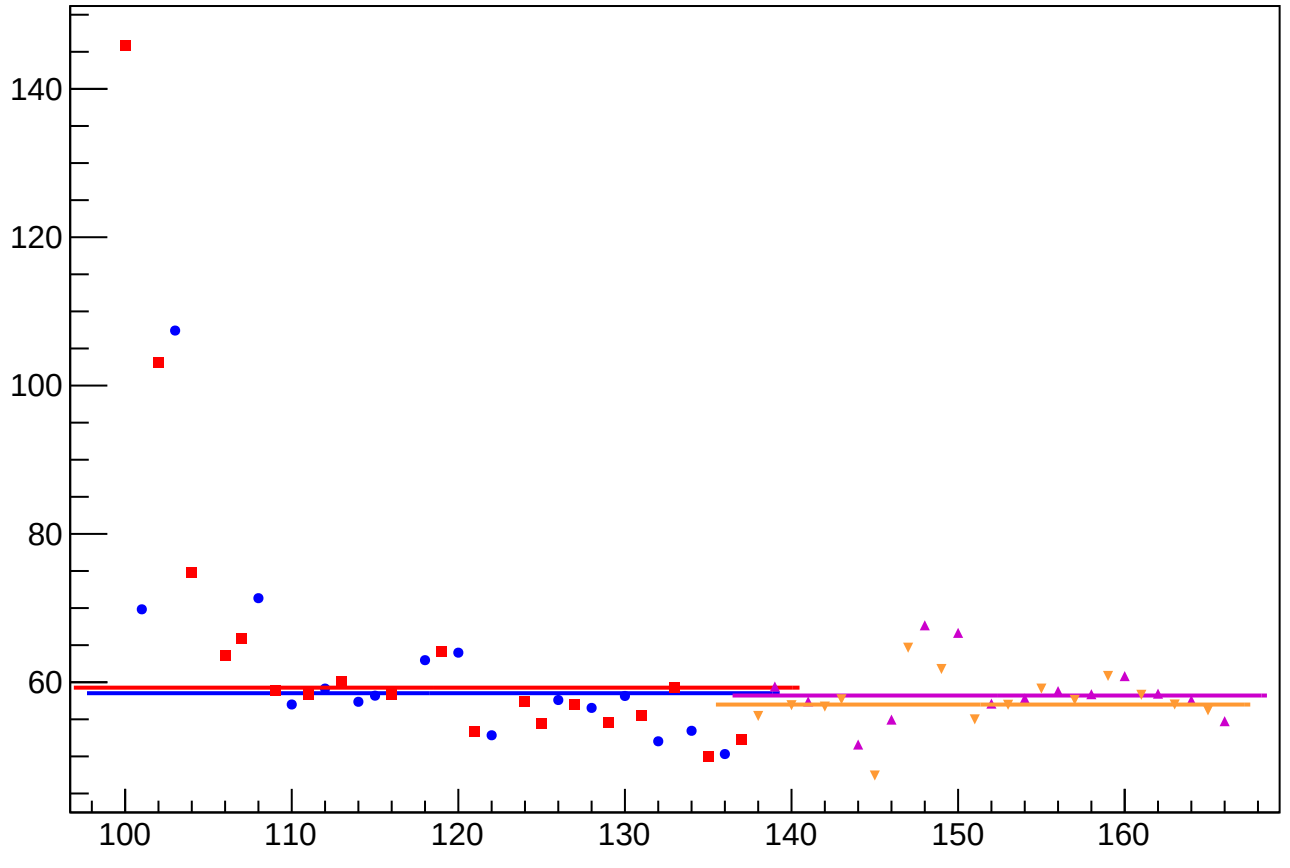
Left: -104.288+/-11.952 χ^2/NDF: 44.1/28

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -53.998+/-13.576 χ^2/NDF:53.1/29

Out: -57.998+/-13.298 χ^2/NDF:75.0/33

All: -56.039+/-9.500 χ^2/NDF: 128.2/63



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.209+/-0.012 χ^2/NDF:106936.9/13

Left: 57.580+/-0.008 χ^2/NDF: 225239.8/28

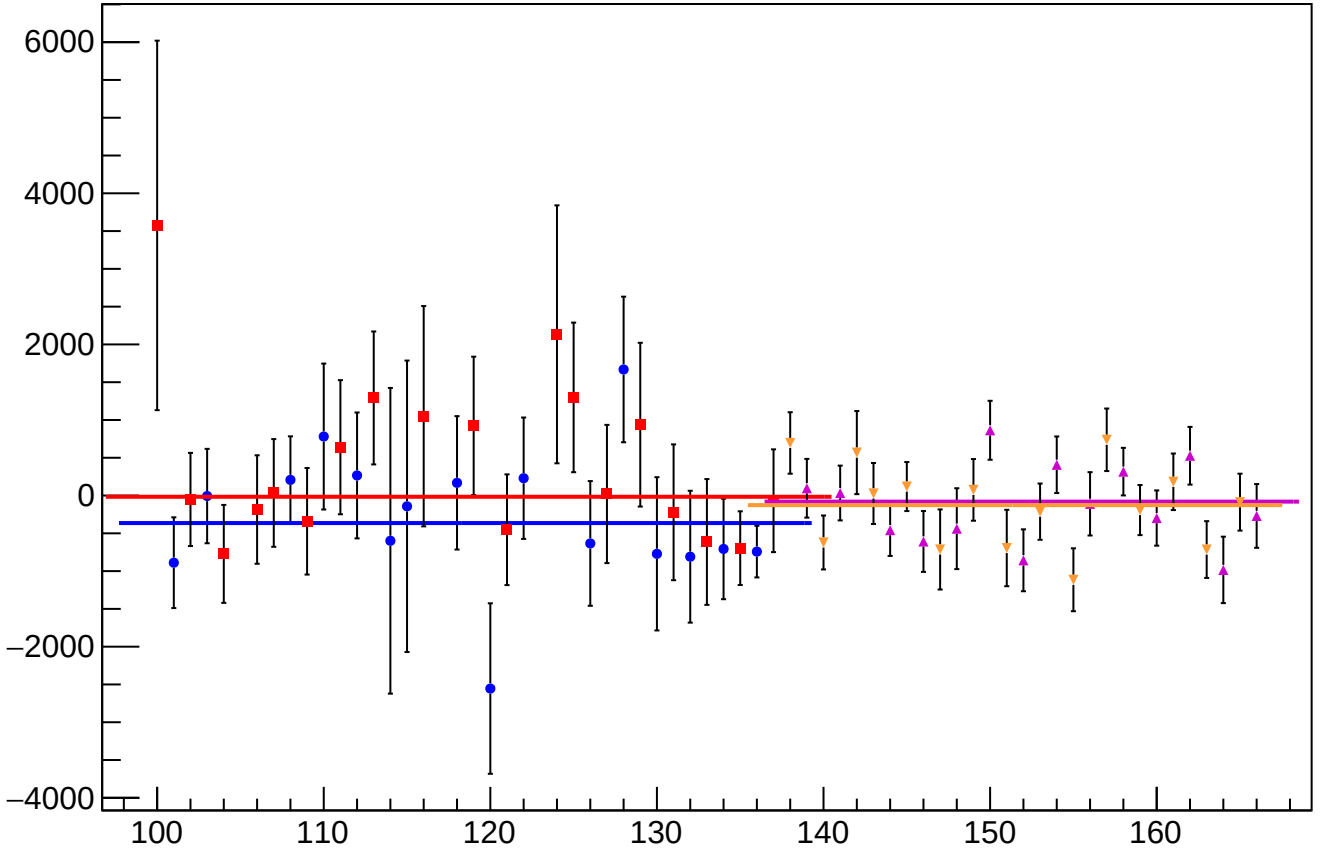
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.327+/-0.010 χ^2/NDF:499930.2/29

Out: 57.813+/-0.009 χ^2/NDF:532270.8/33

All: 58.065+/-0.007 χ^2/NDF: 1033662.4/63

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -80.371+/-103.671 χ^2/NDF:23.7/13

Left: -103.764+/-72.822 χ^2/NDF: 48.1/28

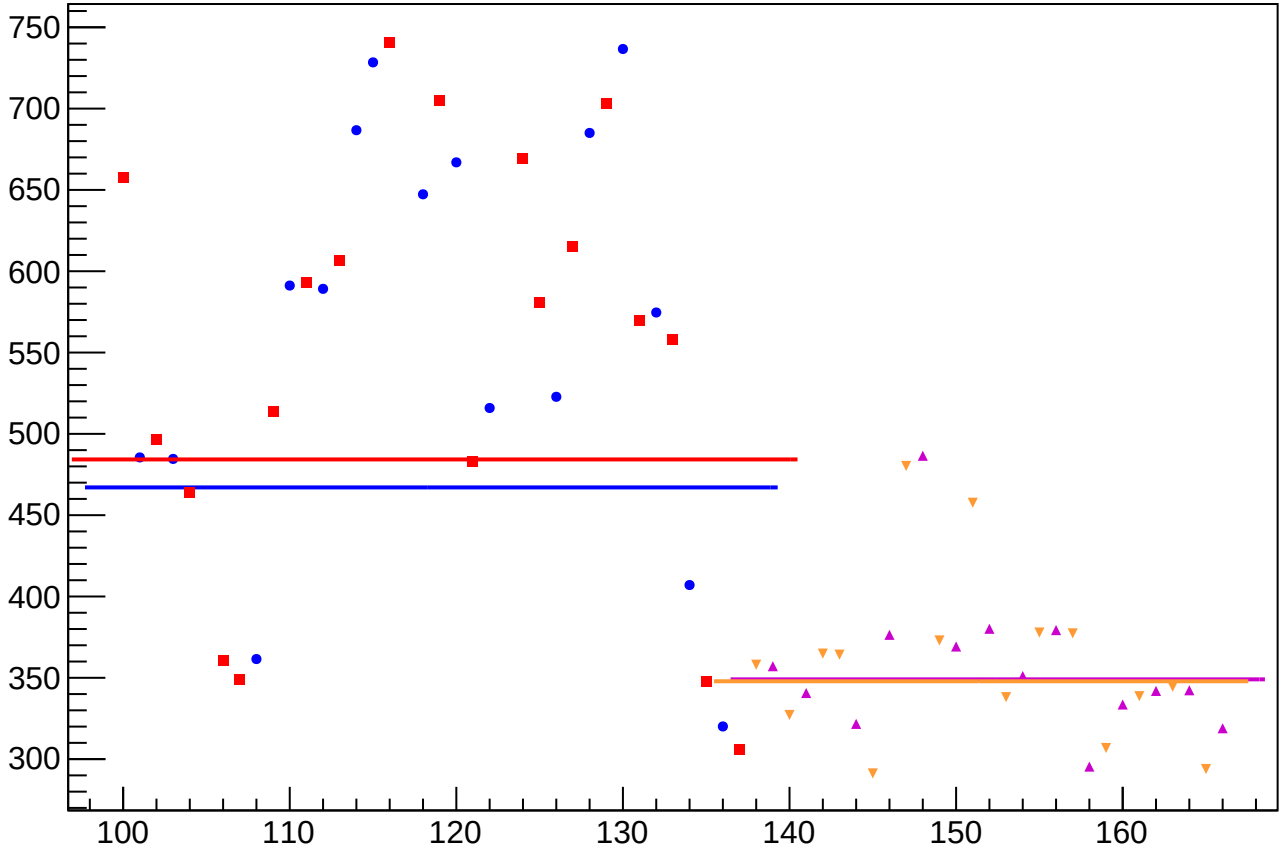
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -150.676+/-89.911 χ^2/NDF:40.8/29

Out: -100.385+/-89.379 χ^2/NDF:39.7/33

All: -125.381+/-63.388 χ^2/NDF: 80.7/63

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.050+/-0.073 χ^2/NDF:256483.7/13

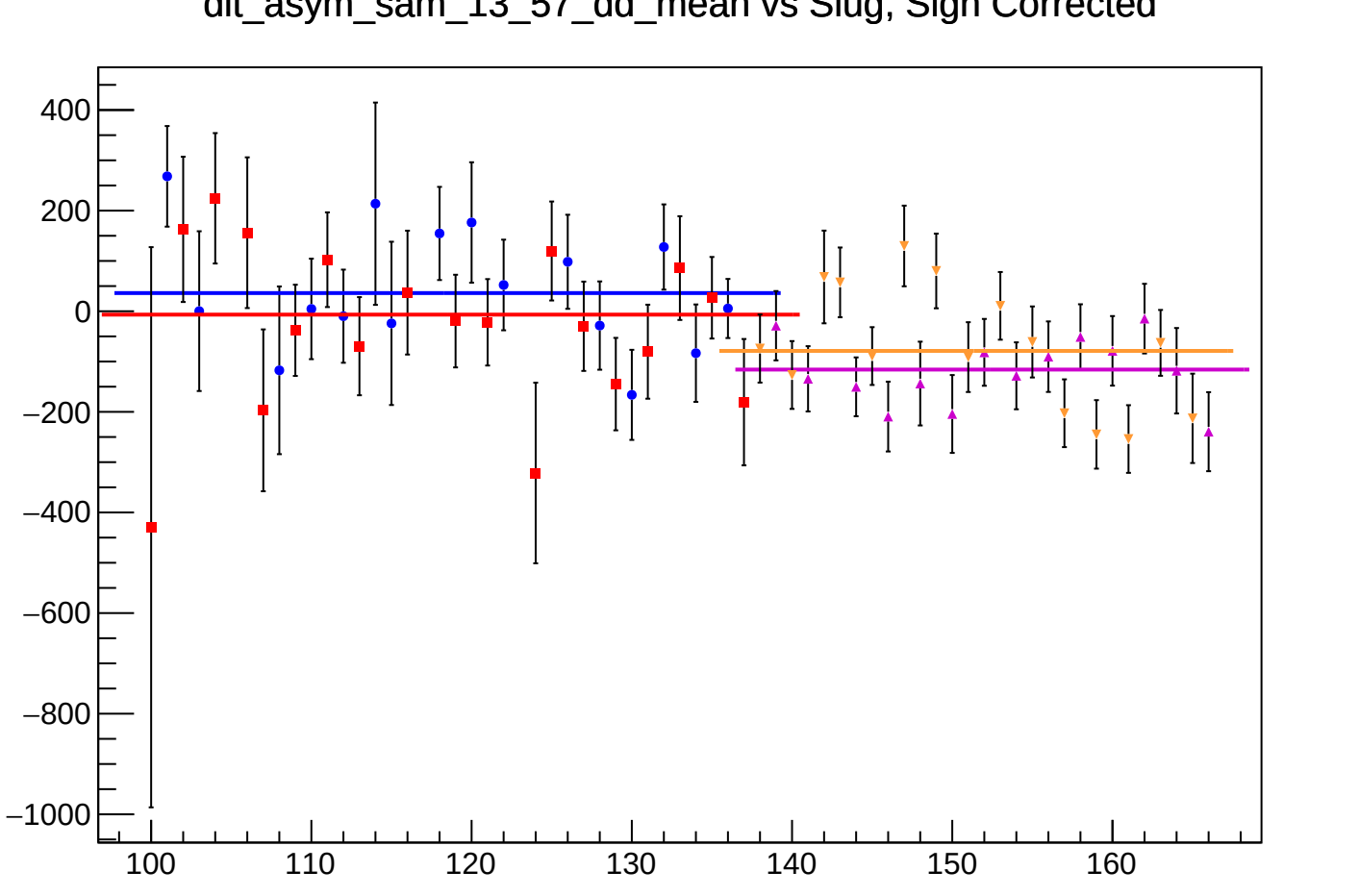
Left: 348.454+/-0.051 χ^2/NDF: 652381.2/28

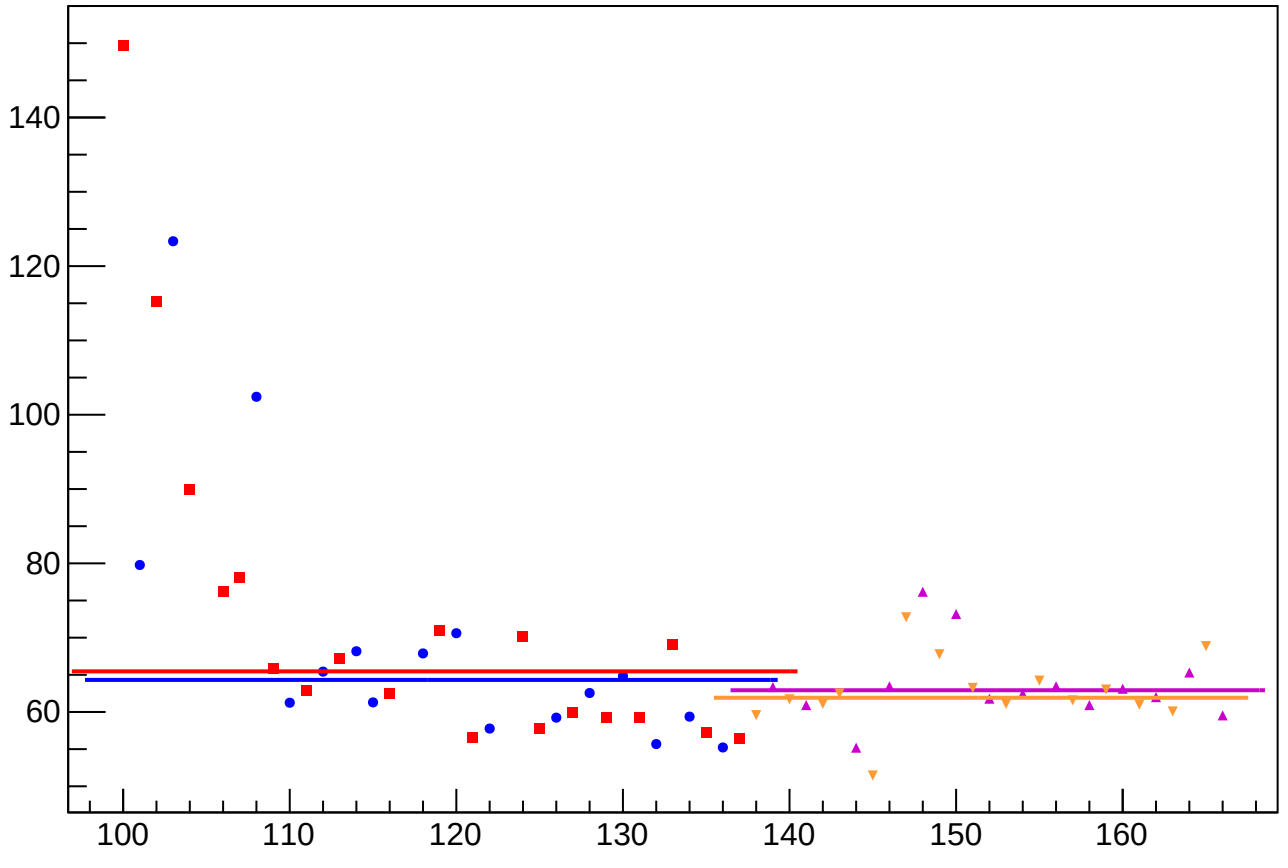
Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 378.300+/-0.064 χ^2/NDF:1929175.6/29

Out: 380.182+/-0.063 χ^2/NDF:2126493.2/33

All: 379.247+/-0.045 χ^2/NDF: 4056109.1/63


dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -78.856+/-18.103 χ²/NDF:38.6/14
Right Out: -6.734+/-24.565 χ²/NDF: 20.3/18
Left In: -115.956+/-18.660 χ²/NDF:11.6/13
Left: -96.844+/-12.993 χ²/NDF: 52.2/28
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -60.027+/-14.839 χ²/NDF:55.7/29
Out: -53.472+/-14.573 χ²/NDF:64.6/33
All: -56.691+/-10.397 χ²/NDF: 120.3/63



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.915+/-0.013 χ^2/NDF:135943.4/14

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.924+/-0.013 χ^2/NDF:131190.9/13

Left: 62.404+/-0.009 χ^2/NDF: 270147.1/28

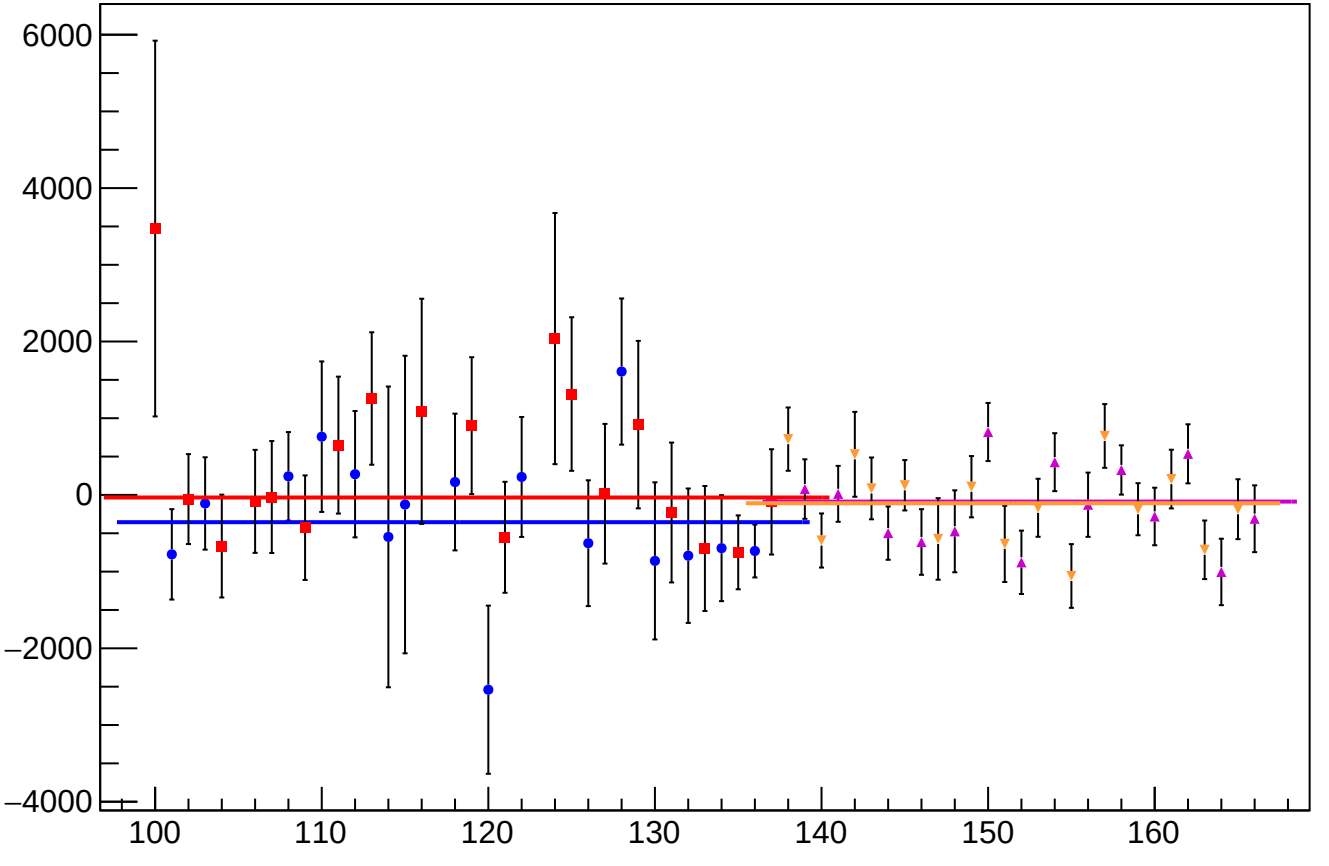
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.436+/-0.010 χ^2/NDF:667348.7/29

Out: 63.165+/-0.010 χ^2/NDF:645387.5/33

All: 63.298+/-0.007 χ^2/NDF: 1313076.1/63

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -108.623+/-103.165 χ^2/NDF:23.3/14

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -86.983+/-104.781 χ^2/NDF:24.2/13

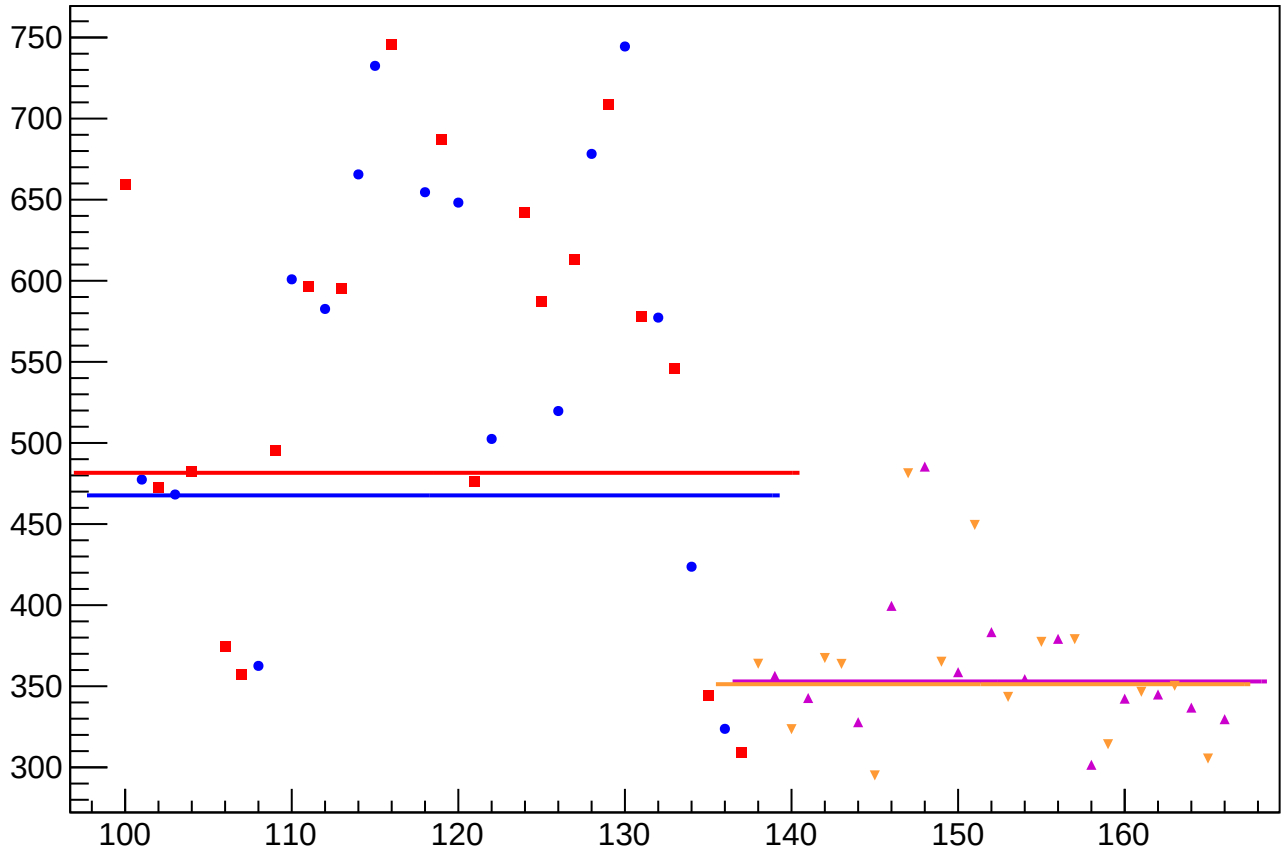
Left: -97.971+/-73.513 χ^2/NDF: 47.5/28

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -154.762+/-90.598 χ^2/NDF:40.7/29

Out: -90.358+/-89.696 χ^2/NDF:38.8/33

All: -122.238+/-63.741 χ^2/NDF: 79.7/63



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 351.267+/-0.073 χ^2/NDF:346078.8/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 352.959+/-0.074 χ^2/NDF:240218.6/13

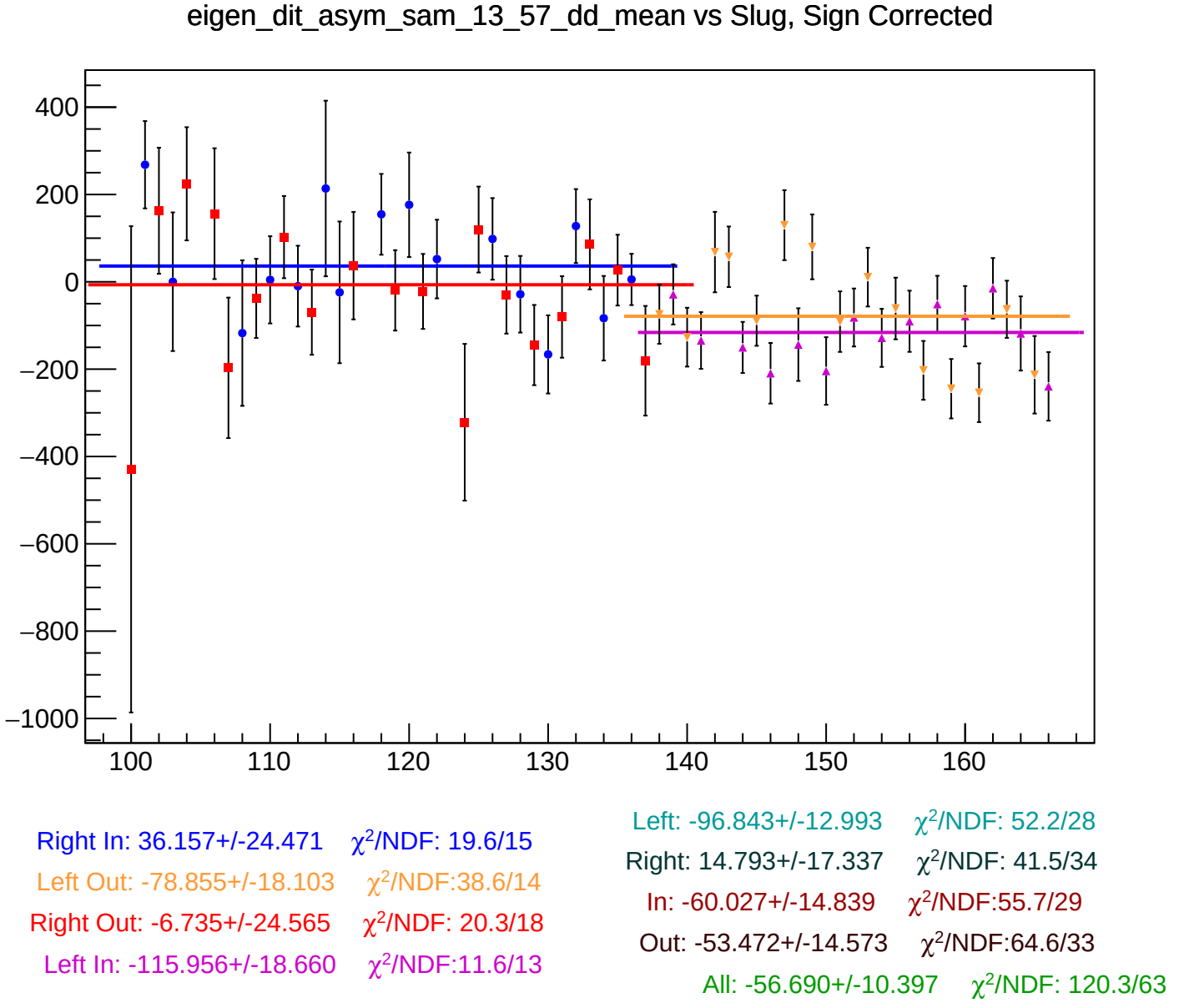
Left: 352.099+/-0.052 χ^2/NDF: 586562.2/28

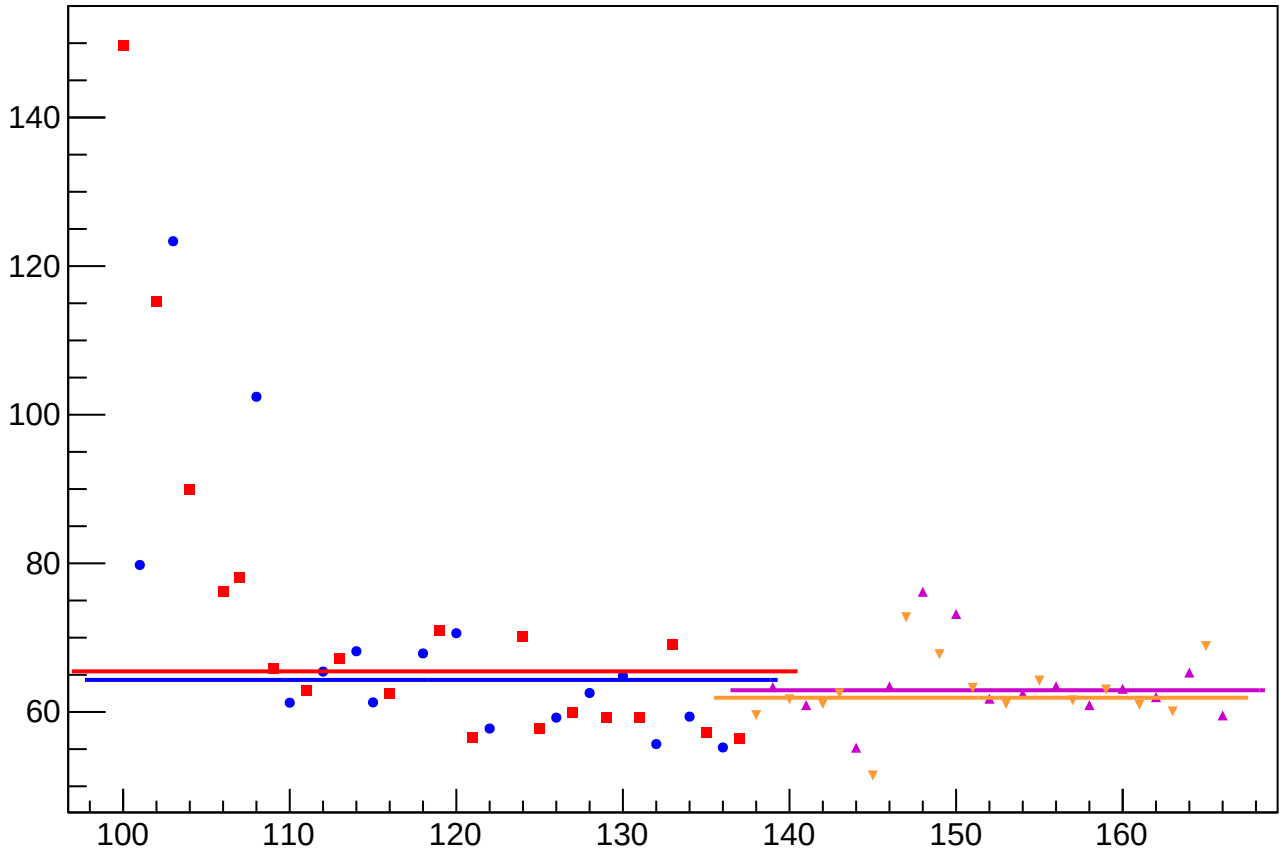
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 381.912+/-0.064 χ^2/NDF:1831213.7/29

Out: 383.076+/-0.063 χ^2/NDF:1979435.1/33

All: 382.500+/-0.045 χ^2/NDF: 3810815.5/63


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -78.855+/-18.103 χ²/NDF:38.6/14
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -115.956+/-18.660 χ²/NDF:11.6/13
Left: -96.843+/-12.993 χ²/NDF: 52.2/28
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -60.027+/-14.839 χ²/NDF:55.7/29
Out: -53.472+/-14.573 χ²/NDF:64.6/33
All: -56.690+/-10.397 χ²/NDF: 120.3/63



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.915+/-0.013 χ^2/NDF:135947.0/14

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.924+/-0.013 χ^2/NDF:131194.4/13

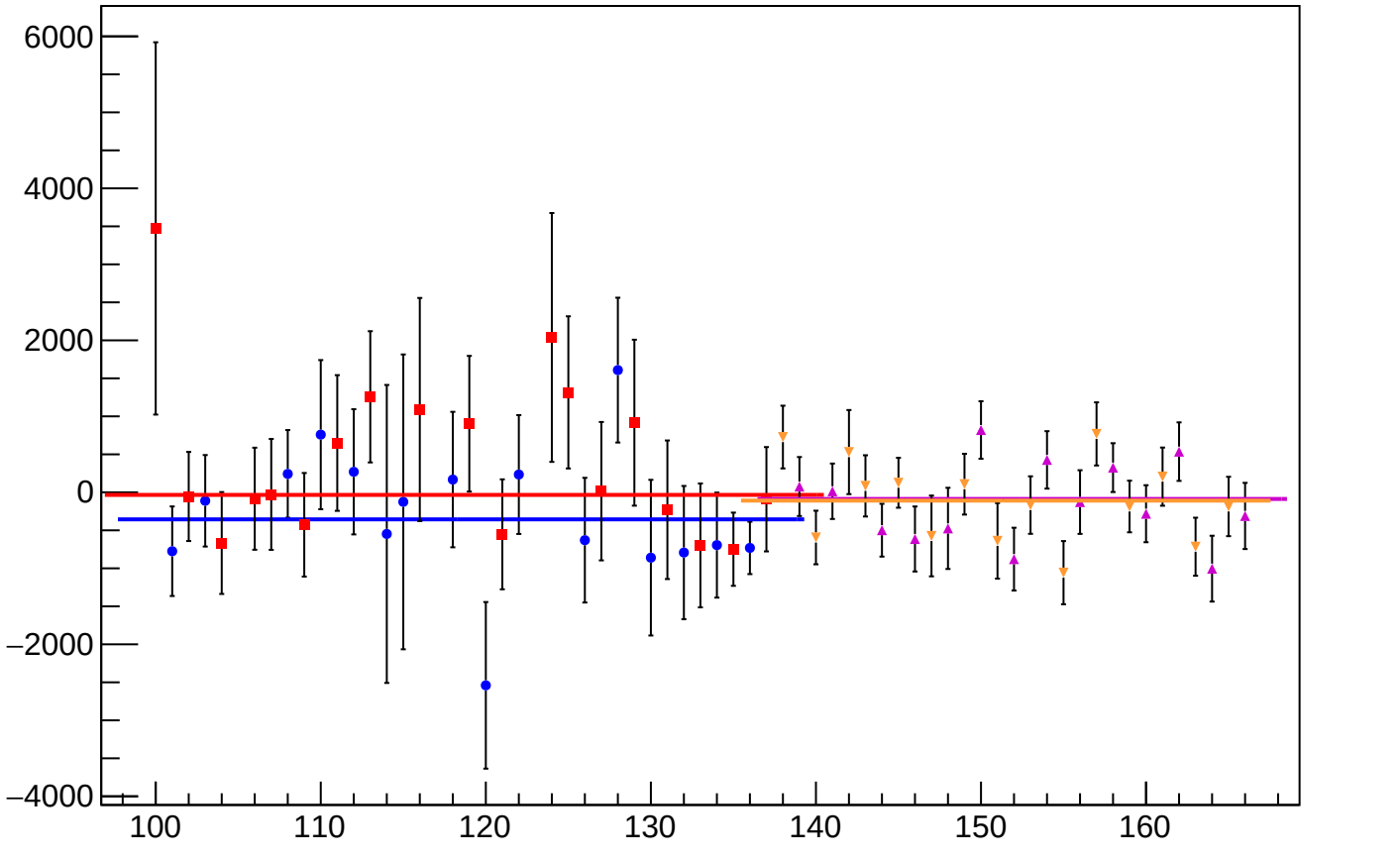
Left: 62.404+/-0.009 χ^2/NDF: 270153.9/28

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

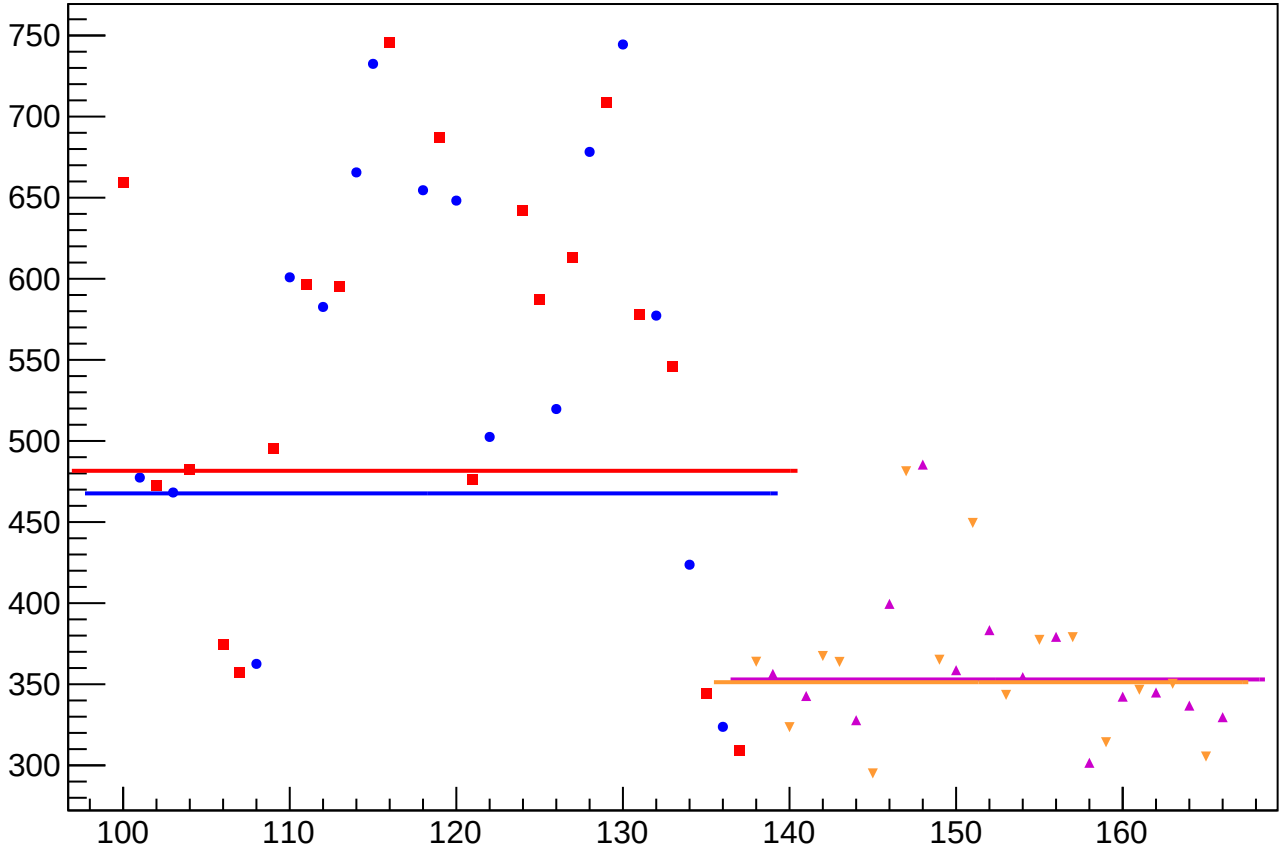
In: 63.436+/-0.010 χ^2/NDF:667359.7/29

Out: 63.165+/-0.010 χ^2/NDF:645394.7/33

All: 63.298+/-0.007 χ^2/NDF: 1313094.2/63


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -108.623+/-103.165 χ²/NDF:23.3/14
Right Out: -33.787+/-181.560 χ²/NDF: 15.4/18
Left In: -86.983+/-104.781 χ²/NDF:24.2/13
Left: -97.971+/-73.513 χ²/NDF: 47.5/28
Right: -195.748+/-127.947 χ²/NDF: 31.8/34
In: -154.762+/-90.598 χ²/NDF:40.7/29
Out: -90.358+/-89.696 χ²/NDF:38.8/33
All: -122.238+/-63.741 χ²/NDF: 79.7/63

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 351.267+/-0.073 χ^2/NDF:346078.3/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 352.959+/-0.074 χ^2/NDF:240220.1/13

Left: 352.099+/-0.052 χ^2/NDF: 586563.1/28

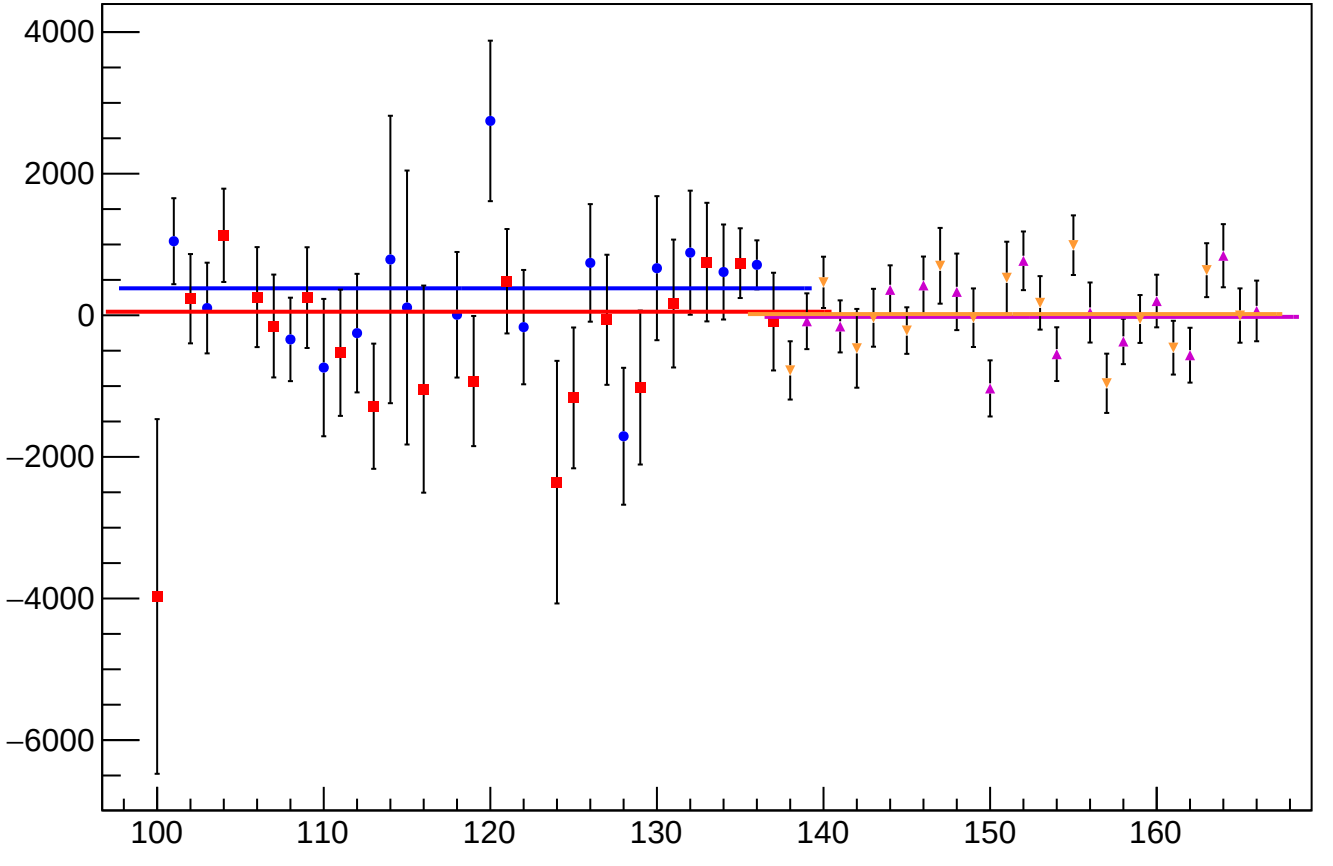
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 381.912+/-0.064 χ^2/NDF:1831211.3/29

Out: 383.076+/-0.063 χ^2/NDF:1979425.3/33

All: 382.500+/-0.045 χ^2/NDF: 3810803.4/63

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 17.059+/-103.745 χ^2/NDF:24.4/14

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -22.286+/-105.155 χ^2/NDF:22.4/13

Left: -2.348+/-73.852 χ^2/NDF: 46.9/28

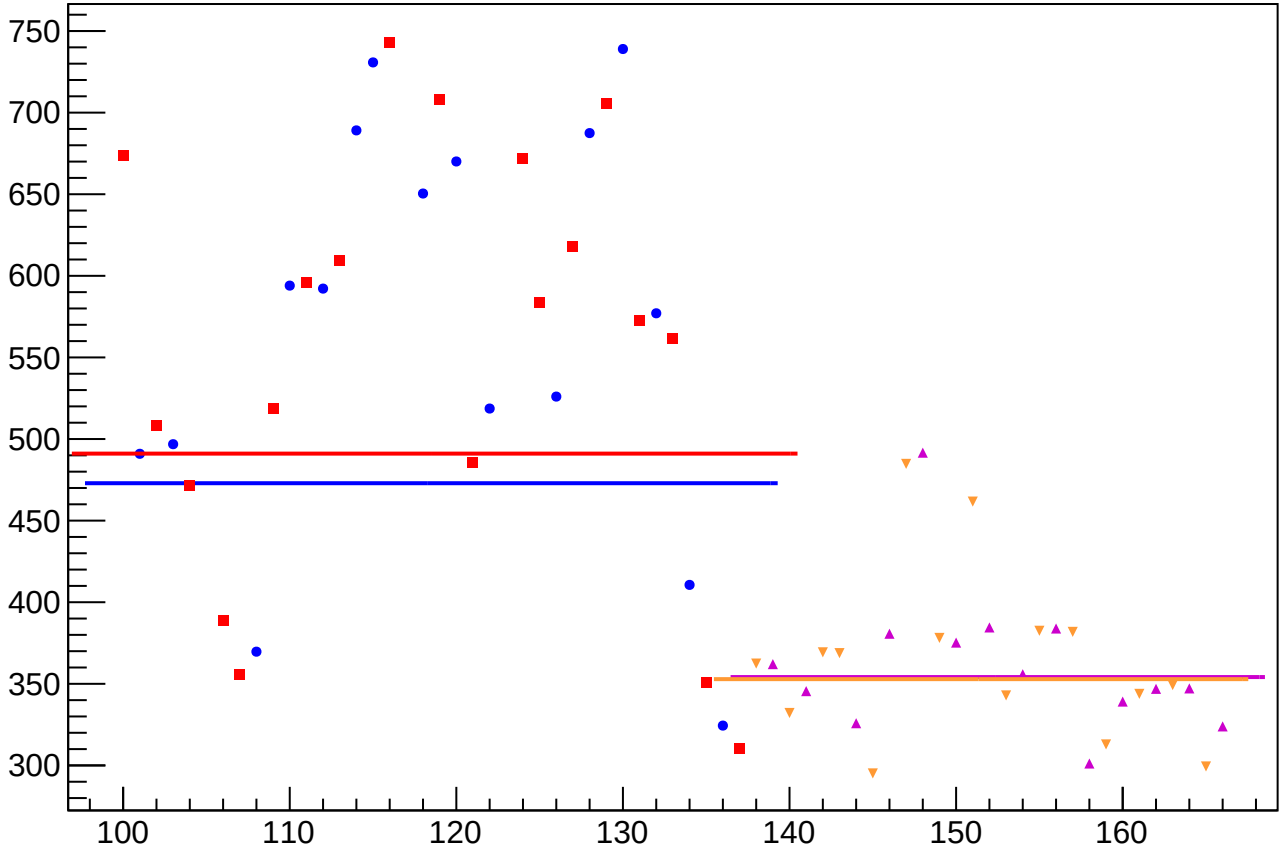
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 78.125+/-91.132 χ^2/NDF:42.2/29

Out: 25.016+/-90.519 χ^2/NDF:41.9/33

All: 51.391+/-64.222 χ^2/NDF: 84.3/63

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.872+/-0.073 χ^2/NDF:383433.0/14

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 354.145+/-0.074 χ^2/NDF:248456.3/13

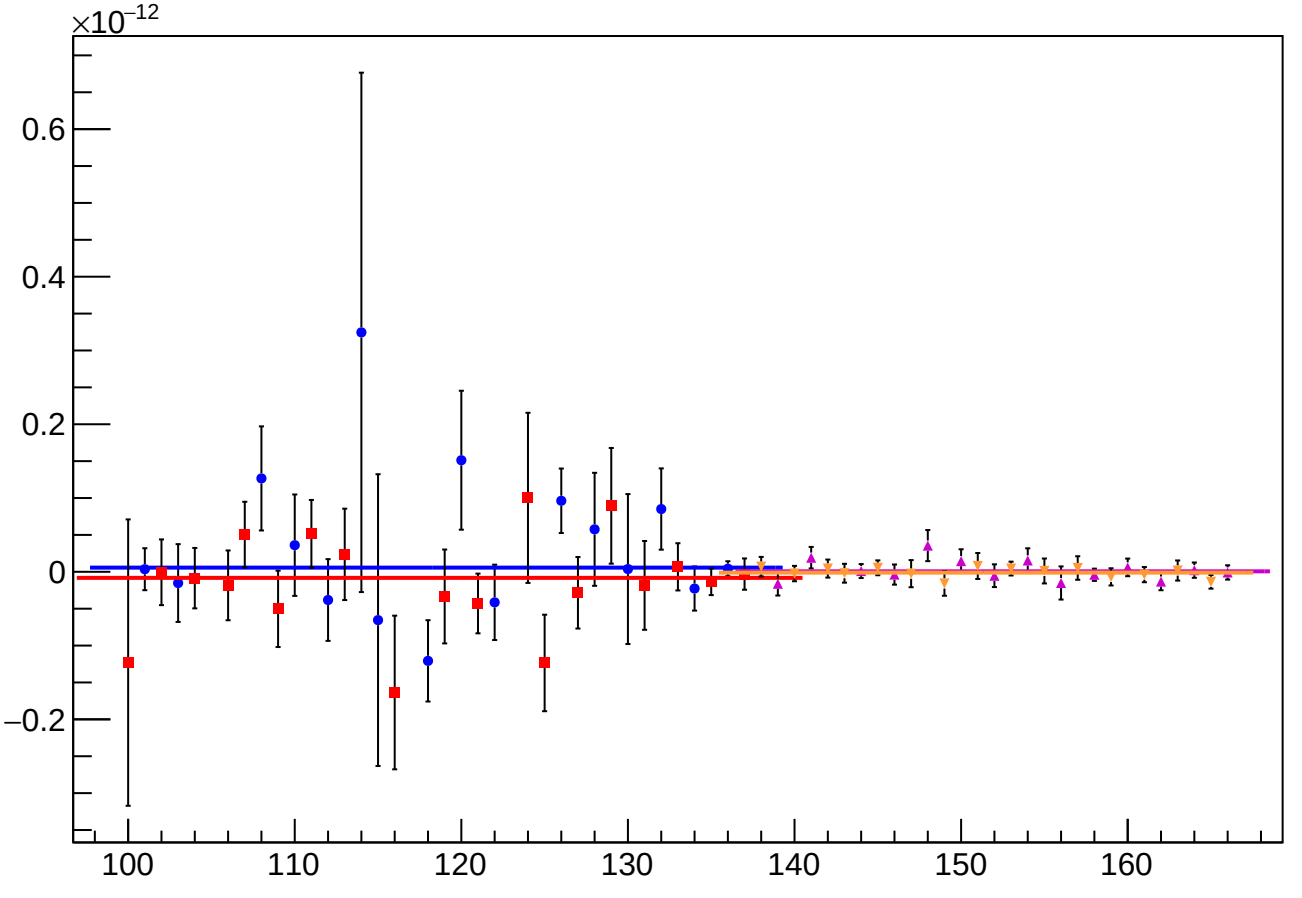
Left: 353.500+/-0.052 χ^2/NDF: 632037.9/28

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 383.713+/-0.064 χ^2/NDF:1883954.5/29

Out: 385.862+/-0.064 χ^2/NDF:2078070.3/33

All: 384.795+/-0.045 χ^2/NDF: 3962584.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

Left: -0.000+/-0.000 χ^2/NDF: 14.6/28

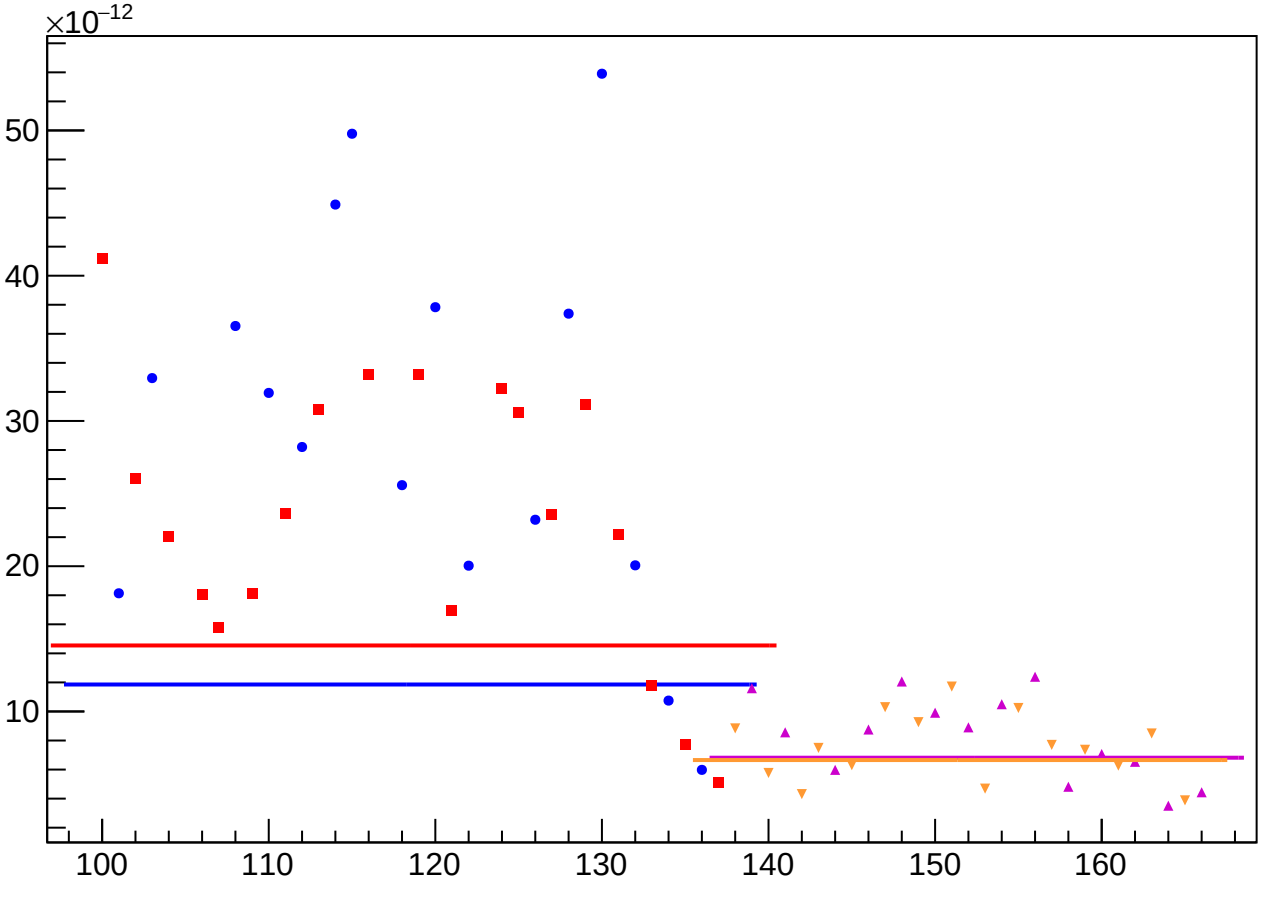
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.2/29

Out: -0.000+/-0.000 χ^2/NDF:19.3/33

All: -0.000+/-0.000 χ^2/NDF: 51.0/63

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:859911.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1162830.7/13

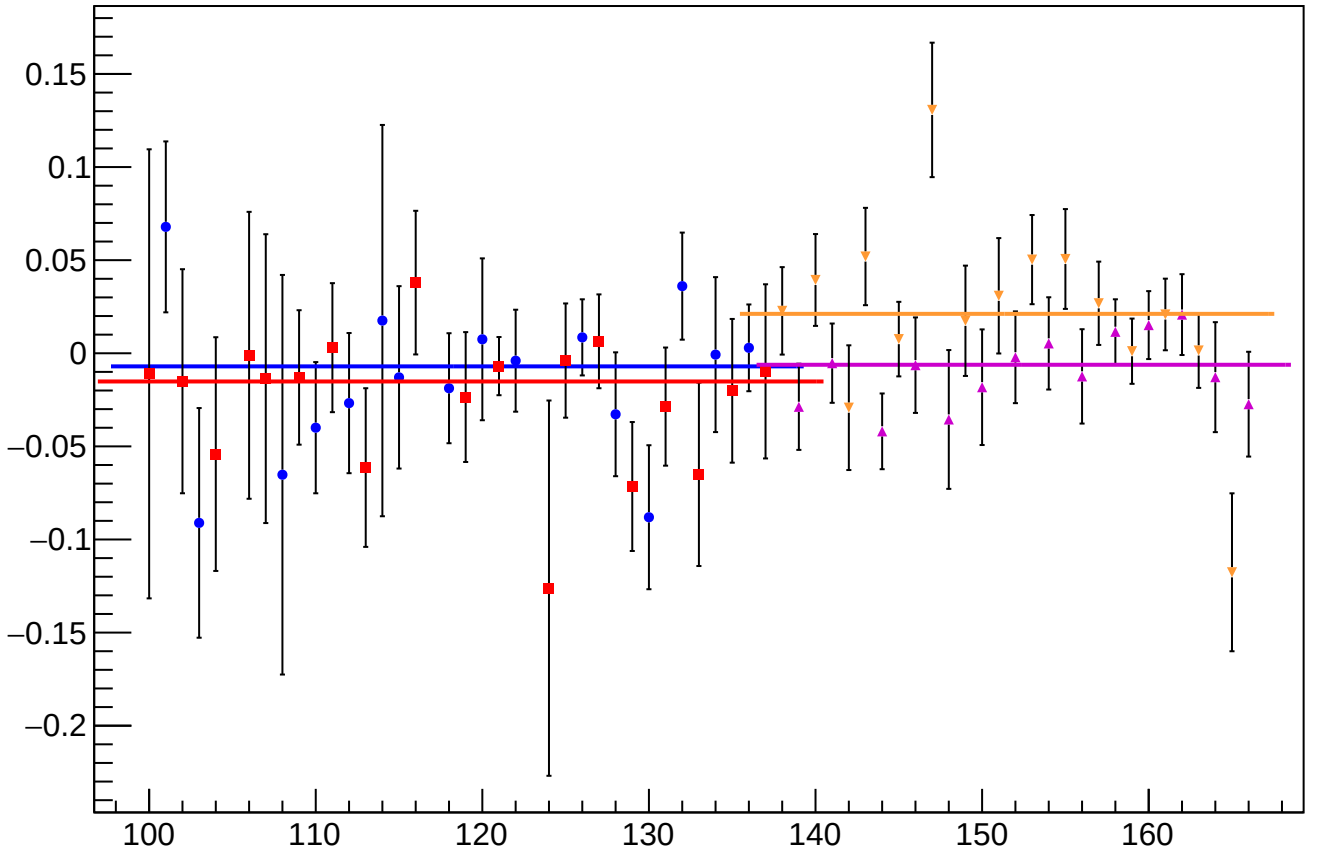
Left: 0.000+/-0.000 χ^2/NDF: 2025195.9/28

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:4672675.9/29

Out: 0.000+/-0.000 χ^2/NDF:3921833.8/33

All: 0.000+/-0.000 χ^2/NDF: 8595076.1/63



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.006+/-0.006 χ^2/NDF:9.7/13

Left: 0.007+/-0.004 χ^2/NDF: 48.9/28

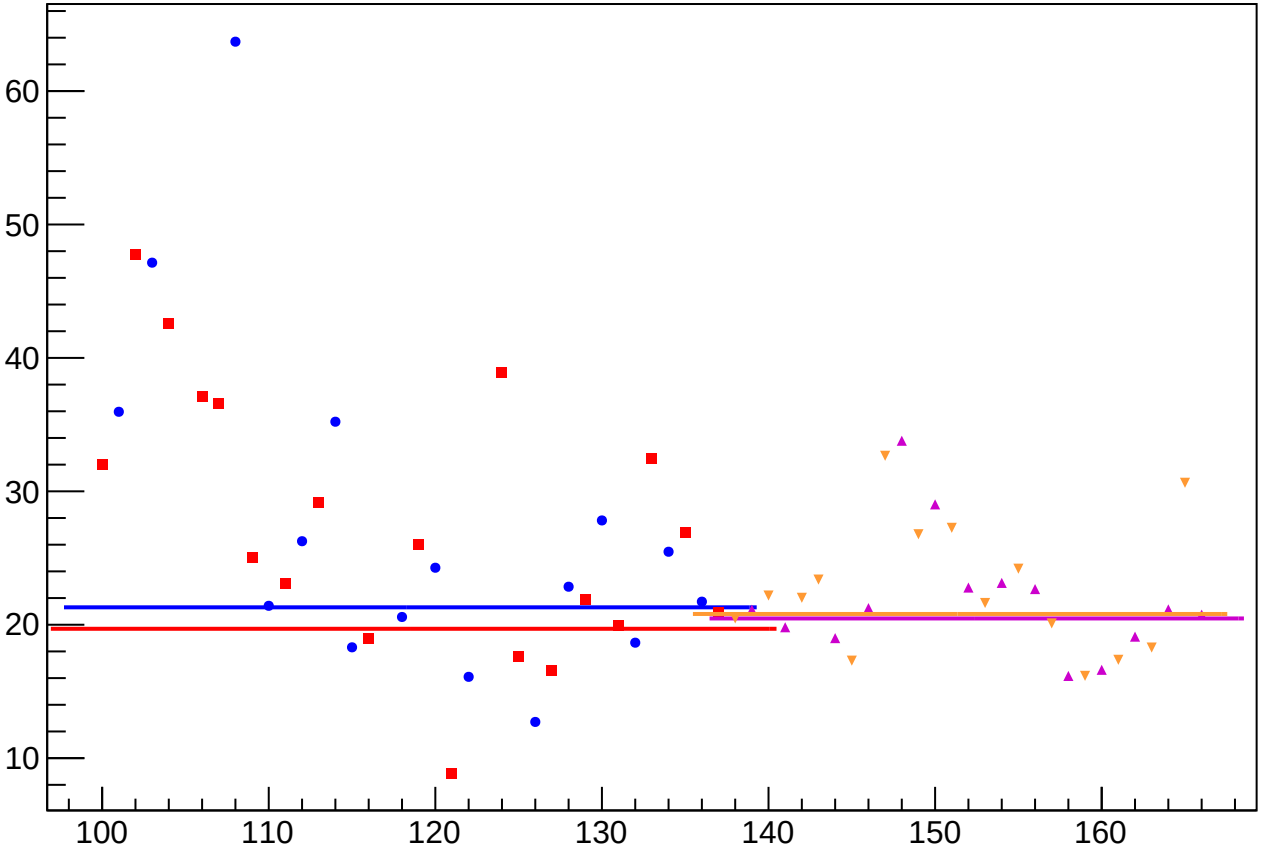
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:24.0/29

Out: 0.008+/-0.005 χ^2/NDF:52.1/33

All: 0.001+/-0.004 χ^2/NDF: 80.1/63

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.471+/-0.004 χ^2/NDF:698988.4/13

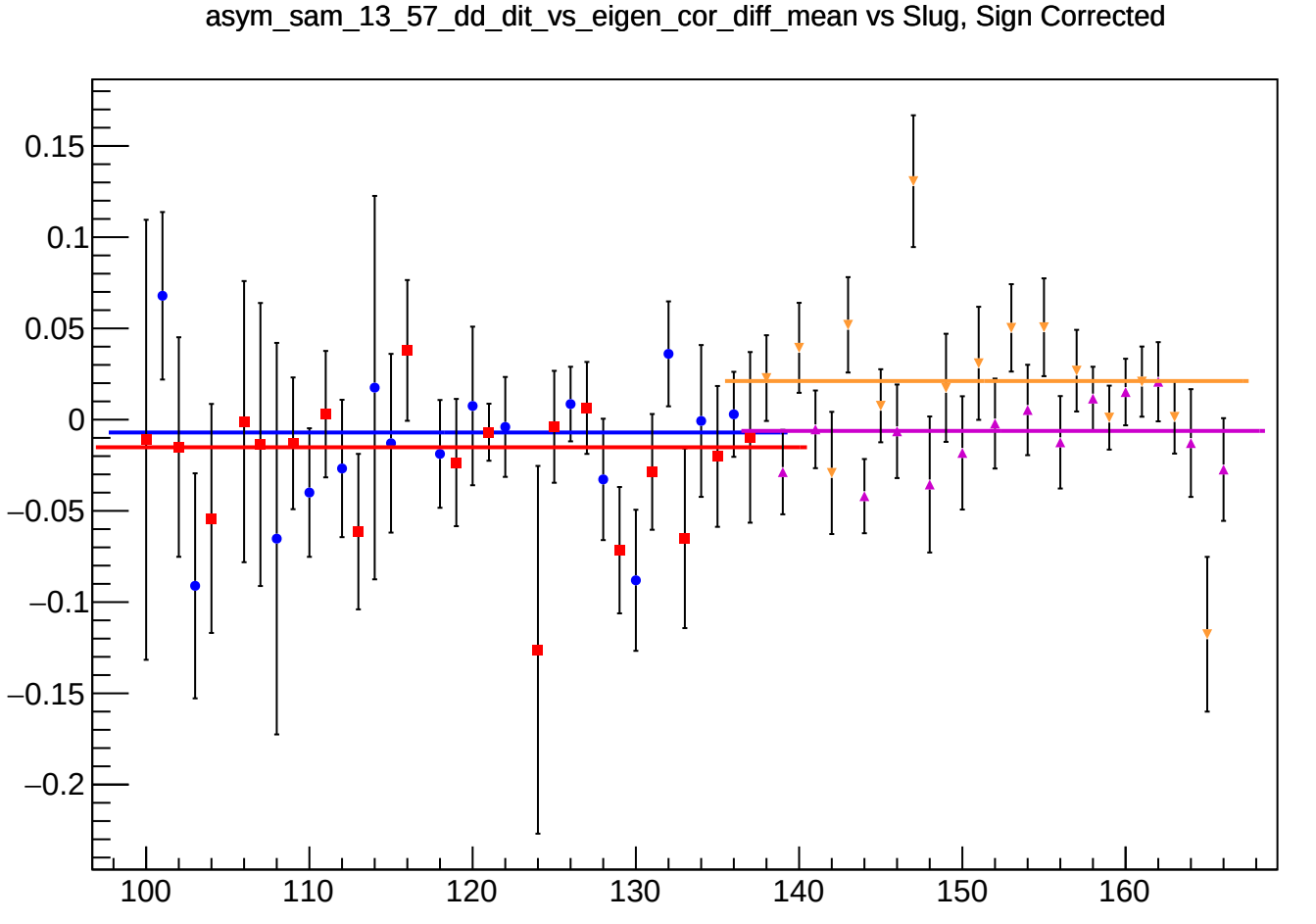
Left: 20.639+/-0.003 χ^2/NDF: 1555029.4/28

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

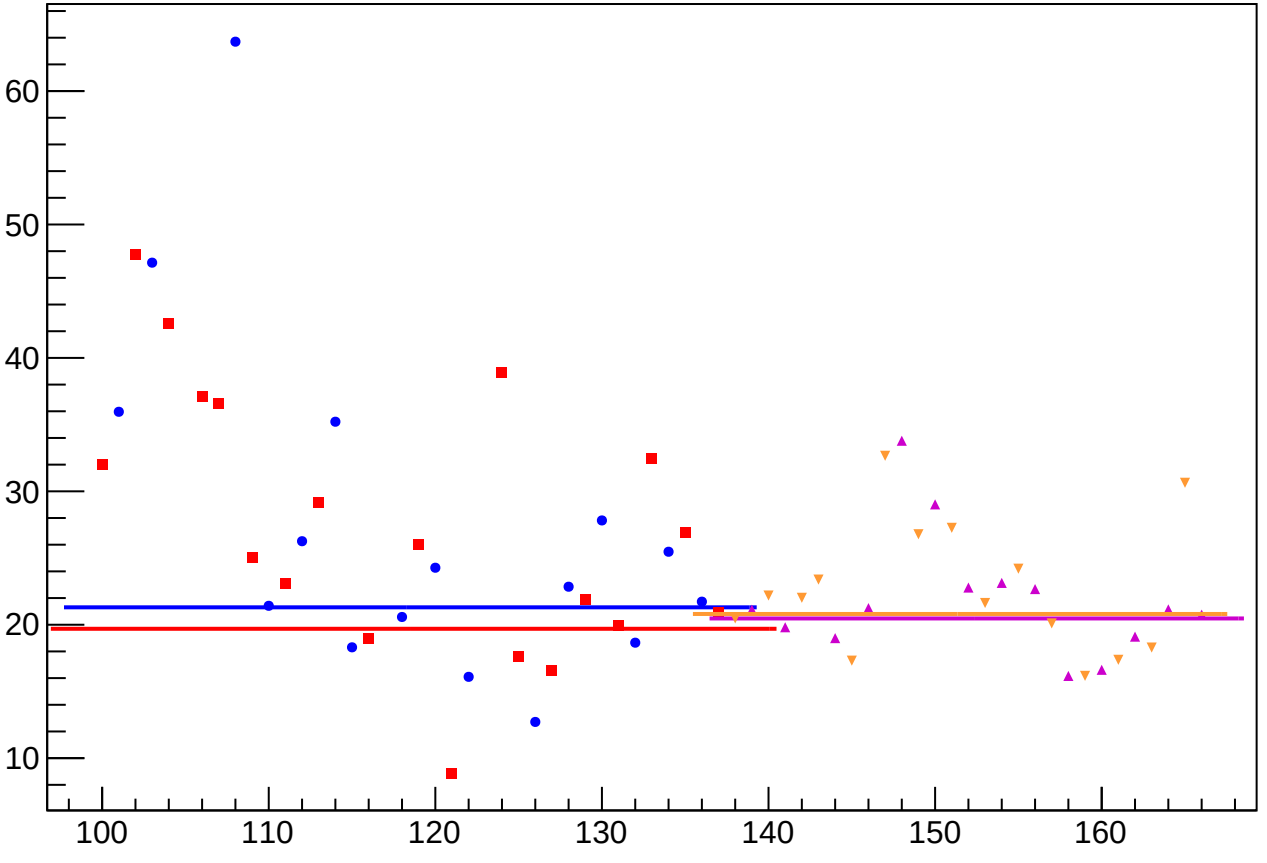
In: 20.759+/-0.004 χ^2/NDF:2190639.5/29

Out: 20.398+/-0.004 χ^2/NDF:3315170.8/33

All: 20.576+/-0.003 χ^2/NDF: 5510960.6/63


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.006 χ²/NDF:29.7/14
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.006+/-0.006 χ²/NDF:9.7/13
Left: 0.007+/-0.004 χ²/NDF: 48.9/28
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:24.0/29
Out: 0.008+/-0.005 χ²/NDF:52.1/33
All: 0.001+/-0.004 χ²/NDF: 80.1/63

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.471+/-0.004 χ^2/NDF:698988.4/13

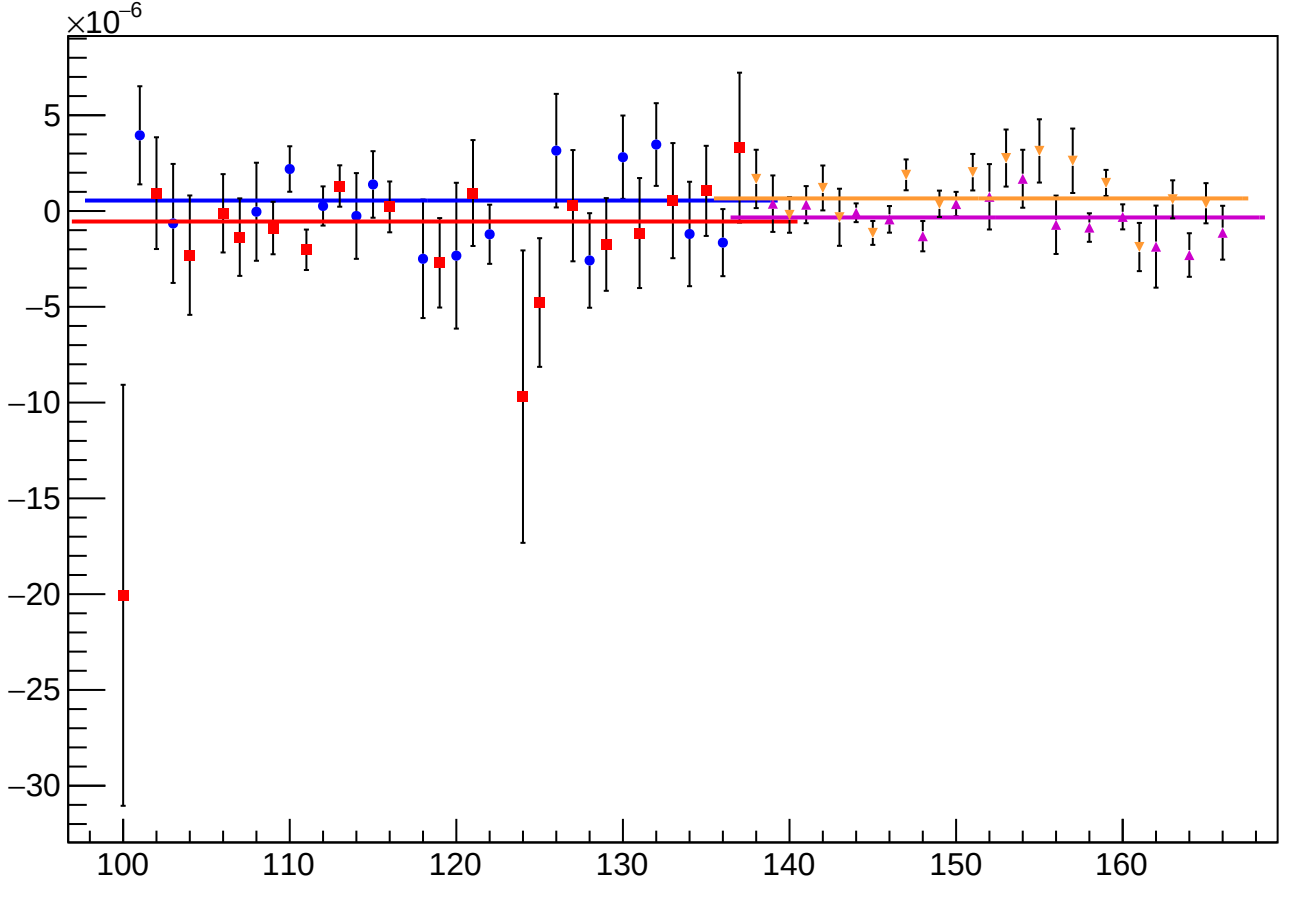
Left: 20.639+/-0.003 χ^2/NDF: 1555029.4/28

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/29

Out: 20.398+/-0.004 χ^2/NDF:3315170.8/33

All: 20.576+/-0.003 χ^2/NDF: 5510960.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/13

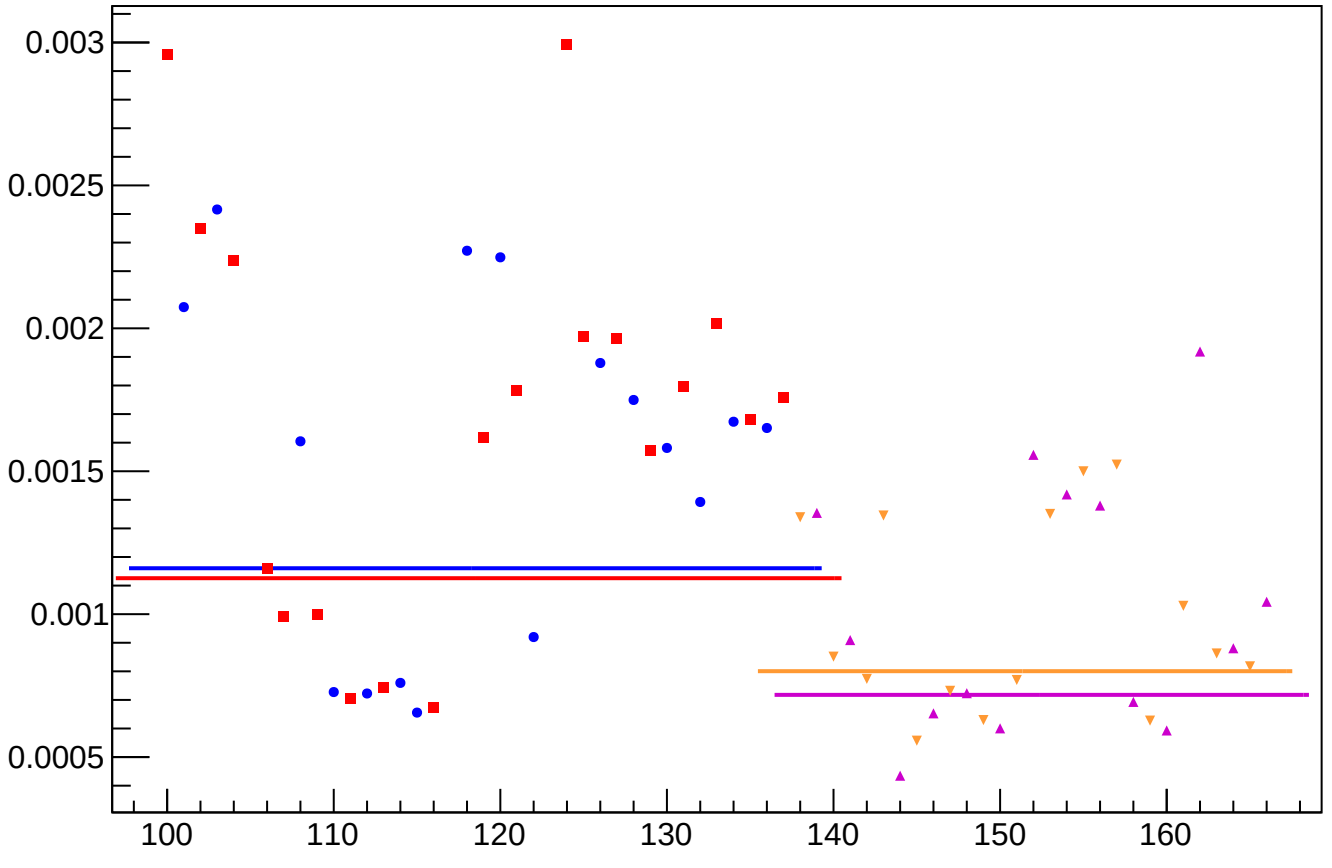
Left: 0.000+/-0.000 χ^2/NDF: 44.8/28

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/29

Out: 0.000+/-0.000 χ^2/NDF:46.7/33

All: 0.000+/-0.000 χ^2/NDF: 77.5/63



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2172612.0/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3347880.6/13

Left: 0.001+/-0.000 χ^2/NDF: 5638733.9/28

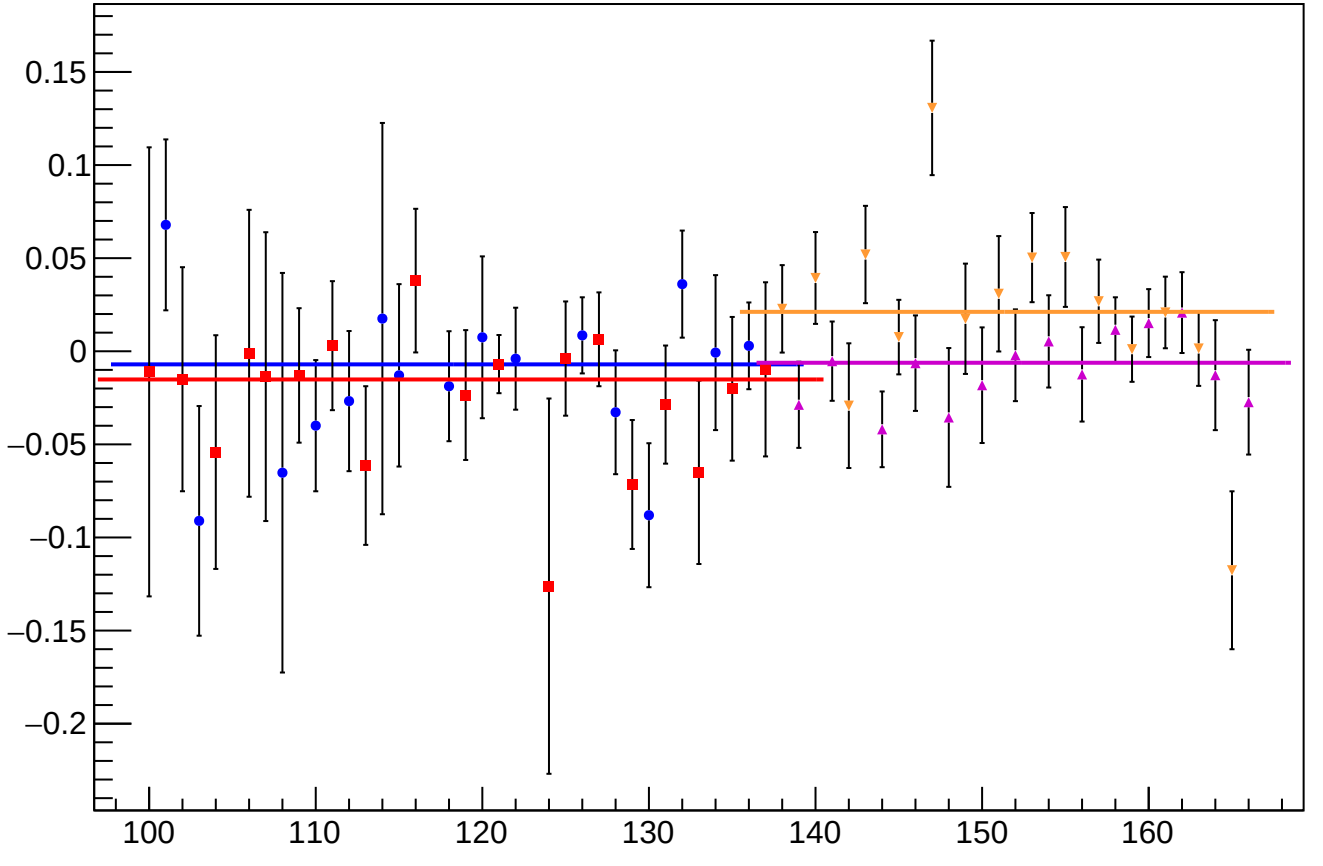
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7270741.5/29

Out: 0.001+/-0.000 χ^2/NDF:5572235.2/33

All: 0.001+/-0.000 χ^2/NDF: 12961330.6/63

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.006+/-0.006 χ^2/NDF:9.7/13

Left: 0.007+/-0.004 χ^2/NDF: 48.9/28

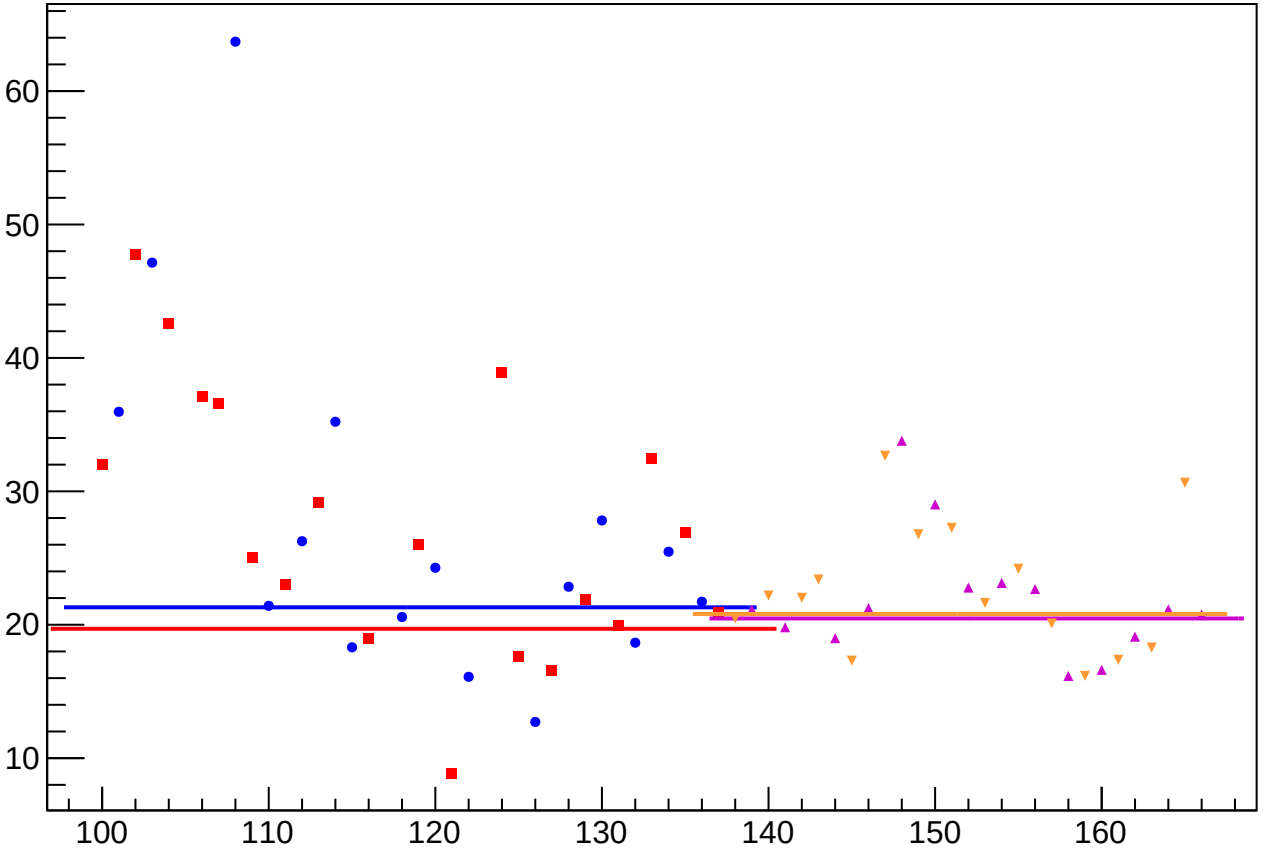
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:24.0/29

Out: 0.008+/-0.005 χ^2/NDF:52.1/33

All: 0.001+/-0.004 χ^2/NDF: 80.1/63

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.471+/-0.004 χ^2/NDF:699103.9/13

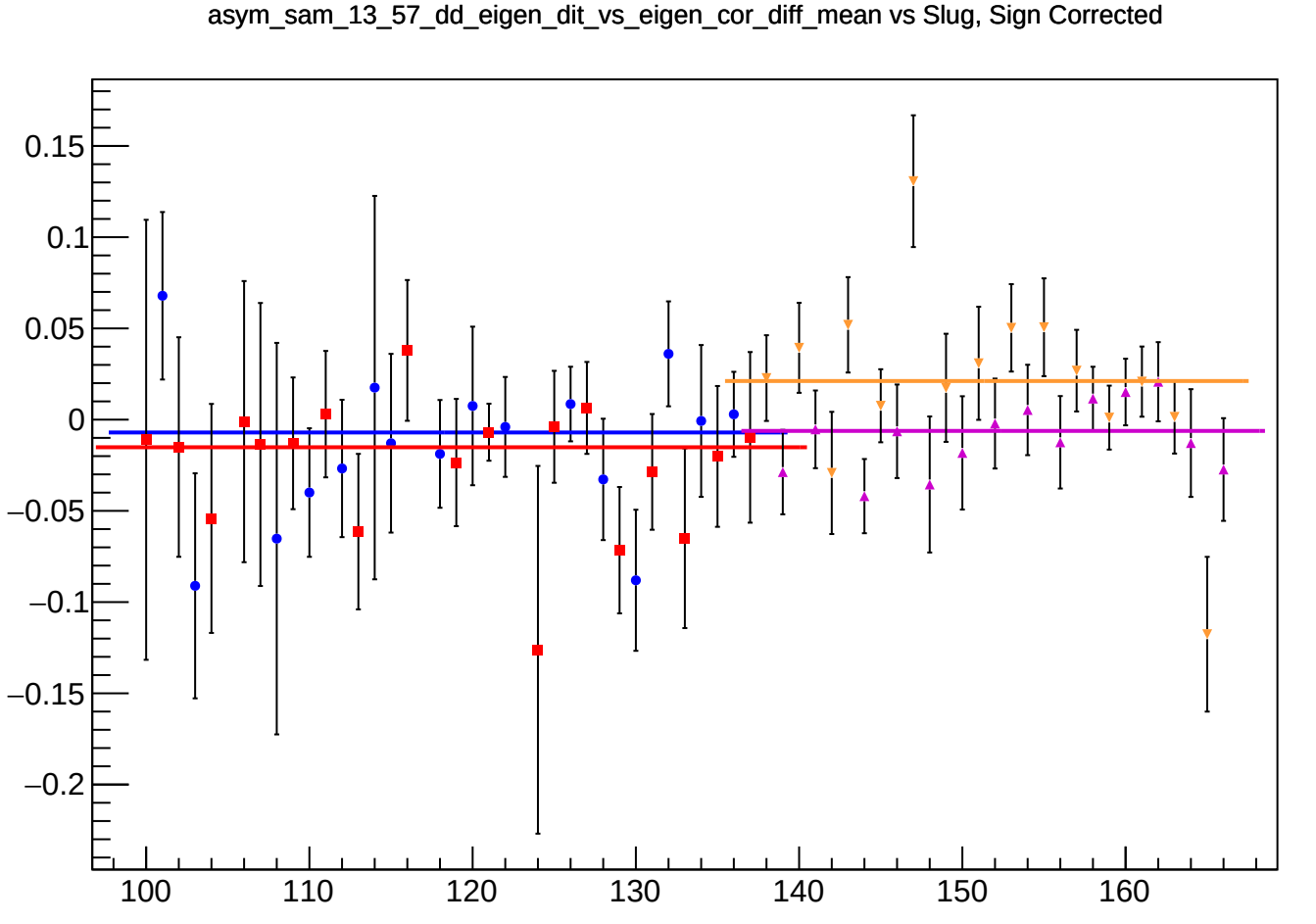
Left: 20.639+/-0.003 χ^2/NDF: 1555280.6/28

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

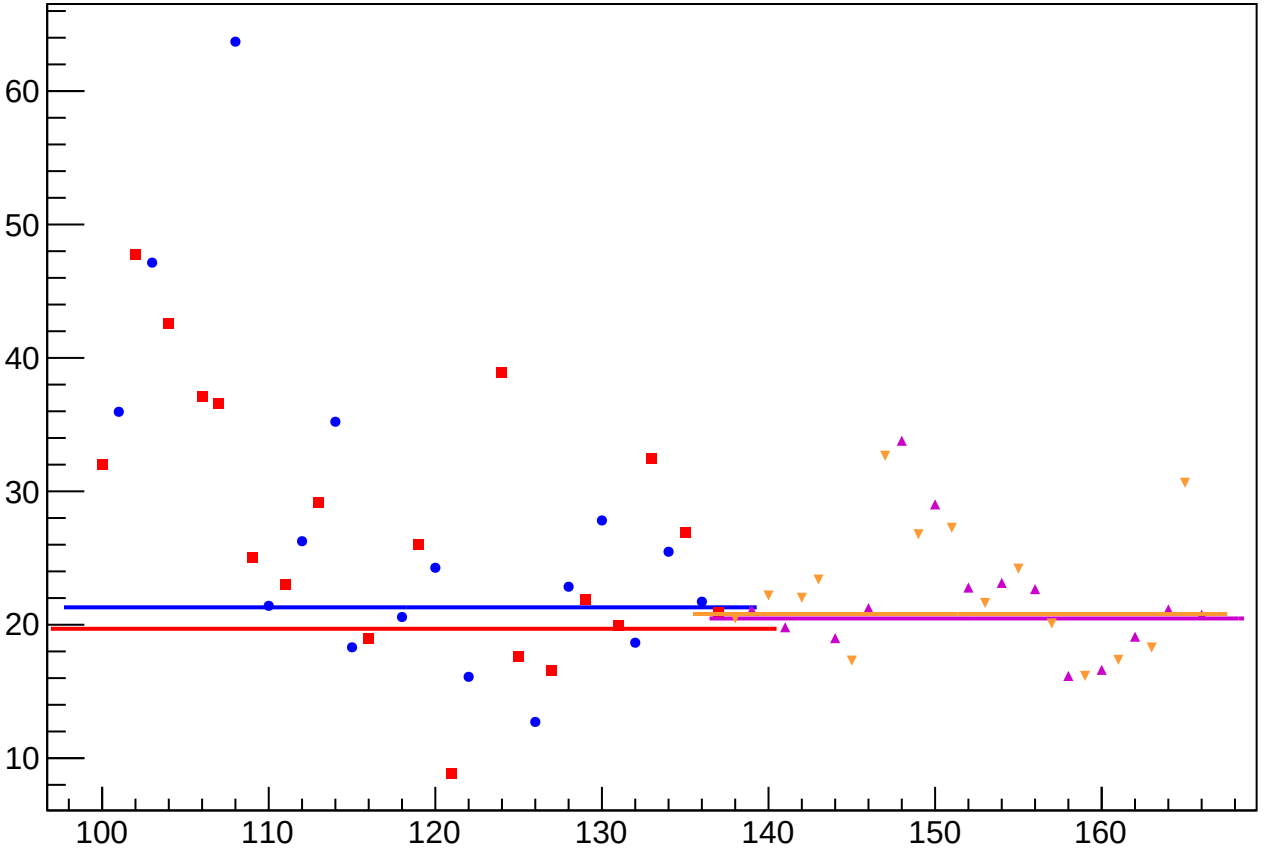
In: 20.759+/-0.004 χ^2/NDF:2190599.9/29

Out: 20.399+/-0.004 χ^2/NDF:3314908.7/33

All: 20.576+/-0.003 χ^2/NDF: 5510653.7/63


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.006 χ²/NDF:29.7/14
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.006+/-0.006 χ²/NDF:9.7/13
Left: 0.007+/-0.004 χ²/NDF: 48.9/28
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:24.0/29
Out: 0.008+/-0.005 χ²/NDF:52.1/33
All: 0.001+/-0.004 χ²/NDF: 80.1/63

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.471+/-0.004 χ^2/NDF:699103.9/13

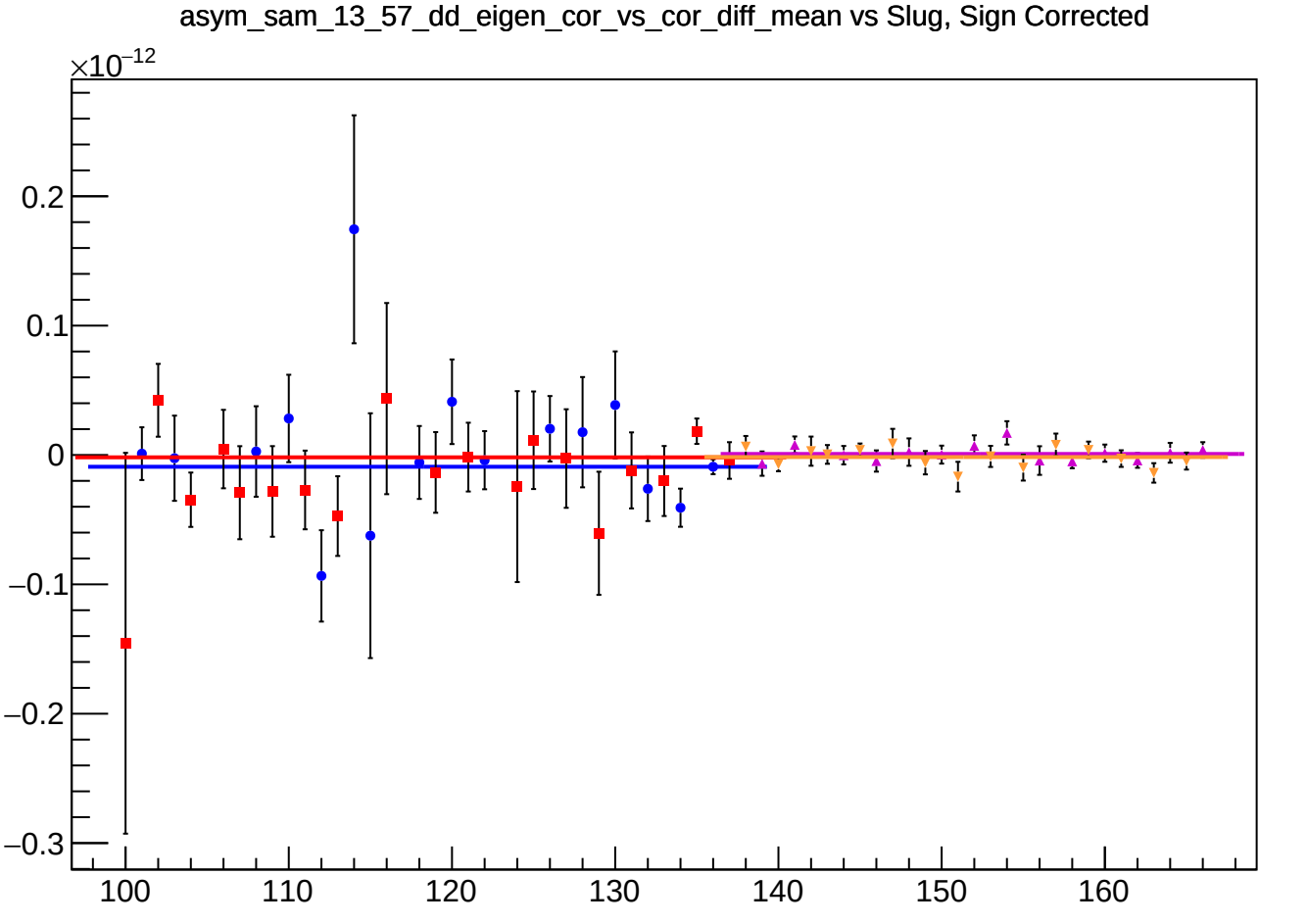
Left: 20.639+/-0.003 χ^2/NDF: 1555280.6/28

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/29

Out: 20.399+/-0.004 χ^2/NDF:3314908.7/33

All: 20.576+/-0.003 χ^2/NDF: 5510653.7/63



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/13

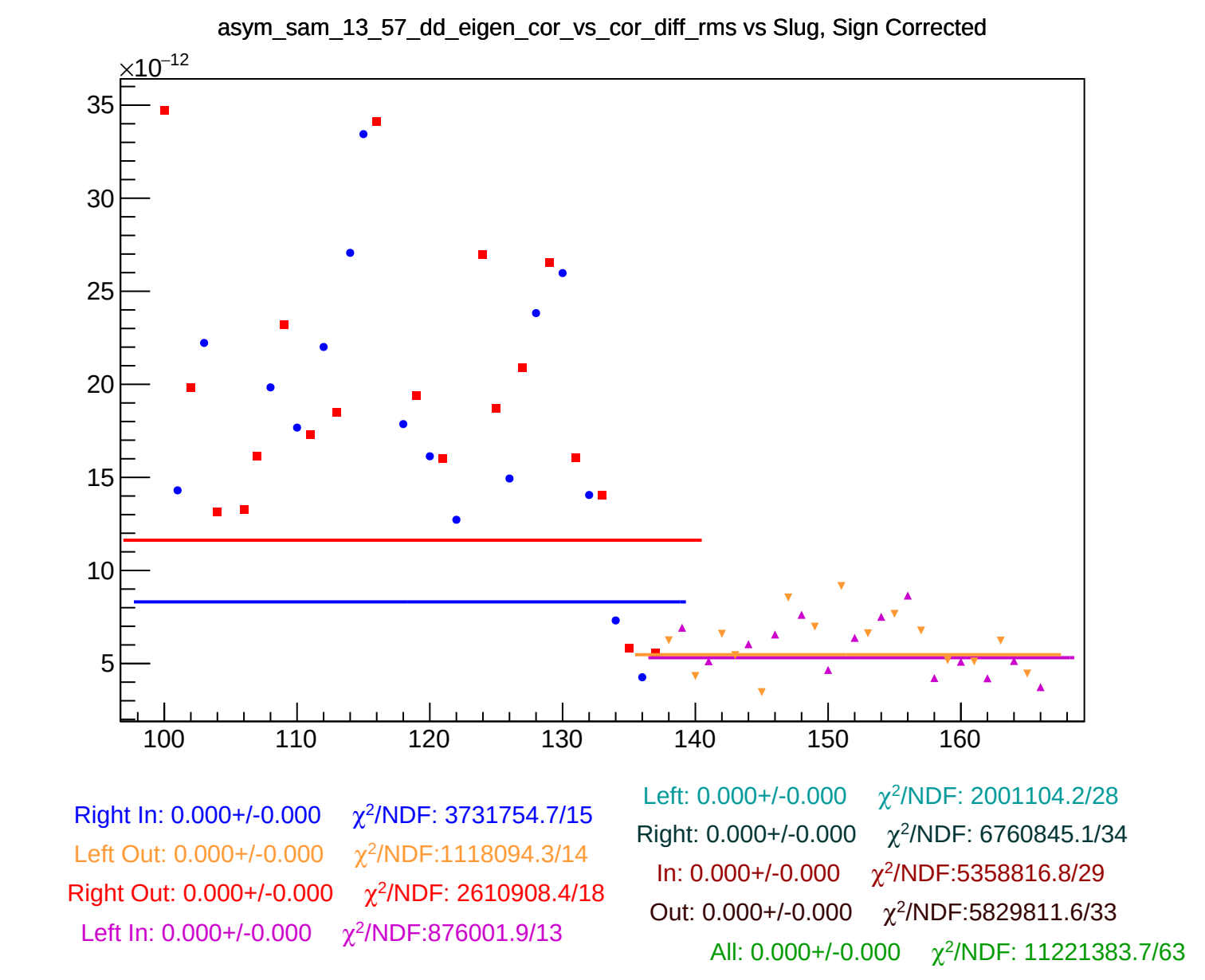
Left: -0.000+/-0.000 χ^2/NDF: 21.1/28

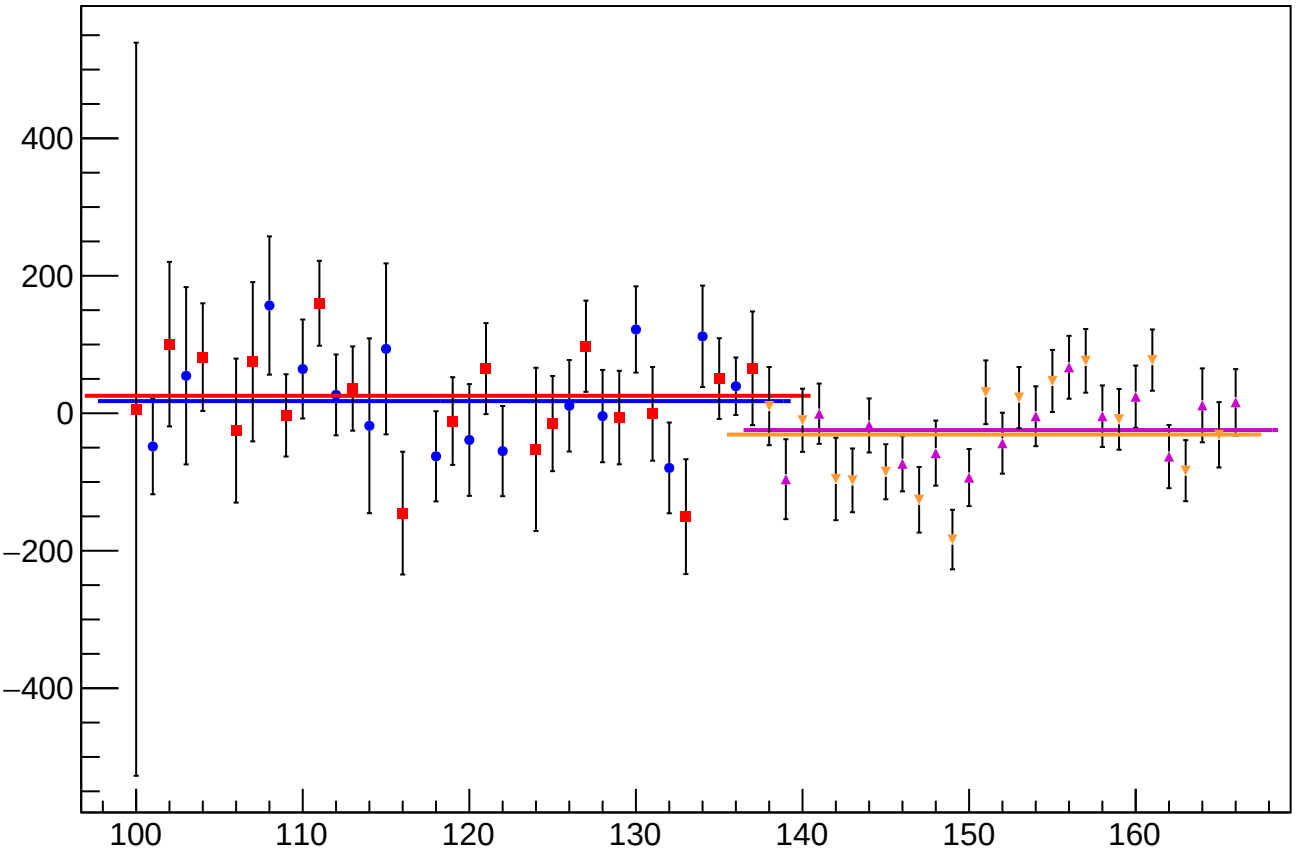
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:35.2/29

Out: -0.000+/-0.000 χ^2/NDF:28.8/33

All: -0.000+/-0.000 χ^2/NDF: 64.1/63


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1118094.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:876001.9/13
Left: 0.000+/-0.000 χ²/NDF: 2001104.2/28
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:5358816.8/29
Out: 0.000+/-0.000 χ²/NDF:5829811.6/33
All: 0.000+/-0.000 χ²/NDF: 11221383.7/63



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.990+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -24.409+/-12.077 χ^2/NDF:14.2/13

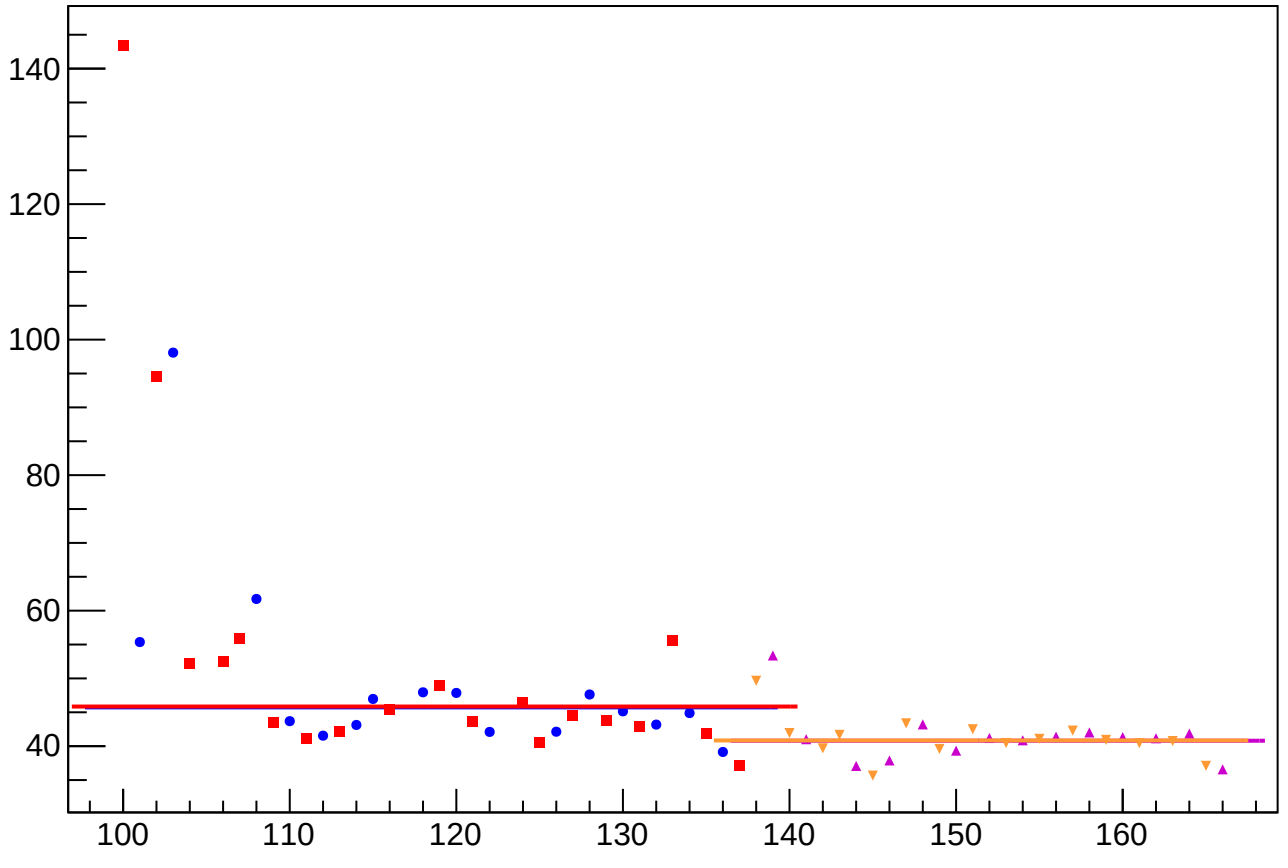
Left: -27.736+/-8.492 χ^2/NDF: 55.6/28

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -10.793+/-9.934 χ^2/NDF:32.1/29

Out: -12.827+/-9.836 χ^2/NDF:66.3/33

All: -11.820+/-6.989 χ^2/NDF: 98.4/63



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

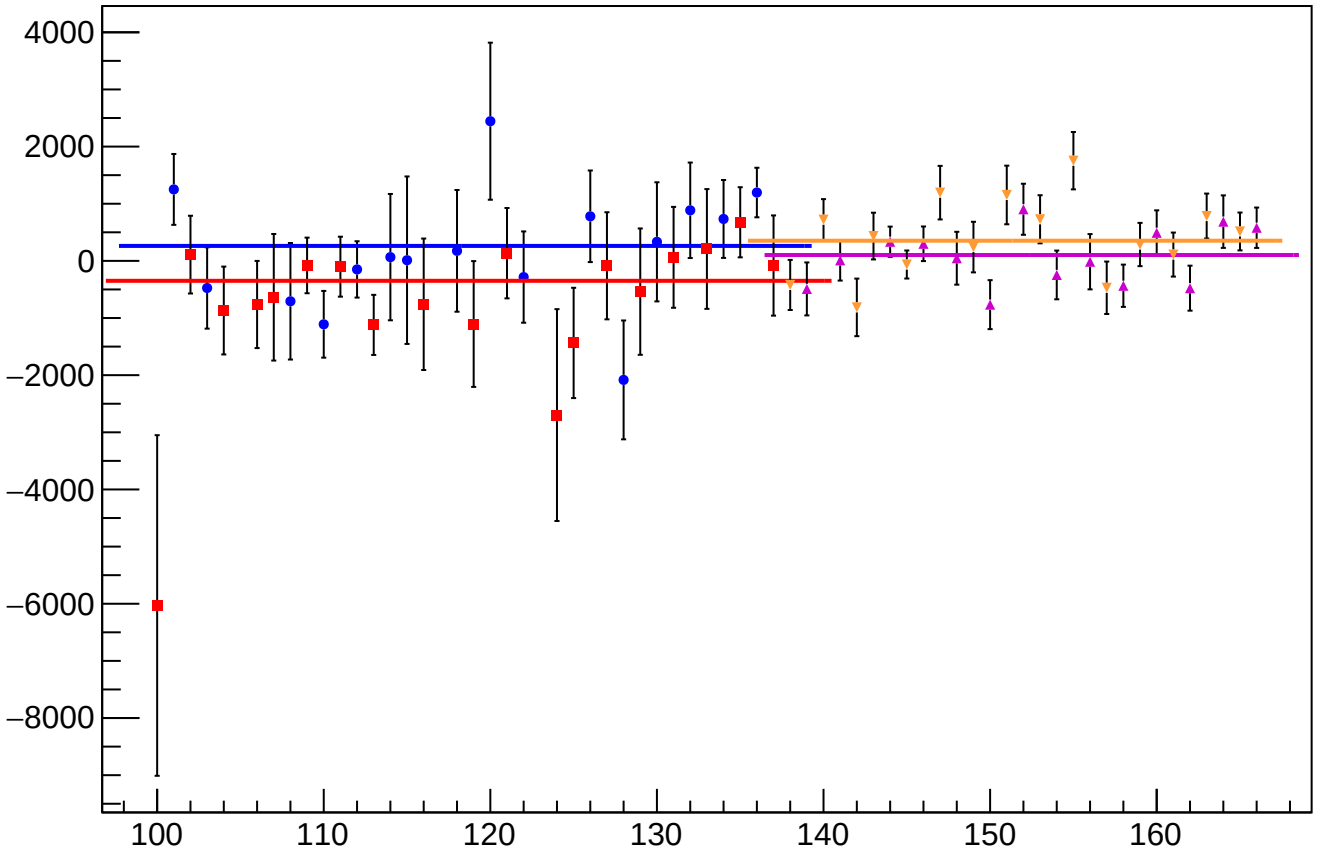
Left: 40.824+/-0.006 χ^2/NDF: 257002.6/28

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.395+/-0.007 χ^2/NDF:757248.8/29

Out: 42.456+/-0.007 χ^2/NDF:761853.3/33

All: 42.426+/-0.005 χ^2/NDF: 1519140.3/63



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 353.115+/-101.751 χ^2/NDF:31.8/14

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

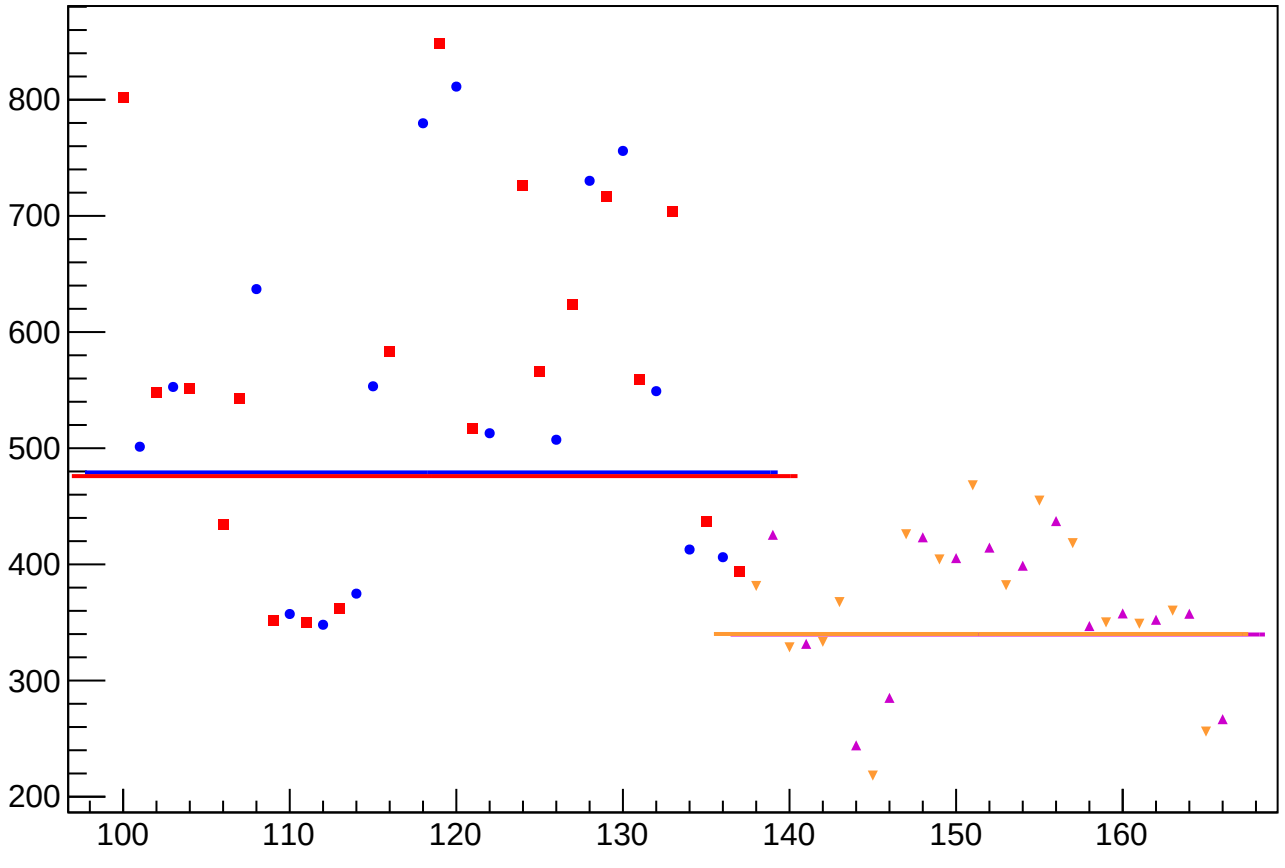
Left: 228.426+/-72.109 χ^2/NDF: 54.5/28

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 139.813+/-89.484 χ^2/NDF:45.2/29

Out: 184.137+/-88.659 χ^2/NDF:58.2/33

All: 162.180+/-62.981 χ^2/NDF: 103.5/63



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075157.2/14

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 339.646+/-0.072 χ^2/NDF:778482.5/13

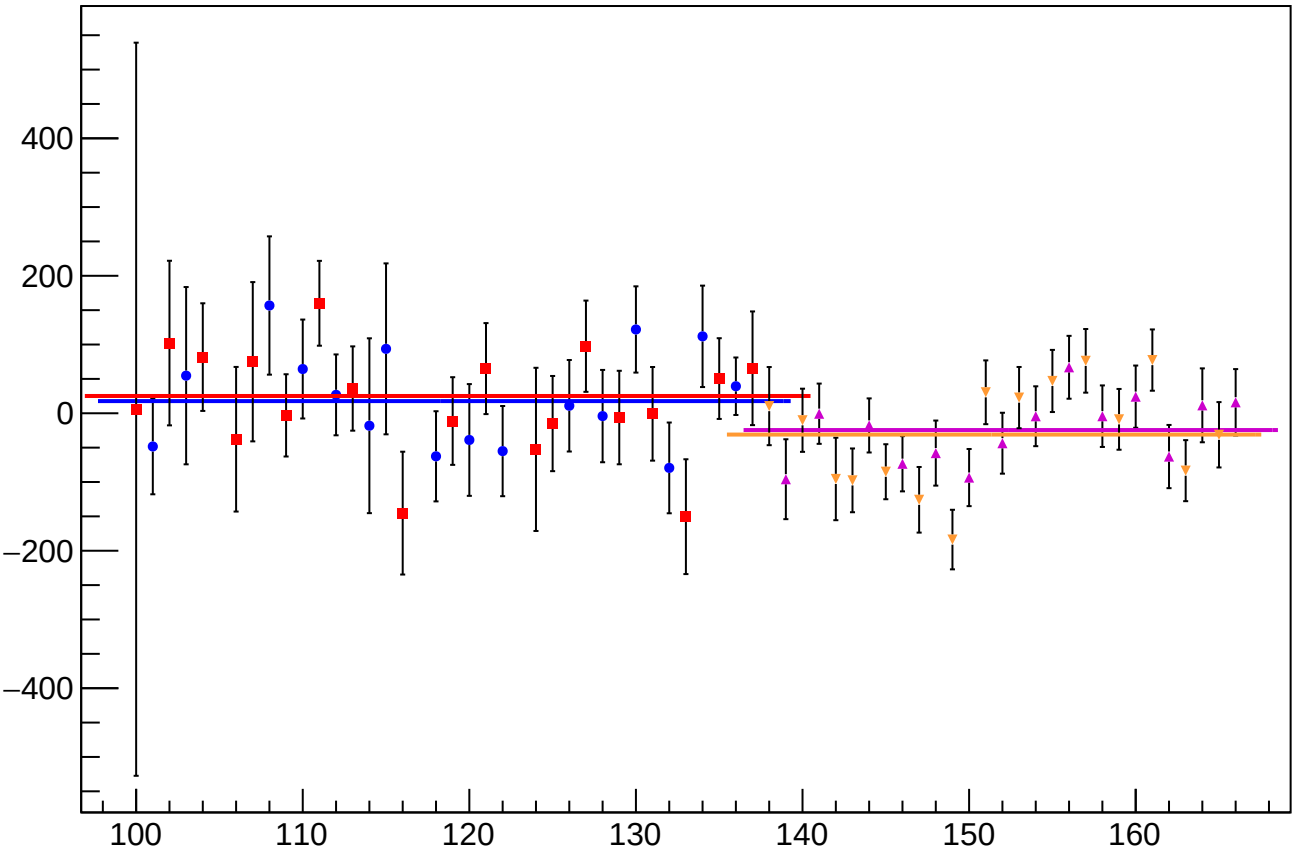
Left: 339.869+/-0.051 χ^2/NDF: 1853658.6/28

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 372.217+/-0.063 χ^2/NDF:2601325.0/29

Out: 372.812+/-0.063 χ^2/NDF:2940699.2/33

All: 372.517+/-0.045 χ^2/NDF: 5542068.8/63



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.410+/-12.077 χ^2/NDF:14.2/13

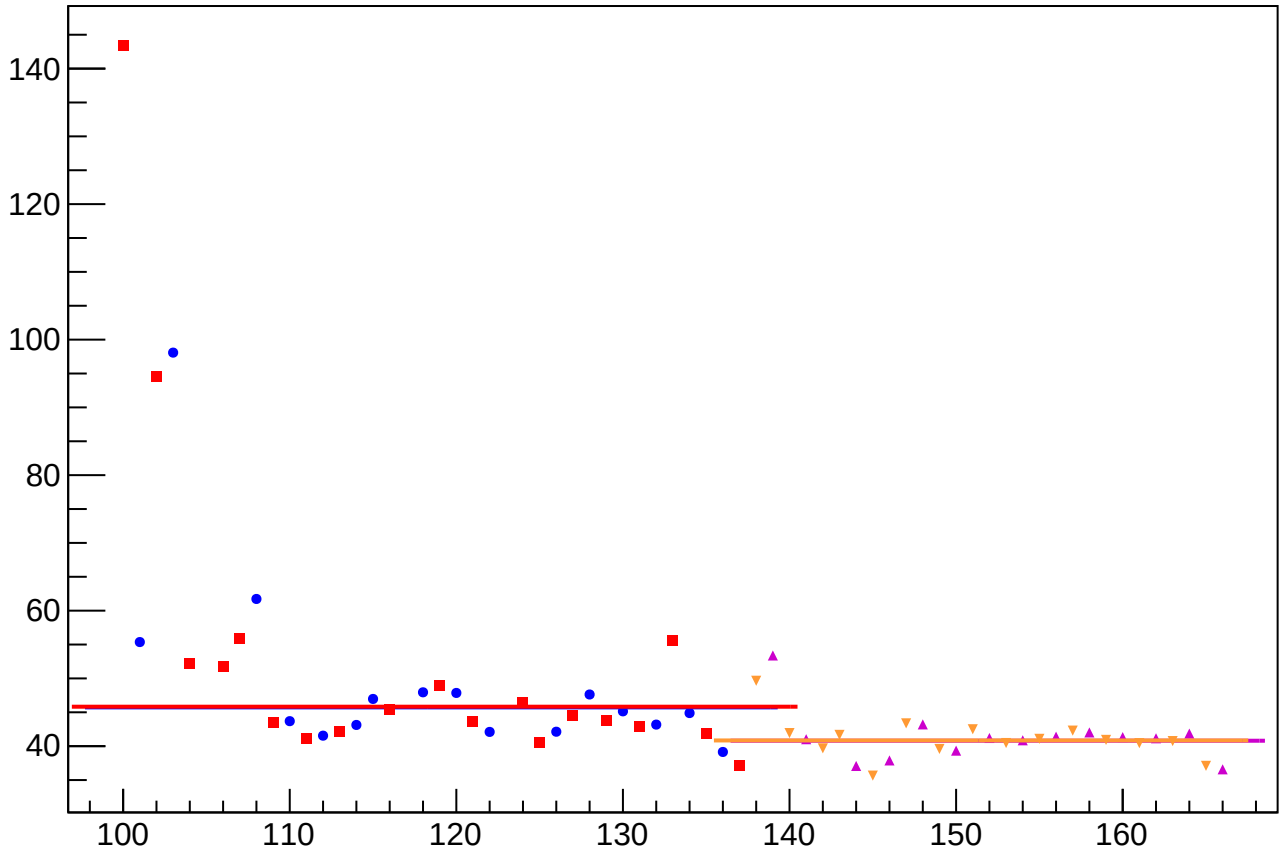
Left: -27.737+/-8.492 χ^2/NDF: 55.6/28

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.793+/-9.934 χ^2/NDF:32.1/29

Out: -12.926+/-9.836 χ^2/NDF:66.4/33

All: -11.870+/-6.990 χ^2/NDF: 98.5/63



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

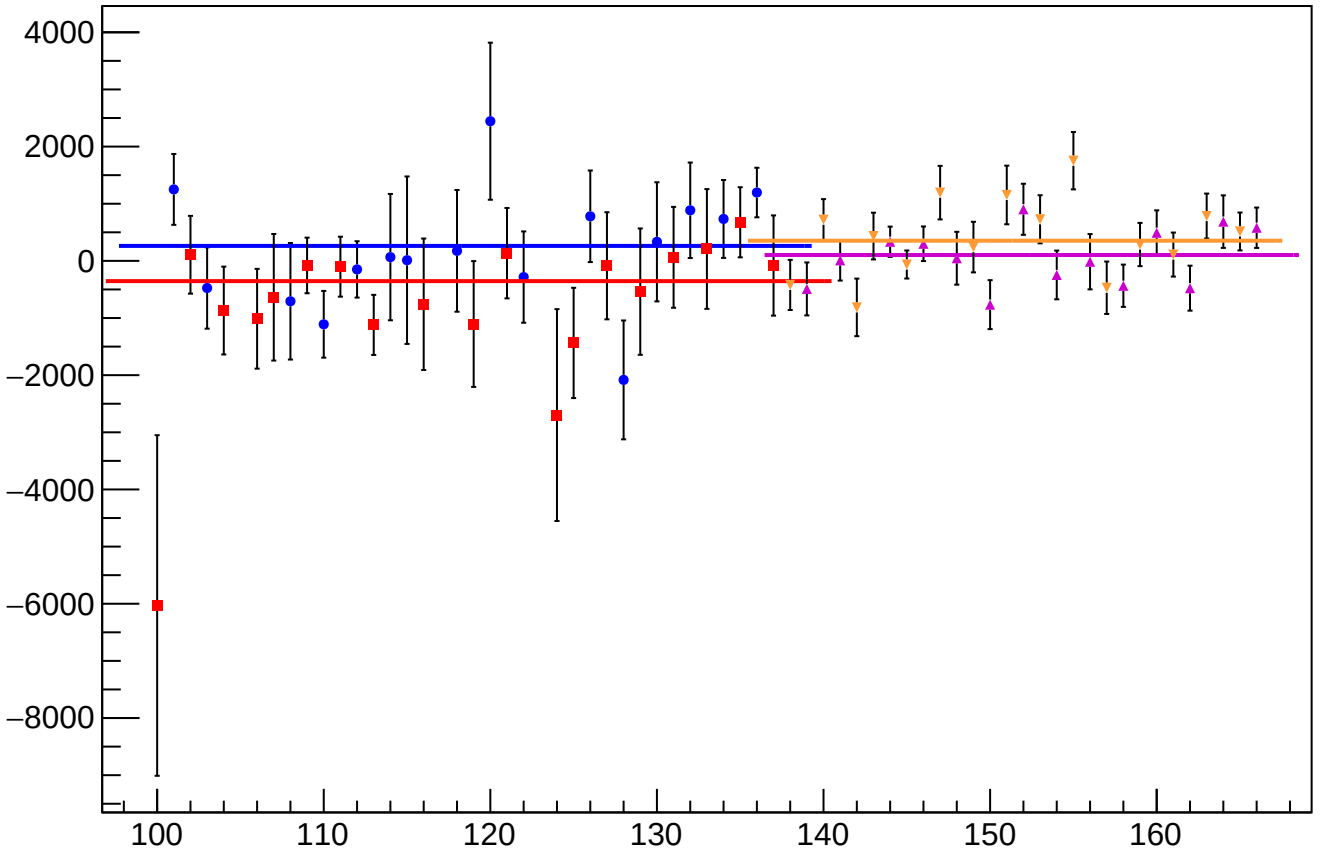
Left: 40.824+/-0.006 χ^2/NDF: 257002.6/28

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.395+/-0.007 χ^2/NDF:757251.8/29

Out: 42.448+/-0.007 χ^2/NDF:759072.3/33

All: 42.422+/-0.005 χ^2/NDF: 1516353.0/63



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 353.114+/-101.751 χ^2/NDF:31.8/14

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

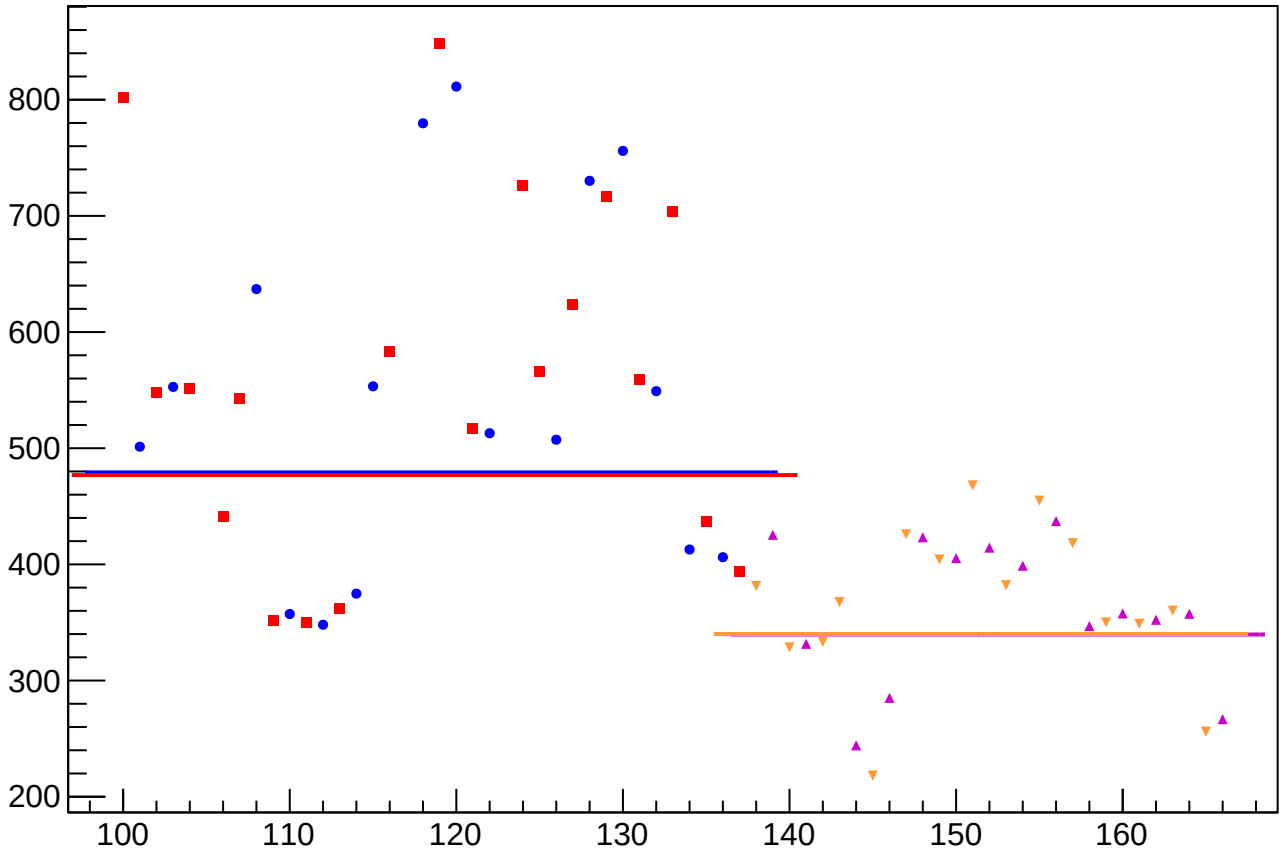
Left: 228.426+/-72.109 χ^2/NDF: 54.5/28

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 139.813+/-89.485 χ^2/NDF:45.2/29

Out: 184.542+/-88.802 χ^2/NDF:58.6/33

All: 162.349+/-63.032 χ^2/NDF: 103.9/63



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 339.646+/-0.072 χ^2/NDF:778484.6/13

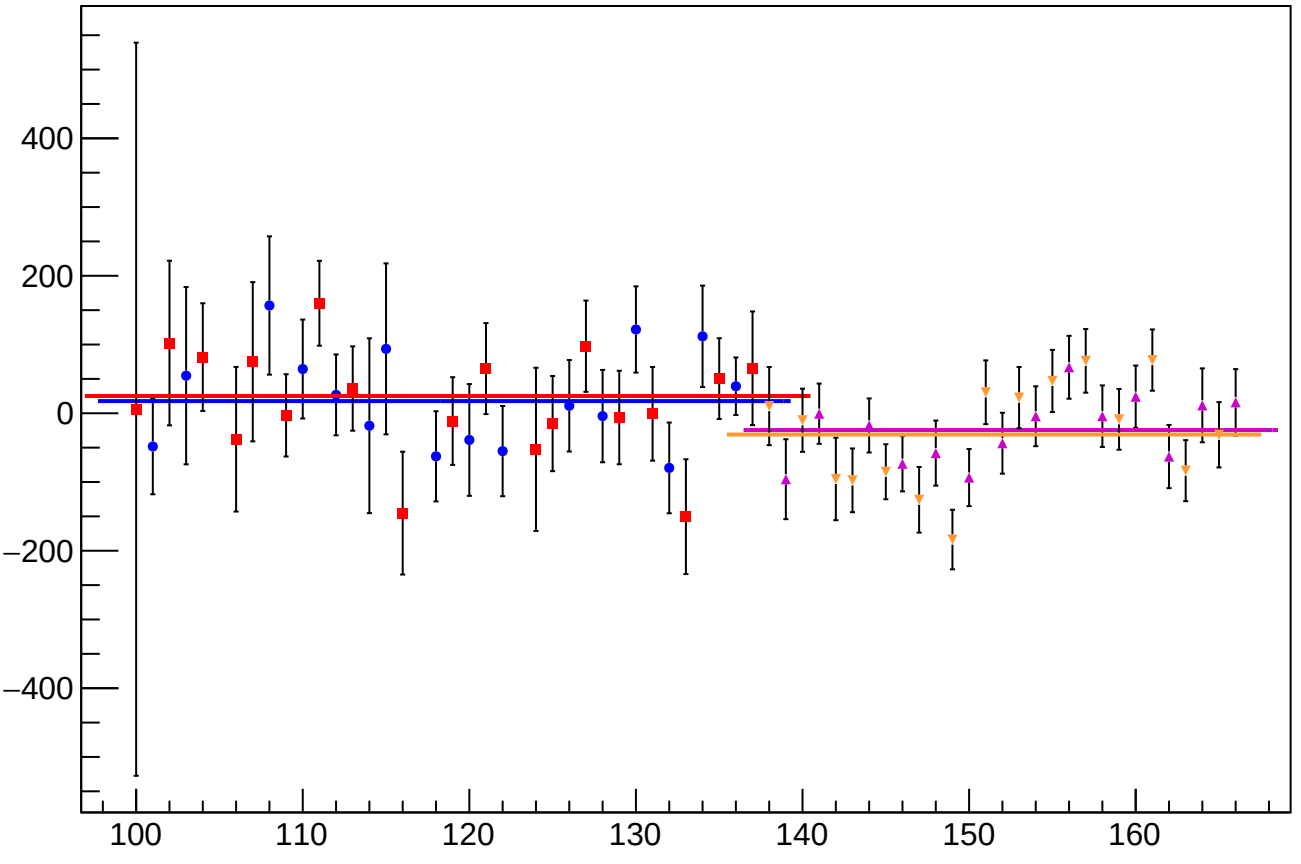
Left: 339.869+/-0.051 χ^2/NDF: 1853658.9/28

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 372.217+/-0.063 χ^2/NDF:2601374.6/29

Out: 372.693+/-0.063 χ^2/NDF:2940536.3/33

All: 372.457+/-0.045 χ^2/NDF: 5541939.4/63



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.410+/-12.077 χ^2/NDF:14.2/13

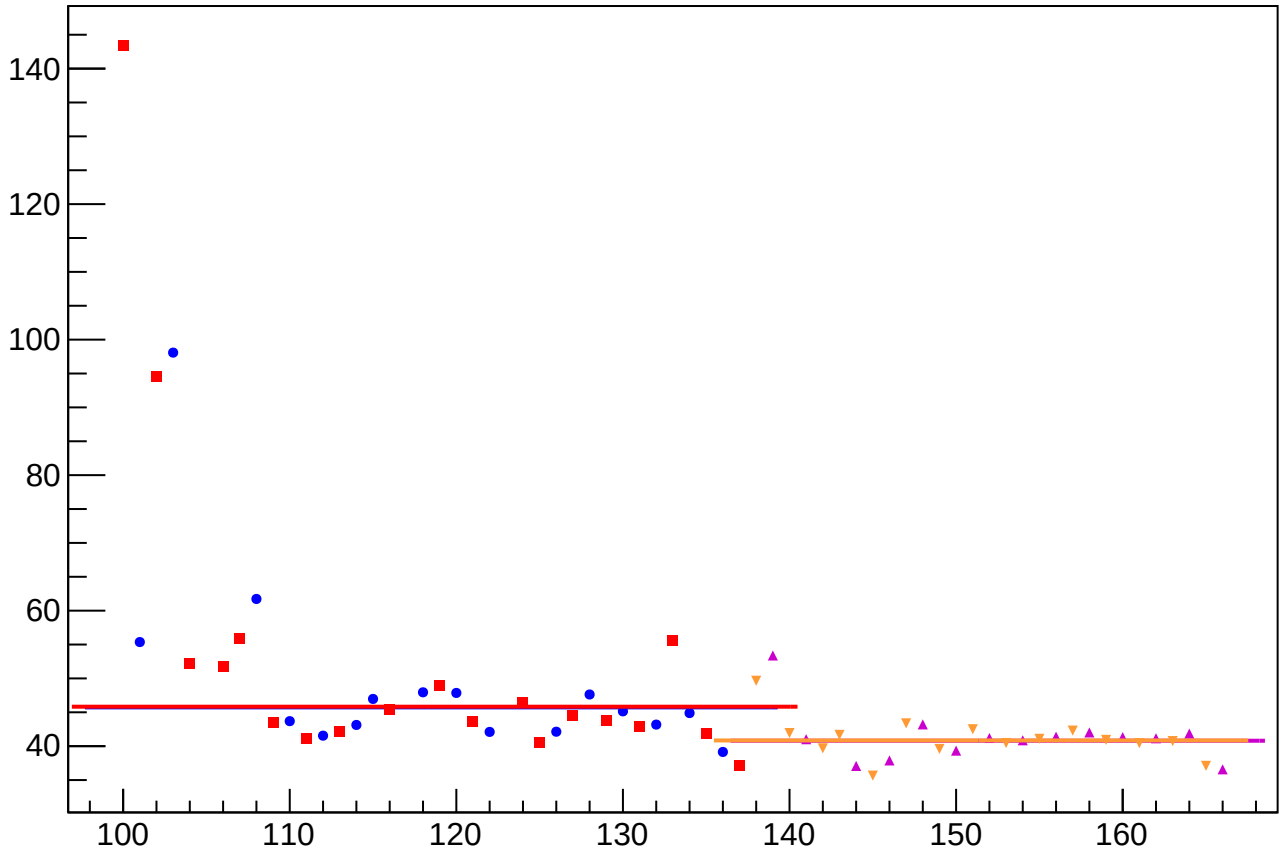
Left: -27.737+/-8.492 χ^2/NDF: 55.6/28

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.793+/-9.934 χ^2/NDF:32.1/29

Out: -12.926+/-9.836 χ^2/NDF:66.4/33

All: -11.870+/-6.990 χ^2/NDF: 98.5/63



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.803+/-0.009 χ^2/NDF:148279.8/13

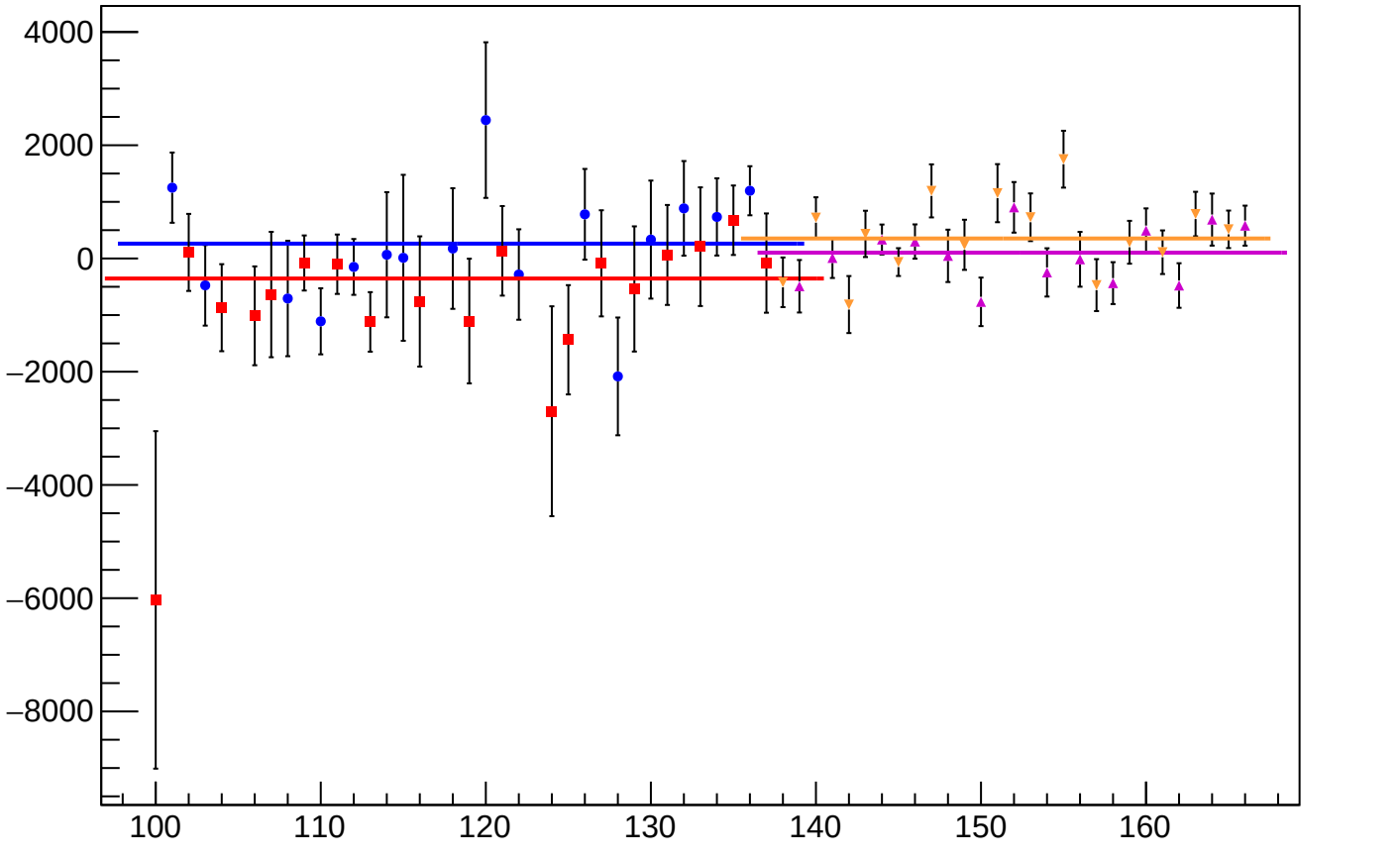
Left: 40.824+/-0.006 χ^2/NDF: 257002.6/28

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.395+/-0.007 χ^2/NDF:757251.8/29

Out: 42.448+/-0.007 χ^2/NDF:759072.3/33

All: 42.422+/-0.005 χ^2/NDF: 1516353.0/63



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 353.114+/-101.751 χ^2/NDF:31.8/14

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 102.622+/-102.205 χ^2/NDF:19.7/13

Left: 228.426+/-72.109 χ^2/NDF: 54.5/28

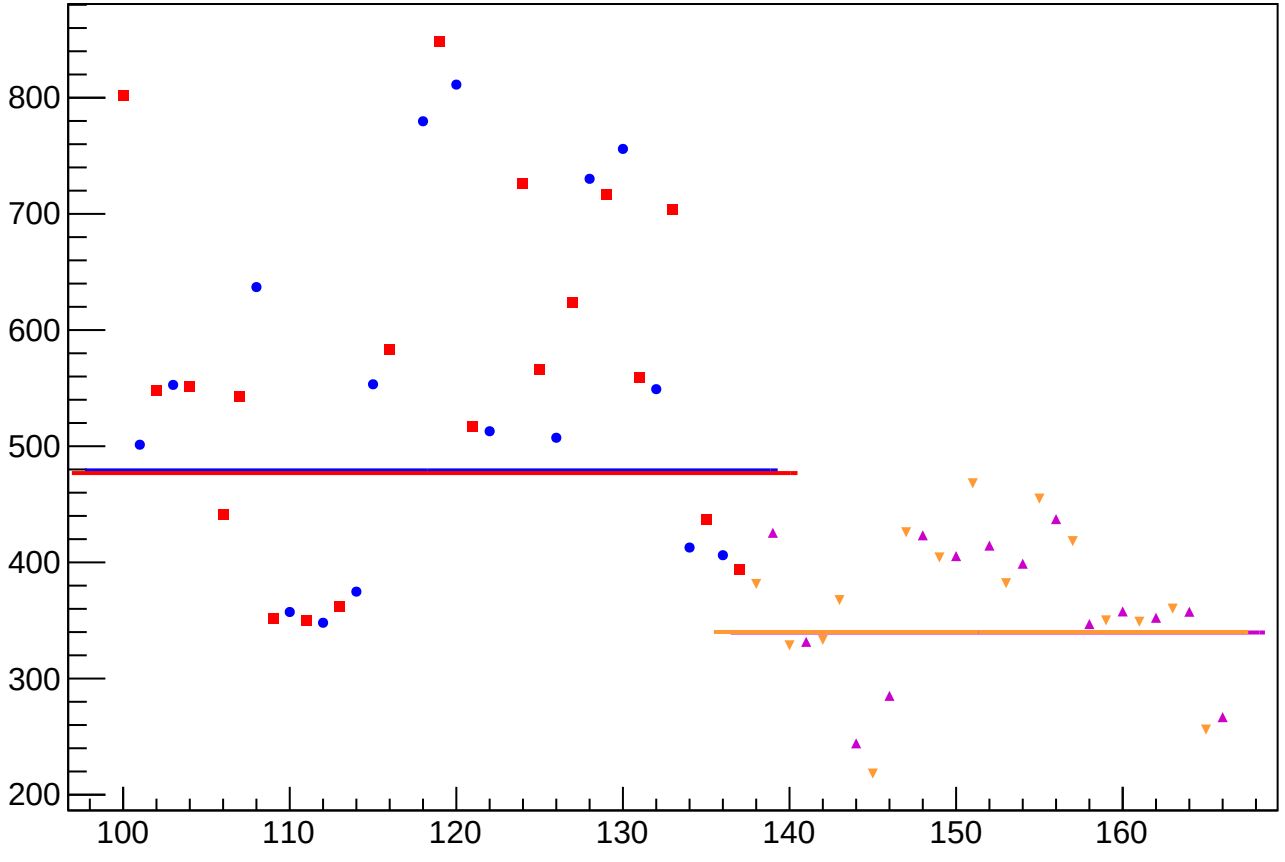
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 139.813+/-89.485 χ^2/NDF:45.2/29

Out: 184.542+/-88.802 χ^2/NDF:58.6/33

All: 162.349+/-63.032 χ^2/NDF: 103.9/63

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 339.646+/-0.072 χ^2/NDF:778484.6/13

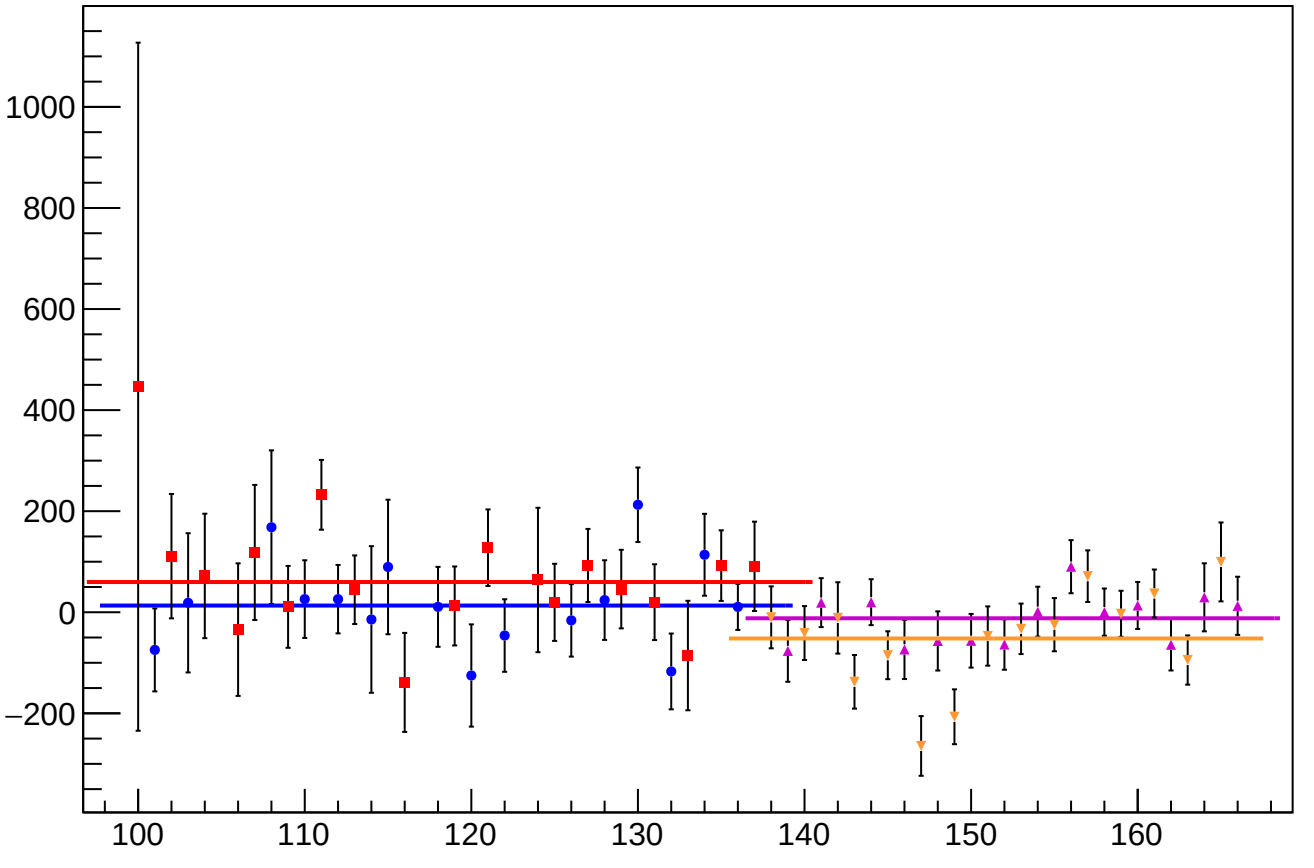
Left: 339.869+/-0.051 χ^2/NDF: 1853658.9/28

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 372.217+/-0.063 χ^2/NDF:2601374.6/29

Out: 372.693+/-0.063 χ^2/NDF:2940536.3/33

All: 372.457+/-0.045 χ^2/NDF: 5541939.4/63



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.849+/-13.881 χ^2/NDF:40.5/14

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.940+/-13.982 χ^2/NDF:11.3/13

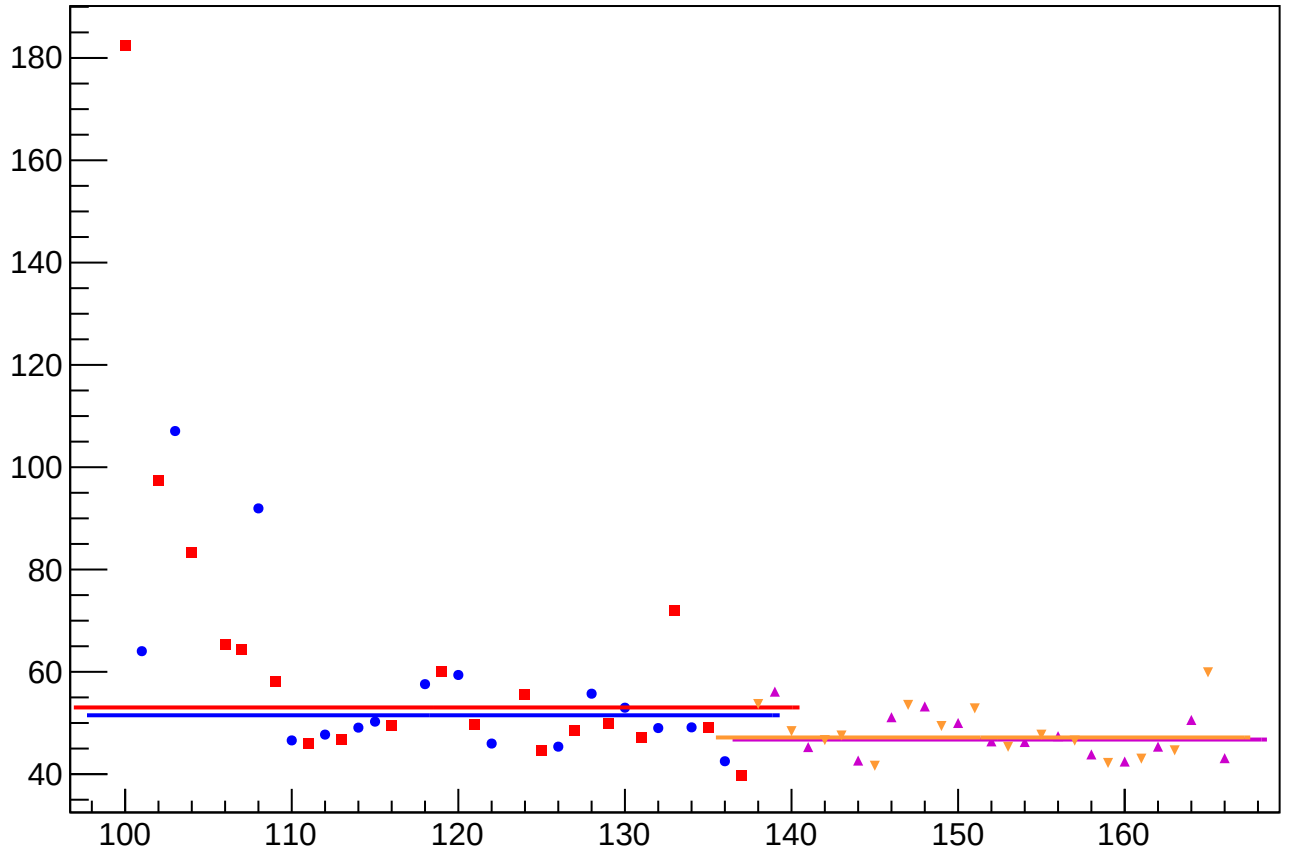
Left: -32.040+/-9.851 χ^2/NDF: 55.9/28

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.581+/-11.431 χ^2/NDF:29.6/29

Out: -16.117+/-11.446 χ^2/NDF:77.3/33

All: -9.840+/-8.088 χ^2/NDF: 107.5/63



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.169+/-0.010 χ^2/NDF:197452.6/14

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.763+/-0.010 χ^2/NDF:149509.9/13

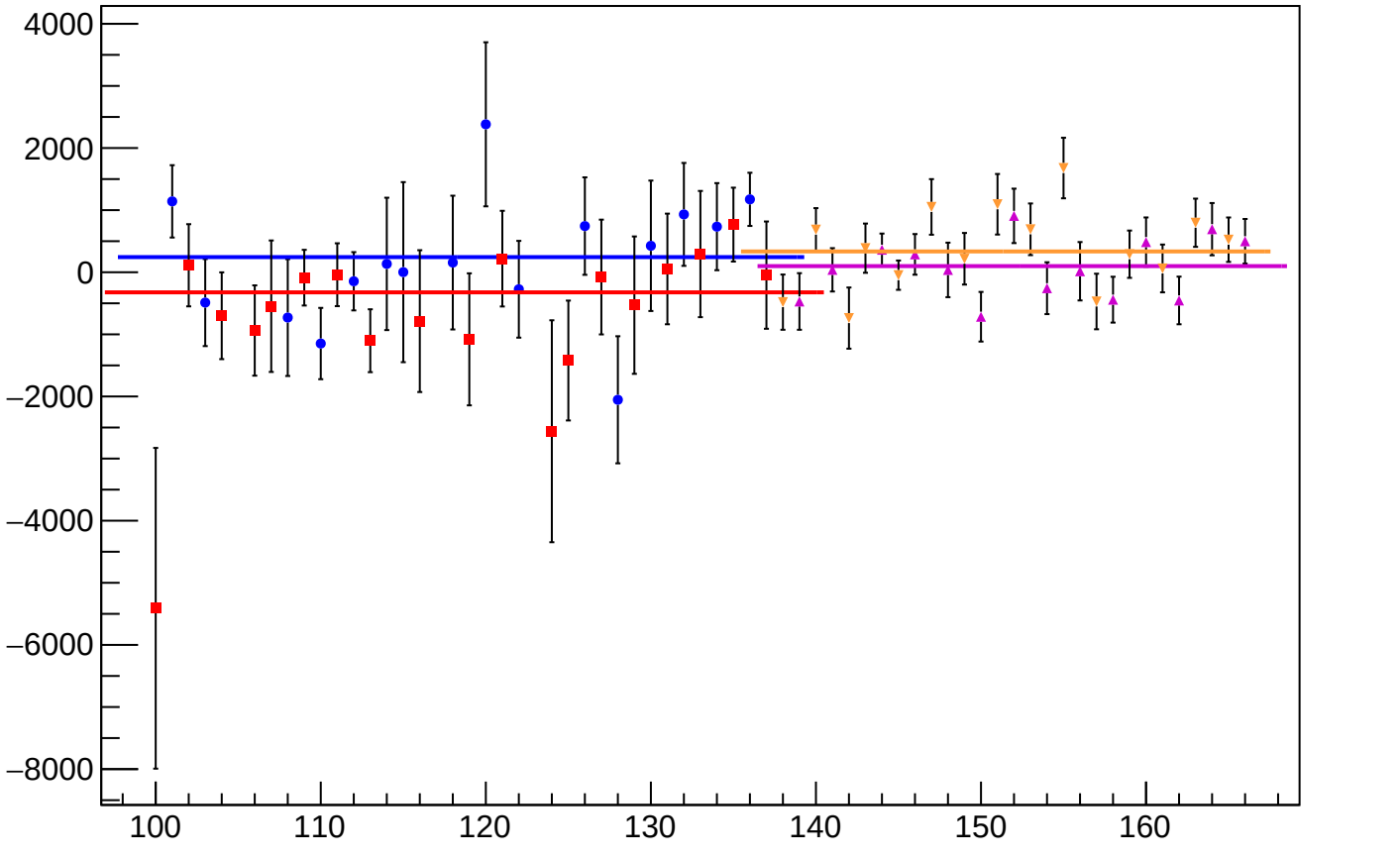
Left: 46.967+/-0.007 χ^2/NDF: 347810.8/28

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.336+/-0.008 χ^2/NDF:892887.5/29

Out: 49.047+/-0.008 χ^2/NDF:1024776.1/33

All: 48.691+/-0.006 χ^2/NDF: 1921527.0/63



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 98.948+/-101.007 χ^2/NDF:19.7/13

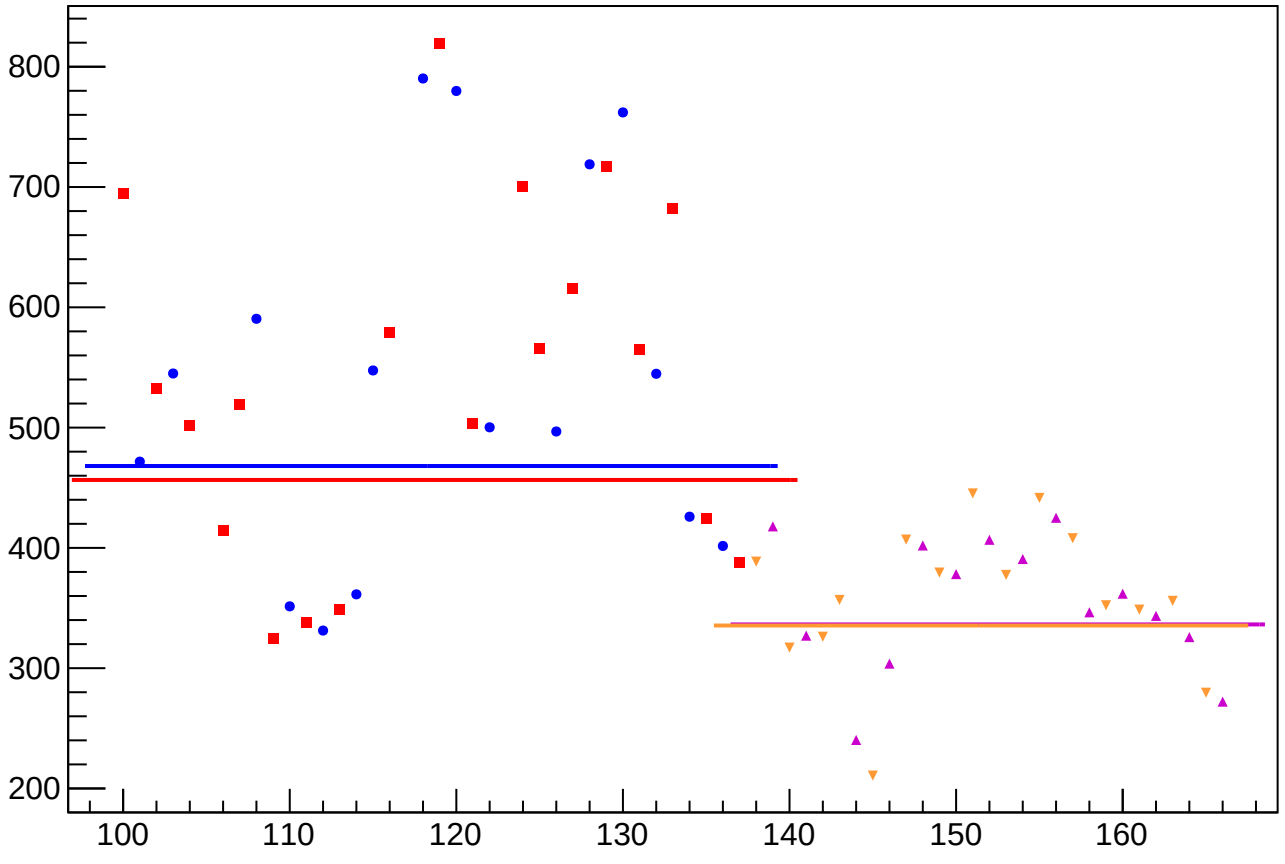
Left: 218.106+/-71.073 χ^2/NDF: 53.1/28

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 133.390+/-88.188 χ^2/NDF:45.8/29

Out: 170.857+/-86.671 χ^2/NDF:57.9/33

All: 152.448+/-61.815 χ^2/NDF: 103.8/63



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 335.473+/-0.071 χ^2/NDF:1003804.6/14

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 336.371+/-0.071 χ^2/NDF:657498.8/13

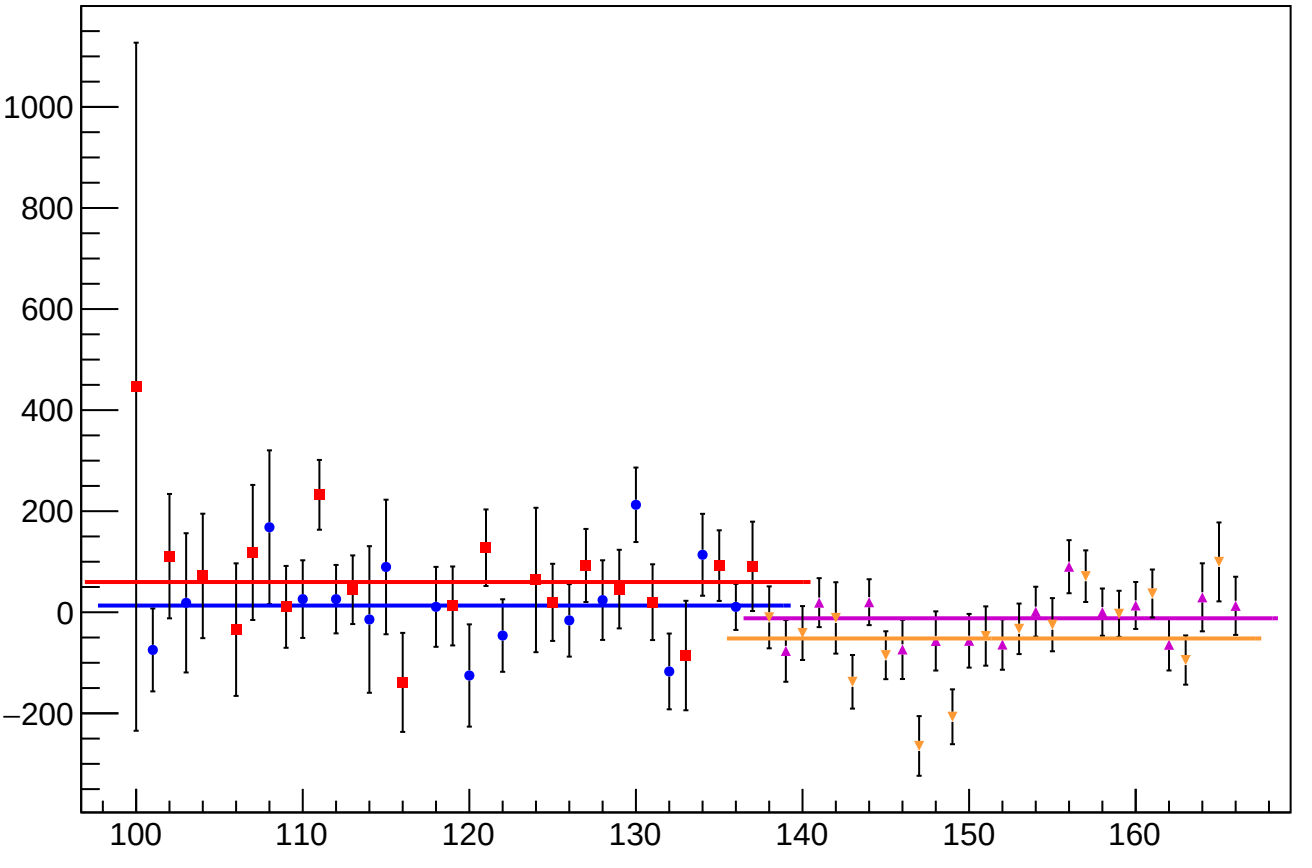
Left: 335.918+/-0.050 χ^2/NDF: 1661383.2/28

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 367.678+/-0.062 χ^2/NDF:2448642.3/29

Out: 365.621+/-0.061 χ^2/NDF:2815575.7/33

All: 366.632+/-0.044 χ^2/NDF: 5264771.5/63



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.850+/-13.881 χ^2/NDF:40.5/14

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.940+/-13.982 χ^2/NDF:11.3/13

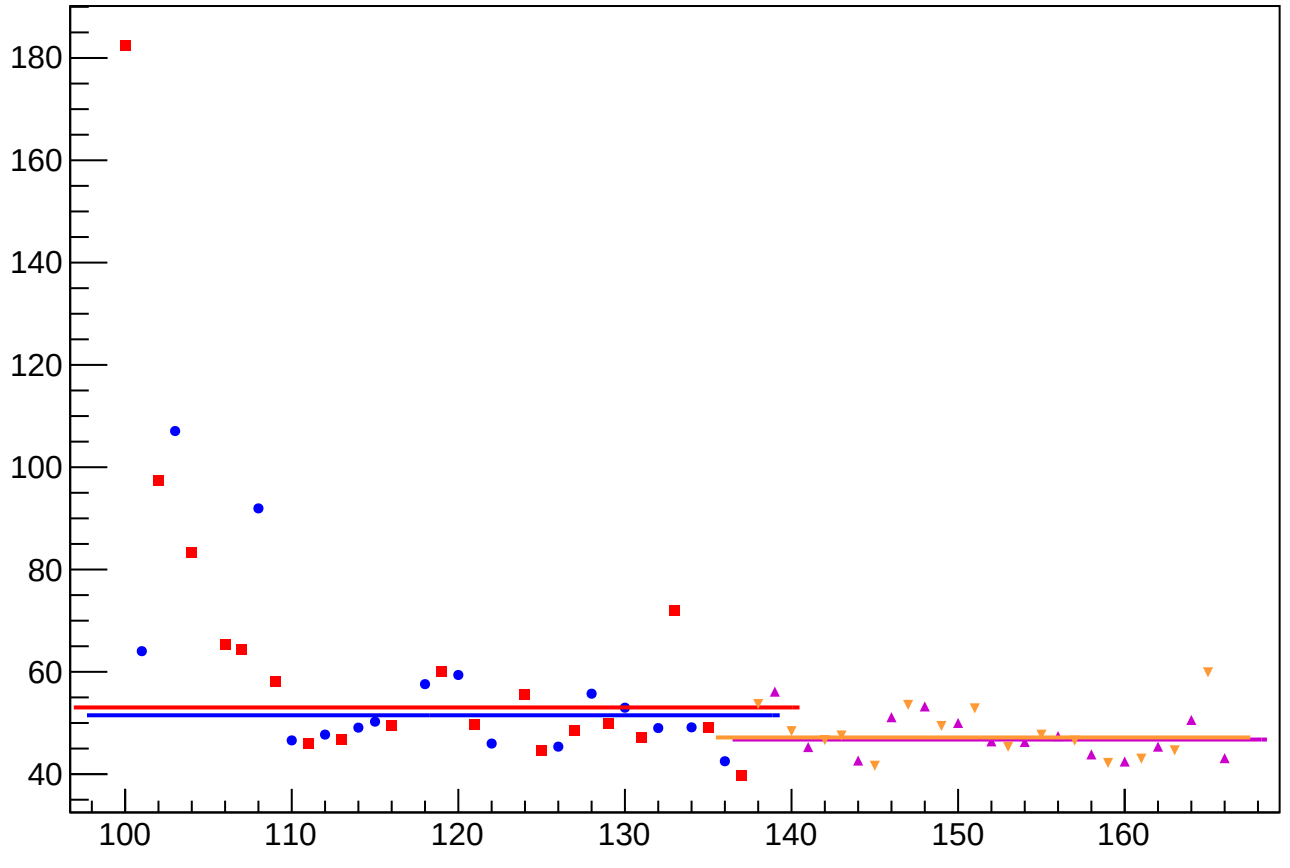
Left: -32.040+/-9.851 χ^2/NDF: 55.9/28

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.581+/-11.431 χ^2/NDF:29.6/29

Out: -16.117+/-11.446 χ^2/NDF:77.3/33

All: -9.840+/-8.088 χ^2/NDF: 107.5/63



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.169+/-0.010 χ^2/NDF:197453.9/14

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.763+/-0.010 χ^2/NDF:149512.1/13

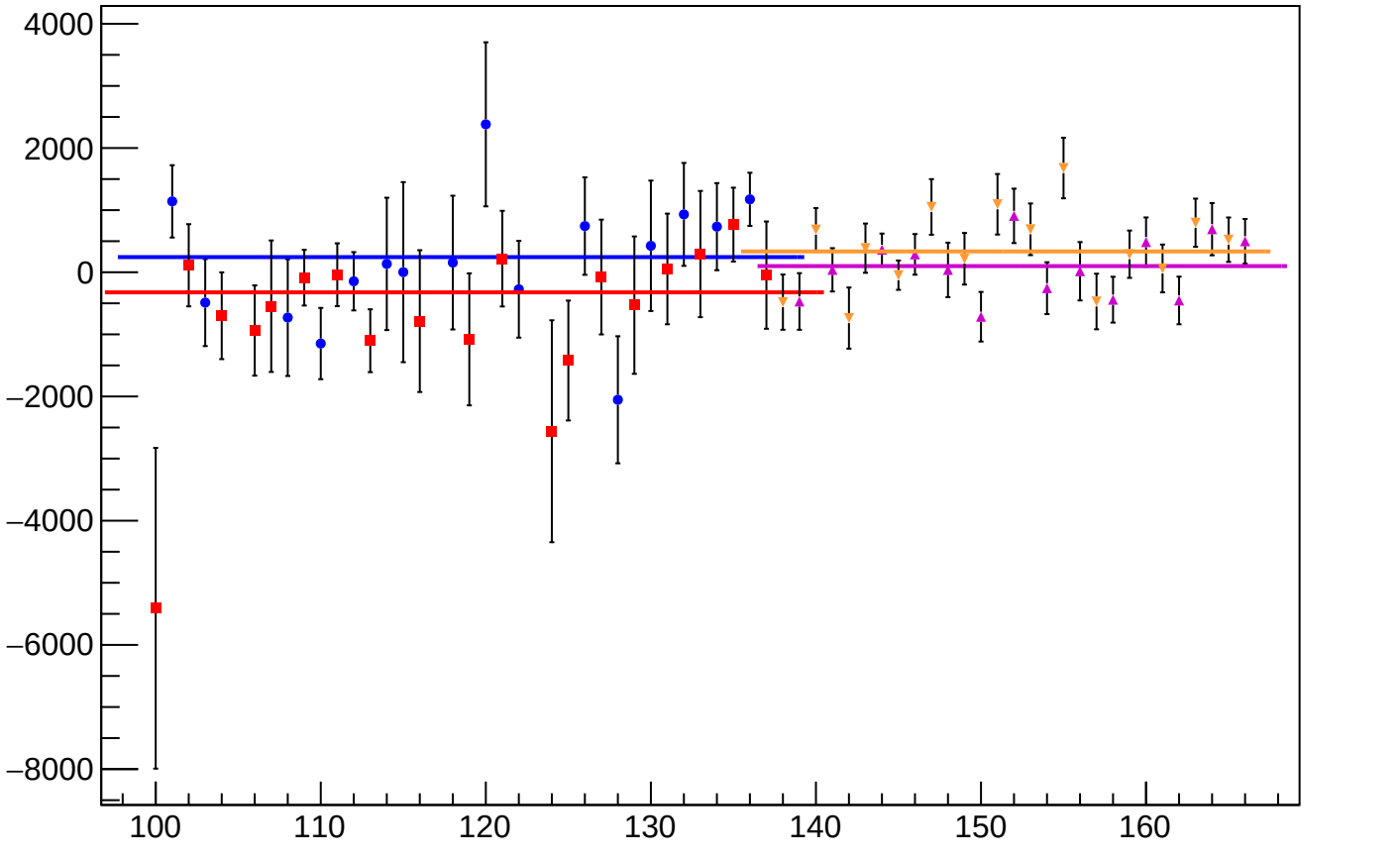
Left: 46.967+/-0.007 χ^2/NDF: 347814.5/28

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 48.336+/-0.008 χ^2/NDF:892895.3/29

Out: 49.047+/-0.008 χ^2/NDF:1024786.9/33

All: 48.691+/-0.006 χ^2/NDF: 1921546.0/63



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 98.949+/-101.007 χ^2/NDF:19.7/13

Left: 218.106+/-71.073 χ^2/NDF: 53.1/28

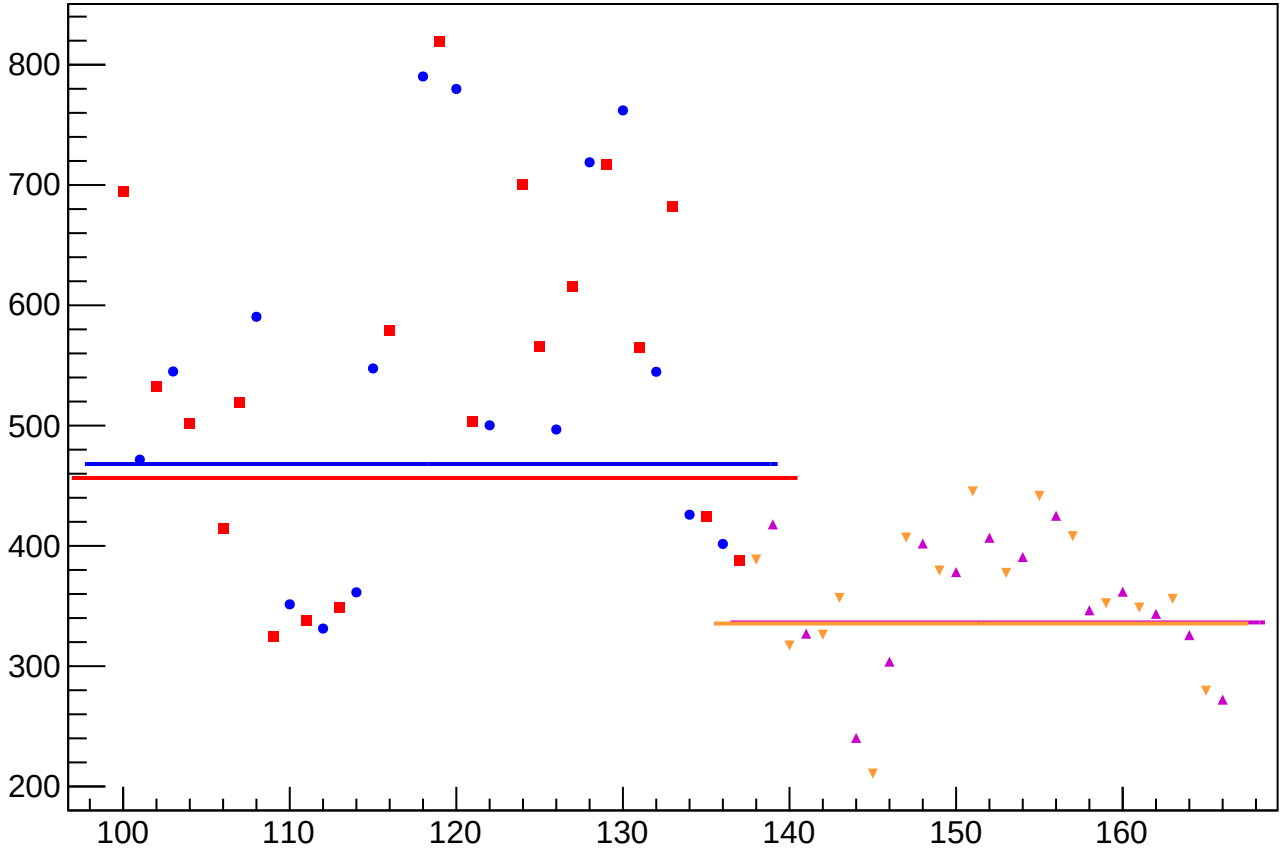
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 133.390+/-88.188 χ^2/NDF:45.8/29

Out: 170.856+/-86.671 χ^2/NDF:57.9/33

All: 152.448+/-61.815 χ^2/NDF: 103.8/63

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 335.473+/-0.071 χ^2/NDF:1003808.2/14

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 336.371+/-0.071 χ^2/NDF:657500.5/13

Left: 335.918+/-0.050 χ^2/NDF: 1661388.5/28

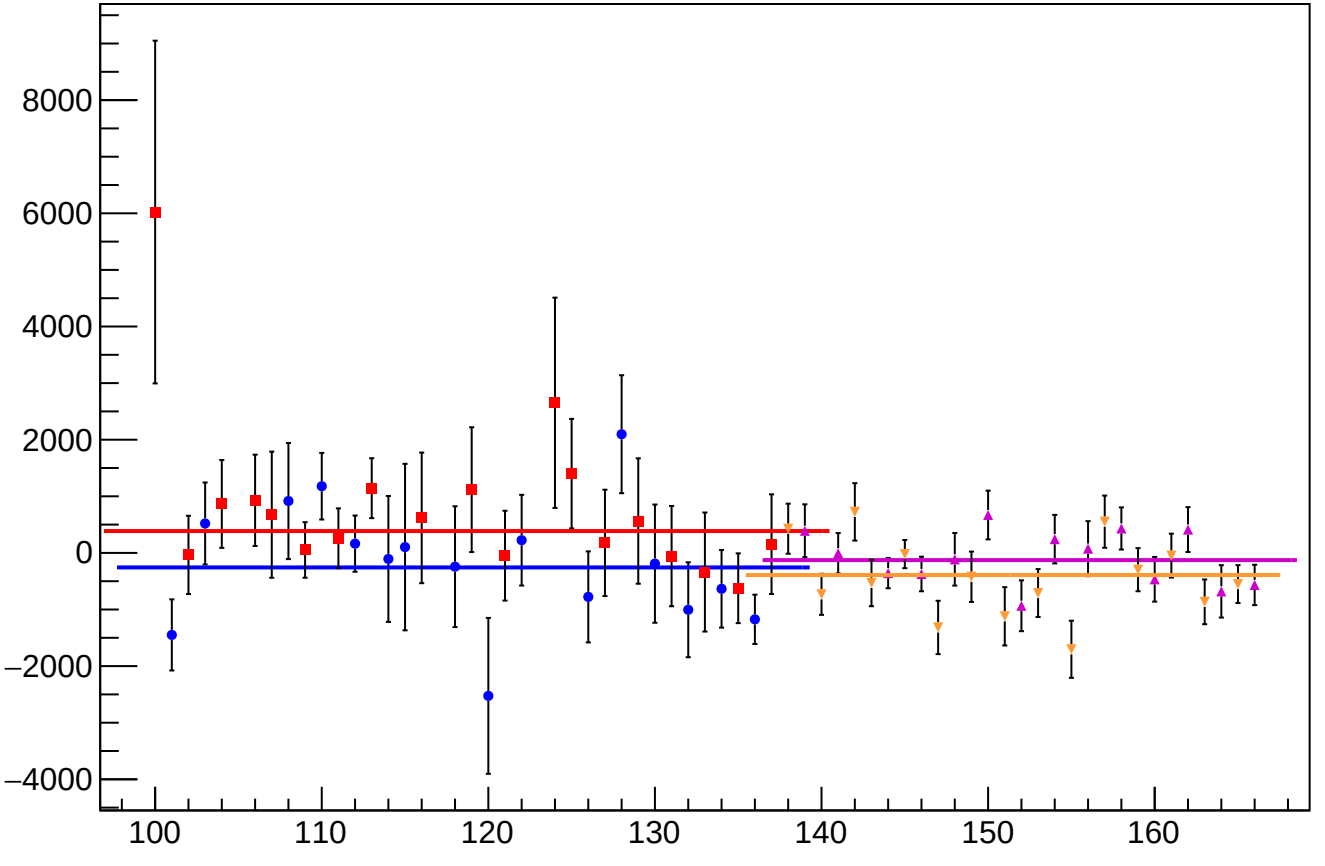
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 367.678+/-0.062 χ^2/NDF:2448635.8/29

Out: 365.621+/-0.061 χ^2/NDF:2815569.1/33

All: 366.632+/-0.044 χ^2/NDF: 5264758.4/63

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -391.149+/-102.556 χ^2/NDF:31.4/14

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -127.234+/-103.002 χ^2/NDF:18.1/13

Left: -259.764+/-72.675 χ^2/NDF: 52.7/28

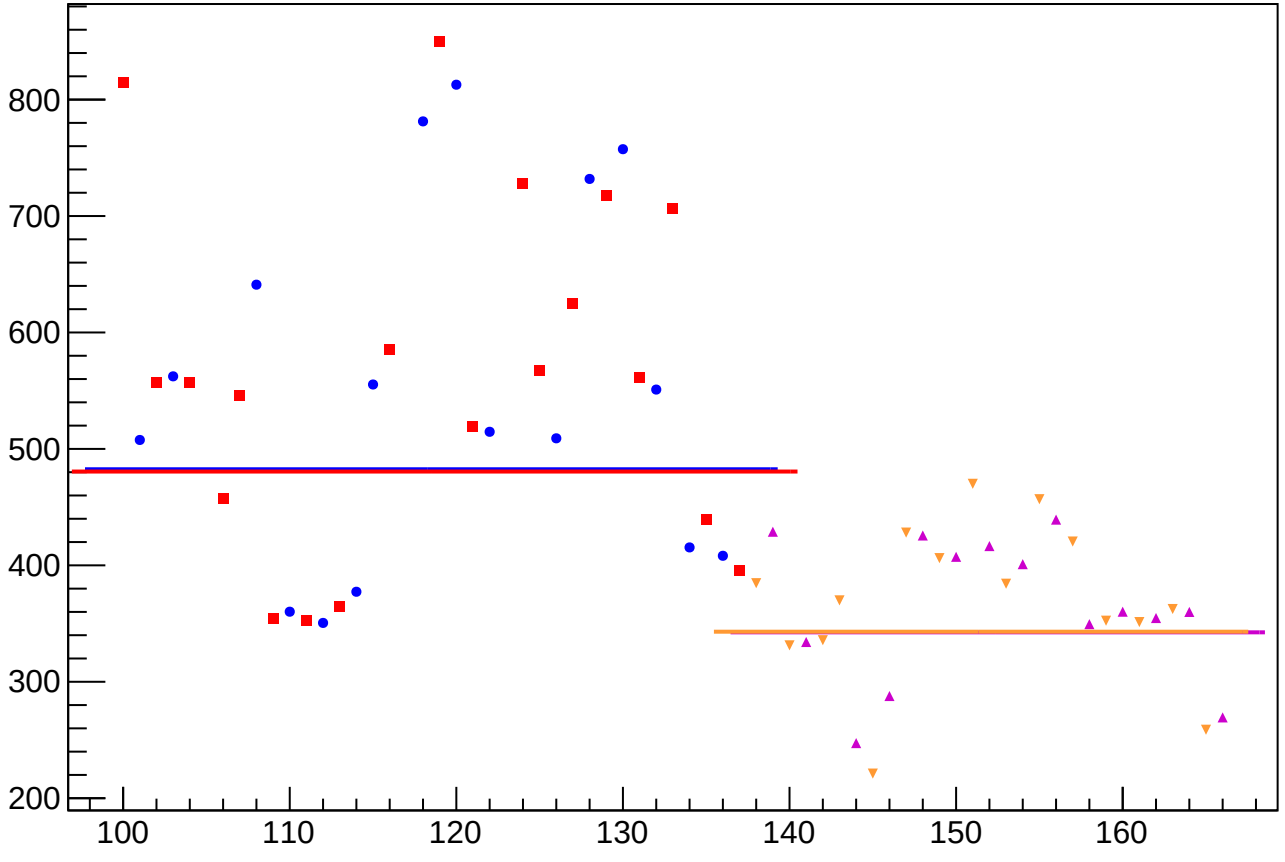
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -157.515+/-90.160 χ^2/NDF:45.4/29

Out: -204.312+/-89.390 χ^2/NDF:59.4/33

All: -181.114+/-63.479 χ^2/NDF: 104.9/63

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 343.013+/-0.073 χ^2/NDF:1047037.6/14

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 342.468+/-0.073 χ^2/NDF:759812.3/13

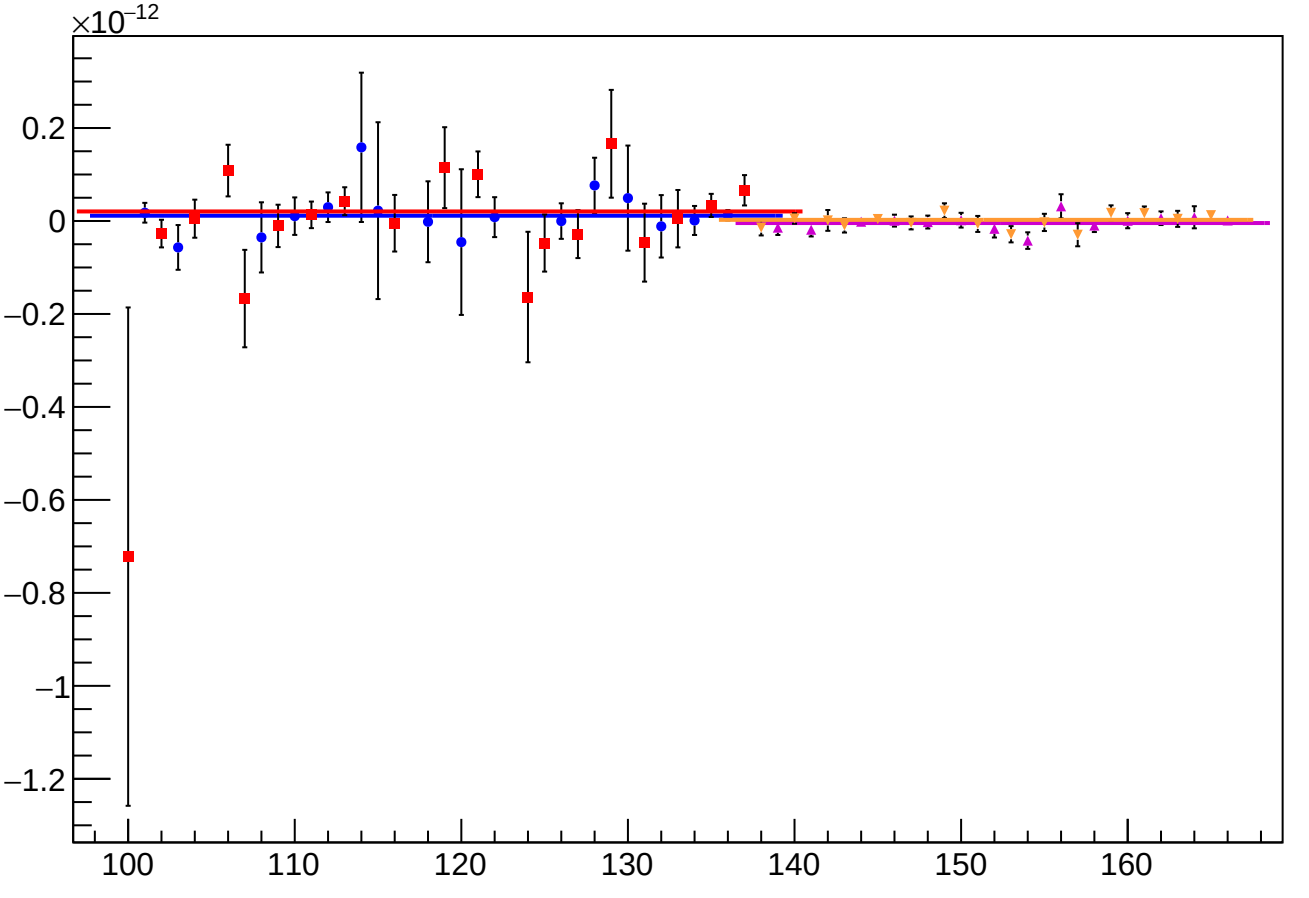
Left: 342.742+/-0.051 χ^2/NDF: 1806878.1/28

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 375.211+/-0.064 χ^2/NDF:2570754.5/29

Out: 376.062+/-0.063 χ^2/NDF:2905220.7/33

All: 375.640+/-0.045 χ^2/NDF: 5476065.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/13

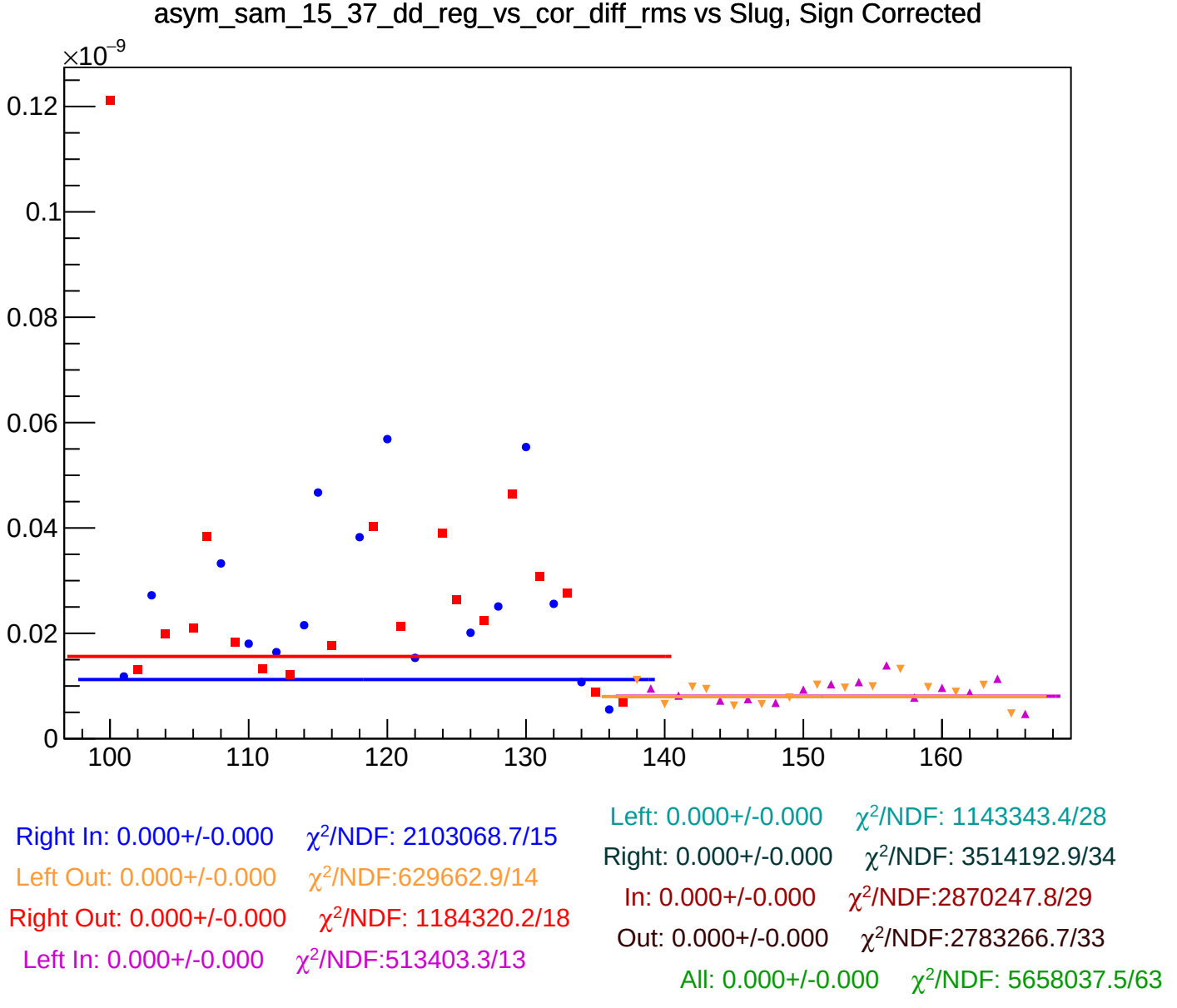
Left: -0.000+/-0.000 χ^2/NDF: 22.8/28

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

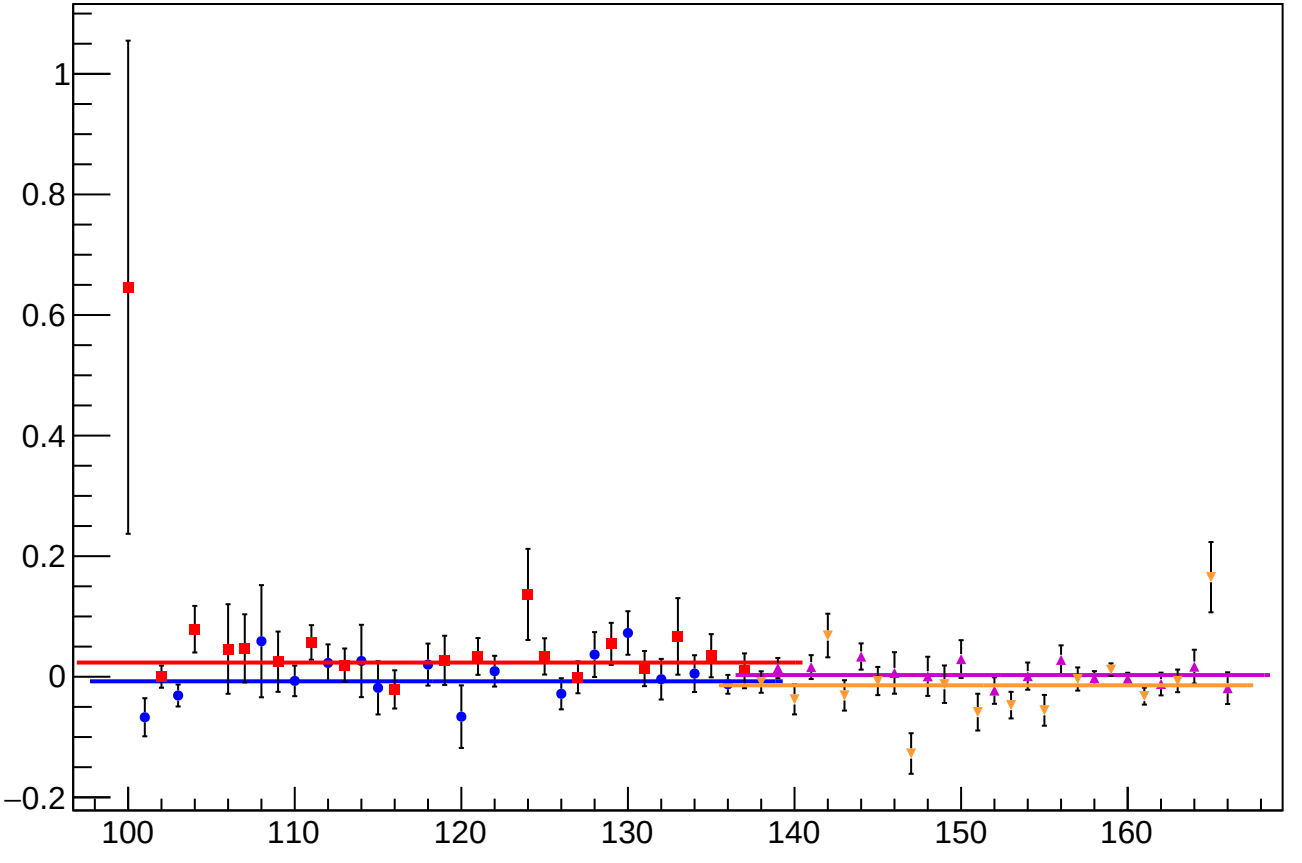
In: -0.000+/-0.000 χ^2/NDF:18.5/29

Out: 0.000+/-0.000 χ^2/NDF:37.8/33

All: 0.000+/-0.000 χ^2/NDF: 57.7/63


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:629662.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:513403.3/13
Left: 0.000+/-0.000 χ²/NDF: 1143343.4/28
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2870247.8/29
Out: 0.000+/-0.000 χ²/NDF:2783266.7/33
All: 0.000+/-0.000 χ²/NDF: 5658037.5/63

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.005+/-0.004 χ^2/NDF: 56.3/28

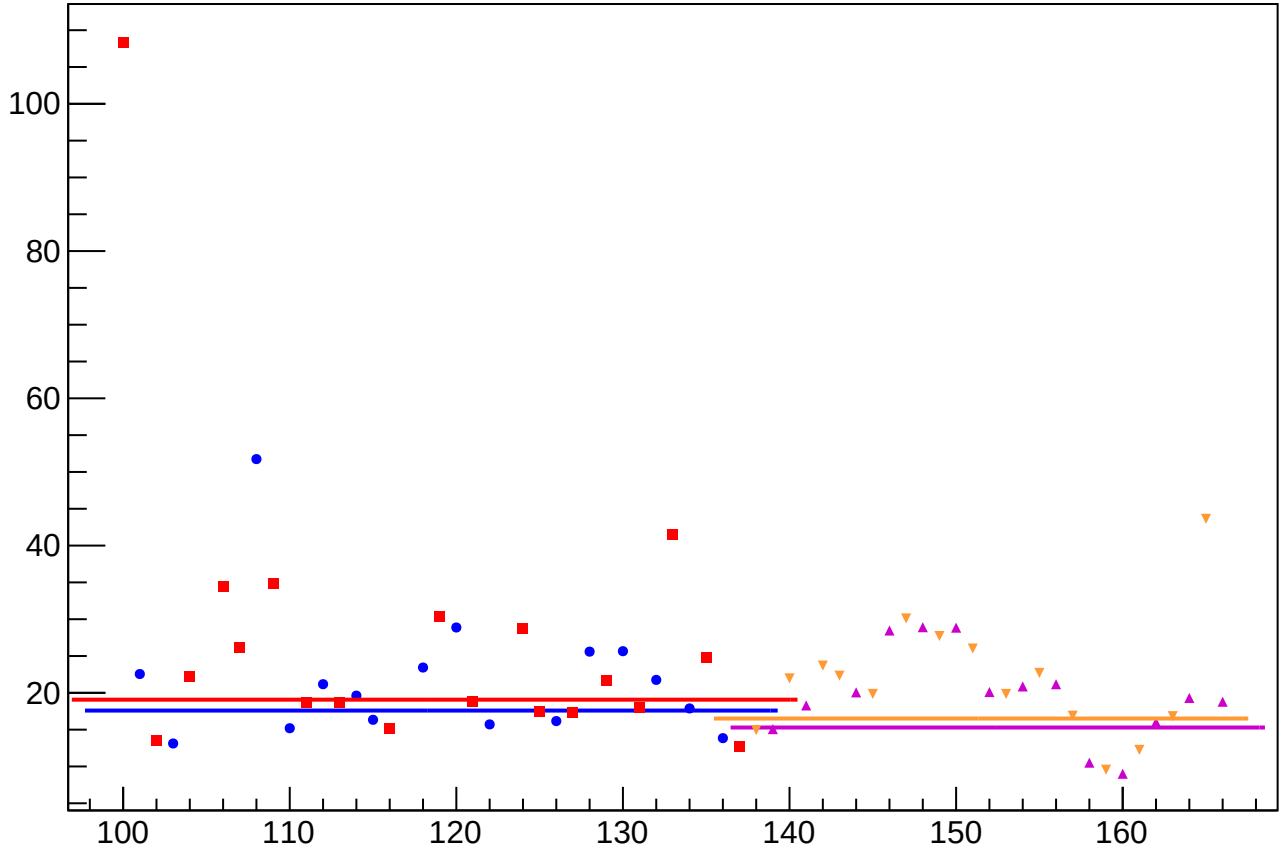
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.4/29

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.9/63

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778311.0/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.290+/-0.004 χ^2/NDF:2704012.1/13

Left: 15.866+/-0.003 χ^2/NDF: 5538141.3/28

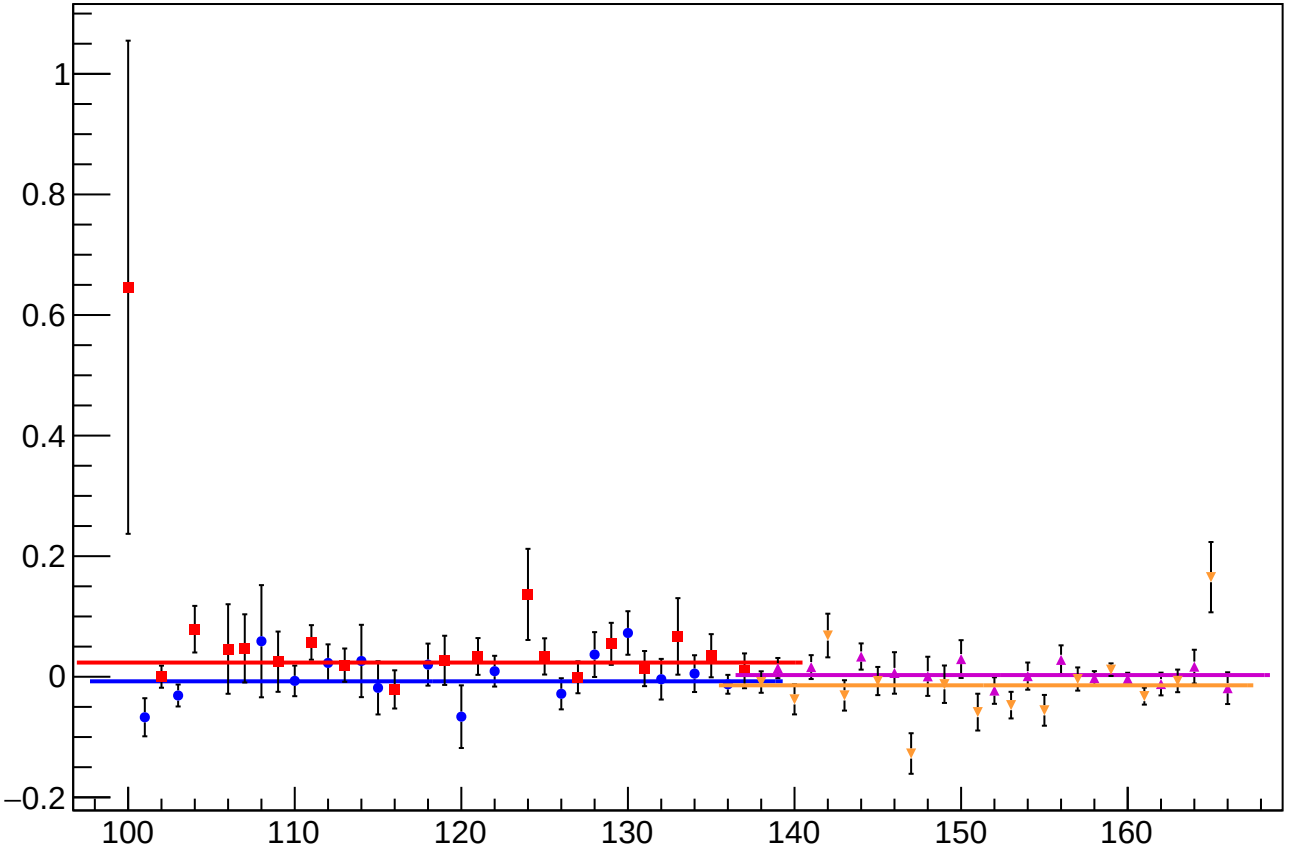
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.042+/-0.003 χ^2/NDF:3834797.8/29

Out: 17.329+/-0.003 χ^2/NDF:4175247.5/33

All: 16.646+/-0.002 χ^2/NDF: 8101724.0/63

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.005+/-0.004 χ^2/NDF: 56.3/28

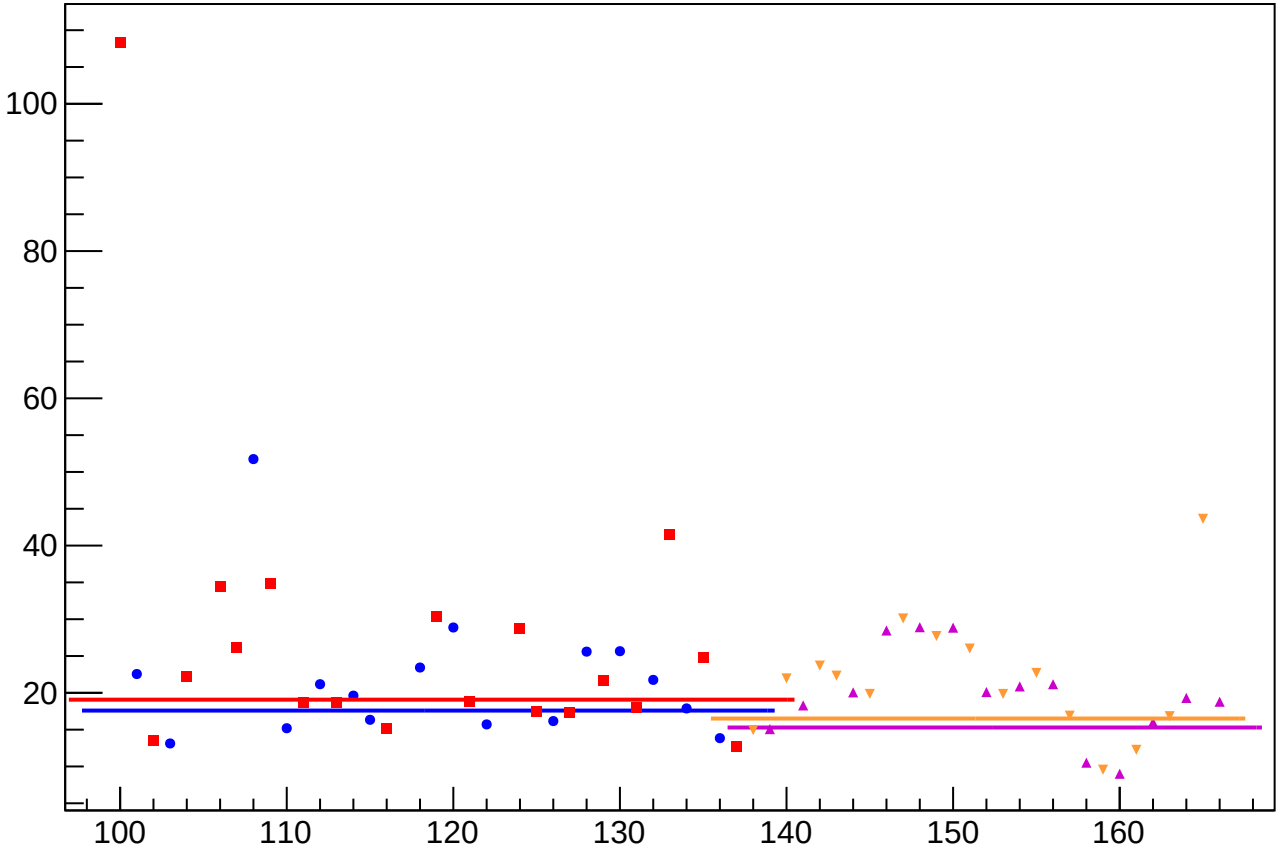
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.4/29

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.9/63

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778311.0/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.290+/-0.004 χ^2/NDF:2704012.1/13

Left: 15.866+/-0.003 χ^2/NDF: 5538141.3/28

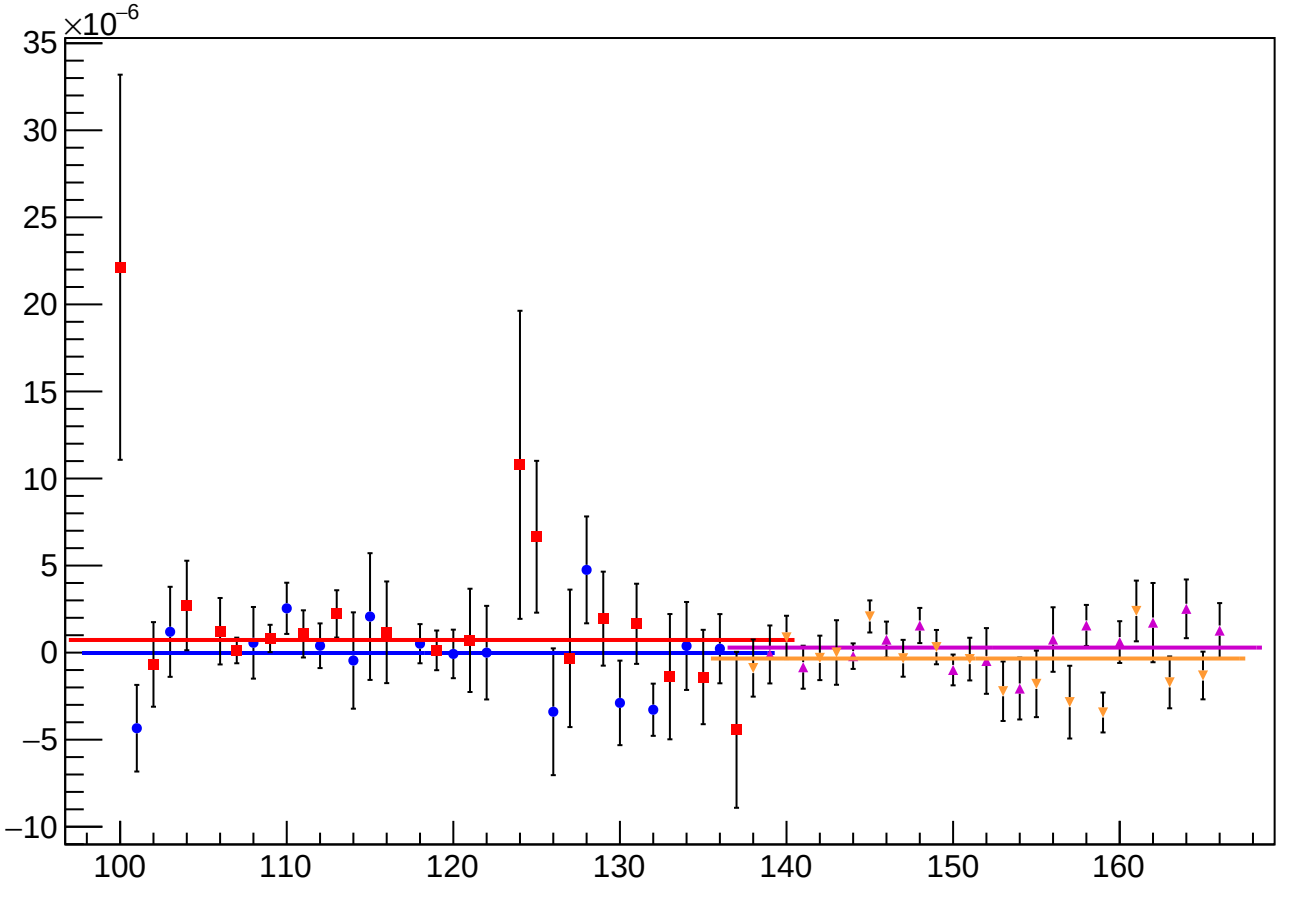
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.042+/-0.003 χ^2/NDF:3834797.8/29

Out: 17.329+/-0.003 χ^2/NDF:4175247.5/33

All: 16.646+/-0.002 χ^2/NDF: 8101724.0/63

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

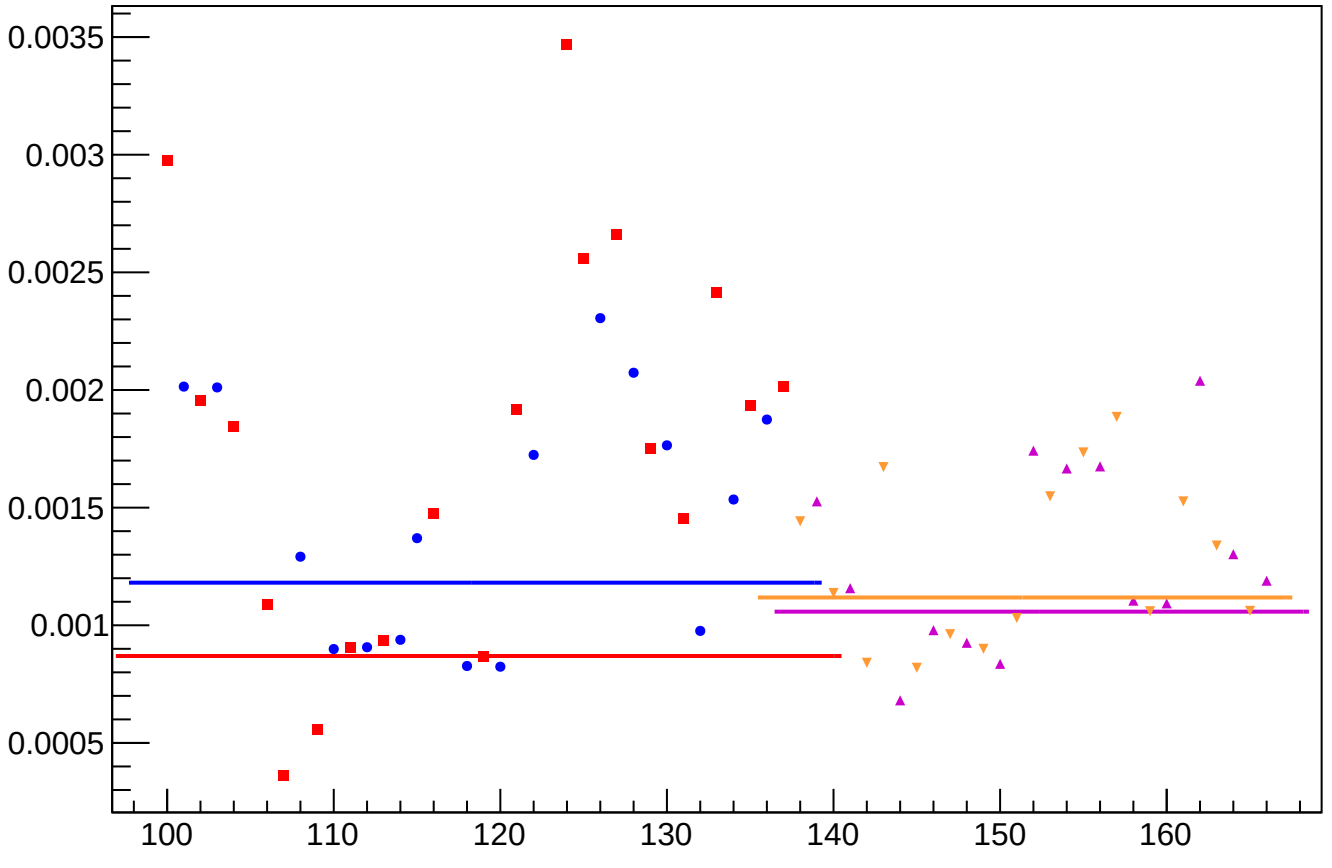
Left: -0.000+/-0.000 χ^2/NDF: 35.5/28

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:27.7/29

Out: 0.000+/-0.000 χ^2/NDF:40.0/33

All: 0.000+/-0.000 χ^2/NDF: 67.7/63



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1480381.1/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2022841.9/13

Left: 0.001+/-0.000 χ^2/NDF: 3535772.2/28

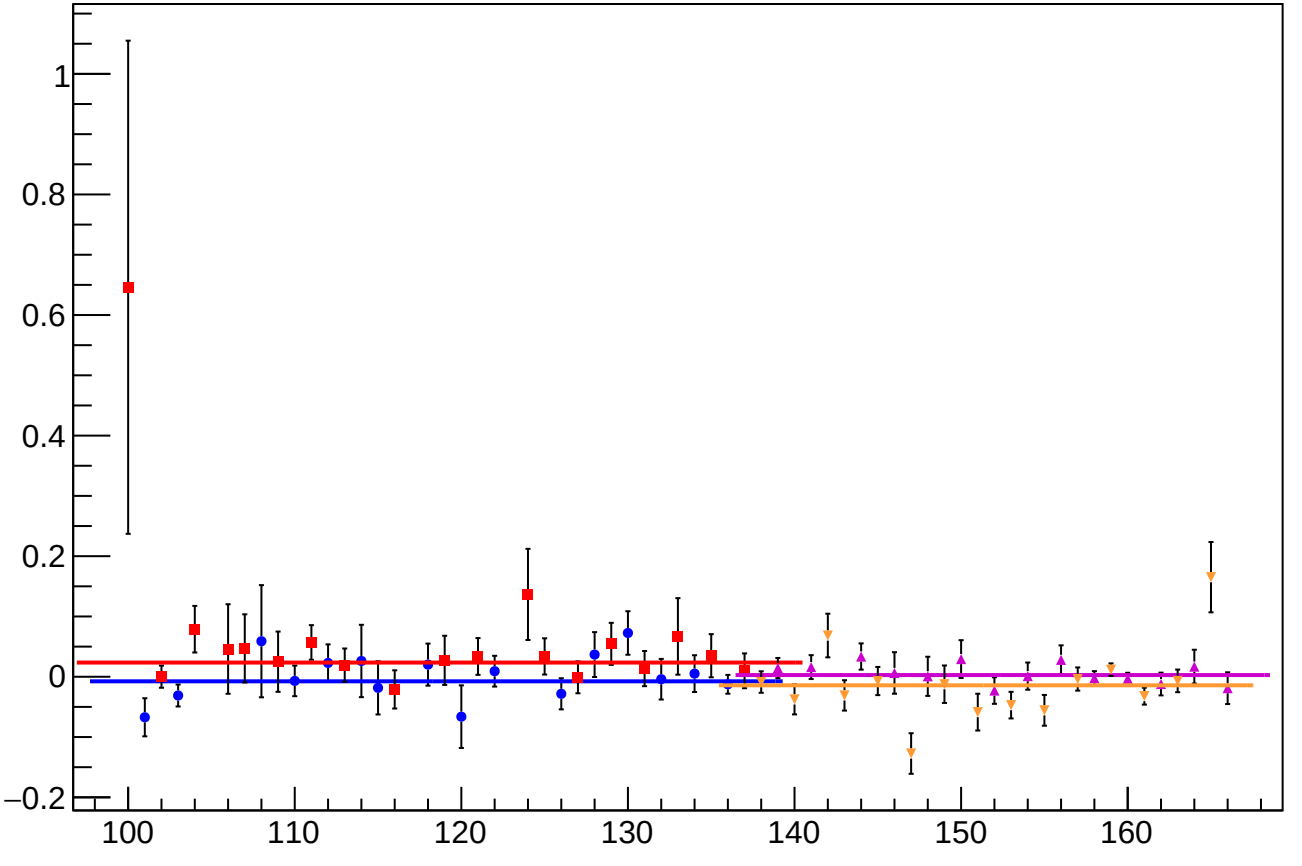
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3942919.7/29

Out: 0.001+/-0.000 χ^2/NDF:6389158.1/33

All: 0.001+/-0.000 χ^2/NDF: 10450724.8/63

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.005+/-0.004 χ^2/NDF: 56.3/28

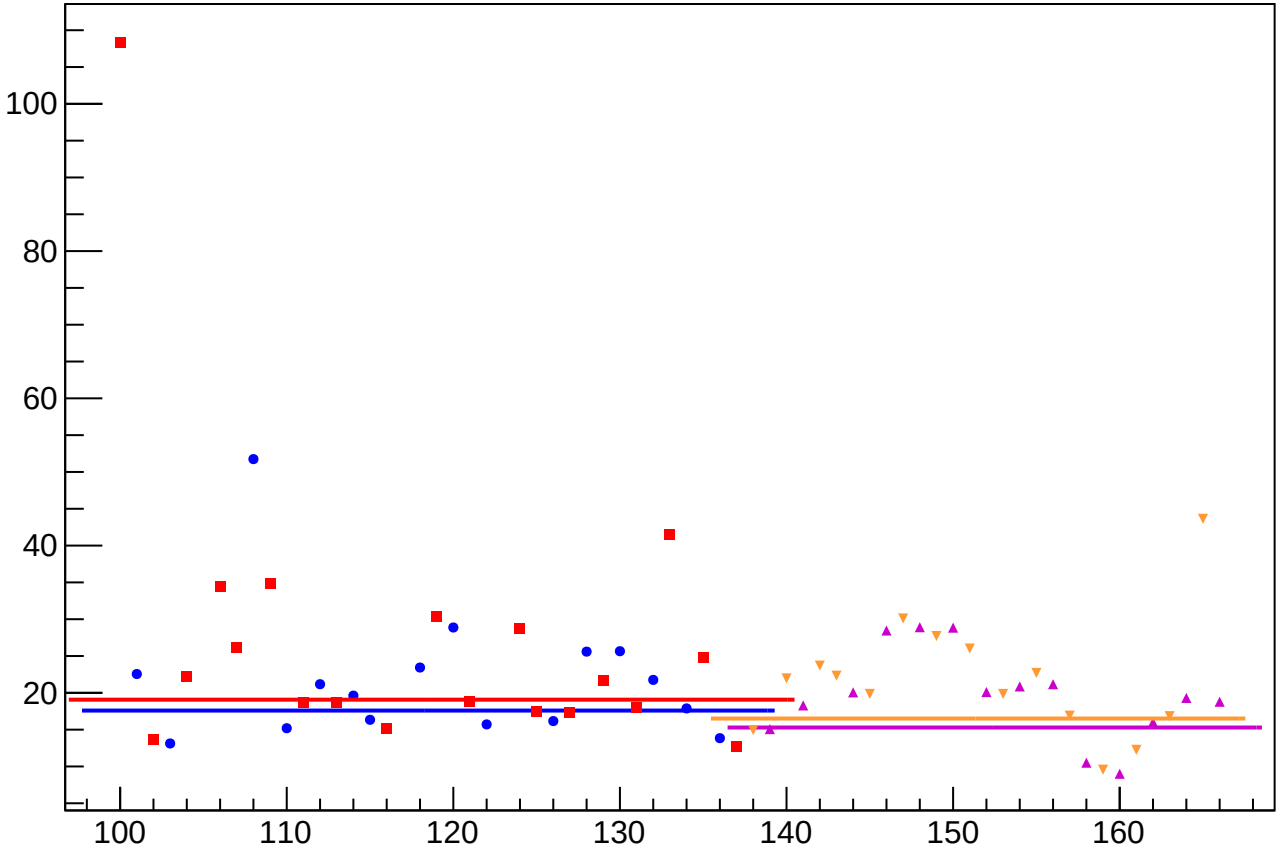
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.3/29

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.9/63

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778605.1/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.289+/-0.004 χ^2/NDF:2704349.3/13

Left: 15.865+/-0.003 χ^2/NDF: 5538786.1/28

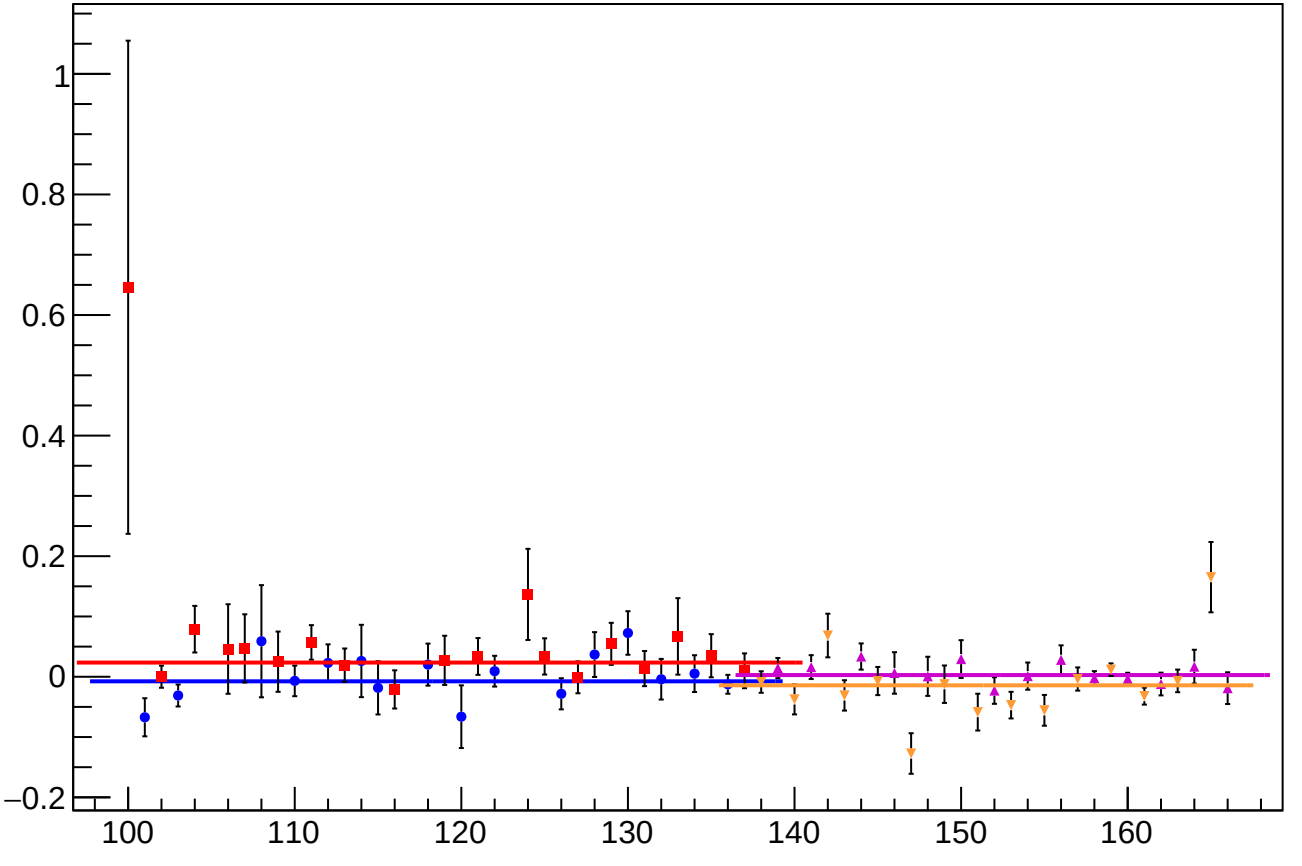
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.042+/-0.003 χ^2/NDF:3835236.8/29

Out: 17.329+/-0.003 χ^2/NDF:4175541.5/33

All: 16.646+/-0.002 χ^2/NDF: 8102482.8/63

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:8.2/13

Left: -0.005+/-0.004 χ^2/NDF: 56.3/28

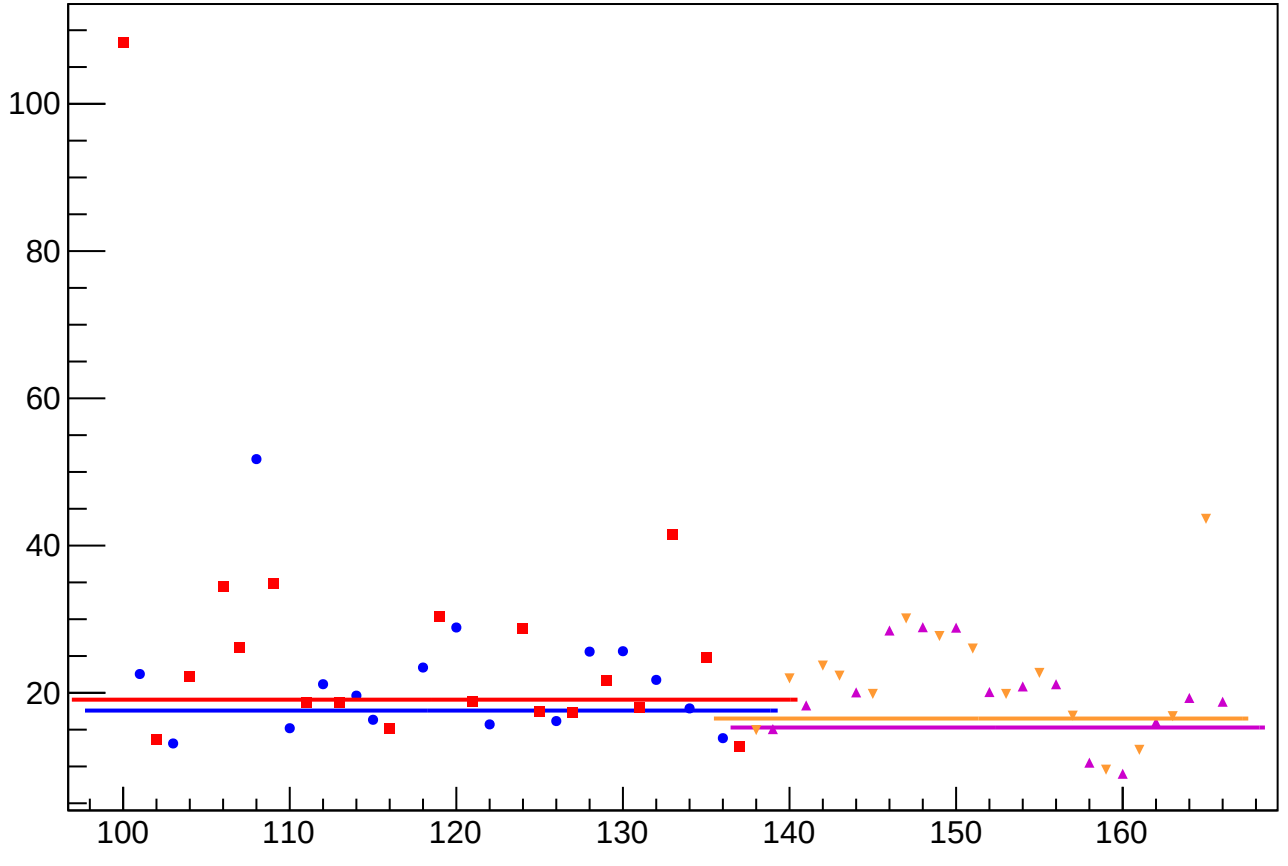
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:26.3/29

Out: -0.002+/-0.004 χ^2/NDF:73.5/33

All: -0.001+/-0.003 χ^2/NDF: 99.9/63

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778605.1/14

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.289+/-0.004 χ^2/NDF:2704349.3/13

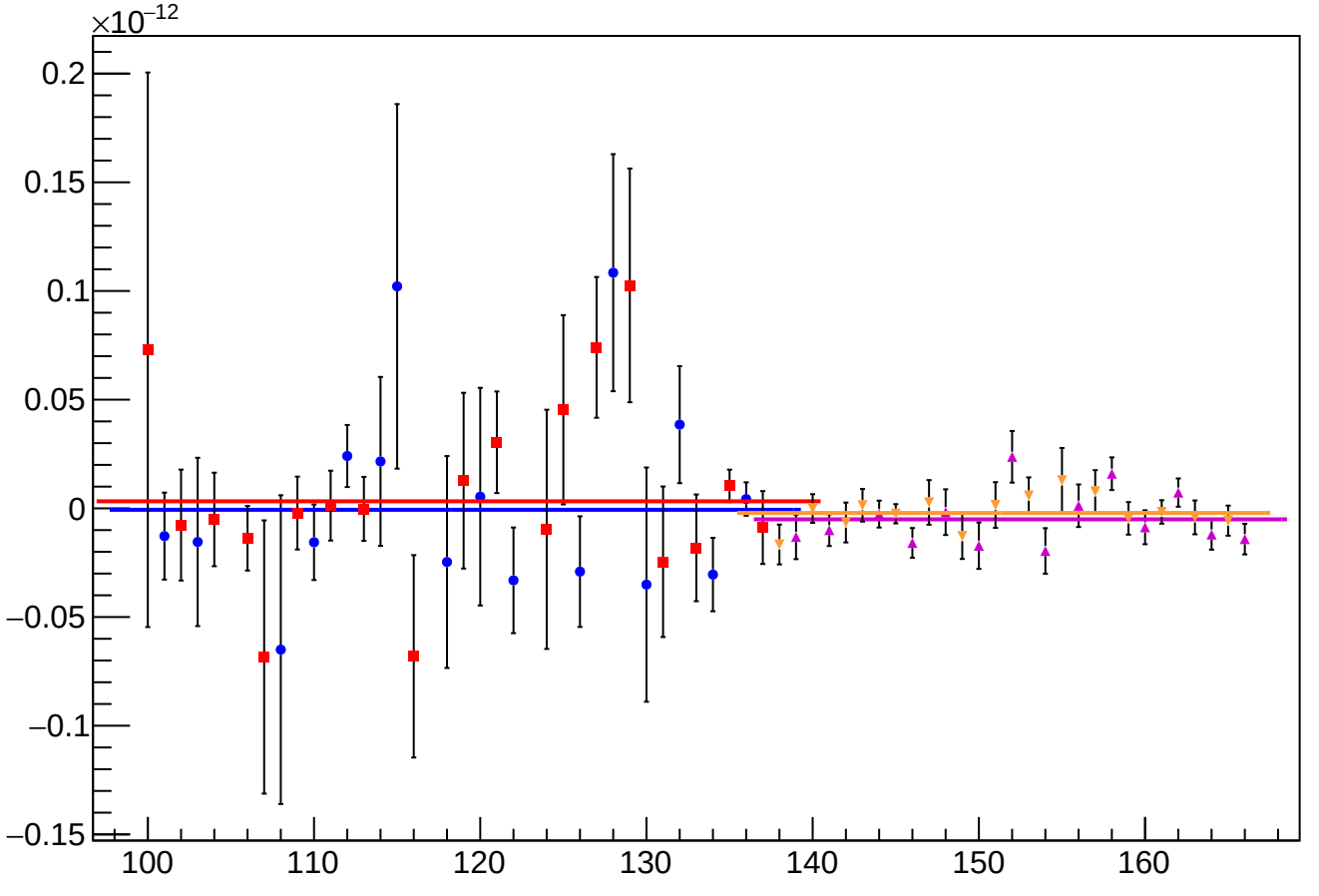
Left: 15.865+/-0.003 χ^2/NDF: 5538786.1/28

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.042+/-0.003 χ^2/NDF:3835236.8/29

Out: 17.329+/-0.003 χ^2/NDF:4175541.5/33

All: 16.646+/-0.002 χ^2/NDF: 8102482.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:27.6/13

Left: -0.000+/-0.000 χ^2/NDF: 36.5/28

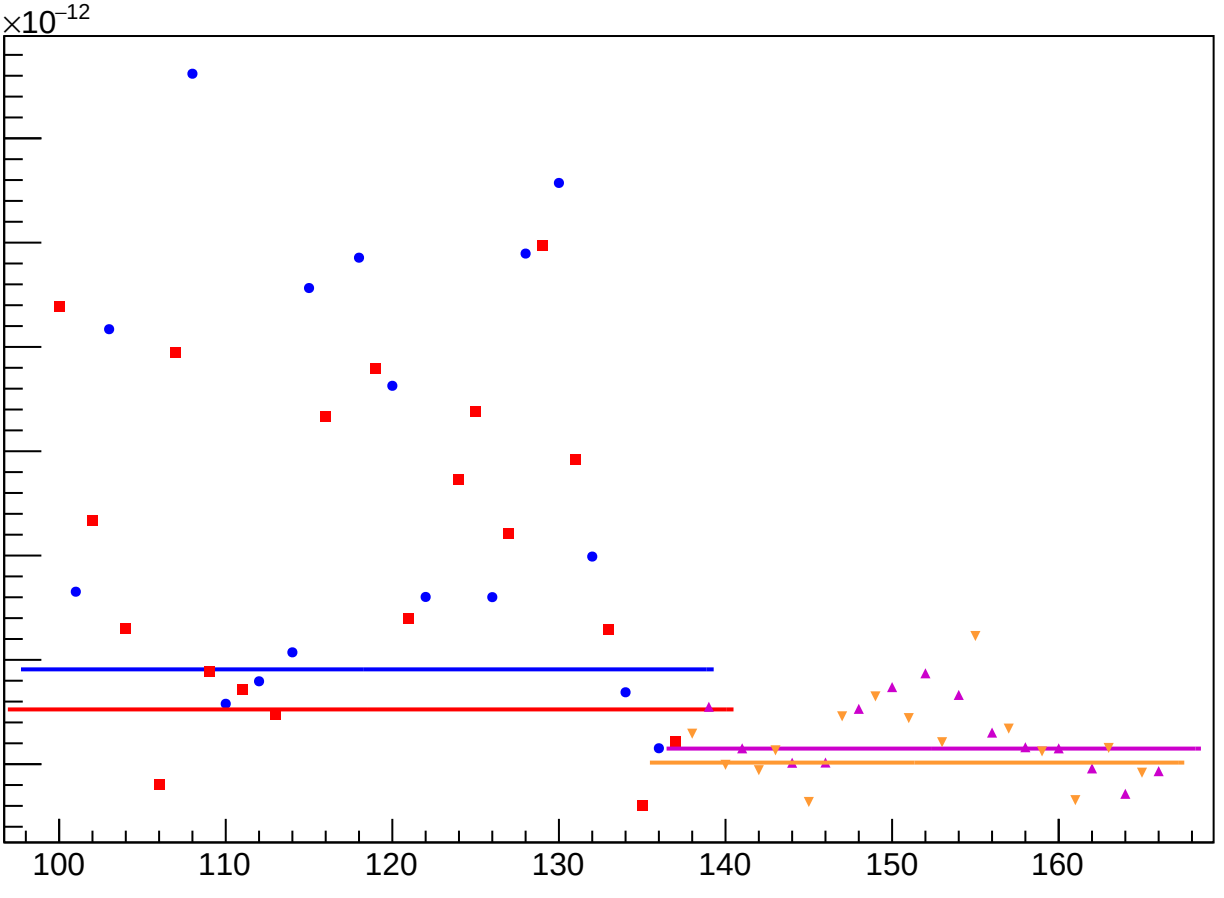
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:48.5/29

Out: -0.000+/-0.000 χ^2/NDF:28.2/33

All: -0.000+/-0.000 χ^2/NDF: 78.1/63

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459940.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:939117.6/13

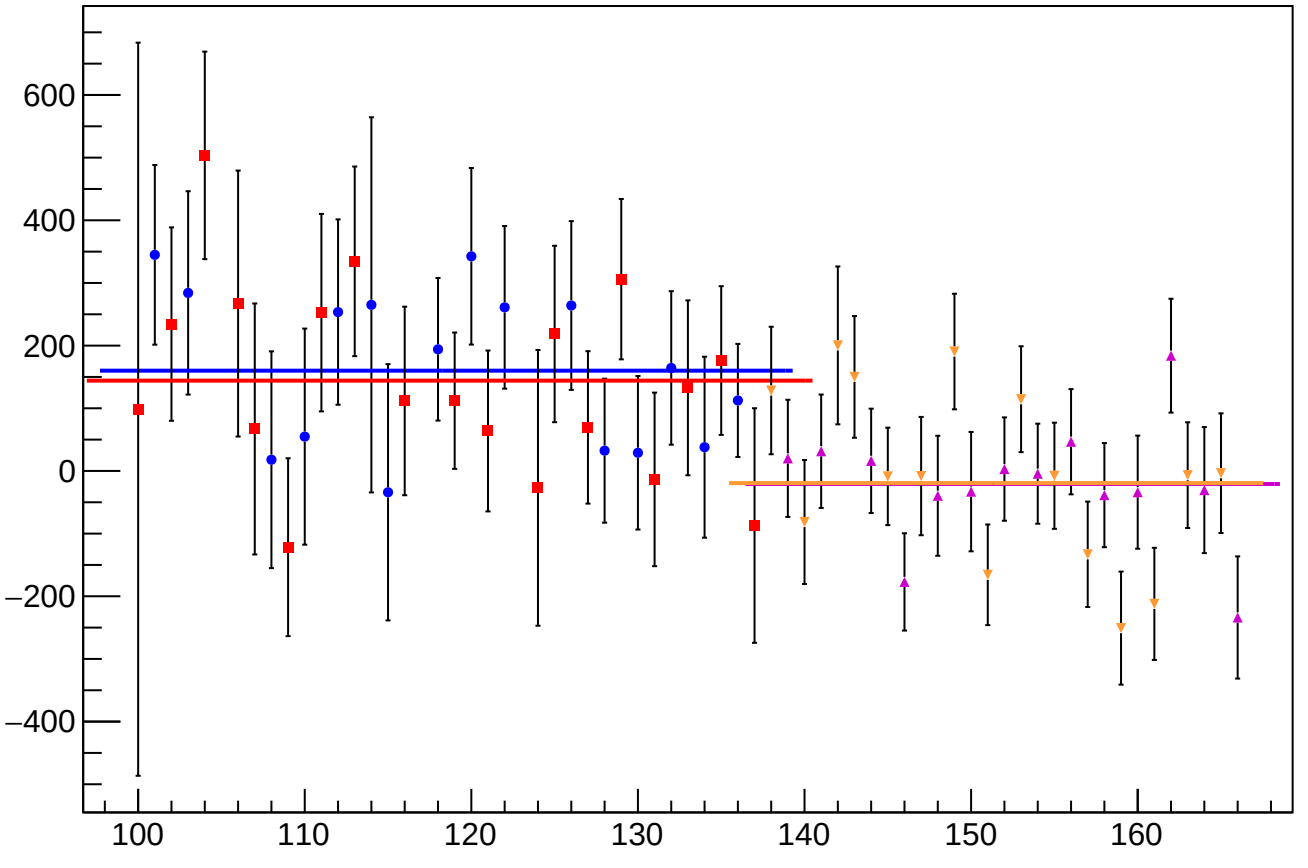
Left: 0.000+/-0.000 χ^2/NDF: 2506803.8/28

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:4525229.5/29

Out: 0.000+/-0.000 χ^2/NDF:5088914.9/33

All: 0.000+/-0.000 χ^2/NDF: 9813153.0/63



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.359+/-23.331 χ^2/NDF:32.8/14

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -20.839+/-23.541 χ^2/NDF:15.5/13

Left: -20.092+/-16.571 χ^2/NDF: 48.3/28

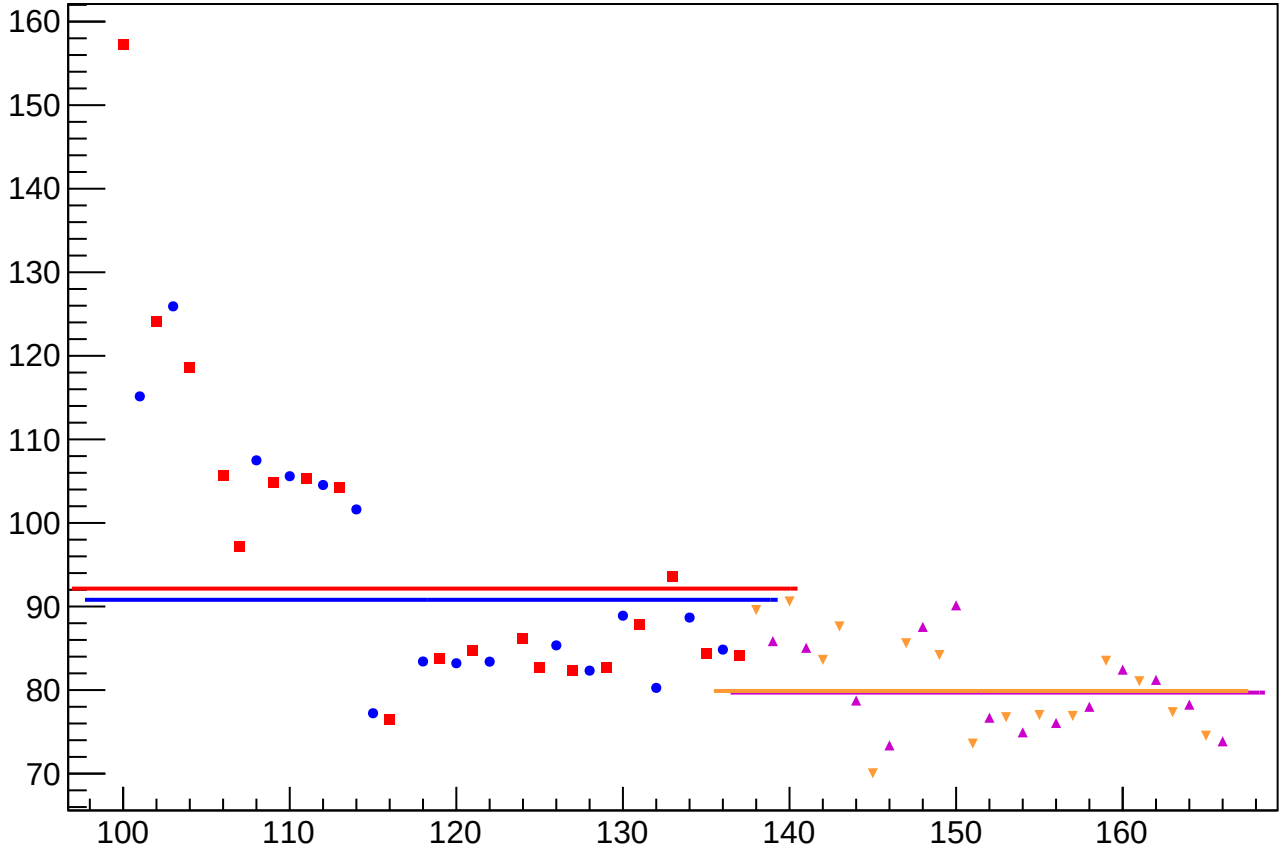
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 37.377+/-19.386 χ^2/NDF:45.6/29

Out: 32.530+/-19.276 χ^2/NDF:65.7/33

All: 34.940+/-13.669 χ^2/NDF: 111.4/63

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.796+/-0.012 χ^2/NDF: 222435.3/28

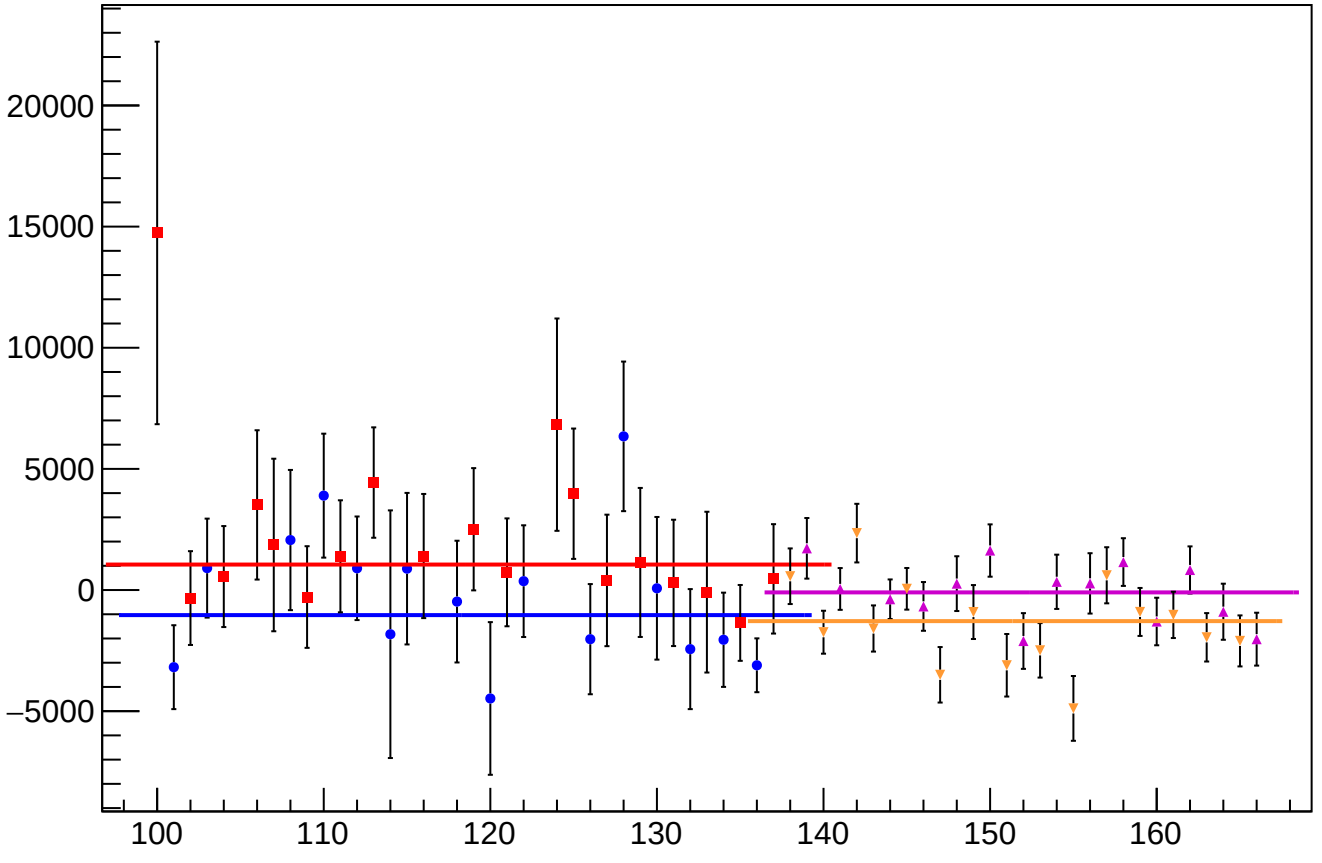
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 83.271+/-0.014 χ^2/NDF:507070.2/29

Out: 83.781+/-0.014 χ^2/NDF:608308.0/33

All: 83.527+/-0.010 χ^2/NDF: 1116073.5/63

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1283.264+/-272.620 χ^2/NDF:32.6/14

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -97.649+/-277.136 χ^2/NDF:16.2/13

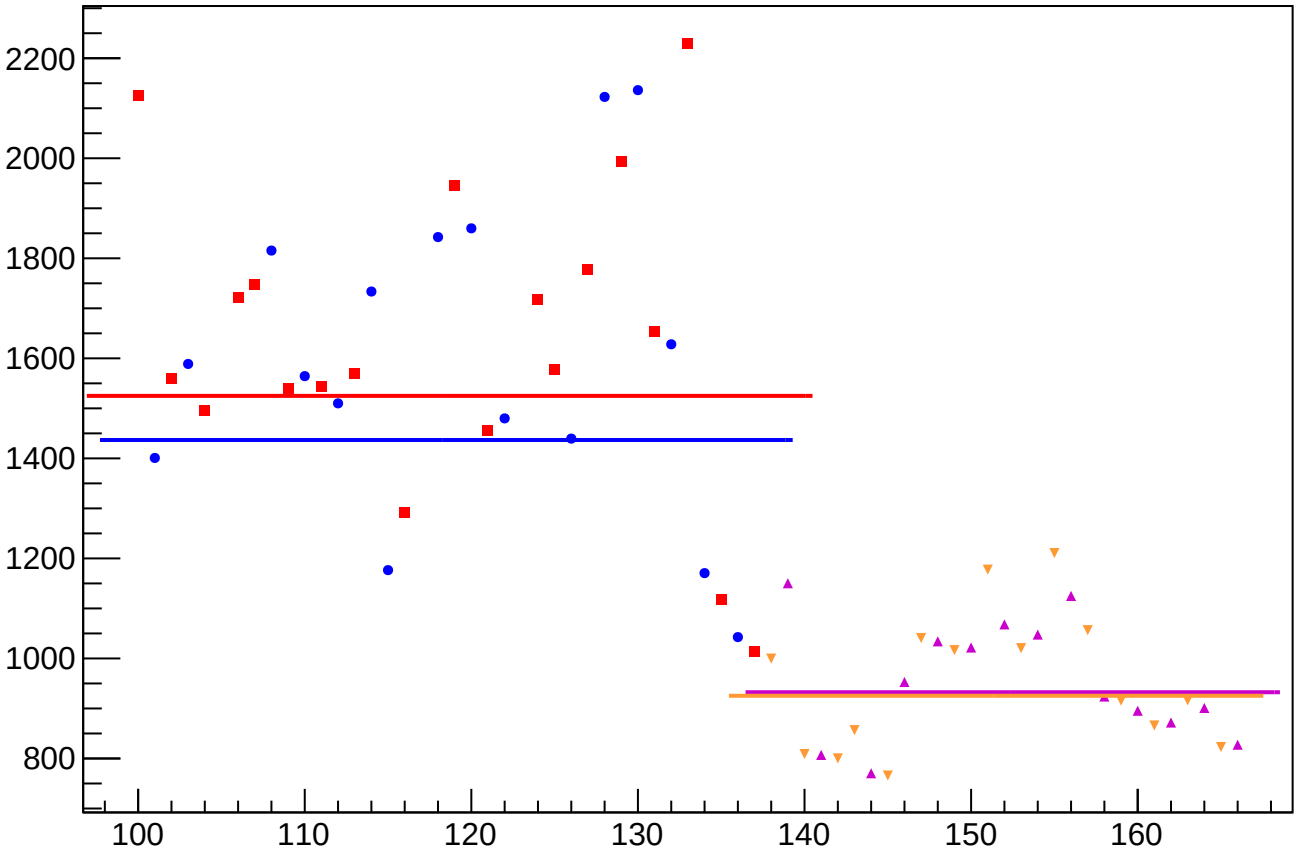
Left: -700.197+/-194.348 χ^2/NDF: 58.1/28

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -287.344+/-247.511 χ^2/NDF:38.7/29

Out: -847.282+/-245.852 χ^2/NDF:59.2/33

All: -569.196+/-174.427 χ^2/NDF: 100.5/63



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 925.395+/-0.193 χ^2/NDF:411777.4/14

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.6/13

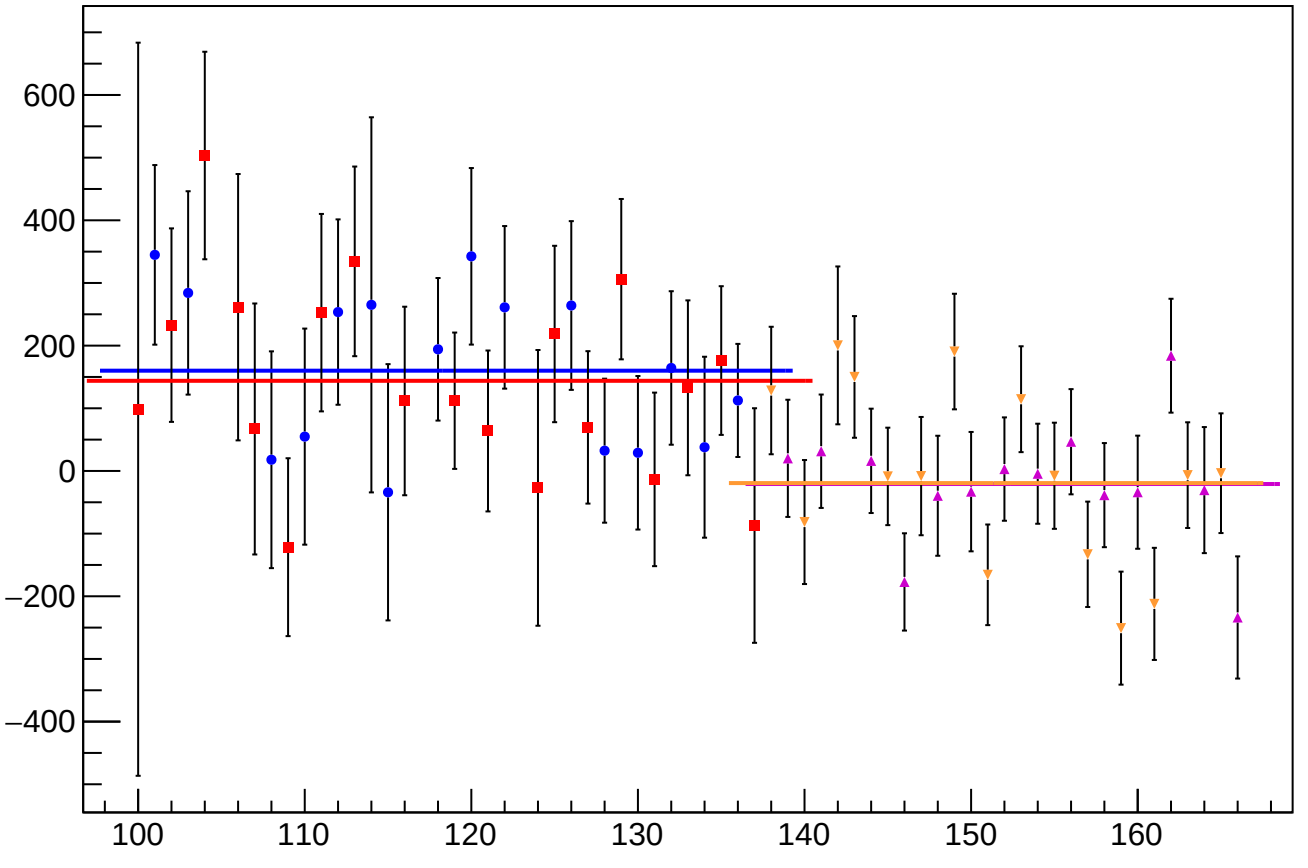
Left: 928.877+/-0.137 χ^2/NDF: 752243.6/28

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1034.521+/-0.175 χ^2/NDF:2355423.1/29

Out: 1037.353+/-0.174 χ^2/NDF:2722701.3/33

All: 1035.946+/-0.123 χ^2/NDF: 5078256.2/63



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.839+/-23.541 χ^2/NDF:15.5/13

Left: -20.091+/-16.571 χ^2/NDF: 48.3/28

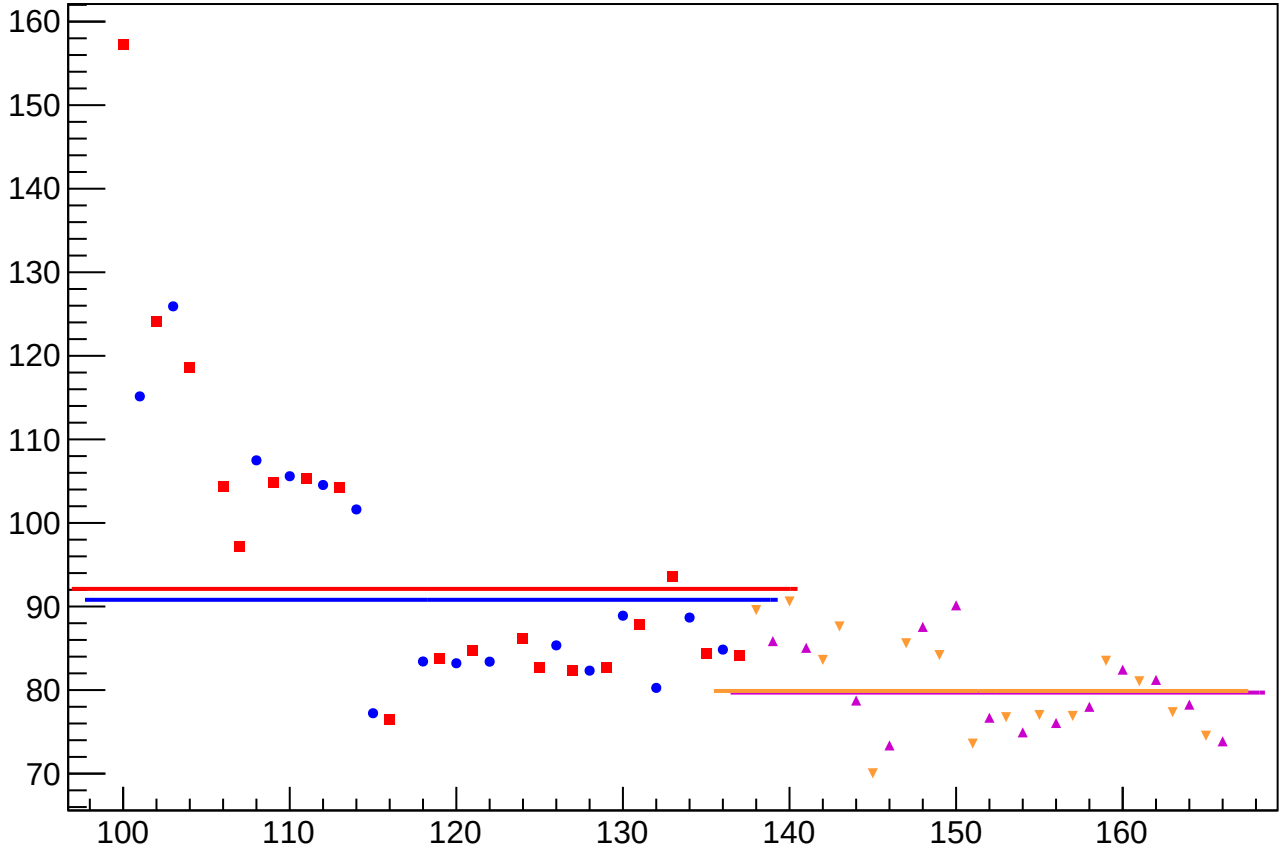
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 37.375+/-19.386 χ^2/NDF:45.6/29

Out: 32.447+/-19.276 χ^2/NDF:65.6/33

All: 34.897+/-13.669 χ^2/NDF: 111.3/63

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.796+/-0.012 χ^2/NDF: 222435.4/28

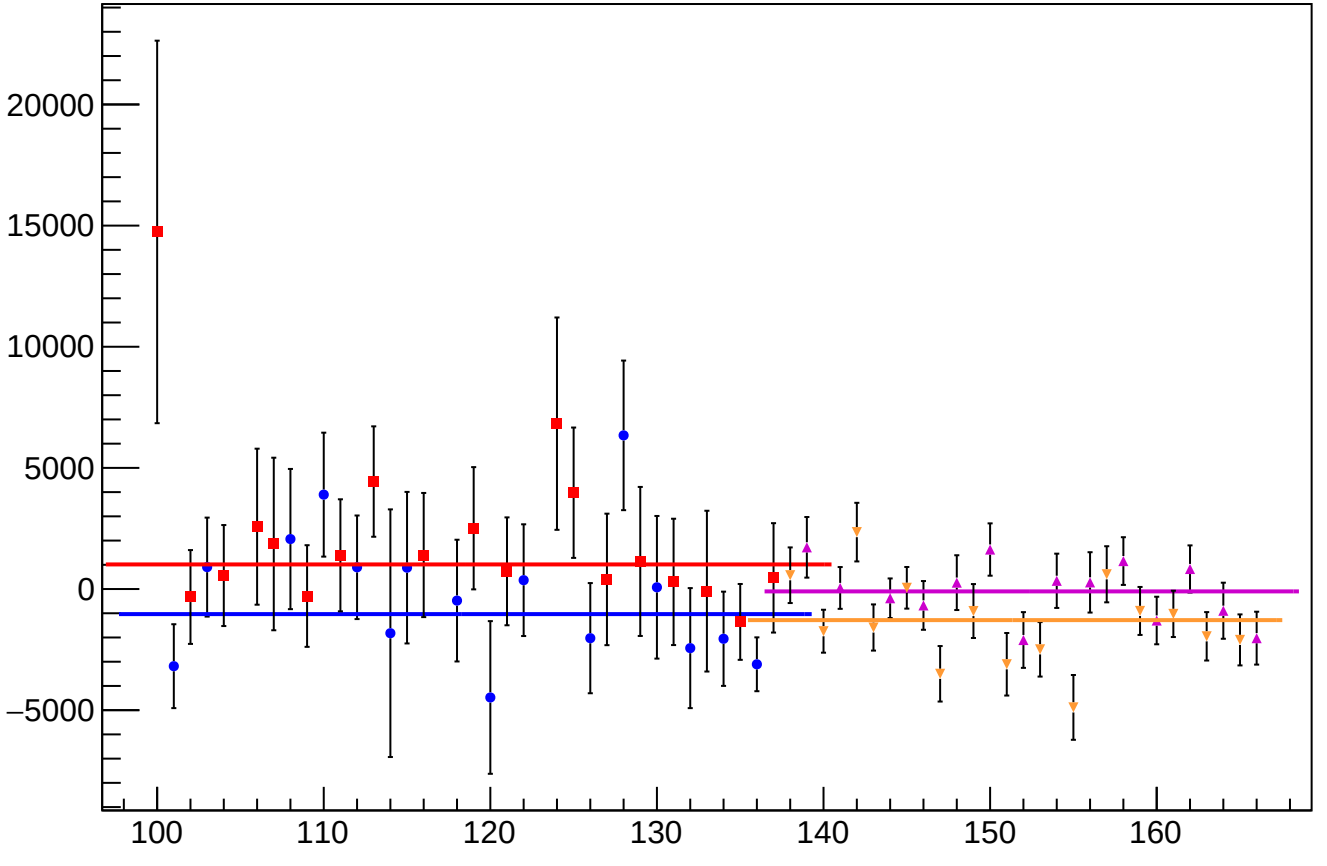
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.271+/-0.014 χ^2/NDF:507072.1/29

Out: 83.770+/-0.014 χ^2/NDF:606084.9/33

All: 83.522+/-0.010 χ^2/NDF: 1113823.1/63

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1283.260+/-272.620 χ^2/NDF:32.6/14

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -97.646+/-277.136 χ^2/NDF:16.2/13

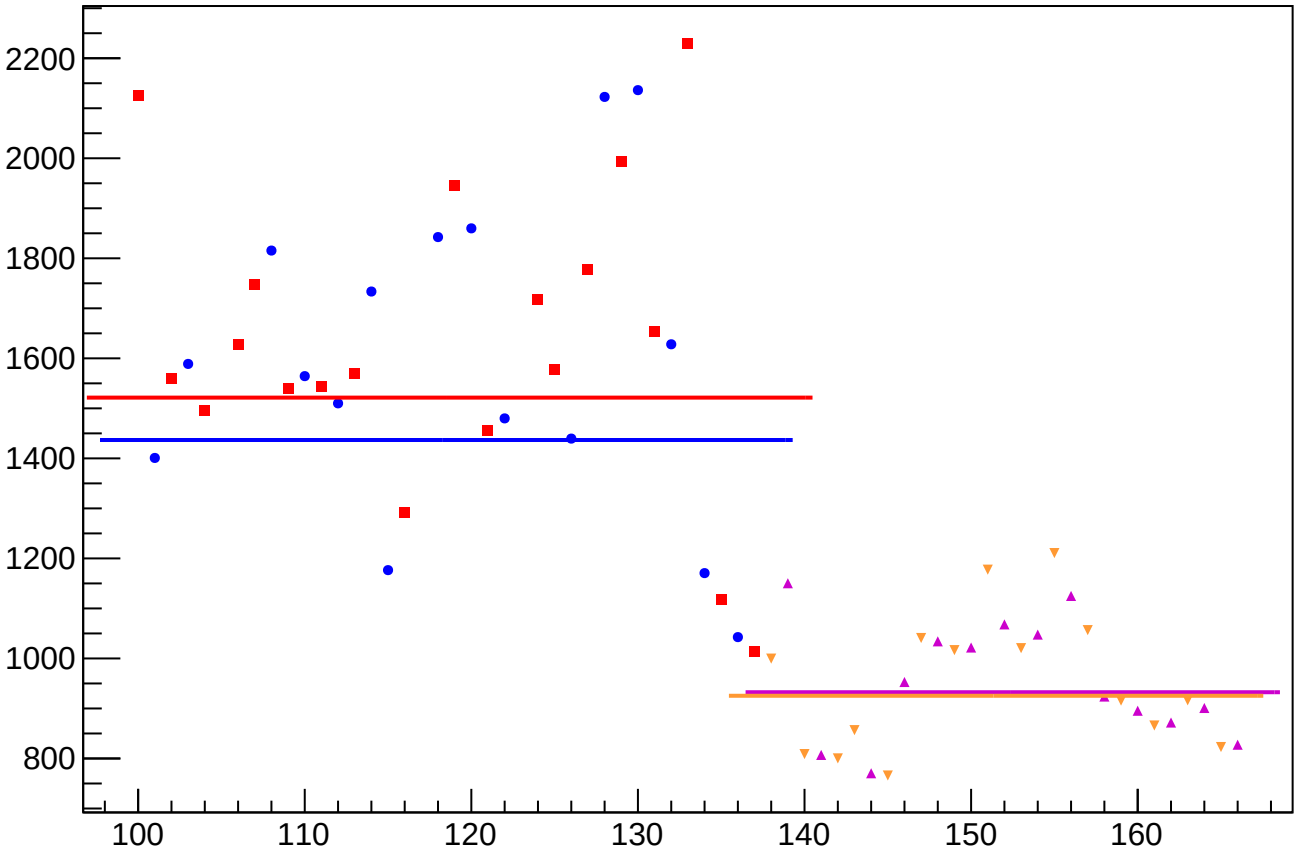
Left: -700.193+/-194.348 χ^2/NDF: 58.1/28

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -287.336+/-247.512 χ^2/NDF:38.7/29

Out: -855.052+/-245.919 χ^2/NDF:58.3/33

All: -573.026+/-174.451 χ^2/NDF: 99.7/63



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.9/13

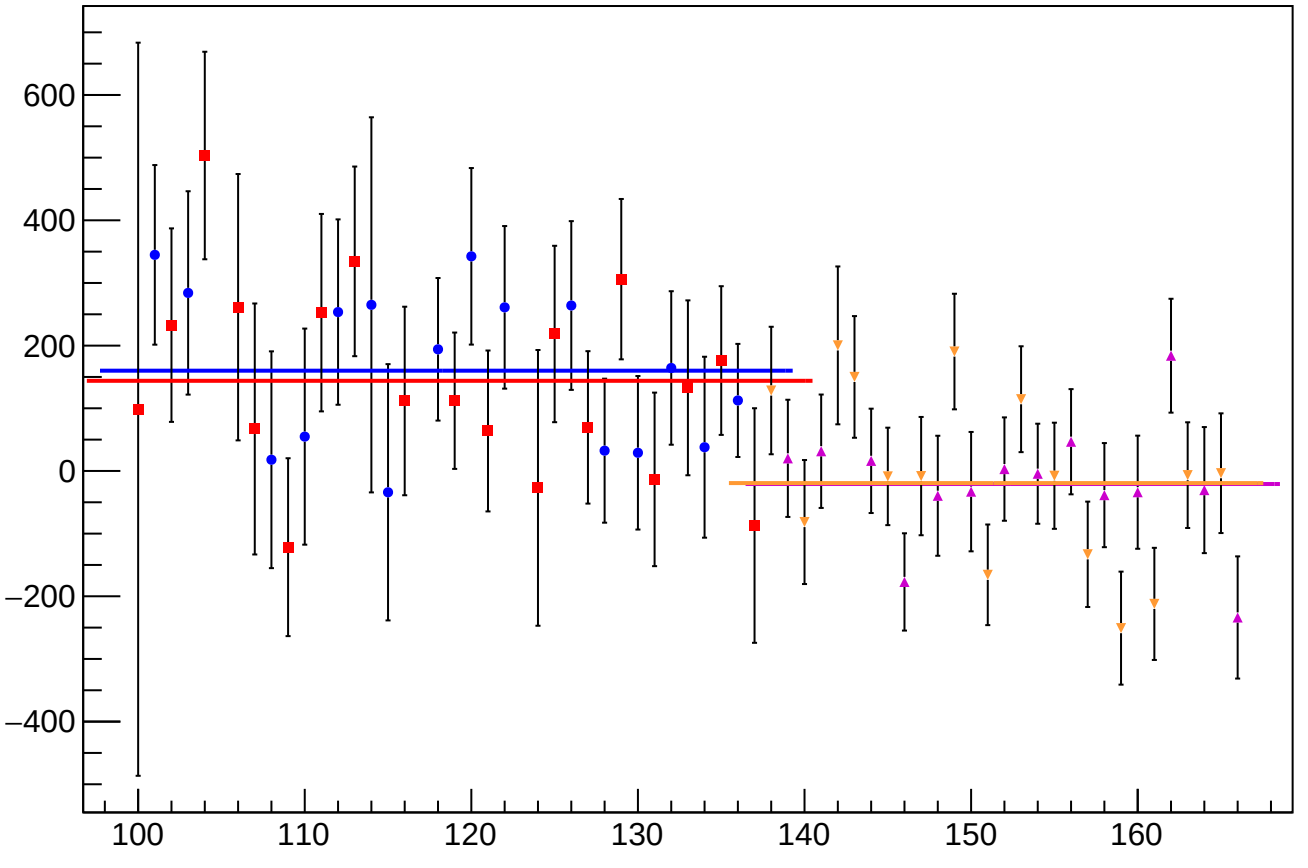
Left: 928.877+/-0.137 χ^2/NDF: 752244.6/28

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1034.521+/-0.175 χ^2/NDF:2355444.2/29

Out: 1036.440+/-0.174 χ^2/NDF:2691448.2/33

All: 1035.487+/-0.123 χ^2/NDF: 5046952.9/63



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.839+/-23.541 χ^2/NDF:15.5/13

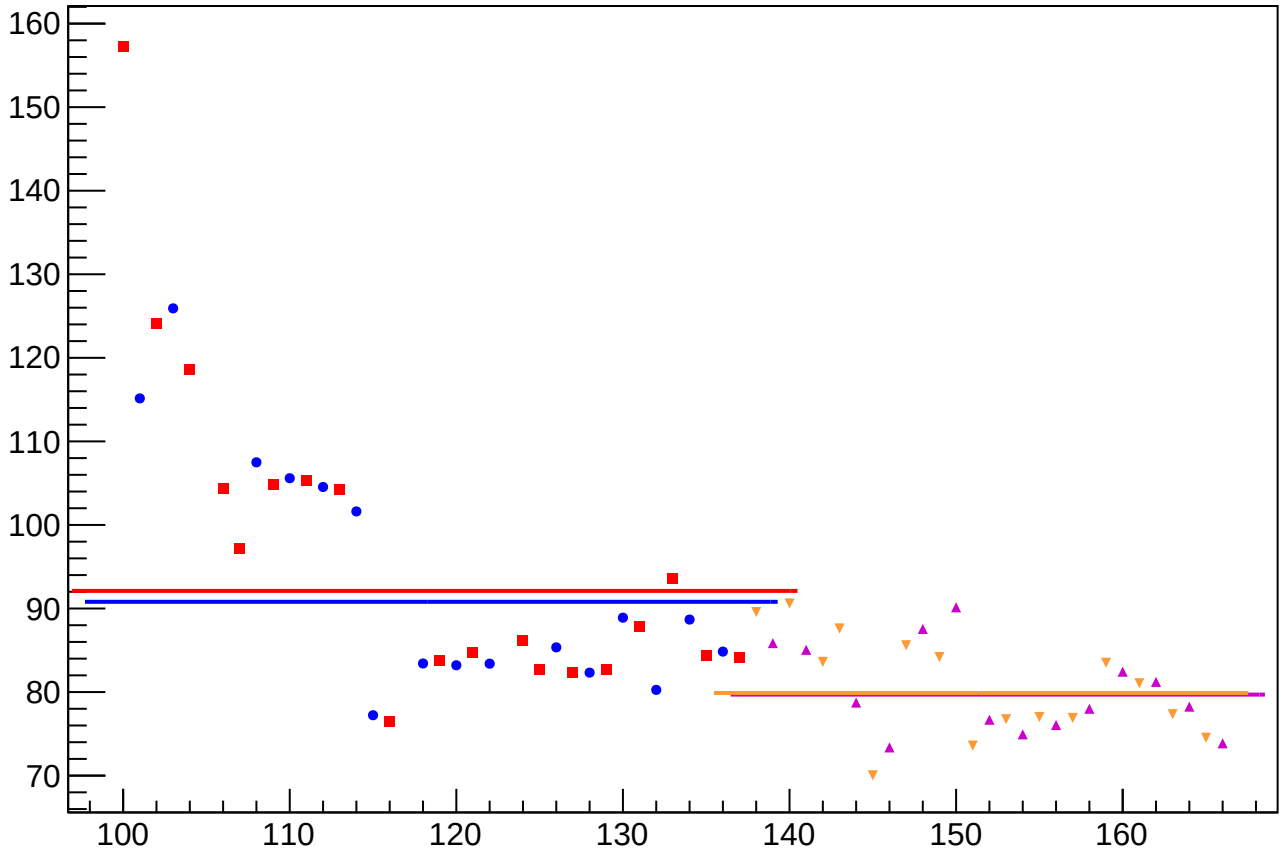
Left: -20.091+/-16.571 χ^2/NDF: 48.3/28

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 37.375+/-19.386 χ^2/NDF:45.6/29

Out: 32.447+/-19.276 χ^2/NDF:65.6/33

All: 34.897+/-13.669 χ^2/NDF: 111.3/63



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.696+/-0.017 χ^2/NDF:91053.4/13

Left: 79.796+/-0.012 χ^2/NDF: 222435.4/28

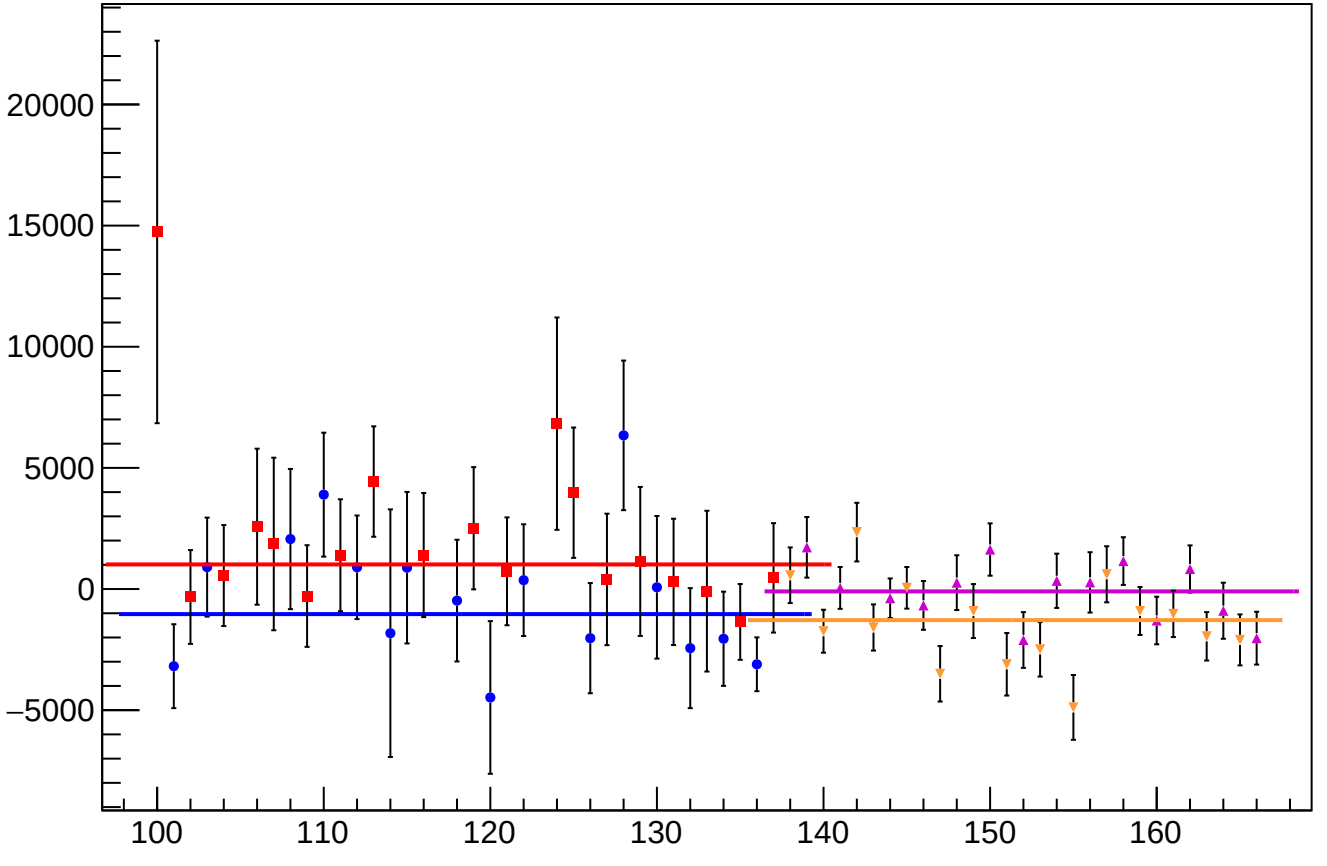
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.271+/-0.014 χ^2/NDF:507072.1/29

Out: 83.770+/-0.014 χ^2/NDF:606084.9/33

All: 83.522+/-0.010 χ^2/NDF: 1113823.1/63

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1283.260+/-272.620 χ^2/NDF:32.6/14

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -97.646+/-277.136 χ^2/NDF:16.2/13

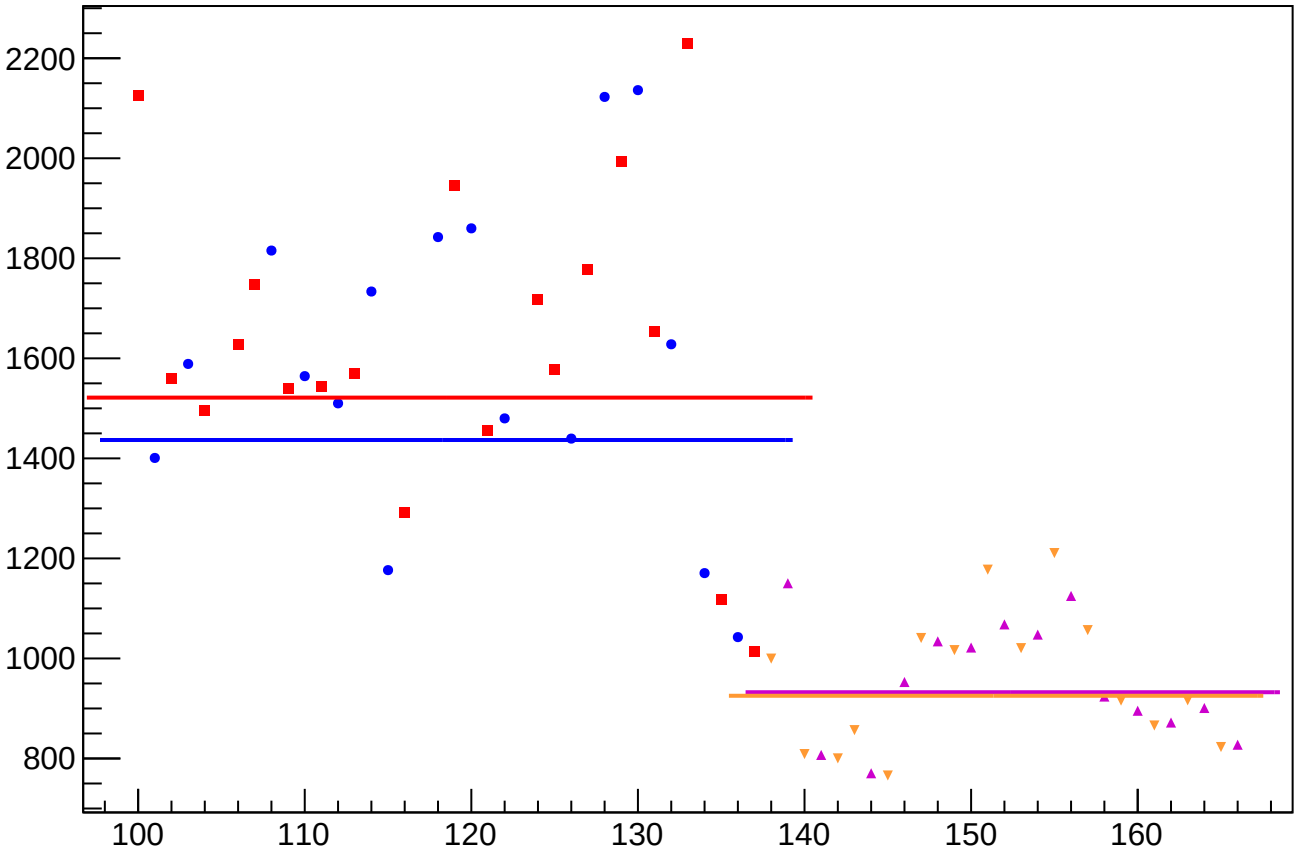
Left: -700.193+/-194.348 χ^2/NDF: 58.1/28

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -287.336+/-247.512 χ^2/NDF:38.7/29

Out: -855.052+/-245.919 χ^2/NDF:58.3/33

All: -573.026+/-174.451 χ^2/NDF: 99.7/63



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 932.476+/-0.196 χ^2/NDF:339802.9/13

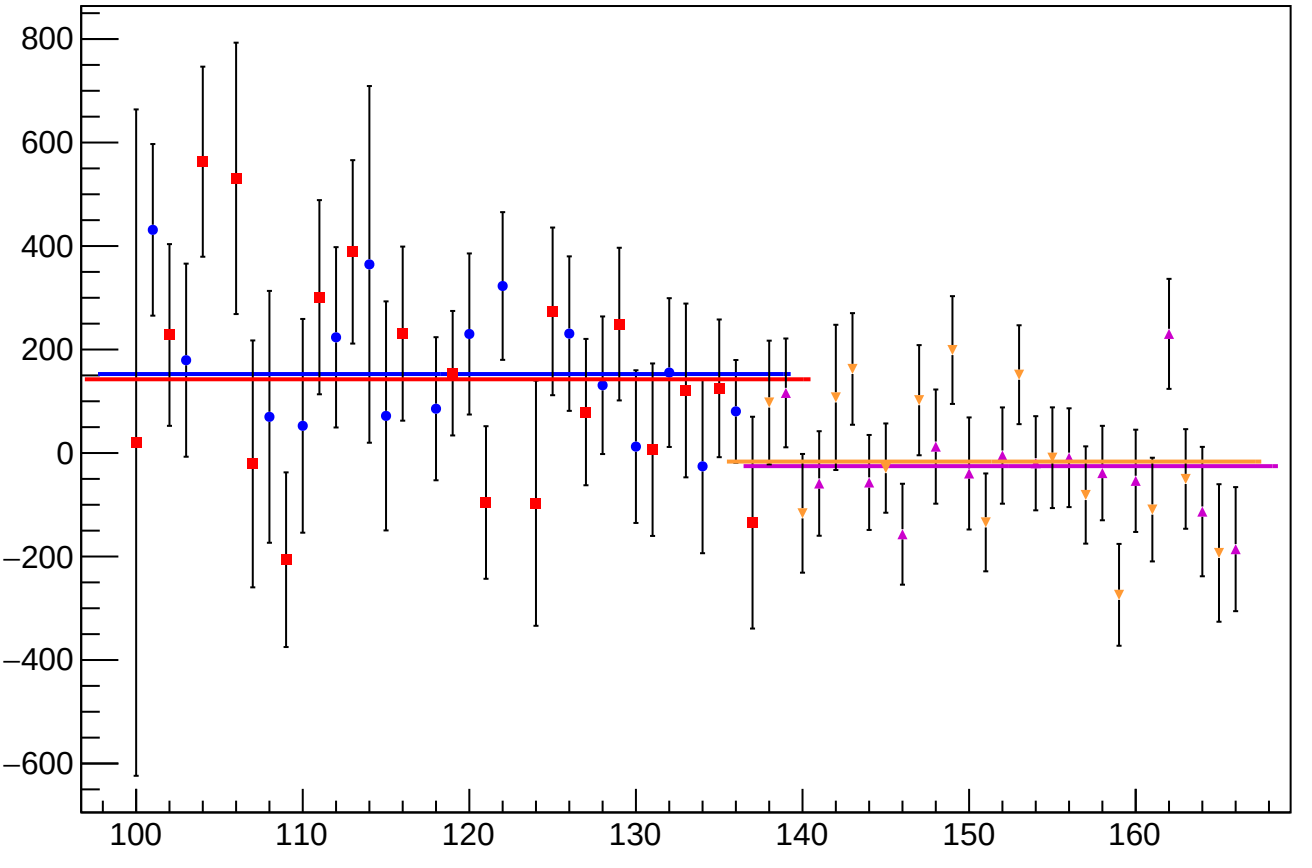
Left: 928.877+/-0.137 χ^2/NDF: 752244.6/28

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1034.521+/-0.175 χ^2/NDF:2355444.2/29

Out: 1036.440+/-0.174 χ^2/NDF:2691448.2/33

All: 1035.487+/-0.123 χ^2/NDF: 5046952.9/63



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -16.535+/-26.677 χ^2/NDF:25.5/14

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -25.349+/-27.013 χ^2/NDF:12.2/13

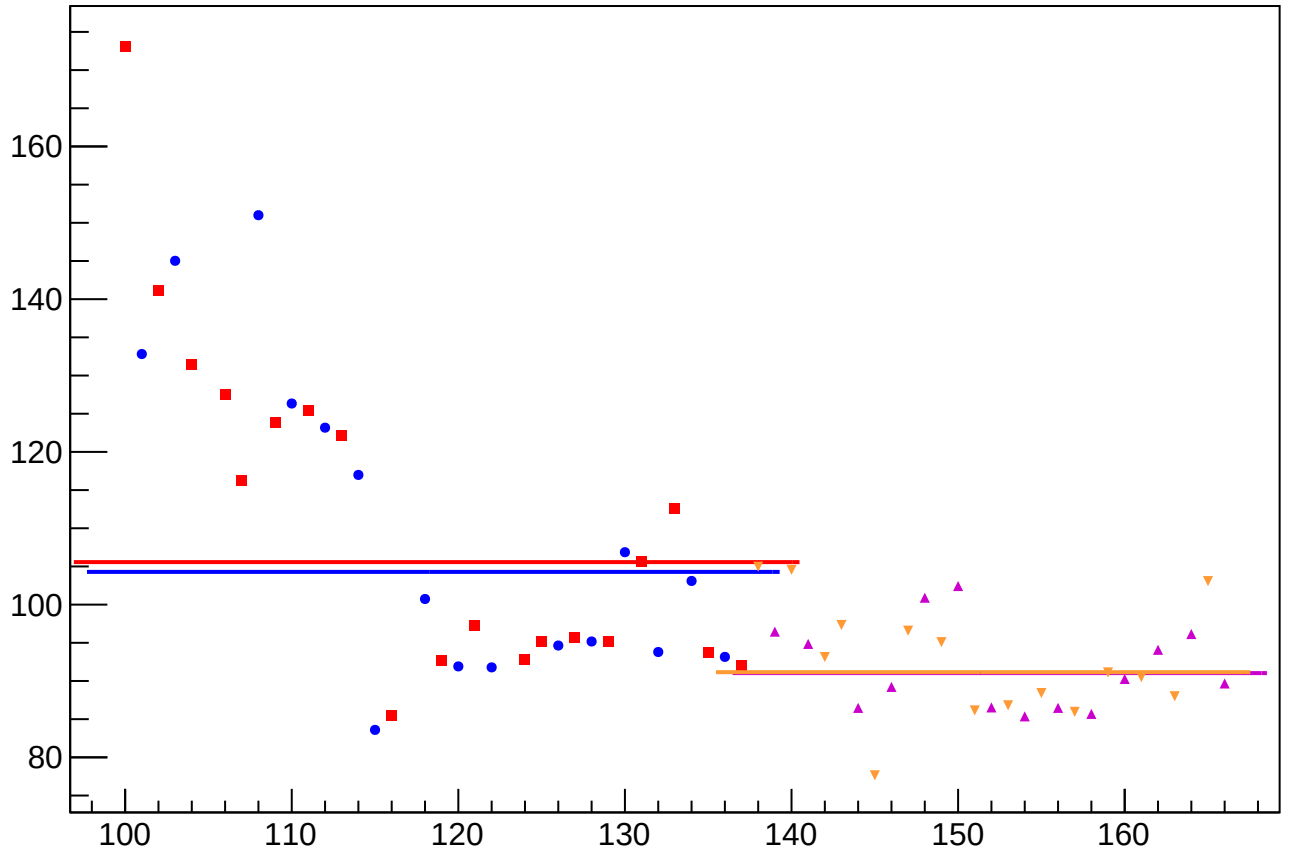
Left: -20.887+/-18.981 χ^2/NDF: 37.8/28

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 31.468+/-22.288 χ^2/NDF:34.7/29

Out: 33.559+/-22.080 χ^2/NDF:59.6/33

All: 32.523+/-15.686 χ^2/NDF: 94.3/63



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.153+/-0.019 χ^2/NDF:153842.9/14

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.032+/-0.019 χ^2/NDF:81210.2/13

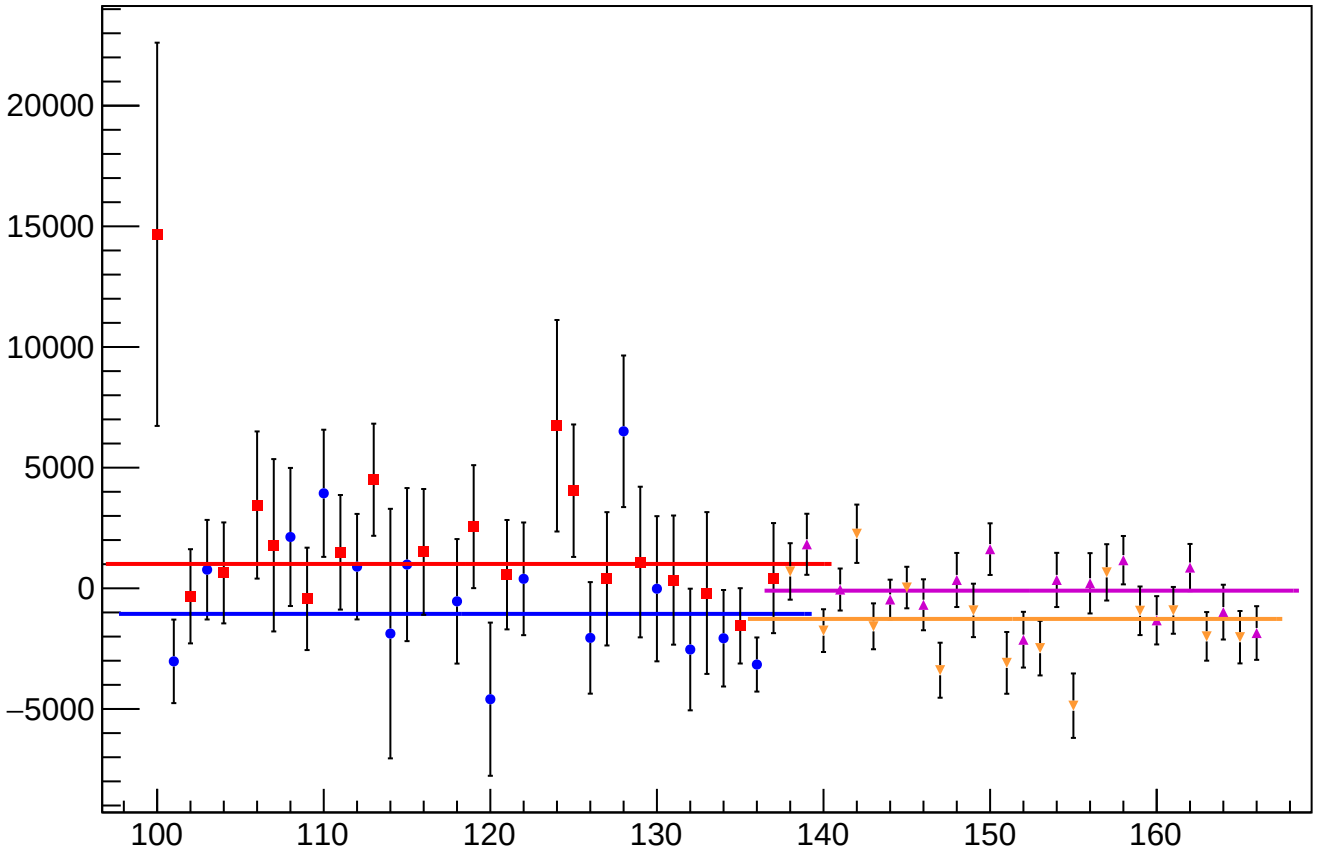
Left: 91.094+/-0.013 χ^2/NDF: 235073.3/28

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.264+/-0.016 χ^2/NDF:613226.2/29

Out: 95.694+/-0.016 χ^2/NDF:682388.4/33

All: 95.481+/-0.011 χ^2/NDF: 1295990.8/63



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1268.104+/-274.187 χ^2/NDF:32.0/14

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -97.196+/-279.422 χ^2/NDF:16.0/13

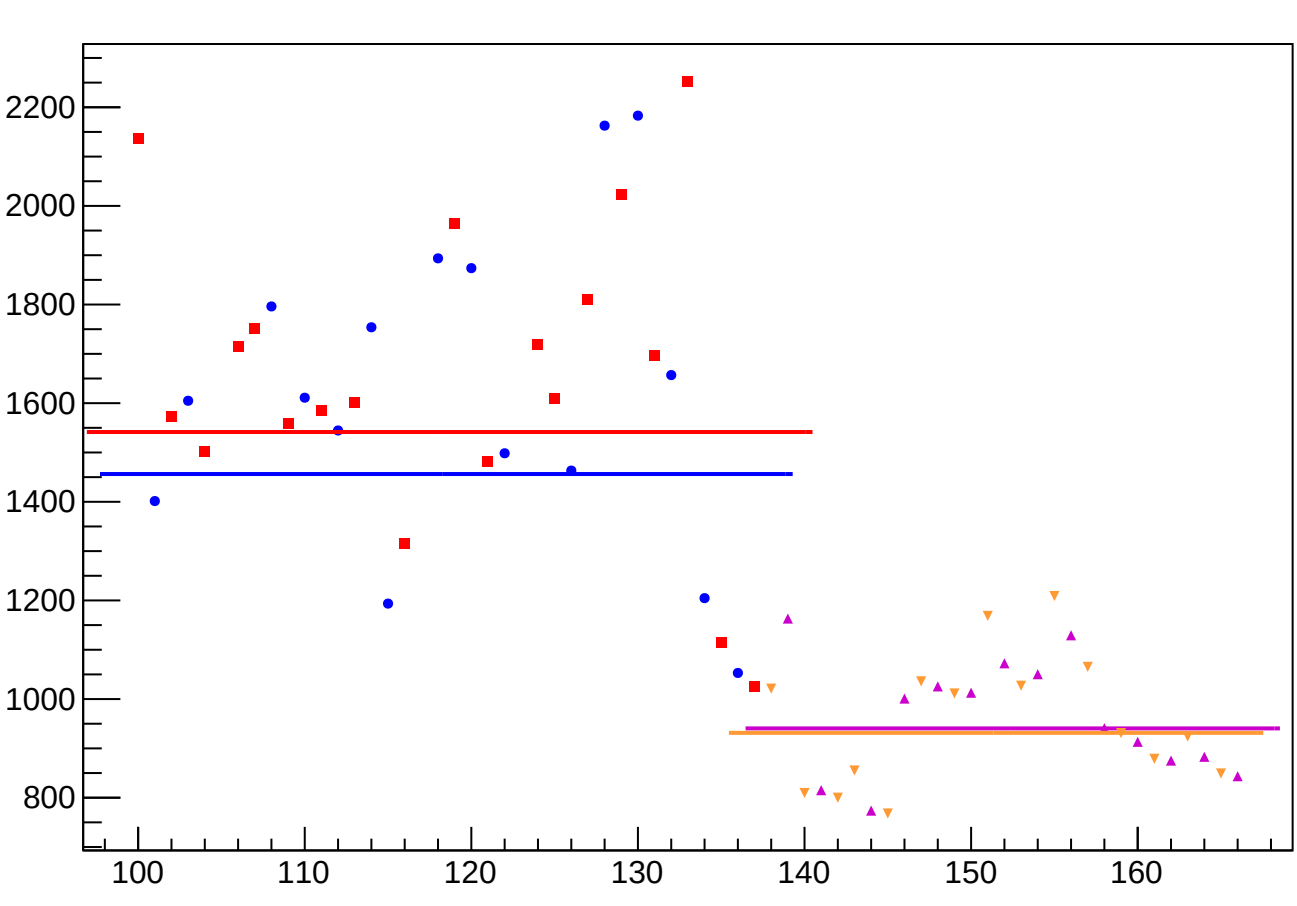
Left: -693.720+/-195.704 χ^2/NDF: 57.0/28

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -290.290+/-249.815 χ^2/NDF:38.4/29

Out: -846.202+/-247.498 χ^2/NDF:58.1/33

All: -570.836+/-175.821 χ^2/NDF: 99.0/63



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 931.503+/-0.194 χ^2/NDF:398748.5/14

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 940.526+/-0.198 χ^2/NDF:335144.1/13

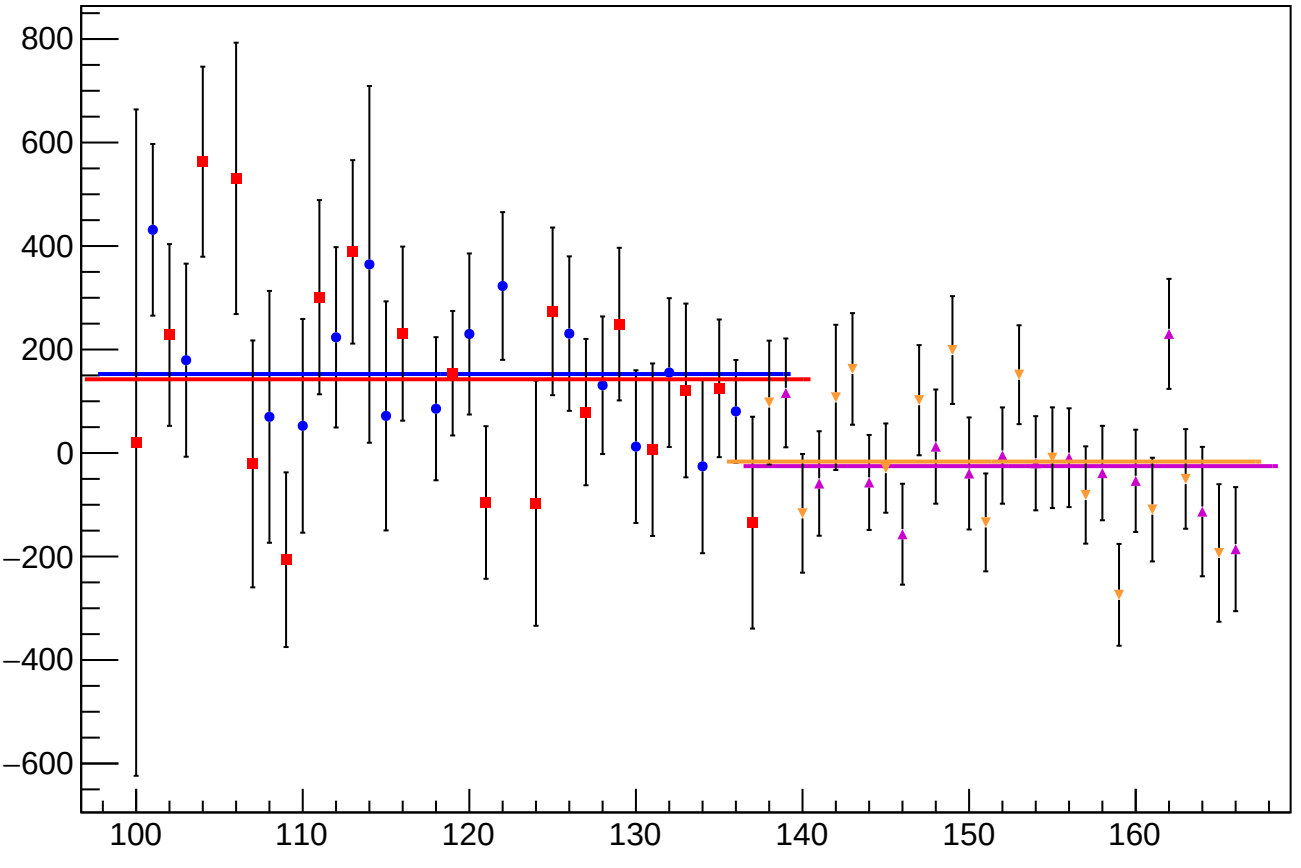
Left: 935.929+/-0.138 χ^2/NDF: 734955.2/28

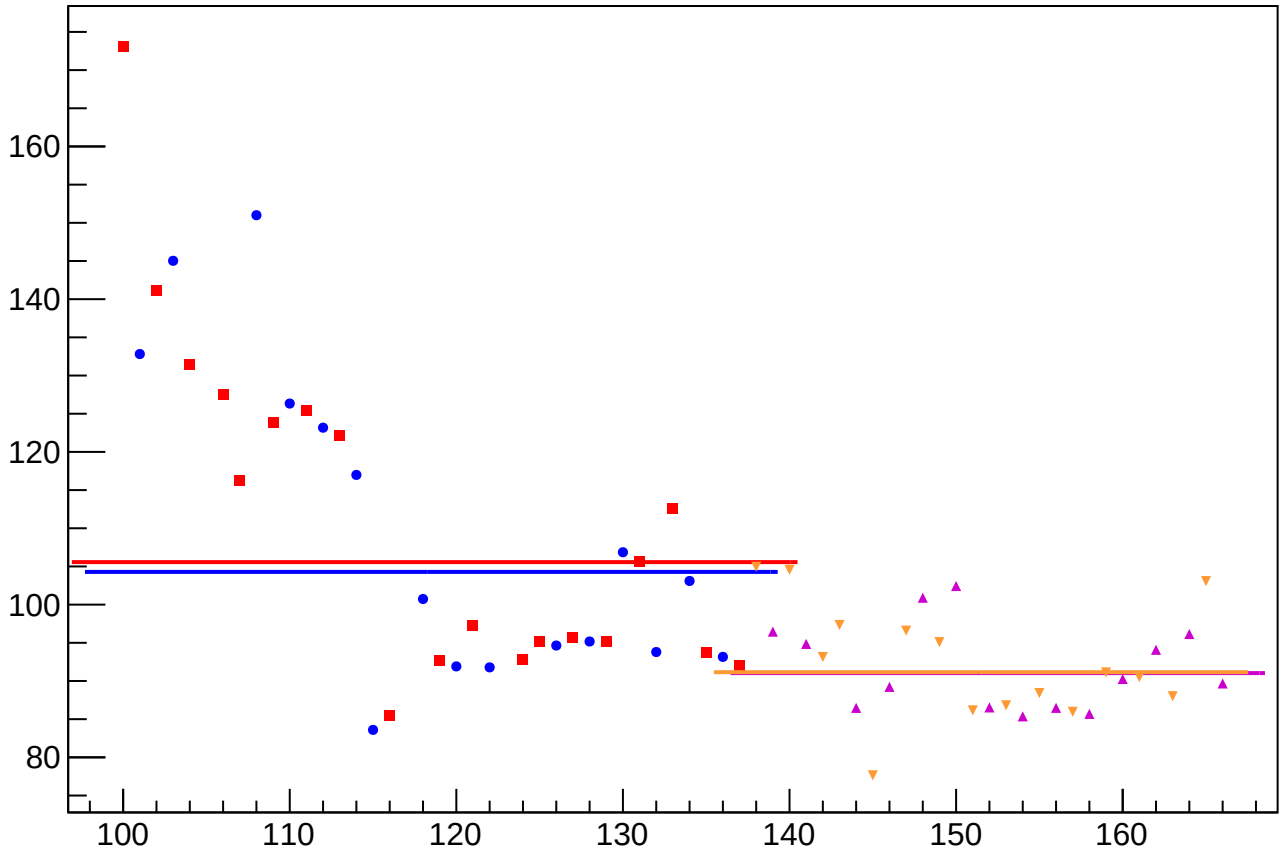
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1044.036+/-0.177 χ^2/NDF:2387539.3/29

Out: 1044.482+/-0.175 χ^2/NDF:2751576.3/33

All: 1044.261+/-0.124 χ^2/NDF: 5139118.8/63


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -16.534+/-26.678 χ²/NDF:25.5/14
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -25.350+/-27.013 χ²/NDF:12.2/13
Left: -20.887+/-18.981 χ²/NDF: 37.8/28
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 31.469+/-22.288 χ²/NDF:34.7/29
Out: 33.560+/-22.080 χ²/NDF:59.6/33
All: 32.524+/-15.686 χ²/NDF: 94.3/63



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.153+/-0.019 χ^2/NDF:153838.2/14

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.032+/-0.019 χ^2/NDF:81209.3/13

Left: 91.094+/-0.013 χ^2/NDF: 235067.8/28

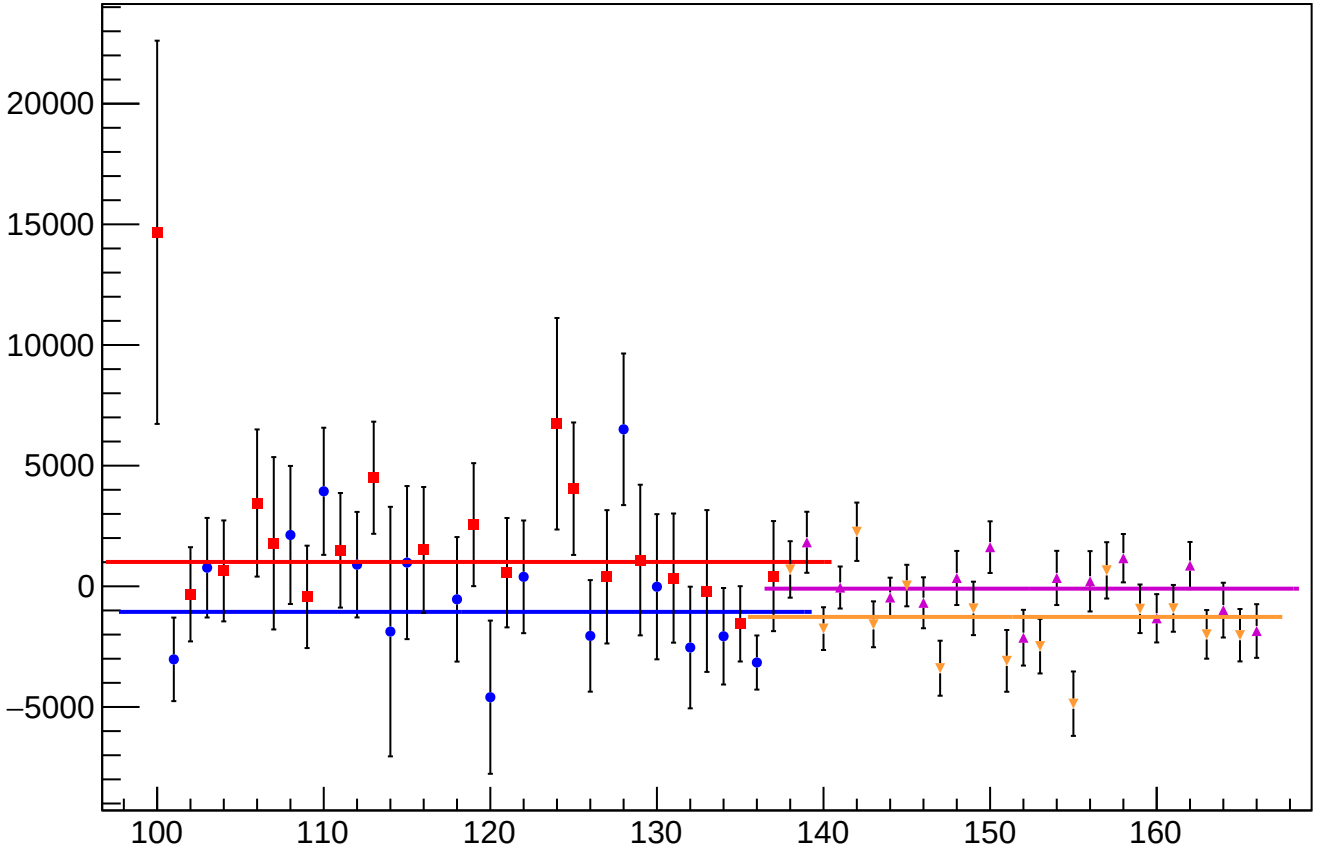
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.263+/-0.016 χ^2/NDF:613206.0/29

Out: 95.694+/-0.016 χ^2/NDF:682362.1/33

All: 95.481+/-0.011 χ^2/NDF: 1295944.7/63

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1268.102+/-274.187 χ^2/NDF:32.0/14

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -97.197+/-279.421 χ^2/NDF:16.0/13

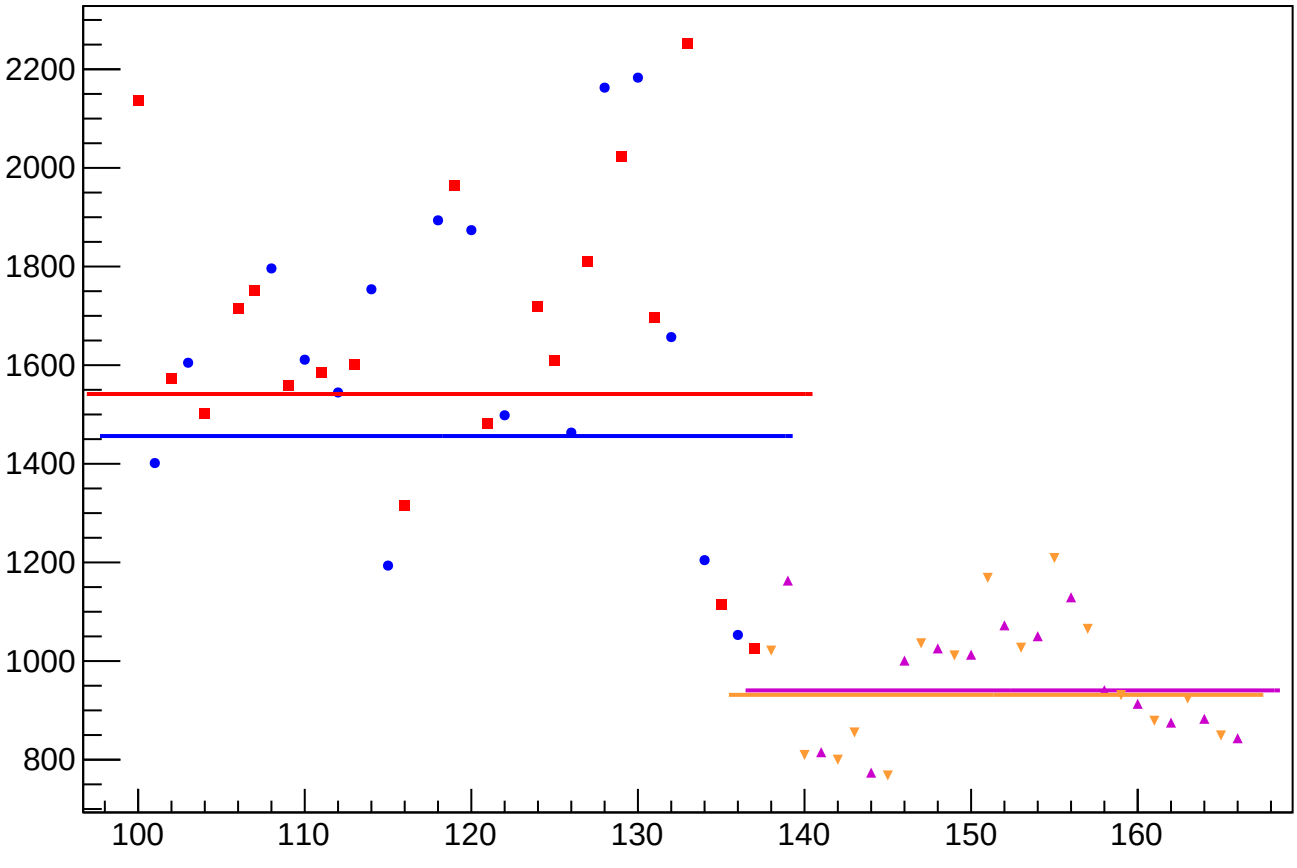
Left: -693.720+/-195.704 χ^2/NDF: 57.0/28

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -290.290+/-249.814 χ^2/NDF:38.4/29

Out: -846.201+/-247.497 χ^2/NDF:58.1/33

All: -570.835+/-175.821 χ^2/NDF: 99.0/63



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 931.502+/-0.194 χ^2/NDF:398751.3/14

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 940.525+/-0.198 χ^2/NDF:335145.6/13

Left: 935.928+/-0.138 χ^2/NDF: 734959.4/28

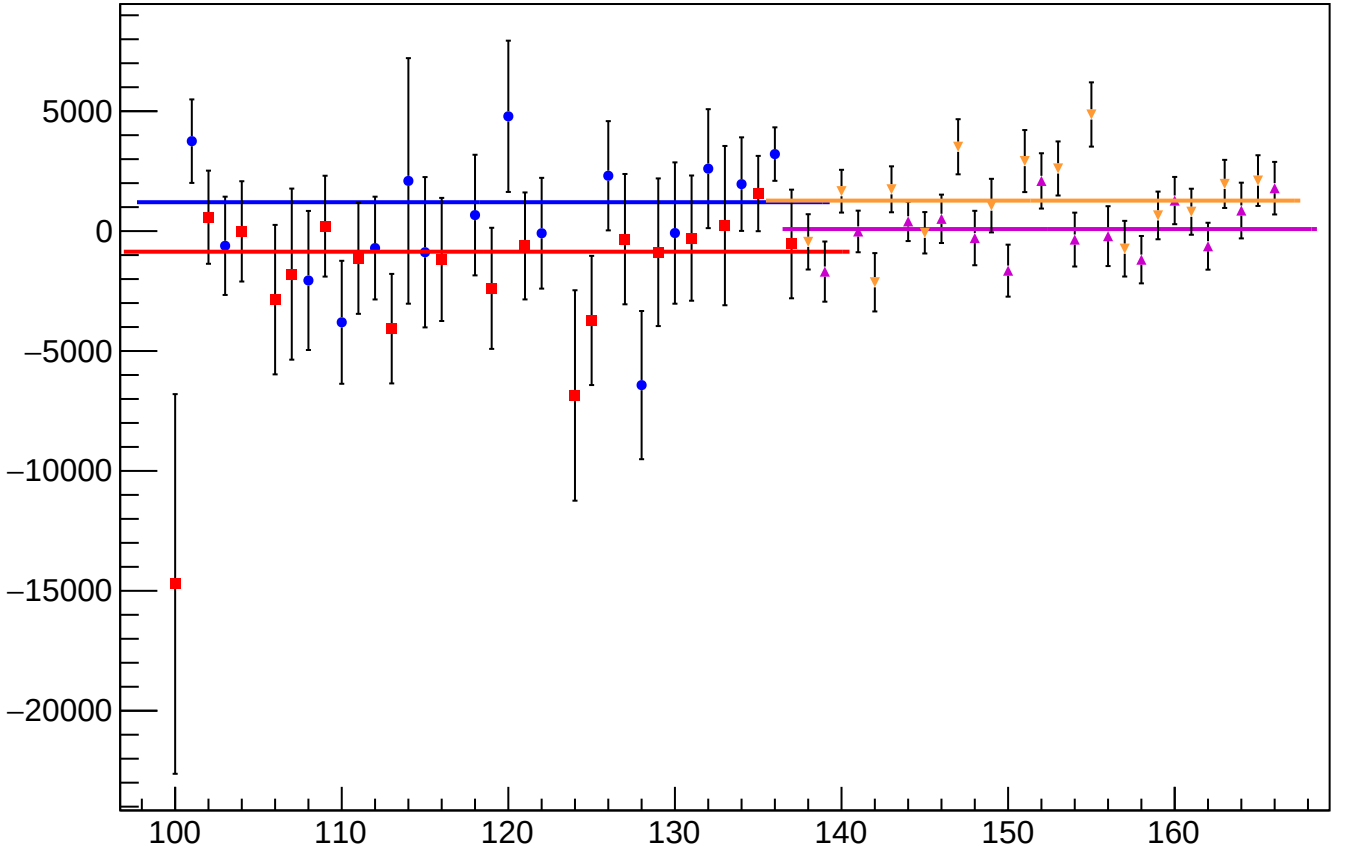
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1044.035+/-0.177 χ^2/NDF:2387533.7/29

Out: 1044.481+/-0.175 χ^2/NDF:2751572.7/33

All: 1044.260+/-0.124 χ^2/NDF: 5139109.6/63

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1271.899+/-273.748 χ^2/NDF:31.7/14

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 85.238+/-278.234 χ^2/NDF:14.8/13

Left: 688.210+/-195.136 χ^2/NDF: 55.7/28

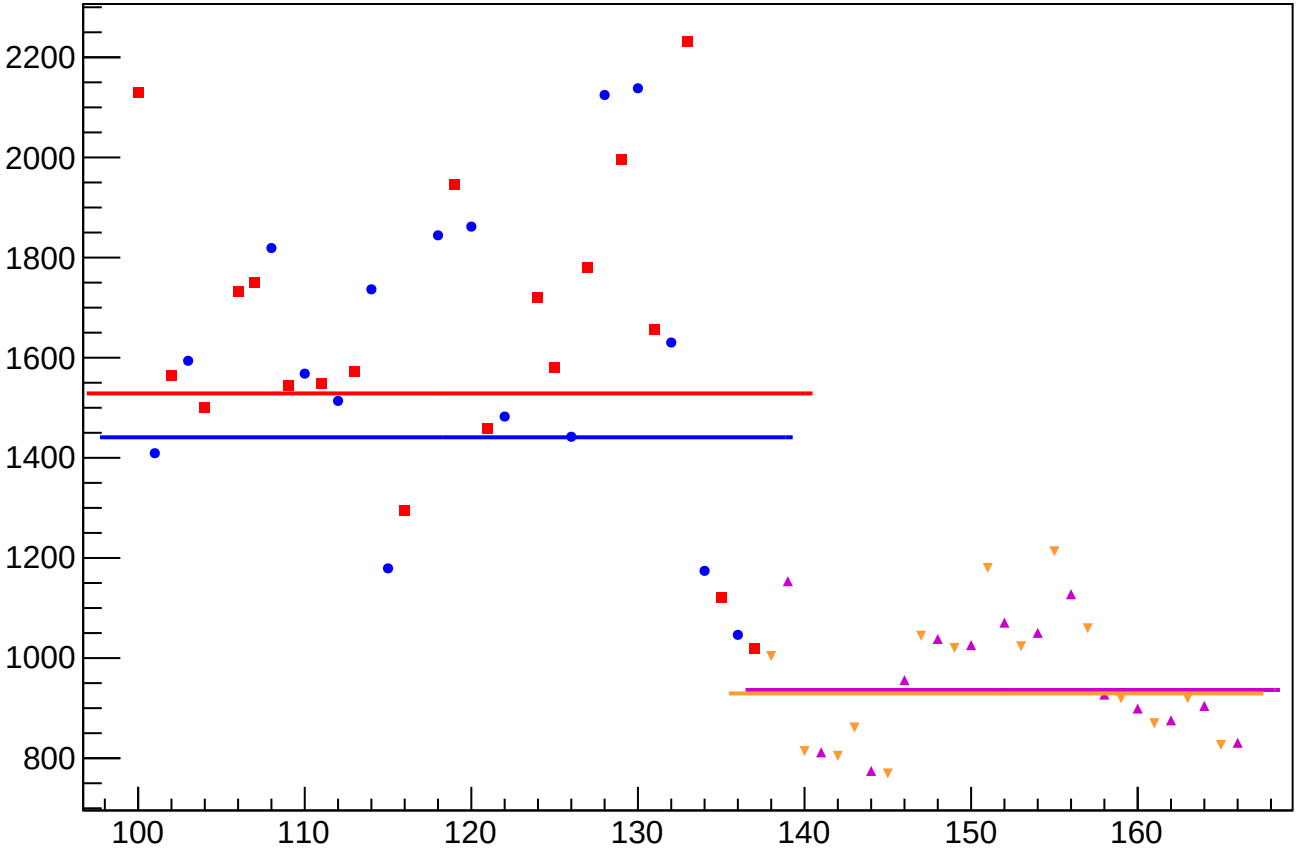
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 312.208+/-248.431 χ^2/NDF:39.2/29

Out: 872.914+/-246.797 χ^2/NDF:55.5/33

All: 594.411+/-175.087 χ^2/NDF: 97.3/63

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 929.395+/-0.194 χ^2/NDF:405792.1/14

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 936.297+/-0.197 χ^2/NDF:334788.8/13

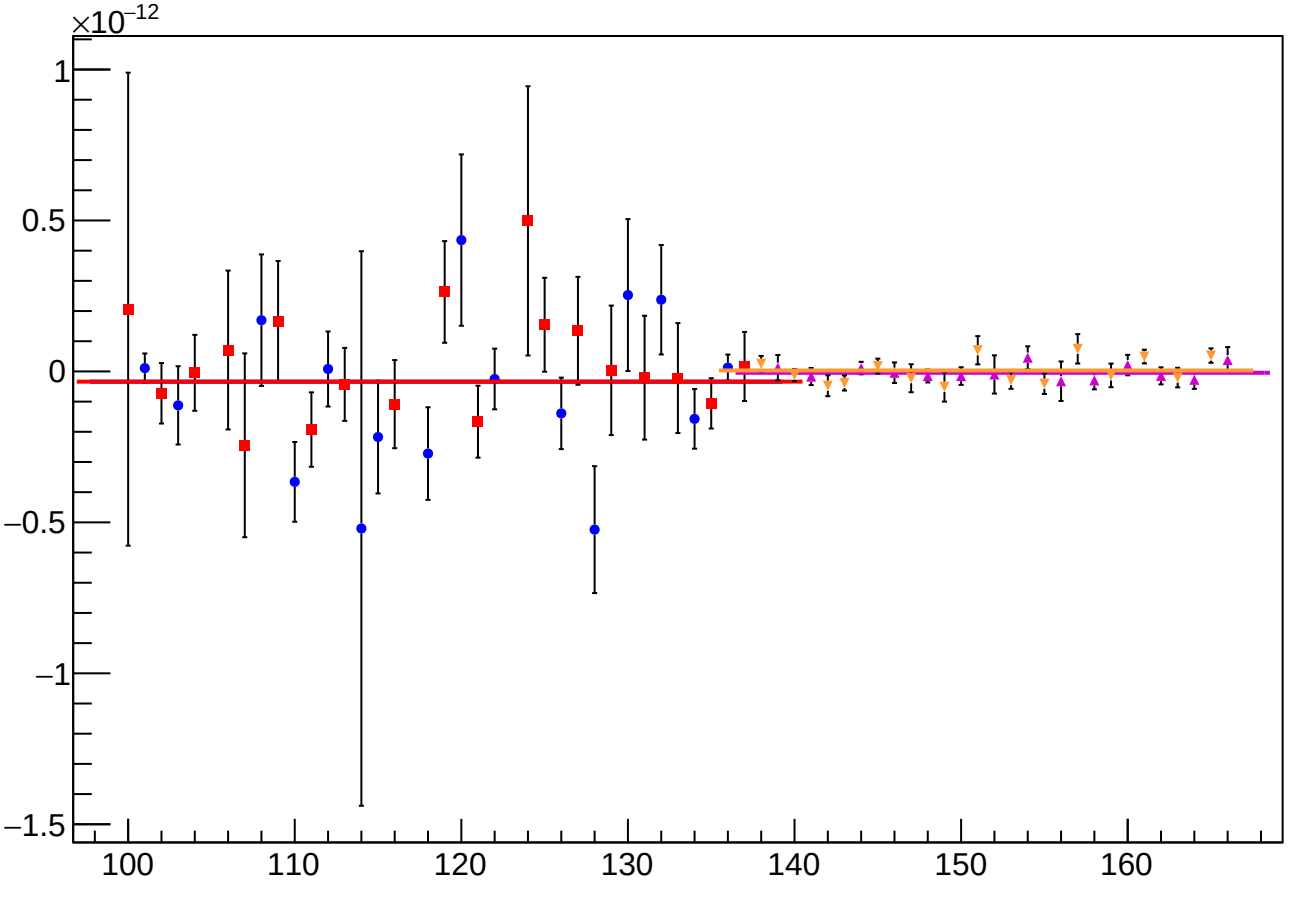
Left: 932.790+/-0.138 χ^2/NDF: 741206.4/28

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1038.631+/-0.176 χ^2/NDF:2339866.1/29

Out: 1041.583+/-0.175 χ^2/NDF:2701779.2/33

All: 1040.117+/-0.124 χ^2/NDF: 5041787.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/13

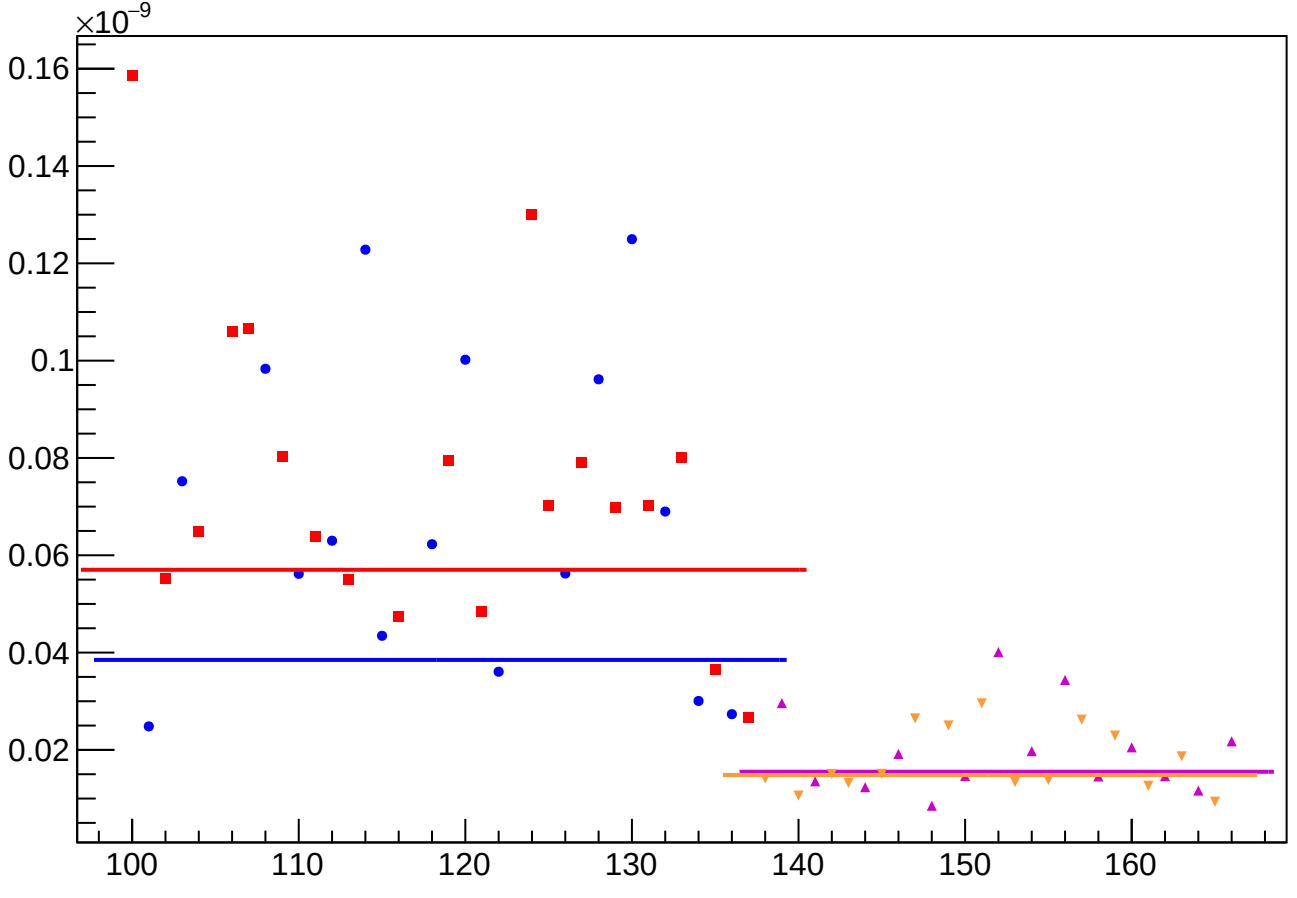
Left: -0.000+/-0.000 χ^2/NDF: 31.0/28

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:34.9/29

Out: 0.000+/-0.000 χ^2/NDF:38.4/33

All: -0.000+/-0.000 χ^2/NDF: 73.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:863050.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1135421.8/13

Left: 0.000+/-0.000 χ^2/NDF: 2005384.3/28

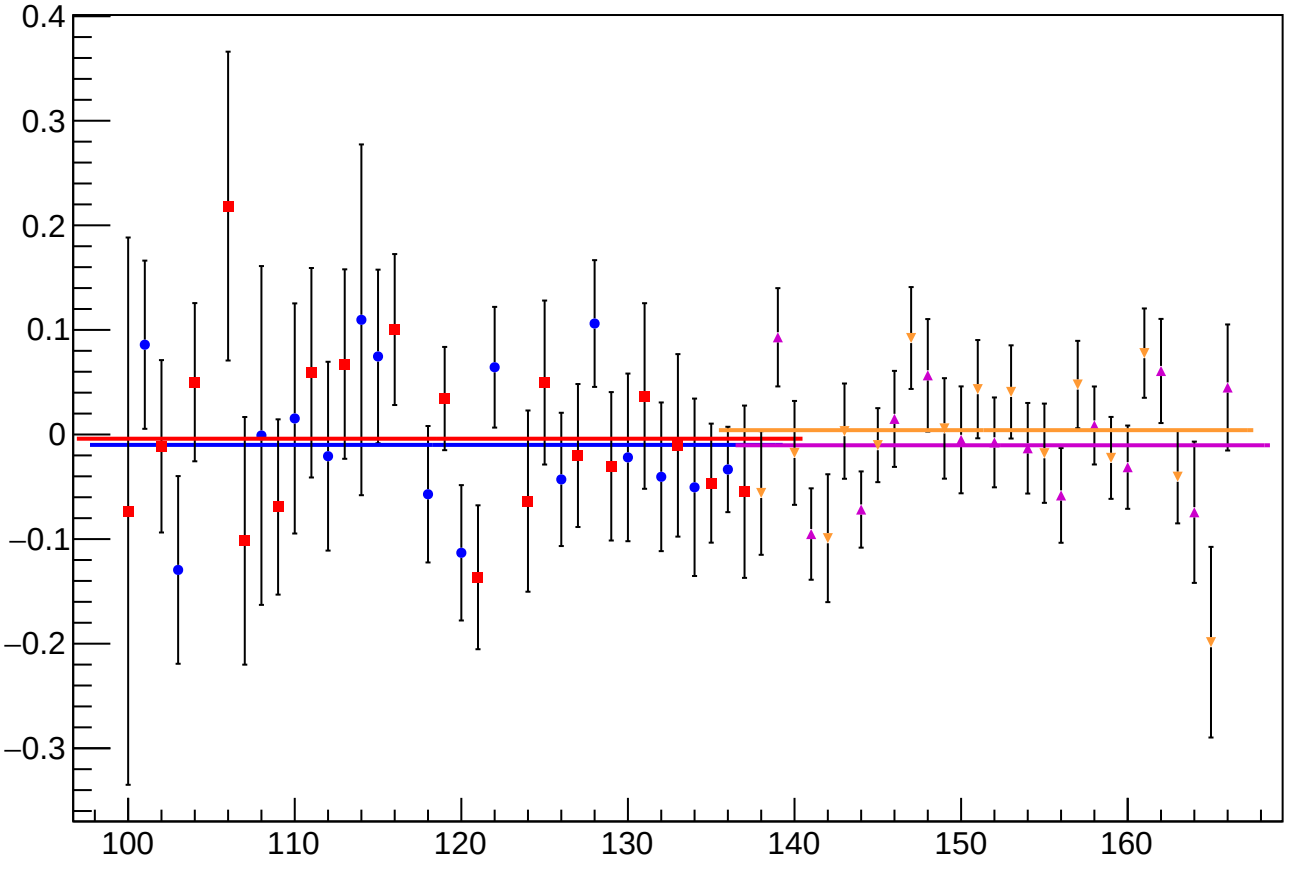
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4034370.7/29

Out: 0.000+/-0.000 χ^2/NDF:4486429.9/33

All: 0.000+/-0.000 χ^2/NDF: 8534486.0/63

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.012 χ^2/NDF:18.7/13

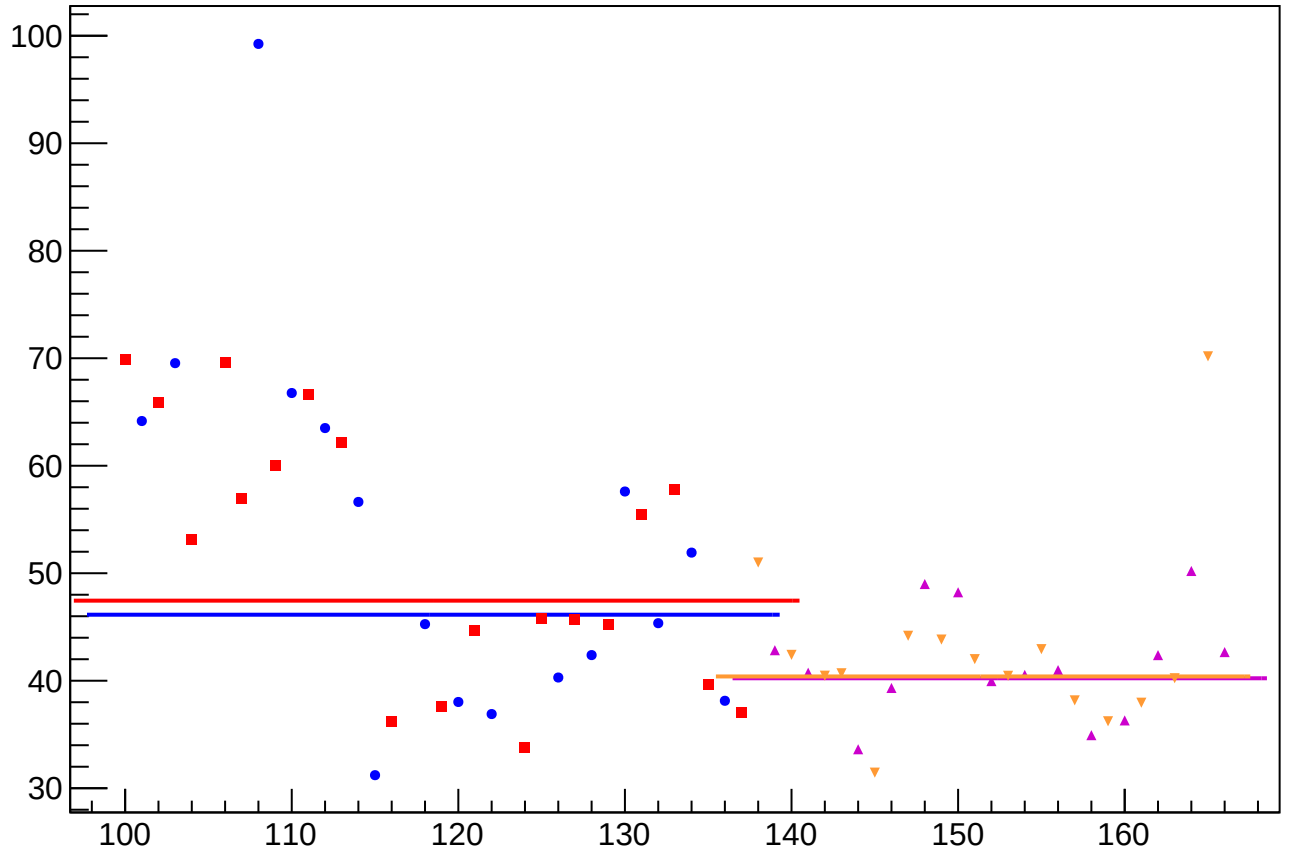
Left: -0.003+/-0.009 χ^2/NDF: 39.0/28

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:33.0/29

Out: 0.002+/-0.010 χ^2/NDF:33.6/33

All: -0.004+/-0.007 χ^2/NDF: 67.2/63



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.398+/-0.009 χ^2/NDF:474367.5/14

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.228+/-0.009 χ^2/NDF:286174.7/13

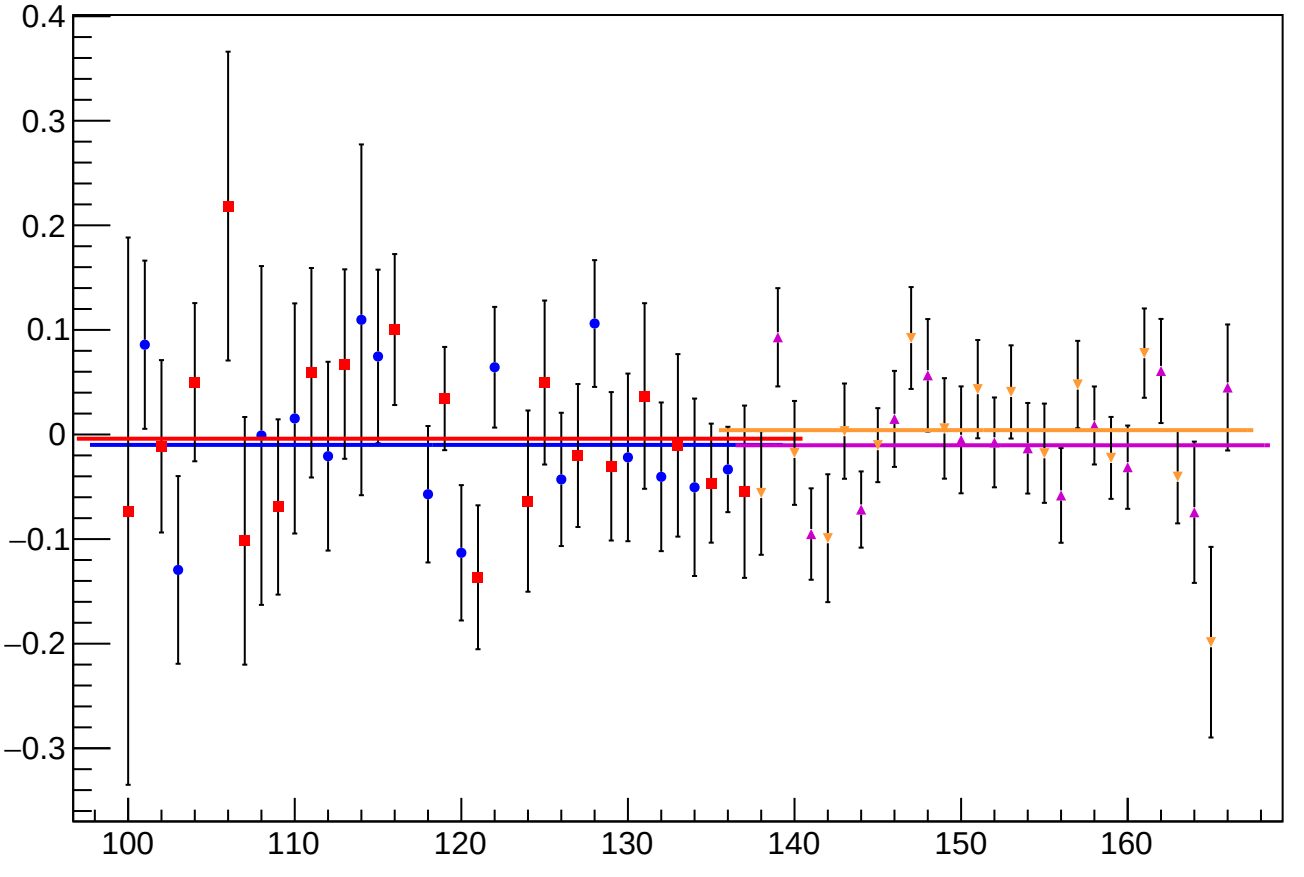
Left: 40.314+/-0.006 χ^2/NDF: 760737.8/28

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.086+/-0.007 χ^2/NDF:1337596.1/29

Out: 42.564+/-0.007 χ^2/NDF:1339575.9/33

All: 42.326+/-0.005 χ^2/NDF: 2679428.2/63



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.012 χ^2/NDF:18.7/13

Left: -0.003+/-0.009 χ^2/NDF: 39.0/28

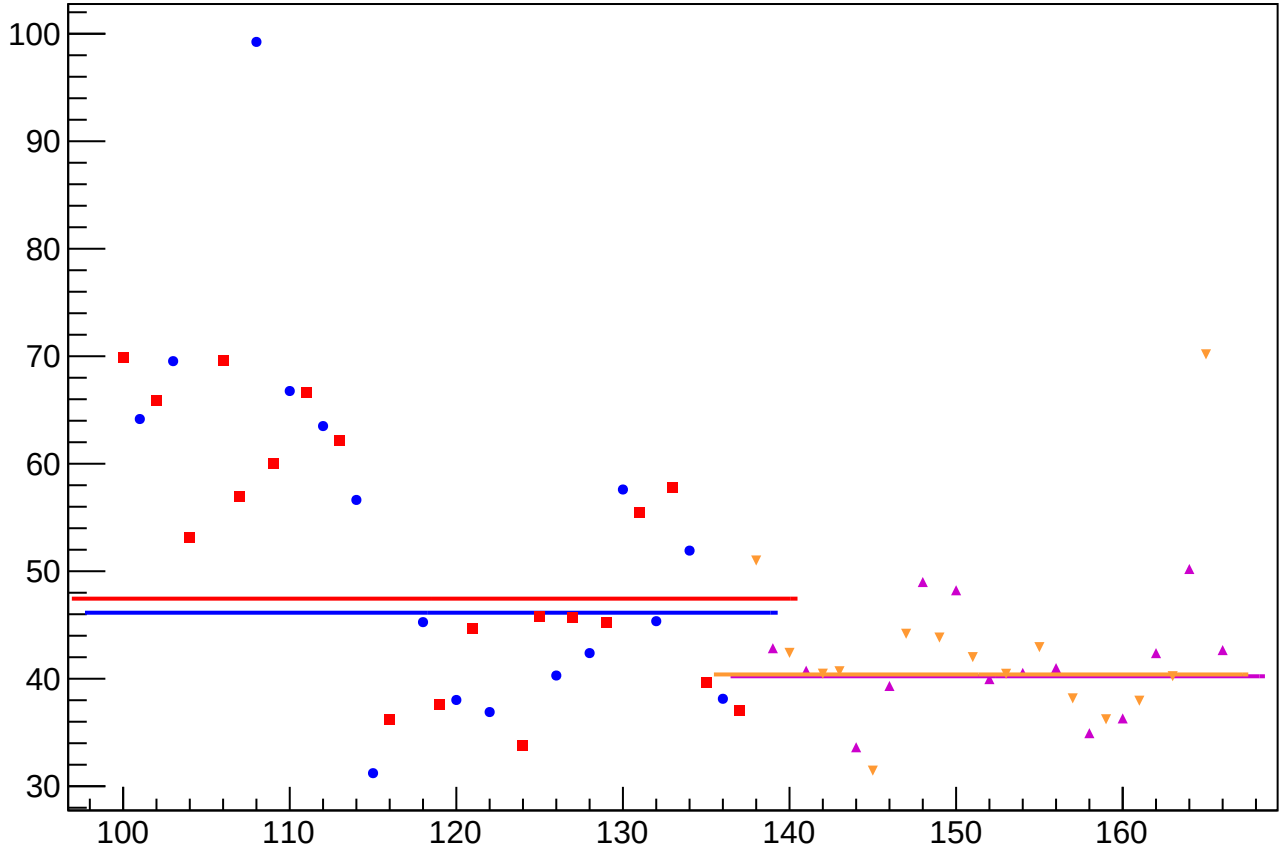
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:33.0/29

Out: 0.002+/-0.010 χ^2/NDF:33.6/33

All: -0.004+/-0.007 χ^2/NDF: 67.2/63

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.398+/-0.009 χ^2/NDF:474367.5/14

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.228+/-0.009 χ^2/NDF:286174.7/13

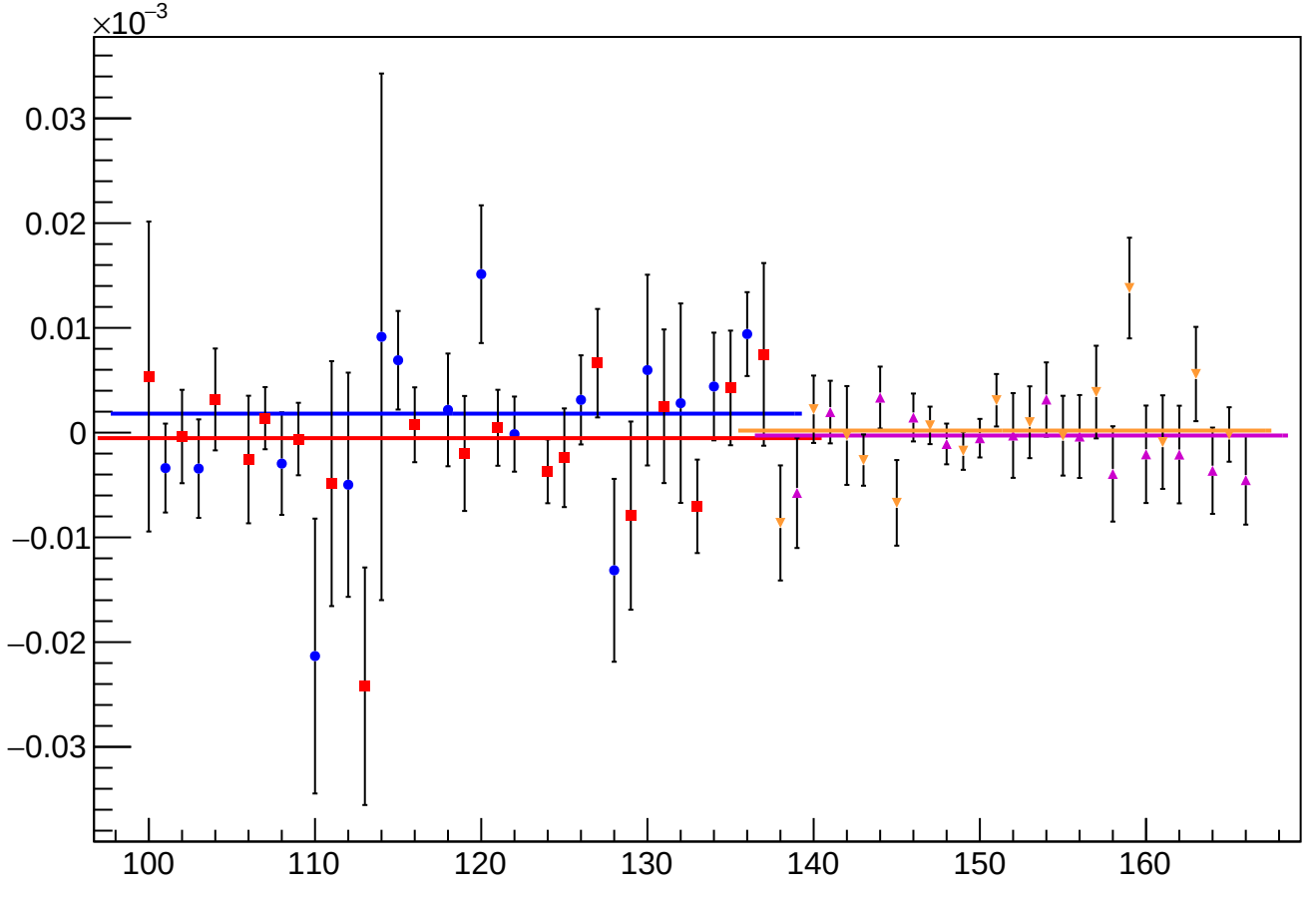
Left: 40.314+/-0.006 χ^2/NDF: 760737.8/28

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.086+/-0.007 χ^2/NDF:1337596.1/29

Out: 42.564+/-0.007 χ^2/NDF:1339575.9/33

All: 42.326+/-0.005 χ^2/NDF: 2679428.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/13

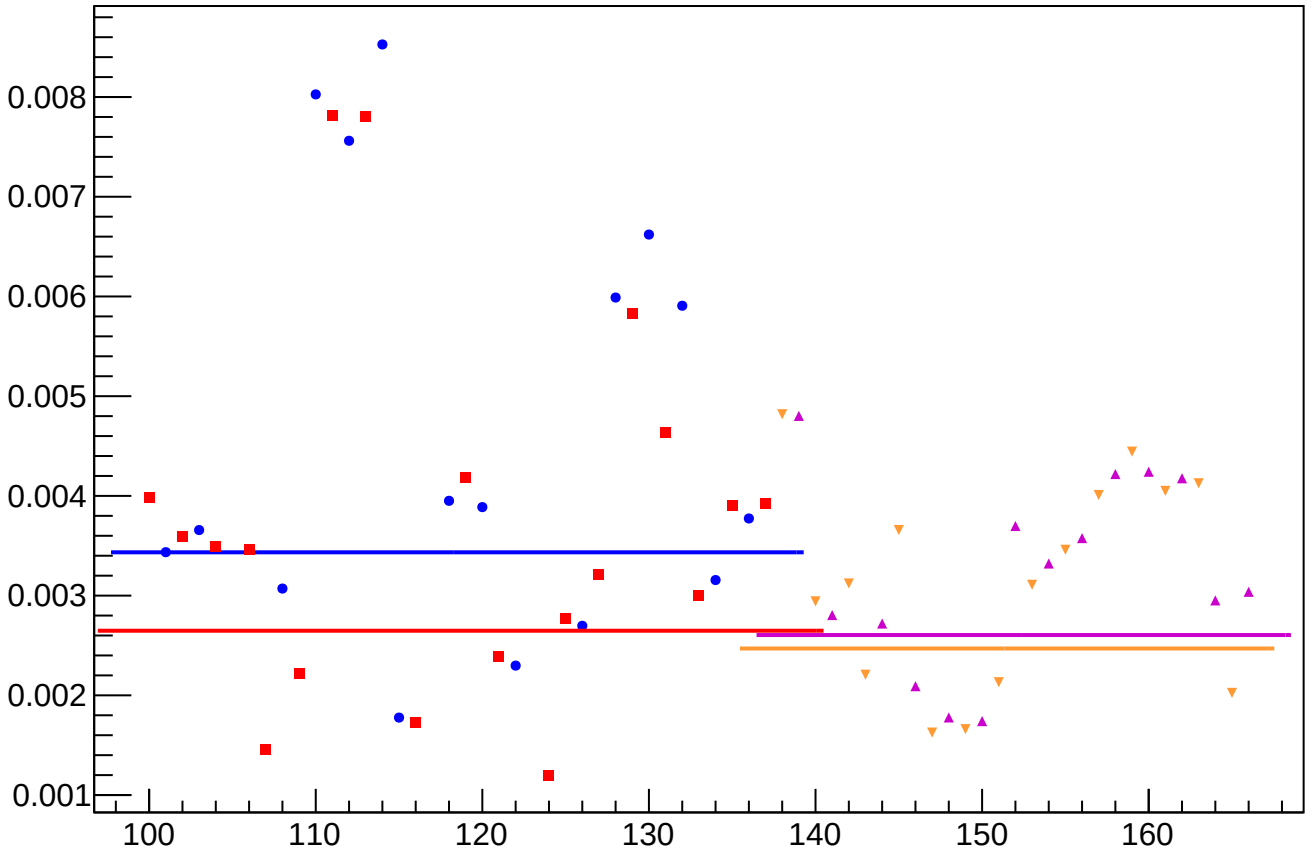
Left: -0.000+/-0.000 χ^2/NDF: 27.6/28

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/29

Out: -0.000+/-0.000 χ^2/NDF:34.1/33

All: 0.000+/-0.000 χ^2/NDF: 63.3/63



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2880914.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2374889.8/13

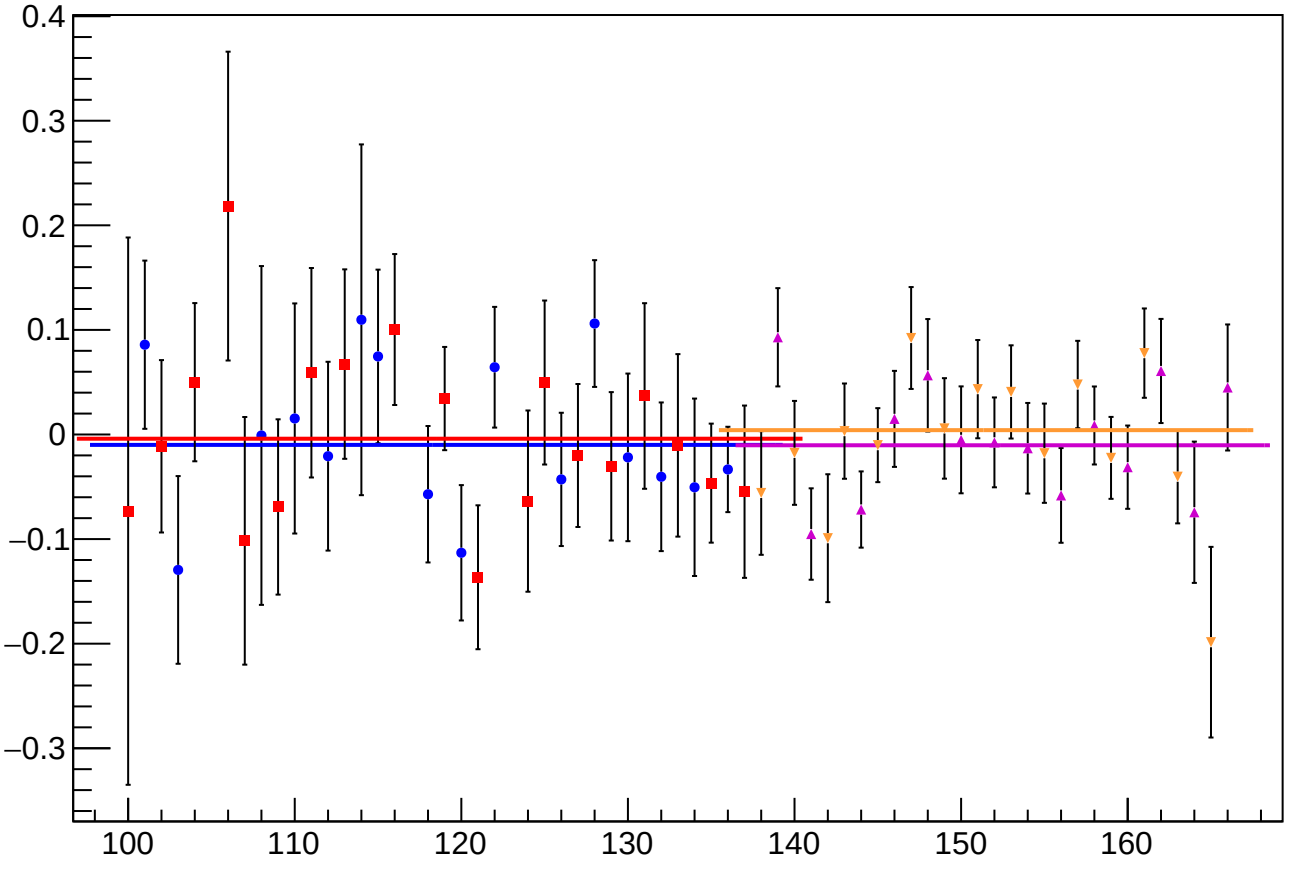
Left: 0.003+/-0.000 χ^2/NDF: 5284329.3/28

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4660695.9/29

Out: 0.003+/-0.000 χ^2/NDF:5613358.0/33

All: 0.003+/-0.000 χ^2/NDF: 10468196.5/63



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.012 χ^2/NDF:18.7/13

Left: -0.003+/-0.009 χ^2/NDF: 39.0/28

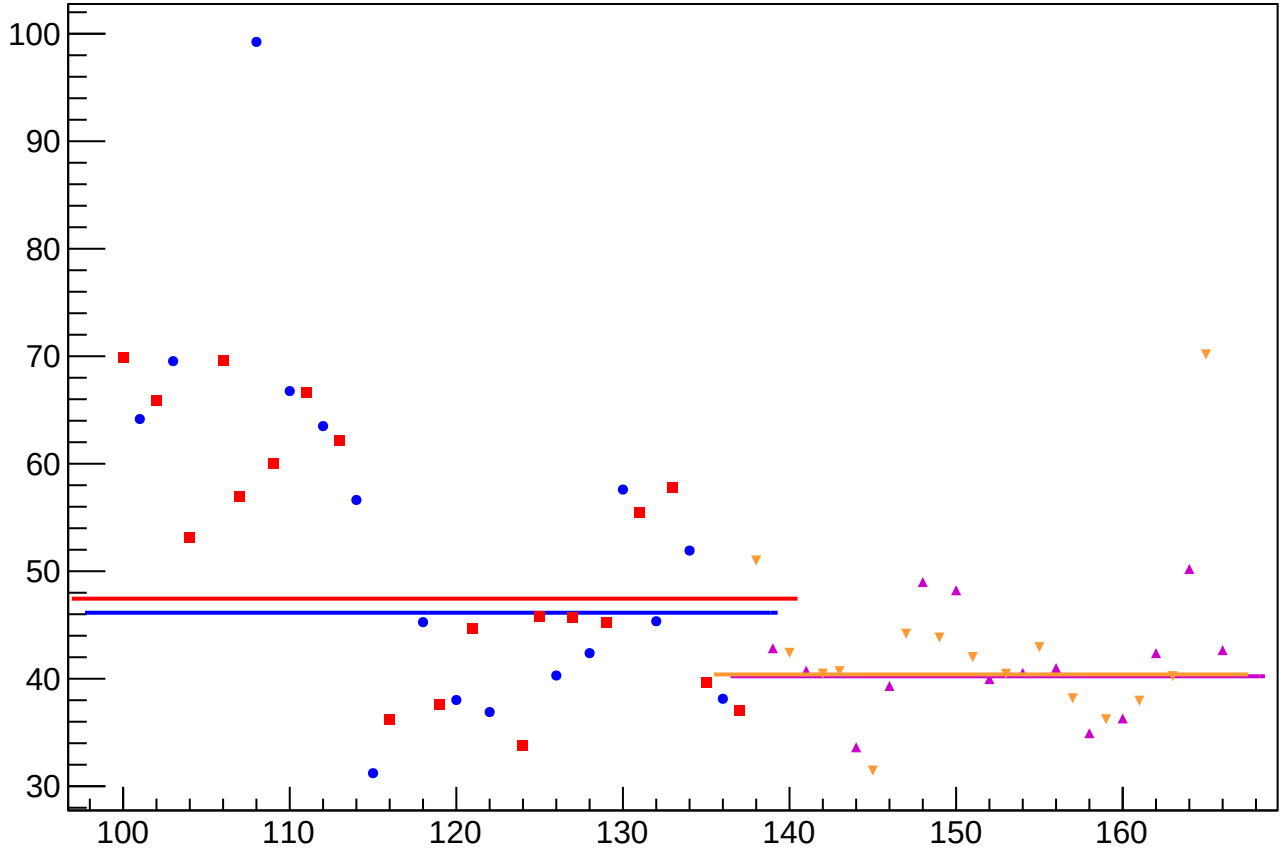
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:33.0/29

Out: 0.002+/-0.010 χ^2/NDF:33.6/33

All: -0.004+/-0.007 χ^2/NDF: 67.2/63

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.398+/-0.009 χ^2/NDF:474381.4/14

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.228+/-0.009 χ^2/NDF:286217.5/13

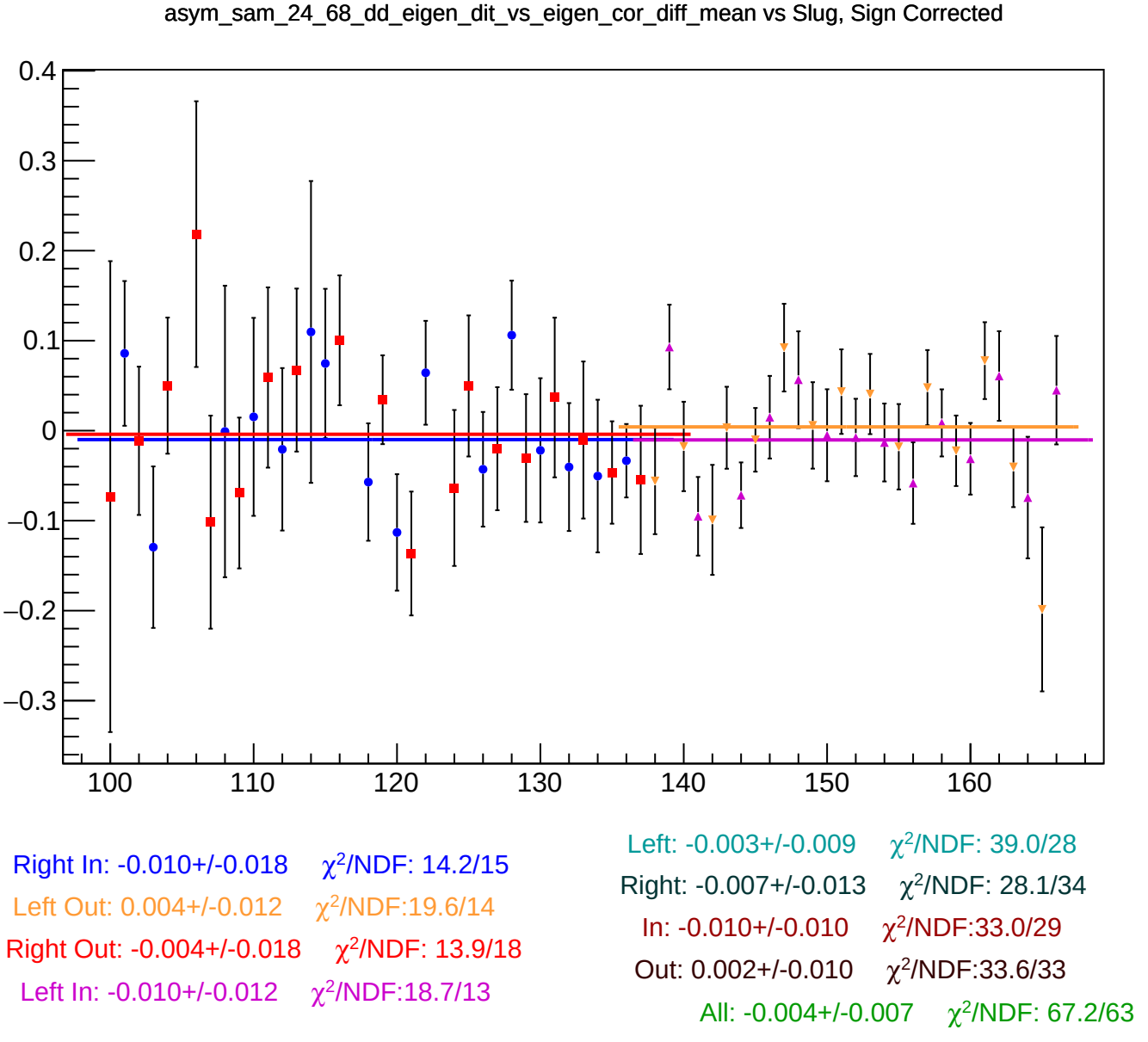
Left: 40.314+/-0.006 χ^2/NDF: 760795.4/28

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

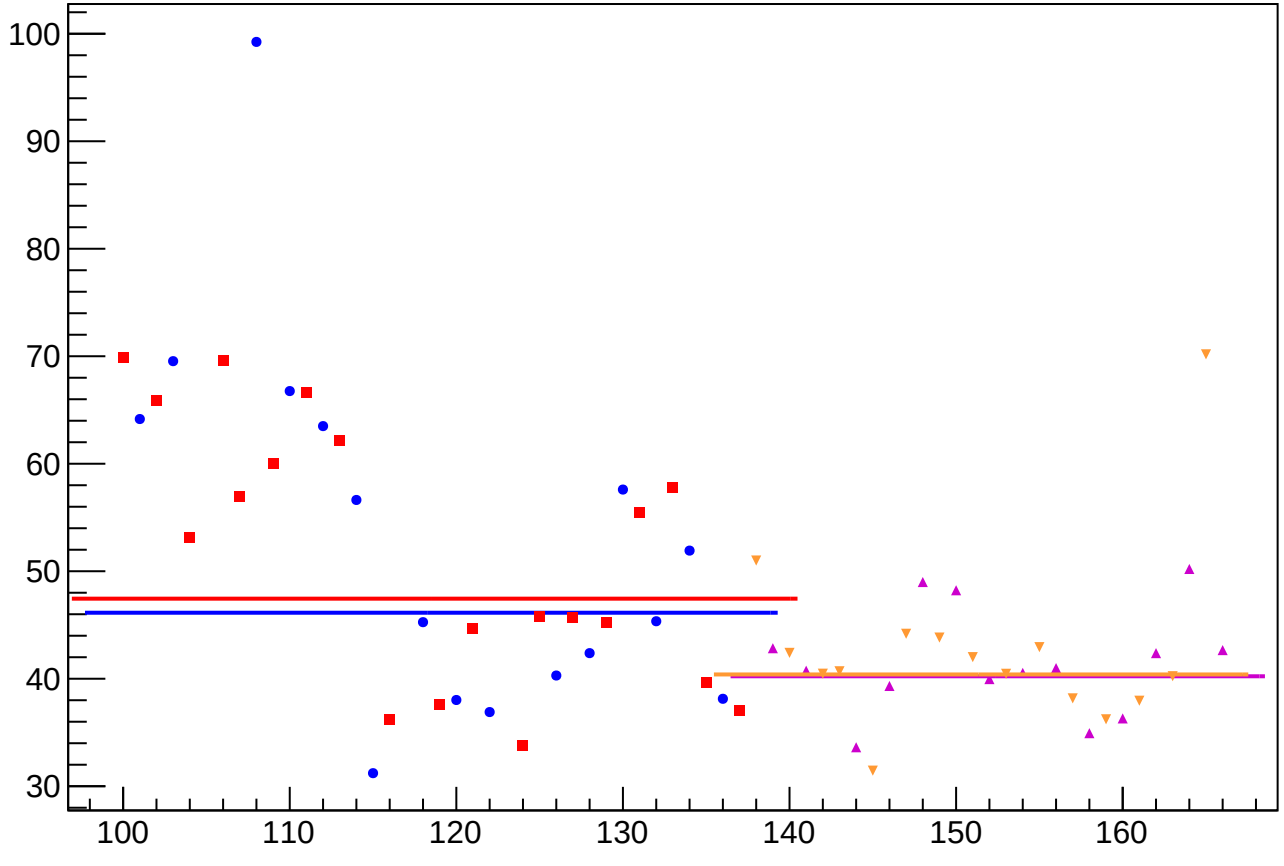
In: 42.085+/-0.007 χ^2/NDF:1337546.7/29

Out: 42.563+/-0.007 χ^2/NDF:1339505.4/33

All: 42.326+/-0.005 χ^2/NDF: 2679312.2/63


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.004+/-0.012 χ²/NDF:19.6/14
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: -0.010+/-0.012 χ²/NDF:18.7/13
Left: -0.003+/-0.009 χ²/NDF: 39.0/28
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.010+/-0.010 χ²/NDF:33.0/29
Out: 0.002+/-0.010 χ²/NDF:33.6/33
All: -0.004+/-0.007 χ²/NDF: 67.2/63

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.398+/-0.009 χ^2/NDF:474381.4/14

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.228+/-0.009 χ^2/NDF:286217.5/13

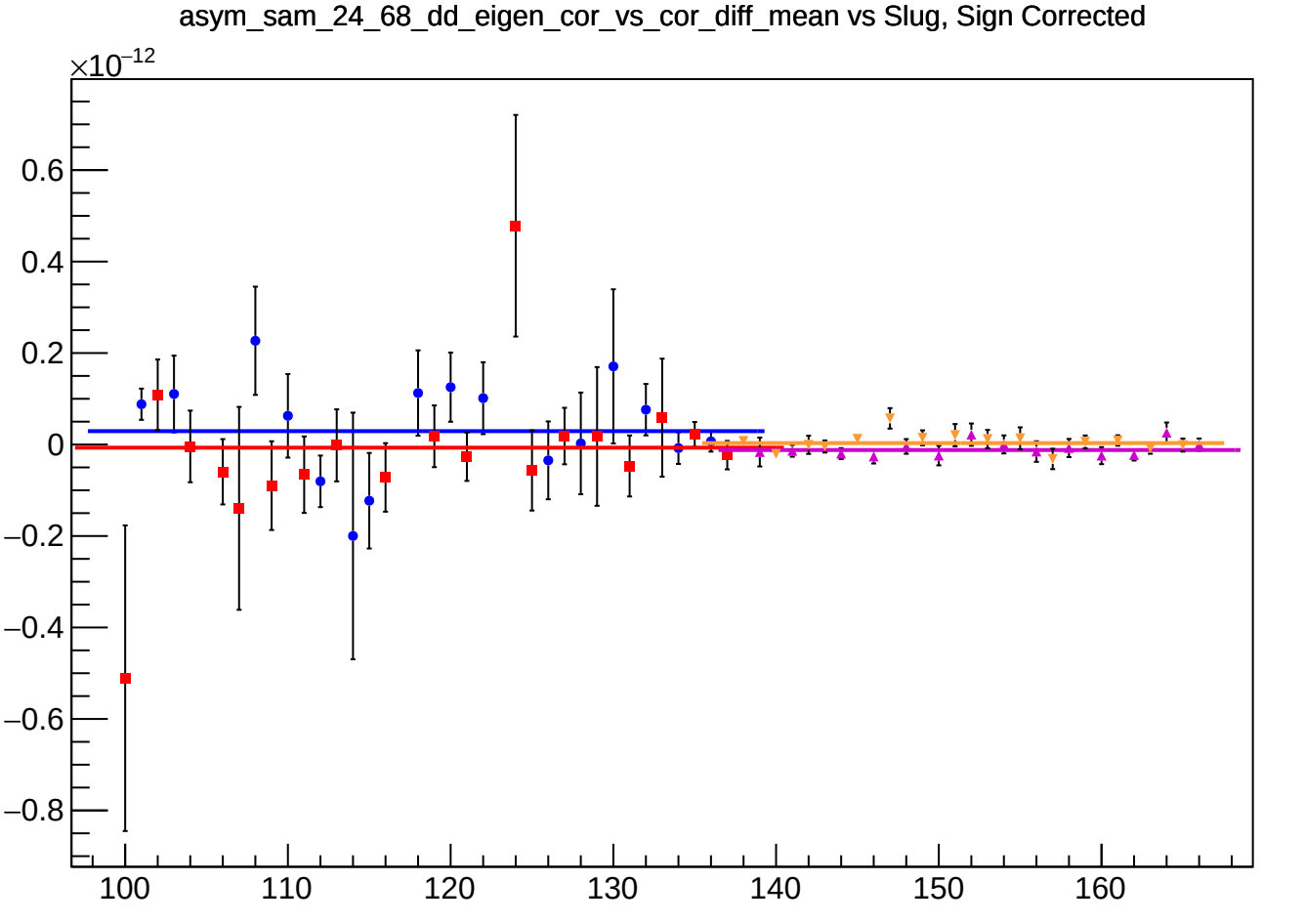
Left: 40.314+/-0.006 χ^2/NDF: 760795.4/28

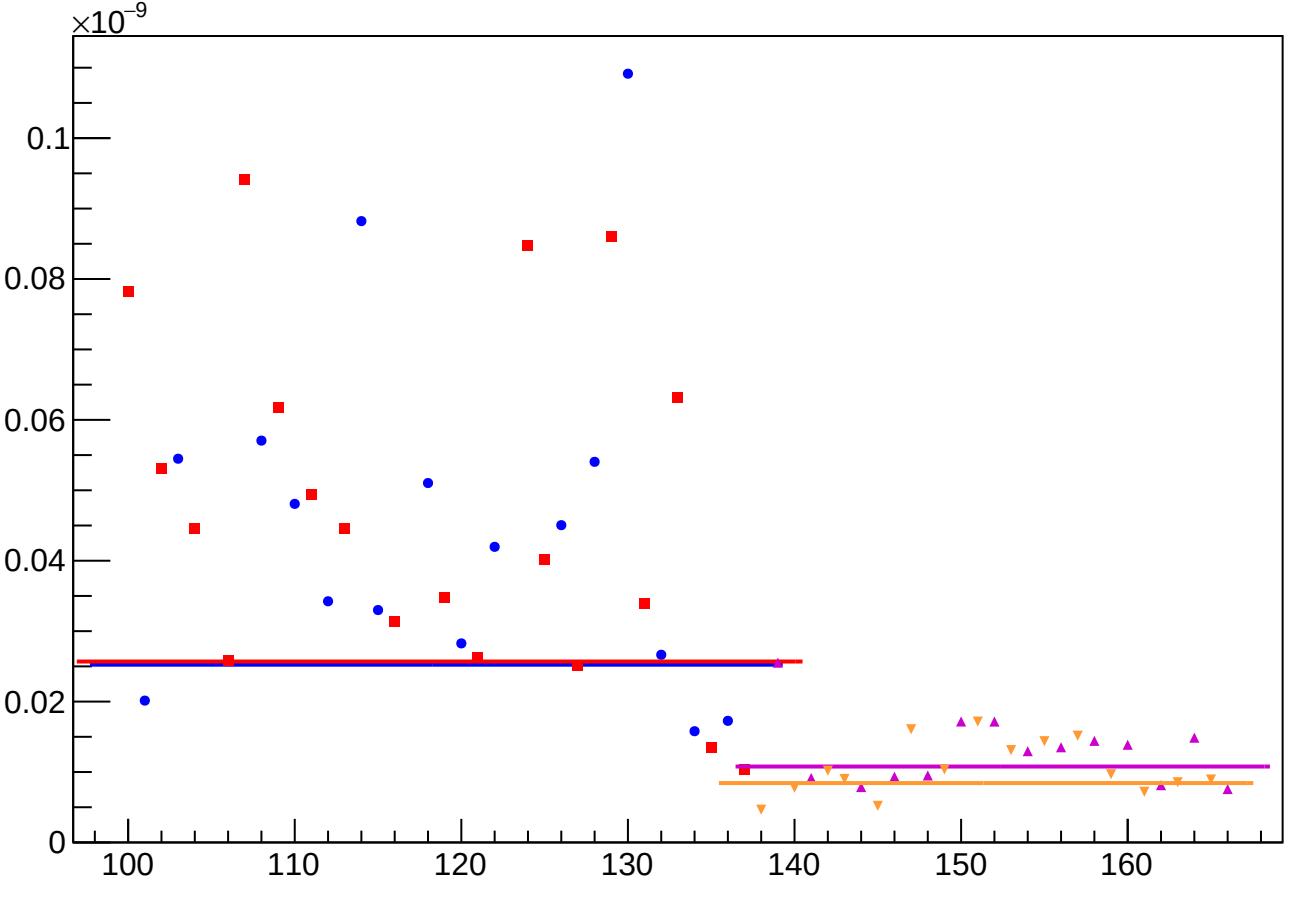
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.085+/-0.007 χ^2/NDF:1337546.7/29

Out: 42.563+/-0.007 χ^2/NDF:1339505.4/33

All: 42.326+/-0.005 χ^2/NDF: 2679312.2/63


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/13
Left: -0.000+/-0.000 χ²/NDF: 33.4/28
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:38.4/29
Out: 0.000+/-0.000 χ²/NDF:32.0/33
All: -0.000+/-0.000 χ²/NDF: 74.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1530939.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1386135.6/13

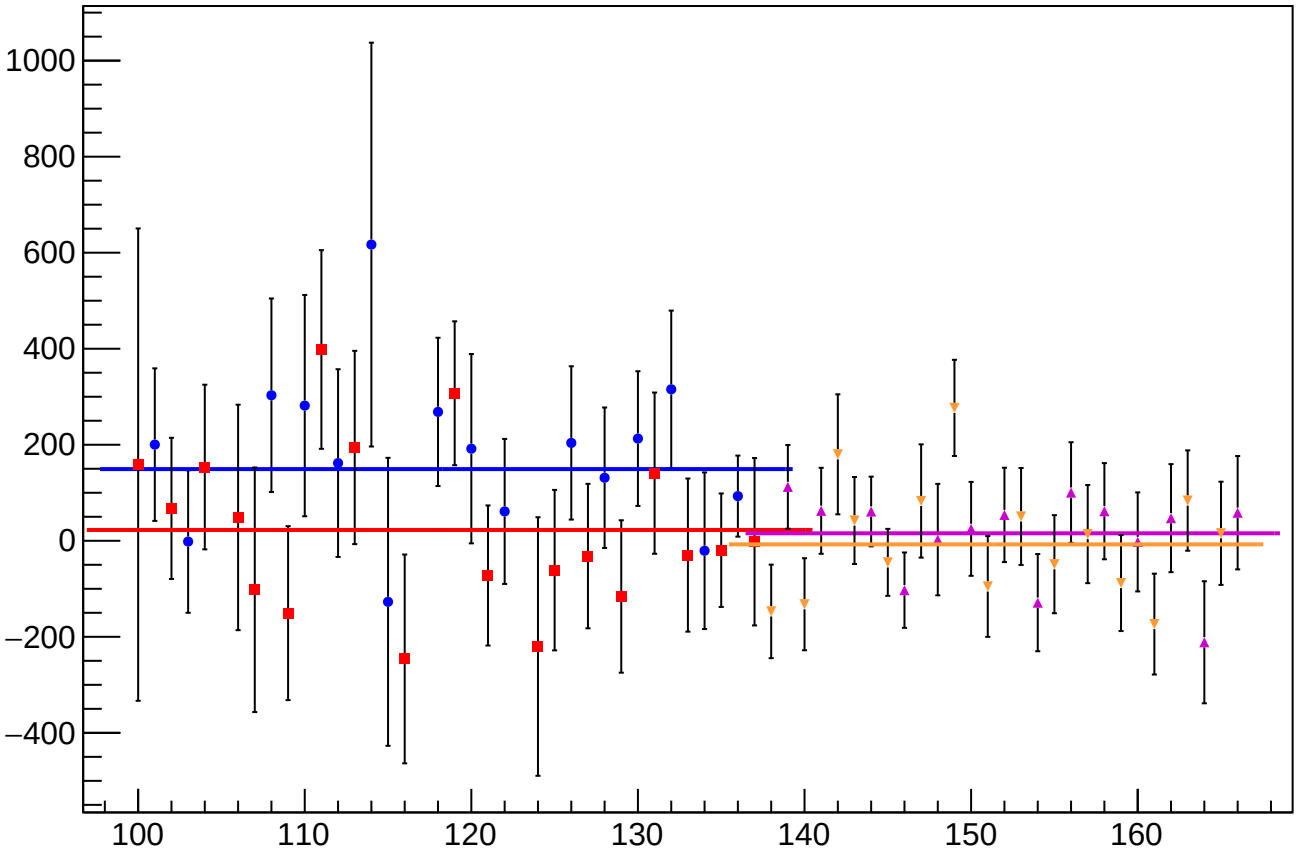
Left: 0.000+/-0.000 χ^2/NDF: 3251729.7/28

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5568976.4/29

Out: 0.000+/-0.000 χ^2/NDF:7044357.7/33

All: 0.000+/-0.000 χ^2/NDF: 13108511.7/63



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.487+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 15.592+/-25.942 χ^2/NDF:10.7/13

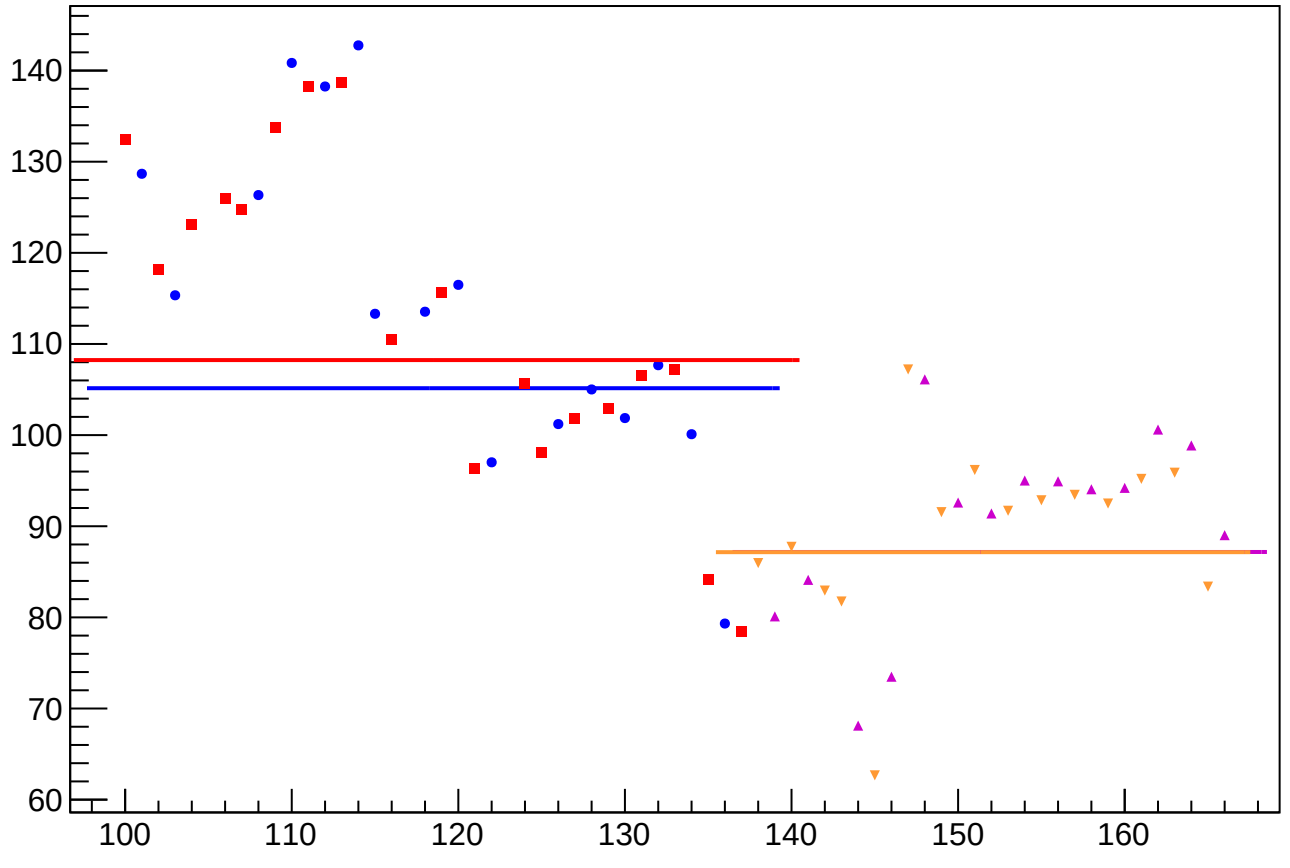
Left: 3.897+/-18.220 χ^2/NDF: 31.5/28

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 55.620+/-21.714 χ^2/NDF:26.7/29

Out: 1.207+/-21.575 χ^2/NDF:35.0/33

All: 28.238+/-15.305 χ^2/NDF: 64.8/63



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

Left: 87.166+/-0.013 χ^2/NDF: 749055.4/28

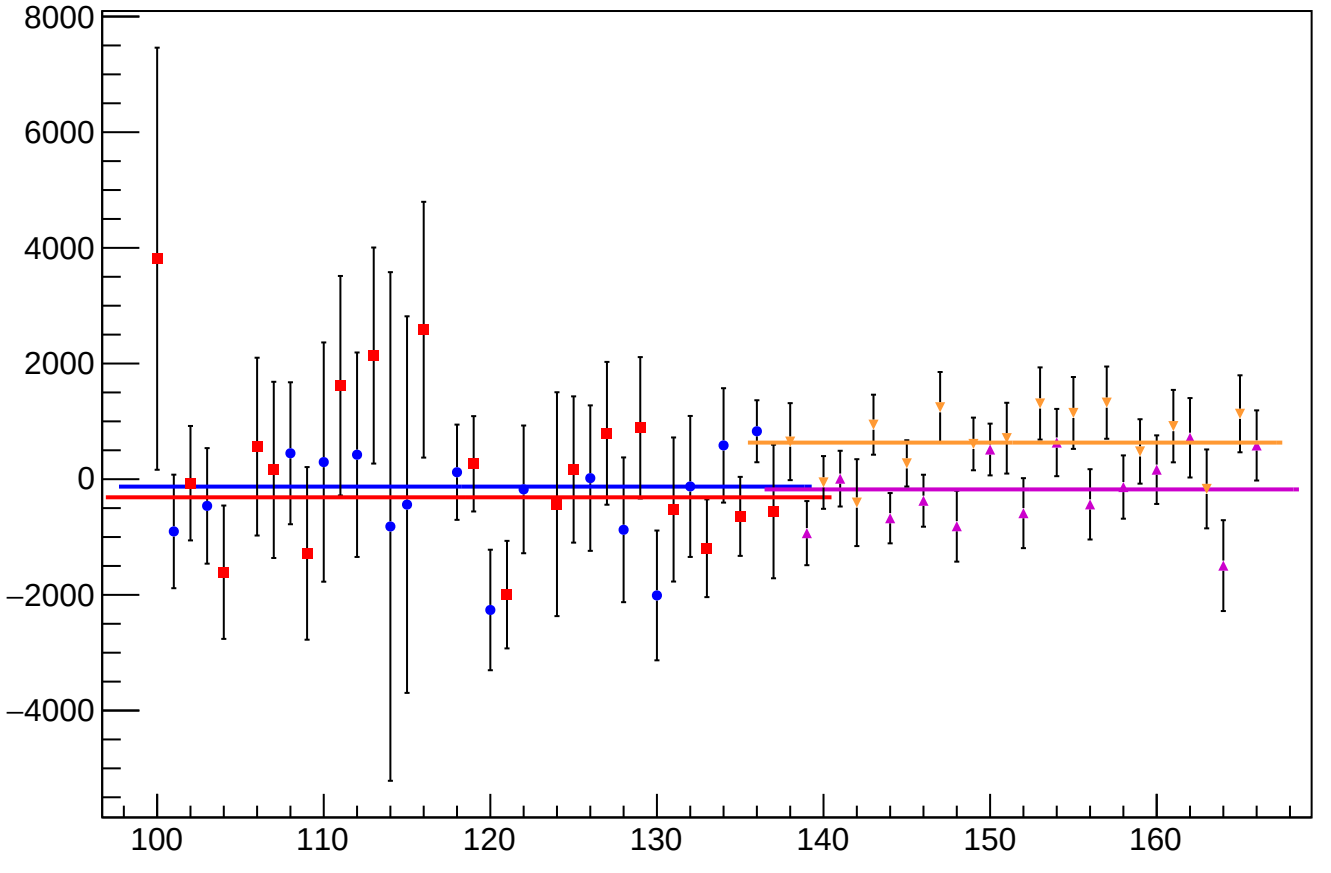
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.555+/-0.015 χ^2/NDF:1060472.2/29

Out: 93.257+/-0.015 χ^2/NDF:1126814.8/33

All: 92.908+/-0.011 χ^2/NDF: 2188337.5/63

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -176.541+/-146.660 χ^2/NDF:16.0/13

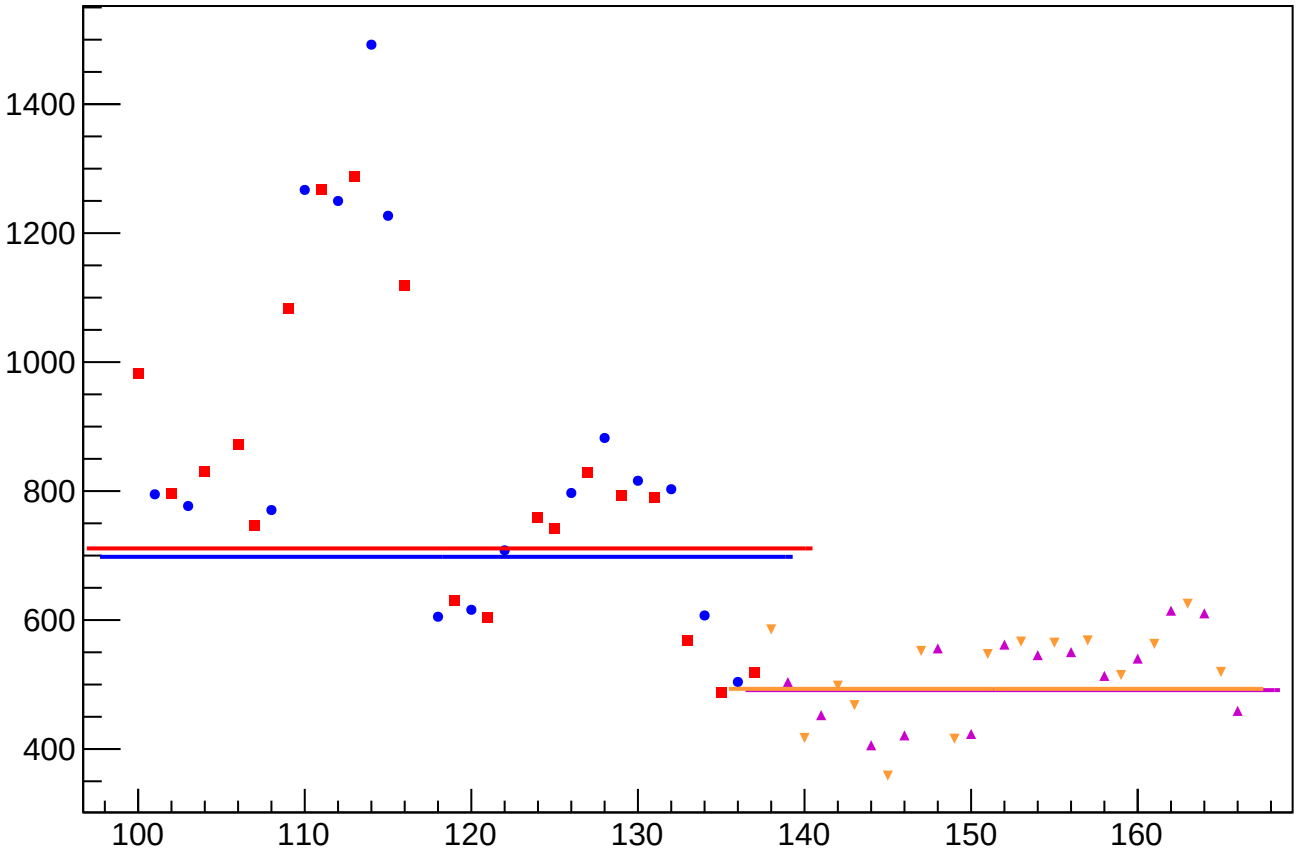
Left: 229.760+/-103.492 χ^2/NDF: 42.9/28

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -165.407+/-128.723 χ^2/NDF:28.3/29

Out: 418.790+/-128.482 χ^2/NDF:36.2/33

All: 127.239+/-90.936 χ^2/NDF: 74.8/63



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.4/14

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 491.344+/-0.104 χ^2/NDF:404748.3/13

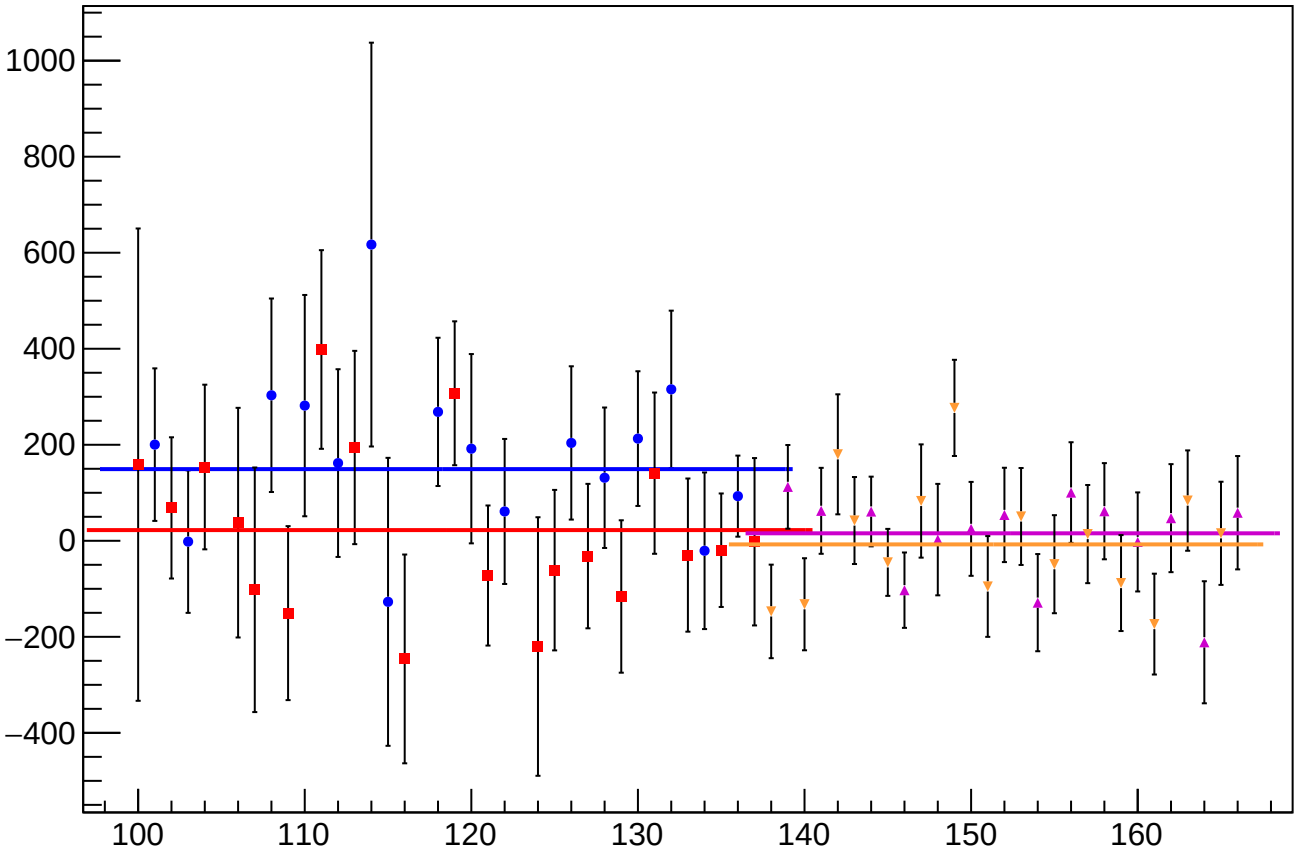
Left: 492.349+/-0.073 χ^2/NDF: 1010591.7/28

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.815+/-0.091 χ^2/NDF:2230017.9/29

Out: 542.604+/-0.091 χ^2/NDF:2646272.2/33

All: 540.713+/-0.064 χ^2/NDF: 4877158.1/63



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 15.593+/-25.942 χ^2/NDF:10.7/13

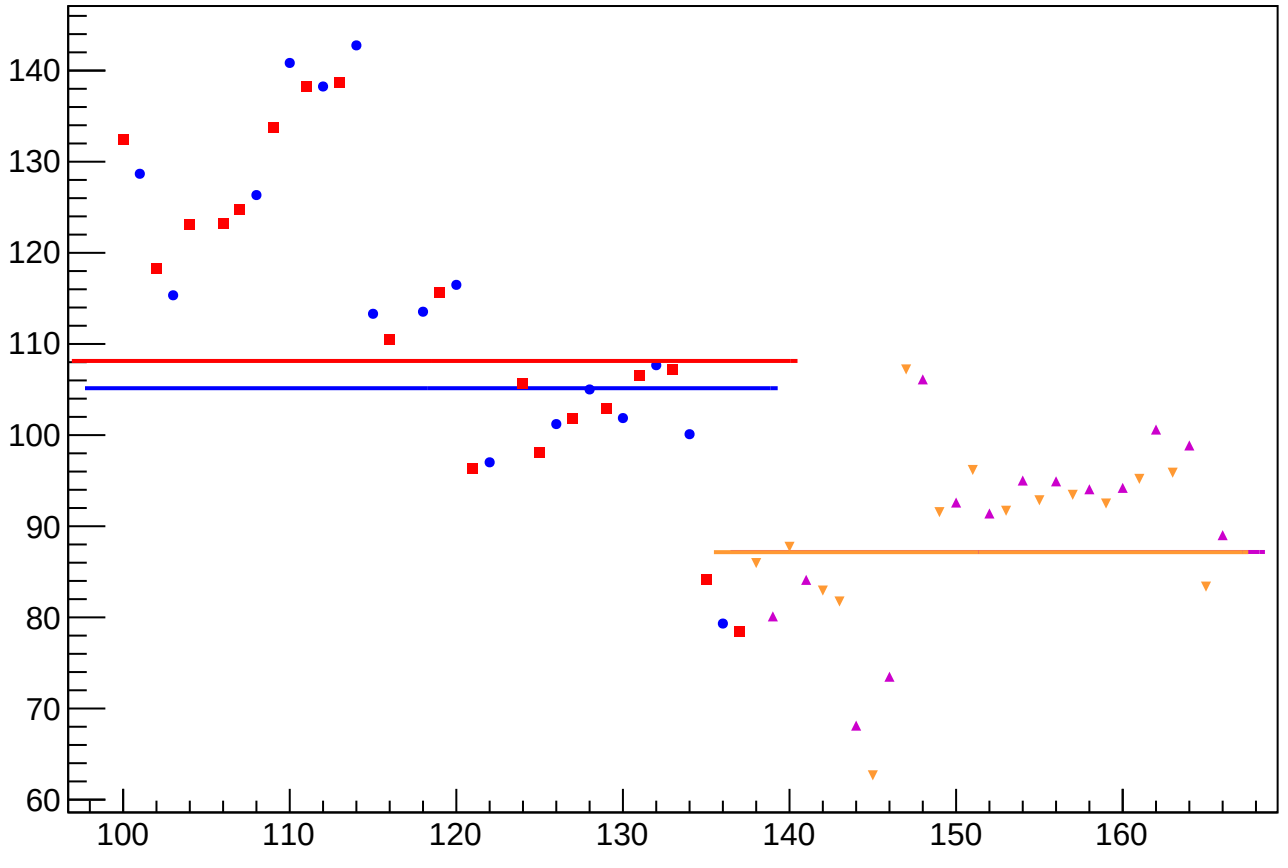
Left: 3.897+/-18.220 χ^2/NDF: 31.5/28

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.618+/-21.714 χ^2/NDF:26.7/29

Out: 1.126+/-21.578 χ^2/NDF:35.0/33

All: 28.200+/-15.306 χ^2/NDF: 64.8/63



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

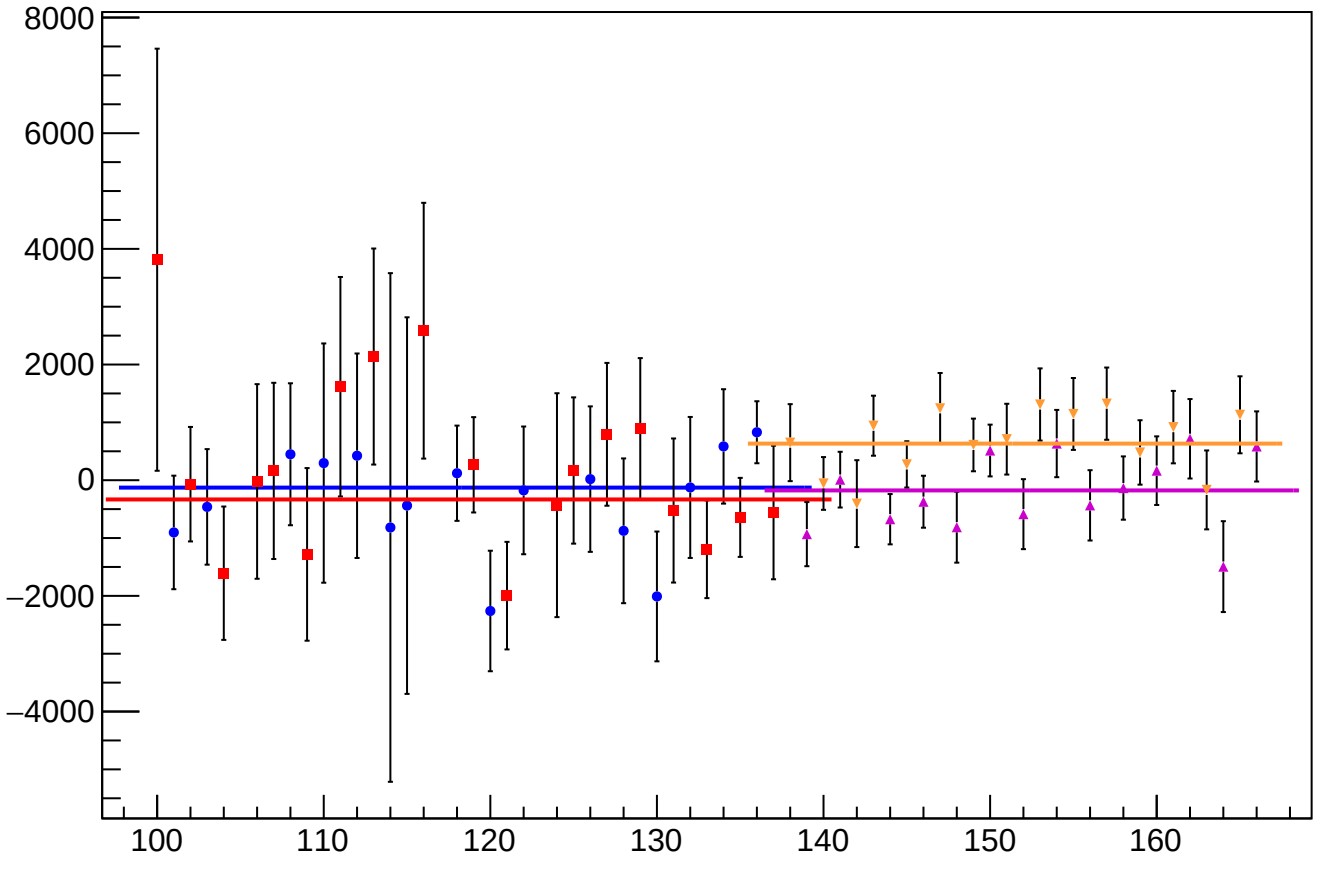
Left: 87.166+/-0.013 χ^2/NDF: 749055.4/28

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.555+/-0.015 χ^2/NDF:1060472.5/29

Out: 93.224+/-0.015 χ^2/NDF:1119313.7/33

All: 92.892+/-0.011 χ^2/NDF: 2180741.1/63



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -176.540+/-146.660 χ^2/NDF:16.0/13

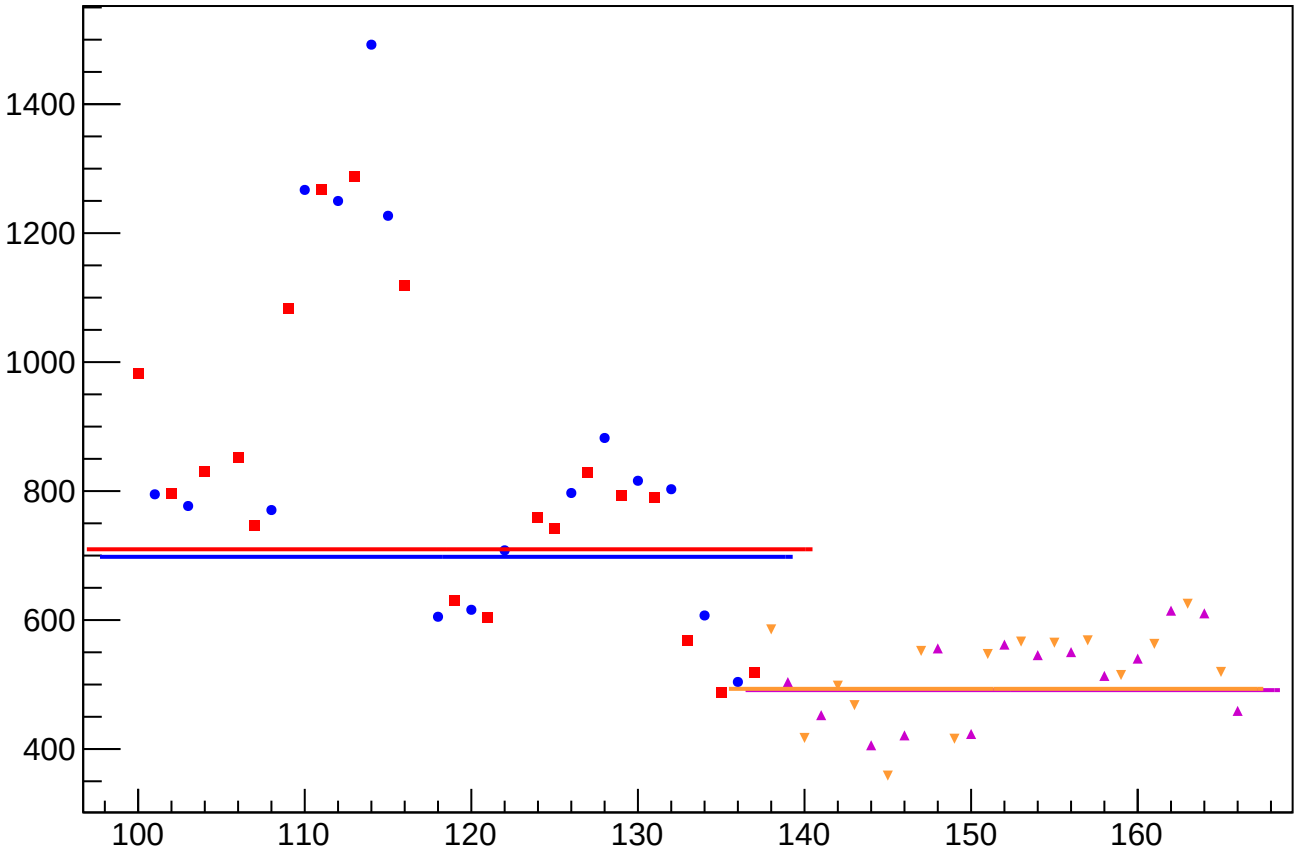
Left: 229.760+/-103.492 χ^2/NDF: 42.9/28

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -165.403+/-128.723 χ^2/NDF:28.3/29

Out: 415.227+/-128.558 χ^2/NDF:36.2/33

All: 125.286+/-90.963 χ^2/NDF: 74.7/63



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 491.345+/-0.104 χ^2/NDF:404748.3/13

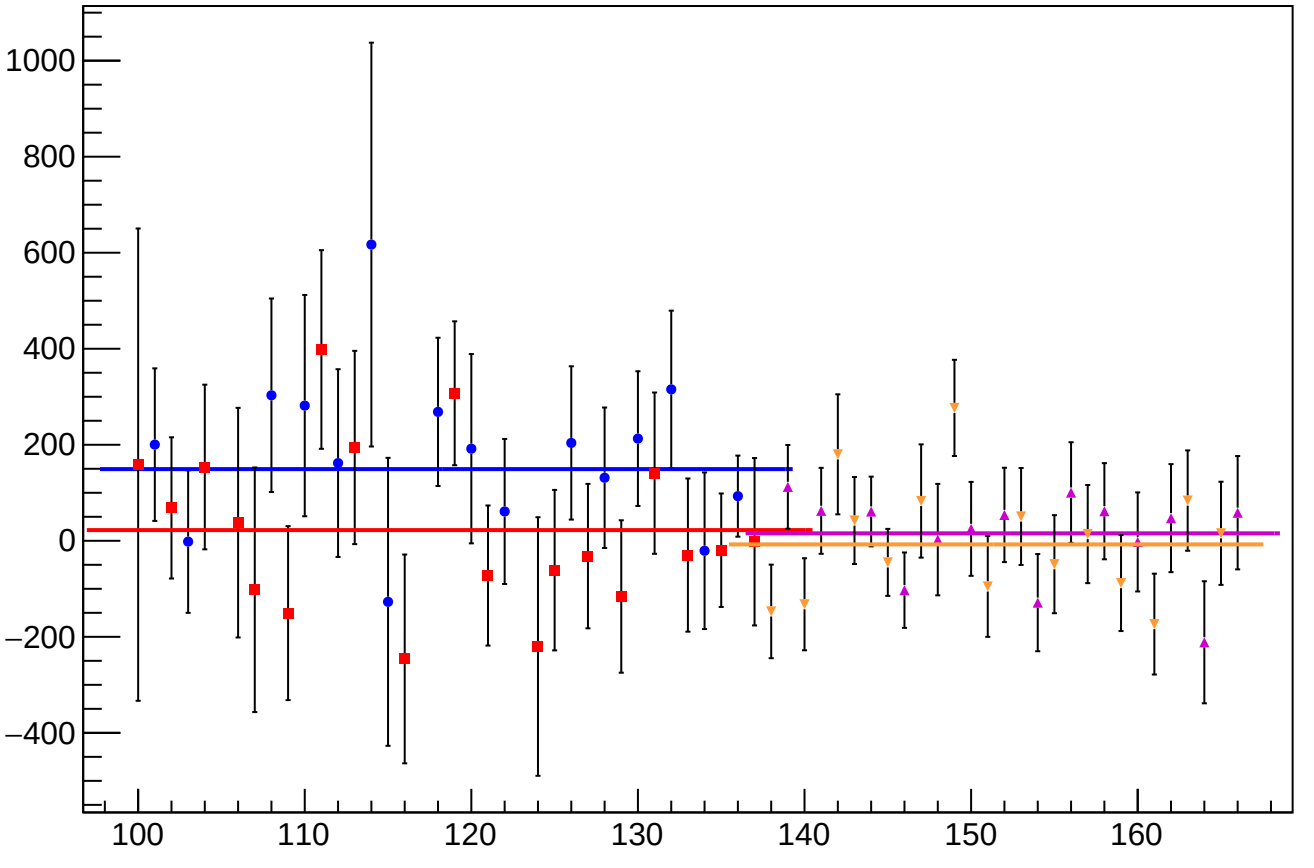
Left: 492.349+/-0.073 χ^2/NDF: 1010591.9/28

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.816+/-0.091 χ^2/NDF:2230029.5/29

Out: 542.104+/-0.091 χ^2/NDF:2621938.7/33

All: 540.462+/-0.064 χ^2/NDF: 4852621.7/63



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 15.593+/-25.942 χ^2/NDF:10.7/13

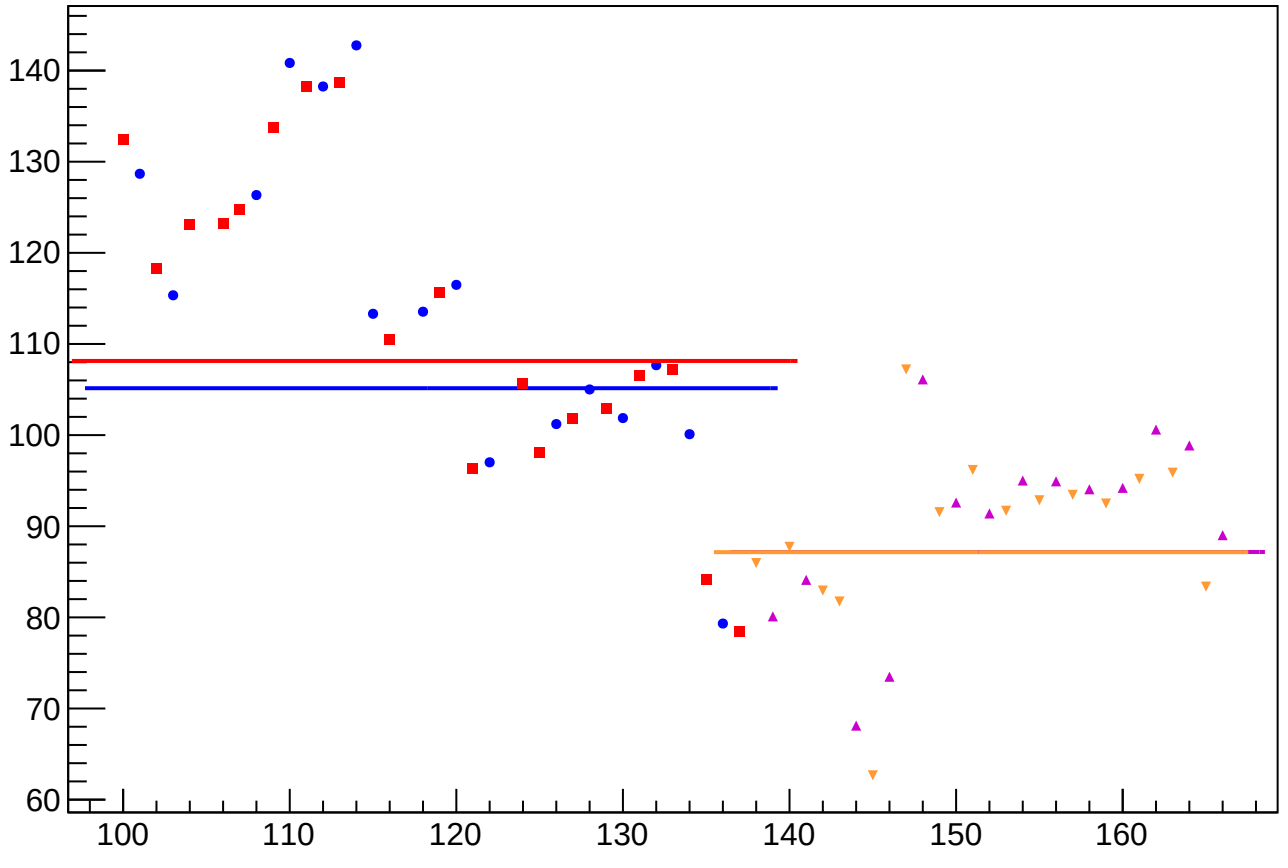
Left: 3.897+/-18.220 χ^2/NDF: 31.5/28

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.618+/-21.714 χ^2/NDF:26.7/29

Out: 1.126+/-21.578 χ^2/NDF:35.0/33

All: 28.200+/-15.306 χ^2/NDF: 64.8/63



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.176+/-0.018 χ^2/NDF:364756.2/13

Left: 87.166+/-0.013 χ^2/NDF: 749055.4/28

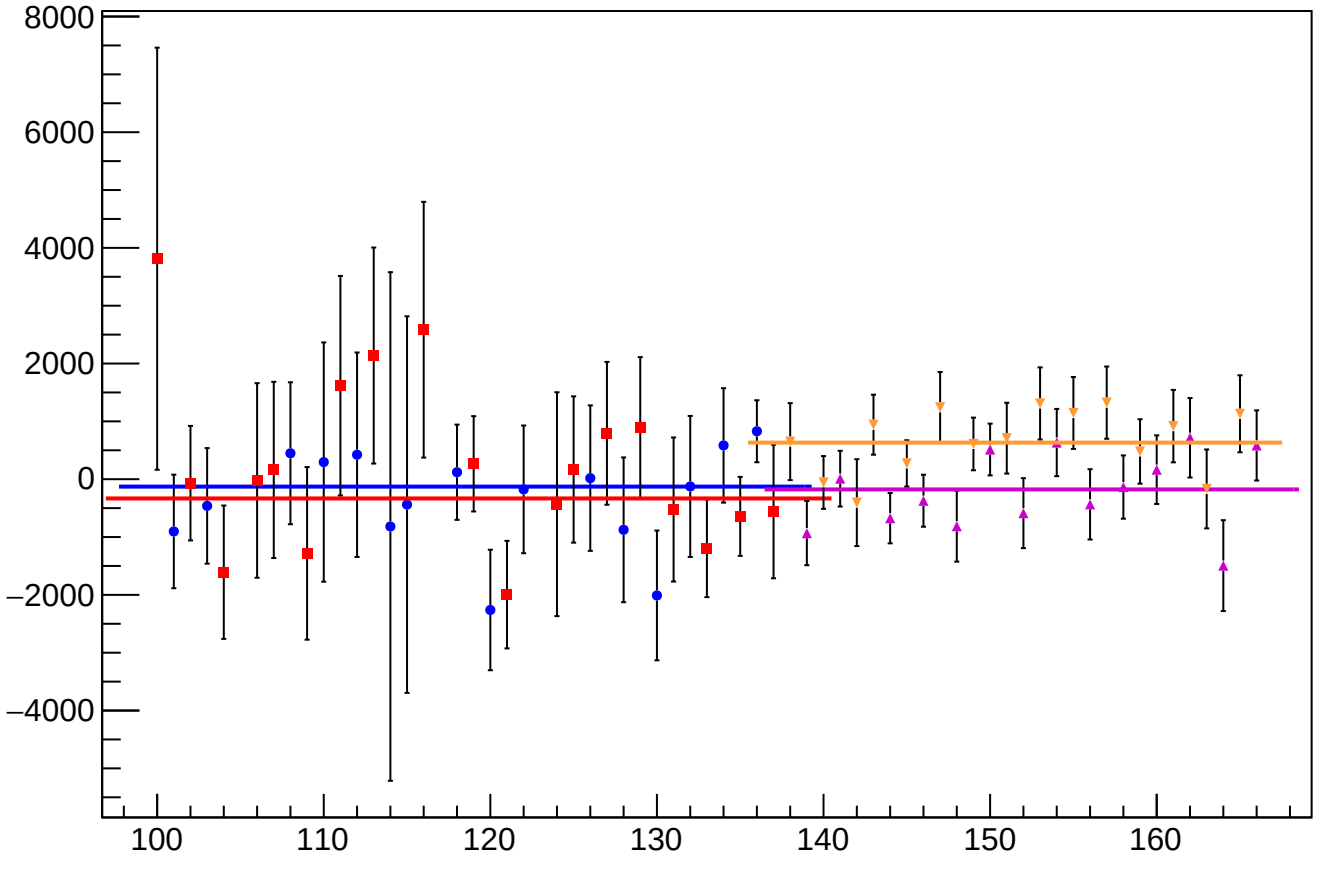
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.555+/-0.015 χ^2/NDF:1060472.5/29

Out: 93.224+/-0.015 χ^2/NDF:1119313.7/33

All: 92.892+/-0.011 χ^2/NDF: 2180741.1/63

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -176.540+/-146.660 χ^2/NDF:16.0/13

Left: 229.760+/-103.492 χ^2/NDF: 42.9/28

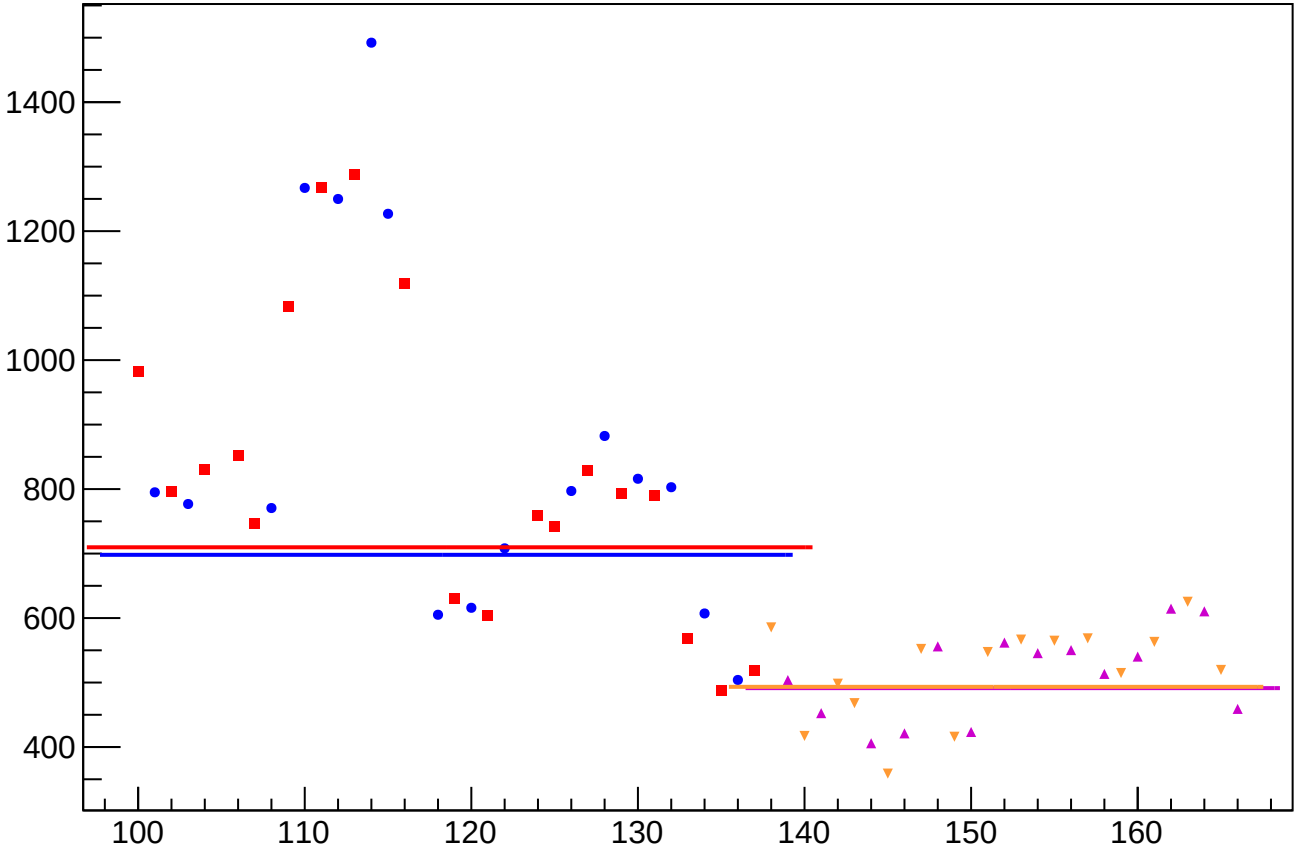
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -165.403+/-128.723 χ^2/NDF:28.3/29

Out: 415.227+/-128.558 χ^2/NDF:36.2/33

All: 125.286+/-90.963 χ^2/NDF: 74.7/63

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 491.345+/-0.104 χ^2/NDF:404748.3/13

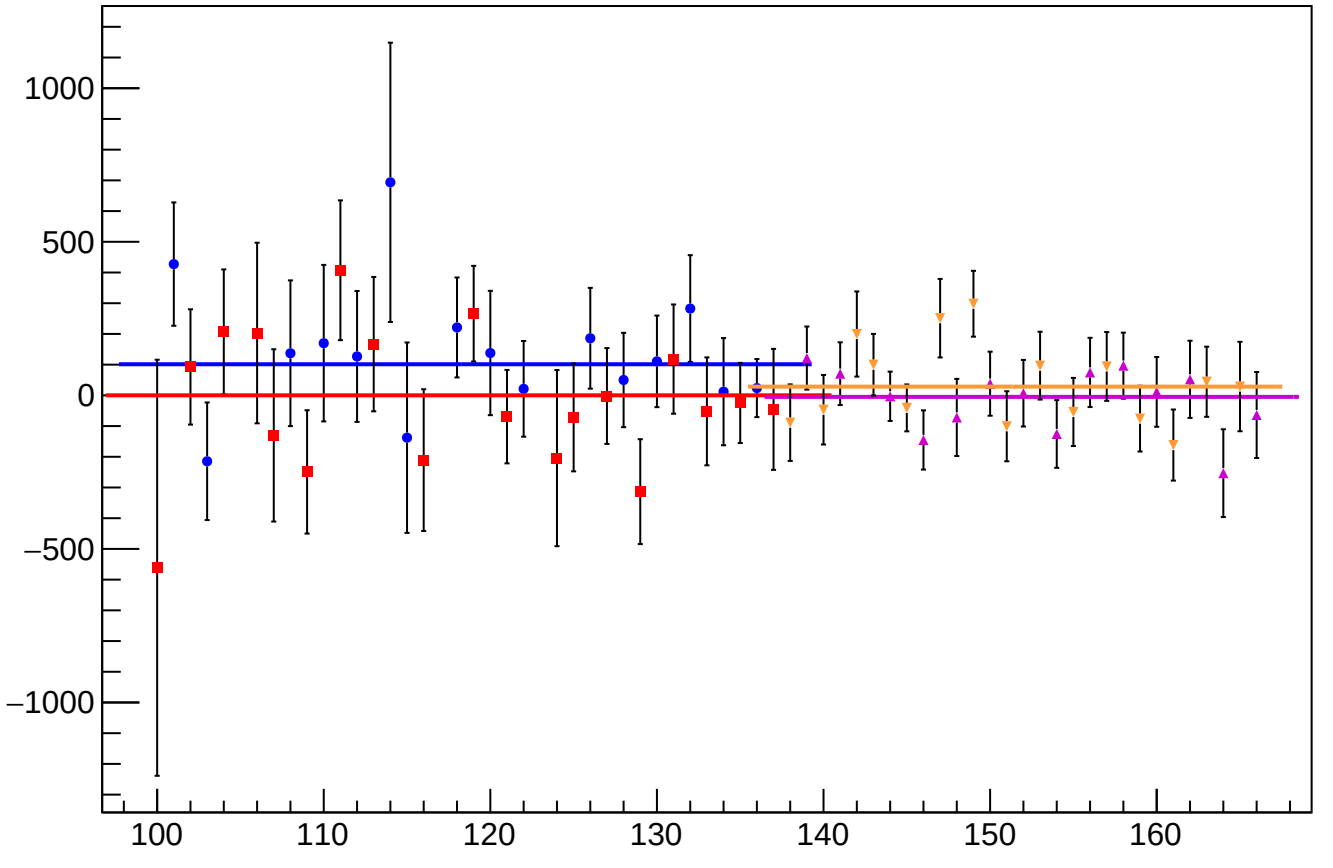
Left: 492.349+/-0.073 χ^2/NDF: 1010591.9/28

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.816+/-0.091 χ^2/NDF:2230029.5/29

Out: 542.104+/-0.091 χ^2/NDF:2621938.7/33

All: 540.462+/-0.064 χ^2/NDF: 4852621.7/63



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.434+/-28.641 χ^2/NDF:19.8/14

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.940+/-29.089 χ^2/NDF:10.7/13

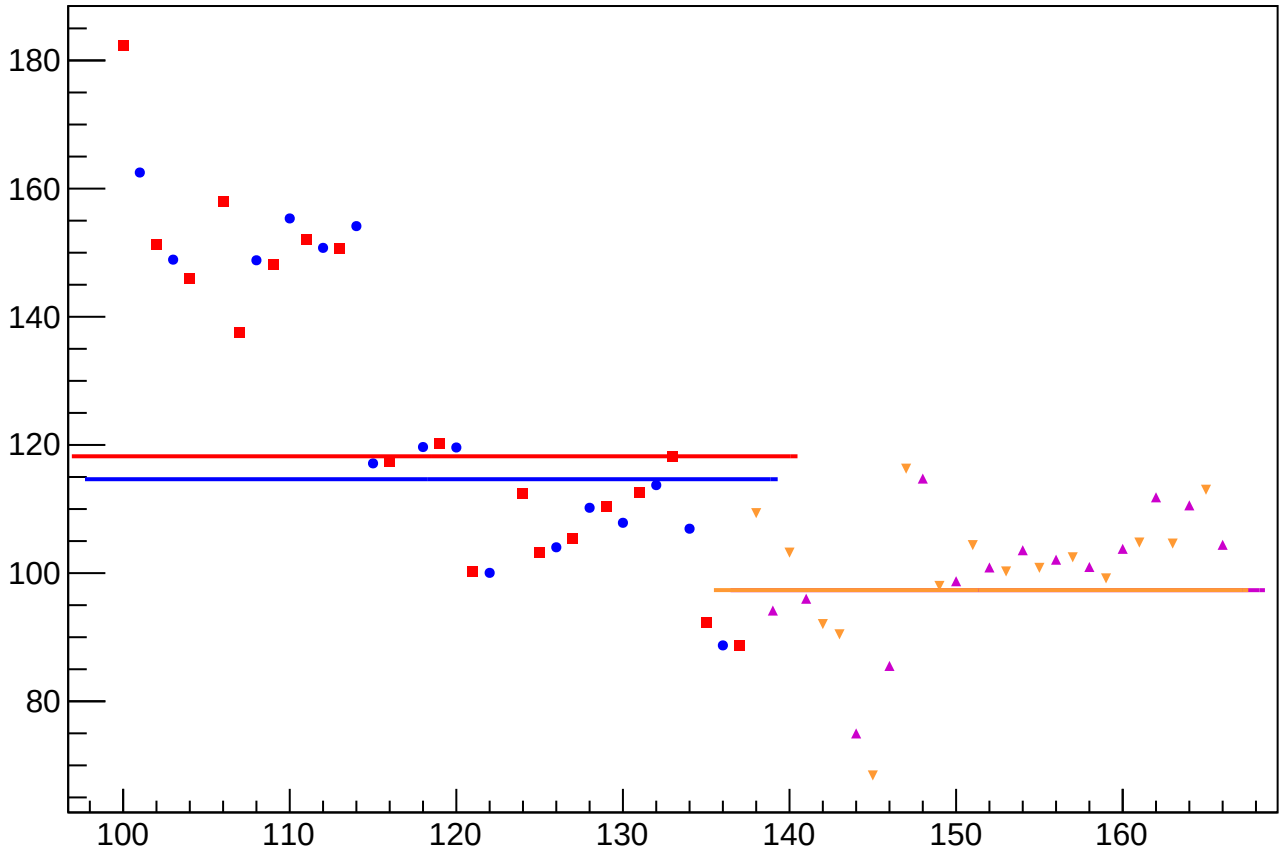
Left: 12.006+/-20.409 χ^2/NDF: 31.1/28

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 27.872+/-24.182 χ^2/NDF:25.8/29

Out: 20.018+/-24.009 χ^2/NDF:36.7/33

All: 23.917+/-17.038 χ^2/NDF: 62.5/63



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 97.350+/-0.020 χ^2/NDF:422082.6/14

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.339+/-0.021 χ^2/NDF:295737.8/13

Left: 97.345+/-0.014 χ^2/NDF: 717820.5/28

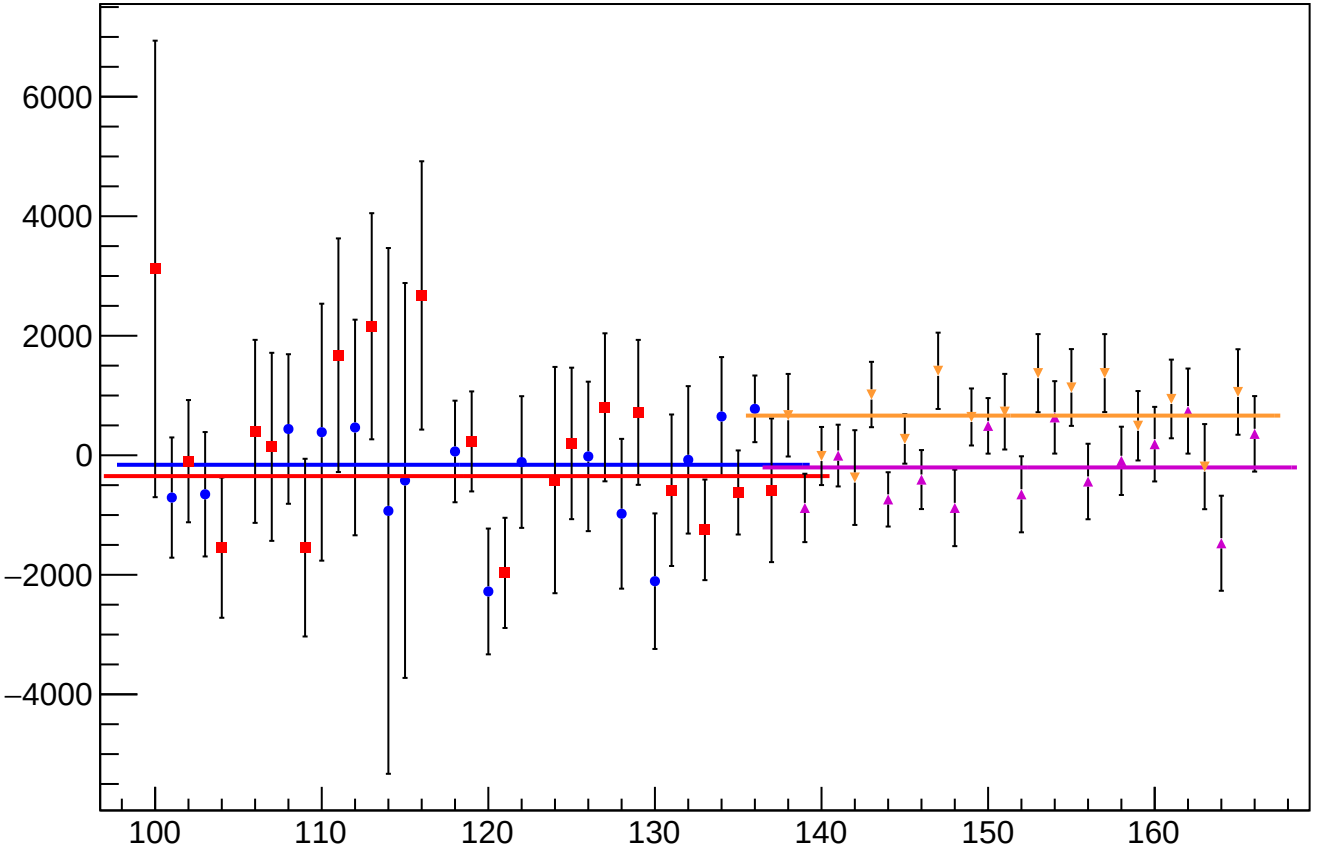
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.688+/-0.017 χ^2/NDF:1046621.3/29

Out: 103.557+/-0.017 χ^2/NDF:1221494.7/33

All: 103.126+/-0.012 χ^2/NDF: 2269417.8/63

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 663.946+/-152.938 χ^2/NDF:11.3/14

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -203.336+/-153.910 χ^2/NDF:14.5/13

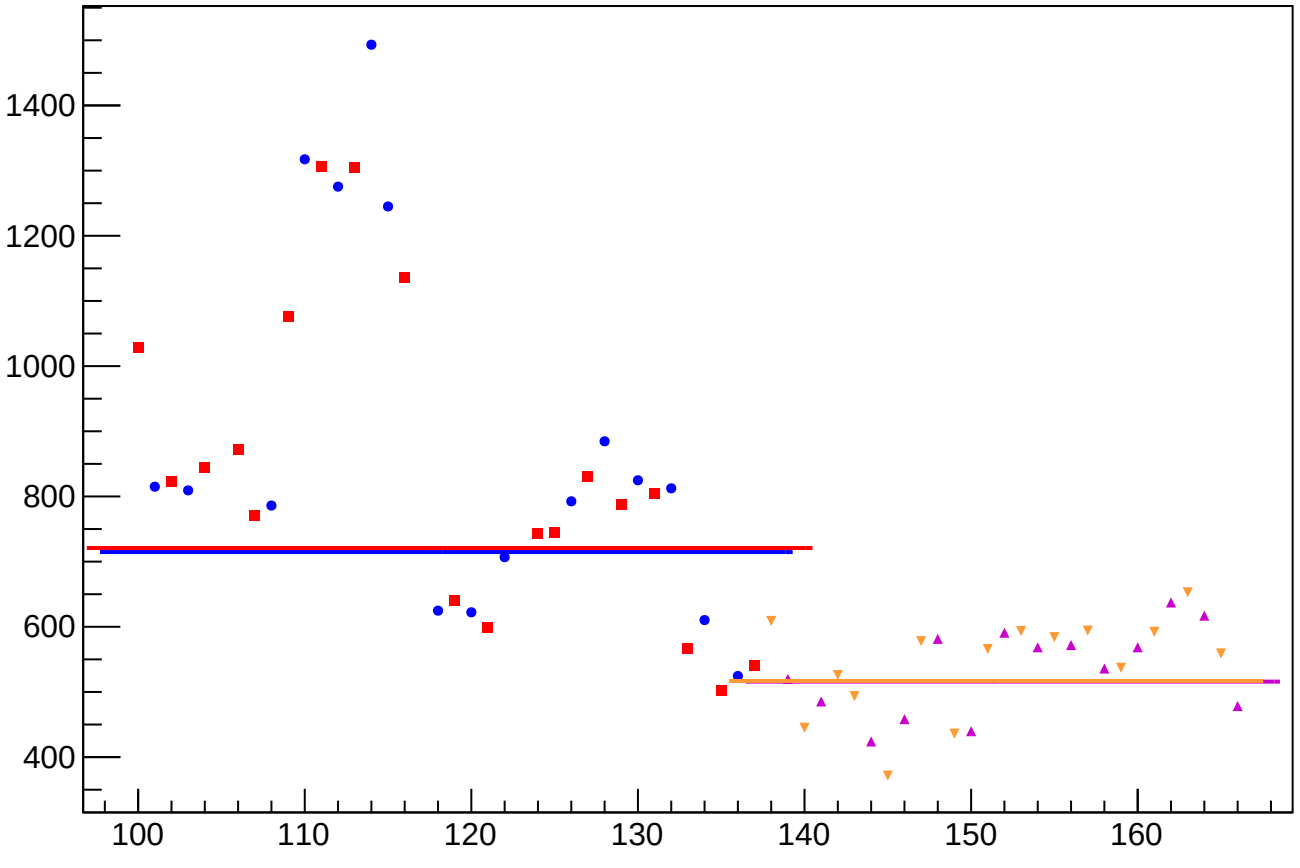
Left: 233.052+/-108.486 χ^2/NDF: 41.8/28

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -192.761+/-134.255 χ^2/NDF:26.5/29

Out: 422.895+/-133.497 χ^2/NDF:36.0/33

All: 116.810+/-94.663 χ^2/NDF: 73.1/63



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 516.912+/-0.108 χ^2/NDF:603154.3/14

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 515.847+/-0.109 χ^2/NDF:363625.3/13

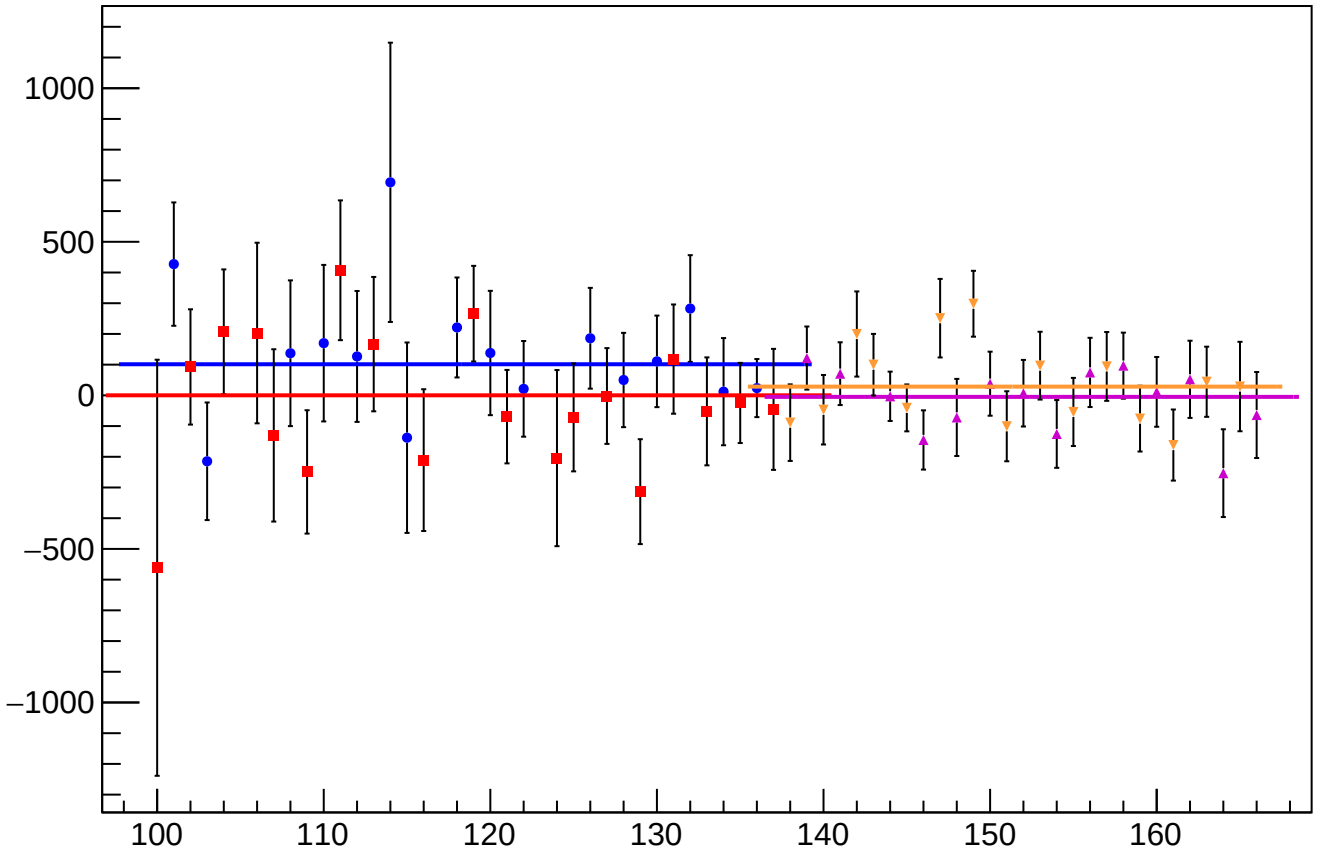
Left: 516.383+/-0.077 χ^2/NDF: 966827.8/28

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.386+/-0.095 χ^2/NDF:2037845.0/29

Out: 565.474+/-0.094 χ^2/NDF:2468555.1/33

All: 564.436+/-0.067 χ^2/NDF: 4506643.4/63



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.433+/-28.641 χ^2/NDF:19.8/14

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.941+/-29.089 χ^2/NDF:10.7/13

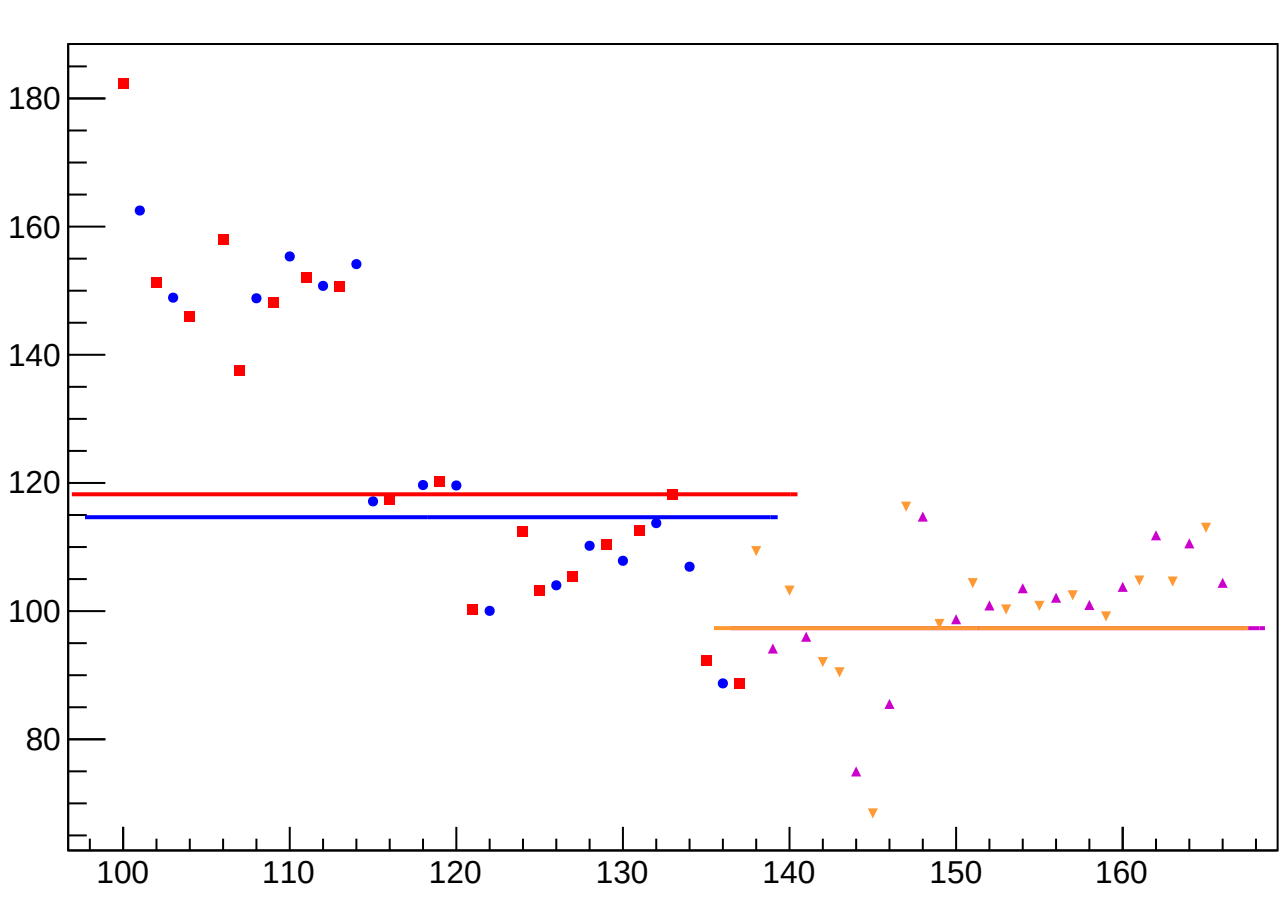
Left: 12.005+/-20.409 χ^2/NDF: 31.1/28

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 27.871+/-24.182 χ^2/NDF:25.8/29

Out: 20.017+/-24.009 χ^2/NDF:36.7/33

All: 23.916+/-17.038 χ^2/NDF: 62.5/63



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 97.350+/-0.020 χ^2/NDF:422089.0/14

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.339+/-0.021 χ^2/NDF:295737.9/13

Left: 97.345+/-0.014 χ^2/NDF: 717827.0/28

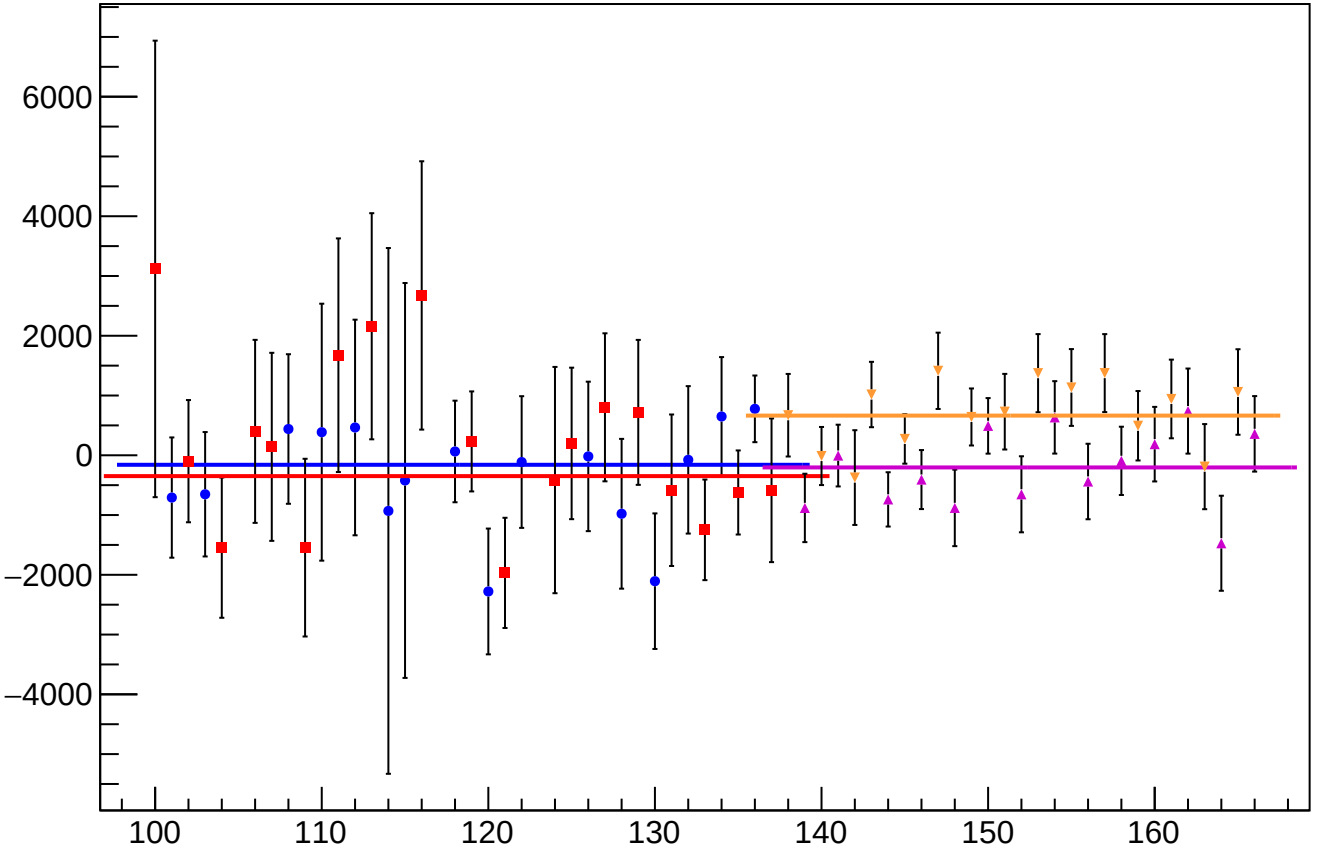
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.688+/-0.017 χ^2/NDF:1046610.2/29

Out: 103.557+/-0.017 χ^2/NDF:1221493.4/33

All: 103.126+/-0.012 χ^2/NDF: 2269405.2/63

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 663.946+/-152.939 χ^2/NDF:11.3/14

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -203.336+/-153.910 χ^2/NDF:14.5/13

Left: 233.052+/-108.486 χ^2/NDF: 41.8/28

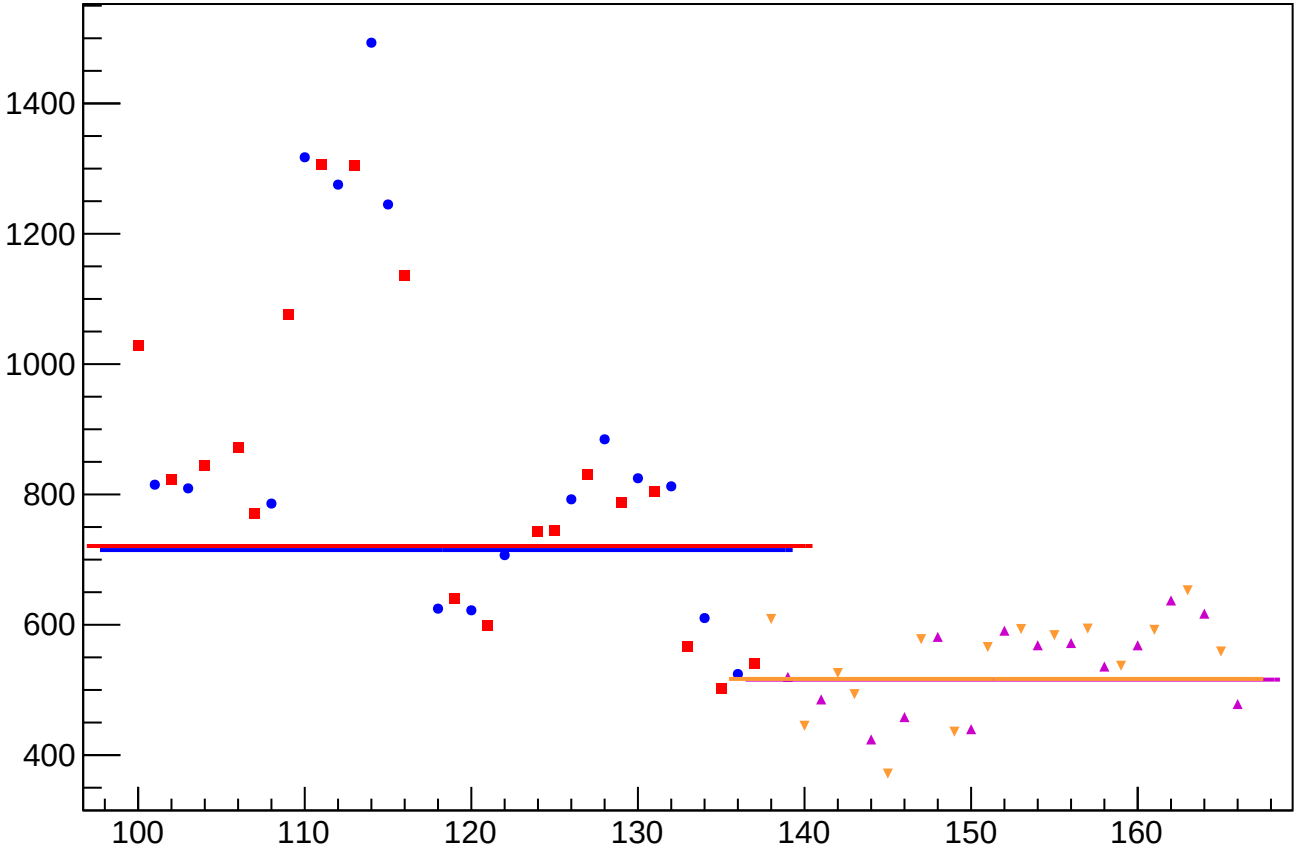
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -192.762+/-134.255 χ^2/NDF:26.5/29

Out: 422.894+/-133.497 χ^2/NDF:36.0/33

All: 116.809+/-94.663 χ^2/NDF: 73.1/63

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 516.912+/-0.108 χ^2/NDF:603155.7/14

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 515.847+/-0.109 χ^2/NDF:363624.2/13

Left: 516.383+/-0.077 χ^2/NDF: 966828.0/28

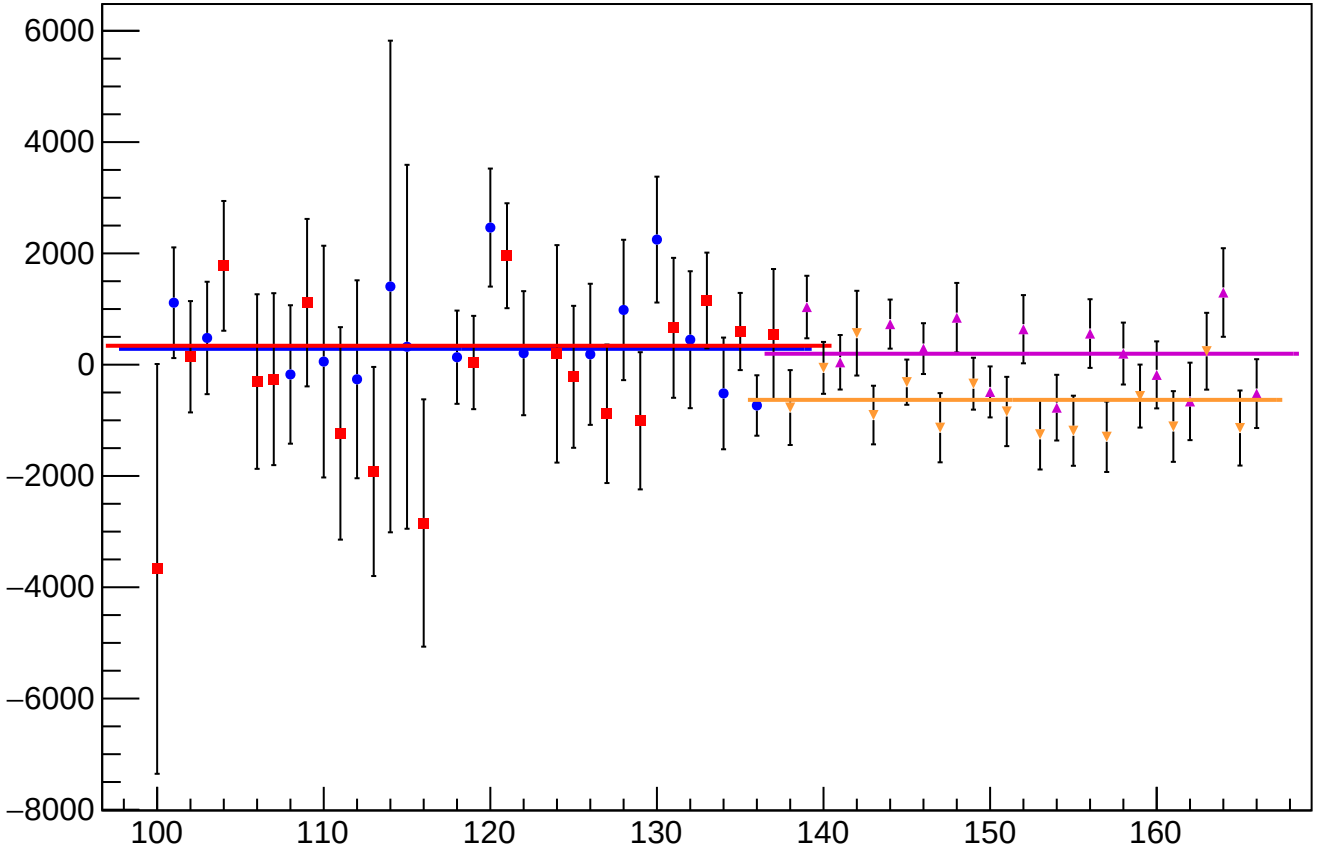
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.386+/-0.095 χ^2/NDF:2037837.1/29

Out: 565.474+/-0.094 χ^2/NDF:2468547.4/33

All: 564.436+/-0.067 χ^2/NDF: 4506627.7/63

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -632.323+/-148.466 χ^2/NDF:11.6/14

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 196.571+/-149.079 χ^2/NDF:15.9/13

Left: -219.582+/-105.197 χ^2/NDF: 43.0/28

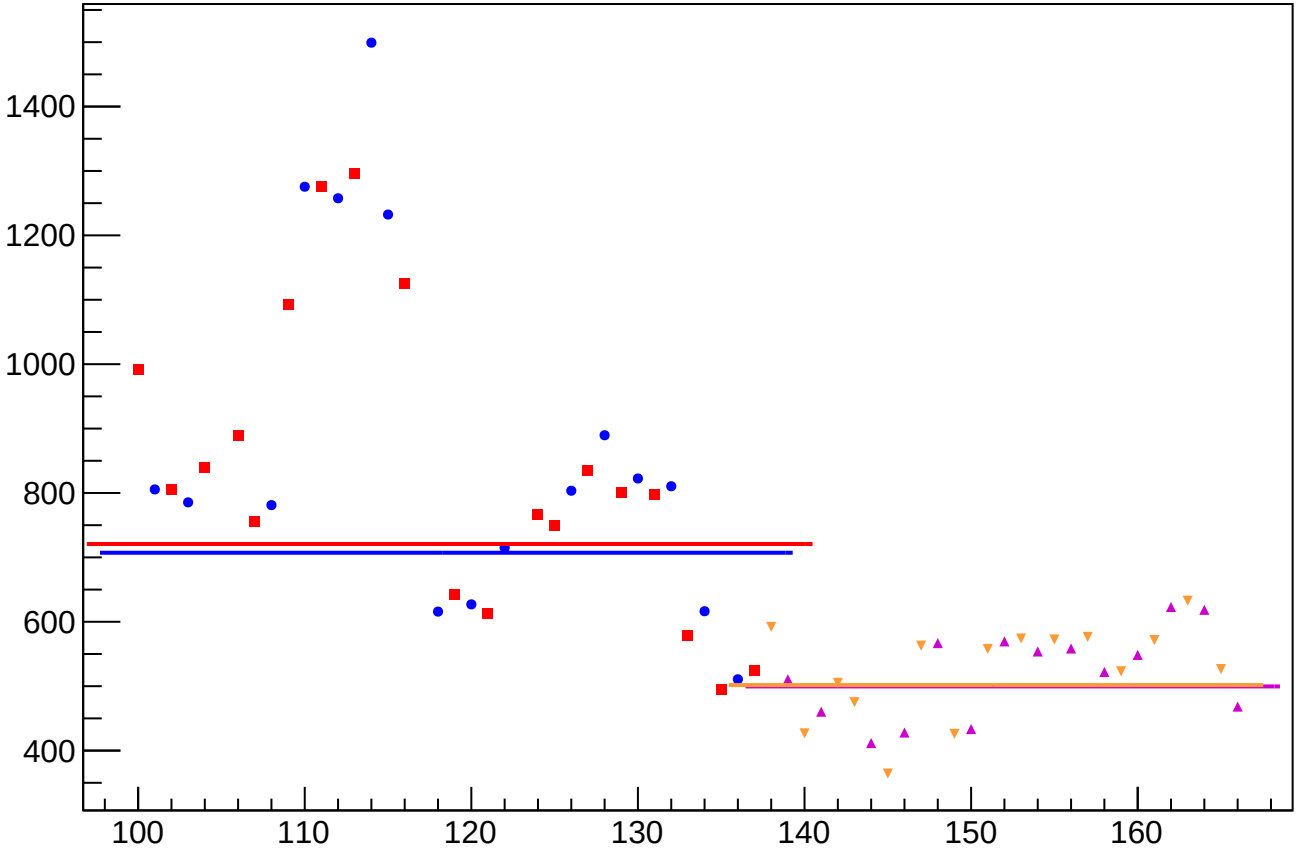
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 216.954+/-130.725 χ^2/NDF:28.7/29

Out: -411.140+/-130.492 χ^2/NDF:35.5/33

All: -97.652+/-92.354 χ^2/NDF: 75.8/63

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 501.743+/-0.105 χ^2/NDF:591227.1/14

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 499.610+/-0.105 χ^2/NDF:397351.8/13

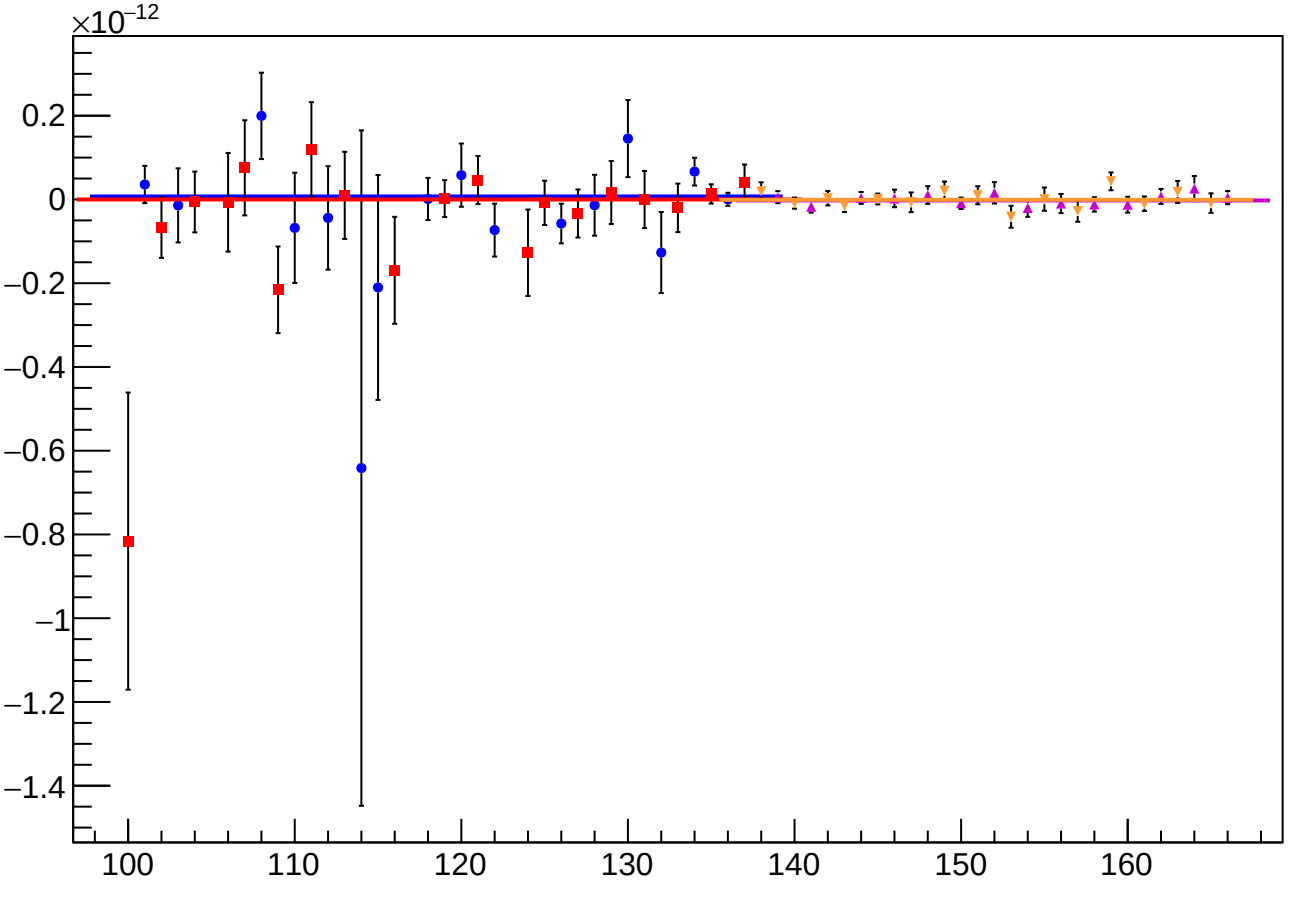
Left: 500.681+/-0.074 χ^2/NDF: 988784.5/28

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 547.581+/-0.092 χ^2/NDF:2190246.6/29

Out: 551.567+/-0.092 χ^2/NDF:2596729.6/33

All: 549.578+/-0.065 χ^2/NDF: 4787907.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/13

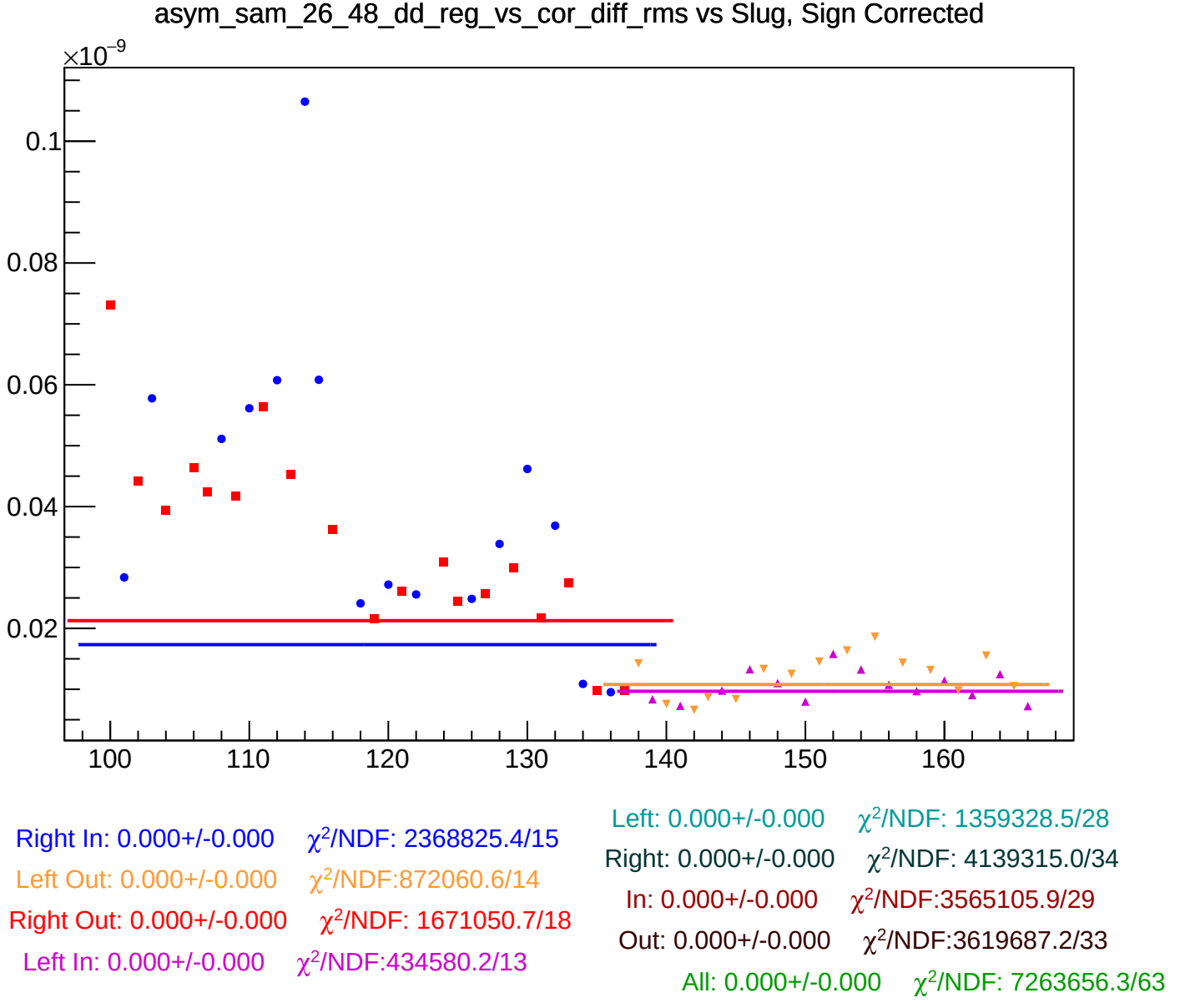
Left: -0.000+/-0.000 χ^2/NDF: 17.6/28

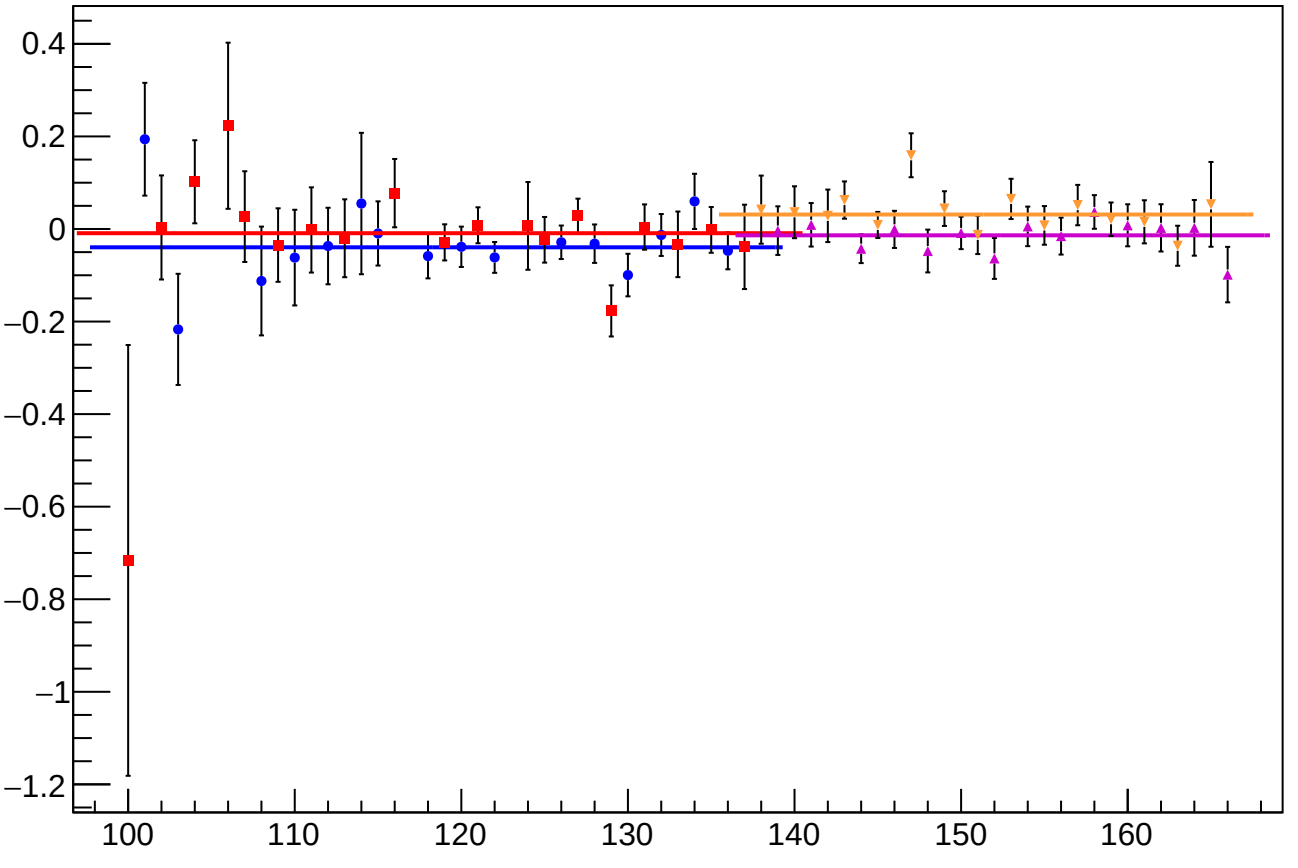
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:23.4/29

Out: -0.000+/-0.000 χ^2/NDF:29.8/33

All: -0.000+/-0.000 χ^2/NDF: 53.3/63


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:872060.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:434580.2/13
Left: 0.000+/-0.000 χ²/NDF: 1359328.5/28
Right: 0.000+/-0.000 χ²/NDF: 4139315.0/34
In: 0.000+/-0.000 χ²/NDF:3565105.9/29
Out: 0.000+/-0.000 χ²/NDF:3619687.2/33
All: 0.000+/-0.000 χ²/NDF: 7263656.3/63



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/28

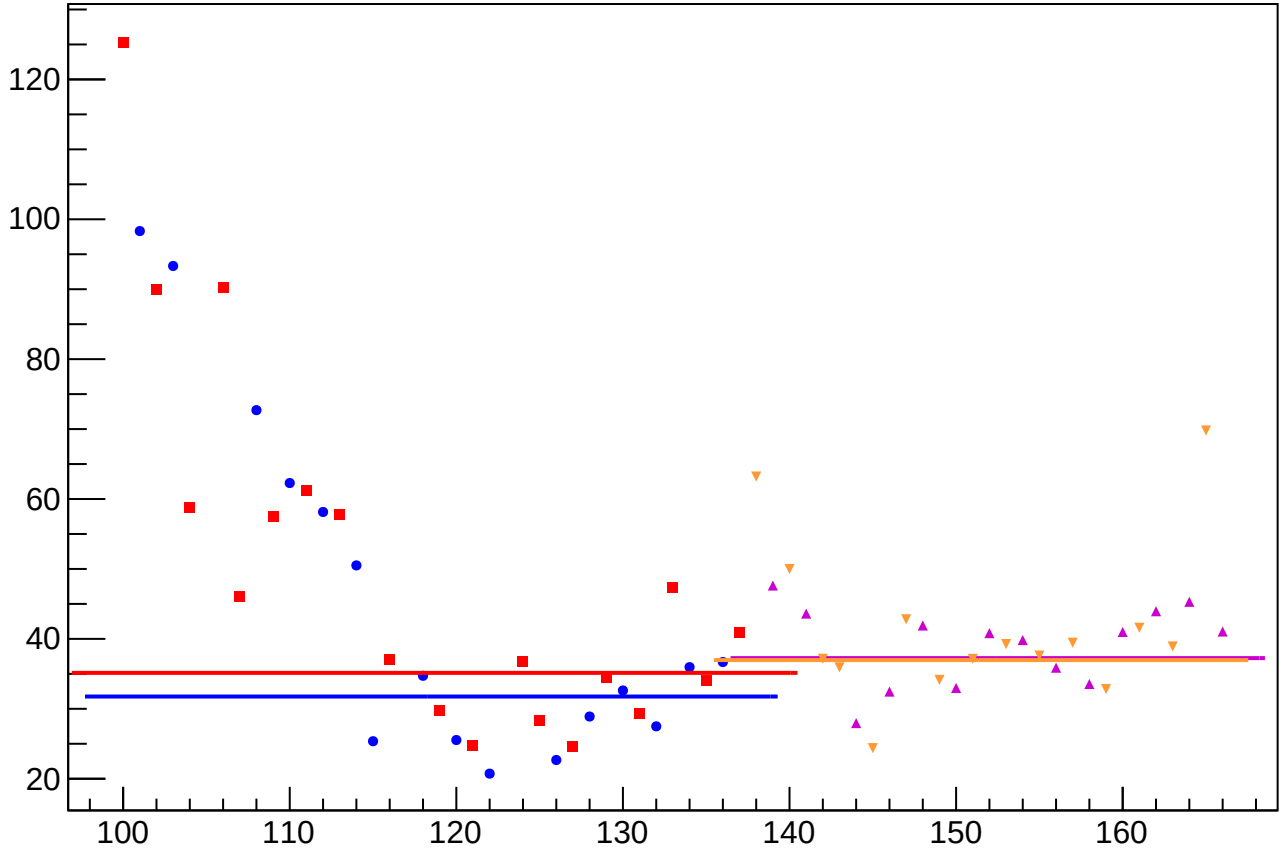
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.005+/-0.006 χ^2/NDF: 70.0/63

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124797.3/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507700.6/13

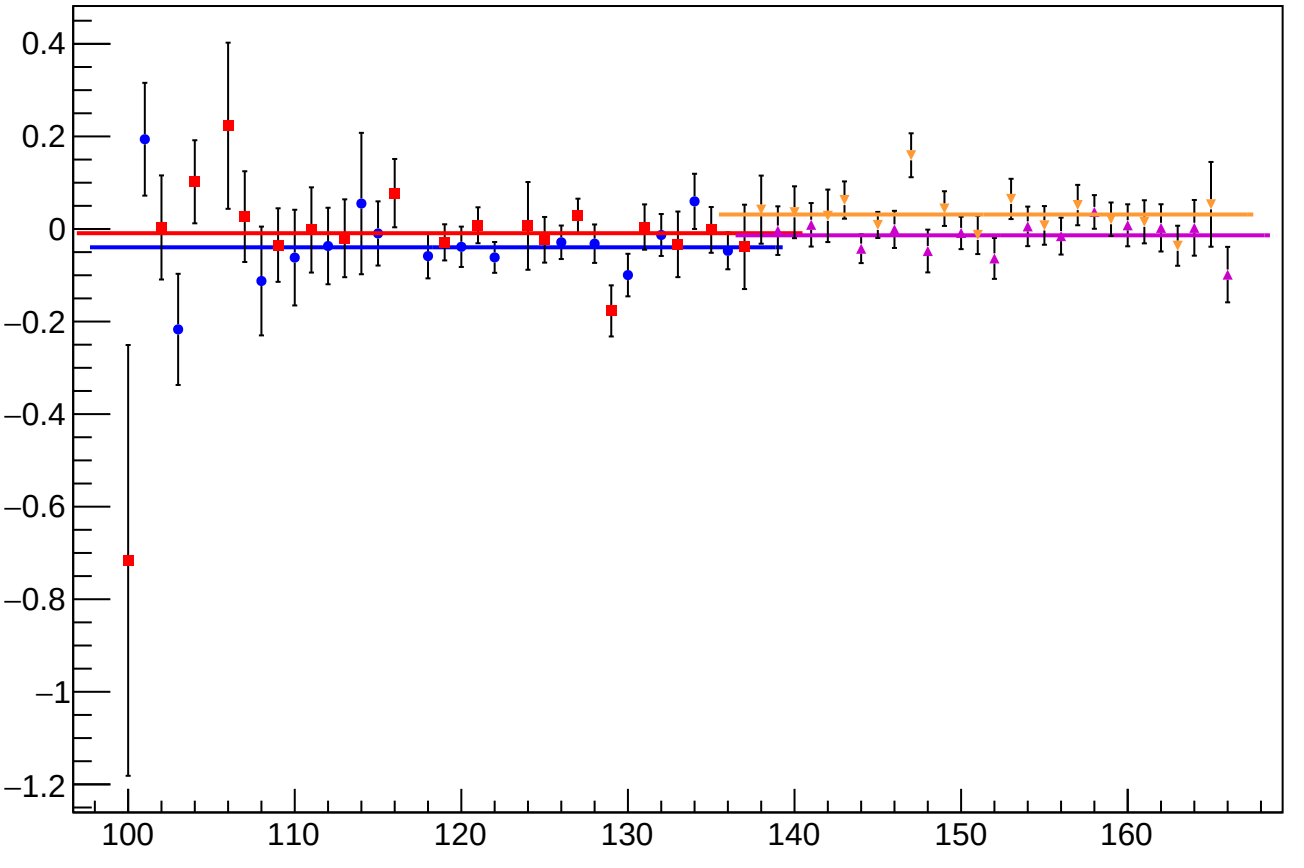
Left: 37.104+/-0.006 χ^2/NDF: 1633122.7/28

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.881+/-0.006 χ^2/NDF:2958310.8/29

Out: 36.261+/-0.006 χ^2/NDF:2989869.8/33

All: 35.559+/-0.004 χ^2/NDF: 5973219.1/63



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/28

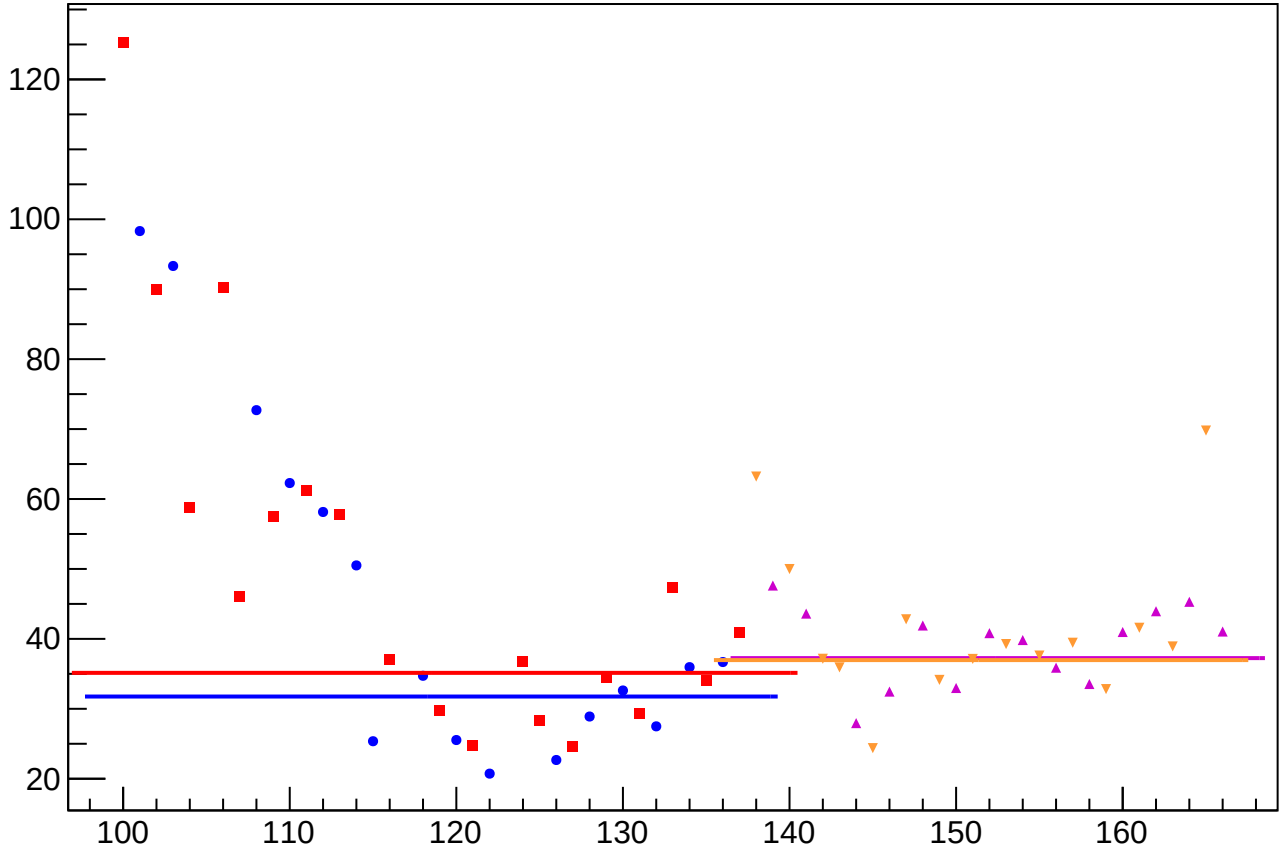
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.005+/-0.006 χ^2/NDF: 70.0/63

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124797.3/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507700.6/13

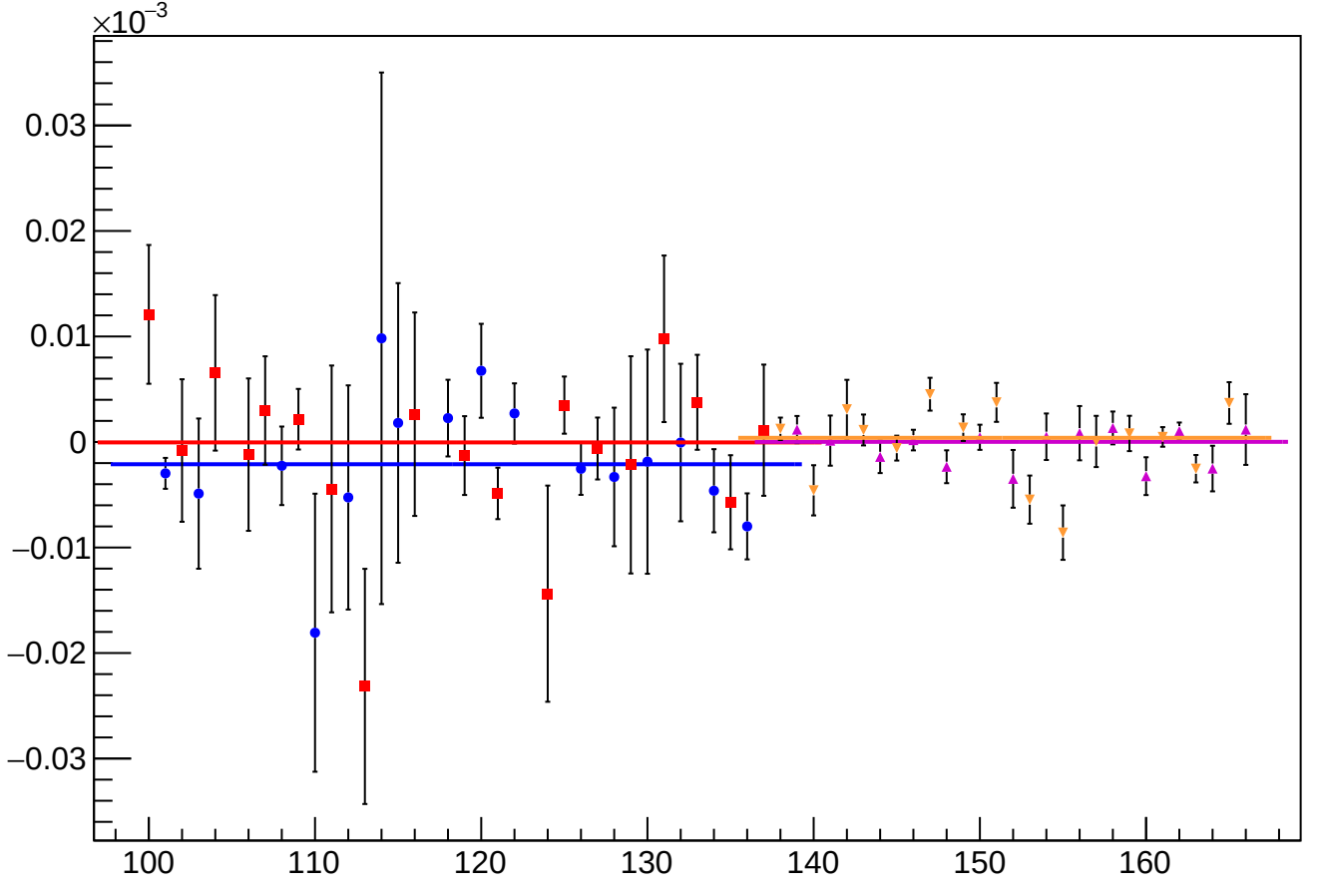
Left: 37.104+/-0.006 χ^2/NDF: 1633122.7/28

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.881+/-0.006 χ^2/NDF:2958310.8/29

Out: 36.261+/-0.006 χ^2/NDF:2989869.8/33

All: 35.559+/-0.004 χ^2/NDF: 5973219.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/13

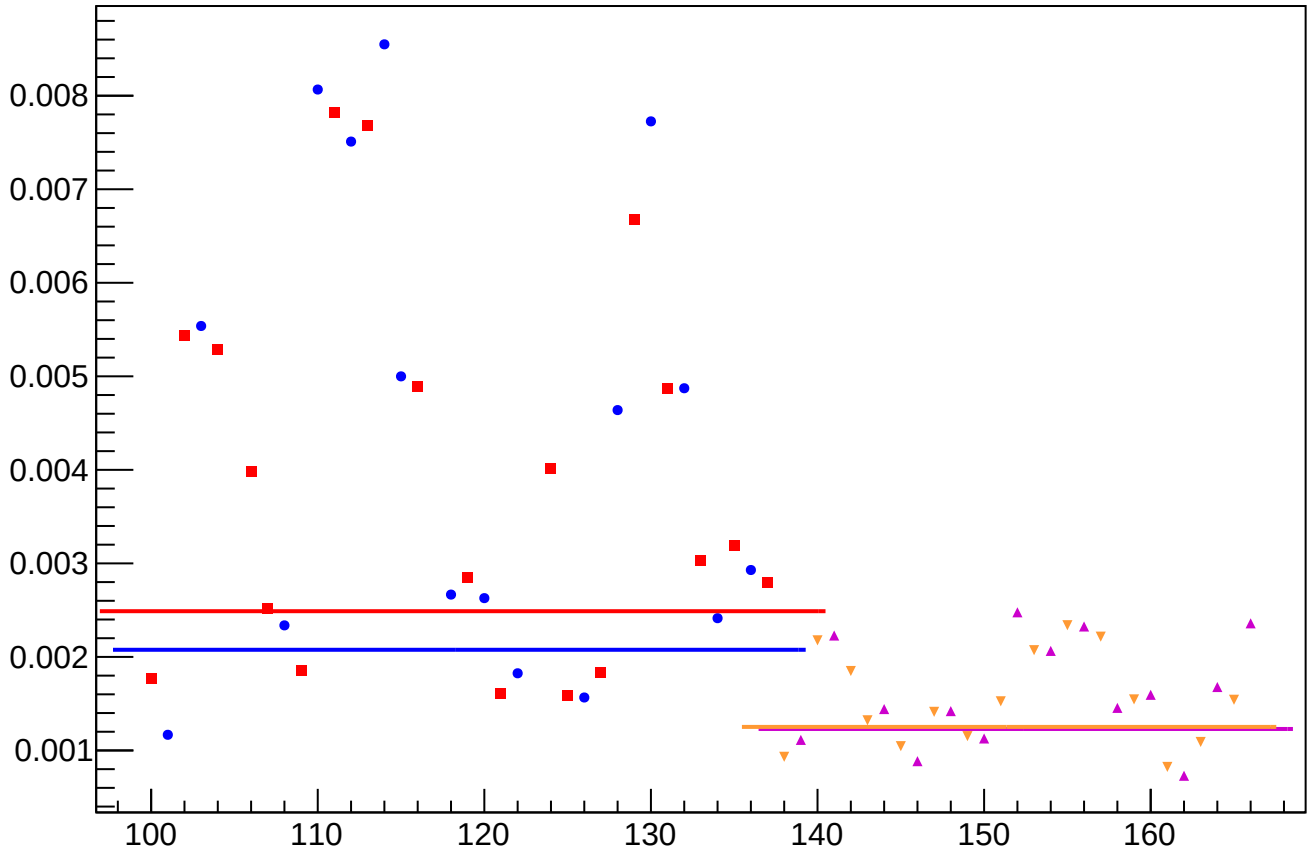
Left: 0.000+/-0.000 χ^2/NDF: 58.0/28

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:32.3/29

Out: 0.000+/-0.000 χ^2/NDF:66.1/33

All: 0.000+/-0.000 χ^2/NDF: 100.0/63



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2207771.6/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2956082.3/13

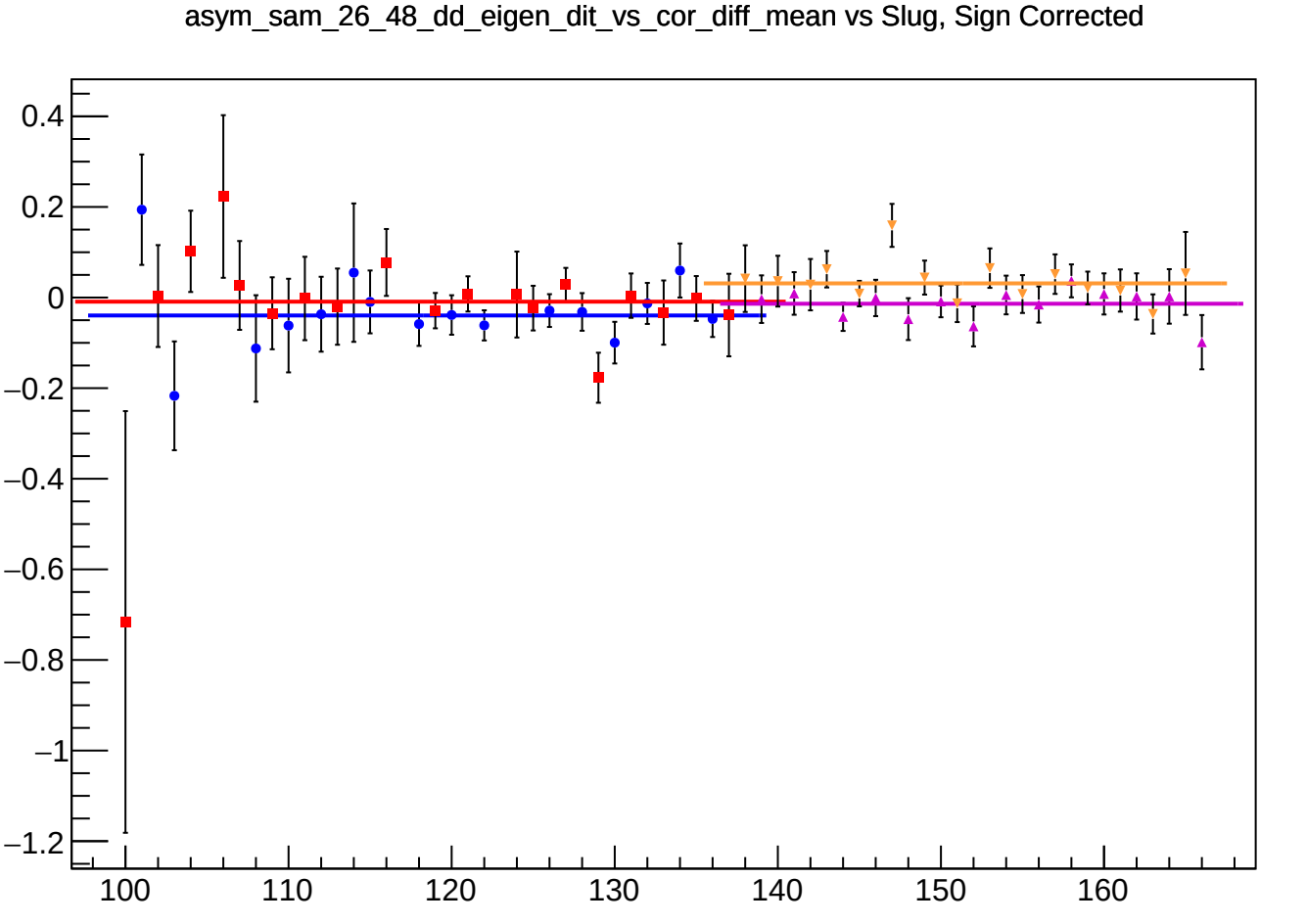
Left: 0.001+/-0.000 χ^2/NDF: 5167017.2/28

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8330391.1/29

Out: 0.001+/-0.000 χ^2/NDF:7772549.2/33

All: 0.001+/-0.000 χ^2/NDF: 16114413.0/63



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/28

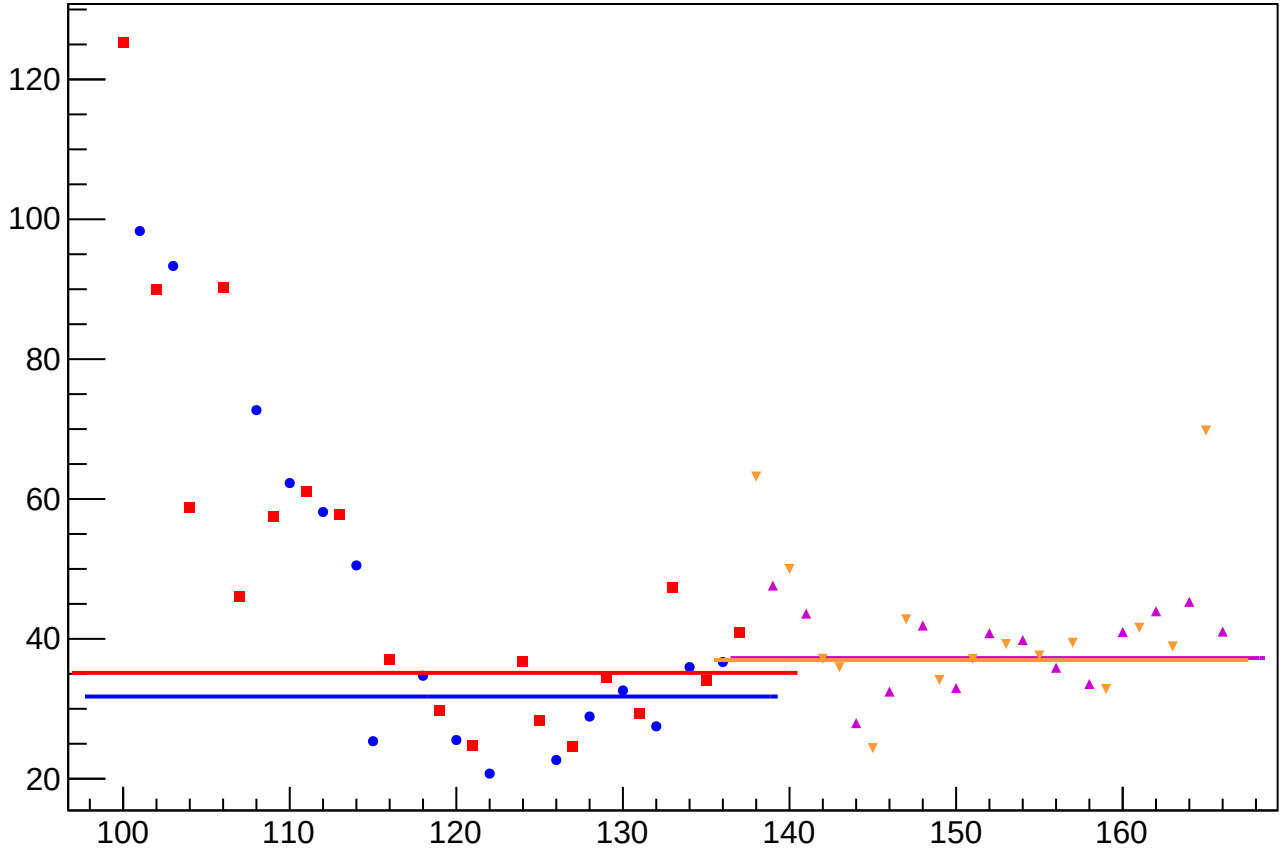
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.005+/-0.006 χ^2/NDF: 70.0/63

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124826.1/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507689.7/13

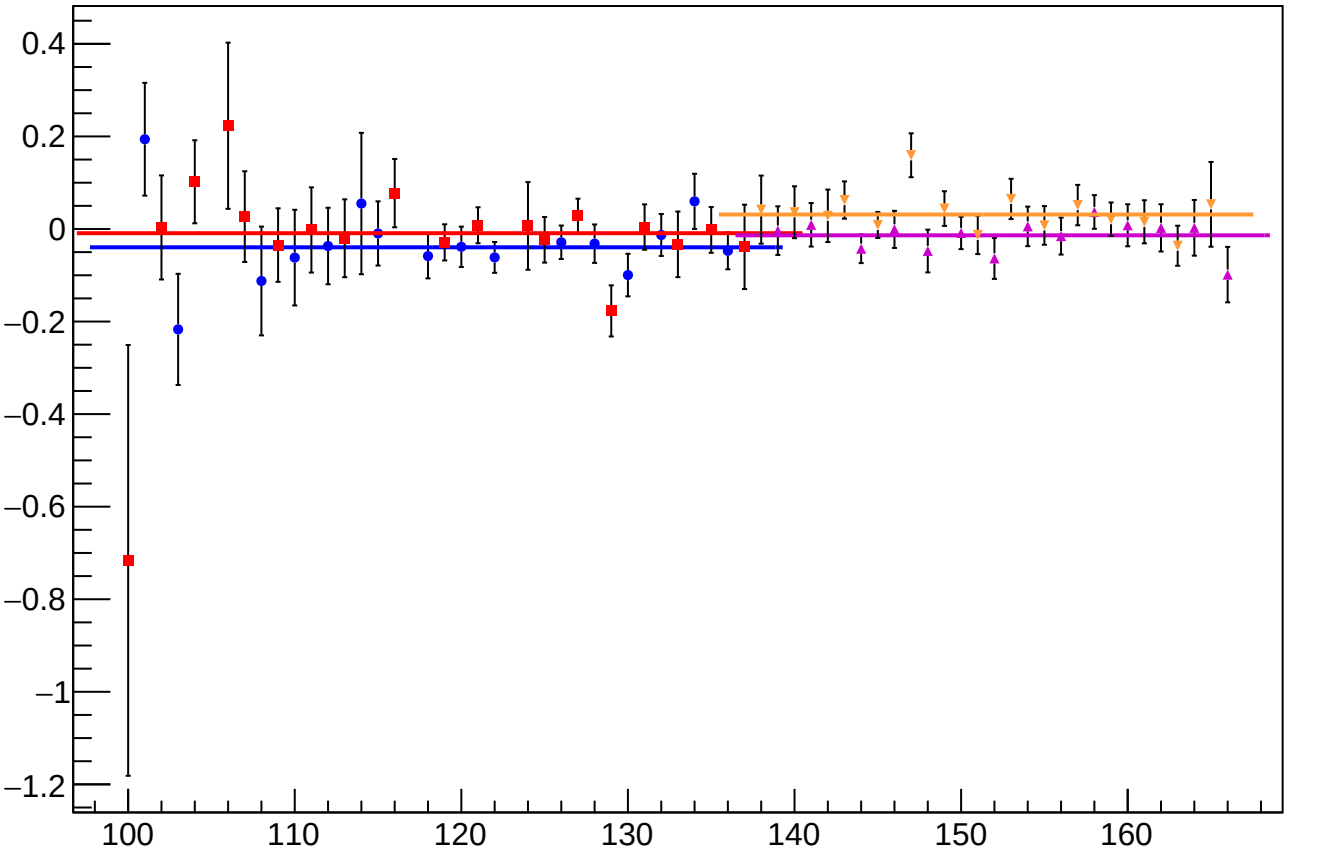
Left: 37.104+/-0.006 χ^2/NDF: 1633140.6/28

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.881+/-0.006 χ^2/NDF:2958252.3/29

Out: 36.261+/-0.006 χ^2/NDF:2989785.5/33

All: 35.559+/-0.004 χ^2/NDF: 5973076.3/63



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.014+/-0.011 χ^2/NDF:7.6/13

Left: 0.009+/-0.008 χ^2/NDF: 29.1/28

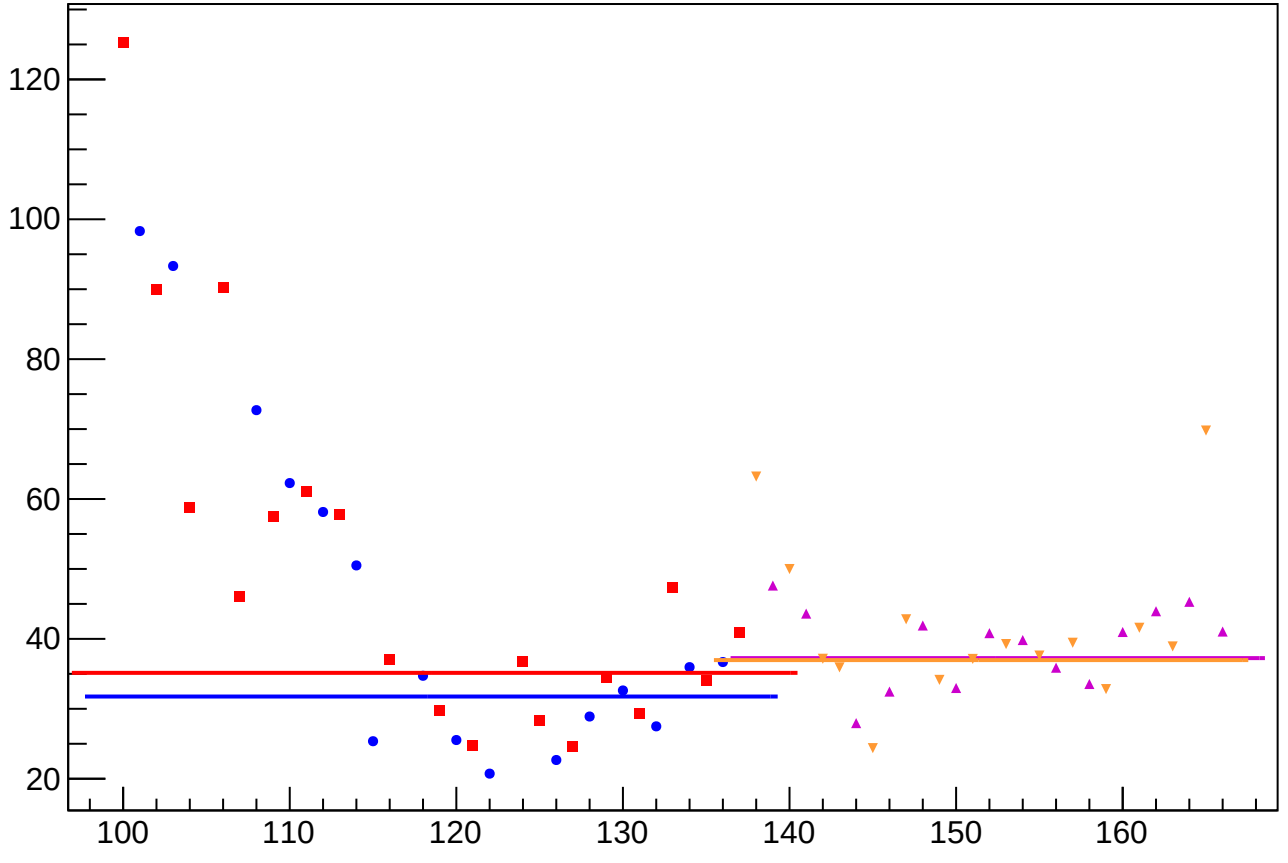
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:22.2/29

Out: 0.016+/-0.009 χ^2/NDF:36.9/33

All: -0.005+/-0.006 χ^2/NDF: 70.0/63

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124826.1/14

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.248+/-0.008 χ^2/NDF:507689.7/13

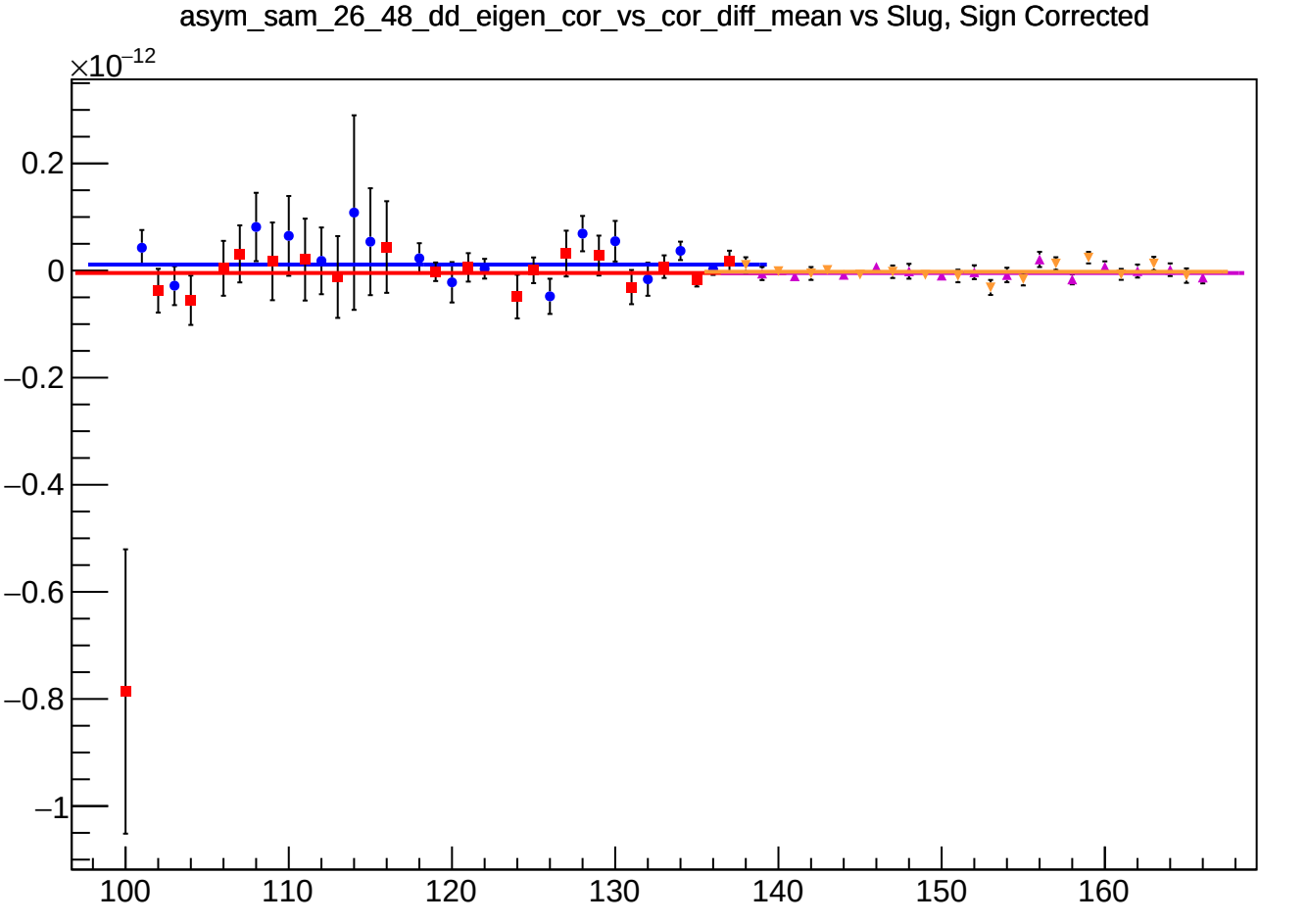
Left: 37.104+/-0.006 χ^2/NDF: 1633140.6/28

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

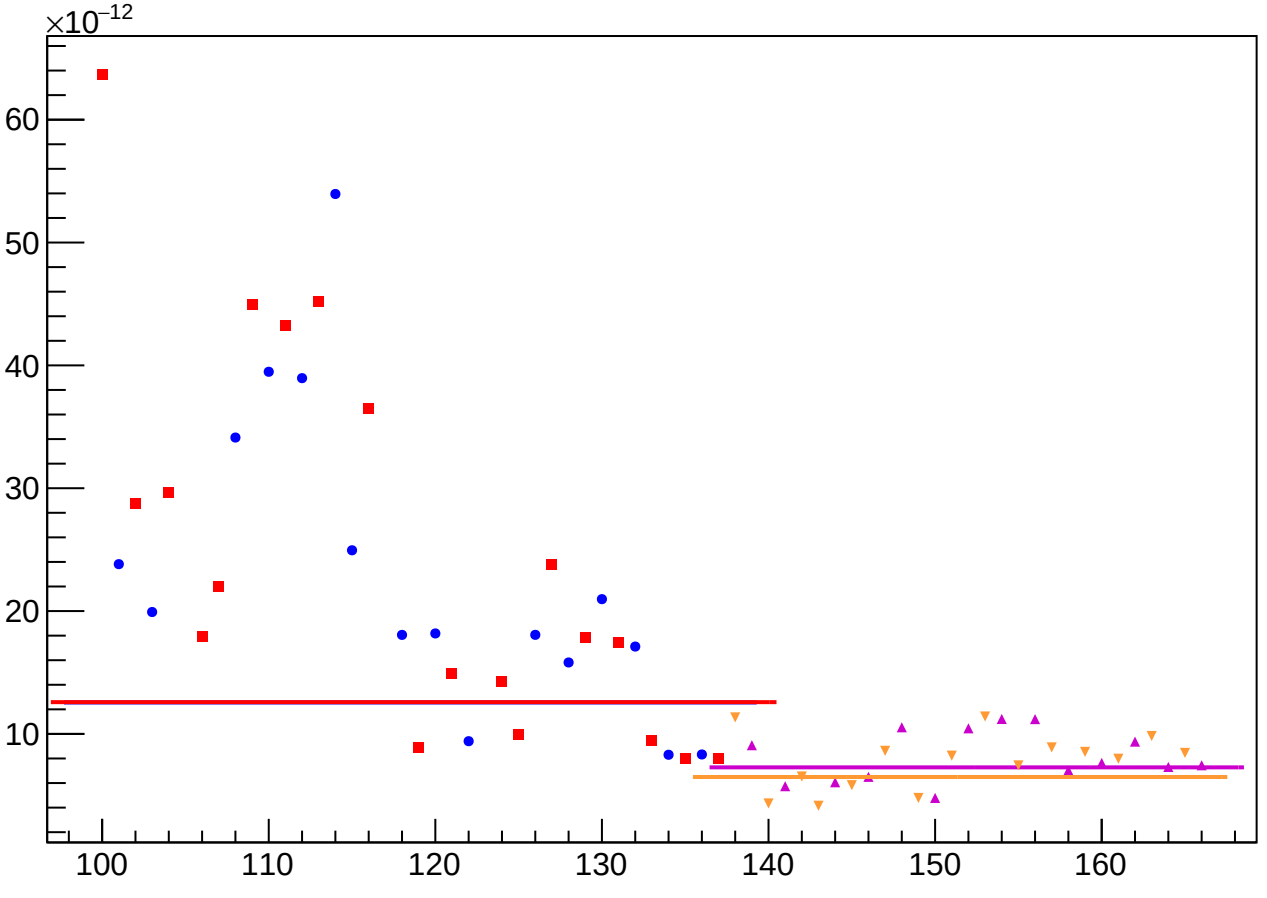
In: 34.881+/-0.006 χ^2/NDF:2958252.3/29

Out: 36.261+/-0.006 χ^2/NDF:2989785.5/33

All: 35.559+/-0.004 χ^2/NDF: 5973076.3/63


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:18.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 17.5/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/13
Left: -0.000+/-0.000 χ²/NDF: 28.7/28
Right: 0.000+/-0.000 χ²/NDF: 37.3/34
In: -0.000+/-0.000 χ²/NDF:32.2/29
Out: -0.000+/-0.000 χ²/NDF:35.6/33
All: -0.000+/-0.000 χ²/NDF: 67.8/63

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1642559.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1039725.6/13

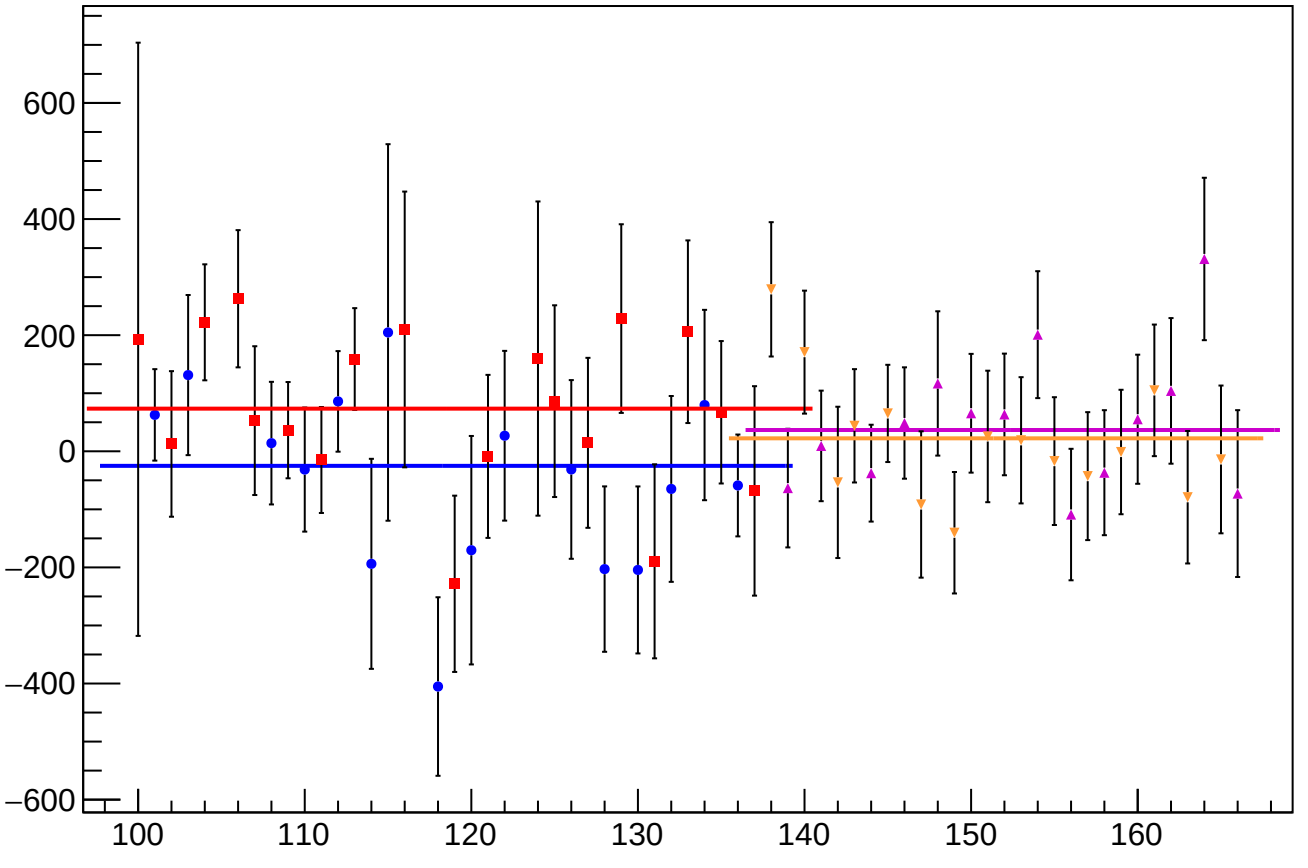
Left: 0.000+/-0.000 χ^2/NDF: 2775269.8/28

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4350175.3/29

Out: 0.000+/-0.000 χ^2/NDF:5868554.7/33

All: 0.000+/-0.000 χ^2/NDF: 10339639.1/63



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.325+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 36.660+/-28.844 χ^2/NDF:12.1/13

Left: 29.336+/-20.172 χ^2/NDF: 24.9/28

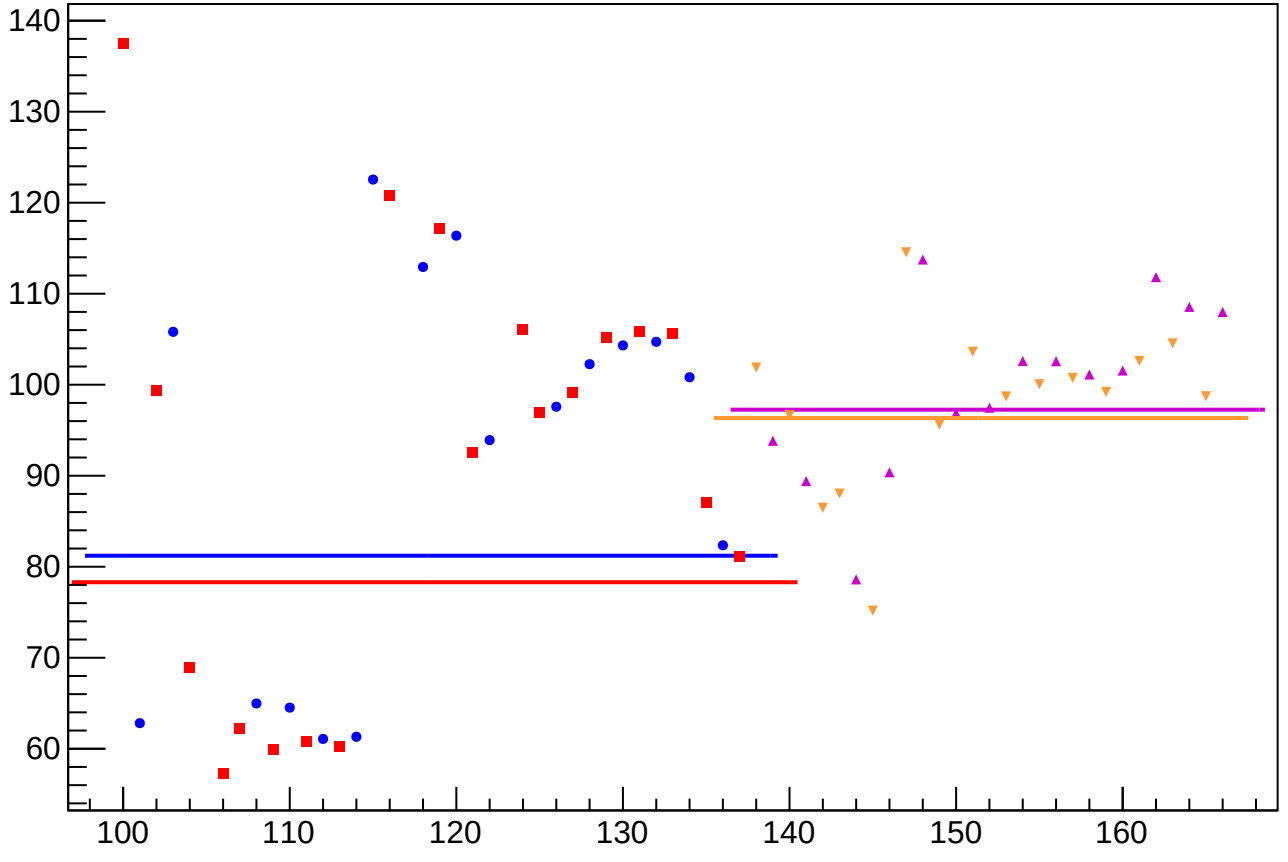
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 8.242+/-21.189 χ^2/NDF:30.4/29

Out: 46.385+/-20.534 χ^2/NDF:31.0/33

All: 27.912+/-14.746 χ^2/NDF: 63.1/63

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.4/13

Left: 96.790+/-0.014 χ^2/NDF: 461790.5/28

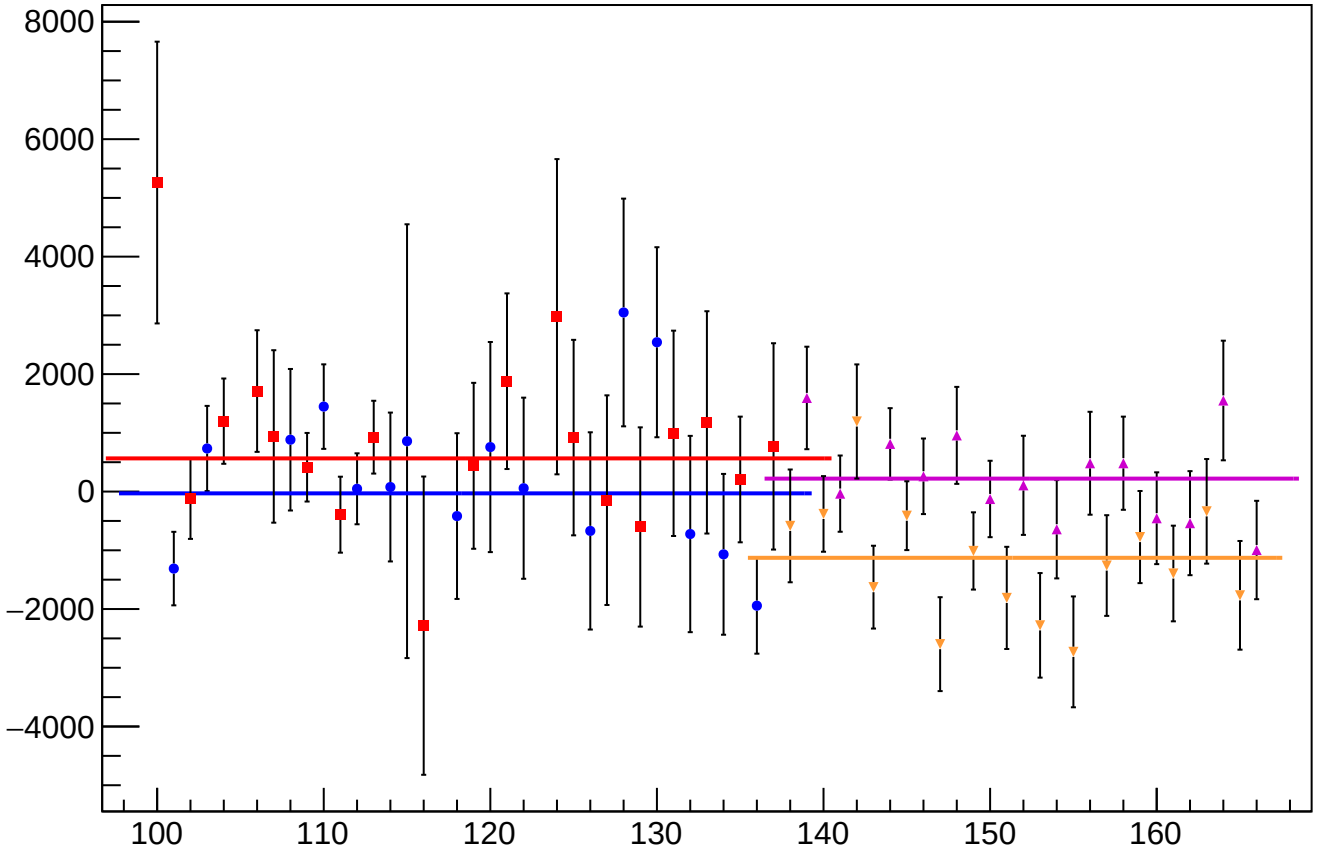
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.869+/-0.015 χ^2/NDF:1299961.0/29

Out: 87.852+/-0.015 χ^2/NDF:1552928.6/33

All: 88.829+/-0.010 χ^2/NDF: 2862233.0/63

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1127.937+/-204.173 χ^2/NDF:19.5/14

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 220.514+/-205.566 χ^2/NDF:11.2/13

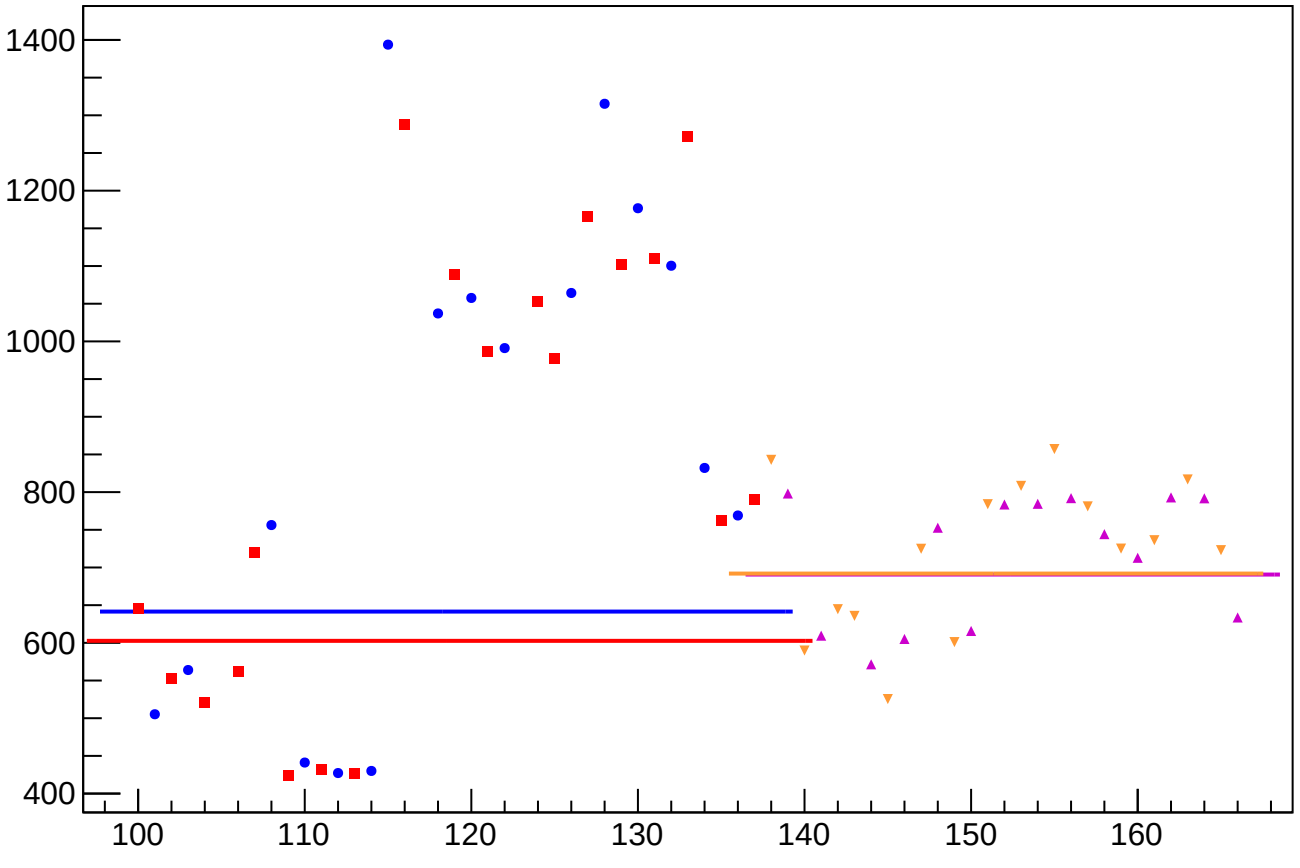
Left: -458.298+/-144.862 χ^2/NDF: 52.4/28

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 122.613+/-160.530 χ^2/NDF:33.7/29

Out: -411.982+/-155.099 χ^2/NDF:61.9/33

All: -153.881+/-111.542 χ^2/NDF: 101.3/63



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 691.914+/-0.144 χ^2/NDF:510976.6/14

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 690.617+/-0.145 χ^2/NDF:354167.6/13

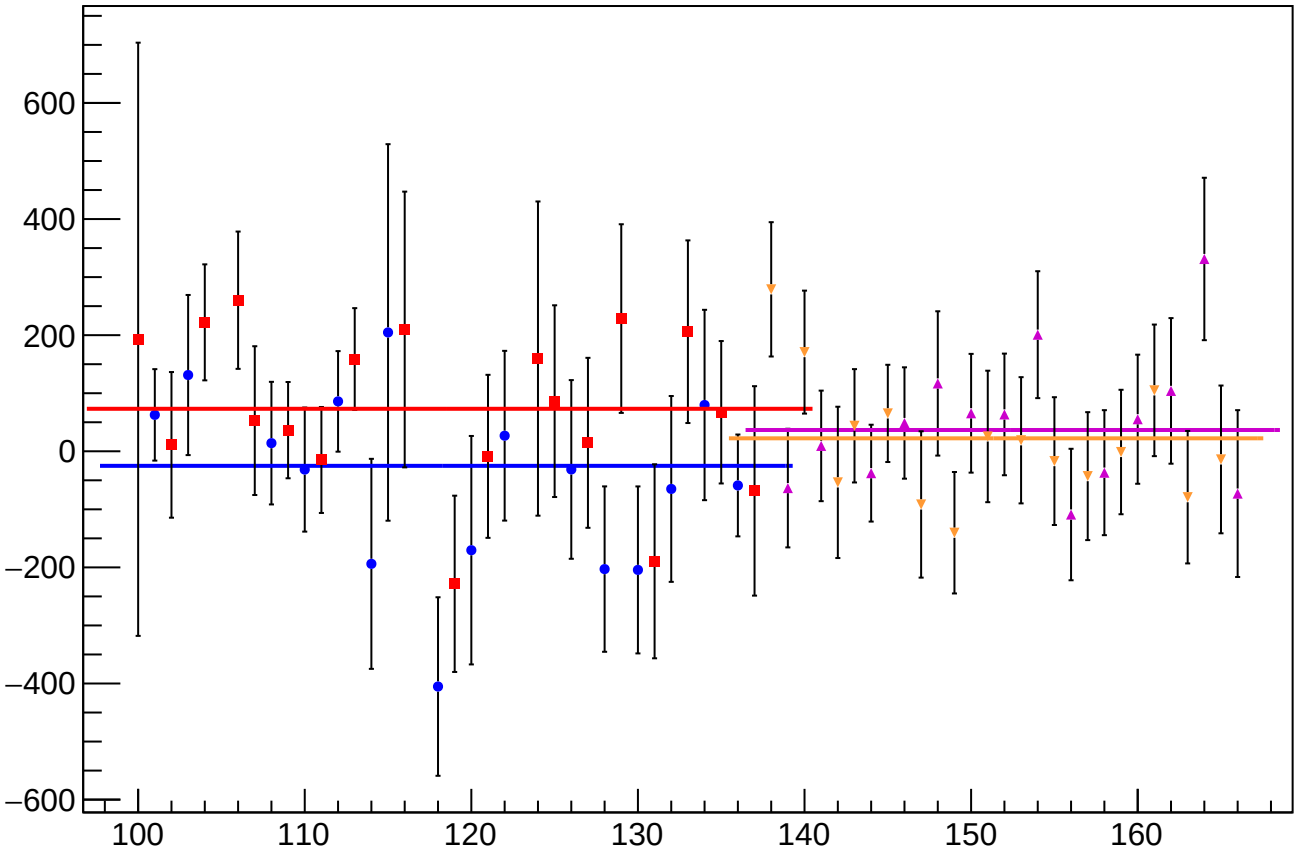
Left: 691.270+/-0.102 χ^2/NDF: 865184.2/28

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 671.453+/-0.114 χ^2/NDF:2273710.6/29

Out: 654.163+/-0.110 χ^2/NDF:2742953.0/33

All: 662.510+/-0.079 χ^2/NDF: 5028663.0/63



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 36.659+/-28.844 χ^2/NDF:12.1/13

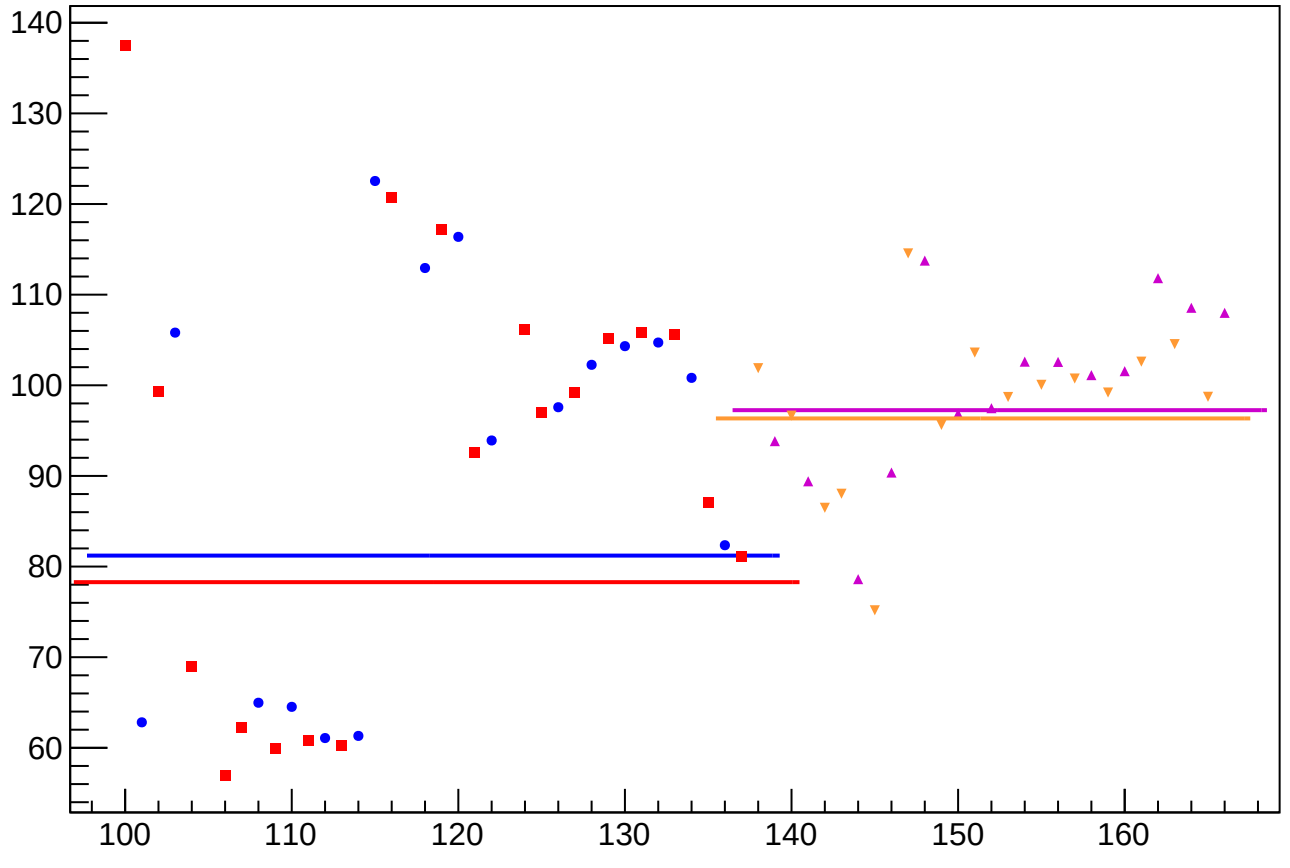
Left: 29.337+/-20.172 χ^2/NDF: 24.9/28

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 8.240+/-21.189 χ^2/NDF:30.4/29

Out: 46.261+/-20.535 χ^2/NDF:31.0/33

All: 27.847+/-14.746 χ^2/NDF: 63.1/63



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.5/13

Left: 96.790+/-0.014 χ^2/NDF: 461790.5/28

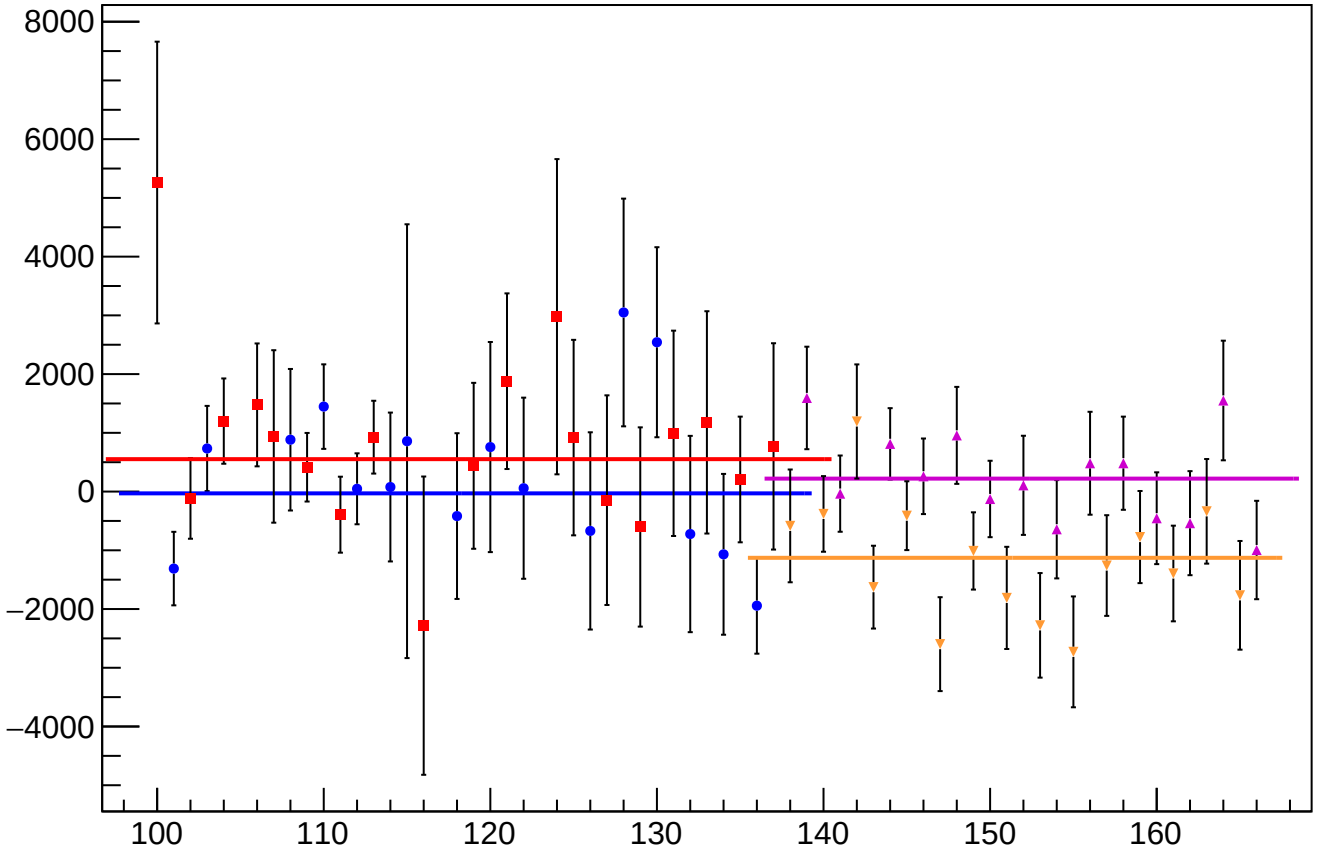
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.869+/-0.015 χ^2/NDF:1299962.7/29

Out: 87.844+/-0.015 χ^2/NDF:1555837.5/33

All: 88.825+/-0.010 χ^2/NDF: 2865219.7/63

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1127.932+/-204.173 χ^2/NDF:19.5/14

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 220.518+/-205.566 χ^2/NDF:11.2/13

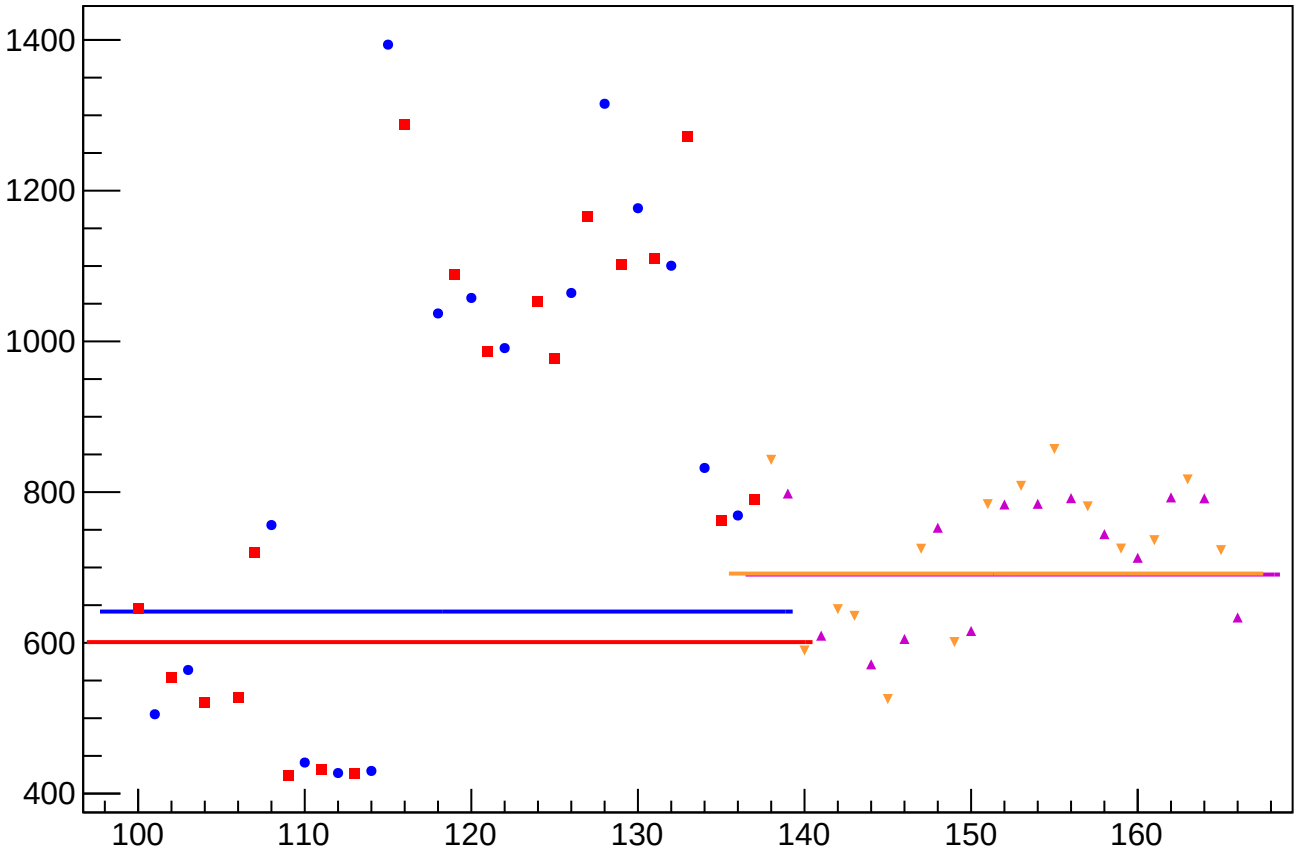
Left: -458.294+/-144.862 χ^2/NDF: 52.4/28

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 122.606+/-160.531 χ^2/NDF:33.7/29

Out: -417.962+/-155.140 χ^2/NDF:61.0/33

All: -156.907+/-111.558 χ^2/NDF: 100.5/63



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.617+/-0.145 χ^2/NDF:354166.2/13

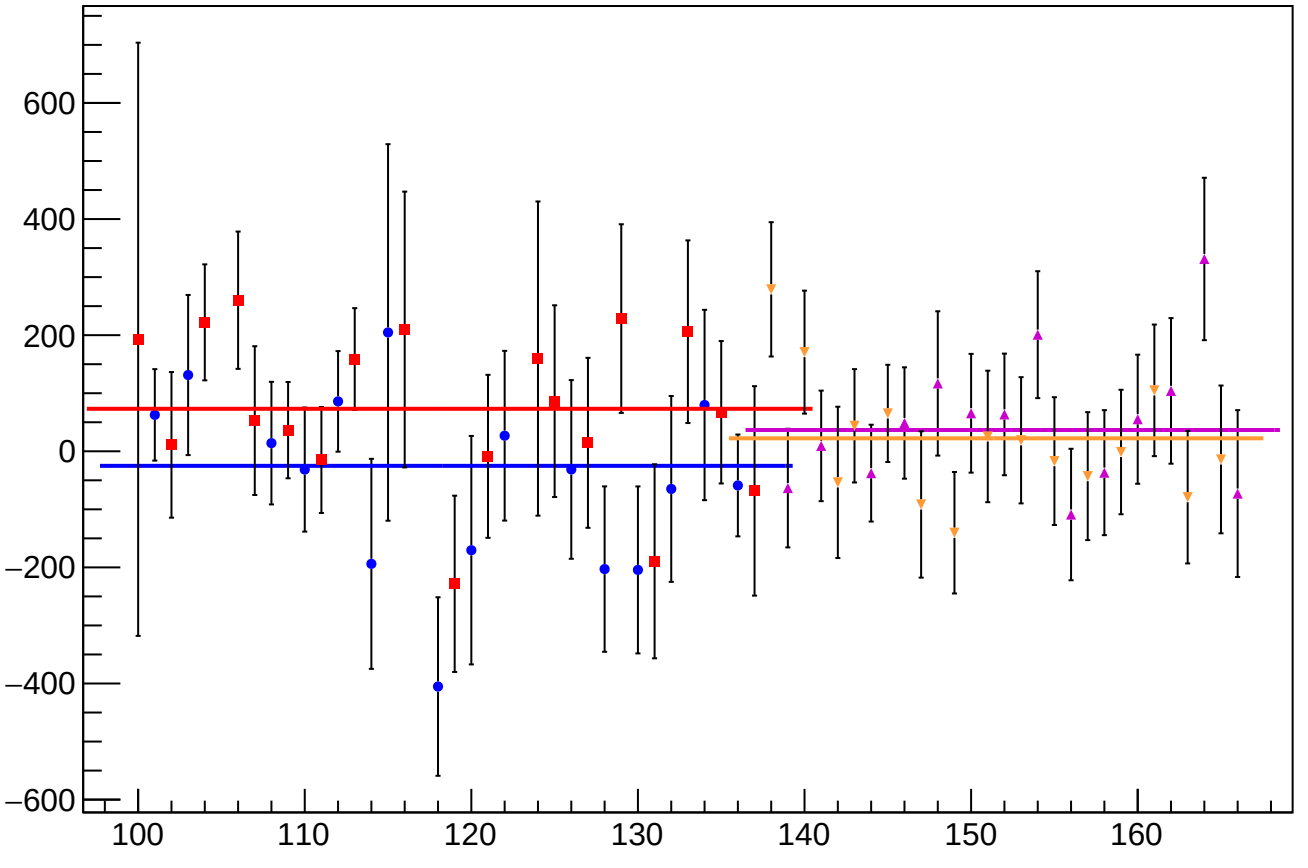
Left: 691.270+/-0.102 χ^2/NDF: 865183.9/28

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 671.457+/-0.114 χ^2/NDF:2273651.8/29

Out: 653.481+/-0.110 χ^2/NDF:2755894.9/33

All: 662.162+/-0.079 χ^2/NDF: 5042513.9/63



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 36.659+/-28.844 χ^2/NDF:12.1/13

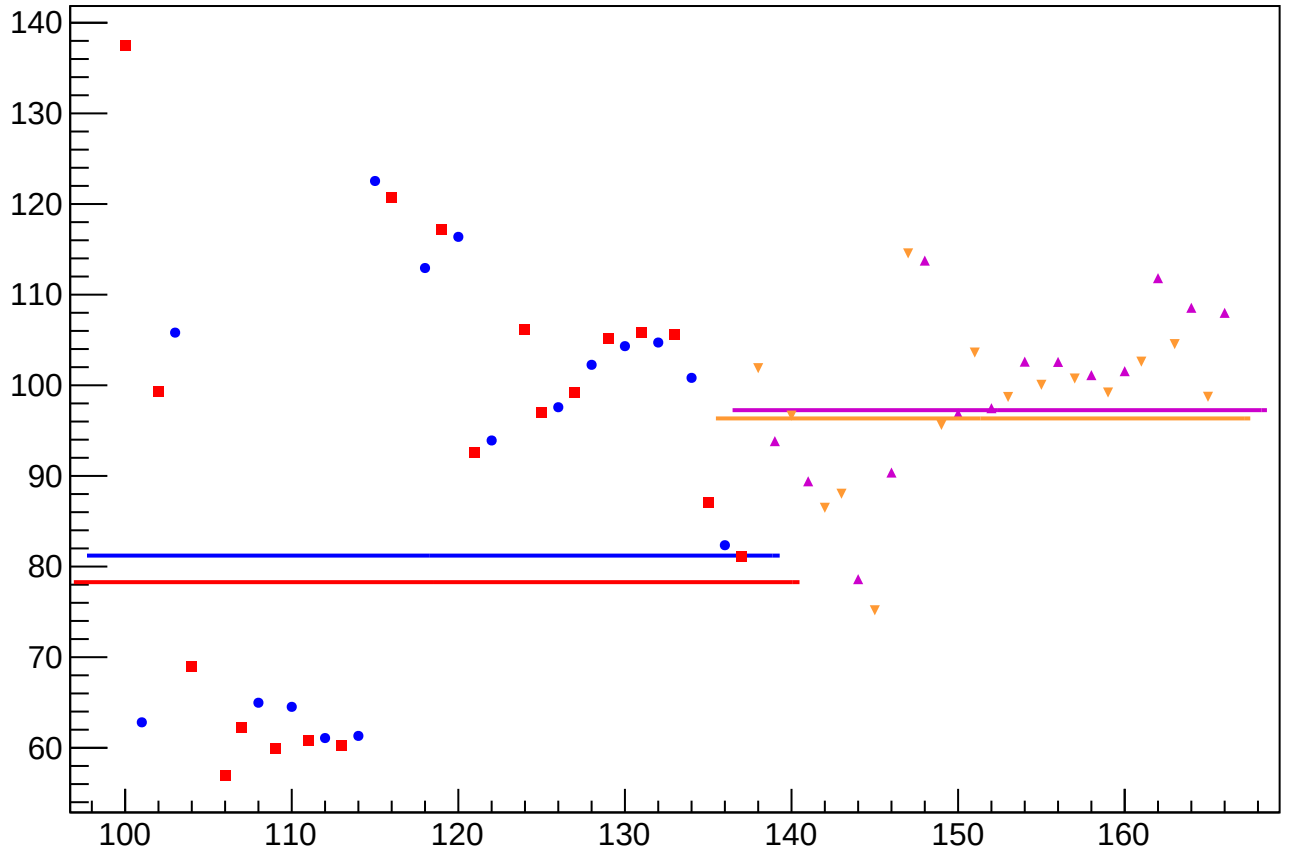
Left: 29.337+/-20.172 χ^2/NDF: 24.9/28

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 8.240+/-21.189 χ^2/NDF:30.4/29

Out: 46.261+/-20.535 χ^2/NDF:31.0/33

All: 27.847+/-14.746 χ^2/NDF: 63.1/63



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.256+/-0.020 χ^2/NDF:227338.5/13

Left: 96.790+/-0.014 χ^2/NDF: 461790.5/28

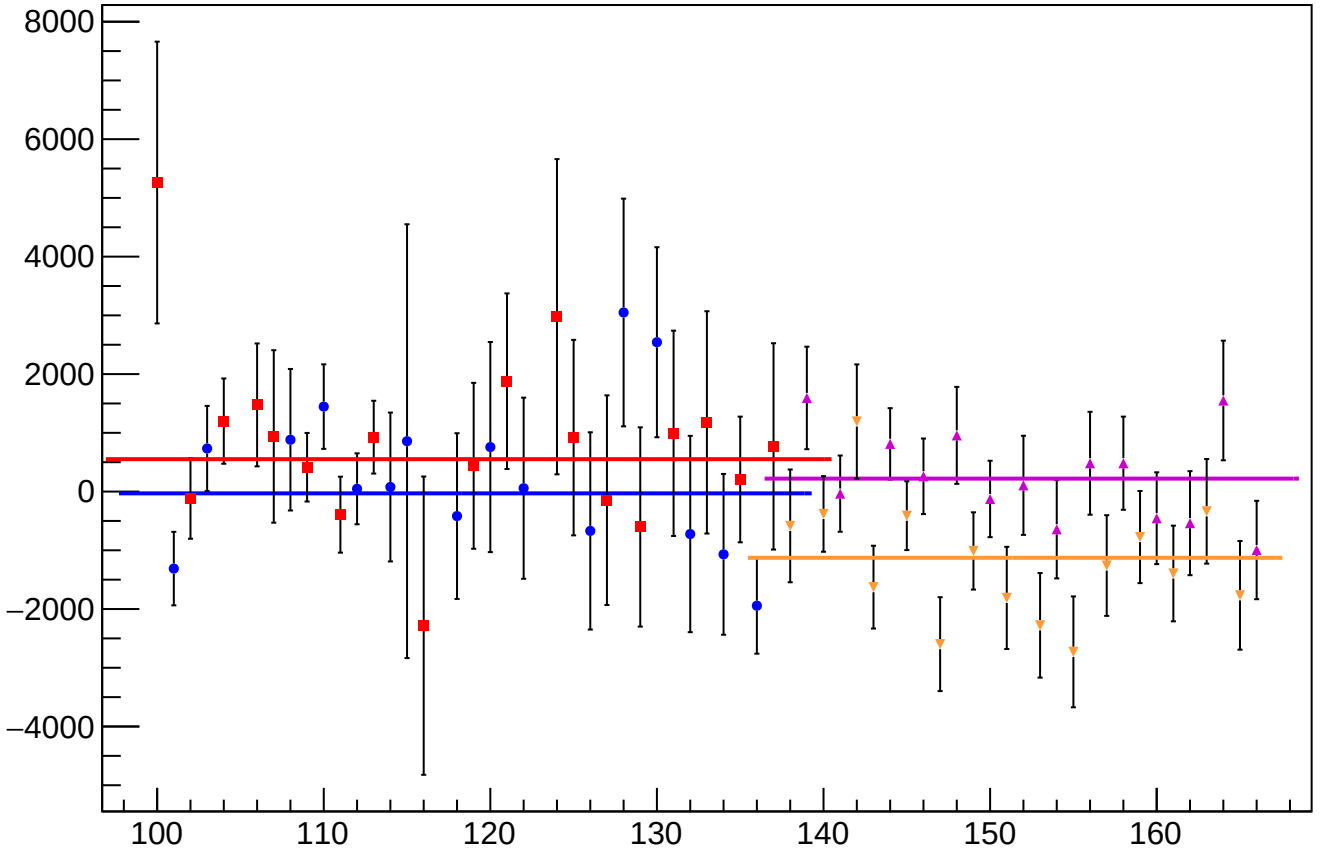
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.869+/-0.015 χ^2/NDF:1299962.7/29

Out: 87.844+/-0.015 χ^2/NDF:1555837.5/33

All: 88.825+/-0.010 χ^2/NDF: 2865219.7/63

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1127.932+/-204.173 χ^2/NDF:19.5/14

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 220.518+/-205.566 χ^2/NDF:11.2/13

Left: -458.294+/-144.862 χ^2/NDF: 52.4/28

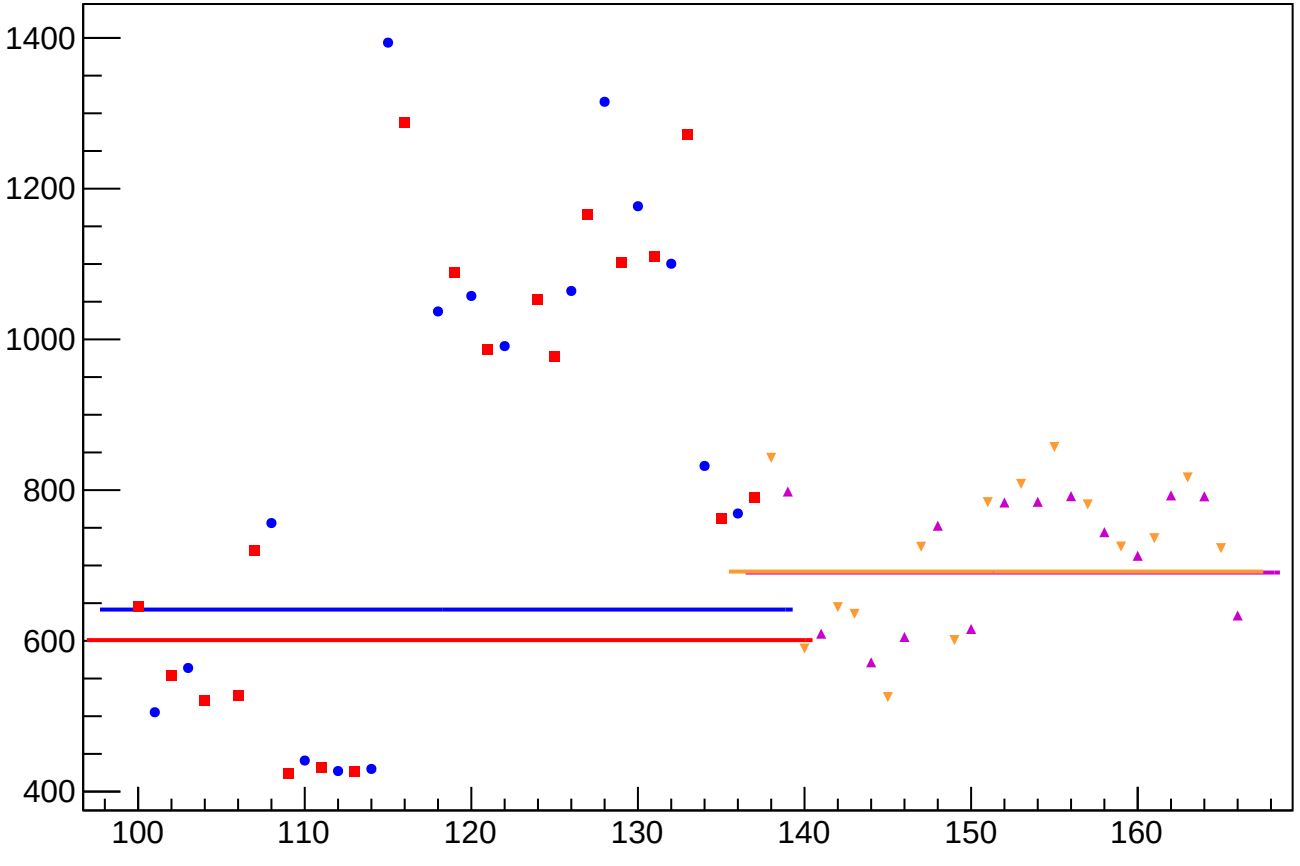
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 122.606+/-160.531 χ^2/NDF:33.7/29

Out: -417.962+/-155.140 χ^2/NDF:61.0/33

All: -156.907+/-111.558 χ^2/NDF: 100.5/63

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.617+/-0.145 χ^2/NDF:354166.2/13

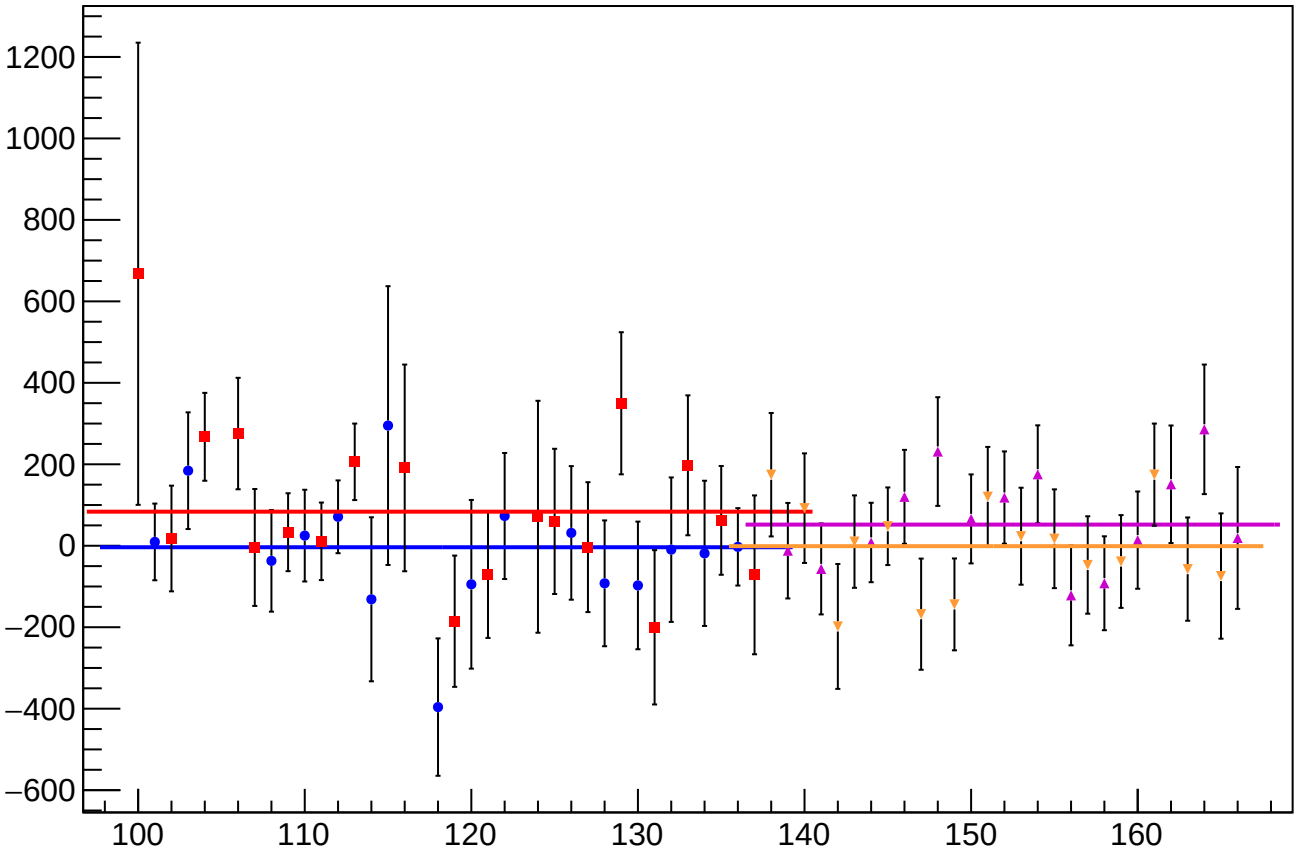
Left: 691.270+/-0.102 χ^2/NDF: 865183.9/28

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 671.457+/-0.114 χ^2/NDF:2273651.8/29

Out: 653.481+/-0.110 χ^2/NDF:2755894.9/33

All: 662.162+/-0.079 χ^2/NDF: 5042513.9/63



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.020+/-31.911 χ^2/NDF:10.5/14

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 51.936+/-32.396 χ^2/NDF:11.4/13

Left: 25.059+/-22.734 χ^2/NDF: 23.3/28

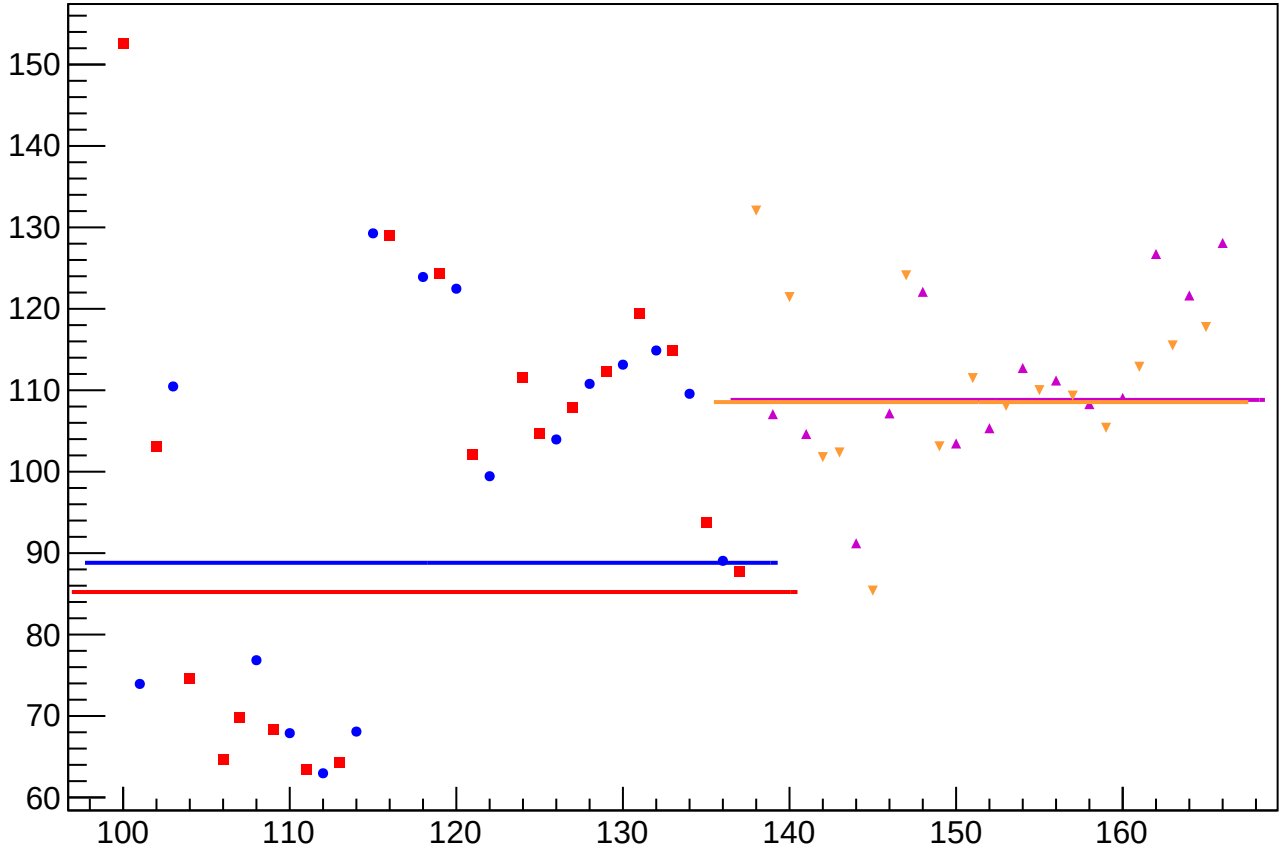
Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.616+/-23.504 χ^2/NDF:23.1/29

Out: 40.382+/-22.815 χ^2/NDF:33.0/33

All: 33.218+/-16.371 χ^2/NDF: 56.3/63

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.548+/-0.023 χ^2/NDF:243756.7/14

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.815+/-0.023 χ^2/NDF:166637.4/13

Left: 108.680+/-0.016 χ^2/NDF: 410462.6/28

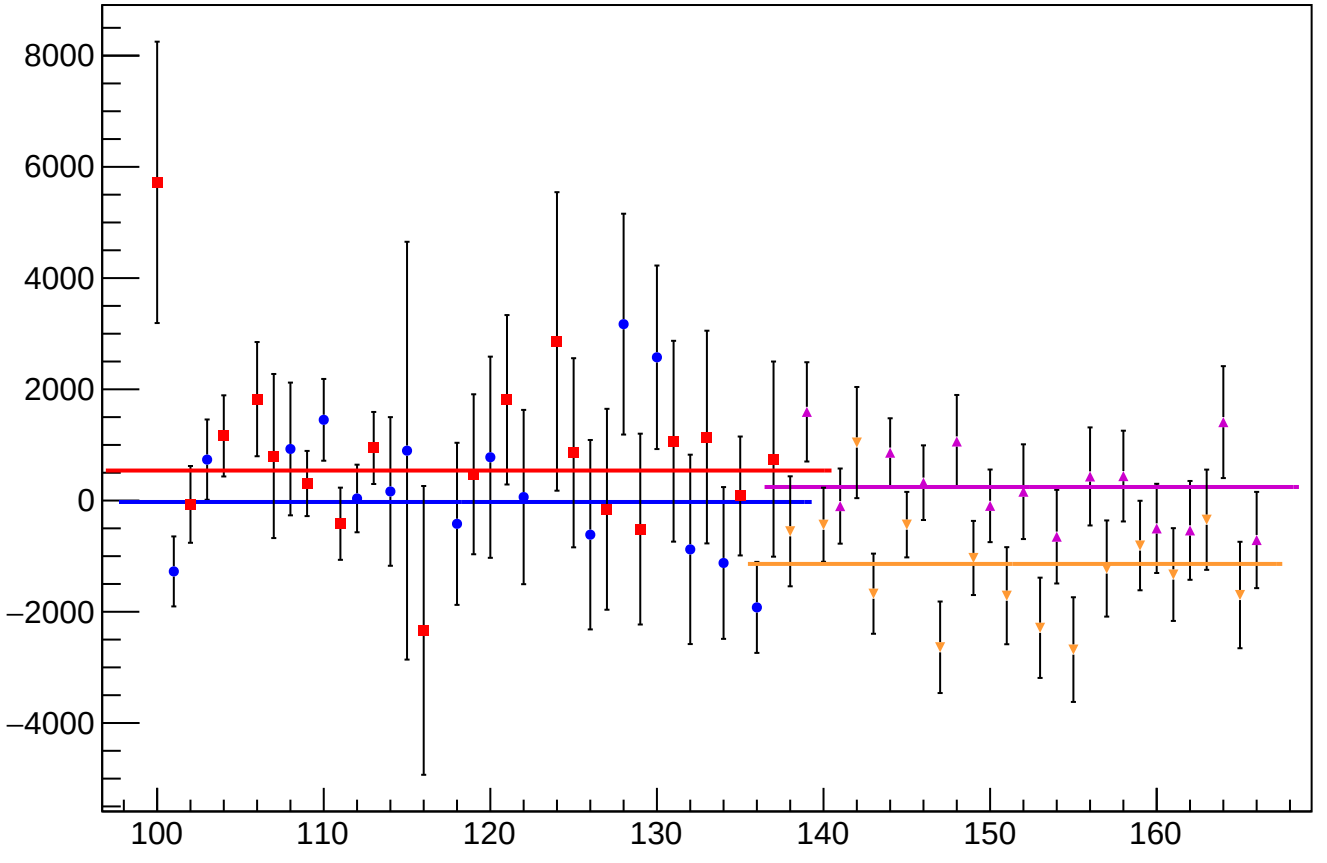
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.341+/-0.017 χ^2/NDF:1252318.8/29

Out: 97.147+/-0.016 χ^2/NDF:1650097.2/33

All: 98.212+/-0.012 χ^2/NDF: 2911390.0/63

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1139.602+/-207.919 χ^2/NDF:17.7/14

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 243.724+/-209.523 χ^2/NDF:10.2/13

Left: -453.254+/-147.585 χ^2/NDF: 49.8/28

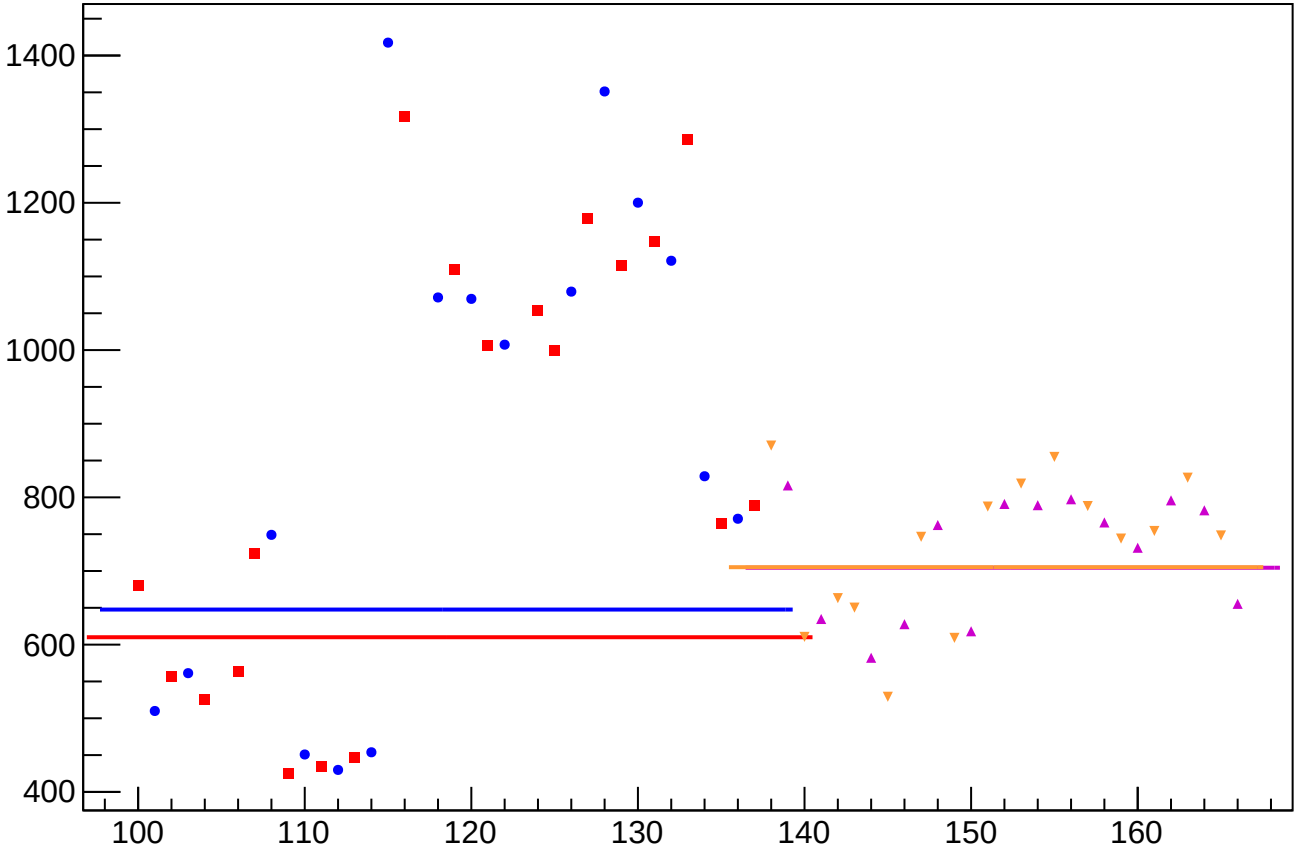
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 137.322+/-162.995 χ^2/NDF:32.4/29

Out: -423.871+/-157.494 χ^2/NDF:59.1/33

All: -152.903+/-113.260 χ^2/NDF: 97.6/63

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 705.175+/-0.147 χ^2/NDF:507128.3/14

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 704.424+/-0.148 χ^2/NDF:317987.8/13

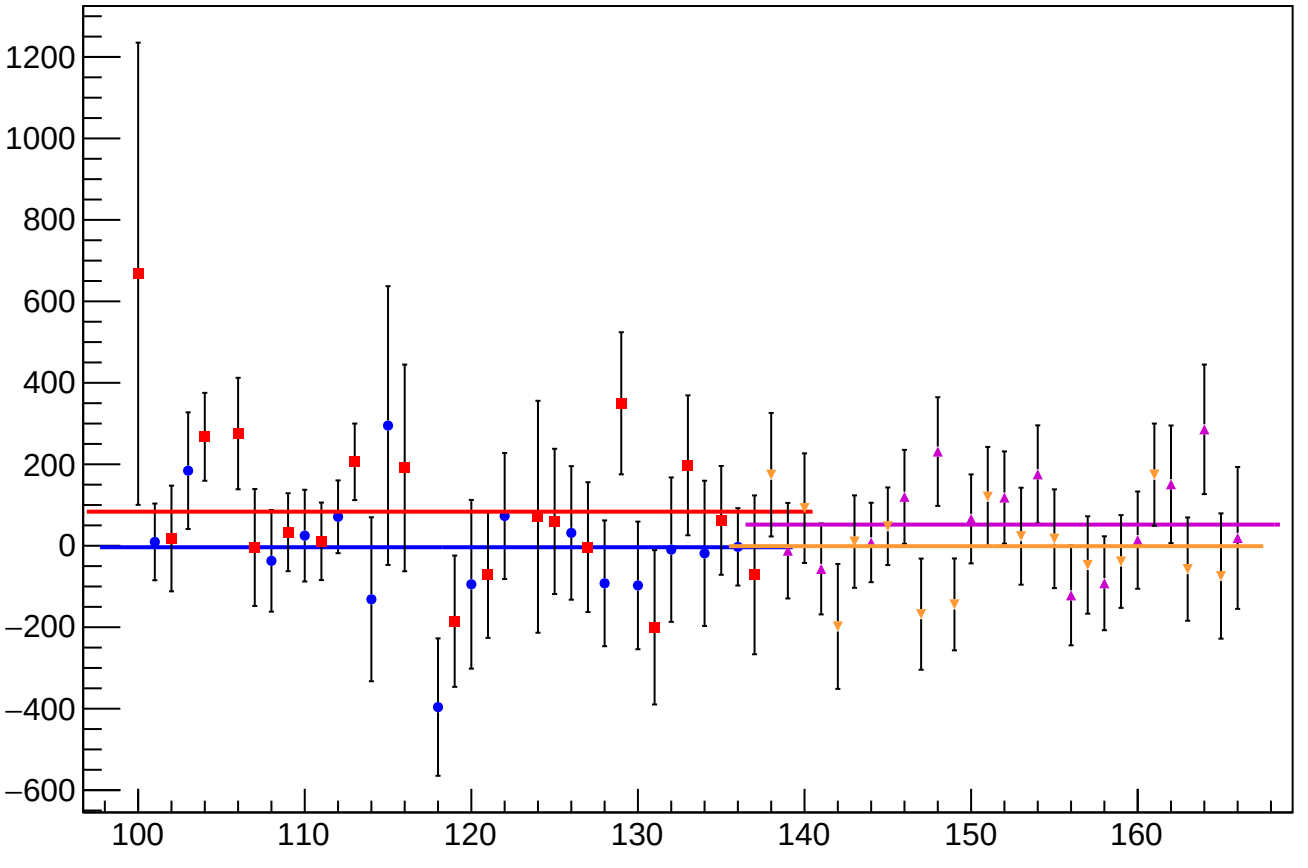
Left: 704.802+/-0.104 χ^2/NDF: 825129.1/28

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.004+/-0.115 χ^2/NDF:2263800.7/29

Out: 664.635+/-0.111 χ^2/NDF:2759767.9/33

All: 673.022+/-0.080 χ^2/NDF: 5035314.2/63



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.018+/-31.911 χ^2/NDF:10.5/14

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 51.937+/-32.396 χ^2/NDF:11.4/13

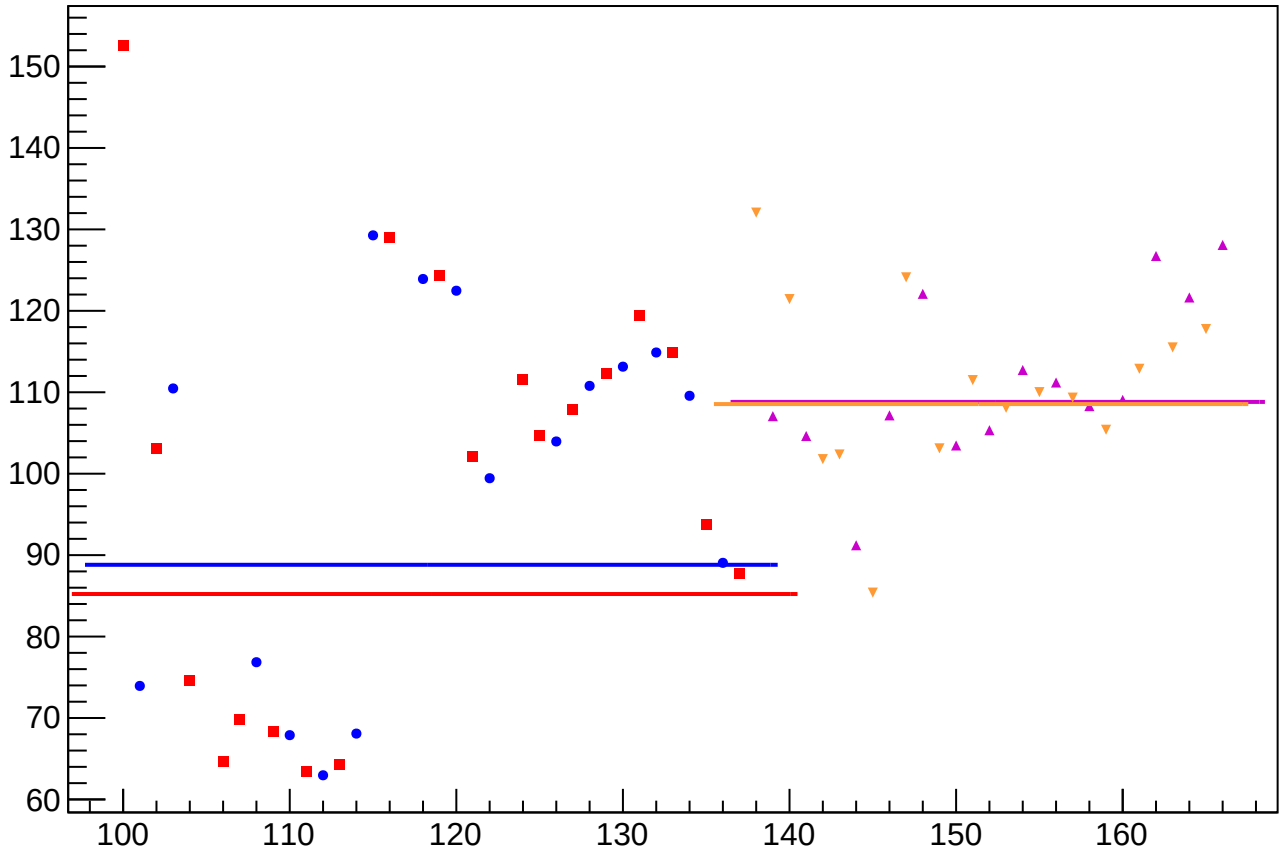
Left: 25.060+/-22.734 χ^2/NDF: 23.3/28

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.617+/-23.504 χ^2/NDF:23.1/29

Out: 40.383+/-22.815 χ^2/NDF:33.0/33

All: 33.219+/-16.371 χ^2/NDF: 56.3/63



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.549+/-0.023 χ^2/NDF:243755.2/14

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.815+/-0.023 χ^2/NDF:166635.2/13

Left: 108.680+/-0.016 χ^2/NDF: 410459.0/28

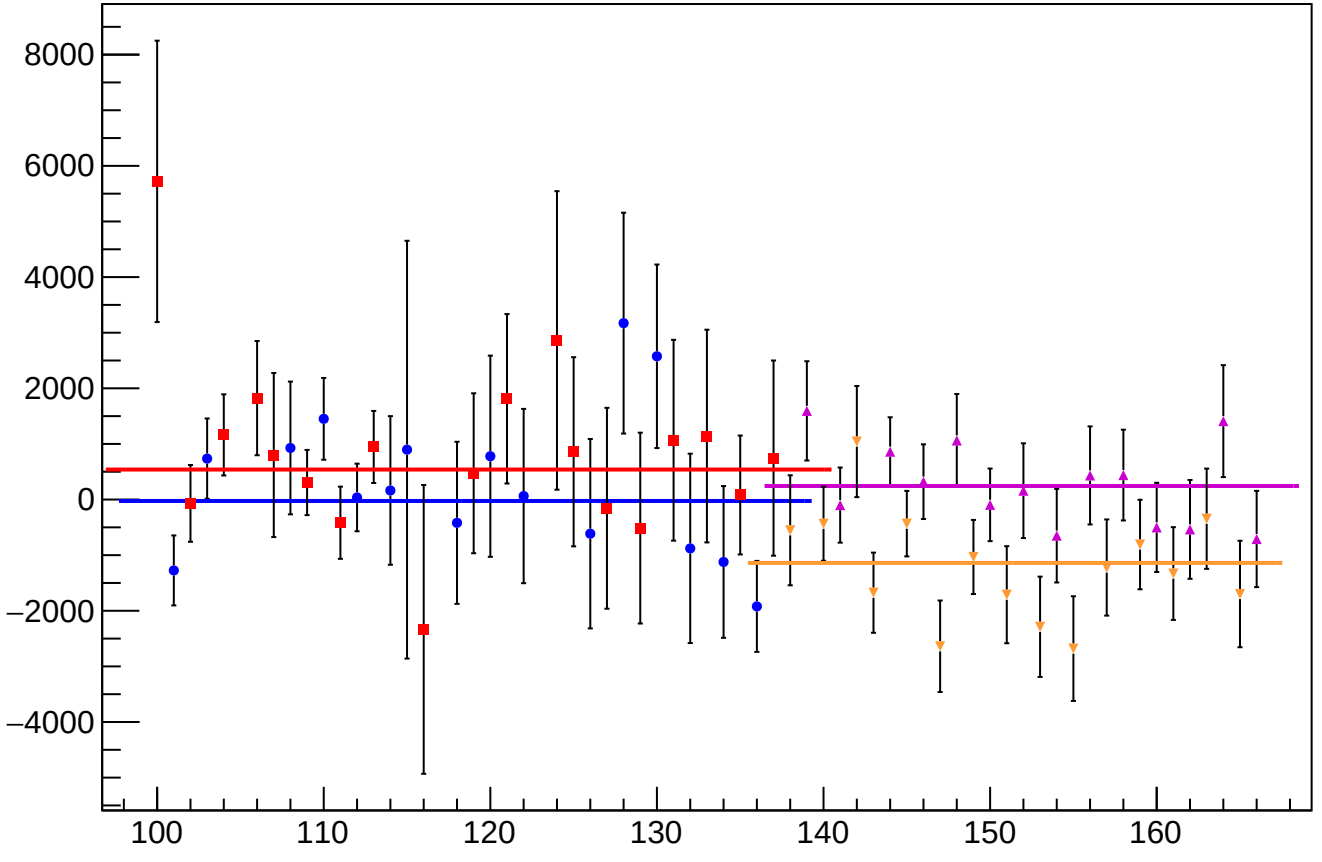
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.341+/-0.017 χ^2/NDF:1252324.0/29

Out: 97.147+/-0.016 χ^2/NDF:1650107.7/33

All: 98.212+/-0.012 χ^2/NDF: 2911405.9/63

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1139.600+/-207.919 χ^2/NDF:17.7/14

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 243.724+/-209.523 χ^2/NDF:10.2/13

Left: -453.254+/-147.585 χ^2/NDF: 49.8/28

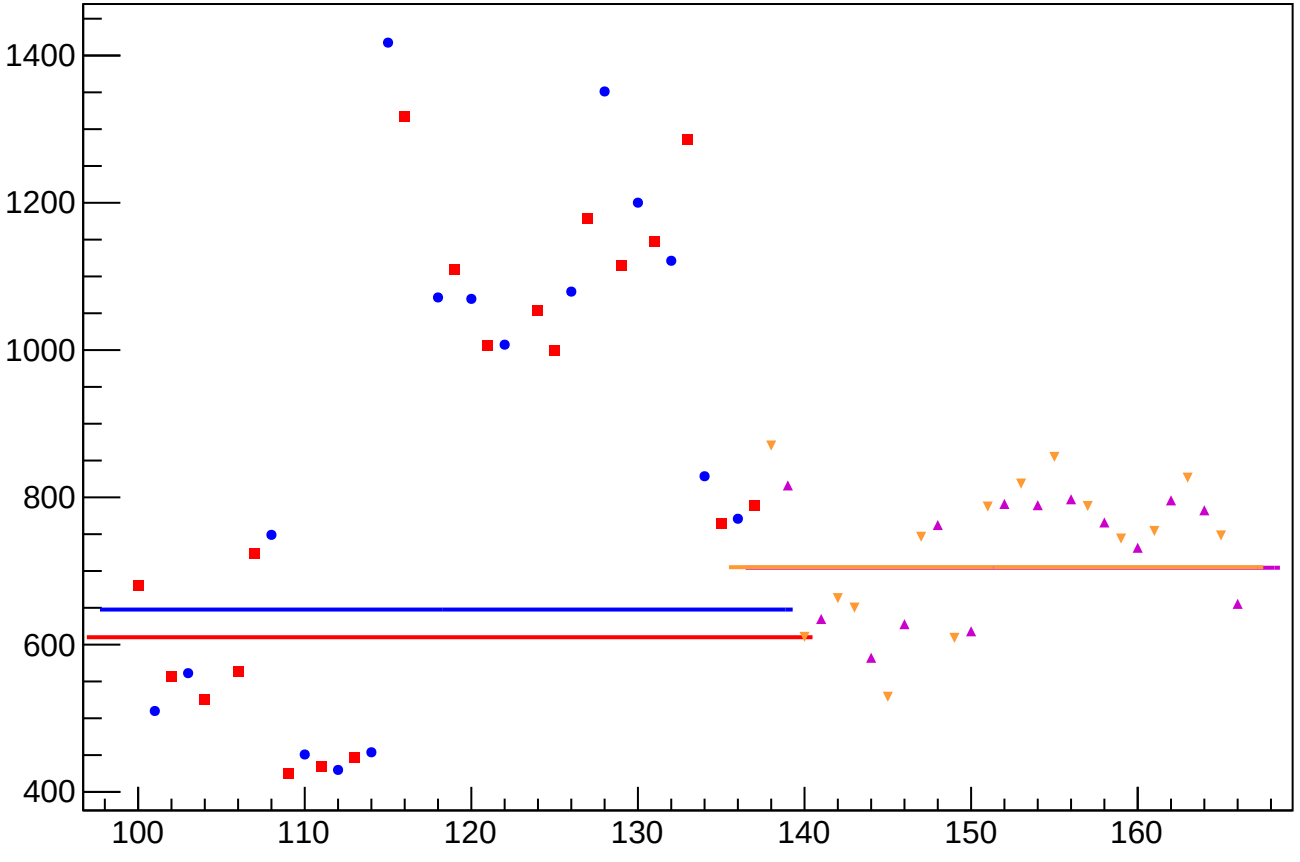
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 137.321+/-162.994 χ^2/NDF:32.4/29

Out: -423.870+/-157.494 χ^2/NDF:59.1/33

All: -152.902+/-113.260 χ^2/NDF: 97.6/63

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 705.175+/-0.147 χ^2/NDF:507129.1/14

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 704.423+/-0.148 χ^2/NDF:317985.6/13

Left: 704.802+/-0.104 χ^2/NDF: 825127.6/28

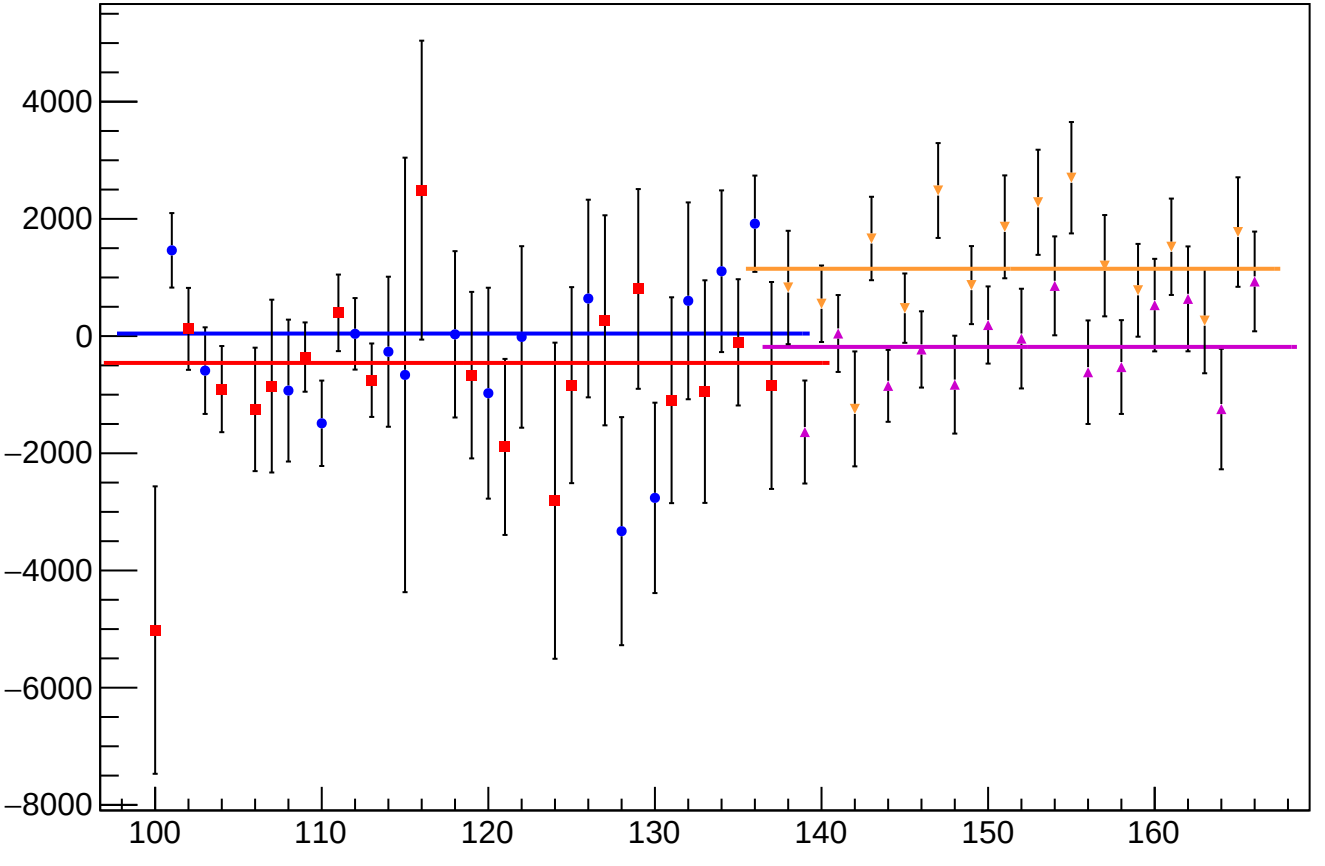
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.004+/-0.115 χ^2/NDF:2263804.1/29

Out: 664.634+/-0.111 χ^2/NDF:2759772.9/33

All: 673.021+/-0.080 χ^2/NDF: 5035322.7/63

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1148.645+/-206.234 χ^2/NDF:18.4/14

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -184.625+/-207.696 χ^2/NDF:11.4/13

Left: 486.721+/-146.344 χ^2/NDF: 50.5/28

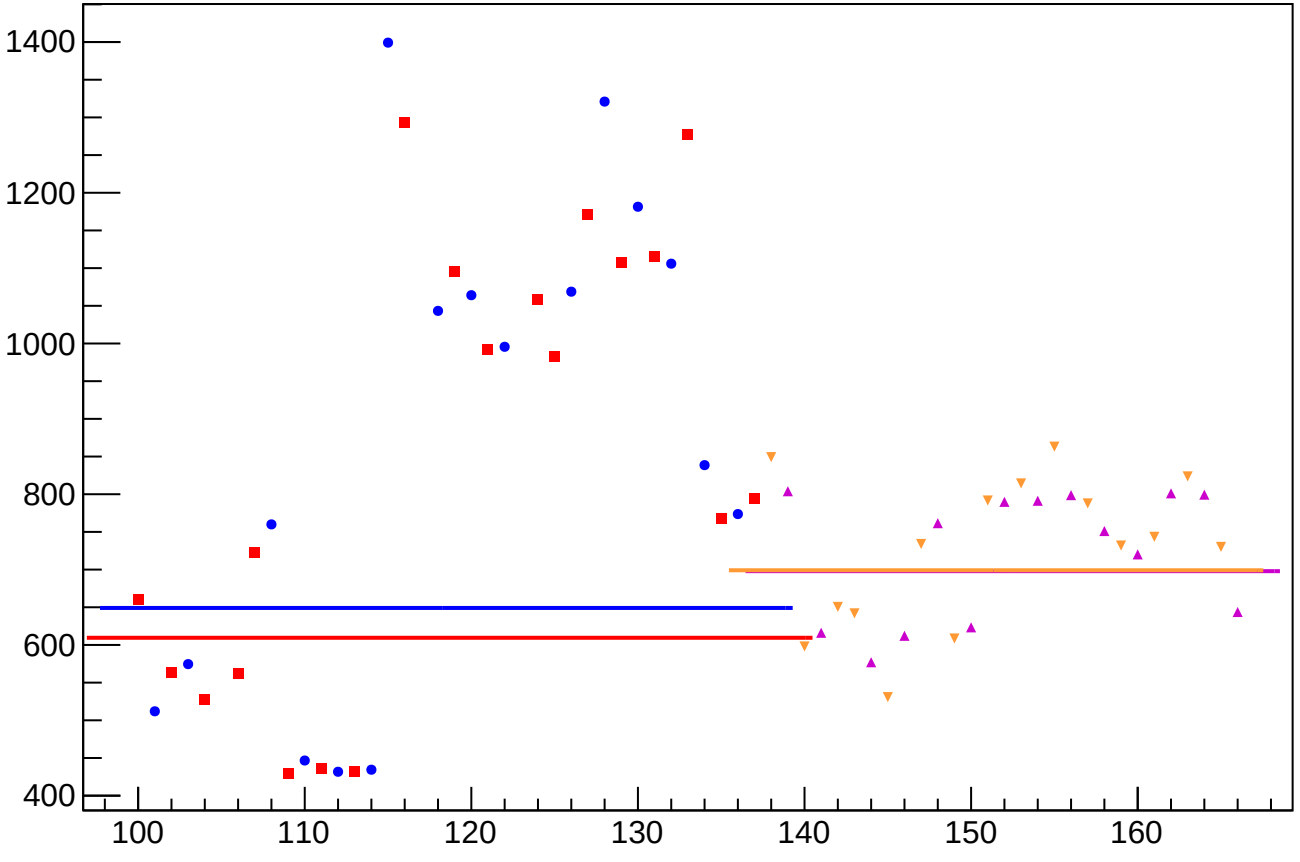
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -95.810+/-162.226 χ^2/NDF:35.1/29

Out: 469.803+/-156.725 χ^2/NDF:55.3/33

All: 196.750+/-112.716 χ^2/NDF: 96.6/63

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 699.085+/-0.146 χ^2/NDF:502287.2/14

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 697.910+/-0.147 χ^2/NDF:348358.7/13

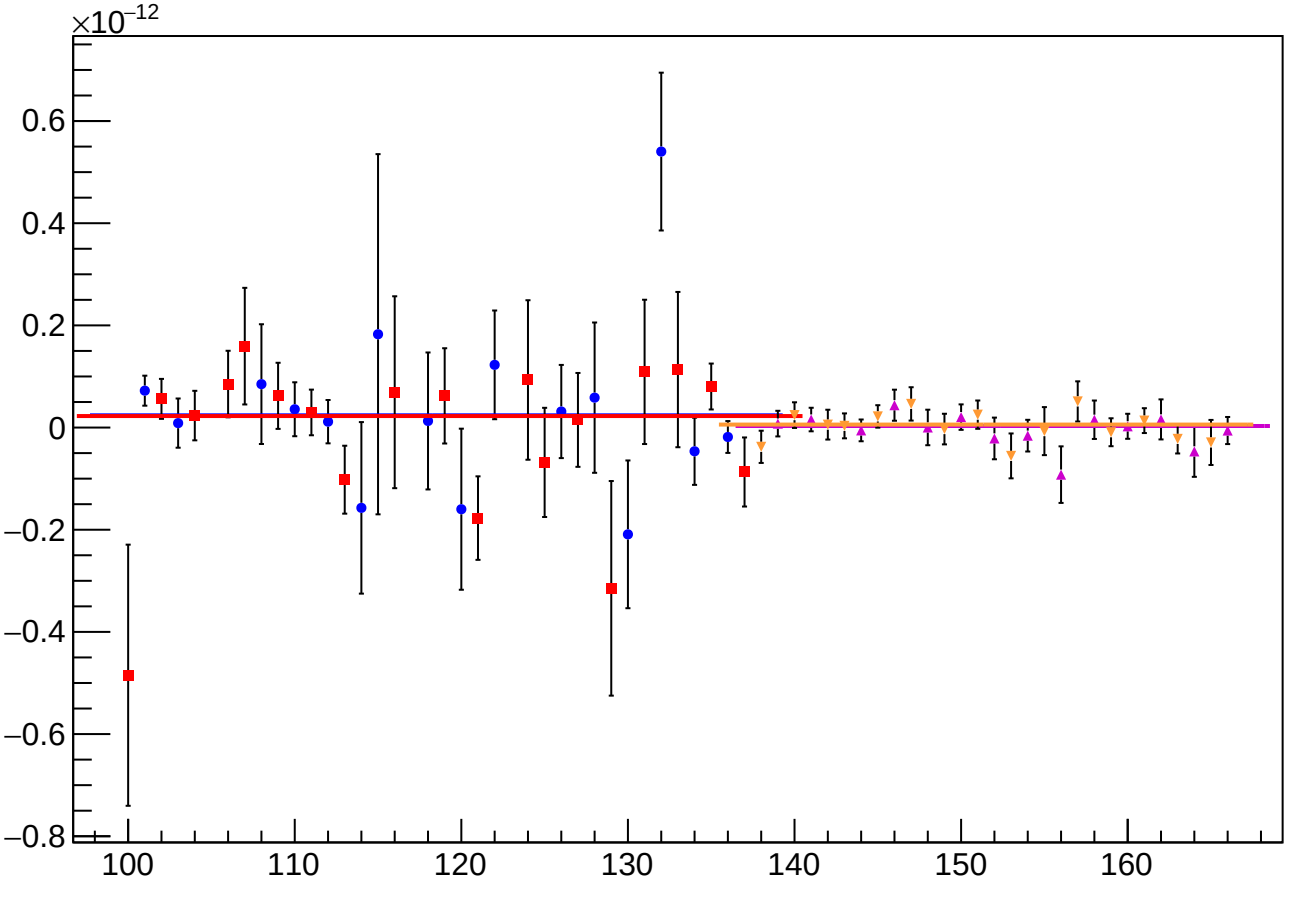
Left: 698.501+/-0.103 χ^2/NDF: 850678.1/28

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 678.874+/-0.115 χ^2/NDF:2237259.4/29

Out: 661.243+/-0.111 χ^2/NDF:2705259.9/33

All: 669.754+/-0.080 χ^2/NDF: 4954738.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/13

Left: 0.000+/-0.000 χ^2/NDF: 18.3/28

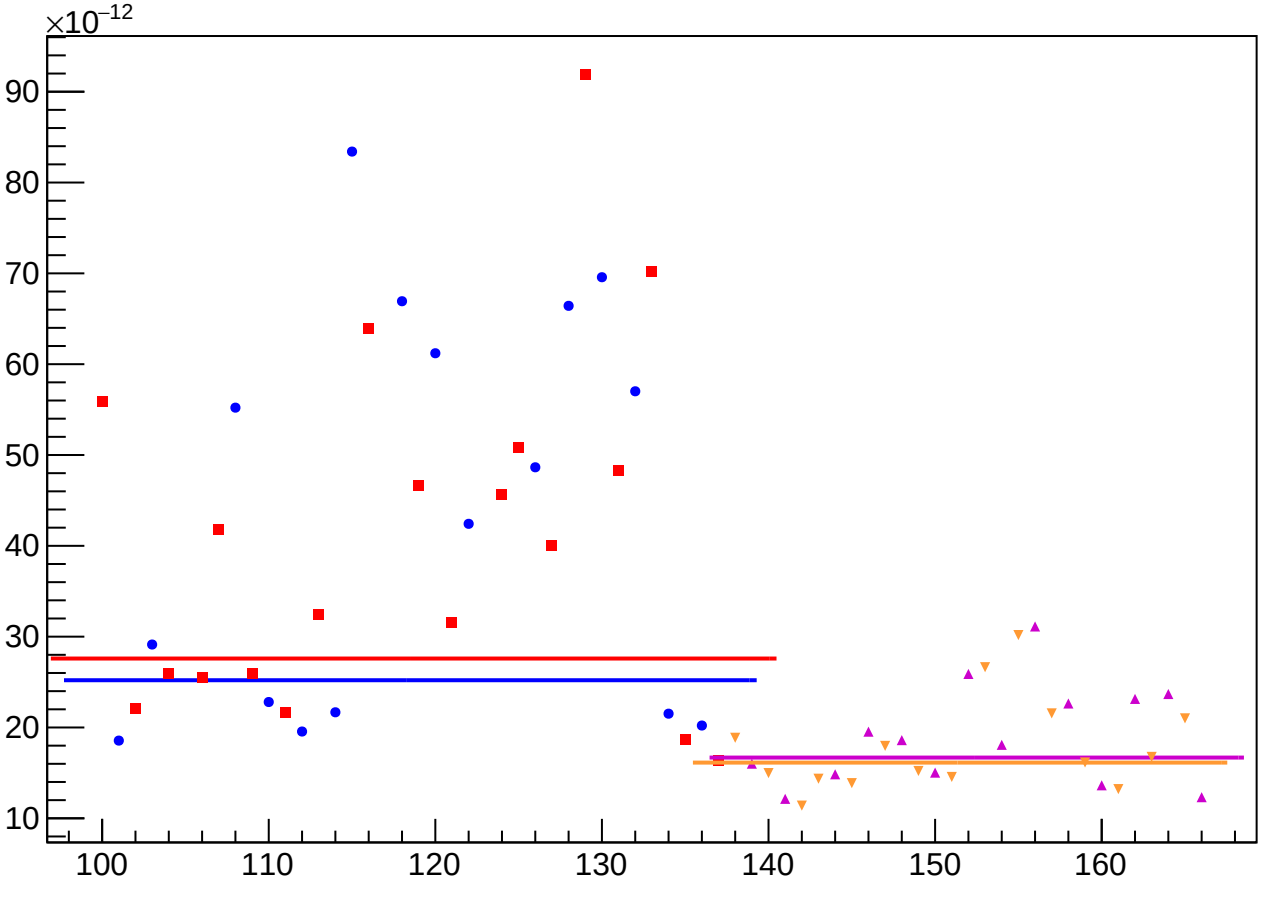
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:32.9/29

Out: 0.000+/-0.000 χ^2/NDF:37.0/33

All: 0.000+/-0.000 χ^2/NDF: 69.9/63

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:503397.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:597908.9/13

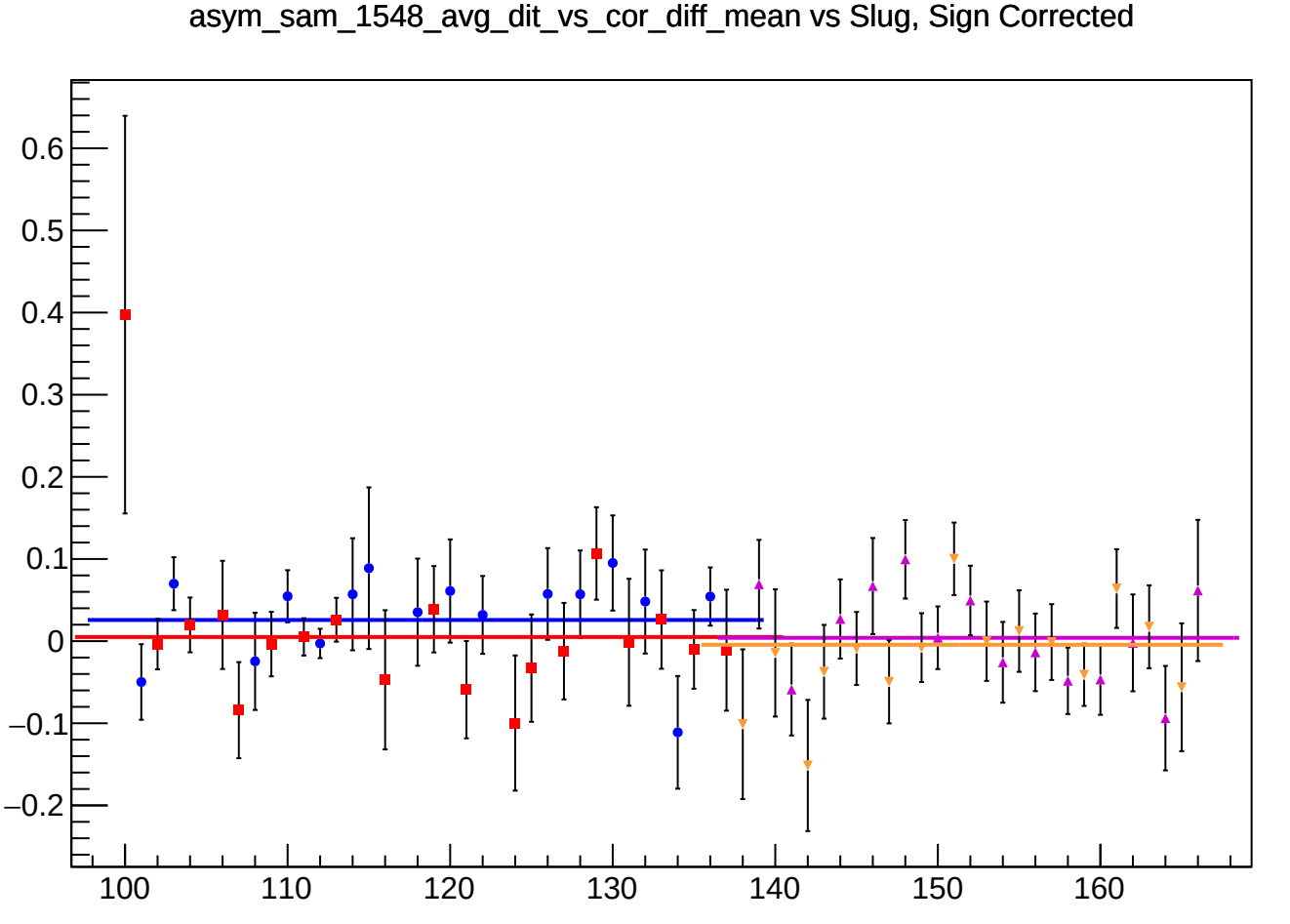
Left: 0.000+/-0.000 χ^2/NDF: 1106388.0/28

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2403829.0/29

Out: 0.000+/-0.000 χ^2/NDF:2299641.8/33

All: 0.000+/-0.000 χ^2/NDF: 4705605.7/63



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.013 χ^2/NDF:15.7/13

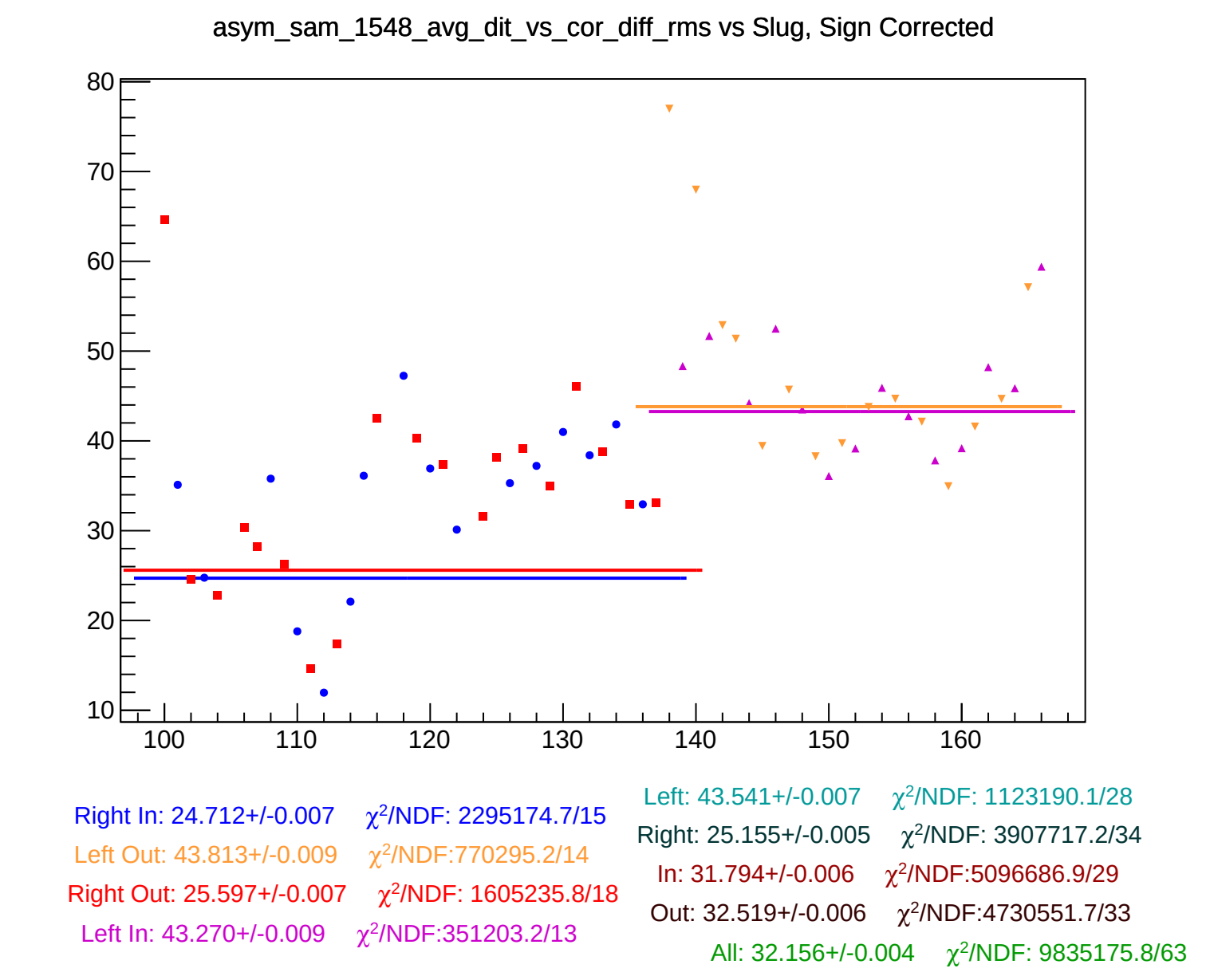
Left: -0.000+/-0.009 χ^2/NDF: 30.9/28

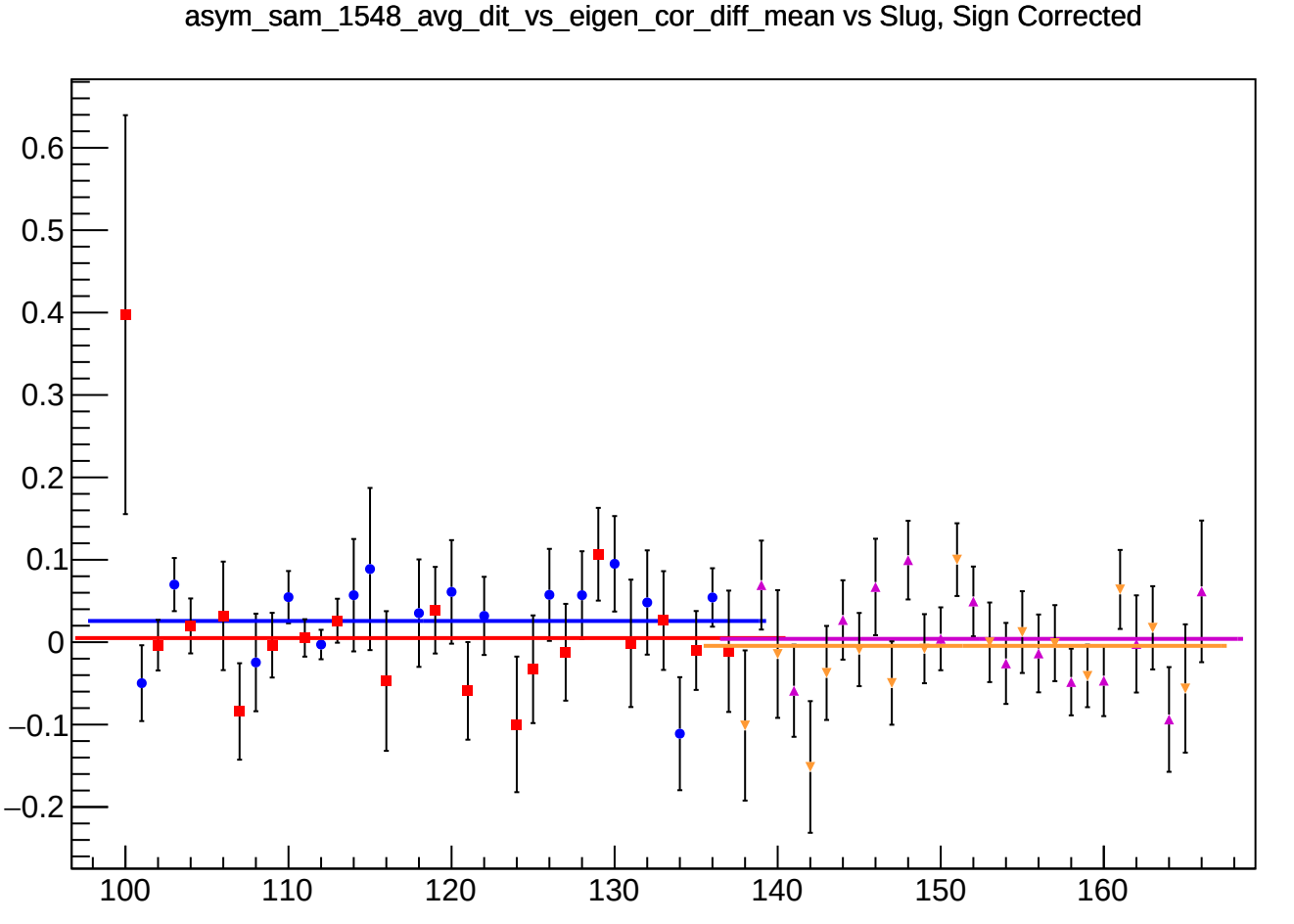
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

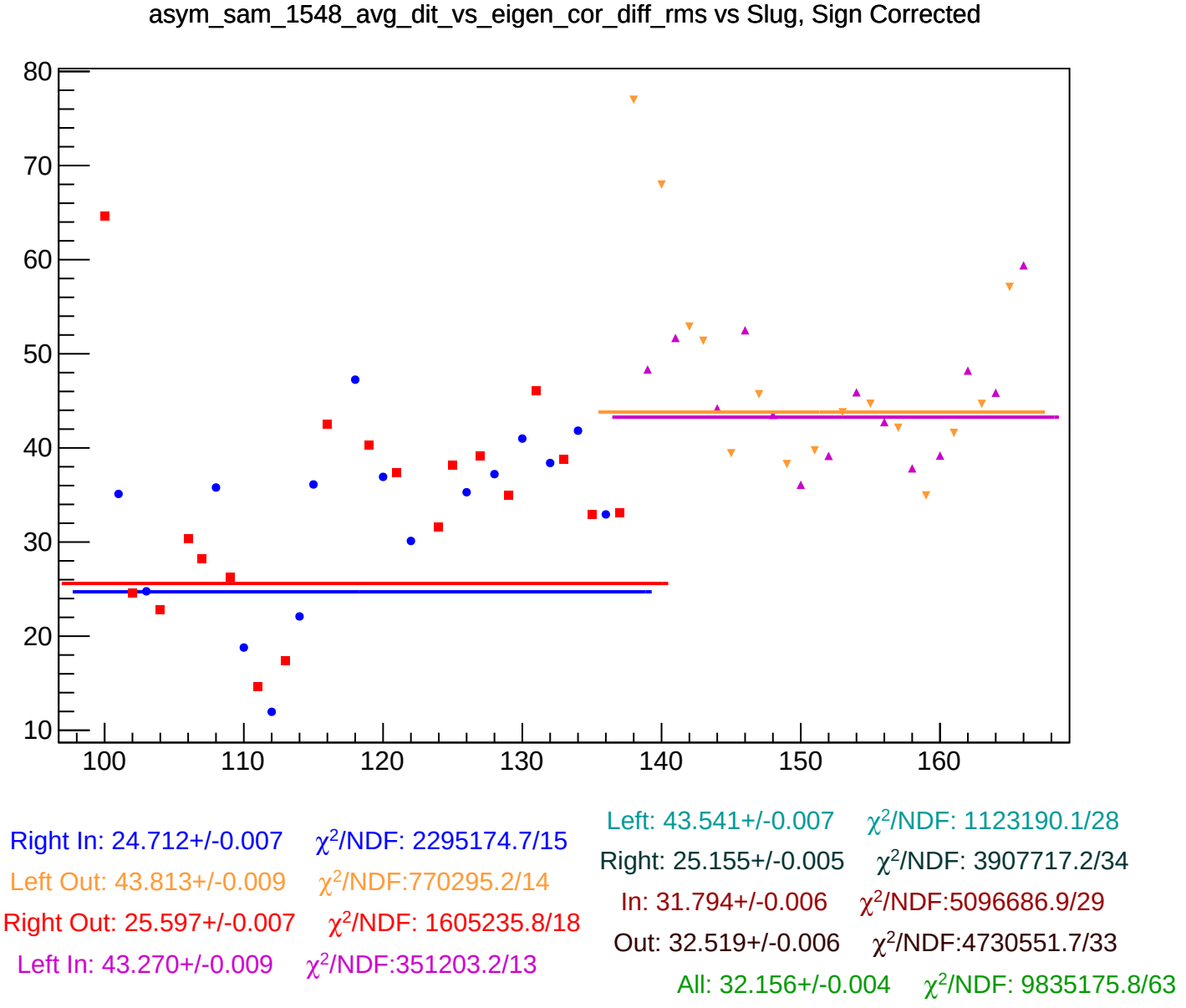
In: 0.017+/-0.008 χ^2/NDF:33.9/29

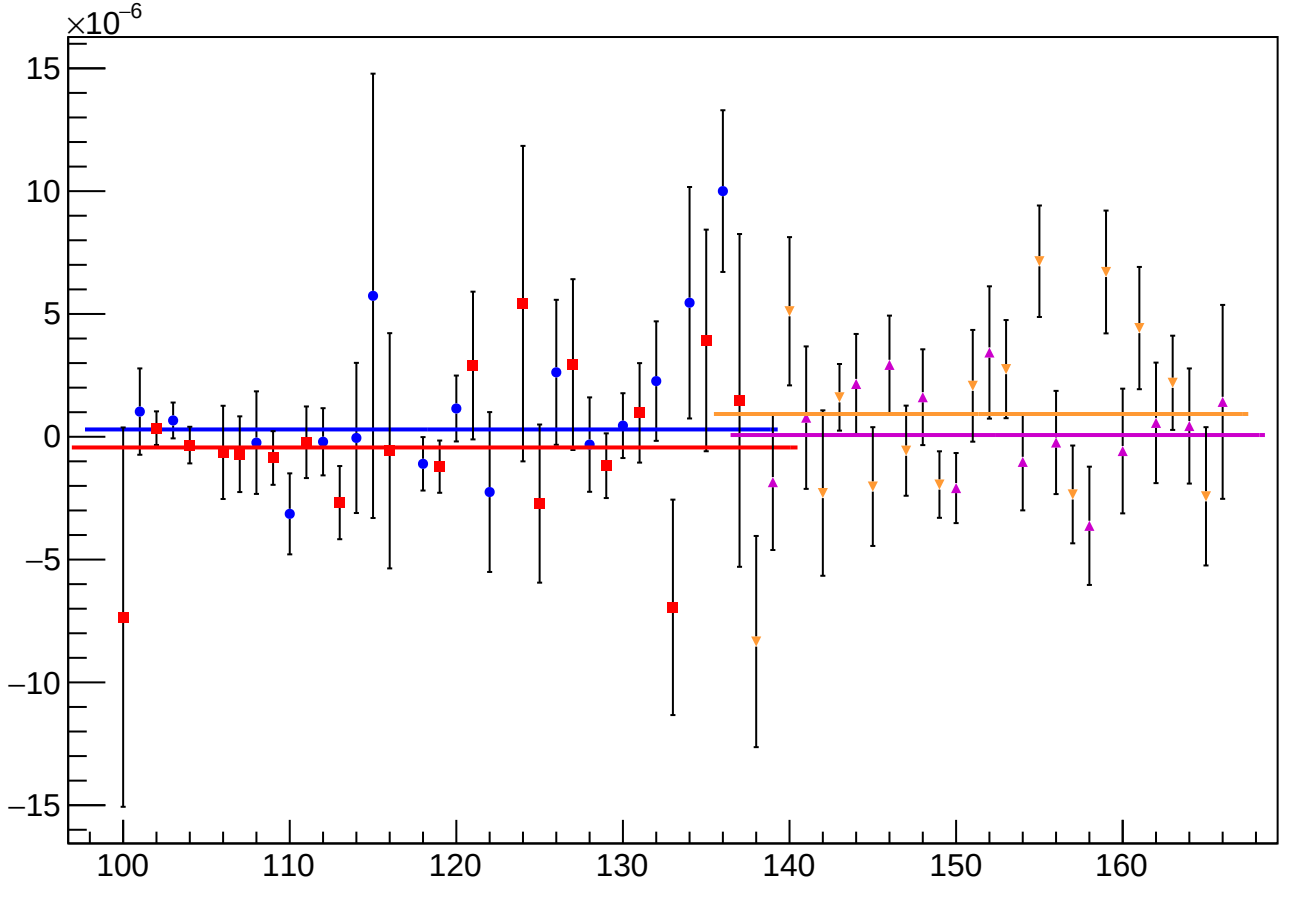
Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.7/63


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.813+/-0.009 χ²/NDF:770295.2/14
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.270+/-0.009 χ²/NDF:351203.2/13
Left: 43.541+/-0.007 χ²/NDF: 1123190.1/28
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.794+/-0.006 χ²/NDF:5096686.9/29
Out: 32.519+/-0.006 χ²/NDF:4730551.7/33
All: 32.156+/-0.004 χ²/NDF: 9835175.8/63


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.004+/-0.013 χ²/NDF:15.0/14
Right Out: 0.005+/-0.010 χ²/NDF: 13.6/18
Left In: 0.004+/-0.013 χ²/NDF:15.7/13
Left: -0.000+/-0.009 χ²/NDF: 30.9/28
Right: 0.015+/-0.007 χ²/NDF: 32.1/34
In: 0.017+/-0.008 χ²/NDF:33.9/29
Out: 0.001+/-0.008 χ²/NDF:28.9/33
All: 0.009+/-0.006 χ²/NDF: 64.7/63


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.813+/-0.009 χ²/NDF:770295.2/14
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.270+/-0.009 χ²/NDF:351203.2/13
Left: 43.541+/-0.007 χ²/NDF: 1123190.1/28
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.794+/-0.006 χ²/NDF:5096686.9/29
Out: 32.519+/-0.006 χ²/NDF:4730551.7/33
All: 32.156+/-0.004 χ²/NDF: 9835175.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/13

Left: 0.000+/-0.000 χ^2/NDF: 47.0/28

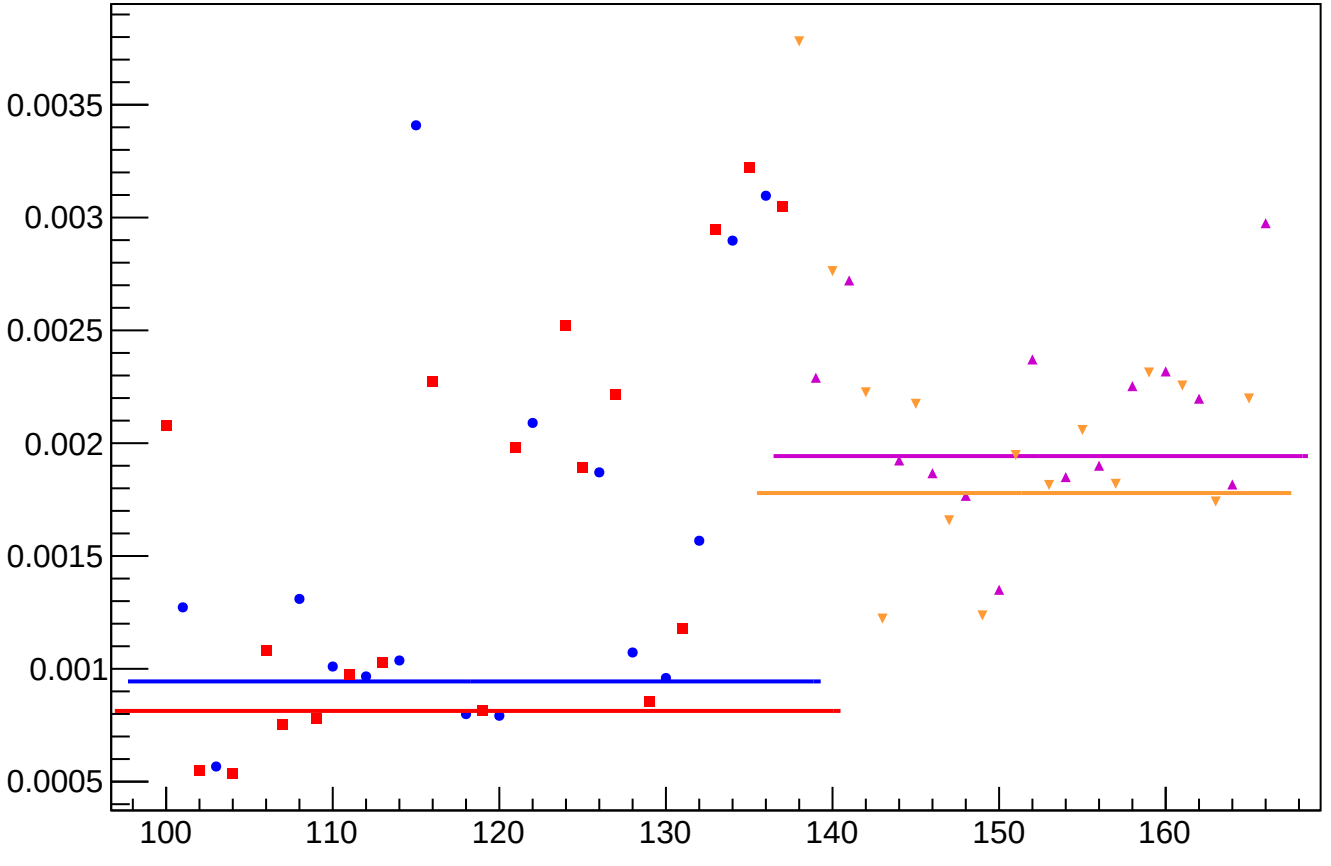
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.4/29

Out: -0.000+/-0.000 χ^2/NDF:52.1/33

All: 0.000+/-0.000 χ^2/NDF: 82.9/63

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:1653360.1/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:836721.0/13

Left: 0.002+/-0.000 χ^2/NDF: 2573556.5/28

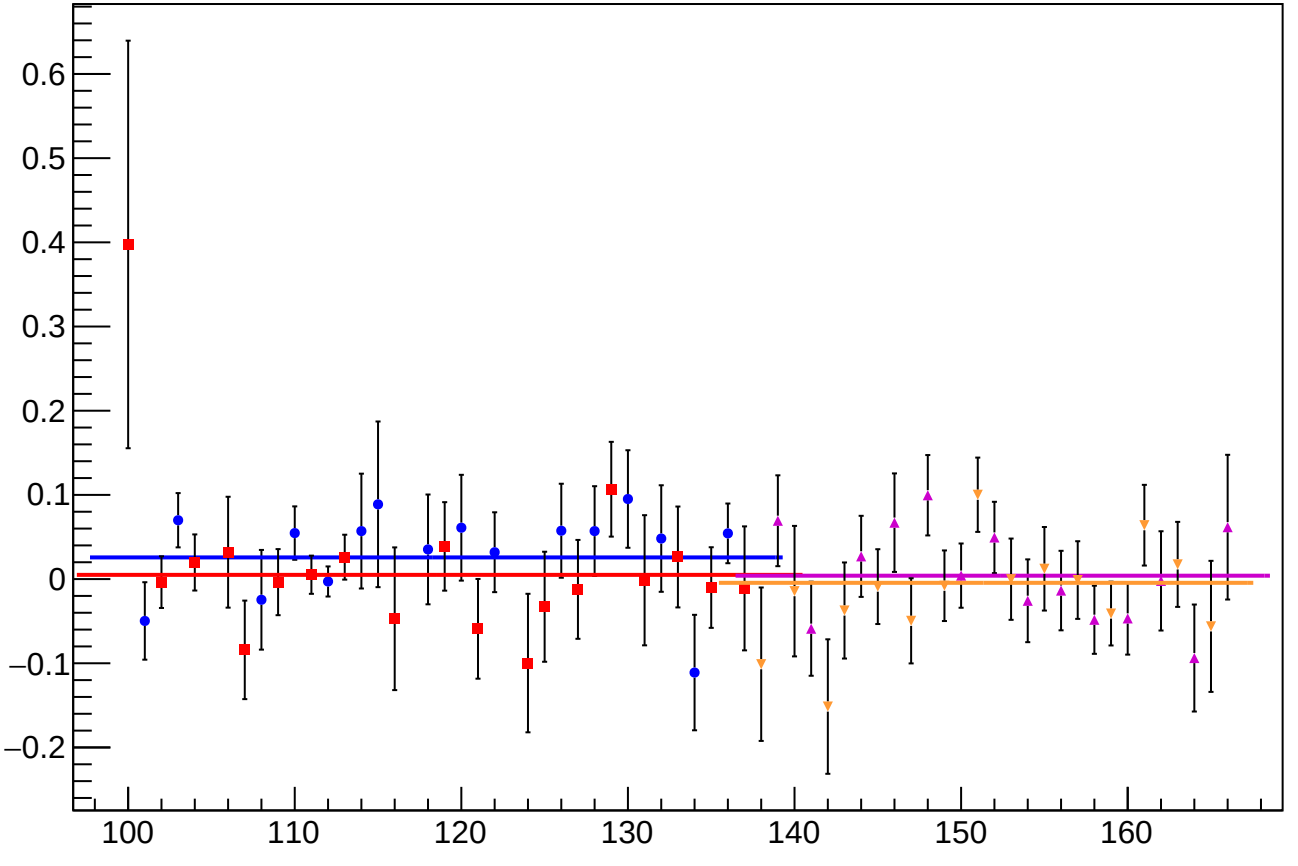
Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:7405155.6/29

Out: 0.001+/-0.000 χ^2/NDF:9459271.8/33

All: 0.001+/-0.000 χ^2/NDF: 17164283.1/63

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.013 χ^2/NDF:15.7/13

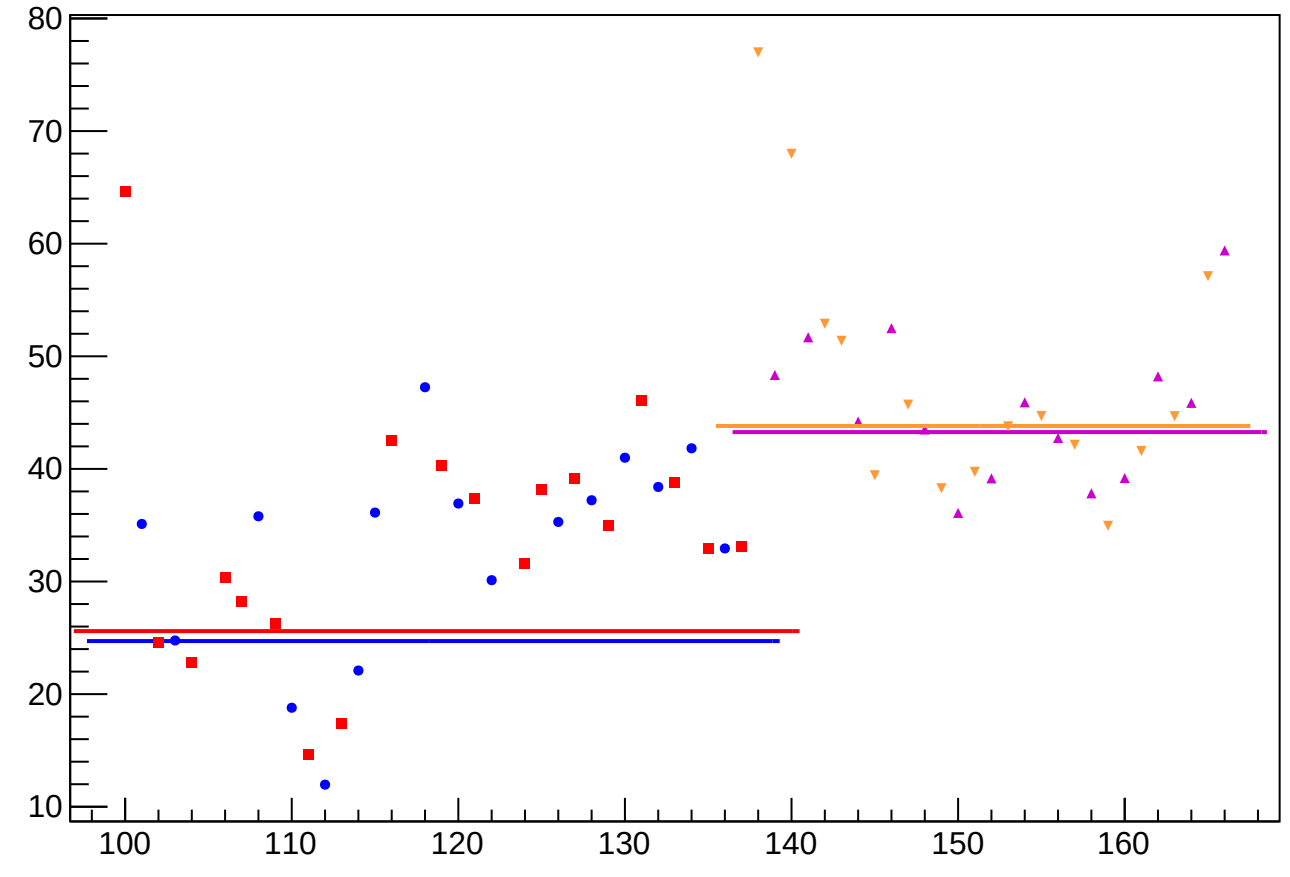
Left: -0.000+/-0.009 χ^2/NDF: 30.9/28

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.9/29

Out: 0.001+/-0.008 χ^2/NDF:28.9/33

All: 0.009+/-0.006 χ^2/NDF: 64.7/63



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.813+/-0.009 χ^2/NDF:770293.6/14

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.270+/-0.009 χ^2/NDF:351205.3/13

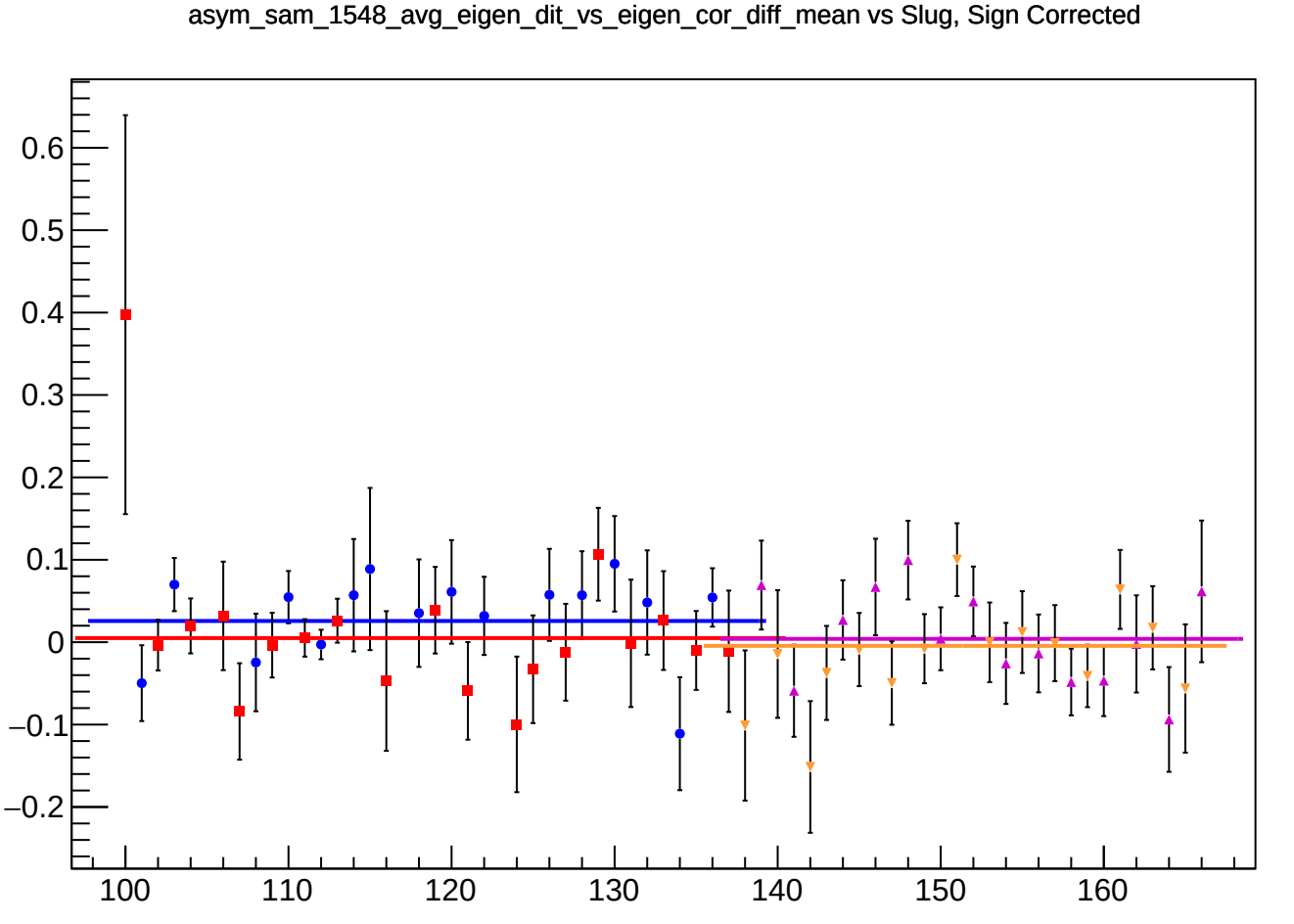
Left: 43.541+/-0.007 χ^2/NDF: 1123190.6/28

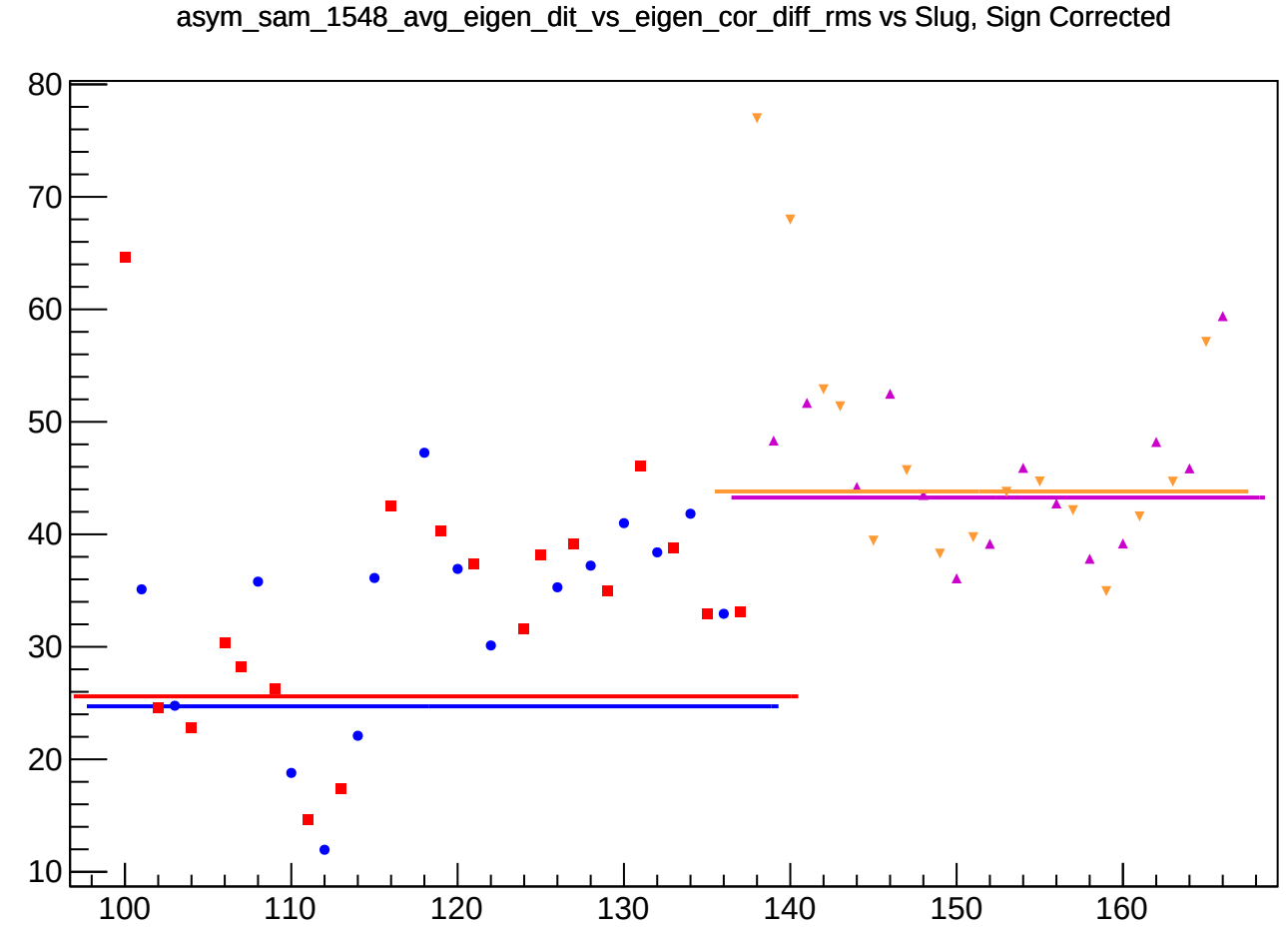
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.793+/-0.006 χ^2/NDF:5097122.9/29

Out: 32.519+/-0.006 χ^2/NDF:4730907.7/33

All: 32.156+/-0.004 χ^2/NDF: 9835970.9/63


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.004+/-0.013 χ²/NDF:15.0/14
Right Out: 0.005+/-0.010 χ²/NDF: 13.6/18
Left In: 0.004+/-0.013 χ²/NDF:15.7/13
Left: -0.000+/-0.009 χ²/NDF: 30.9/28
Right: 0.015+/-0.007 χ²/NDF: 32.1/34
In: 0.017+/-0.008 χ²/NDF:33.9/29
Out: 0.001+/-0.008 χ²/NDF:28.9/33
All: 0.009+/-0.006 χ²/NDF: 64.7/63



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.813+/-0.009 χ^2/NDF:770293.6/14

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.270+/-0.009 χ^2/NDF:351205.3/13

Left: 43.541+/-0.007 χ^2/NDF: 1123190.6/28

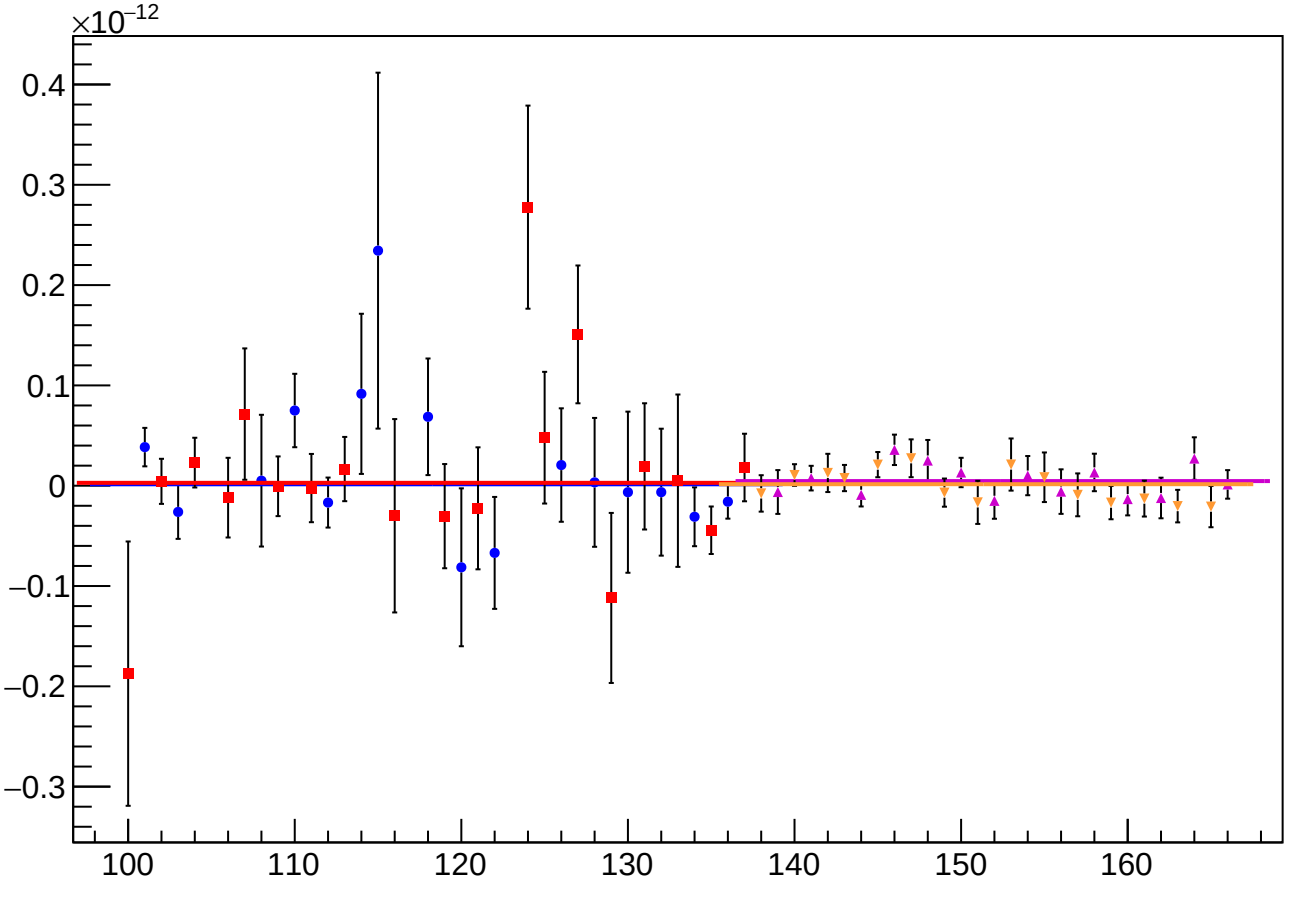
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.793+/-0.006 χ^2/NDF:5097122.9/29

Out: 32.519+/-0.006 χ^2/NDF:4730907.7/33

All: 32.156+/-0.004 χ^2/NDF: 9835970.9/63

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/13

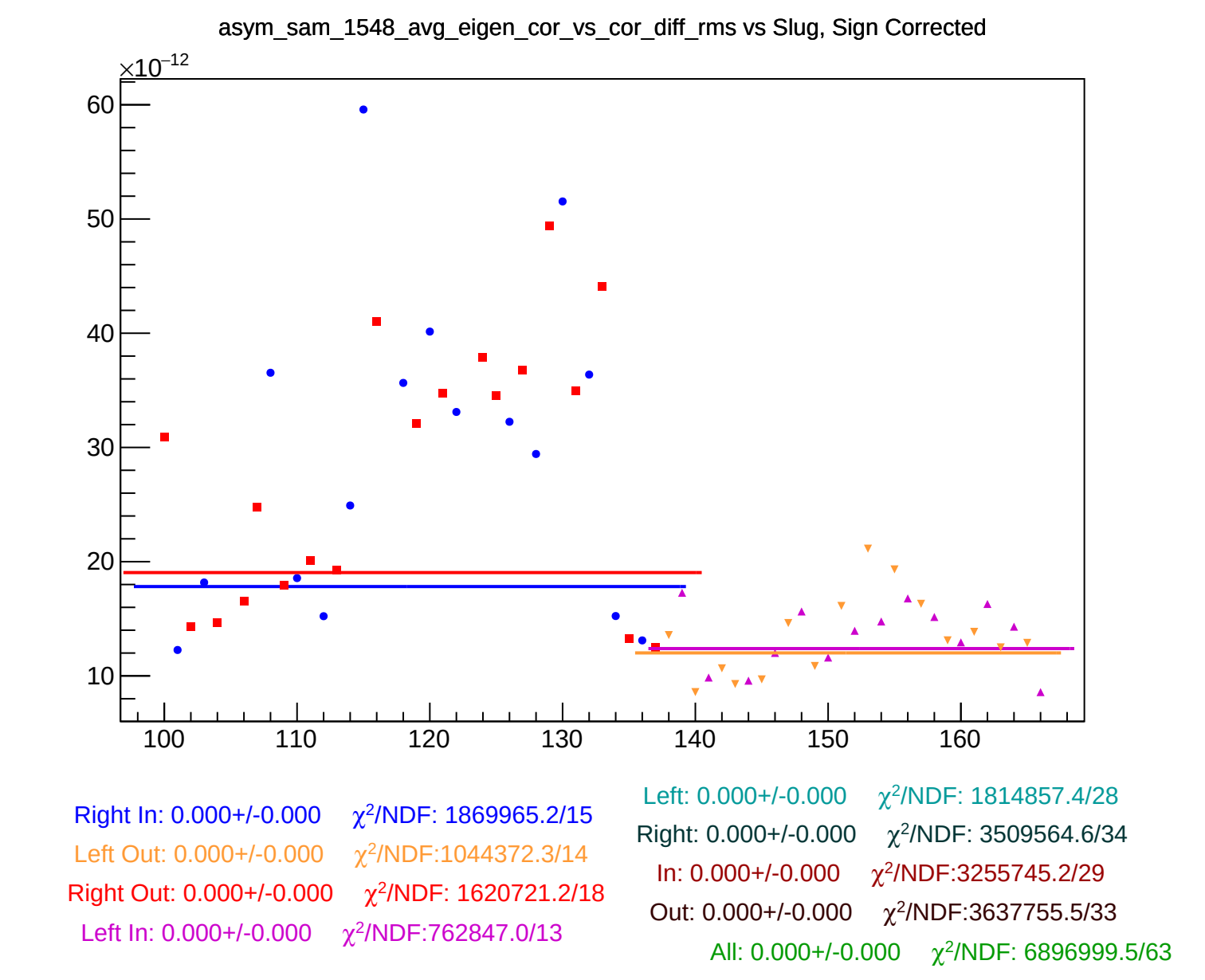
Left: 0.000+/-0.000 χ^2/NDF: 25.0/28

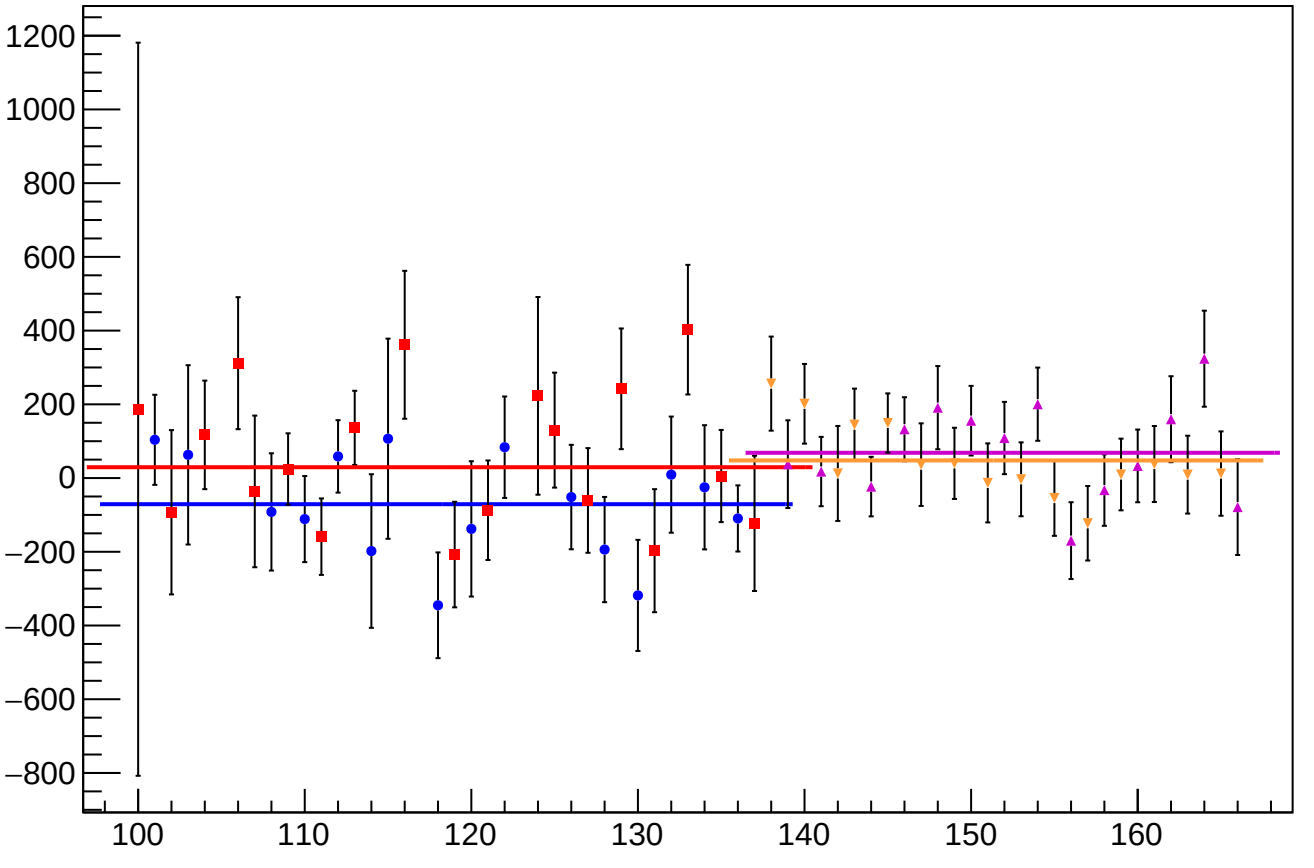
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

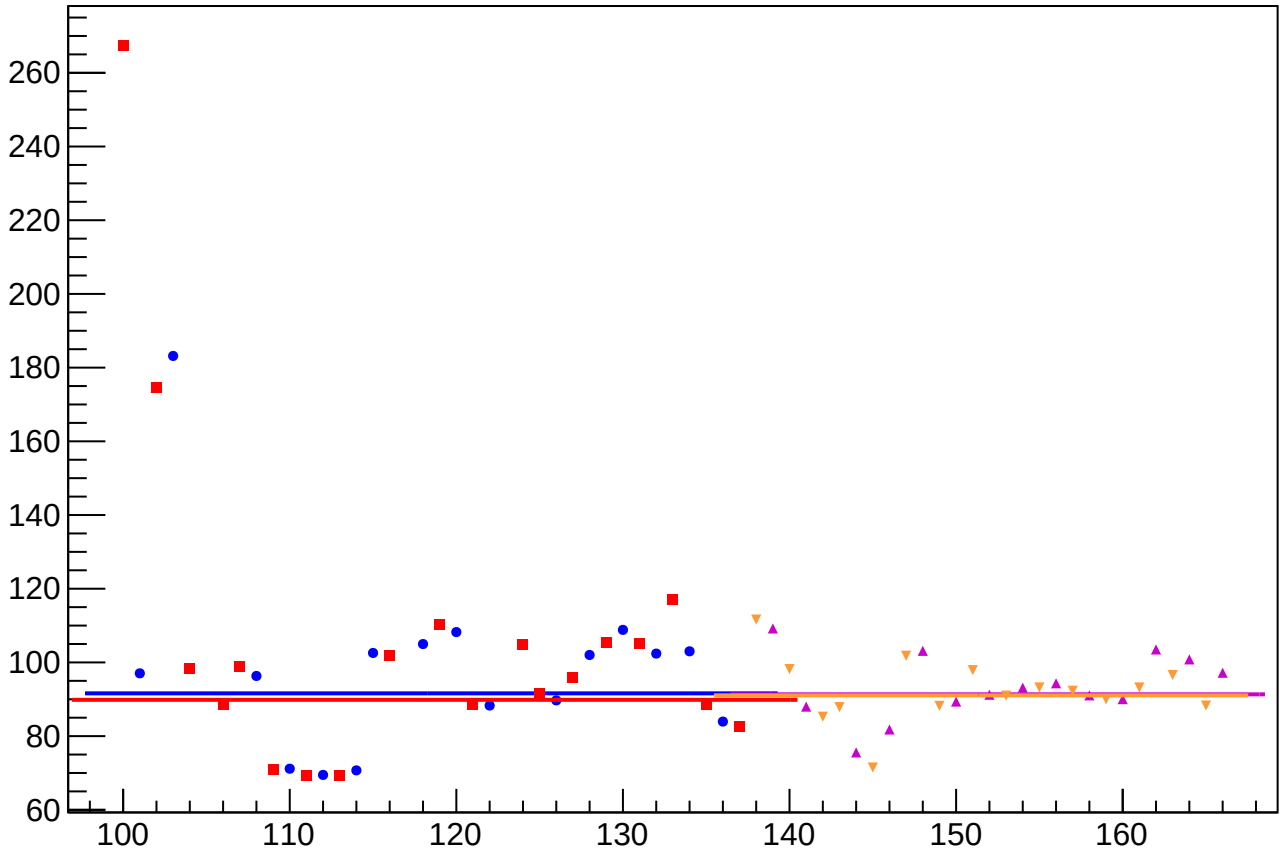
In: 0.000+/-0.000 χ^2/NDF:30.9/29

Out: 0.000+/-0.000 χ^2/NDF:36.2/33

All: 0.000+/-0.000 χ^2/NDF: 67.2/63


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1044372.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:762847.0/13
Left: 0.000+/-0.000 χ²/NDF: 1814857.4/28
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3255745.2/29
Out: 0.000+/-0.000 χ²/NDF:3637755.5/33
All: 0.000+/-0.000 χ²/NDF: 6896999.5/63


reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -70.892+/-35.122 χ²/NDF: 14.1/15
Left Out: 47.822+/-26.737 χ²/NDF:12.2/14
Right Out: 29.410+/-34.243 χ²/NDF: 24.0/18
Left In: 68.585+/-27.133 χ²/NDF:18.3/13
Left: 58.051+/-19.045 χ²/NDF: 30.8/28
Right: -19.470+/-24.518 χ²/NDF: 42.3/34
In: 16.455+/-21.472 χ²/NDF:42.3/29
Out: 40.849+/-21.074 χ²/NDF:36.4/33
All: 28.880+/-15.040 χ²/NDF: 79.3/63



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

Left: 91.197+/-0.013 χ^2/NDF: 432700.9/28

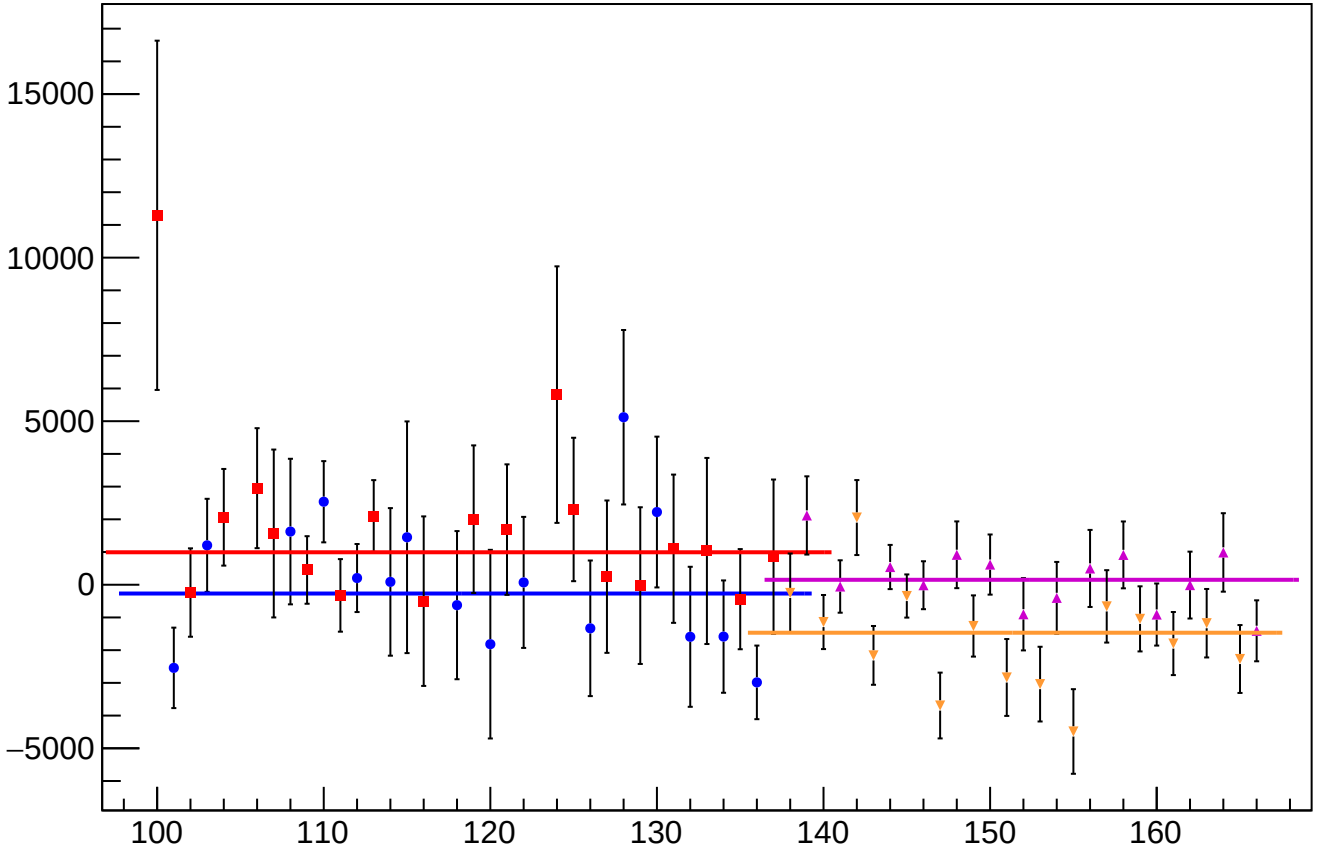
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.439+/-0.015 χ^2/NDF:790447.0/29

Out: 90.603+/-0.015 χ^2/NDF:970719.7/33

All: 91.013+/-0.011 χ^2/NDF: 1762712.8/63

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1466.909+/-254.761 χ^2/NDF:29.2/14

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 151.202+/-252.437 χ^2/NDF:10.3/13

Left: -650.440+/-179.316 χ^2/NDF: 59.9/28

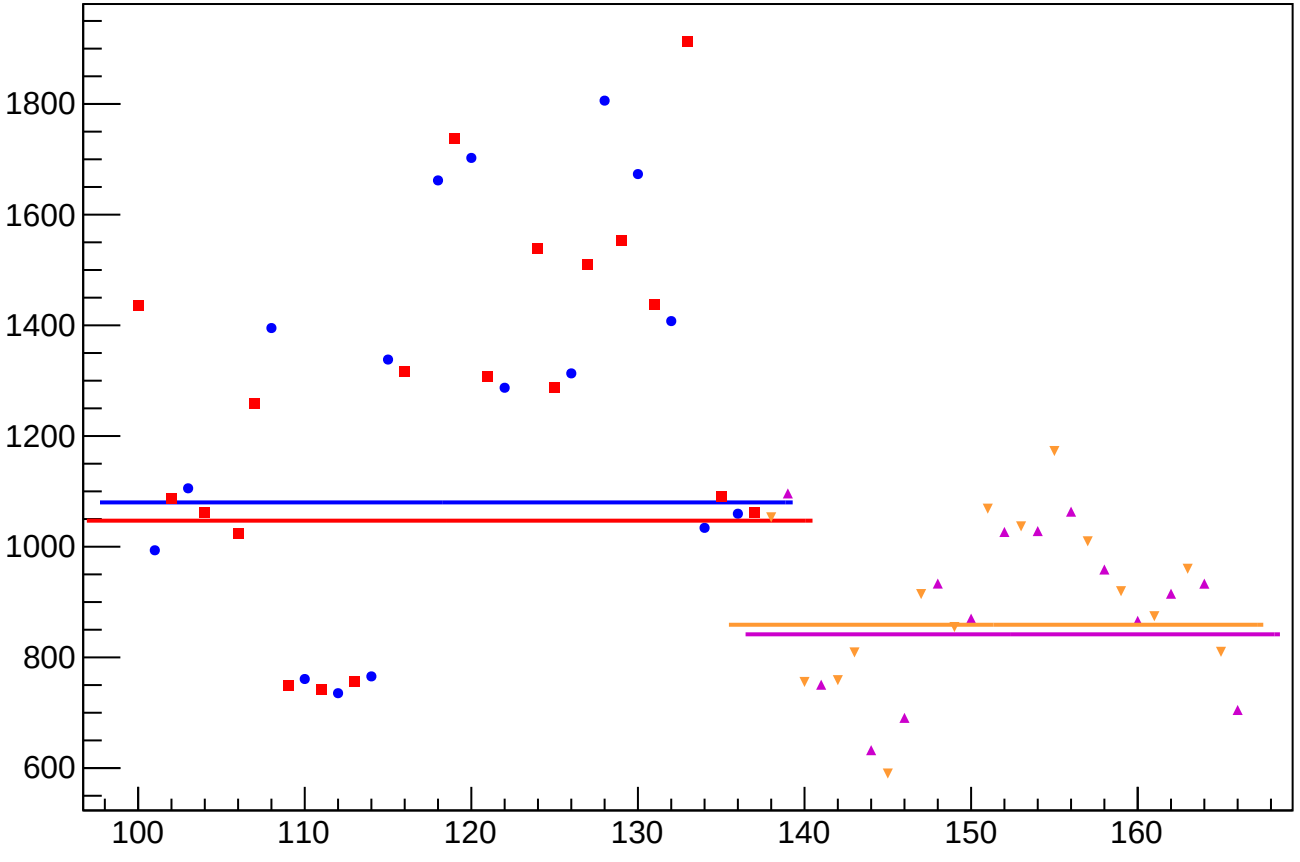
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 39.660+/-216.306 χ^2/NDF:34.5/29

Out: -759.192+/-215.007 χ^2/NDF:68.7/33

All: -362.171+/-152.490 χ^2/NDF: 110.1/63

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 858.999+/-0.180 χ^2/NDF:740647.2/14

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 841.704+/-0.179 χ^2/NDF:688449.4/13

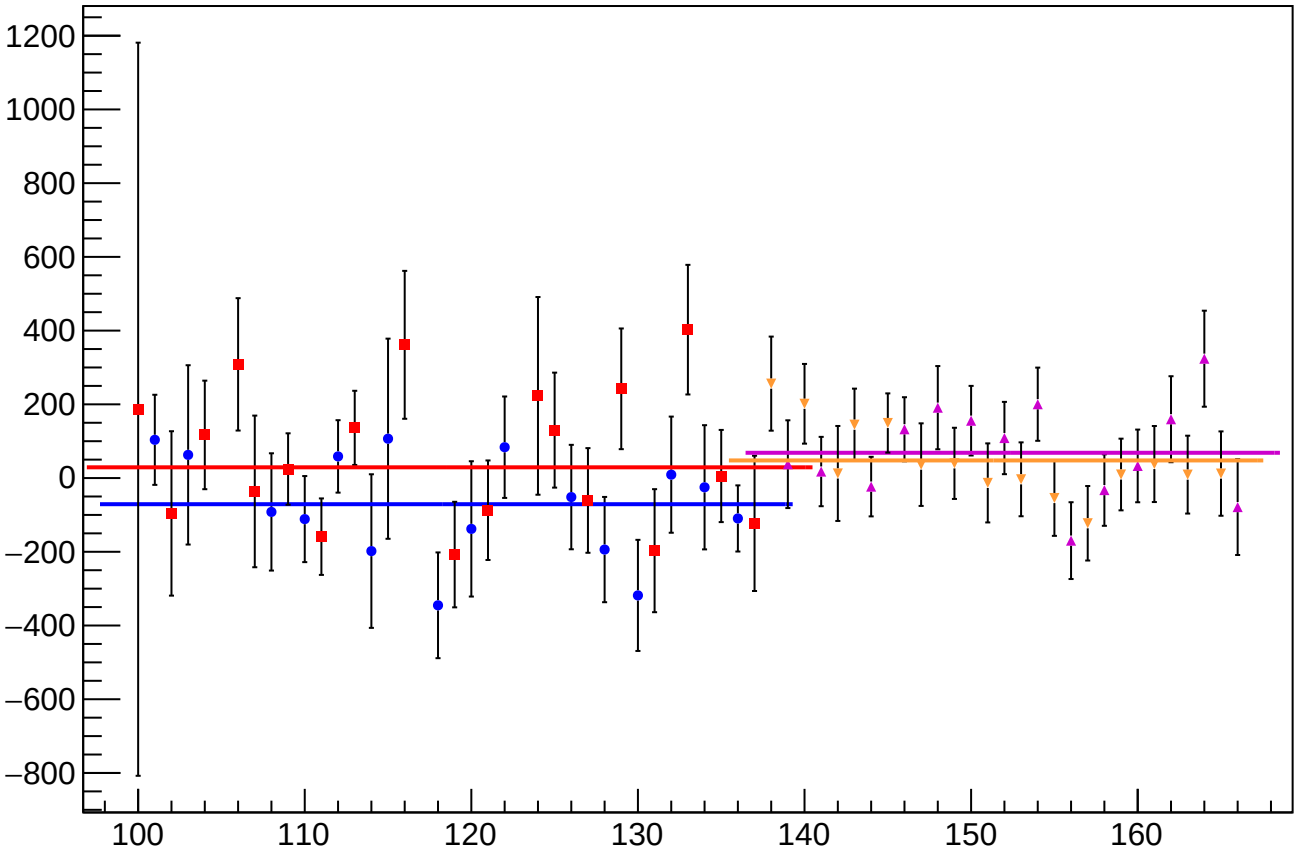
Left: 850.273+/-0.127 χ^2/NDF: 1433747.6/28

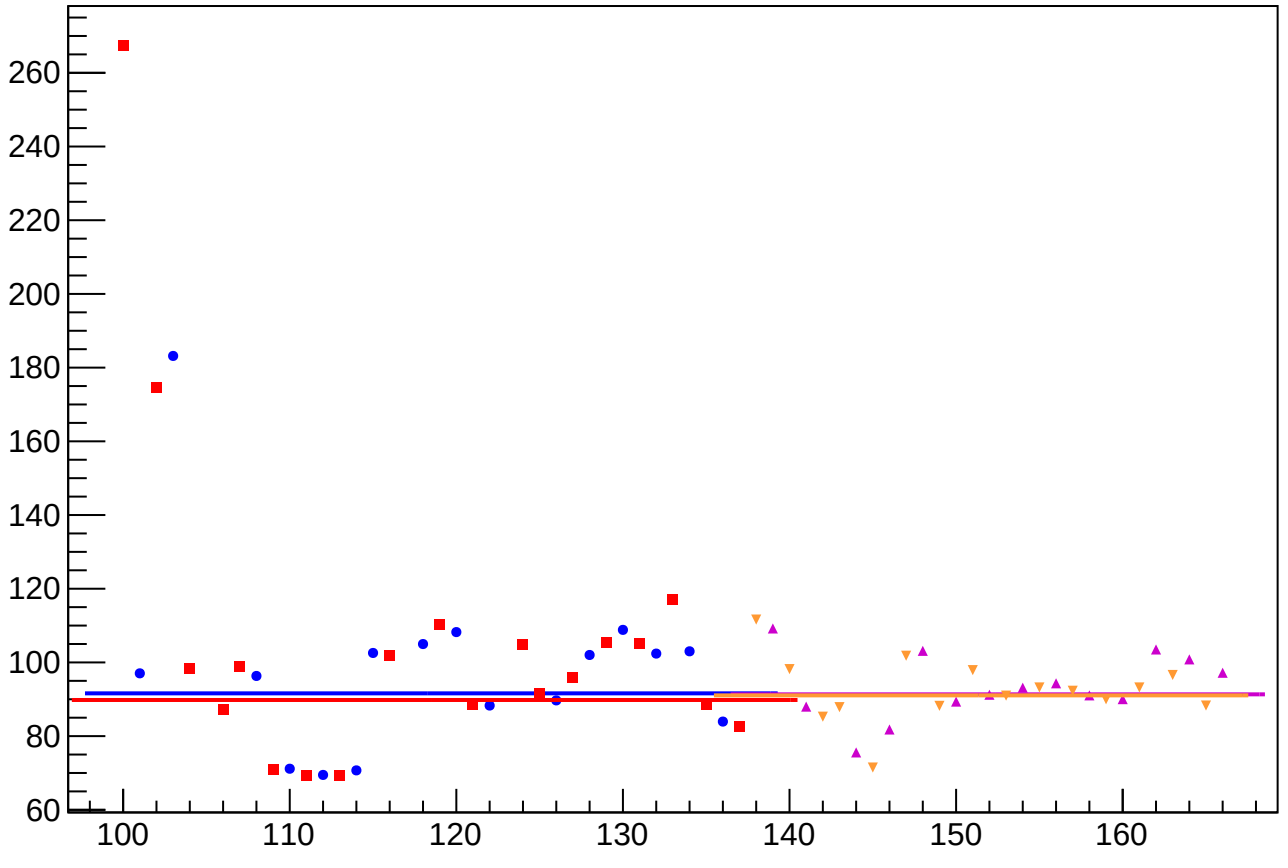
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 905.049+/-0.153 χ^2/NDF:2215758.5/29

Out: 913.114+/-0.152 χ^2/NDF:2252905.0/33

All: 909.106+/-0.108 χ^2/NDF: 4470062.0/63


cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 47.827+/-26.737 χ²/NDF:12.2/14
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 68.586+/-27.133 χ²/NDF:18.3/13
Left: 58.054+/-19.045 χ²/NDF: 30.8/28
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 16.451+/-21.472 χ²/NDF:42.3/29
Out: 40.758+/-21.075 χ²/NDF:36.3/33
All: 28.831+/-15.041 χ²/NDF: 79.2/63



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

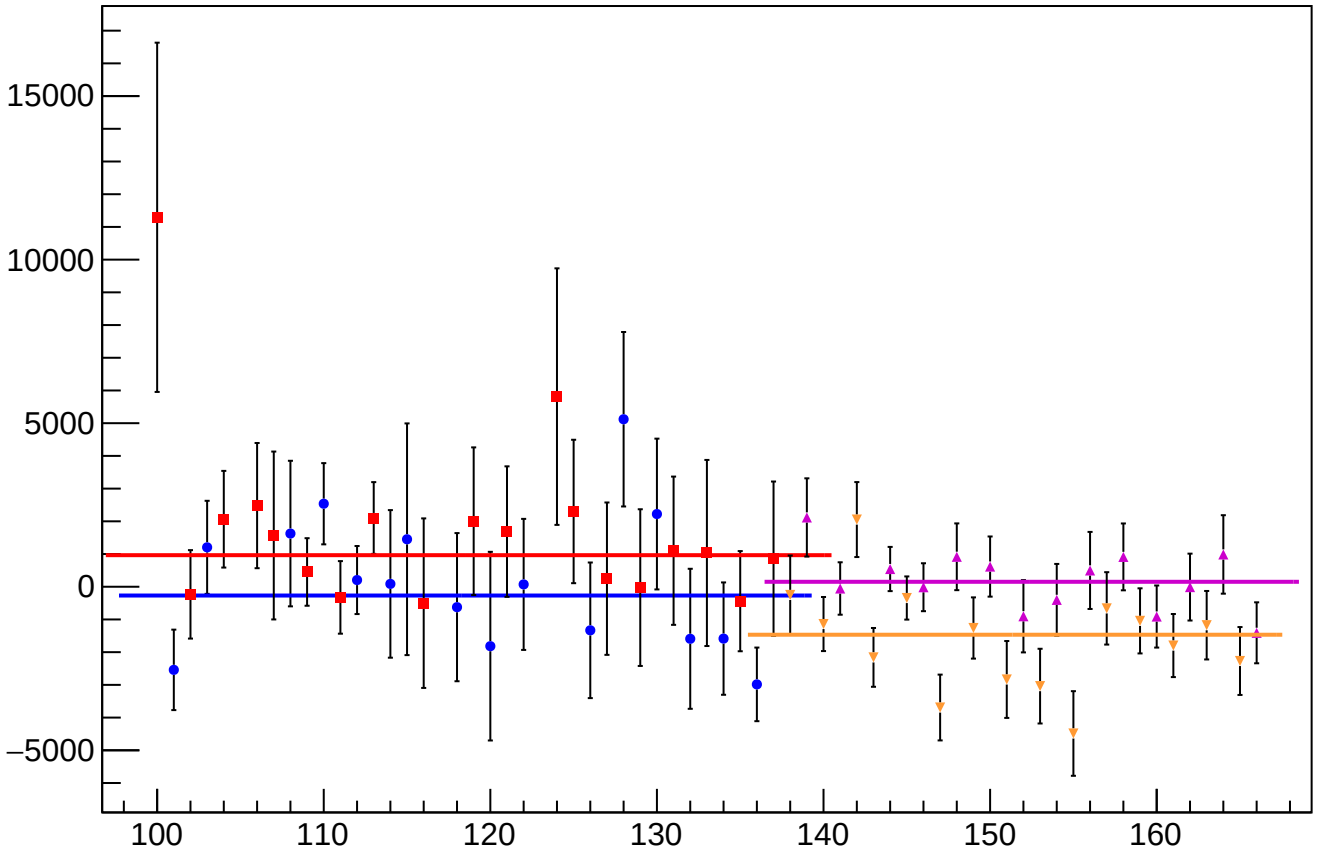
Left: 91.197+/-0.013 χ^2/NDF: 432700.9/28

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.439+/-0.015 χ^2/NDF:790450.1/29

Out: 90.585+/-0.015 χ^2/NDF:971387.3/33

All: 91.004+/-0.011 χ^2/NDF: 1763450.3/63



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 151.206+/-252.437 χ^2/NDF:10.3/13

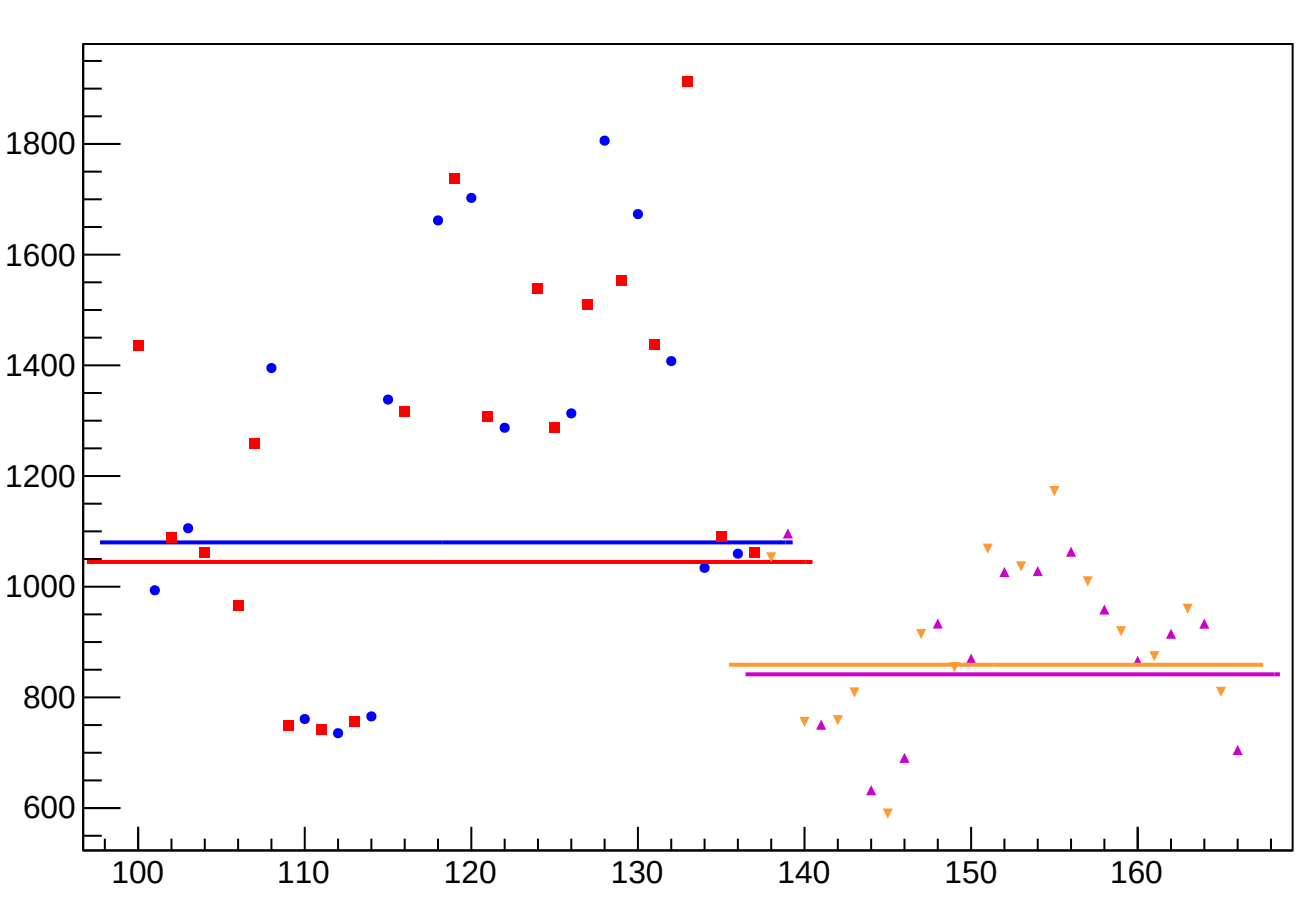
Left: -650.435+/-179.316 χ^2/NDF: 59.9/28

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 39.659+/-216.307 χ^2/NDF:34.5/29

Out: -769.162+/-215.132 χ^2/NDF:67.5/33

All: -366.954+/-152.535 χ^2/NDF: 109.1/63



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.704+/-0.179 χ^2/NDF:688447.3/13

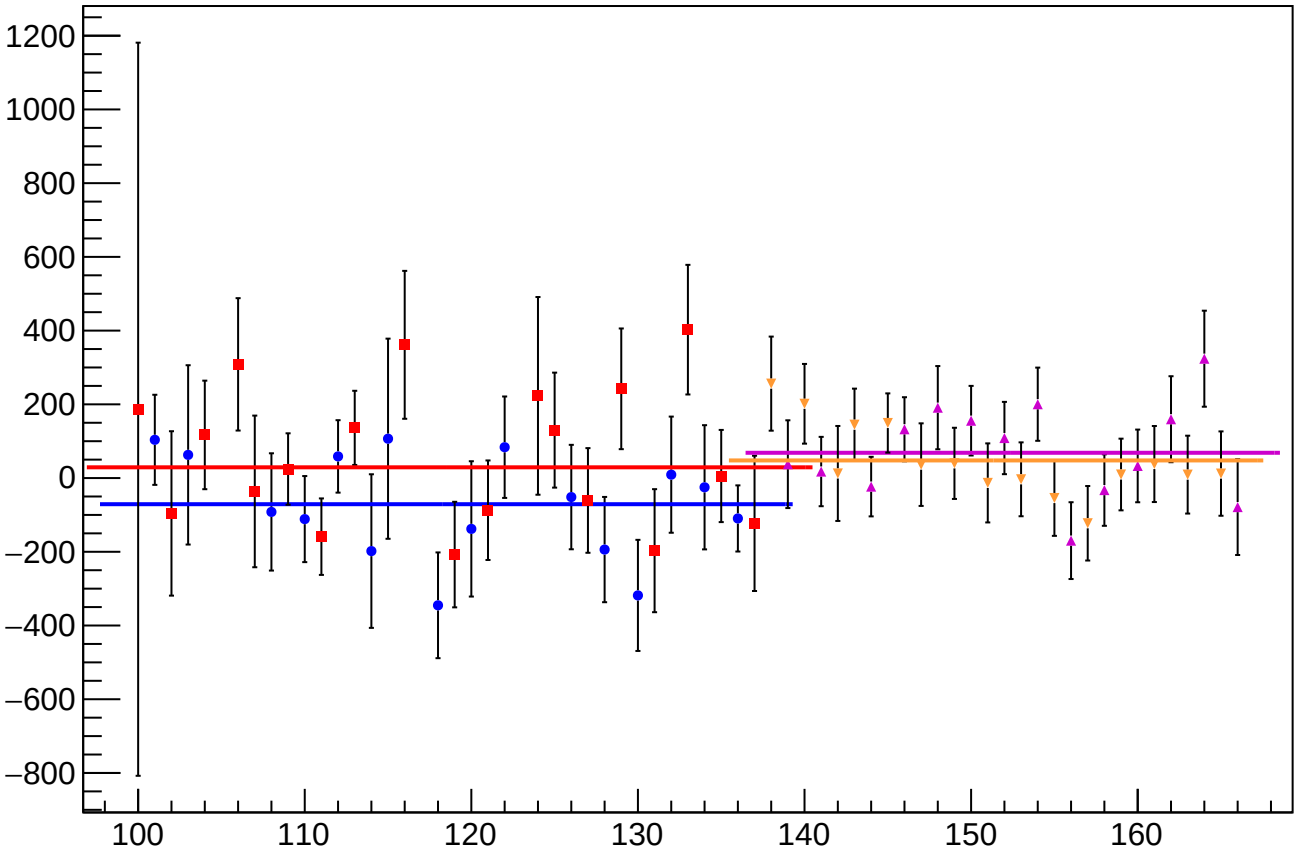
Left: 850.272+/-0.127 χ^2/NDF: 1433747.5/28

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 905.051+/-0.153 χ^2/NDF:2215790.8/29

Out: 912.284+/-0.152 χ^2/NDF:2247418.6/33

All: 908.687+/-0.108 χ^2/NDF: 4464333.7/63



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.827+/-26.737 χ^2/NDF:12.2/14

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 68.586+/-27.133 χ^2/NDF:18.3/13

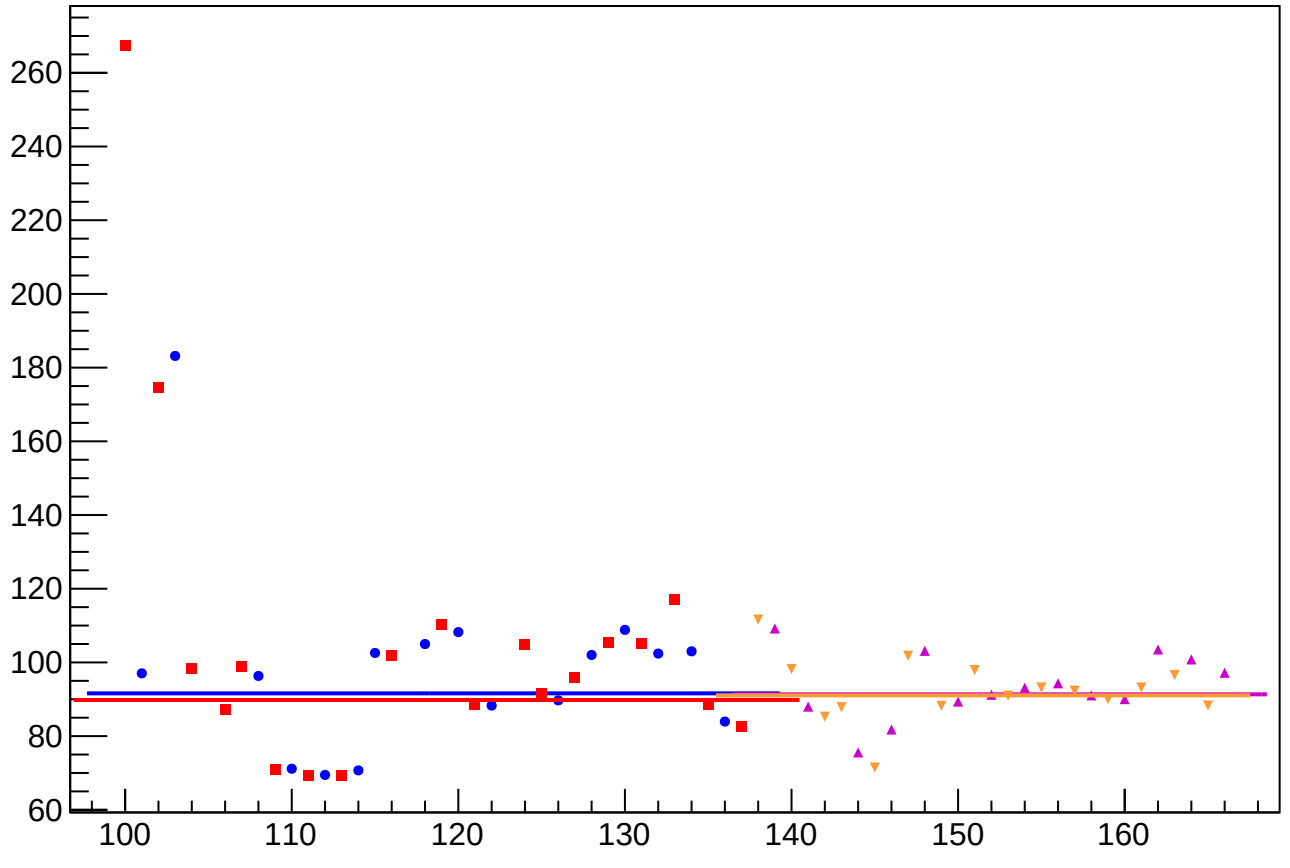
Left: 58.054+/-19.045 χ^2/NDF: 30.8/28

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 16.451+/-21.472 χ^2/NDF:42.3/29

Out: 40.758+/-21.075 χ^2/NDF:36.3/33

All: 28.831+/-15.041 χ^2/NDF: 79.2/63



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.339+/-0.019 χ^2/NDF:209700.7/13

Left: 91.197+/-0.013 χ^2/NDF: 432700.9/28

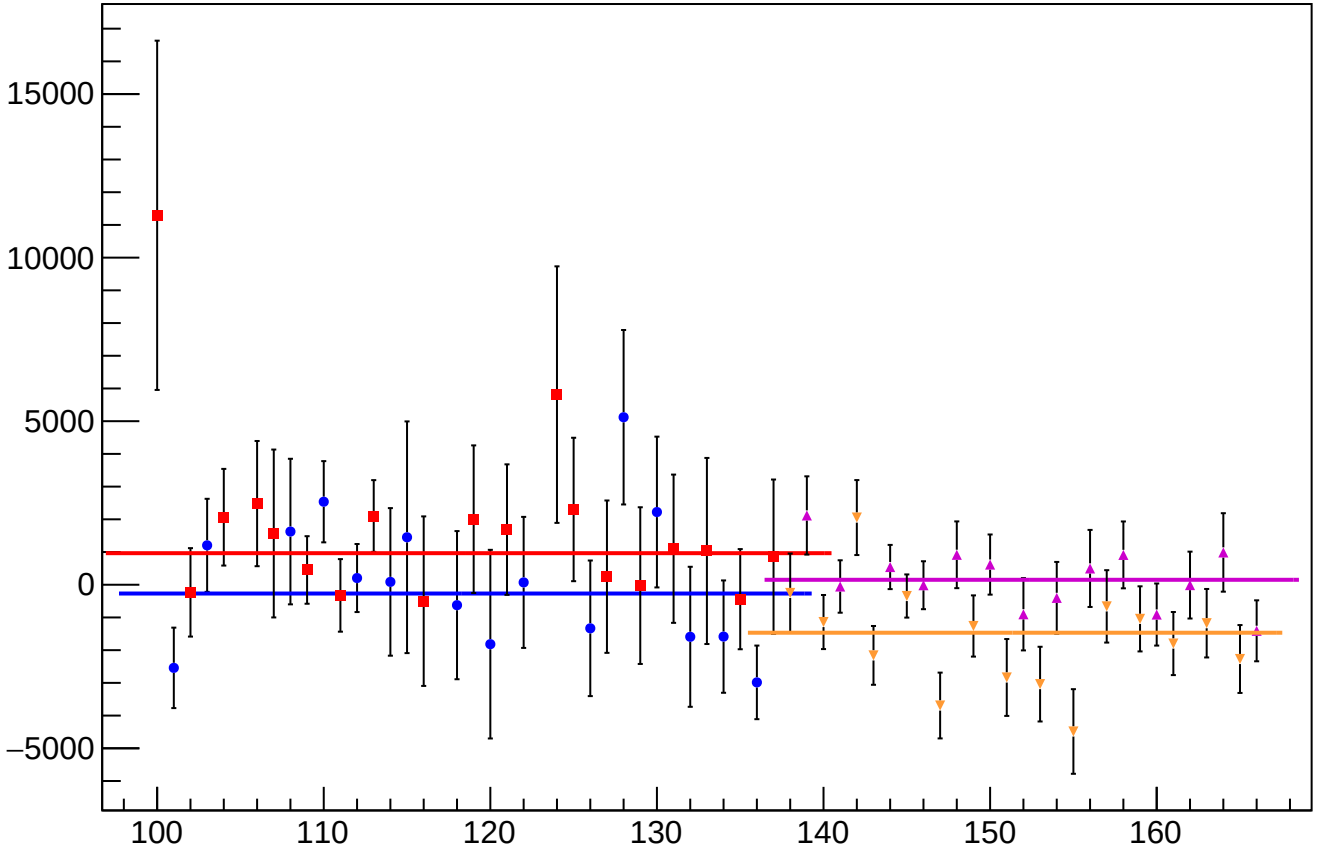
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.439+/-0.015 χ^2/NDF:790450.1/29

Out: 90.585+/-0.015 χ^2/NDF:971387.3/33

All: 91.004+/-0.011 χ^2/NDF: 1763450.3/63

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 151.206+/-252.437 χ^2/NDF:10.3/13

Left: -650.435+/-179.316 χ^2/NDF: 59.9/28

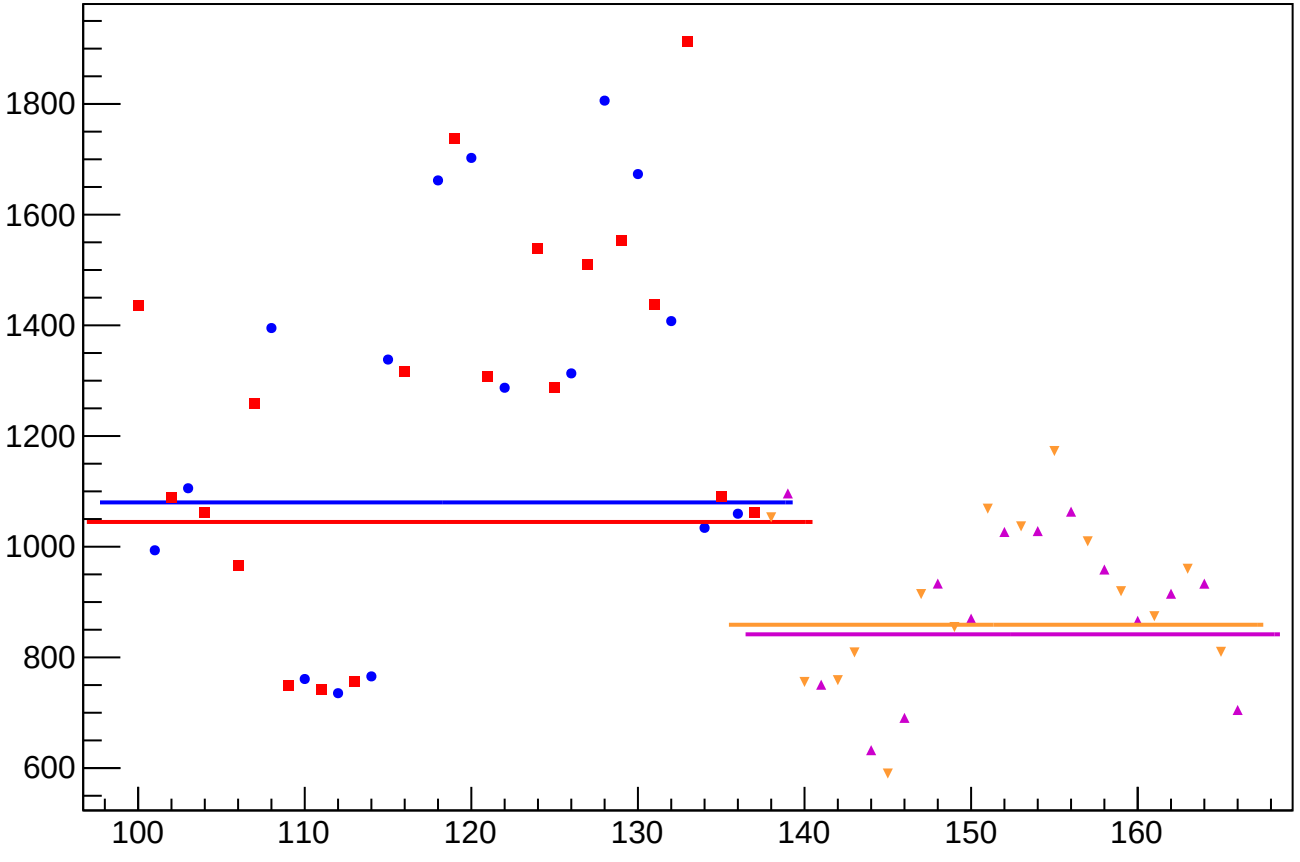
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 39.659+/-216.307 χ^2/NDF:34.5/29

Out: -769.162+/-215.132 χ^2/NDF:67.5/33

All: -366.954+/-152.535 χ^2/NDF: 109.1/63

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.704+/-0.179 χ^2/NDF:688447.3/13

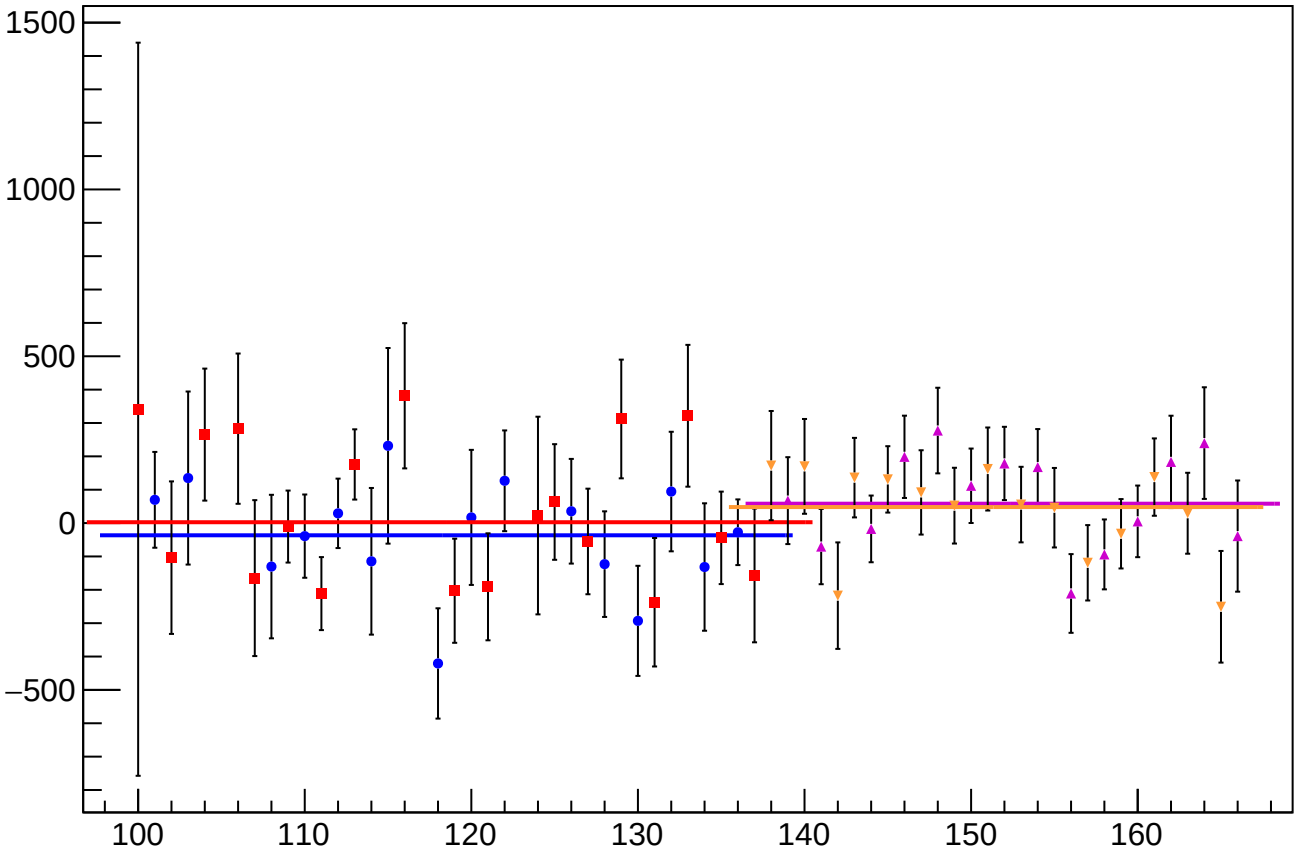
Left: 850.272+/-0.127 χ^2/NDF: 1433747.5/28

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 905.051+/-0.153 χ^2/NDF:2215790.8/29

Out: 912.284+/-0.152 χ^2/NDF:2247418.6/33

All: 908.687+/-0.108 χ^2/NDF: 4464333.7/63



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.011+/-31.628 χ^2/NDF:12.9/14

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 58.099+/-31.971 χ^2/NDF:18.4/13

Left: 53.001+/-22.485 χ^2/NDF: 31.3/28

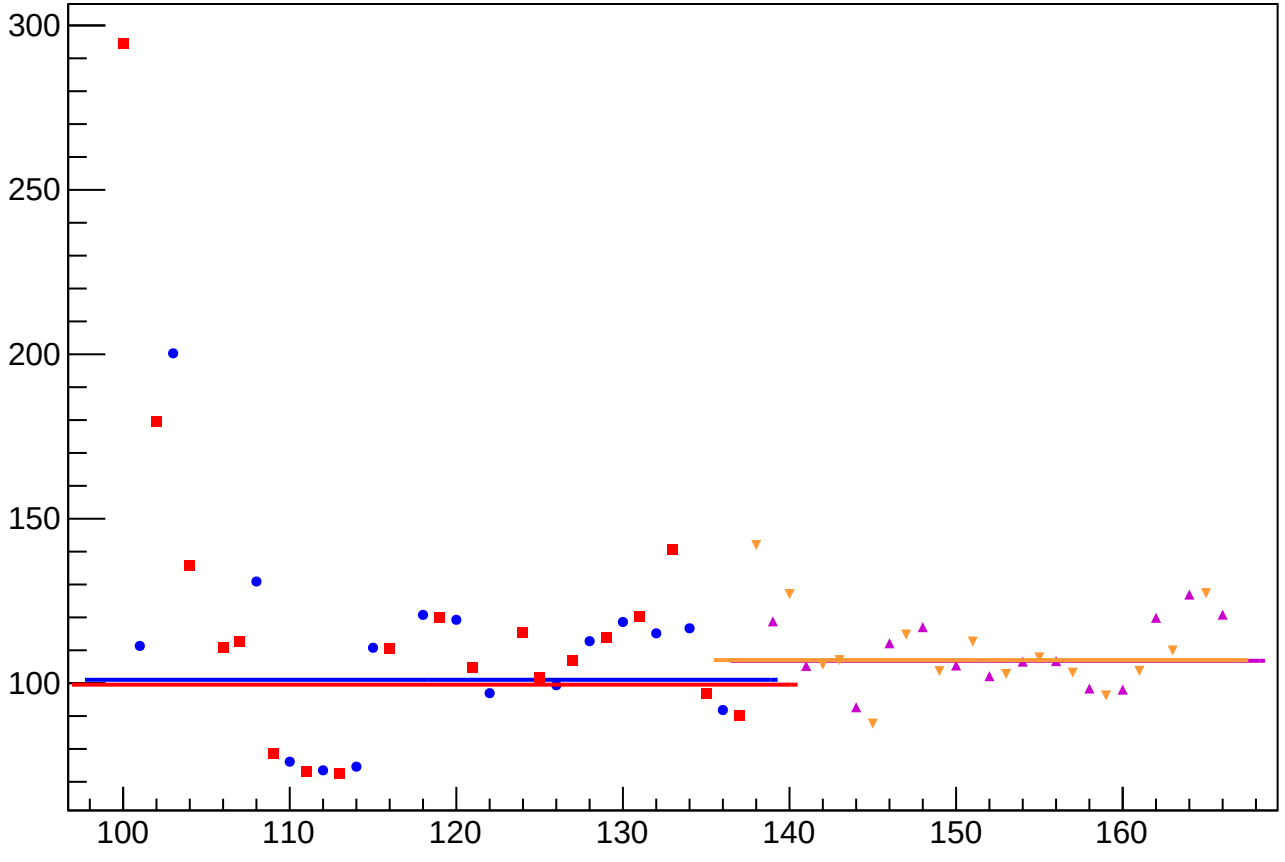
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 20.030+/-24.723 χ^2/NDF:34.8/29

Out: 29.509+/-24.352 χ^2/NDF:38.5/33

All: 24.841+/-17.349 χ^2/NDF: 73.3/63

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.006+/-0.022 χ^2/NDF:278923.1/14

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.798+/-0.023 χ^2/NDF:164986.3/13

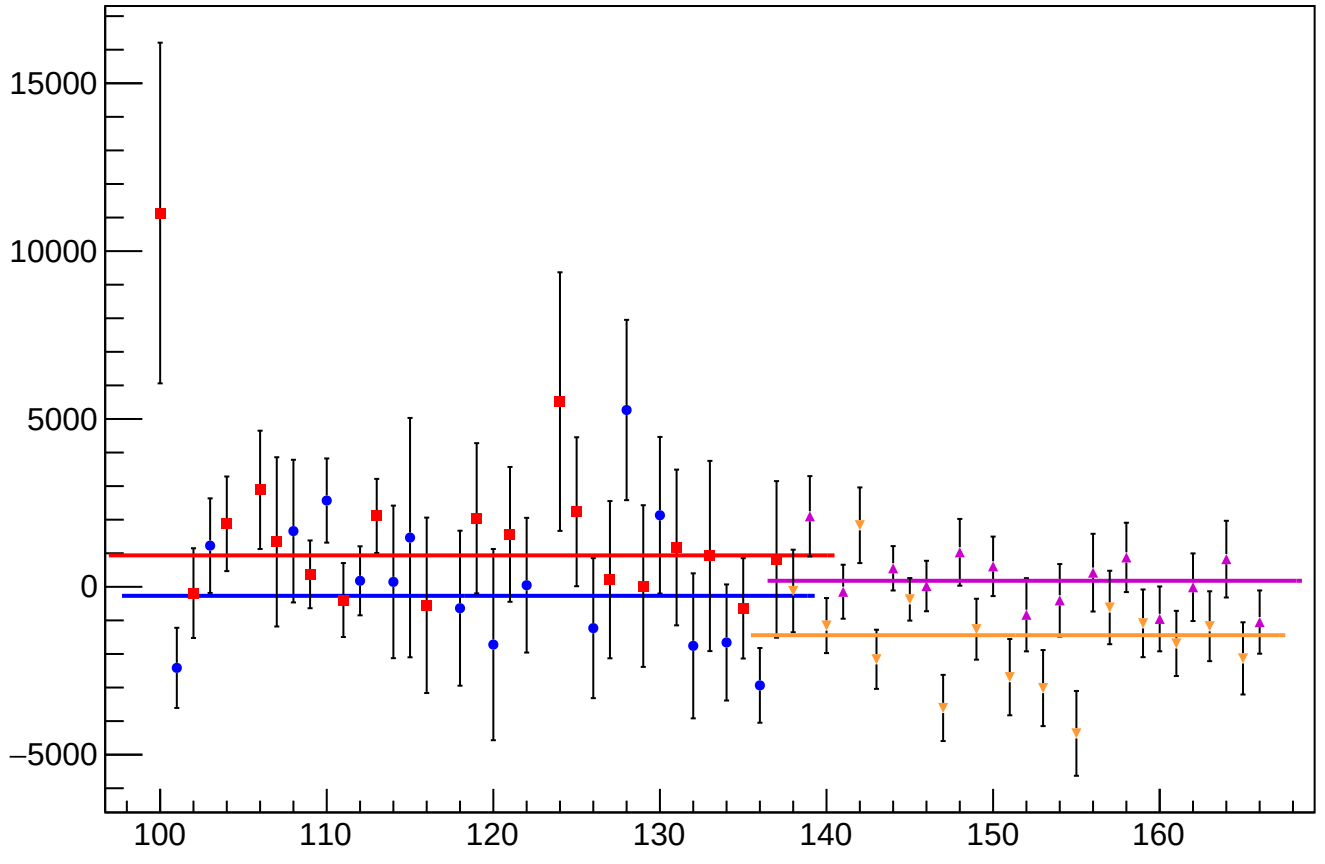
Left: 106.903+/-0.016 χ^2/NDF: 443951.9/28

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 104.480+/-0.017 χ^2/NDF:907244.0/29

Out: 103.969+/-0.017 χ^2/NDF:1204705.3/33

All: 104.220+/-0.012 χ^2/NDF: 2112382.5/63



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1441.003+/-251.526 χ^2/NDF:27.8/14

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.314+/-250.631 χ^2/NDF:9.2/13

Left: -627.453+/-177.538 χ^2/NDF: 57.8/28

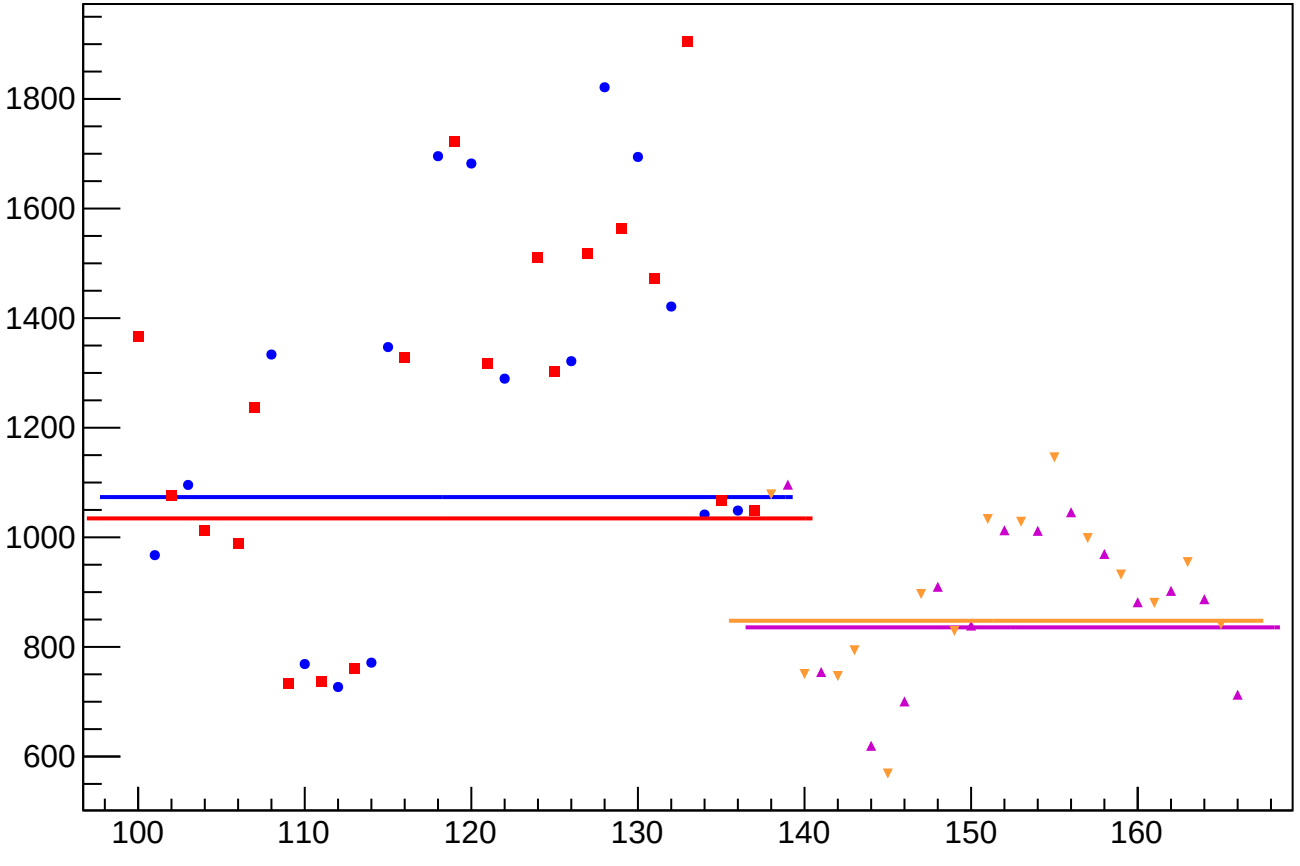
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 61.398+/-214.824 χ^2/NDF:33.5/29

Out: -758.066+/-212.354 χ^2/NDF:66.6/33

All: -353.073+/-151.023 χ^2/NDF: 107.5/63

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 847.763+/-0.178 χ^2/NDF:805777.5/14

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 835.723+/-0.177 χ^2/NDF:661662.4/13

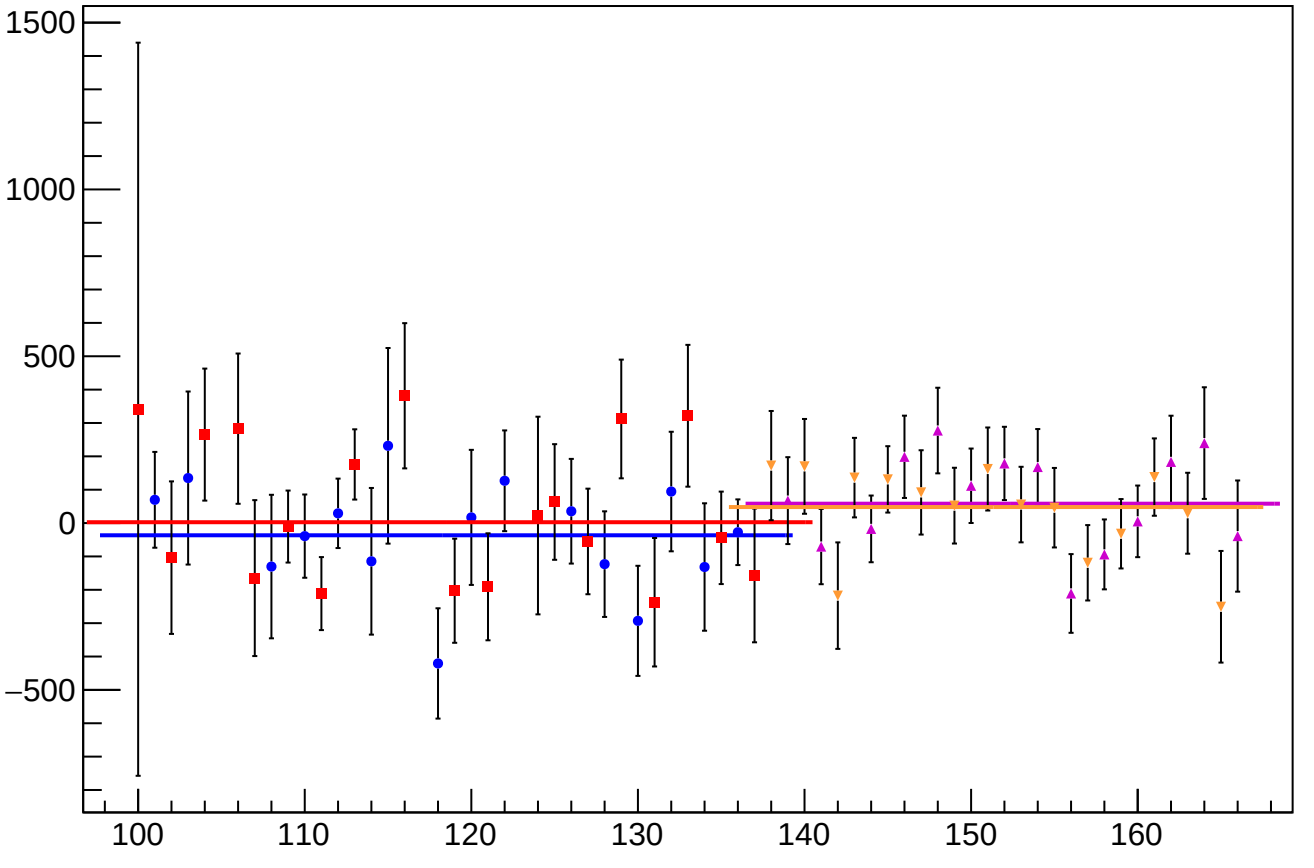
Left: 841.721+/-0.126 χ^2/NDF: 1469739.6/28

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 898.798+/-0.152 χ^2/NDF:2216146.7/29

Out: 901.408+/-0.150 χ^2/NDF:2351862.0/33

All: 900.118+/-0.107 χ^2/NDF: 4568158.1/63



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.013+/-31.628 χ^2/NDF:12.9/14

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 58.099+/-31.971 χ^2/NDF:18.4/13

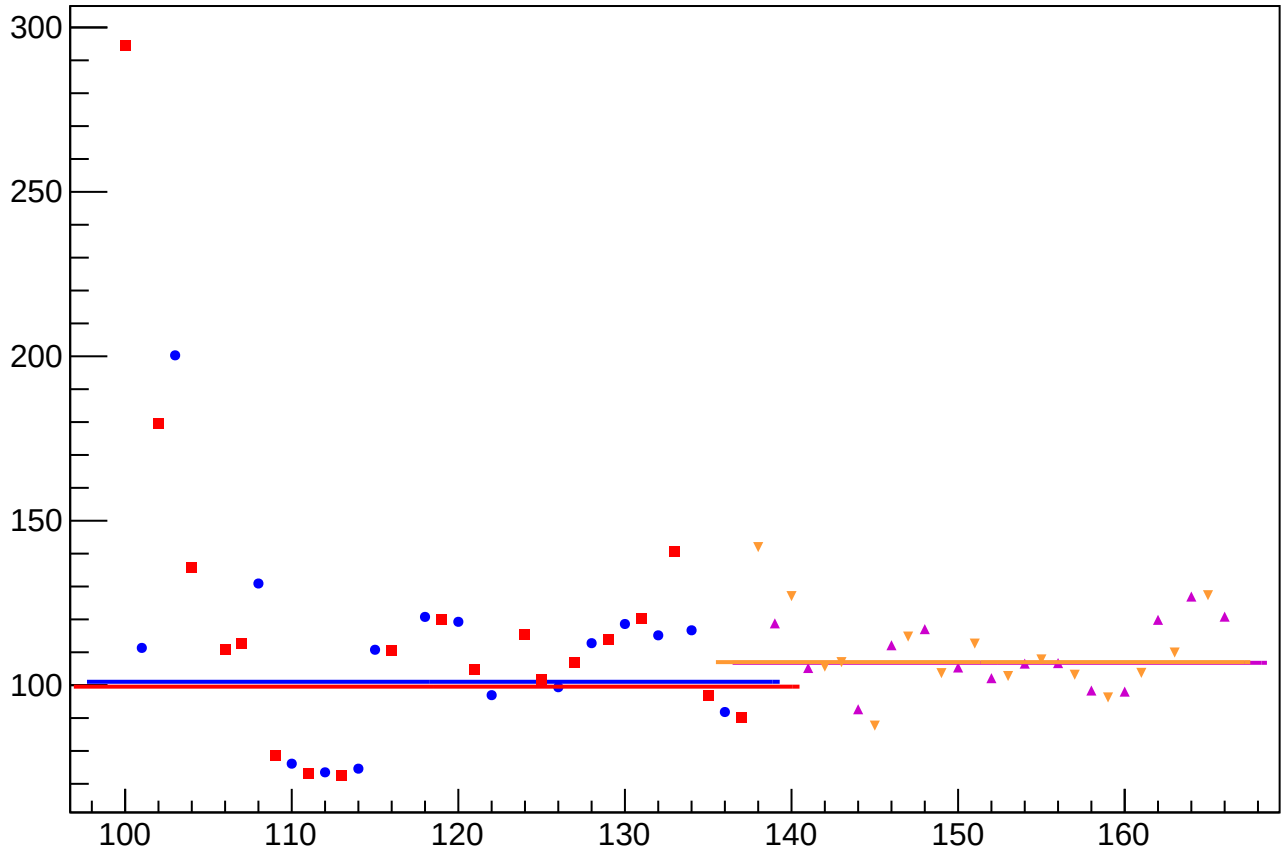
Left: 53.002+/-22.485 χ^2/NDF: 31.3/28

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 20.030+/-24.723 χ^2/NDF:34.8/29

Out: 29.509+/-24.352 χ^2/NDF:38.5/33

All: 24.841+/-17.349 χ^2/NDF: 73.3/63



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.006+/-0.022 χ^2/NDF:278917.6/14

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.798+/-0.023 χ^2/NDF:164985.0/13

Left: 106.903+/-0.016 χ^2/NDF: 443945.2/28

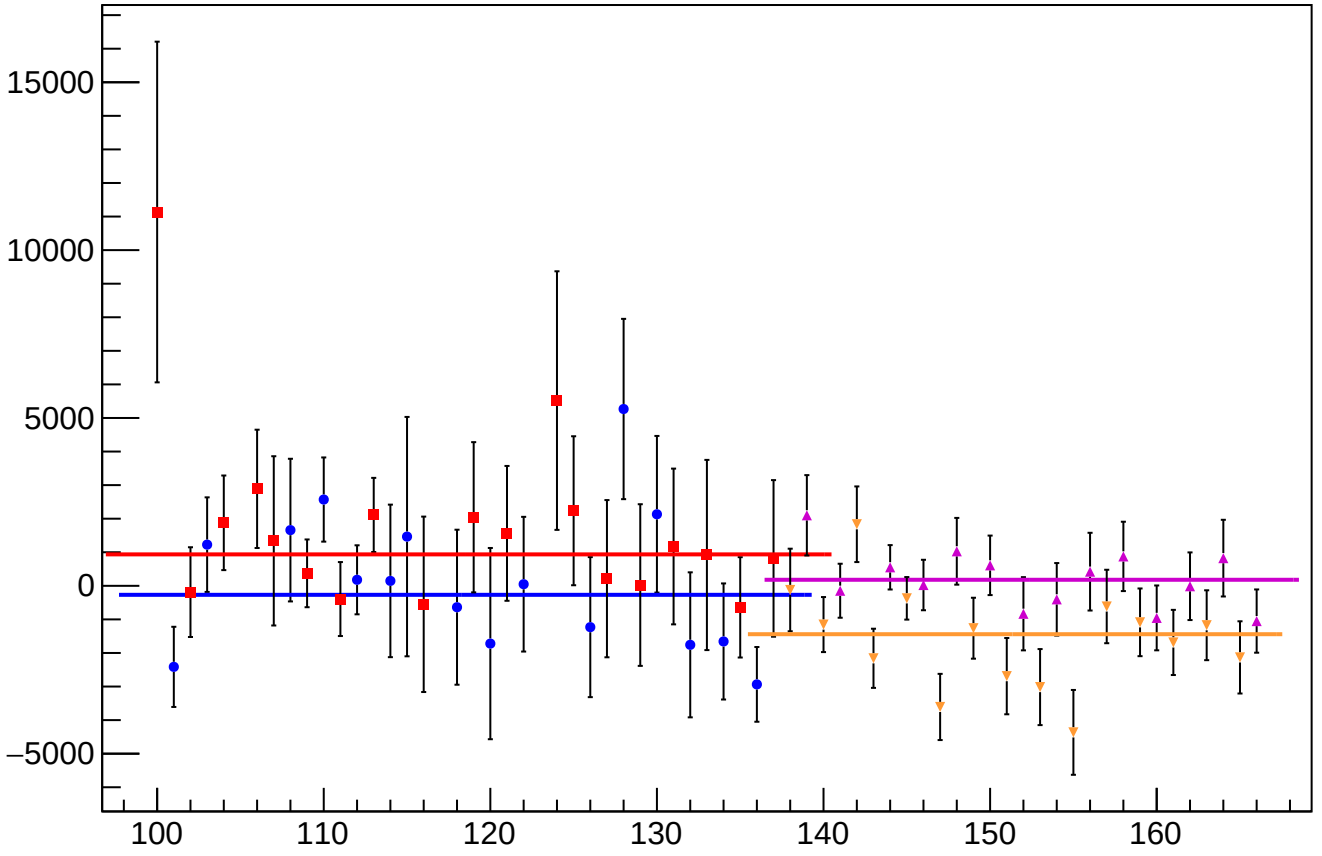
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 104.480+/-0.017 χ^2/NDF:907243.4/29

Out: 103.969+/-0.017 χ^2/NDF:1204705.3/33

All: 104.221+/-0.012 χ^2/NDF: 2112381.9/63

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1441.001+/-251.526 χ^2/NDF:27.8/14

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.313+/-250.630 χ^2/NDF:9.2/13

Left: -627.453+/-177.538 χ^2/NDF: 57.8/28

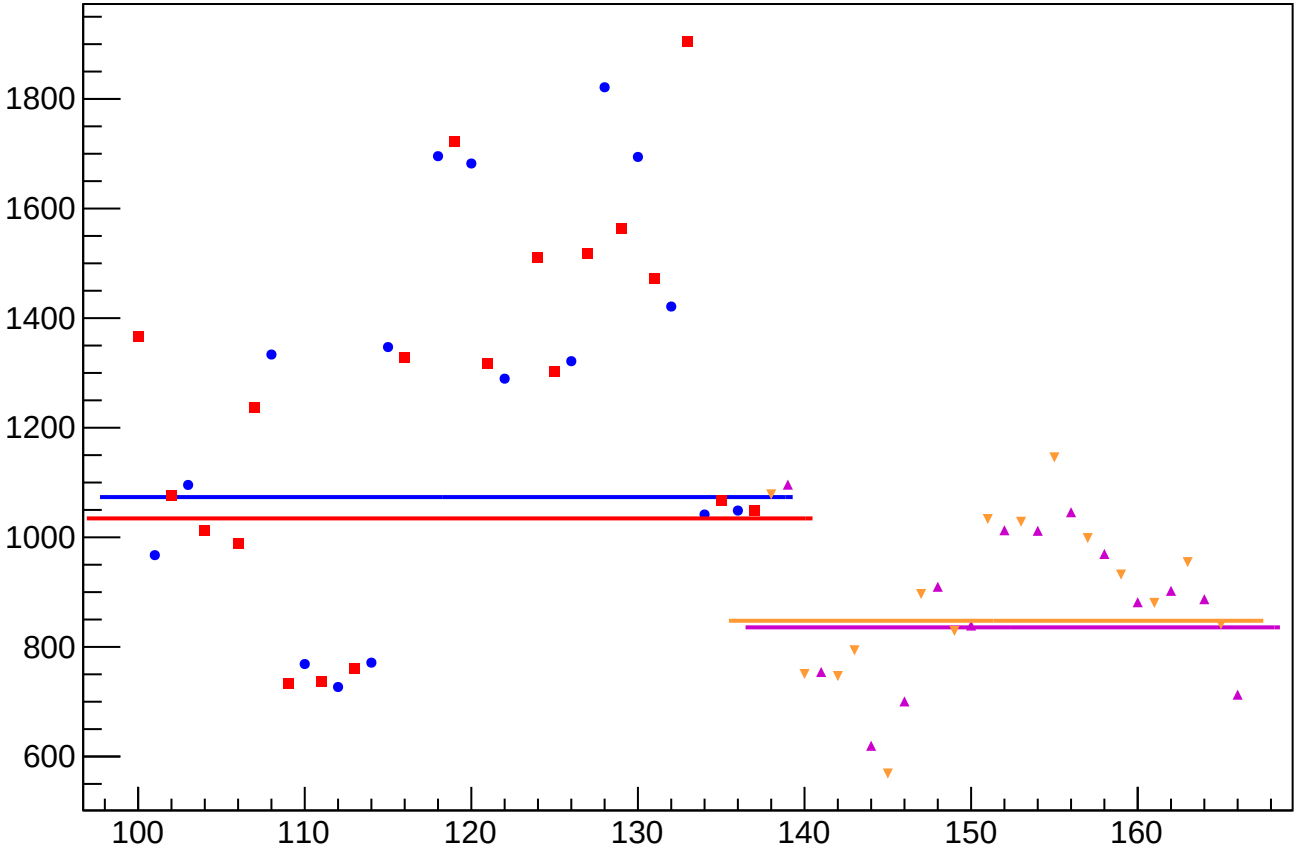
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 61.398+/-214.824 χ^2/NDF:33.5/29

Out: -758.065+/-212.354 χ^2/NDF:66.6/33

All: -353.073+/-151.023 χ^2/NDF: 107.5/63

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 847.762+/-0.178 χ^2/NDF:805780.3/14

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 835.721+/-0.177 χ^2/NDF:661661.7/13

Left: 841.720+/-0.126 χ^2/NDF: 1469741.7/28

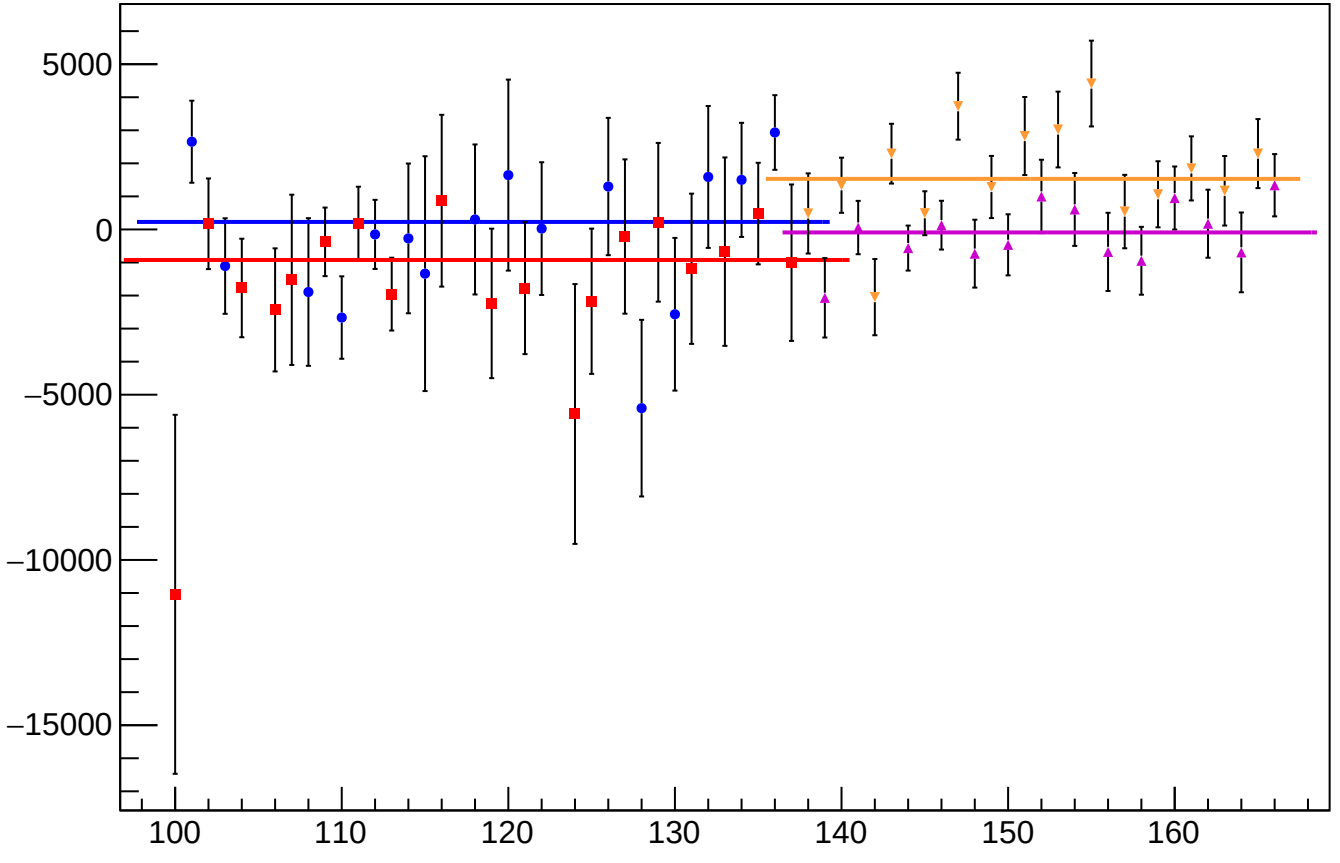
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 898.796+/-0.152 χ^2/NDF:2216149.7/29

Out: 901.407+/-0.150 χ^2/NDF:2351866.8/33

All: 900.117+/-0.107 χ^2/NDF: 4568165.9/63

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1529.775+/-256.287 χ^2/NDF:28.0/14

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -90.352+/-254.035 χ^2/NDF:10.0/13

Left: 712.563+/-180.421 χ^2/NDF: 58.1/28

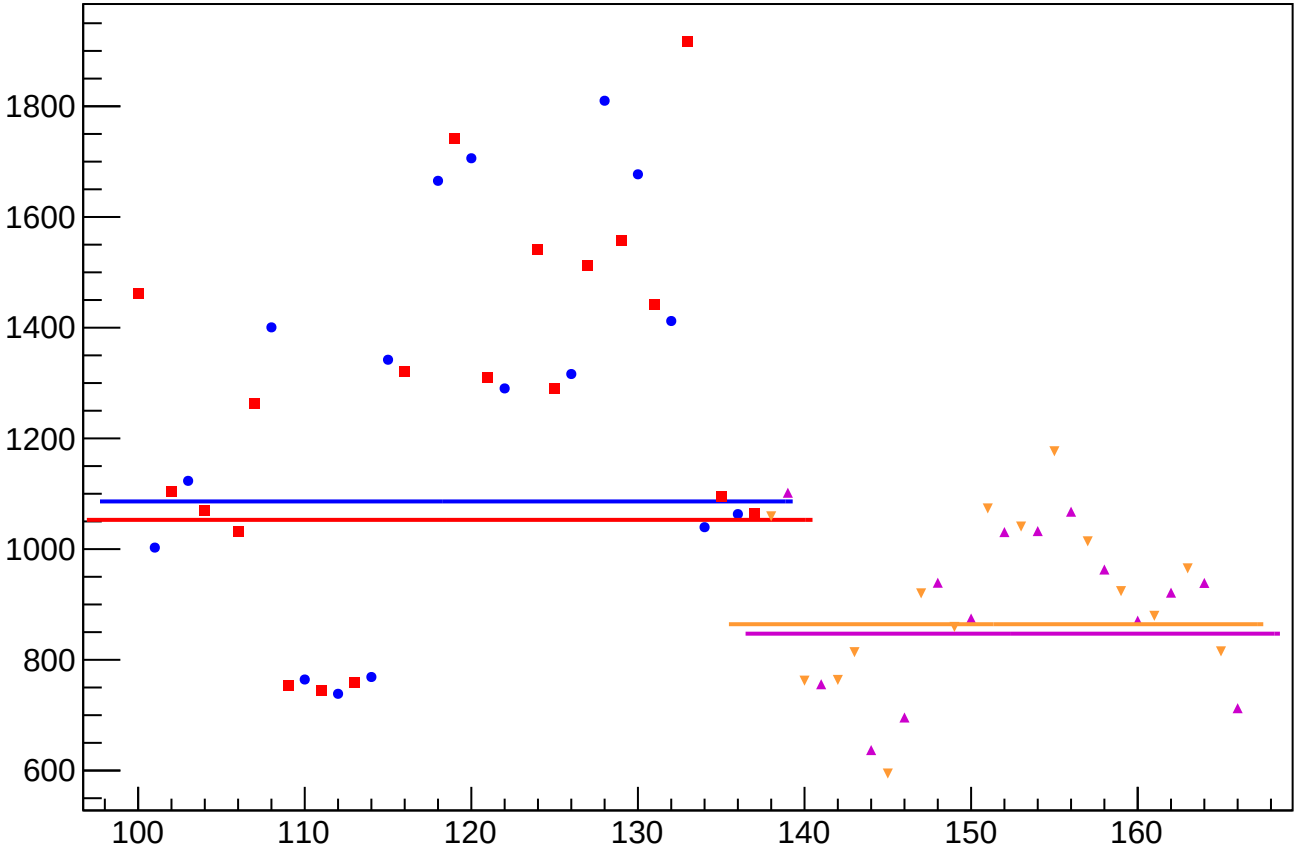
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -5.758+/-217.621 χ^2/NDF:34.8/29

Out: 823.524+/-216.276 χ^2/NDF:65.5/33

All: 411.453+/-153.403 χ^2/NDF: 107.7/63

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 864.333+/-0.181 χ^2/NDF:731080.8/14

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 847.238+/-0.180 χ^2/NDF:678375.2/13

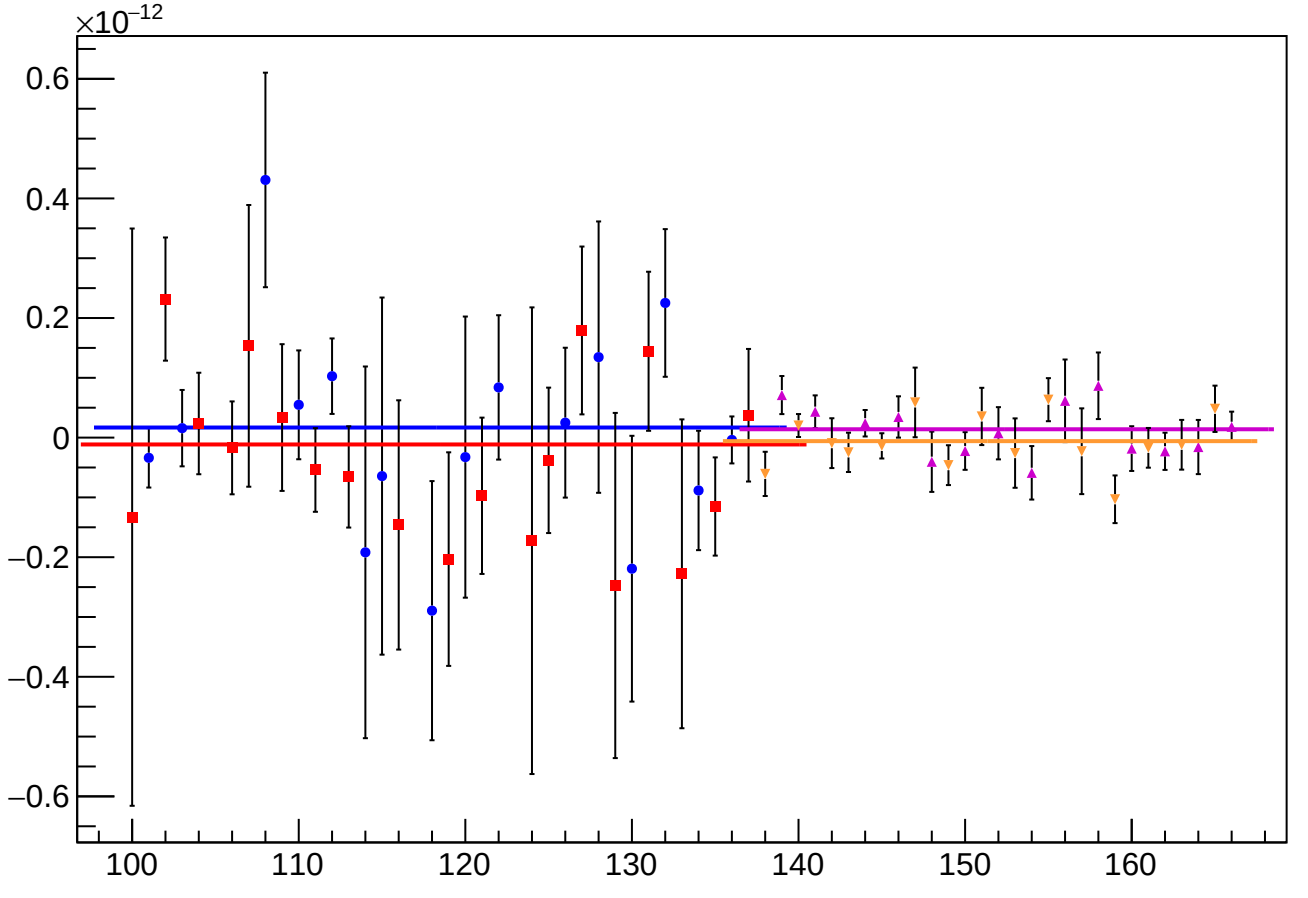
Left: 855.710+/-0.128 χ^2/NDF: 1413944.5/28

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 910.819+/-0.154 χ^2/NDF:2196594.8/29

Out: 918.595+/-0.153 χ^2/NDF:2236941.4/33

All: 914.731+/-0.108 χ^2/NDF: 4434820.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/13

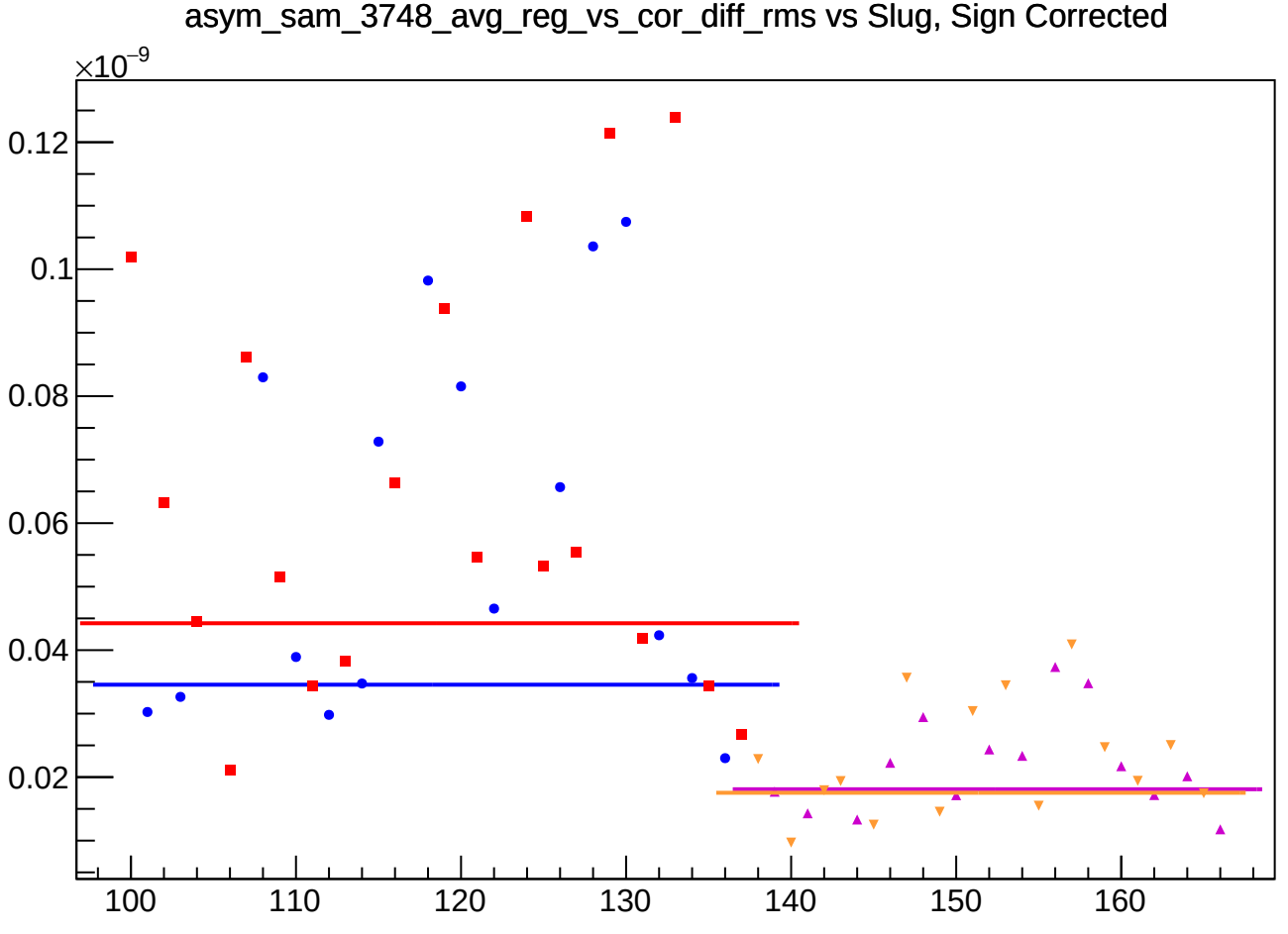
Left: 0.000+/-0.000 χ^2/NDF: 37.2/28

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:31.8/29

Out: -0.000+/-0.000 χ^2/NDF:35.7/33

All: 0.000+/-0.000 χ^2/NDF: 70.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1374231.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:817129.2/13

Left: 0.000+/-0.000 χ^2/NDF: 2195169.0/28

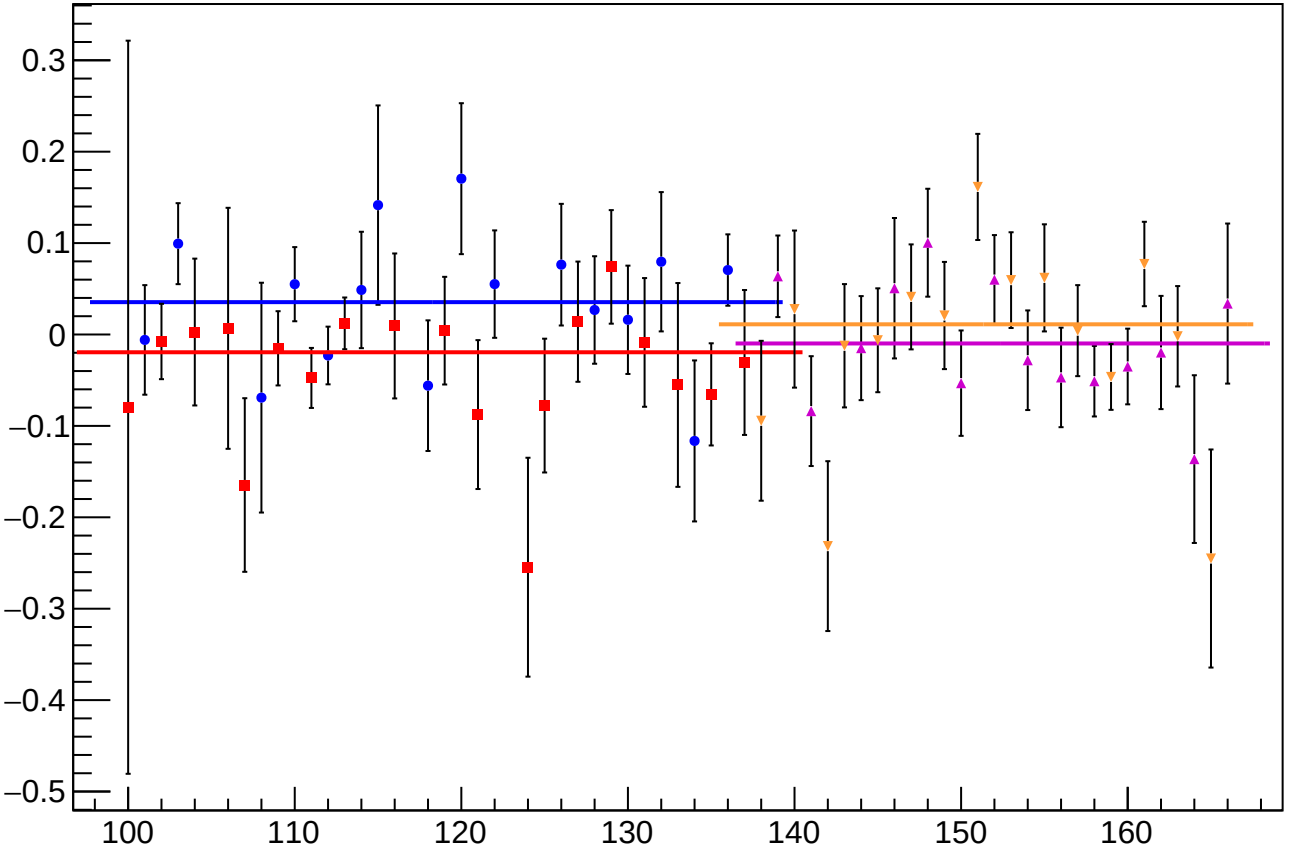
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2974707.2/29

Out: 0.000+/-0.000 χ^2/NDF:4226928.2/33

All: 0.000+/-0.000 χ^2/NDF: 7204175.9/63

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.015 χ^2/NDF:15.2/13

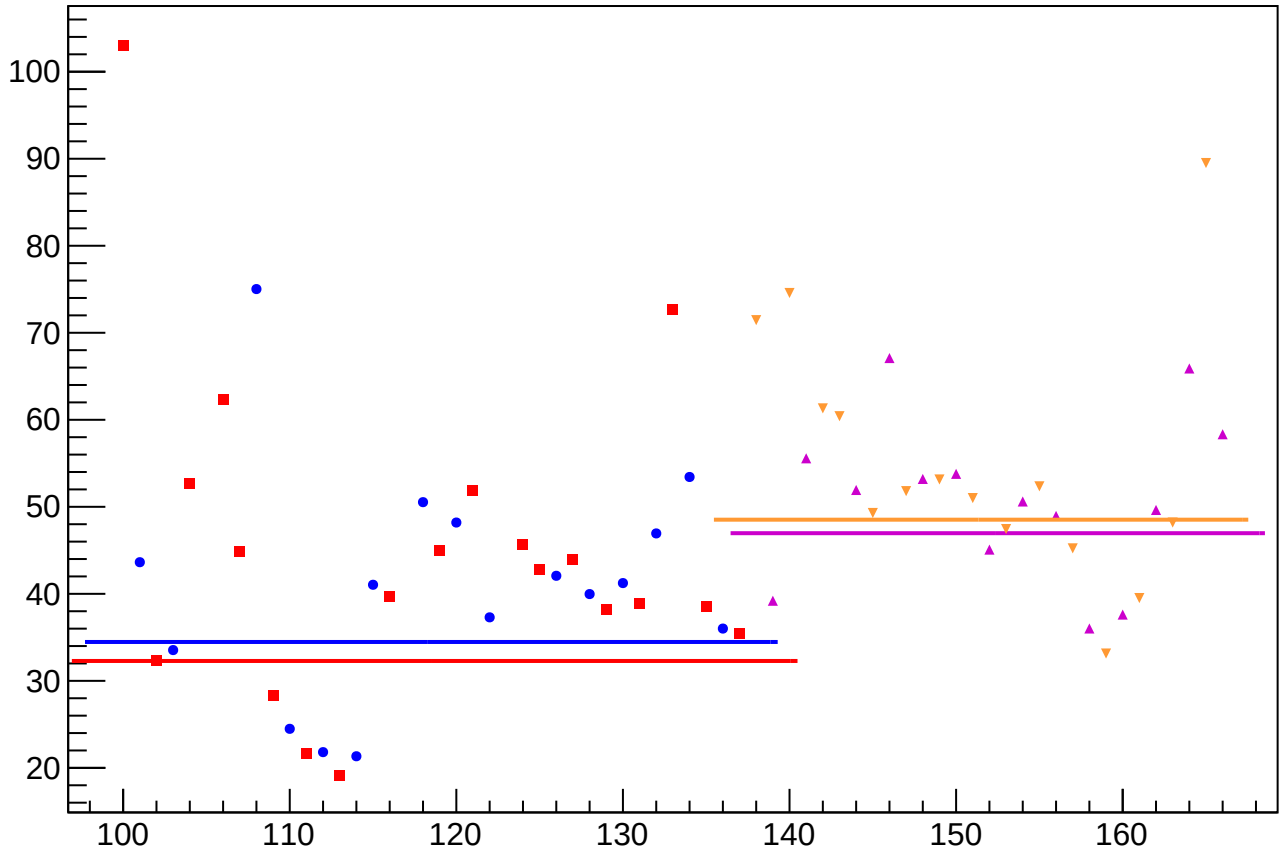
Left: 0.000+/-0.010 χ^2/NDF: 42.7/28

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/29

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.004+/-0.007 χ^2/NDF: 81.4/63



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.522+/-0.011 χ^2/NDF:1139955.8/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.968+/-0.010 χ^2/NDF:704576.0/13

Left: 47.728+/-0.007 χ^2/NDF: 1855634.7/28

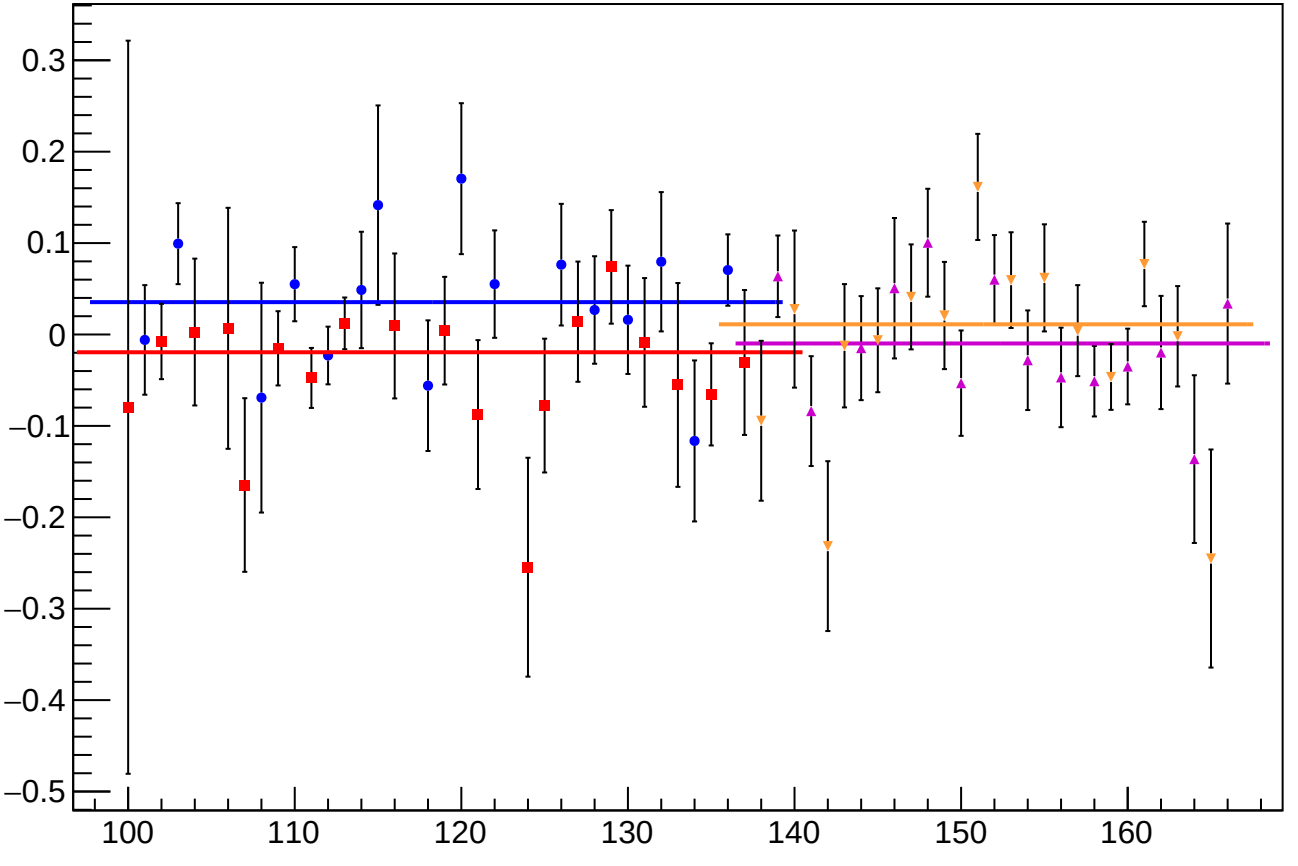
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.416+/-0.007 χ^2/NDF:2646450.8/29

Out: 39.377+/-0.007 χ^2/NDF:4150031.2/33

All: 39.886+/-0.005 χ^2/NDF: 6807374.8/63

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.015 χ^2/NDF:15.2/13

Left: 0.000+/-0.010 χ^2/NDF: 42.7/28

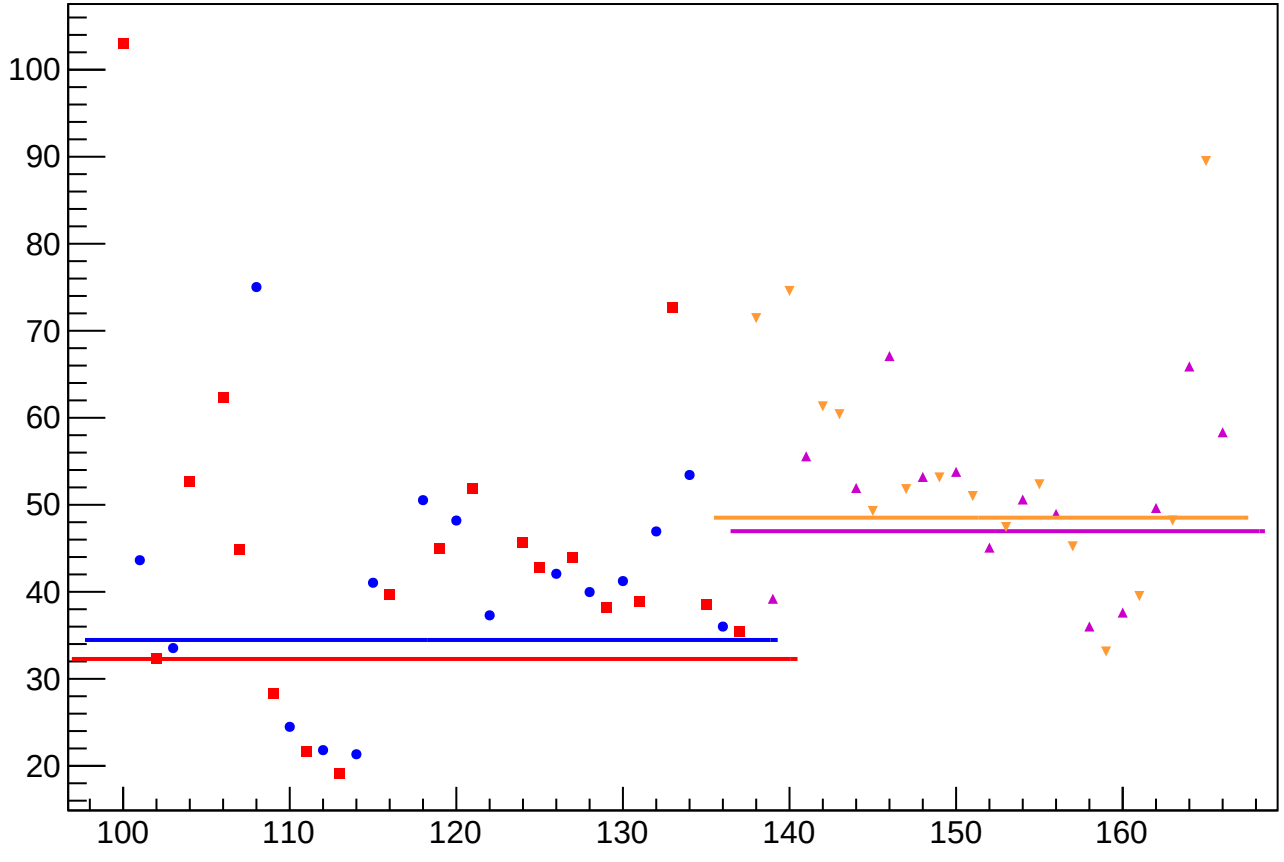
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/29

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.004+/-0.007 χ^2/NDF: 81.4/63

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.522+/-0.011 χ^2/NDF:1139955.8/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.968+/-0.010 χ^2/NDF:704576.0/13

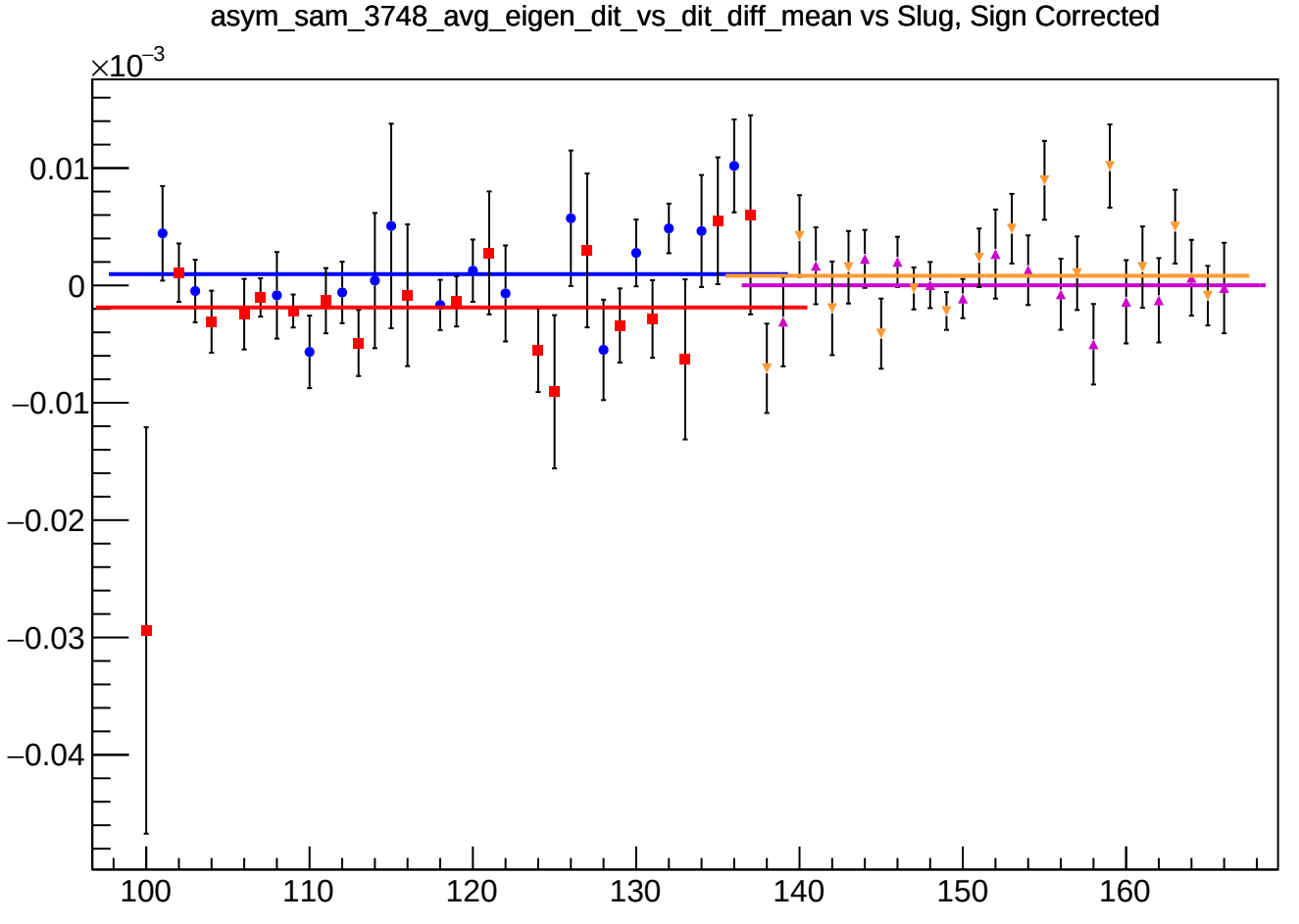
Left: 47.728+/-0.007 χ^2/NDF: 1855634.7/28

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.416+/-0.007 χ^2/NDF:2646450.8/29

Out: 39.377+/-0.007 χ^2/NDF:4150031.2/33

All: 39.886+/-0.005 χ^2/NDF: 6807374.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/13

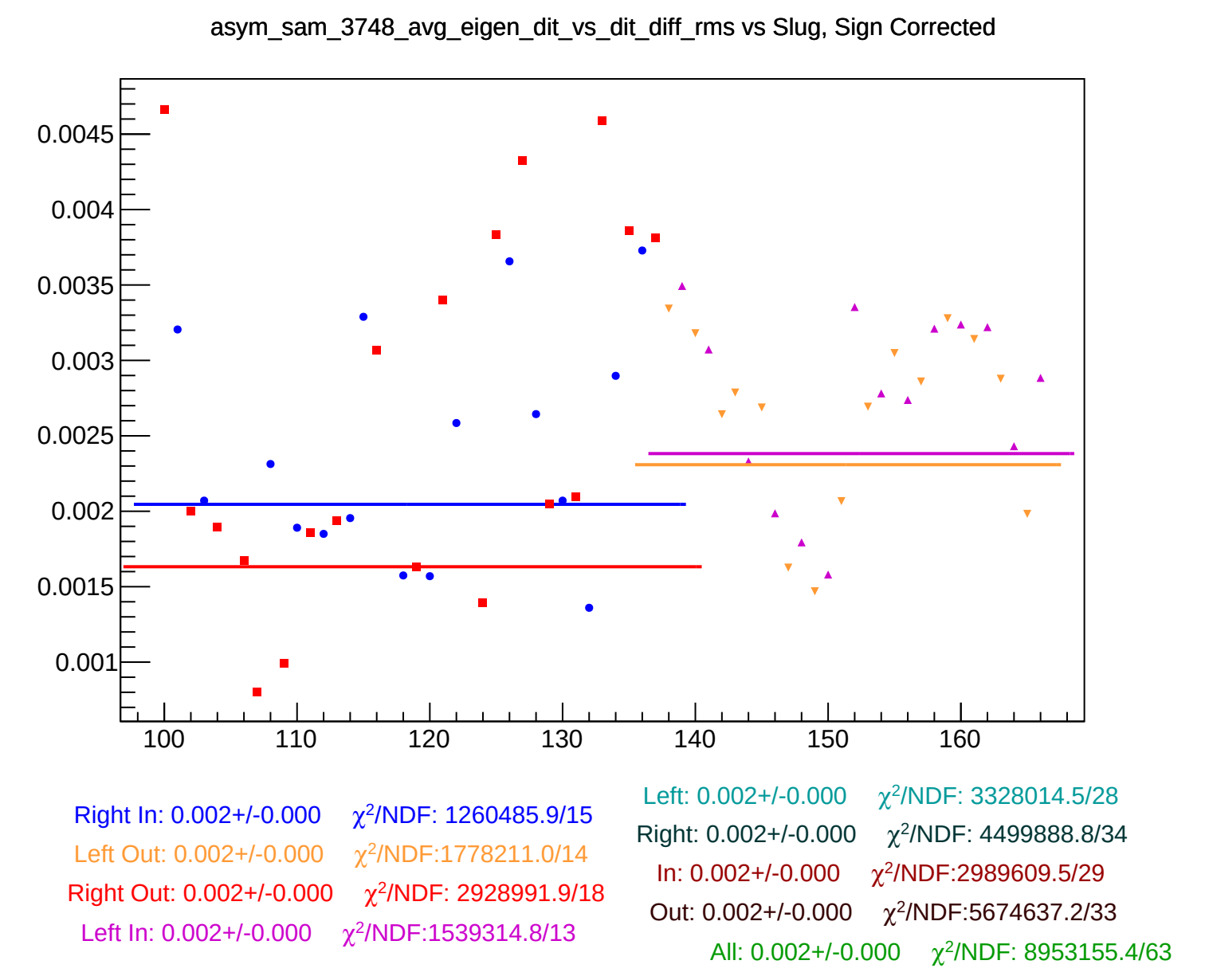
Left: 0.000+/-0.000 χ^2/NDF: 36.6/28

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

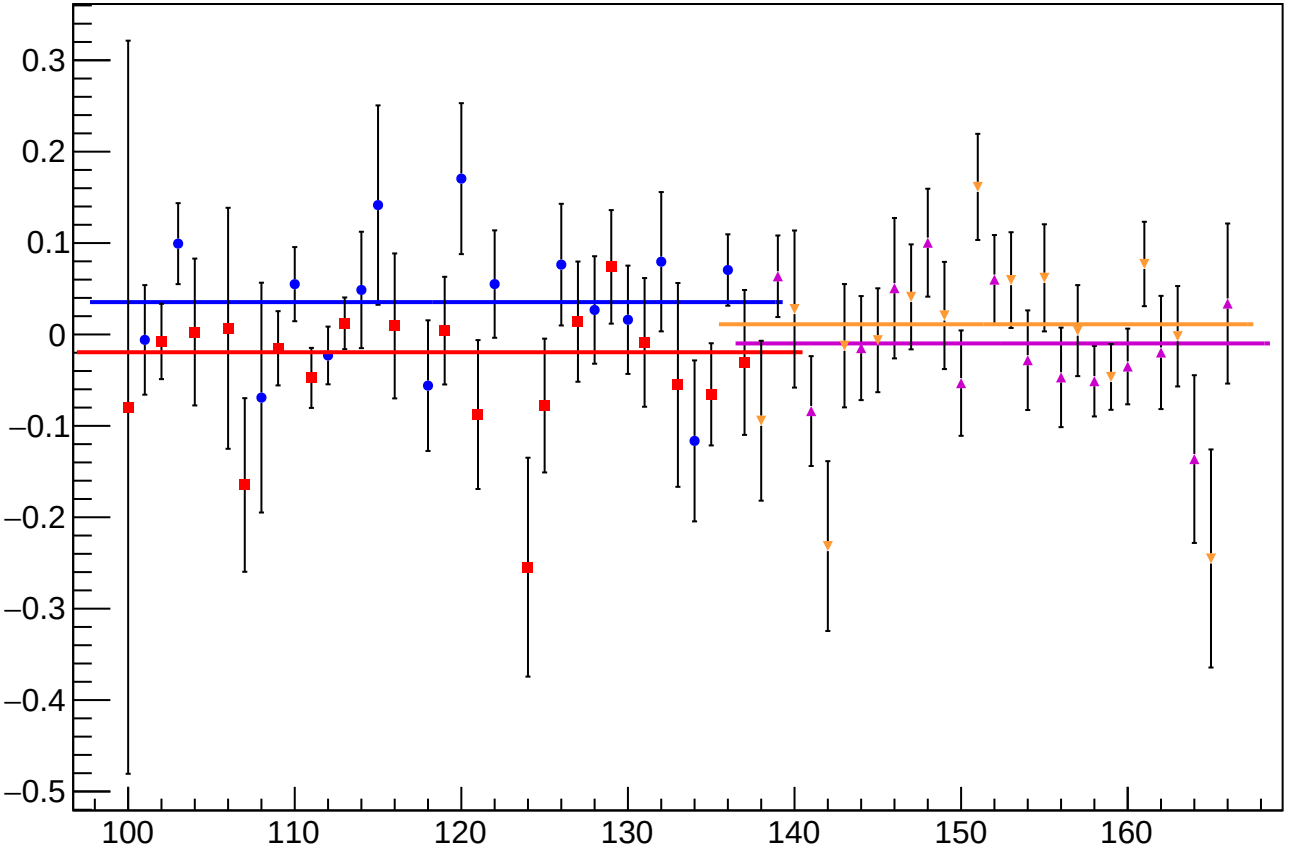
In: 0.000+/-0.000 χ^2/NDF:28.0/29

Out: -0.000+/-0.000 χ^2/NDF:50.2/33

All: -0.000+/-0.000 χ^2/NDF: 80.2/63


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1778211.0/14
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1539314.8/13
Left: 0.002+/-0.000 χ²/NDF: 3328014.5/28
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2989609.5/29
Out: 0.002+/-0.000 χ²/NDF:5674637.2/33
All: 0.002+/-0.000 χ²/NDF: 8953155.4/63

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.015 χ^2/NDF:15.2/13

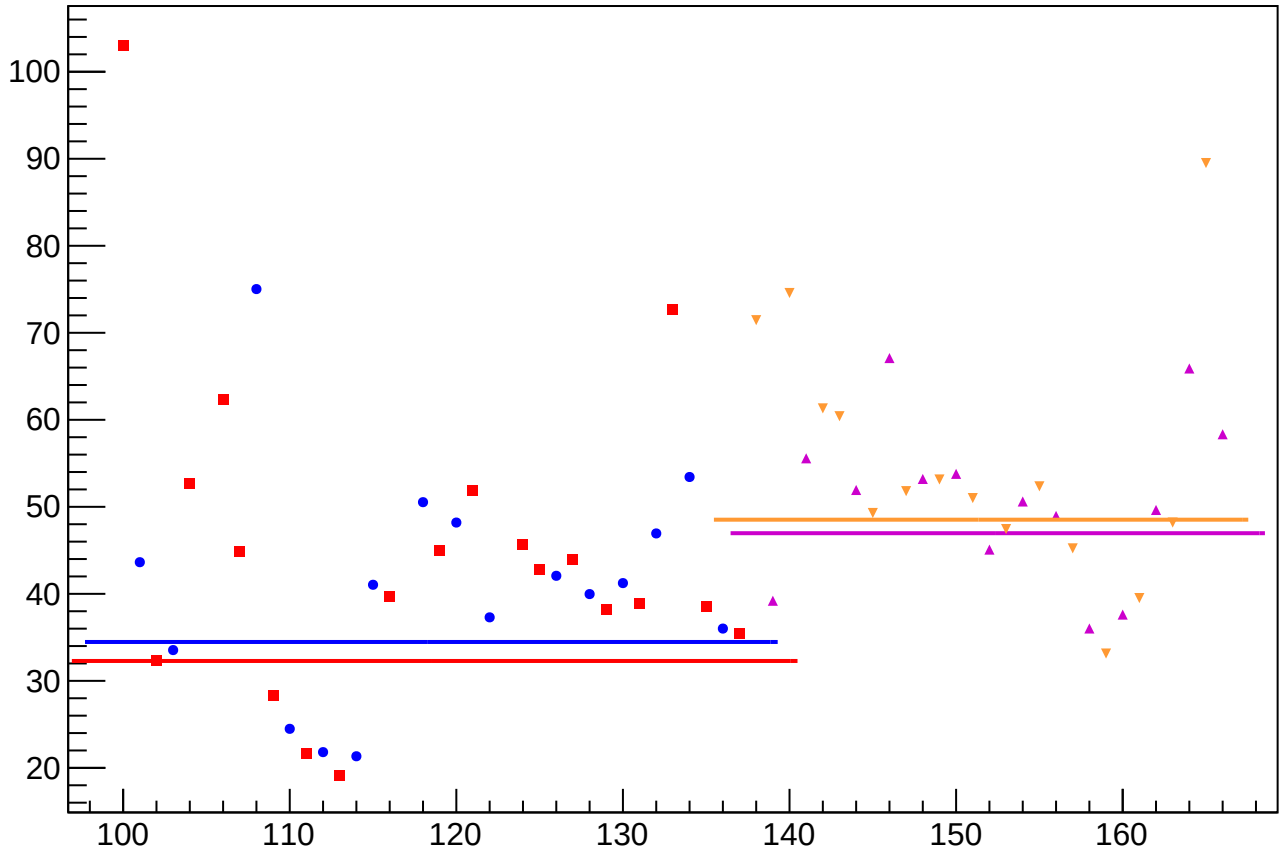
Left: 0.000+/-0.010 χ^2/NDF: 42.7/28

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/29

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.004+/-0.007 χ^2/NDF: 81.4/63



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.523+/-0.011 χ^2/NDF:1139965.5/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.969+/-0.010 χ^2/NDF:704611.5/13

Left: 47.729+/-0.007 χ^2/NDF: 1855681.5/28

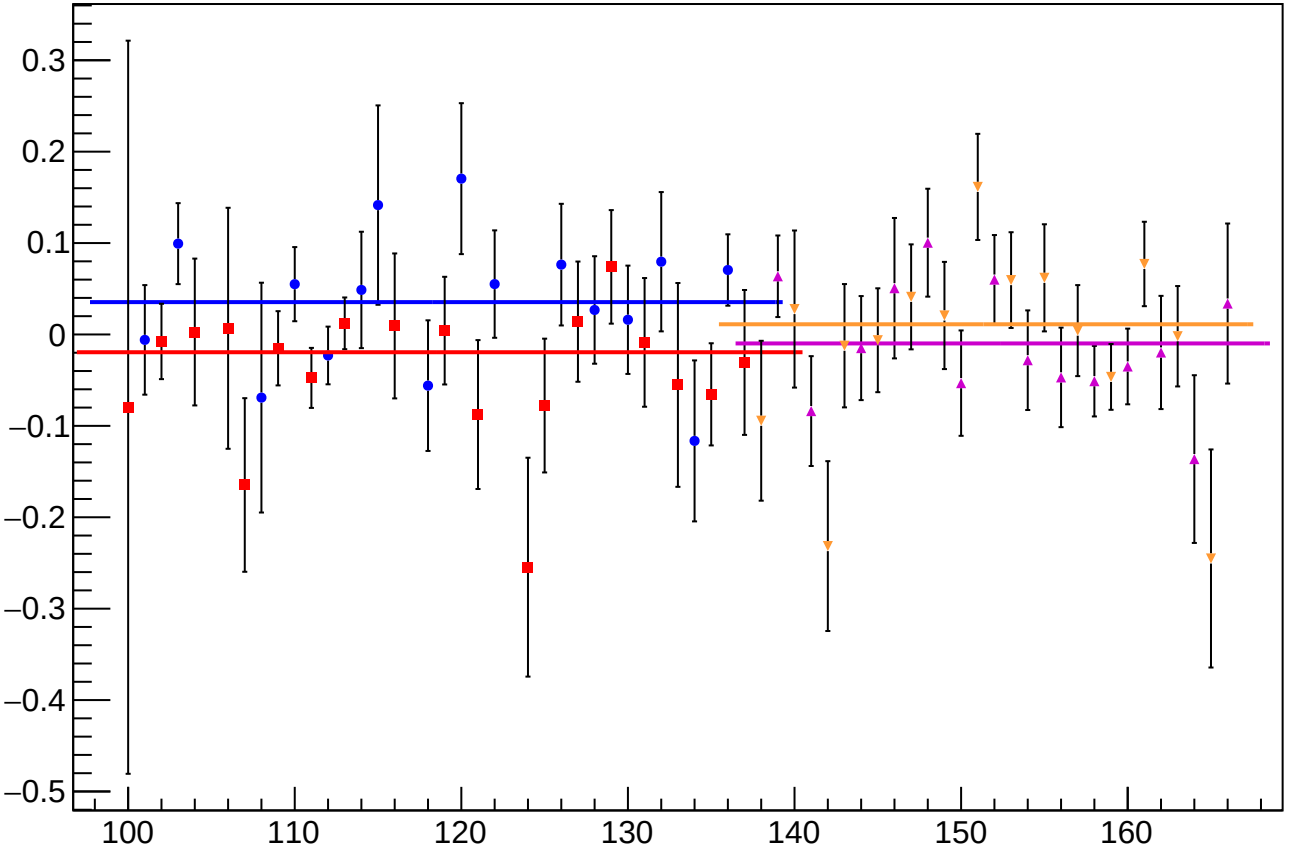
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.417+/-0.007 χ^2/NDF:2646452.1/29

Out: 39.378+/-0.007 χ^2/NDF:4150030.4/33

All: 39.886+/-0.005 χ^2/NDF: 6807374.0/63

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.010+/-0.015 χ^2/NDF:15.2/13

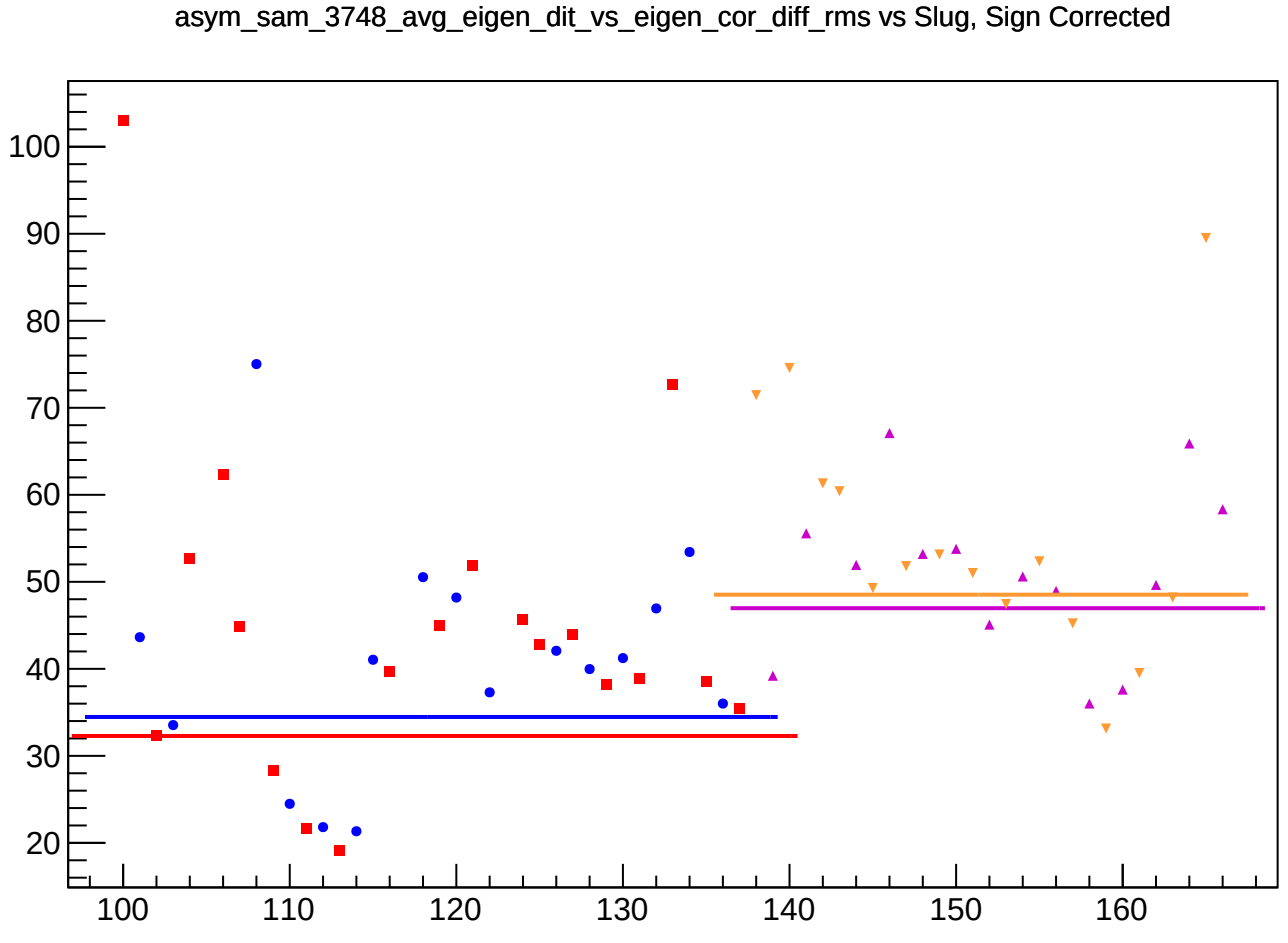
Left: 0.000+/-0.010 χ^2/NDF: 42.7/28

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/29

Out: -0.006+/-0.010 χ^2/NDF:42.2/33

All: 0.004+/-0.007 χ^2/NDF: 81.4/63



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.523+/-0.011 χ^2/NDF:1139965.5/14

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.969+/-0.010 χ^2/NDF:704611.5/13

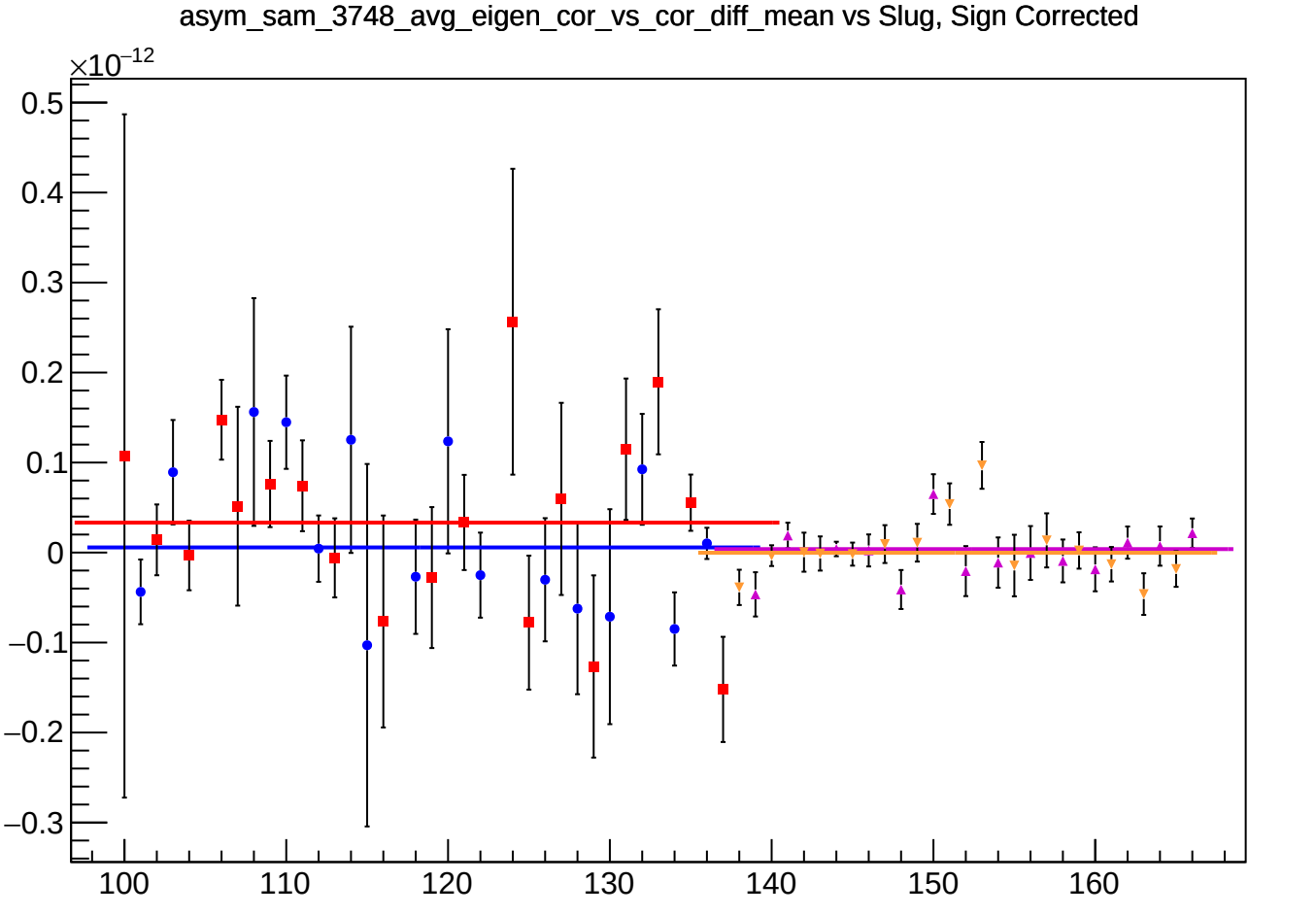
Left: 47.729+/-0.007 χ^2/NDF: 1855681.5/28

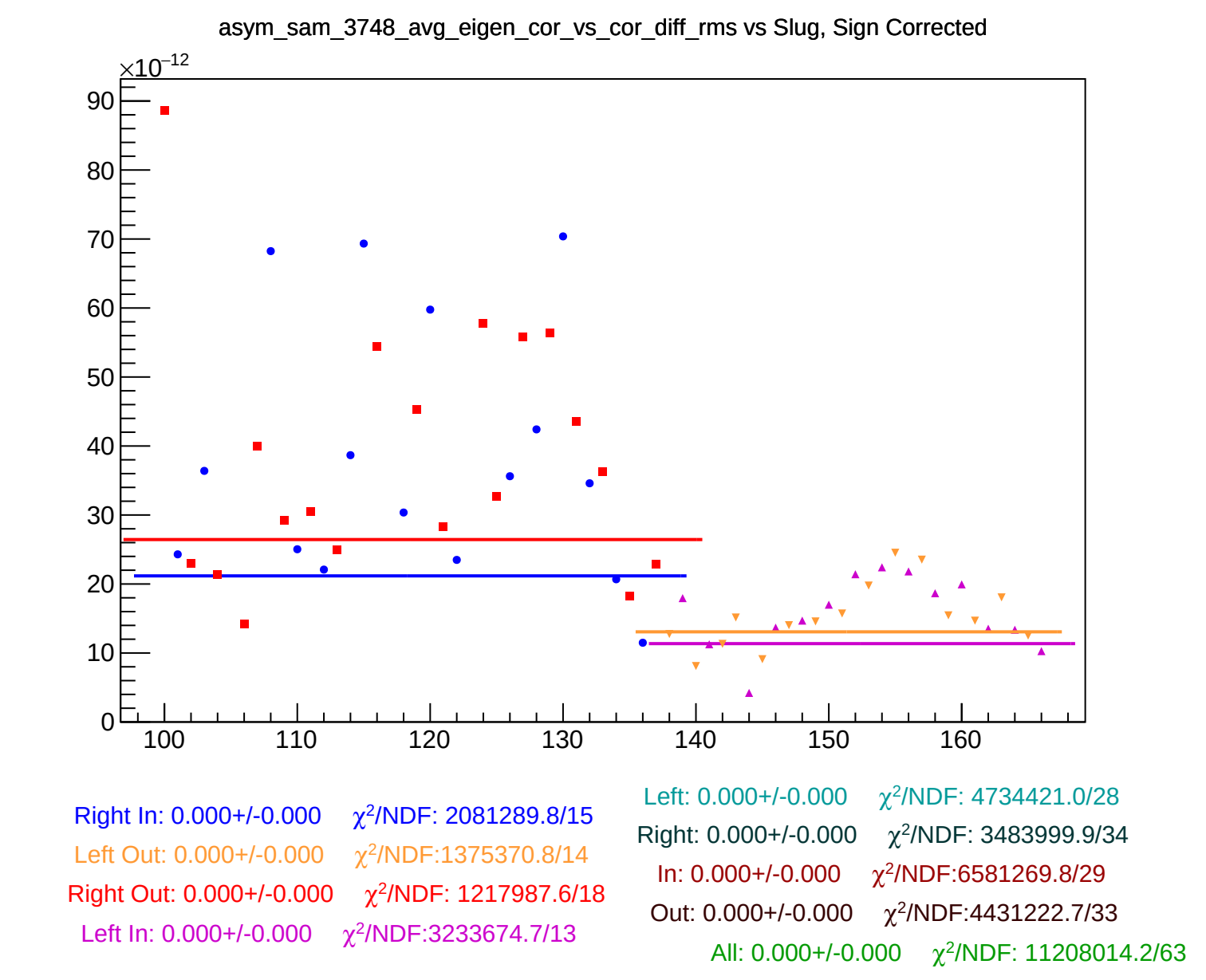
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

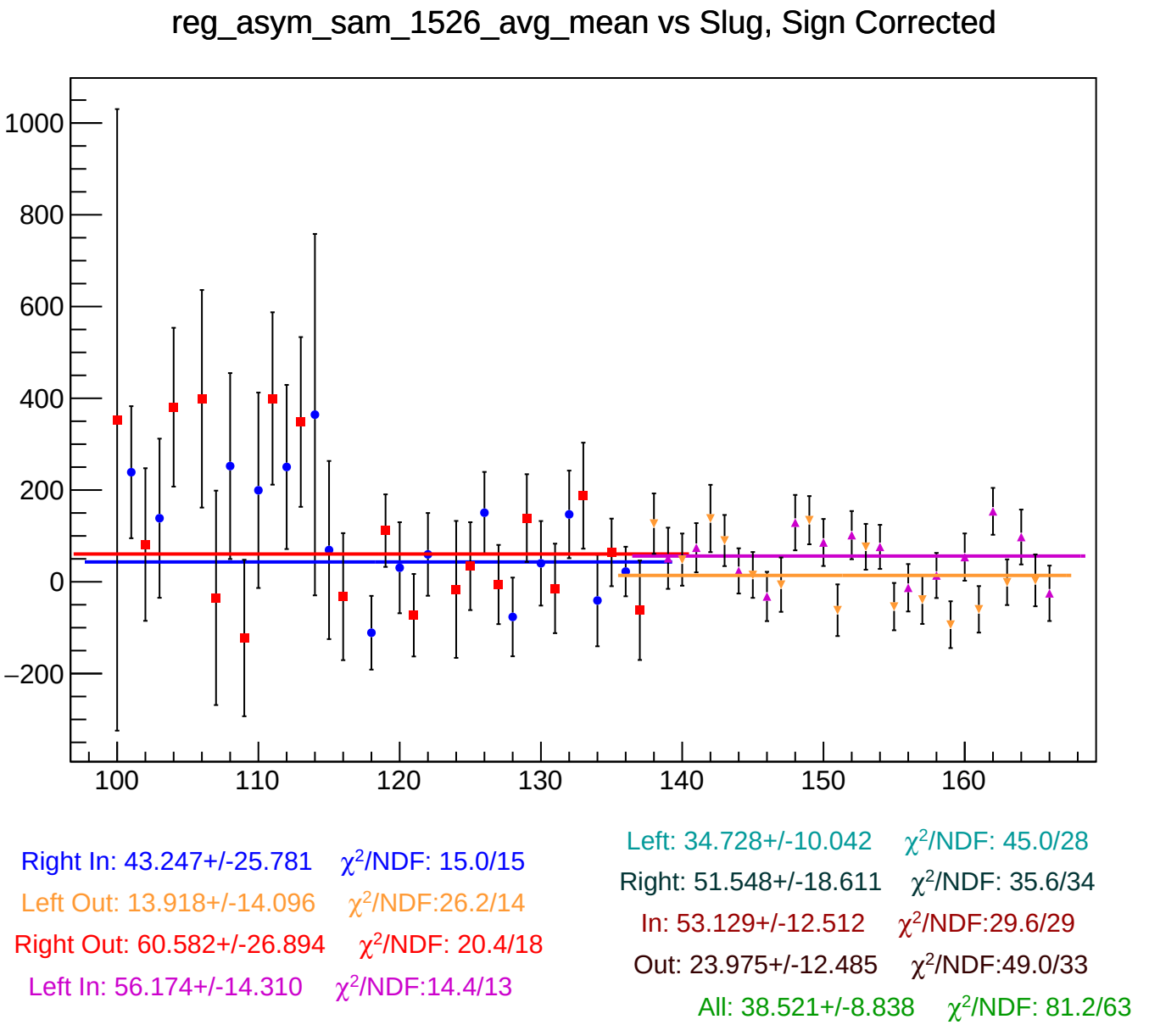
In: 40.417+/-0.007 χ^2/NDF:2646452.1/29

Out: 39.378+/-0.007 χ^2/NDF:4150030.4/33

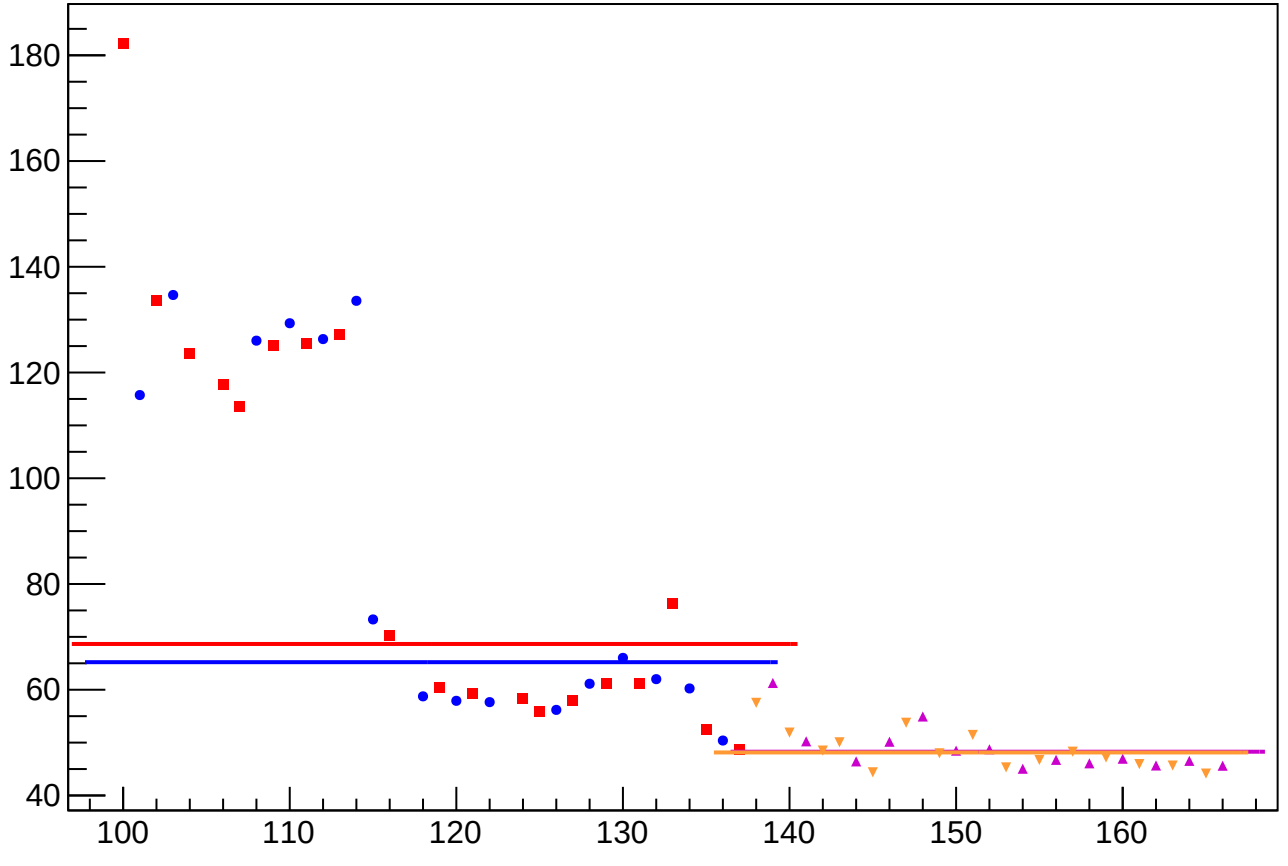
All: 39.886+/-0.005 χ^2/NDF: 6807374.0/63


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:29.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:21.0/13
Left: 0.000+/-0.000 χ²/NDF: 50.8/28
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:44.6/29
Out: 0.000+/-0.000 χ²/NDF:68.7/33
All: 0.000+/-0.000 χ²/NDF: 113.3/63


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1375370.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3233674.7/13
Left: 0.000+/-0.000 χ²/NDF: 4734421.0/28
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6581269.8/29
Out: 0.000+/-0.000 χ²/NDF:4431222.7/33
All: 0.000+/-0.000 χ²/NDF: 11208014.2/63


reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
100
110
120
130
140
150
160
Right In: 43.247+/-25.781 χ²/NDF: 15.0/15
Left Out: 13.918+/-14.096 χ²/NDF:26.2/14
Right Out: 60.582+/-26.894 χ²/NDF: 20.4/18
Left In: 56.174+/-14.310 χ²/NDF:14.4/13
Left: 34.728+/-10.042 χ²/NDF: 45.0/28
Right: 51.548+/-18.611 χ²/NDF: 35.6/34
In: 53.129+/-12.512 χ²/NDF:29.6/29
Out: 23.975+/-12.485 χ²/NDF:49.0/33
All: 38.521+/-8.838 χ²/NDF: 81.2/63

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

Left: 48.207+/-0.007 χ^2/NDF: 250827.1/28

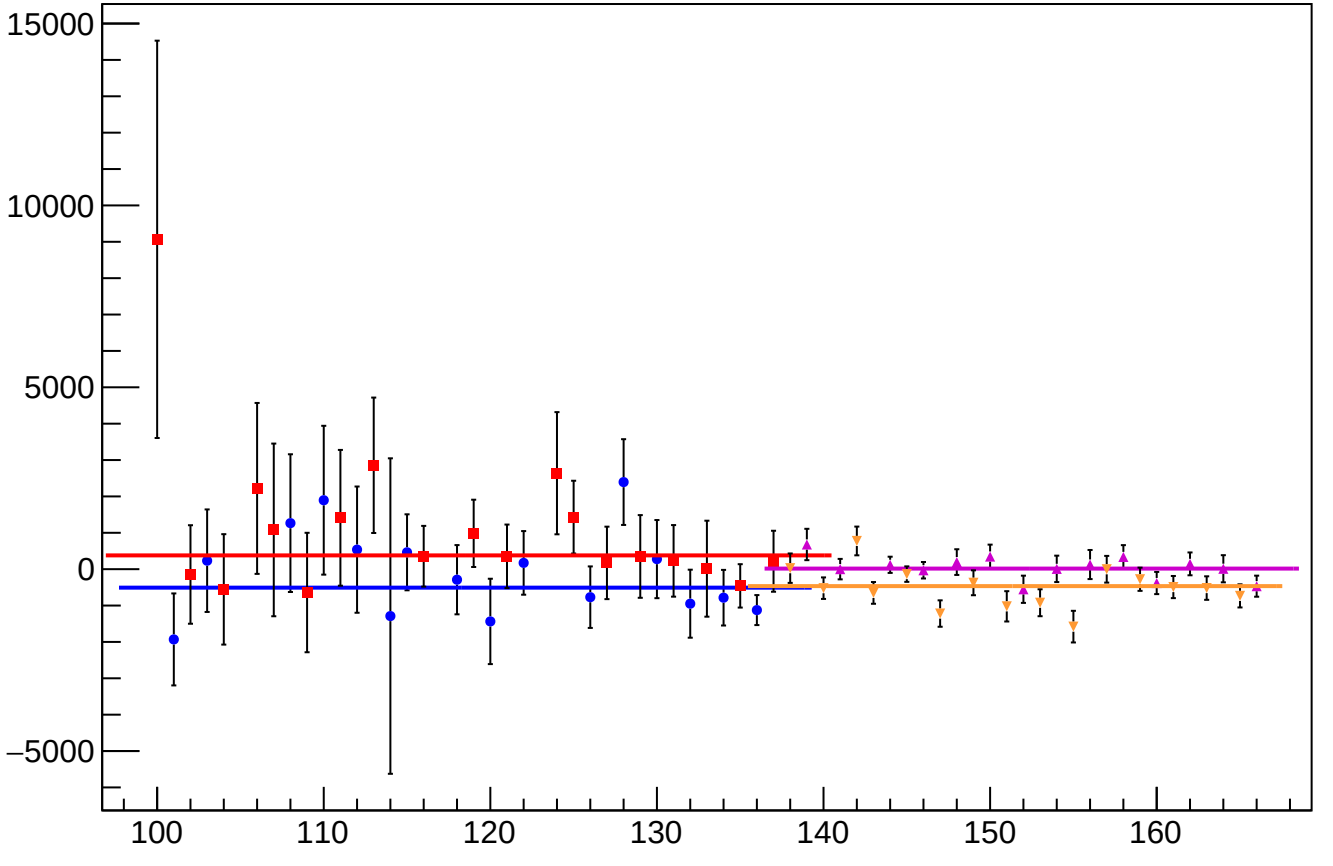
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 52.265+/-0.009 χ^2/NDF:2241529.6/29

Out: 52.561+/-0.009 χ^2/NDF:2669580.4/33

All: 52.413+/-0.006 χ^2/NDF: 4911667.9/63

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.793+/-84.777 χ^2/NDF:31.1/14

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 15.913+/-82.896 χ^2/NDF:11.9/13

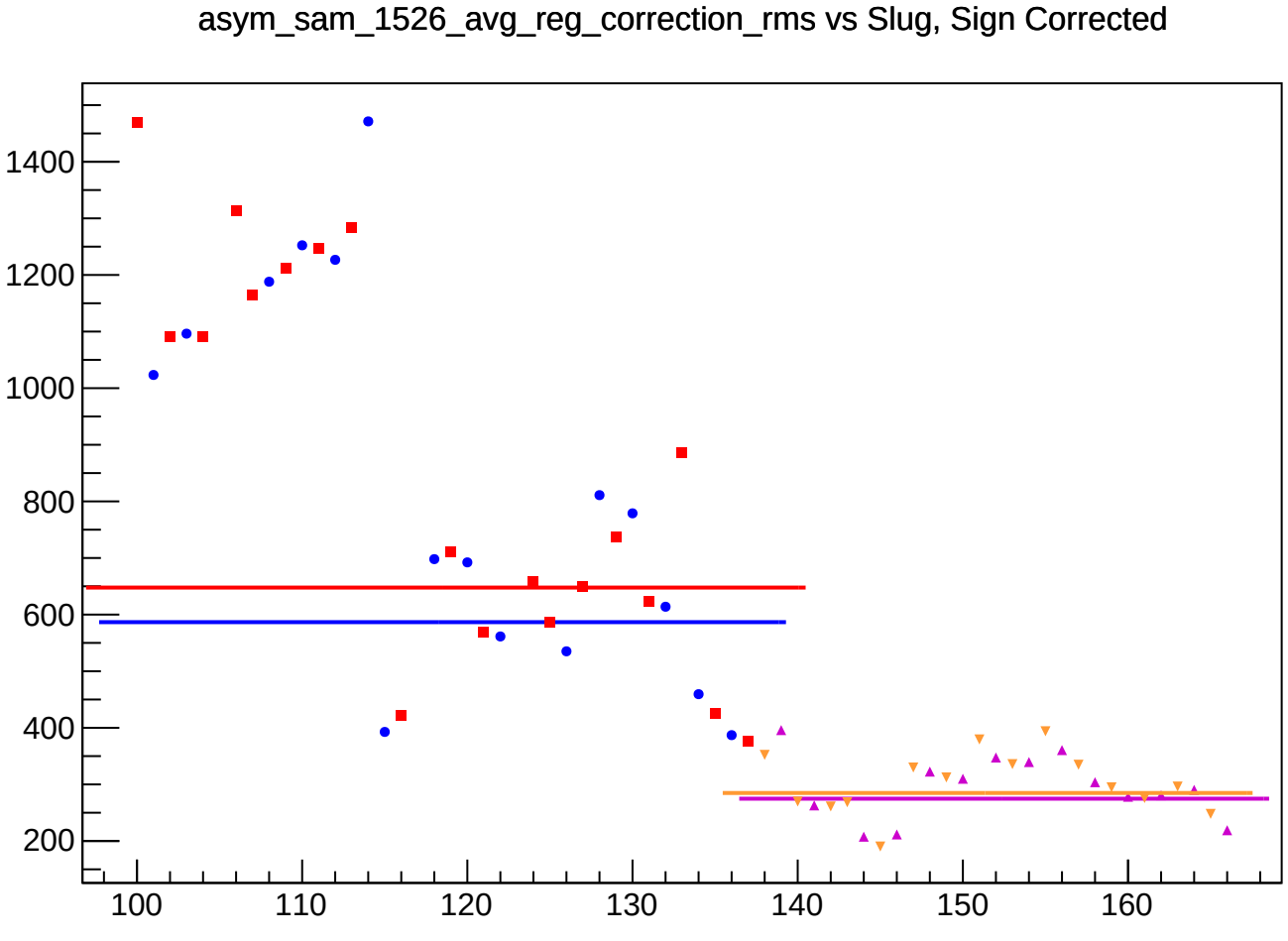
Left: -219.537+/-59.270 χ^2/NDF: 59.6/28

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -41.212+/-78.246 χ^2/NDF:31.9/29

Out: -382.553+/-80.492 χ^2/NDF:52.6/33

All: -207.054+/-56.105 χ^2/NDF: 93.8/63



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 284.877+/-0.060 χ^2/NDF:848639.7/14

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 274.781+/-0.059 χ^2/NDF:884848.7/13

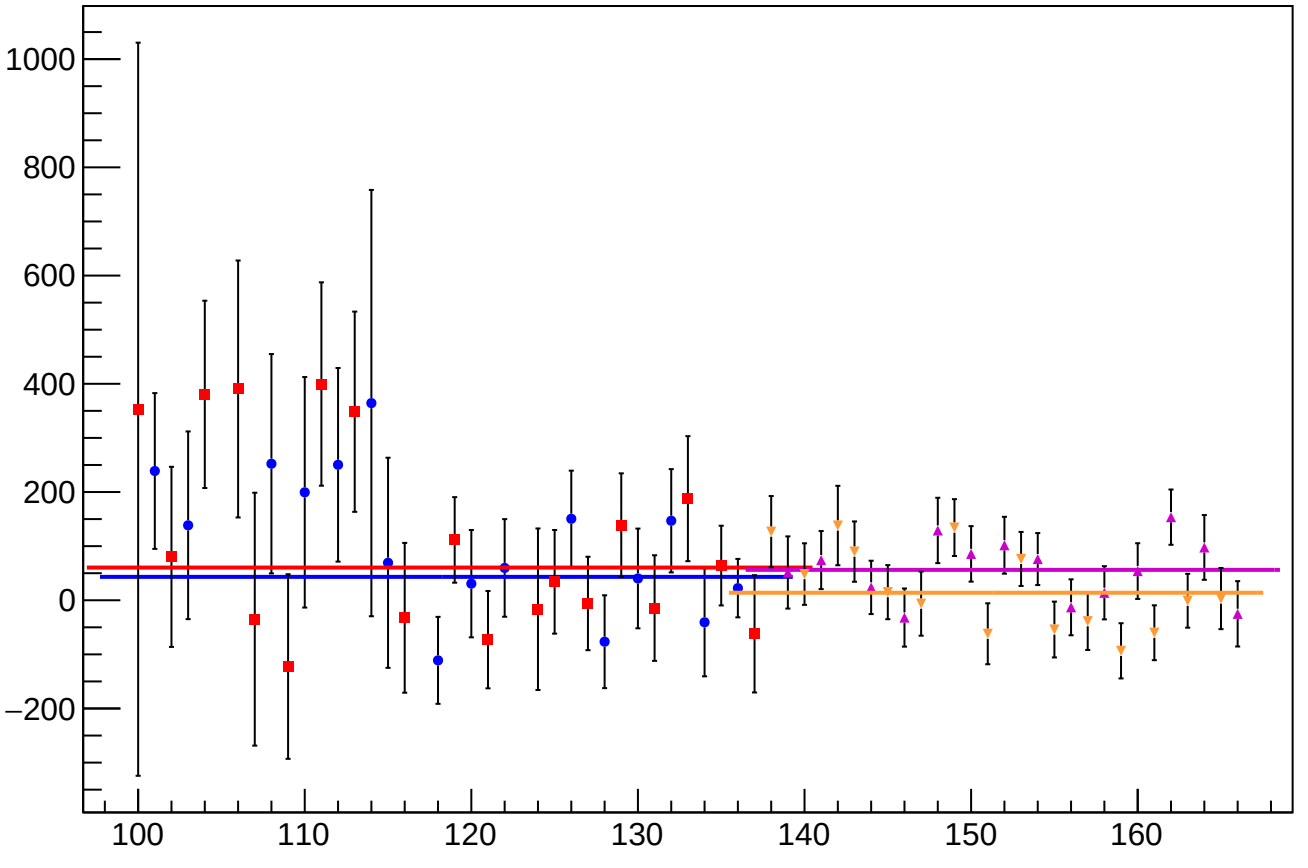
Left: 279.716+/-0.042 χ^2/NDF: 1747988.7/28

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 308.790+/-0.055 χ^2/NDF:6024862.4/29

Out: 320.636+/-0.057 χ^2/NDF:6564957.4/33

All: 314.545+/-0.040 χ^2/NDF: 12612089.9/63



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 56.173+/-14.310 χ^2/NDF:14.4/13

Left: 34.728+/-10.042 χ^2/NDF: 45.0/28

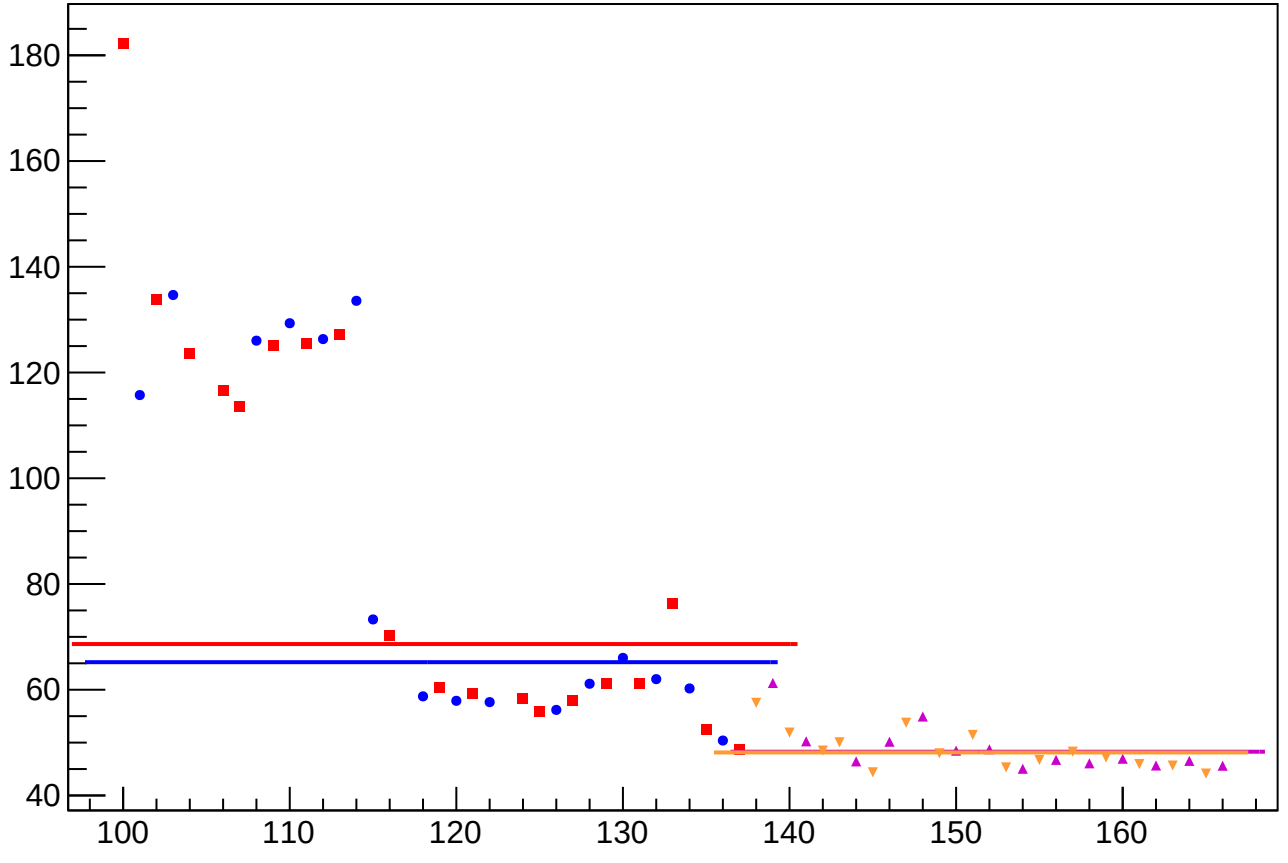
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.127+/-12.512 χ^2/NDF:29.6/29

Out: 23.943+/-12.485 χ^2/NDF:48.8/33

All: 38.504+/-8.838 χ^2/NDF: 81.1/63

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

Left: 48.207+/-0.007 χ^2/NDF: 250827.0/28

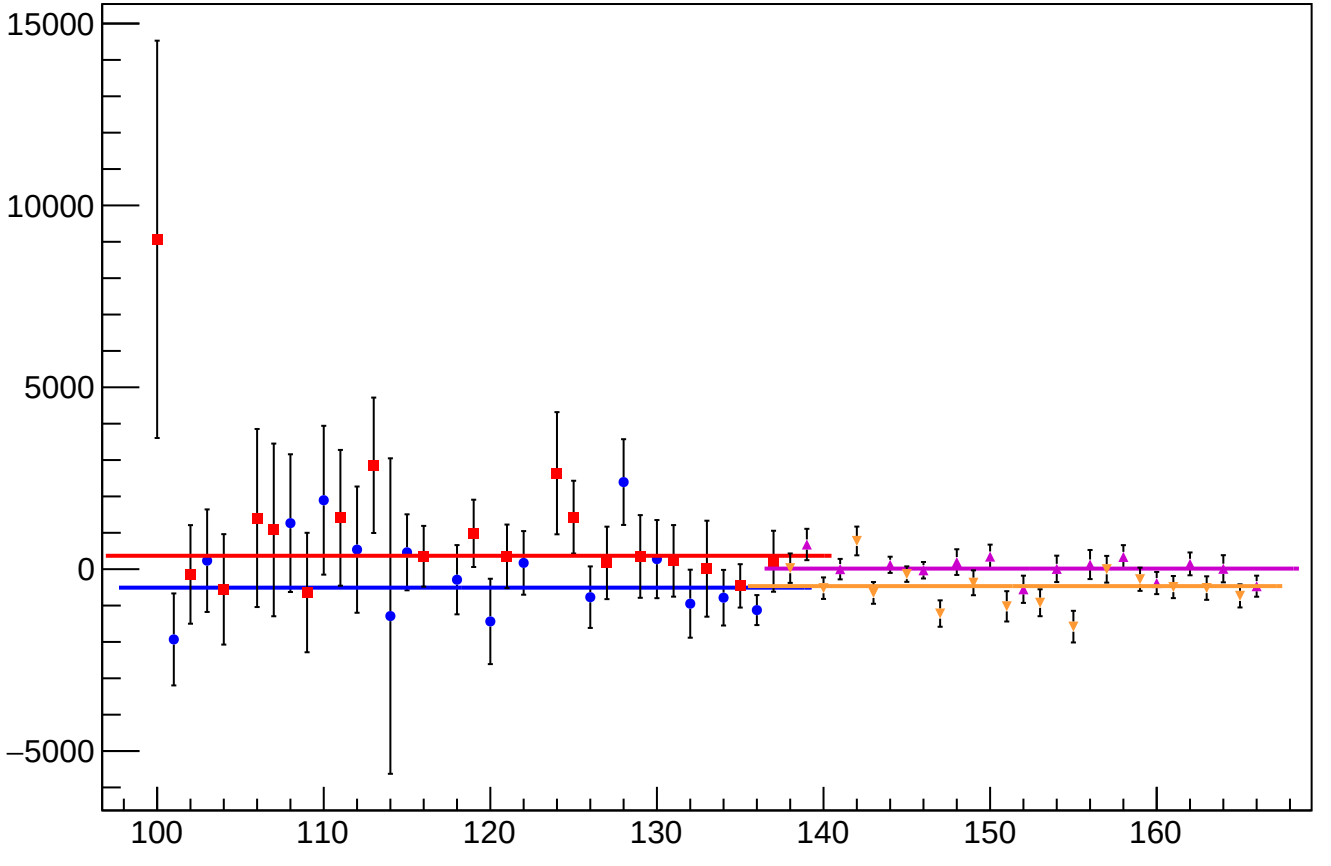
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.265+/-0.009 χ^2/NDF:2241531.7/29

Out: 52.557+/-0.009 χ^2/NDF:2664913.8/33

All: 52.412+/-0.006 χ^2/NDF: 4906991.0/63

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.790+/-84.777 χ^2/NDF:31.1/14

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 15.912+/-82.896 χ^2/NDF:11.9/13

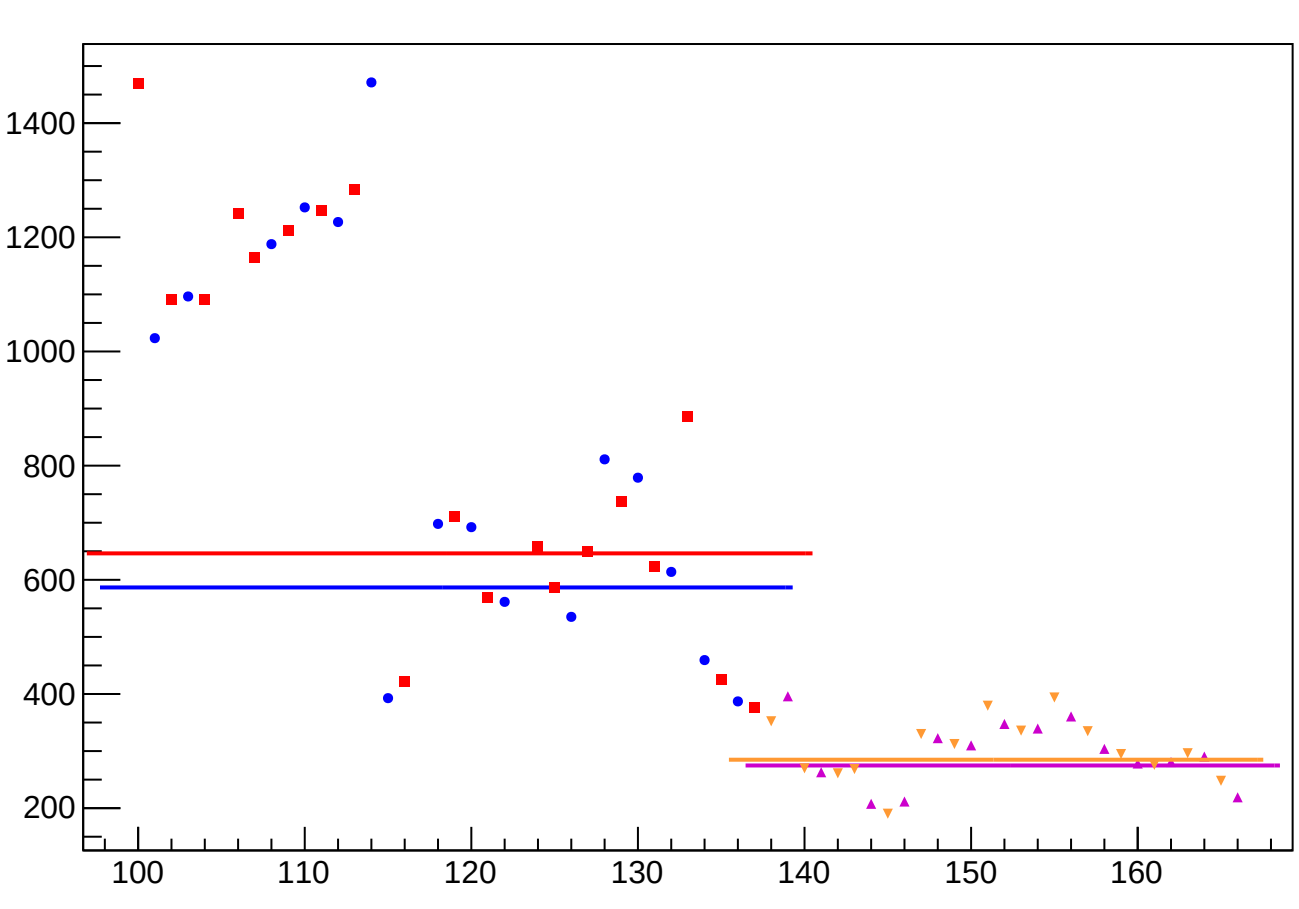
Left: -219.536+/-59.270 χ^2/NDF: 59.6/28

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -41.211+/-78.246 χ^2/NDF:31.9/29

Out: -383.664+/-80.495 χ^2/NDF:52.0/33

All: -207.585+/-56.107 χ^2/NDF: 93.2/63



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 274.781+/-0.059 χ^2/NDF:884845.9/13

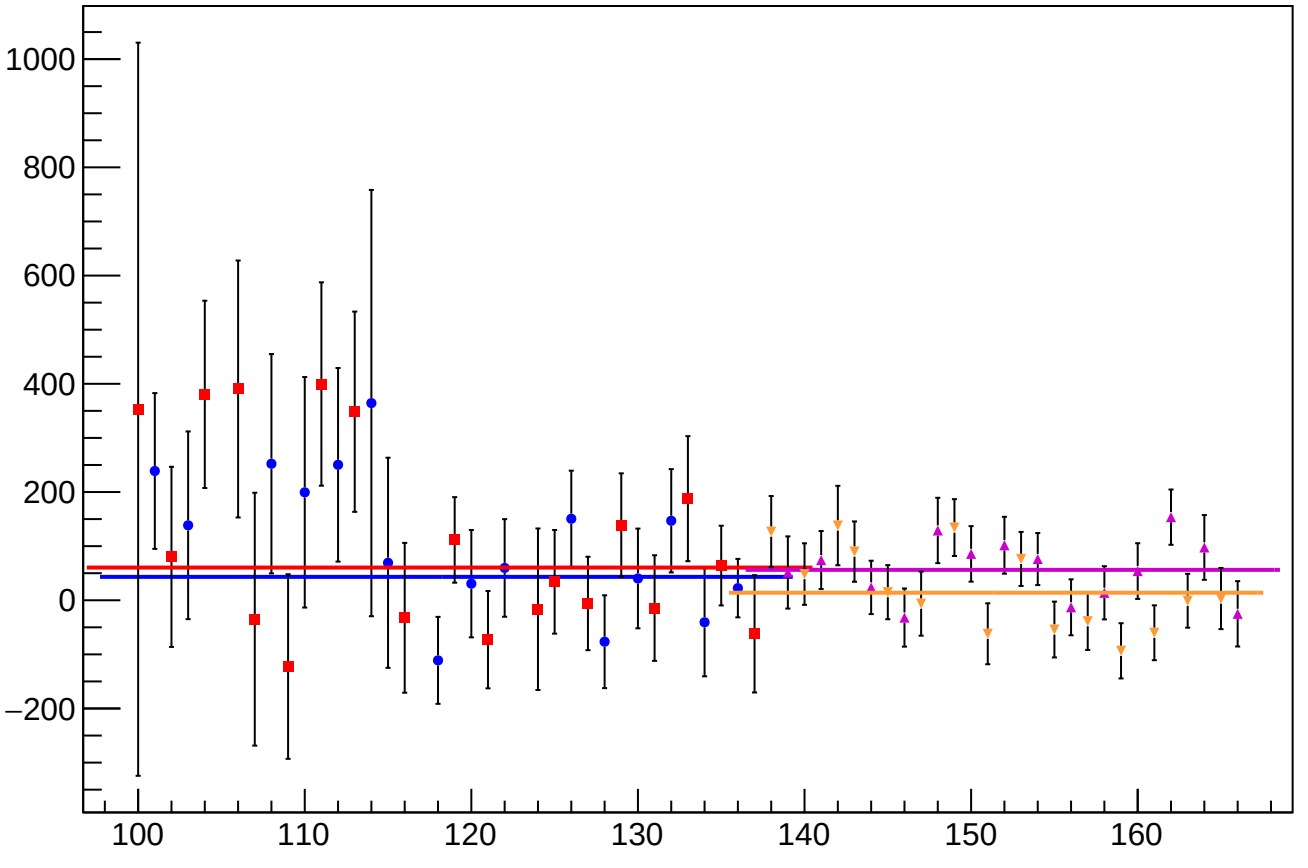
Left: 279.716+/-0.042 χ^2/NDF: 1747989.4/28

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 308.790+/-0.055 χ^2/NDF:6024882.1/29

Out: 320.465+/-0.057 χ^2/NDF:6491347.8/33

All: 314.462+/-0.040 χ^2/NDF: 12537862.3/63



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 56.173+/-14.310 χ^2/NDF:14.4/13

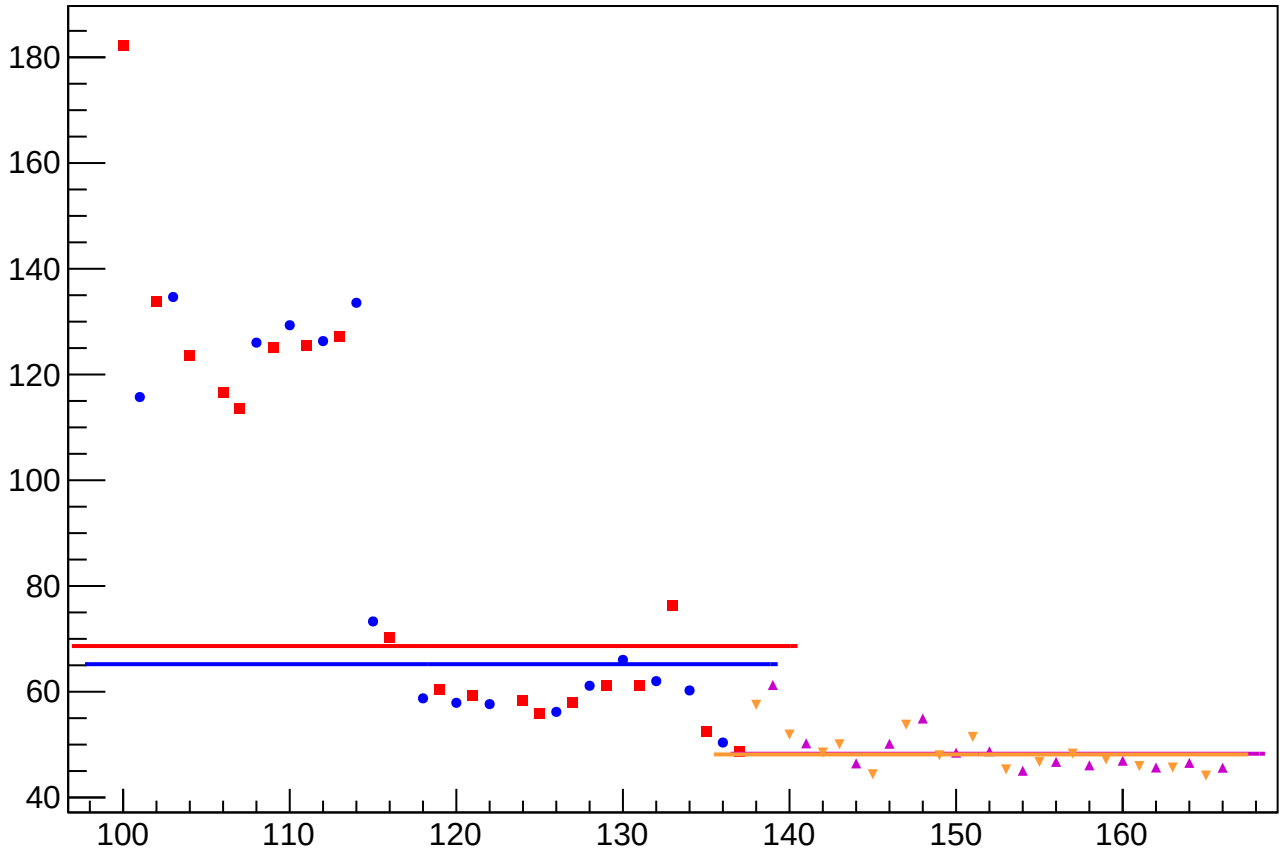
Left: 34.728+/-10.042 χ^2/NDF: 45.0/28

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.127+/-12.512 χ^2/NDF:29.6/29

Out: 23.943+/-12.485 χ^2/NDF:48.8/33

All: 38.504+/-8.838 χ^2/NDF: 81.1/63



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.276+/-0.010 χ^2/NDF:135200.9/13

Left: 48.207+/-0.007 χ^2/NDF: 250827.0/28

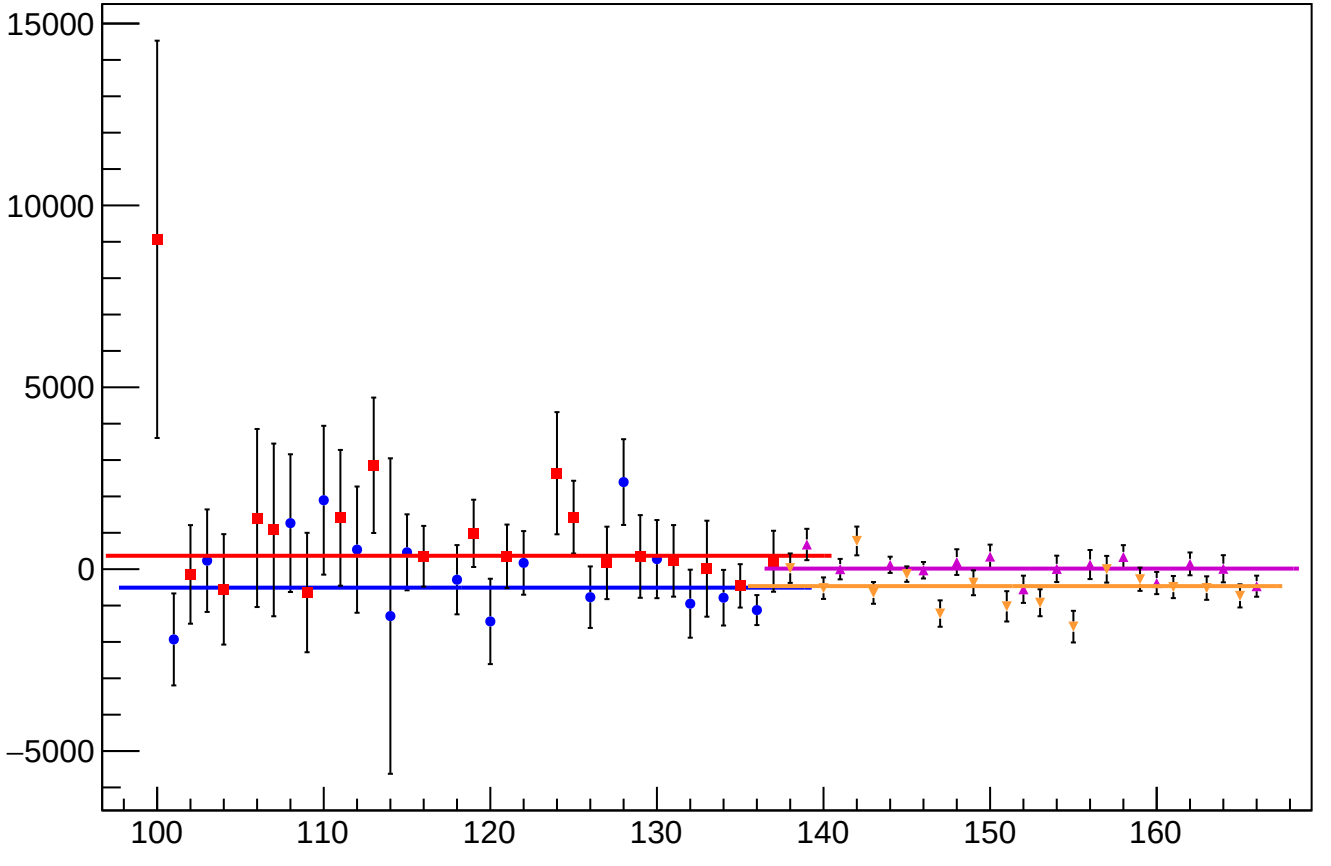
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.265+/-0.009 χ^2/NDF:2241531.7/29

Out: 52.557+/-0.009 χ^2/NDF:2664913.8/33

All: 52.412+/-0.006 χ^2/NDF: 4906991.0/63

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.790+/-84.777 χ^2/NDF:31.1/14

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 15.912+/-82.896 χ^2/NDF:11.9/13

Left: -219.536+/-59.270 χ^2/NDF: 59.6/28

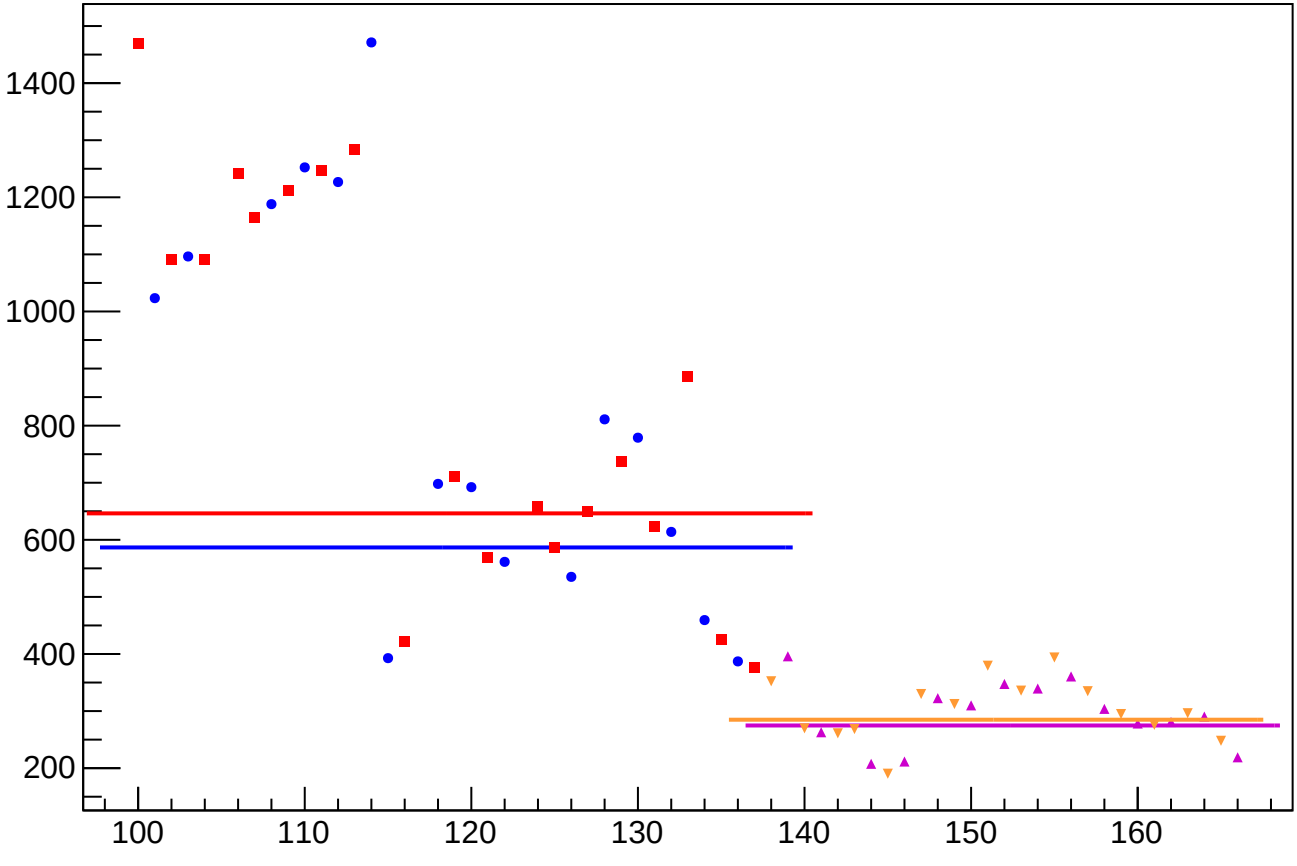
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -41.211+/-78.246 χ^2/NDF:31.9/29

Out: -383.664+/-80.495 χ^2/NDF:52.0/33

All: -207.585+/-56.107 χ^2/NDF: 93.2/63

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 274.781+/-0.059 χ^2/NDF:884845.9/13

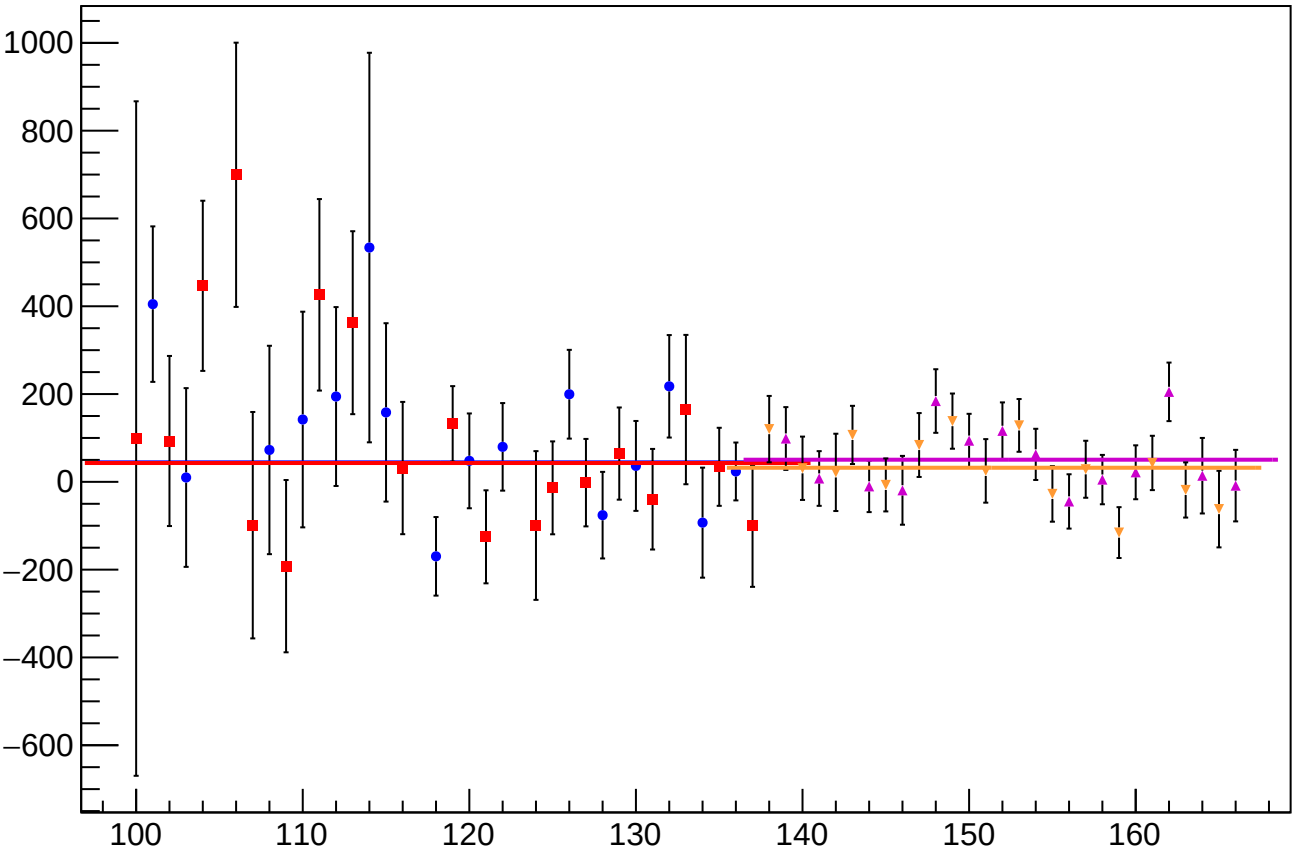
Left: 279.716+/-0.042 χ^2/NDF: 1747989.4/28

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 308.790+/-0.055 χ^2/NDF:6024882.1/29

Out: 320.465+/-0.057 χ^2/NDF:6491347.8/33

All: 314.462+/-0.040 χ^2/NDF: 12537862.3/63



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 50.432+/-17.542 χ^2/NDF:17.1/13

Left: 41.152+/-12.321 χ^2/NDF: 35.9/28

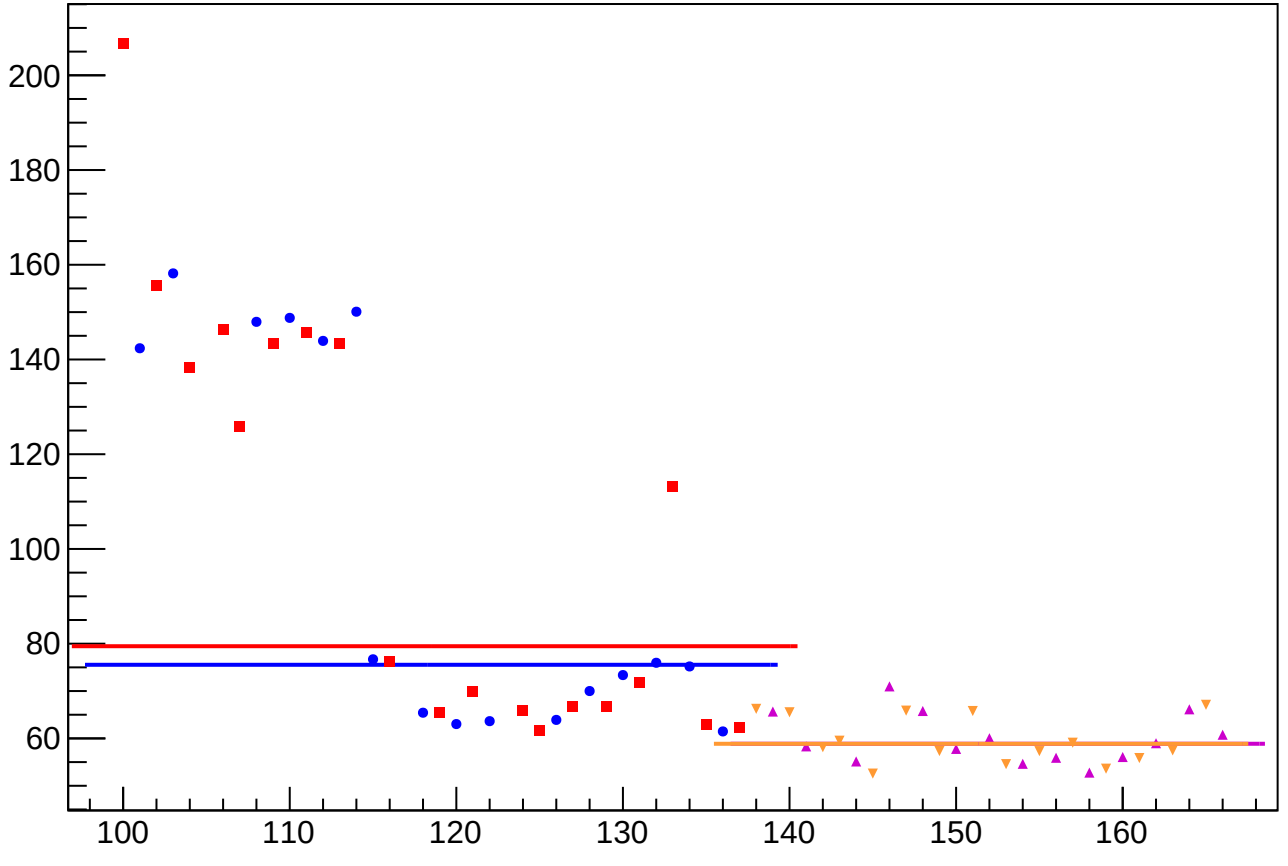
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 48.885+/-15.131 χ^2/NDF:36.7/29

Out: 34.649+/-15.141 χ^2/NDF:41.6/33

All: 41.772+/-10.703 χ^2/NDF: 78.8/63

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.866+/-0.012 χ^2/NDF:147507.5/14

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.870+/-0.012 χ^2/NDF:151692.3/13

Left: 58.868+/-0.009 χ^2/NDF: 299199.9/28

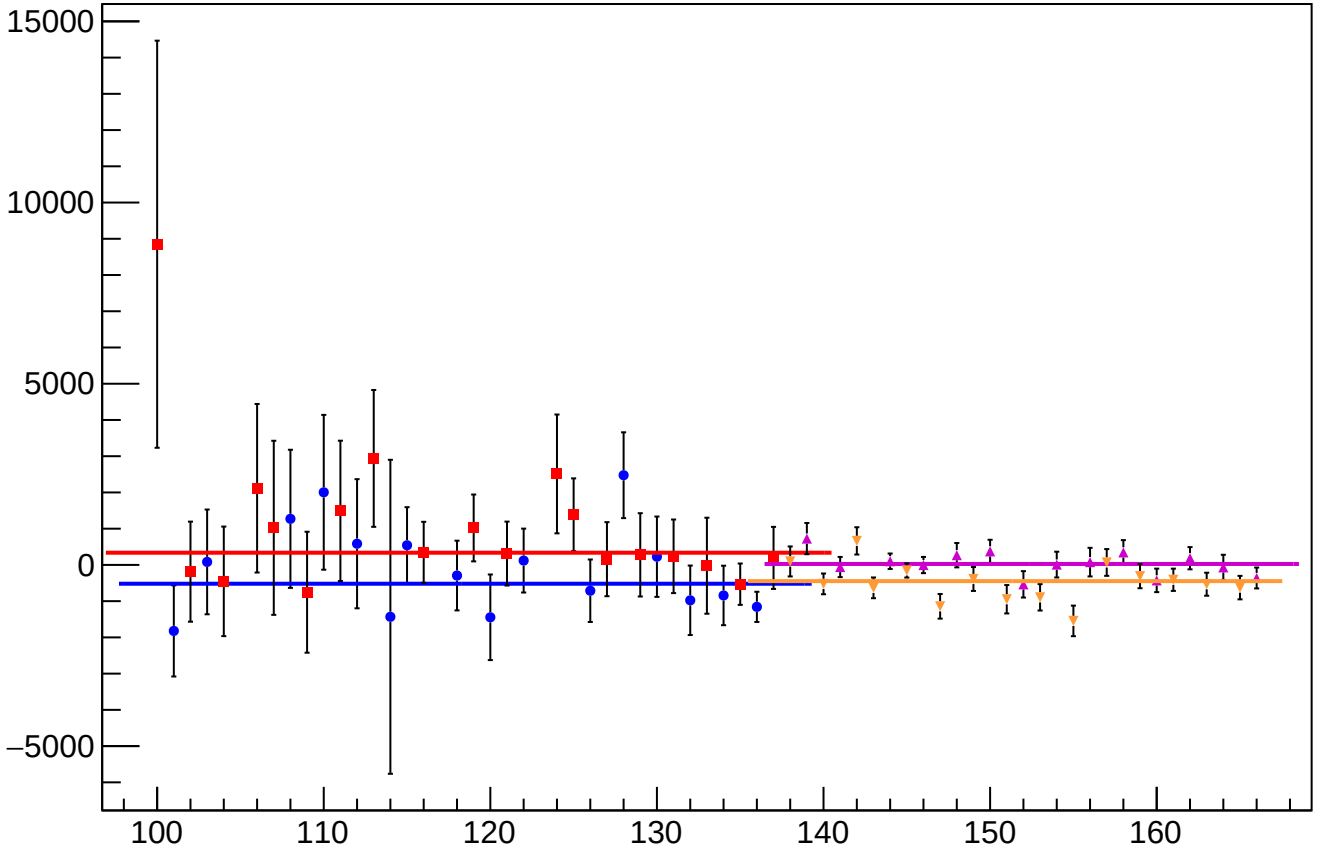
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.138+/-0.011 χ^2/NDF:2079744.7/29

Out: 63.703+/-0.011 χ^2/NDF:2496188.8/33

All: 63.420+/-0.008 χ^2/NDF: 4577325.1/63

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -447.238+/-82.444 χ^2/NDF:29.8/14

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 26.032+/-81.695 χ^2/NDF:12.0/13

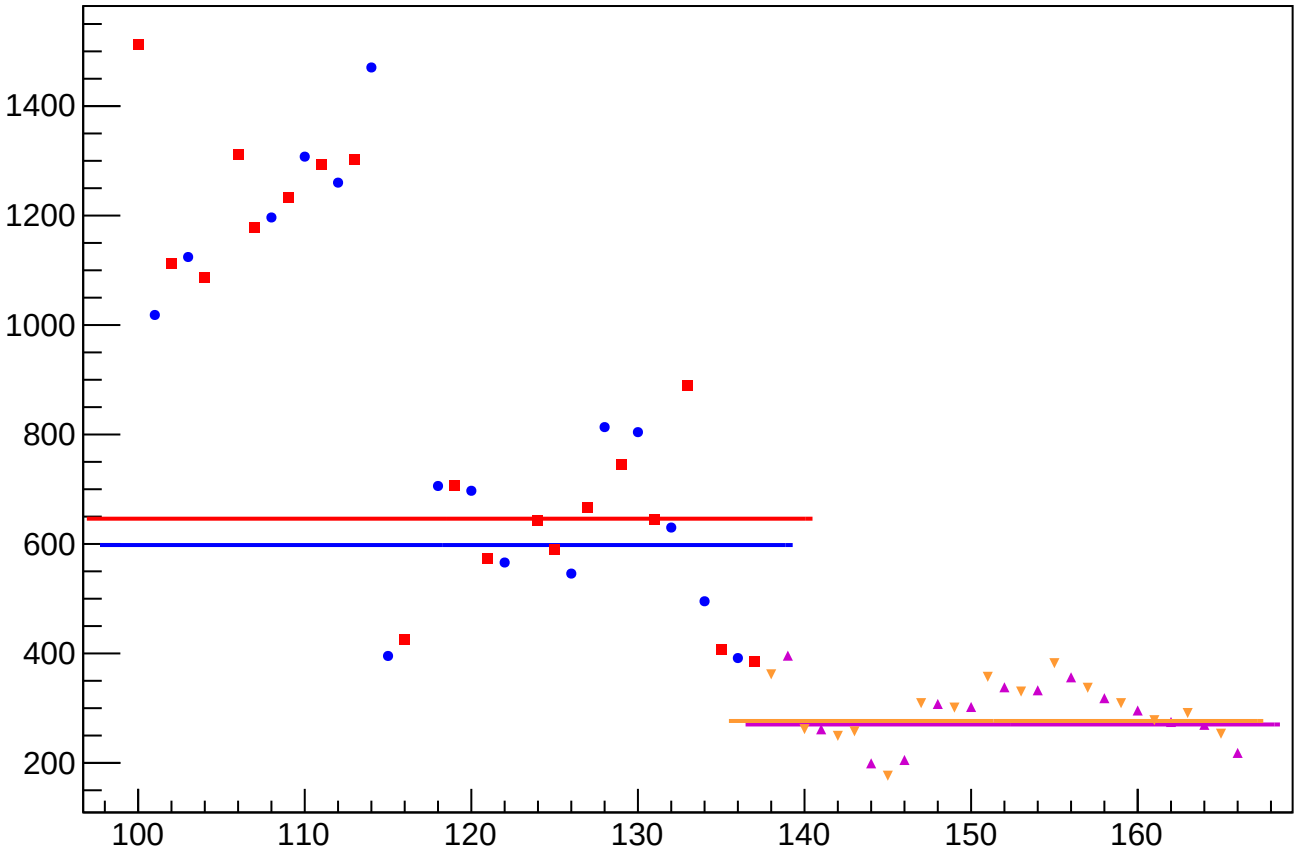
Left: -208.445+/-58.030 χ^2/NDF: 58.4/28

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -30.037+/-77.381 χ^2/NDF:32.4/29

Out: -373.891+/-78.492 χ^2/NDF:50.2/33

All: -199.513+/-55.106 χ^2/NDF: 92.2/63



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 276.609+/-0.058 χ^2/NDF:998972.0/14

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 270.210+/-0.058 χ^2/NDF:951104.0/13

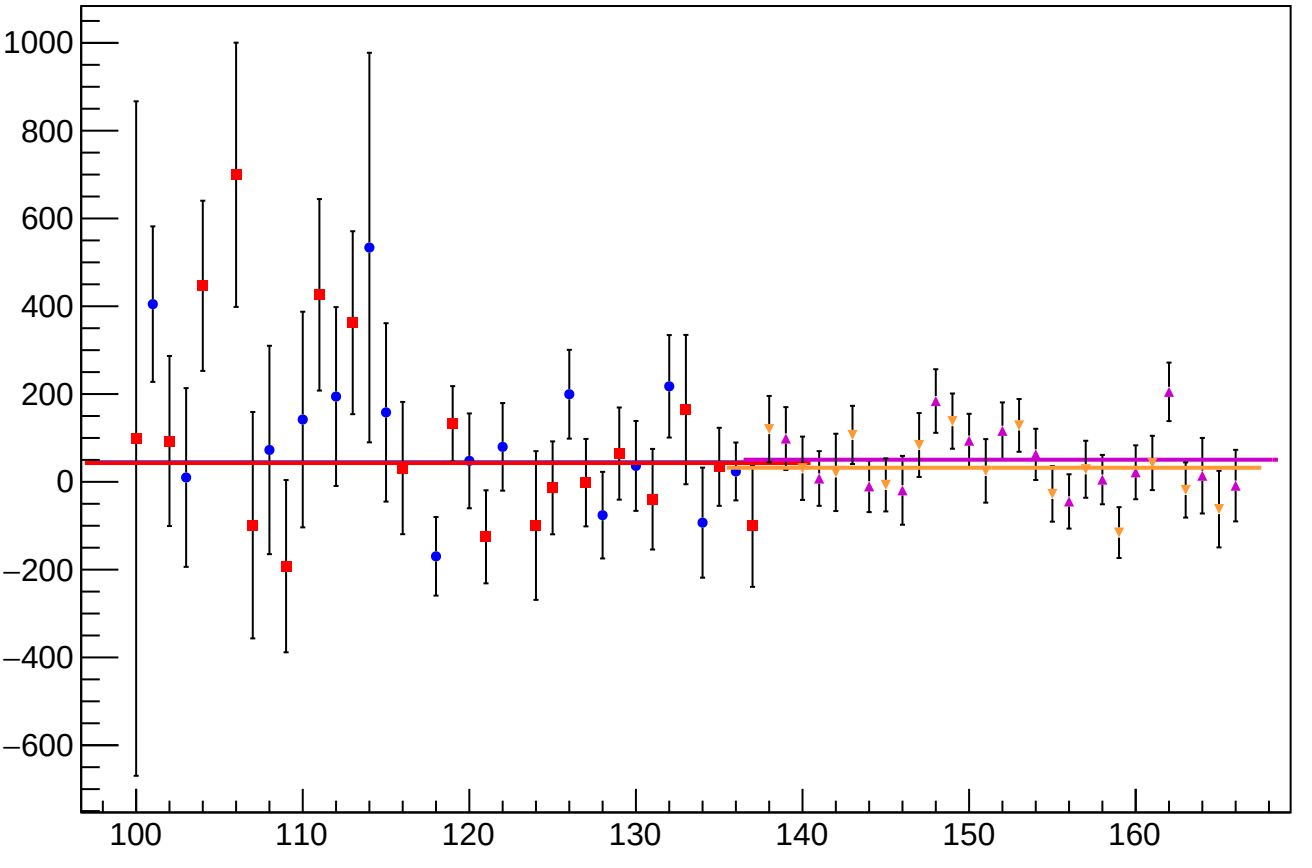
Left: 273.380+/-0.041 χ^2/NDF: 1956155.0/28

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 303.919+/-0.055 χ^2/NDF:6310555.1/29

Out: 311.186+/-0.056 χ^2/NDF:6964658.0/33

All: 307.501+/-0.039 χ^2/NDF: 13283905.8/63



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 50.431+/-17.542 χ^2/NDF:17.1/13

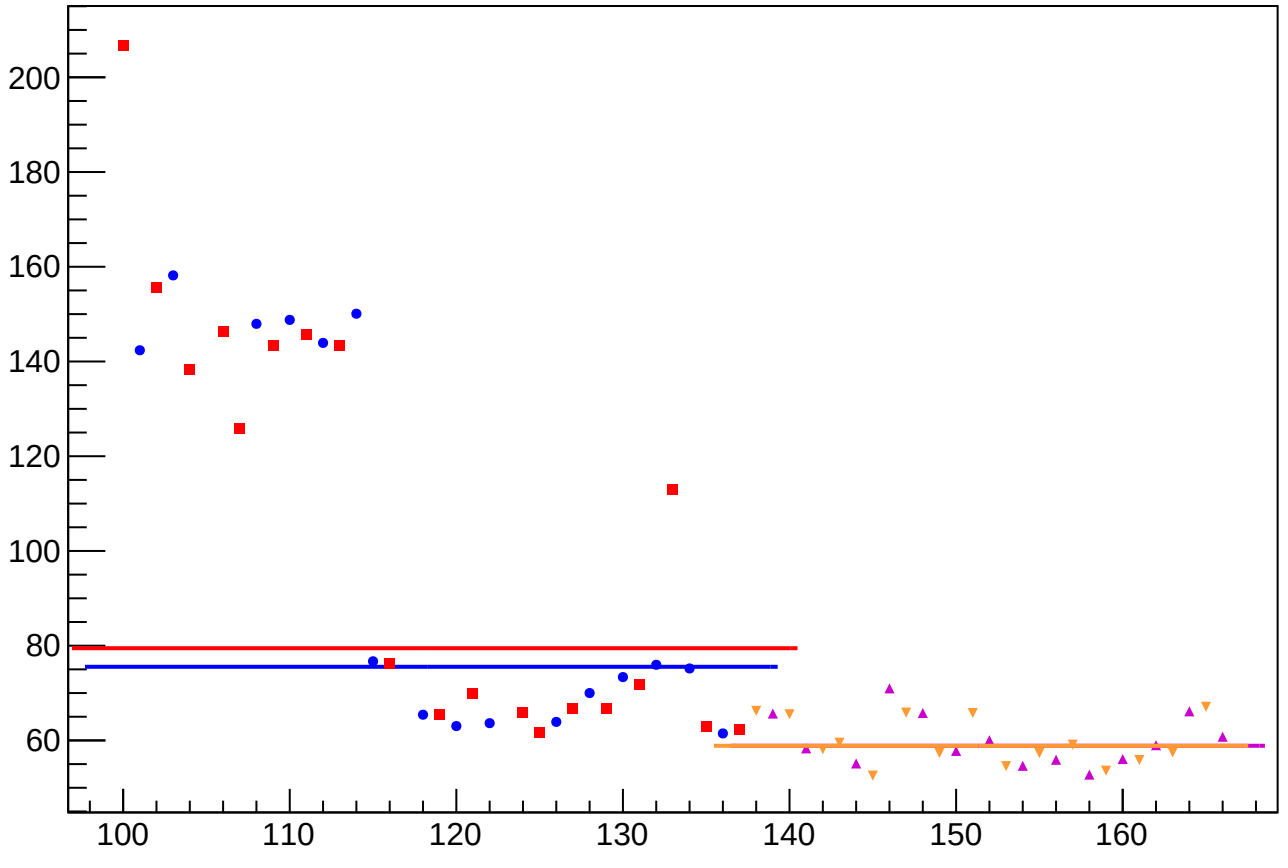
Left: 41.152+/-12.321 χ^2/NDF: 35.9/28

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 48.884+/-15.131 χ^2/NDF:36.7/29

Out: 34.649+/-15.141 χ^2/NDF:41.6/33

All: 41.771+/-10.703 χ^2/NDF: 78.8/63



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.867+/-0.012 χ^2/NDF:147505.5/14

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.871+/-0.012 χ^2/NDF:151697.8/13

Left: 58.869+/-0.009 χ^2/NDF: 299203.4/28

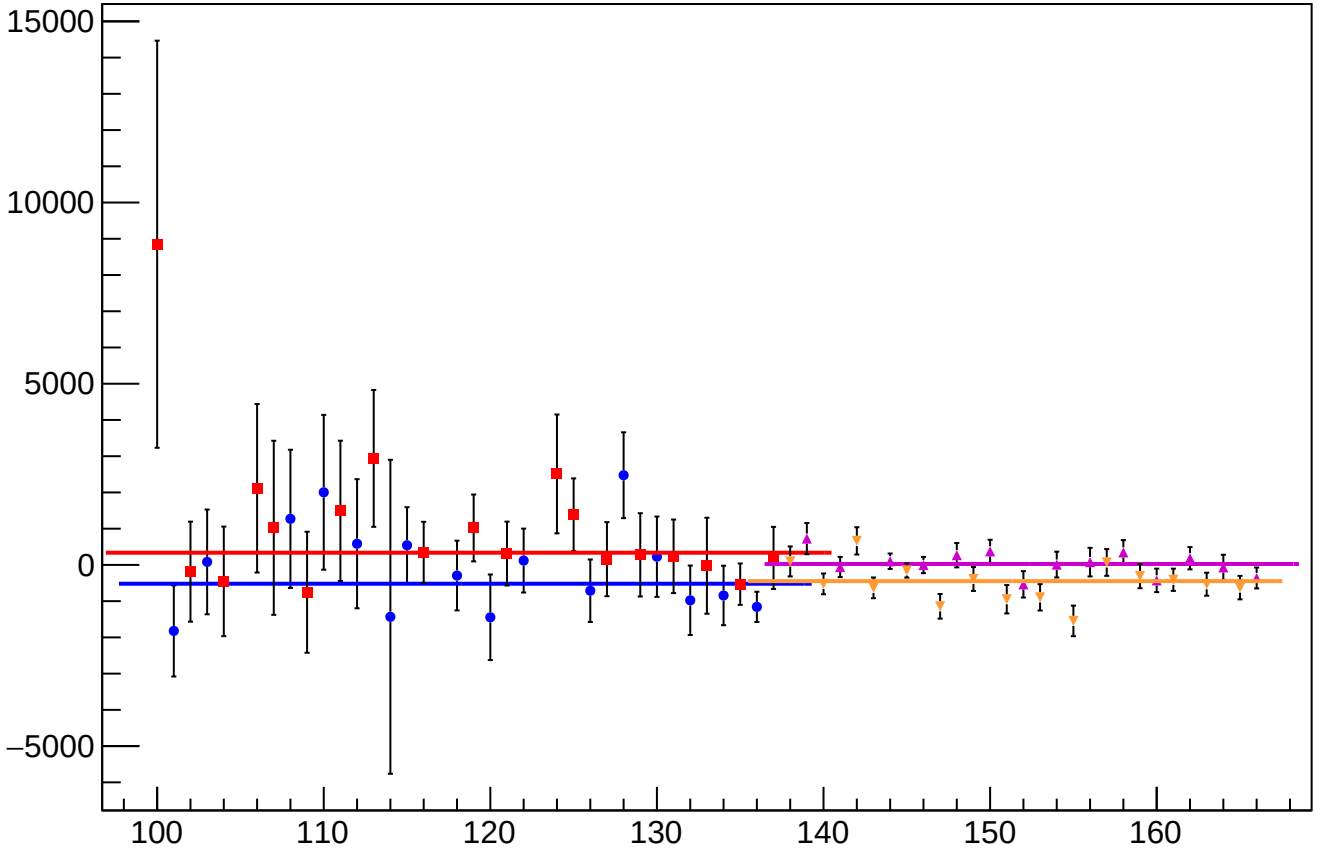
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.138+/-0.011 χ^2/NDF:2079711.7/29

Out: 63.703+/-0.011 χ^2/NDF:2496155.9/33

All: 63.420+/-0.008 χ^2/NDF: 4577259.3/63

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -447.237+/-82.444 χ^2/NDF:29.8/14

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 26.031+/-81.695 χ^2/NDF:12.0/13

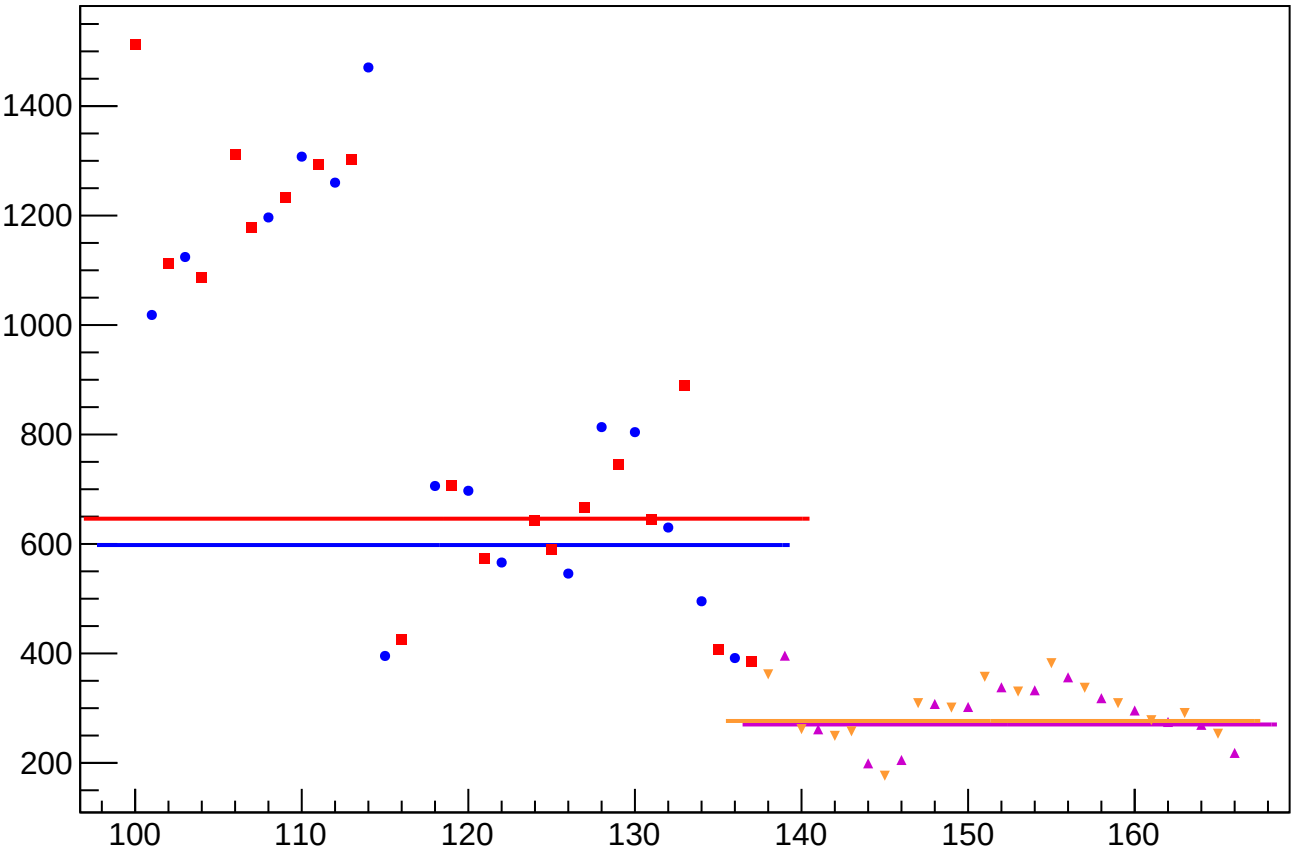
Left: -208.445+/-58.030 χ^2/NDF: 58.4/28

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -30.037+/-77.381 χ^2/NDF:32.4/29

Out: -373.891+/-78.492 χ^2/NDF:50.2/33

All: -199.513+/-55.105 χ^2/NDF: 92.2/63



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 276.608+/-0.058 χ^2/NDF:998979.7/14

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 270.210+/-0.058 χ^2/NDF:951099.1/13

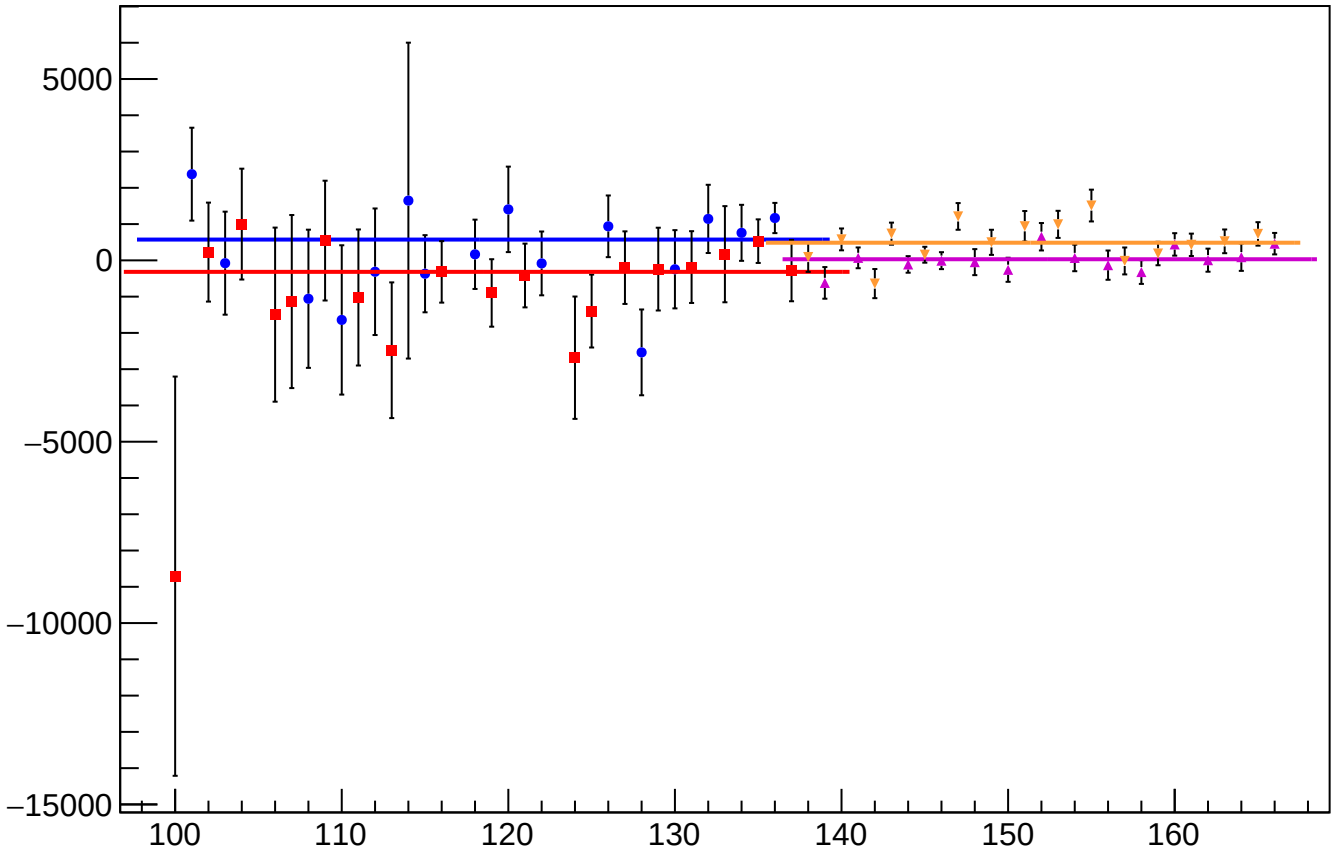
Left: 273.380+/-0.041 χ^2/NDF: 1956157.3/28

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 303.919+/-0.055 χ^2/NDF:6310536.9/29

Out: 311.186+/-0.056 χ^2/NDF:6964660.6/33

All: 307.501+/-0.039 χ^2/NDF: 13283889.7/63



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 486.515+/-86.123 χ^2/NDF:27.5/14

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 30.863+/-84.388 χ^2/NDF:11.4/13

Left: 254.053+/-60.275 χ^2/NDF: 53.2/28

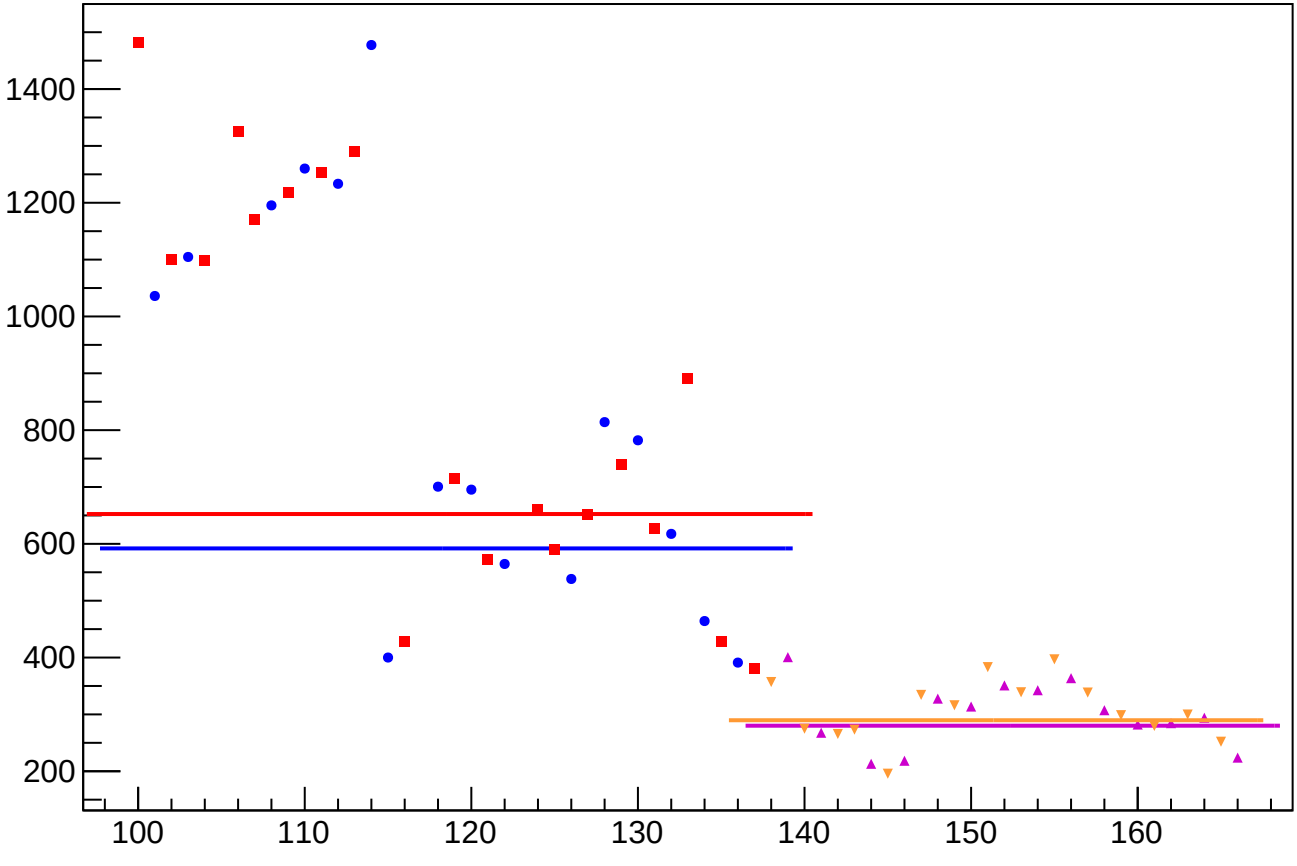
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 91.036+/-79.571 χ^2/NDF:32.5/29

Out: 406.107+/-81.700 χ^2/NDF:47.2/33

All: 244.413+/-57.003 χ^2/NDF: 87.4/63

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 289.715+/-0.061 χ^2/NDF:801660.6/14

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 280.121+/-0.060 χ^2/NDF:826970.4/13

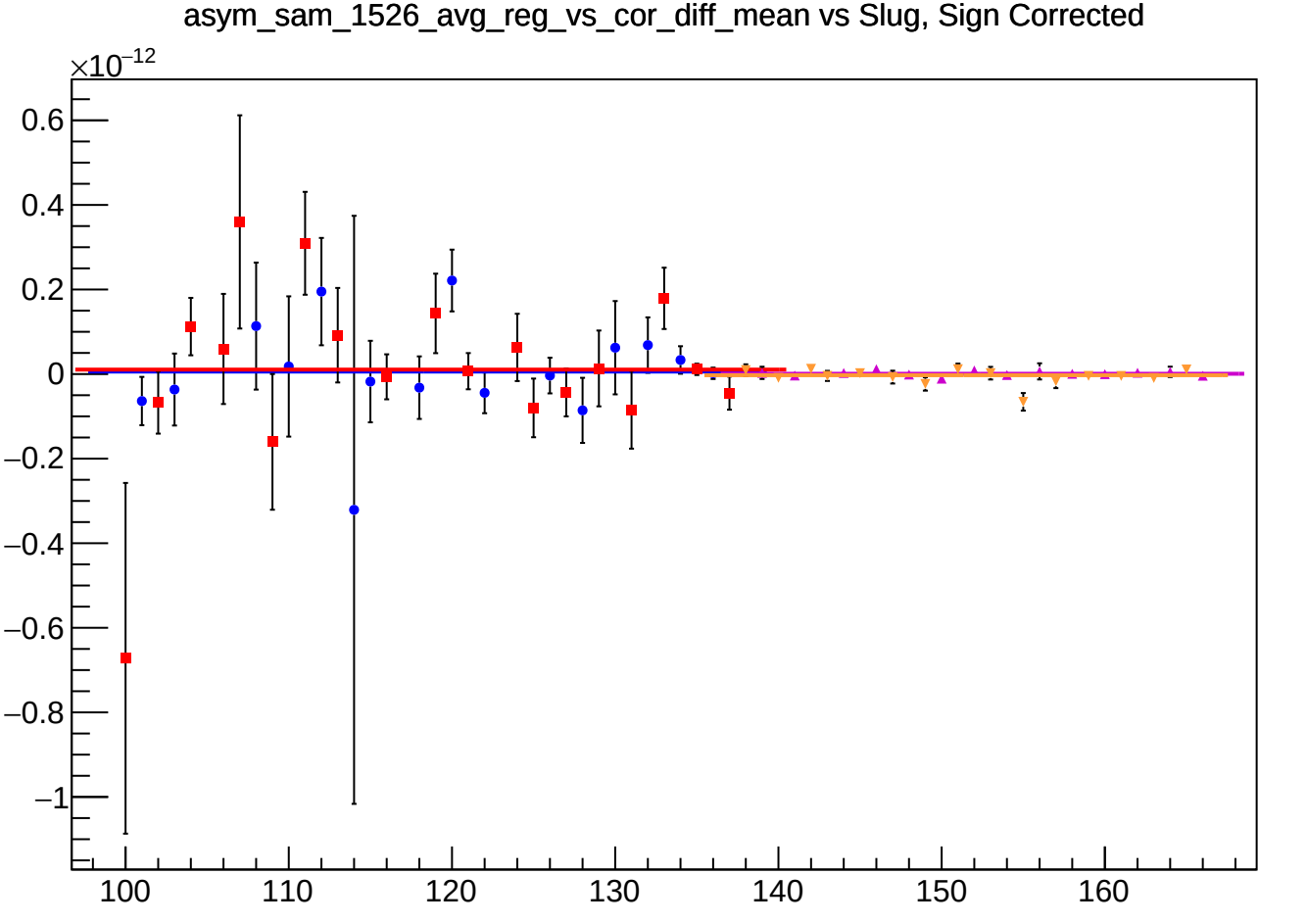
Left: 284.820+/-0.043 χ^2/NDF: 1641293.8/28

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

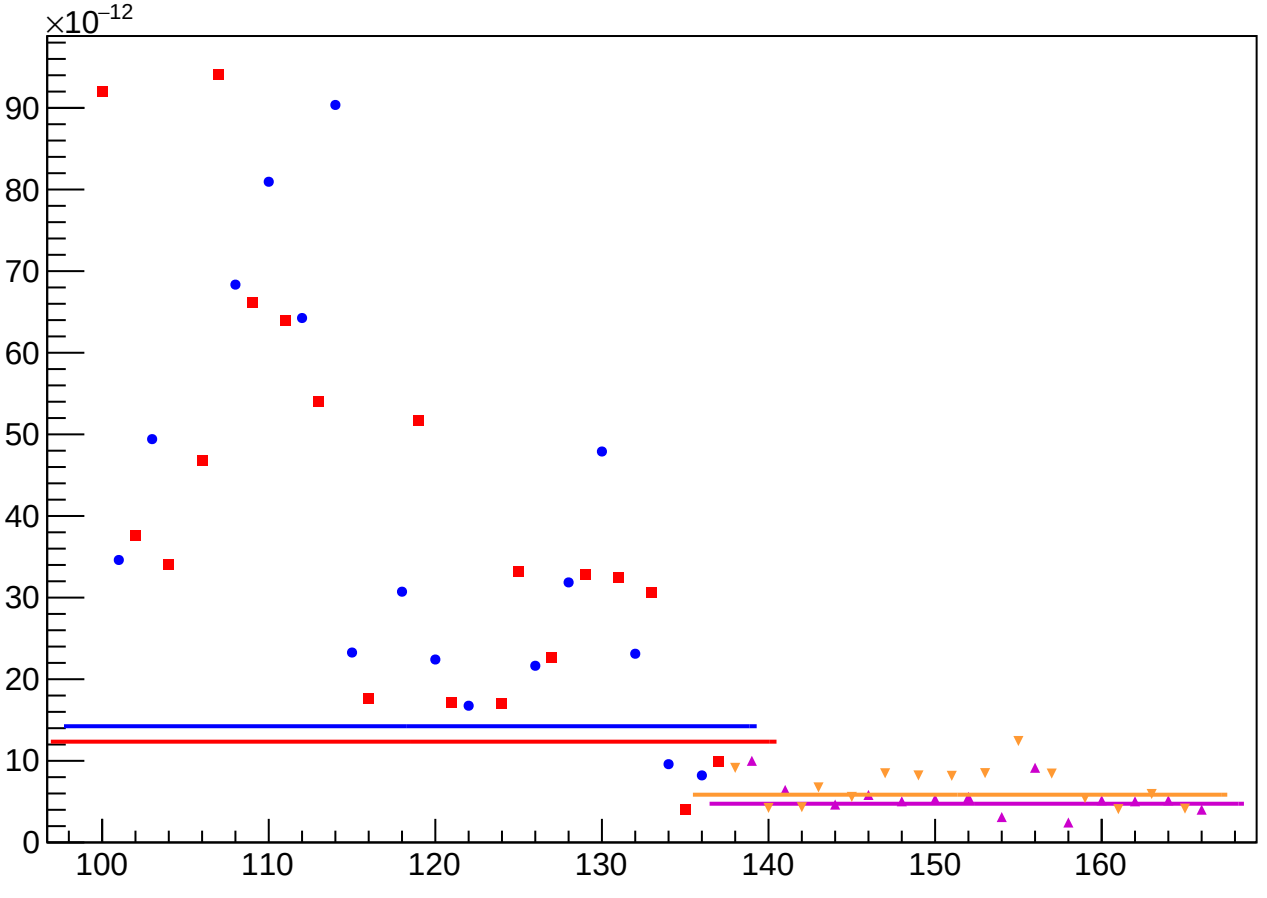
In: 314.711+/-0.056 χ^2/NDF:5892117.9/29

Out: 326.023+/-0.058 χ^2/NDF:6442934.7/33

All: 320.217+/-0.040 χ^2/NDF: 12354730.0/63


asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.1/13
Left: -0.000+/-0.000 χ²/NDF: 24.1/28
Right: 0.000+/-0.000 χ²/NDF: 47.8/34
In: 0.000+/-0.000 χ²/NDF:22.5/29
Out: -0.000+/-0.000 χ²/NDF:50.2/33
All: -0.000+/-0.000 χ²/NDF: 73.3/63

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:897708.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:785766.5/13

Left: 0.000+/-0.000 χ^2/NDF: 1850287.5/28

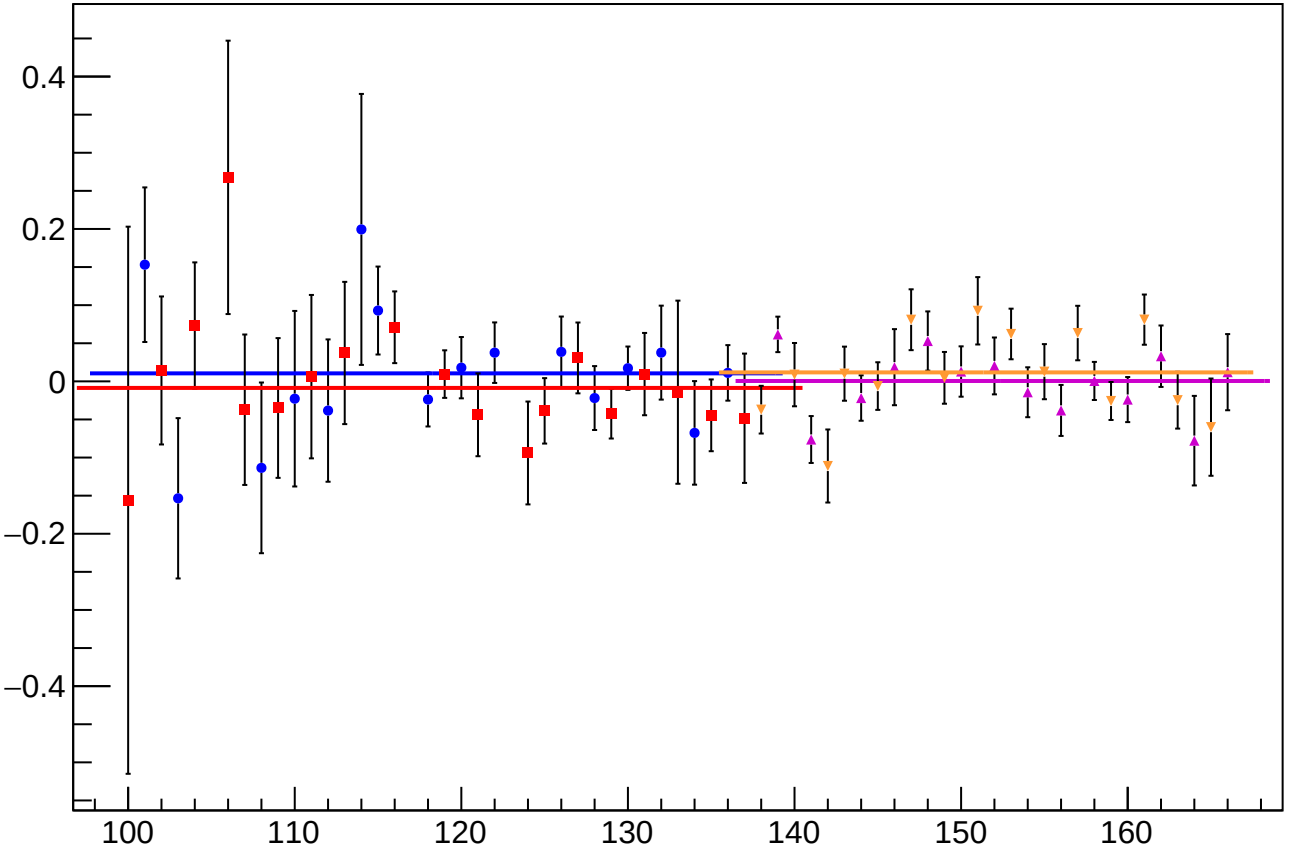
Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4816717.4/29

Out: 0.000+/-0.000 χ^2/NDF:5078120.1/33

All: 0.000+/-0.000 χ^2/NDF: 10046865.2/63

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

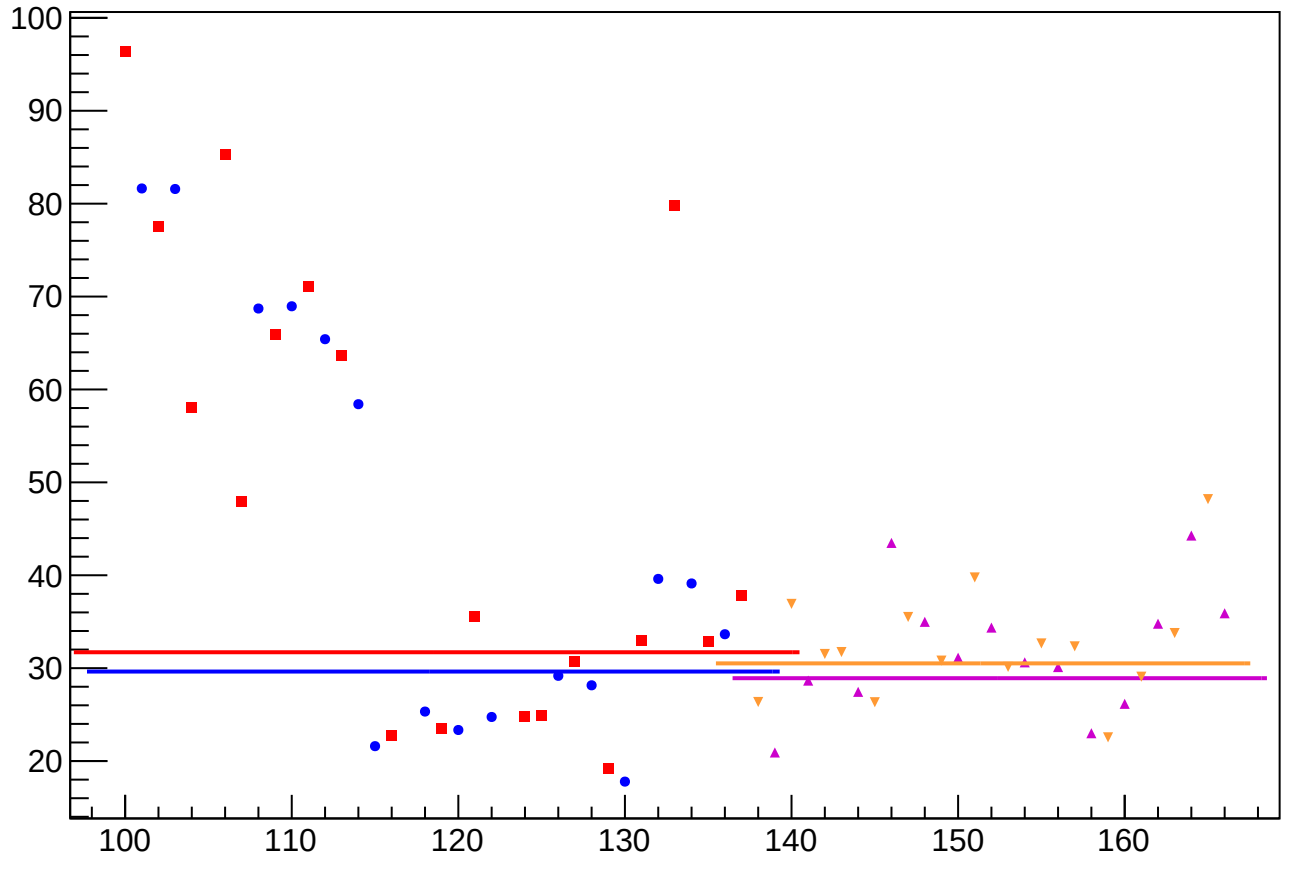
Left: 0.006+/-0.006 χ^2/NDF: 50.6/28

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/63



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.515+/-0.007 χ^2/NDF:630214.3/14

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.919+/-0.006 χ^2/NDF:867069.5/13

Left: 29.691+/-0.005 χ^2/NDF: 1528310.0/28

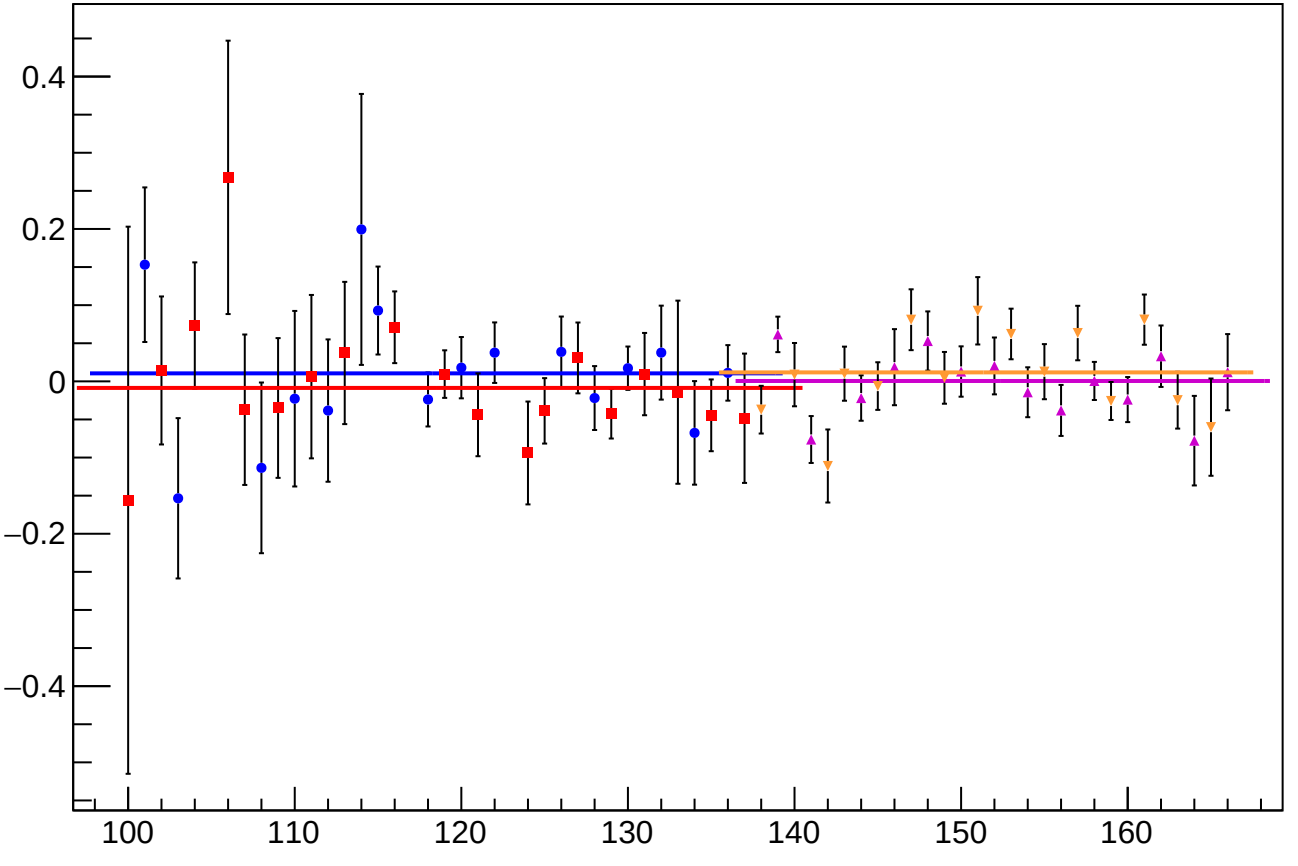
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.159+/-0.005 χ^2/NDF:3319855.8/29

Out: 30.905+/-0.005 χ^2/NDF:3292719.5/33

All: 29.998+/-0.004 χ^2/NDF: 6668044.9/63

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

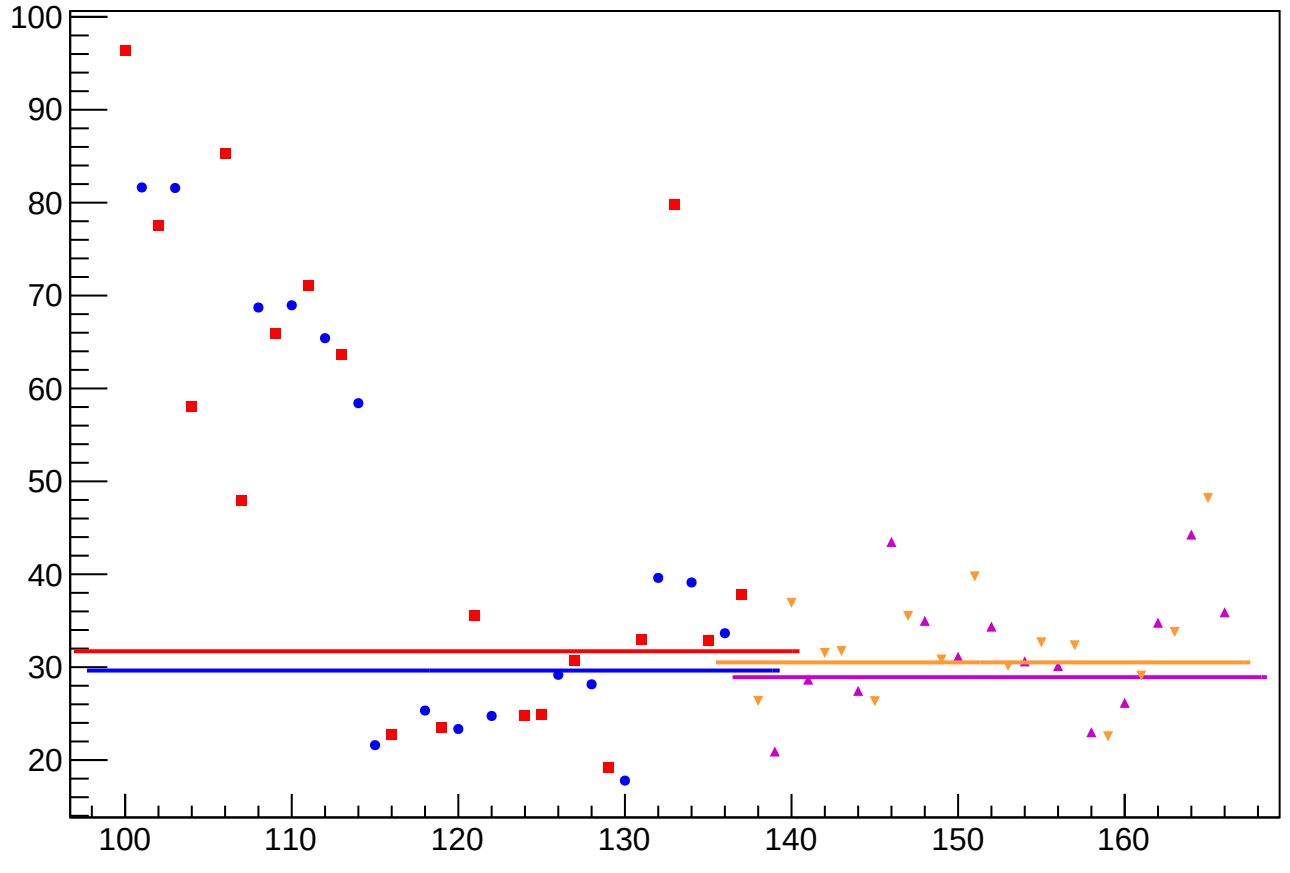
Left: 0.006+/-0.006 χ^2/NDF: 50.6/28

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/63



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.515+/-0.007 χ^2/NDF:630214.3/14

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.919+/-0.006 χ^2/NDF:867069.5/13

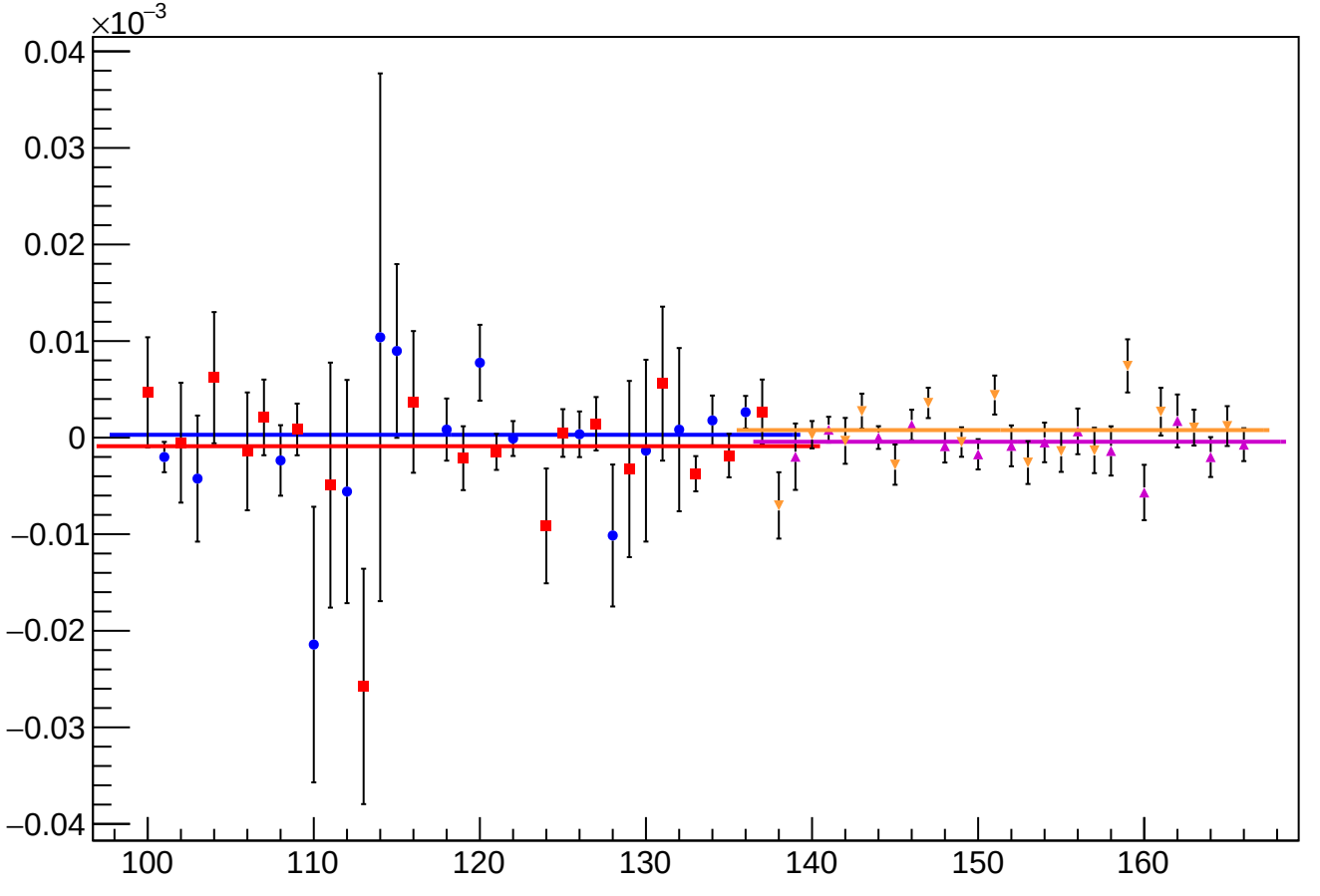
Left: 29.691+/-0.005 χ^2/NDF: 1528310.0/28

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.159+/-0.005 χ^2/NDF:3319855.8/29

Out: 30.905+/-0.005 χ^2/NDF:3292719.5/33

All: 29.998+/-0.004 χ^2/NDF: 6668044.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/13

Left: 0.000+/-0.000 χ^2/NDF: 38.4/28

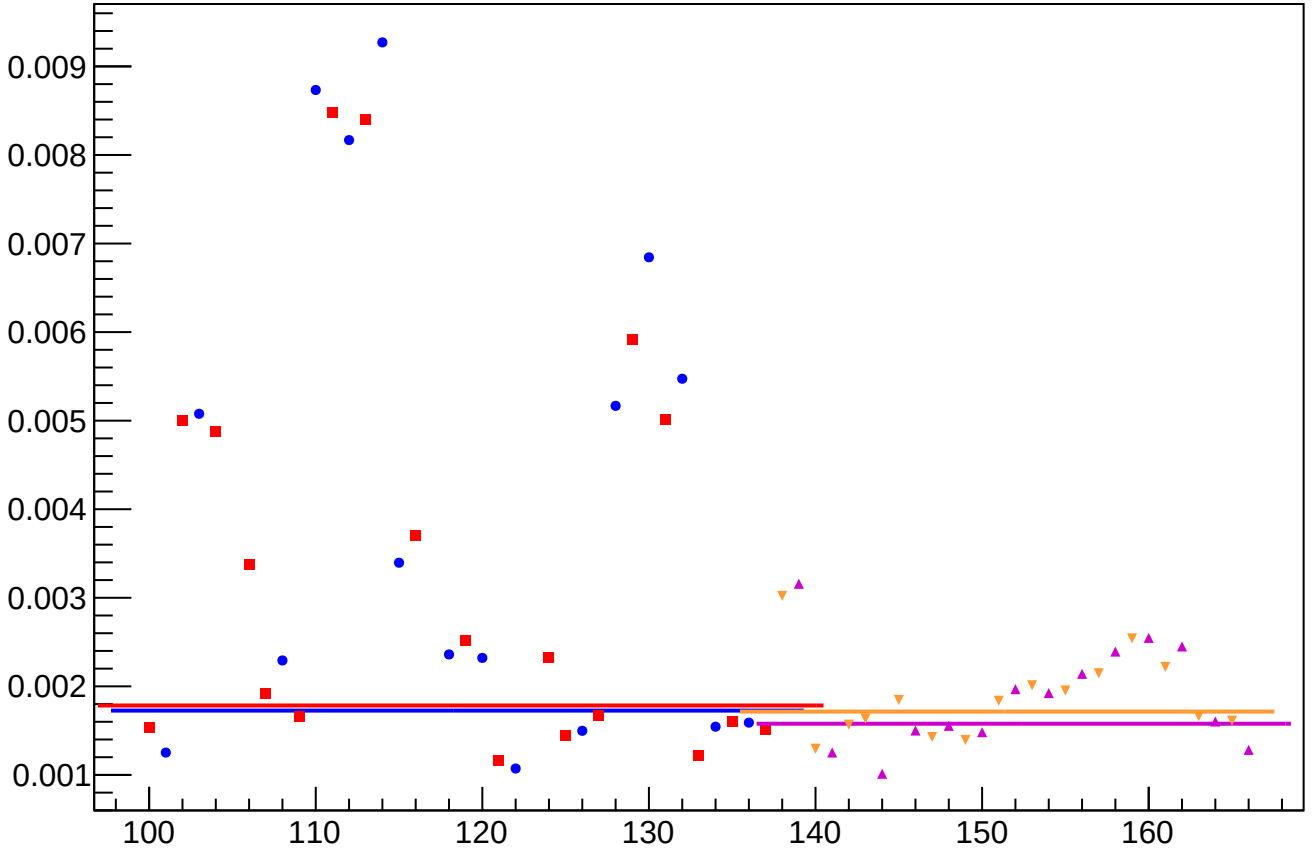
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:23.6/29

Out: 0.000+/-0.000 χ^2/NDF:45.9/33

All: 0.000+/-0.000 χ^2/NDF: 70.2/63

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1045160.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1948963.7/13

Left: 0.002+/-0.000 χ^2/NDF: 3068657.5/28

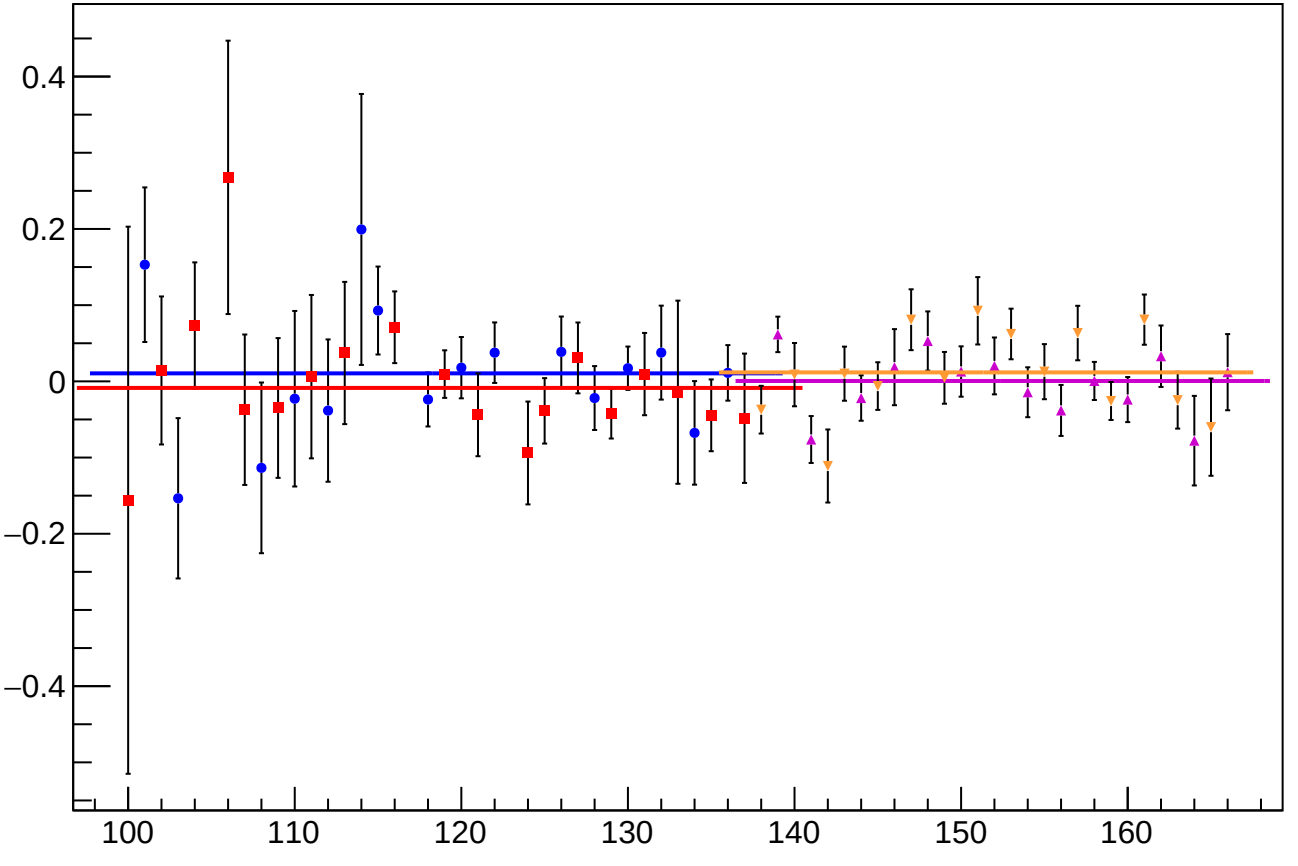
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5934643.4/29

Out: 0.002+/-0.000 χ^2/NDF:4774845.7/33

All: 0.002+/-0.000 χ^2/NDF: 10783683.3/63

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

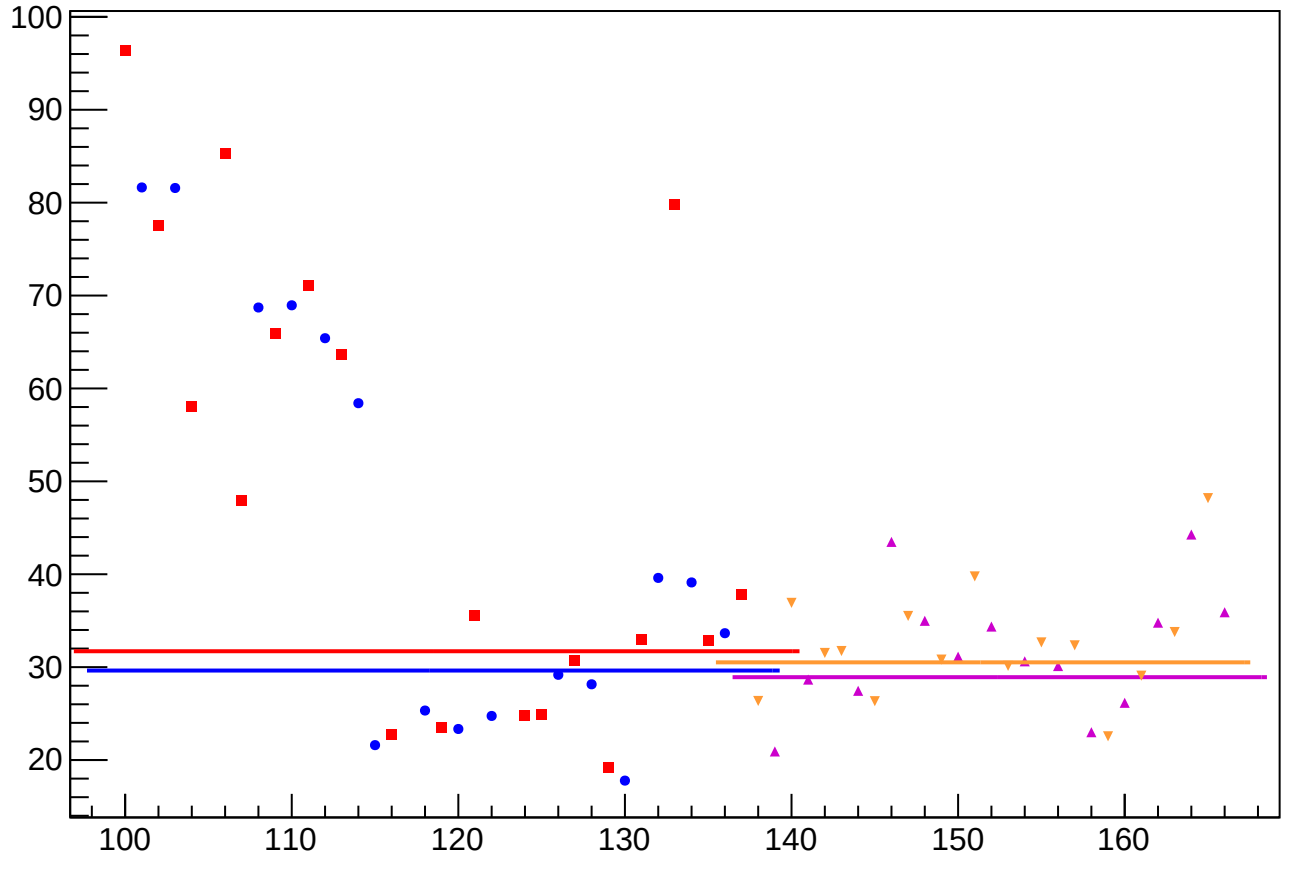
Left: 0.006+/-0.006 χ^2/NDF: 50.6/28

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/63



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.515+/-0.007 χ^2/NDF:630228.7/14

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.919+/-0.006 χ^2/NDF:867101.2/13

Left: 29.691+/-0.005 χ^2/NDF: 1528353.5/28

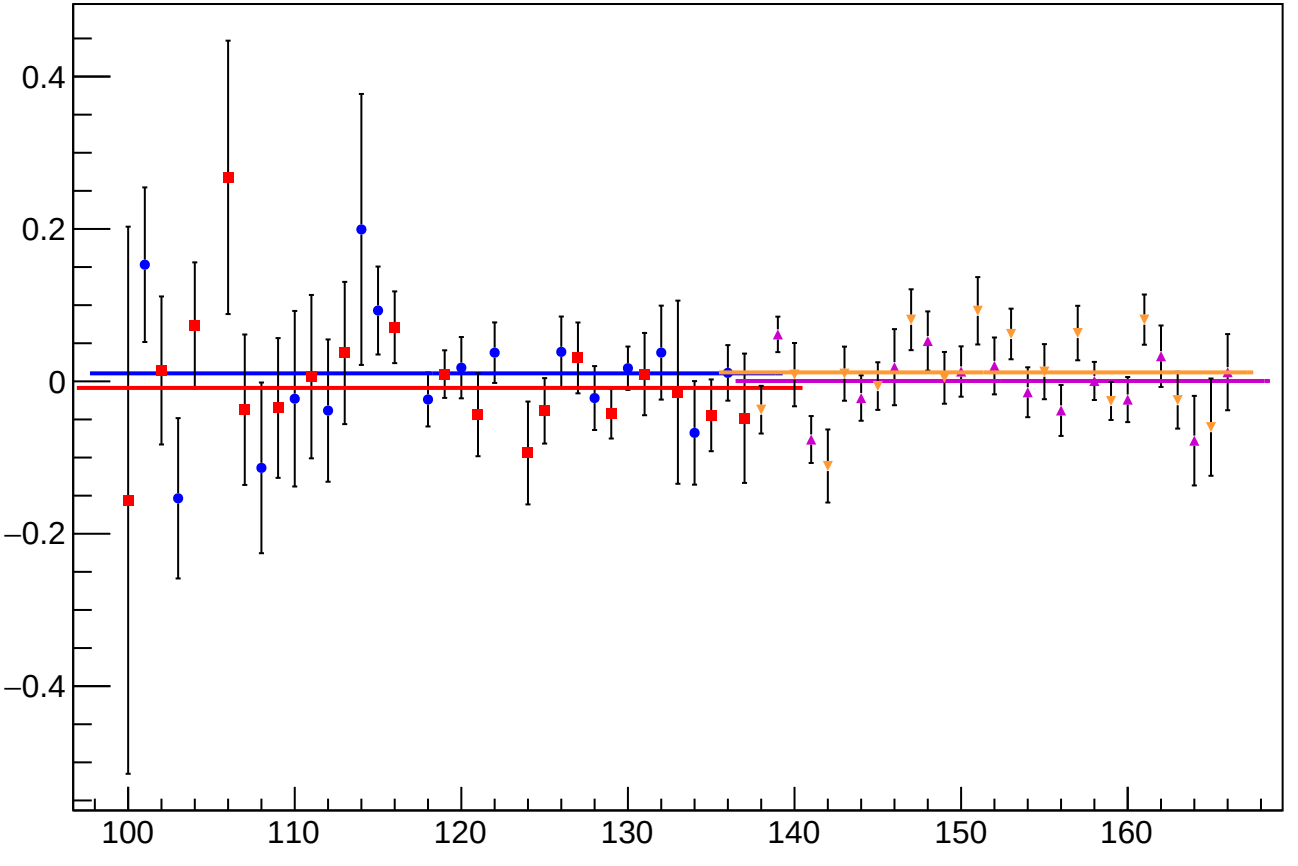
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.158+/-0.005 χ^2/NDF:3320071.5/29

Out: 30.904+/-0.005 χ^2/NDF:3292874.5/33

All: 29.997+/-0.004 χ^2/NDF: 6668414.8/63

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.8/13

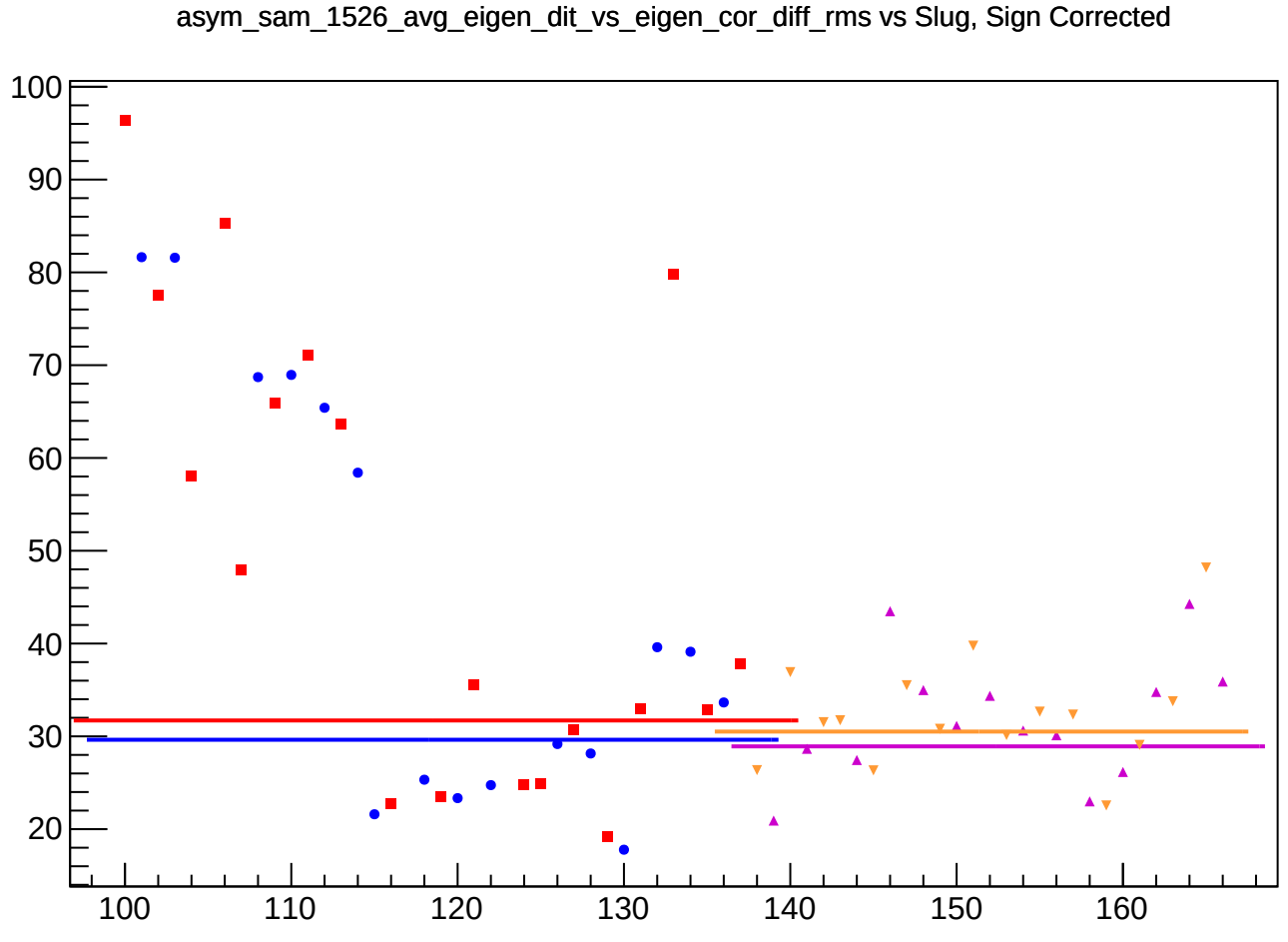
Left: 0.006+/-0.006 χ^2/NDF: 50.6/28

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/29

Out: 0.005+/-0.008 χ^2/NDF:43.1/33

All: 0.004+/-0.005 χ^2/NDF: 77.4/63



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.515+/-0.007 χ^2/NDF:630228.7/14

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.919+/-0.006 χ^2/NDF:867101.2/13

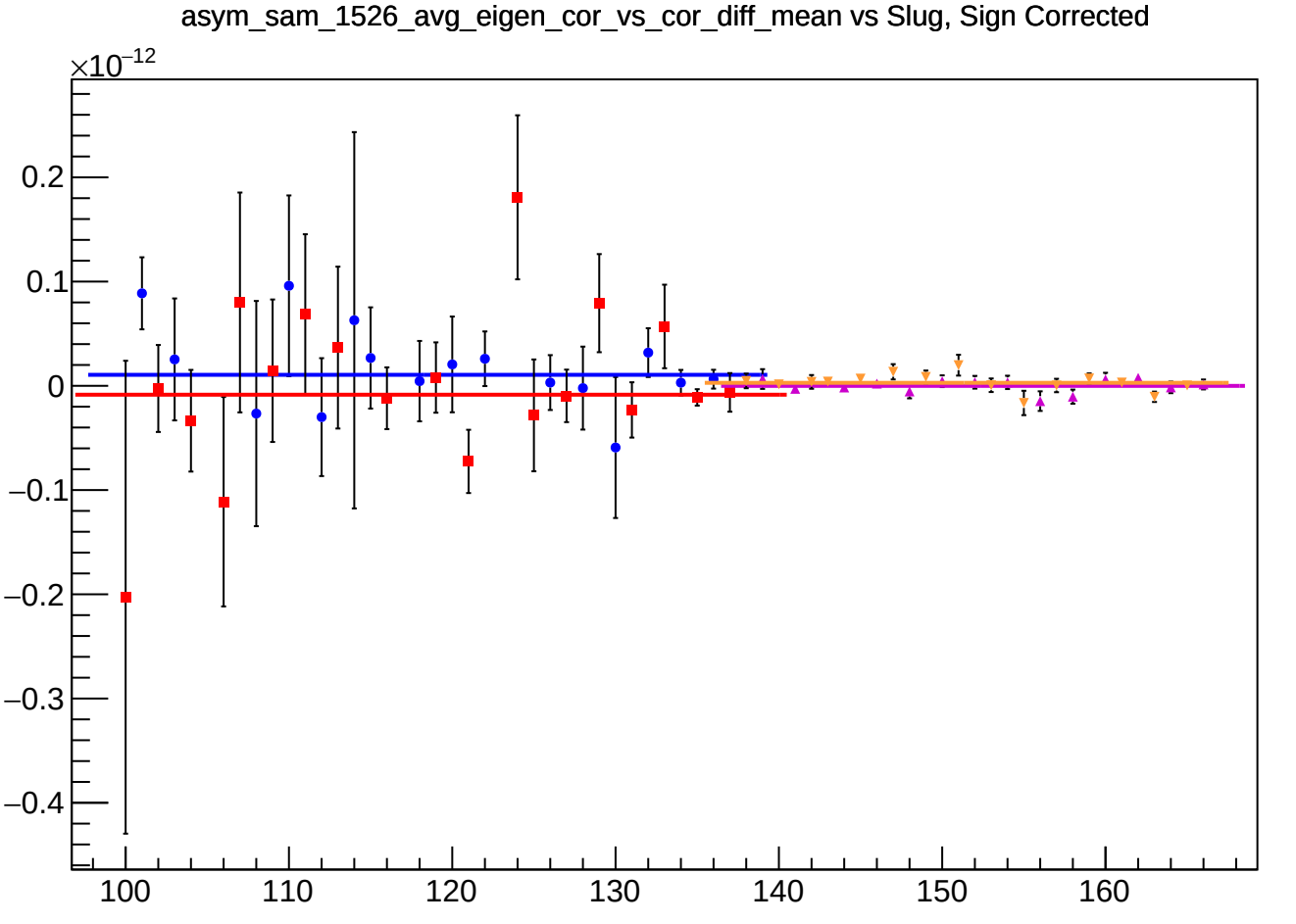
Left: 29.691+/-0.005 χ^2/NDF: 1528353.5/28

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

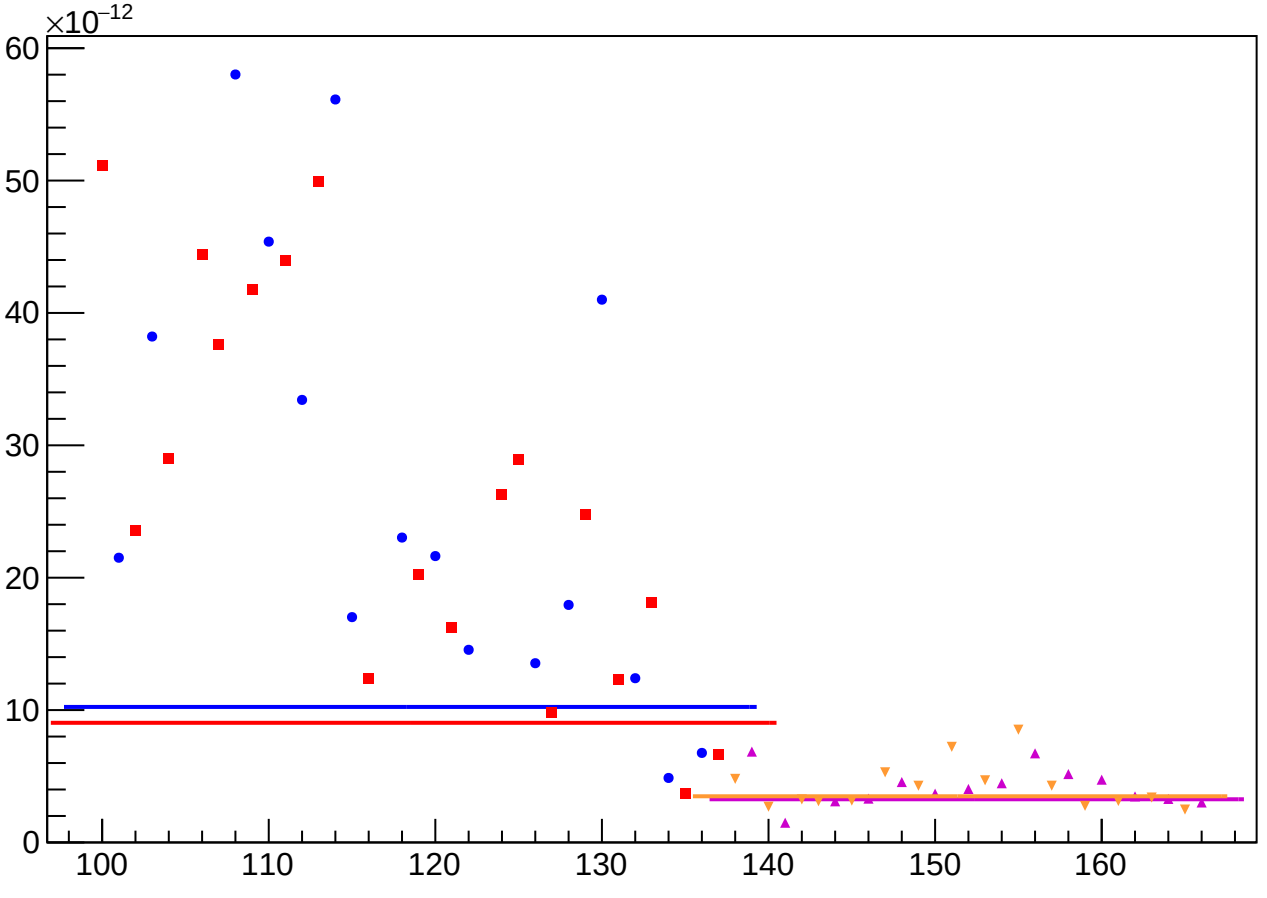
In: 29.158+/-0.005 χ^2/NDF:3320071.5/29

Out: 30.904+/-0.005 χ^2/NDF:3292874.5/33

All: 29.997+/-0.004 χ^2/NDF: 6668414.8/63


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.3/13
Left: 0.000+/-0.000 χ²/NDF: 32.9/28
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:25.3/29
Out: 0.000+/-0.000 χ²/NDF:43.3/33
All: 0.000+/-0.000 χ²/NDF: 69.5/63

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258173.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1894856.1/13

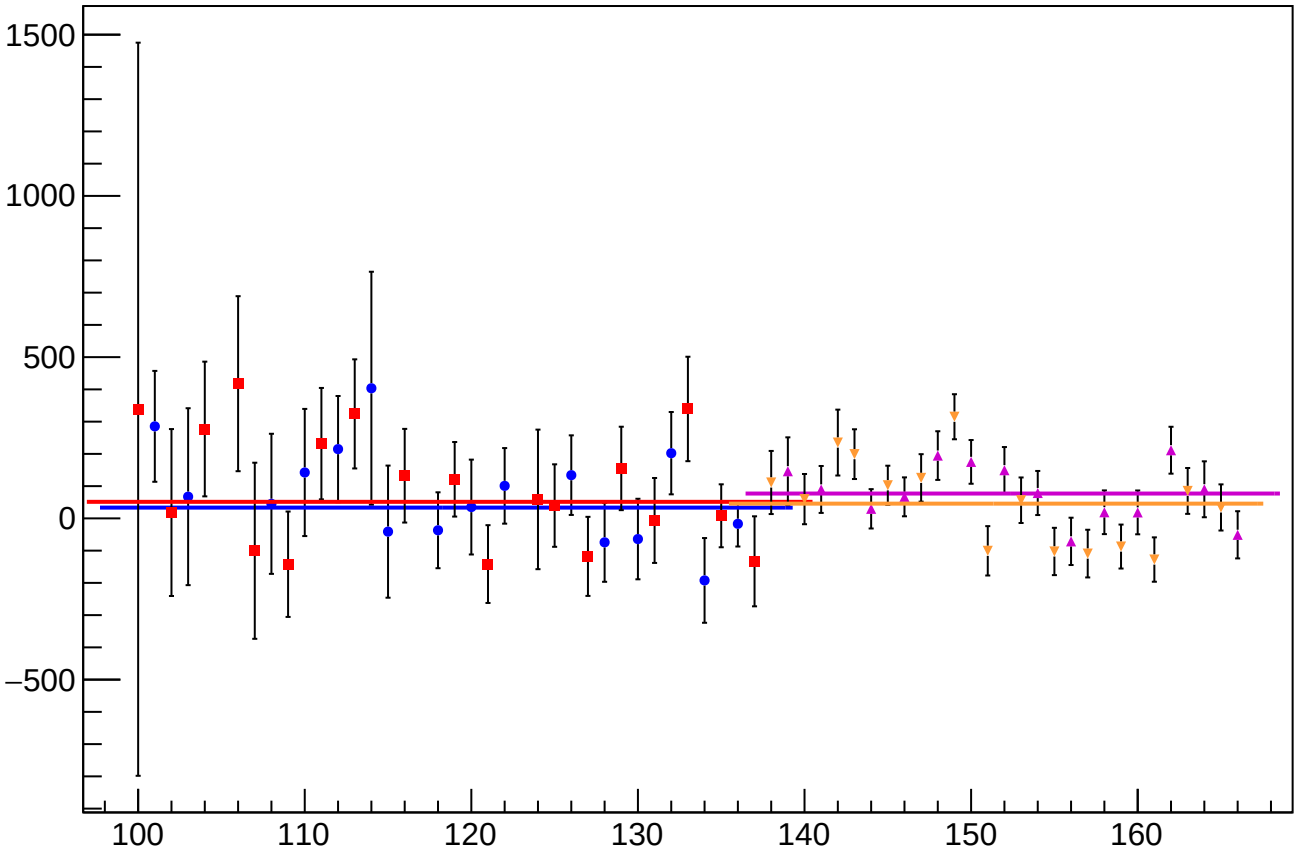
Left: 0.000+/-0.000 χ^2/NDF: 3180018.9/28

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7980911.2/29

Out: 0.000+/-0.000 χ^2/NDF:7436742.7/33

All: 0.000+/-0.000 χ^2/NDF: 15435280.6/63



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.704+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

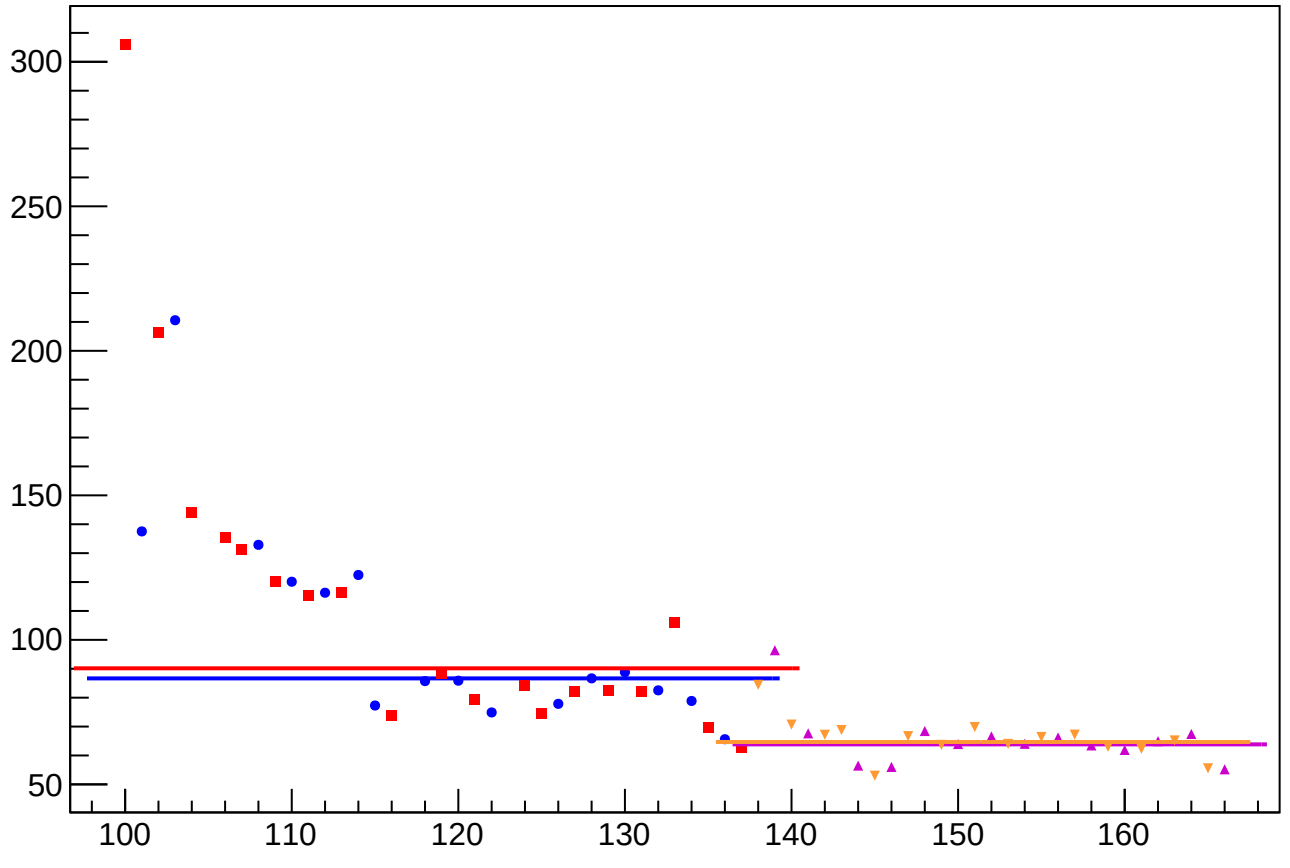
Left: 61.366+/-13.476 χ^2/NDF: 67.5/28

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 66.552+/-16.612 χ^2/NDF:32.8/29

Out: 47.000+/-16.720 χ^2/NDF:67.0/33

All: 56.840+/-11.784 χ^2/NDF: 100.5/63



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

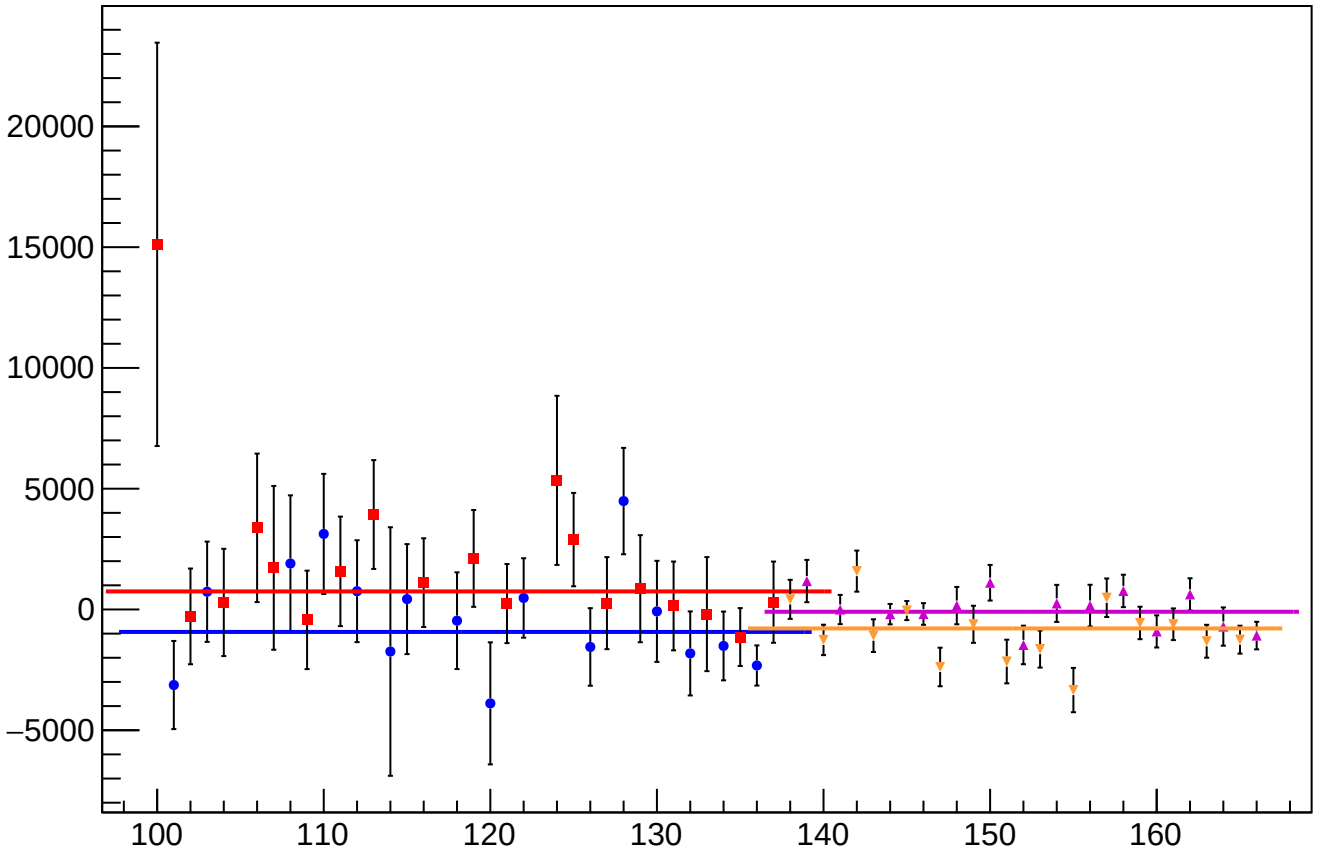
Left: 64.254+/-0.010 χ^2/NDF: 532939.3/28

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 69.329+/-0.012 χ^2/NDF:2034228.4/29

Out: 70.532+/-0.012 χ^2/NDF:2198522.5/33

All: 69.927+/-0.008 χ^2/NDF: 4237966.0/63



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -785.294+/-174.930 χ^2/NDF:33.6/14

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -94.886+/-171.258 χ^2/NDF:16.1/13

Left: -432.767+/-122.375 χ^2/NDF: 57.7/28

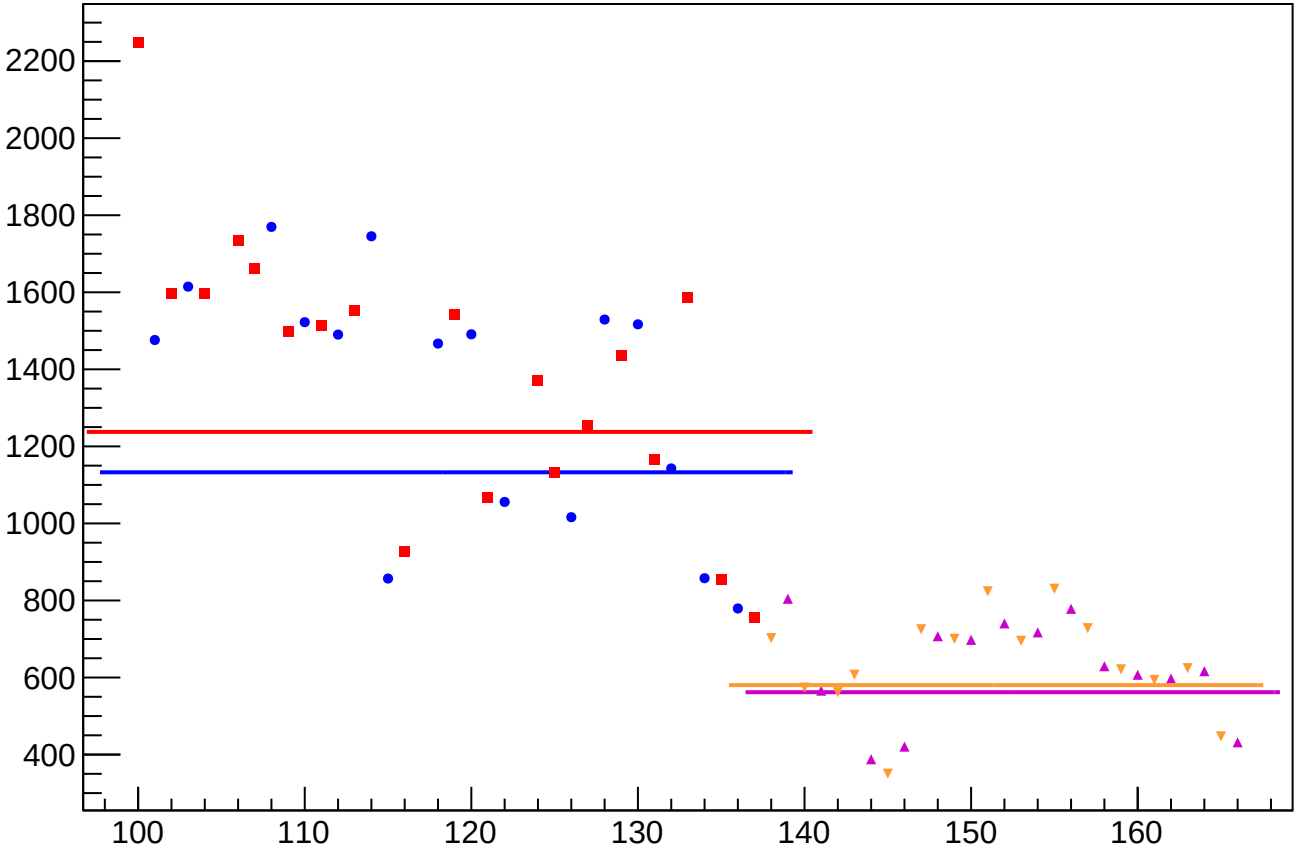
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -204.346+/-159.638 χ^2/NDF:37.8/29

Out: -597.363+/-163.853 χ^2/NDF:56.0/33

All: -395.734+/-114.342 χ^2/NDF: 96.7/63

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373350.6/14

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 561.895+/-0.121 χ^2/NDF:1285335.0/13

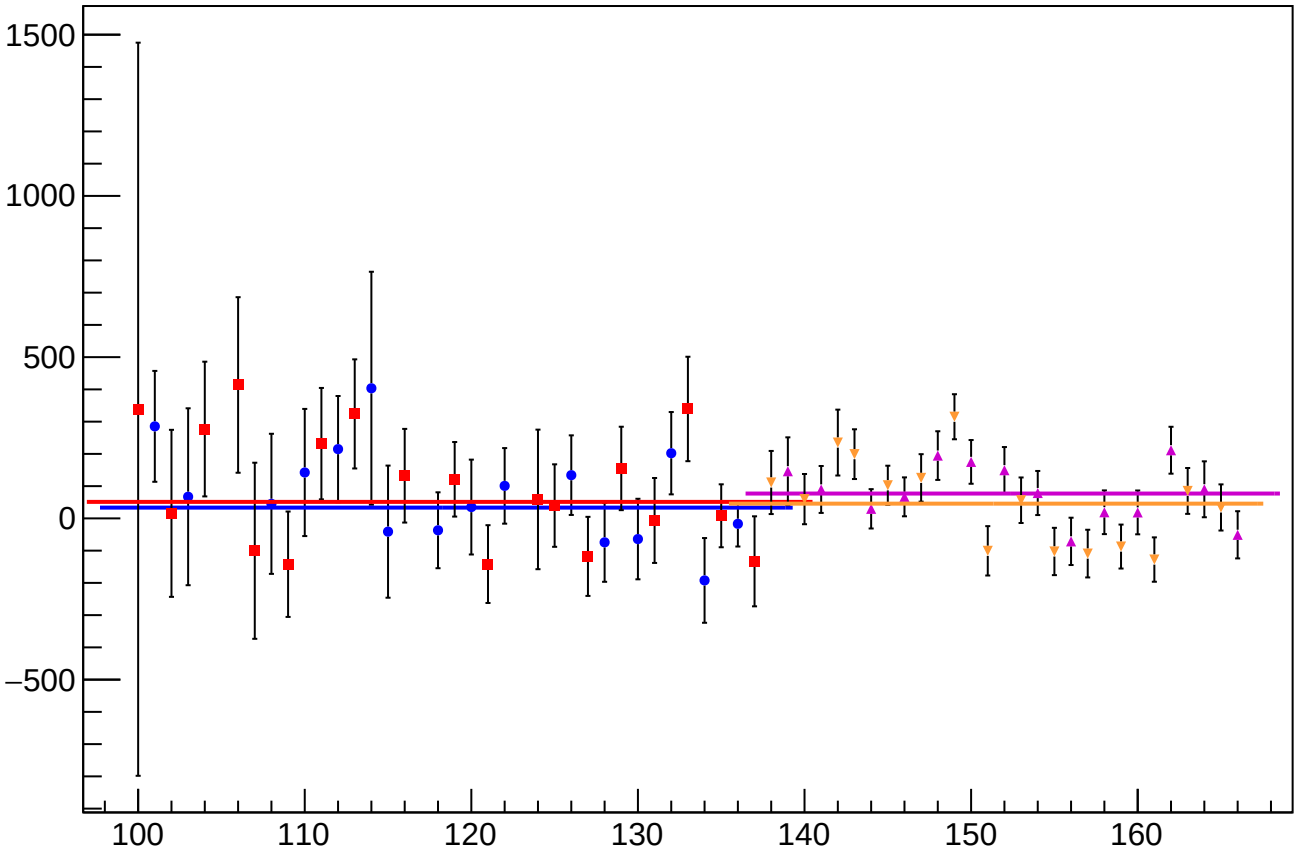
Left: 570.928+/-0.087 χ^2/NDF: 2670053.1/28

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 636.727+/-0.113 χ^2/NDF:5322146.2/29

Out: 660.949+/-0.116 χ^2/NDF:5730841.9/33

All: 648.522+/-0.081 χ^2/NDF: 11075412.0/63



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

Left: 61.368+/-13.476 χ^2/NDF: 67.5/28

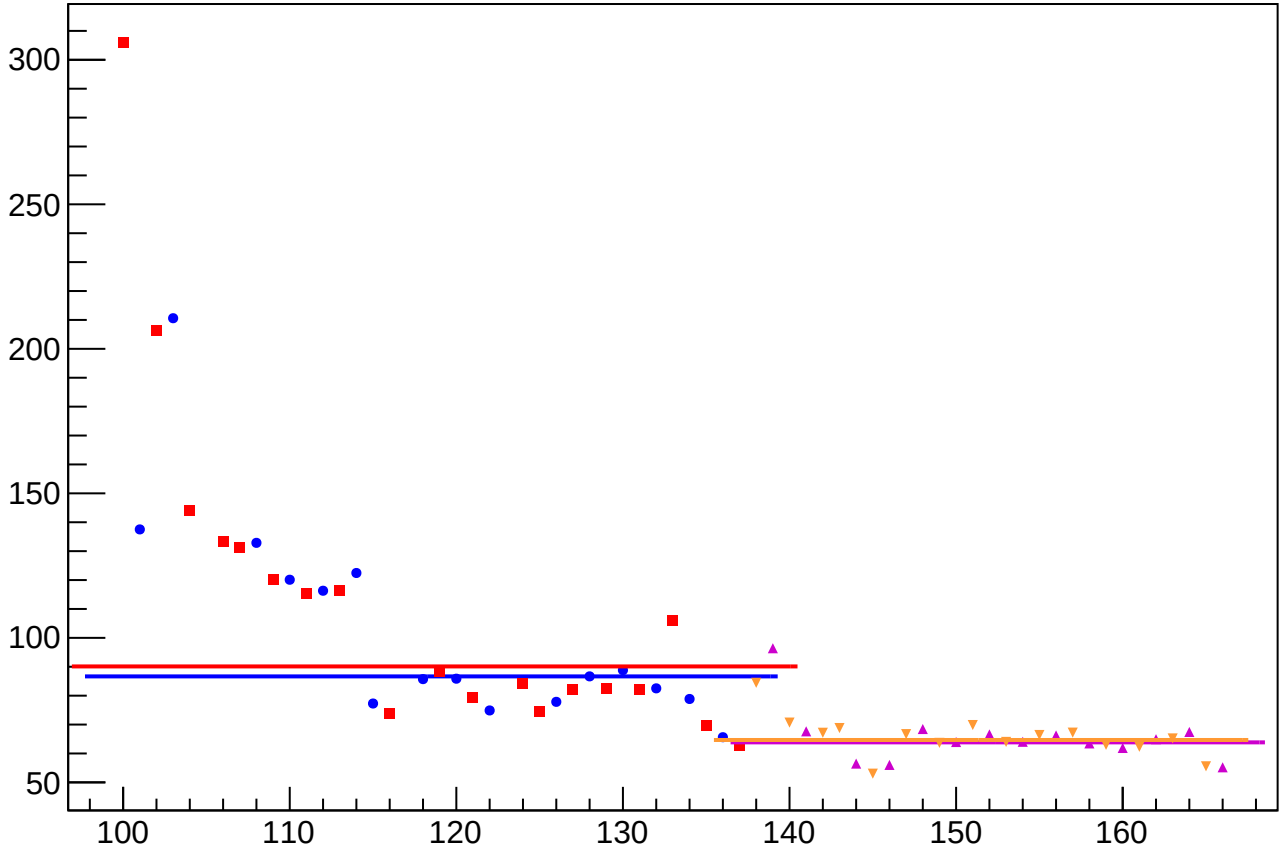
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 66.551+/-16.612 χ^2/NDF:32.8/29

Out: 46.968+/-16.720 χ^2/NDF:67.0/33

All: 56.823+/-11.784 χ^2/NDF: 100.5/63

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

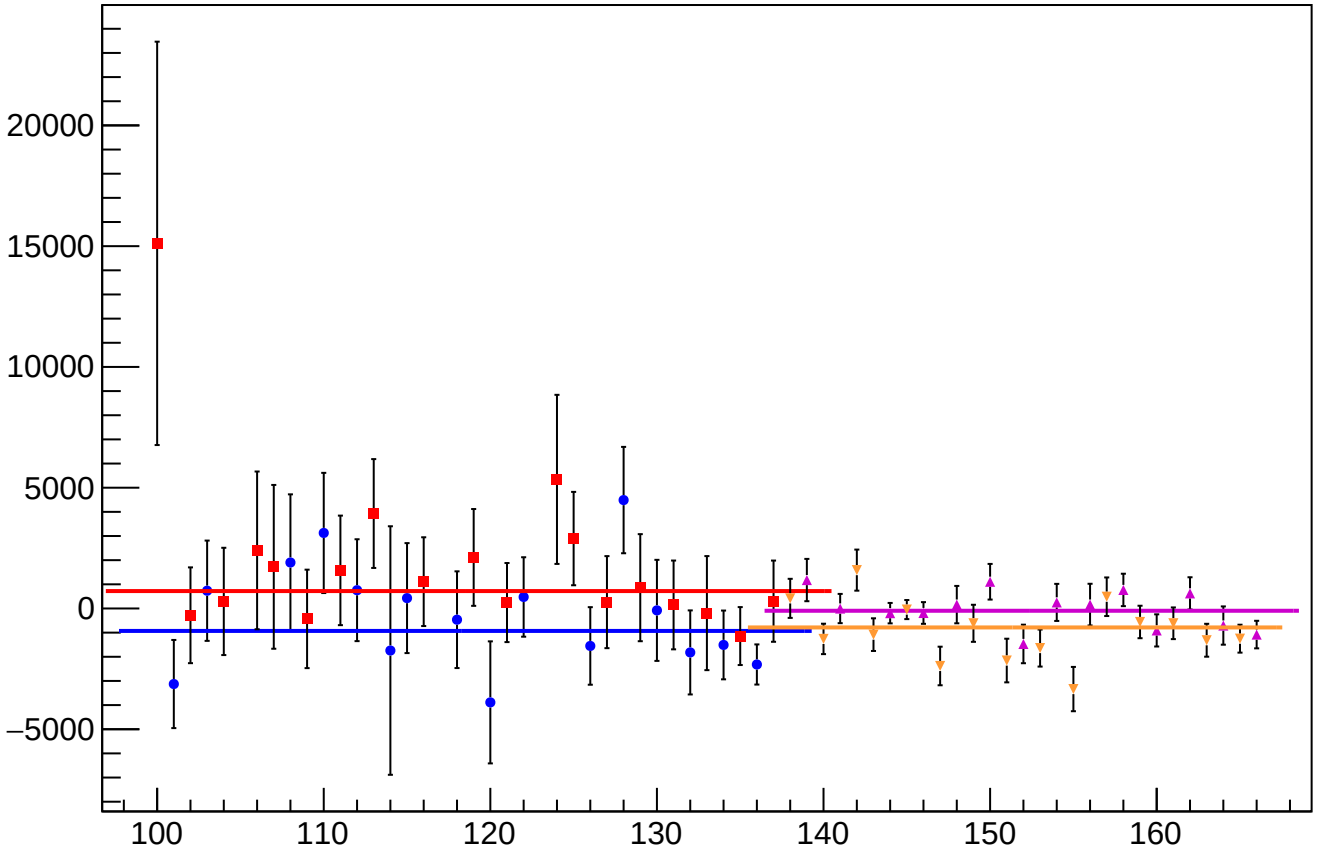
Left: 64.254+/-0.010 χ^2/NDF: 532939.3/28

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 69.329+/-0.012 χ^2/NDF:2034230.9/29

Out: 70.523+/-0.012 χ^2/NDF:2191357.1/33

All: 69.922+/-0.008 χ^2/NDF: 4230724.6/63



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -785.291+/-174.930 χ^2/NDF:33.6/14

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -94.884+/-171.258 χ^2/NDF:16.1/13

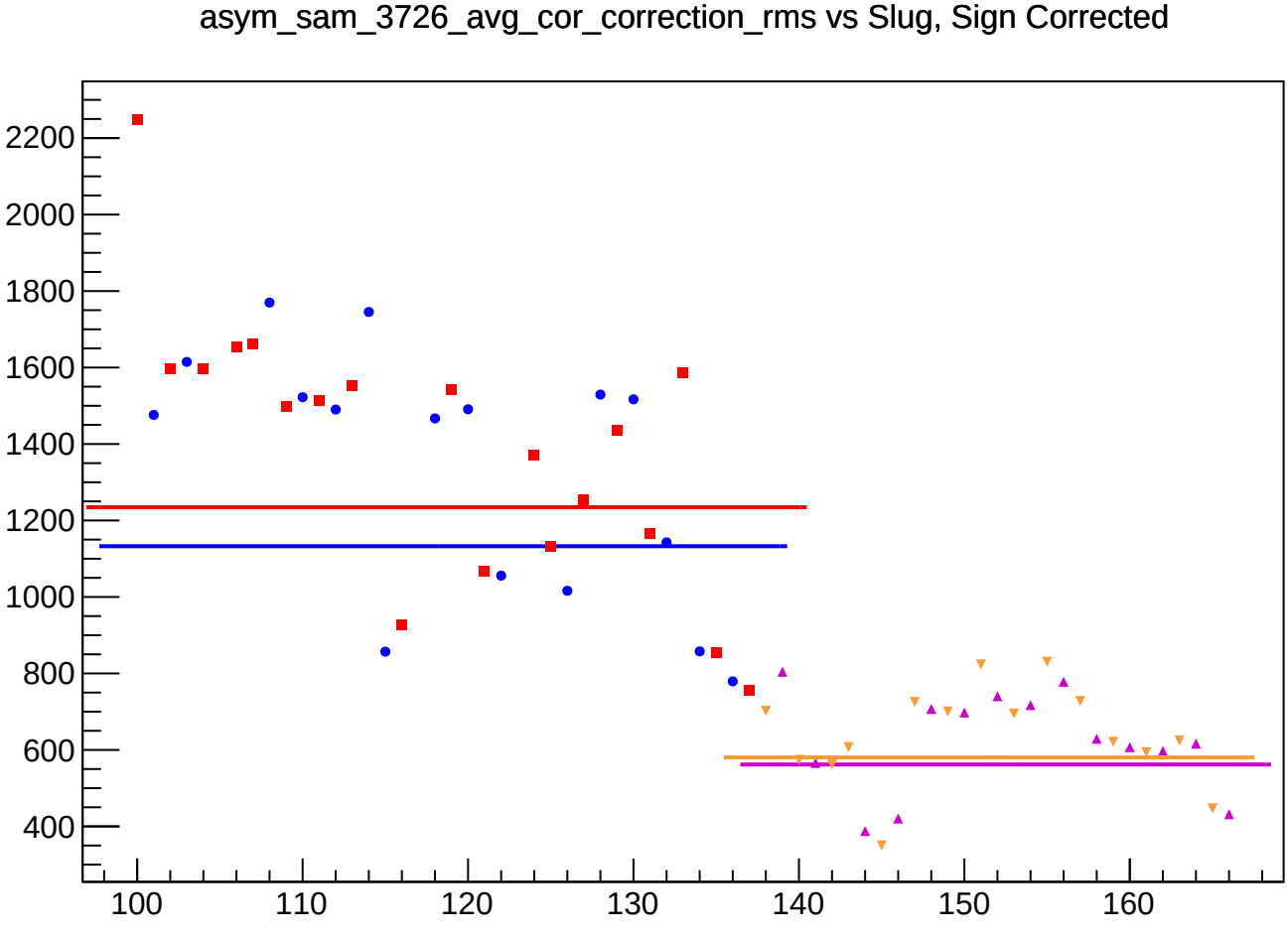
Left: -432.765+/-122.375 χ^2/NDF: 57.7/28

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -204.340+/-159.638 χ^2/NDF:37.8/29

Out: -601.062+/-163.881 χ^2/NDF:55.2/33

All: -397.499+/-114.352 χ^2/NDF: 95.9/63



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 561.895+/-0.121 χ^2/NDF:1285336.6/13

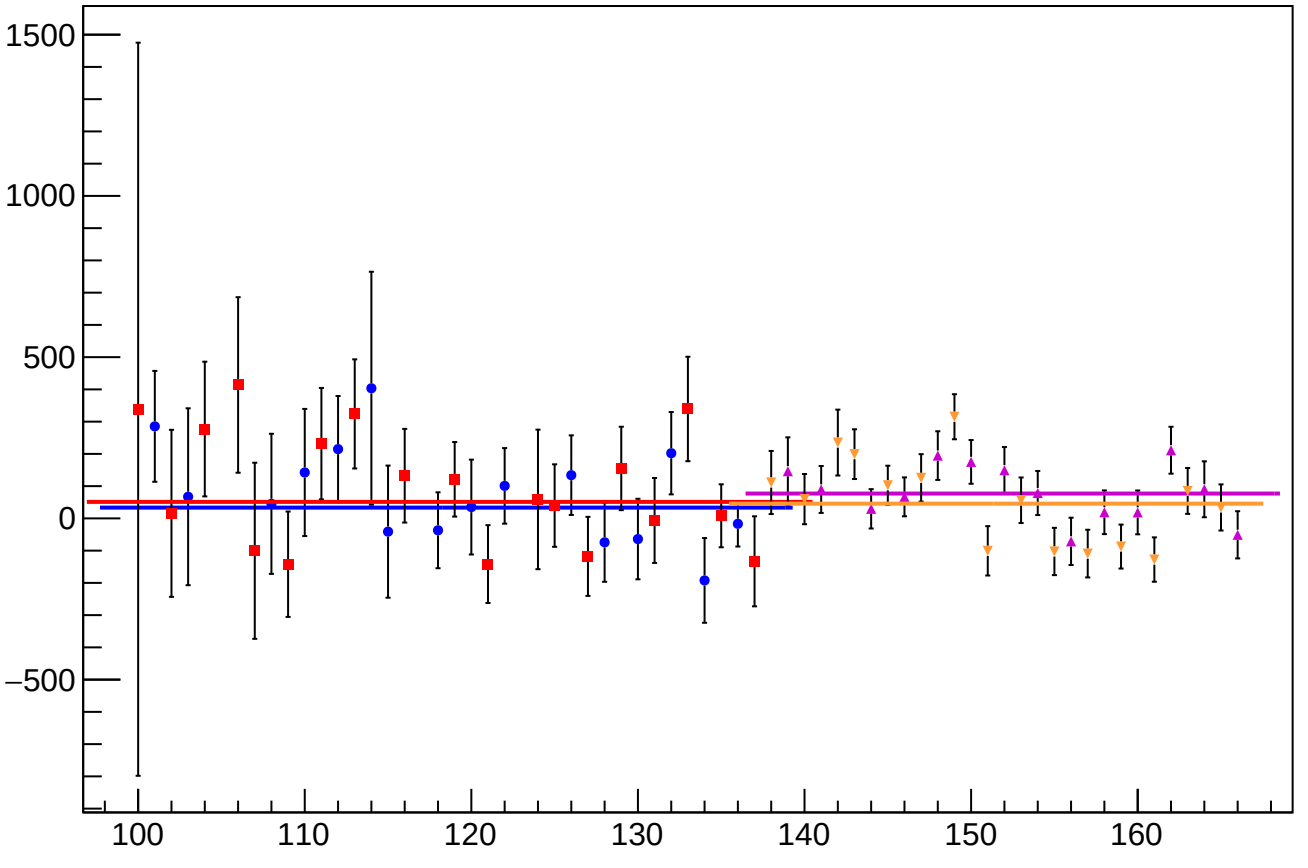
Left: 570.928+/-0.087 χ^2/NDF: 2670056.9/28

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 636.726+/-0.113 χ^2/NDF:5322183.6/29

Out: 660.404+/-0.116 χ^2/NDF:5673313.6/33

All: 648.255+/-0.081 χ^2/NDF: 11016919.7/63



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 77.035+/-19.060 χ^2/NDF:18.7/13

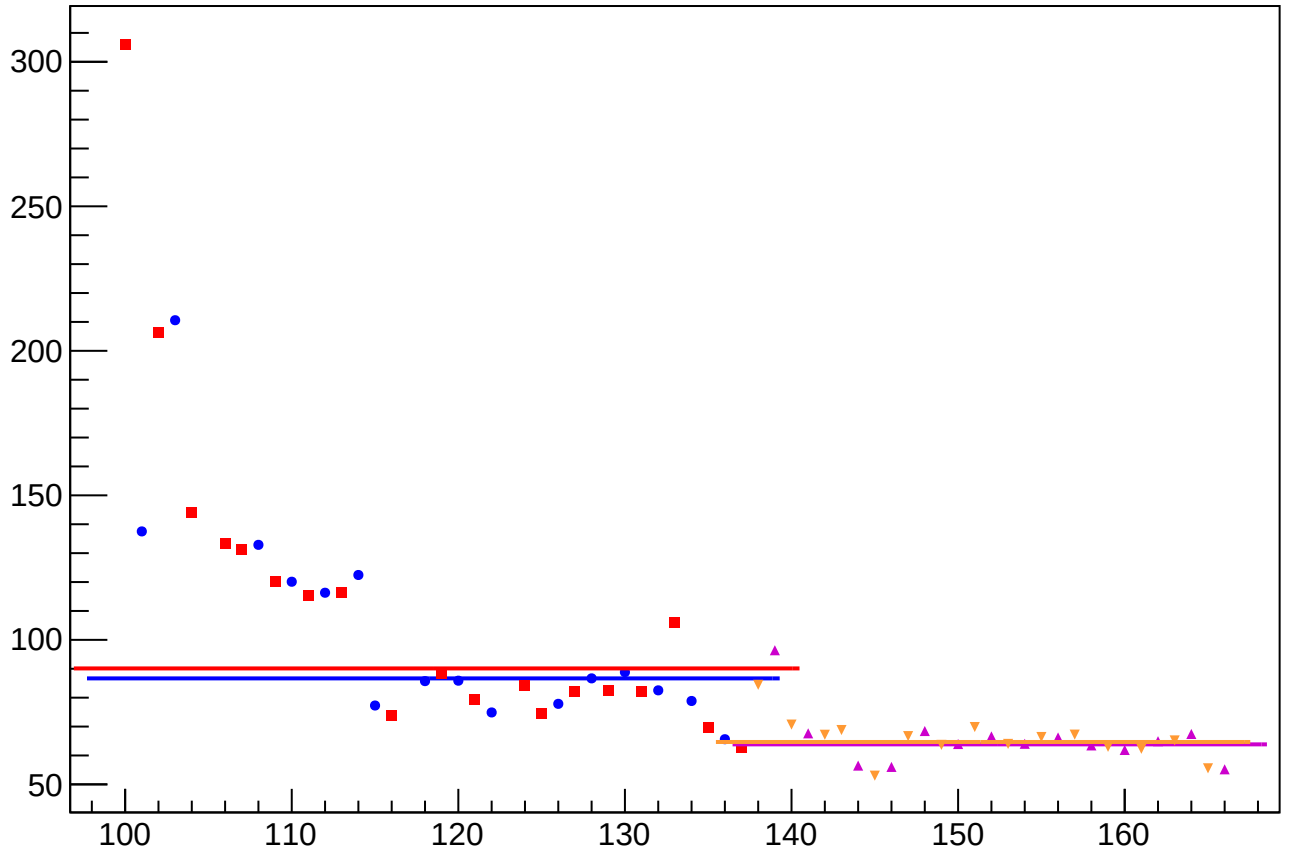
Left: 61.368+/-13.476 χ^2/NDF: 67.5/28

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 66.551+/-16.612 χ^2/NDF:32.8/29

Out: 46.968+/-16.720 χ^2/NDF:67.0/33

All: 56.823+/-11.784 χ^2/NDF: 100.5/63



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.842+/-0.013 χ^2/NDF:305951.5/13

Left: 64.254+/-0.010 χ^2/NDF: 532939.3/28

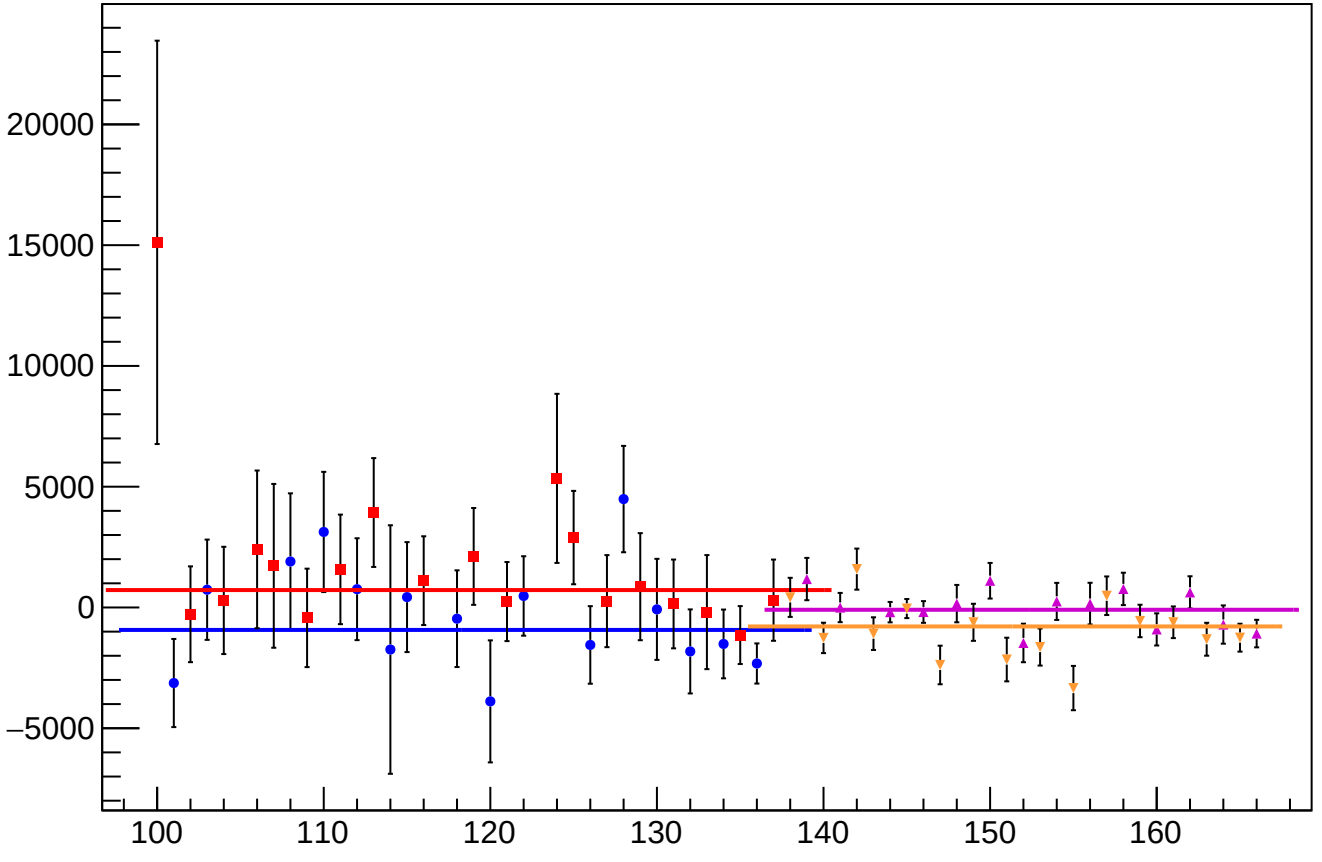
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 69.329+/-0.012 χ^2/NDF:2034230.9/29

Out: 70.523+/-0.012 χ^2/NDF:2191357.1/33

All: 69.922+/-0.008 χ^2/NDF: 4230724.6/63

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -785.291+/-174.930 χ^2/NDF:33.6/14

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -94.884+/-171.258 χ^2/NDF:16.1/13

Left: -432.765+/-122.375 χ^2/NDF: 57.7/28

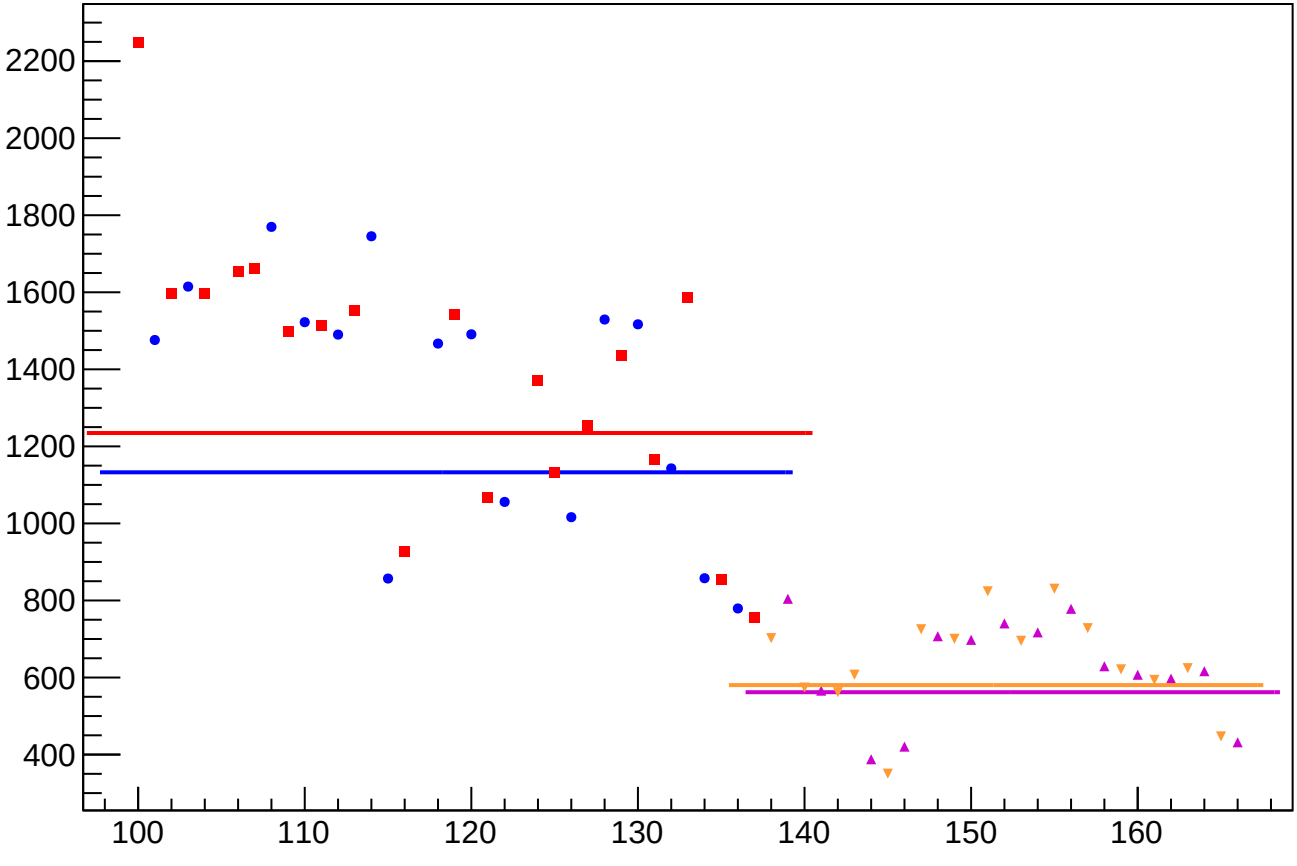
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -204.340+/-159.638 χ^2/NDF:37.8/29

Out: -601.062+/-163.881 χ^2/NDF:55.2/33

All: -397.499+/-114.352 χ^2/NDF: 95.9/63

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 561.895+/-0.121 χ^2/NDF:1285336.6/13

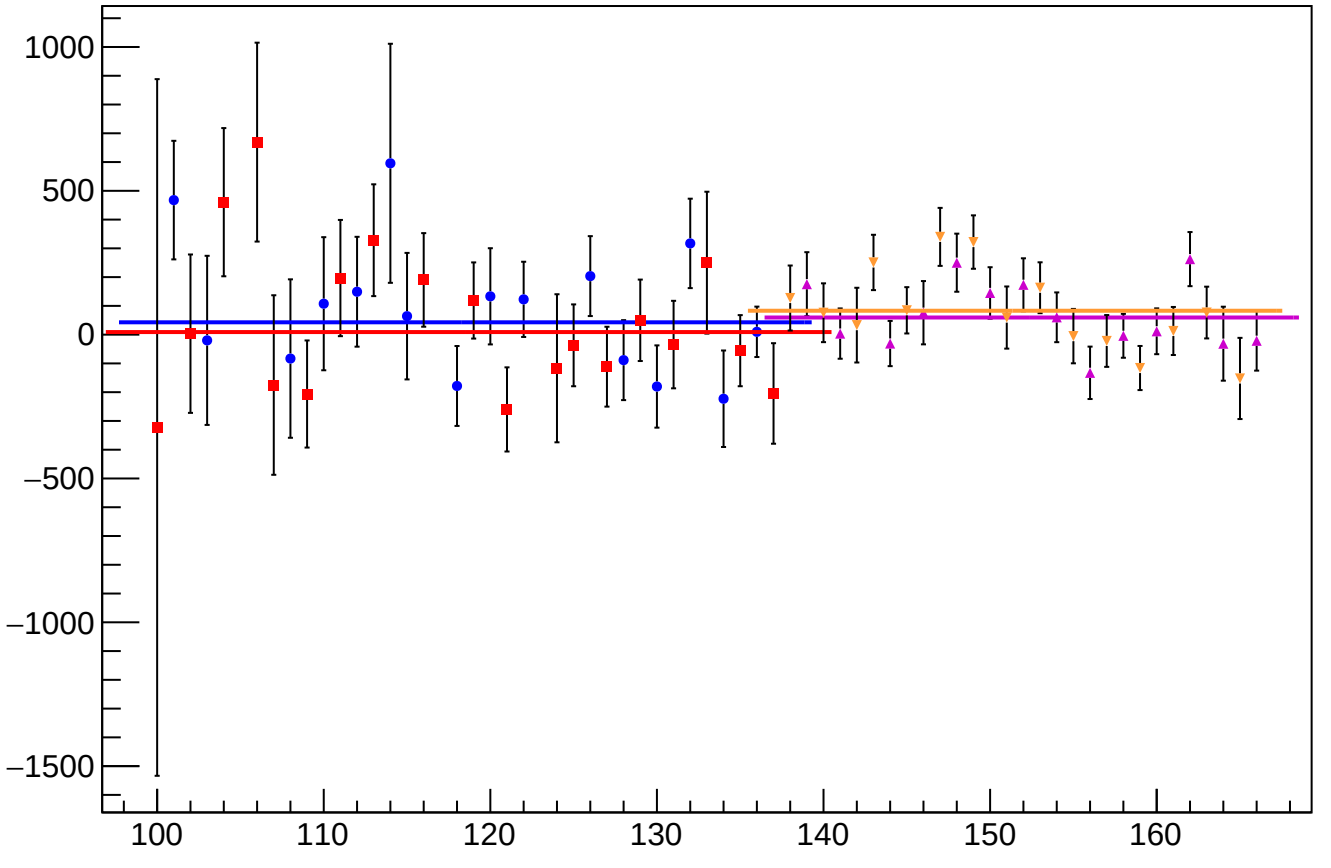
Left: 570.928+/-0.087 χ^2/NDF: 2670056.9/28

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 636.726+/-0.113 χ^2/NDF:5322183.6/29

Out: 660.404+/-0.116 χ^2/NDF:5673313.6/33

All: 648.255+/-0.081 χ^2/NDF: 11016919.7/63



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.108+/-24.647 χ^2/NDF:29.8/14

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 59.601+/-24.641 χ^2/NDF:20.1/13

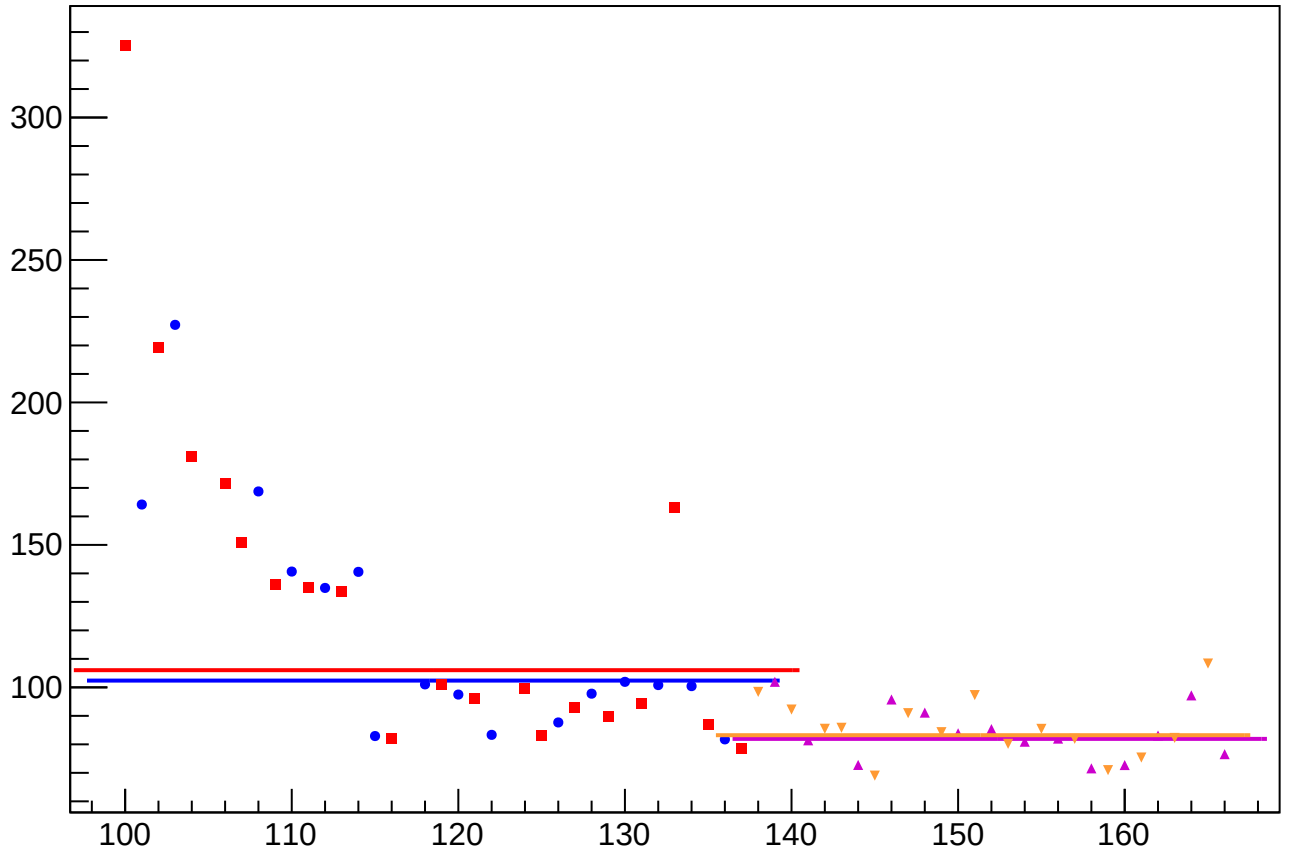
Left: 71.352+/-17.426 χ^2/NDF: 50.4/28

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 55.002+/-20.972 χ^2/NDF:40.6/29

Out: 63.475+/-21.132 χ^2/NDF:53.5/33

All: 59.206+/-14.886 χ^2/NDF: 94.2/63



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.211+/-0.017 χ^2/NDF:298352.4/14

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.918+/-0.017 χ^2/NDF:241473.2/13

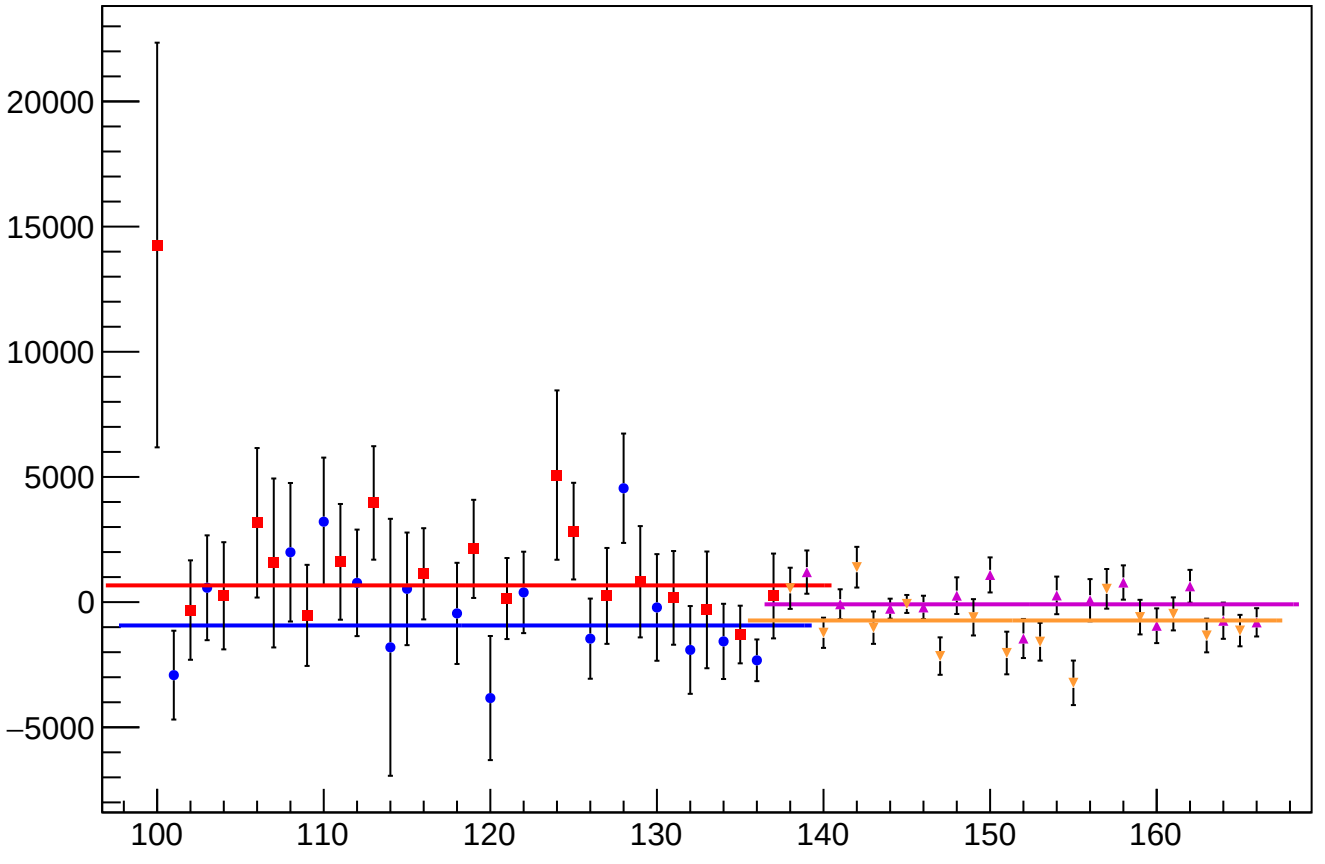
Left: 82.564+/-0.012 χ^2/NDF: 542580.8/28

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 87.557+/-0.015 χ^2/NDF:1603842.7/29

Out: 89.256+/-0.015 χ^2/NDF:1943829.6/33

All: 88.400+/-0.011 χ^2/NDF: 3554185.8/63



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -732.797+/-169.761 χ^2/NDF:32.6/14

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -87.629+/-168.205 χ^2/NDF:15.6/13

Left: -407.242+/-119.485 χ^2/NDF: 55.5/28

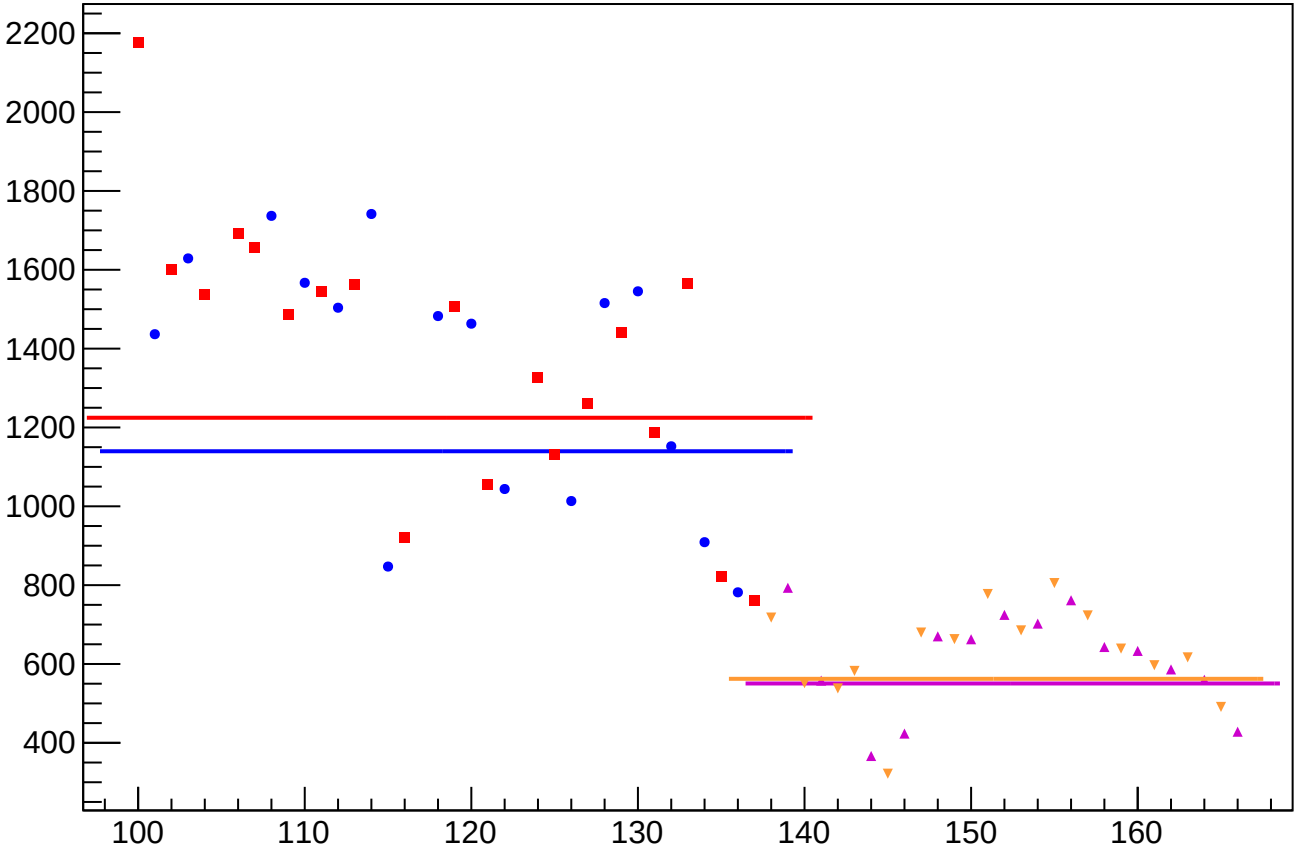
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -194.186+/-157.239 χ^2/NDF:37.3/29

Out: -566.869+/-159.394 χ^2/NDF:54.1/33

All: -377.991+/-111.939 χ^2/NDF: 94.2/63

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 562.376+/-0.120 χ^2/NDF:1543117.6/14

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 550.559+/-0.119 χ^2/NDF:1307106.9/13

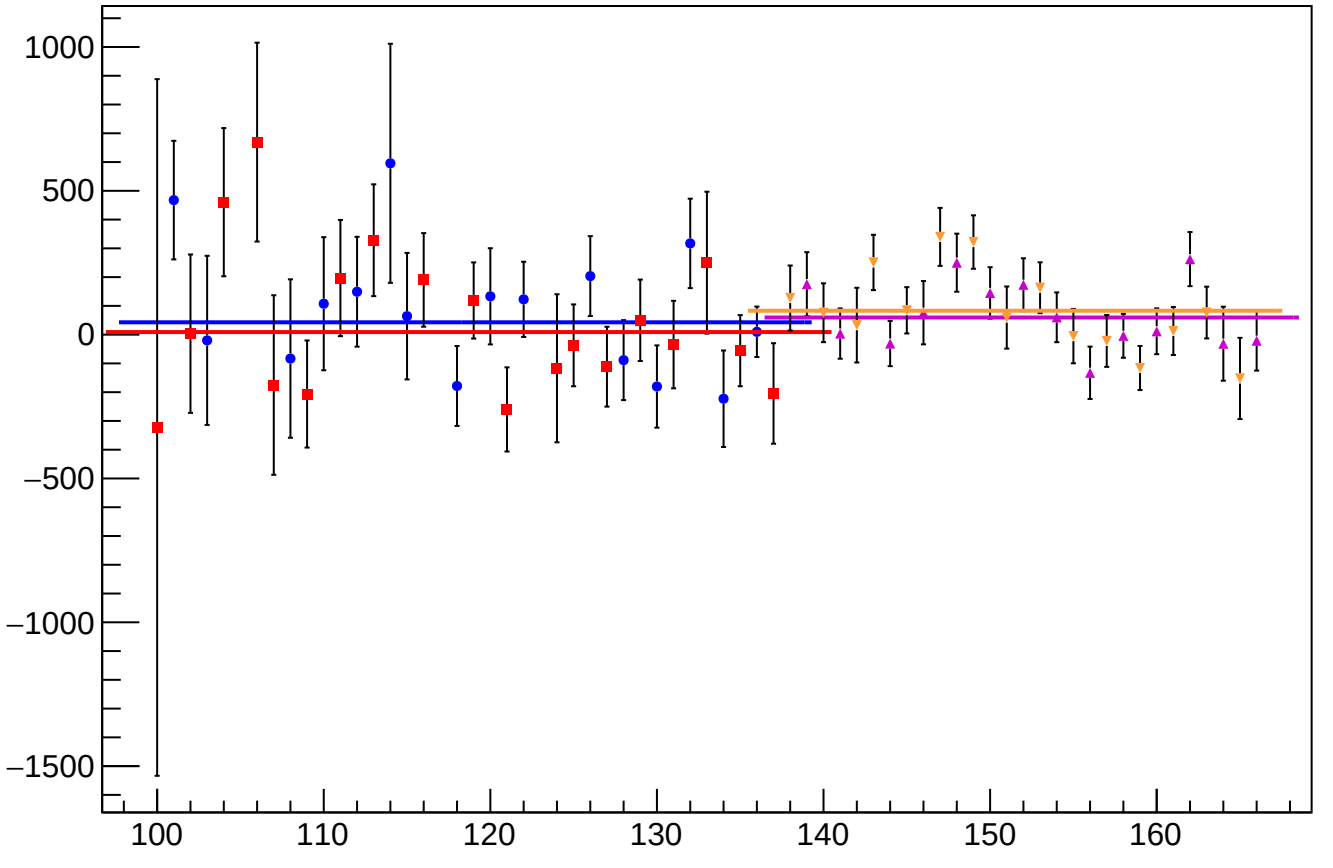
Left: 556.413+/-0.084 χ^2/NDF: 2855115.0/28

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 624.867+/-0.111 χ^2/NDF:5494951.7/29

Out: 640.793+/-0.113 χ^2/NDF:6069586.7/33

All: 632.722+/-0.079 χ^2/NDF: 11574657.4/63



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.109+/-24.647 χ^2/NDF:29.8/14

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 59.599+/-24.641 χ^2/NDF:20.1/13

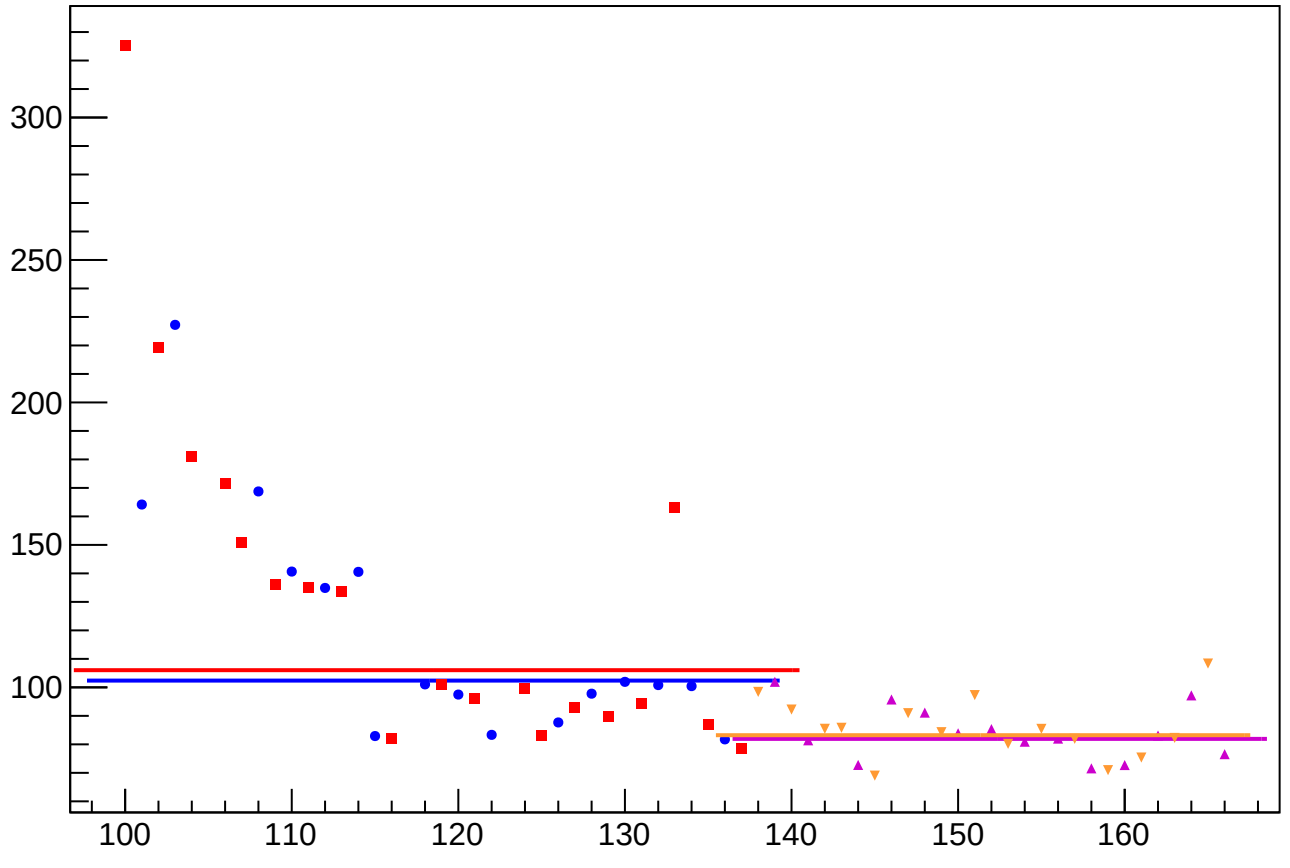
Left: 71.351+/-17.426 χ^2/NDF: 50.4/28

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 55.001+/-20.972 χ^2/NDF:40.6/29

Out: 63.475+/-21.132 χ^2/NDF:53.5/33

All: 59.206+/-14.886 χ^2/NDF: 94.2/63



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.212+/-0.017 χ^2/NDF:298347.0/14

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.918+/-0.017 χ^2/NDF:241479.7/13

Left: 82.565+/-0.012 χ^2/NDF: 542582.0/28

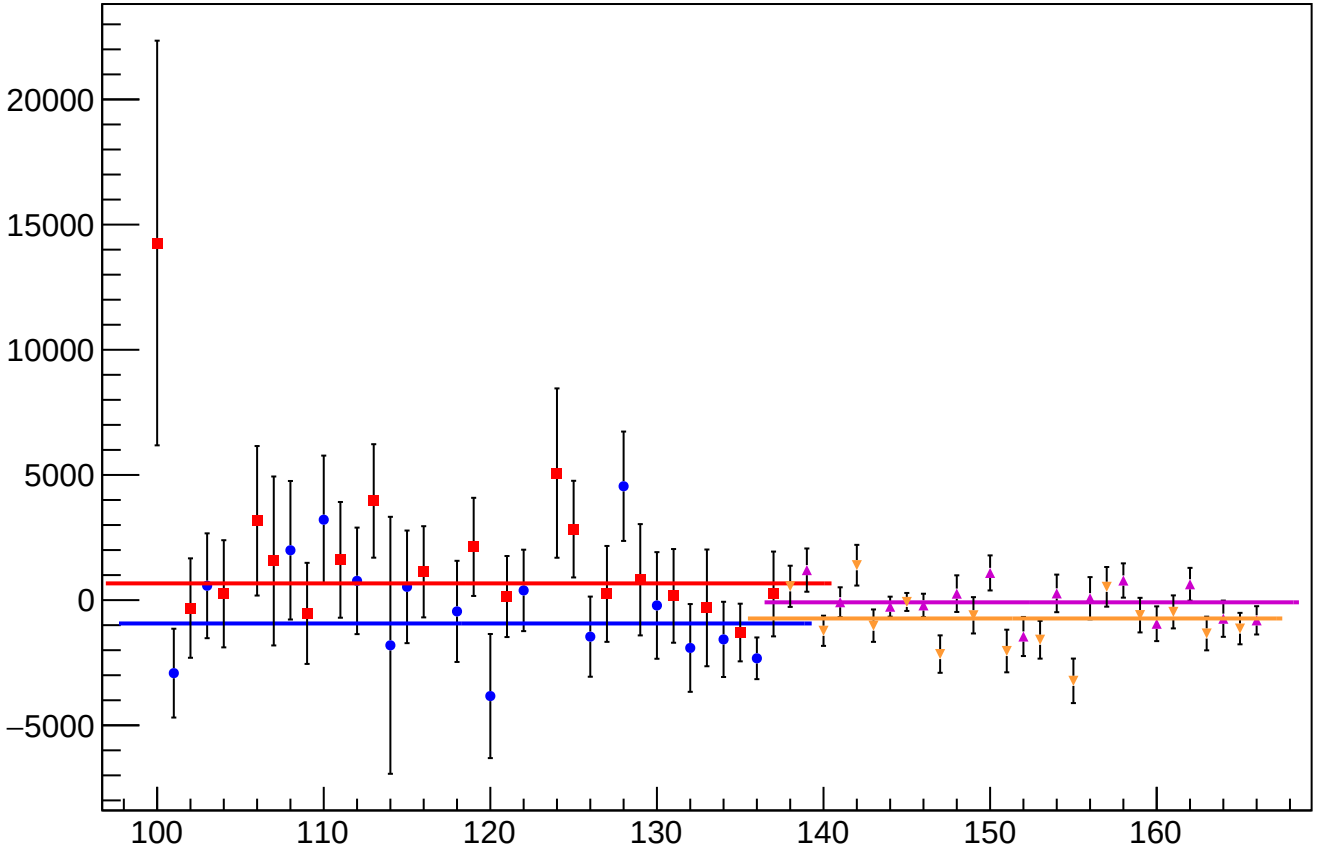
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 87.557+/-0.015 χ^2/NDF:1603827.9/29

Out: 89.256+/-0.015 χ^2/NDF:1943811.4/33

All: 88.400+/-0.011 χ^2/NDF: 3554153.3/63

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -732.795+/-169.761 χ^2/NDF:32.6/14

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -87.630+/-168.205 χ^2/NDF:15.6/13

Left: -407.242+/-119.485 χ^2/NDF: 55.5/28

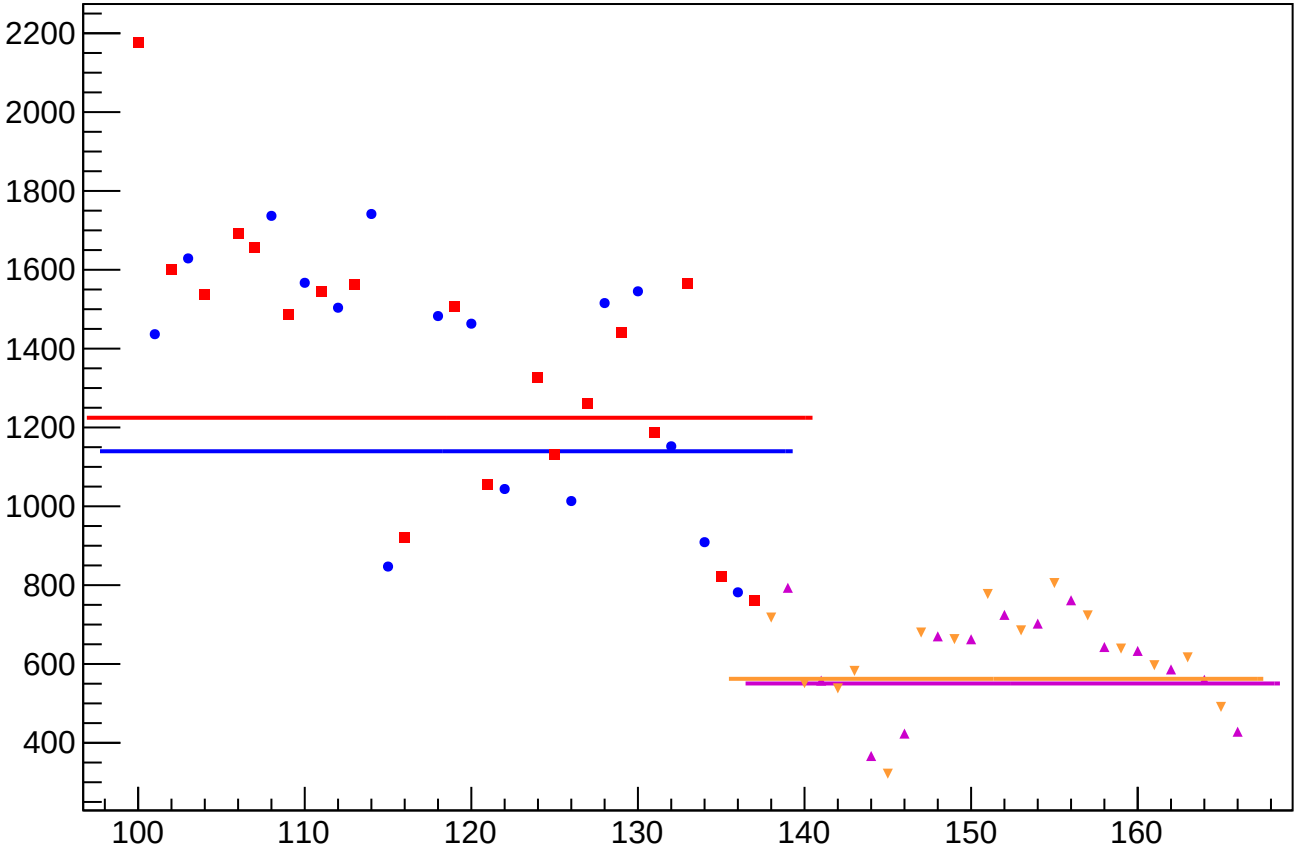
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -194.187+/-157.239 χ^2/NDF:37.3/29

Out: -566.867+/-159.394 χ^2/NDF:54.1/33

All: -377.990+/-111.939 χ^2/NDF: 94.2/63

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 562.375+/-0.120 χ^2/NDF:1543137.2/14

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 550.558+/-0.119 χ^2/NDF:1307111.0/13

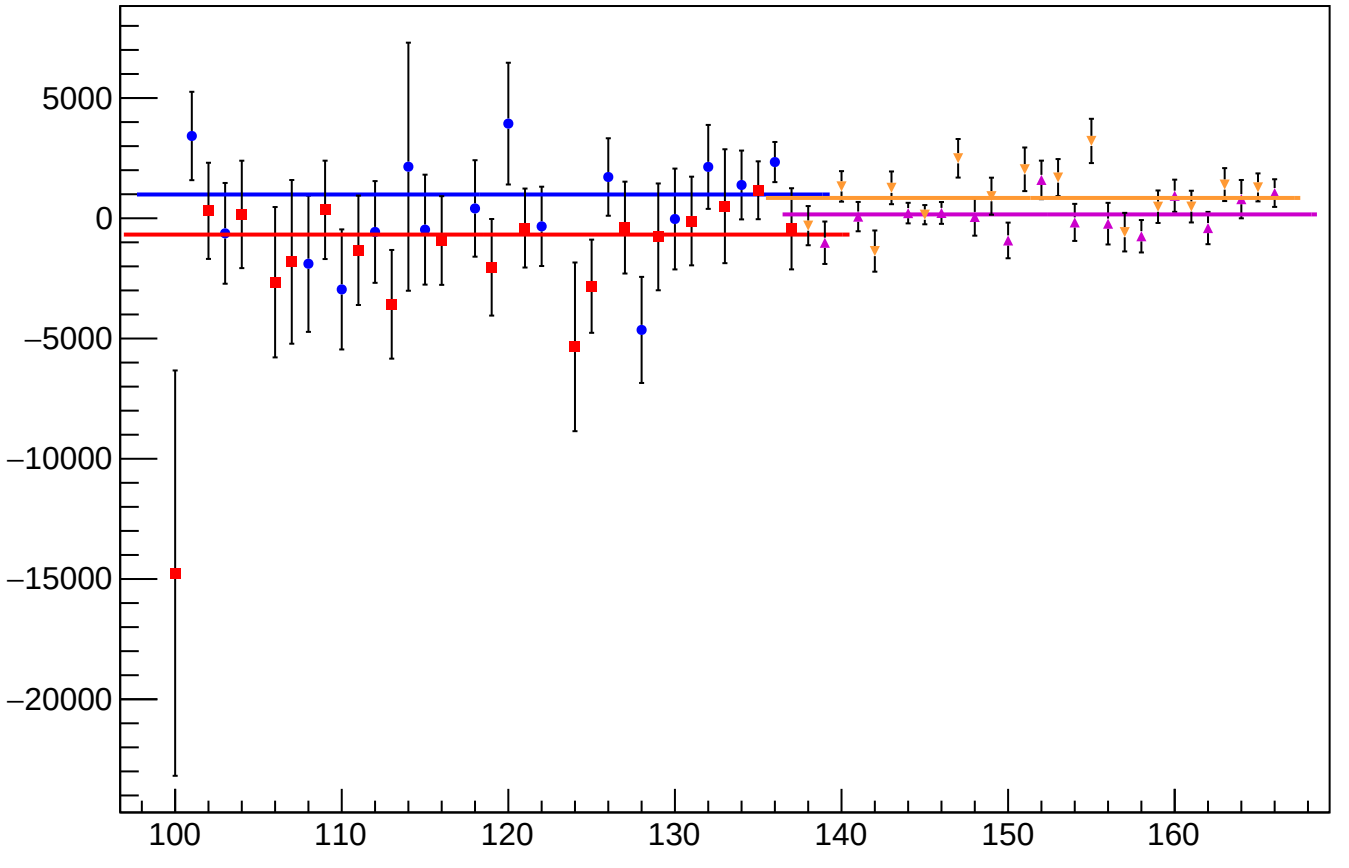
Left: 556.412+/-0.084 χ^2/NDF: 2855138.3/28

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 624.867+/-0.111 χ^2/NDF:5494945.7/29

Out: 640.792+/-0.113 χ^2/NDF:6069602.5/33

All: 632.721+/-0.079 χ^2/NDF: 11574666.5/63



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 845.747+/-176.181 χ^2/NDF:31.4/14

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 161.105+/-172.540 χ^2/NDF:14.5/13

Left: 496.280+/-123.271 χ^2/NDF: 53.6/28

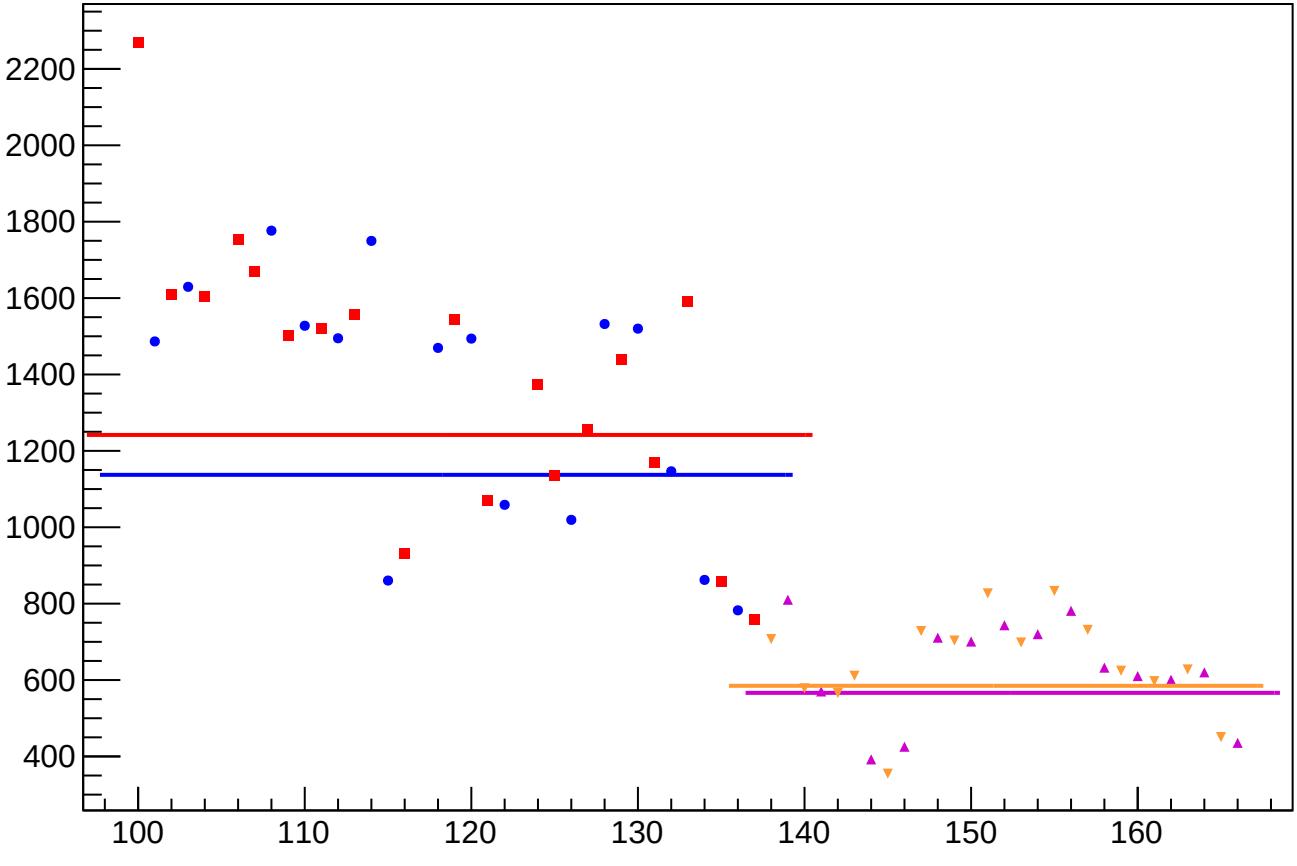
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 270.351+/-160.759 χ^2/NDF:36.5/29

Out: 657.820+/-164.956 χ^2/NDF:52.5/33

All: 459.093+/-115.129 χ^2/NDF: 91.9/63

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 584.898+/-0.125 χ^2/NDF:1342476.1/14

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 566.467+/-0.122 χ^2/NDF:1258426.1/13

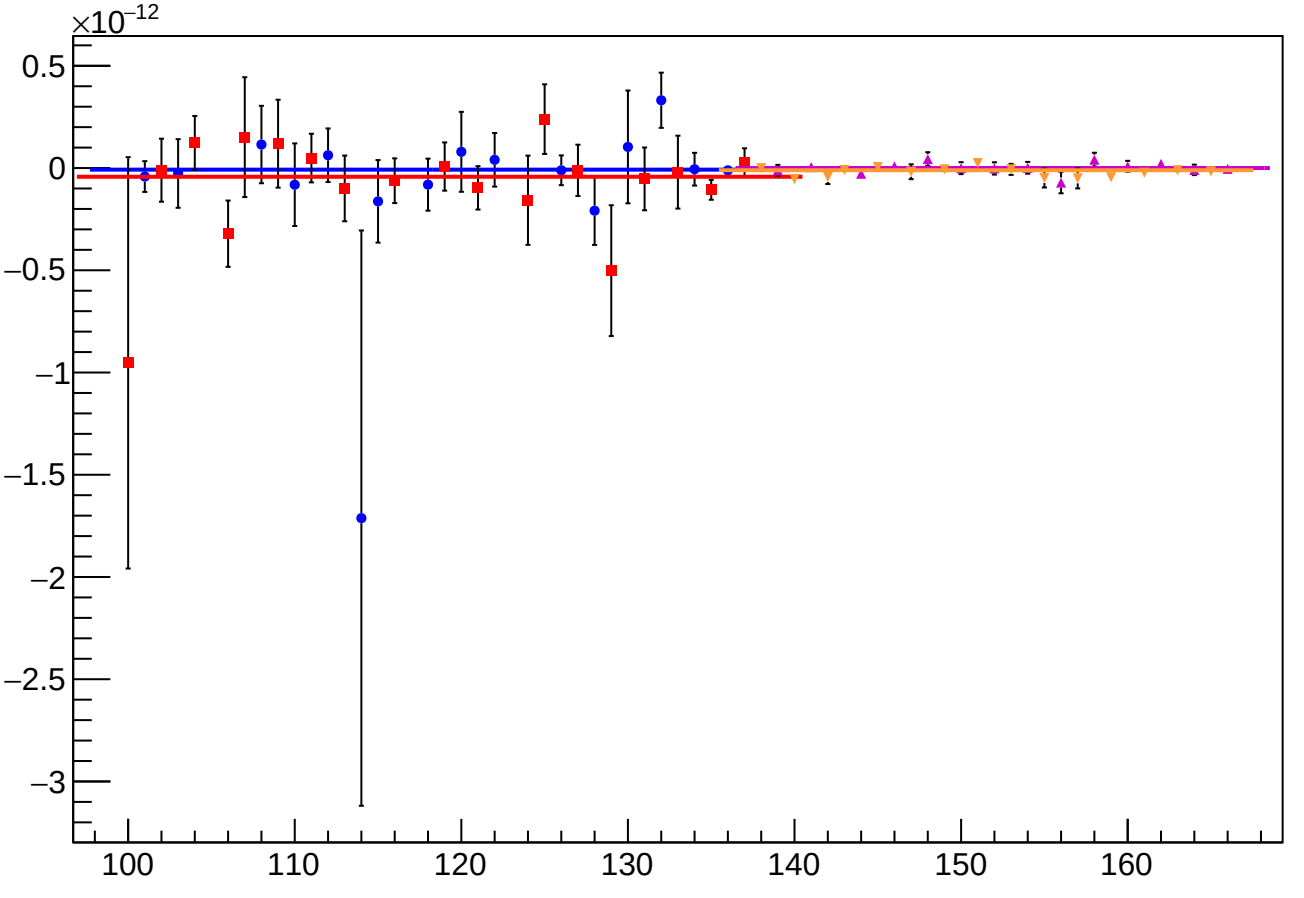
Left: 575.490+/-0.087 χ^2/NDF: 2612075.3/28

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 641.752+/-0.114 χ^2/NDF:5268823.5/29

Out: 665.924+/-0.117 χ^2/NDF:5670979.9/33

All: 653.527+/-0.081 χ^2/NDF: 10961830.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/13

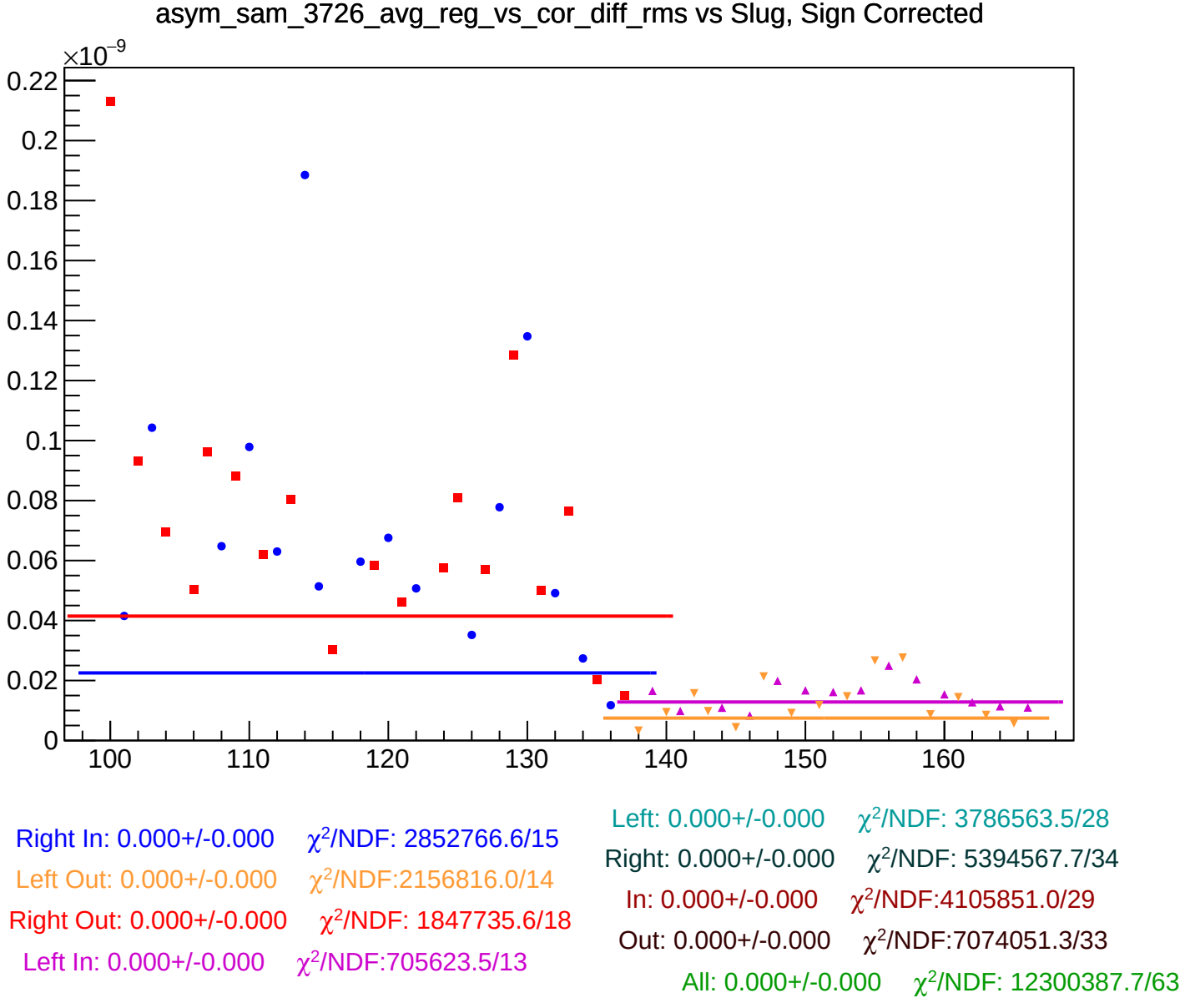
Left: -0.000+/-0.000 χ^2/NDF: 29.3/28

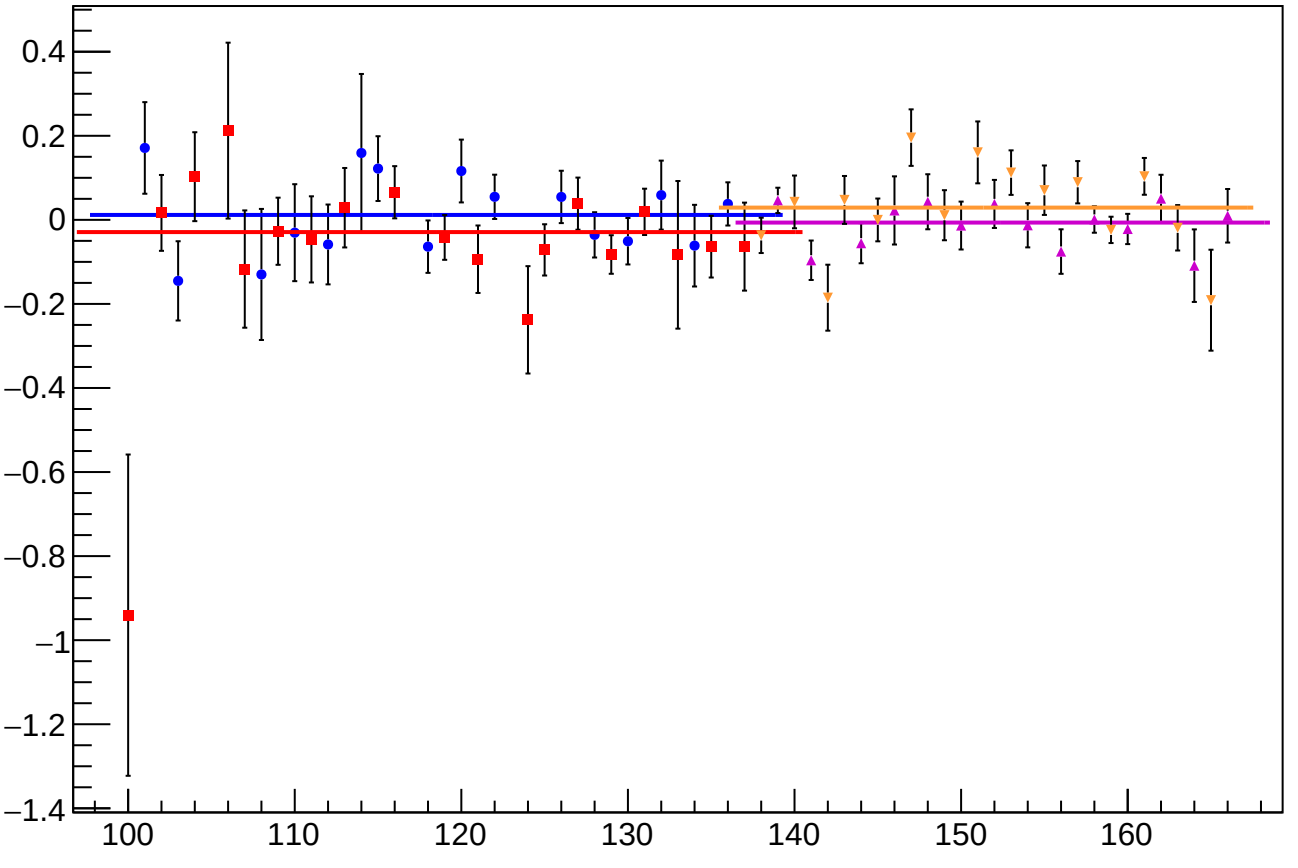
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:21.2/29

Out: -0.000+/-0.000 χ^2/NDF:35.1/33

All: -0.000+/-0.000 χ^2/NDF: 58.3/63


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2156816.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:705623.5/13
Left: 0.000+/-0.000 χ²/NDF: 3786563.5/28
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:4105851.0/29
Out: 0.000+/-0.000 χ²/NDF:7074051.3/33
All: 0.000+/-0.000 χ²/NDF: 12300387.7/63



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

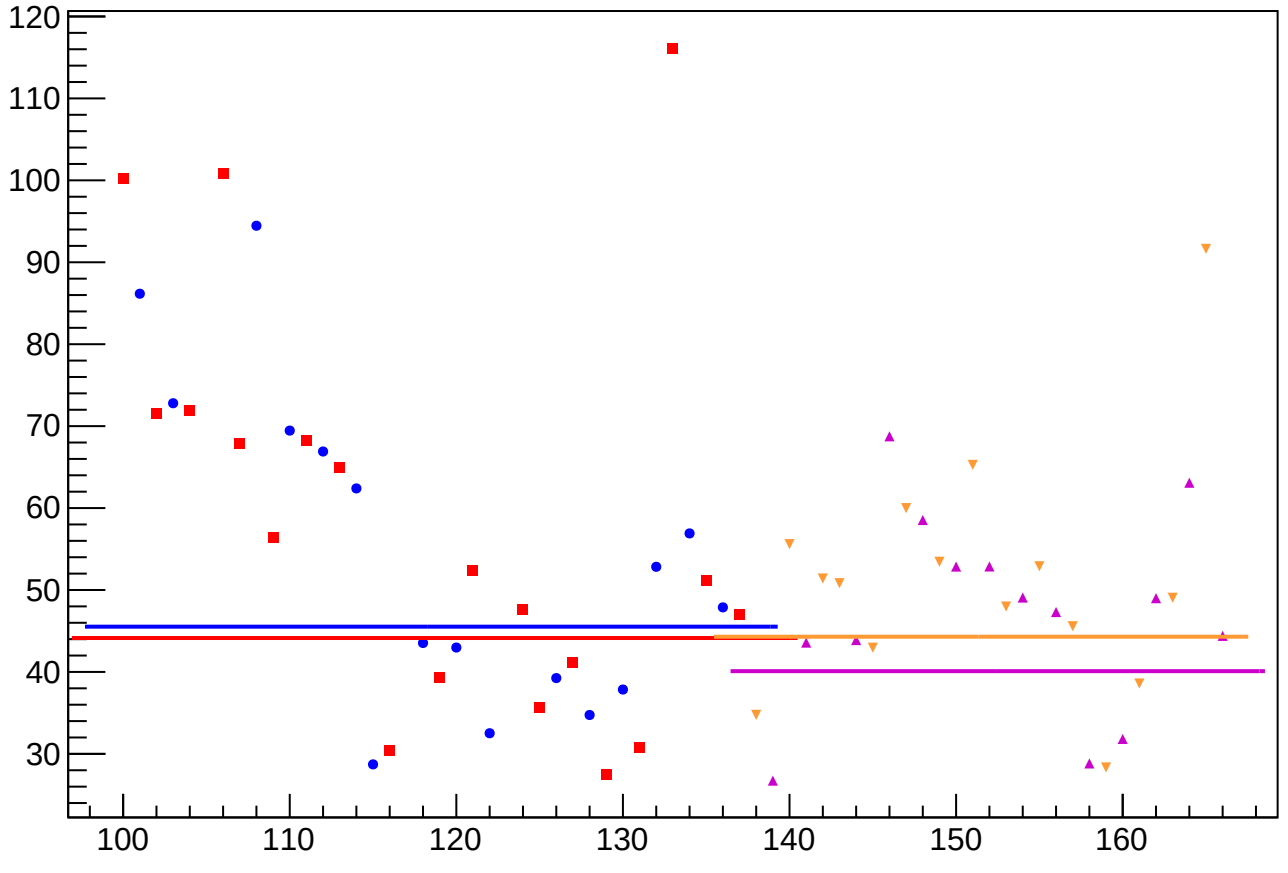
Left: 0.010+/-0.009 χ^2/NDF: 51.3/28

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/63



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.299+/-0.010 χ^2/NDF:1463814.7/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.095+/-0.009 χ^2/NDF:1684084.1/13

Left: 42.046+/-0.007 χ^2/NDF: 3249413.5/28

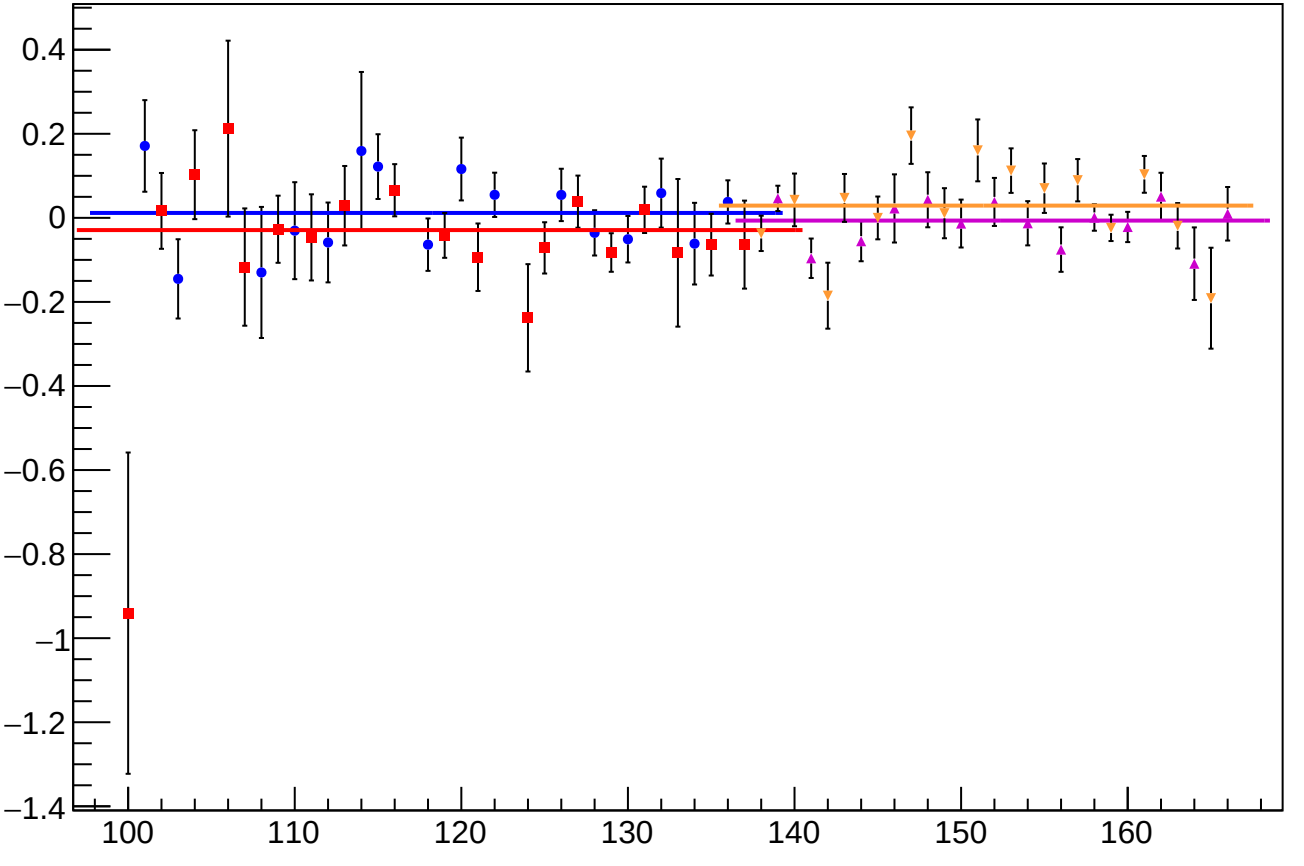
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.860+/-0.007 χ^2/NDF:3056655.3/29

Out: 44.241+/-0.008 χ^2/NDF:3207344.7/33

All: 43.004+/-0.005 χ^2/NDF: 6313954.2/63

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

Left: 0.010+/-0.009 χ^2/NDF: 51.3/28

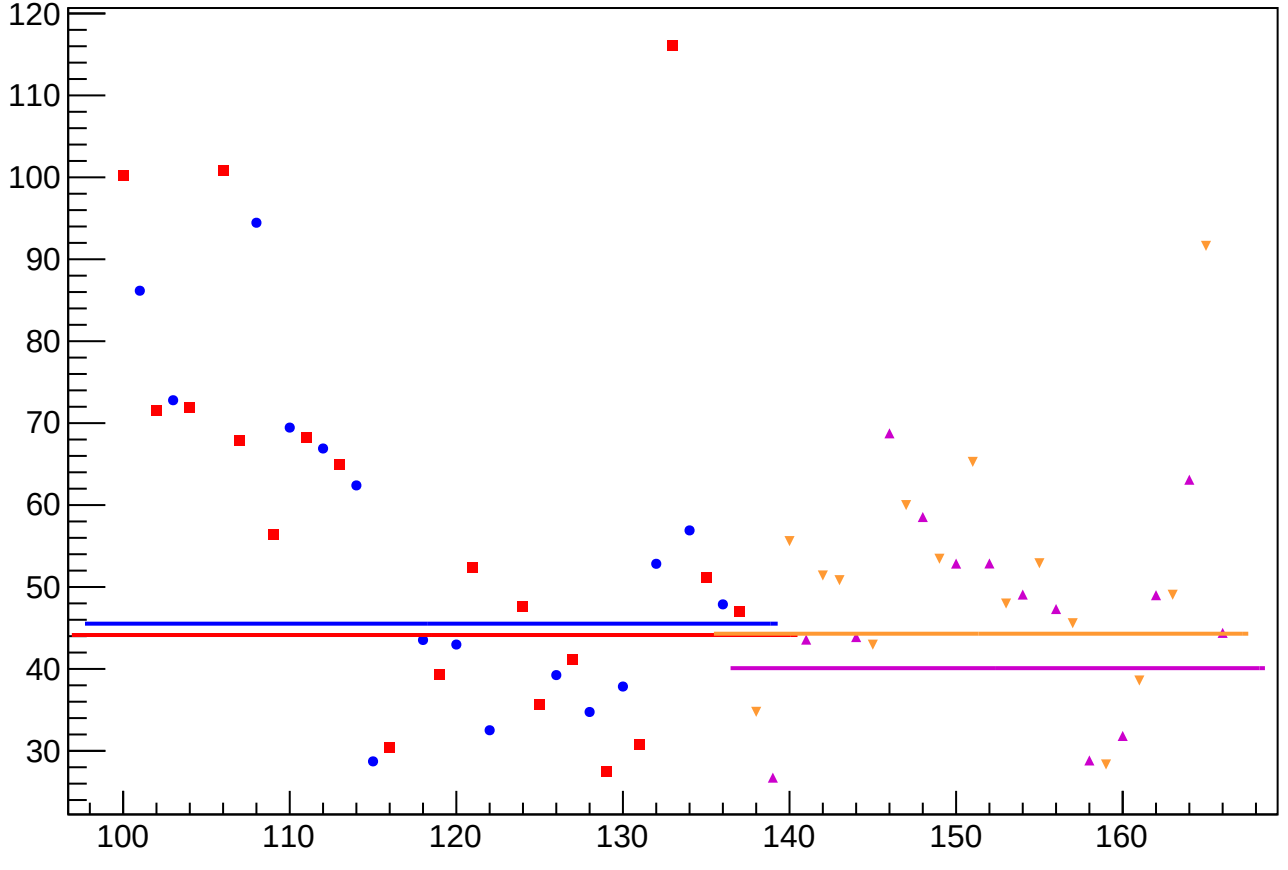
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/63

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.299+/-0.010 χ^2/NDF:1463814.7/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.095+/-0.009 χ^2/NDF:1684084.1/13

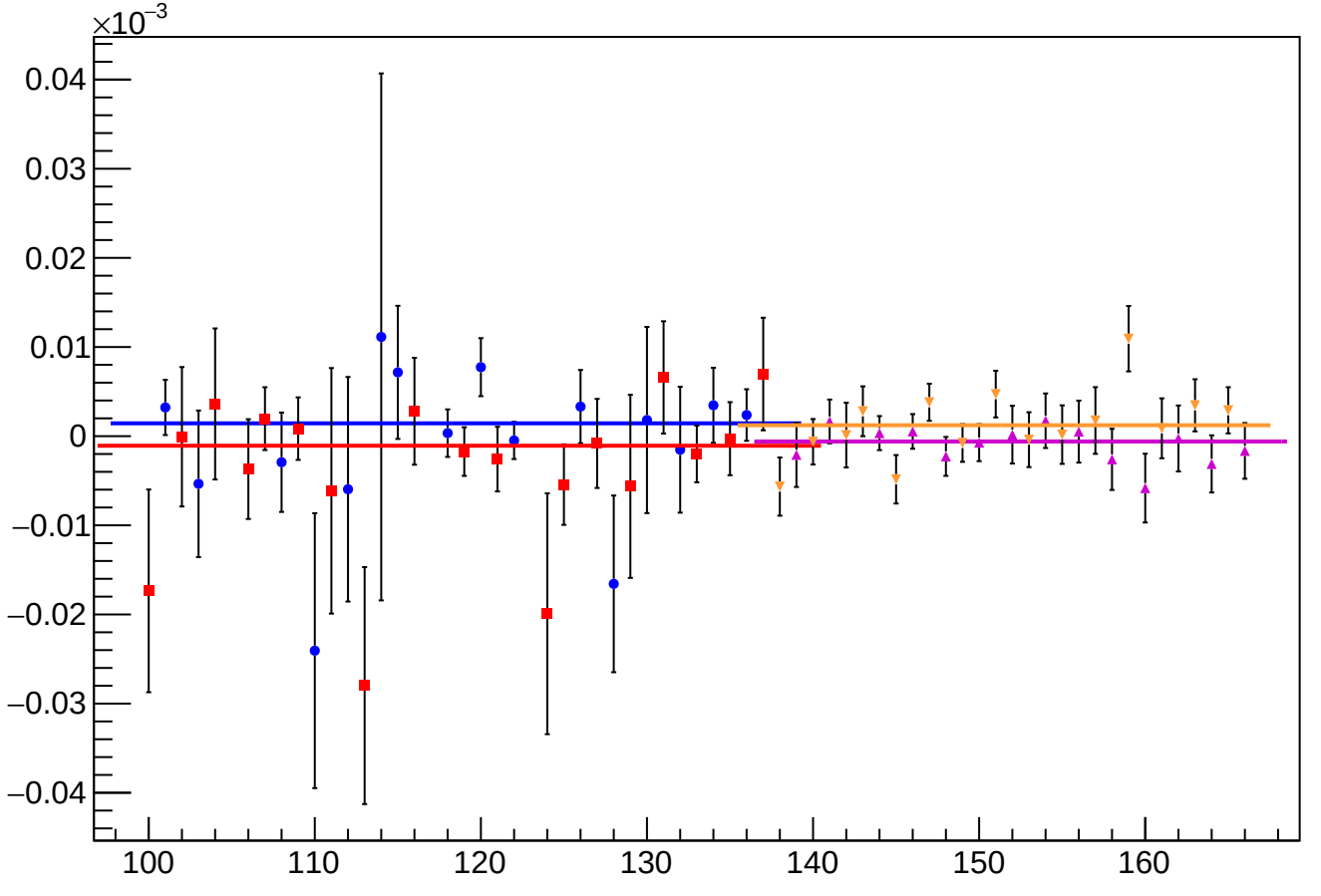
Left: 42.046+/-0.007 χ^2/NDF: 3249413.5/28

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.860+/-0.007 χ^2/NDF:3056655.3/29

Out: 44.241+/-0.008 χ^2/NDF:3207344.7/33

All: 43.004+/-0.005 χ^2/NDF: 6313954.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/13

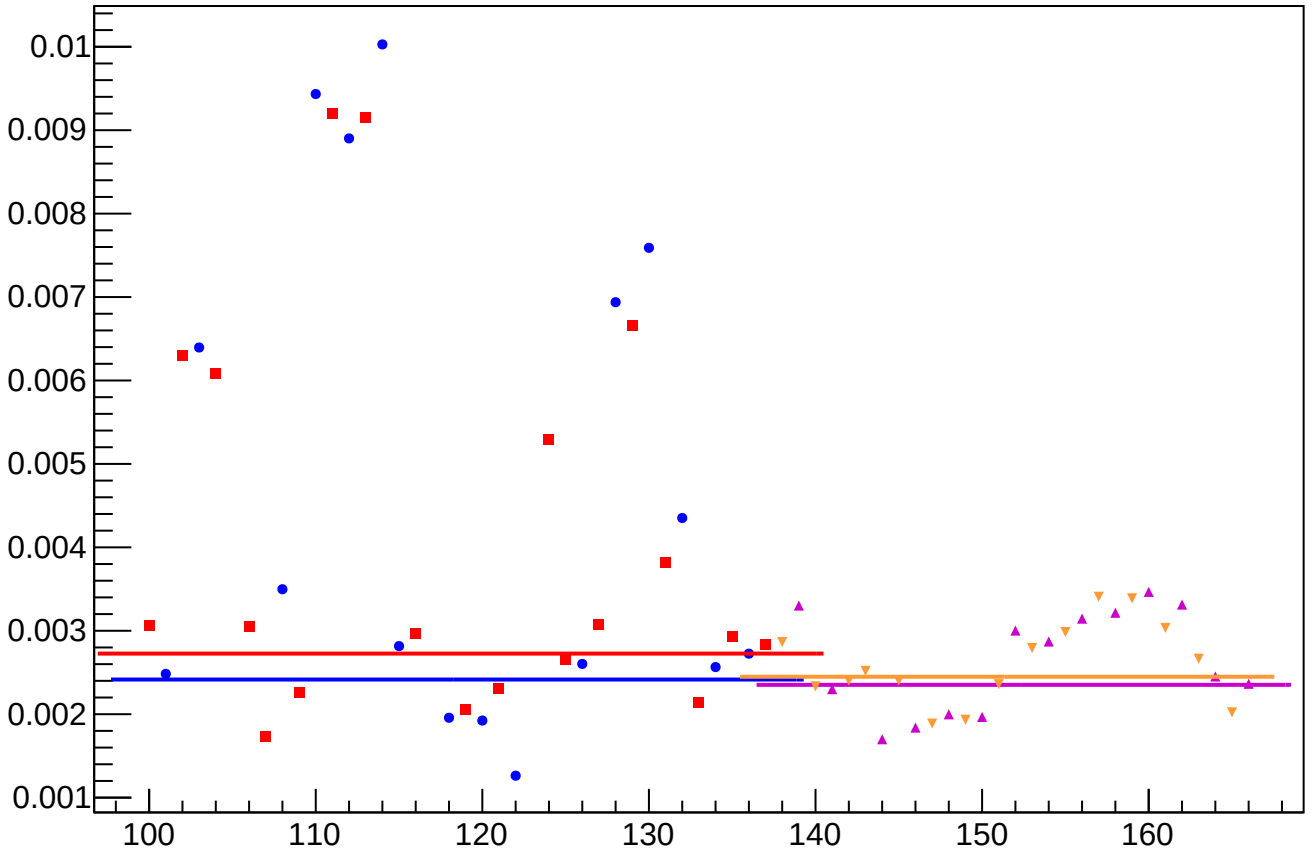
Left: 0.000+/-0.000 χ^2/NDF: 32.0/28

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:22.6/29

Out: 0.000+/-0.000 χ^2/NDF:40.8/33

All: 0.000+/-0.000 χ^2/NDF: 63.7/63



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:773423.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1306529.3/13

Left: 0.002+/-0.000 χ^2/NDF: 2097972.9/28

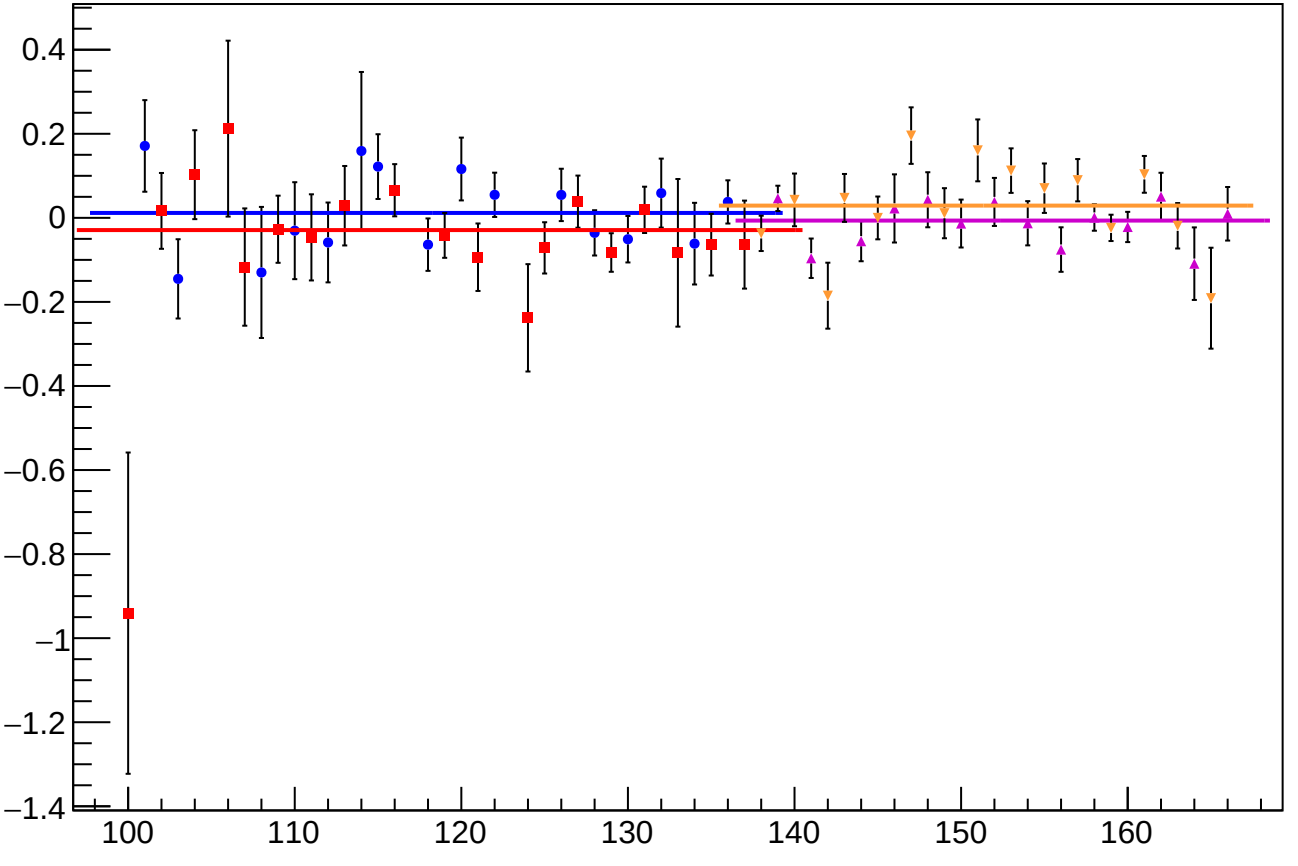
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4743709.8/29

Out: 0.003+/-0.000 χ^2/NDF:3364715.2/33

All: 0.002+/-0.000 χ^2/NDF: 8178173.2/63

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

Left: 0.010+/-0.009 χ^2/NDF: 51.3/28

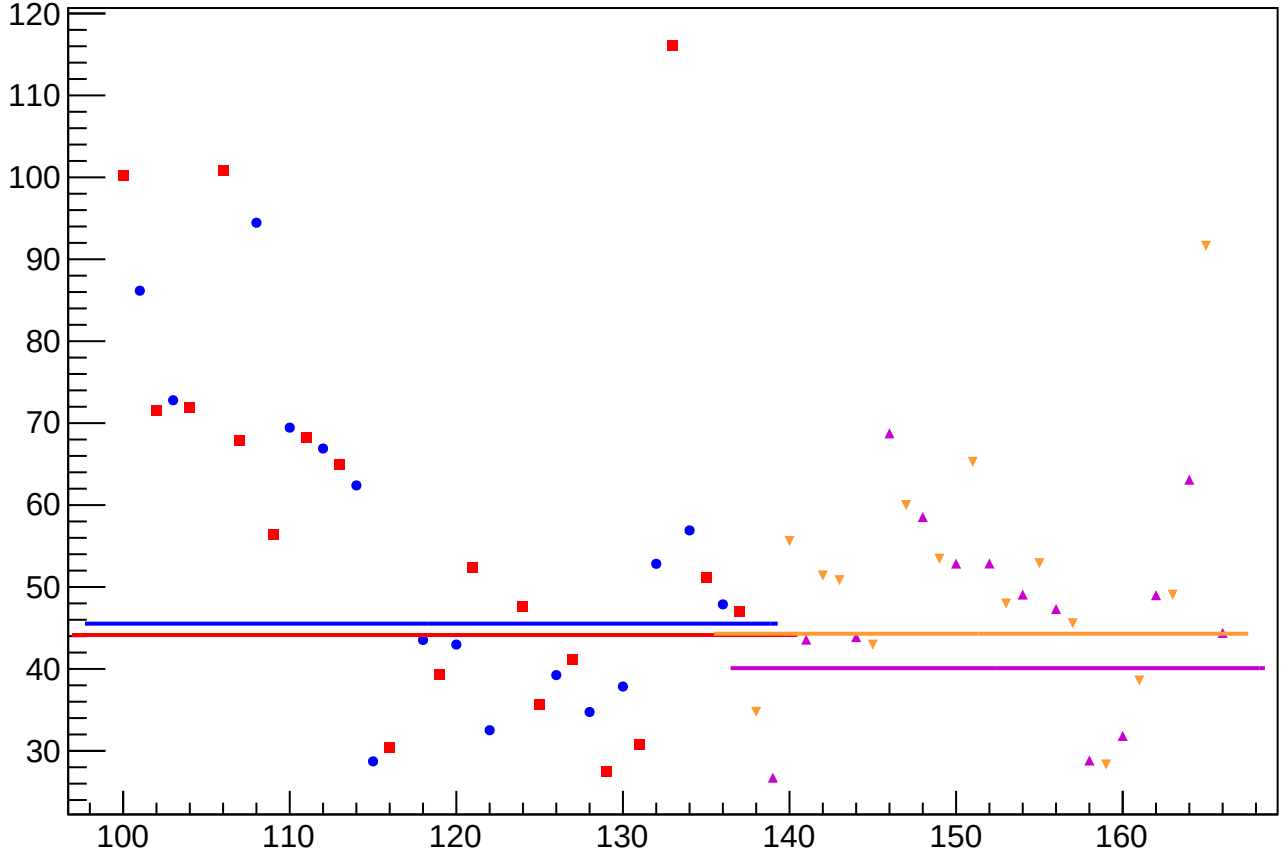
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/63

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.300+/-0.010 χ^2/NDF:1463861.2/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.095+/-0.009 χ^2/NDF:1684143.6/13

Left: 42.046+/-0.007 χ^2/NDF: 3249519.7/28

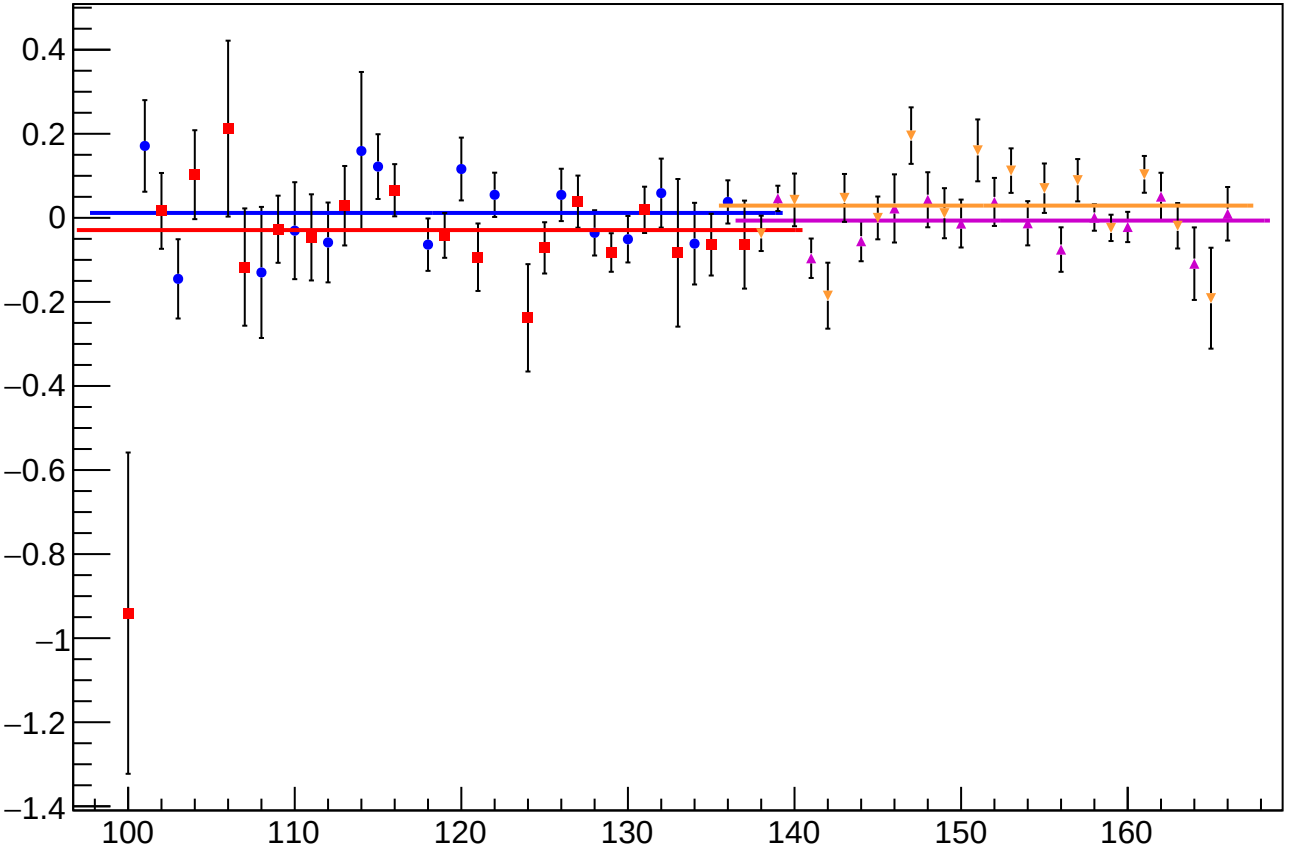
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.860+/-0.007 χ^2/NDF:3056661.3/29

Out: 44.241+/-0.008 χ^2/NDF:3207311.1/33

All: 43.005+/-0.005 χ^2/NDF: 6313931.5/63

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.013 χ^2/NDF:13.5/13

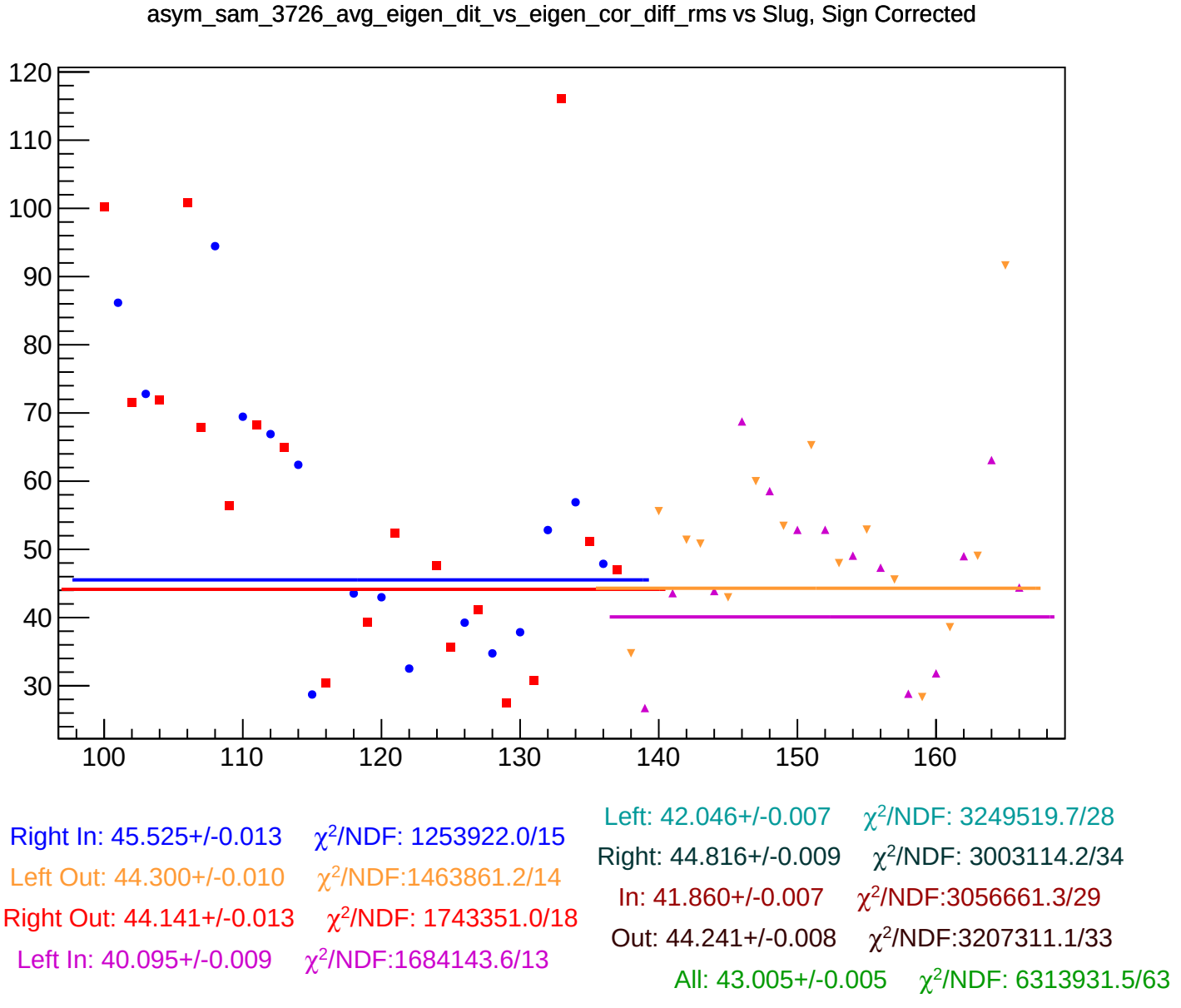
Left: 0.010+/-0.009 χ^2/NDF: 51.3/28

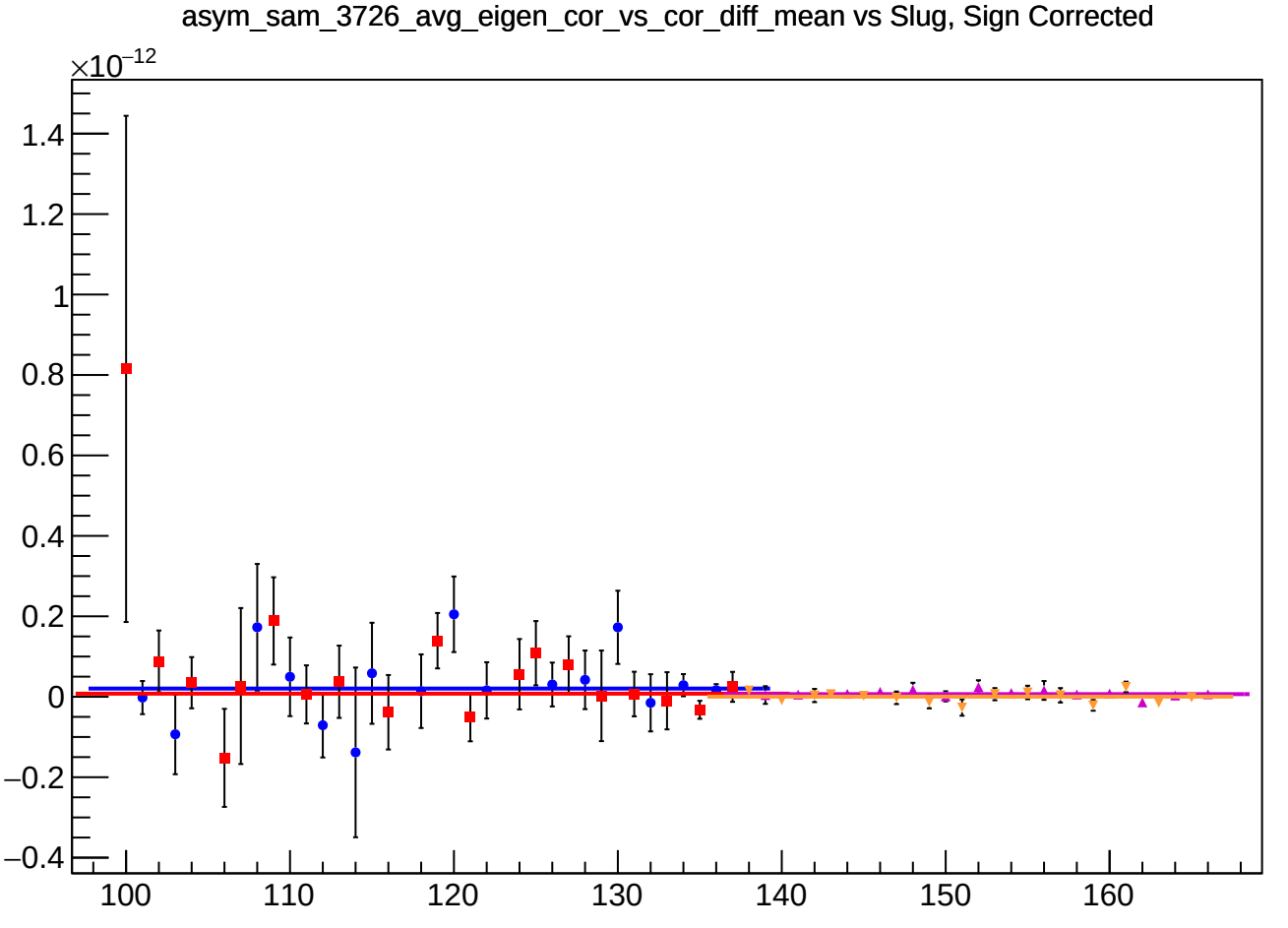
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.010 χ^2/NDF:31.0/29

Out: 0.008+/-0.011 χ^2/NDF:60.4/33

All: 0.003+/-0.008 χ^2/NDF: 91.7/63


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 45.525+/-0.013 χ2/NDF: 1253922.0/15
Left Out: 44.300+/-0.010 χ2/NDF:1463861.2/14
Right Out: 44.141+/-0.013 χ2/NDF: 1743351.0/18
Left In: 40.095+/-0.009 χ2/NDF:1684143.6/13
Left: 42.046+/-0.007 χ2/NDF: 3249519.7/28
Right: 44.816+/-0.009 χ2/NDF: 3003114.2/34
In: 41.860+/-0.007 χ2/NDF:3056661.3/29
Out: 44.241+/-0.008 χ2/NDF:3207311.1/33
All: 43.005+/-0.005 χ2/NDF: 6313931.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/13

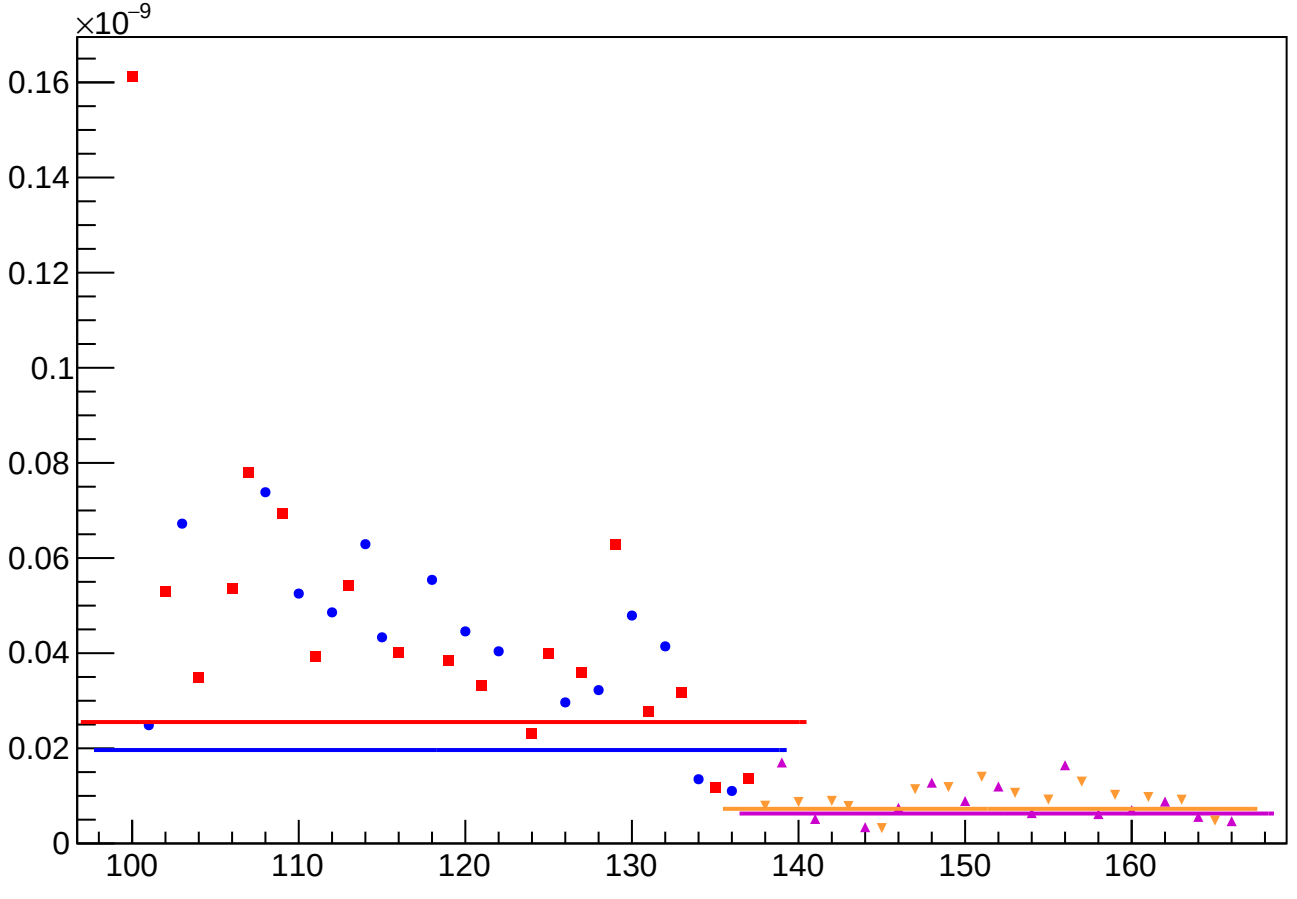
Left: 0.000+/-0.000 χ^2/NDF: 20.8/28

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:18.5/29

Out: 0.000+/-0.000 χ^2/NDF:32.3/33

All: 0.000+/-0.000 χ^2/NDF: 53.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2337693.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2184664.3/13

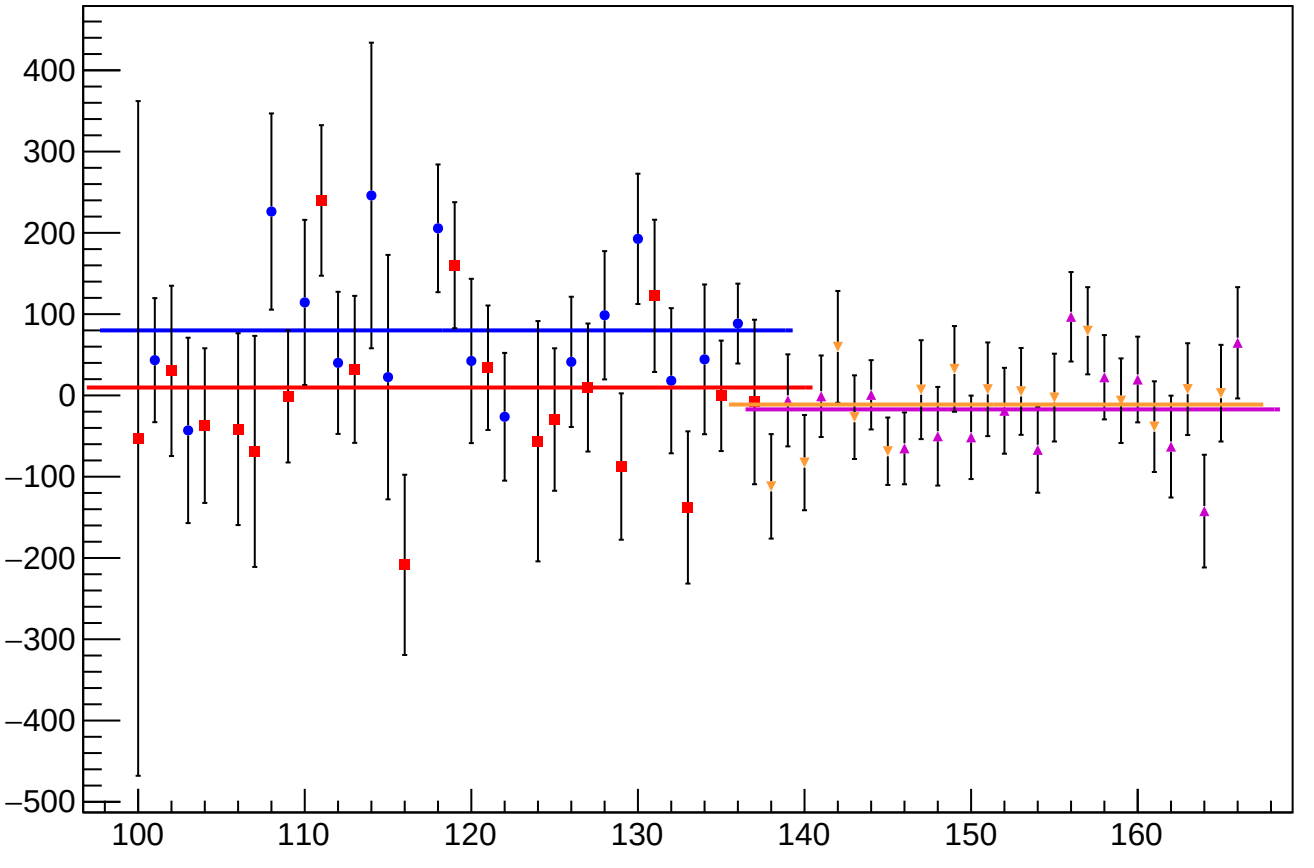
Left: 0.000+/-0.000 χ^2/NDF: 4638961.0/28

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8112006.8/29

Out: 0.000+/-0.000 χ^2/NDF:8426238.6/33

All: 0.000+/-0.000 χ^2/NDF: 16677138.7/63



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.208+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -17.183+/-14.319 χ^2/NDF:13.7/13

Left: -14.170+/-10.082 χ^2/NDF: 25.1/28

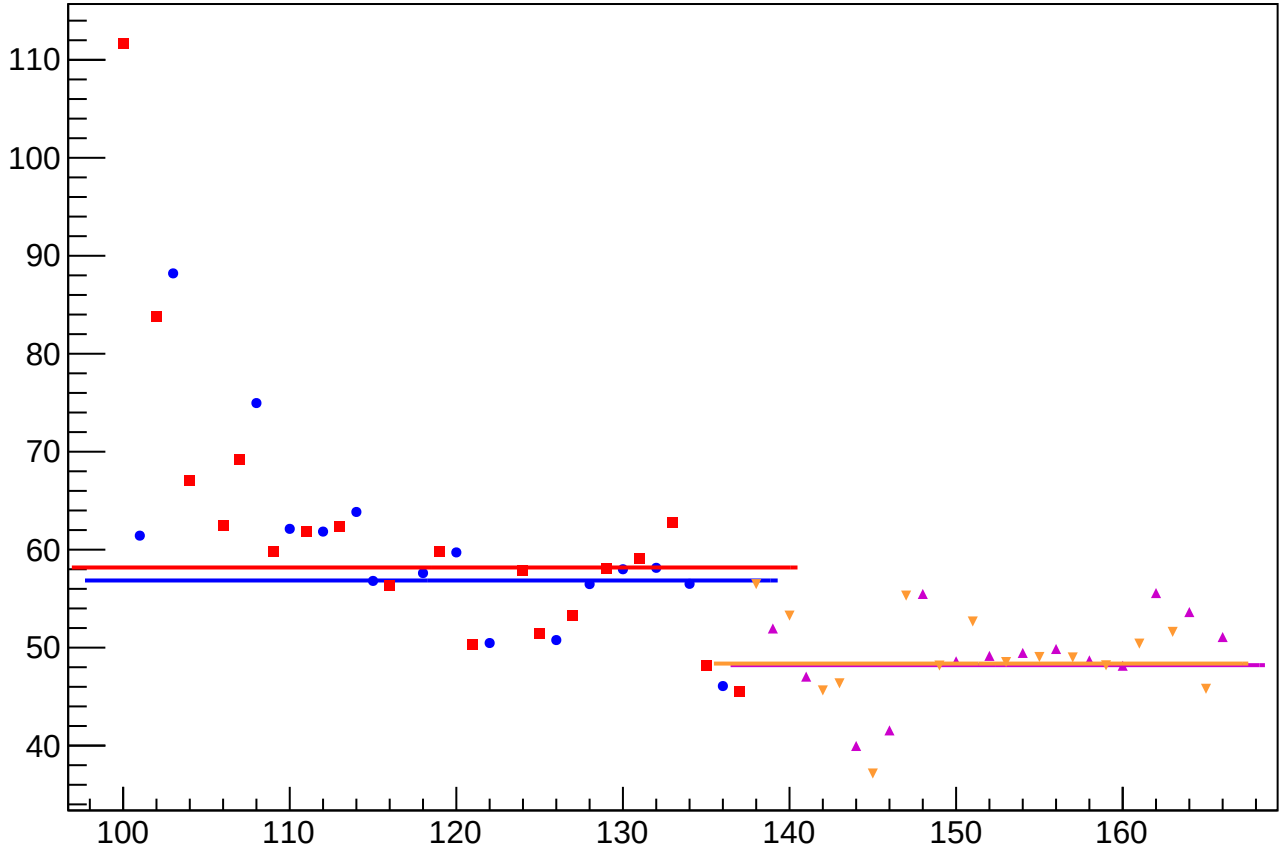
Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 12.726+/-11.914 χ^2/NDF:39.4/29

Out: -4.899+/-11.867 χ^2/NDF:32.3/33

All: 3.879+/-8.408 χ^2/NDF: 72.8/63

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

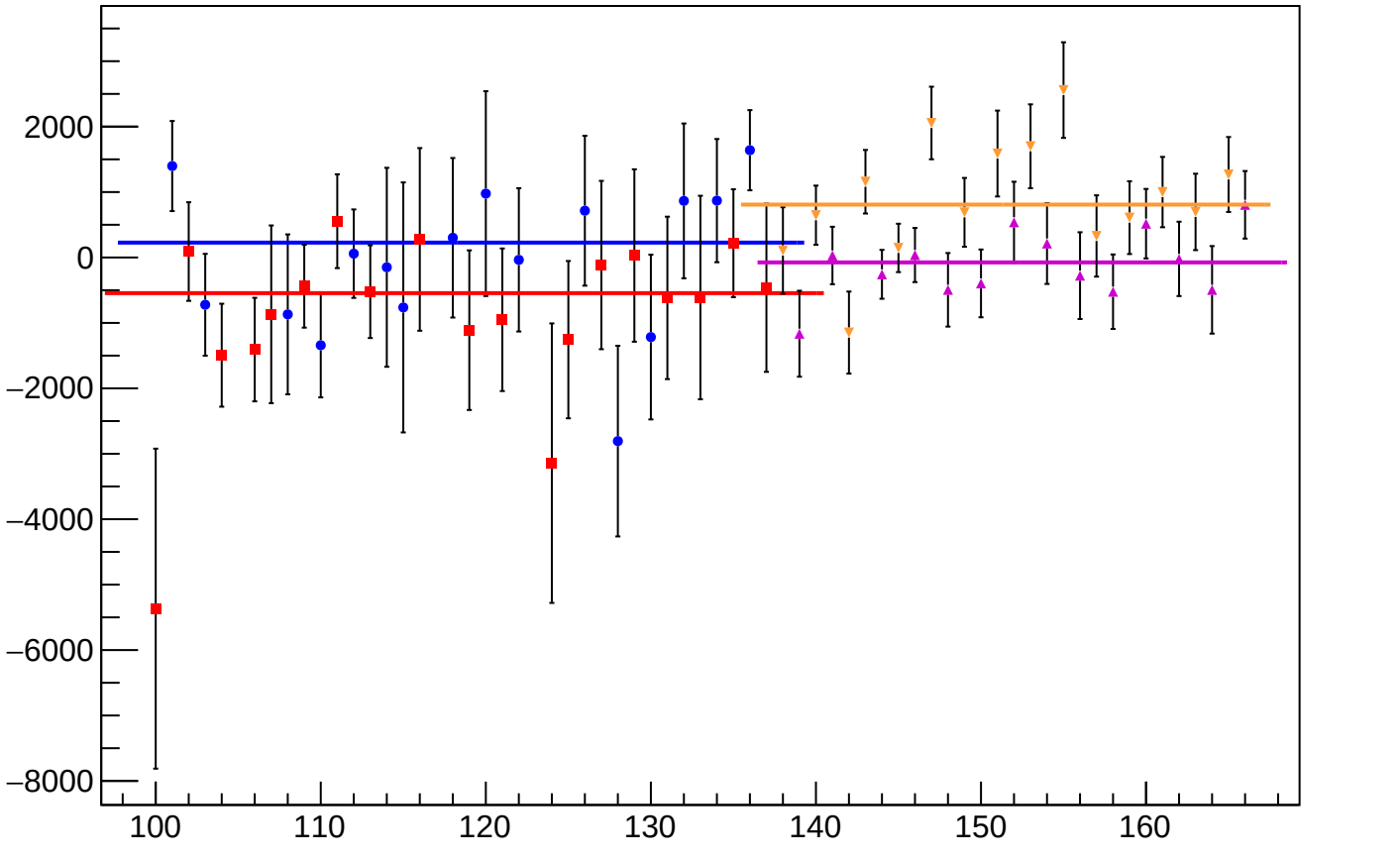
Left: 48.292+/-0.007 χ^2/NDF: 455109.8/28

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

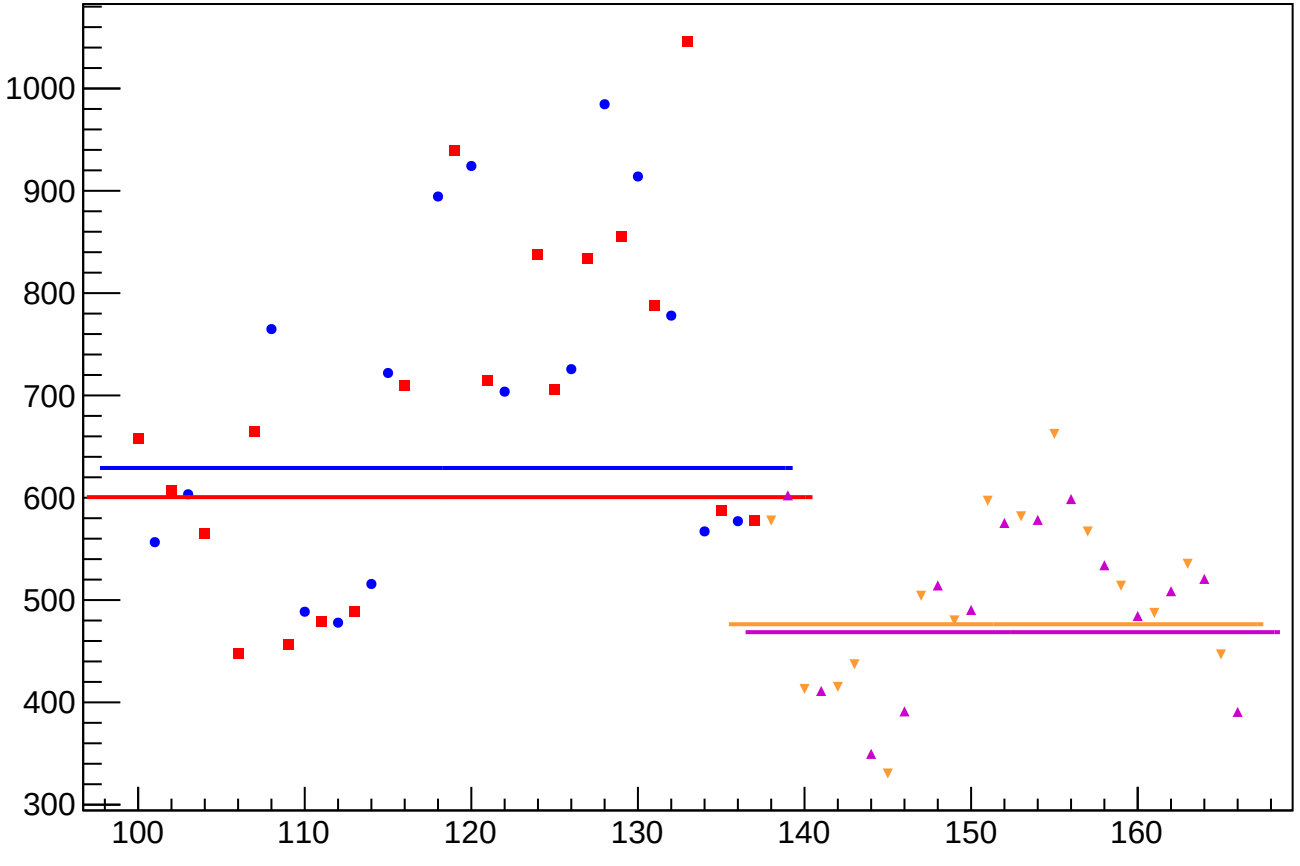
In: 50.871+/-0.008 χ^2/NDF:771811.0/29

Out: 51.328+/-0.008 χ^2/NDF:851405.7/33

All: 51.101+/-0.006 χ^2/NDF: 1624696.0/63


asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 227.508+/-241.225 χ²/NDF: 21.6/15
Left Out: 808.427+/-141.358 χ²/NDF:30.4/14
Right Out: -544.769+/-227.243 χ²/NDF: 13.4/18
Left In: -75.116+/-140.552 χ²/NDF:10.5/13
Left: 364.131+/-99.669 χ²/NDF: 60.6/28
Right: -181.660+/-165.407 χ²/NDF: 40.4/34
In: 1.584+/-121.442 χ²/NDF:33.3/29
Out: 430.892+/-120.030 χ²/NDF:69.4/33
All: 218.748+/-85.369 χ²/NDF: 109.0/63

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 476.379+/-0.100 χ^2/NDF:764684.1/14

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 468.633+/-0.099 χ^2/NDF:701990.2/13

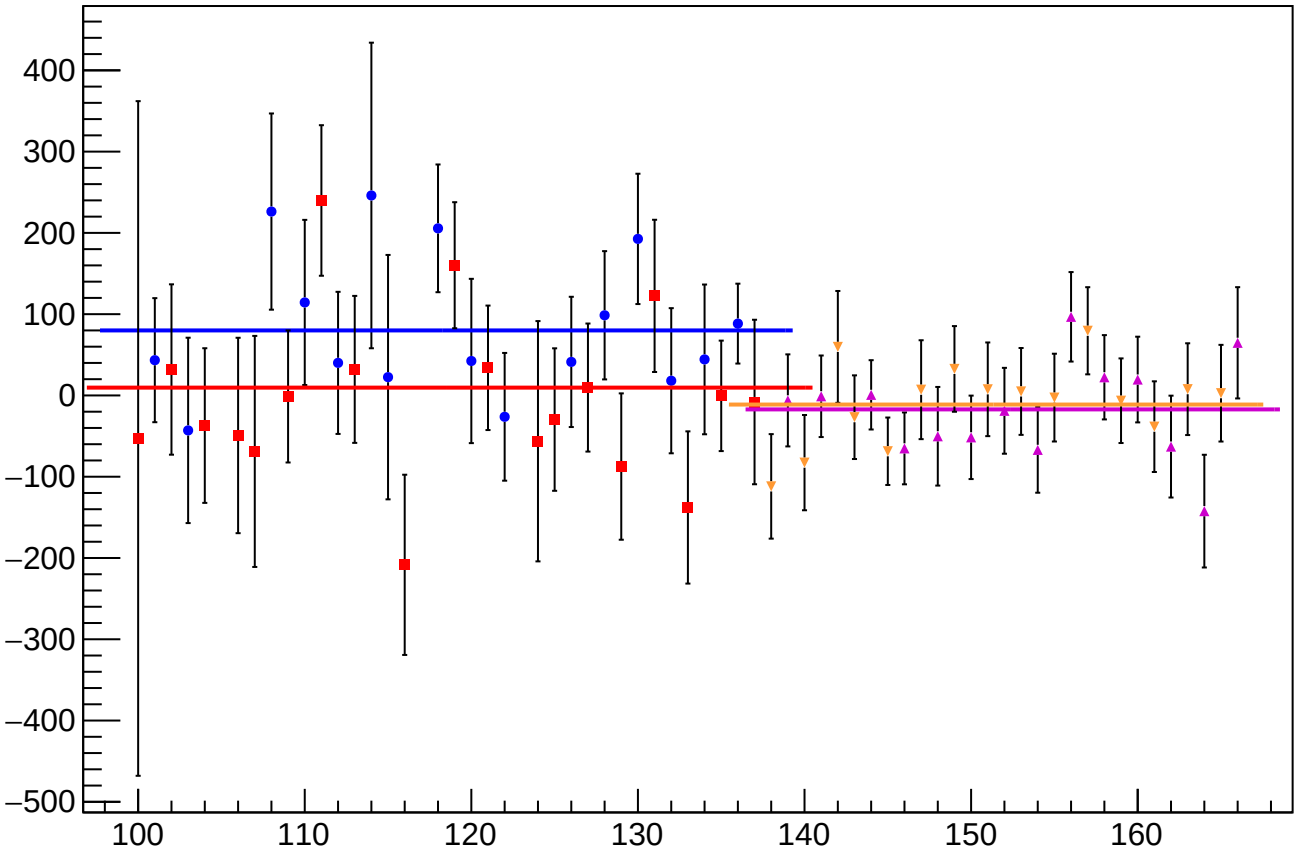
Left: 472.484+/-0.070 χ^2/NDF: 1469694.5/28

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 509.302+/-0.086 χ^2/NDF:2055399.7/29

Out: 511.034+/-0.085 χ^2/NDF:2070151.7/33

All: 510.178+/-0.060 χ^2/NDF: 4125757.2/63



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -17.184+/-14.319 χ^2/NDF:13.7/13

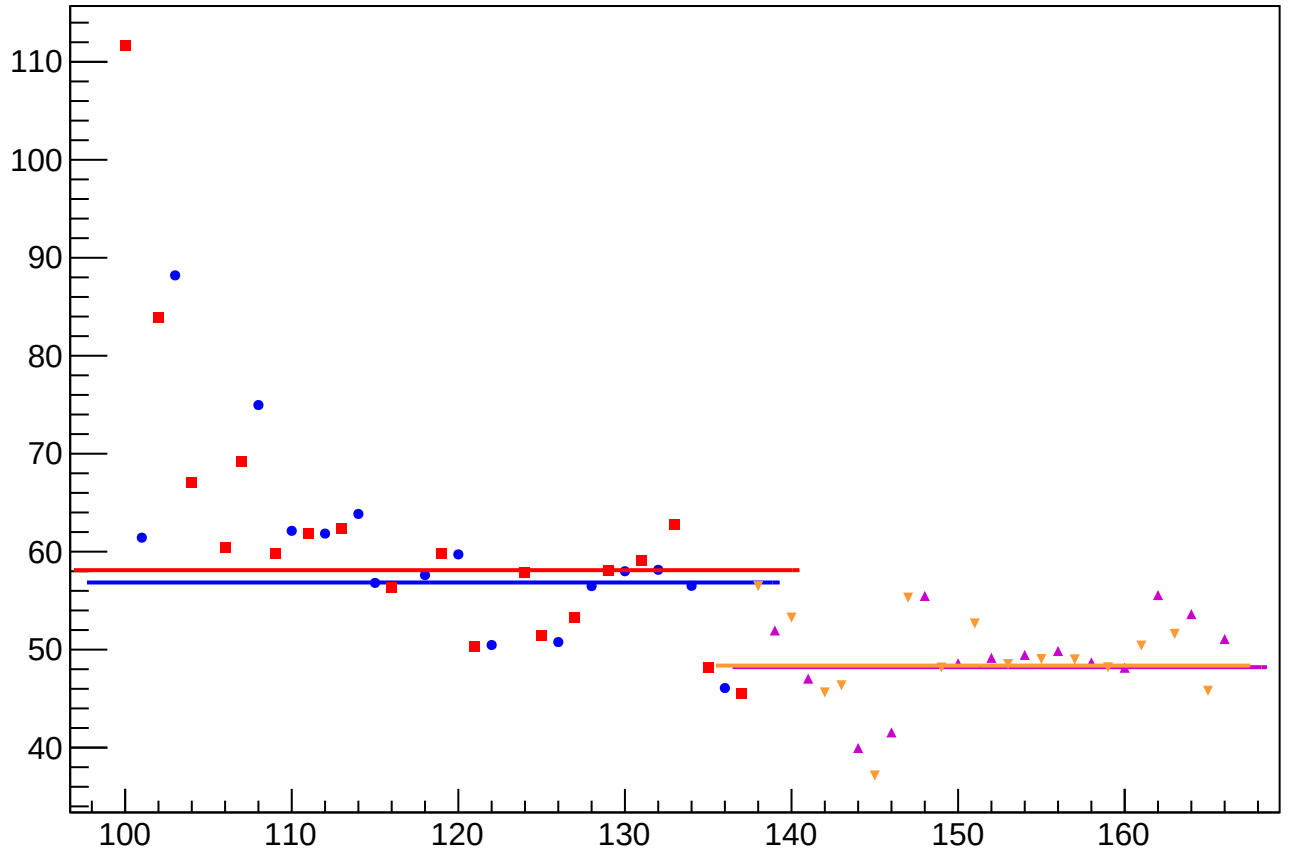
Left: -14.172+/-10.082 χ^2/NDF: 25.1/28

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 12.727+/-11.914 χ^2/NDF:39.4/29

Out: -4.940+/-11.869 χ^2/NDF:32.3/33

All: 3.860+/-8.408 χ^2/NDF: 72.9/63



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

Left: 48.292+/-0.007 χ^2/NDF: 455109.8/28

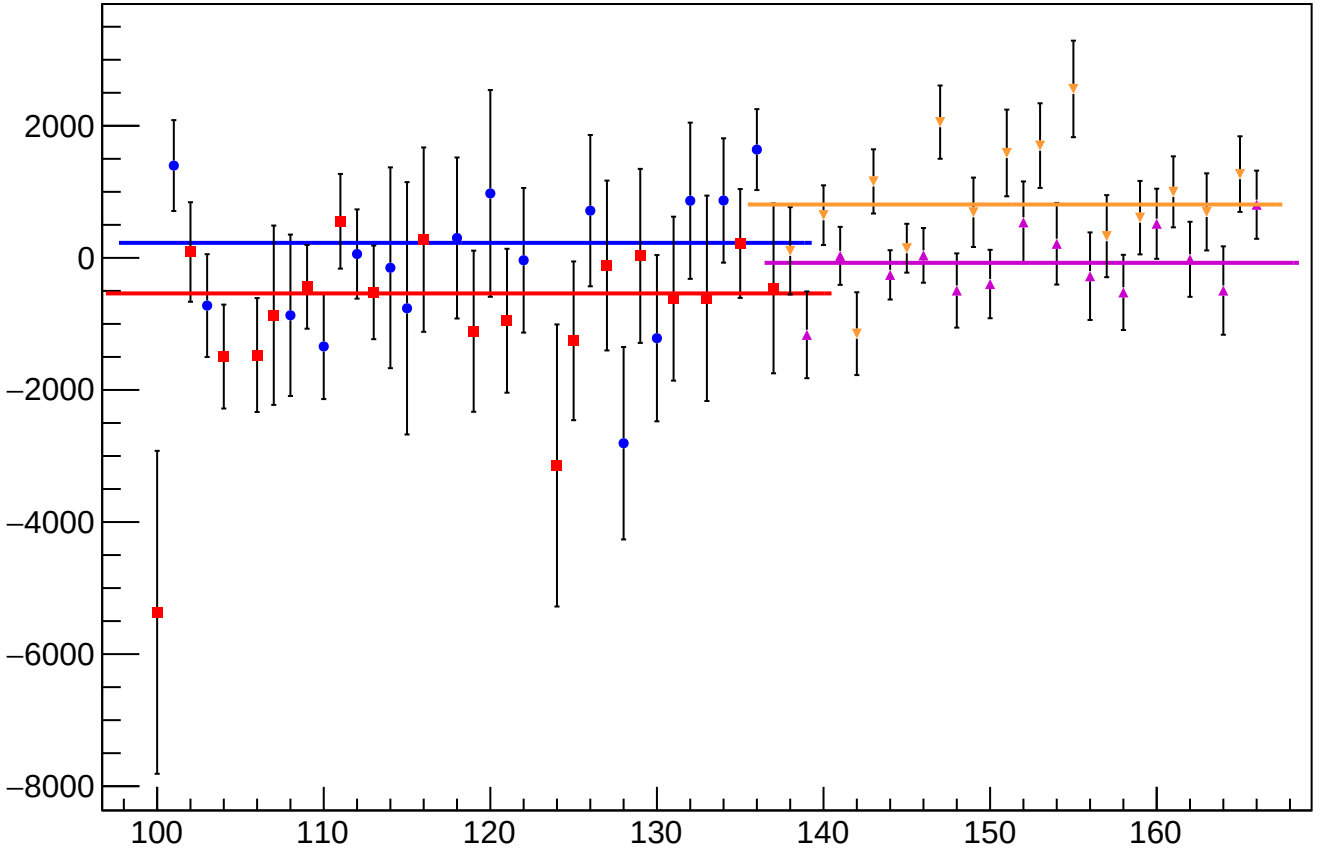
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.871+/-0.008 χ^2/NDF:771815.0/29

Out: 51.305+/-0.008 χ^2/NDF:845301.1/33

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/63

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -75.119+/-140.552 χ^2/NDF:10.5/13

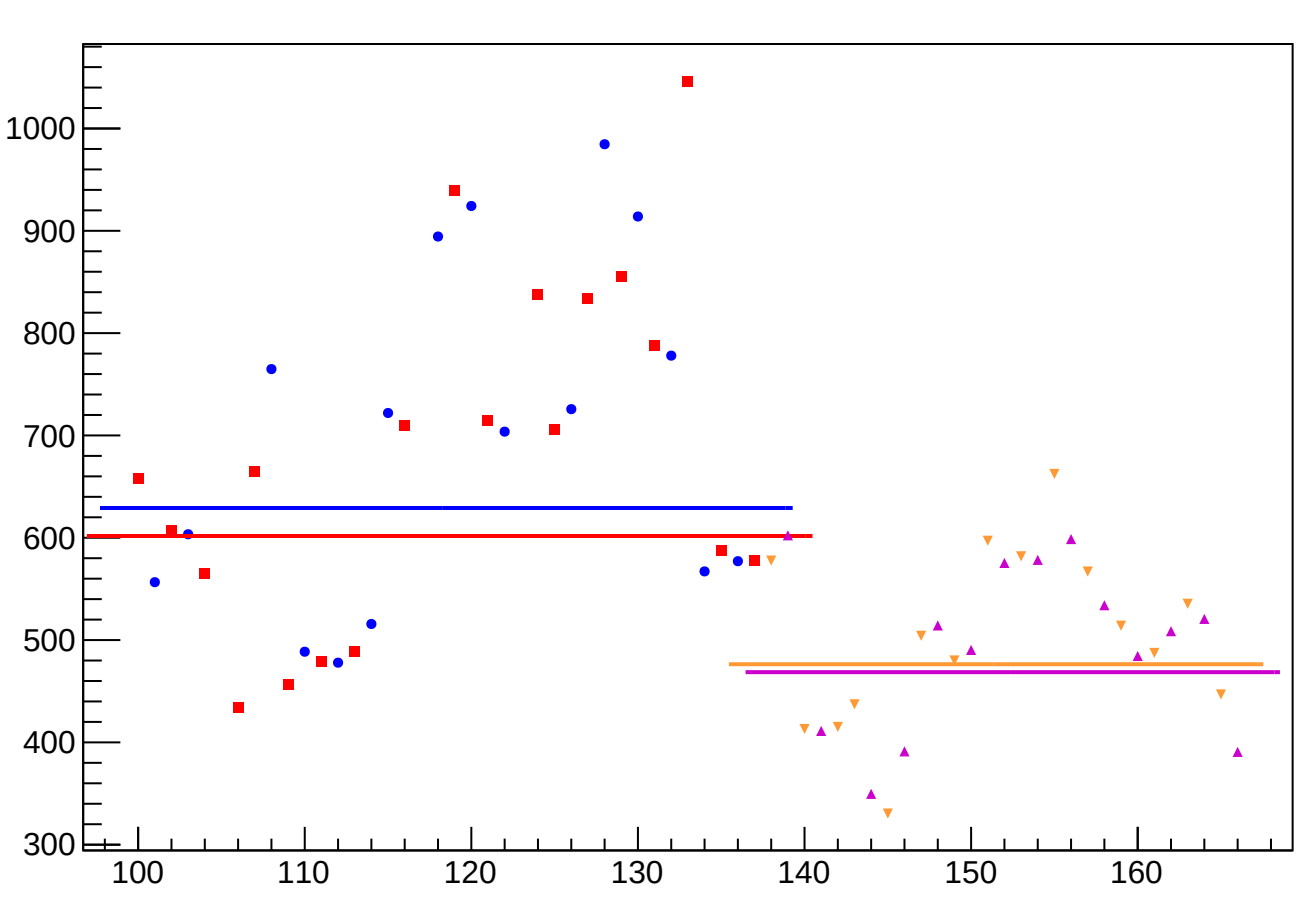
Left: 364.129+/-99.669 χ^2/NDF: 60.6/28

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 1.591+/-121.442 χ^2/NDF:33.3/29

Out: 436.328+/-120.251 χ^2/NDF:68.9/33

All: 221.102+/-85.448 χ^2/NDF: 108.7/63



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.633+/-0.099 χ^2/NDF:701987.7/13

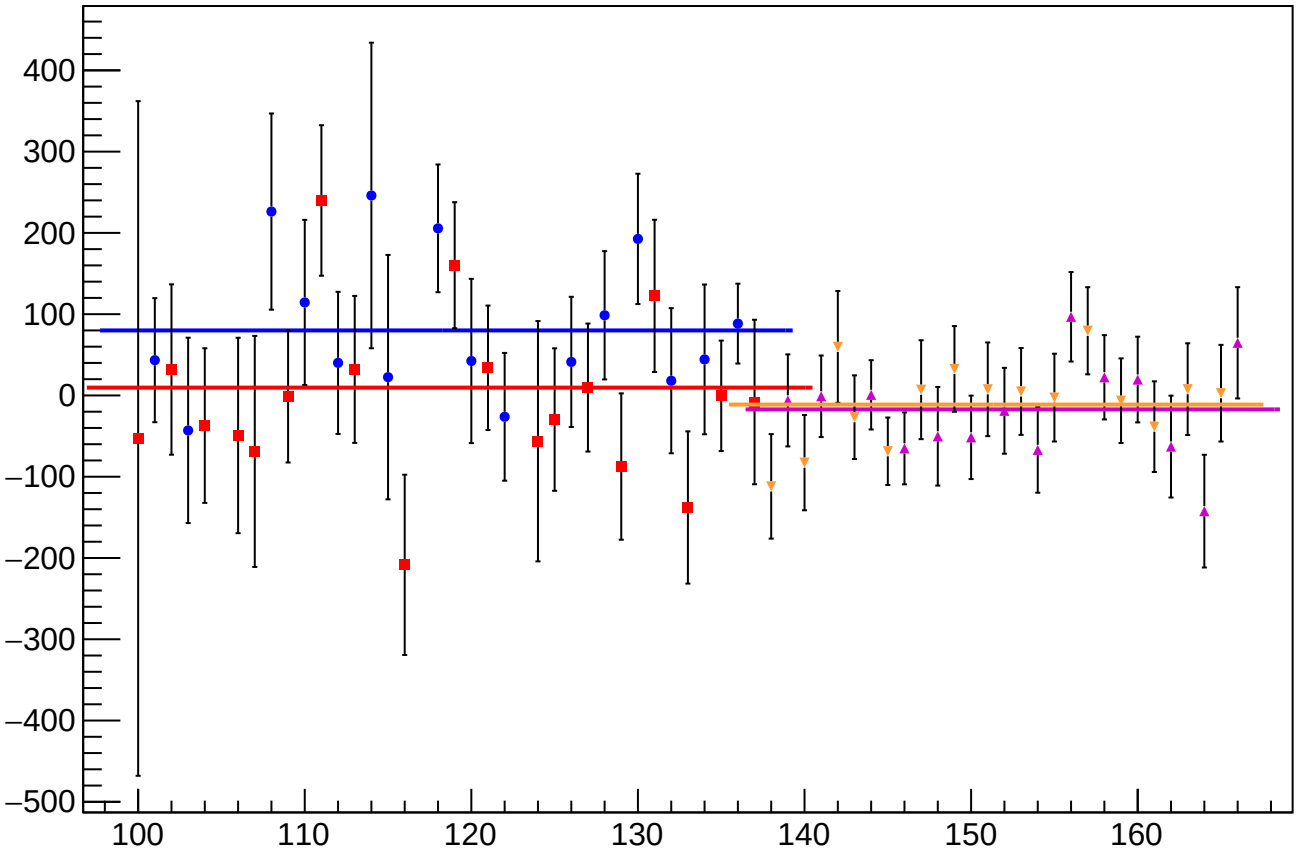
Left: 472.484+/-0.070 χ^2/NDF: 1469692.9/28

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 509.303+/-0.086 χ^2/NDF:2055419.2/29

Out: 511.015+/-0.085 χ^2/NDF:2073257.0/33

All: 510.168+/-0.060 χ^2/NDF: 4128877.0/63



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -17.184+/-14.319 χ^2/NDF:13.7/13

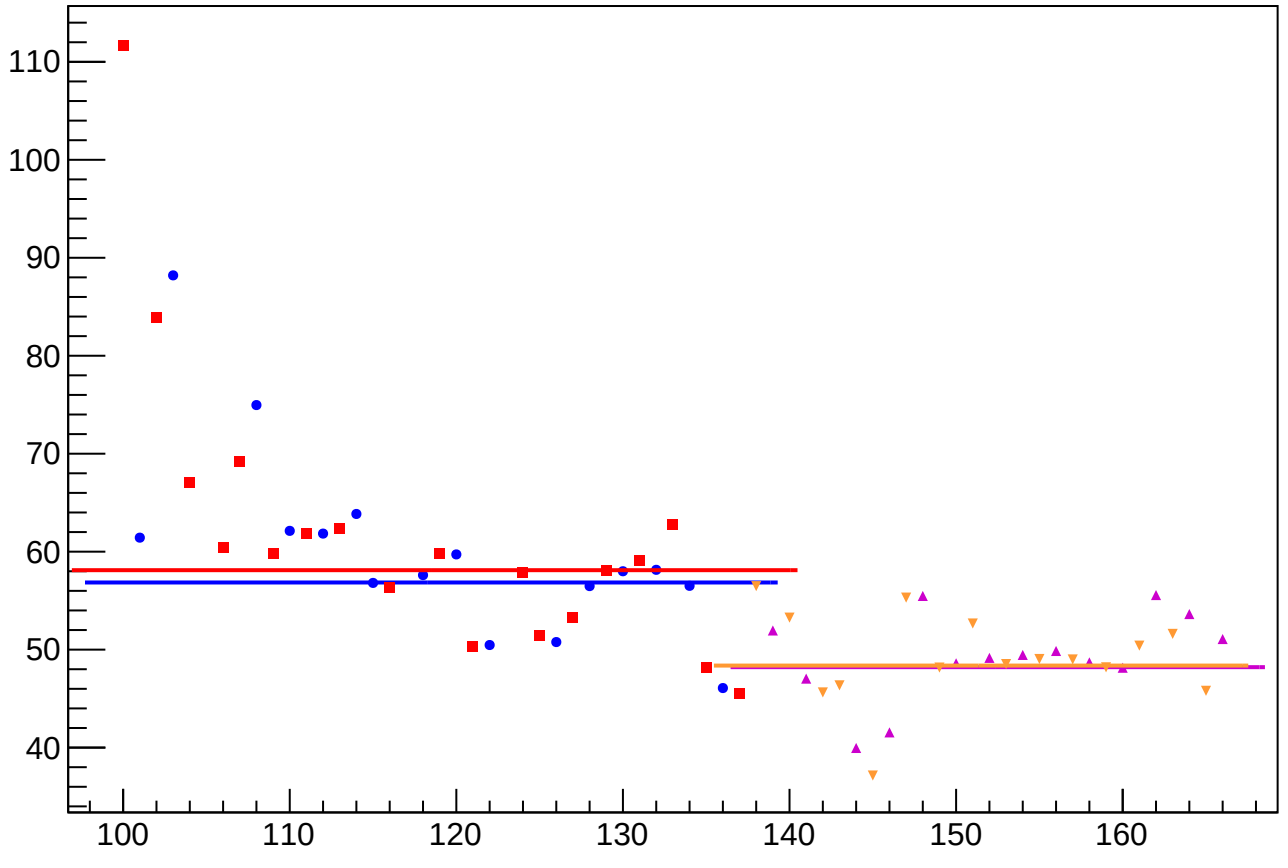
Left: -14.172+/-10.082 χ^2/NDF: 25.1/28

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 12.727+/-11.914 χ^2/NDF:39.4/29

Out: -4.940+/-11.869 χ^2/NDF:32.3/33

All: 3.860+/-8.408 χ^2/NDF: 72.9/63



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.211+/-0.010 χ^2/NDF:205922.9/13

Left: 48.292+/-0.007 χ^2/NDF: 455109.8/28

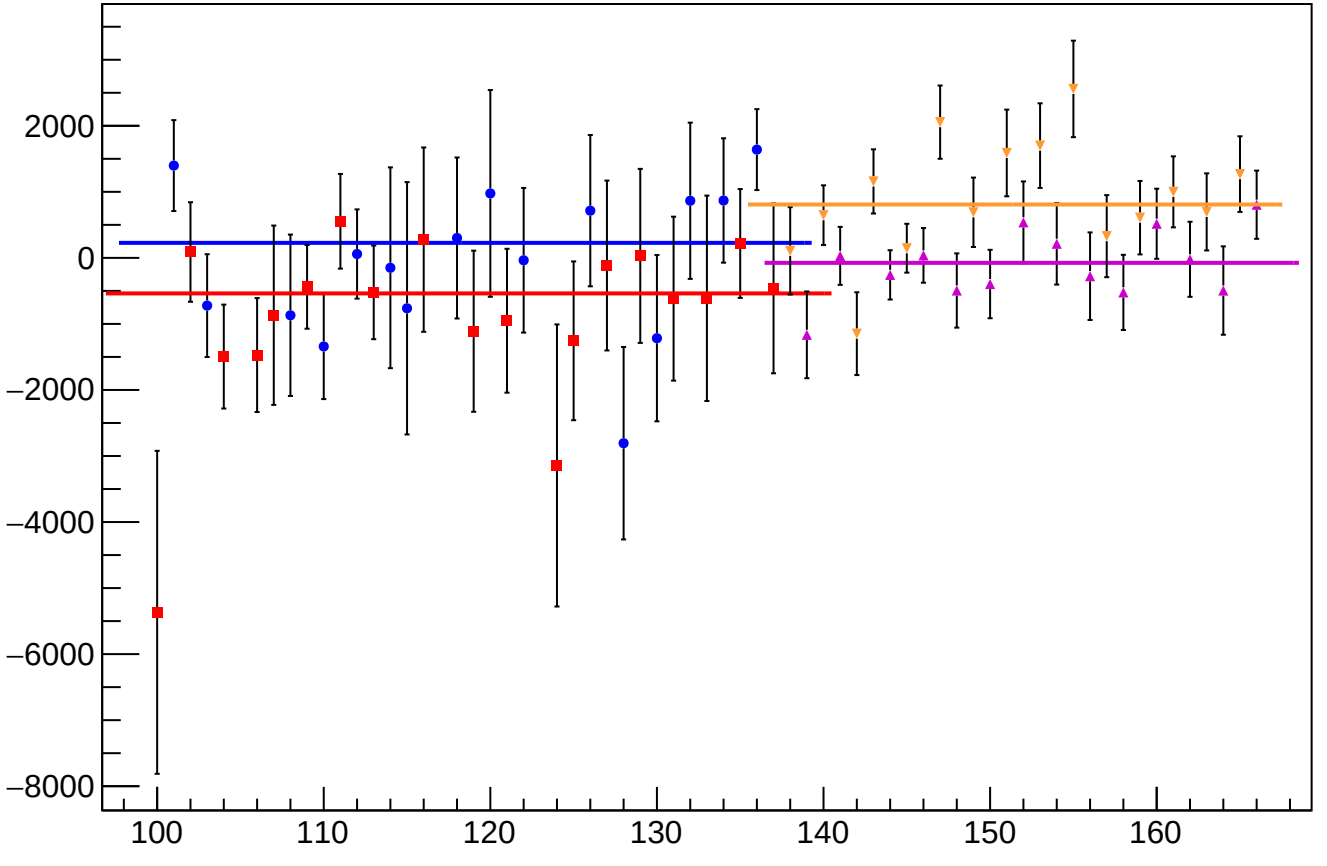
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.871+/-0.008 χ^2/NDF:771815.0/29

Out: 51.305+/-0.008 χ^2/NDF:845301.1/33

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/63

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -75.119+/-140.552 χ^2/NDF:10.5/13

Left: 364.129+/-99.669 χ^2/NDF: 60.6/28

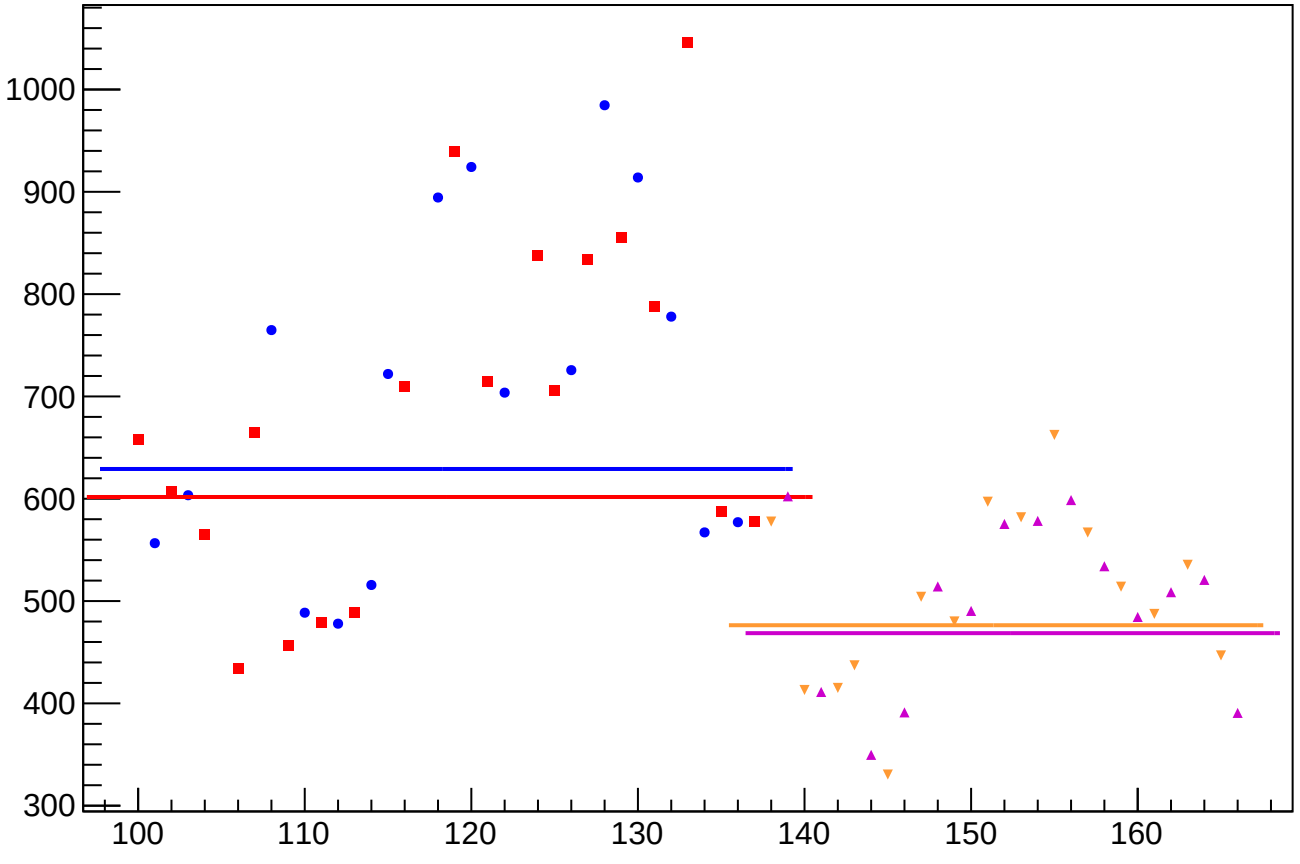
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 1.591+/-121.442 χ^2/NDF:33.3/29

Out: 436.328+/-120.251 χ^2/NDF:68.9/33

All: 221.102+/-85.448 χ^2/NDF: 108.7/63

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.633+/-0.099 χ^2/NDF:701987.7/13

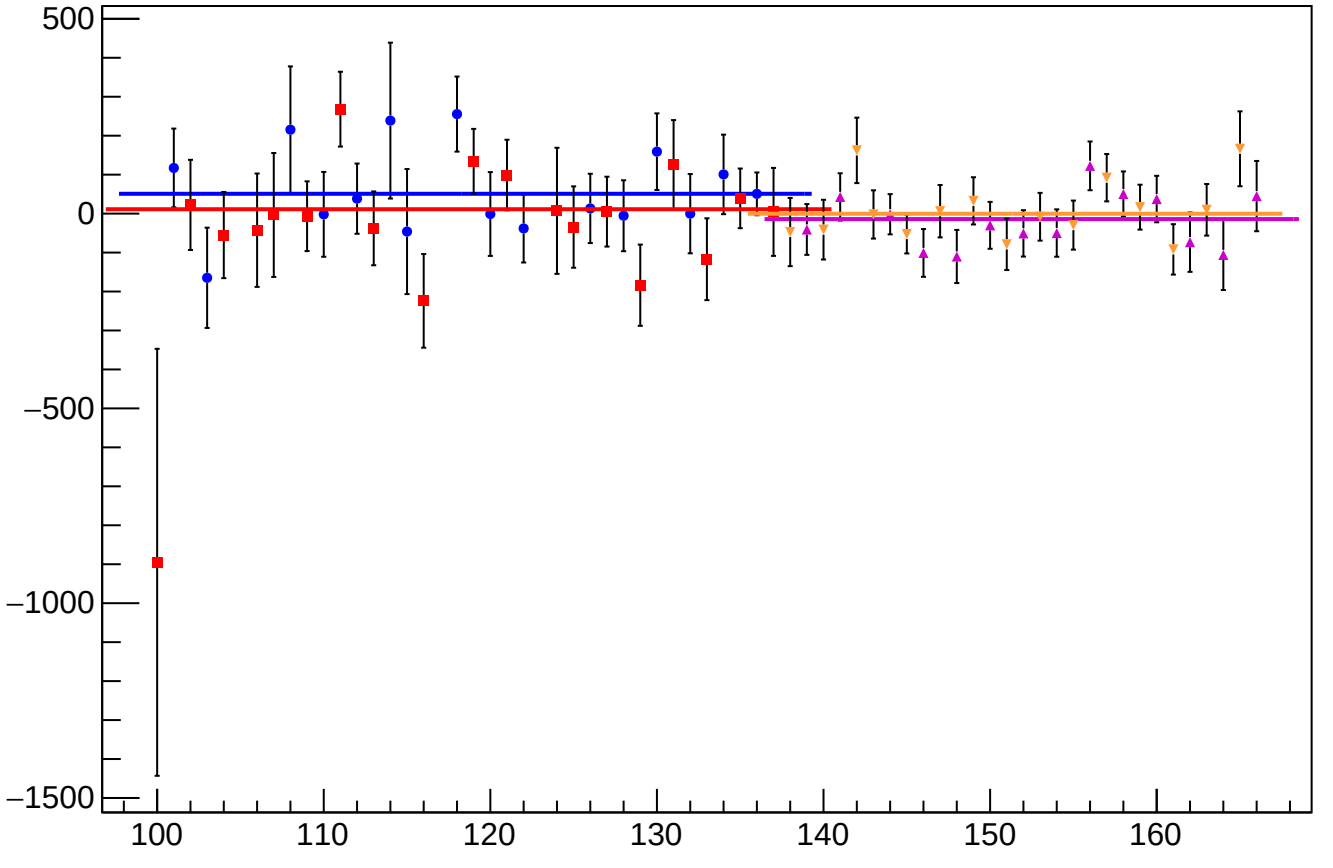
Left: 472.484+/-0.070 χ^2/NDF: 1469692.9/28

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 509.303+/-0.086 χ^2/NDF:2055419.2/29

Out: 511.015+/-0.085 χ^2/NDF:2073257.0/33

All: 510.168+/-0.060 χ^2/NDF: 4128877.0/63



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.323+/-16.916 χ^2/NDF:14.8/14

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.081+/-17.038 χ^2/NDF:14.7/13

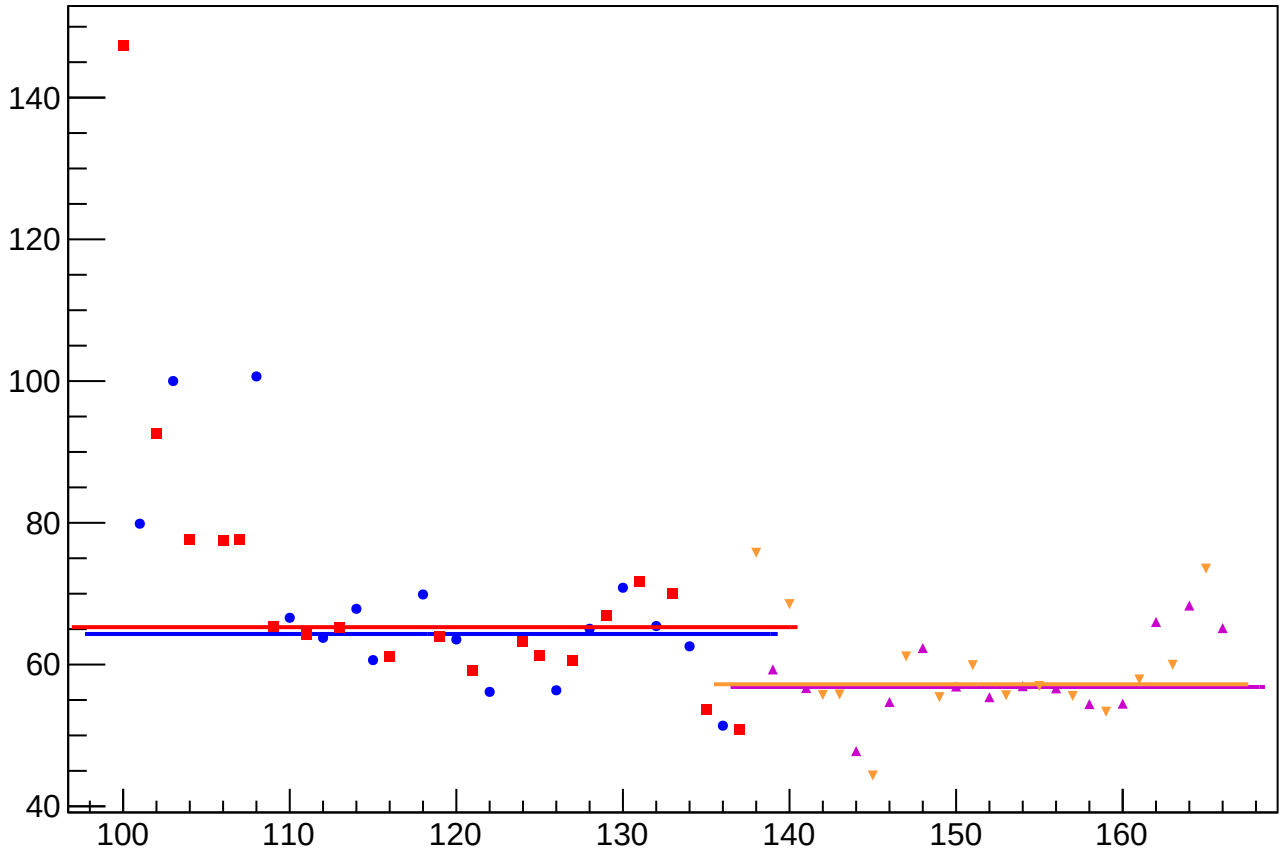
Left: -7.153+/-12.004 χ^2/NDF: 29.8/28

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 7.097+/-13.986 χ^2/NDF:33.3/29

Out: 3.453+/-13.888 χ^2/NDF:39.0/33

All: 5.262+/-9.855 χ^2/NDF: 72.3/63



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.221+/-0.012 χ^2/NDF:353834.8/14

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.837+/-0.012 χ^2/NDF:165905.7/13

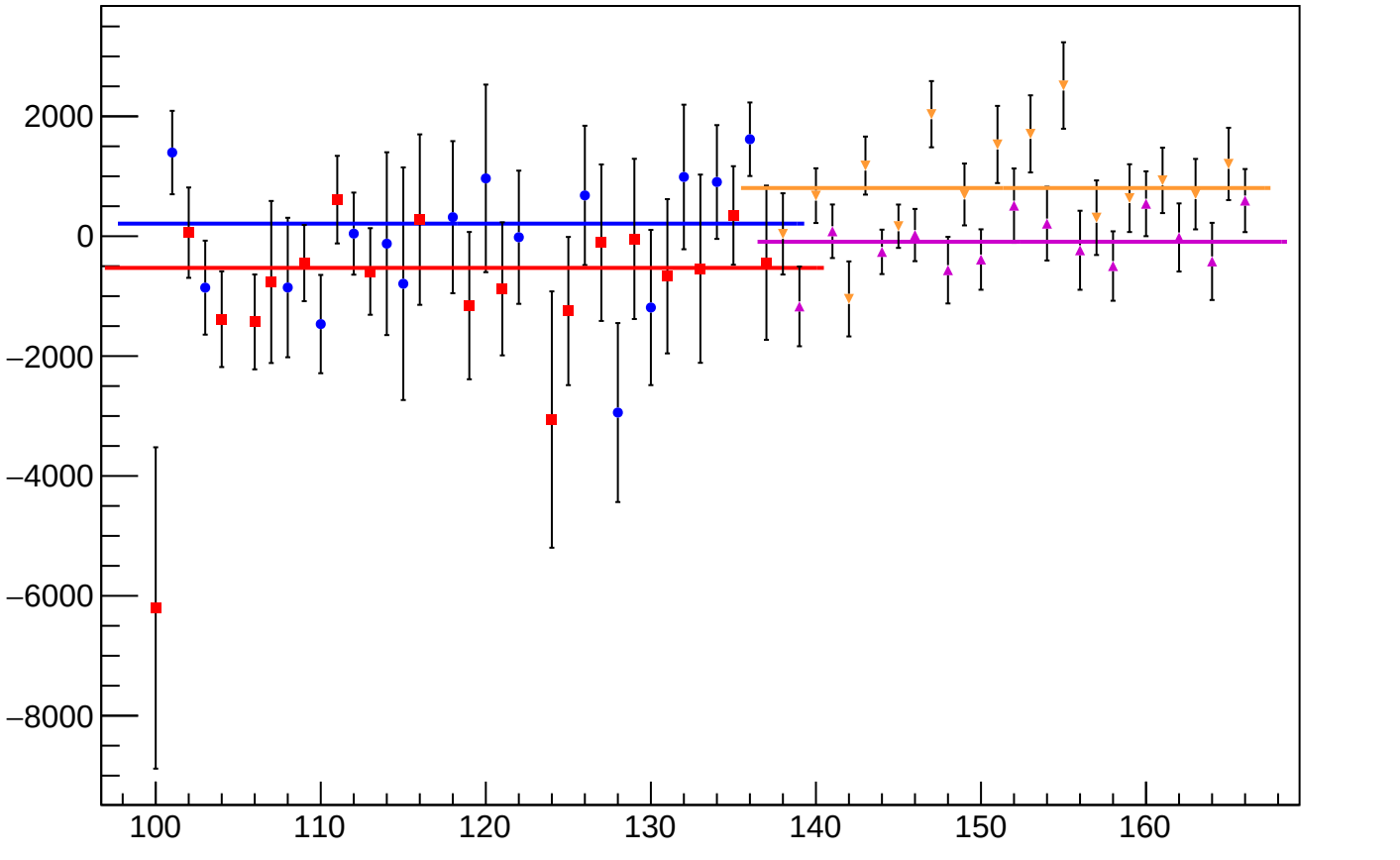
Left: 57.030+/-0.008 χ^2/NDF: 520253.9/28

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.276+/-0.010 χ^2/NDF:756571.8/29

Out: 59.848+/-0.010 χ^2/NDF:820833.7/33

All: 59.564+/-0.007 χ^2/NDF: 1579086.6/63



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 804.049+/-141.487 χ^2/NDF:28.9/14

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -92.425+/-141.350 χ^2/NDF:9.2/13

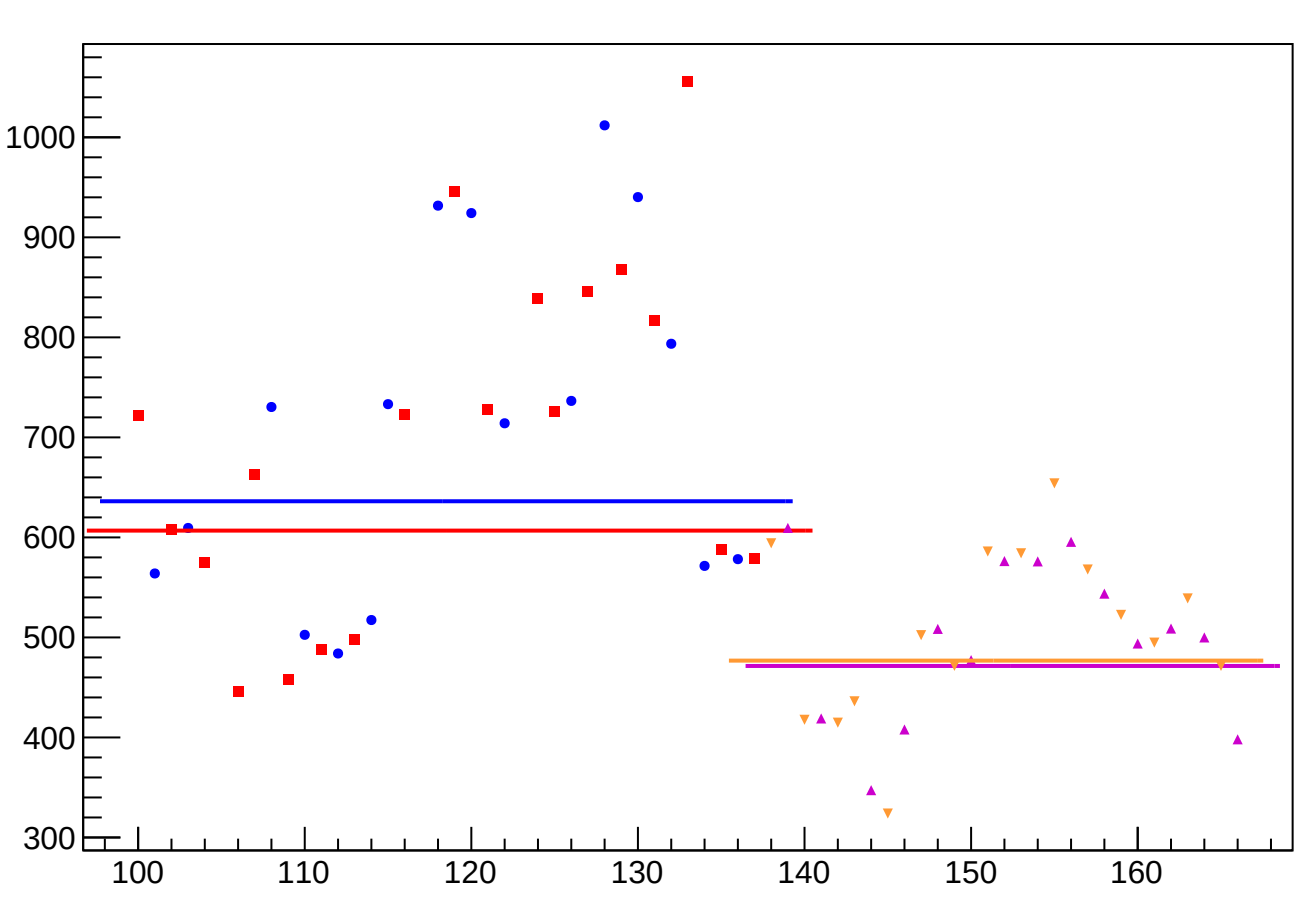
Left: 355.379+/-99.998 χ^2/NDF: 58.2/28

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -16.336+/-122.284 χ^2/NDF:32.8/29

Out: 437.430+/-120.464 χ^2/NDF:67.2/33

All: 213.948+/-85.817 χ^2/NDF: 106.9/63



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 476.821+/-0.100 χ^2/NDF:804050.1/14

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 471.479+/-0.100 χ^2/NDF:661865.5/13

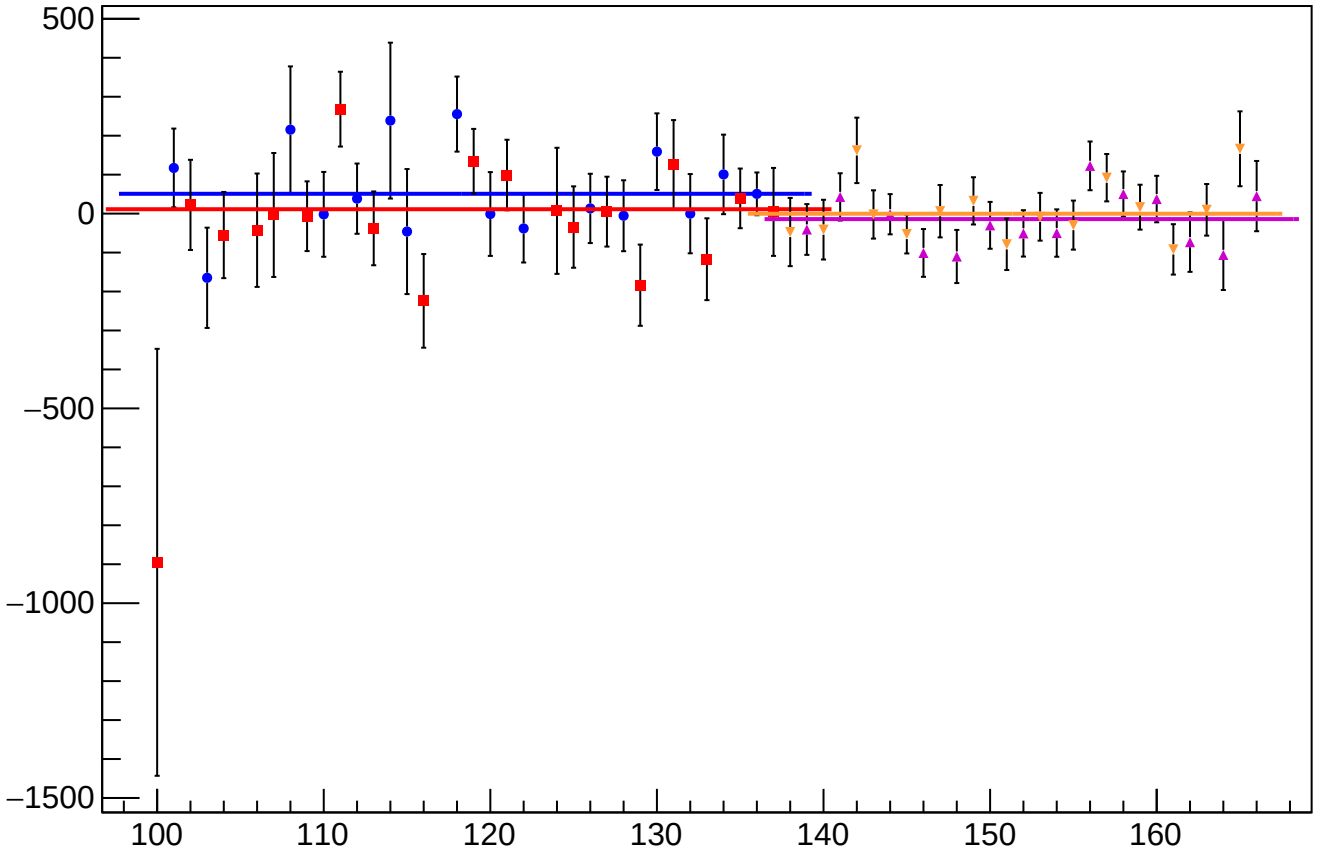
Left: 474.147+/-0.071 χ^2/NDF: 1467342.7/28

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 512.905+/-0.086 χ^2/NDF:2049947.3/29

Out: 512.578+/-0.085 χ^2/NDF:2162272.4/33

All: 512.739+/-0.061 χ^2/NDF: 4212227.0/63



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.324+/-16.916 χ^2/NDF:14.8/14

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.080+/-17.038 χ^2/NDF:14.7/13

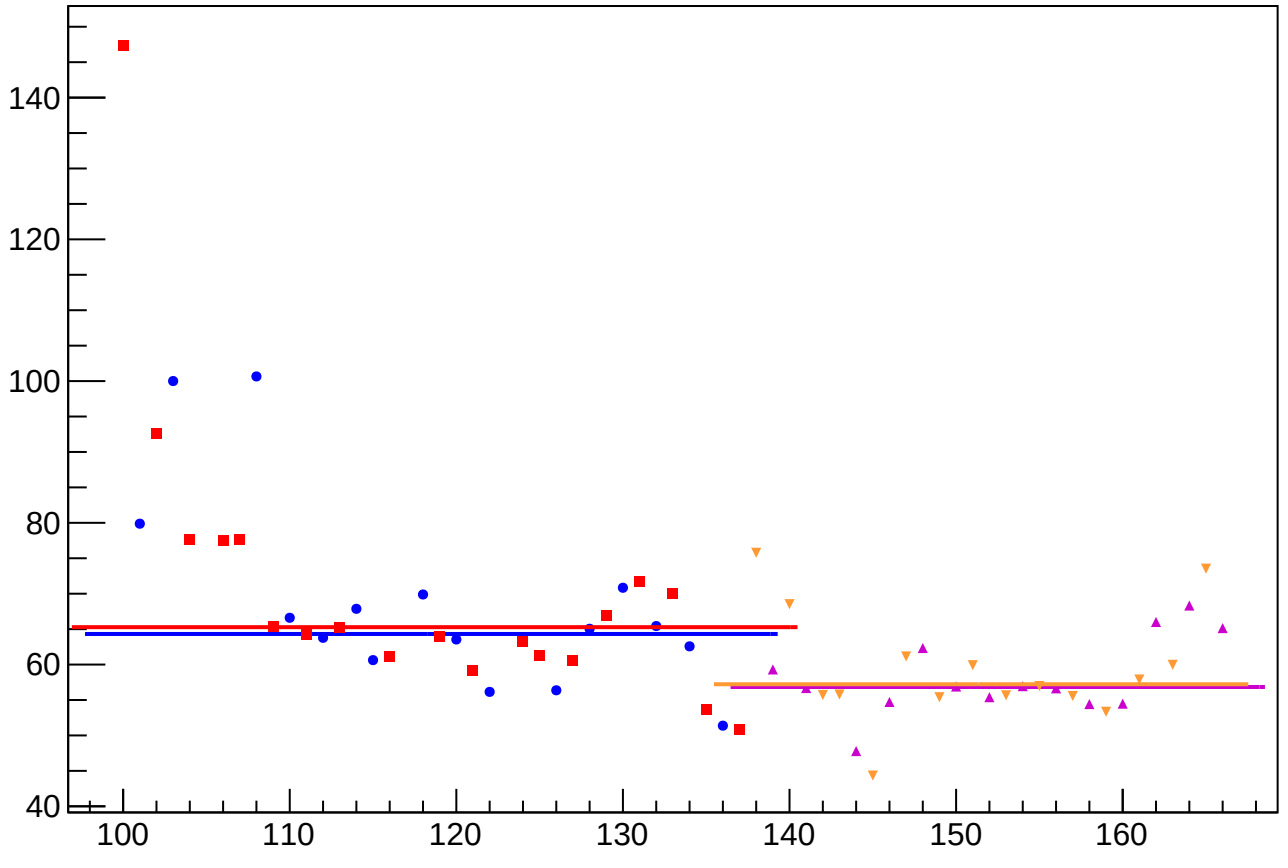
Left: -7.153+/-12.004 χ^2/NDF: 29.8/28

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 7.097+/-13.986 χ^2/NDF:33.3/29

Out: 3.453+/-13.888 χ^2/NDF:39.0/33

All: 5.262+/-9.855 χ^2/NDF: 72.3/63



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.222+/-0.012 χ^2/NDF:353822.7/14

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.837+/-0.012 χ^2/NDF:165902.3/13

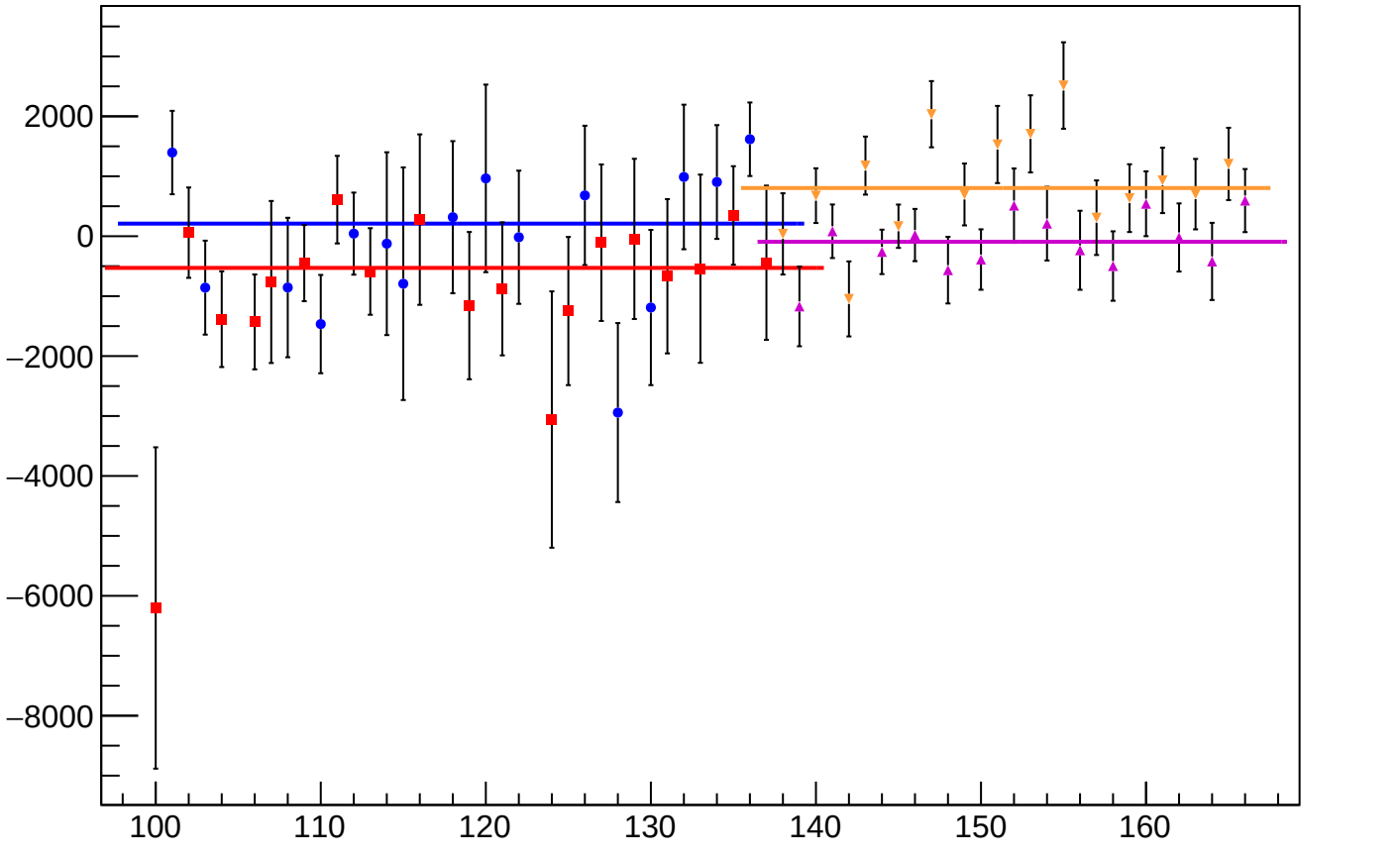
Left: 57.031+/-0.008 χ^2/NDF: 520238.5/28

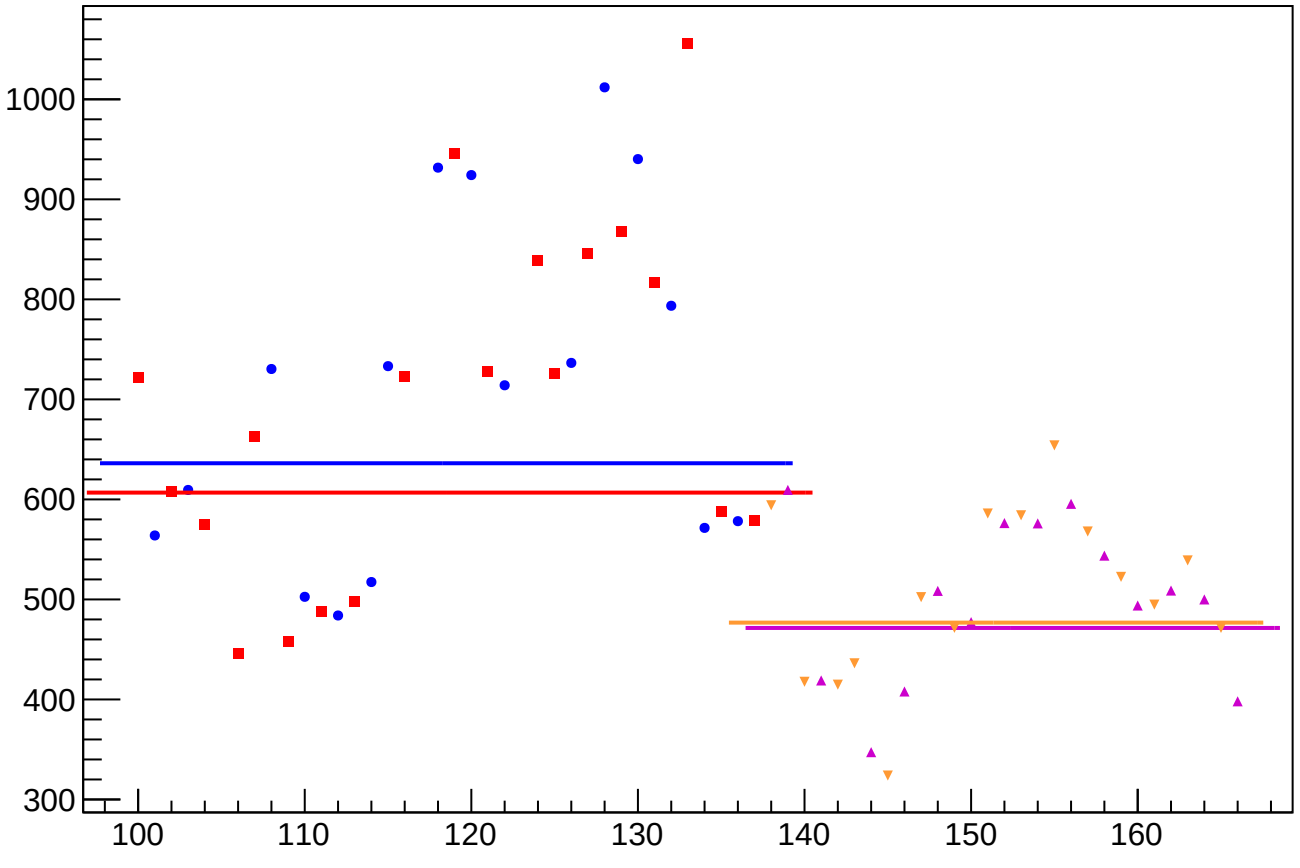
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.276+/-0.010 χ^2/NDF:756560.4/29

Out: 59.848+/-0.010 χ^2/NDF:820814.1/33

All: 59.564+/-0.007 χ^2/NDF: 1579055.8/63


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 804.046+/-141.487 χ²/NDF:28.9/14
Right Out: -528.674+/-229.678 χ²/NDF: 13.8/18
Left In: -92.424+/-141.350 χ²/NDF:9.2/13
Left: 355.379+/-99.998 χ²/NDF: 58.2/28
Right: -181.337+/-167.176 χ²/NDF: 41.1/34
In: -16.336+/-122.284 χ²/NDF:32.8/29
Out: 437.428+/-120.464 χ²/NDF:67.2/33
All: 213.948+/-85.817 χ²/NDF: 106.9/63



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 476.820+/-0.100 χ^2/NDF:804057.4/14

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 471.478+/-0.100 χ^2/NDF:661867.6/13

Left: 474.146+/-0.071 χ^2/NDF: 1467352.0/28

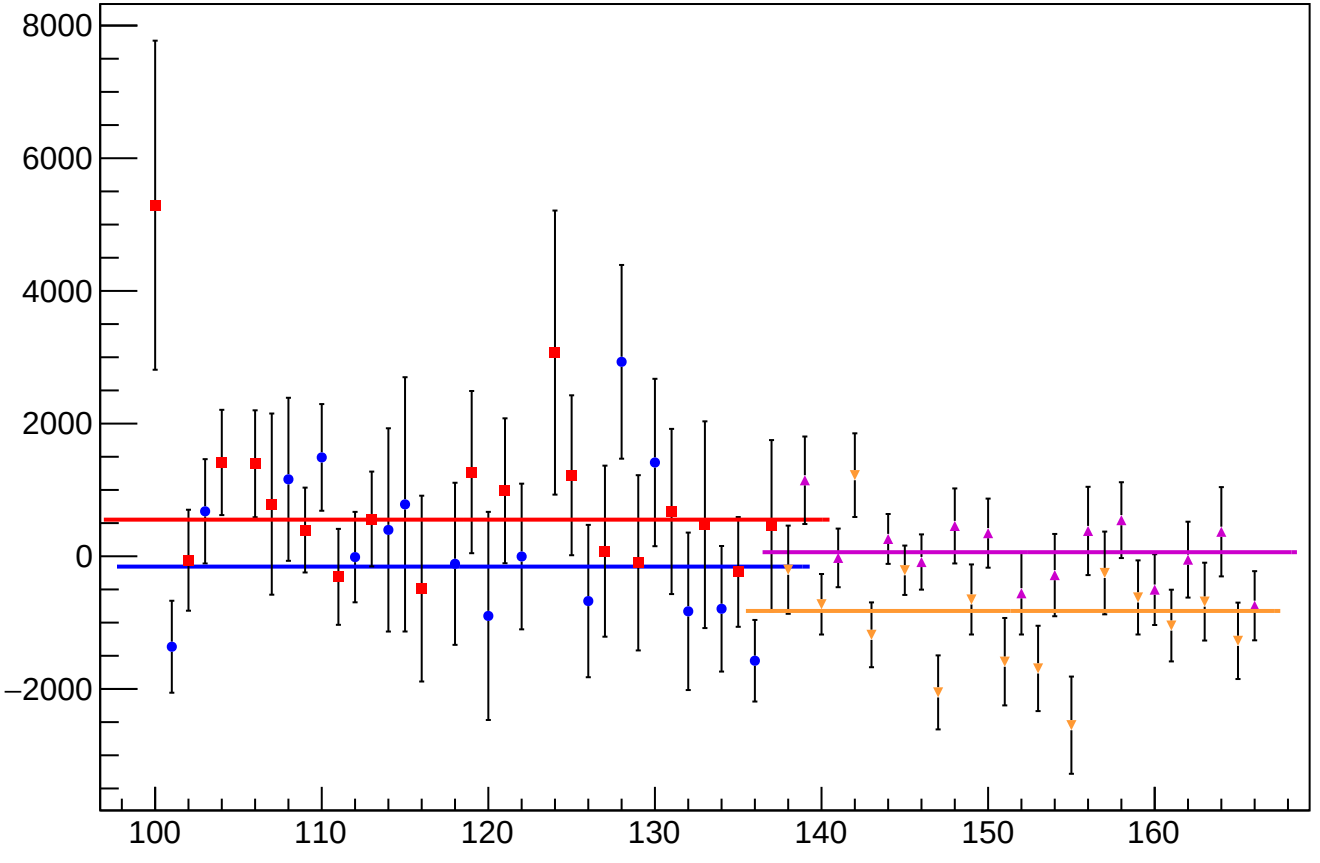
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 512.905+/-0.086 χ^2/NDF:2049954.6/29

Out: 512.577+/-0.085 χ^2/NDF:2162284.0/33

All: 512.738+/-0.061 χ^2/NDF: 4212245.9/63

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -824.211+/-142.140 χ^2/NDF:30.2/14

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 61.514+/-141.360 χ^2/NDF:10.0/13

Left: -378.909+/-100.231 χ^2/NDF: 59.6/28

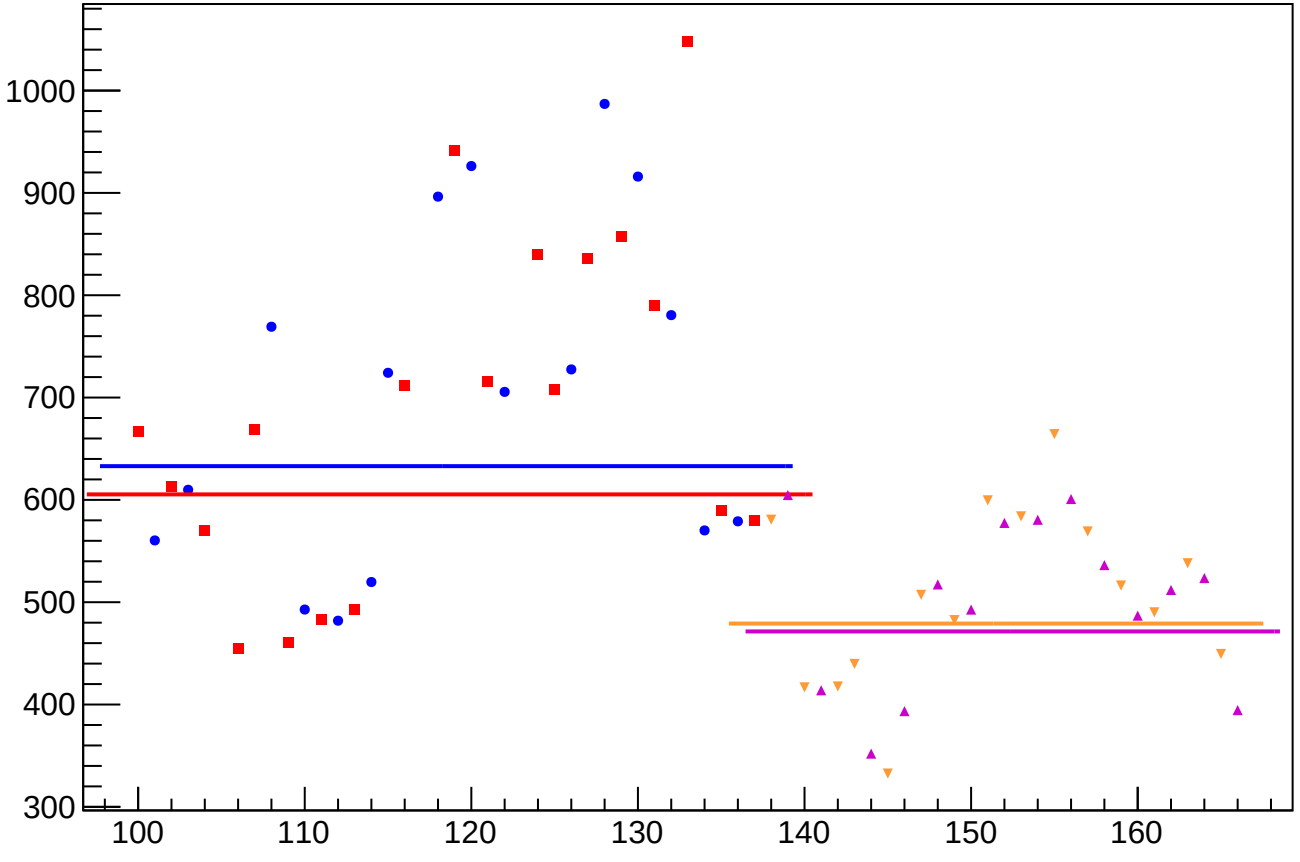
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 6.468+/-122.137 χ^2/NDF:33.0/29

Out: -441.146+/-120.752 χ^2/NDF:68.4/33

All: -219.893+/-85.870 χ^2/NDF: 108.2/63

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 479.123+/-0.101 χ^2/NDF:755941.4/14

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.434+/-0.100 χ^2/NDF:692582.4/13

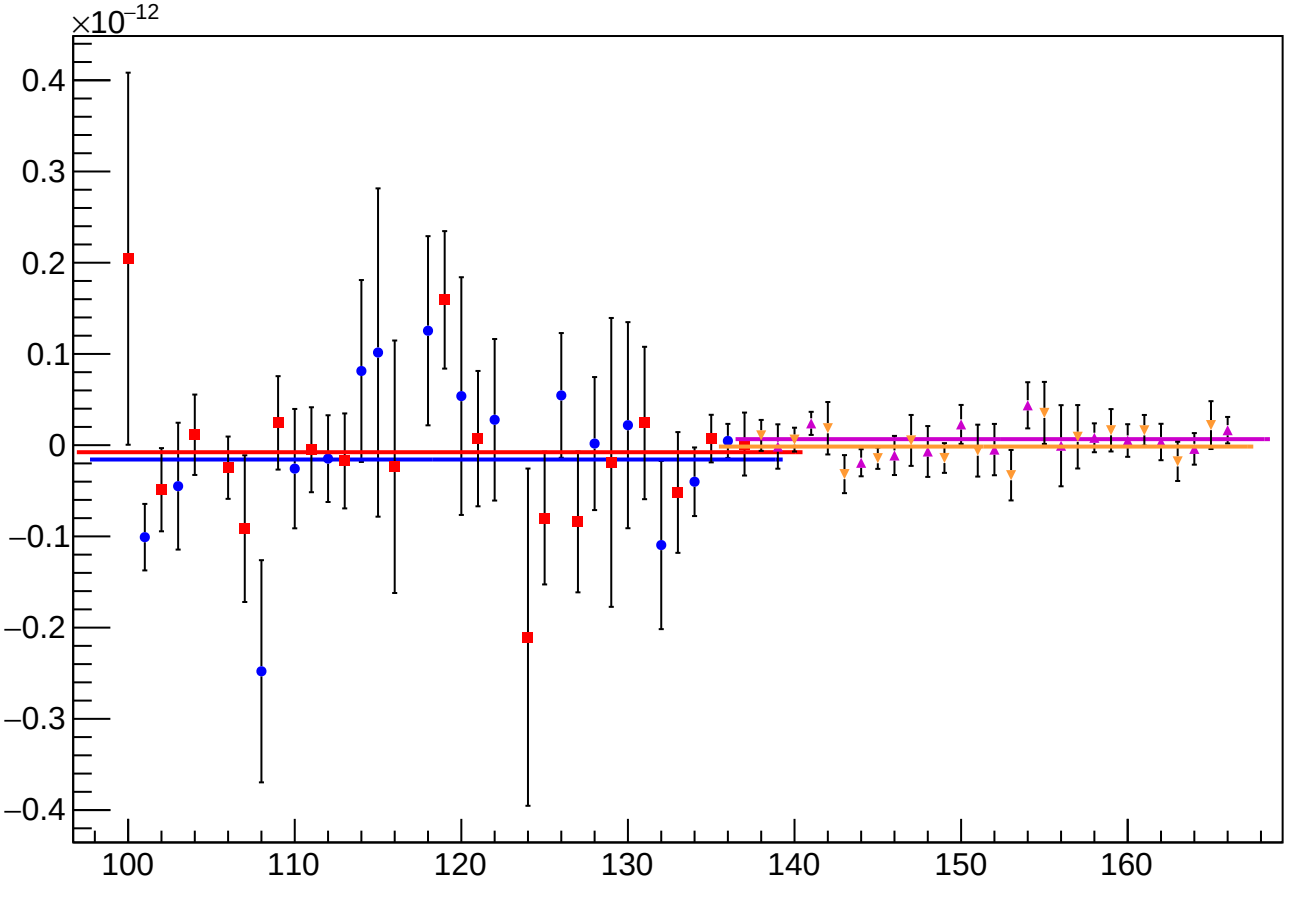
Left: 475.257+/-0.071 χ^2/NDF: 1451466.0/28

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 512.378+/-0.086 χ^2/NDF:2035680.7/29

Out: 514.260+/-0.085 χ^2/NDF:2049065.3/33

All: 513.329+/-0.061 χ^2/NDF: 4084986.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/13

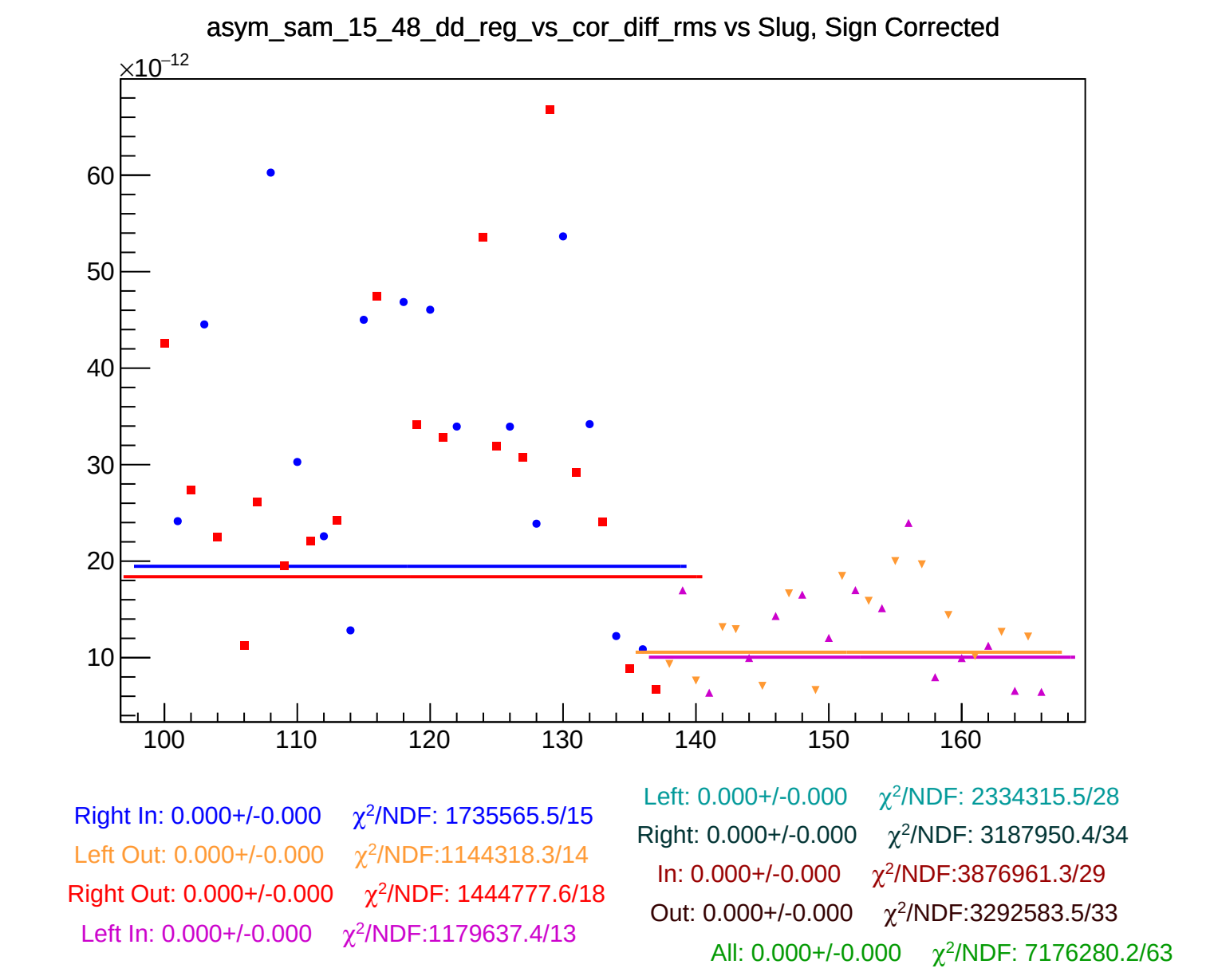
Left: 0.000+/-0.000 χ^2/NDF: 22.0/28

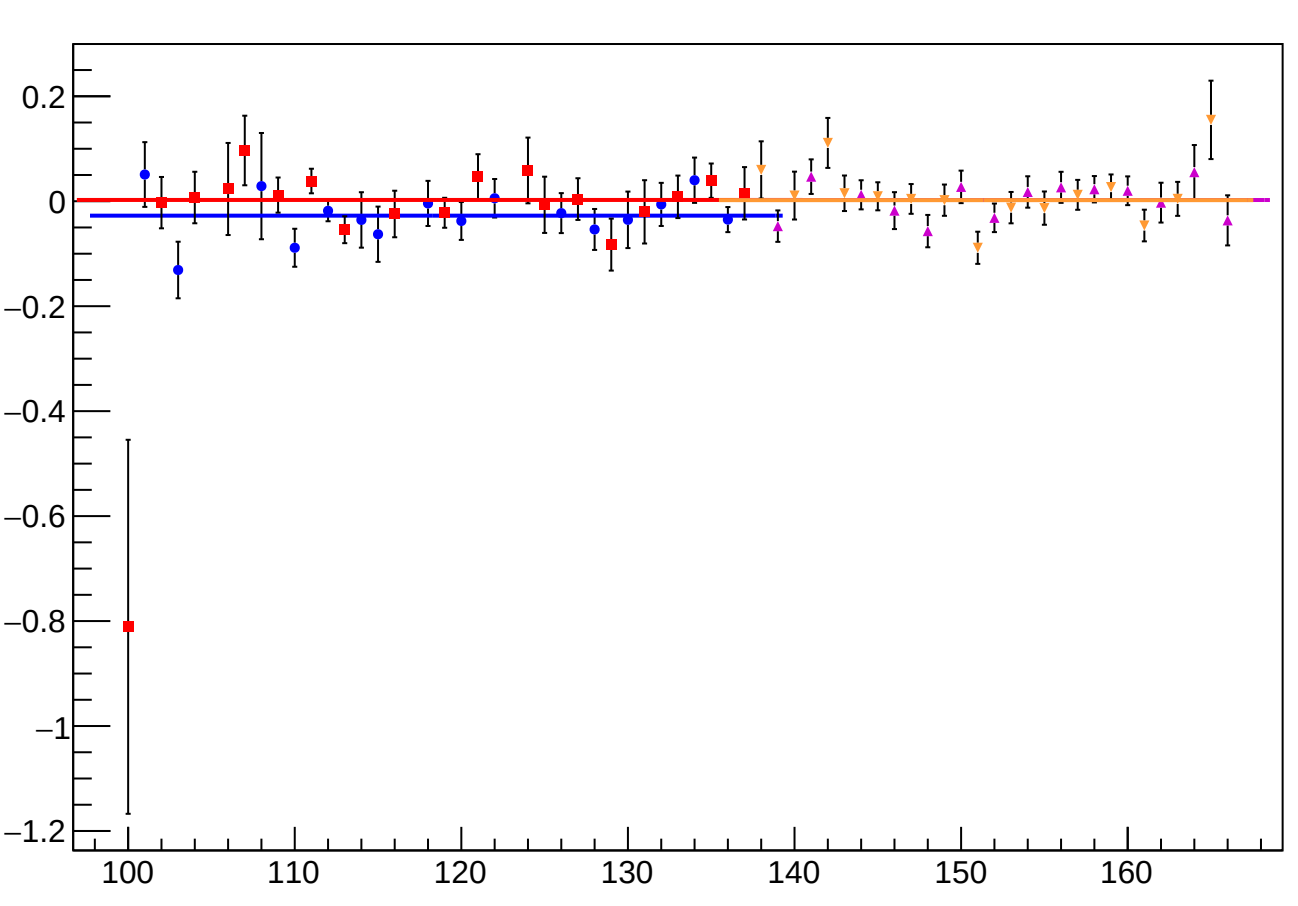
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:29.4/29

Out: -0.000+/-0.000 χ^2/NDF:24.1/33

All: 0.000+/-0.000 χ^2/NDF: 54.3/63


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1144318.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1179637.4/13
Left: 0.000+/-0.000 χ²/NDF: 2334315.5/28
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3876961.3/29
Out: 0.000+/-0.000 χ²/NDF:3292583.5/33
All: 0.000+/-0.000 χ²/NDF: 7176280.2/63



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

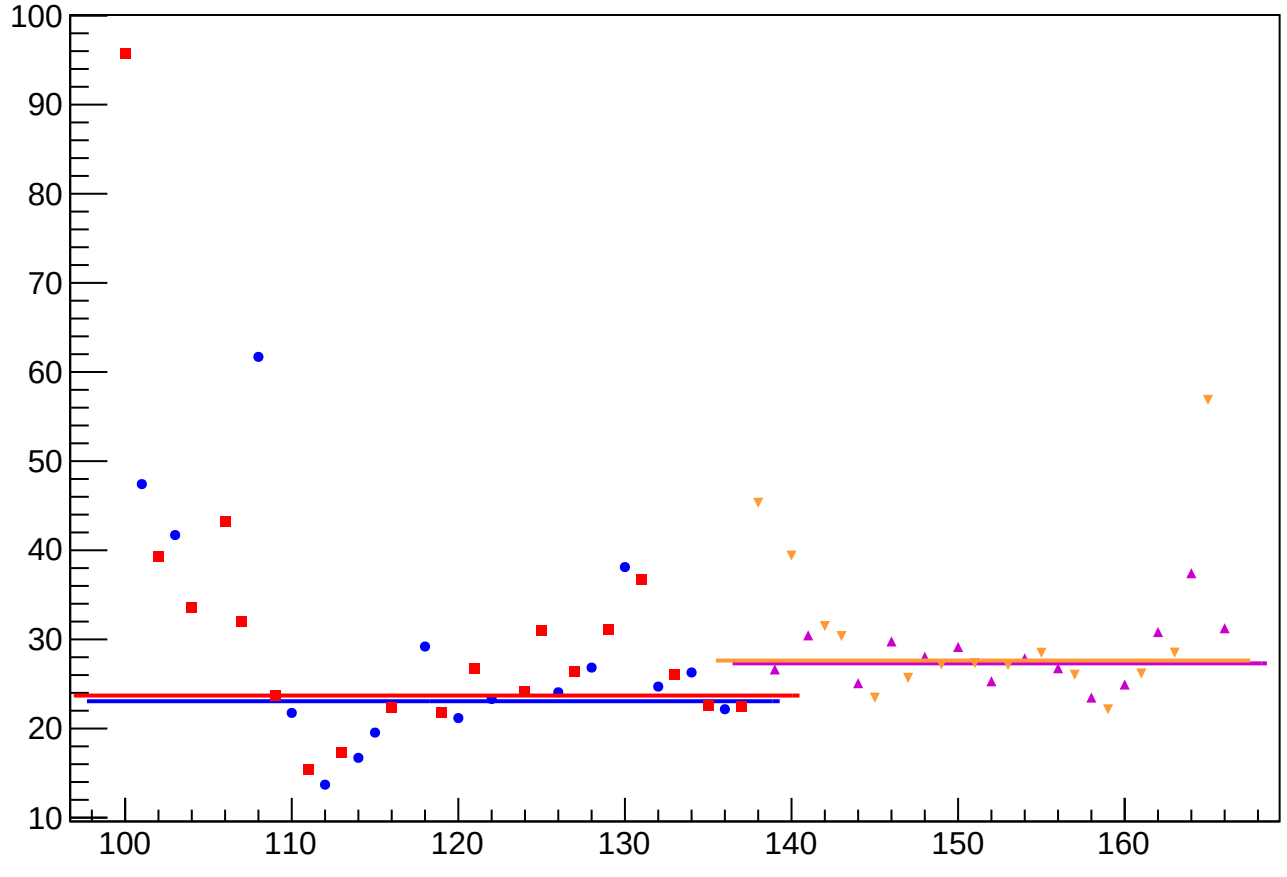
Left: 0.002+/-0.006 χ^2/NDF: 38.5/28

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 82.1/63



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.310+/-0.006 χ^2/NDF:231355.8/13

Left: 27.470+/-0.004 χ^2/NDF: 1086037.9/28

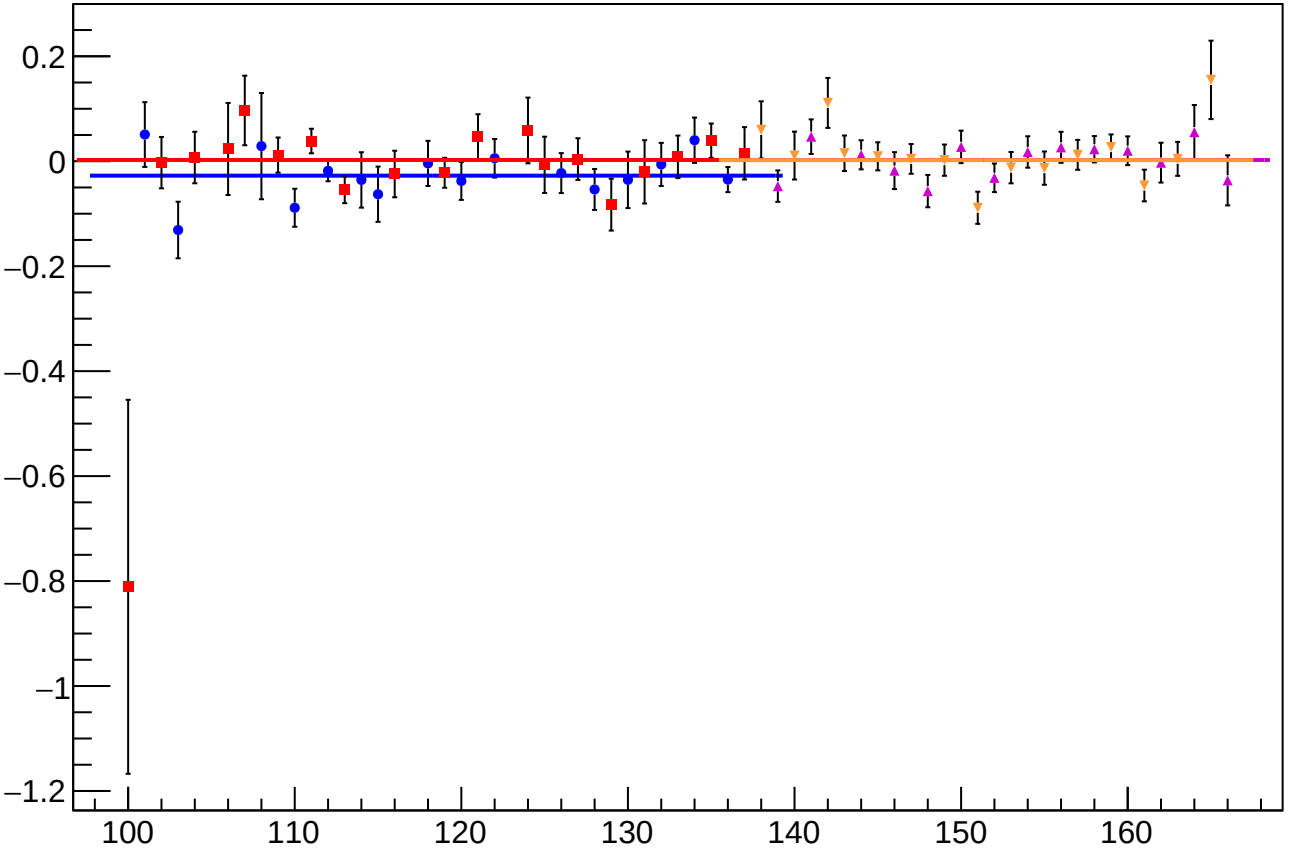
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.432+/-0.004 χ^2/NDF:2023459.1/29

Out: 25.869+/-0.004 χ^2/NDF:2138845.1/33

All: 25.652+/-0.003 χ^2/NDF: 4167233.0/63

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

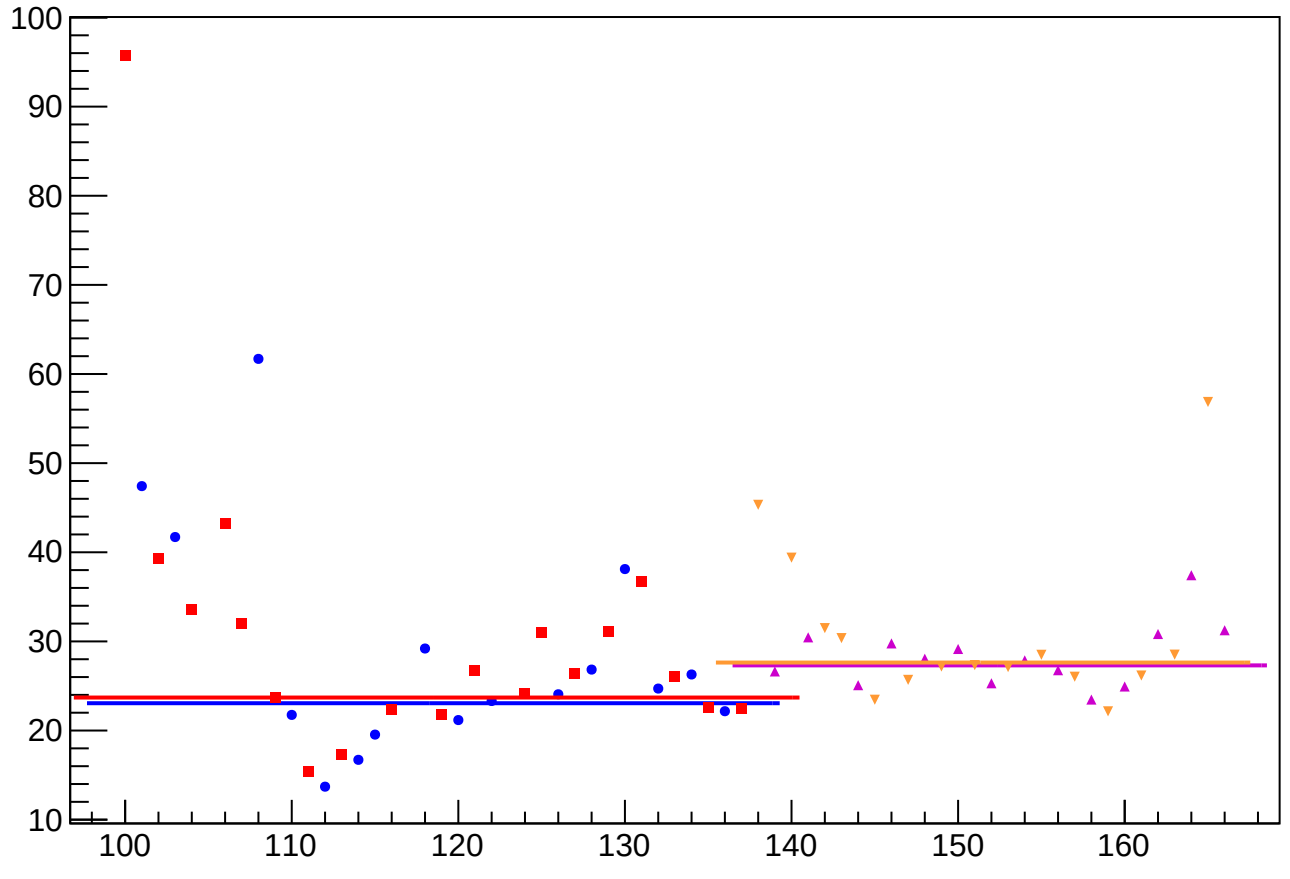
Left: 0.002+/-0.006 χ^2/NDF: 38.5/28

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 82.1/63



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.310+/-0.006 χ^2/NDF:231355.8/13

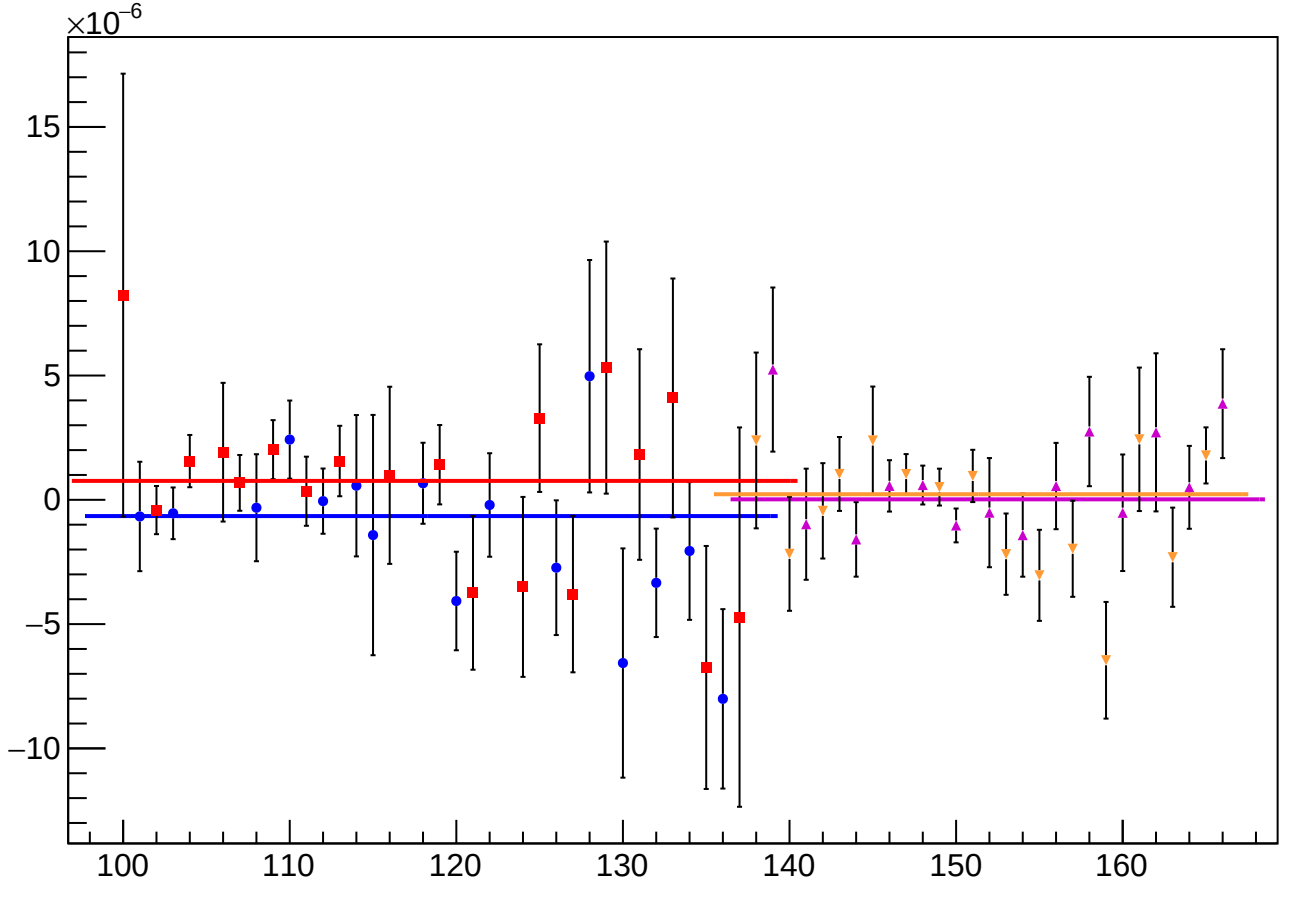
Left: 27.470+/-0.004 χ^2/NDF: 1086037.9/28

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.432+/-0.004 χ^2/NDF:2023459.1/29

Out: 25.869+/-0.004 χ^2/NDF:2138845.1/33

All: 25.652+/-0.003 χ^2/NDF: 4167233.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/13

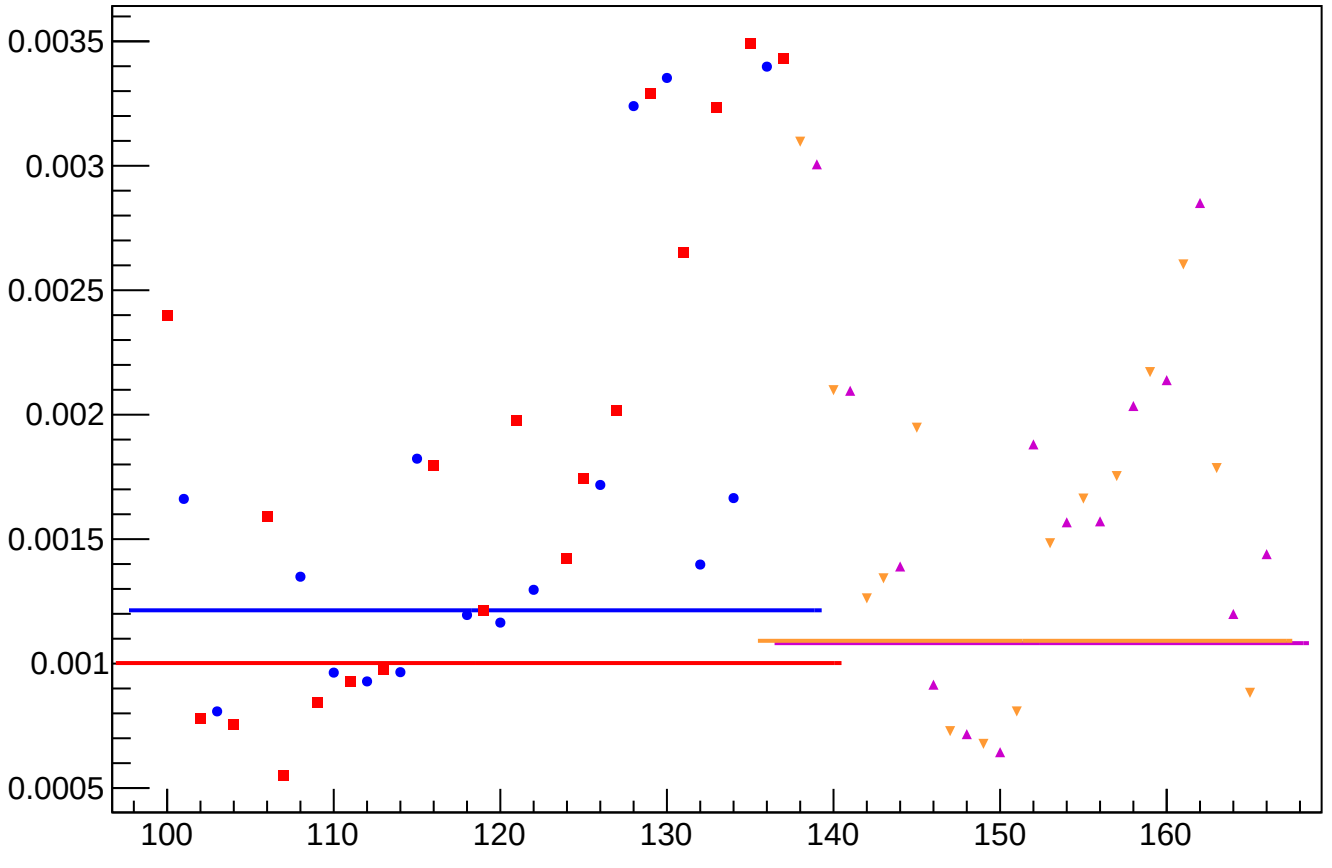
Left: 0.000+/-0.000 χ^2/NDF: 37.0/28

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:32.2/29

Out: 0.000+/-0.000 χ^2/NDF:39.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.5/63



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4419208.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4547740.7/13

Left: 0.001+/-0.000 χ^2/NDF: 8967624.7/28

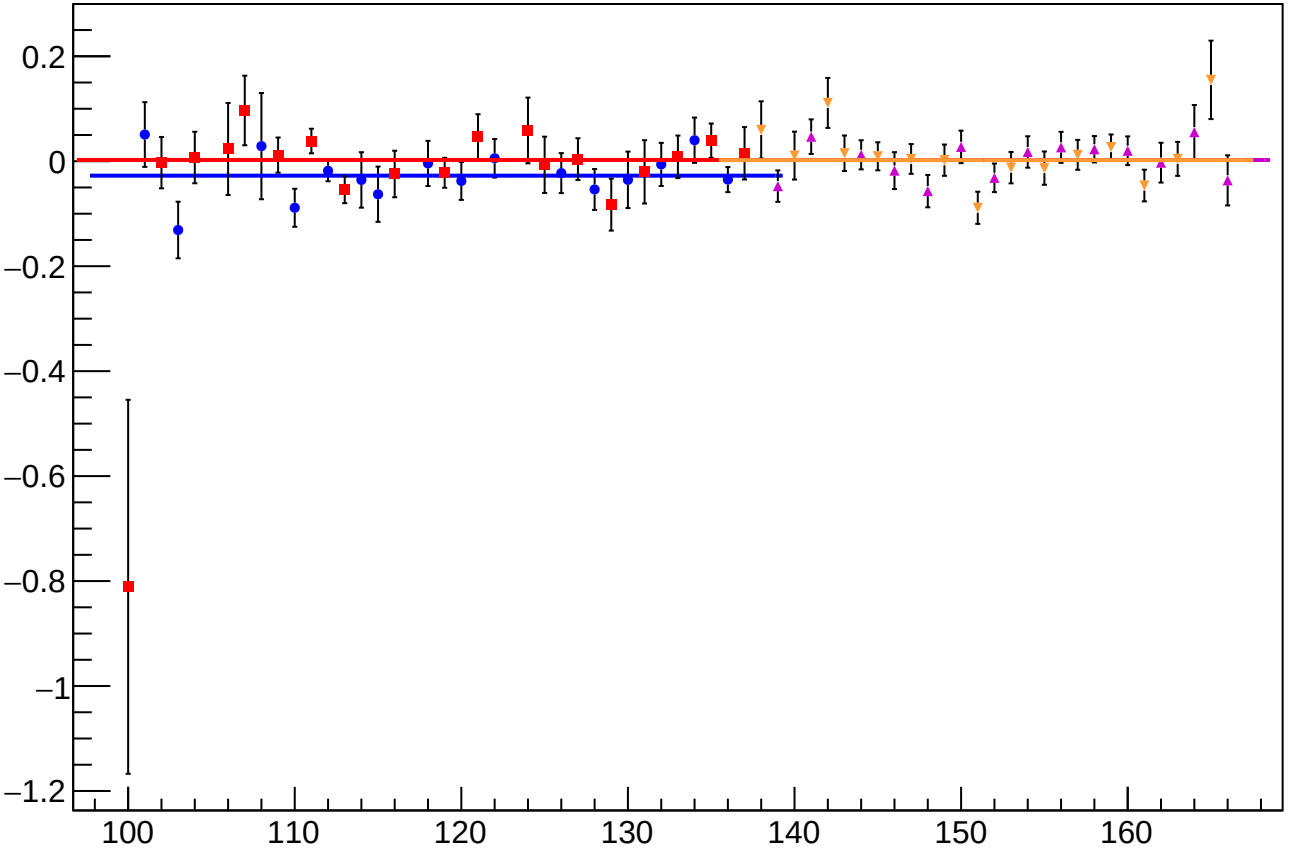
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6905727.4/29

Out: 0.001+/-0.000 χ^2/NDF:7748961.7/33

All: 0.001+/-0.000 χ^2/NDF: 14723590.1/63

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

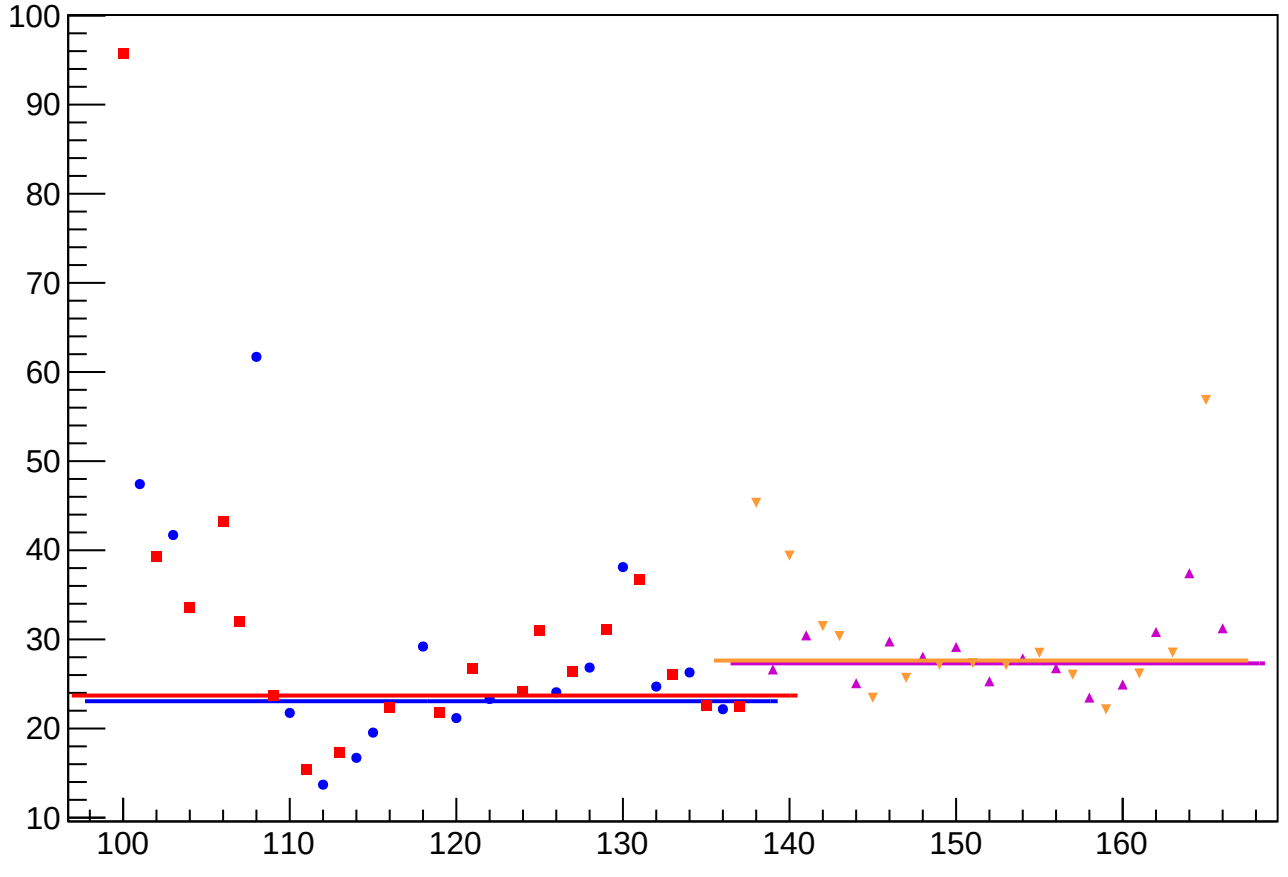
Left: 0.002+/-0.006 χ^2/NDF: 38.5/28

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 82.1/63



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.311+/-0.006 χ^2/NDF:231348.9/13

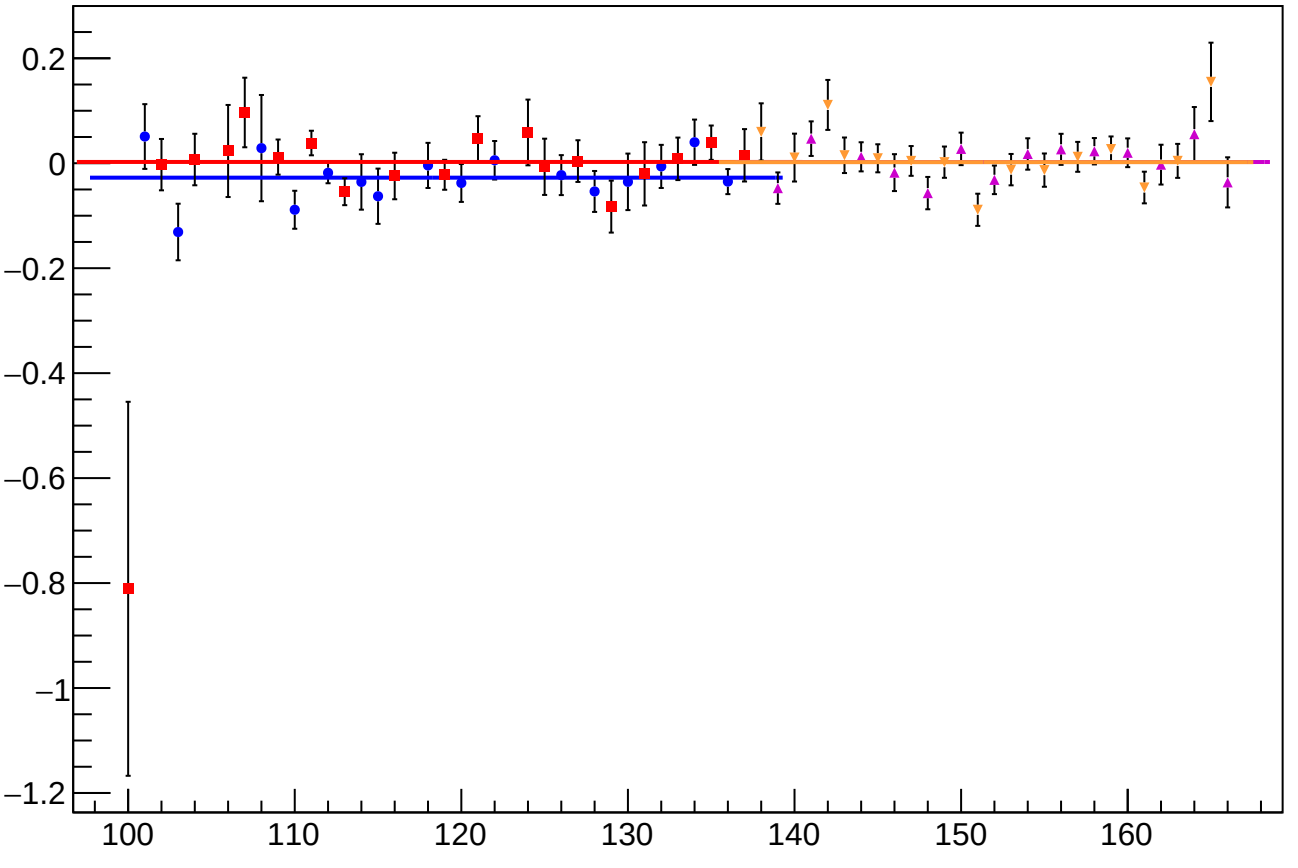
Left: 27.470+/-0.004 χ^2/NDF: 1085987.9/28

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.432+/-0.004 χ^2/NDF:2023516.2/29

Out: 25.869+/-0.004 χ^2/NDF:2138899.7/33

All: 25.652+/-0.003 χ^2/NDF: 4167345.4/63



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.008 χ^2/NDF:14.7/13

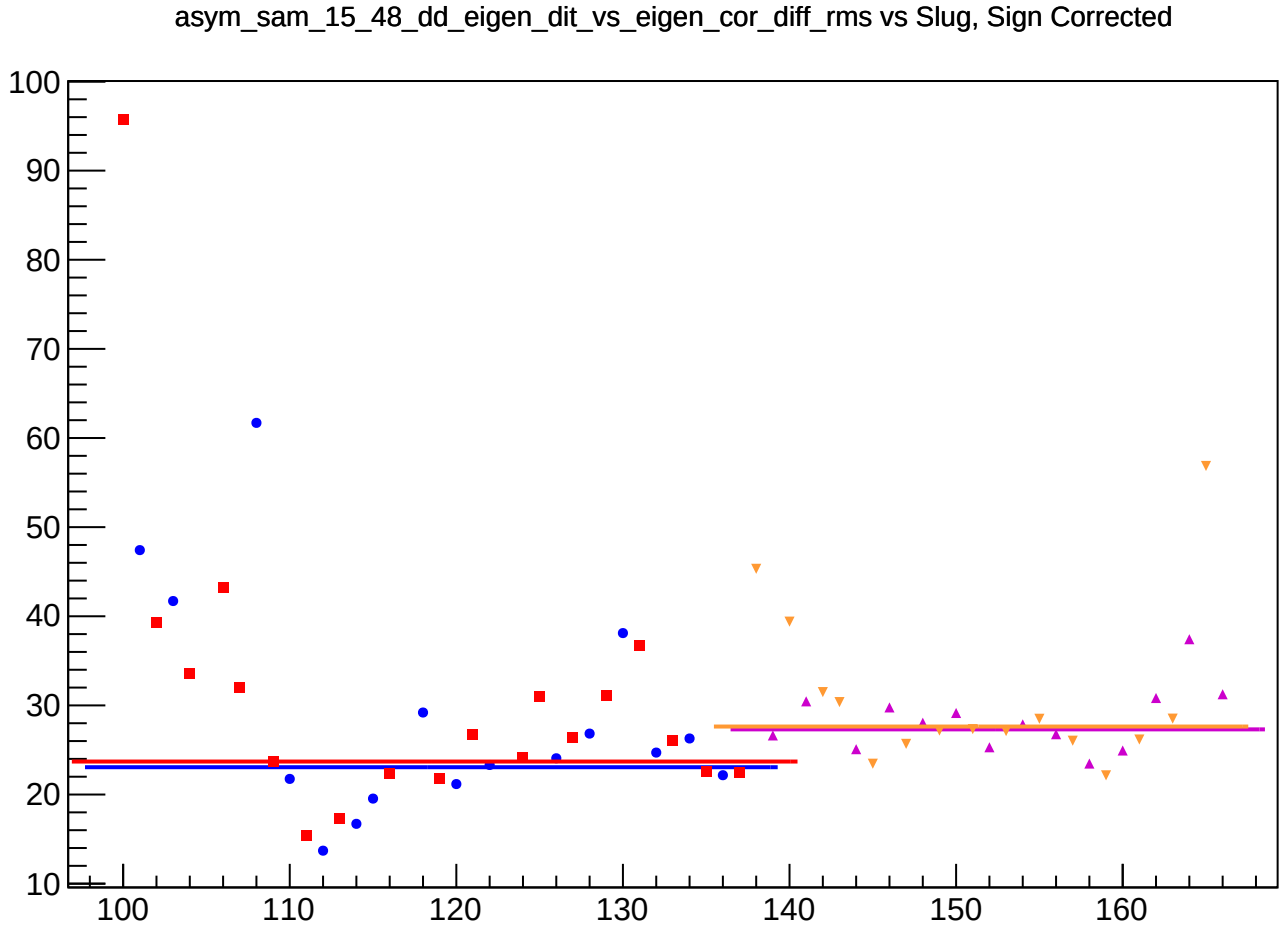
Left: 0.002+/-0.006 χ^2/NDF: 38.5/28

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.0/29

Out: 0.002+/-0.006 χ^2/NDF:45.9/33

All: -0.004+/-0.004 χ^2/NDF: 82.1/63



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.311+/-0.006 χ^2/NDF:231348.9/13

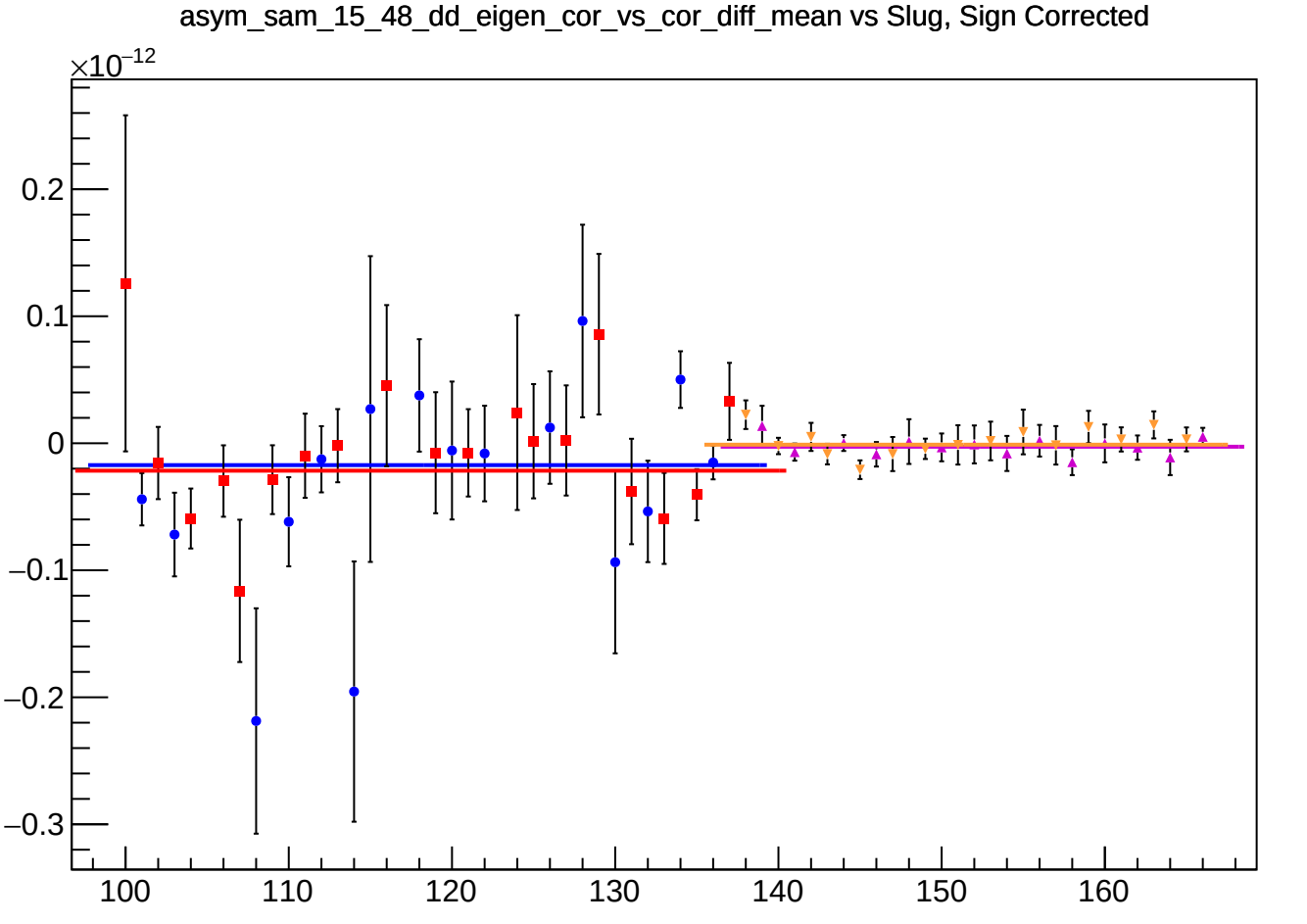
Left: 27.470+/-0.004 χ^2/NDF: 1085987.9/28

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.432+/-0.004 χ^2/NDF:2023516.2/29

Out: 25.869+/-0.004 χ^2/NDF:2138899.7/33

All: 25.652+/-0.003 χ^2/NDF: 4167345.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/13

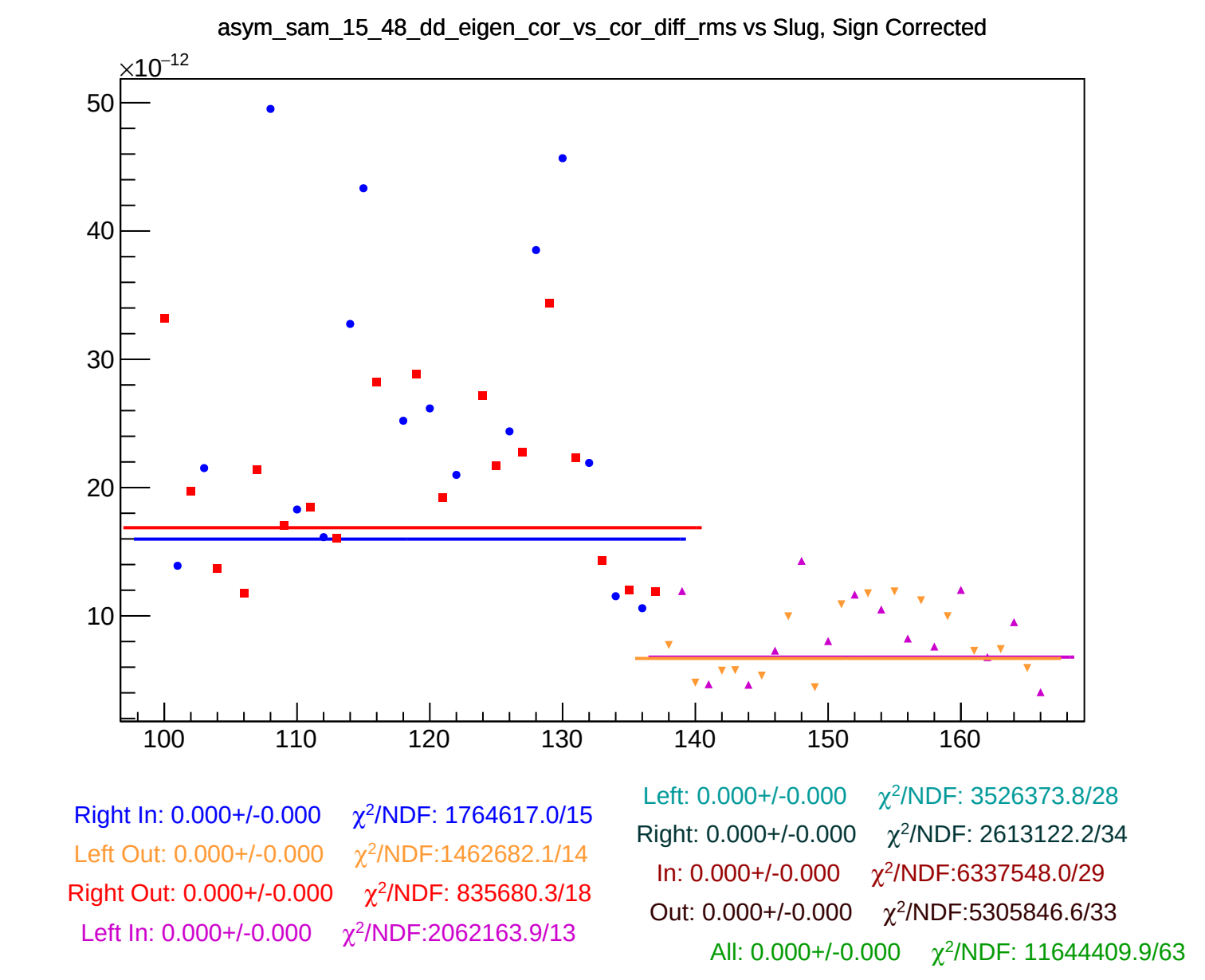
Left: -0.000+/-0.000 χ^2/NDF: 22.9/28

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:38.4/29

Out: -0.000+/-0.000 χ^2/NDF:41.4/33

All: -0.000+/-0.000 χ^2/NDF: 79.9/63


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
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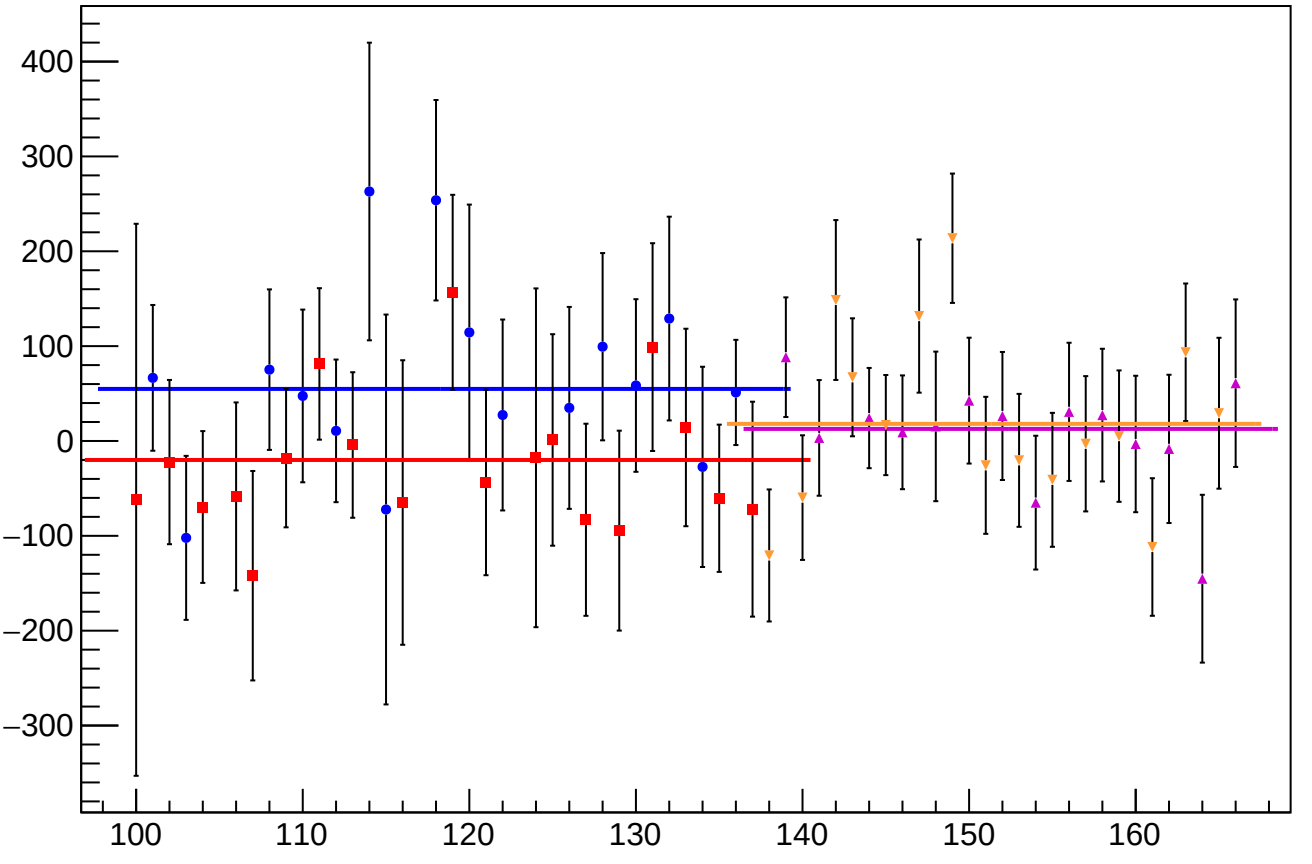
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1462682.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2062163.9/13
Left: 0.000+/-0.000 χ²/NDF: 3526373.8/28
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:6337548.0/29
Out: 0.000+/-0.000 χ²/NDF:5305846.6/33
All: 0.000+/-0.000 χ²/NDF: 11644409.9/63



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.067+/-17.948 χ^2/NDF:24.4/14

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 12.718+/-18.347 χ^2/NDF:6.7/13

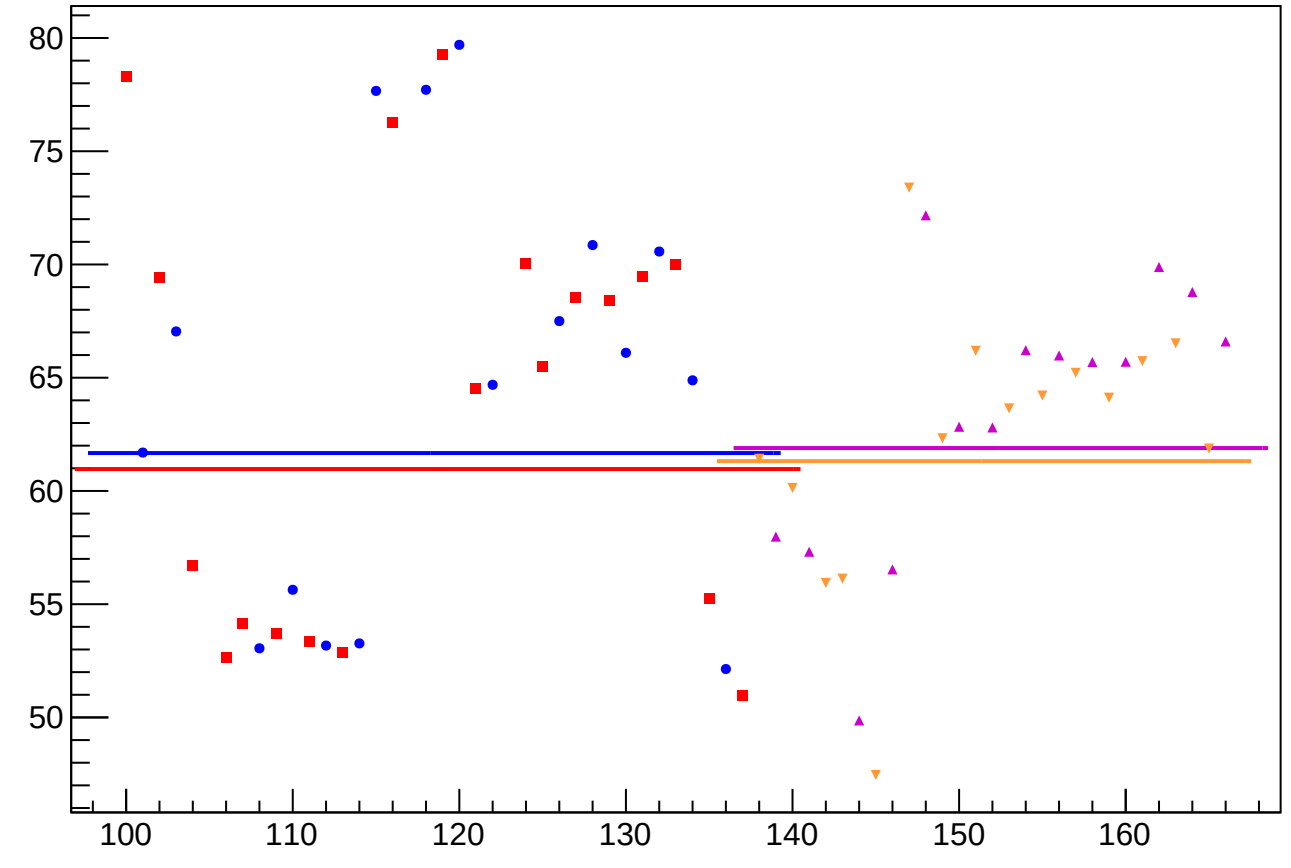
Left: 15.451+/-12.830 χ^2/NDF: 31.1/28

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 28.960+/-14.386 χ^2/NDF:19.7/29

Out: 3.313+/-14.048 χ^2/NDF:35.4/33

All: 15.832+/-10.051 χ^2/NDF: 56.8/63



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.895+/-0.013 χ^2/NDF:237292.2/13

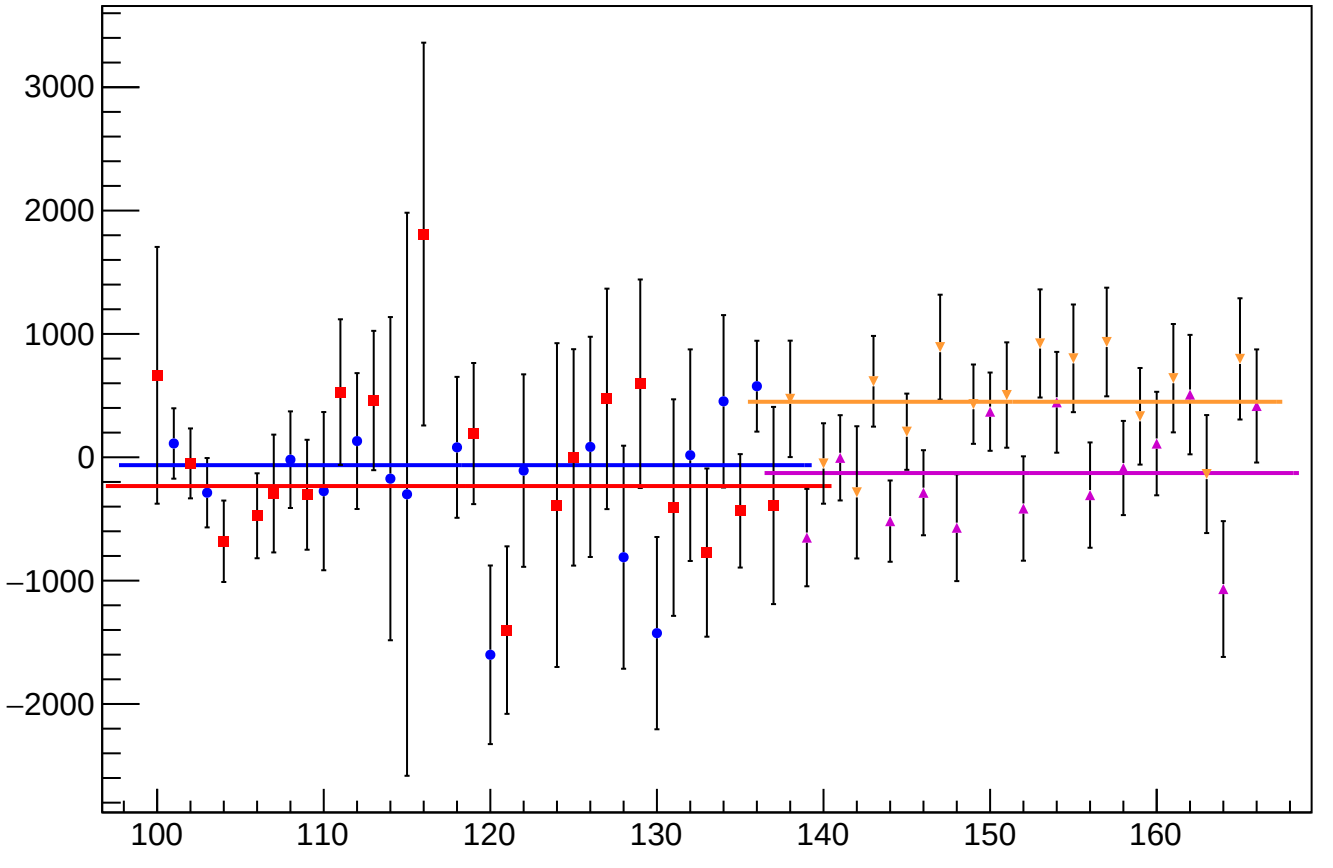
Left: 61.599+/-0.009 χ^2/NDF: 485806.8/28

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.810+/-0.010 χ^2/NDF:504513.3/29

Out: 61.181+/-0.010 χ^2/NDF:531972.8/33

All: 61.488+/-0.007 χ^2/NDF: 1038443.2/63



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 450.028+/-104.398 χ^2/NDF:11.5/14

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -127.751+/-105.646 χ^2/NDF:16.0/13

Left: 164.571+/-74.258 χ^2/NDF: 42.6/28

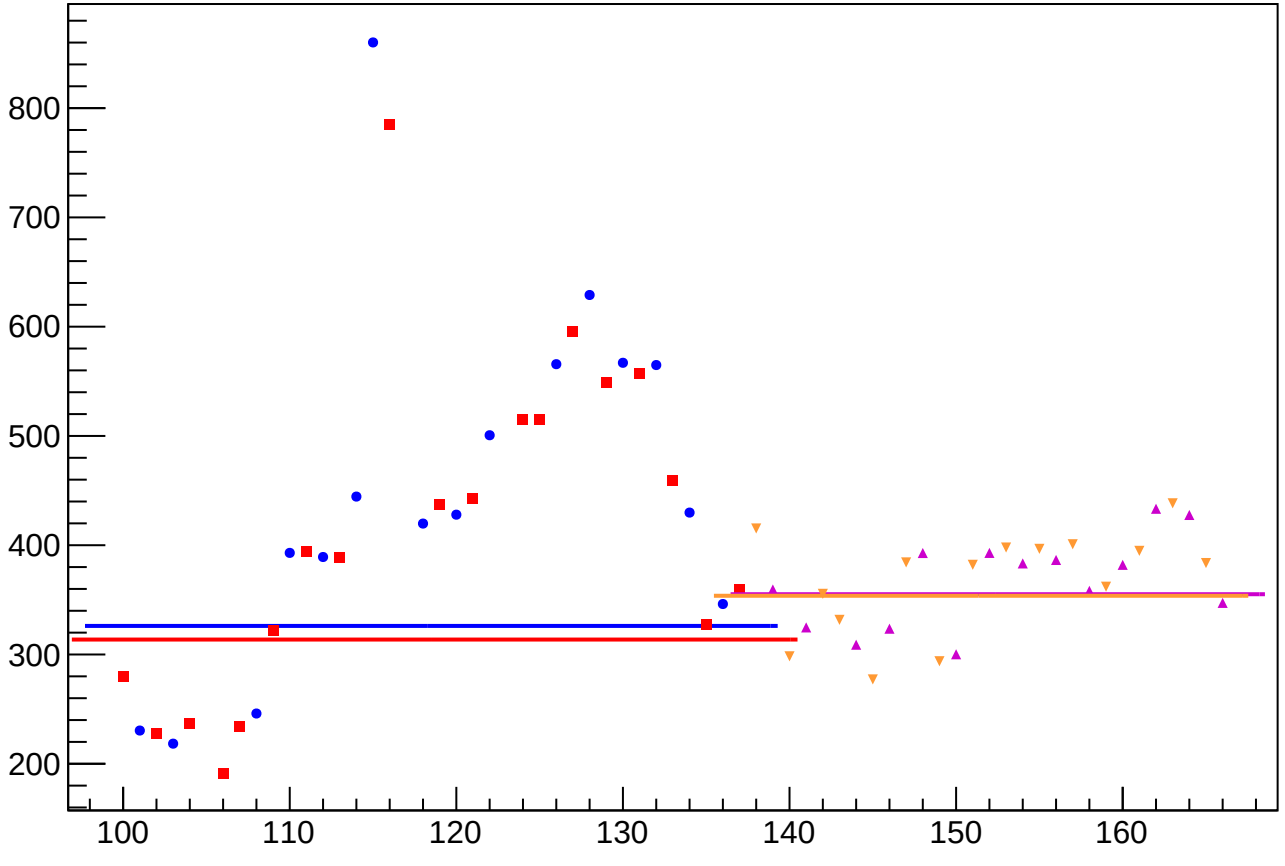
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -102.252+/-81.905 χ^2/NDF:29.3/29

Out: 163.365+/-79.537 χ^2/NDF:44.0/33

All: 34.452+/-57.060 χ^2/NDF: 78.7/63

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.744+/-0.074 χ^2/NDF:461353.0/14

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

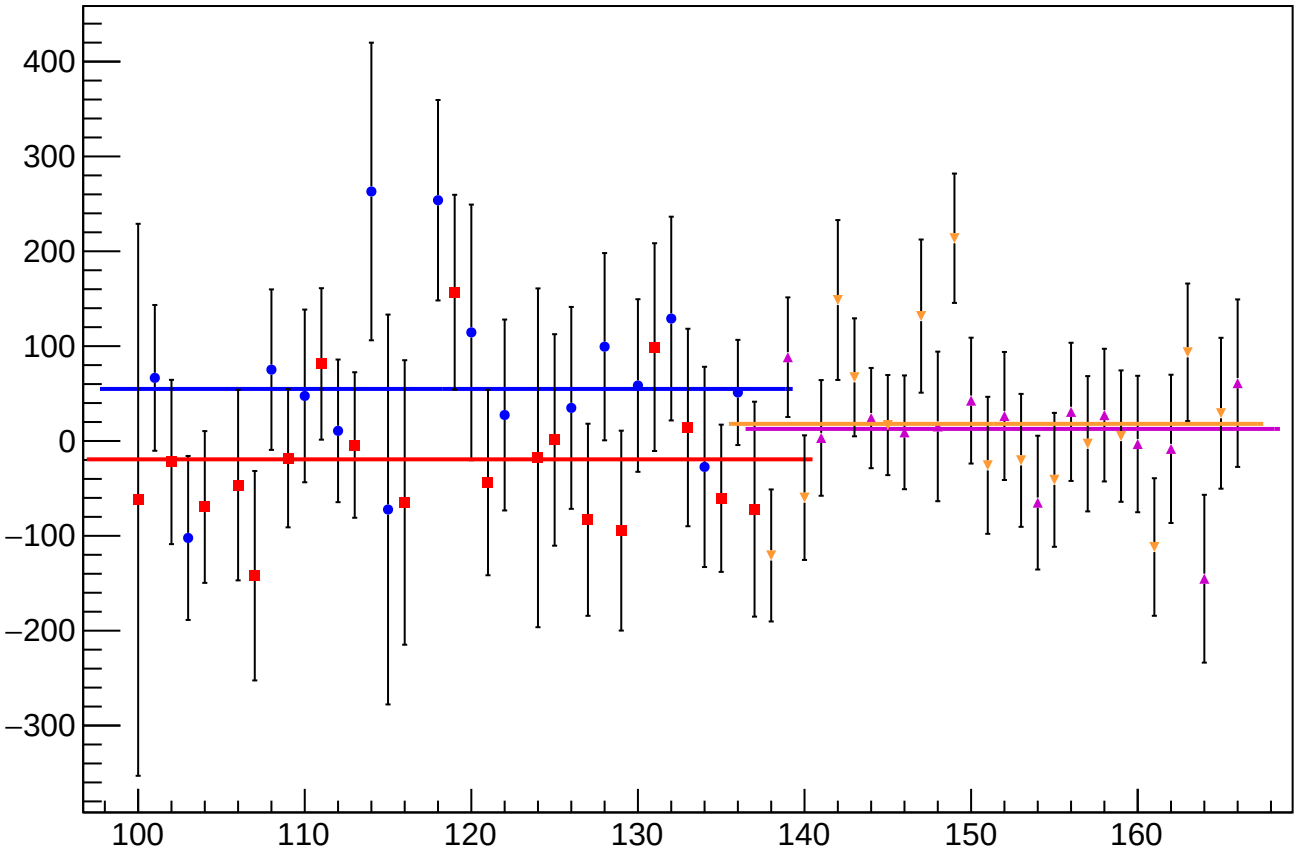
Left: 354.442+/-0.053 χ^2/NDF: 740565.8/28

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.584+/-0.058 χ^2/NDF:2073188.8/29

Out: 336.931+/-0.056 χ^2/NDF:2372334.2/33

All: 340.160+/-0.040 χ^2/NDF: 4452313.3/63



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.066+/-17.948 χ^2/NDF:24.4/14

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 12.718+/-18.347 χ^2/NDF:6.7/13

Left: 15.451+/-12.830 χ^2/NDF: 31.1/28

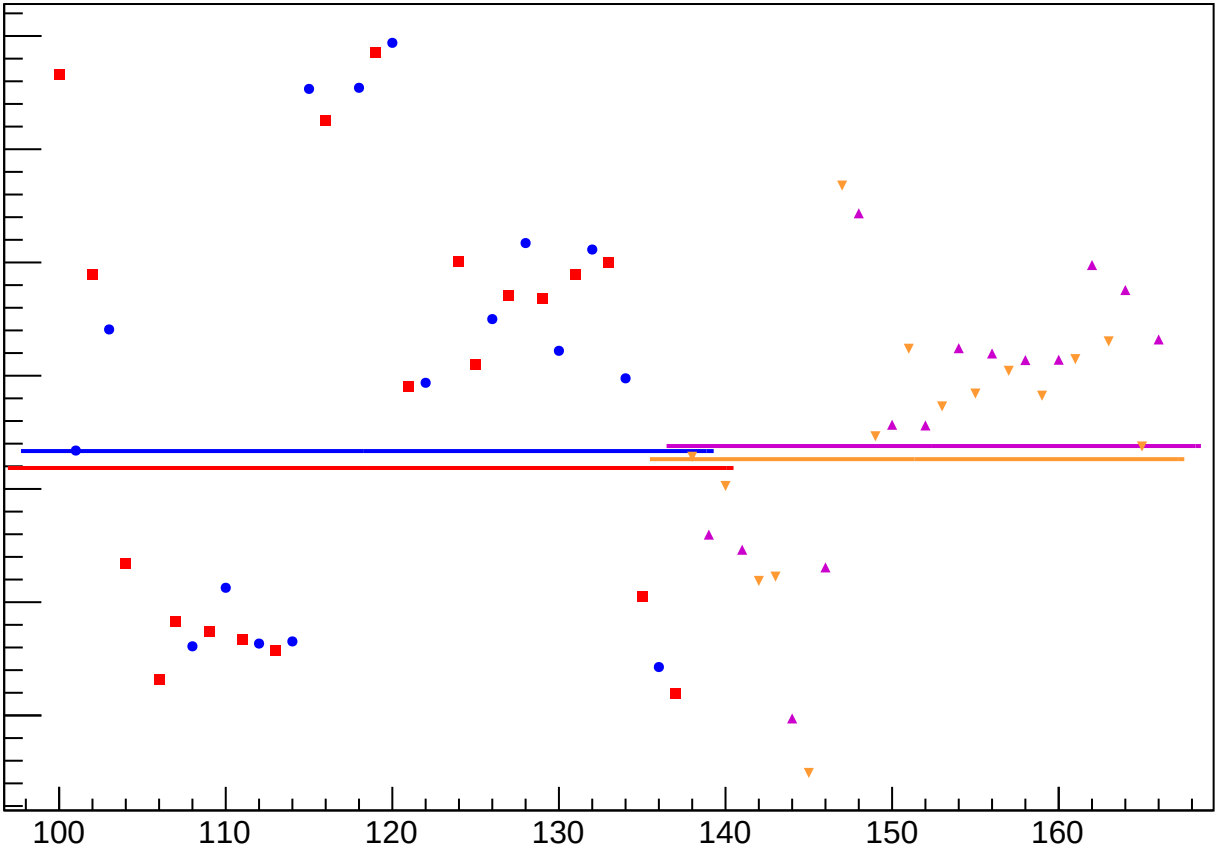
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 28.958+/-14.386 χ^2/NDF:19.7/29

Out: 3.584+/-14.052 χ^2/NDF:35.2/33

All: 15.973+/-10.052 χ^2/NDF: 56.6/63

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.895+/-0.013 χ^2/NDF:237292.2/13

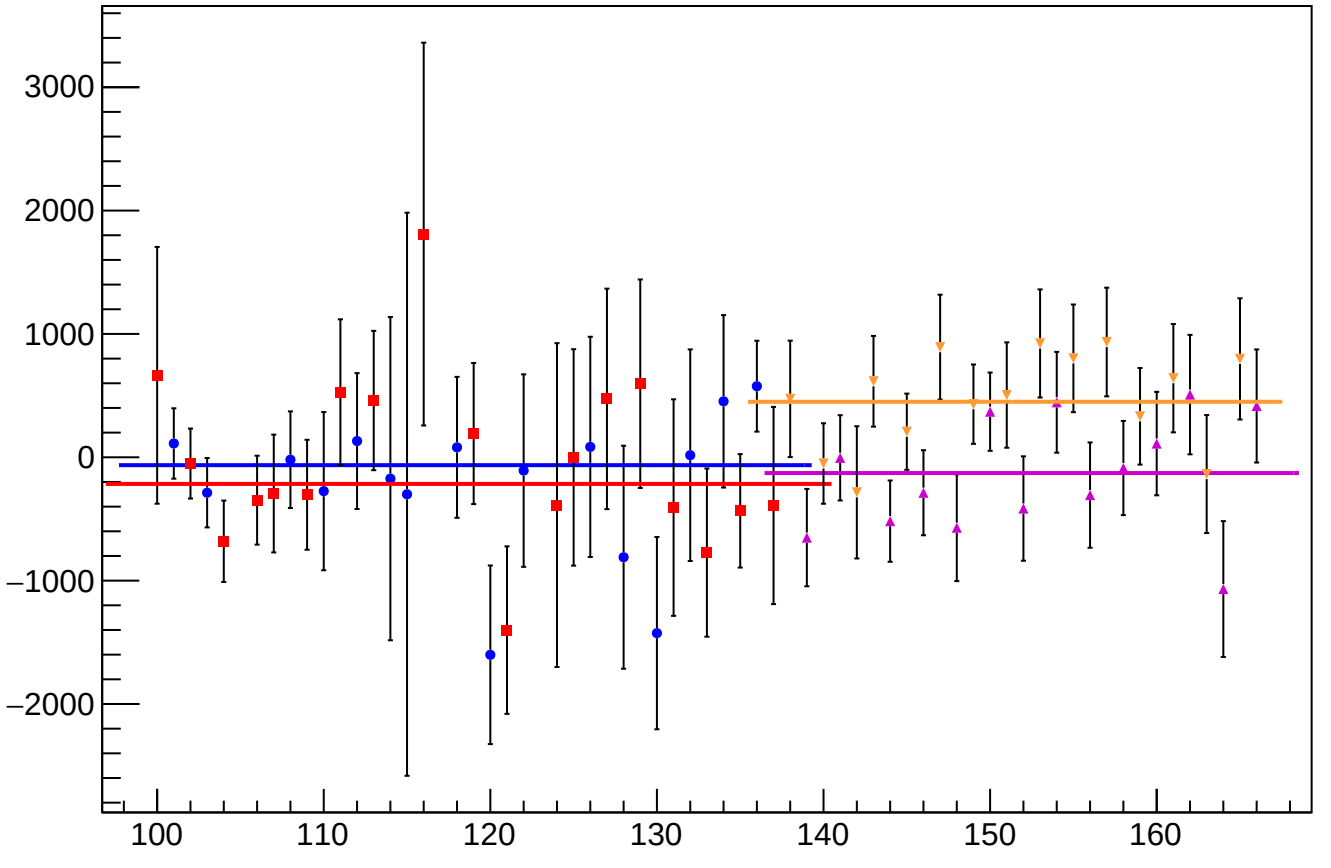
Left: 61.599+/-0.009 χ^2/NDF: 485806.8/28

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.810+/-0.010 χ^2/NDF:504513.5/29

Out: 61.165+/-0.010 χ^2/NDF:535441.3/33

All: 61.480+/-0.007 χ^2/NDF: 1042010.2/63



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 450.027+/-104.398 χ^2/NDF:11.5/14

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -127.750+/-105.646 χ^2/NDF:16.0/13

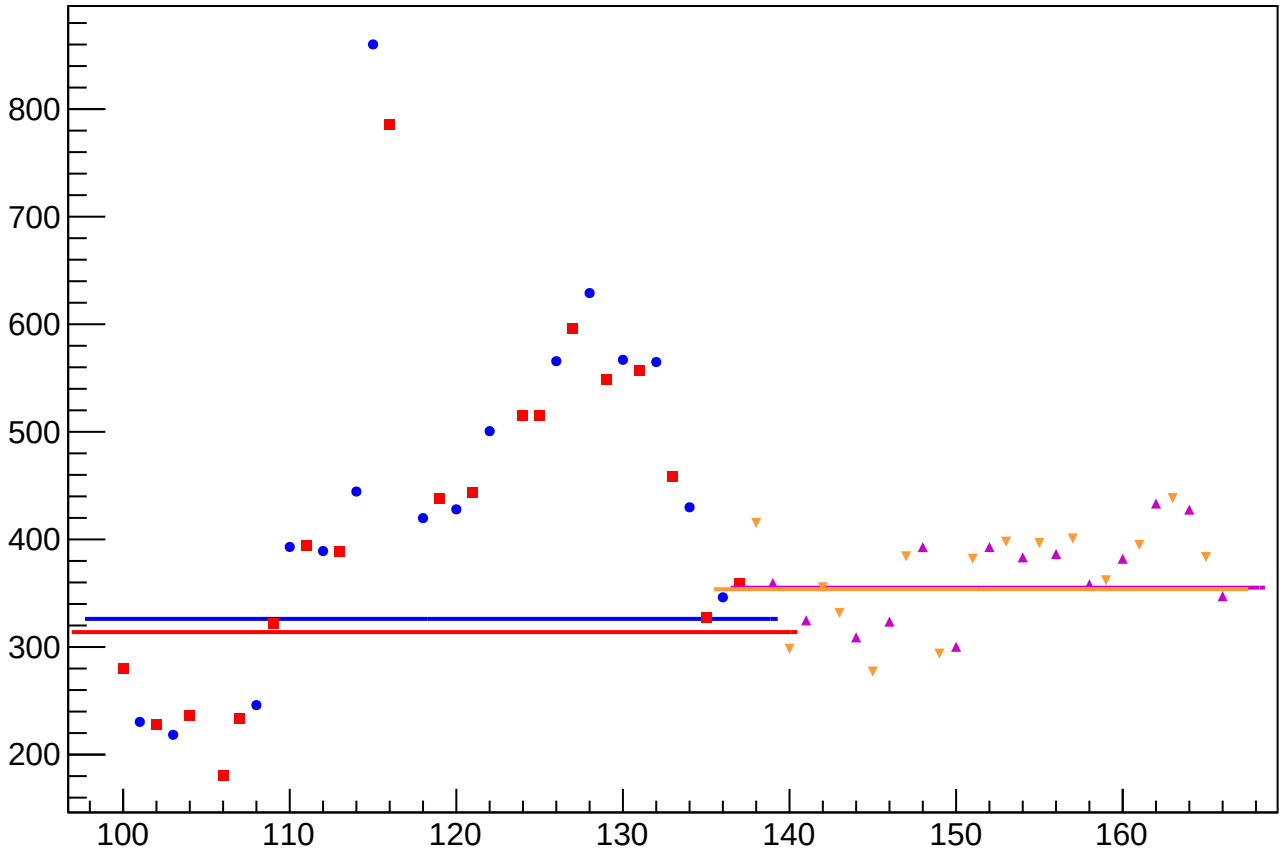
Left: 164.571+/-74.258 χ^2/NDF: 42.6/28

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -102.246+/-81.905 χ^2/NDF:29.3/29

Out: 172.463+/-79.726 χ^2/NDF:42.5/33

All: 38.811+/-57.130 χ^2/NDF: 77.6/63



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

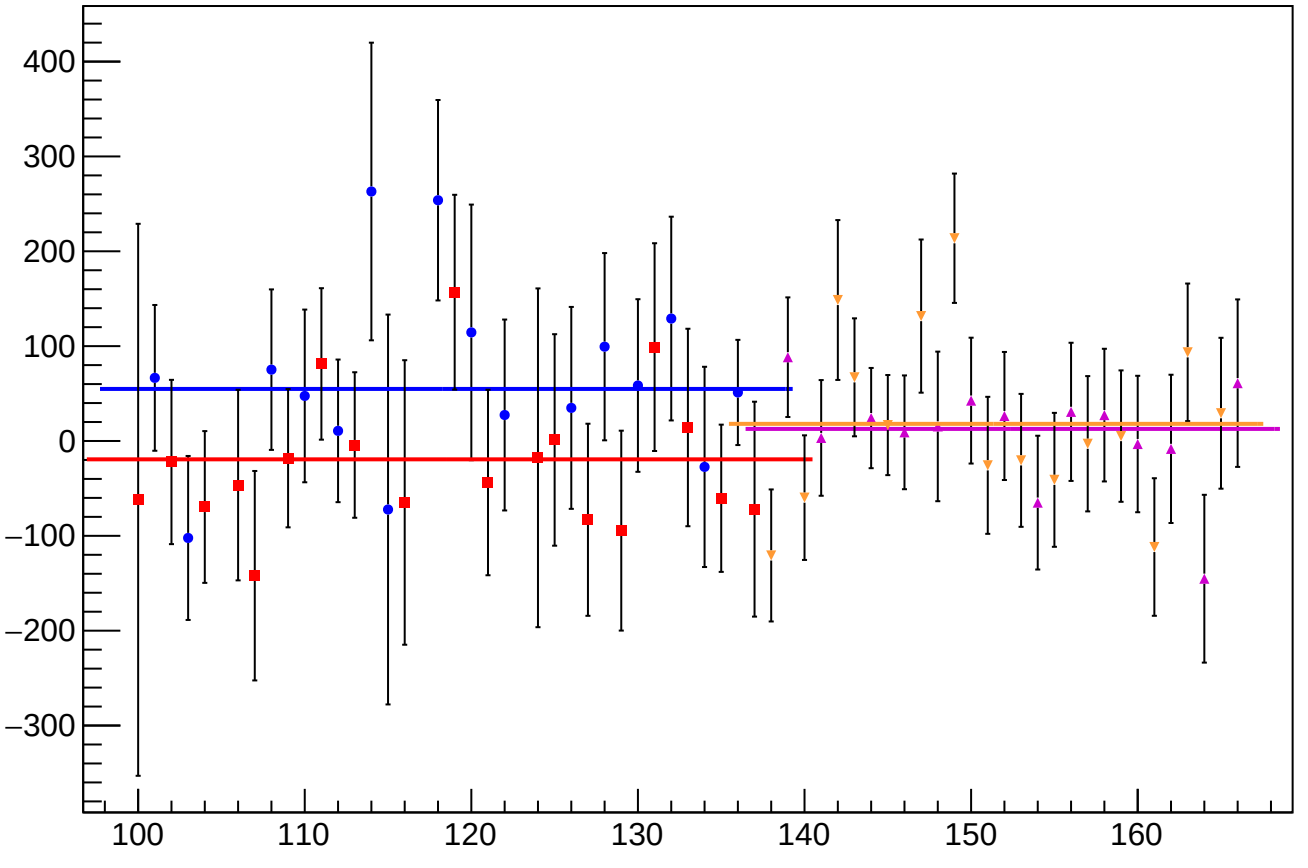
Left: 354.442+/-0.053 χ^2/NDF: 740565.0/28

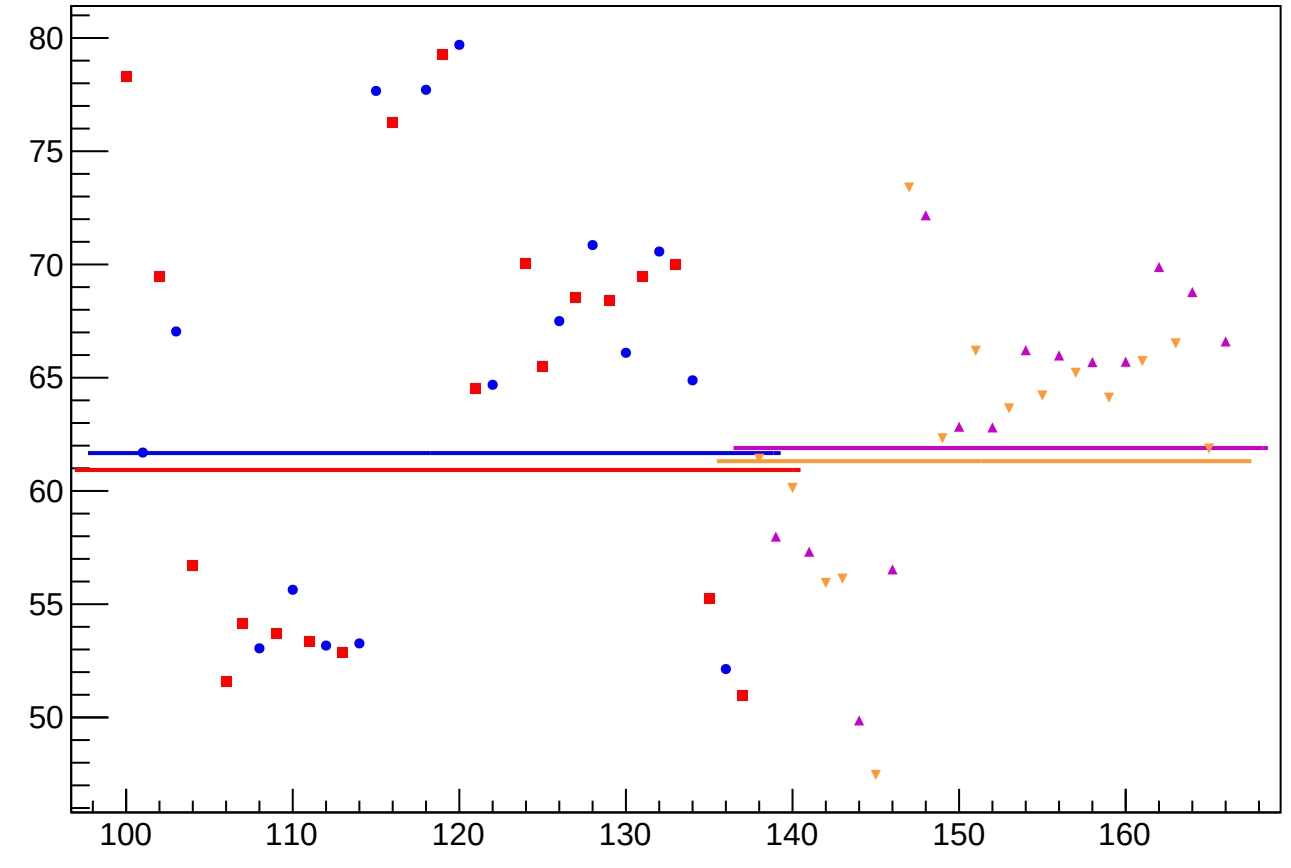
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.585+/-0.058 χ^2/NDF:2073116.2/29

Out: 337.121+/-0.056 χ^2/NDF:2388795.8/33

All: 340.266+/-0.040 χ^2/NDF: 4468308.6/63


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 18.066+/-17.948 χ²/NDF:24.4/14
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 12.718+/-18.347 χ²/NDF:6.7/13
Left: 15.451+/-12.830 χ²/NDF: 31.1/28
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 28.958+/-14.386 χ²/NDF:19.7/29
Out: 3.584+/-14.052 χ²/NDF:35.2/33
All: 15.973+/-10.052 χ²/NDF: 56.6/63



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.895+/-0.013 χ^2/NDF:237292.2/13

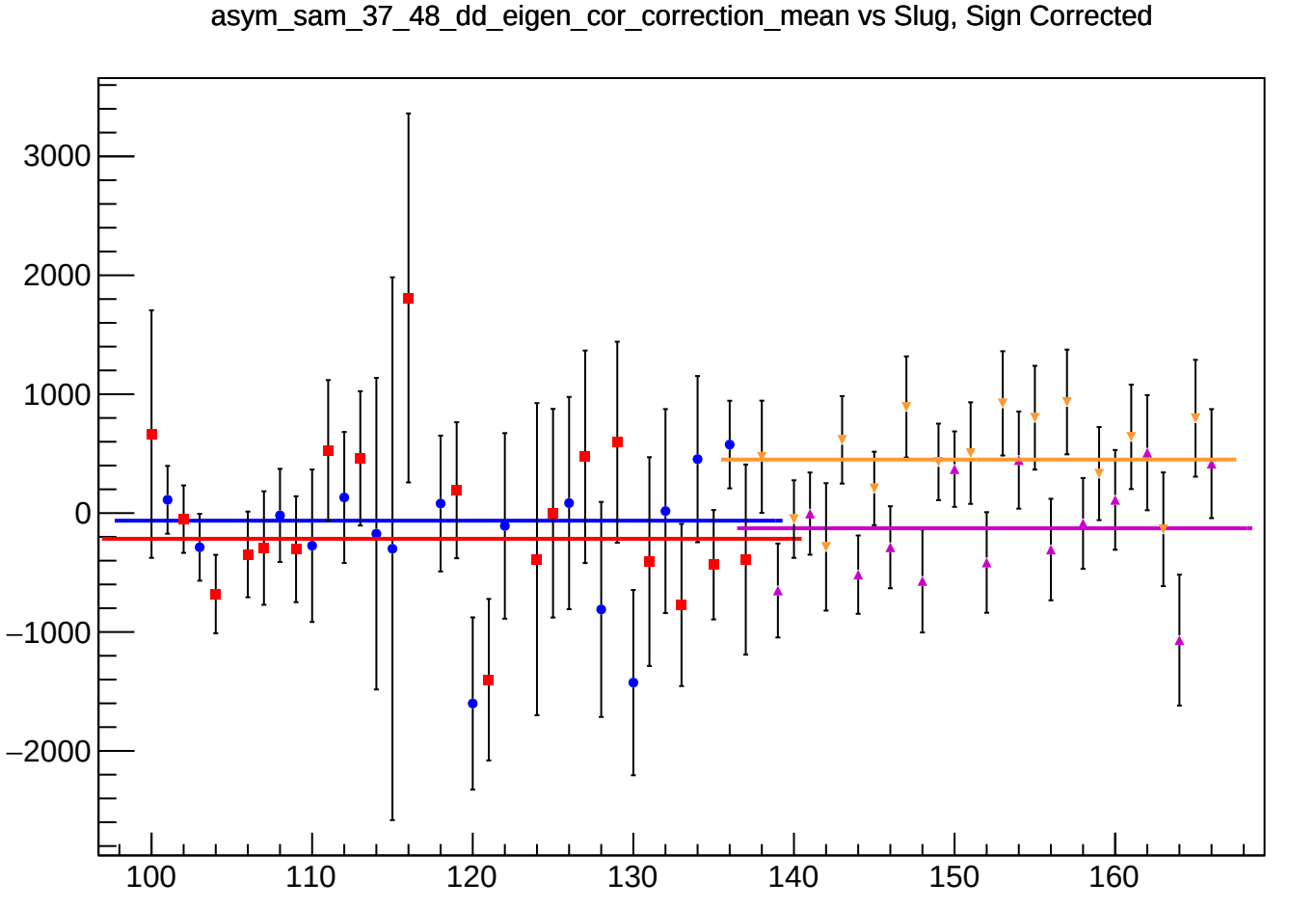
Left: 61.599+/-0.009 χ^2/NDF: 485806.8/28

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

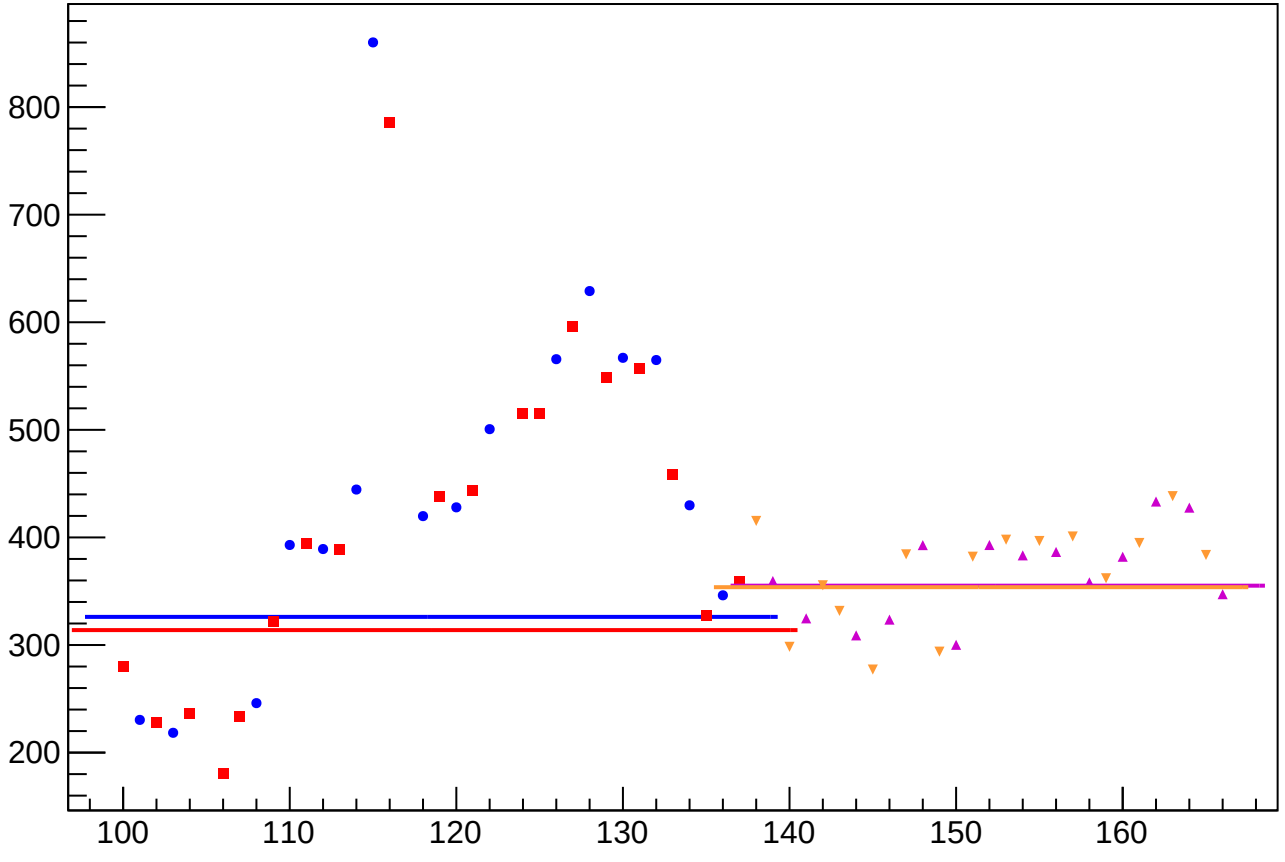
In: 61.810+/-0.010 χ^2/NDF:504513.5/29

Out: 61.165+/-0.010 χ^2/NDF:535441.3/33

All: 61.480+/-0.007 χ^2/NDF: 1042010.2/63


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 450.027+/-104.398 χ²/NDF:11.5/14
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -127.750+/-105.646 χ²/NDF:16.0/13
Left: 164.571+/-74.258 χ²/NDF: 42.6/28
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -102.246+/-81.905 χ²/NDF:29.3/29
Out: 172.463+/-79.726 χ²/NDF:42.5/33
All: 38.811+/-57.130 χ²/NDF: 77.6/63

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.157+/-0.075 χ^2/NDF:279031.9/13

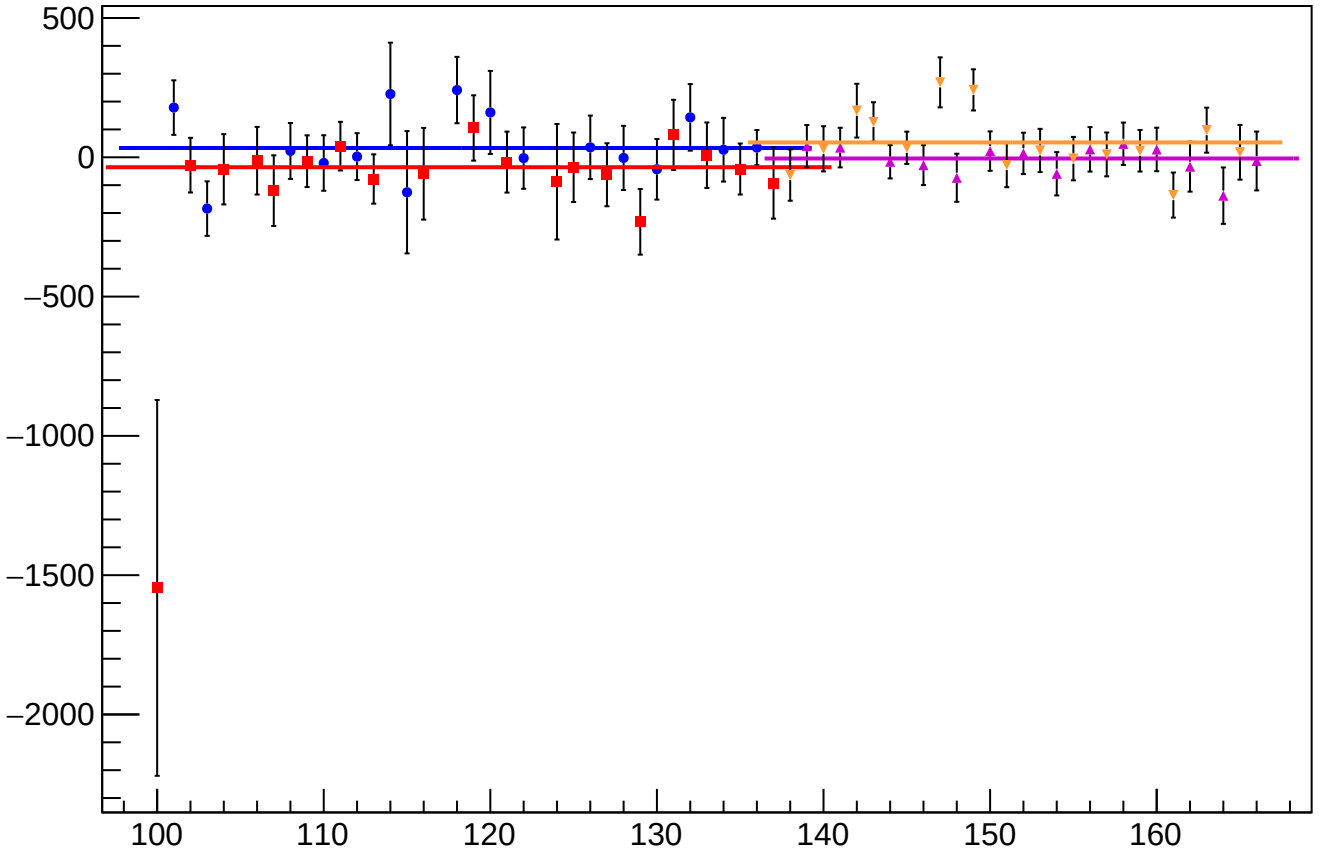
Left: 354.442+/-0.053 χ^2/NDF: 740565.0/28

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.585+/-0.058 χ^2/NDF:2073116.2/29

Out: 337.121+/-0.056 χ^2/NDF:2388795.8/33

All: 340.266+/-0.040 χ^2/NDF: 4468308.6/63



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -4.304+/-20.716 χ^2/NDF:4.8/13

Left: 25.055+/-14.508 χ^2/NDF: 33.4/28

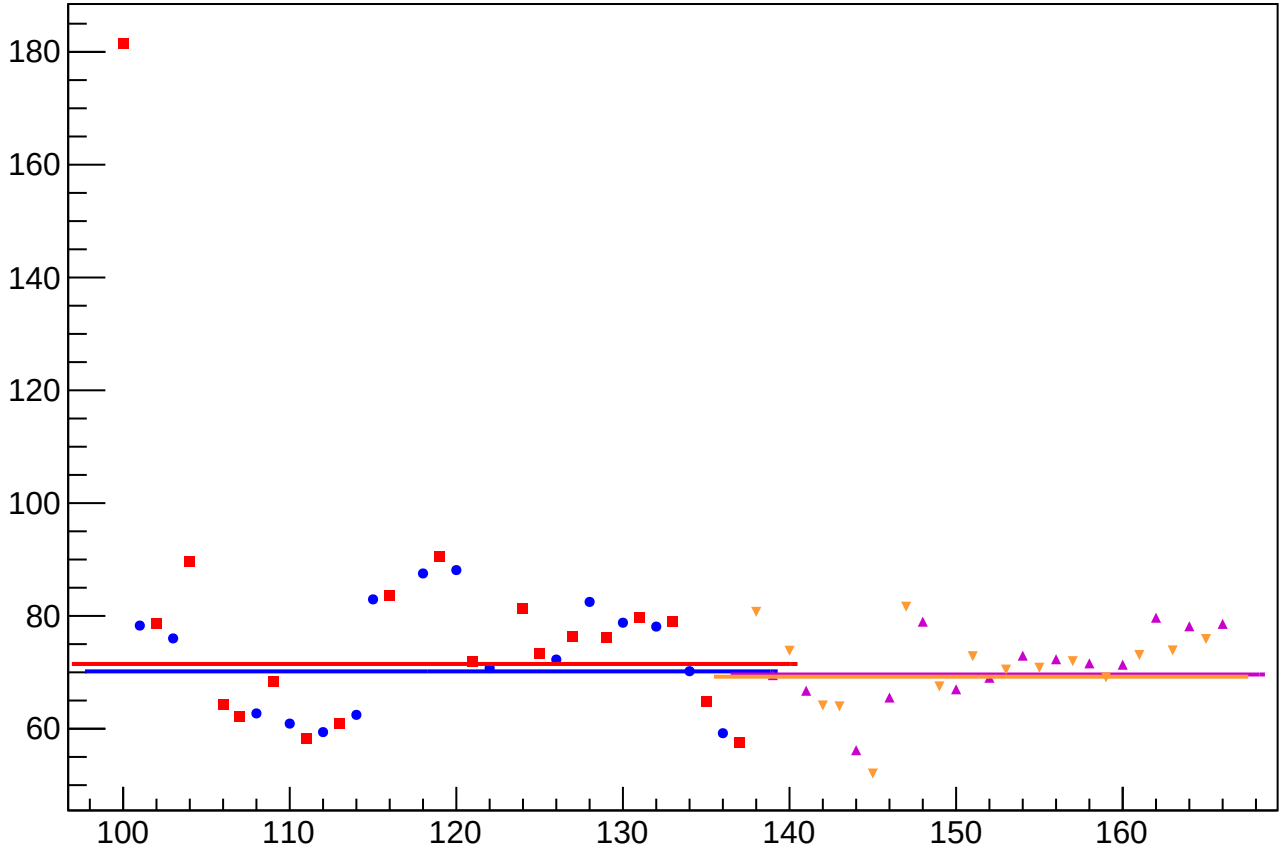
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 10.055+/-16.301 χ^2/NDF:20.6/29

Out: 20.449+/-16.135 χ^2/NDF:43.8/33

All: 15.305+/-11.467 χ^2/NDF: 64.6/63

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.229+/-0.014 χ^2/NDF:297624.7/14

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.614+/-0.015 χ^2/NDF:198721.2/13

Left: 69.418+/-0.010 χ^2/NDF: 496697.4/28

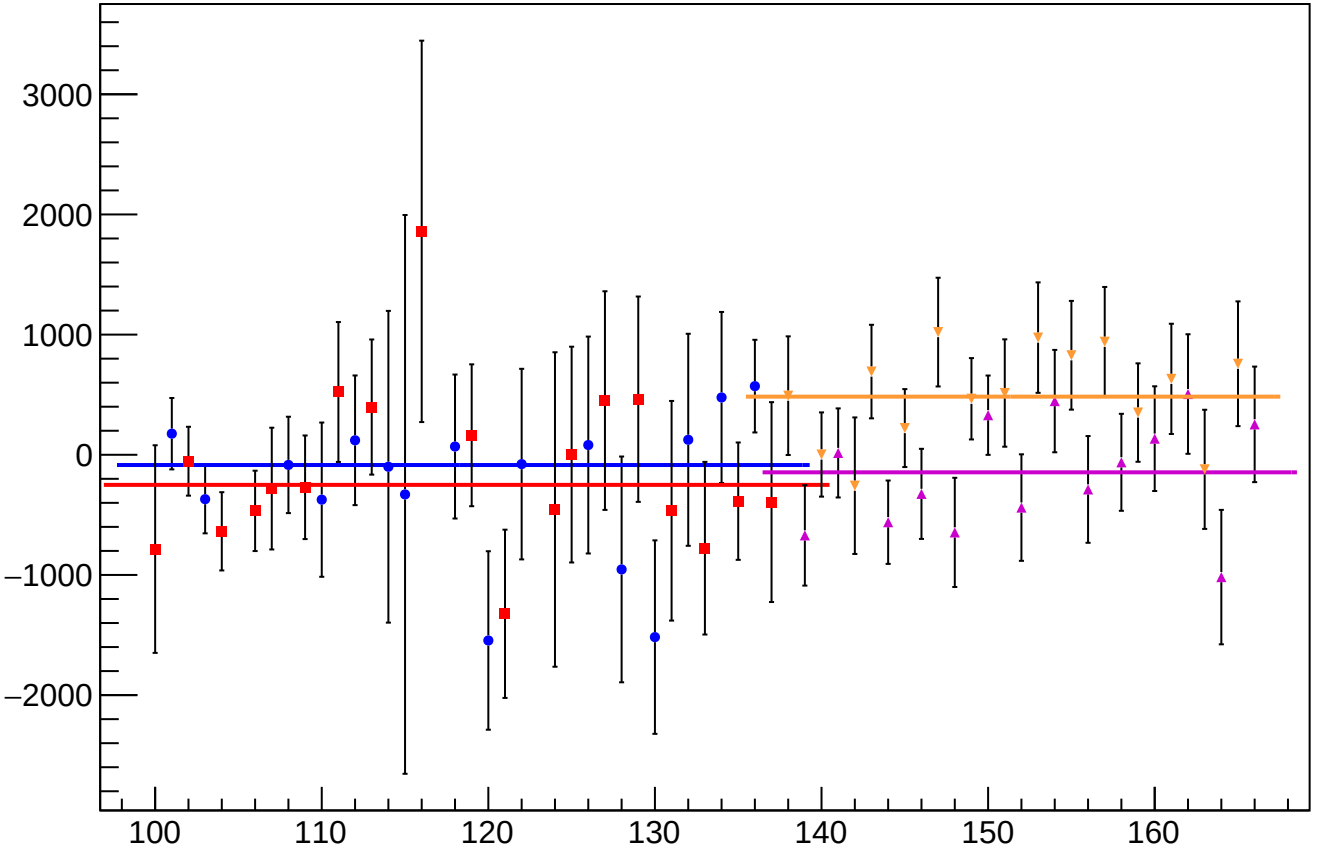
Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.825+/-0.012 χ^2/NDF:468514.2/29

Out: 70.063+/-0.011 χ^2/NDF:632431.8/33

All: 69.945+/-0.008 χ^2/NDF: 1101161.1/63

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.771+/-109.769 χ^2/NDF:10.6/14

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -145.984+/-111.045 χ^2/NDF:14.5/13

Left: 172.532+/-78.066 χ^2/NDF: 41.4/28

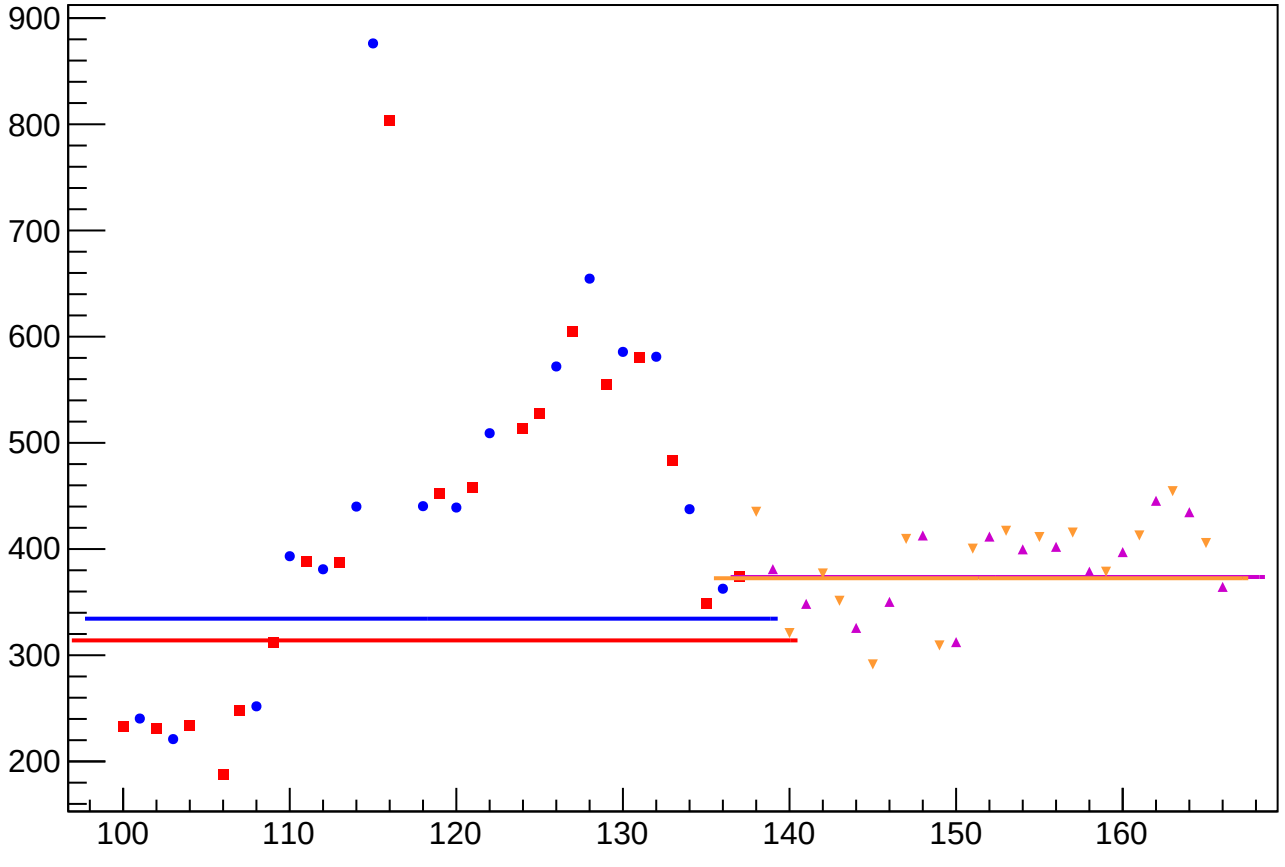
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -120.983+/-85.208 χ^2/NDF:28.3/29

Out: 159.152+/-81.987 χ^2/NDF:42.9/33

All: 24.479+/-59.079 χ^2/NDF: 76.8/63

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 372.509+/-0.078 χ^2/NDF:427972.3/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 373.693+/-0.079 χ^2/NDF:242457.4/13

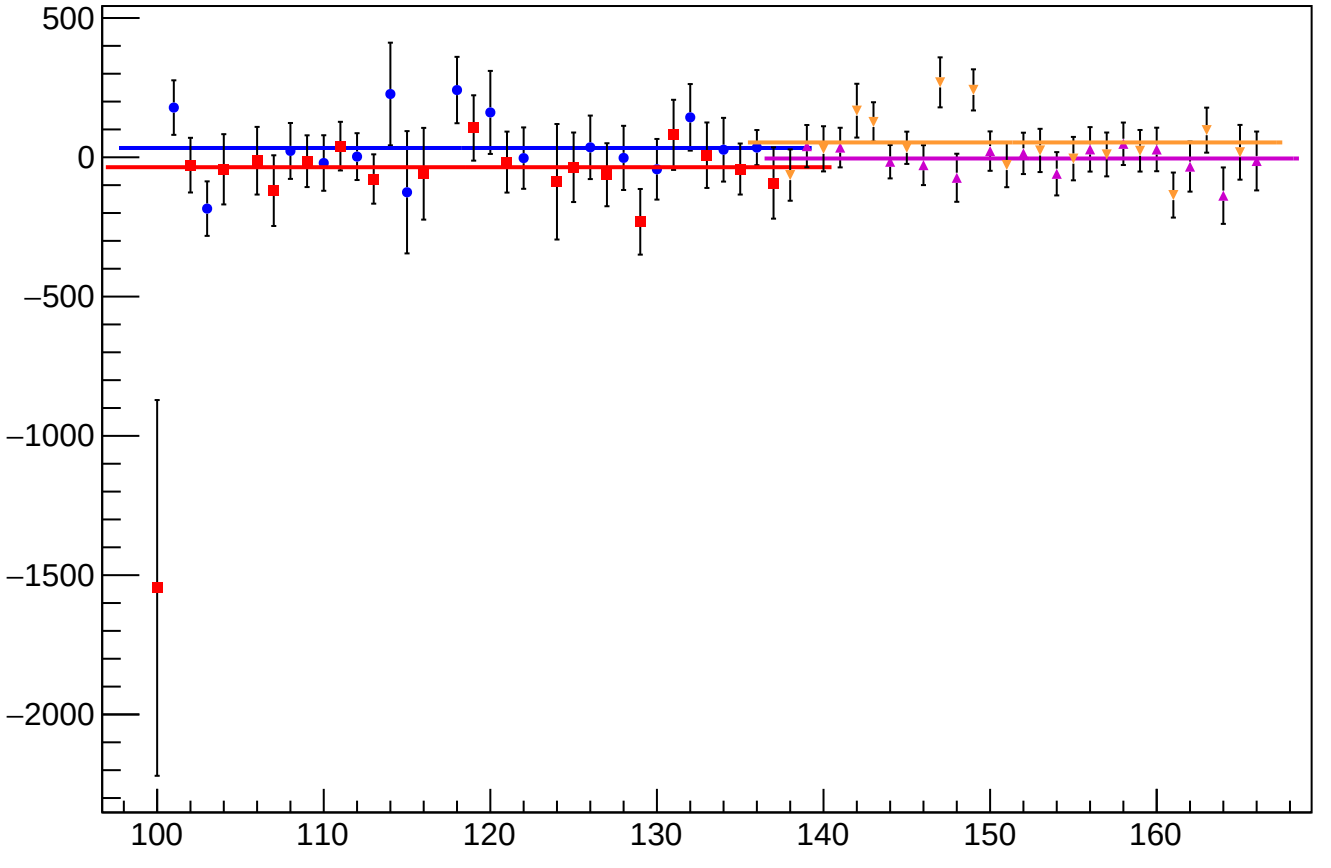
Left: 373.094+/-0.055 χ^2/NDF: 670544.7/28

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.548+/-0.060 χ^2/NDF:2075877.1/29

Out: 346.627+/-0.058 χ^2/NDF:2584053.3/33

All: 351.877+/-0.042 χ^2/NDF: 4676988.8/63



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -4.304+/-20.716 χ^2/NDF:4.8/13

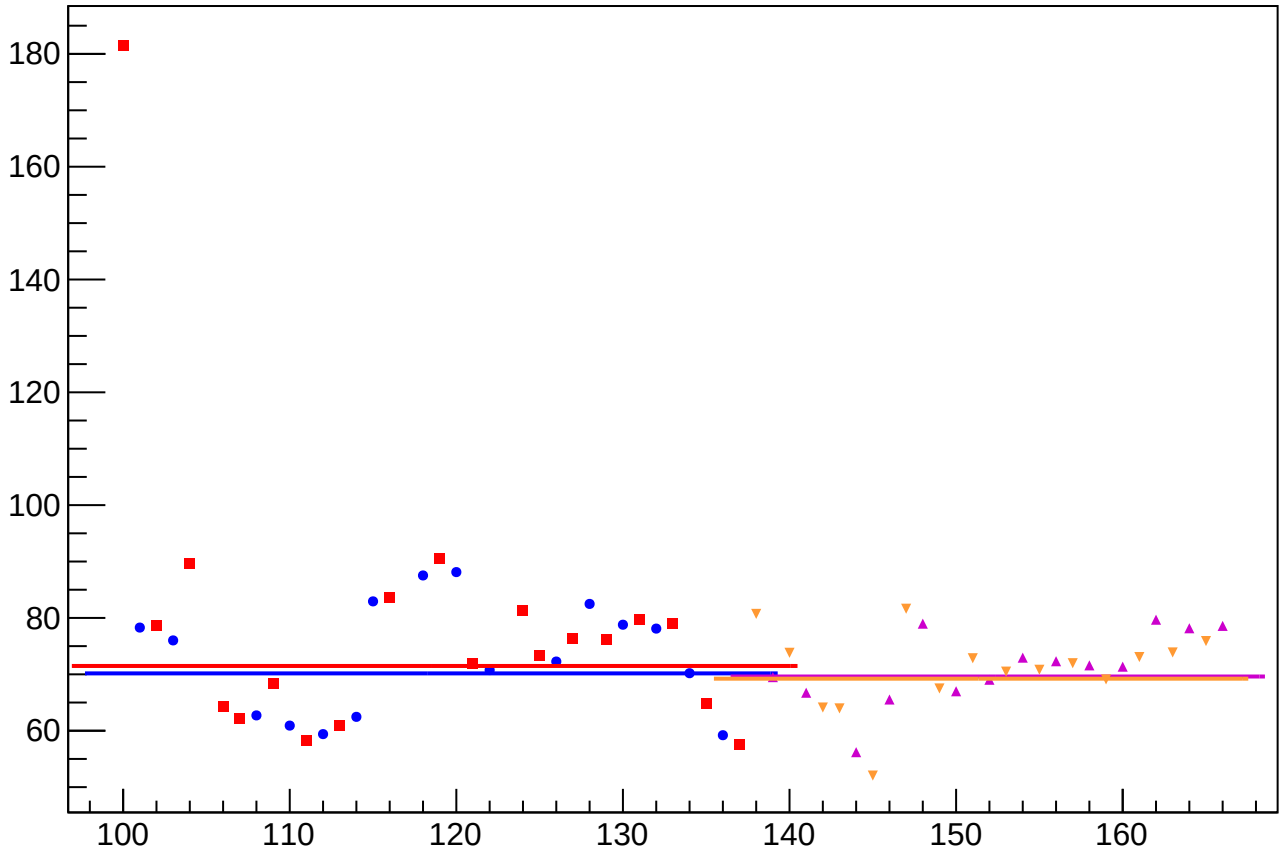
Left: 25.055+/-14.508 χ^2/NDF: 33.4/28

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 10.054+/-16.301 χ^2/NDF:20.6/29

Out: 20.448+/-16.135 χ^2/NDF:43.8/33

All: 15.304+/-11.467 χ^2/NDF: 64.6/63



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.229+/-0.014 χ^2/NDF:297630.9/14

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.614+/-0.015 χ^2/NDF:198723.0/13

Left: 69.418+/-0.010 χ^2/NDF: 496705.3/28

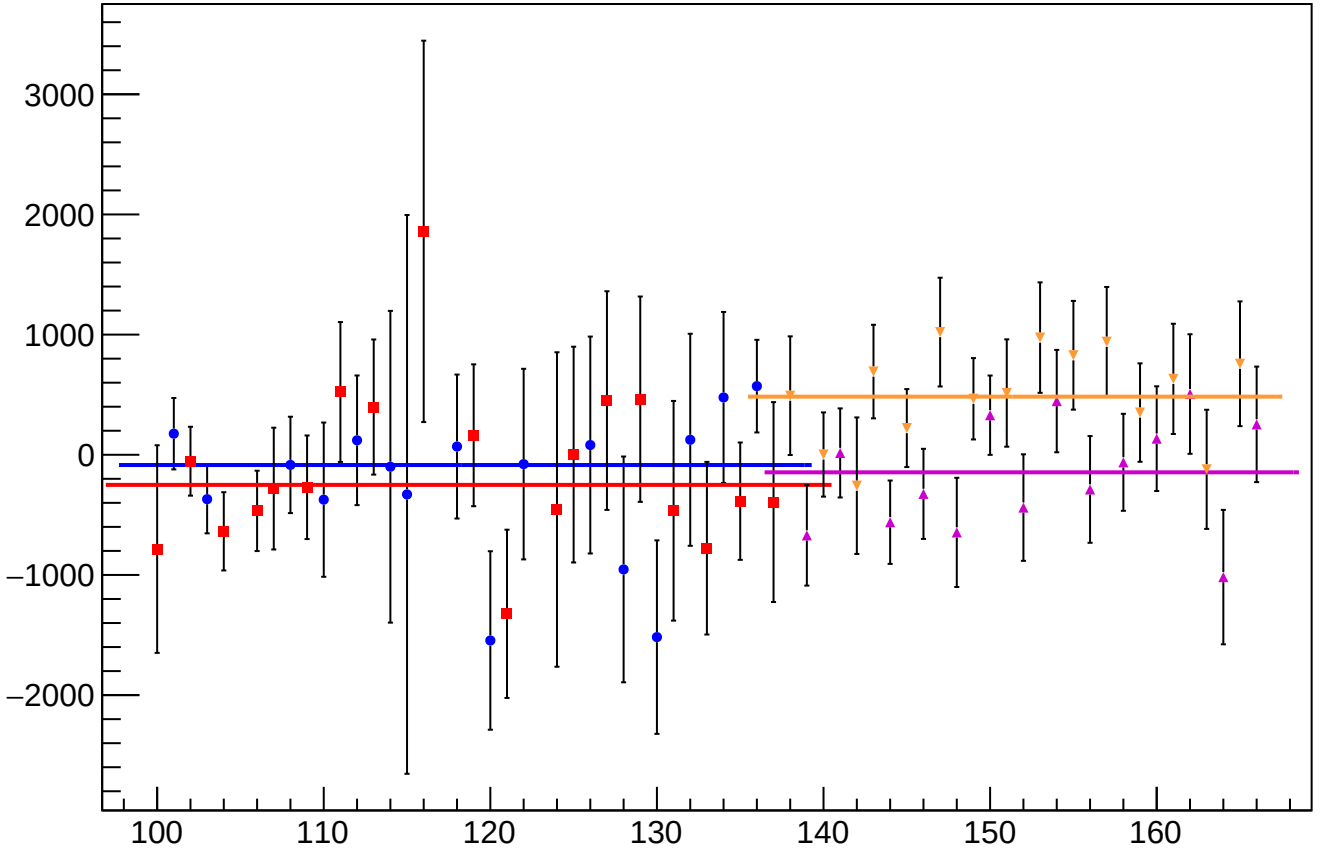
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.825+/-0.012 χ^2/NDF:468519.2/29

Out: 70.063+/-0.011 χ^2/NDF:632445.1/33

All: 69.945+/-0.008 χ^2/NDF: 1101179.4/63

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.770+/-109.769 χ^2/NDF:10.6/14

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -145.984+/-111.045 χ^2/NDF:14.5/13

Left: 172.532+/-78.066 χ^2/NDF: 41.4/28

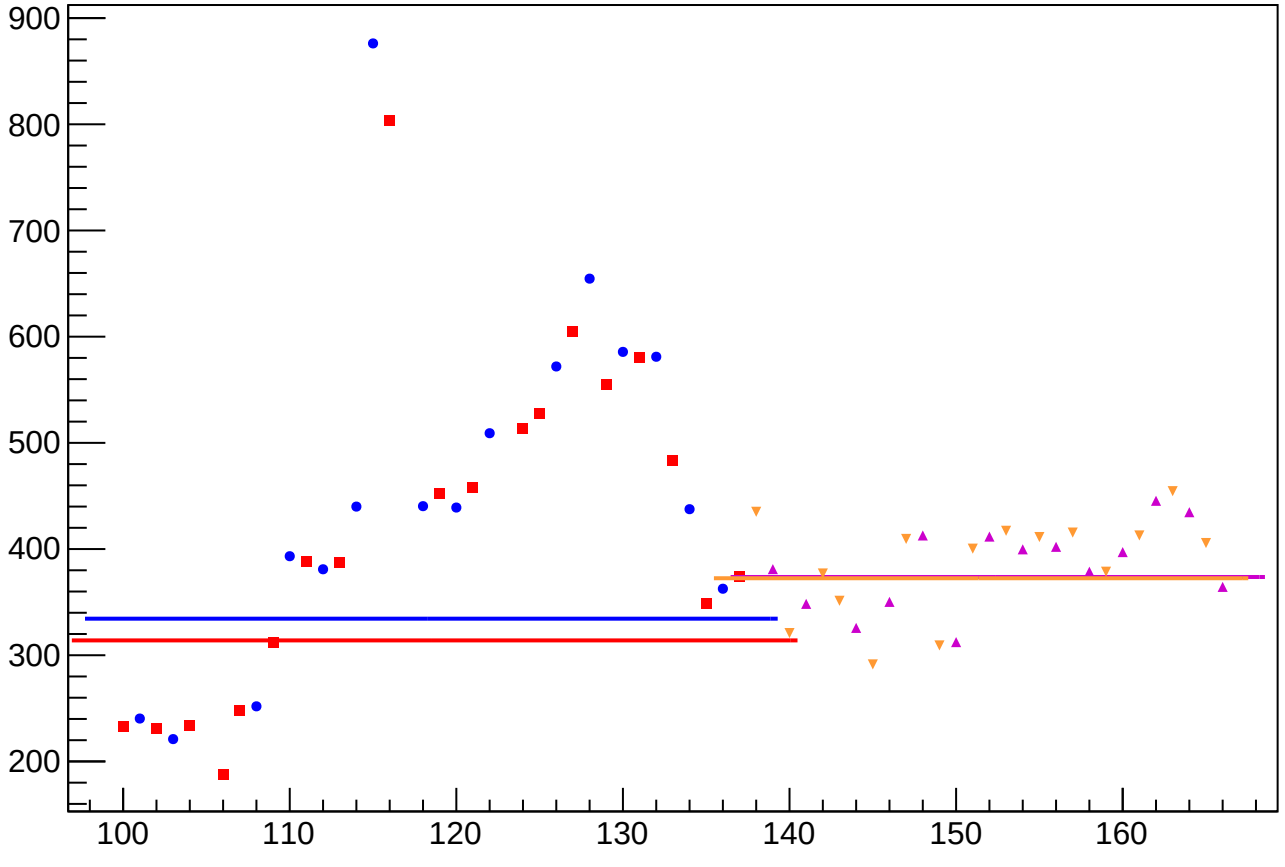
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -120.983+/-85.208 χ^2/NDF:28.3/29

Out: 159.152+/-81.987 χ^2/NDF:42.9/33

All: 24.479+/-59.079 χ^2/NDF: 76.8/63

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 372.509+/-0.078 χ^2/NDF:427976.4/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 373.693+/-0.079 χ^2/NDF:242457.3/13

Left: 373.094+/-0.055 χ^2/NDF: 670548.7/28

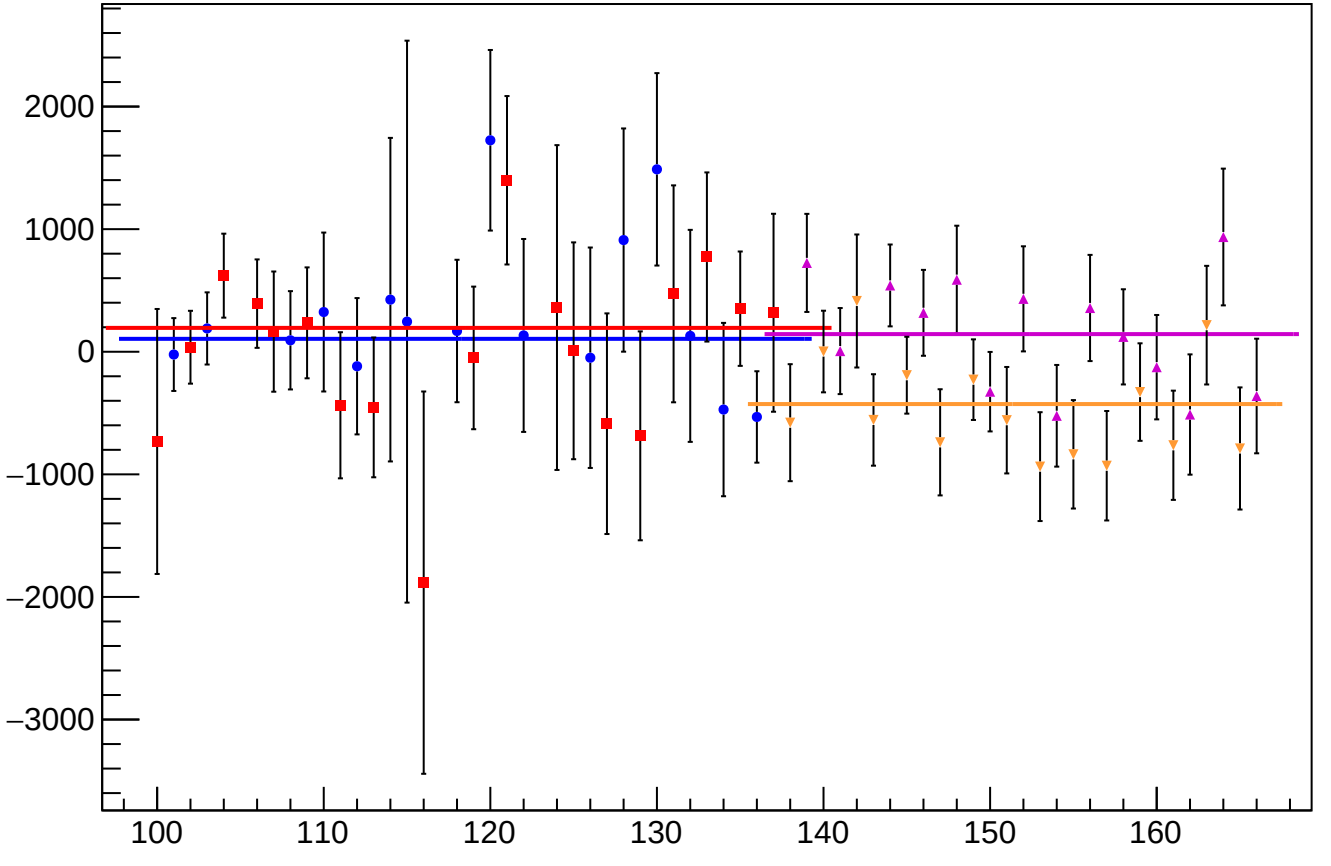
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.548+/-0.060 χ^2/NDF:2075874.9/29

Out: 346.627+/-0.058 χ^2/NDF:2584054.7/33

All: 351.877+/-0.042 χ^2/NDF: 4676988.6/63

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -426.664+/-106.040 χ^2/NDF:12.2/14

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 143.991+/-107.313 χ^2/NDF:15.7/13

Left: -144.742+/-75.428 χ^2/NDF: 42.2/28

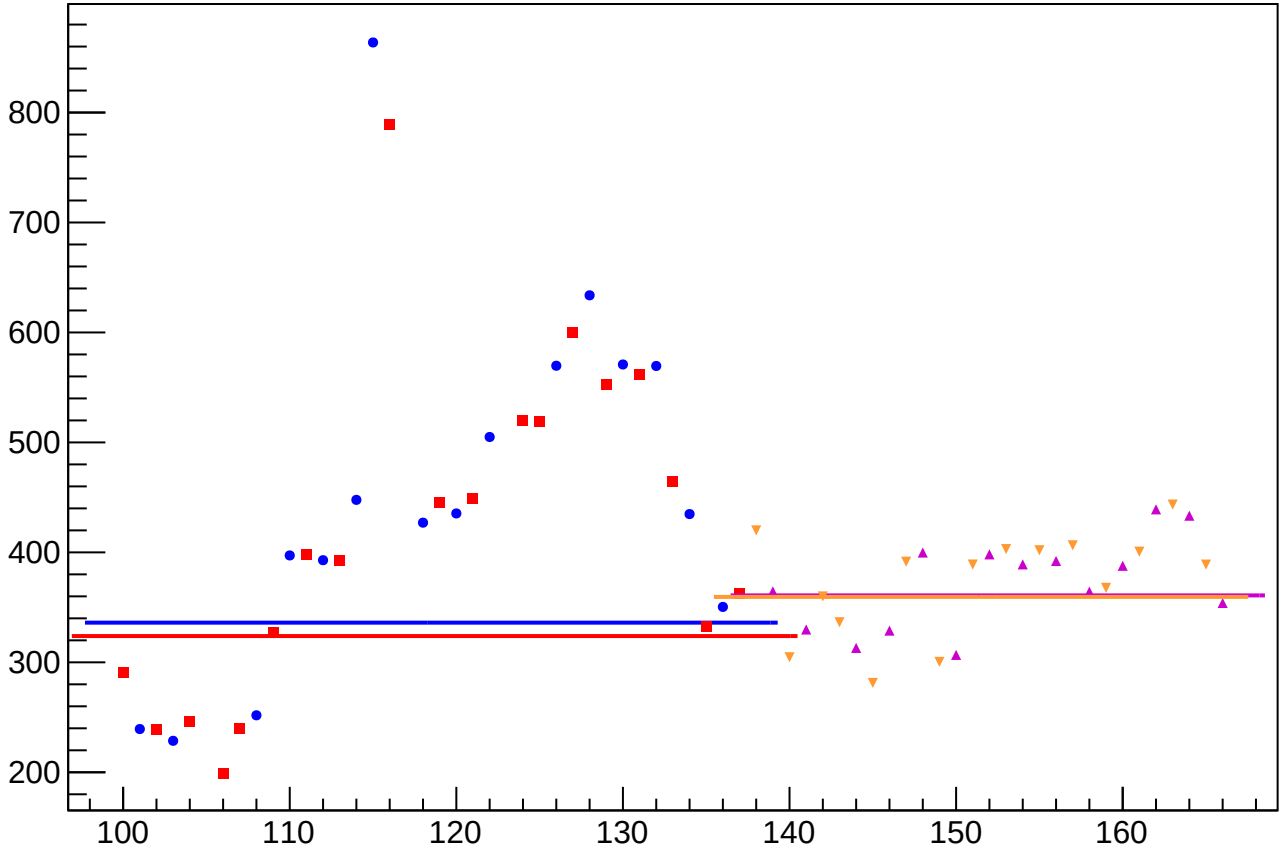
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 128.776+/-83.528 χ^2/NDF:28.7/29

Out: -169.509+/-81.185 χ^2/NDF:39.5/33

All: -24.610+/-58.217 χ^2/NDF: 74.8/63

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.490+/-0.075 χ^2/NDF:448311.1/14

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 360.872+/-0.076 χ^2/NDF:272876.8/13

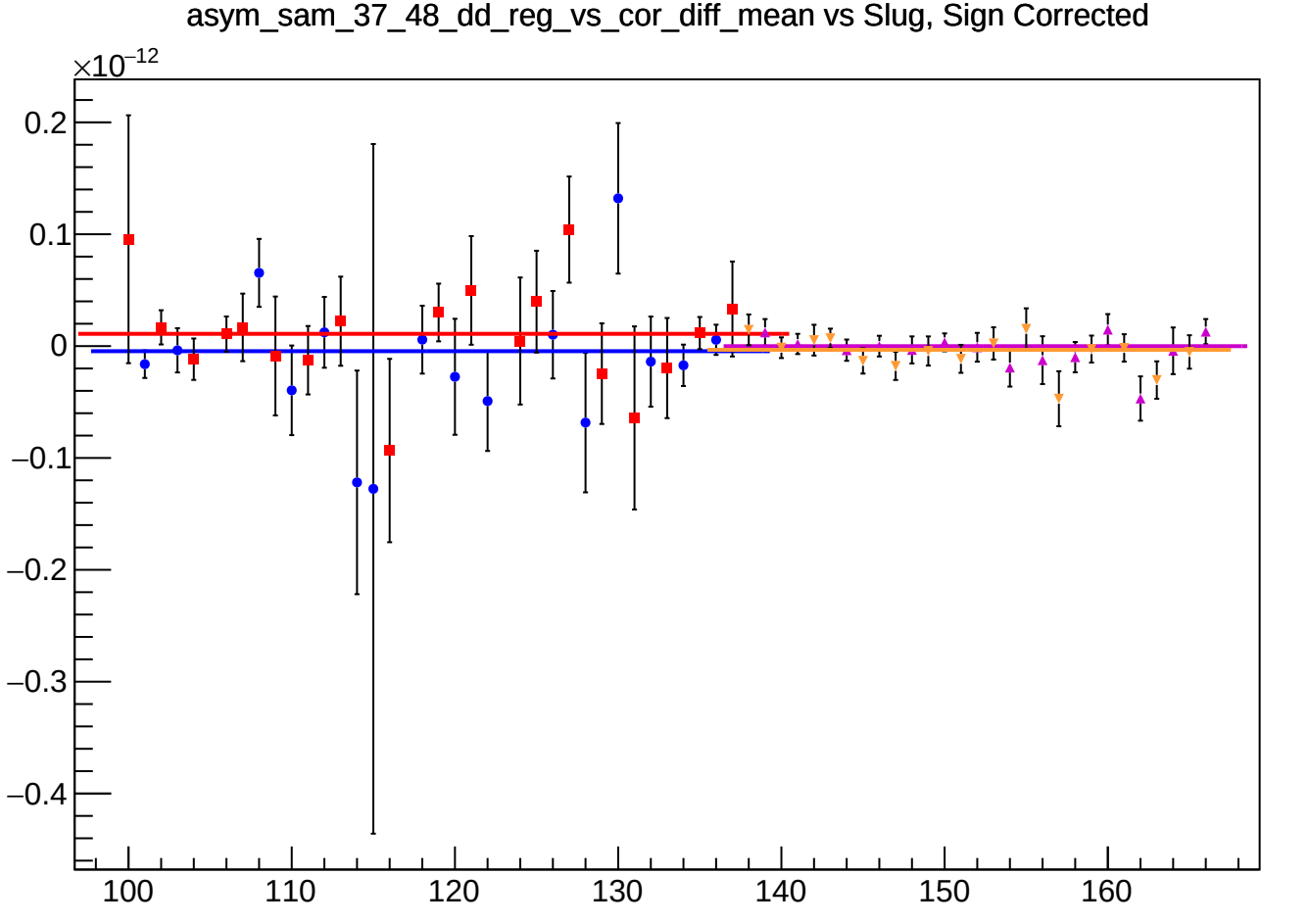
Left: 360.173+/-0.053 χ^2/NDF: 721355.7/28

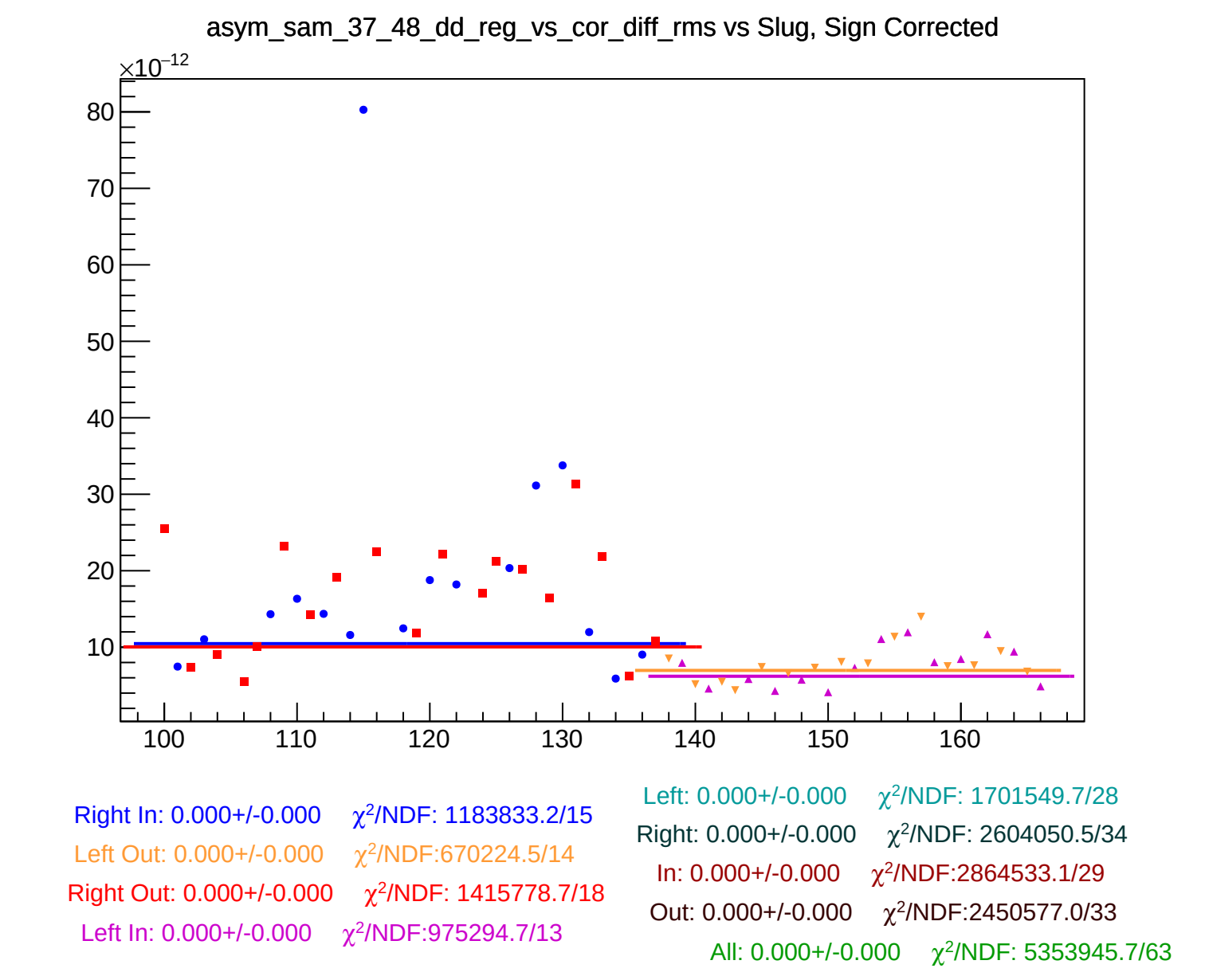
Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.105+/-0.059 χ^2/NDF:1933907.0/29

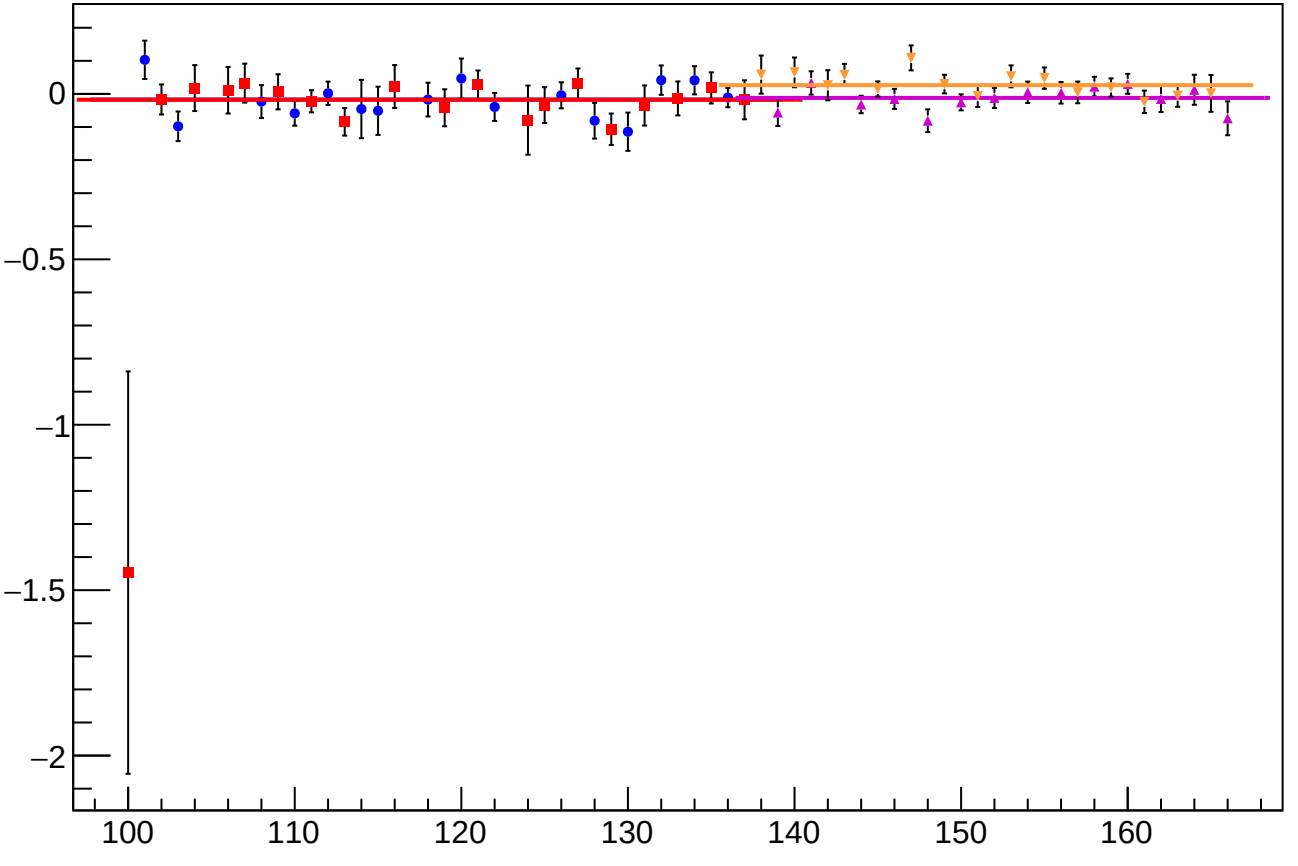
Out: 344.755+/-0.057 χ^2/NDF:2207044.6/33

All: 347.840+/-0.041 χ^2/NDF: 4146895.2/63


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.5/15
Left Out: -0.000+/-0.000 χ²/NDF:13.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 12.4/18
Left In: -0.000+/-0.000 χ²/NDF:11.7/13
Left: -0.000+/-0.000 χ²/NDF: 25.3/28
Right: 0.000+/-0.000 χ²/NDF: 31.8/34
In: -0.000+/-0.000 χ²/NDF:28.6/29
Out: -0.000+/-0.000 χ²/NDF:29.4/33
All: -0.000+/-0.000 χ²/NDF: 58.0/63


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1183833.2/15
Left Out: 0.000+/-0.000 χ²/NDF:670224.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 1415778.7/18
Left In: 0.000+/-0.000 χ²/NDF:975294.7/13
Left: 0.000+/-0.000 χ²/NDF: 1701549.7/28
Right: 0.000+/-0.000 χ²/NDF: 2604050.5/34
In: 0.000+/-0.000 χ²/NDF:2864533.1/29
Out: 0.000+/-0.000 χ²/NDF:2450577.0/33
All: 0.000+/-0.000 χ²/NDF: 5353945.7/63

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.007+/-0.006 χ^2/NDF: 36.0/28

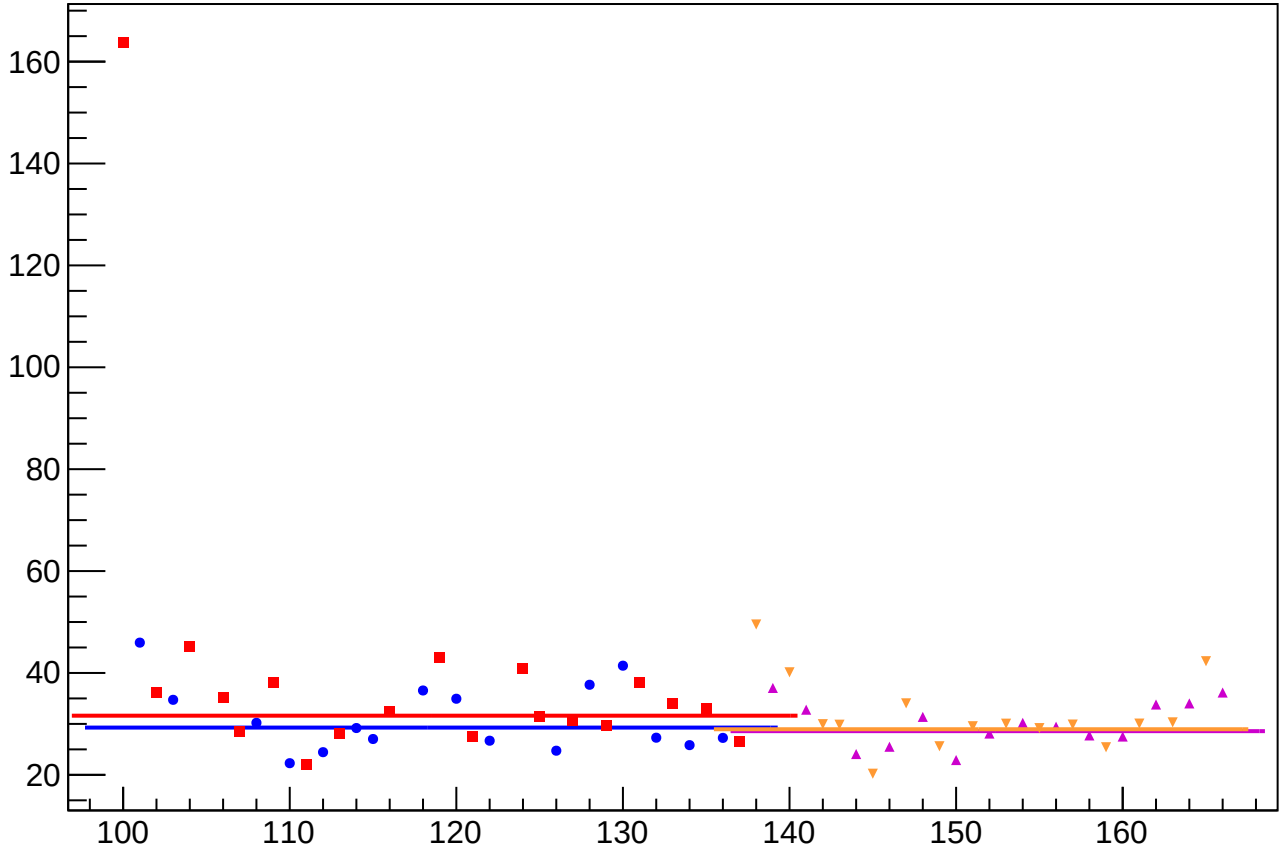
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 77.3/63

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.951+/-0.006 χ^2/NDF:895985.2/14

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.578+/-0.006 χ^2/NDF:434412.2/13

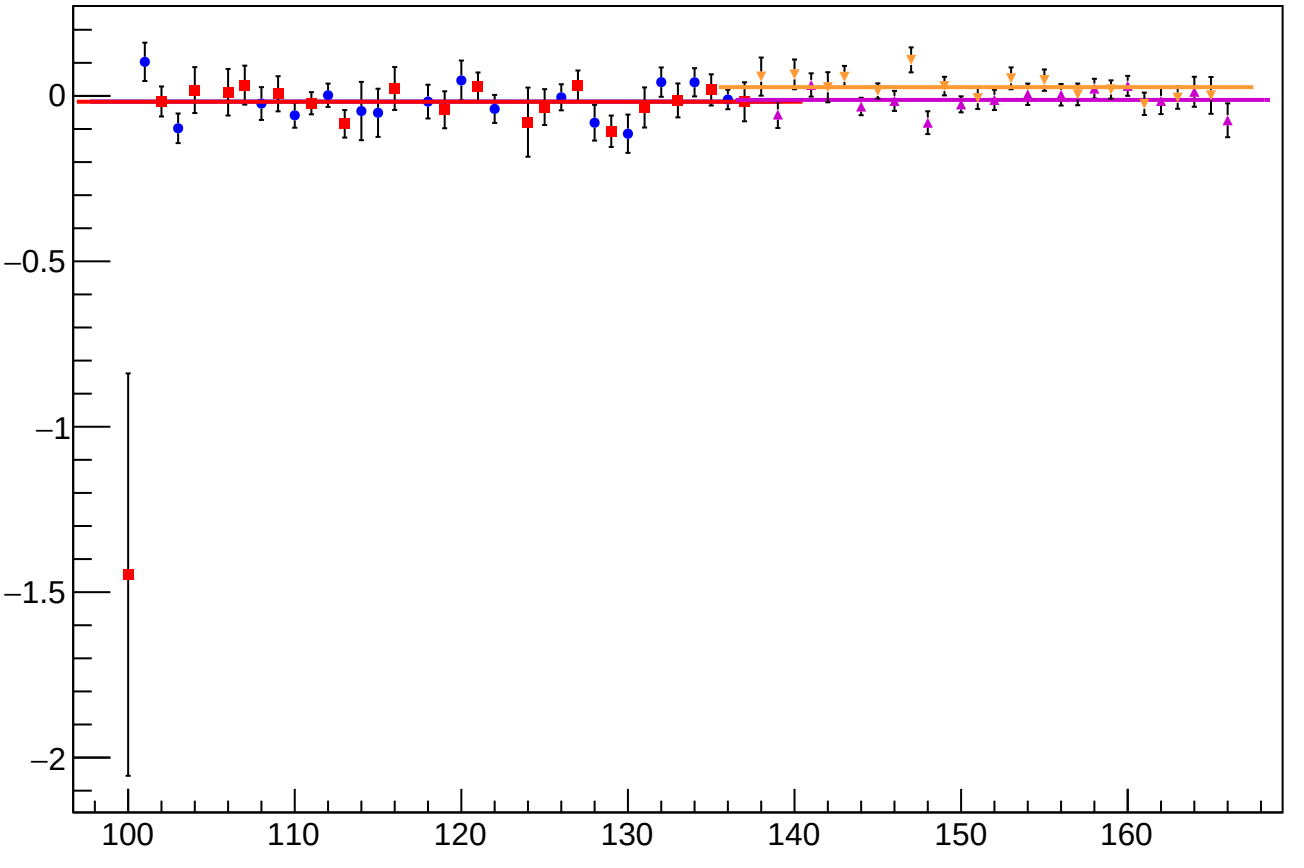
Left: 28.765+/-0.004 χ^2/NDF: 1332243.4/28

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.837+/-0.005 χ^2/NDF:999870.4/29

Out: 29.859+/-0.005 χ^2/NDF:1531978.8/33

All: 29.336+/-0.003 χ^2/NDF: 2553229.2/63



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.007+/-0.006 χ^2/NDF: 36.0/28

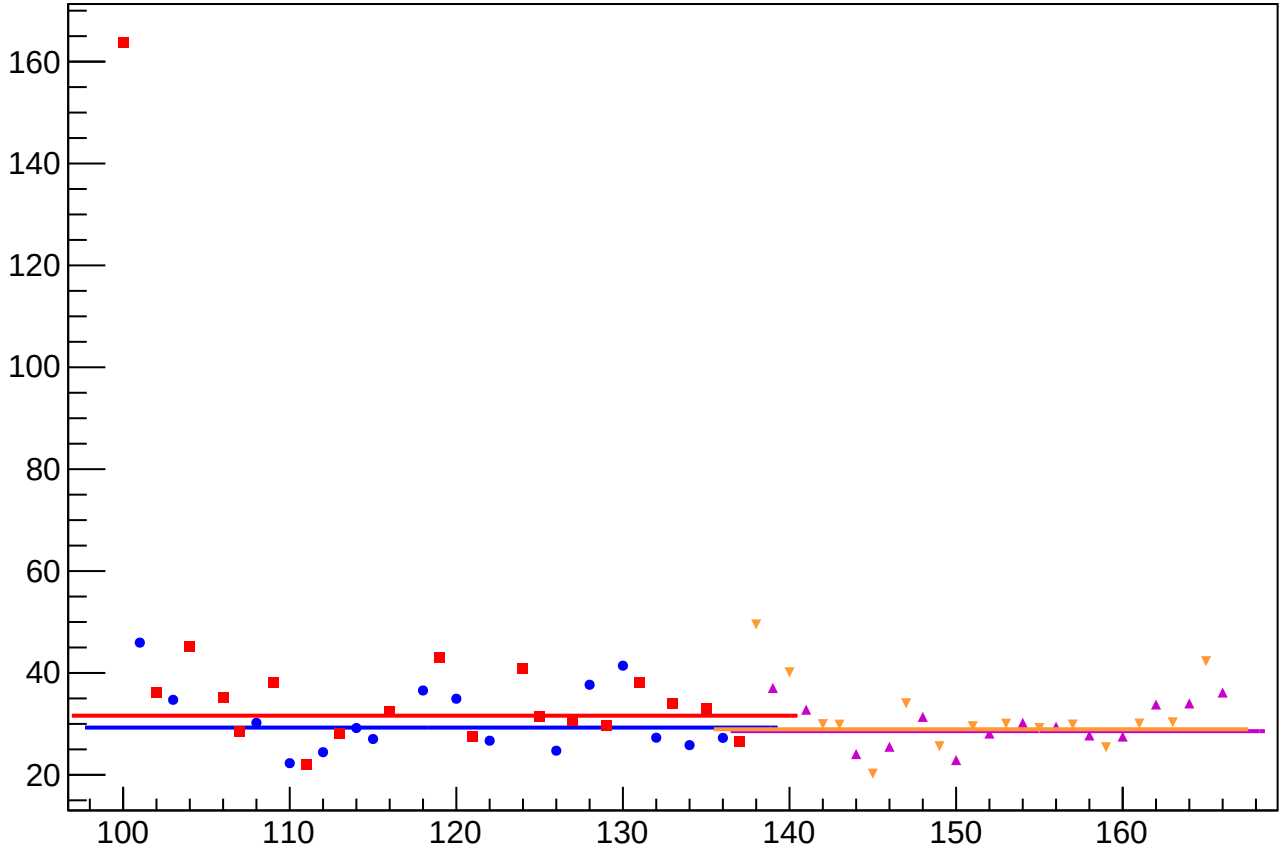
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 77.3/63

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.951+/-0.006 χ^2/NDF:895985.2/14

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.578+/-0.006 χ^2/NDF:434412.2/13

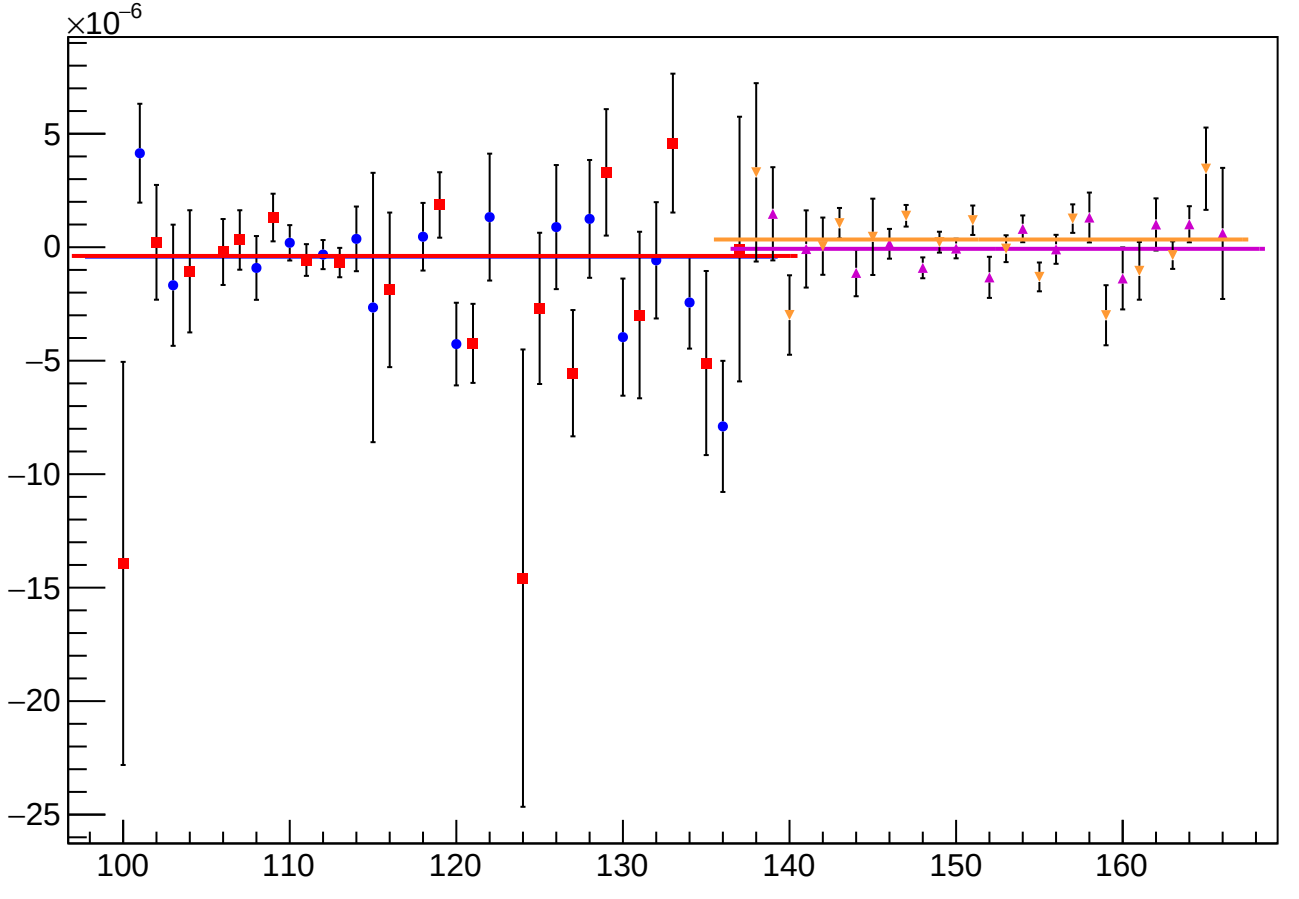
Left: 28.765+/-0.004 χ^2/NDF: 1332243.4/28

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.837+/-0.005 χ^2/NDF:999870.4/29

Out: 29.859+/-0.005 χ^2/NDF:1531978.8/33

All: 29.336+/-0.003 χ^2/NDF: 2553229.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/13

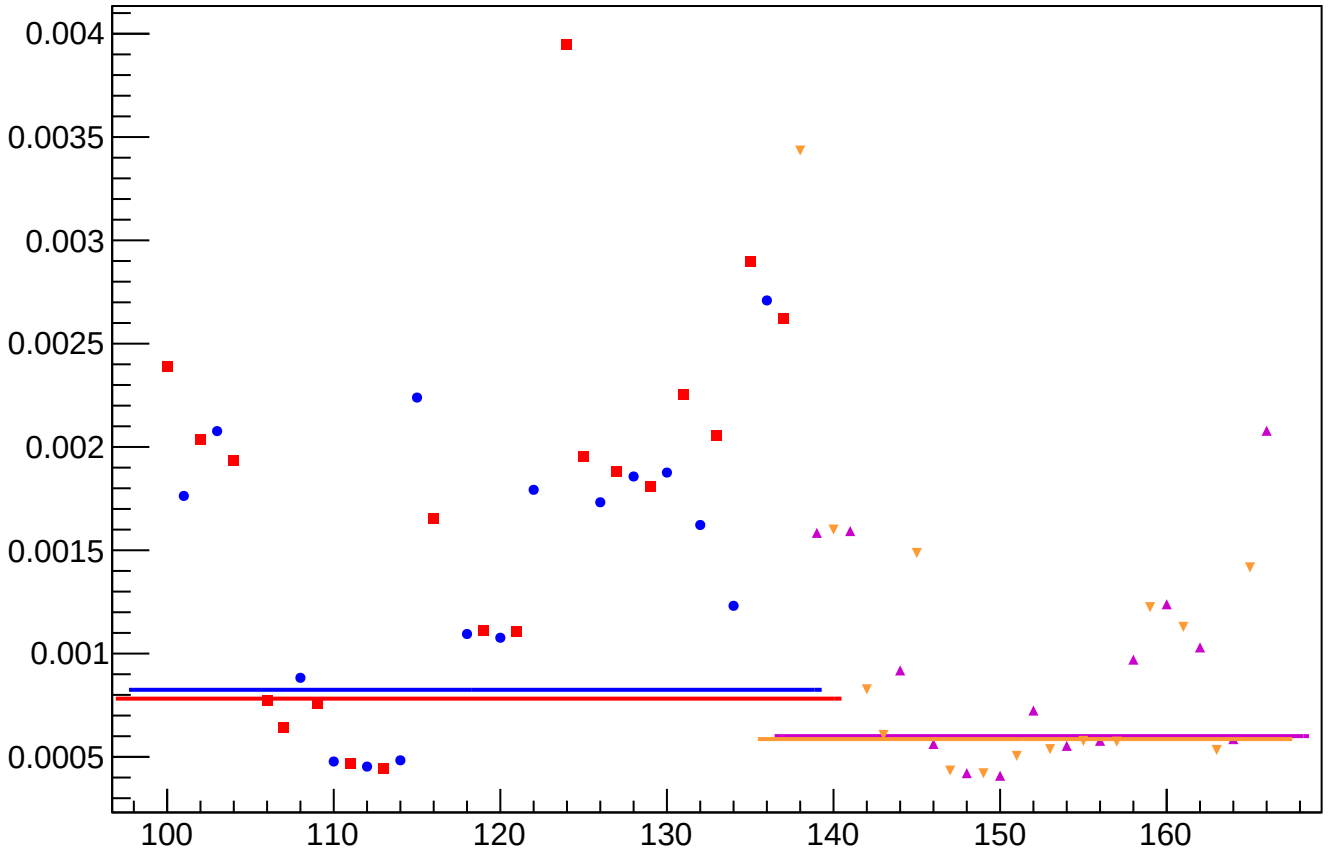
Left: 0.000+/-0.000 χ^2/NDF: 49.8/28

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:36.4/29

Out: 0.000+/-0.000 χ^2/NDF:61.7/33

All: 0.000+/-0.000 χ^2/NDF: 99.8/63



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4147023.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3554612.8/13

Left: 0.001+/-0.000 χ^2/NDF: 7706963.5/28

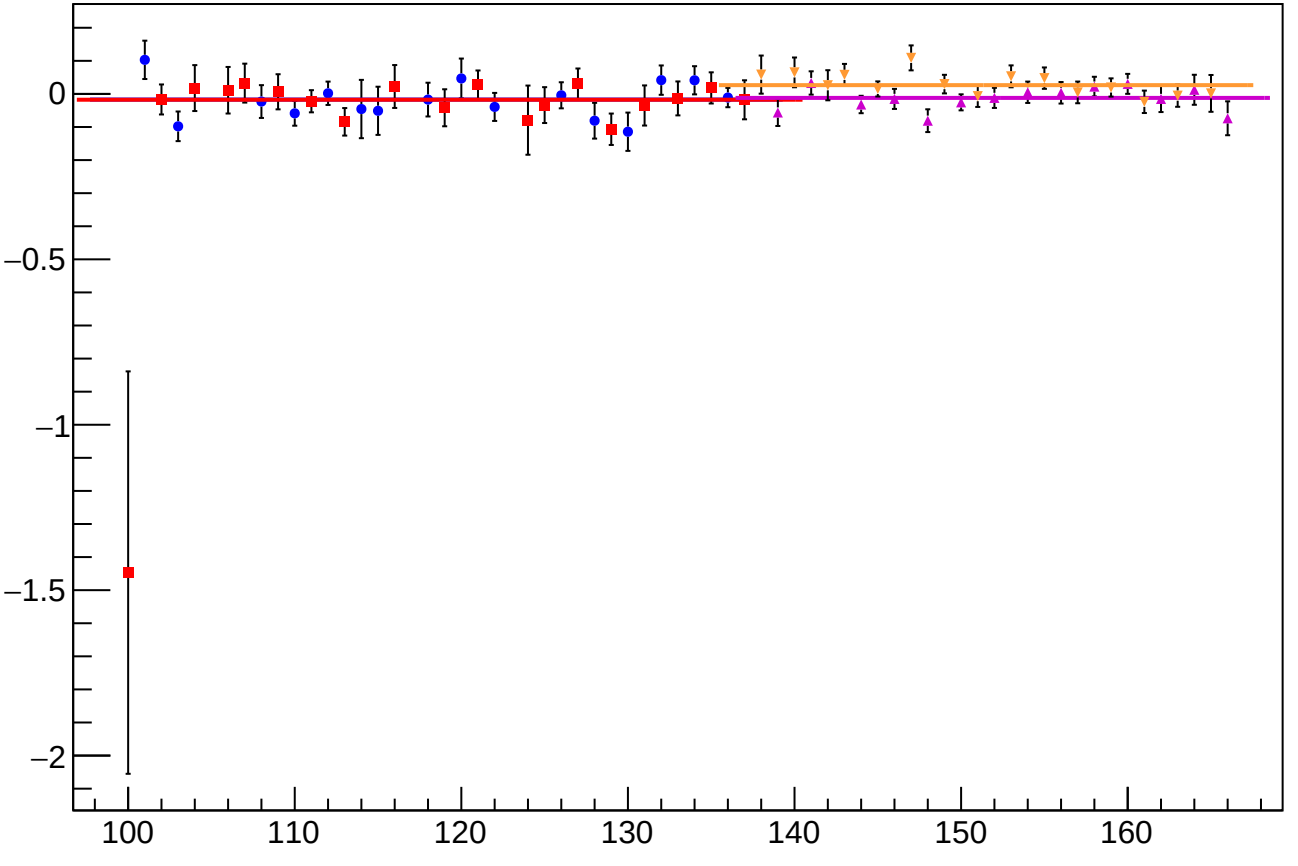
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:8566384.1/29

Out: 0.001+/-0.000 χ^2/NDF:9269758.9/33

All: 0.001+/-0.000 χ^2/NDF: 17850238.7/63

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.007+/-0.006 χ^2/NDF: 36.0/28

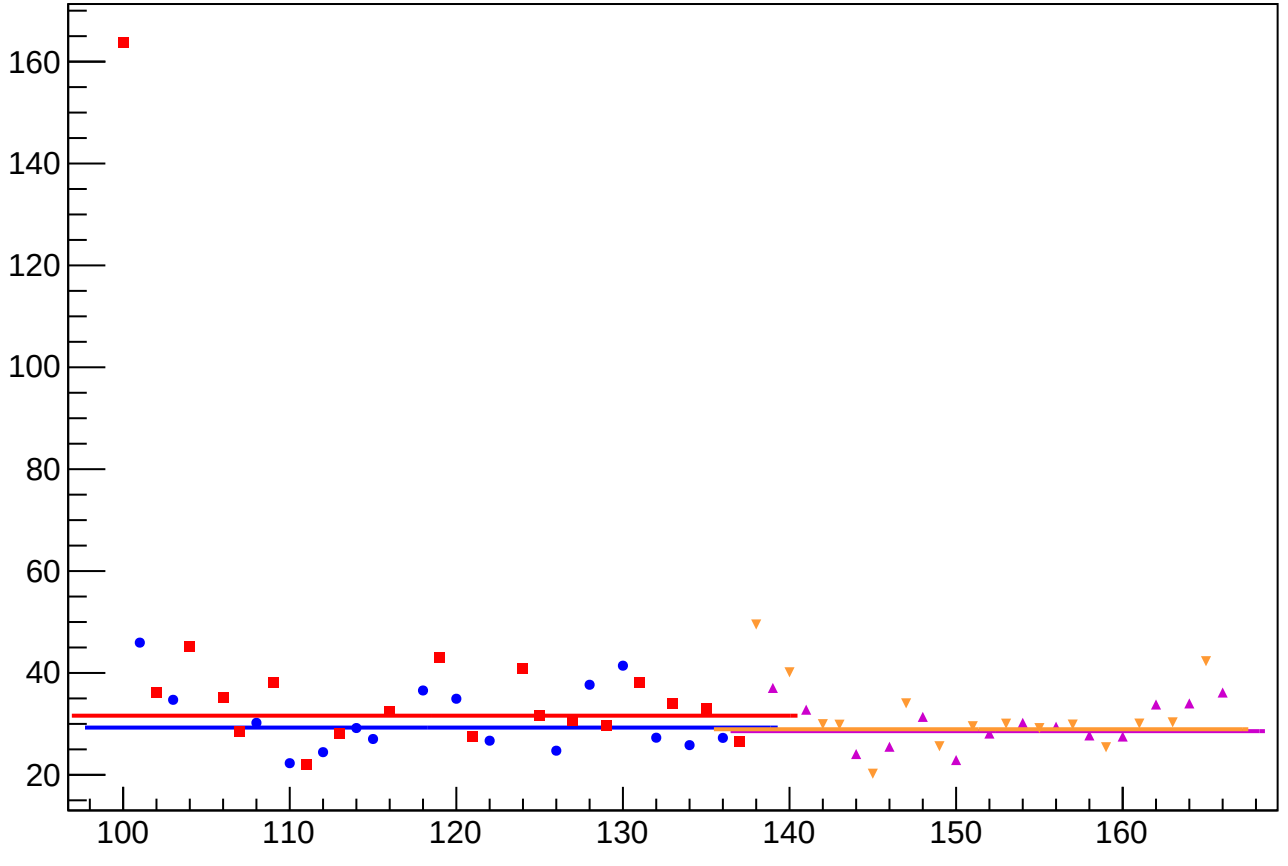
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 77.3/63

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.951+/-0.006 χ^2/NDF:896043.0/14

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.578+/-0.006 χ^2/NDF:434376.5/13

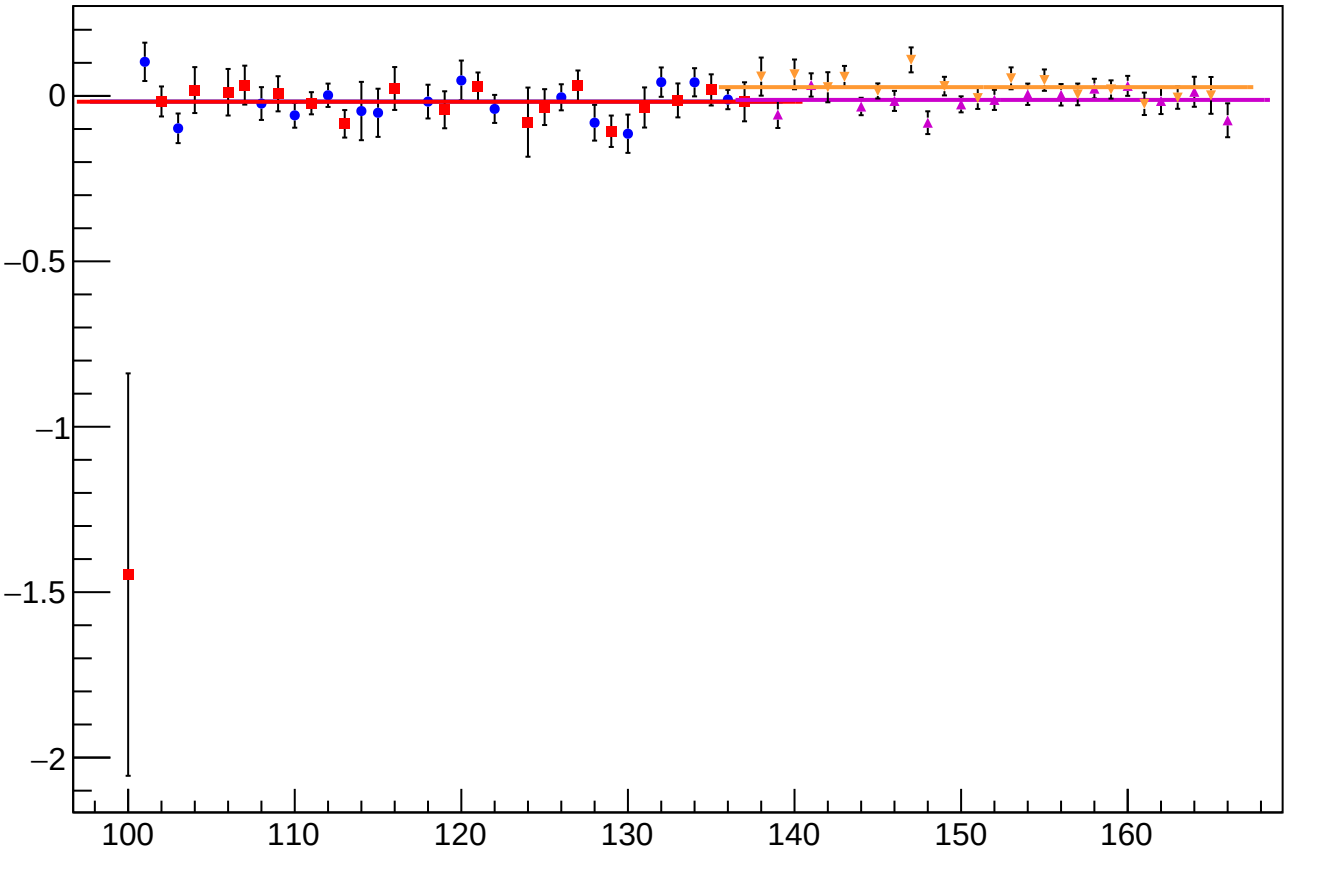
Left: 28.765+/-0.004 χ^2/NDF: 1332264.0/28

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.837+/-0.005 χ^2/NDF:999836.0/29

Out: 29.859+/-0.005 χ^2/NDF:1532053.3/33

All: 29.336+/-0.003 χ^2/NDF: 2553266.4/63



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.009 χ^2/NDF:13.2/13

Left: 0.007+/-0.006 χ^2/NDF: 36.0/28

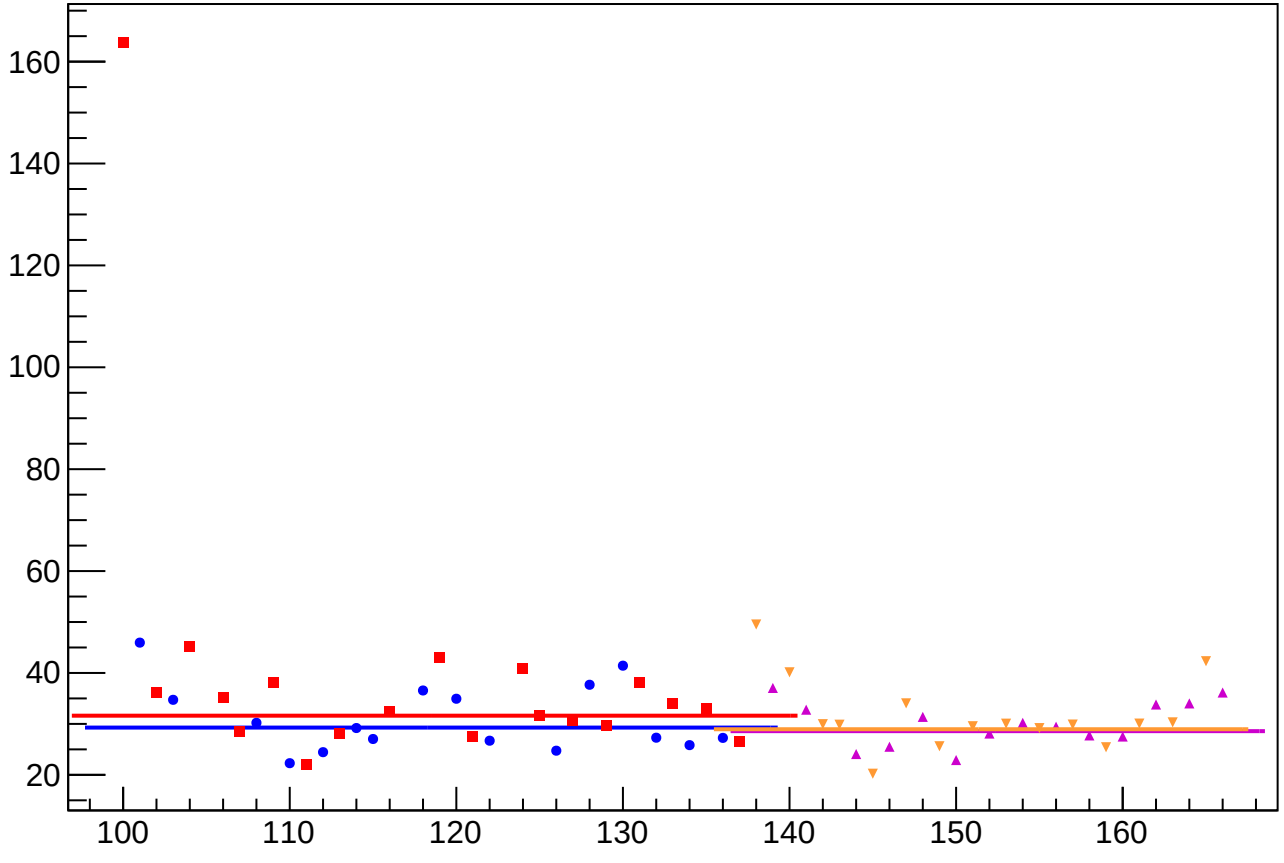
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/29

Out: 0.012+/-0.007 χ^2/NDF:38.5/33

All: -0.001+/-0.005 χ^2/NDF: 77.3/63

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.951+/-0.006 χ^2/NDF:896043.0/14

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.578+/-0.006 χ^2/NDF:434376.5/13

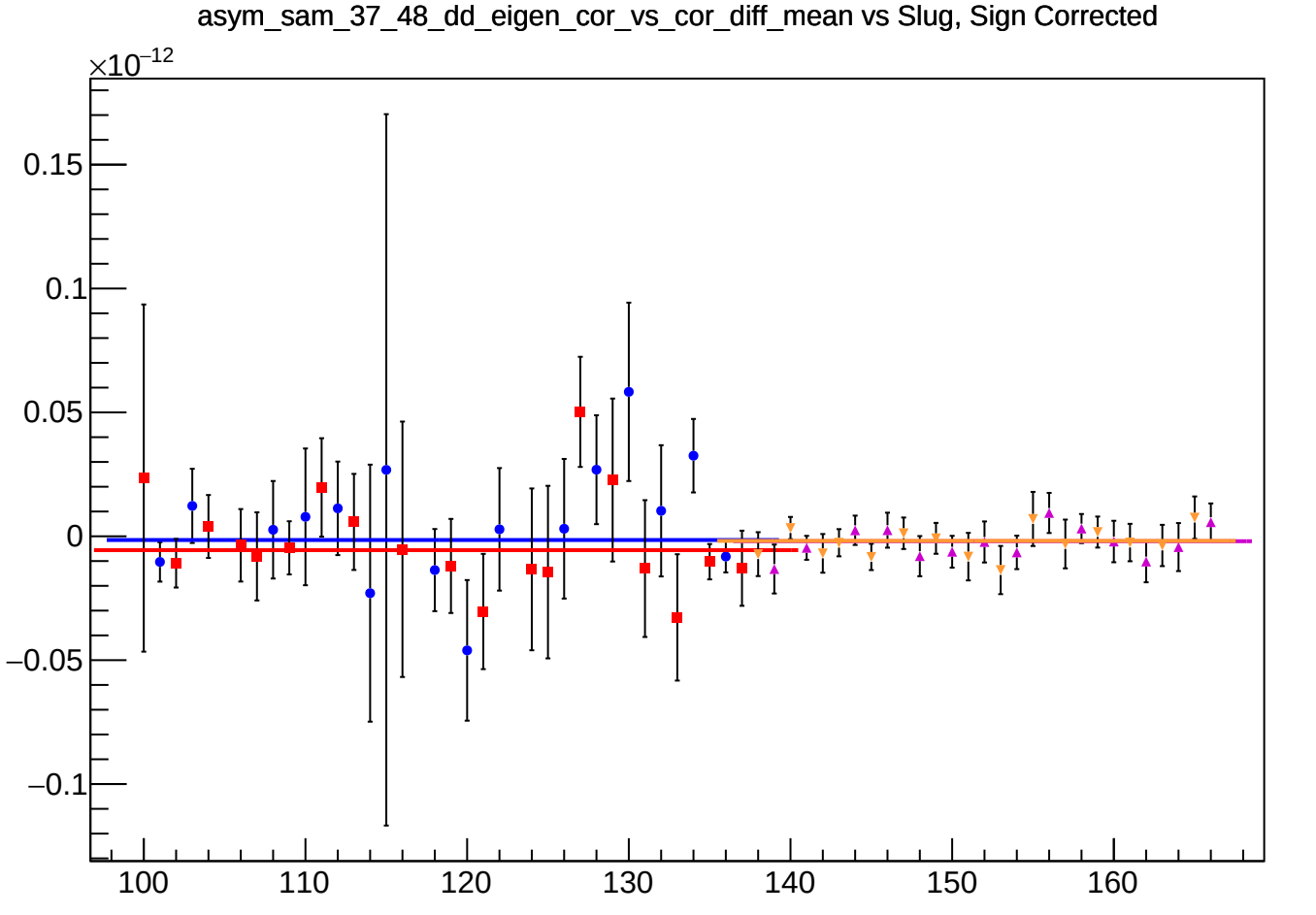
Left: 28.765+/-0.004 χ^2/NDF: 1332264.0/28

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

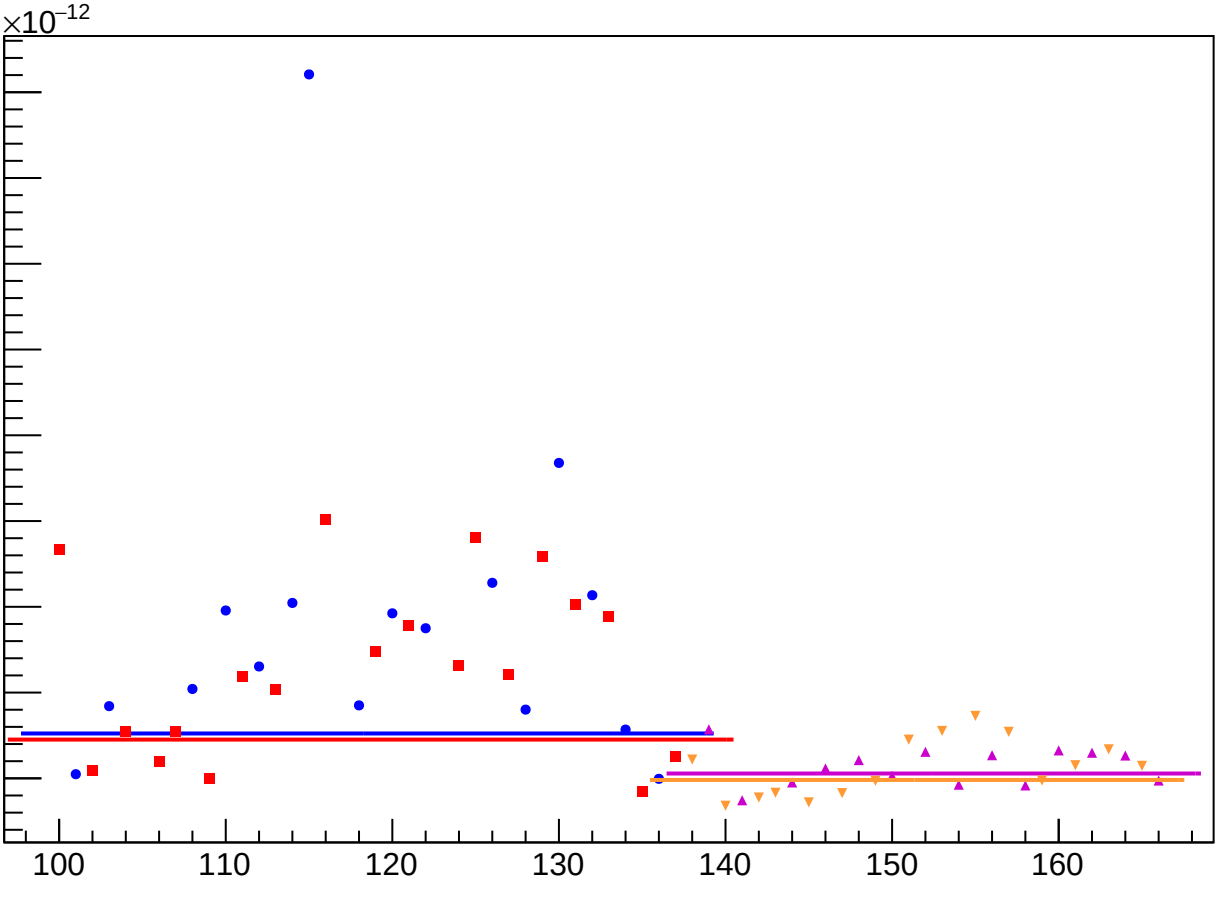
In: 28.837+/-0.005 χ^2/NDF:999836.0/29

Out: 29.859+/-0.005 χ^2/NDF:1532053.3/33

All: 29.336+/-0.003 χ^2/NDF: 2553266.4/63


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:8.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.8/13
Left: -0.000+/-0.000 χ²/NDF: 16.8/28
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:25.7/29
Out: -0.000+/-0.000 χ²/NDF:22.2/33
All: -0.000+/-0.000 χ²/NDF: 48.0/63

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1307523.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:634276.8/13

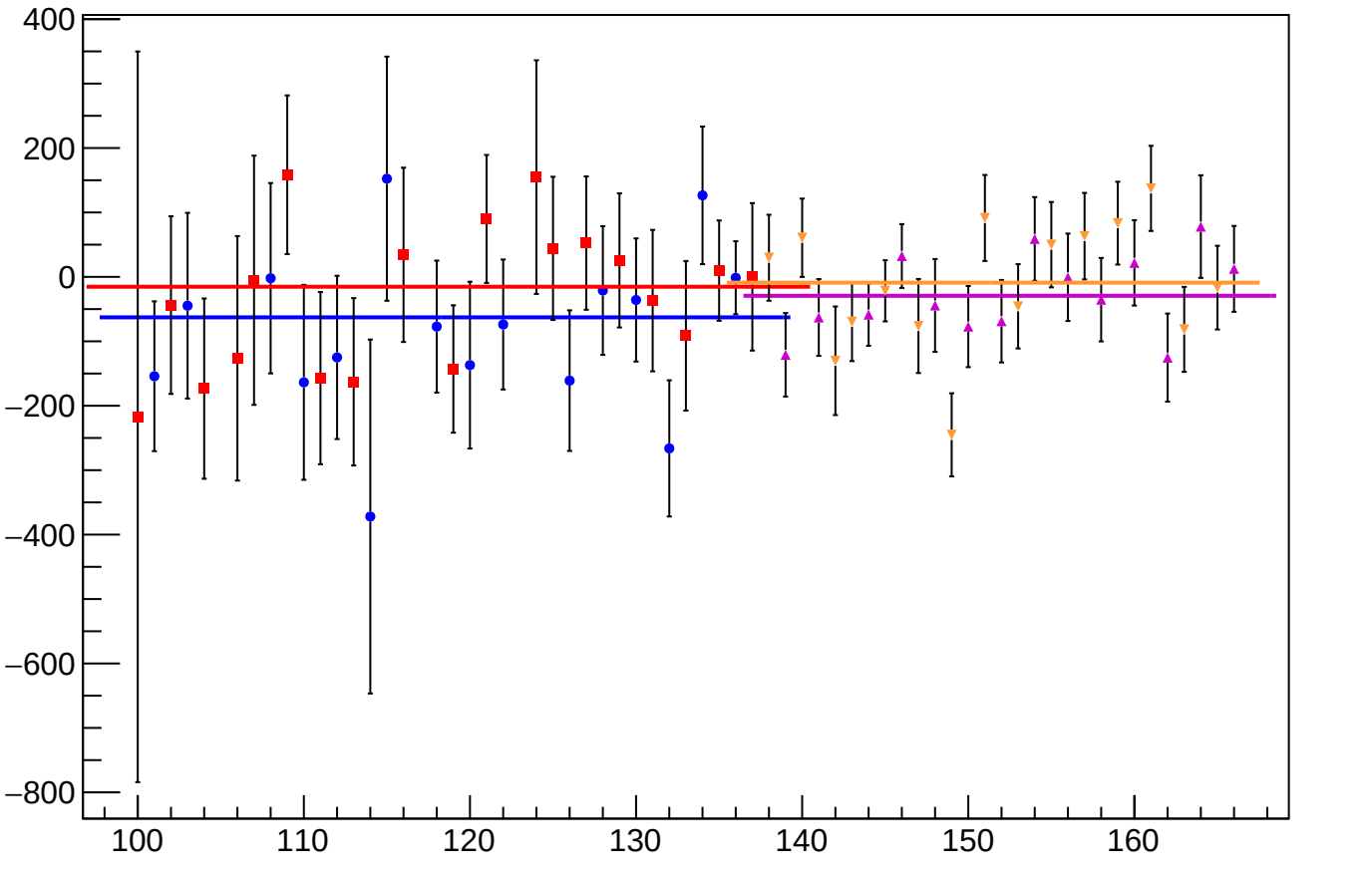
Left: 0.000+/-0.000 χ^2/NDF: 1983370.9/28

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

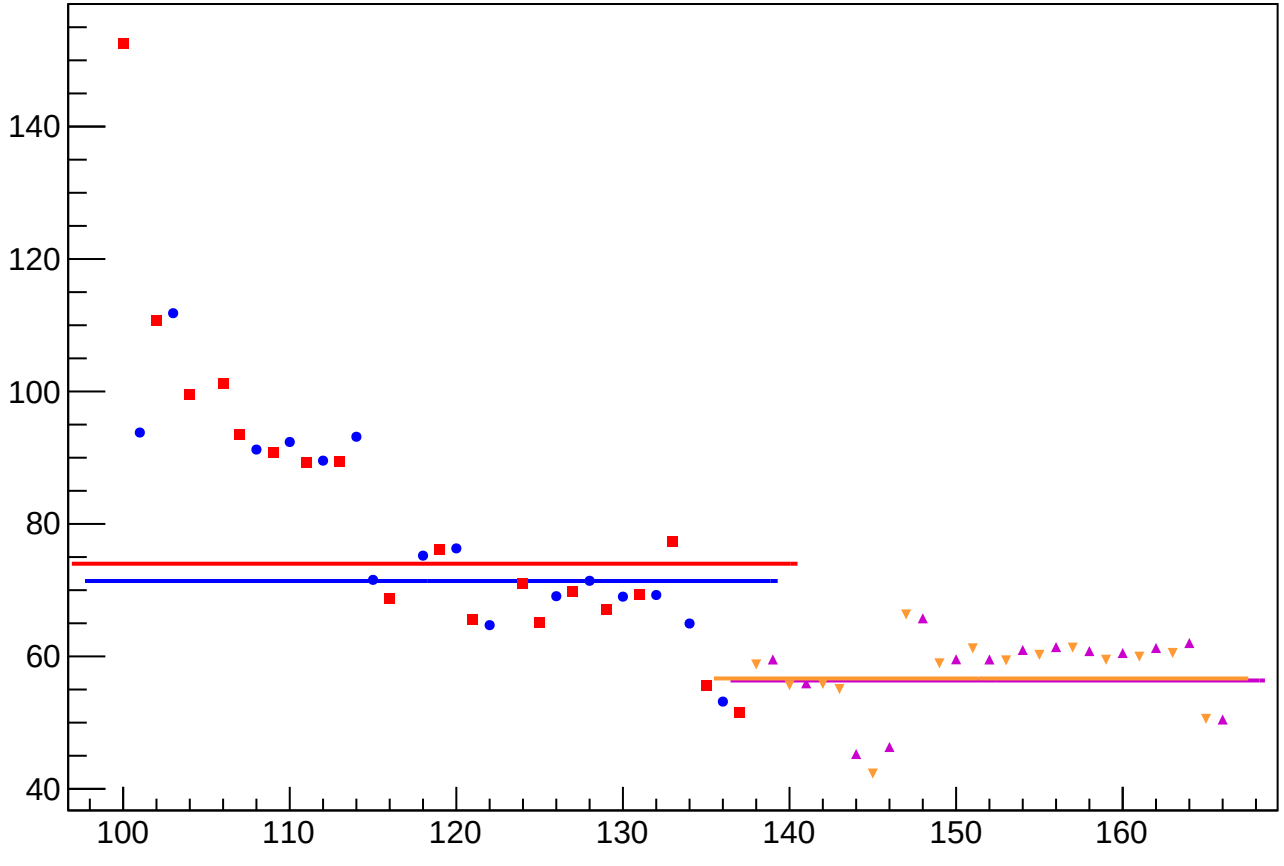
In: 0.000+/-0.000 χ^2/NDF:3253896.8/29

Out: 0.000+/-0.000 χ^2/NDF:3975222.9/33

All: 0.000+/-0.000 χ^2/NDF: 7280947.6/63


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: -8.958+/-16.617 χ²/NDF:31.7/14
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -29.356+/-16.755 χ²/NDF:12.0/13
Left: -19.073+/-11.798 χ²/NDF: 44.5/28
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -38.548+/-14.267 χ²/NDF:26.6/29
Out: -10.627+/-14.259 χ²/NDF:43.2/33
All: -24.579+/-10.086 χ²/NDF: 71.8/63

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

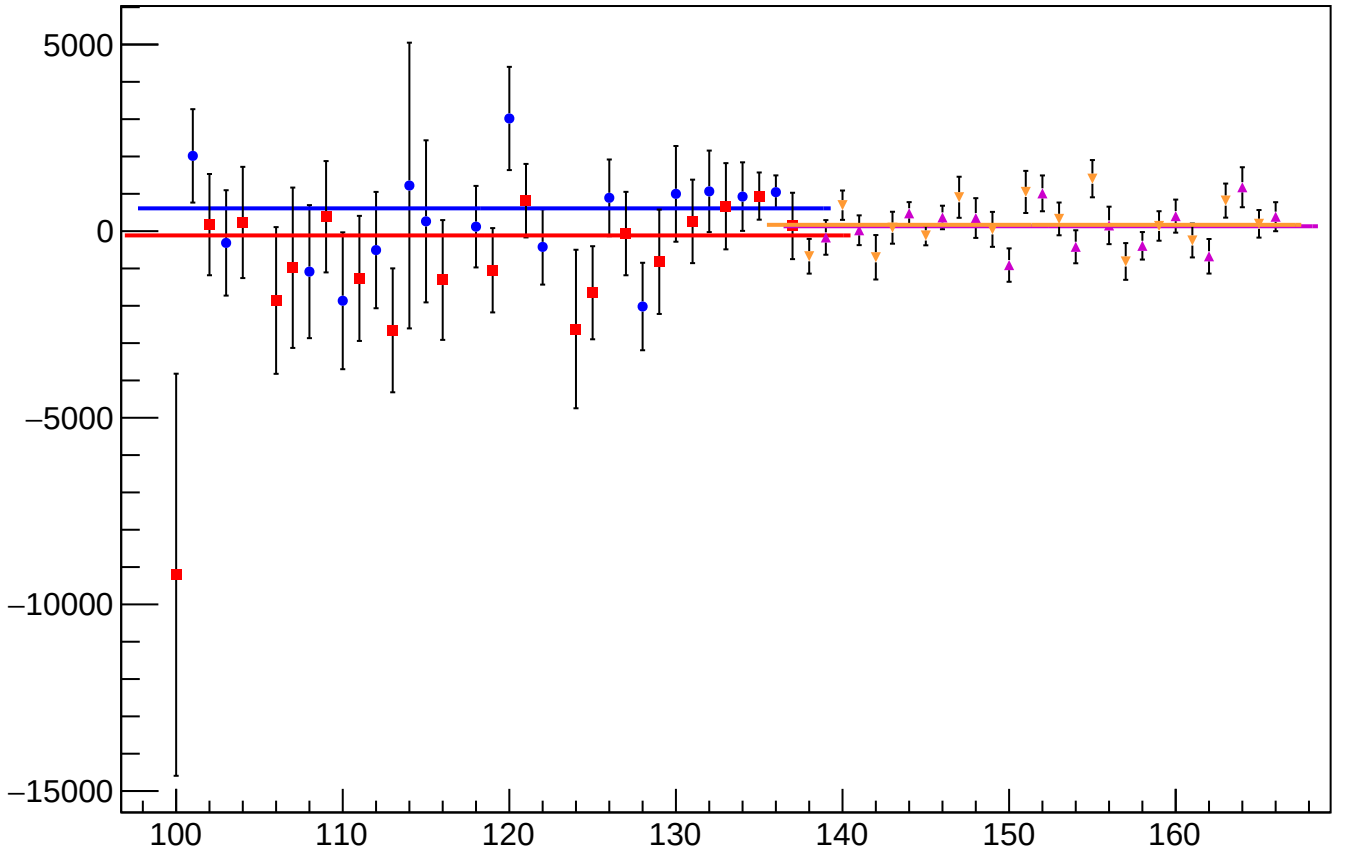
Left: 56.518+/-0.008 χ^2/NDF: 597691.7/28

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.492+/-0.010 χ^2/NDF:1343779.1/29

Out: 61.238+/-0.010 χ^2/NDF:1497800.5/33

All: 60.865+/-0.007 χ^2/NDF: 2844312.2/63



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 169.194+/-110.786 χ^2/NDF:25.8/14

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 130.690+/-110.892 χ^2/NDF:22.5/13

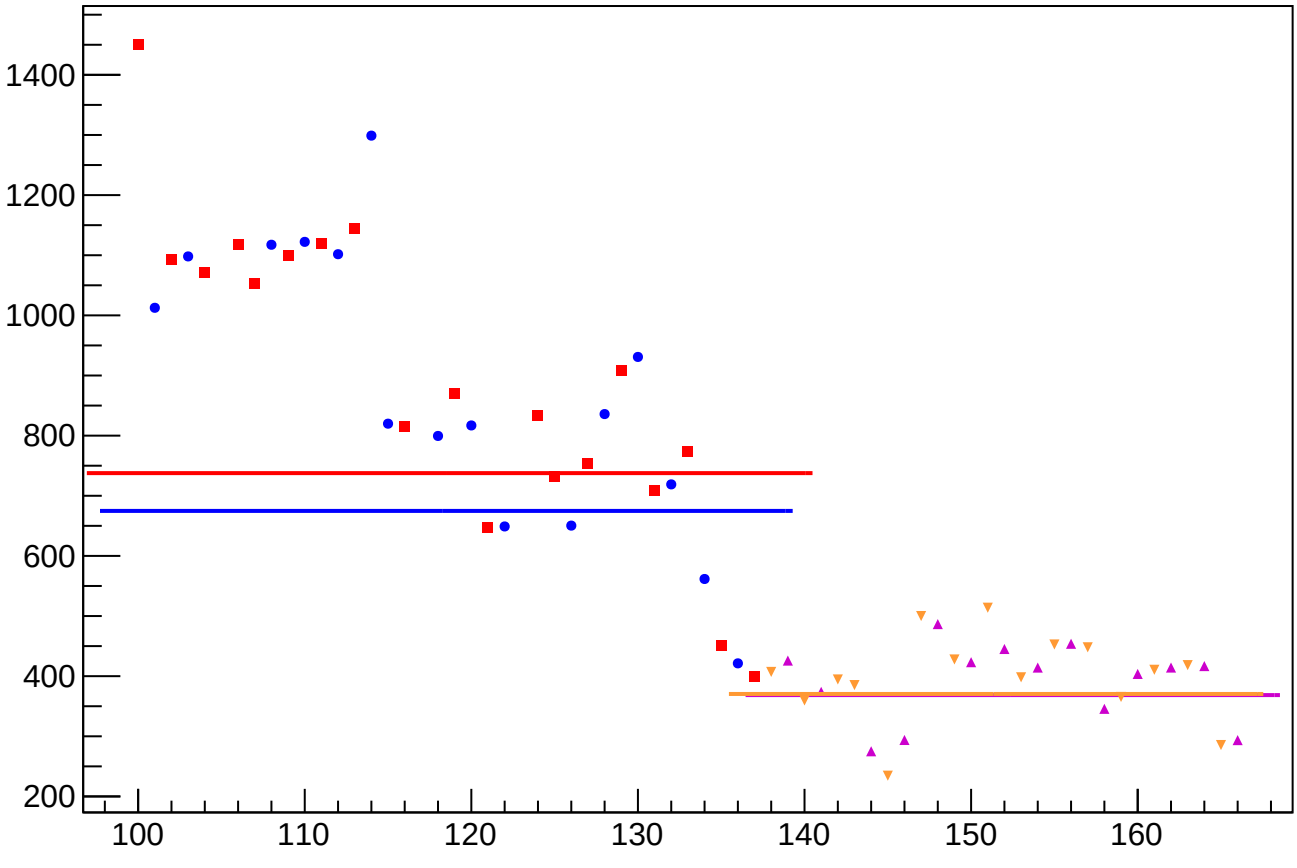
Left: 149.960+/-78.375 χ^2/NDF: 48.4/28

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 201.377+/-102.399 χ^2/NDF:41.0/29

Out: 131.779+/-103.226 χ^2/NDF:42.3/33

All: 166.858+/-72.698 χ^2/NDF: 83.5/63



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076976.9/14

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 368.541+/-0.078 χ^2/NDF:726700.6/13

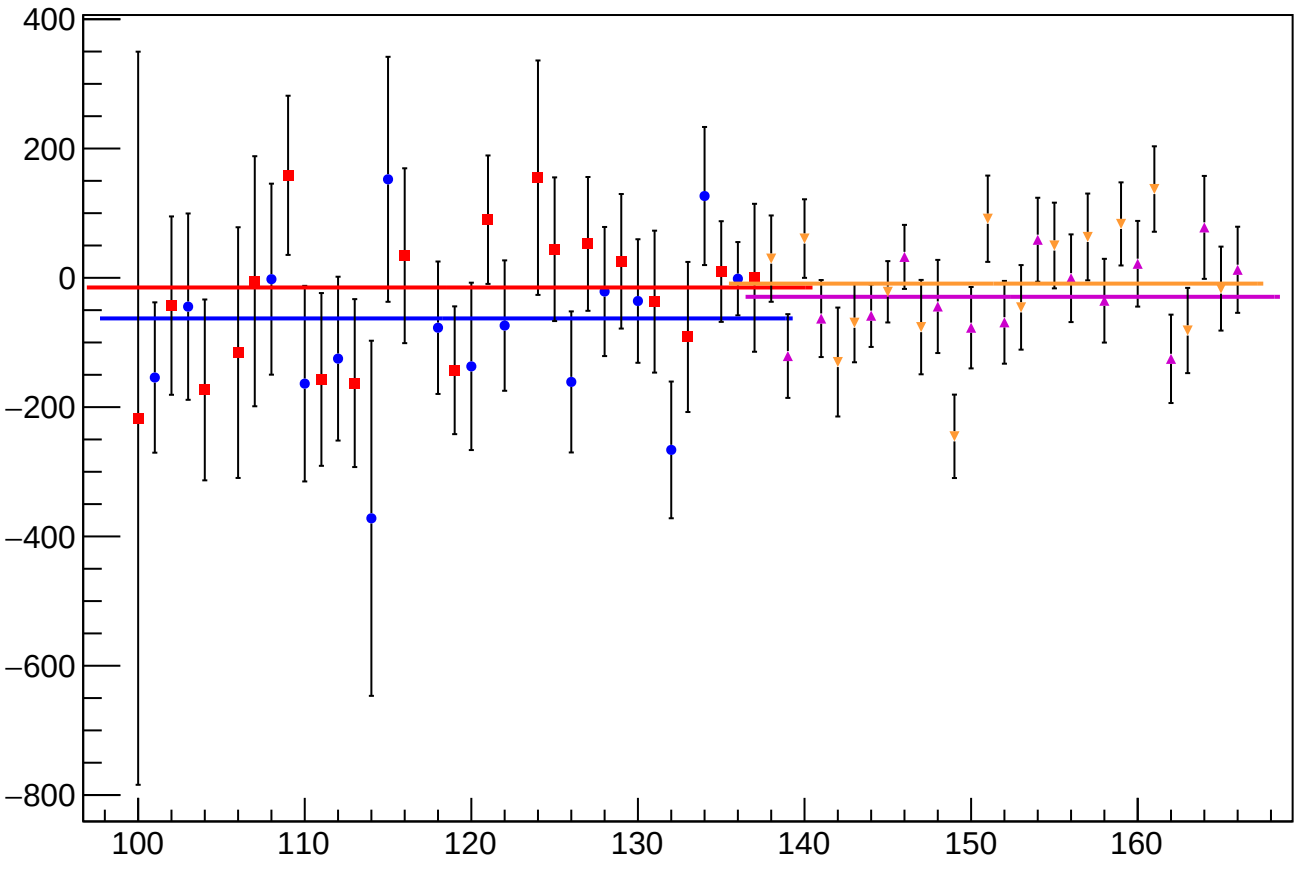
Left: 369.477+/-0.055 χ^2/NDF: 1803961.8/28

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 413.659+/-0.072 χ^2/NDF:4591841.2/29

Out: 418.824+/-0.073 χ^2/NDF:5491099.7/33

All: 416.221+/-0.051 χ^2/NDF: 10085464.3/63



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -29.358+/-16.755 χ^2/NDF:12.0/13

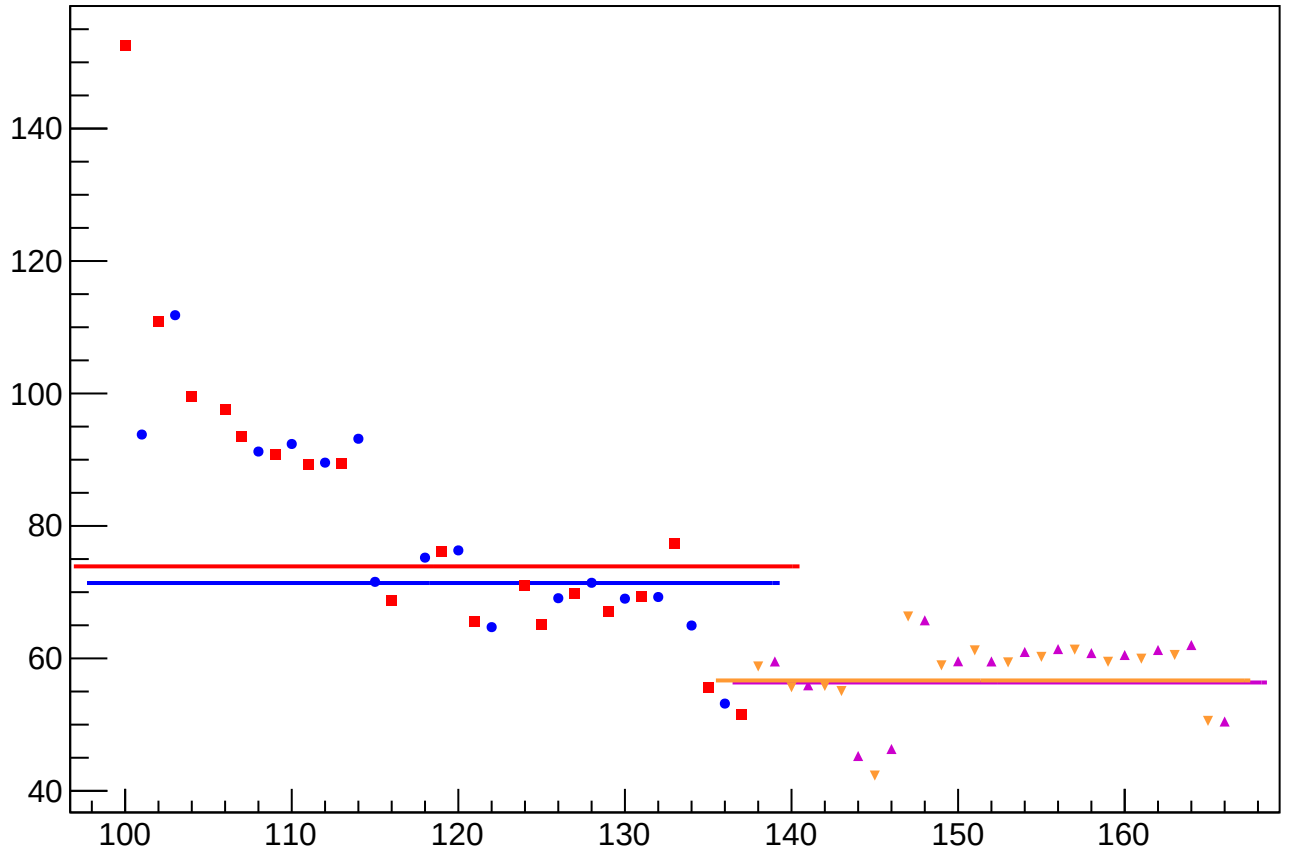
Left: -19.074+/-11.798 χ^2/NDF: 44.5/28

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -38.547+/-14.267 χ^2/NDF:26.6/29

Out: -10.532+/-14.261 χ^2/NDF:43.2/33

All: -24.533+/-10.086 χ^2/NDF: 71.7/63



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

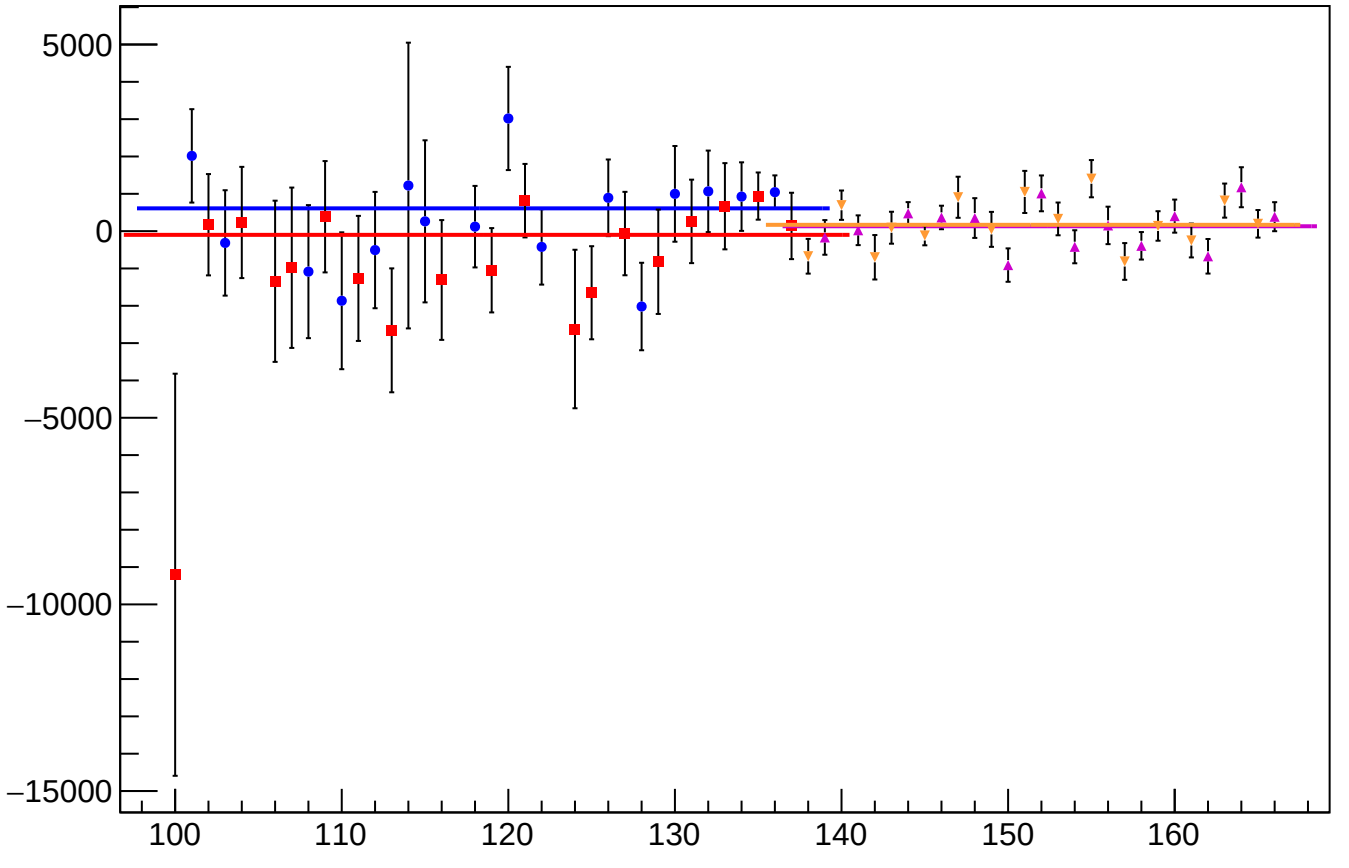
Left: 56.518+/-0.008 χ^2/NDF: 597691.7/28

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.492+/-0.010 χ^2/NDF:1343781.8/29

Out: 61.208+/-0.010 χ^2/NDF:1479391.0/33

All: 60.850+/-0.007 χ^2/NDF: 2825693.1/63



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 169.192+/-110.786 χ^2/NDF:25.8/14

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 130.686+/-110.892 χ^2/NDF:22.5/13

Left: 149.958+/-78.375 χ^2/NDF: 48.4/28

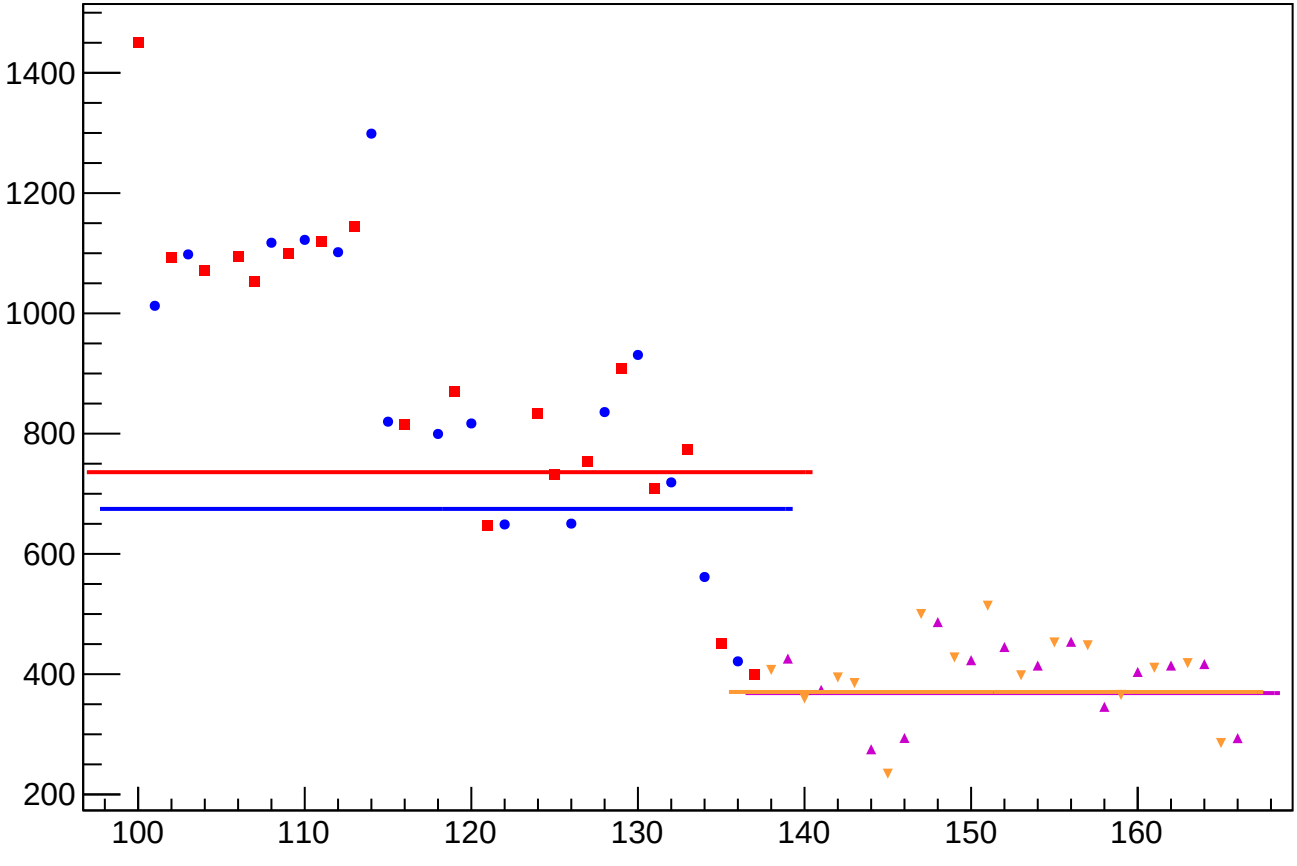
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 201.372+/-102.400 χ^2/NDF:41.0/29

Out: 133.878+/-103.251 χ^2/NDF:41.7/33

All: 167.904+/-72.706 χ^2/NDF: 82.9/63

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 368.541+/-0.078 χ^2/NDF:726704.2/13

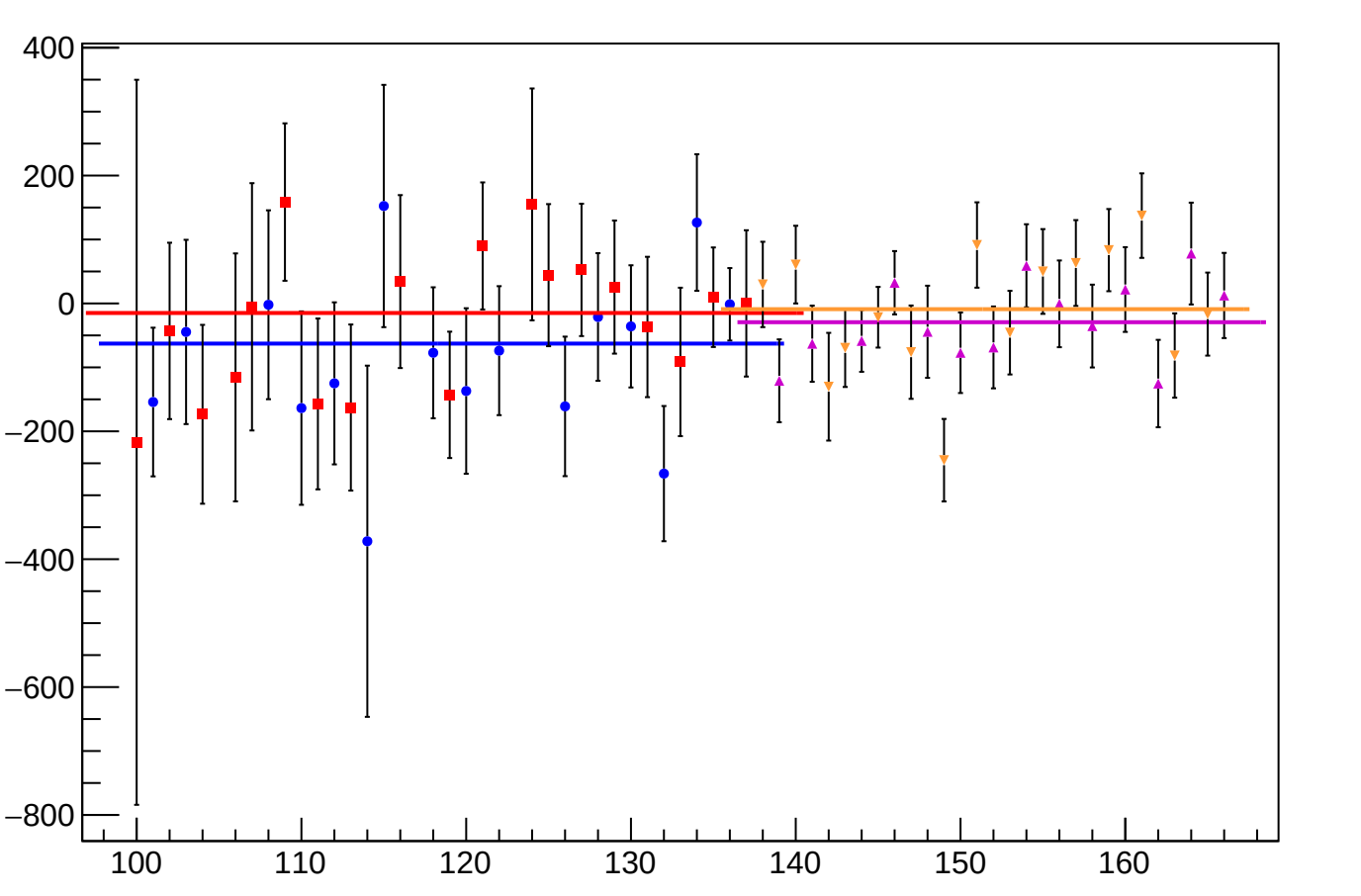
Left: 369.477+/-0.055 χ^2/NDF: 1803970.4/28

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 413.659+/-0.072 χ^2/NDF:4591867.6/29

Out: 418.440+/-0.073 χ^2/NDF:5434635.1/33

All: 416.030+/-0.051 χ^2/NDF: 10028664.5/63



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -29.358+/-16.755 χ^2/NDF:12.0/13

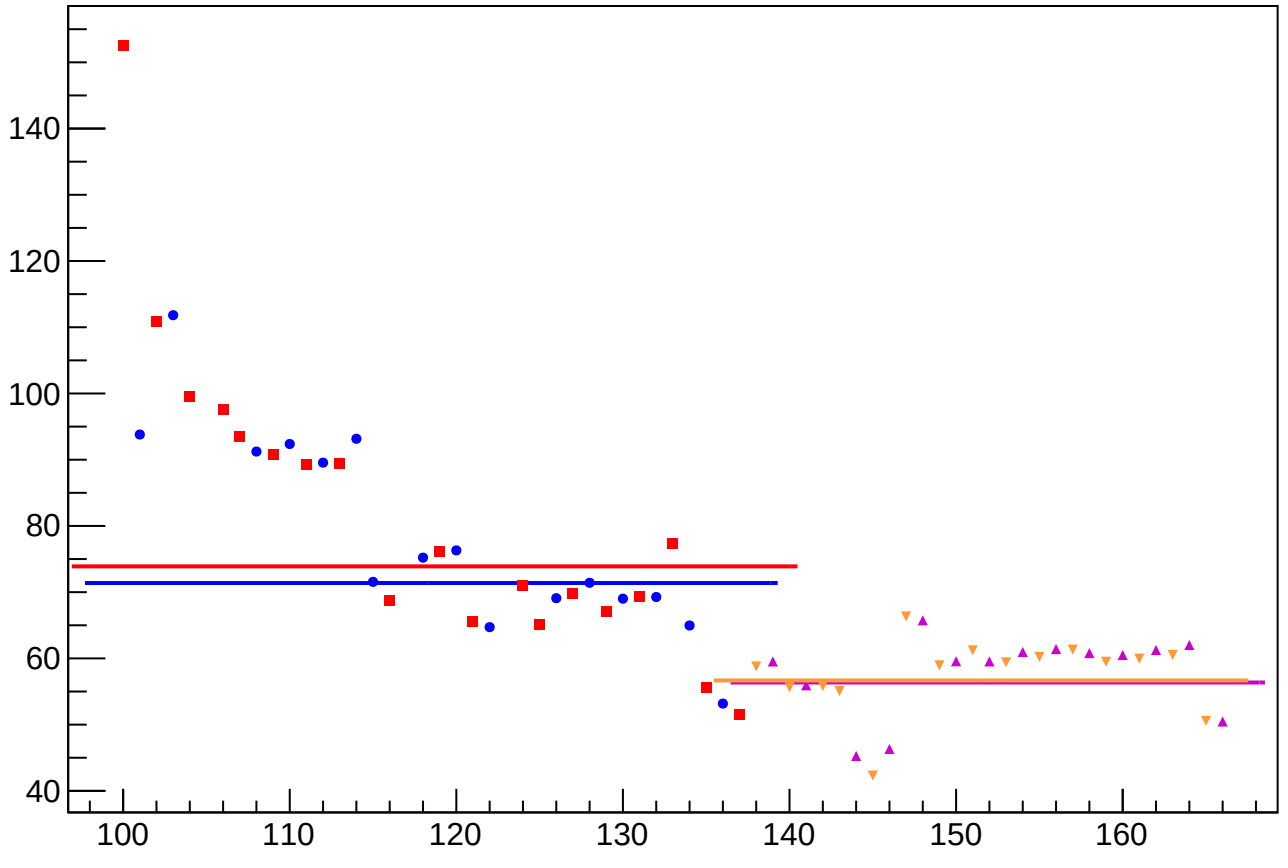
Left: -19.074+/-11.798 χ^2/NDF: 44.5/28

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -38.547+/-14.267 χ^2/NDF:26.6/29

Out: -10.532+/-14.261 χ^2/NDF:43.2/33

All: -24.533+/-10.086 χ^2/NDF: 71.7/63



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.364+/-0.012 χ^2/NDF:311091.2/13

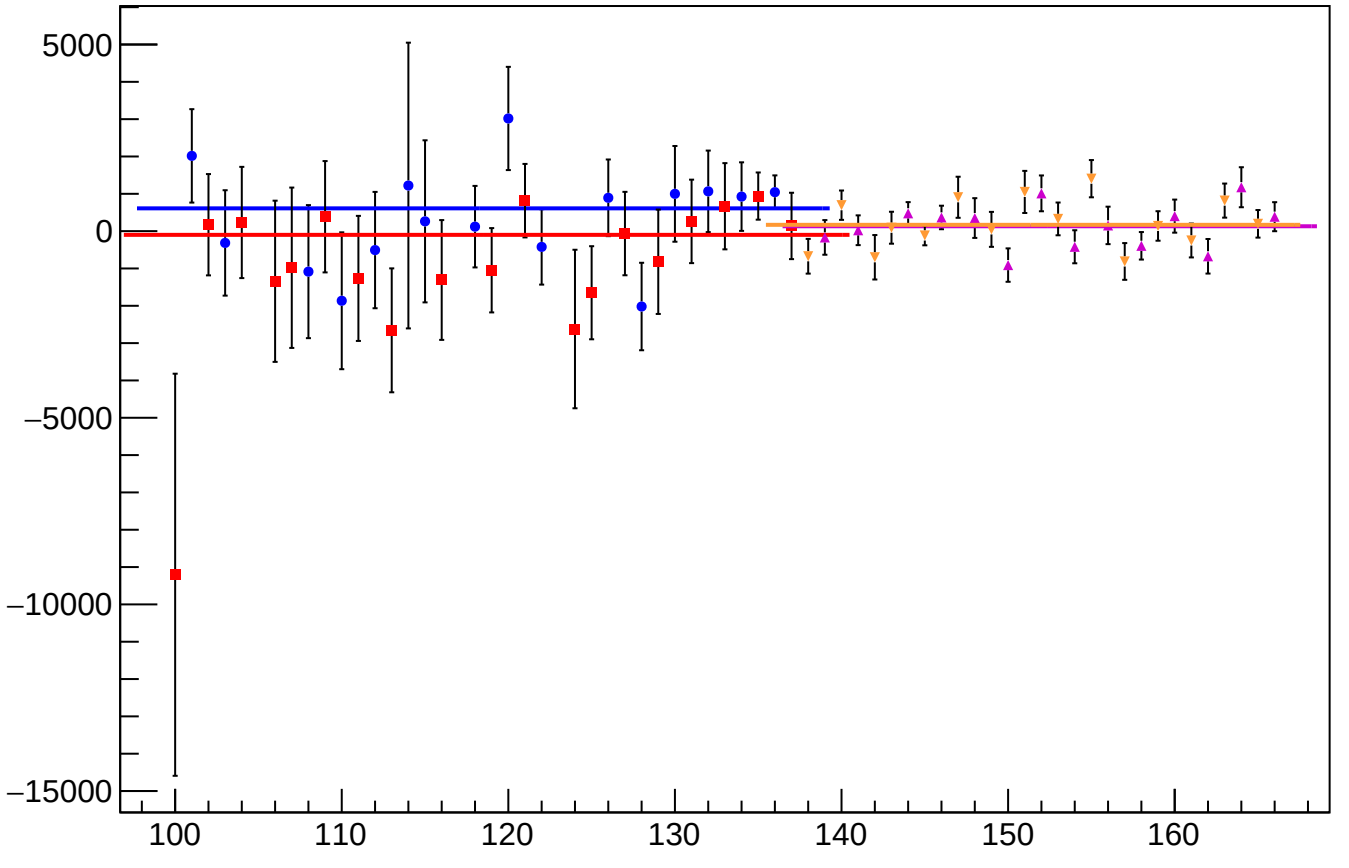
Left: 56.518+/-0.008 χ^2/NDF: 597691.7/28

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.492+/-0.010 χ^2/NDF:1343781.8/29

Out: 61.208+/-0.010 χ^2/NDF:1479391.0/33

All: 60.850+/-0.007 χ^2/NDF: 2825693.1/63



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 169.192+/-110.786 χ^2/NDF:25.8/14

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 130.686+/-110.892 χ^2/NDF:22.5/13

Left: 149.958+/-78.375 χ^2/NDF: 48.4/28

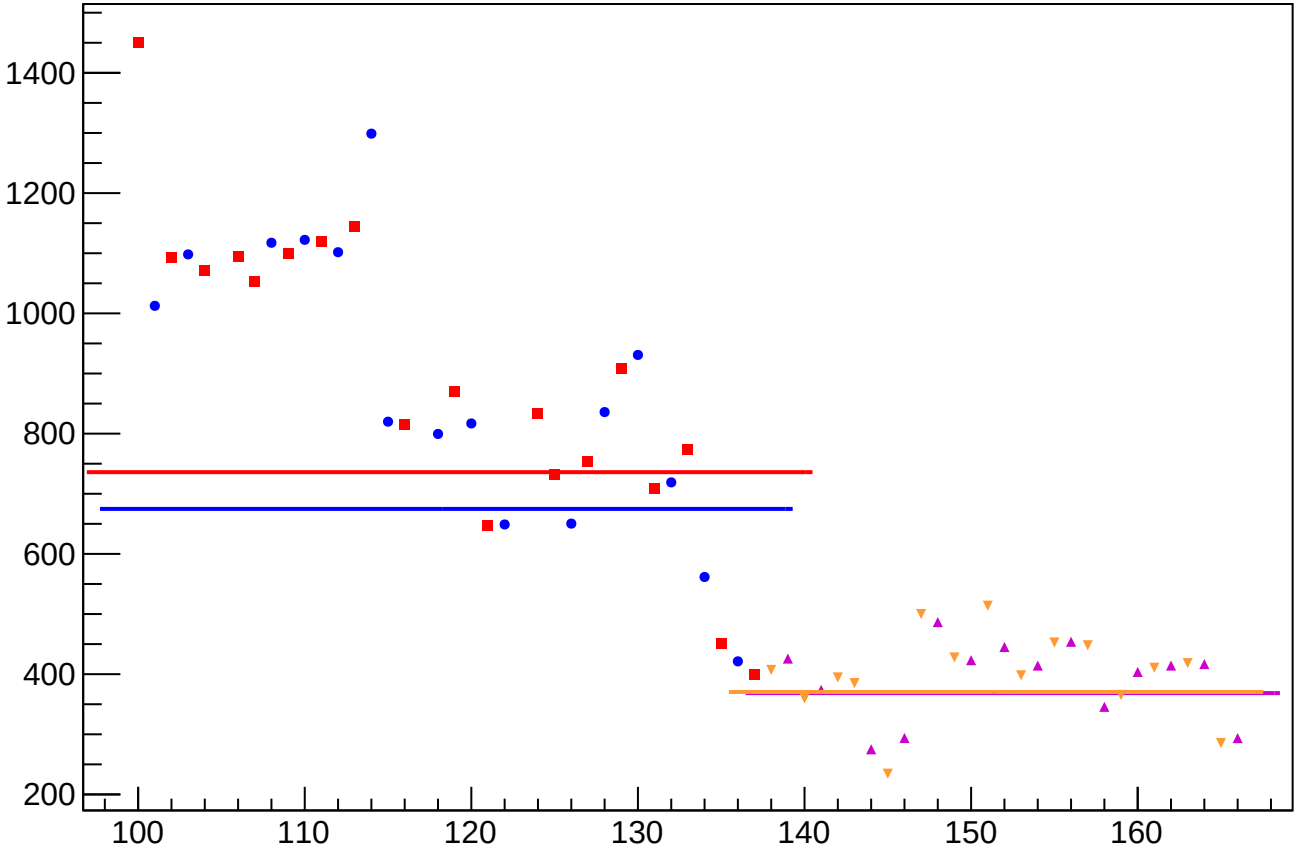
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 201.372+/-102.400 χ^2/NDF:41.0/29

Out: 133.878+/-103.251 χ^2/NDF:41.7/33

All: 167.904+/-72.706 χ^2/NDF: 82.9/63

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 368.541+/-0.078 χ^2/NDF:726704.2/13

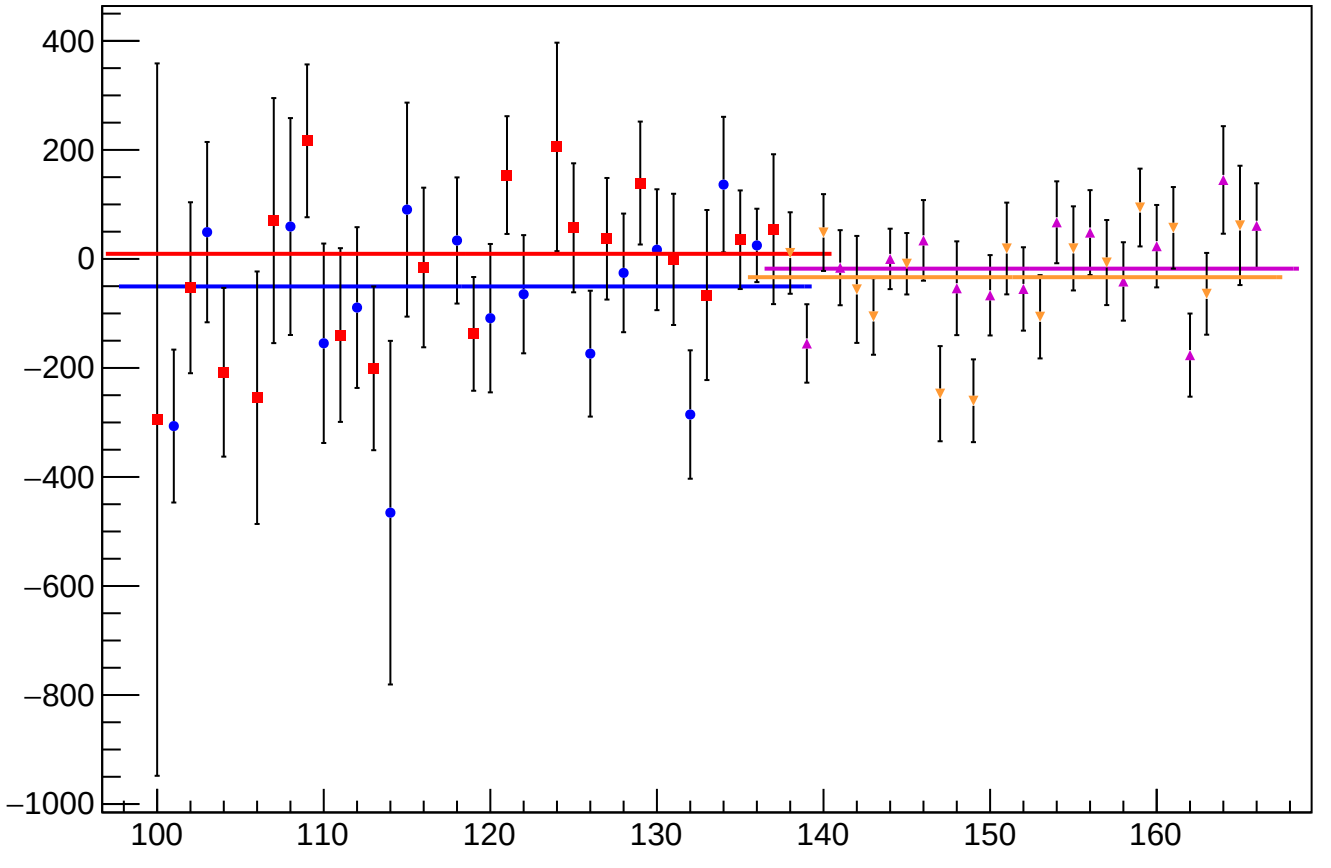
Left: 369.477+/-0.055 χ^2/NDF: 1803970.4/28

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 413.659+/-0.072 χ^2/NDF:4591867.6/29

Out: 418.440+/-0.073 χ^2/NDF:5434635.1/33

All: 416.030+/-0.051 χ^2/NDF: 10028664.5/63



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.840+/-19.797 χ^2/NDF:15.6/13

Left: -25.724+/-13.950 χ^2/NDF: 41.2/28

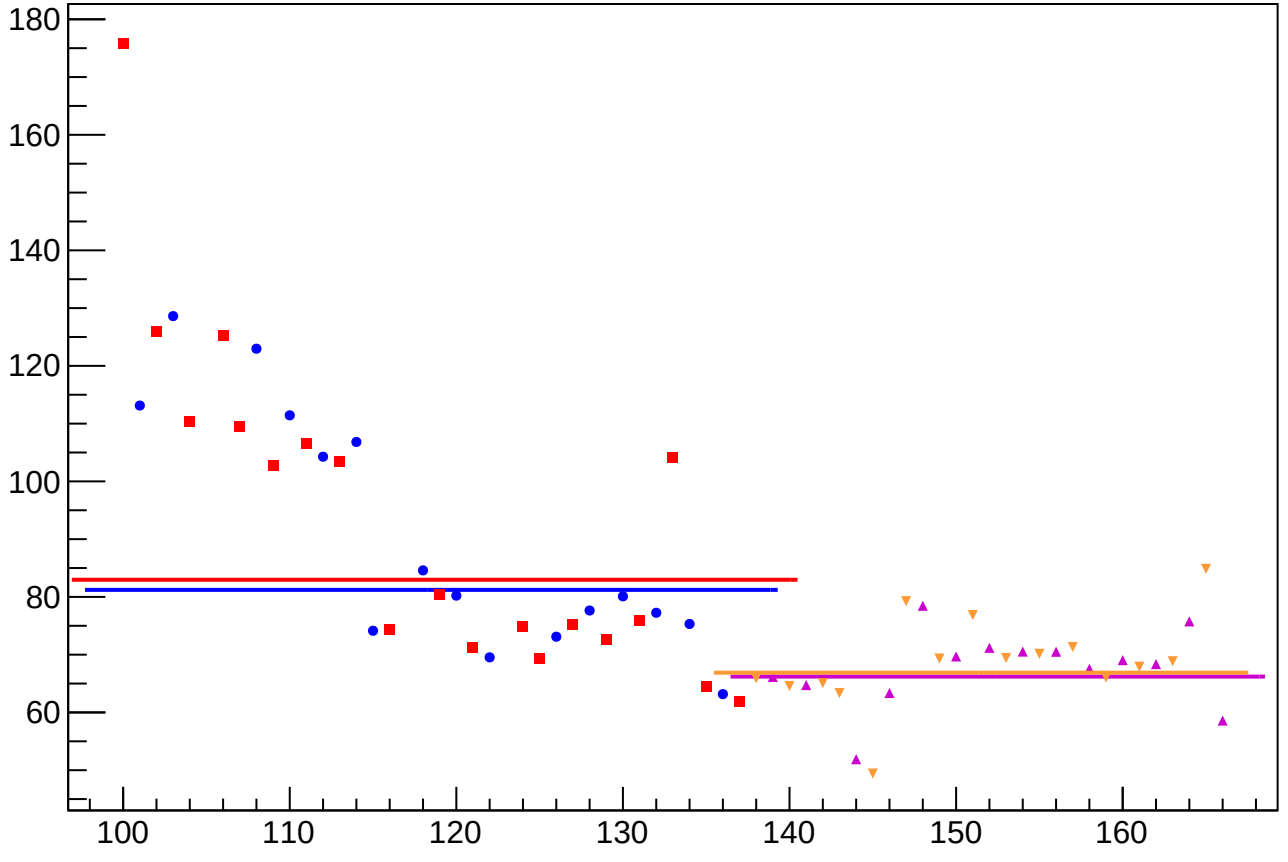
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -27.264+/-16.694 χ^2/NDF:32.8/29

Out: -21.332+/-16.639 χ^2/NDF:42.3/33

All: -24.288+/-11.785 χ^2/NDF: 75.1/63

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.882+/-0.014 χ^2/NDF:338915.2/14

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.204+/-0.014 χ^2/NDF:246350.2/13

Left: 66.545+/-0.010 χ^2/NDF: 586443.4/28

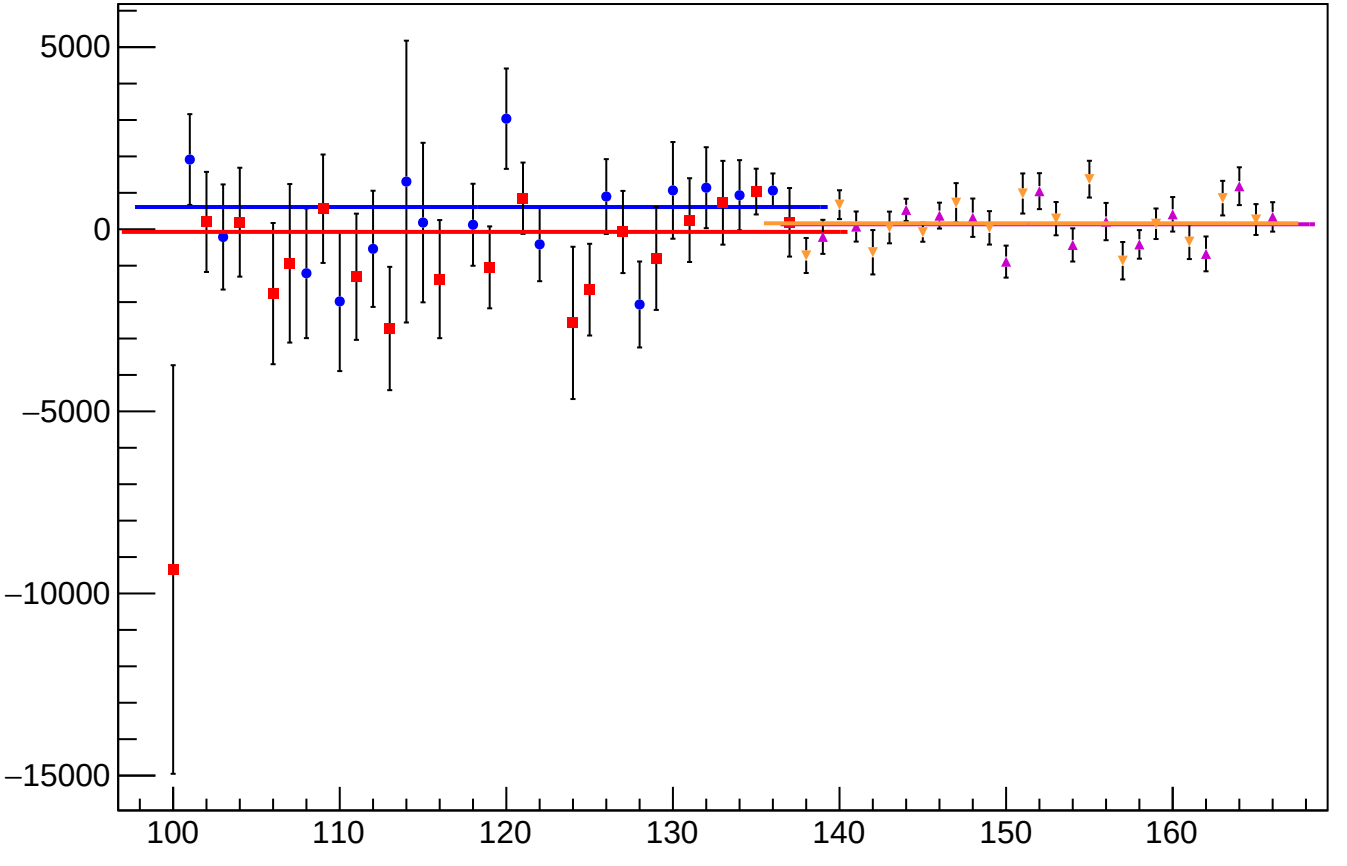
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 70.541+/-0.012 χ^2/NDF:1241508.2/29

Out: 71.448+/-0.012 χ^2/NDF:1449374.3/33

All: 70.996+/-0.008 χ^2/NDF: 2693838.6/63

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 163.904+/-113.743 χ^2/NDF:24.2/14

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 136.873+/-114.906 χ^2/NDF:22.7/13

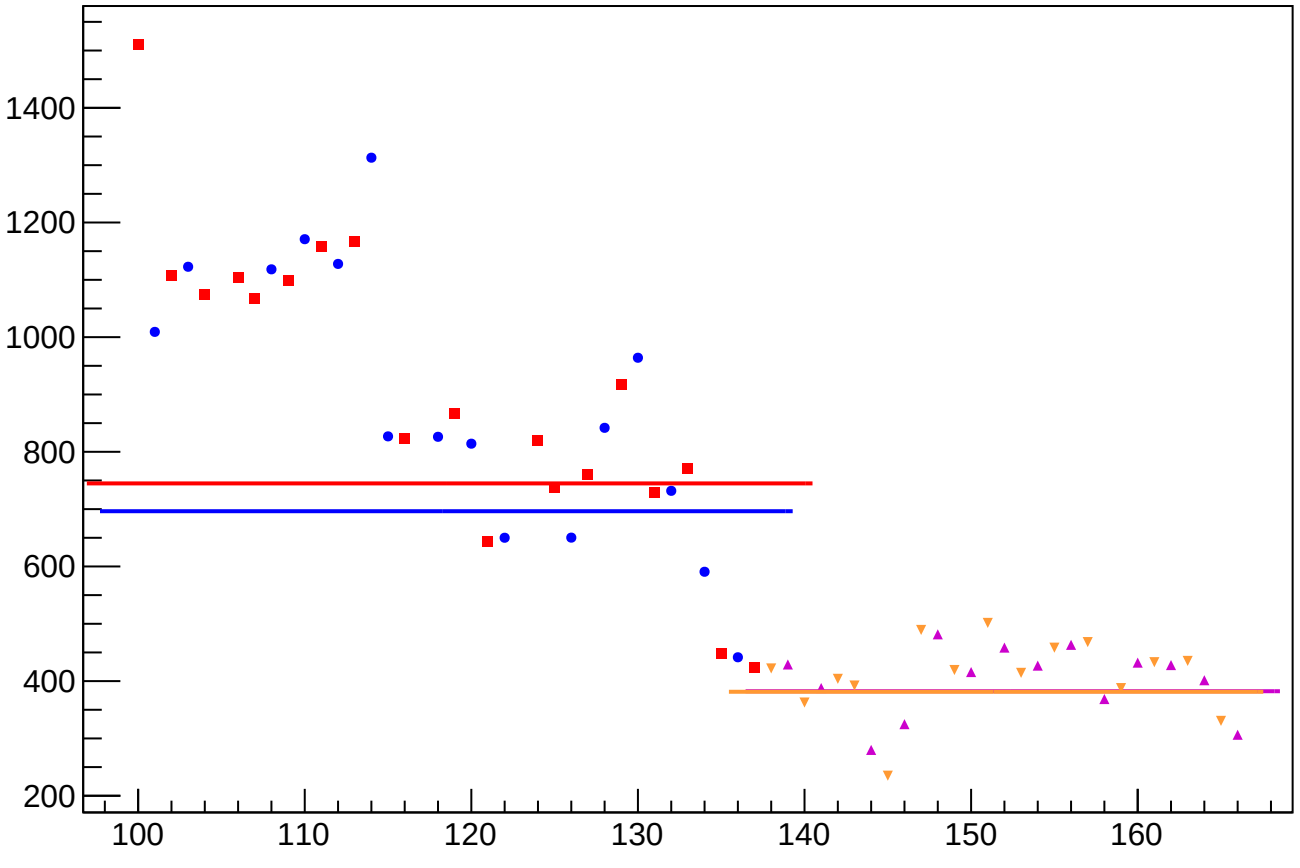
Left: 150.526+/-80.836 χ^2/NDF: 47.0/28

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 207.701+/-105.965 χ^2/NDF:41.1/29

Out: 131.806+/-105.733 χ^2/NDF:41.0/33

All: 169.671+/-74.846 χ^2/NDF: 82.3/63



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026853.1/14

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 382.358+/-0.081 χ^2/NDF:613022.3/13

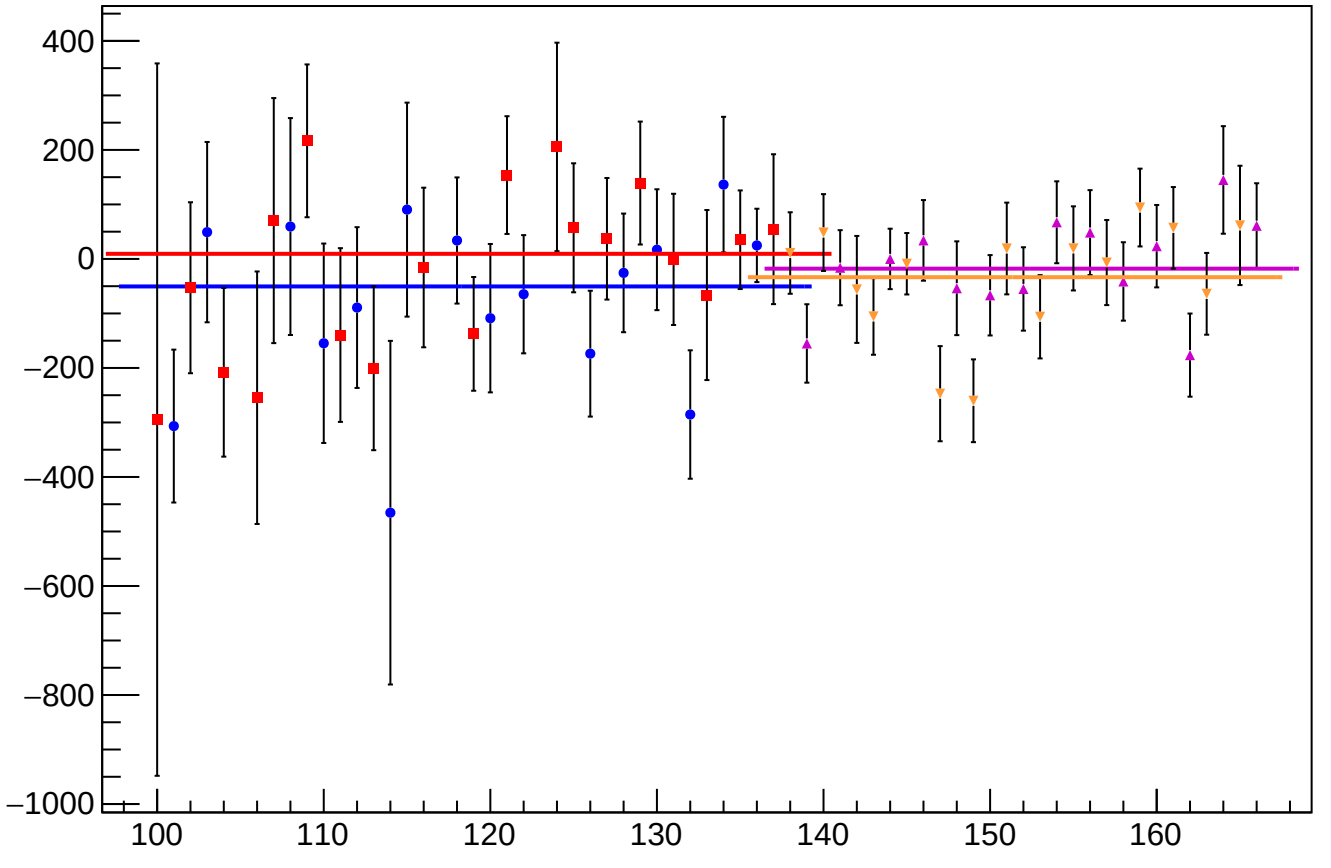
Left: 381.881+/-0.057 χ^2/NDF: 1639943.5/28

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 429.328+/-0.075 χ^2/NDF:4362662.0/29

Out: 430.803+/-0.075 χ^2/NDF:5300236.4/33

All: 430.067+/-0.053 χ^2/NDF: 9663092.5/63



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.838+/-19.797 χ^2/NDF:15.6/13

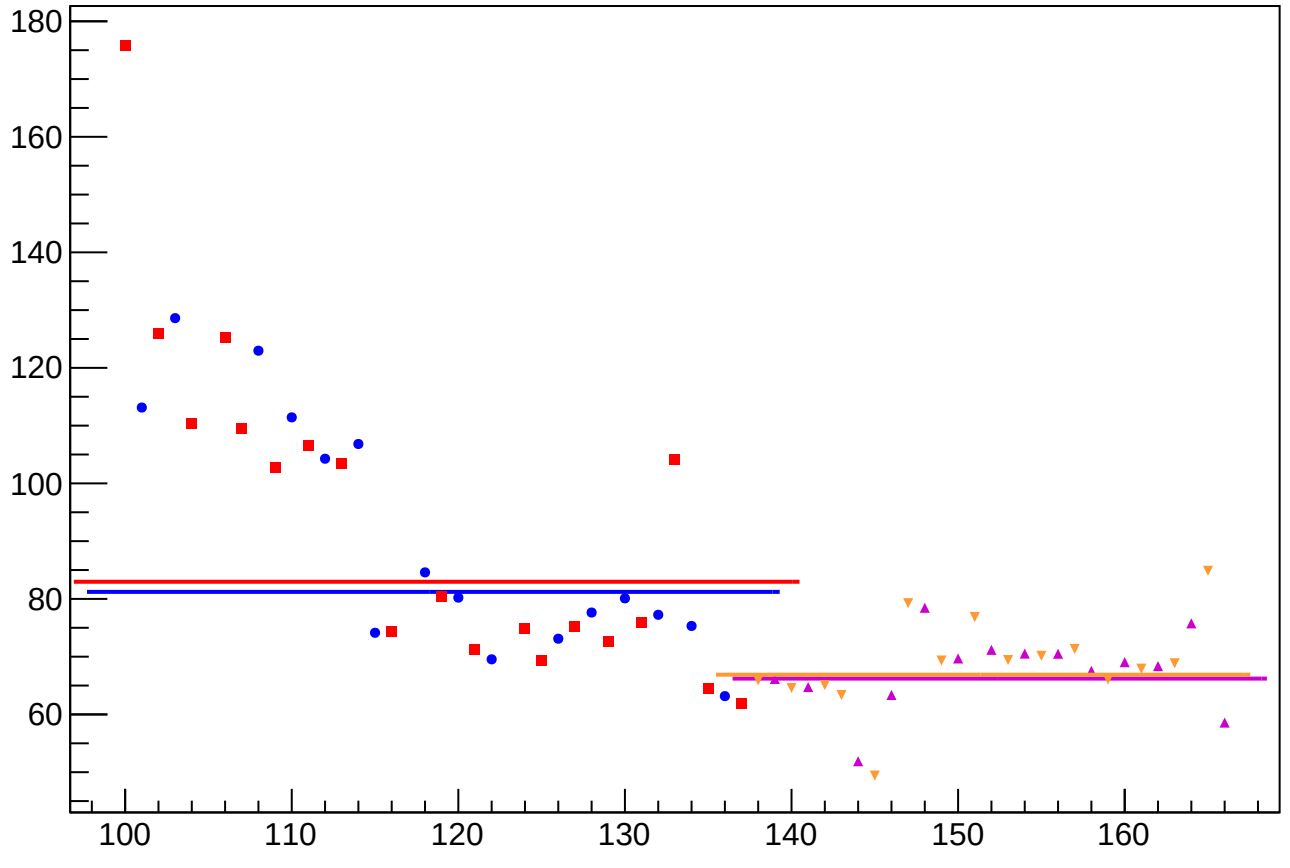
Left: -25.723+/-13.950 χ^2/NDF: 41.2/28

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -27.263+/-16.694 χ^2/NDF:32.8/29

Out: -21.331+/-16.639 χ^2/NDF:42.3/33

All: -24.288+/-11.785 χ^2/NDF: 75.1/63



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.882+/-0.014 χ^2/NDF:338909.1/14

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.205+/-0.014 χ^2/NDF:246349.5/13

Left: 66.546+/-0.010 χ^2/NDF: 586436.8/28

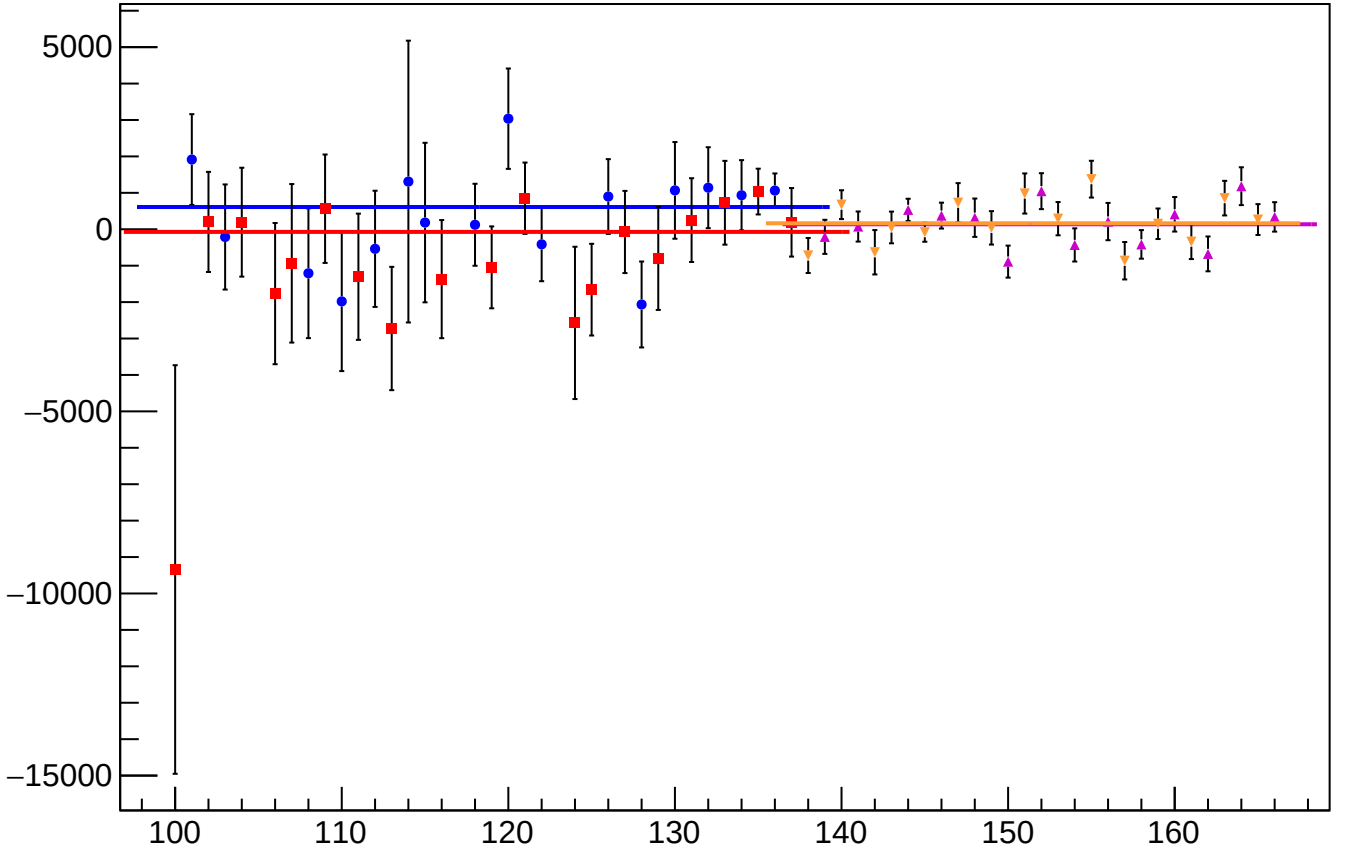
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 70.541+/-0.012 χ^2/NDF:1241471.8/29

Out: 71.448+/-0.012 χ^2/NDF:1449338.6/33

All: 70.996+/-0.008 χ^2/NDF: 2693767.0/63

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 163.903+/-113.743 χ^2/NDF:24.2/14

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 136.873+/-114.907 χ^2/NDF:22.7/13

Left: 150.526+/-80.837 χ^2/NDF: 47.0/28

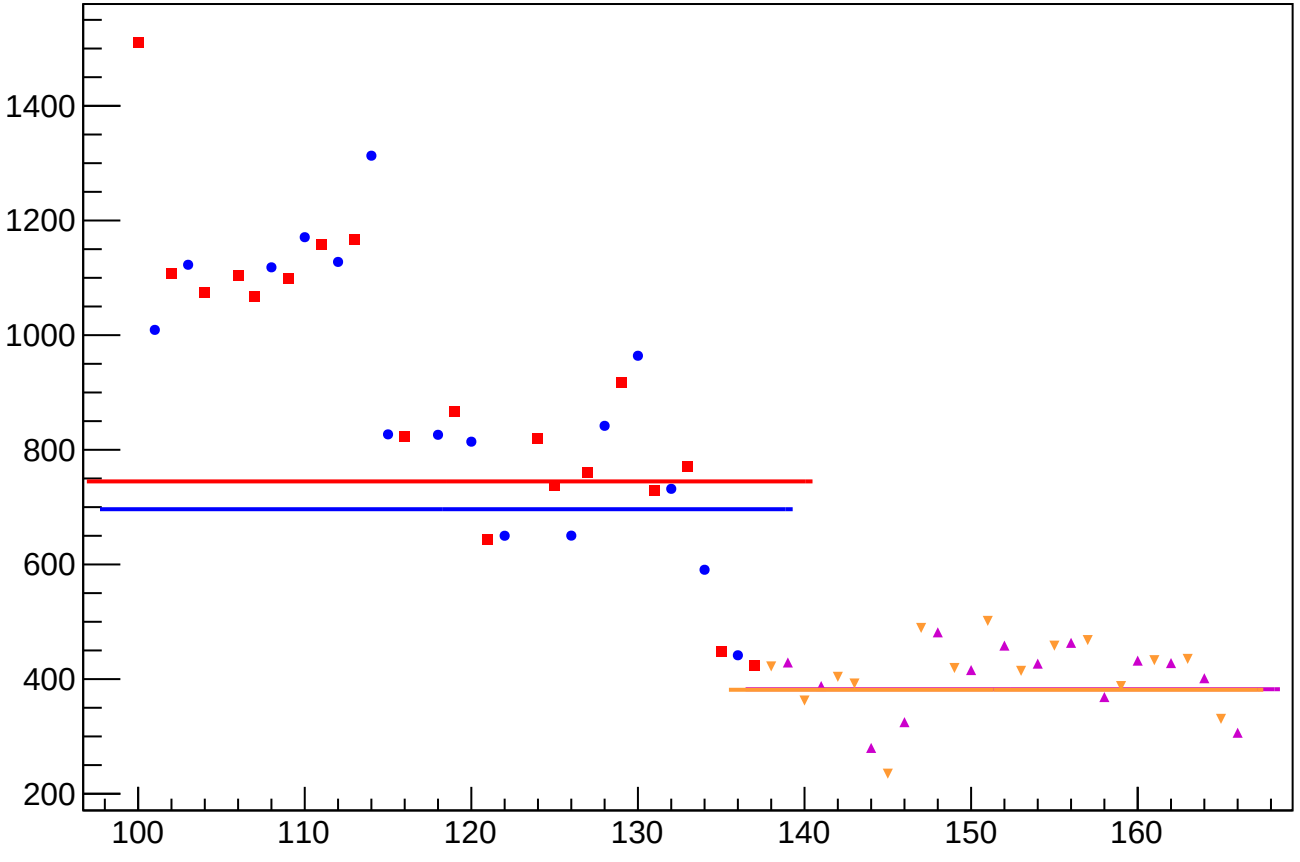
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 207.702+/-105.965 χ^2/NDF:41.1/29

Out: 131.805+/-105.733 χ^2/NDF:41.0/33

All: 169.670+/-74.846 χ^2/NDF: 82.3/63

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026873.3/14

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 382.358+/-0.081 χ^2/NDF:613031.4/13

Left: 381.881+/-0.057 χ^2/NDF: 1639972.7/28

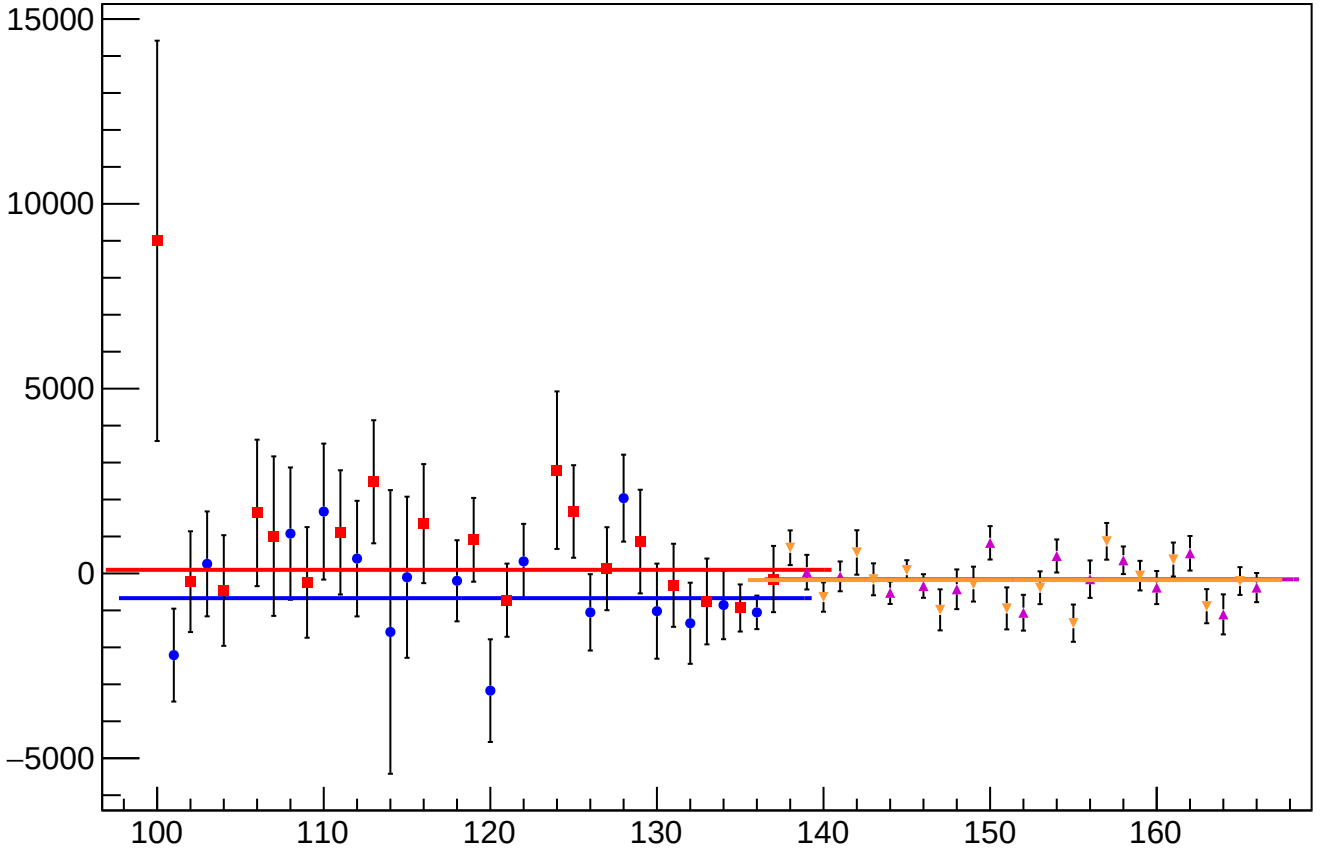
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 429.328+/-0.075 χ^2/NDF:4362647.9/29

Out: 430.803+/-0.075 χ^2/NDF:5300236.3/33

All: 430.067+/-0.053 χ^2/NDF: 9663078.3/63

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -179.606+/-112.113 χ^2/NDF:25.3/14

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -159.127+/-112.227 χ^2/NDF:20.3/13

Left: -169.377+/-79.316 χ^2/NDF: 45.5/28

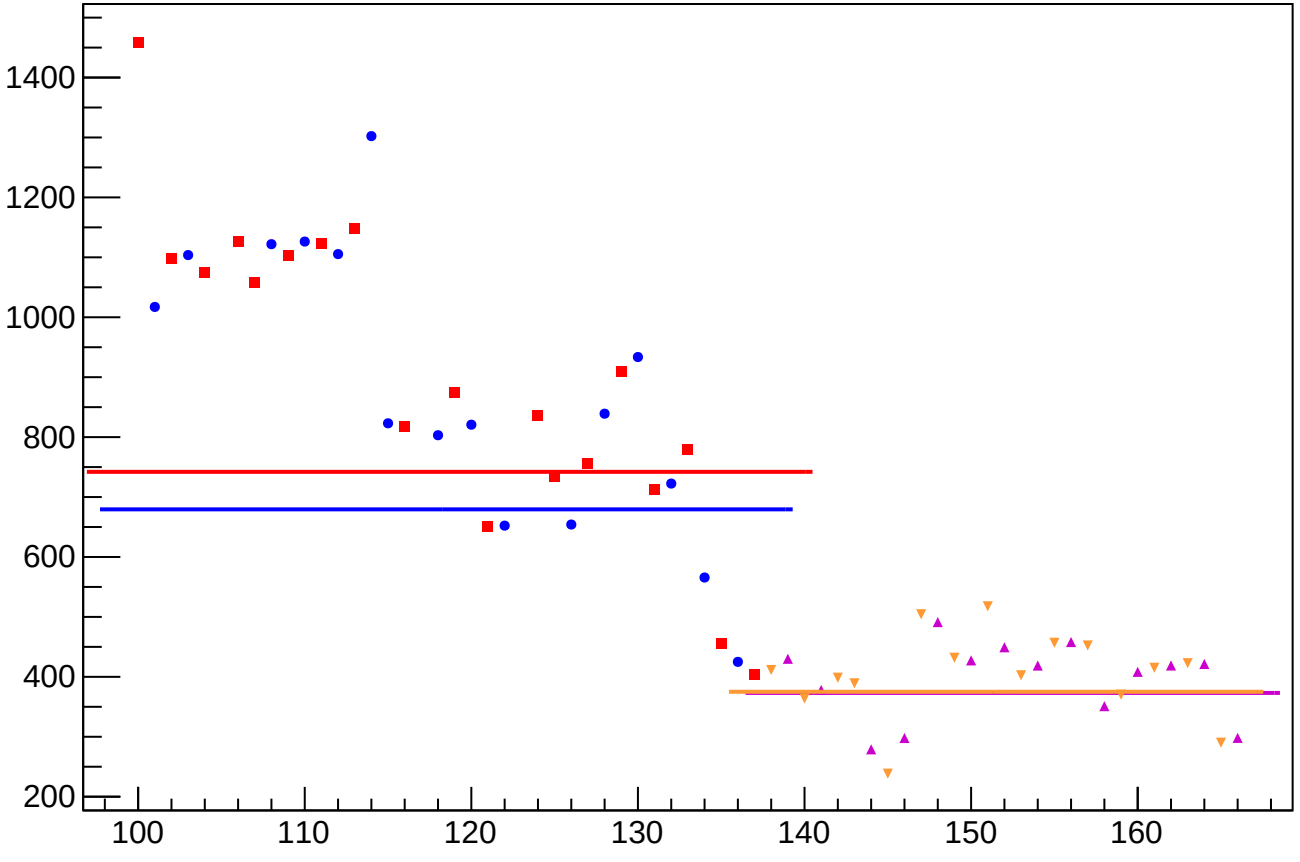
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -234.906+/-103.543 χ^2/NDF:39.5/29

Out: -142.602+/-104.374 χ^2/NDF:40.9/33

All: -189.123+/-73.508 χ^2/NDF: 80.8/63

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 375.107+/-0.079 χ^2/NDF:1050656.6/14

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 373.150+/-0.079 χ^2/NDF:711655.0/13

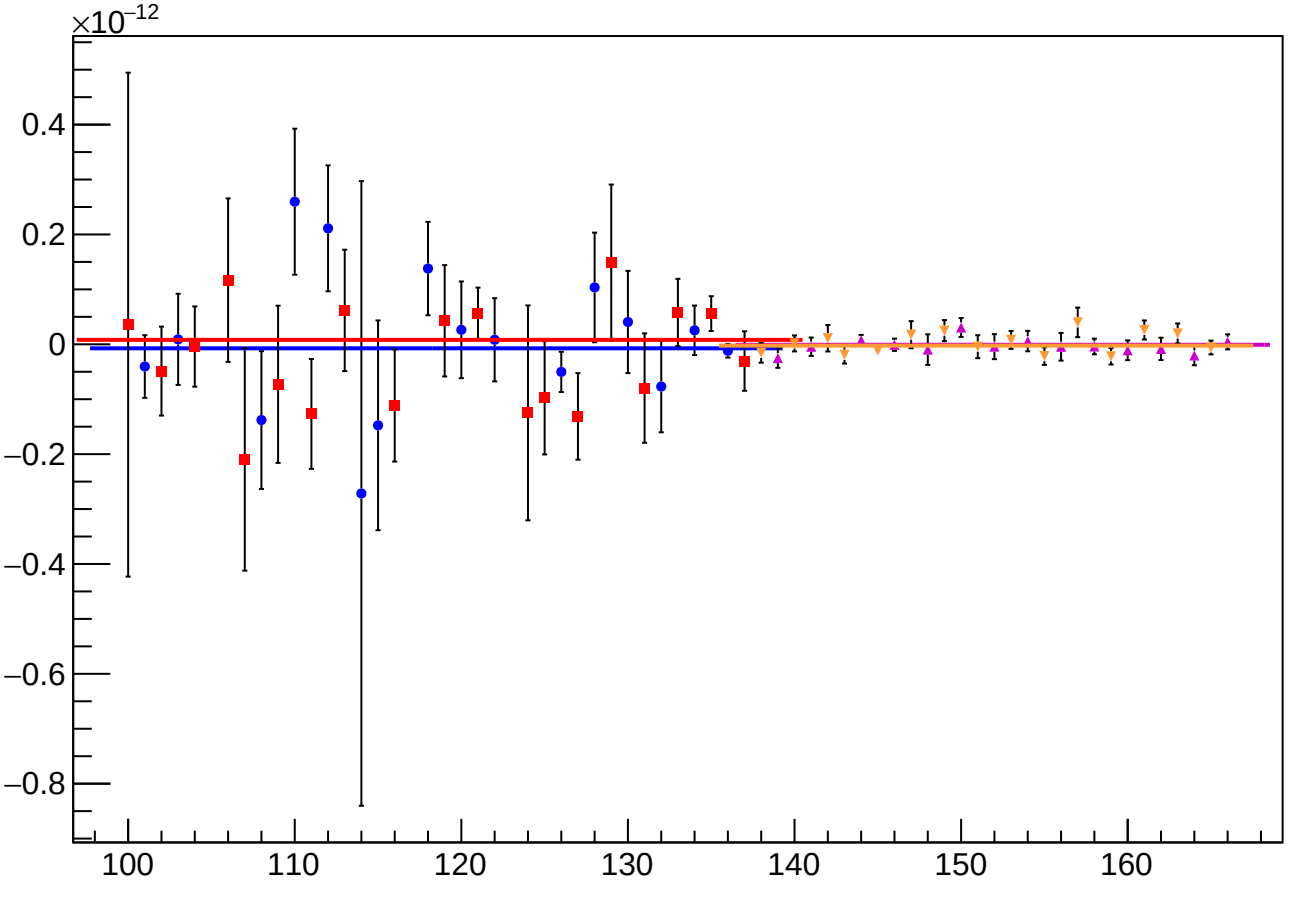
Left: 374.129+/-0.056 χ^2/NDF: 1762616.0/28

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 418.720+/-0.073 χ^2/NDF:4529196.2/29

Out: 424.023+/-0.074 χ^2/NDF:5411317.4/33

All: 421.350+/-0.052 χ^2/NDF: 9943114.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/13

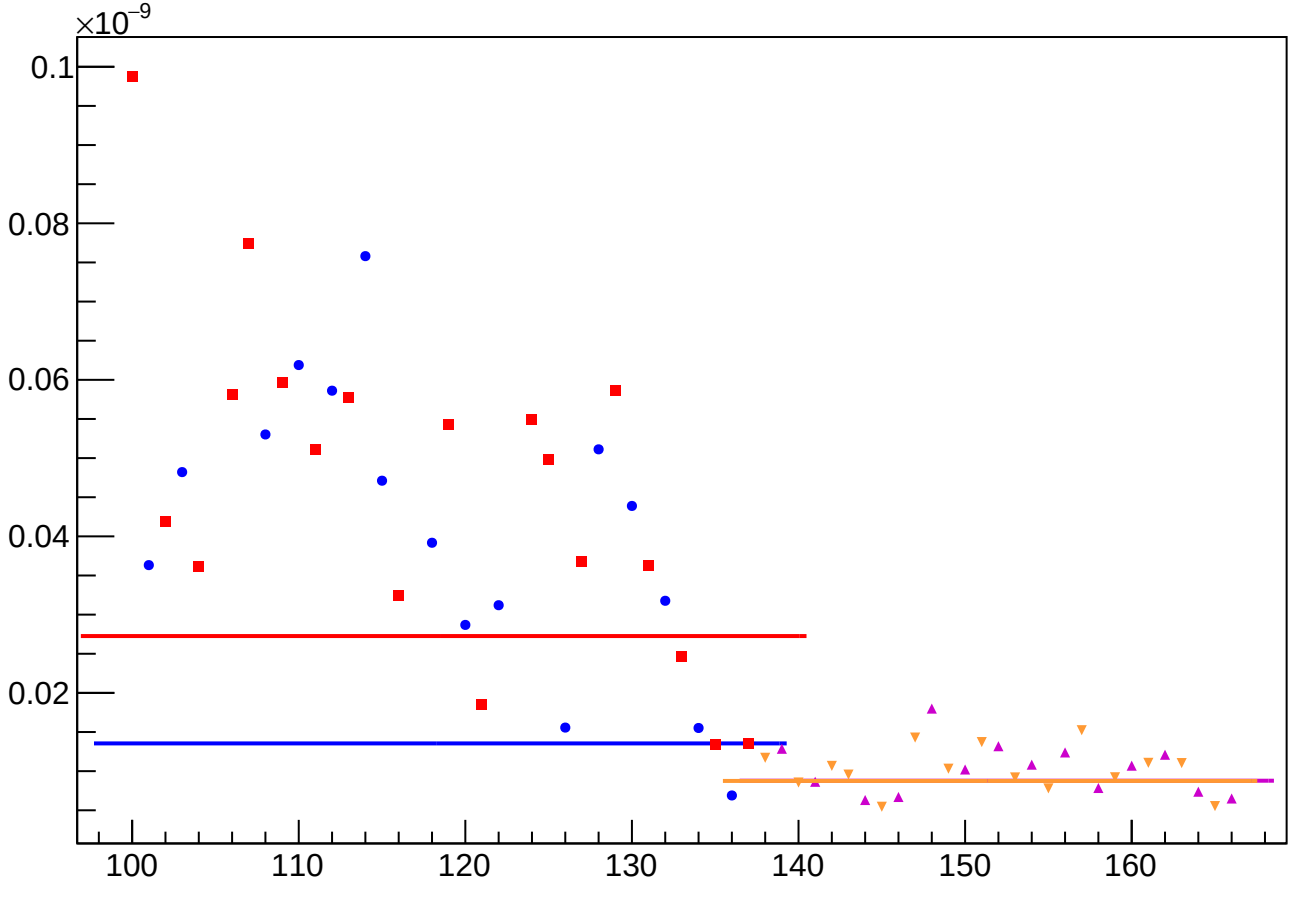
Left: -0.000+/-0.000 χ^2/NDF: 24.1/28

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.6/29

Out: -0.000+/-0.000 χ^2/NDF:33.3/33

All: -0.000+/-0.000 χ^2/NDF: 58.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:907388.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:824682.4/13

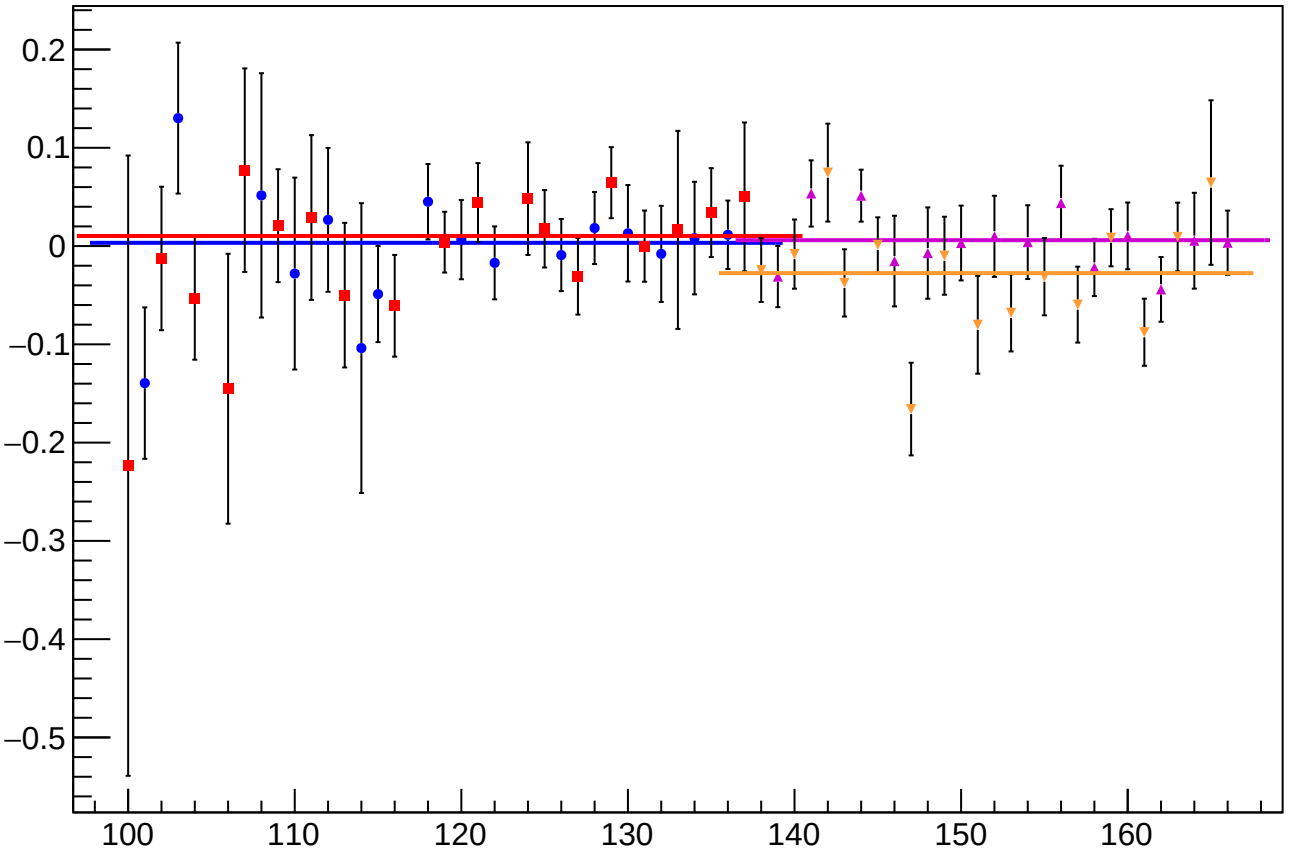
Left: 0.000+/-0.000 χ^2/NDF: 1732116.9/28

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4226293.1/29

Out: 0.000+/-0.000 χ^2/NDF:4807164.2/33

All: 0.000+/-0.000 χ^2/NDF: 9038312.3/63



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

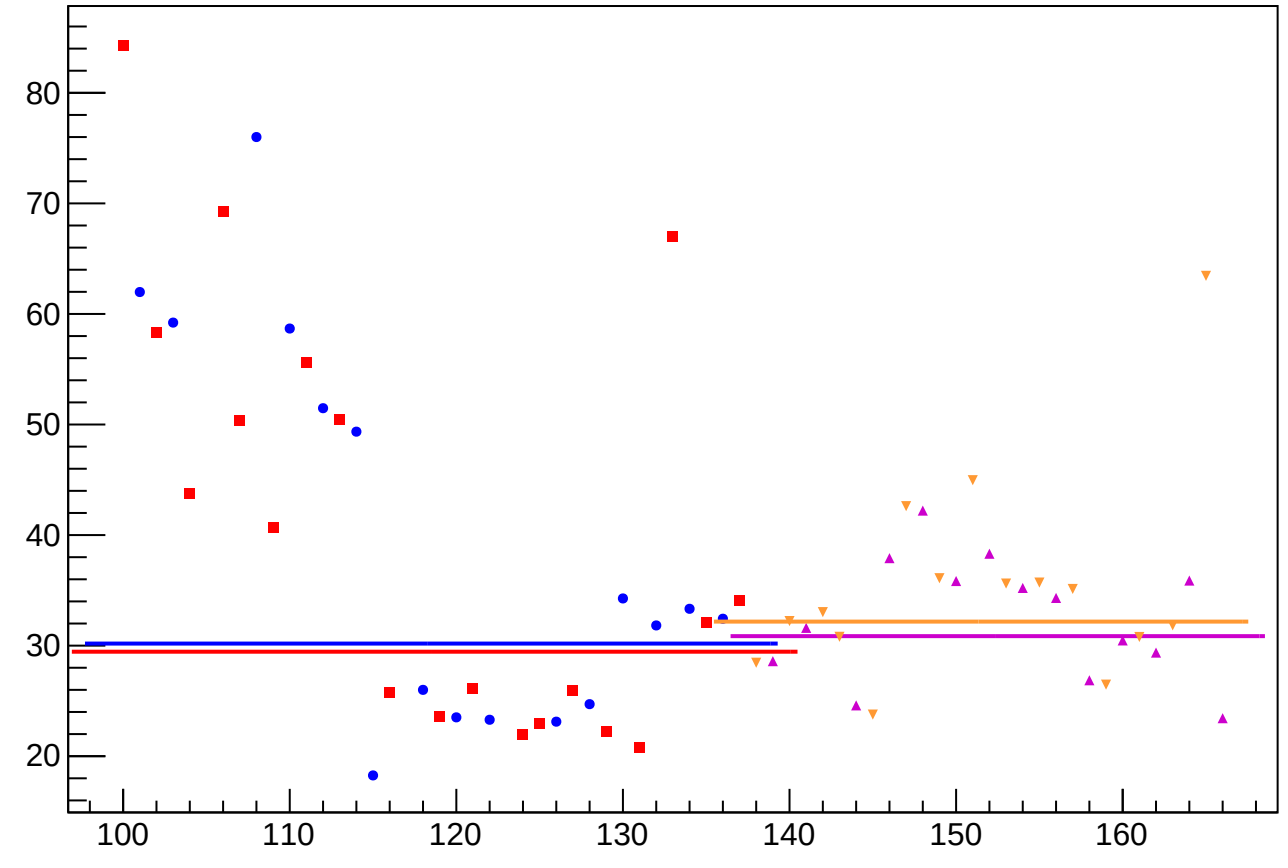
Left: -0.010+/-0.007 χ^2/NDF: 41.4/28

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/63



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.174+/-0.007 χ^2/NDF:863841.3/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.858+/-0.007 χ^2/NDF:599593.9/13

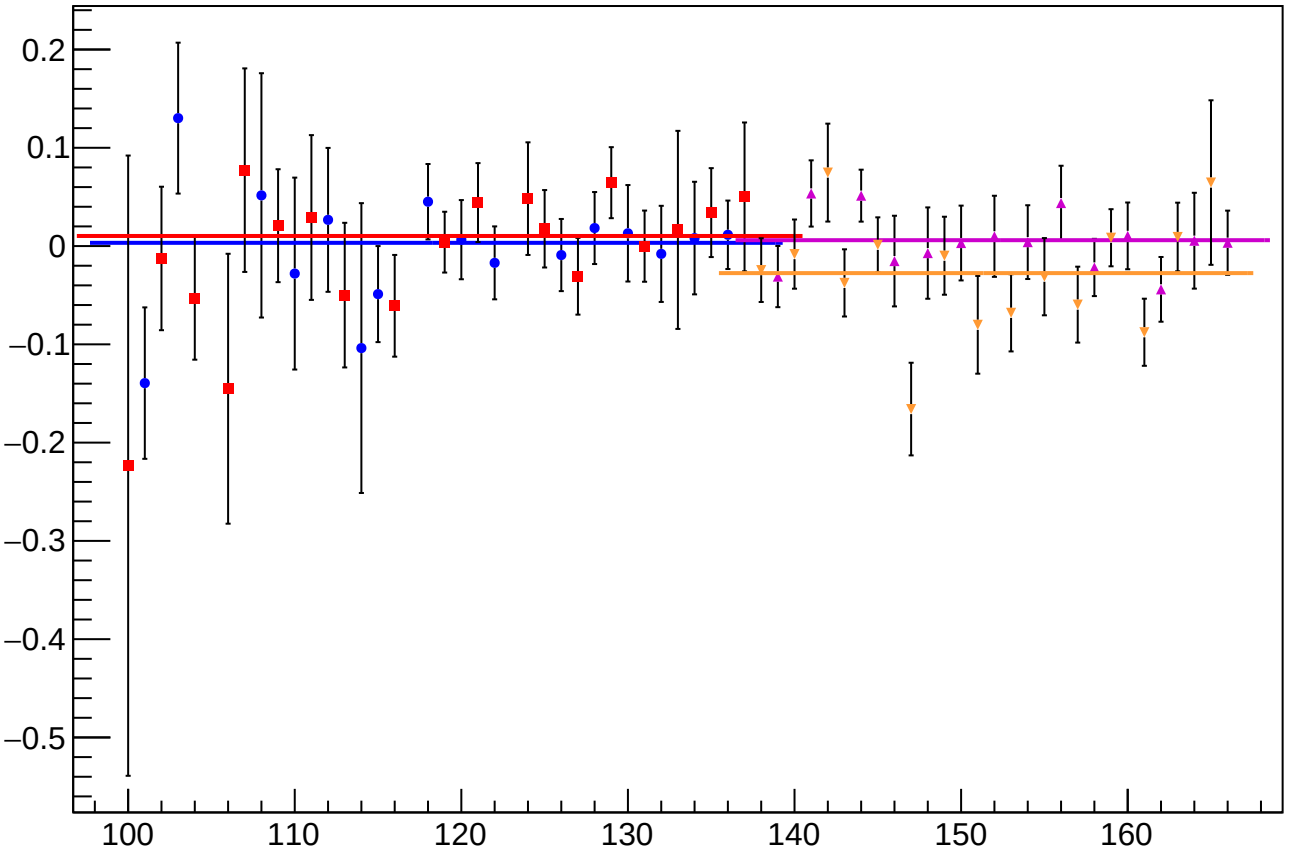
Left: 31.501+/-0.005 χ^2/NDF: 1482496.8/28

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.610+/-0.005 χ^2/NDF:2290736.6/29

Out: 31.086+/-0.005 χ^2/NDF:2776223.5/33

All: 30.848+/-0.004 χ^2/NDF: 5071018.0/63



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

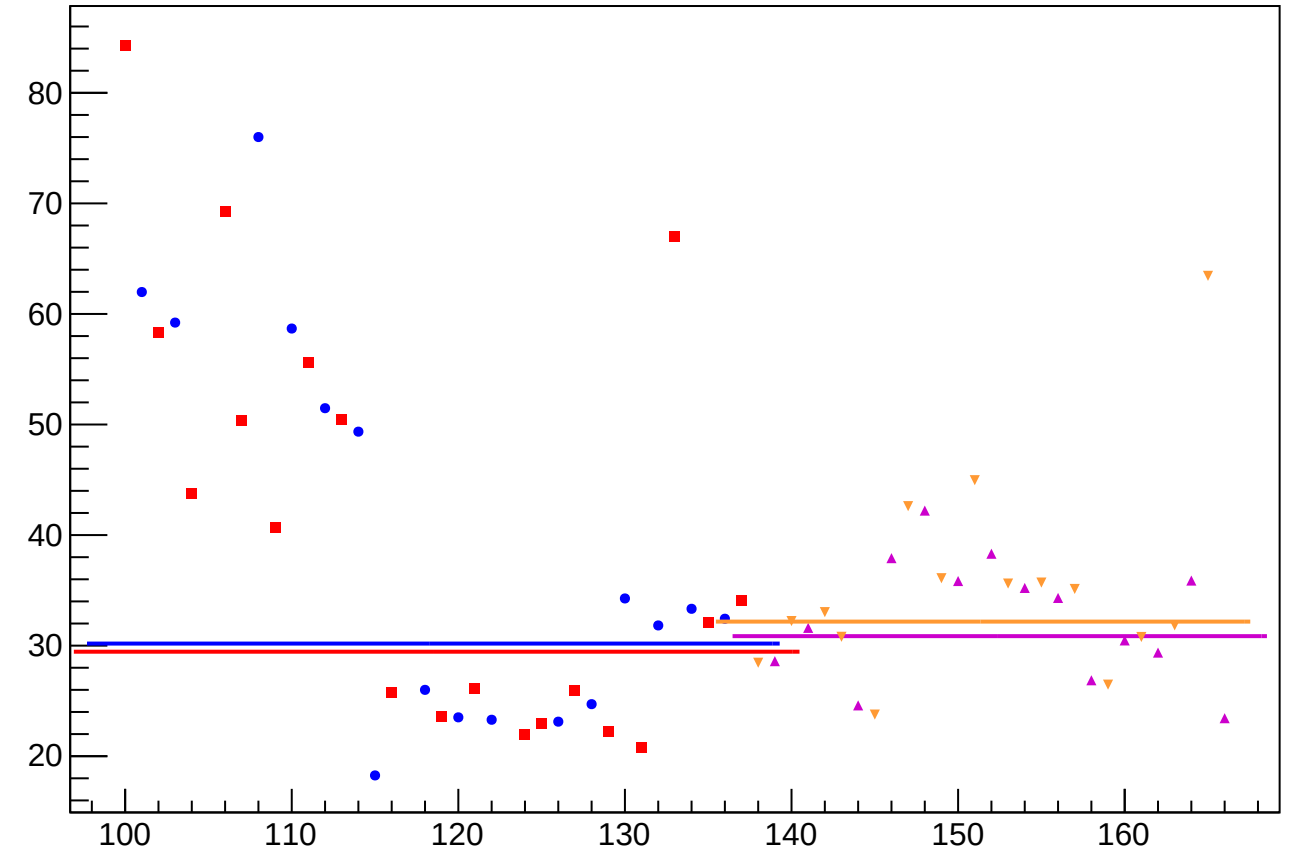
Left: -0.010+/-0.007 χ^2/NDF: 41.4/28

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/63



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.174+/-0.007 χ^2/NDF:863841.3/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.858+/-0.007 χ^2/NDF:599593.9/13

Left: 31.501+/-0.005 χ^2/NDF: 1482496.8/28

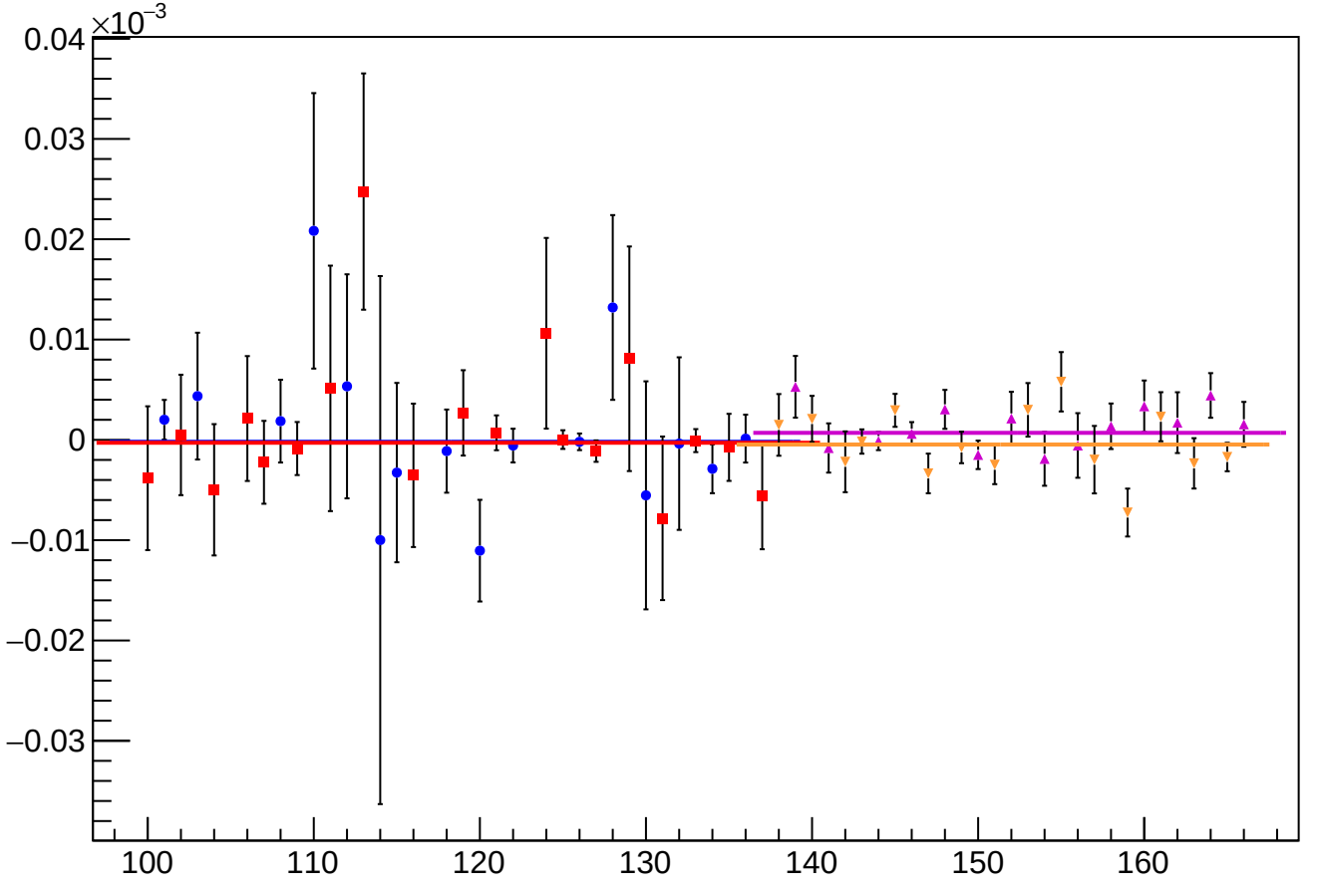
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.610+/-0.005 χ^2/NDF:2290736.6/29

Out: 31.086+/-0.005 χ^2/NDF:2776223.5/33

All: 30.848+/-0.004 χ^2/NDF: 5071018.0/63

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/13

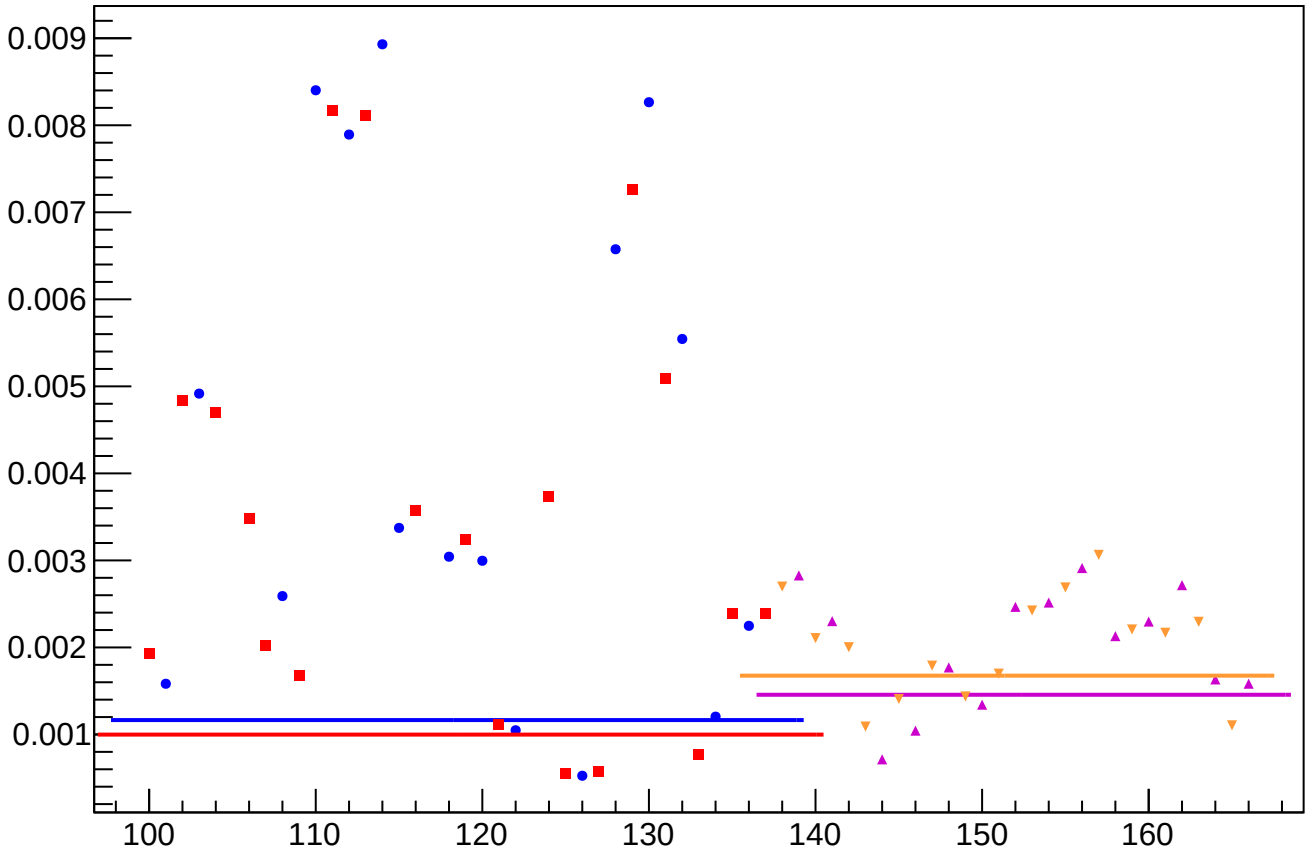
Left: 0.000+/-0.000 χ^2/NDF: 42.1/28

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:27.2/29

Out: -0.000+/-0.000 χ^2/NDF:38.1/33

All: -0.000+/-0.000 χ^2/NDF: 67.2/63



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2244201.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4046553.8/13

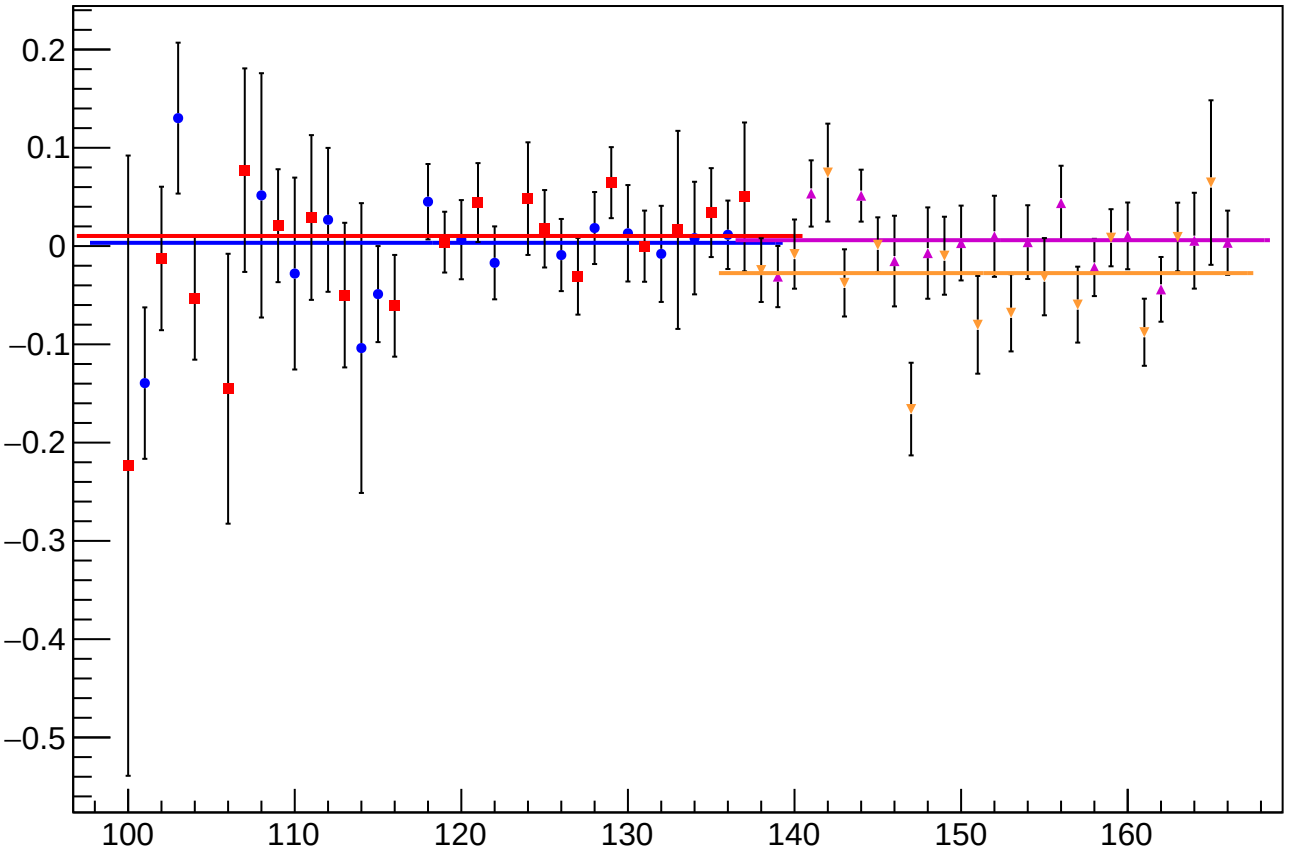
Left: 0.002+/-0.000 χ^2/NDF: 6481368.0/28

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11203582.0/29

Out: 0.001+/-0.000 χ^2/NDF:10876363.6/33

All: 0.001+/-0.000 χ^2/NDF: 22080077.2/63



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

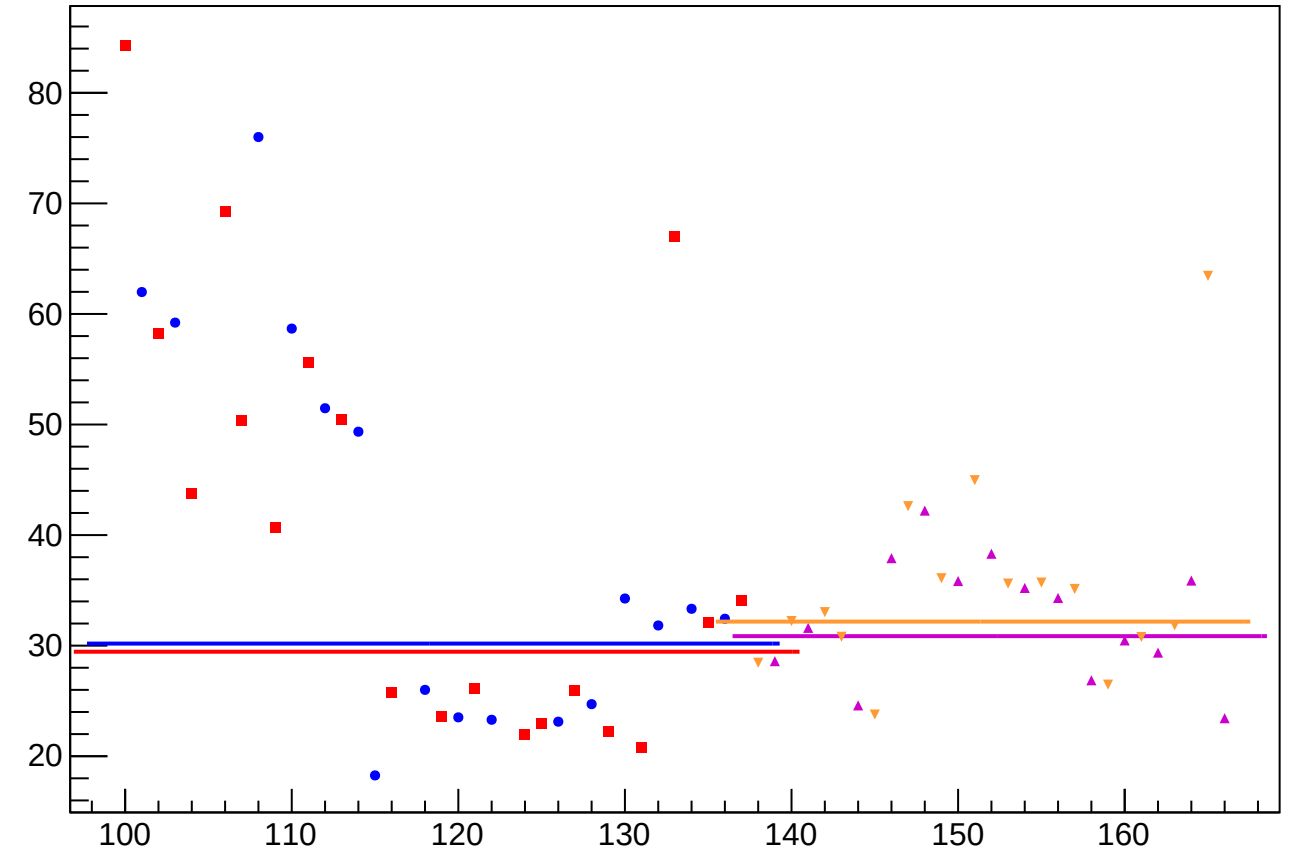
Left: -0.010+/-0.007 χ^2/NDF: 41.4/28

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/63



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.174+/-0.007 χ^2/NDF:863810.6/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.859+/-0.007 χ^2/NDF:599620.6/13

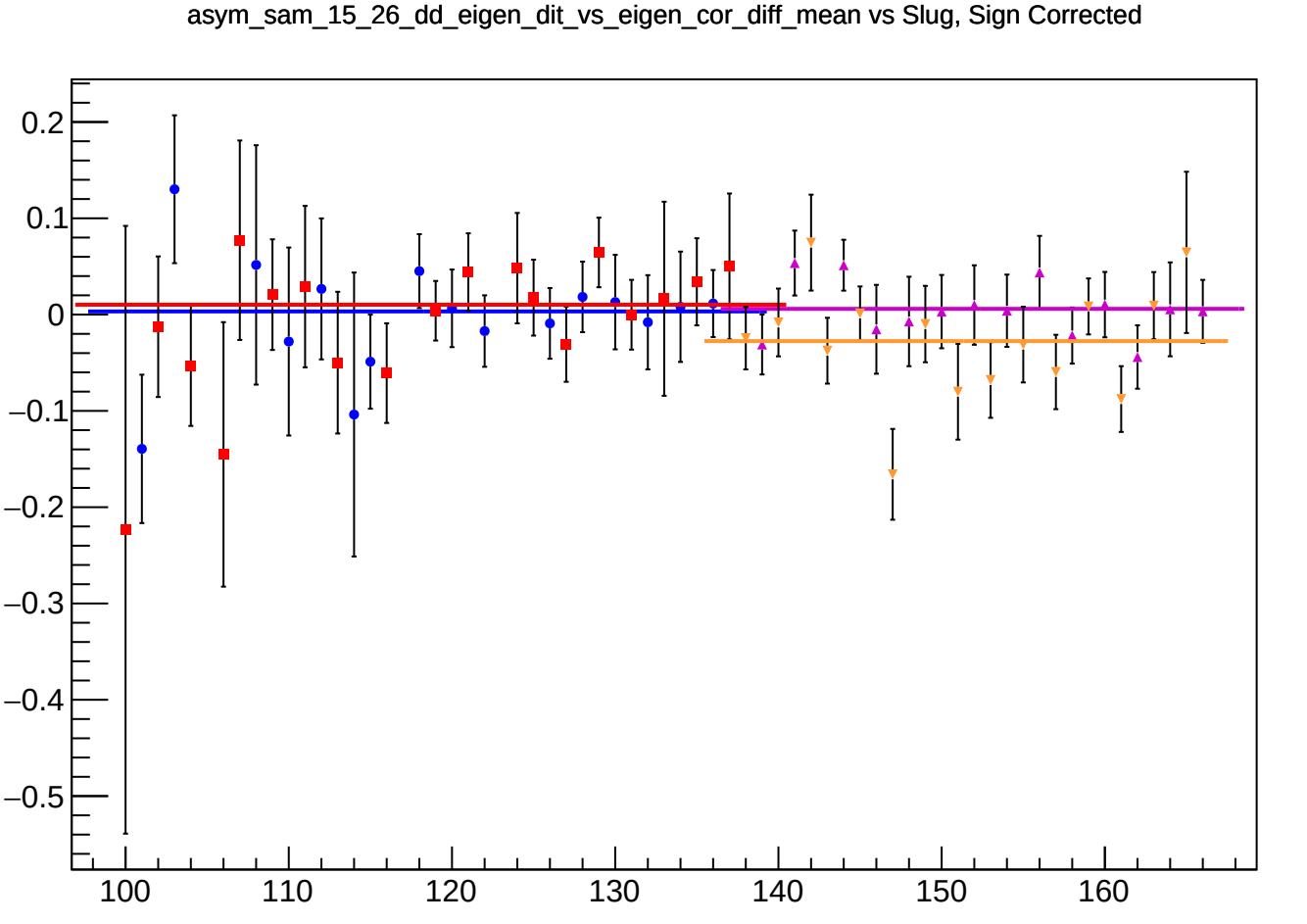
Left: 31.501+/-0.005 χ^2/NDF: 1482497.0/28

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.610+/-0.005 χ^2/NDF:2290578.5/29

Out: 31.086+/-0.005 χ^2/NDF:2776227.8/33

All: 30.848+/-0.004 χ^2/NDF: 5070861.0/63



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.009 χ^2/NDF:10.9/13

Left: -0.010+/-0.007 χ^2/NDF: 41.4/28

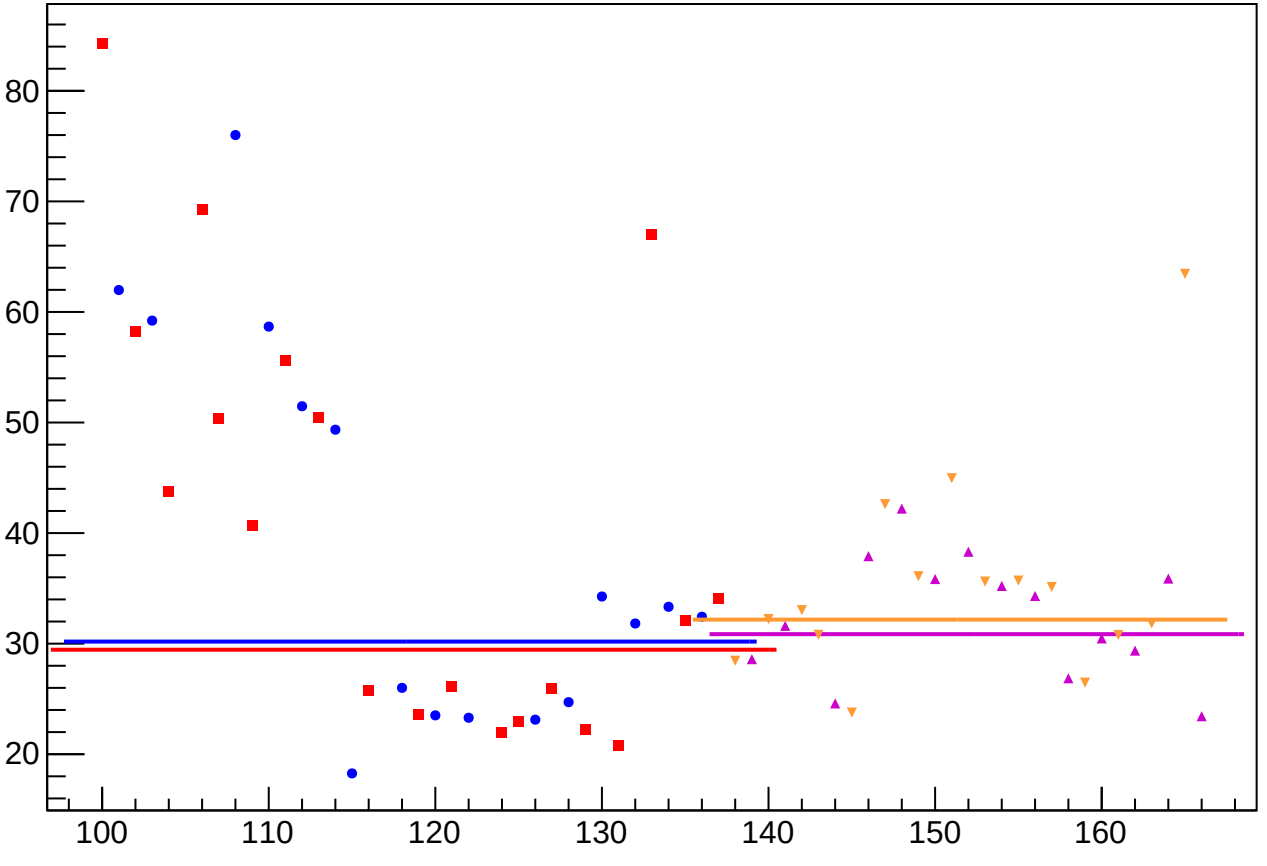
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.007 χ^2/NDF:21.0/29

Out: -0.012+/-0.007 χ^2/NDF:41.7/33

All: -0.004+/-0.005 χ^2/NDF: 65.4/63

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.174+/-0.007 χ^2/NDF:863810.6/14

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.859+/-0.007 χ^2/NDF:599620.6/13

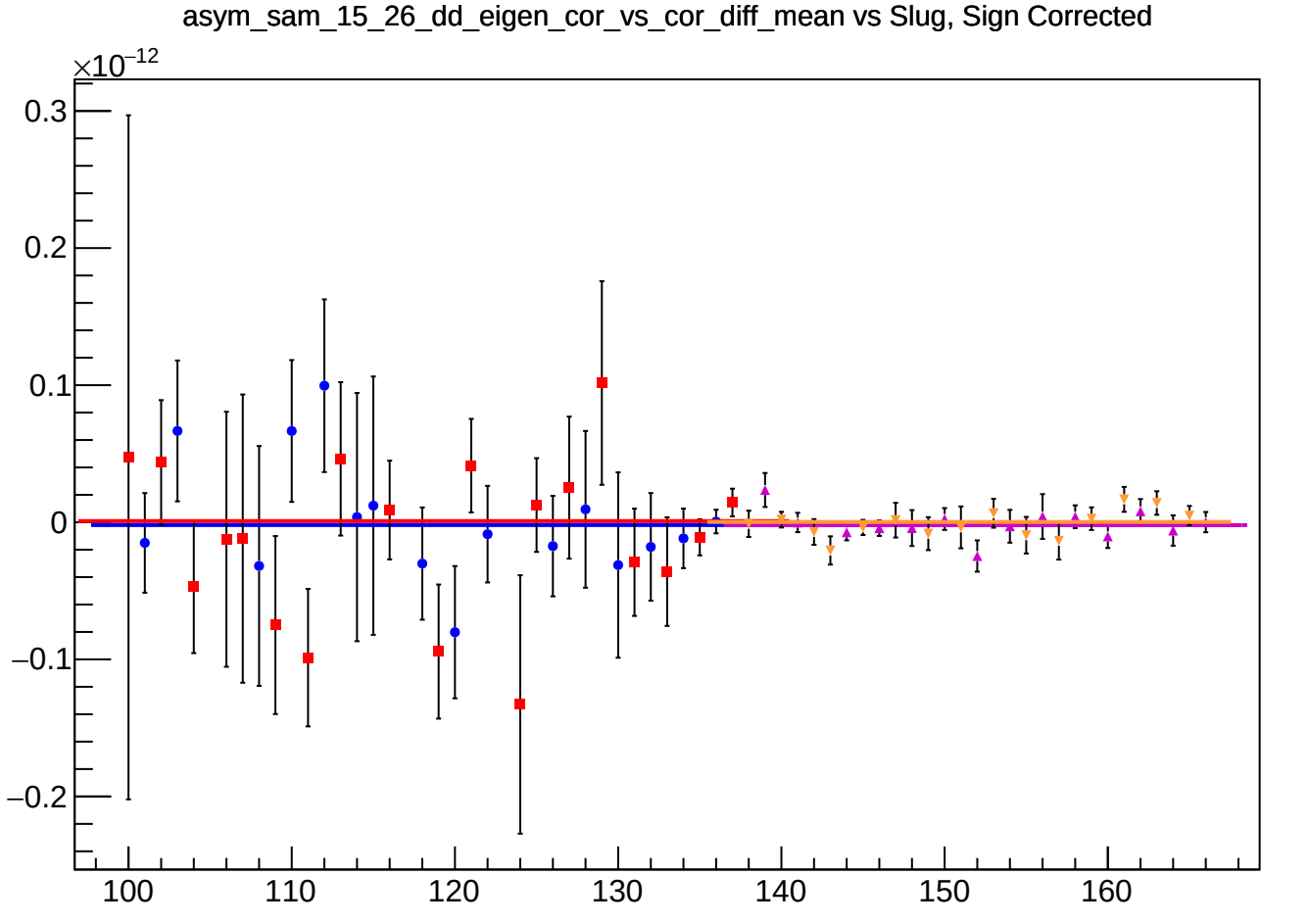
Left: 31.501+/-0.005 χ^2/NDF: 1482497.0/28

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.610+/-0.005 χ^2/NDF:2290578.5/29

Out: 31.086+/-0.005 χ^2/NDF:2776227.8/33

All: 30.848+/-0.004 χ^2/NDF: 5070861.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/13

Left: -0.000+/-0.000 χ^2/NDF: 27.4/28

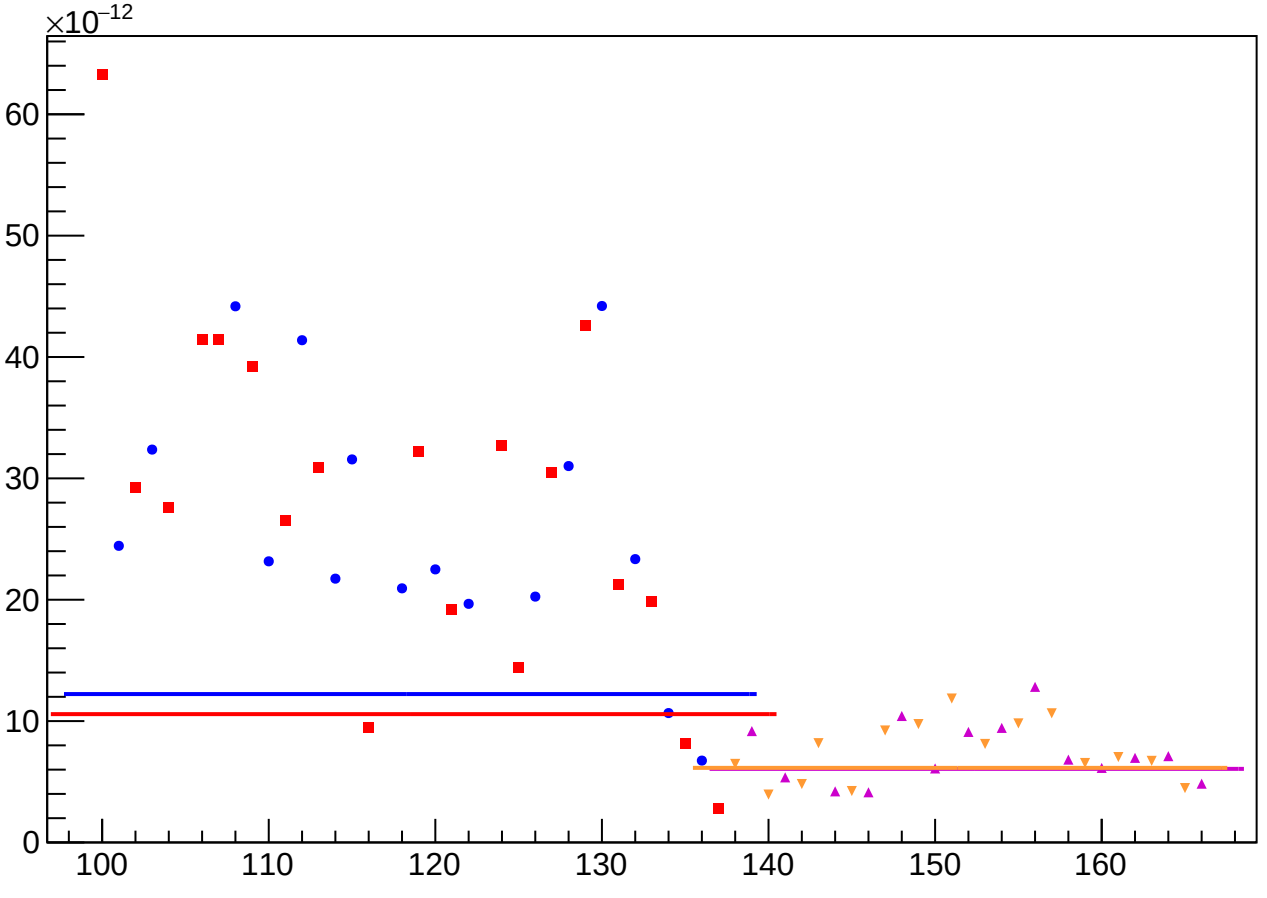
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.1/29

Out: 0.000+/-0.000 χ^2/NDF:35.6/33

All: -0.000+/-0.000 χ^2/NDF: 59.3/63

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1817830.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1554927.6/13

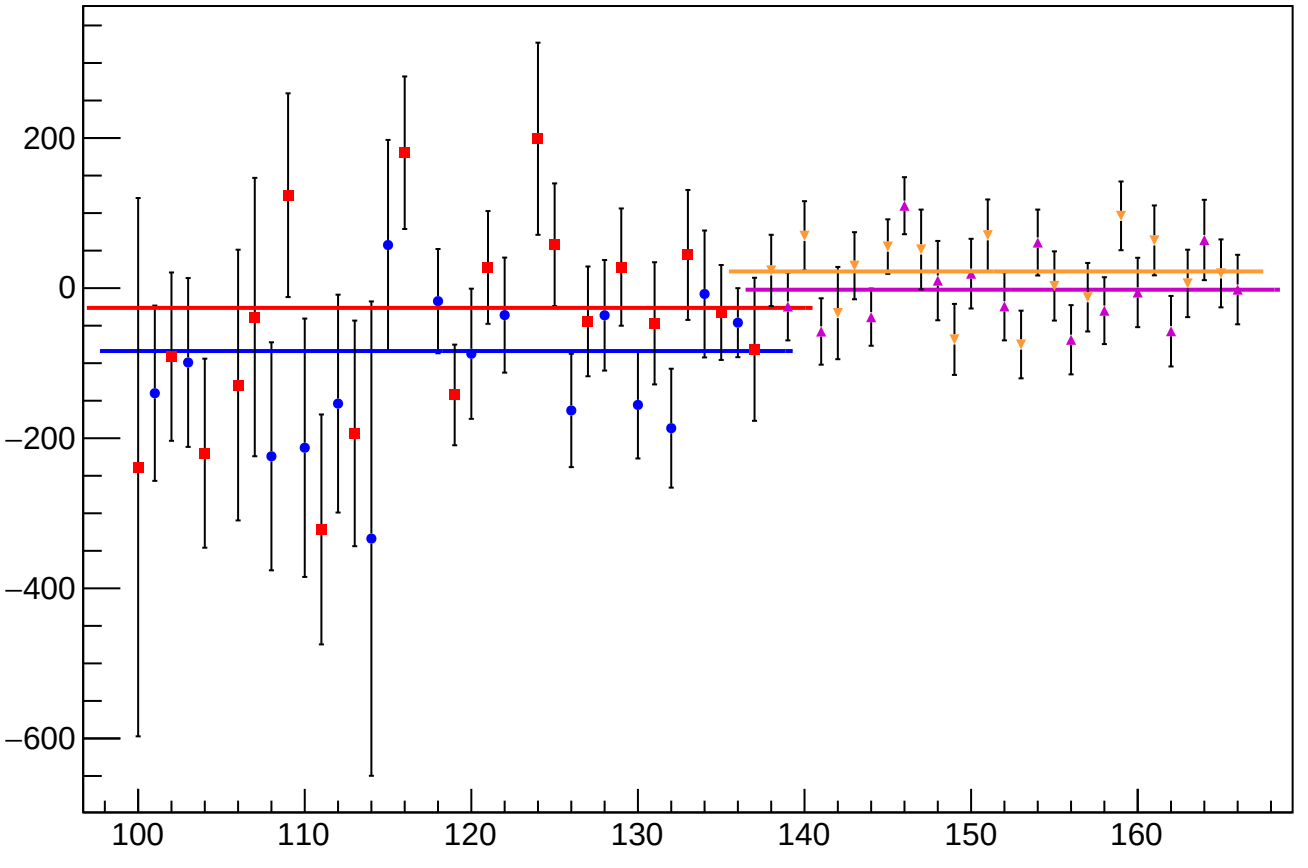
Left: 0.000+/-0.000 χ^2/NDF: 3374059.4/28

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6464156.9/29

Out: 0.000+/-0.000 χ^2/NDF:7379583.2/33

All: 0.000+/-0.000 χ^2/NDF: 13844749.1/63



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.252+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

Left: 10.186+/-8.464 χ^2/NDF: 38.1/28

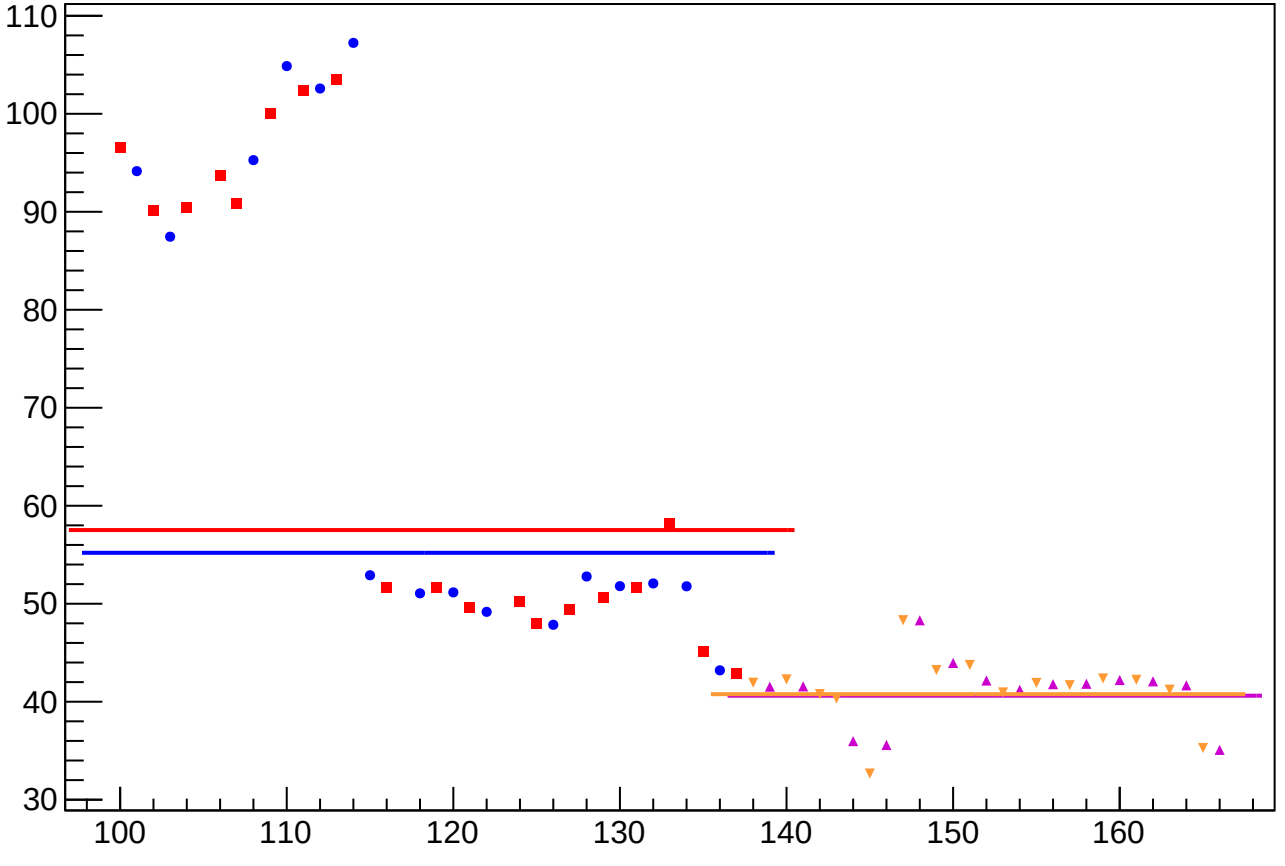
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 11.286+/-10.487 χ^2/NDF:43.4/33

All: -5.182+/-7.415 χ^2/NDF: 89.3/63

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.2/13

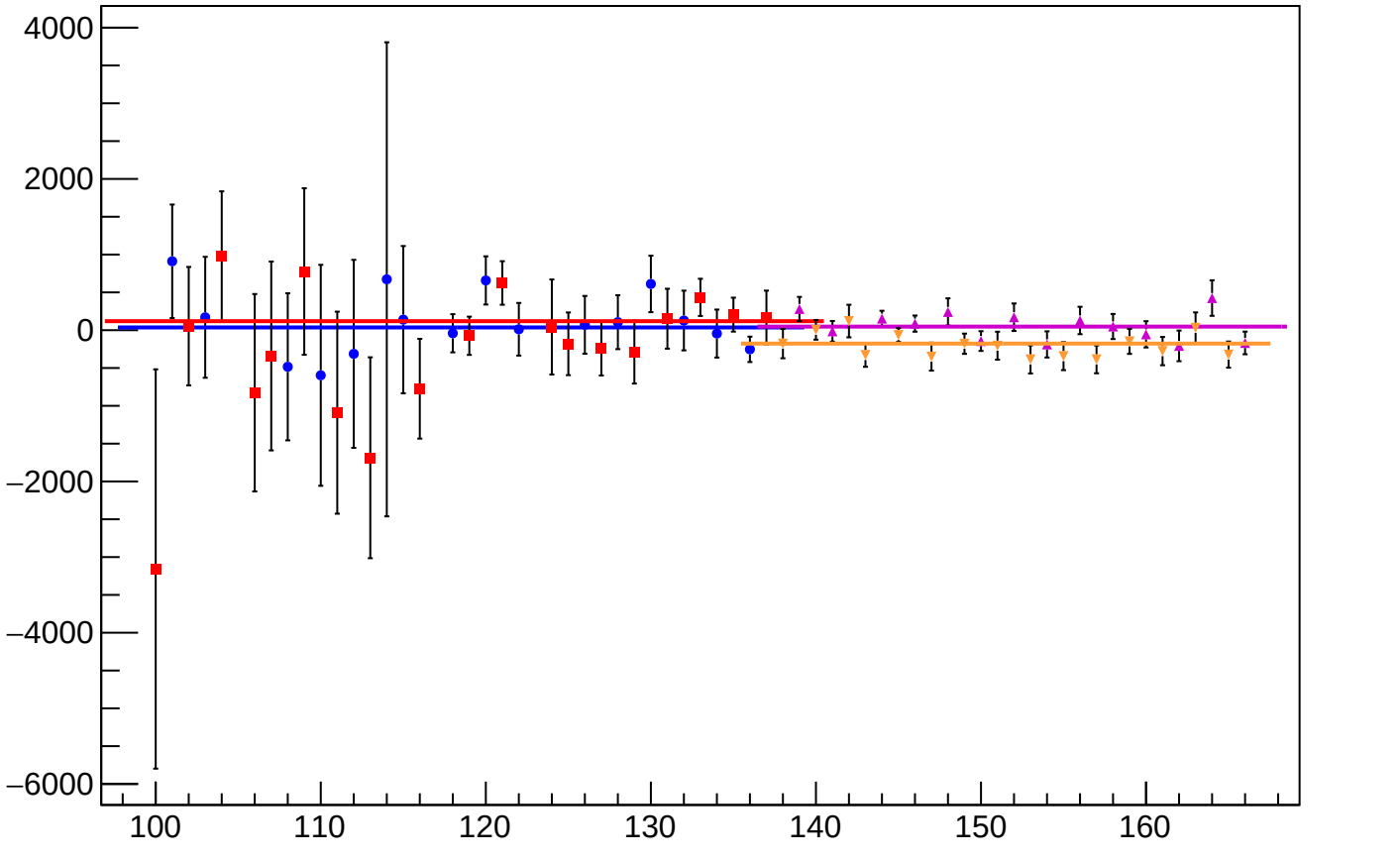
Left: 40.694+/-0.006 χ^2/NDF: 351111.9/28

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.104+/-0.007 χ^2/NDF:2015095.5/29

Out: 44.554+/-0.007 χ^2/NDF:2366266.7/33

All: 44.329+/-0.005 χ^2/NDF: 4383203.2/63



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.513+/-41.100 χ^2/NDF:12.6/14

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

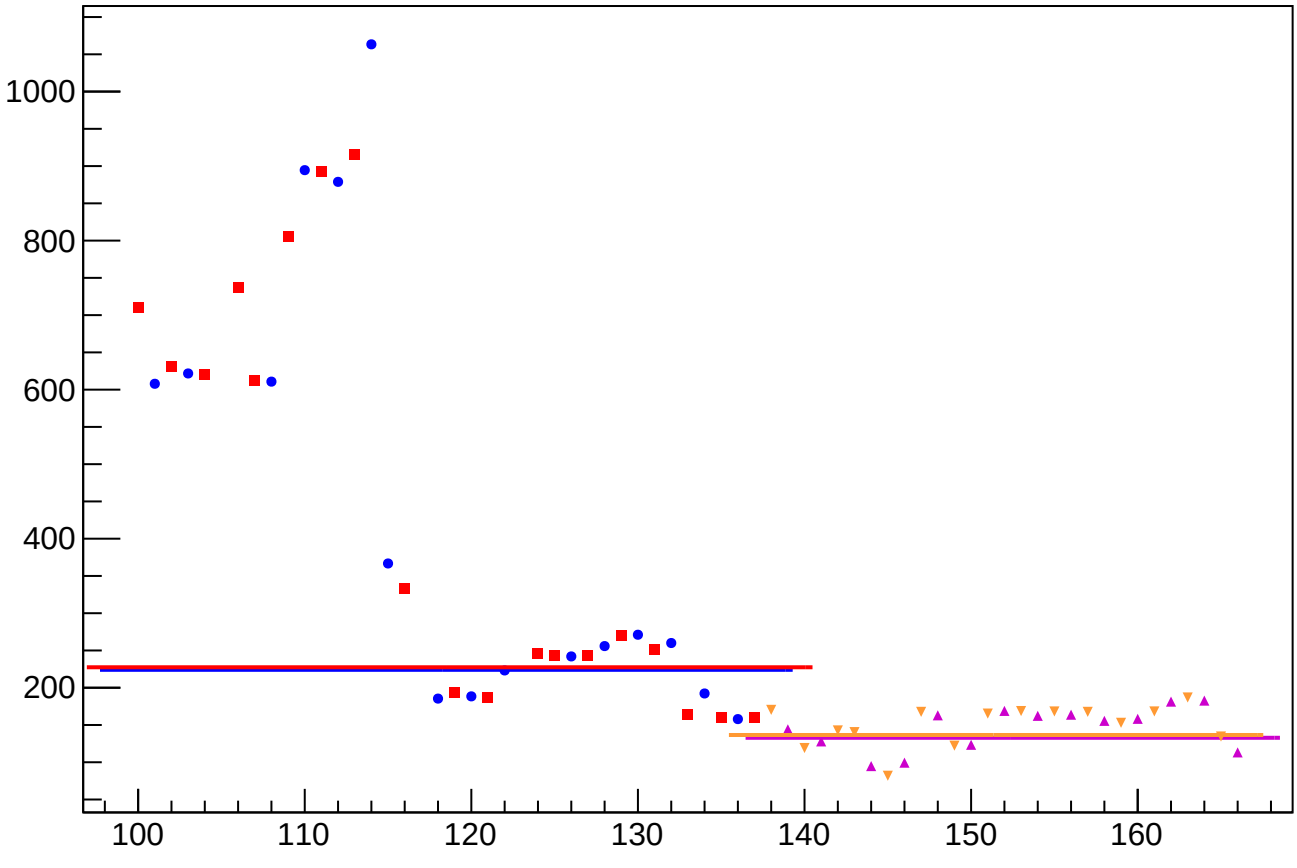
Left: -63.037+/-28.792 χ^2/NDF: 43.8/28

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -131.422+/-37.773 χ^2/NDF:36.8/33

All: -41.217+/-26.450 χ^2/NDF: 75.3/63



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313588.1/14

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 132.828+/-0.029 χ^2/NDF:1058708.3/13

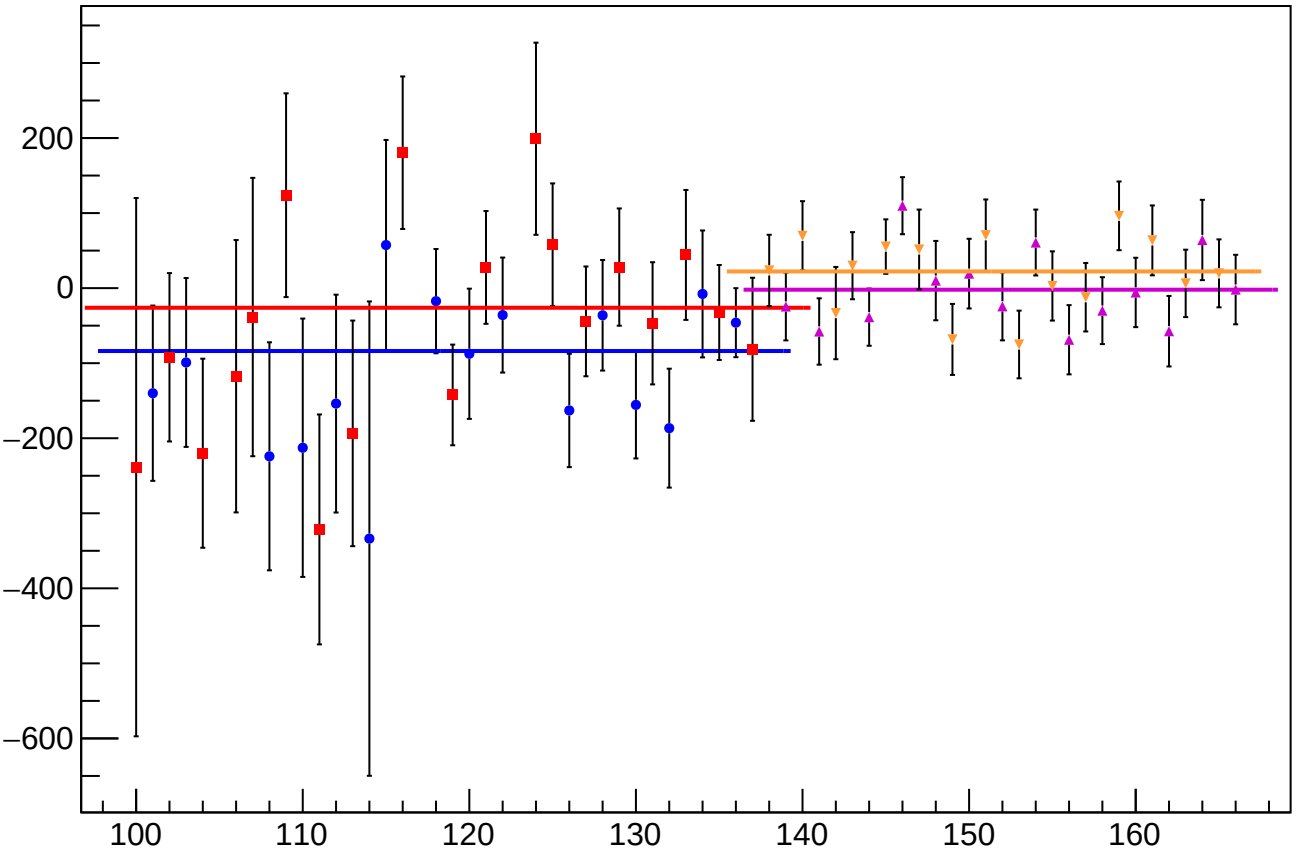
Left: 134.667+/-0.020 χ^2/NDF: 2380758.5/28

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 147.130+/-0.026 χ^2/NDF:5629549.3/29

Out: 150.692+/-0.027 χ^2/NDF:6473275.1/33

All: 148.877+/-0.019 χ^2/NDF: 12111892.5/63



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

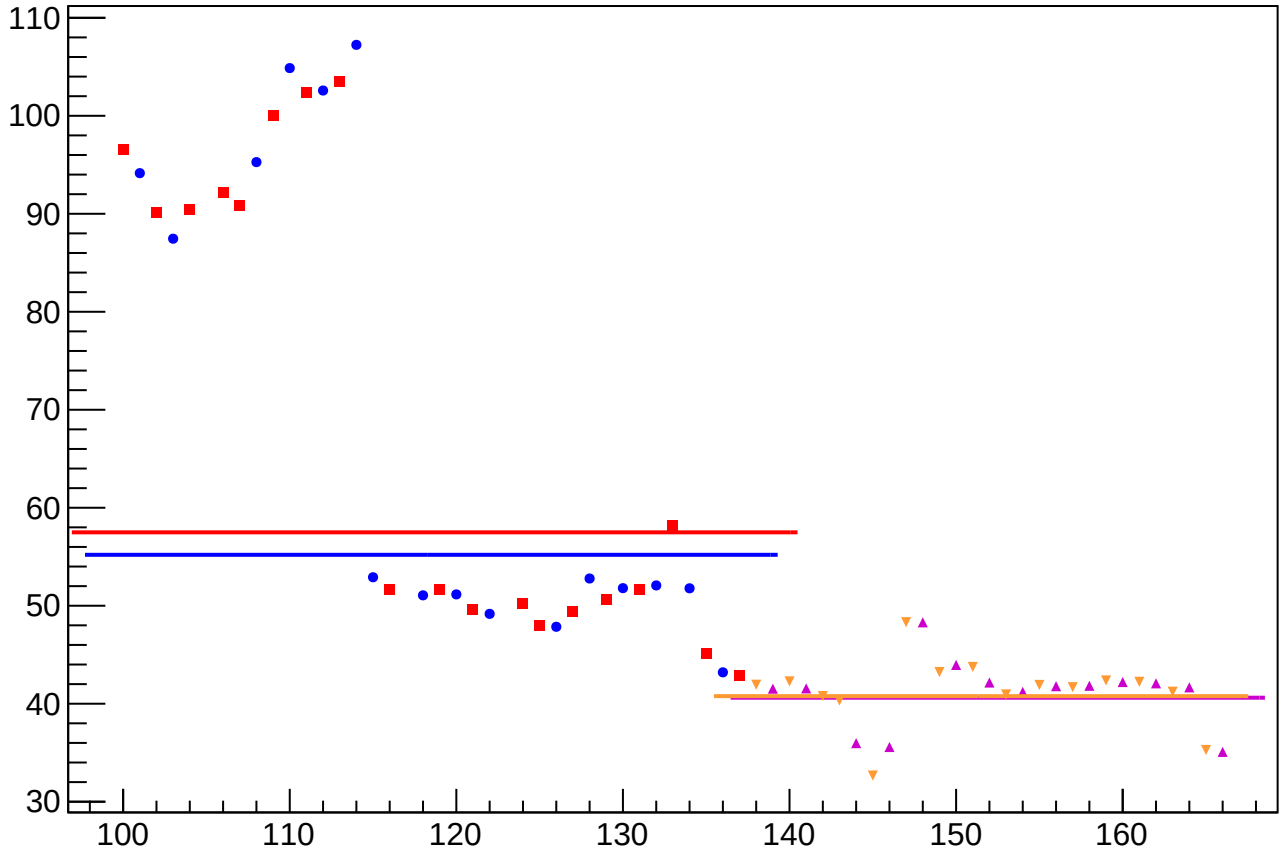
Left: 10.187+/-8.464 χ^2/NDF: 38.1/28

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 11.324+/-10.487 χ^2/NDF:43.3/33

All: -5.163+/-7.415 χ^2/NDF: 89.2/63



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.3/13

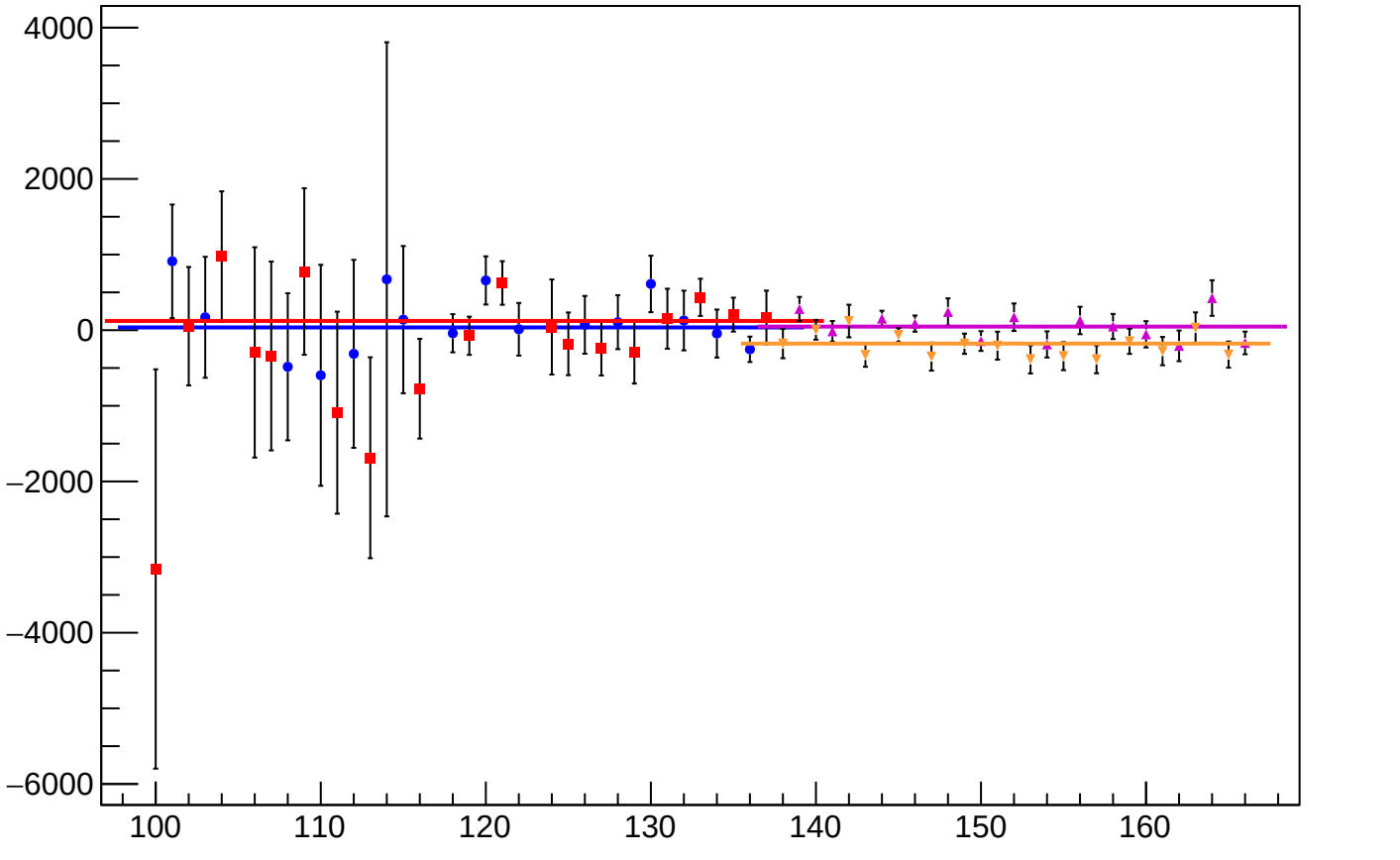
Left: 40.694+/-0.006 χ^2/NDF: 351112.0/28

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.104+/-0.007 χ^2/NDF:2015095.7/29

Out: 44.547+/-0.007 χ^2/NDF:2355656.6/33

All: 44.326+/-0.005 χ^2/NDF: 4372535.7/63



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

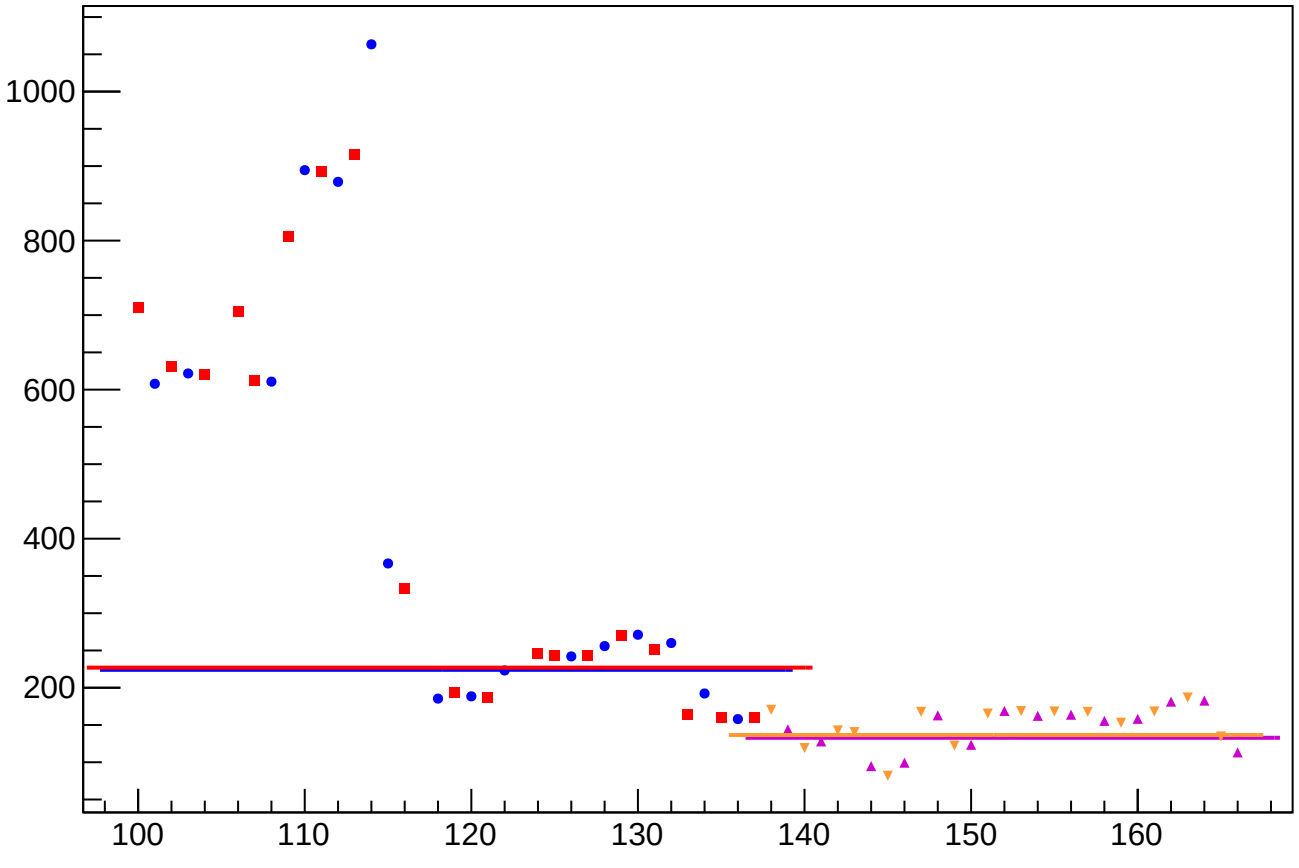
Left: -63.038+/-28.792 χ^2/NDF: 43.8/28

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -130.964+/-37.775 χ^2/NDF:36.5/33

All: -40.988+/-26.450 χ^2/NDF: 75.0/63



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.828+/-0.029 χ^2/NDF:1058711.7/13

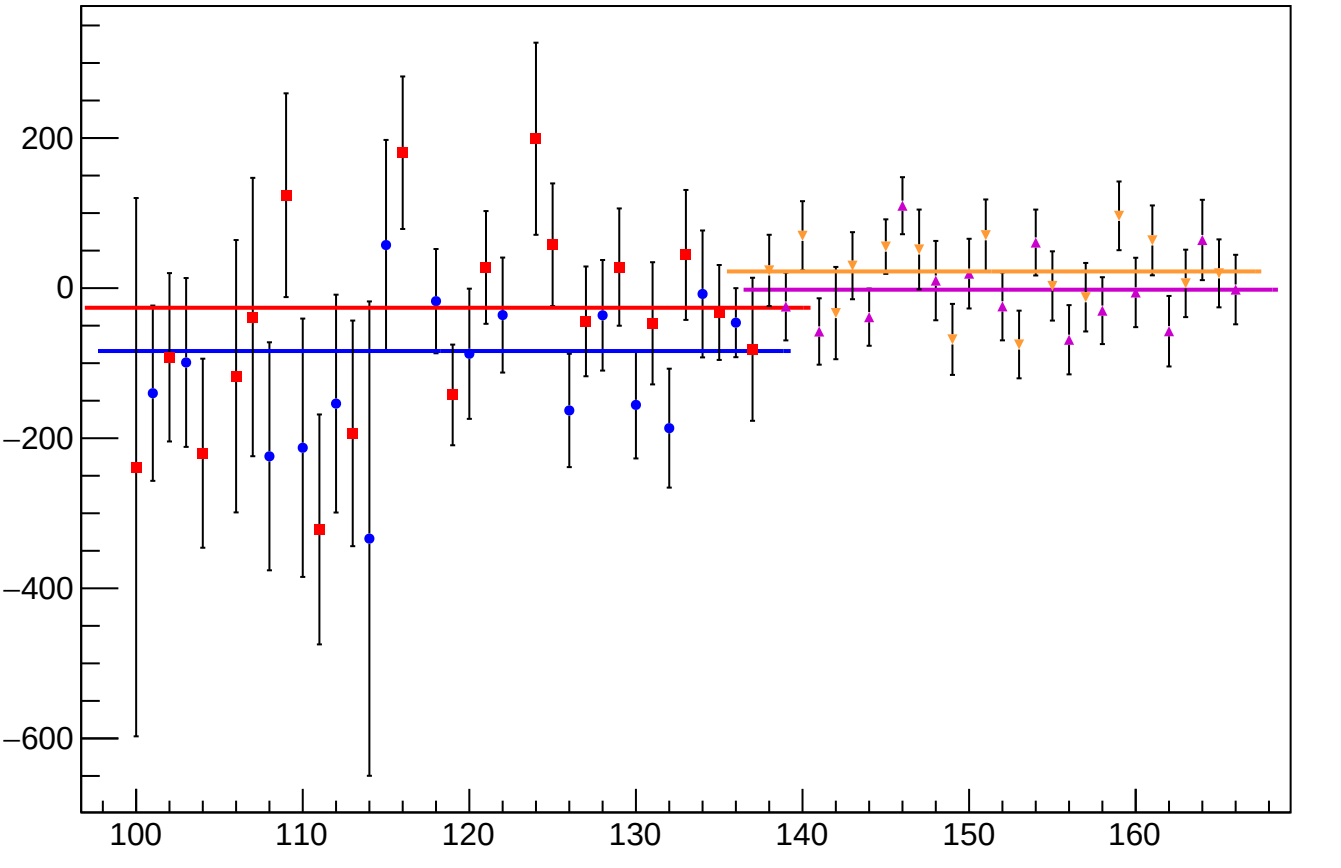
Left: 134.667+/-0.020 χ^2/NDF: 2380765.3/28

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.130+/-0.026 χ^2/NDF:5629562.9/29

Out: 150.610+/-0.027 χ^2/NDF:6387762.9/33

All: 148.836+/-0.019 χ^2/NDF: 12025979.6/63



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.088+/-12.022 χ^2/NDF:19.4/13

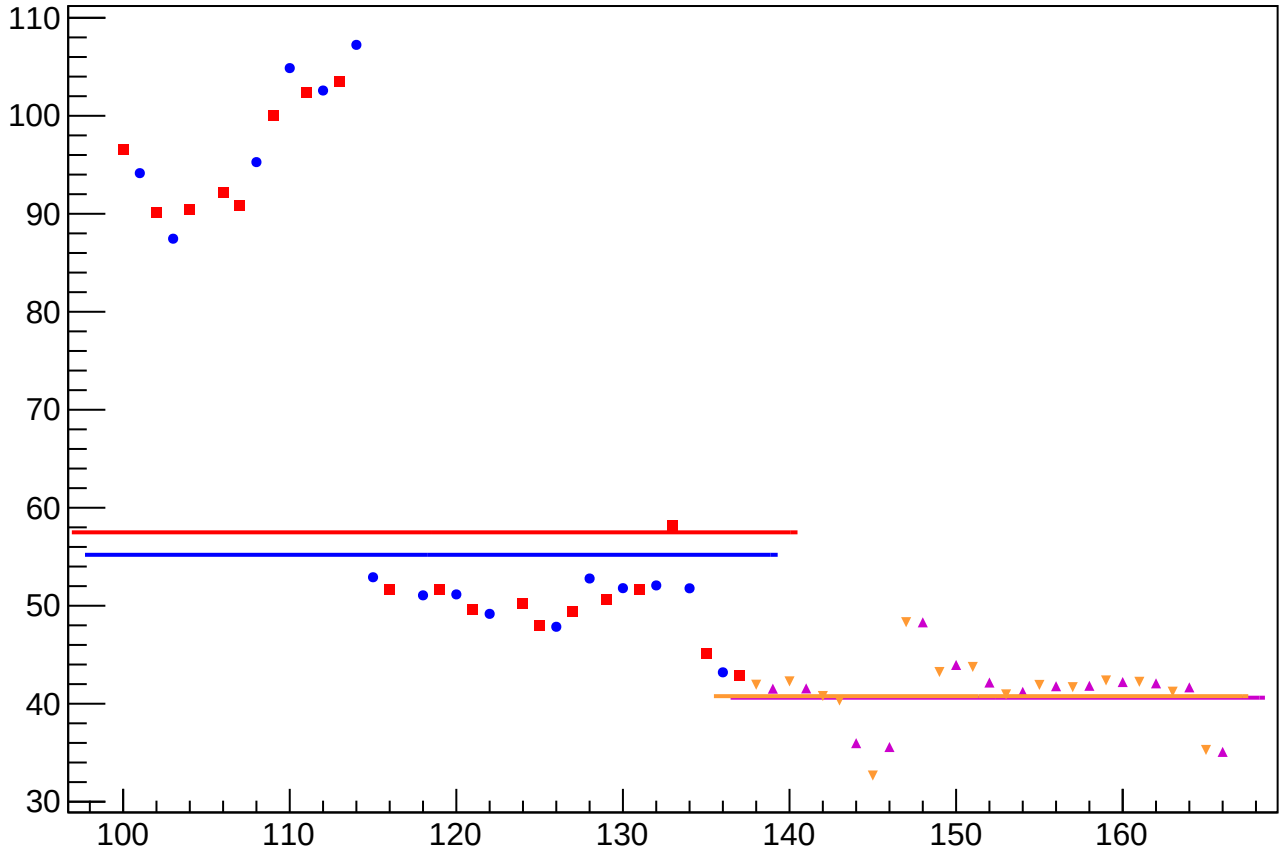
Left: 10.187+/-8.464 χ^2/NDF: 38.1/28

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -21.642+/-10.485 χ^2/NDF:41.0/29

Out: 11.324+/-10.487 χ^2/NDF:43.3/33

All: -5.163+/-7.415 χ^2/NDF: 89.2/63



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.615+/-0.009 χ^2/NDF:158275.3/13

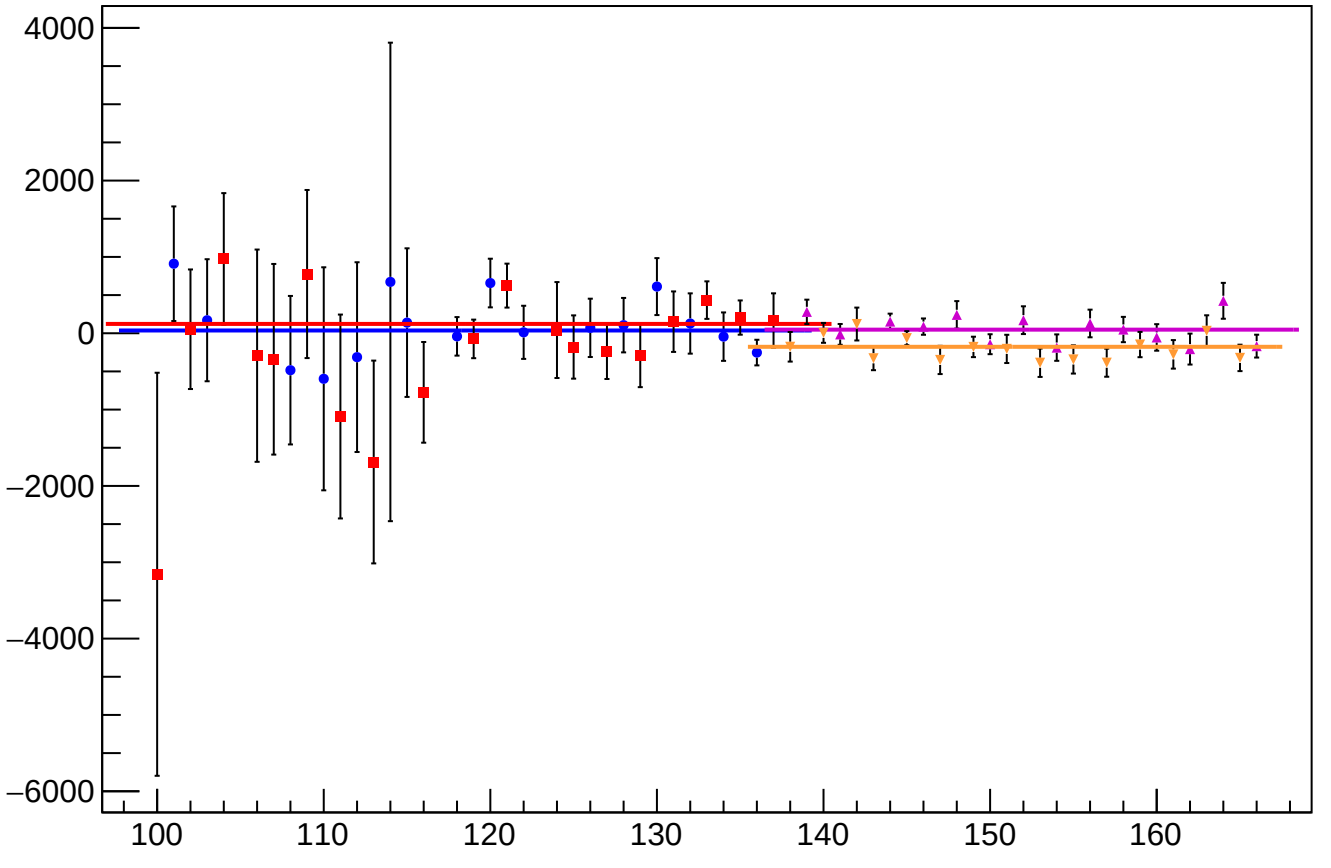
Left: 40.694+/-0.006 χ^2/NDF: 351112.0/28

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.104+/-0.007 χ^2/NDF:2015095.7/29

Out: 44.547+/-0.007 χ^2/NDF:2355656.6/33

All: 44.326+/-0.005 χ^2/NDF: 4372535.7/63



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 47.277+/-40.346 χ^2/NDF:15.9/13

Left: -63.038+/-28.792 χ^2/NDF: 43.8/28

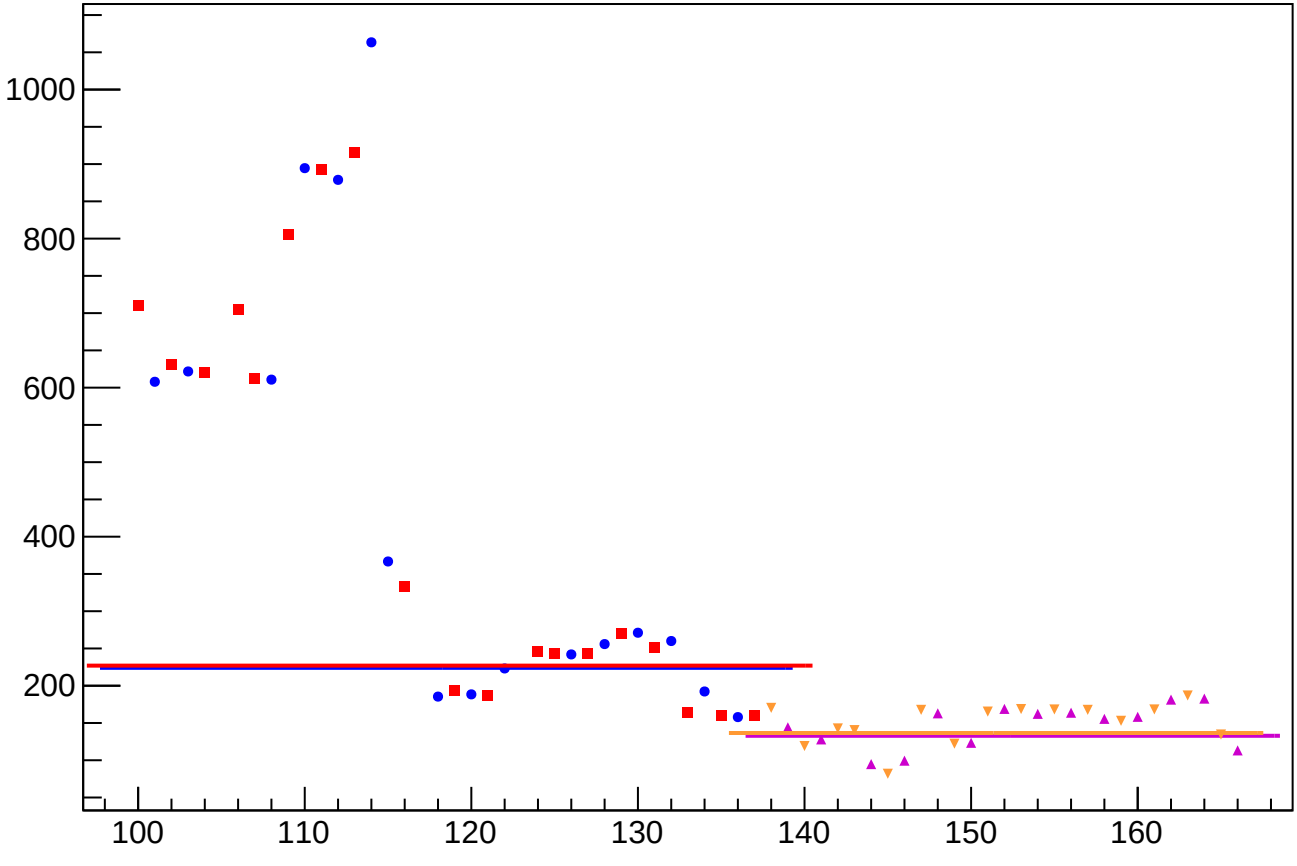
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 45.560+/-37.048 χ^2/NDF:27.3/29

Out: -130.964+/-37.775 χ^2/NDF:36.5/33

All: -40.988+/-26.450 χ^2/NDF: 75.0/63

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.828+/-0.029 χ^2/NDF:1058711.7/13

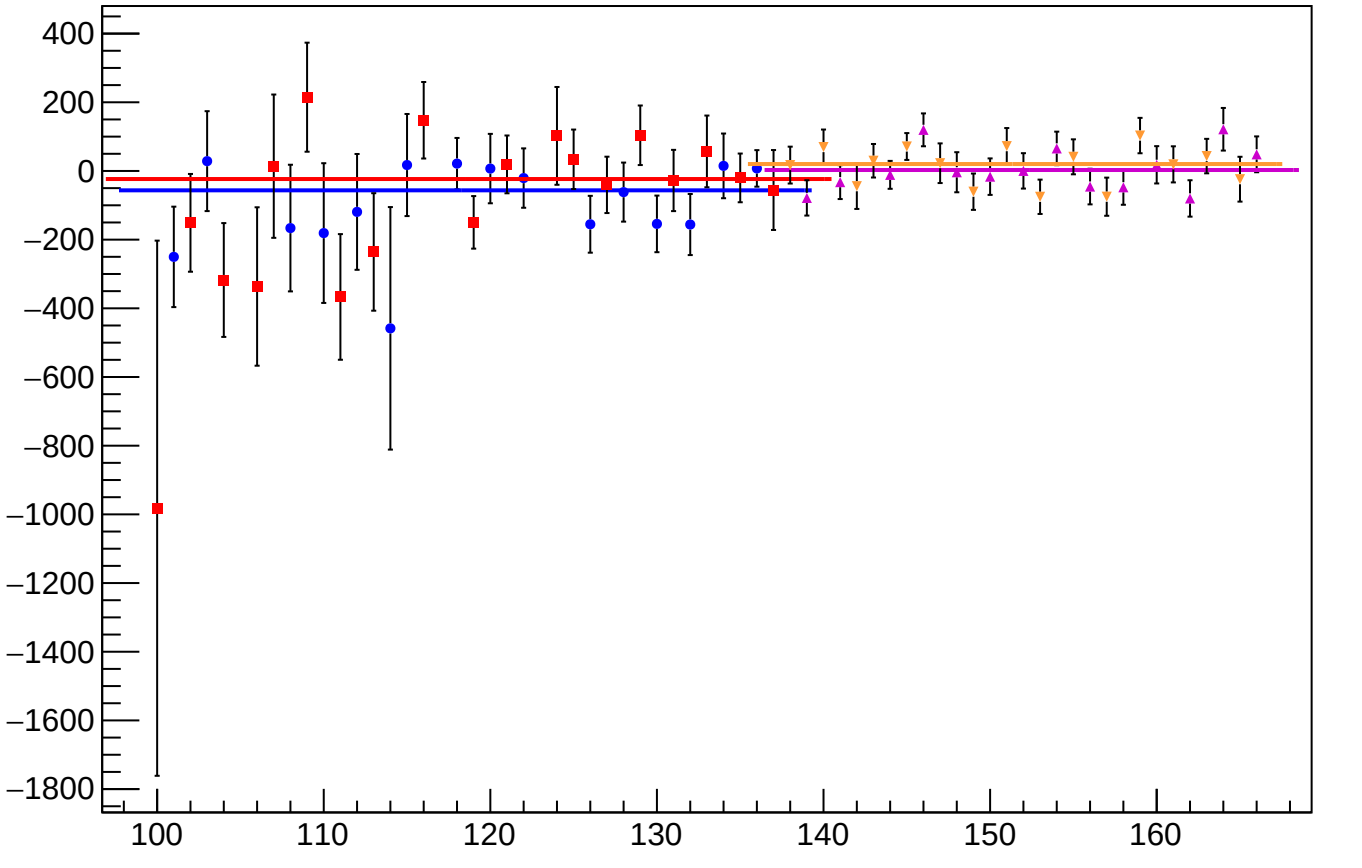
Left: 134.667+/-0.020 χ^2/NDF: 2380765.3/28

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.130+/-0.026 χ^2/NDF:5629562.9/29

Out: 150.610+/-0.027 χ^2/NDF:6387762.9/33

All: 148.836+/-0.019 χ^2/NDF: 12025979.6/63



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 2.771+/-13.667 χ^2/NDF:19.7/13

Left: 11.615+/-9.586 χ^2/NDF: 37.4/28

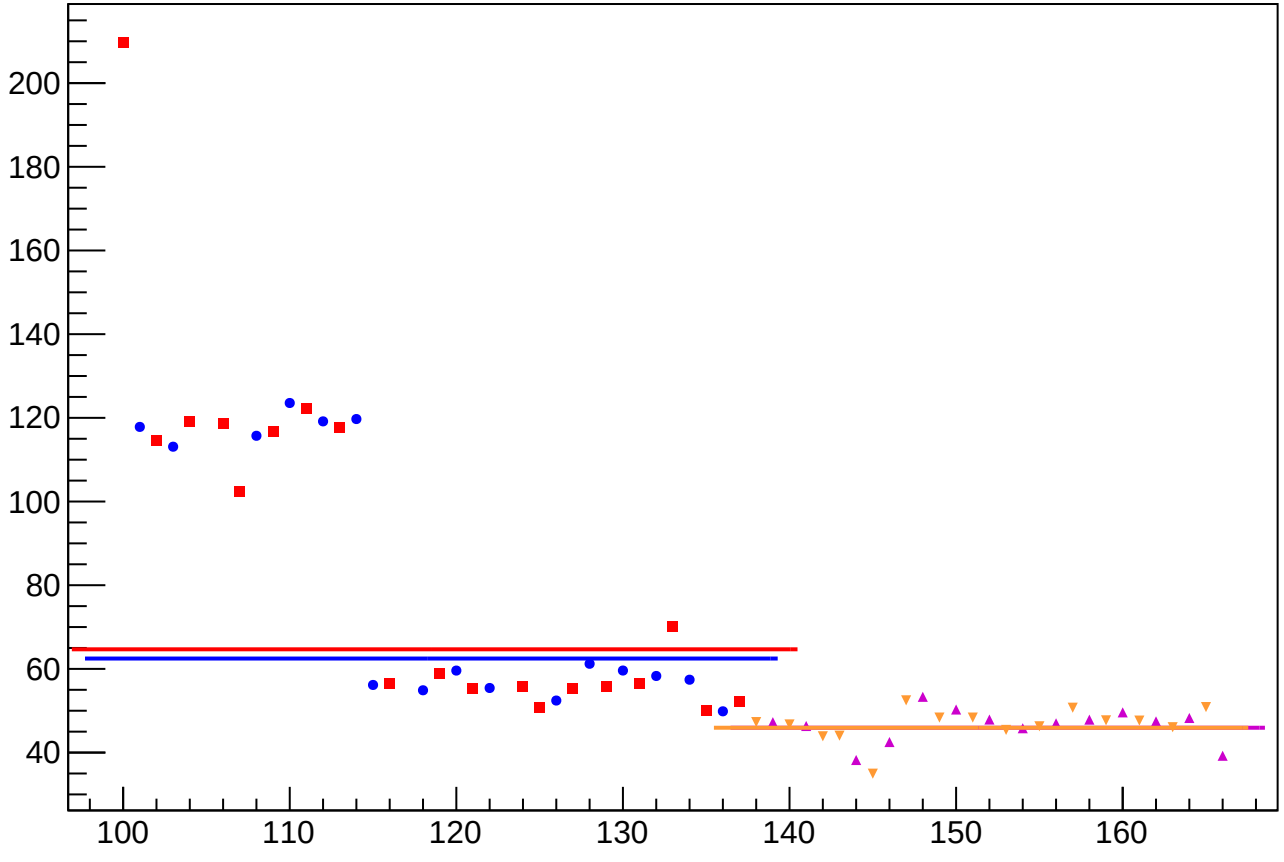
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -11.285+/-11.934 χ^2/NDF:36.4/29

Out: 10.474+/-11.860 χ^2/NDF:43.4/33

All: -0.338+/-8.412 χ^2/NDF: 81.4/63

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.934+/-0.010 χ^2/NDF:229771.8/14

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.934+/-0.010 χ^2/NDF:182389.8/13

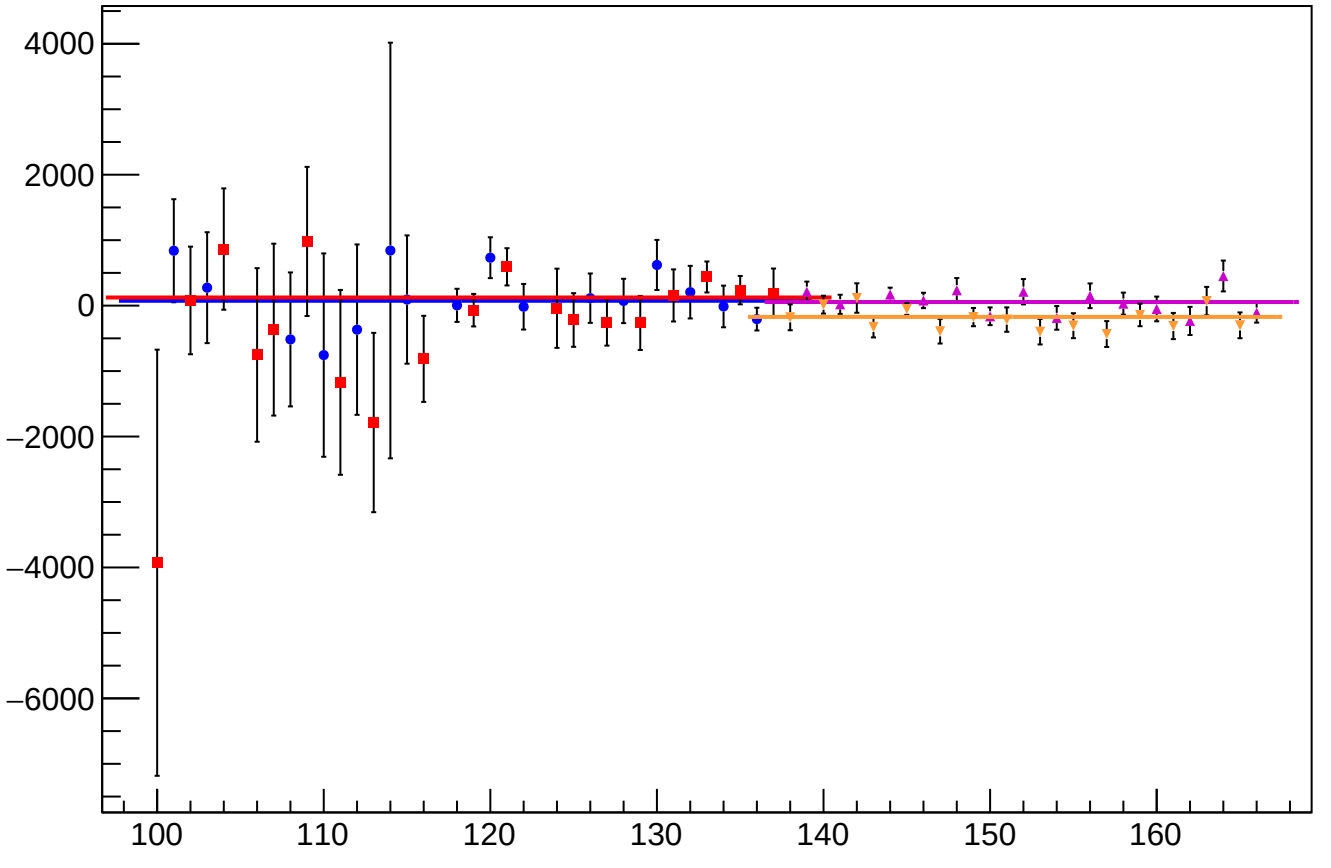
Left: 45.934+/-0.007 χ^2/NDF: 412161.6/28

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 49.863+/-0.008 χ^2/NDF:2226268.8/29

Out: 50.100+/-0.008 χ^2/NDF:2683732.4/33

All: 49.982+/-0.006 χ^2/NDF: 4910399.1/63



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -172.420+/-42.417 χ^2/NDF:13.5/14

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 55.050+/-41.983 χ^2/NDF:14.7/13

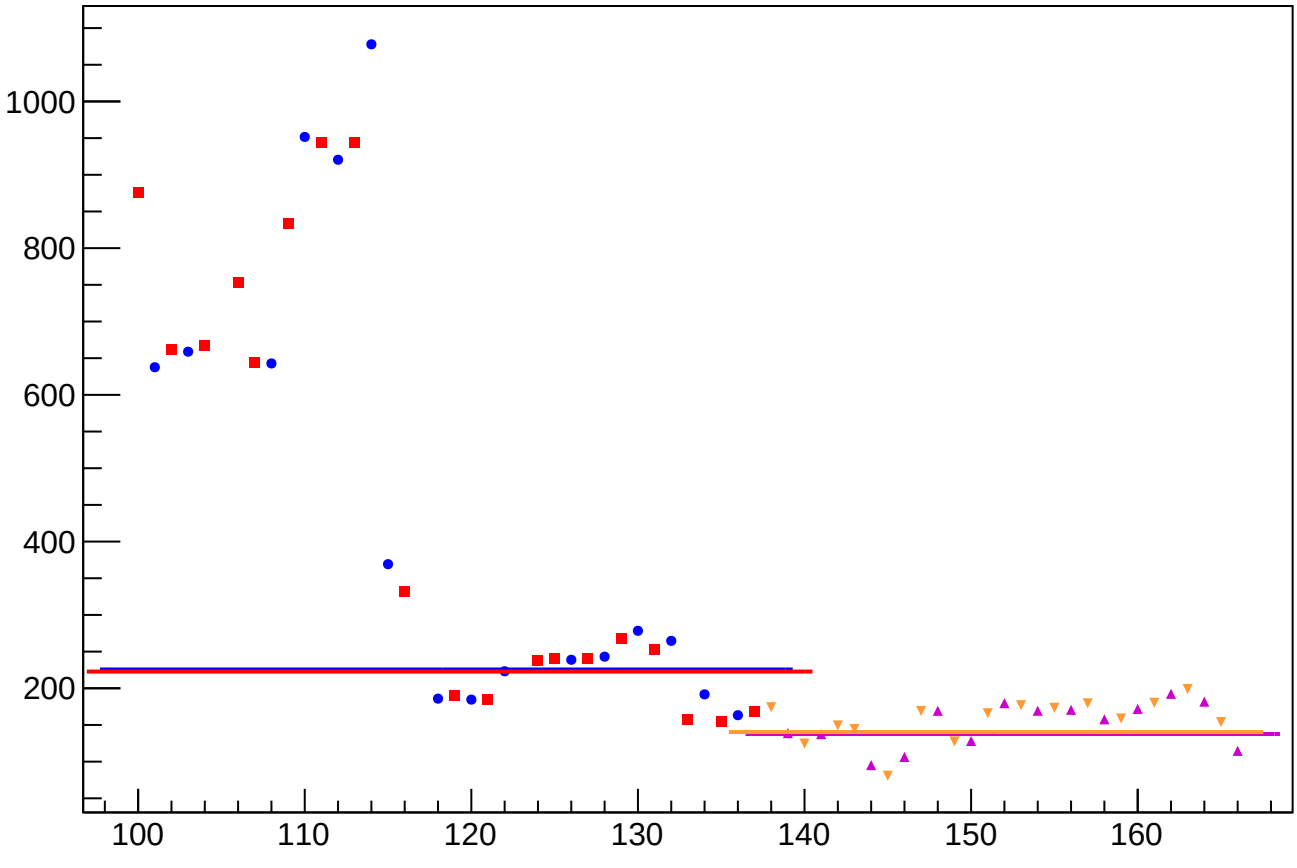
Left: -57.516+/-29.839 χ^2/NDF: 42.7/28

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 58.222+/-38.367 χ^2/NDF:25.9/29

Out: -122.824+/-38.709 χ^2/NDF:38.0/33

All: -31.497+/-27.250 χ^2/NDF: 75.0/63



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 140.324+/-0.030 χ^2/NDF:1533616.7/14

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 137.659+/-0.030 χ^2/NDF:1094645.1/13

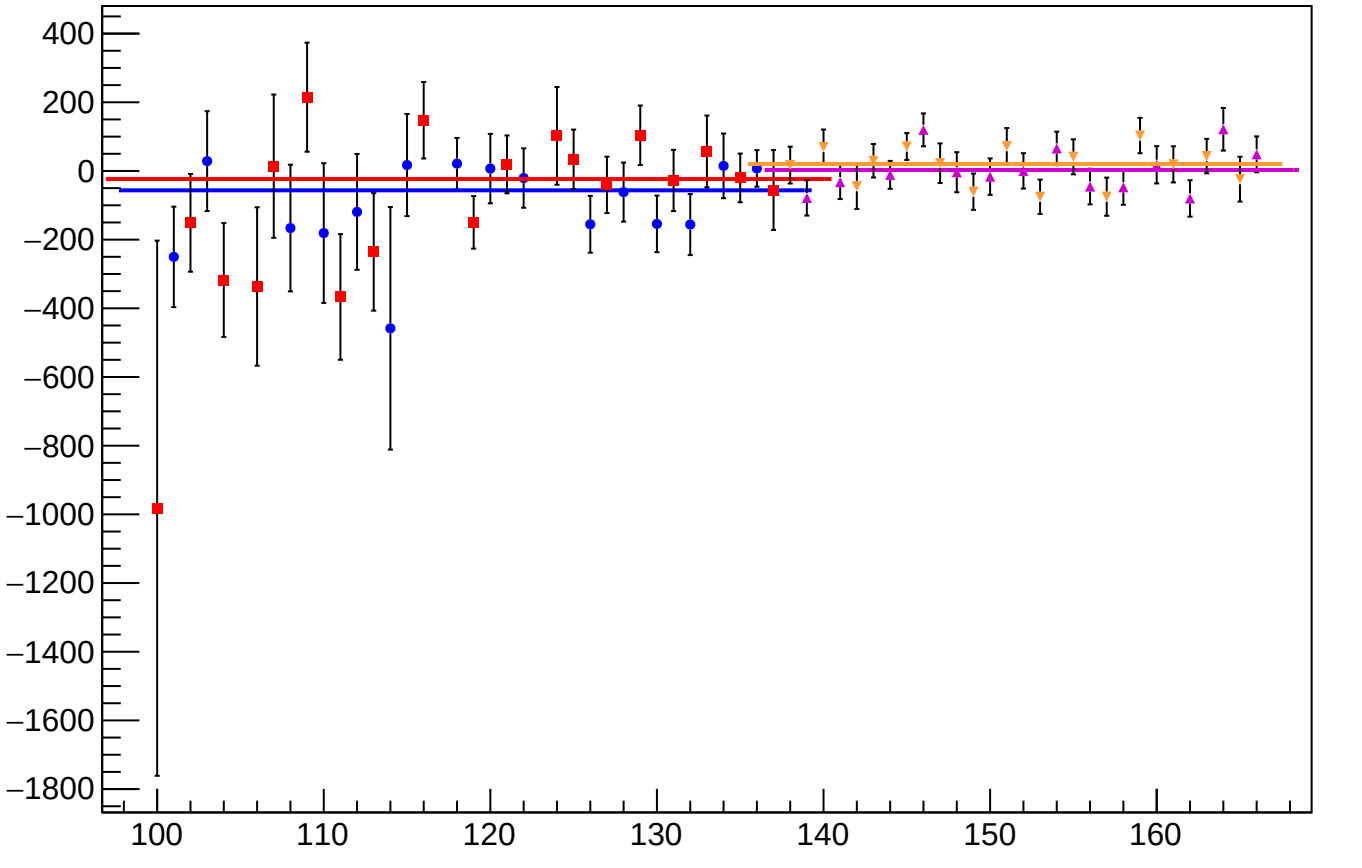
Left: 138.978+/-0.021 χ^2/NDF: 2632248.0/28

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 152.160+/-0.027 χ^2/NDF:5567817.0/29

Out: 154.111+/-0.027 χ^2/NDF:6645637.1/33

All: 153.127+/-0.019 χ^2/NDF: 12216019.2/63



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 2.772+/-13.667 χ^2/NDF:19.7/13

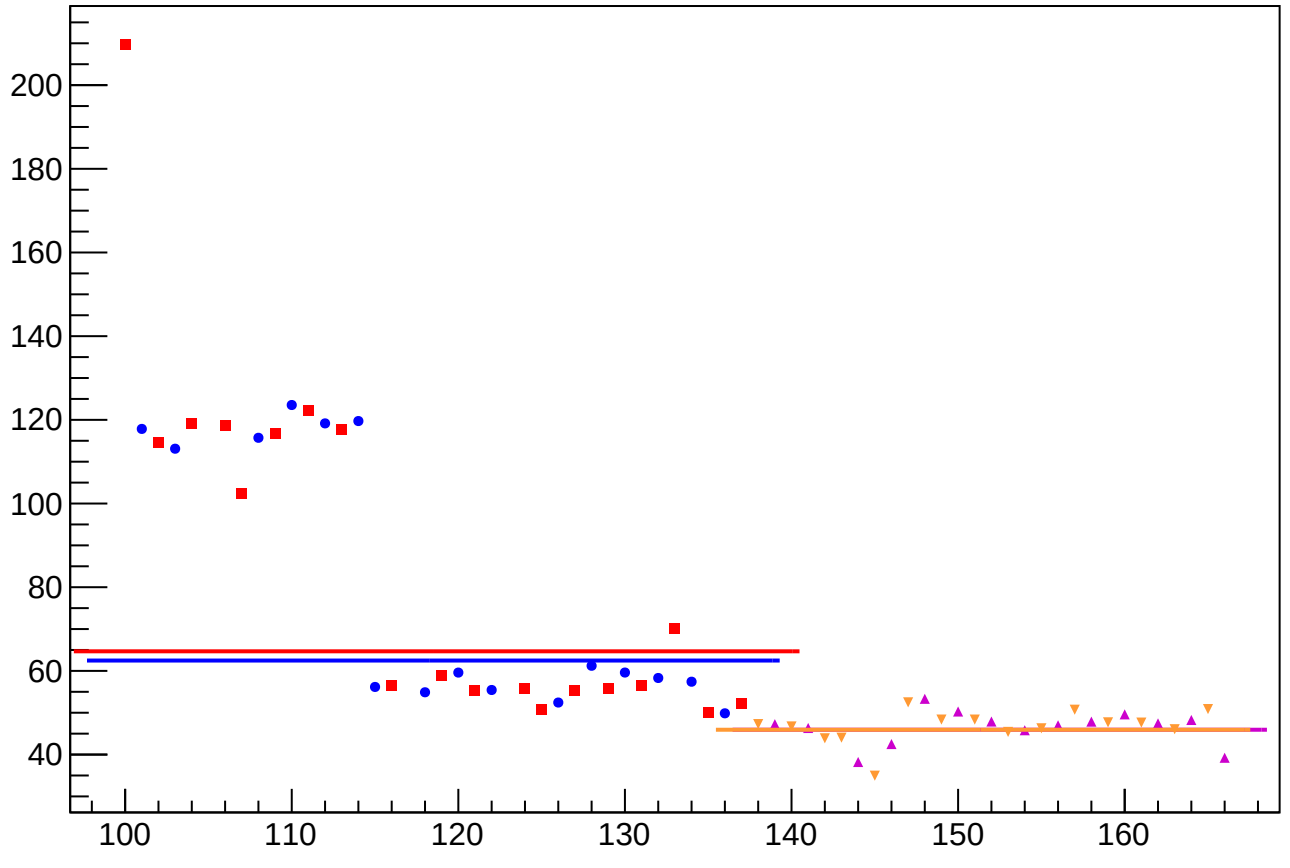
Left: 11.616+/-9.586 χ^2/NDF: 37.4/28

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -11.284+/-11.934 χ^2/NDF:36.4/29

Out: 10.474+/-11.860 χ^2/NDF:43.4/33

All: -0.338+/-8.412 χ^2/NDF: 81.4/63



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.935+/-0.010 χ^2/NDF:229775.9/14

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.935+/-0.010 χ^2/NDF:182391.6/13

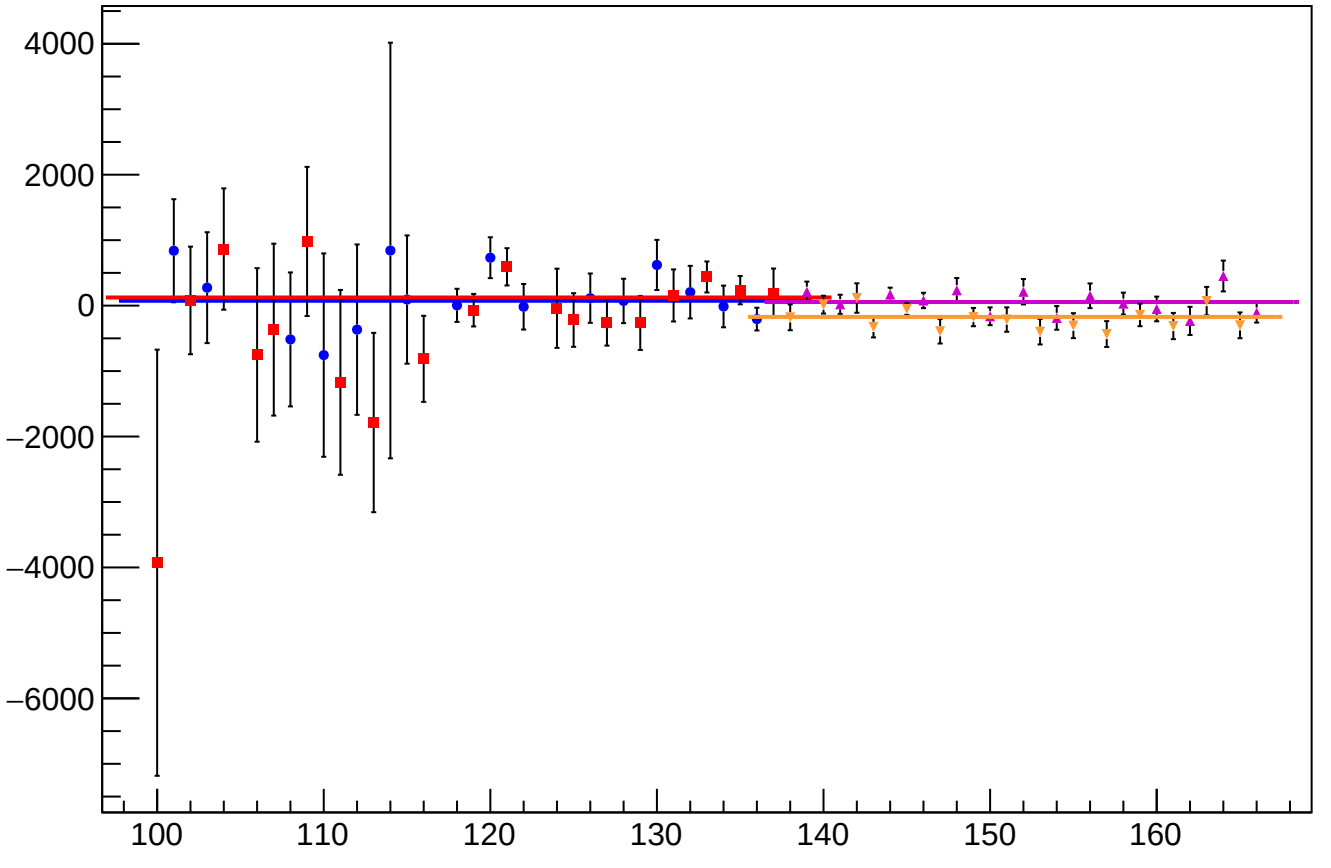
Left: 45.935+/-0.007 χ^2/NDF: 412167.6/28

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 49.863+/-0.008 χ^2/NDF:2226207.8/29

Out: 50.100+/-0.008 χ^2/NDF:2683686.8/33

All: 49.982+/-0.006 χ^2/NDF: 4910292.6/63



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -172.420+/-42.417 χ^2/NDF:13.5/14

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 55.050+/-41.983 χ^2/NDF:14.7/13

Left: -57.516+/-29.839 χ^2/NDF: 42.7/28

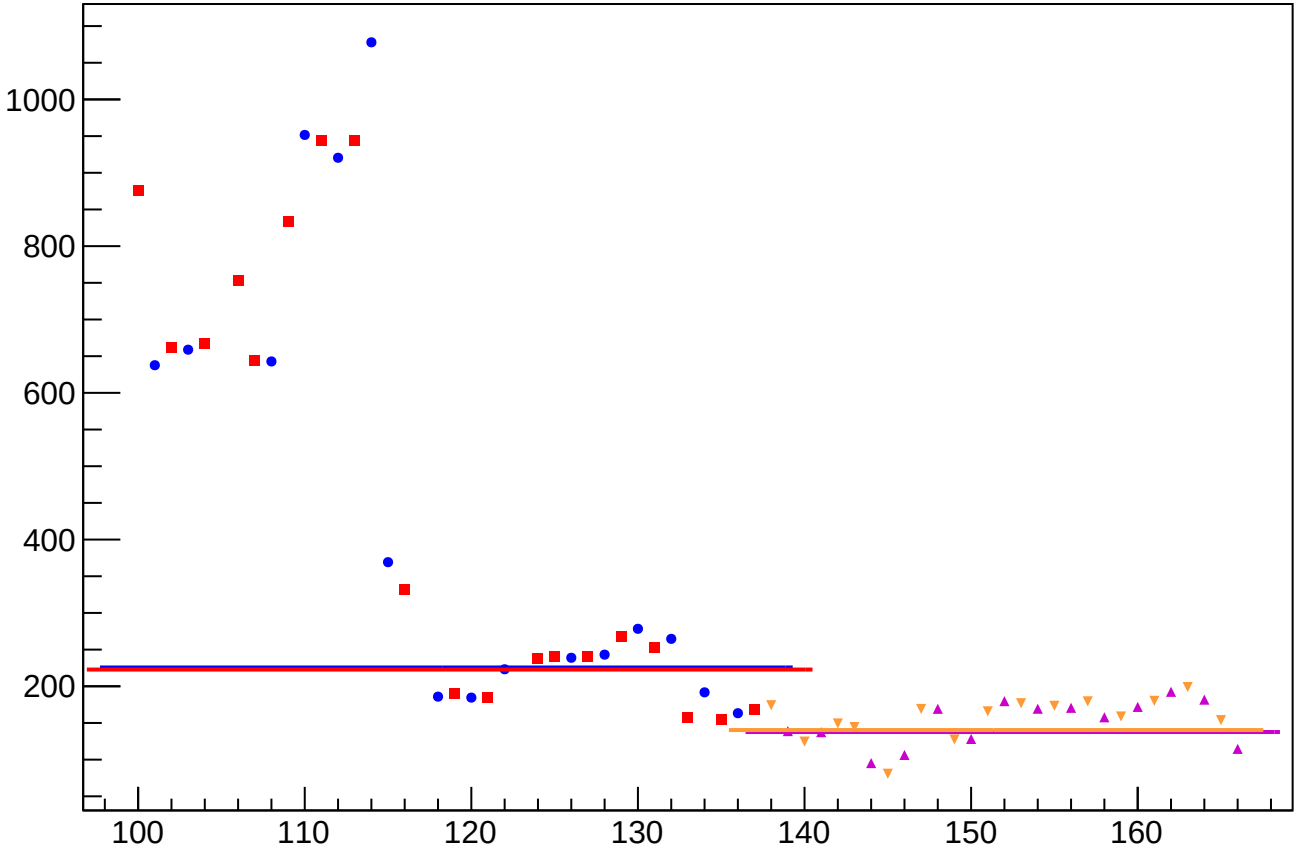
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 58.223+/-38.367 χ^2/NDF:25.9/29

Out: -122.825+/-38.709 χ^2/NDF:38.0/33

All: -31.497+/-27.250 χ^2/NDF: 75.0/63

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 140.324+/-0.030 χ^2/NDF:1533602.5/14

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 137.659+/-0.030 χ^2/NDF:1094648.3/13

Left: 138.978+/-0.021 χ^2/NDF: 2632237.9/28

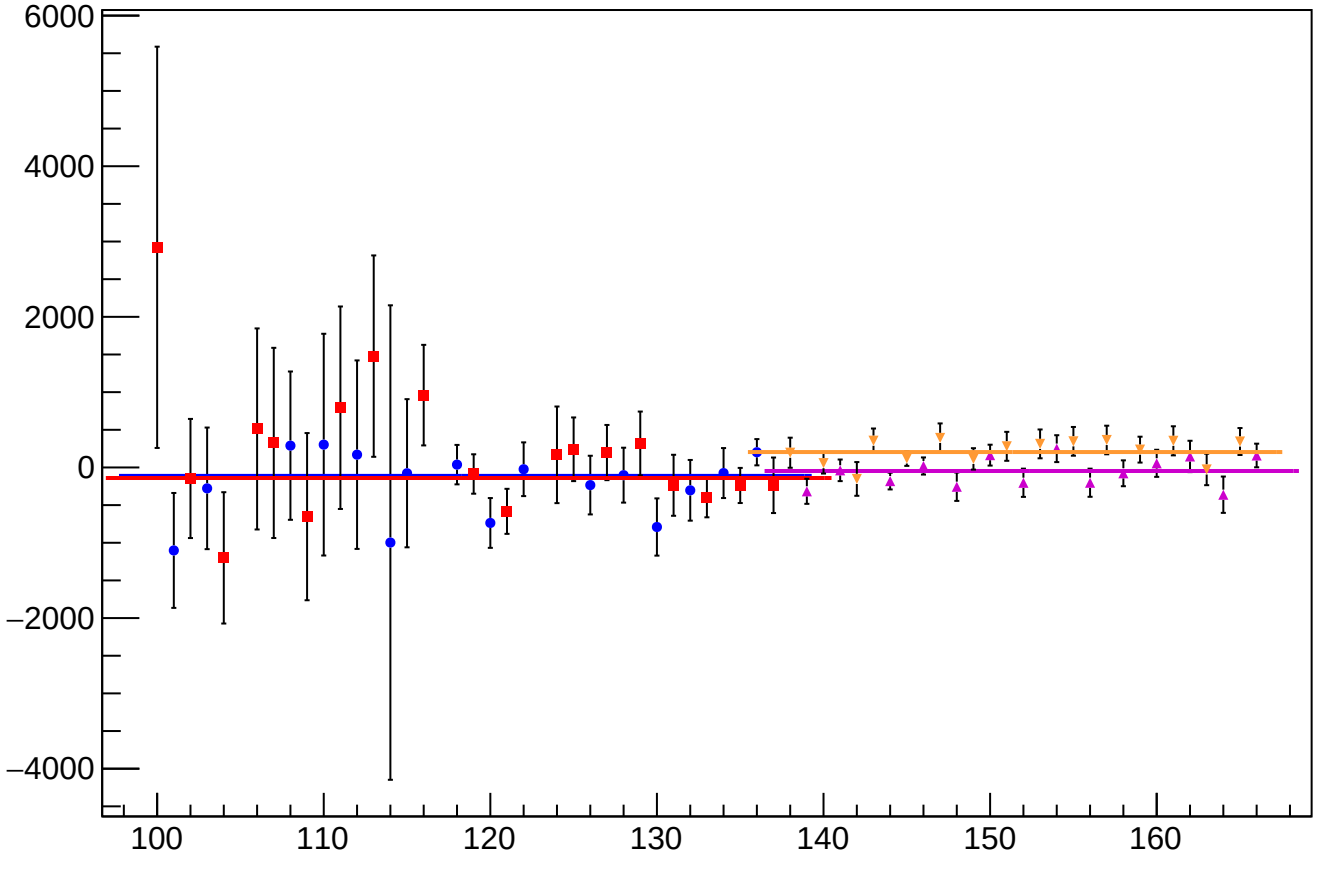
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 152.160+/-0.027 χ^2/NDF:5567803.2/29

Out: 154.112+/-0.027 χ^2/NDF:6645602.2/33

All: 153.127+/-0.019 χ^2/NDF: 12215971.4/63

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 204.698+/-43.080 χ^2/NDF:10.8/14

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -46.962+/-42.350 χ^2/NDF:16.7/13

Left: 76.718+/-30.201 χ^2/NDF: 44.9/28

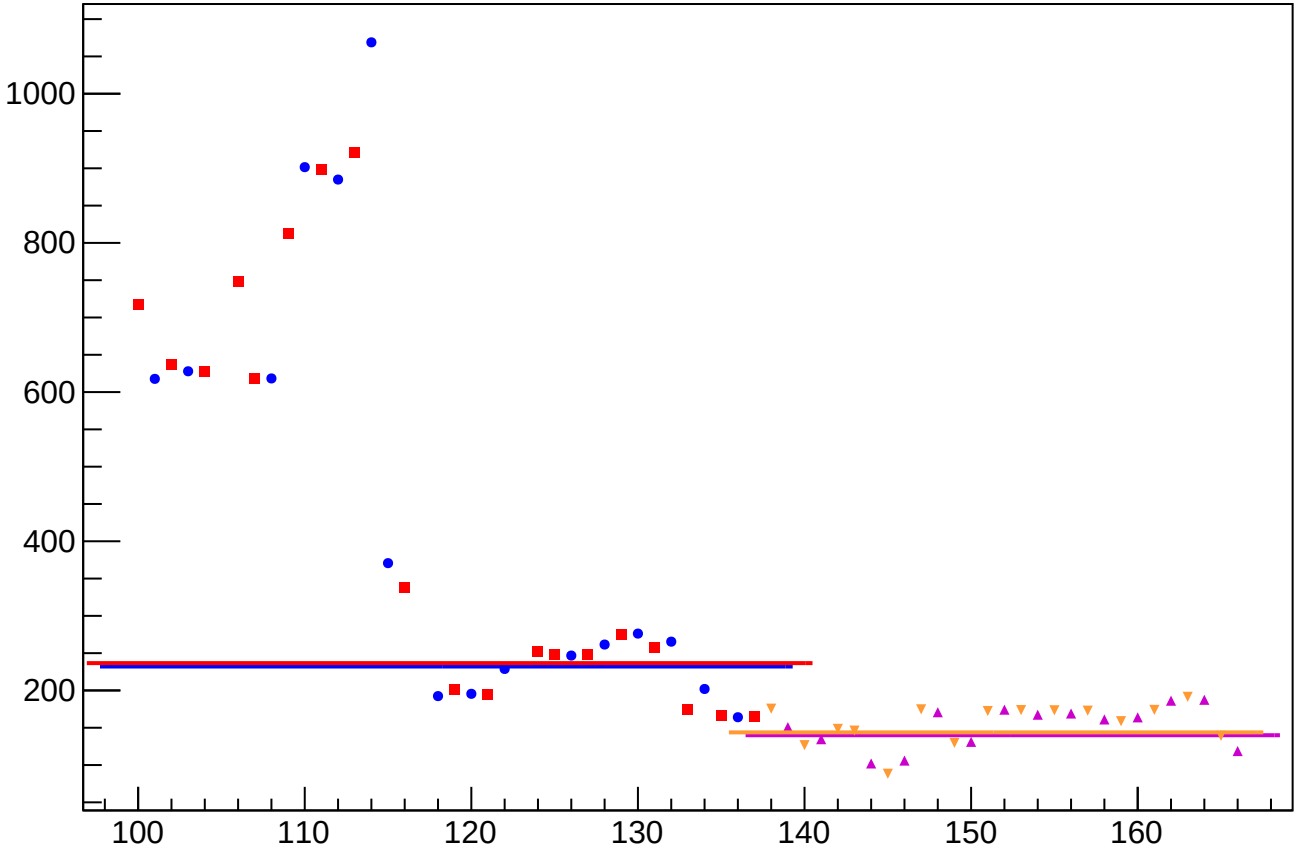
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -57.442+/-38.783 χ^2/NDF:30.0/29

Out: 149.986+/-39.513 χ^2/NDF:35.6/33

All: 44.338+/-27.678 χ^2/NDF: 79.6/63

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 143.796+/-0.030 χ^2/NDF:1142809.6/14

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 139.971+/-0.030 χ^2/NDF:925789.1/13

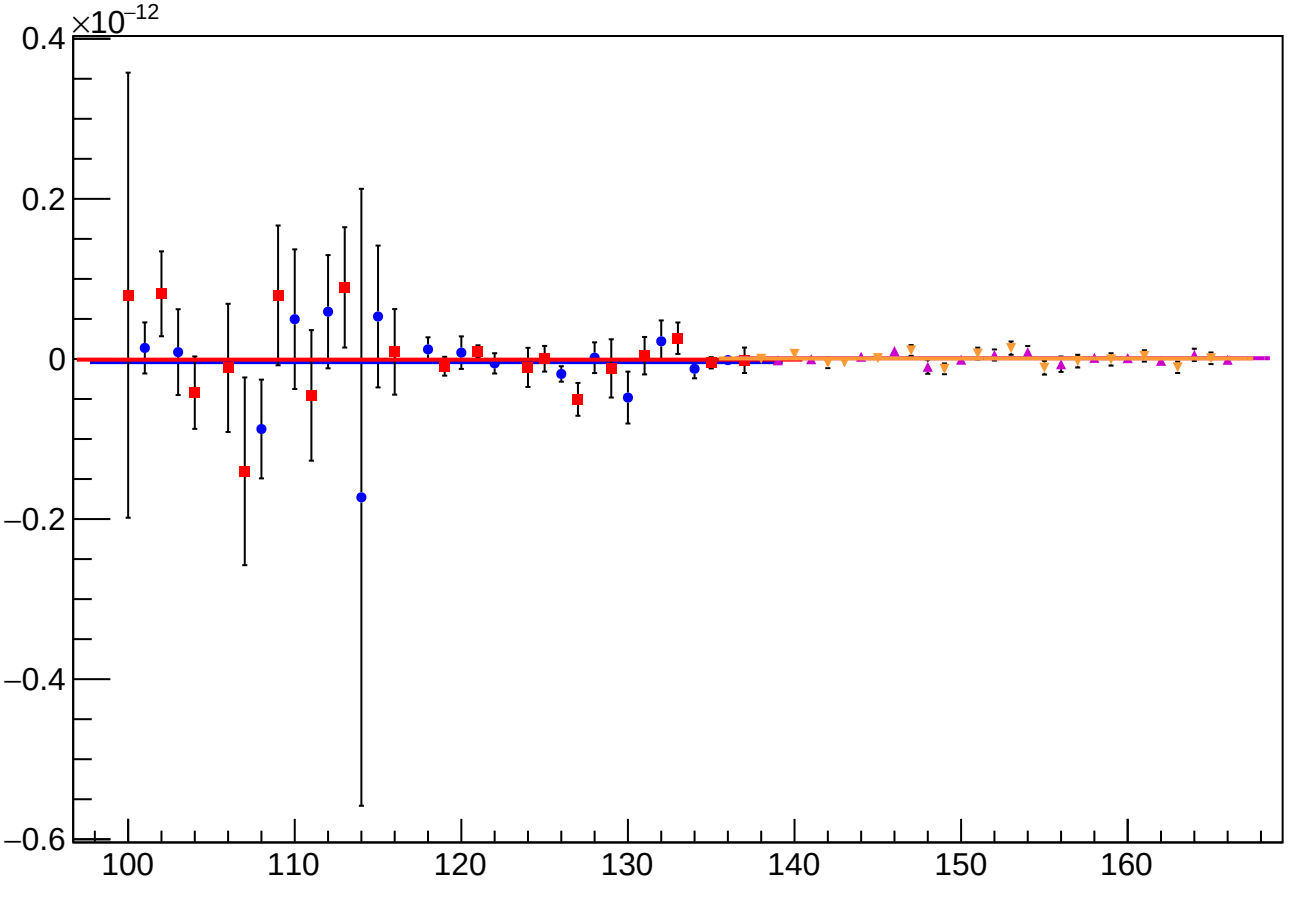
Left: 141.851+/-0.021 χ^2/NDF: 2076618.0/28

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 154.837+/-0.027 χ^2/NDF:5338705.7/29

Out: 158.535+/-0.028 χ^2/NDF:6138645.3/33

All: 156.652+/-0.020 χ^2/NDF: 11486273.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/13

Left: 0.000+/-0.000 χ^2/NDF: 25.4/28

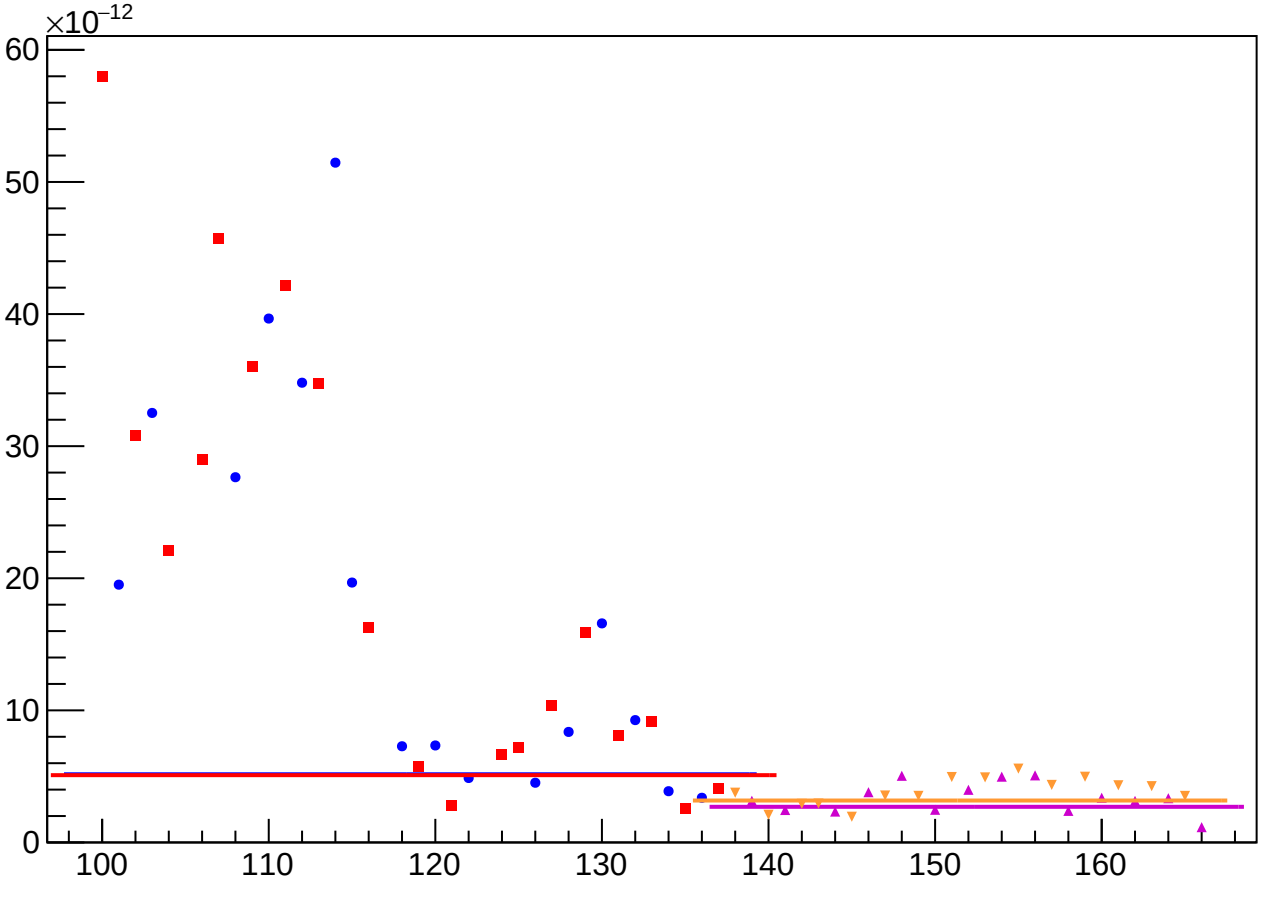
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.4/29

Out: 0.000+/-0.000 χ^2/NDF:36.1/33

All: 0.000+/-0.000 χ^2/NDF: 56.6/63

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1143431.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1160799.1/13

Left: 0.000+/-0.000 χ^2/NDF: 2414306.5/28

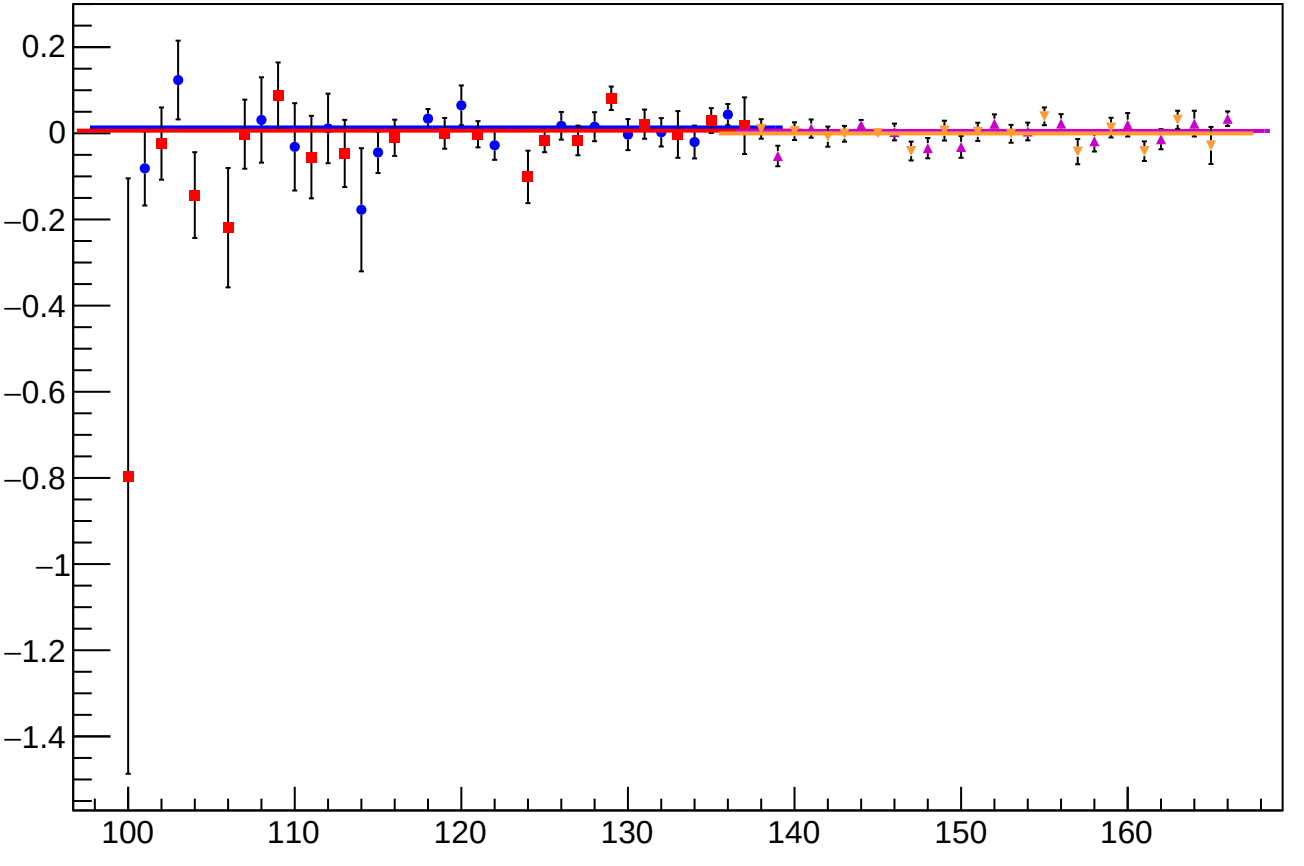
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4569871.3/29

Out: 0.000+/-0.000 χ^2/NDF:4792744.8/33

All: 0.000+/-0.000 χ^2/NDF: 9456334.6/63

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/28

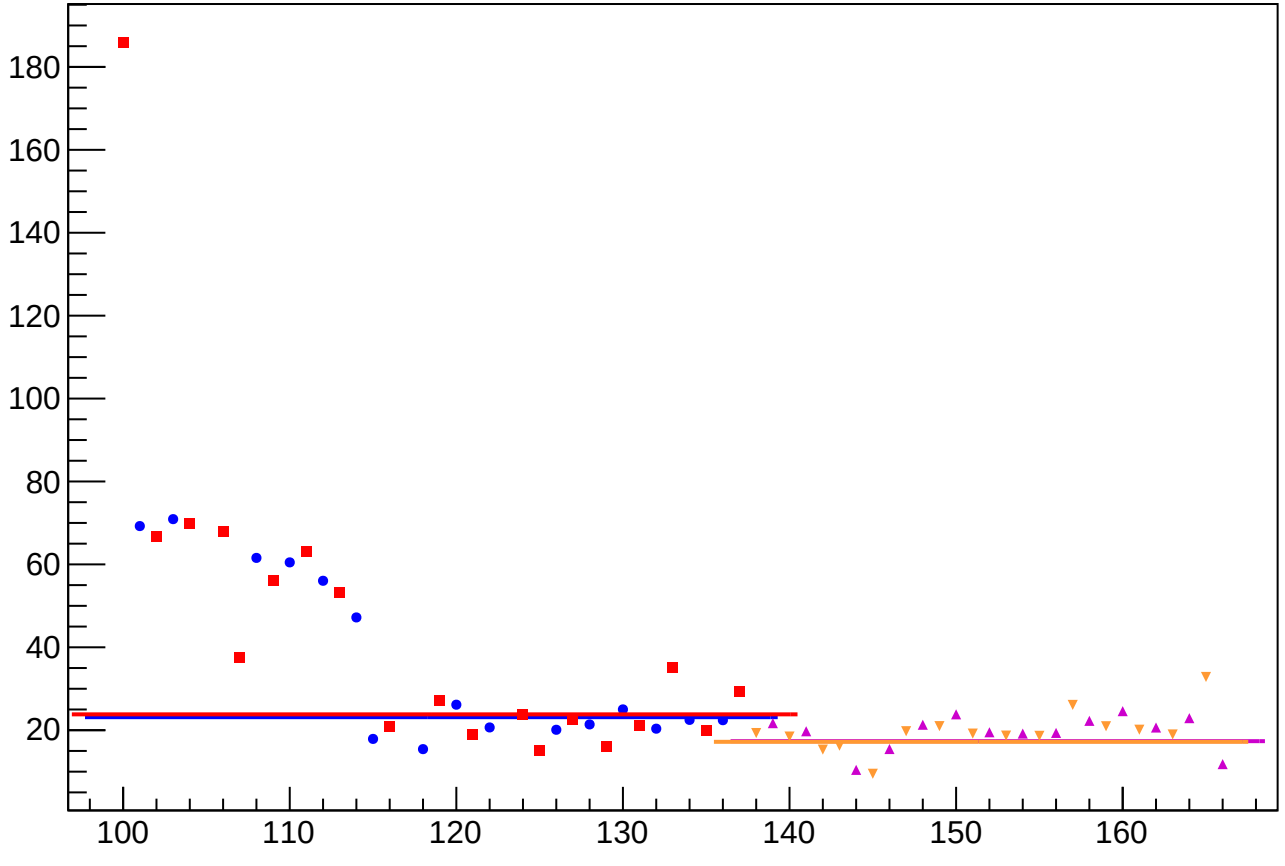
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.004+/-0.003 χ^2/NDF: 70.3/63

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.199+/-0.004 χ^2/NDF:1641725.1/14

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.358+/-0.004 χ^2/NDF:1585882.1/13

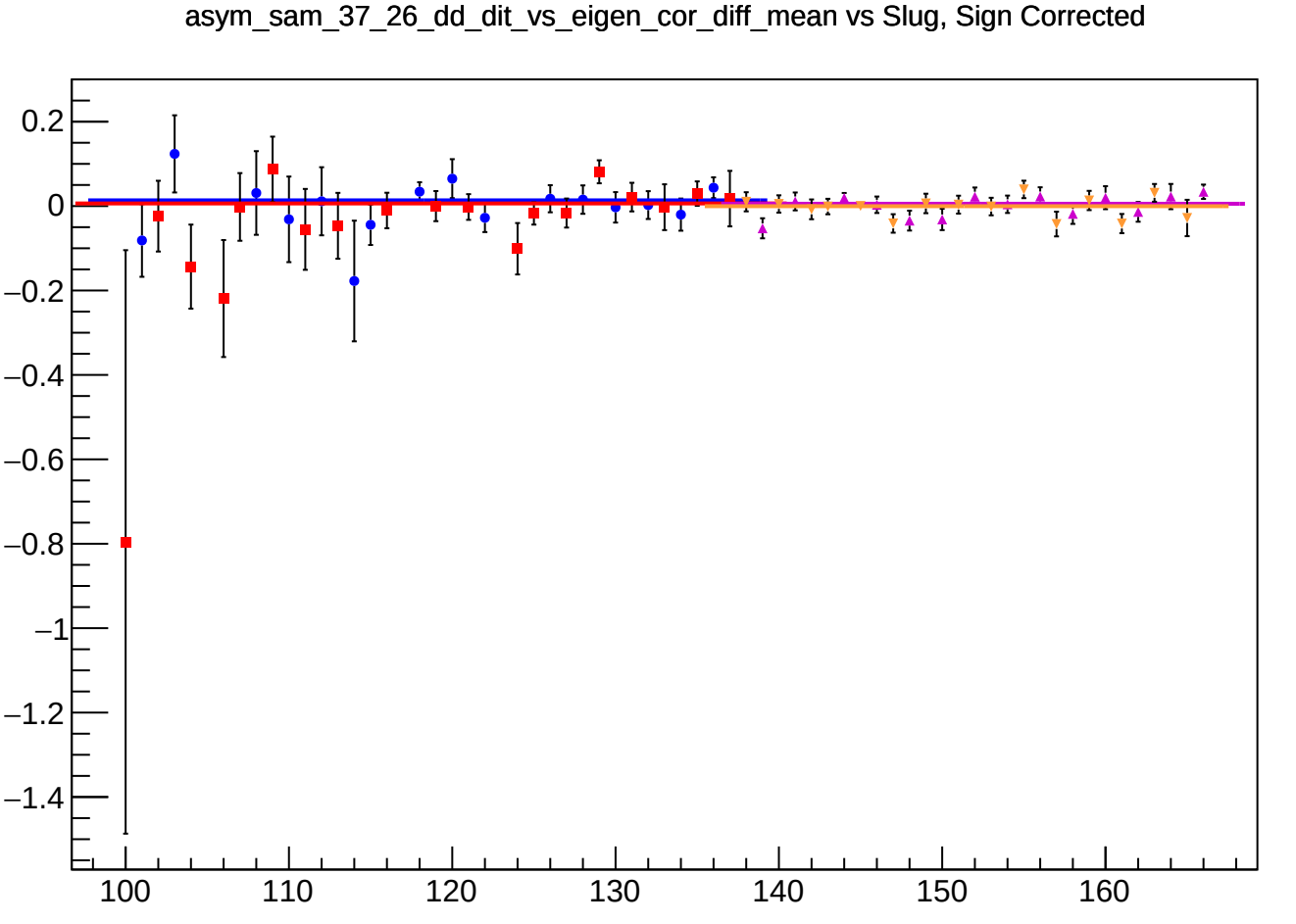
Left: 17.276+/-0.003 χ^2/NDF: 3228469.3/28

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.728+/-0.003 χ^2/NDF:4519628.3/29

Out: 18.637+/-0.003 χ^2/NDF:5218887.8/33

All: 18.681+/-0.002 χ^2/NDF: 9738885.7/63



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/28

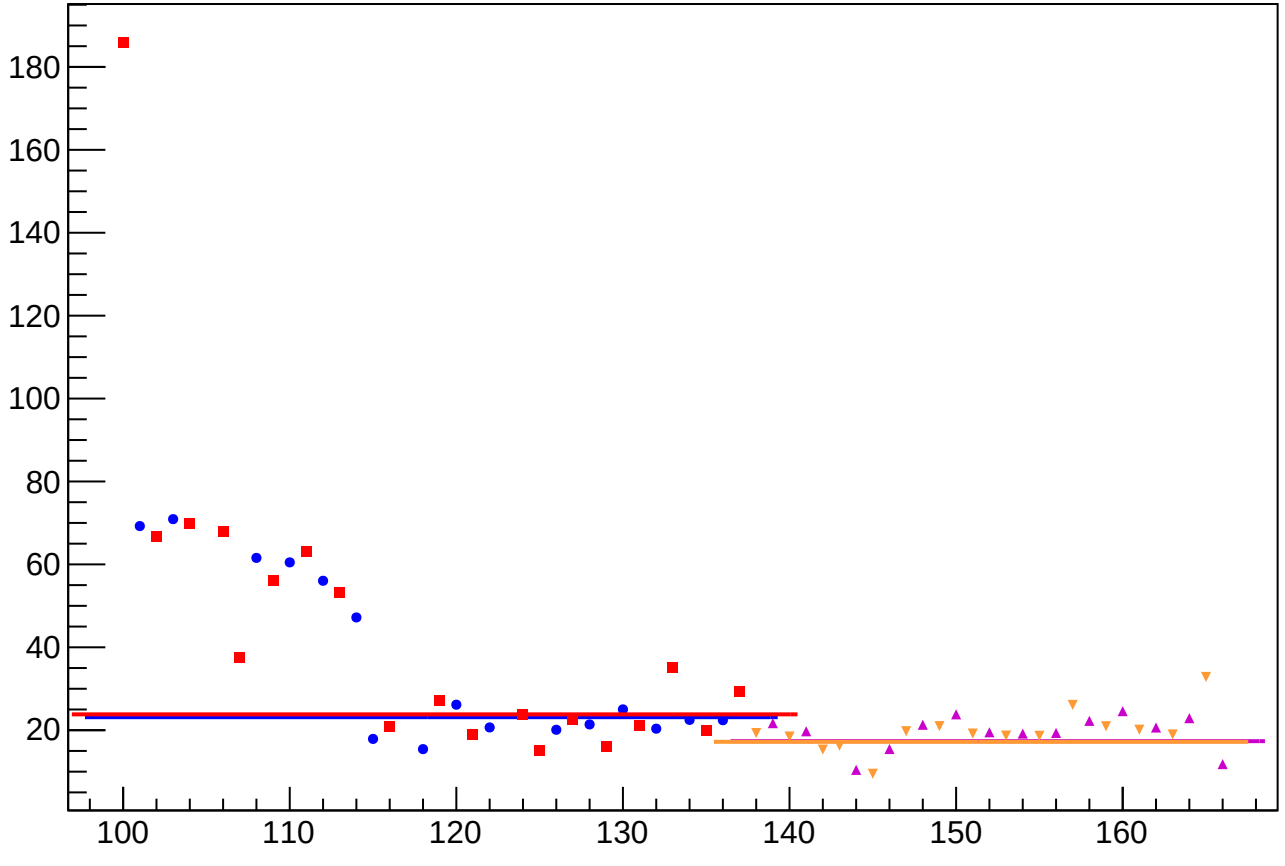
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.004+/-0.003 χ^2/NDF: 70.3/63

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.199+/-0.004 χ^2/NDF:1641725.1/14

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.358+/-0.004 χ^2/NDF:1585882.1/13

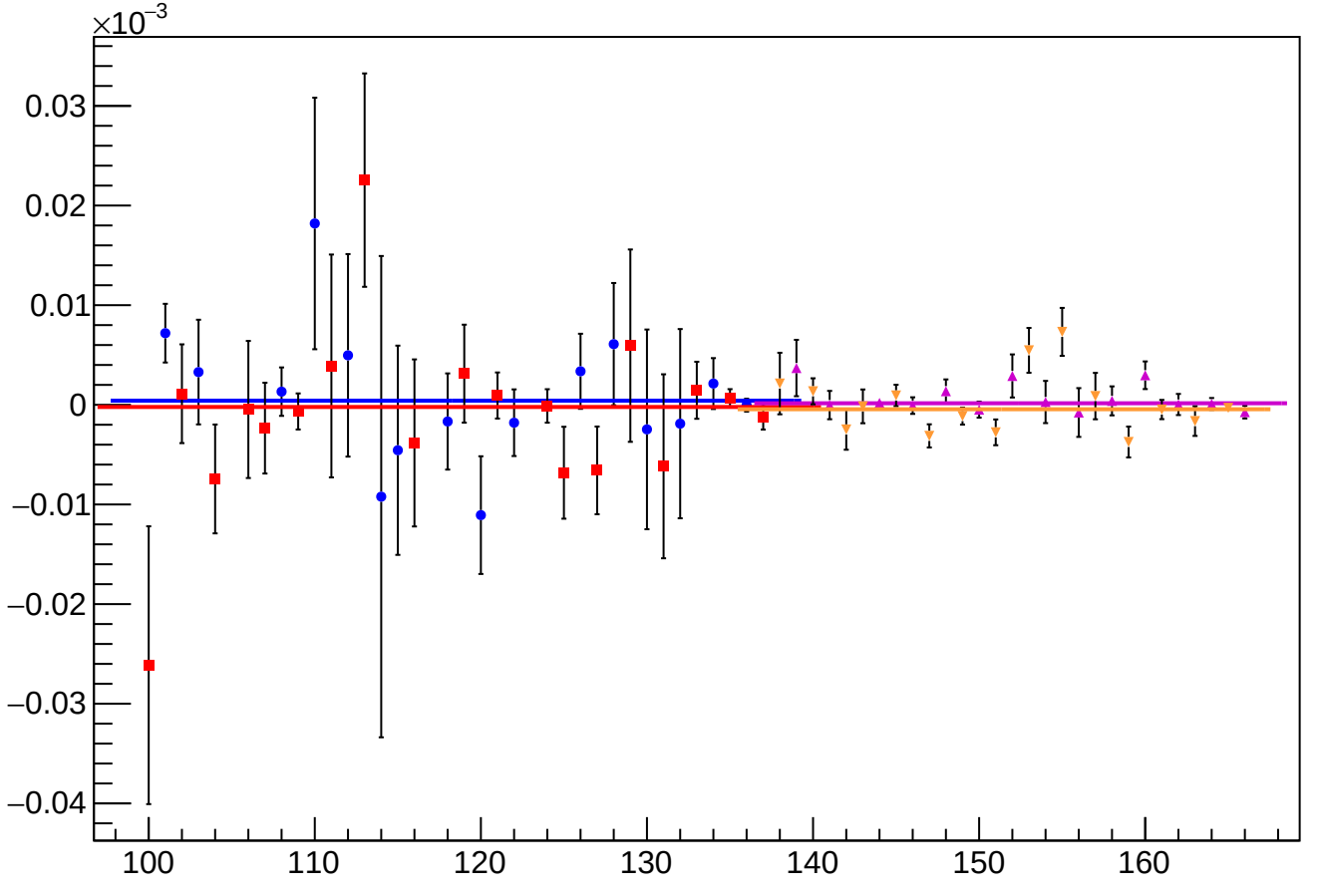
Left: 17.276+/-0.003 χ^2/NDF: 3228469.3/28

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.728+/-0.003 χ^2/NDF:4519628.3/29

Out: 18.637+/-0.003 χ^2/NDF:5218887.8/33

All: 18.681+/-0.002 χ^2/NDF: 9738885.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/13

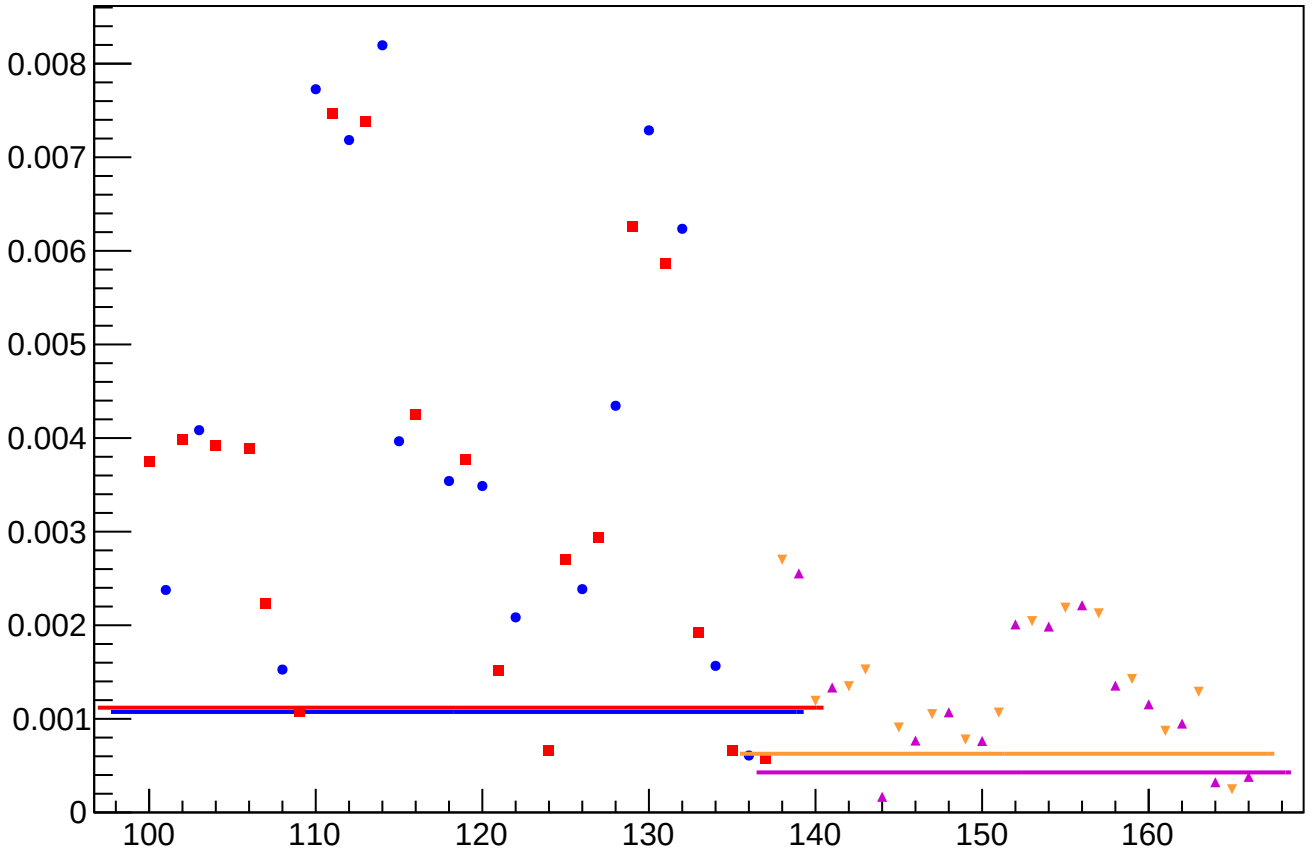
Left: -0.000+/-0.000 χ^2/NDF: 52.5/28

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:26.7/29

Out: -0.000+/-0.000 χ^2/NDF:55.4/33

All: -0.000+/-0.000 χ^2/NDF: 86.4/63



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:9187051.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10460766.5/13

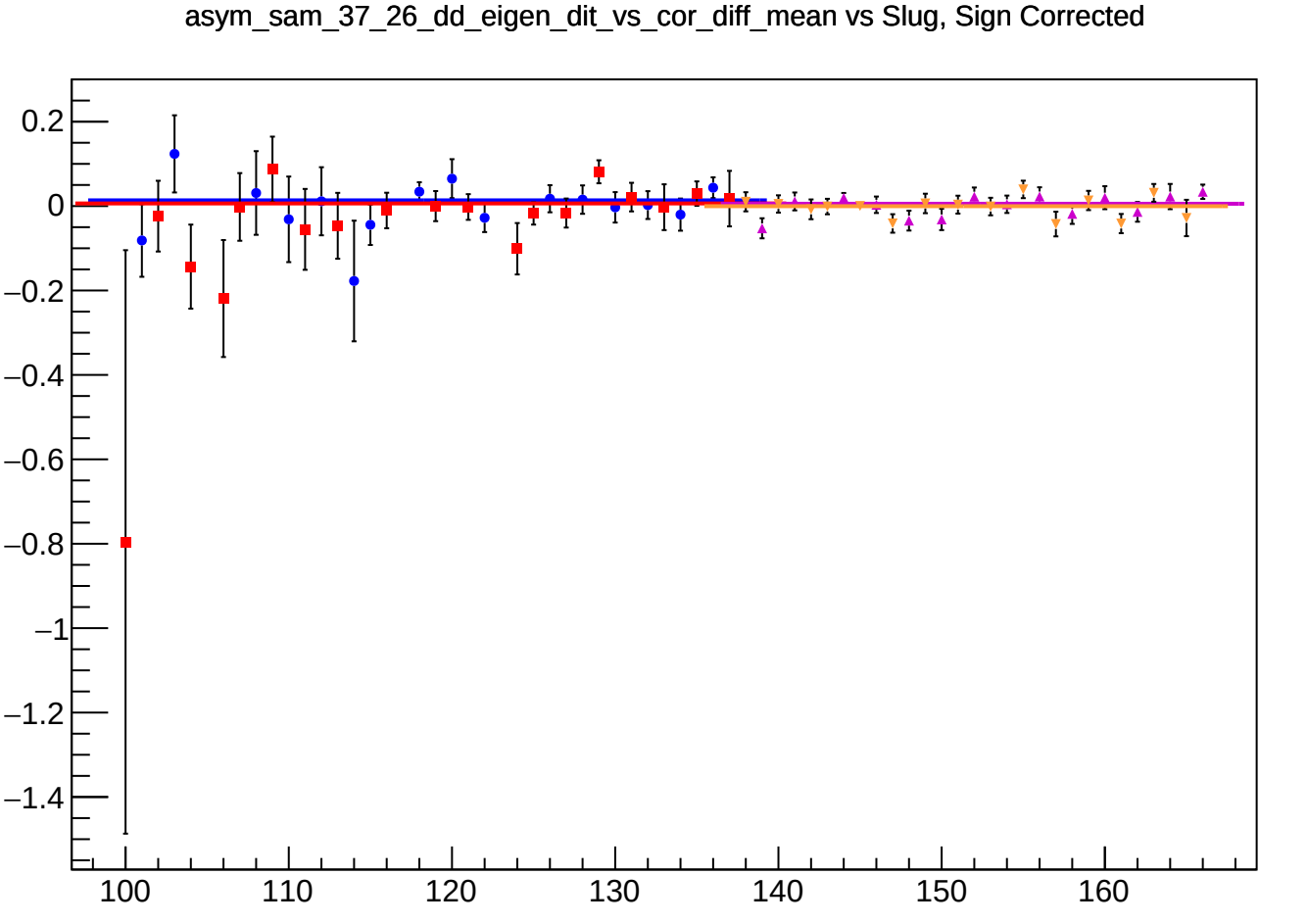
Left: 0.001+/-0.000 χ^2/NDF: 20494203.6/28

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:19881647.3/29

Out: 0.001+/-0.000 χ^2/NDF:17255696.6/33

All: 0.001+/-0.000 χ^2/NDF: 38192228.7/63



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/28

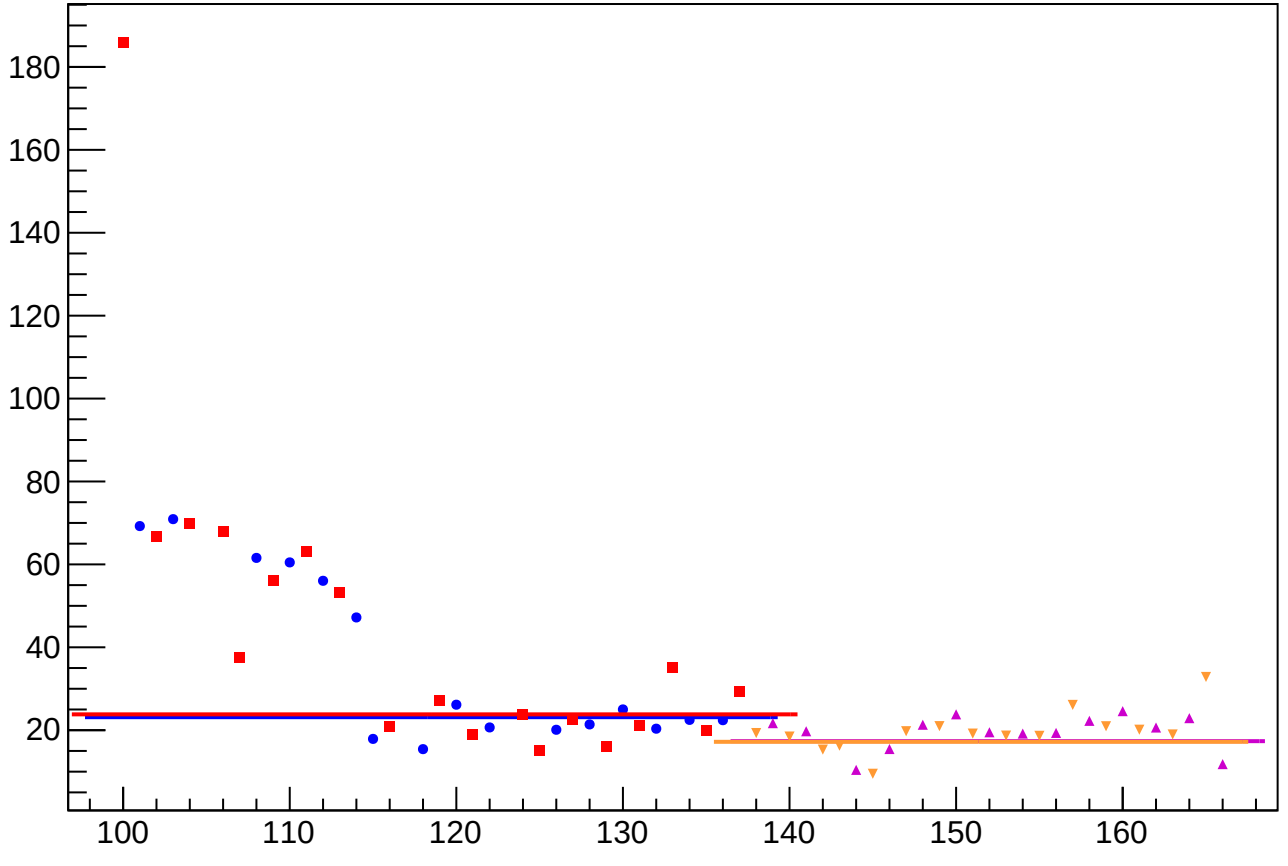
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.004+/-0.003 χ^2/NDF: 70.3/63

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 17.200+/-0.004 χ^2/NDF:1641829.6/14

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.358+/-0.004 χ^2/NDF:1585865.8/13

Left: 17.276+/-0.003 χ^2/NDF: 3228558.1/28

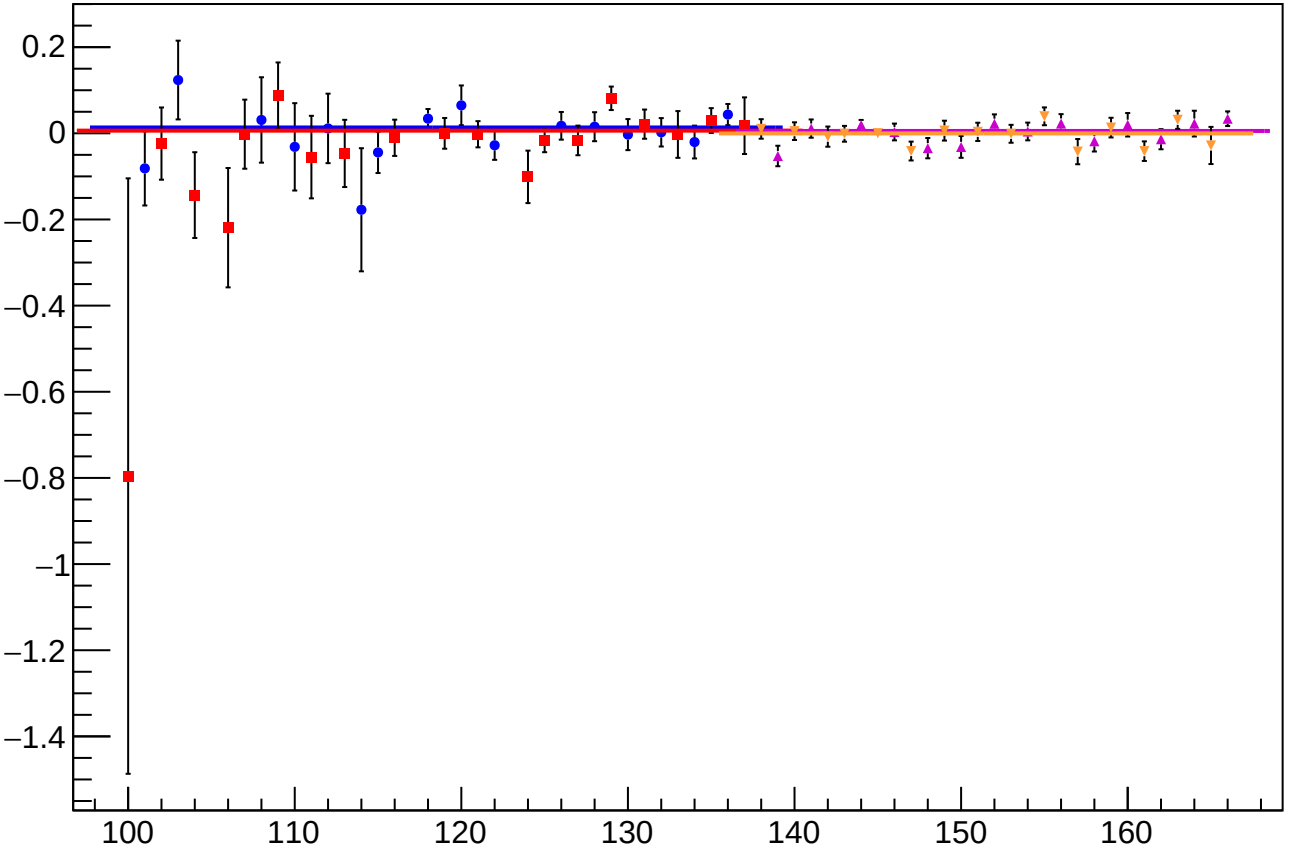
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.728+/-0.003 χ^2/NDF:4519404.6/29

Out: 18.637+/-0.003 χ^2/NDF:5218816.4/33

All: 18.681+/-0.002 χ^2/NDF: 9738589.9/63

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.005+/-0.005 χ^2/NDF:18.7/13

Left: 0.003+/-0.004 χ^2/NDF: 35.4/28

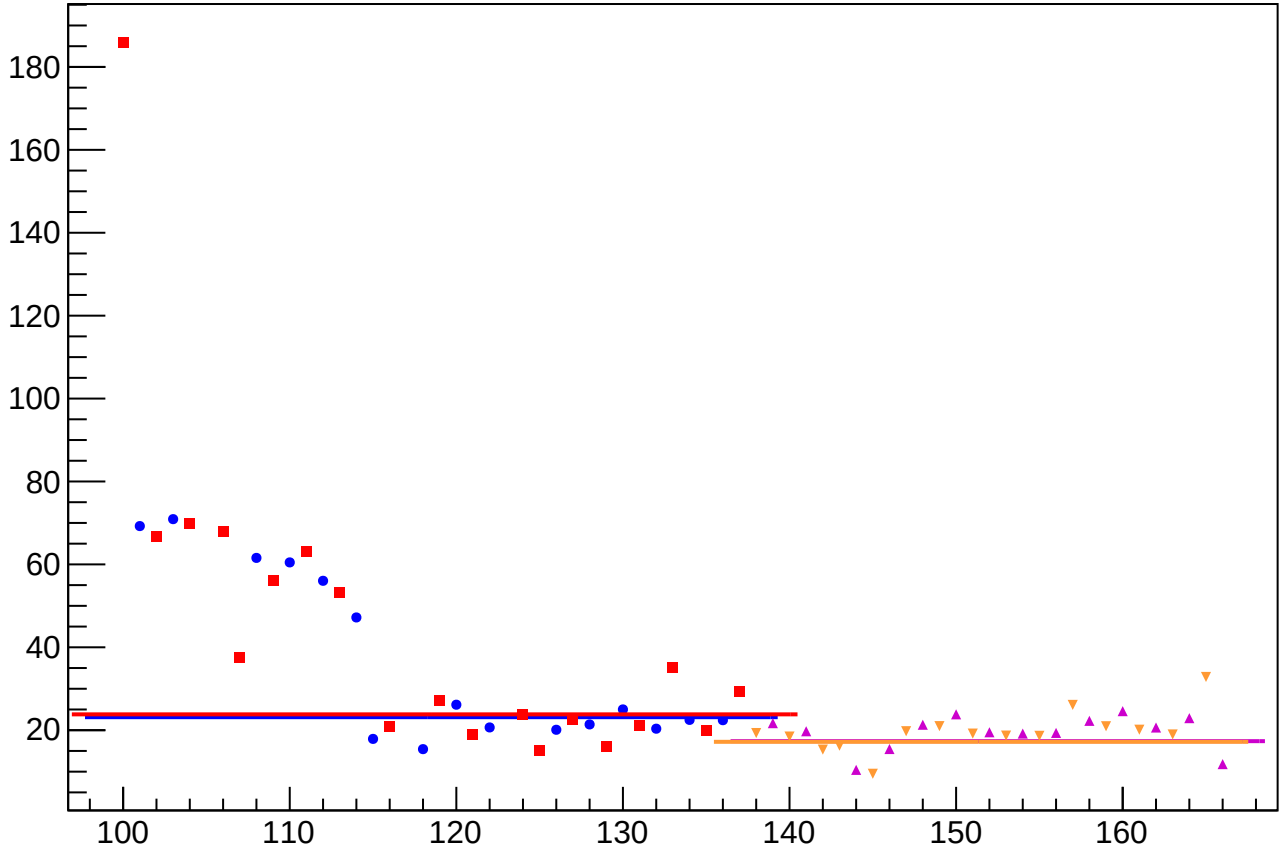
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.007+/-0.005 χ^2/NDF:31.6/29

Out: 0.001+/-0.005 χ^2/NDF:37.8/33

All: 0.004+/-0.003 χ^2/NDF: 70.3/63

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 17.200+/-0.004 χ^2/NDF:1641829.6/14

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.358+/-0.004 χ^2/NDF:1585865.8/13

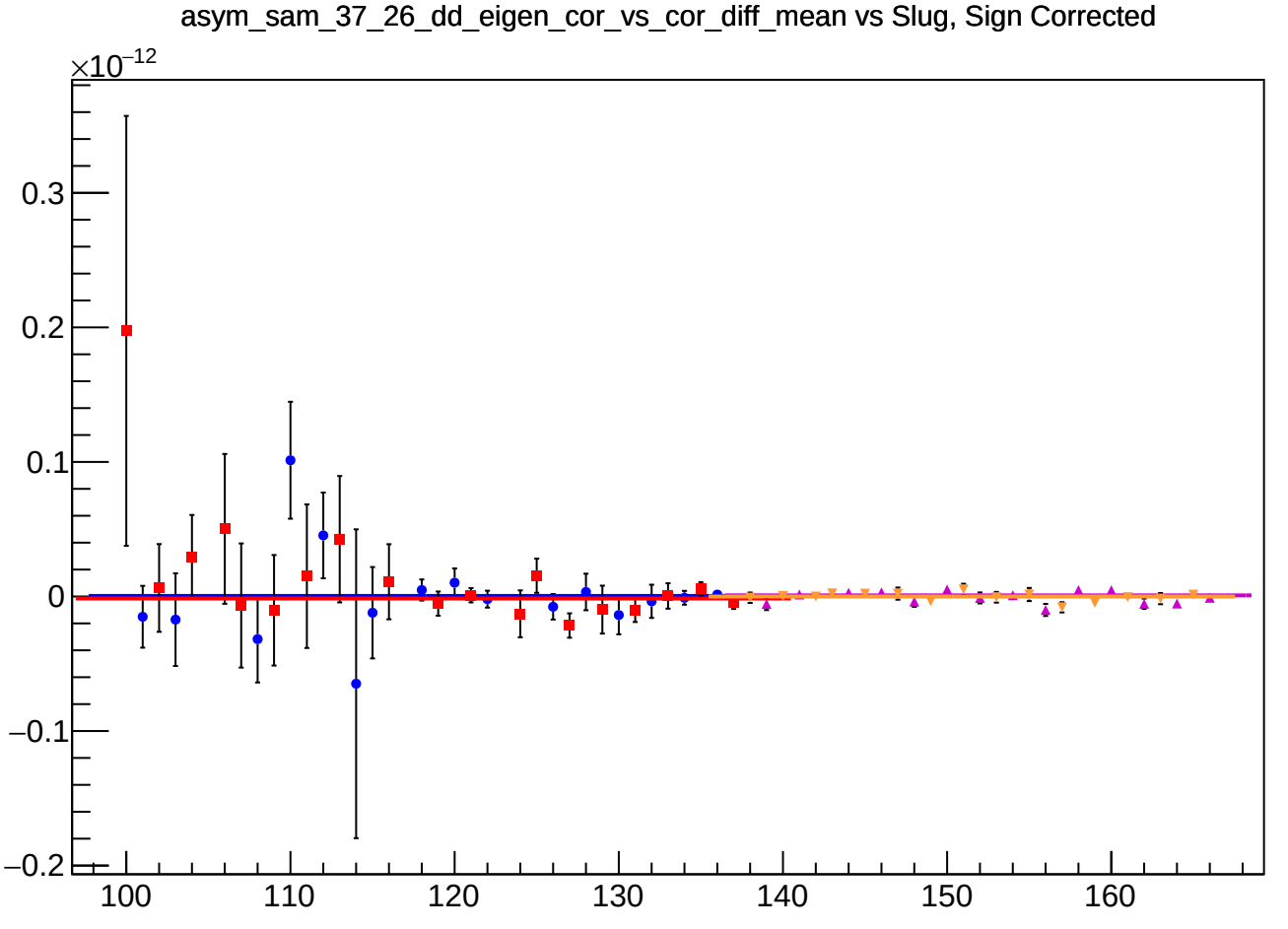
Left: 17.276+/-0.003 χ^2/NDF: 3228558.1/28

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.728+/-0.003 χ^2/NDF:4519404.6/29

Out: 18.637+/-0.003 χ^2/NDF:5218816.4/33

All: 18.681+/-0.002 χ^2/NDF: 9738589.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/13

Left: 0.000+/-0.000 χ^2/NDF: 35.8/28

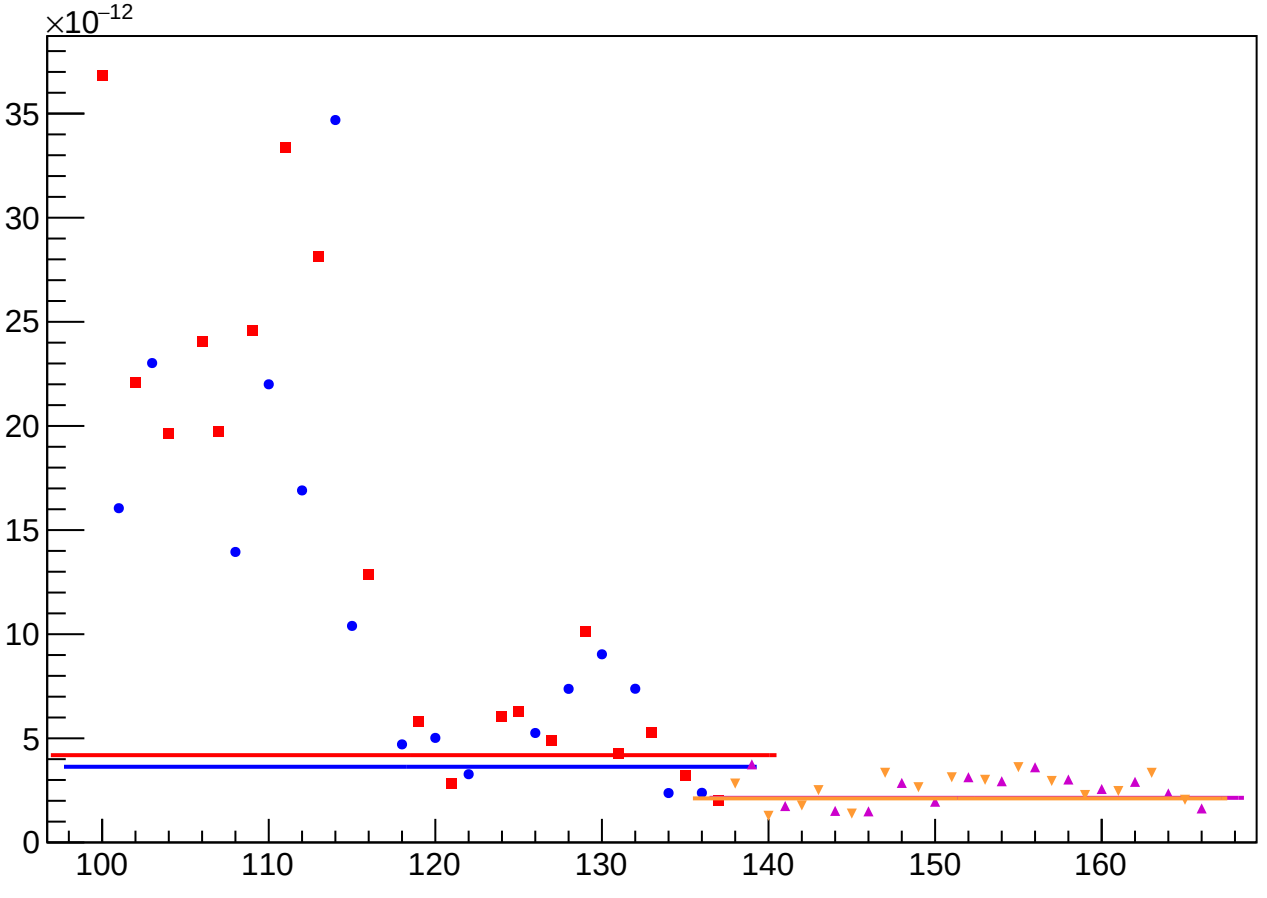
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:35.8/29

Out: -0.000+/-0.000 χ^2/NDF:28.3/33

All: 0.000+/-0.000 χ^2/NDF: 64.9/63

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1836826.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1533732.9/13

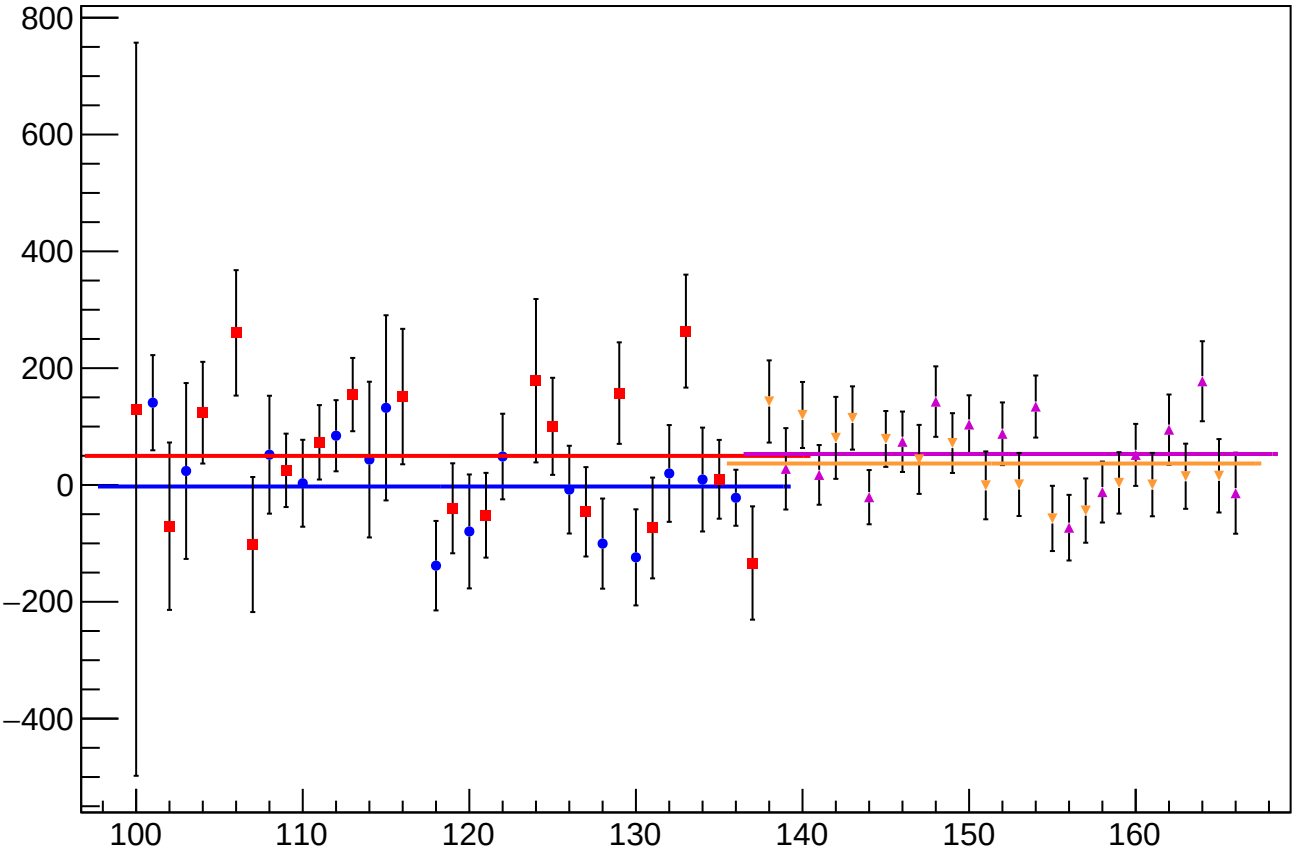
Left: 0.000+/-0.000 χ^2/NDF: 3371730.9/28

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6041119.7/29

Out: 0.000+/-0.000 χ^2/NDF:7689212.9/33

All: 0.000+/-0.000 χ^2/NDF: 13730712.9/63



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 36.753+/-14.542 χ^2/NDF:15.1/14

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 53.046+/-14.844 χ^2/NDF:20.6/13

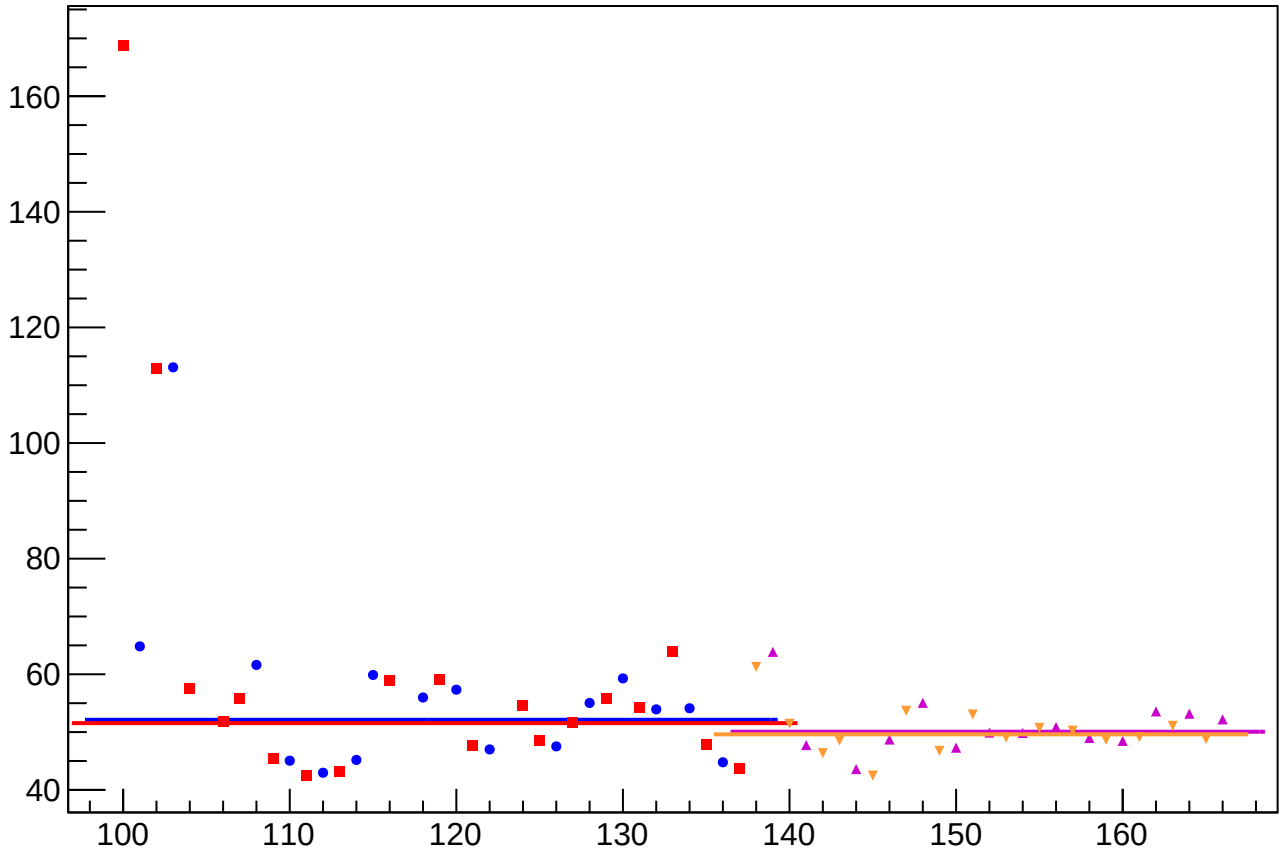
Left: 44.732+/-10.388 χ^2/NDF: 36.3/28

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 33.268+/-11.919 χ^2/NDF:40.2/29

Out: 41.382+/-11.683 χ^2/NDF:44.7/33

All: 37.406+/-8.343 χ^2/NDF: 85.2/63



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

Left: 49.832+/-0.007 χ^2/NDF: 292885.0/28

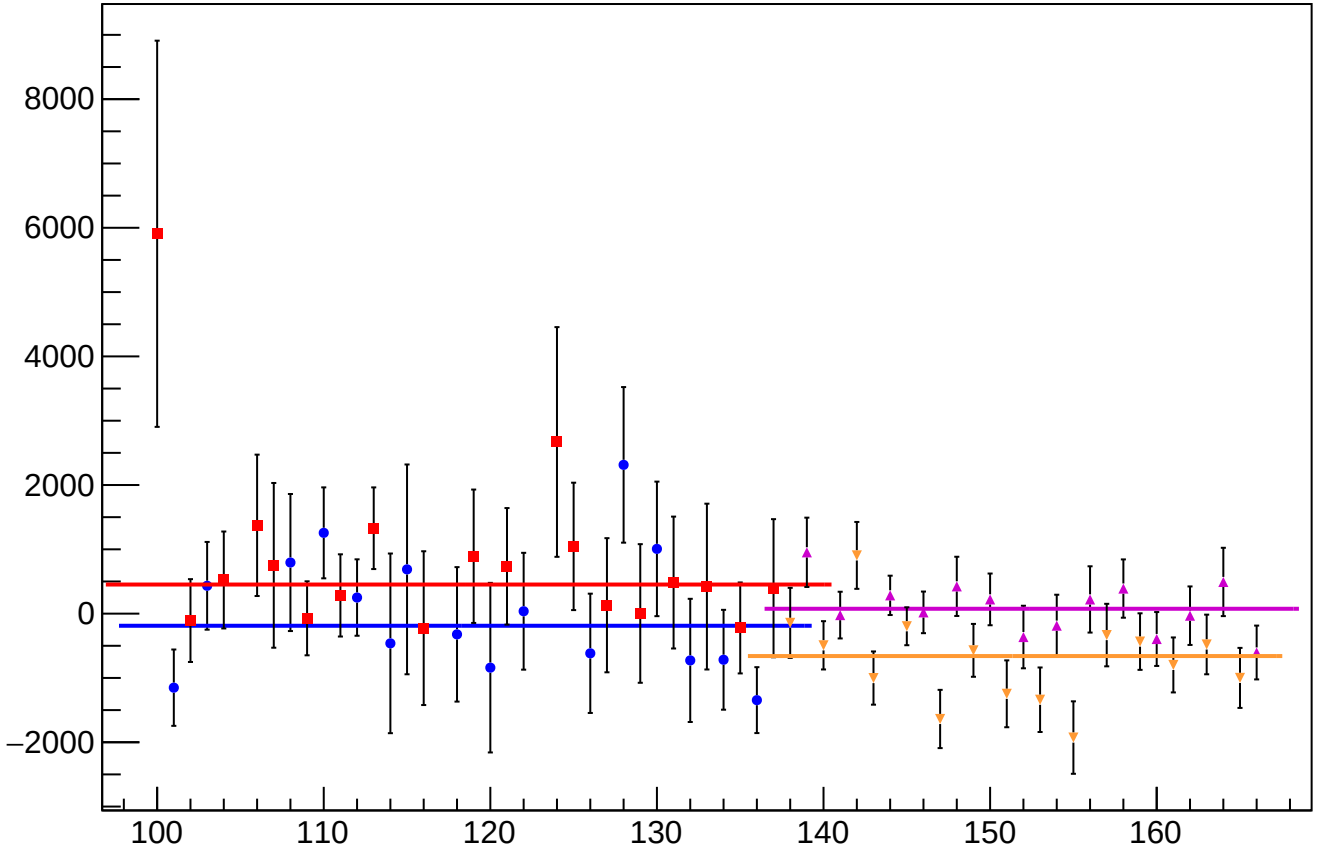
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.796+/-0.008 χ^2/NDF:735380.4/29

Out: 50.299+/-0.008 χ^2/NDF:785437.9/33

All: 50.542+/-0.006 χ^2/NDF: 1522591.3/63

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -659.642+/-113.776 χ^2/NDF:27.7/14

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 75.620+/-112.419 χ^2/NDF:10.2/13

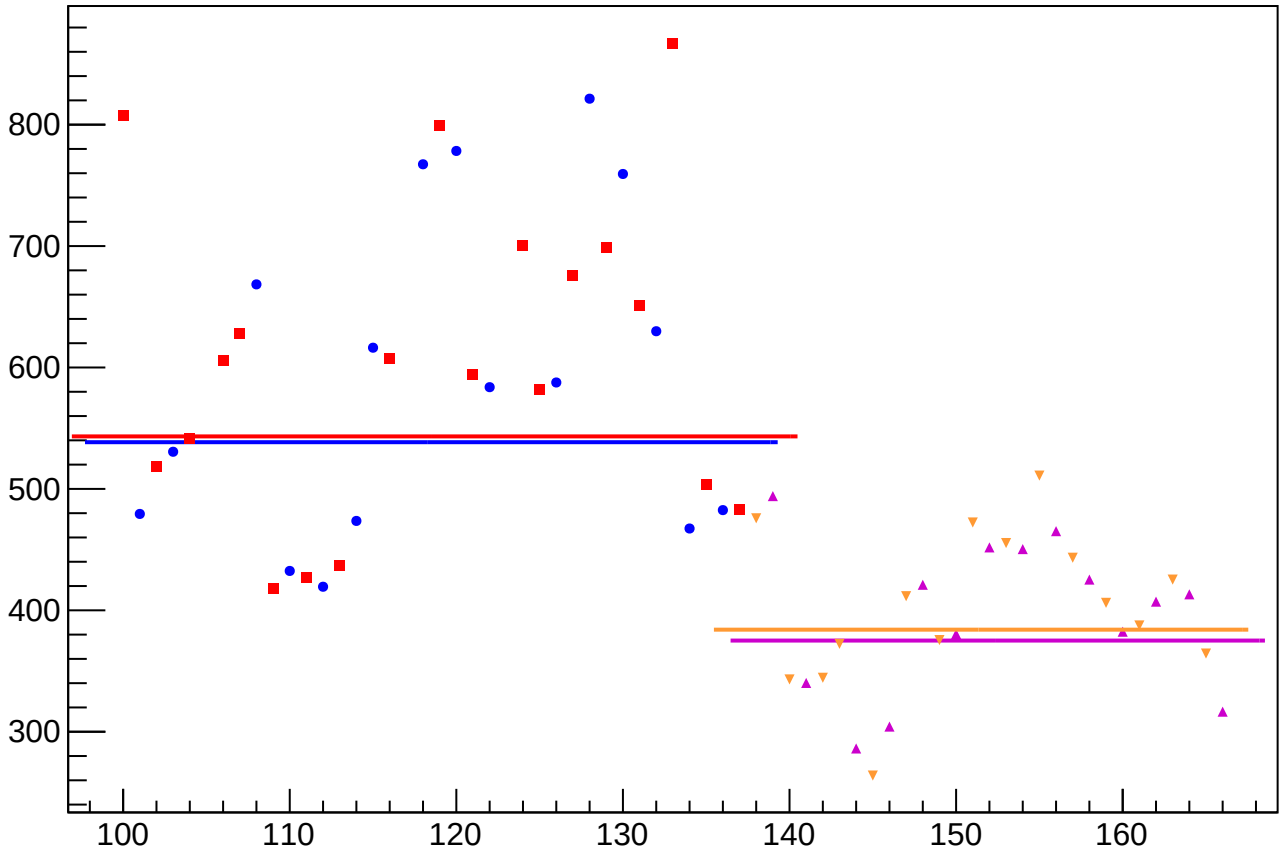
Left: -287.599+/-79.968 χ^2/NDF: 59.0/28

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 14.911+/-98.660 χ^2/NDF:32.8/29

Out: -395.607+/-99.357 χ^2/NDF:61.7/33

All: -188.903+/-70.008 χ^2/NDF: 103.1/63



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 384.072+/-0.080 χ^2/NDF:688048.3/14

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 375.091+/-0.079 χ^2/NDF:645425.9/13

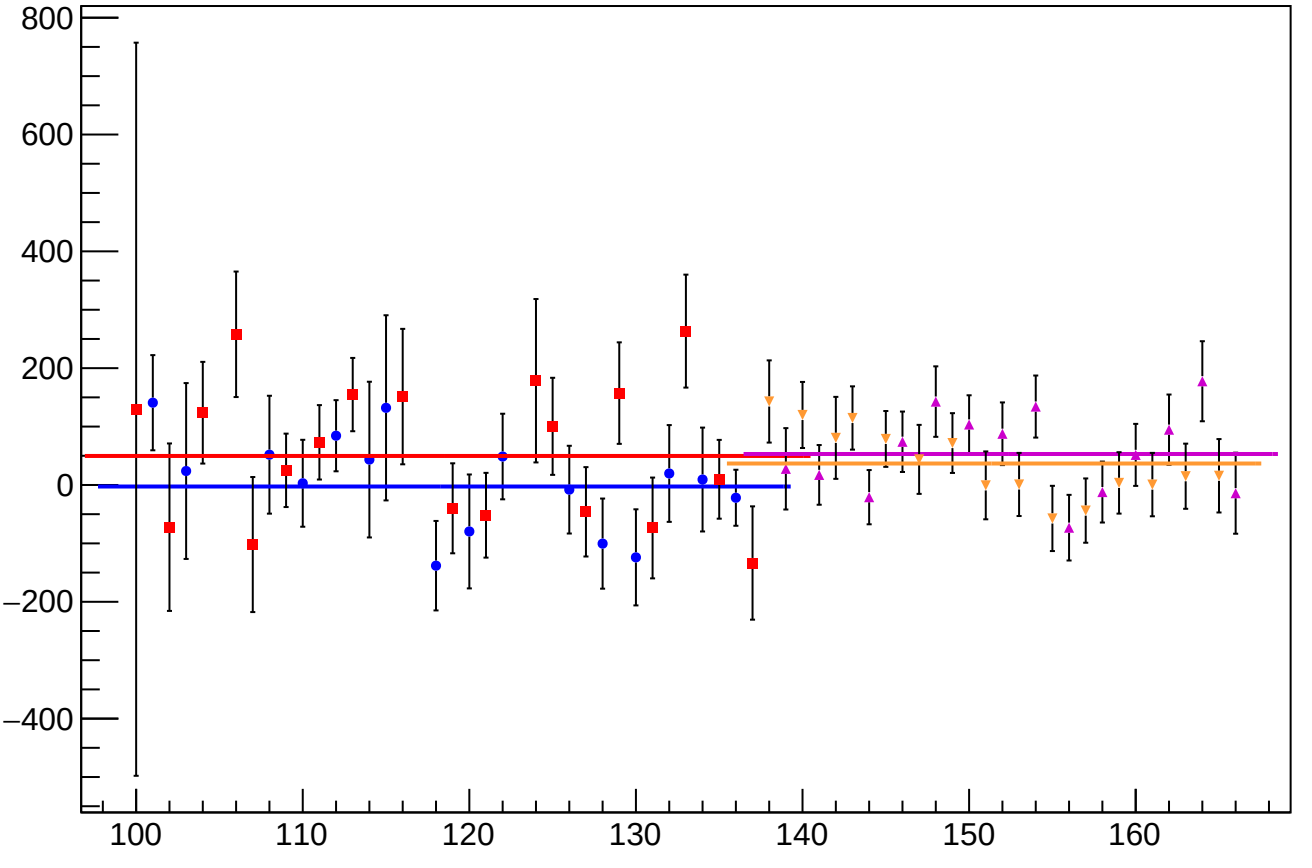
Left: 379.527+/-0.057 χ^2/NDF: 1339779.5/28

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 412.634+/-0.070 χ^2/NDF:2230107.5/29

Out: 421.859+/-0.070 χ^2/NDF:2254426.0/33

All: 417.214+/-0.050 χ^2/NDF: 4493213.8/63



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 36.755+/-14.542 χ^2/NDF:15.1/14

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.046+/-14.844 χ^2/NDF:20.6/13

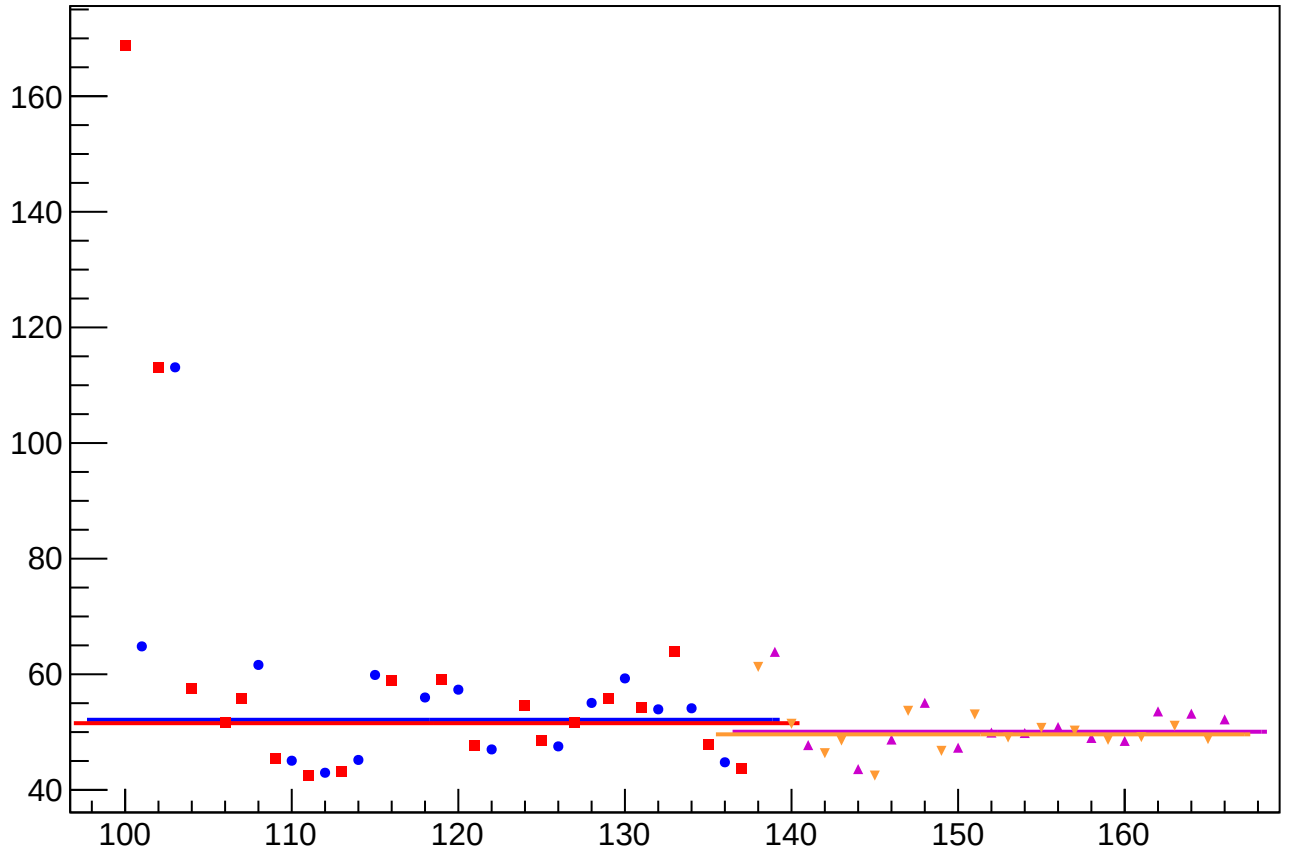
Left: 44.733+/-10.388 χ^2/NDF: 36.3/28

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.267+/-11.919 χ^2/NDF:40.2/29

Out: 41.342+/-11.683 χ^2/NDF:44.6/33

All: 37.385+/-8.343 χ^2/NDF: 85.1/63



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

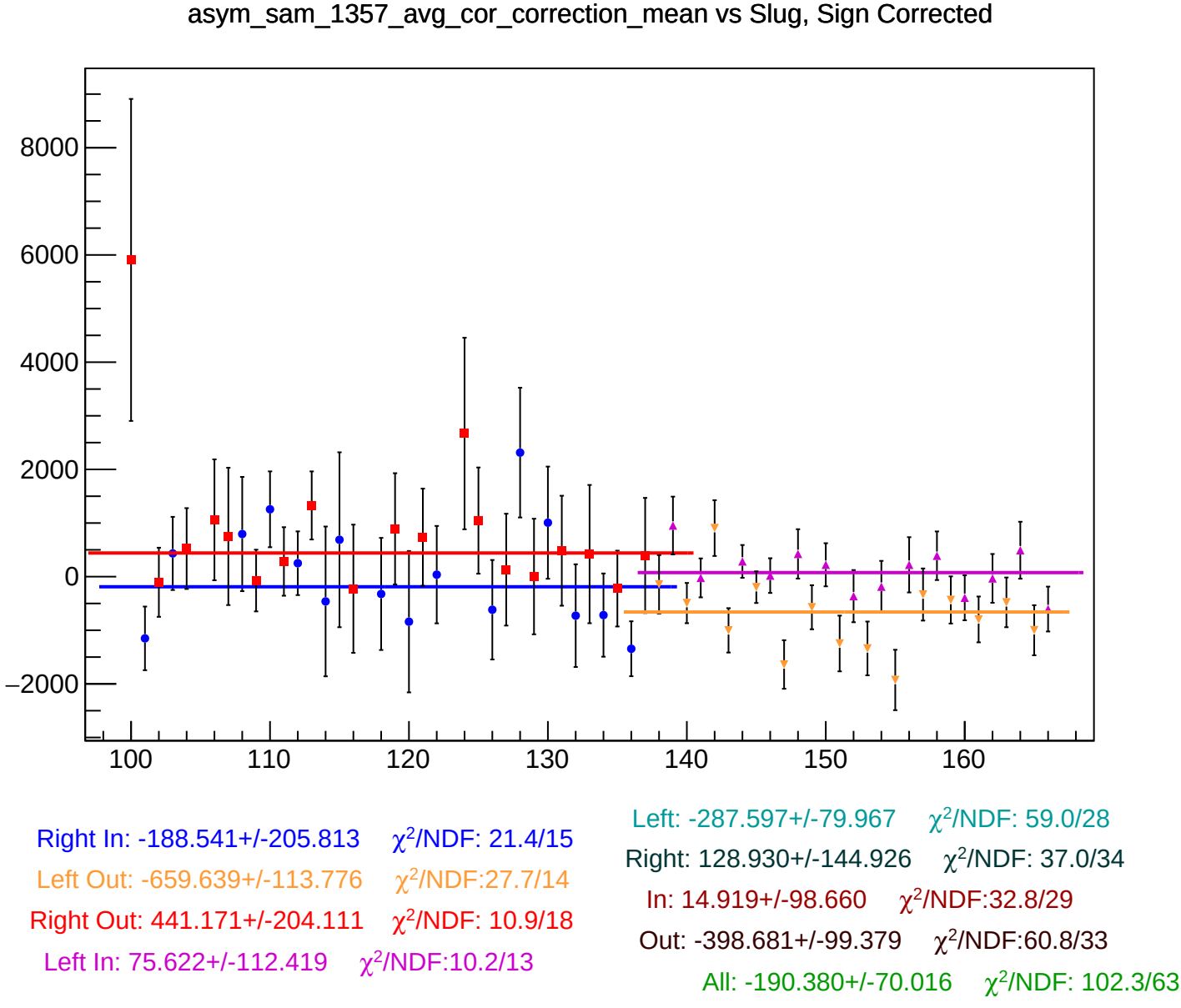
Left: 49.832+/-0.007 χ^2/NDF: 292885.0/28

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.796+/-0.008 χ^2/NDF:735382.7/29

Out: 50.295+/-0.008 χ^2/NDF:785523.7/33

All: 50.540+/-0.006 χ^2/NDF: 1522705.6/63


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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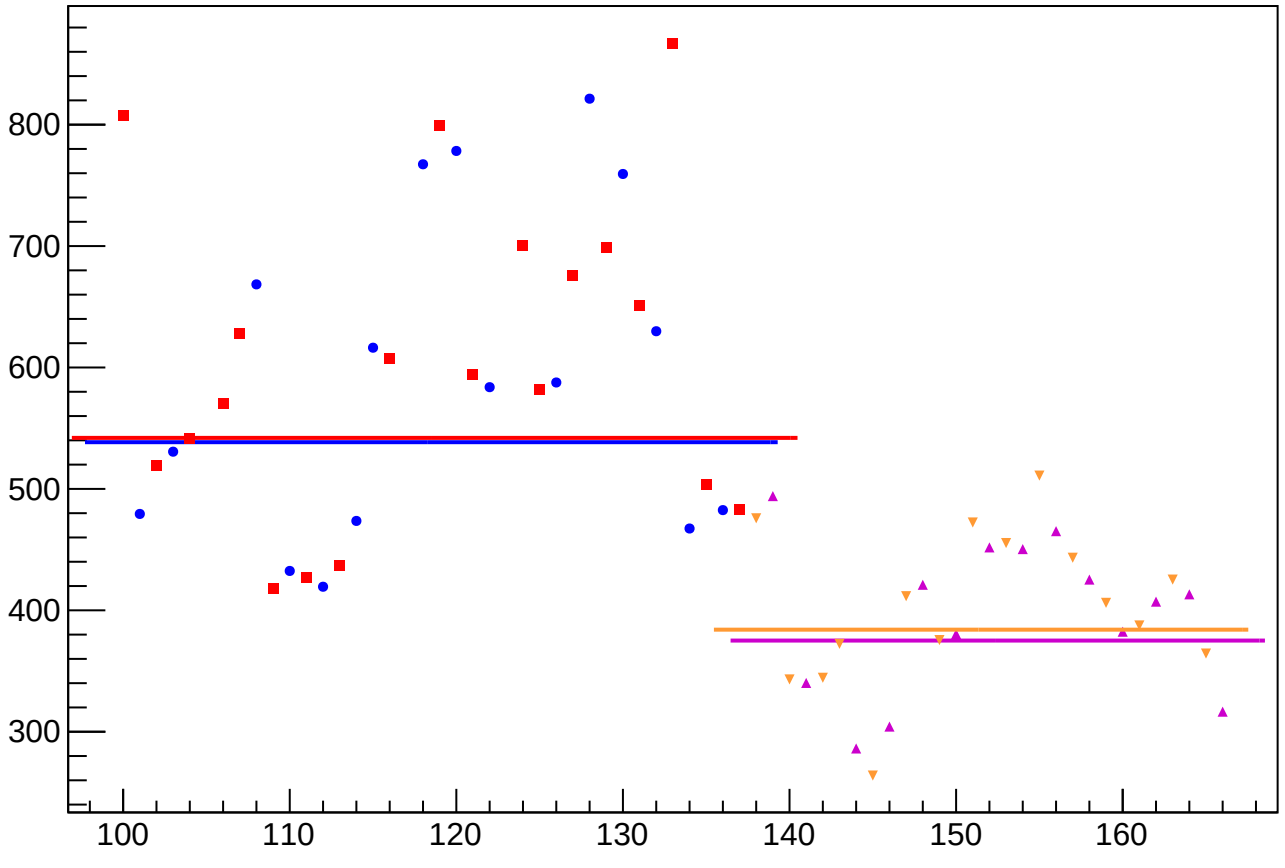
2000
0
−2000
100
110
120
130
140
150
160
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -659.639+/-113.776 χ²/NDF:27.7/14
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: 75.622+/-112.419 χ²/NDF:10.2/13
Left: -287.597+/-79.967 χ²/NDF: 59.0/28
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: 14.919+/-98.660 χ²/NDF:32.8/29
Out: -398.681+/-99.379 χ²/NDF:60.8/33
All: -190.380+/-70.016 χ²/NDF: 102.3/63



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.091+/-0.079 χ^2/NDF:645424.5/13

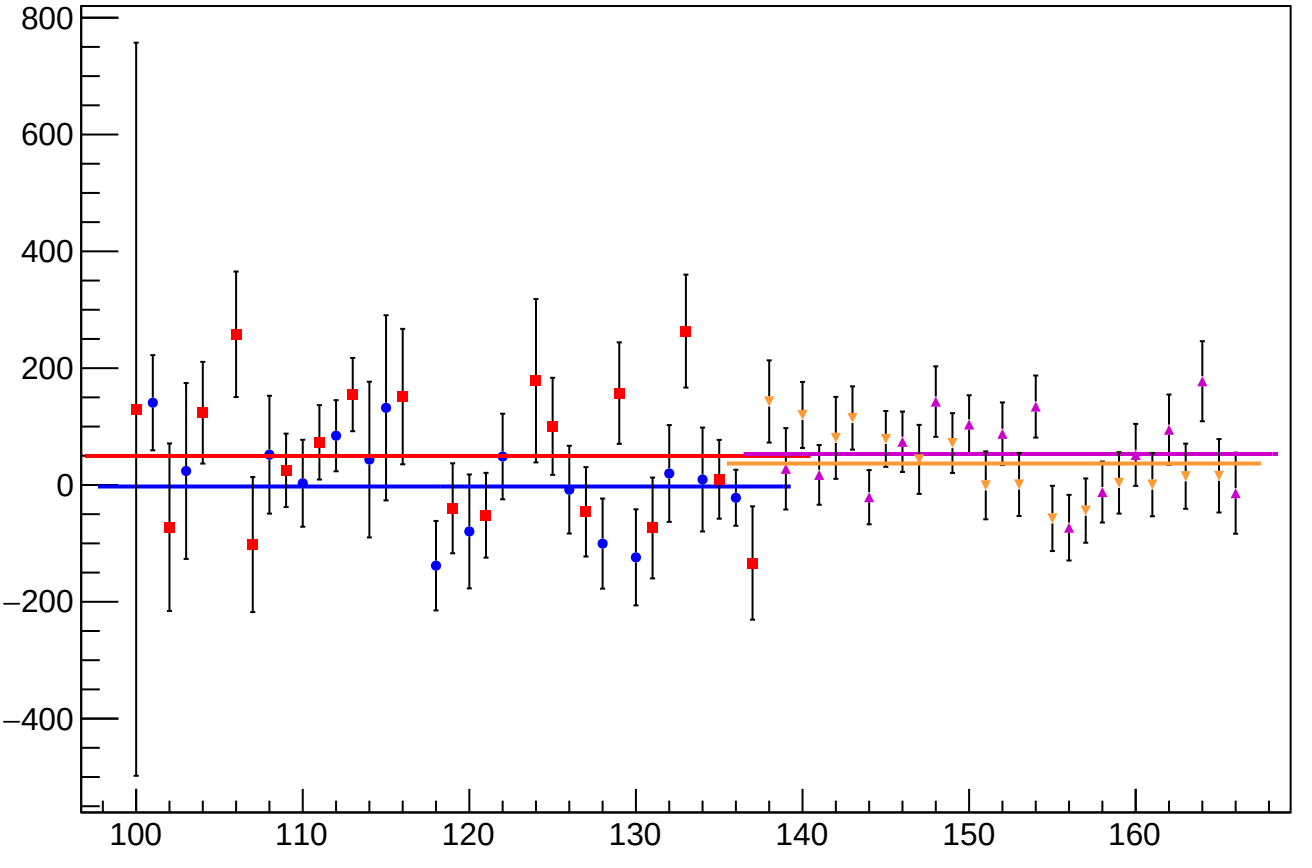
Left: 379.527+/-0.057 χ^2/NDF: 1339781.0/28

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 412.635+/-0.070 χ^2/NDF:2230151.2/29

Out: 421.516+/-0.070 χ^2/NDF:2233406.3/33

All: 417.043+/-0.050 χ^2/NDF: 4471601.5/63


eigen_cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
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−200
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100
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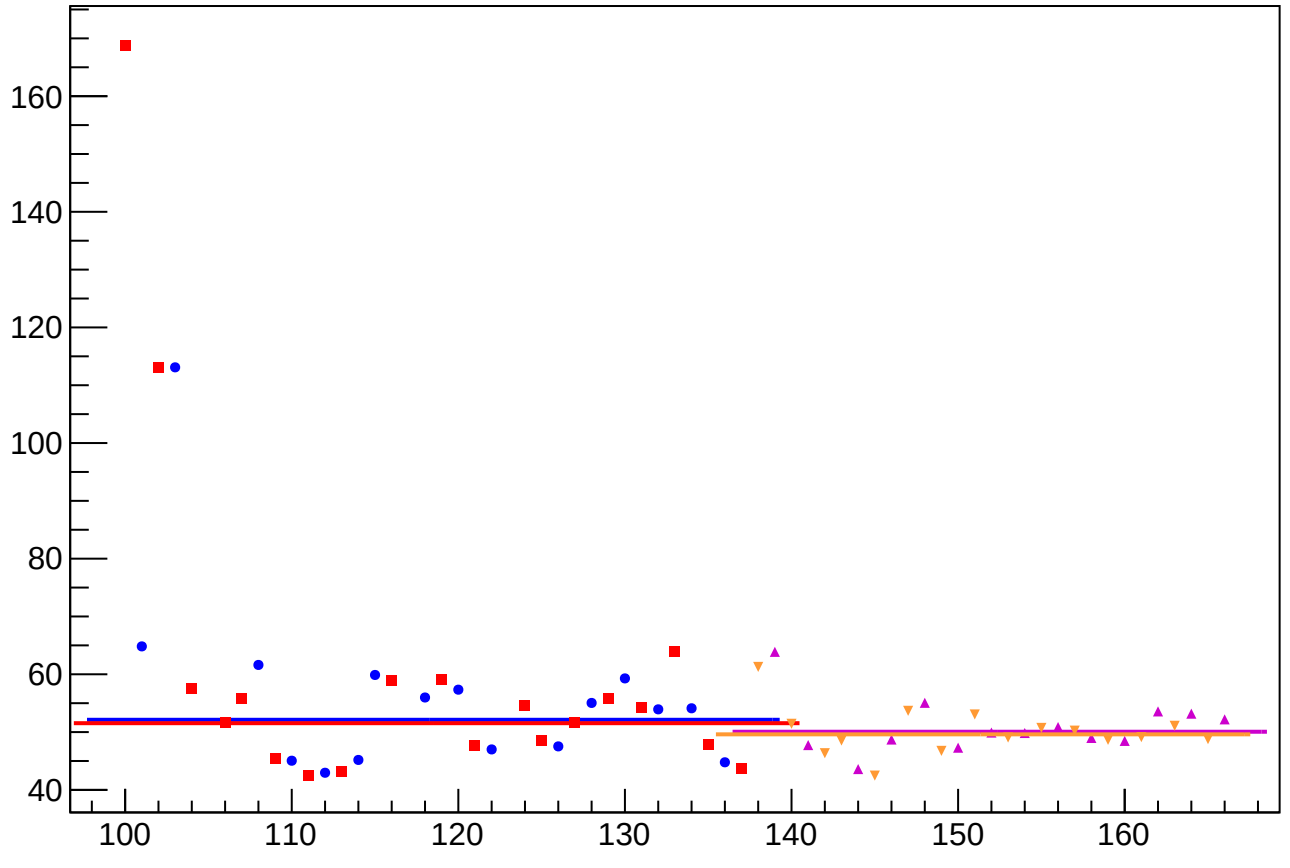
140
150
160
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 36.755+/-14.542 χ²/NDF:15.1/14
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 53.046+/-14.844 χ²/NDF:20.6/13
Left: 44.733+/-10.388 χ²/NDF: 36.3/28
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 33.267+/-11.919 χ²/NDF:40.2/29
Out: 41.342+/-11.683 χ²/NDF:44.6/33
All: 37.385+/-8.343 χ²/NDF: 85.1/63



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.061+/-0.010 χ^2/NDF:158675.7/13

Left: 49.832+/-0.007 χ^2/NDF: 292885.0/28

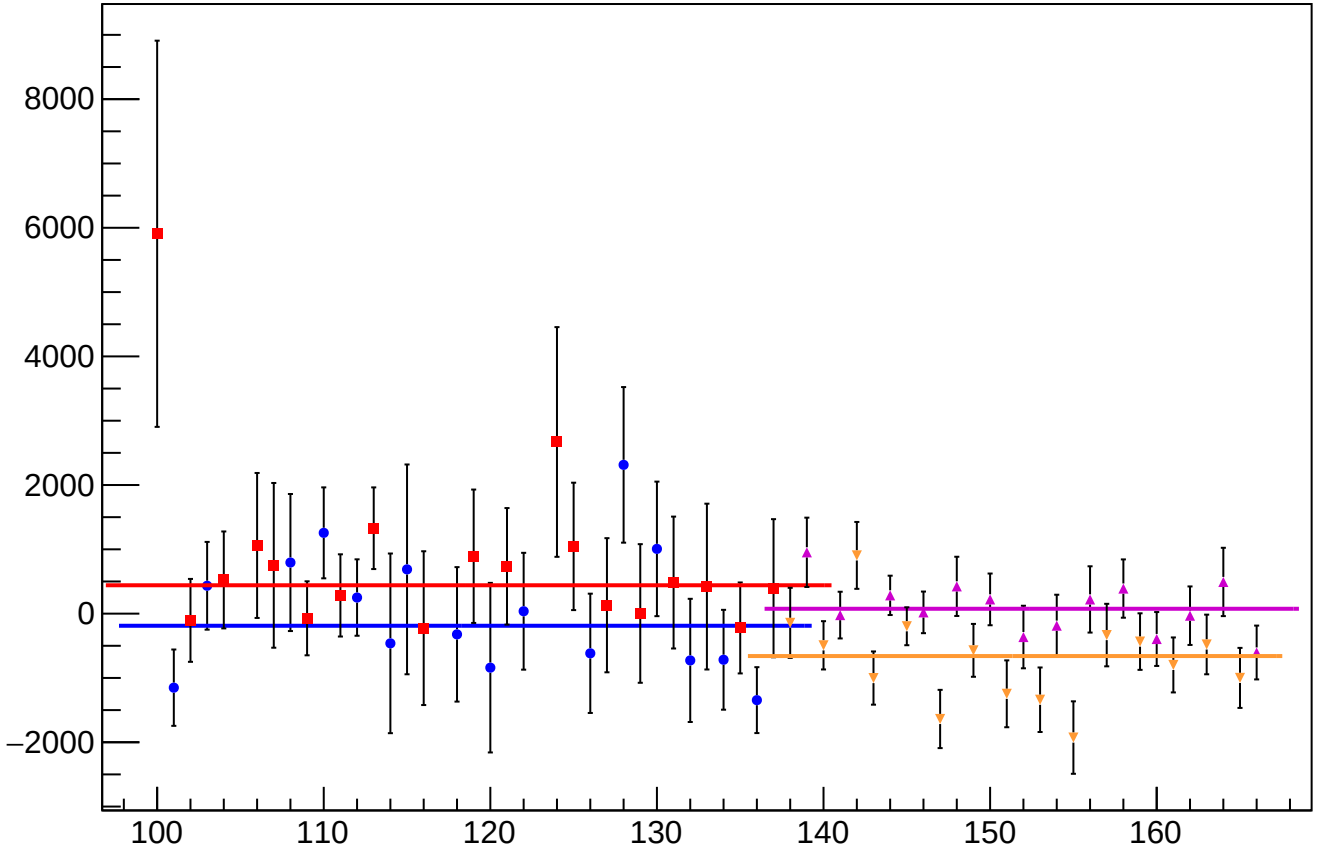
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.796+/-0.008 χ^2/NDF:735382.7/29

Out: 50.295+/-0.008 χ^2/NDF:785523.7/33

All: 50.540+/-0.006 χ^2/NDF: 1522705.6/63

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -659.639+/-113.776 χ^2/NDF:27.7/14

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 75.622+/-112.419 χ^2/NDF:10.2/13

Left: -287.597+/-79.967 χ^2/NDF: 59.0/28

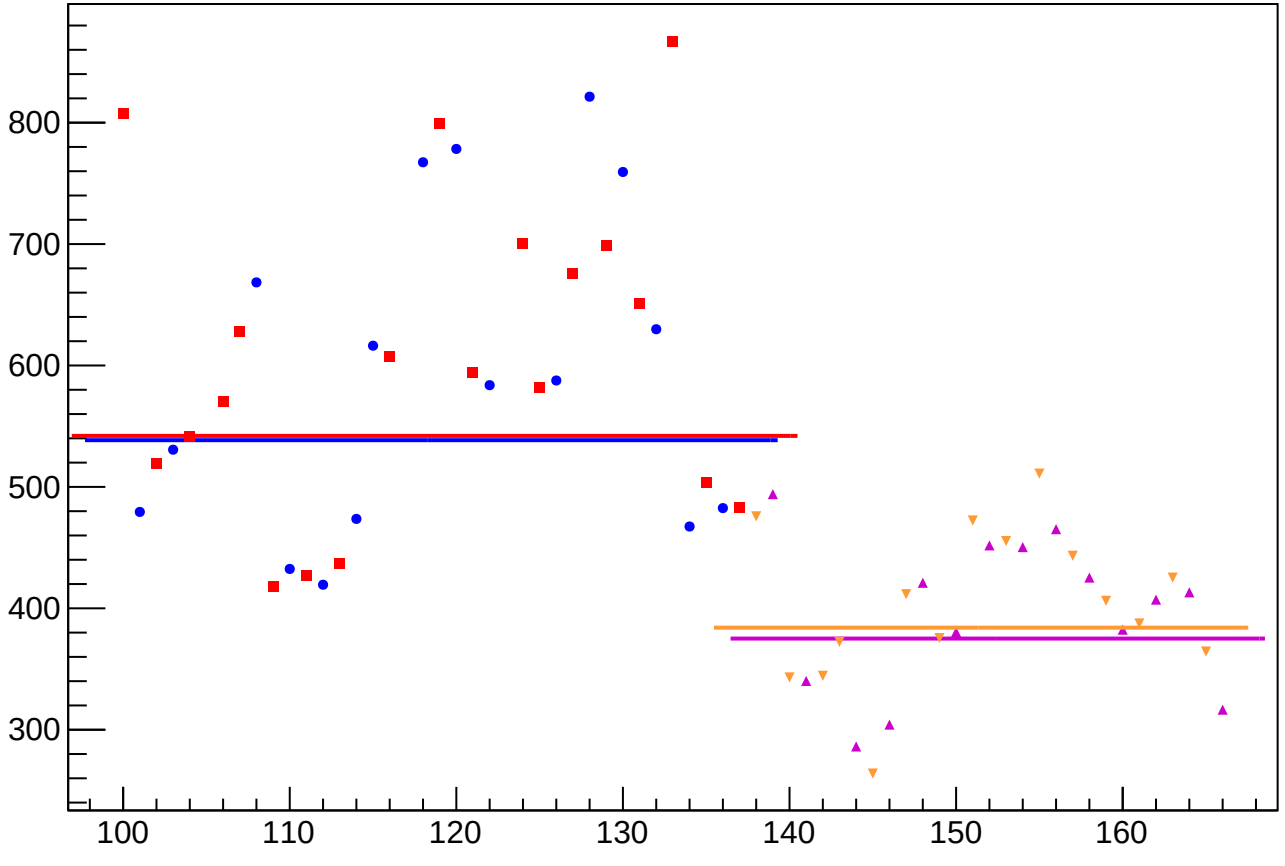
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 14.919+/-98.660 χ^2/NDF:32.8/29

Out: -398.681+/-99.379 χ^2/NDF:60.8/33

All: -190.380+/-70.016 χ^2/NDF: 102.3/63

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.091+/-0.079 χ^2/NDF:645424.5/13

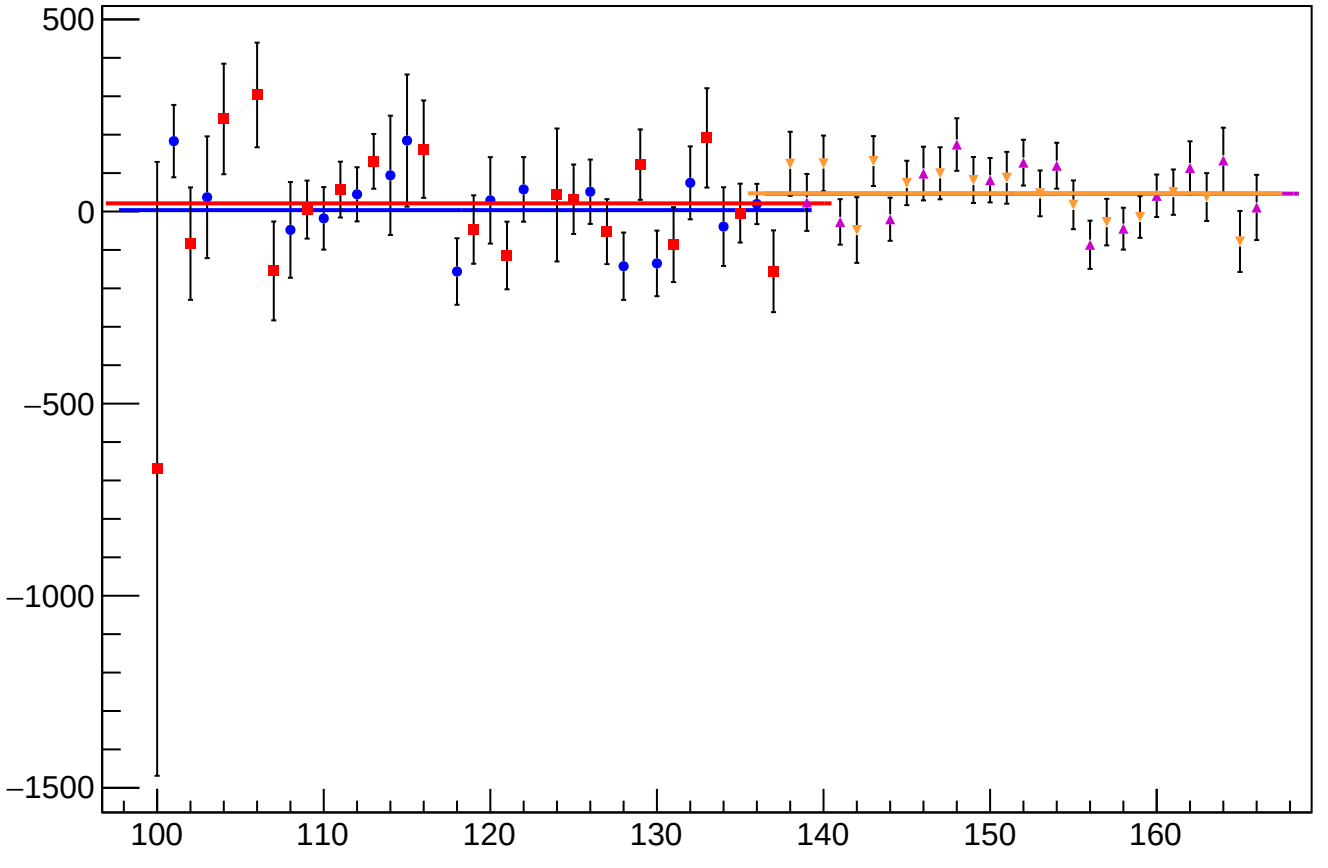
Left: 379.527+/-0.057 χ^2/NDF: 1339781.0/28

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 412.635+/-0.070 χ^2/NDF:2230151.2/29

Out: 421.516+/-0.070 χ^2/NDF:2233406.3/33

All: 417.043+/-0.050 χ^2/NDF: 4471601.5/63



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.461+/-16.735 χ^2/NDF:12.0/14

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 46.508+/-16.980 χ^2/NDF:20.2/13

Left: 46.992+/-11.919 χ^2/NDF: 32.2/28

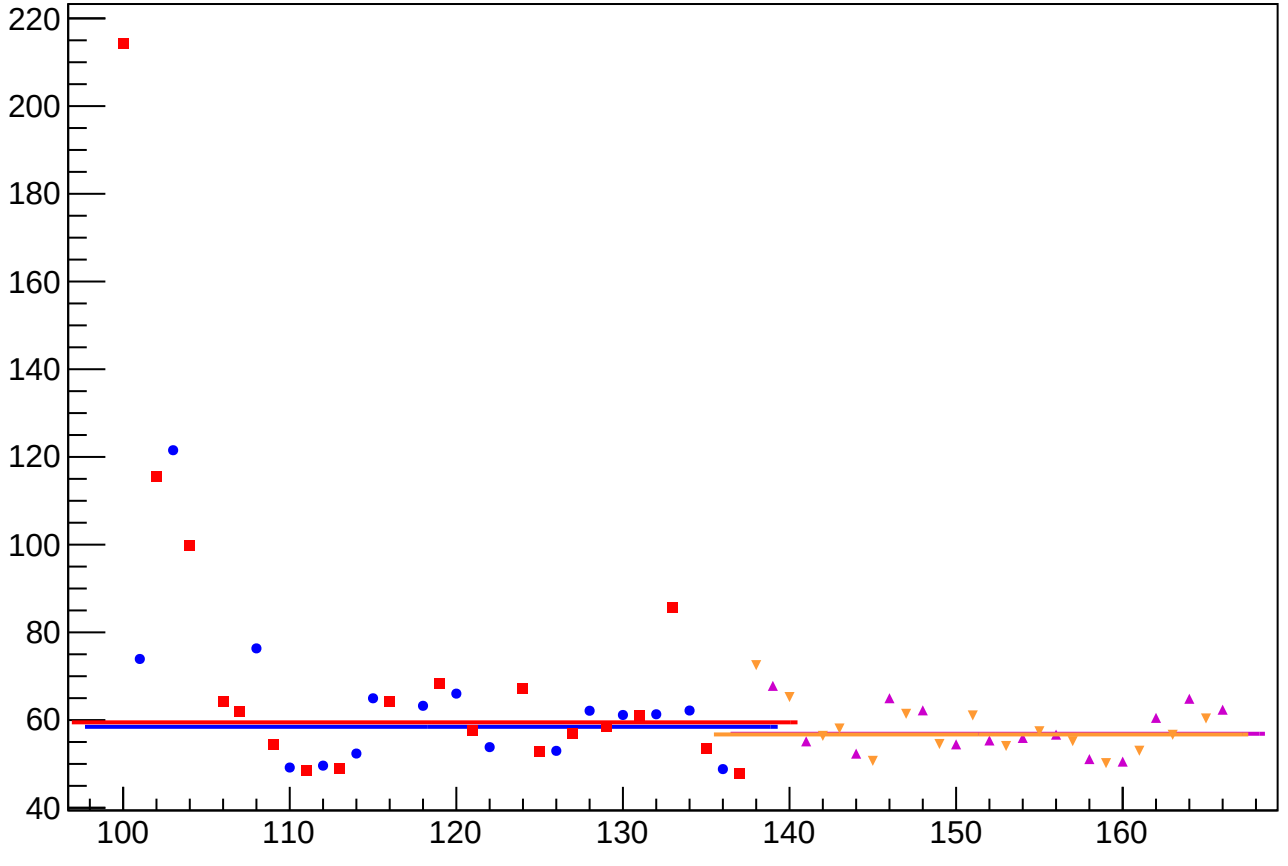
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 30.919+/-13.549 χ^2/NDF:38.7/29

Out: 38.269+/-13.485 χ^2/NDF:37.3/33

All: 34.611+/-9.558 χ^2/NDF: 76.1/63

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.725+/-0.012 χ^2/NDF:189332.7/14

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.879+/-0.012 χ^2/NDF:182892.0/13

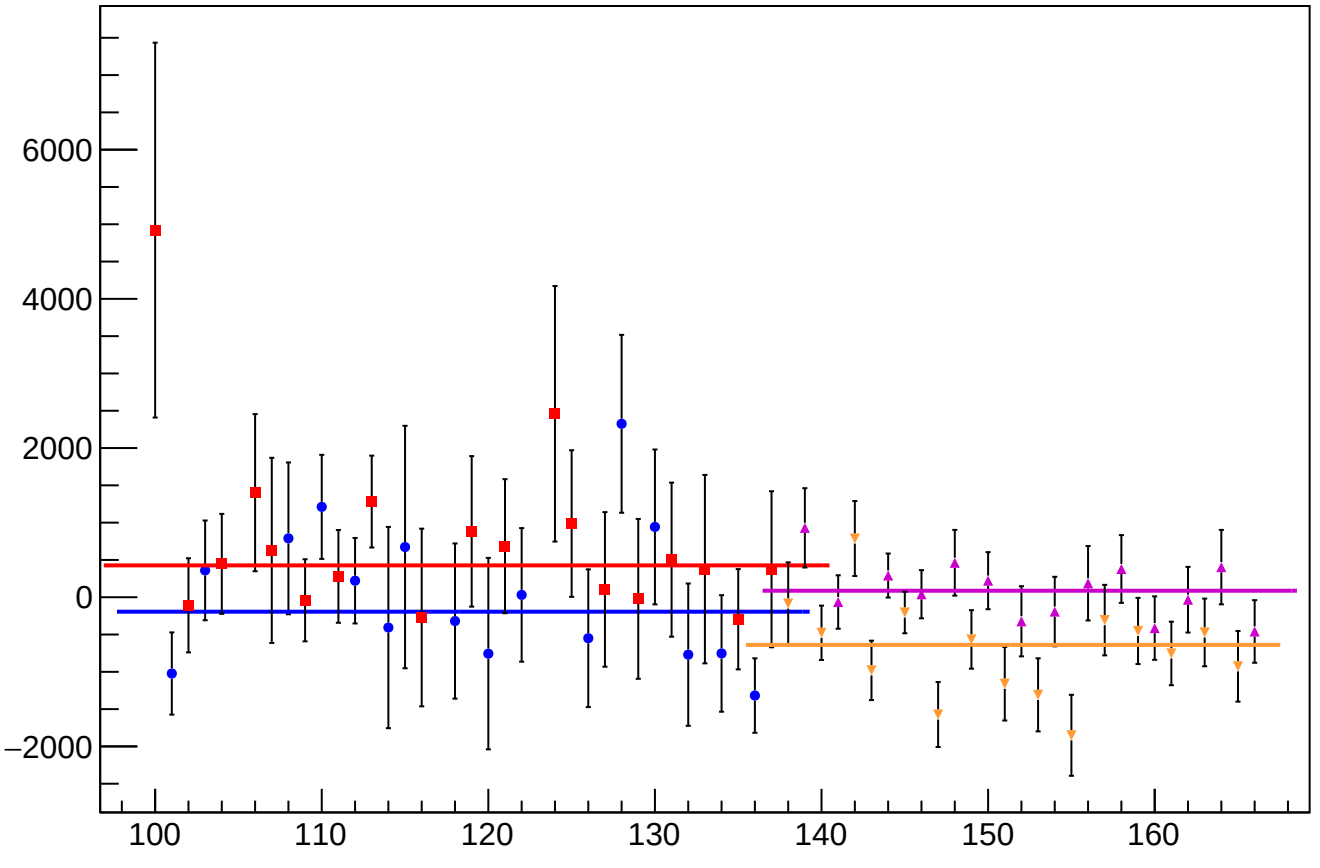
Left: 56.801+/-0.008 χ^2/NDF: 372308.4/28

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.455+/-0.010 χ^2/NDF:772219.1/29

Out: 57.692+/-0.010 χ^2/NDF:993284.9/33

All: 57.574+/-0.007 χ^2/NDF: 1765812.1/63



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 87.210+/-109.936 χ^2/NDF:9.2/13

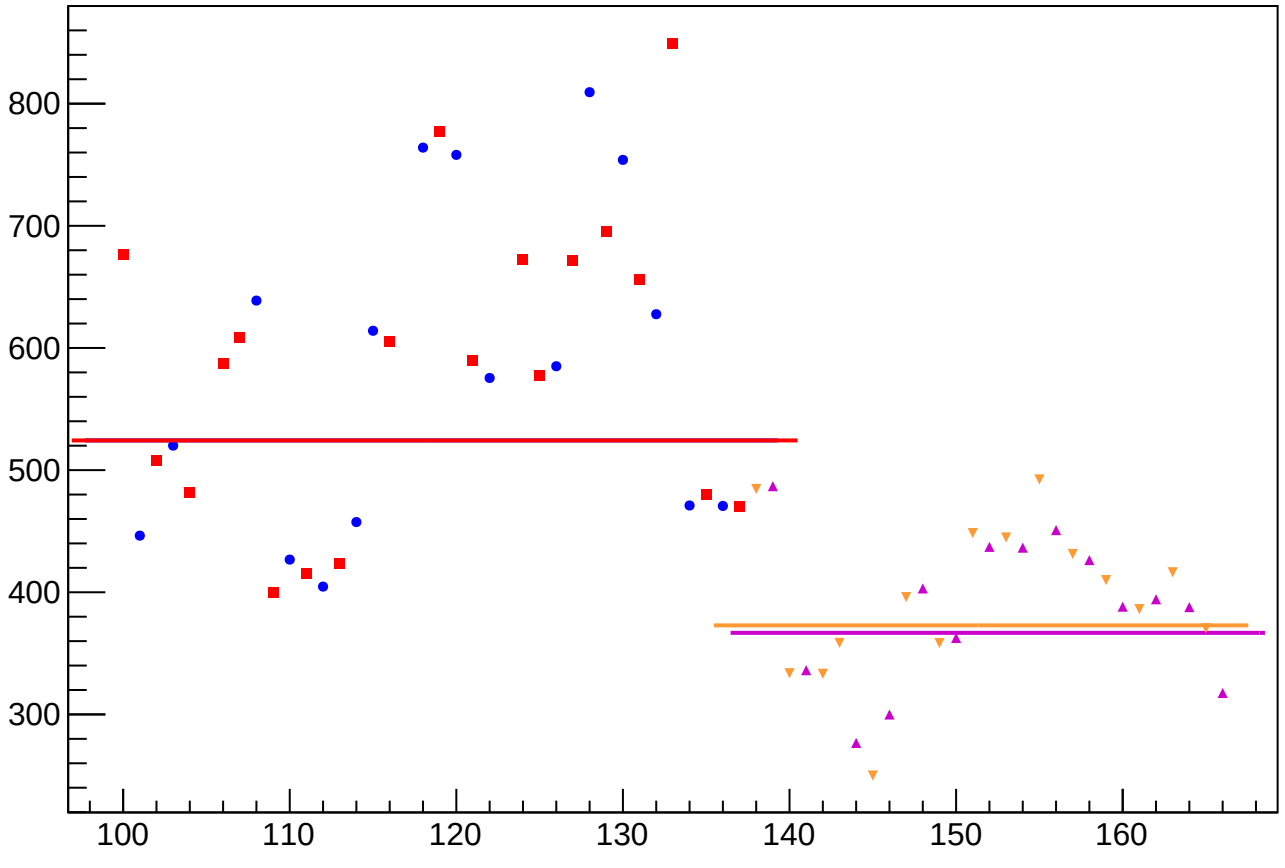
Left: -273.961+/-77.948 χ^2/NDF: 57.1/28

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 22.283+/-96.408 χ^2/NDF:31.5/29

Out: -383.831+/-96.399 χ^2/NDF:59.8/33

All: -180.793+/-68.168 χ^2/NDF: 100.2/63



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 372.907+/-0.078 χ^2/NDF:771272.1/14

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 366.788+/-0.078 χ^2/NDF:627277.2/13

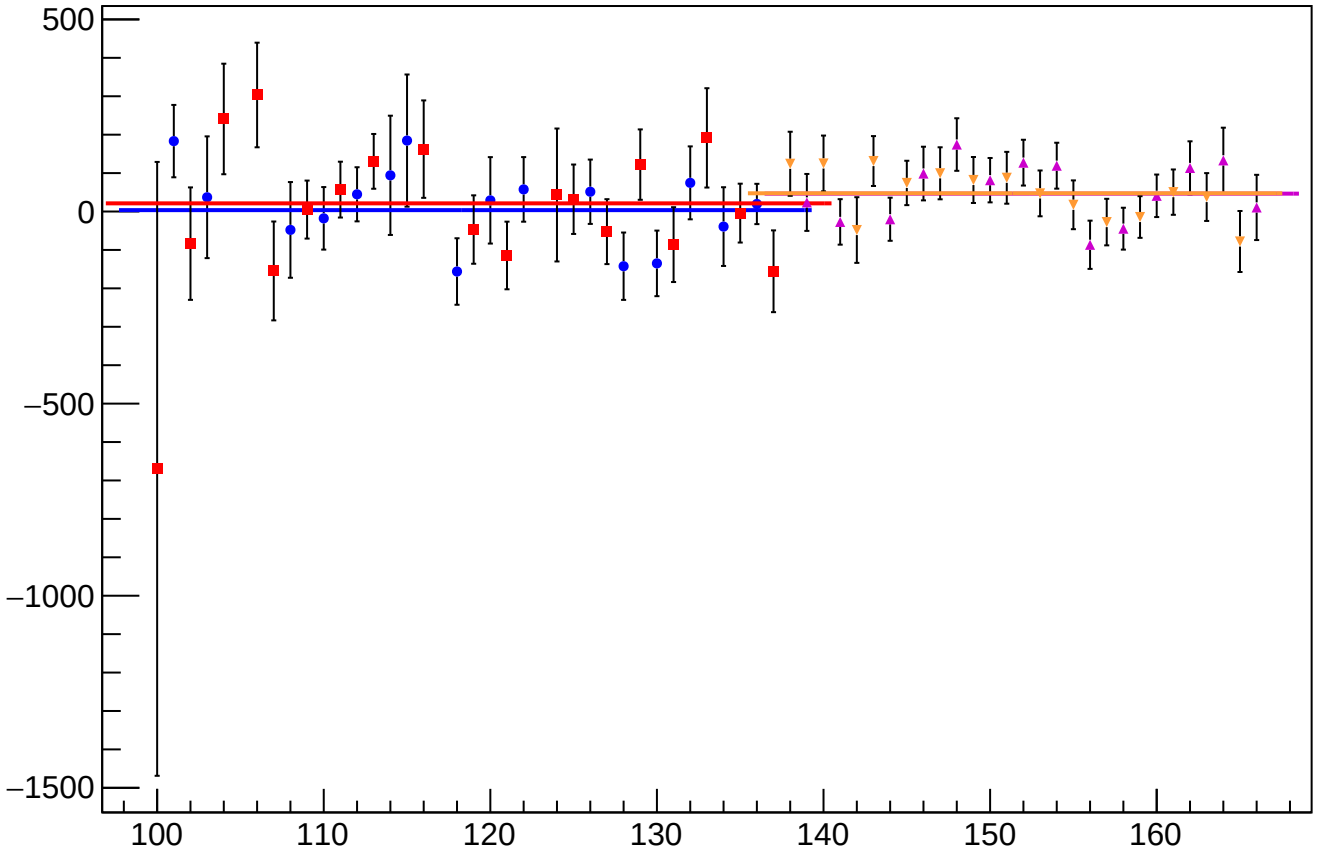
Left: 369.831+/-0.055 χ^2/NDF: 1401630.4/28

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 403.174+/-0.068 χ^2/NDF:2234339.6/29

Out: 409.158+/-0.068 χ^2/NDF:2355714.0/33

All: 406.166+/-0.048 χ^2/NDF: 4593906.1/63



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.463+/-16.736 χ^2/NDF:12.0/14

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 46.508+/-16.981 χ^2/NDF:20.2/13

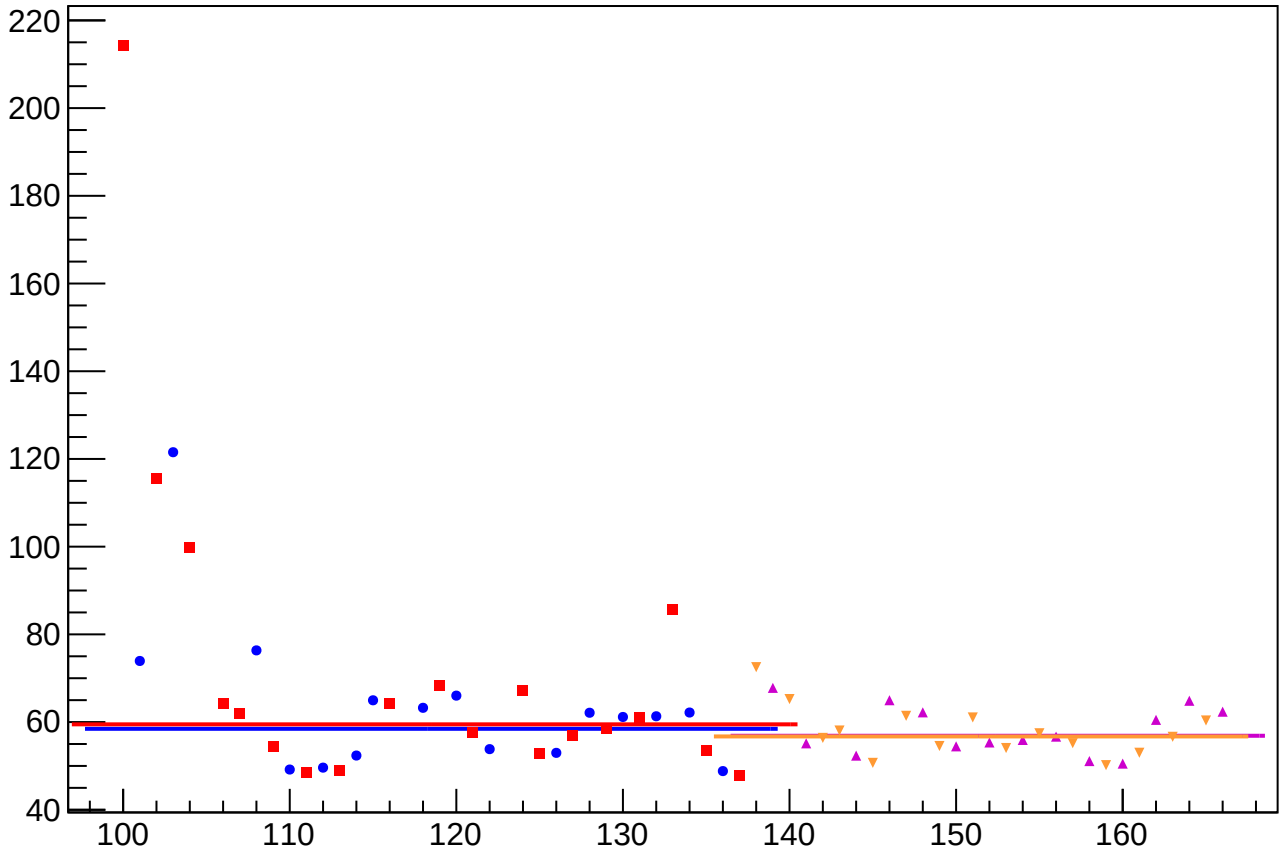
Left: 46.992+/-11.920 χ^2/NDF: 32.2/28

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 30.919+/-13.549 χ^2/NDF:38.7/29

Out: 38.269+/-13.485 χ^2/NDF:37.3/33

All: 34.611+/-9.558 χ^2/NDF: 76.1/63



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.725+/-0.012 χ^2/NDF:189337.1/14

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.879+/-0.012 χ^2/NDF:182893.7/13

Left: 56.801+/-0.008 χ^2/NDF: 372314.5/28

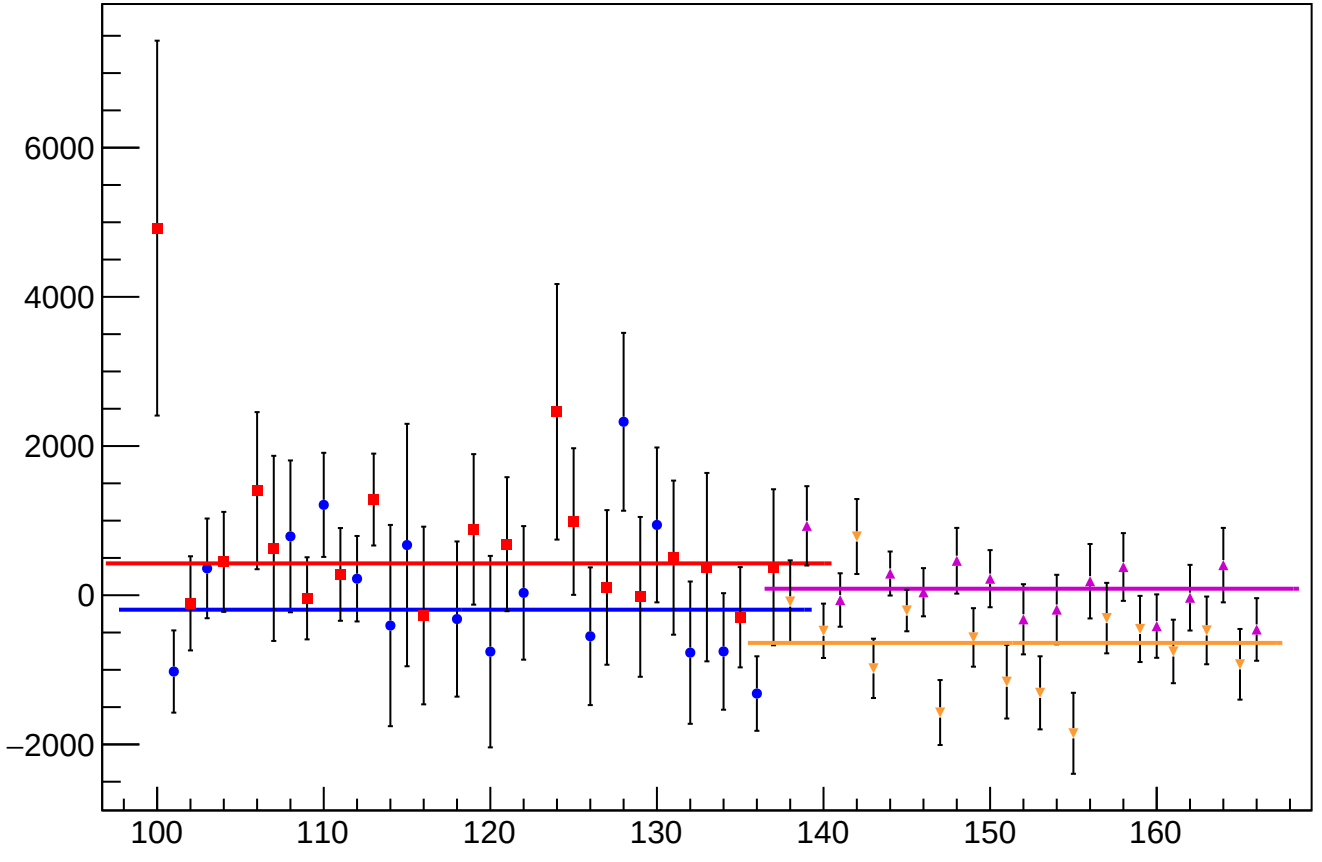
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.455+/-0.010 χ^2/NDF:772216.8/29

Out: 57.693+/-0.010 χ^2/NDF:993288.6/33

All: 57.575+/-0.007 χ^2/NDF: 1765813.6/63

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 87.210+/-109.936 χ^2/NDF:9.2/13

Left: -273.961+/-77.948 χ^2/NDF: 57.1/28

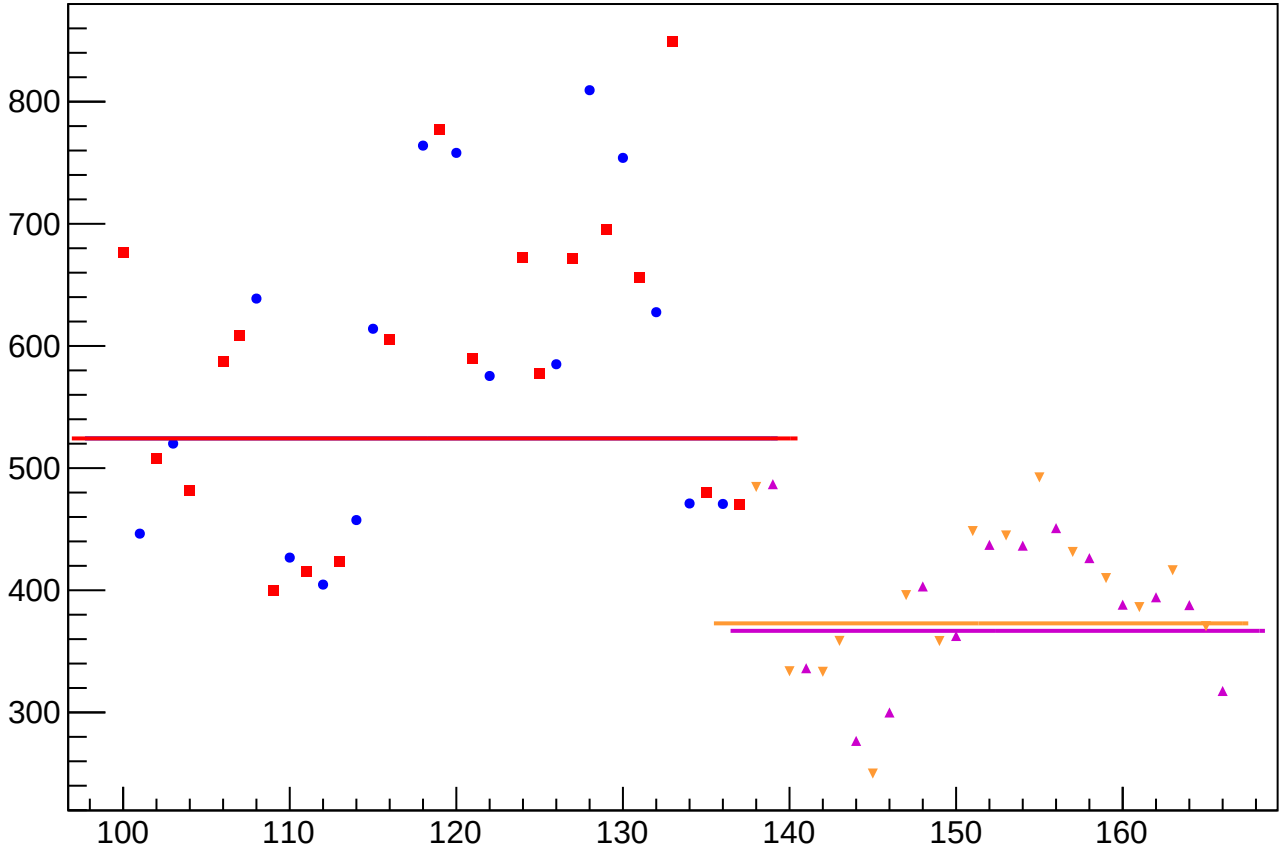
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 22.283+/-96.408 χ^2/NDF:31.5/29

Out: -383.830+/-96.399 χ^2/NDF:59.8/33

All: -180.793+/-68.168 χ^2/NDF: 100.2/63

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 372.906+/-0.078 χ^2/NDF:771268.6/14

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 366.787+/-0.078 χ^2/NDF:627273.5/13

Left: 369.830+/-0.055 χ^2/NDF: 1401623.1/28

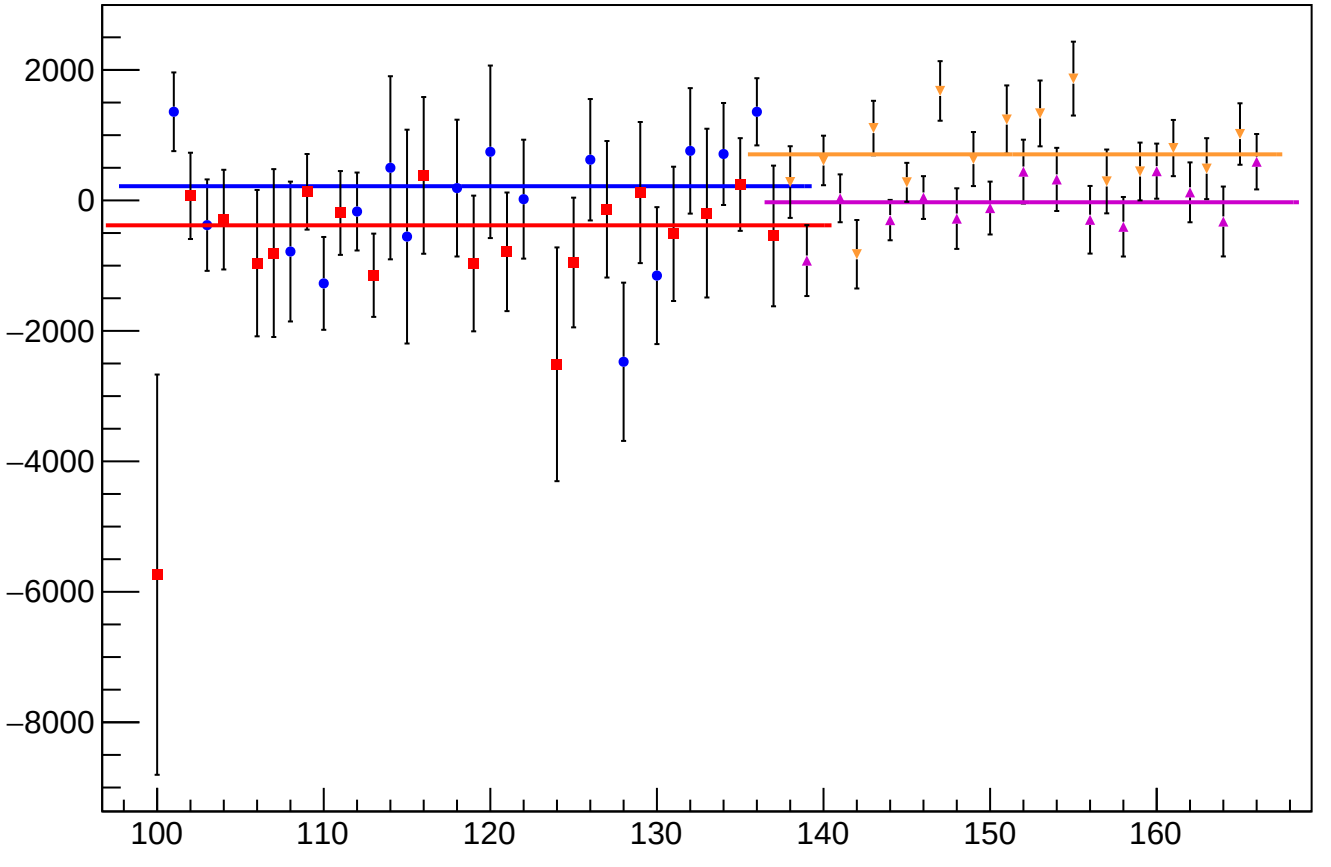
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 403.174+/-0.068 χ^2/NDF:2234335.1/29

Out: 409.157+/-0.068 χ^2/NDF:2355707.0/33

All: 406.166+/-0.048 χ^2/NDF: 4593894.5/63

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 706.125+/-114.787 χ^2/NDF:25.3/14

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -28.284+/-113.497 χ^2/NDF:10.1/13

Left: 334.770+/-80.707 χ^2/NDF: 56.1/28

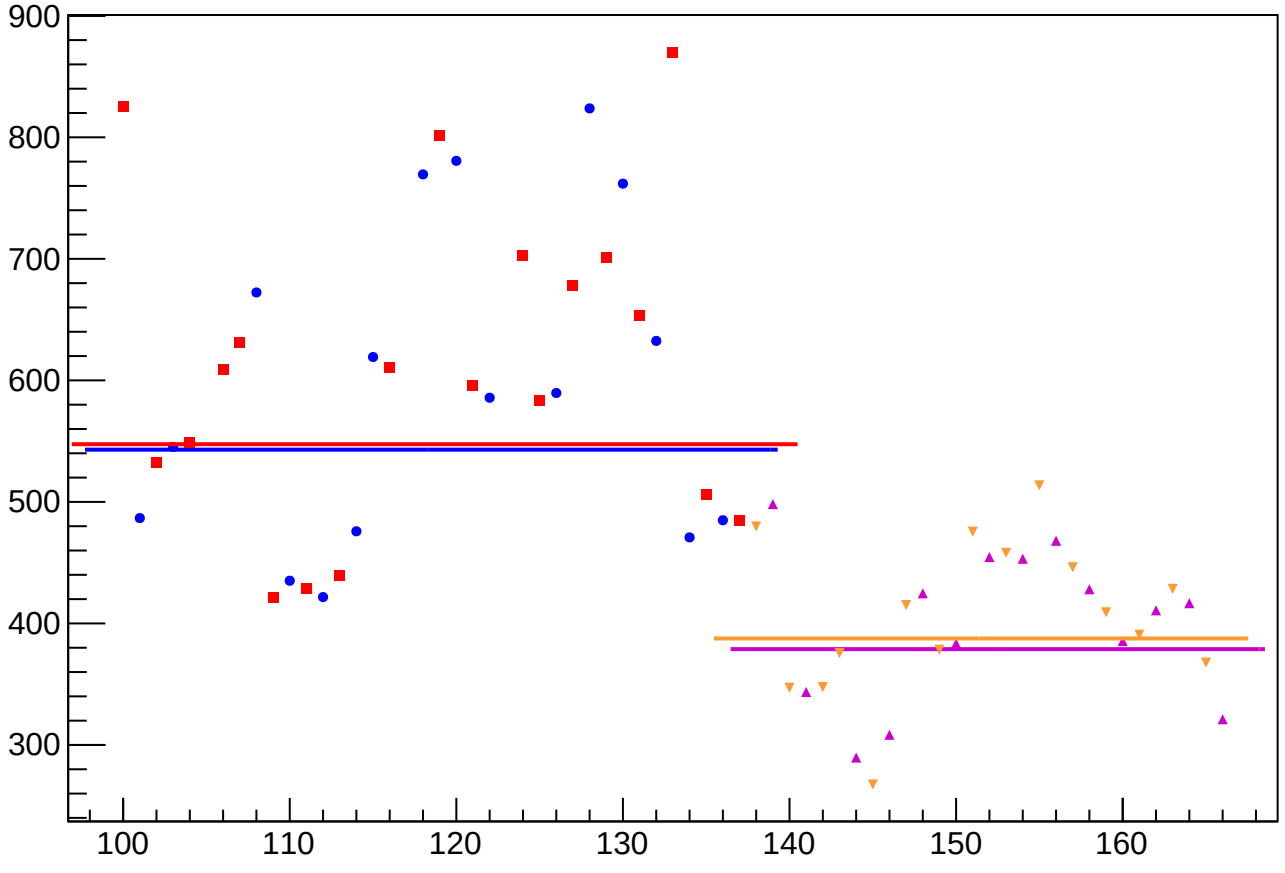
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 28.378+/-99.574 χ^2/NDF:34.1/29

Out: 447.563+/-100.223 χ^2/NDF:56.6/33

All: 236.608+/-70.638 χ^2/NDF: 99.5/63

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 387.630+/-0.081 χ^2/NDF:670937.0/14

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.851+/-0.080 χ^2/NDF:627980.6/13

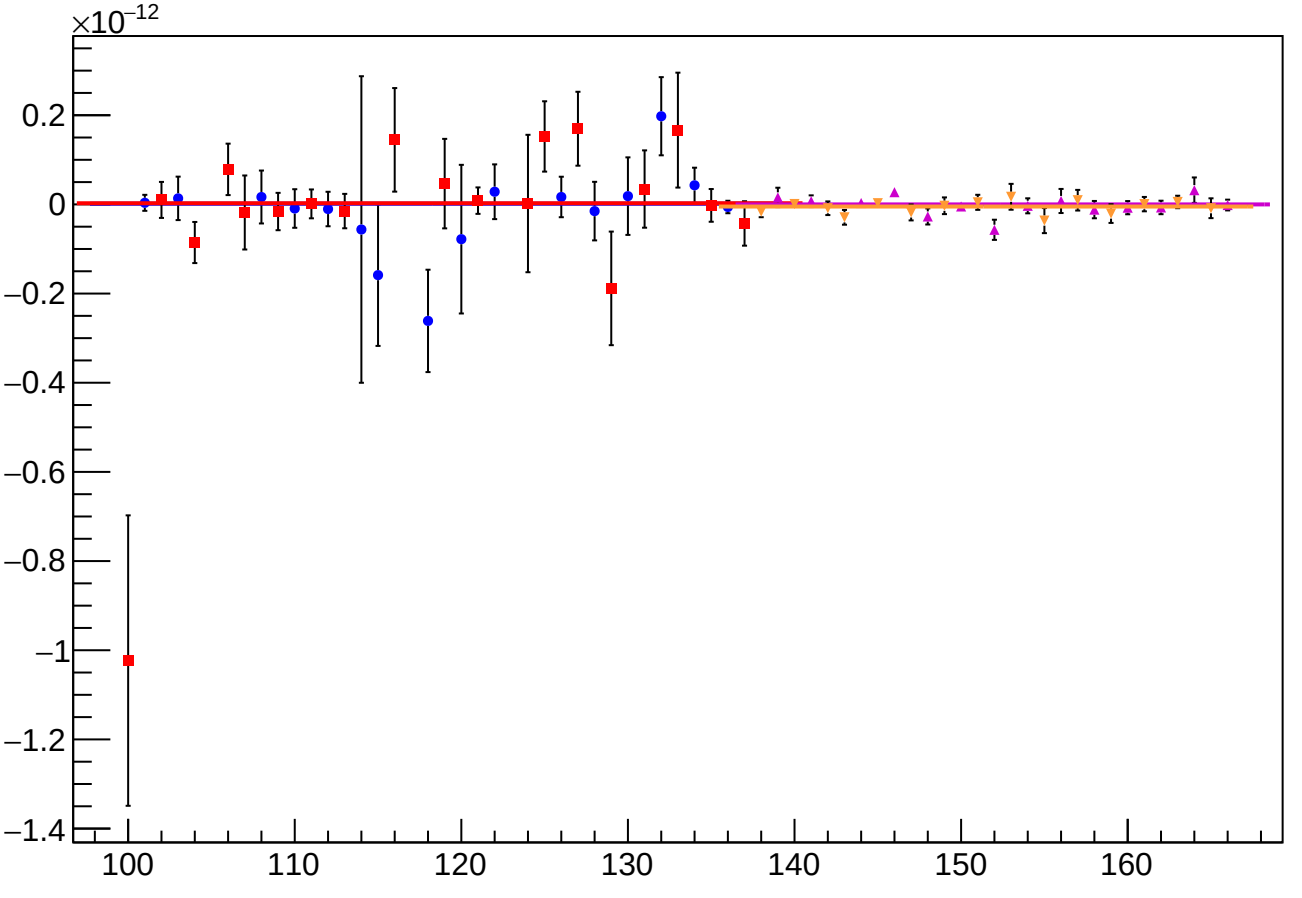
Left: 383.191+/-0.057 χ^2/NDF: 1304832.7/28

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 416.653+/-0.070 χ^2/NDF:2196646.5/29

Out: 425.616+/-0.071 χ^2/NDF:2222814.0/33

All: 421.105+/-0.050 χ^2/NDF: 4427509.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/13

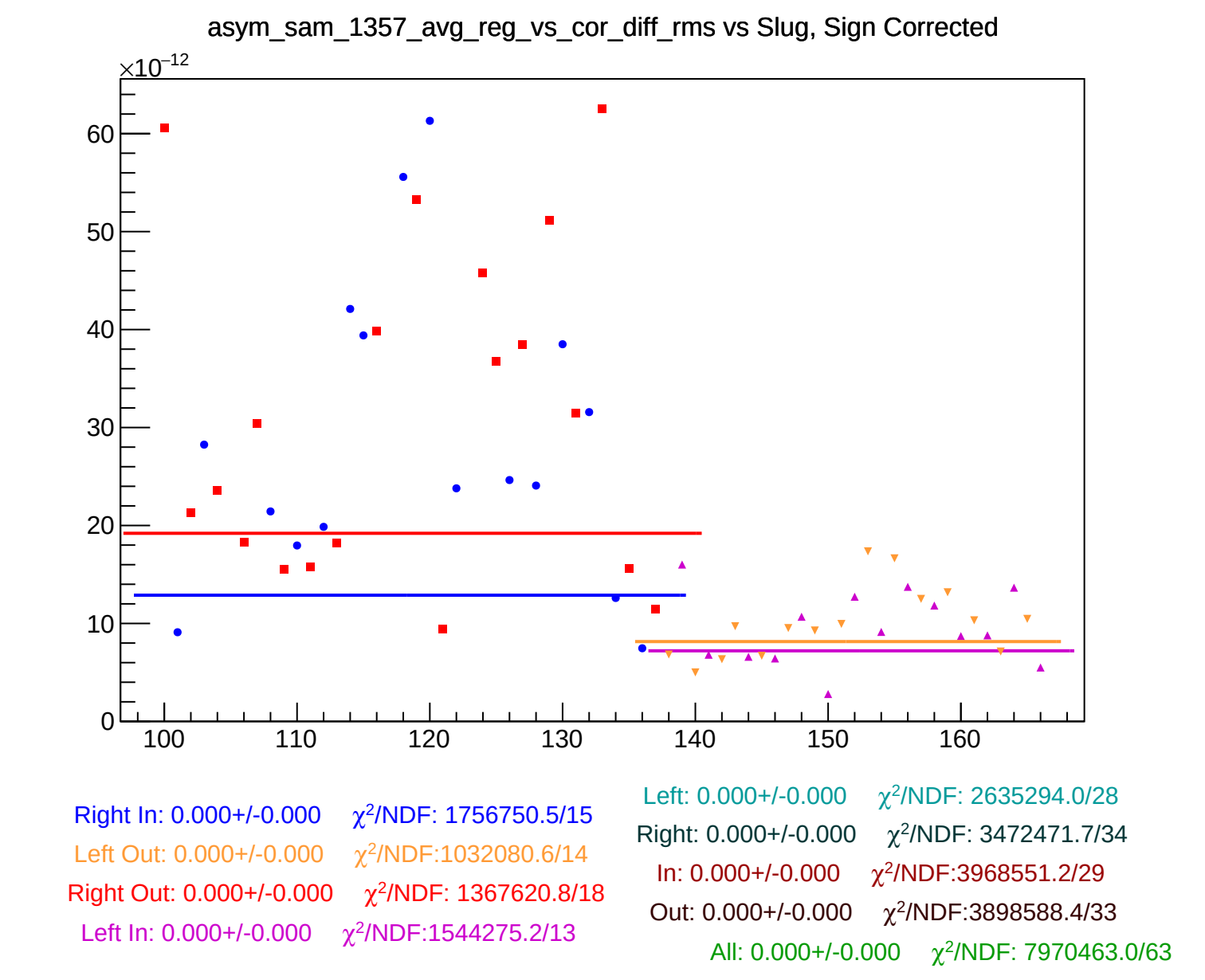
Left: -0.000+/-0.000 χ^2/NDF: 27.1/28

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

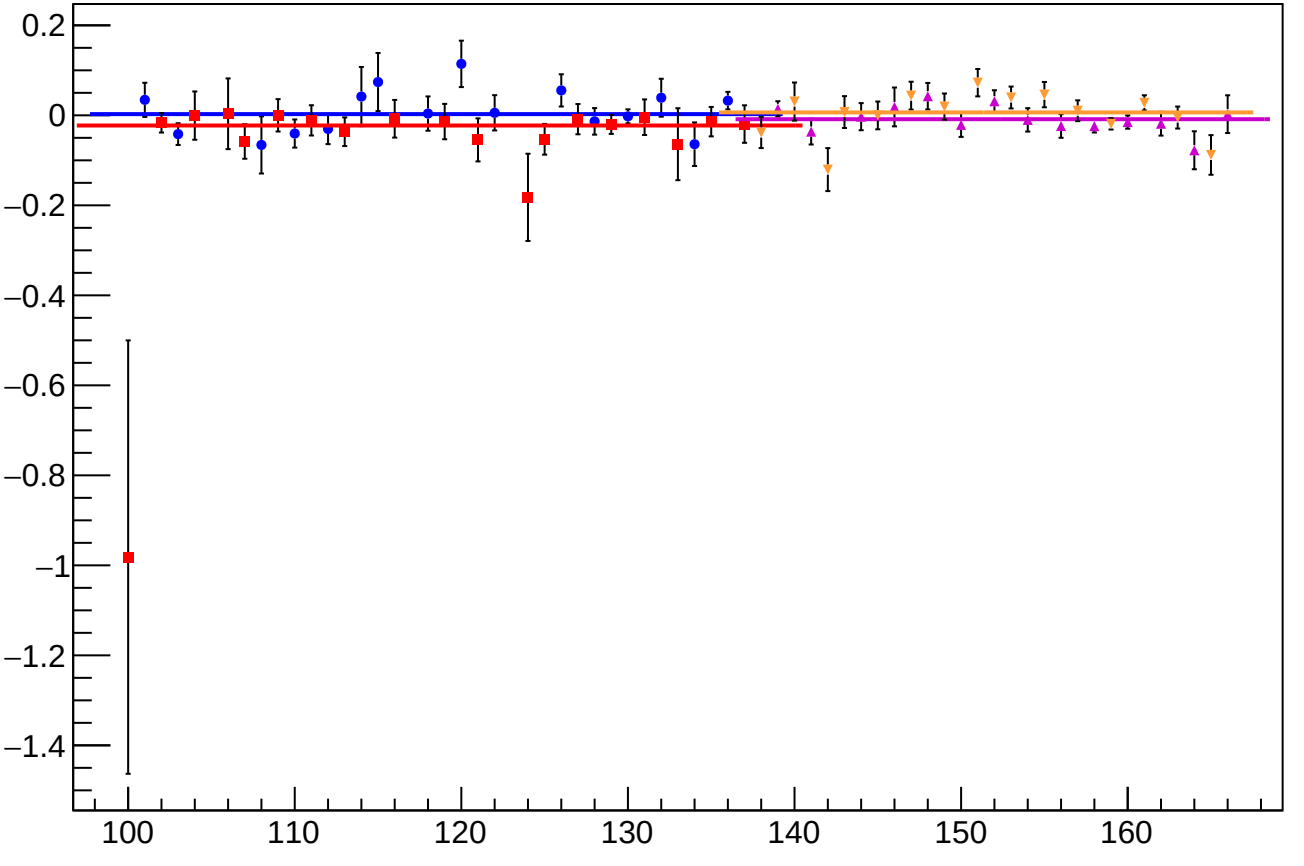
In: 0.000+/-0.000 χ^2/NDF:31.7/29

Out: -0.000+/-0.000 χ^2/NDF:38.7/33

All: -0.000+/-0.000 χ^2/NDF: 71.0/63


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1032080.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1544275.2/13
Left: 0.000+/-0.000 χ²/NDF: 2635294.0/28
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3968551.2/29
Out: 0.000+/-0.000 χ²/NDF:3898588.4/33
All: 0.000+/-0.000 χ²/NDF: 7970463.0/63

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.001+/-0.005 χ^2/NDF: 46.2/28

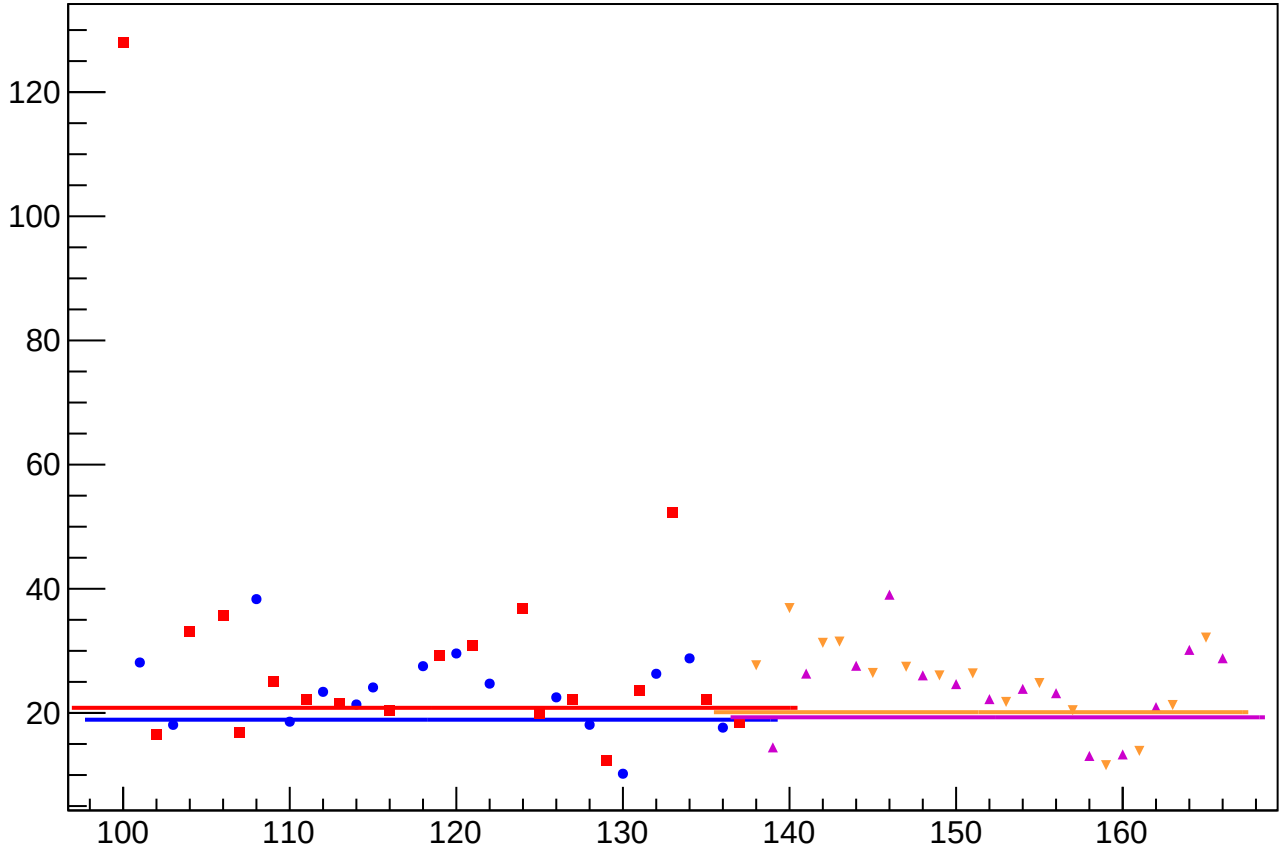
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.9/63

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489553.7/14

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.296+/-0.004 χ^2/NDF:2127005.5/13

Left: 19.693+/-0.003 χ^2/NDF: 4633326.2/28

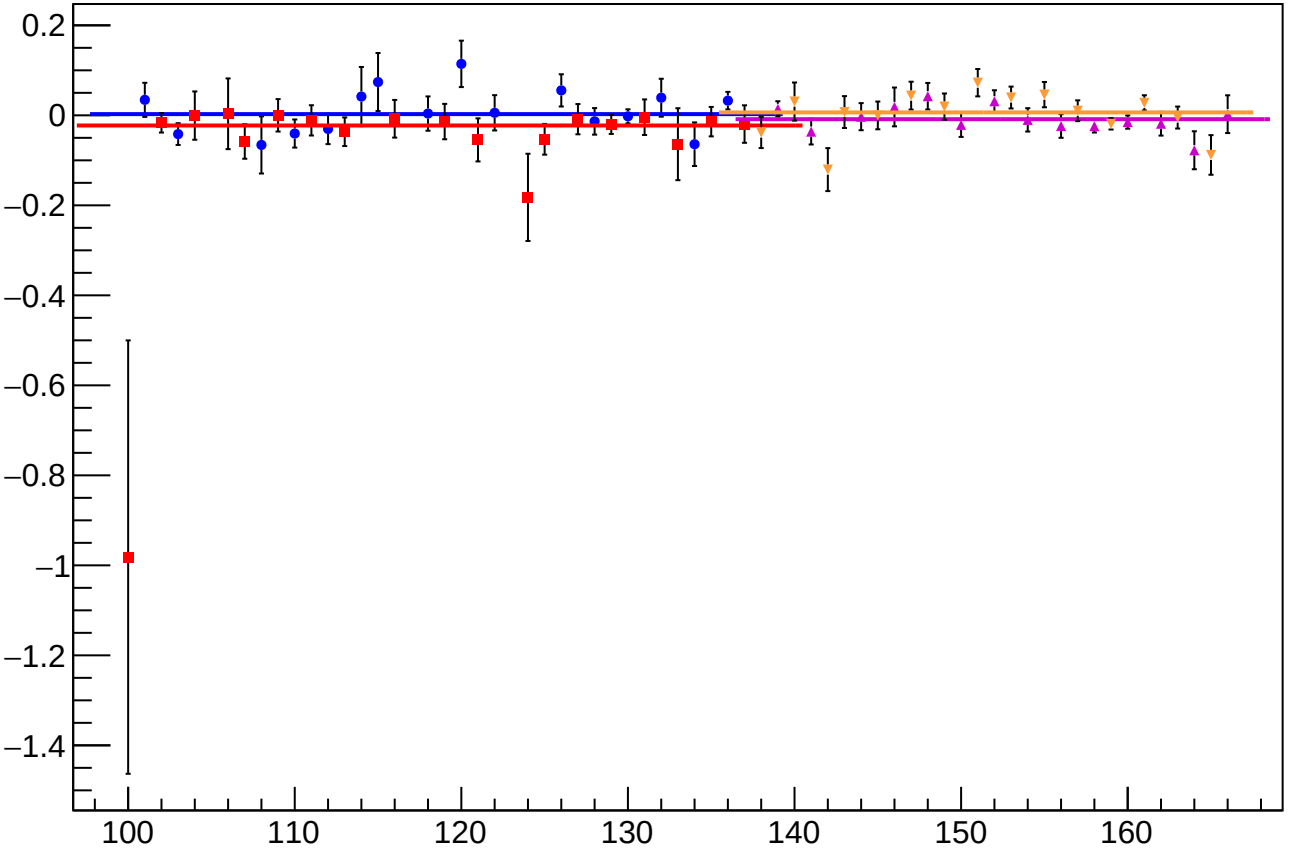
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.145+/-0.003 χ^2/NDF:3520312.9/29

Out: 20.383+/-0.004 χ^2/NDF:3789861.5/33

All: 19.731+/-0.003 χ^2/NDF: 7371038.4/63

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.001+/-0.005 χ^2/NDF: 46.2/28

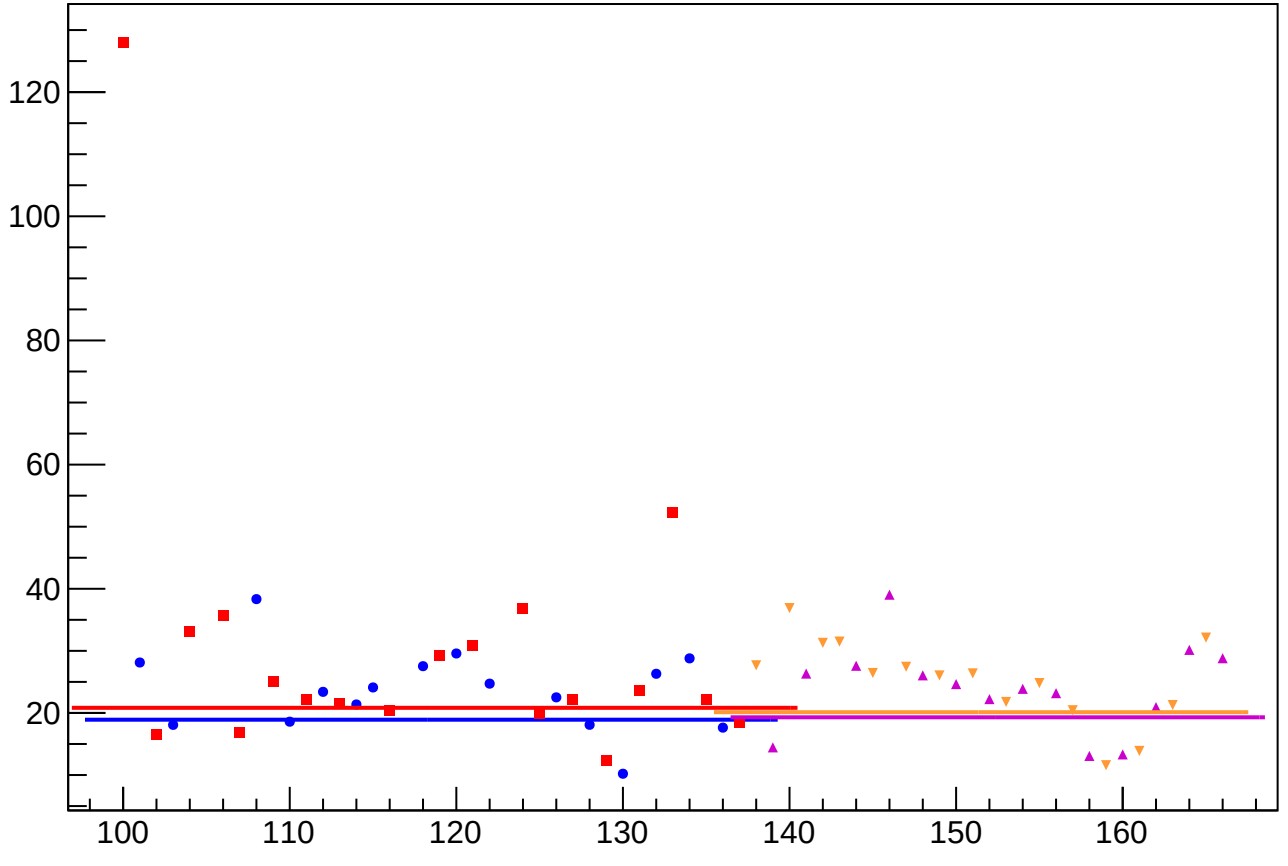
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.9/63

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489553.7/14

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.296+/-0.004 χ^2/NDF:2127005.5/13

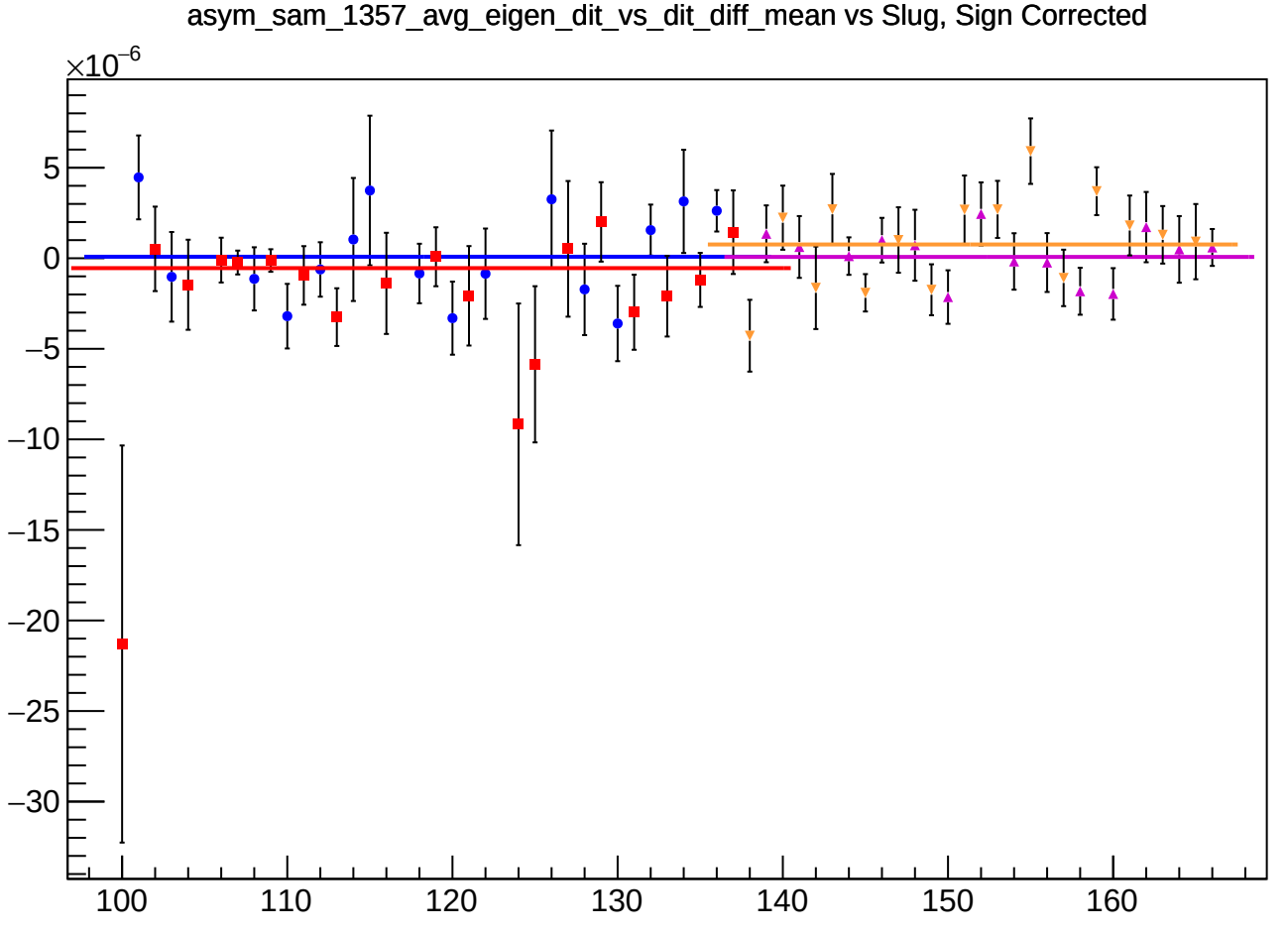
Left: 19.693+/-0.003 χ^2/NDF: 4633326.2/28

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.145+/-0.003 χ^2/NDF:3520312.9/29

Out: 20.383+/-0.004 χ^2/NDF:3789861.5/33

All: 19.731+/-0.003 χ^2/NDF: 7371038.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

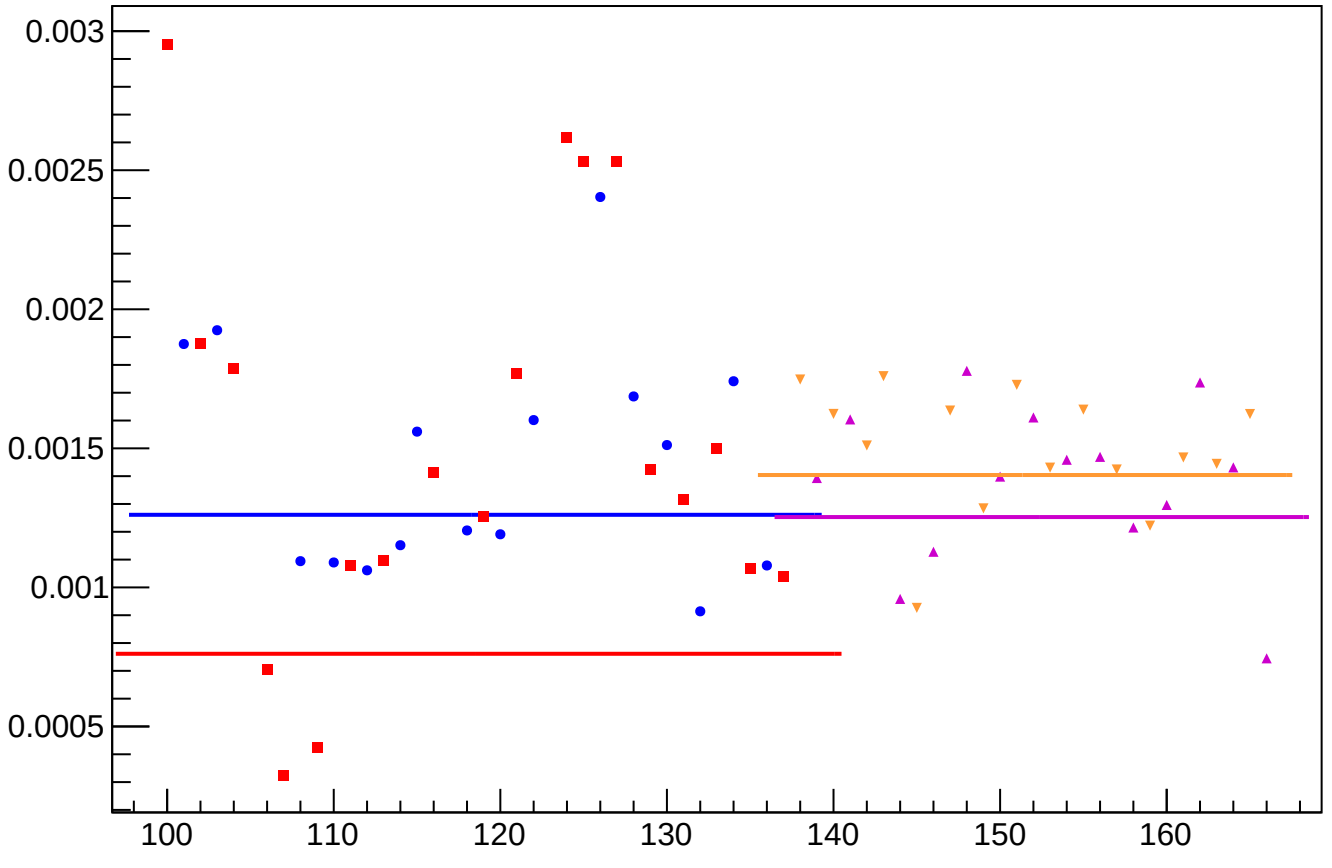
Left: 0.000+/-0.000 χ^2/NDF: 49.0/28

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.4/29

Out: -0.000+/-0.000 χ^2/NDF:58.2/33

All: 0.000+/-0.000 χ^2/NDF: 92.7/63



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:795686.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1245203.8/13

Left: 0.001+/-0.000 χ^2/NDF: 2183165.6/28

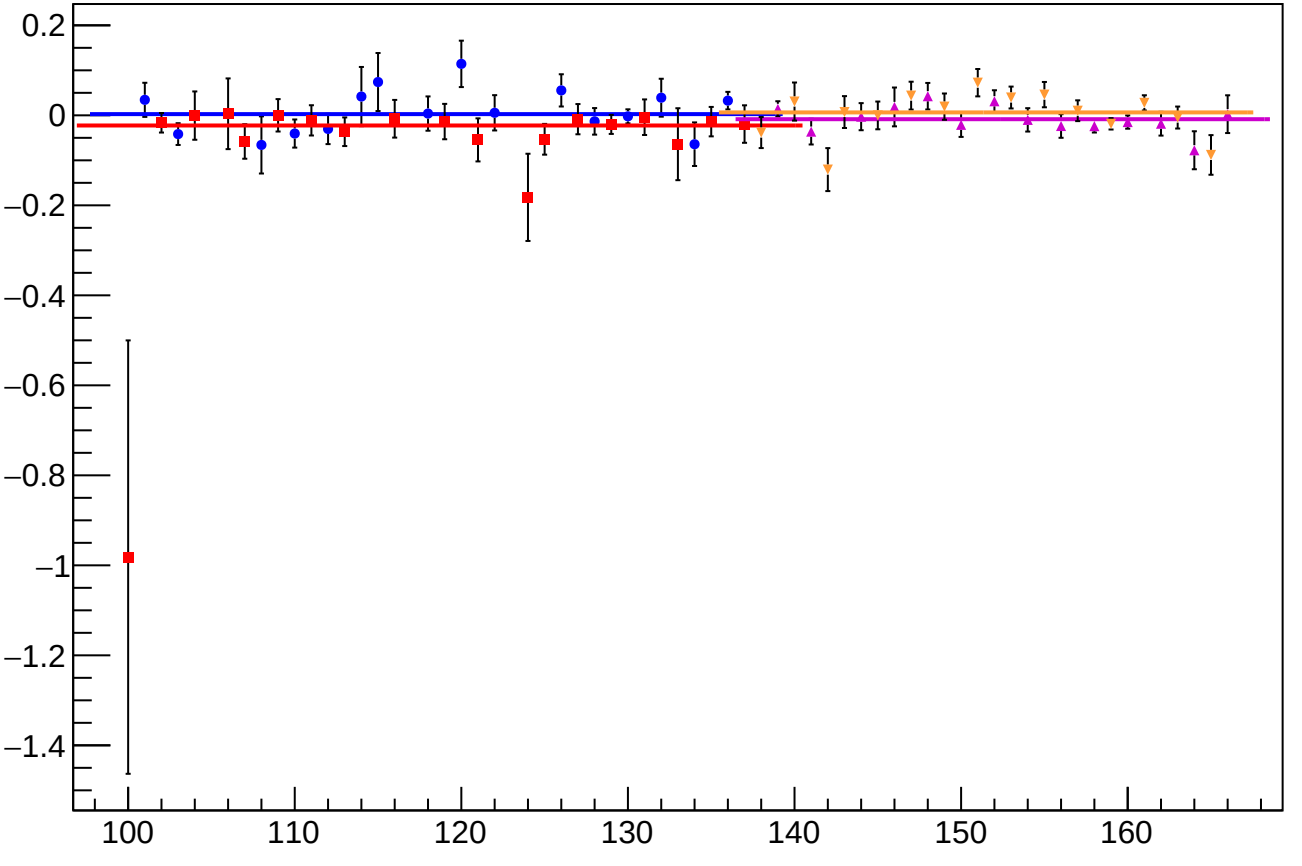
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2152887.6/29

Out: 0.001+/-0.000 χ^2/NDF:8333168.3/33

All: 0.001+/-0.000 χ^2/NDF: 11203926.7/63

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.001+/-0.005 χ^2/NDF: 46.2/28

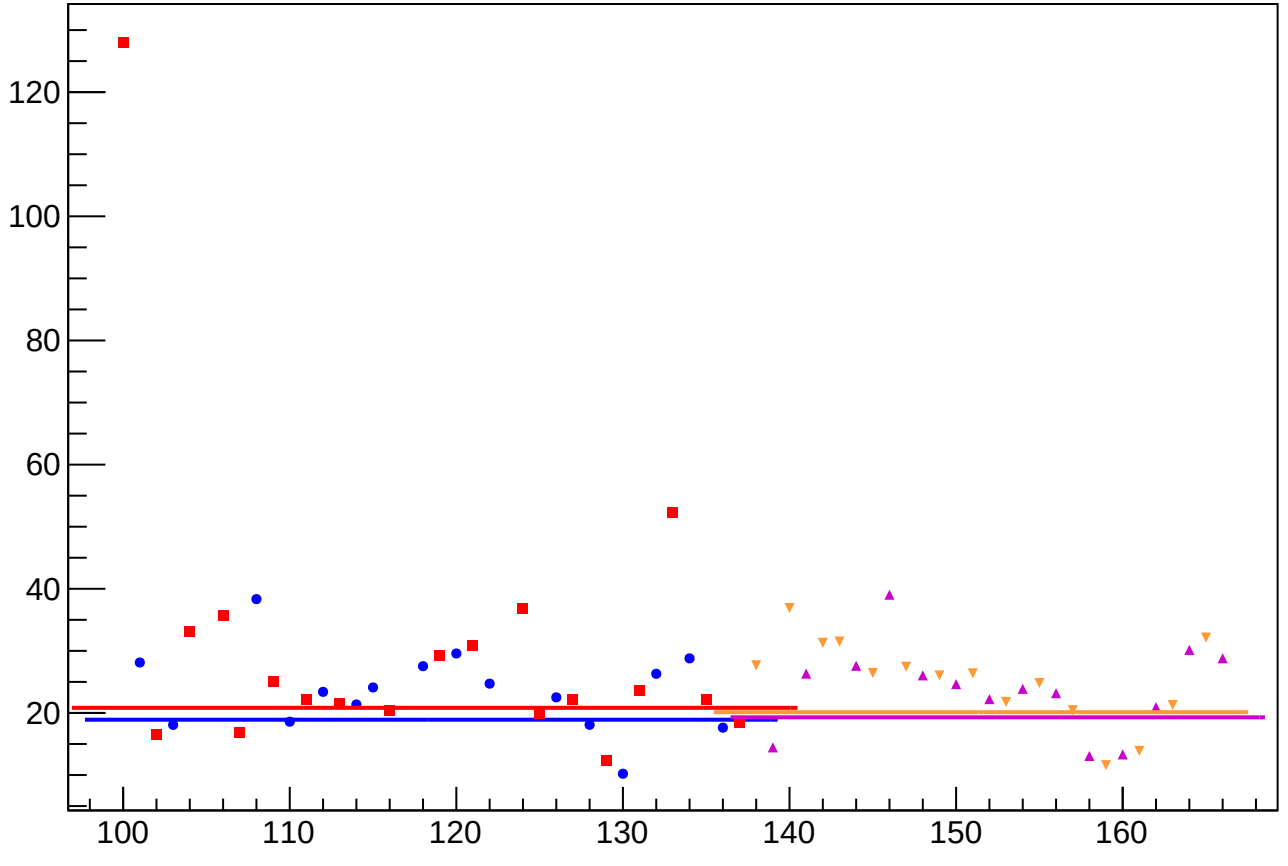
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.9/63

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489753.0/14

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.296+/-0.004 χ^2/NDF:2127103.0/13

Left: 19.694+/-0.003 χ^2/NDF: 4633617.5/28

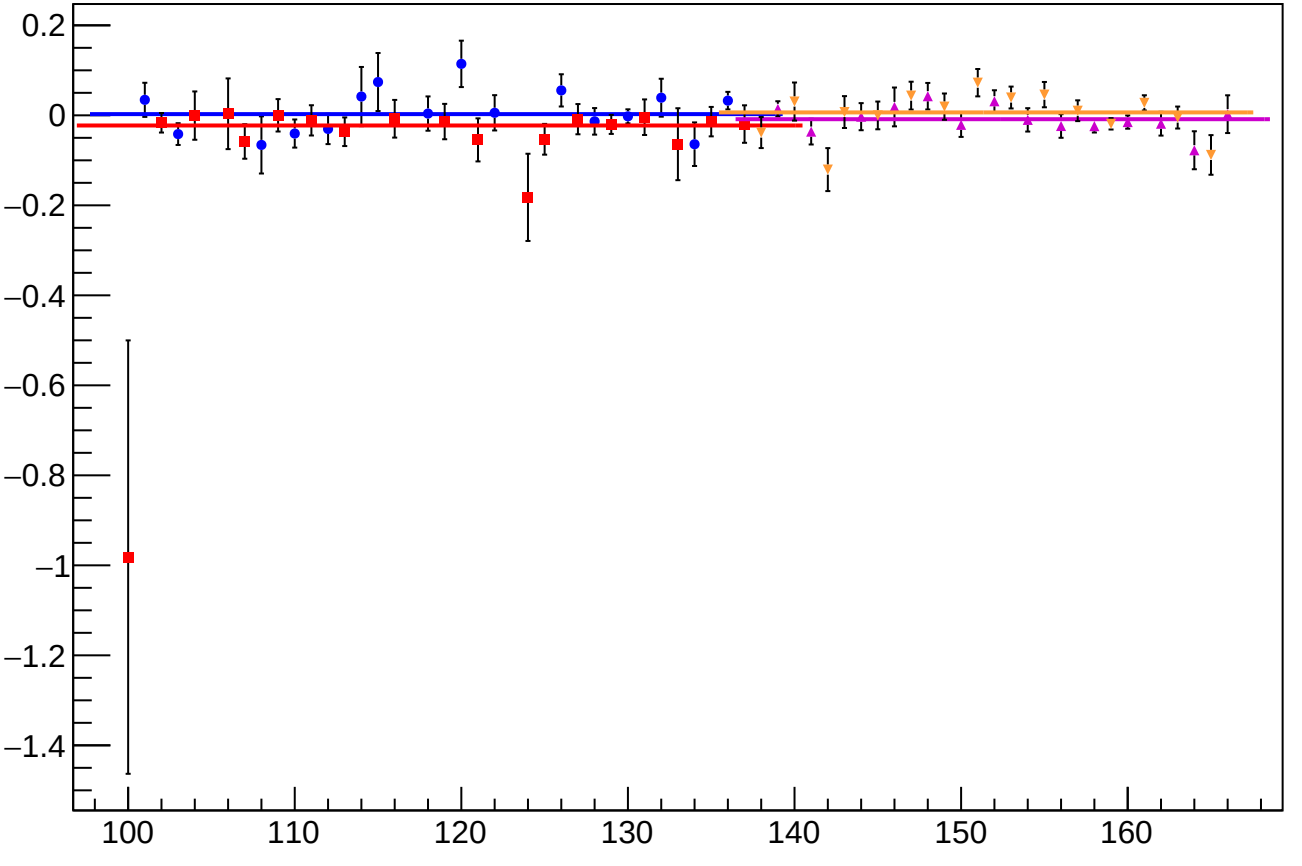
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.146+/-0.003 χ^2/NDF:3520291.0/29

Out: 20.383+/-0.004 χ^2/NDF:3790060.8/33

All: 19.732+/-0.003 χ^2/NDF: 7371199.0/63

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.7/13

Left: -0.001+/-0.005 χ^2/NDF: 46.2/28

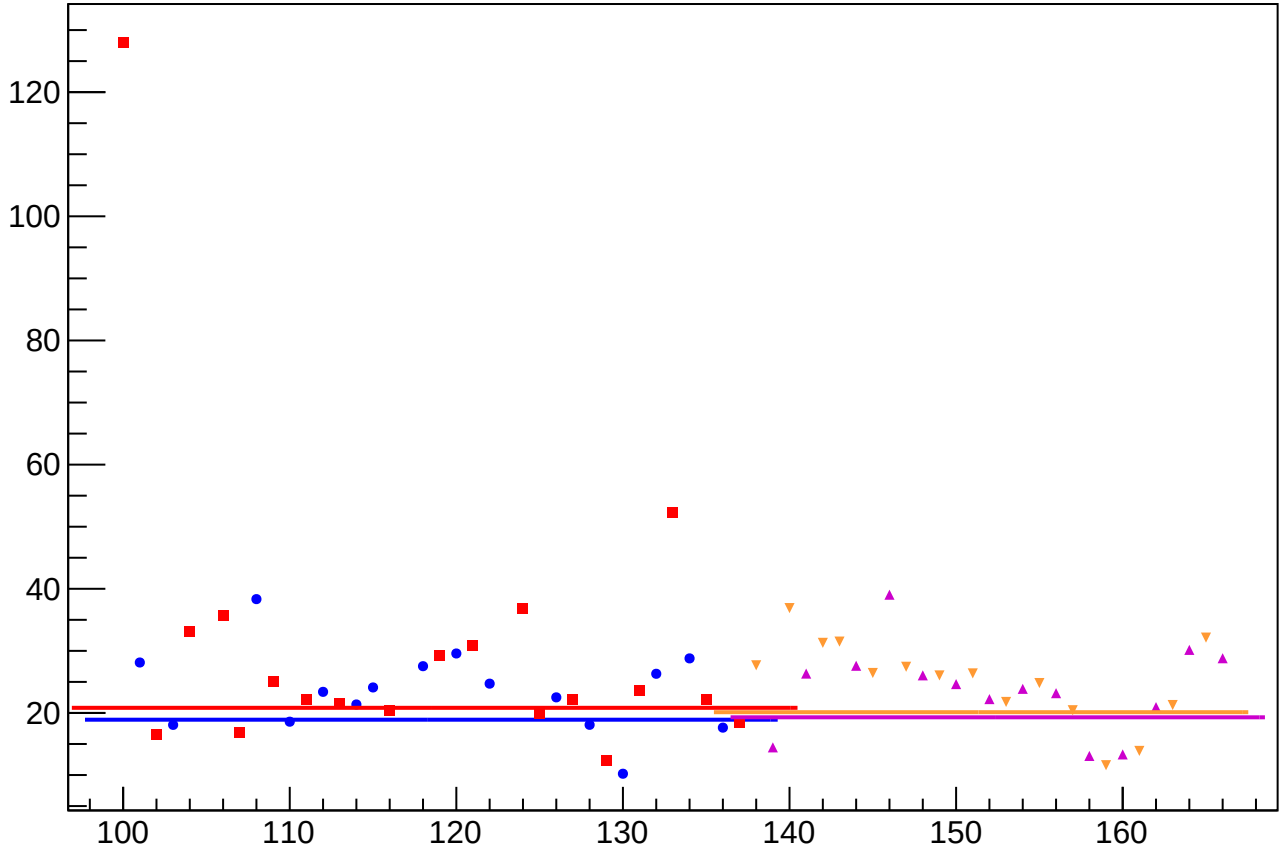
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/29

Out: -0.004+/-0.005 χ^2/NDF:48.0/33

All: -0.004+/-0.004 χ^2/NDF: 84.9/63

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489753.0/14

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.296+/-0.004 χ^2/NDF:2127103.0/13

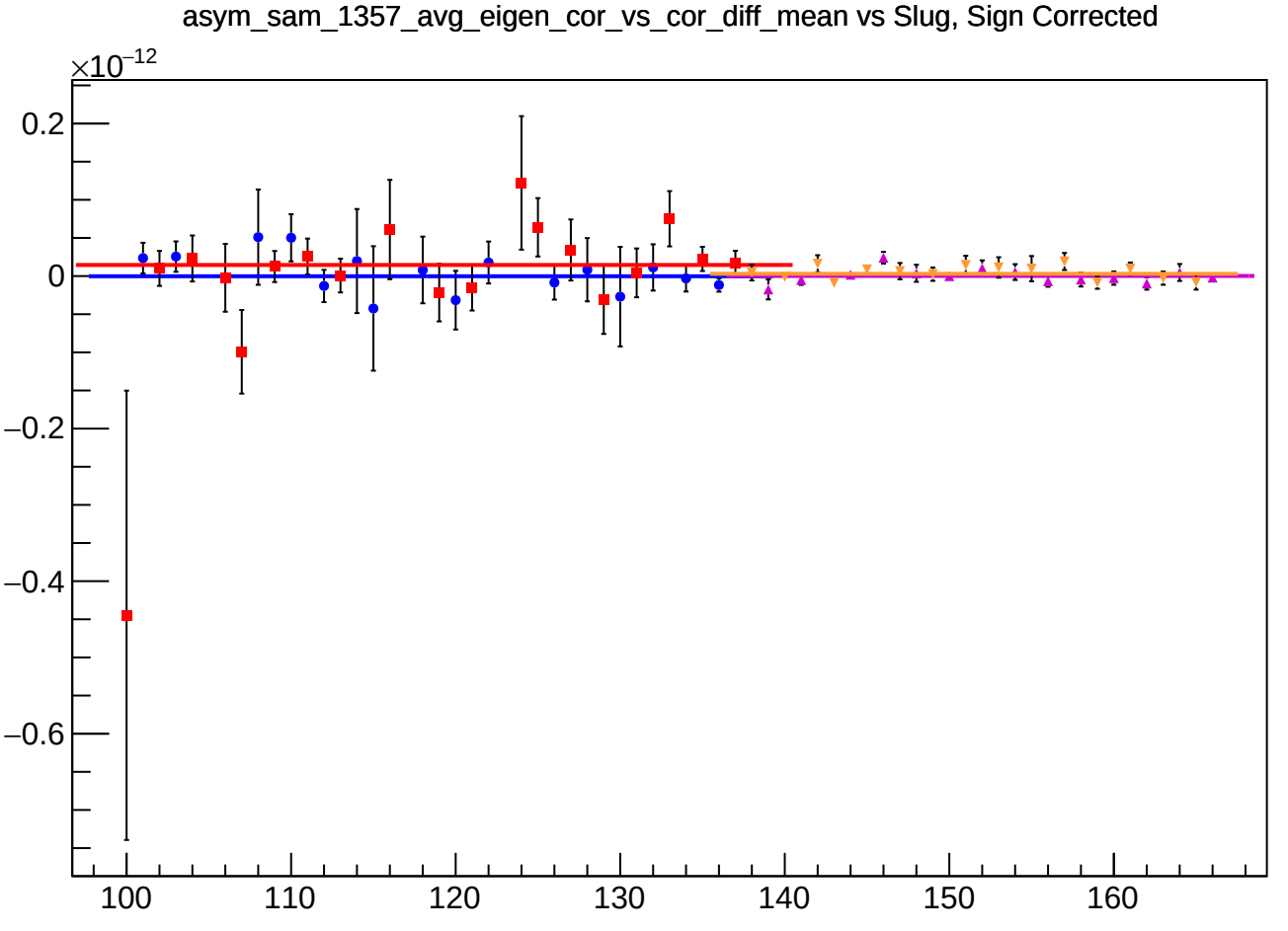
Left: 19.694+/-0.003 χ^2/NDF: 4633617.5/28

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.146+/-0.003 χ^2/NDF:3520291.0/29

Out: 20.383+/-0.004 χ^2/NDF:3790060.8/33

All: 19.732+/-0.003 χ^2/NDF: 7371199.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/13

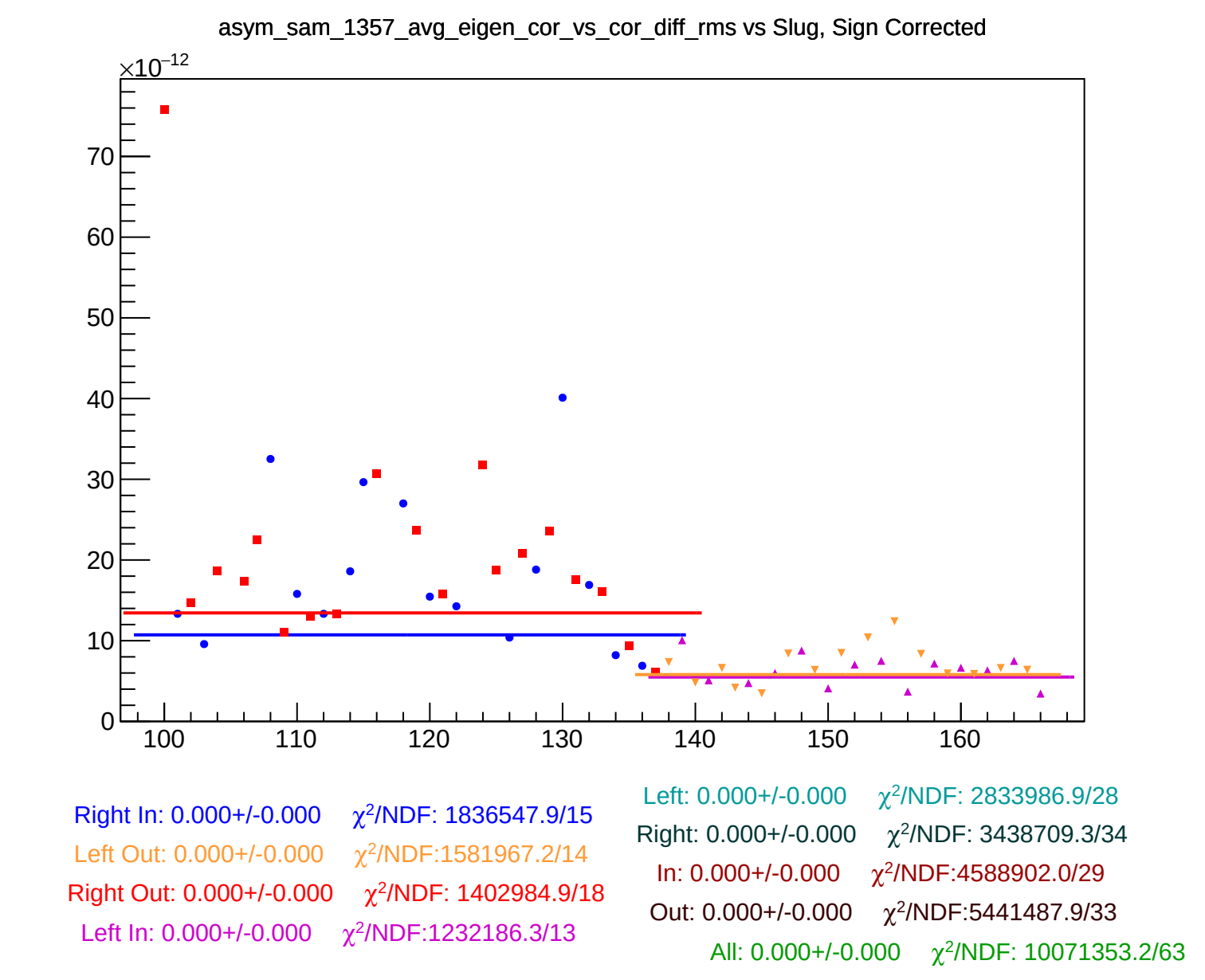
Left: 0.000+/-0.000 χ^2/NDF: 32.0/28

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

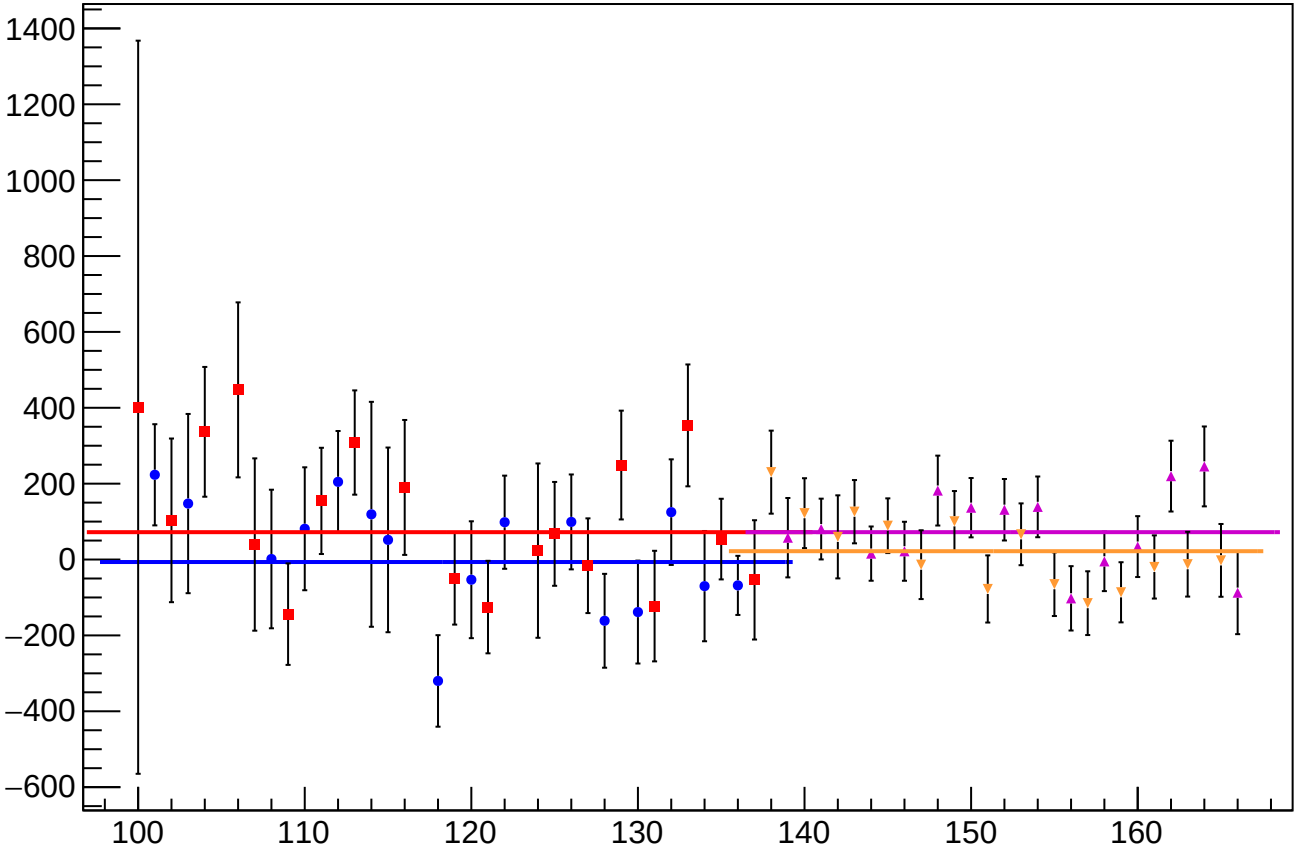
In: 0.000+/-0.000 χ^2/NDF:27.0/29

Out: 0.000+/-0.000 χ^2/NDF:35.1/33

All: 0.000+/-0.000 χ^2/NDF: 64.1/63


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1581967.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1232186.3/13
Left: 0.000+/-0.000 χ²/NDF: 2833986.9/28
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4588902.0/29
Out: 0.000+/-0.000 χ²/NDF:5441487.9/33
All: 0.000+/-0.000 χ²/NDF: 10071353.2/63

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.970+/-22.300 χ^2/NDF:16.1/14

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 72.153+/-22.683 χ^2/NDF:17.2/13

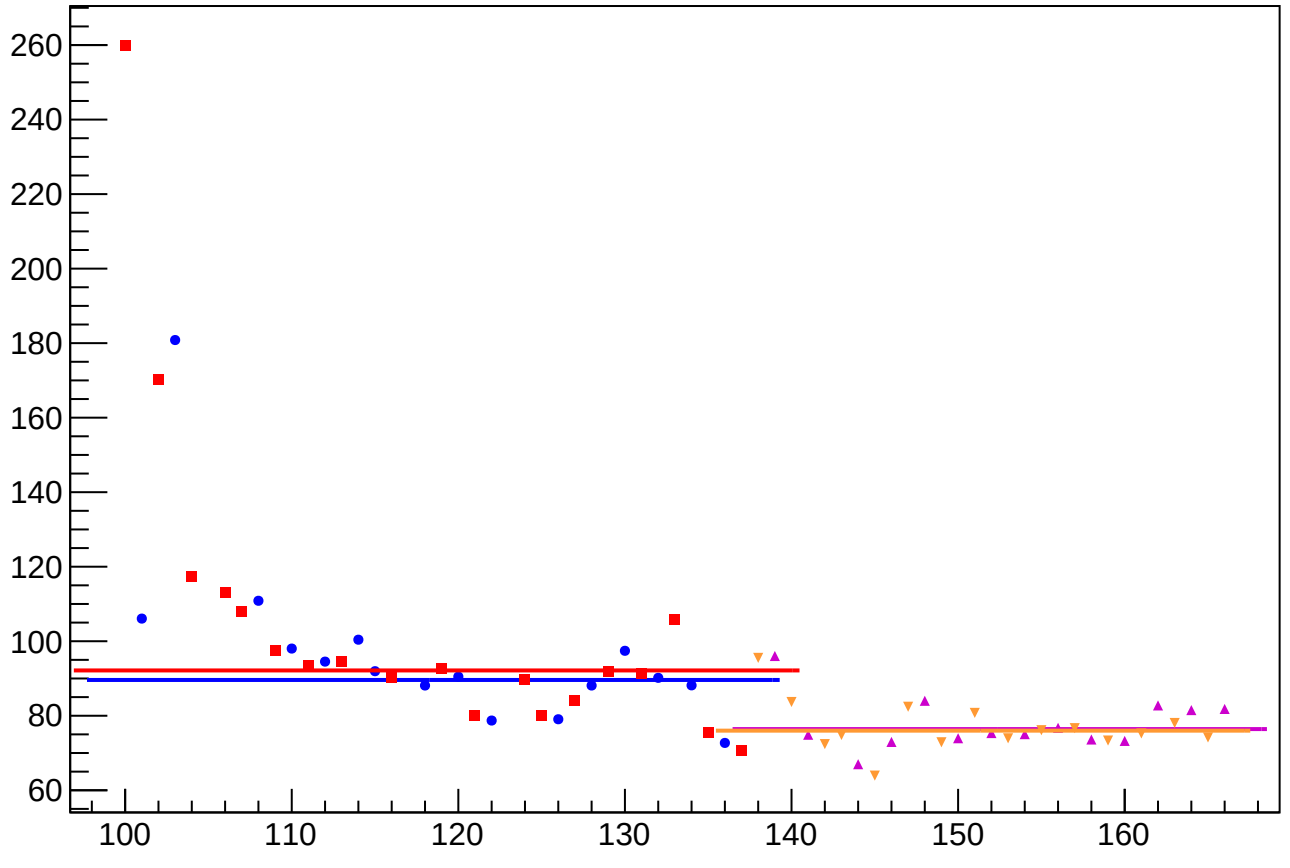
Left: 46.635+/-15.902 χ^2/NDF: 35.8/28

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 48.190+/-18.918 χ^2/NDF:39.7/29

Out: 36.521+/-18.789 χ^2/NDF:40.4/33

All: 42.316+/-13.331 χ^2/NDF: 80.3/63



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

Left: 76.208+/-0.011 χ^2/NDF: 311845.4/28

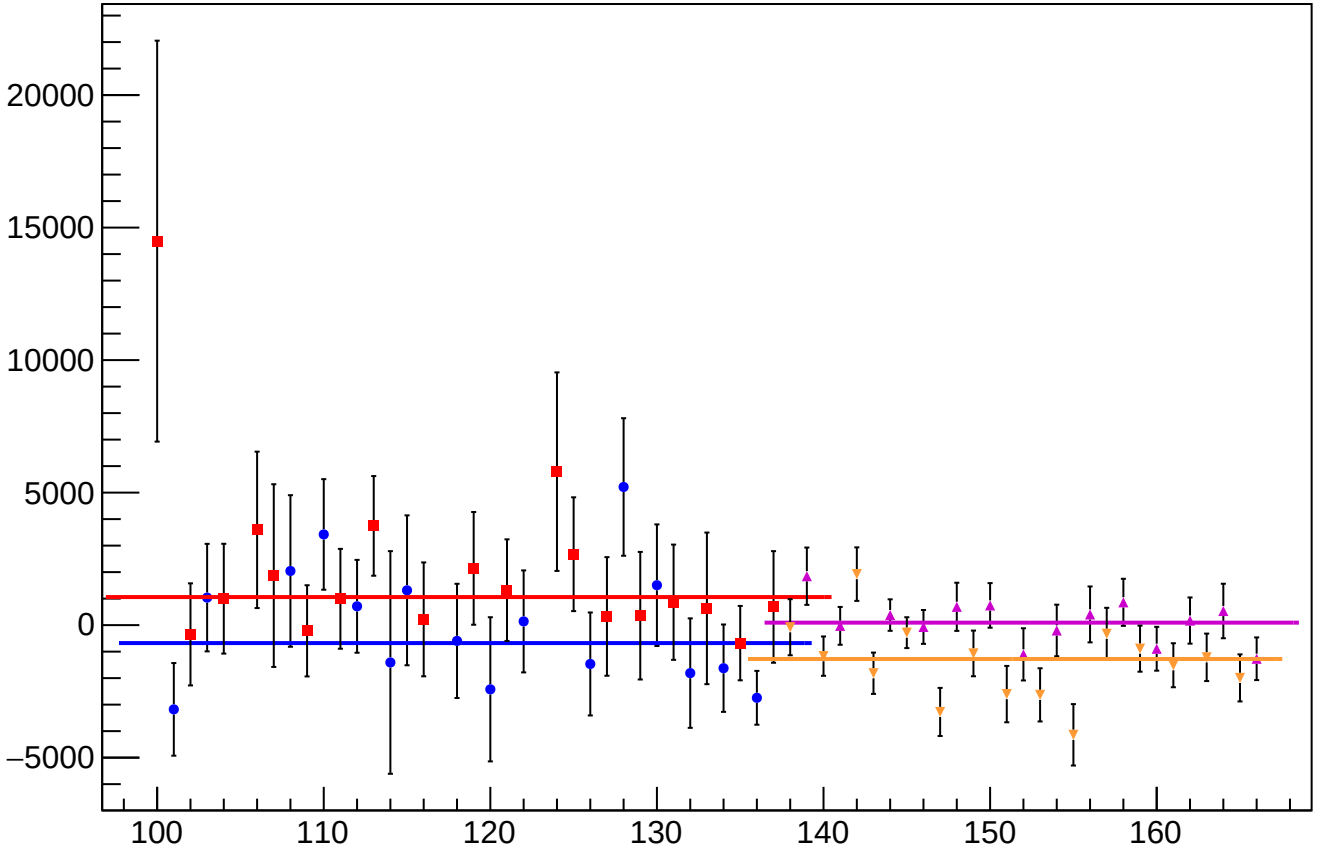
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.435+/-0.013 χ^2/NDF:854696.6/29

Out: 80.690+/-0.013 χ^2/NDF:1007548.8/33

All: 80.563+/-0.009 χ^2/NDF: 1862427.6/63

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1277.644+/-224.724 χ^2/NDF:31.0/14

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 93.549+/-222.243 χ^2/NDF:10.9/13

Left: -584.434+/-158.019 χ^2/NDF: 60.7/28

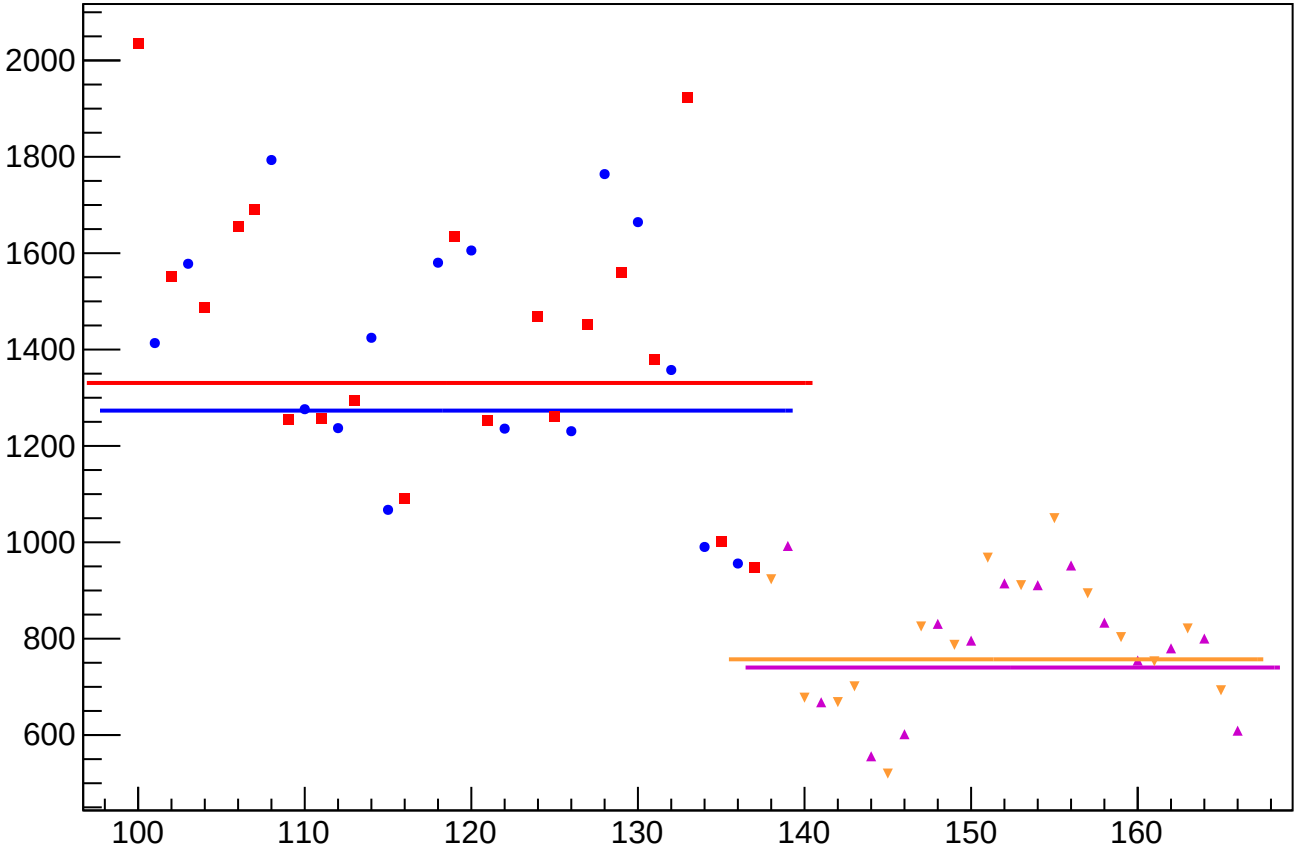
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -39.564+/-202.147 χ^2/NDF:33.2/29

Out: -880.187+/-204.720 χ^2/NDF:60.8/33

All: -454.561+/-143.841 χ^2/NDF: 102.6/63

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.158+/-0.159 χ^2/NDF:763015.3/14

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 740.126+/-0.157 χ^2/NDF:735729.4/13

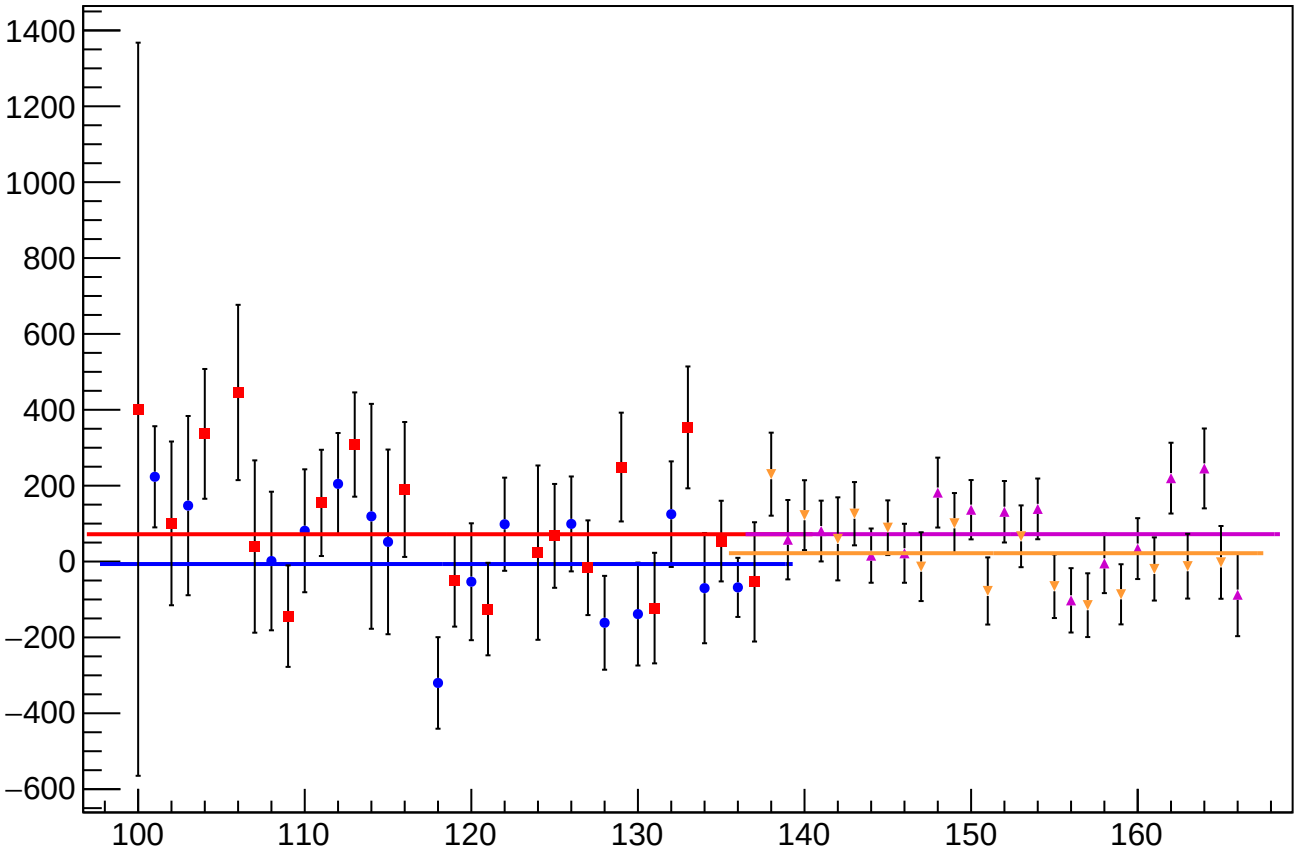
Left: 748.547+/-0.112 χ^2/NDF: 1504553.0/28

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

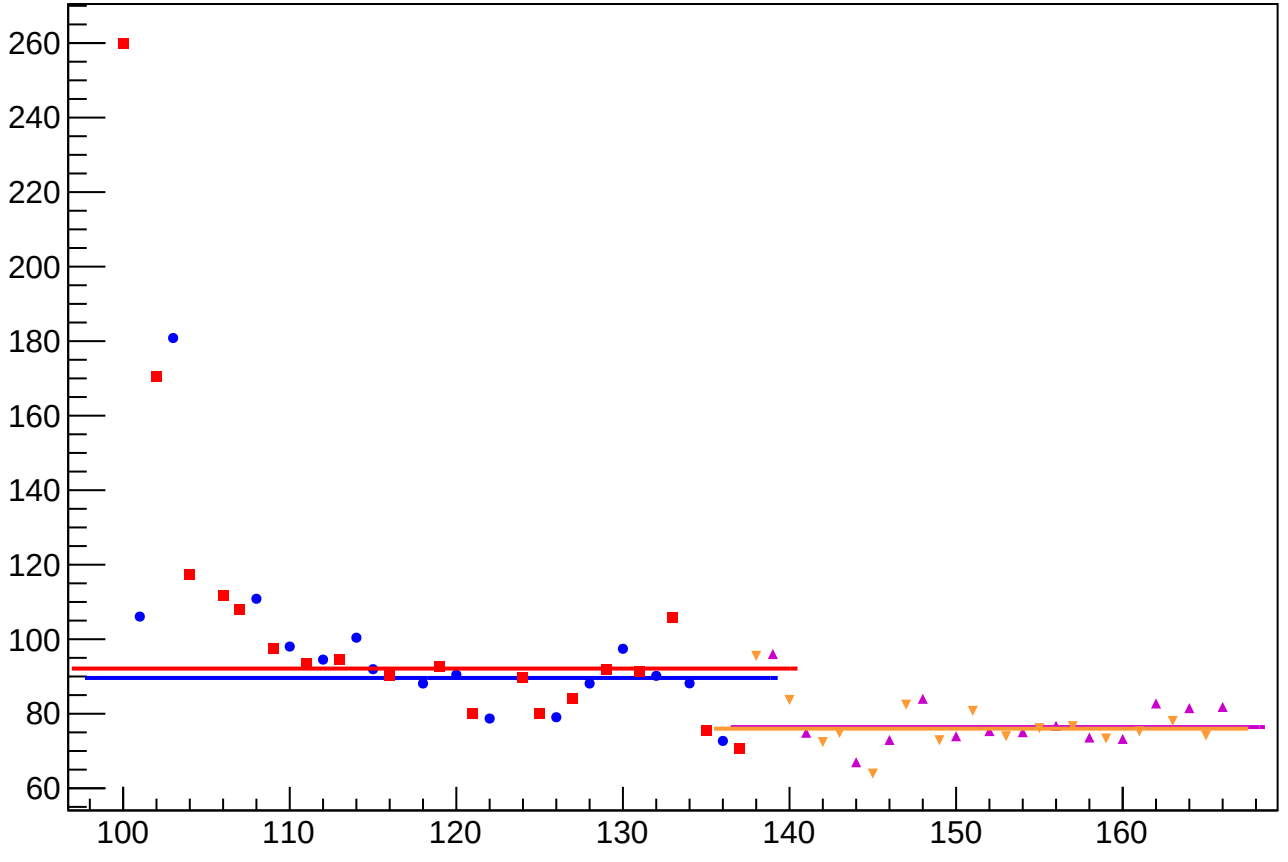
In: 832.191+/-0.143 χ^2/NDF:3320989.0/29

Out: 854.723+/-0.145 χ^2/NDF:3449753.9/33

All: 843.315+/-0.102 χ^2/NDF: 6783010.6/63


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 21.974+/-22.300 χ²/NDF:16.1/14
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 72.154+/-22.683 χ²/NDF:17.2/13
Left: 46.637+/-15.902 χ²/NDF: 35.8/28
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 48.188+/-18.918 χ²/NDF:39.7/29
Out: 36.481+/-18.789 χ²/NDF:40.3/33
All: 42.294+/-13.331 χ²/NDF: 80.3/63

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

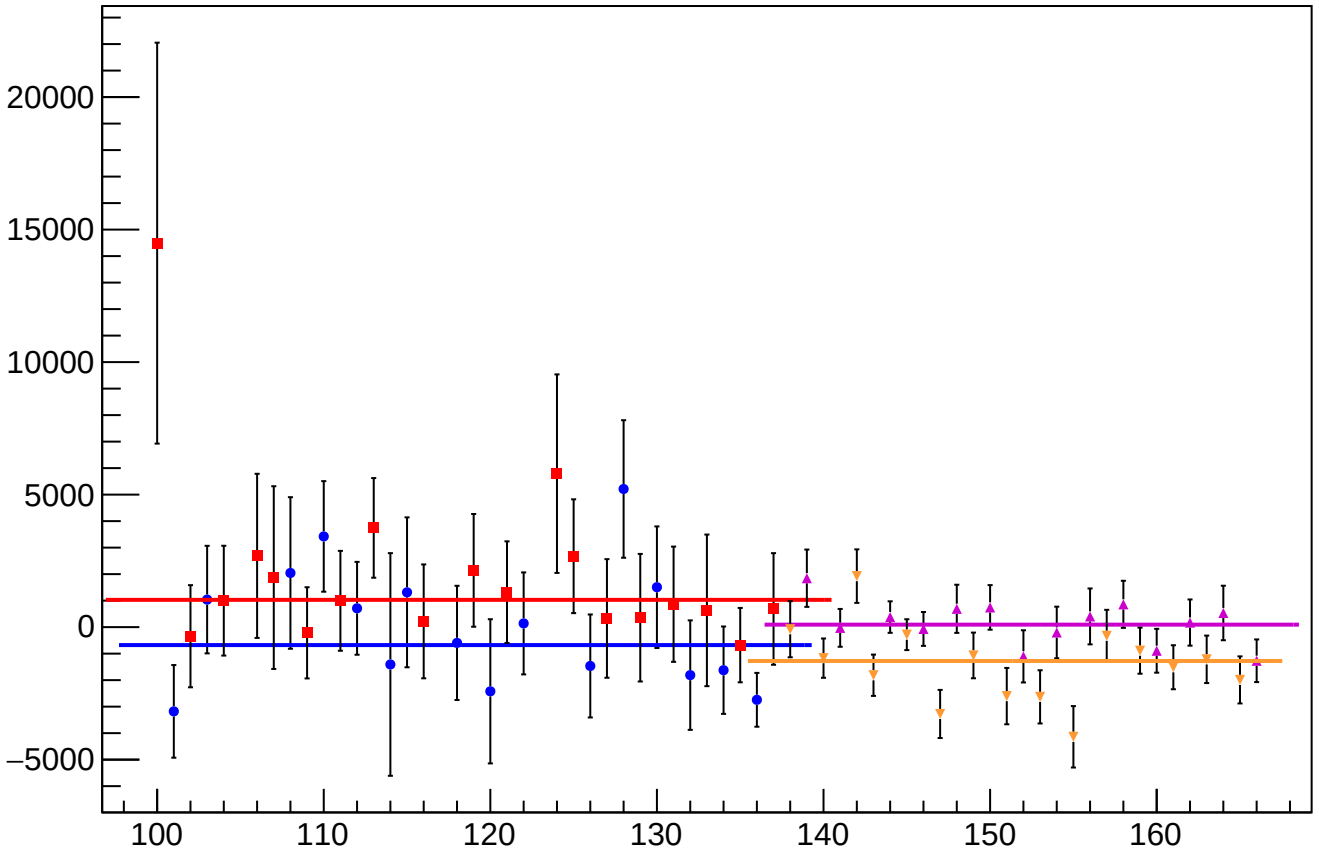
Left: 76.208+/-0.011 χ^2/NDF: 311845.3/28

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.435+/-0.013 χ^2/NDF:854700.1/29

Out: 80.680+/-0.013 χ^2/NDF:1004561.5/33

All: 80.559+/-0.009 χ^2/NDF: 1859430.4/63



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1277.639+/-224.724 χ^2/NDF:31.0/14

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 93.551+/-222.243 χ^2/NDF:10.9/13

Left: -584.431+/-158.019 χ^2/NDF: 60.7/28

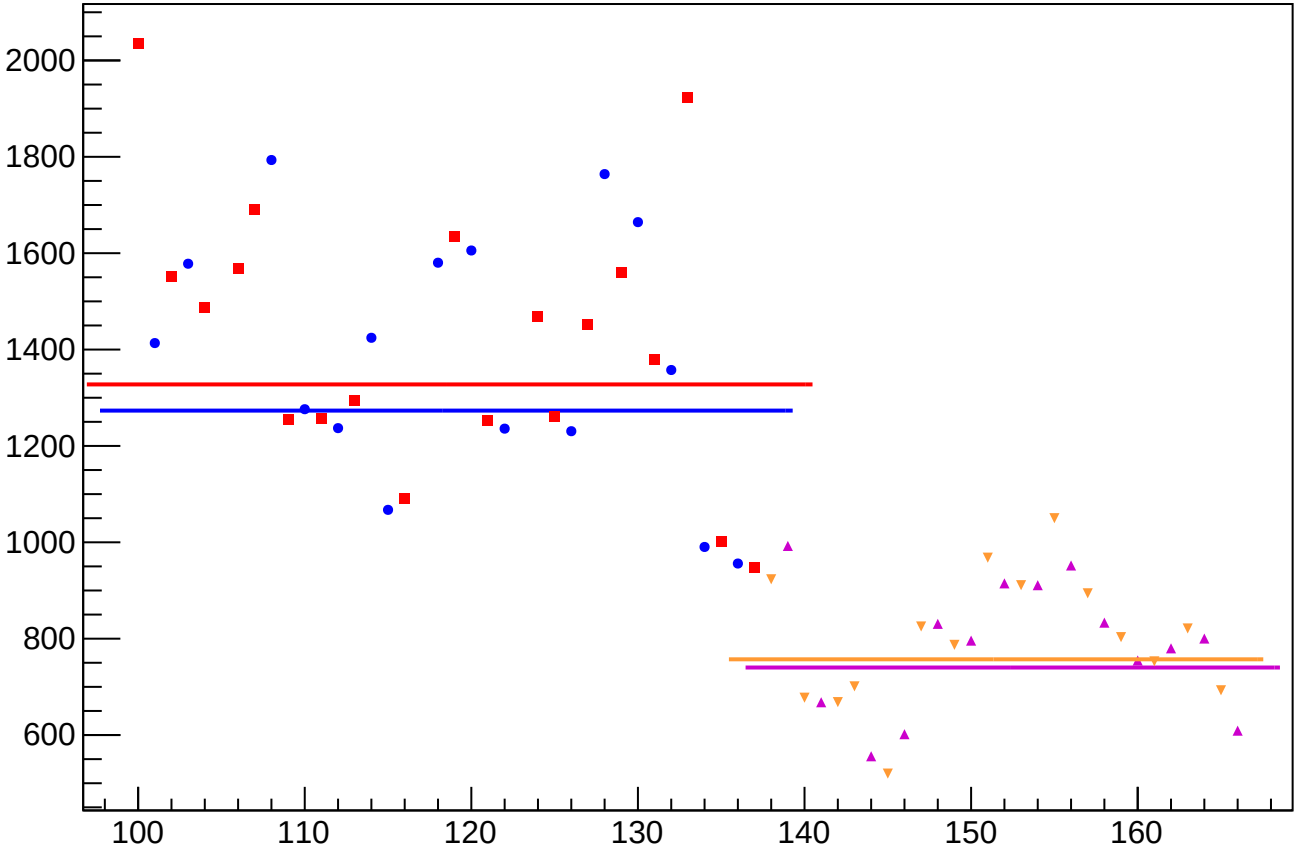
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -39.555+/-202.147 χ^2/NDF:33.2/29

Out: -886.053+/-204.766 χ^2/NDF:59.9/33

All: -457.356+/-143.857 χ^2/NDF: 101.7/63

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 740.126+/-0.157 χ^2/NDF:735726.9/13

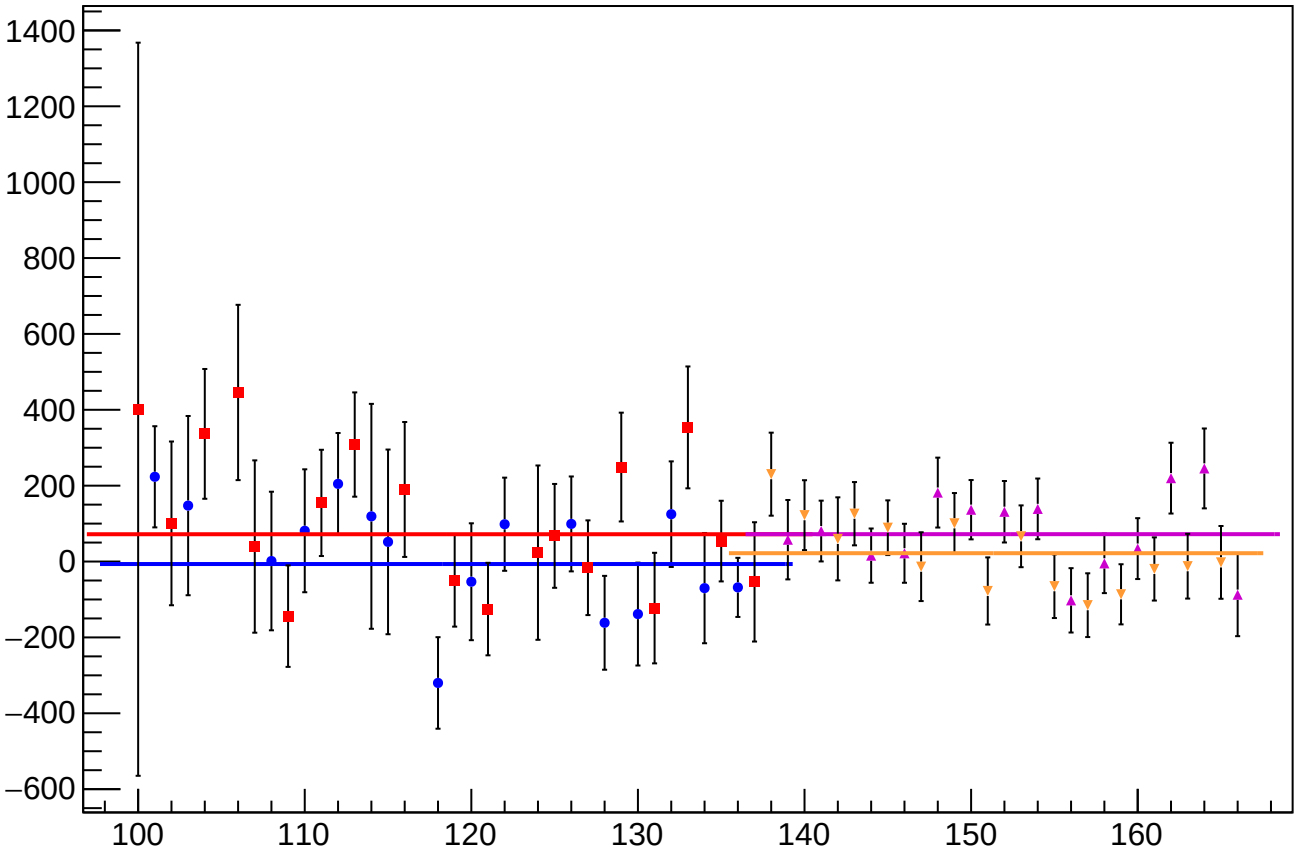
Left: 748.547+/-0.112 χ^2/NDF: 1504553.1/28

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 832.191+/-0.143 χ^2/NDF:3321024.8/29

Out: 853.992+/-0.145 χ^2/NDF:3409354.1/33

All: 842.951+/-0.102 χ^2/NDF: 6741860.9/63



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.974+/-22.300 χ^2/NDF:16.1/14

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 72.154+/-22.683 χ^2/NDF:17.2/13

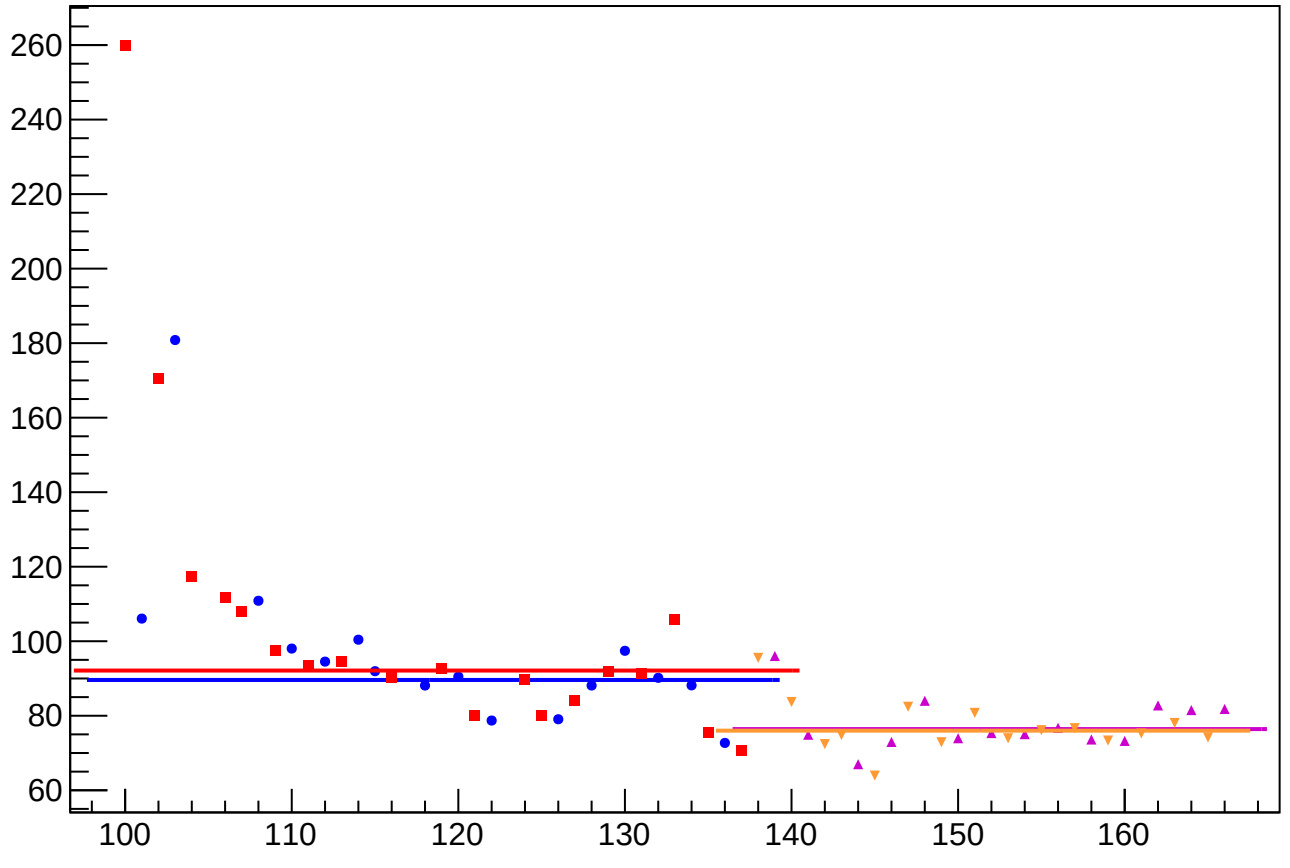
Left: 46.637+/-15.902 χ^2/NDF: 35.8/28

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 48.188+/-18.918 χ^2/NDF:39.7/29

Out: 36.481+/-18.789 χ^2/NDF:40.3/33

All: 42.294+/-13.331 χ^2/NDF: 80.3/63



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.422+/-0.016 χ^2/NDF:150703.8/13

Left: 76.208+/-0.011 χ^2/NDF: 311845.3/28

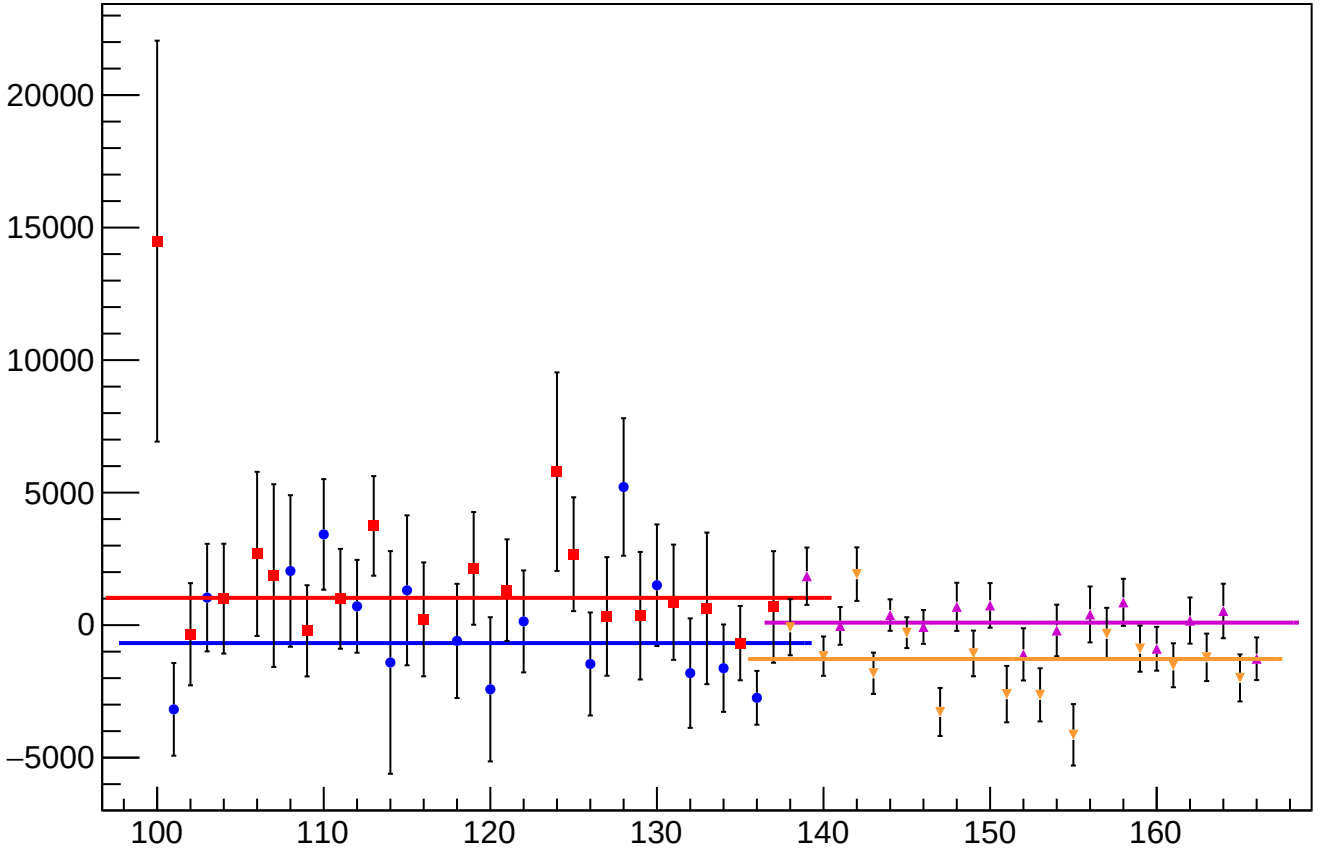
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.435+/-0.013 χ^2/NDF:854700.1/29

Out: 80.680+/-0.013 χ^2/NDF:1004561.5/33

All: 80.559+/-0.009 χ^2/NDF: 1859430.4/63

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1277.639+/-224.724 χ^2/NDF:31.0/14

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 93.551+/-222.243 χ^2/NDF:10.9/13

Left: -584.431+/-158.019 χ^2/NDF: 60.7/28

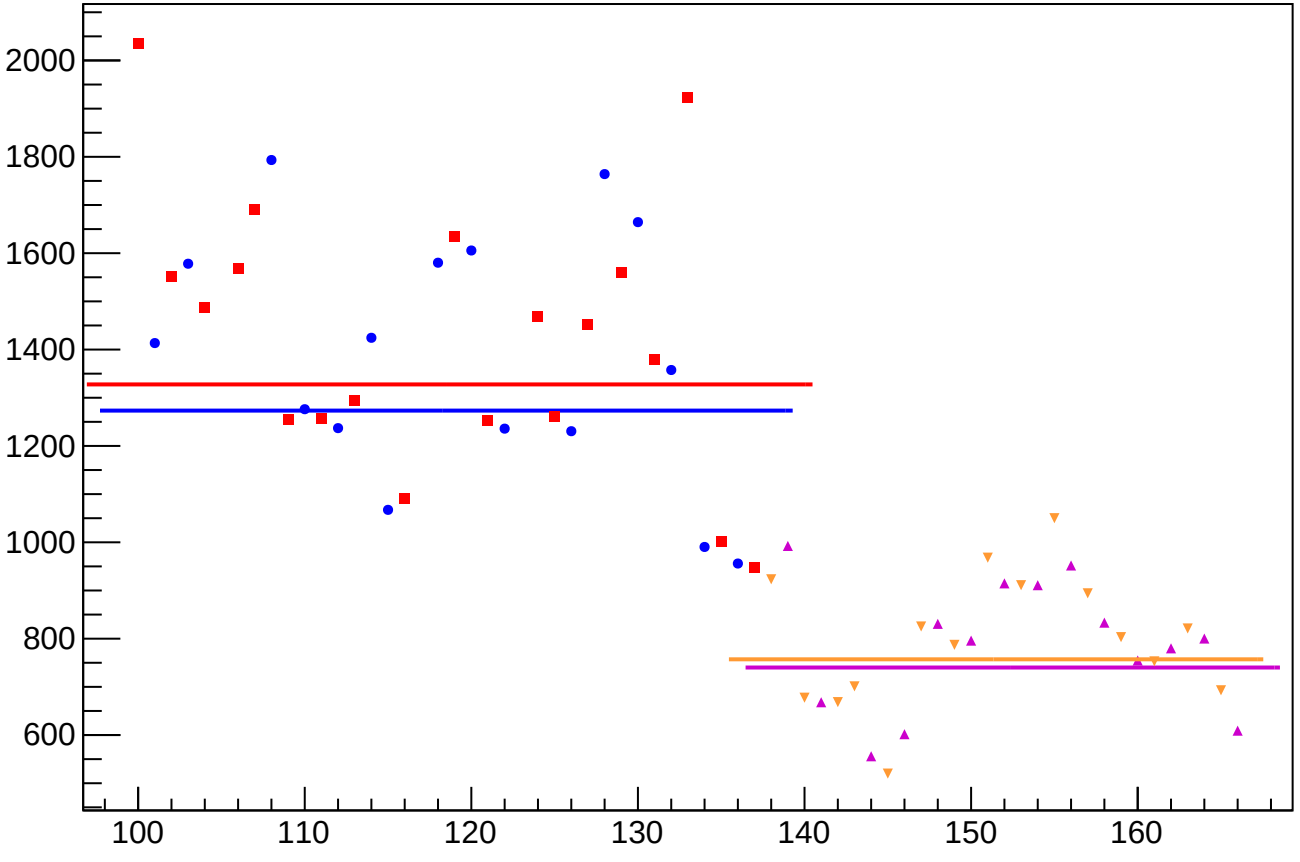
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -39.555+/-202.147 χ^2/NDF:33.2/29

Out: -886.053+/-204.766 χ^2/NDF:59.9/33

All: -457.356+/-143.857 χ^2/NDF: 101.7/63

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 740.126+/-0.157 χ^2/NDF:735726.9/13

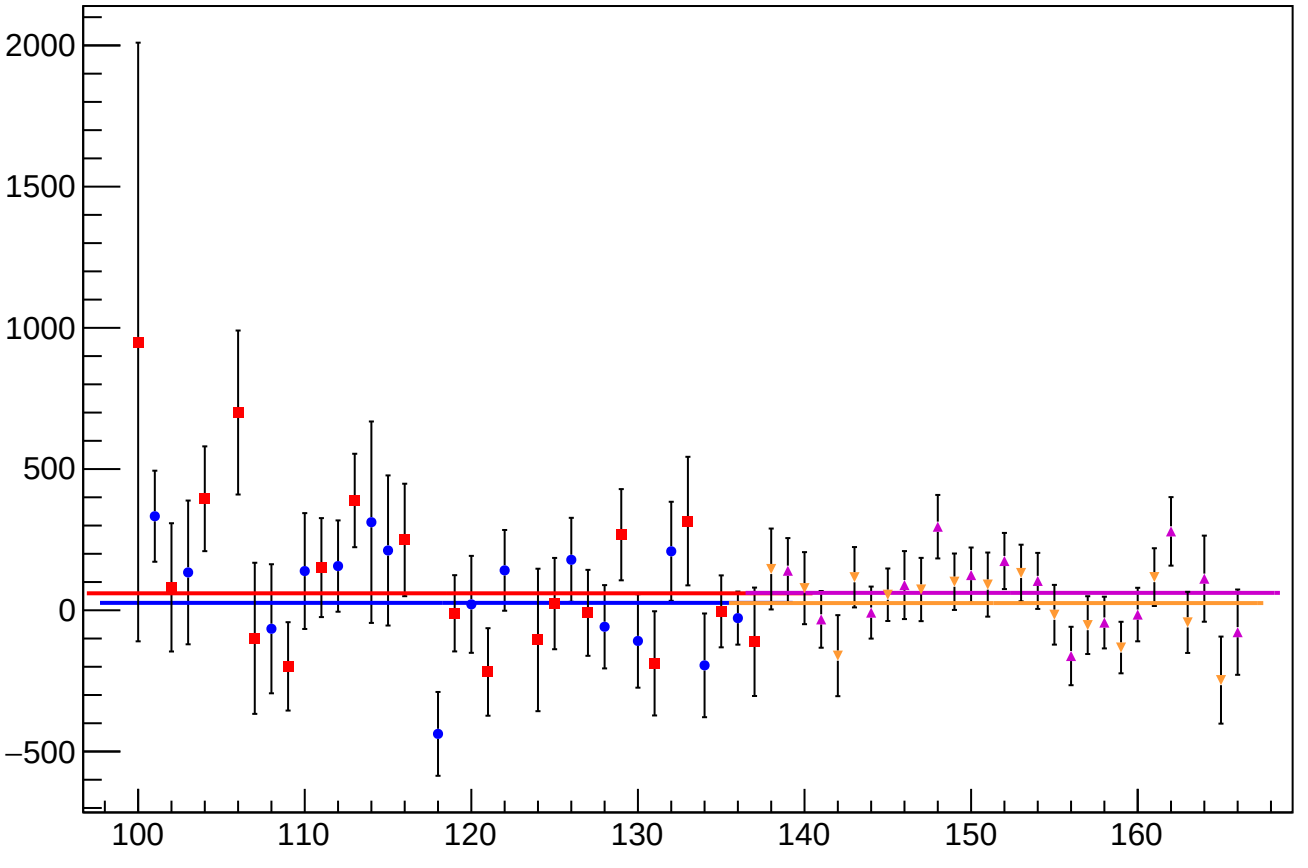
Left: 748.547+/-0.112 χ^2/NDF: 1504553.1/28

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 832.191+/-0.143 χ^2/NDF:3321024.8/29

Out: 853.992+/-0.145 χ^2/NDF:3409354.1/33

All: 842.951+/-0.102 χ^2/NDF: 6741860.9/63



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 25.503+/-28.312 χ^2/NDF:13.7/14

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 61.644+/-28.549 χ^2/NDF:19.0/13

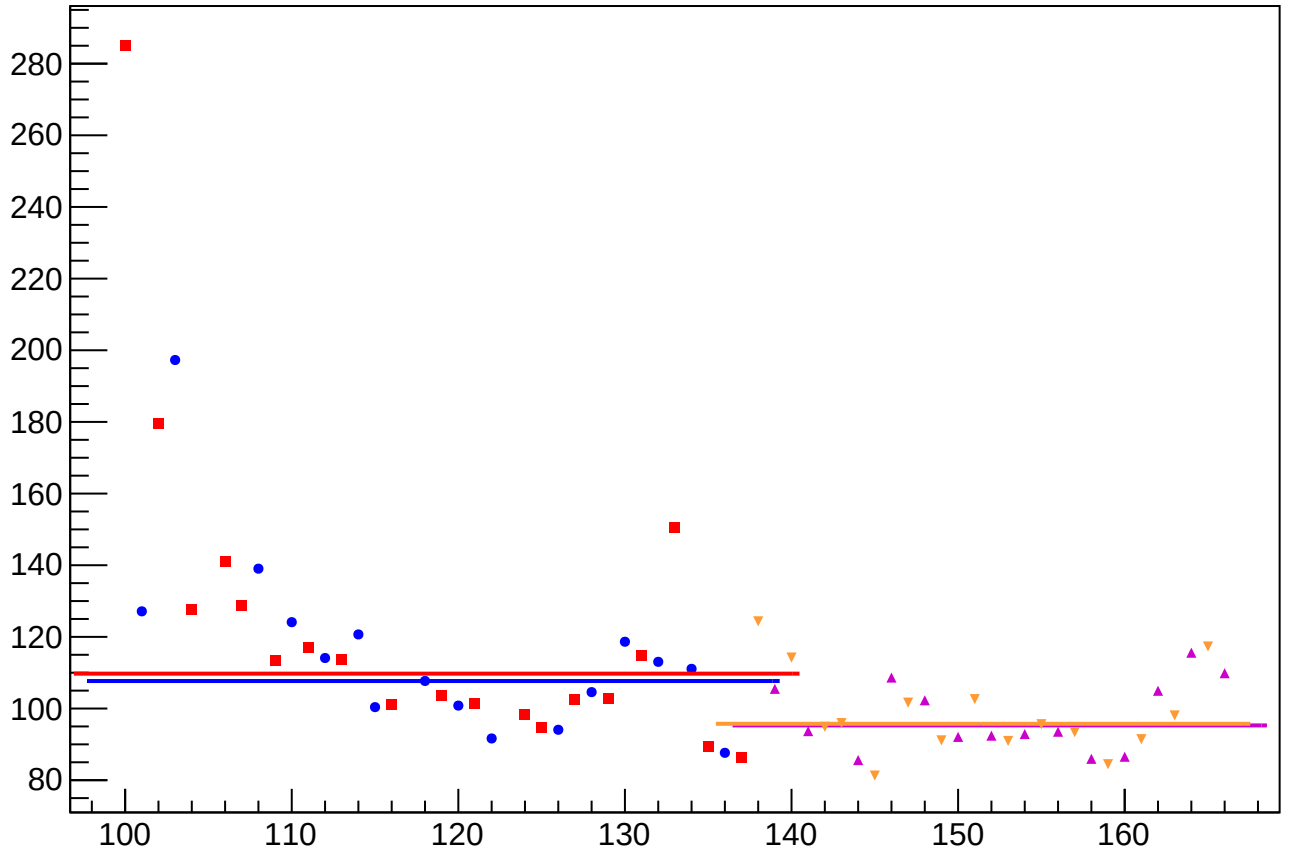
Left: 43.423+/-20.103 χ^2/NDF: 33.5/28

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 50.170+/-23.469 χ^2/NDF:40.9/29

Out: 36.487+/-23.393 χ^2/NDF:41.1/33

All: 43.306+/-16.568 χ^2/NDF: 82.2/63



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.744+/-0.020 χ^2/NDF:267163.9/14

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.286+/-0.020 χ^2/NDF:180637.5/13

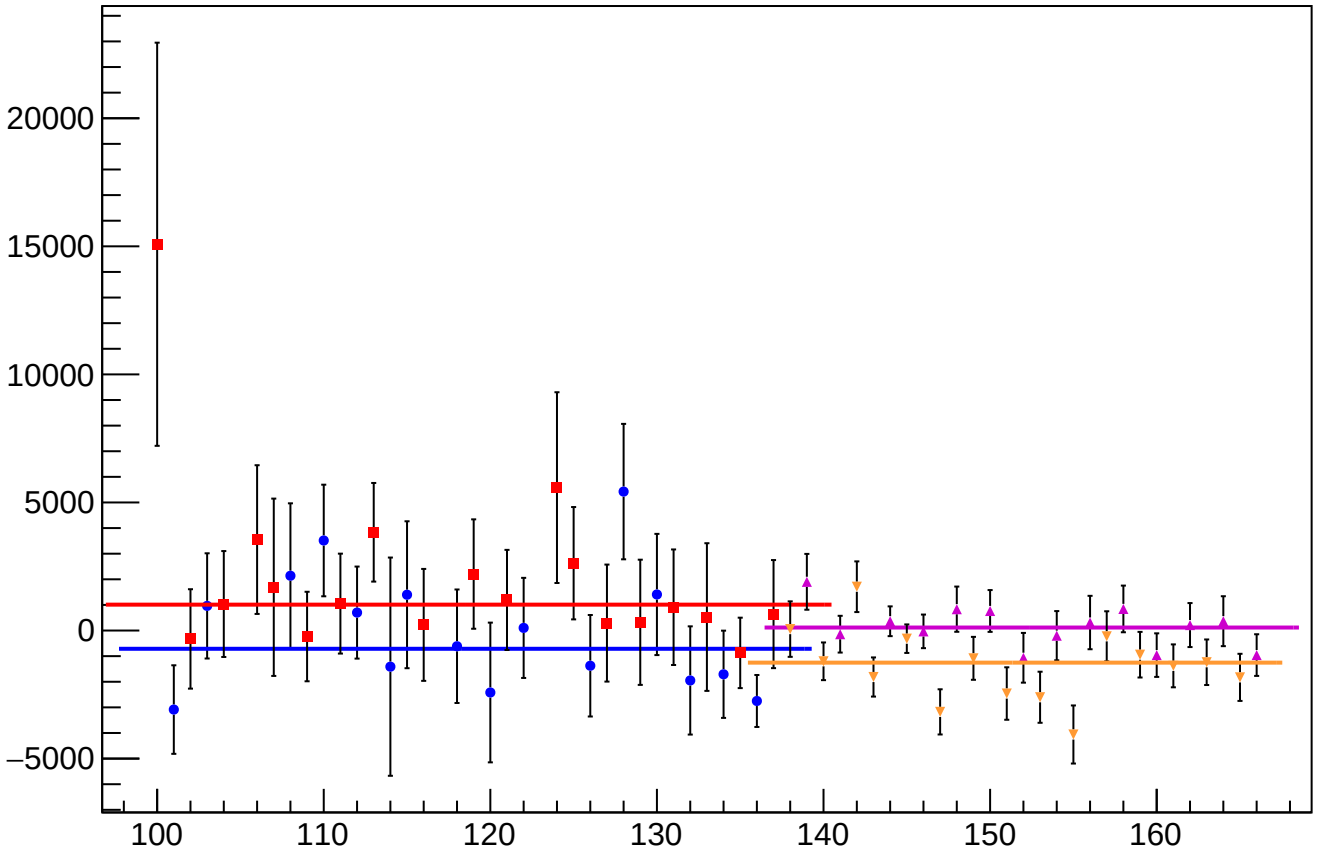
Left: 95.517+/-0.014 χ^2/NDF: 448060.7/28

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.304+/-0.017 χ^2/NDF:785953.6/29

Out: 100.185+/-0.017 χ^2/NDF:914020.4/33

All: 99.746+/-0.012 χ^2/NDF: 1701387.7/63



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1253.467+/-222.025 χ^2/NDF:29.6/14

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 116.987+/-221.254 χ^2/NDF:10.0/13

Left: -565.858+/-156.722 χ^2/NDF: 58.7/28

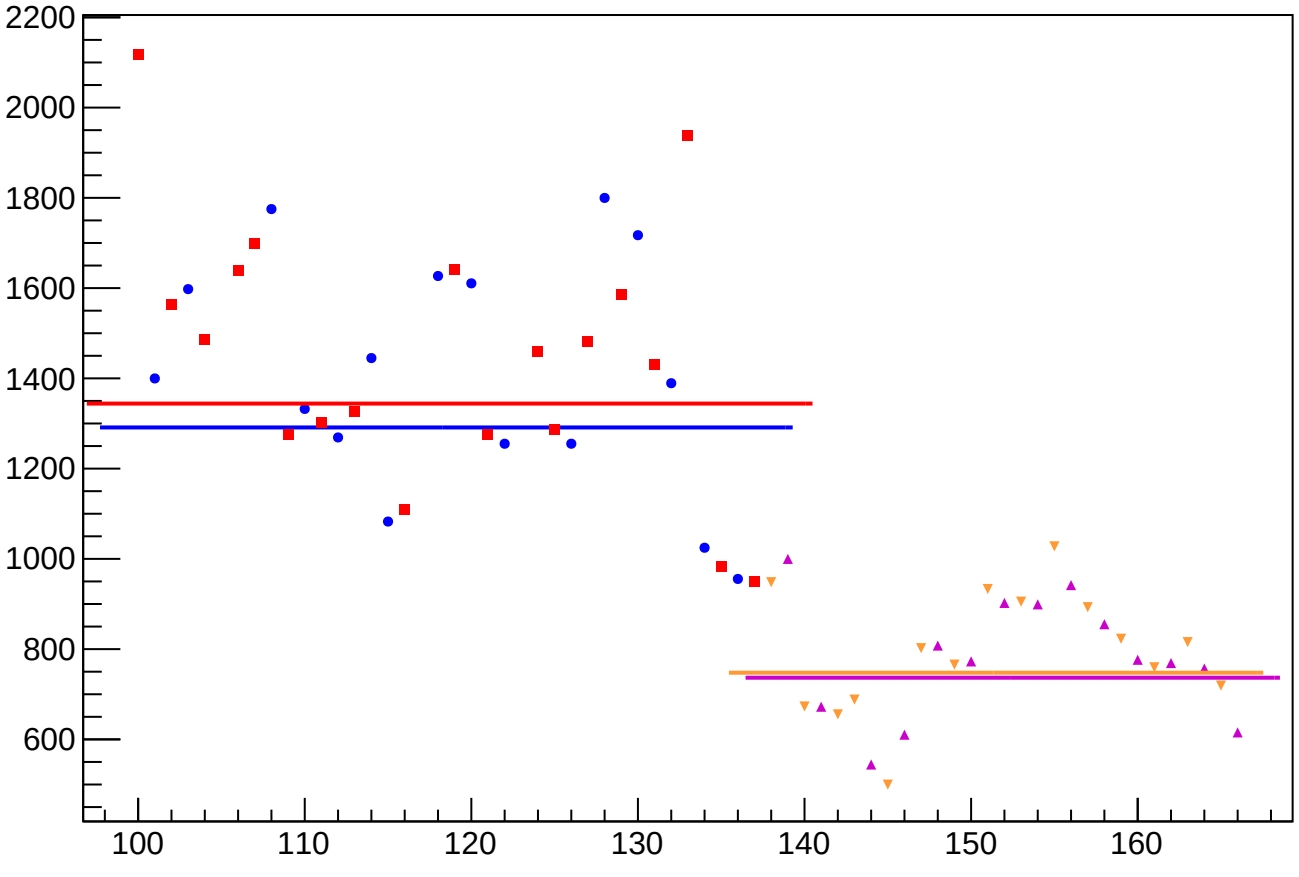
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -22.020+/-201.875 χ^2/NDF:32.5/29

Out: -882.280+/-203.010 χ^2/NDF:58.4/33

All: -449.739+/-143.147 χ^2/NDF: 99.9/63

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 747.783+/-0.157 χ^2/NDF:834018.5/14

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 736.670+/-0.156 χ^2/NDF:722414.2/13

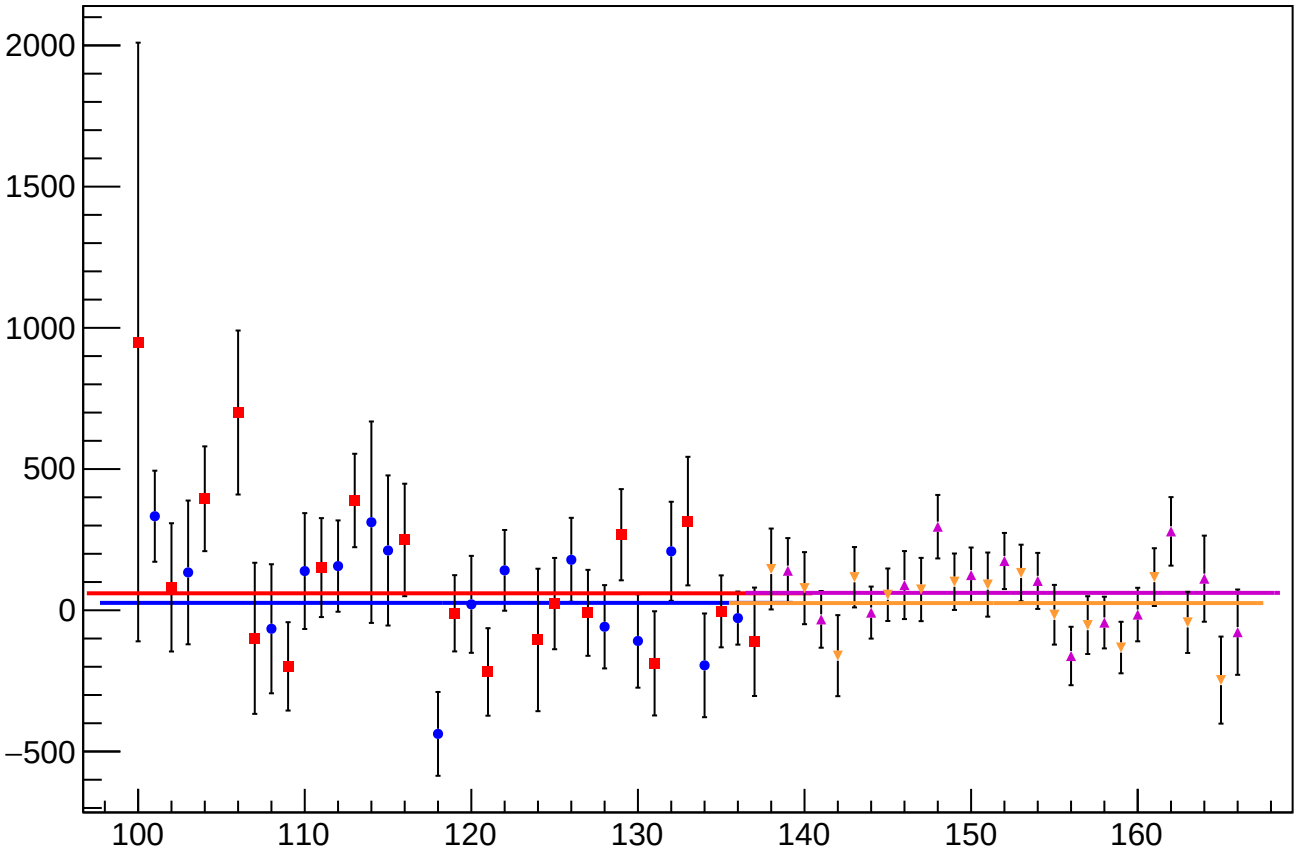
Left: 742.207+/-0.111 χ^2/NDF: 1558946.6/28

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 829.560+/-0.143 χ^2/NDF:3437856.6/29

Out: 845.552+/-0.144 χ^2/NDF:3690461.3/33

All: 837.512+/-0.101 χ^2/NDF: 7134558.0/63



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 25.505+/-28.312 χ^2/NDF:13.7/14

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 61.642+/-28.549 χ^2/NDF:19.0/13

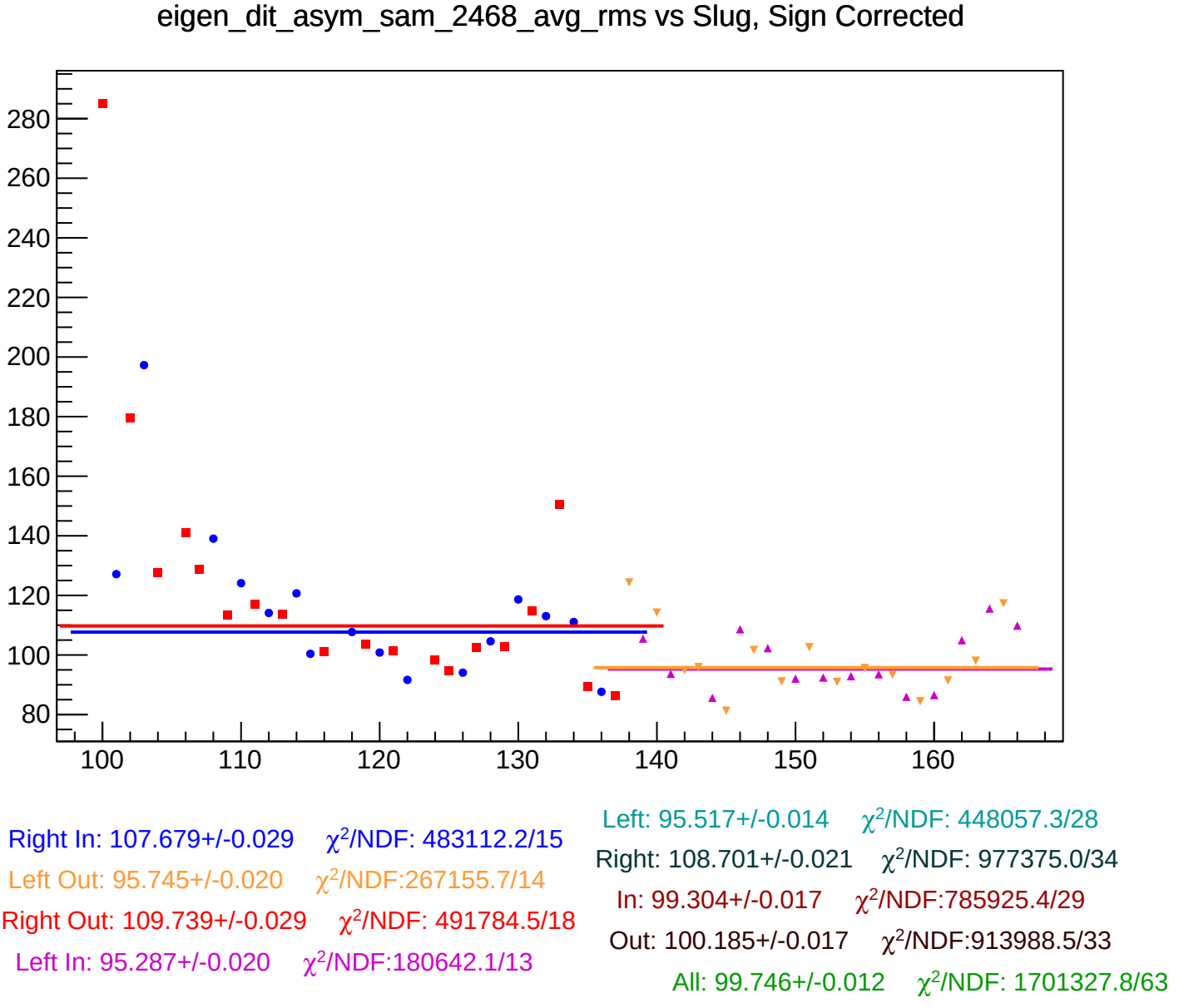
Left: 43.423+/-20.103 χ^2/NDF: 33.5/28

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

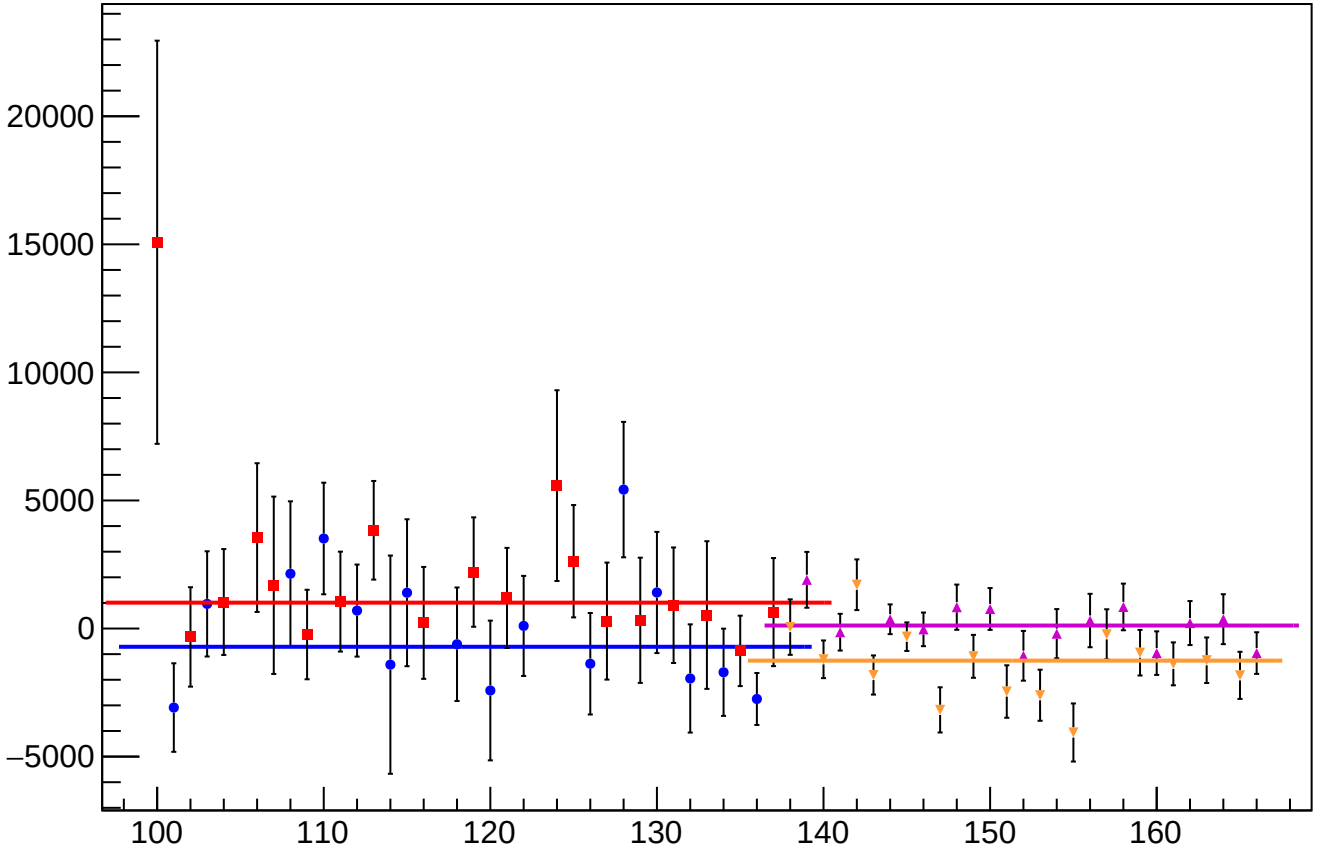
In: 50.169+/-23.469 χ^2/NDF:40.9/29

Out: 36.488+/-23.393 χ^2/NDF:41.1/33

All: 43.306+/-16.568 χ^2/NDF: 82.2/63


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
160
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 95.745+/-0.020 χ²/NDF:267155.7/14
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 95.287+/-0.020 χ²/NDF:180642.1/13
Left: 95.517+/-0.014 χ²/NDF: 448057.3/28
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 99.304+/-0.017 χ²/NDF:785925.4/29
Out: 100.185+/-0.017 χ²/NDF:913988.5/33
All: 99.746+/-0.012 χ²/NDF: 1701327.8/63

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1253.465+/-222.024 χ^2/NDF:29.6/14

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 116.986+/-221.254 χ^2/NDF:10.0/13

Left: -565.858+/-156.722 χ^2/NDF: 58.7/28

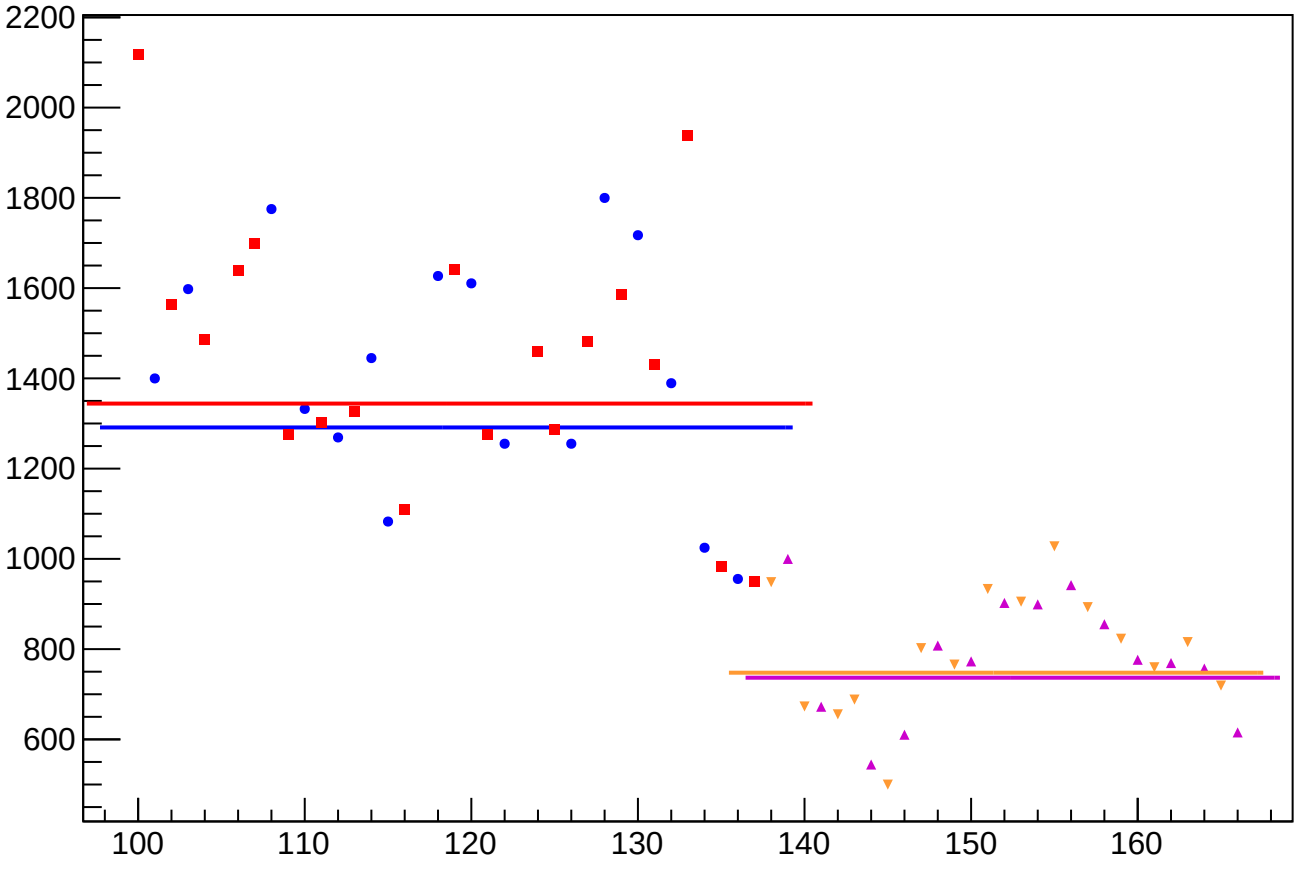
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -22.021+/-201.875 χ^2/NDF:32.5/29

Out: -882.278+/-203.010 χ^2/NDF:58.4/33

All: -449.738+/-143.147 χ^2/NDF: 99.9/63

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 747.782+/-0.157 χ^2/NDF:834026.5/14

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 736.669+/-0.156 χ^2/NDF:722414.5/13

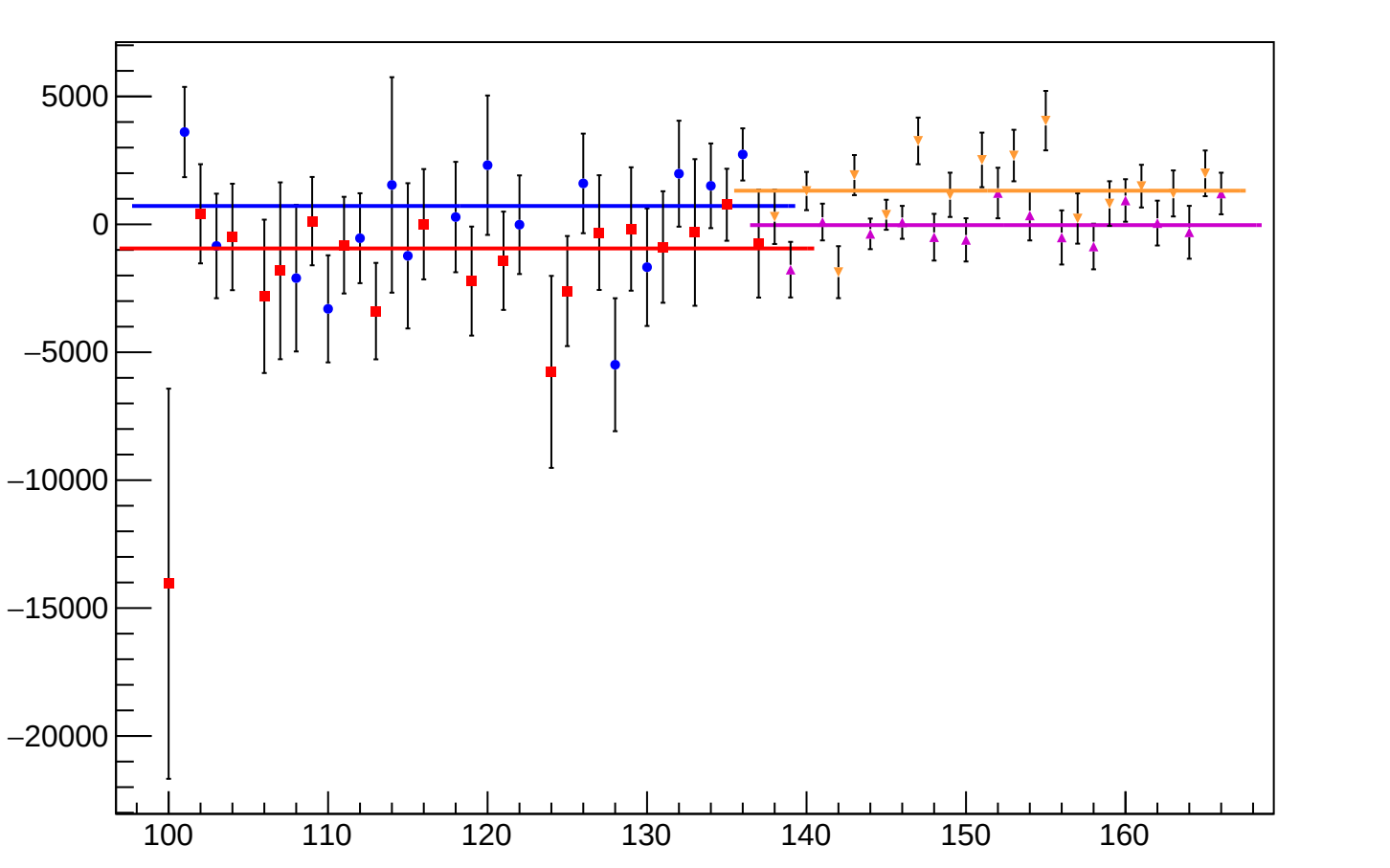
Left: 742.206+/-0.111 χ^2/NDF: 1558954.7/28

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

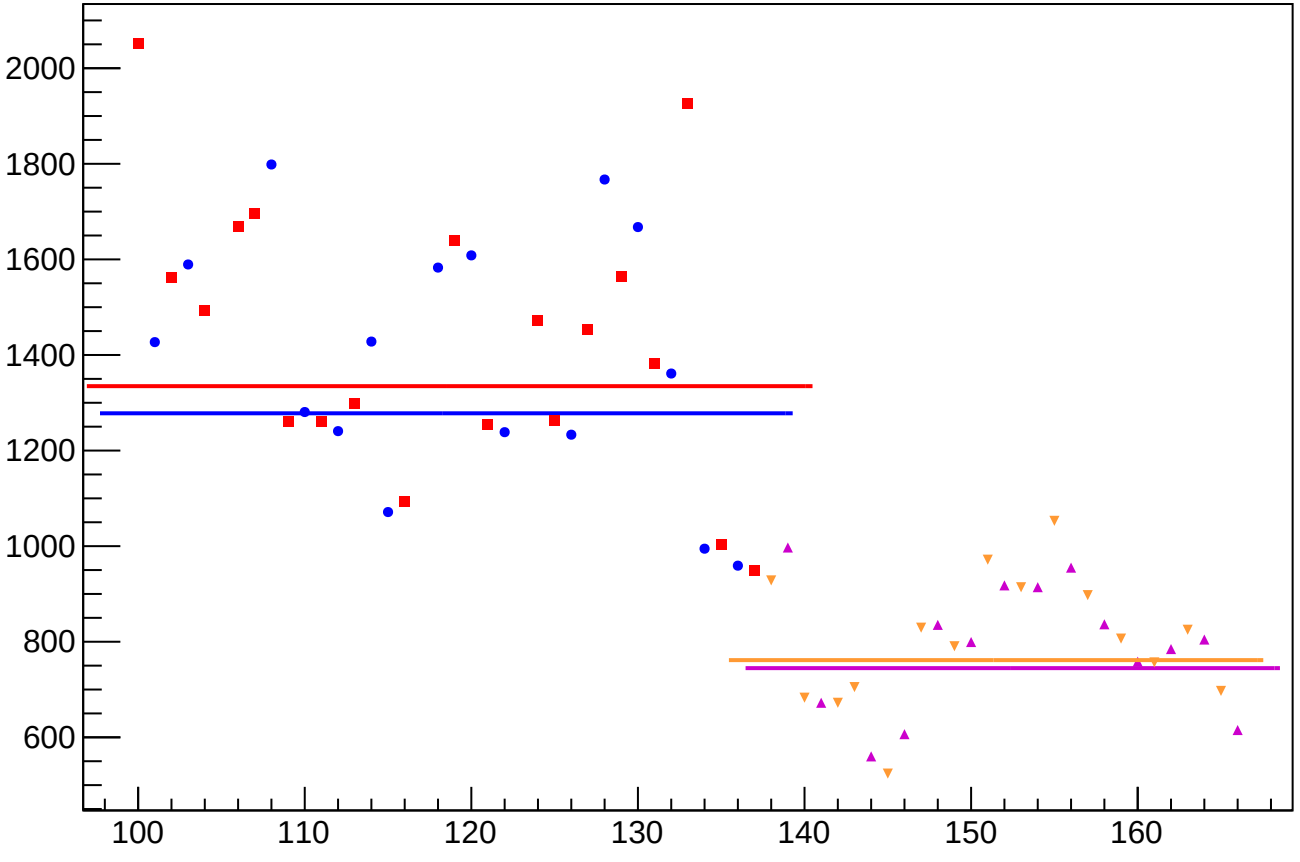
In: 829.559+/-0.143 χ^2/NDF:3437850.3/29

Out: 845.551+/-0.144 χ^2/NDF:3690465.9/33

All: 837.510+/-0.101 χ^2/NDF: 7134556.1/63


asym_sam_2468_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 717.617+/-488.239 χ²/NDF: 21.0/15
Left Out: 1315.329+/-225.964 χ²/NDF:29.4/14
Right Out: -942.308+/-498.052 χ²/NDF: 10.6/18
Left In: -30.221+/-223.568 χ²/NDF:10.3/13
Left: 635.382+/-158.927 χ²/NDF: 57.6/28
Right: -95.832+/-348.655 χ²/NDF: 37.2/34
In: 99.405+/-203.271 χ²/NDF:33.2/29
Out: 929.944+/-205.776 χ²/NDF:57.0/33
All: 509.587+/-144.612 χ²/NDF: 98.4/63

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 761.535+/-0.160 χ^2/NDF:751286.0/14

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 744.774+/-0.158 χ^2/NDF:722455.6/13

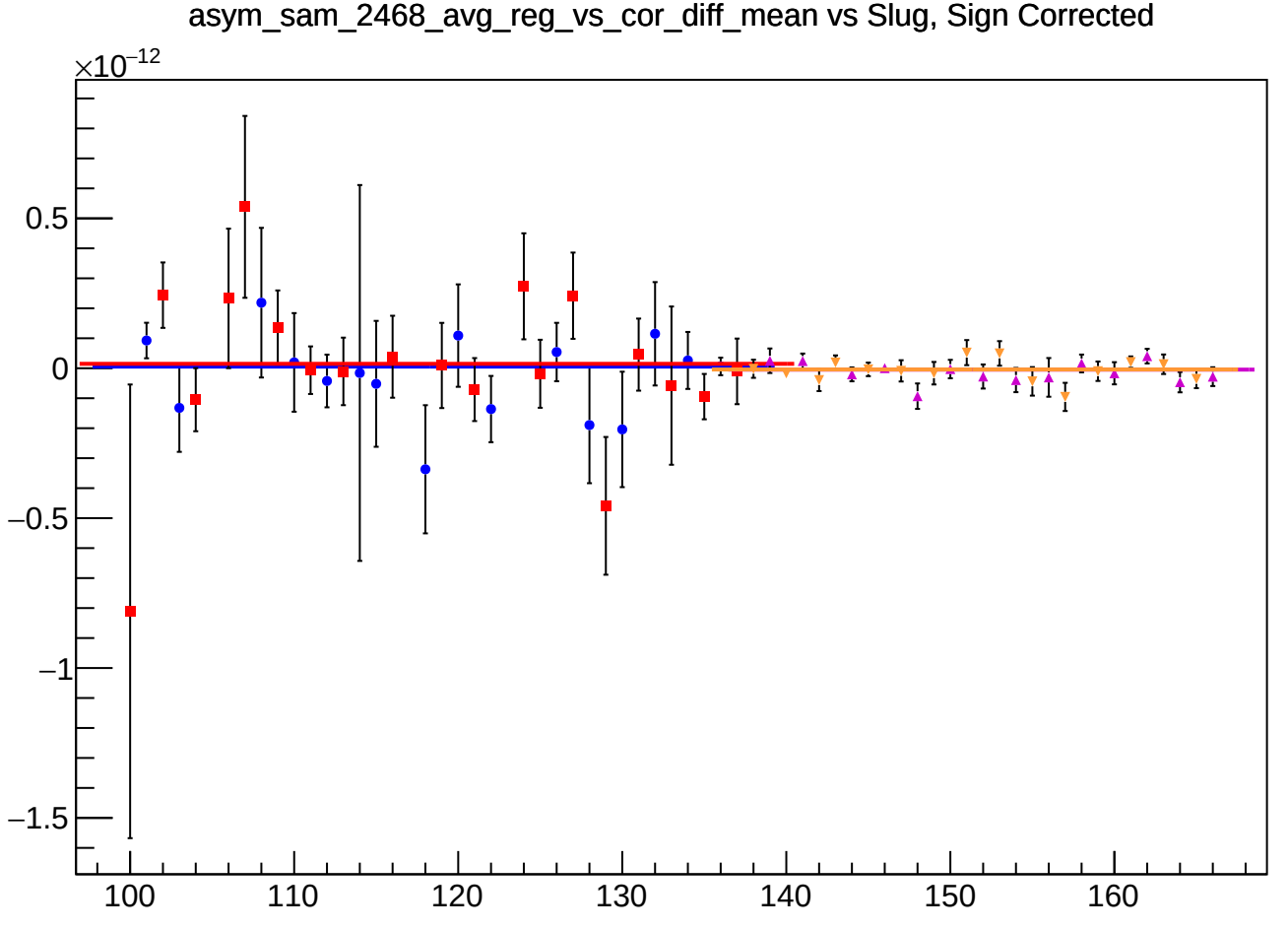
Left: 753.065+/-0.112 χ^2/NDF: 1479302.7/28

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 837.197+/-0.144 χ^2/NDF:3292018.8/29

Out: 859.389+/-0.146 χ^2/NDF:3420353.3/33

All: 848.157+/-0.102 χ^2/NDF: 6724145.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/13

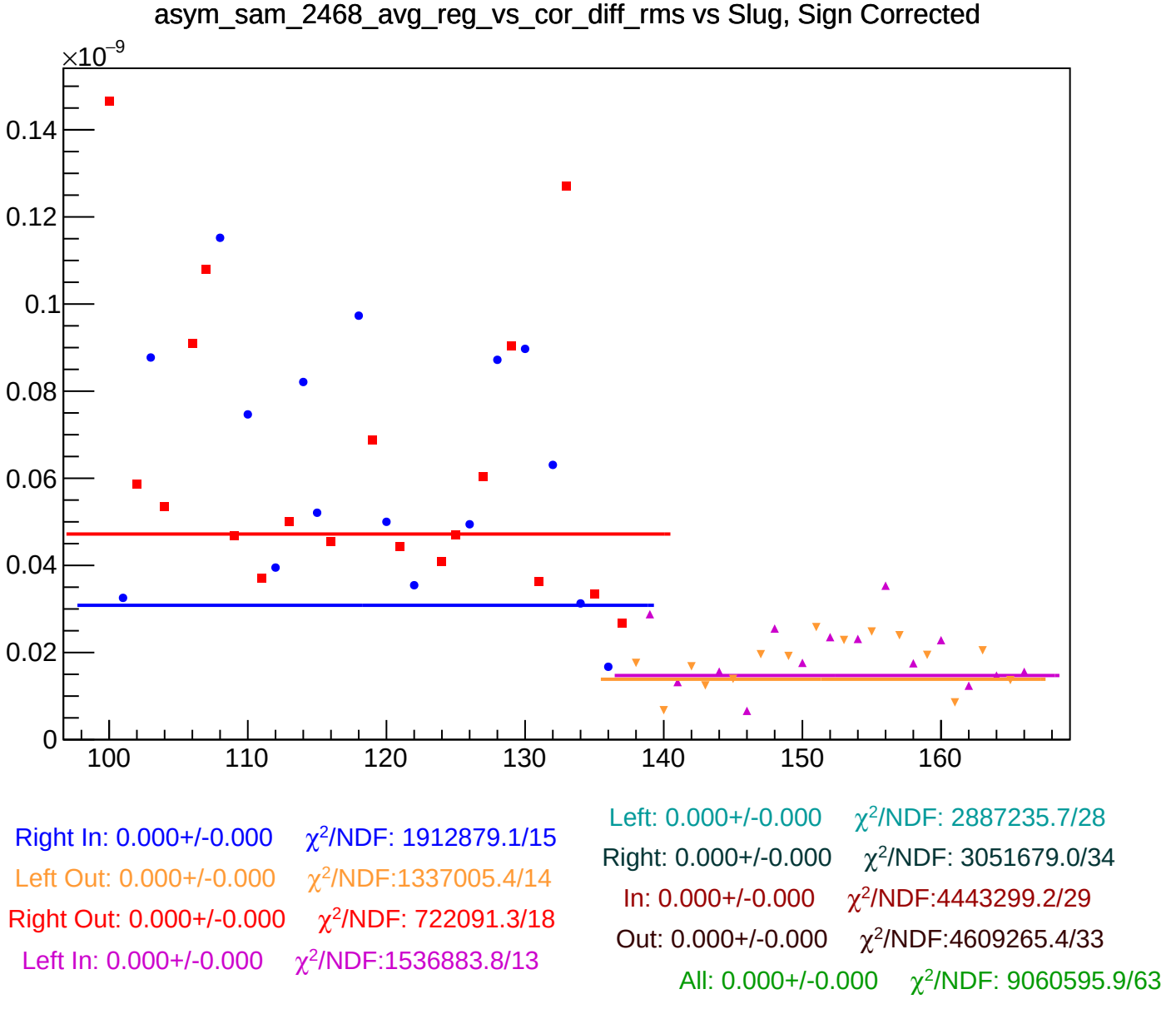
Left: -0.000+/-0.000 χ^2/NDF: 27.9/28

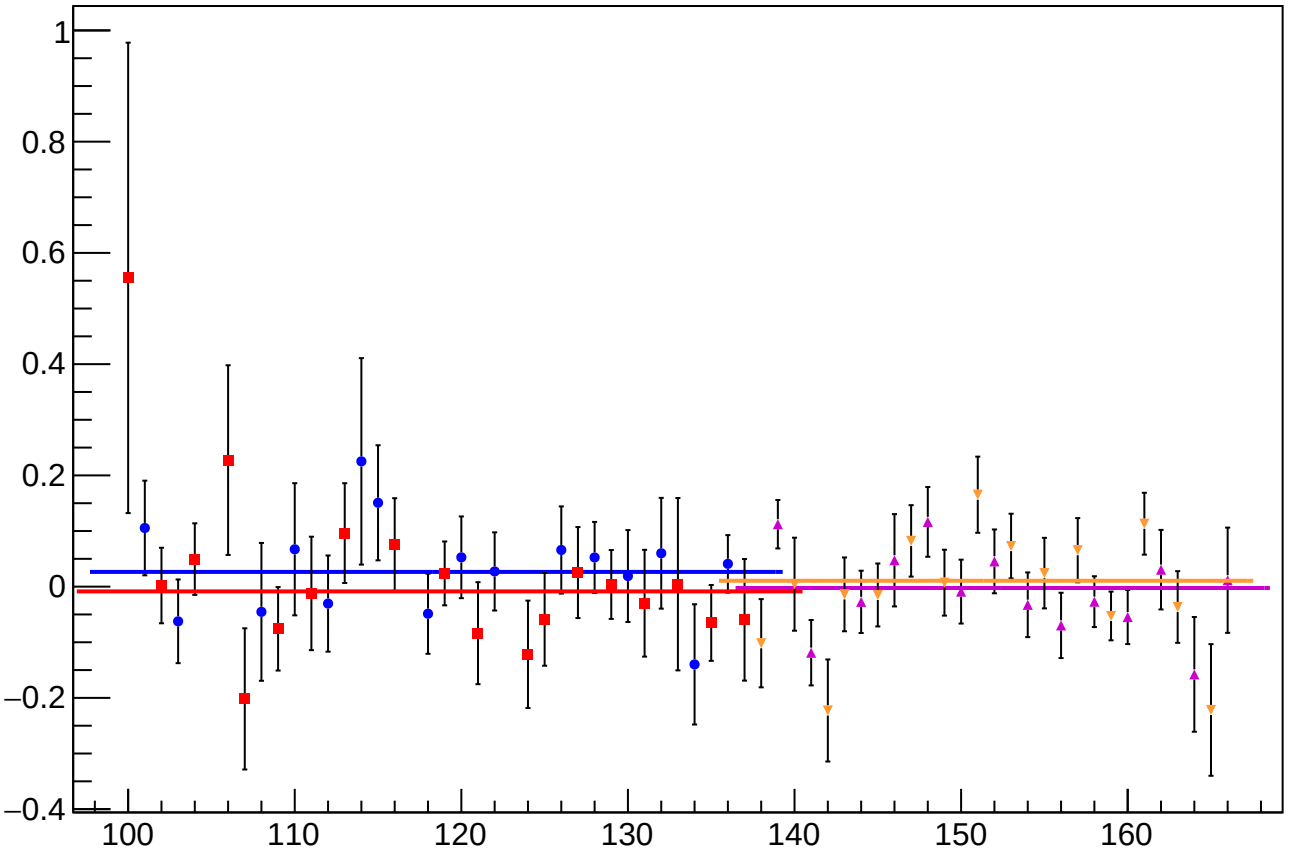
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.9/29

Out: -0.000+/-0.000 χ^2/NDF:37.9/33

All: -0.000+/-0.000 χ^2/NDF: 63.9/63


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1337005.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1536883.8/13
Left: 0.000+/-0.000 χ²/NDF: 2887235.7/28
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4443299.2/29
Out: 0.000+/-0.000 χ²/NDF:4609265.4/33
All: 0.000+/-0.000 χ²/NDF: 9060595.9/63



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

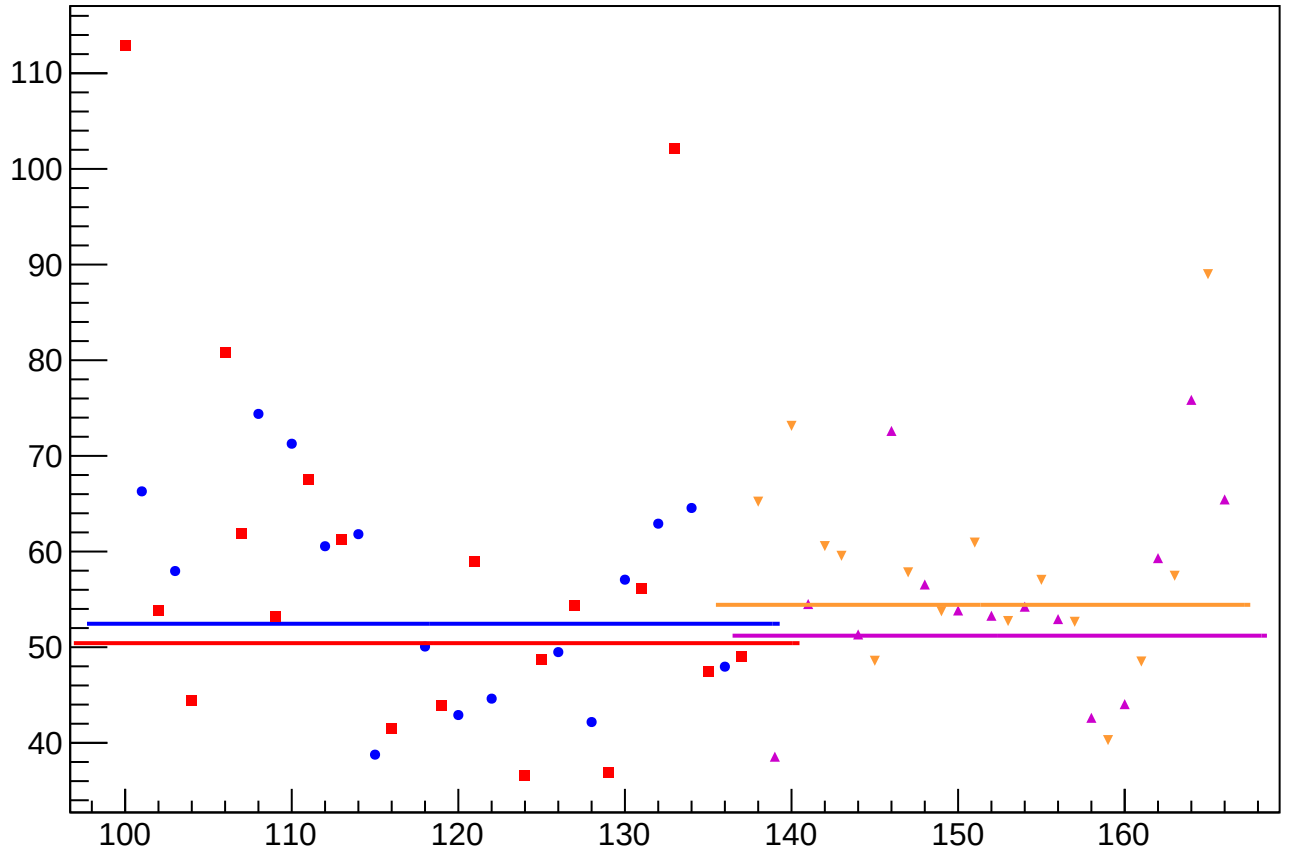
Left: 0.004+/-0.011 χ^2/NDF: 48.7/28

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.006+/-0.009 χ^2/NDF: 74.2/63



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.204+/-0.011 χ^2/NDF:636042.7/13

Left: 52.749+/-0.008 χ^2/NDF: 1292735.5/28

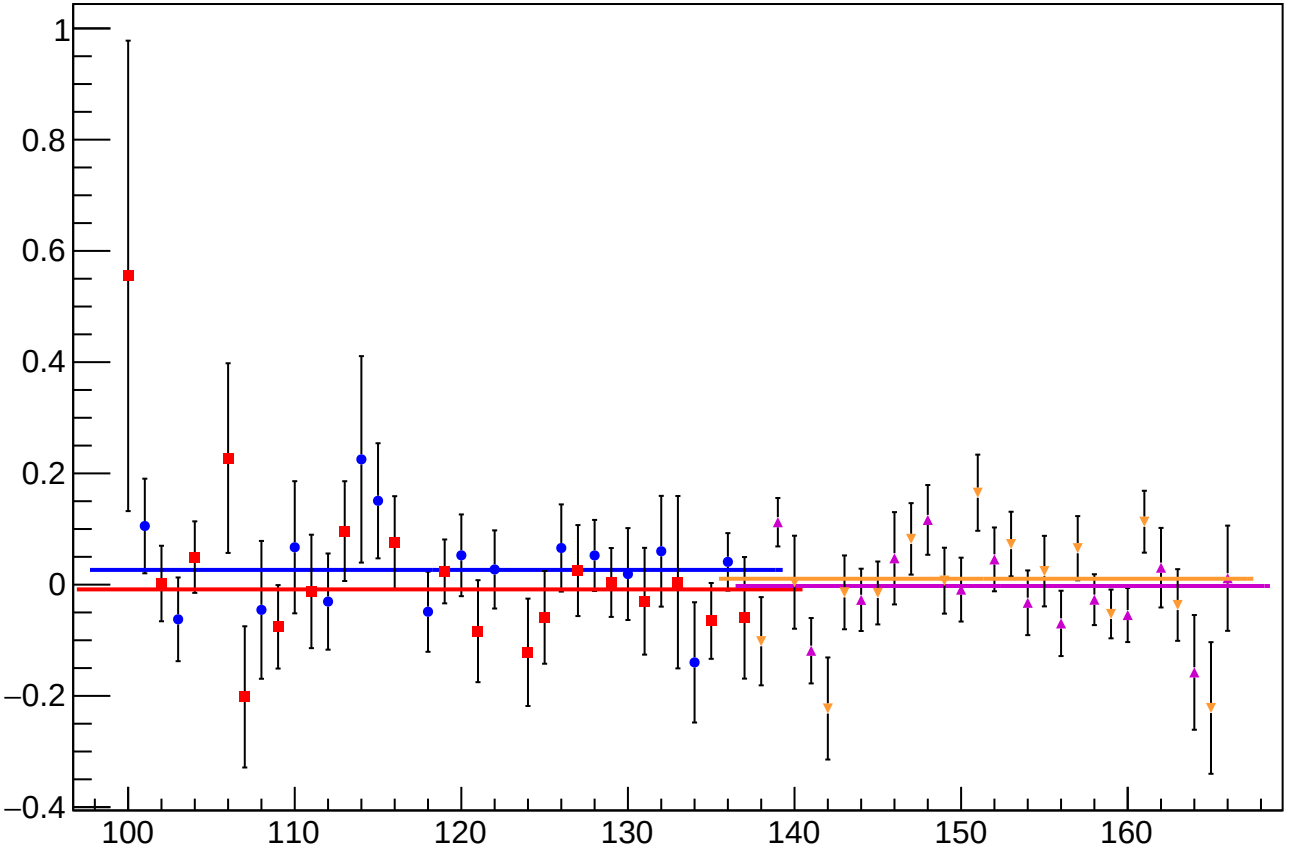
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.670+/-0.009 χ^2/NDF:1058735.7/29

Out: 52.764+/-0.009 χ^2/NDF:1342723.9/33

All: 52.213+/-0.006 χ^2/NDF: 2409103.8/63

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

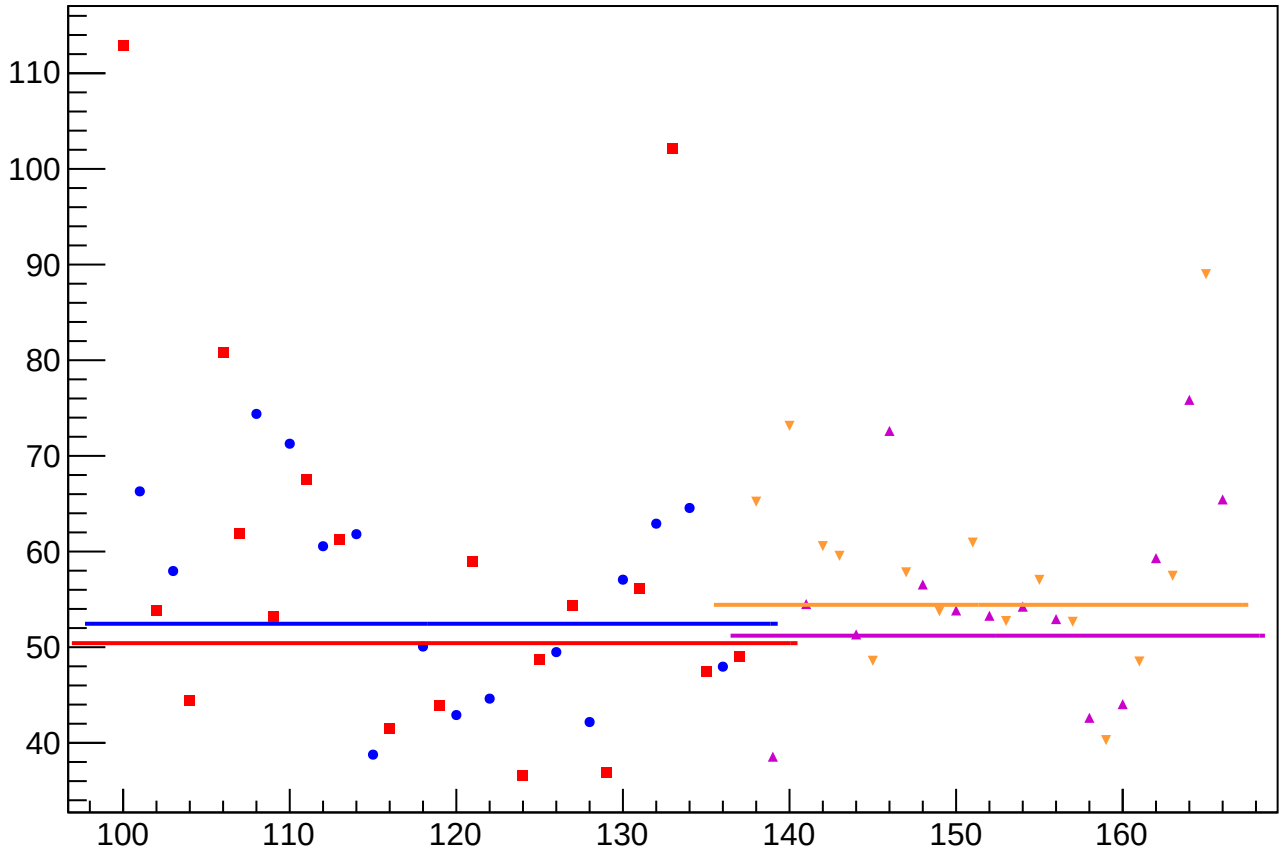
Left: 0.004+/-0.011 χ^2/NDF: 48.7/28

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.006+/-0.009 χ^2/NDF: 74.2/63



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.204+/-0.011 χ^2/NDF:636042.7/13

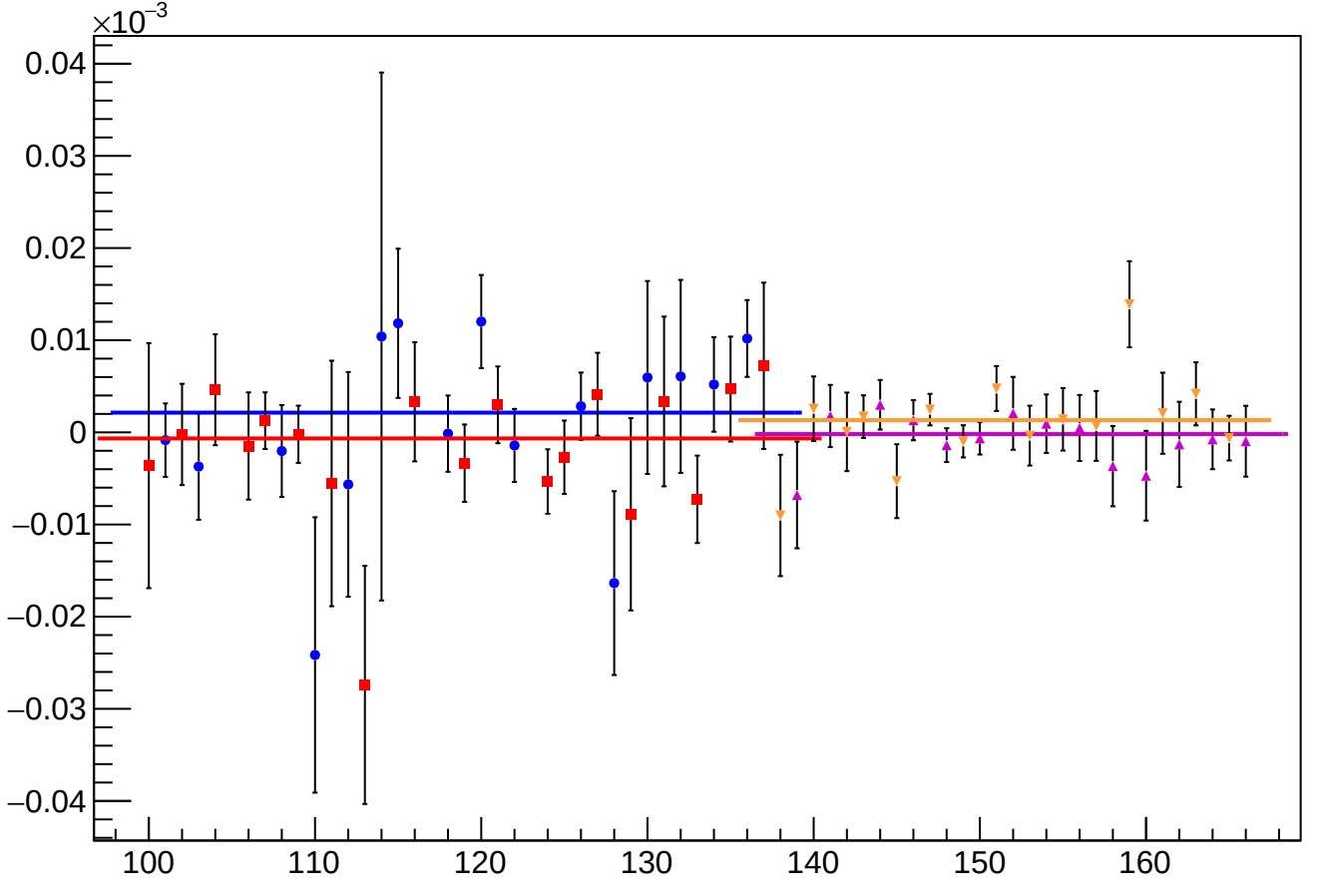
Left: 52.749+/-0.008 χ^2/NDF: 1292735.5/28

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.670+/-0.009 χ^2/NDF:1058735.7/29

Out: 52.764+/-0.009 χ^2/NDF:1342723.9/33

All: 52.213+/-0.006 χ^2/NDF: 2409103.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/13

Left: 0.000+/-0.000 χ^2/NDF: 26.6/28

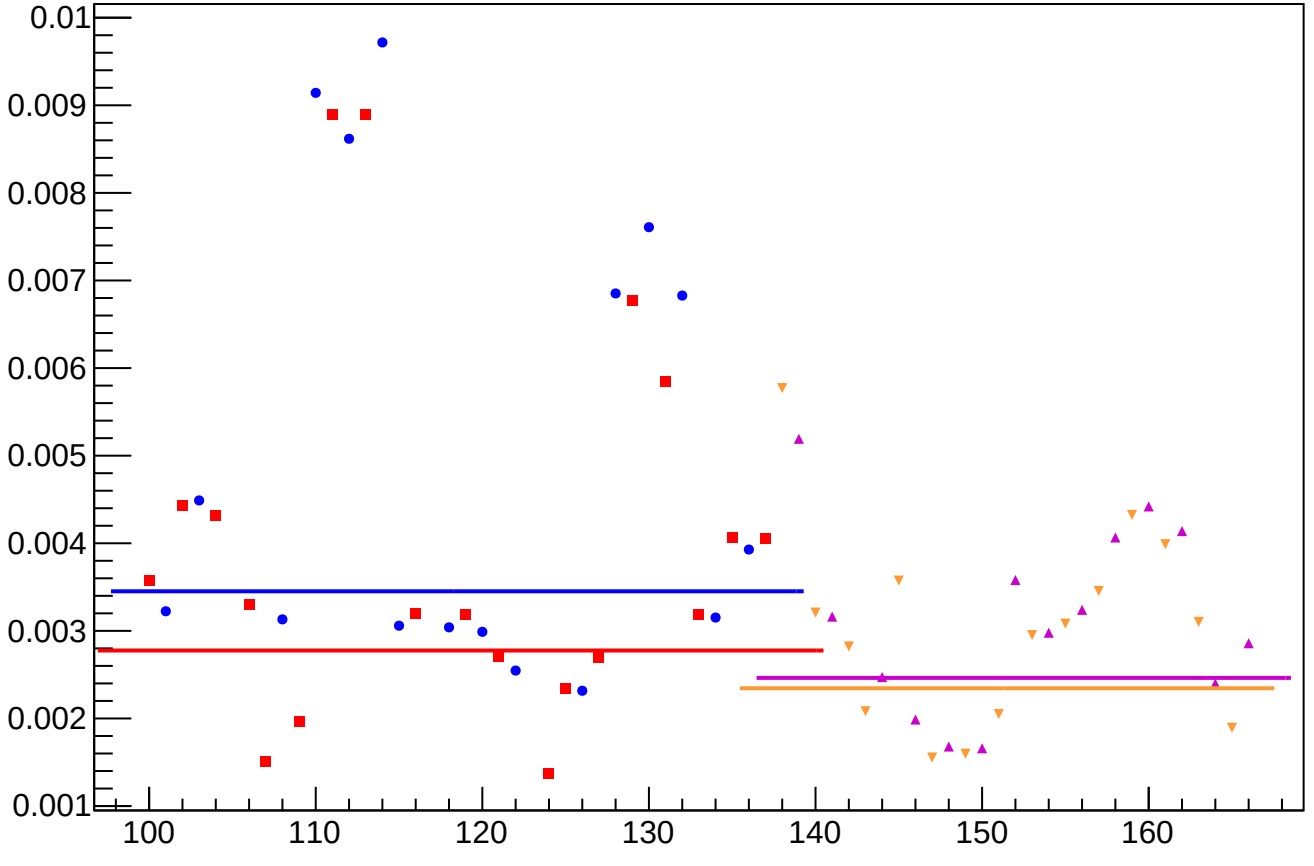
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.3/29

Out: 0.000+/-0.000 χ^2/NDF:35.4/33

All: 0.000+/-0.000 χ^2/NDF: 63.9/63

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2867758.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2597901.5/13

Left: 0.002+/-0.000 χ^2/NDF: 5489933.1/28

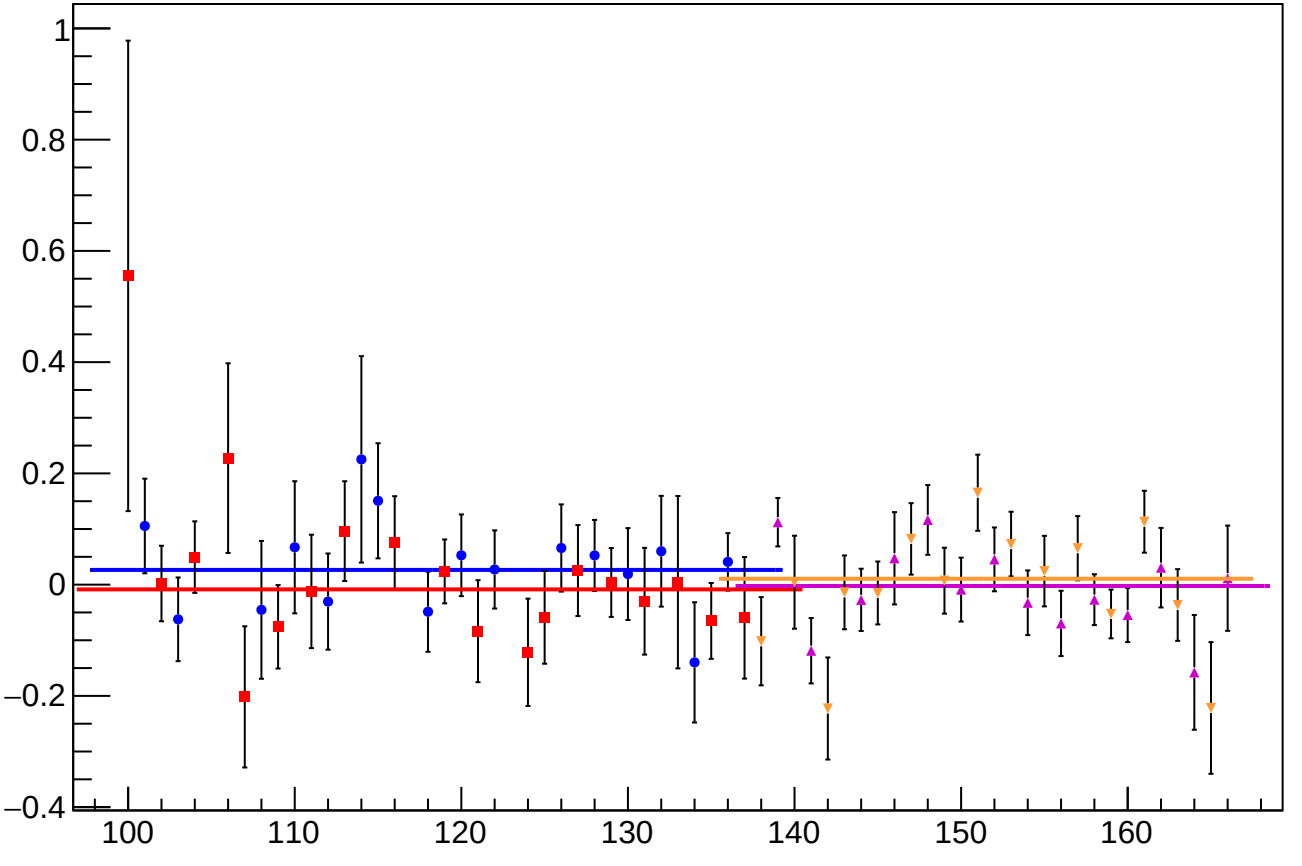
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5320915.4/29

Out: 0.002+/-0.000 χ^2/NDF:5802440.6/33

All: 0.003+/-0.000 χ^2/NDF: 11250238.8/63

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

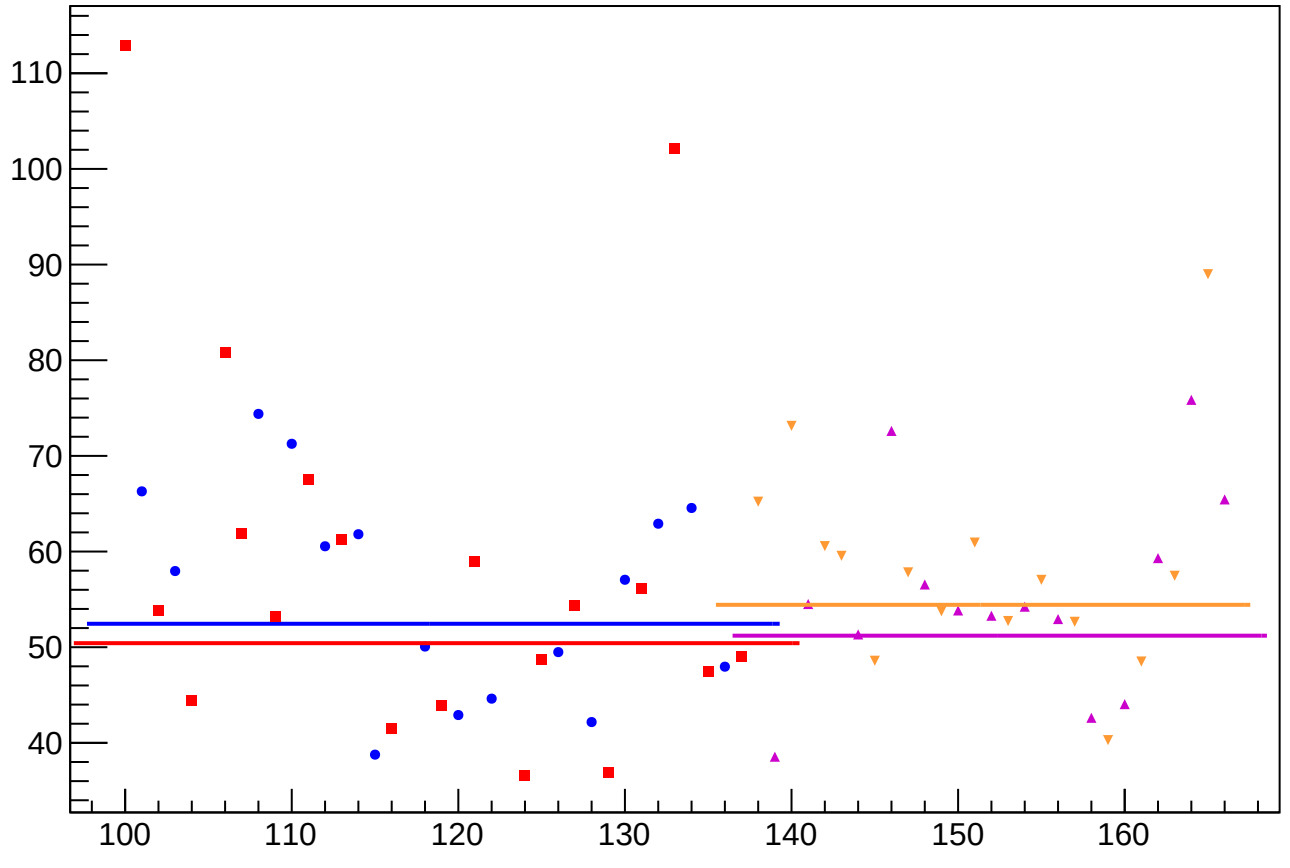
Left: 0.004+/-0.011 χ^2/NDF: 48.7/28

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.006+/-0.009 χ^2/NDF: 74.2/63



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.431+/-0.012 χ^2/NDF:616534.1/14

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.204+/-0.011 χ^2/NDF:636132.6/13

Left: 52.749+/-0.008 χ^2/NDF: 1292847.2/28

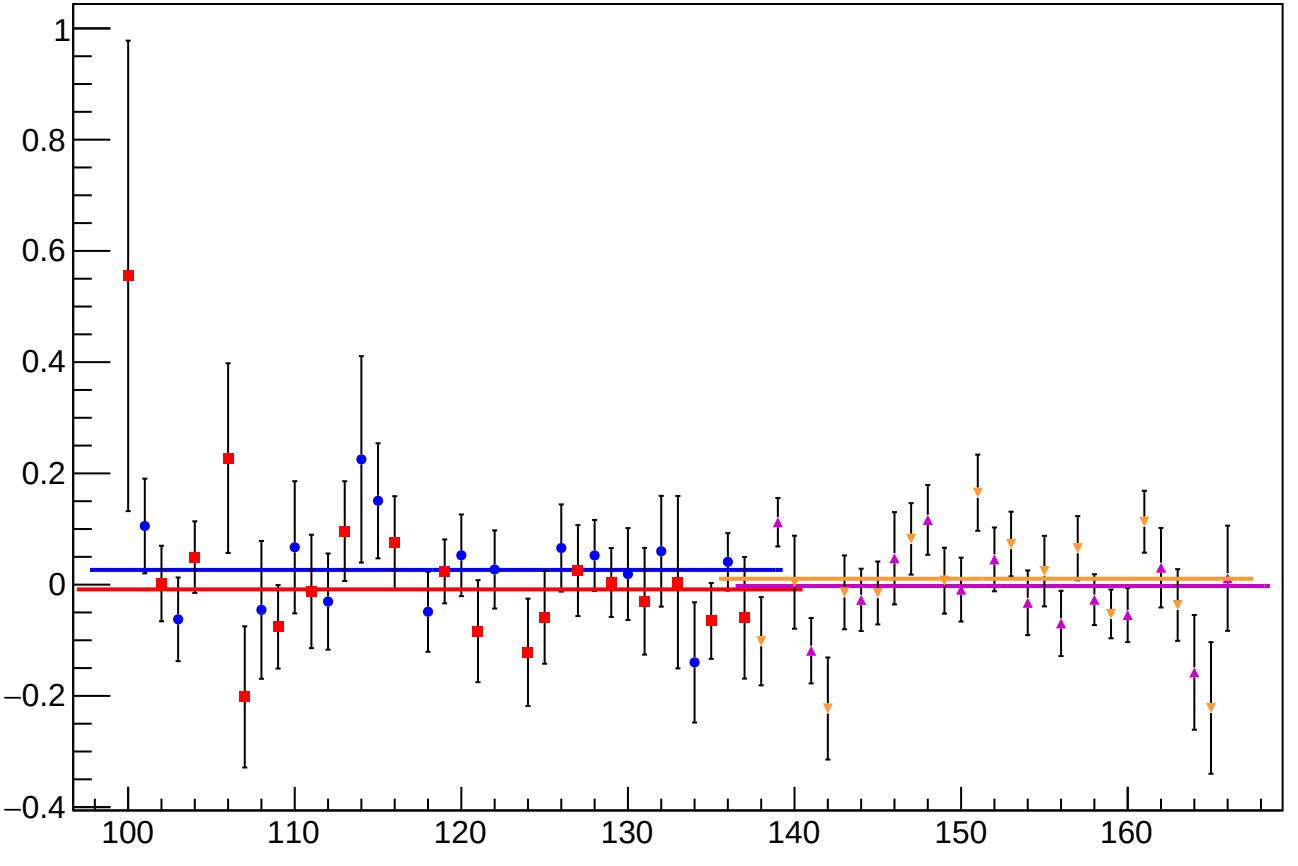
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.670+/-0.009 χ^2/NDF:1058769.2/29

Out: 52.764+/-0.009 χ^2/NDF:1342783.9/33

All: 52.213+/-0.006 χ^2/NDF: 2409197.8/63

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.002+/-0.016 χ^2/NDF:21.2/13

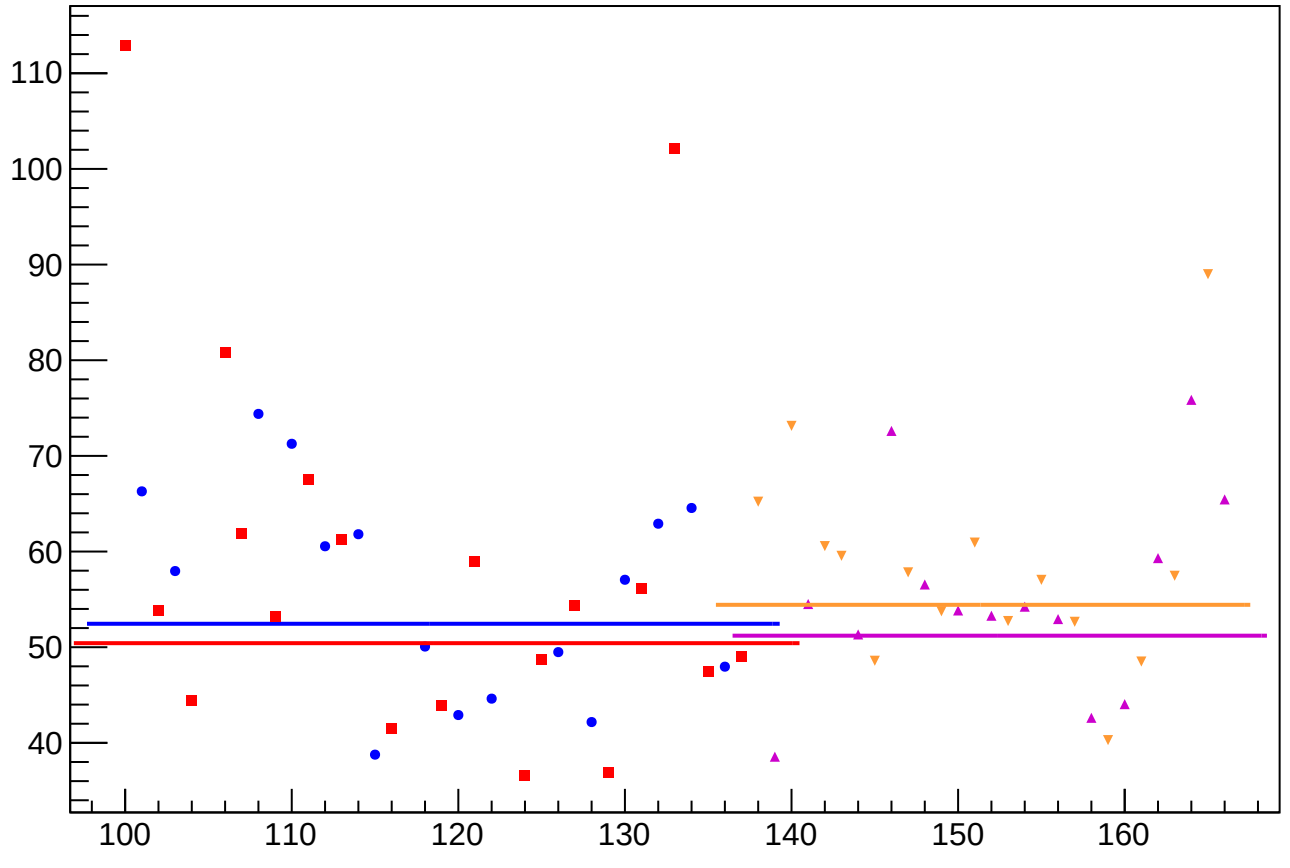
Left: 0.004+/-0.011 χ^2/NDF: 48.7/28

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.012 χ^2/NDF:32.4/29

Out: 0.003+/-0.013 χ^2/NDF:41.7/33

All: 0.006+/-0.009 χ^2/NDF: 74.2/63



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.431+/-0.012 χ^2/NDF:616534.1/14

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.204+/-0.011 χ^2/NDF:636132.6/13

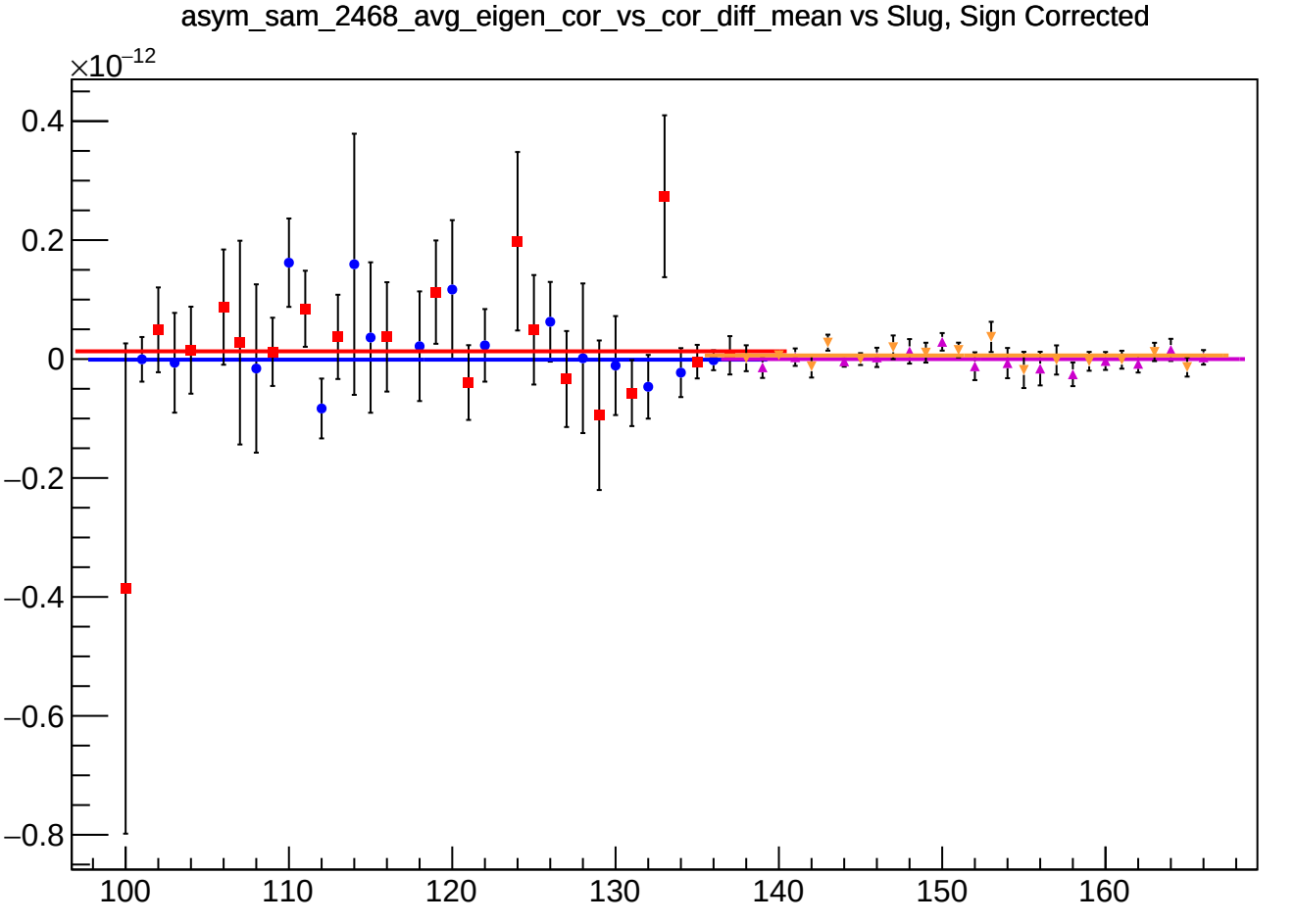
Left: 52.749+/-0.008 χ^2/NDF: 1292847.2/28

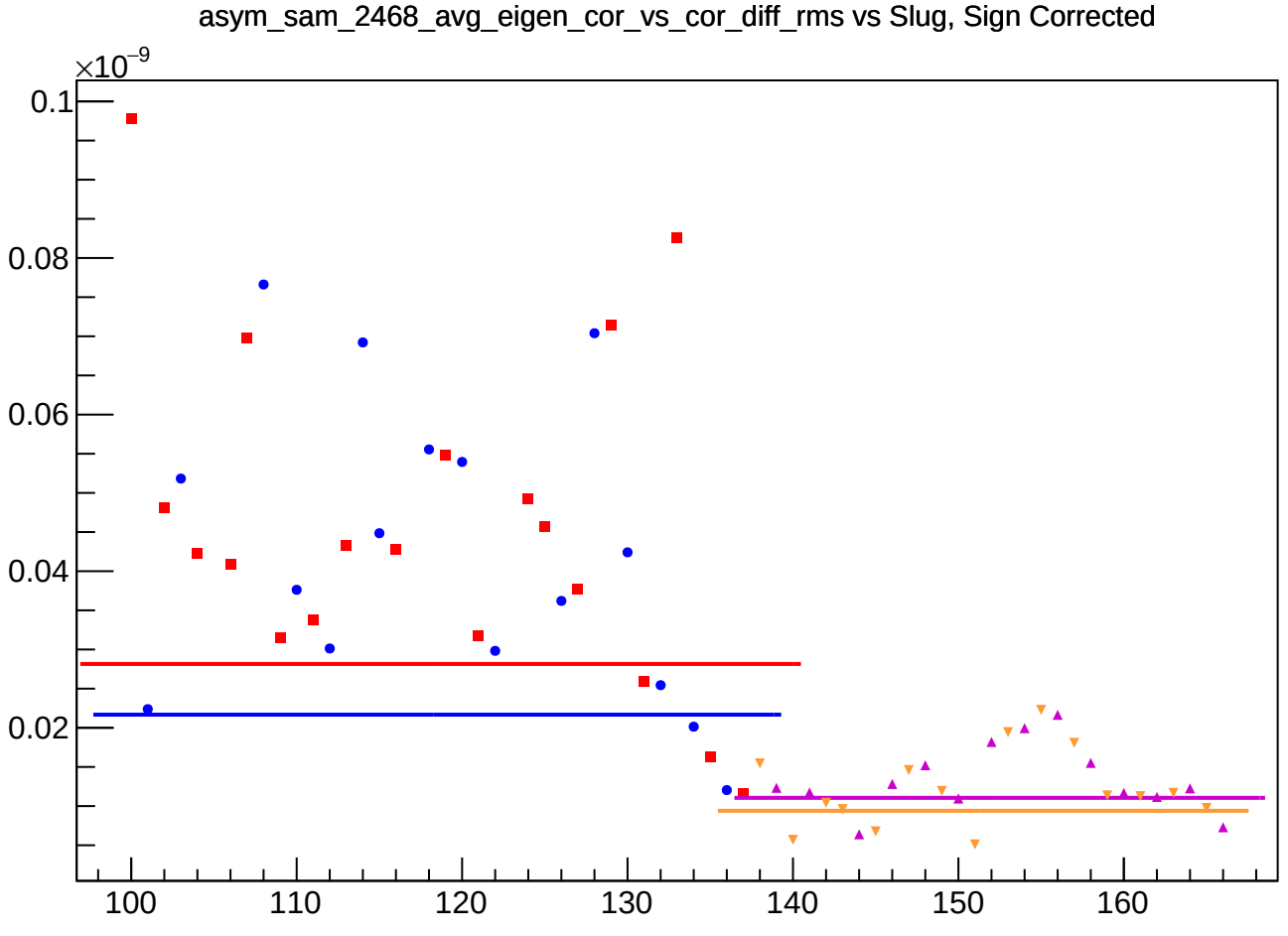
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.670+/-0.009 χ^2/NDF:1058769.2/29

Out: 52.764+/-0.009 χ^2/NDF:1342783.9/33

All: 52.213+/-0.006 χ^2/NDF: 2409197.8/63


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:8.5/13
Left: 0.000+/-0.000 χ²/NDF: 19.1/28
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:19.7/29
Out: 0.000+/-0.000 χ²/NDF:23.3/33
All: 0.000+/-0.000 χ²/NDF: 44.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2159924.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1657368.3/13

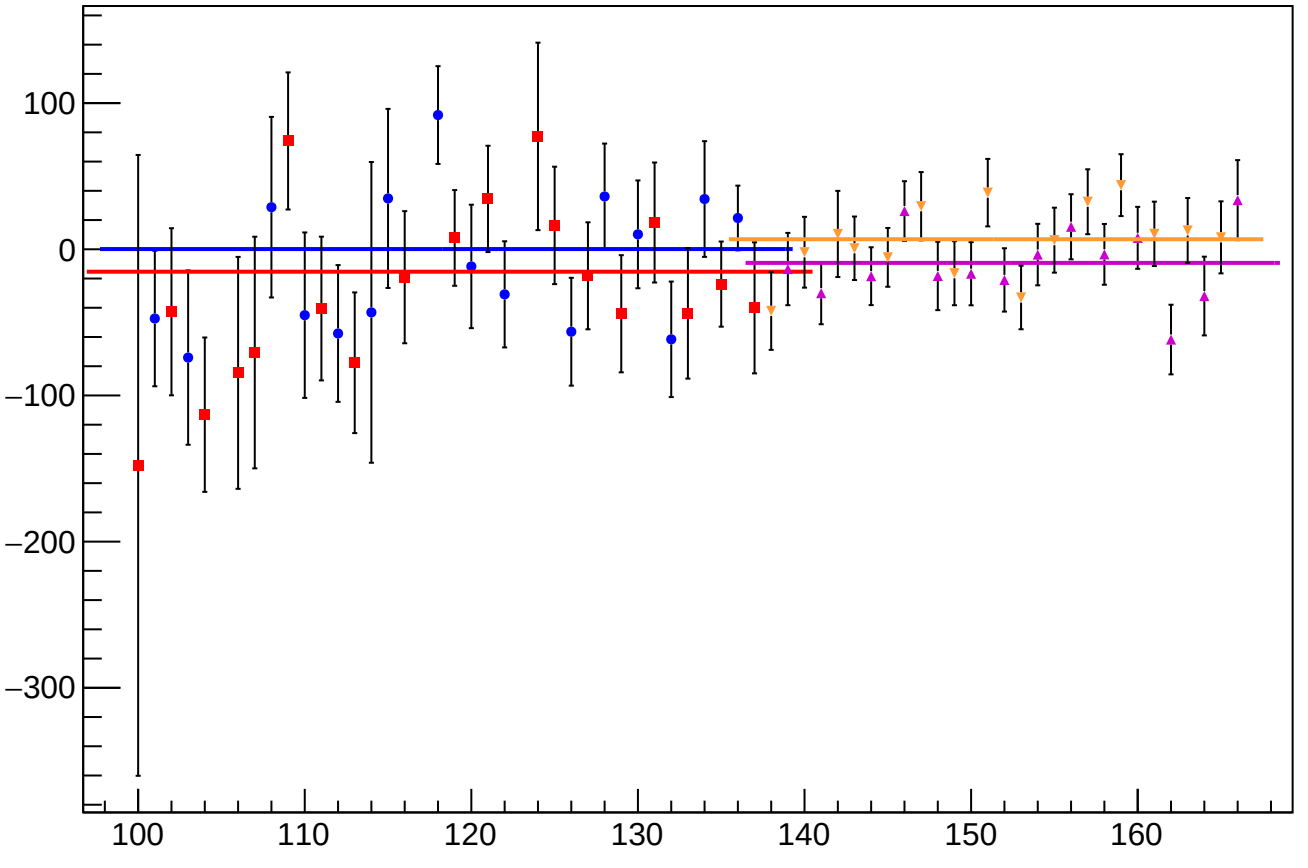
Left: 0.000+/-0.000 χ^2/NDF: 3985875.0/28

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5580265.2/29

Out: 0.000+/-0.000 χ^2/NDF:7669153.6/33

All: 0.000+/-0.000 χ^2/NDF: 13424804.0/63



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.882+/-5.894 χ^2/NDF:15.8/14

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -9.301+/-5.955 χ^2/NDF:14.8/13

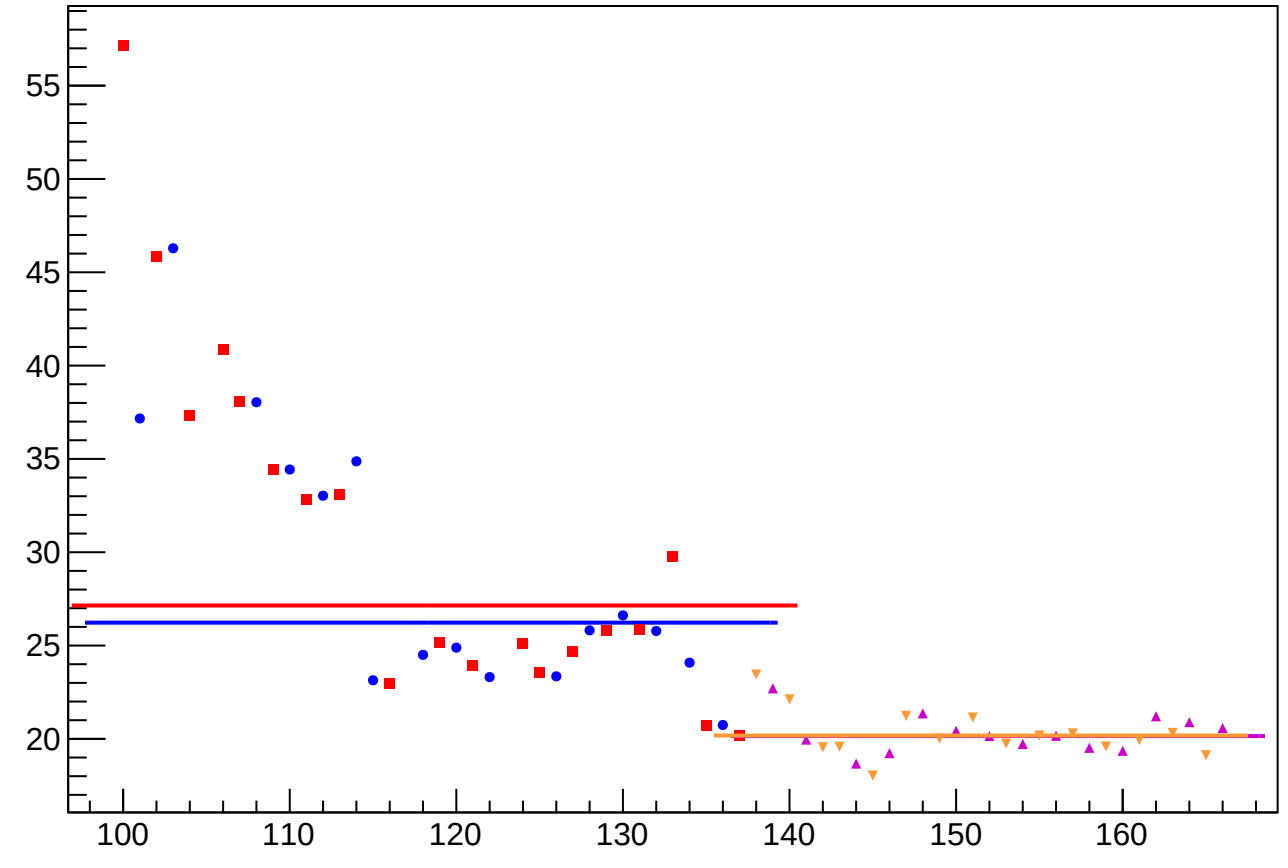
Left: -1.126+/-4.189 χ^2/NDF: 34.4/28

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.843+/-5.123 χ^2/NDF:36.8/29

Out: 1.375+/-5.112 χ^2/NDF:37.3/33

All: -2.725+/-3.619 χ^2/NDF: 75.4/63



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

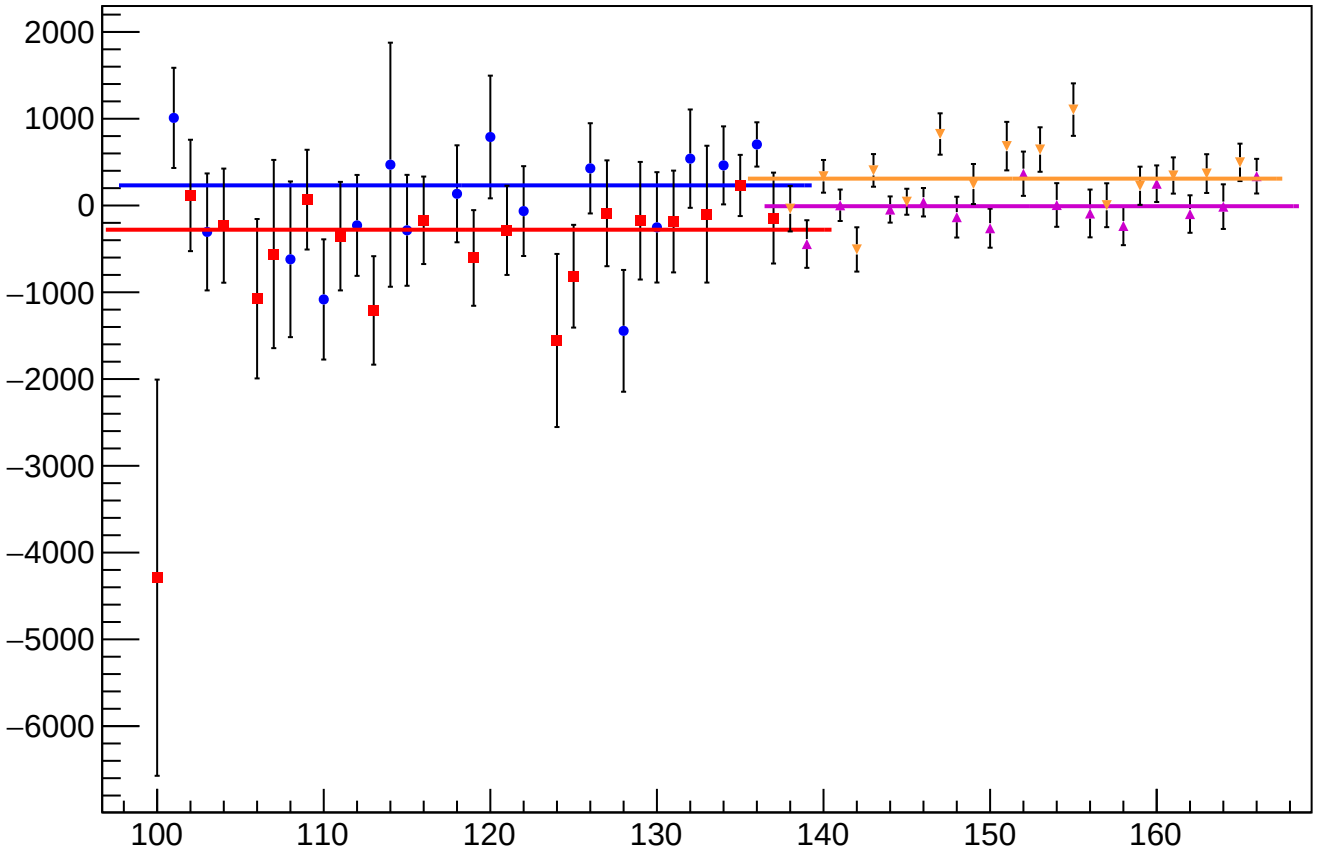
Left: 20.165+/-0.003 χ^2/NDF: 135736.3/28

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.730+/-0.004 χ^2/NDF:1271259.7/29

Out: 21.907+/-0.004 χ^2/NDF:1529580.6/33

All: 21.818+/-0.003 χ^2/NDF: 2802044.5/63



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.645+/-57.077 χ^2/NDF:33.0/14

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -8.056+/-56.660 χ^2/NDF:12.2/13

Left: 149.630+/-40.211 χ^2/NDF: 60.8/28

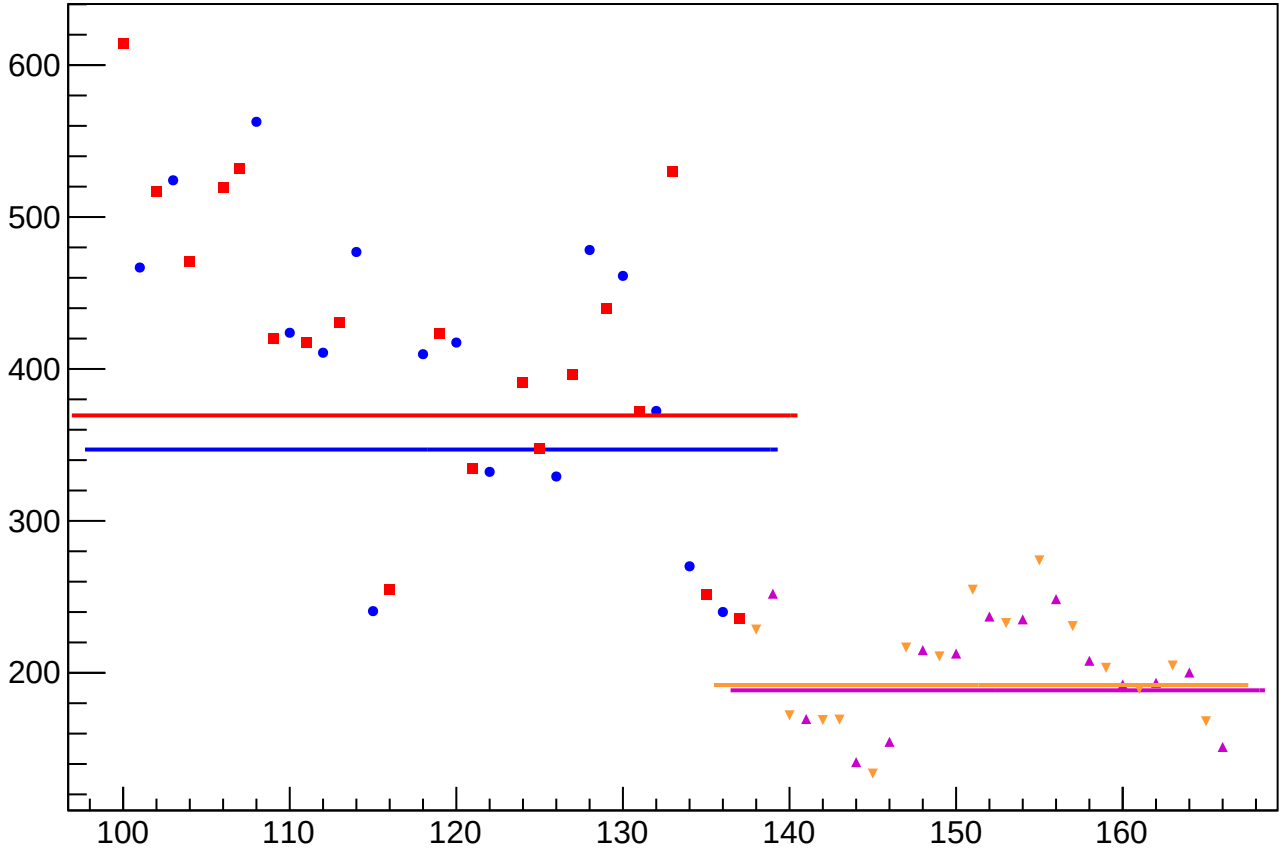
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 27.968+/-52.237 χ^2/NDF:34.6/29

Out: 225.709+/-52.851 χ^2/NDF:60.3/33

All: 125.684+/-37.152 χ^2/NDF: 101.9/63

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826729.2/14

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786613.9/13

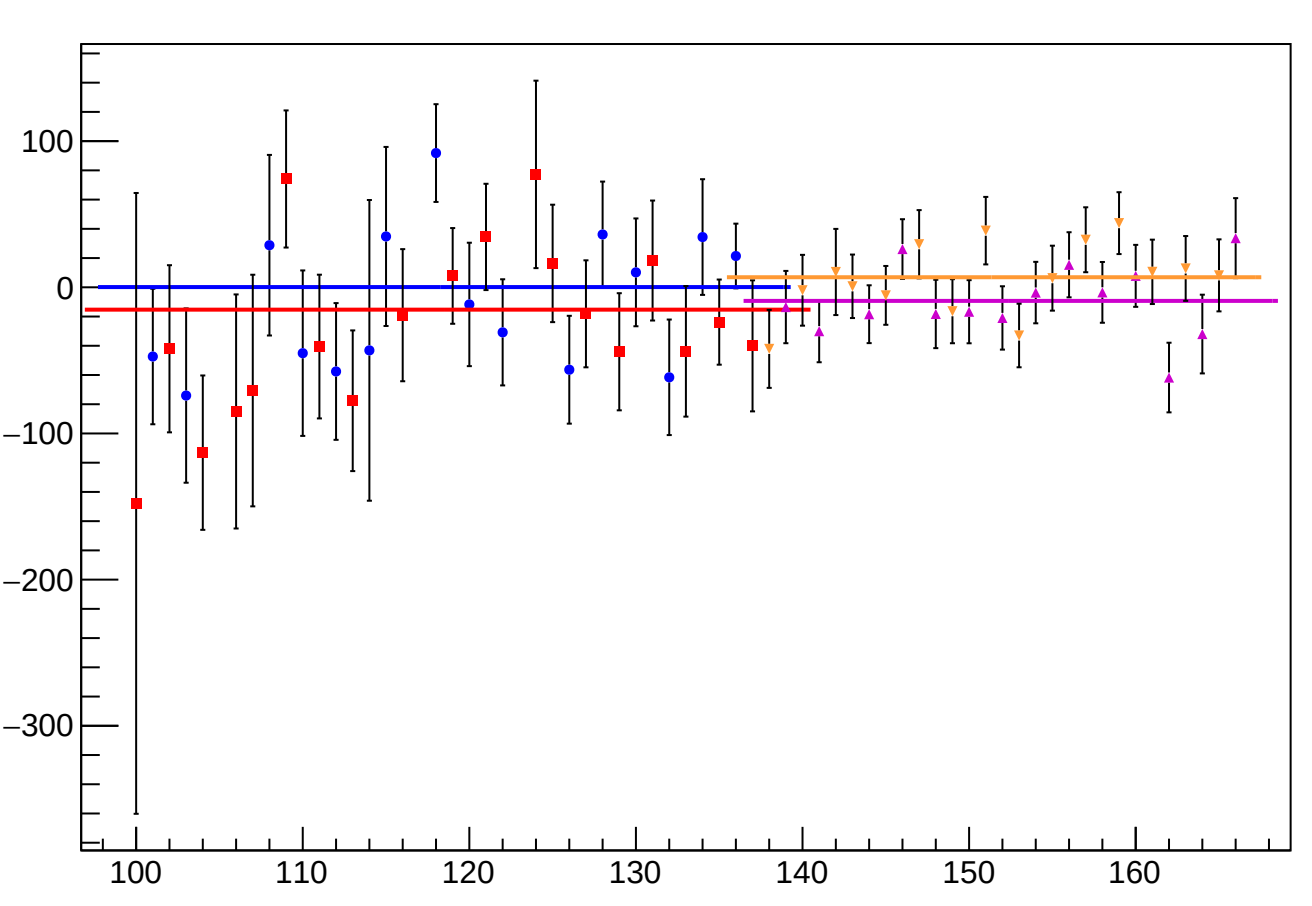
Left: 190.225+/-0.028 χ^2/NDF: 1617098.6/28

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 212.268+/-0.037 χ^2/NDF:4191693.1/29

Out: 217.279+/-0.037 χ^2/NDF:4501314.8/33

All: 214.744+/-0.026 χ^2/NDF: 8702101.2/63



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.881+/-5.894 χ^2/NDF:15.8/14

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -9.301+/-5.955 χ^2/NDF:14.8/13

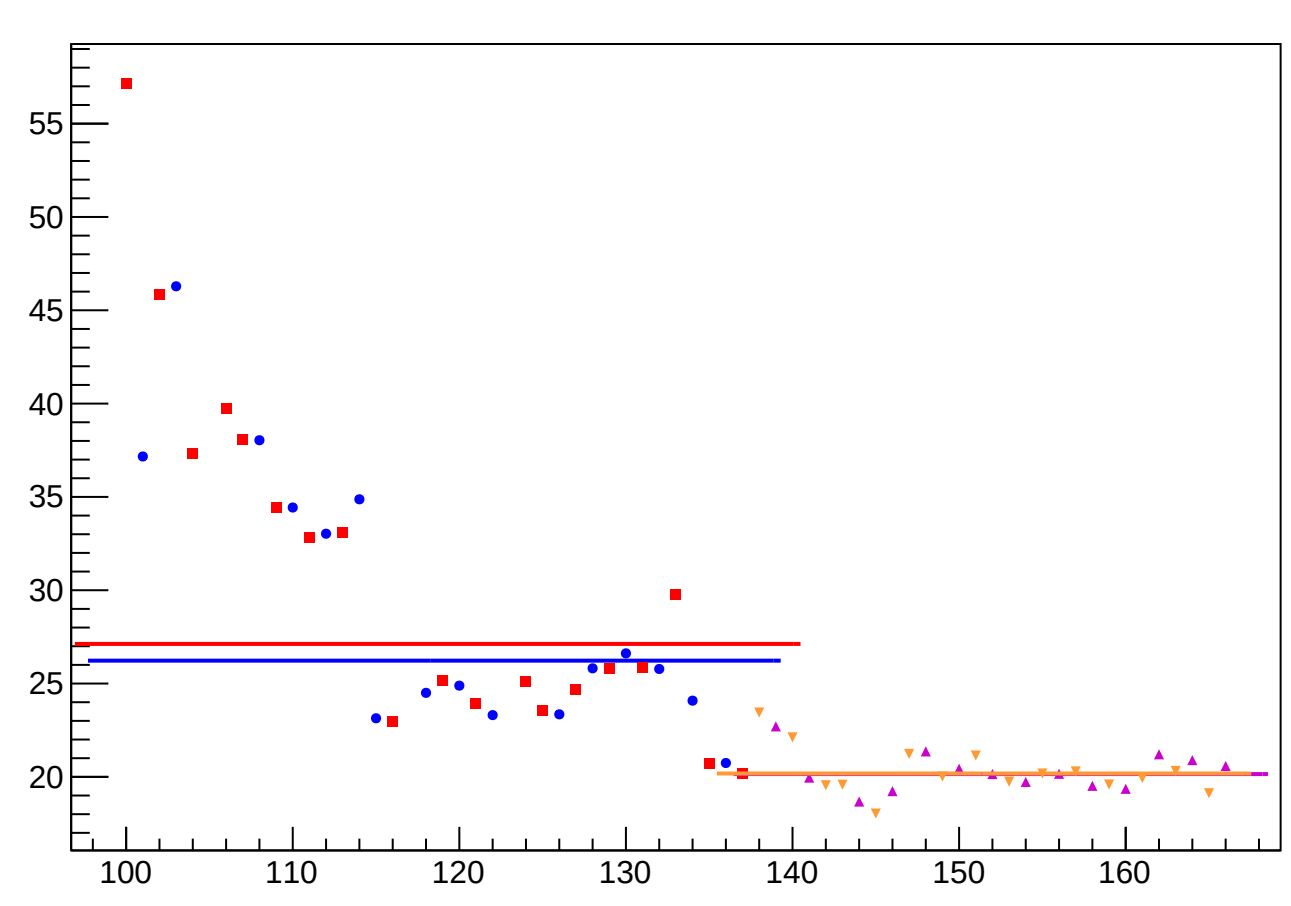
Left: -1.127+/-4.189 χ^2/NDF: 34.4/28

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.842+/-5.123 χ^2/NDF:36.8/29

Out: 1.386+/-5.112 χ^2/NDF:37.2/33

All: -2.719+/-3.619 χ^2/NDF: 75.3/63



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

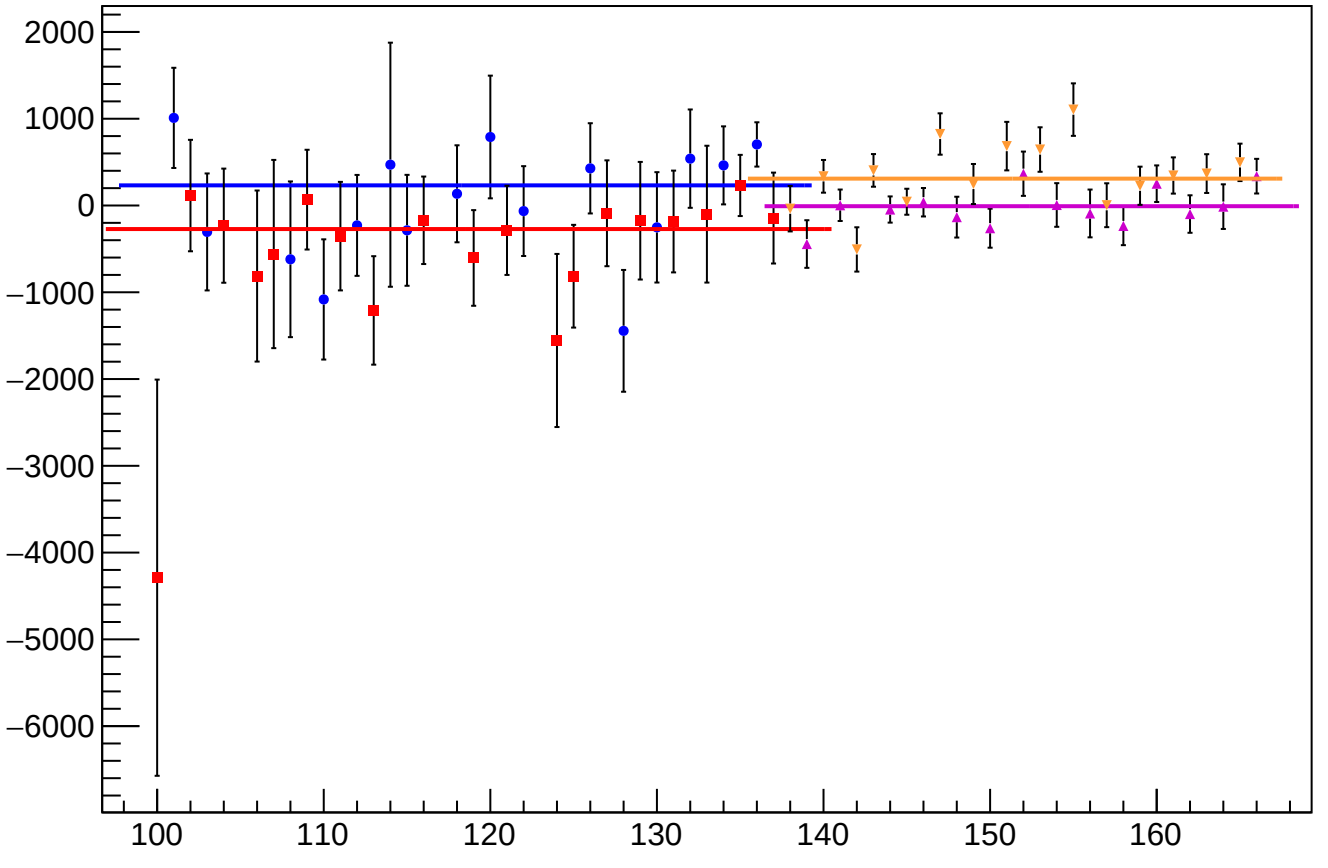
Left: 20.165+/-0.003 χ^2/NDF: 135736.3/28

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.730+/-0.004 χ^2/NDF:1271263.1/29

Out: 21.901+/-0.004 χ^2/NDF:1515315.3/33

All: 21.816+/-0.003 χ^2/NDF: 2787704.3/63



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.644+/-57.077 χ^2/NDF:33.0/14

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -8.057+/-56.660 χ^2/NDF:12.2/13

Left: 149.629+/-40.211 χ^2/NDF: 60.8/28

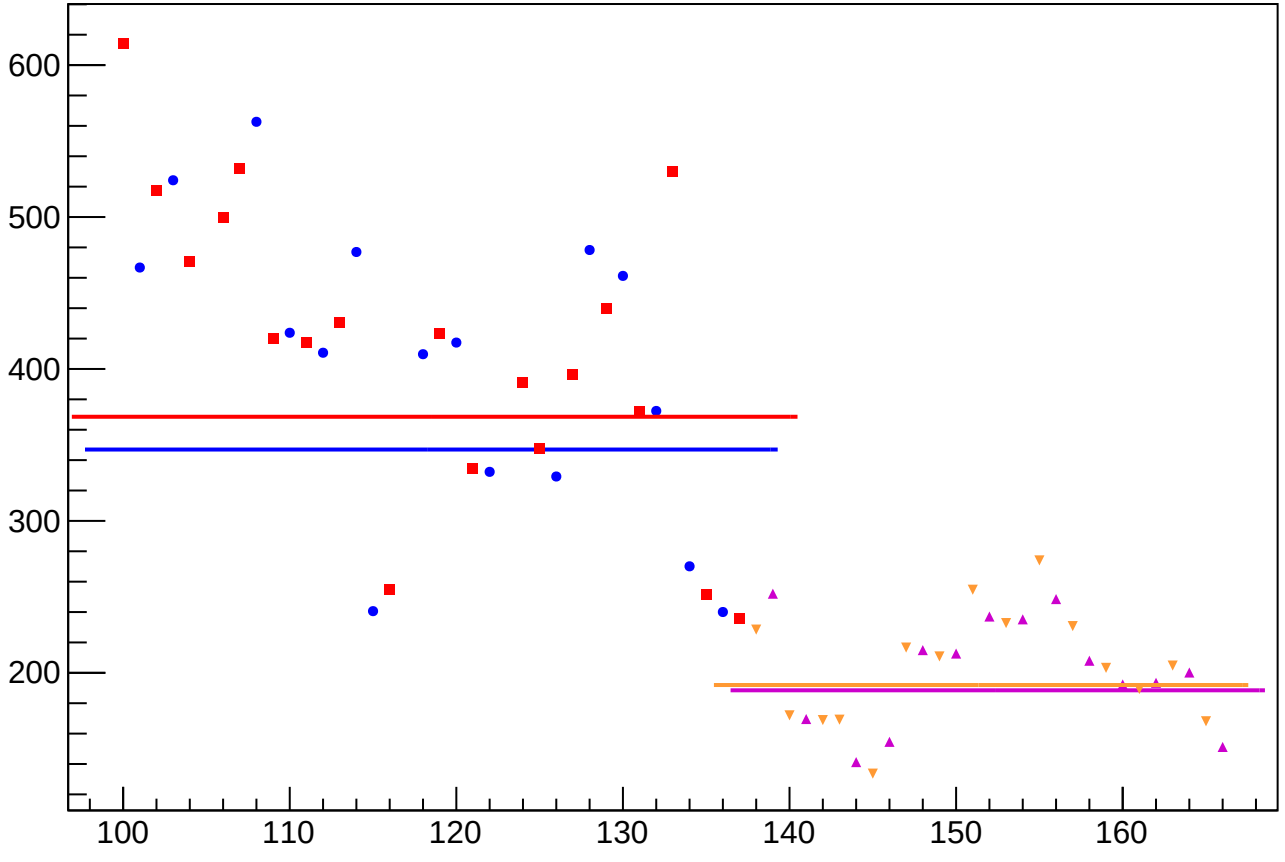
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 27.967+/-52.237 χ^2/NDF:34.6/29

Out: 227.016+/-52.863 χ^2/NDF:59.4/33

All: 126.307+/-37.156 χ^2/NDF: 101.1/63

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786611.3/13

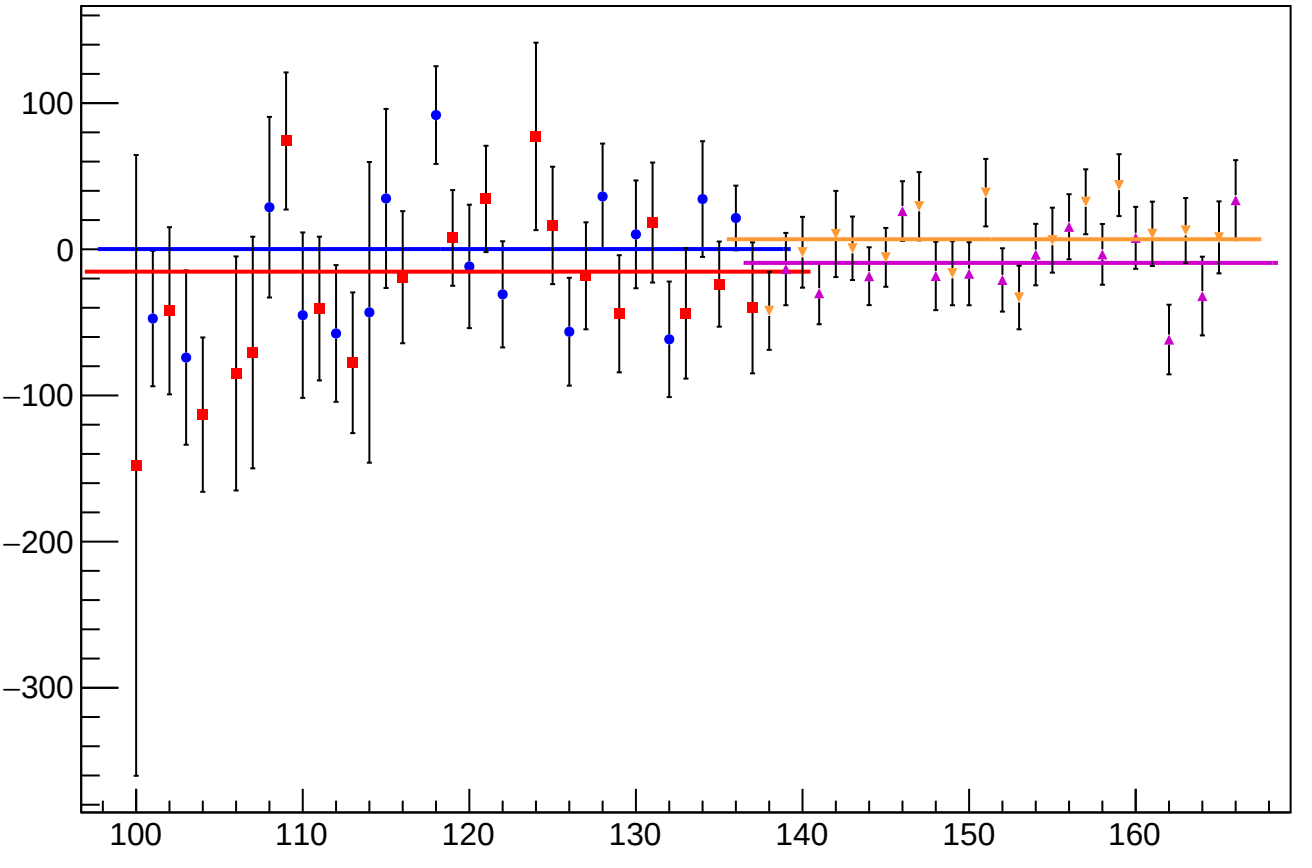
Left: 190.225+/-0.028 χ^2/NDF: 1617098.4/28

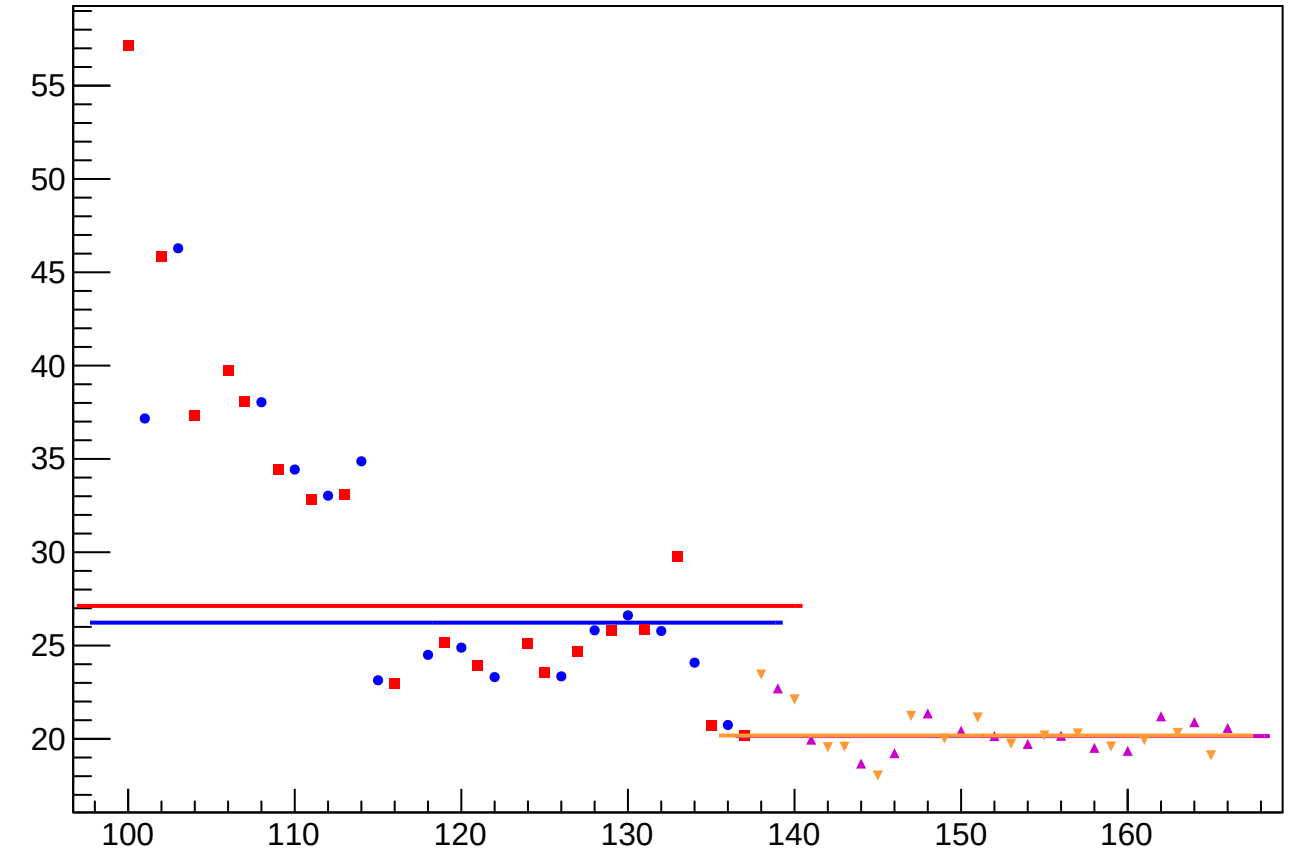
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 212.268+/-0.037 χ^2/NDF:4191713.8/29

Out: 217.088+/-0.037 χ^2/NDF:4448561.9/33

All: 214.649+/-0.026 χ^2/NDF: 8648688.1/63


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: 6.881+/-5.894 χ²/NDF:15.8/14
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -9.301+/-5.955 χ²/NDF:14.8/13
Left: -1.127+/-4.189 χ²/NDF: 34.4/28
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -6.842+/-5.123 χ²/NDF:36.8/29
Out: 1.386+/-5.112 χ²/NDF:37.2/33
All: -2.719+/-3.619 χ²/NDF: 75.3/63



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.004 χ^2/NDF:53760.5/13

Left: 20.165+/-0.003 χ^2/NDF: 135736.3/28

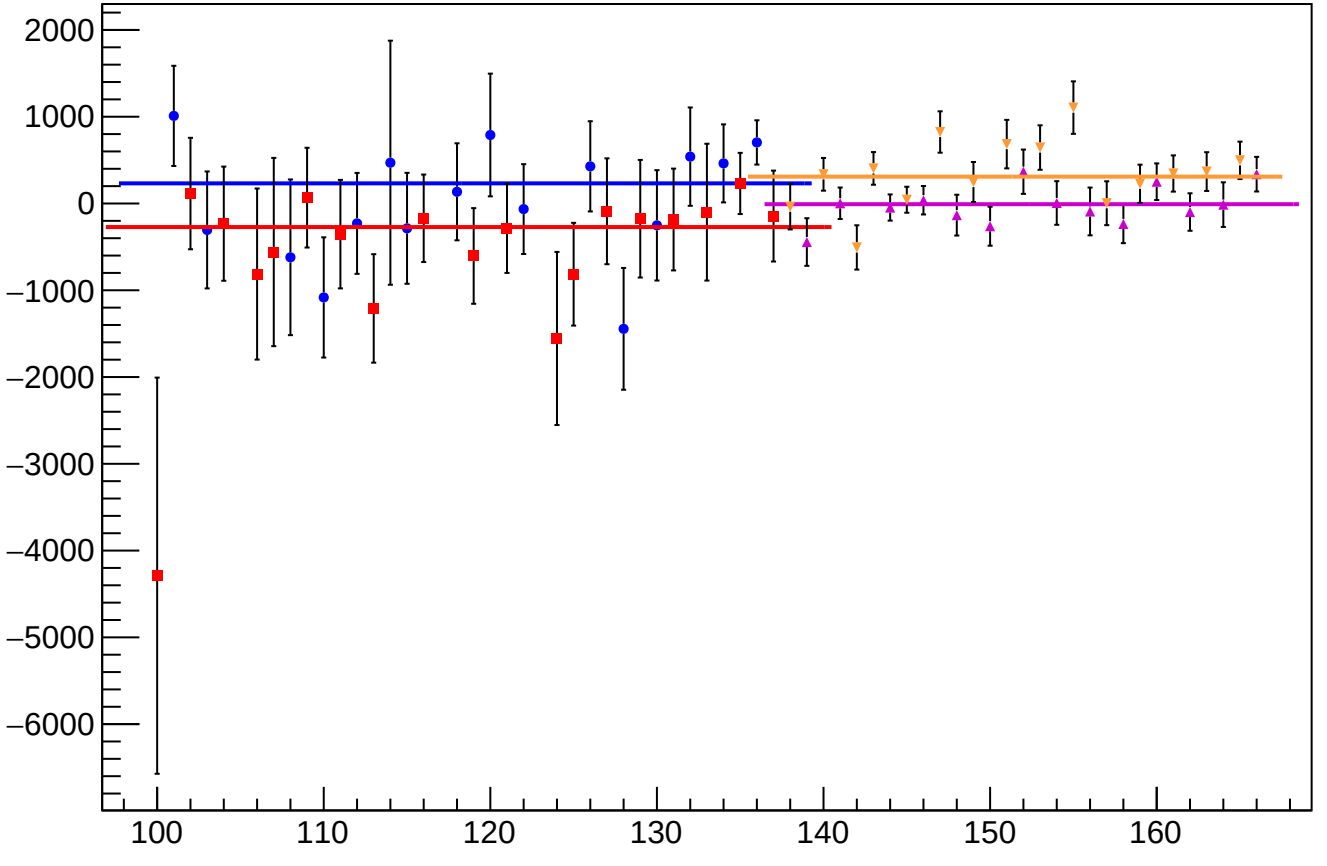
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.730+/-0.004 χ^2/NDF:1271263.1/29

Out: 21.901+/-0.004 χ^2/NDF:1515315.3/33

All: 21.816+/-0.003 χ^2/NDF: 2787704.3/63

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.644+/-57.077 χ^2/NDF:33.0/14

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -8.057+/-56.660 χ^2/NDF:12.2/13

Left: 149.629+/-40.211 χ^2/NDF: 60.8/28

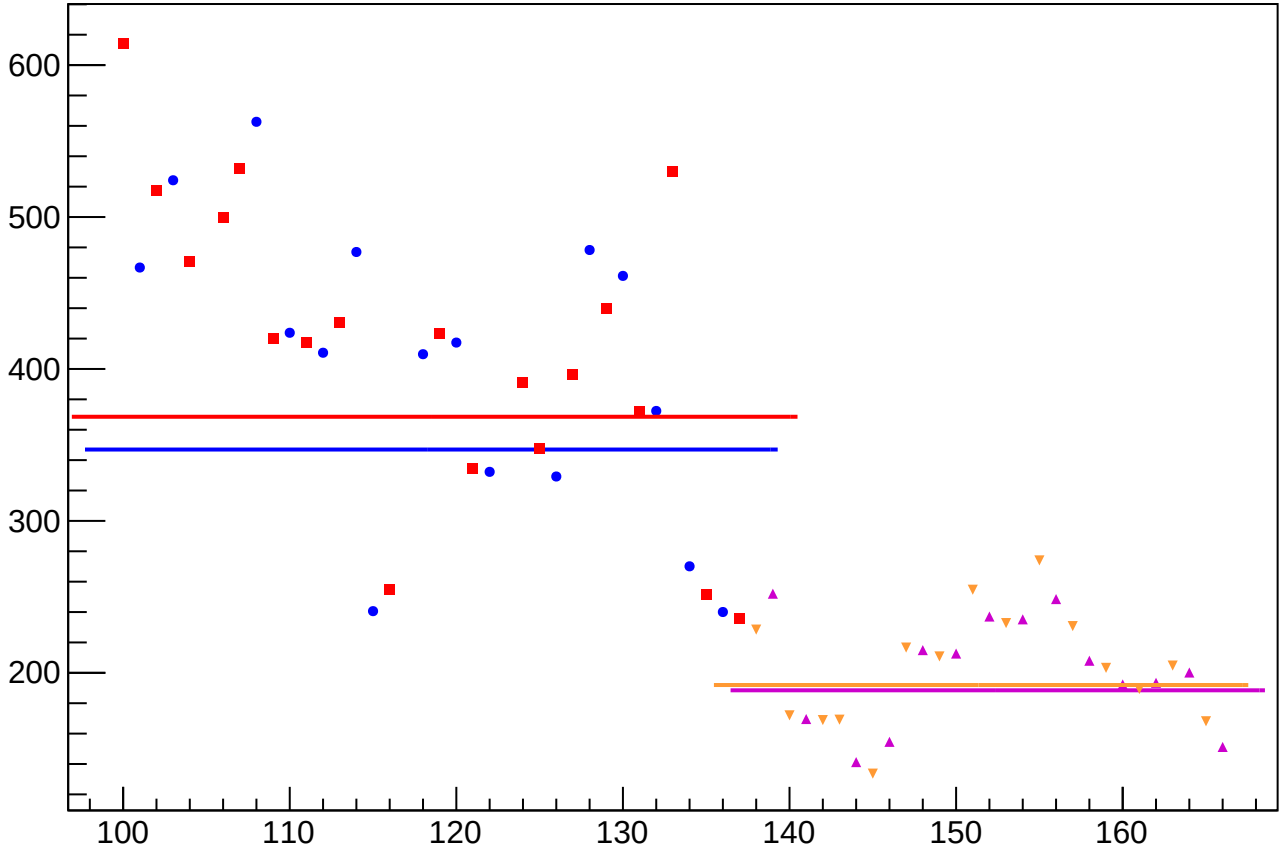
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 27.967+/-52.237 χ^2/NDF:34.6/29

Out: 227.016+/-52.863 χ^2/NDF:59.4/33

All: 126.307+/-37.156 χ^2/NDF: 101.1/63

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 188.495+/-0.040 χ^2/NDF:786611.3/13

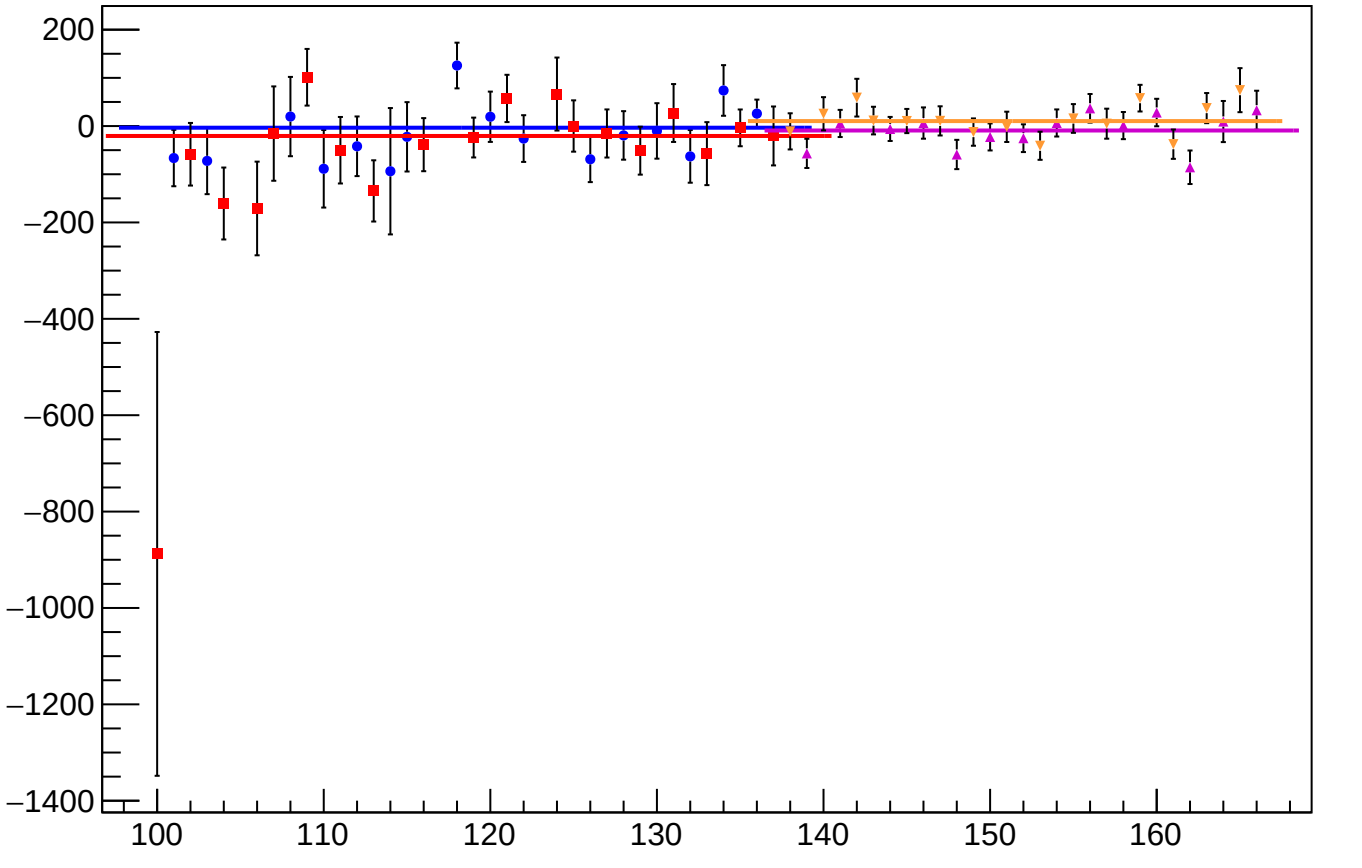
Left: 190.225+/-0.028 χ^2/NDF: 1617098.4/28

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 212.268+/-0.037 χ^2/NDF:4191713.8/29

Out: 217.088+/-0.037 χ^2/NDF:4448561.9/33

All: 214.649+/-0.026 χ^2/NDF: 8648688.1/63



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -9.215+/-8.073 χ^2/NDF:16.8/13

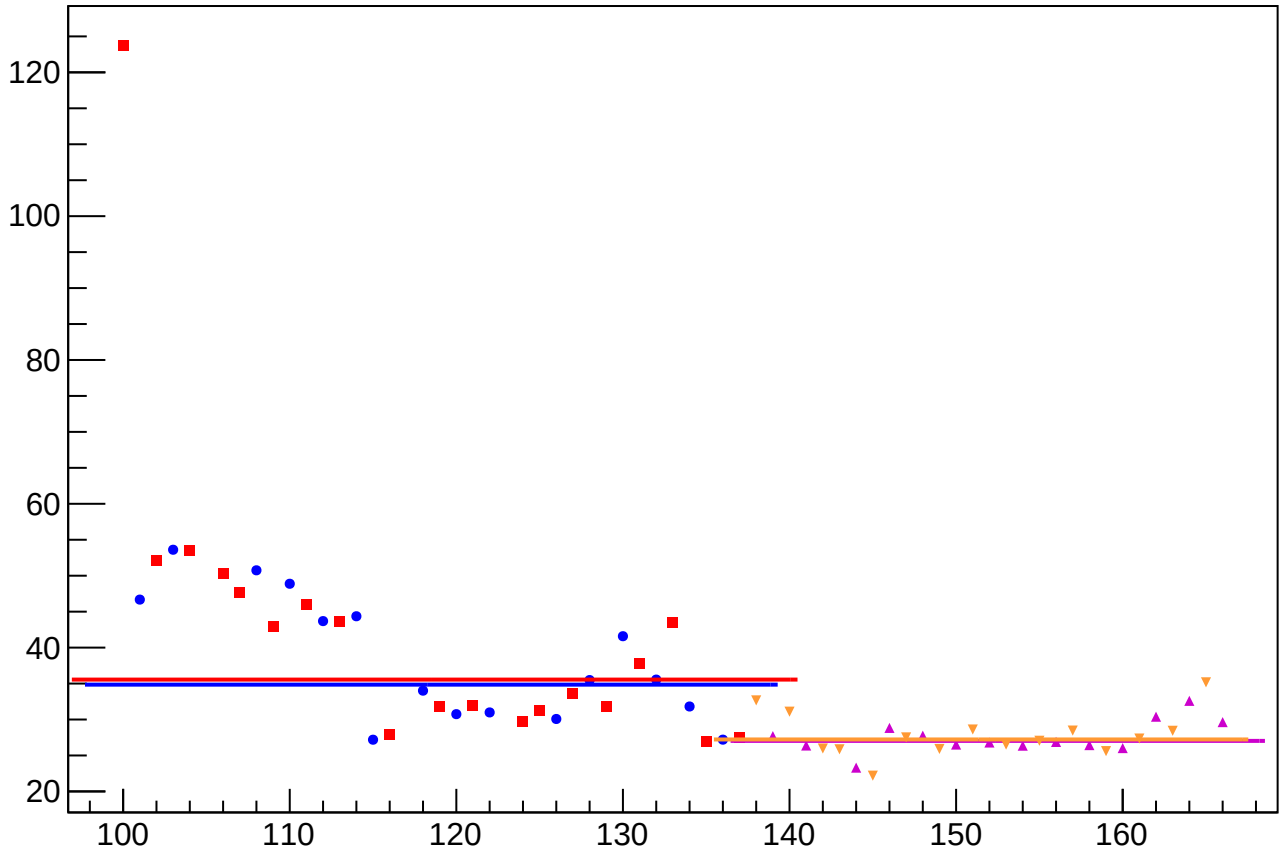
Left: 0.621+/-5.688 χ^2/NDF: 33.9/28

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.672+/-6.914 χ^2/NDF:35.4/29

Out: 2.244+/-6.888 χ^2/NDF:41.2/33

All: -2.695+/-4.880 χ^2/NDF: 77.6/63



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237279.0/14

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 27.028+/-0.006 χ^2/NDF:120186.5/13

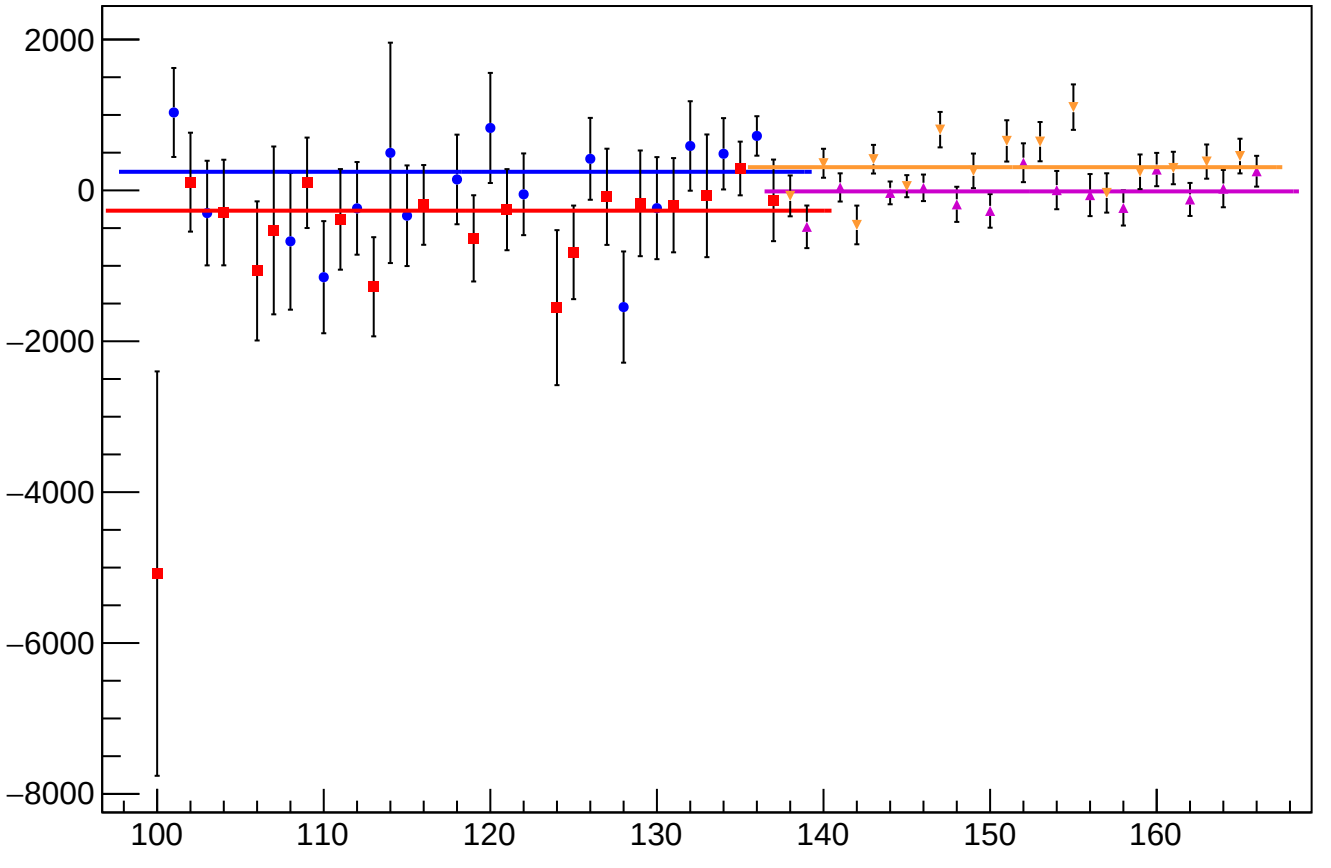
Left: 27.128+/-0.004 χ^2/NDF: 358073.6/28

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.113+/-0.005 χ^2/NDF:1278818.4/29

Out: 29.402+/-0.005 χ^2/NDF:1581311.2/33

All: 29.258+/-0.003 χ^2/NDF: 2861887.1/63



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 307.821+/-57.701 χ^2/NDF:31.4/14

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -13.371+/-57.791 χ^2/NDF:11.6/13

Left: 147.474+/-40.832 χ^2/NDF: 58.4/28

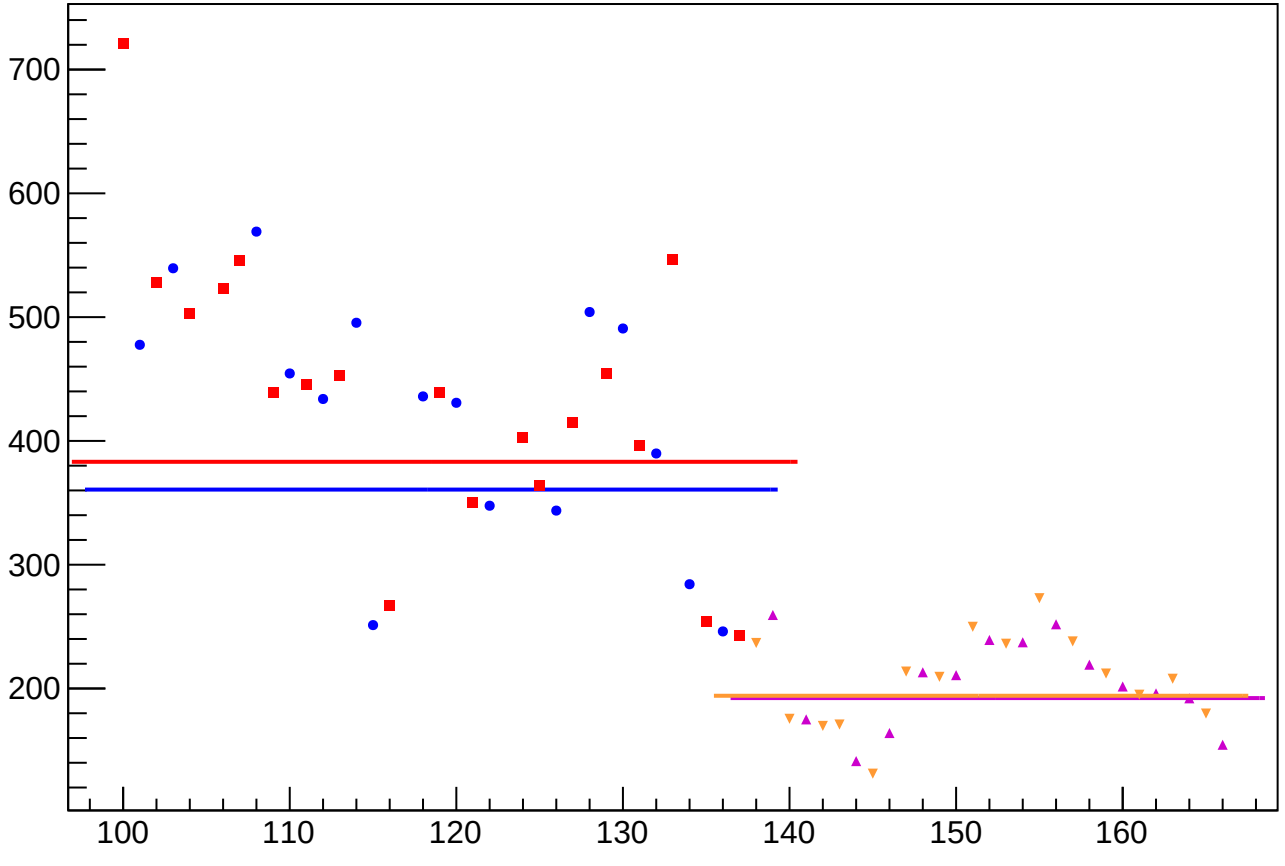
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 24.337+/-53.434 χ^2/NDF:34.3/29

Out: 229.254+/-53.627 χ^2/NDF:57.6/33

All: 126.426+/-37.851 χ^2/NDF: 99.2/63

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 194.136+/-0.041 χ^2/NDF:865013.7/14

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 192.259+/-0.041 χ^2/NDF:758846.5/13

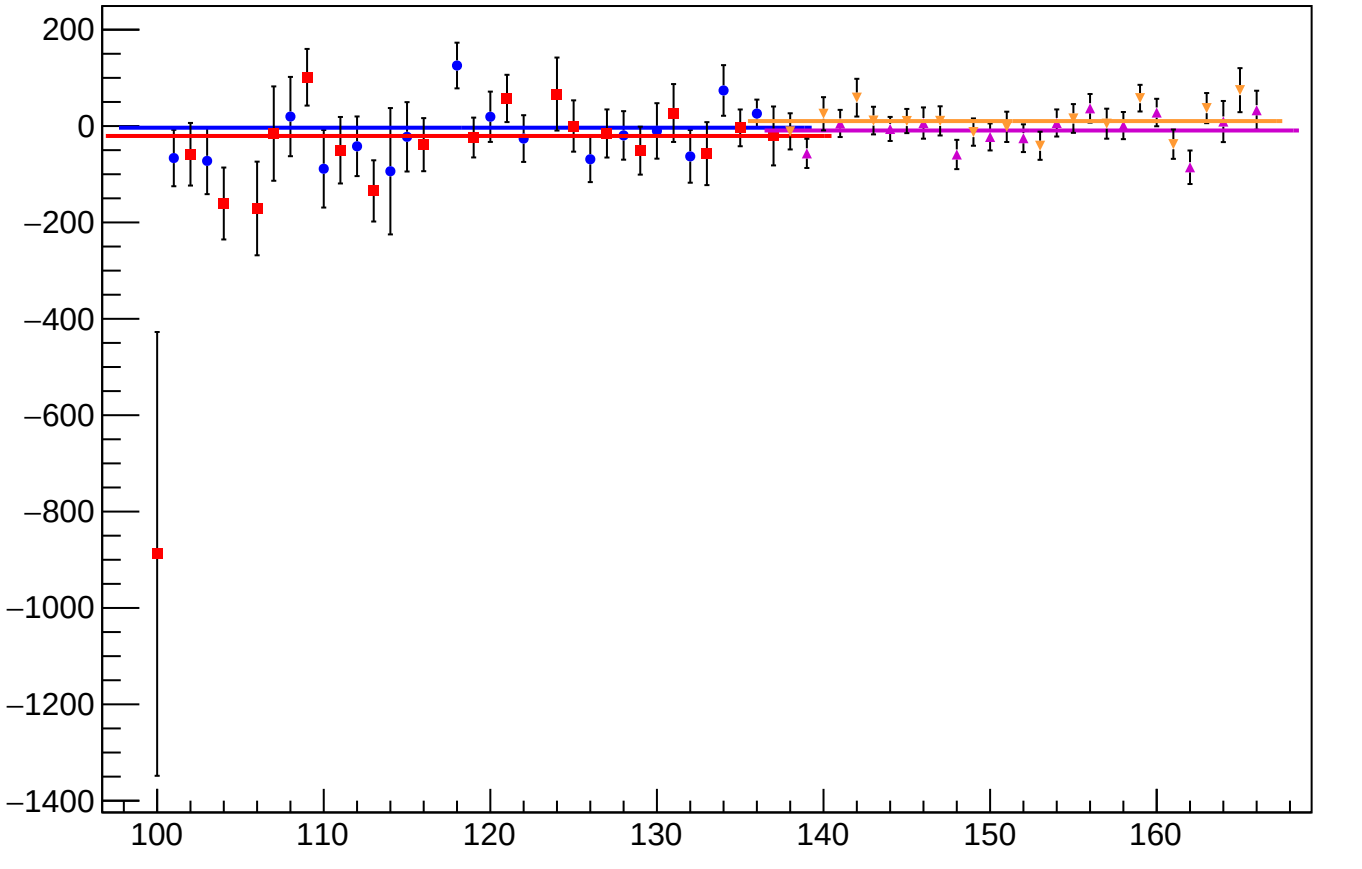
Left: 193.199+/-0.029 χ^2/NDF: 1624916.6/28

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 216.699+/-0.038 χ^2/NDF:4316751.8/29

Out: 219.882+/-0.038 χ^2/NDF:4751152.7/33

All: 218.285+/-0.027 χ^2/NDF: 9071441.1/63



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -9.215+/-8.073 χ^2/NDF:16.8/13

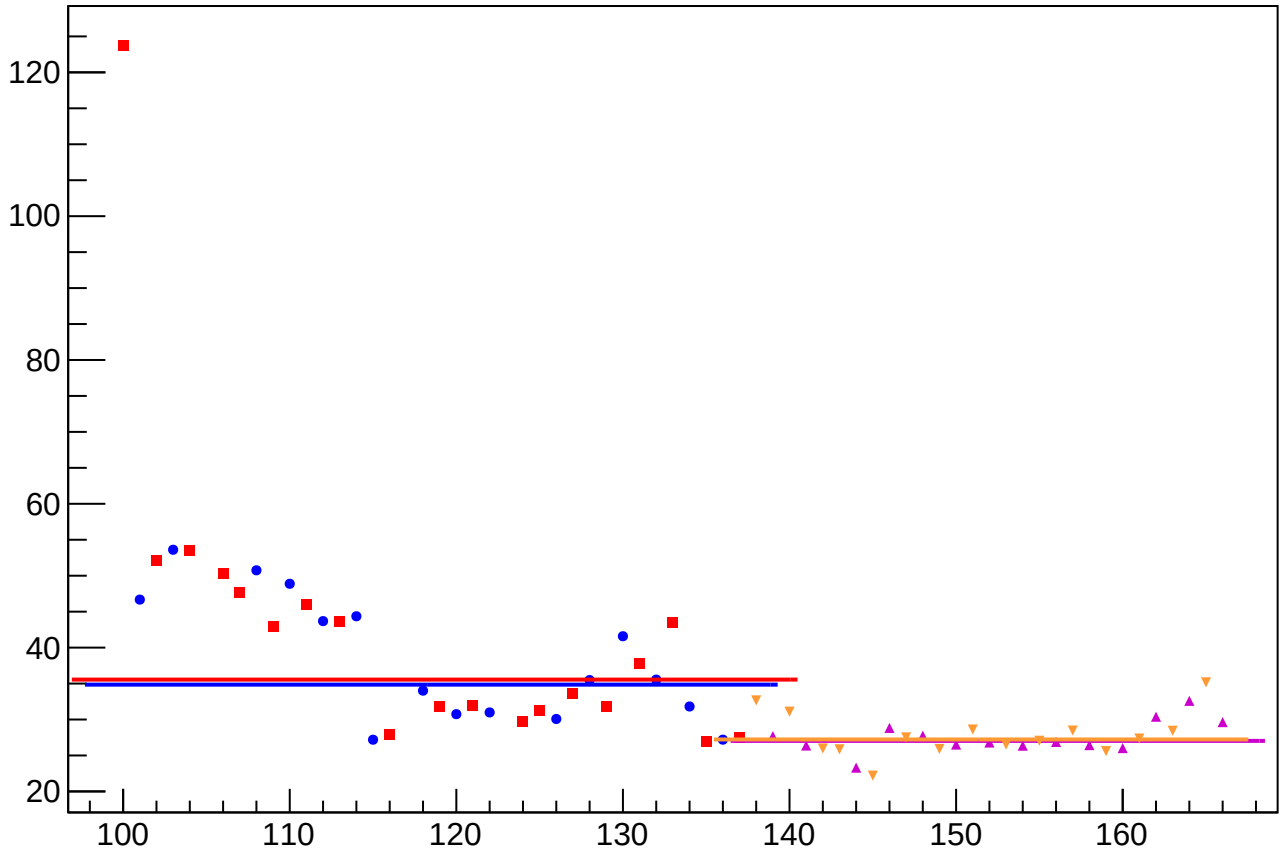
Left: 0.621+/-5.688 χ^2/NDF: 33.9/28

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.672+/-6.914 χ^2/NDF:35.4/29

Out: 2.244+/-6.888 χ^2/NDF:41.2/33

All: -2.695+/-4.880 χ^2/NDF: 77.6/63



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237268.8/14

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 27.028+/-0.006 χ^2/NDF:120187.3/13

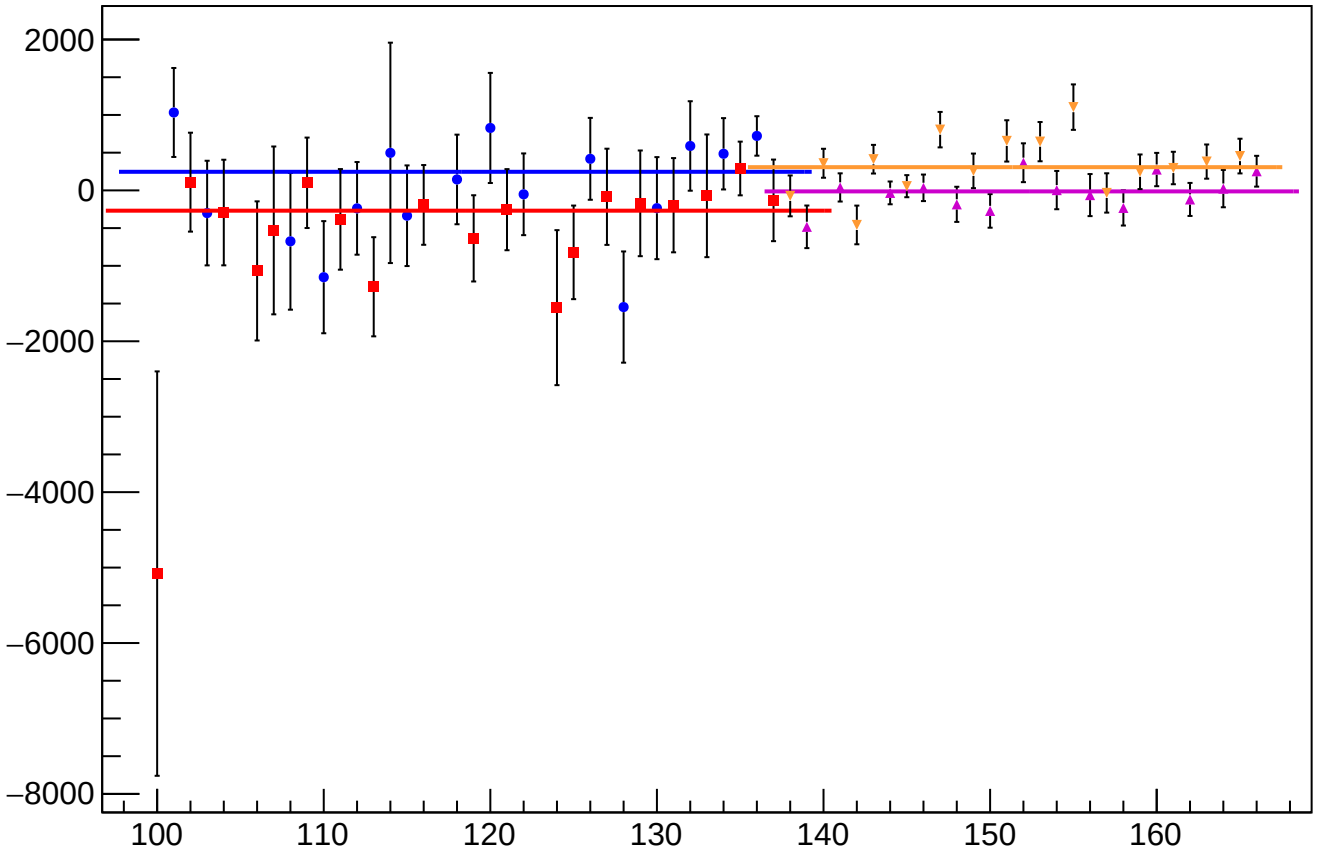
Left: 27.128+/-0.004 χ^2/NDF: 358064.4/28

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.113+/-0.005 χ^2/NDF:1278707.5/29

Out: 29.402+/-0.005 χ^2/NDF:1581212.9/33

All: 29.258+/-0.003 χ^2/NDF: 2861678.5/63



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 307.820+/-57.701 χ^2/NDF:31.4/14

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -13.371+/-57.790 χ^2/NDF:11.6/13

Left: 147.474+/-40.832 χ^2/NDF: 58.4/28

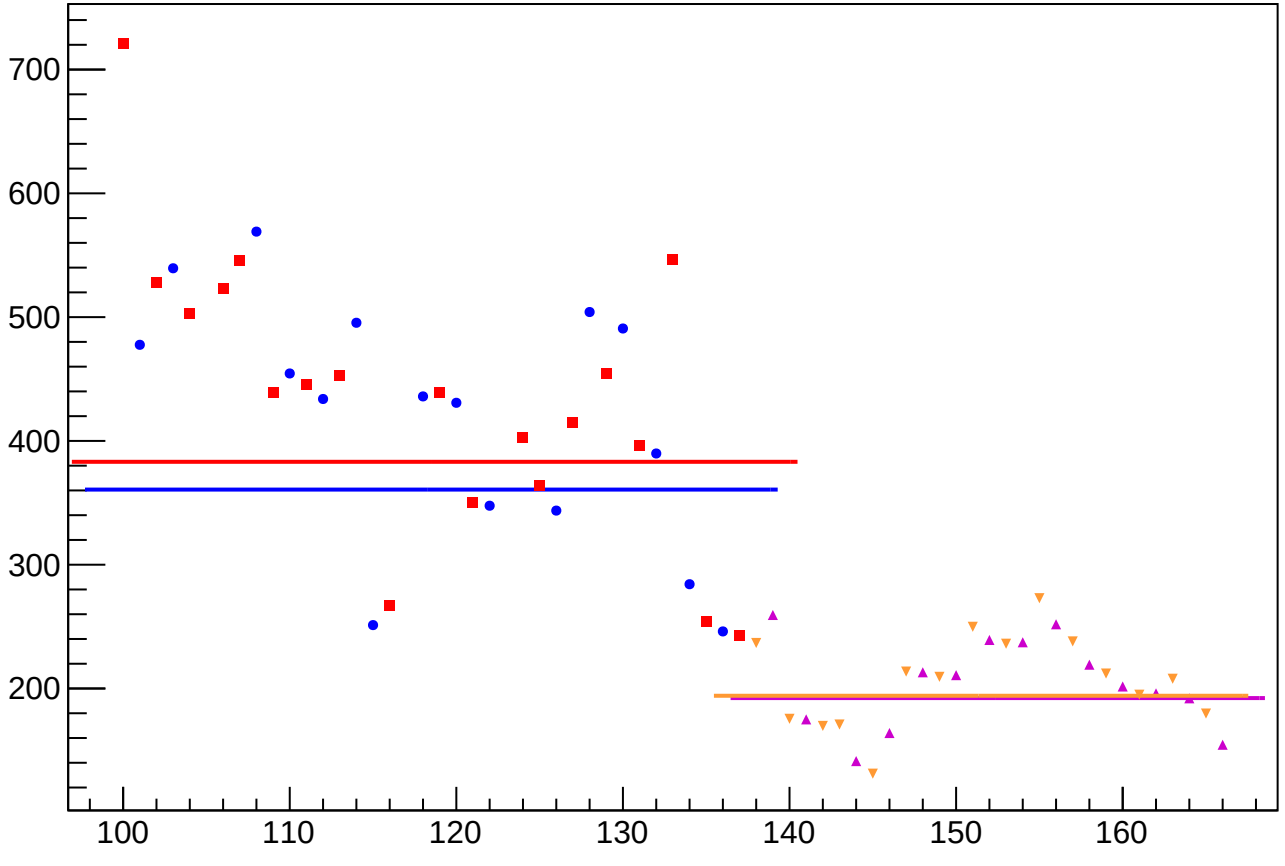
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 24.337+/-53.433 χ^2/NDF:34.3/29

Out: 229.253+/-53.627 χ^2/NDF:57.6/33

All: 126.425+/-37.851 χ^2/NDF: 99.2/63

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 194.135+/-0.041 χ^2/NDF:865032.1/14

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 192.258+/-0.041 χ^2/NDF:758852.0/13

Left: 193.198+/-0.029 χ^2/NDF: 1624940.4/28

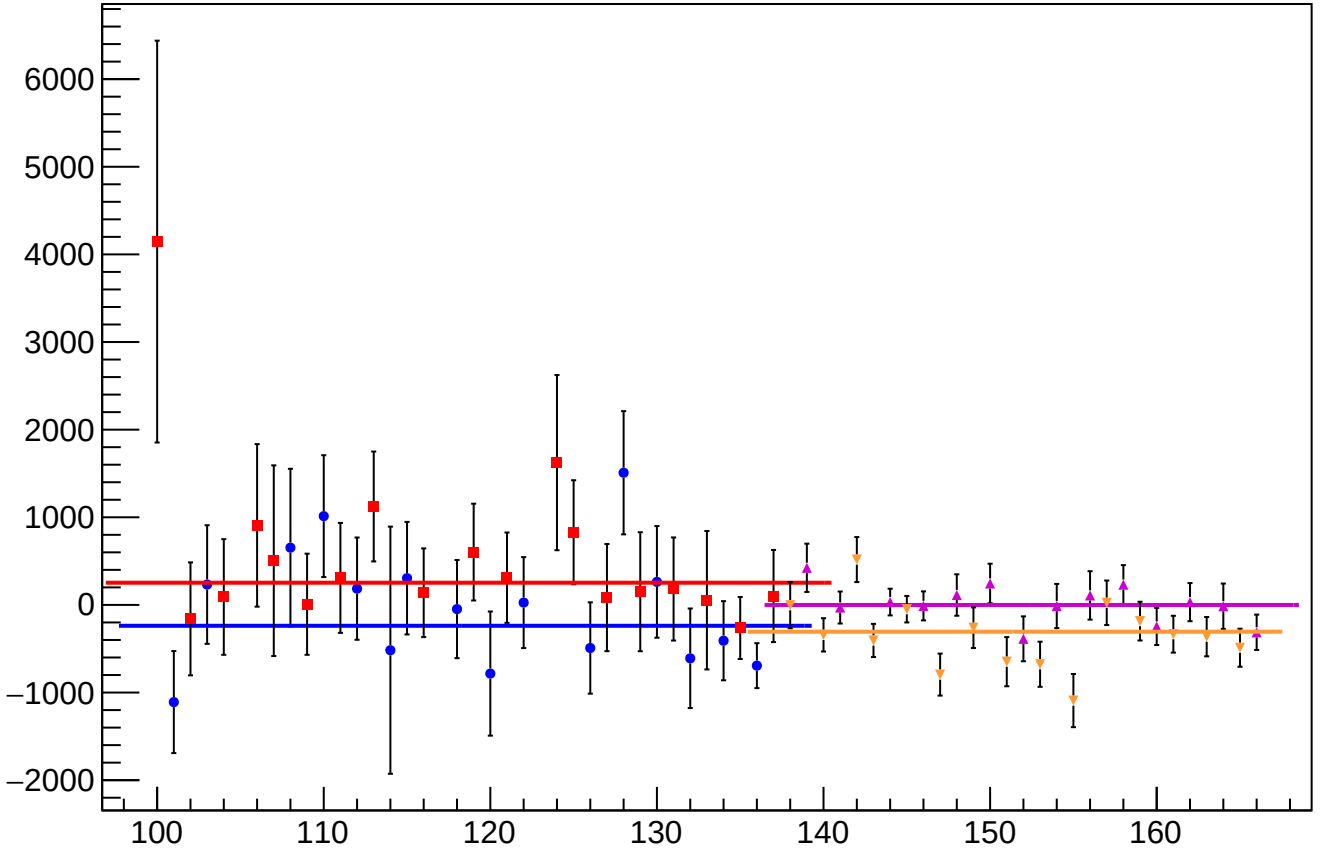
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 216.698+/-0.038 χ^2/NDF:4316747.1/29

Out: 219.882+/-0.038 χ^2/NDF:4751168.0/33

All: 218.284+/-0.027 χ^2/NDF: 9071451.5/63

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -305.512+/-57.422 χ^2/NDF:32.1/14

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: -0.616+/-57.020 χ^2/NDF:11.1/13

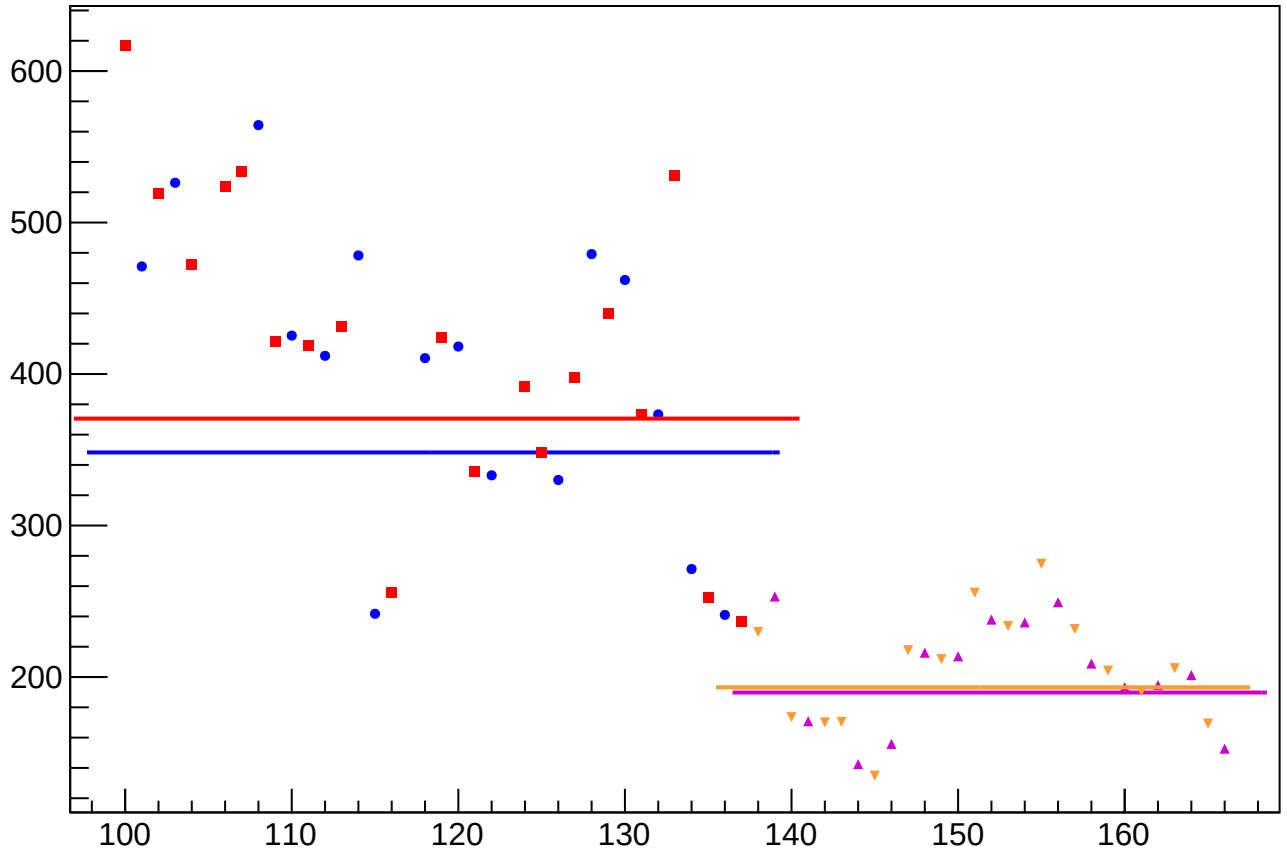
Left: -151.991+/-40.461 χ^2/NDF: 57.4/28

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -36.402+/-52.547 χ^2/NDF:33.7/29

Out: -225.426+/-53.150 χ^2/NDF:57.3/33

All: -129.836+/-37.368 χ^2/NDF: 97.4/63



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.219+/-0.041 χ^2/NDF:811077.7/14

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 189.772+/-0.040 χ^2/NDF:769947.9/13

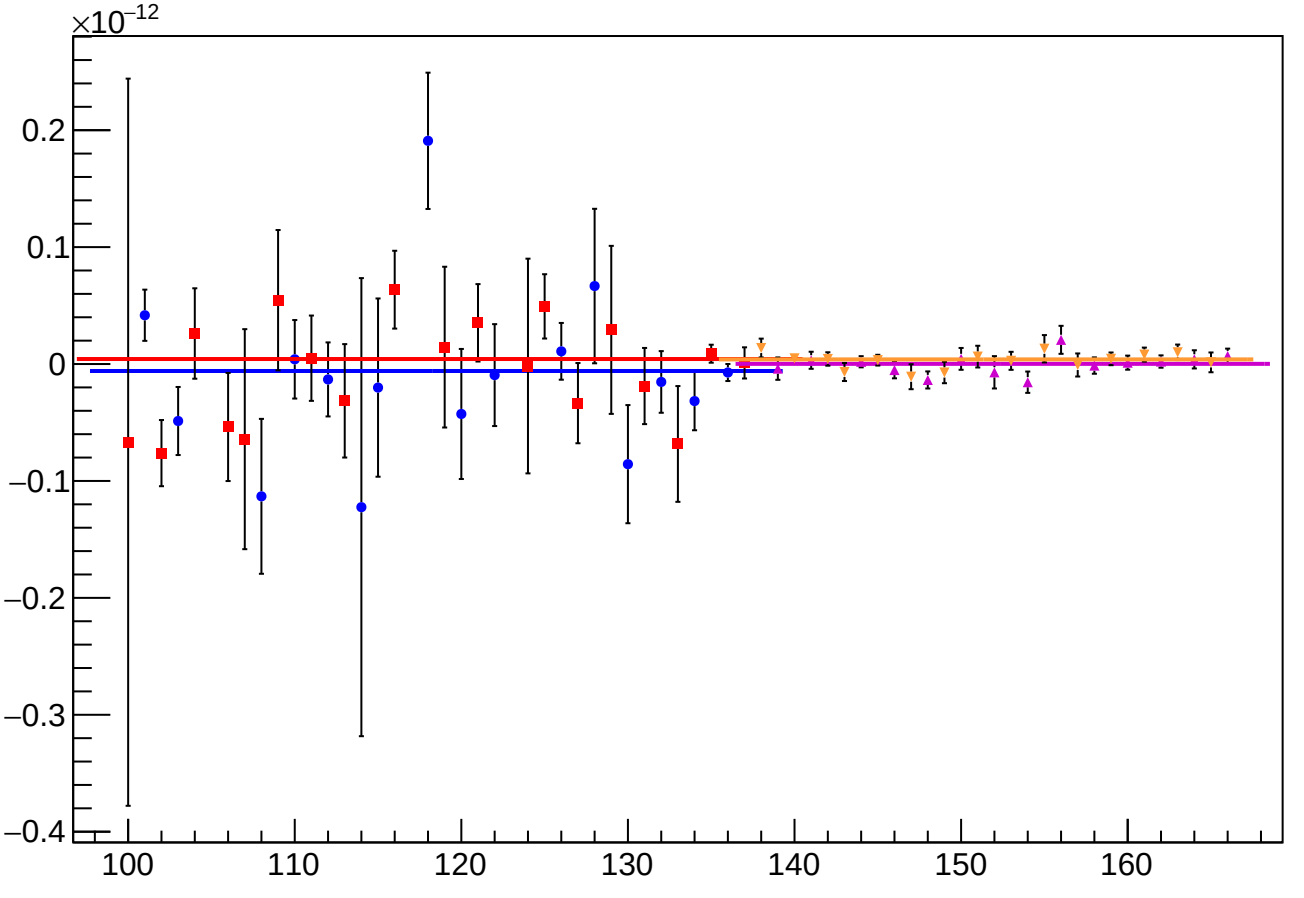
Left: 191.483+/-0.029 χ^2/NDF: 1584655.6/28

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 213.659+/-0.037 χ^2/NDF:4155516.6/29

Out: 218.632+/-0.038 χ^2/NDF:4462943.7/33

All: 216.117+/-0.026 χ^2/NDF: 8627315.3/63



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/13

Left: 0.000+/-0.000 χ^2/NDF: 24.0/28

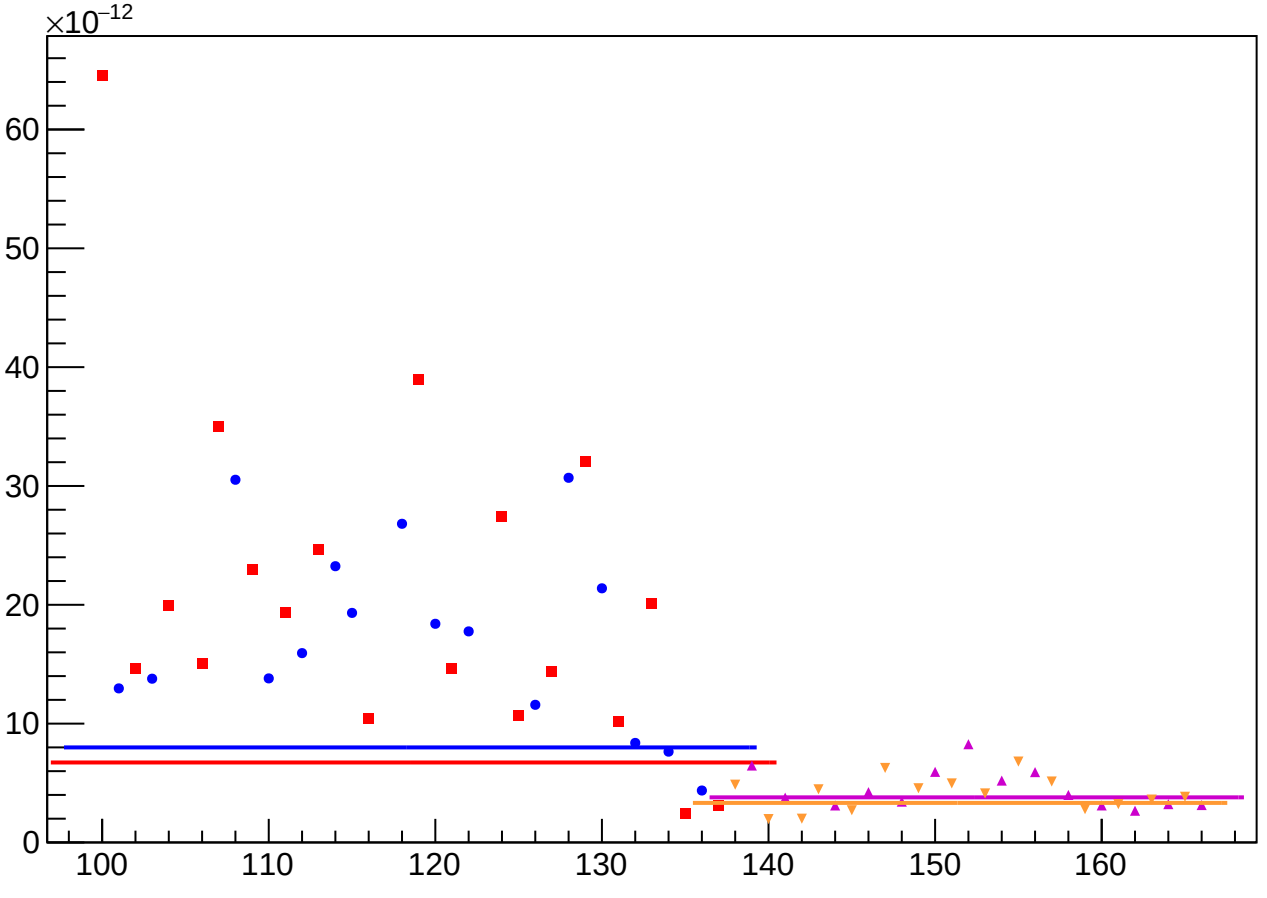
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:40.9/29

Out: 0.000+/-0.000 χ^2/NDF:32.2/33

All: 0.000+/-0.000 χ^2/NDF: 76.4/63

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1031679.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:784931.4/13

Left: 0.000+/-0.000 χ^2/NDF: 1882384.9/28

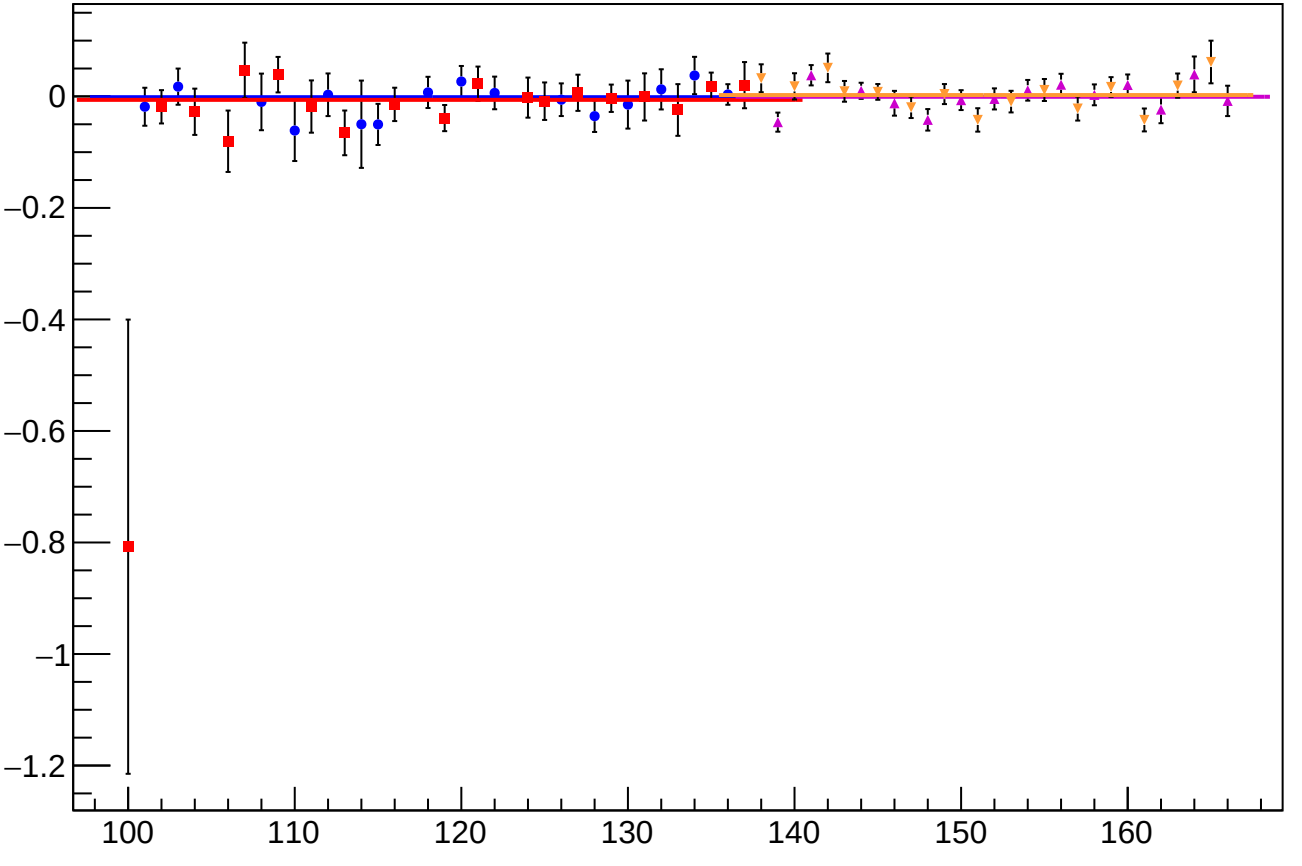
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3715355.5/29

Out: 0.000+/-0.000 χ^2/NDF:5094677.0/33

All: 0.000+/-0.000 χ^2/NDF: 8927918.1/63

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.001+/-0.004 χ^2/NDF: 44.7/28

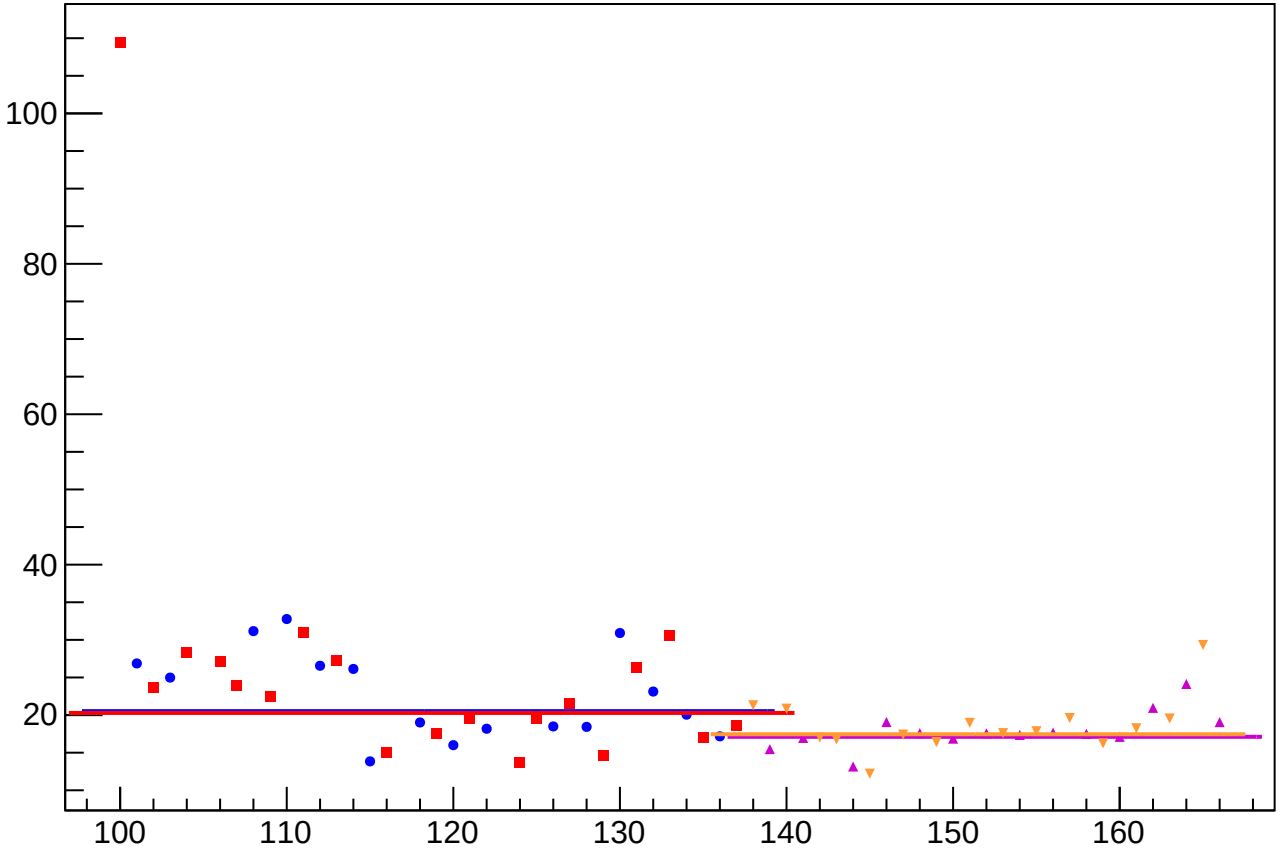
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.001+/-0.003 χ^2/NDF: 69.8/63

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.450+/-0.004 χ^2/NDF:630497.9/14

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.111+/-0.004 χ^2/NDF:345917.2/13

Left: 17.280+/-0.003 χ^2/NDF: 980647.8/28

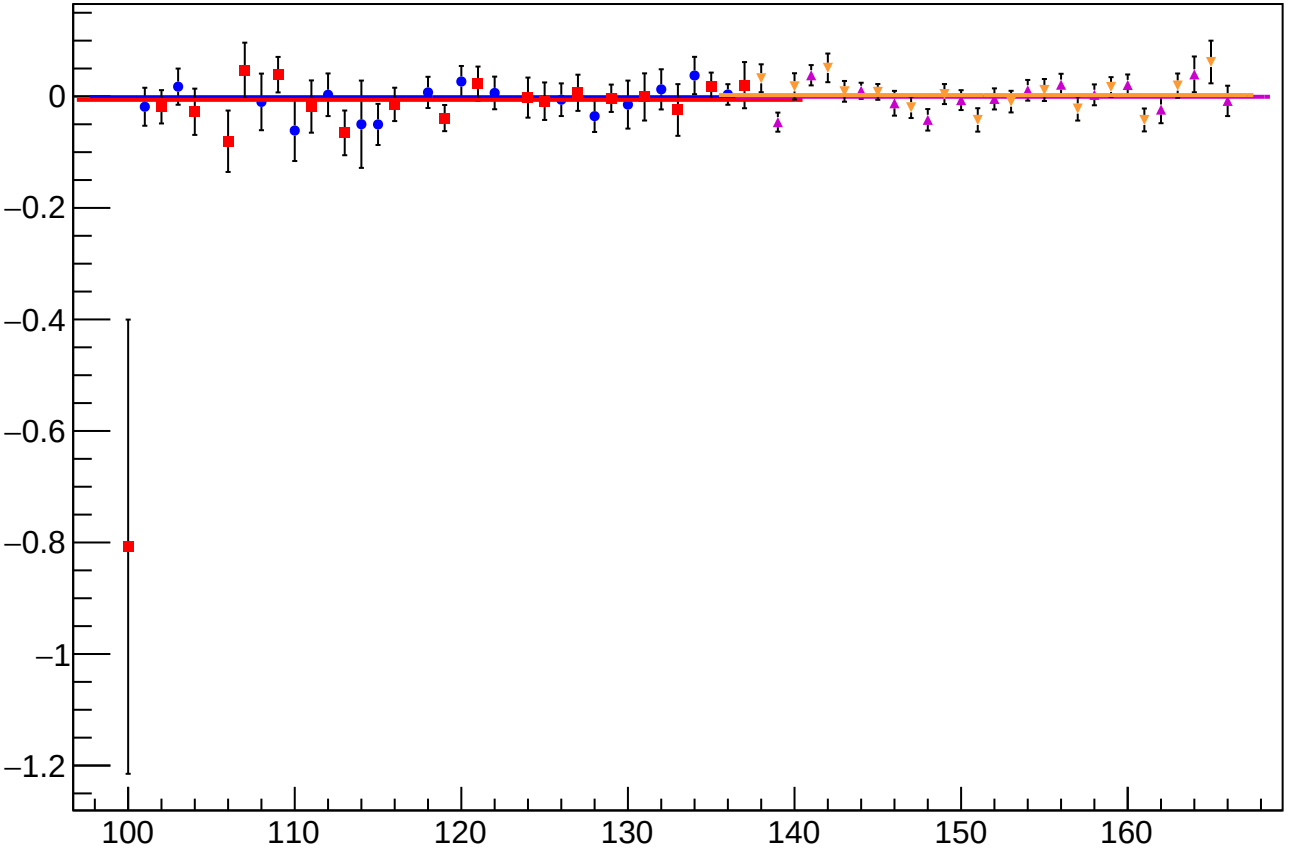
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.111+/-0.003 χ^2/NDF:1304976.7/29

Out: 18.313+/-0.003 χ^2/NDF:1674221.8/33

All: 18.212+/-0.002 χ^2/NDF: 2981342.2/63

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.001+/-0.004 χ^2/NDF: 44.7/28

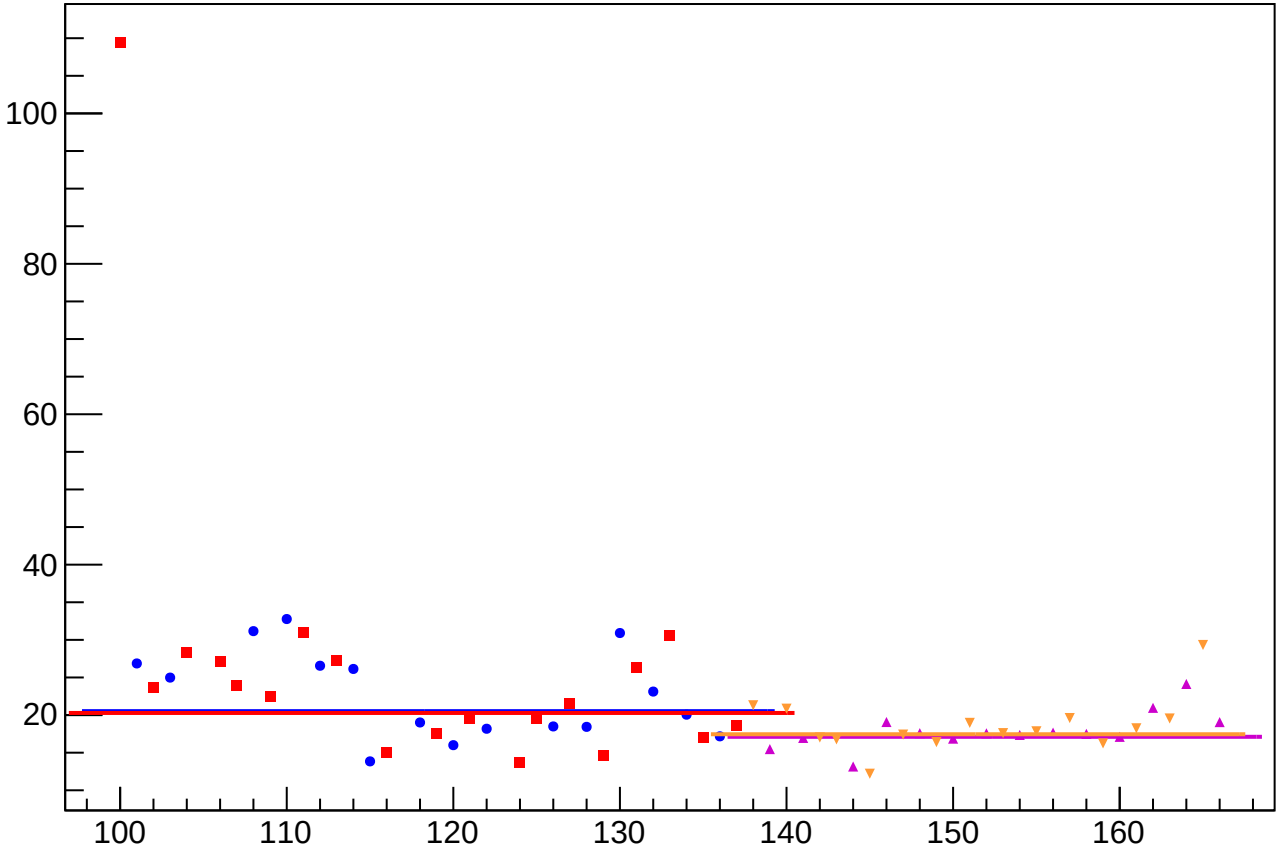
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.001+/-0.003 χ^2/NDF: 69.8/63

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.450+/-0.004 χ^2/NDF:630497.9/14

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.111+/-0.004 χ^2/NDF:345917.2/13

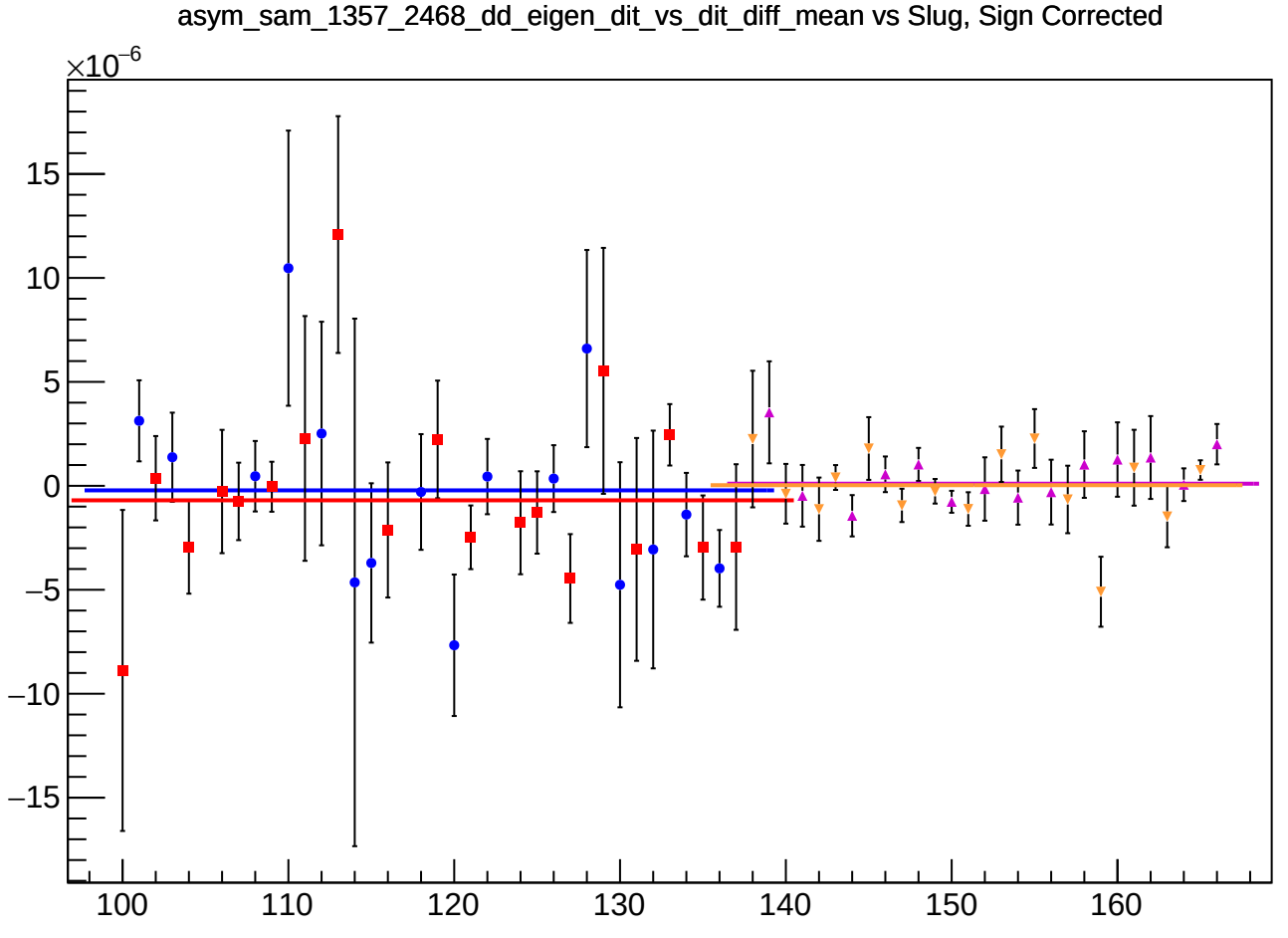
Left: 17.280+/-0.003 χ^2/NDF: 980647.8/28

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.111+/-0.003 χ^2/NDF:1304976.7/29

Out: 18.313+/-0.003 χ^2/NDF:1674221.8/33

All: 18.212+/-0.002 χ^2/NDF: 2981342.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/13

Left: 0.000+/-0.000 χ^2/NDF: 37.8/28

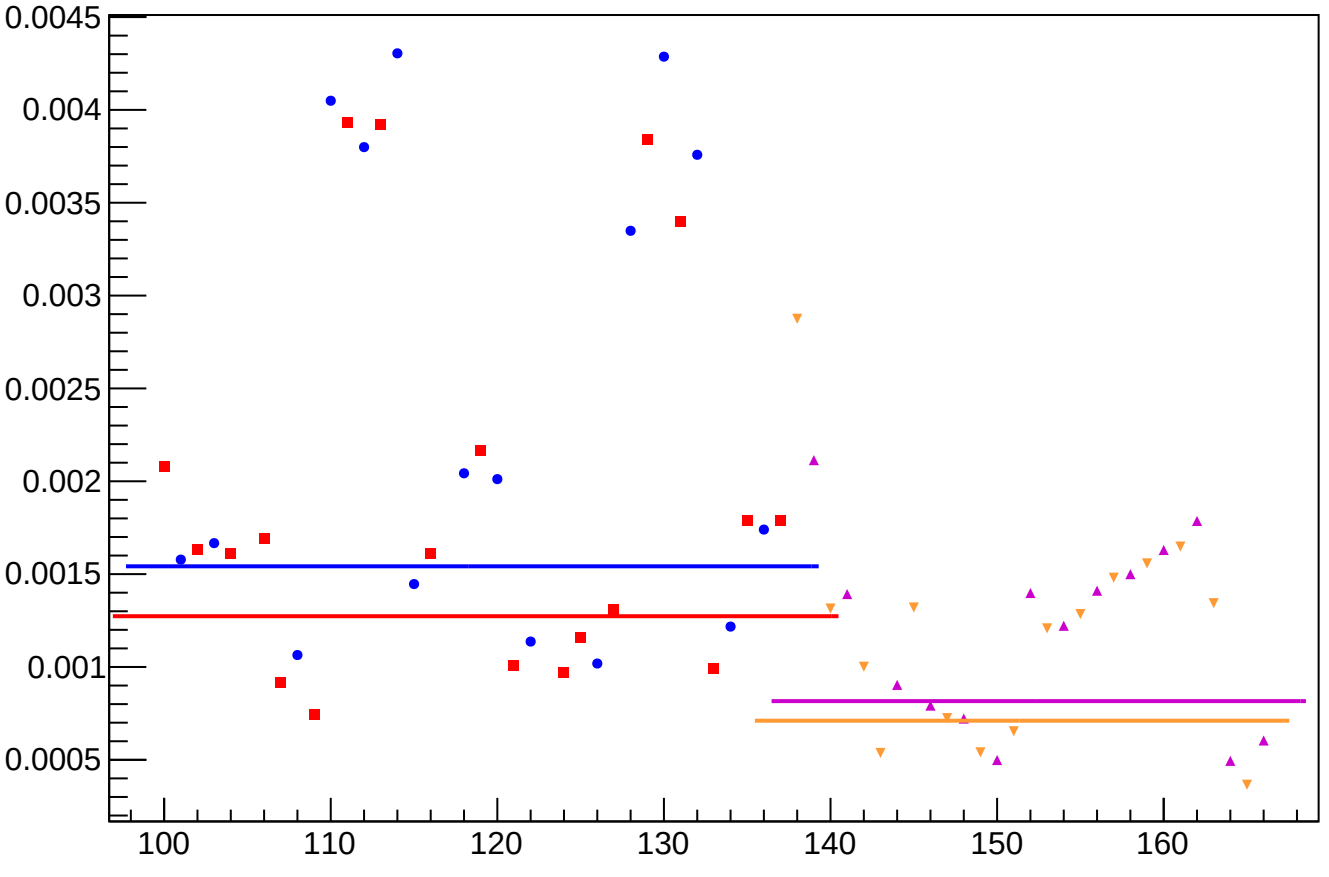
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:34.3/29

Out: -0.000+/-0.000 χ^2/NDF:46.1/33

All: -0.000+/-0.000 χ^2/NDF: 80.6/63

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5515001.8/14

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4090075.8/13

Left: 0.001+/-0.000 χ^2/NDF: 9771933.4/28

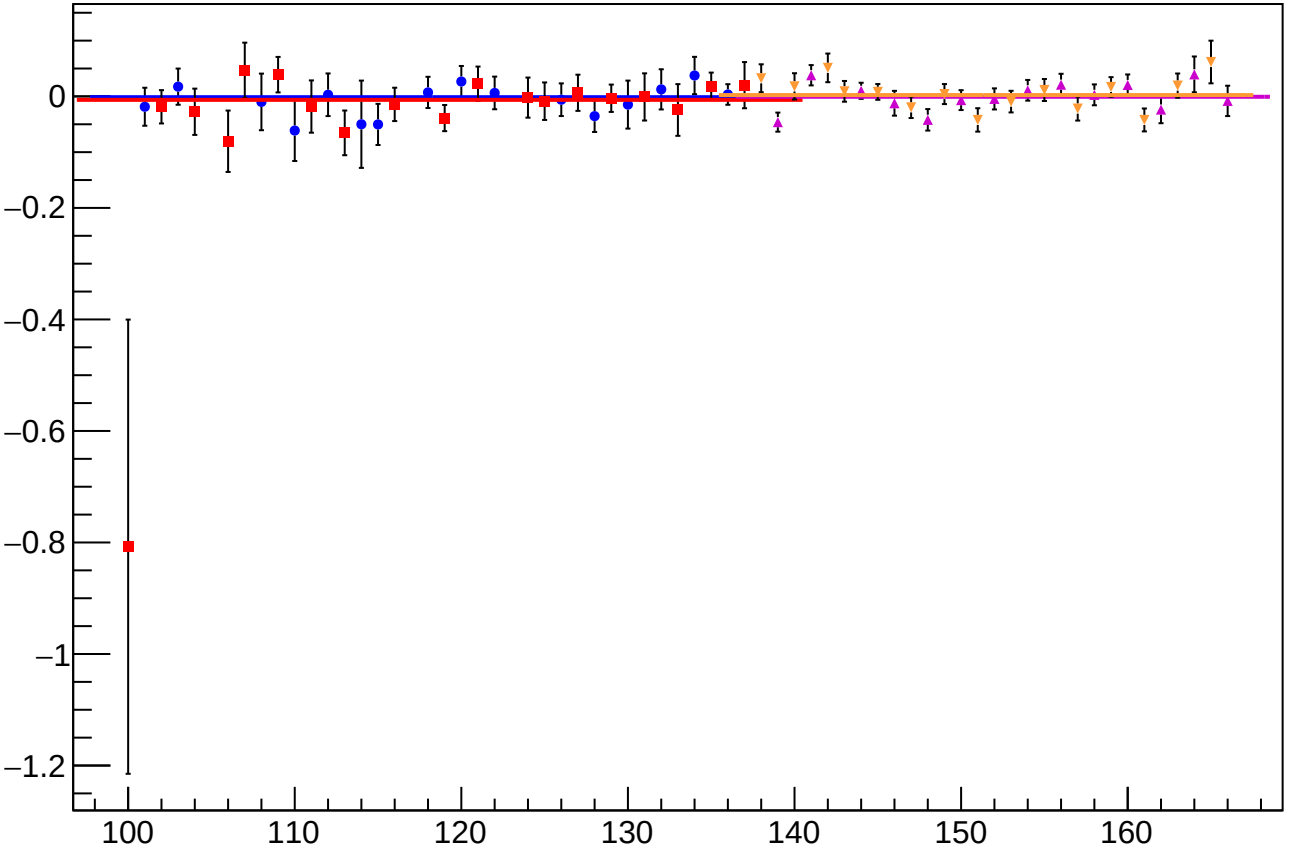
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:8733372.3/29

Out: 0.001+/-0.000 χ^2/NDF:10087397.8/33

All: 0.001+/-0.000 χ^2/NDF: 19096033.9/63

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.001+/-0.004 χ^2/NDF: 44.7/28

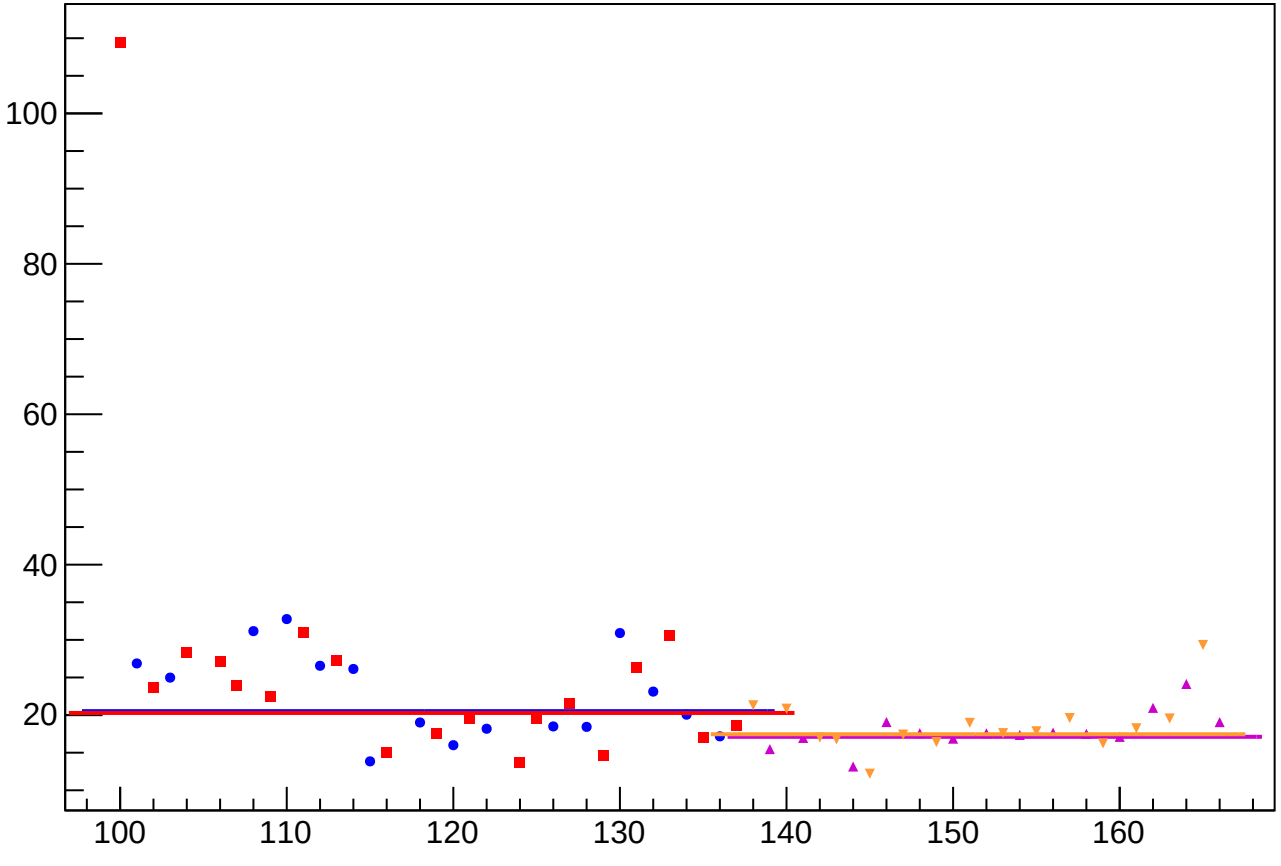
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.001+/-0.003 χ^2/NDF: 69.8/63

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.450+/-0.004 χ^2/NDF:630449.5/14

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.111+/-0.004 χ^2/NDF:345947.7/13

Left: 17.280+/-0.003 χ^2/NDF: 980632.8/28

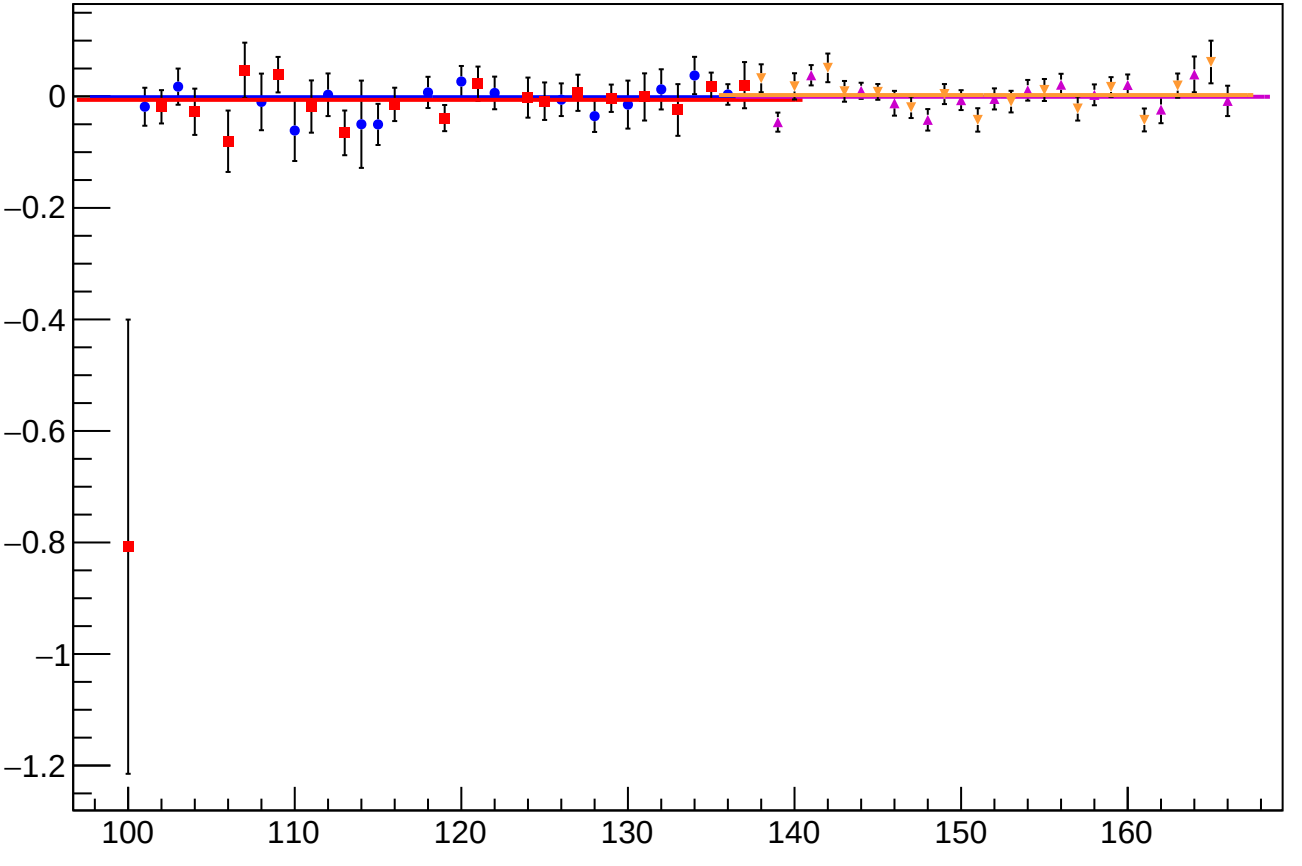
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.111+/-0.003 χ^2/NDF:1304798.6/29

Out: 18.313+/-0.003 χ^2/NDF:1674073.6/33

All: 18.212+/-0.002 χ^2/NDF: 2981016.8/63

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.005 χ^2/NDF:22.6/13

Left: 0.001+/-0.004 χ^2/NDF: 44.7/28

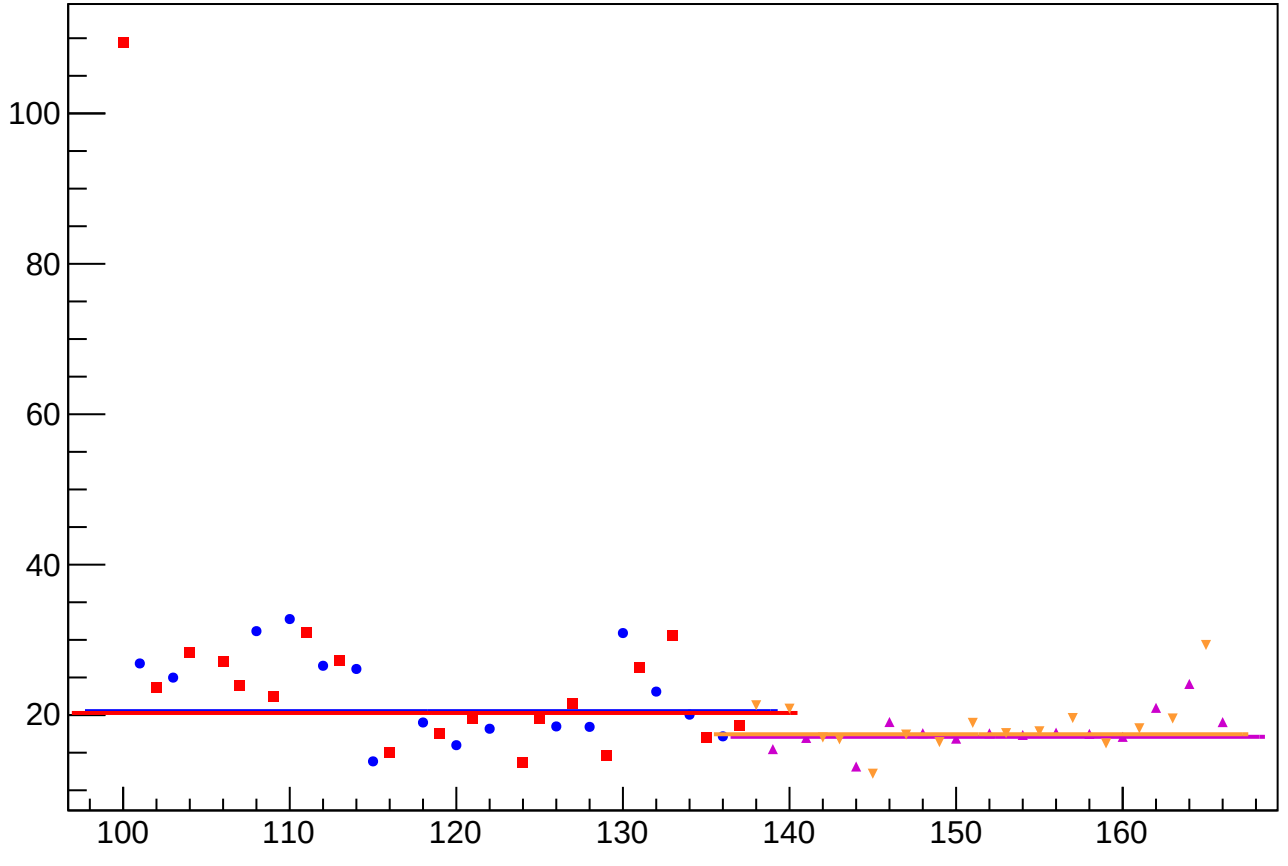
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.9/29

Out: -0.000+/-0.004 χ^2/NDF:38.9/33

All: -0.001+/-0.003 χ^2/NDF: 69.8/63

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.450+/-0.004 χ^2/NDF:630449.5/14

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.111+/-0.004 χ^2/NDF:345947.7/13

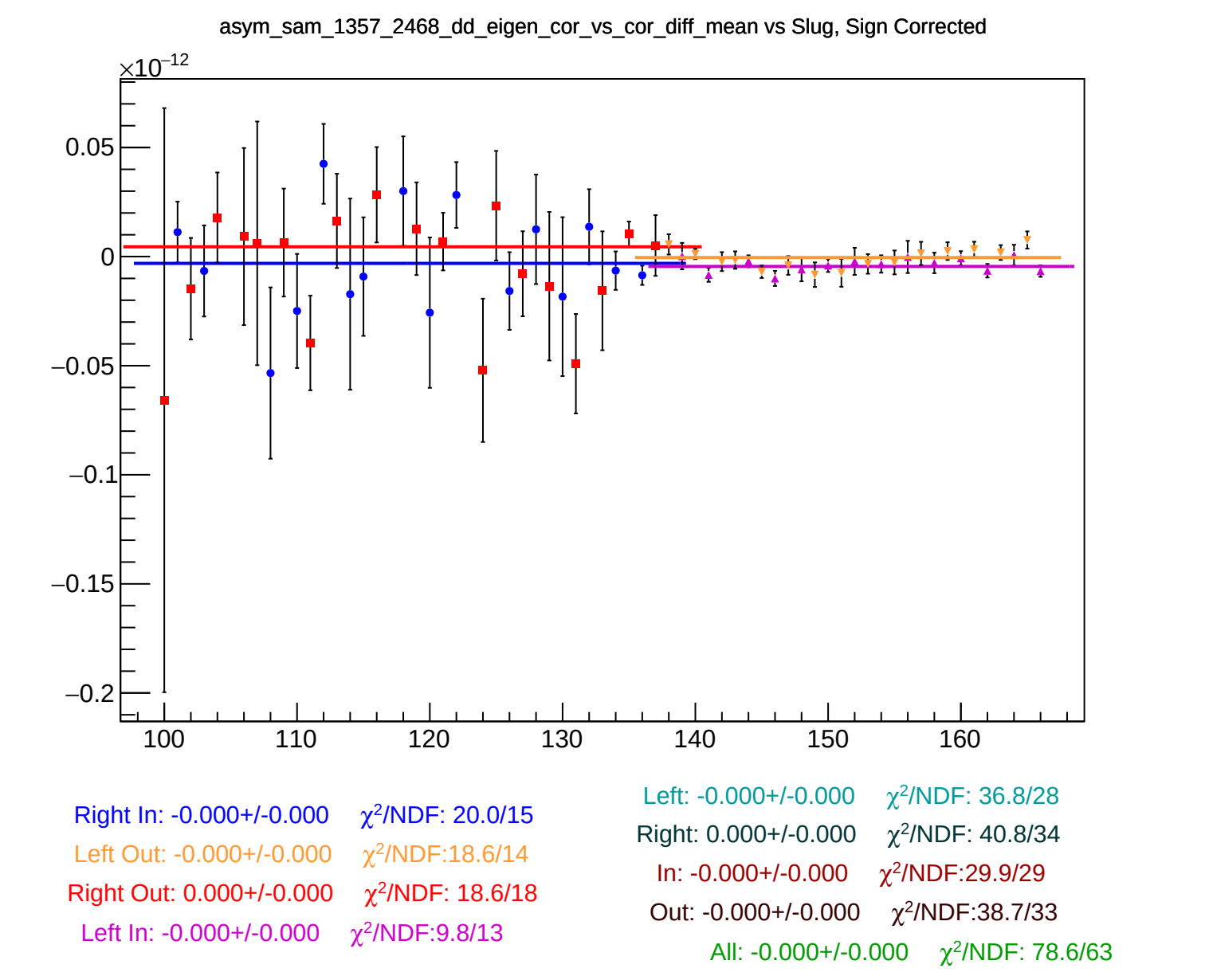
Left: 17.280+/-0.003 χ^2/NDF: 980632.8/28

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

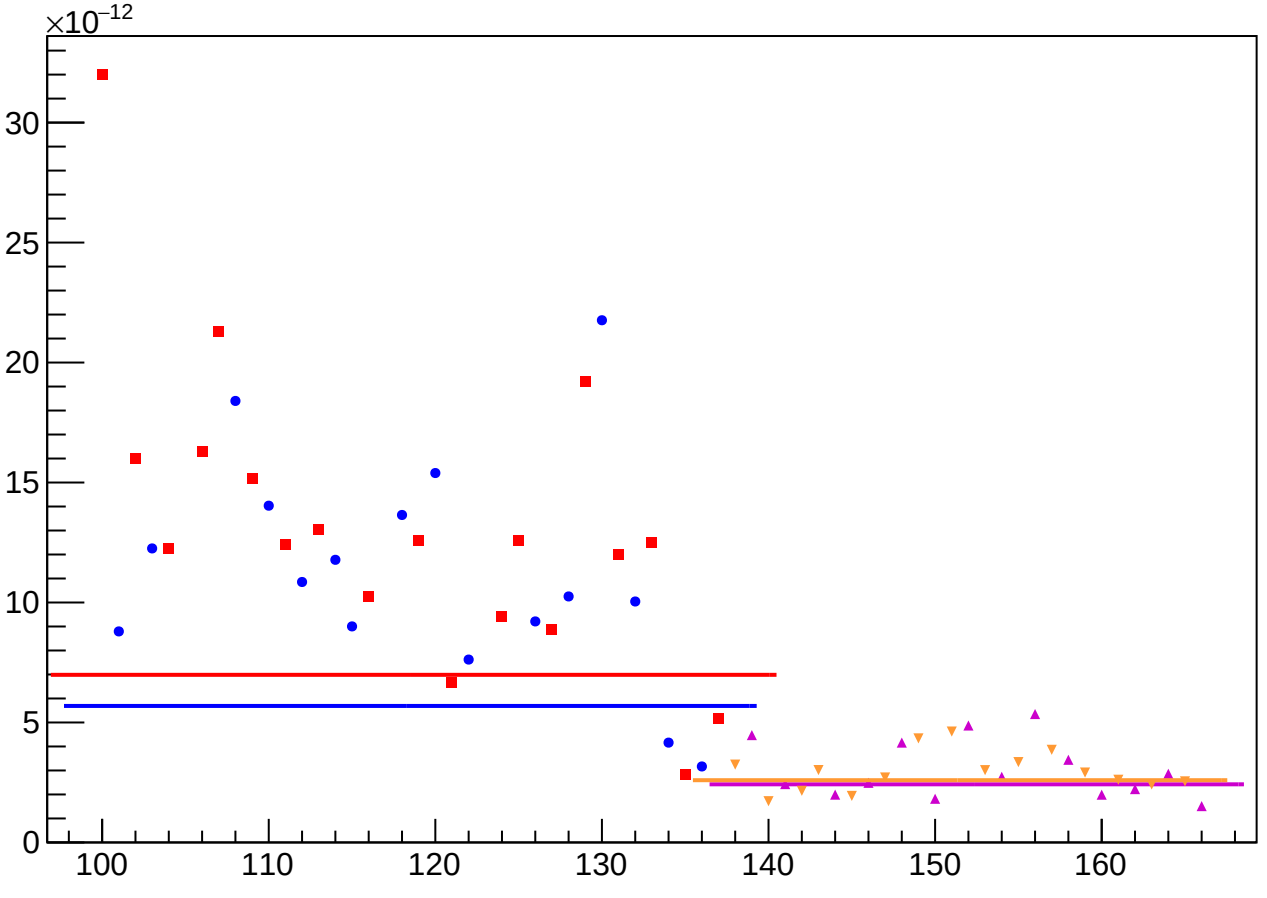
In: 18.111+/-0.003 χ^2/NDF:1304798.6/29

Out: 18.313+/-0.003 χ^2/NDF:1674073.6/33

All: 18.212+/-0.002 χ^2/NDF: 2981016.8/63


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/18
Left In: -0.000+/-0.000 χ²/NDF:9.8/13
Left: -0.000+/-0.000 χ²/NDF: 36.8/28
Right: 0.000+/-0.000 χ²/NDF: 40.8/34
In: -0.000+/-0.000 χ²/NDF:29.9/29
Out: -0.000+/-0.000 χ²/NDF:38.7/33
All: -0.000+/-0.000 χ²/NDF: 78.6/63

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1044972.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1599108.5/13

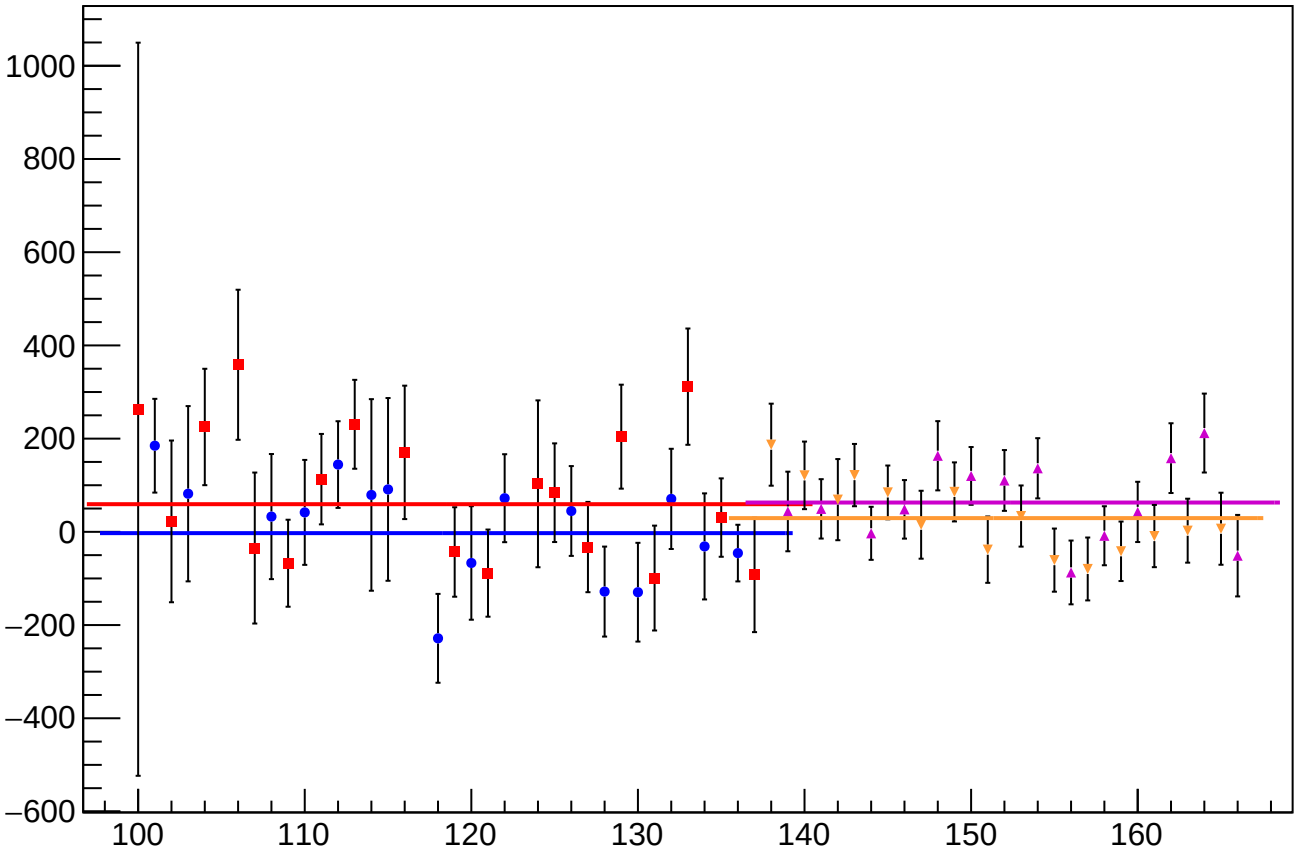
Left: 0.000+/-0.000 χ^2/NDF: 2673805.5/28

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6149404.4/29

Out: 0.000+/-0.000 χ^2/NDF:6571034.4/33

All: 0.000+/-0.000 χ^2/NDF: 12755136.5/63



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.462+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

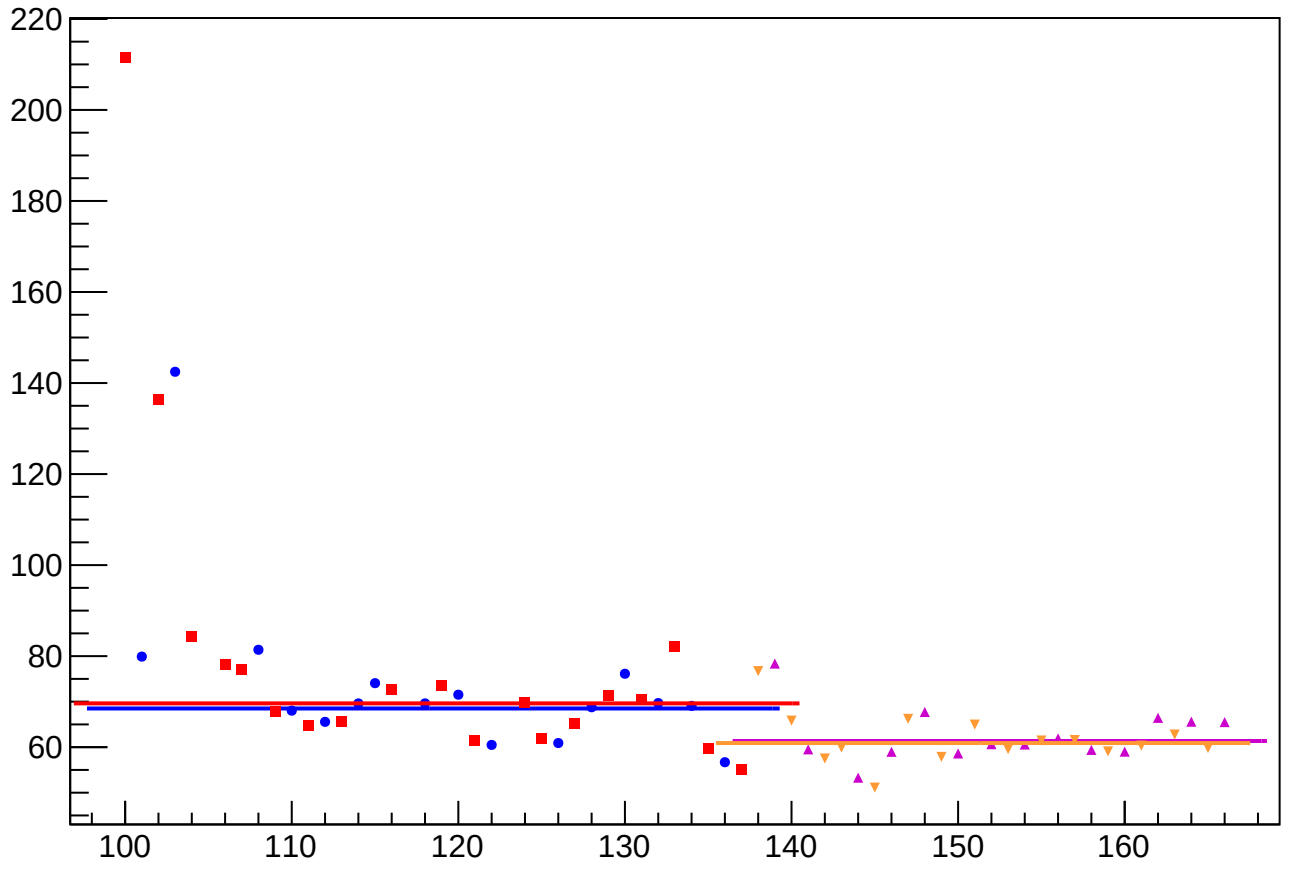
Left: 45.853+/-12.758 χ^2/NDF: 36.1/28

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 41.500+/-14.959 χ^2/NDF:40.5/29

Out: 38.865+/-14.798 χ^2/NDF:42.4/33

All: 40.168+/-10.520 χ^2/NDF: 82.9/63



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.128+/-0.009 χ^2/NDF: 328456.5/28

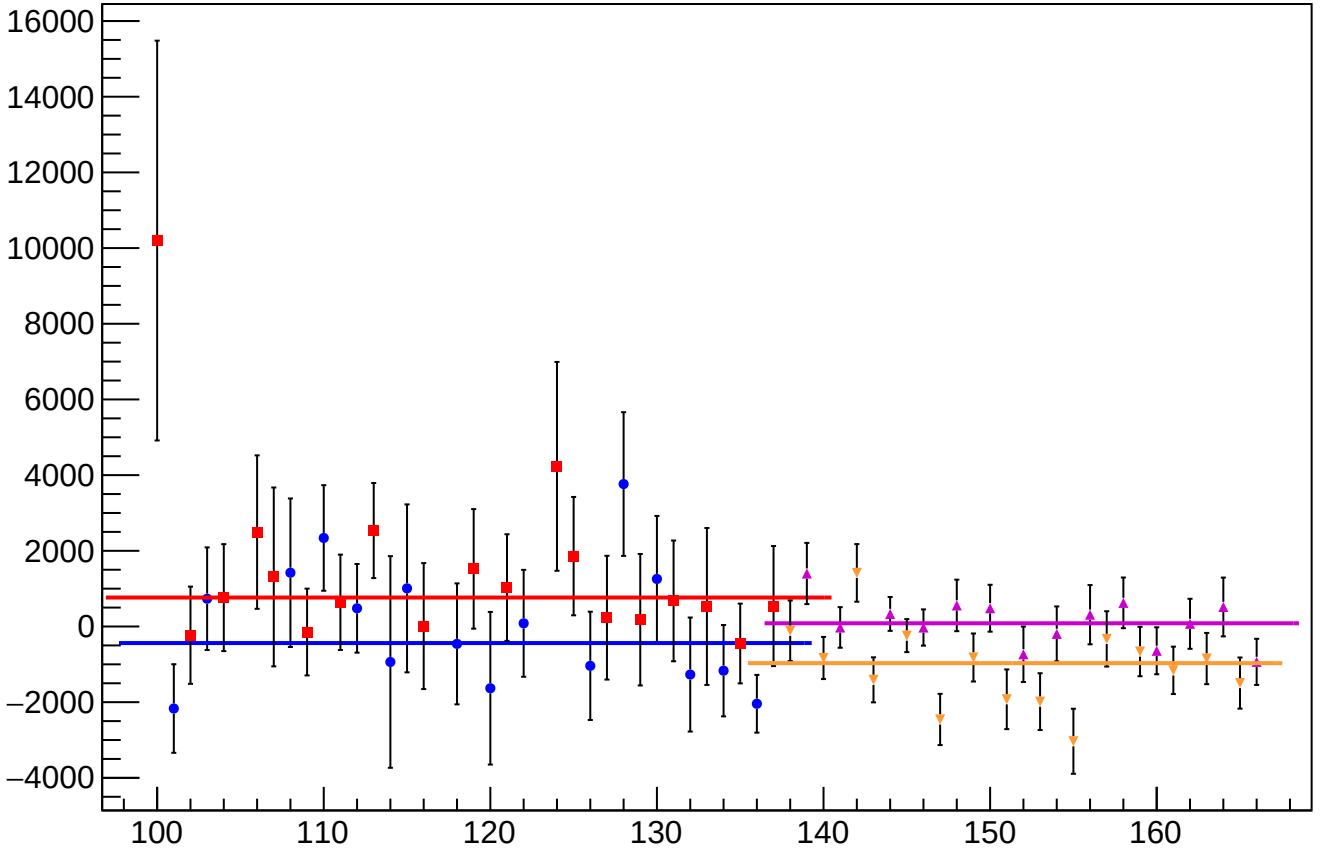
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.684+/-0.011 χ^2/NDF:738417.9/29

Out: 63.647+/-0.010 χ^2/NDF:831288.2/33

All: 63.665+/-0.007 χ^2/NDF: 1569712.1/63

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -968.506+/-168.721 χ^2/NDF:30.0/14

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 84.973+/-166.761 χ^2/NDF:10.5/13

Left: -435.614+/-118.605 χ^2/NDF: 60.3/28

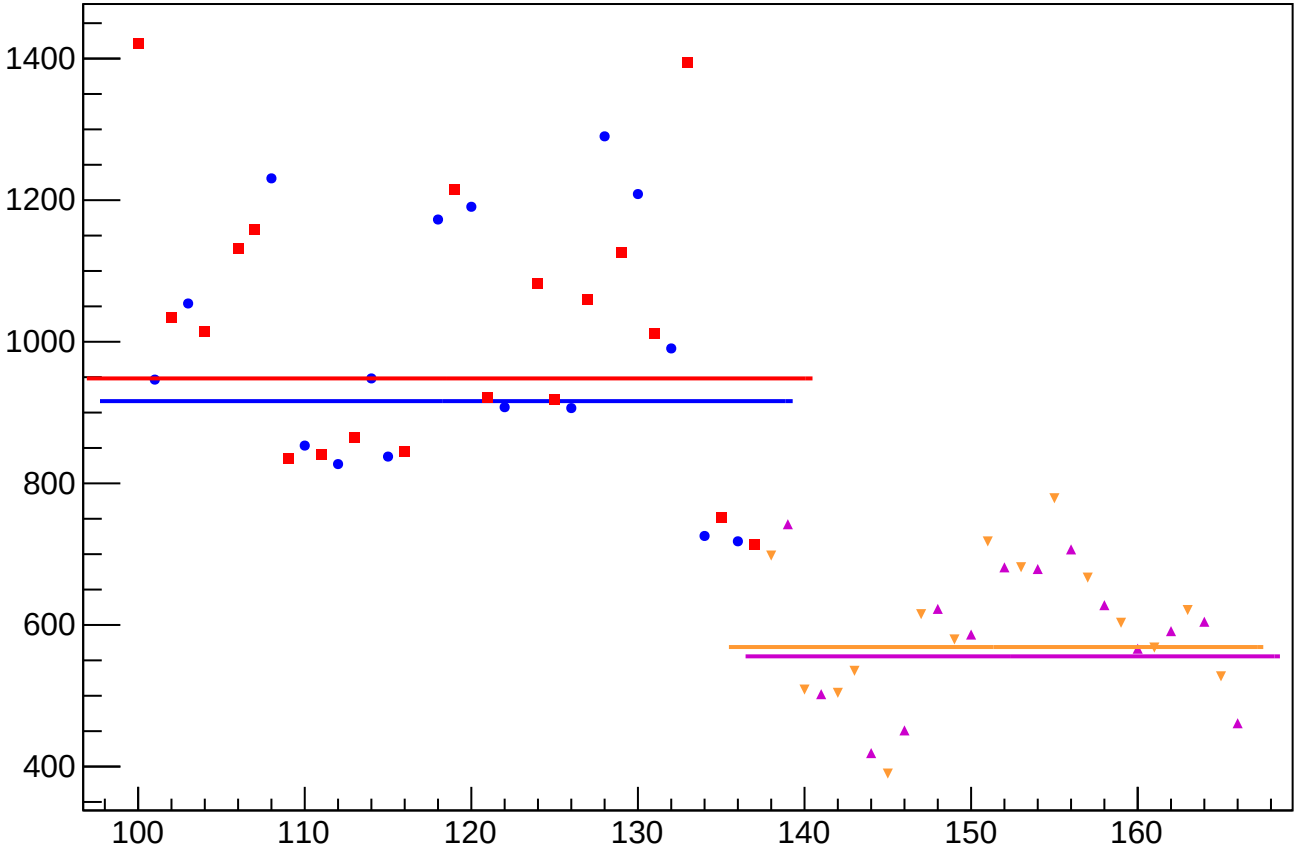
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -12.188+/-150.457 χ^2/NDF:32.9/29

Out: -646.148+/-152.231 χ^2/NDF:61.0/33

All: -325.453+/-107.011 χ^2/NDF: 102.7/63

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.825+/-0.119 χ^2/NDF:738994.7/14

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708796.9/13

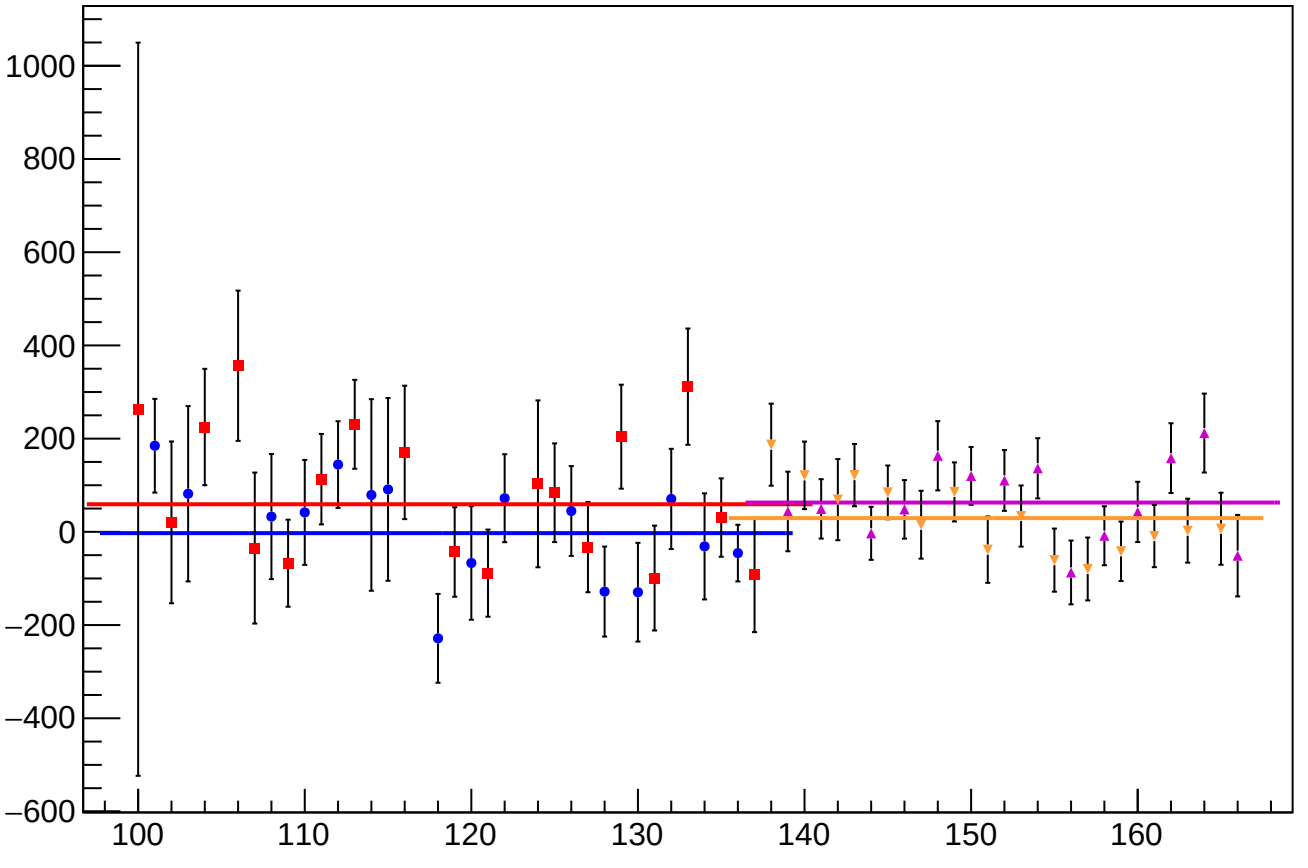
Left: 562.173+/-0.084 χ^2/NDF: 1453937.9/28

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 622.721+/-0.106 χ^2/NDF:2956175.9/29

Out: 639.366+/-0.108 χ^2/NDF:3034527.5/33

All: 630.946+/-0.076 χ^2/NDF: 6002798.4/63



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

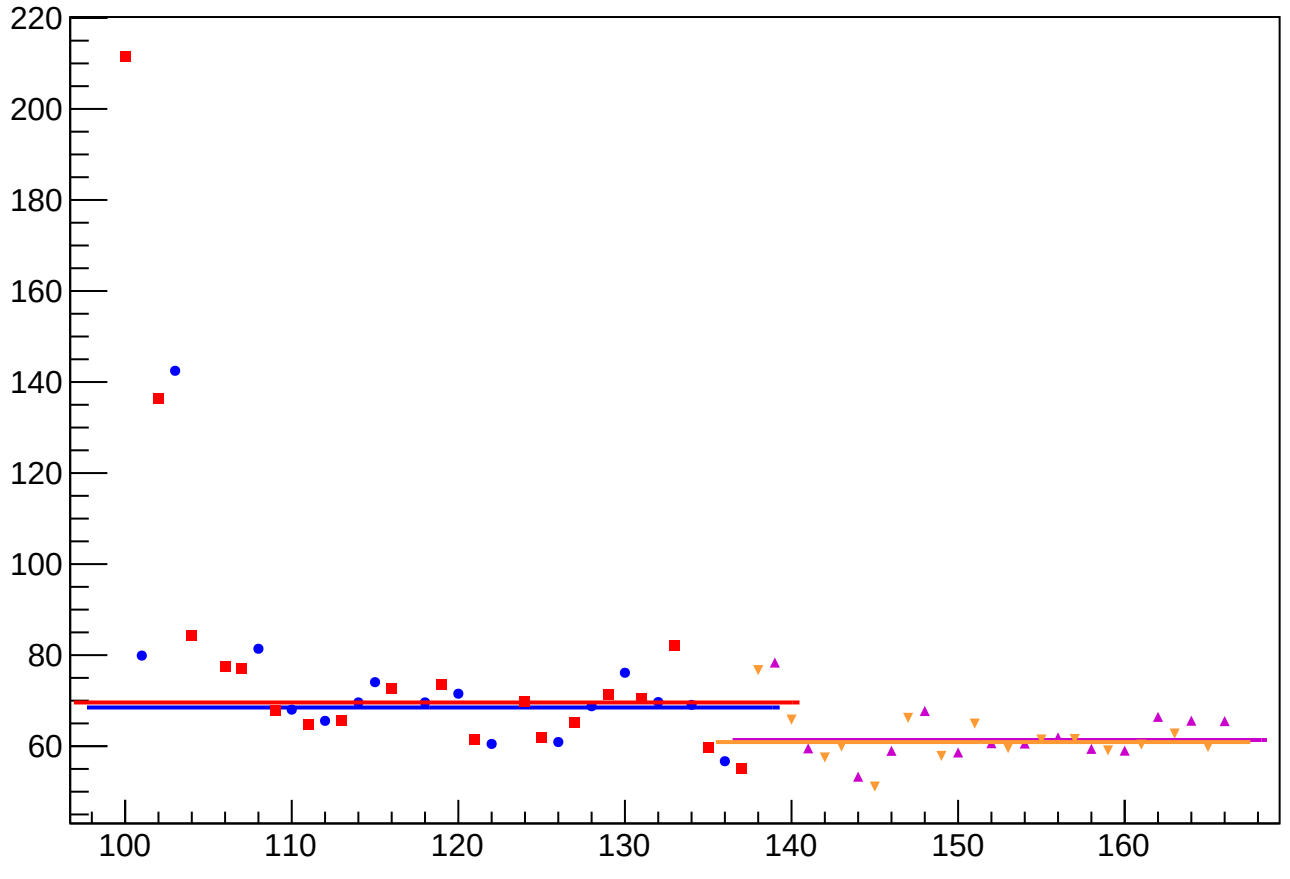
Left: 45.854+/-12.758 χ^2/NDF: 36.1/28

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 41.497+/-14.959 χ^2/NDF:40.5/29

Out: 38.828+/-14.798 χ^2/NDF:42.3/33

All: 40.148+/-10.520 χ^2/NDF: 82.8/63



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.128+/-0.009 χ^2/NDF: 328456.5/28

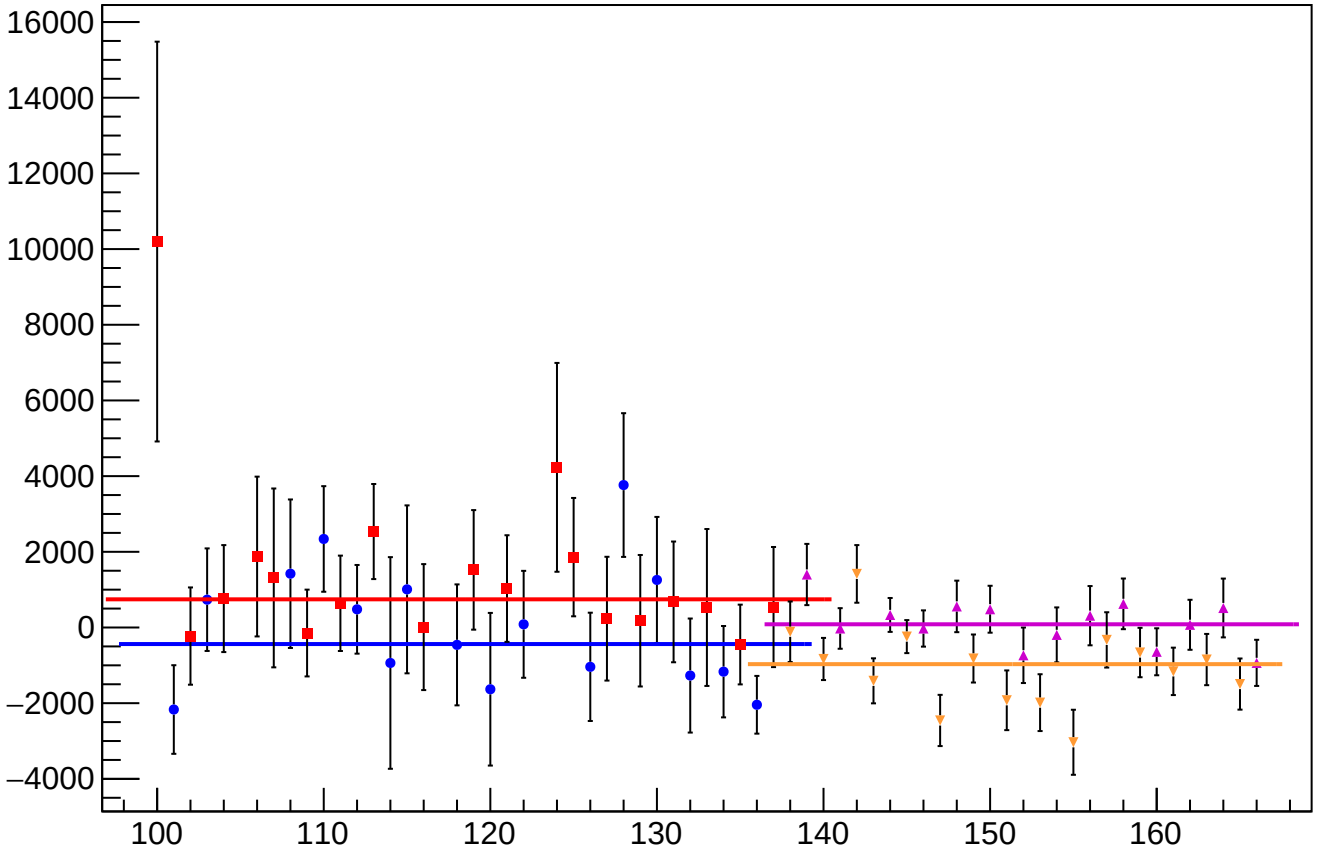
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.684+/-0.011 χ^2/NDF:738420.9/29

Out: 63.641+/-0.010 χ^2/NDF:830004.8/33

All: 63.662+/-0.007 χ^2/NDF: 1568433.9/63

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -968.502+/-168.721 χ^2/NDF:30.0/14

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 84.975+/-166.761 χ^2/NDF:10.5/13

Left: -435.611+/-118.605 χ^2/NDF: 60.3/28

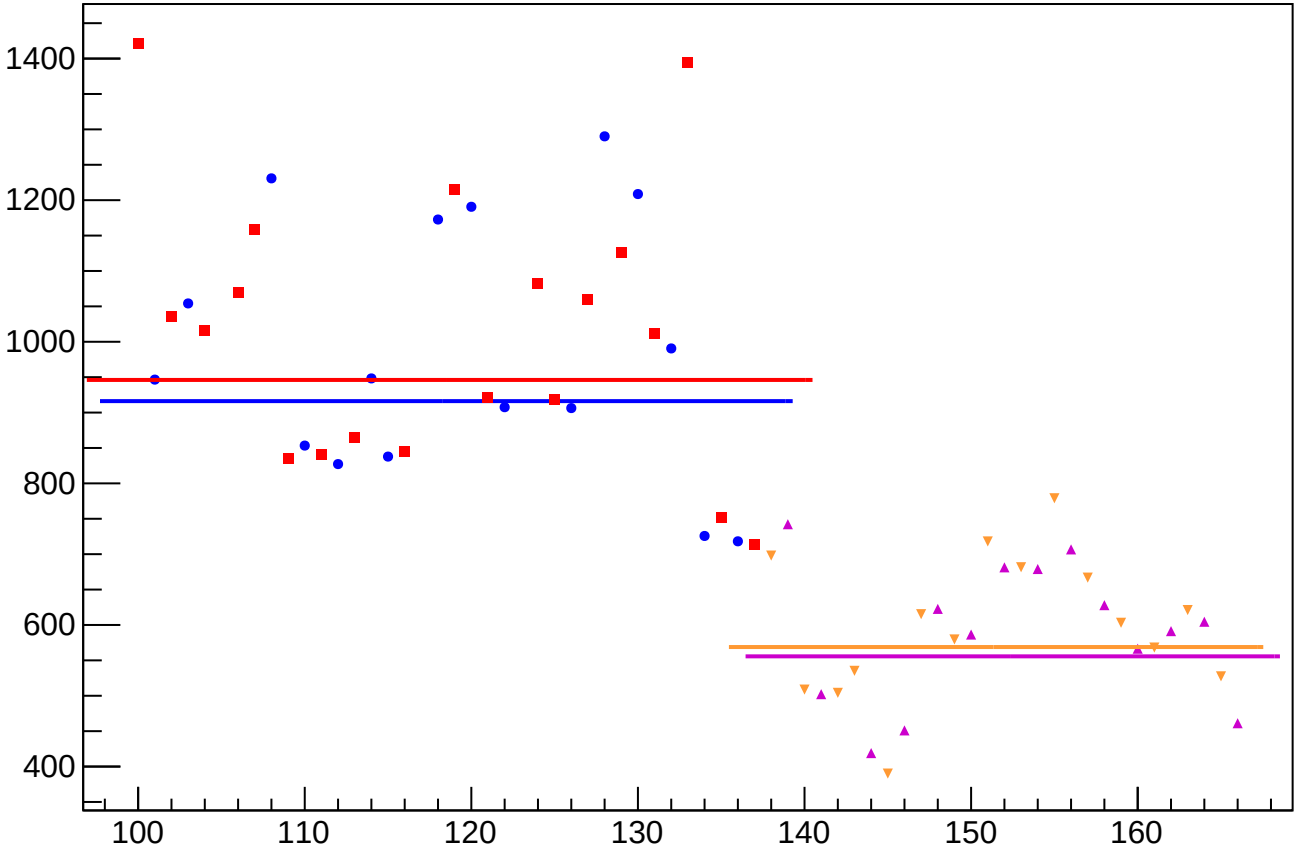
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -12.180+/-150.457 χ^2/NDF:32.9/29

Out: -650.680+/-152.266 χ^2/NDF:60.0/33

All: -327.616+/-107.023 χ^2/NDF: 101.8/63

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708794.7/13

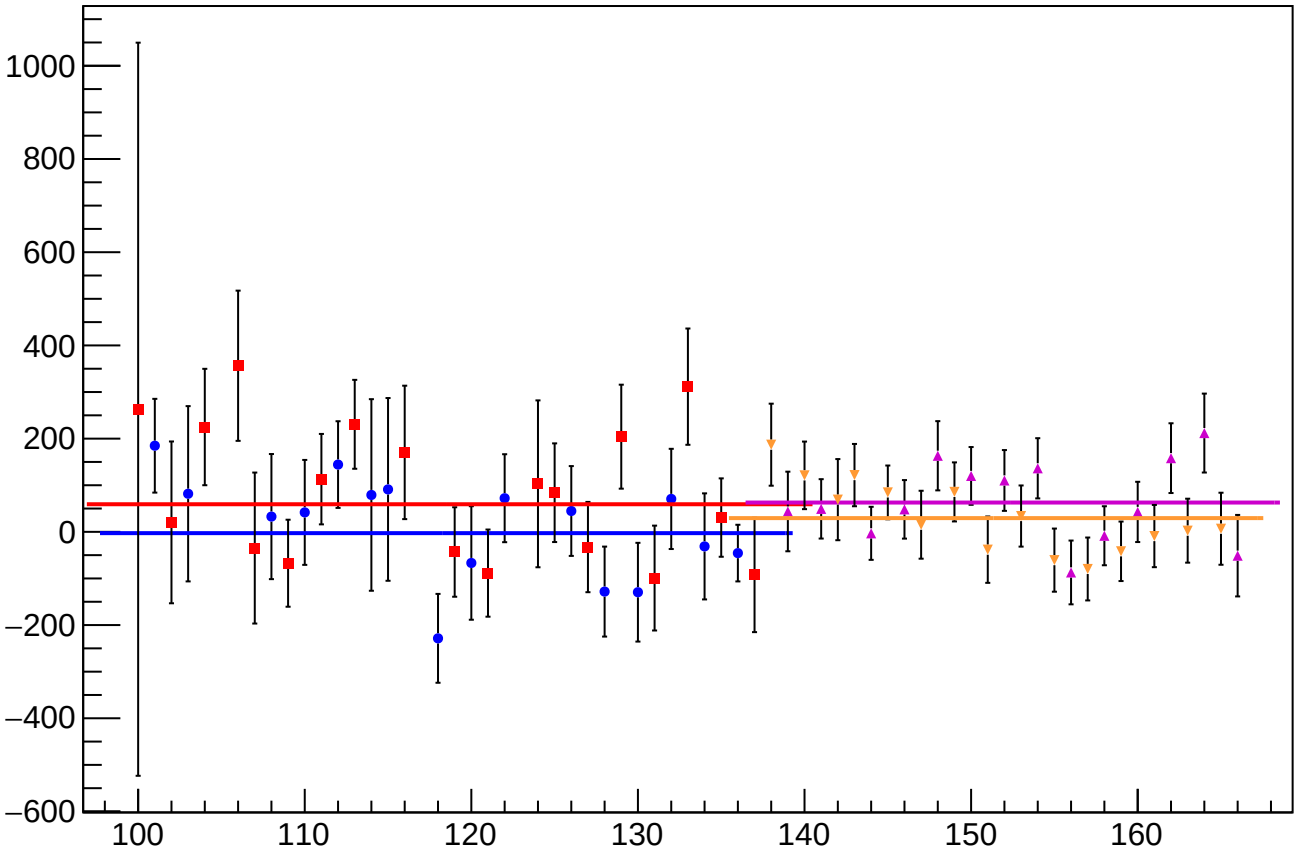
Left: 562.173+/-0.084 χ^2/NDF: 1453938.4/28

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 622.721+/-0.106 χ^2/NDF:2956217.5/29

Out: 638.826+/-0.108 χ^2/NDF:2999840.7/33

All: 630.677+/-0.076 χ^2/NDF: 5967379.2/63



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 62.876+/-18.216 χ^2/NDF:18.6/13

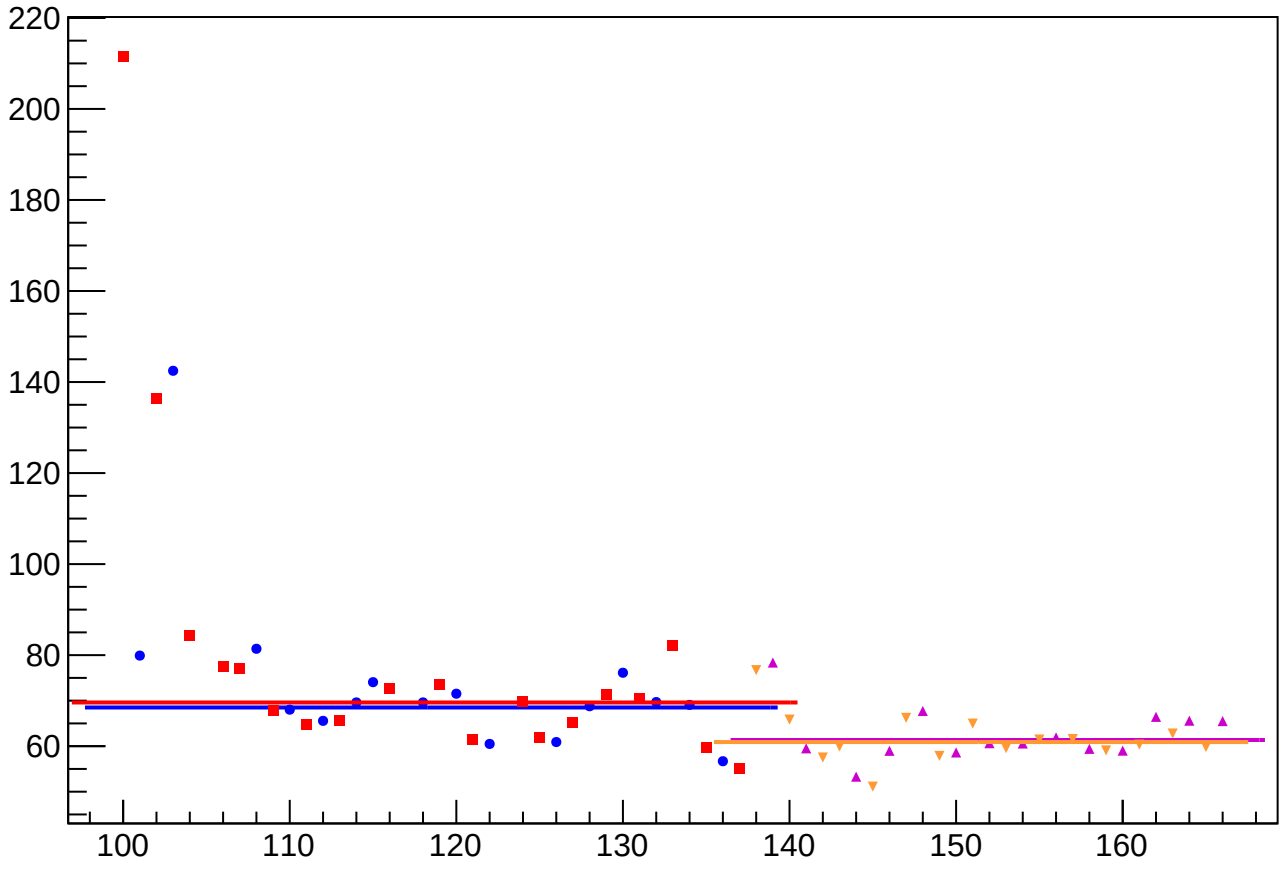
Left: 45.854+/-12.758 χ^2/NDF: 36.1/28

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 41.497+/-14.959 χ^2/NDF:40.5/29

Out: 38.828+/-14.798 χ^2/NDF:42.3/33

All: 40.148+/-10.520 χ^2/NDF: 82.8/63



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.359+/-0.013 χ^2/NDF:166487.5/13

Left: 61.128+/-0.009 χ^2/NDF: 328456.5/28

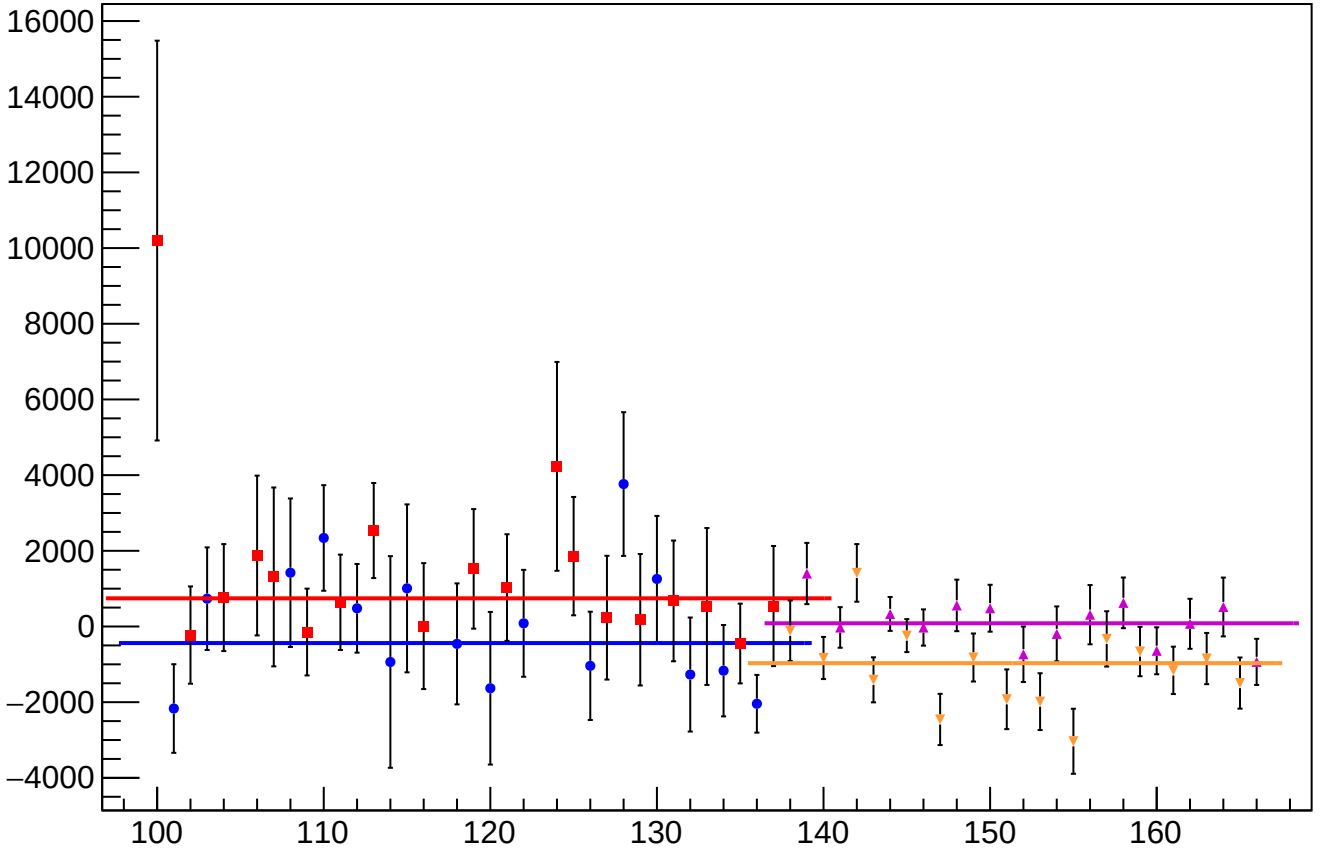
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.684+/-0.011 χ^2/NDF:738420.9/29

Out: 63.641+/-0.010 χ^2/NDF:830004.8/33

All: 63.662+/-0.007 χ^2/NDF: 1568433.9/63

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -968.502+/-168.721 χ^2/NDF:30.0/14

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 84.975+/-166.761 χ^2/NDF:10.5/13

Left: -435.611+/-118.605 χ^2/NDF: 60.3/28

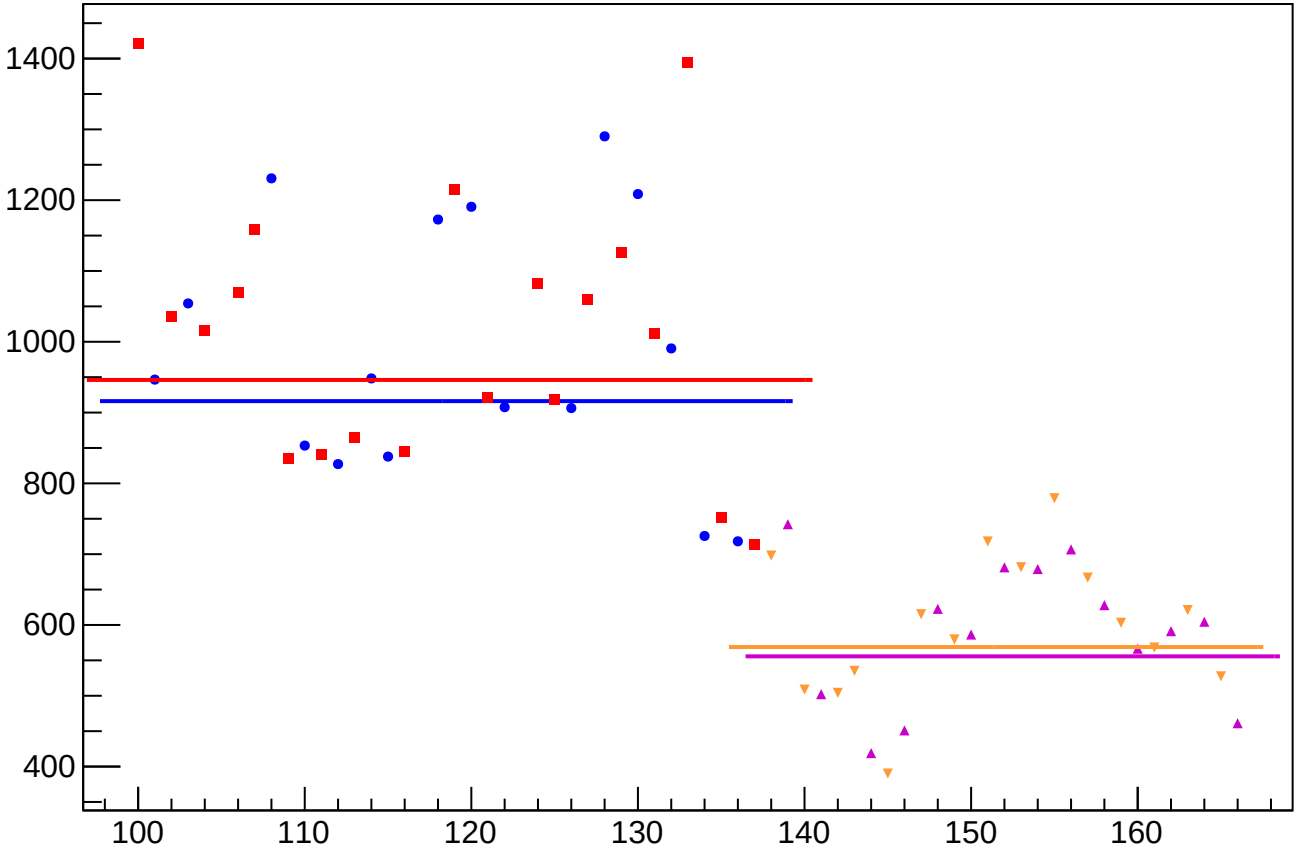
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -12.180+/-150.457 χ^2/NDF:32.9/29

Out: -650.680+/-152.266 χ^2/NDF:60.0/33

All: -327.616+/-107.023 χ^2/NDF: 101.8/63

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 555.675+/-0.118 χ^2/NDF:708794.7/13

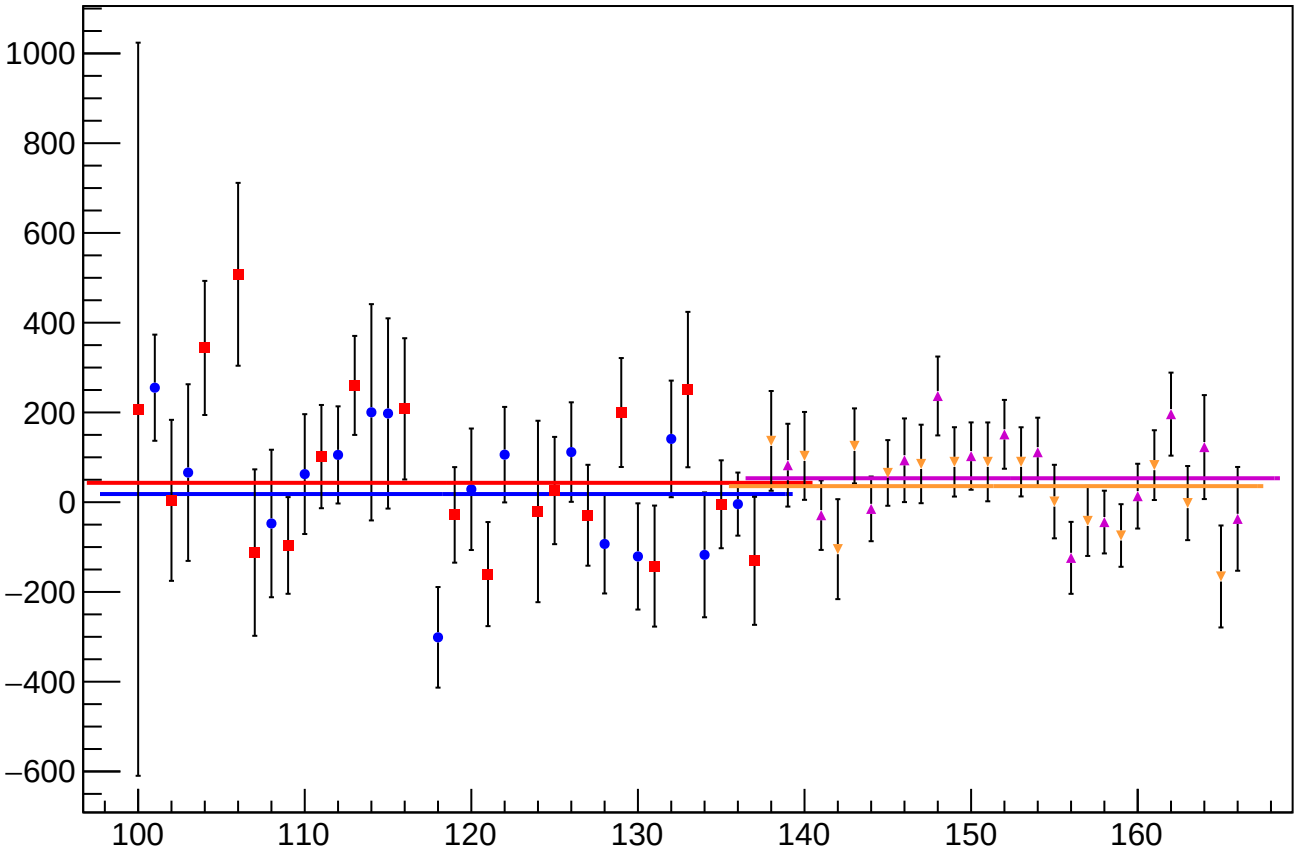
Left: 562.173+/-0.084 χ^2/NDF: 1453938.4/28

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 622.721+/-0.106 χ^2/NDF:2956217.5/29

Out: 638.826+/-0.108 χ^2/NDF:2999840.7/33

All: 630.677+/-0.076 χ^2/NDF: 5967379.2/63



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.783+/-21.823 χ^2/NDF:13.2/14

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 53.366+/-22.053 χ^2/NDF:19.8/13

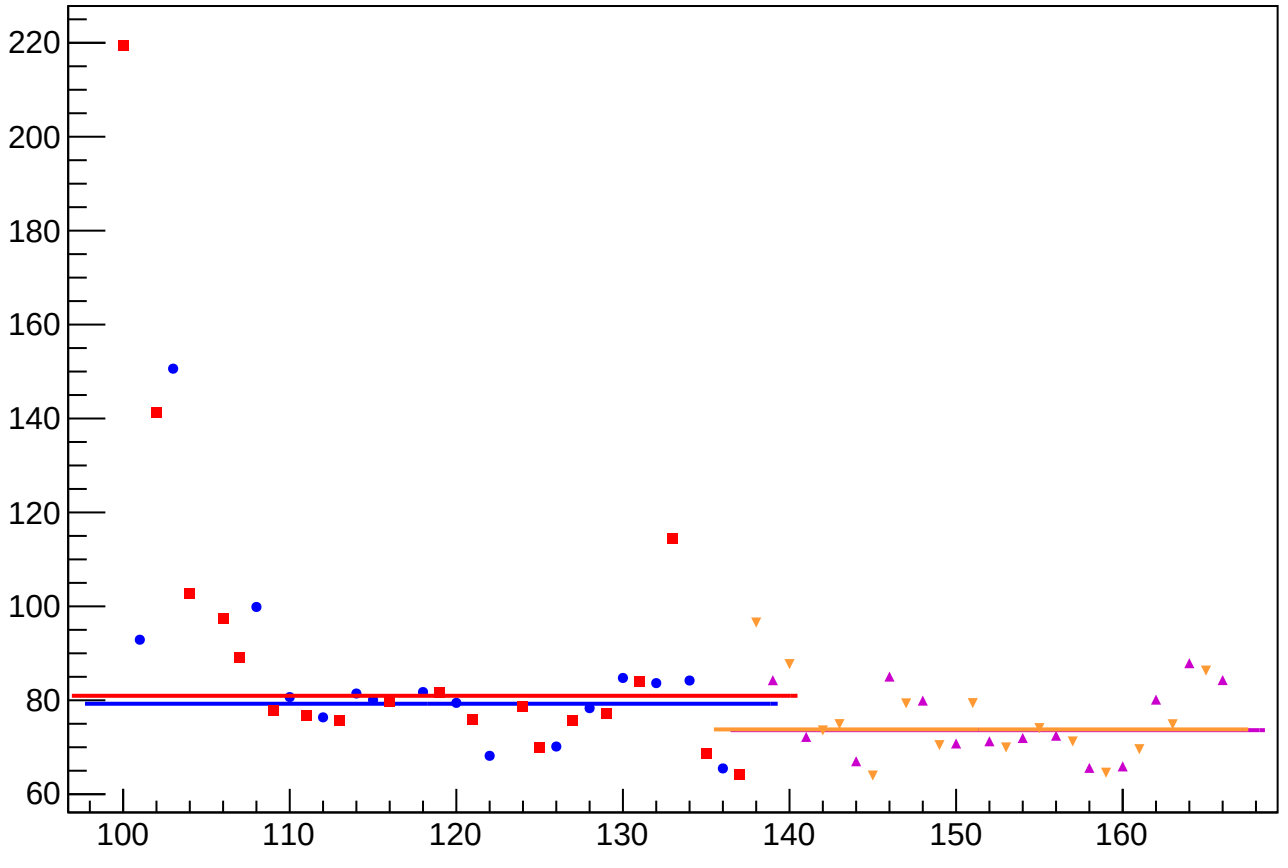
Left: 44.482+/-15.512 χ^2/NDF: 33.4/28

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.204+/-17.840 χ^2/NDF:40.8/29

Out: 38.254+/-17.788 χ^2/NDF:41.0/33

All: 39.725+/-12.596 χ^2/NDF: 81.8/63



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.795+/-0.015 χ^2/NDF:253017.2/14

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.637+/-0.016 χ^2/NDF:196919.6/13

Left: 73.717+/-0.011 χ^2/NDF: 449988.3/28

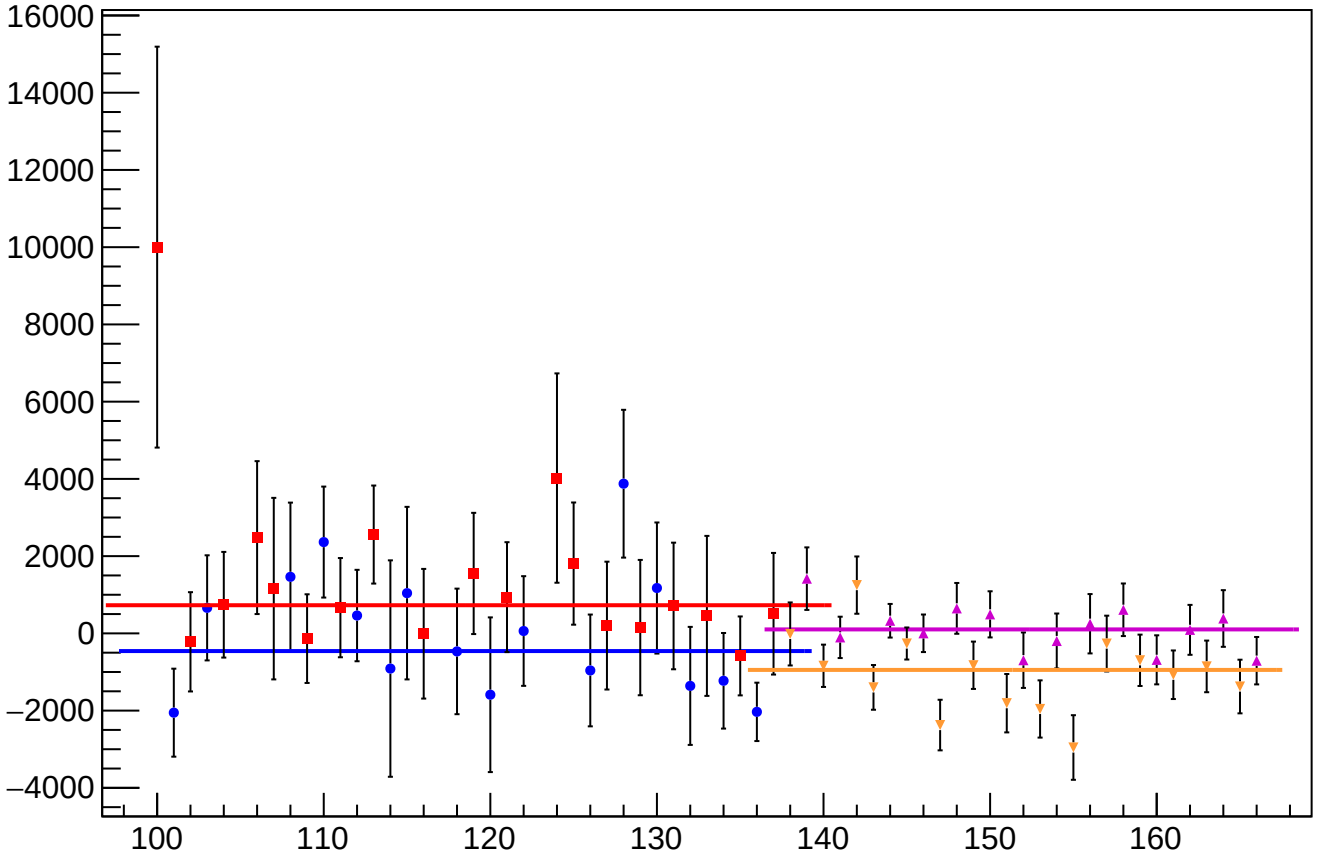
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.582+/-0.013 χ^2/NDF:686852.6/29

Out: 76.199+/-0.013 χ^2/NDF:839522.3/33

All: 75.891+/-0.009 χ^2/NDF: 1527574.7/63

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -946.184+/-165.621 χ^2/NDF:28.6/14

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 102.580+/-164.880 χ^2/NDF:9.6/13

Left: -419.452+/-116.849 χ^2/NDF: 58.4/28

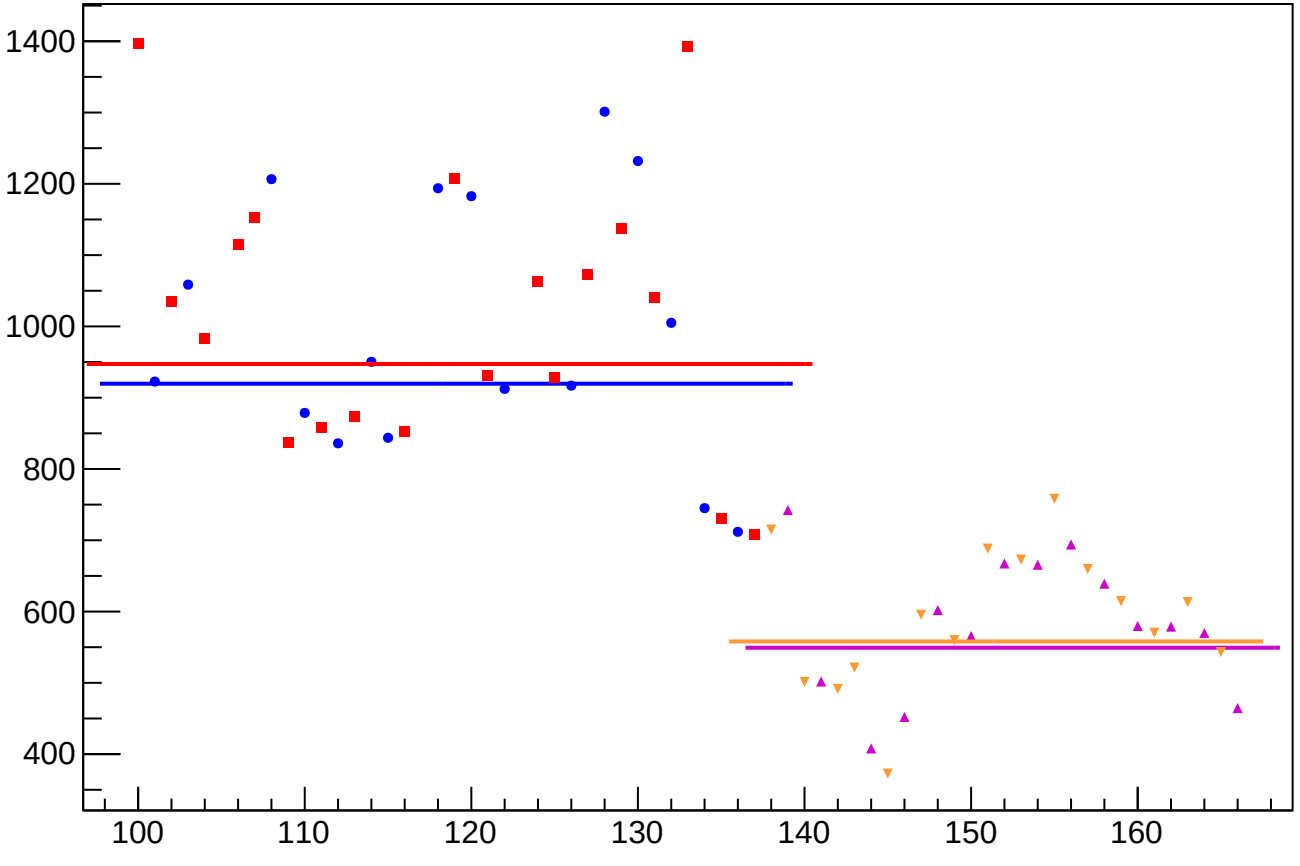
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 0.785+/-149.164 χ^2/NDF:32.0/29

Out: -643.400+/-149.906 χ^2/NDF:58.6/33

All: -319.710+/-105.736 χ^2/NDF: 99.9/63

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 558.098+/-0.117 χ^2/NDF:816299.2/14

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 549.289+/-0.117 χ^2/NDF:696312.8/13

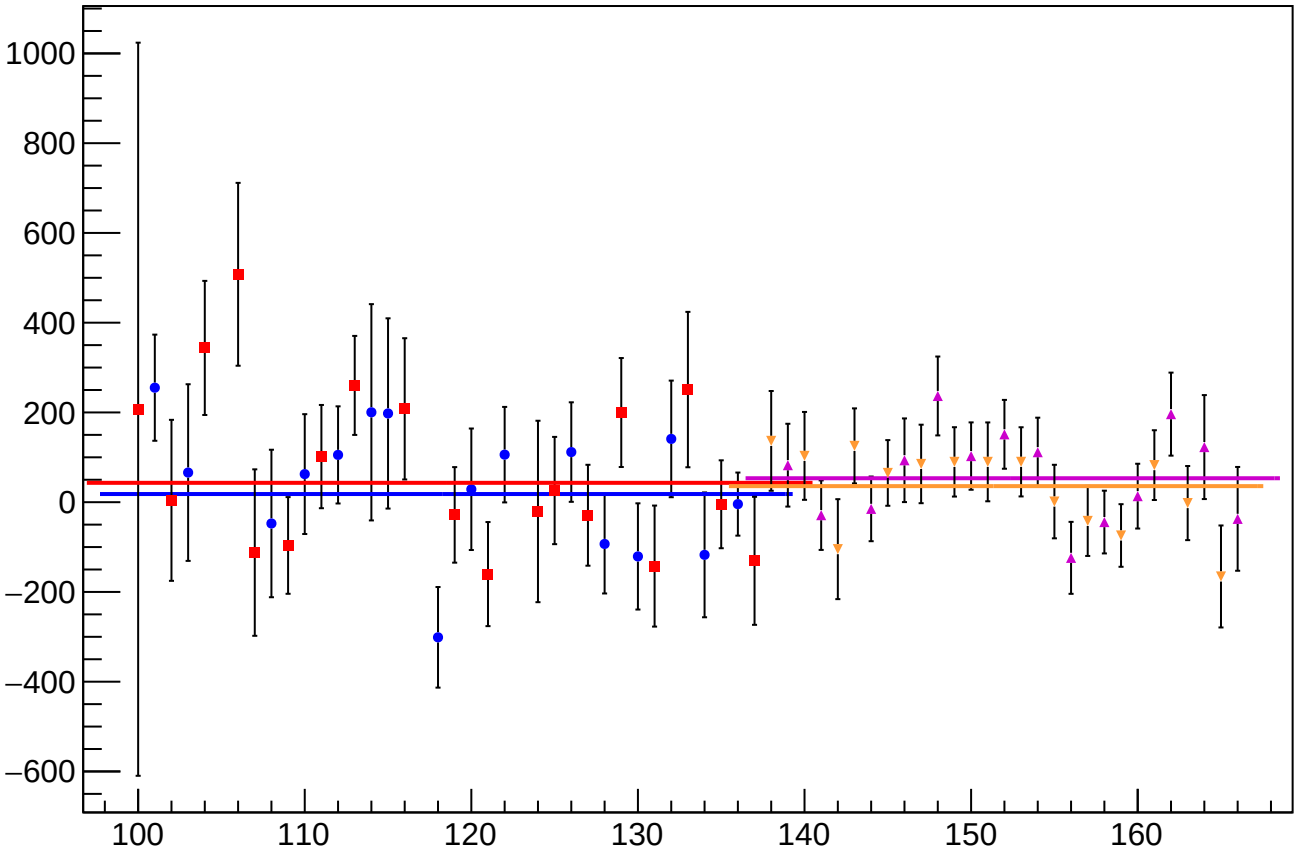
Left: 553.674+/-0.083 χ^2/NDF: 1515454.2/28

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 616.527+/-0.105 χ^2/NDF:3043742.0/29

Out: 628.451+/-0.106 χ^2/NDF:3238139.3/33

All: 622.459+/-0.075 χ^2/NDF: 6288239.5/63



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.785+/-21.823 χ^2/NDF:13.2/14

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 53.365+/-22.054 χ^2/NDF:19.8/13

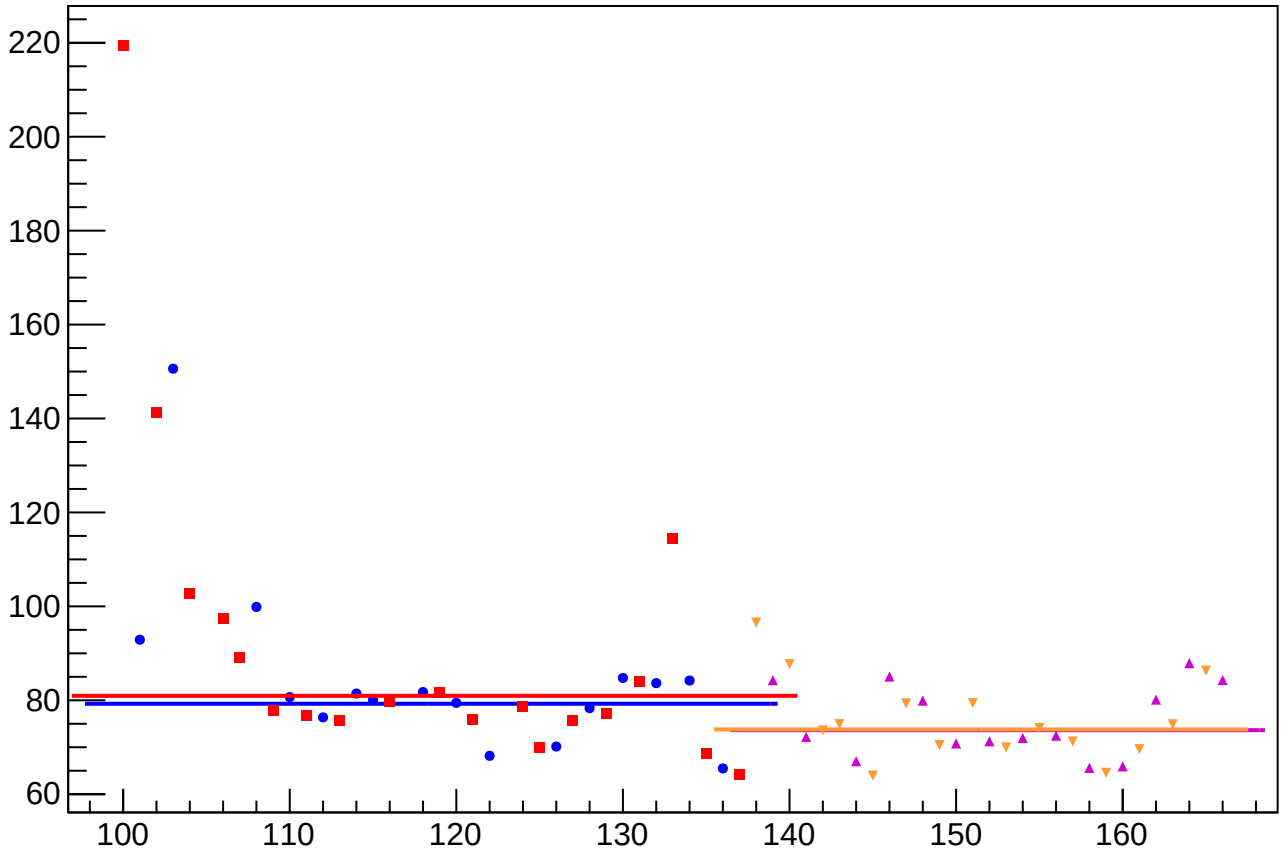
Left: 44.482+/-15.512 χ^2/NDF: 33.4/28

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.203+/-17.840 χ^2/NDF:40.8/29

Out: 38.254+/-17.788 χ^2/NDF:41.0/33

All: 39.724+/-12.596 χ^2/NDF: 81.8/63



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.795+/-0.015 χ^2/NDF:253013.9/14

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.637+/-0.016 χ^2/NDF:196924.2/13

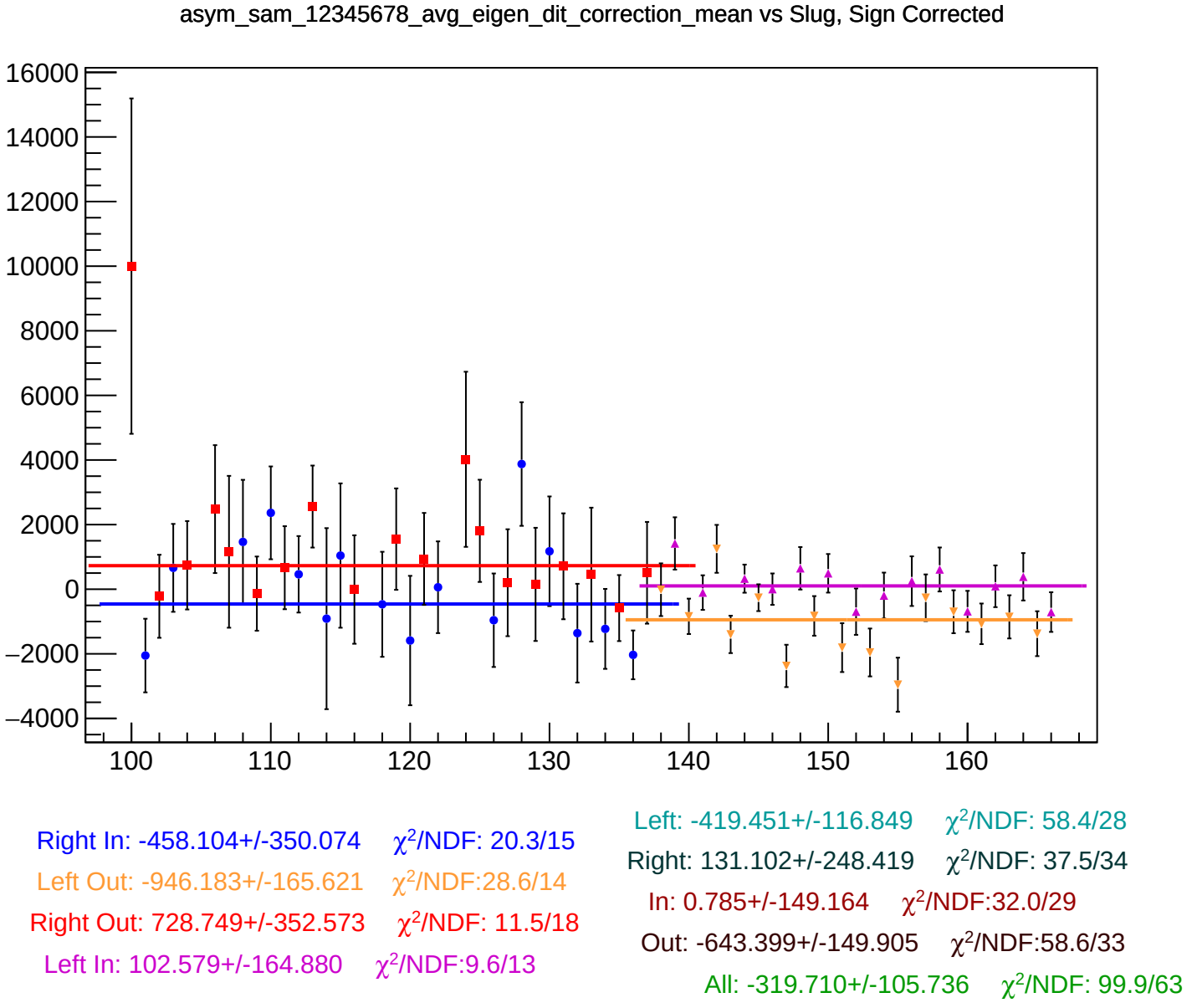
Left: 73.717+/-0.011 χ^2/NDF: 449989.7/28

Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

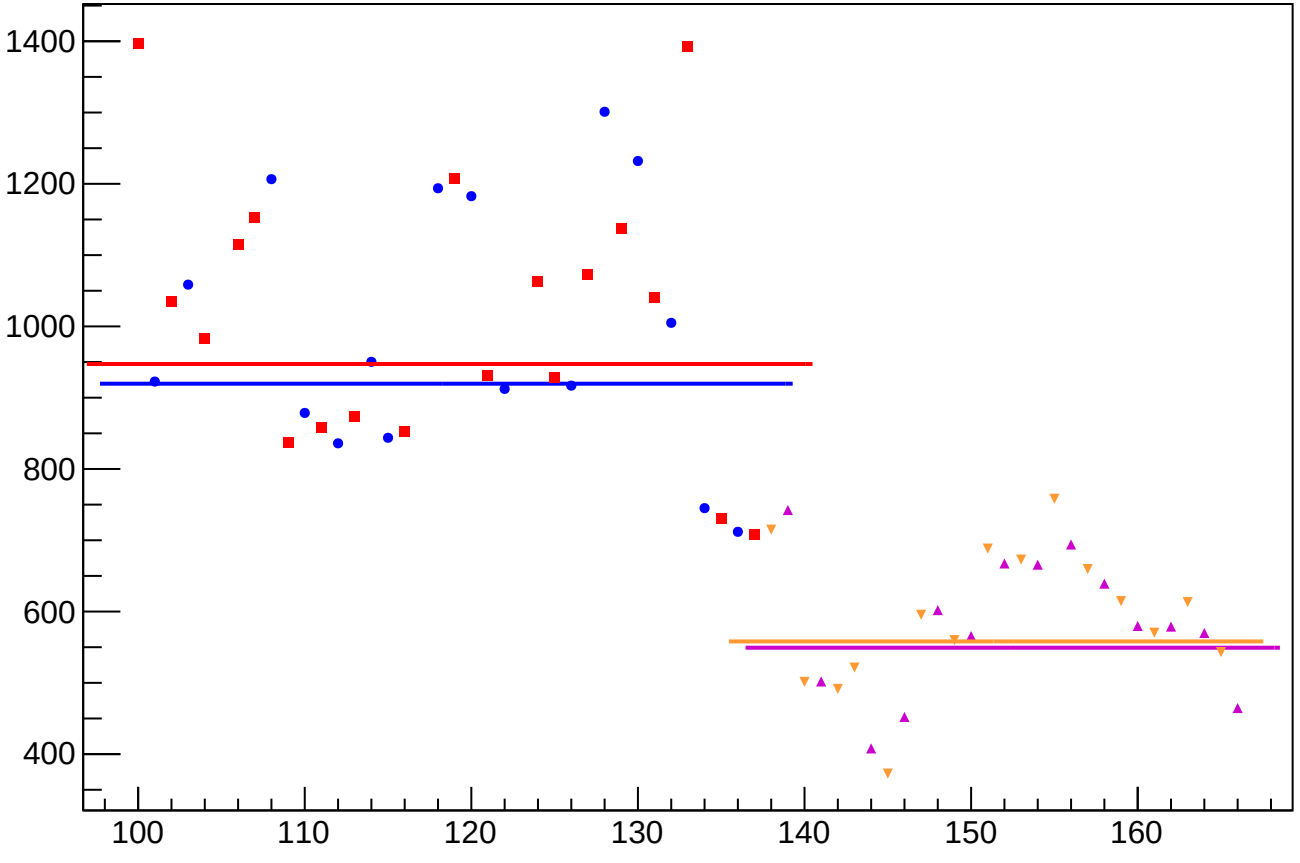
In: 75.582+/-0.013 χ^2/NDF:686846.9/29

Out: 76.199+/-0.013 χ^2/NDF:839518.1/33

All: 75.891+/-0.009 χ^2/NDF: 1527565.0/63


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -458.104+/-350.074 χ²/NDF: 20.3/15
Left Out: -946.183+/-165.621 χ²/NDF:28.6/14
Right Out: 728.749+/-352.573 χ²/NDF: 11.5/18
Left In: 102.579+/-164.880 χ²/NDF:9.6/13
Left: -419.451+/-116.849 χ²/NDF: 58.4/28
Right: 131.102+/-248.419 χ²/NDF: 37.5/34
In: 0.785+/-149.164 χ²/NDF:32.0/29
Out: -643.399+/-149.905 χ²/NDF:58.6/33
All: -319.710+/-105.736 χ²/NDF: 99.9/63

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 558.098+/-0.117 χ^2/NDF:816303.3/14

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 549.288+/-0.117 χ^2/NDF:696311.6/13

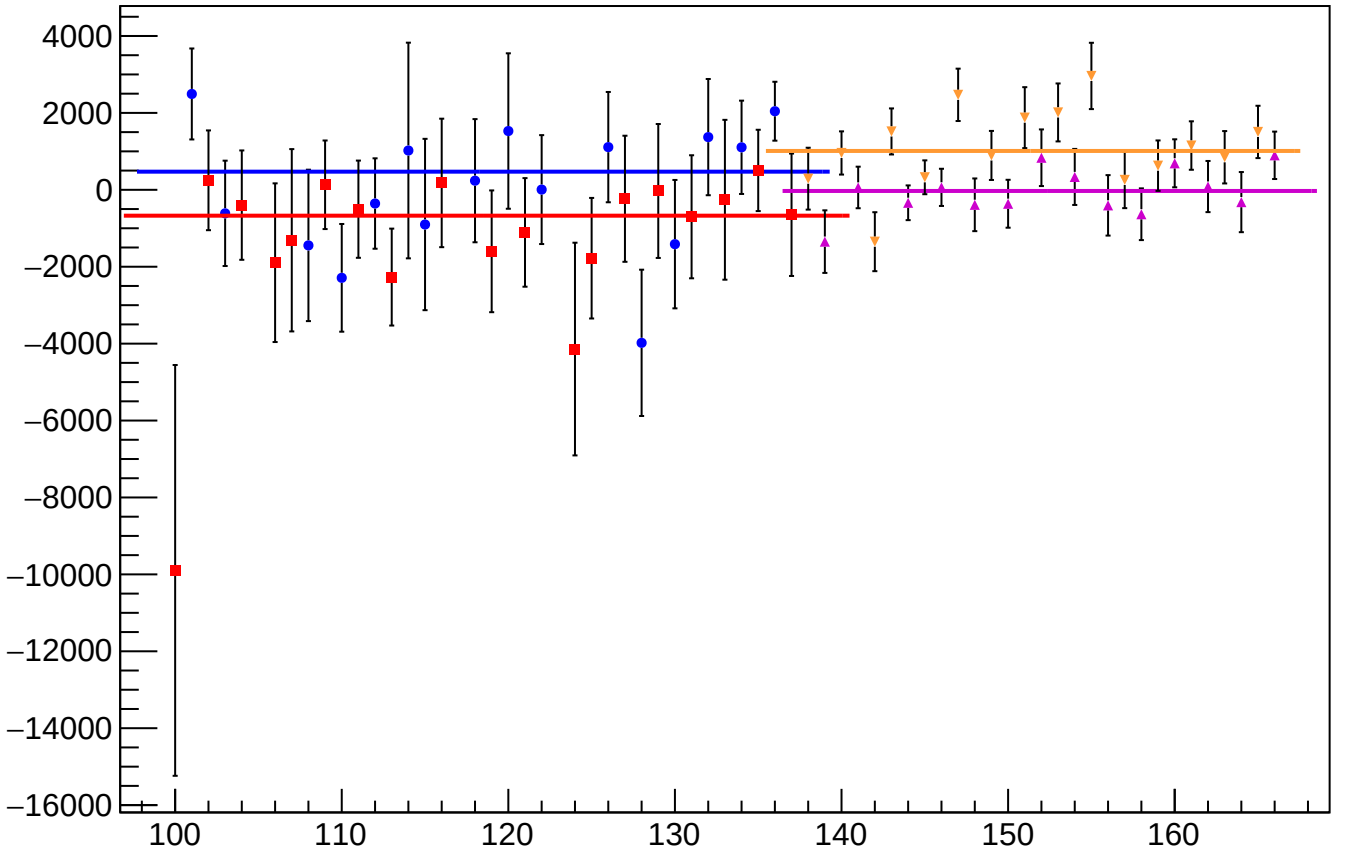
Left: 553.673+/-0.083 χ^2/NDF: 1515456.9/28

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 616.526+/-0.105 χ^2/NDF:3043735.7/29

Out: 628.450+/-0.106 χ^2/NDF:3238139.7/33

All: 622.458+/-0.075 χ^2/NDF: 6288233.4/63



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1010.552+/-169.771 χ^2/NDF:28.2/14

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -29.843+/-167.887 χ^2/NDF:10.1/13

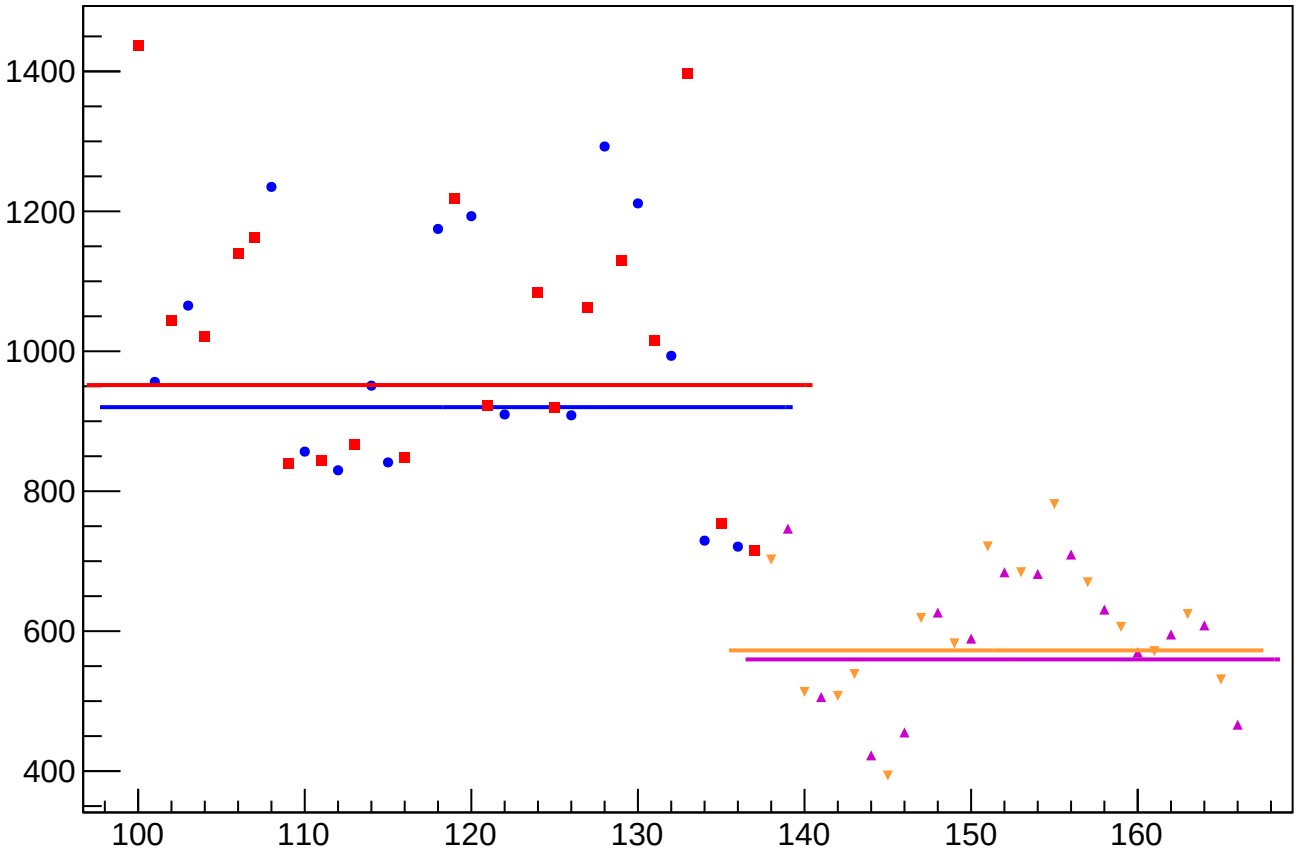
Left: 484.547+/-119.375 χ^2/NDF: 57.3/28

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 63.866+/-151.403 χ^2/NDF:33.3/29

Out: 696.571+/-153.119 χ^2/NDF:56.8/33

All: 376.653+/-107.660 χ^2/NDF: 98.7/63



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 572.525+/-0.120 χ^2/NDF:726361.3/14

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 559.610+/-0.119 χ^2/NDF:694809.5/13

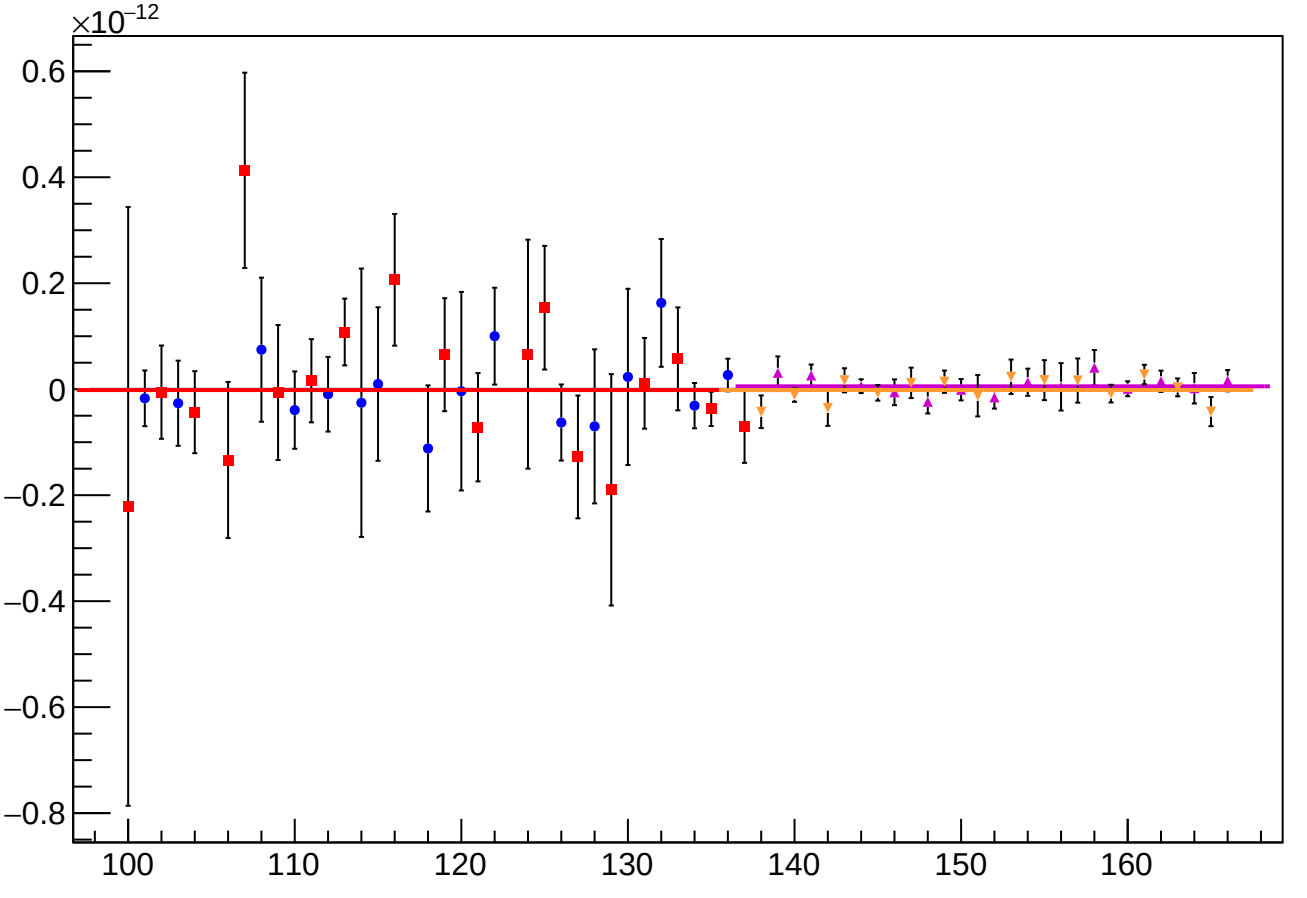
Left: 565.995+/-0.084 χ^2/NDF: 1427022.9/28

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 626.927+/-0.107 χ^2/NDF:2925545.5/29

Out: 643.265+/-0.108 χ^2/NDF:3003866.5/33

All: 635.004+/-0.076 χ^2/NDF: 5940926.0/63



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/13

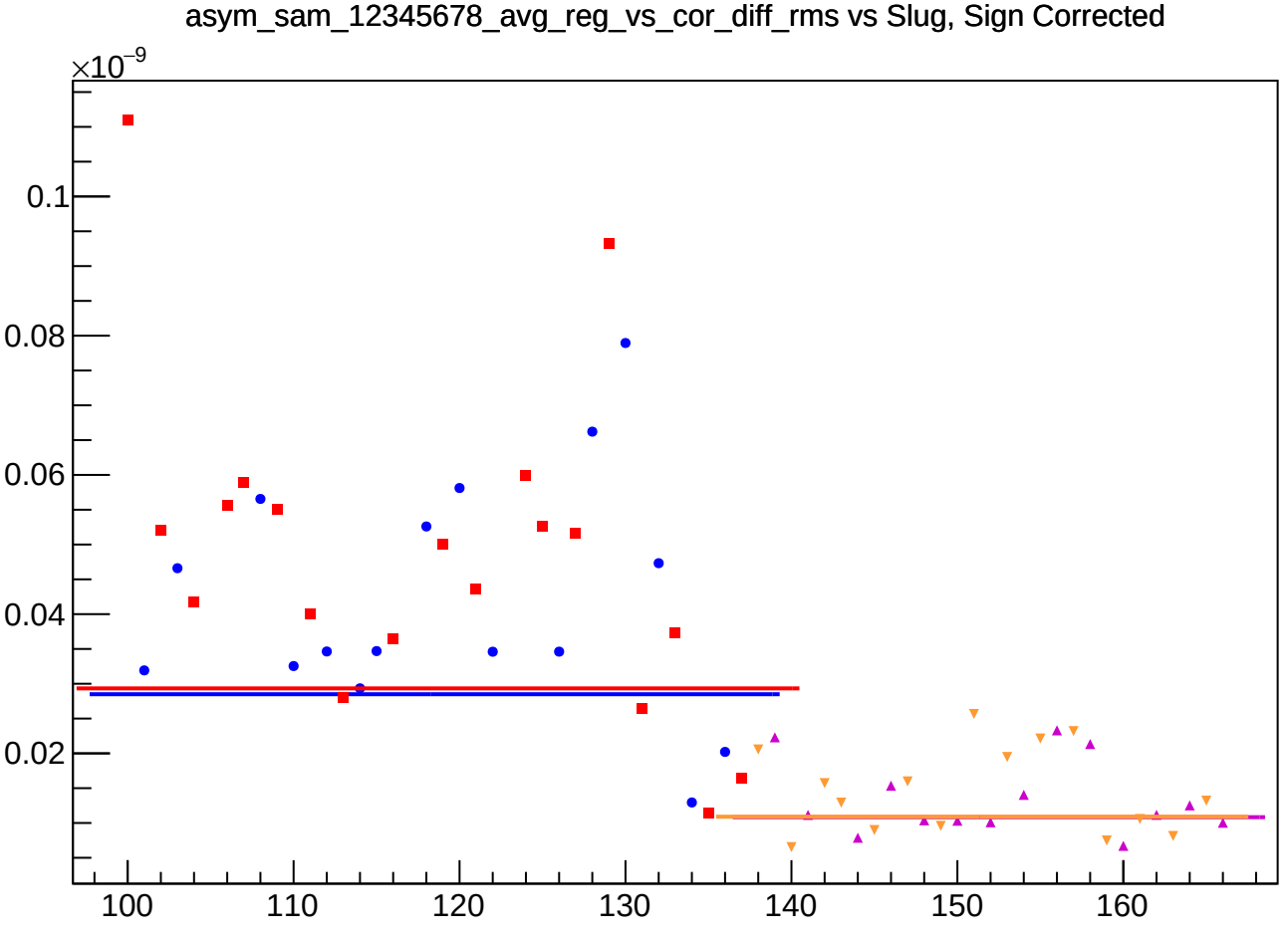
Left: 0.000+/-0.000 χ^2/NDF: 18.2/28

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.7/29

Out: -0.000+/-0.000 χ^2/NDF:30.3/33

All: 0.000+/-0.000 χ^2/NDF: 44.8/63



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1507839.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1015216.3/13

Left: 0.000+/-0.000 χ^2/NDF: 2523208.9/28

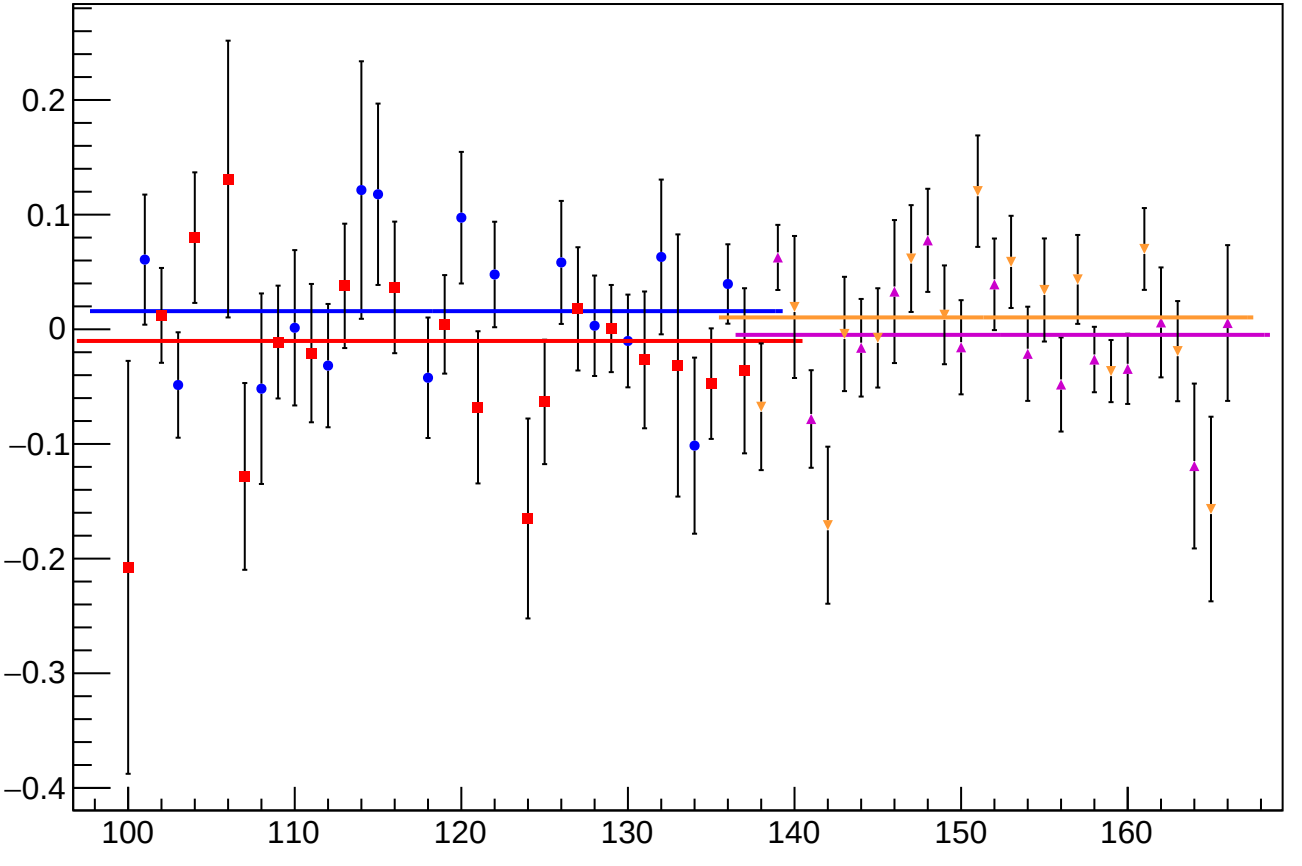
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3975905.2/29

Out: 0.000+/-0.000 χ^2/NDF:4843875.8/33

All: 0.000+/-0.000 χ^2/NDF: 8820190.1/63

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.002+/-0.008 χ^2/NDF: 48.7/28

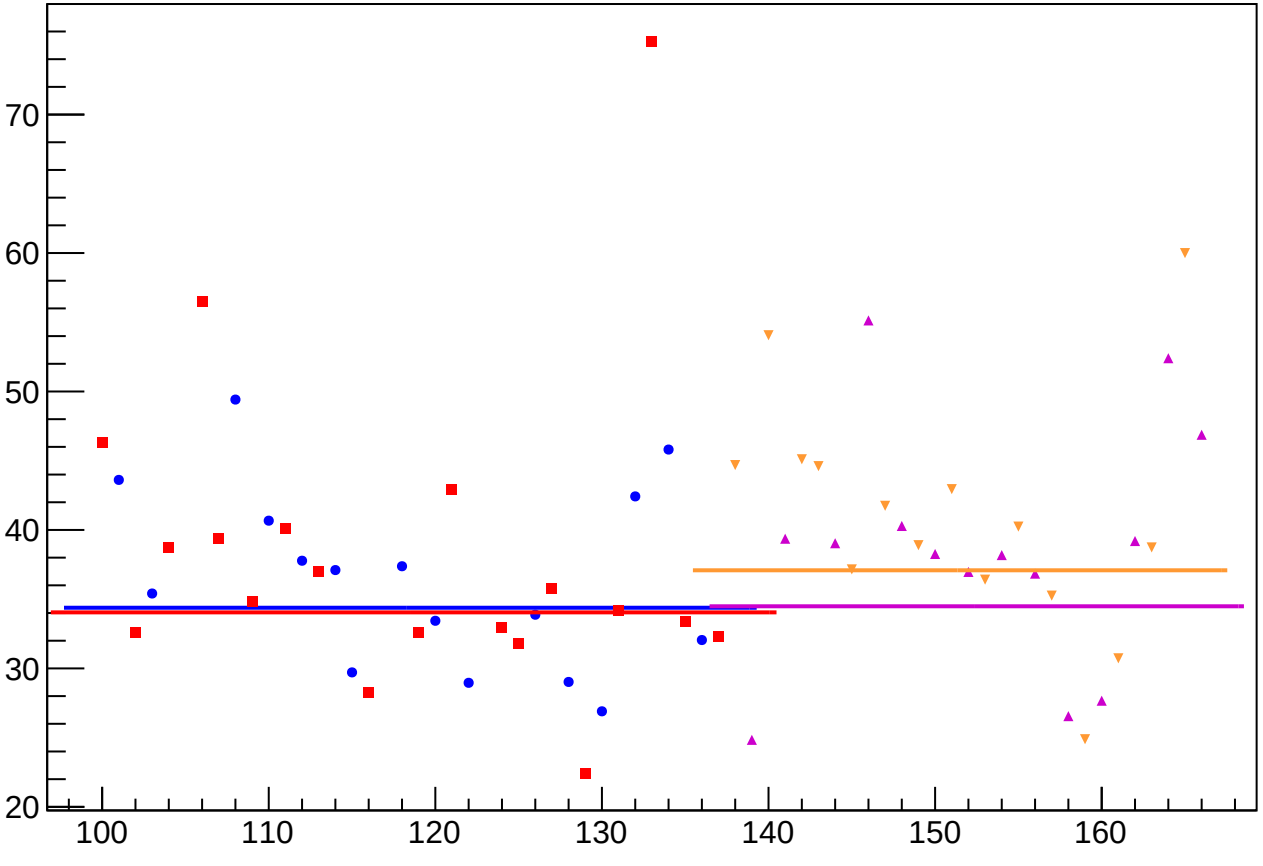
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/63

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.086+/-0.008 χ^2/NDF:962420.3/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.487+/-0.008 χ^2/NDF:1043705.3/13

Left: 35.717+/-0.006 χ^2/NDF: 2061389.6/28

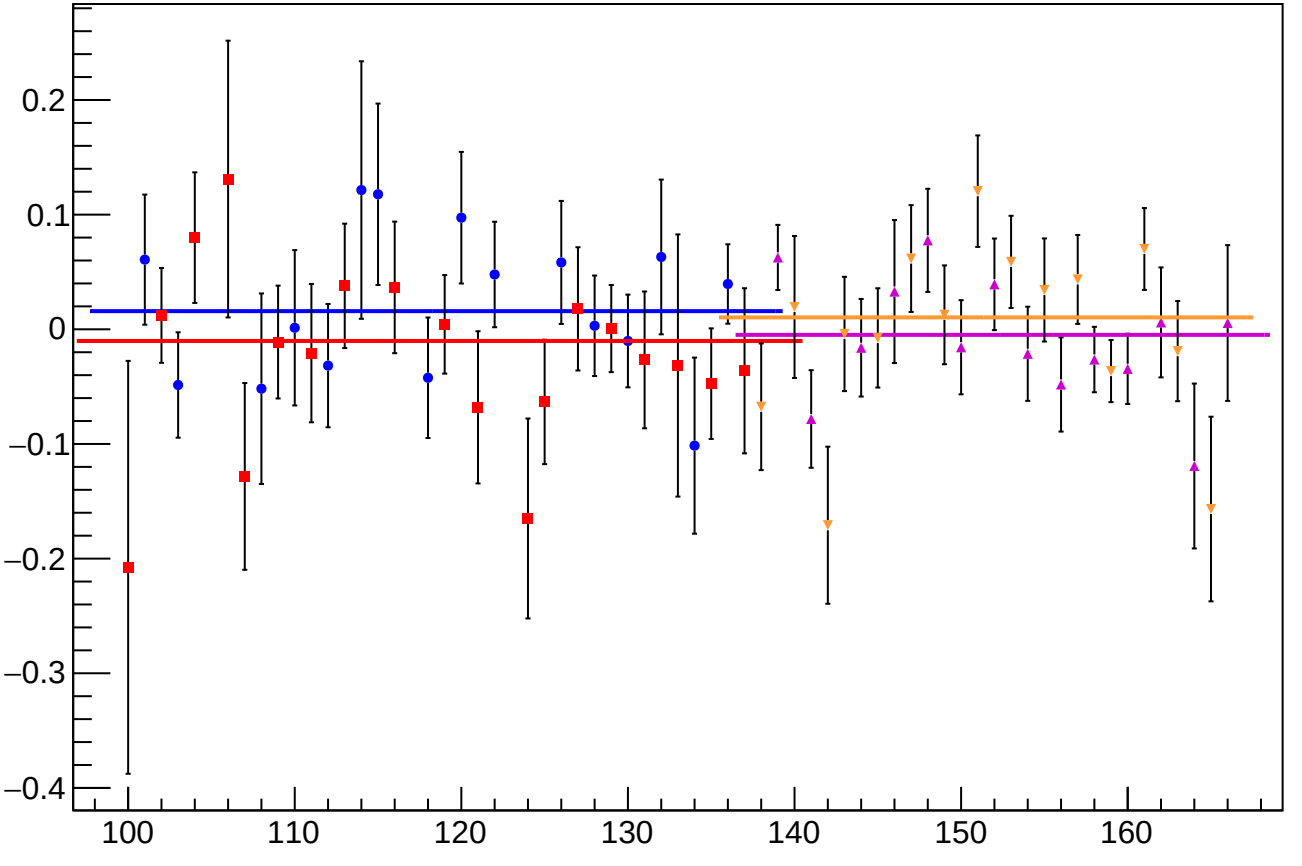
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.446+/-0.006 χ^2/NDF:1411663.1/29

Out: 35.795+/-0.006 χ^2/NDF:1666028.6/33

All: 35.103+/-0.004 χ^2/NDF: 3102919.7/63

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.002+/-0.008 χ^2/NDF: 48.7/28

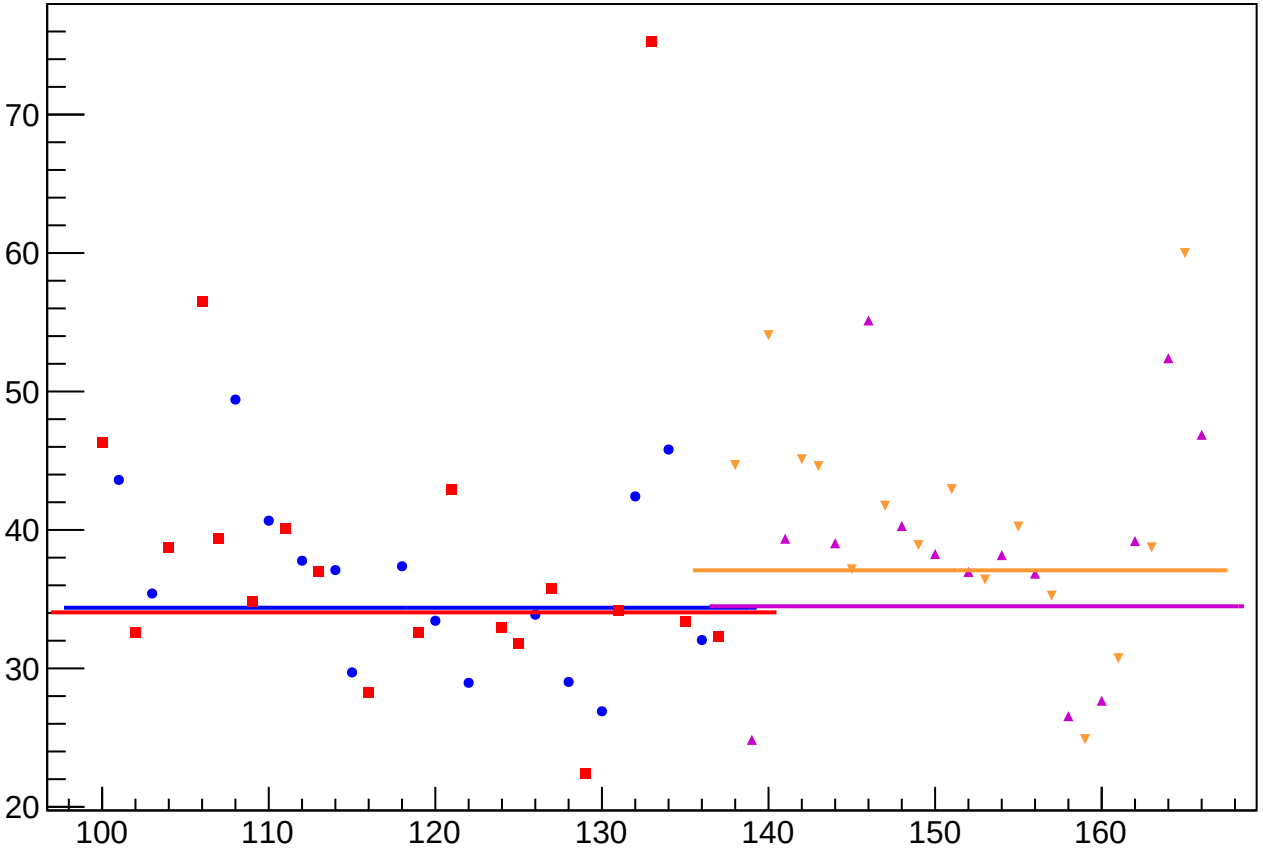
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/63

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.086+/-0.008 χ^2/NDF:962420.3/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.487+/-0.008 χ^2/NDF:1043705.3/13

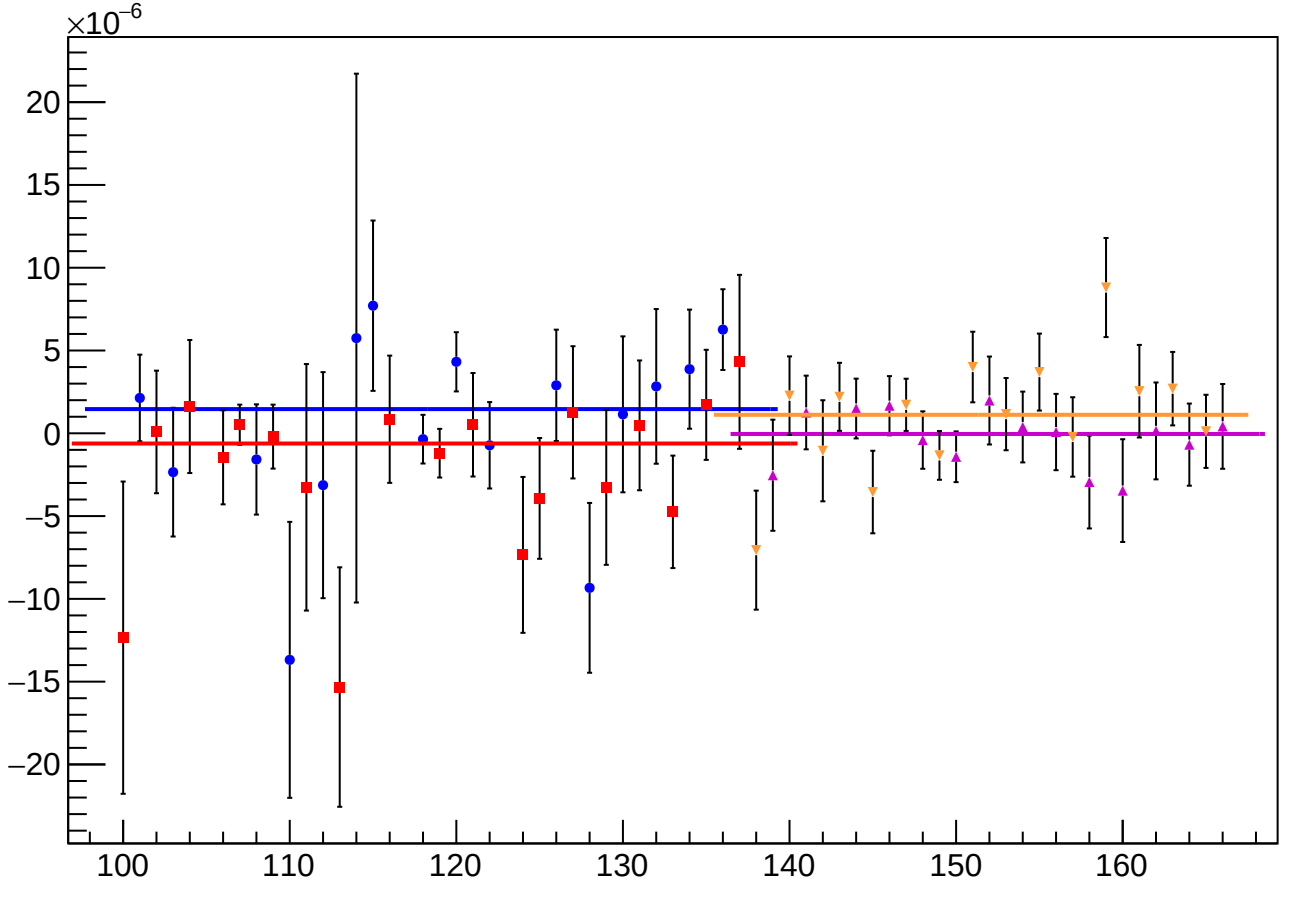
Left: 35.717+/-0.006 χ^2/NDF: 2061389.6/28

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.446+/-0.006 χ^2/NDF:1411663.1/29

Out: 35.795+/-0.006 χ^2/NDF:1666028.6/33

All: 35.103+/-0.004 χ^2/NDF: 3102919.7/63



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/13

Left: 0.000+/-0.000 χ^2/NDF: 31.9/28

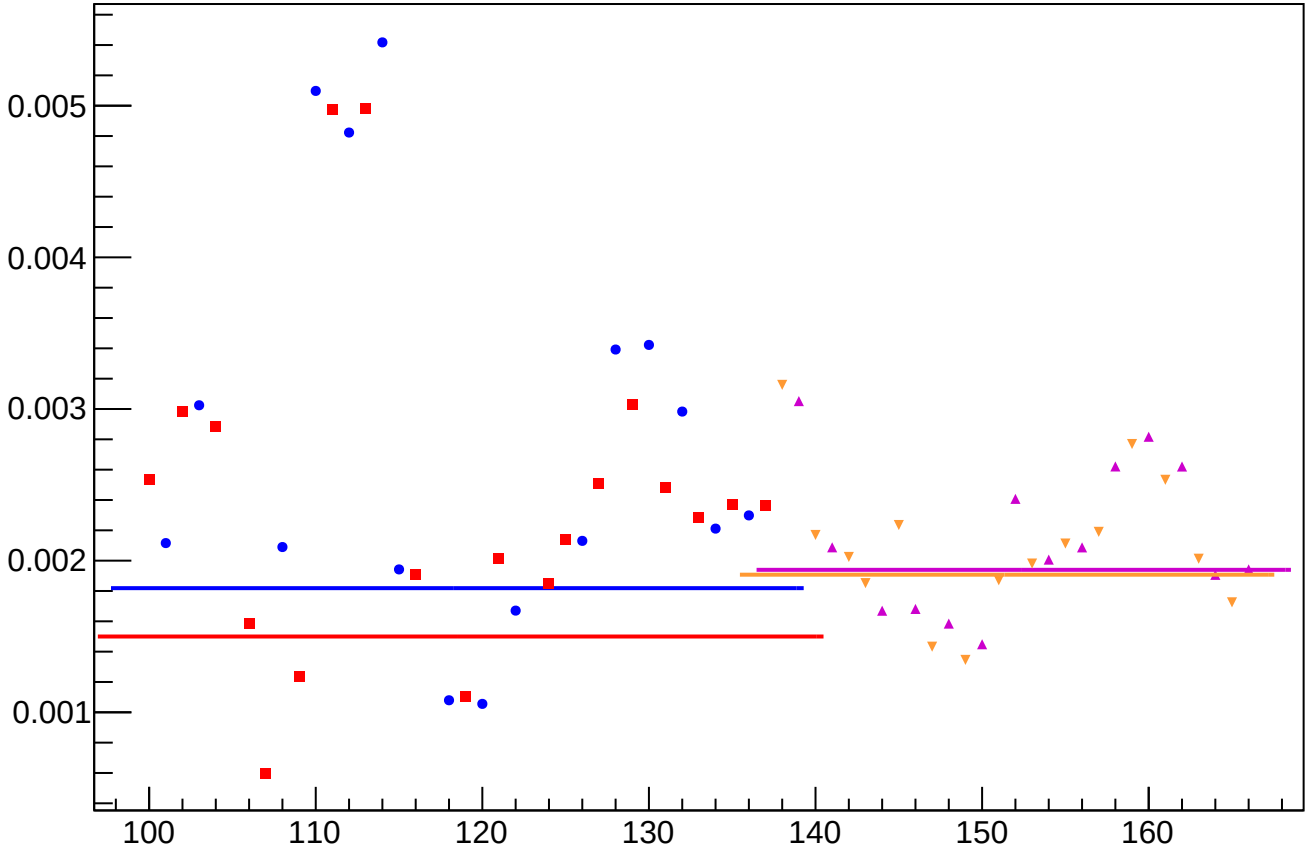
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.8/29

Out: 0.000+/-0.000 χ^2/NDF:41.5/33

All: 0.000+/-0.000 χ^2/NDF: 71.4/63

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108754.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1063125.2/13

Left: 0.002+/-0.000 χ^2/NDF: 2174927.9/28

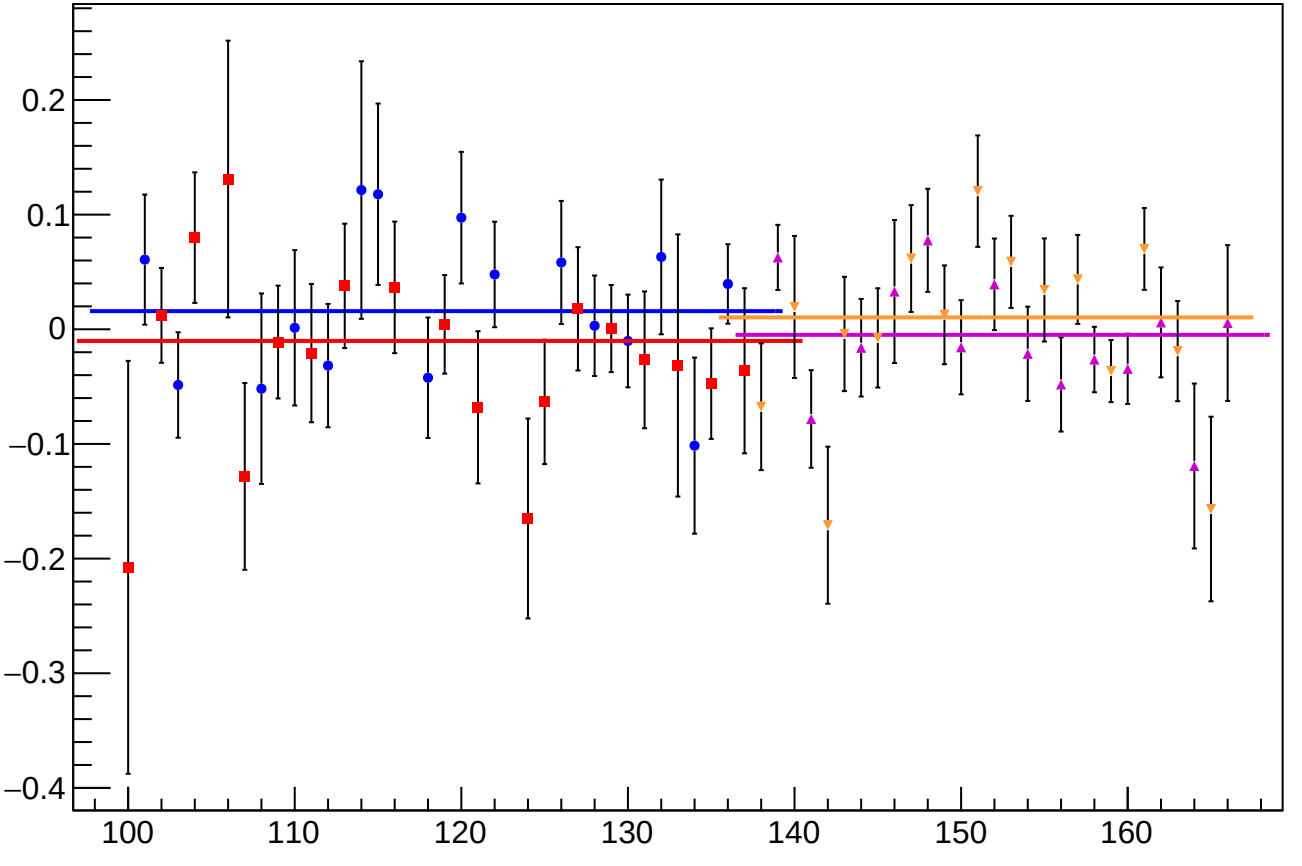
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3665343.7/29

Out: 0.002+/-0.000 χ^2/NDF:5244713.0/33

All: 0.002+/-0.000 χ^2/NDF: 9046747.1/63

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.002+/-0.008 χ^2/NDF: 48.7/28

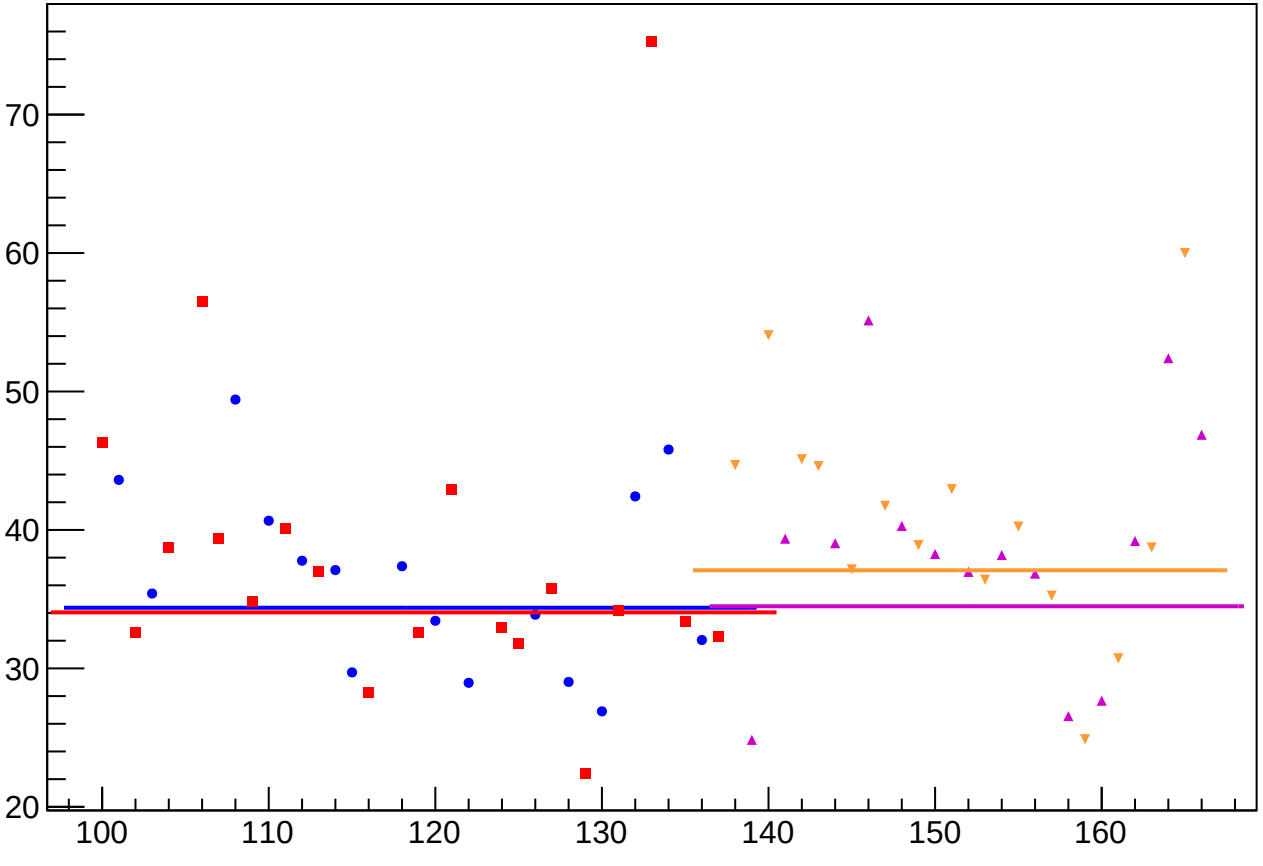
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/63

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.087+/-0.008 χ^2/NDF:962485.0/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.487+/-0.008 χ^2/NDF:1043781.5/13

Left: 35.717+/-0.006 χ^2/NDF: 2061529.8/28

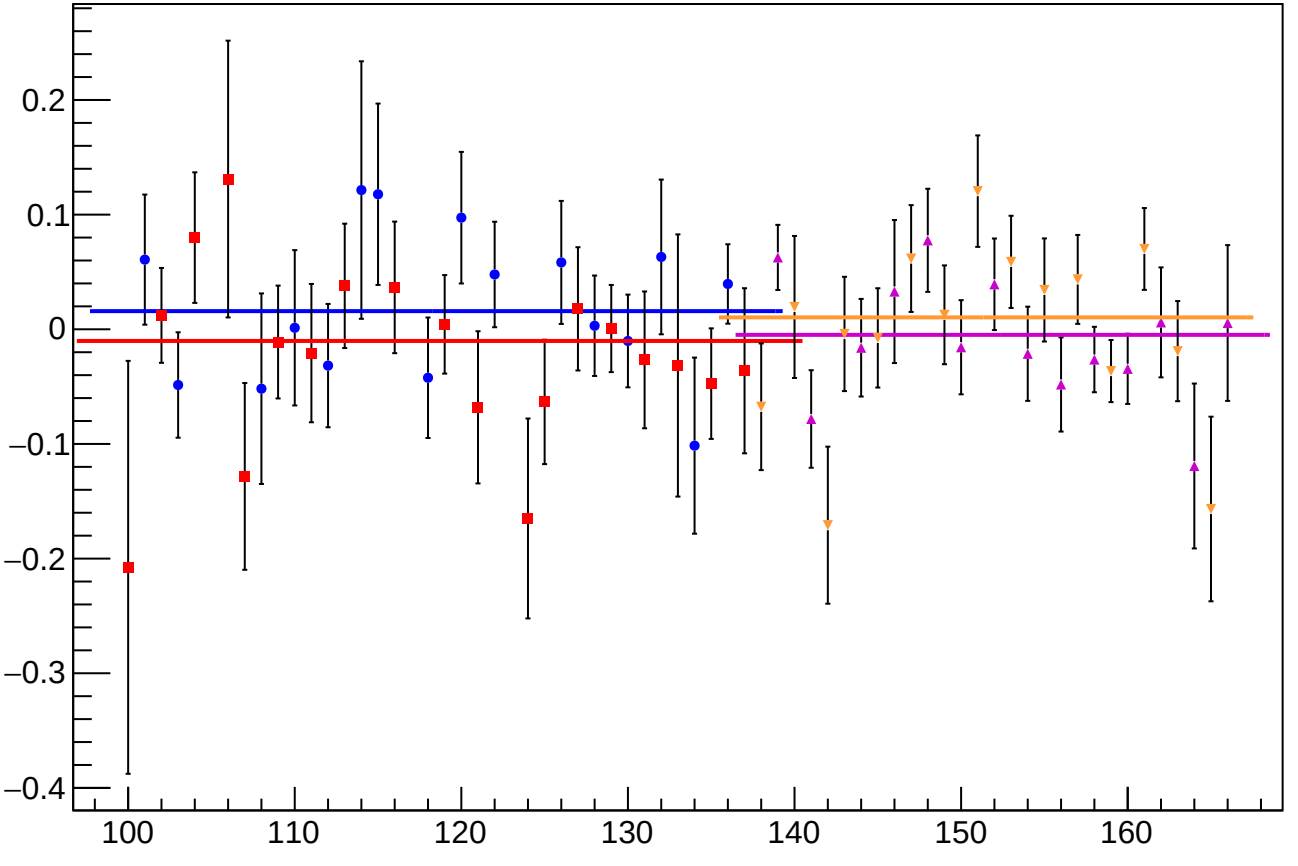
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.446+/-0.006 χ^2/NDF:1411798.0/29

Out: 35.795+/-0.006 χ^2/NDF:1666167.9/33

All: 35.103+/-0.004 χ^2/NDF: 3103195.5/63

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/13

Left: 0.002+/-0.008 χ^2/NDF: 48.7/28

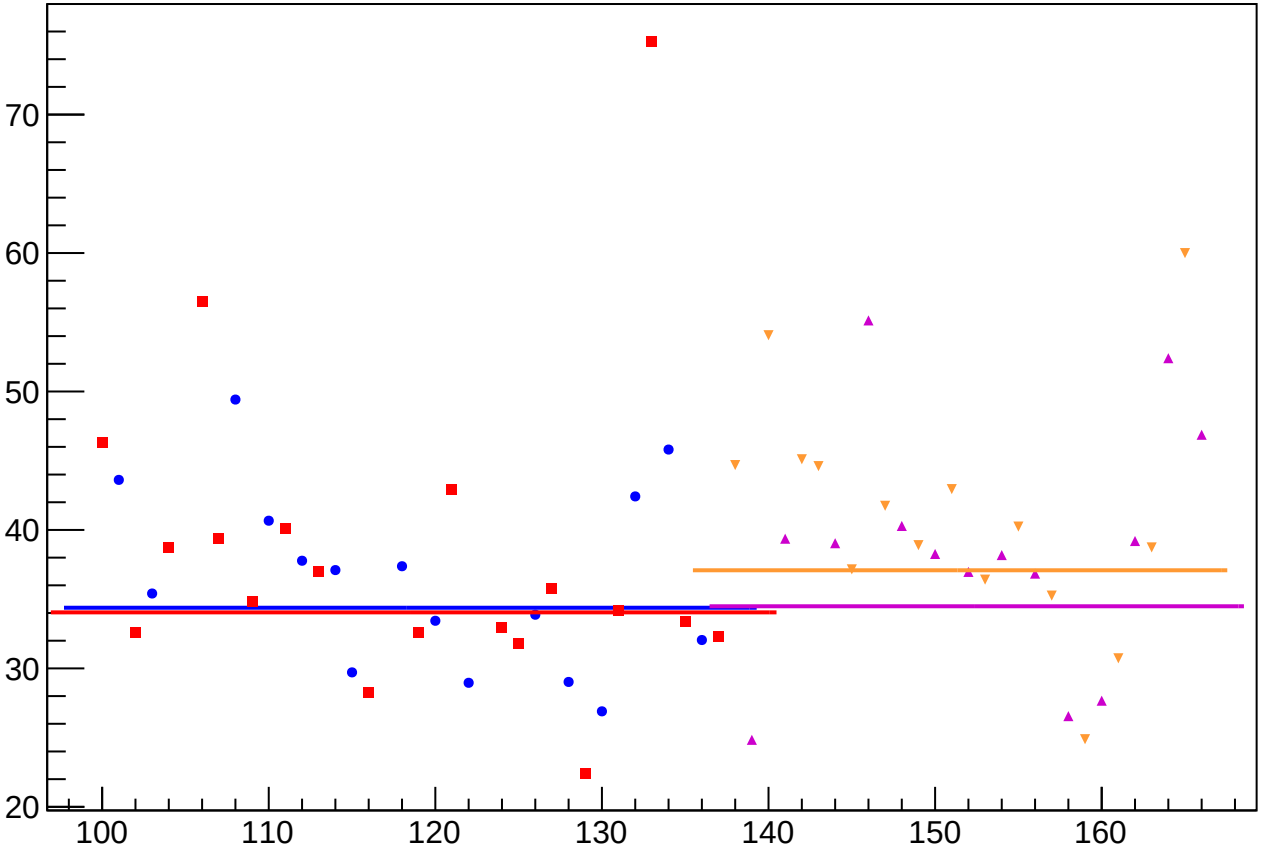
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/29

Out: 0.002+/-0.009 χ^2/NDF:45.1/33

All: 0.002+/-0.006 χ^2/NDF: 80.5/63

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.087+/-0.008 χ^2/NDF:962485.0/14

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.487+/-0.008 χ^2/NDF:1043781.5/13

Left: 35.717+/-0.006 χ^2/NDF: 2061529.8/28

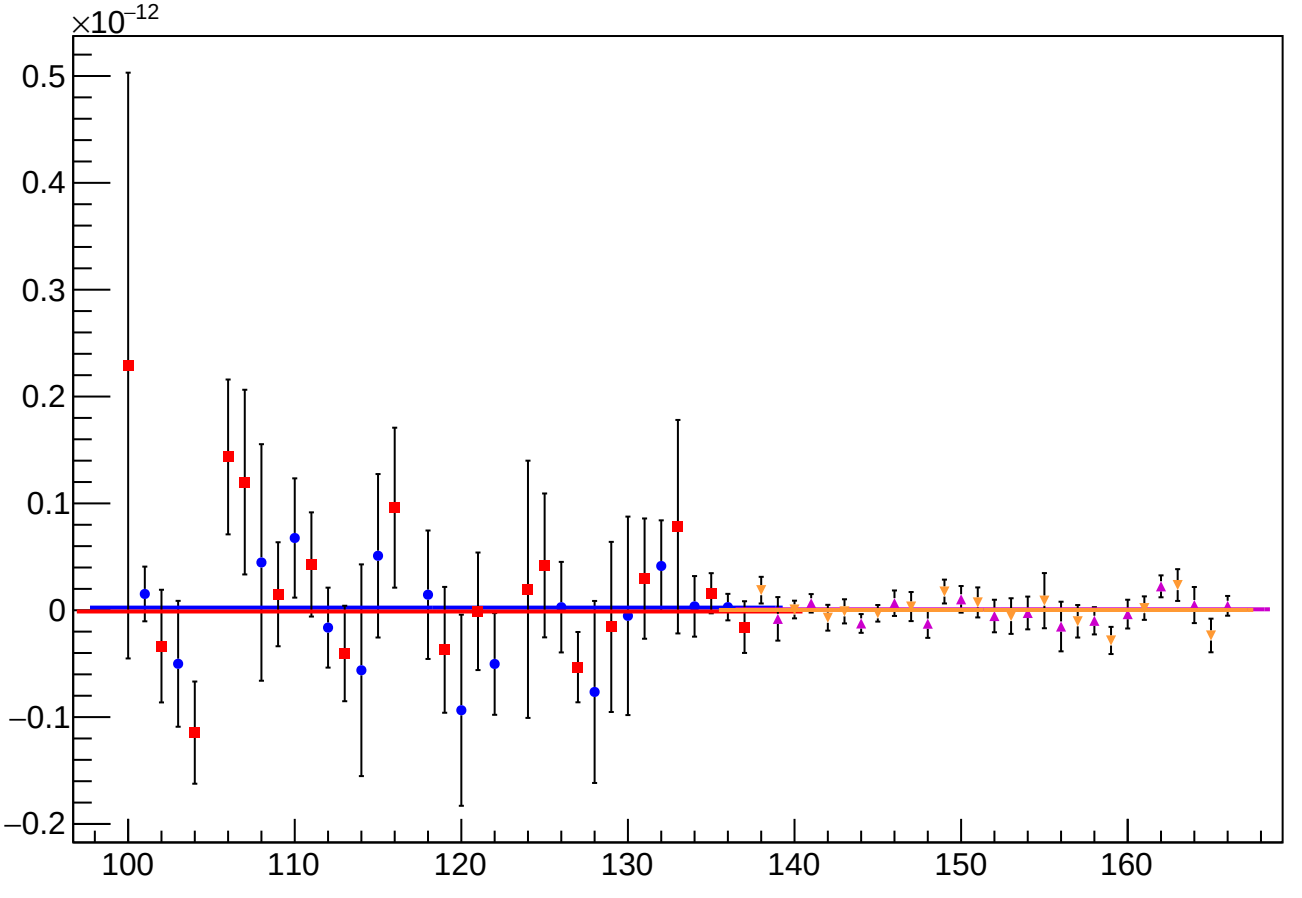
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.446+/-0.006 χ^2/NDF:1411798.0/29

Out: 35.795+/-0.006 χ^2/NDF:1666167.9/33

All: 35.103+/-0.004 χ^2/NDF: 3103195.5/63

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/13

Left: 0.000+/-0.000 χ^2/NDF: 26.8/28

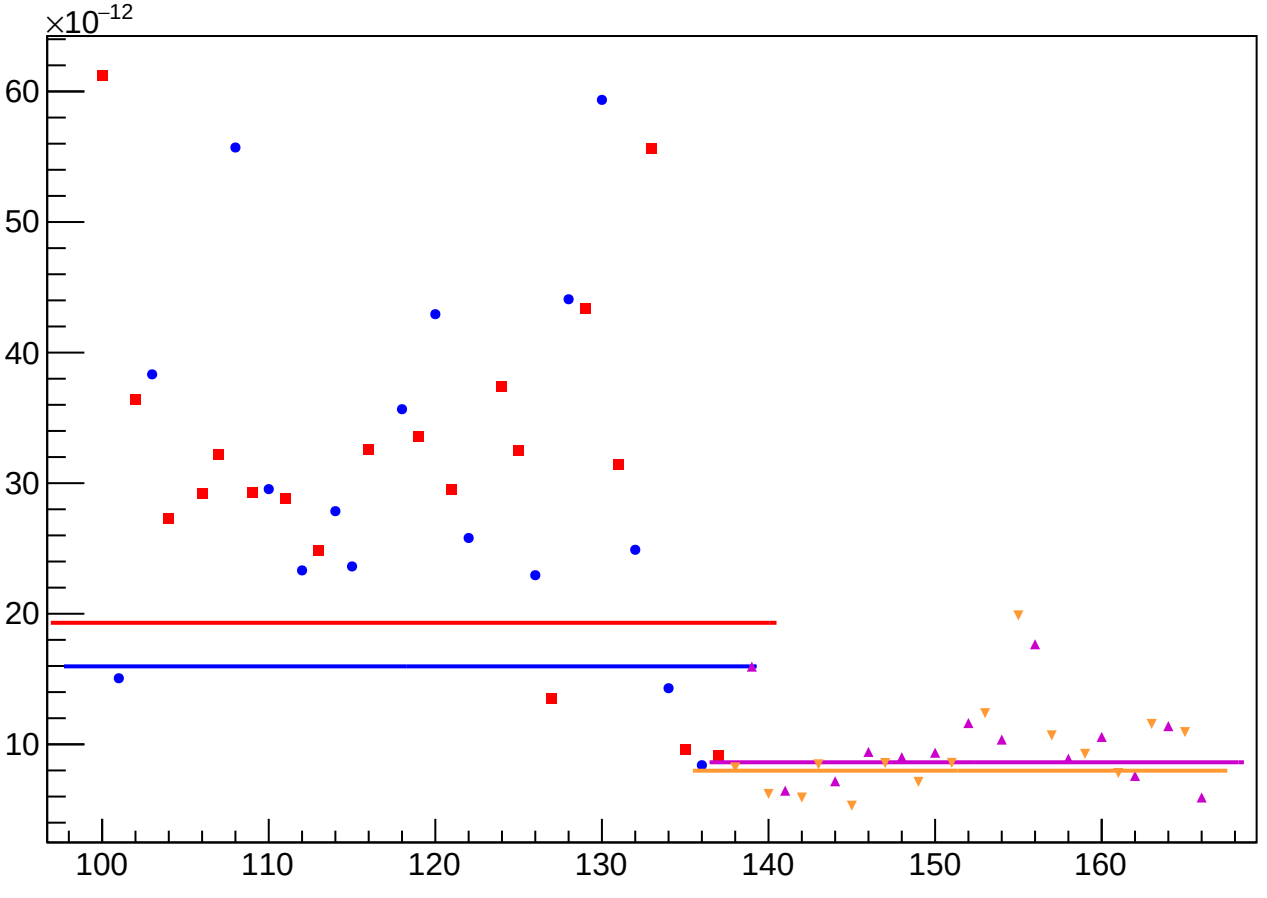
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:18.5/29

Out: 0.000+/-0.000 χ^2/NDF:37.5/33

All: 0.000+/-0.000 χ^2/NDF: 56.1/63

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1247068.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1150770.5/13

Left: 0.000+/-0.000 χ^2/NDF: 2438768.0/28

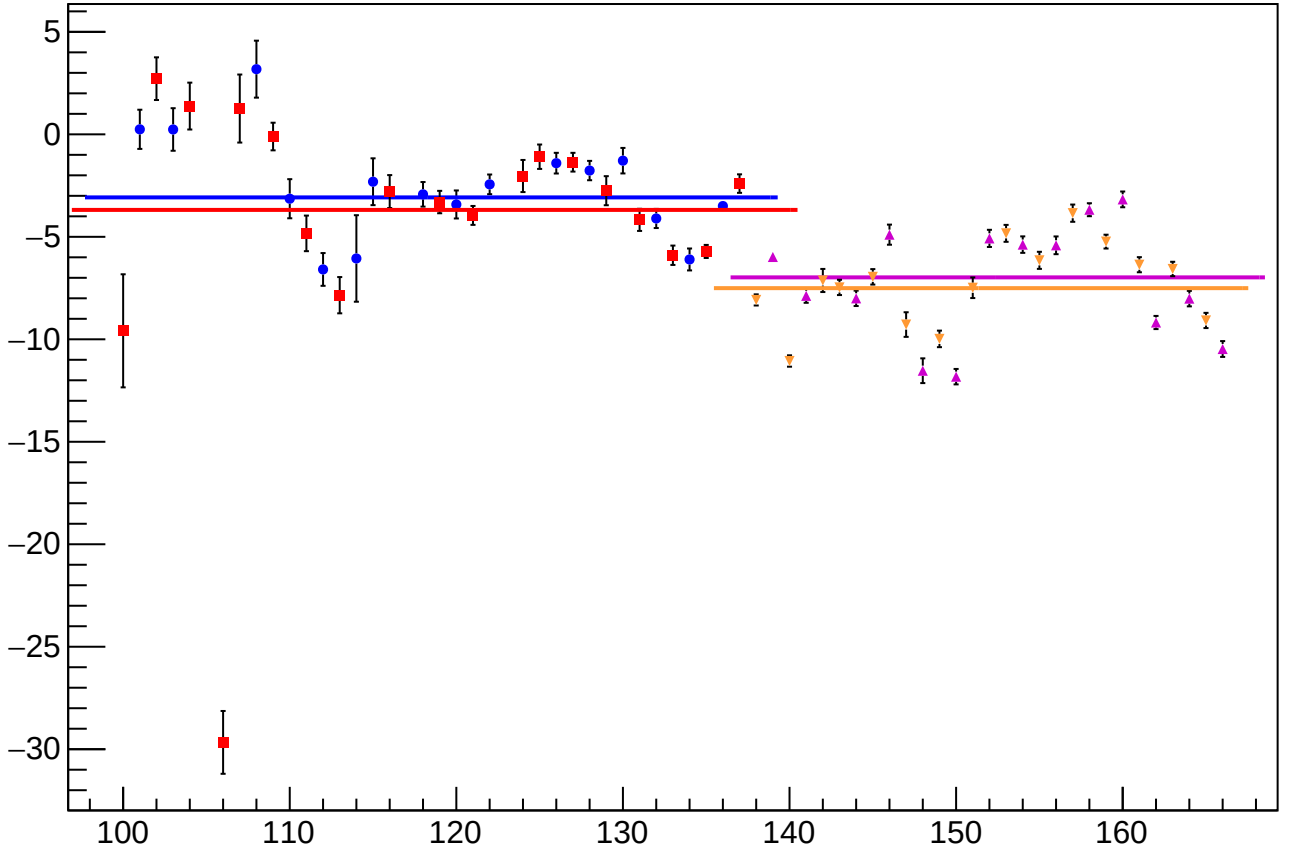
Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5219096.4/29

Out: 0.000+/-0.000 χ^2/NDF:5942120.2/33

All: 0.000+/-0.000 χ^2/NDF: 11197730.8/63

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.504+/-0.097 χ^2/NDF:425.6/14

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.979+/-0.098 χ^2/NDF:664.7/13

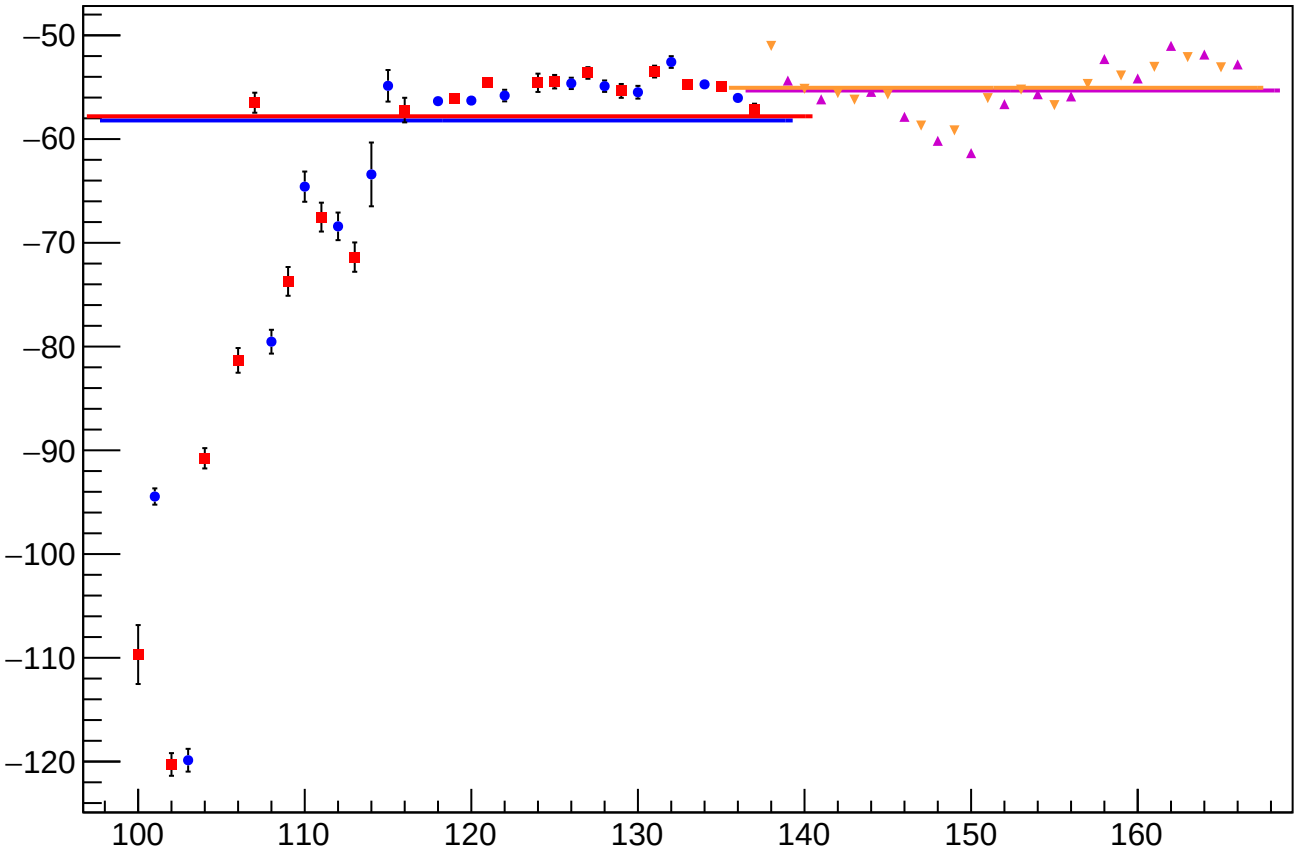
Left: -7.243+/-0.069 χ^2/NDF: 1104.8/28

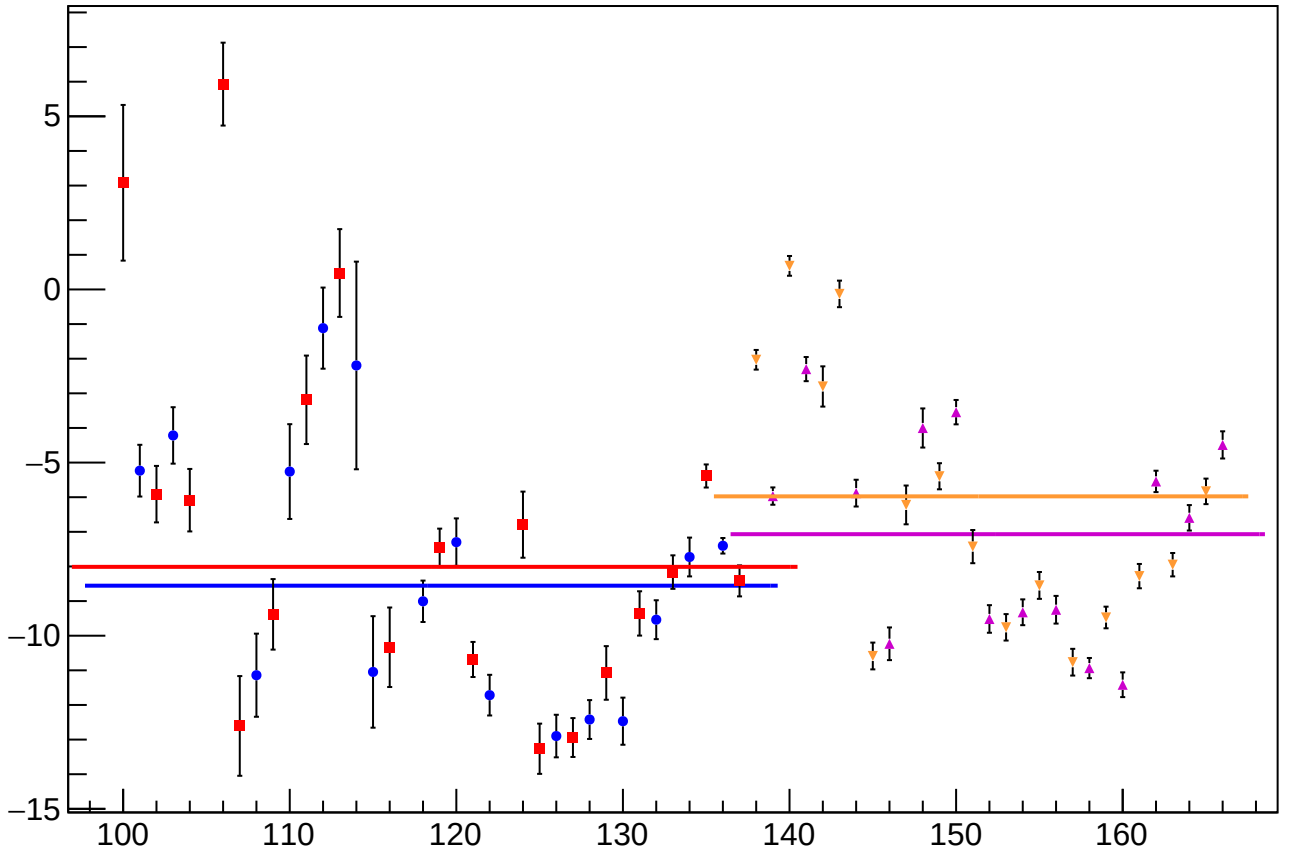
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.638+/-0.079 χ^2/NDF:1345.0/29

Out: -6.263+/-0.080 χ^2/NDF:1460.6/33

All: -5.948+/-0.056 χ^2/NDF: 2836.4/63


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.057+/-0.071 χ²/NDF:926.6/14
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.317+/-0.074 χ²/NDF:1654.9/13
Left: -55.182+/-0.051 χ²/NDF: 2587.9/28
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -55.981+/-0.065 χ²/NDF:8131.2/29
Out: -55.634+/-0.063 χ²/NDF:7030.0/33
All: -55.803+/-0.045 χ²/NDF: 15175.8/63



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.976+/-0.095 χ^2/NDF:1651.0/14

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.068+/-0.095 χ^2/NDF:887.1/13

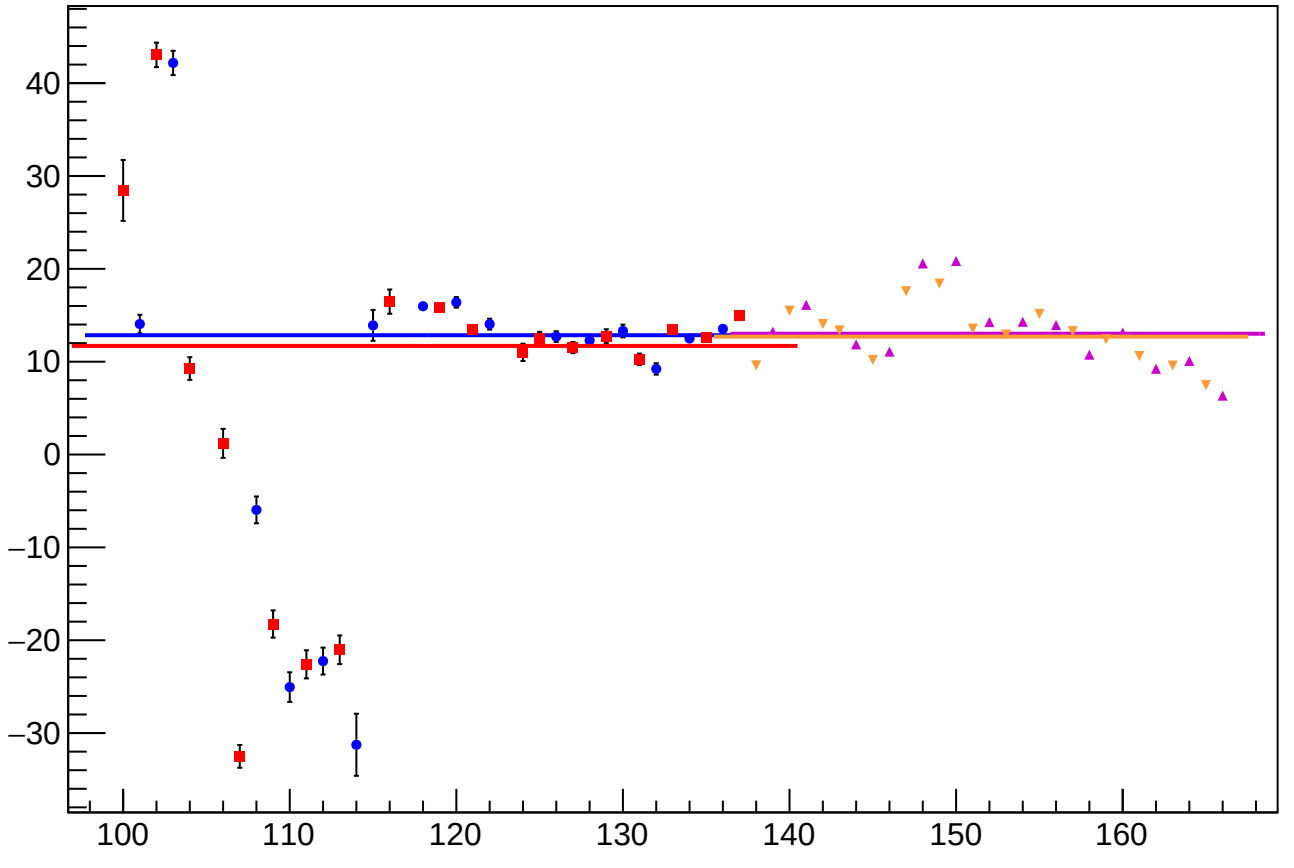
Left: -6.522+/-0.067 χ^2/NDF: 2604.0/28

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.517+/-0.080 χ^2/NDF:1261.5/29

Out: -6.544+/-0.081 χ^2/NDF:2268.1/33

All: -7.038+/-0.057 χ^2/NDF: 3603.3/63



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.699+/-0.081 χ^2/NDF:1281.9/14

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.011+/-0.083 χ^2/NDF:2014.7/13

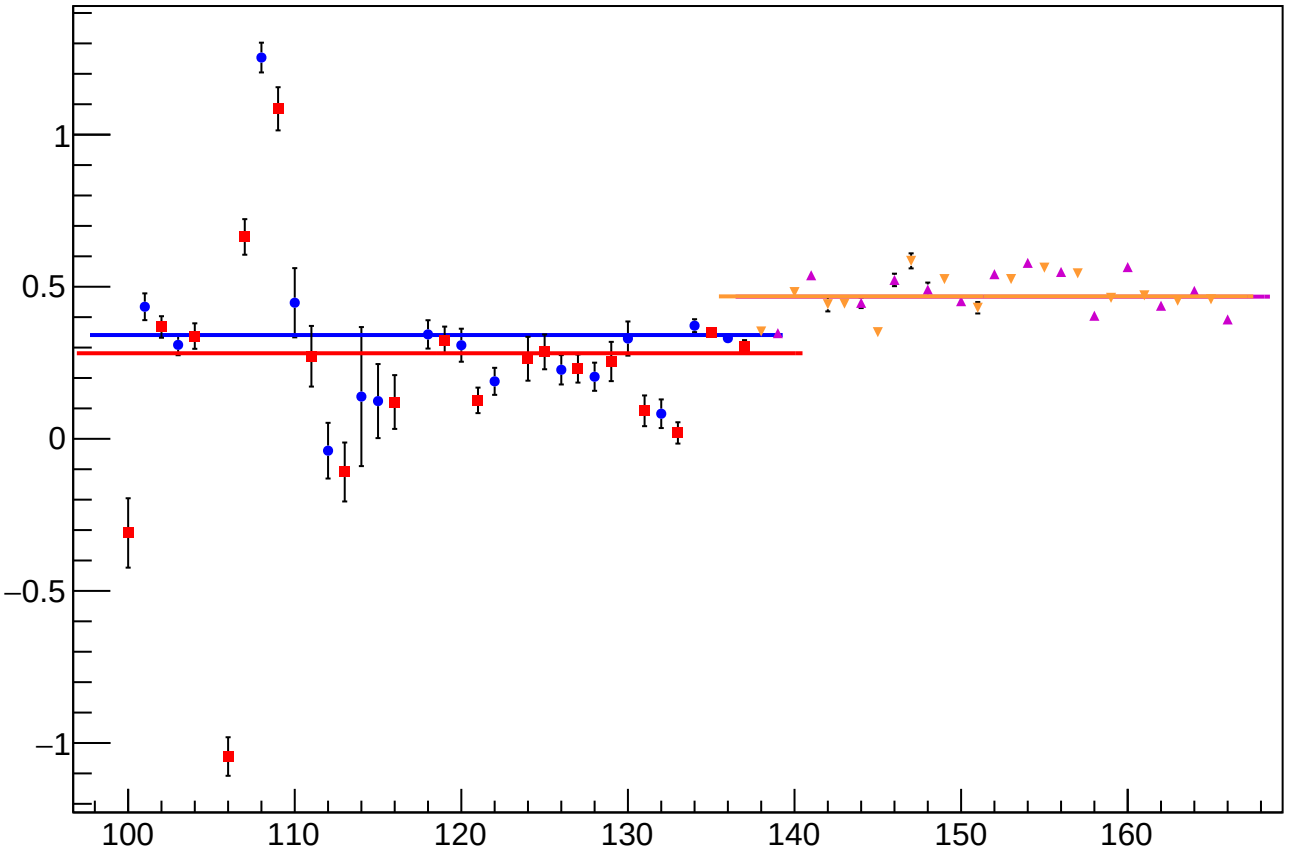
Left: 12.852+/-0.058 χ^2/NDF: 3303.8/28

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.974+/-0.073 χ^2/NDF:4143.9/29

Out: 12.484+/-0.072 χ^2/NDF:4813.3/33

All: 12.727+/-0.051 χ^2/NDF: 8980.3/63



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.468+/-0.004 χ^2/NDF:323.9/14

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.467+/-0.004 χ^2/NDF:489.6/13

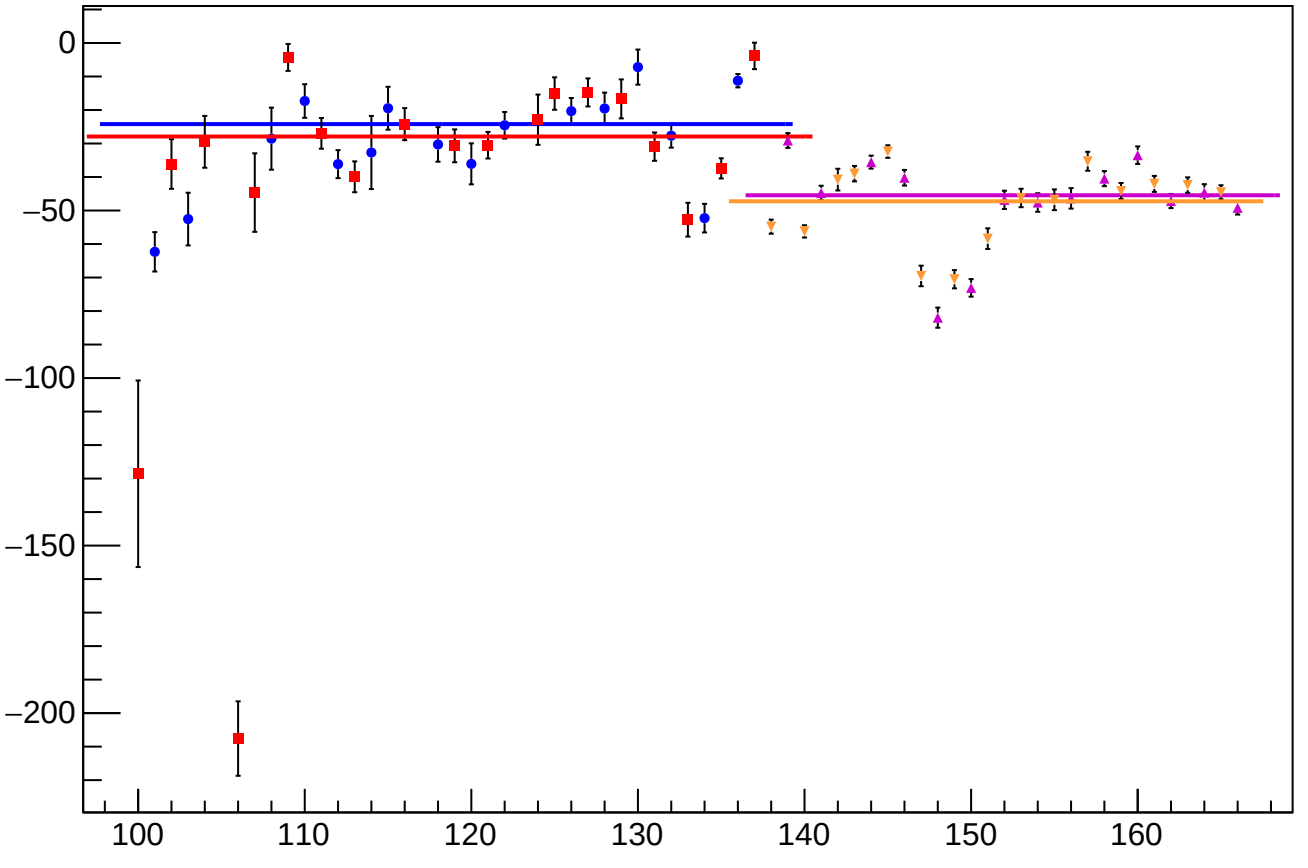
Left: 0.468+/-0.003 χ^2/NDF: 813.5/28

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.446+/-0.003 χ^2/NDF:1138.2/29

Out: 0.440+/-0.003 χ^2/NDF:1514.9/33

All: 0.443+/-0.002 χ^2/NDF: 2655.0/63



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.245+/-0.624 χ^2/NDF:285.3/14

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.445+/-0.636 χ^2/NDF:376.2/13

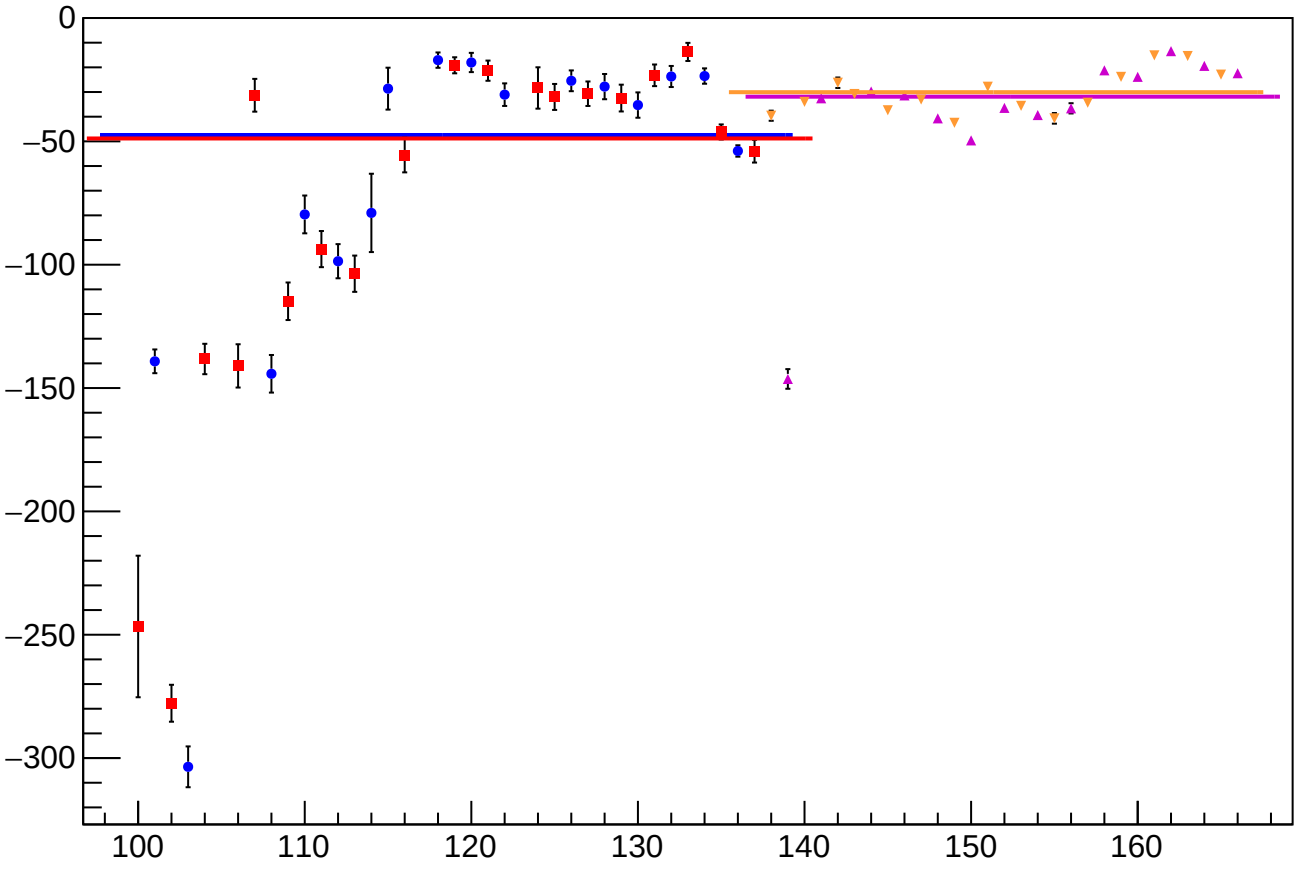
Left: -46.361+/-0.445 χ^2/NDF: 665.6/28

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -40.027+/-0.549 χ^2/NDF:831.7/29

Out: -42.767+/-0.547 χ^2/NDF:921.0/33

All: -41.401+/-0.387 χ^2/NDF: 1765.2/63



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.064+/-0.441 χ^2/NDF:350.6/14

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.888+/-0.453 χ^2/NDF:1267.1/13

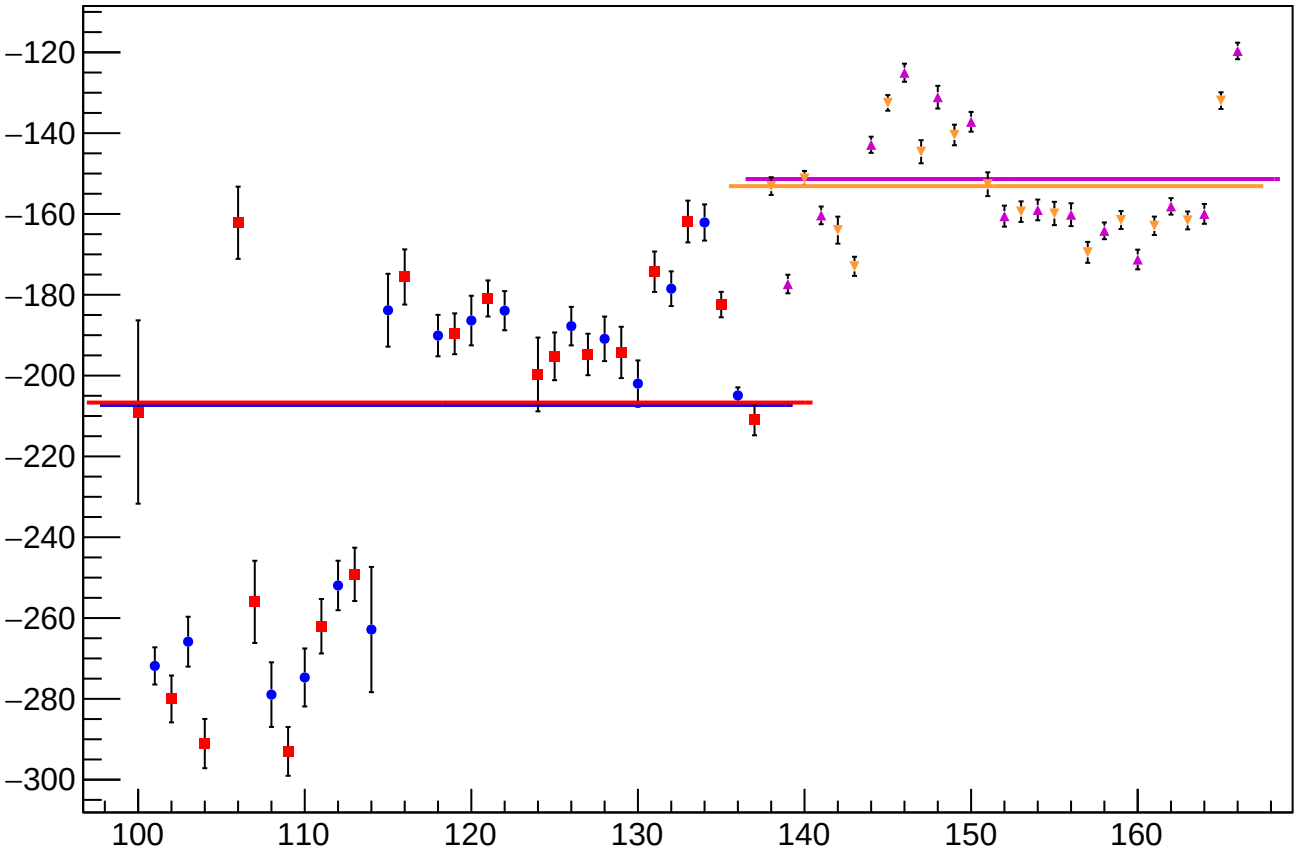
Left: -30.952+/-0.316 χ^2/NDF: 1626.1/28

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -34.135+/-0.419 χ^2/NDF:3310.9/29

Out: -32.356+/-0.413 χ^2/NDF:2346.4/33

All: -33.233+/-0.294 χ^2/NDF: 5666.4/63



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -153.124+/-0.612 χ^2/NDF:432.6/14

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -151.357+/-0.618 χ^2/NDF:786.0/13

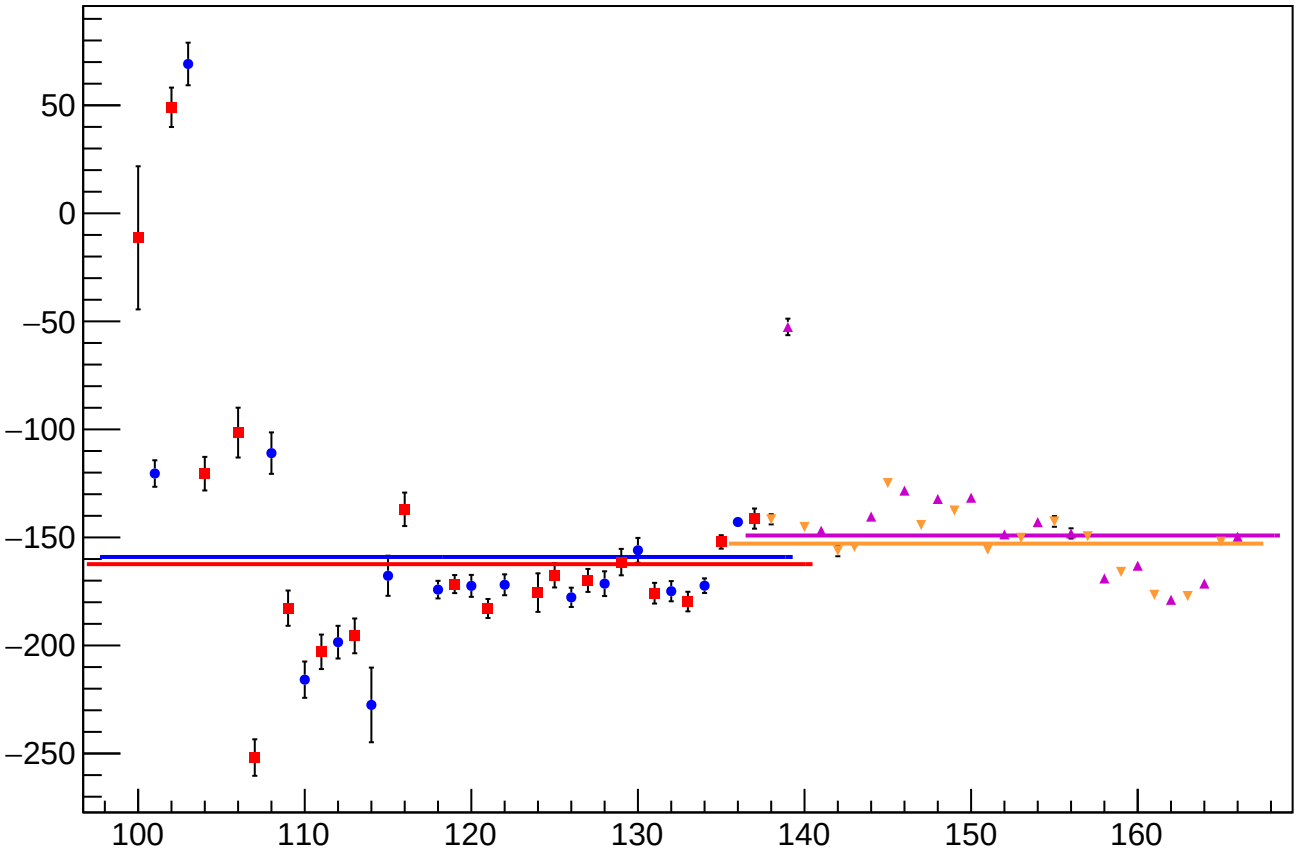
Left: -152.250+/-0.435 χ^2/NDF: 1222.8/28

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -163.431+/-0.548 χ^2/NDF:3299.6/29

Out: -163.088+/-0.552 χ^2/NDF:2827.8/33

All: -163.261+/-0.389 χ^2/NDF: 6127.6/63



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -152.866+/-0.508 χ^2/NDF:844.4/14

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -149.107+/-0.518 χ^2/NDF:1602.7/13

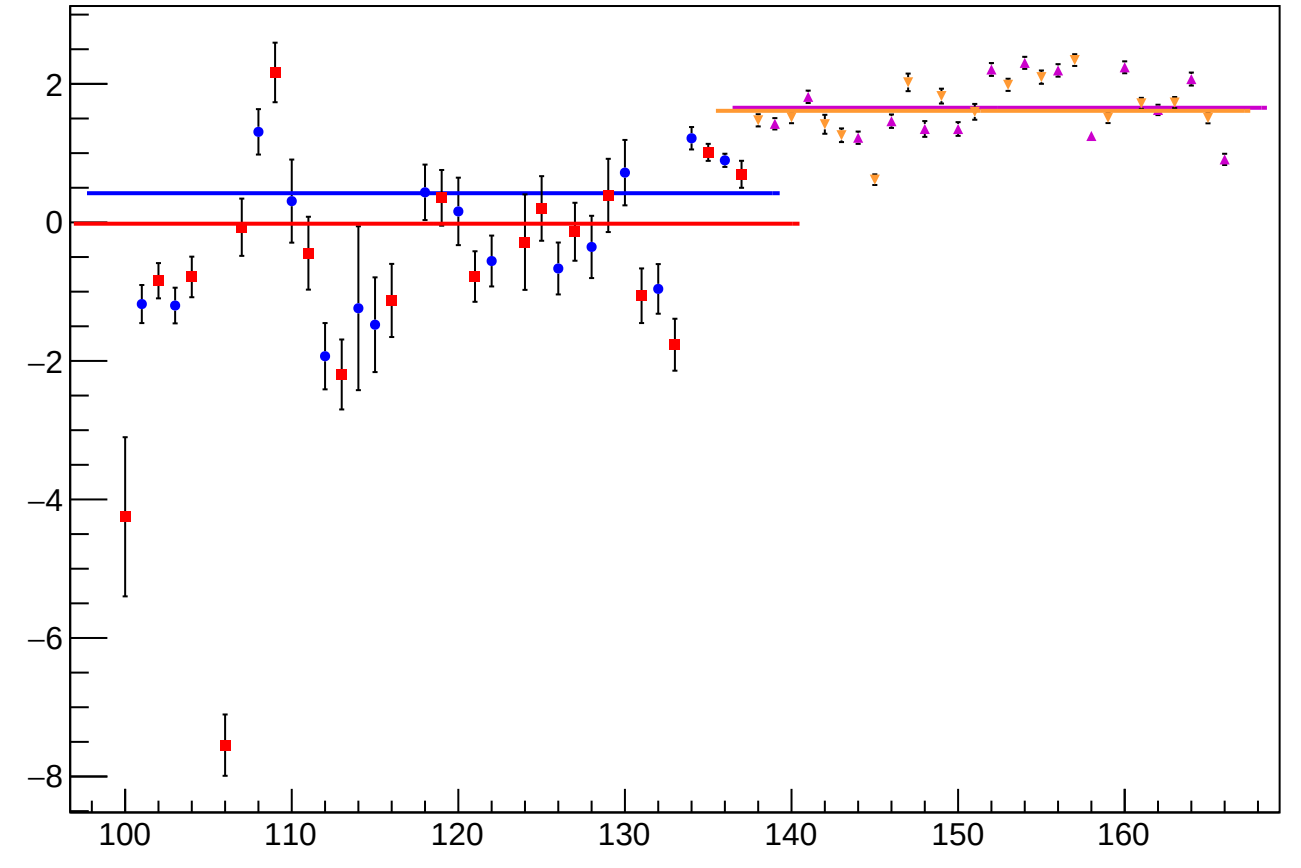
Left: -151.024+/-0.363 χ^2/NDF: 2473.9/28

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -150.616+/-0.477 χ^2/NDF:2474.3/29

Out: -154.087+/-0.475 χ^2/NDF:1761.9/33

All: -152.362+/-0.337 χ^2/NDF: 4262.7/63



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.611+/-0.023 χ^2/NDF:327.0/14

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.655+/-0.023 χ^2/NDF:363.9/13

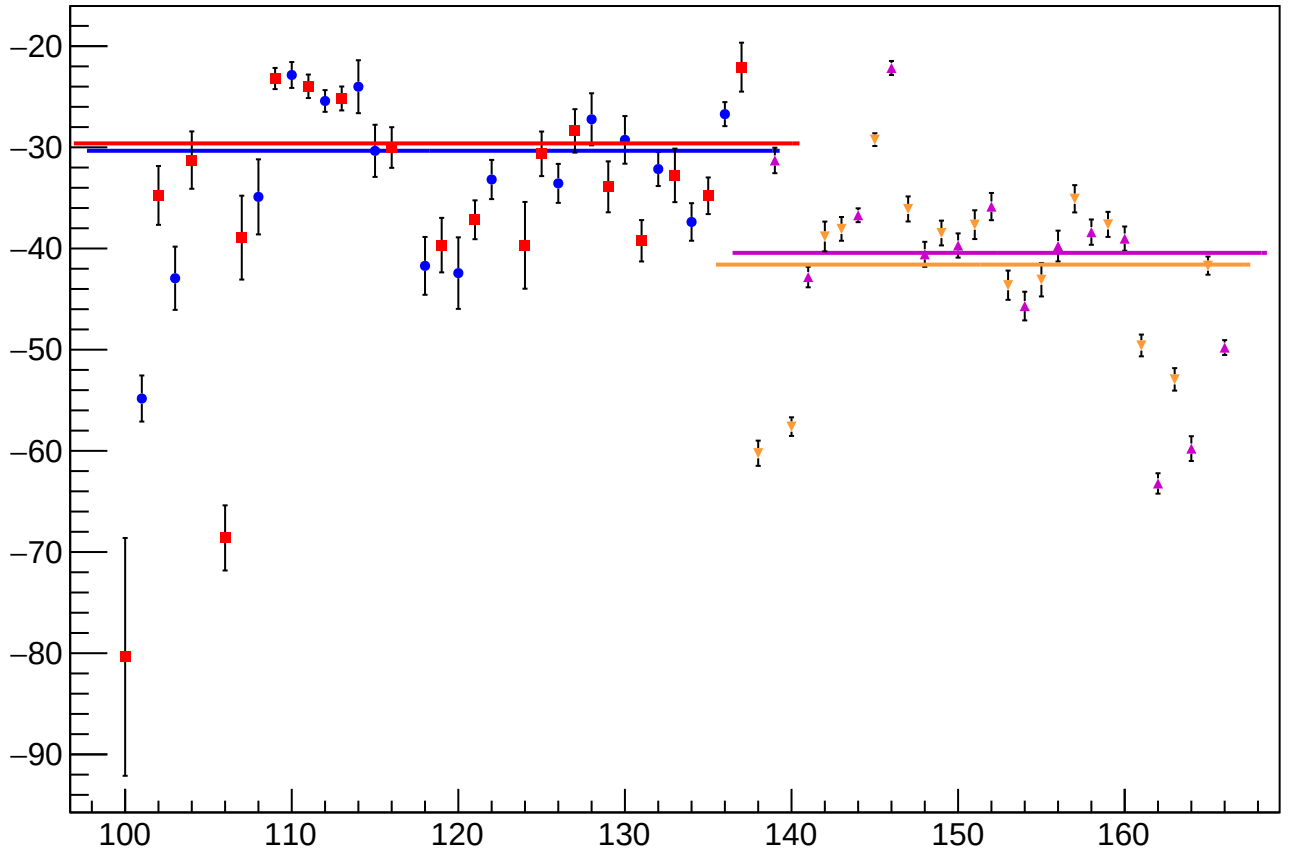
Left: 1.633+/-0.016 χ^2/NDF: 692.6/28

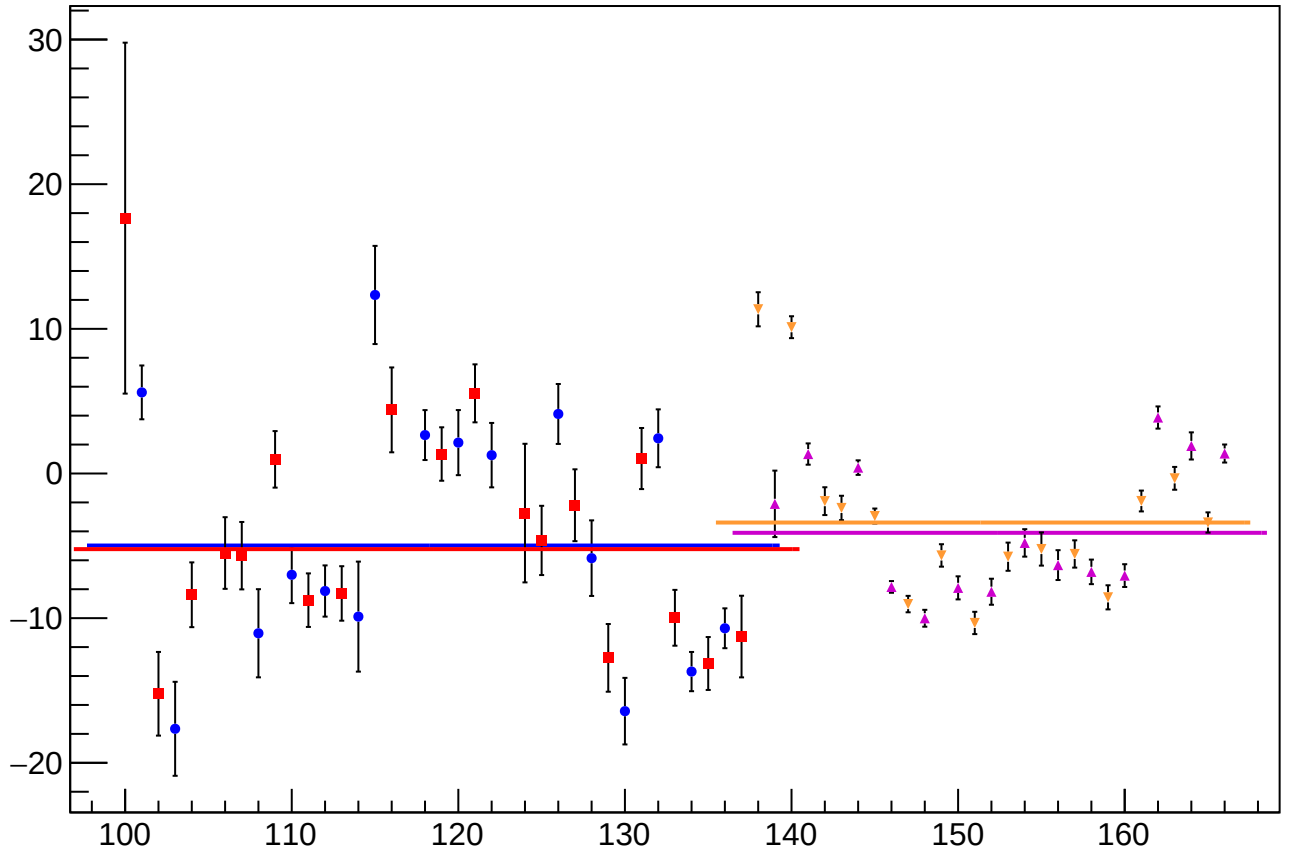
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

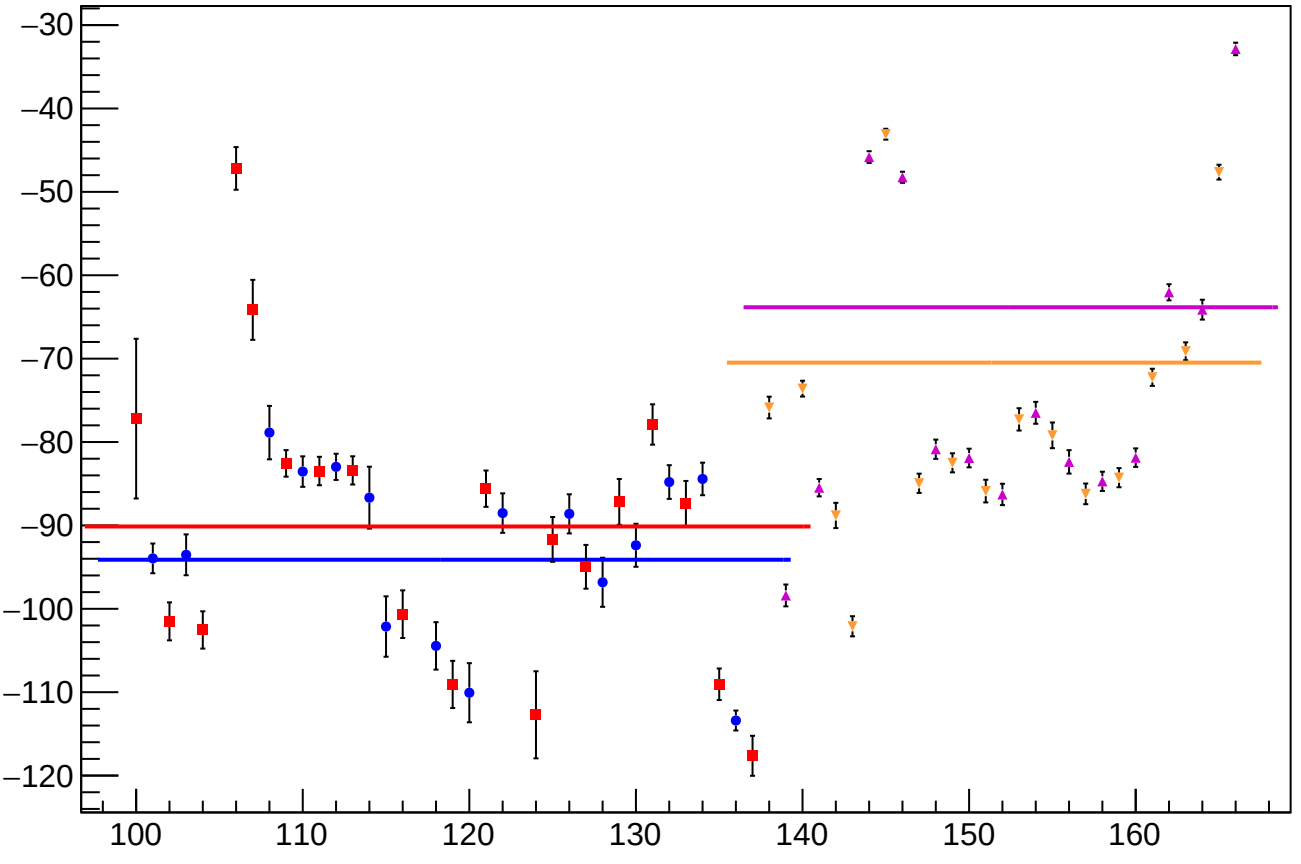
In: 1.513+/-0.022 χ^2/NDF:881.9/29

Out: 1.458+/-0.022 χ^2/NDF:1275.5/33

All: 1.486+/-0.016 χ^2/NDF: 2160.4/63


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -41.591+/-0.285 χ²/NDF:1150.3/14
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -40.431+/-0.272 χ²/NDF:1738.5/13
Left: -40.984+/-0.197 χ²/NDF: 2897.4/28
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.879+/-0.235 χ²/NDF:2339.6/29
Out: -38.162+/-0.241 χ²/NDF:1984.2/33
All: -38.017+/-0.168 χ²/NDF: 4324.5/63


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -3.390+/-0.200 χ²/NDF:738.9/14
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -4.100+/-0.188 χ²/NDF:622.6/13
Left: -3.766+/-0.137 χ²/NDF: 1368.2/28
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -4.205+/-0.176 χ²/NDF:862.5/29
Out: -3.623+/-0.187 χ²/NDF:886.2/33
All: -3.931+/-0.128 χ²/NDF: 1753.8/63



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.476+/-0.280 χ^2/NDF:4056.0/14

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -63.839+/-0.266 χ^2/NDF:5675.2/13

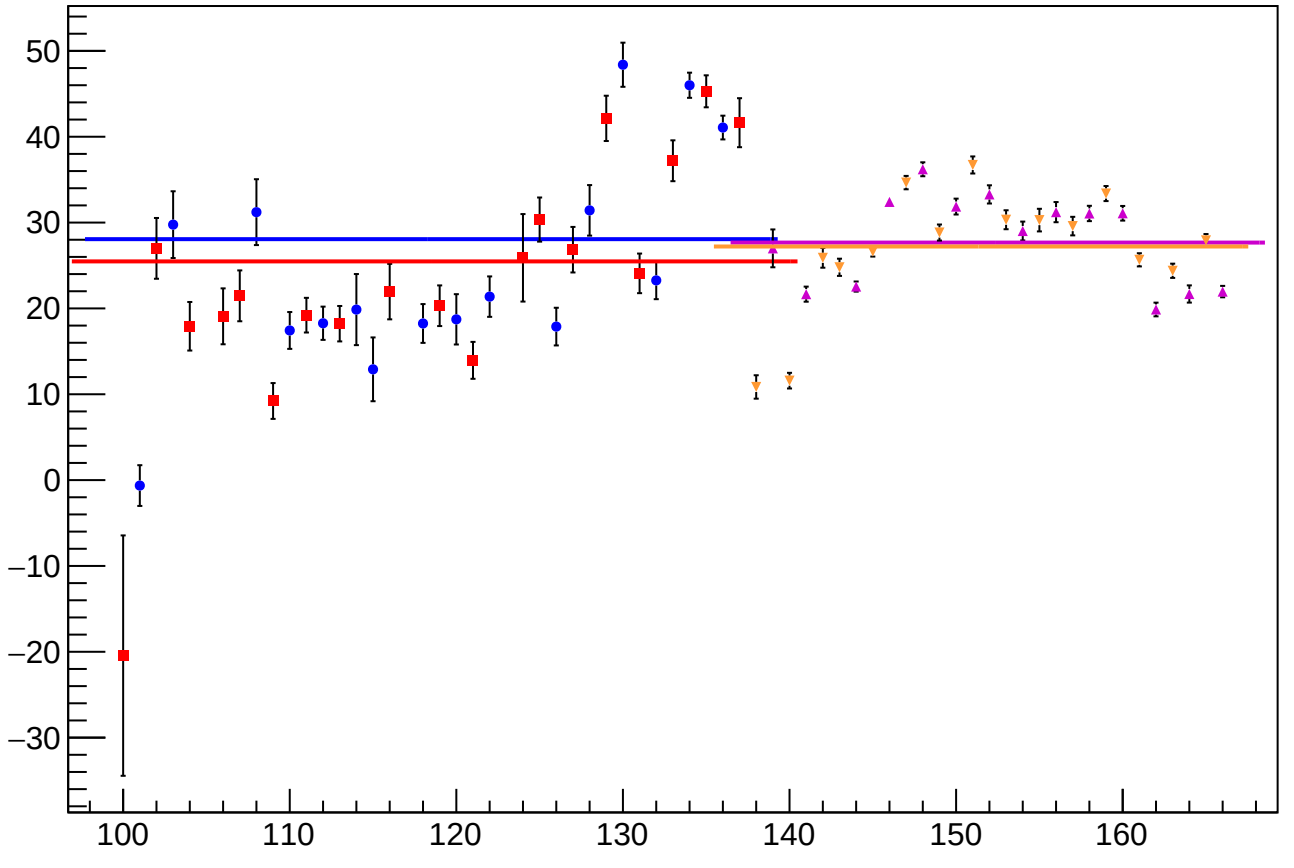
Left: -66.985+/-0.193 χ^2/NDF: 10026.0/28

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -69.809+/-0.238 χ^2/NDF:8693.7/29

Out: -74.614+/-0.249 χ^2/NDF:5879.5/33

All: -72.106+/-0.172 χ^2/NDF: 14767.4/63



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.213+/-0.232 χ^2/NDF:715.2/14

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 27.669+/-0.219 χ^2/NDF:613.0/13

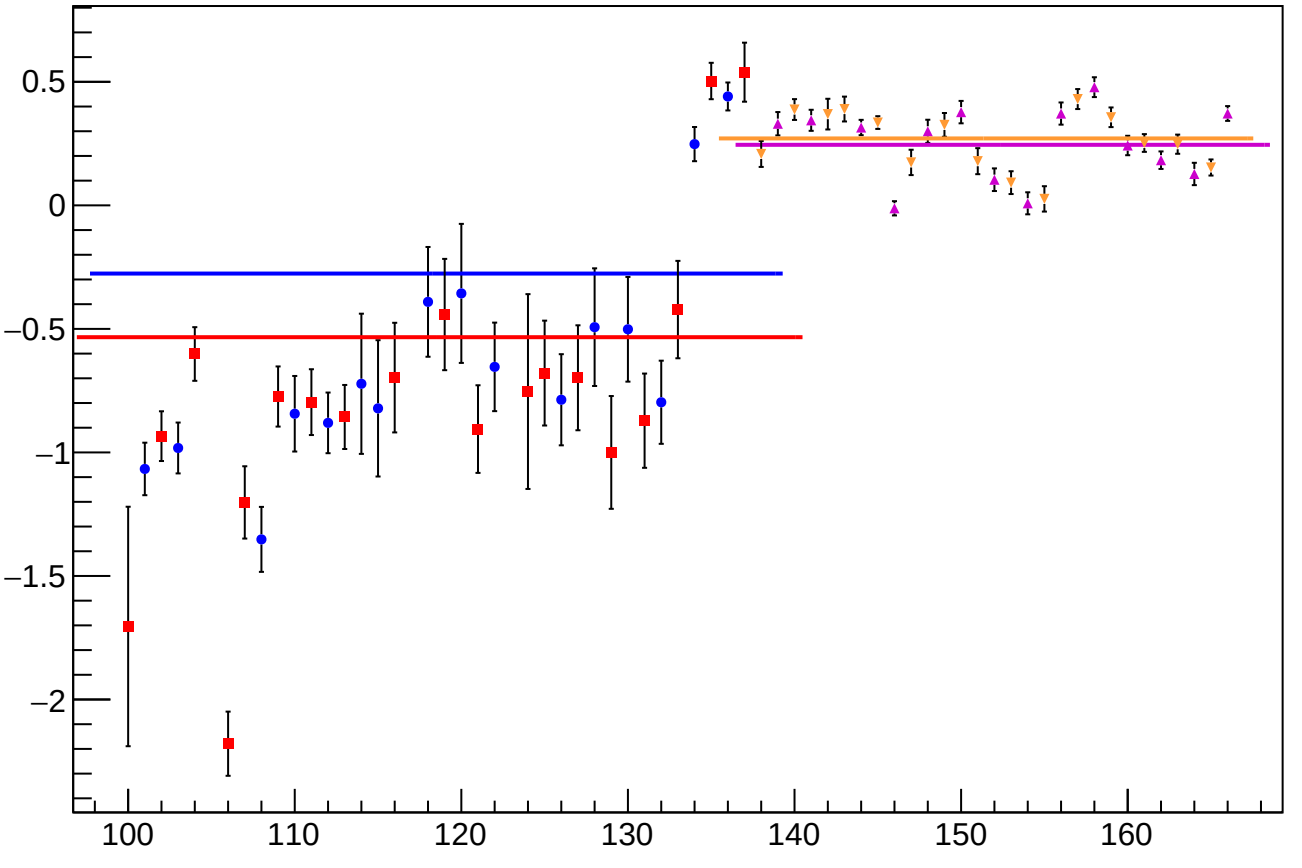
Left: 27.453+/-0.159 χ^2/NDF: 1330.2/28

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 27.721+/-0.205 χ^2/NDF:1196.5/29

Out: 26.981+/-0.216 χ^2/NDF:1077.3/33

All: 27.370+/-0.148 χ^2/NDF: 2280.0/63



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.271+/-0.011 χ^2/NDF:102.9/14

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.245+/-0.010 χ^2/NDF:210.2/13

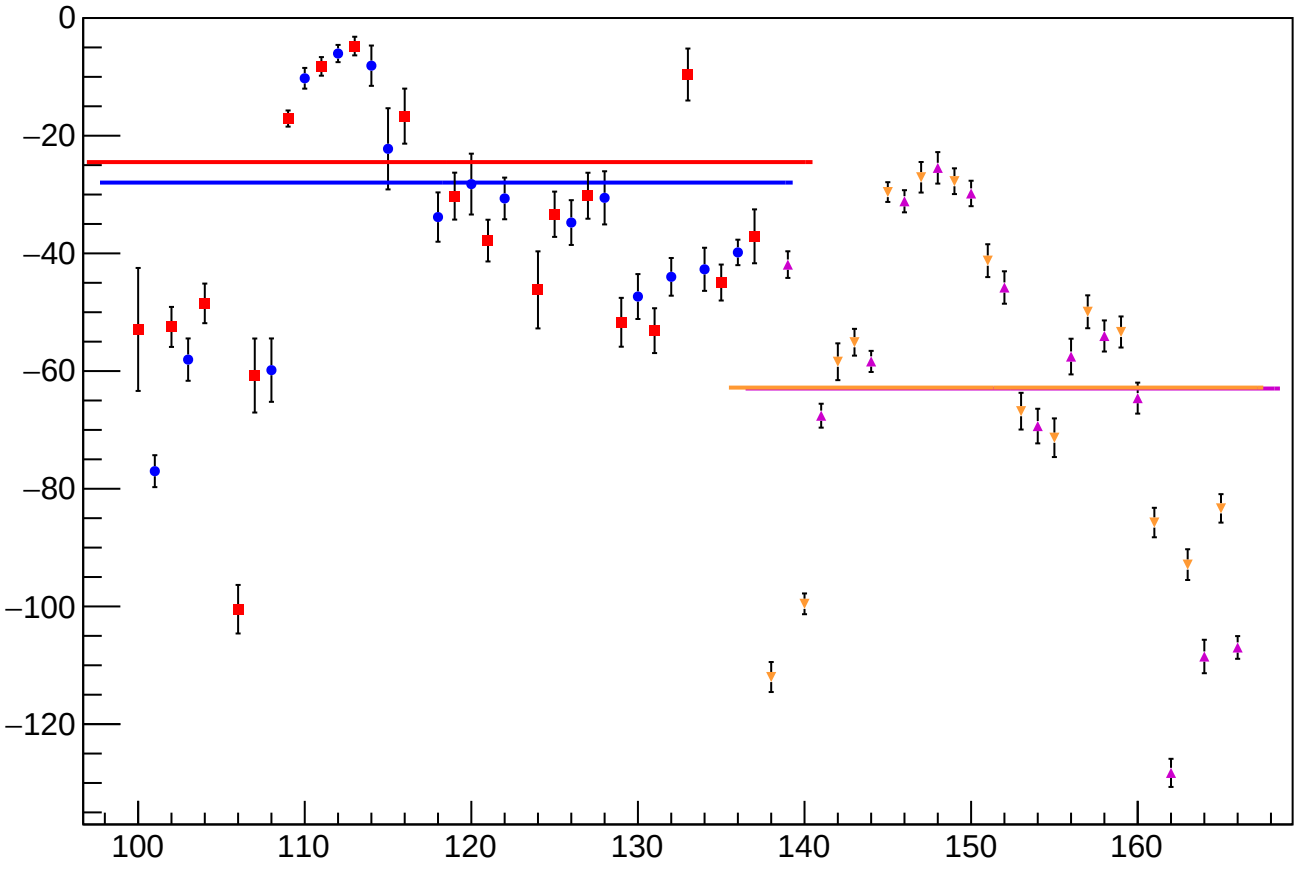
Left: 0.258+/-0.007 χ^2/NDF: 316.1/28

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.192+/-0.010 χ^2/NDF:925.4/29

Out: 0.194+/-0.010 χ^2/NDF:1155.4/33

All: 0.193+/-0.007 χ^2/NDF: 2080.8/63



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -62.808+/-0.626 χ^2/NDF:2047.1/14

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -62.966+/-0.621 χ^2/NDF:2397.5/13

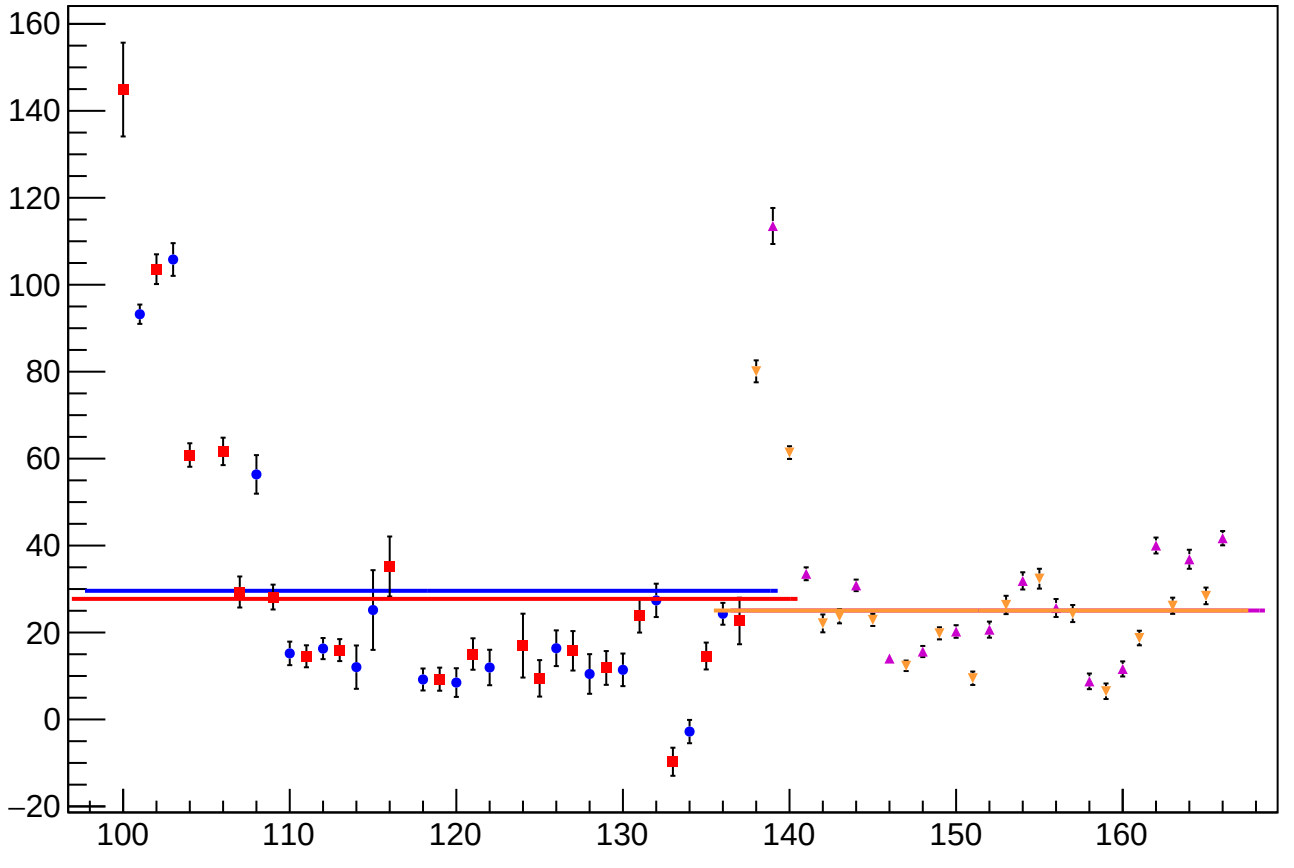
Left: -62.888+/-0.441 χ^2/NDF: 4444.6/28

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -48.221+/-0.472 χ^2/NDF:4631.2/29

Out: -44.747+/-0.455 χ^2/NDF:4804.0/33

All: -46.420+/-0.328 χ^2/NDF: 9463.3/63



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.055+/-0.436 χ^2/NDF:1456.4/14

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 25.061+/-0.438 χ^2/NDF:1022.7/13

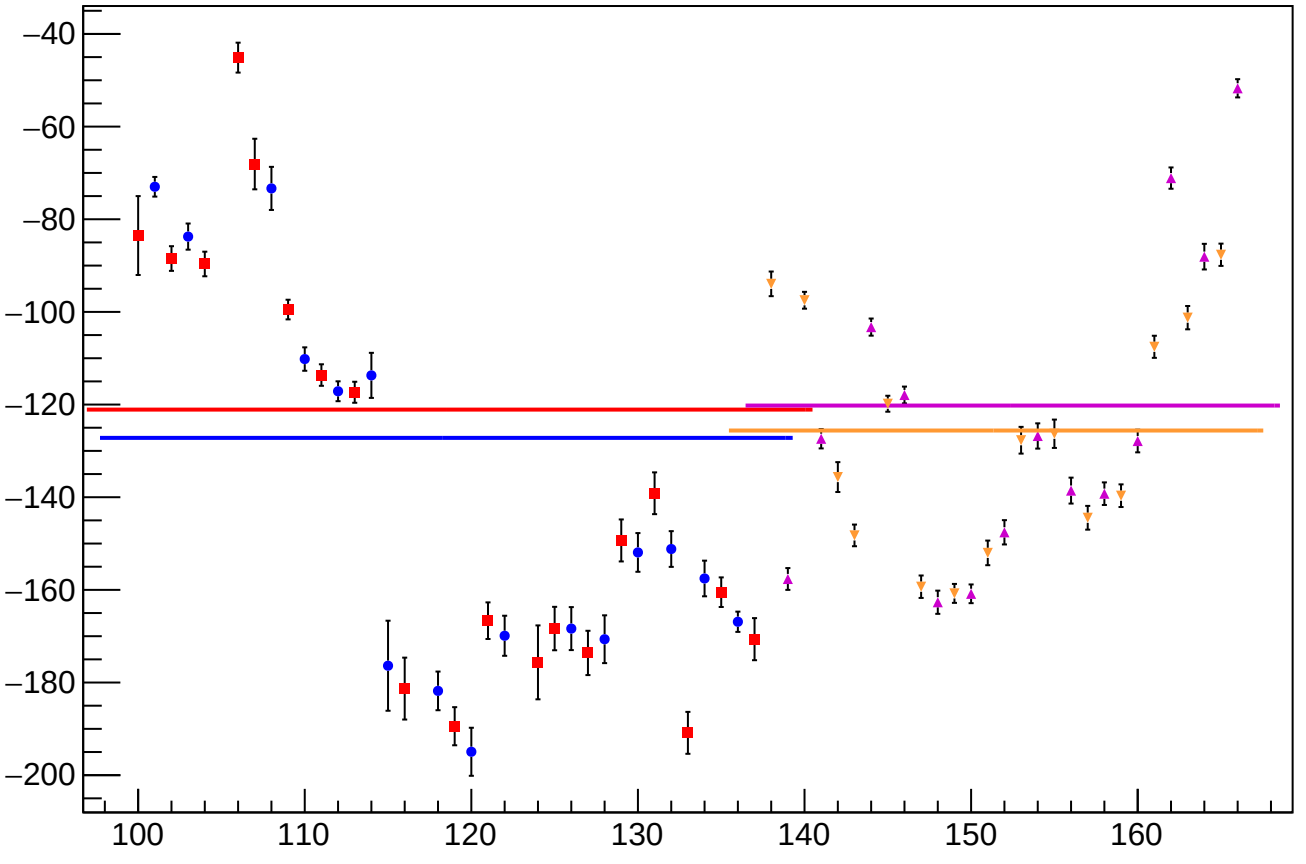
Left: 25.058+/-0.309 χ^2/NDF: 2479.1/28

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.091+/-0.385 χ^2/NDF:2712.8/29

Out: 25.673+/-0.382 χ^2/NDF:2650.2/33

All: 25.880+/-0.271 χ^2/NDF: 5363.6/63



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -125.602+/-0.613 χ^2/NDF:1571.6/14

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -120.214+/-0.605 χ^2/NDF:3071.3/13

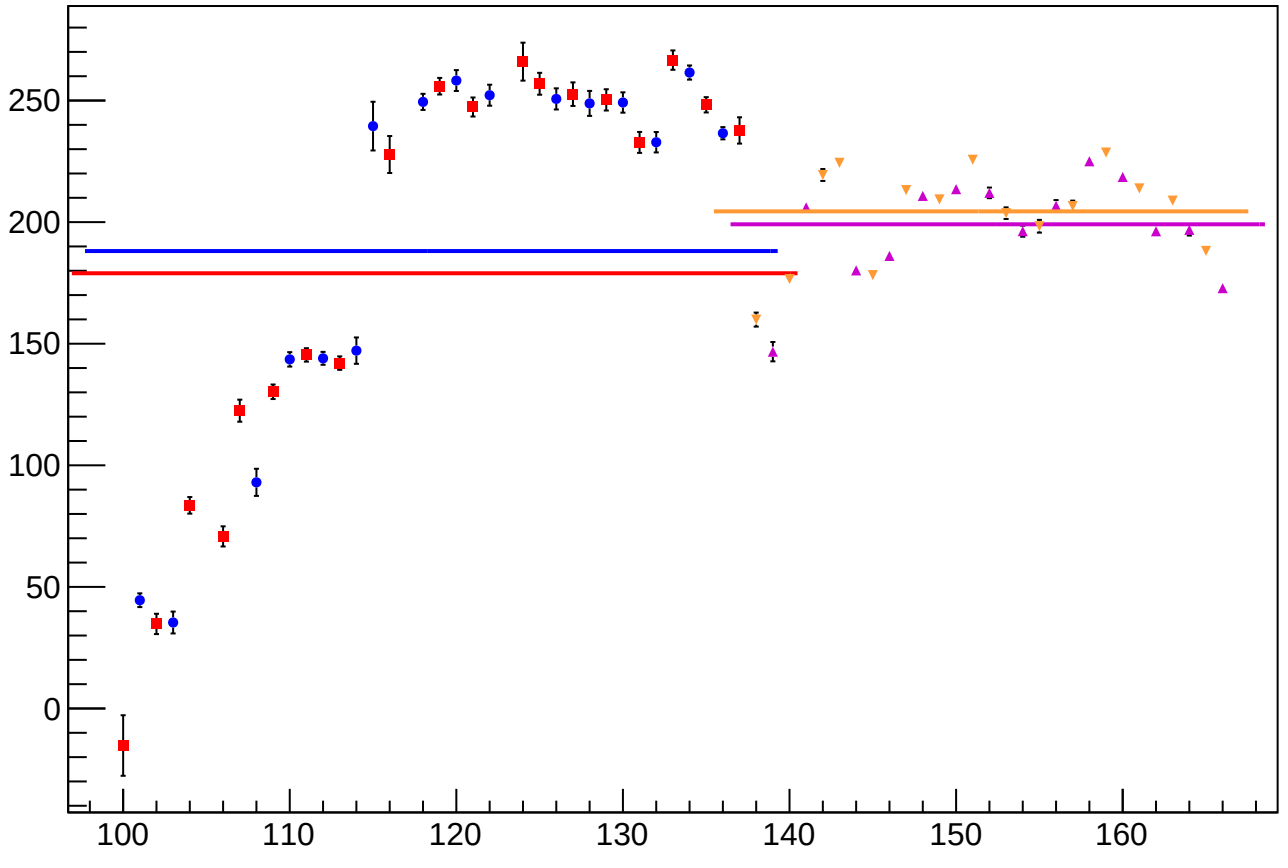
Left: -122.874+/-0.430 χ^2/NDF: 4682.1/28

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -122.636+/-0.489 χ^2/NDF:5295.7/29

Out: -123.927+/-0.486 χ^2/NDF:3989.0/33

All: -123.285+/-0.345 χ^2/NDF: 9288.2/63



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 204.427+/-0.509 χ^2/NDF:1321.8/14

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 199.111+/-0.506 χ^2/NDF:1108.6/13

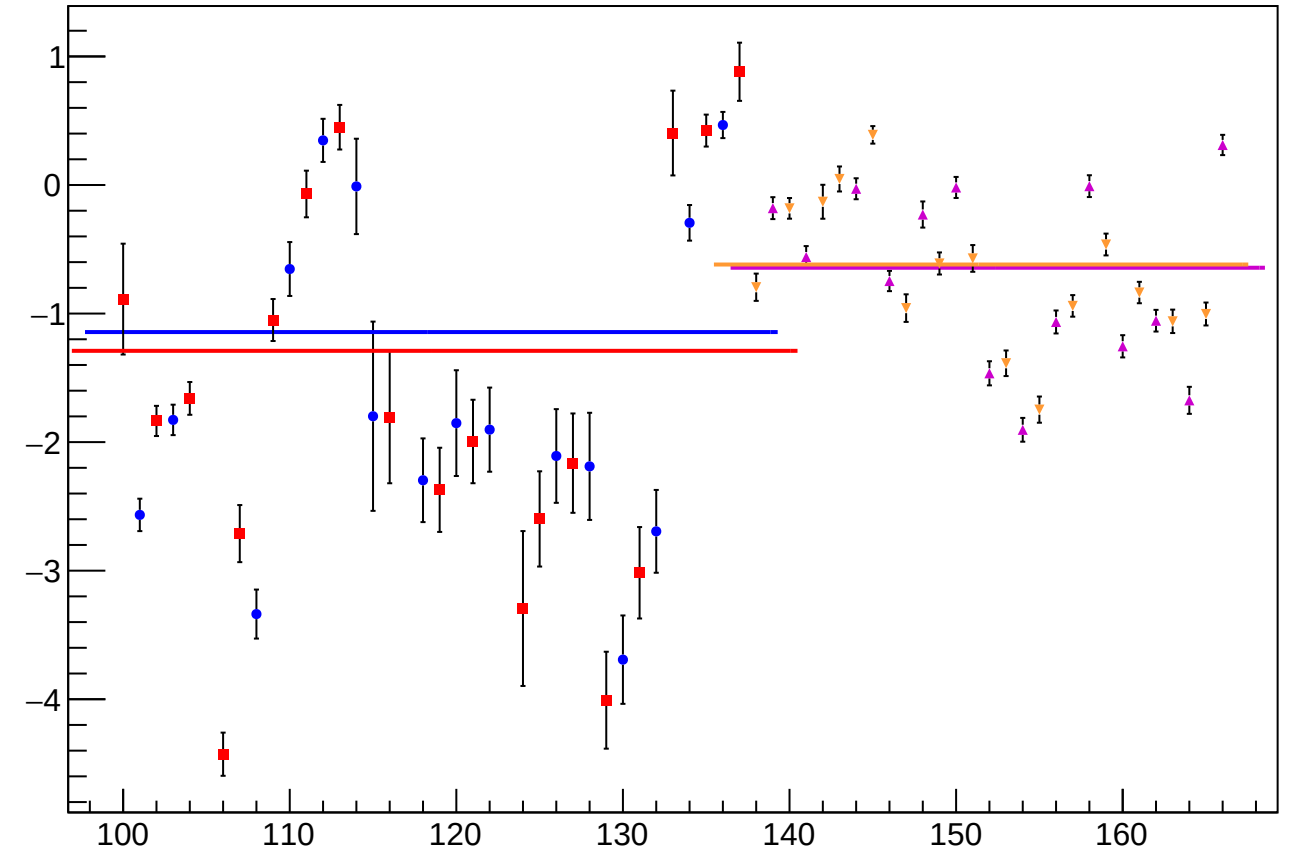
Left: 201.758+/-0.359 χ^2/NDF: 2485.3/28

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 196.544+/-0.443 χ^2/NDF:8337.4/29

Out: 198.349+/-0.444 χ^2/NDF:8588.9/33

All: 197.446+/-0.314 χ^2/NDF: 16934.6/63



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.619+/-0.024 χ^2/NDF:571.3/14

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.644+/-0.023 χ^2/NDF:821.1/13

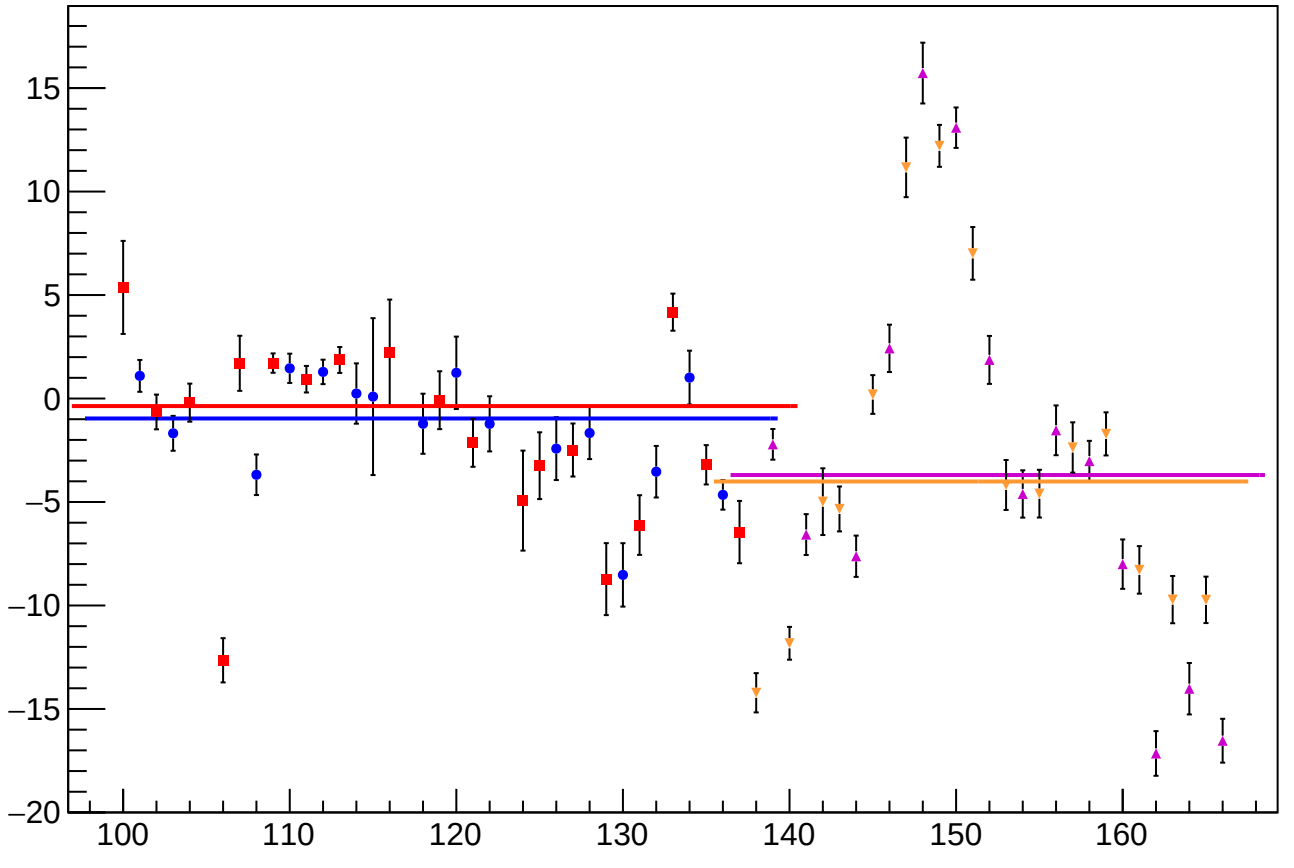
Left: -0.631+/-0.017 χ^2/NDF: 1393.0/28

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.738+/-0.021 χ^2/NDF:1696.5/29

Out: -0.751+/-0.021 χ^2/NDF:1730.3/33

All: -0.745+/-0.015 χ^2/NDF: 3426.9/63



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.010+/-0.283 χ^2/NDF:749.1/14

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.697+/-0.283 χ^2/NDF:938.6/13

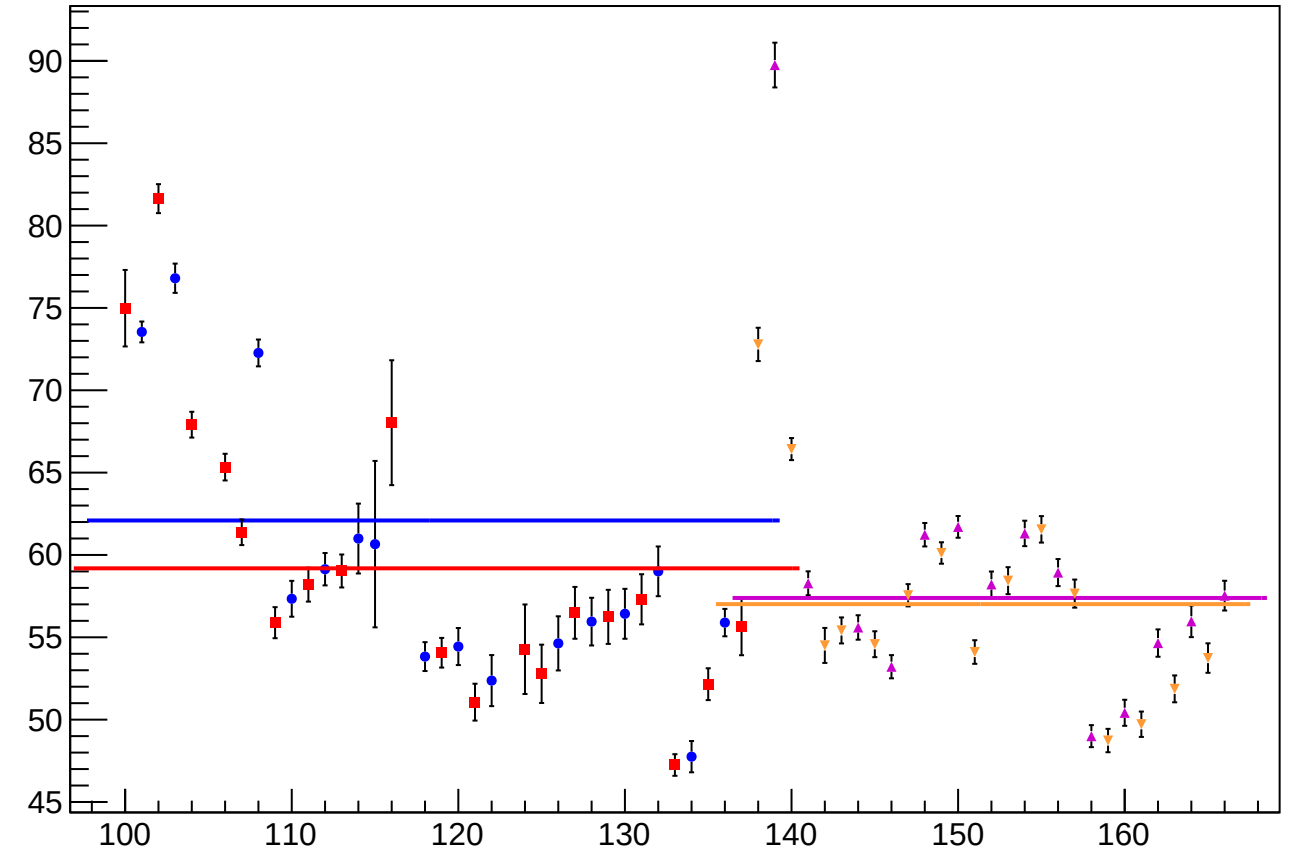
Left: -3.854+/-0.200 χ^2/NDF: 1688.3/28

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.179+/-0.189 χ^2/NDF:1093.5/29

Out: -1.768+/-0.175 χ^2/NDF:1131.9/33

All: -1.959+/-0.128 χ^2/NDF: 2227.9/63



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.015+/-0.201 χ^2/NDF:814.0/14

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.389+/-0.209 χ^2/NDF:959.8/13

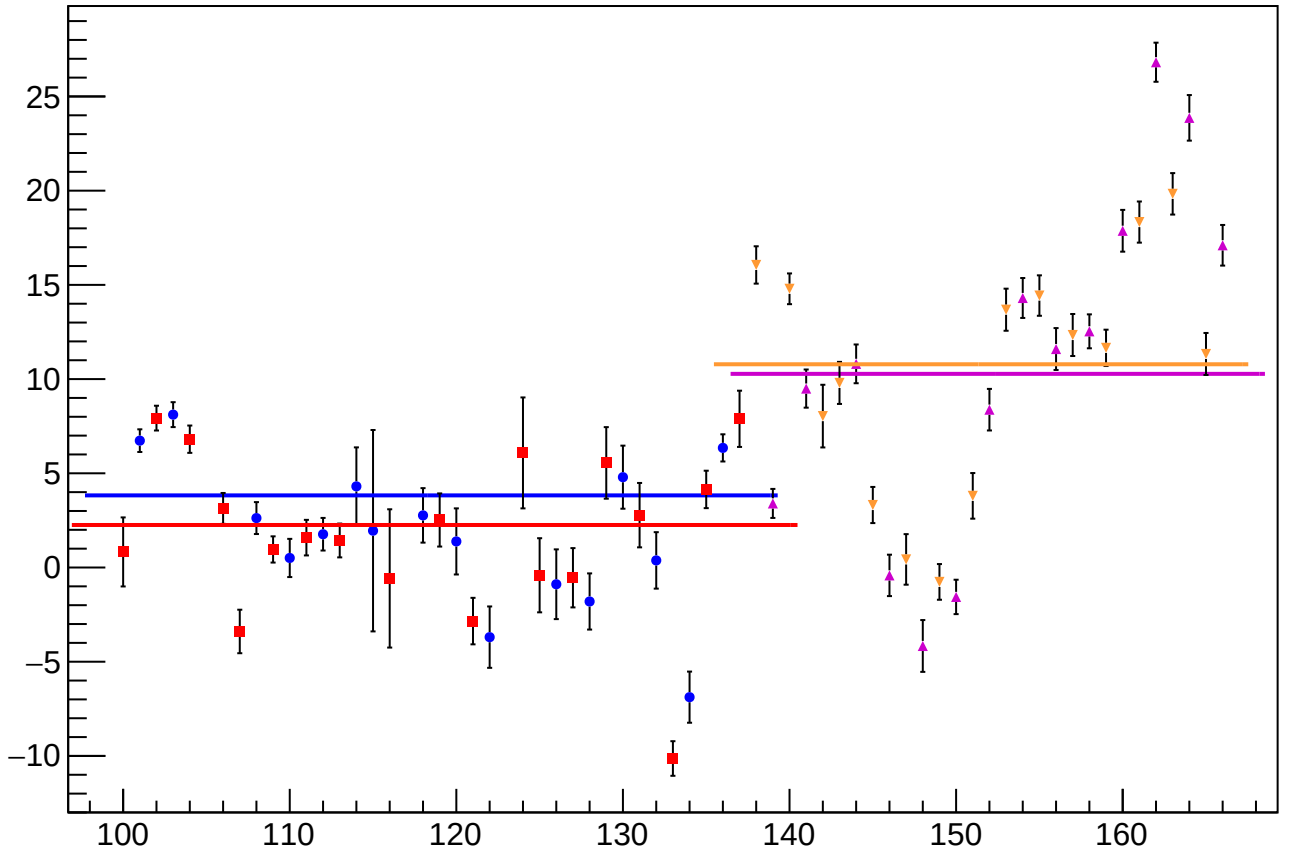
Left: 57.195+/-0.145 χ^2/NDF: 1775.4/28

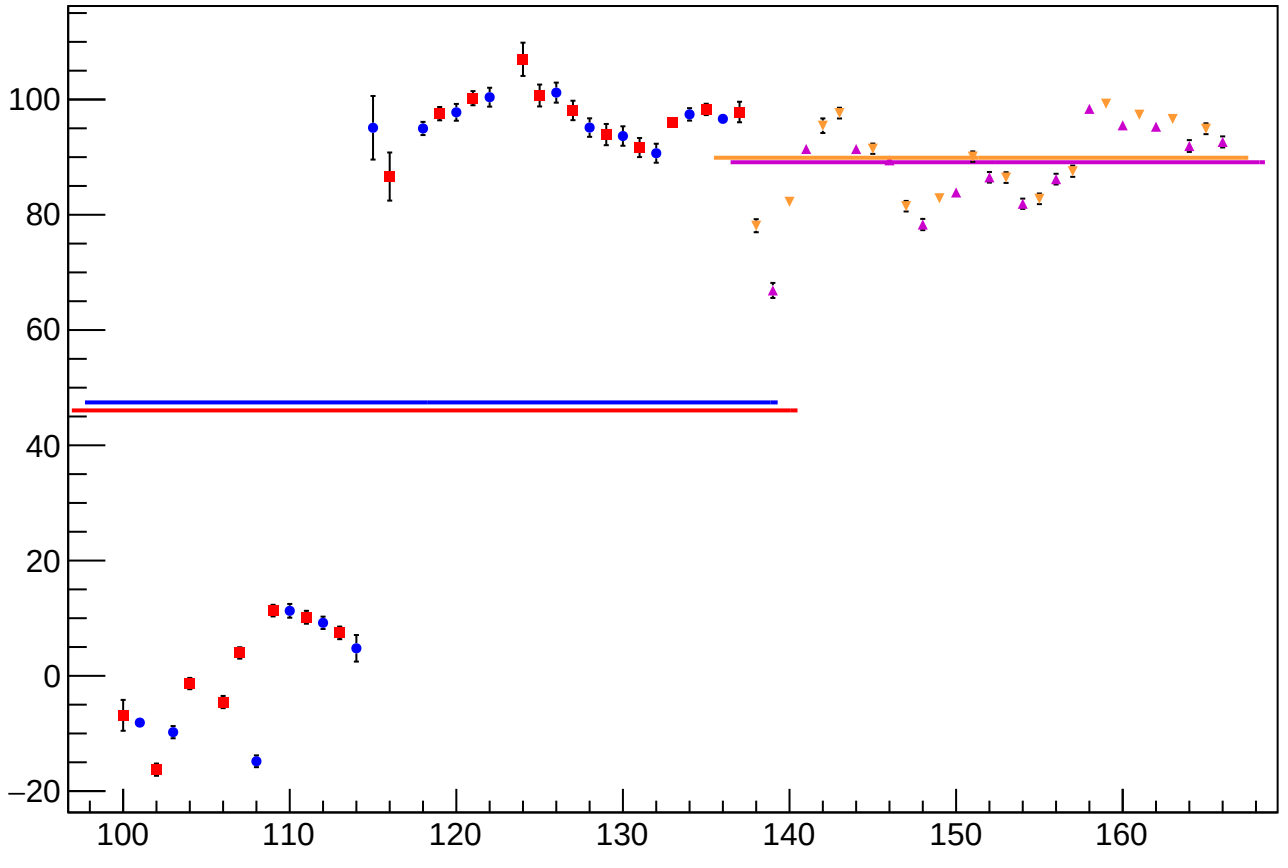
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.189+/-0.164 χ^2/NDF:2455.1/29

Out: 57.897+/-0.155 χ^2/NDF:2263.3/33

All: 58.507+/-0.113 χ^2/NDF: 4751.1/63


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 10.787+/-0.276 χ²/NDF:494.7/14
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 10.278+/-0.275 χ²/NDF:946.1/13
Left: 10.532+/-0.195 χ²/NDF: 1442.6/28
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.934+/-0.191 χ²/NDF:1439.4/29
Out: 6.043+/-0.184 χ²/NDF:1398.4/33
All: 6.472+/-0.132 χ²/NDF: 2849.1/63



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.897+/-0.232 χ^2/NDF:867.5/14

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.113+/-0.237 χ^2/NDF:859.9/13

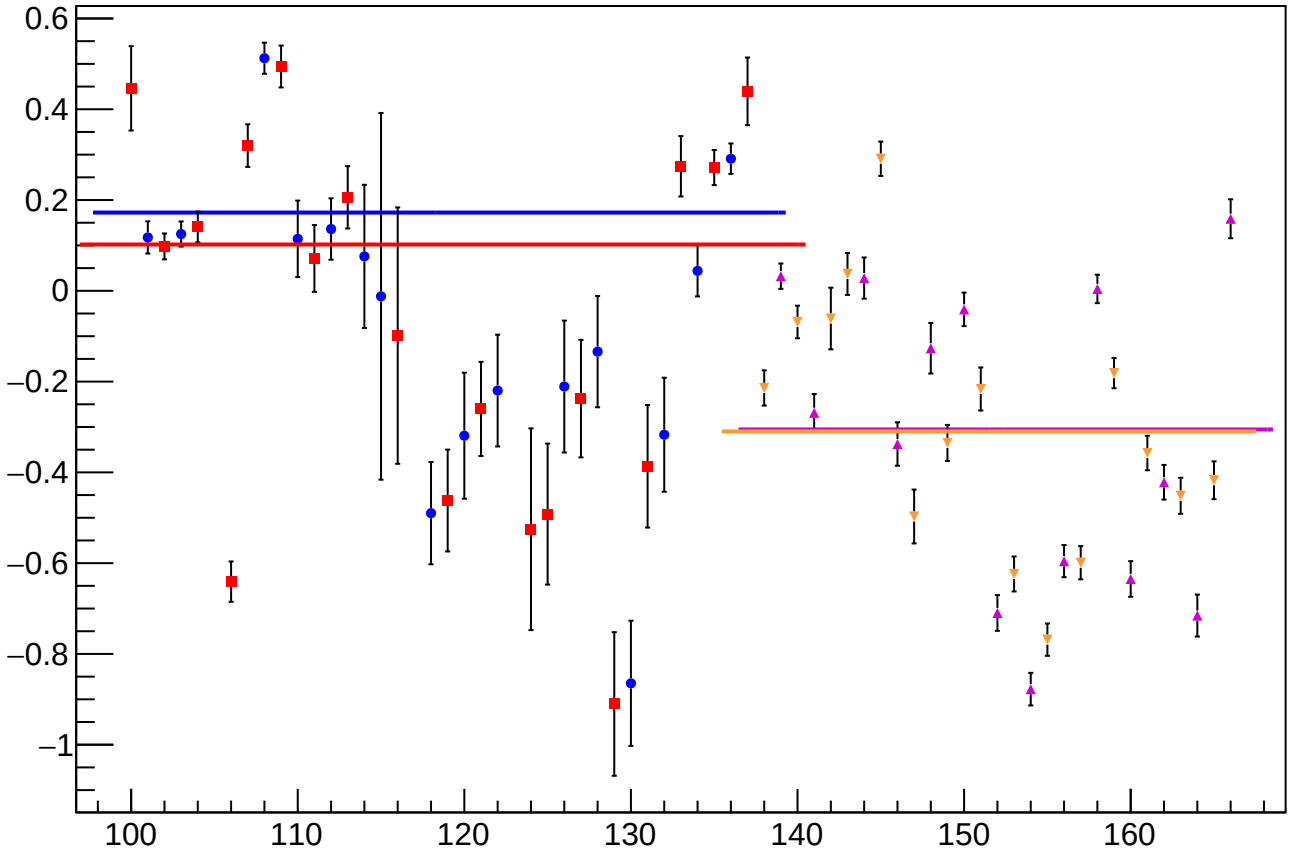
Left: 89.514+/-0.166 χ^2/NDF: 1733.0/28

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 73.589+/-0.188 χ^2/NDF:39227.6/29

Out: 72.387+/-0.180 χ^2/NDF:44036.6/33

All: 72.961+/-0.130 χ^2/NDF: 83285.5/63



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.310+/-0.010 χ^2/NDF:717.4/14

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.305+/-0.010 χ^2/NDF:1062.0/13

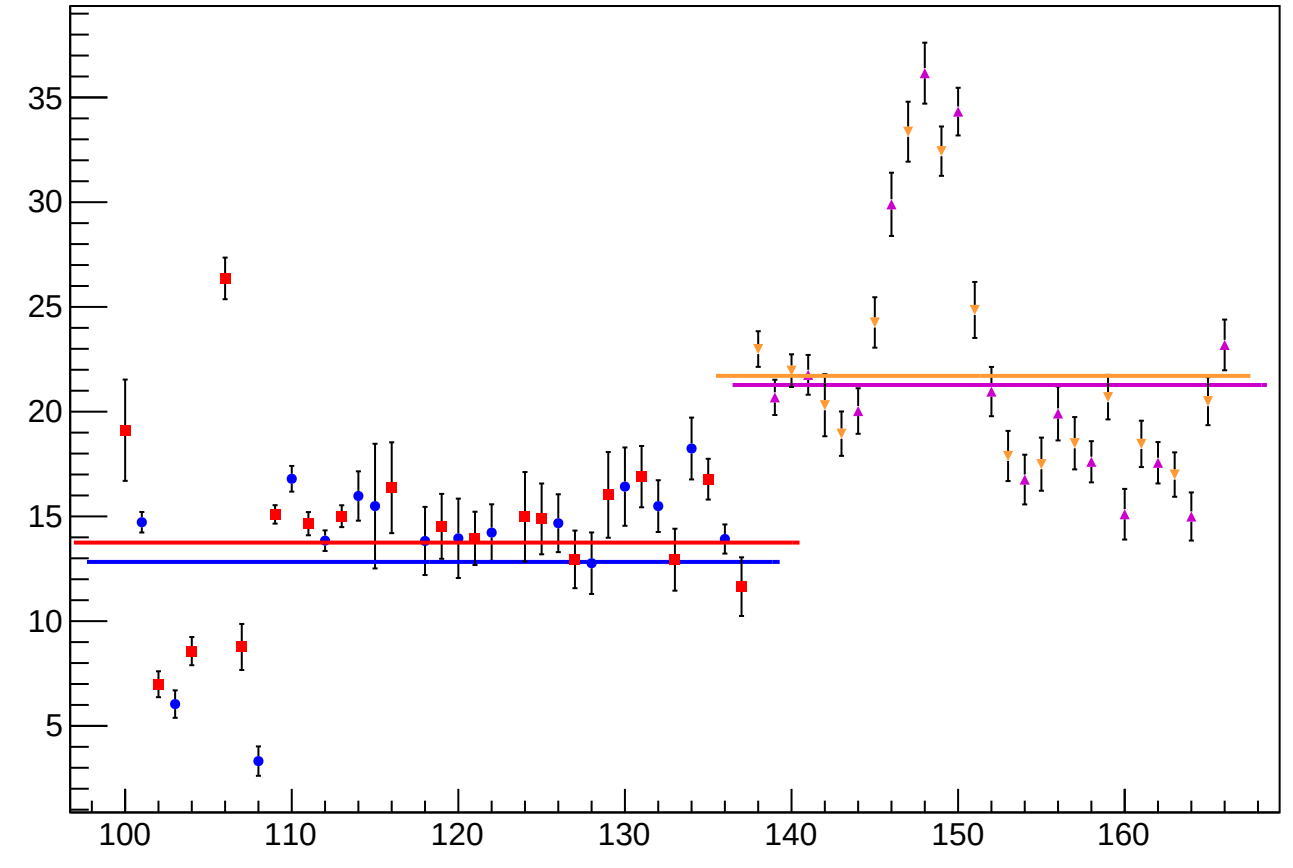
Left: -0.308+/-0.007 χ^2/NDF: 1779.4/28

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.140+/-0.008 χ^2/NDF:2072.5/29

Out: -0.155+/-0.008 χ^2/NDF:1861.6/33

All: -0.148+/-0.006 χ^2/NDF: 3935.8/63



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.710+/-0.287 χ^2/NDF:227.5/14

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.274+/-0.298 χ^2/NDF:372.9/13

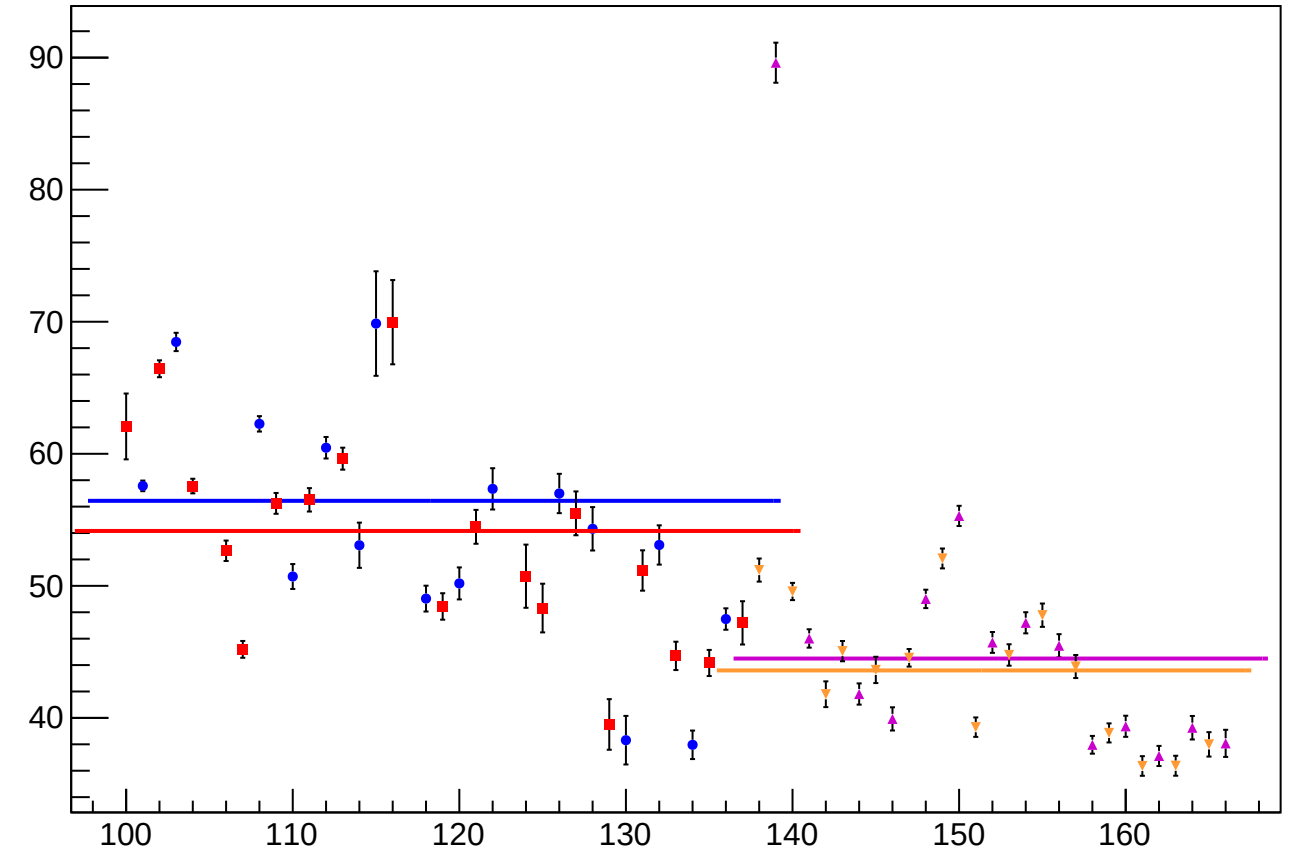
Left: 21.500+/-0.207 χ^2/NDF: 601.5/28

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.704+/-0.174 χ^2/NDF:1291.2/29

Out: 16.424+/-0.166 χ^2/NDF:1142.3/33

All: 16.080+/-0.120 χ^2/NDF: 2442.5/63



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.595+/-0.204 χ^2/NDF:619.6/14

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.495+/-0.217 χ^2/NDF:1486.9/13

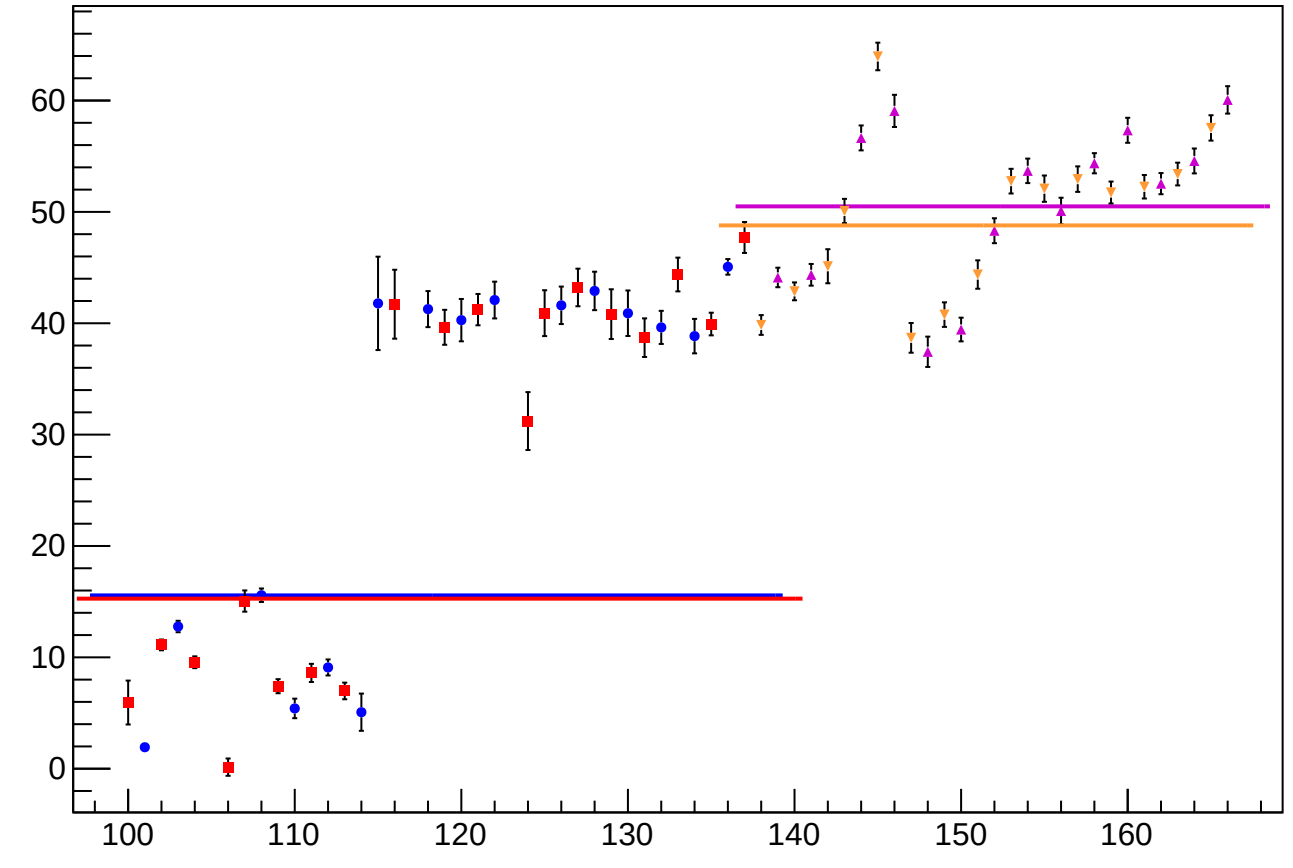
Left: 44.017+/-0.149 χ^2/NDF: 2115.6/28

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.328+/-0.155 χ^2/NDF:4058.0/29

Out: 48.370+/-0.151 χ^2/NDF:2838.4/33

All: 49.323+/-0.108 χ^2/NDF: 6978.2/63



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.787+/-0.281 χ^2/NDF:568.4/14

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 50.497+/-0.289 χ^2/NDF:504.1/13

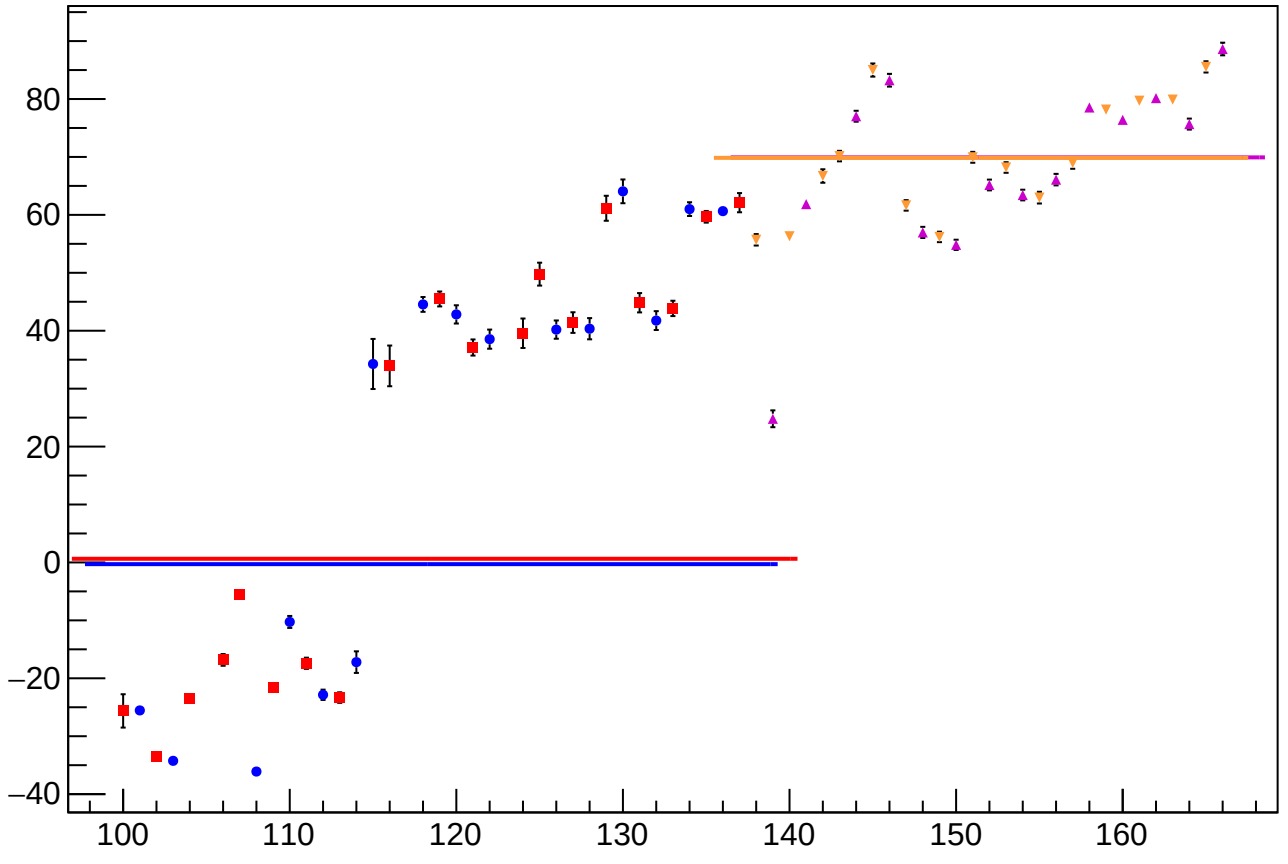
Left: 49.616+/-0.201 χ^2/NDF: 1090.5/28

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 27.926+/-0.172 χ^2/NDF:15113.9/29

Out: 27.969+/-0.173 χ^2/NDF:13303.4/33

All: 27.948+/-0.122 χ^2/NDF: 28417.3/63



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 69.846+/-0.235 χ^2/NDF:1745.1/14

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 69.924+/-0.246 χ^2/NDF:2526.9/13

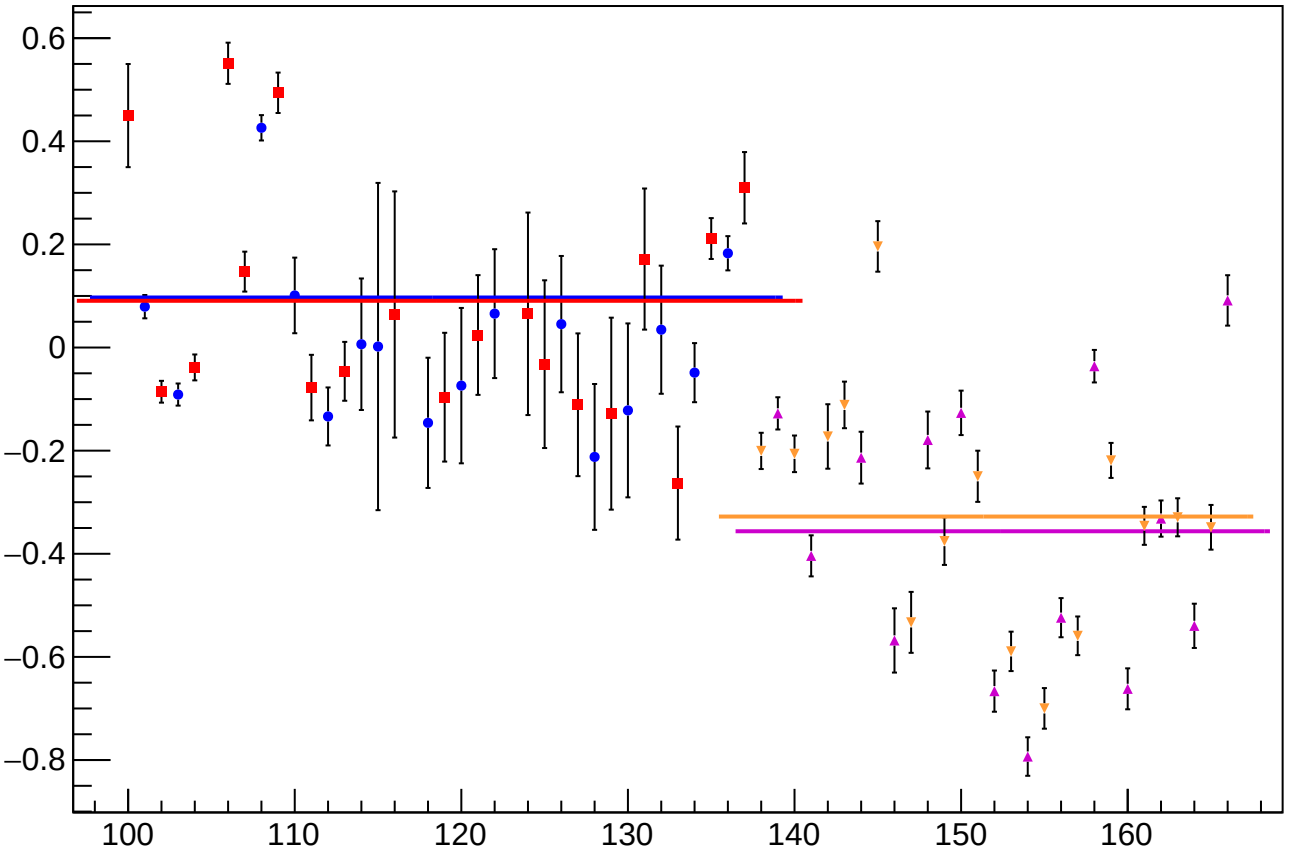
Left: 69.883+/-0.170 χ^2/NDF: 4272.0/28

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 36.898+/-0.179 χ^2/NDF:61781.3/29

Out: 39.179+/-0.175 χ^2/NDF:56166.1/33

All: 38.063+/-0.125 χ^2/NDF: 118030.1/63



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.011 χ^2/NDF:368.7/14

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.356+/-0.011 χ^2/NDF:594.6/13

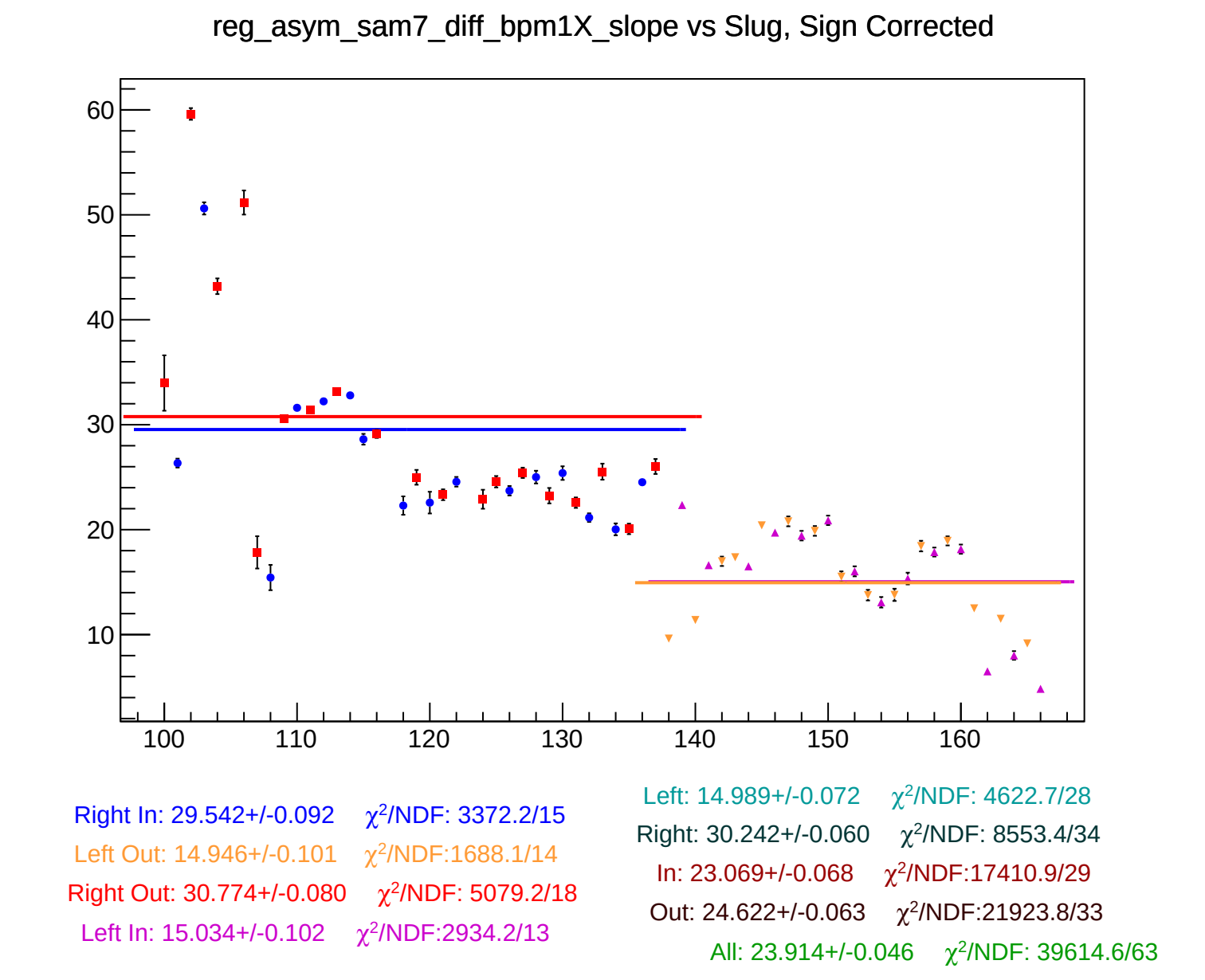
Left: -0.342+/-0.008 χ^2/NDF: 966.8/28

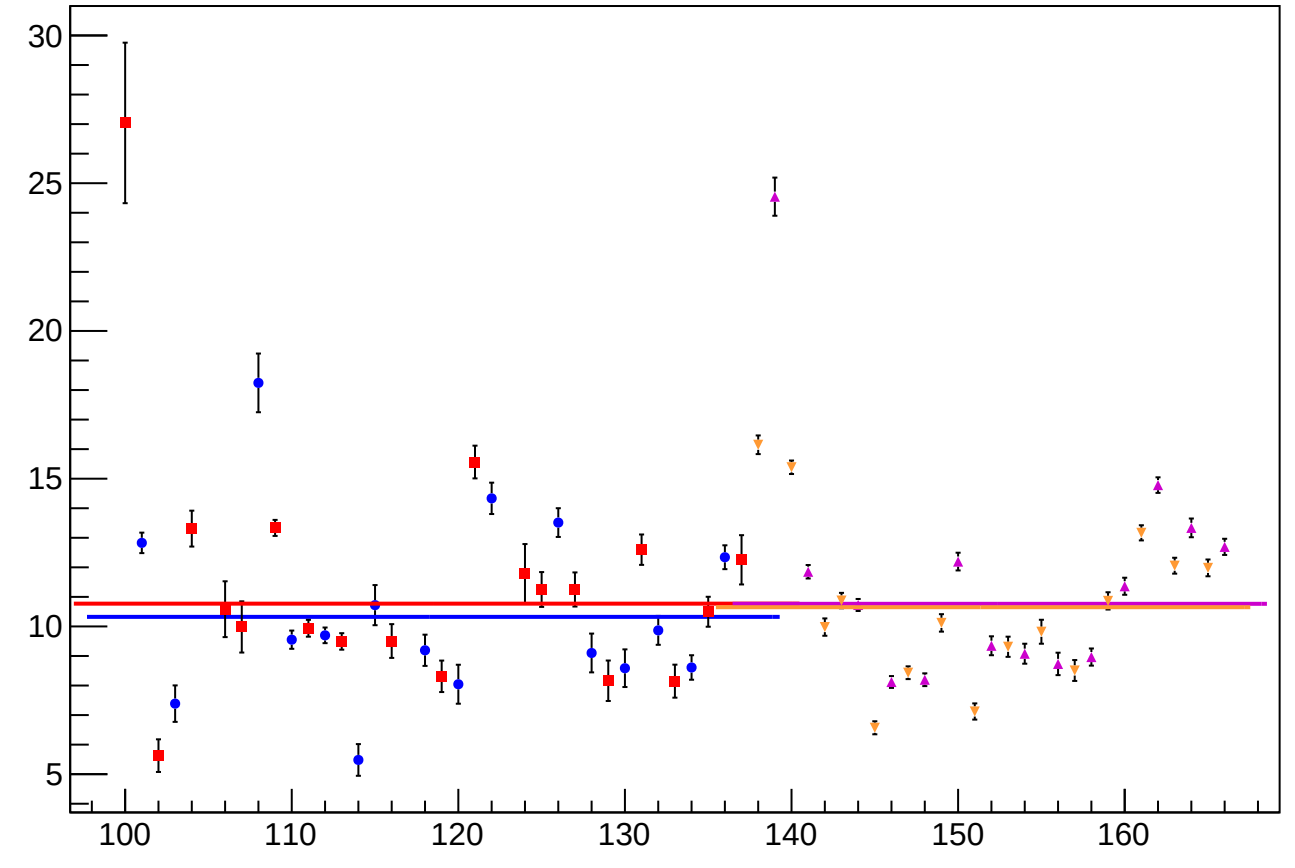
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.139+/-0.008 χ^2/NDF:1743.6/29

Out: -0.133+/-0.008 χ^2/NDF:1488.7/33

All: -0.136+/-0.005 χ^2/NDF: 3232.5/63


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 29.542+/-0.092 χ²/NDF: 3372.2/15
Left Out: 14.946+/-0.101 χ²/NDF:1688.1/14
Right Out: 30.774+/-0.080 χ²/NDF: 5079.2/18
Left In: 15.034+/-0.102 χ²/NDF:2934.2/13
Left: 14.989+/-0.072 χ²/NDF: 4622.7/28
Right: 30.242+/-0.060 χ²/NDF: 8553.4/34
In: 23.069+/-0.068 χ²/NDF:17410.9/29
Out: 24.622+/-0.063 χ²/NDF:21923.8/33
All: 23.914+/-0.046 χ²/NDF: 39614.6/63



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.651+/-0.071 χ^2/NDF:1558.1/14

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.766+/-0.072 χ^2/NDF:1281.5/13

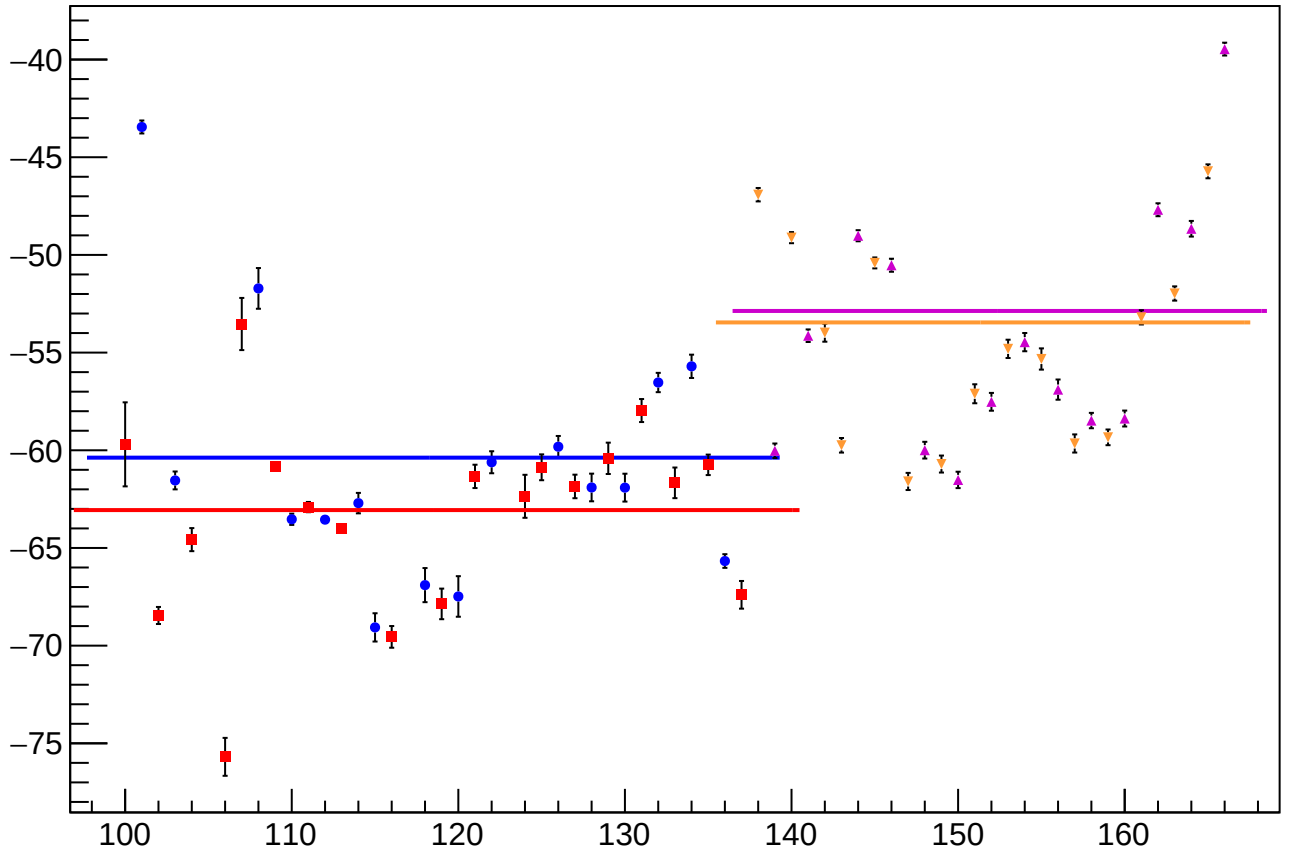
Left: 10.707+/-0.051 χ^2/NDF: 2840.9/28

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.638+/-0.061 χ^2/NDF:1694.9/29

Out: 10.685+/-0.060 χ^2/NDF:1974.7/33

All: 10.662+/-0.043 χ^2/NDF: 3669.9/63



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.456+/-0.099 χ^2/NDF:2574.9/14

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.869+/-0.100 χ^2/NDF:3897.6/13

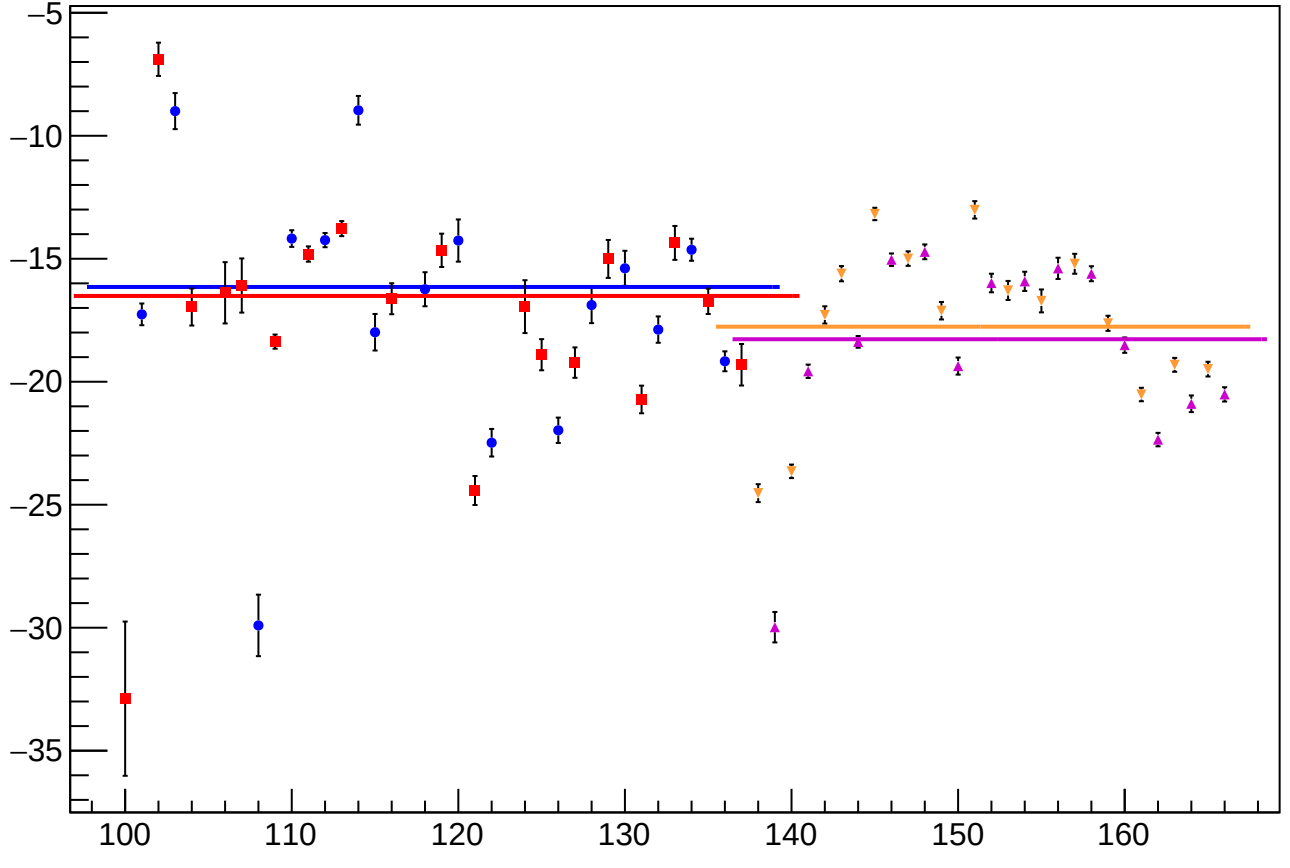
Left: -53.165+/-0.070 χ^2/NDF: 6489.8/28

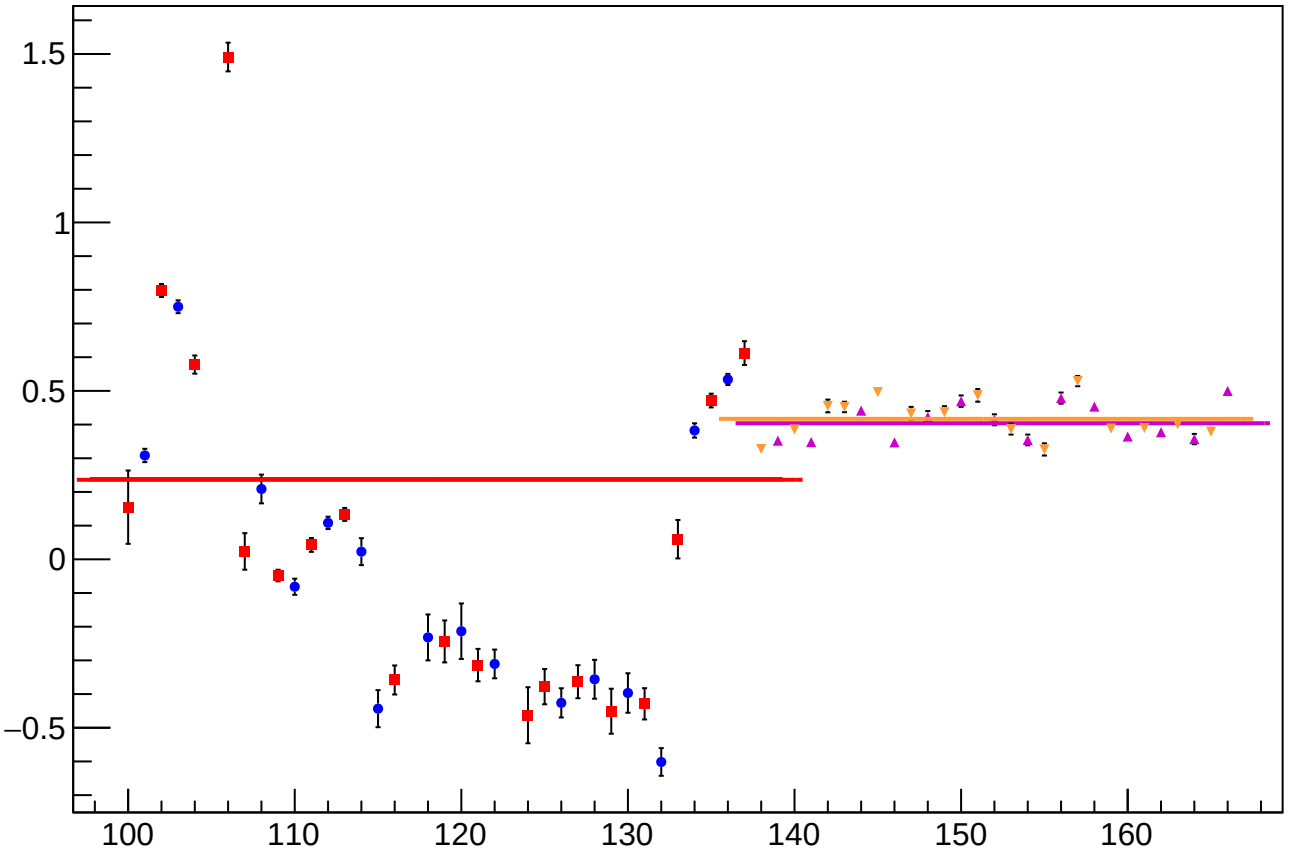
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -56.174+/-0.075 χ^2/NDF:9966.5/29

Out: -57.883+/-0.073 χ^2/NDF:7743.2/33

All: -57.054+/-0.052 χ^2/NDF: 17976.9/63


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -17.761+/-0.082 χ²/NDF:1676.2/14
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -18.272+/-0.084 χ²/NDF:1228.4/13
Left: -18.012+/-0.059 χ²/NDF: 2923.4/28
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -17.628+/-0.070 χ²/NDF:2220.1/29
Out: -17.381+/-0.069 χ²/NDF:2430.7/33
All: -17.502+/-0.049 χ²/NDF: 4657.2/63



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.7/14

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.404+/-0.004 χ^2/NDF:192.2/13

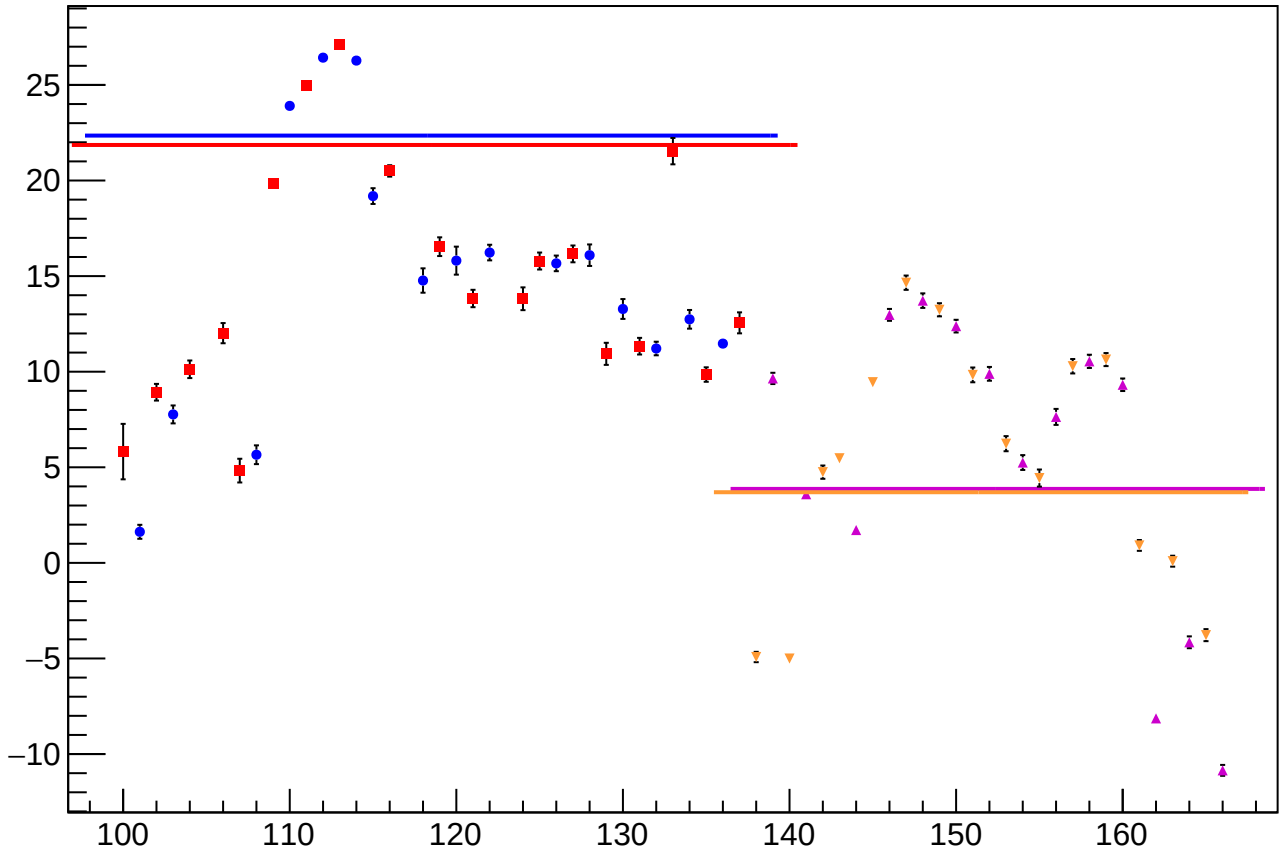
Left: 0.411+/-0.003 χ^2/NDF: 422.7/28

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.366+/-0.003 χ^2/NDF:3252.5/29

Out: 0.376+/-0.003 χ^2/NDF:4324.0/33

All: 0.371+/-0.002 χ^2/NDF: 7581.3/63



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.696+/-0.078 χ^2/NDF:6732.1/14

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.869+/-0.082 χ^2/NDF:9167.0/13

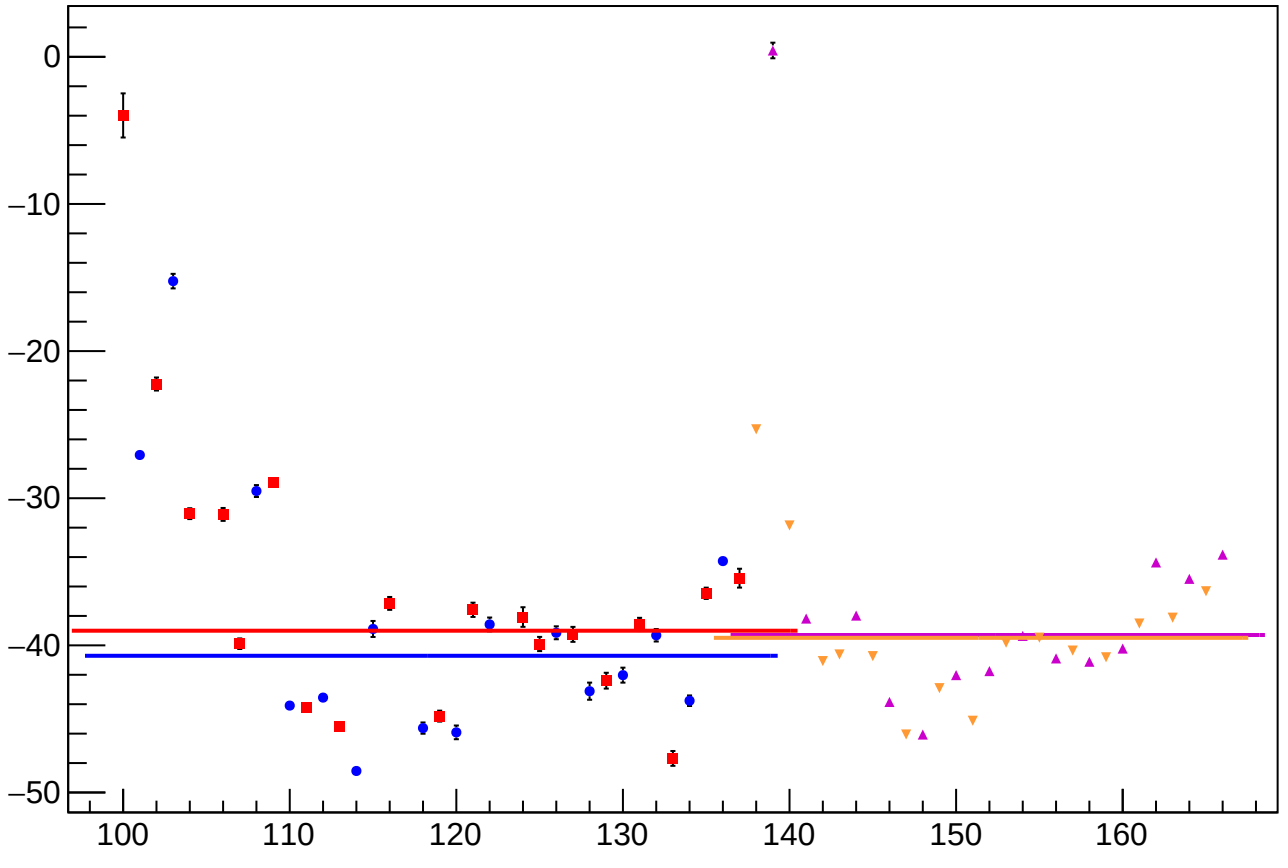
Left: 3.779+/-0.057 χ^2/NDF: 15901.4/28

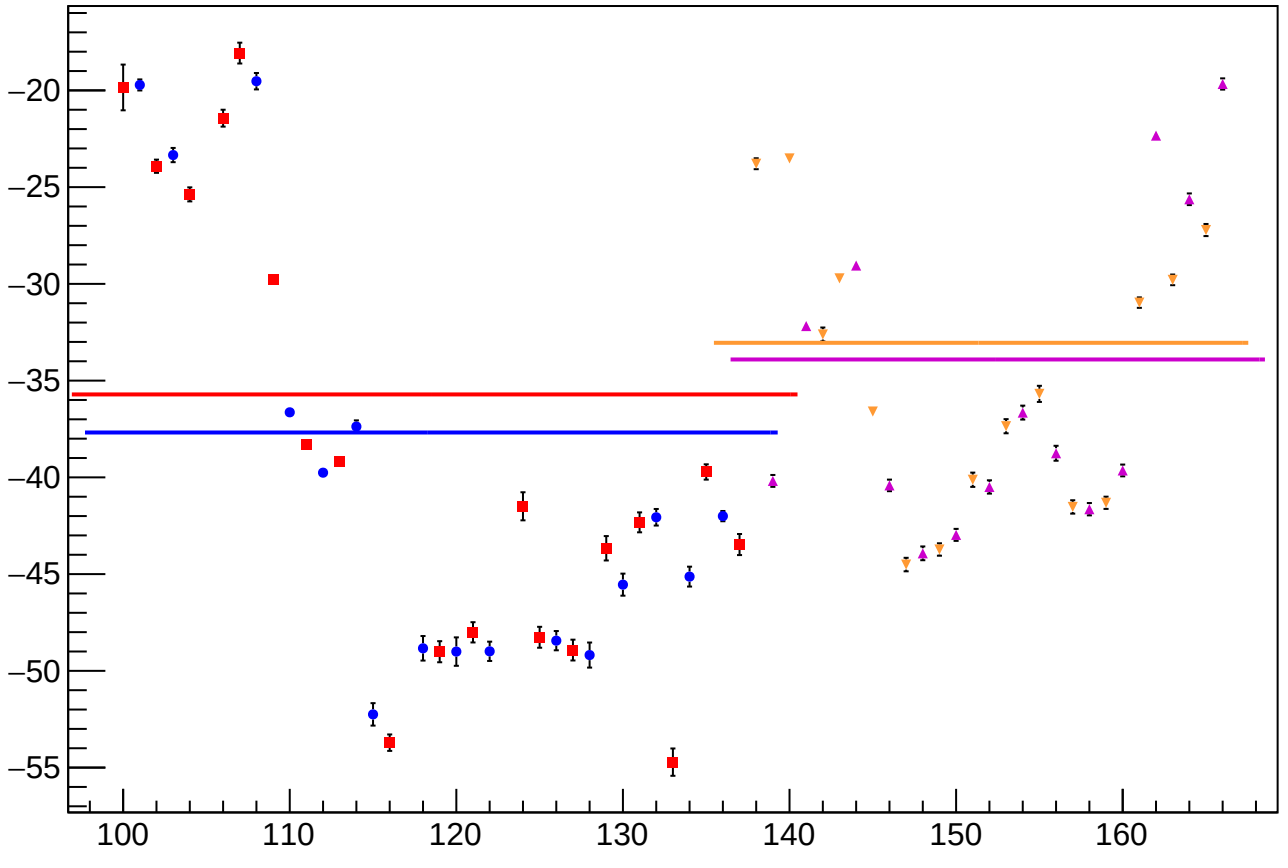
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 16.391+/-0.047 χ^2/NDF:55936.4/29

Out: 17.165+/-0.040 χ^2/NDF:57217.7/33

All: 16.838+/-0.030 χ^2/NDF: 113313.7/63


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.489+/-0.055 χ²/NDF:7605.3/14
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -39.297+/-0.058 χ²/NDF:9445.0/13
Left: -39.398+/-0.040 χ²/NDF: 17056.0/28
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -39.817+/-0.046 χ²/NDF:17440.8/29
Out: -39.307+/-0.044 χ²/NDF:17735.5/33
All: -39.546+/-0.032 χ²/NDF: 35240.4/63



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.045+/-0.077 χ^2/NDF:7897.8/14

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.907+/-0.080 χ^2/NDF:9838.5/13

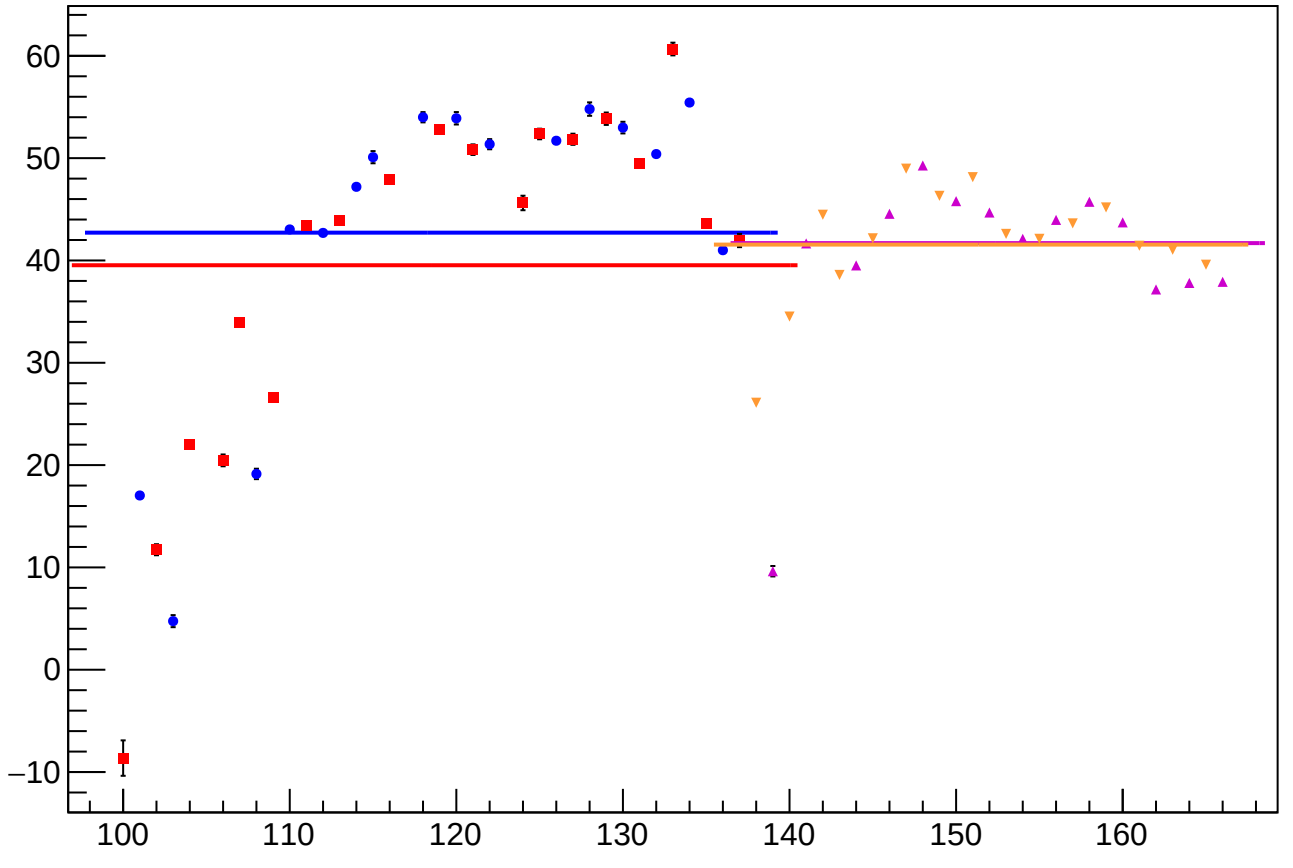
Left: -33.461+/-0.056 χ^2/NDF: 17796.3/28

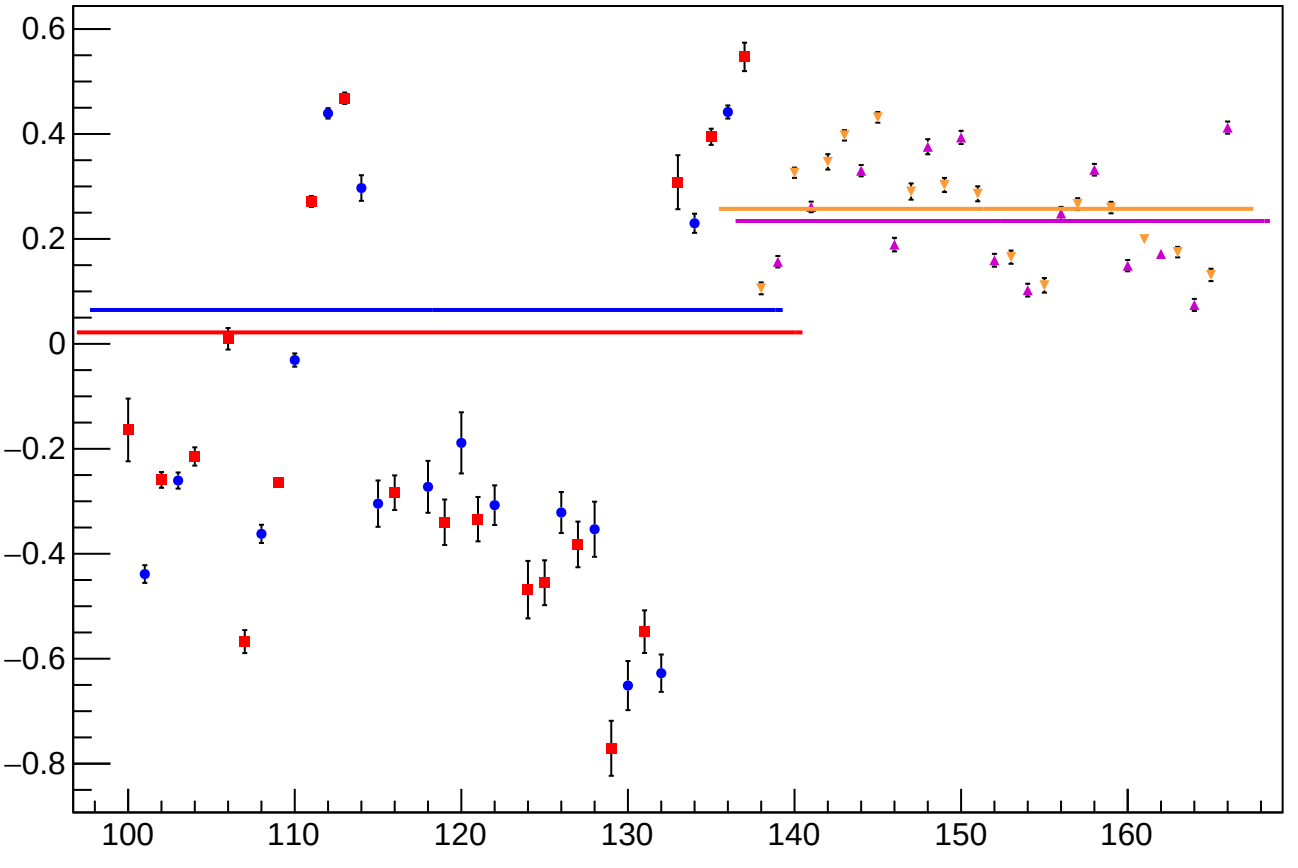
Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.947+/-0.054 χ^2/NDF:21895.5/29

Out: -34.621+/-0.049 χ^2/NDF:21877.2/33

All: -35.223+/-0.037 χ^2/NDF: 44099.6/63


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: 42.718+/-0.085 χ²/NDF: 14765.0/15
Left Out: 41.551+/-0.064 χ²/NDF:6321.1/14
Right Out: 39.533+/-0.078 χ²/NDF: 17978.2/18
Left In: 41.696+/-0.067 χ²/NDF:6841.5/13
Left: 41.620+/-0.046 χ²/NDF: 13165.0/28
Right: 40.991+/-0.058 χ²/NDF: 33503.2/34
In: 42.088+/-0.053 χ²/NDF:21695.5/29
Out: 40.740+/-0.050 χ²/NDF:24697.7/33
All: 41.373+/-0.036 χ²/NDF: 46740.6/63



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.257+/-0.003 χ^2/NDF:1163.4/14

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.234+/-0.003 χ^2/NDF:1176.4/13

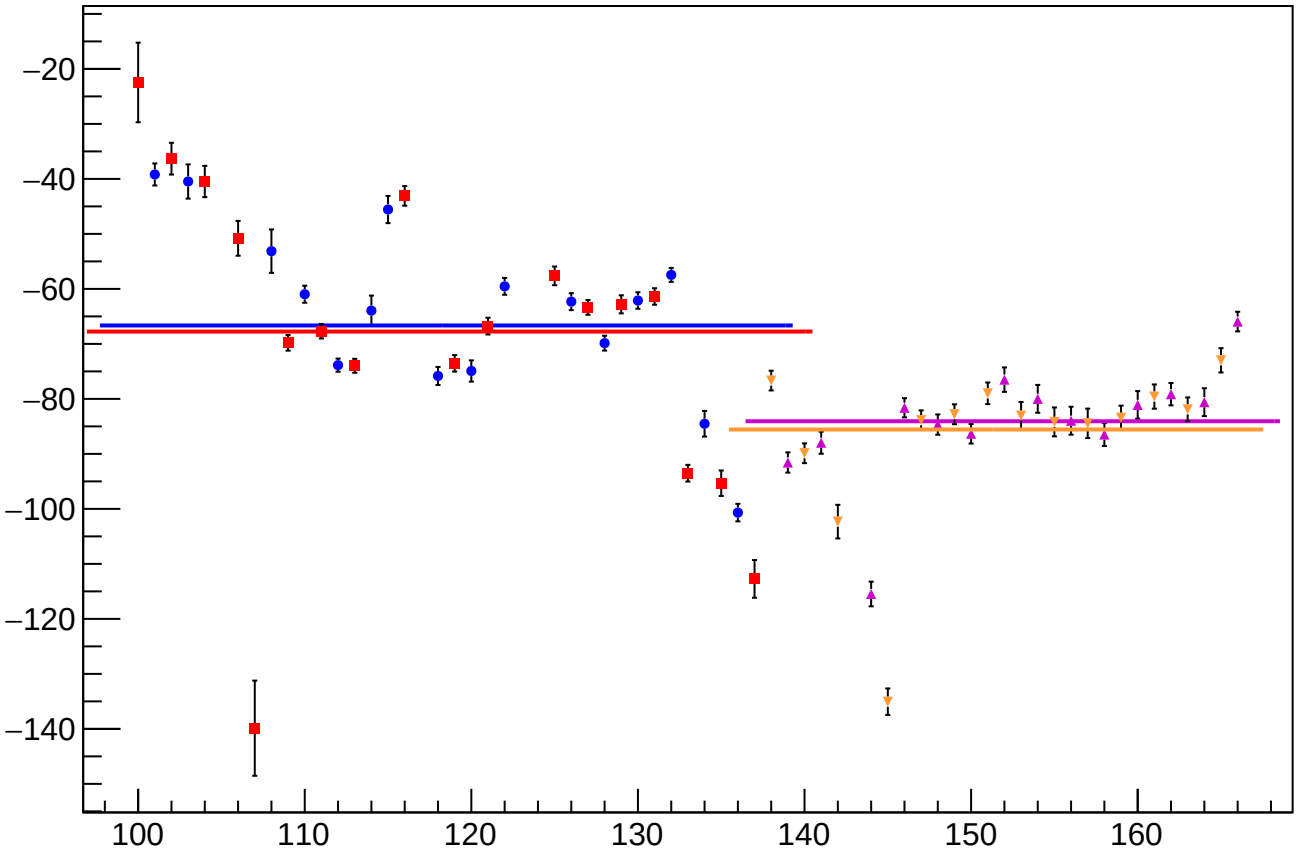
Left: 0.246+/-0.002 χ^2/NDF: 2369.4/28

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.186+/-0.003 χ^2/NDF:7551.8/29

Out: 0.183+/-0.002 χ^2/NDF:9544.1/33

All: 0.185+/-0.002 χ^2/NDF: 17096.5/63



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -85.568+/-0.572 χ^2/NDF:541.3/13

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -84.064+/-0.551 χ^2/NDF:347.8/13

Left: -84.788+/-0.397 χ^2/NDF: 892.7/27

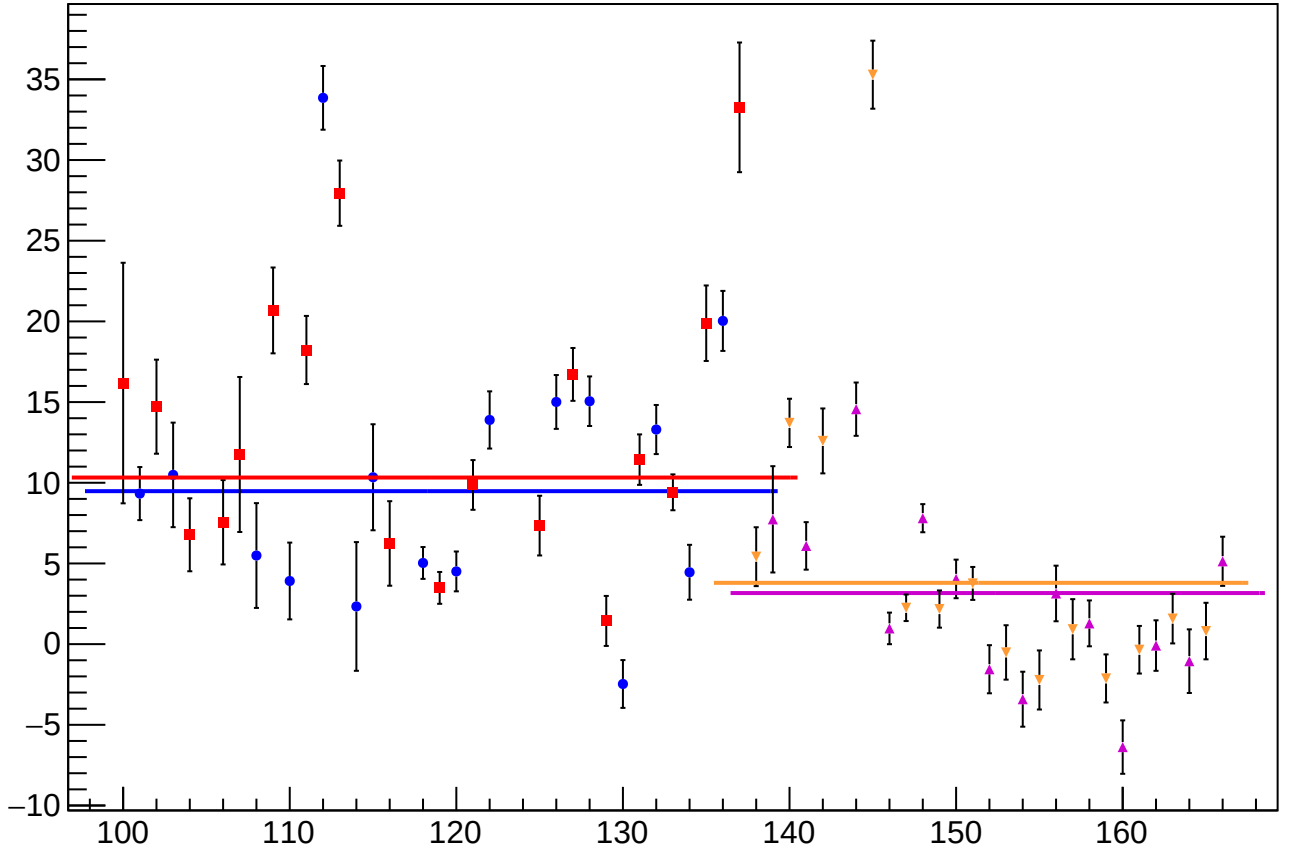
Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.163+/-0.337 χ^2/NDF:2025.2/29

Out: -73.980+/-0.338 χ^2/NDF:2426.8/31

All: -73.570+/-0.239 χ^2/NDF: 4454.9/61

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.799+/-0.378 χ^2/NDF:340.9/13

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.166+/-0.376 χ^2/NDF:157.9/13

Left: 3.481+/-0.267 χ^2/NDF: 500.1/27

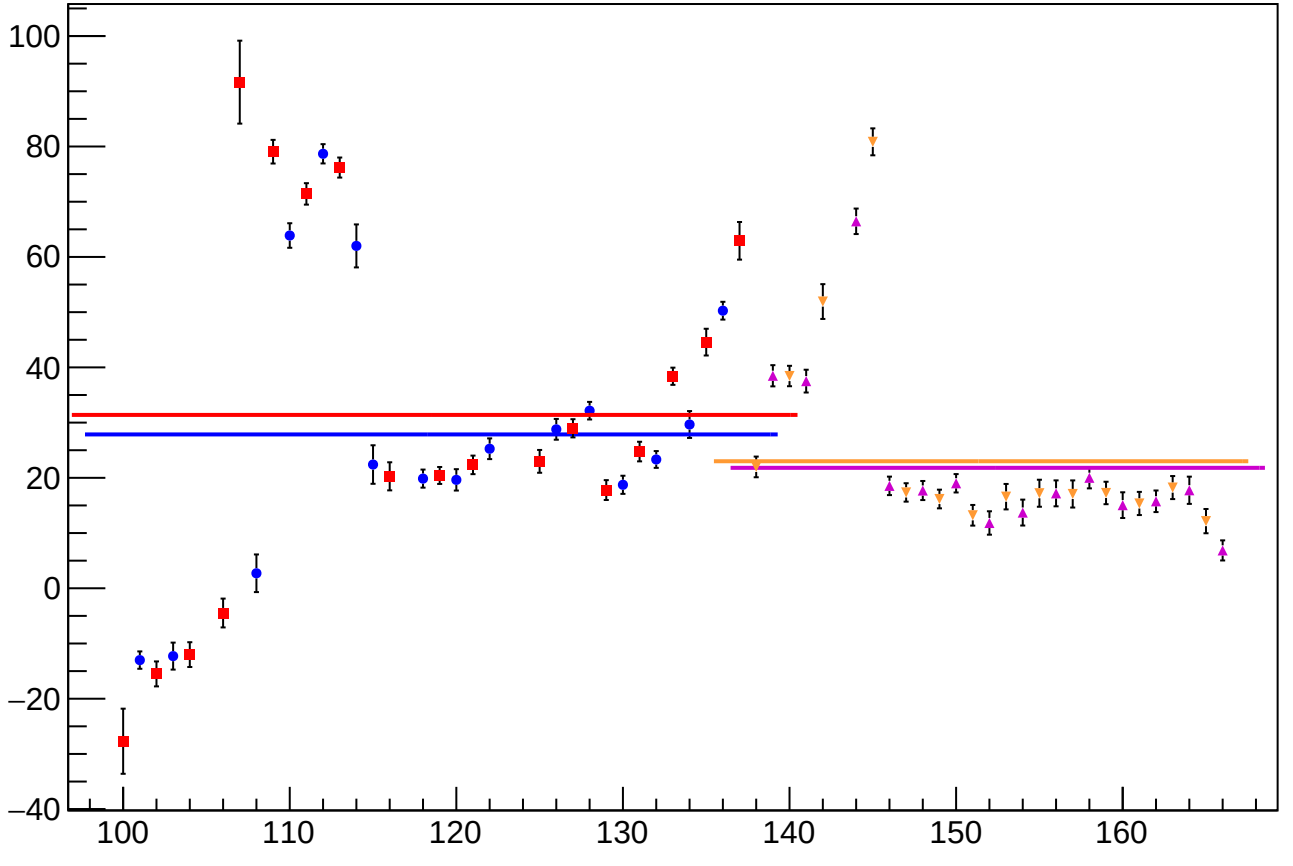
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.916+/-0.283 χ^2/NDF:622.6/29

Out: 6.600+/-0.285 χ^2/NDF:732.3/31

All: 6.255+/-0.201 χ^2/NDF: 1357.8/61

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.004+/-0.553 χ^2/NDF:841.3/13

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 21.811+/-0.533 χ^2/NDF:646.6/13

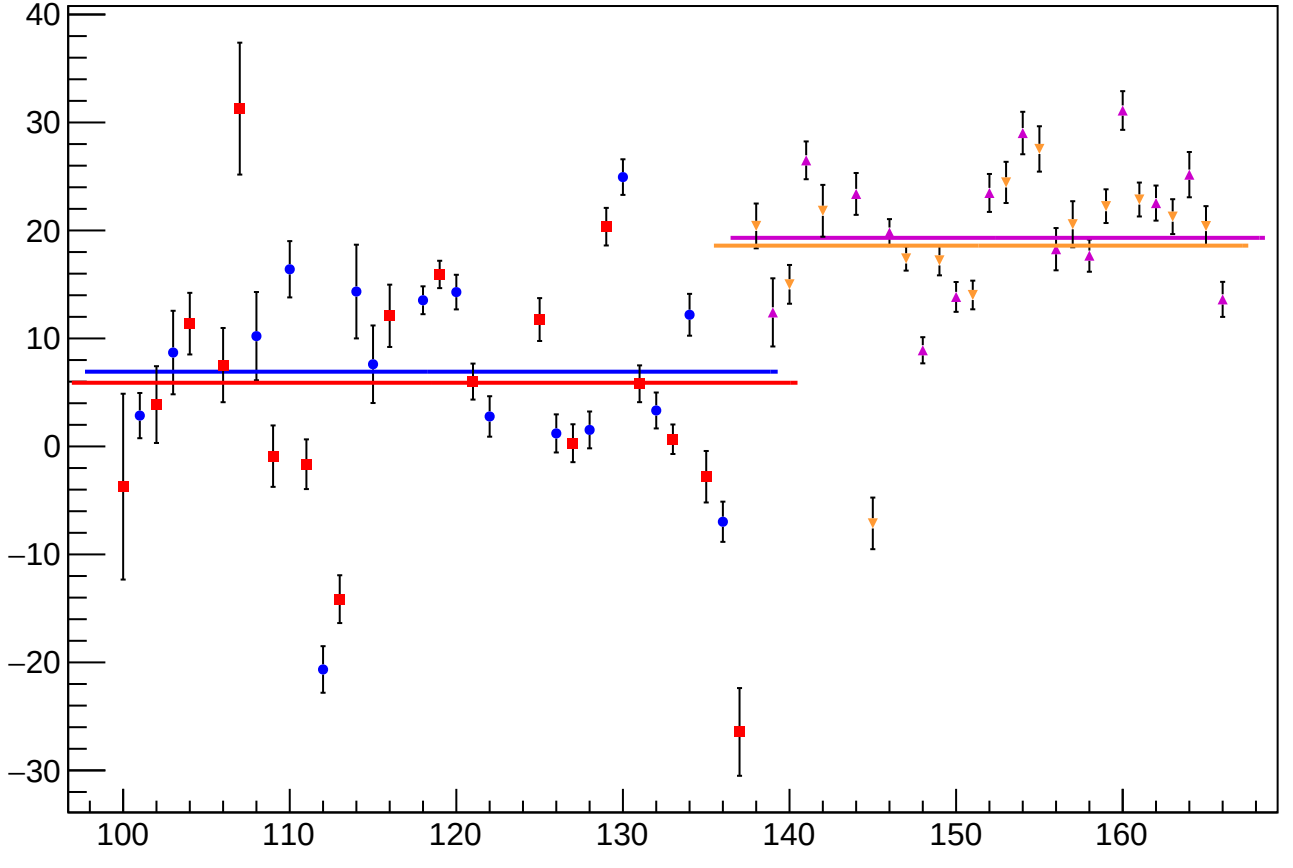
Left: 22.386+/-0.384 χ^2/NDF: 1490.3/27

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 25.138+/-0.358 χ^2/NDF:3191.3/29

Out: 27.725+/-0.366 χ^2/NDF:3982.2/31

All: 26.403+/-0.256 χ^2/NDF: 7199.1/61



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.595+/-0.448 χ^2/NDF:181.4/13

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.316+/-0.442 χ^2/NDF:214.5/13

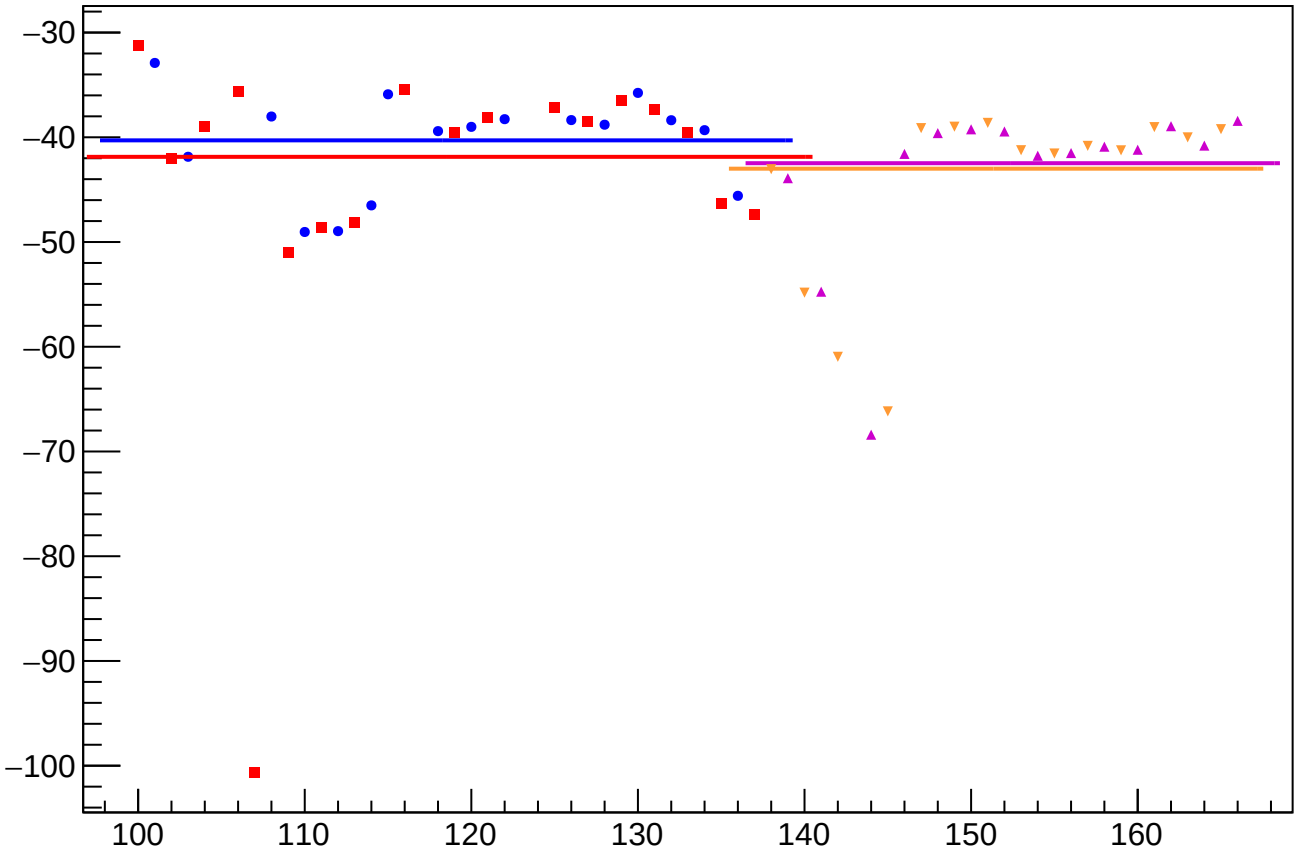
Left: 18.961+/-0.314 χ^2/NDF: 397.2/27

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

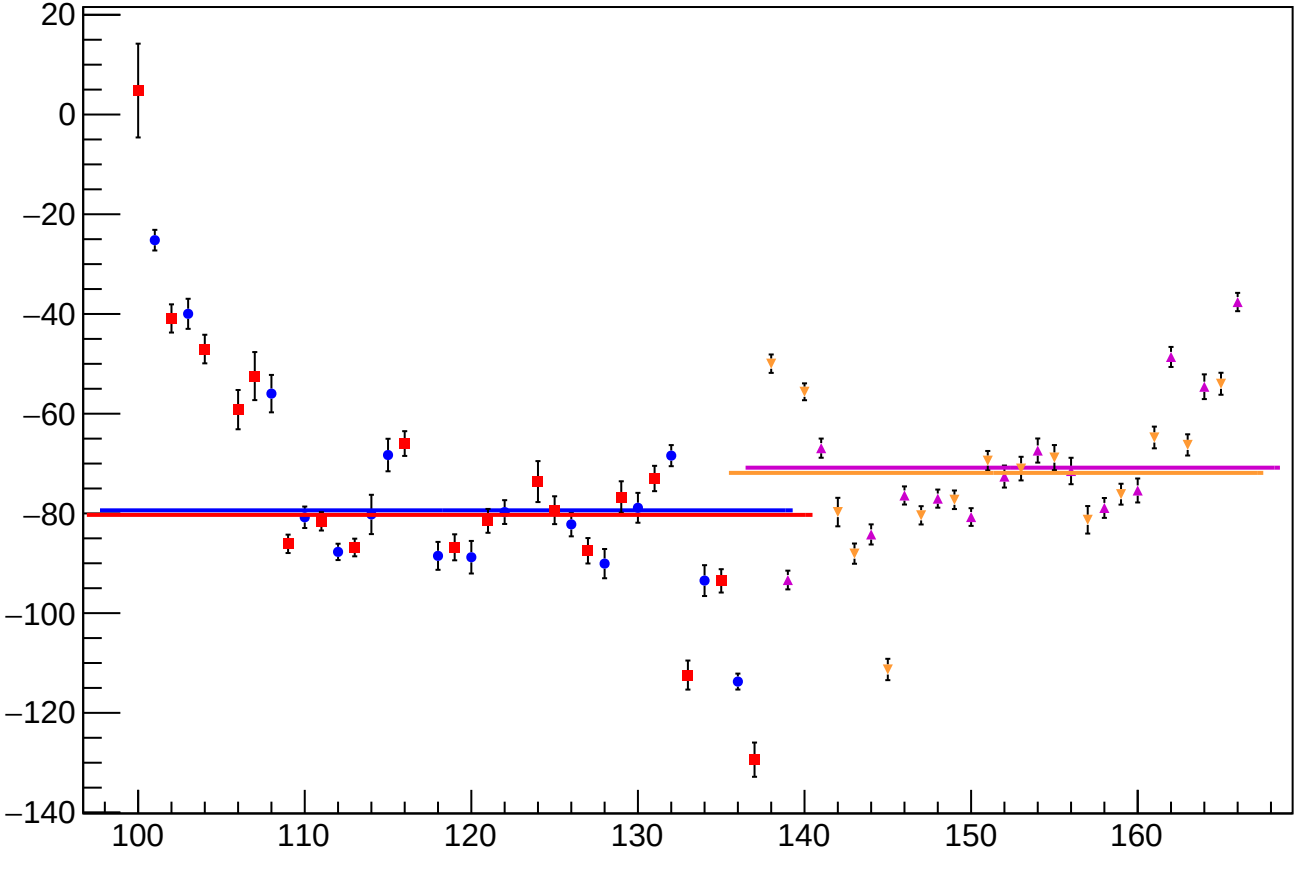
In: 13.831+/-0.330 χ^2/NDF:1007.5/29

Out: 12.961+/-0.334 χ^2/NDF:905.4/31

All: 13.402+/-0.235 χ^2/NDF: 1916.4/61


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -42.998+/-0.021 χ²/NDF:116097.2/13
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -42.474+/-0.020 χ²/NDF:96479.4/13
Left: -42.725+/-0.015 χ²/NDF: 212896.3/27
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -41.833+/-0.017 χ²/NDF:120548.6/29
Out: -42.656+/-0.018 χ²/NDF:175697.5/31
All: -42.229+/-0.012 χ²/NDF: 297372.6/61

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -71.872+/-0.542 χ^2/NDF:775.9/14

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -70.827+/-0.545 χ^2/NDF:759.5/13

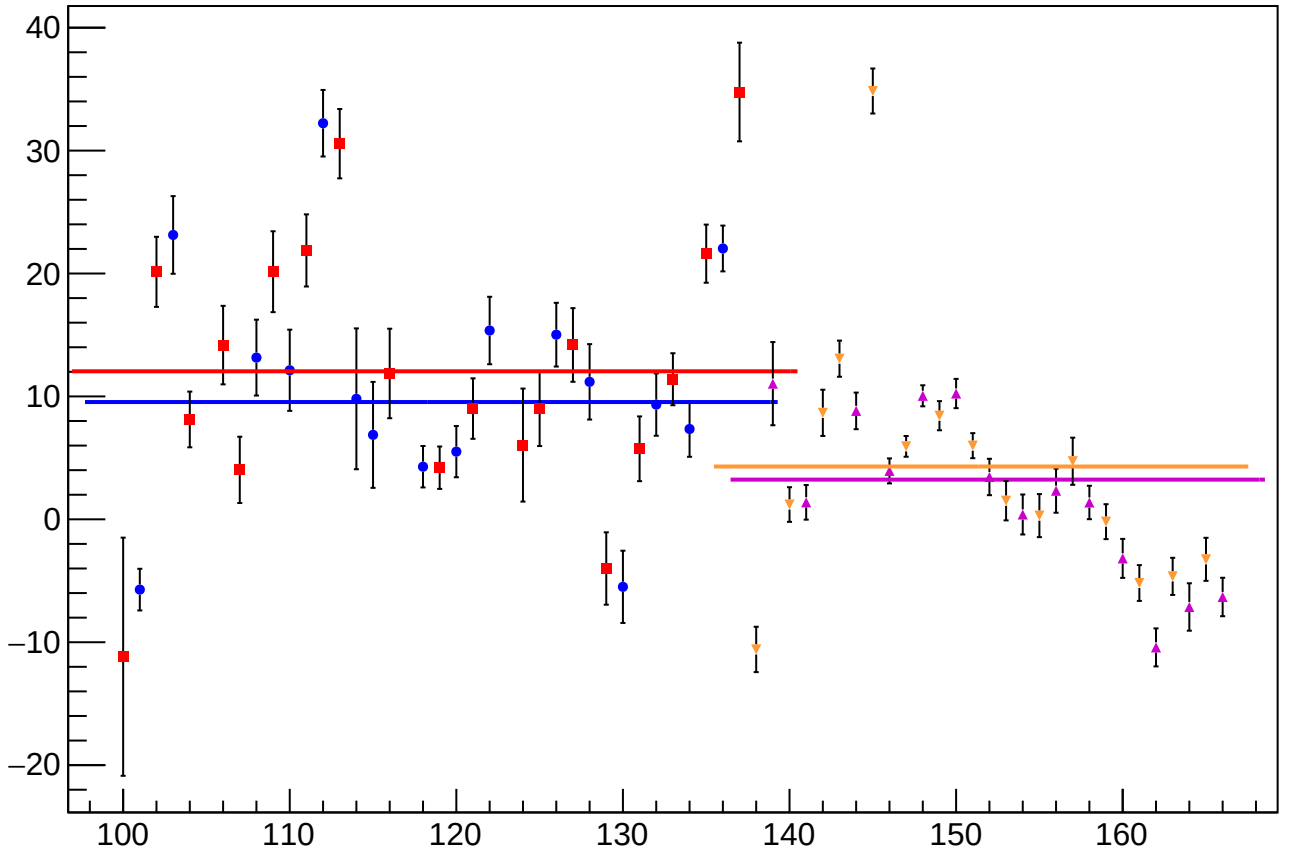
Left: -71.352+/-0.384 χ^2/NDF: 1537.3/28

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

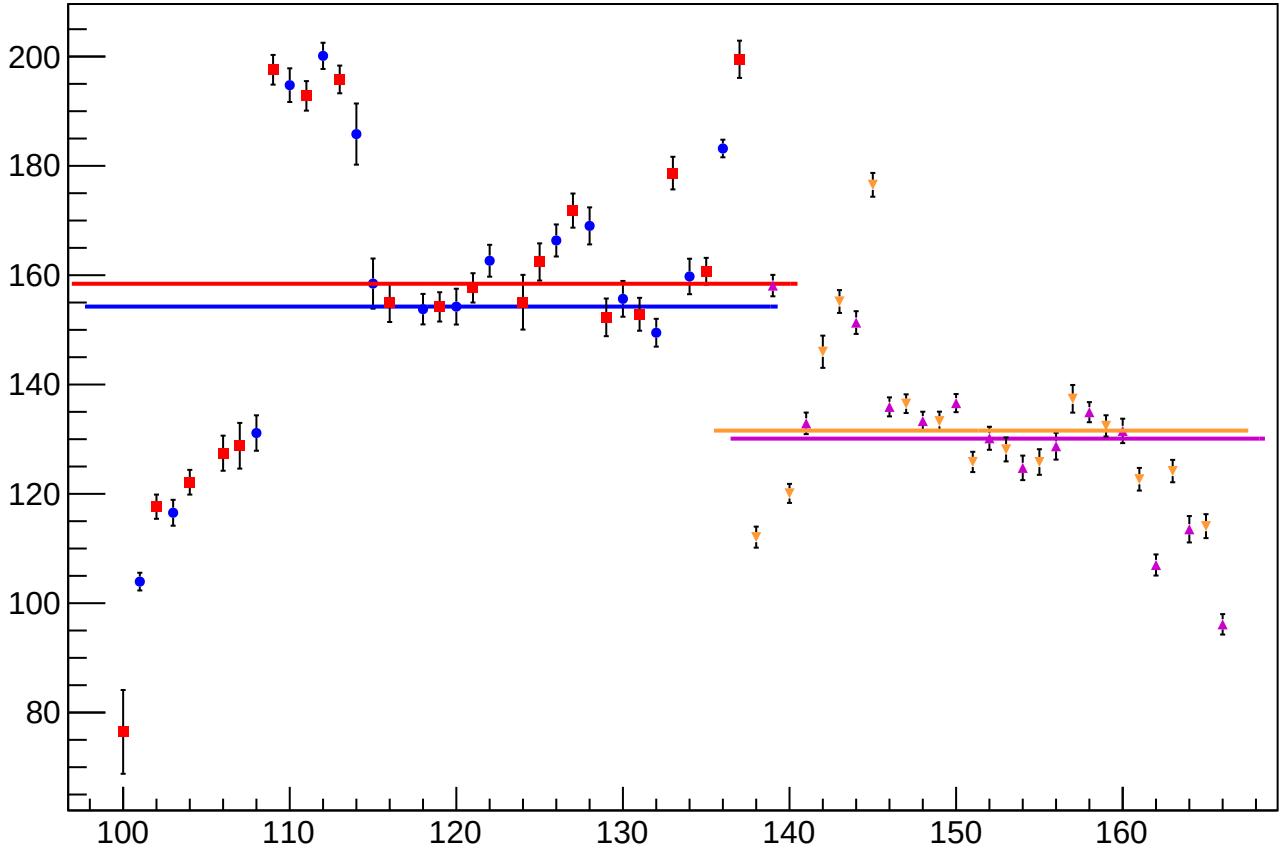
In: -74.614+/-0.407 χ^2/NDF:2344.6/29

Out: -75.626+/-0.403 χ^2/NDF:1798.4/33

All: -75.124+/-0.286 χ^2/NDF: 4146.1/63


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 4.297+/-0.362 χ²/NDF:522.0/14
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.230+/-0.371 χ²/NDF:285.1/13
Left: 3.777+/-0.259 χ²/NDF: 811.4/28
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.891+/-0.319 χ²/NDF:628.3/29
Out: 6.186+/-0.315 χ²/NDF:829.7/33
All: 5.547+/-0.224 χ²/NDF: 1466.4/63

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 131.574+/-0.526 χ^2/NDF:852.0/14

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 130.104+/-0.527 χ^2/NDF:874.1/13

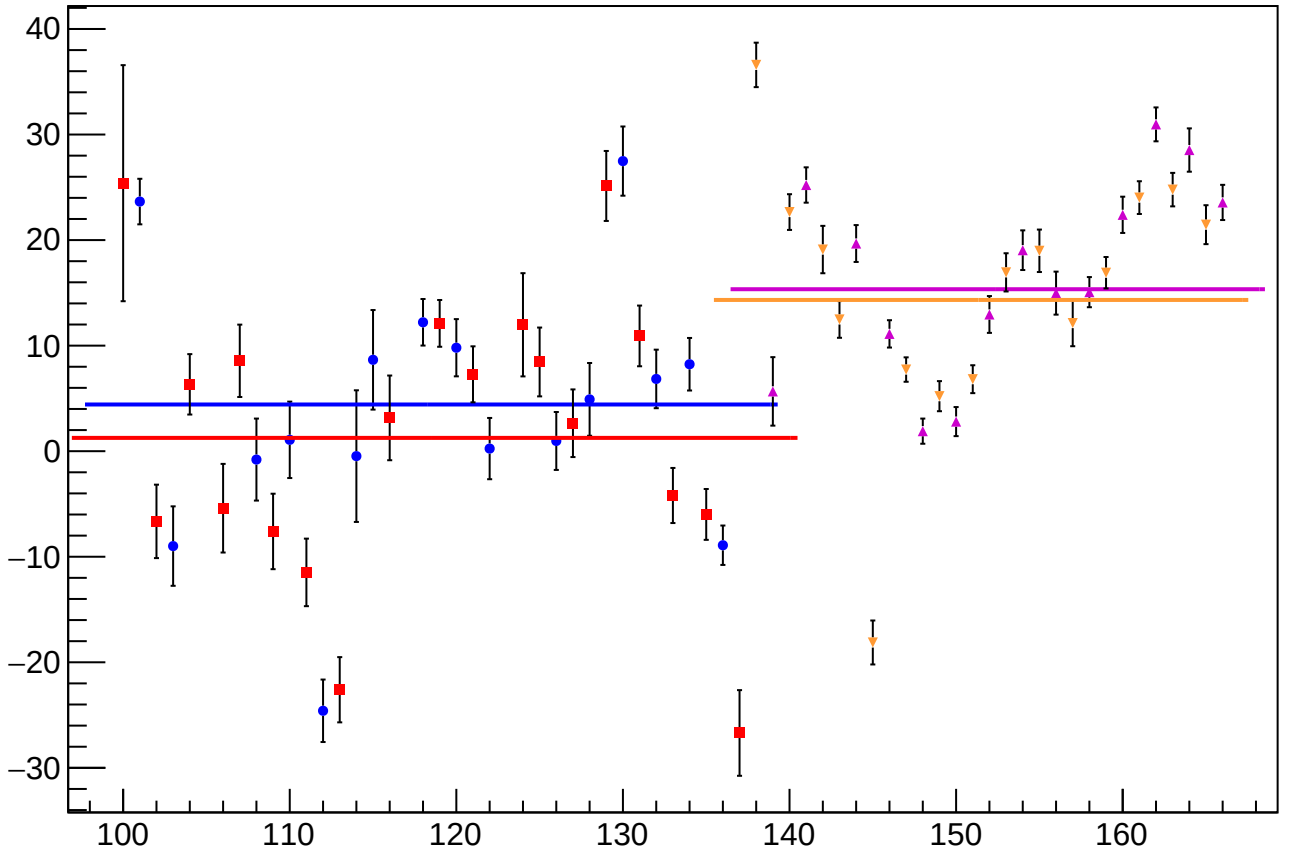
Left: 130.840+/-0.372 χ^2/NDF: 1730.0/28

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 139.477+/-0.412 χ^2/NDF:3903.3/29

Out: 141.590+/-0.417 χ^2/NDF:3487.3/33

All: 140.522+/-0.293 χ^2/NDF: 7403.6/63



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.329+/-0.428 χ^2/NDF:599.1/14

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.345+/-0.435 χ^2/NDF:453.6/13

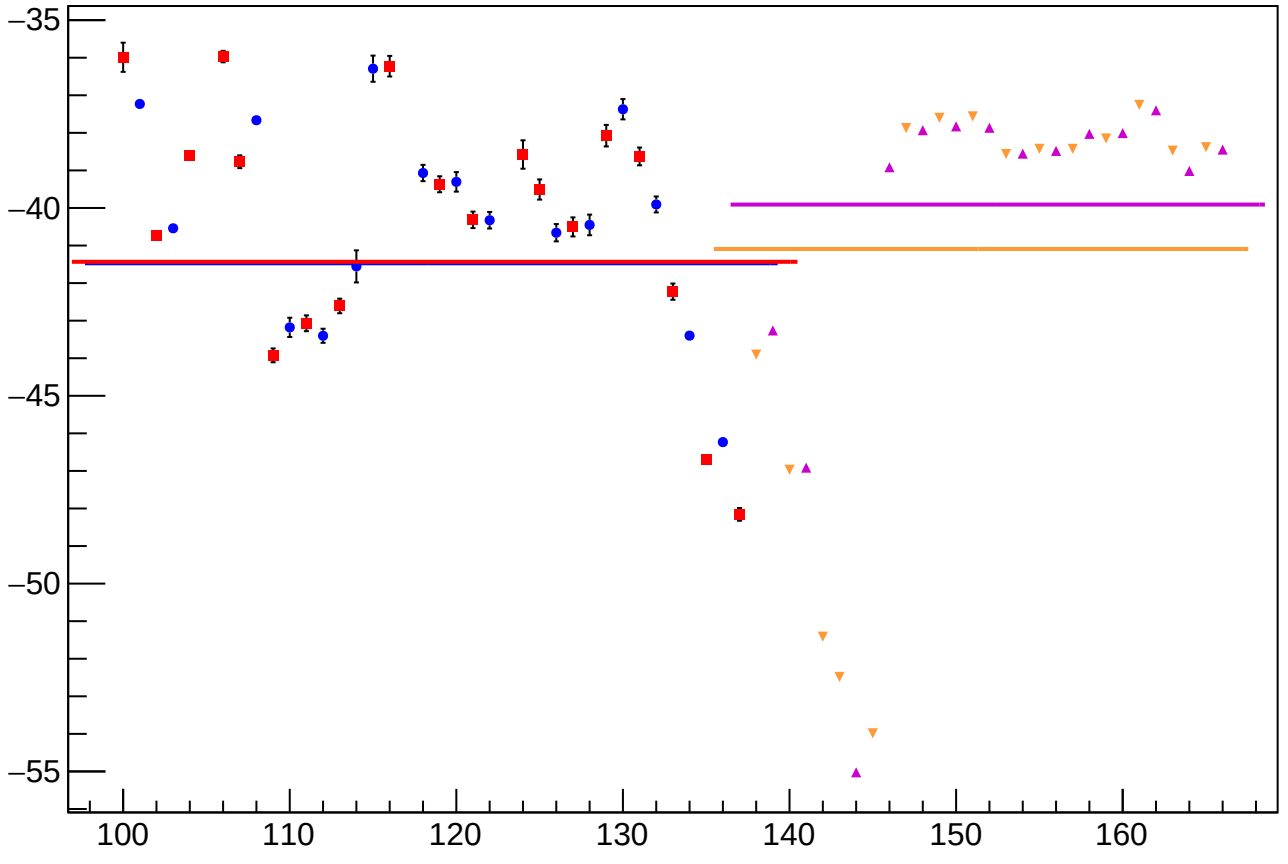
Left: 14.828+/-0.305 χ^2/NDF: 1055.4/28

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.384+/-0.372 χ^2/NDF:940.2/29

Out: 10.999+/-0.369 χ^2/NDF:1101.8/33

All: 11.687+/-0.262 χ^2/NDF: 2048.9/63



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.092+/-0.020 χ^2/NDF:70763.9/14

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.909+/-0.020 χ^2/NDF:42634.2/13

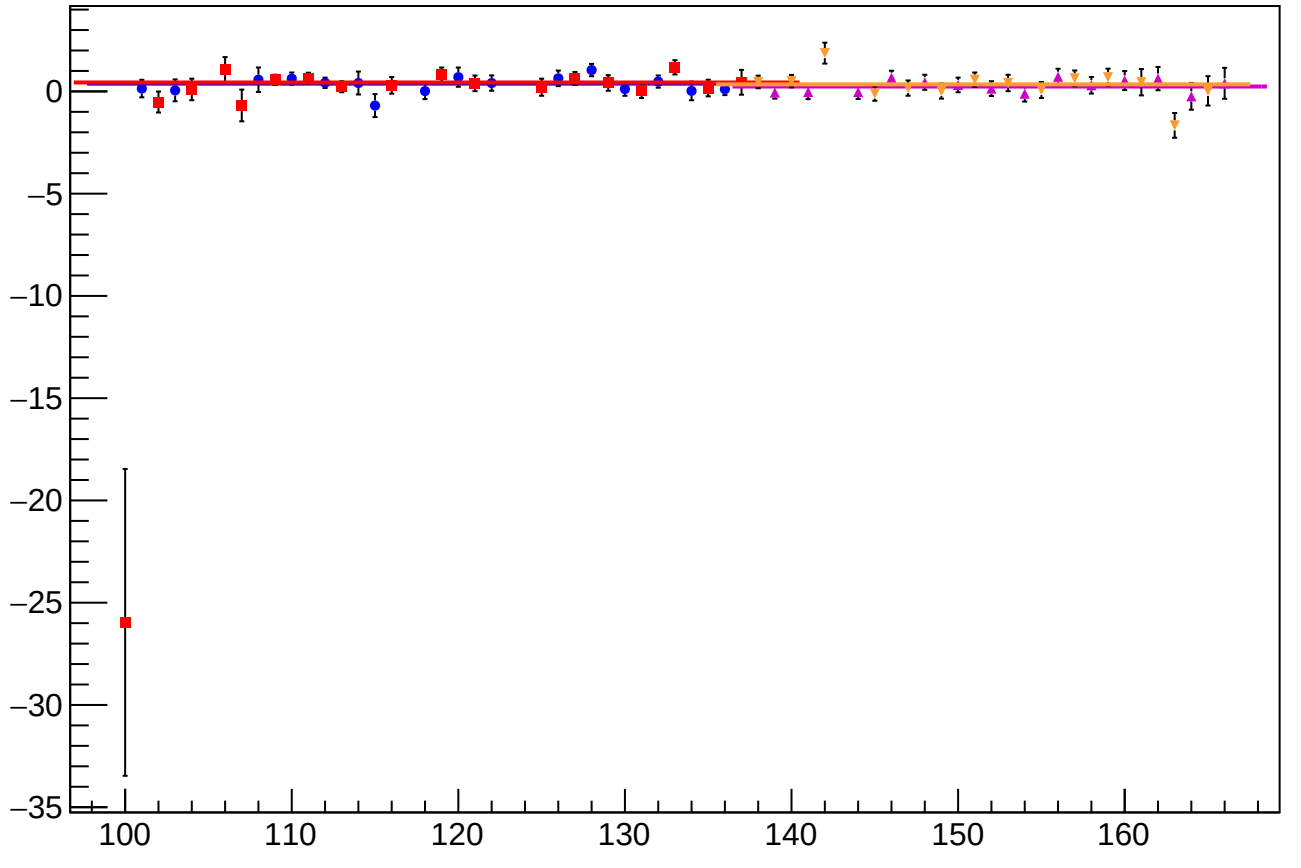
Left: -40.496+/-0.014 χ^2/NDF: 115122.0/28

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.248+/-0.018 χ^2/NDF:51862.7/29

Out: -41.163+/-0.018 χ^2/NDF:79048.4/33

All: -40.699+/-0.013 χ^2/NDF: 132219.6/63



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.344+/-0.107 χ^2/NDF:25.4/13

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.239+/-0.105 χ^2/NDF:8.0/13

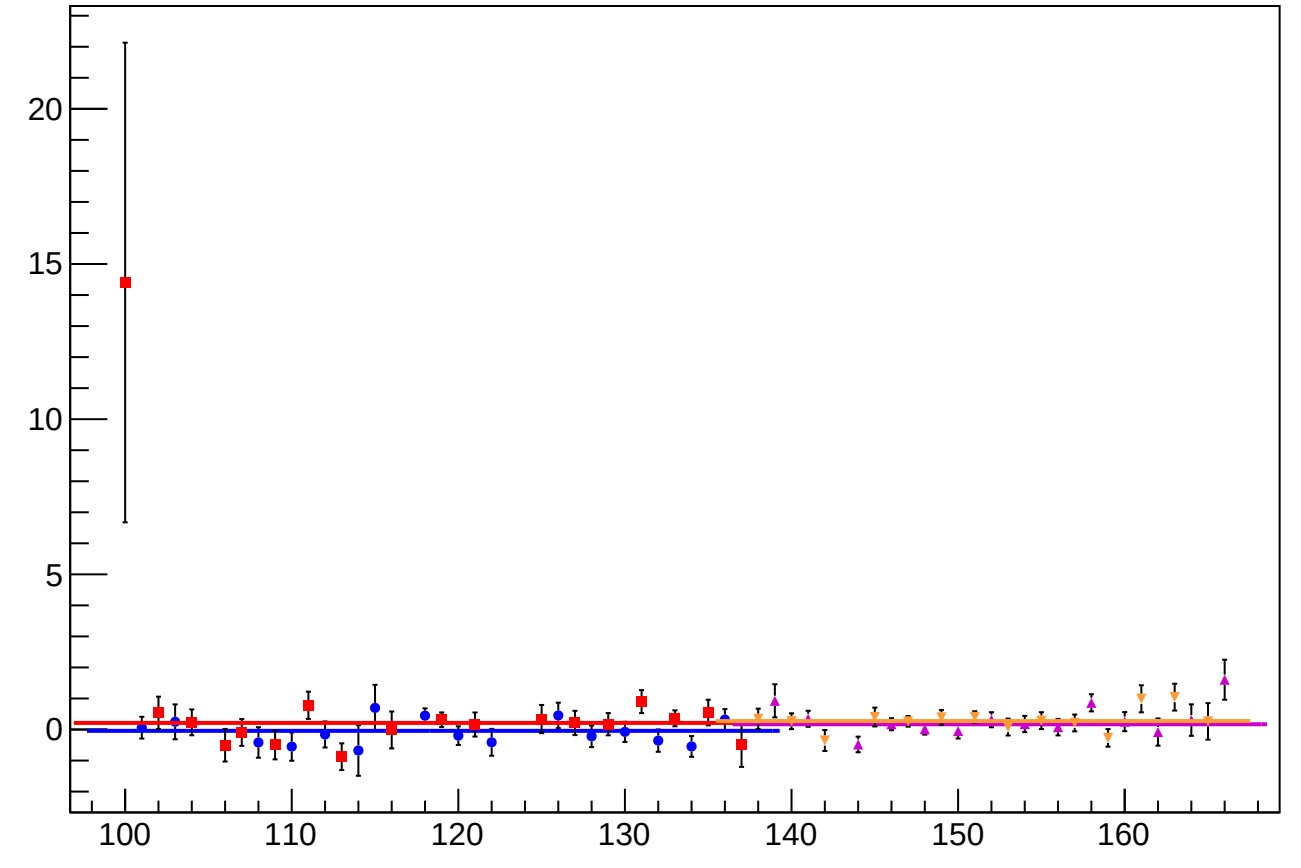
Left: 0.291+/-0.075 χ^2/NDF: 33.9/27

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.320+/-0.069 χ^2/NDF:23.1/29

Out: 0.398+/-0.069 χ^2/NDF:54.8/31

All: 0.359+/-0.049 χ^2/NDF: 78.6/61



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.072 χ^2/NDF:14.5/13

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.169+/-0.072 χ^2/NDF:23.0/13

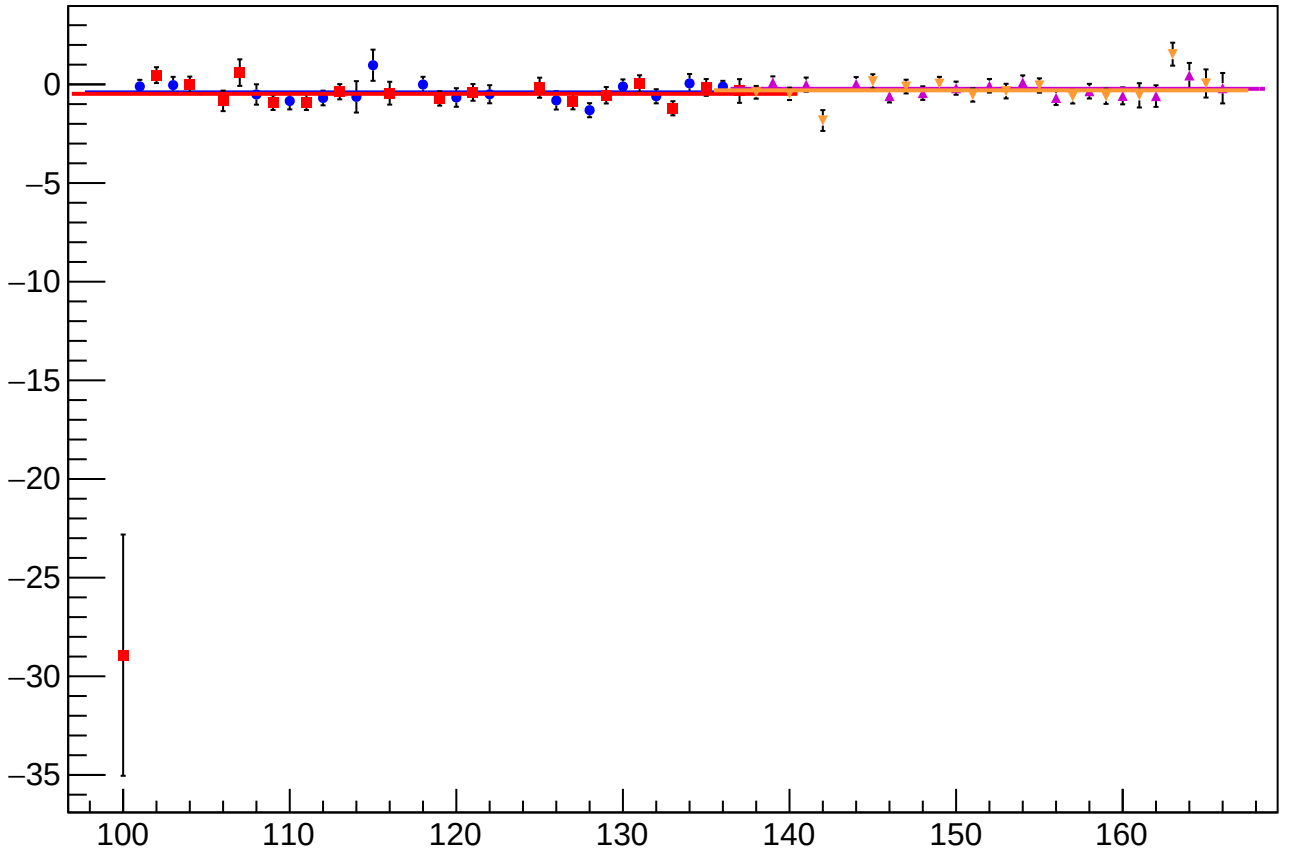
Left: 0.221+/-0.051 χ^2/NDF: 38.5/27

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.091+/-0.057 χ^2/NDF:41.2/29

Out: 0.251+/-0.058 χ^2/NDF:37.2/31

All: 0.170+/-0.041 χ^2/NDF: 82.2/61



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.301+/-0.103 χ^2/NDF:24.4/13

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.224+/-0.101 χ^2/NDF:8.6/13

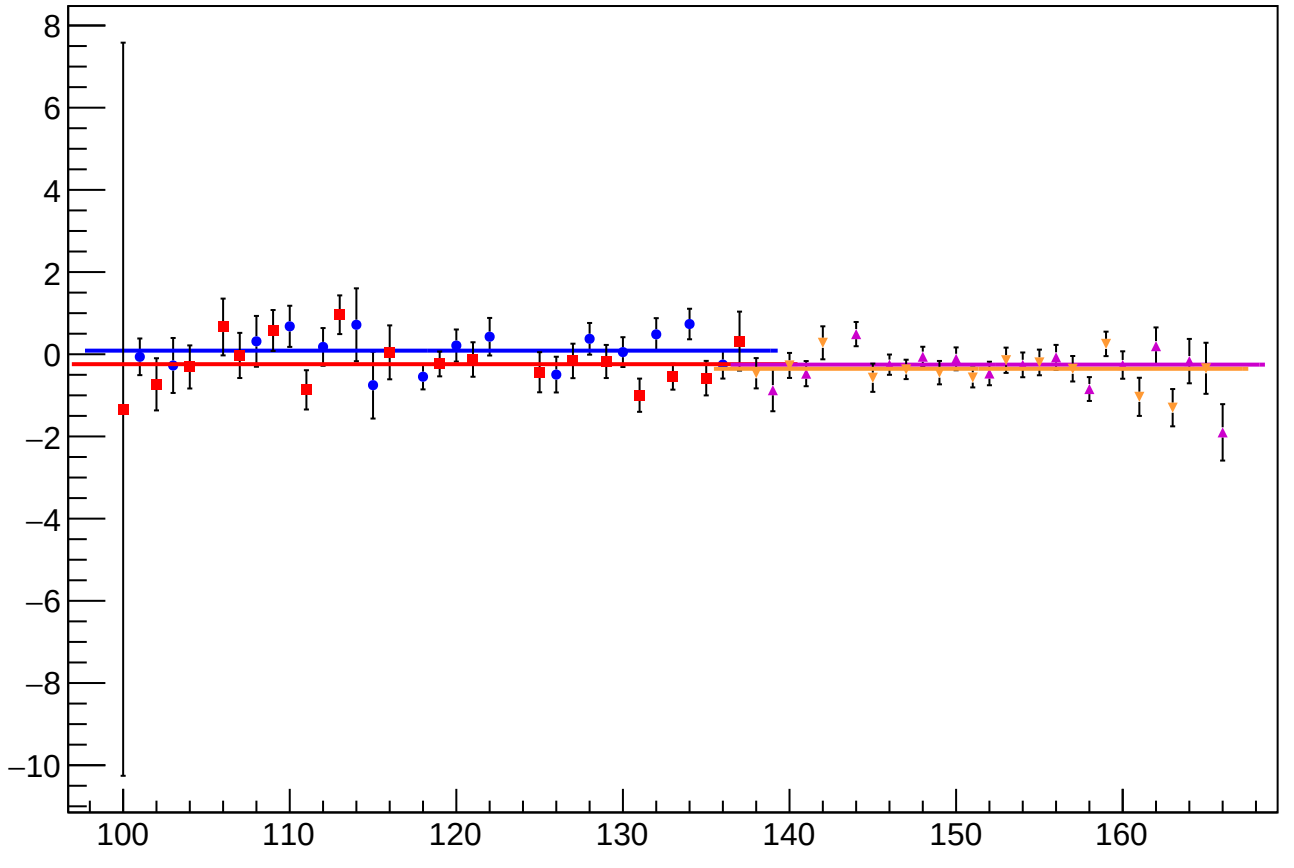
Left: -0.262+/-0.072 χ^2/NDF: 33.2/27

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.313+/-0.072 χ^2/NDF:27.9/29

Out: -0.389+/-0.073 χ^2/NDF:68.1/31

All: -0.351+/-0.052 χ^2/NDF: 96.5/61



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.086 χ^2/NDF:15.3/13

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.252+/-0.085 χ^2/NDF:21.1/13

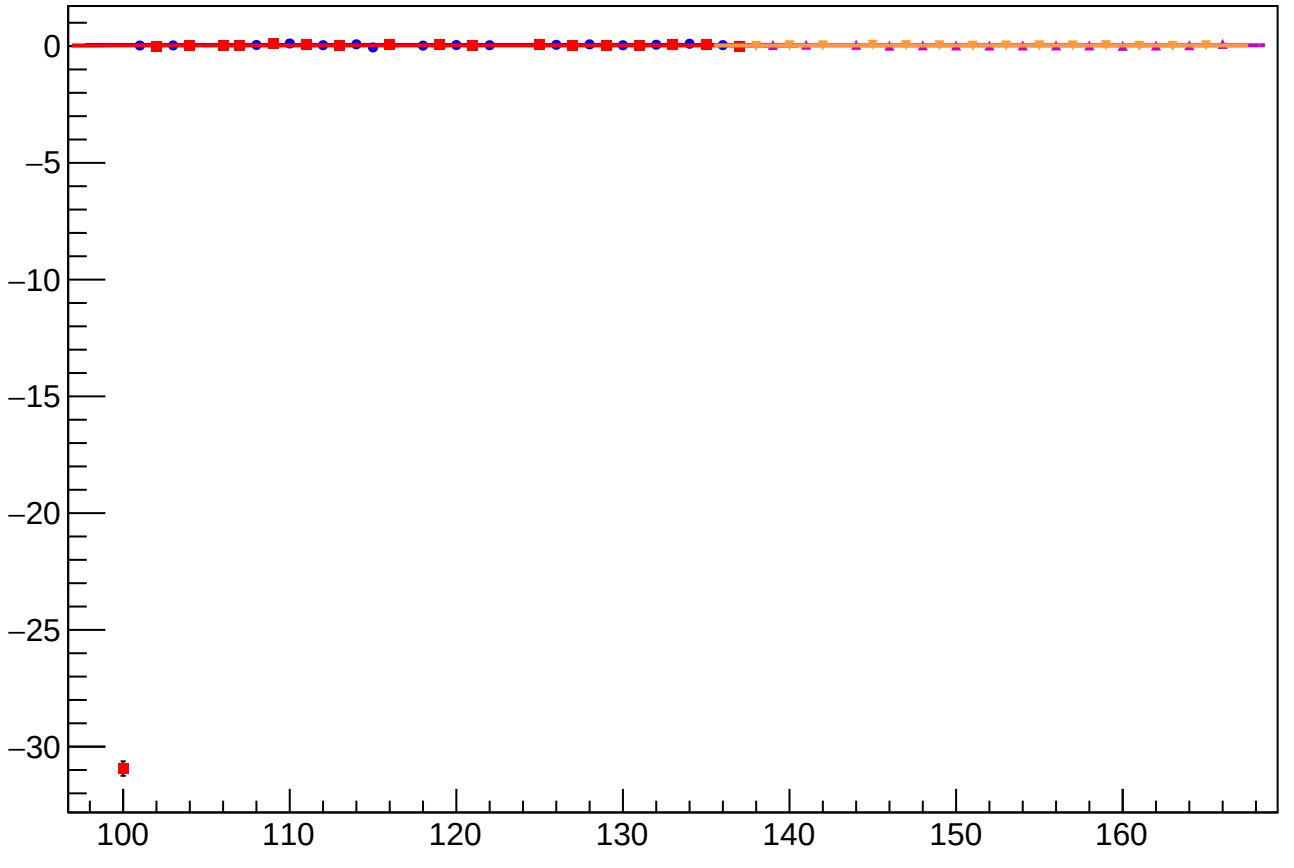
Left: -0.303+/-0.061 χ^2/NDF: 37.1/27

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.122+/-0.067 χ^2/NDF:43.0/29

Out: -0.311+/-0.068 χ^2/NDF:35.6/31

All: -0.216+/-0.048 χ^2/NDF: 82.5/61



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/13

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.036+/-0.004 χ^2/NDF:15.9/13

Left: 0.032+/-0.003 χ^2/NDF: 28.9/27

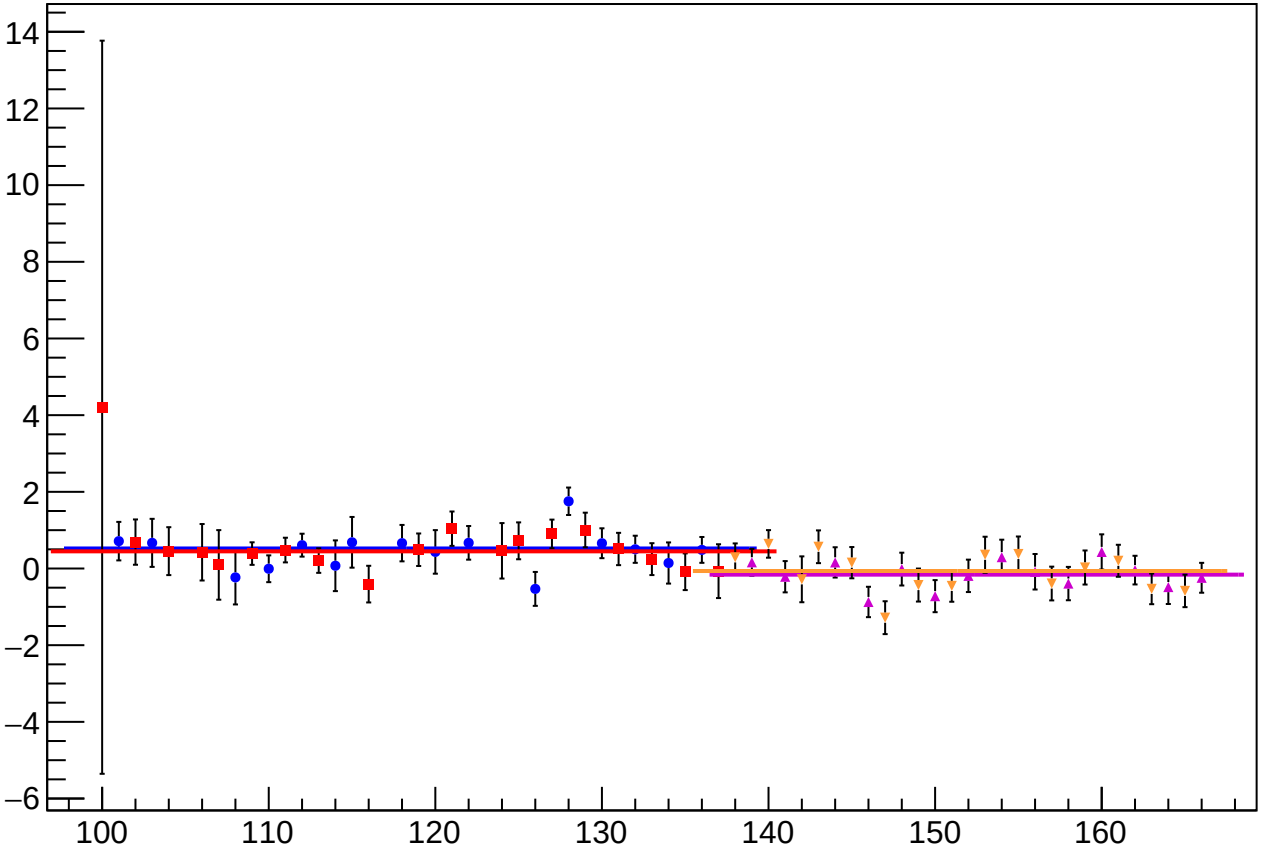
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:38.1/29

Out: 0.027+/-0.003 χ^2/NDF:10031.3/31

All: 0.033+/-0.002 χ^2/NDF: 10076.1/61

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.065+/-0.110 χ^2/NDF:22.7/14

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.160+/-0.110 χ^2/NDF:10.3/13

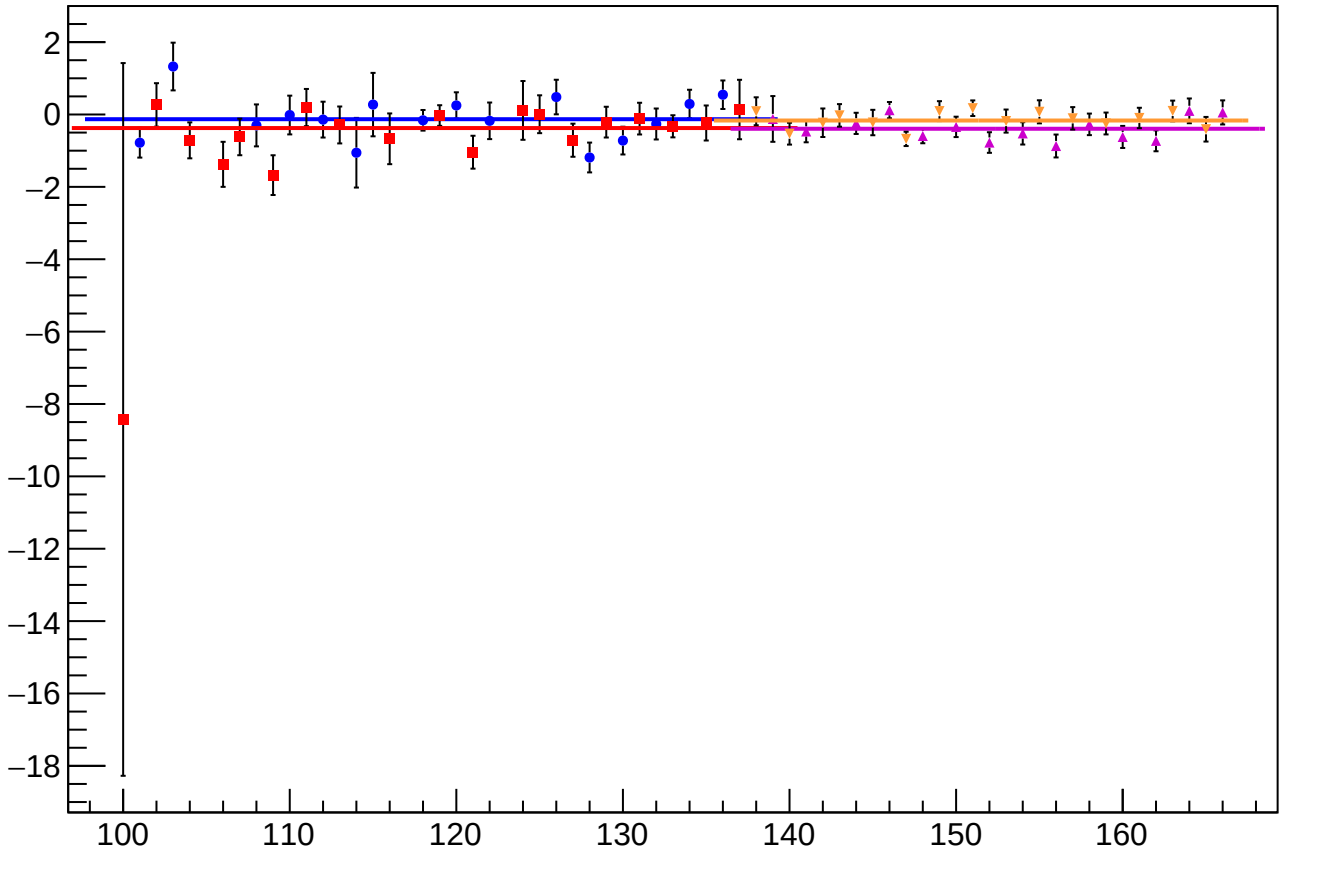
Left: -0.112+/-0.078 χ^2/NDF: 33.4/28

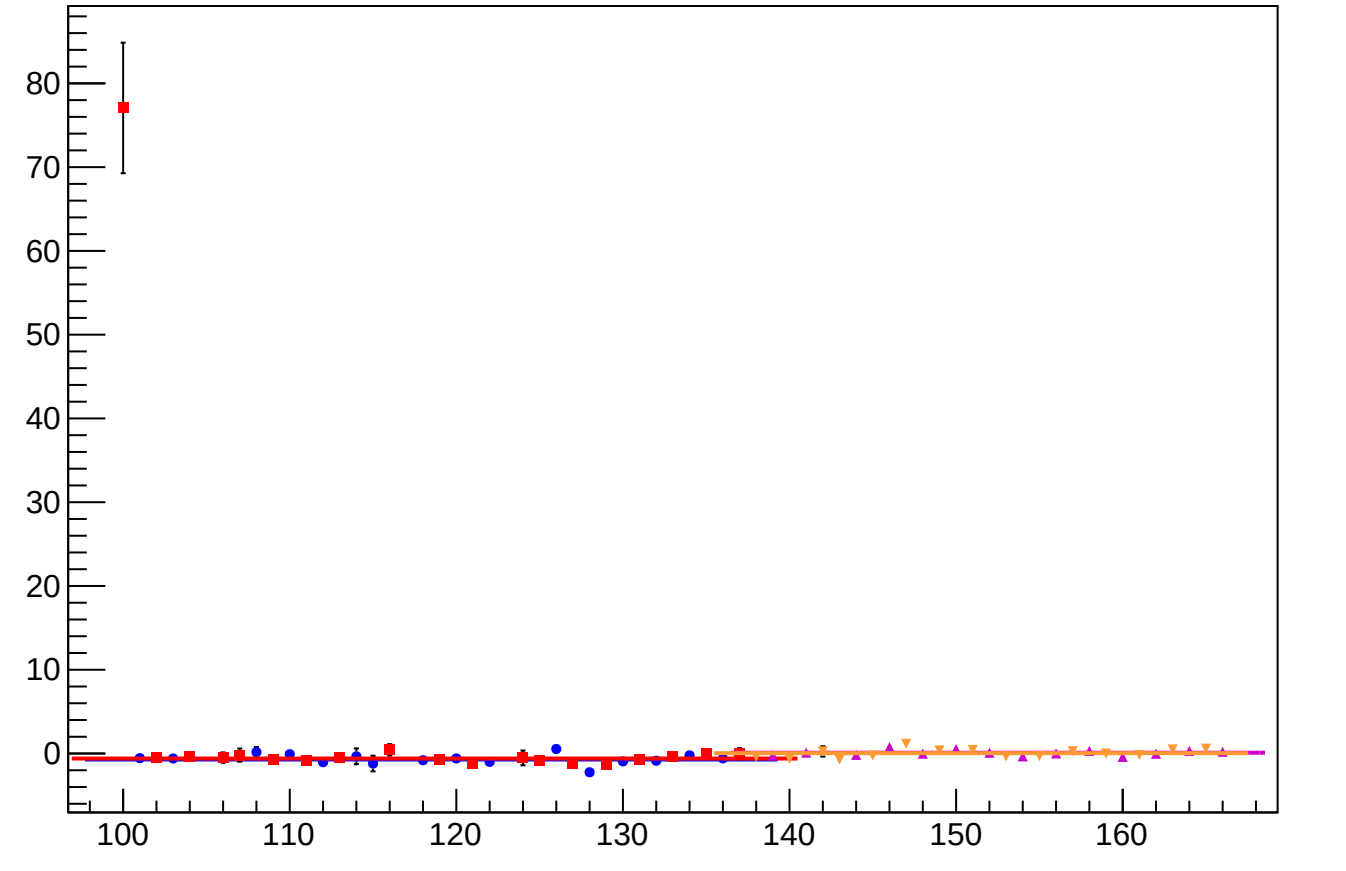
Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.187+/-0.077 χ^2/NDF:52.4/29

Out: 0.202+/-0.076 χ^2/NDF:45.5/33

All: 0.195+/-0.054 χ^2/NDF: 97.9/63


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
Right In: -0.130+/-0.112 χ²/NDF: 24.6/15
Left Out: -0.166+/-0.075 χ²/NDF:14.2/14
Right Out: -0.375+/-0.111 χ²/NDF: 18.2/18
Left In: -0.394+/-0.077 χ²/NDF:16.9/13
Left: -0.277+/-0.054 χ²/NDF: 35.6/28
Right: -0.253+/-0.079 χ²/NDF: 45.2/34
In: -0.308+/-0.064 χ²/NDF:45.3/29
Out: -0.231+/-0.062 χ²/NDF:34.8/33
All: -0.269+/-0.044 χ²/NDF: 80.9/63



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.043+/-0.106 χ^2/NDF:22.6/14

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.095+/-0.107 χ^2/NDF:8.8/13

Left: 0.069+/-0.075 χ^2/NDF: 31.5/28

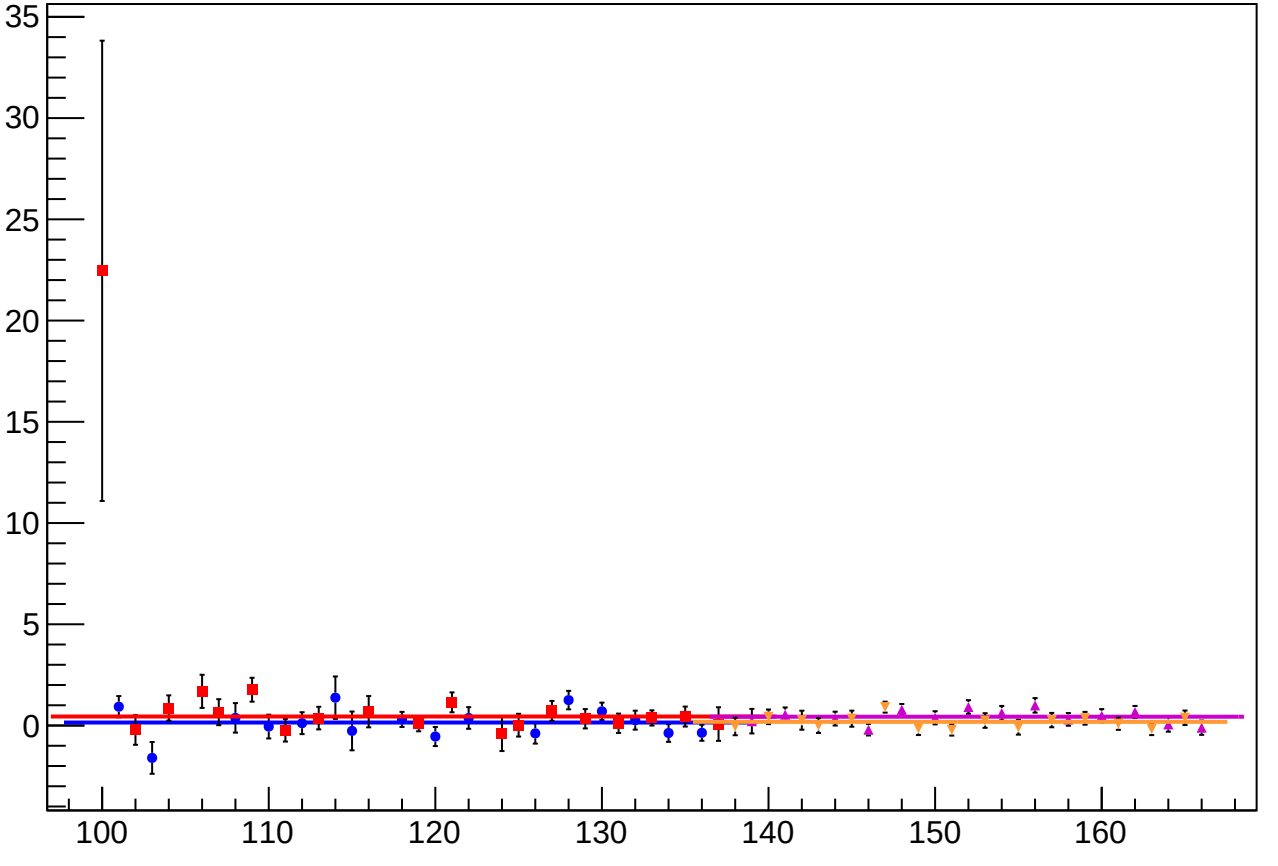
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.257+/-0.080 χ^2/NDF:58.6/29

Out: -0.234+/-0.080 χ^2/NDF:149.3/33

All: -0.246+/-0.057 χ^2/NDF: 207.9/63

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.182+/-0.088 χ^2/NDF:14.1/14

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.435+/-0.090 χ^2/NDF:15.9/13

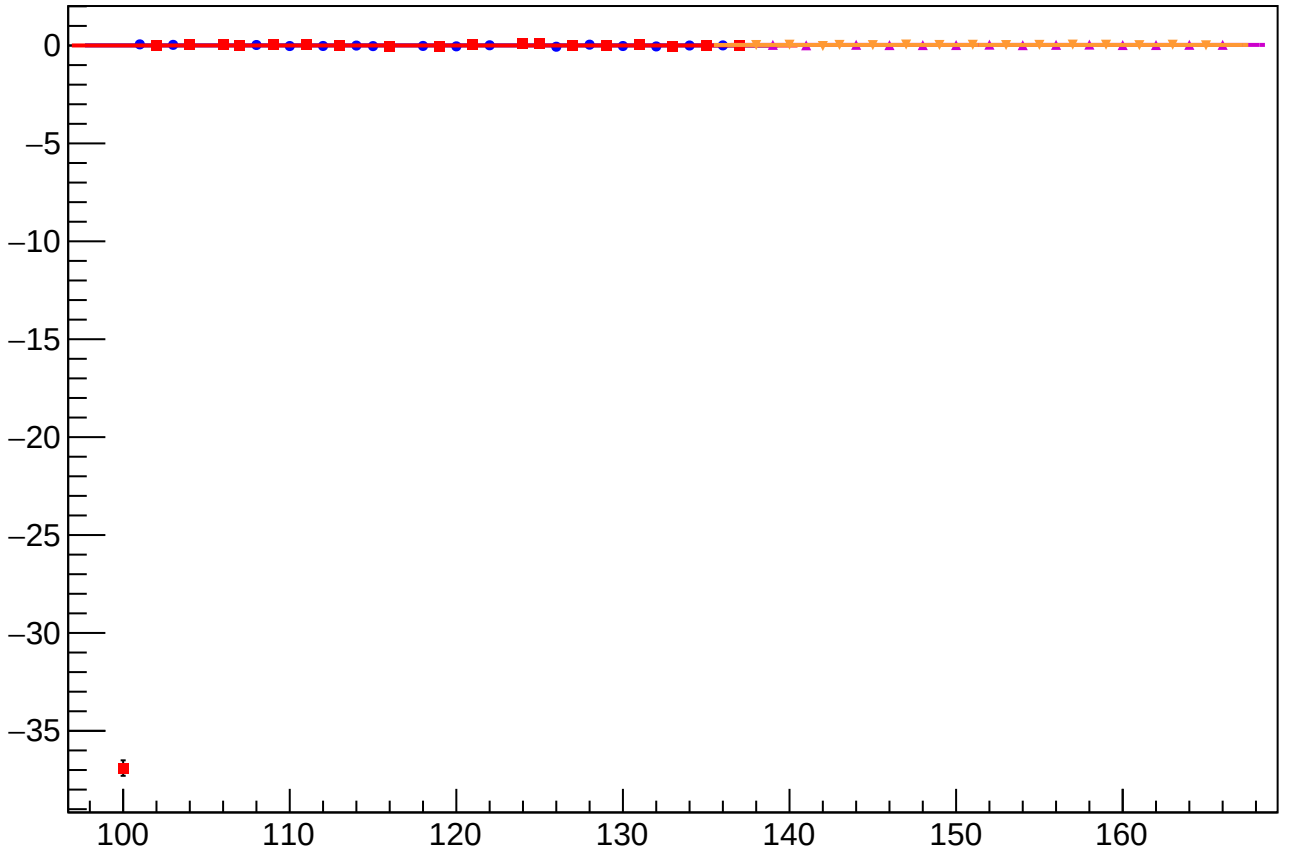
Left: 0.306+/-0.063 χ^2/NDF: 34.0/28

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.340+/-0.073 χ^2/NDF:42.5/29

Out: 0.266+/-0.072 χ^2/NDF:36.7/33

All: 0.303+/-0.052 χ^2/NDF: 79.7/63



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.029+/-0.004 χ^2/NDF:12.6/14

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.031+/-0.004 χ^2/NDF:5.5/13

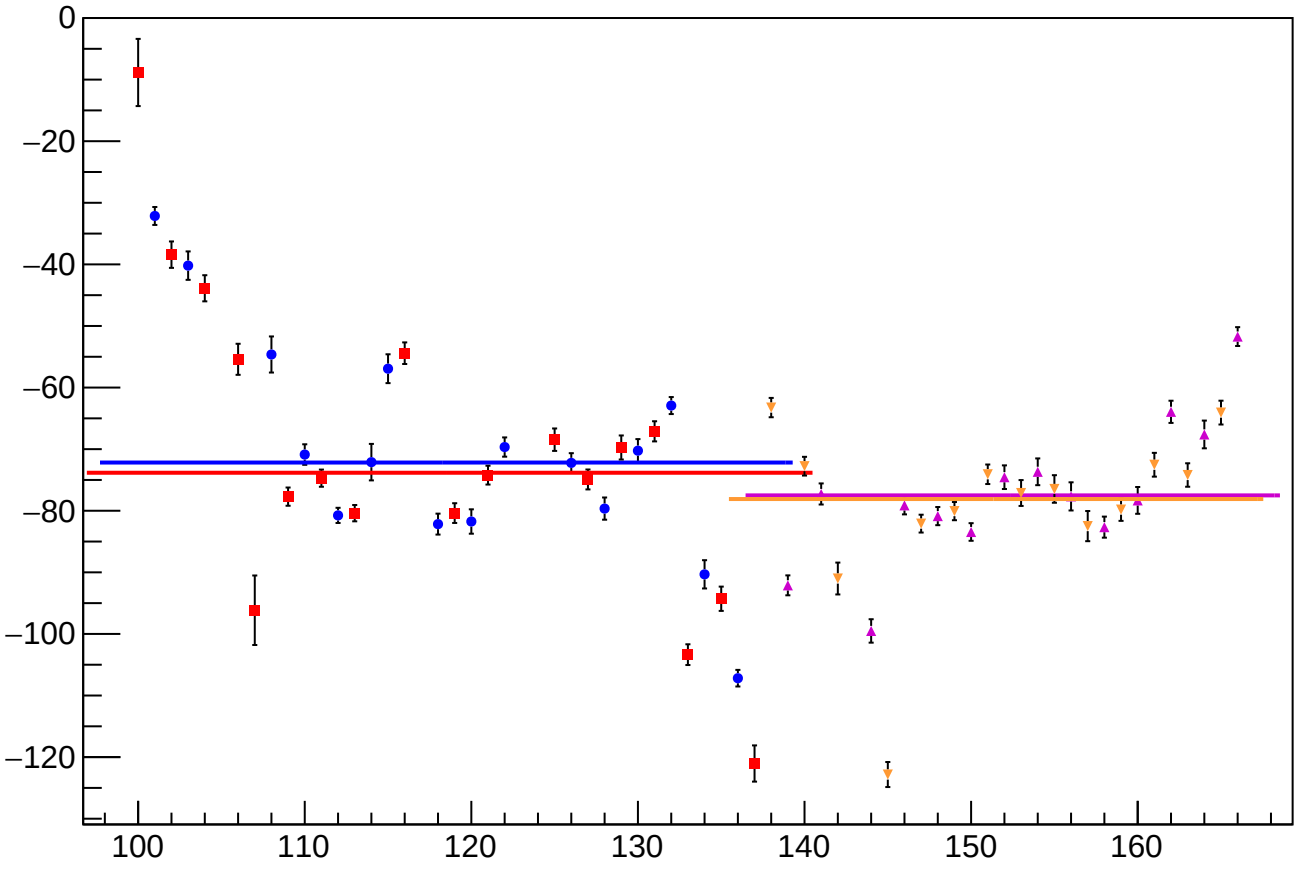
Left: 0.030+/-0.003 χ^2/NDF: 18.2/28

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.025+/-0.004 χ^2/NDF:31.6/29

Out: 0.023+/-0.004 χ^2/NDF:8775.6/33

All: 0.024+/-0.002 χ^2/NDF: 8807.4/63



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -78.098+/-0.484 χ^2/NDF:697.0/13

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -77.506+/-0.467 χ^2/NDF:613.8/13

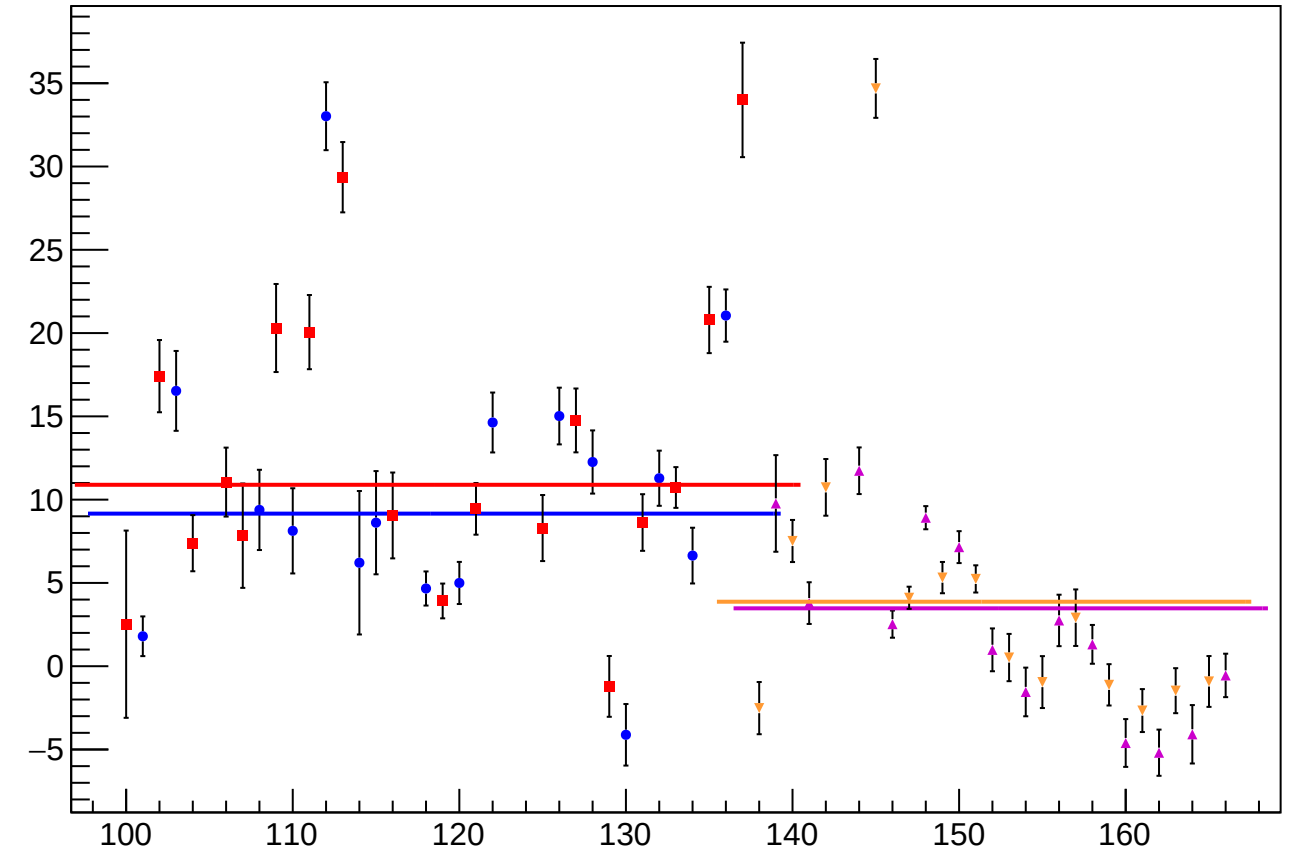
Left: -77.792+/-0.336 χ^2/NDF: 1311.6/27

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -74.629+/-0.317 χ^2/NDF:2620.0/29

Out: -75.716+/-0.322 χ^2/NDF:2298.0/31

All: -75.165+/-0.226 χ^2/NDF: 4923.8/61



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.872+/-0.315 χ^2/NDF:433.3/13

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 3.474+/-0.315 χ^2/NDF:235.2/13

Left: 3.673+/-0.223 χ^2/NDF: 669.3/27

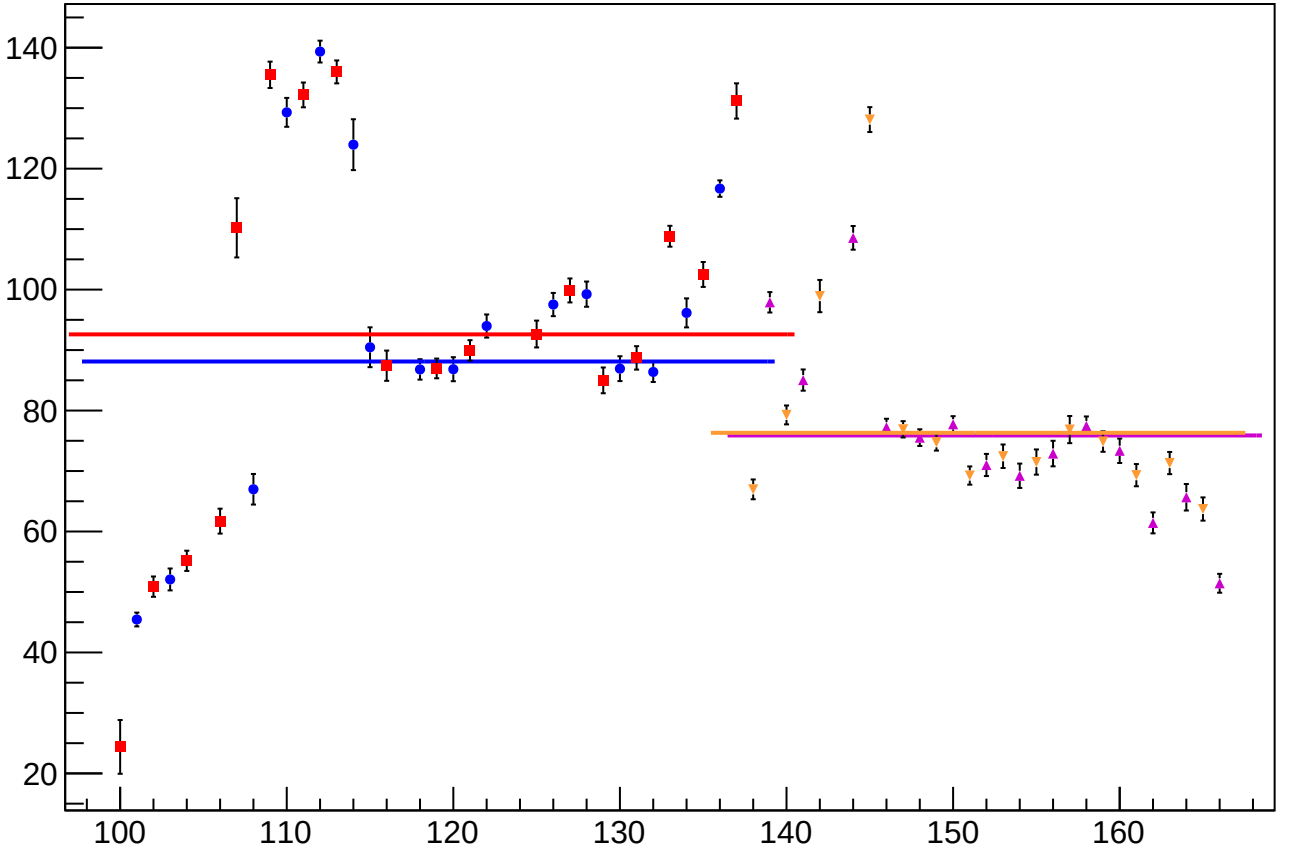
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 5.490+/-0.253 χ^2/NDF:702.8/29

Out: 6.251+/-0.256 χ^2/NDF:891.7/31

All: 5.866+/-0.180 χ^2/NDF: 1599.0/61

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 76.318+/-0.467 χ^2/NDF:839.8/13

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.883+/-0.452 χ^2/NDF:838.4/13

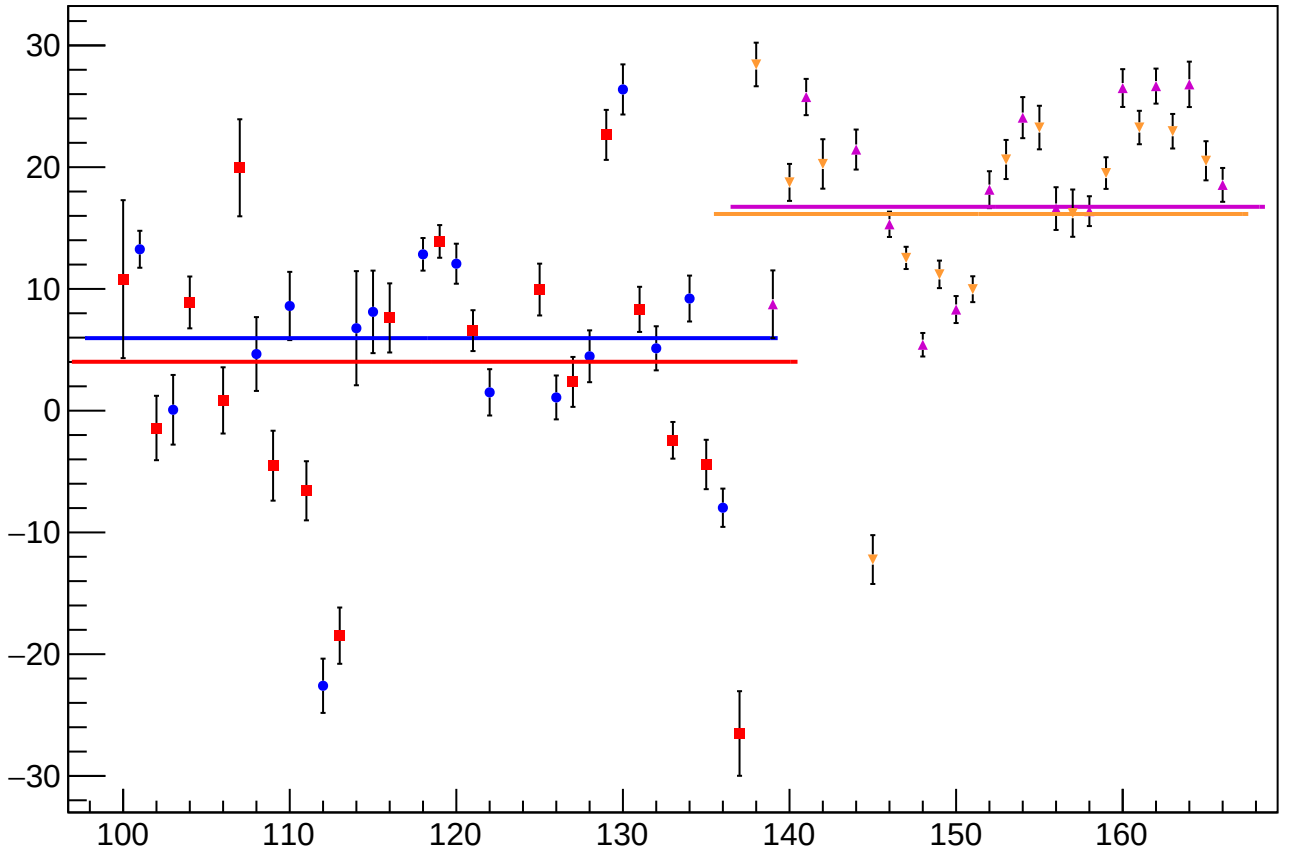
Left: 76.093+/-0.325 χ^2/NDF: 1678.6/27

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 81.772+/-0.325 χ^2/NDF:4753.0/29

Out: 84.185+/-0.336 χ^2/NDF:4637.3/31

All: 82.940+/-0.234 χ^2/NDF: 9416.9/61



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.156+/-0.376 χ^2/NDF:410.2/13

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.745+/-0.372 χ^2/NDF:388.0/13

Left: 16.454+/-0.264 χ^2/NDF: 799.4/27

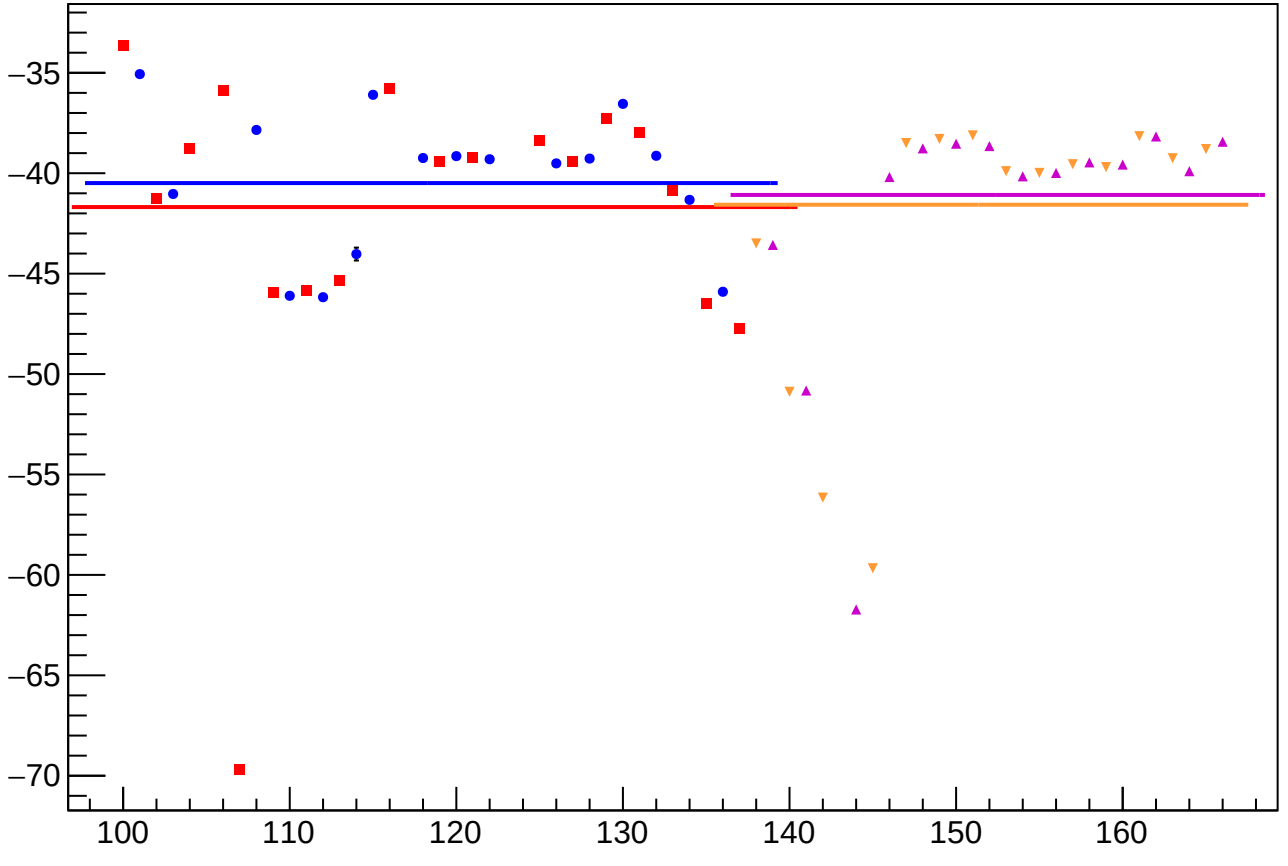
Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.853+/-0.297 χ^2/NDF:1118.7/29

Out: 11.879+/-0.302 χ^2/NDF:1195.4/31

All: 12.374+/-0.212 χ^2/NDF: 2319.3/61

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.569+/-0.018 χ^2/NDF:103640.0/13

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.081+/-0.017 χ^2/NDF:86448.7/13

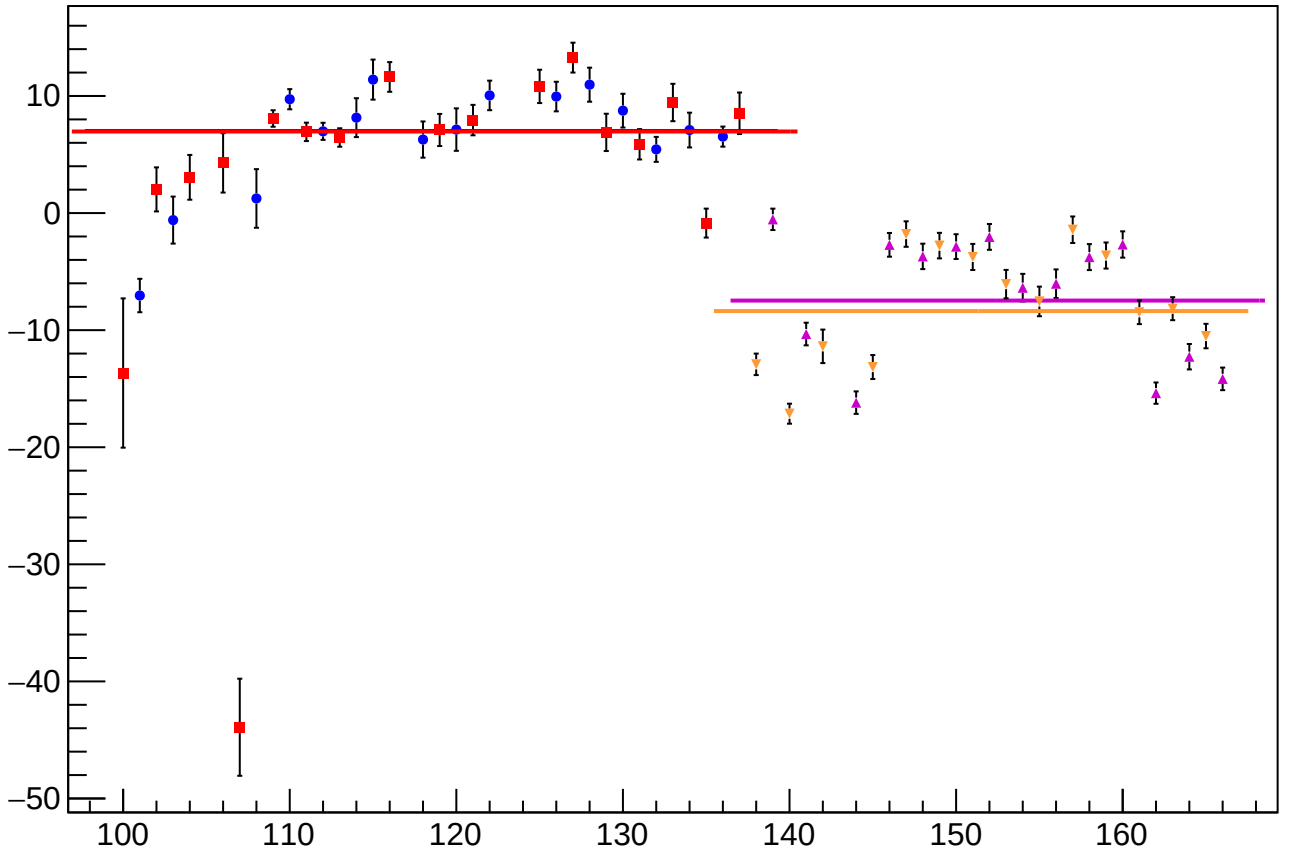
Left: -41.315+/-0.012 χ^2/NDF: 190472.5/27

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.922+/-0.015 χ^2/NDF:104891.6/29

Out: -41.601+/-0.015 χ^2/NDF:140490.1/31

All: -41.248+/-0.011 χ^2/NDF: 246404.7/61



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.370+/-0.285 χ^2/NDF:299.8/13

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -7.474+/-0.277 χ^2/NDF:401.0/13

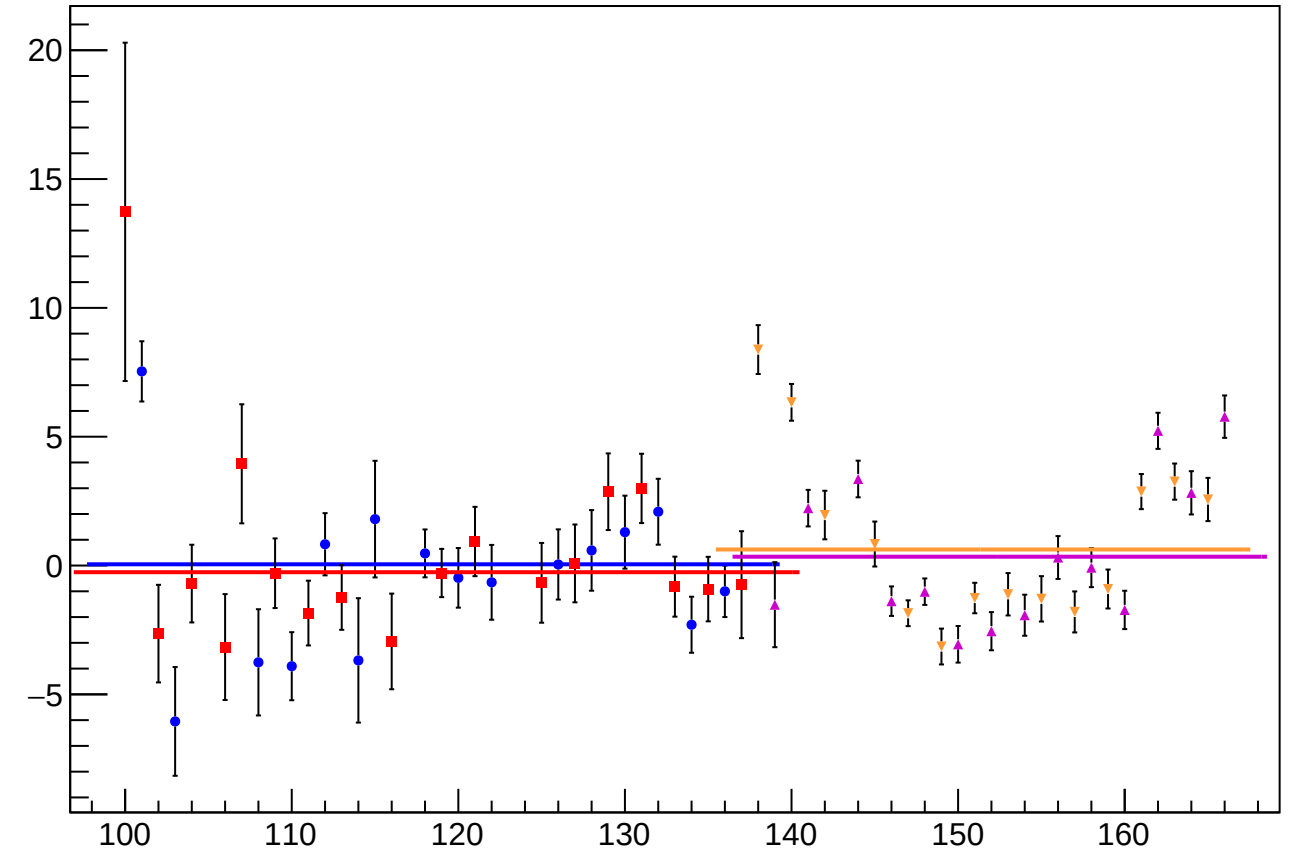
Left: -7.909+/-0.199 χ^2/NDF: 705.9/27

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -1.022+/-0.206 χ^2/NDF:1773.9/29

Out: -1.046+/-0.206 χ^2/NDF:1948.1/31

All: -1.034+/-0.146 χ^2/NDF: 3721.9/61



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.623+/-0.196 χ^2/NDF:249.8/13

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.343+/-0.194 χ^2/NDF:197.7/13

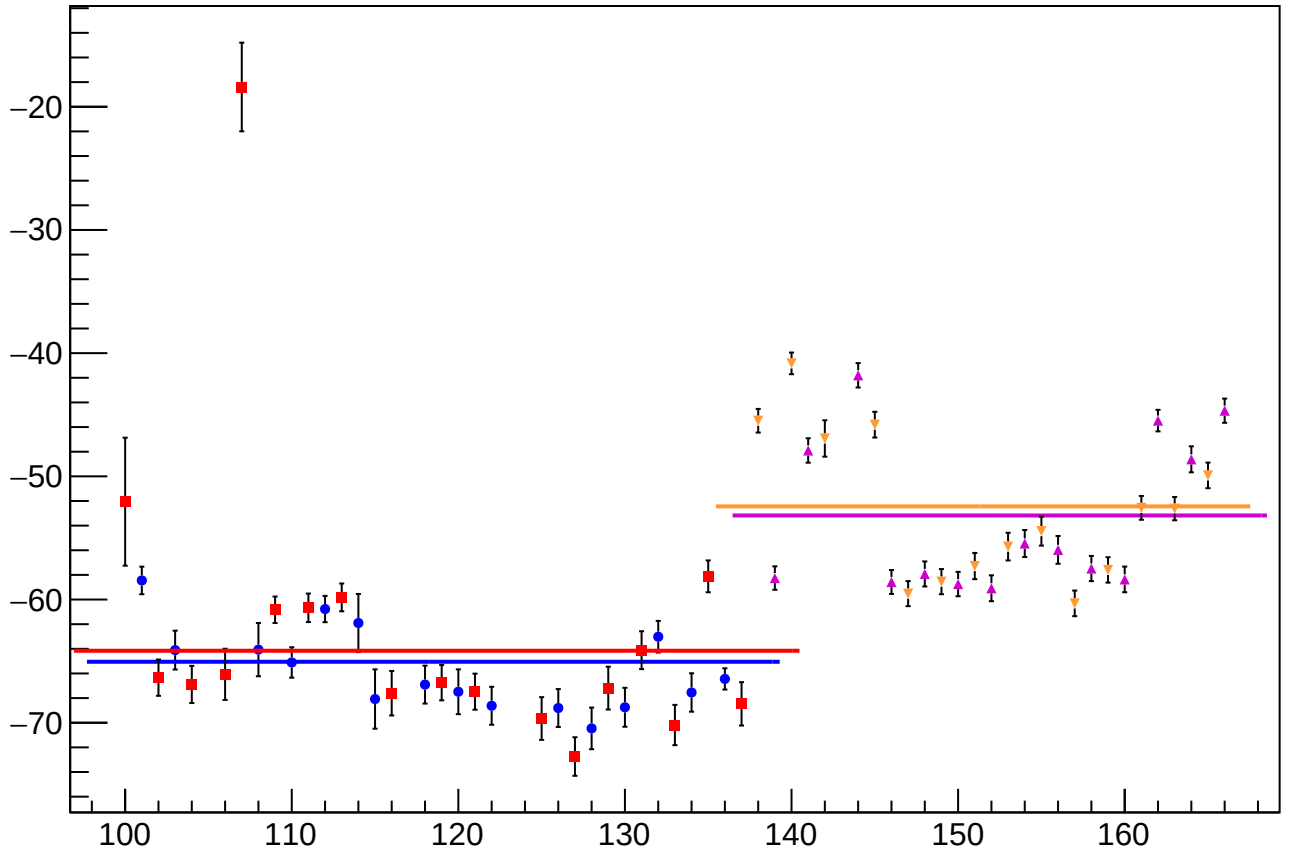
Left: 0.482+/-0.138 χ^2/NDF: 448.6/27

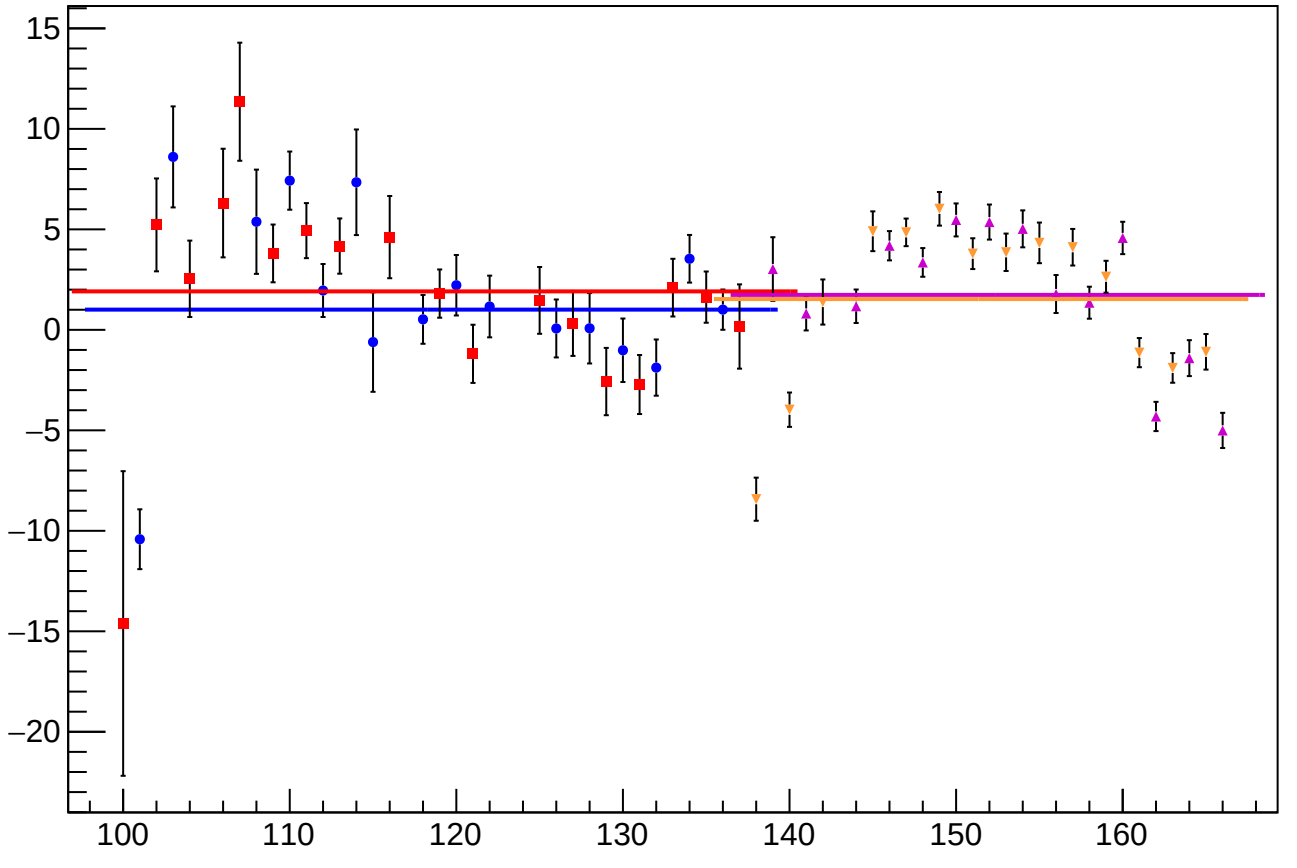
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

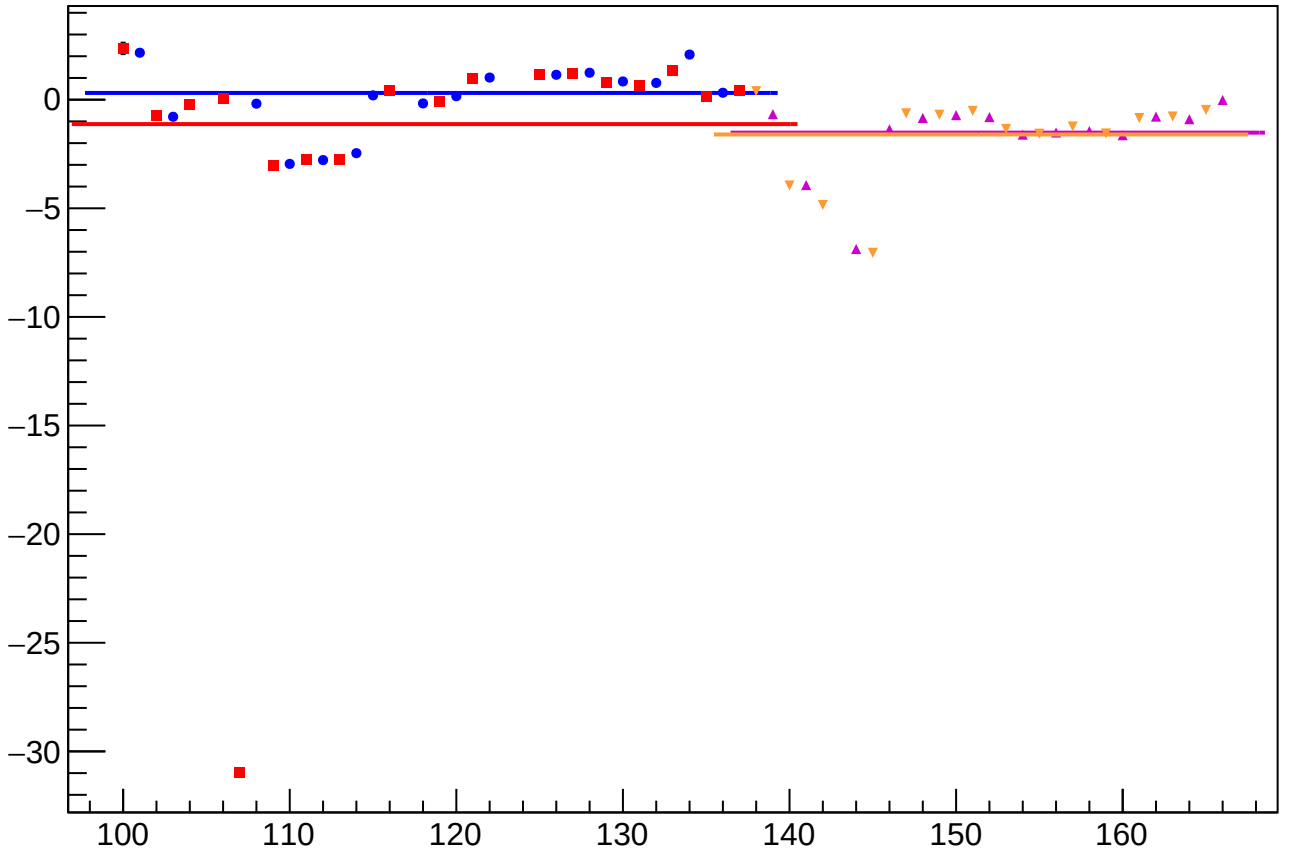
In: 0.268+/-0.168 χ^2/NDF:273.3/29

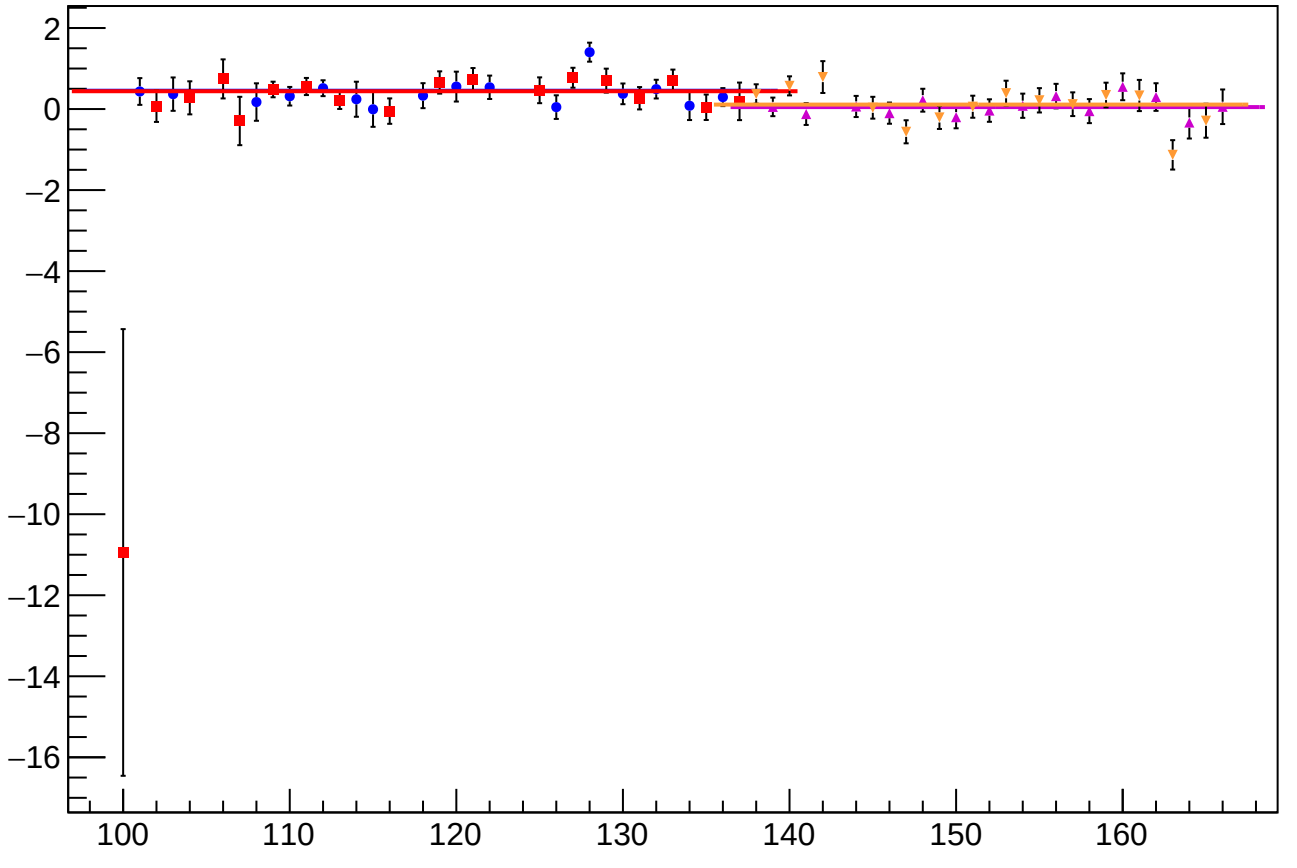
Out: 0.408+/-0.170 χ^2/NDF:282.3/31

All: 0.337+/-0.119 χ^2/NDF: 555.9/61


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -52.438+/-0.277 χ²/NDF:486.0/13
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.176+/-0.269 χ²/NDF:529.0/13
Left: -52.817+/-0.193 χ²/NDF: 1018.7/27
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.520+/-0.214 χ²/NDF:1335.5/29
Out: -56.781+/-0.219 χ²/NDF:1454.9/31
All: -57.159+/-0.153 χ²/NDF: 2796.2/61


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 1.532+/-0.228 χ²/NDF:268.1/13
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.739+/-0.225 χ²/NDF:222.9/13
Left: 1.637+/-0.160 χ²/NDF: 491.4/27
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.546+/-0.193 χ²/NDF:335.0/29
Out: 1.629+/-0.197 χ²/NDF:323.3/31
All: 1.587+/-0.138 χ²/NDF: 658.3/61


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.310+/-0.021 χ²/NDF: 4848.4/15
Left Out: -1.601+/-0.010 χ²/NDF:30388.1/13
Right Out: -1.124+/-0.022 χ²/NDF: 46347.9/17
Left In: -1.517+/-0.010 χ²/NDF:22103.2/13
Left: -1.558+/-0.007 χ²/NDF: 52524.9/27
Right: -0.369+/-0.015 χ²/NDF: 53391.3/33
In: -1.173+/-0.009 χ²/NDF:33059.6/29
Out: -1.515+/-0.009 χ²/NDF:77114.2/31
All: -1.338+/-0.007 χ²/NDF: 110850.6/61



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.110+/-0.080 χ^2/NDF:29.5/13

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.048+/-0.078 χ^2/NDF:6.7/13

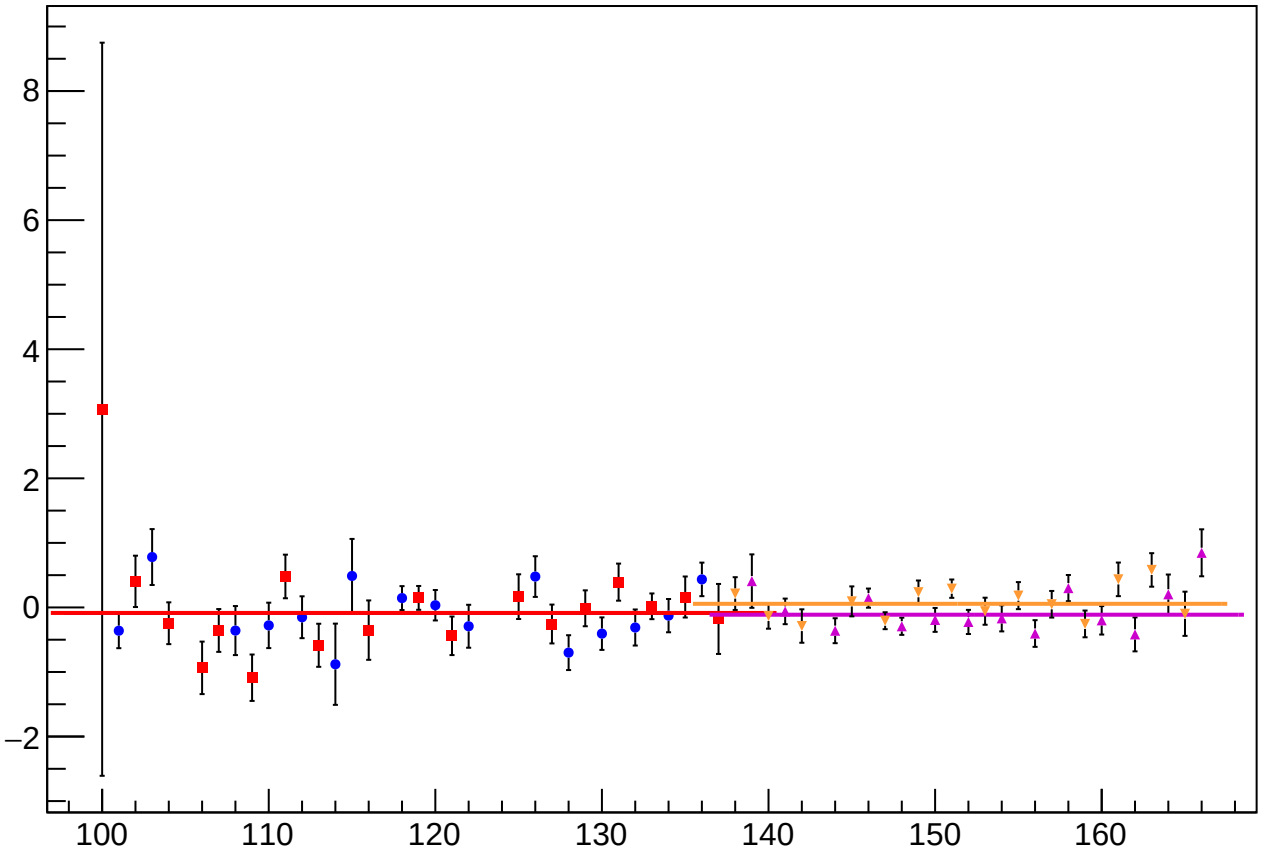
Left: 0.079+/-0.056 χ^2/NDF: 36.5/27

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.269+/-0.053 χ^2/NDF:43.9/29

Out: 0.297+/-0.052 χ^2/NDF:57.8/31

All: 0.283+/-0.037 χ^2/NDF: 101.8/61



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.056+/-0.054 χ^2/NDF:20.1/13

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.113+/-0.054 χ^2/NDF:24.3/13

Left: -0.028+/-0.038 χ^2/NDF: 49.3/27

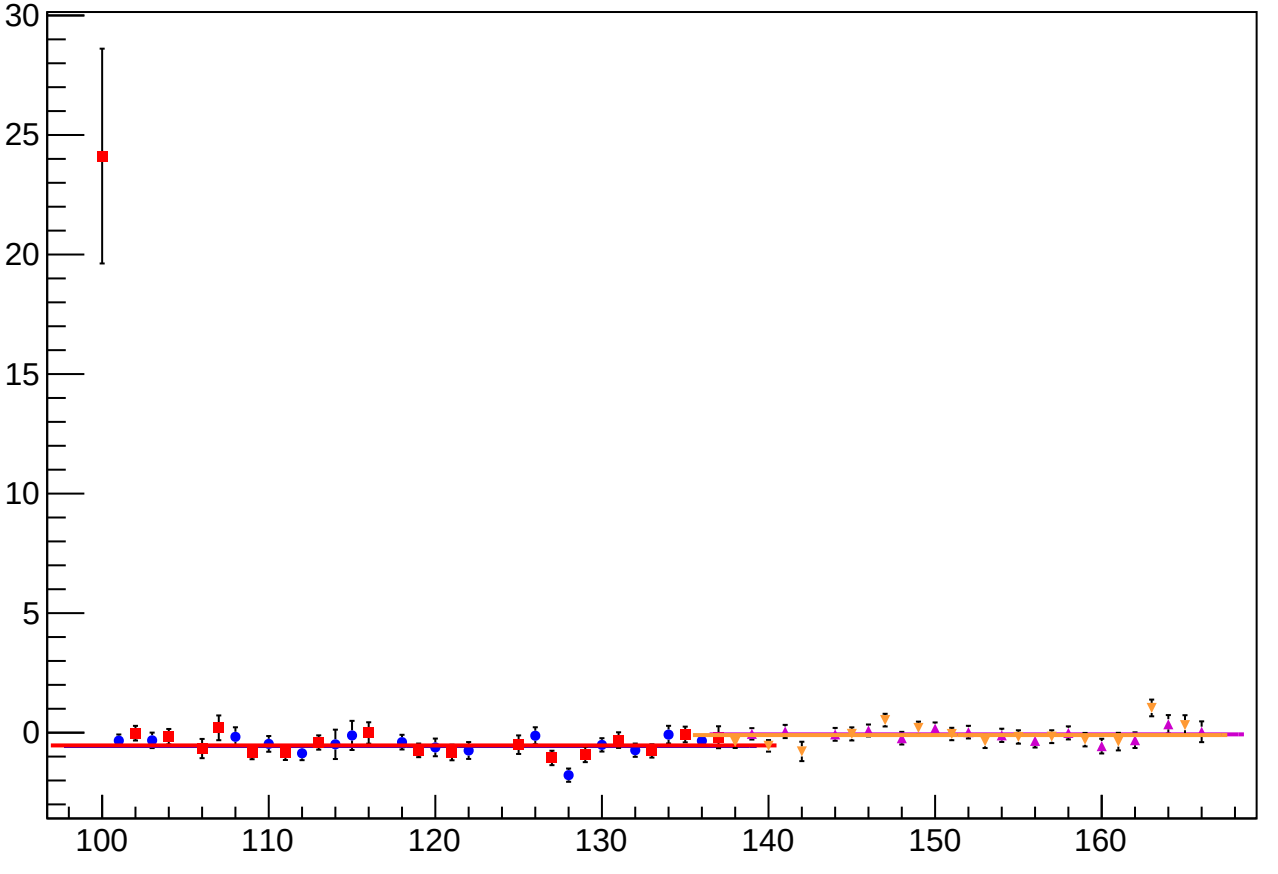
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.103+/-0.043 χ^2/NDF:49.8/29

Out: 0.007+/-0.044 χ^2/NDF:50.4/31

All: -0.049+/-0.031 χ^2/NDF: 103.4/61

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.101+/-0.077 χ^2/NDF:28.0/13

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.071+/-0.076 χ^2/NDF:7.4/13

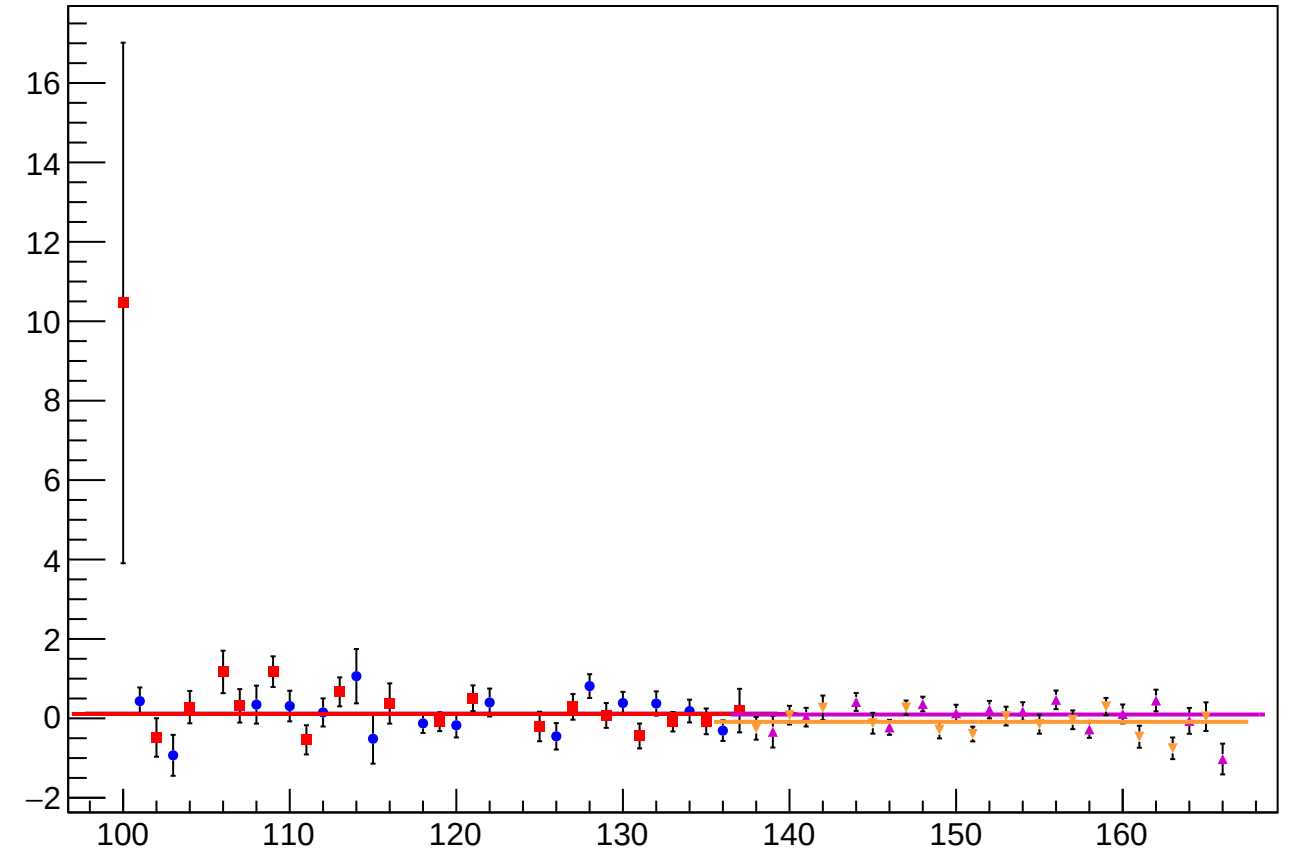
Left: -0.085+/-0.054 χ^2/NDF: 35.5/27

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.301+/-0.055 χ^2/NDF:55.4/29

Out: -0.307+/-0.056 χ^2/NDF:92.3/31

All: -0.304+/-0.039 χ^2/NDF: 147.7/61



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.088+/-0.064 χ^2/NDF:21.3/13

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.097+/-0.063 χ^2/NDF:24.5/13

Left: 0.005+/-0.045 χ^2/NDF: 50.0/27

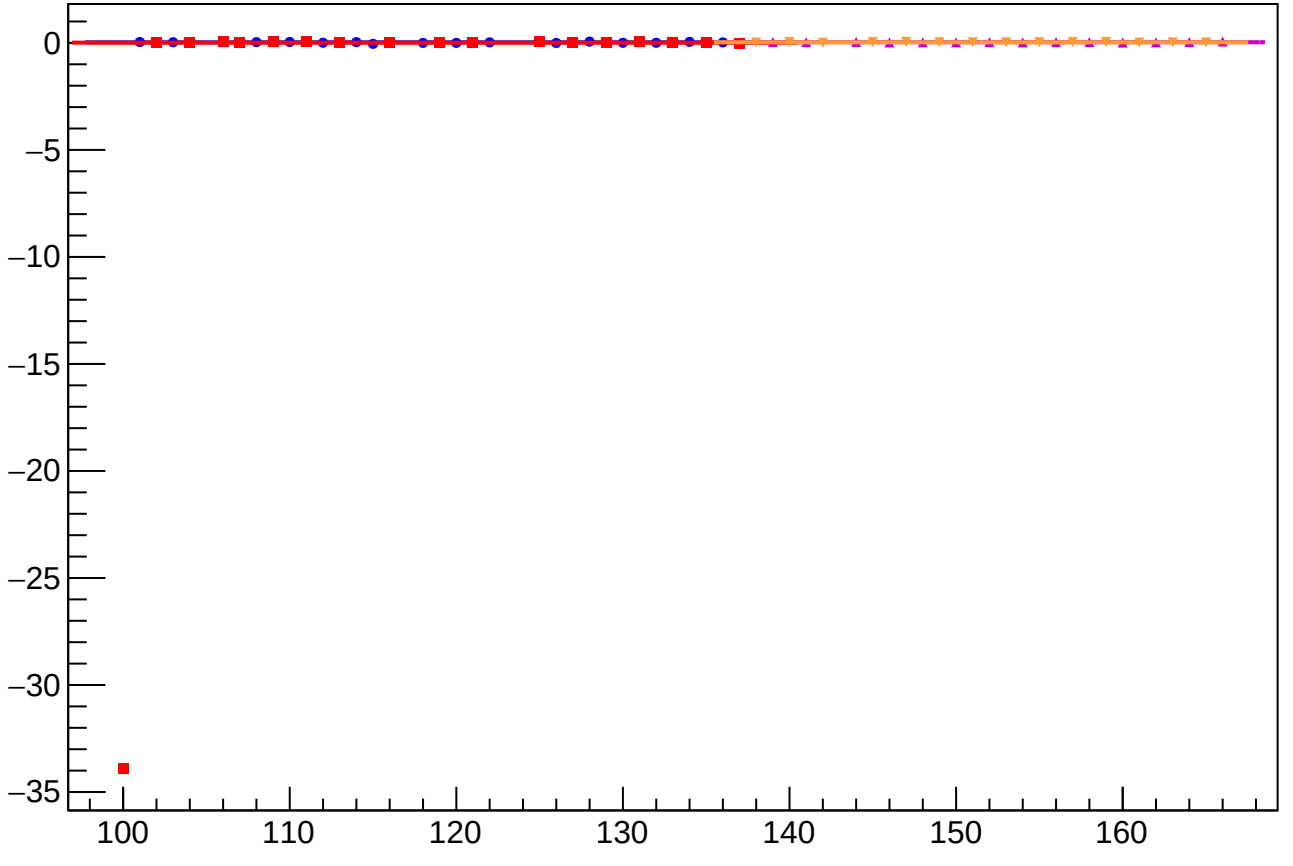
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.104+/-0.051 χ^2/NDF:48.2/29

Out: -0.016+/-0.051 χ^2/NDF:53.8/31

All: 0.045+/-0.036 χ^2/NDF: 104.8/61

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.6/13

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.033+/-0.003 χ^2/NDF:12.5/13

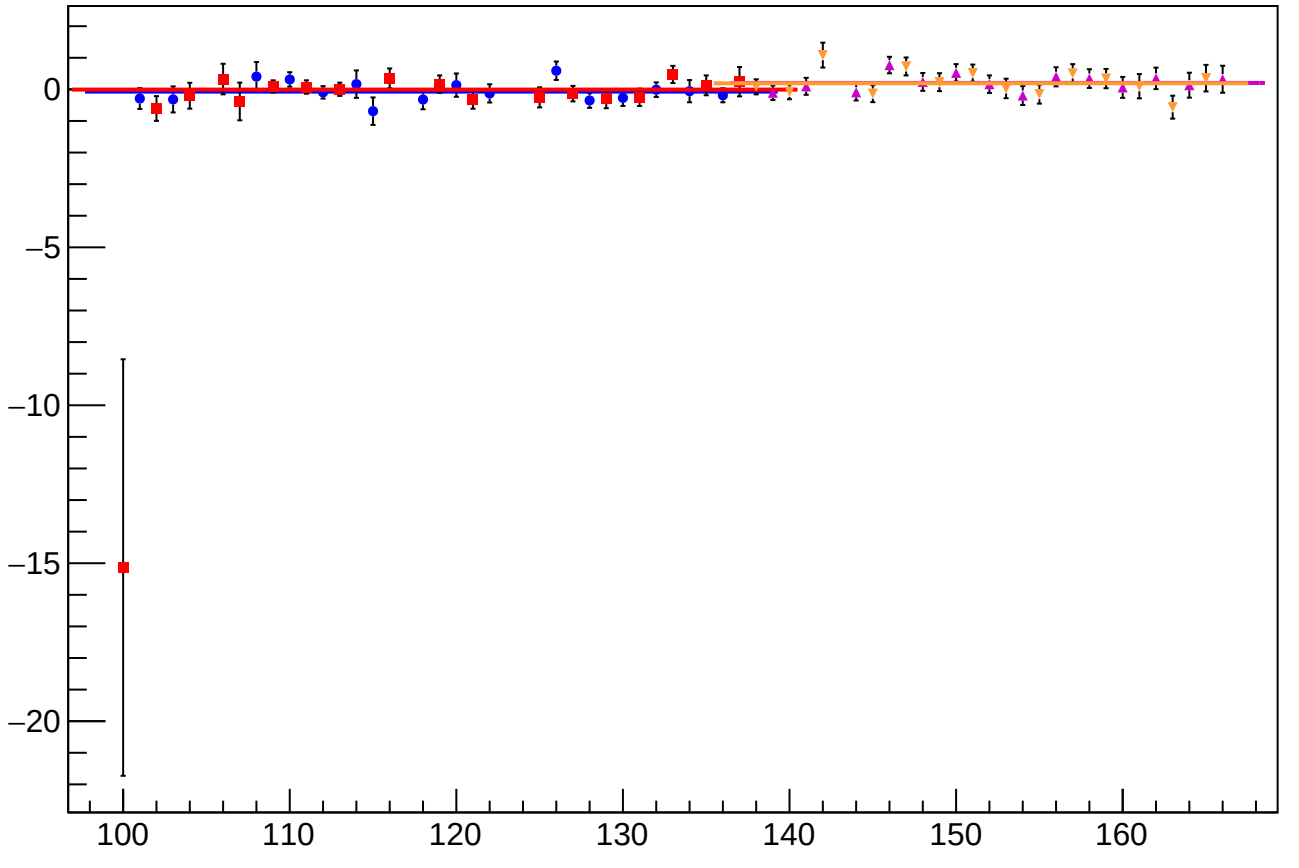
Left: 0.031+/-0.002 χ^2/NDF: 25.7/27

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.002 χ^2/NDF:28.2/29

Out: 0.024+/-0.003 χ^2/NDF:22281.7/31

All: 0.028+/-0.002 χ^2/NDF: 22314.9/61



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.193+/-0.080 χ^2/NDF:20.6/13

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.204+/-0.078 χ^2/NDF:12.2/13

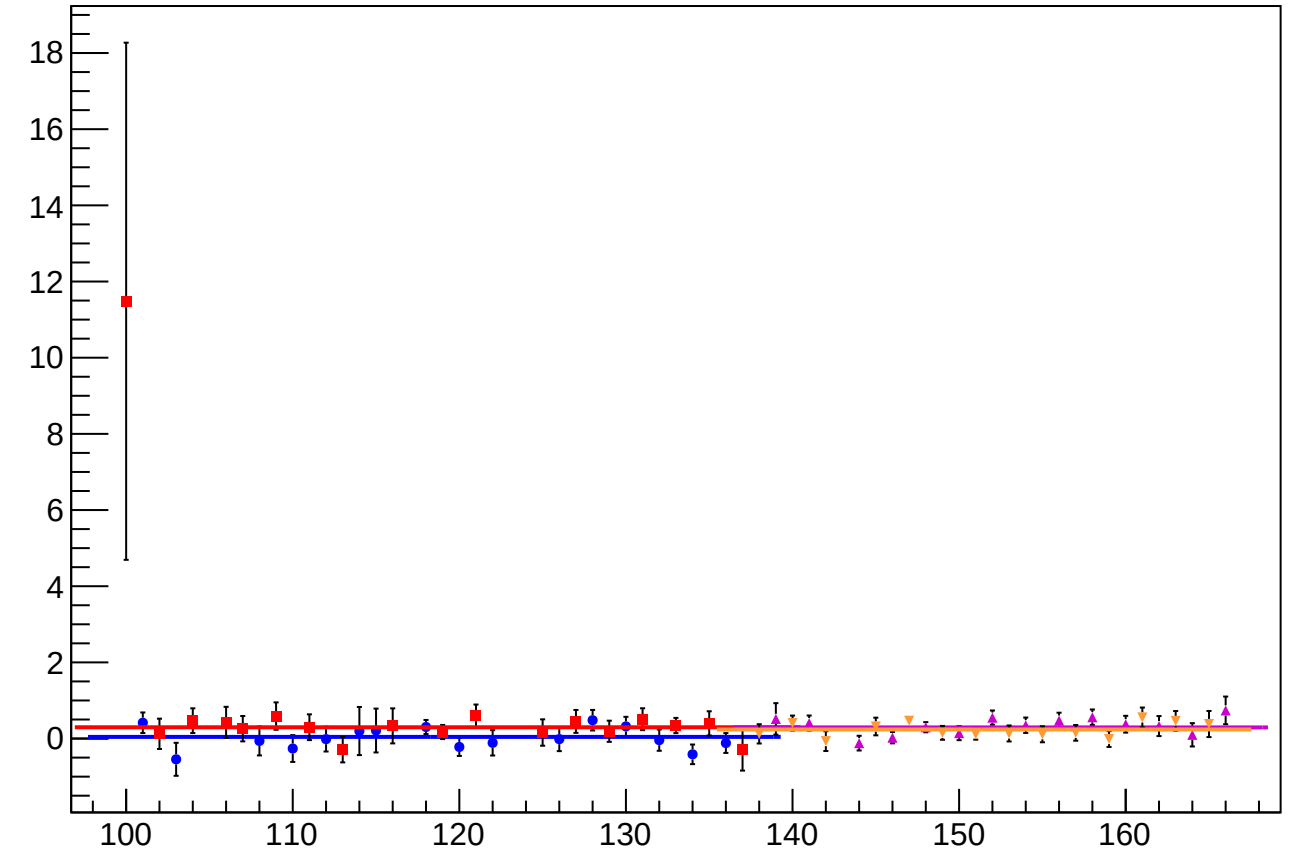
Left: 0.199+/-0.056 χ^2/NDF: 32.8/27

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.054+/-0.053 χ^2/NDF:34.4/29

Out: 0.080+/-0.052 χ^2/NDF:42.3/31

All: 0.067+/-0.037 χ^2/NDF: 76.9/61



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.238+/-0.054 χ^2/NDF:11.2/13

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.292+/-0.054 χ^2/NDF:15.6/13

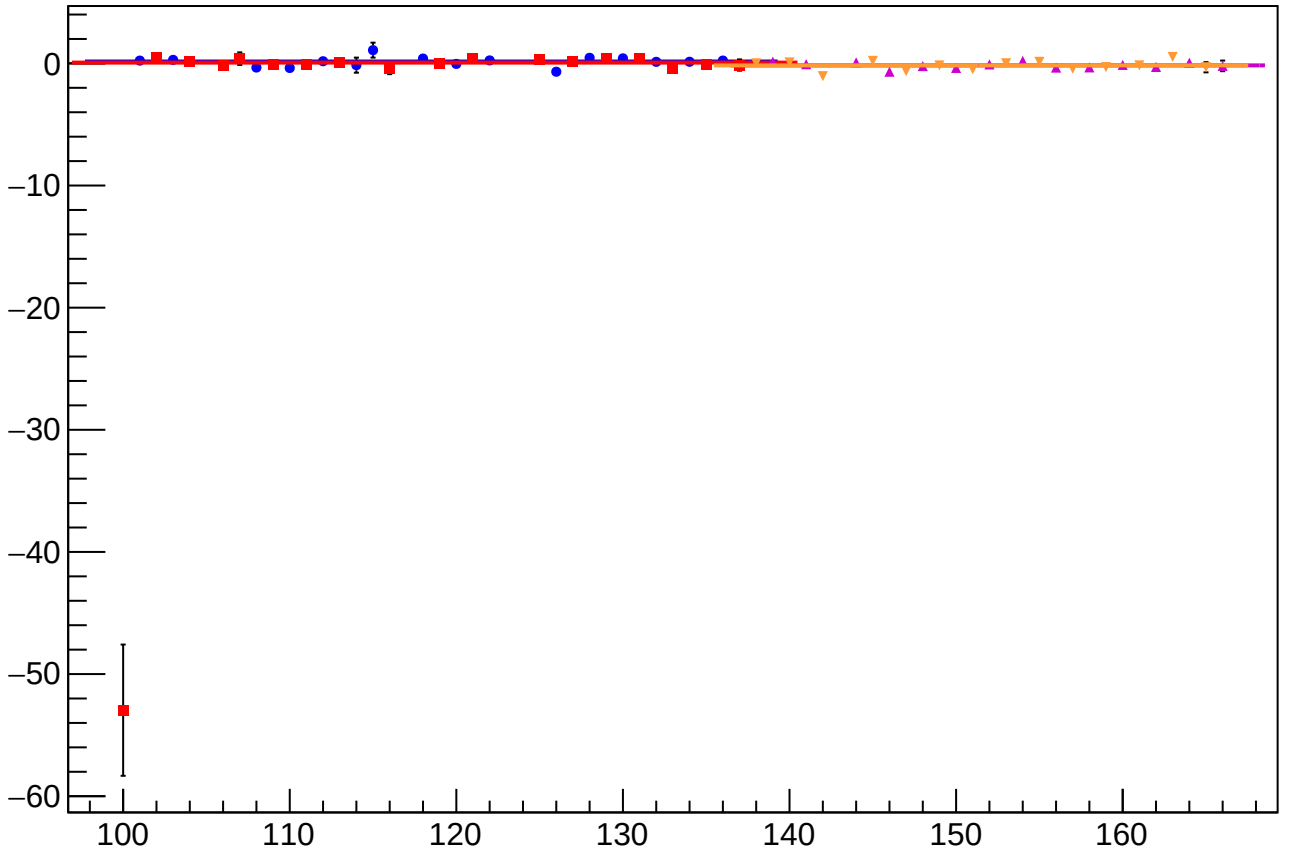
Left: 0.265+/-0.038 χ^2/NDF: 27.3/27

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.204+/-0.043 χ^2/NDF:38.8/29

Out: 0.259+/-0.044 χ^2/NDF:22.6/31

All: 0.231+/-0.031 χ^2/NDF: 62.2/61



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.165+/-0.077 χ^2/NDF:19.5/13

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.163+/-0.076 χ^2/NDF:10.7/13

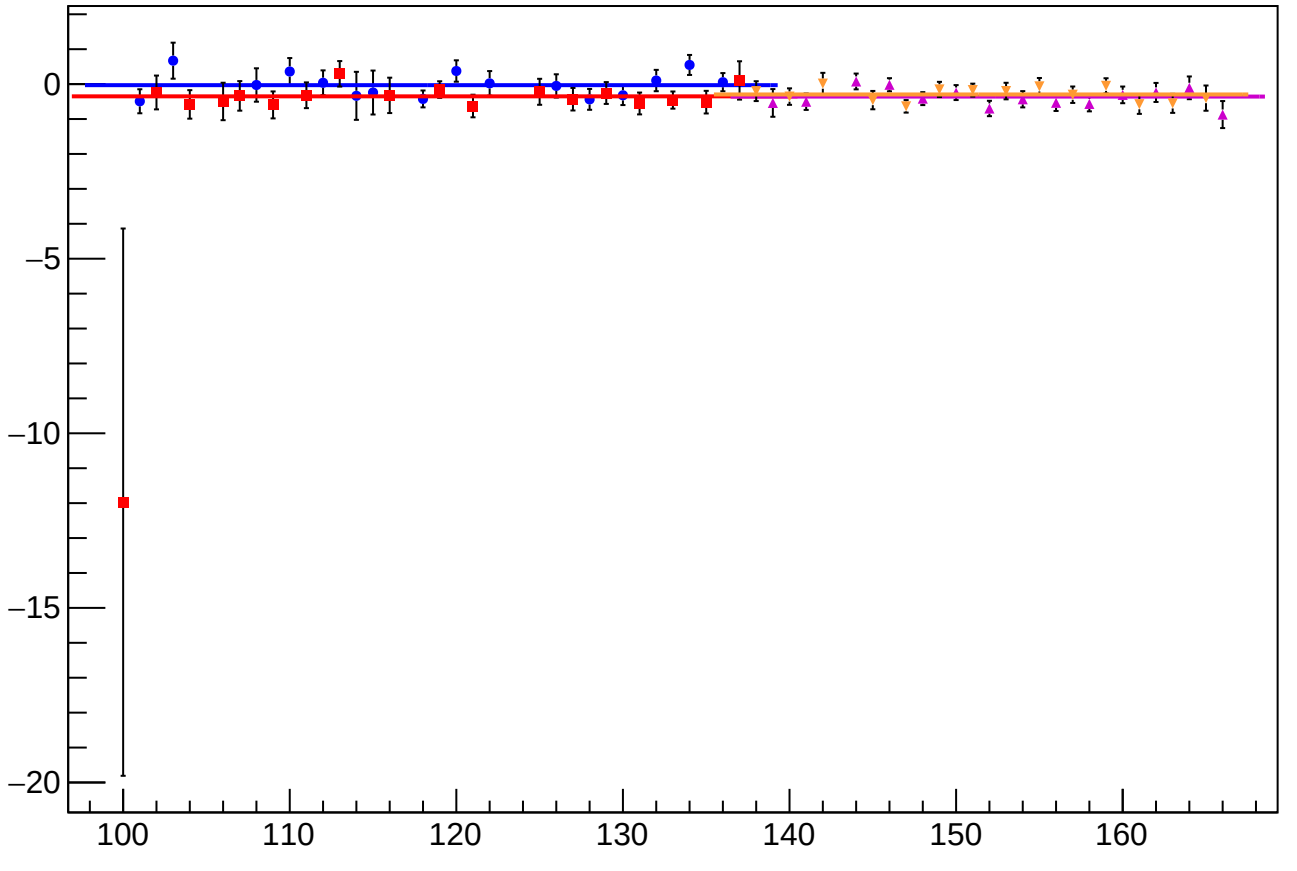
Left: -0.164+/-0.054 χ^2/NDF: 30.2/27

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.013+/-0.055 χ^2/NDF:34.6/29

Out: -0.055+/-0.056 χ^2/NDF:133.0/31

All: -0.034+/-0.039 χ^2/NDF: 167.9/61



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.297+/-0.064 χ^2/NDF:10.4/13

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.357+/-0.063 χ^2/NDF:14.5/13

Left: -0.327+/-0.045 χ^2/NDF: 25.4/27

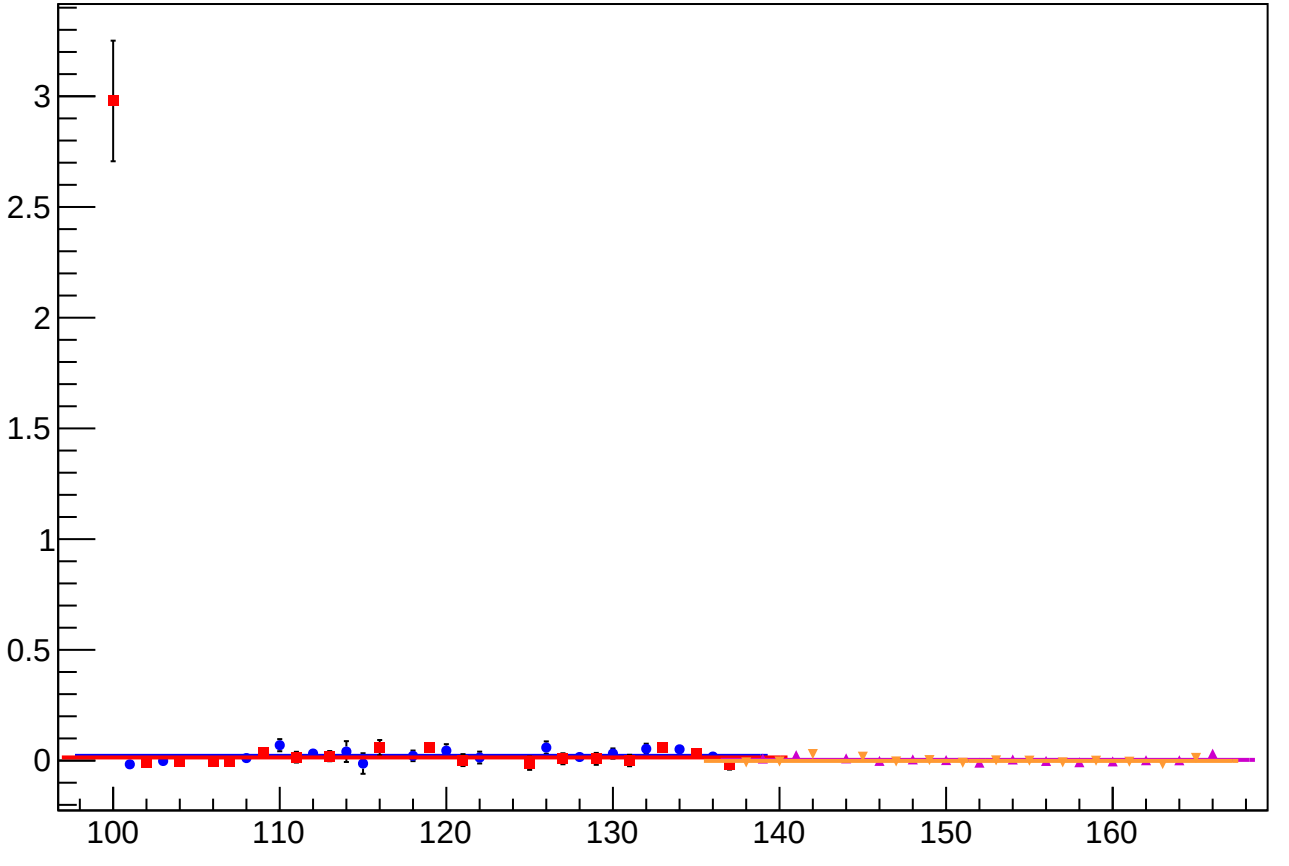
Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.238+/-0.051 χ^2/NDF:40.9/29

Out: -0.316+/-0.051 χ^2/NDF:20.1/31

All: -0.277+/-0.036 χ^2/NDF: 62.2/61

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:10.7/13

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.003 χ^2/NDF:10.9/13

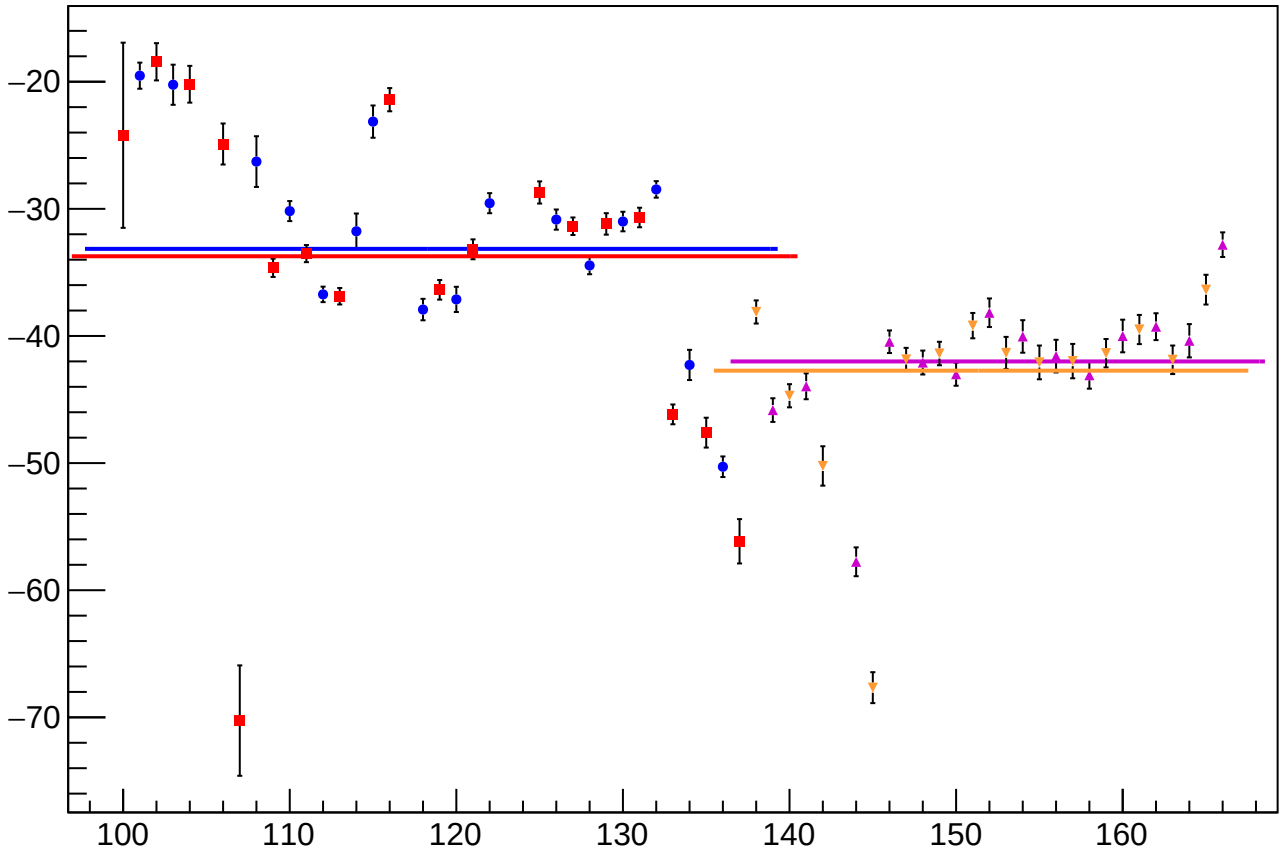
Left: 0.001+/-0.002 χ^2/NDF: 22.9/27

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.002 χ^2/NDF:43.9/29

Out: 0.003+/-0.003 χ^2/NDF:159.0/31

All: 0.005+/-0.002 χ^2/NDF: 205.2/61



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.729+/-0.292 χ^2/NDF:530.5/13

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -42.003+/-0.282 χ^2/NDF:333.5/13

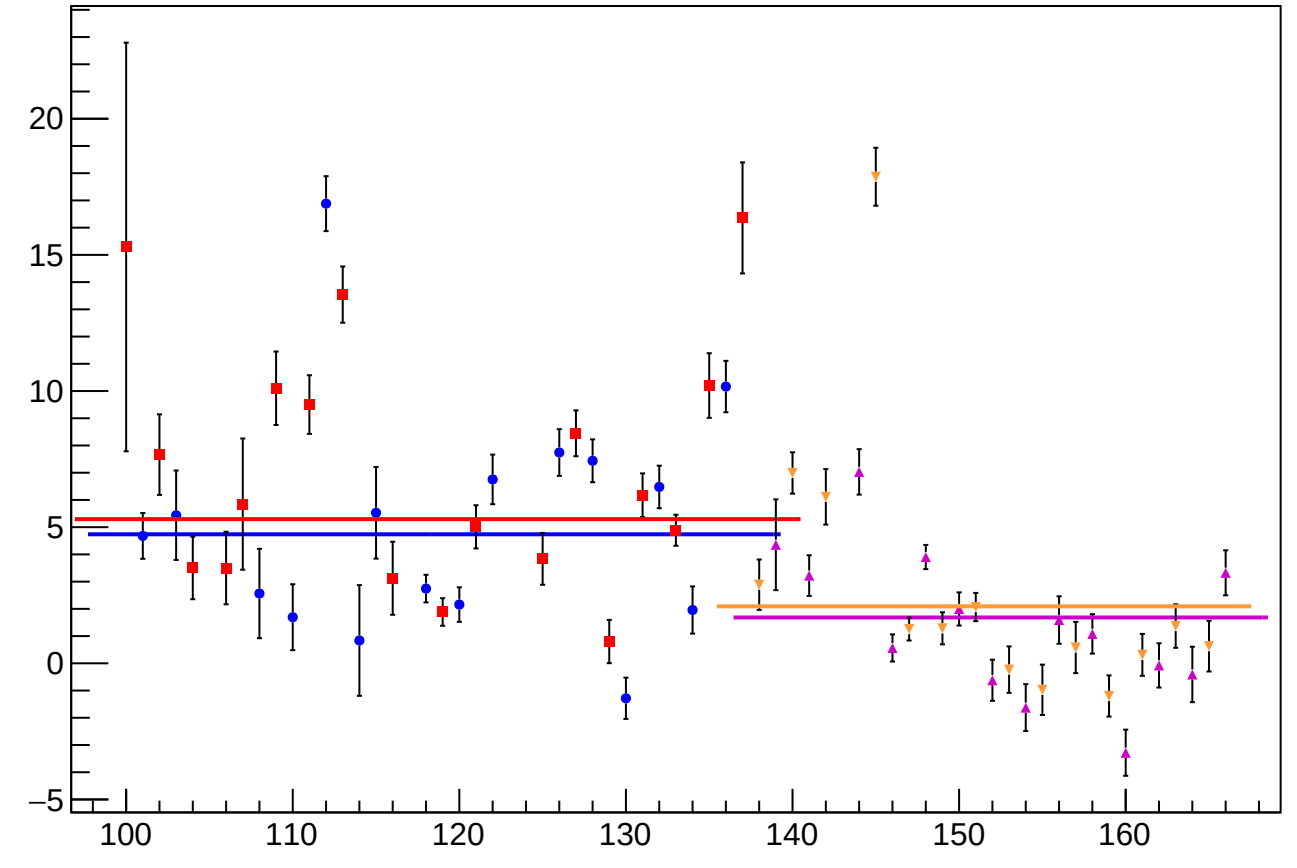
Left: -42.354+/-0.203 χ^2/NDF: 867.3/27

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.456+/-0.173 χ^2/NDF:1964.0/29

Out: -36.888+/-0.173 χ^2/NDF:2294.5/31

All: -36.671+/-0.122 χ^2/NDF: 4261.6/61



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.093+/-0.193 χ^2/NDF:332.3/13

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.684+/-0.192 χ^2/NDF:150.1/13

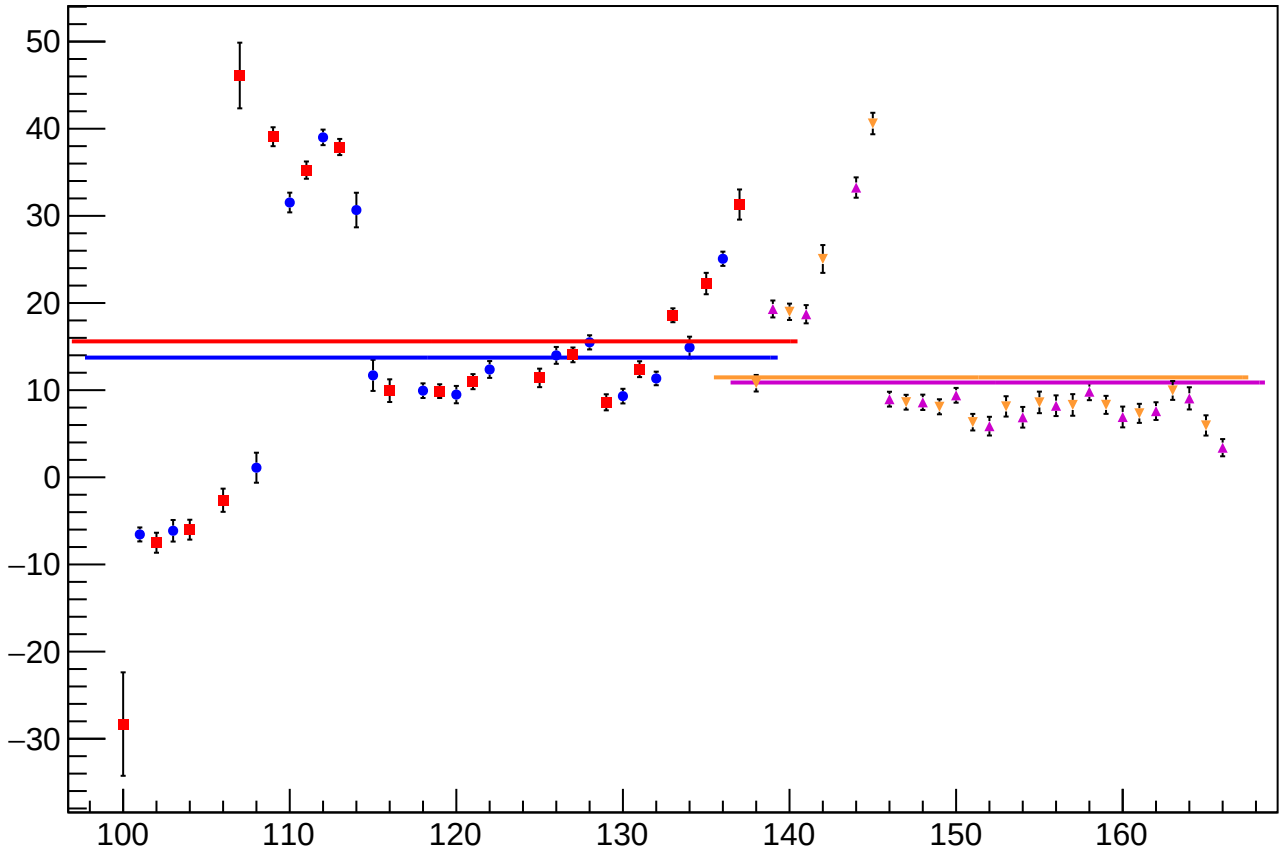
Left: 1.888+/-0.136 χ^2/NDF: 484.7/27

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.012+/-0.145 χ^2/NDF:589.5/29

Out: 3.462+/-0.146 χ^2/NDF:695.0/31

All: 3.235+/-0.103 χ^2/NDF: 1289.2/61



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.468+/-0.282 χ^2/NDF:820.0/13

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.877+/-0.273 χ^2/NDF:633.7/13

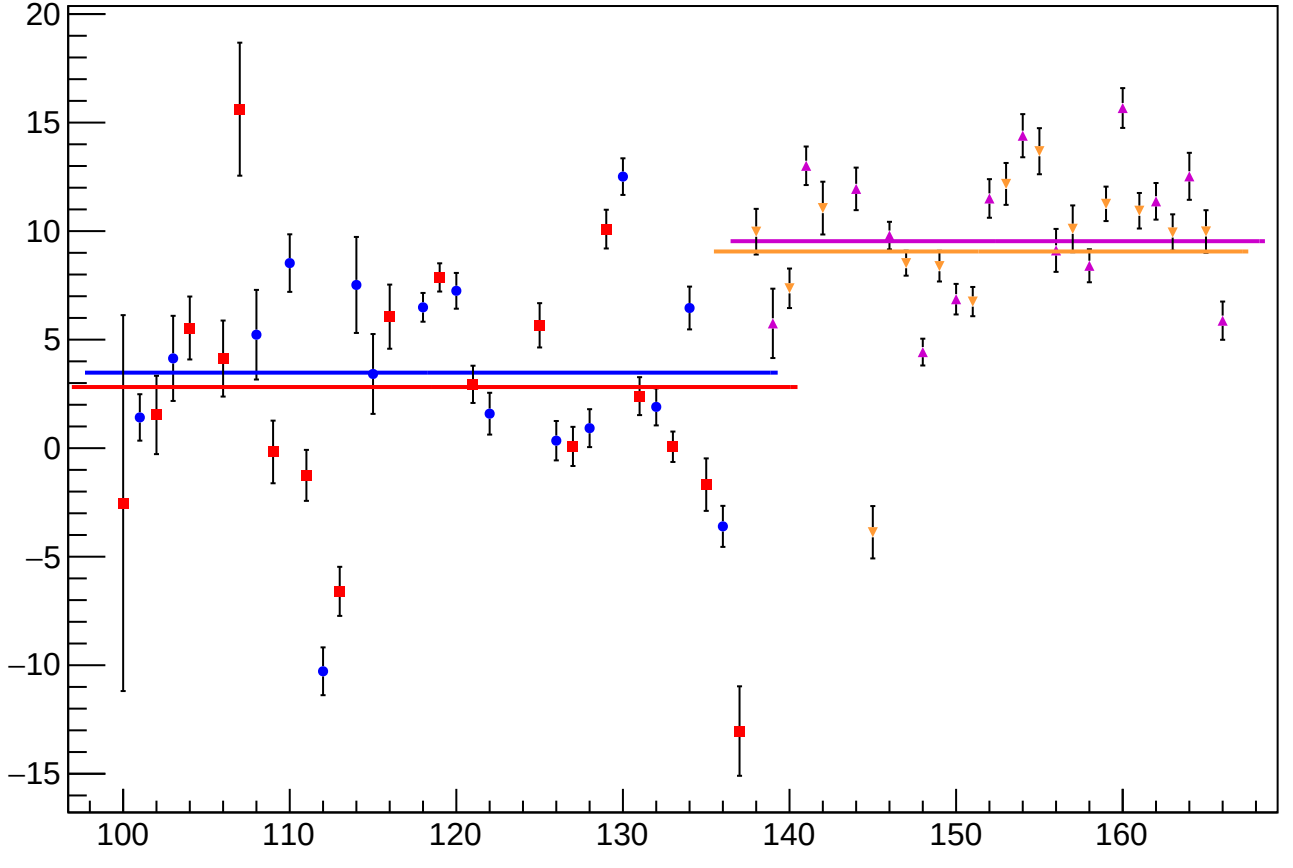
Left: 11.163+/-0.196 χ^2/NDF: 1456.0/27

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.452+/-0.183 χ^2/NDF:3044.0/29

Out: 13.784+/-0.187 χ^2/NDF:3766.3/31

All: 13.103+/-0.131 χ^2/NDF: 6836.1/61



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.062+/-0.229 χ^2/NDF:180.6/13

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.536+/-0.226 χ^2/NDF:215.6/13

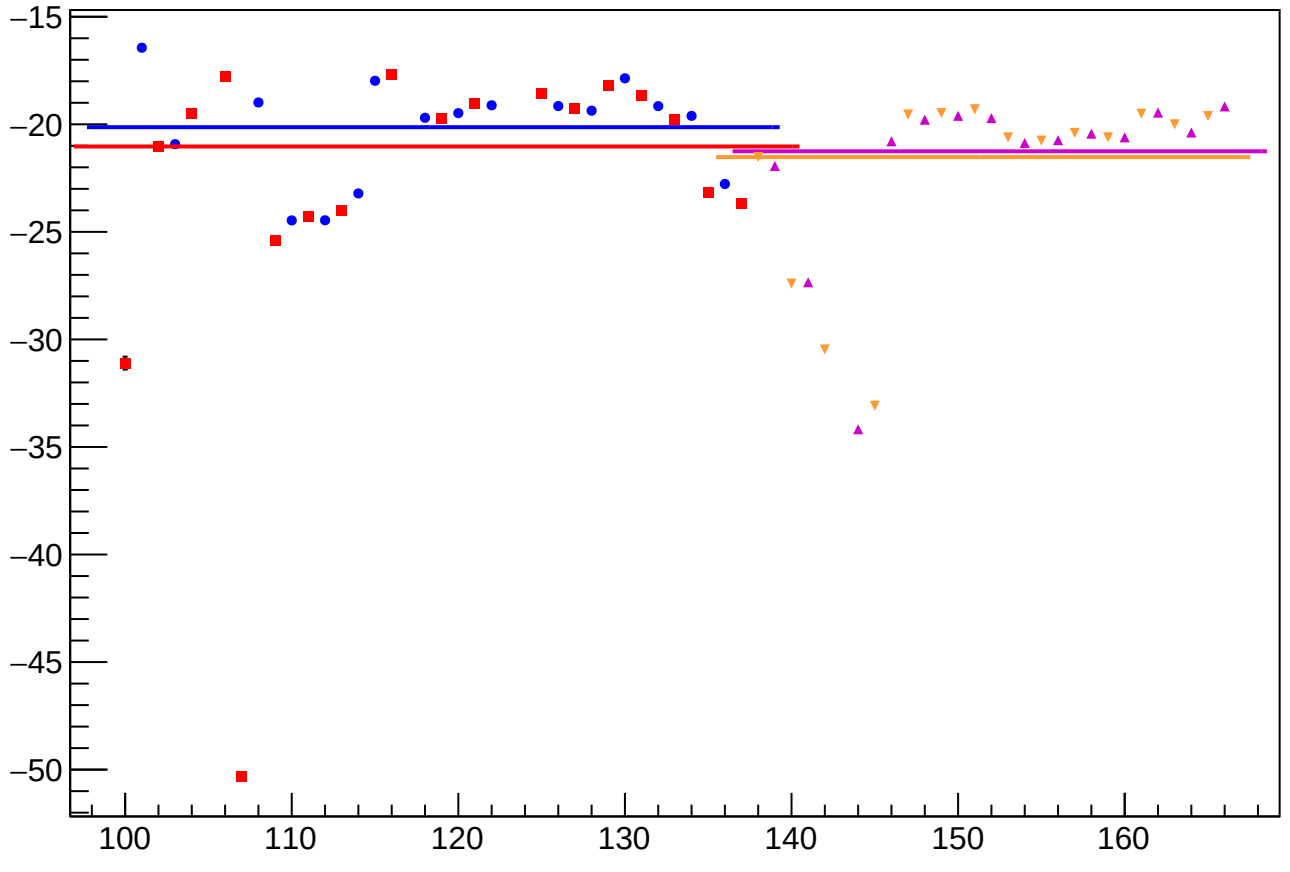
Left: 9.302+/-0.161 χ^2/NDF: 398.4/27

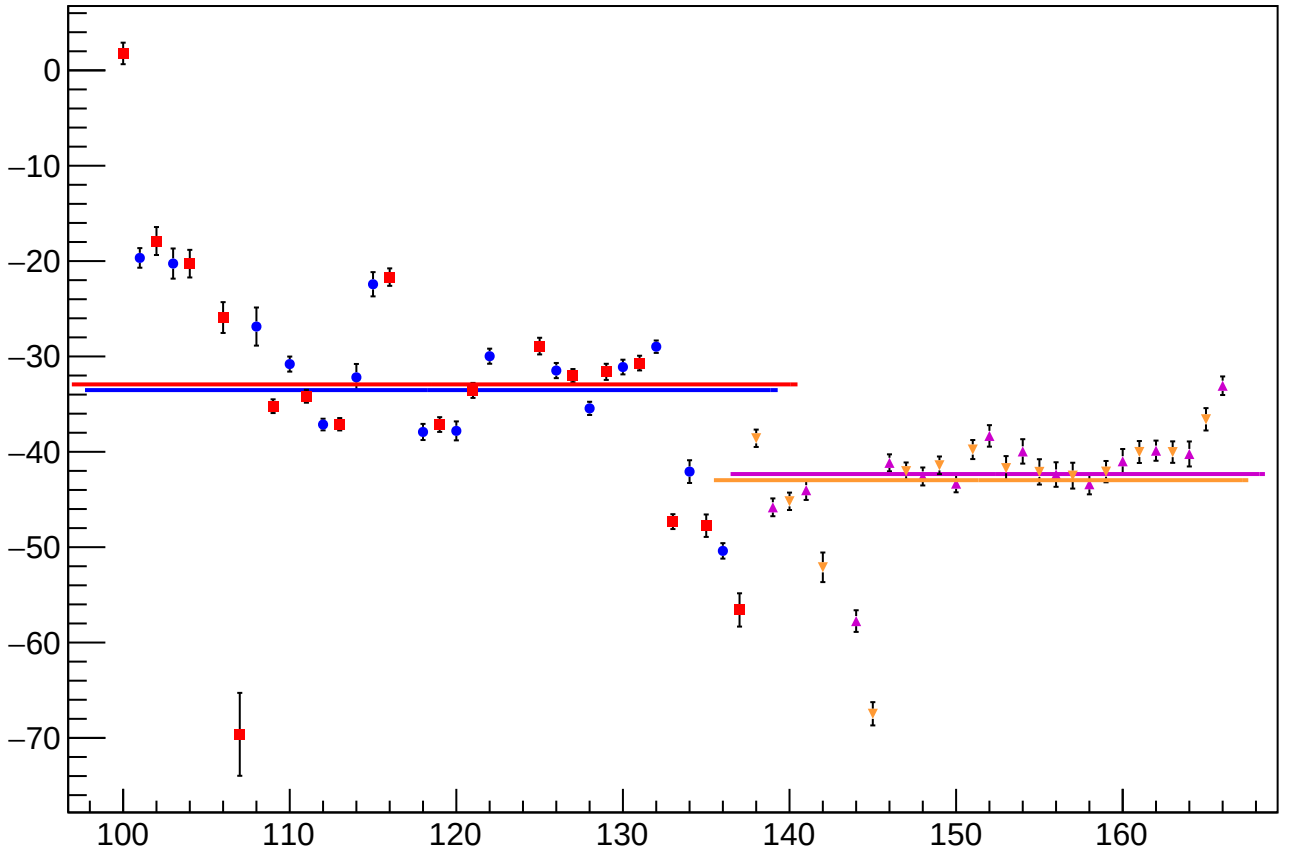
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

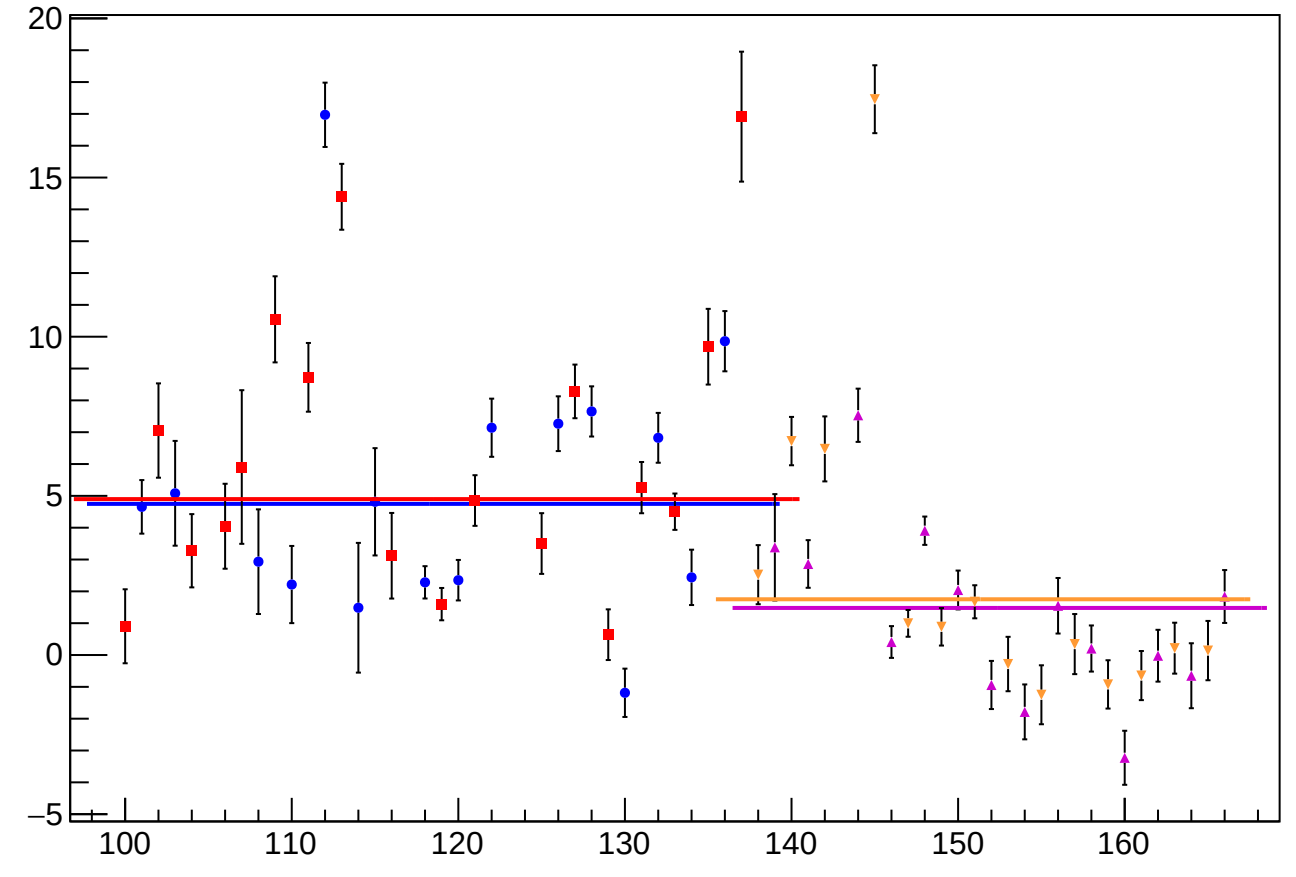
In: 6.856+/-0.169 χ^2/NDF:961.1/29

Out: 6.301+/-0.171 χ^2/NDF:854.6/31

All: 6.582+/-0.120 χ^2/NDF: 1821.1/61


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -21.524+/-0.011 χ²/NDF:113020.6/13
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -21.255+/-0.010 χ²/NDF:93558.0/13
Left: -21.384+/-0.007 χ²/NDF: 206900.2/27
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -20.924+/-0.009 χ²/NDF:116850.4/29
Out: -21.375+/-0.009 χ²/NDF:171172.7/31
All: -21.141+/-0.006 χ²/NDF: 289319.0/61


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -42.974+/-0.293 χ²/NDF:526.4/13
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -42.330+/-0.283 χ²/NDF:320.6/13
Left: -42.641+/-0.203 χ²/NDF: 849.5/27
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.816+/-0.173 χ²/NDF:1935.7/29
Out: -36.377+/-0.171 χ²/NDF:3469.5/31
All: -36.595+/-0.122 χ²/NDF: 5408.5/61



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.751+/-0.193 χ^2/NDF:334.4/13

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.479+/-0.193 χ^2/NDF:158.7/13

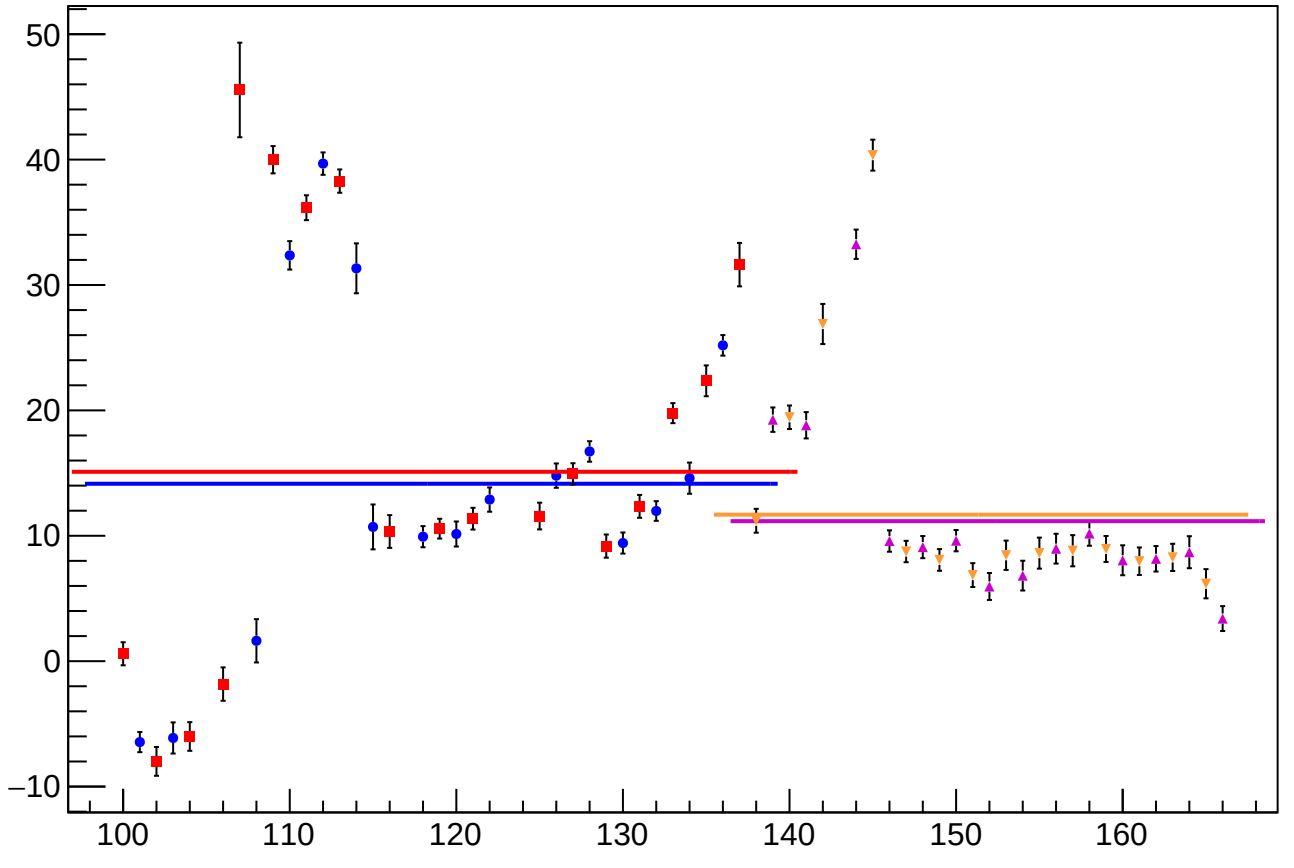
Left: 1.615+/-0.136 χ^2/NDF: 494.1/27

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.900+/-0.145 χ^2/NDF:609.6/29

Out: 3.123+/-0.145 χ^2/NDF:723.0/31

All: 3.011+/-0.103 χ^2/NDF: 1333.7/61



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.684+/-0.283 χ^2/NDF:823.0/13

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 11.167+/-0.274 χ^2/NDF:613.3/13

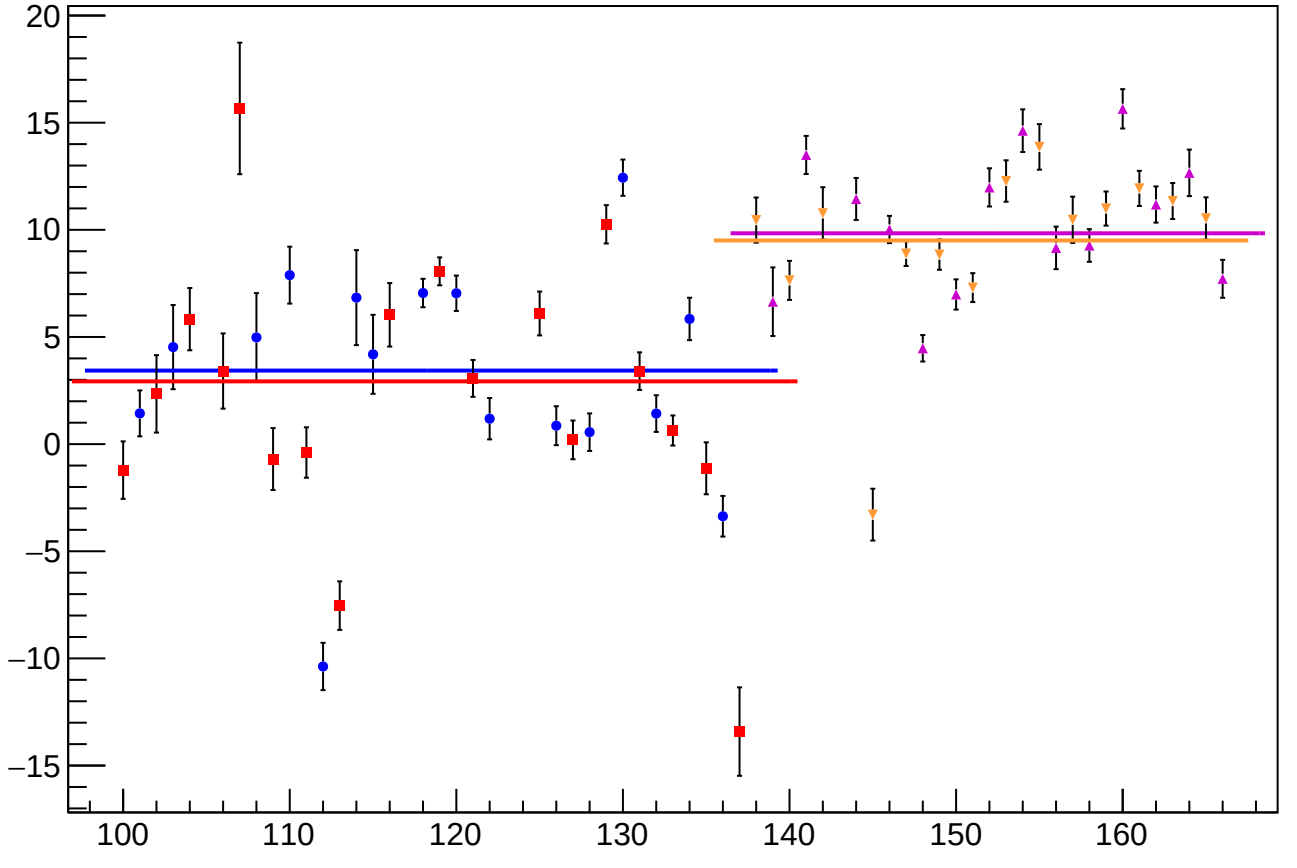
Left: 11.416+/-0.197 χ^2/NDF: 1438.0/27

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.808+/-0.183 χ^2/NDF:3081.1/29

Out: 13.659+/-0.184 χ^2/NDF:4009.6/31

All: 13.232+/-0.130 χ^2/NDF: 7101.4/61



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.505+/-0.229 χ^2/NDF:174.7/13

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.839+/-0.226 χ^2/NDF:200.2/13

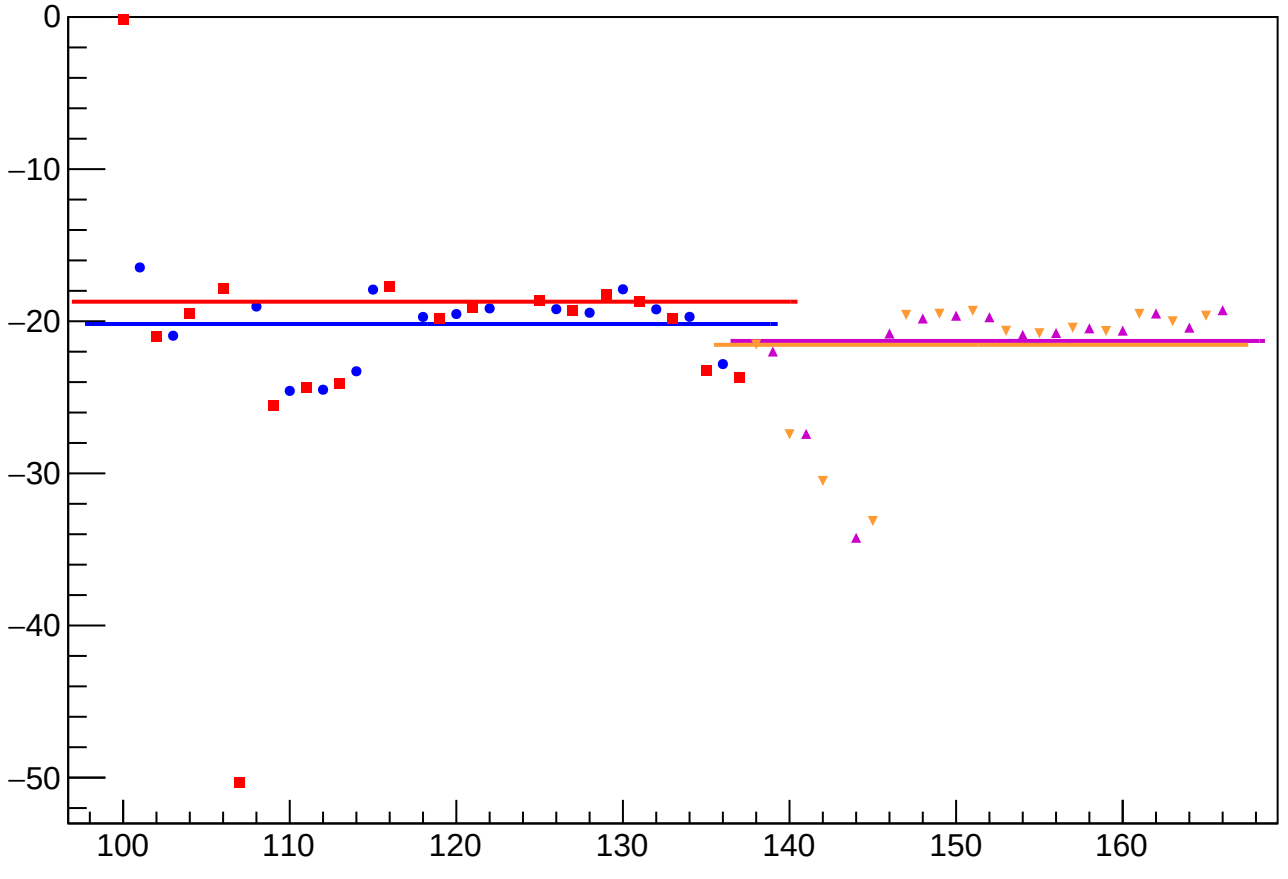
Left: 9.674+/-0.161 χ^2/NDF: 376.0/27

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.005+/-0.169 χ^2/NDF:978.4/29

Out: 6.541+/-0.170 χ^2/NDF:912.6/31

All: 6.774+/-0.120 χ^2/NDF: 1894.7/61



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.548+/-0.011 χ^2/NDF:112851.8/13

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.294+/-0.010 χ^2/NDF:93520.5/13

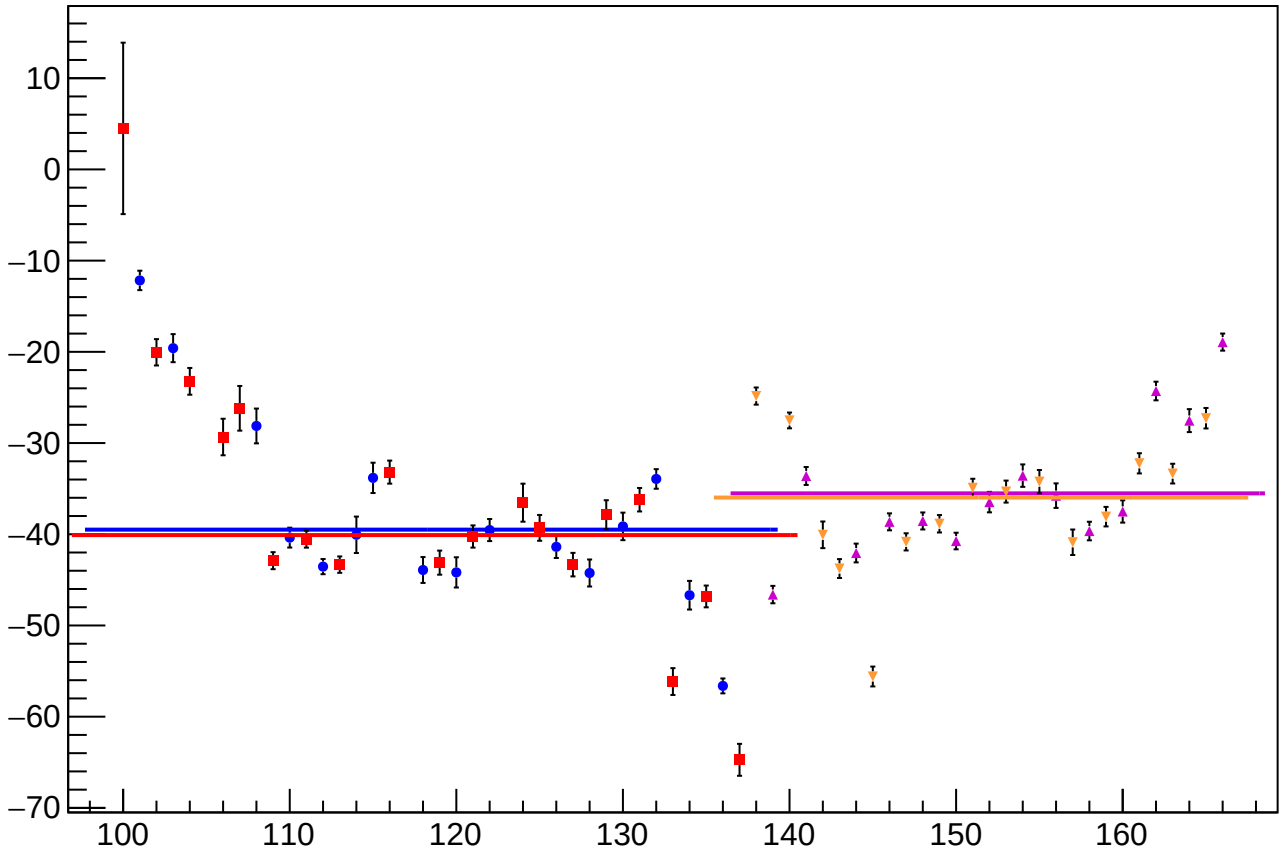
Left: -21.416+/-0.007 χ^2/NDF: 206659.5/27

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

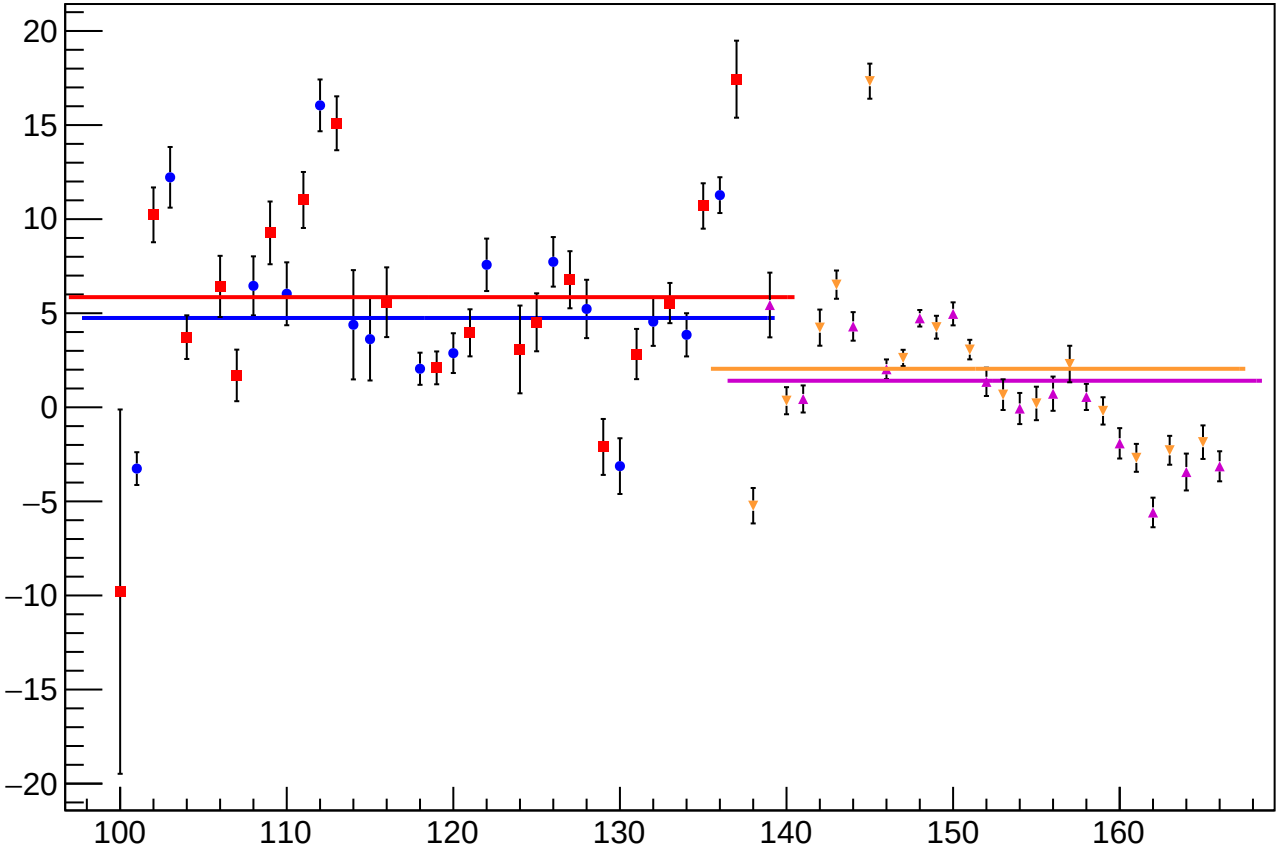
In: -20.965+/-0.009 χ^2/NDF:116770.1/29

Out: -20.625+/-0.009 χ^2/NDF:369871.2/31

All: -20.798+/-0.006 χ^2/NDF: 487388.5/61


reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -39.493+/-0.311 χ²/NDF: 1417.1/15
Left Out: -35.977+/-0.276 χ²/NDF:757.0/14
Right Out: -40.090+/-0.307 χ²/NDF: 834.9/18
Left In: -35.515+/-0.278 χ²/NDF:730.3/13
Left: -35.747+/-0.196 χ²/NDF: 1488.7/28
Right: -39.795+/-0.218 χ²/NDF: 2253.9/34
In: -37.283+/-0.207 χ²/NDF:2238.4/29
Out: -37.817+/-0.205 χ²/NDF:1691.0/33
All: -37.552+/-0.146 χ²/NDF: 3932.8/63

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.047+/-0.185 χ^2/NDF:501.9/14

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.411+/-0.190 χ^2/NDF:272.4/13

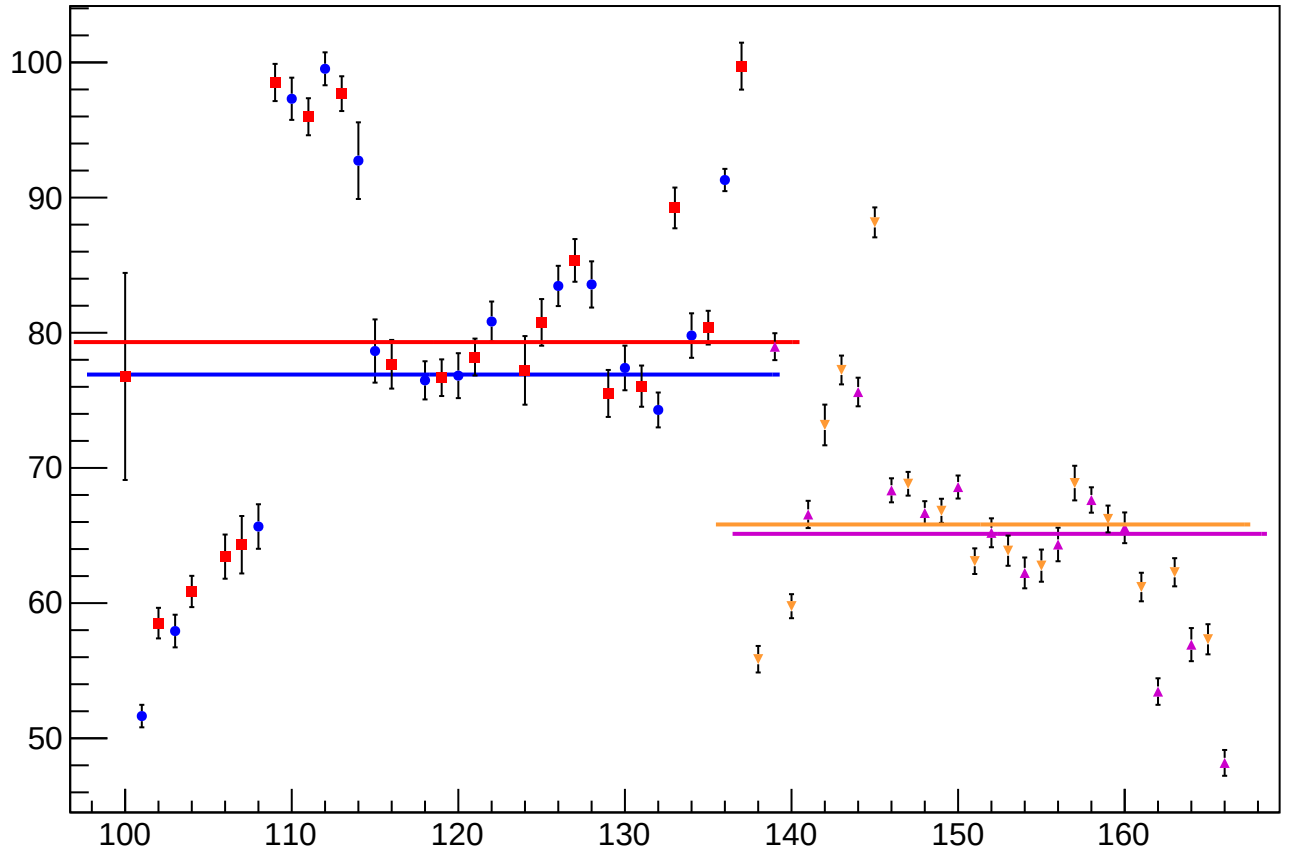
Left: 1.737+/-0.132 χ^2/NDF: 780.1/28

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.294+/-0.163 χ^2/NDF:628.3/29

Out: 2.982+/-0.160 χ^2/NDF:793.7/33

All: 2.643+/-0.114 χ^2/NDF: 1431.0/63



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.819+/-0.269 χ^2/NDF:820.5/14

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 65.124+/-0.269 χ^2/NDF:841.3/13

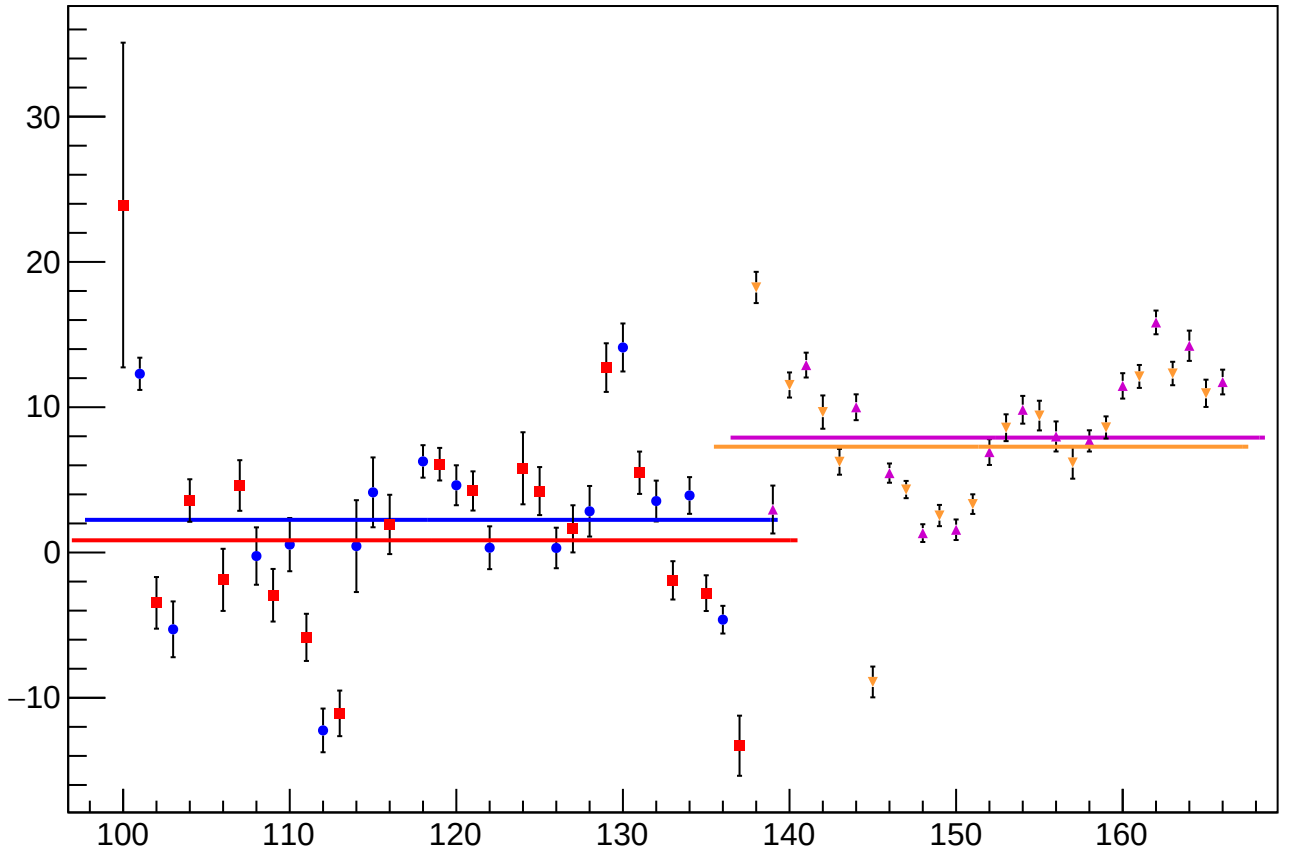
Left: 65.472+/-0.190 χ^2/NDF: 1665.2/28

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.710+/-0.210 χ^2/NDF:3705.0/29

Out: 70.857+/-0.213 χ^2/NDF:3259.5/33

All: 70.277+/-0.149 χ^2/NDF: 6979.2/63



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.282+/-0.218 χ^2/NDF:570.4/14

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 7.908+/-0.222 χ^2/NDF:431.4/13

Left: 7.590+/-0.156 χ^2/NDF: 1005.8/28

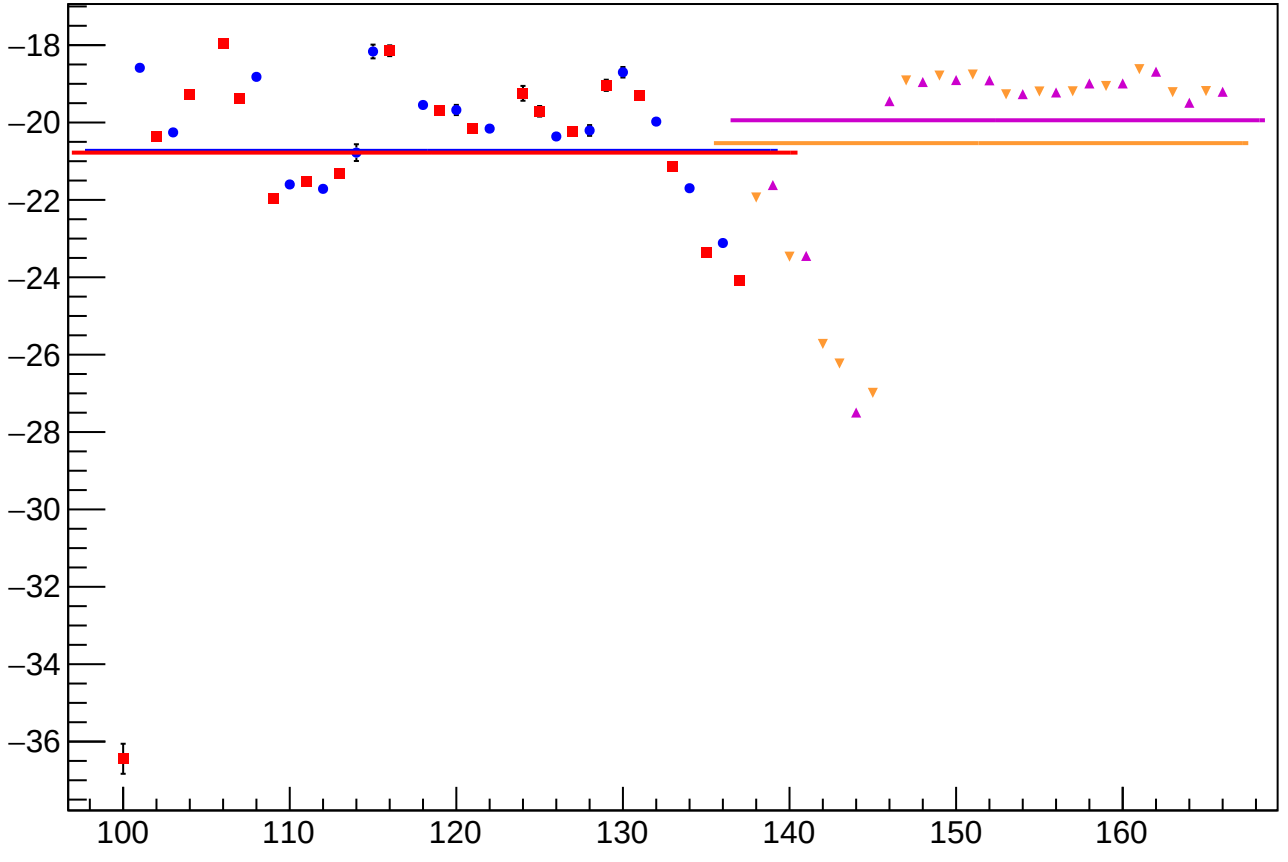
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.365+/-0.190 χ^2/NDF:927.8/29

Out: 5.632+/-0.188 χ^2/NDF:1049.6/33

All: 5.996+/-0.134 χ^2/NDF: 1984.9/63

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.533+/-0.010 χ^2/NDF:68206.4/14

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.942+/-0.010 χ^2/NDF:41079.7/13

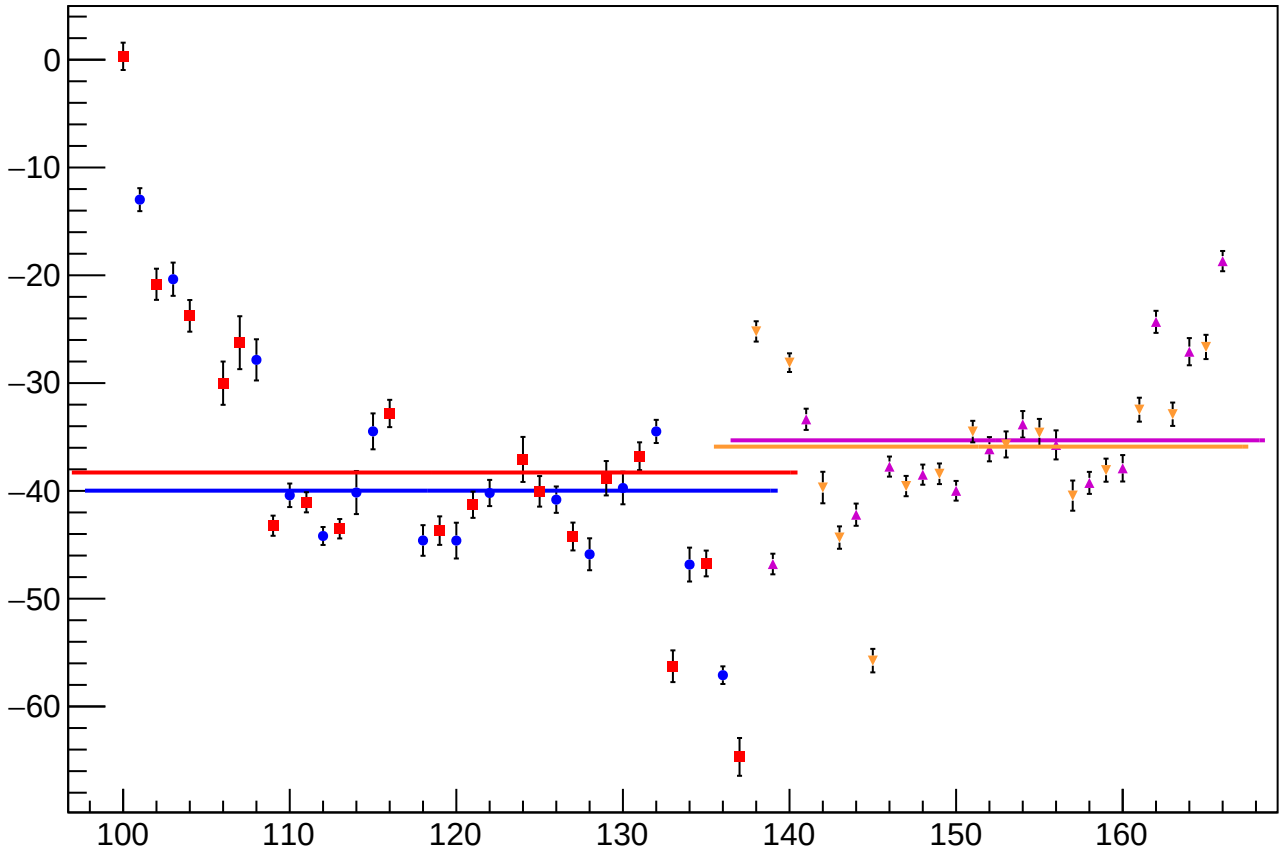
Left: -20.235+/-0.007 χ^2/NDF: 110942.3/28

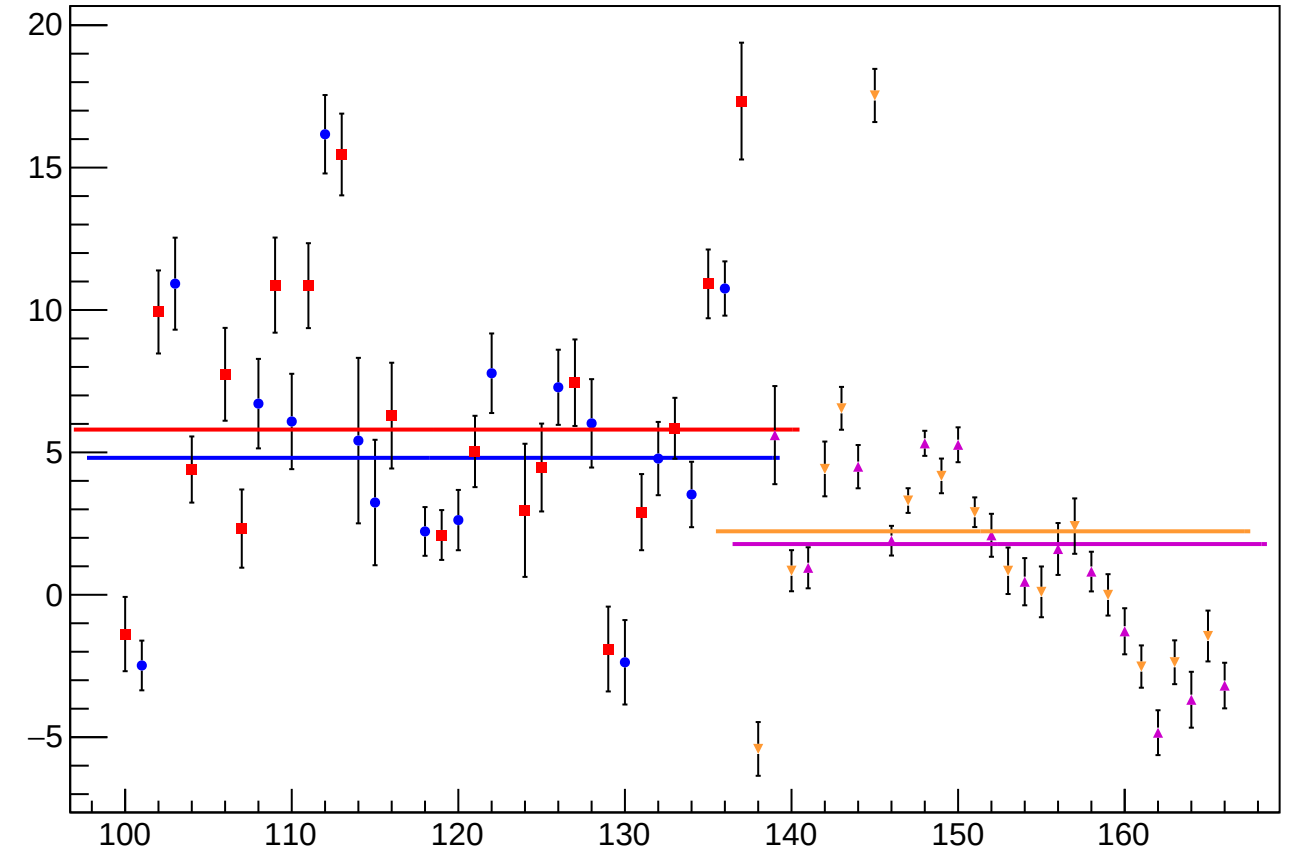
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

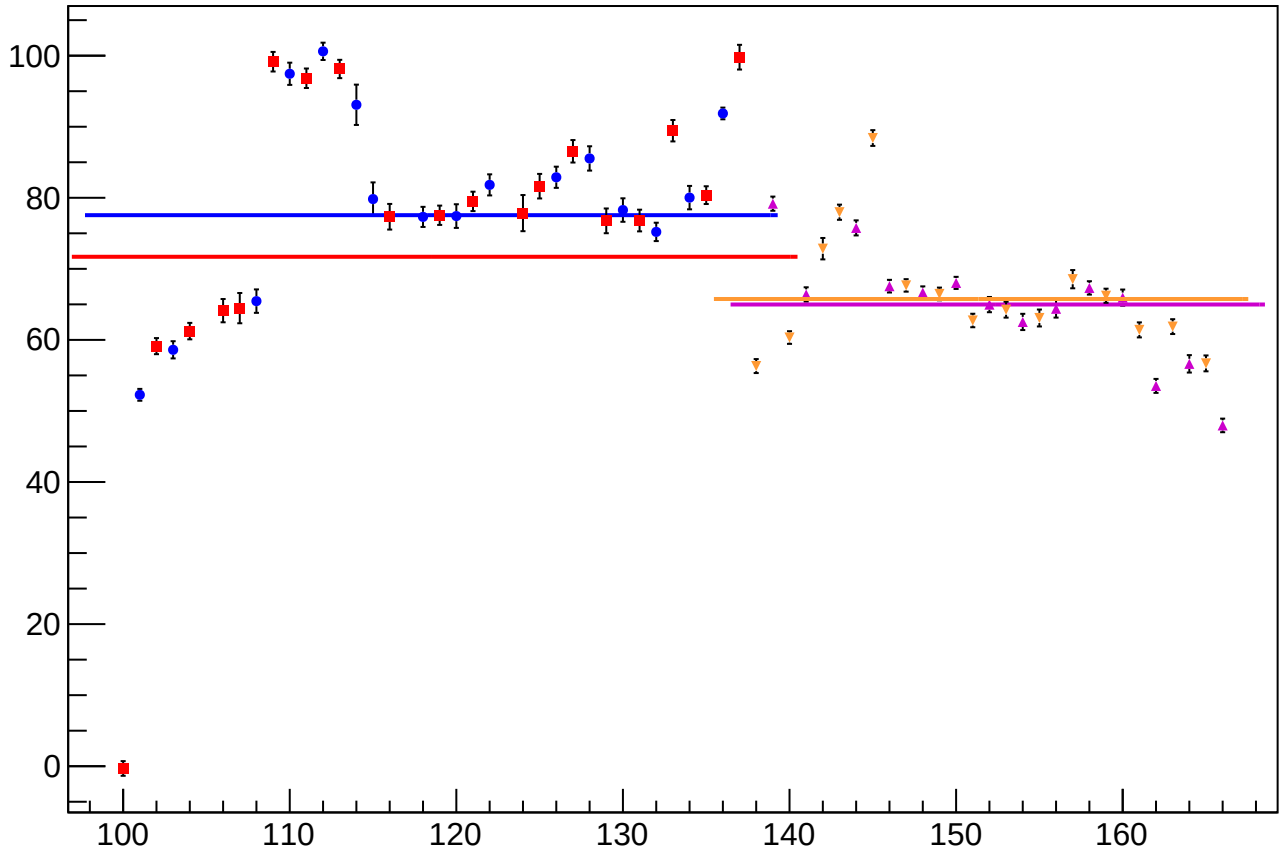
In: -20.114+/-0.009 χ^2/NDF:50010.8/29

Out: -20.584+/-0.009 χ^2/NDF:77750.2/33

All: -20.345+/-0.006 χ^2/NDF: 129091.2/63


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -35.895+/-0.277 χ²/NDF:738.4/14
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -35.309+/-0.278 χ²/NDF:730.1/13
Left: -35.604+/-0.196 χ²/NDF: 1470.7/28
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -37.386+/-0.207 χ²/NDF:2253.6/29
Out: -37.002+/-0.203 χ²/NDF:2546.8/33
All: -37.190+/-0.145 χ²/NDF: 4802.2/63


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 2.229+/-0.185 χ²/NDF:505.8/14
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.781+/-0.190 χ²/NDF:275.3/13
Left: 2.011+/-0.133 χ²/NDF: 784.0/28
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.583+/-0.163 χ²/NDF:583.1/29
Out: 3.145+/-0.160 χ²/NDF:817.8/33
All: 2.870+/-0.114 χ²/NDF: 1407.0/63



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 65.756+/-0.269 χ^2/NDF:822.9/14

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.981+/-0.269 χ^2/NDF:842.1/13

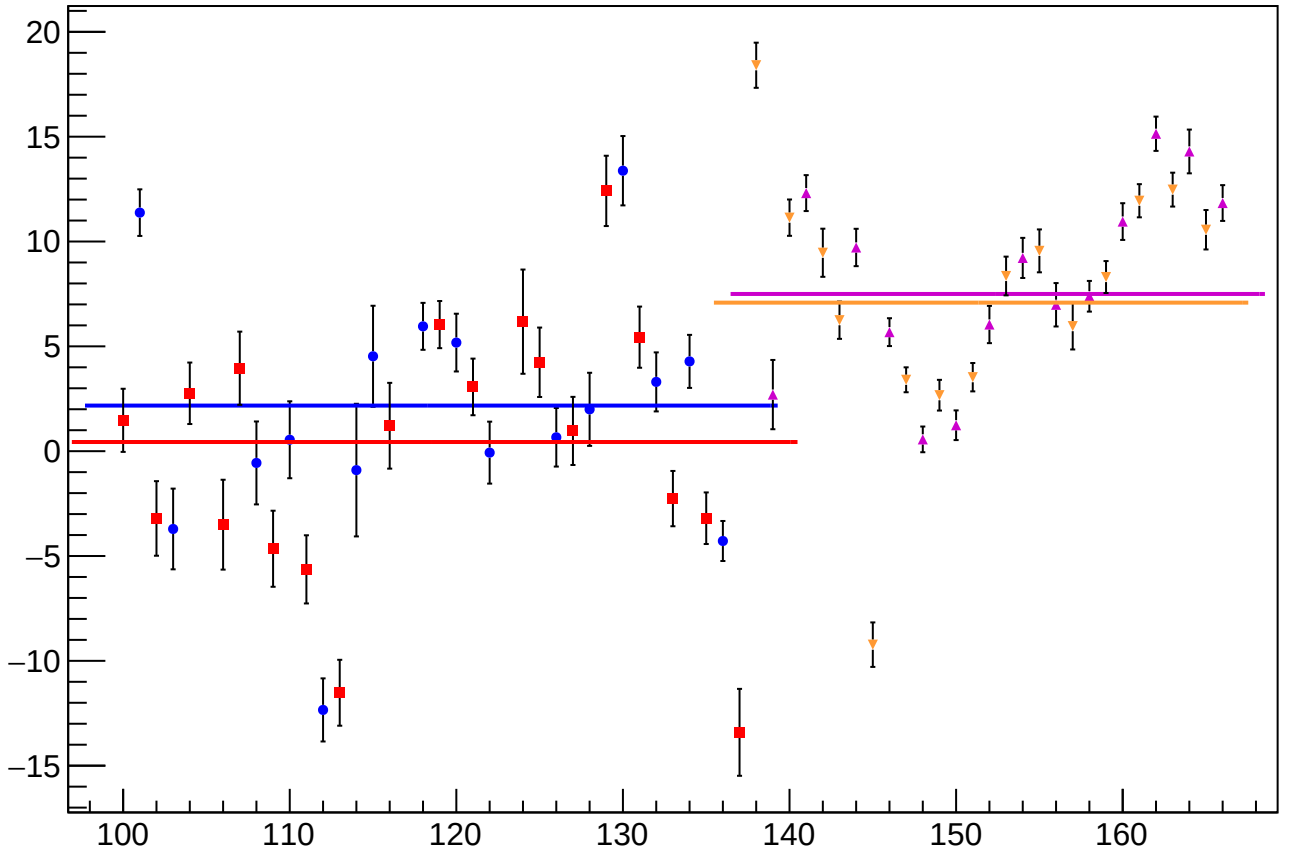
Left: 65.369+/-0.190 χ^2/NDF: 1669.1/28

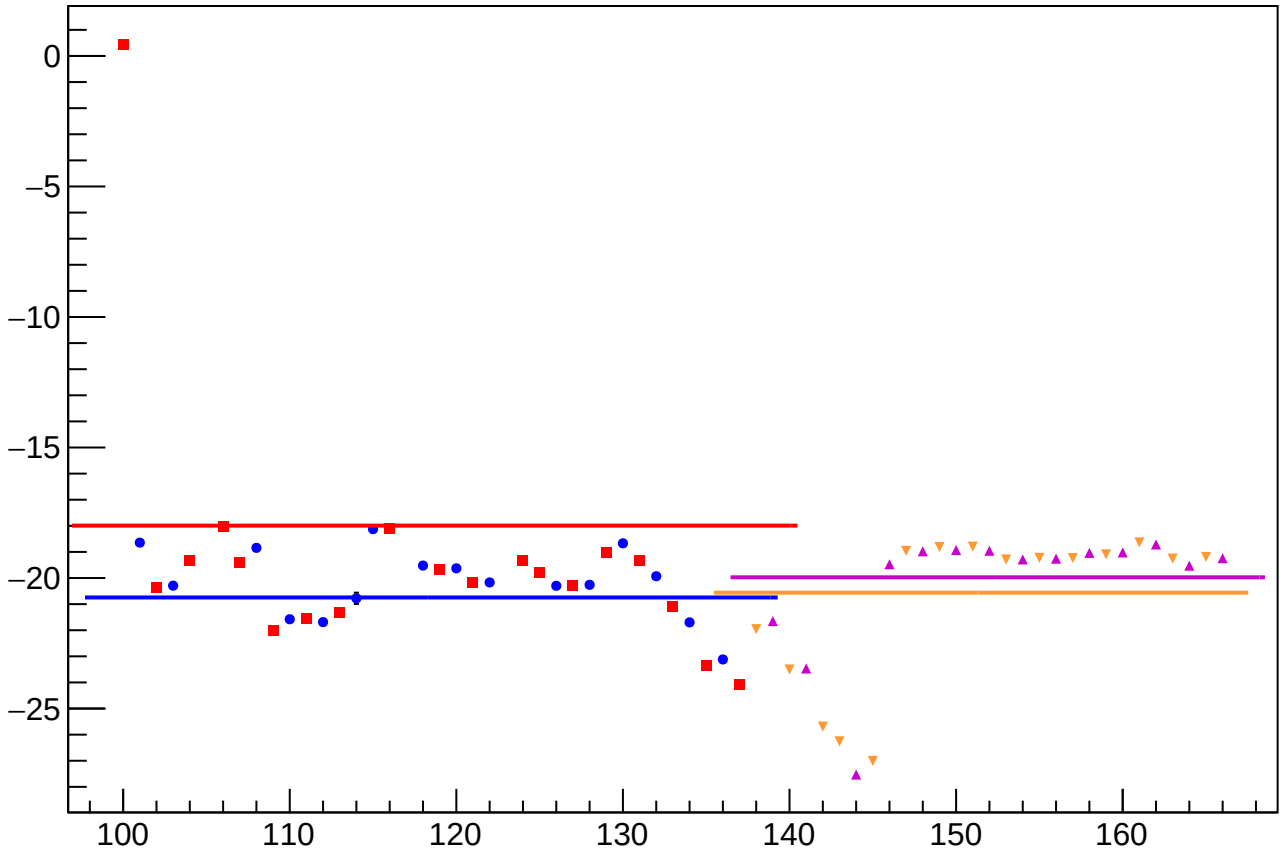
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

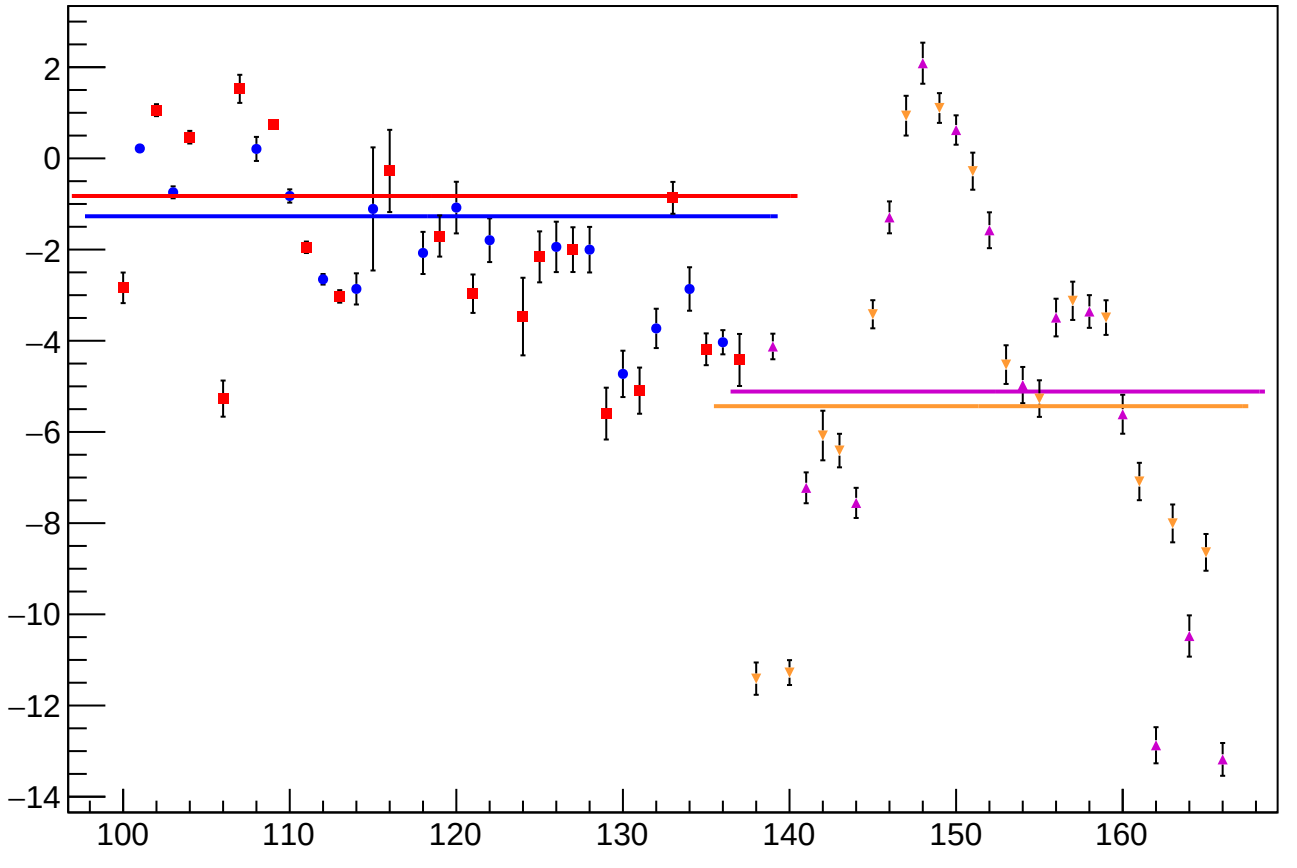
In: 69.875+/-0.210 χ^2/NDF:3808.5/29

Out: 68.125+/-0.209 χ^2/NDF:7920.9/33

All: 68.992+/-0.148 χ^2/NDF: 11764.3/63


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.085+/-0.219 χ²/NDF:583.6/14
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.498+/-0.223 χ²/NDF:437.3/13
Left: 7.288+/-0.156 χ²/NDF: 1022.6/28
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.046+/-0.190 χ²/NDF:883.4/29
Out: 5.307+/-0.187 χ²/NDF:1084.8/33
All: 5.671+/-0.133 χ²/NDF: 1975.9/63


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.560+/-0.010 χ²/NDF:67766.3/14
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.973+/-0.010 χ²/NDF:40897.7/13
Left: -20.264+/-0.007 χ²/NDF: 110295.8/28
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.140+/-0.009 χ²/NDF:49643.5/29
Out: -19.969+/-0.009 χ²/NDF:232582.7/33
All: -20.055+/-0.006 χ²/NDF: 282404.6/63



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.435+/-0.097 χ^2/NDF:1749.2/14

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.114+/-0.098 χ^2/NDF:1945.7/13

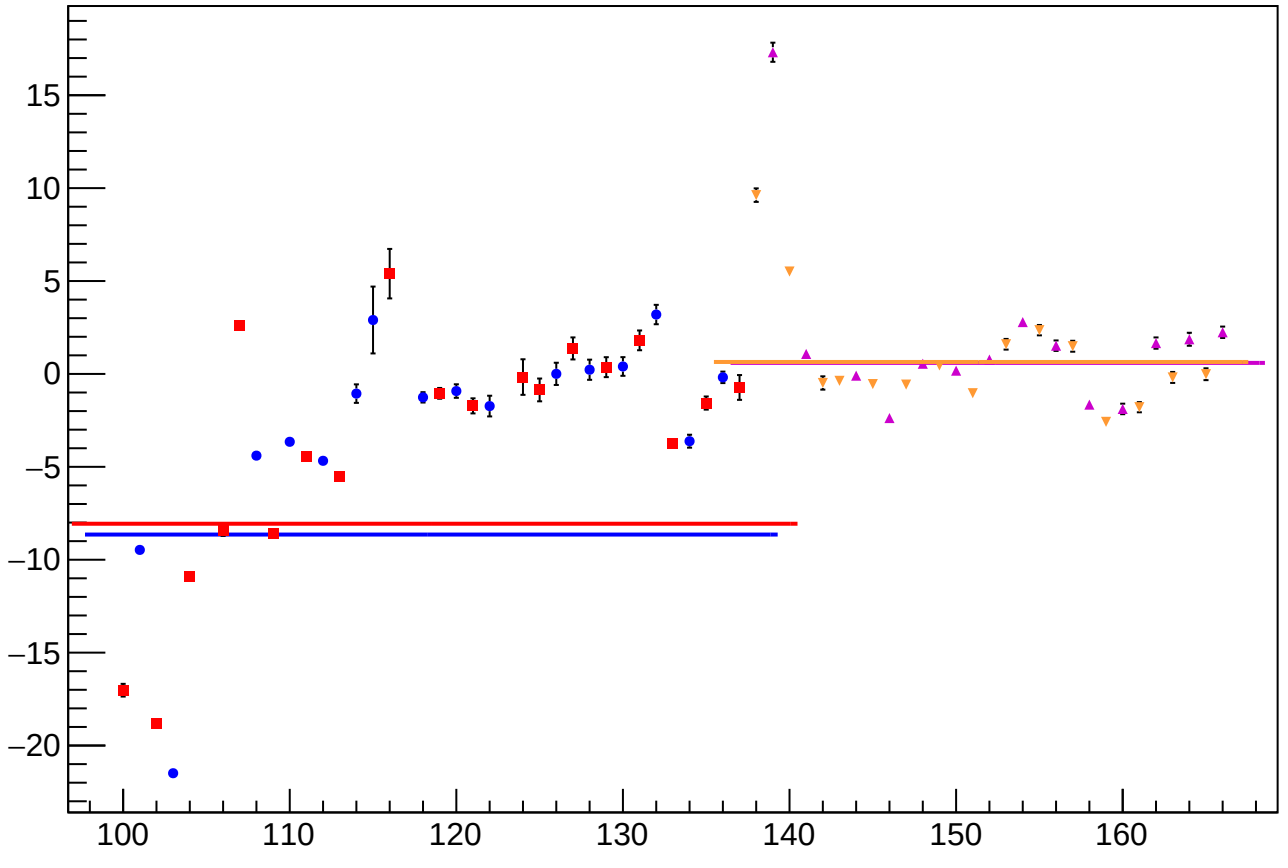
Left: -5.275+/-0.069 χ^2/NDF: 3700.4/28

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.179+/-0.048 χ^2/NDF:3737.6/29

Out: -1.820+/-0.045 χ^2/NDF:4894.3/33

All: -1.990+/-0.033 χ^2/NDF: 8661.7/63



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.644+/-0.068 χ^2/NDF:1499.2/14

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.594+/-0.071 χ^2/NDF:1556.8/13

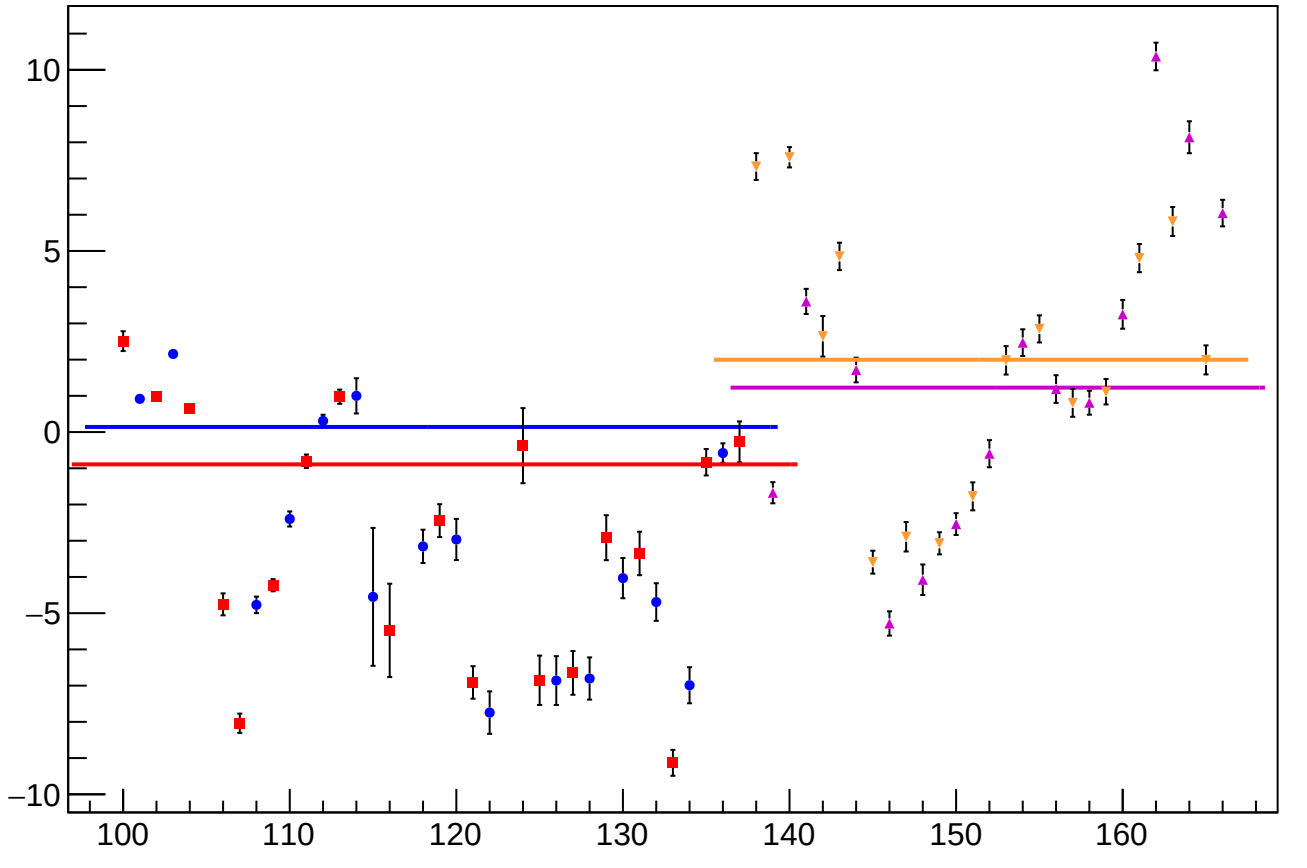
Left: 0.620+/-0.049 χ^2/NDF: 3056.3/28

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.005+/-0.044 χ^2/NDF:25757.3/29

Out: -4.441+/-0.044 χ^2/NDF:25464.8/33

All: -4.720+/-0.031 χ^2/NDF: 51303.9/63



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.095 χ^2/NDF:1654.1/14

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 1.227+/-0.095 χ^2/NDF:1895.0/13

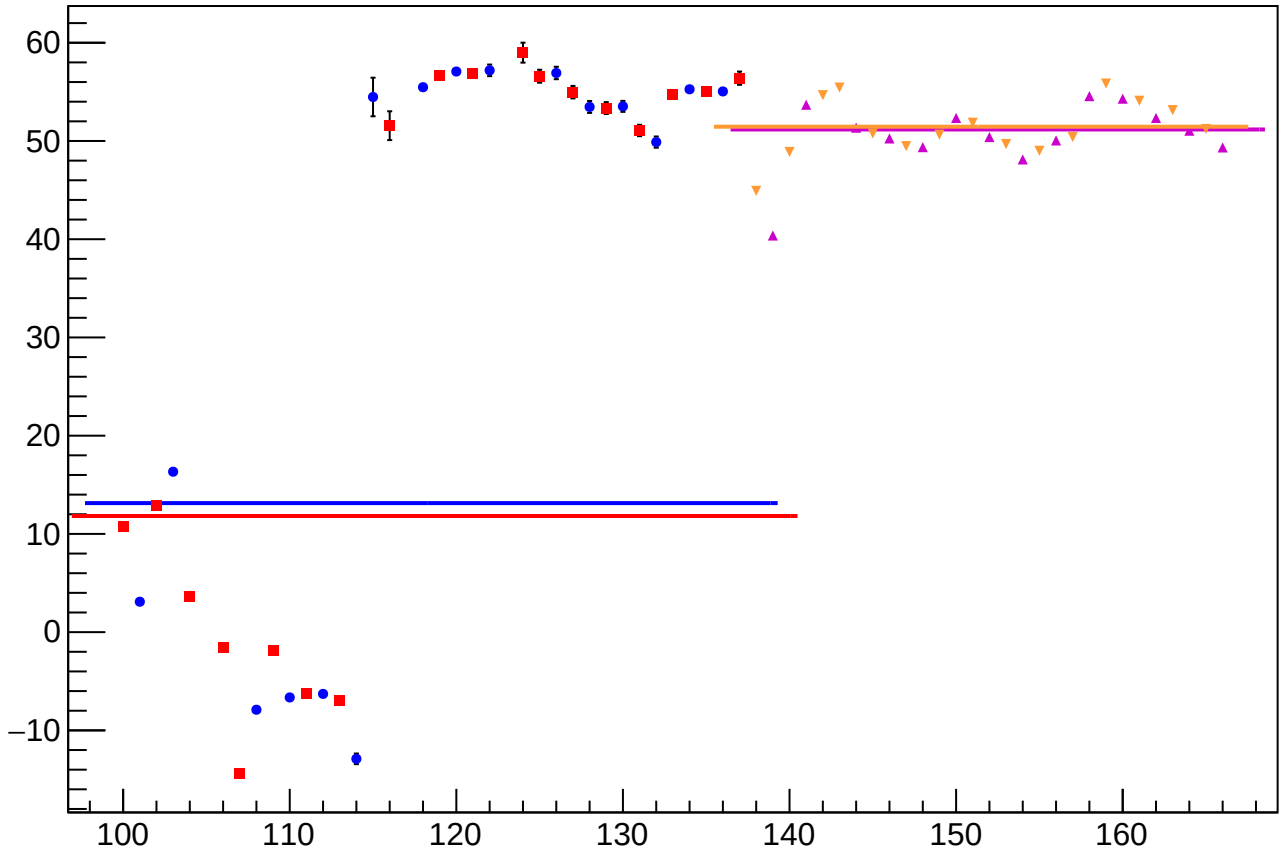
Left: 1.613+/-0.067 χ^2/NDF: 3582.0/28

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.398+/-0.046 χ^2/NDF:3954.1/29

Out: -0.191+/-0.047 χ^2/NDF:5342.7/33

All: 0.106+/-0.033 χ^2/NDF: 9377.2/63



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.454+/-0.079 χ^2/NDF:1096.8/14

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.171+/-0.081 χ^2/NDF:1058.5/13

Left: 51.316+/-0.057 χ^2/NDF: 2161.5/28

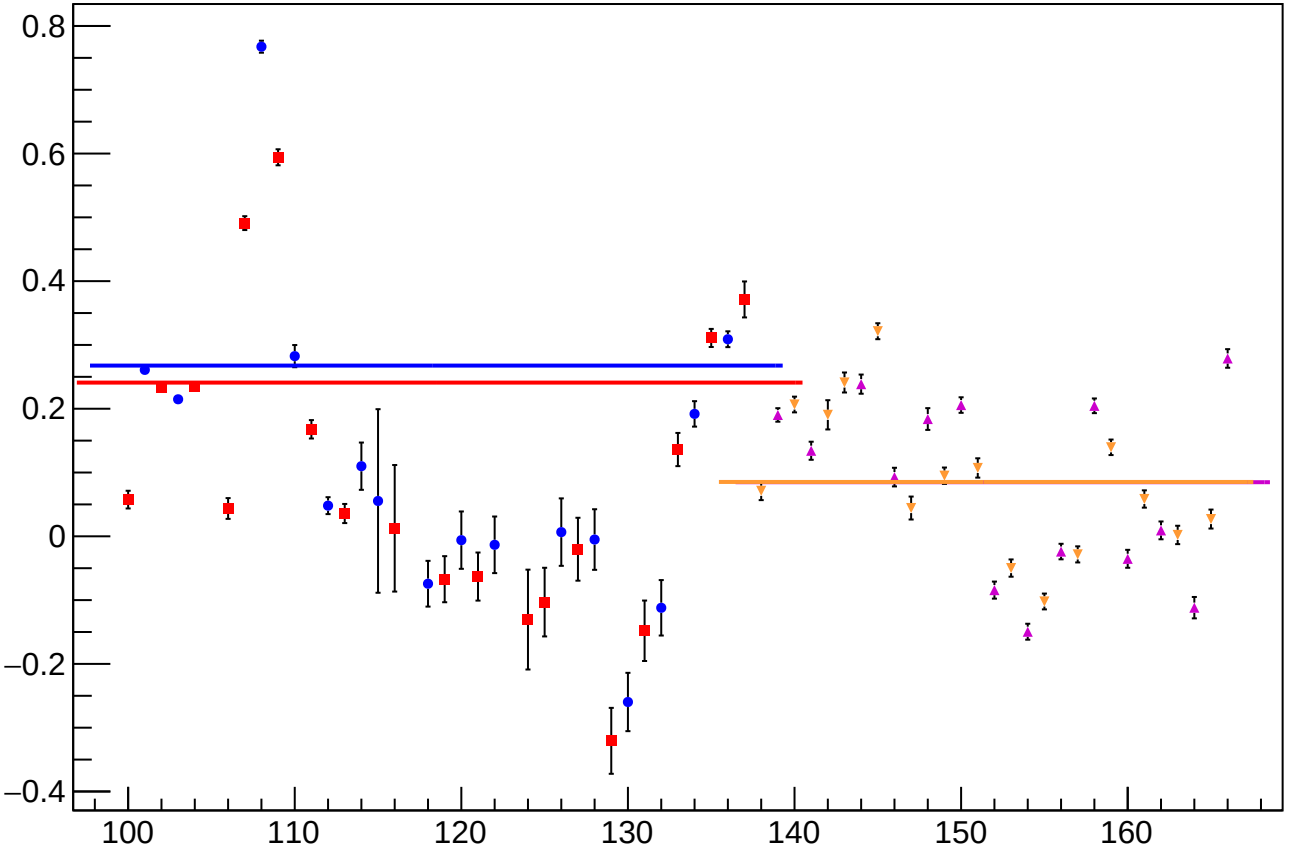
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 28.832+/-0.052 χ^2/NDF:238960.1/29

Out: 28.609+/-0.052 χ^2/NDF:263788.8/33

All: 28.720+/-0.037 χ^2/NDF: 502758.2/63

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.085+/-0.004 χ^2/NDF:1063.5/14

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.085+/-0.004 χ^2/NDF:1465.3/13

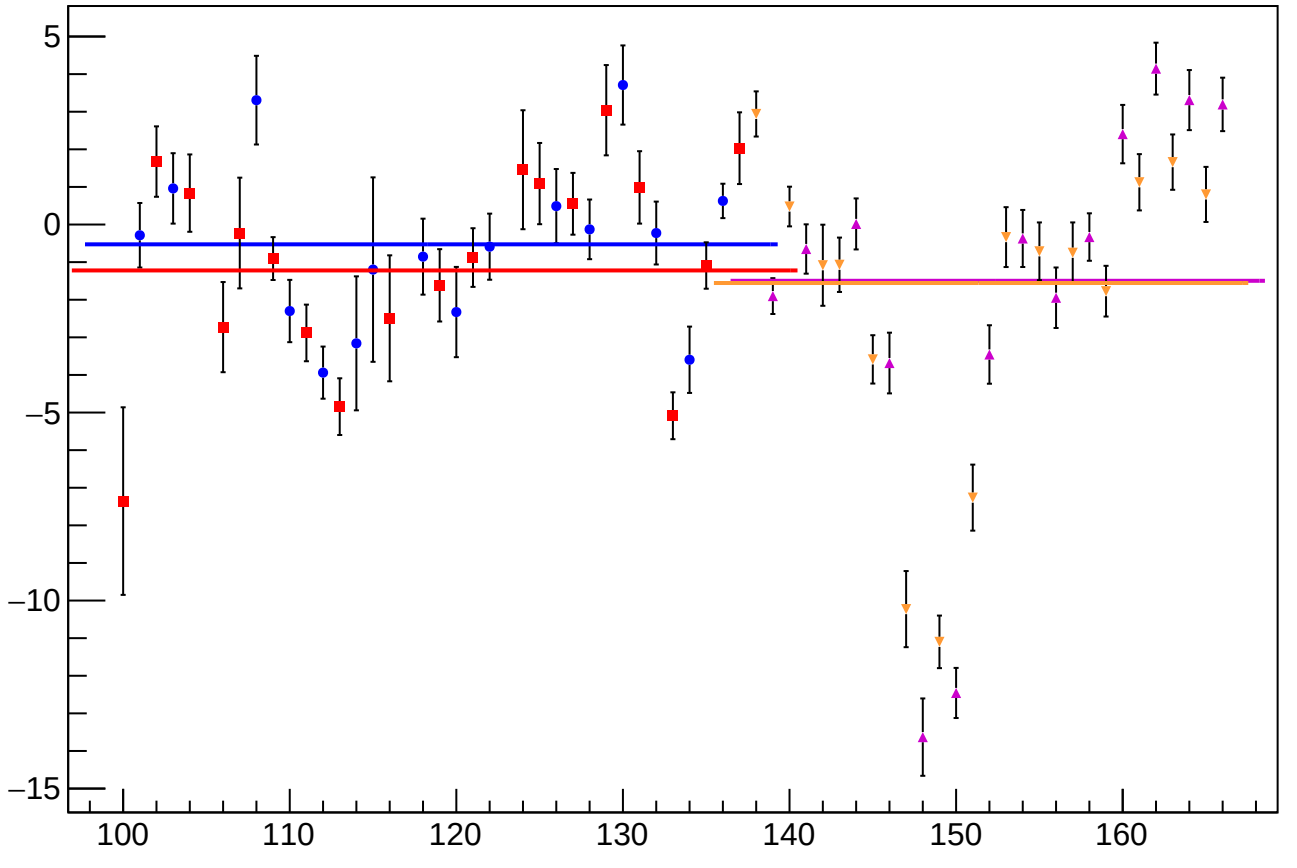
Left: 0.085+/-0.003 χ^2/NDF: 2528.9/28

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.199+/-0.002 χ^2/NDF:6805.7/29

Out: 0.184+/-0.002 χ^2/NDF:4584.1/33

All: 0.191+/-0.002 χ^2/NDF: 11412.5/63



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.555+/-0.188 χ^2/NDF:430.5/14

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.496+/-0.188 χ^2/NDF:608.5/13

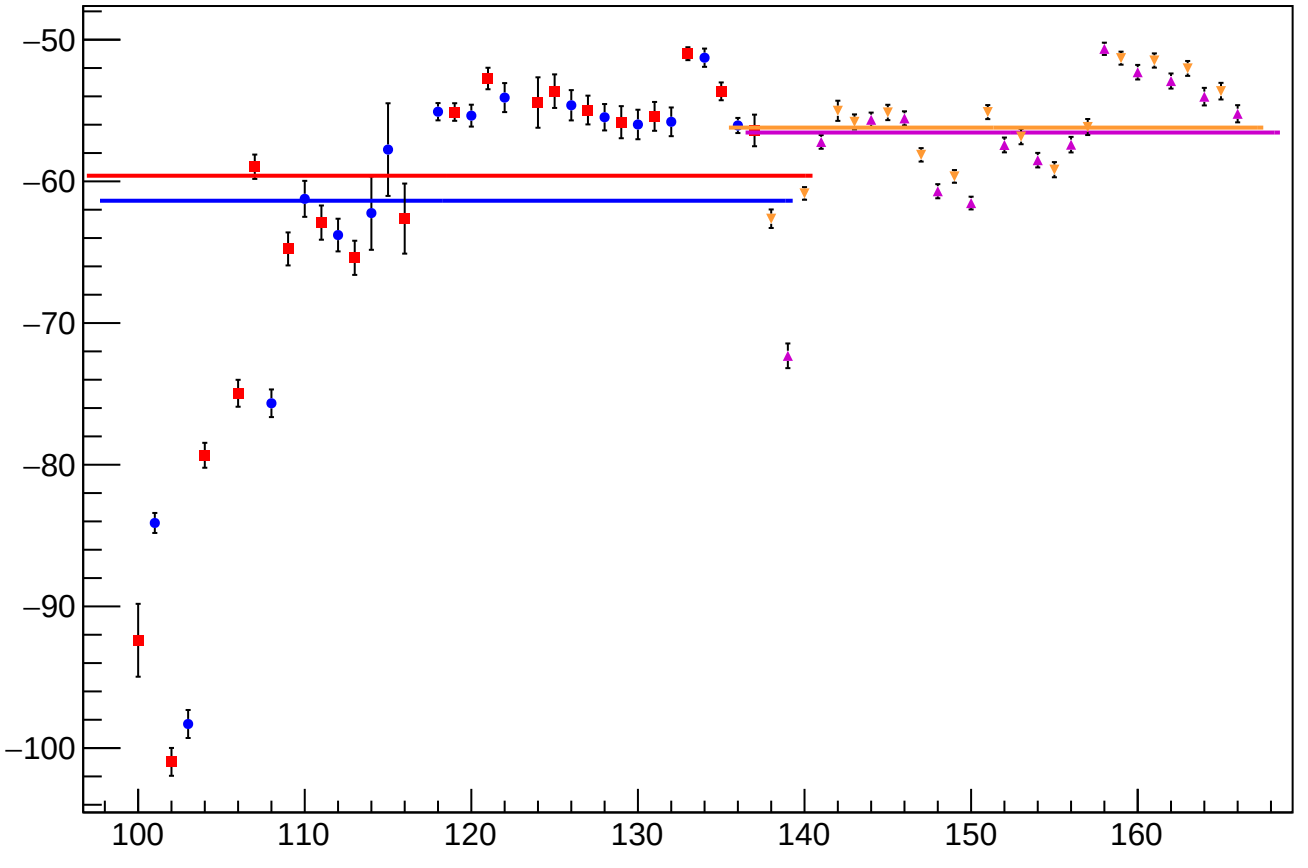
Left: -1.526+/-0.133 χ^2/NDF: 1039.0/28

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.081+/-0.142 χ^2/NDF:702.6/29

Out: -1.402+/-0.138 χ^2/NDF:562.8/33

All: -1.246+/-0.099 χ^2/NDF: 1268.1/63



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.204+/-0.135 χ^2/NDF:608.7/14

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.553+/-0.140 χ^2/NDF:869.6/13

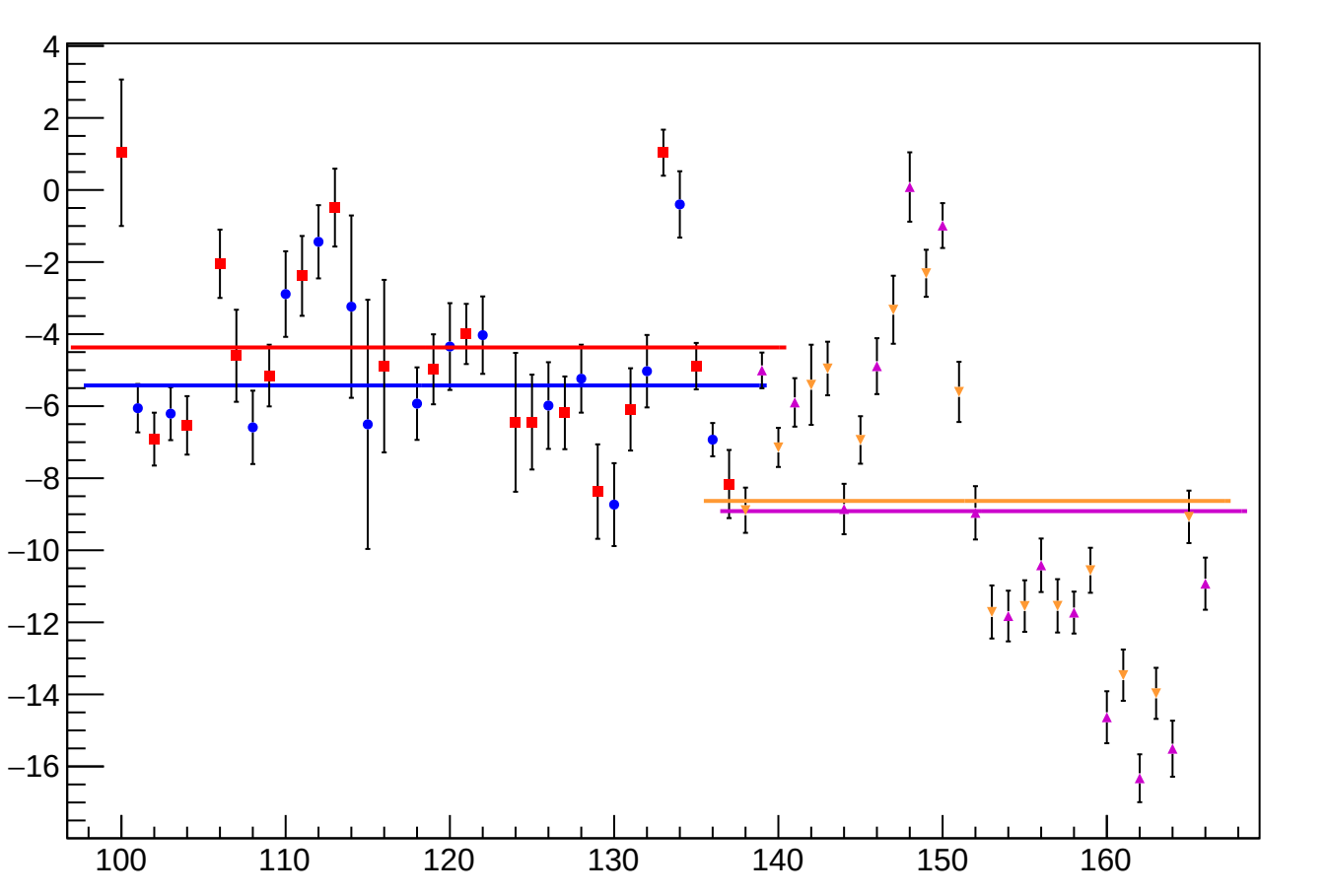
Left: -56.372+/-0.097 χ^2/NDF: 1481.6/28

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.947+/-0.118 χ^2/NDF:4564.0/29

Out: -57.219+/-0.113 χ^2/NDF:4219.6/33

All: -57.567+/-0.082 χ^2/NDF: 8803.5/63



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.631+/-0.183 χ^2/NDF:347.8/14

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.914+/-0.183 χ^2/NDF:670.3/13

Left: -8.773+/-0.129 χ^2/NDF: 1019.3/28

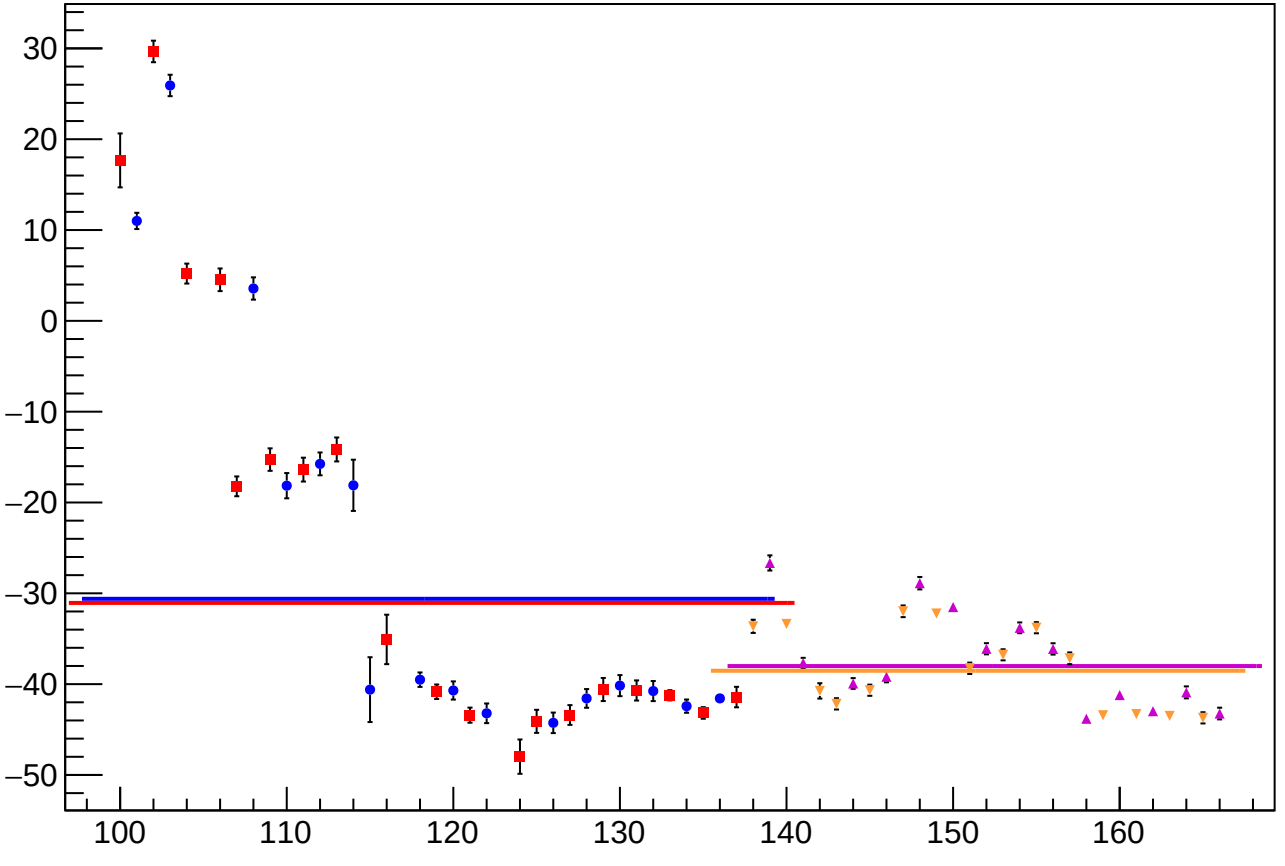
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.565+/-0.143 χ^2/NDF:887.5/29

Out: -6.910+/-0.141 χ^2/NDF:722.9/33

All: -7.234+/-0.101 χ^2/NDF: 1620.9/63

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.526+/-0.155 χ^2/NDF:838.7/14

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.009+/-0.158 χ^2/NDF:963.6/13

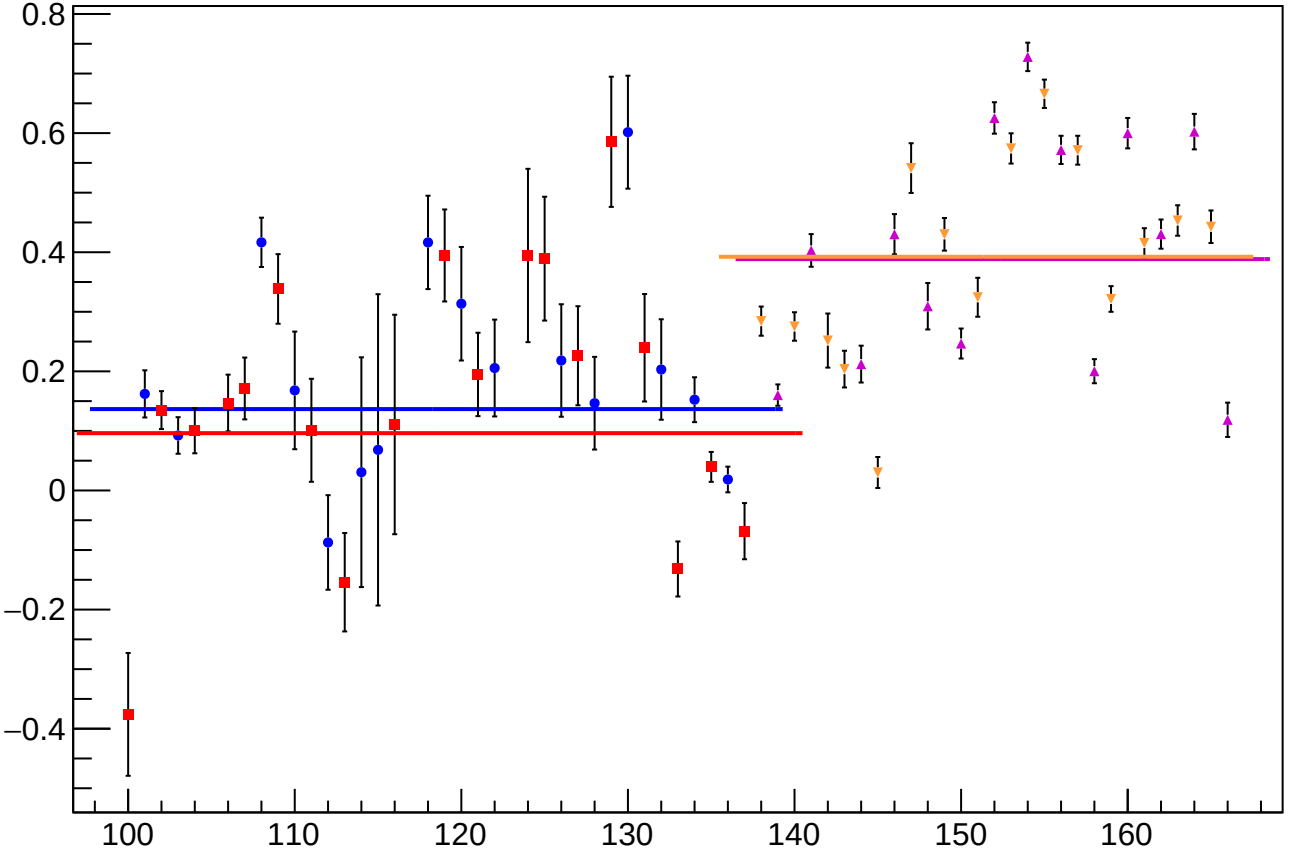
Left: -38.273+/-0.111 χ^2/NDF: 1807.8/28

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.885+/-0.134 χ^2/NDF:8530.2/29

Out: -36.306+/-0.130 χ^2/NDF:8508.8/33

All: -36.102+/-0.093 χ^2/NDF: 17044.1/63



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.392+/-0.007 χ^2/NDF:562.1/14

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.388+/-0.007 χ^2/NDF:872.5/13

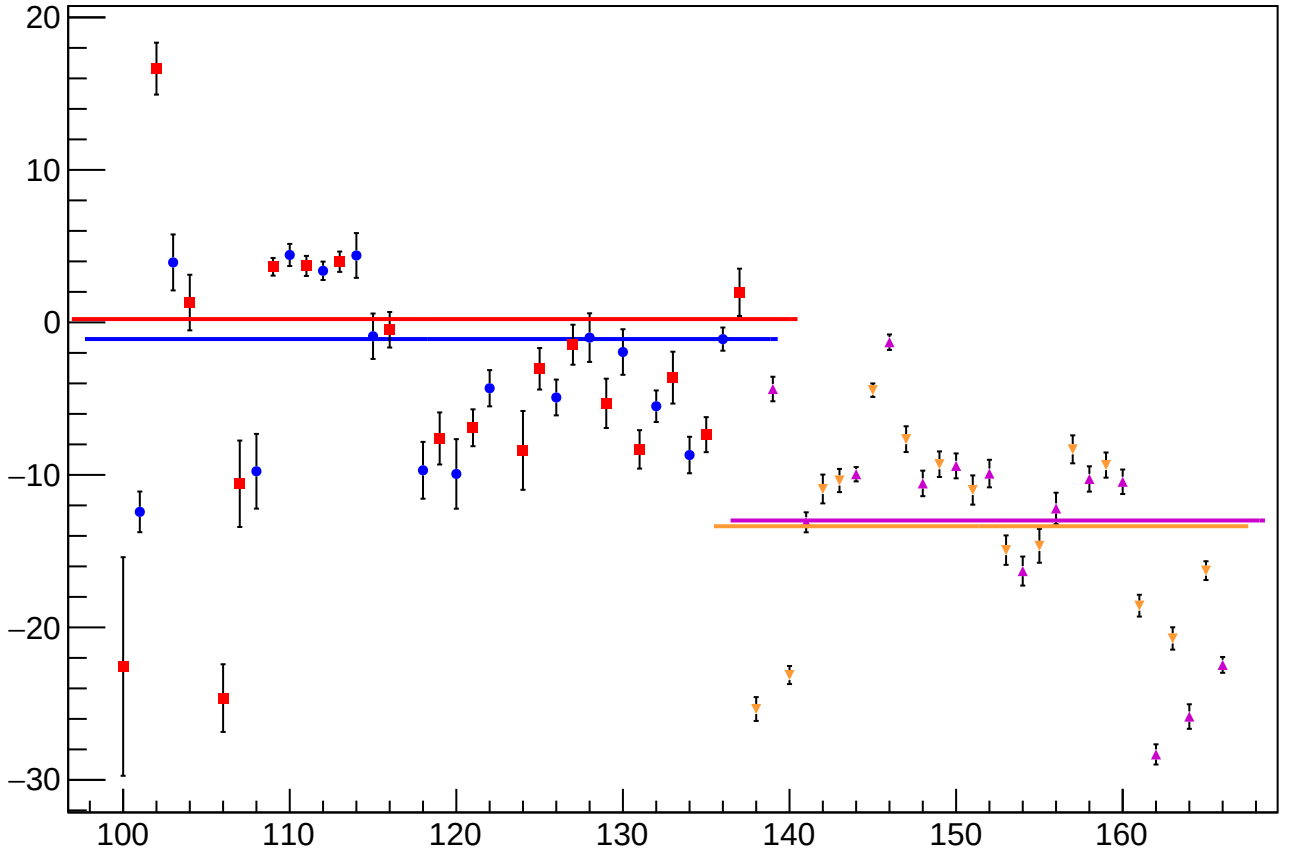
Left: 0.390+/-0.005 χ^2/NDF: 1434.8/28

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.331+/-0.006 χ^2/NDF:1314.7/29

Out: 0.322+/-0.006 χ^2/NDF:1148.2/33

All: 0.326+/-0.004 χ^2/NDF: 2464.0/63



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.367+/-0.191 χ^2/NDF:1246.6/14

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.989+/-0.186 χ^2/NDF:1884.7/13

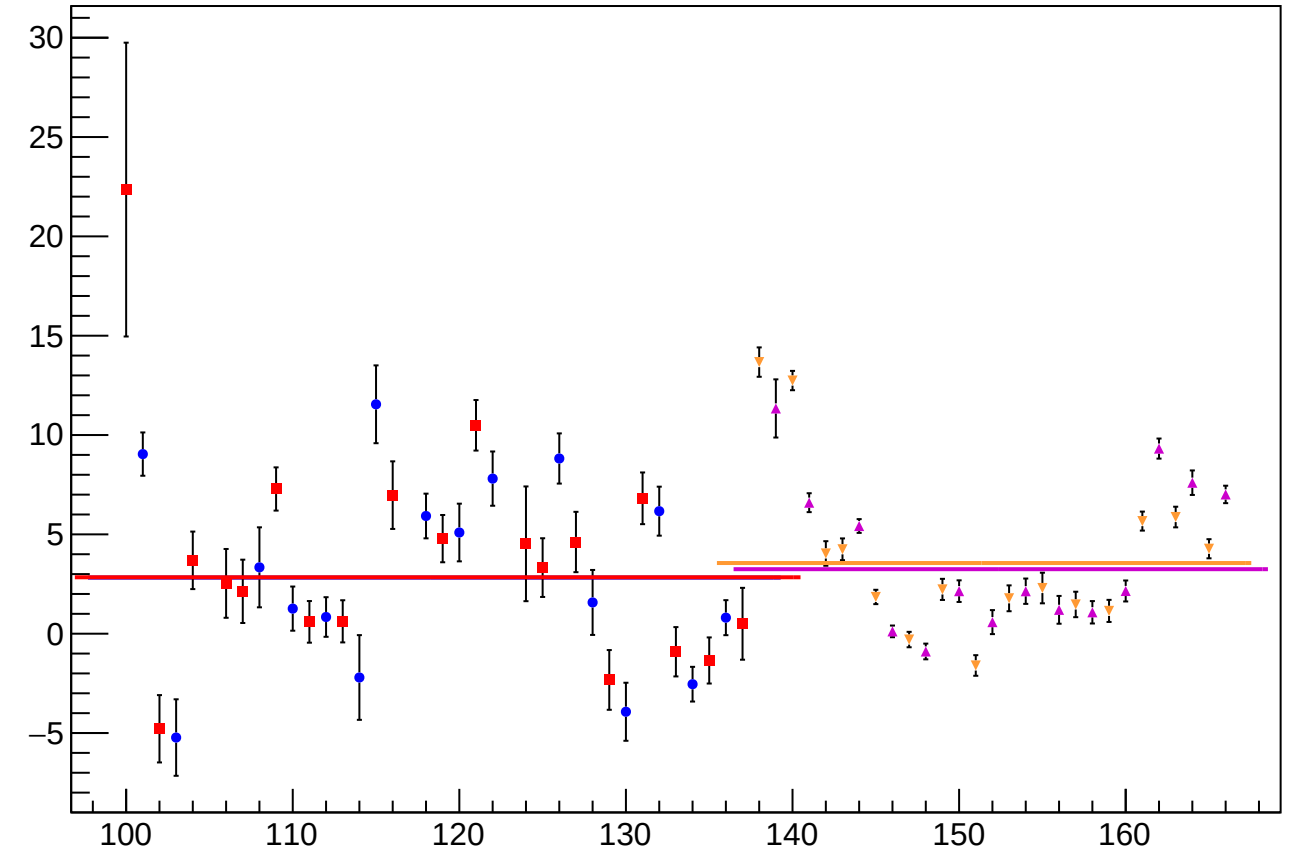
Left: -13.172+/-0.133 χ^2/NDF: 3133.3/28

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.365+/-0.155 χ^2/NDF:3466.9/29

Out: -8.746+/-0.155 χ^2/NDF:3485.4/33

All: -9.056+/-0.110 χ^2/NDF: 6960.3/63



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.557+/-0.134 χ^2/NDF:852.8/14

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.247+/-0.129 χ^2/NDF:664.2/13

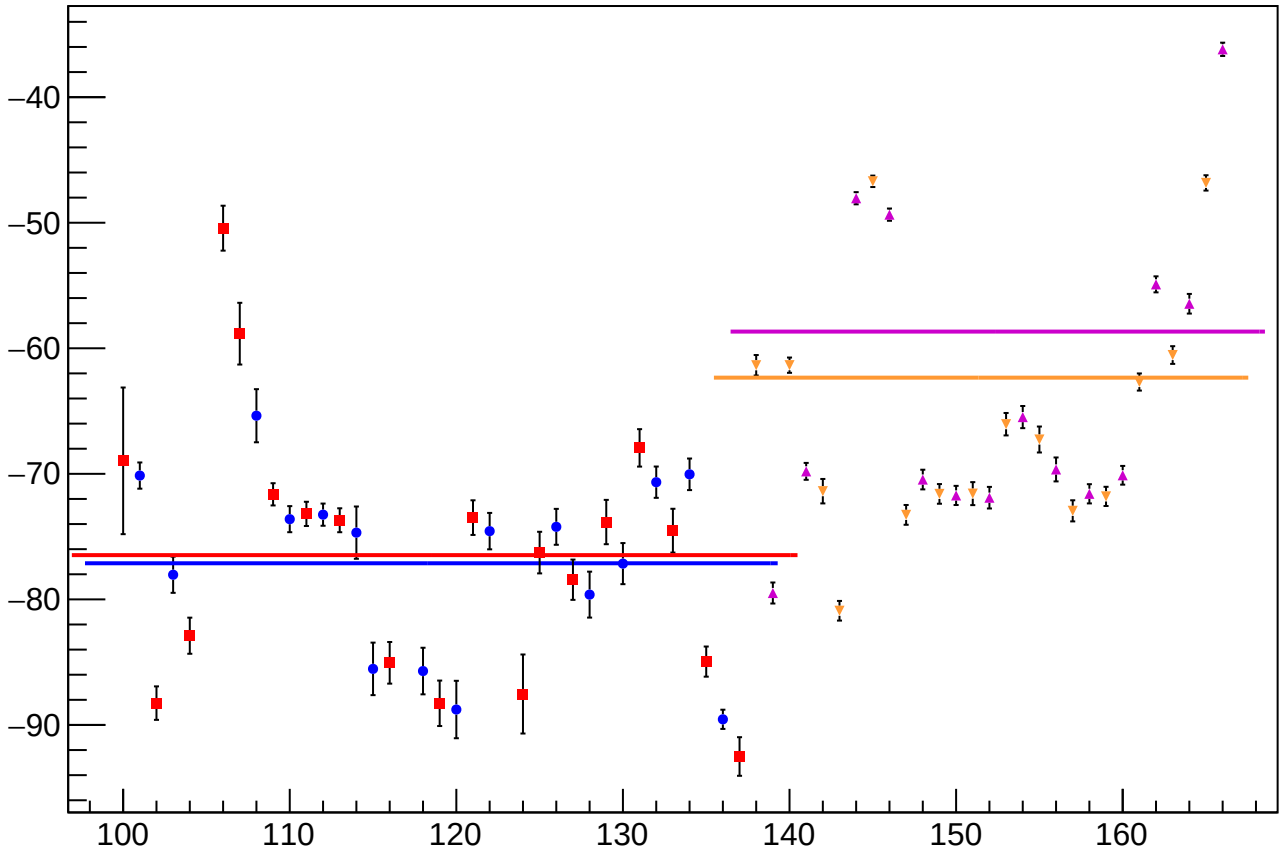
Left: 3.396+/-0.093 χ^2/NDF: 1519.7/28

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.186+/-0.119 χ^2/NDF:865.3/29

Out: 3.452+/-0.124 χ^2/NDF:1002.0/33

All: 3.314+/-0.086 χ^2/NDF: 1869.7/63



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.339+/-0.188 χ^2/NDF:3267.2/14

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -58.670+/-0.182 χ^2/NDF:5051.2/13

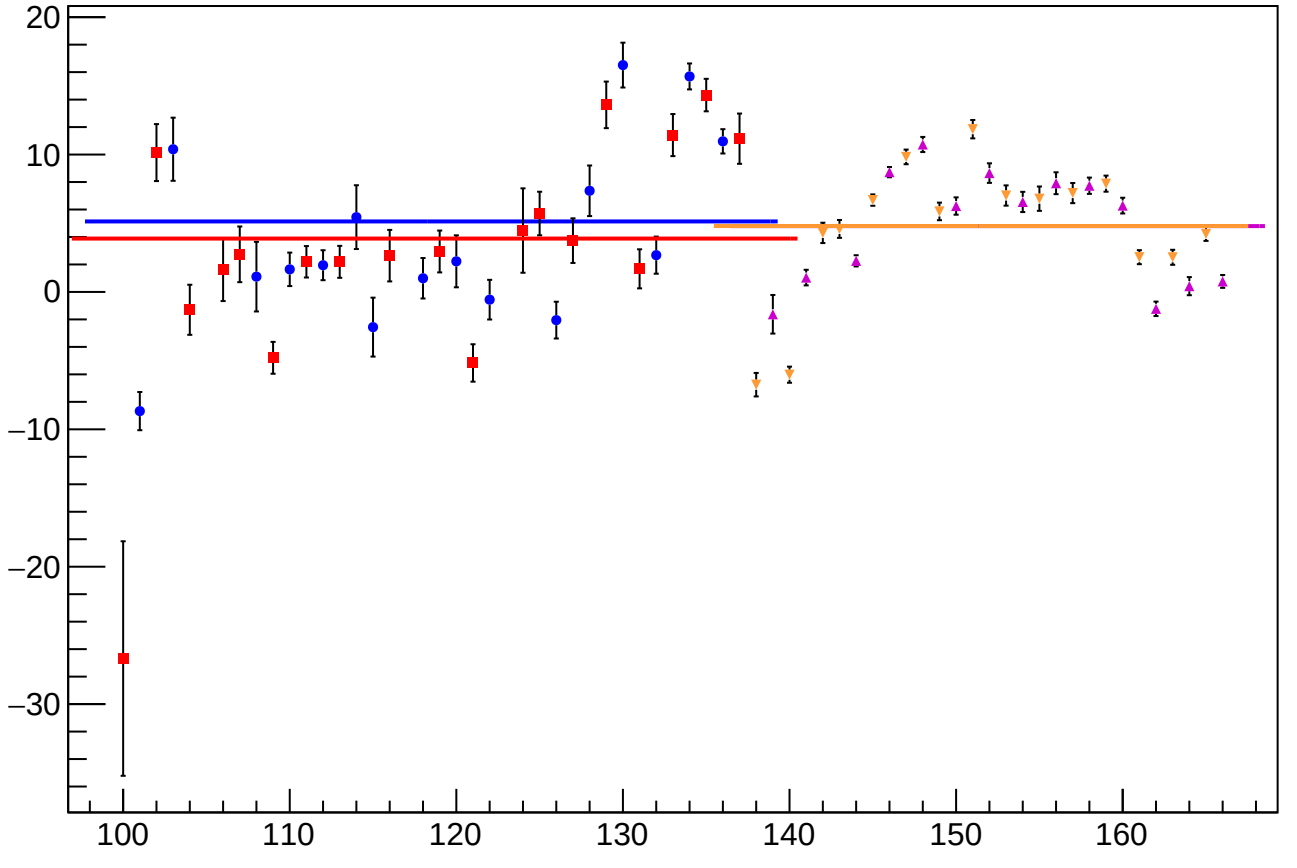
Left: -60.440+/-0.131 χ^2/NDF: 8515.4/28

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -63.033+/-0.159 χ^2/NDF:7996.7/29

Out: -65.827+/-0.163 χ^2/NDF:5358.0/33

All: -64.391+/-0.114 χ^2/NDF: 13505.4/63



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.798+/-0.155 χ^2/NDF:838.1/14

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.792+/-0.150 χ^2/NDF:666.8/13

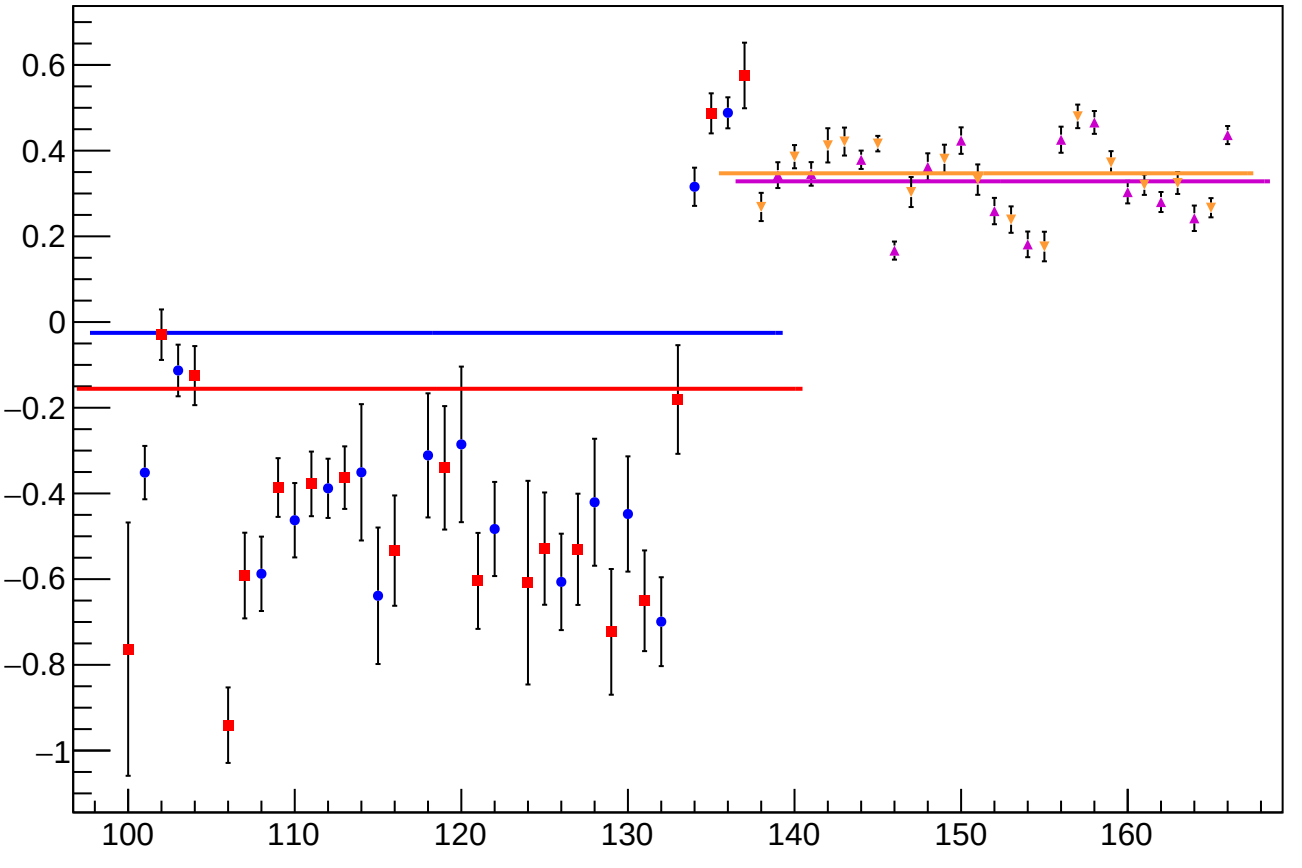
Left: 4.795+/-0.108 χ^2/NDF: 1504.9/28

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.845+/-0.138 χ^2/NDF:1079.9/29

Out: 4.655+/-0.143 χ^2/NDF:1135.0/33

All: 4.753+/-0.099 χ^2/NDF: 2215.8/63



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.347+/-0.007 χ^2/NDF:109.0/14

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.328+/-0.007 χ^2/NDF:181.2/13

Left: 0.338+/-0.005 χ^2/NDF: 293.6/28

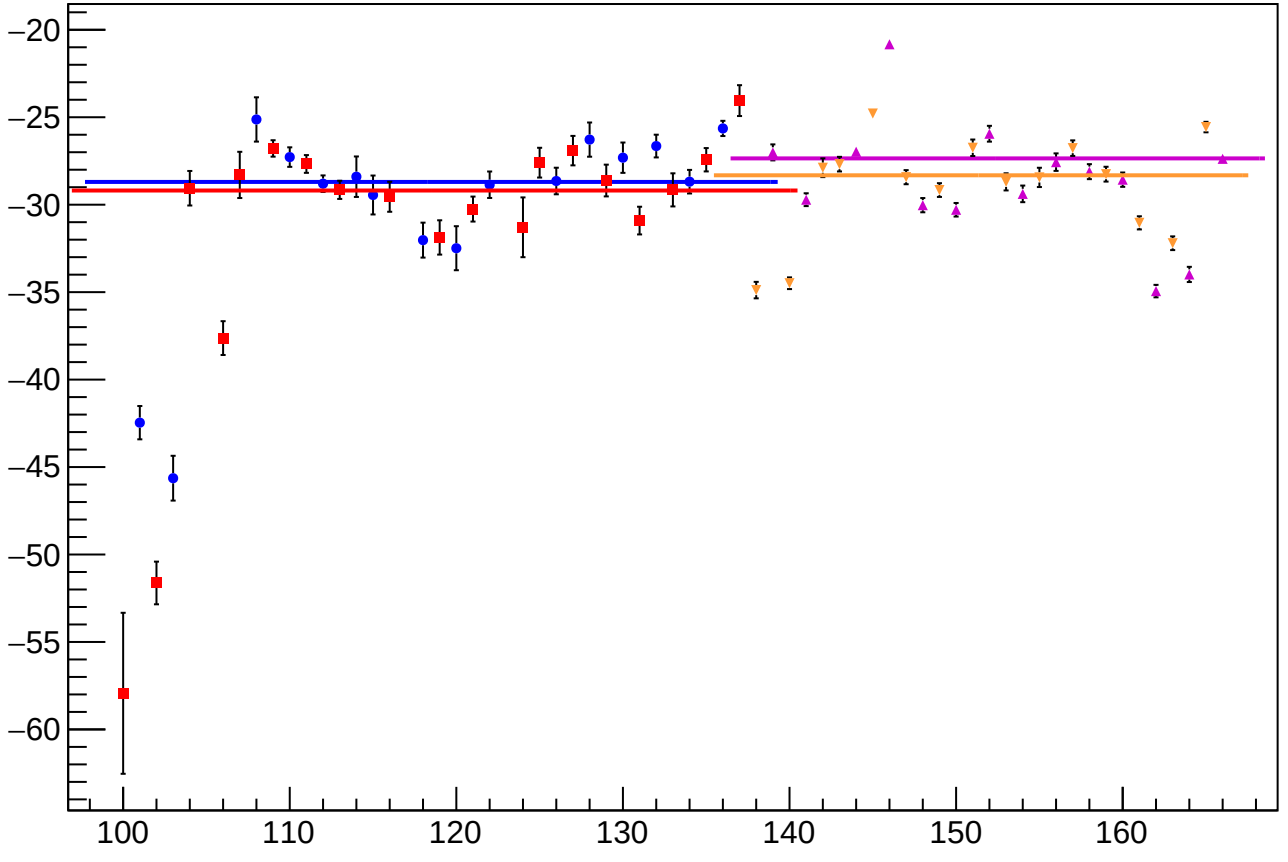
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.285+/-0.007 χ^2/NDF:999.9/29

Out: 0.291+/-0.007 χ^2/NDF:1153.4/33

All: 0.288+/-0.005 χ^2/NDF: 2153.6/63

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.319+/-0.097 χ^2/NDF:1103.9/14

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.353+/-0.090 χ^2/NDF:1872.3/13

Left: -27.800+/-0.066 χ^2/NDF: 3029.7/28

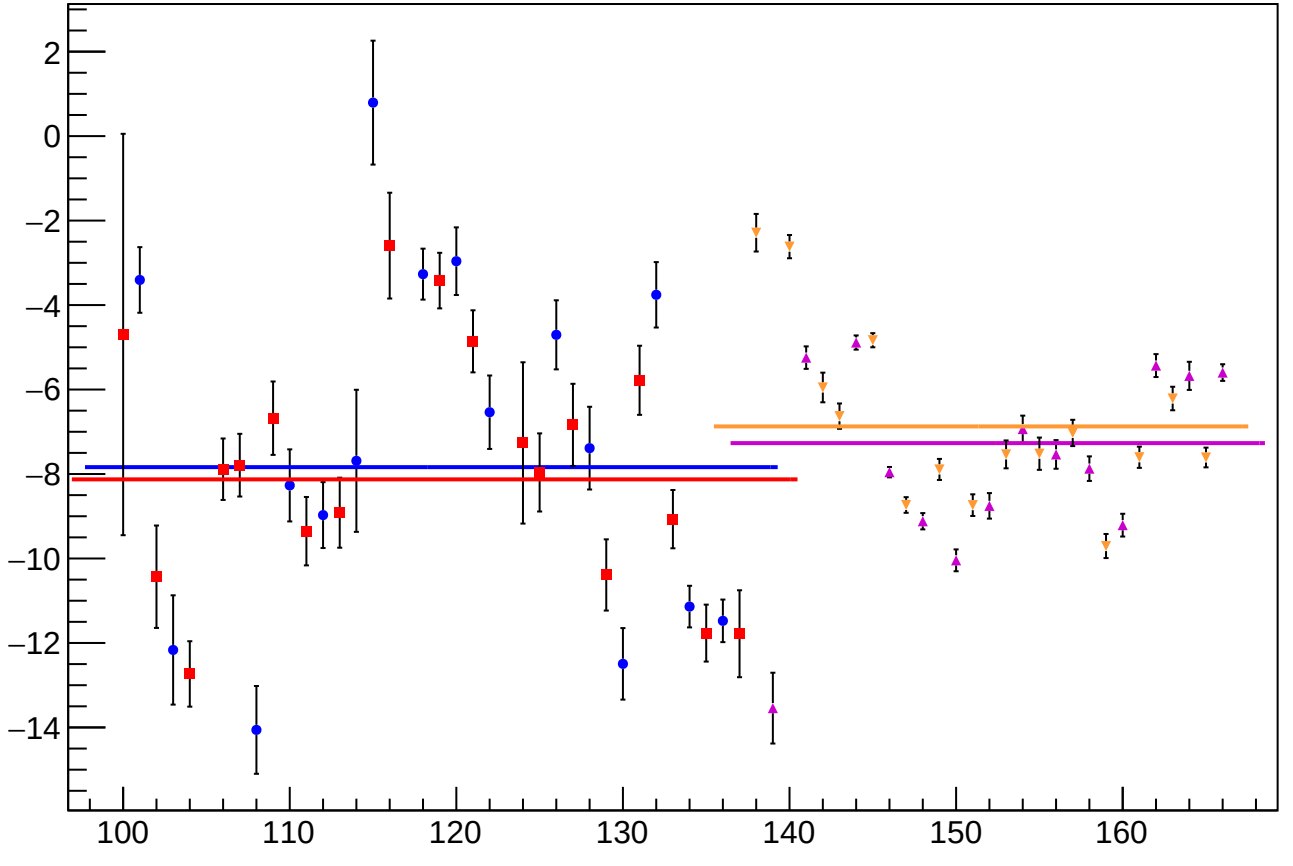
Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.608+/-0.081 χ^2/NDF:2402.0/29

Out: -28.512+/-0.085 χ^2/NDF:1679.1/33

All: -28.036+/-0.059 χ^2/NDF: 4140.3/63

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.873+/-0.068 χ^2/NDF:801.7/14

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.268+/-0.062 χ^2/NDF:775.4/13

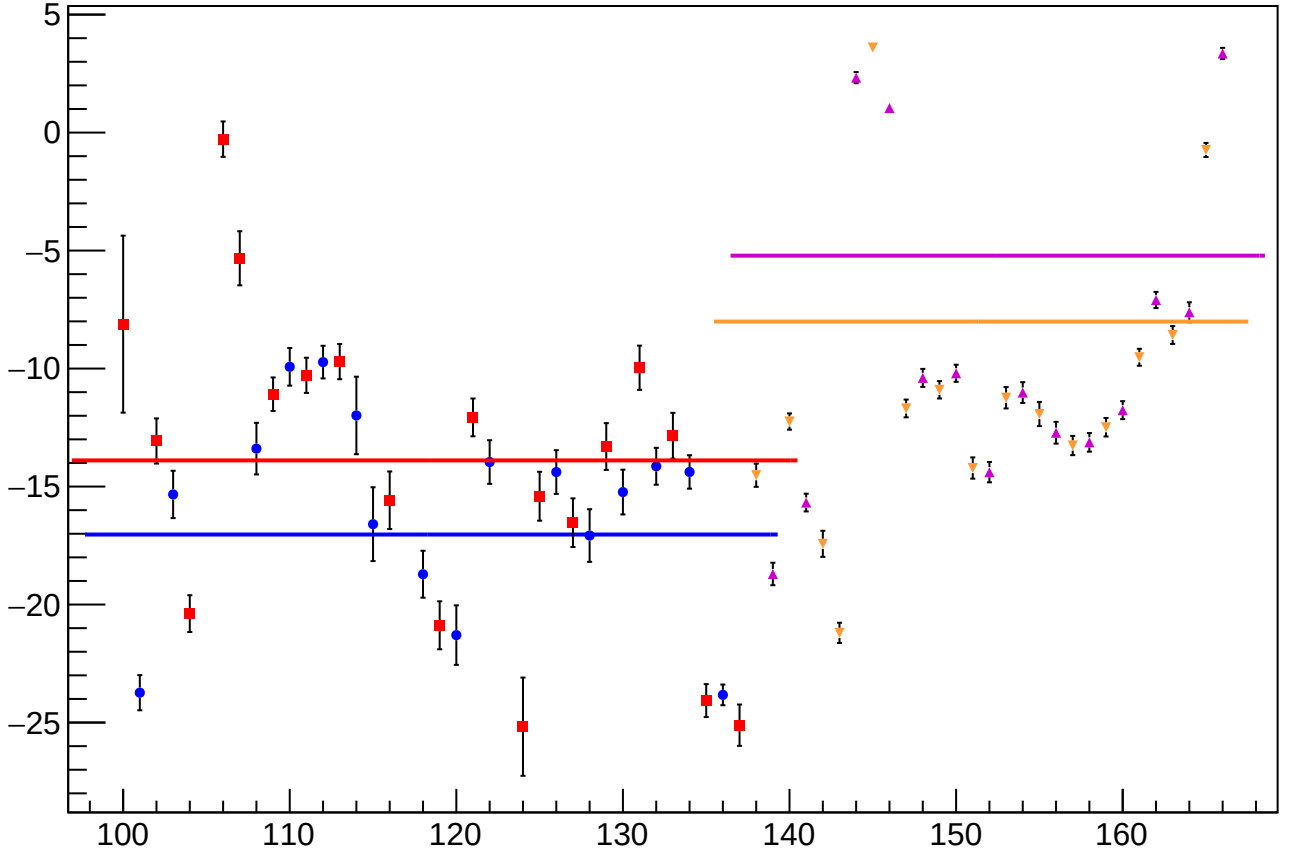
Left: -7.089+/-0.046 χ^2/NDF: 1595.8/28

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.320+/-0.059 χ^2/NDF:1166.4/29

Out: -7.005+/-0.064 χ^2/NDF:1035.4/33

All: -7.176+/-0.043 χ^2/NDF: 2214.9/63



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.009+/-0.095 χ^2/NDF:6043.7/14

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -5.215+/-0.088 χ^2/NDF:6923.1/13

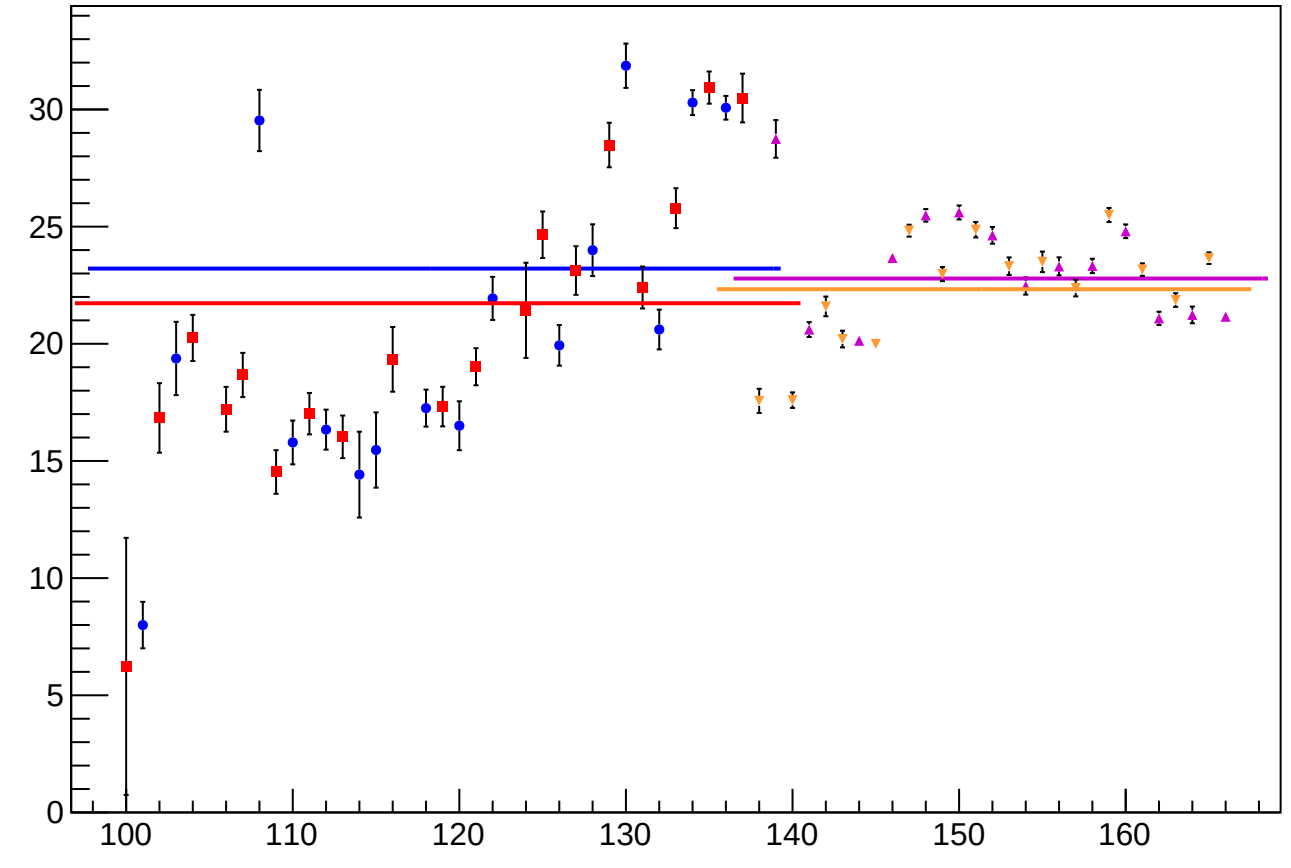
Left: -6.503+/-0.064 χ^2/NDF: 13433.5/28

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.982+/-0.081 χ^2/NDF:10233.8/29

Out: -9.012+/-0.086 χ^2/NDF:7716.3/33

All: -7.930+/-0.059 χ^2/NDF: 18244.0/63



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.330+/-0.078 χ^2/NDF:803.4/14

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.785+/-0.072 χ^2/NDF:700.5/13

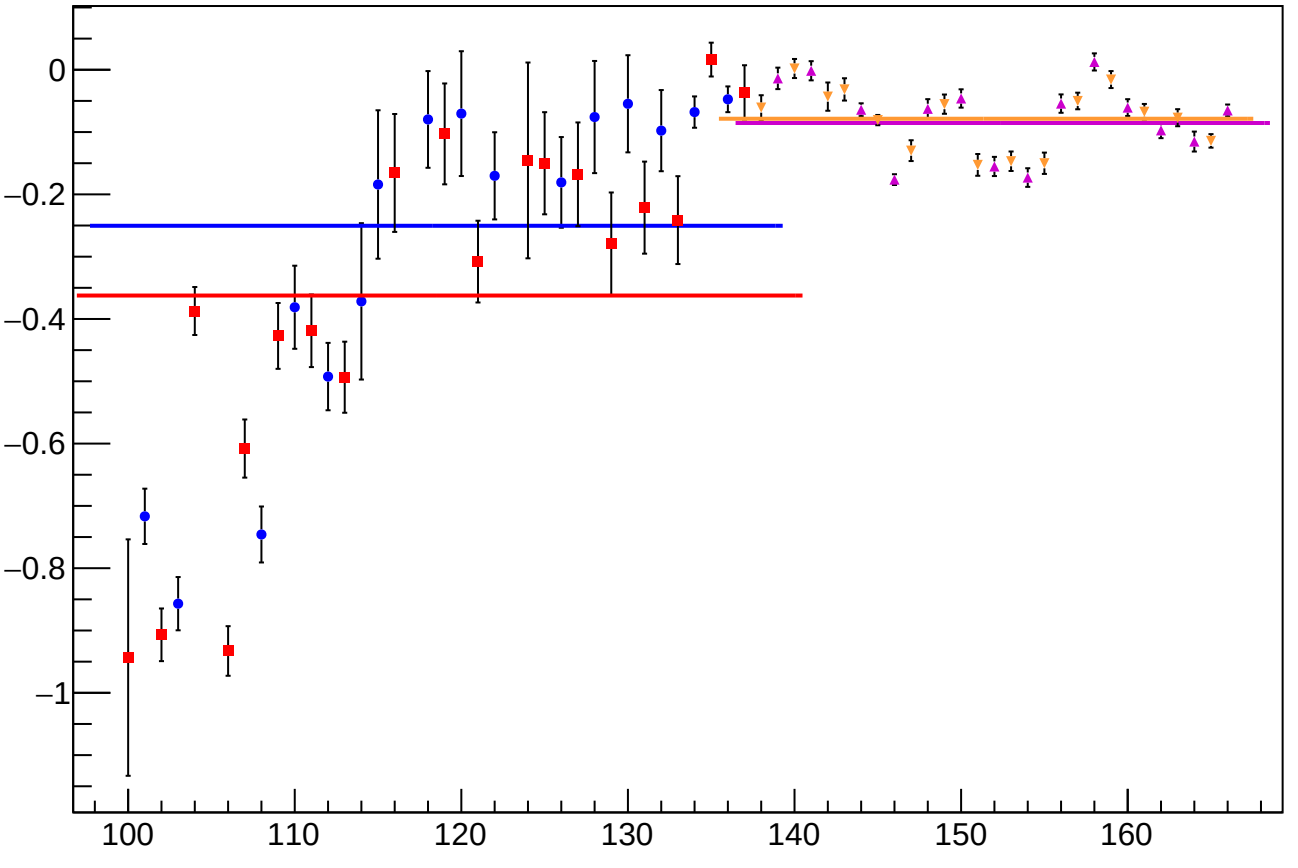
Left: 22.577+/-0.053 χ^2/NDF: 1522.1/28

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.827+/-0.069 χ^2/NDF:1712.1/29

Out: 22.265+/-0.074 χ^2/NDF:1368.0/33

All: 22.568+/-0.050 χ^2/NDF: 3111.1/63



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.079+/-0.004 χ^2/NDF:141.5/14

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.085+/-0.003 χ^2/NDF:293.5/13

Left: -0.082+/-0.002 χ^2/NDF: 436.9/28

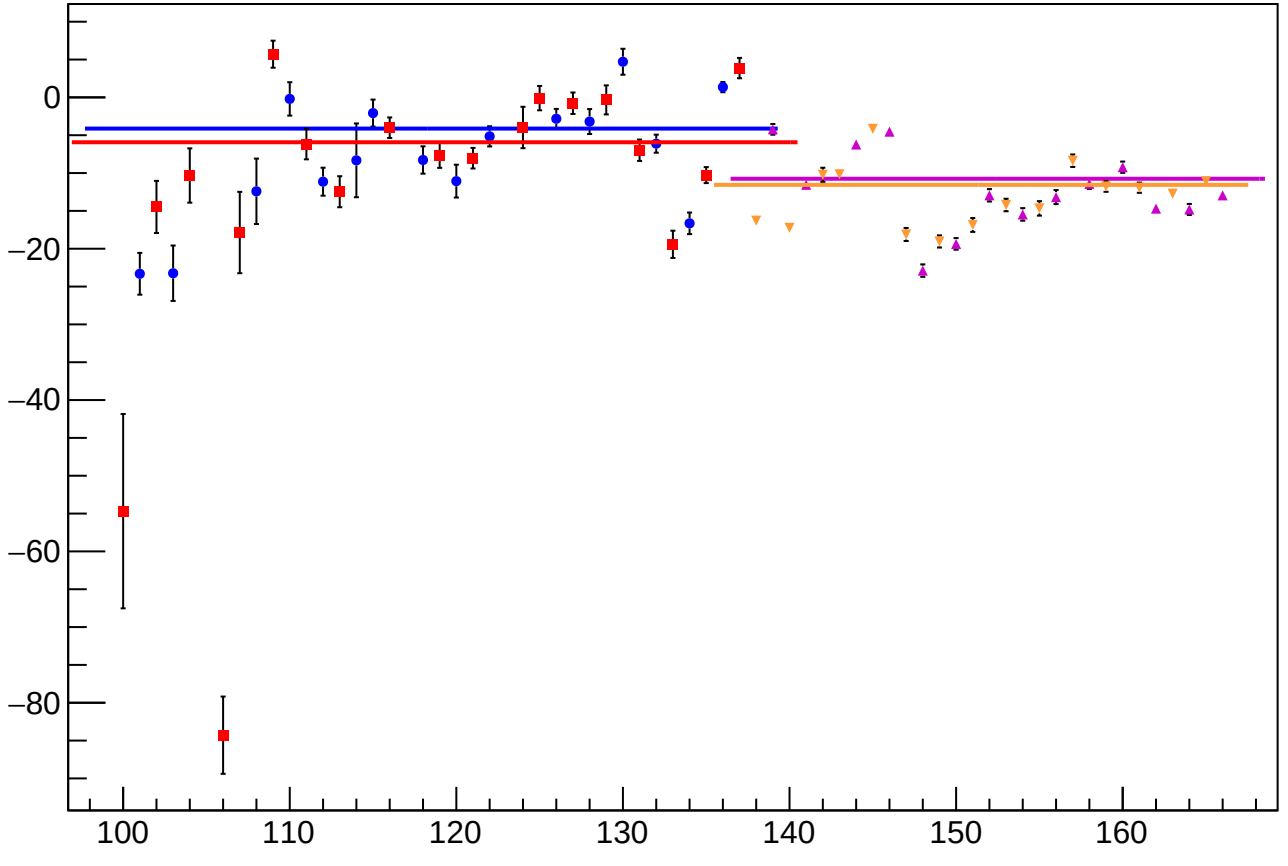
Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.099+/-0.003 χ^2/NDF:1111.2/29

Out: -0.101+/-0.003 χ^2/NDF:1332.1/33

All: -0.100+/-0.002 χ^2/NDF: 2443.6/63

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.563+/-0.168 χ^2/NDF:789.1/14

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.755+/-0.163 χ^2/NDF:931.3/13

Left: -11.145+/-0.117 χ^2/NDF: 1732.2/28

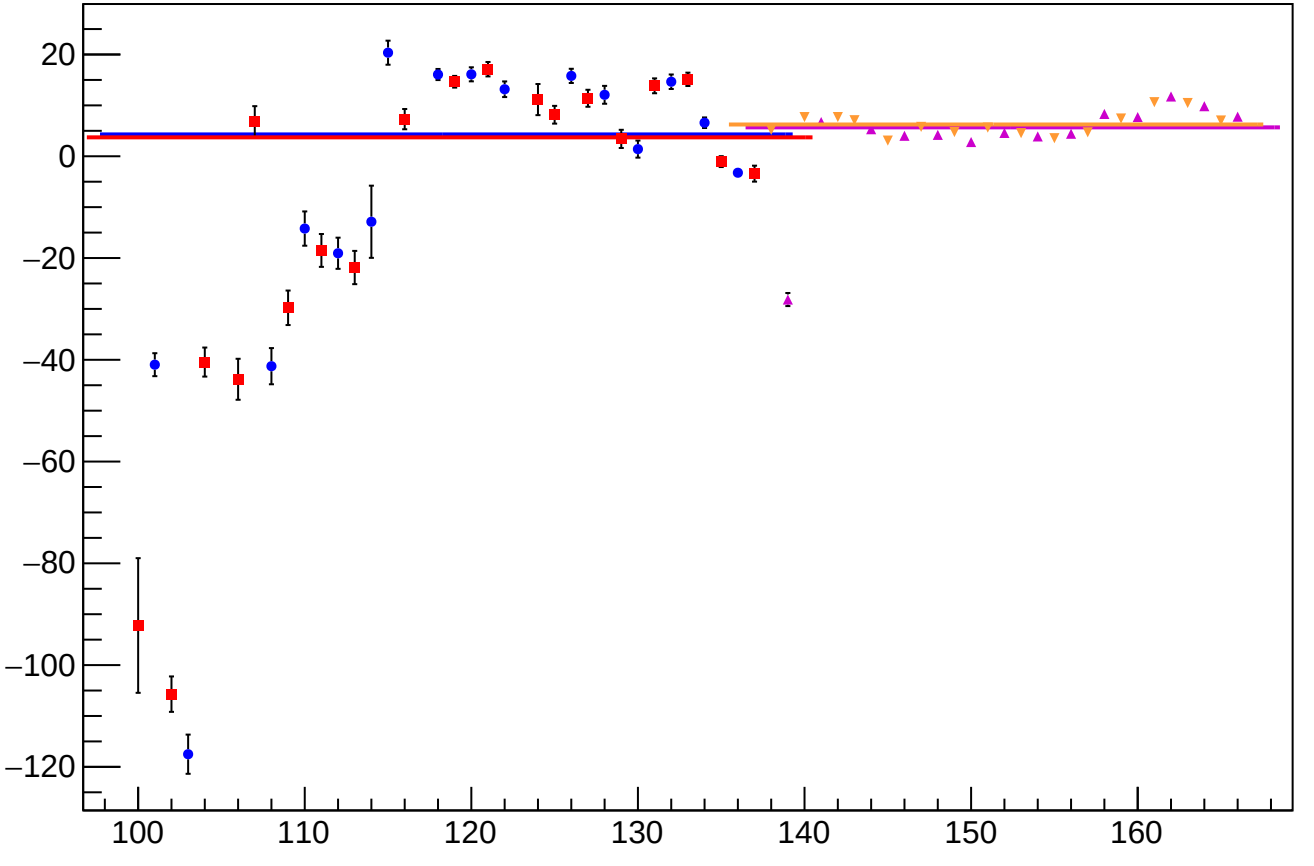
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.732+/-0.150 χ^2/NDF:1474.4/29

Out: -10.742+/-0.156 χ^2/NDF:1434.7/33

All: -10.218+/-0.108 χ^2/NDF: 2930.9/63

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.244+/-0.120 χ^2/NDF:365.8/14

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.679+/-0.115 χ^2/NDF:1121.8/13

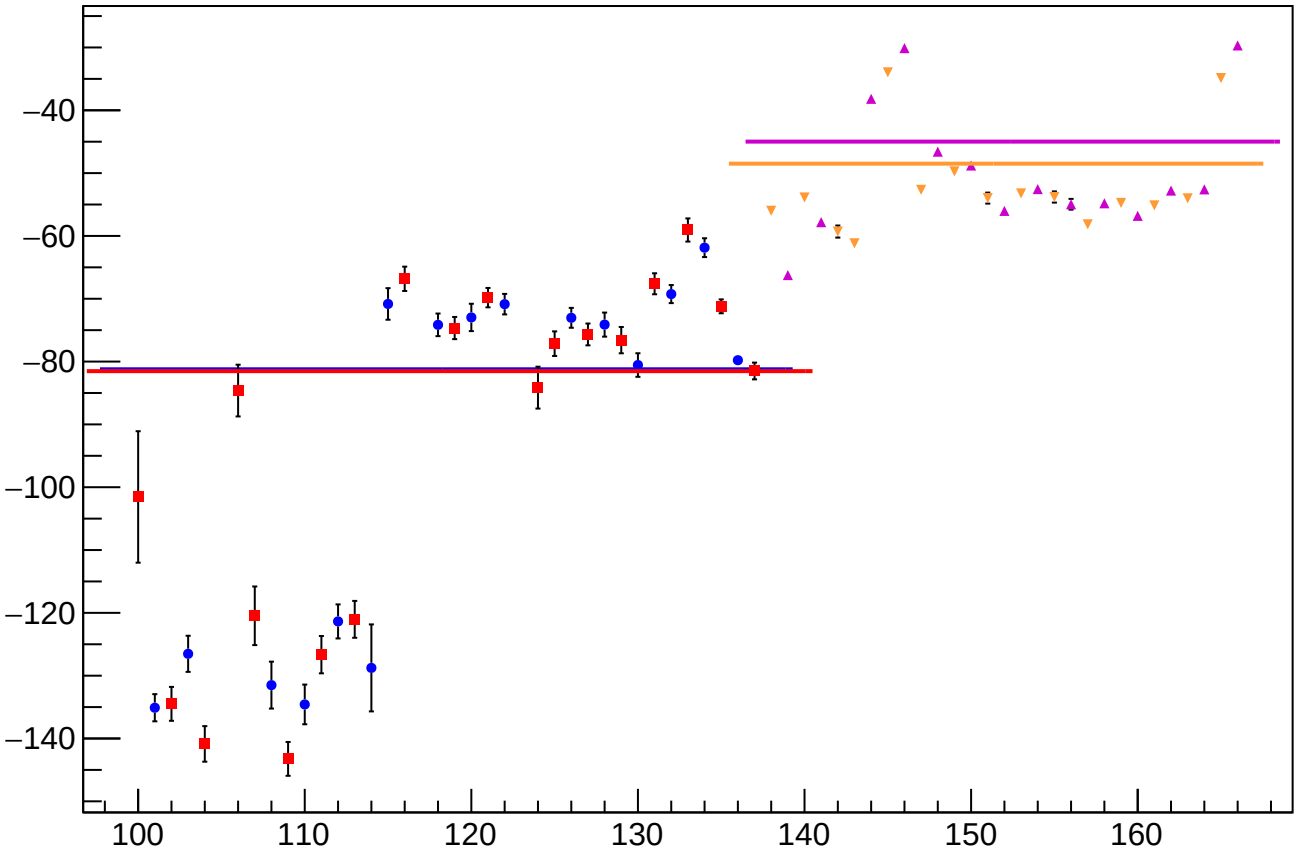
Left: 5.948+/-0.083 χ^2/NDF: 1499.2/28

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

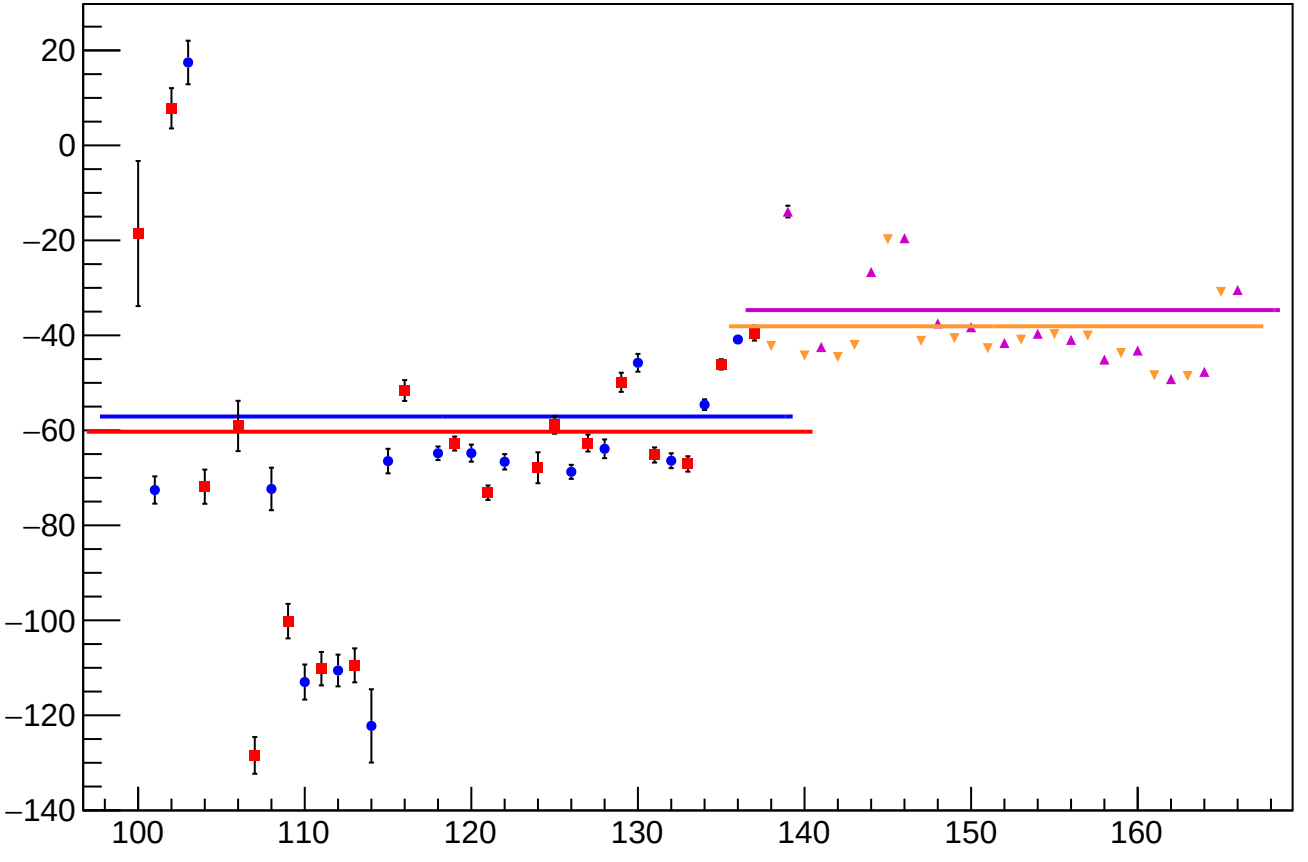
In: 5.567+/-0.110 χ^2/NDF:3302.8/29

Out: 6.055+/-0.115 χ^2/NDF:2406.1/33

All: 5.799+/-0.080 χ^2/NDF: 5718.3/63


reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -81.231+/-0.417 χ²/NDF: 1971.1/15
Left Out: -48.495+/-0.166 χ²/NDF:3546.5/14
Right Out: -81.523+/-0.462 χ²/NDF: 2293.2/18
Left In: -44.986+/-0.159 χ²/NDF:5435.9/13
Left: -46.669+/-0.115 χ²/NDF: 9214.8/28
Right: -81.362+/-0.309 χ²/NDF: 4264.5/34
In: -49.612+/-0.149 χ²/NDF:14002.9/29
Out: -52.279+/-0.156 χ²/NDF:10372.7/33
All: -50.882+/-0.108 χ²/NDF: 24528.2/63

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -38.088+/-0.138 χ^2/NDF:4688.5/14

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -34.681+/-0.133 χ^2/NDF:5938.2/13

Left: -36.316+/-0.096 χ^2/NDF: 10943.9/28

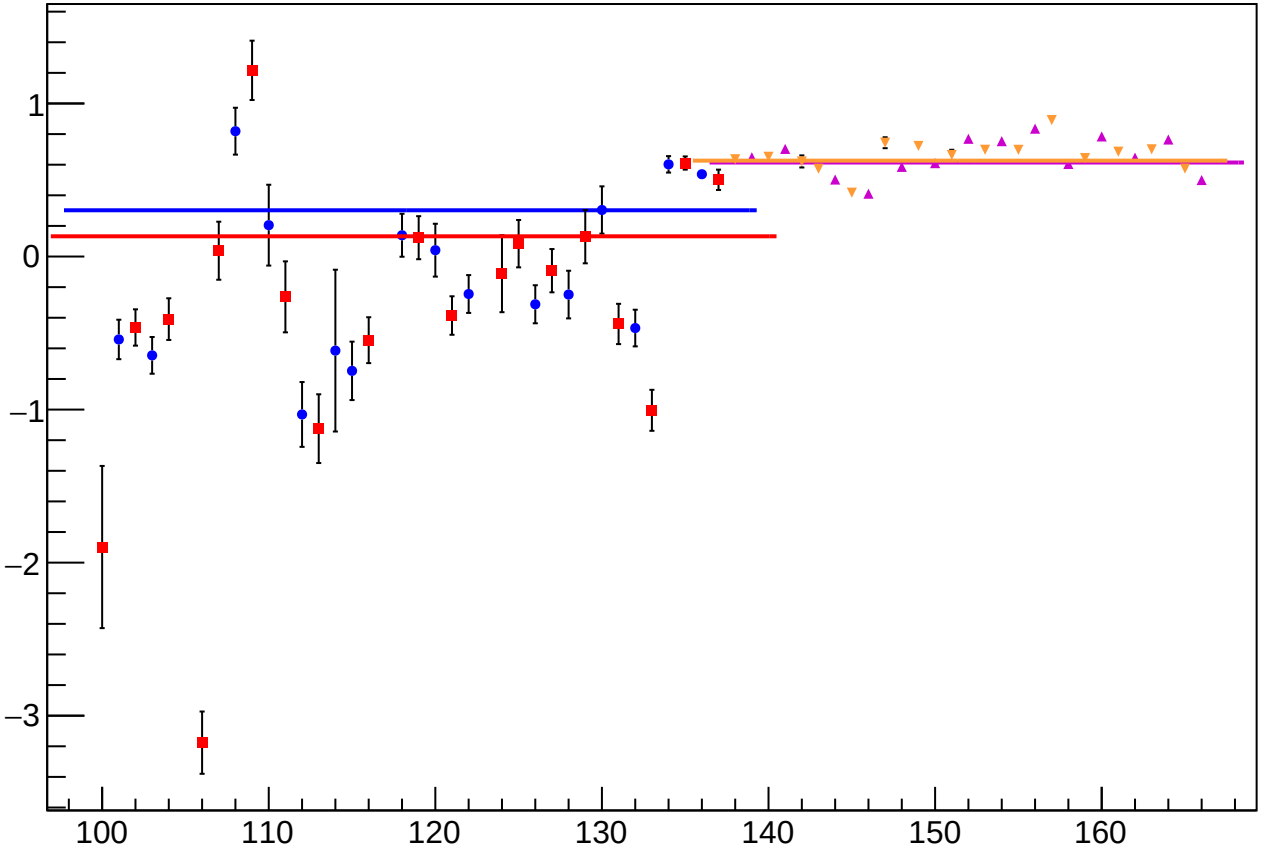
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -36.660+/-0.127 χ^2/NDF:9990.6/29

Out: -39.849+/-0.132 χ^2/NDF:8330.0/33

All: -38.182+/-0.091 χ^2/NDF: 18624.0/63

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.627+/-0.006 χ^2/NDF:373.3/14

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.614+/-0.006 χ^2/NDF:439.3/13

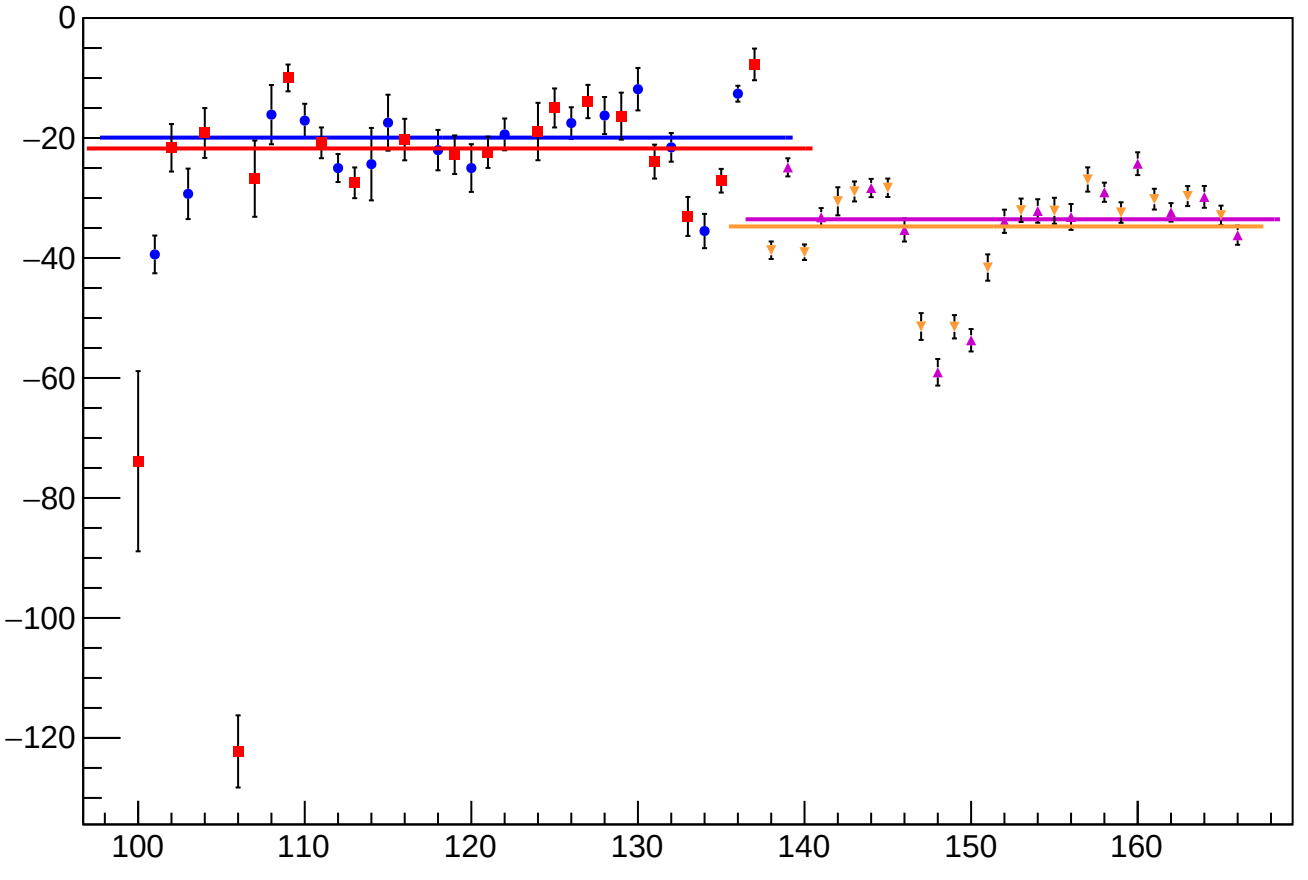
Left: 0.620+/-0.004 χ^2/NDF: 814.6/28

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.593+/-0.006 χ^2/NDF:986.5/29

Out: 0.600+/-0.006 χ^2/NDF:1375.1/33

All: 0.596+/-0.004 χ^2/NDF: 2362.2/63



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.741+/-0.454 χ^2/NDF:228.8/14

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.547+/-0.467 χ^2/NDF:334.8/13

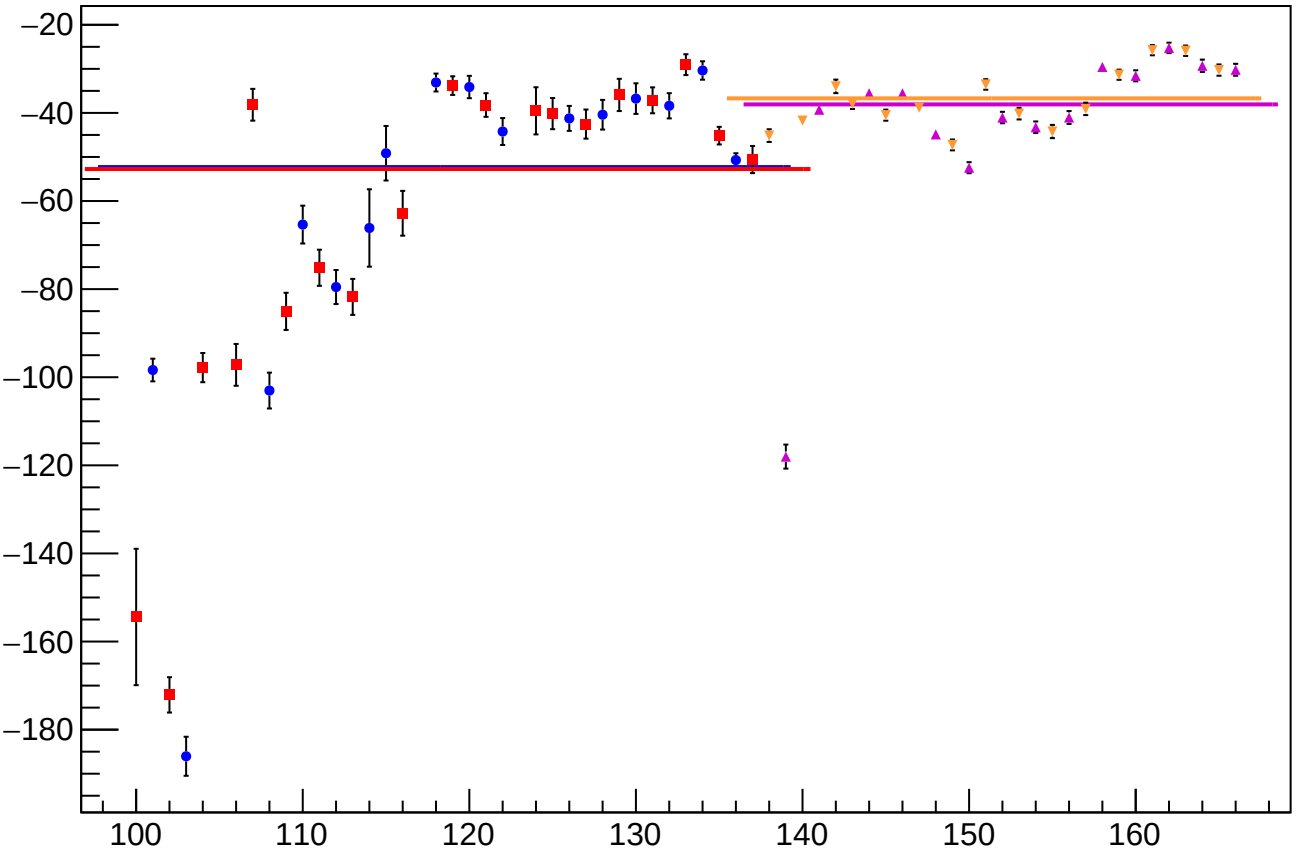
Left: -34.160+/-0.326 χ^2/NDF: 567.0/28

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.311+/-0.388 χ^2/NDF:719.8/29

Out: -30.994+/-0.383 χ^2/NDF:853.1/33

All: -30.162+/-0.273 χ^2/NDF: 1582.4/63



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.696+/-0.321 χ^2/NDF:406.8/14

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -38.068+/-0.335 χ^2/NDF:1348.1/13

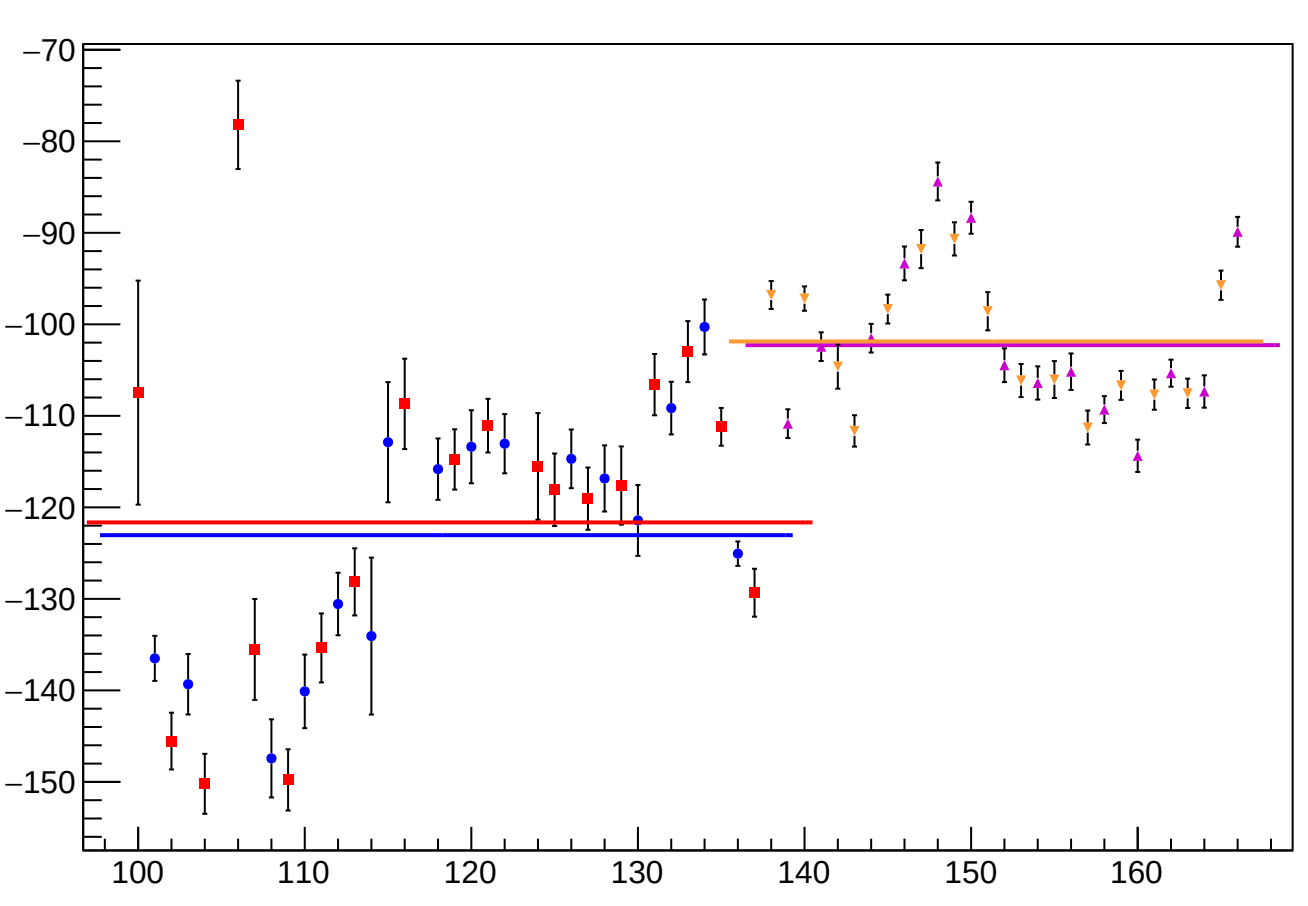
Left: -37.354+/-0.232 χ^2/NDF: 1763.6/28

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -40.665+/-0.303 χ^2/NDF:3456.4/29

Out: -39.192+/-0.295 χ^2/NDF:2457.4/33

All: -39.910+/-0.211 χ^2/NDF: 5925.9/63



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.870+/-0.445 χ^2/NDF:210.7/14

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.274+/-0.454 χ^2/NDF:340.2/13

Left: -102.068+/-0.318 χ^2/NDF: 551.3/28

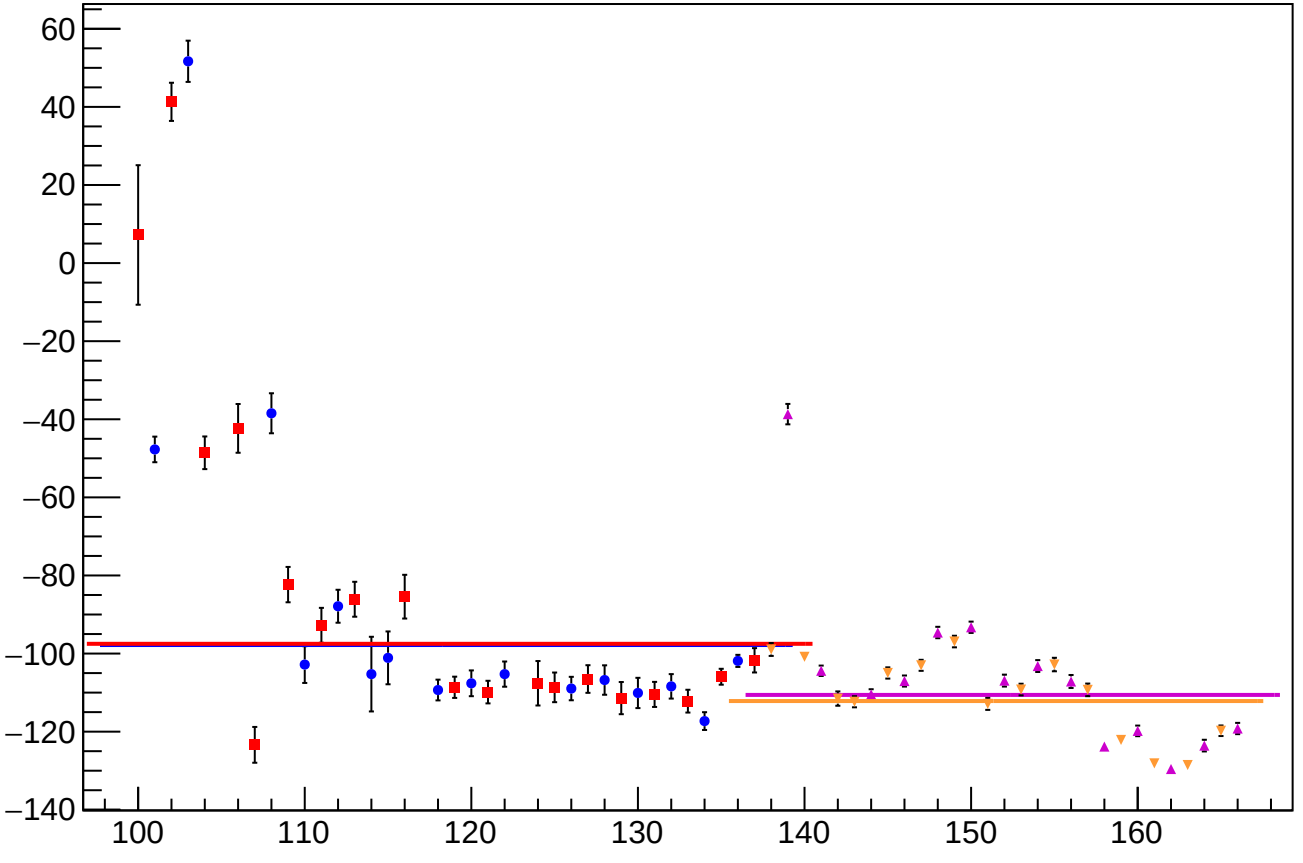
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -107.837+/-0.388 χ^2/NDF:1128.2/29

Out: -106.528+/-0.389 χ^2/NDF:1101.0/33

All: -107.184+/-0.275 χ^2/NDF: 2234.9/63

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.162+/-0.370 χ^2/NDF:786.9/14

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.591+/-0.382 χ^2/NDF:1610.3/13

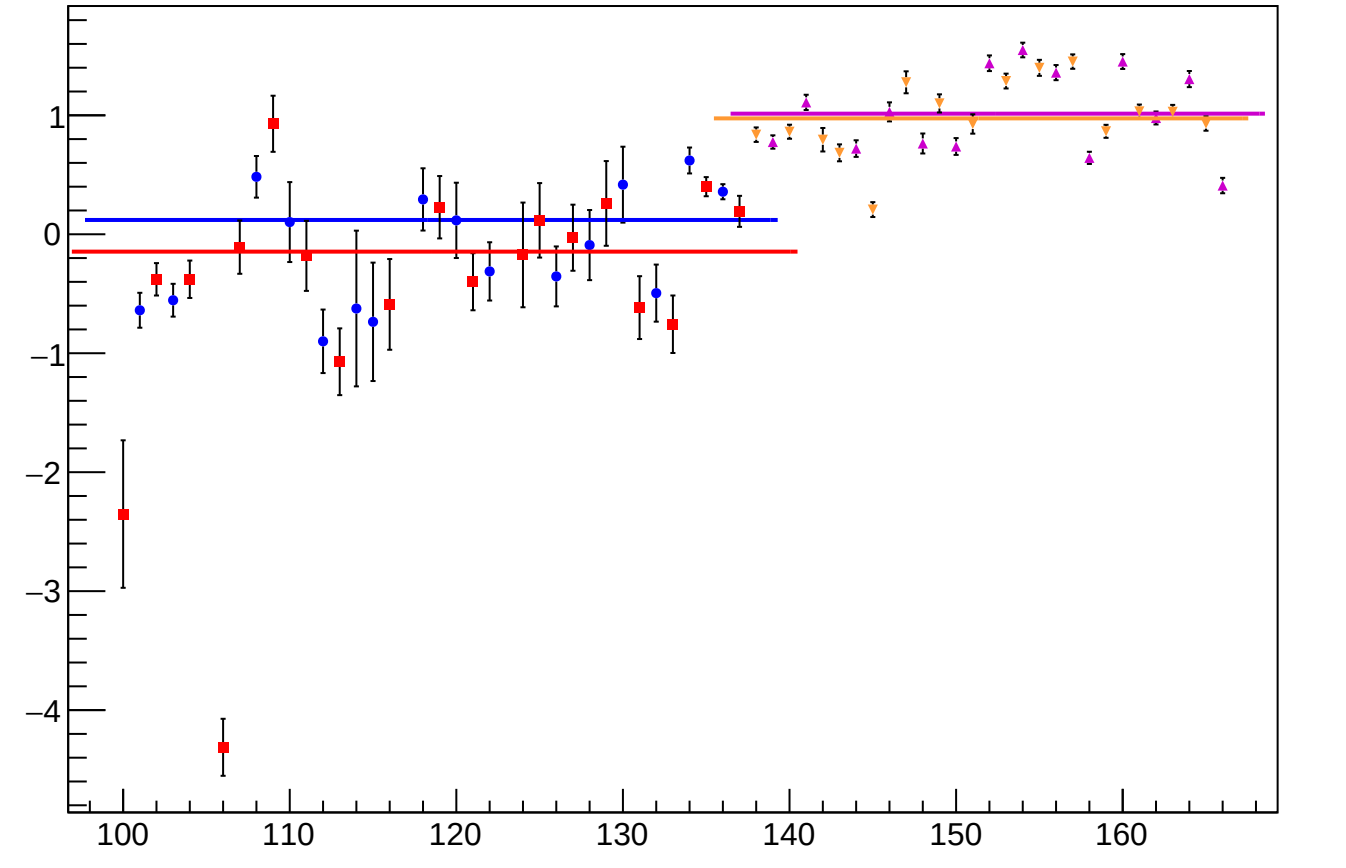
Left: -111.401+/-0.266 χ^2/NDF: 2405.9/28

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -108.184+/-0.344 χ^2/NDF:3151.8/29

Out: -109.790+/-0.339 χ^2/NDF:2277.0/33

All: -109.000+/-0.242 χ^2/NDF: 5439.8/63



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.974+/-0.017 χ^2/NDF:325.9/14

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.014+/-0.017 χ^2/NDF:415.9/13

Left: 0.994+/-0.012 χ^2/NDF: 744.6/28

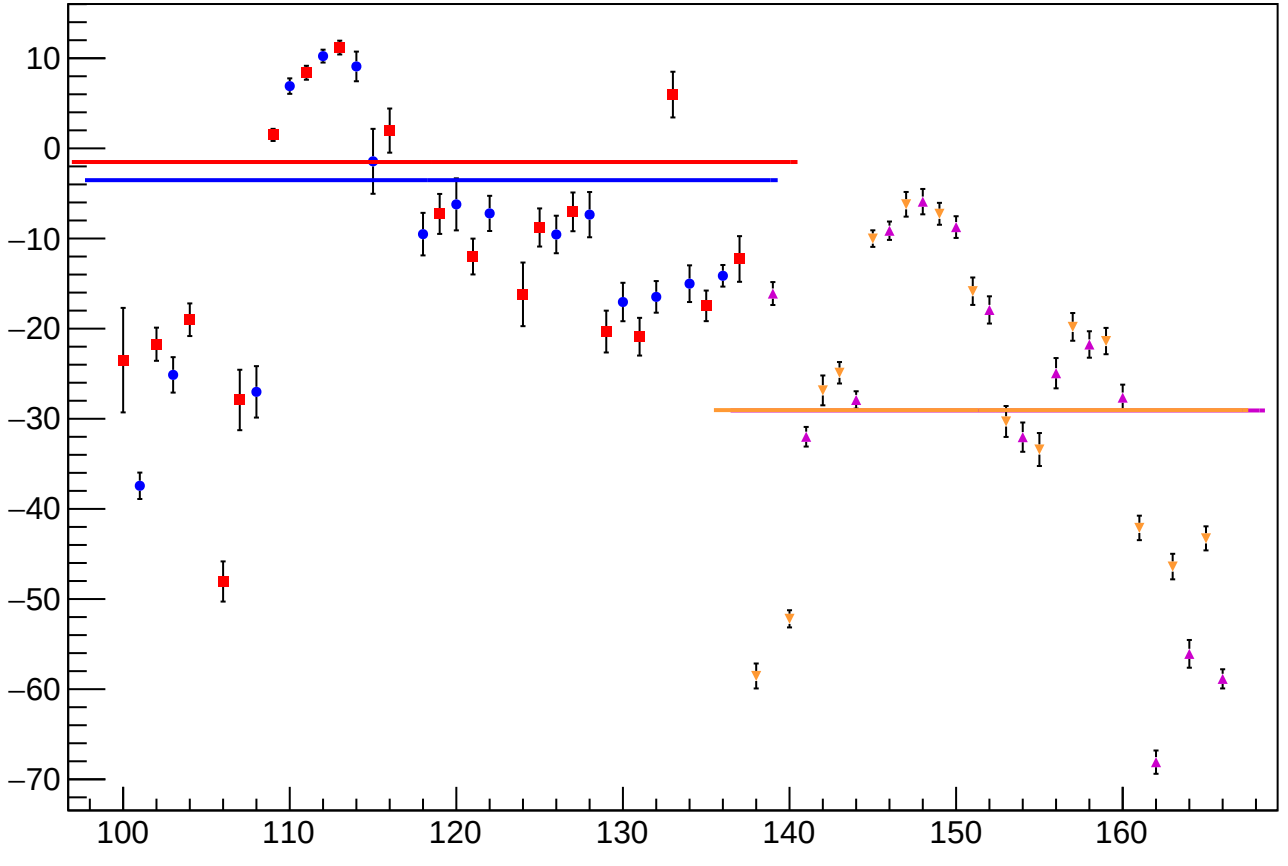
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.883+/-0.016 χ^2/NDF:941.1/29

Out: 0.835+/-0.016 χ^2/NDF:1292.5/33

All: 0.859+/-0.011 χ^2/NDF: 2238.2/63

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.039+/-0.340 χ^2/NDF:2585.9/14

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -29.079+/-0.339 χ^2/NDF:3144.8/13

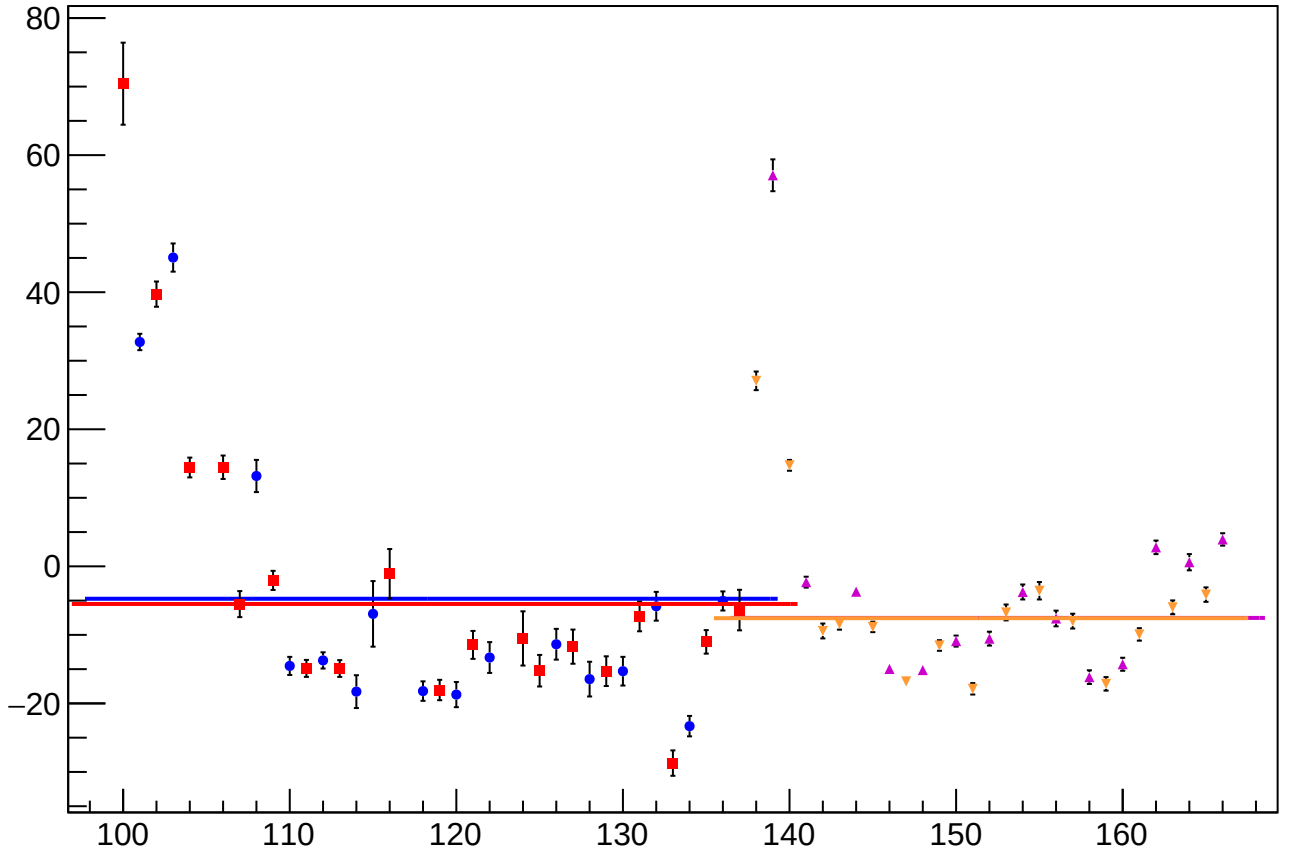
Left: -29.059+/-0.240 χ^2/NDF: 5730.7/28

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -17.659+/-0.252 χ^2/NDF:7217.7/29

Out: -15.211+/-0.240 χ^2/NDF:7402.1/33

All: -16.375+/-0.174 χ^2/NDF: 14669.3/63



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.564+/-0.236 χ^2/NDF:1967.2/14

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -7.524+/-0.237 χ^2/NDF:1600.4/13

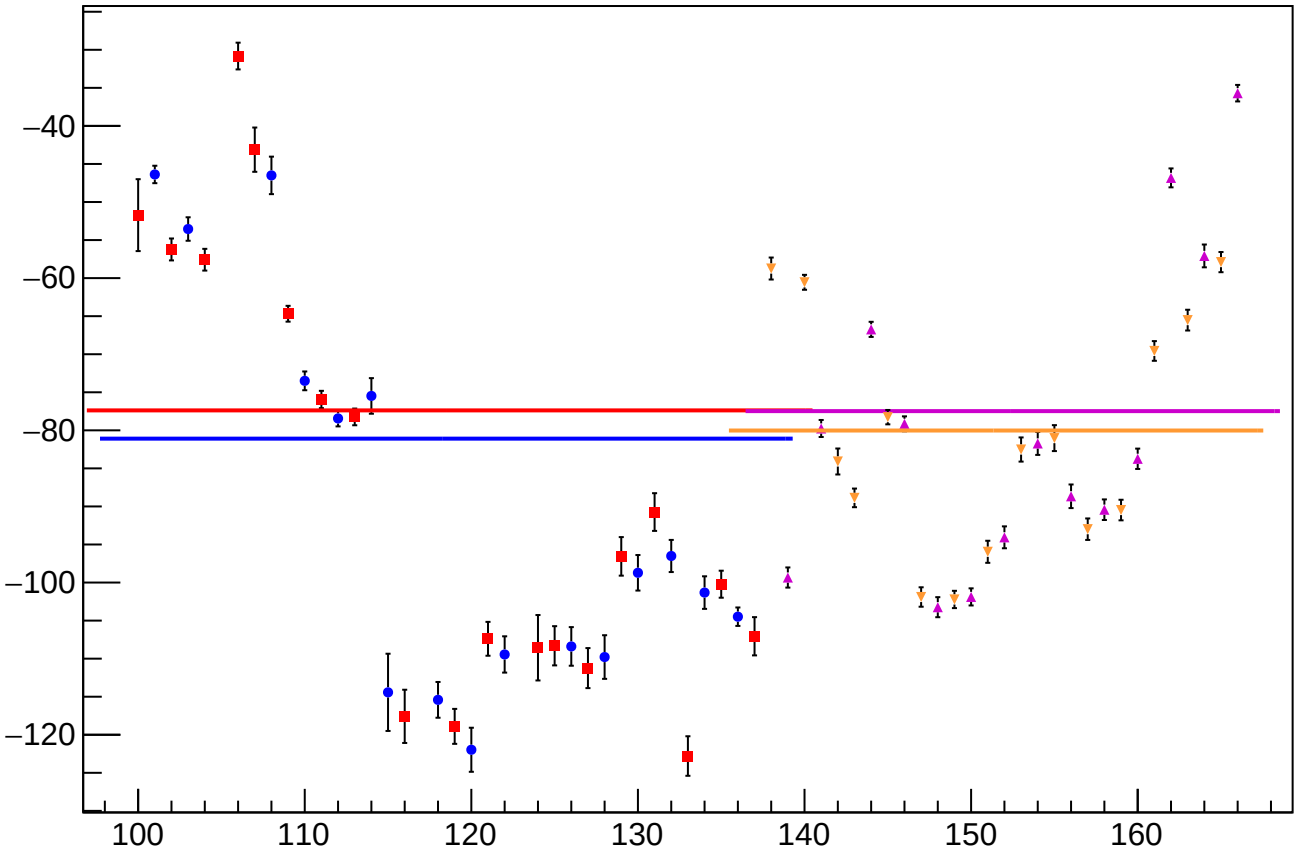
Left: -7.544+/-0.167 χ^2/NDF: 3567.7/28

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.875+/-0.208 χ^2/NDF:3780.7/29

Out: -7.070+/-0.206 χ^2/NDF:3494.2/33

All: -6.974+/-0.146 χ^2/NDF: 7275.4/63



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -80.024+/-0.333 χ^2/NDF:2072.3/14

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -77.475+/-0.330 χ^2/NDF:3832.2/13

Left: -78.738+/-0.234 χ^2/NDF: 5934.1/28

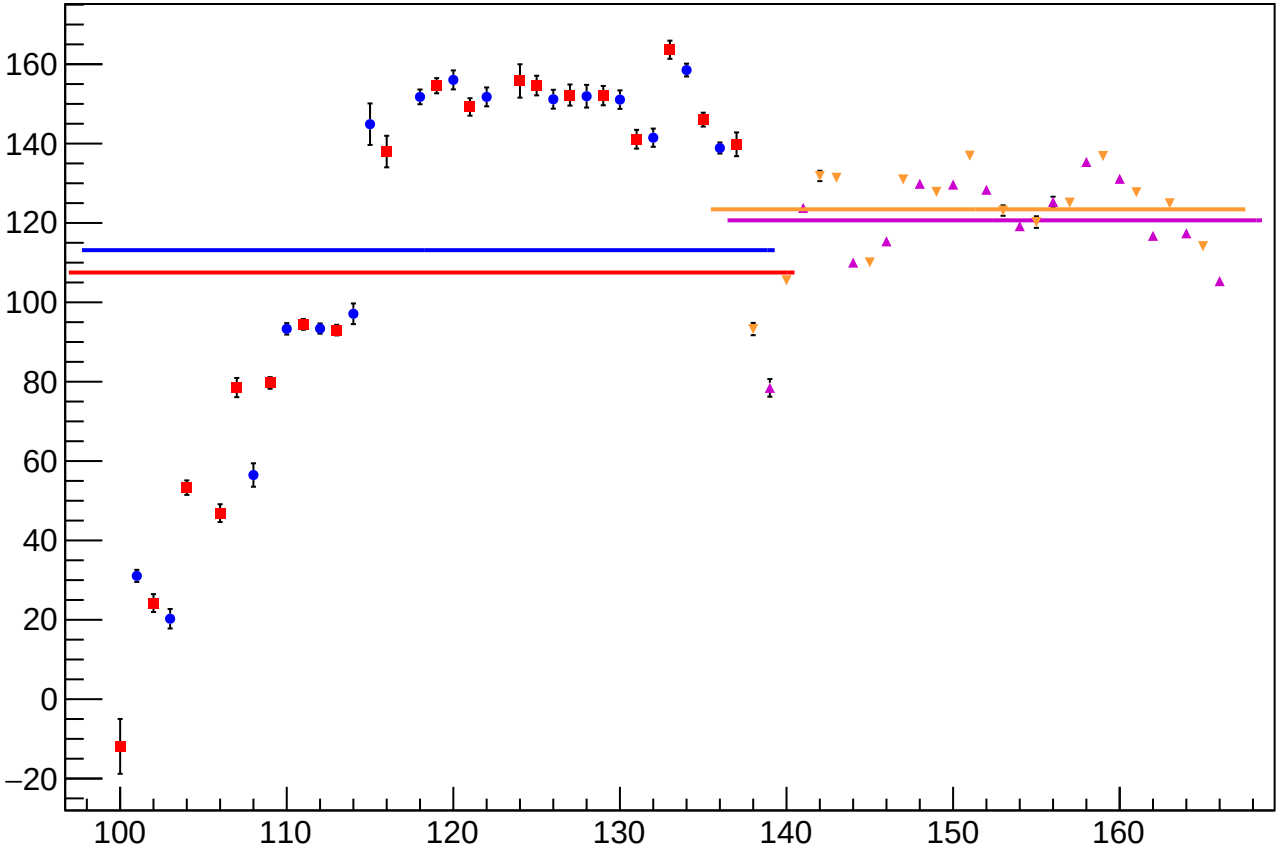
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -78.784+/-0.264 χ^2/NDF:6746.0/29

Out: -78.993+/-0.260 χ^2/NDF:5226.5/33

All: -78.890+/-0.185 χ^2/NDF: 11972.8/63

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 123.436+/-0.276 χ^2/NDF:1591.0/14

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.657+/-0.275 χ^2/NDF:1399.3/13

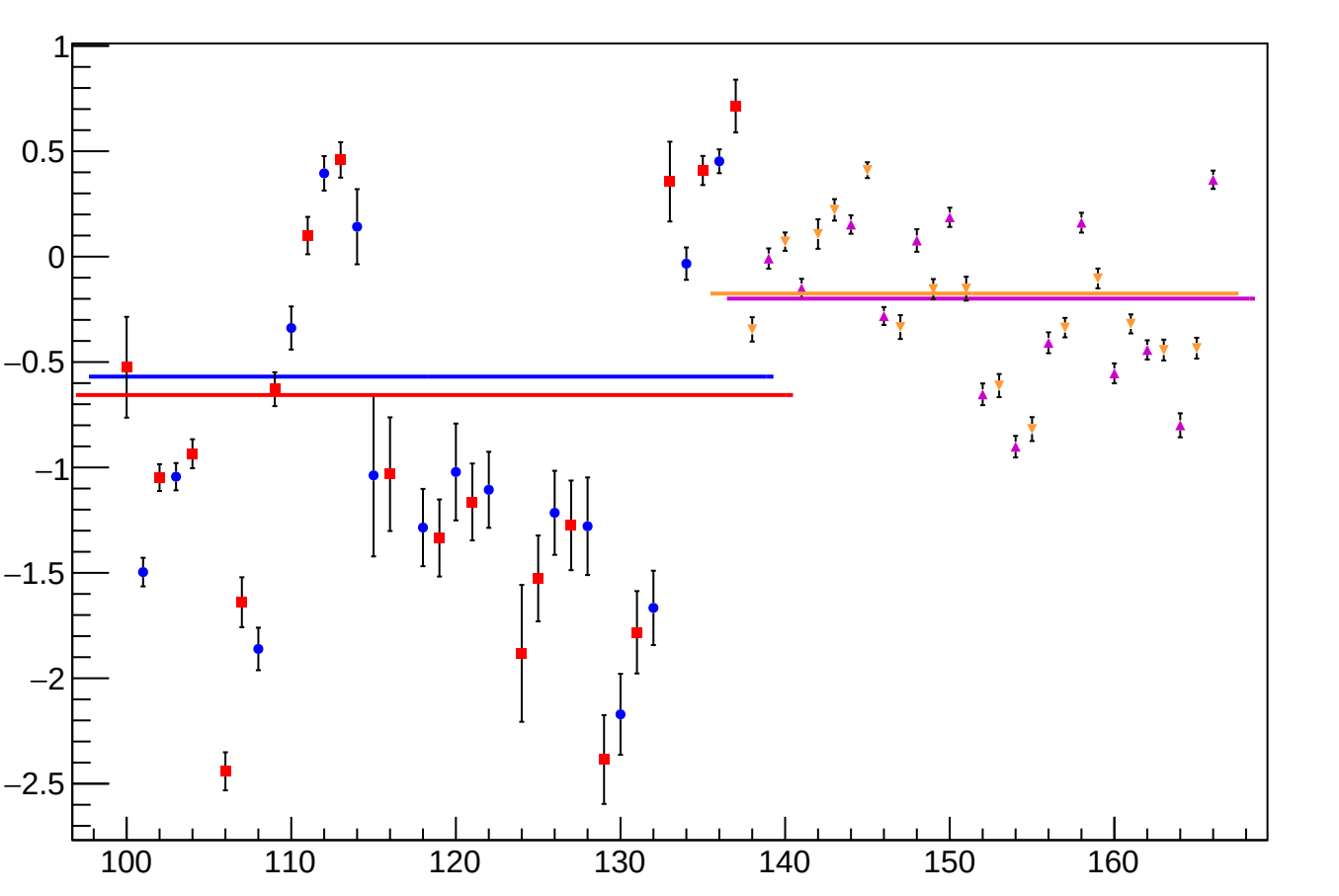
Left: 122.043+/-0.195 χ^2/NDF: 3041.2/28

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

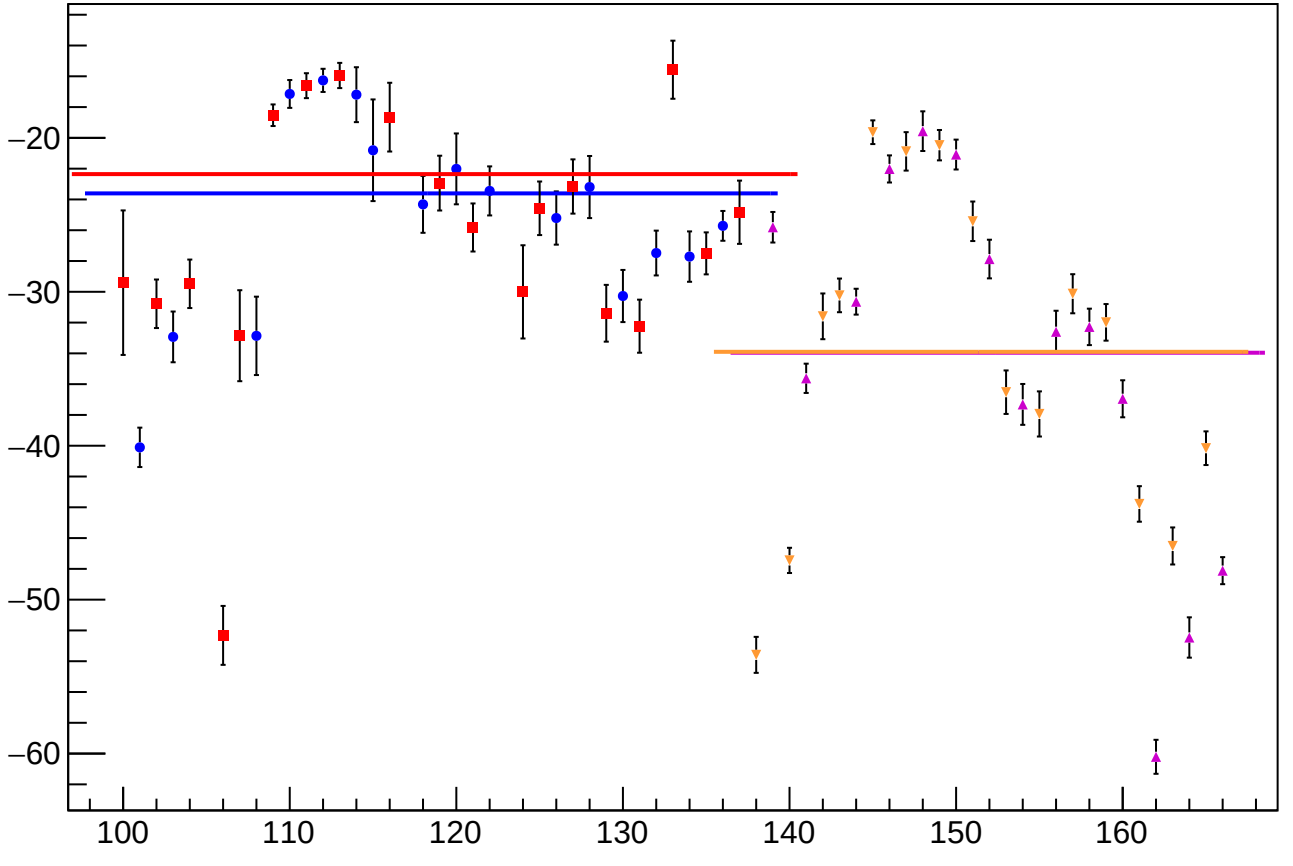
In: 118.849+/-0.240 χ^2/NDF:9782.7/29

Out: 119.475+/-0.239 χ^2/NDF:9963.7/33

All: 119.163+/-0.169 χ^2/NDF: 19749.8/63


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -0.569+/-0.026 χ²/NDF: 1097.4/15
Left Out: -0.175+/-0.013 χ²/NDF:644.8/14
Right Out: -0.656+/-0.025 χ²/NDF: 1315.2/18
Left In: -0.199+/-0.013 χ²/NDF:890.3/13
Left: -0.187+/-0.009 χ²/NDF: 1537.0/28
Right: -0.614+/-0.018 χ²/NDF: 2418.5/34
In: -0.271+/-0.011 χ²/NDF:2153.4/29
Out: -0.274+/-0.011 χ²/NDF:2249.6/33
All: -0.273+/-0.008 χ²/NDF: 4403.1/63

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.899+/-0.288 χ^2/NDF:1489.4/14

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -33.959+/-0.285 χ^2/NDF:1634.0/13

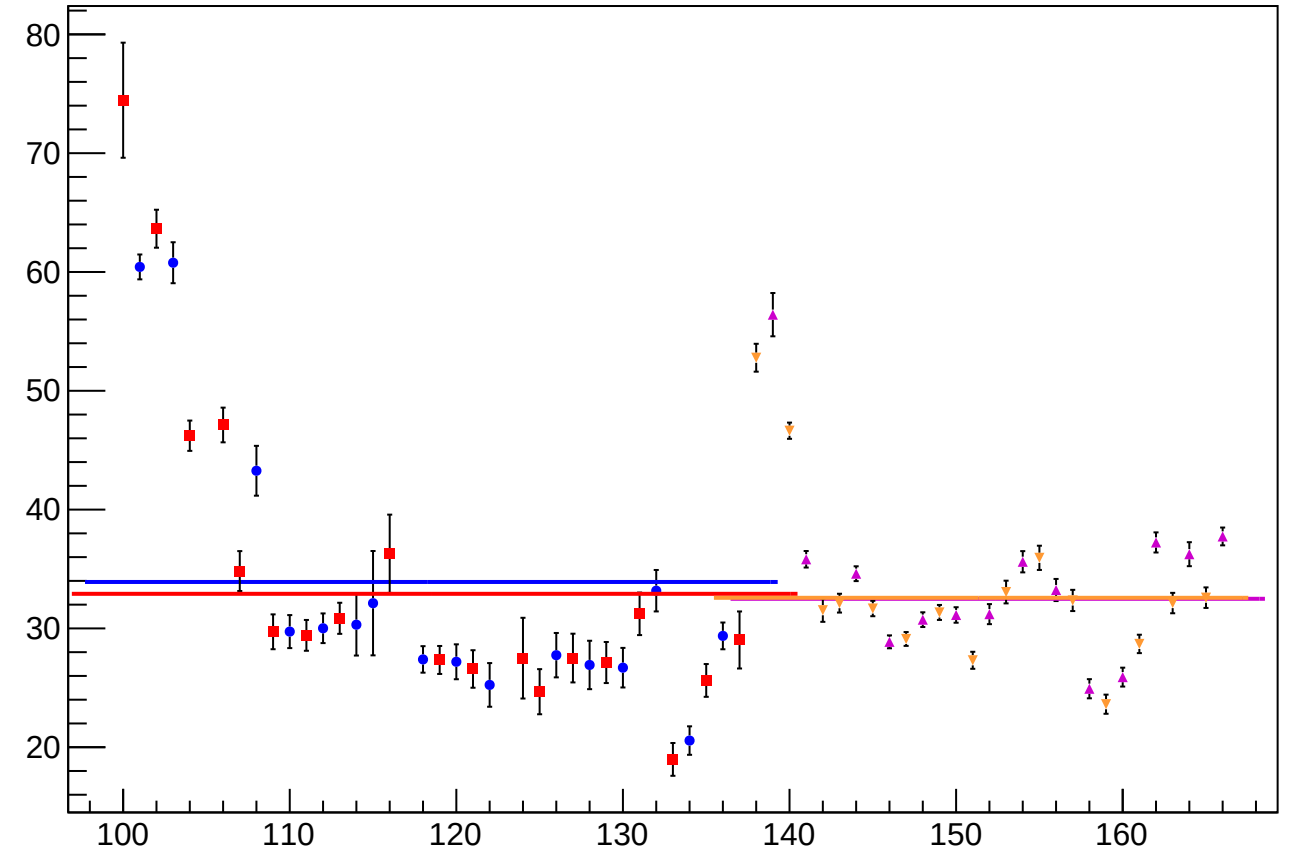
Left: -33.929+/-0.203 χ^2/NDF: 3123.4/28

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -29.811+/-0.220 χ^2/NDF:2569.8/29

Out: -28.760+/-0.215 χ^2/NDF:2755.5/33

All: -29.272+/-0.154 χ^2/NDF: 5337.0/63



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.202 χ^2/NDF:978.5/14

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.493+/-0.203 χ^2/NDF:529.7/13

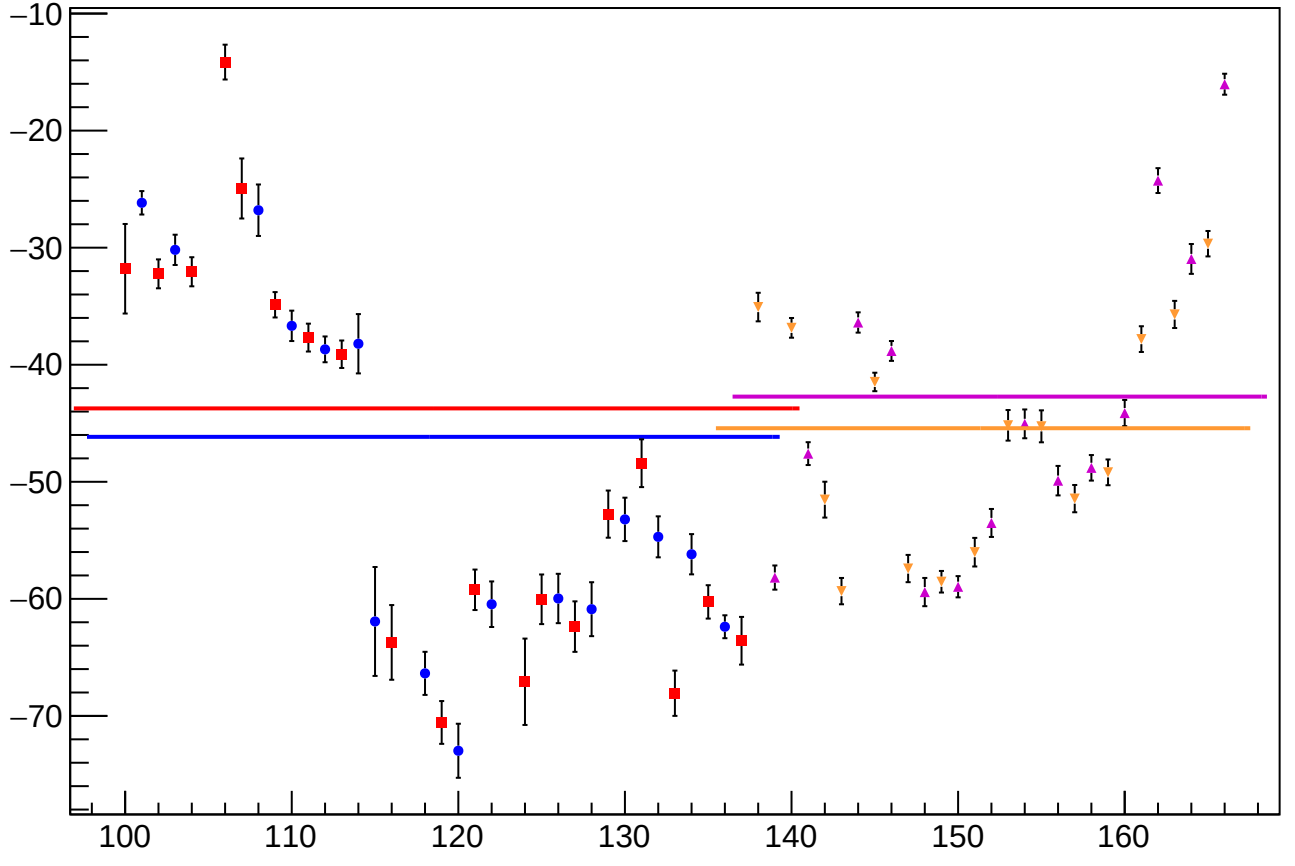
Left: 32.535+/-0.143 χ^2/NDF: 1508.2/28

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.813+/-0.178 χ^2/NDF:1725.1/29

Out: 32.652+/-0.178 χ^2/NDF:1854.0/33

All: 32.732+/-0.126 χ^2/NDF: 3579.6/63



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -45.424+/-0.282 χ^2/NDF:1119.8/14

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -42.723+/-0.277 χ^2/NDF:2260.3/13

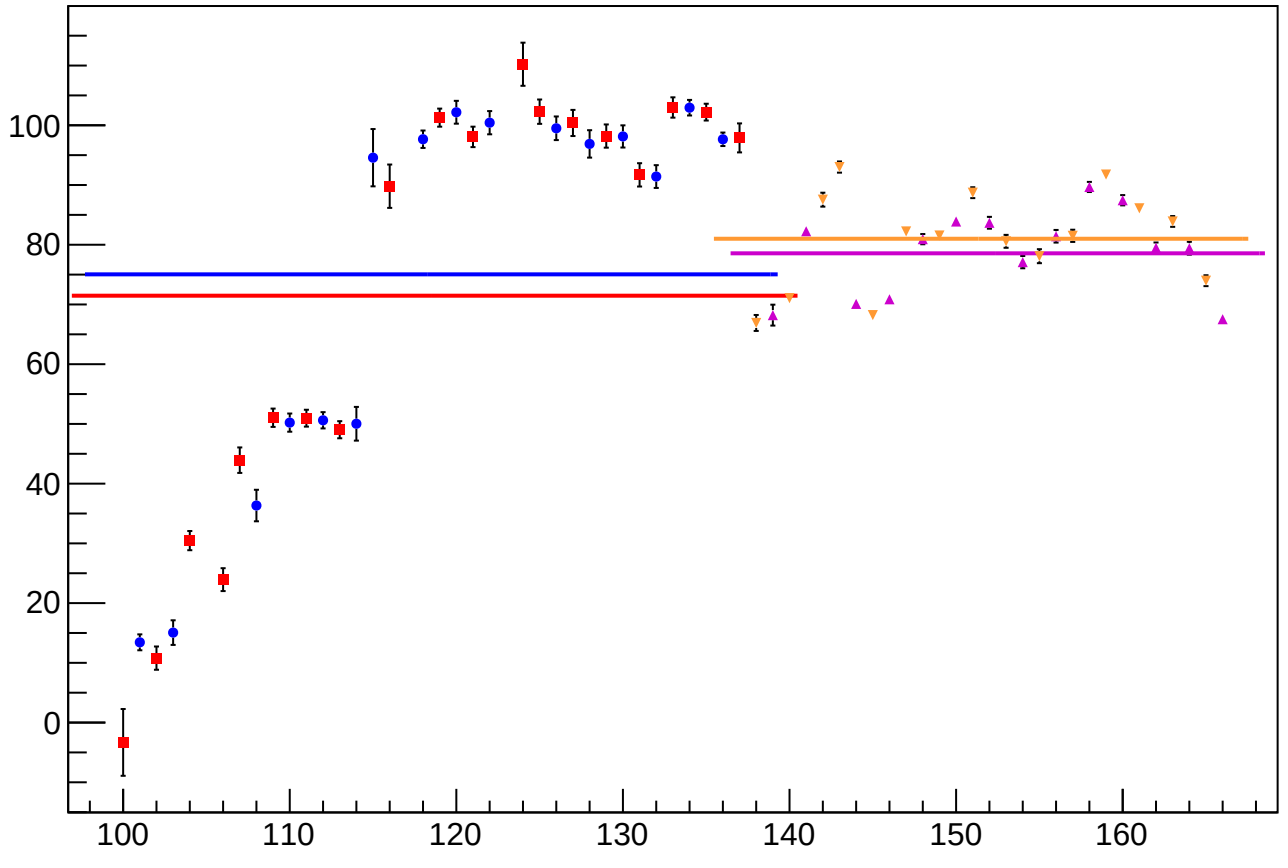
Left: -44.052+/-0.198 χ^2/NDF: 3426.8/28

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -43.879+/-0.226 χ^2/NDF:3801.6/29

Out: -44.819+/-0.226 χ^2/NDF:2796.0/33

All: -44.349+/-0.160 χ^2/NDF: 6606.3/63



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.003+/-0.235 χ^2/NDF:1106.6/14

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 78.564+/-0.234 χ^2/NDF:886.2/13

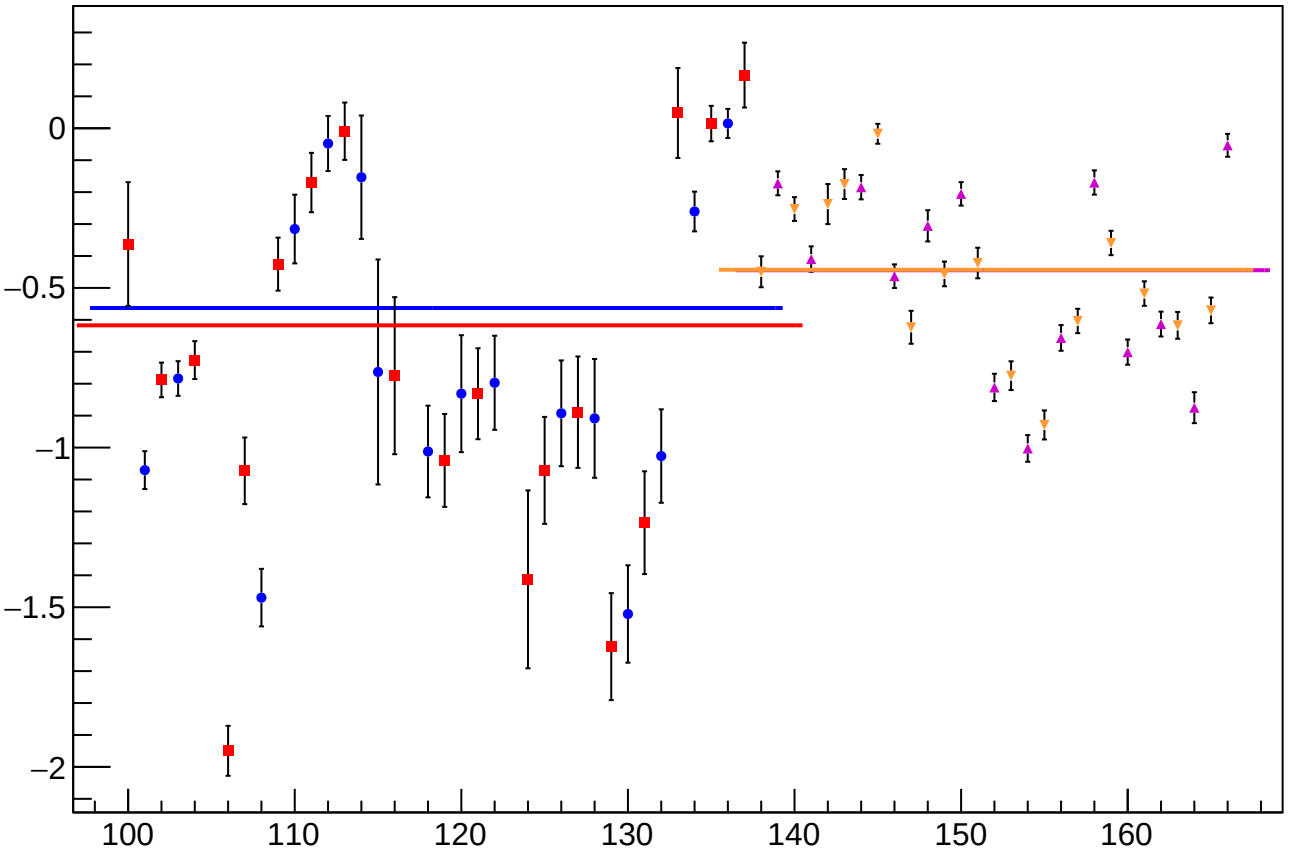
Left: 79.777+/-0.166 χ^2/NDF: 2047.0/28

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 77.754+/-0.205 χ^2/NDF:6766.7/29

Out: 78.779+/-0.206 χ^2/NDF:7119.5/33

All: 78.265+/-0.145 χ^2/NDF: 13898.7/63



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.443+/-0.011 χ^2/NDF:490.7/14

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.445+/-0.011 χ^2/NDF:742.0/13

Left: -0.444+/-0.008 χ^2/NDF: 1232.7/28

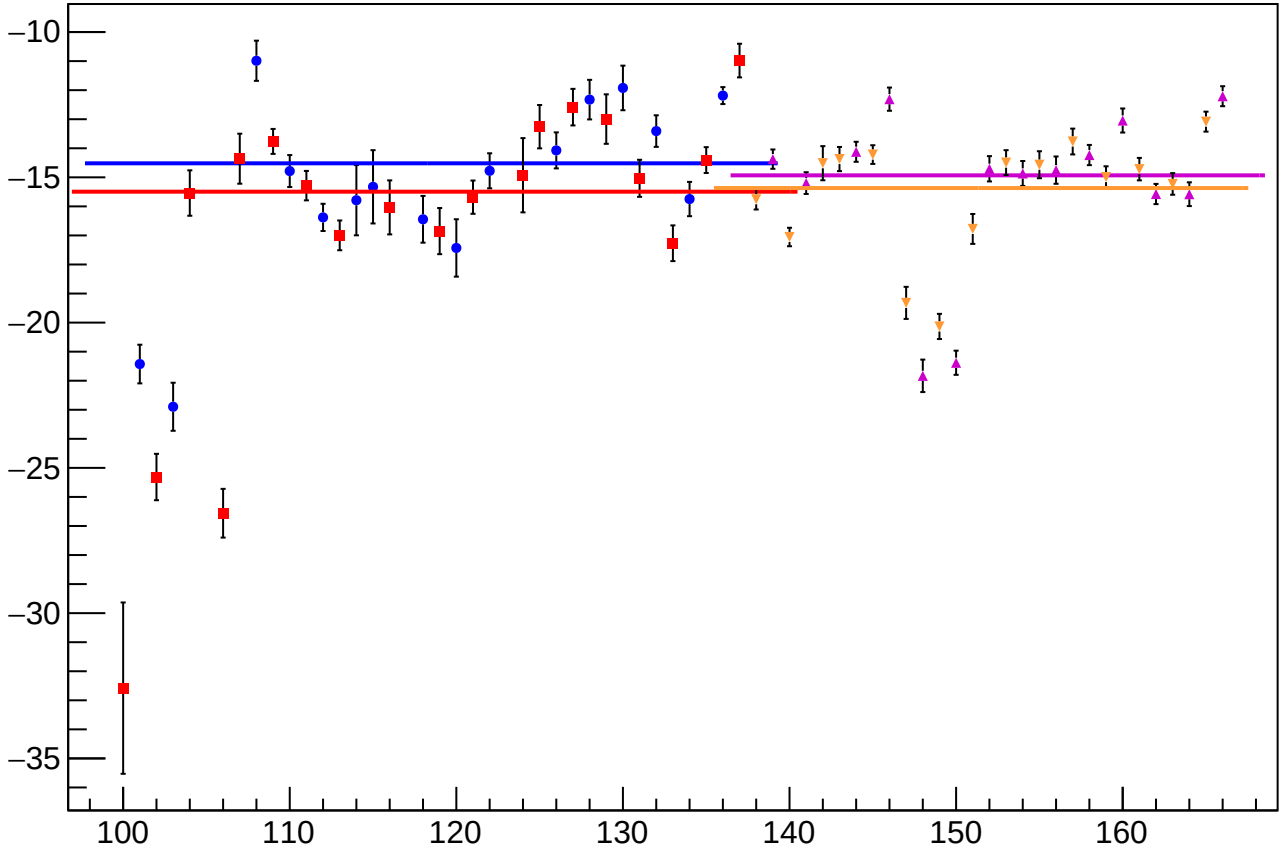
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.467+/-0.010 χ^2/NDF:1258.0/29

Out: -0.476+/-0.010 χ^2/NDF:1230.5/33

All: -0.471+/-0.007 χ^2/NDF: 2489.1/63

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.369+/-0.103 χ^2/NDF:298.0/14

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.932+/-0.104 χ^2/NDF:538.9/13

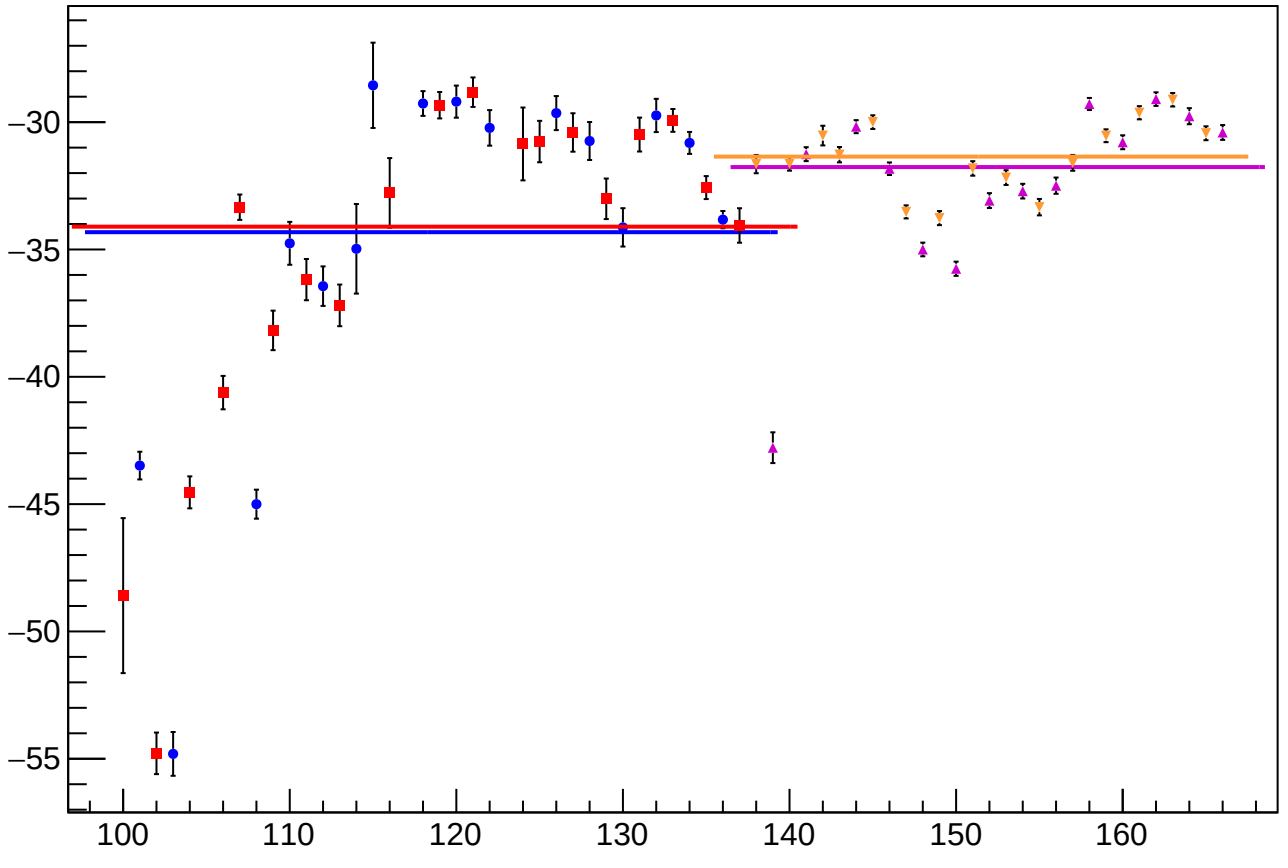
Left: -15.152+/-0.073 χ^2/NDF: 845.7/28

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.796+/-0.086 χ^2/NDF:907.4/29

Out: -15.409+/-0.085 χ^2/NDF:802.3/33

All: -15.104+/-0.060 χ^2/NDF: 1735.5/63



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.353+/-0.074 χ^2/NDF:365.2/14

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.763+/-0.076 χ^2/NDF:1043.0/13

Left: -31.553+/-0.053 χ^2/NDF: 1423.3/28

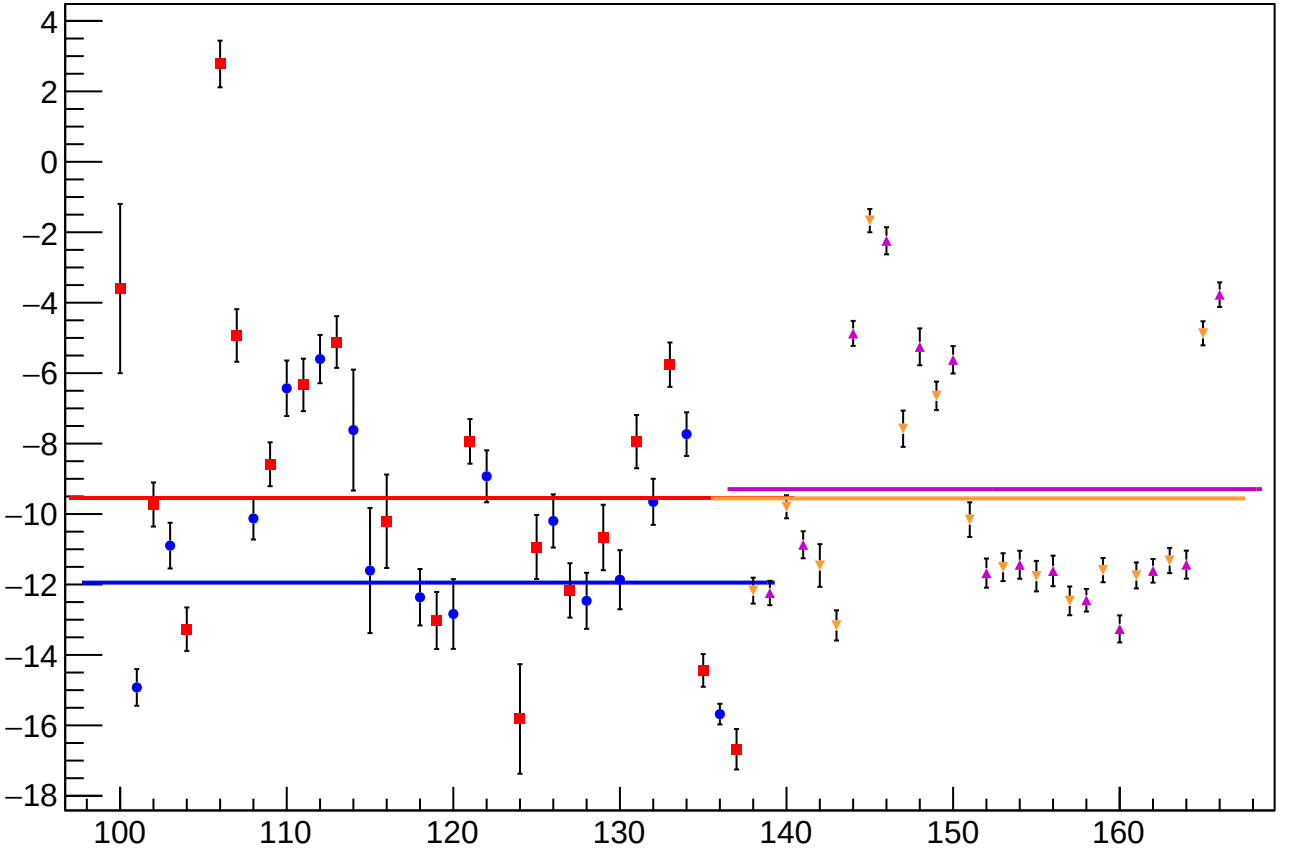
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.264+/-0.068 χ^2/NDF:2887.5/29

Out: -31.865+/-0.066 χ^2/NDF:2059.2/33

All: -32.061+/-0.047 χ^2/NDF: 4964.3/63

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.556+/-0.101 χ^2/NDF:1155.2/14

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.292+/-0.101 χ^2/NDF:1350.1/13

Left: -9.424+/-0.072 χ^2/NDF: 2508.7/28

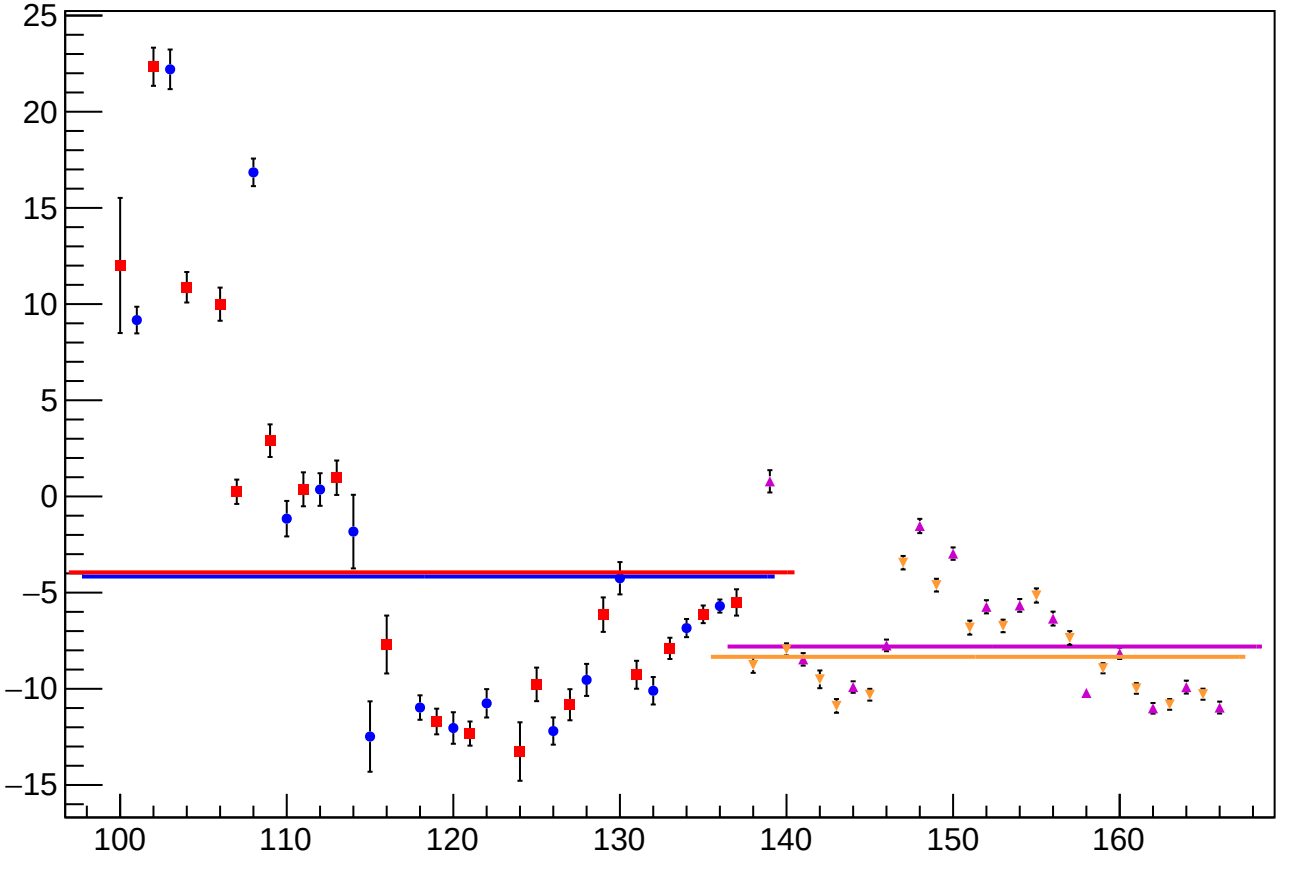
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.051+/-0.086 χ^2/NDF:1976.3/29

Out: -9.553+/-0.086 χ^2/NDF:2002.4/33

All: -9.803+/-0.061 χ^2/NDF: 3995.5/63

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.337+/-0.084 χ^2/NDF:710.2/14

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.803+/-0.086 χ^2/NDF:1249.5/13

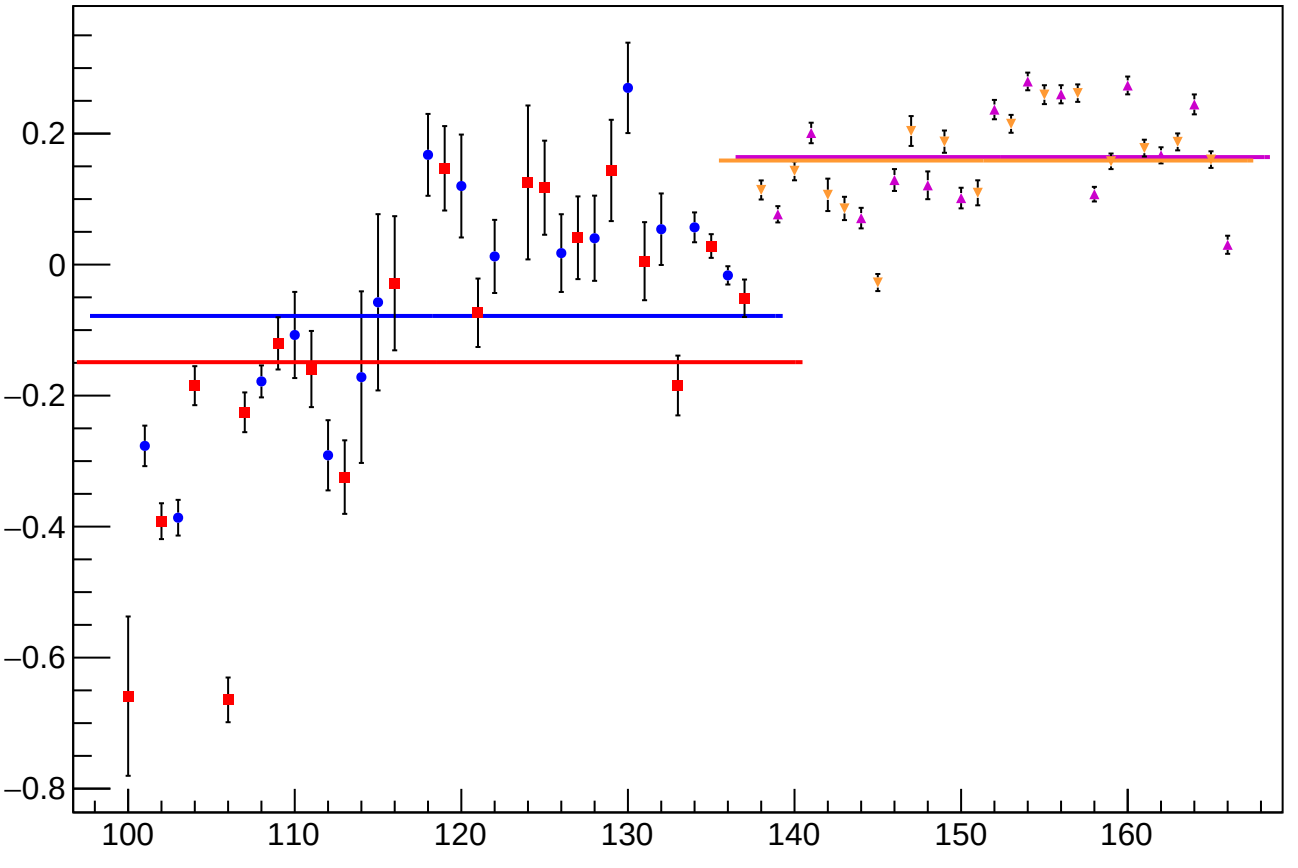
Left: -8.074+/-0.060 χ^2/NDF: 1979.5/28

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.078+/-0.077 χ^2/NDF:4133.5/29

Out: -7.519+/-0.076 χ^2/NDF:3326.6/33

All: -7.301+/-0.054 χ^2/NDF: 7476.7/63



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.159+/-0.004 χ^2/NDF:381.7/14

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.164+/-0.004 χ^2/NDF:472.2/13

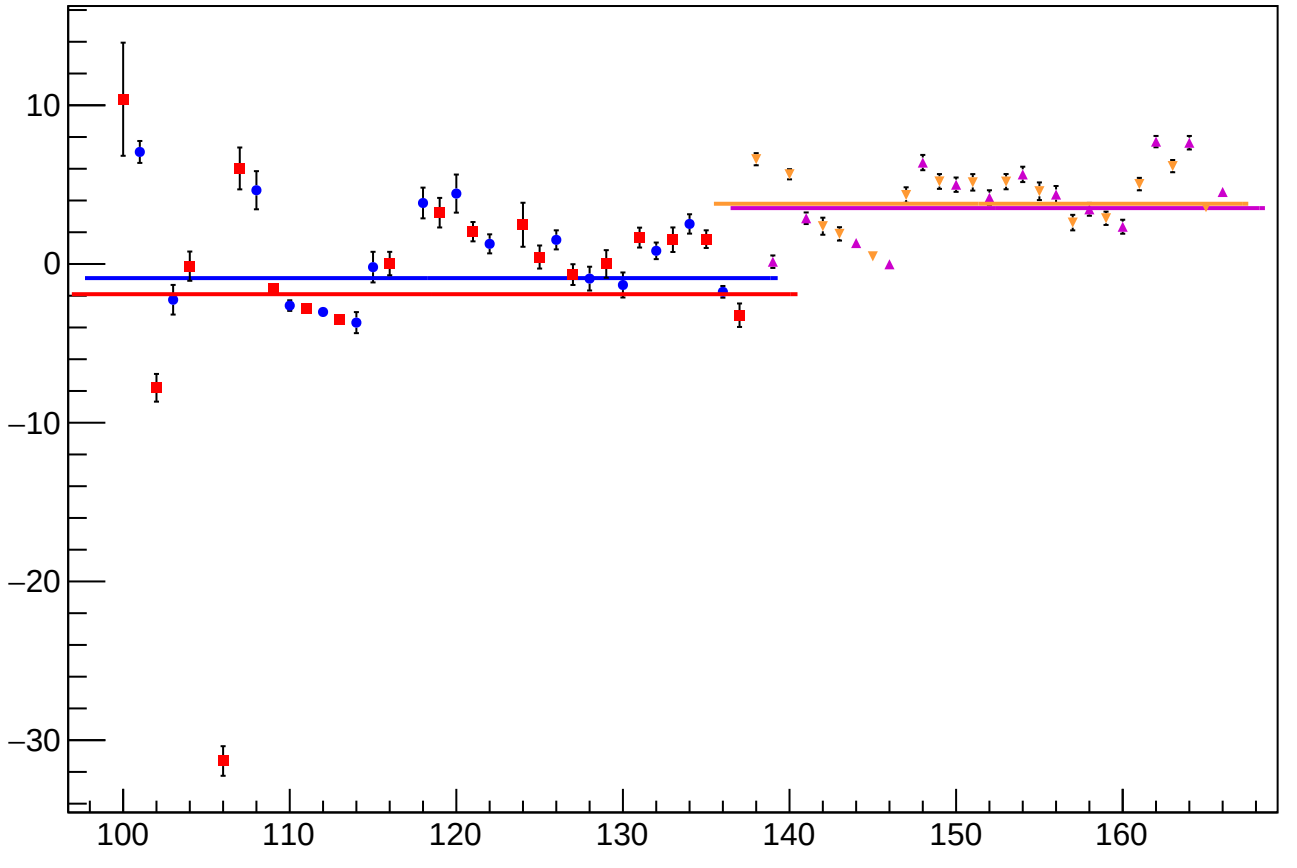
Left: 0.162+/-0.003 χ^2/NDF: 854.8/28

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.124+/-0.003 χ^2/NDF:1460.4/29

Out: 0.113+/-0.004 χ^2/NDF:1886.2/33

All: 0.119+/-0.002 χ^2/NDF: 3351.8/63



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.796+/-0.102 χ^2/NDF:384.0/14

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.520+/-0.102 χ^2/NDF:601.0/13

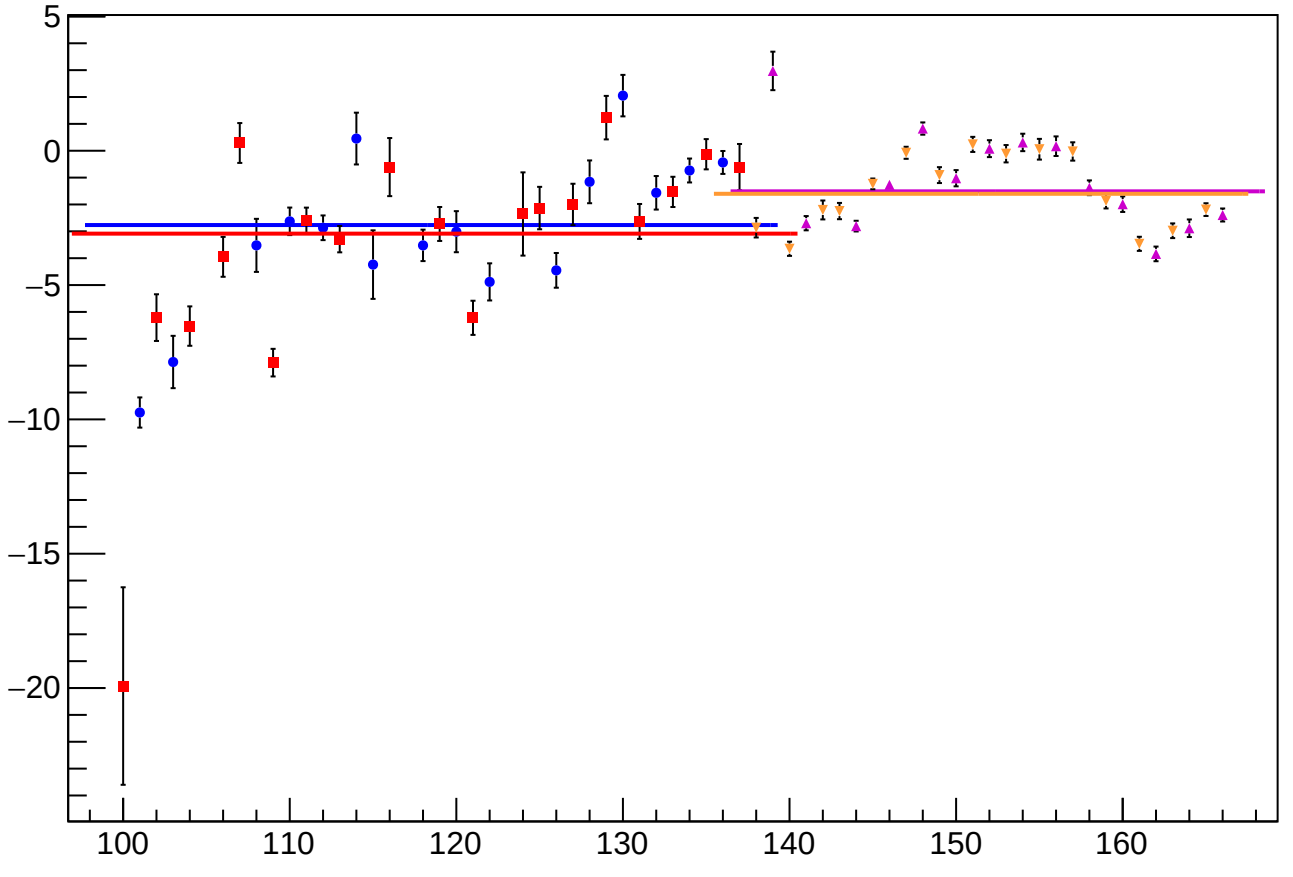
Left: 3.657+/-0.072 χ^2/NDF: 988.7/28

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.949+/-0.082 χ^2/NDF:1652.0/29

Out: 1.591+/-0.080 χ^2/NDF:2924.3/33

All: 1.766+/-0.057 χ^2/NDF: 4586.2/63



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.603+/-0.072 χ^2/NDF:321.0/14

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.511+/-0.072 χ^2/NDF:395.6/13

Left: -1.557+/-0.051 χ^2/NDF: 717.4/28

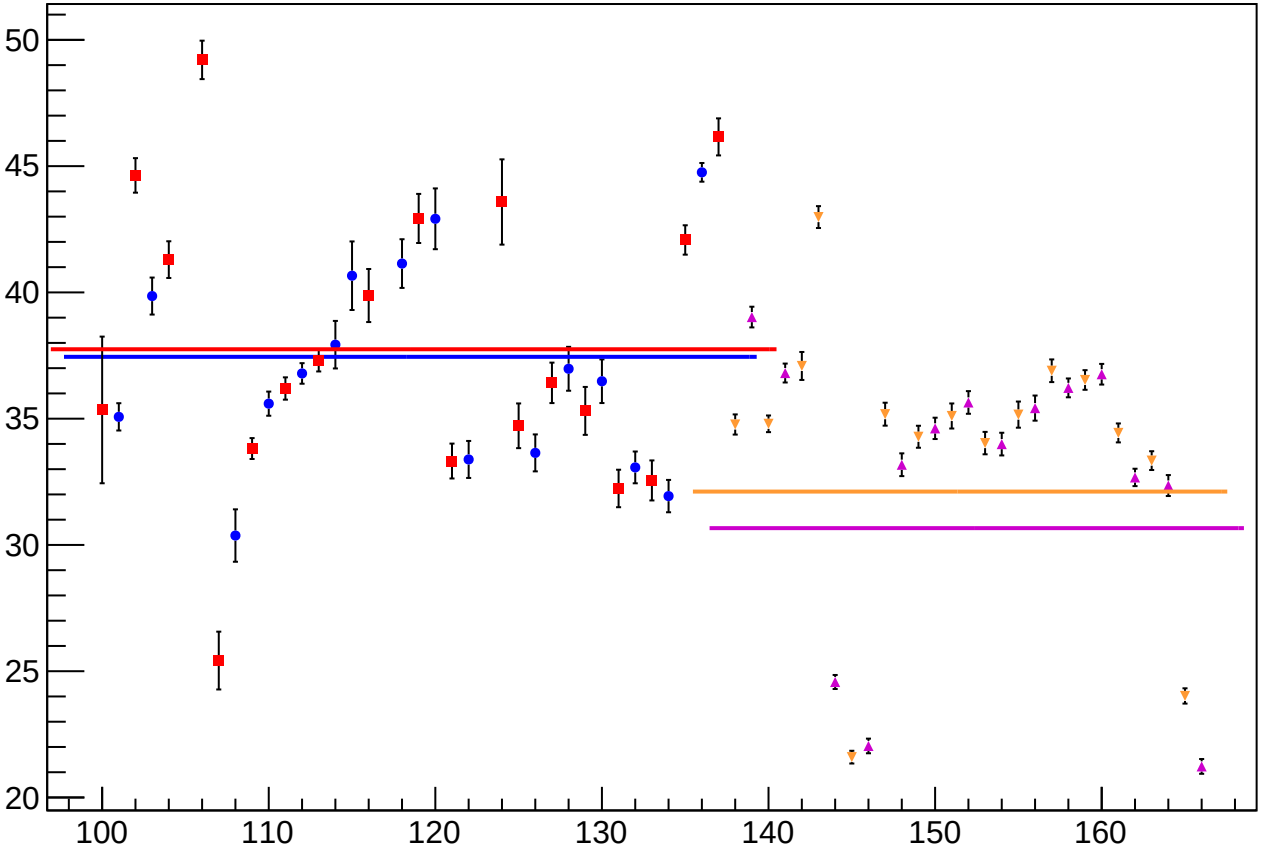
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.729+/-0.065 χ^2/NDF:759.0/29

Out: -1.859+/-0.066 χ^2/NDF:666.7/33

All: -1.793+/-0.046 χ^2/NDF: 1427.7/63

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.113+/-0.100 χ^2/NDF:3722.7/14

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.665+/-0.099 χ^2/NDF:3971.7/13

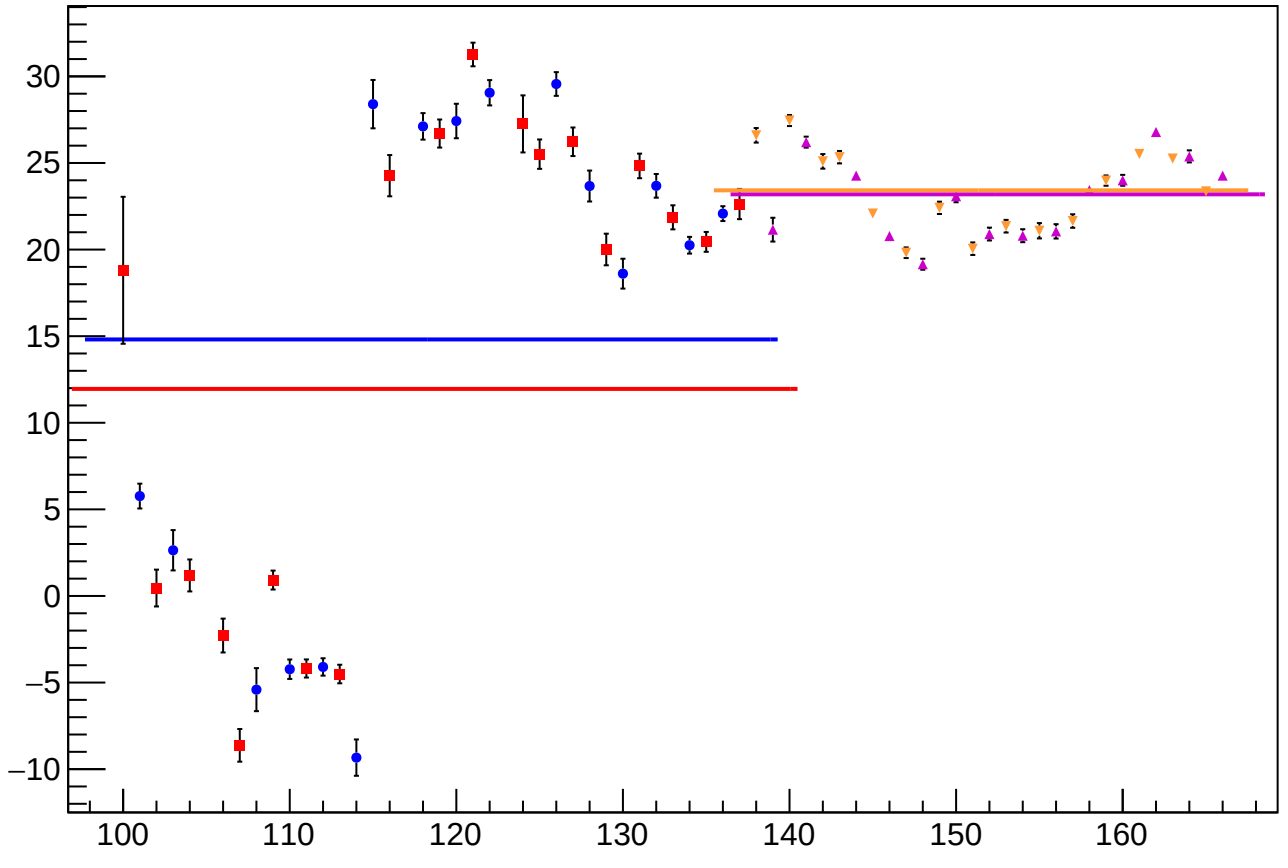
Left: 31.382+/-0.071 χ^2/NDF: 7799.8/28

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.538+/-0.084 χ^2/NDF:5968.3/29

Out: 33.710+/-0.085 χ^2/NDF:5581.9/33

All: 33.121+/-0.060 χ^2/NDF: 11646.2/63



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.421+/-0.083 χ^2/NDF:707.5/14

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.190+/-0.083 χ^2/NDF:730.4/13

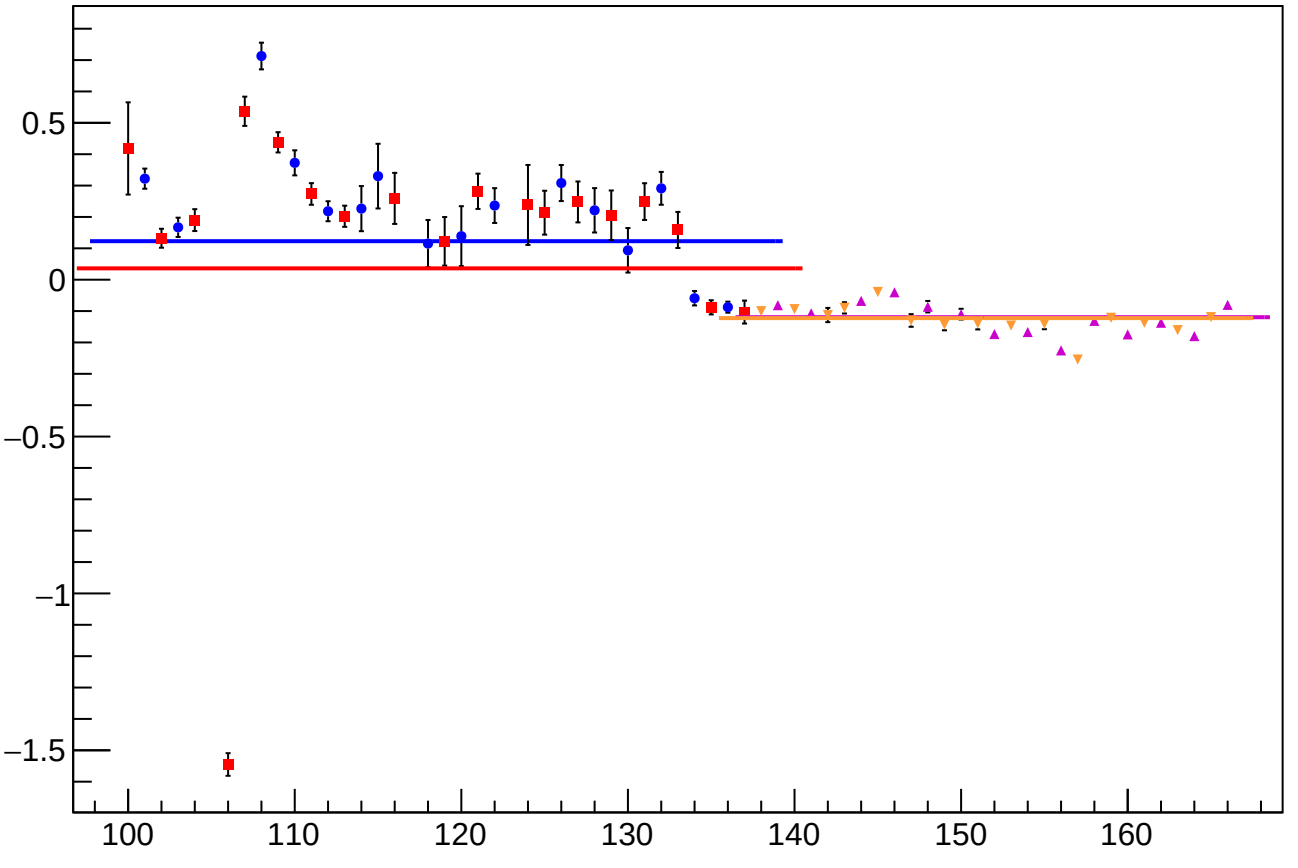
Left: 23.305+/-0.059 χ^2/NDF: 1441.8/28

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.649+/-0.075 χ^2/NDF:8311.3/29

Out: 21.350+/-0.075 χ^2/NDF:10258.2/33

All: 21.501+/-0.053 χ^2/NDF: 18577.5/63



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.004 χ^2/NDF:174.6/14

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.120+/-0.004 χ^2/NDF:177.7/13

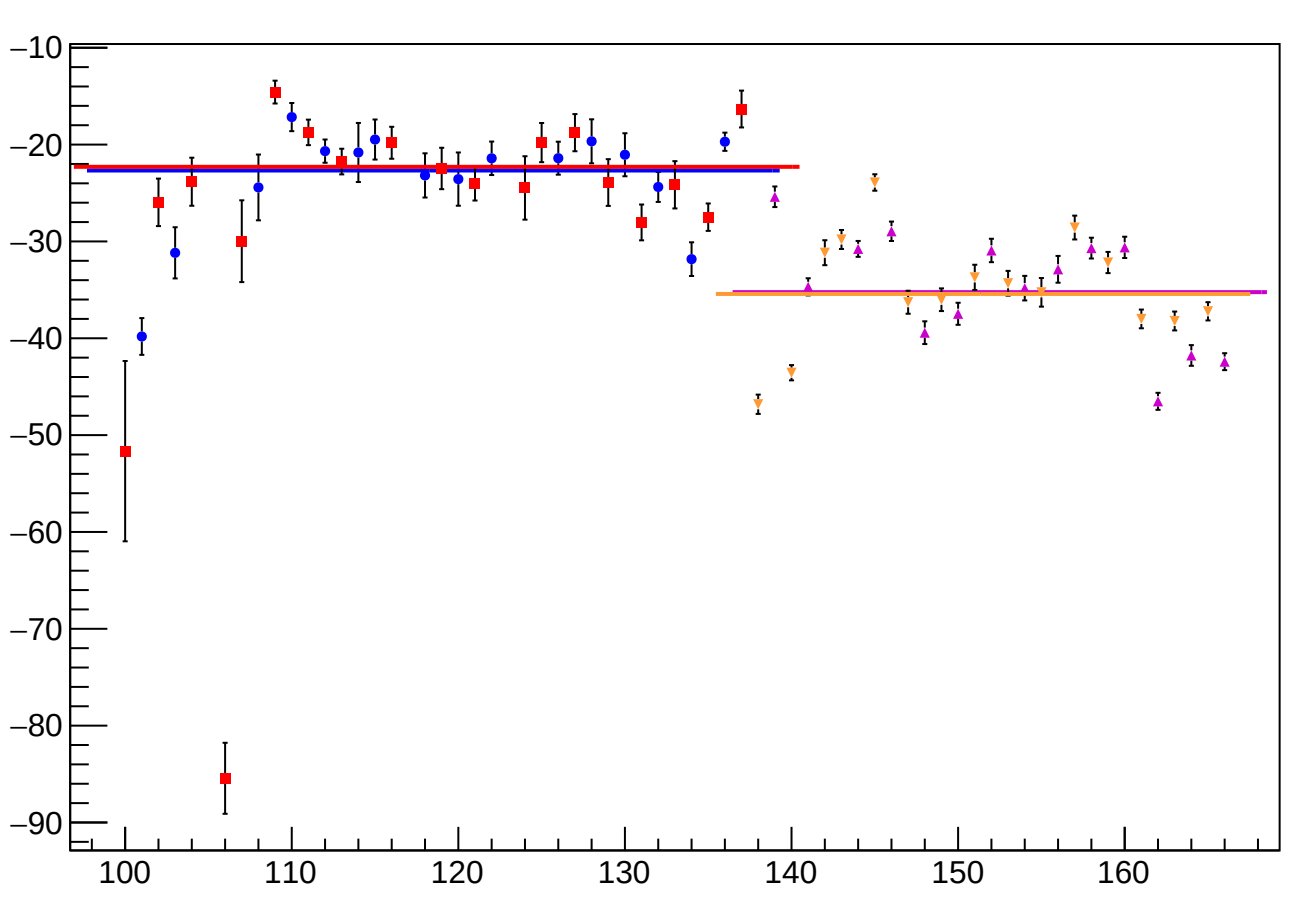
Left: -0.121+/-0.003 χ^2/NDF: 352.6/28

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.085+/-0.004 χ^2/NDF:1267.5/29

Out: -0.102+/-0.004 χ^2/NDF:2817.8/33

All: -0.093+/-0.003 χ^2/NDF: 4095.6/63



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.422+/-0.272 χ^2/NDF:527.3/14

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -35.235+/-0.276 χ^2/NDF:492.4/13

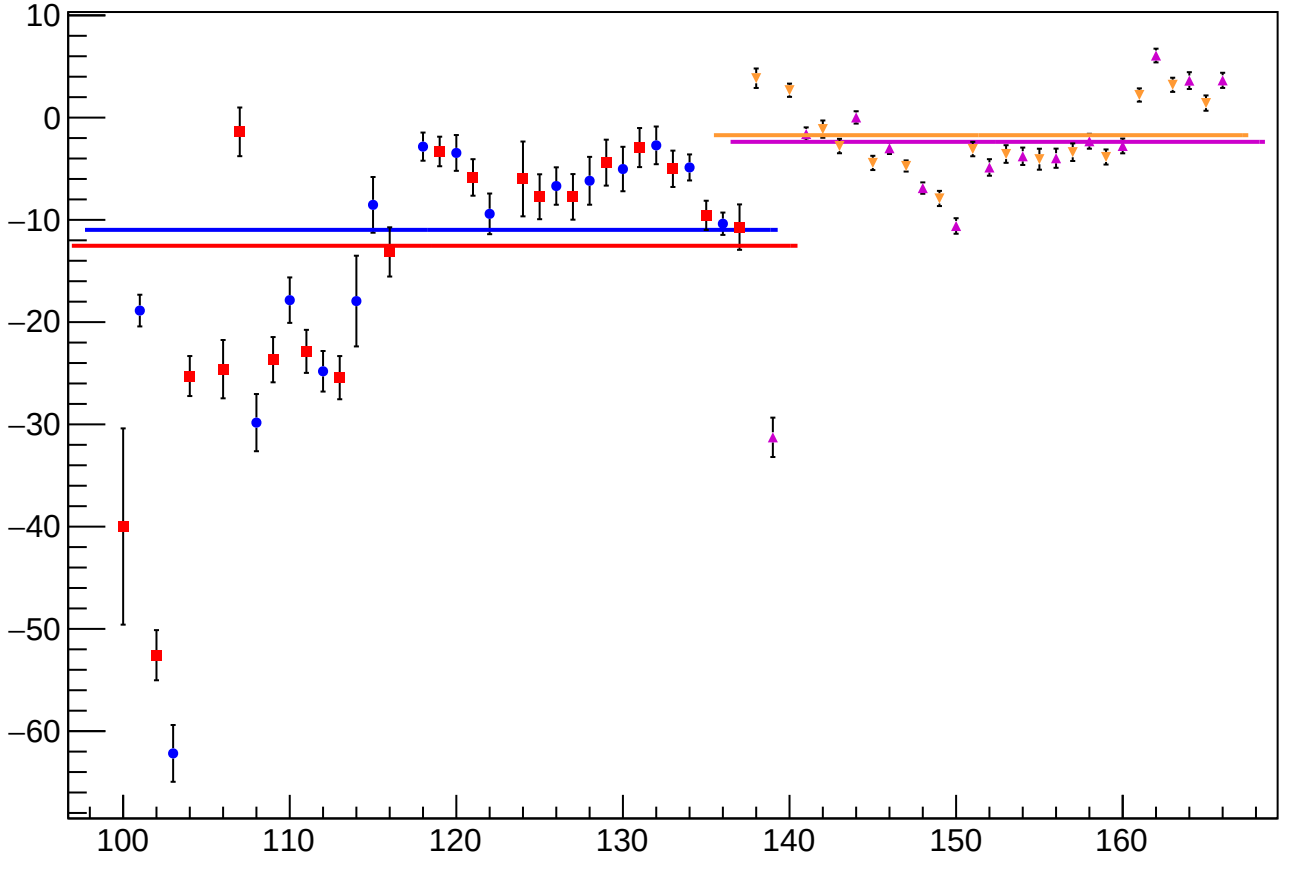
Left: -35.330+/-0.194 χ^2/NDF: 1019.9/28

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.626+/-0.233 χ^2/NDF:1242.3/29

Out: -31.729+/-0.231 χ^2/NDF:1586.7/33

All: -31.678+/-0.164 χ^2/NDF: 2829.1/63



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.719+/-0.189 χ^2/NDF:328.3/14

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.370+/-0.193 χ^2/NDF:719.2/13

Left: -2.039+/-0.135 χ^2/NDF: 1053.3/28

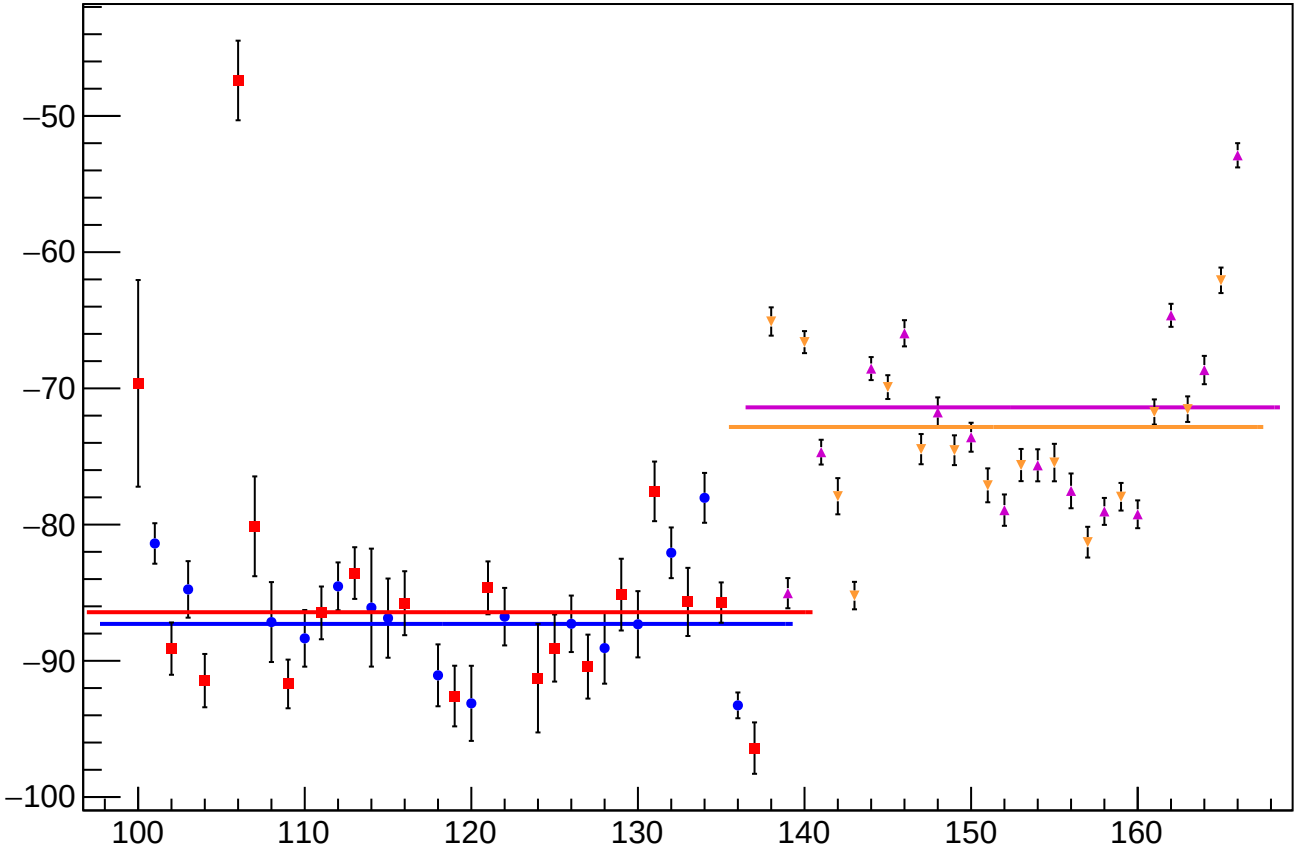
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -3.690+/-0.178 χ^2/NDF:1611.7/29

Out: -3.171+/-0.176 χ^2/NDF:1338.1/33

All: -3.428+/-0.125 χ^2/NDF: 2954.1/63

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.834+/-0.267 χ^2/NDF:534.2/14

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -71.393+/-0.268 χ^2/NDF:913.2/13

Left: -72.118+/-0.189 χ^2/NDF: 1461.9/28

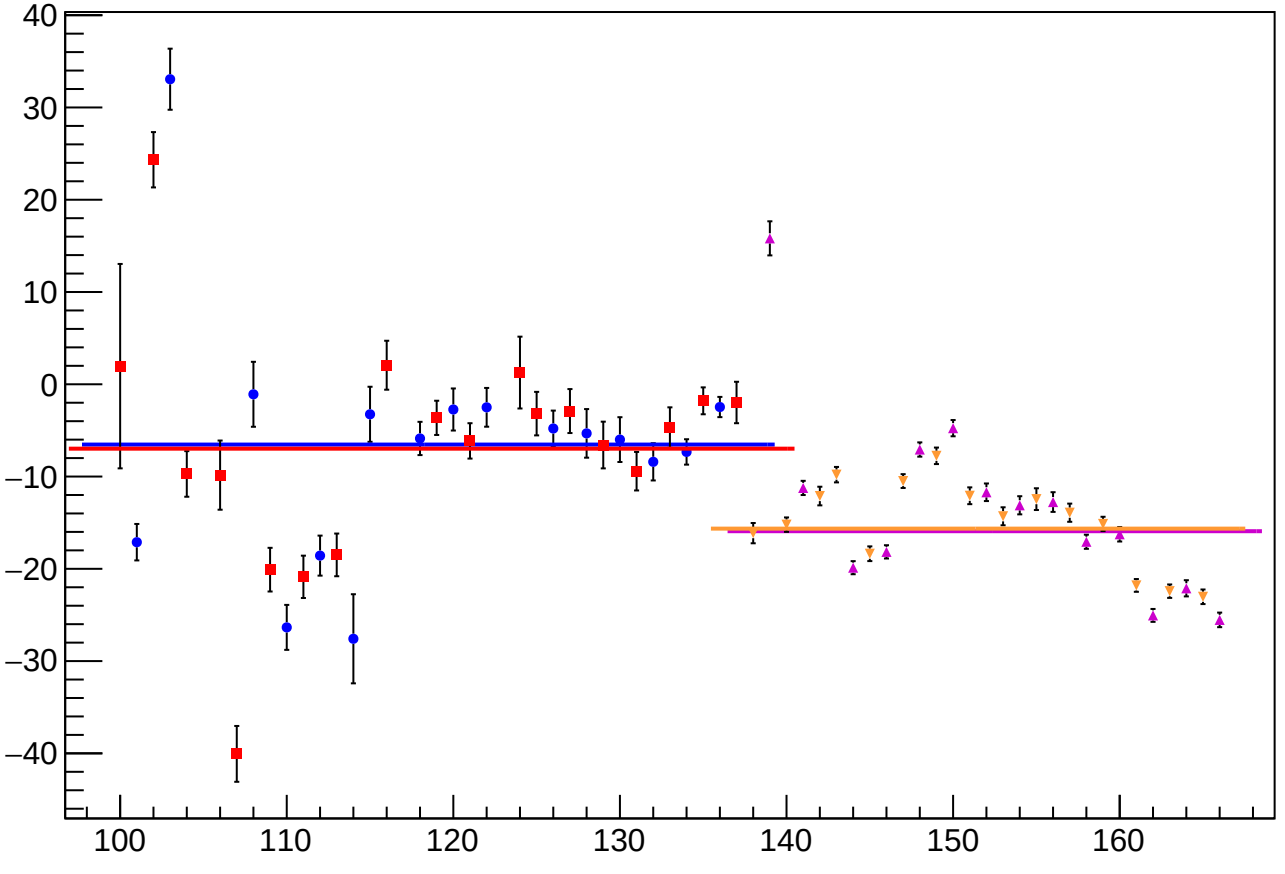
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -75.174+/-0.234 χ^2/NDF:1848.4/29

Out: -75.792+/-0.236 χ^2/NDF:1364.1/33

All: -75.481+/-0.166 χ^2/NDF: 3216.0/63

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -15.644+/-0.220 χ^2/NDF:479.5/14

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.924+/-0.223 χ^2/NDF:1072.3/13

Left: -15.782+/-0.156 χ^2/NDF: 1552.6/28

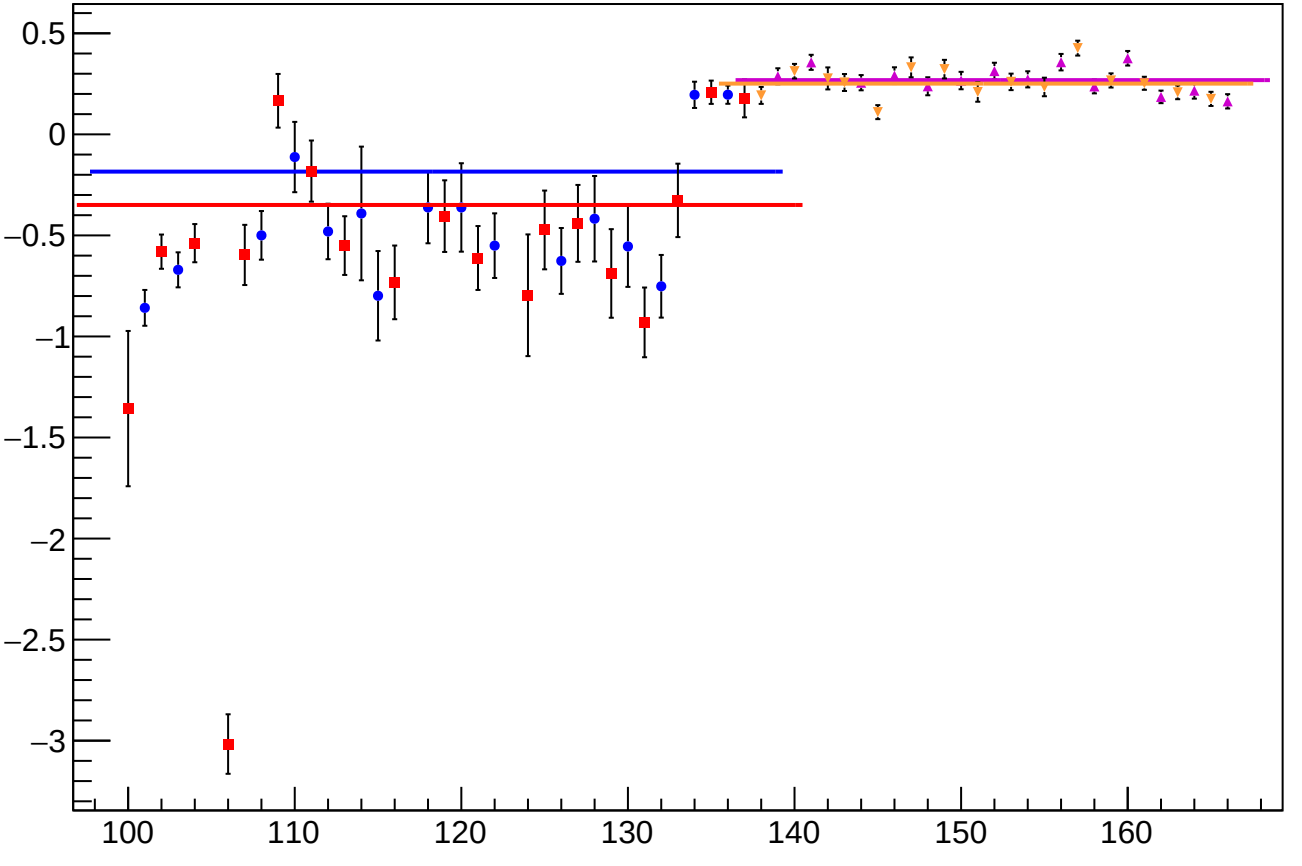
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -14.409+/-0.204 χ^2/NDF:1672.8/29

Out: -14.420+/-0.204 χ^2/NDF:1067.6/33

All: -14.415+/-0.144 χ^2/NDF: 2740.4/63

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.251+/-0.010 χ^2/NDF:56.8/14

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.268+/-0.010 χ^2/NDF:40.0/13

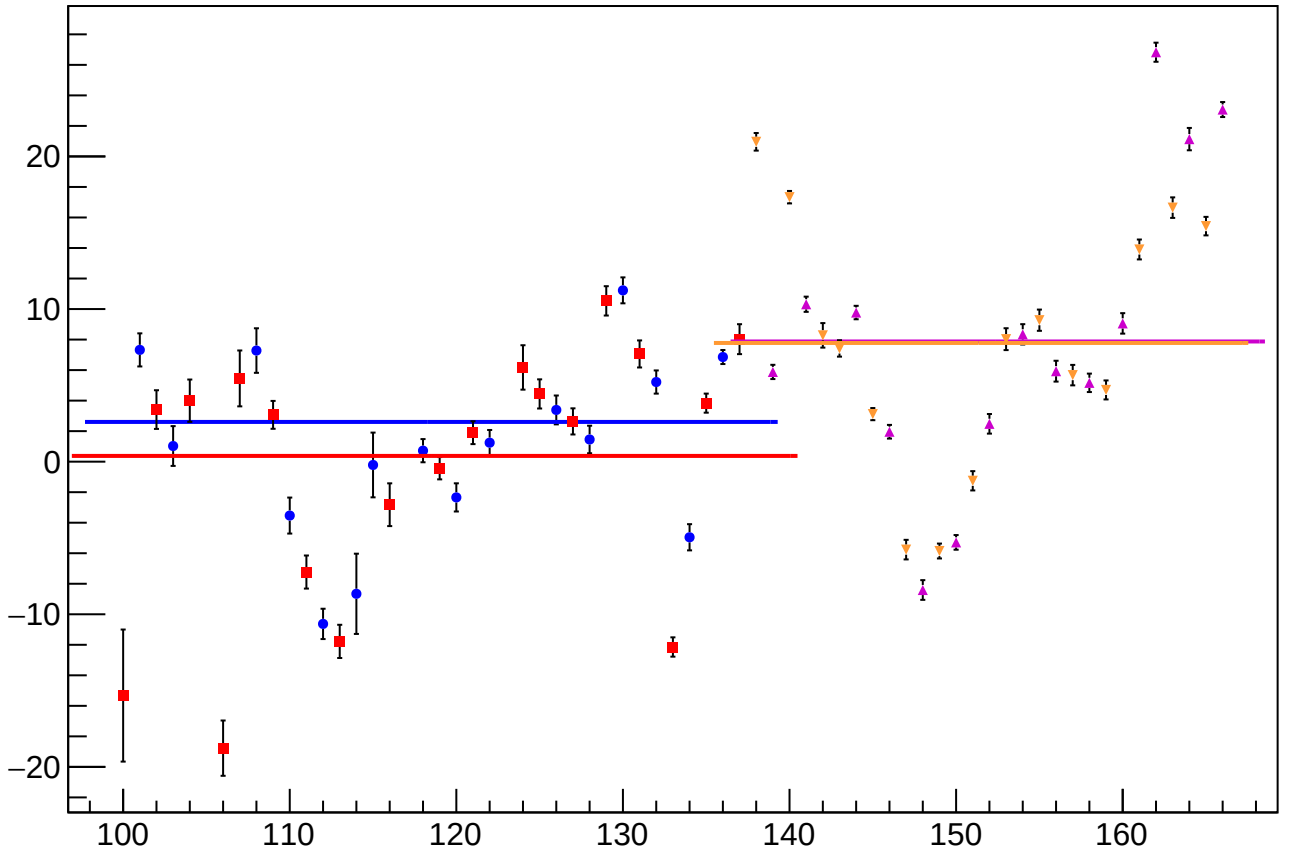
Left: 0.260+/-0.007 χ^2/NDF: 98.2/28

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.211+/-0.010 χ^2/NDF:536.9/29

Out: 0.186+/-0.010 χ^2/NDF:947.5/33

All: 0.199+/-0.007 χ^2/NDF: 1487.7/63



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 7.778+/-0.148 χ^2/NDF:3098.3/14

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 7.875+/-0.148 χ^2/NDF:3924.6/13

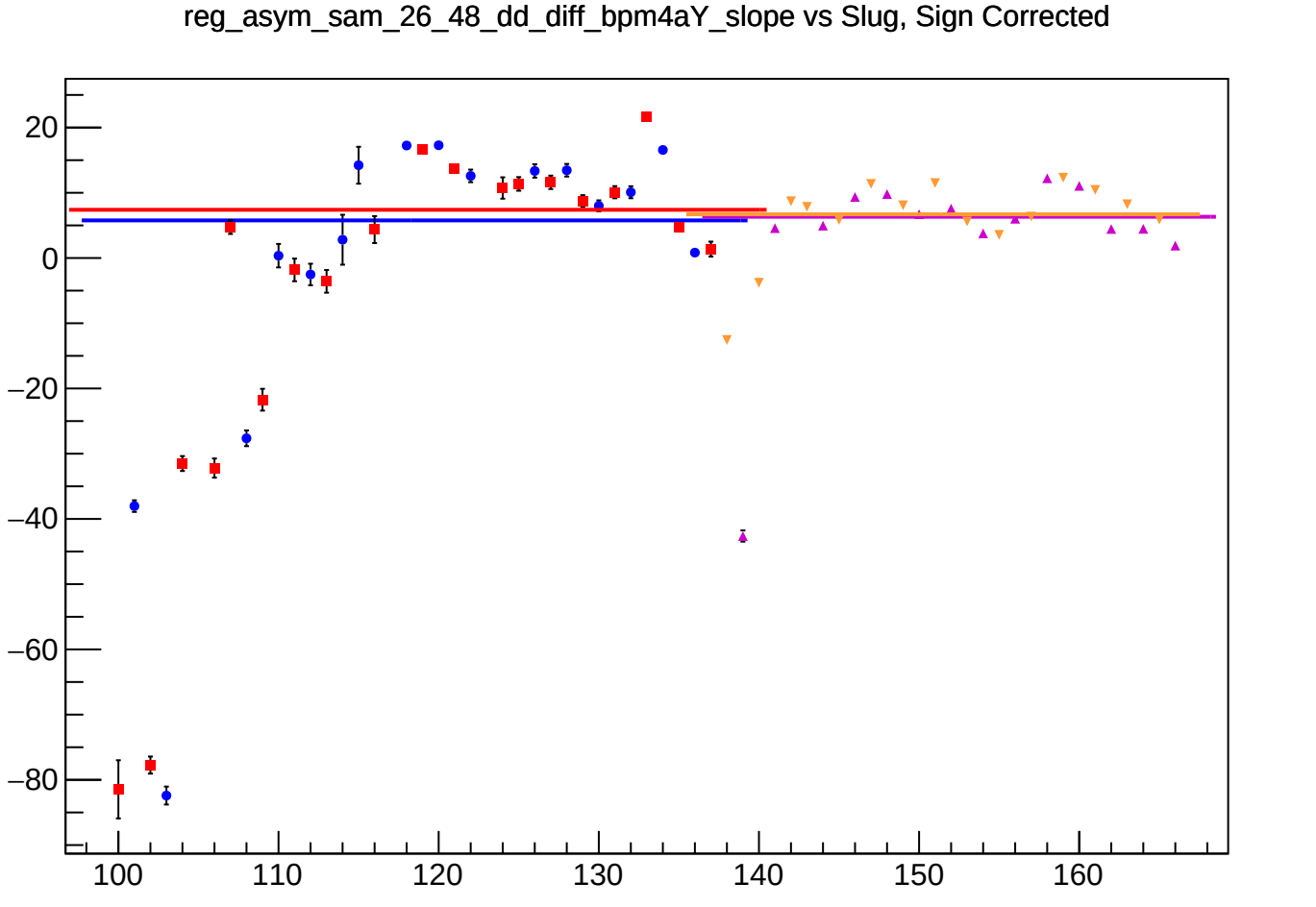
Left: 7.827+/-0.105 χ^2/NDF: 7023.0/28

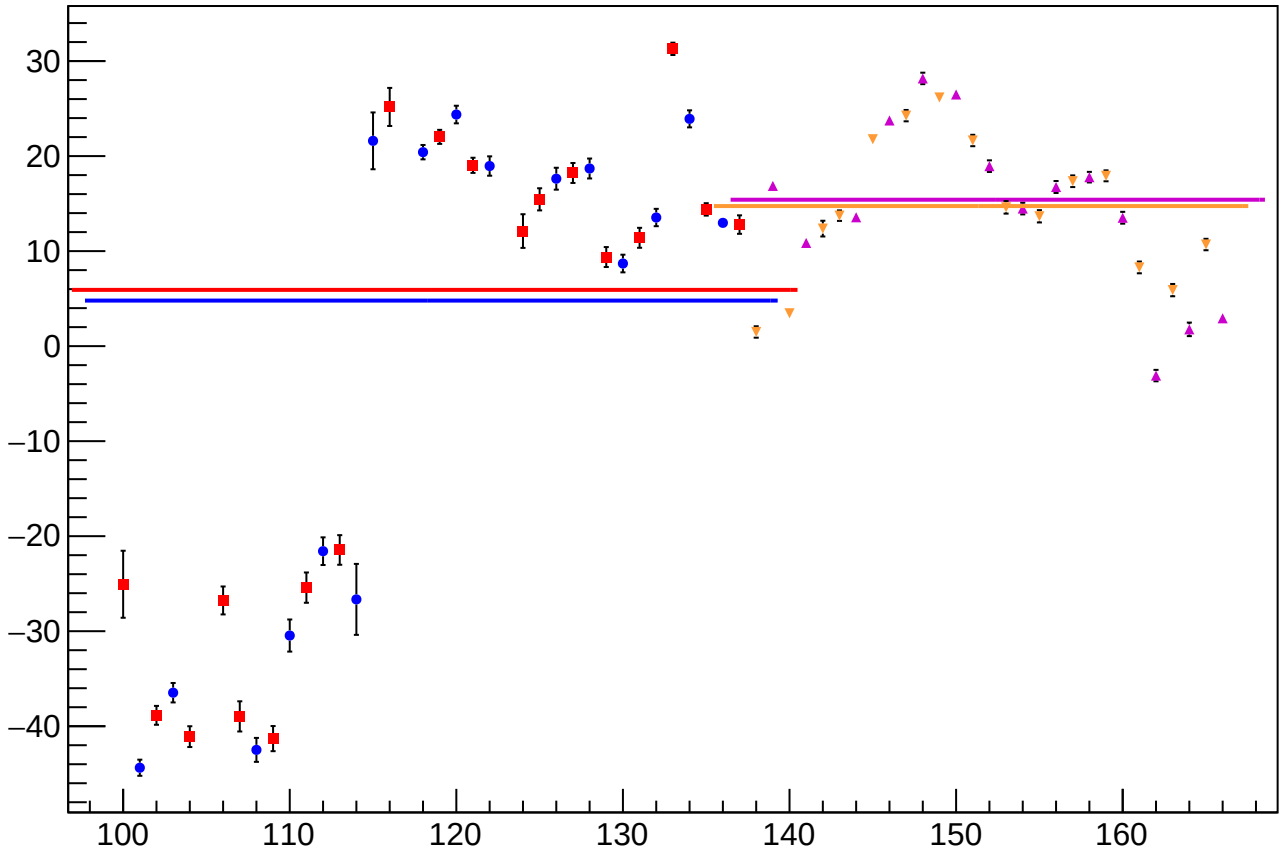
Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 6.278+/-0.123 χ^2/NDF:4883.3/29

Out: 5.501+/-0.123 χ^2/NDF:4897.1/33

All: 5.889+/-0.087 χ^2/NDF: 9800.3/63


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 6.702+/-0.104 χ²/NDF:2823.0/14
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 6.323+/-0.105 χ²/NDF:4034.9/13
Left: 6.515+/-0.074 χ²/NDF: 6864.5/28
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.211+/-0.094 χ²/NDF:12974.3/29
Out: 6.839+/-0.093 χ²/NDF:11222.4/33
All: 6.529+/-0.066 χ²/NDF: 24219.2/63



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.741+/-0.145 χ^2/NDF:2917.7/14

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.409+/-0.144 χ^2/NDF:3531.8/13

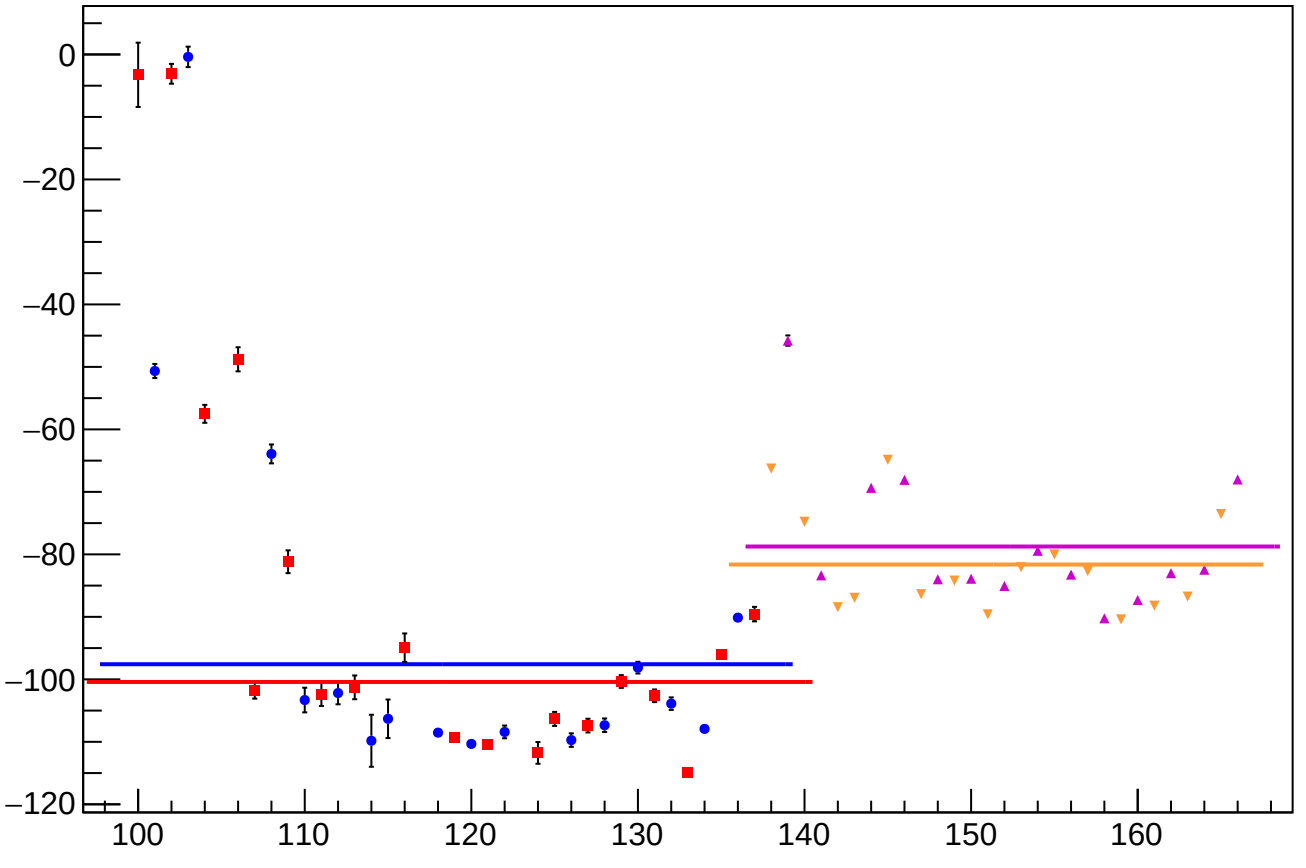
Left: 15.078+/-0.102 χ^2/NDF: 6460.1/28

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 12.557+/-0.123 χ^2/NDF:14490.7/29

Out: 12.381+/-0.124 χ^2/NDF:13967.2/33

All: 12.470+/-0.087 χ^2/NDF: 28458.9/63



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.627+/-0.121 χ^2/NDF:4497.0/14

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -78.745+/-0.122 χ^2/NDF:5574.2/13

Left: -80.193+/-0.086 χ^2/NDF: 10352.7/28

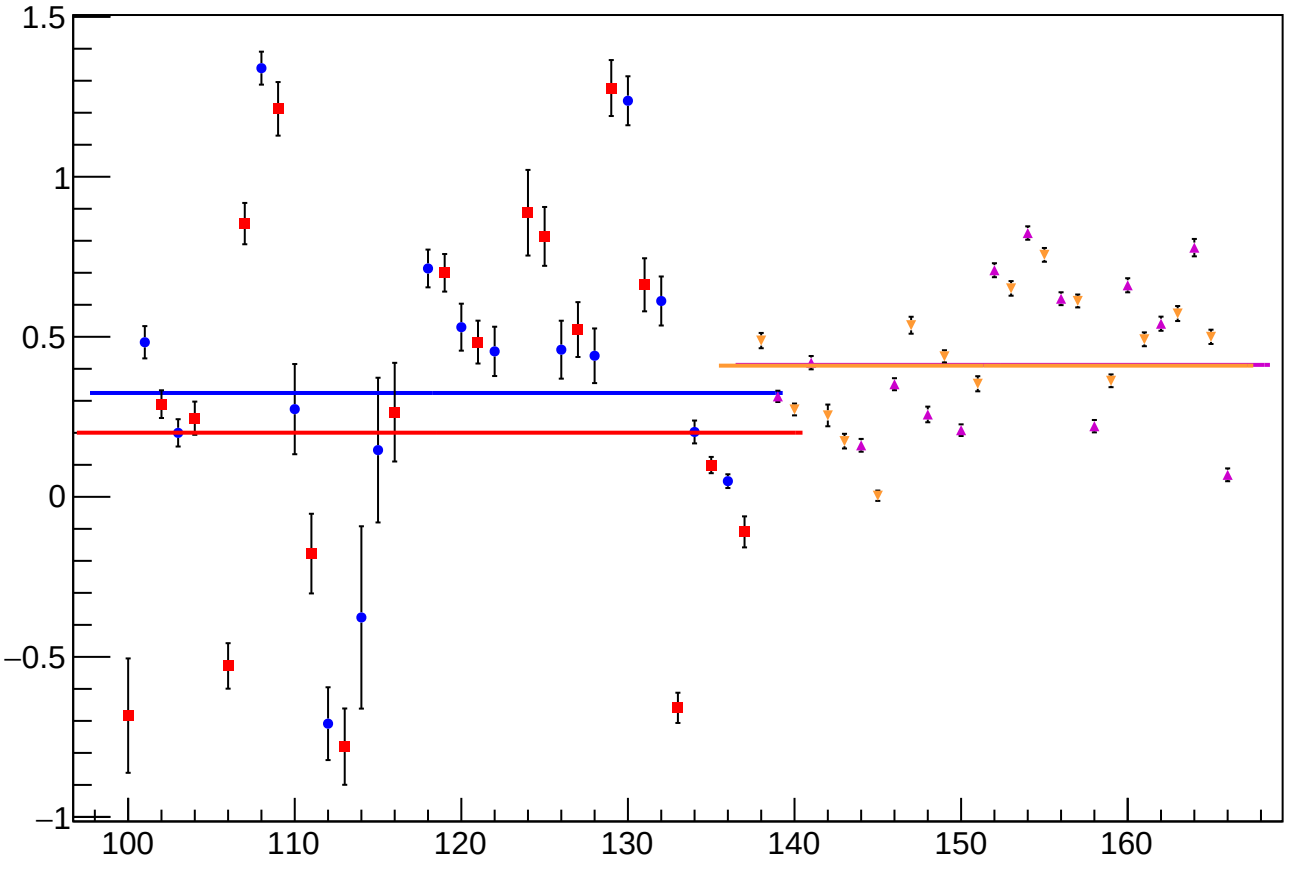
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.556+/-0.109 χ^2/NDF:17563.4/29

Out: -85.417+/-0.108 χ^2/NDF:16466.9/33

All: -83.993+/-0.077 χ^2/NDF: 34378.3/63

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.410+/-0.006 χ^2/NDF:1408.8/14

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.412+/-0.006 χ^2/NDF:1772.9/13

Left: 0.411+/-0.004 χ^2/NDF: 3181.8/28

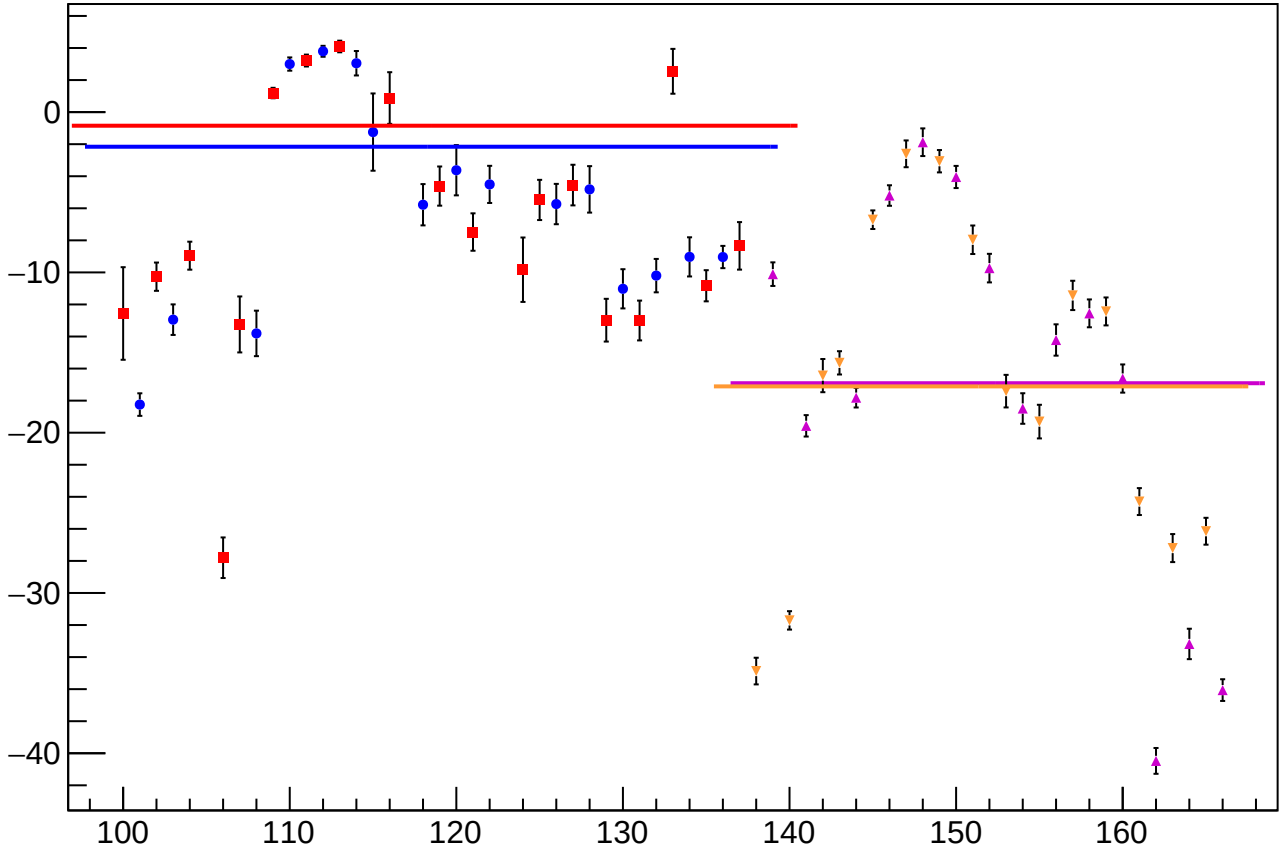
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.399+/-0.005 χ^2/NDF:2696.7/29

Out: 0.381+/-0.005 χ^2/NDF:2812.1/33

All: 0.390+/-0.004 χ^2/NDF: 5515.4/63

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.111+/-0.206 χ^2/NDF:2635.9/14

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -16.914+/-0.206 χ^2/NDF:3137.8/13

Left: -17.013+/-0.146 χ^2/NDF: 5774.2/28

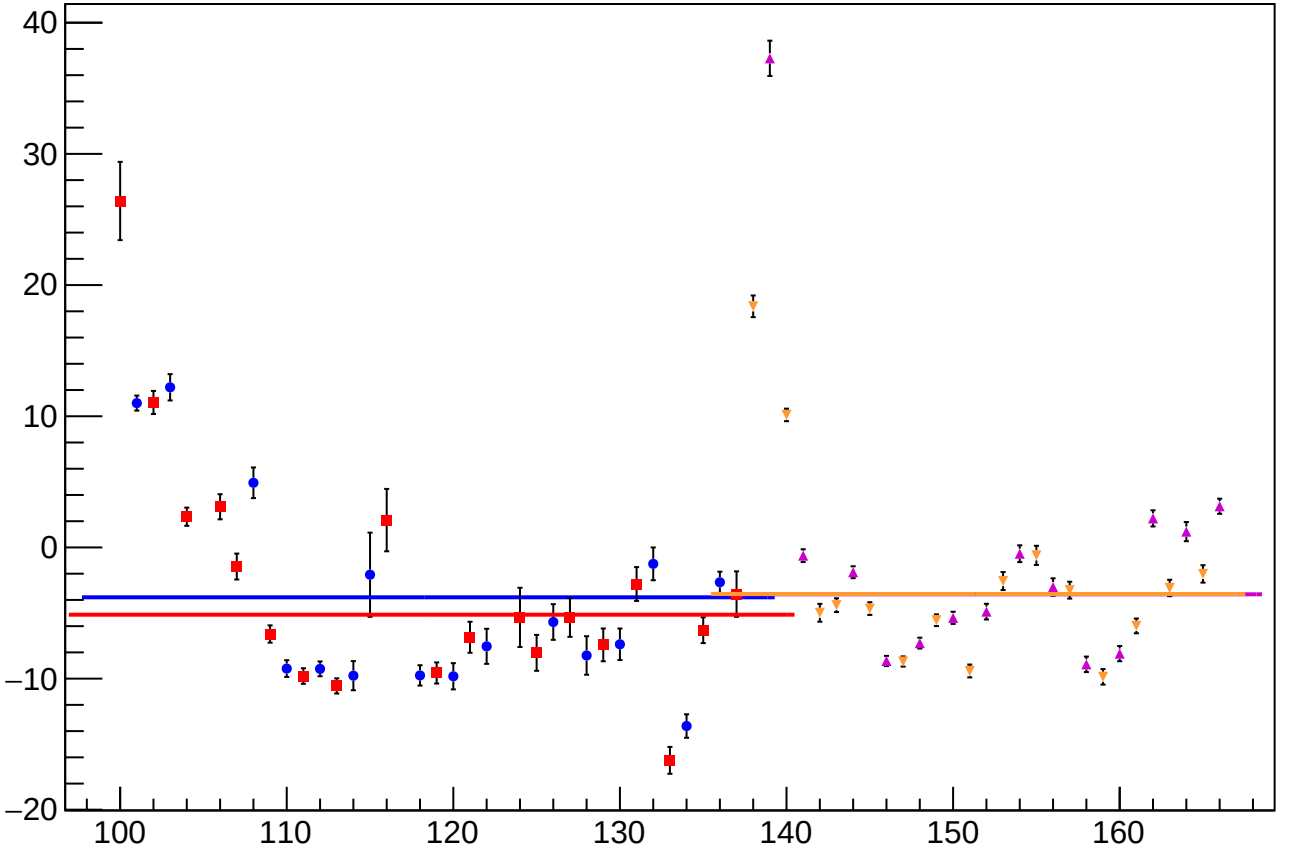
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.003+/-0.141 χ^2/NDF:7368.5/29

Out: -7.457+/-0.131 χ^2/NDF:7802.8/33

All: -8.177+/-0.096 χ^2/NDF: 15235.9/63

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.550+/-0.143 χ^2/NDF:2030.2/14

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.572+/-0.145 χ^2/NDF:1675.7/13

Left: -3.561+/-0.102 χ^2/NDF: 3705.9/28

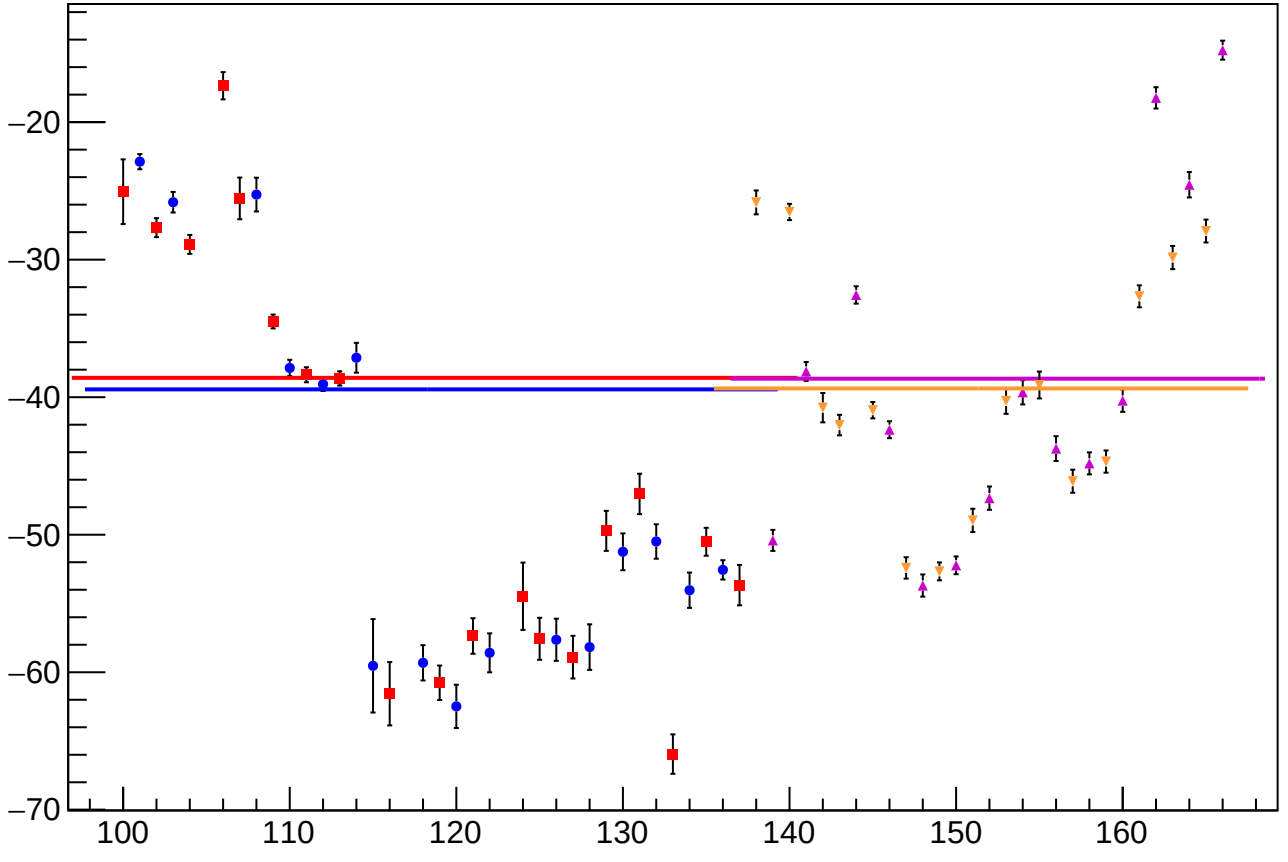
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.639+/-0.122 χ^2/NDF:3101.9/29

Out: -4.021+/-0.120 χ^2/NDF:3047.1/33

All: -3.834+/-0.085 χ^2/NDF: 6154.0/63

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -39.364+/-0.201 χ^2/NDF:2058.1/14

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -38.653+/-0.201 χ^2/NDF:3478.1/13

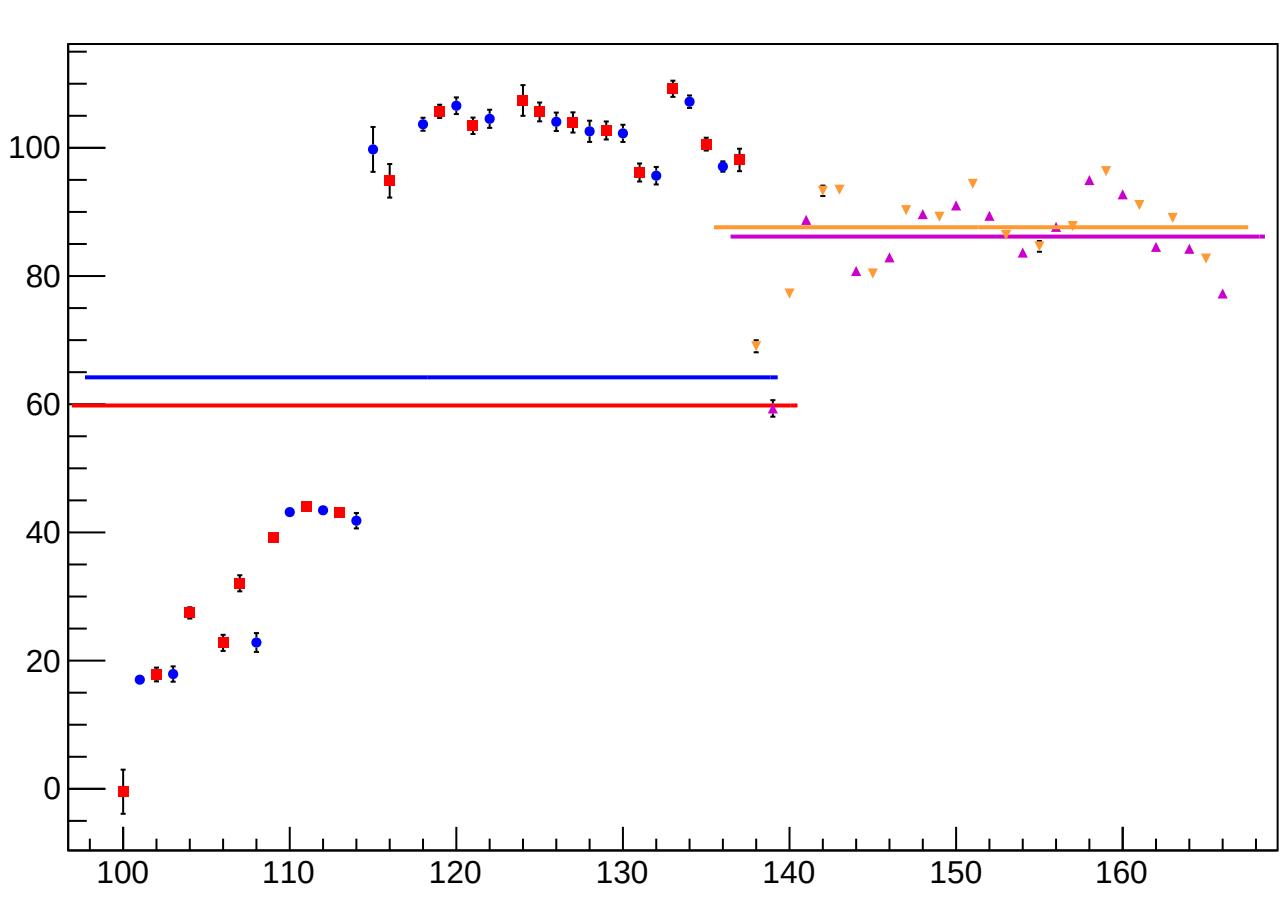
Left: -39.007+/-0.142 χ^2/NDF: 5542.4/28

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.998+/-0.150 χ^2/NDF:6442.9/29

Out: -38.999+/-0.146 χ^2/NDF:4837.1/33

All: -38.998+/-0.105 χ^2/NDF: 11280.0/63



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.612+/-0.167 χ^2/NDF:1474.2/14

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.153+/-0.168 χ^2/NDF:1285.3/13

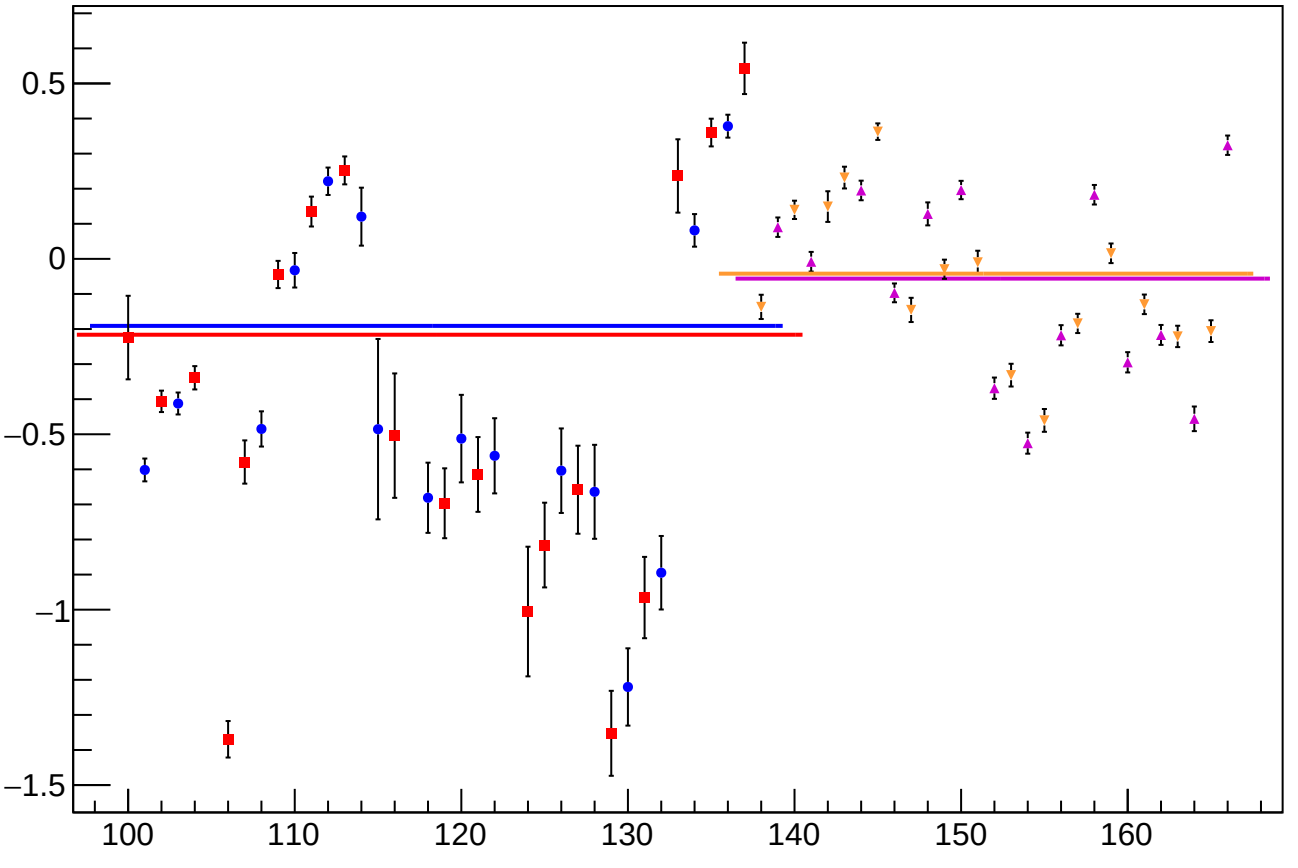
Left: 86.887+/-0.119 χ^2/NDF: 2797.4/28

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.588+/-0.141 χ^2/NDF:24978.8/29

Out: 78.969+/-0.139 χ^2/NDF:27518.3/33

All: 79.274+/-0.099 χ^2/NDF: 52506.9/63



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.042+/-0.008 χ^2/NDF:807.0/14

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.056+/-0.008 χ^2/NDF:1113.6/13

Left: -0.049+/-0.005 χ^2/NDF: 1922.4/28

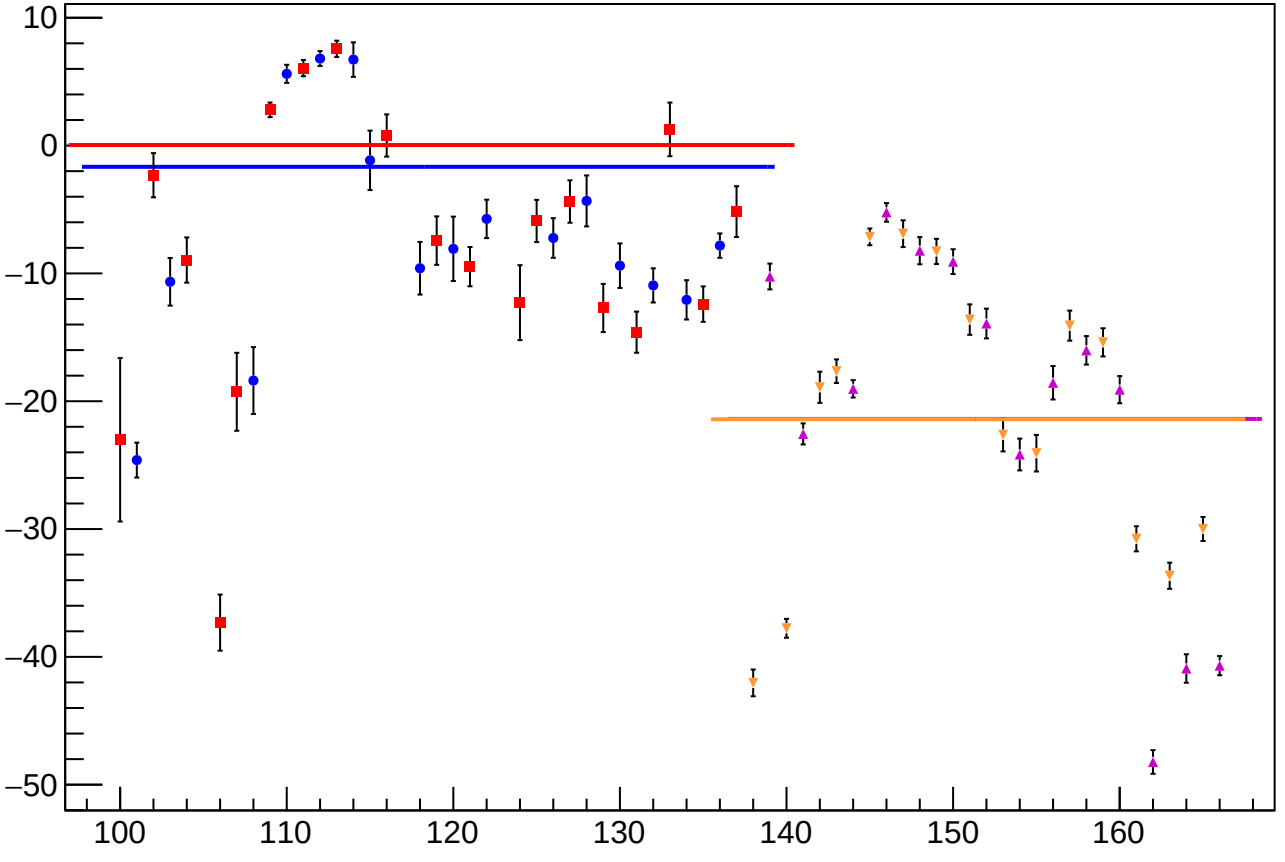
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.090+/-0.007 χ^2/NDF:2107.7/29

Out: -0.088+/-0.007 χ^2/NDF:2308.4/33

All: -0.089+/-0.005 χ^2/NDF: 4416.1/63

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -21.414+/-0.255 χ^2/NDF:2181.8/14

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.385+/-0.251 χ^2/NDF:2827.8/13

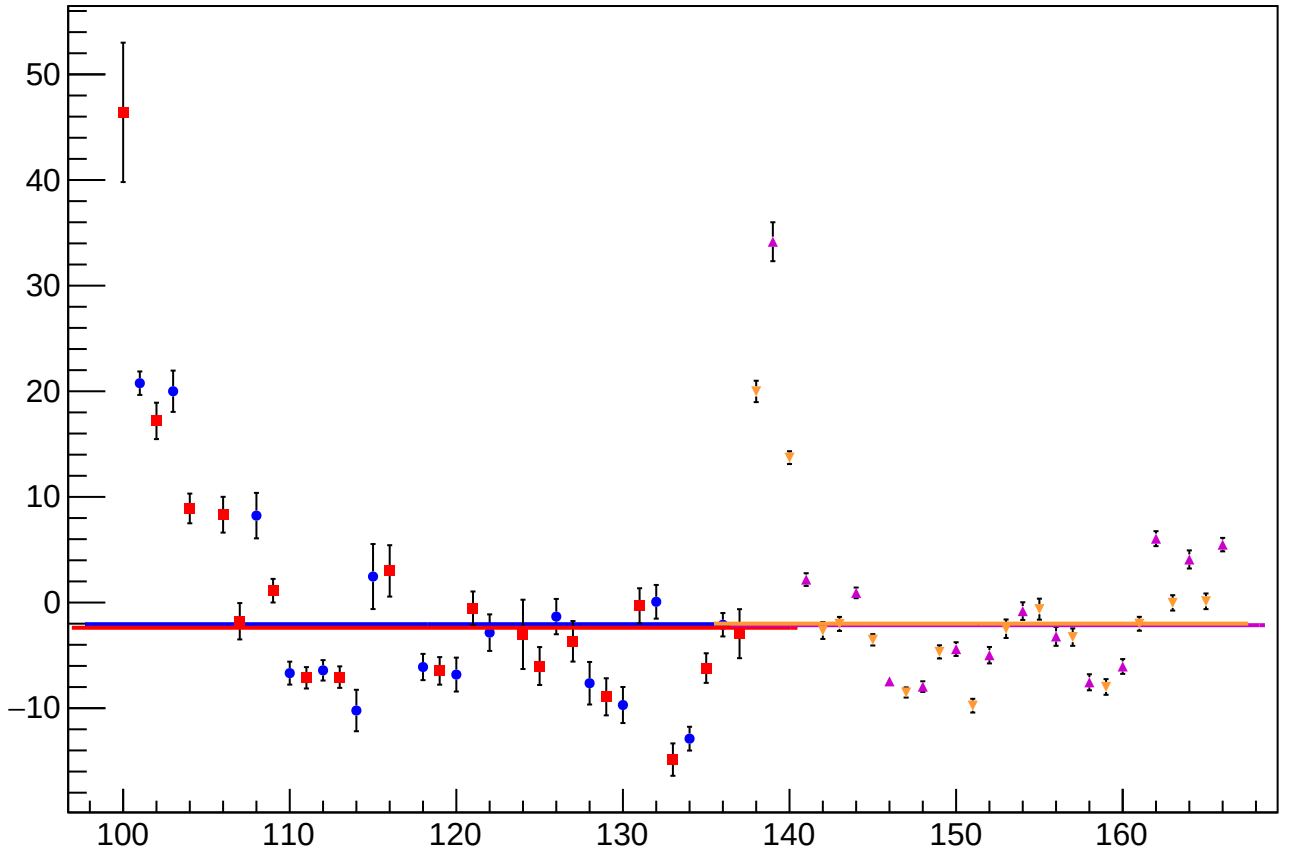
Left: -21.399+/-0.179 χ^2/NDF: 5009.6/28

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -13.502+/-0.195 χ^2/NDF:6189.0/29

Out: -11.745+/-0.189 χ^2/NDF:6295.0/33

All: -12.598+/-0.136 χ^2/NDF: 12525.9/63



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.994+/-0.177 χ^2/NDF:1577.0/14

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -2.143+/-0.175 χ^2/NDF:1202.4/13

Left: -2.069+/-0.125 χ^2/NDF: 2779.7/28

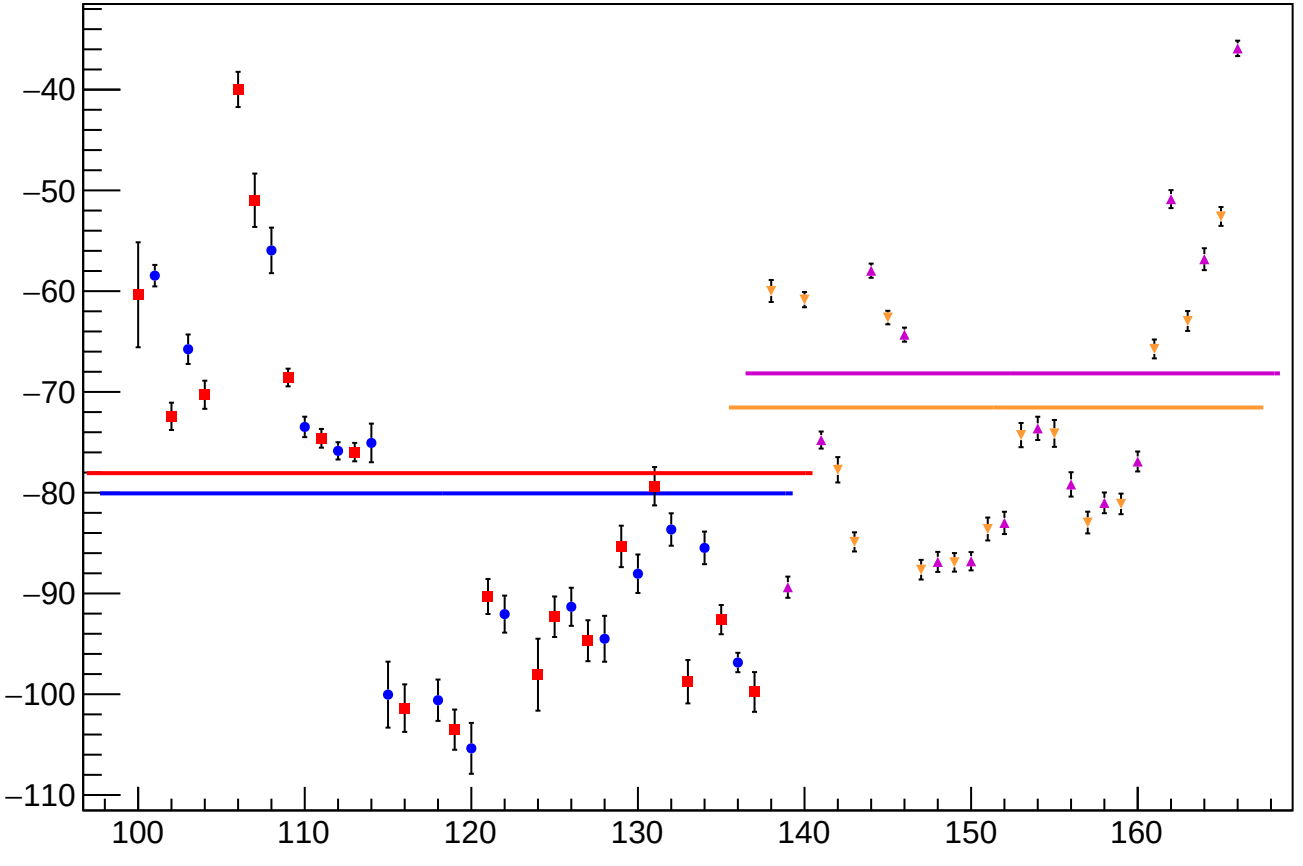
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.125+/-0.157 χ^2/NDF:1974.3/29

Out: -2.072+/-0.159 χ^2/NDF:2028.9/33

All: -2.099+/-0.112 χ^2/NDF: 4003.3/63

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -71.544+/-0.251 χ^2/NDF:2108.1/14

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -68.159+/-0.245 χ^2/NDF:4266.3/13

Left: -69.816+/-0.175 χ^2/NDF: 6467.5/28

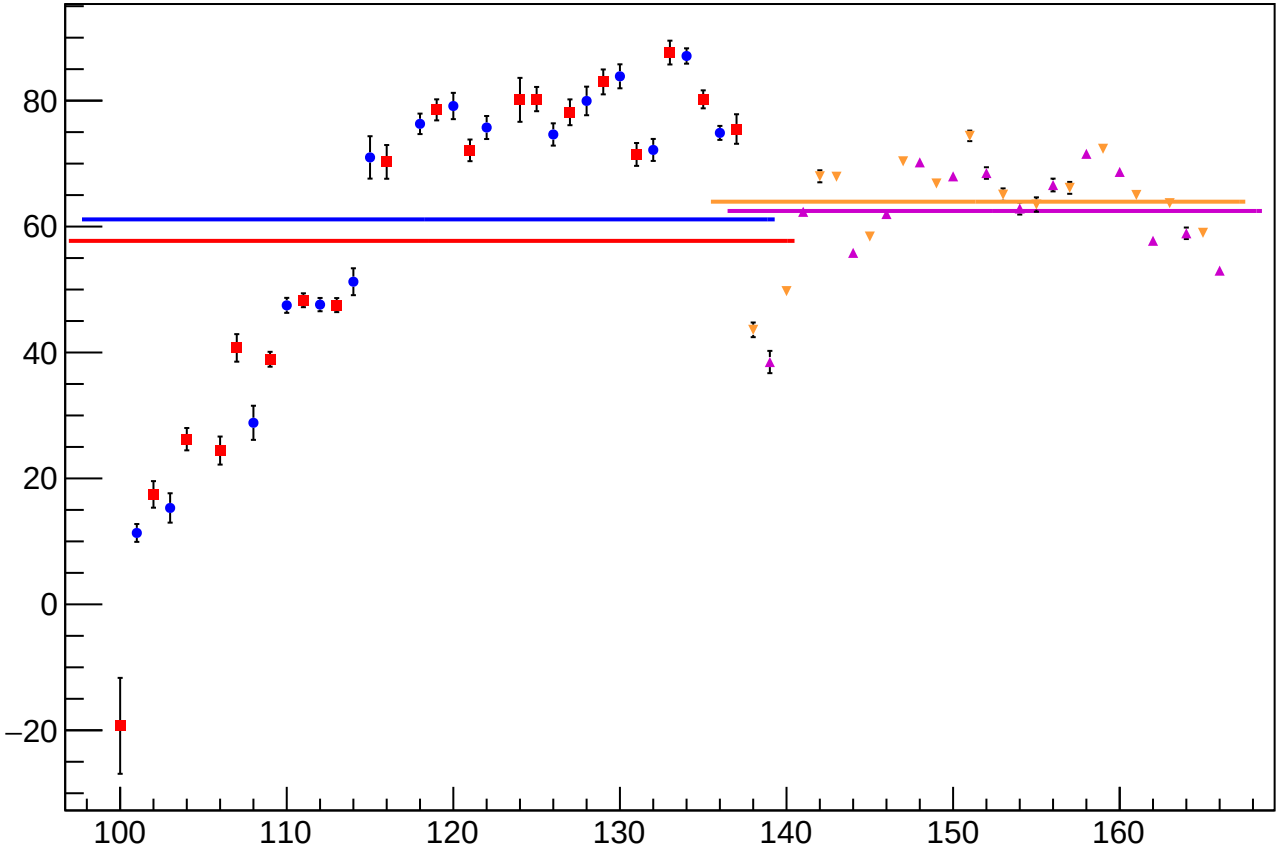
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -71.873+/-0.203 χ^2/NDF:6388.5/29

Out: -73.722+/-0.204 χ^2/NDF:3895.3/33

All: -72.793+/-0.144 χ^2/NDF: 10325.0/63

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.953+/-0.207 χ^2/NDF:1236.0/14

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 62.478+/-0.204 χ^2/NDF:993.1/13

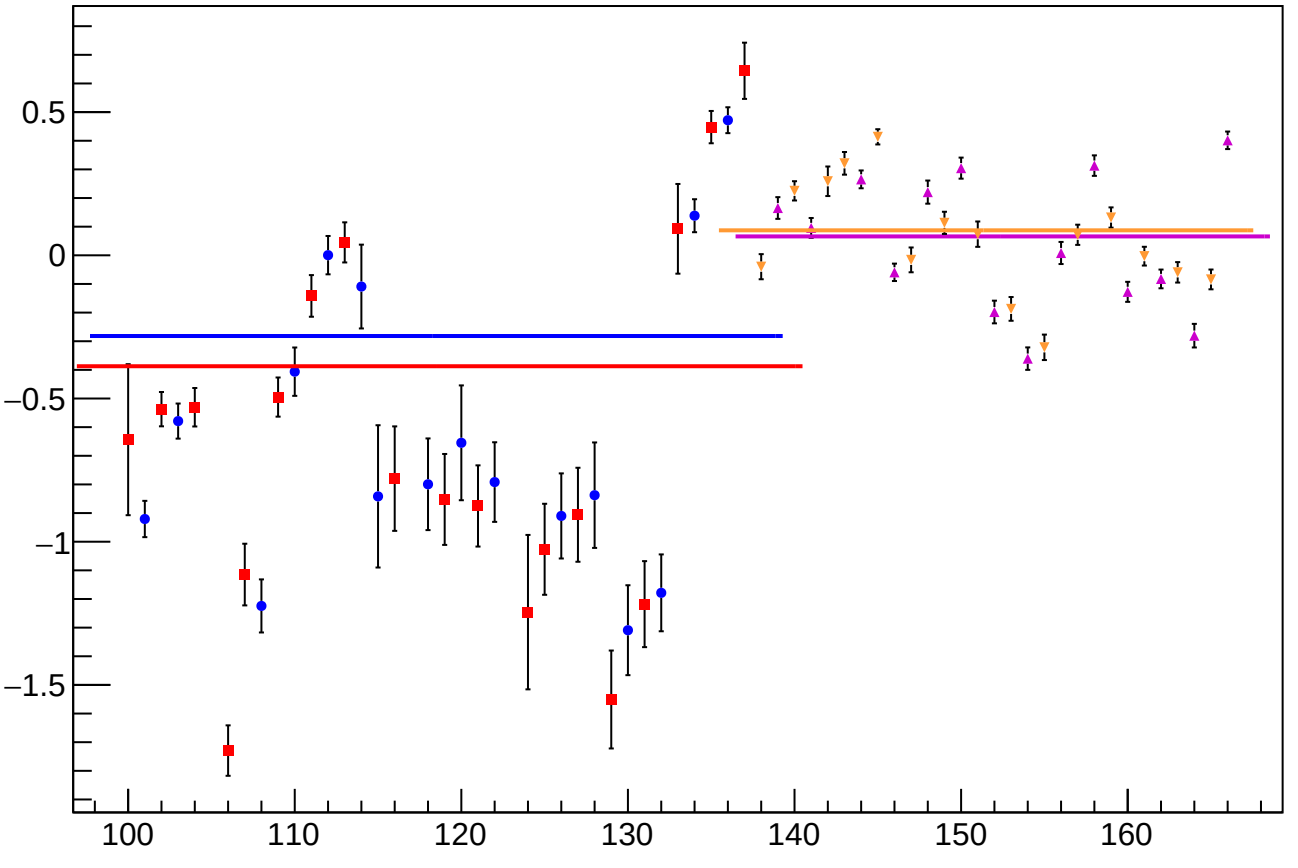
Left: 63.203+/-0.145 χ^2/NDF: 2254.9/28

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.203+/-0.182 χ^2/NDF:4231.2/29

Out: 62.638+/-0.184 χ^2/NDF:4202.6/33

All: 62.417+/-0.129 χ^2/NDF: 8436.7/63



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.087+/-0.010 χ^2/NDF:407.0/14

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.066+/-0.009 χ^2/NDF:577.3/13

Left: 0.076+/-0.007 χ^2/NDF: 986.7/28

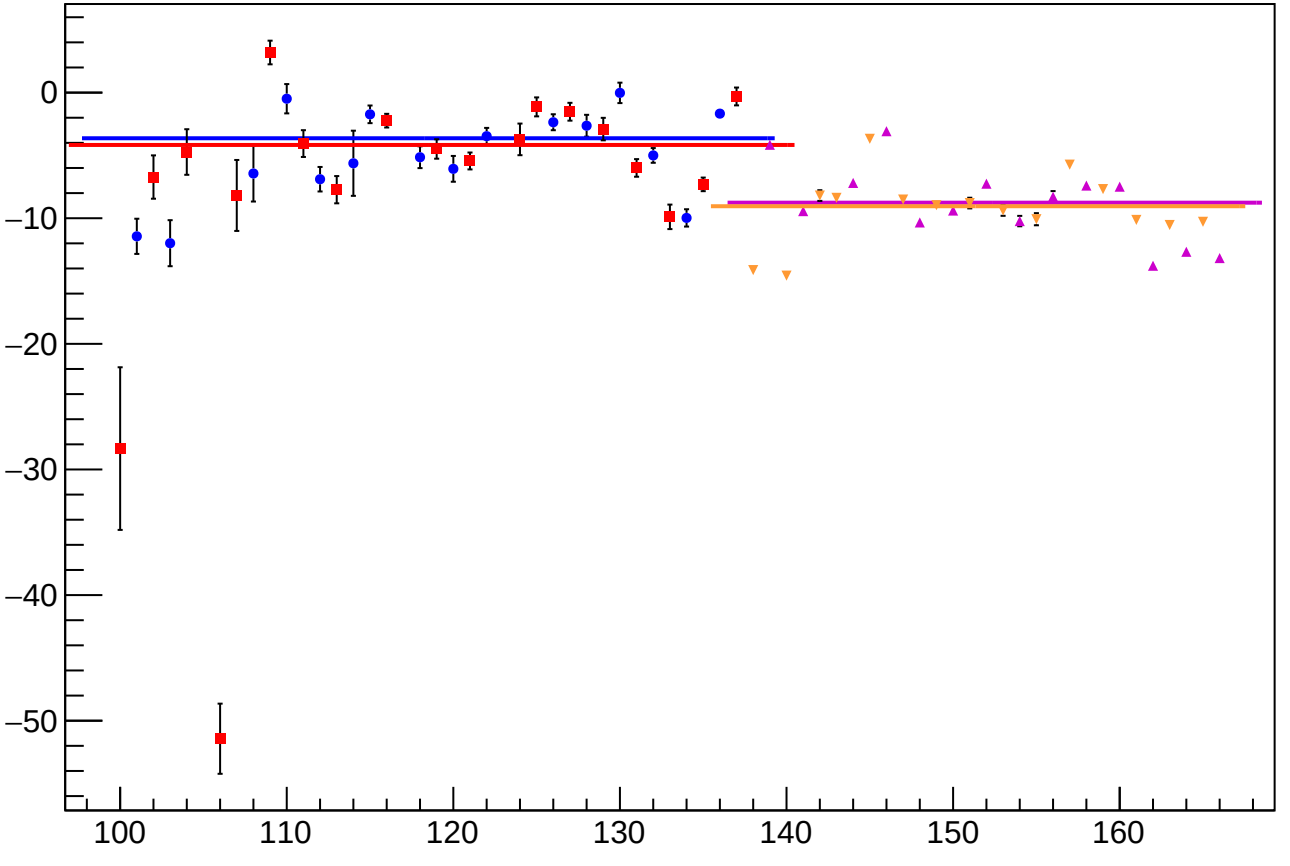
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.010+/-0.009 χ^2/NDF:1522.3/29

Out: 0.010+/-0.009 χ^2/NDF:1619.0/33

All: 0.010+/-0.006 χ^2/NDF: 3141.3/63

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.045+/-0.086 χ^2/NDF:1413.0/14

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.762+/-0.083 χ^2/NDF:1682.3/13

Left: -8.899+/-0.060 χ^2/NDF: 3100.9/28

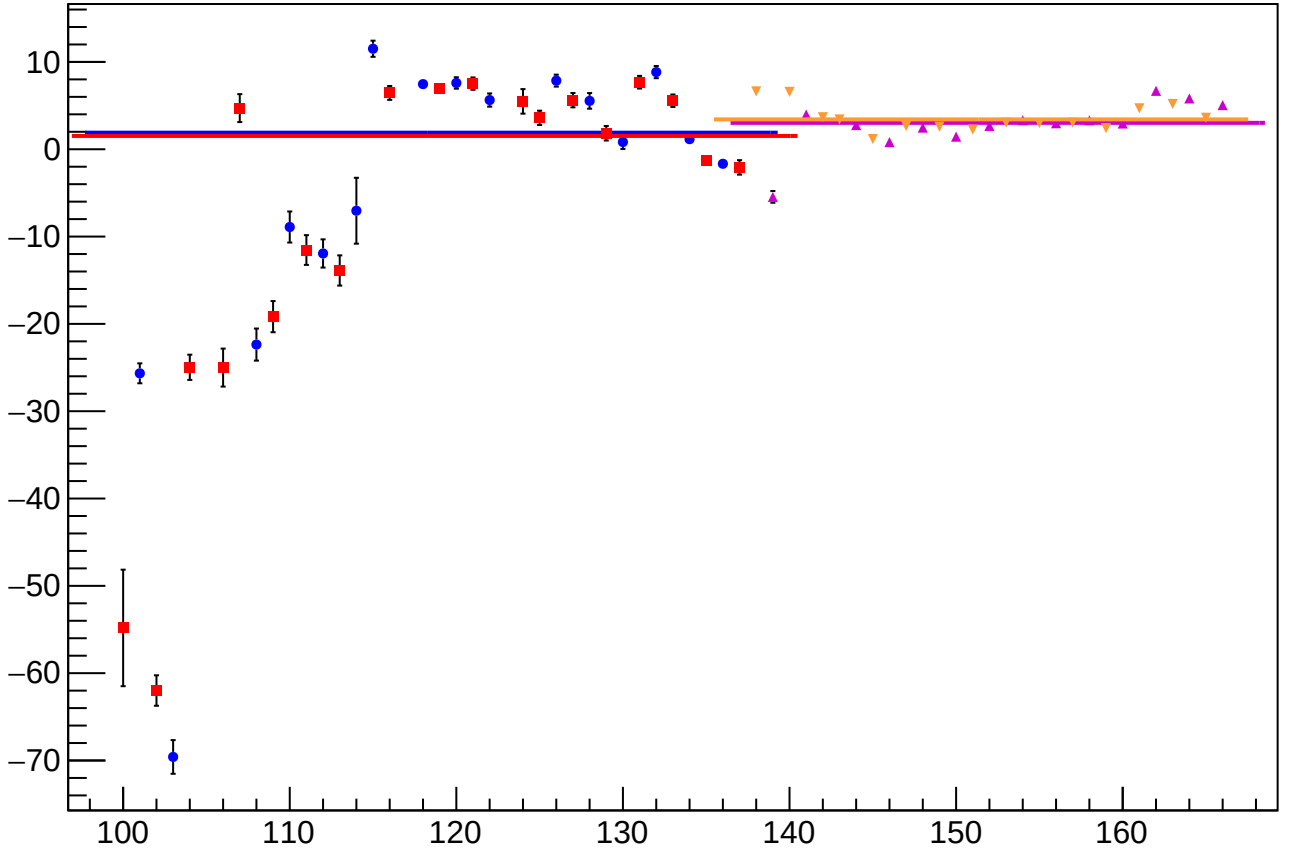
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.929+/-0.076 χ^2/NDF:2533.5/29

Out: -8.283+/-0.079 χ^2/NDF:2447.4/33

All: -8.100+/-0.055 χ^2/NDF: 4991.3/63

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.417+/-0.060 χ^2/NDF:636.8/14

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.024+/-0.058 χ^2/NDF:990.6/13

Left: 3.214+/-0.042 χ^2/NDF: 1649.6/28

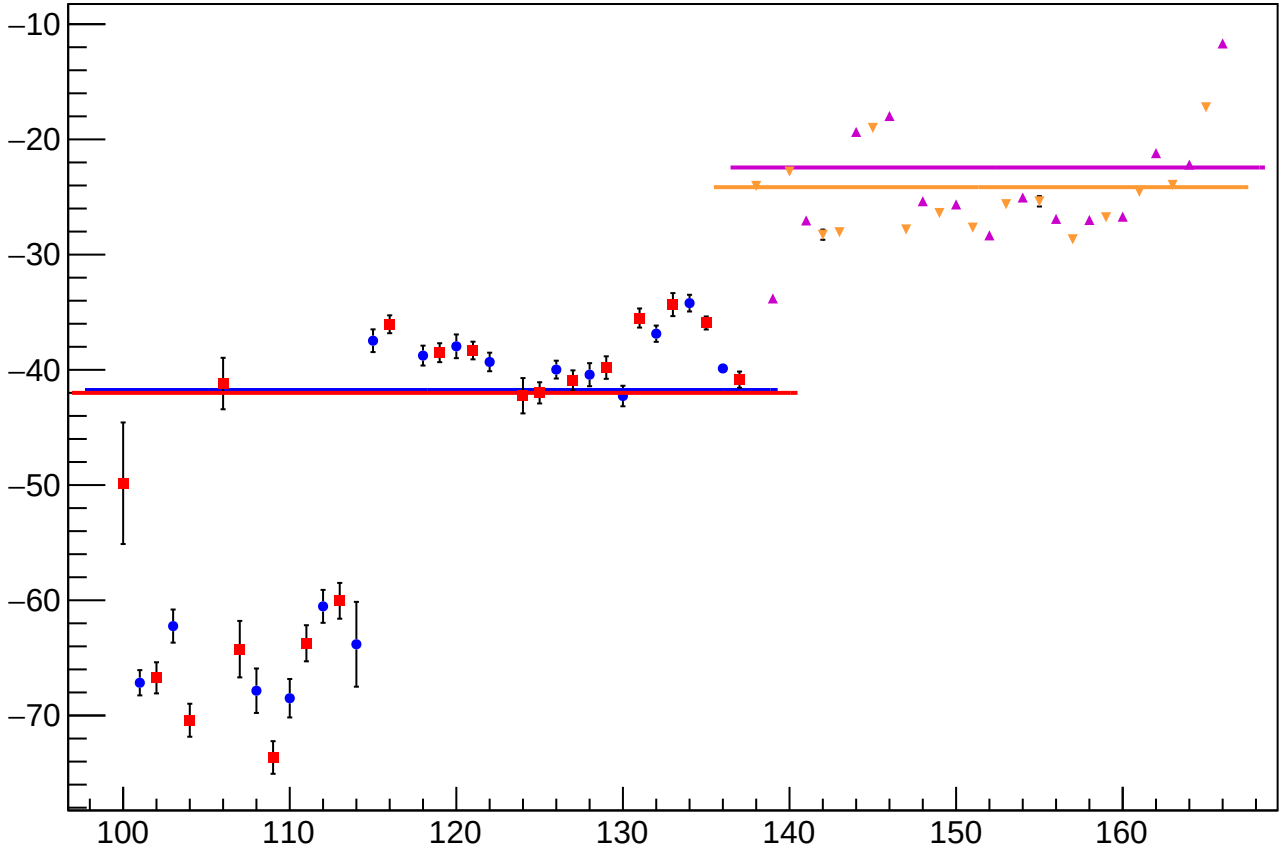
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.927+/-0.055 χ^2/NDF:3861.2/29

Out: 3.273+/-0.058 χ^2/NDF:3272.8/33

All: 3.093+/-0.040 χ^2/NDF: 7152.7/63

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.145+/-0.084 χ^2/NDF:1845.9/14

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.438+/-0.081 χ^2/NDF:4657.7/13

Left: -23.261+/-0.058 χ^2/NDF: 6716.6/28

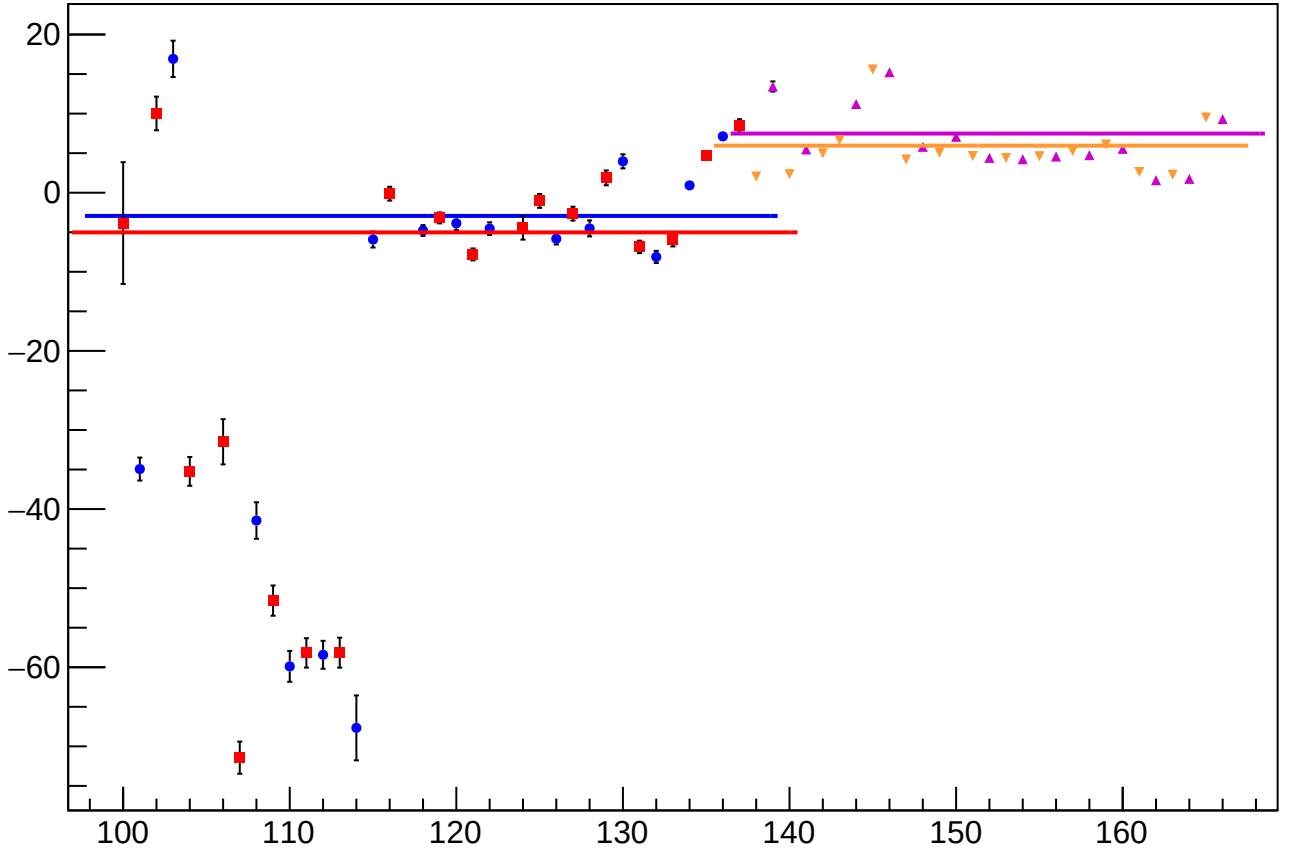
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -25.000+/-0.076 χ^2/NDF:13796.0/29

Out: -26.284+/-0.079 χ^2/NDF:9215.8/33

All: -25.614+/-0.055 χ^2/NDF: 23149.5/63

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.946+/-0.069 χ^2/NDF:3361.9/14

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.476+/-0.067 χ^2/NDF:4159.0/13

Left: 6.736+/-0.048 χ^2/NDF: 7771.4/28

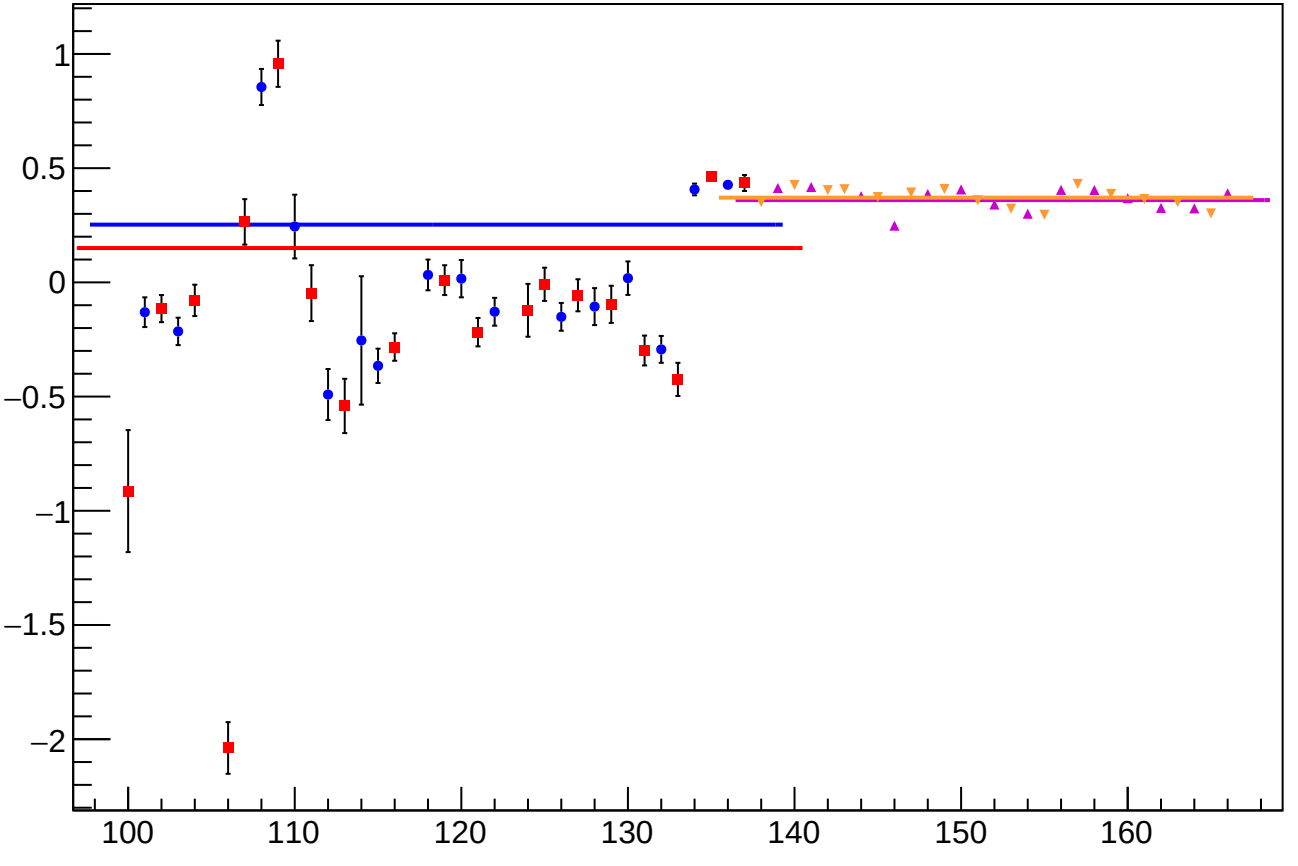
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.505+/-0.064 χ^2/NDF:10121.1/29

Out: 5.043+/-0.067 χ^2/NDF:9792.1/33

All: 5.802+/-0.046 χ^2/NDF: 20163.9/63

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.371+/-0.003 χ^2/NDF:154.1/14

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.360+/-0.003 χ^2/NDF:269.0/13

Left: 0.365+/-0.002 χ^2/NDF: 428.7/28

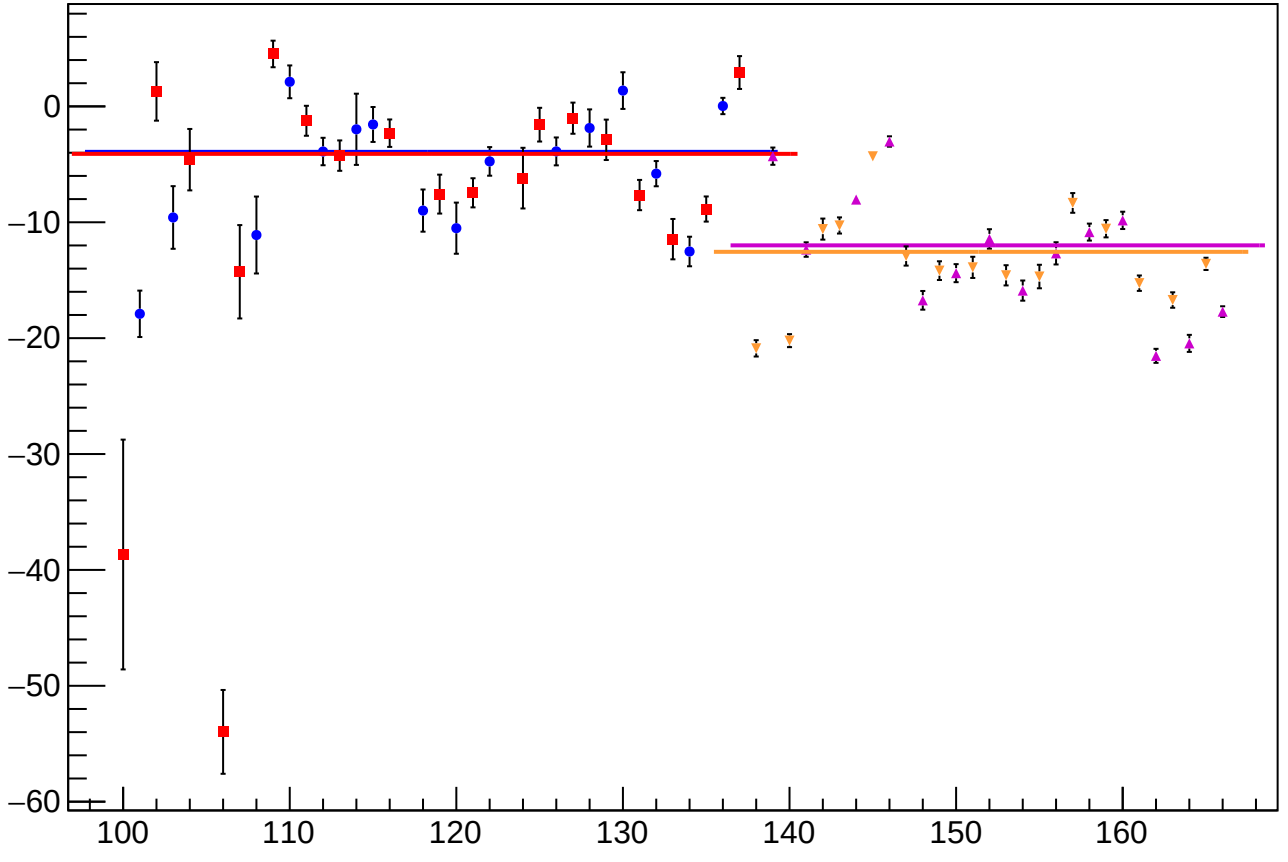
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.353+/-0.003 χ^2/NDF:981.4/29

Out: 0.359+/-0.003 χ^2/NDF:1429.9/33

All: 0.356+/-0.002 χ^2/NDF: 2413.3/63

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.550+/-0.175 χ^2/NDF:886.3/14

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.992+/-0.170 χ^2/NDF:1202.9/13

Left: -12.263+/-0.122 χ^2/NDF: 2094.5/28

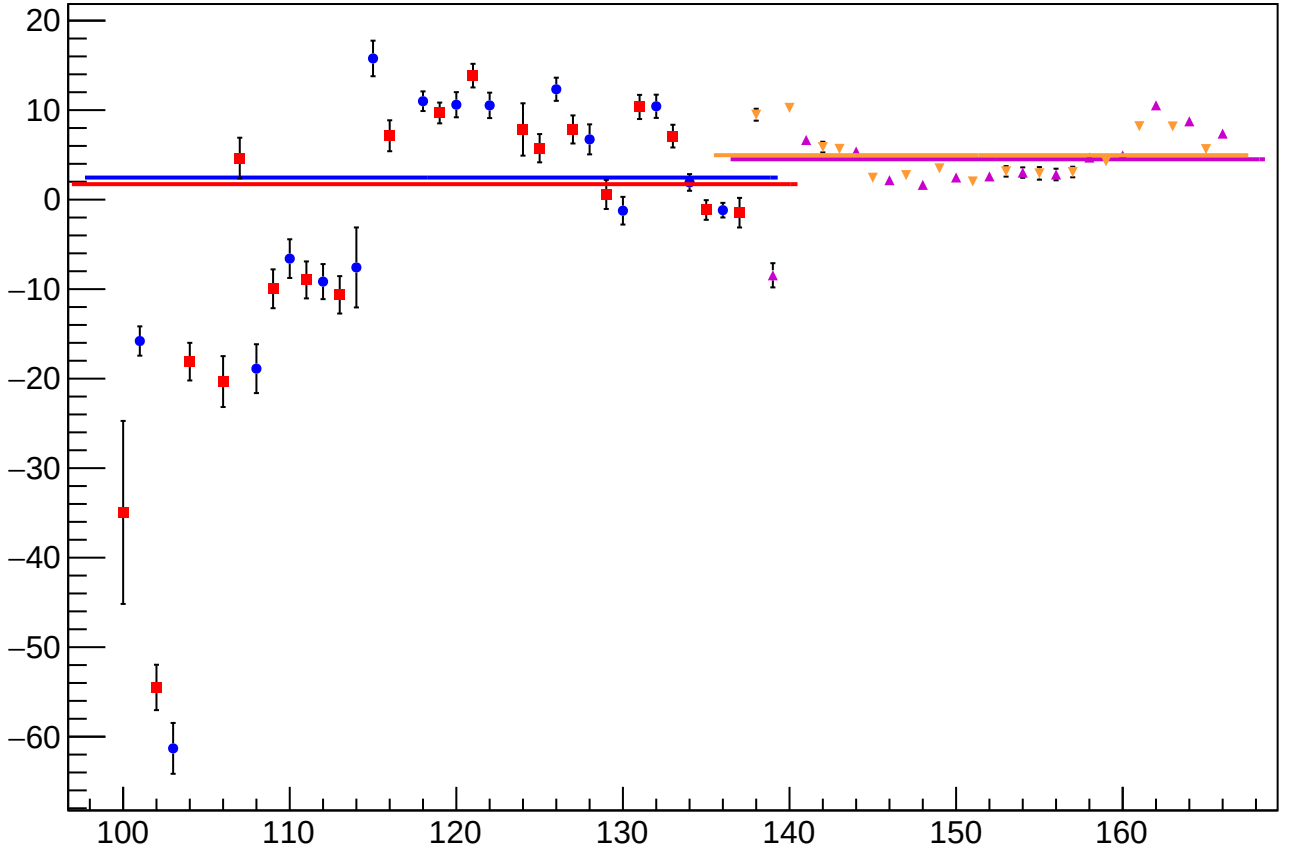
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -10.427+/-0.152 χ^2/NDF:1829.9/29

Out: -10.911+/-0.157 χ^2/NDF:1705.7/33

All: -10.661+/-0.109 χ^2/NDF: 3540.5/63

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.965+/-0.124 χ^2/NDF:452.3/14

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.509+/-0.118 χ^2/NDF:579.4/13

Left: 4.727+/-0.085 χ^2/NDF: 1038.9/28

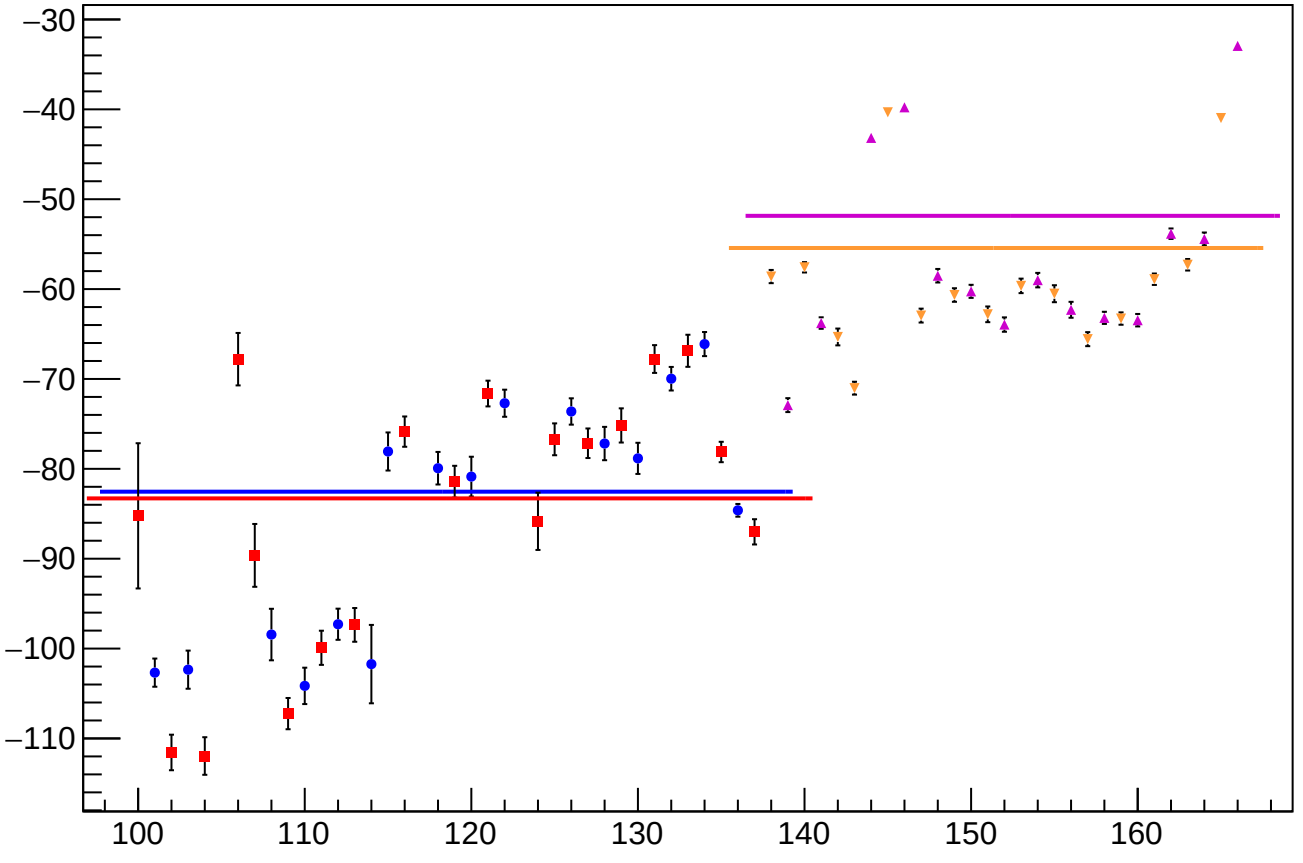
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.306+/-0.112 χ^2/NDF:1655.8/29

Out: 4.664+/-0.118 χ^2/NDF:1499.2/33

All: 4.477+/-0.081 χ^2/NDF: 3159.8/63

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.428+/-0.172 χ^2/NDF:3363.8/14

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -51.848+/-0.166 χ^2/NDF:5119.0/13

Left: -53.571+/-0.120 χ^2/NDF: 8706.4/28

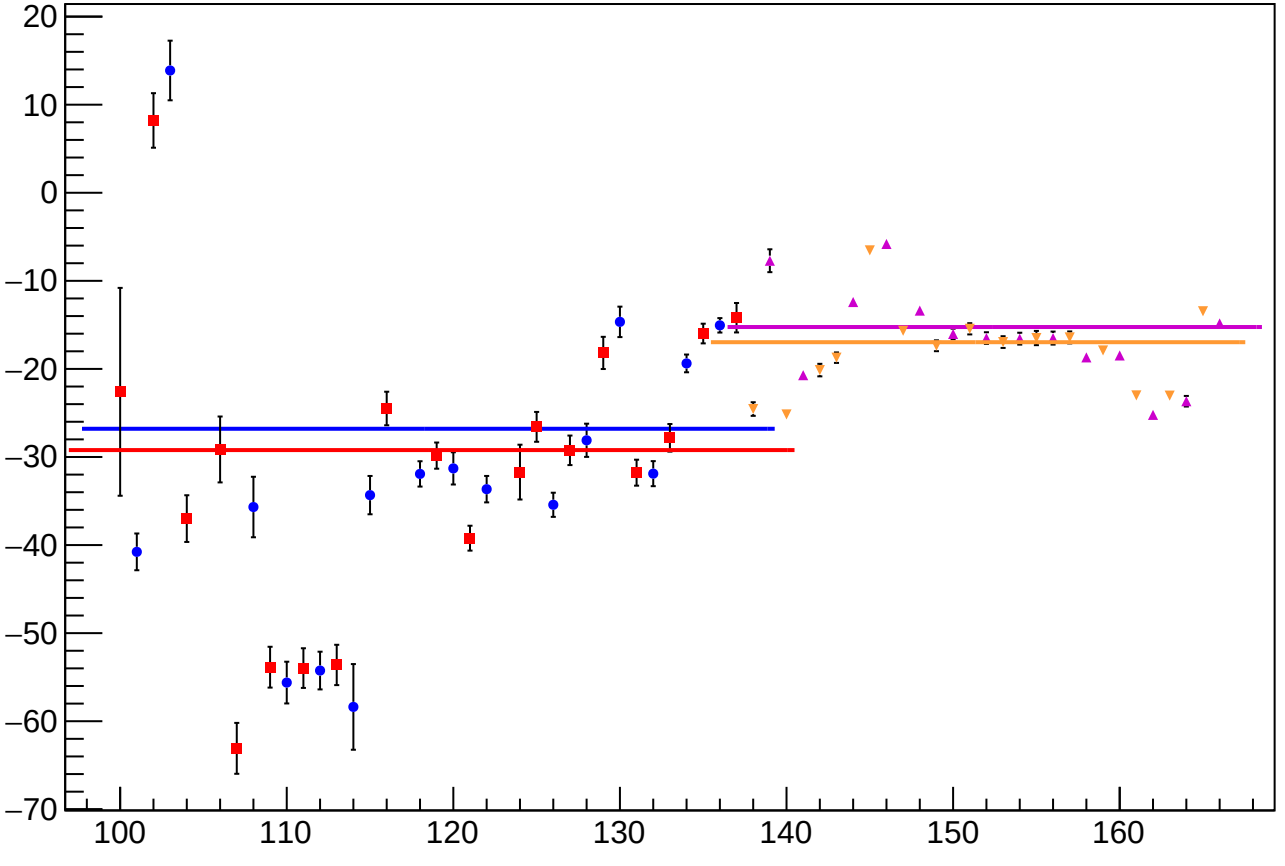
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -56.675+/-0.152 χ^2/NDF:11333.3/29

Out: -59.539+/-0.159 χ^2/NDF:8312.5/33

All: -58.045+/-0.110 χ^2/NDF: 19814.8/63

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.967+/-0.143 χ^2/NDF:1539.3/14

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.243+/-0.137 χ^2/NDF:1733.1/13

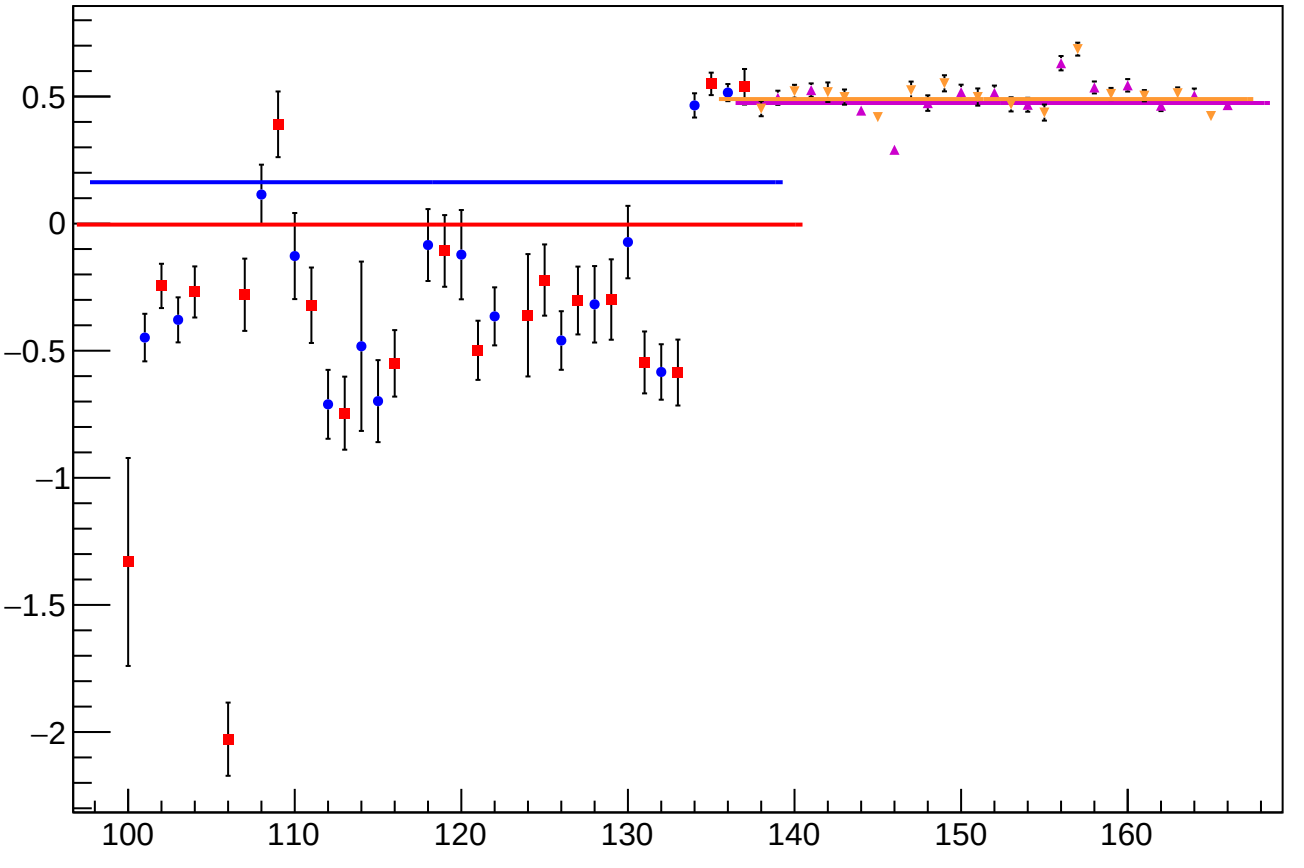
Left: -16.072+/-0.099 χ^2/NDF: 3348.1/28

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.486+/-0.130 χ^2/NDF:3457.7/29

Out: -18.176+/-0.135 χ^2/NDF:3227.6/33

All: -17.295+/-0.094 χ^2/NDF: 6766.4/63



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.490+/-0.007 χ^2/NDF:104.7/14

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.474+/-0.006 χ^2/NDF:154.5/13

Left: 0.482+/-0.005 χ^2/NDF: 262.0/28

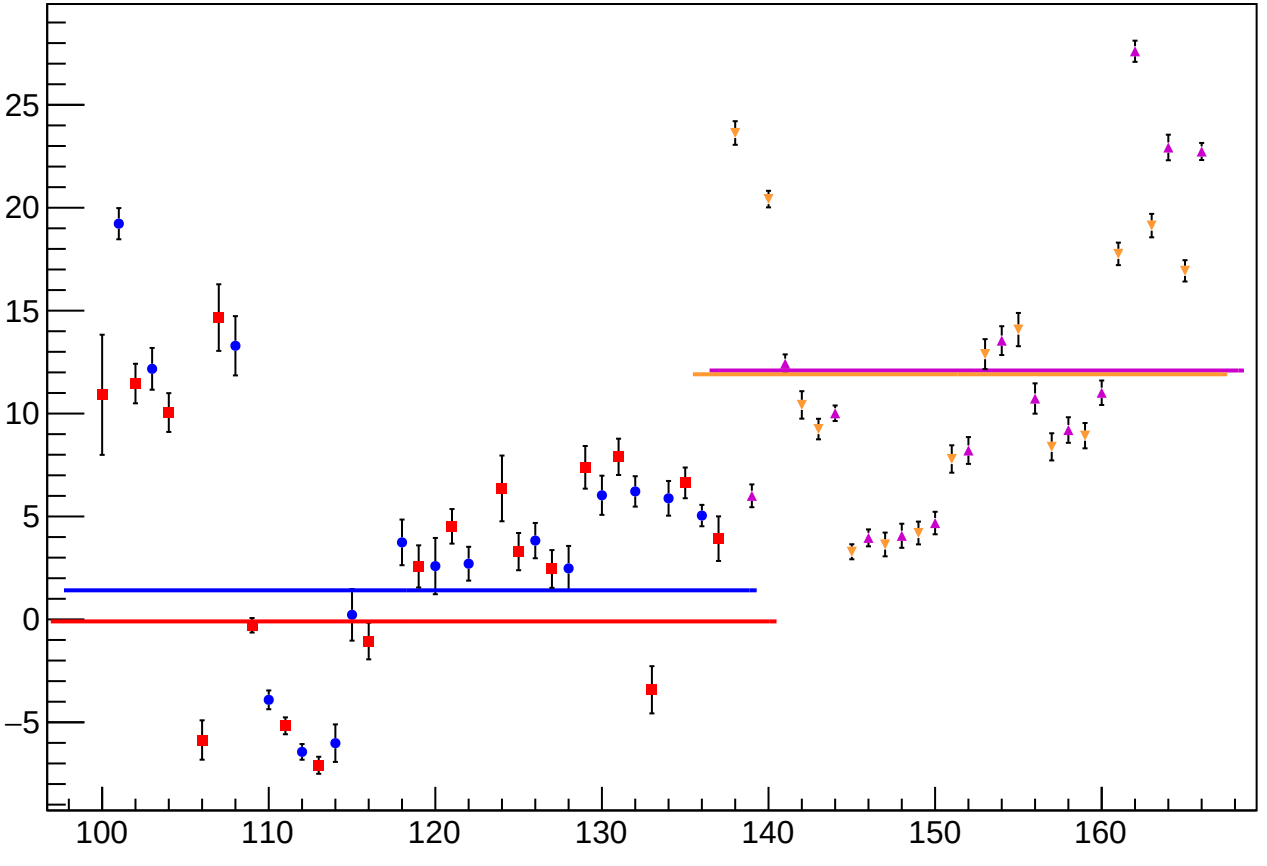
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.449+/-0.006 χ^2/NDF:771.5/29

Out: 0.457+/-0.006 χ^2/NDF:1059.7/33

All: 0.452+/-0.004 χ^2/NDF: 1832.1/63

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 11.909+/-0.141 χ^2/NDF:2322.0/14

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 12.092+/-0.140 χ^2/NDF:2850.4/13

Left: 12.002+/-0.099 χ^2/NDF: 5173.3/28

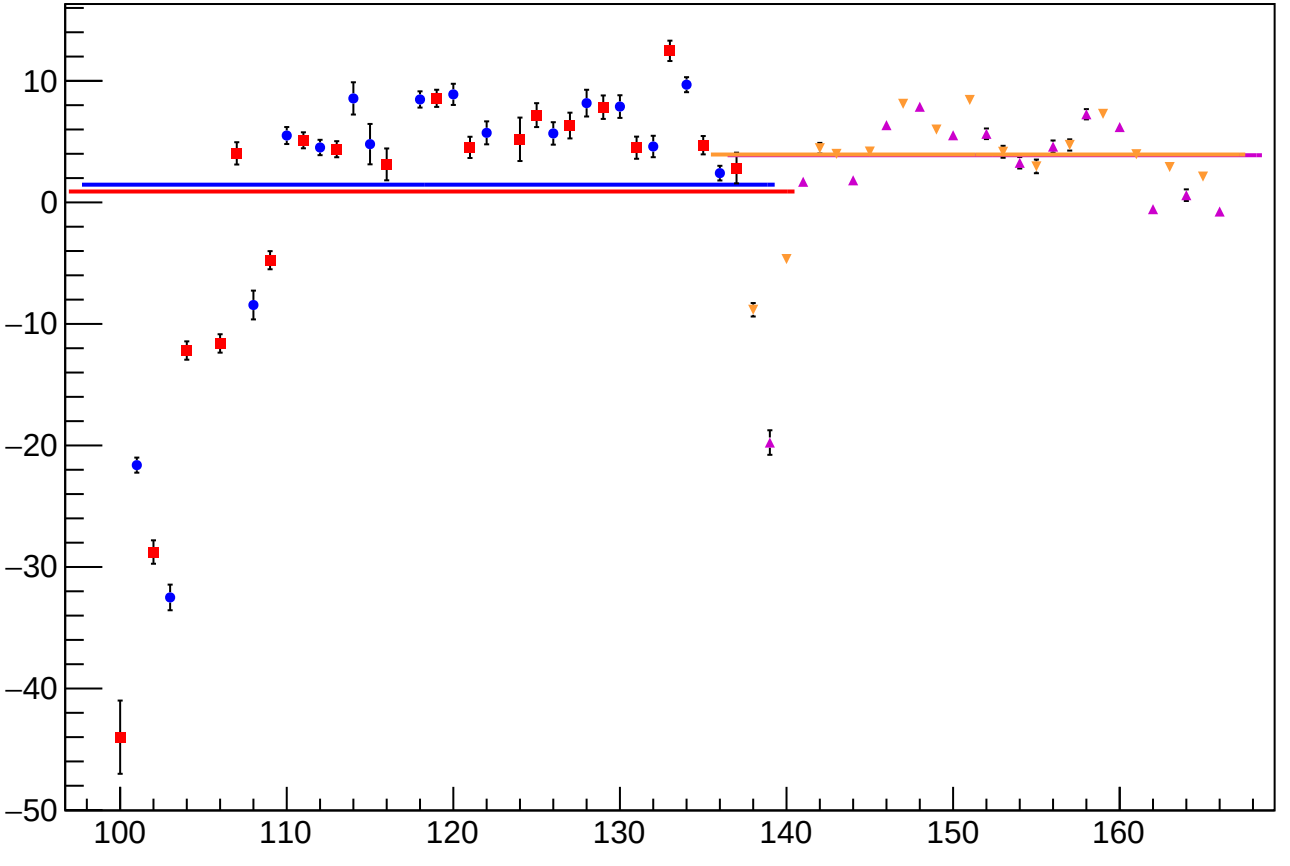
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 8.159+/-0.111 χ^2/NDF:6522.1/29

Out: 6.906+/-0.108 χ^2/NDF:6470.6/33

All: 7.515+/-0.077 χ^2/NDF: 13058.1/63

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.940+/-0.098 χ^2/NDF:1733.8/14

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.881+/-0.097 χ^2/NDF:1444.5/13

Left: 3.910+/-0.069 χ^2/NDF: 3178.5/28

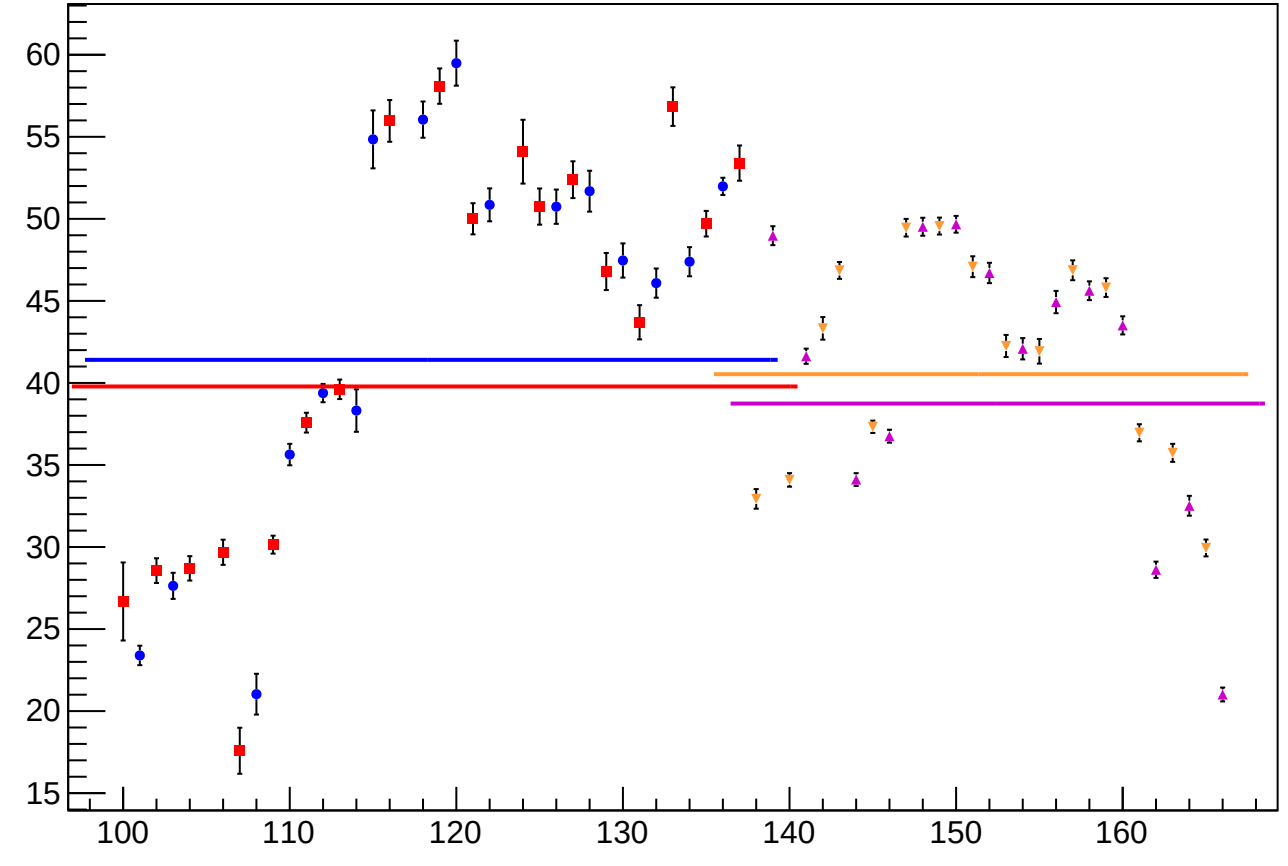
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.431+/-0.088 χ^2/NDF:4640.2/29

Out: 3.357+/-0.088 χ^2/NDF:4294.4/33

All: 3.394+/-0.062 χ^2/NDF: 8934.9/63

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 40.533+/-0.139 χ^2/NDF:2082.4/14

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 38.742+/-0.136 χ^2/NDF:4134.9/13

Left: 39.622+/-0.097 χ^2/NDF: 6301.8/28

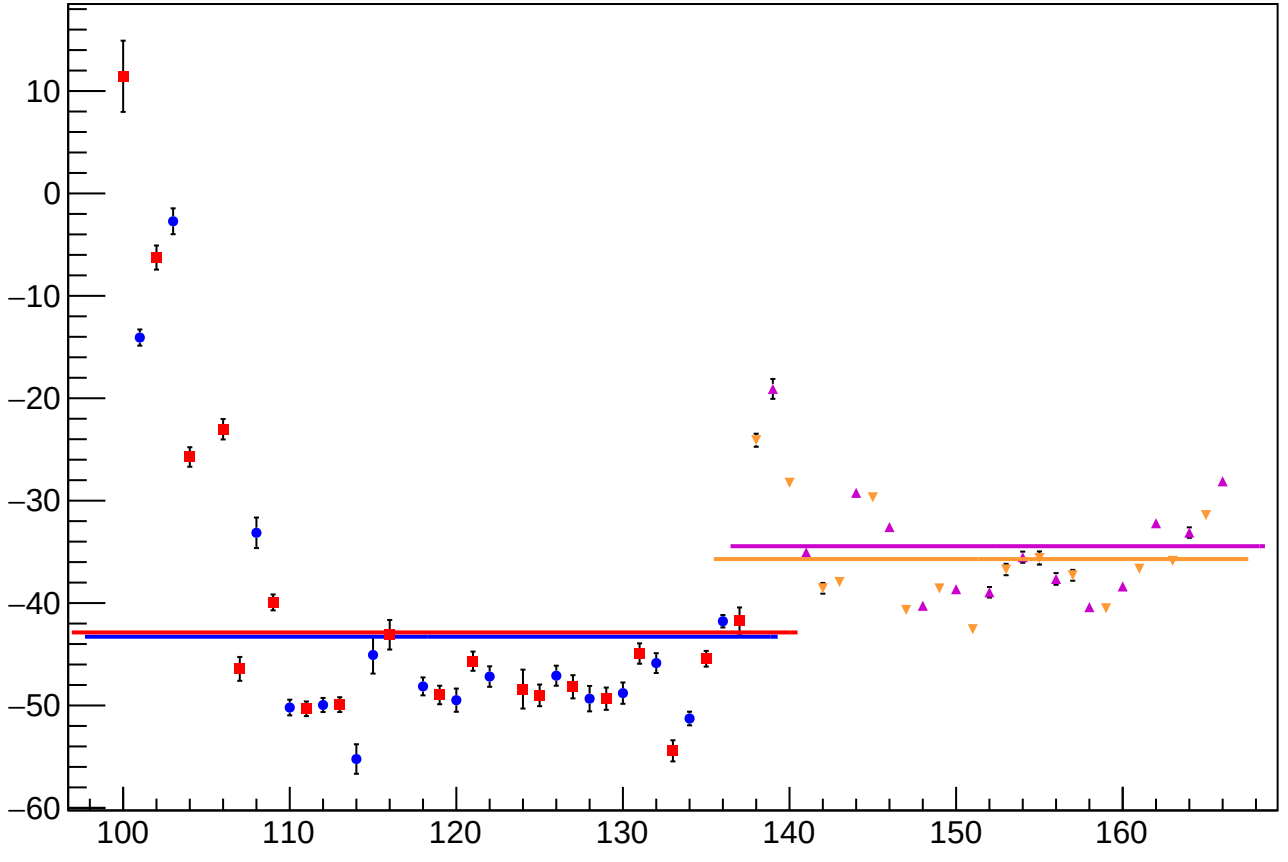
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 39.530+/-0.115 χ^2/NDF:6993.6/29

Out: 40.294+/-0.115 χ^2/NDF:4745.5/33

All: 39.912+/-0.081 χ^2/NDF: 11761.3/63

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.702+/-0.115 χ^2/NDF:1726.8/14

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -34.447+/-0.113 χ^2/NDF:1570.0/13

Left: -35.066+/-0.081 χ^2/NDF: 3357.3/28

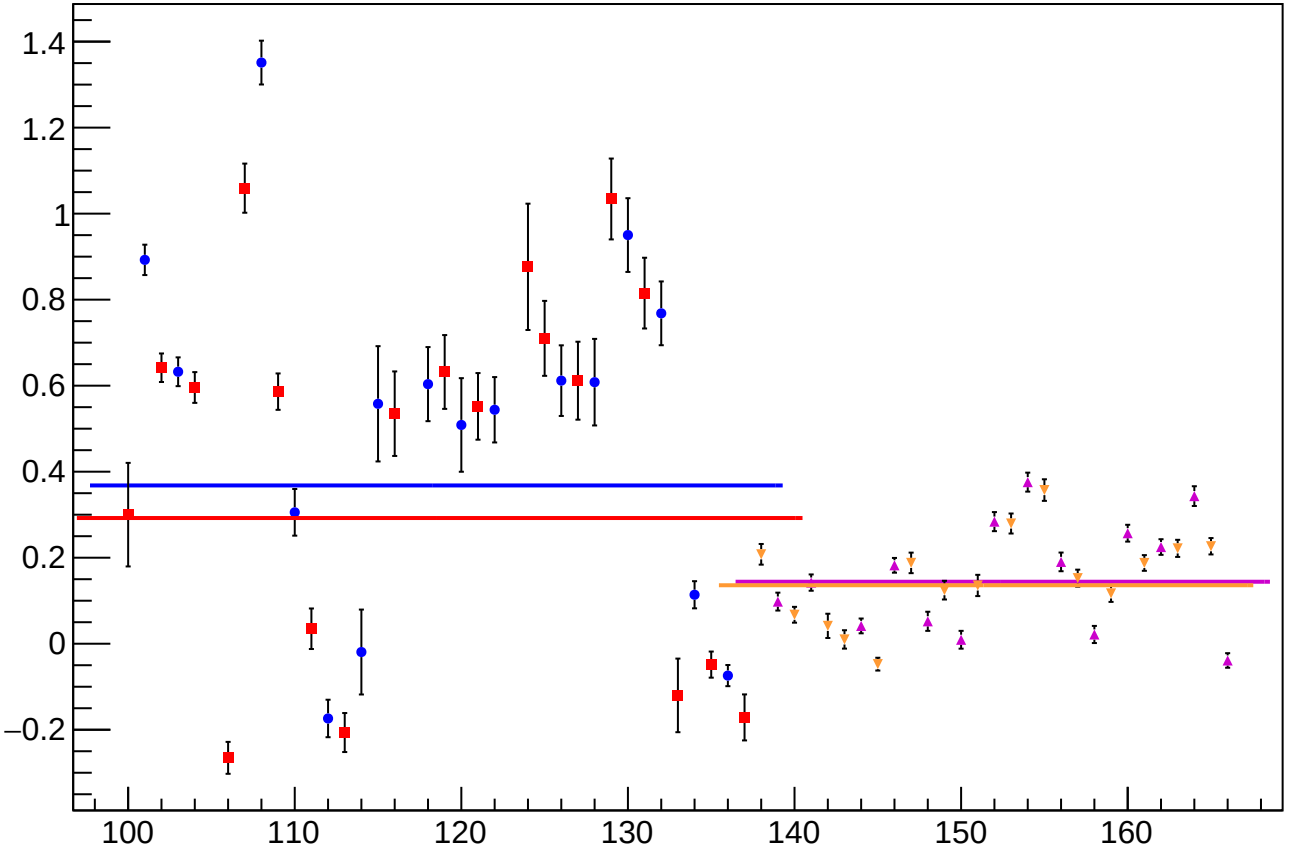
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.180+/-0.102 χ^2/NDF:5749.2/29

Out: -37.142+/-0.103 χ^2/NDF:4963.1/33

All: -36.656+/-0.072 χ^2/NDF: 10756.6/63

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.136+/-0.005 χ^2/NDF:392.1/14

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.144+/-0.005 χ^2/NDF:542.5/13

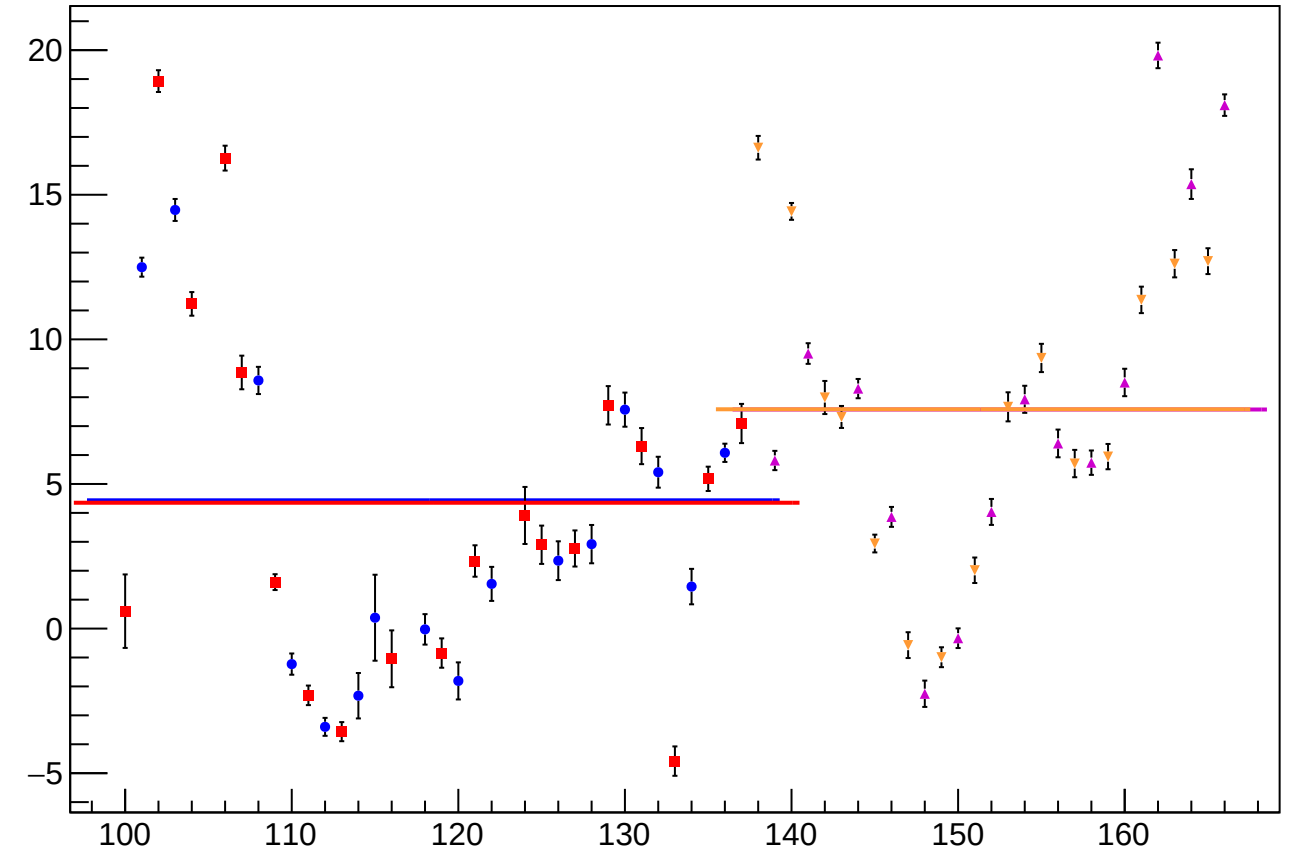
Left: 0.140+/-0.004 χ^2/NDF: 935.8/28

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

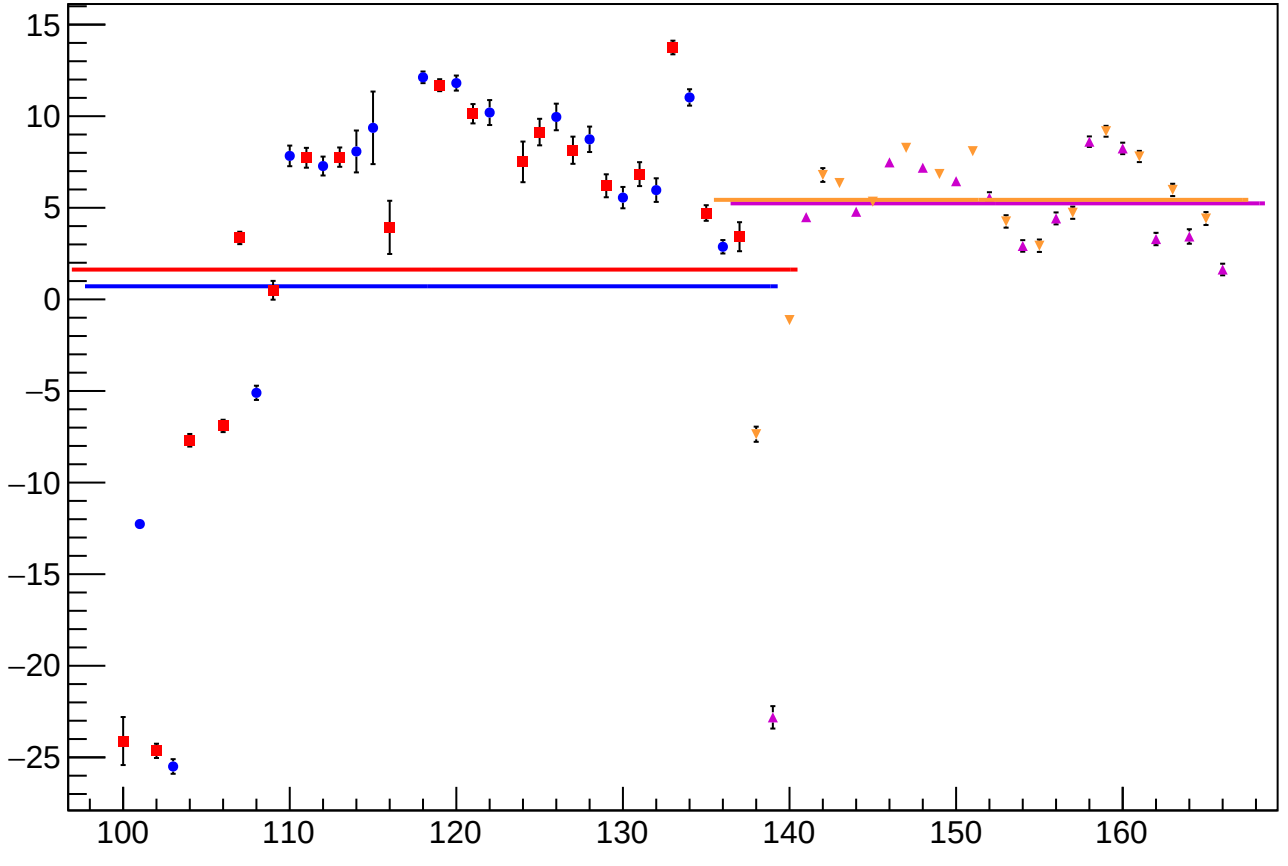
In: 0.179+/-0.005 χ^2/NDF:2147.2/29

Out: 0.161+/-0.005 χ^2/NDF:1730.8/33

All: 0.170+/-0.003 χ^2/NDF: 3884.8/63


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 4.435+/-0.117 χ²/NDF: 2622.0/15
Left Out: 7.583+/-0.106 χ²/NDF:2739.9/14
Right Out: 4.351+/-0.109 χ²/NDF: 4205.3/18
Left In: 7.575+/-0.107 χ²/NDF:3077.0/13
Left: 7.579+/-0.075 χ²/NDF: 5816.9/28
Right: 4.390+/-0.080 χ²/NDF: 6827.6/34
In: 6.149+/-0.079 χ²/NDF:6092.4/29
Out: 6.014+/-0.076 χ²/NDF:7396.7/33
All: 6.079+/-0.055 χ²/NDF: 13490.6/63

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.434+/-0.074 χ^2/NDF:2343.3/14

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.241+/-0.076 χ^2/NDF:2808.4/13

Left: 5.340+/-0.053 χ^2/NDF: 5155.0/28

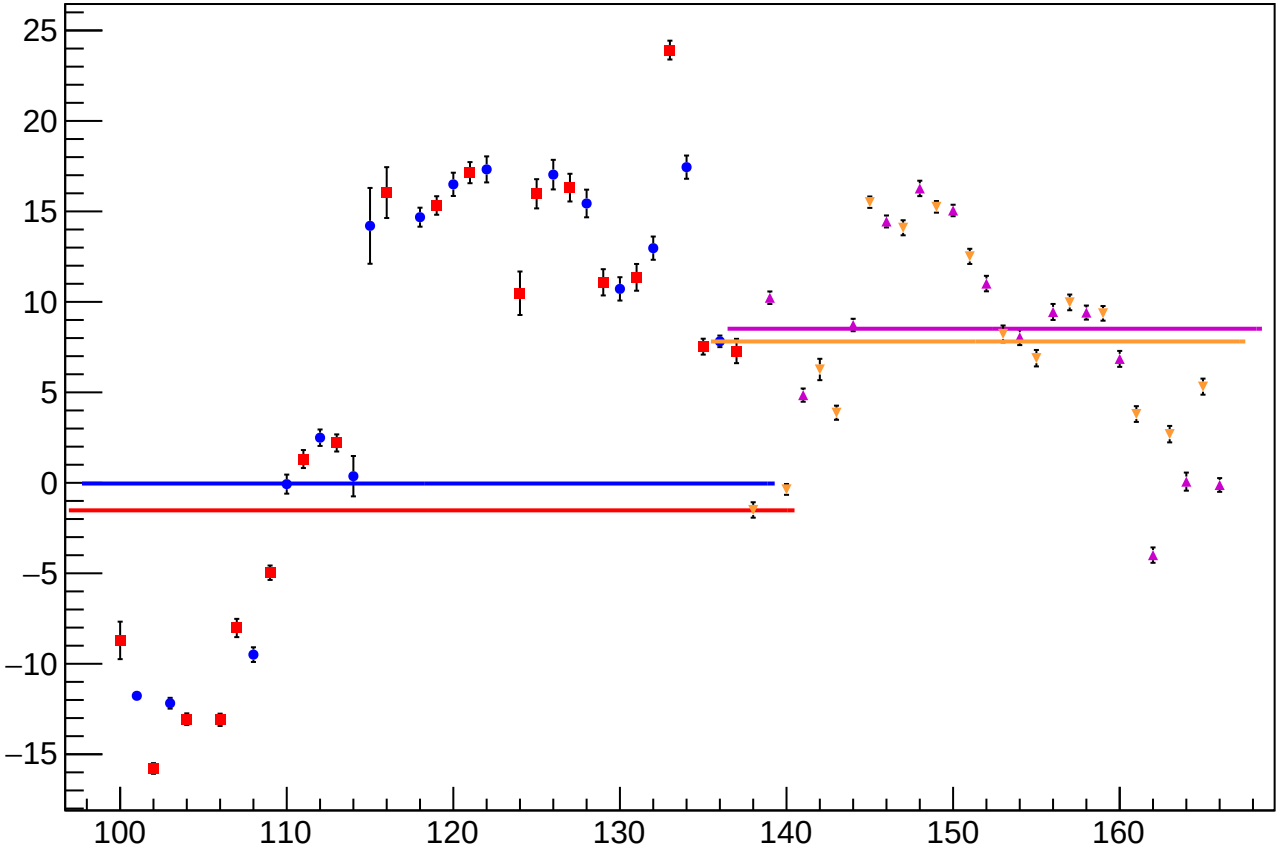
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.884+/-0.063 χ^2/NDF:14330.0/29

Out: 4.266+/-0.061 χ^2/NDF:12413.8/33

All: 4.081+/-0.044 χ^2/NDF: 26762.4/63

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 7.812+/-0.104 χ^2/NDF:3101.3/14

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.516+/-0.104 χ^2/NDF:2931.6/13

Left: 8.163+/-0.073 χ^2/NDF: 6056.1/28

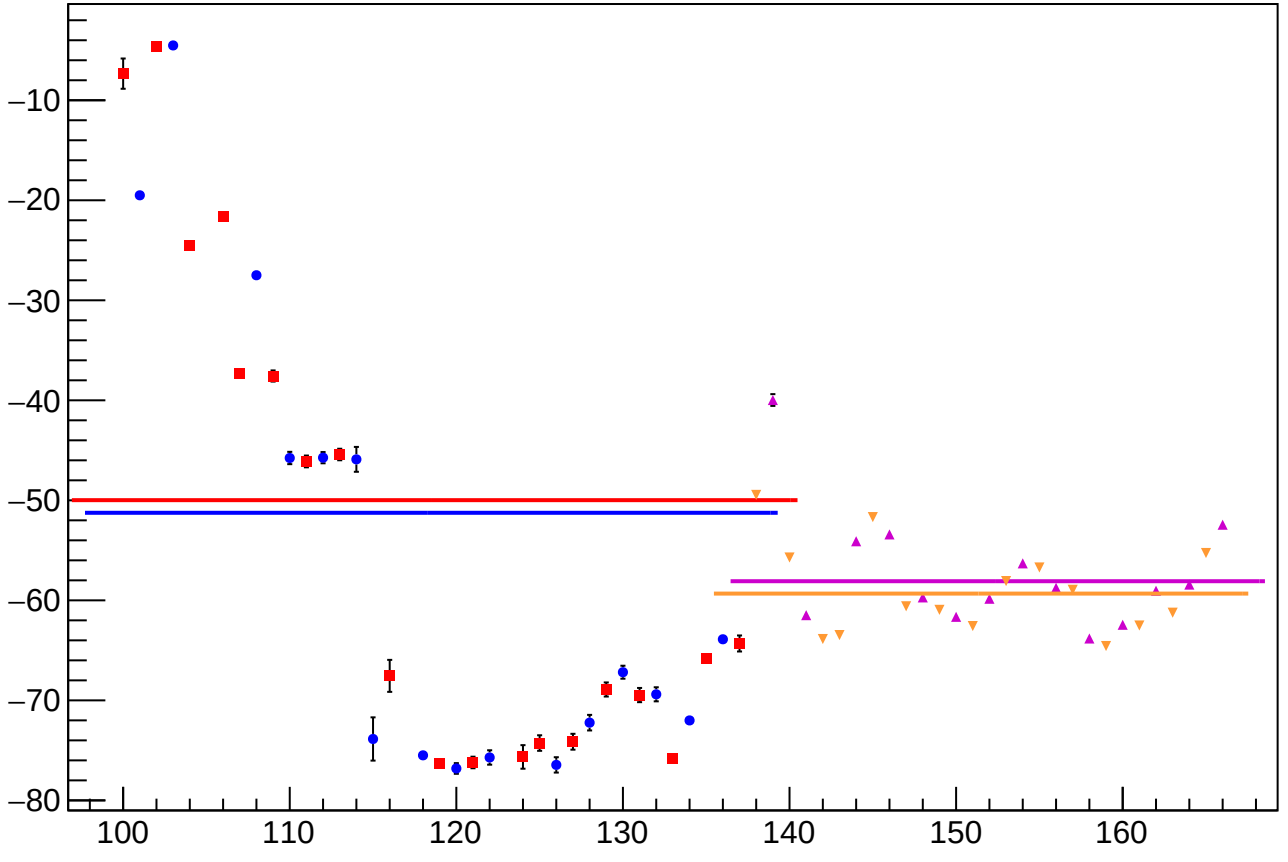
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.836+/-0.078 χ^2/NDF:15132.1/29

Out: 3.637+/-0.077 χ^2/NDF:18866.0/33

All: 4.226+/-0.055 χ^2/NDF: 34117.3/63

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.324+/-0.086 χ^2/NDF:2289.2/14

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.087+/-0.088 χ^2/NDF:2657.6/13

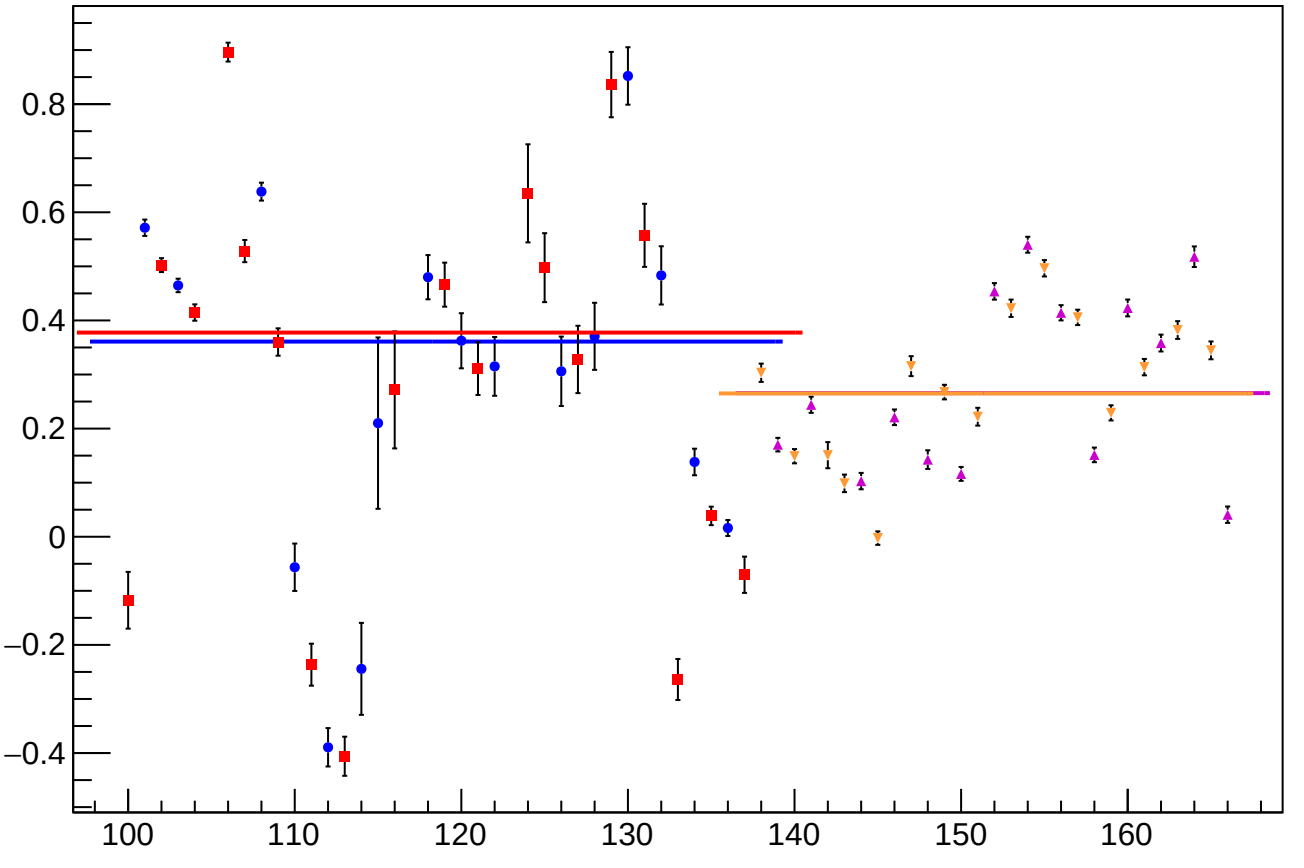
Left: -58.716+/-0.061 χ^2/NDF: 5048.0/28

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.073+/-0.074 χ^2/NDF:38214.6/29

Out: -56.489+/-0.072 χ^2/NDF:39740.3/33

All: -56.286+/-0.051 χ^2/NDF: 77971.2/63



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.265+/-0.004 χ^2/NDF:1204.5/14

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.266+/-0.004 χ^2/NDF:1583.5/13

Left: 0.265+/-0.003 χ^2/NDF: 2788.1/28

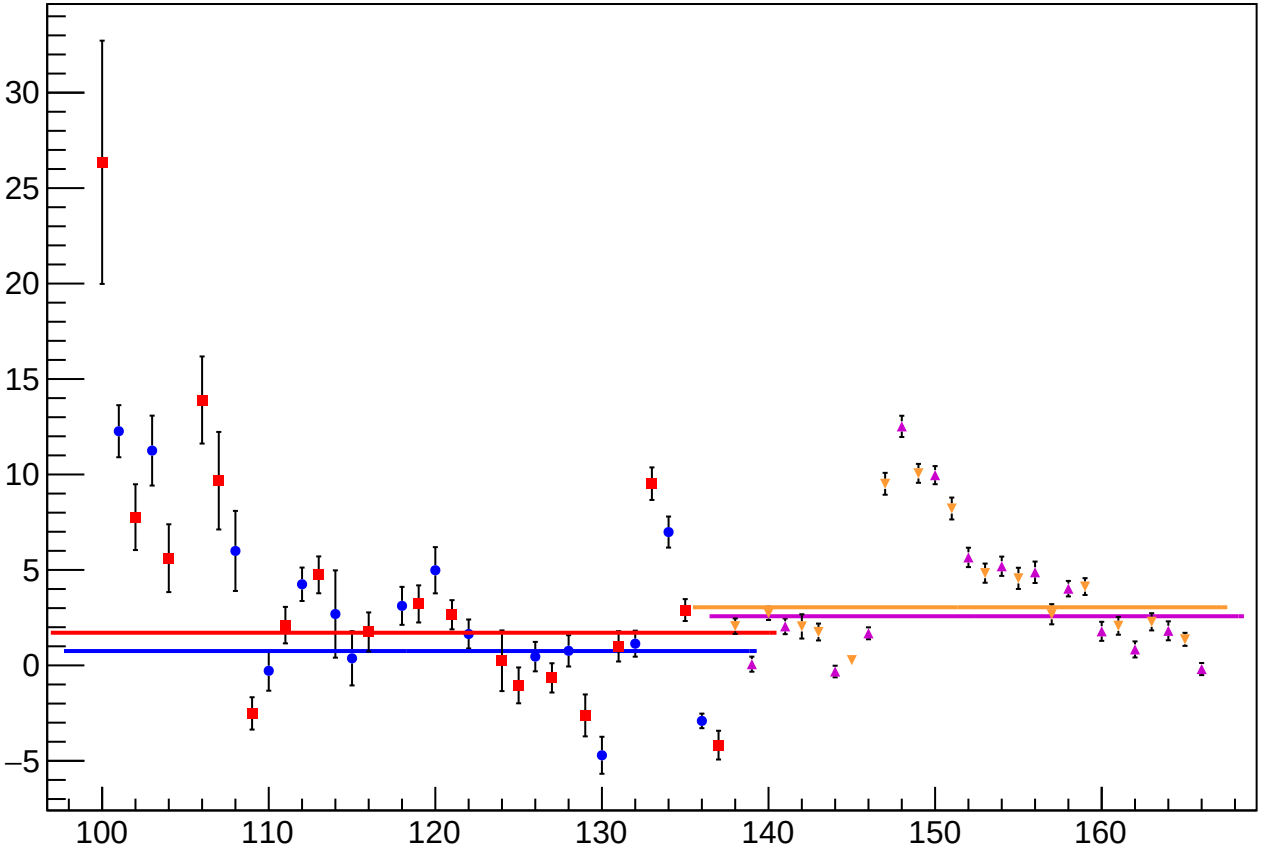
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.292+/-0.003 χ^2/NDF:3605.5/29

Out: 0.298+/-0.003 χ^2/NDF:4233.4/33

All: 0.295+/-0.002 χ^2/NDF: 7840.6/63

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.044+/-0.112 χ^2/NDF:595.4/14

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.574+/-0.111 χ^2/NDF:893.6/13

Left: 2.807+/-0.079 χ^2/NDF: 1497.9/28

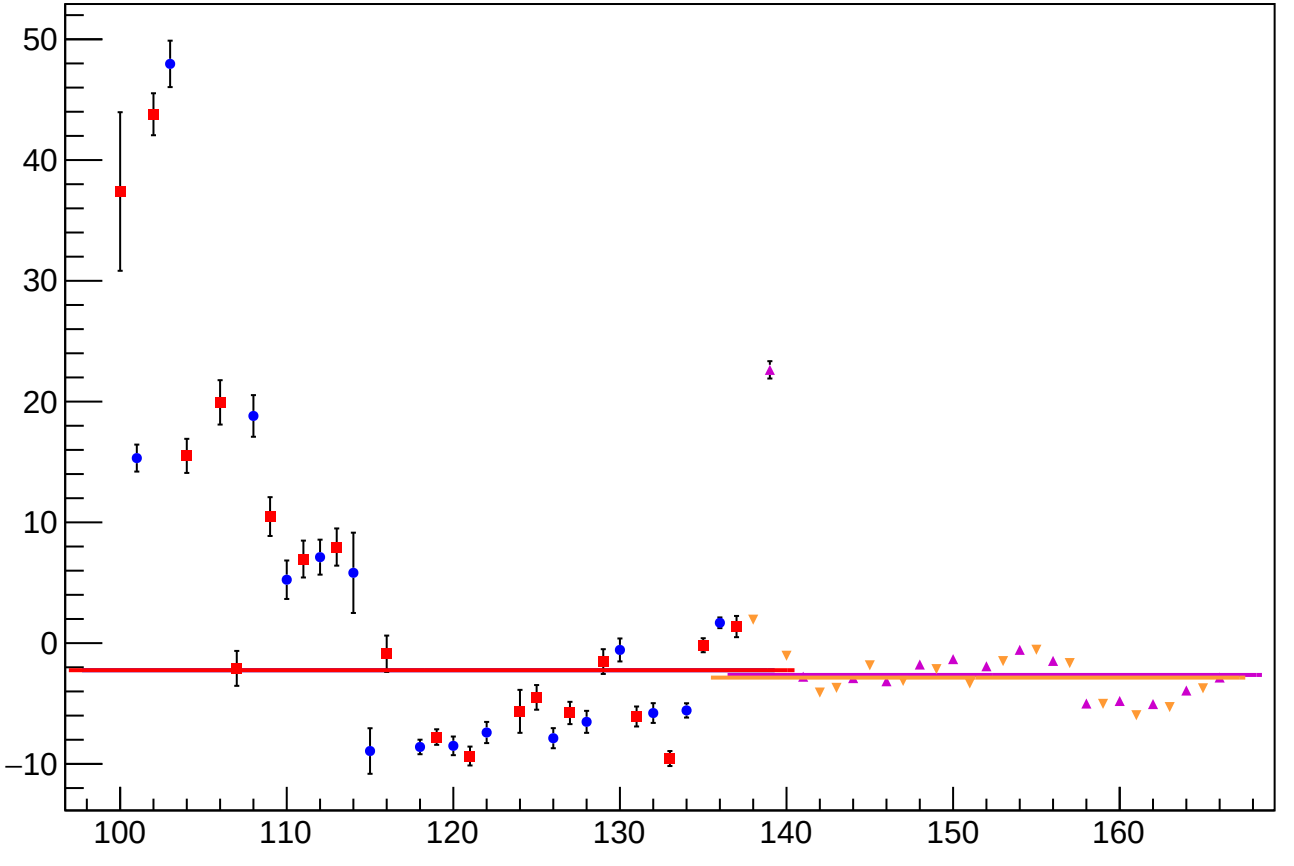
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.185+/-0.098 χ^2/NDF:1281.6/29

Out: 2.777+/-0.100 χ^2/NDF:917.9/33

All: 2.476+/-0.070 χ^2/NDF: 2217.4/63

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.854+/-0.080 χ^2/NDF:517.0/14

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.634+/-0.079 χ^2/NDF:1510.2/13

Left: -2.743+/-0.056 χ^2/NDF: 2031.1/28

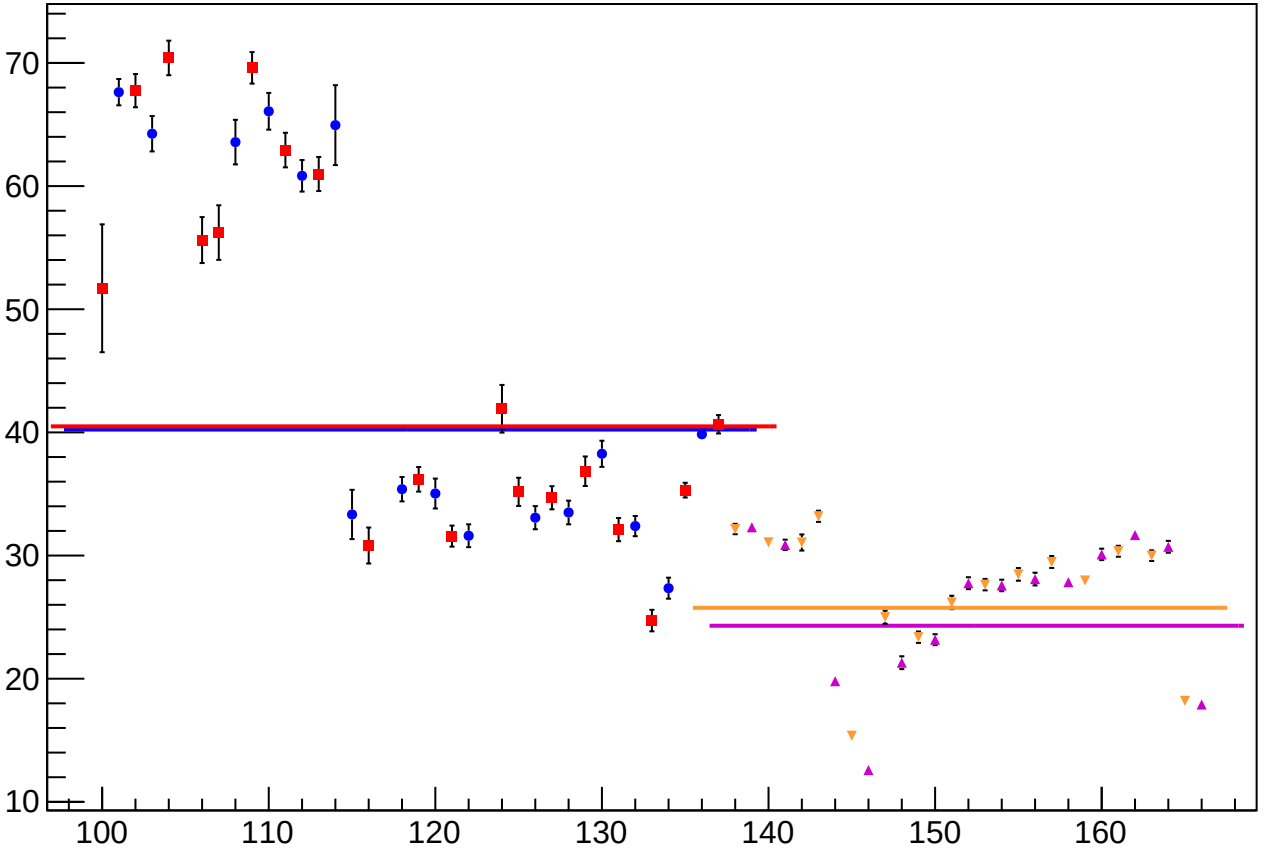
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.588+/-0.074 χ^2/NDF:3085.6/29

Out: -2.788+/-0.075 χ^2/NDF:2079.1/33

All: -2.687+/-0.053 χ^2/NDF: 5168.3/63

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.757+/-0.110 χ^2/NDF:3101.7/14

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 24.301+/-0.108 χ^2/NDF:3672.7/13

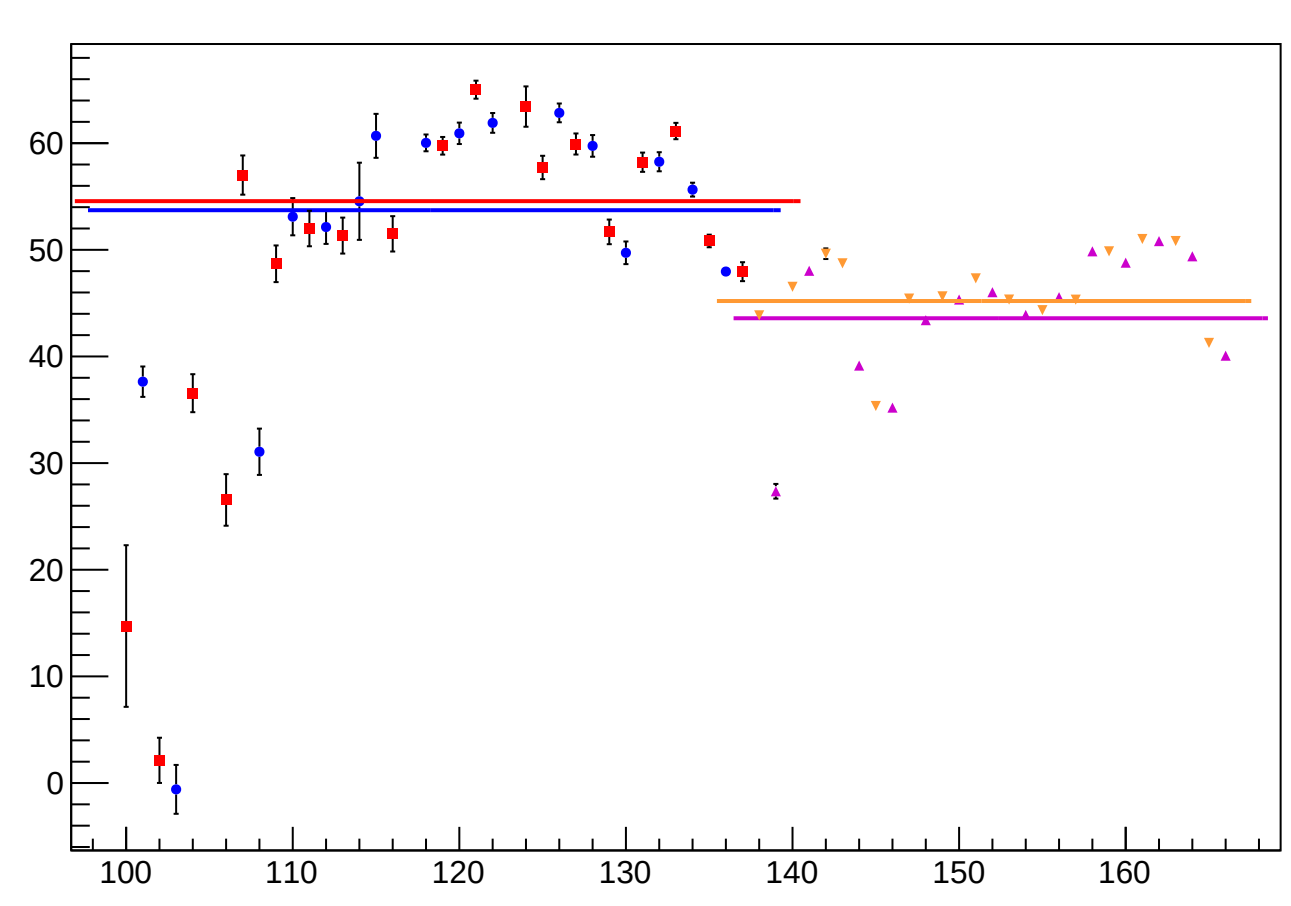
Left: 25.018+/-0.077 χ^2/NDF: 6863.9/28

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.149+/-0.098 χ^2/NDF:9855.0/29

Out: 28.126+/-0.100 χ^2/NDF:8704.0/33

All: 27.625+/-0.070 χ^2/NDF: 18607.6/63



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.199+/-0.091 χ^2/NDF:2820.8/14

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.583+/-0.091 χ^2/NDF:3815.2/13

Left: 44.384+/-0.064 χ^2/NDF: 6793.6/28

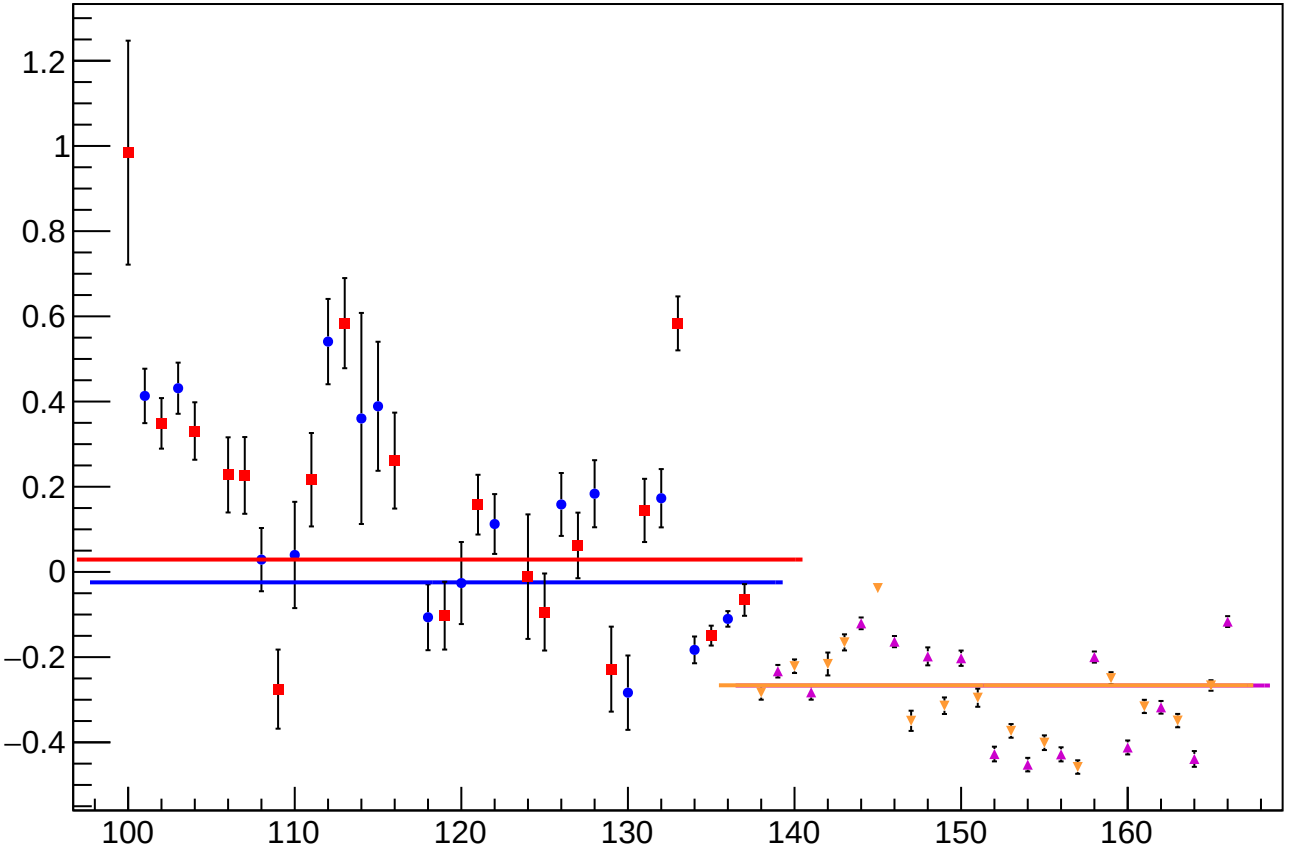
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.856+/-0.085 χ^2/NDF:6749.2/29

Out: 46.258+/-0.086 χ^2/NDF:5349.2/33

All: 45.546+/-0.060 χ^2/NDF: 12233.0/63

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.266+/-0.004 χ^2/NDF:800.9/14

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.267+/-0.004 χ^2/NDF:863.2/13

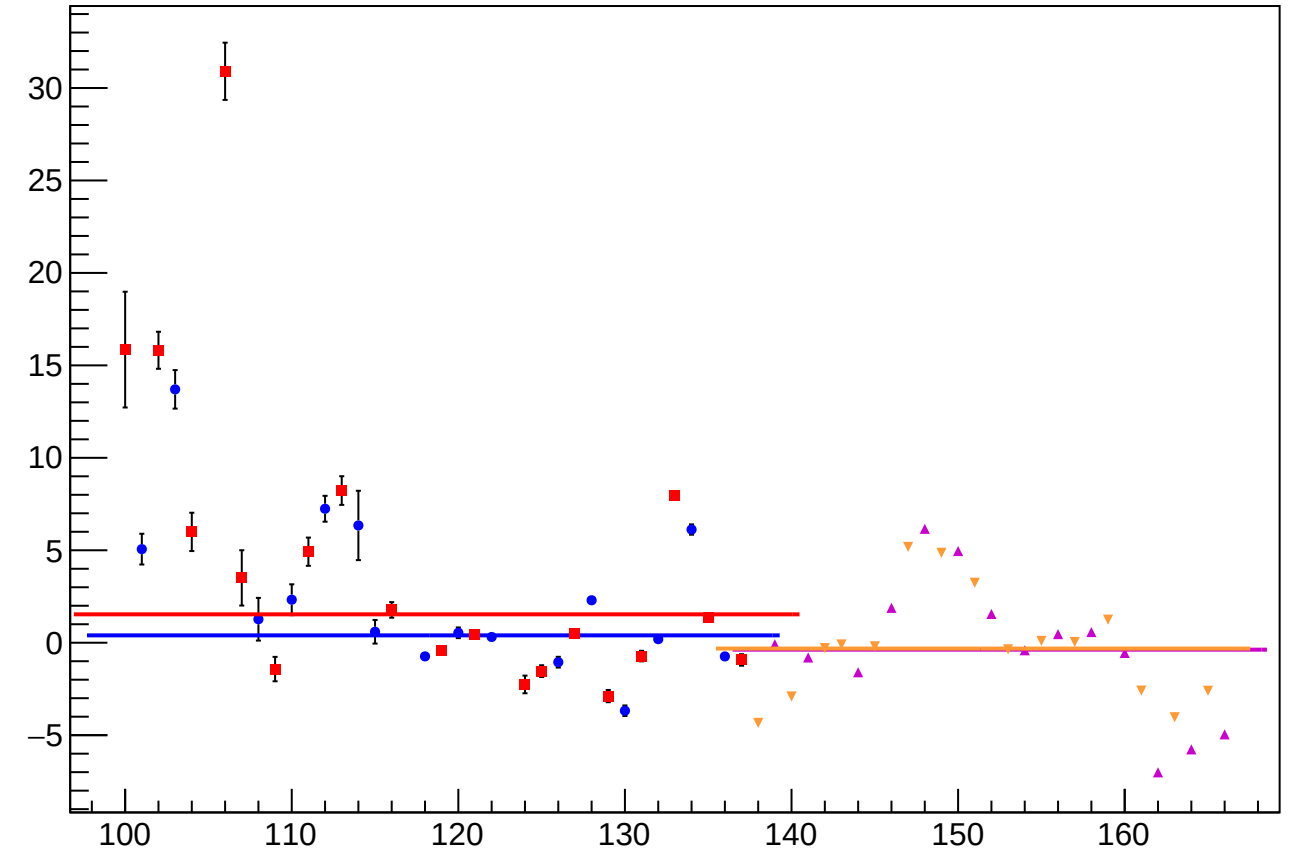
Left: -0.266+/-0.003 χ^2/NDF: 1664.1/28

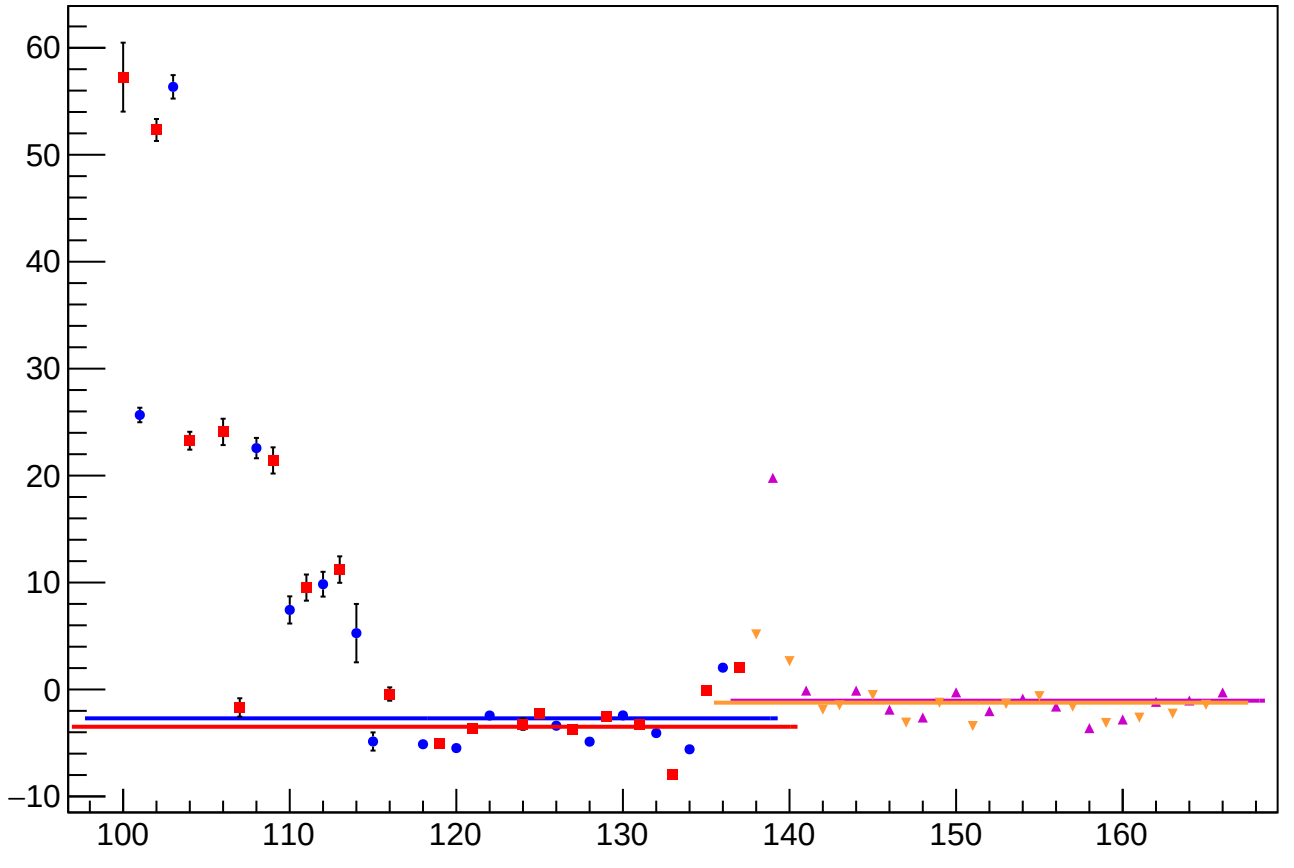
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.244+/-0.004 χ^2/NDF:1416.8/29

Out: -0.243+/-0.004 χ^2/NDF:1472.8/33

All: -0.243+/-0.003 χ^2/NDF: 2889.6/63


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: -0.315+/-0.043 χ²/NDF:4063.2/14
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: -0.375+/-0.042 χ²/NDF:6368.1/13
Left: -0.346+/-0.030 χ²/NDF: 10432.3/28
Right: 0.959+/-0.055 χ²/NDF: 3615.8/34
In: -0.200+/-0.037 χ²/NDF:7543.4/29
Out: 0.112+/-0.038 χ²/NDF:6905.3/33
All: -0.048+/-0.026 χ²/NDF: 14484.1/63



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.234+/-0.030 χ^2/NDF:4174.3/14

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.047+/-0.030 χ^2/NDF:8121.3/13

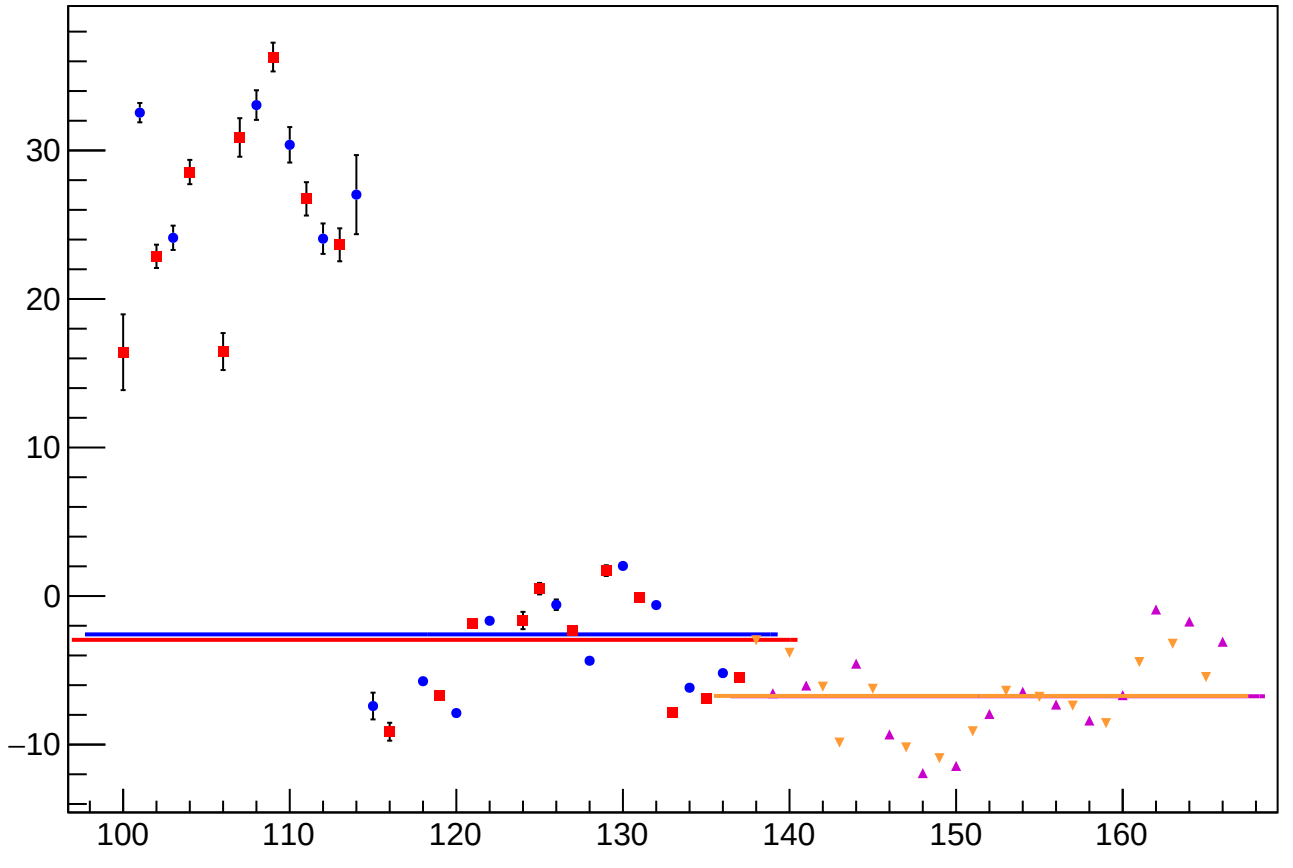
Left: -1.138+/-0.021 χ^2/NDF: 12314.8/28

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.295+/-0.027 χ^2/NDF:15688.6/29

Out: -1.584+/-0.028 χ^2/NDF:12187.2/33

All: -1.437+/-0.020 χ^2/NDF: 27930.2/63



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.724+/-0.042 χ^2/NDF:3435.3/14

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.747+/-0.041 χ^2/NDF:5541.7/13

Left: -6.736+/-0.029 χ^2/NDF: 8977.2/28

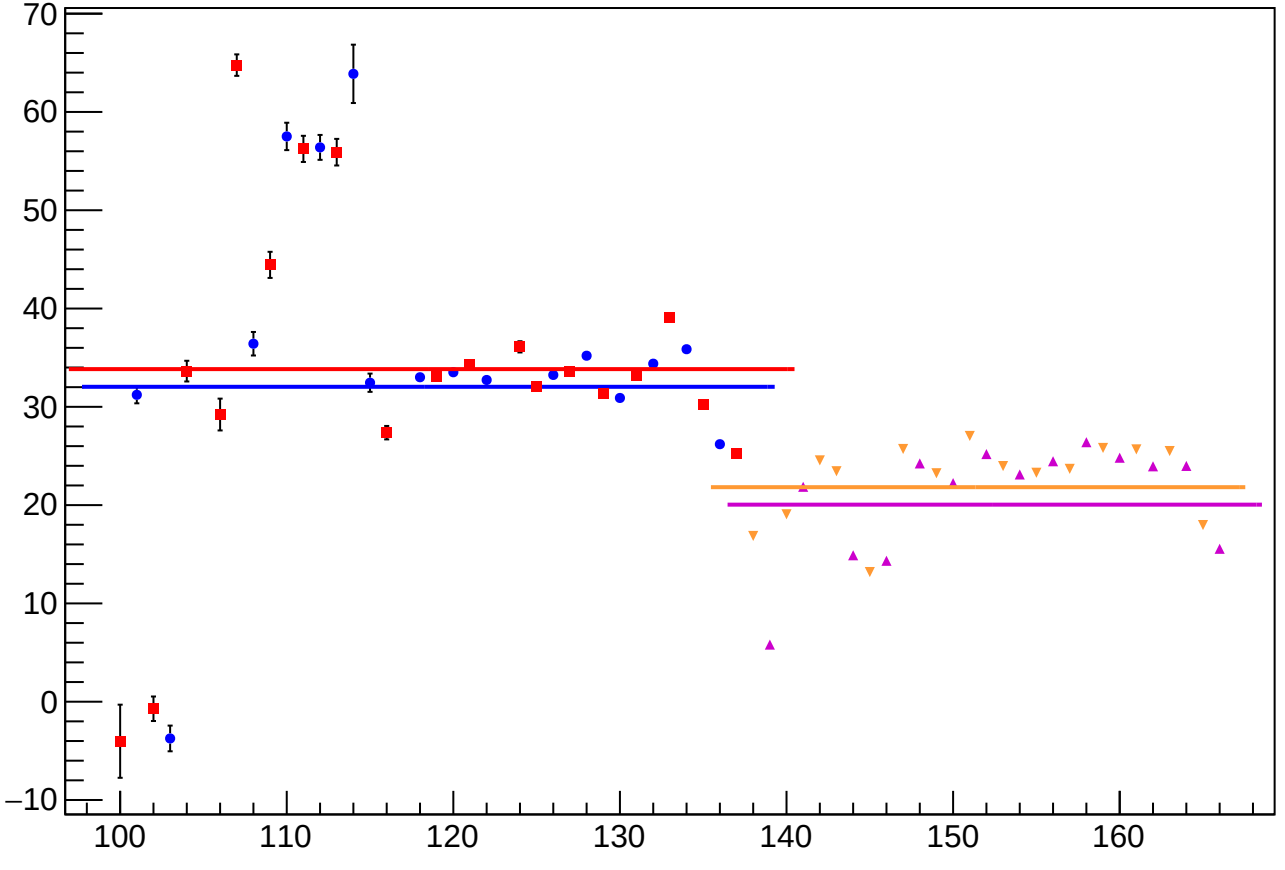
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.939+/-0.037 χ^2/NDF:15726.9/29

Out: -5.979+/-0.038 χ^2/NDF:13218.0/33

All: -5.958+/-0.026 χ^2/NDF: 28945.5/63

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.825+/-0.035 χ^2/NDF:16357.8/14

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.048+/-0.034 χ^2/NDF:20721.5/13

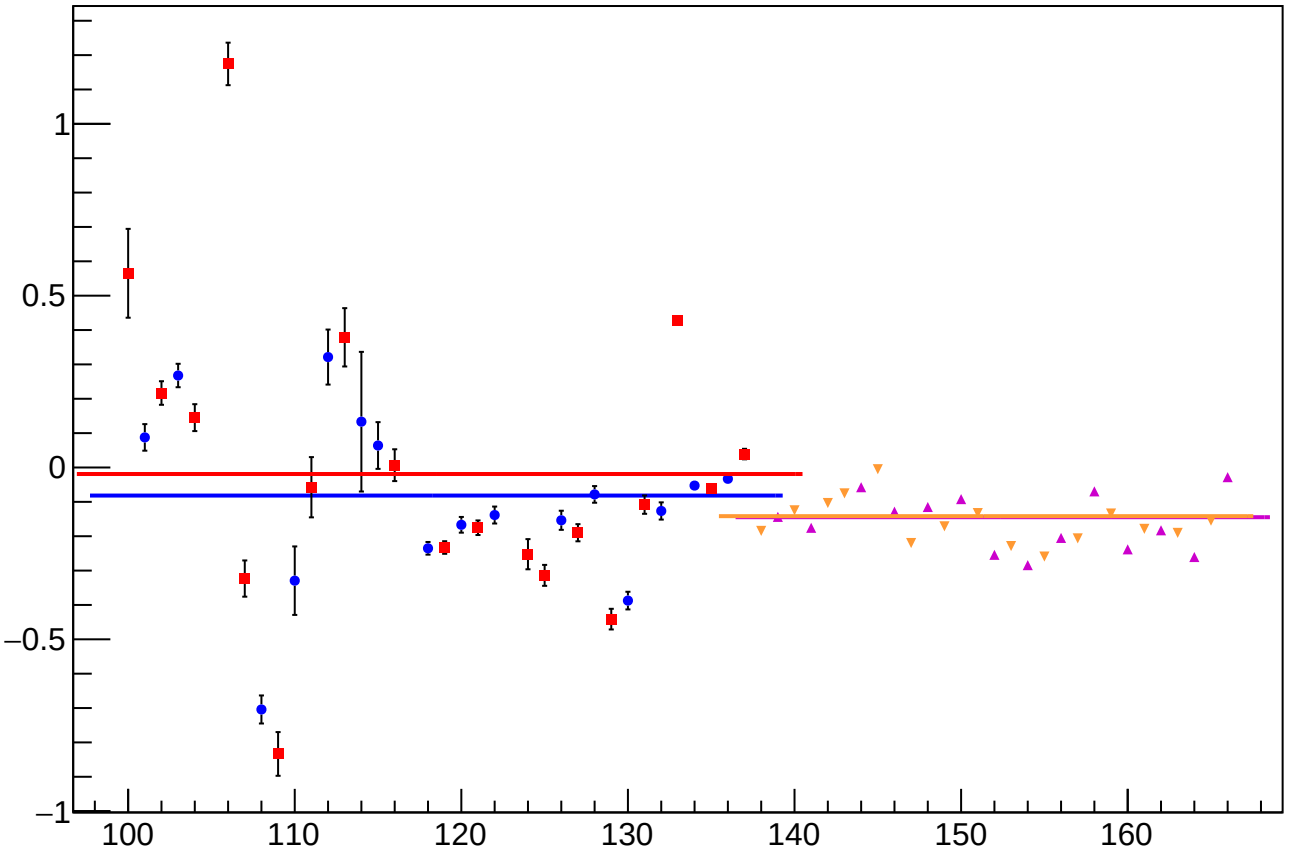
Left: 20.913+/-0.025 χ^2/NDF: 38373.9/28

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.875+/-0.032 χ^2/NDF:42418.9/29

Out: 23.726+/-0.032 χ^2/NDF:38828.5/33

All: 22.779+/-0.023 χ^2/NDF: 82909.0/63



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.142+/-0.002 χ^2/NDF:2149.1/14

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.145+/-0.002 χ^2/NDF:2408.3/13

Left: -0.143+/-0.001 χ^2/NDF: 4559.2/28

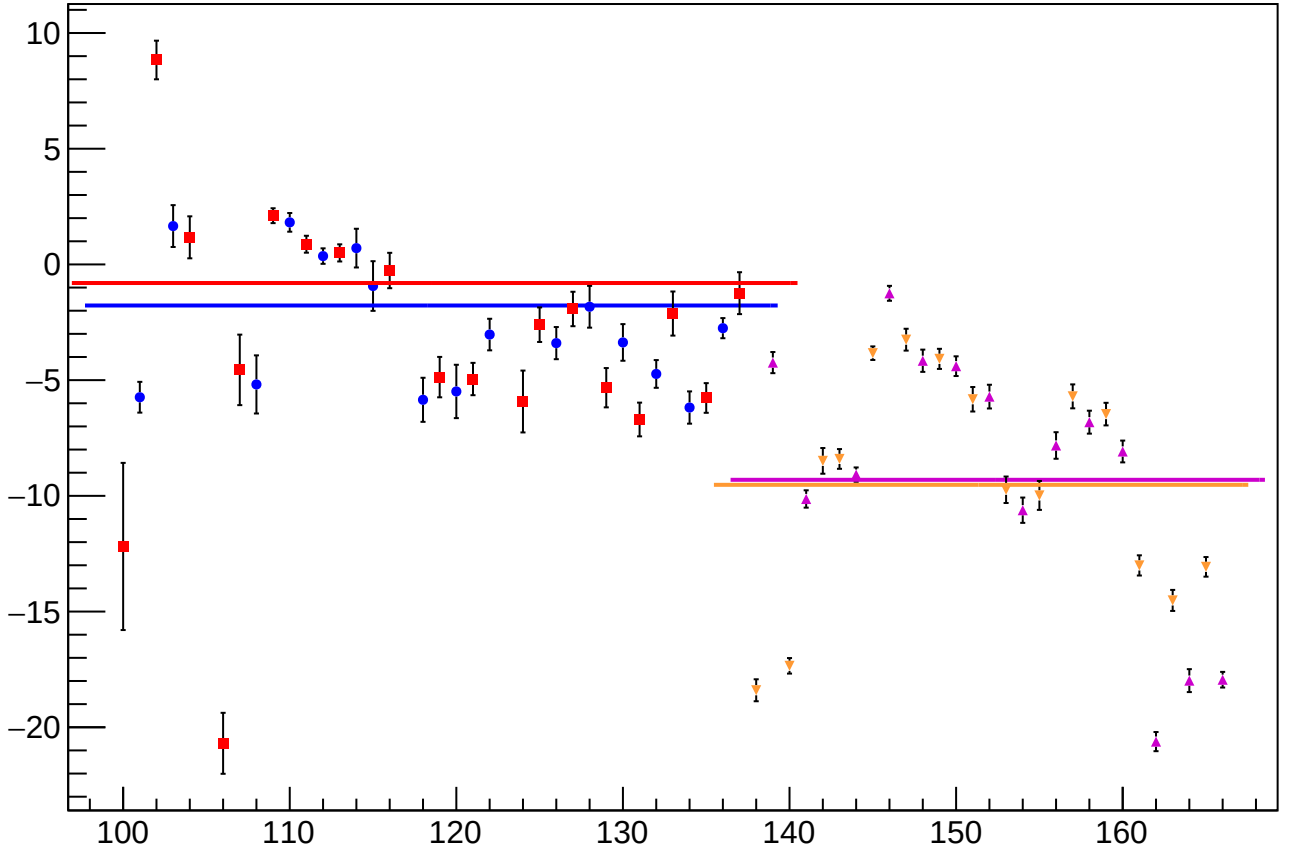
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.139+/-0.002 χ^2/NDF:3251.2/29

Out: -0.131+/-0.002 χ^2/NDF:4930.1/33

All: -0.135+/-0.001 χ^2/NDF: 8194.4/63

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.524+/-0.115 χ^2/NDF:2011.5/14

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.307+/-0.112 χ^2/NDF:2800.1/13

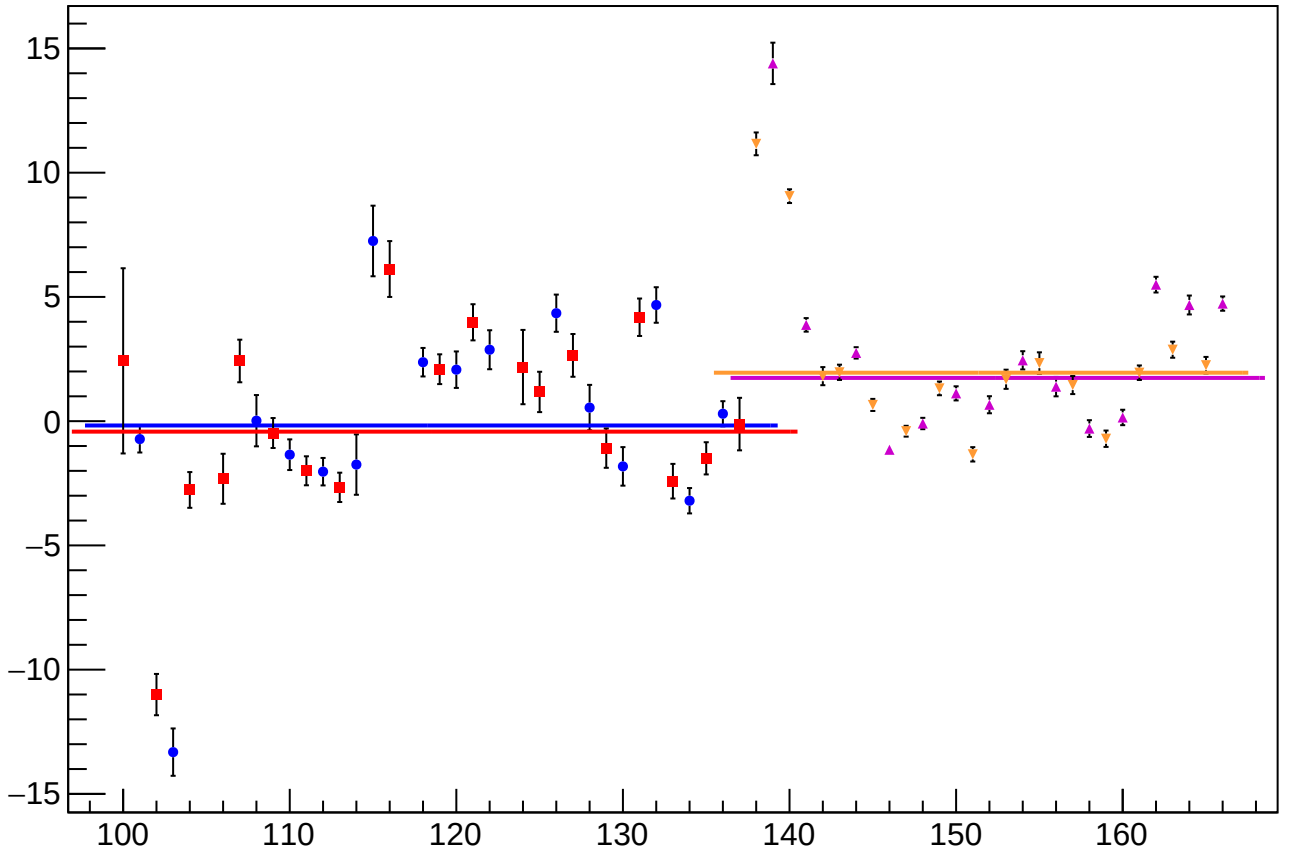
Left: -9.413+/-0.080 χ^2/NDF: 4813.4/28

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.757+/-0.091 χ^2/NDF:4617.8/29

Out: -6.267+/-0.091 χ^2/NDF:4911.2/33

All: -6.510+/-0.064 χ^2/NDF: 9543.5/63



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.950+/-0.080 χ^2/NDF:1419.1/14

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.740+/-0.078 χ^2/NDF:988.2/13

Left: 1.844+/-0.056 χ^2/NDF: 2410.8/28

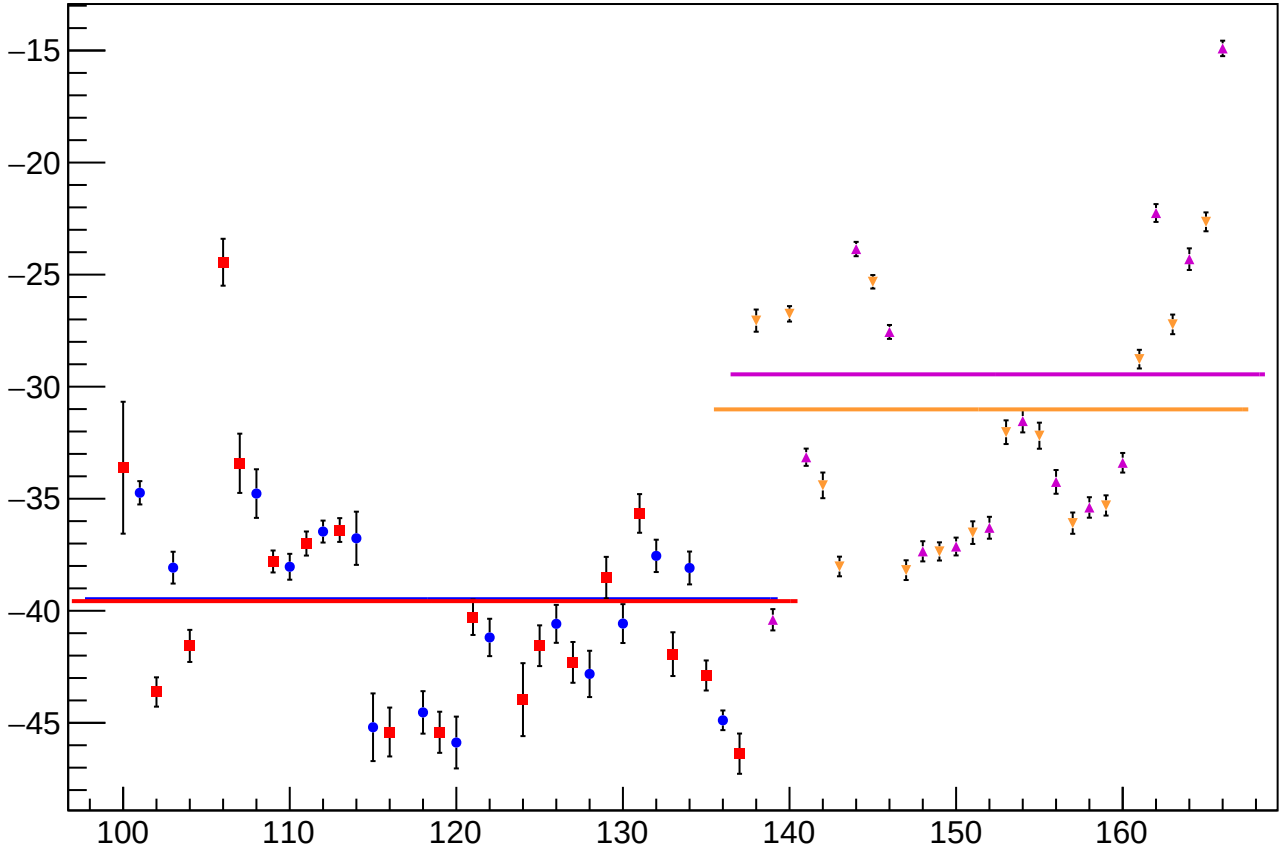
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.414+/-0.071 χ^2/NDF:1492.9/29

Out: 1.553+/-0.073 χ^2/NDF:1934.5/33

All: 1.482+/-0.051 χ^2/NDF: 3429.2/63

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.013+/-0.112 χ^2/NDF:2203.6/14

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -29.450+/-0.110 χ^2/NDF:4411.0/13

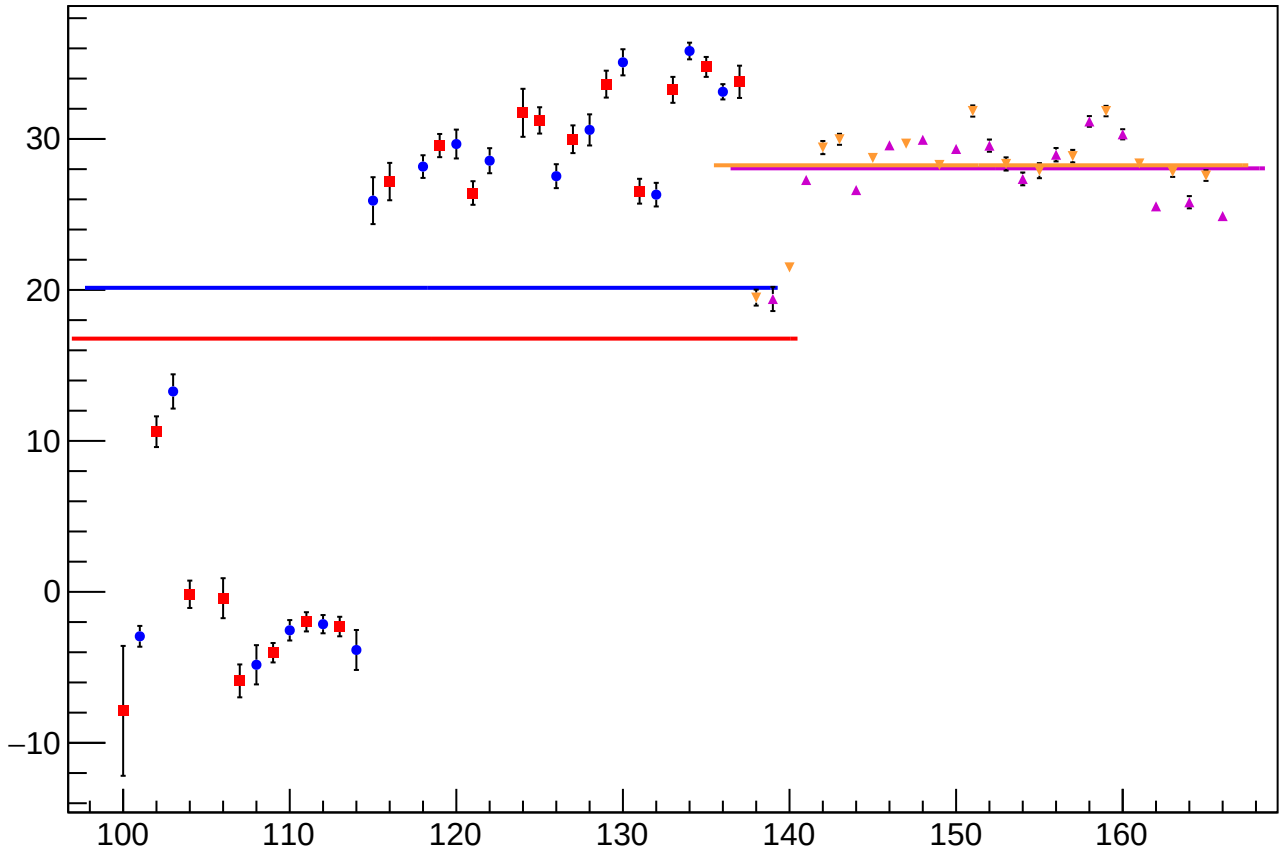
Left: -30.213+/-0.078 χ^2/NDF: 6713.9/28

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -32.159+/-0.094 χ^2/NDF:7083.2/29

Out: -33.390+/-0.095 χ^2/NDF:4371.5/33

All: -32.763+/-0.067 χ^2/NDF: 11539.5/63



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.256+/-0.093 χ^2/NDF:953.6/14

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.054+/-0.091 χ^2/NDF:579.7/13

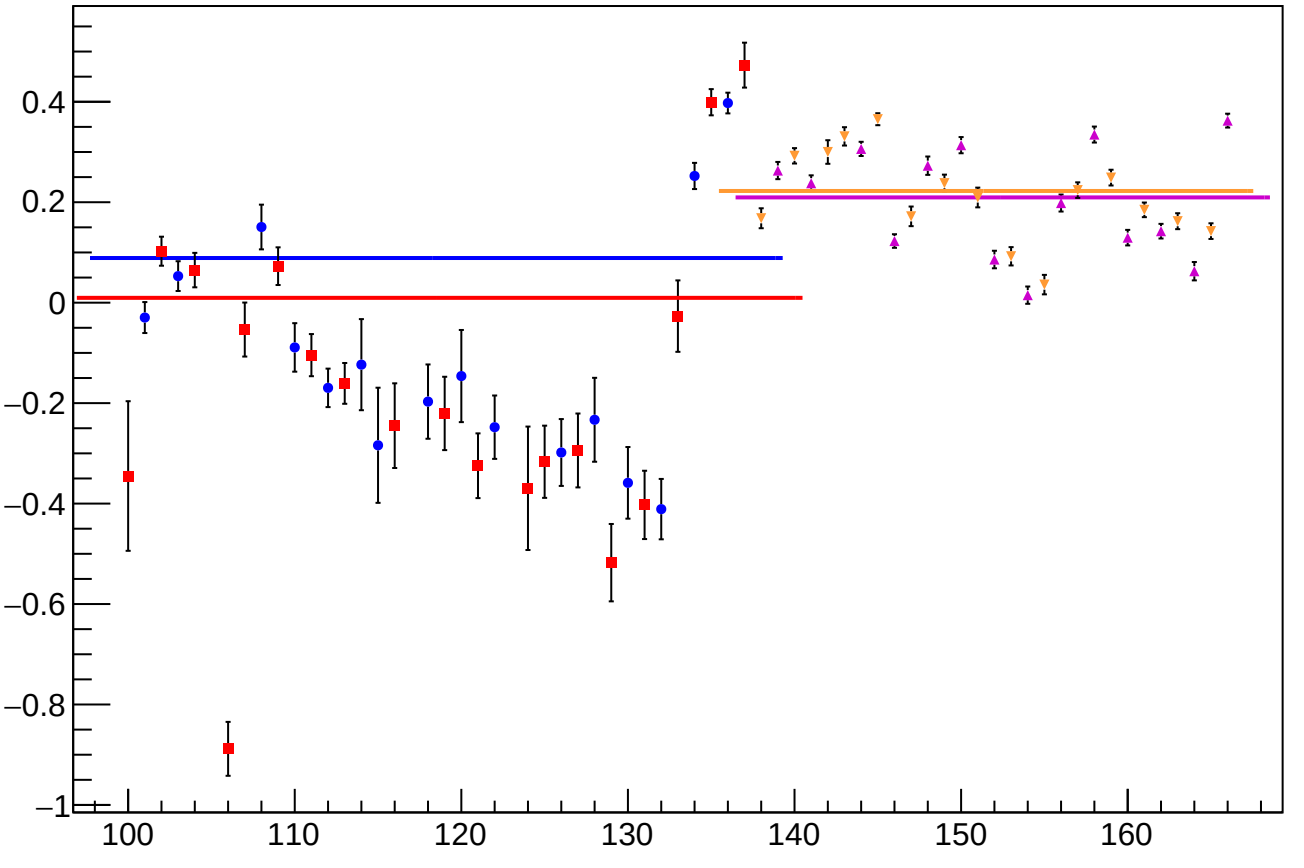
Left: 28.153+/-0.065 χ^2/NDF: 1535.7/28

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.634+/-0.082 χ^2/NDF:8619.8/29

Out: 26.220+/-0.084 χ^2/NDF:10411.8/33

All: 26.431+/-0.059 χ^2/NDF: 19043.9/63



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.222+/-0.004 χ^2/NDF:419.3/14

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.210+/-0.004 χ^2/NDF:630.1/13

Left: 0.216+/-0.003 χ^2/NDF: 1054.0/28

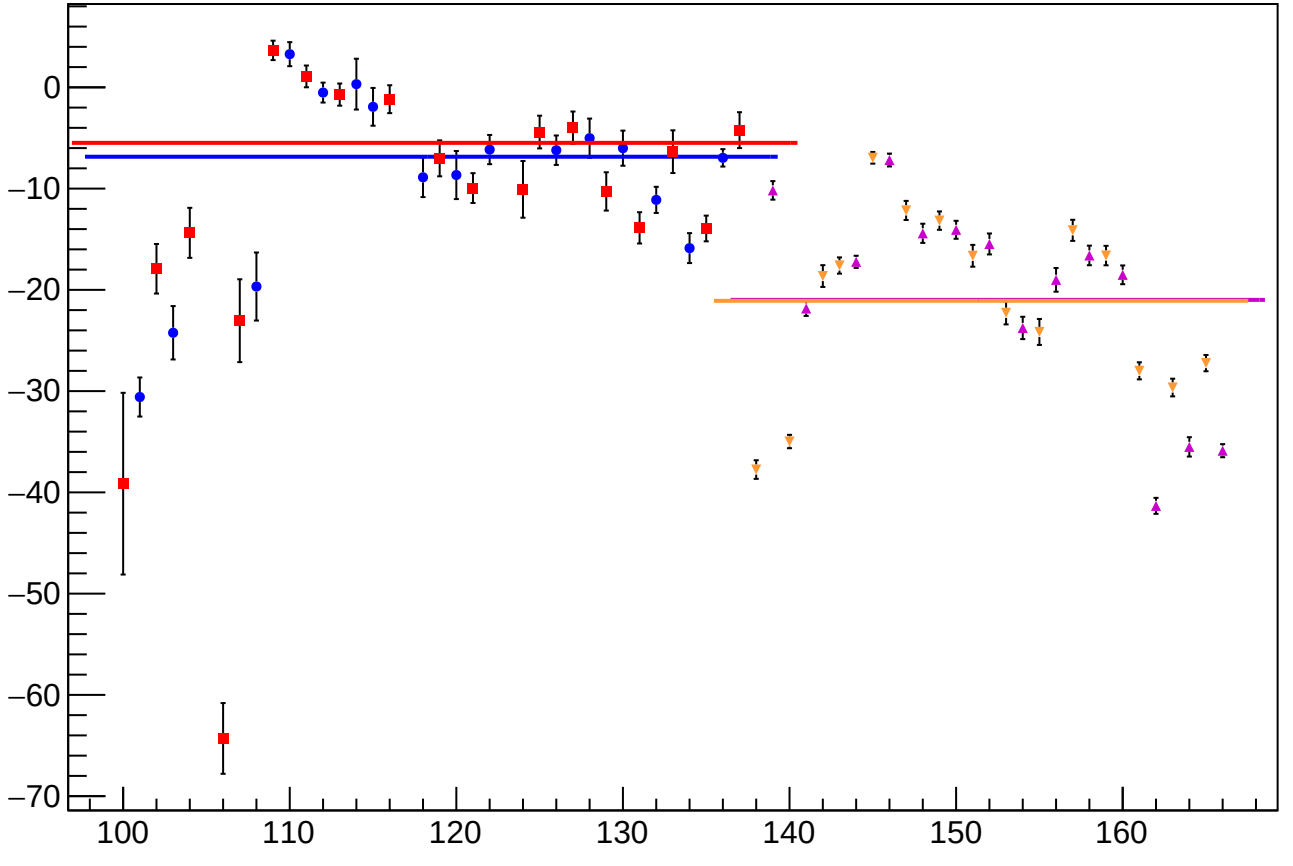
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.193+/-0.004 χ^2/NDF:1309.3/29

Out: 0.194+/-0.004 χ^2/NDF:1577.7/33

All: 0.193+/-0.003 χ^2/NDF: 2887.1/63

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.083+/-0.225 χ^2/NDF:1873.5/14

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.988+/-0.221 χ^2/NDF:2250.7/13

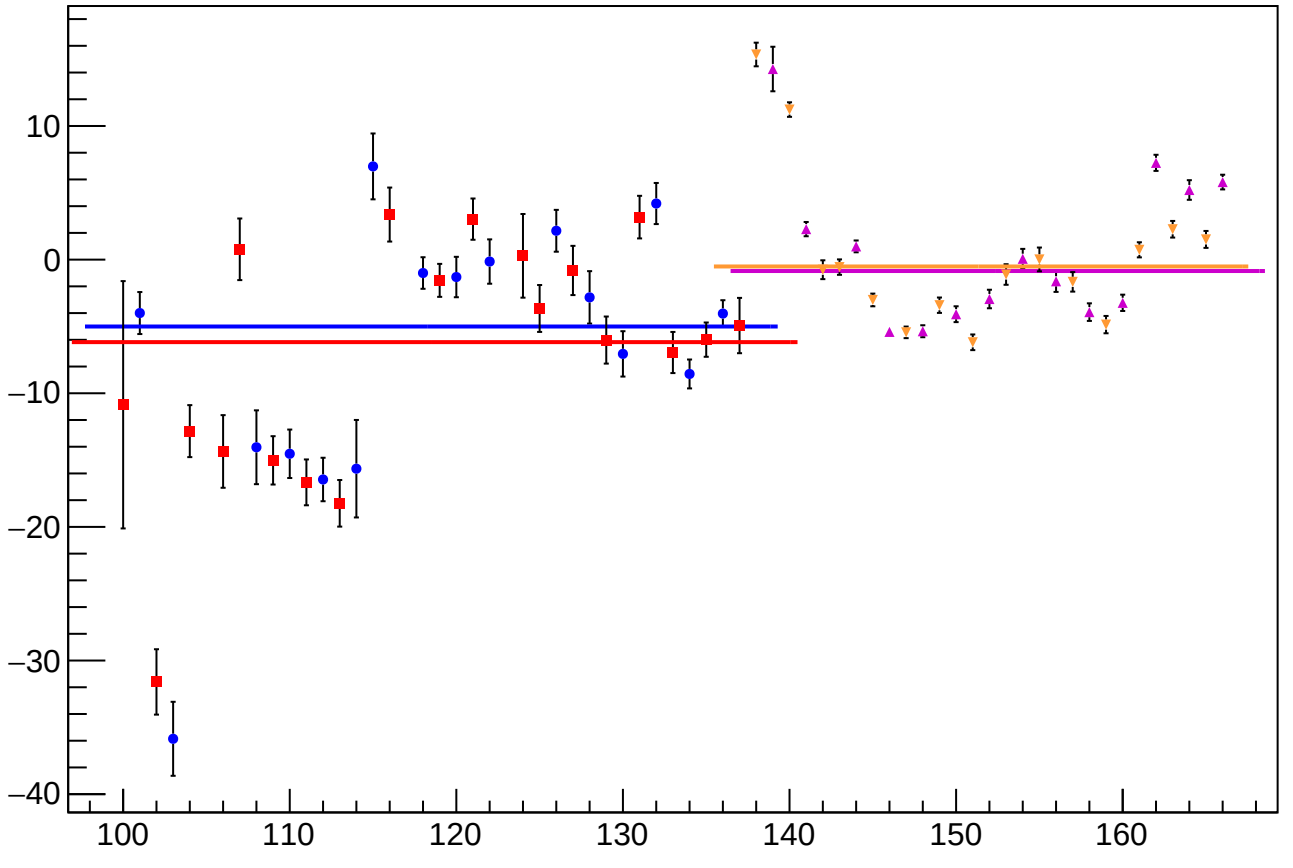
Left: -21.035+/-0.158 χ^2/NDF: 4124.3/28

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.354+/-0.190 χ^2/NDF:3693.0/29

Out: -16.854+/-0.192 χ^2/NDF:3782.8/33

All: -17.106+/-0.135 χ^2/NDF: 7479.2/63



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.512+/-0.157 χ^2/NDF:1146.3/14

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.853+/-0.154 χ^2/NDF:855.6/13

Left: -0.685+/-0.110 χ^2/NDF: 2004.3/28

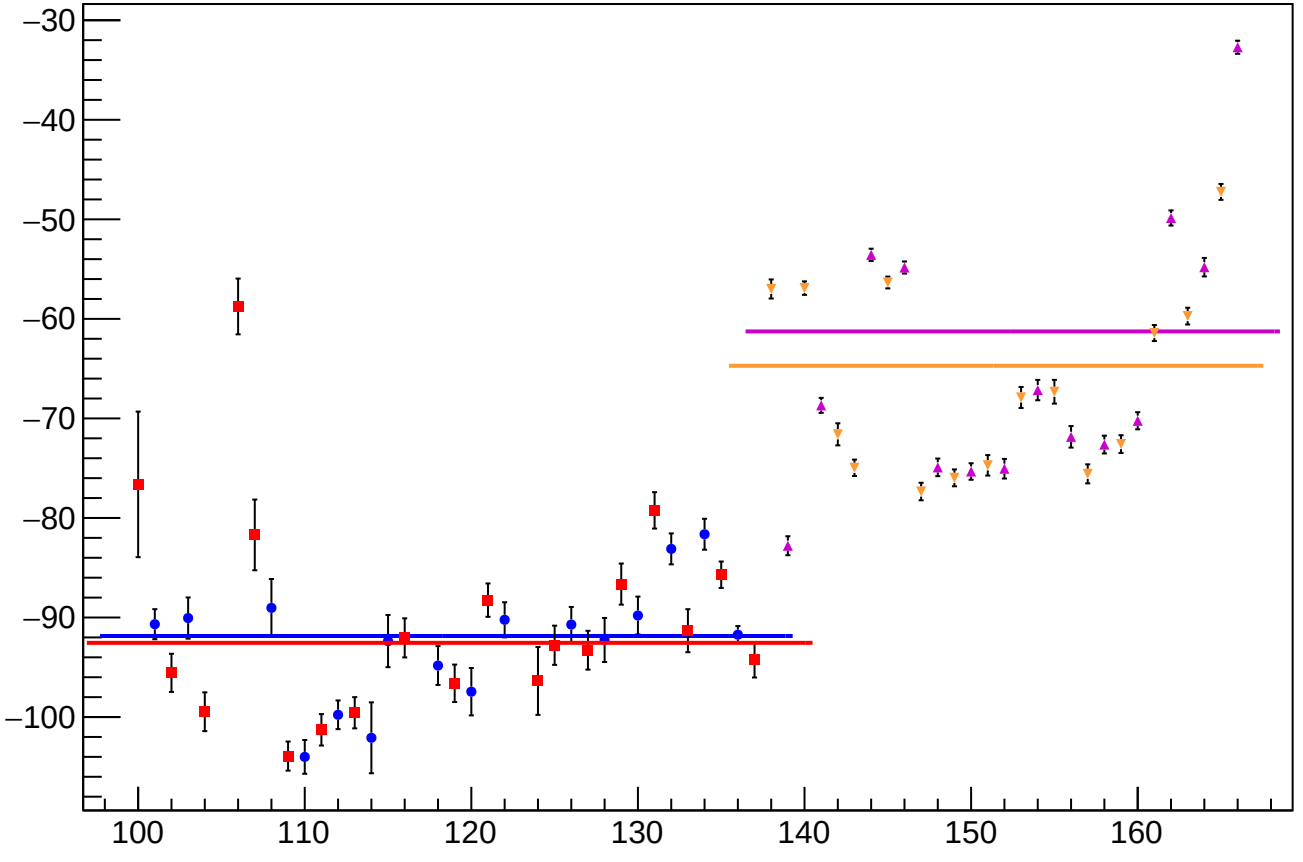
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.398+/-0.143 χ^2/NDF:1293.1/29

Out: -1.214+/-0.147 χ^2/NDF:1677.2/33

All: -1.308+/-0.102 χ^2/NDF: 2971.1/63

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -64.712+/-0.221 χ^2/NDF:1817.5/14

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -61.260+/-0.216 χ^2/NDF:4134.8/13

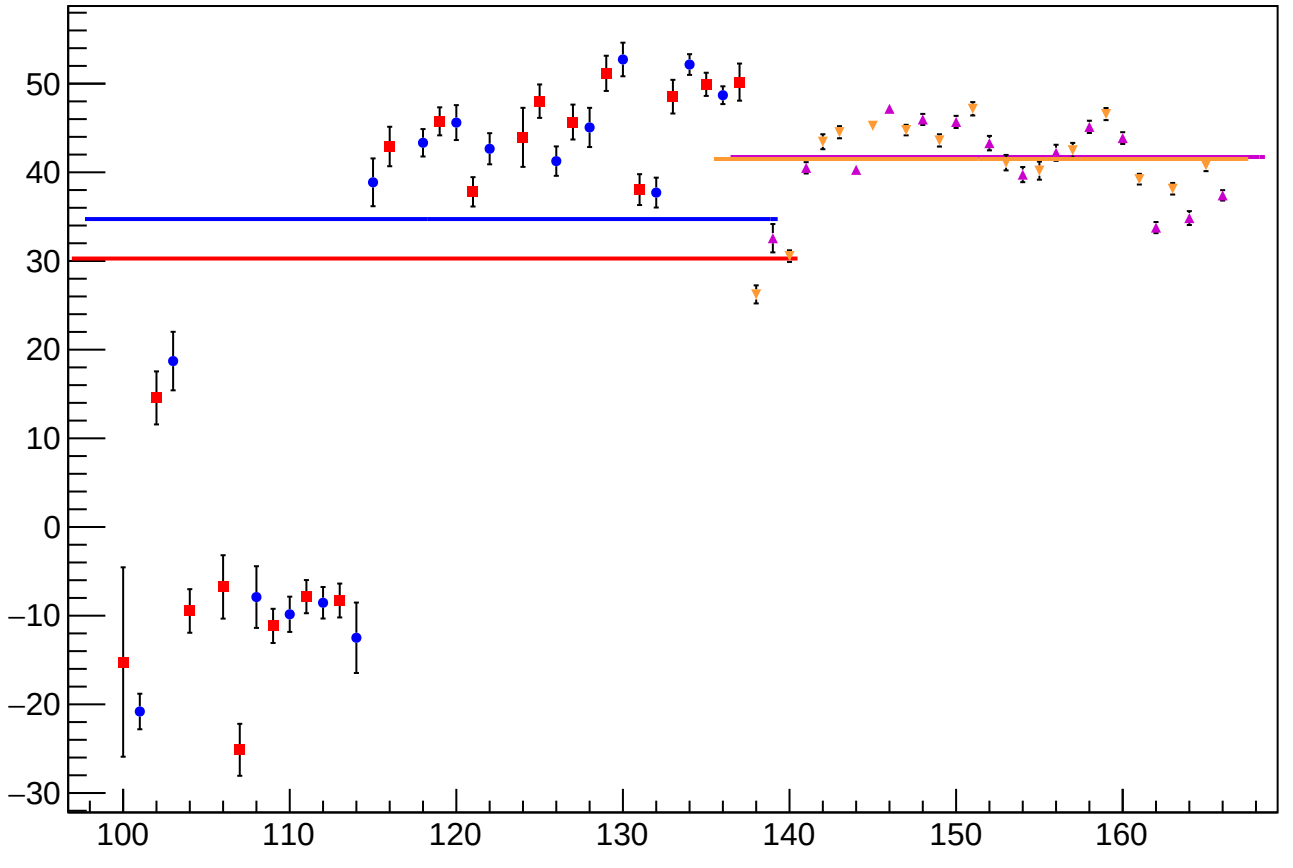
Left: -62.945+/-0.154 χ^2/NDF: 6077.4/28

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -67.547+/-0.192 χ^2/NDF:8448.4/29

Out: -70.331+/-0.197 χ^2/NDF:5409.5/33

All: -68.902+/-0.138 χ^2/NDF: 13960.0/63



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.503+/-0.182 χ^2/NDF:771.5/14

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.729+/-0.179 χ^2/NDF:593.3/13

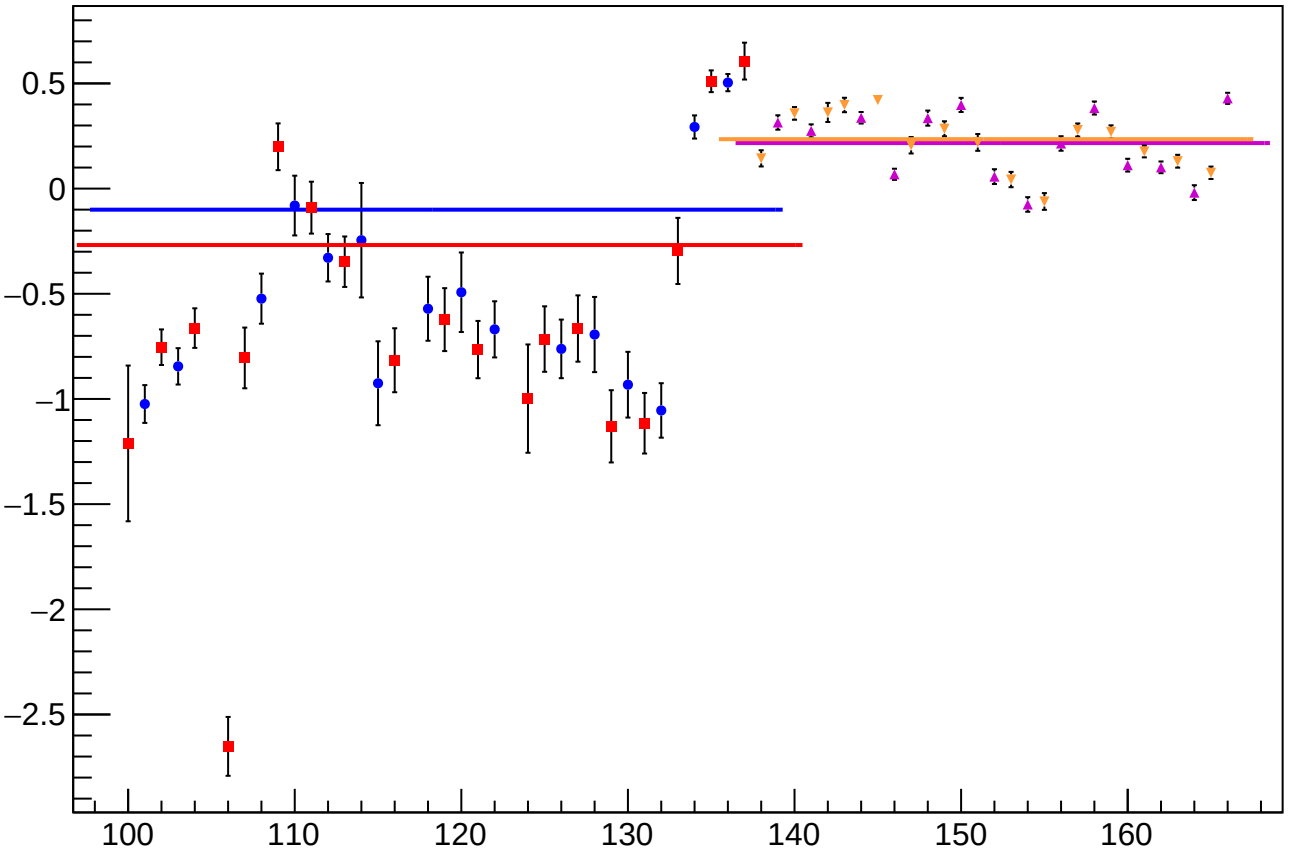
Left: 41.618+/-0.128 χ^2/NDF: 1365.6/28

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.745+/-0.166 χ^2/NDF:3618.1/29

Out: 40.018+/-0.170 χ^2/NDF:4183.7/33

All: 40.391+/-0.119 χ^2/NDF: 7811.1/63



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.235+/-0.008 χ^2/NDF:249.3/14

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.216+/-0.008 χ^2/NDF:360.3/13

Left: 0.226+/-0.006 χ^2/NDF: 612.0/28

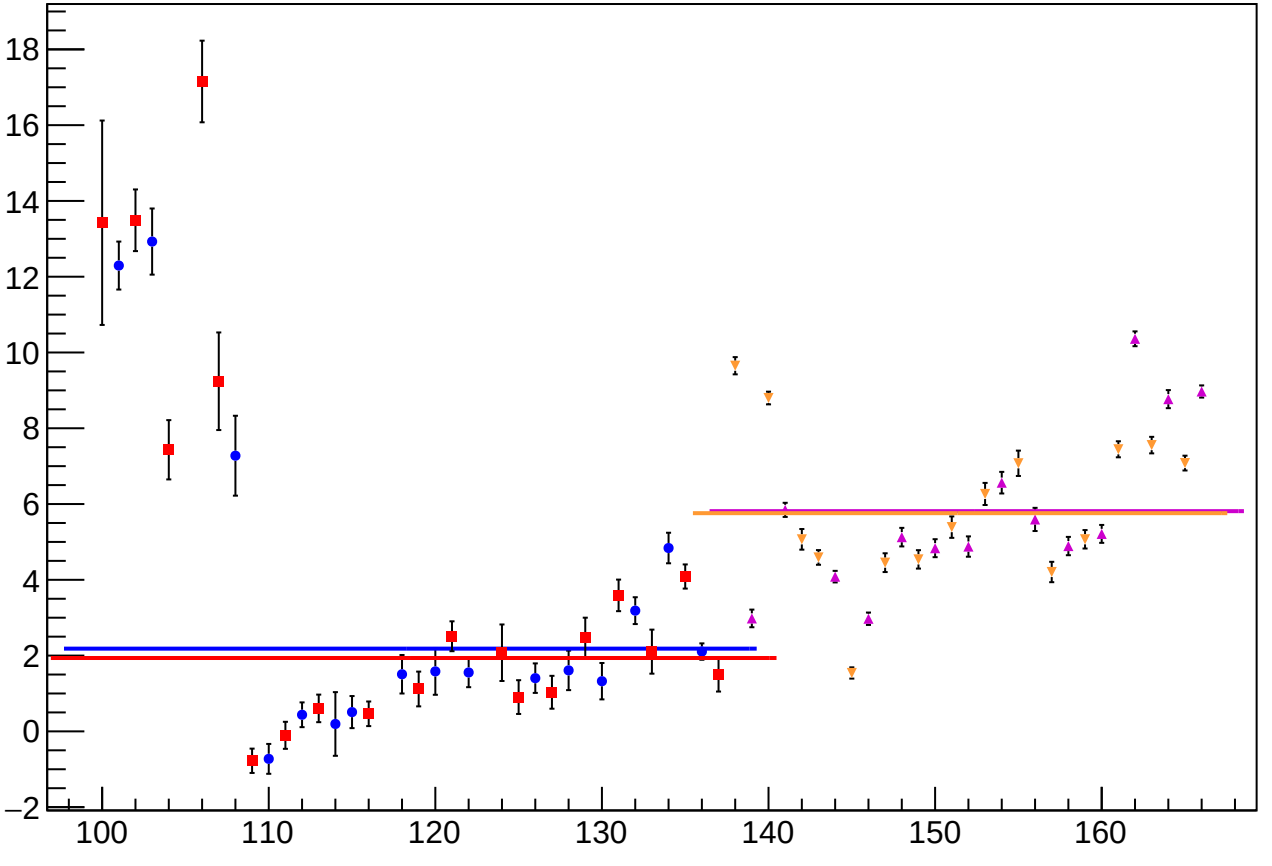
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.182+/-0.008 χ^2/NDF:1146.8/29

Out: 0.188+/-0.008 χ^2/NDF:1402.4/33

All: 0.185+/-0.006 χ^2/NDF: 2549.5/63

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.759+/-0.057 χ^2/NDF:1760.4/14

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.812+/-0.056 χ^2/NDF:1723.7/13

Left: 5.786+/-0.040 χ^2/NDF: 3484.6/28

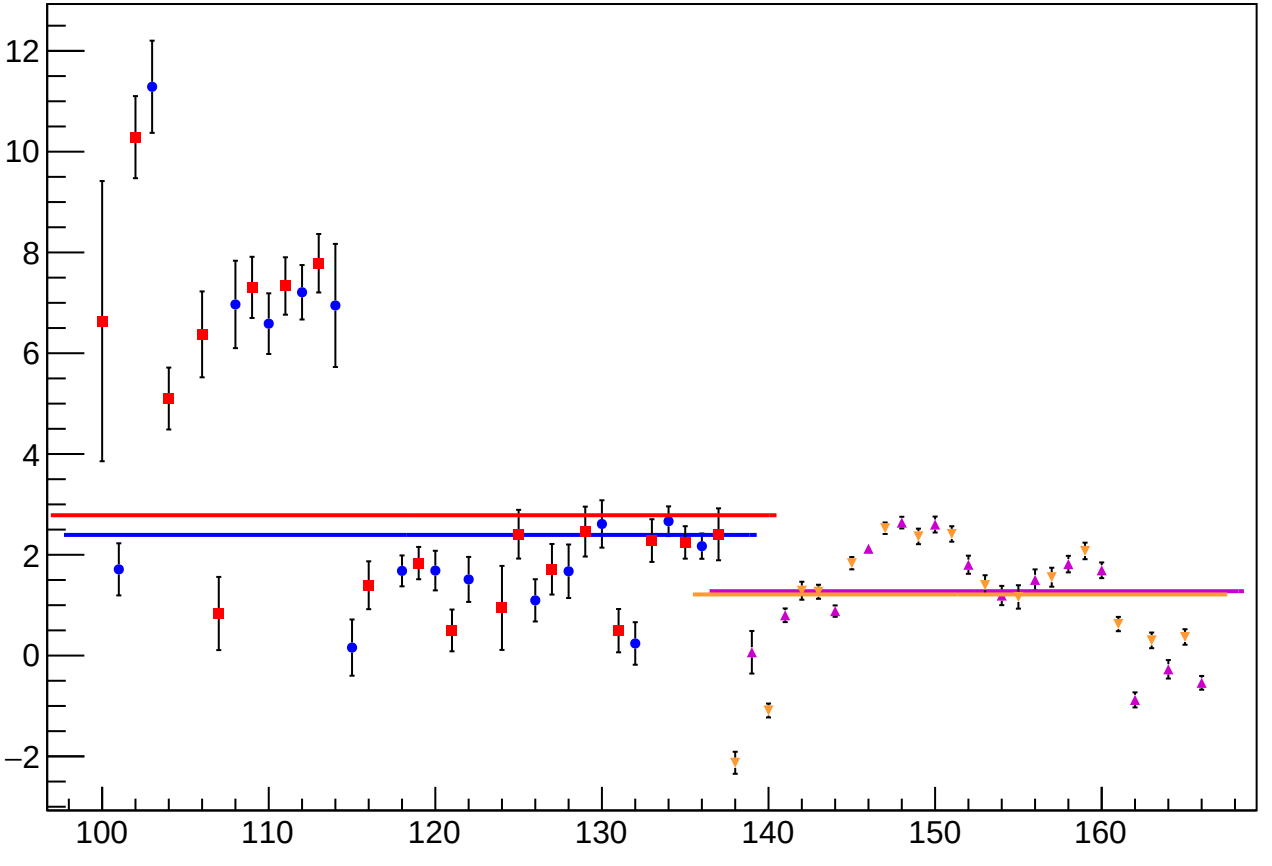
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.003+/-0.050 χ^2/NDF:3251.2/29

Out: 4.893+/-0.050 χ^2/NDF:3493.4/33

All: 4.949+/-0.035 χ^2/NDF: 6747.0/63

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.213+/-0.040 χ^2/NDF:901.3/14

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.277+/-0.039 χ^2/NDF:805.3/13

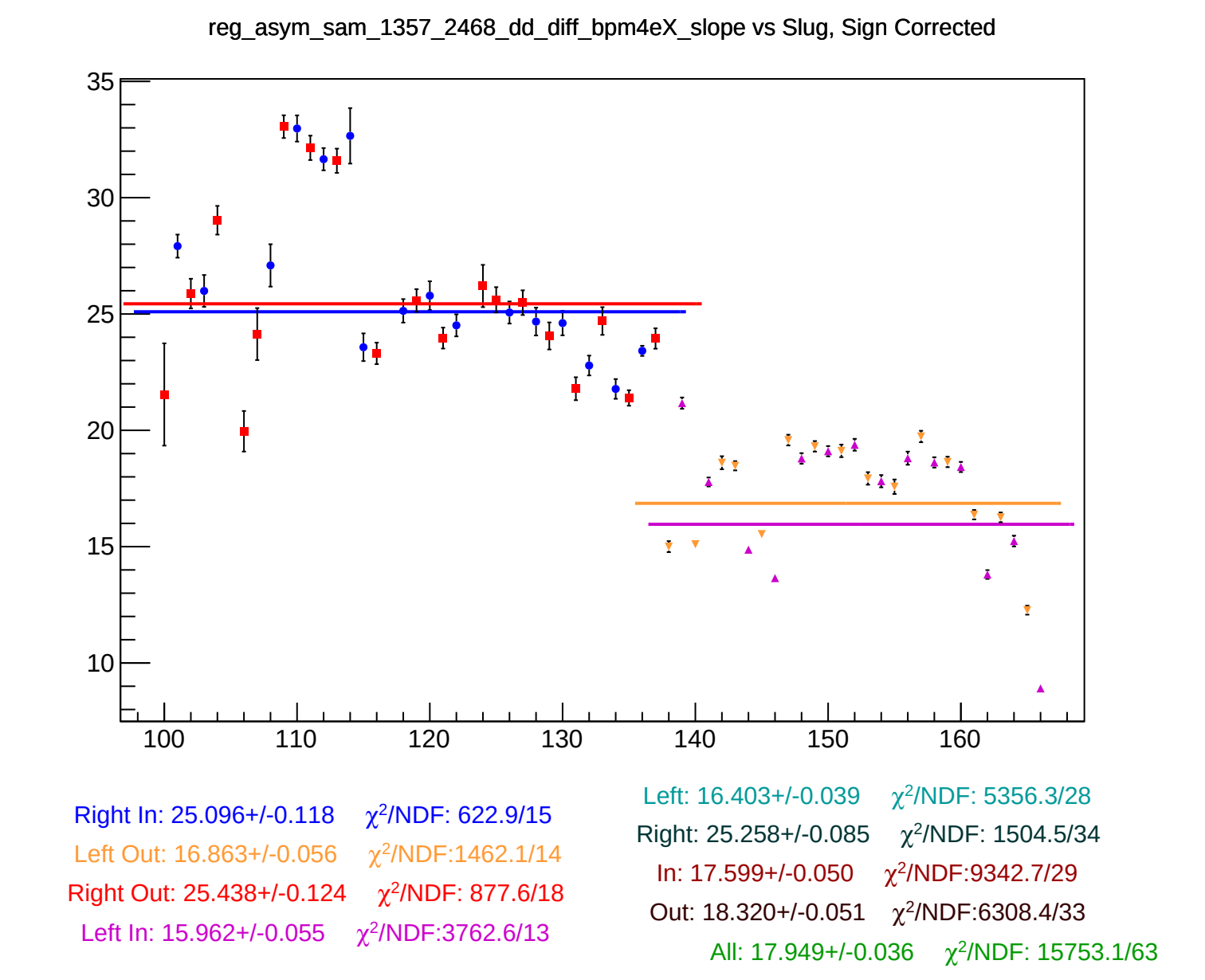
Left: 1.246+/-0.028 χ^2/NDF: 1707.9/28

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

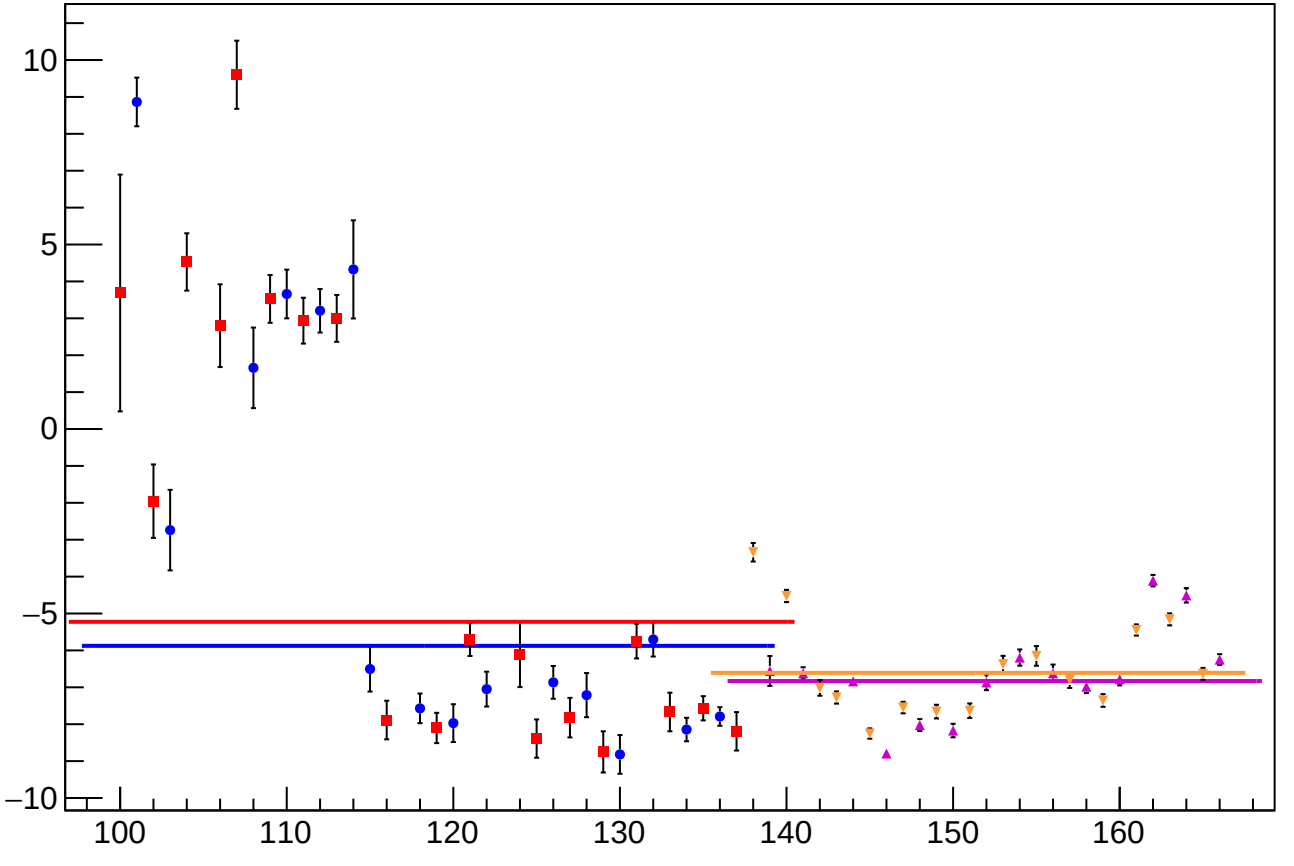
In: 1.406+/-0.037 χ^2/NDF:1233.2/29

Out: 1.380+/-0.038 χ^2/NDF:1476.6/33

All: 1.393+/-0.026 χ^2/NDF: 2710.1/63


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
100
110
120
130
140
150
160
Right In: 25.096+/-0.118 χ2/NDF: 622.9/15
Left Out: 16.863+/-0.056 χ2/NDF:1462.1/14
Right Out: 25.438+/-0.124 χ2/NDF: 877.6/18
Left In: 15.962+/-0.055 χ2/NDF:3762.6/13
Left: 16.403+/-0.039 χ2/NDF: 5356.3/28
Right: 25.258+/-0.085 χ2/NDF: 1504.5/34
In: 17.599+/-0.050 χ2/NDF:9342.7/29
Out: 18.320+/-0.051 χ2/NDF:6308.4/33
All: 17.949+/-0.036 χ2/NDF: 15753.1/63

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.608+/-0.046 χ^2/NDF:740.1/14

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.830+/-0.045 χ^2/NDF:851.6/13

Left: -6.721+/-0.032 χ^2/NDF: 1603.3/28

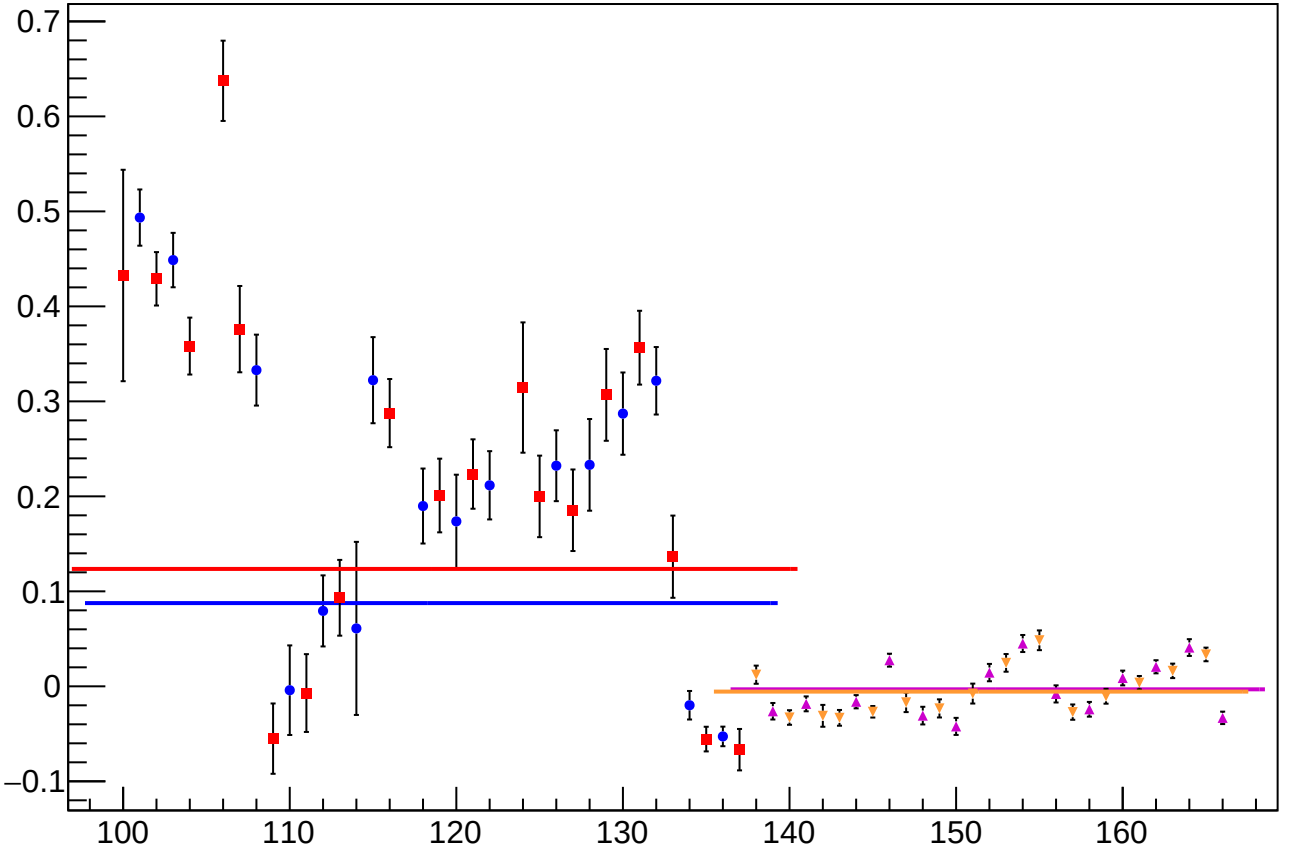
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.711+/-0.043 χ^2/NDF:2157.7/29

Out: -6.451+/-0.044 χ^2/NDF:2133.3/33

All: -6.584+/-0.030 χ^2/NDF: 4309.2/63

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.006+/-0.002 χ^2/NDF:133.8/14

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.003+/-0.002 χ^2/NDF:162.6/13

Left: -0.004+/-0.002 χ^2/NDF: 297.0/28

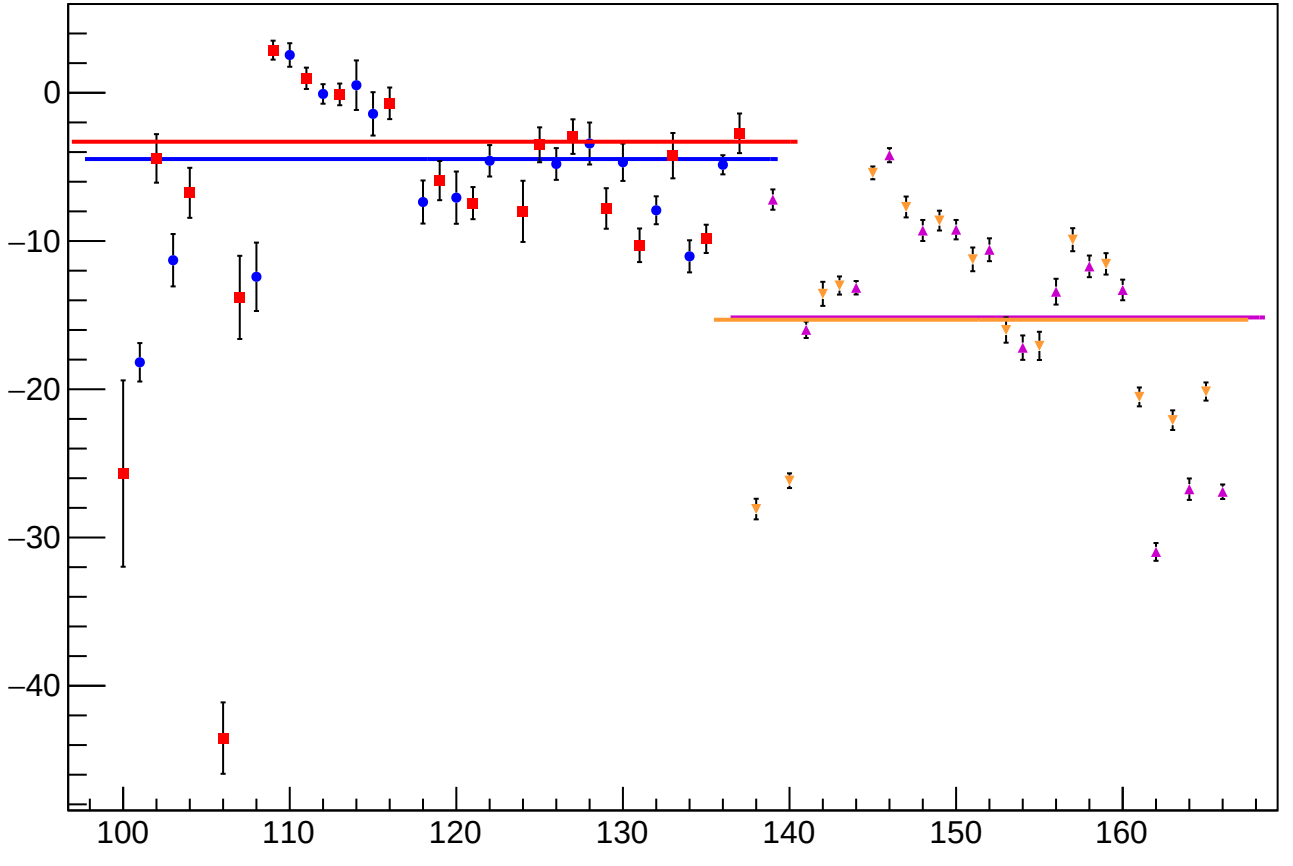
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.005+/-0.002 χ^2/NDF:1102.5/29

Out: 0.005+/-0.002 χ^2/NDF:1181.9/33

All: 0.005+/-0.001 χ^2/NDF: 2284.4/63

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.309+/-0.169 χ^2/NDF:1916.1/14

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -15.155+/-0.166 χ^2/NDF:2436.2/13

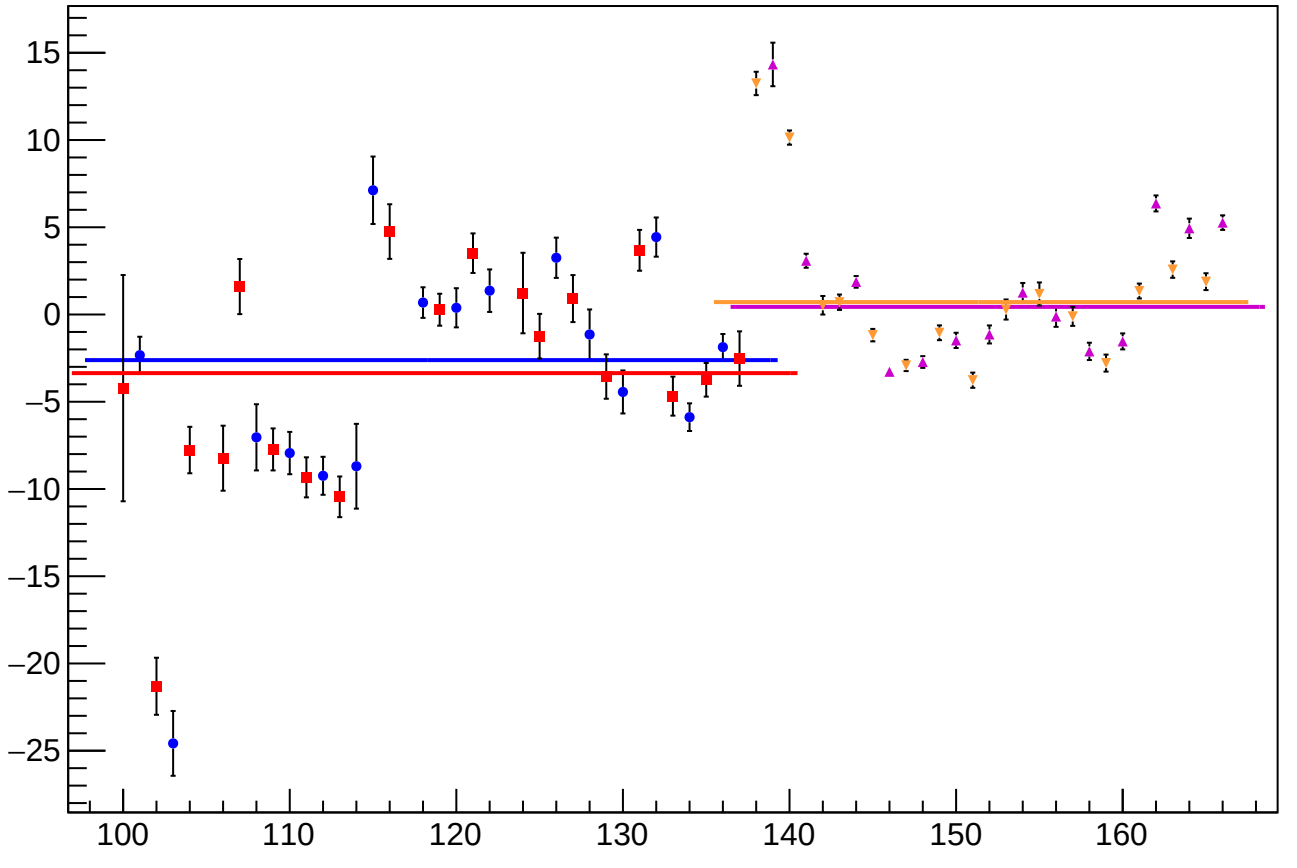
Left: -15.231+/-0.119 χ^2/NDF: 4352.7/28

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.198+/-0.141 χ^2/NDF:3913.9/29

Out: -11.754+/-0.142 χ^2/NDF:3992.5/33

All: -11.977+/-0.100 χ^2/NDF: 7911.3/63



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.712+/-0.118 χ^2/NDF:1236.0/14

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.437+/-0.116 χ^2/NDF:890.4/13

Left: 0.572+/-0.082 χ^2/NDF: 2129.2/28

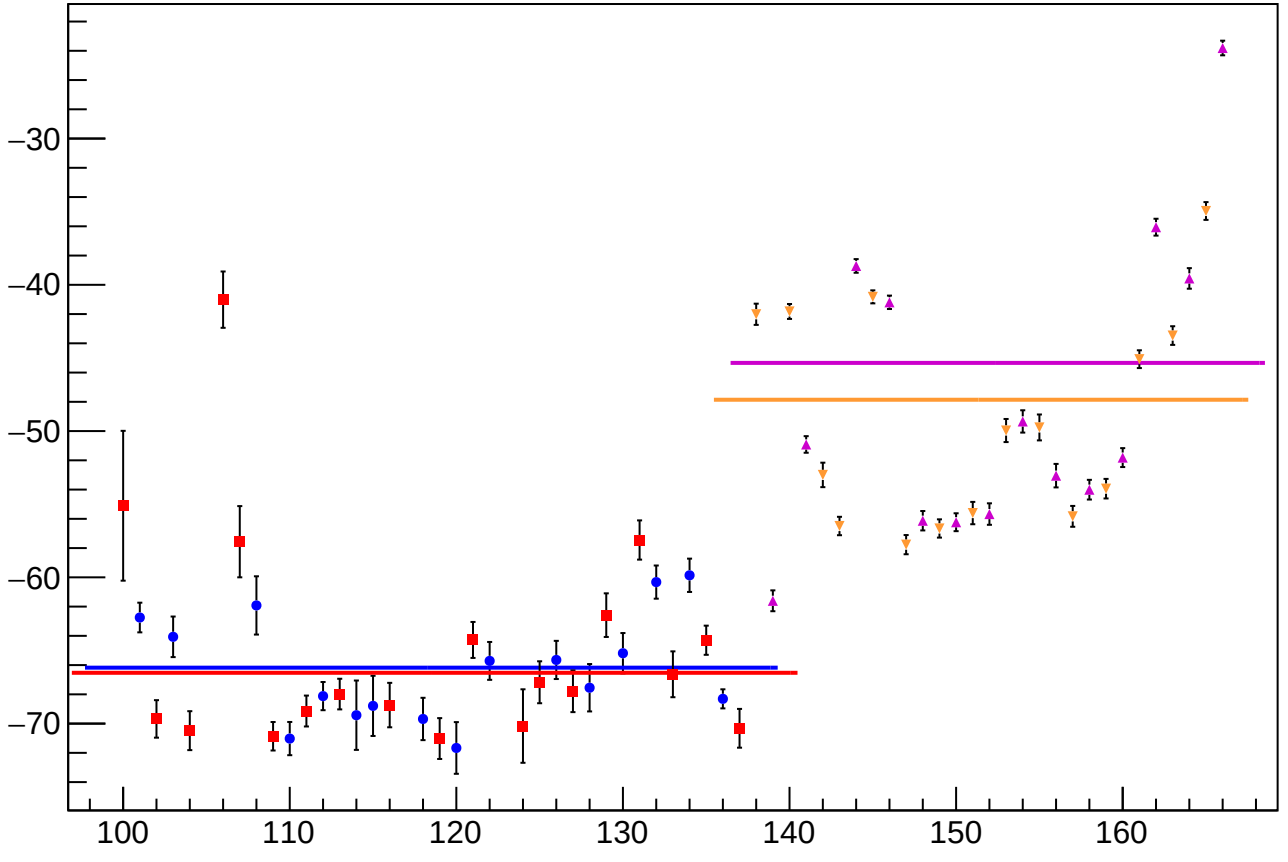
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.007+/-0.107 χ^2/NDF:1340.3/29

Out: 0.165+/-0.109 χ^2/NDF:1756.4/33

All: 0.084+/-0.077 χ^2/NDF: 3097.7/63

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -47.857+/-0.166 χ^2/NDF:1948.0/14

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -45.339+/-0.162 χ^2/NDF:4240.3/13

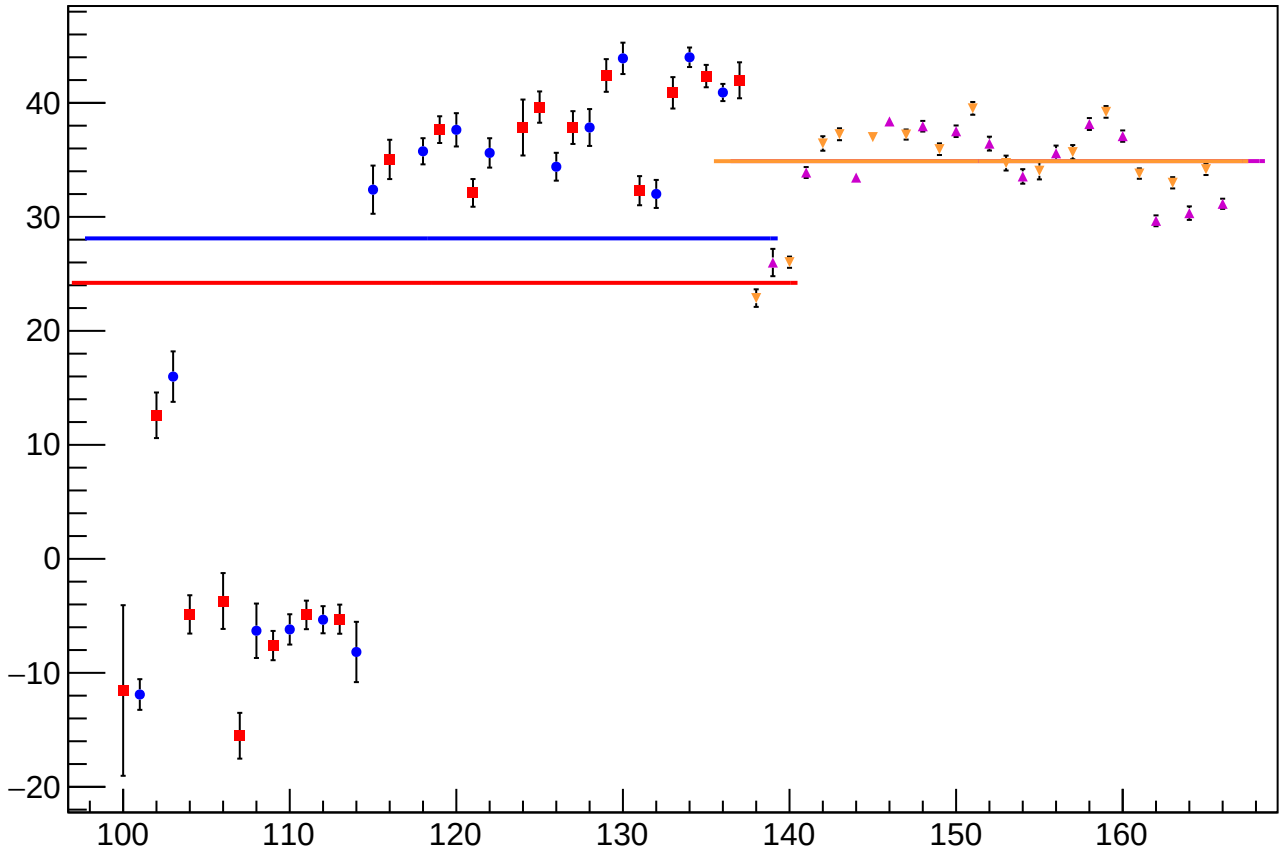
Left: -46.567+/-0.116 χ^2/NDF: 6306.3/28

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -49.940+/-0.143 χ^2/NDF:8022.5/29

Out: -51.966+/-0.147 χ^2/NDF:5053.7/33

All: -50.928+/-0.102 χ^2/NDF: 13174.1/63



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.885+/-0.137 χ^2/NDF:815.7/14

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.893+/-0.134 χ^2/NDF:560.1/13

Left: 34.889+/-0.096 χ^2/NDF: 1375.8/28

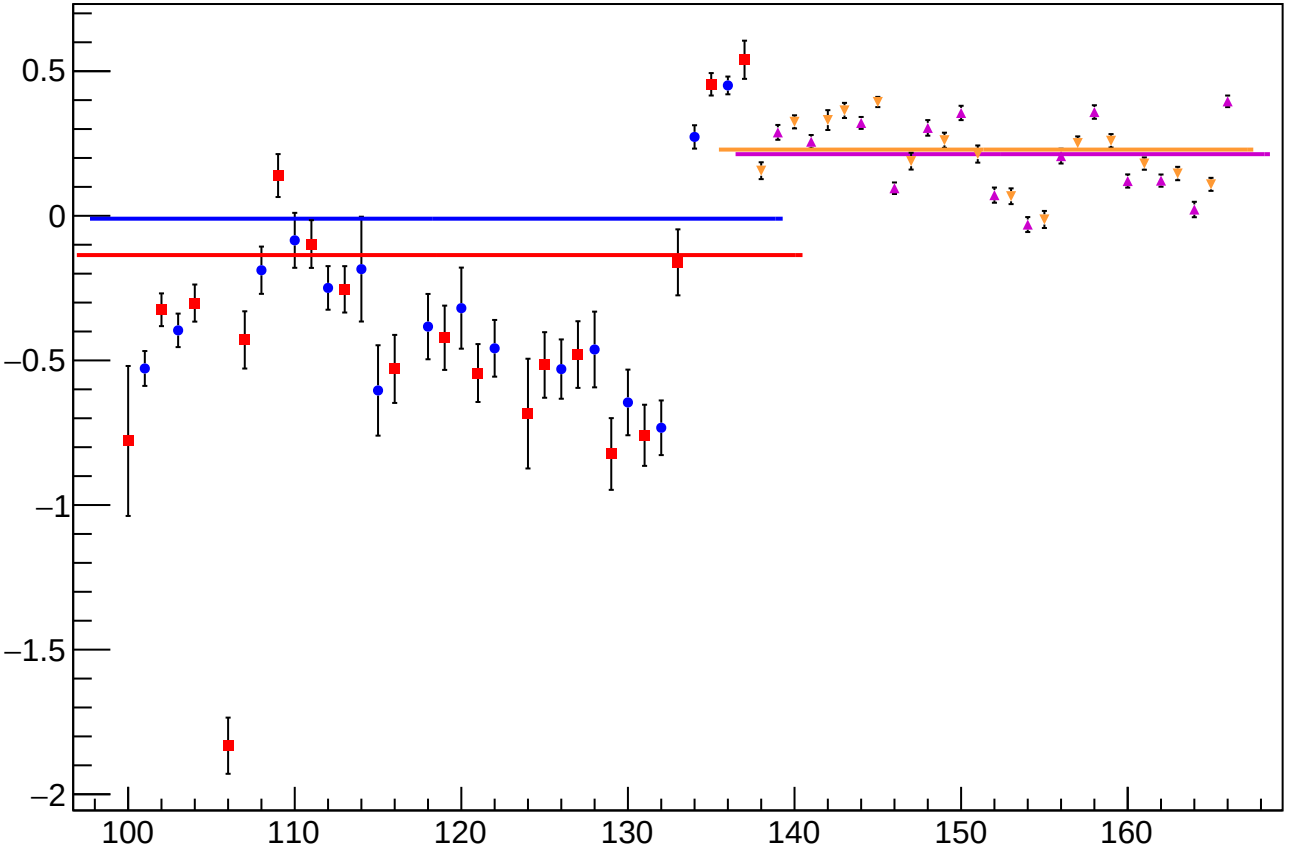
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.876+/-0.124 χ^2/NDF:4669.5/29

Out: 33.359+/-0.127 χ^2/NDF:5524.3/33

All: 33.624+/-0.089 χ^2/NDF: 10202.3/63

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.229+/-0.006 χ^2/NDF:301.6/14

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.213+/-0.006 χ^2/NDF:444.6/13

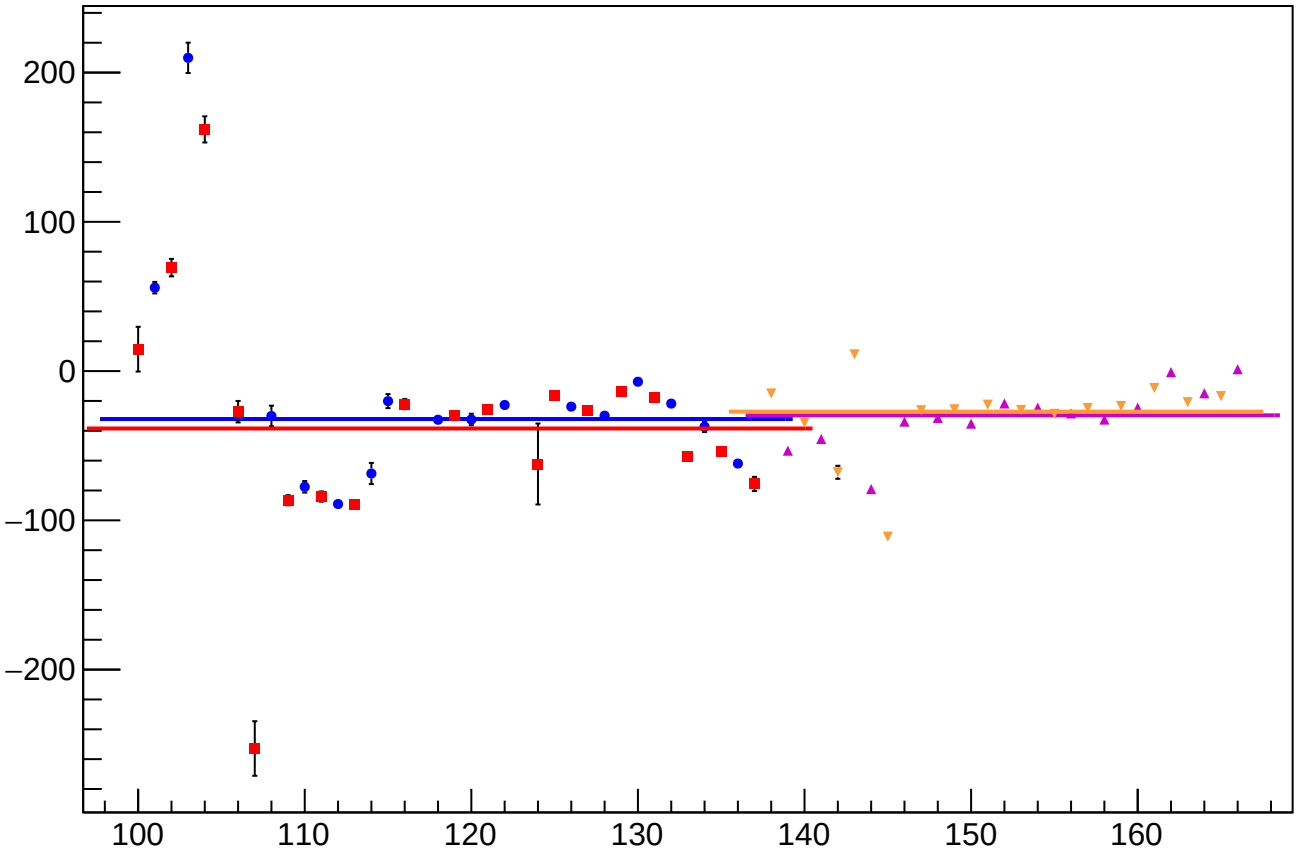
Left: 0.221+/-0.004 χ^2/NDF: 749.3/28

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.187+/-0.006 χ^2/NDF:1178.6/29

Out: 0.192+/-0.006 χ^2/NDF:1456.8/33

All: 0.189+/-0.004 χ^2/NDF: 2635.6/63



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.161+/-0.753 χ^2/NDF:993.7/14

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -29.633+/-0.750 χ^2/NDF:716.9/13

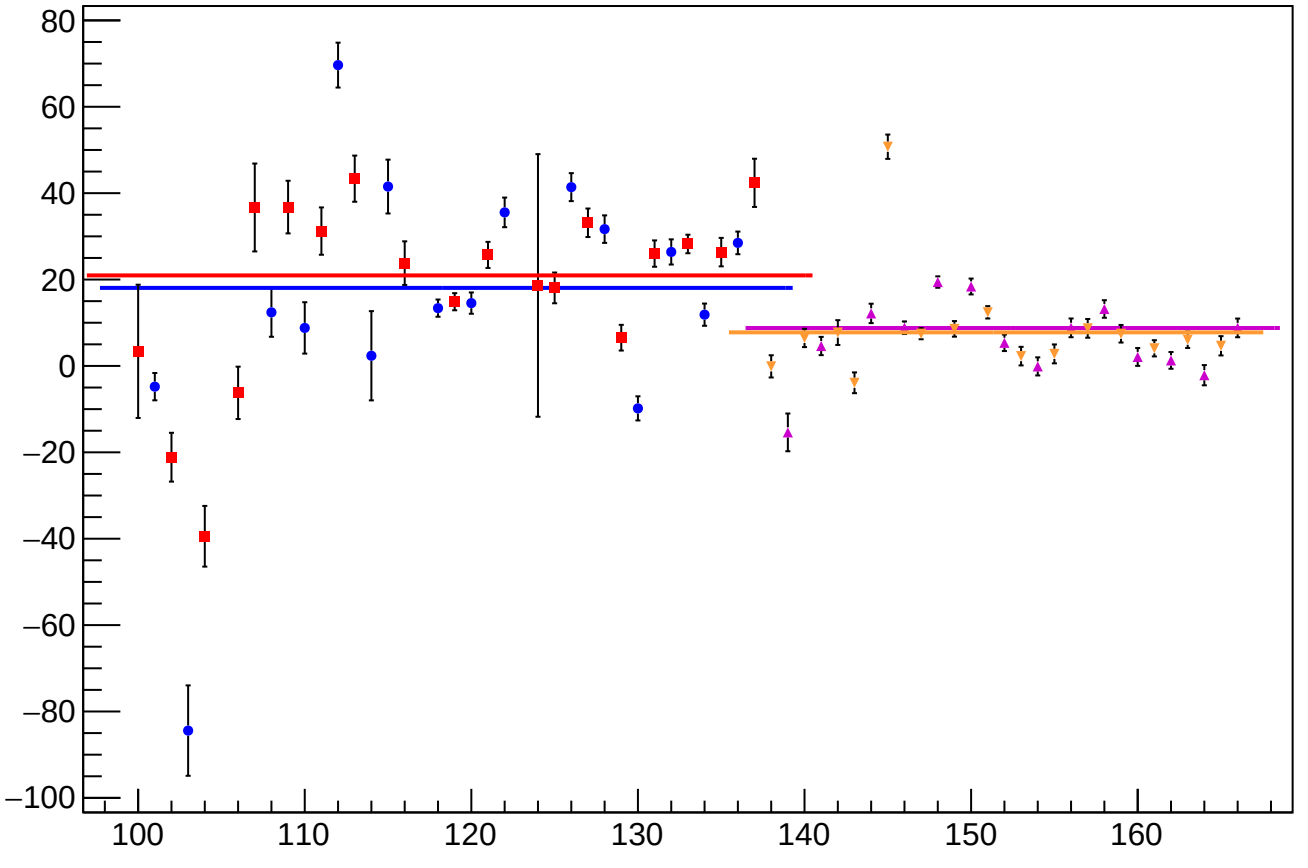
Left: -28.401+/-0.531 χ^2/NDF: 1716.0/28

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -30.731+/-0.560 χ^2/NDF:2599.2/29

Out: -32.033+/-0.568 χ^2/NDF:3063.4/33

All: -31.374+/-0.399 χ^2/NDF: 5665.3/63



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.775+/-0.511 χ^2/NDF:295.5/14

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.787+/-0.522 χ^2/NDF:202.4/13

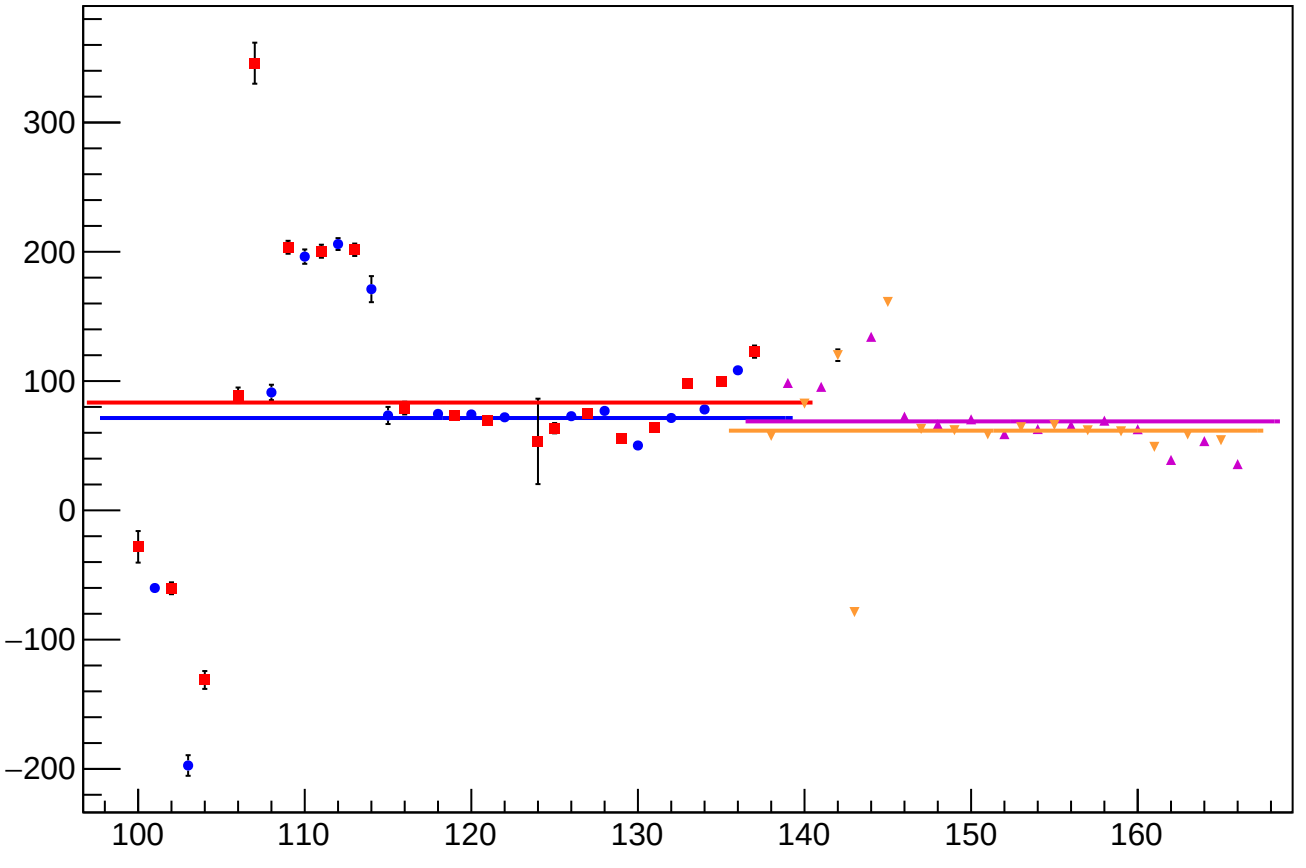
Left: 8.270+/-0.365 χ^2/NDF: 499.8/28

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 11.450+/-0.441 χ^2/NDF:792.7/29

Out: 11.167+/-0.441 χ^2/NDF:729.4/33

All: 11.309+/-0.312 χ^2/NDF: 1522.2/63



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 61.646+/-0.730 χ^2/NDF:2915.8/14

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 68.816+/-0.726 χ^2/NDF:1027.1/13

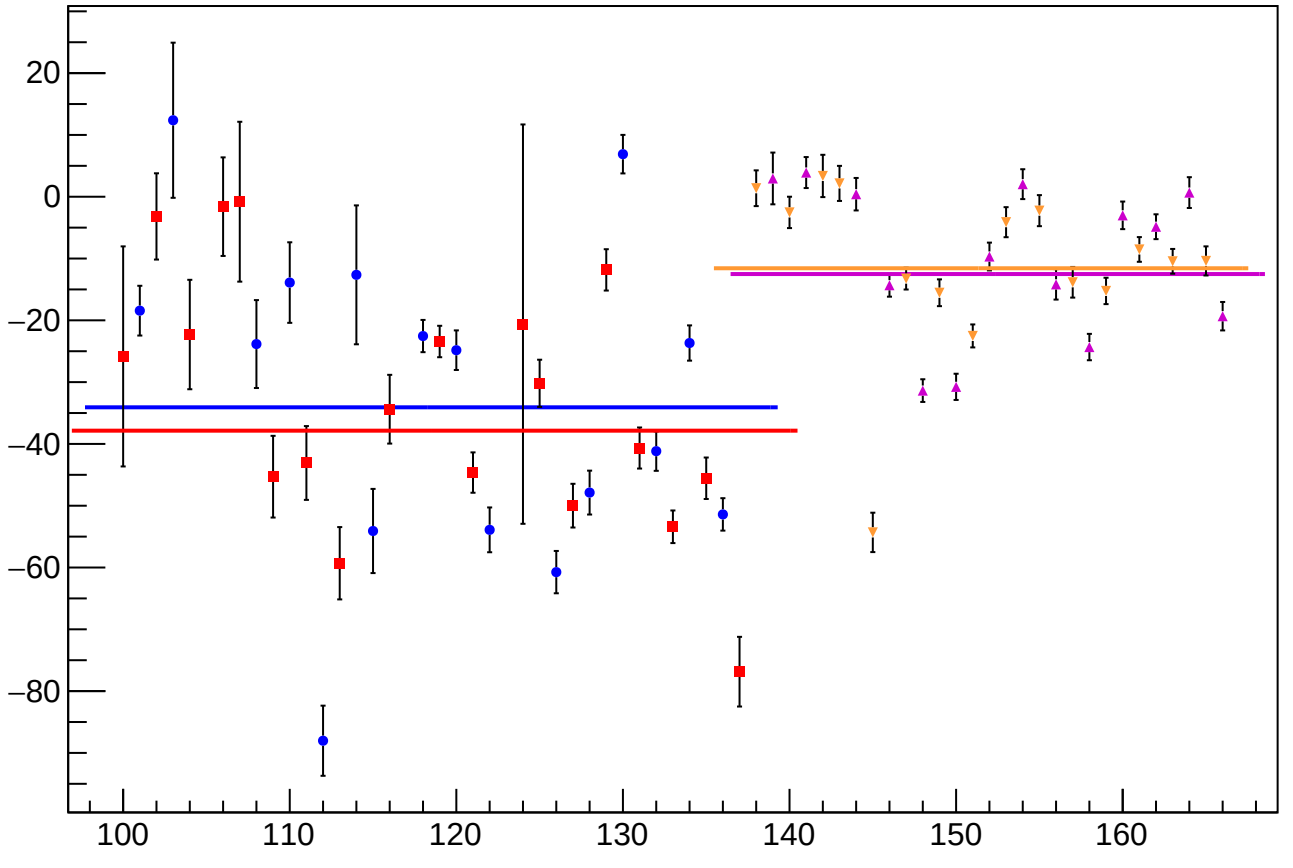
Left: 65.250+/-0.515 χ^2/NDF: 3991.4/28

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 69.801+/-0.572 χ^2/NDF:5851.5/29

Out: 69.345+/-0.586 χ^2/NDF:7527.6/33

All: 69.578+/-0.410 χ^2/NDF: 13379.4/63



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.576+/-0.598 χ^2/NDF:323.8/14

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.511+/-0.606 χ^2/NDF:399.6/13

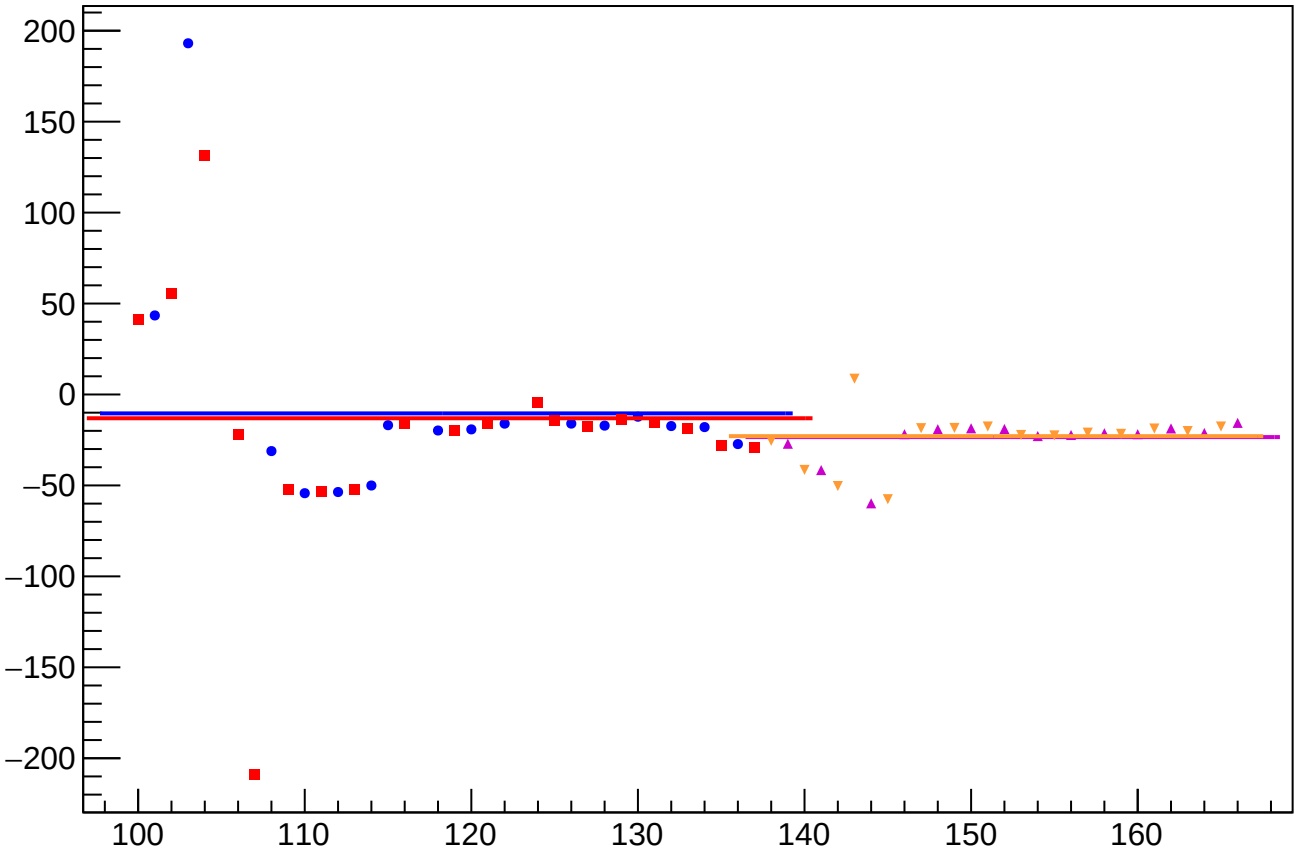
Left: -12.037+/-0.426 χ^2/NDF: 724.7/28

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.824+/-0.510 χ^2/NDF:1281.4/29

Out: -18.564+/-0.513 χ^2/NDF:1111.7/33

All: -18.695+/-0.361 χ^2/NDF: 2393.2/63



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.917+/-0.028 χ^2/NDF:183971.1/14

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -23.428+/-0.027 χ^2/NDF:107898.3/13

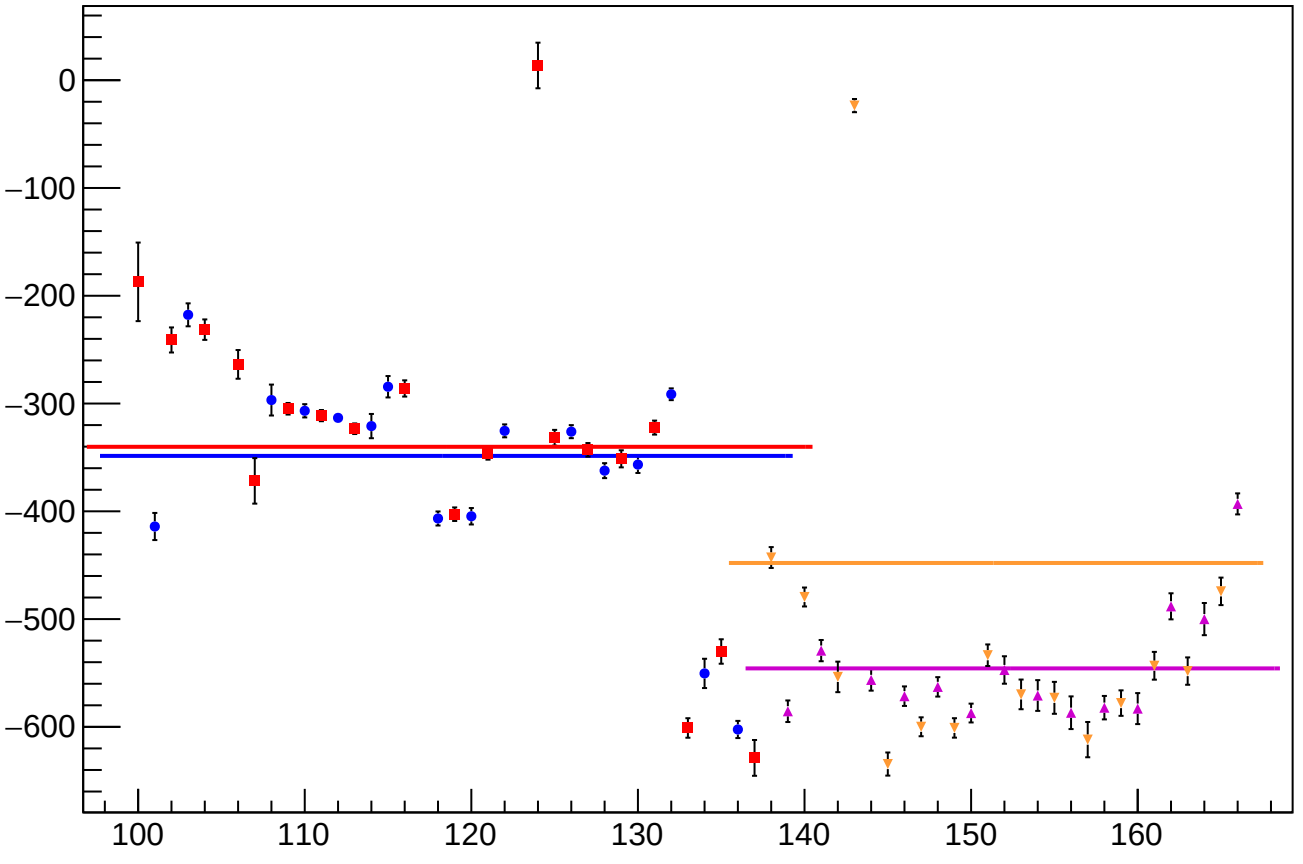
Left: -23.175+/-0.019 χ^2/NDF: 292042.7/28

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -20.986+/-0.025 χ^2/NDF:672948.0/29

Out: -21.322+/-0.025 χ^2/NDF:654287.7/33

All: -21.150+/-0.018 χ^2/NDF: 1327327.2/63



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.931+/-2.689 χ^2/NDF:6330.6/14

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -545.754+/-2.906 χ^2/NDF:359.1/13

Left: -493.059+/-1.973 χ^2/NDF: 7300.3/28

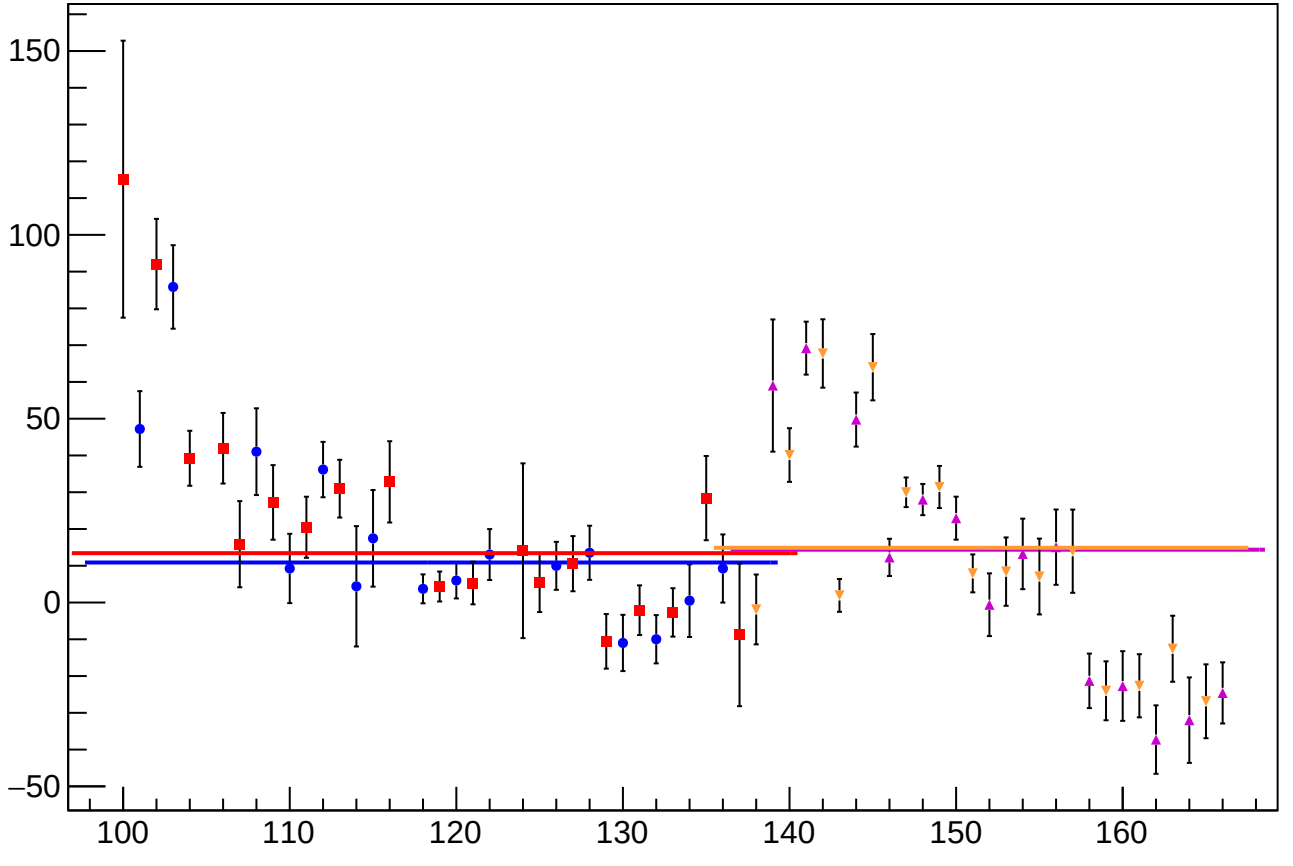
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -404.351+/-1.545 χ^2/NDF:5519.8/29

Out: -372.458+/-1.472 χ^2/NDF:9653.0/33

All: -387.633+/-1.066 χ^2/NDF: 15396.1/63

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 14.888+/-1.786 χ^2/NDF:179.9/14

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 14.366+/-1.956 χ^2/NDF:210.1/13

Left: 14.651+/-1.319 χ^2/NDF: 390.0/28

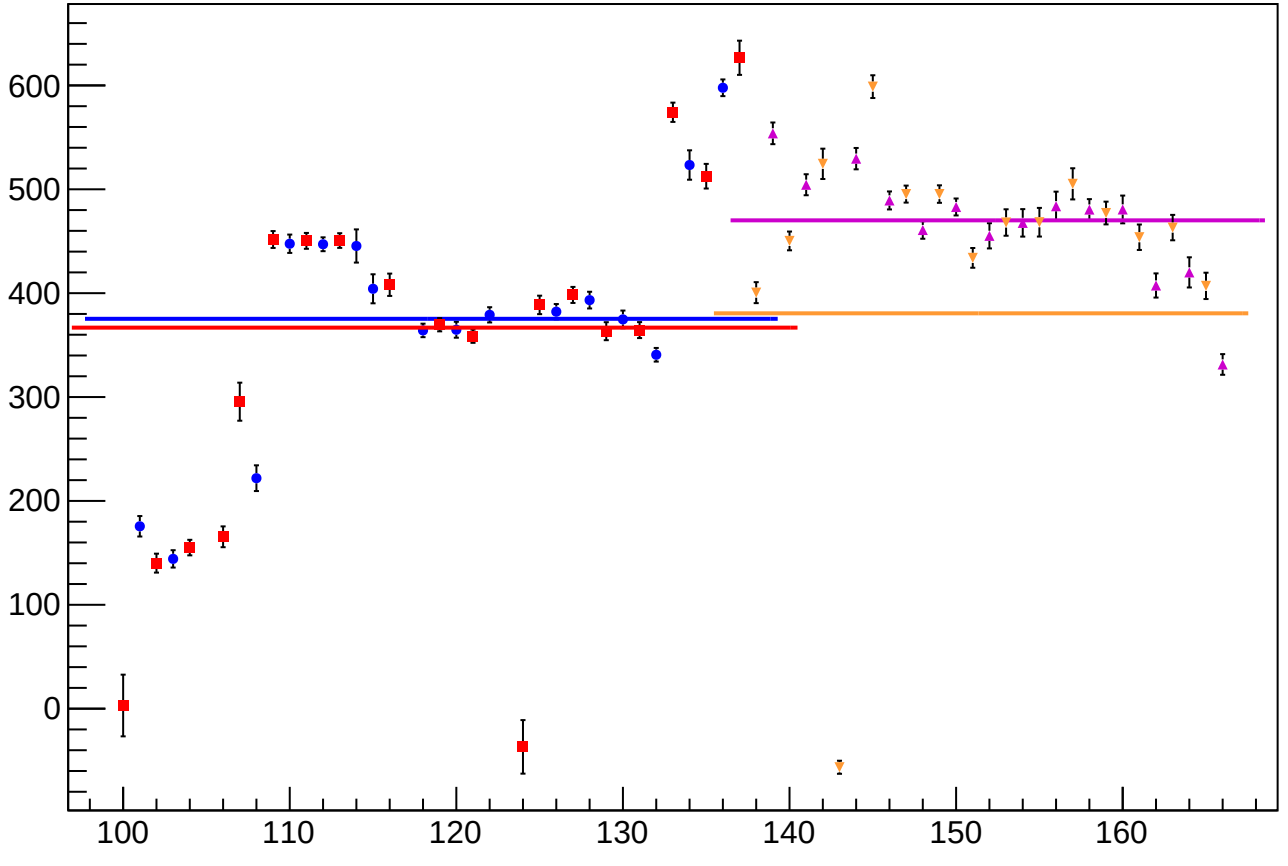
Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.524+/-1.341 χ^2/NDF:310.0/29

Out: 14.185+/-1.286 χ^2/NDF:292.6/33

All: 13.389+/-0.928 χ^2/NDF: 603.5/63

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.604+/-2.634 χ^2/NDF:6107.4/14

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 470.108+/-2.815 χ^2/NDF:357.5/13

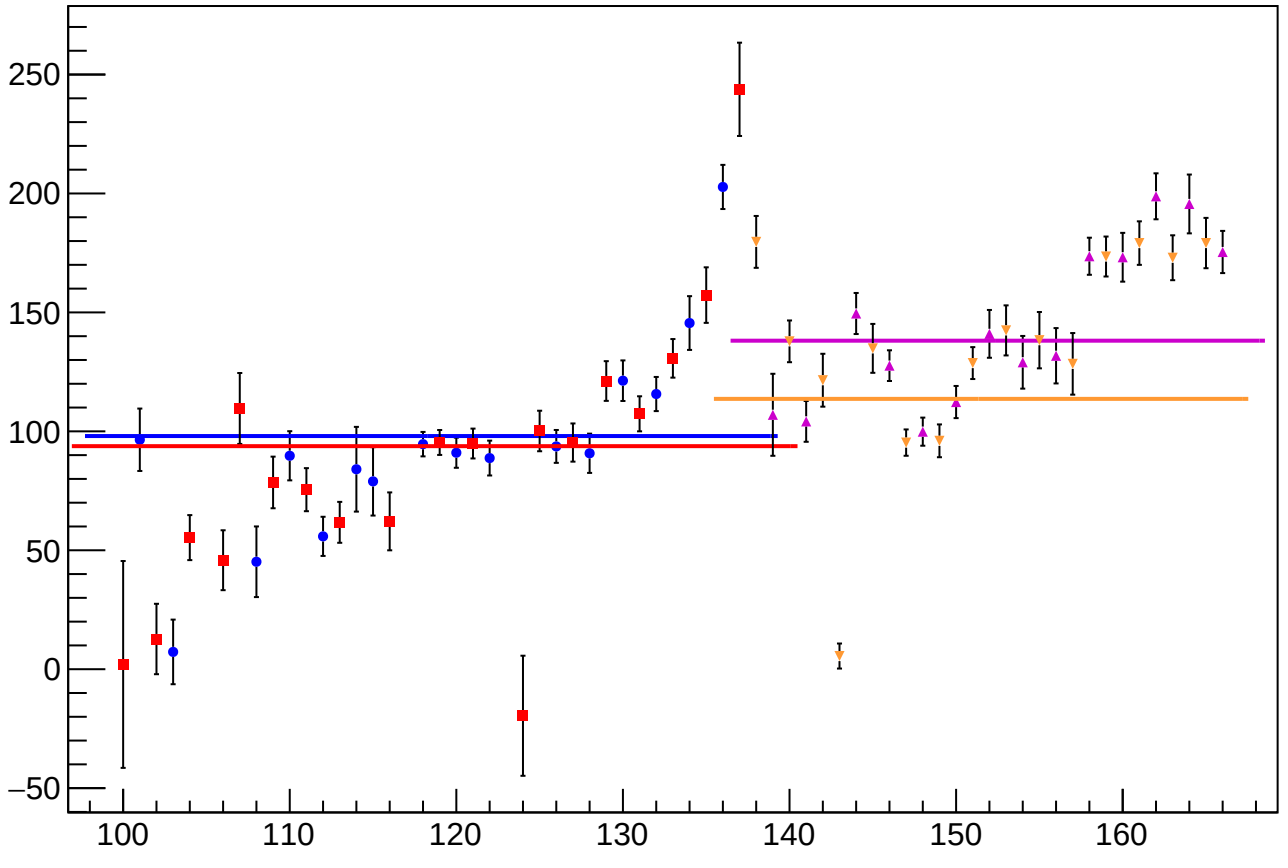
Left: 422.387+/-1.923 χ^2/NDF: 7003.9/28

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 409.268+/-1.685 χ^2/NDF:3534.7/29

Out: 372.024+/-1.618 χ^2/NDF:9665.6/33

All: 389.889+/-1.167 χ^2/NDF: 13454.6/63



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 113.650+/-2.135 χ^2/NDF:686.6/14

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 138.111+/-2.317 χ^2/NDF:192.0/13

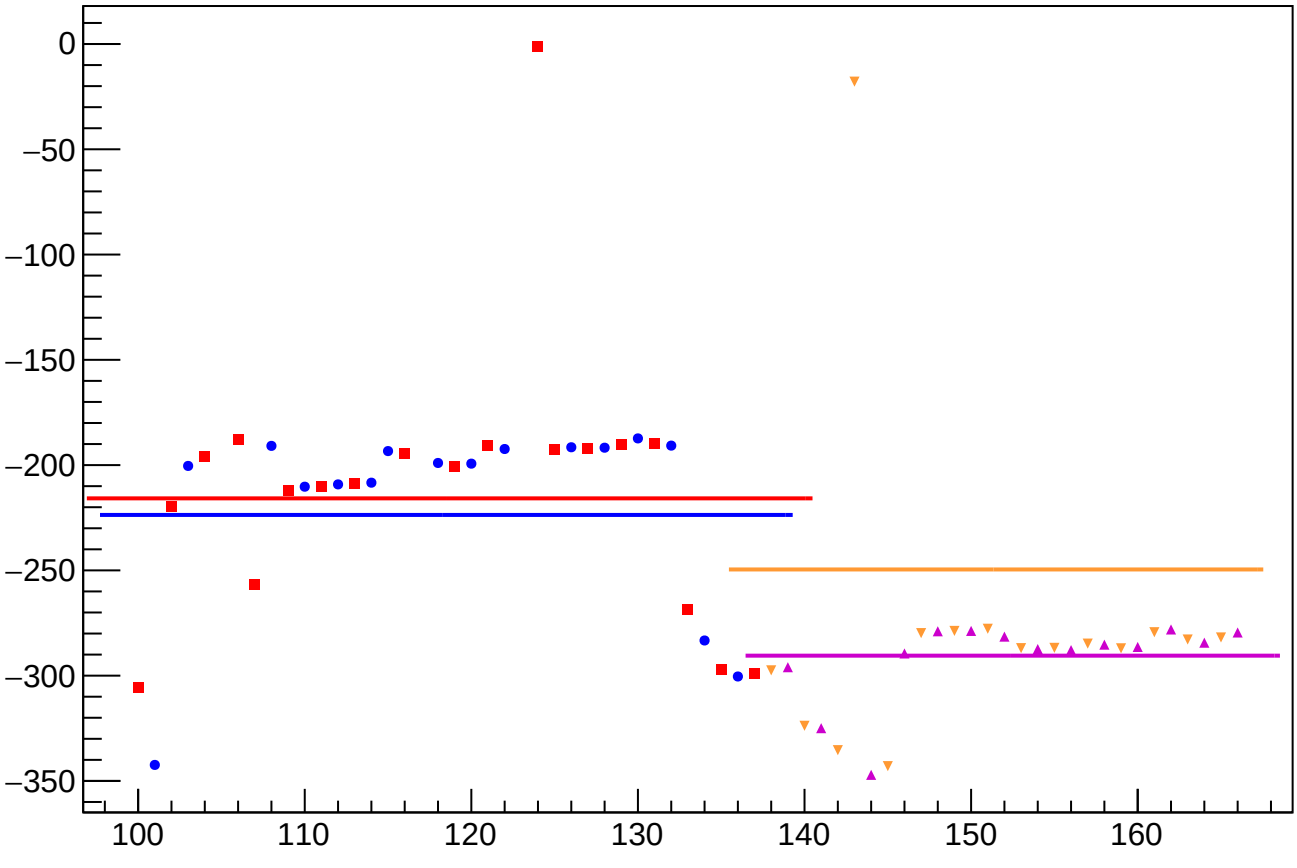
Left: 124.883+/-1.570 χ^2/NDF: 938.9/28

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 116.516+/-1.574 χ^2/NDF:602.8/29

Out: 103.726+/-1.511 χ^2/NDF:967.0/33

All: 109.861+/-1.090 χ^2/NDF: 1604.2/63



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -249.563+/-0.103 χ^2/NDF:963657.5/14

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -290.505+/-0.108 χ^2/NDF:27156.1/13

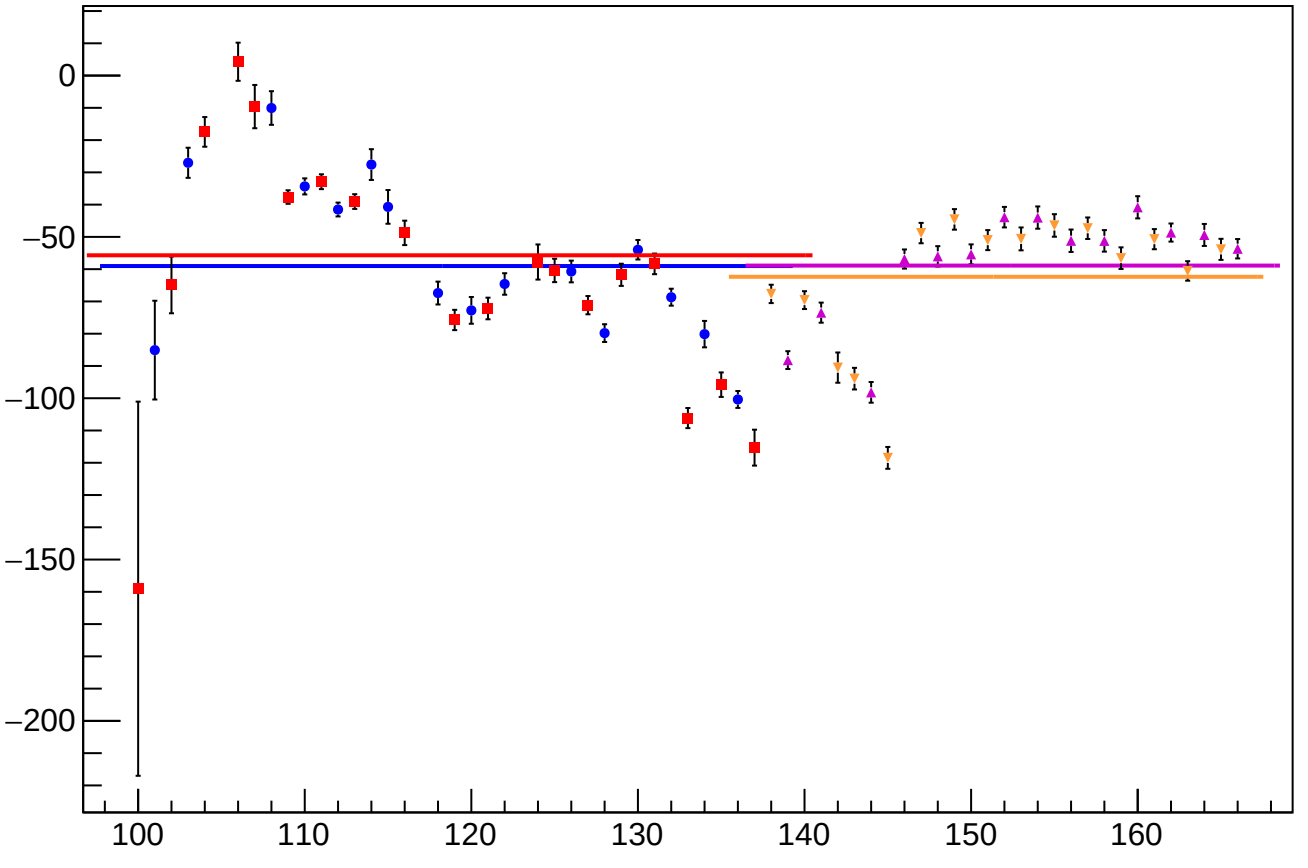
Left: -269.086+/-0.075 χ^2/NDF: 1065572.6/28

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -265.094+/-0.085 χ^2/NDF:293482.2/29

Out: -236.996+/-0.082 χ^2/NDF:1084862.8/33

All: -250.485+/-0.059 χ^2/NDF: 1434804.3/63



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.360+/-0.838 χ^2/NDF:548.8/14

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -58.888+/-0.841 χ^2/NDF:390.1/13

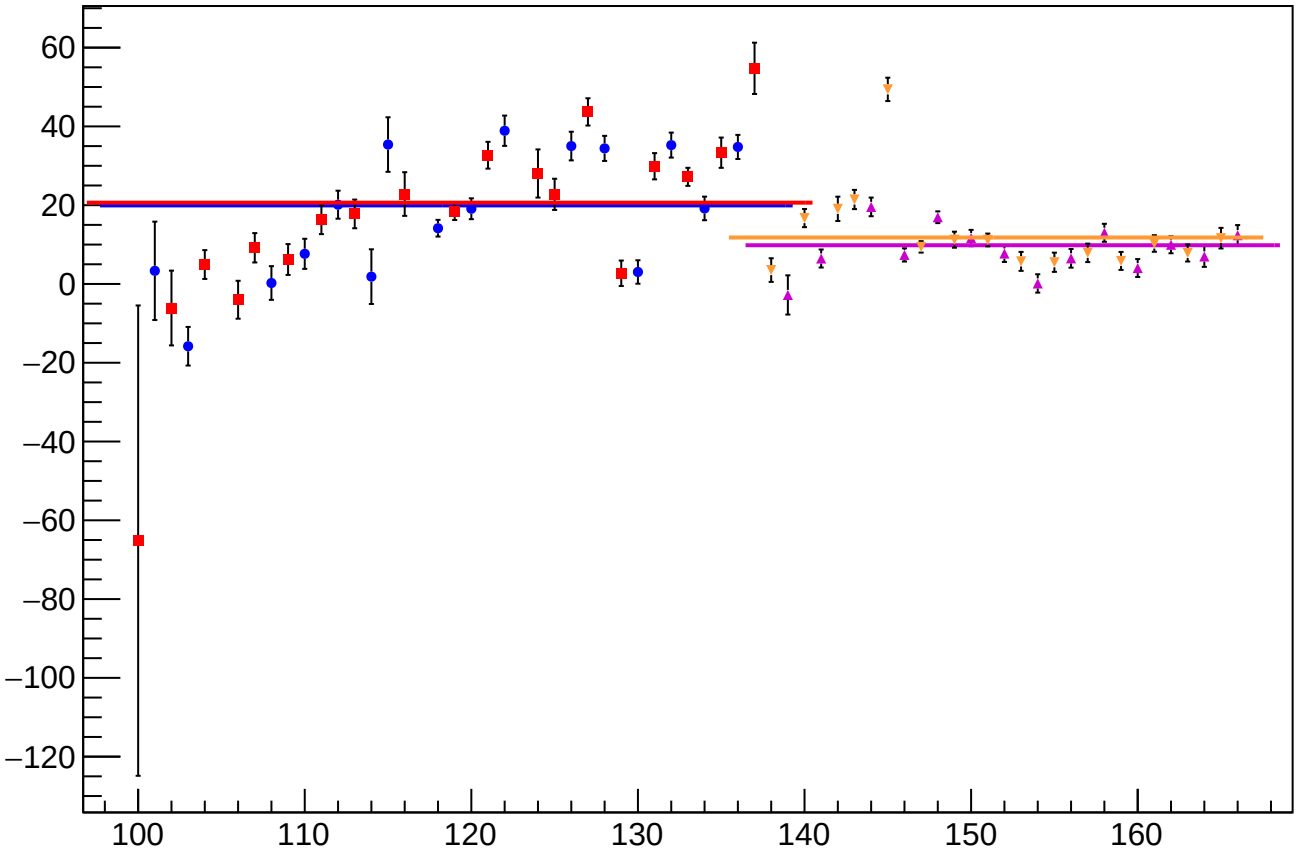
Left: -60.630+/-0.593 χ^2/NDF: 947.4/28

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.960+/-0.590 χ^2/NDF:1117.4/29

Out: -58.835+/-0.575 χ^2/NDF:1623.4/33

All: -58.896+/-0.412 χ^2/NDF: 2740.8/63



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.798+/-0.570 χ^2/NDF:223.5/14

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.829+/-0.585 χ^2/NDF:81.9/13

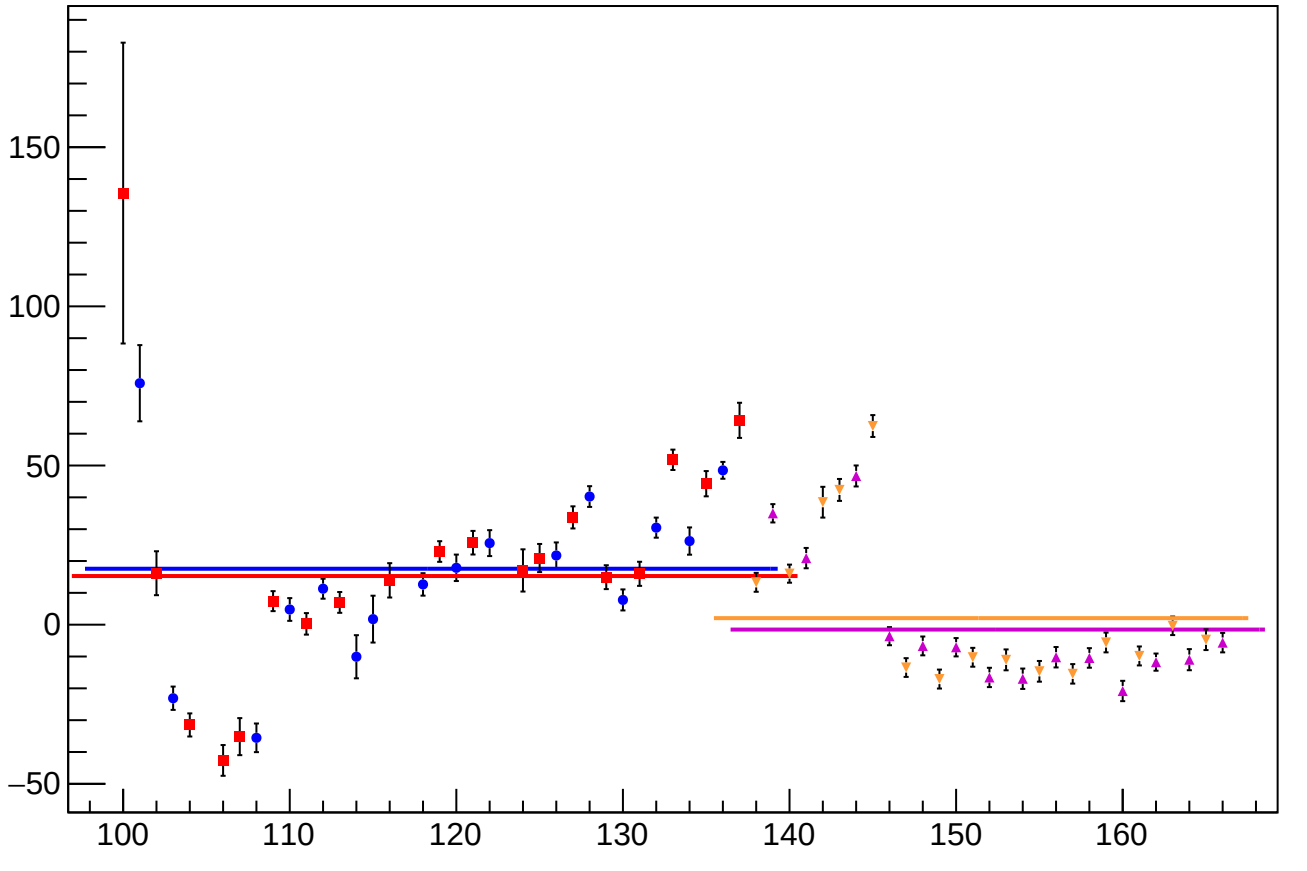
Left: 10.840+/-0.408 χ^2/NDF: 311.2/28

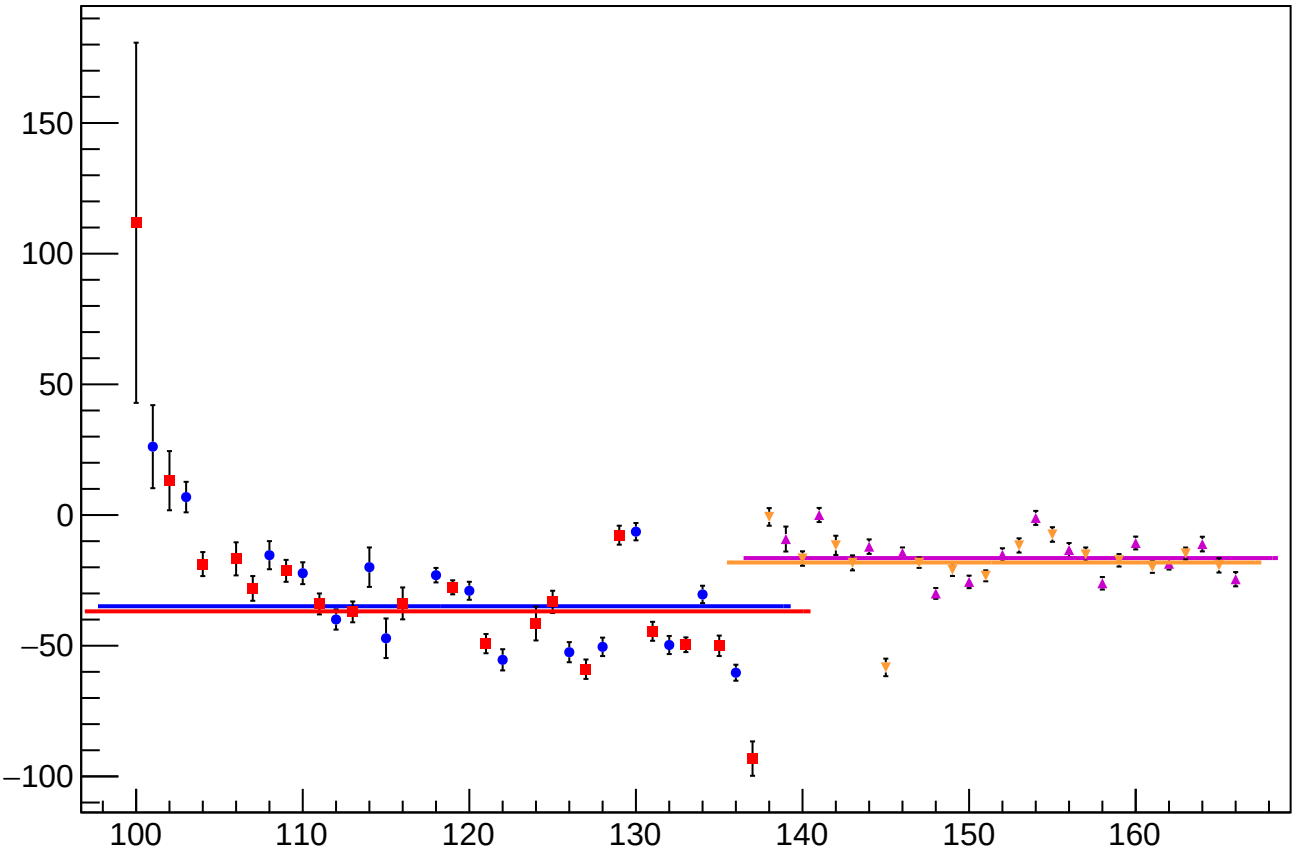
Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.994+/-0.485 χ^2/NDF:422.5/29

Out: 14.569+/-0.472 χ^2/NDF:523.7/33

All: 13.803+/-0.338 χ^2/NDF: 951.6/63


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: 17.574+/-0.957 χ²/NDF: 546.2/15
Left Out: 2.052+/-0.812 χ²/NDF:729.1/14
Right Out: 15.283+/-0.934 χ²/NDF: 730.0/18
Left In: -1.535+/-0.813 χ²/NDF:556.0/13
Left: 0.260+/-0.575 χ²/NDF: 1294.9/28
Right: 16.401+/-0.668 χ²/NDF: 1279.2/34
In: 6.482+/-0.620 χ²/NDF:1333.9/29
Out: 7.752+/-0.613 χ²/NDF:1573.4/33
All: 7.124+/-0.436 χ²/NDF: 2909.4/63



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.152+/-0.667 χ^2/NDF:205.4/14

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.463+/-0.679 χ^2/NDF:168.7/13

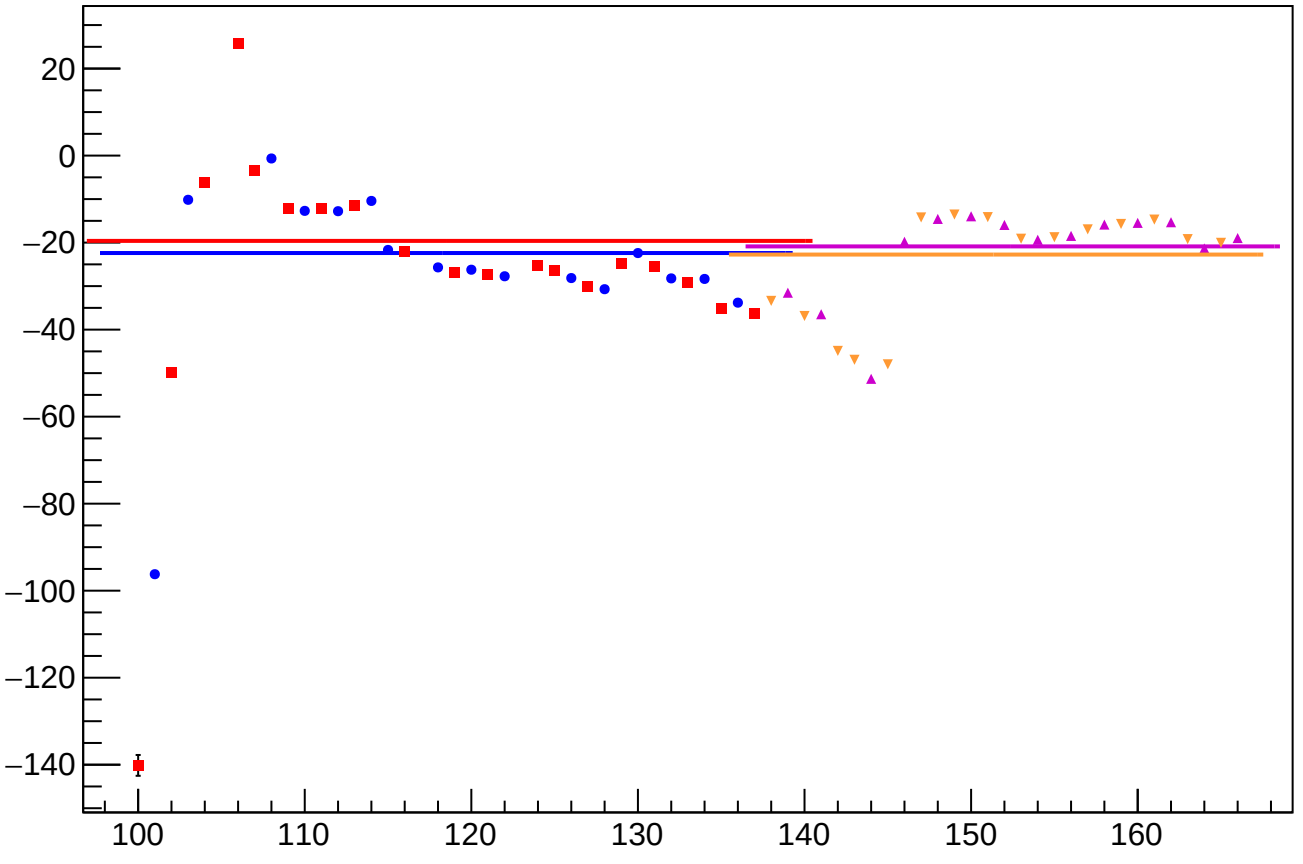
Left: -17.323+/-0.476 χ^2/NDF: 377.3/28

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -22.361+/-0.560 χ^2/NDF:751.0/29

Out: -24.159+/-0.549 χ^2/NDF:759.4/33

All: -23.278+/-0.392 χ^2/NDF: 1515.7/63



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.748+/-0.031 χ^2/NDF:129578.3/14

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.872+/-0.031 χ^2/NDF:84625.9/13

Left: -21.806+/-0.022 χ^2/NDF: 216080.0/28

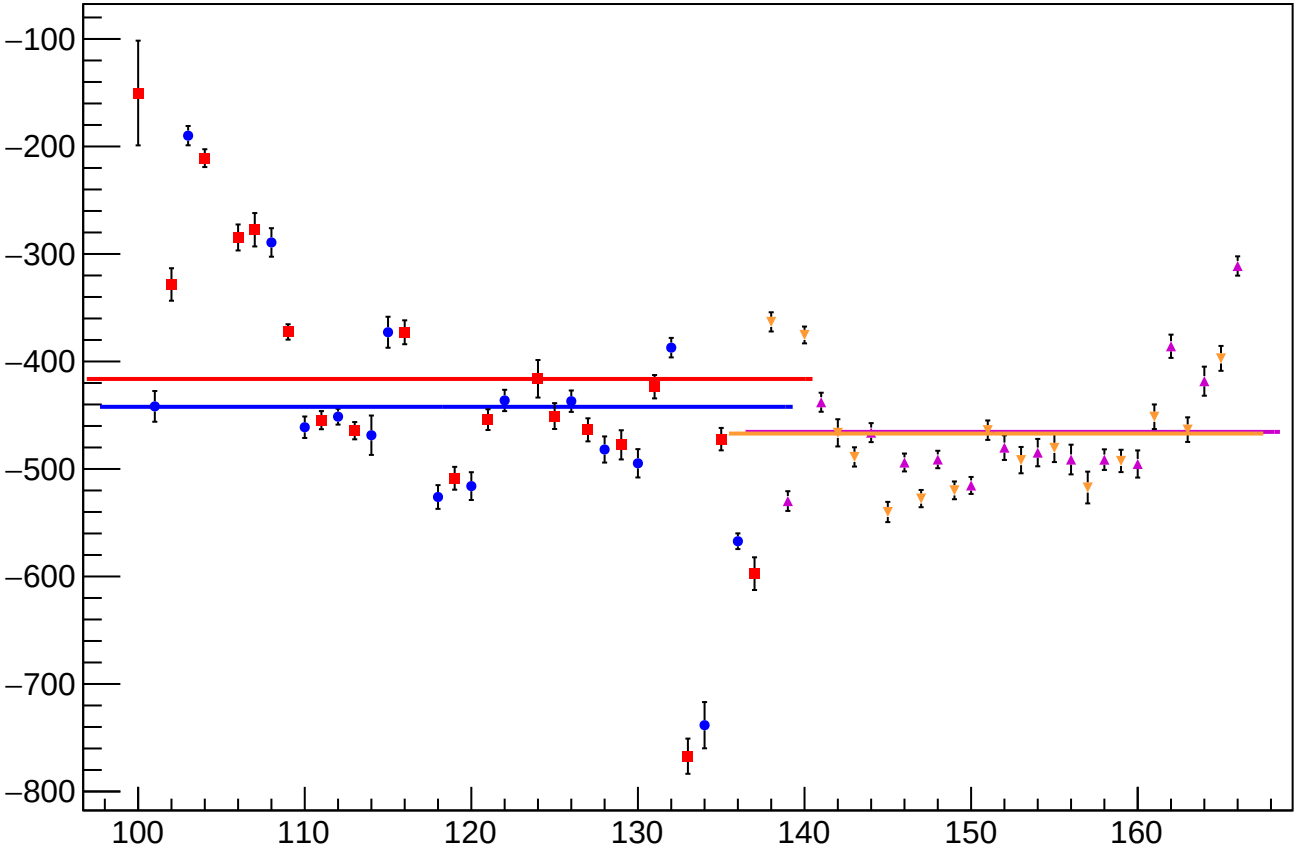
Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.200+/-0.027 χ^2/NDF:131680.1/29

Out: -22.087+/-0.027 χ^2/NDF:215650.4/33

All: -21.640+/-0.019 χ^2/NDF: 347863.0/63

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -467.051+/-2.580 χ^2/NDF:497.6/14

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -465.503+/-2.619 χ^2/NDF:502.6/13

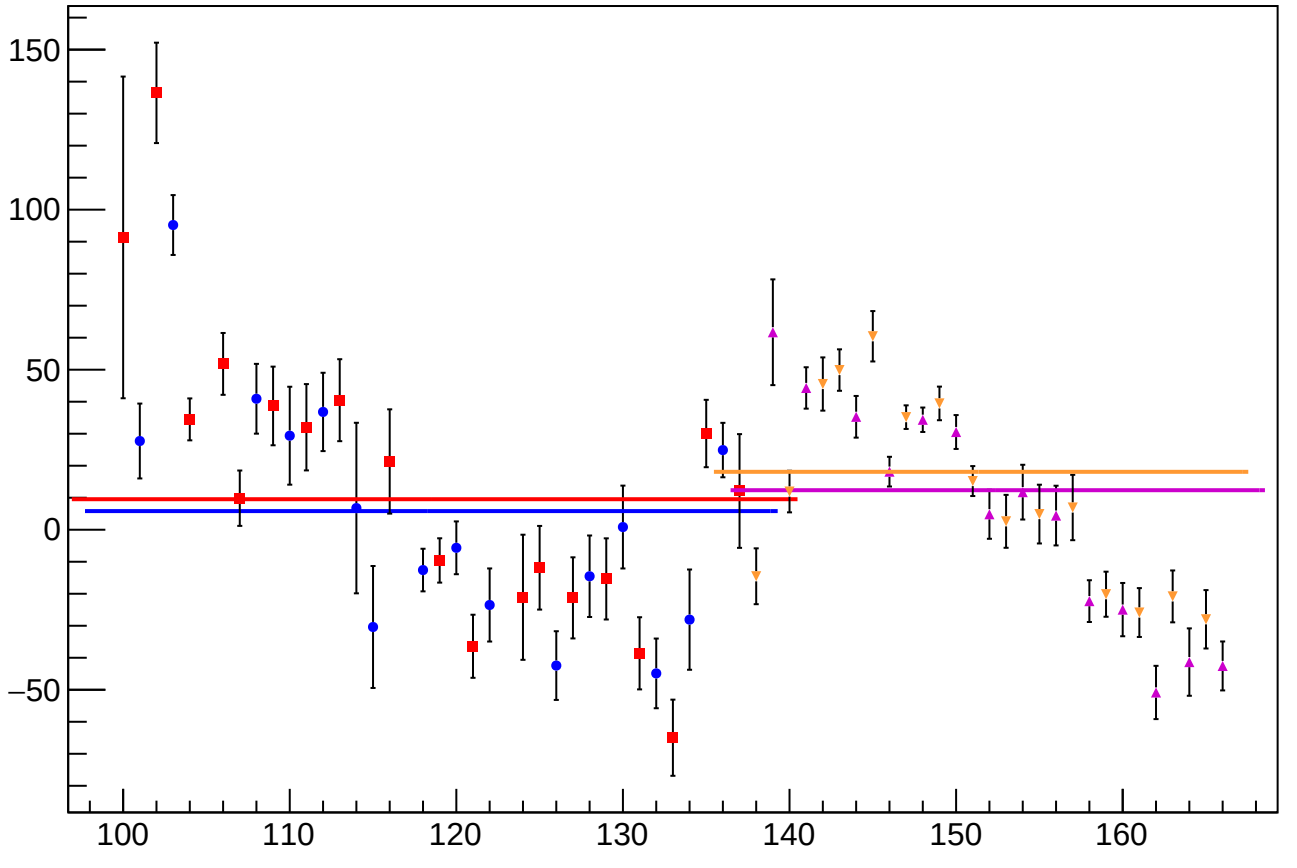
Left: -466.289+/-1.838 χ^2/NDF: 1000.3/28

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.117+/-1.874 χ^2/NDF:2130.4/29

Out: -441.079+/-1.804 χ^2/NDF:2449.5/33

All: -447.350+/-1.300 χ^2/NDF: 4605.0/63



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 18.094+/-1.697 χ^2/NDF:235.2/14

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 12.351+/-1.761 χ^2/NDF:277.6/13

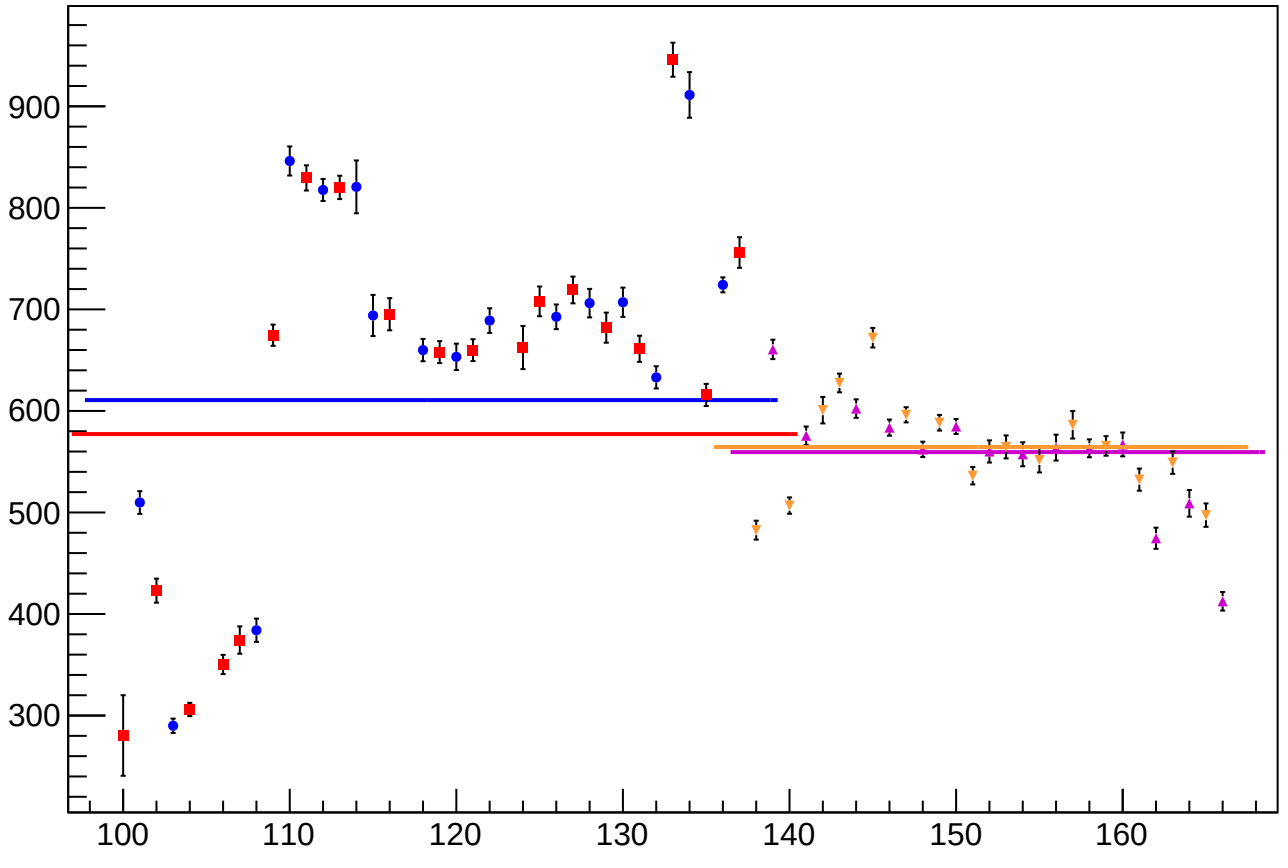
Left: 15.329+/-1.222 χ^2/NDF: 518.3/28

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 10.432+/-1.479 χ^2/NDF:469.7/29

Out: 15.477+/-1.414 χ^2/NDF:465.2/33

All: 13.069+/-1.022 χ^2/NDF: 941.0/63



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 564.494+/-2.512 χ^2/NDF:394.8/14

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 559.451+/-2.537 χ^2/NDF:497.8/13

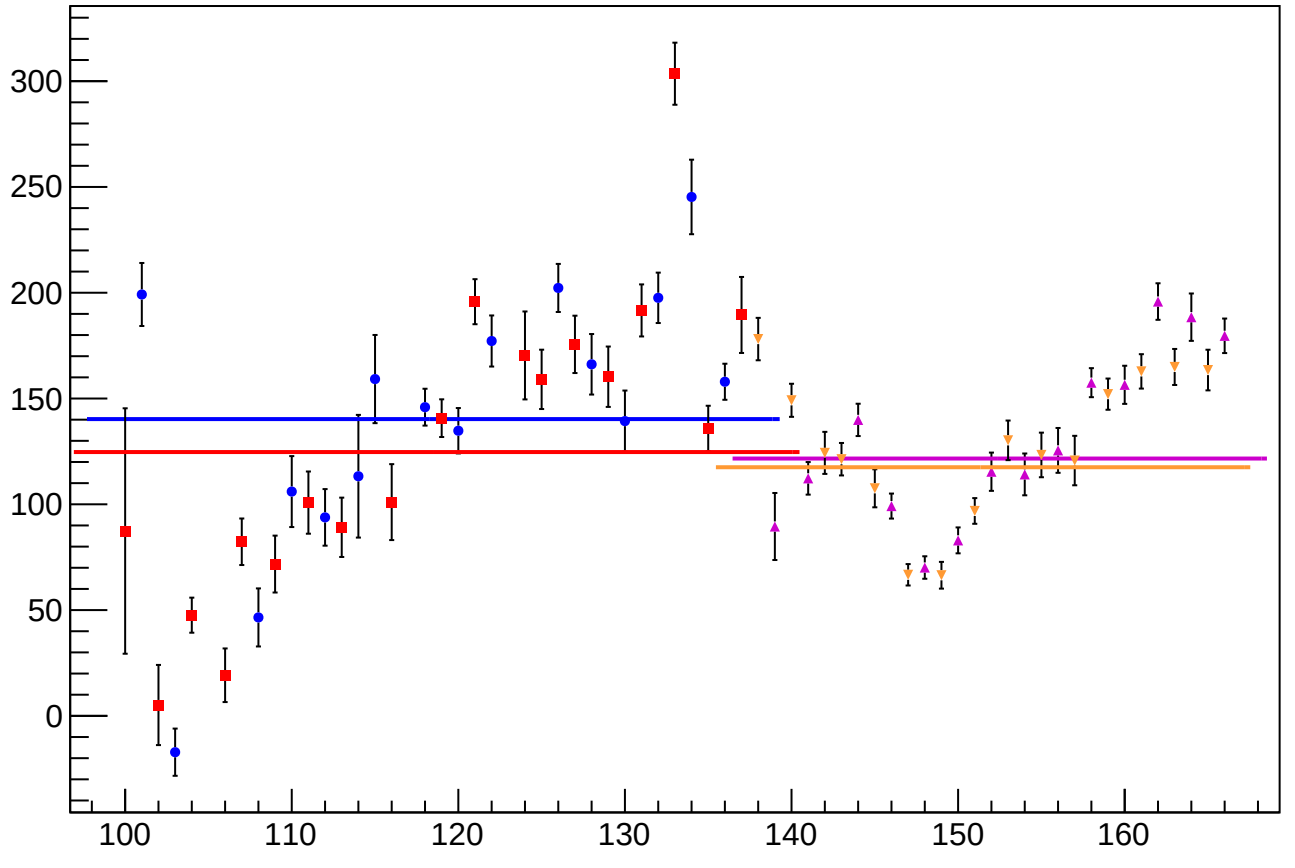
Left: 561.997+/-1.785 χ^2/NDF: 894.6/28

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 581.717+/-1.907 χ^2/NDF:4567.6/29

Out: 570.265+/-1.856 χ^2/NDF:5206.7/33

All: 575.837+/-1.330 χ^2/NDF: 9792.9/63



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 117.517+/-2.029 χ^2/NDF:341.6/14

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 121.629+/-2.085 χ^2/NDF:363.1/13

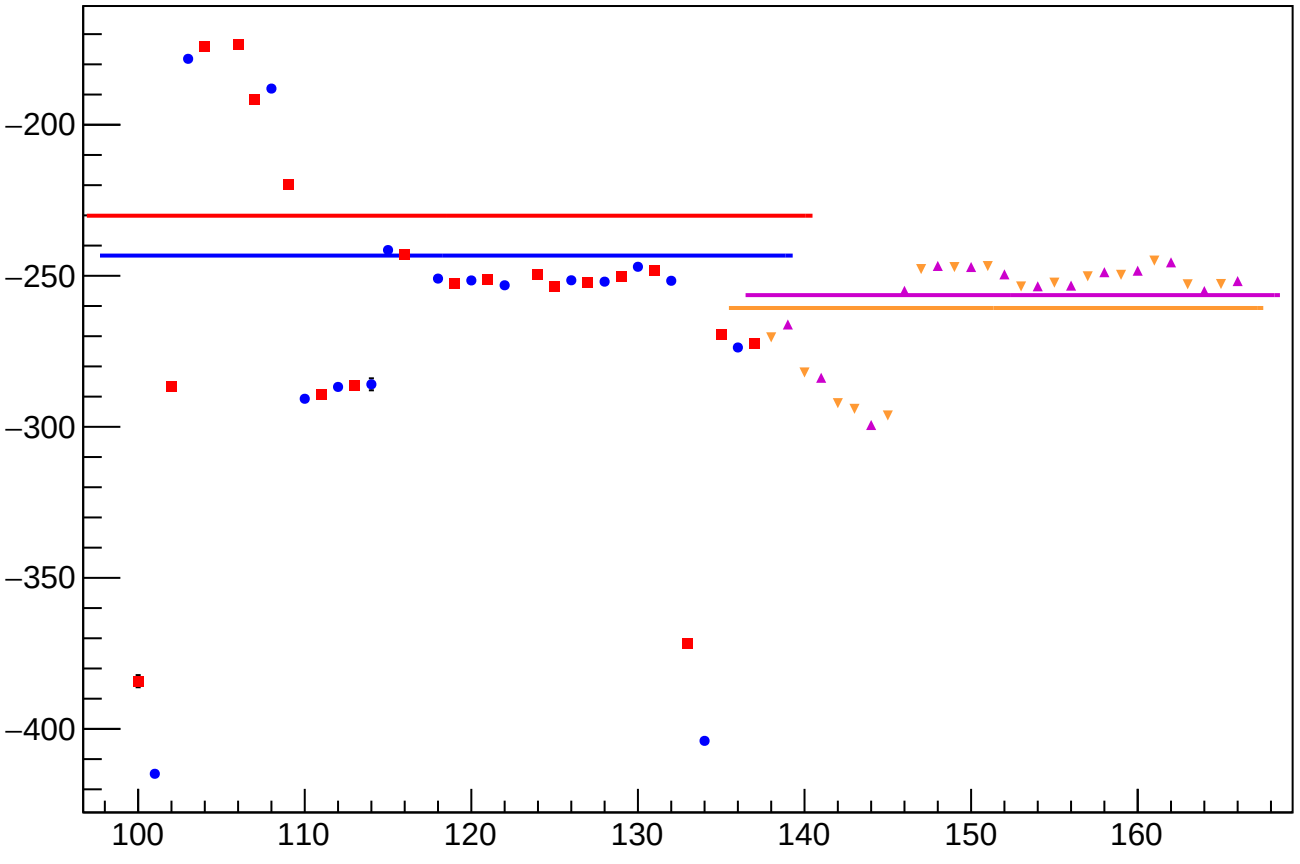
Left: 119.517+/-1.454 χ^2/NDF: 706.7/28

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.307+/-1.739 χ^2/NDF:772.9/29

Out: 119.793+/-1.677 χ^2/NDF:854.1/33

All: 123.414+/-1.207 χ^2/NDF: 1636.6/63



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -260.660+/-0.098 χ^2/NDF:33599.3/14

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.398+/-0.098 χ^2/NDF:21703.8/13

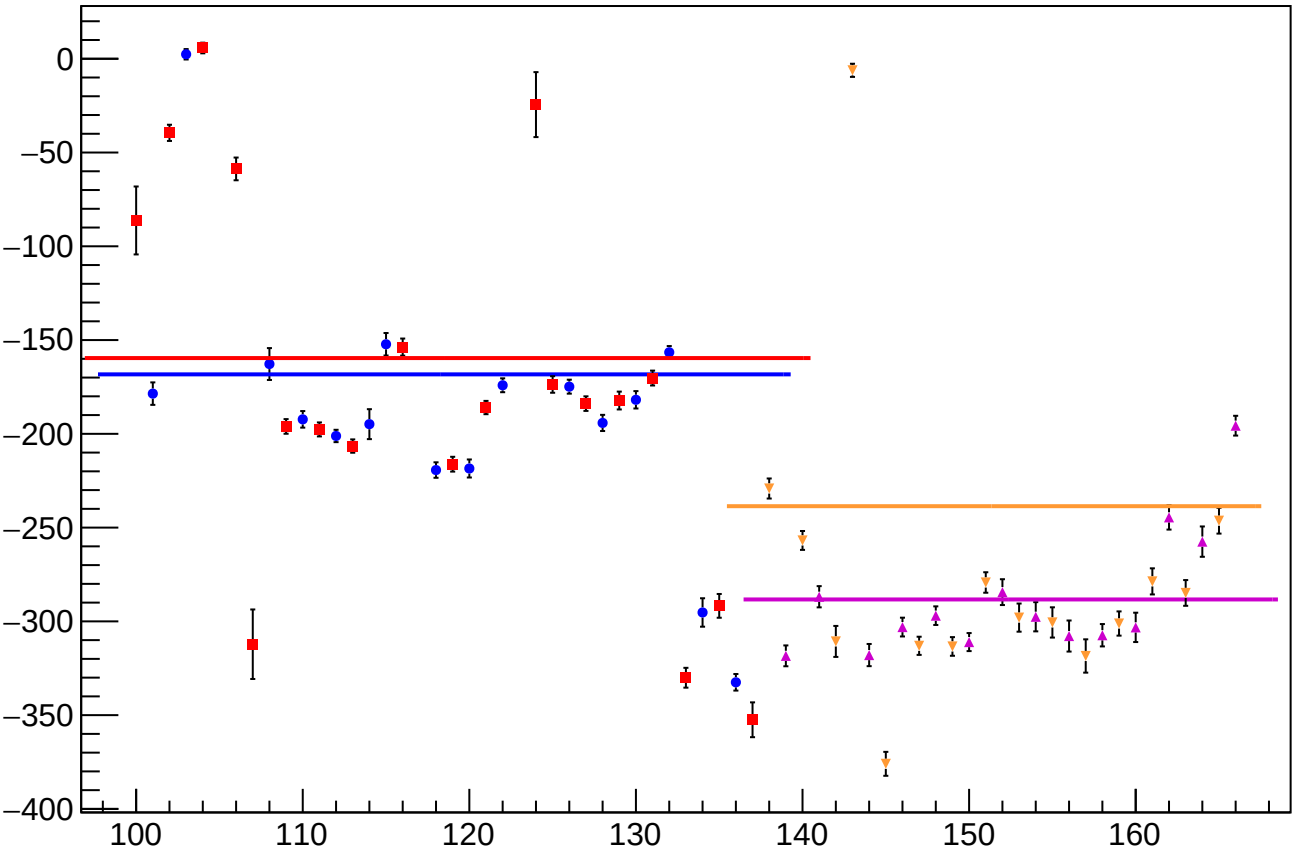
Left: -258.521+/-0.069 χ^2/NDF: 56253.6/28

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.931+/-0.084 χ^2/NDF:199961.5/29

Out: -252.132+/-0.083 χ^2/NDF:163219.0/33

All: -252.529+/-0.059 χ^2/NDF: 363226.4/63



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.586+/-1.500 χ^2/NDF:5835.5/14

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -288.314+/-1.607 χ^2/NDF:477.9/13

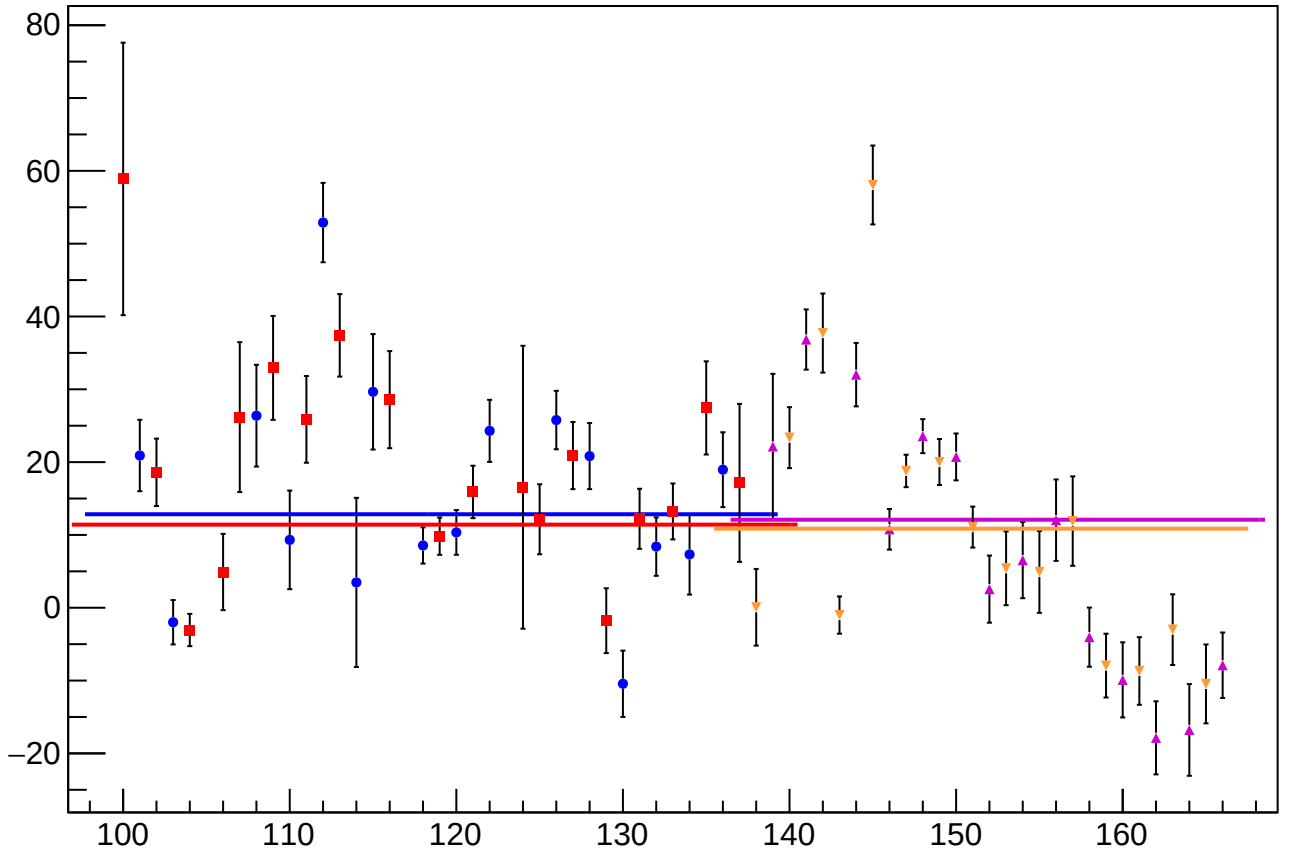
Left: -261.751+/-1.097 χ^2/NDF: 6825.0/28

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.440+/-0.894 χ^2/NDF:10238.4/29

Out: -185.310+/-0.856 χ^2/NDF:14902.4/33

All: -194.940+/-0.618 χ^2/NDF: 25405.3/63



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.862+/-0.993 χ^2/NDF:218.2/14

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 12.090+/-1.080 χ^2/NDF:205.1/13

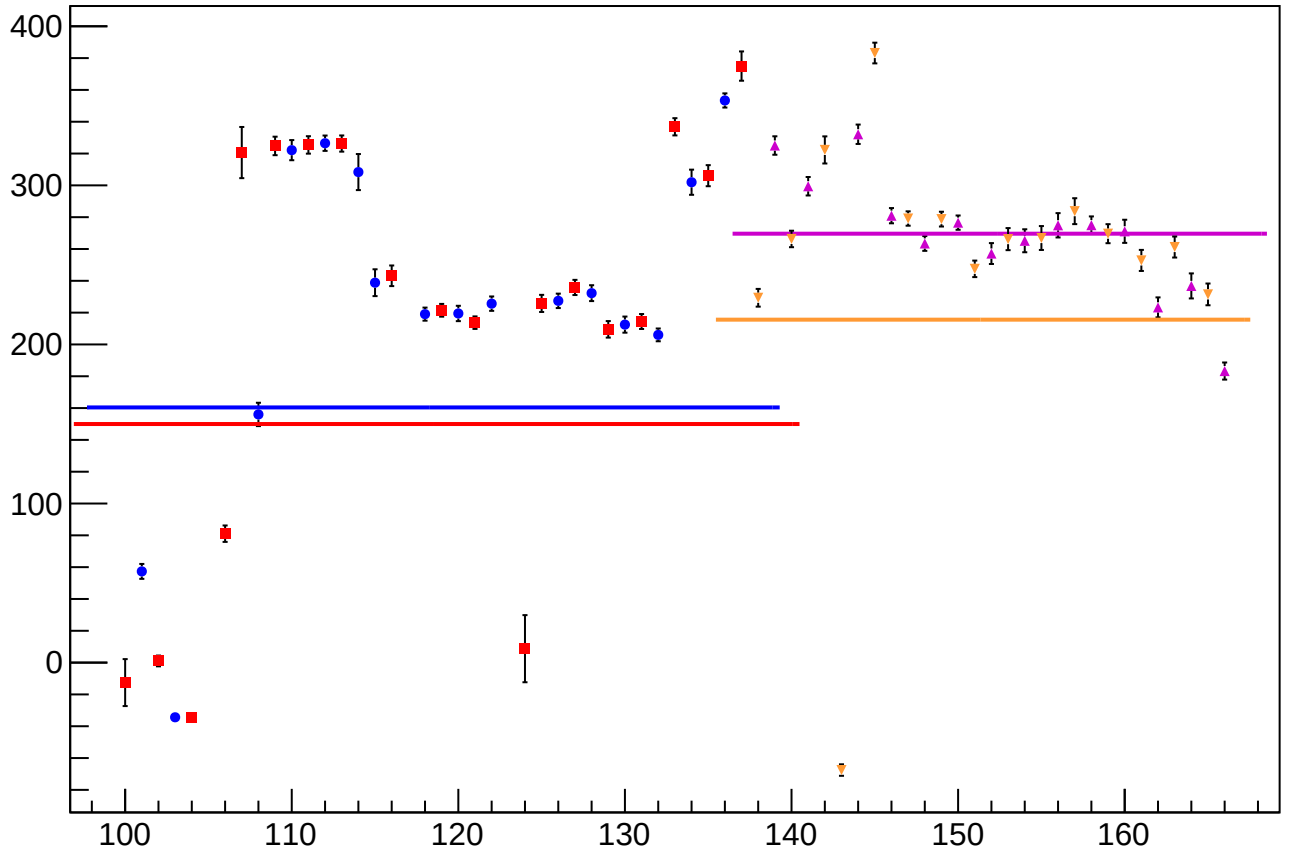
Left: 11.425+/-0.731 χ^2/NDF: 424.0/28

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.467+/-0.762 χ^2/NDF:349.0/29

Out: 11.126+/-0.717 χ^2/NDF:337.9/33

All: 11.755+/-0.522 χ^2/NDF: 688.6/63



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.577+/-1.467 χ^2/NDF:7830.9/14

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 269.621+/-1.555 χ^2/NDF:568.1/13

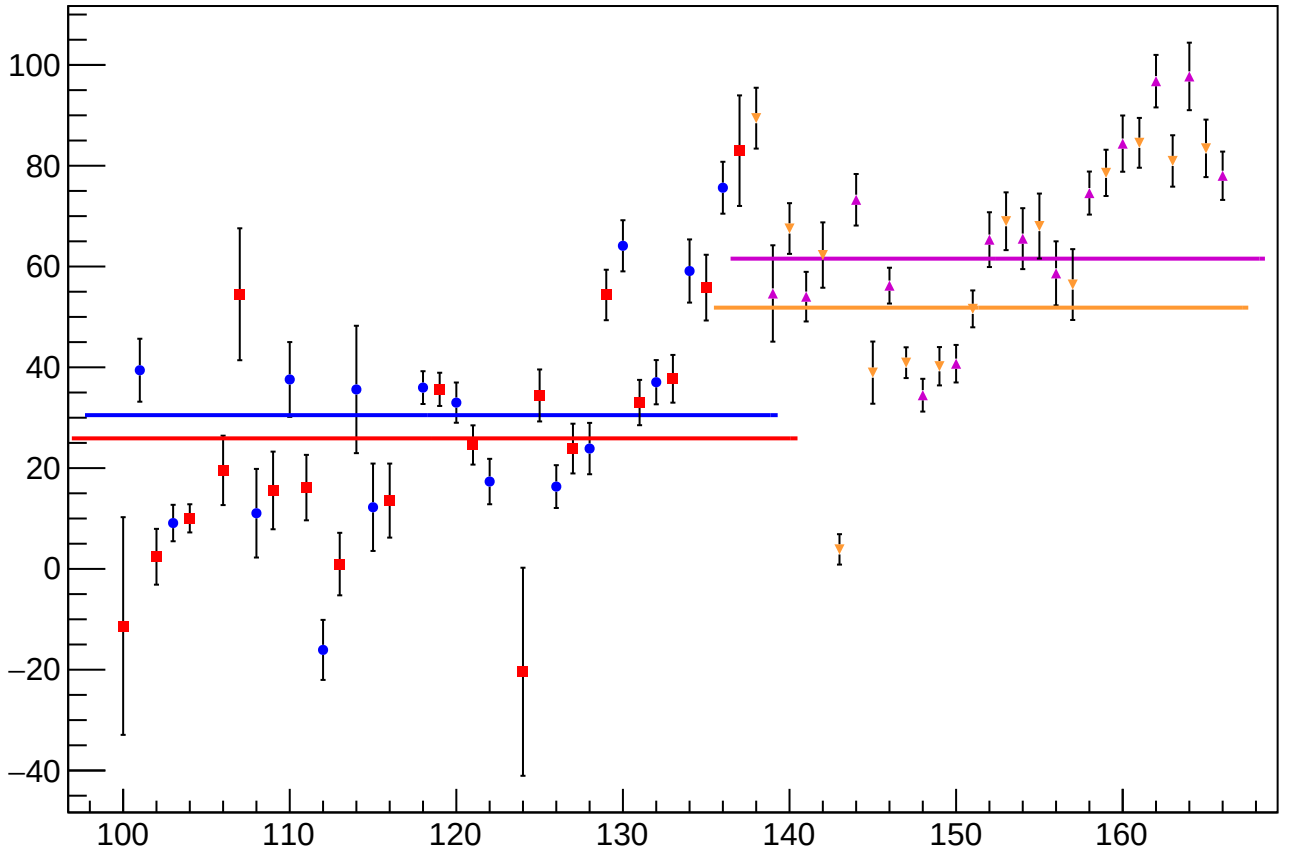
Left: 241.028+/-1.067 χ^2/NDF: 9038.3/28

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 198.548+/-0.919 χ^2/NDF:17728.8/29

Out: 173.771+/-0.884 χ^2/NDF:25370.6/33

All: 185.674+/-0.637 χ^2/NDF: 43477.2/63



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 51.840+/-1.187 χ^2/NDF:487.1/14

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 61.562+/-1.278 χ^2/NDF:224.9/13

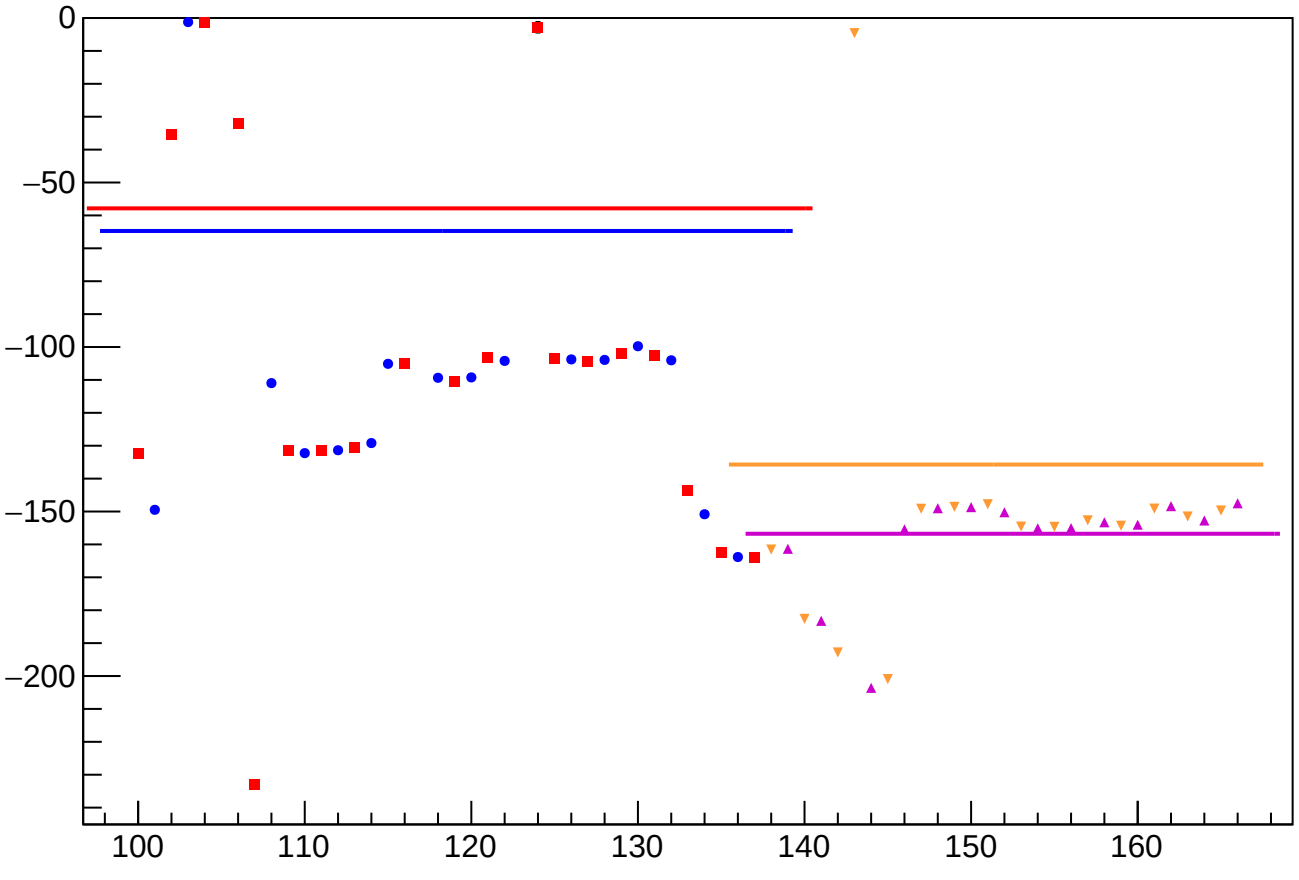
Left: 56.339+/-0.870 χ^2/NDF: 743.1/28

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 45.743+/-0.895 χ^2/NDF:802.4/29

Out: 39.158+/-0.848 χ^2/NDF:908.5/33

All: 42.273+/-0.616 χ^2/NDF: 1739.4/63



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.719+/-0.057 χ^2/NDF:958042.1/14

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -156.758+/-0.060 χ^2/NDF:50575.4/13

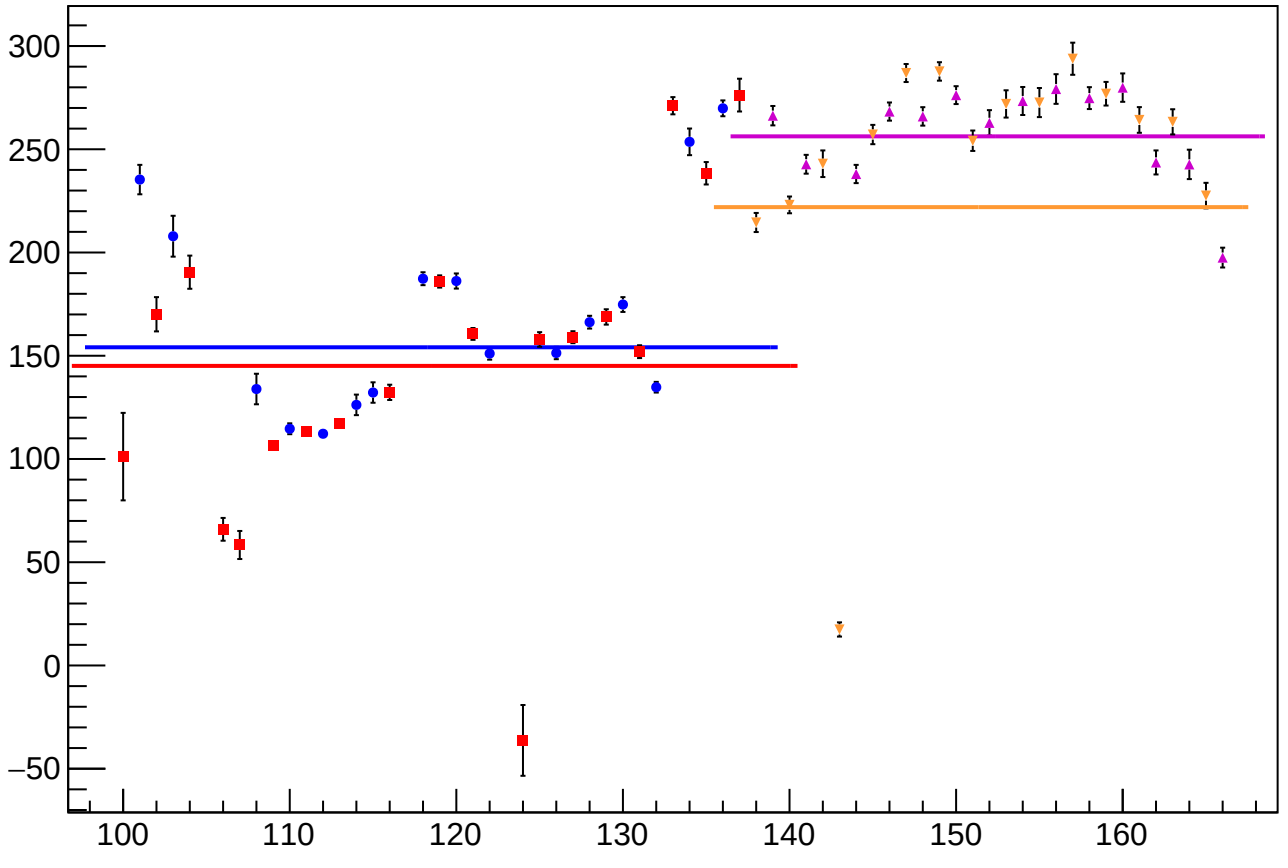
Left: -145.830+/-0.041 χ^2/NDF: 1073180.5/28

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -113.808+/-0.044 χ^2/NDF:2205020.4/29

Out: -99.874+/-0.042 χ^2/NDF:2680899.3/33

All: -106.612+/-0.030 χ^2/NDF: 4938712.9/63



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.973+/-1.320 χ^2/NDF:4454.9/14

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 256.253+/-1.391 χ^2/NDF:263.4/13

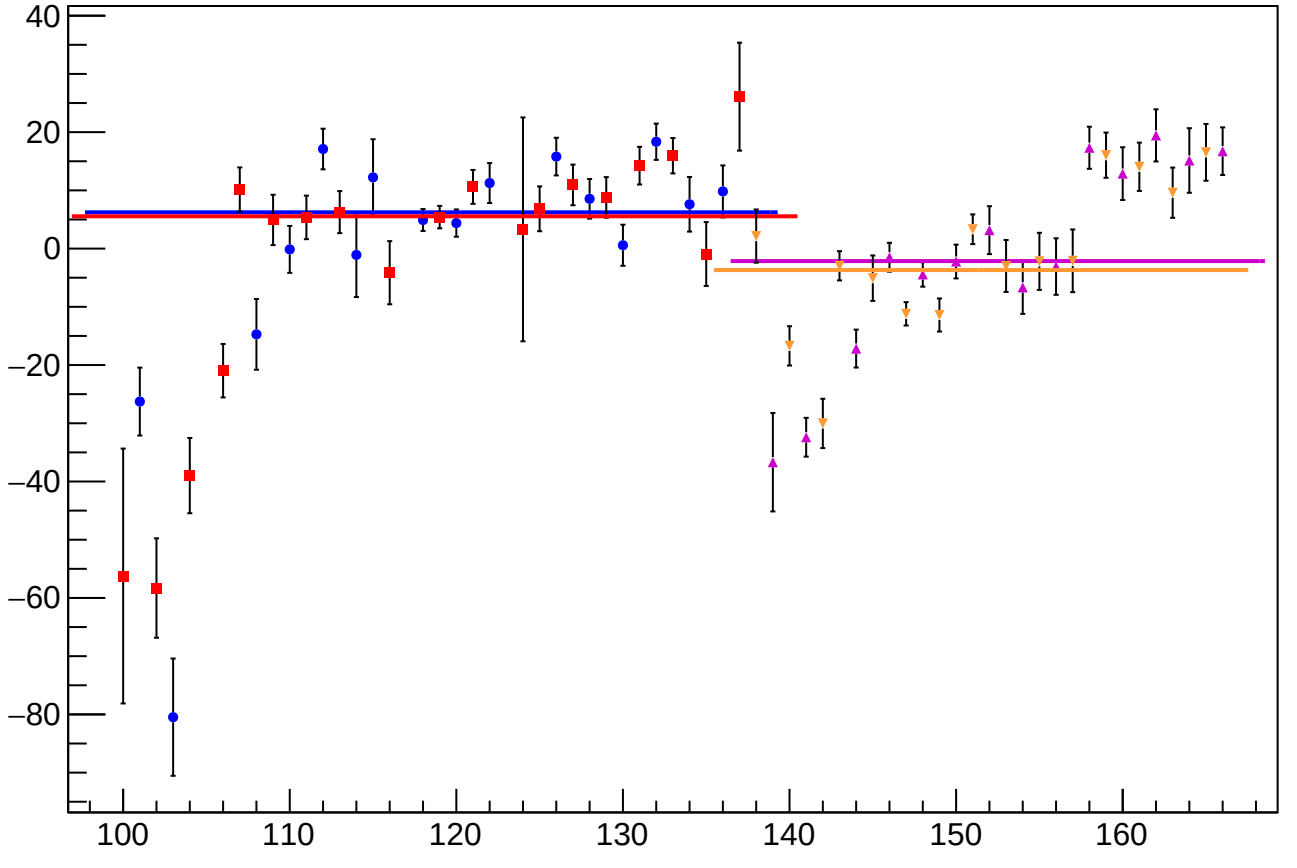
Left: 238.215+/-0.957 χ^2/NDF: 5038.0/28

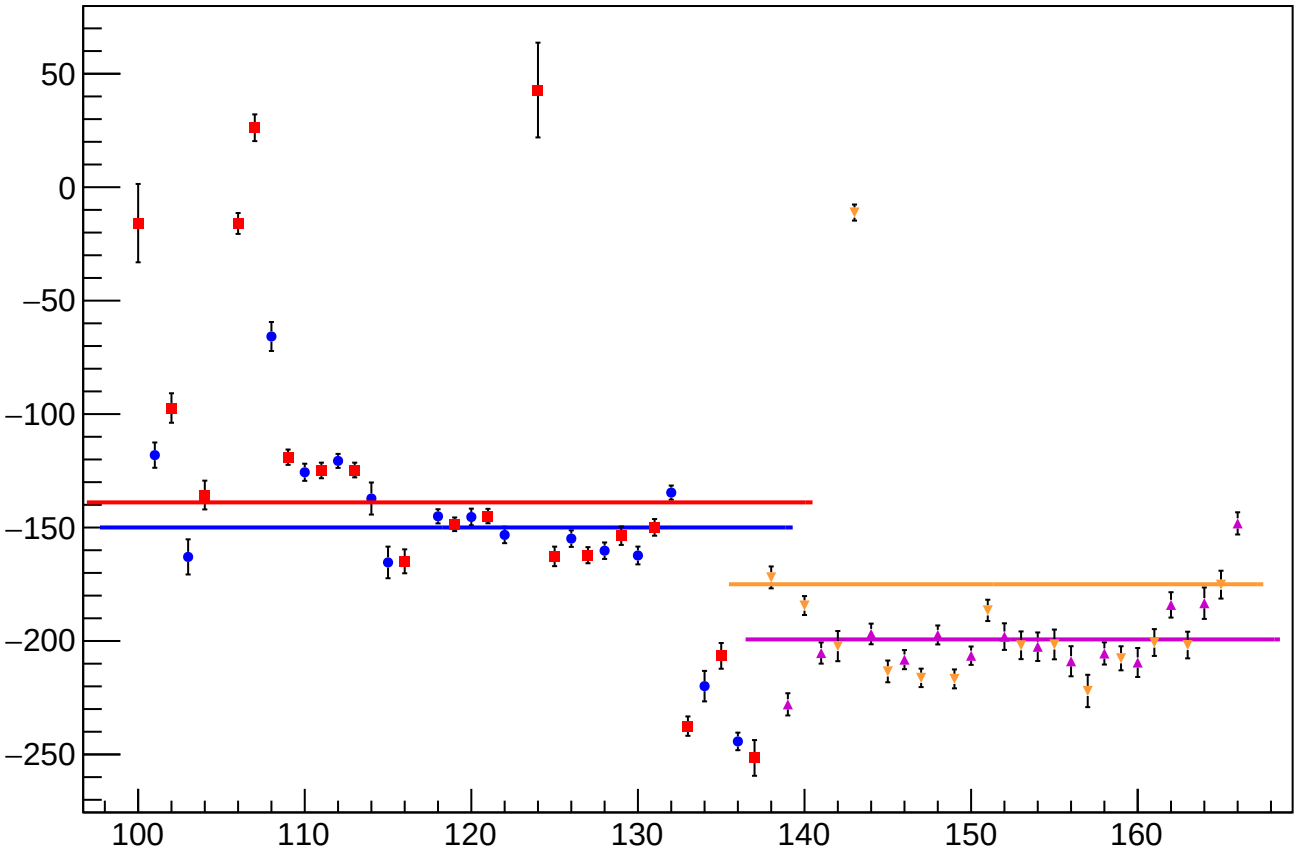
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 182.787+/-0.737 χ^2/NDF:6424.8/29

Out: 166.728+/-0.700 χ^2/NDF:9852.5/33

All: 174.346+/-0.508 χ^2/NDF: 16526.8/63


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -3.688+/-0.881 χ²/NDF:155.4/14
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -2.145+/-0.944 χ²/NDF:218.6/13
Left: -2.969+/-0.644 χ²/NDF: 375.5/28
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.287+/-0.647 χ²/NDF:422.3/29
Out: 0.886+/-0.626 χ²/NDF:391.0/33
All: 1.563+/-0.450 χ²/NDF: 815.7/63



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.999+/-1.292 χ^2/NDF:2589.3/14

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -199.310+/-1.350 χ^2/NDF:172.4/13

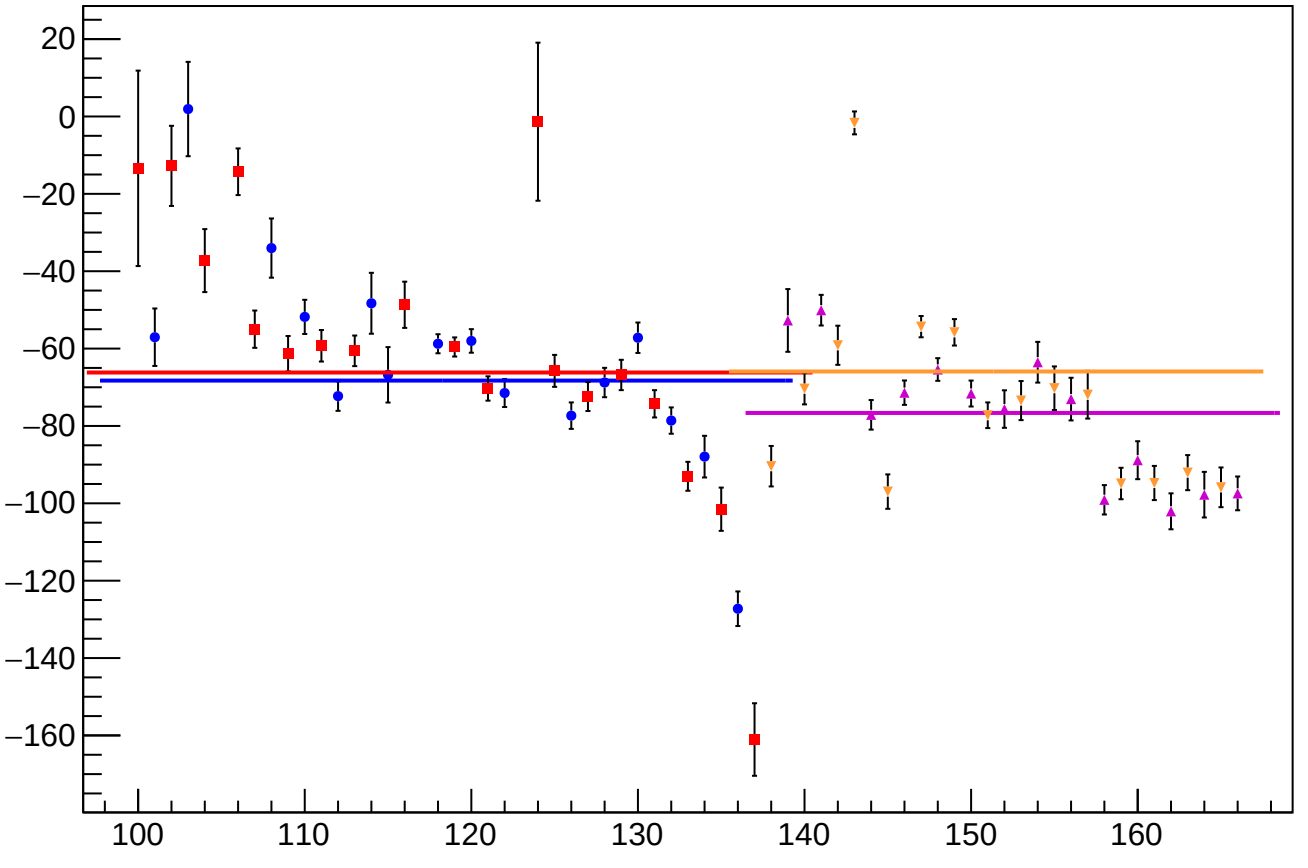
Left: -186.624+/-0.934 χ^2/NDF: 2930.9/28

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.027+/-0.817 χ^2/NDF:2118.8/29

Out: -152.317+/-0.788 χ^2/NDF:5830.4/33

All: -159.887+/-0.567 χ^2/NDF: 8140.9/63



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -65.920+/-1.051 χ^2/NDF:746.8/14

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -76.638+/-1.116 χ^2/NDF:186.6/13

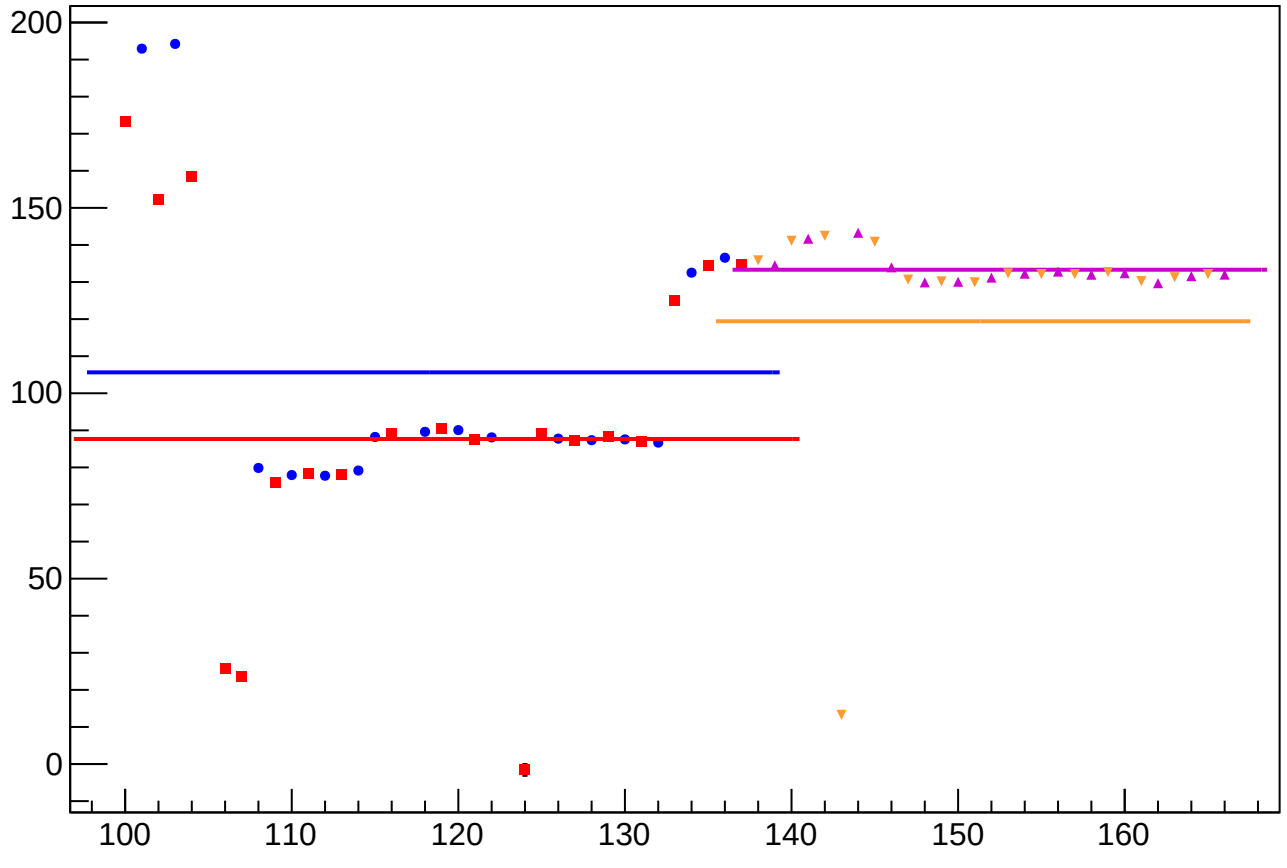
Left: -70.960+/-0.765 χ^2/NDF: 982.4/28

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.135+/-0.758 χ^2/NDF:532.3/29

Out: -66.056+/-0.733 χ^2/NDF:1105.2/33

All: -68.995+/-0.527 χ^2/NDF: 1670.7/63



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 119.421+/-0.051 χ^2/NDF:596700.3/14

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.320+/-0.052 χ^2/NDF:5771.4/13

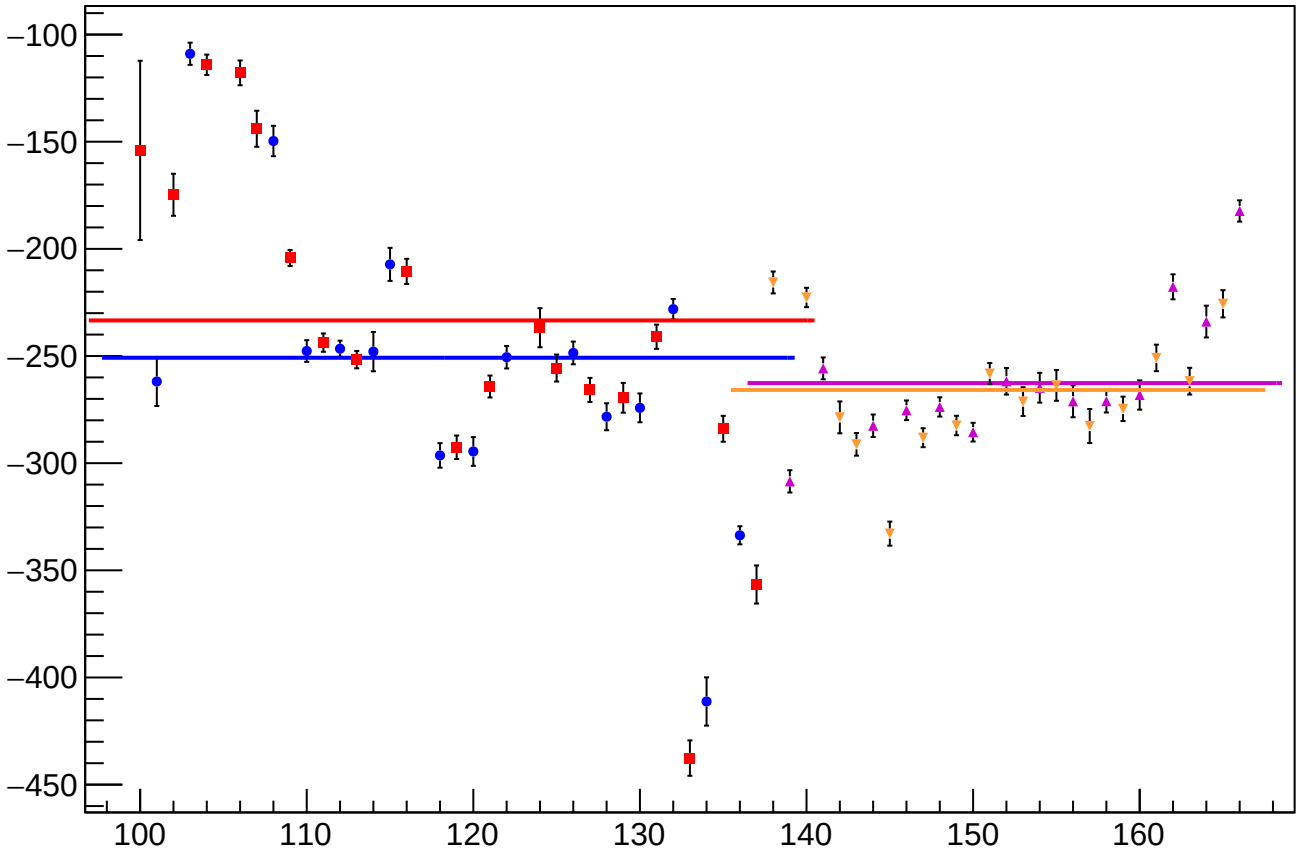
Left: 126.182+/-0.036 χ^2/NDF: 639215.8/28

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.636+/-0.042 χ^2/NDF:344671.3/29

Out: 107.593+/-0.040 χ^2/NDF:1117995.0/33

All: 115.255+/-0.029 χ^2/NDF: 1539269.3/63



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -265.830+/-1.446 χ^2/NDF:450.9/14

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -262.631+/-1.457 χ^2/NDF:475.6/13

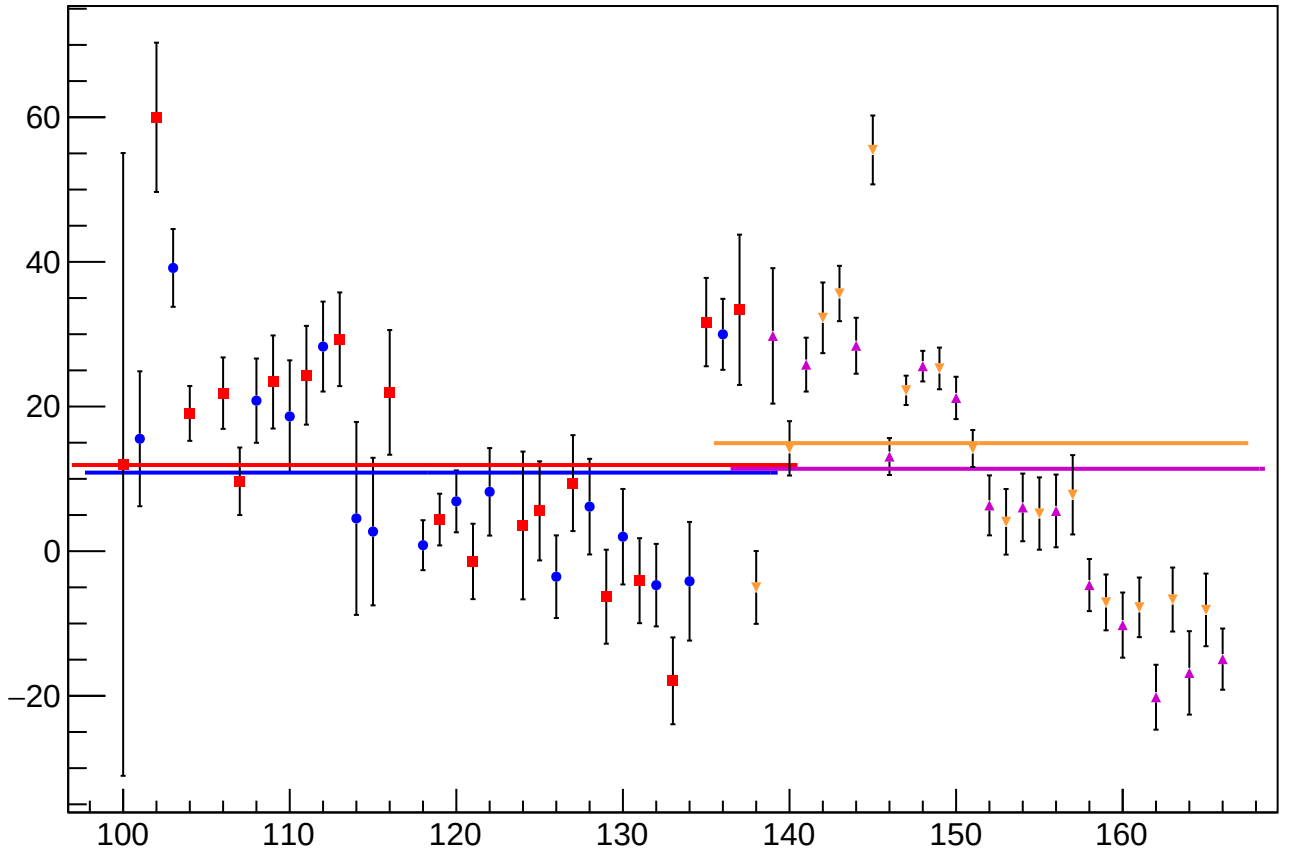
Left: -264.242+/-1.026 χ^2/NDF: 929.0/28

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.646+/-1.023 χ^2/NDF:2244.7/29

Out: -248.298+/-0.980 χ^2/NDF:3101.3/33

All: -252.292+/-0.708 χ^2/NDF: 5380.7/63



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 14.939+/-0.945 χ^2/NDF:275.0/14

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 11.391+/-0.976 χ^2/NDF:254.0/13

Left: 13.222+/-0.679 χ^2/NDF: 535.8/28

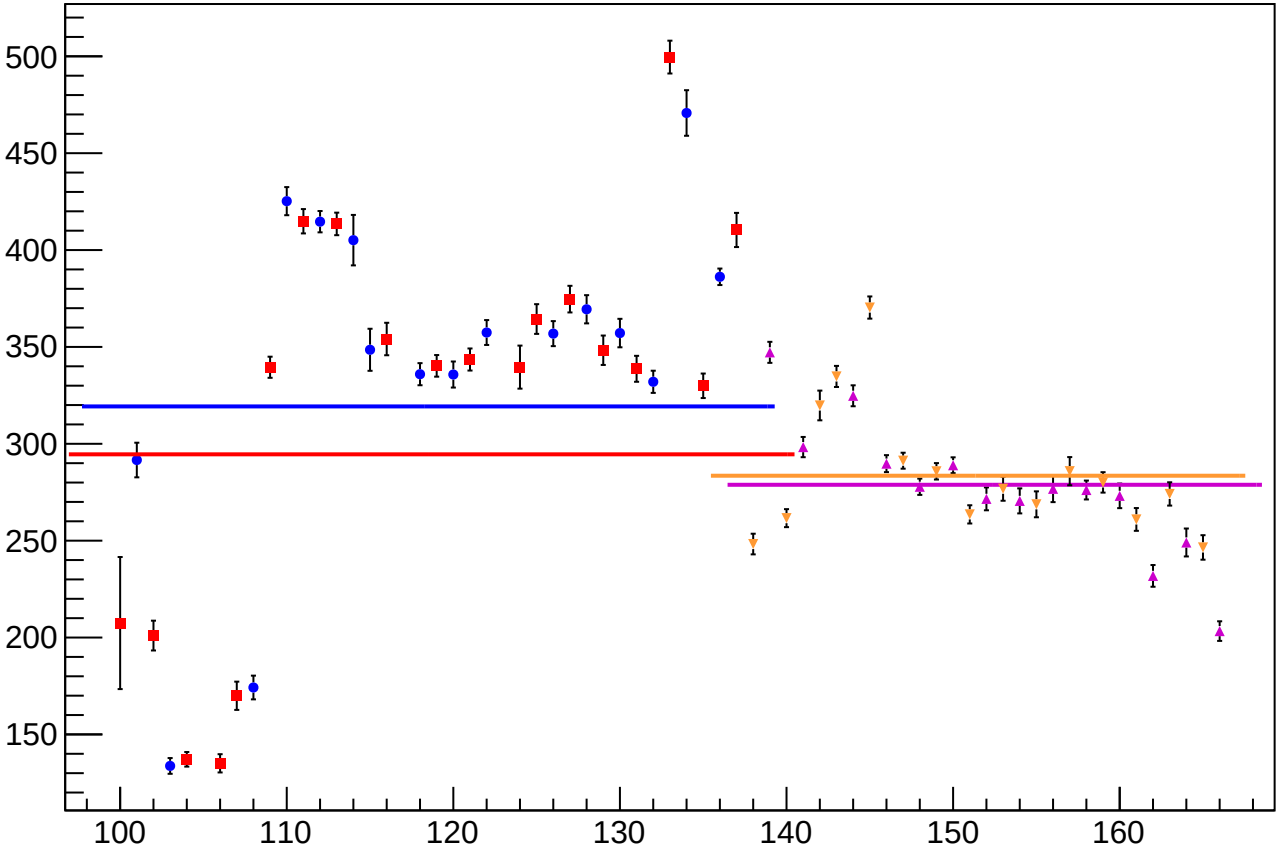
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 11.230+/-0.813 χ^2/NDF:338.8/29

Out: 13.960+/-0.778 χ^2/NDF:390.2/33

All: 12.657+/-0.562 χ^2/NDF: 734.9/63

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 283.523+/-1.404 χ^2/NDF:486.6/14

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 278.846+/-1.408 χ^2/NDF:571.5/13

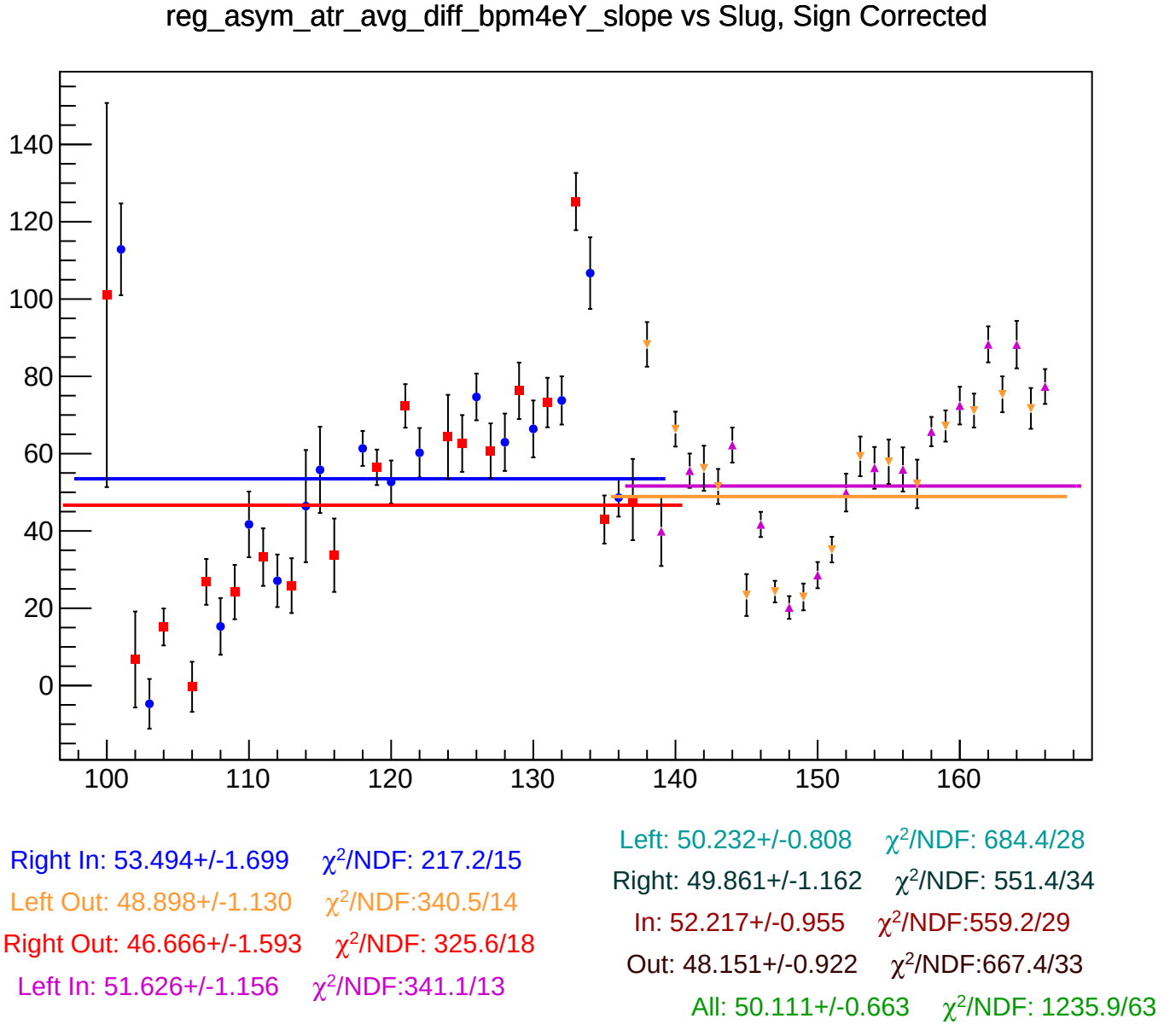
Left: 281.192+/-0.994 χ^2/NDF: 1063.6/28

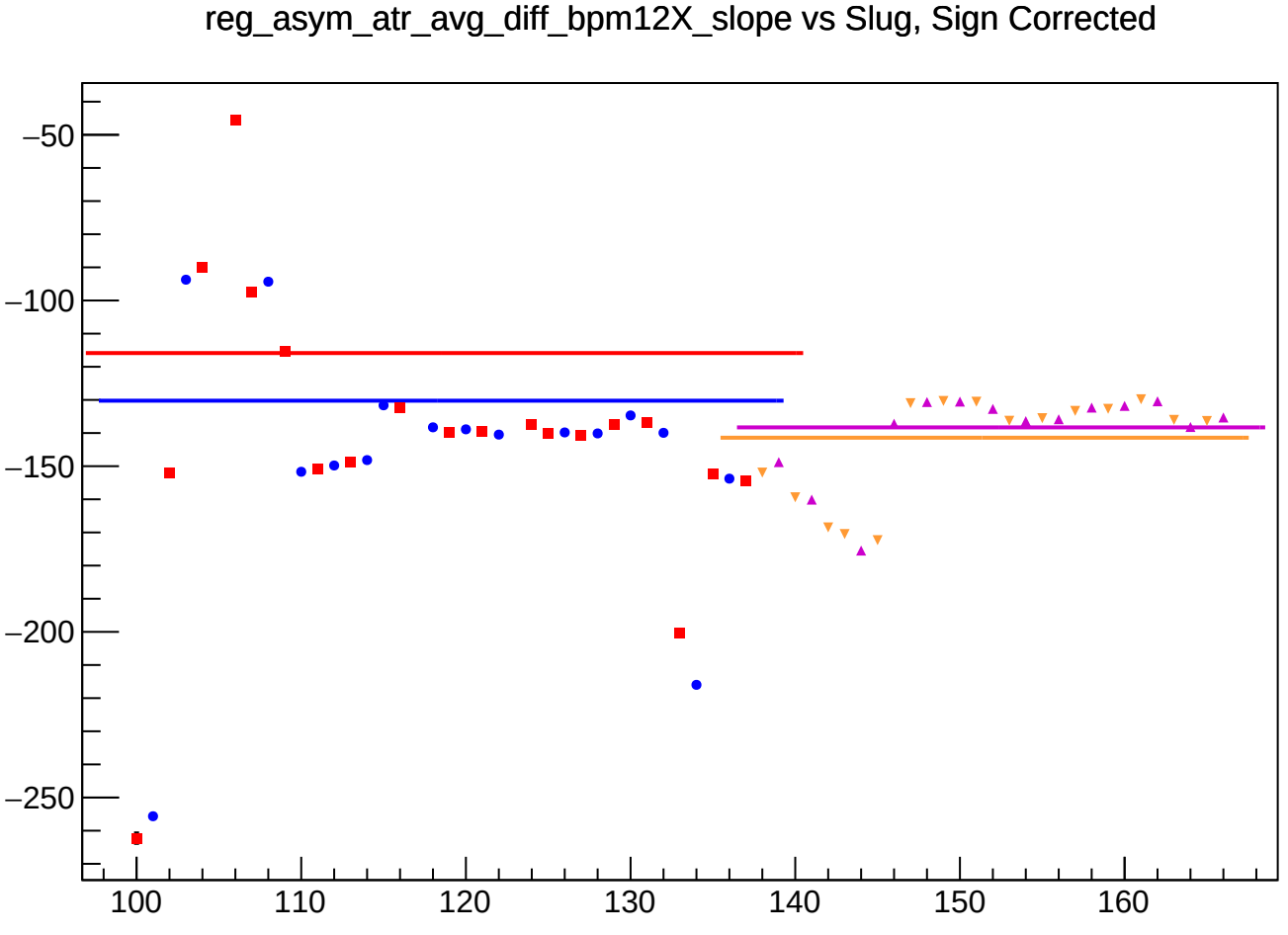
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 296.677+/-1.053 χ^2/NDF:4728.1/29

Out: 288.749+/-1.019 χ^2/NDF:6019.0/33

All: 292.583+/-0.732 χ^2/NDF: 10776.4/63


reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
100
110
120
130
140
150
160
Right In: 53.494+/-1.699 χ2/NDF: 217.2/15
Left Out: 48.898+/-1.130 χ2/NDF:340.5/14
Right Out: 46.666+/-1.593 χ2/NDF: 325.6/18
Left In: 51.626+/-1.156 χ2/NDF:341.1/13
Left: 50.232+/-0.808 χ2/NDF: 684.4/28
Right: 49.861+/-1.162 χ2/NDF: 551.4/34
In: 52.217+/-0.955 χ2/NDF:559.2/29
Out: 48.151+/-0.922 χ2/NDF:667.4/33
All: 50.111+/-0.663 χ2/NDF: 1235.9/63



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.408+/-0.055 χ^2/NDF:71797.5/14

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.296+/-0.054 χ^2/NDF:45724.1/13

Left: -139.837+/-0.038 χ^2/NDF: 119165.3/28

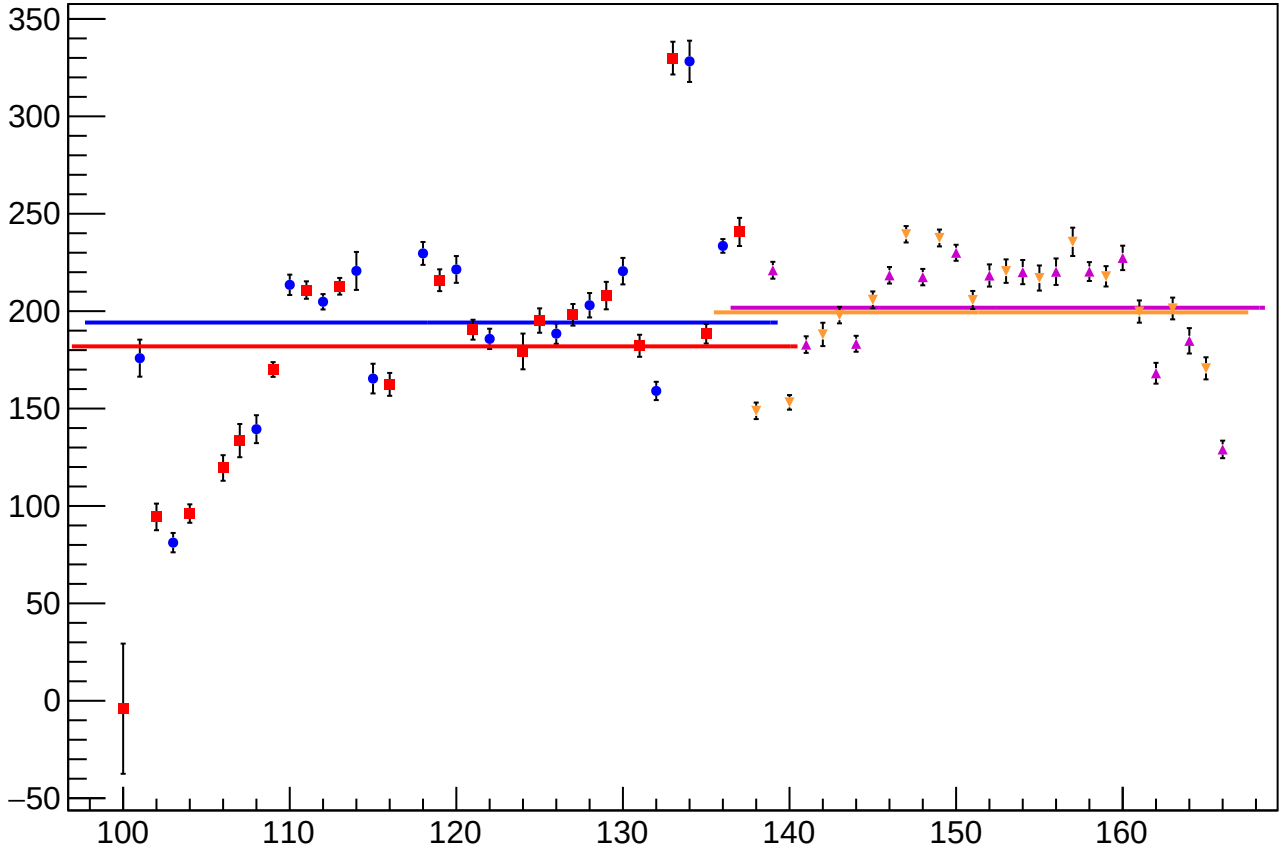
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.200+/-0.046 χ^2/NDF:225726.5/29

Out: -134.050+/-0.046 χ^2/NDF:340913.0/33

All: -135.115+/-0.033 χ^2/NDF: 567720.6/63

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 199.385+/-1.268 χ^2/NDF:553.3/14

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.759+/-1.298 χ^2/NDF:500.2/13

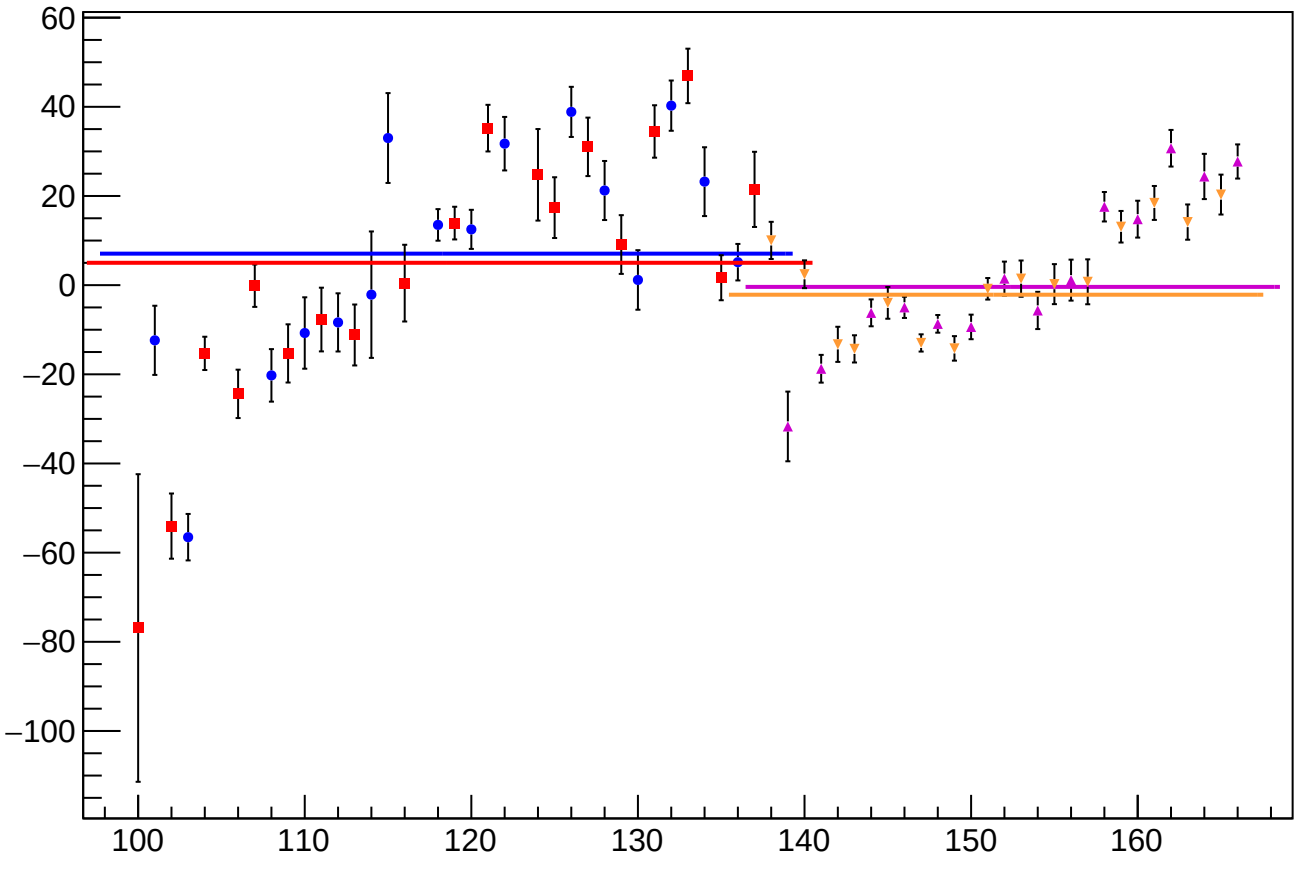
Left: 200.544+/-0.907 χ^2/NDF: 1055.2/28

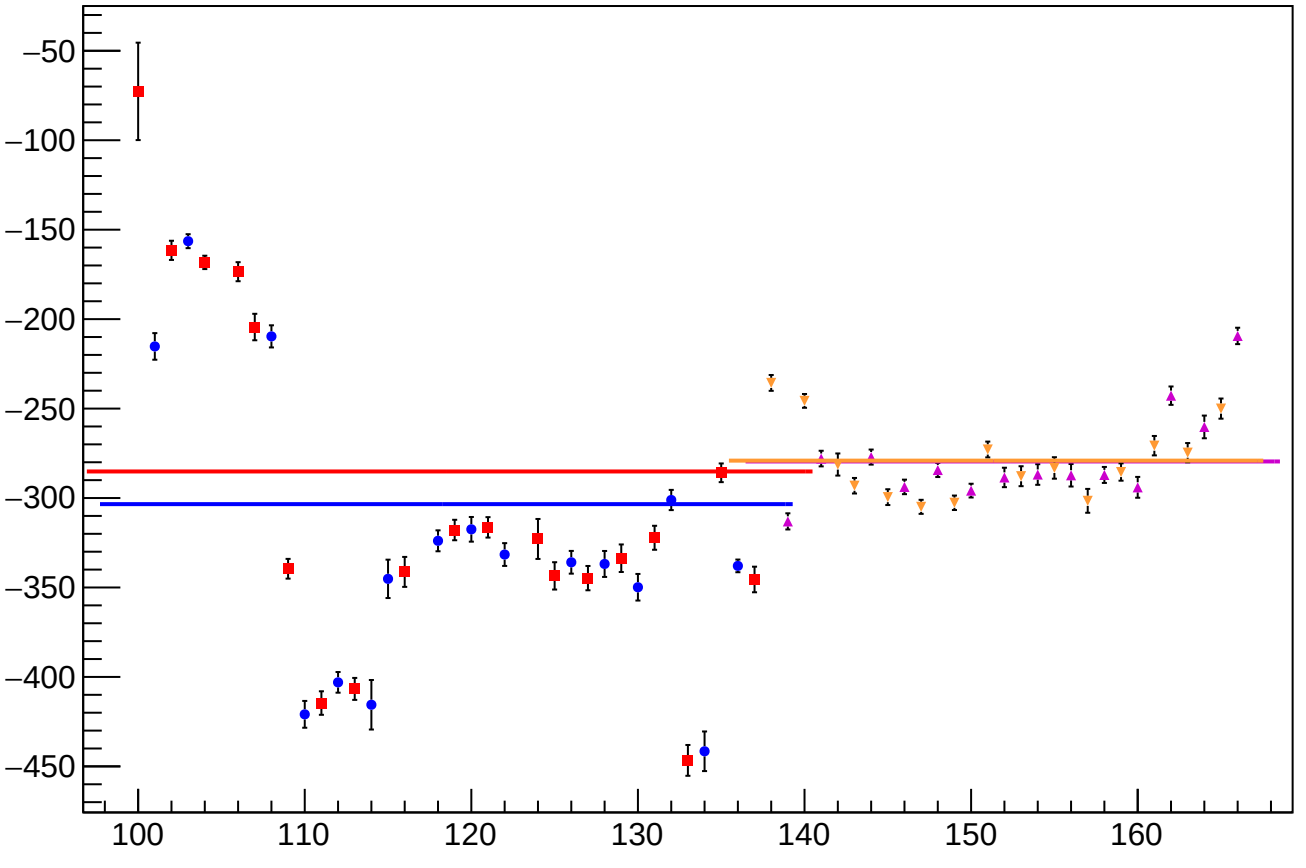
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.267+/-0.954 χ^2/NDF:1551.1/29

Out: 191.019+/-0.915 χ^2/NDF:1848.9/33

All: 194.493+/-0.660 χ^2/NDF: 3430.1/63


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -2.146+/-0.847 χ²/NDF:176.9/14
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: -0.391+/-0.883 χ²/NDF:266.4/13
Left: -1.306+/-0.611 χ²/NDF: 445.3/28
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: 1.642+/-0.753 χ²/NDF:578.4/29
Out: -0.134+/-0.718 χ²/NDF:485.5/33
All: 0.712+/-0.520 χ²/NDF: 1066.8/63



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.092+/-1.239 χ^2/NDF:328.4/14

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.557+/-1.260 χ^2/NDF:396.9/13

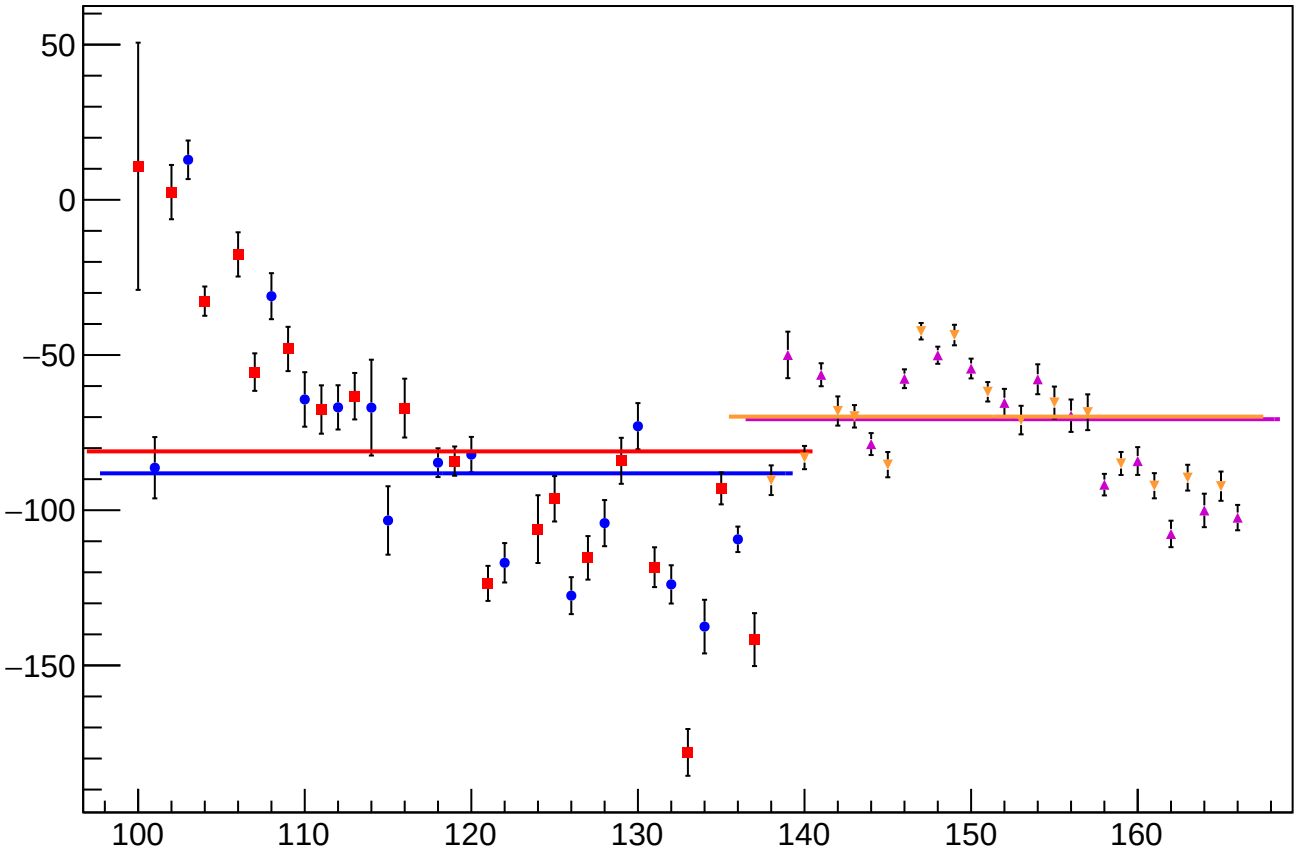
Left: -279.321+/-0.883 χ^2/NDF: 725.4/28

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -289.194+/-0.973 χ^2/NDF:3327.2/29

Out: -281.646+/-0.942 χ^2/NDF:4093.3/33

All: -285.300+/-0.677 χ^2/NDF: 7451.6/63



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -69.844+/-1.008 χ^2/NDF:315.1/14

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -70.672+/-1.042 χ^2/NDF:347.7/13

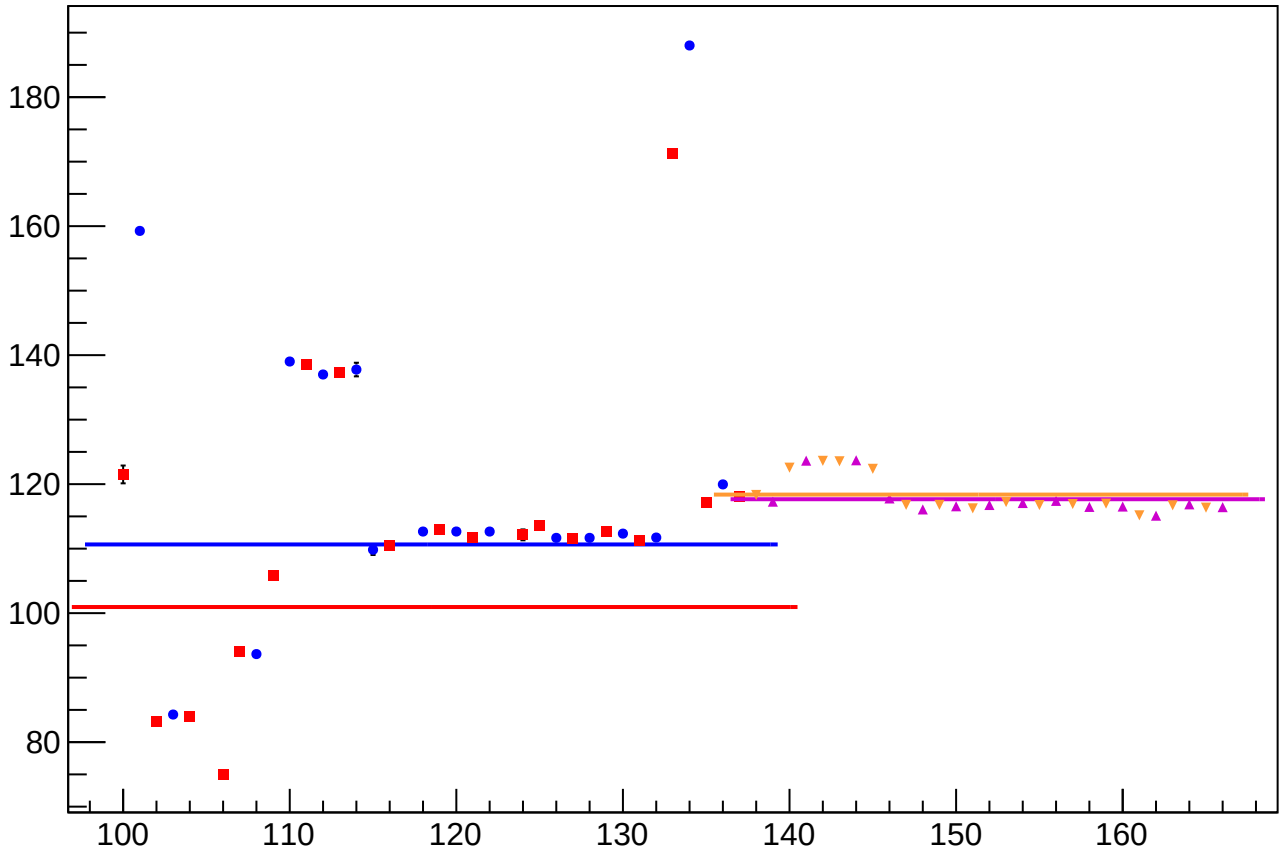
Left: -70.245+/-0.725 χ^2/NDF: 663.1/28

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.627+/-0.882 χ^2/NDF:939.2/29

Out: -73.119+/-0.848 χ^2/NDF:1028.7/33

All: -74.324+/-0.611 χ^2/NDF: 1972.1/63



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.381+/-0.048 χ^2/NDF:3344.1/14

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.661+/-0.048 χ^2/NDF:2656.8/13

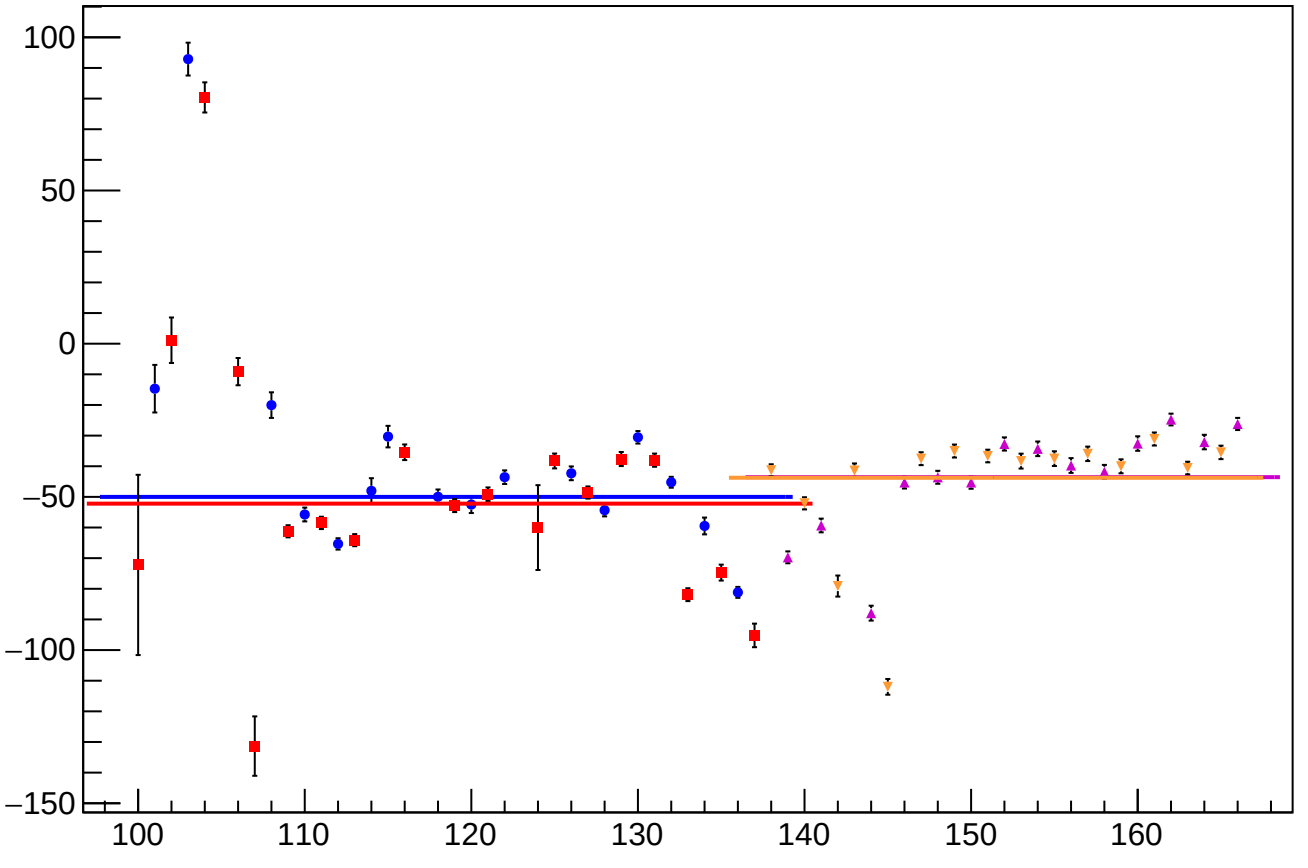
Left: 118.022+/-0.034 χ^2/NDF: 6111.7/28

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.969+/-0.042 χ^2/NDF:91240.8/29

Out: 113.816+/-0.041 χ^2/NDF:99554.9/33

All: 114.874+/-0.030 χ^2/NDF: 192122.7/63



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -43.752+/-0.578 χ^2/NDF:944.3/14

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -43.560+/-0.578 χ^2/NDF:826.6/13

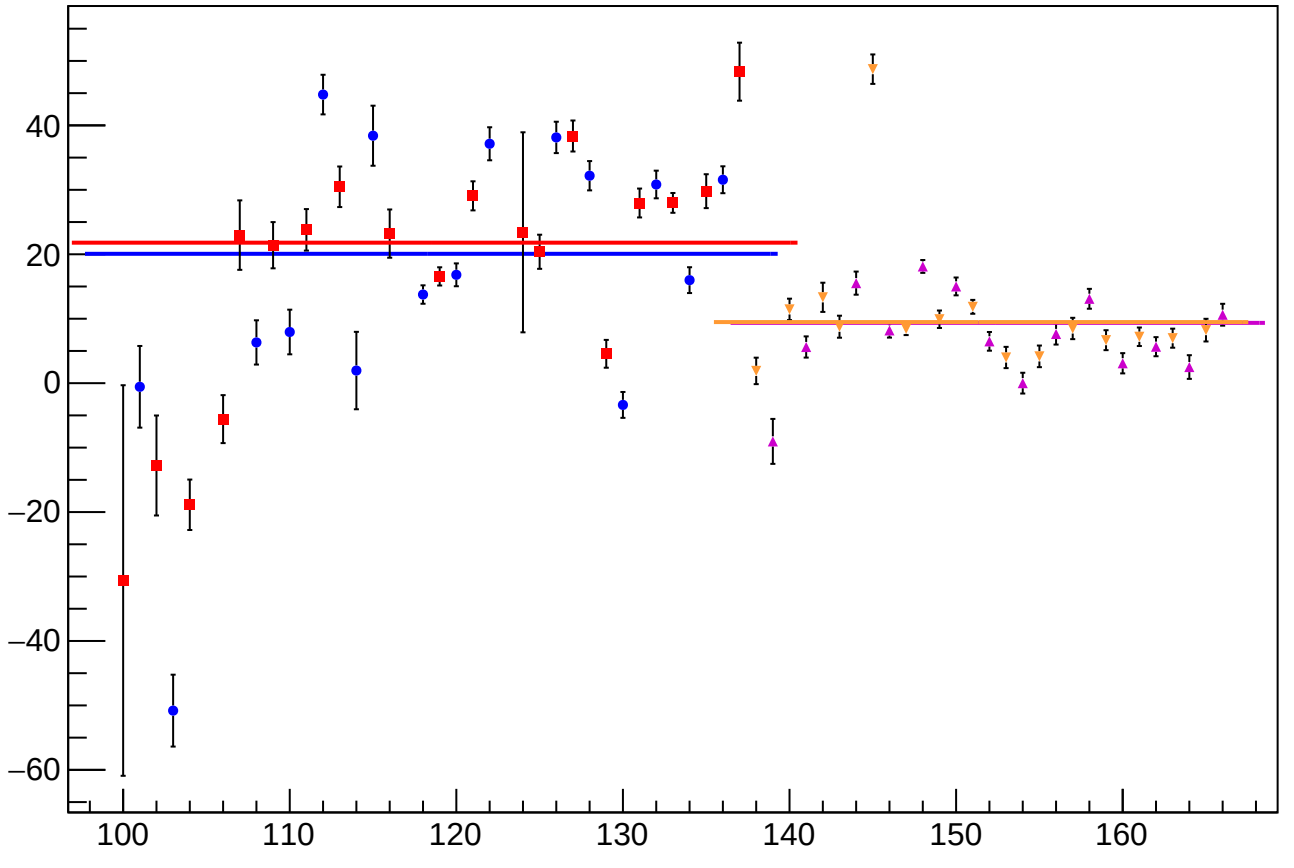
Left: -43.656+/-0.409 χ^2/NDF: 1771.0/28

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -46.613+/-0.420 χ^2/NDF:2212.8/29

Out: -47.789+/-0.418 χ^2/NDF:2616.7/33

All: -47.203+/-0.296 χ^2/NDF: 4833.4/63



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.480+/-0.390 χ^2/NDF:349.7/14

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.357+/-0.400 χ^2/NDF:220.8/13

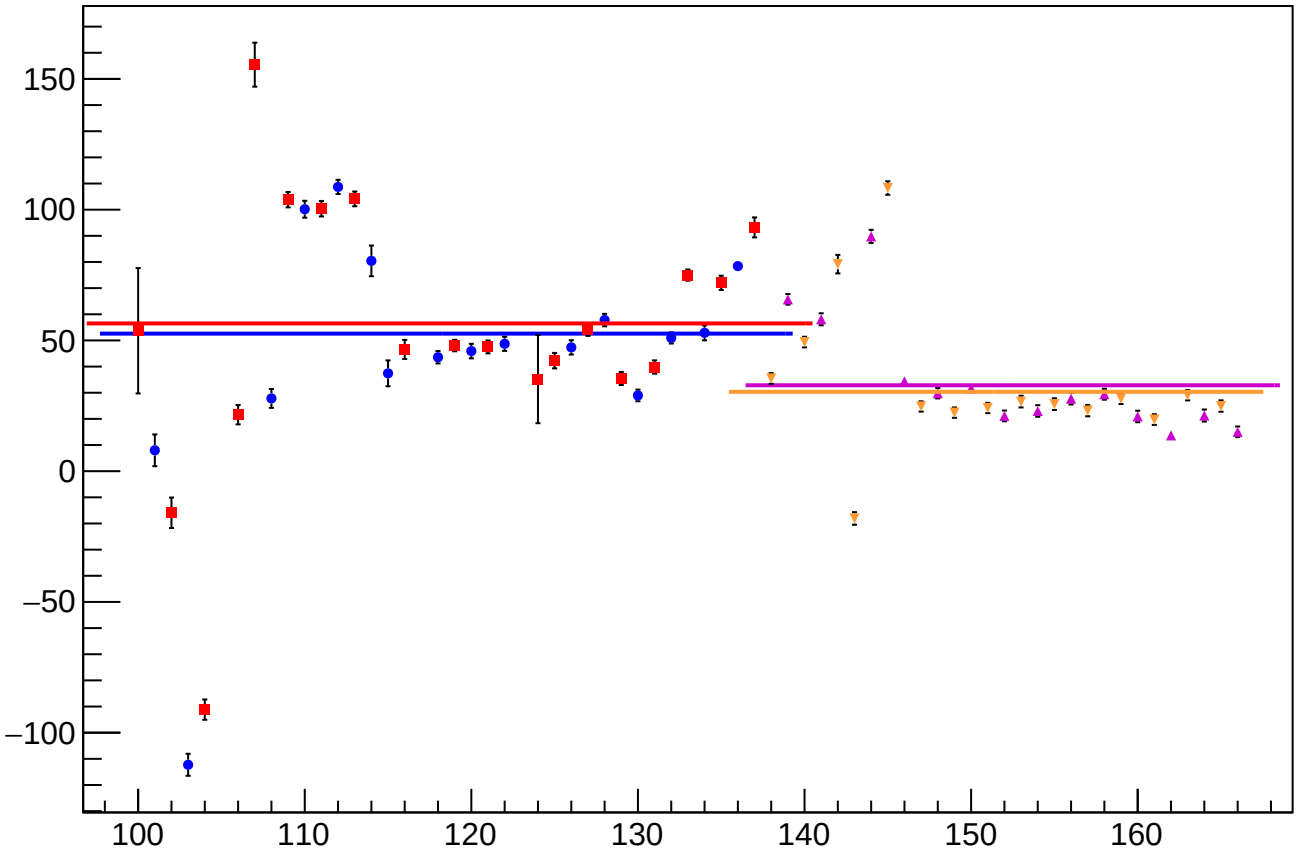
Left: 9.420+/-0.279 χ^2/NDF: 570.6/28

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.565+/-0.335 χ^2/NDF:1071.9/29

Out: 12.959+/-0.331 χ^2/NDF:1027.5/33

All: 12.764+/-0.235 χ^2/NDF: 2100.1/63



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.351+/-0.560 χ^2/NDF:1675.1/14

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 32.848+/-0.559 χ^2/NDF:1204.5/13

Left: 31.602+/-0.396 χ^2/NDF: 2889.5/28

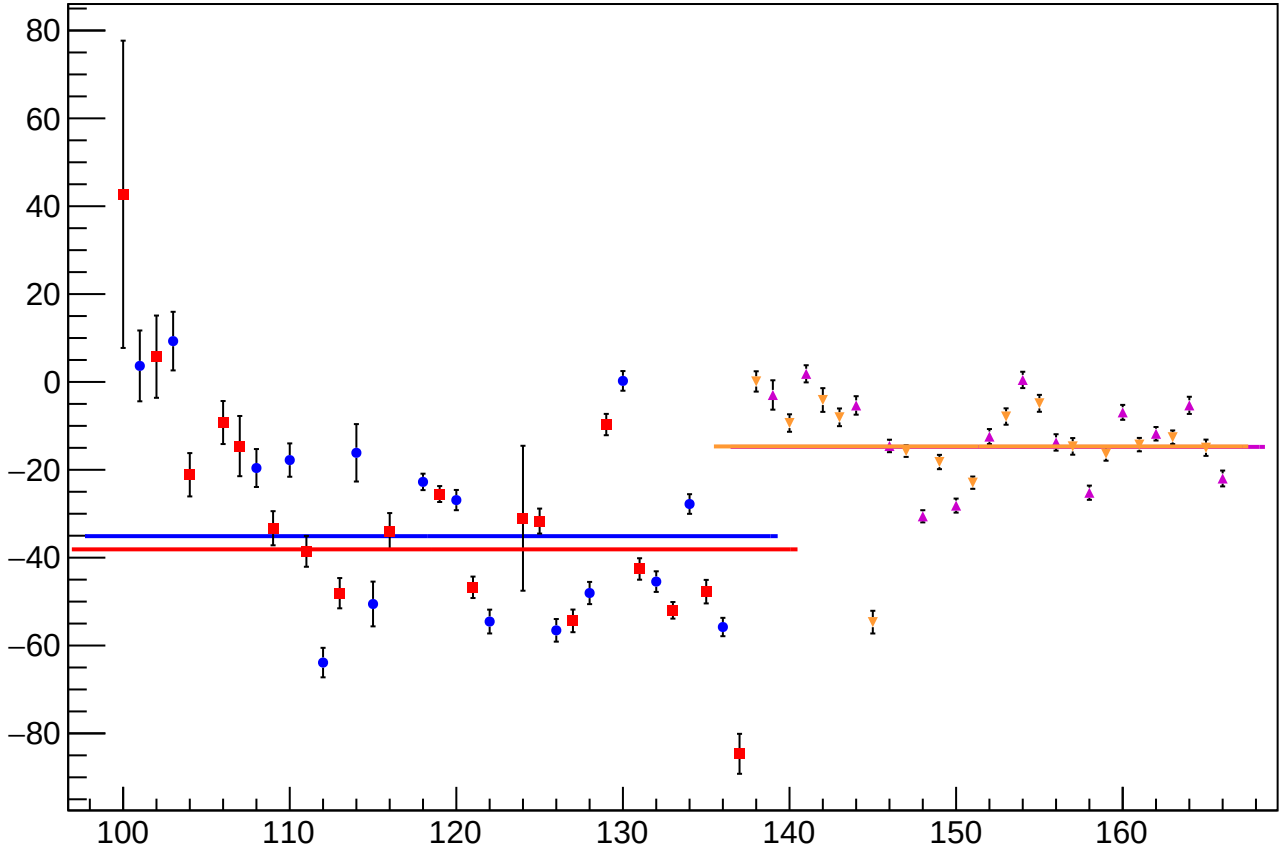
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 40.588+/-0.436 χ^2/NDF:4353.5/29

Out: 40.458+/-0.439 χ^2/NDF:5483.4/33

All: 40.523+/-0.309 χ^2/NDF: 9837.0/63

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.681+/-0.457 χ^2/NDF:396.3/14

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.783+/-0.465 χ^2/NDF:480.4/13

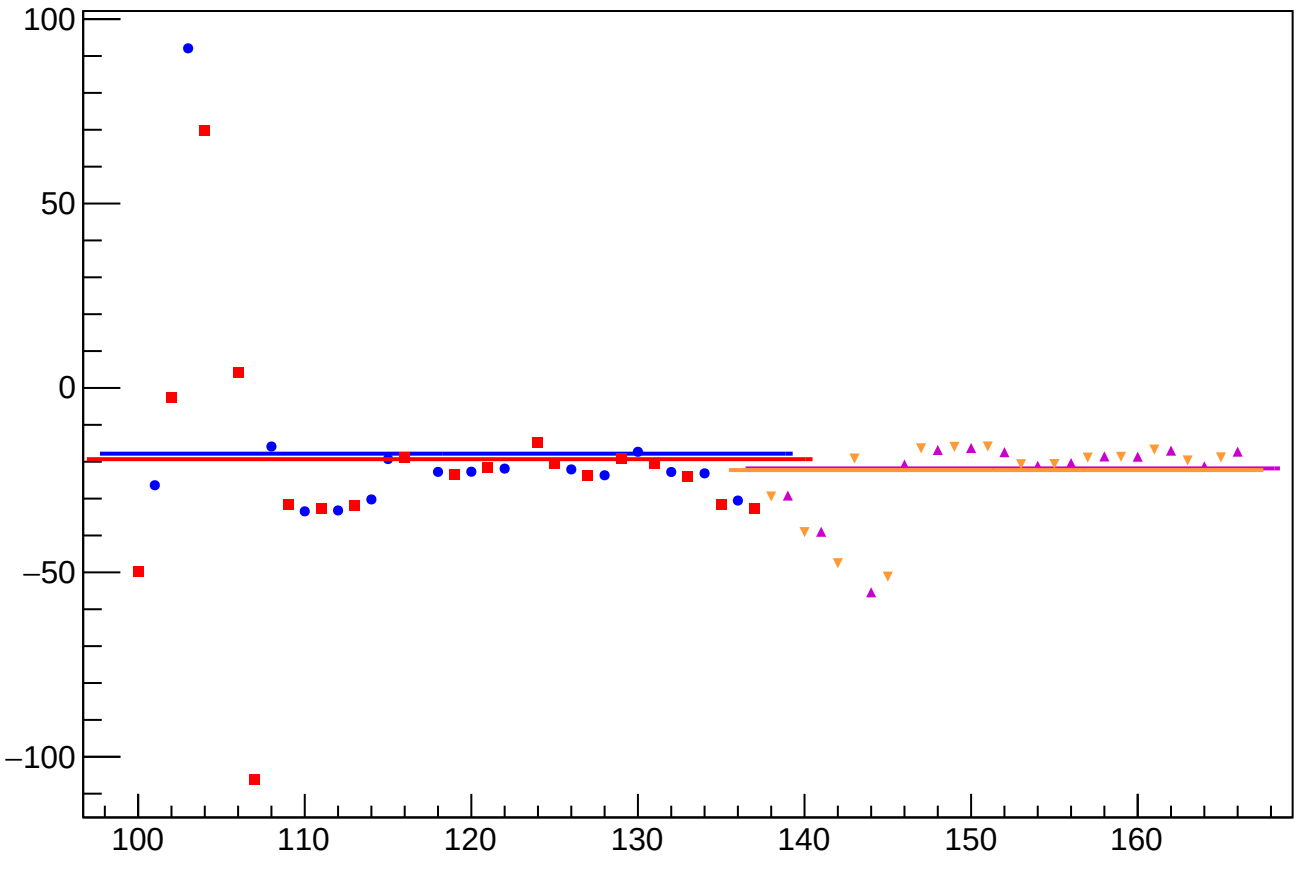
Left: -14.731+/-0.326 χ^2/NDF: 876.7/28

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -21.005+/-0.387 χ^2/NDF:1838.1/29

Out: -21.502+/-0.385 χ^2/NDF:1674.4/33

All: -21.255+/-0.273 χ^2/NDF: 3513.4/63



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.269+/-0.021 χ^2/NDF:185256.9/14

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -21.811+/-0.021 χ^2/NDF:158463.3/13

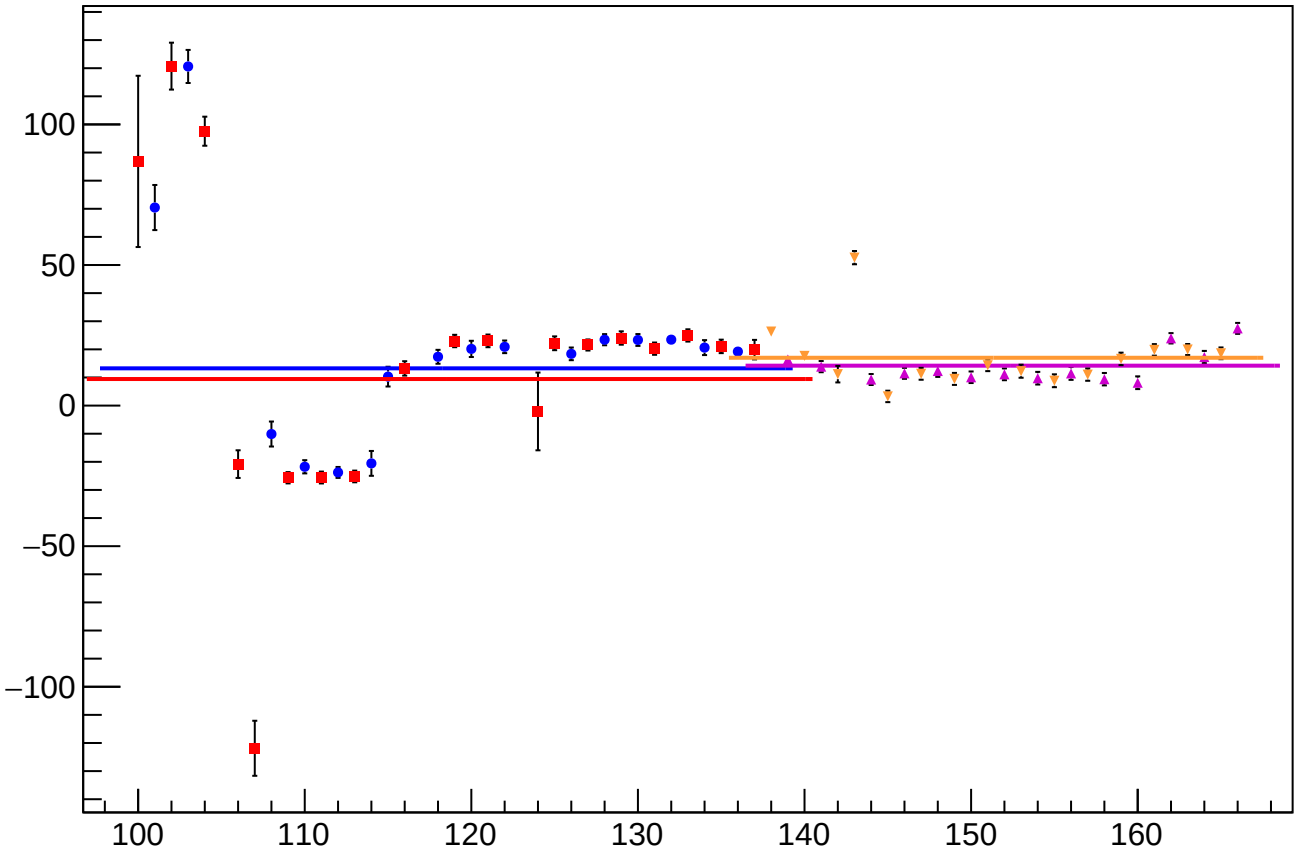
Left: -22.039+/-0.015 χ^2/NDF: 343956.6/28

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.049+/-0.019 χ^2/NDF:591475.7/29

Out: -21.755+/-0.019 χ^2/NDF:533288.4/33

All: -21.396+/-0.013 χ^2/NDF: 1125450.7/63



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.011+/-0.545 χ^2/NDF:355.2/14

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 14.200+/-0.546 χ^2/NDF:110.4/13

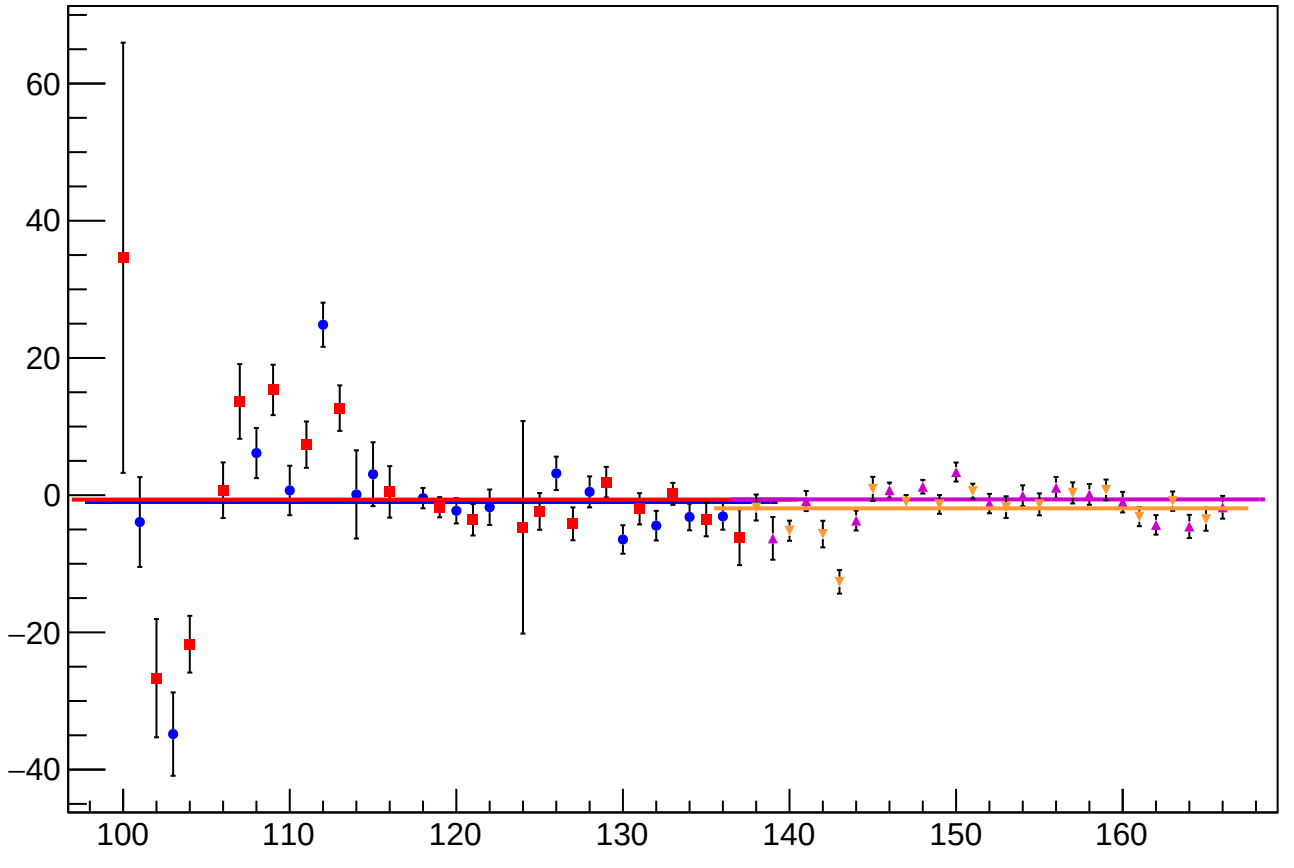
Left: 15.608+/-0.386 χ^2/NDF: 478.9/28

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.781+/-0.408 χ^2/NDF:1294.2/29

Out: 13.685+/-0.408 χ^2/NDF:2276.5/33

All: 13.733+/-0.289 χ^2/NDF: 3570.7/63



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.916+/-0.374 χ^2/NDF:64.3/14

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.616+/-0.383 χ^2/NDF:35.7/13

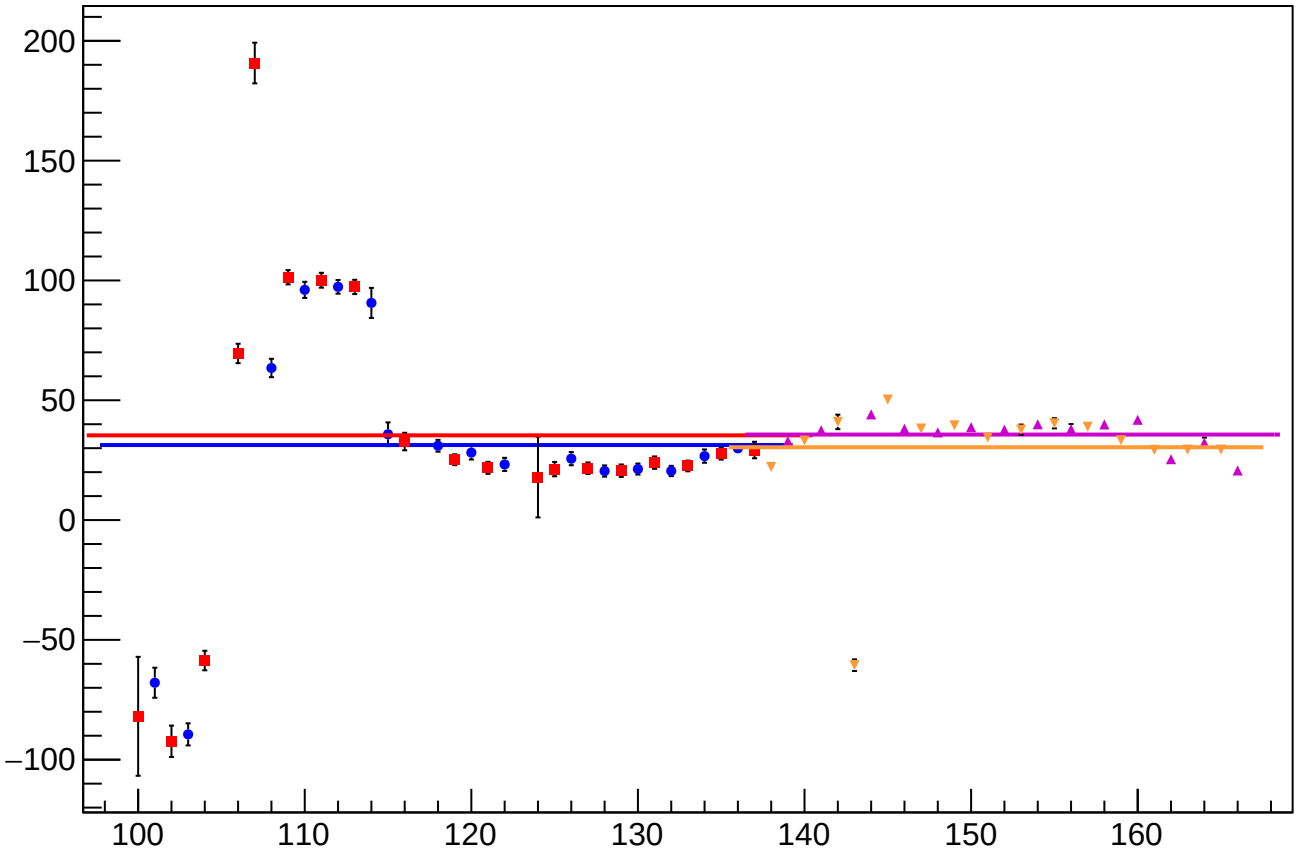
Left: -1.281+/-0.268 χ^2/NDF: 105.9/28

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.720+/-0.326 χ^2/NDF:152.3/29

Out: -1.589+/-0.322 χ^2/NDF:161.5/33

All: -1.159+/-0.229 χ^2/NDF: 317.4/63



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.388+/-0.530 χ^2/NDF:1625.8/14

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 35.688+/-0.529 χ^2/NDF:137.6/13

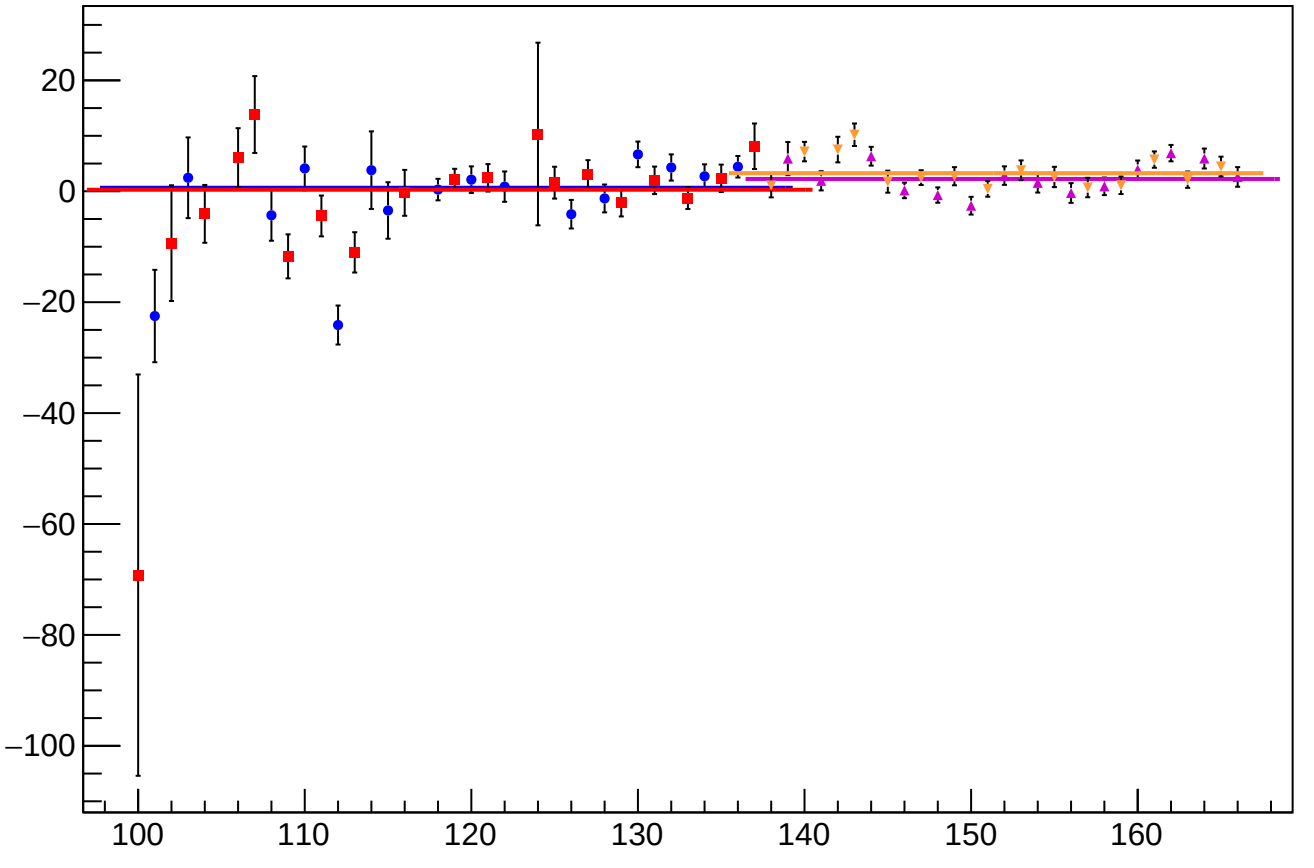
Left: 33.041+/-0.374 χ^2/NDF: 1813.5/28

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.096+/-0.422 χ^2/NDF:2248.3/29

Out: 32.145+/-0.426 χ^2/NDF:4554.7/33

All: 33.130+/-0.300 χ^2/NDF: 6813.6/63



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.265+/-0.437 χ^2/NDF:34.4/14

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.219+/-0.444 χ^2/NDF:41.3/13

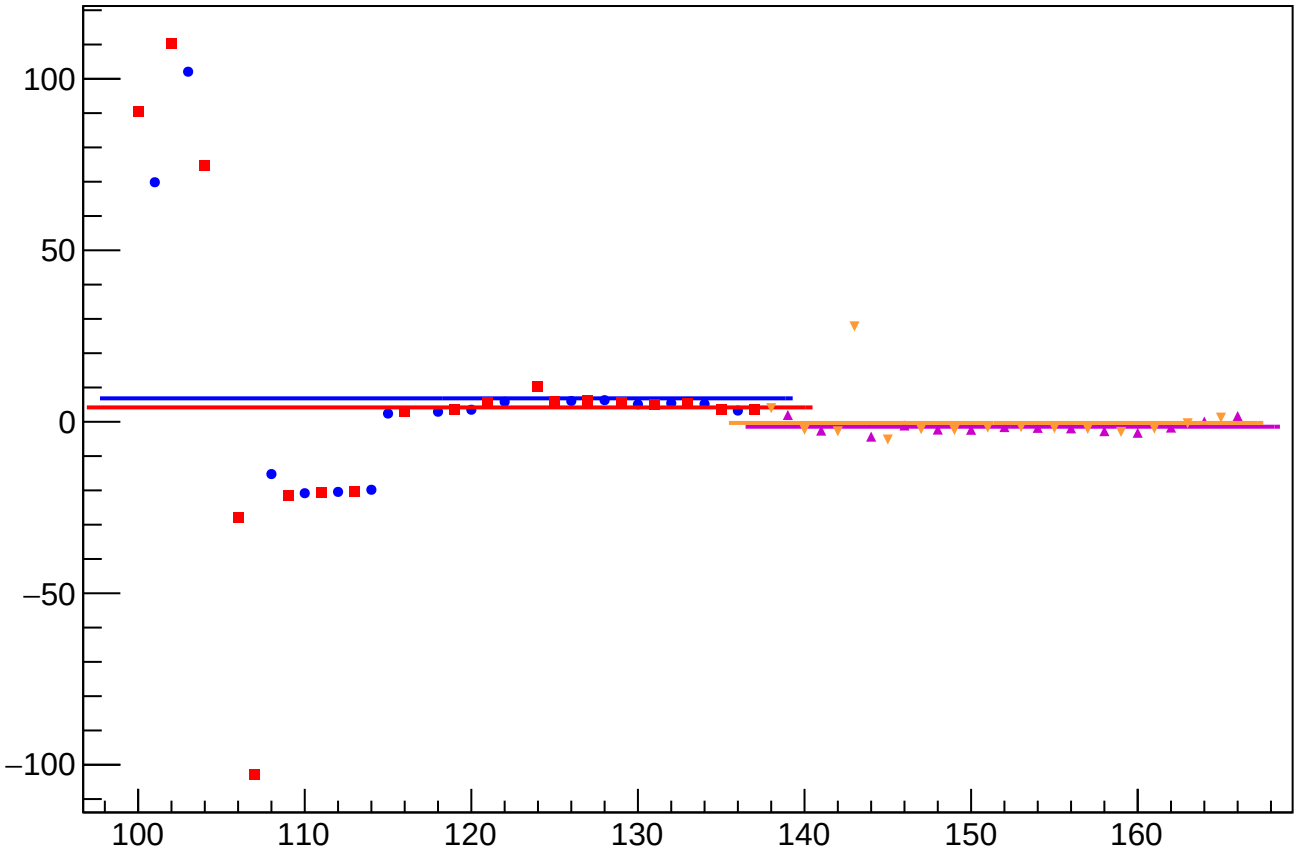
Left: 2.750+/-0.311 χ^2/NDF: 78.5/28

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.768+/-0.376 χ^2/NDF:123.4/29

Out: 2.470+/-0.374 χ^2/NDF:87.3/33

All: 2.120+/-0.265 χ^2/NDF: 212.4/63



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.331+/-0.020 χ^2/NDF:91193.6/14

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.435+/-0.020 χ^2/NDF:7189.1/13

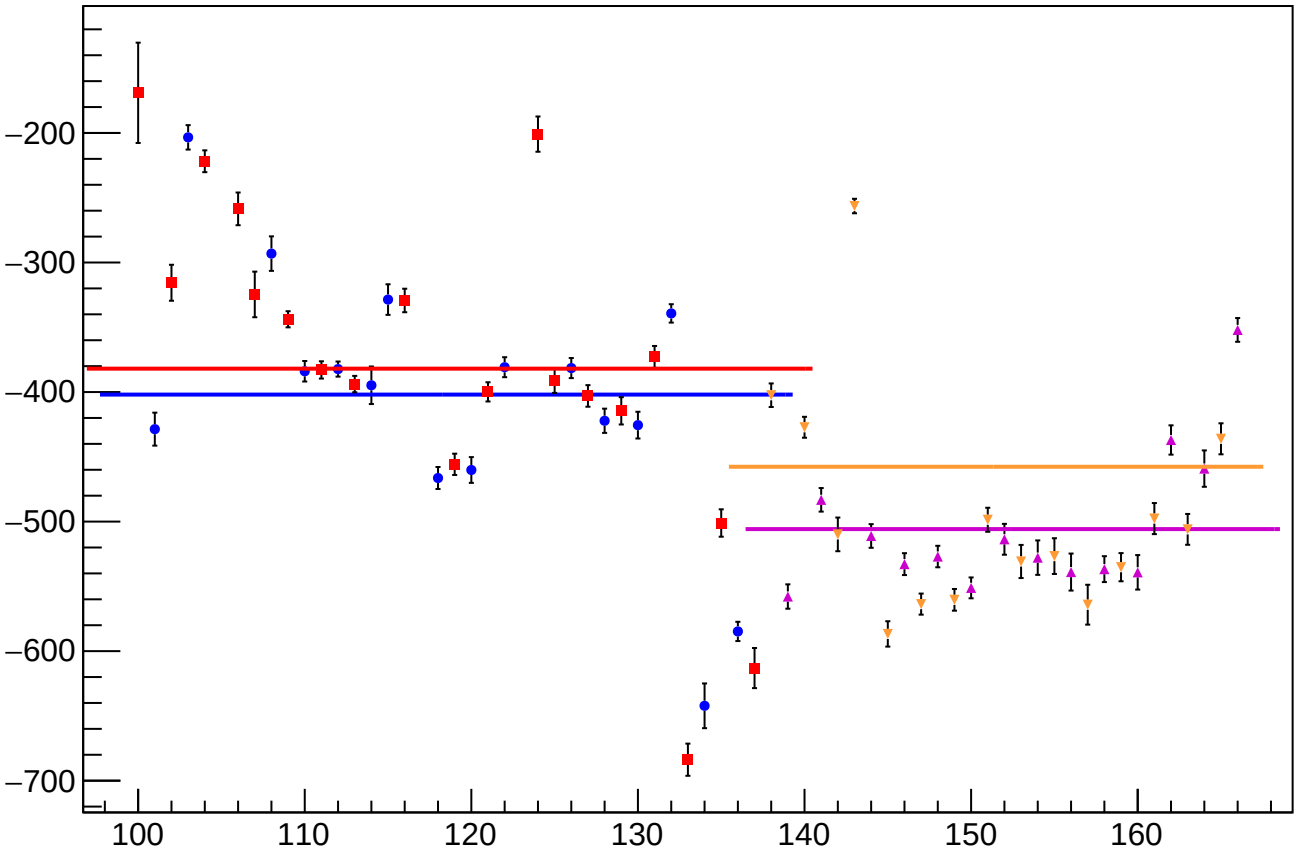
Left: -0.885+/-0.014 χ^2/NDF: 99914.3/28

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.034+/-0.018 χ^2/NDF:358805.1/29

Out: 0.380+/-0.018 χ^2/NDF:533776.0/33

All: 0.204+/-0.013 χ^2/NDF: 892761.7/63



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -457.670+/-2.485 χ^2/NDF:2066.2/14

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -505.788+/-2.698 χ^2/NDF:439.7/13

Left: -479.761+/-1.828 χ^2/NDF: 2678.0/28

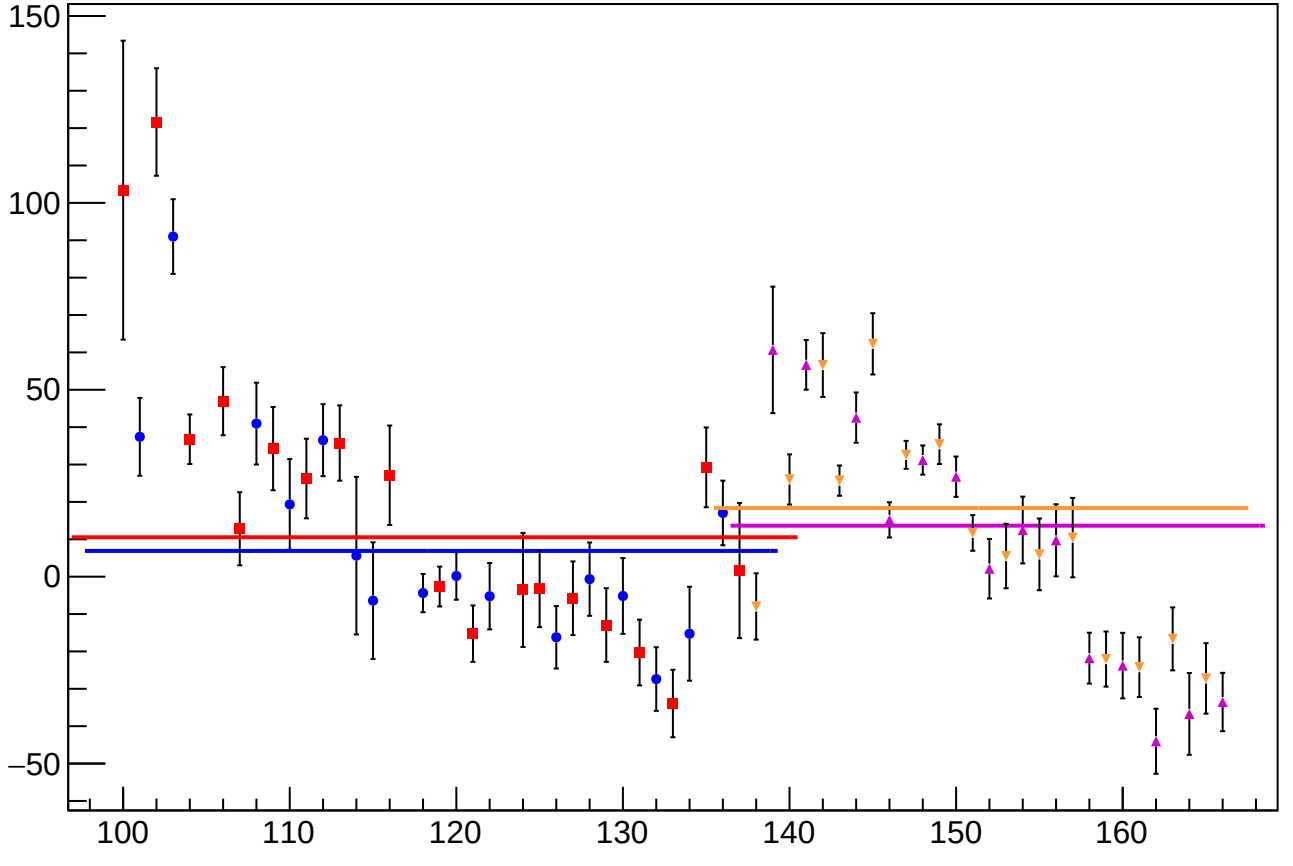
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -444.243+/-1.722 χ^2/NDF:2881.0/29

Out: -413.915+/-1.615 χ^2/NDF:4420.0/33

All: -428.110+/-1.178 χ^2/NDF: 7466.0/63

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 18.360+/-1.648 χ^2/NDF:192.5/14

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 13.648+/-1.811 χ^2/NDF:243.7/13

Left: 16.225+/-1.219 χ^2/NDF: 439.9/28

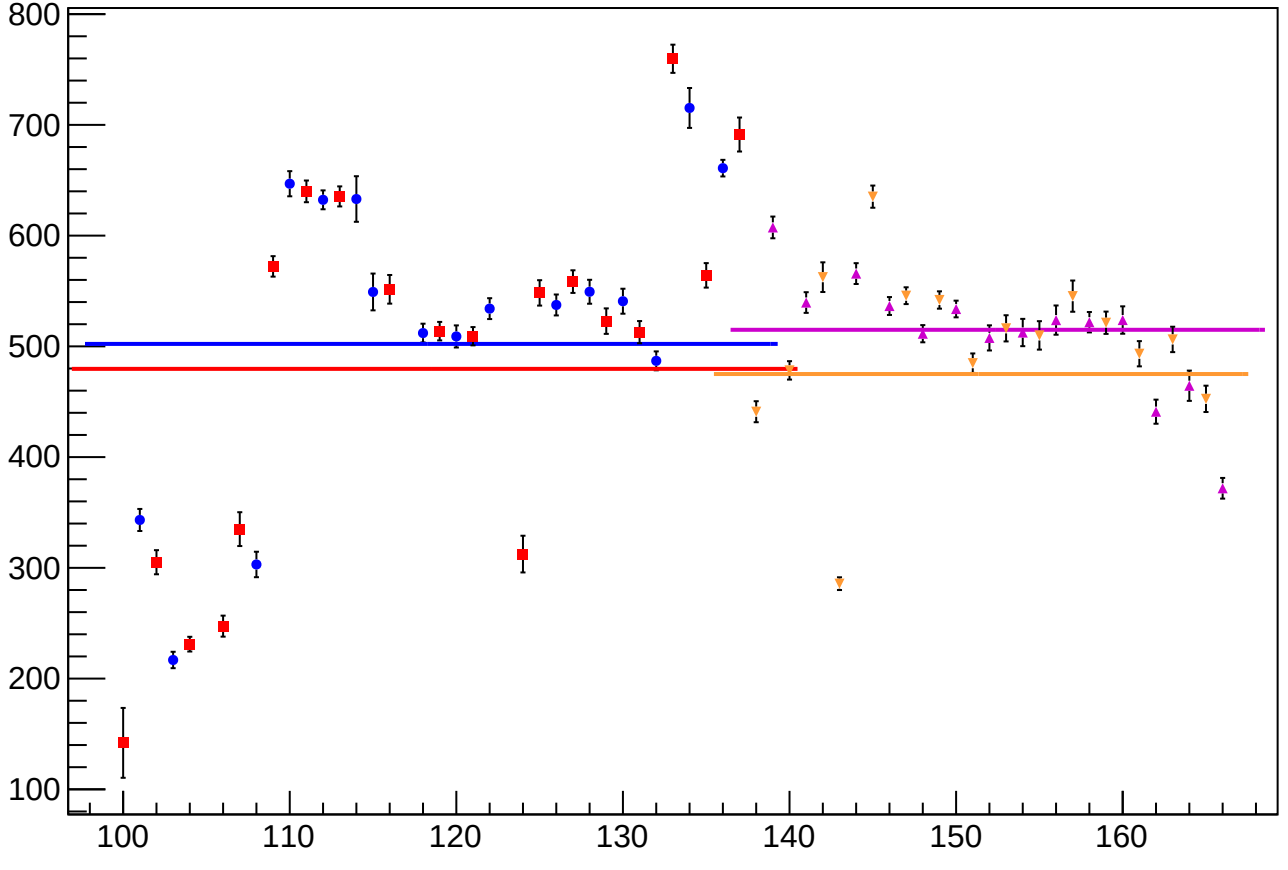
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 11.010+/-1.414 χ^2/NDF:387.6/29

Out: 15.545+/-1.318 χ^2/NDF:380.6/33

All: 13.436+/-0.964 χ^2/NDF: 773.7/63

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 475.021+/-2.436 χ^2/NDF:1637.6/14

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 514.959+/-2.613 χ^2/NDF:435.0/13

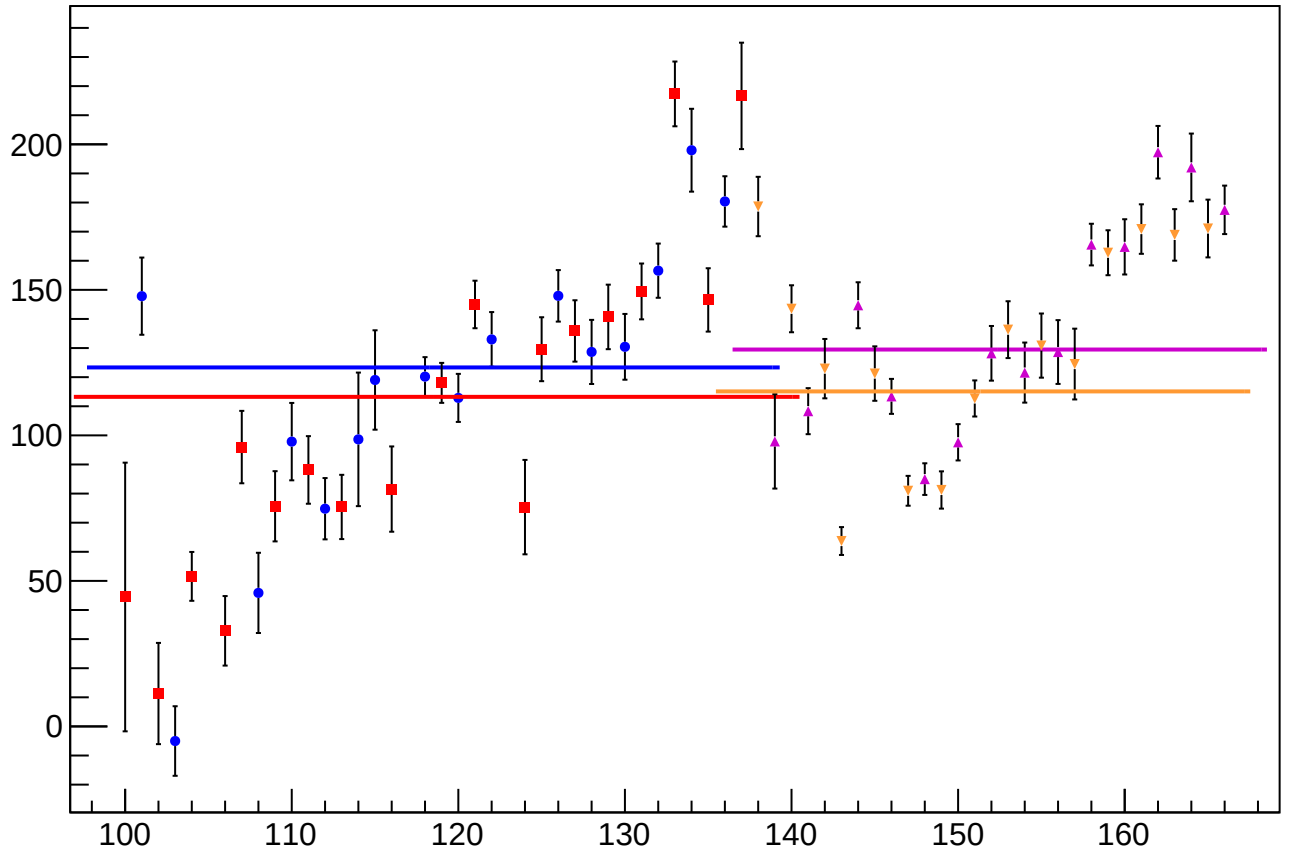
Left: 493.587+/-1.782 χ^2/NDF: 2197.5/28

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 508.286+/-1.804 χ^2/NDF:3582.6/29

Out: 477.385+/-1.709 χ^2/NDF:5778.0/33

All: 492.005+/-1.241 χ^2/NDF: 9515.2/63



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 115.106+/-1.972 χ^2/NDF:397.1/14

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 129.493+/-2.148 χ^2/NDF:273.4/13

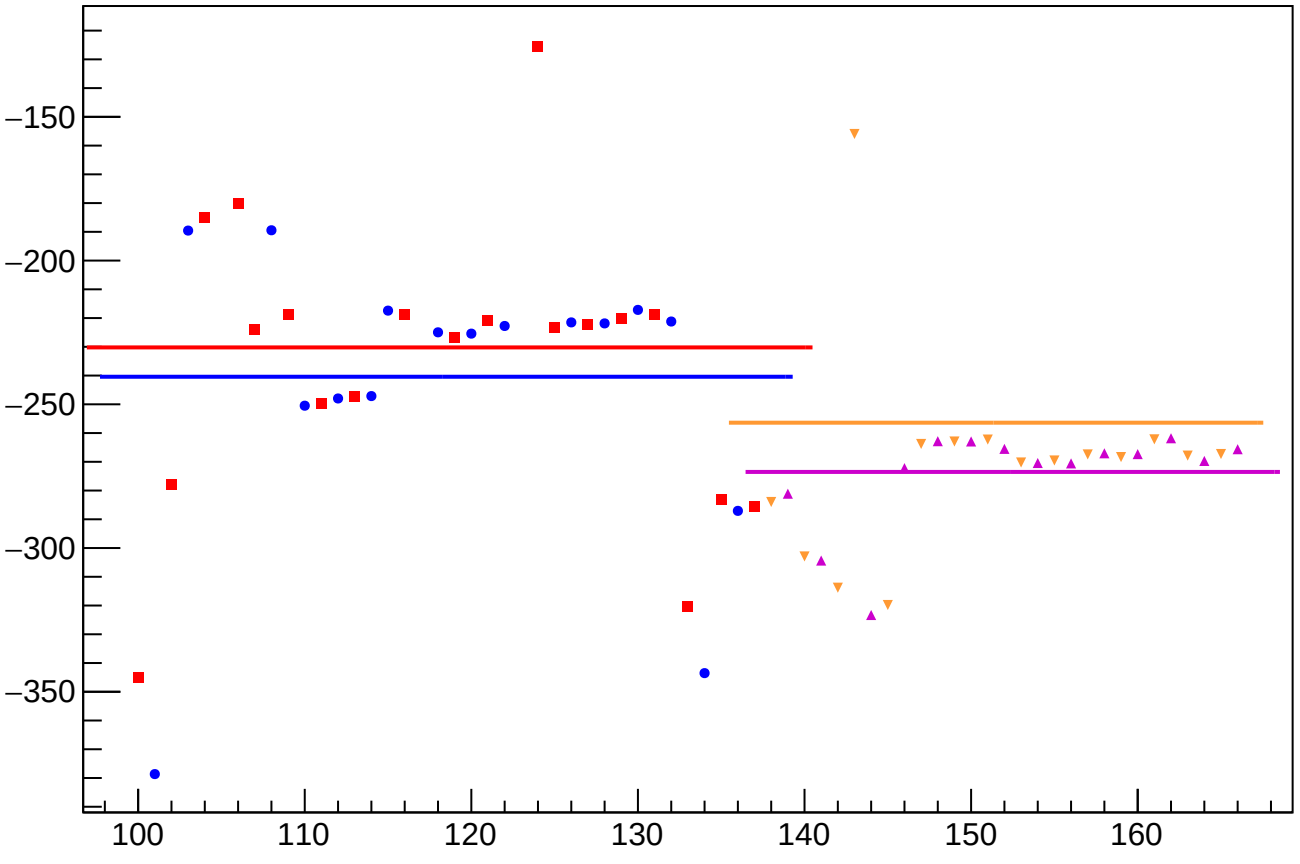
Left: 121.689+/-1.453 χ^2/NDF: 694.8/28

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.030+/-1.663 χ^2/NDF:548.0/29

Out: 114.404+/-1.559 χ^2/NDF:743.2/33

All: 120.310+/-1.137 χ^2/NDF: 1321.9/63



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.395+/-0.096 χ^2/NDF:240096.0/14

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -273.524+/-0.101 χ^2/NDF:25732.9/13

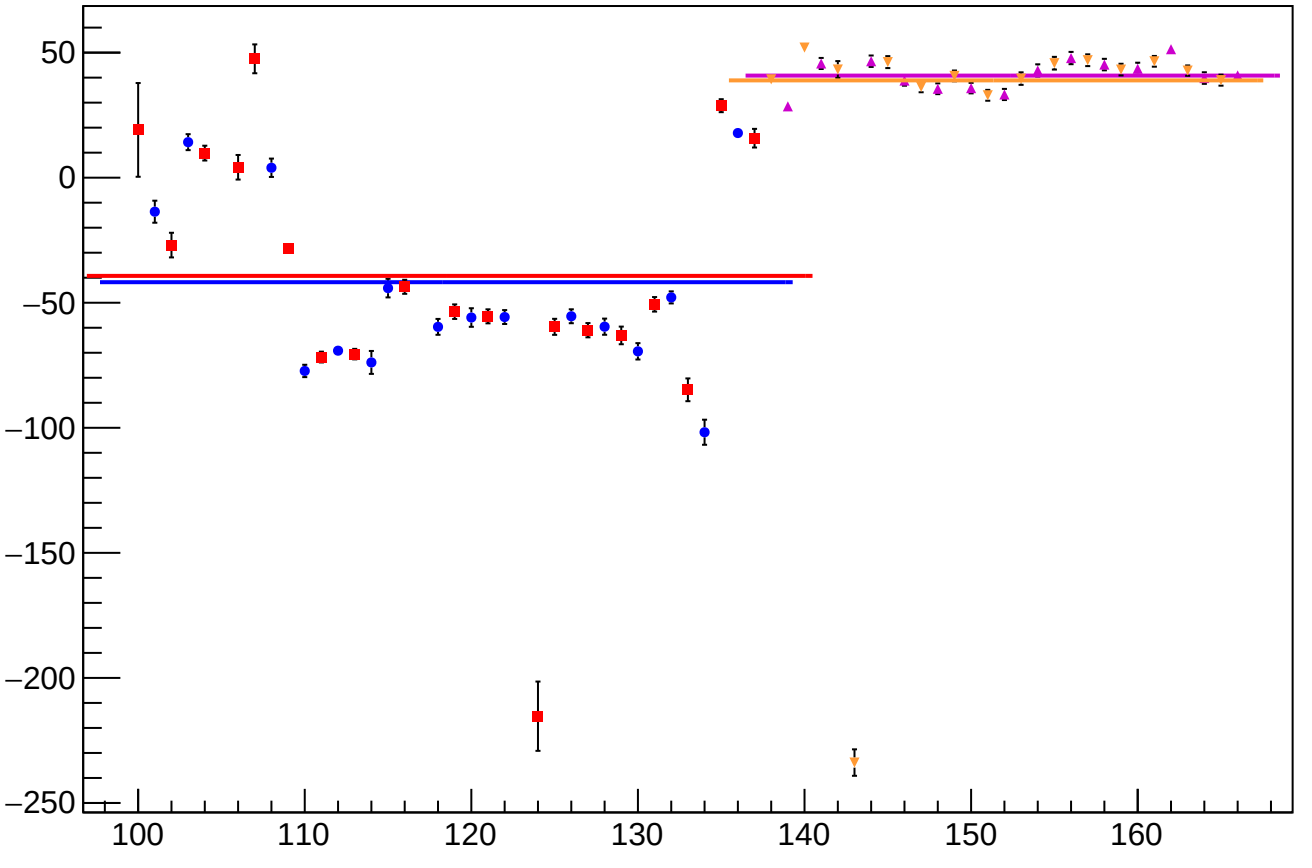
Left: -264.537+/-0.069 χ^2/NDF: 281034.2/28

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.306+/-0.084 χ^2/NDF:193303.8/29

Out: -248.553+/-0.080 χ^2/NDF:345914.6/33

All: -255.614+/-0.058 χ^2/NDF: 555429.0/63



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.898+/-0.598 χ^2/NDF:2762.8/14

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 40.813+/-0.582 χ^2/NDF:120.0/13

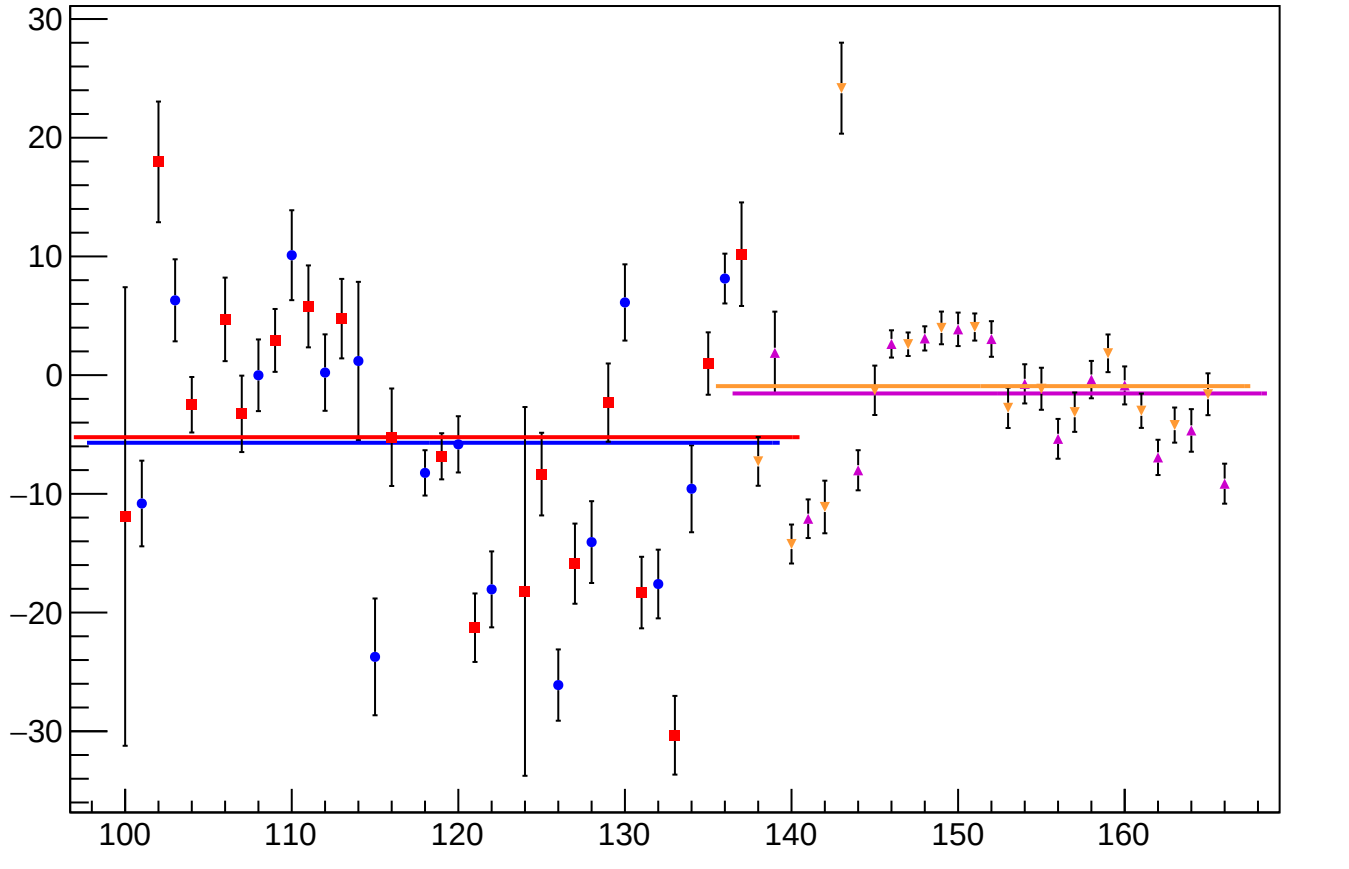
Left: 39.881+/-0.417 χ^2/NDF: 2888.0/28

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

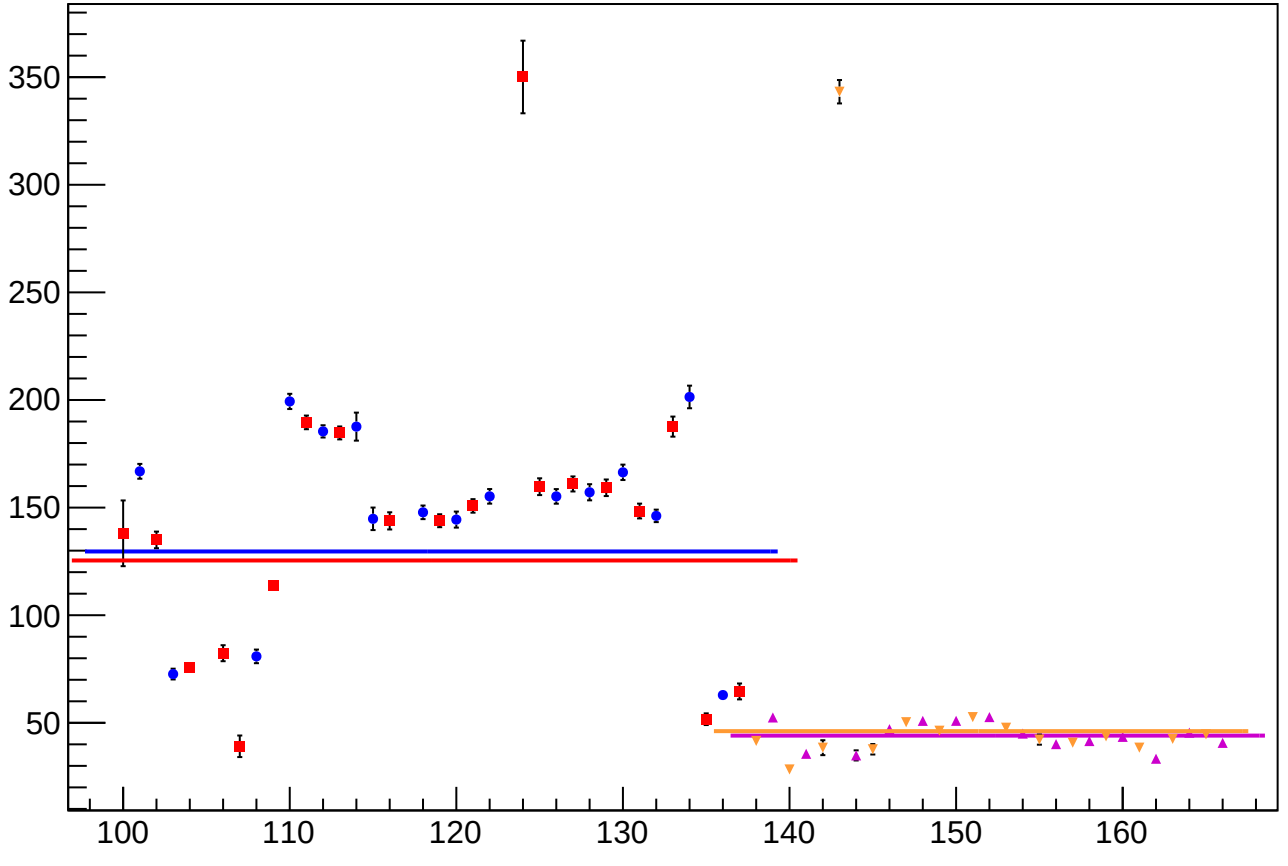
In: 8.338+/-0.453 χ^2/NDF:10443.4/29

Out: 4.805+/-0.449 χ^2/NDF:12698.0/33

All: 6.554+/-0.319 χ^2/NDF: 23172.0/63


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -0.926+/-0.405 χ²/NDF:196.6/14
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: -1.543+/-0.405 χ²/NDF:158.2/13
Left: -1.235+/-0.286 χ²/NDF: 356.0/28
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -2.474+/-0.356 χ²/NDF:378.6/29
Out: -1.916+/-0.355 χ²/NDF:420.0/33
All: -2.194+/-0.252 χ²/NDF: 799.8/63

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.135+/-0.578 χ^2/NDF:3125.5/14

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.061+/-0.563 χ^2/NDF:130.8/13

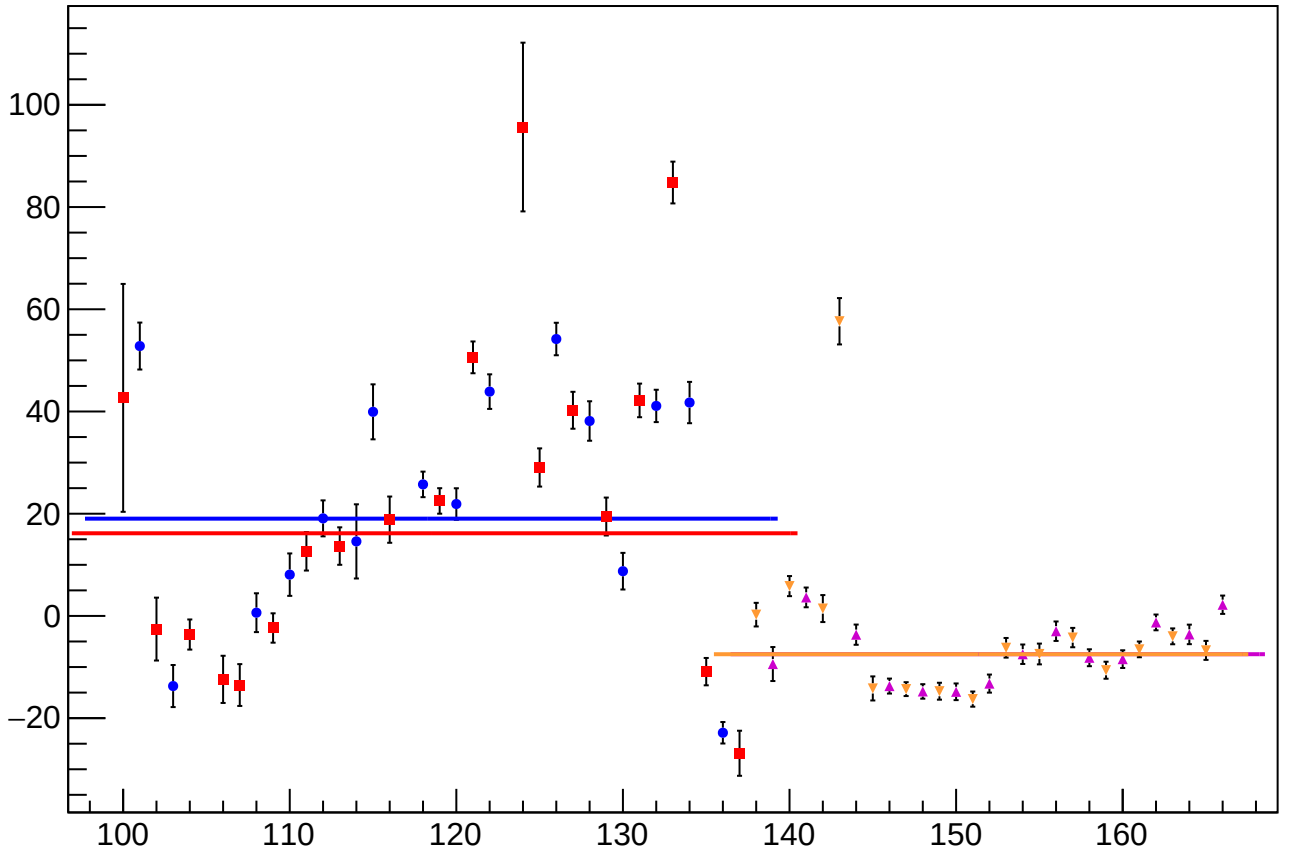
Left: 45.070+/-0.403 χ^2/NDF: 3262.9/28

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 72.381+/-0.461 χ^2/NDF:11395.5/29

Out: 73.806+/-0.467 χ^2/NDF:13192.0/33

All: 73.085+/-0.328 χ^2/NDF: 24592.3/63



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.491+/-0.473 χ^2/NDF:375.2/14

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -7.487+/-0.470 χ^2/NDF:168.2/13

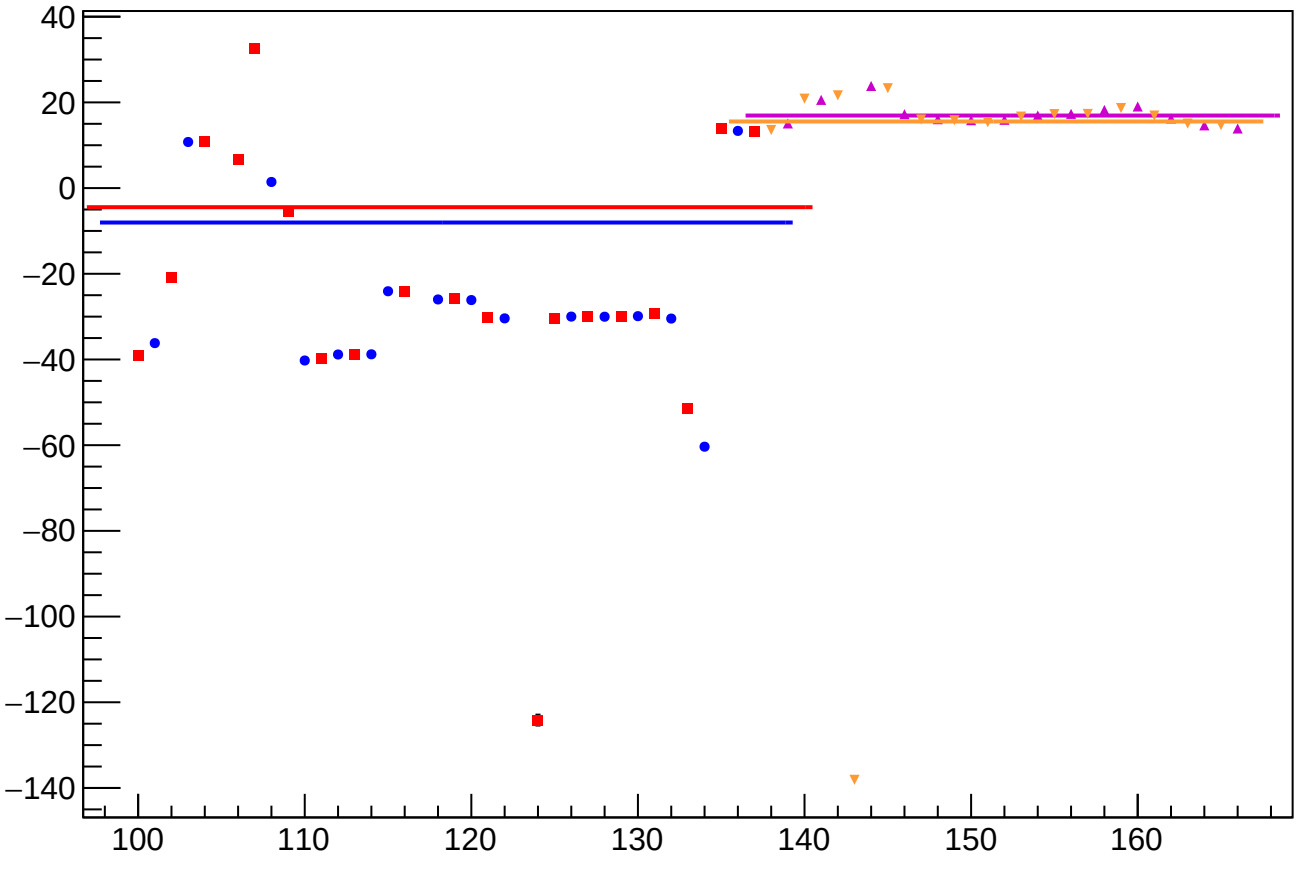
Left: -7.489+/-0.333 χ^2/NDF: 543.5/28

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.390+/-0.412 χ^2/NDF:1759.0/29

Out: -1.848+/-0.413 χ^2/NDF:1912.4/33

All: -1.618+/-0.292 χ^2/NDF: 3672.0/63



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.546+/-0.022 χ^2/NDF:476298.8/14

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 16.929+/-0.021 χ^2/NDF:10265.5/13

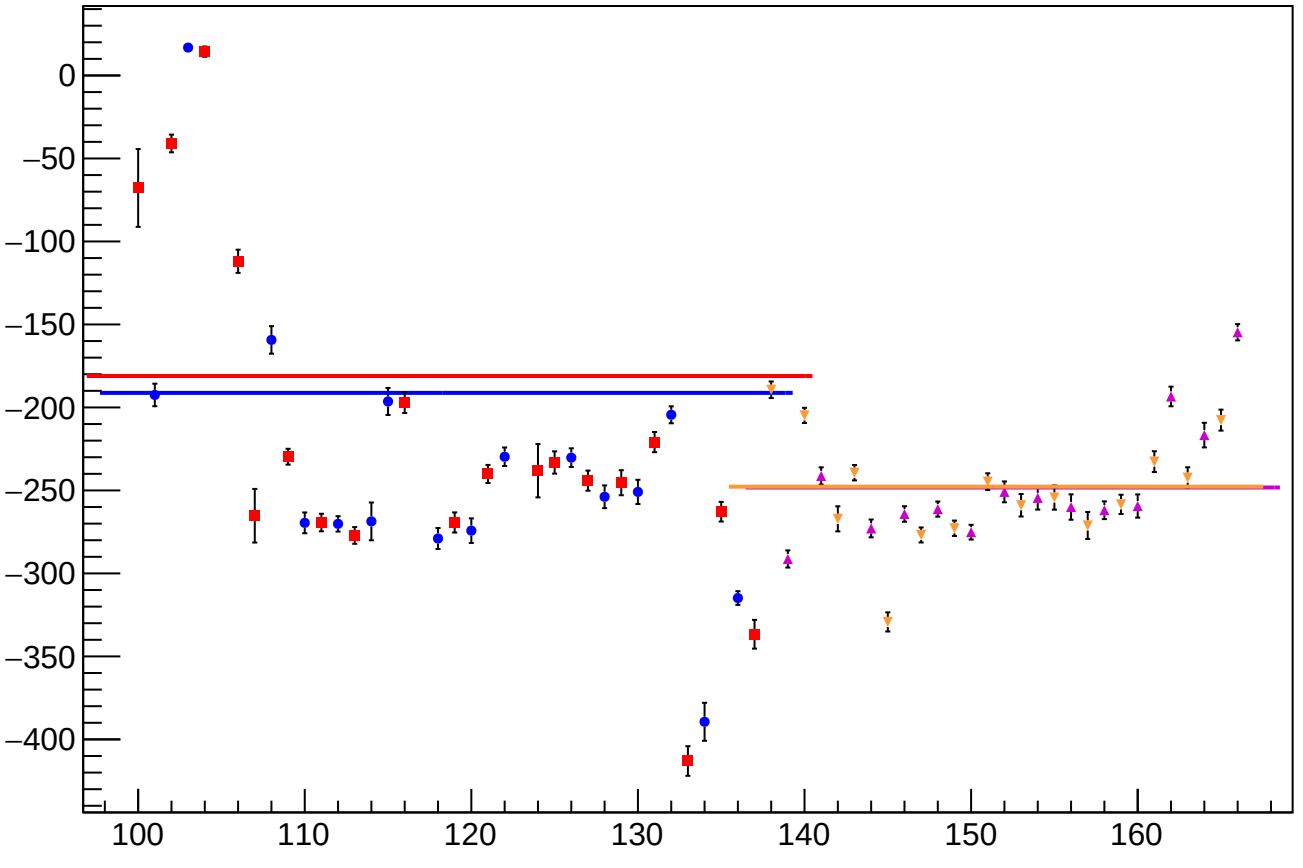
Left: 16.256+/-0.015 χ^2/NDF: 488636.8/28

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.531+/-0.019 χ^2/NDF:522672.8/29

Out: 11.987+/-0.020 χ^2/NDF:854969.9/33

All: 12.266+/-0.014 χ^2/NDF: 1378033.2/63



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -247.740+/-1.446 χ^2/NDF:566.8/14

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -248.238+/-1.475 χ^2/NDF:627.7/13

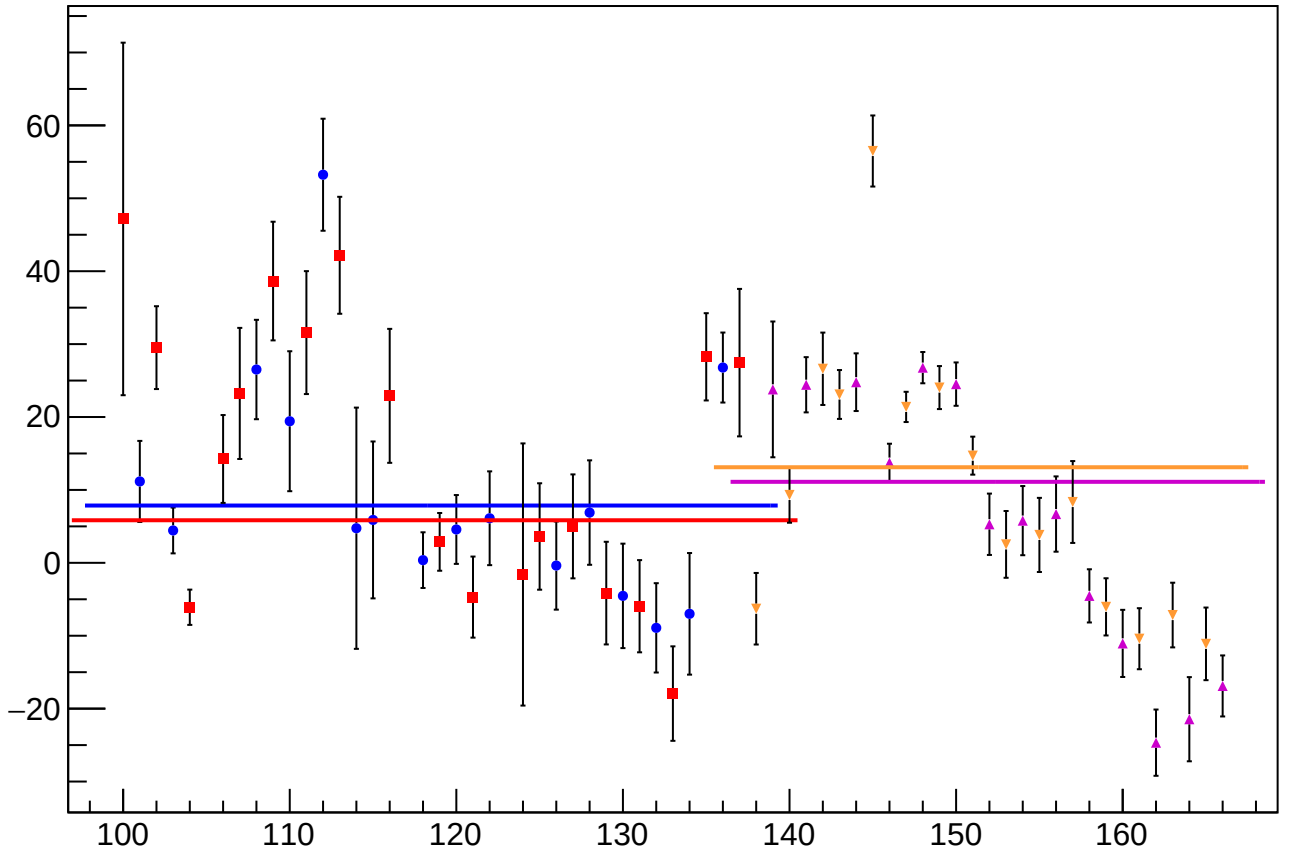
Left: -247.984+/-1.033 χ^2/NDF: 1194.5/28

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -218.629+/-1.022 χ^2/NDF:8628.8/29

Out: -212.907+/-0.999 χ^2/NDF:9050.7/33

All: -215.703+/-0.715 χ^2/NDF: 17695.5/63



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 13.110+/-0.950 χ^2/NDF:251.4/14

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 11.111+/-0.990 χ^2/NDF:284.8/13

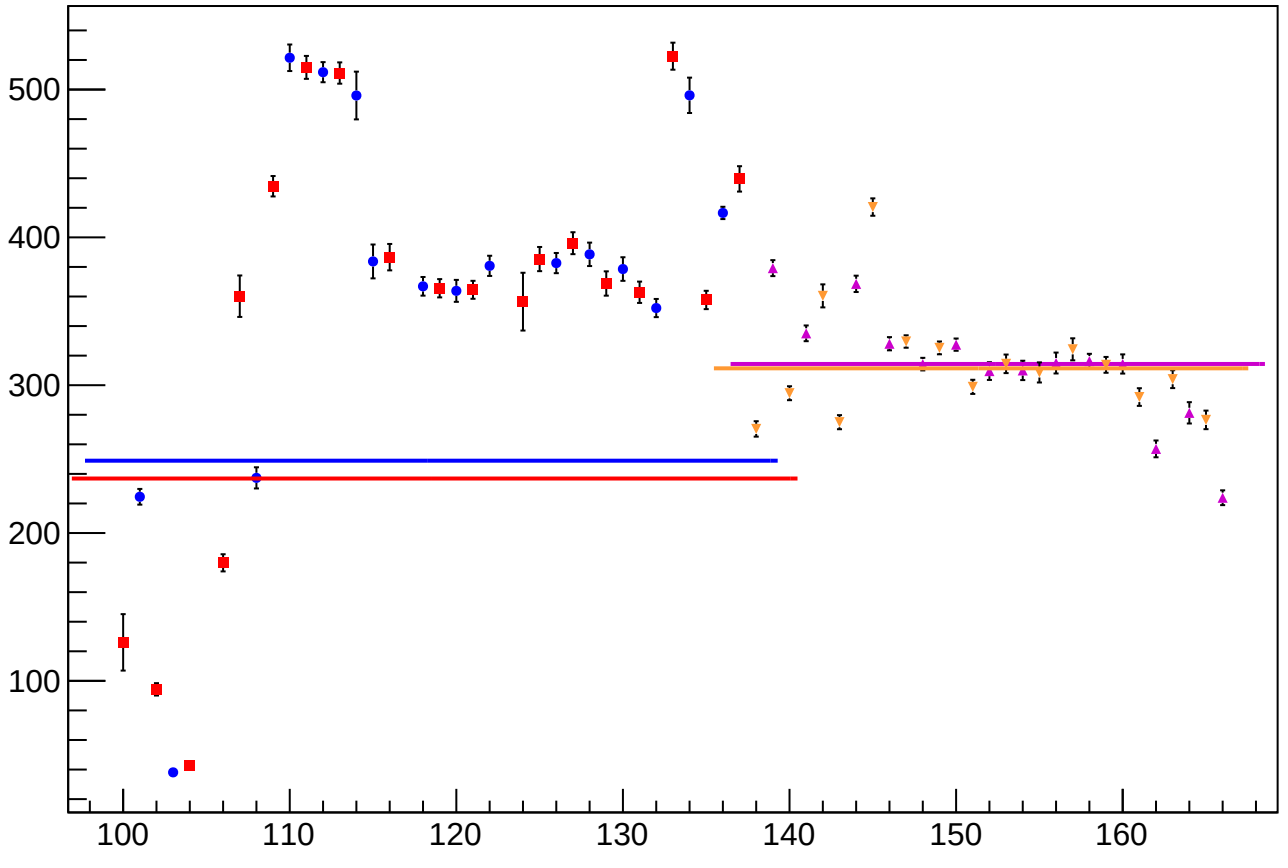
Left: 12.152+/-0.685 χ^2/NDF: 538.4/28

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 10.065+/-0.815 χ^2/NDF:369.2/29

Out: 10.715+/-0.778 χ^2/NDF:412.6/33

All: 10.405+/-0.563 χ^2/NDF: 782.1/63



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 311.409+/-1.407 χ^2/NDF:598.2/14

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 314.367+/-1.426 χ^2/NDF:725.6/13

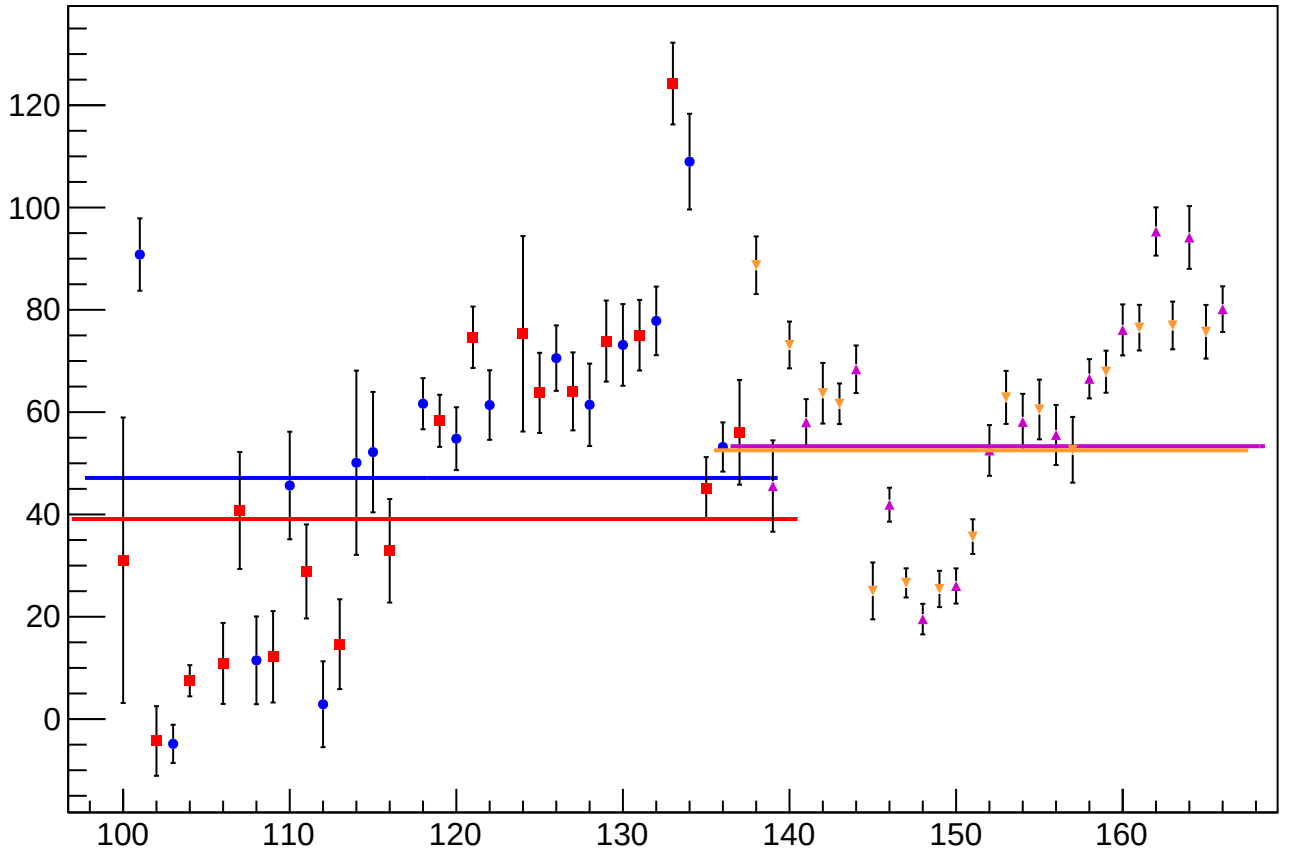
Left: 312.868+/-1.002 χ^2/NDF: 1326.0/28

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 281.545+/-1.007 χ^2/NDF:17083.6/29

Out: 274.135+/-0.995 χ^2/NDF:17659.3/33

All: 277.795+/-0.708 χ^2/NDF: 34770.2/63



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 52.547+/-1.135 χ^2/NDF:356.5/14

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 53.342+/-1.171 χ^2/NDF:408.5/13

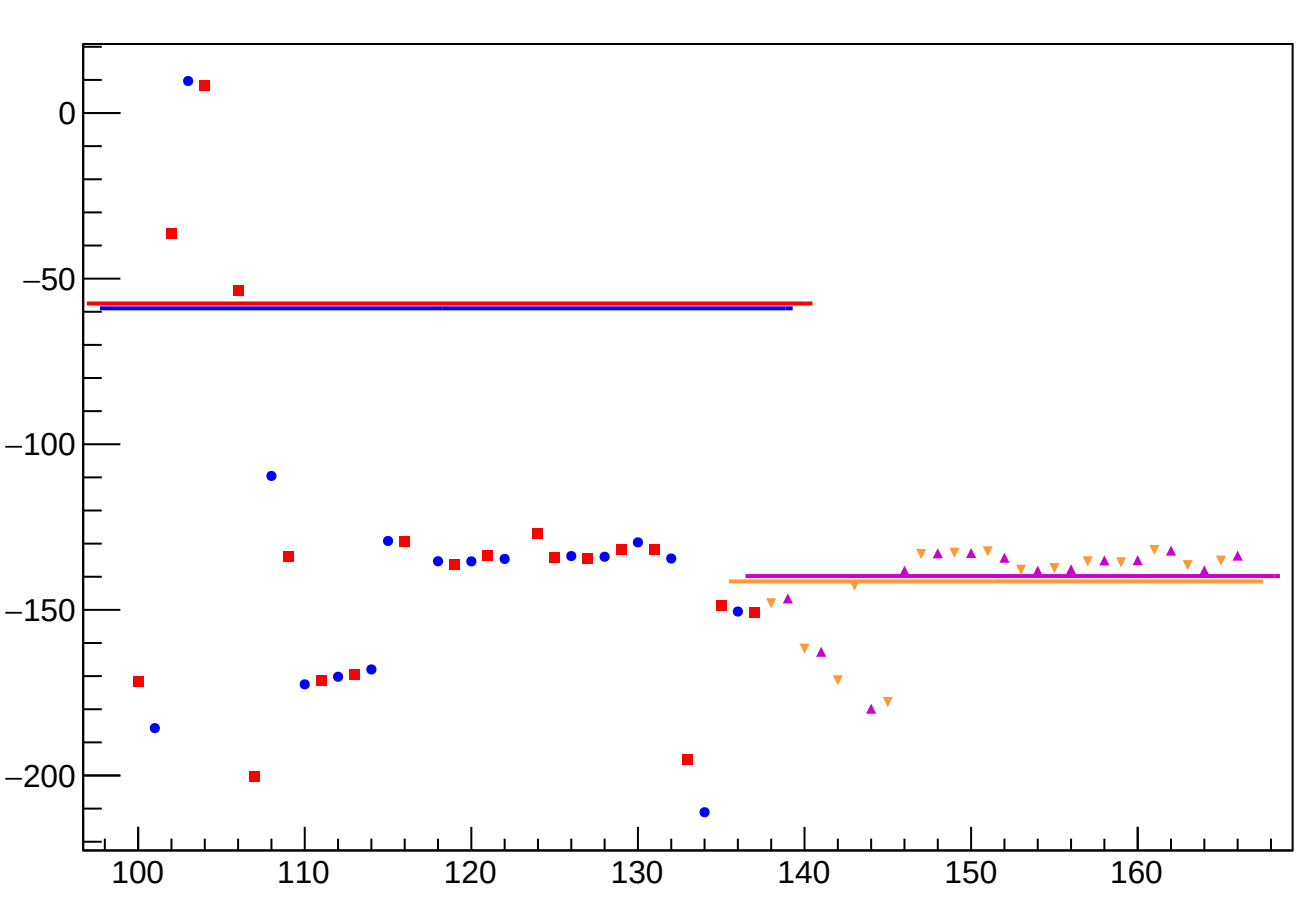
Left: 52.932+/-0.815 χ^2/NDF: 765.3/28

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.292+/-0.959 χ^2/NDF:803.1/29

Out: 48.032+/-0.925 χ^2/NDF:820.1/33

All: 49.604+/-0.666 χ^2/NDF: 1629.2/63



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -141.398+/-0.055 χ^2/NDF:55395.2/14

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -139.794+/-0.055 χ^2/NDF:45981.1/13

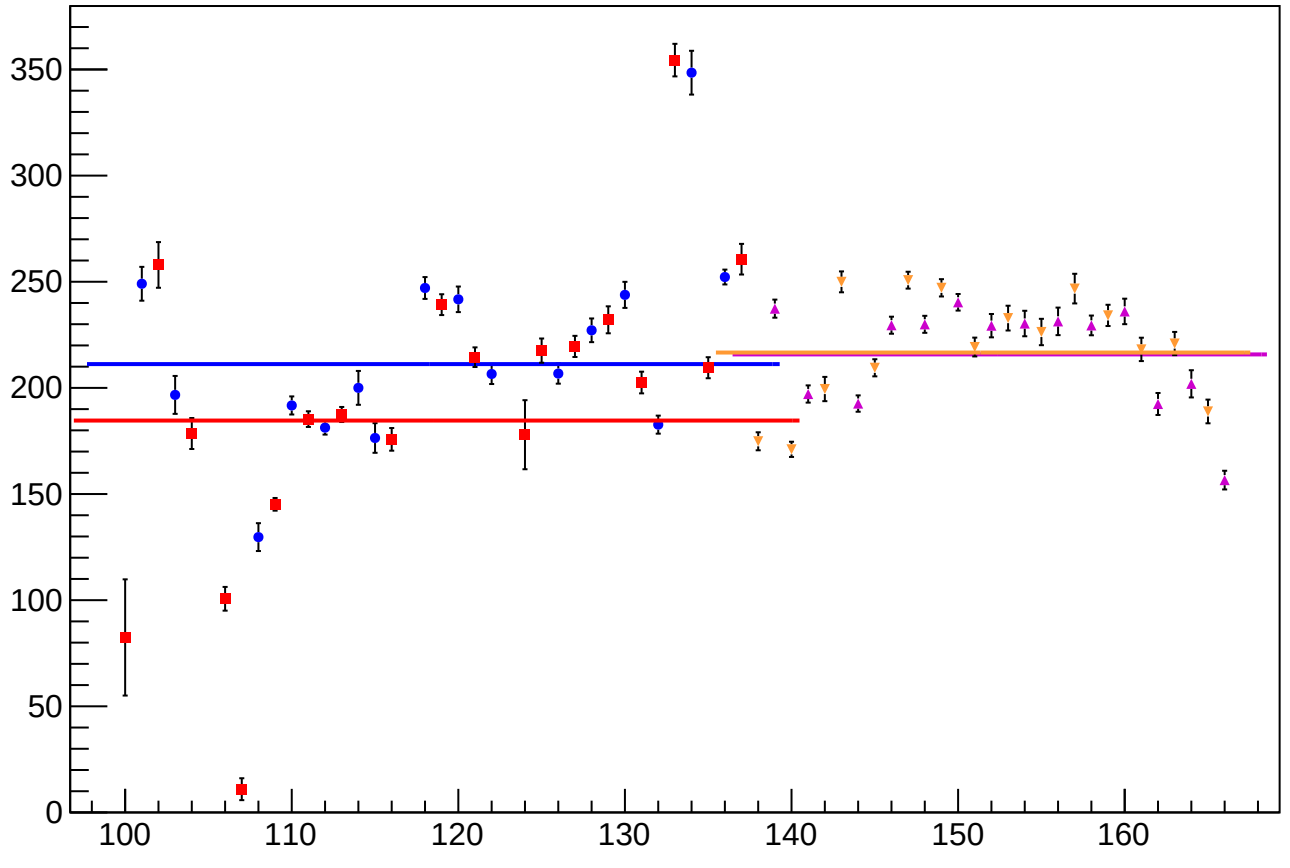
Left: -140.596+/-0.039 χ^2/NDF: 101806.0/28

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -110.531+/-0.044 χ^2/NDF:2063926.8/29

Out: -111.882+/-0.044 χ^2/NDF:1754114.4/33

All: -111.201+/-0.031 χ^2/NDF: 3818515.4/63



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.656+/-1.235 χ^2/NDF:513.0/14

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 215.769+/-1.245 χ^2/NDF:390.0/13

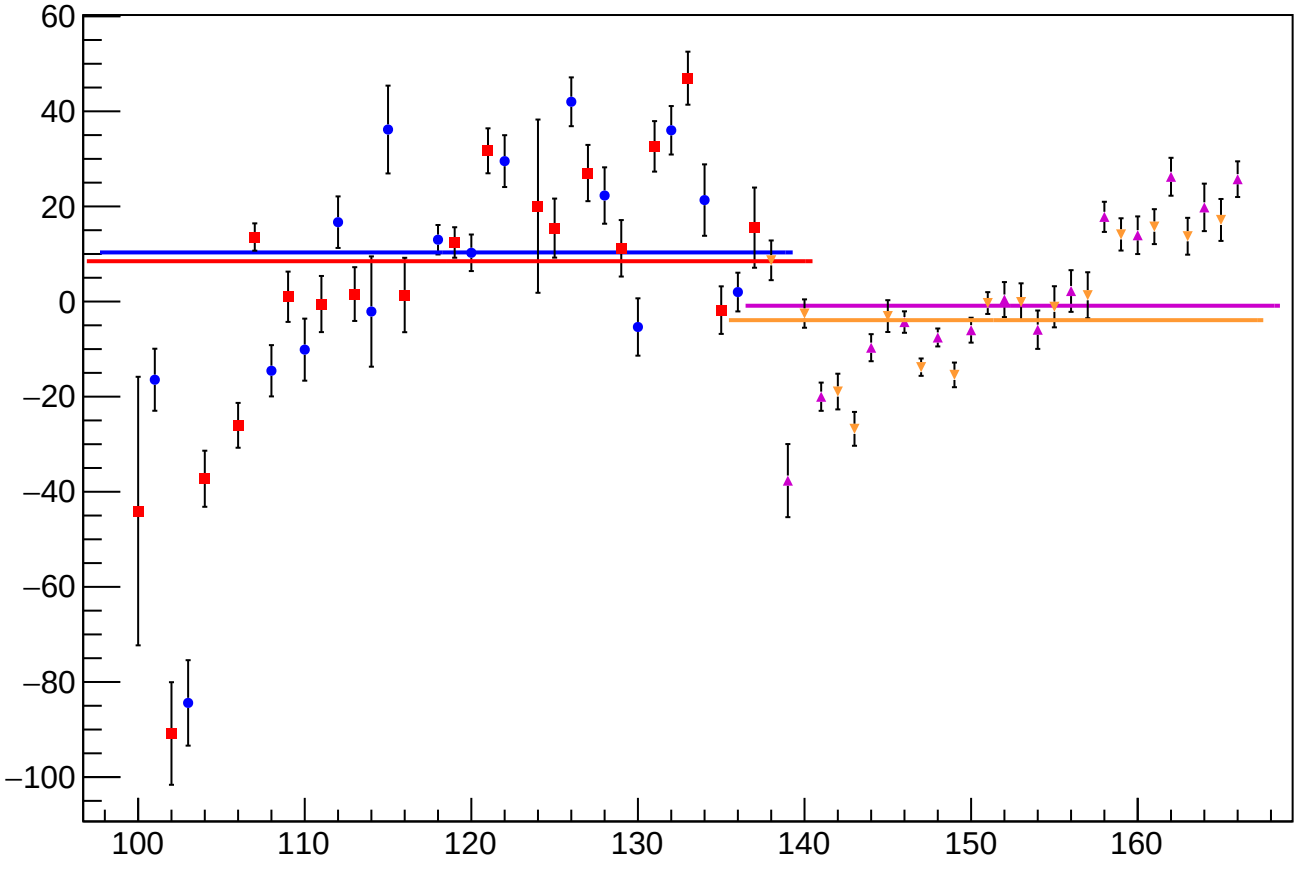
Left: 216.216+/-0.877 χ^2/NDF: 903.2/28

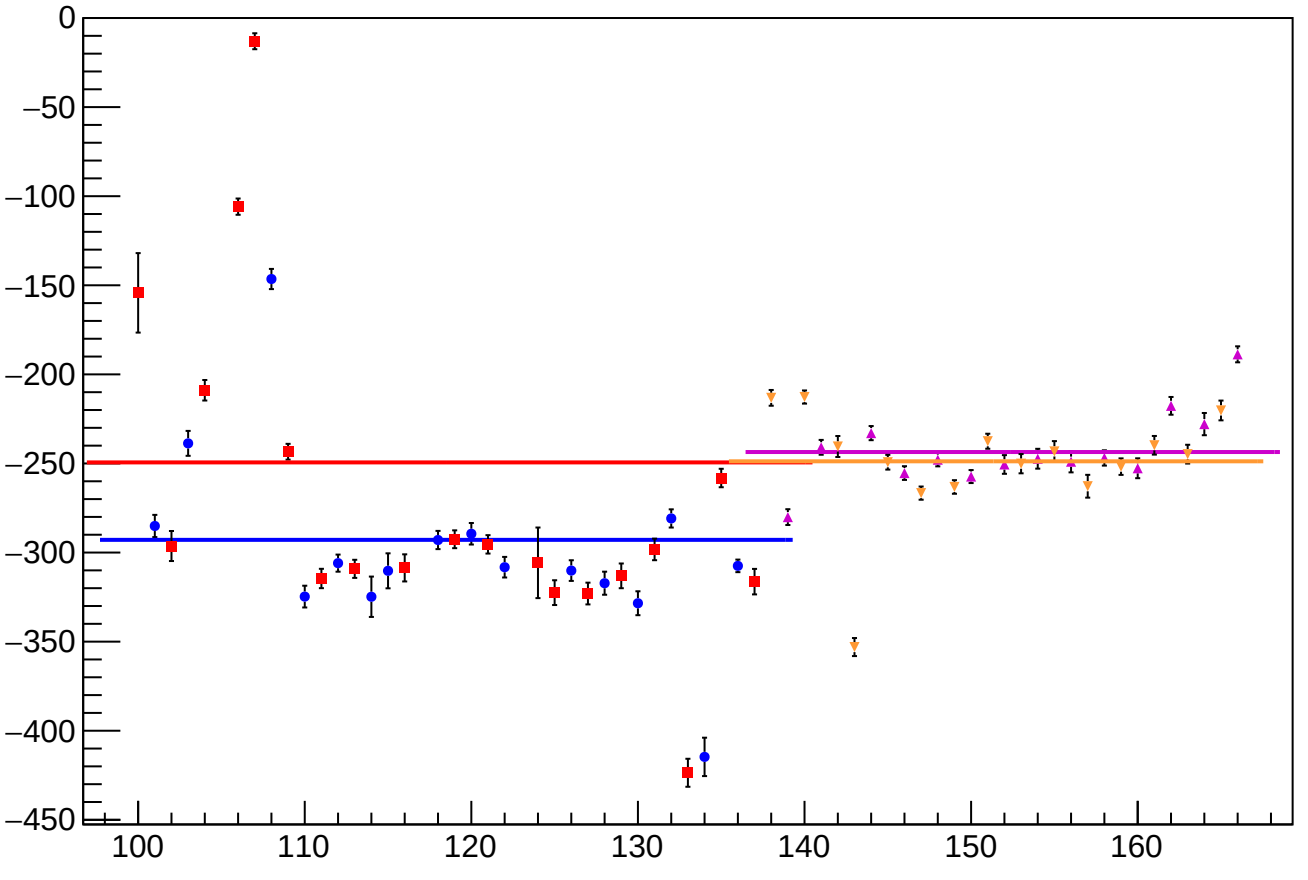
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.580+/-0.898 χ^2/NDF:1179.4/29

Out: 200.089+/-0.858 χ^2/NDF:3401.3/33

All: 206.532+/-0.620 χ^2/NDF: 4698.6/63


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -3.916+/-0.820 χ²/NDF:221.1/14
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -0.882+/-0.845 χ²/NDF:257.4/13
Left: -2.444+/-0.588 χ²/NDF: 485.2/28
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 2.331+/-0.713 χ²/NDF:571.2/29
Out: -0.080+/-0.681 χ²/NDF:614.2/33
All: 1.070+/-0.493 χ²/NDF: 1191.3/63



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -248.795+/-1.205 χ^2/NDF:667.3/14

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -243.581+/-1.209 χ^2/NDF:289.1/13

Left: -246.197+/-0.853 χ^2/NDF: 965.8/28

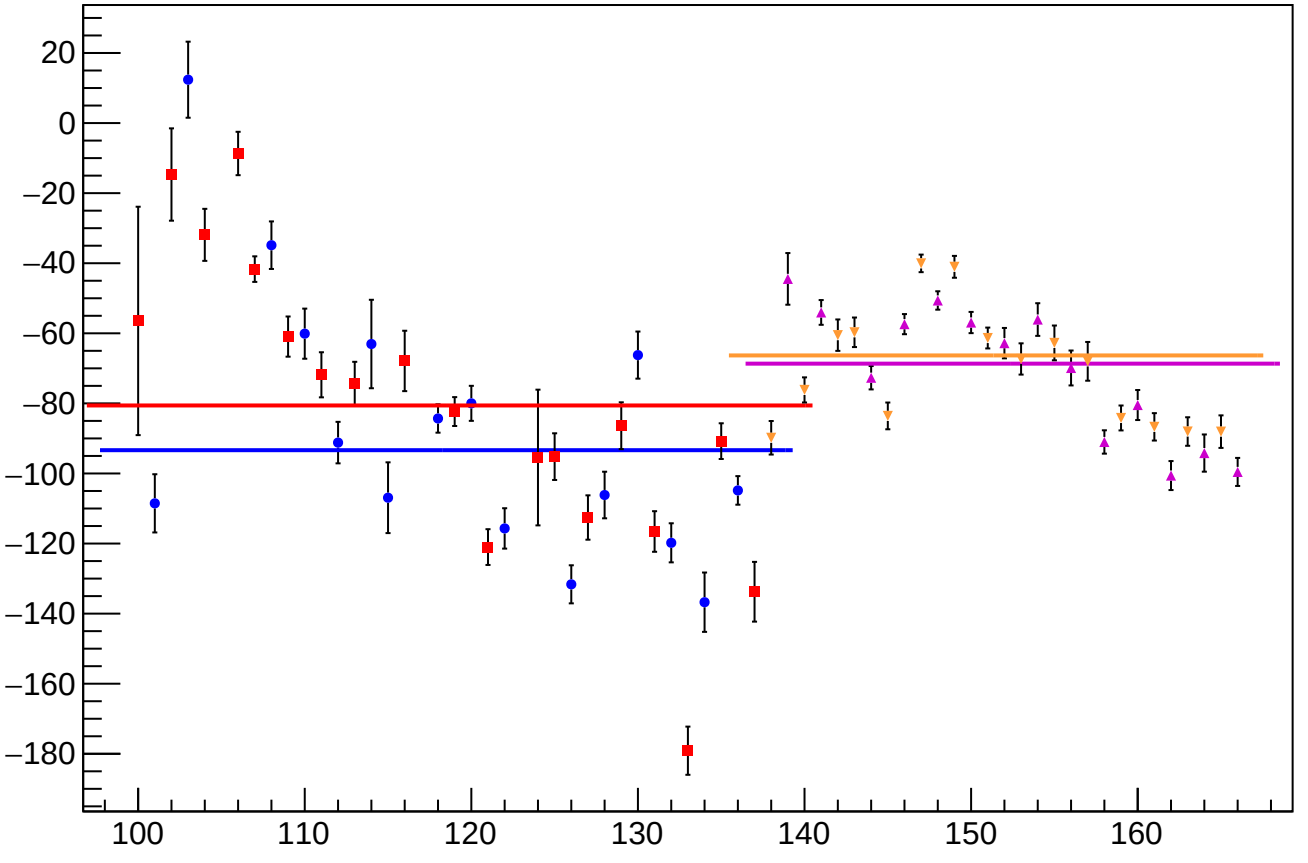
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -263.502+/-0.933 χ^2/NDF:1944.8/29

Out: -249.062+/-0.904 χ^2/NDF:6035.9/33

All: -256.057+/-0.649 χ^2/NDF: 8104.2/63

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -66.312+/-0.978 χ^2/NDF:338.1/14

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -68.660+/-0.998 χ^2/NDF:311.0/13

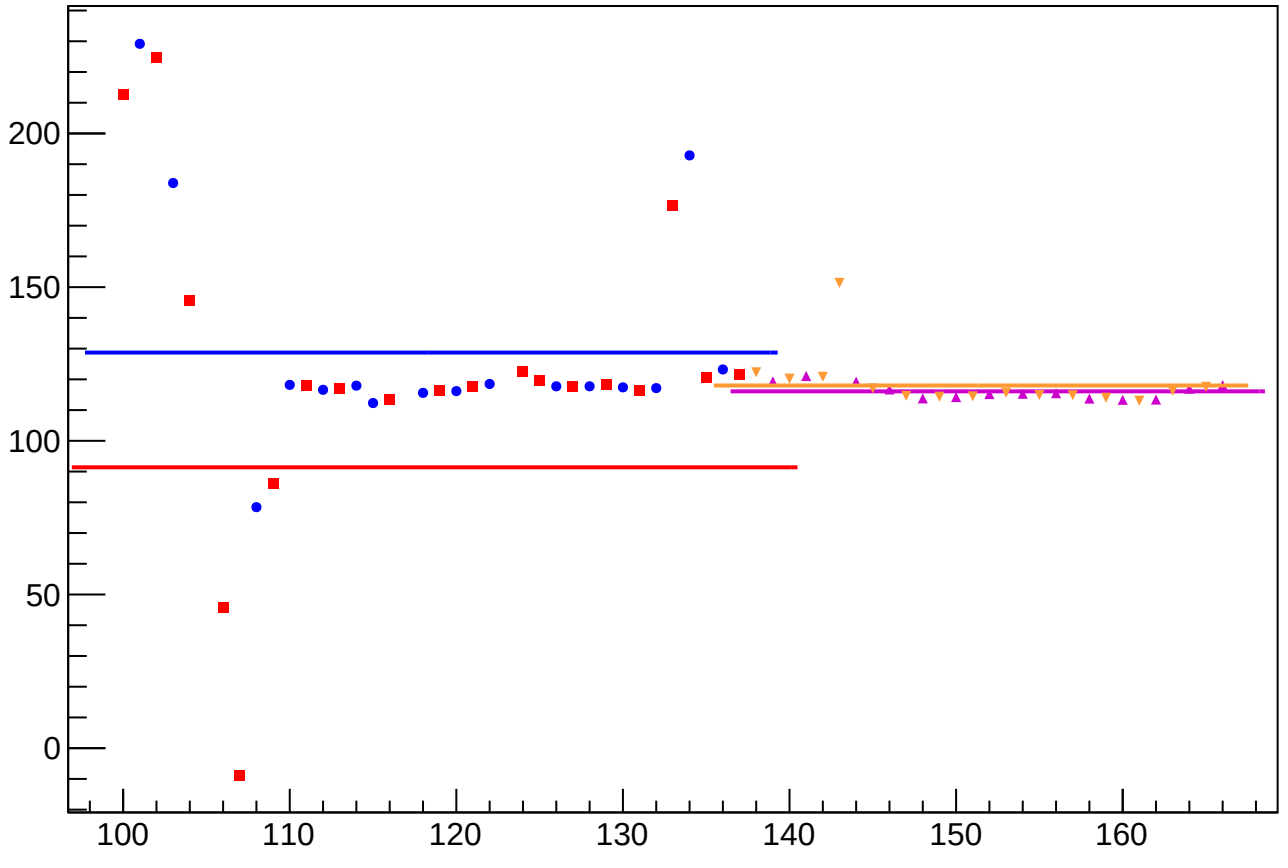
Left: -67.462+/-0.698 χ^2/NDF: 651.9/28

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.001+/-0.837 χ^2/NDF:848.4/29

Out: -70.888+/-0.806 χ^2/NDF:1121.8/33

All: -73.350+/-0.580 χ^2/NDF: 1989.5/63



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.004+/-0.047 χ^2/NDF:29403.5/14

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.097+/-0.046 χ^2/NDF:2822.9/13

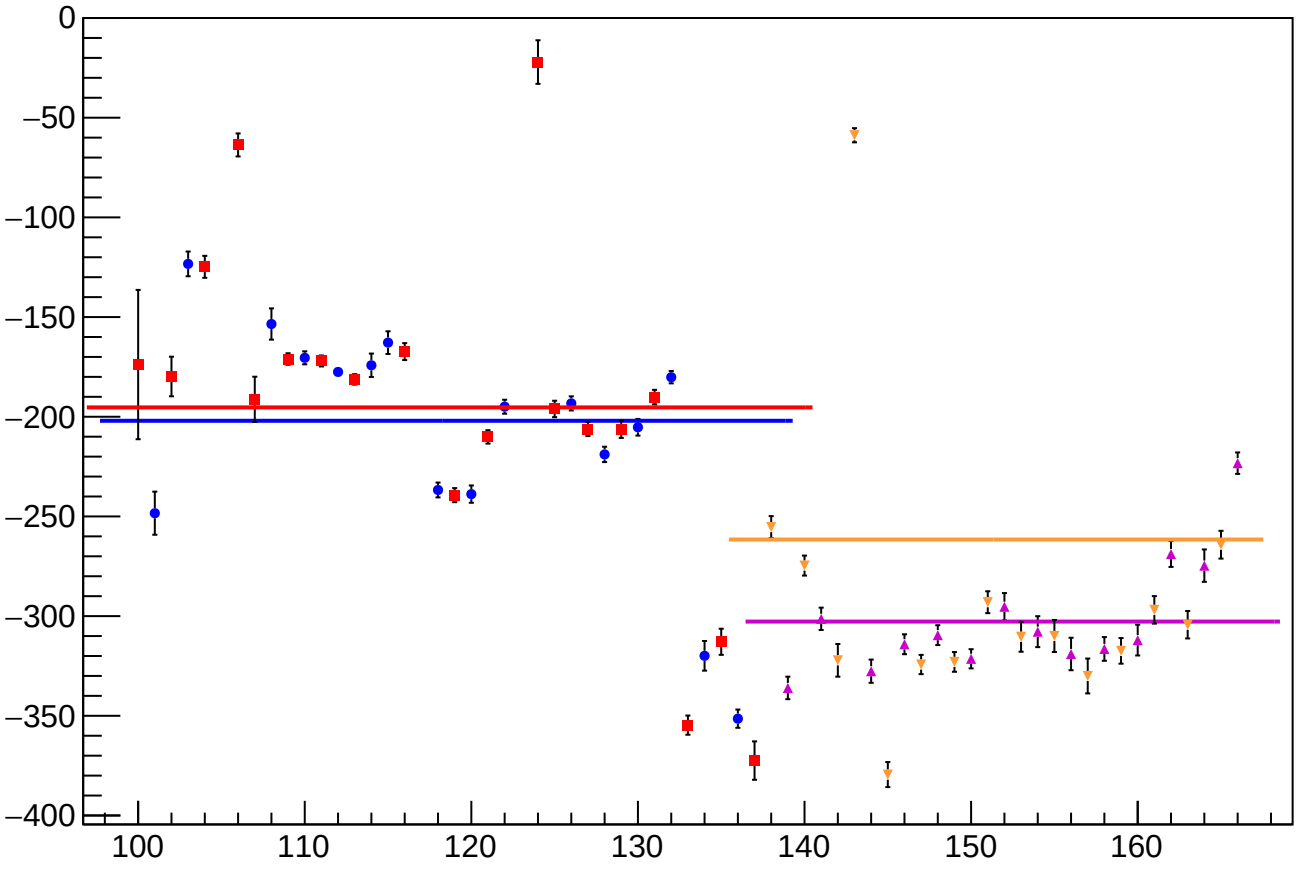
Left: 117.043+/-0.033 χ^2/NDF: 33060.8/28

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.796+/-0.041 χ^2/NDF:202098.5/29

Out: 111.081+/-0.040 χ^2/NDF:718194.9/33

All: 114.853+/-0.029 χ^2/NDF: 938194.7/63



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.578+/-1.504 χ^2/NDF:4298.8/14

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -302.738+/-1.606 χ^2/NDF:345.2/13

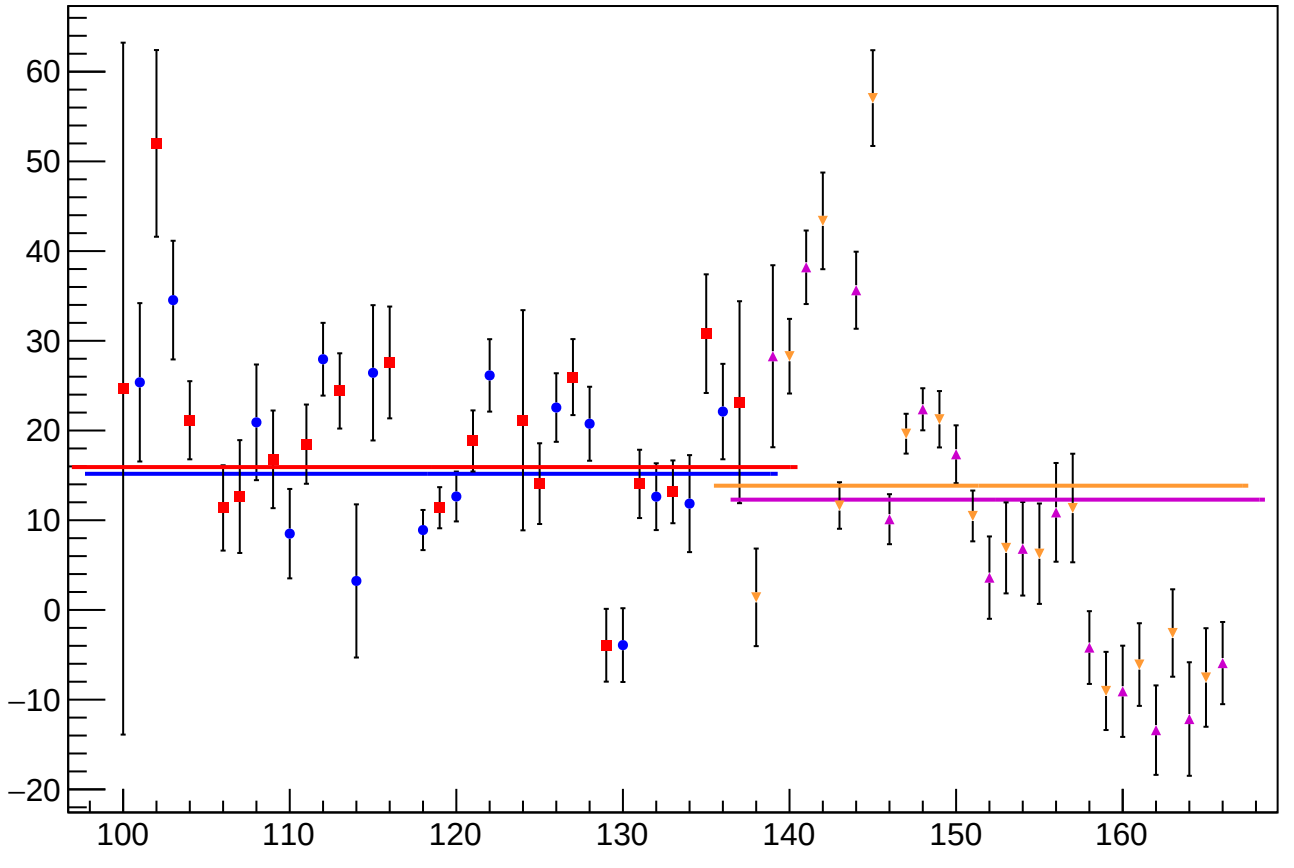
Left: -280.806+/-1.098 χ^2/NDF: 4994.0/28

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.136+/-0.863 χ^2/NDF:5181.9/29

Out: -214.900+/-0.818 χ^2/NDF:8767.6/33

All: -222.575+/-0.594 χ^2/NDF: 14135.9/63



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.850+/-0.994 χ^2/NDF:204.0/14

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 12.294+/-1.078 χ^2/NDF:189.7/13

Left: 13.136+/-0.731 χ^2/NDF: 394.9/28

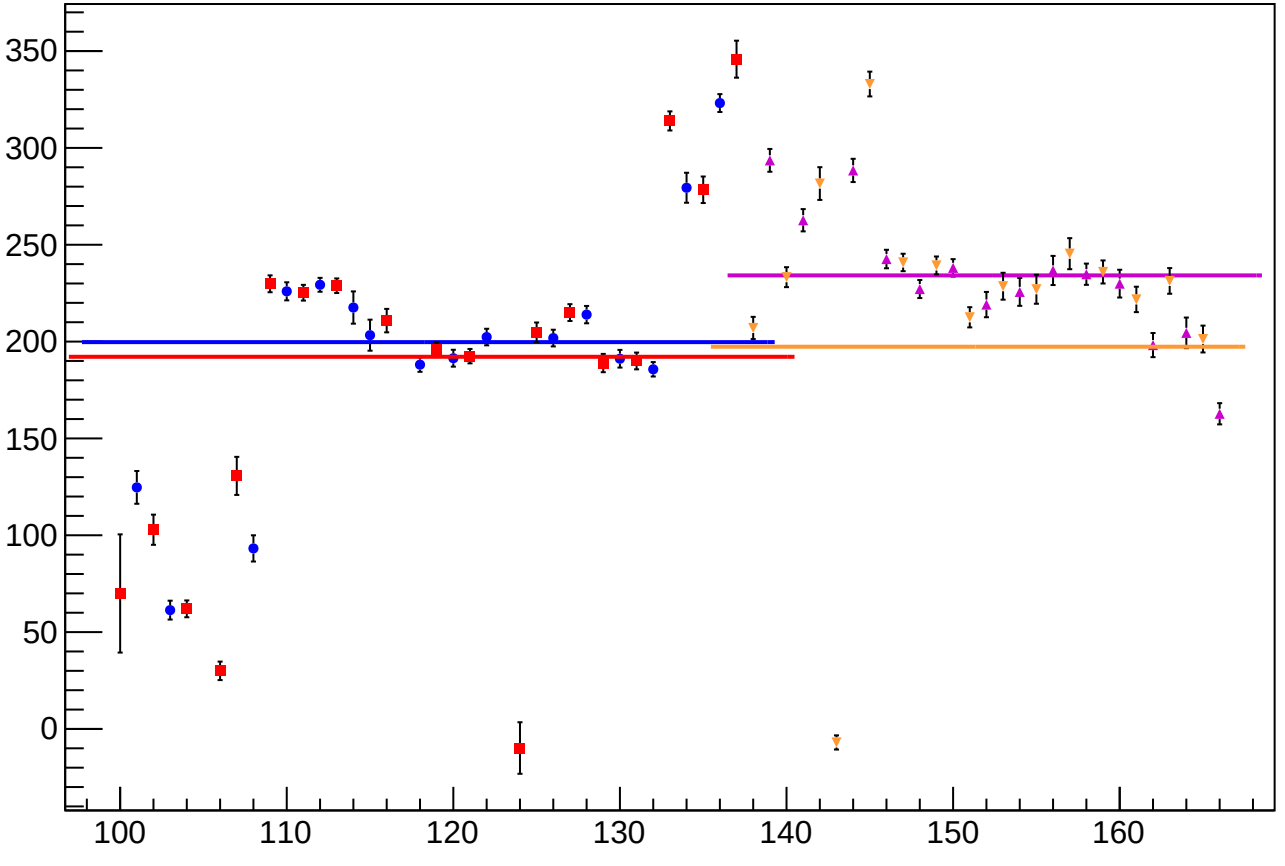
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.776+/-0.751 χ^2/NDF:265.7/29

Out: 14.844+/-0.718 χ^2/NDF:269.7/33

All: 14.335+/-0.519 χ^2/NDF: 536.5/63

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.349+/-1.469 χ^2/NDF:4055.9/14

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 234.178+/-1.554 χ^2/NDF:438.5/13

Left: 214.736+/-1.067 χ^2/NDF: 4791.0/28

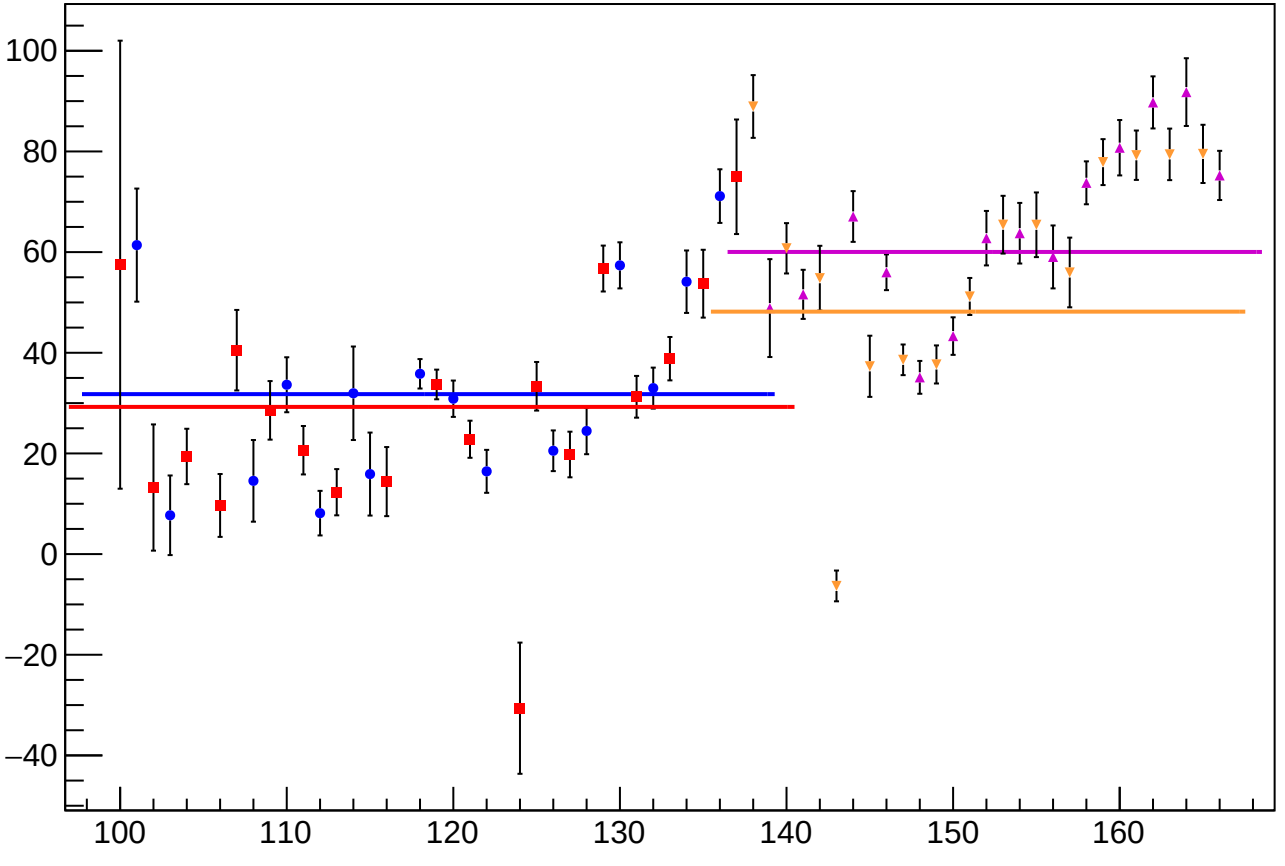
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.539+/-0.948 χ^2/NDF:2849.0/29

Out: 194.130+/-0.906 χ^2/NDF:7840.8/33

All: 202.920+/-0.655 χ^2/NDF: 10887.0/63

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 48.173+/-1.188 χ^2/NDF:555.8/14

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.032+/-1.277 χ^2/NDF:176.1/13

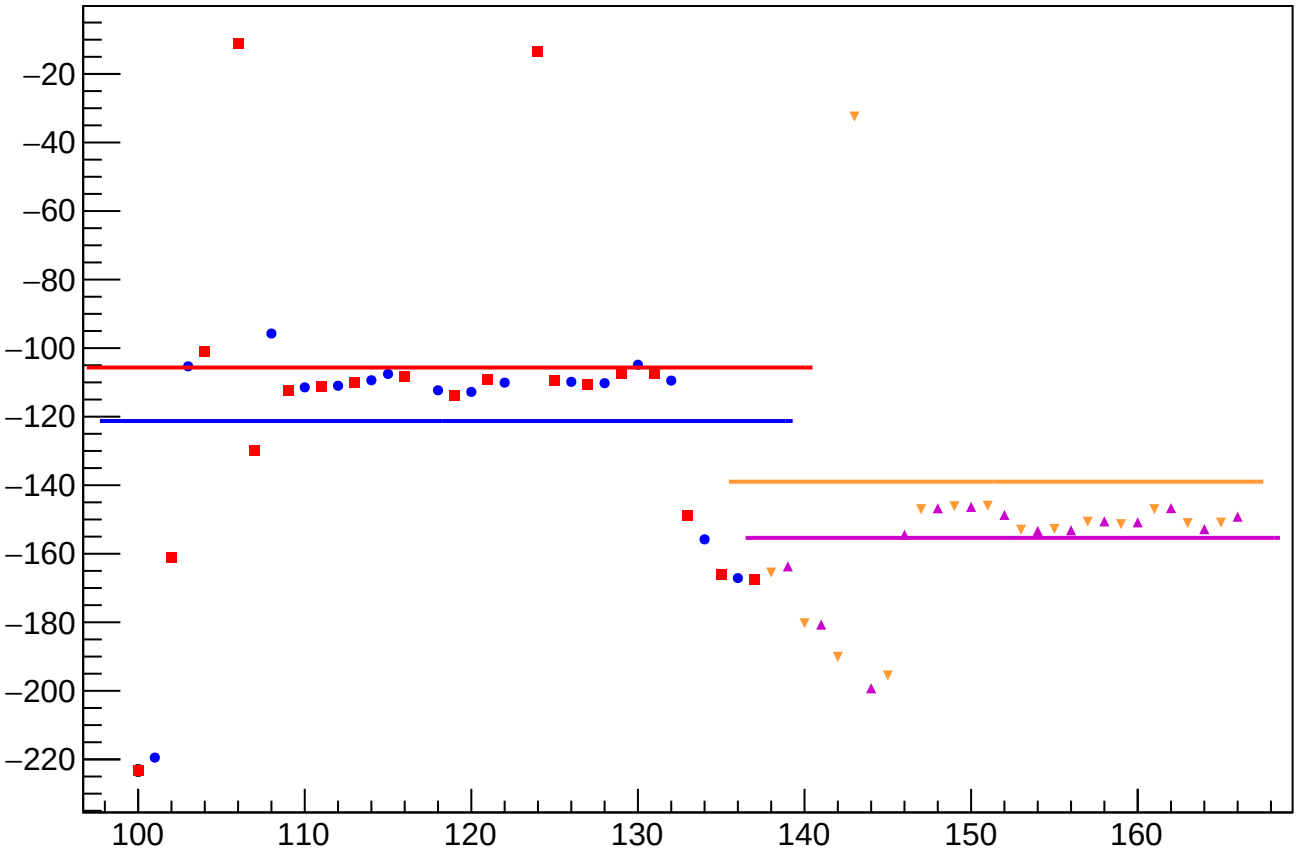
Left: 53.677+/-0.870 χ^2/NDF: 778.1/28

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 45.227+/-0.881 χ^2/NDF:609.7/29

Out: 38.777+/-0.843 χ^2/NDF:822.7/33

All: 41.862+/-0.609 χ^2/NDF: 1460.4/63



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.967+/-0.057 χ^2/NDF:630773.7/14

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.368+/-0.060 χ^2/NDF:48421.4/13

Left: -146.866+/-0.041 χ^2/NDF: 718428.2/28

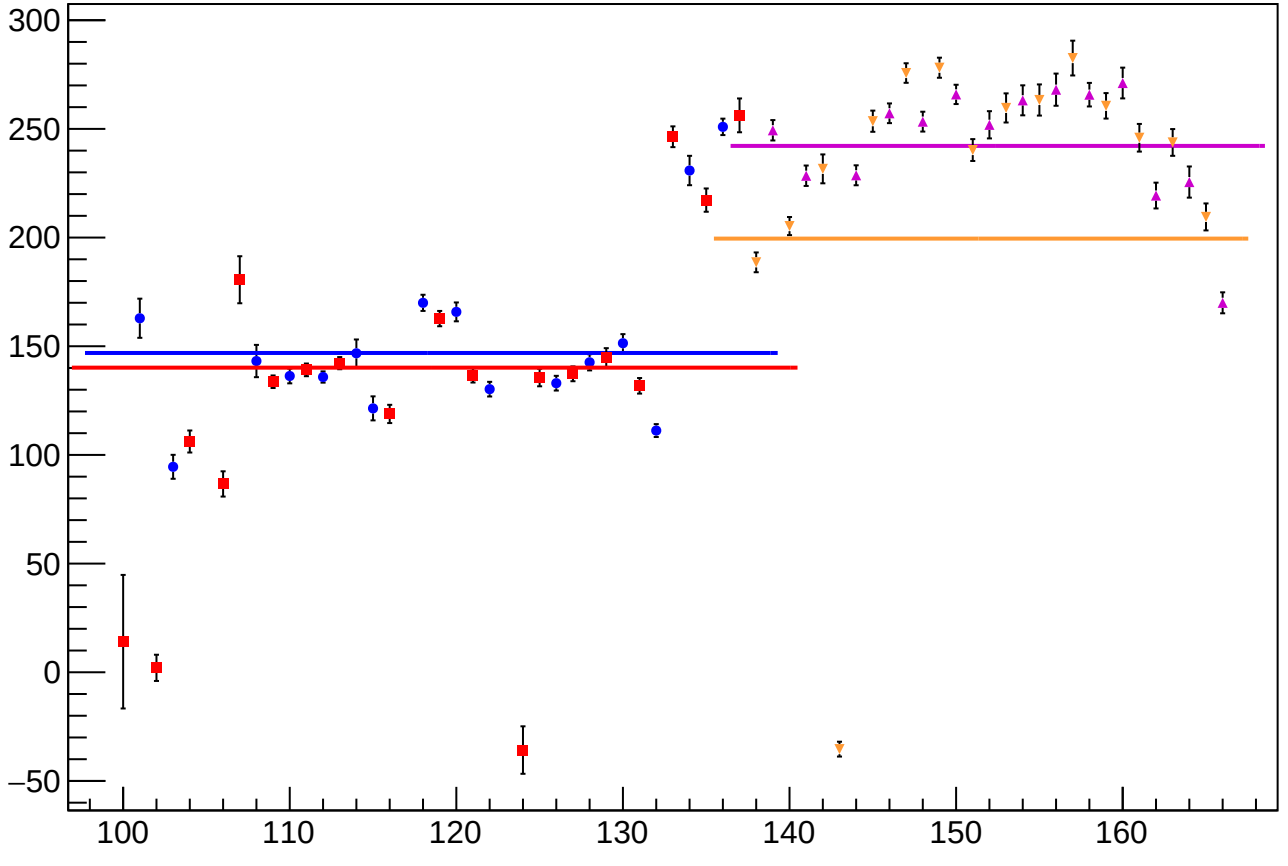
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -143.039+/-0.048 χ^2/NDF:286104.6/29

Out: -126.585+/-0.046 χ^2/NDF:1110751.3/33

All: -134.443+/-0.033 χ^2/NDF: 1459178.8/63

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.524+/-1.342 χ^2/NDF:5999.8/14

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 242.173+/-1.421 χ^2/NDF:368.3/13

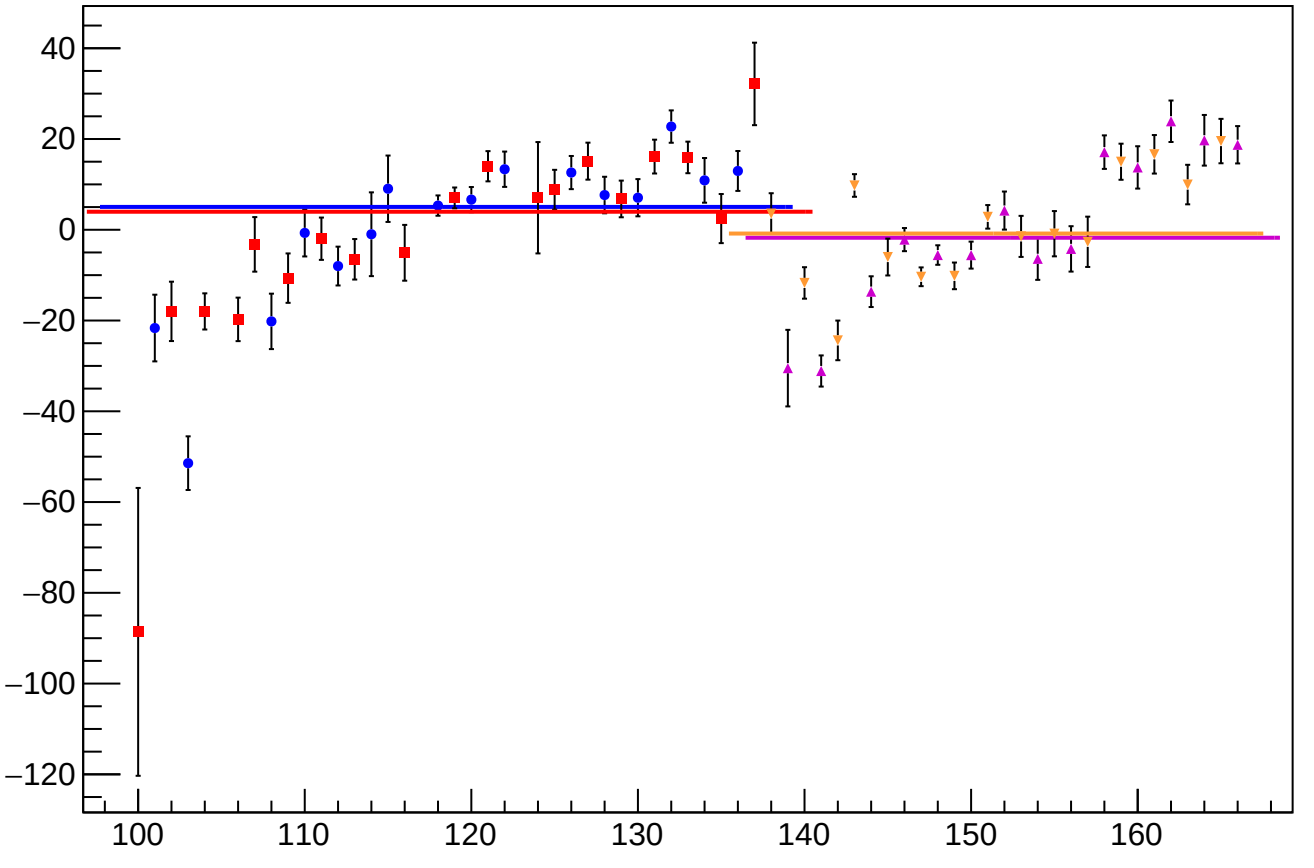
Left: 219.624+/-0.976 χ^2/NDF: 6844.2/28

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 178.592+/-0.820 χ^2/NDF:4669.2/29

Out: 160.255+/-0.781 χ^2/NDF:9245.3/33

All: 168.978+/-0.565 χ^2/NDF: 14176.8/63



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.833+/-0.898 χ^2/NDF:149.3/14

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -1.756+/-0.966 χ^2/NDF:213.4/13

Left: -1.261+/-0.658 χ^2/NDF: 363.2/28

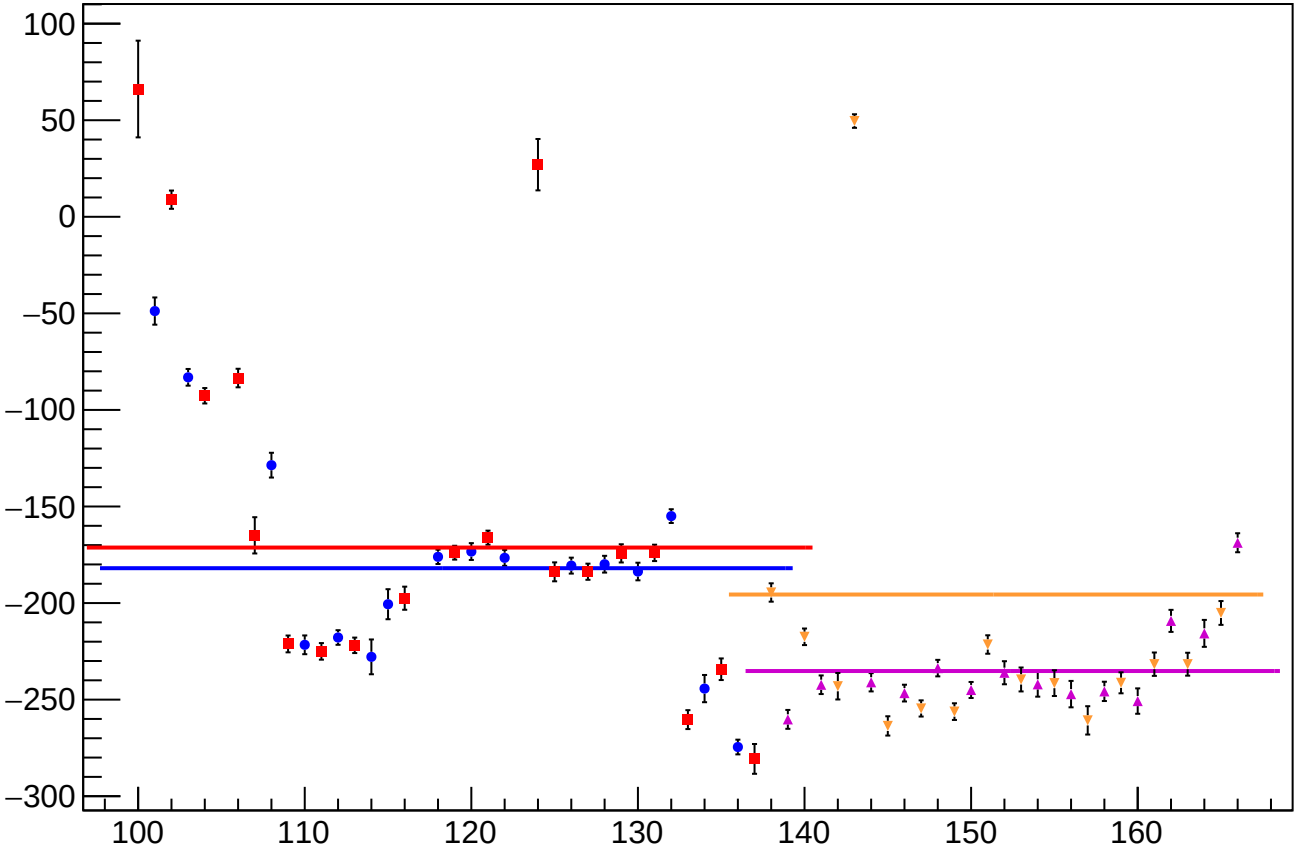
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.455+/-0.702 χ^2/NDF:408.6/29

Out: 1.285+/-0.672 χ^2/NDF:306.8/33

All: 1.366+/-0.485 χ^2/NDF: 715.4/63

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.579+/-1.315 χ^2/NDF:5866.5/14

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -235.189+/-1.380 χ^2/NDF:267.5/13

Left: -214.430+/-0.952 χ^2/NDF: 6565.8/28

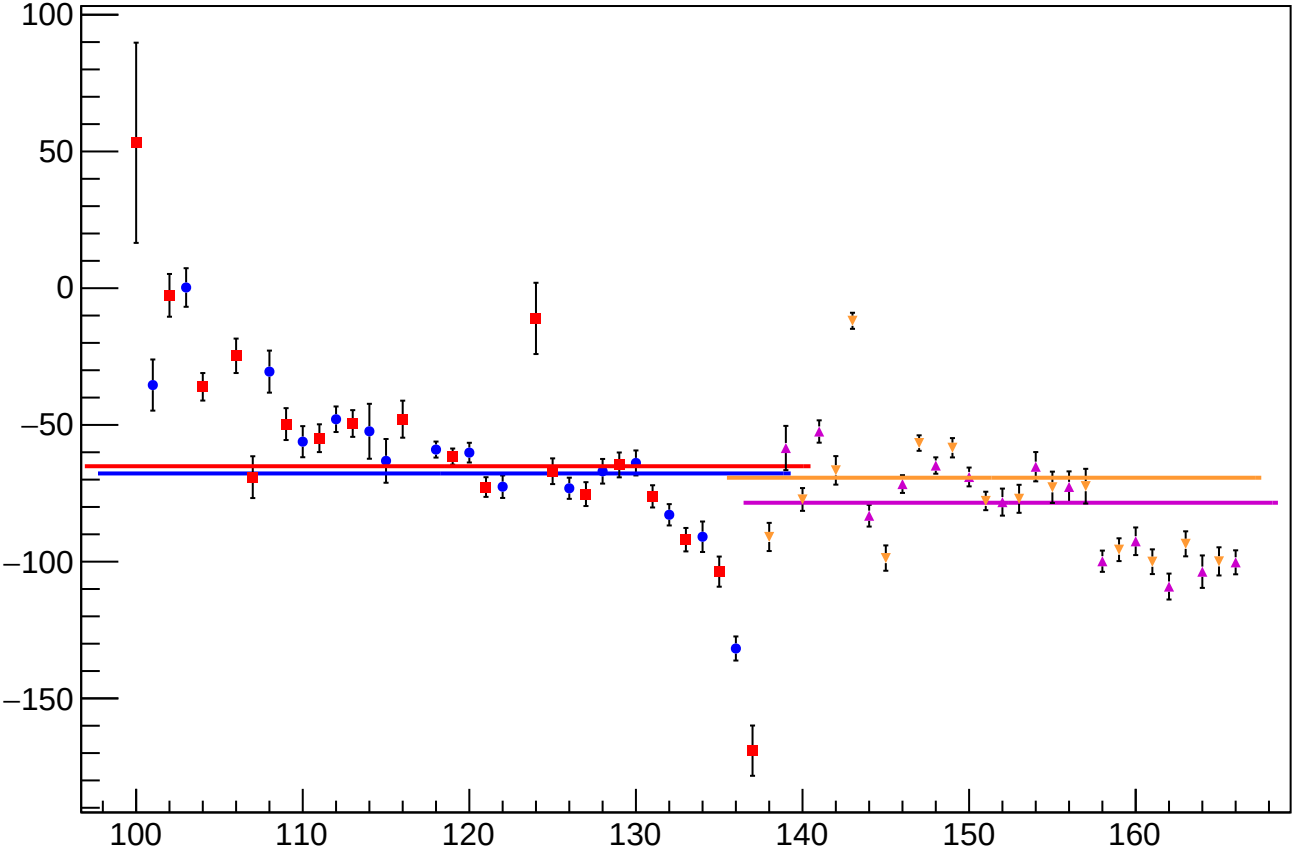
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -203.859+/-0.885 χ^2/NDF:3014.0/29

Out: -181.391+/-0.849 χ^2/NDF:9694.2/33

All: -192.152+/-0.613 χ^2/NDF: 13043.8/63

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -69.310+/-1.071 χ^2/NDF:631.0/14

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -78.460+/-1.142 χ^2/NDF:210.5/13

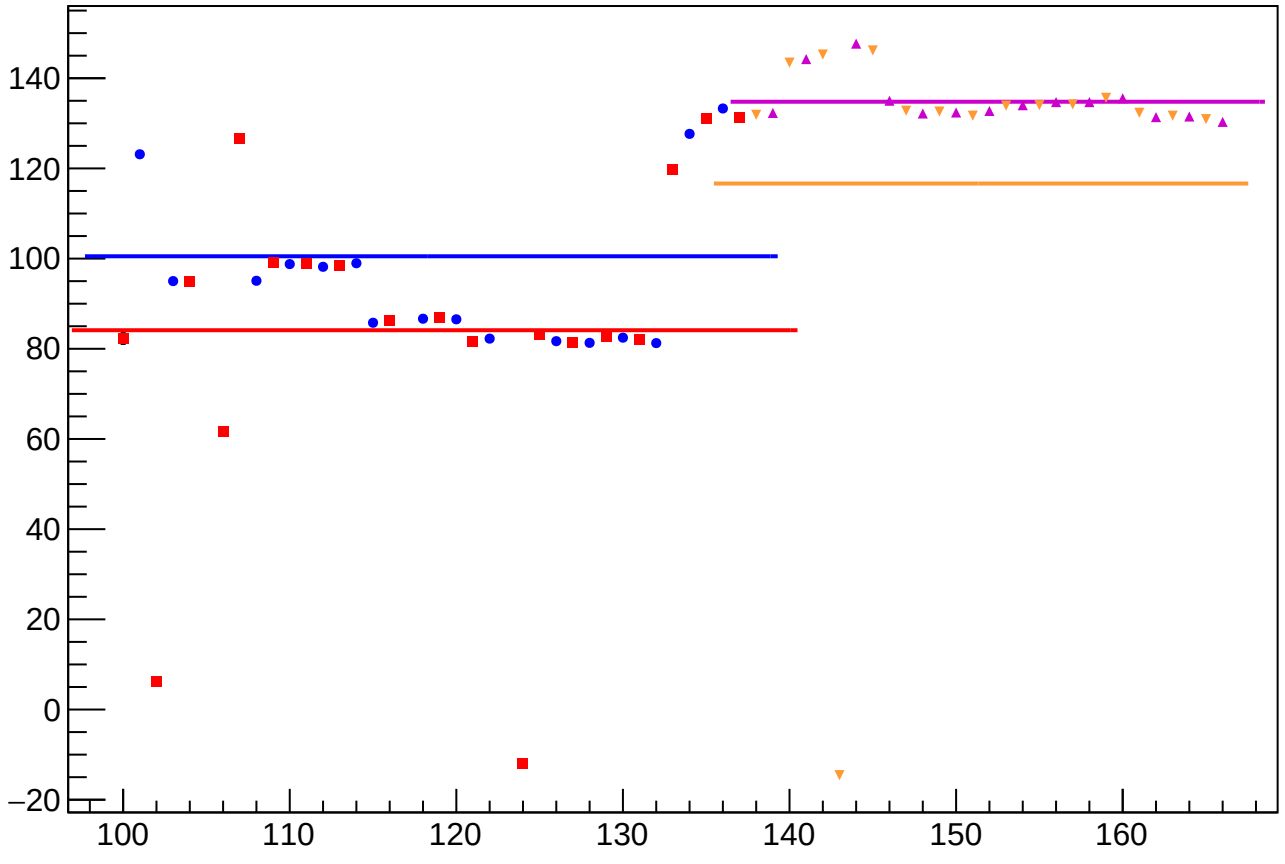
Left: -73.590+/-0.781 χ^2/NDF: 875.6/28

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.283+/-0.821 χ^2/NDF:667.0/29

Out: -67.387+/-0.789 χ^2/NDF:1067.1/33

All: -70.217+/-0.569 χ^2/NDF: 1760.9/63



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.648+/-0.051 χ^2/NDF:930485.3/14

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 134.786+/-0.053 χ^2/NDF:7669.9/13

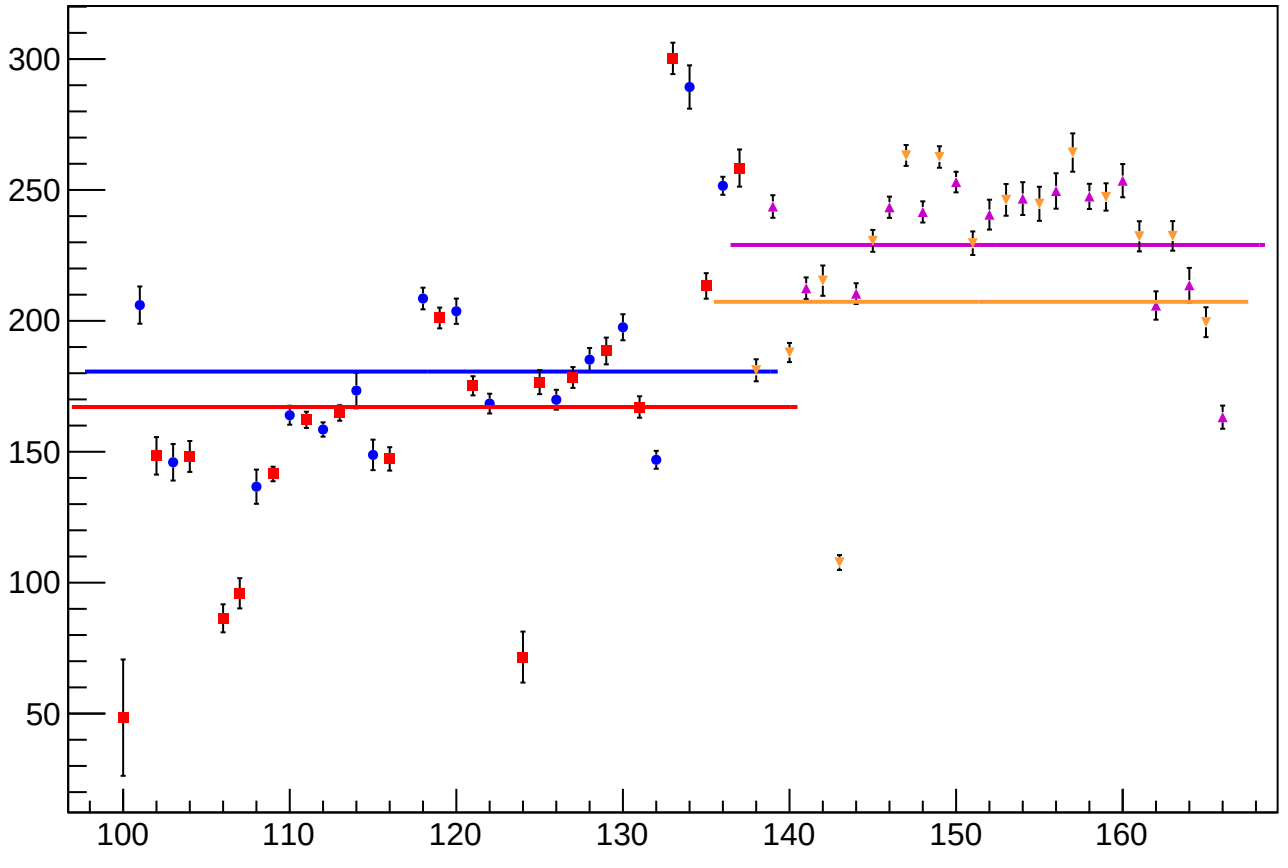
Left: 125.436+/-0.037 χ^2/NDF: 998374.0/28

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 123.140+/-0.043 χ^2/NDF:216848.7/29

Out: 105.069+/-0.041 χ^2/NDF:1336591.0/33

All: 113.713+/-0.030 χ^2/NDF: 1645078.0/63



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

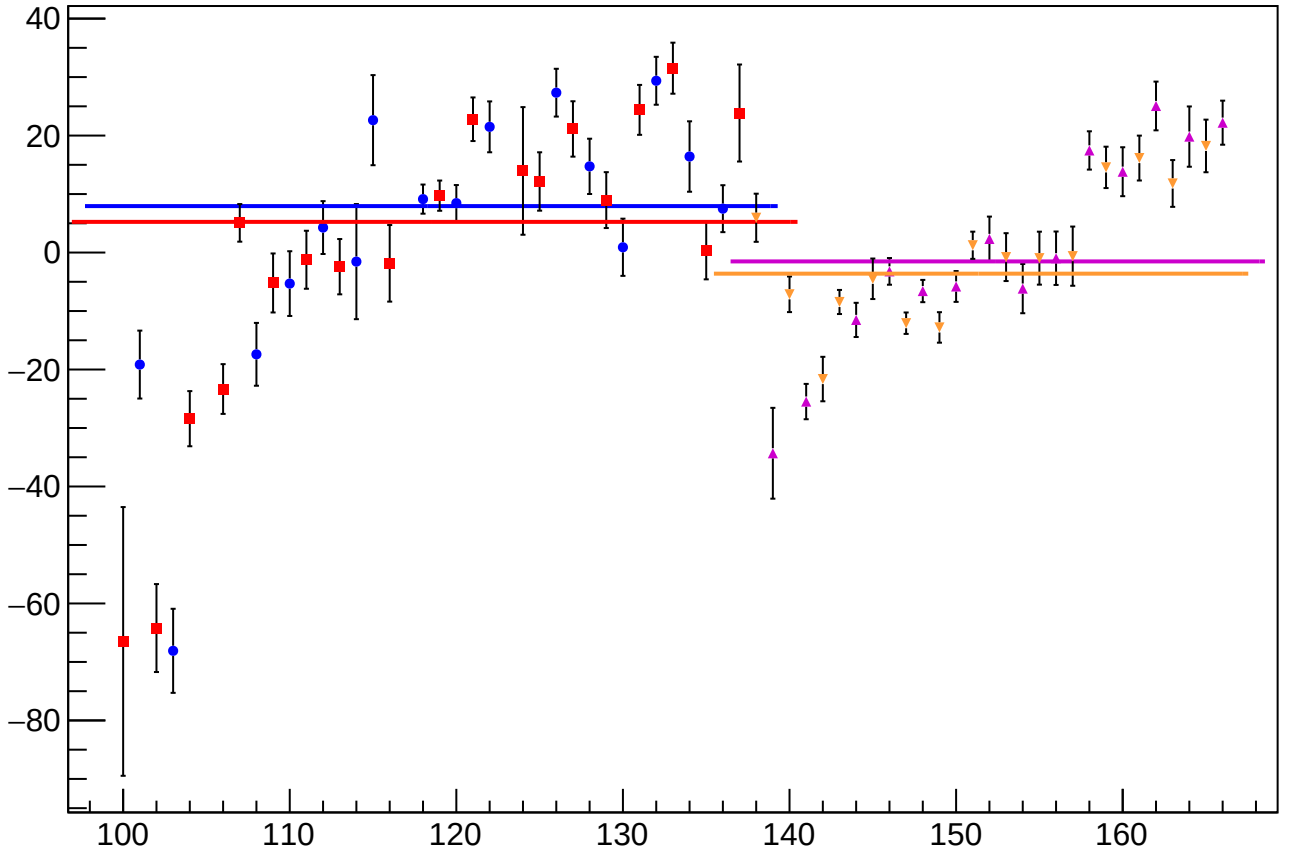
Left: 217.361+/-0.868 χ^2/NDF: 2525.9/28

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.073+/-0.565 χ^2/NDF: 6562.1/63



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

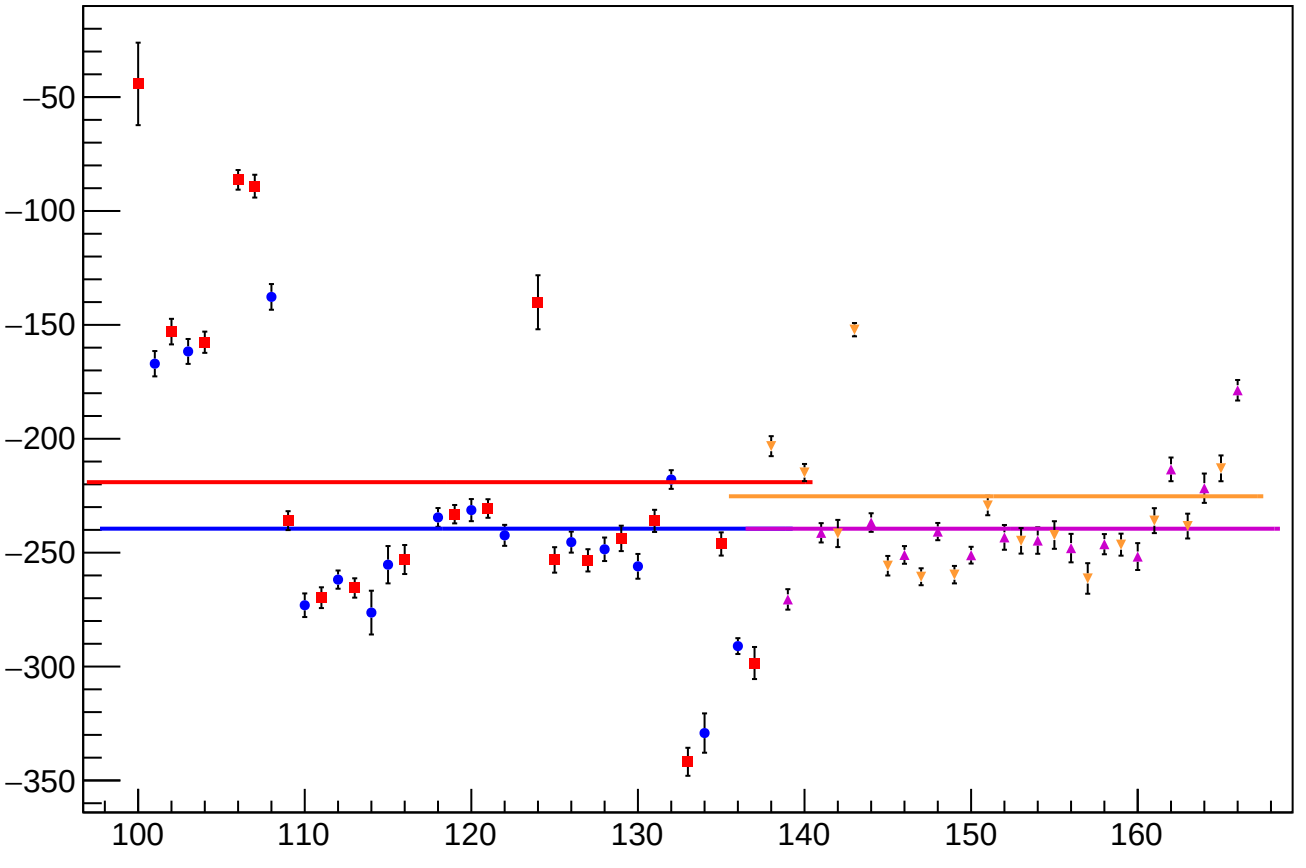
Left: -2.652+/-0.584 χ^2/NDF: 418.2/28

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.706+/-0.465 χ^2/NDF: 1047.7/63



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.250+/-1.163 χ^2/NDF:971.2/14

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.487+/-1.236 χ^2/NDF:291.5/13

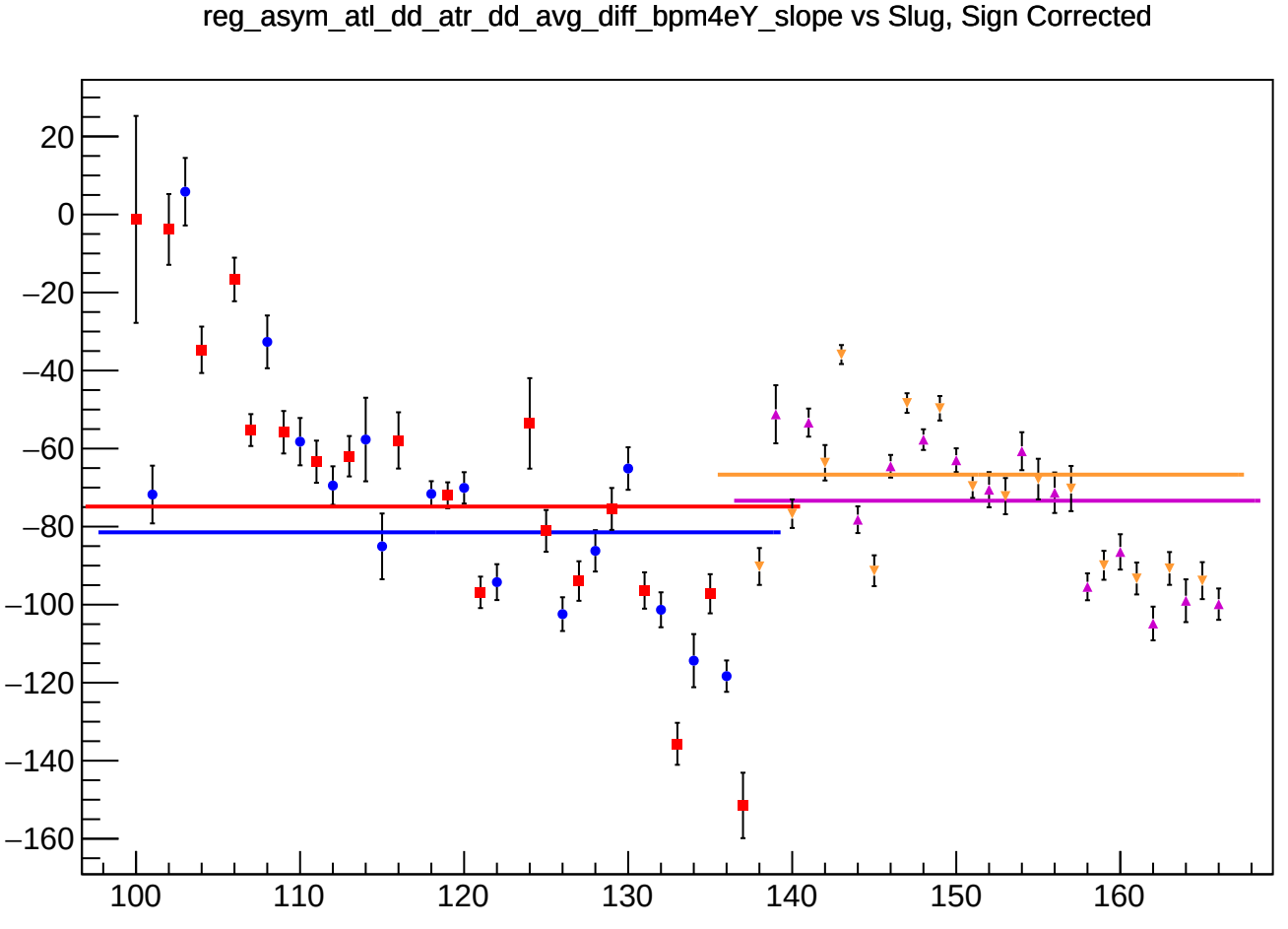
Left: -231.935+/-0.847 χ^2/NDF: 1333.1/28

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

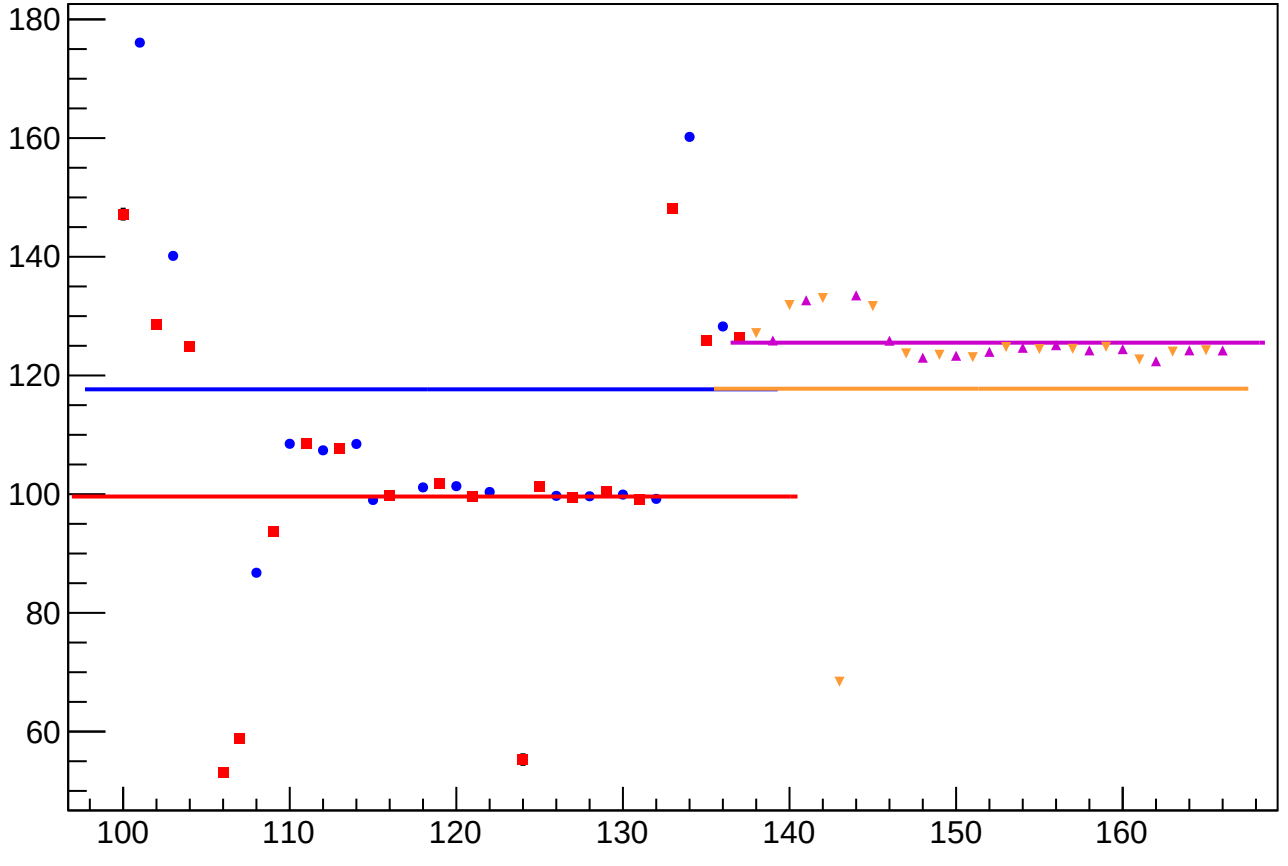
In: -239.478+/-0.877 χ^2/NDF:1453.8/29

Out: -222.186+/-0.827 χ^2/NDF:4034.6/33

All: -230.322+/-0.602 χ^2/NDF: 5694.0/63


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -66.679+/-0.946 χ²/NDF:463.9/14
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -73.365+/-1.021 χ²/NDF:272.9/13
Left: -69.769+/-0.694 χ²/NDF: 759.9/28
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.492+/-0.800 χ²/NDF:663.7/29
Out: -69.720+/-0.750 χ²/NDF:1068.3/33
All: -72.889+/-0.547 χ²/NDF: 1770.1/63

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

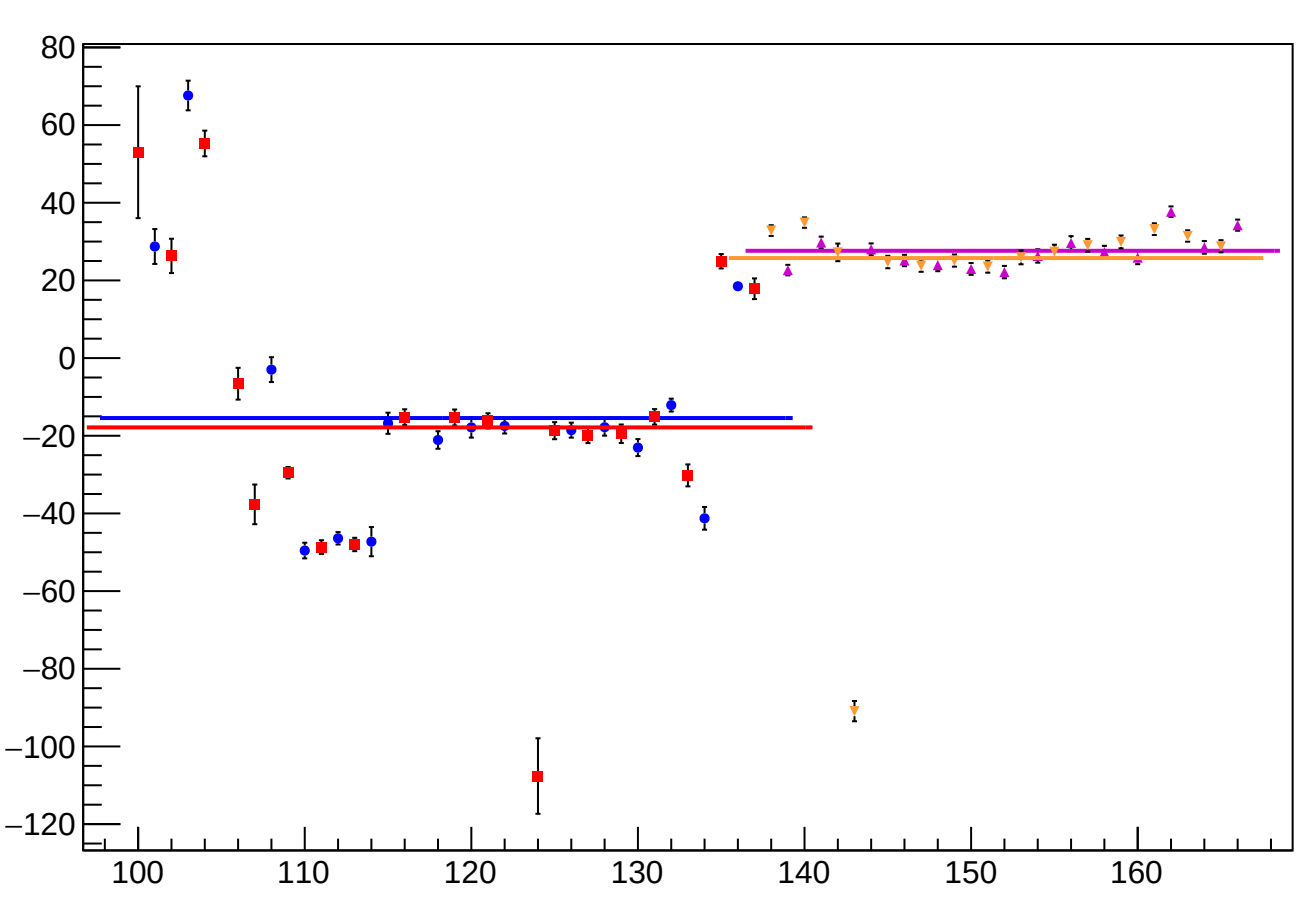
Left: 121.485+/-0.033 χ^2/NDF: 214877.0/28

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.555+/-0.028 χ^2/NDF: 555906.8/63



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.756+/-0.420 χ^2/NDF:2125.2/14

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.629+/-0.413 χ^2/NDF:124.1/13

Left: 26.709+/-0.294 χ^2/NDF: 2259.4/28

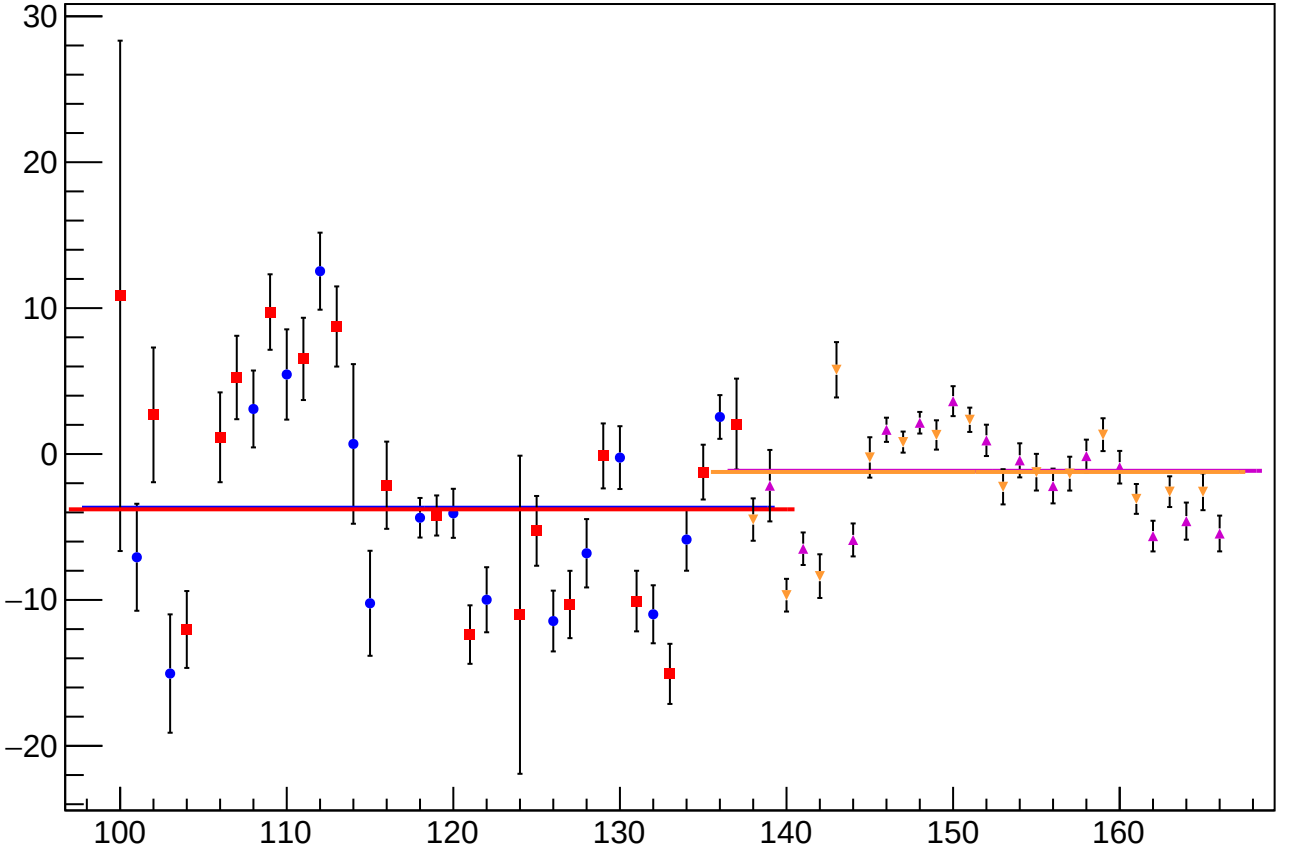
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 11.720+/-0.328 χ^2/NDF:6273.5/29

Out: 8.931+/-0.329 χ^2/NDF:8413.1/33

All: 10.331+/-0.232 χ^2/NDF: 14722.6/63

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.229+/-0.286 χ^2/NDF:143.5/14

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.150+/-0.288 χ^2/NDF:137.2/13

Left: -1.190+/-0.203 χ^2/NDF: 280.7/28

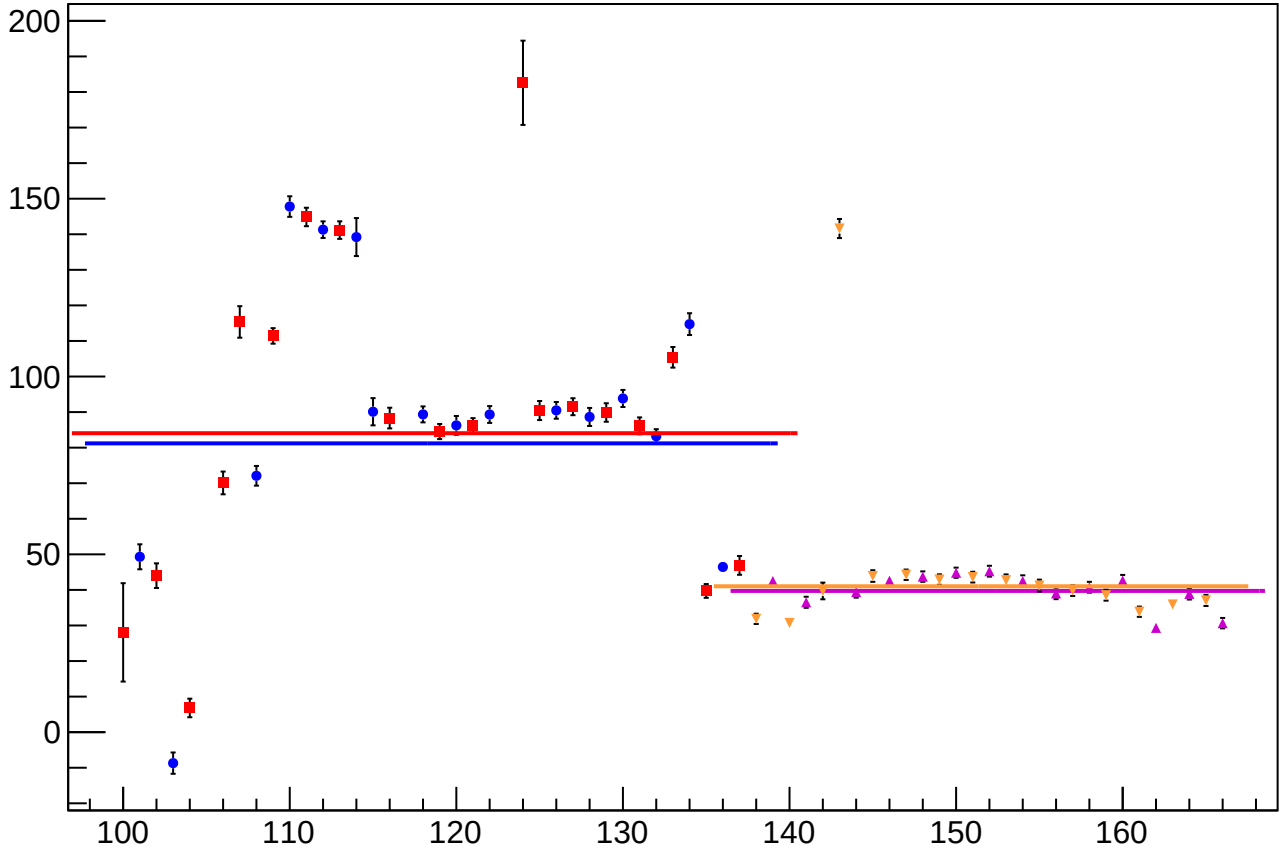
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.691+/-0.255 χ^2/NDF:277.7/29

Out: -1.754+/-0.255 χ^2/NDF:321.1/33

All: -1.722+/-0.180 χ^2/NDF: 598.8/63

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.025+/-0.407 χ^2/NDF:1559.1/14

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.720+/-0.400 χ^2/NDF:154.6/13

Left: 40.360+/-0.285 χ^2/NDF: 1719.0/28

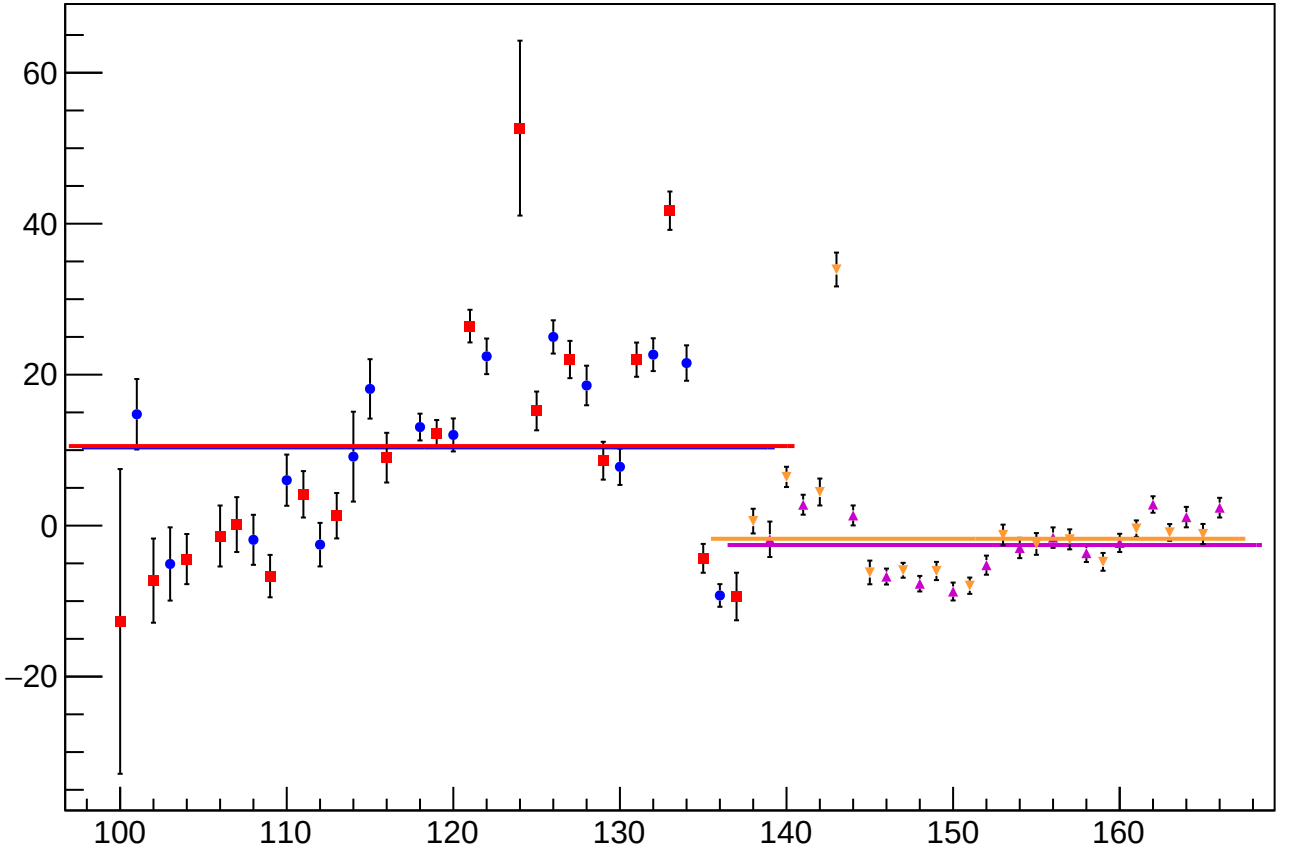
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 52.258+/-0.334 χ^2/NDF:6643.5/29

Out: 54.092+/-0.340 χ^2/NDF:8162.3/33

All: 53.159+/-0.238 χ^2/NDF: 14820.6/63

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.739+/-0.334 χ^2/NDF:385.7/14

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.569+/-0.334 χ^2/NDF:144.6/13

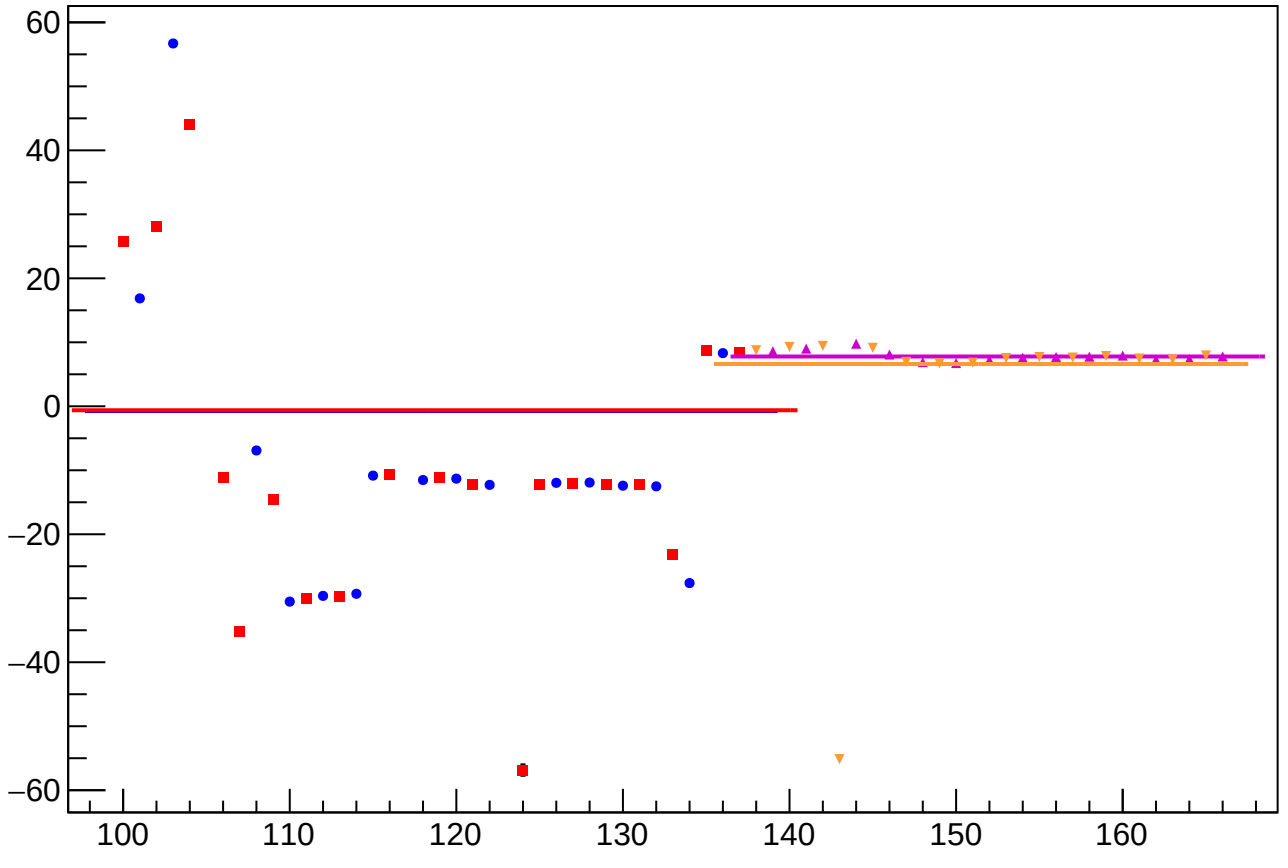
Left: -2.155+/-0.236 χ^2/NDF: 533.4/28

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.291+/-0.295 χ^2/NDF:836.4/29

Out: 0.890+/-0.296 χ^2/NDF:1145.5/33

All: 0.589+/-0.209 χ^2/NDF: 1983.9/63



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.781+/-0.015 χ^2/NDF:2291.7/13

Left: 7.206+/-0.011 χ^2/NDF: 318942.2/28

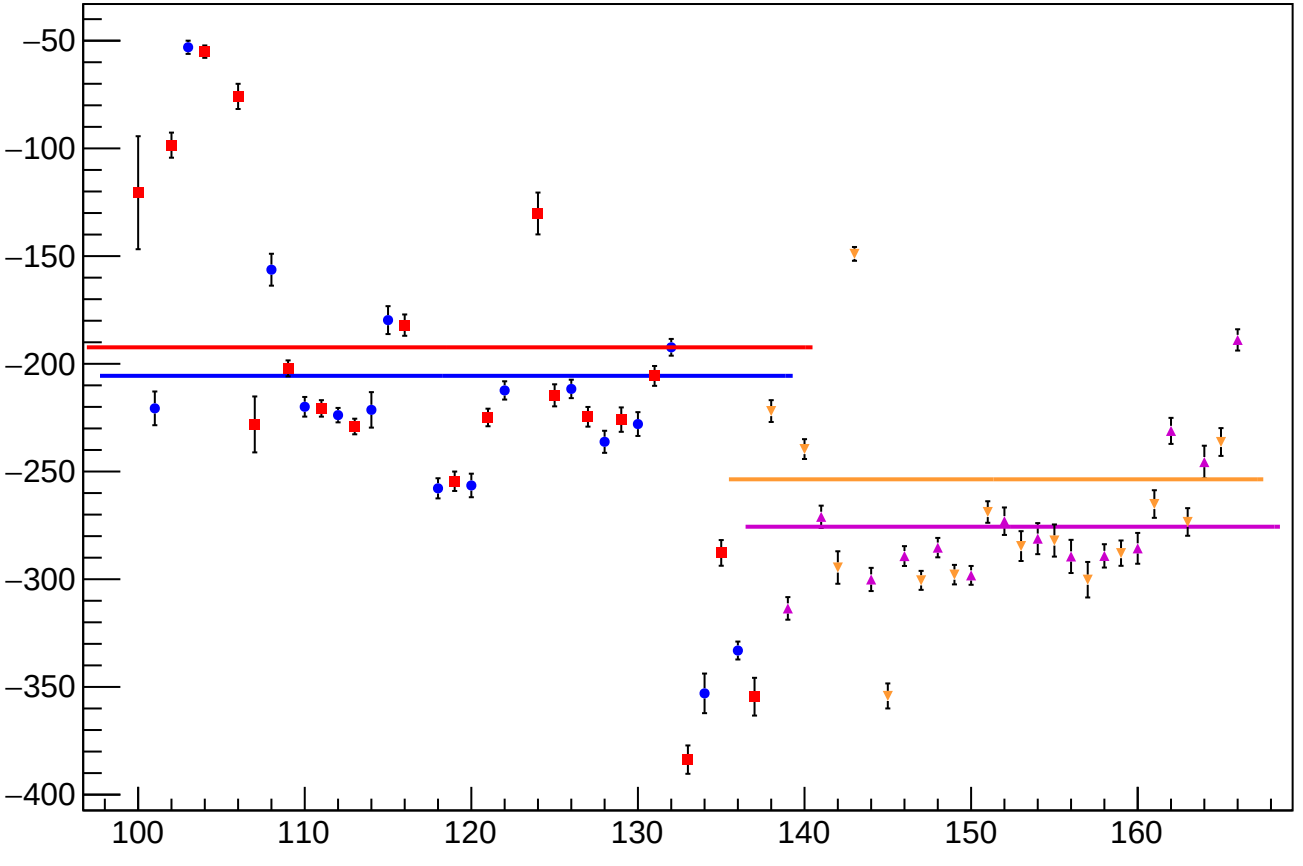
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.507+/-0.014 χ^2/NDF:418318.4/29

Out: 5.563+/-0.014 χ^2/NDF:662197.5/33

All: 6.046+/-0.010 χ^2/NDF: 1082780.4/63

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -253.620+/-1.379 χ^2/NDF:1780.5/14

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -275.624+/-1.479 χ^2/NDF:503.7/13

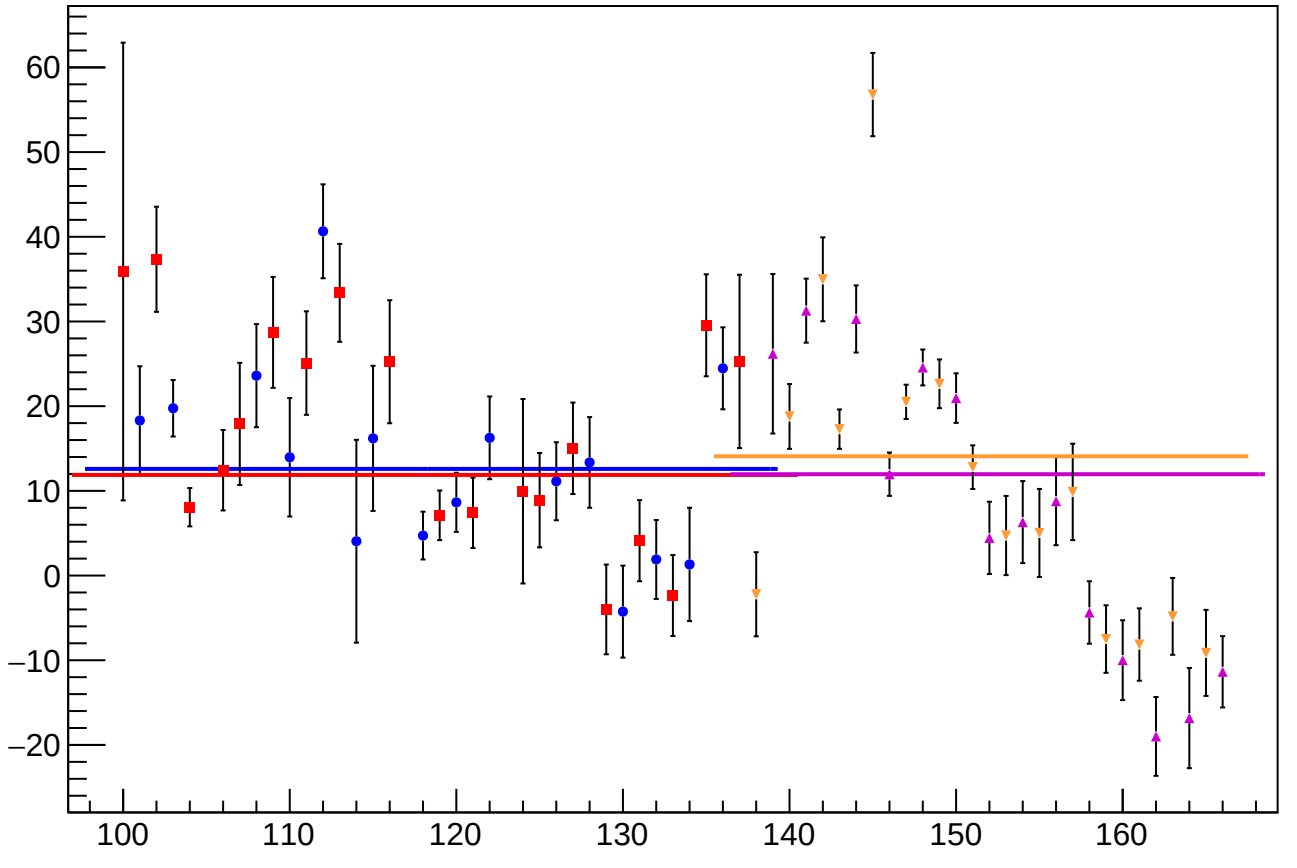
Left: -263.849+/-1.009 χ^2/NDF: 2402.6/28

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -232.947+/-0.925 χ^2/NDF:5925.7/29

Out: -216.769+/-0.871 χ^2/NDF:7938.1/33

All: -224.370+/-0.634 χ^2/NDF: 14026.0/63



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 14.079+/-0.909 χ^2/NDF:228.8/14

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.966+/-0.990 χ^2/NDF:239.3/13

Left: 13.112+/-0.669 χ^2/NDF: 470.6/28

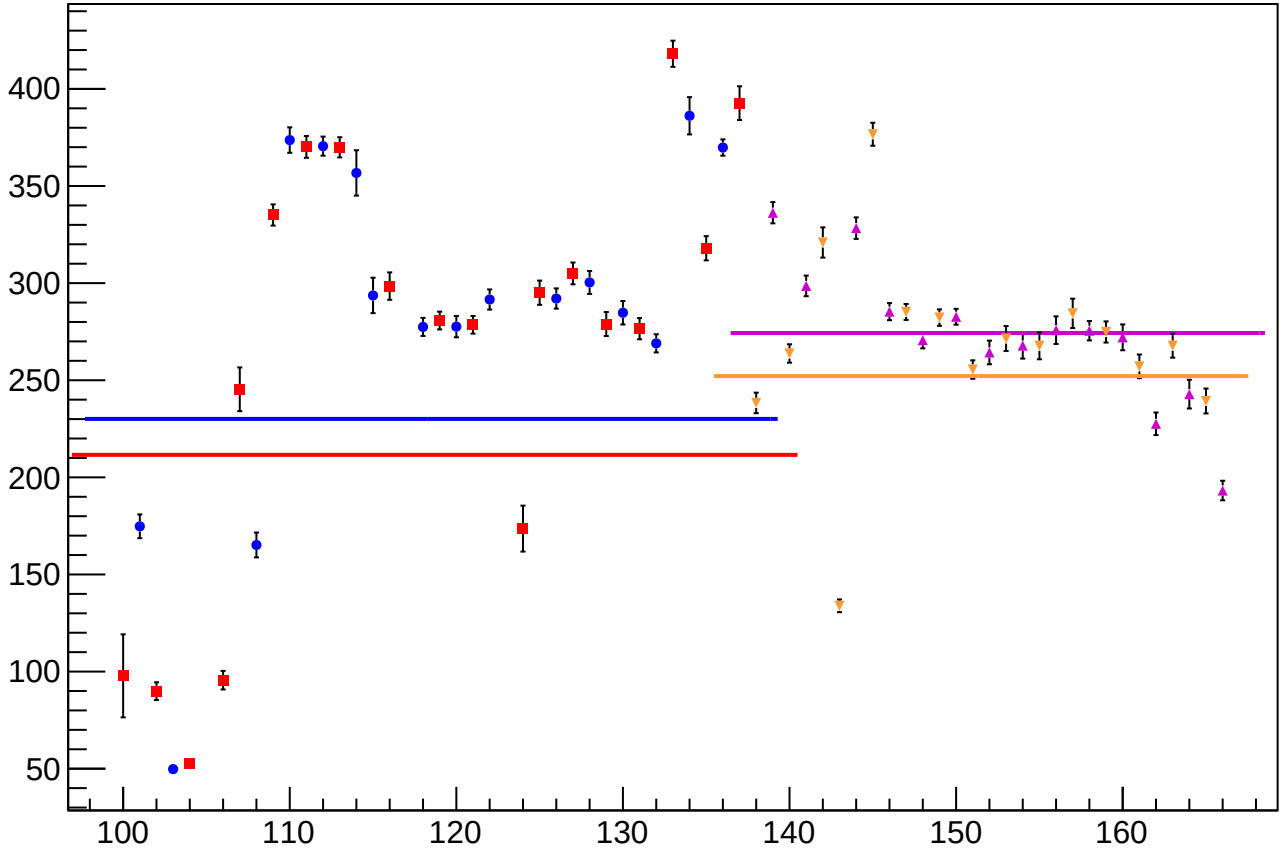
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.219+/-0.764 χ^2/NDF:308.0/29

Out: 13.208+/-0.706 χ^2/NDF:316.1/33

All: 12.752+/-0.519 χ^2/NDF: 625.0/63

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 252.131+/-1.348 χ^2/NDF:1995.5/14

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 274.332+/-1.431 χ^2/NDF:600.8/13

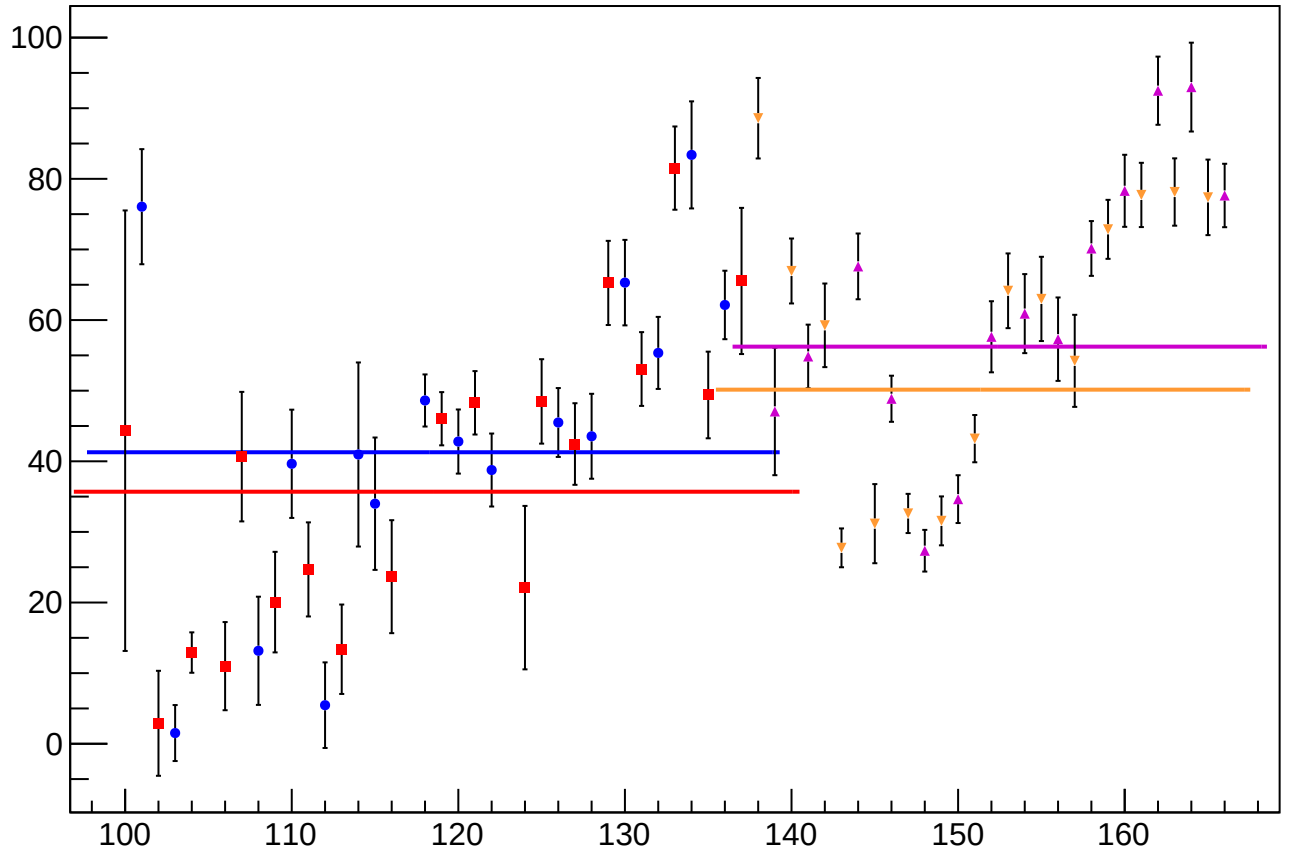
Left: 262.567+/-0.981 χ^2/NDF: 2723.9/28

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.411+/-0.945 χ^2/NDF:10515.0/29

Out: 229.441+/-0.894 χ^2/NDF:13974.3/33

All: 238.870+/-0.650 χ^2/NDF: 24724.8/63



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 50.146+/-1.088 χ^2/NDF:350.7/14

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.237+/-1.173 χ^2/NDF:294.4/13

Left: 52.961+/-0.798 χ^2/NDF: 659.5/28

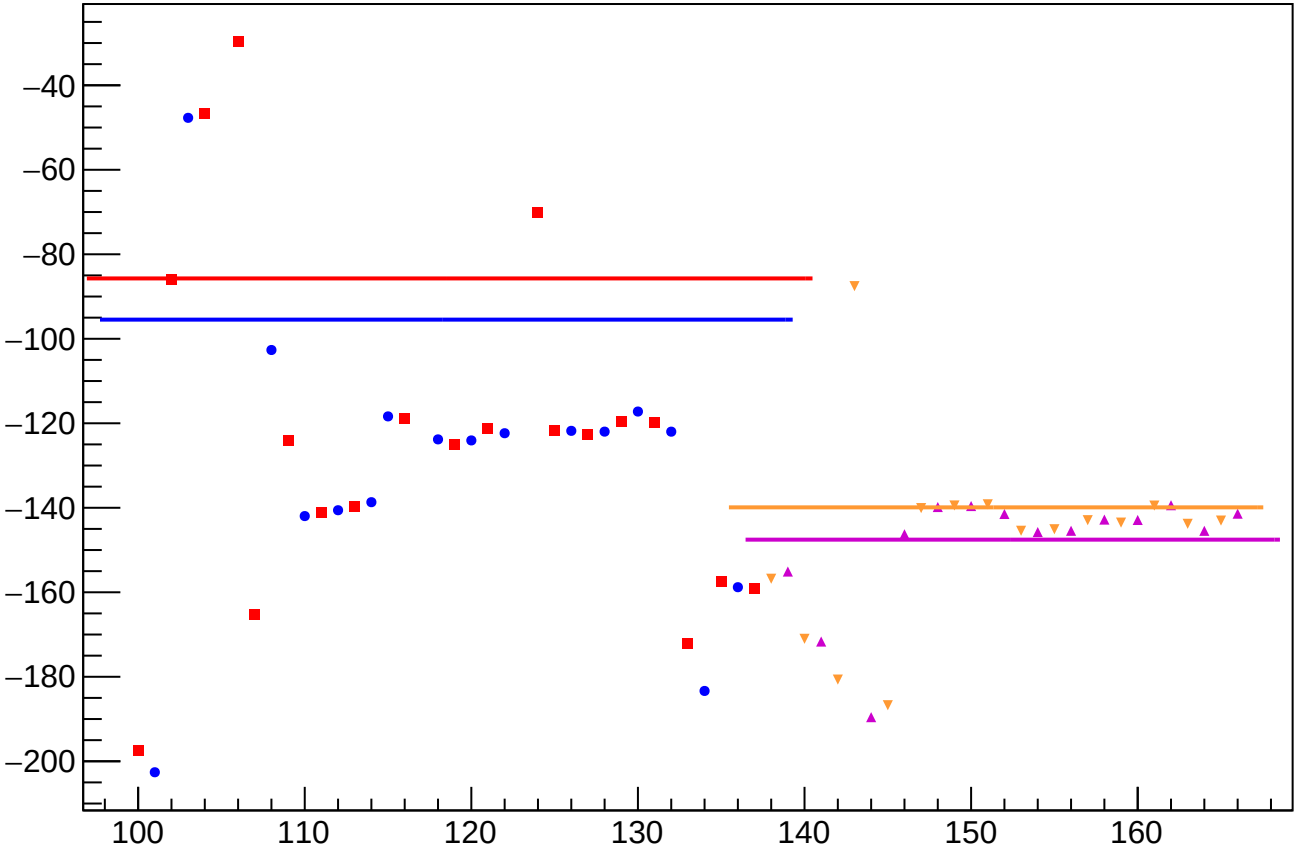
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.053+/-0.899 χ^2/NDF:607.3/29

Out: 44.284+/-0.839 χ^2/NDF:675.4/33

All: 46.969+/-0.613 χ^2/NDF: 1304.8/63

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.900+/-0.053 χ^2/NDF:231488.6/14

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -147.544+/-0.055 χ^2/NDF:51144.9/13

Left: -143.570+/-0.038 χ^2/NDF: 292689.1/28

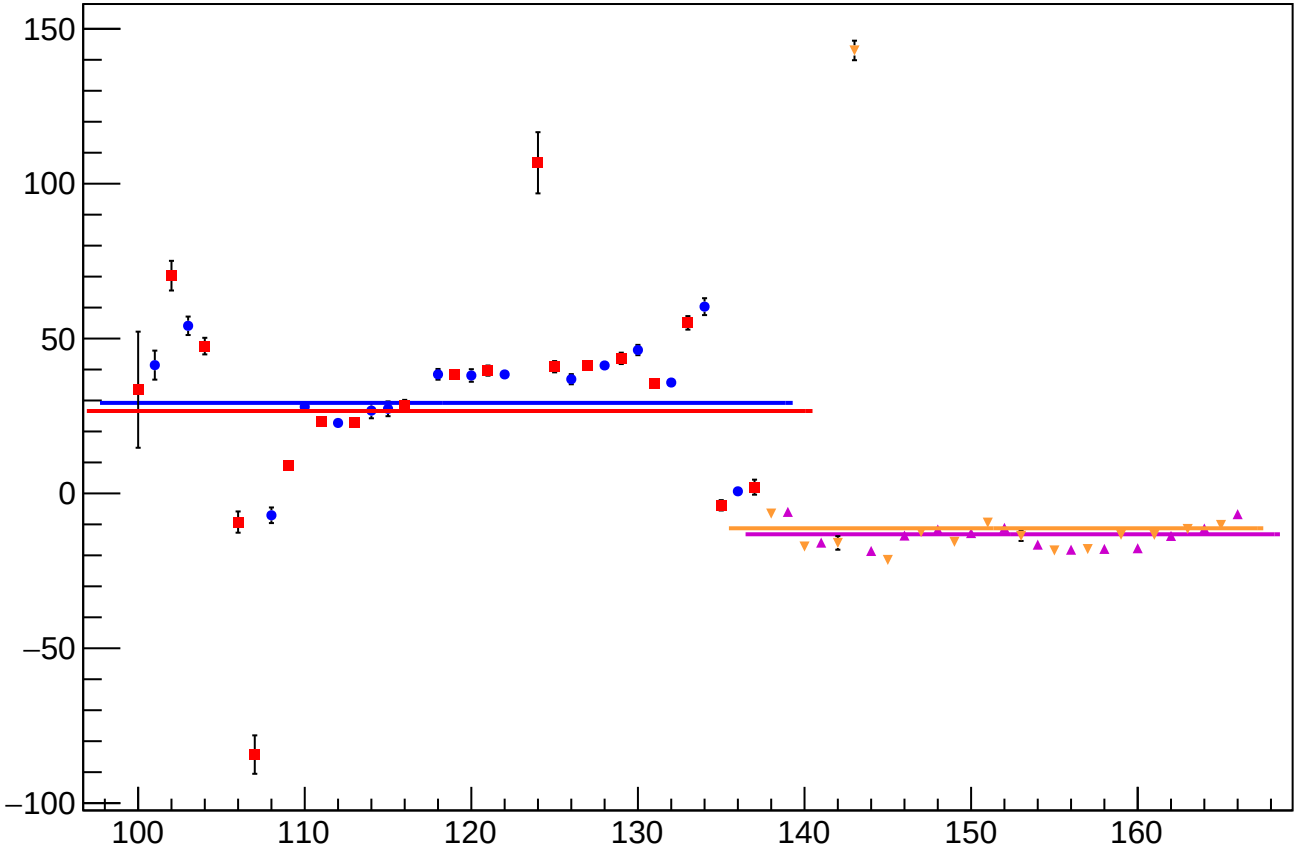
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -127.488+/-0.043 χ^2/NDF:916793.1/29

Out: -119.111+/-0.041 χ^2/NDF:1117784.5/33

All: -123.138+/-0.030 χ^2/NDF: 2054194.3/63

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.257+/-0.394 χ^2/NDF:2530.3/14

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.194+/-0.385 χ^2/NDF:111.0/13

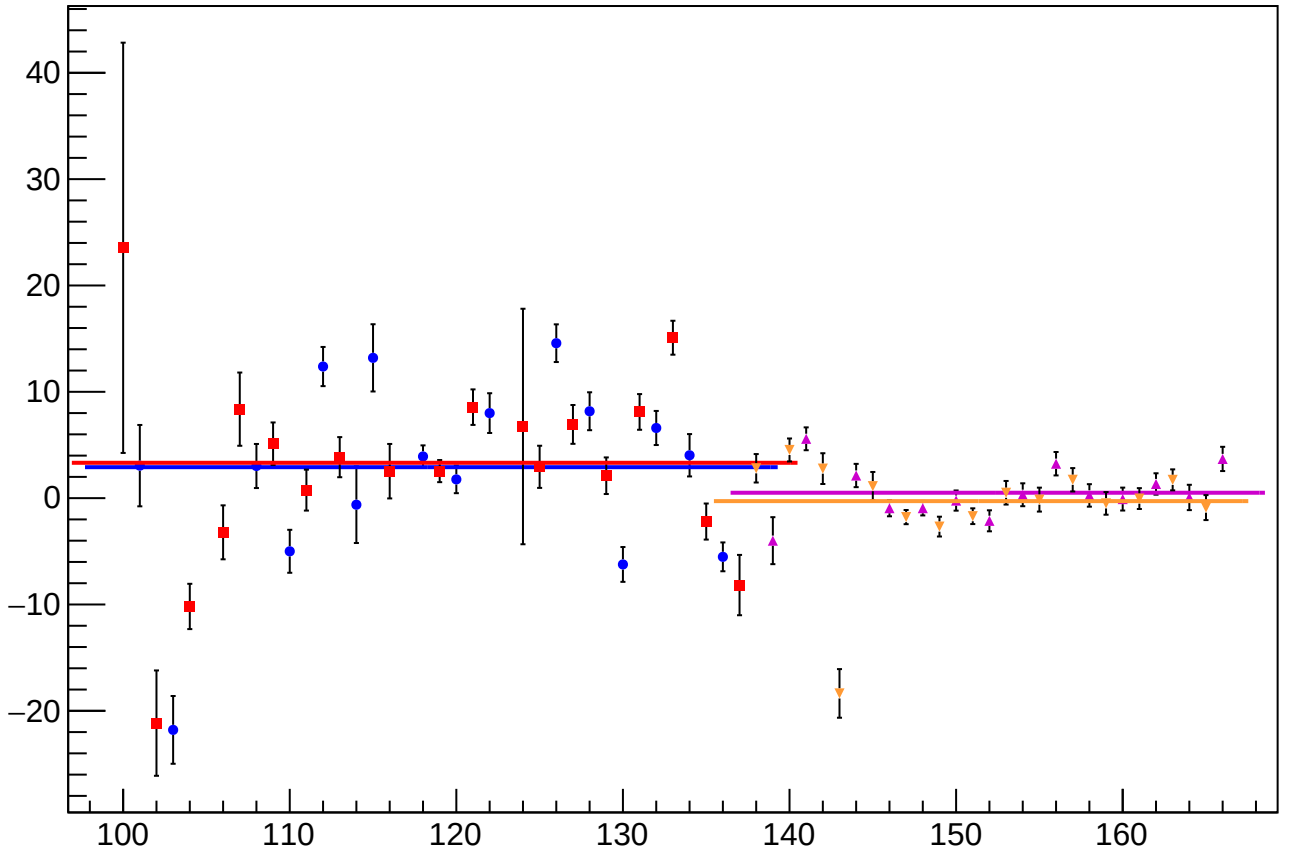
Left: -12.246+/-0.275 χ^2/NDF: 2653.6/28

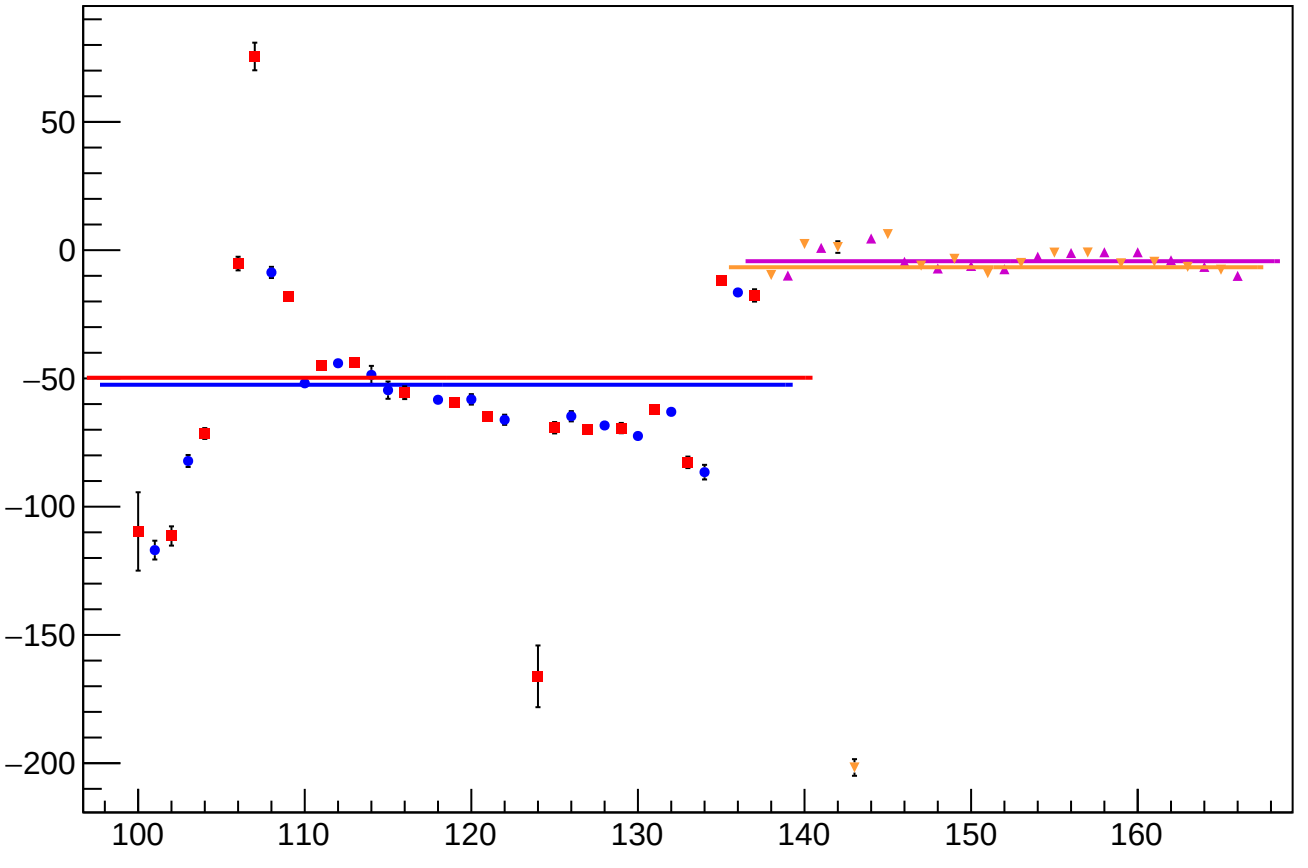
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.989+/-0.285 χ^2/NDF:6930.8/29

Out: 6.718+/-0.285 χ^2/NDF:8843.4/33

All: 6.354+/-0.202 χ^2/NDF: 15777.5/63


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.280+/-0.267 χ²/NDF:117.0/14
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.509+/-0.269 χ²/NDF:59.6/13
Left: 0.112+/-0.190 χ²/NDF: 180.9/28
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.158+/-0.230 χ²/NDF:331.1/29
Out: 0.651+/-0.230 χ²/NDF:345.6/33
All: 0.905+/-0.163 χ²/NDF: 679.2/63



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.302+/-0.373 χ^2/NDF:113.7/13

Left: -5.453+/-0.267 χ^2/NDF: 3921.3/28

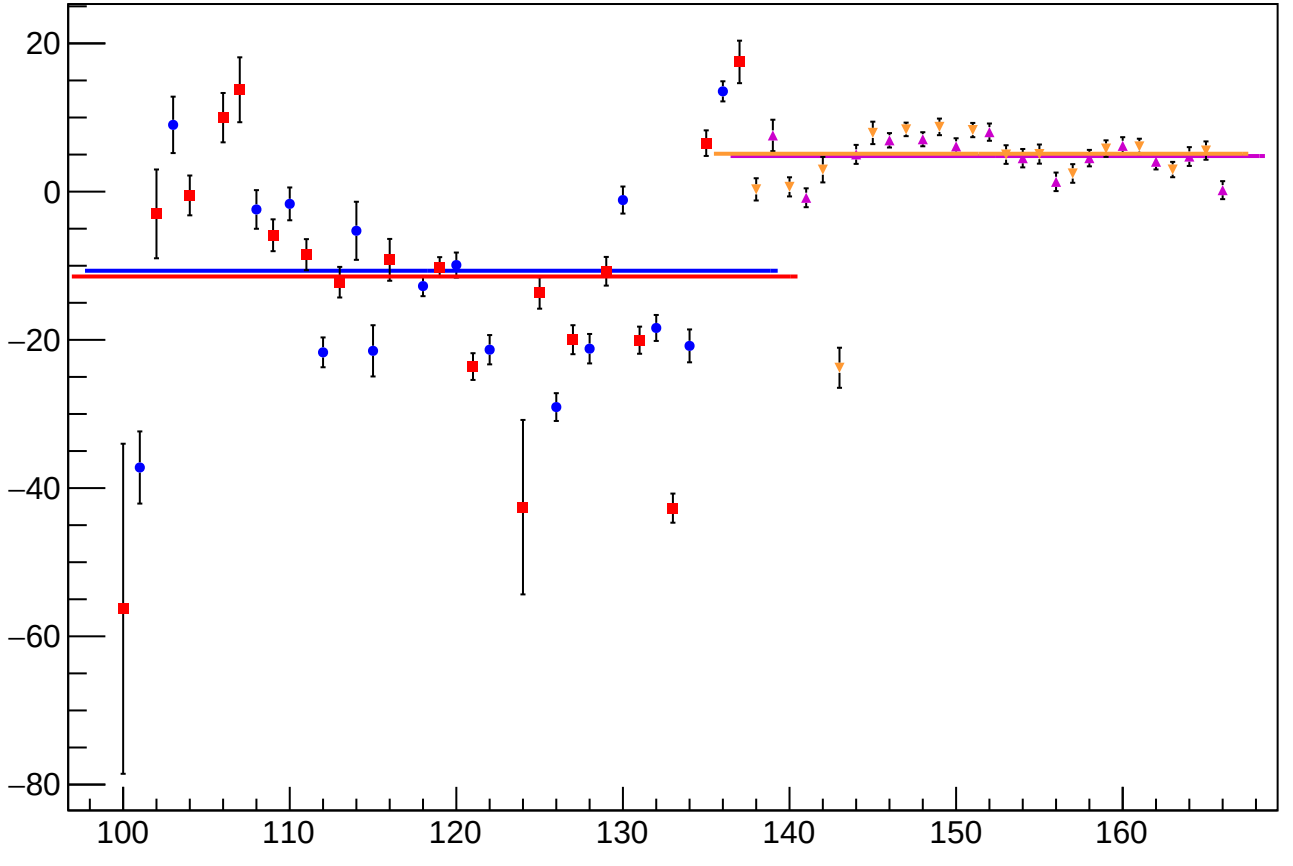
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.088+/-0.296 χ^2/NDF:8593.5/29

Out: -22.726+/-0.302 χ^2/NDF:11564.9/33

All: -22.401+/-0.211 χ^2/NDF: 20160.7/63

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.112+/-0.313 χ^2/NDF:185.8/14

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.802+/-0.312 χ^2/NDF:65.0/13

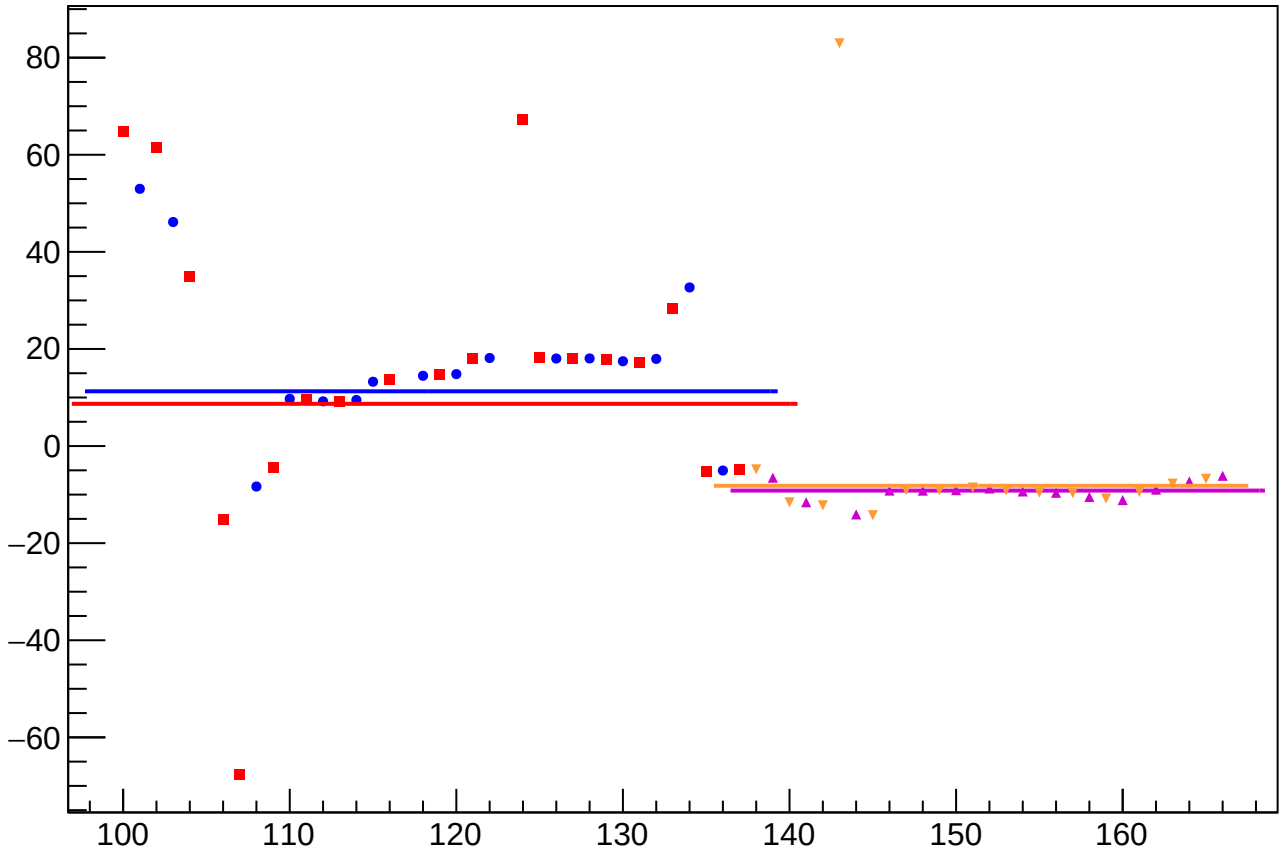
Left: 4.957+/-0.221 χ^2/NDF: 251.3/28

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.522+/-0.266 χ^2/NDF:1409.8/29

Out: 0.660+/-0.268 χ^2/NDF:1604.7/33

All: 0.591+/-0.189 χ^2/NDF: 3014.6/63



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.179+/-0.014 χ^2/NDF:481001.0/14

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.171+/-0.014 χ^2/NDF:16594.2/13

Left: -8.686+/-0.010 χ^2/NDF: 500038.2/28

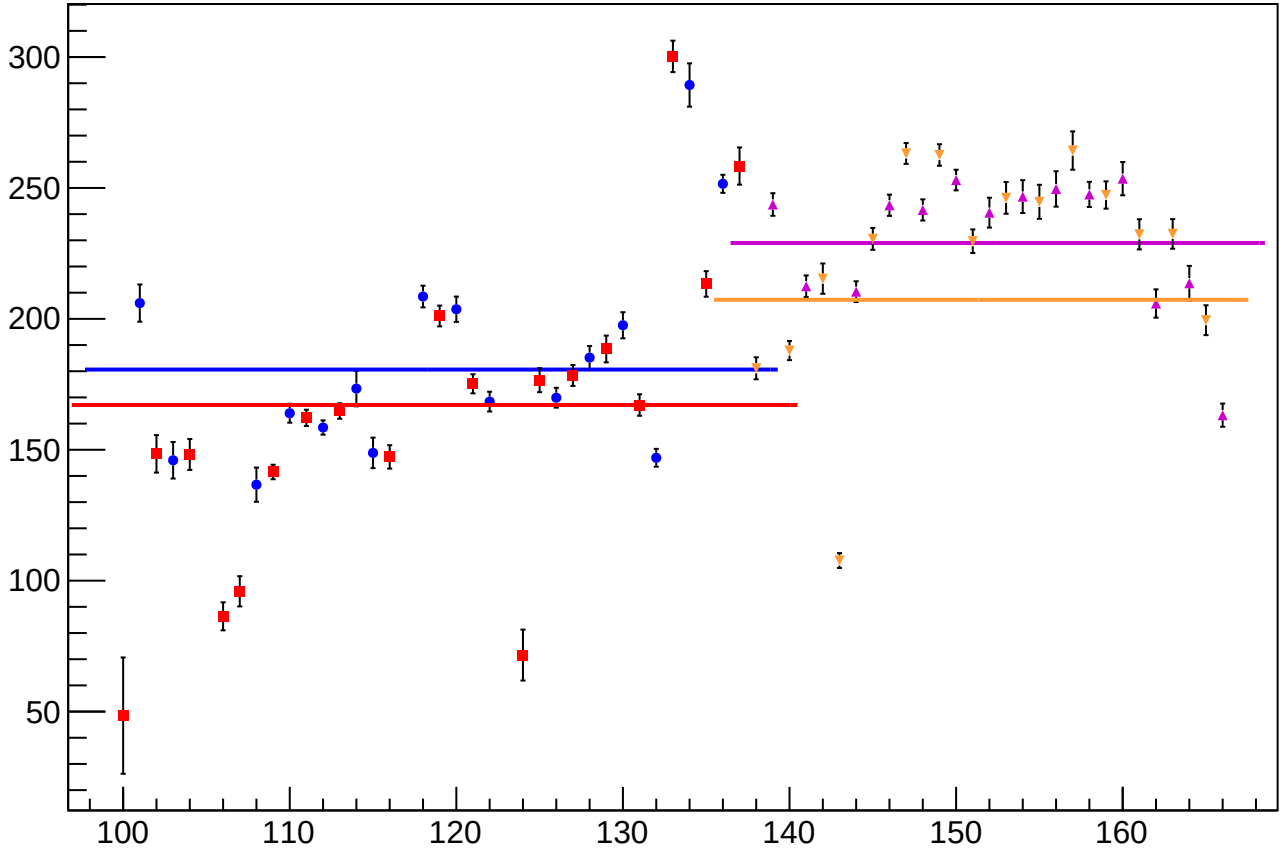
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.484+/-0.013 χ^2/NDF:748724.5/29

Out: -5.270+/-0.013 χ^2/NDF:1155927.0/33

All: -5.380+/-0.009 χ^2/NDF: 1904789.8/63

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

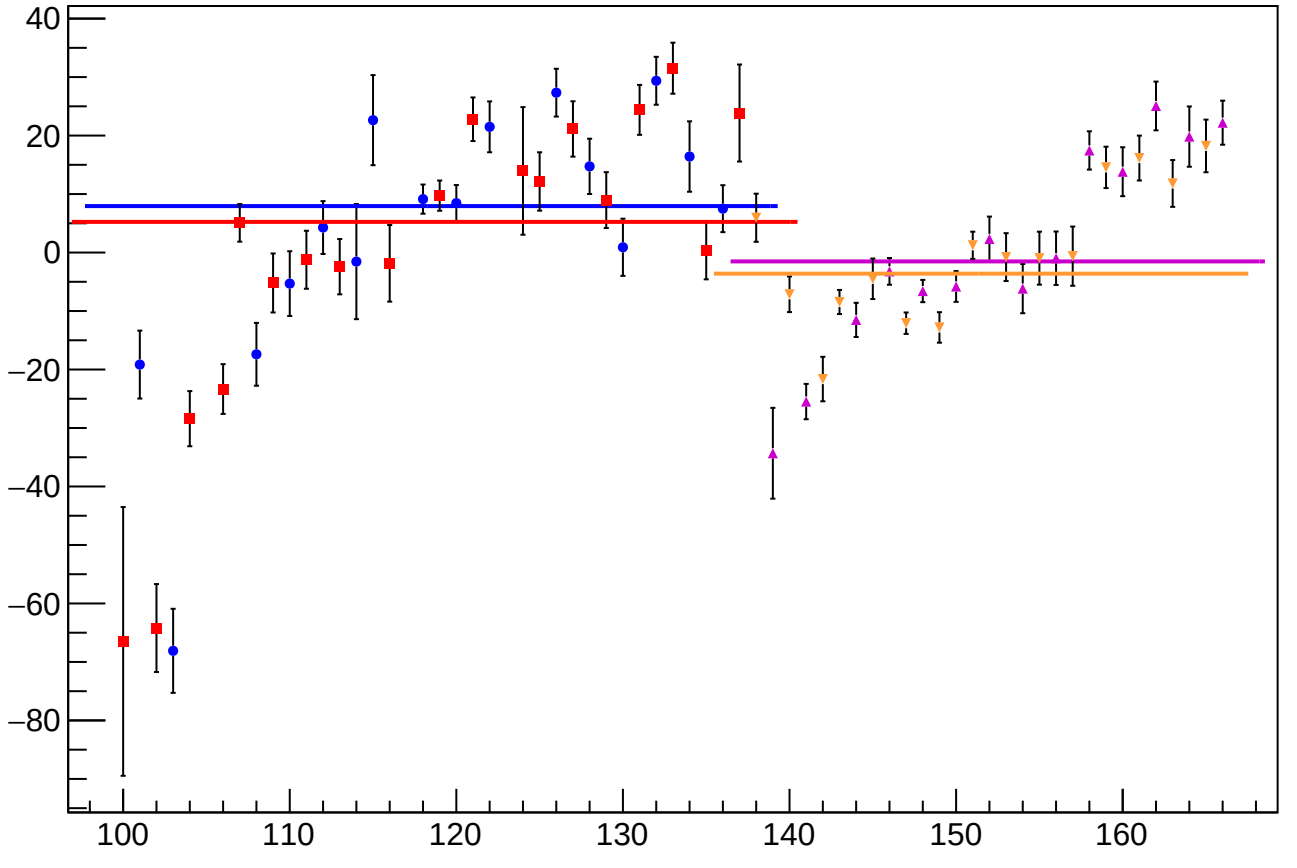
Left: 217.361+/-0.868 χ^2/NDF: 2525.9/28

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.073+/-0.565 χ^2/NDF: 6562.1/63



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

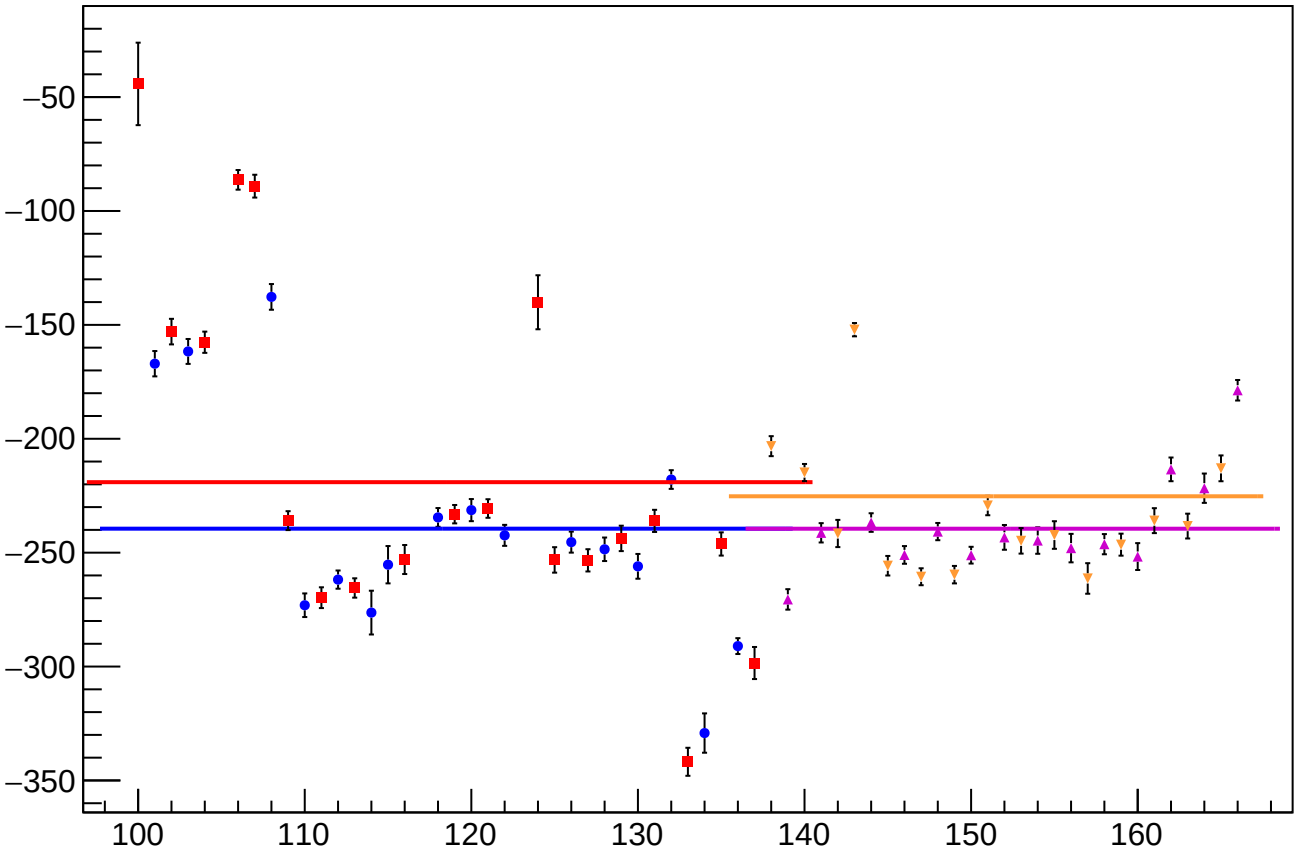
Left: -2.652+/-0.584 χ^2/NDF: 418.2/28

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

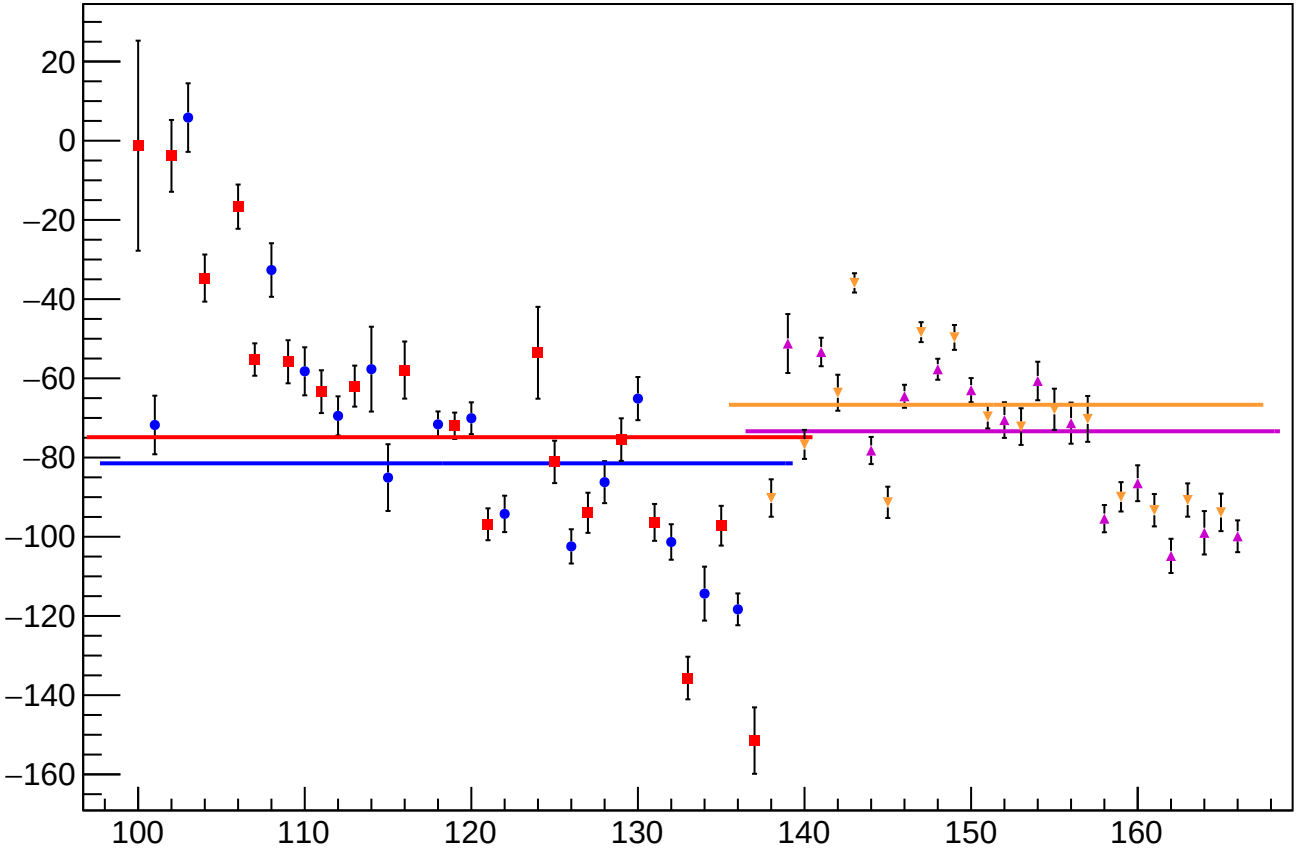
In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.706+/-0.465 χ^2/NDF: 1047.7/63


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.250+/-1.163 χ²/NDF:971.2/14
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -239.487+/-1.236 χ²/NDF:291.5/13
Left: -231.935+/-0.847 χ²/NDF: 1333.1/28
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -239.478+/-0.877 χ²/NDF:1453.8/29
Out: -222.186+/-0.827 χ²/NDF:4034.6/33
All: -230.322+/-0.602 χ²/NDF: 5694.0/63

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.365+/-1.021 χ^2/NDF:272.9/13

Left: -69.769+/-0.694 χ^2/NDF: 759.9/28

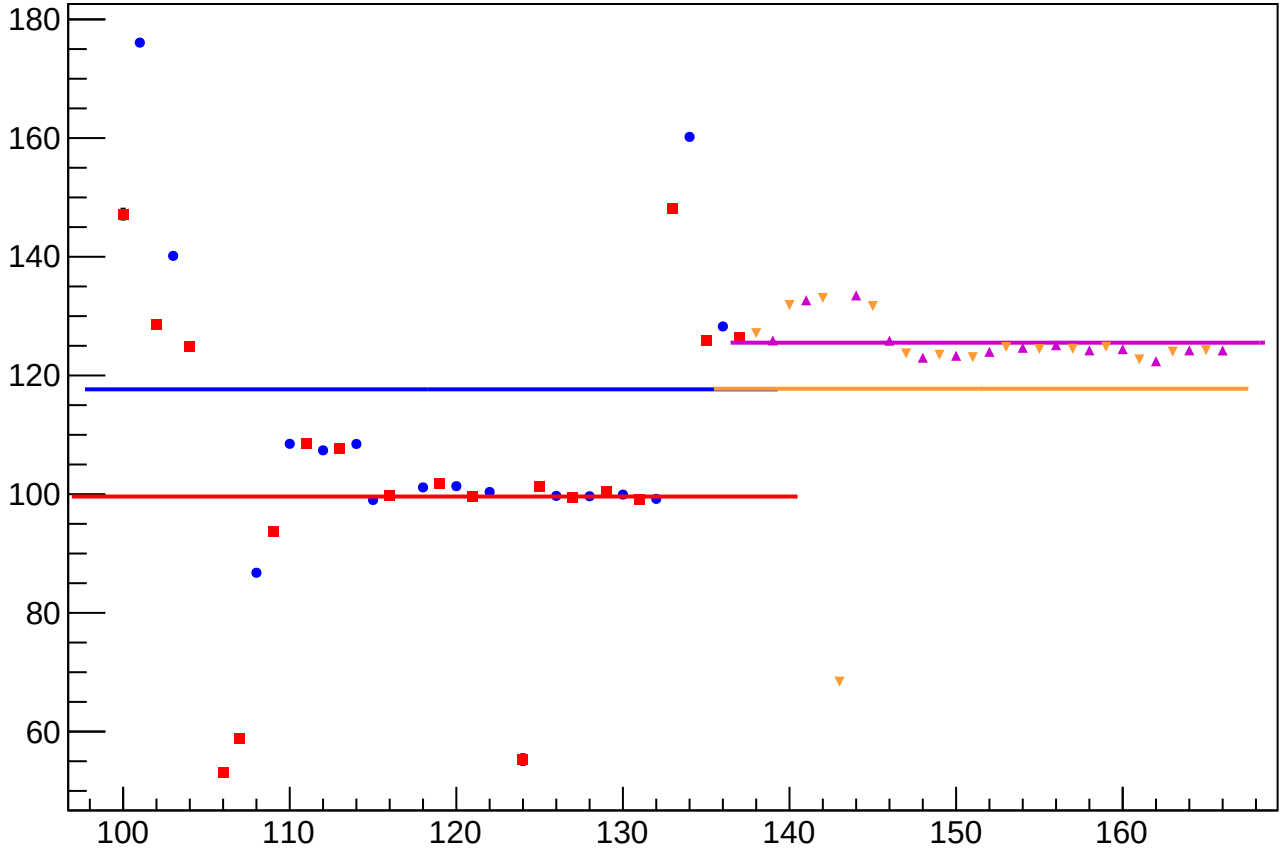
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.492+/-0.800 χ^2/NDF:663.7/29

Out: -69.720+/-0.750 χ^2/NDF:1068.3/33

All: -72.889+/-0.547 χ^2/NDF: 1770.1/63

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

Left: 121.485+/-0.033 χ^2/NDF: 214877.0/28

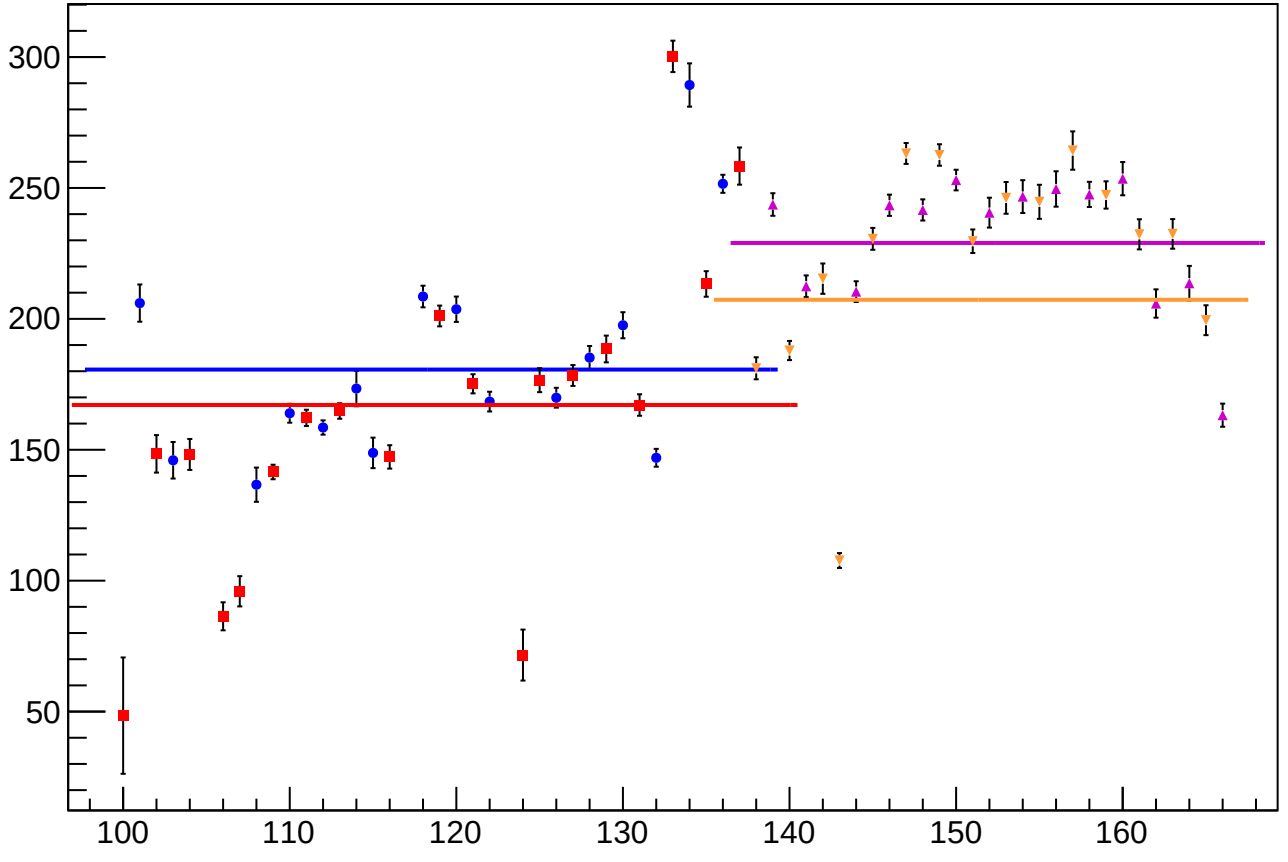
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.555+/-0.028 χ^2/NDF: 555906.8/63

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.286+/-1.185 χ^2/NDF:1964.7/14

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.990+/-1.273 χ^2/NDF:405.5/13

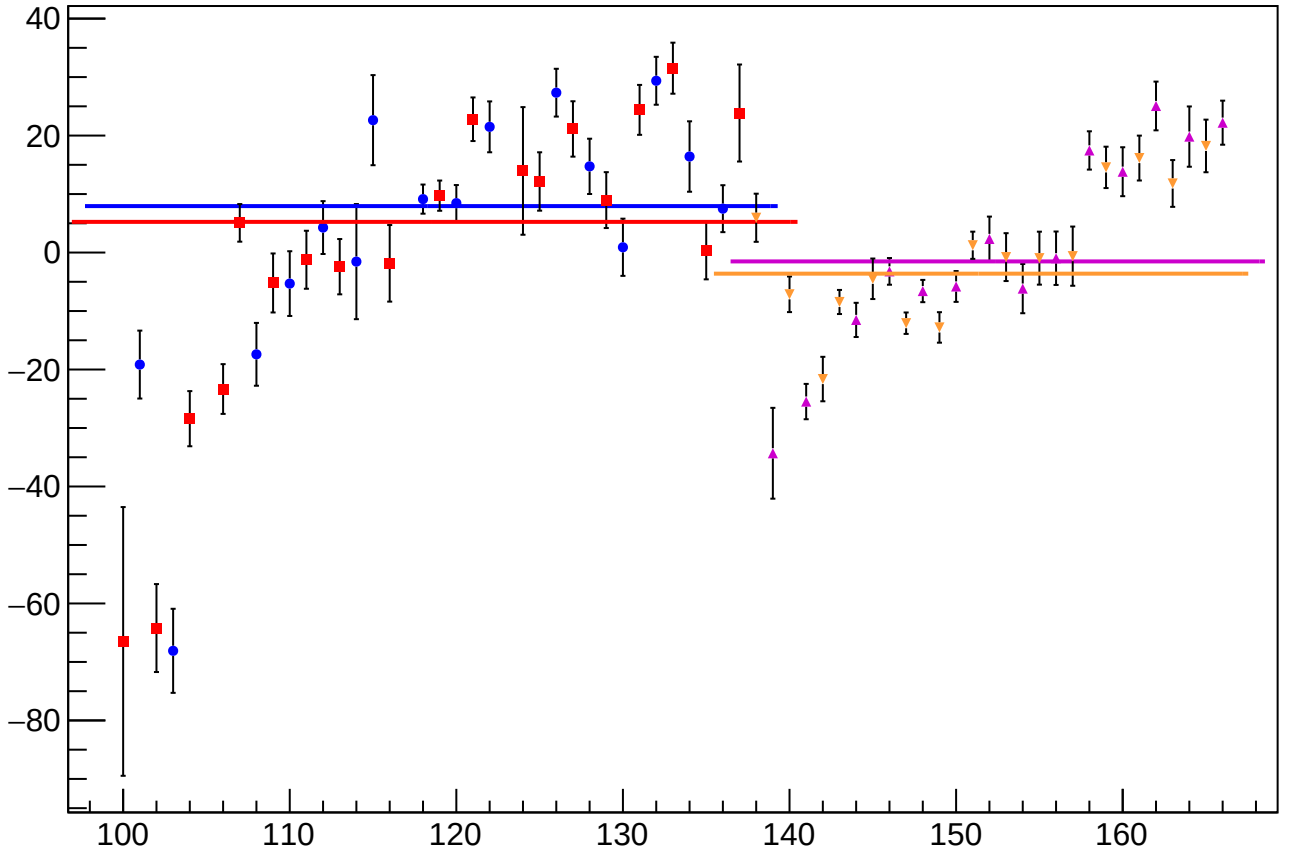
Left: 217.361+/-0.868 χ^2/NDF: 2525.9/28

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.075+/-0.828 χ^2/NDF:2231.4/29

Out: 184.215+/-0.773 χ^2/NDF:4109.2/33

All: 192.073+/-0.565 χ^2/NDF: 6562.1/63



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.517+/-0.863 χ^2/NDF:249.5/13

Left: -2.652+/-0.584 χ^2/NDF: 418.2/28

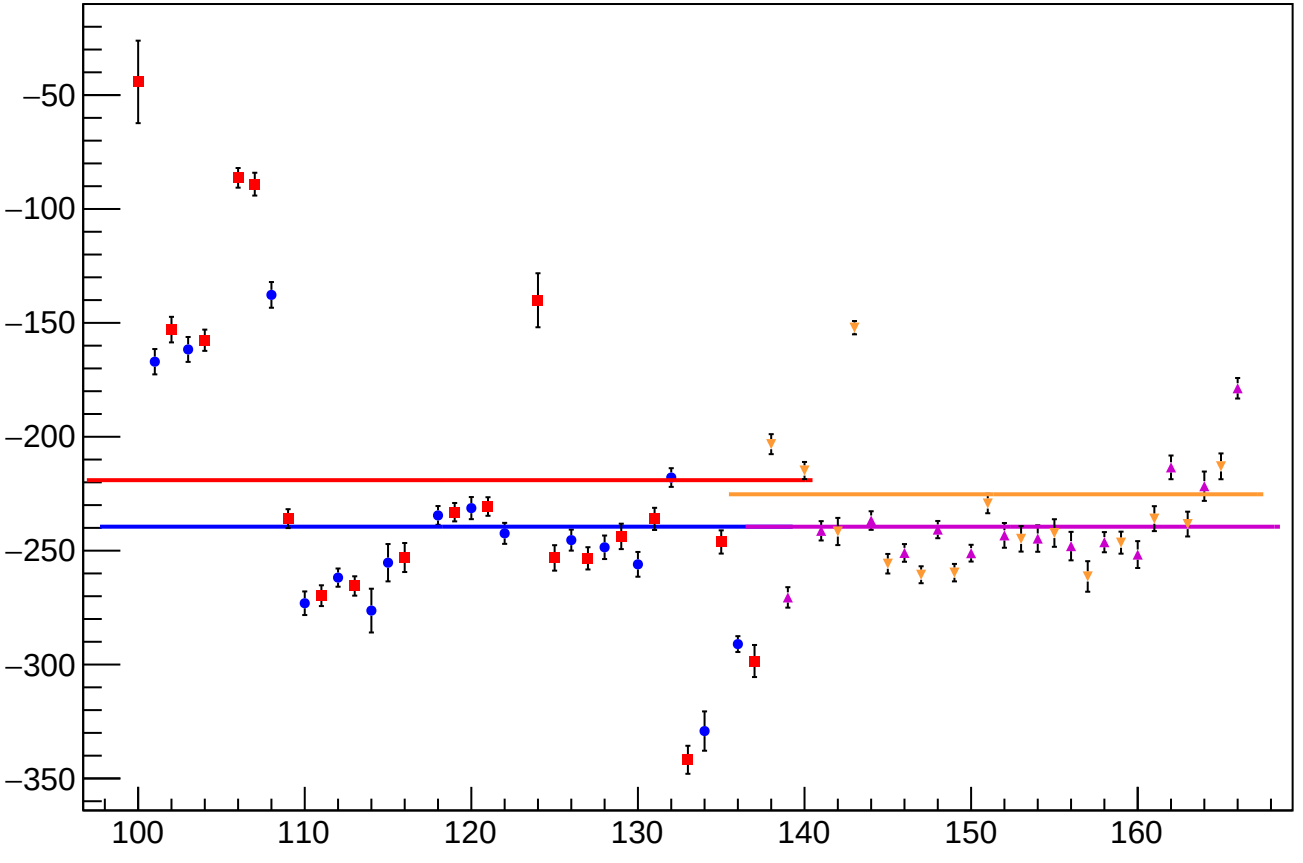
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.031+/-0.682 χ^2/NDF:527.5/29

Out: -0.444+/-0.635 χ^2/NDF:513.1/33

All: 0.706+/-0.465 χ^2/NDF: 1047.7/63

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.250+/-1.163 χ^2/NDF:971.2/14

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.487+/-1.236 χ^2/NDF:291.5/13

Left: -231.935+/-0.847 χ^2/NDF: 1333.1/28

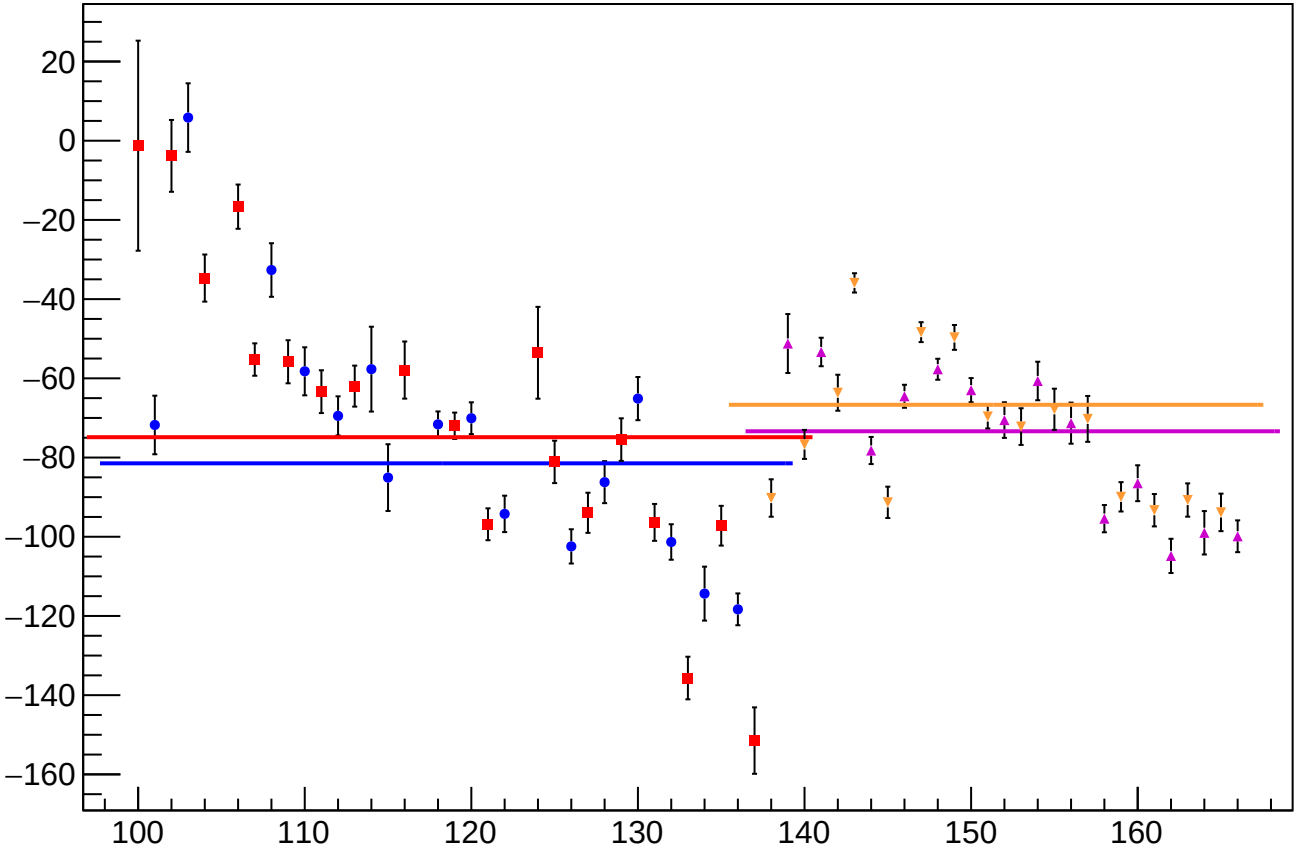
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.478+/-0.877 χ^2/NDF:1453.8/29

Out: -222.186+/-0.827 χ^2/NDF:4034.6/33

All: -230.322+/-0.602 χ^2/NDF: 5694.0/63

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.365+/-1.021 χ^2/NDF:272.9/13

Left: -69.769+/-0.694 χ^2/NDF: 759.9/28

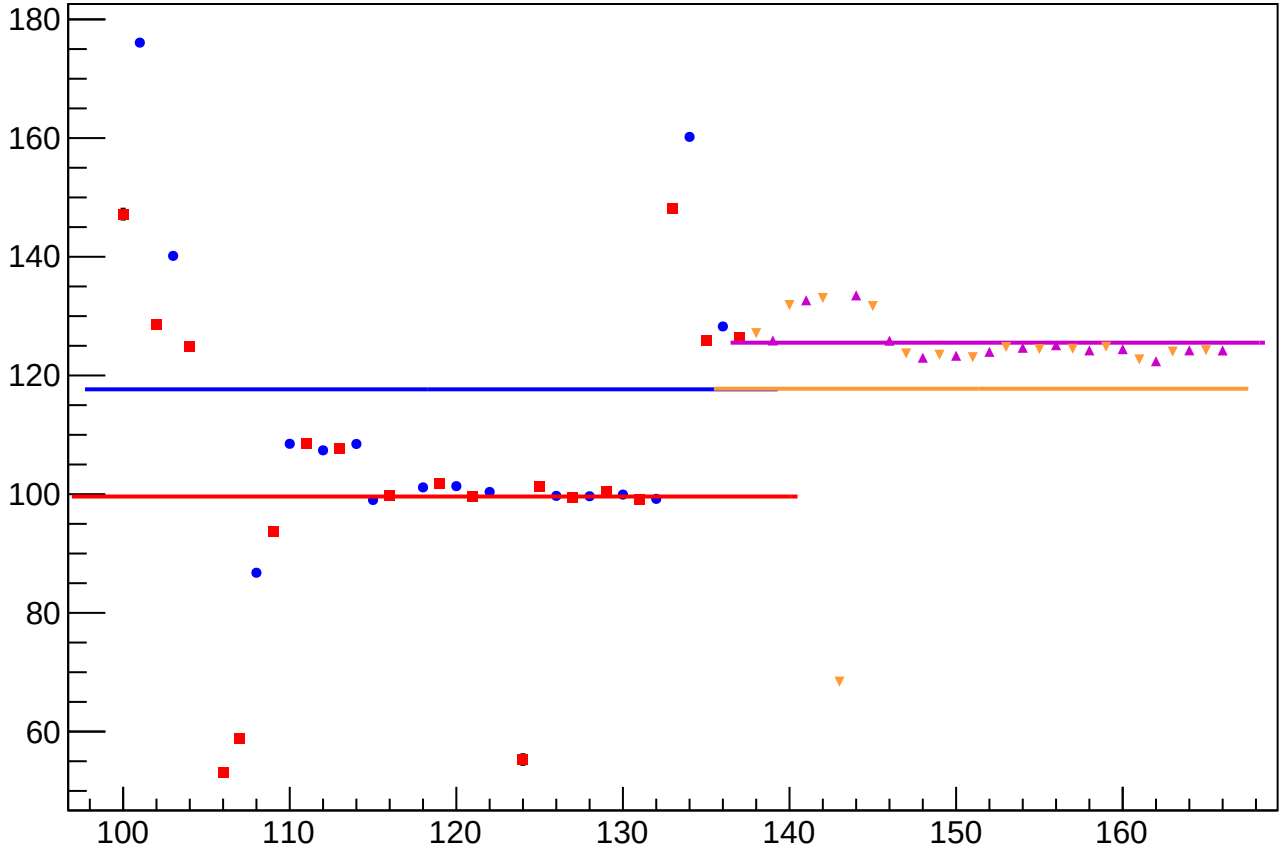
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.492+/-0.800 χ^2/NDF:663.7/29

Out: -69.720+/-0.750 χ^2/NDF:1068.3/33

All: -72.889+/-0.547 χ^2/NDF: 1770.1/63

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.527+/-0.048 χ^2/NDF:4621.7/13

Left: 121.485+/-0.033 χ^2/NDF: 214877.0/28

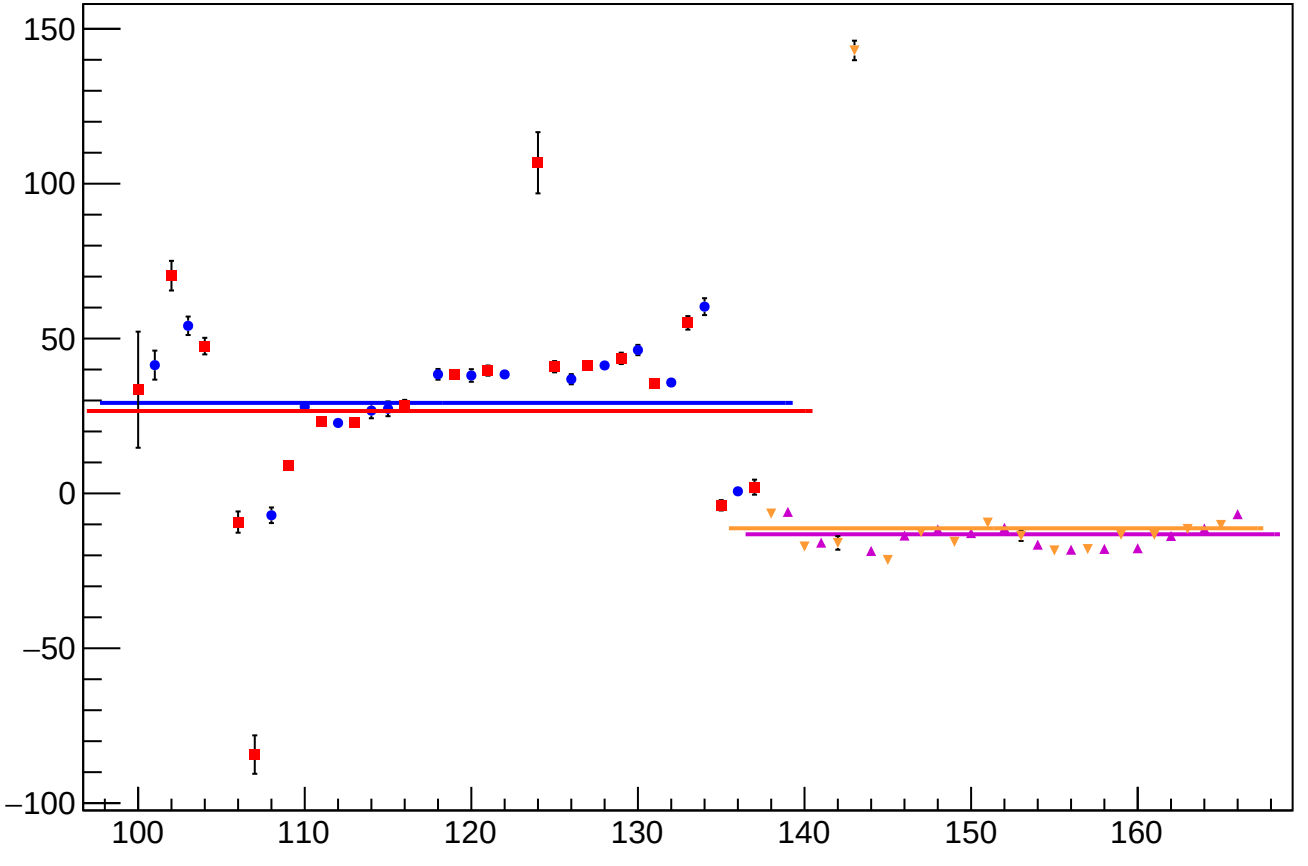
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.401+/-0.041 χ^2/NDF:107380.8/29

Out: 112.376+/-0.038 χ^2/NDF:409621.0/33

All: 117.555+/-0.028 χ^2/NDF: 555906.8/63

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.257+/-0.394 χ^2/NDF:2530.3/14

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.194+/-0.385 χ^2/NDF:111.0/13

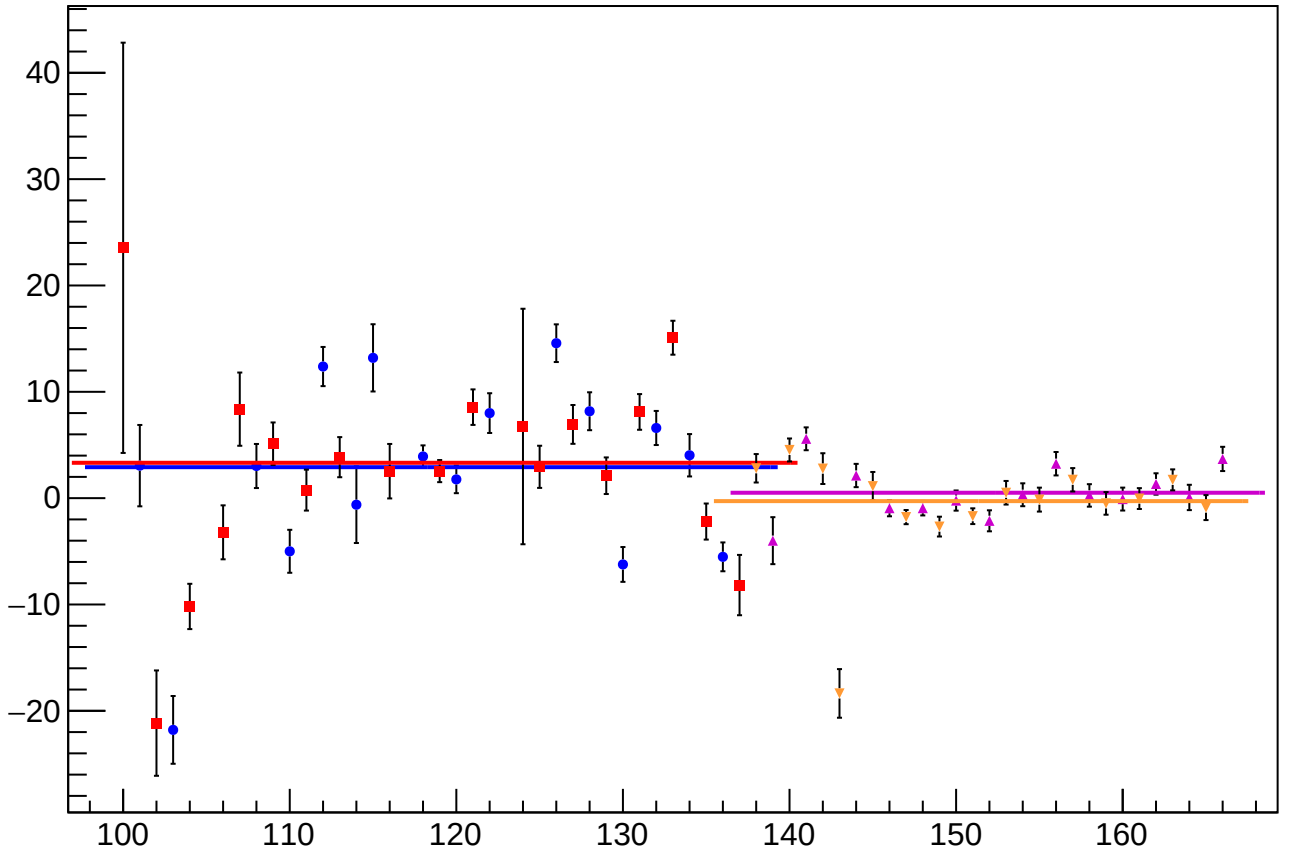
Left: -12.246+/-0.275 χ^2/NDF: 2653.6/28

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.989+/-0.285 χ^2/NDF:6930.8/29

Out: 6.718+/-0.285 χ^2/NDF:8843.4/33

All: 6.354+/-0.202 χ^2/NDF: 15777.5/63



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.280+/-0.267 χ^2/NDF:117.0/14

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.509+/-0.269 χ^2/NDF:59.6/13

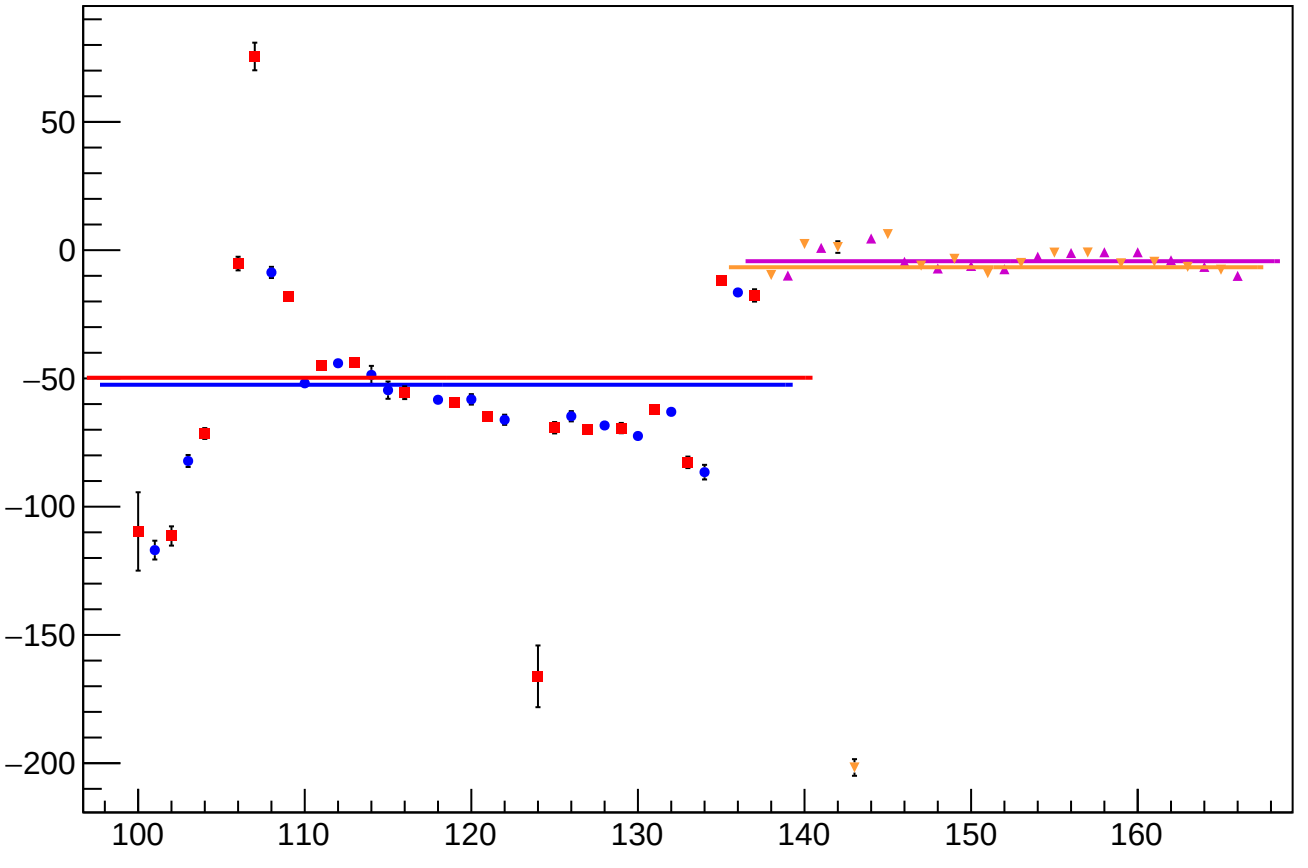
Left: 0.112+/-0.190 χ^2/NDF: 180.9/28

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.158+/-0.230 χ^2/NDF:331.1/29

Out: 0.651+/-0.230 χ^2/NDF:345.6/33

All: 0.905+/-0.163 χ^2/NDF: 679.2/63



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.302+/-0.373 χ^2/NDF:113.7/13

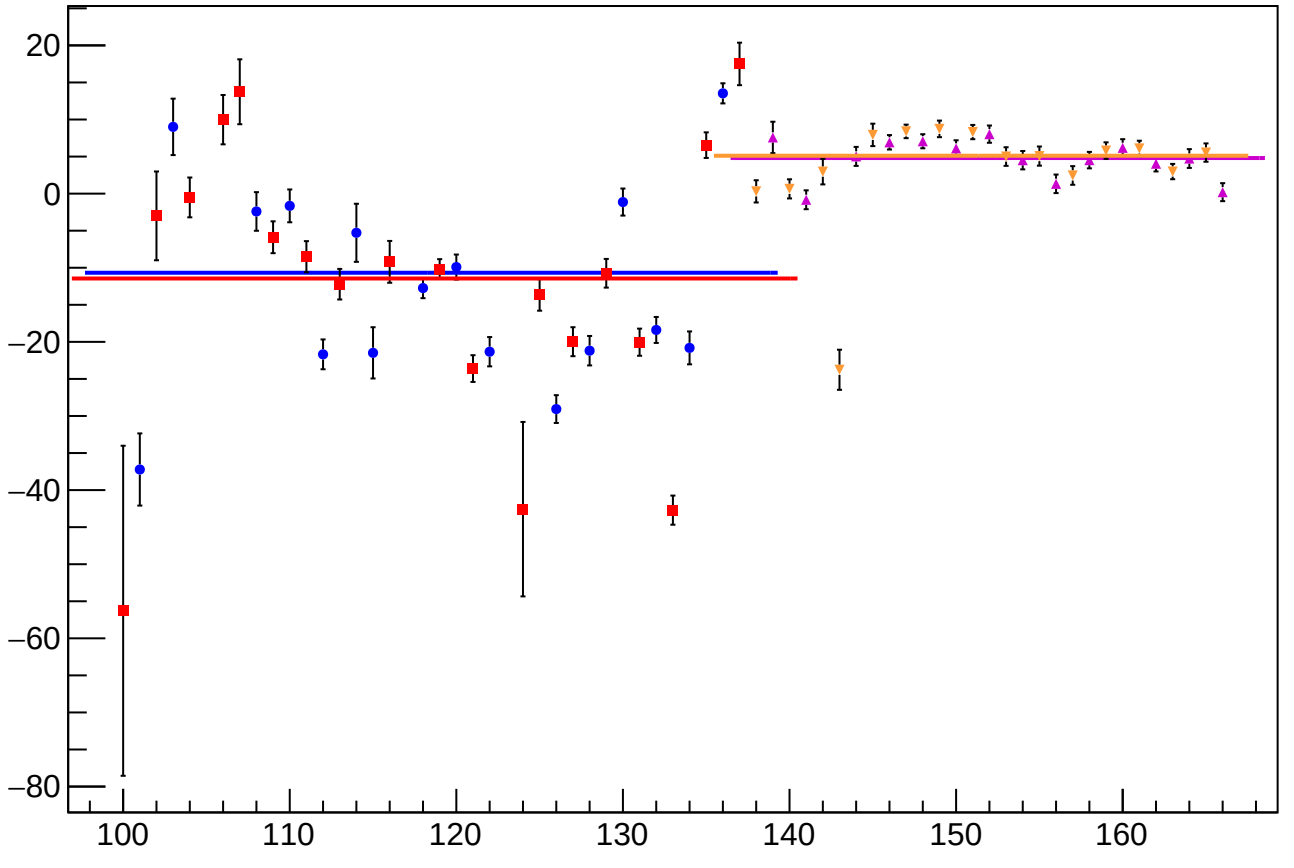
Left: -5.453+/-0.267 χ^2/NDF: 3921.3/28

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.088+/-0.296 χ^2/NDF:8593.5/29

Out: -22.726+/-0.302 χ^2/NDF:11564.9/33

All: -22.401+/-0.211 χ^2/NDF: 20160.7/63



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.112+/-0.313 χ^2/NDF:185.8/14

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.802+/-0.312 χ^2/NDF:65.0/13

Left: 4.957+/-0.221 χ^2/NDF: 251.3/28

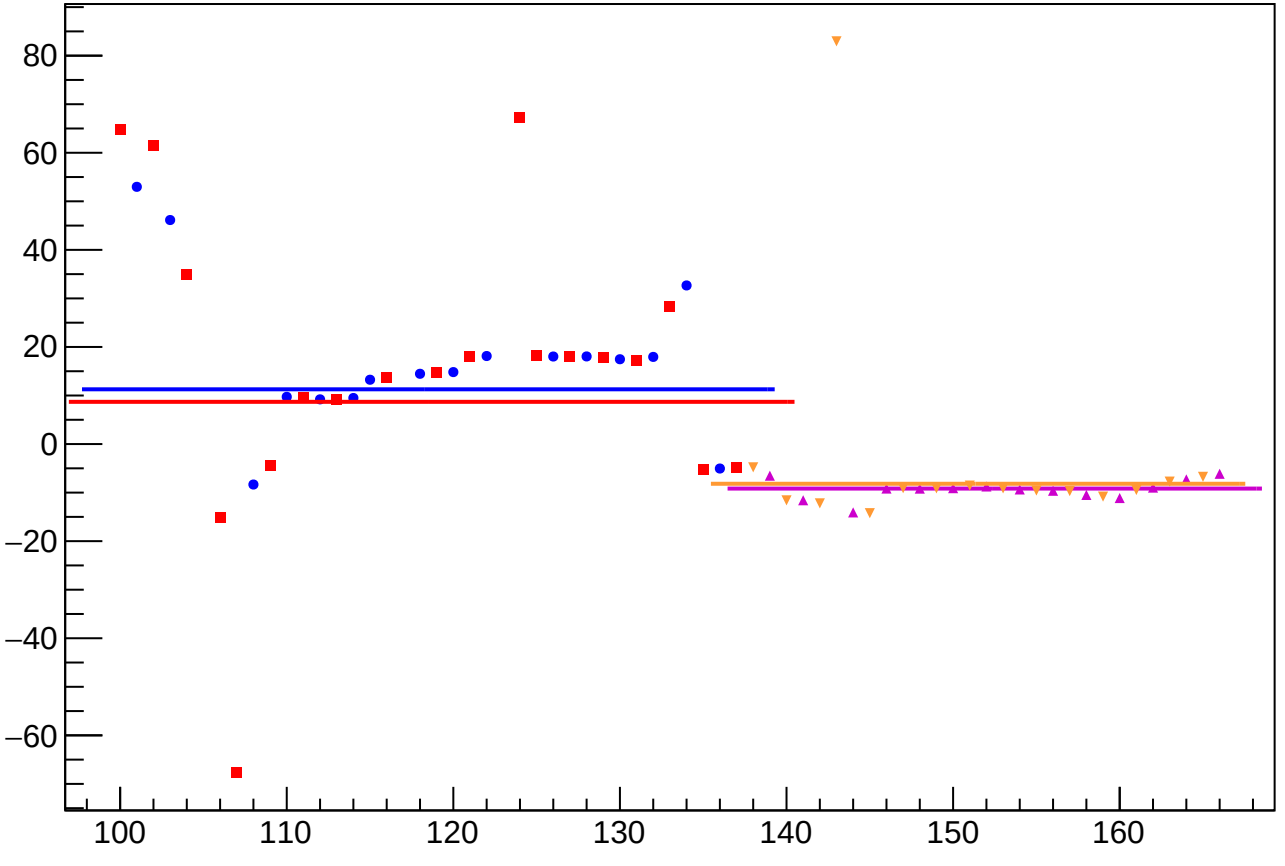
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.522+/-0.266 χ^2/NDF:1409.8/29

Out: 0.660+/-0.268 χ^2/NDF:1604.7/33

All: 0.591+/-0.189 χ^2/NDF: 3014.6/63

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.179+/-0.014 χ^2/NDF:481001.0/14

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.171+/-0.014 χ^2/NDF:16594.2/13

Left: -8.686+/-0.010 χ^2/NDF: 500038.2/28

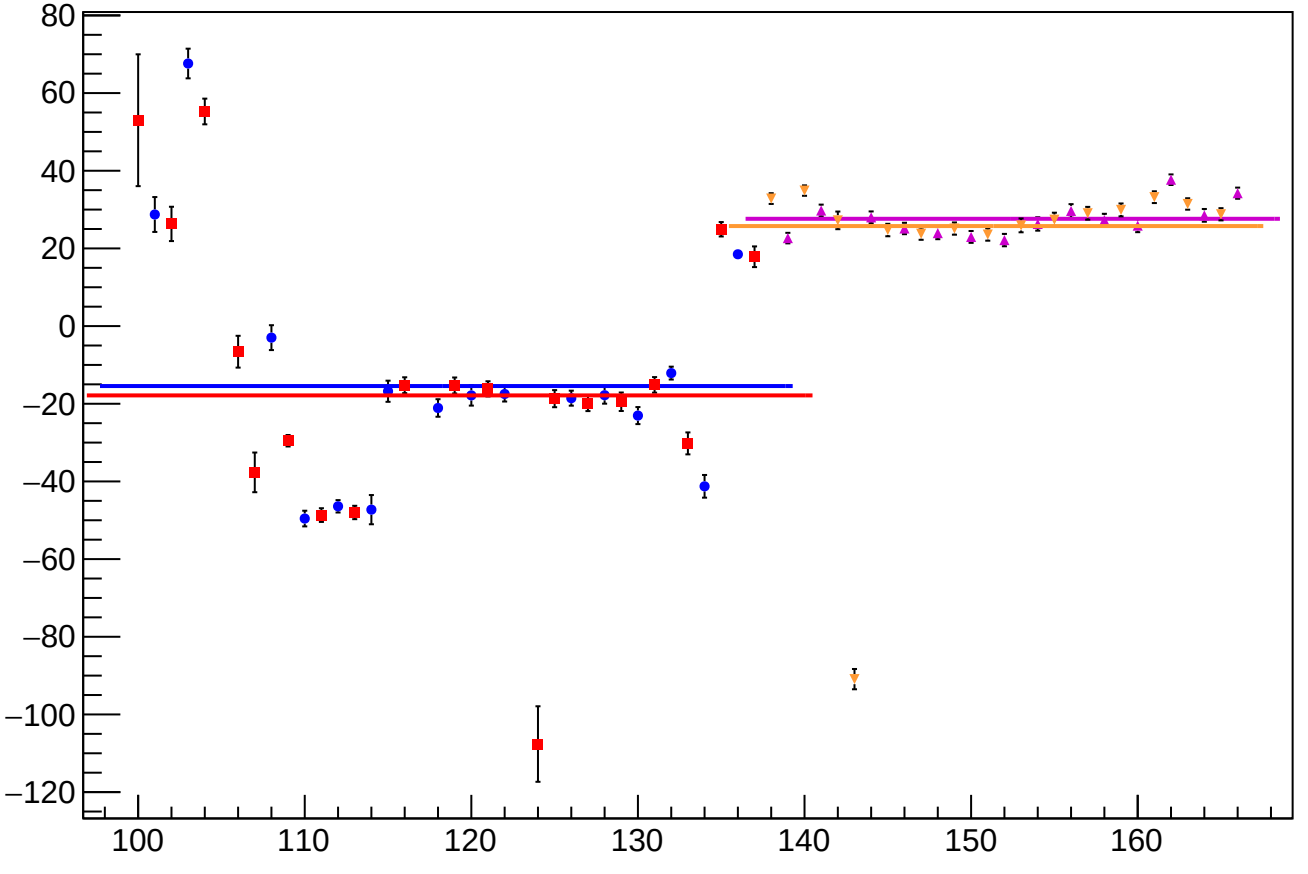
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.484+/-0.013 χ^2/NDF:748724.5/29

Out: -5.270+/-0.013 χ^2/NDF:1155927.0/33

All: -5.380+/-0.009 χ^2/NDF: 1904789.8/63

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.756+/-0.420 χ^2/NDF:2125.2/14

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.629+/-0.413 χ^2/NDF:124.1/13

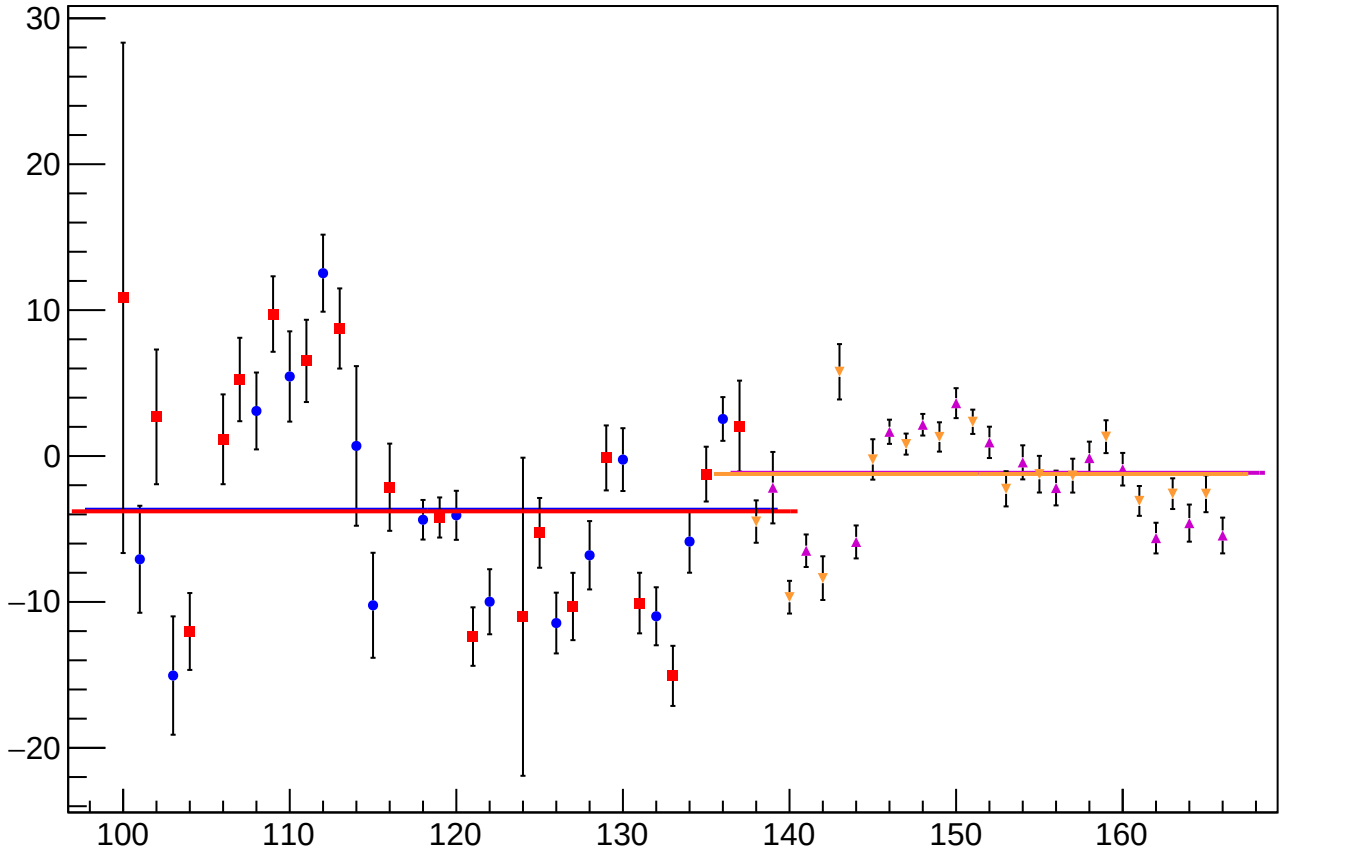
Left: 26.709+/-0.294 χ^2/NDF: 2259.4/28

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

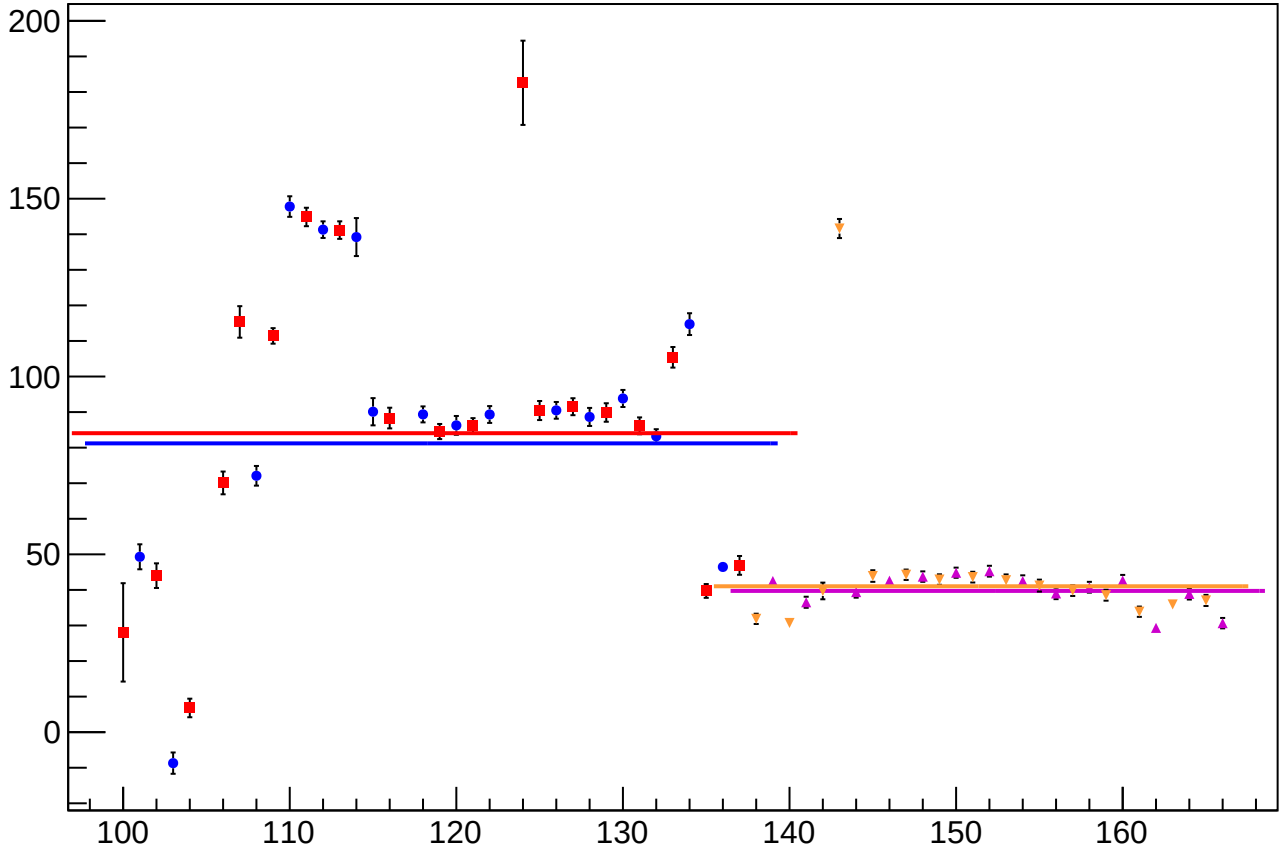
In: 11.720+/-0.328 χ^2/NDF:6273.5/29

Out: 8.931+/-0.329 χ^2/NDF:8413.1/33

All: 10.331+/-0.232 χ^2/NDF: 14722.6/63


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.229+/-0.286 χ²/NDF:143.5/14
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.150+/-0.288 χ²/NDF:137.2/13
Left: -1.190+/-0.203 χ²/NDF: 280.7/28
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.691+/-0.255 χ²/NDF:277.7/29
Out: -1.754+/-0.255 χ²/NDF:321.1/33
All: -1.722+/-0.180 χ²/NDF: 598.8/63

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.025+/-0.407 χ^2/NDF:1559.1/14

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.720+/-0.400 χ^2/NDF:154.6/13

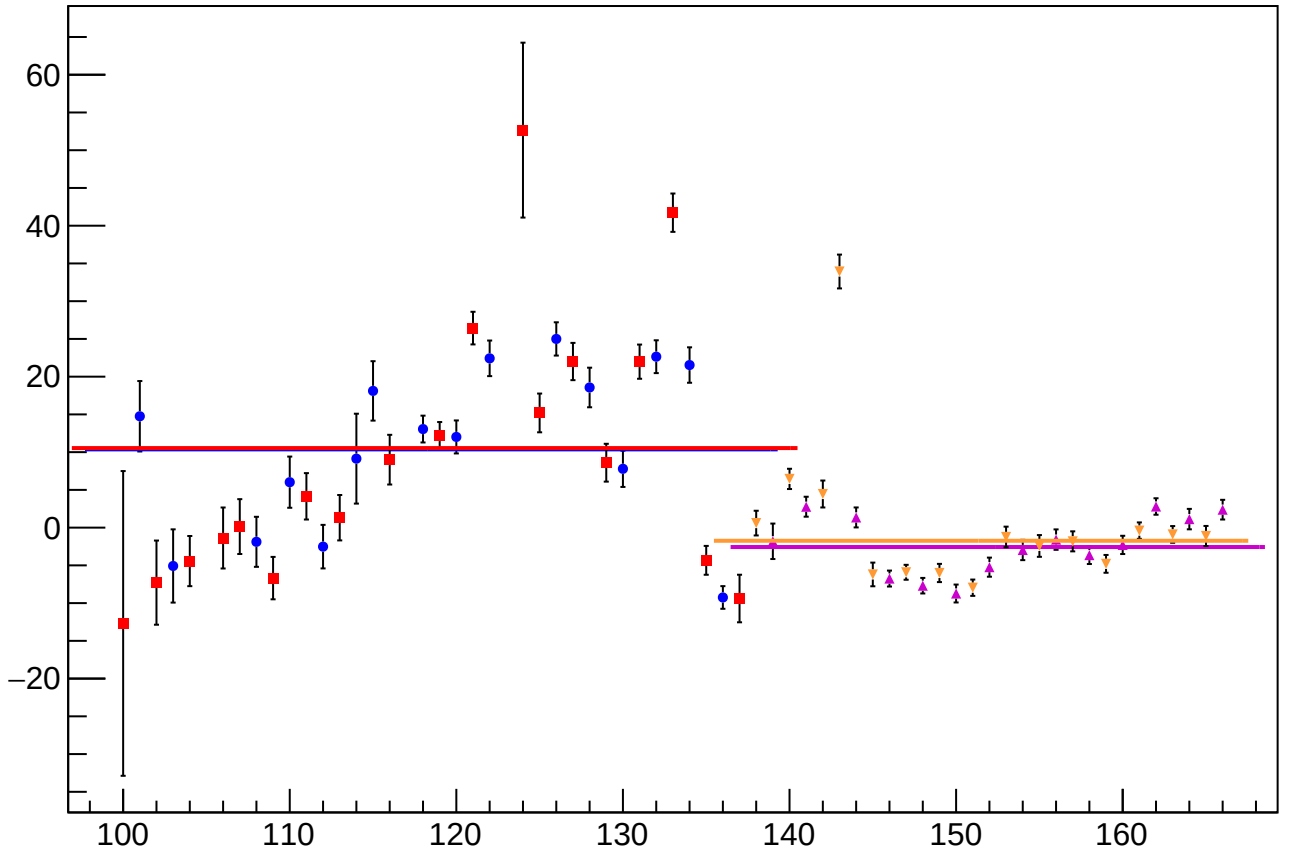
Left: 40.360+/-0.285 χ^2/NDF: 1719.0/28

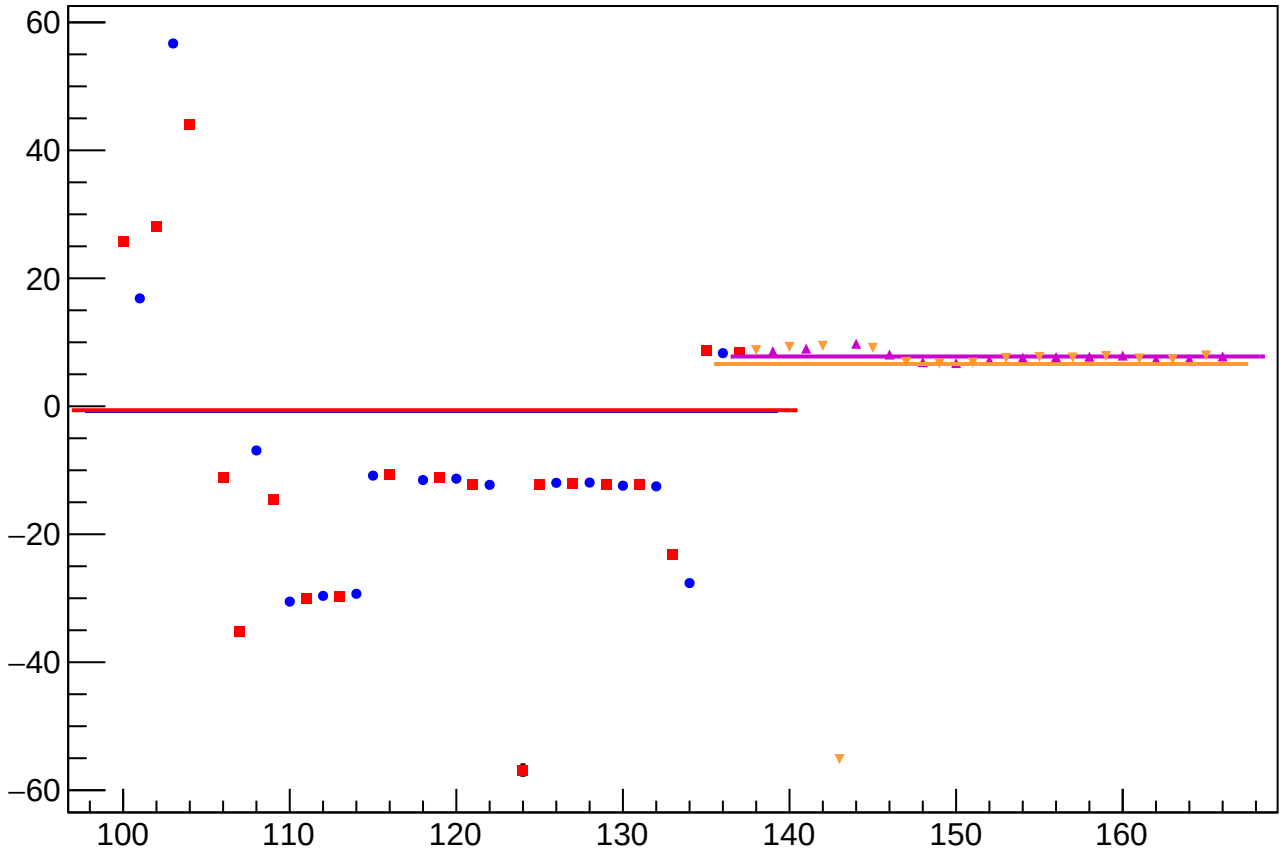
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 52.258+/-0.334 χ^2/NDF:6643.5/29

Out: 54.092+/-0.340 χ^2/NDF:8162.3/33

All: 53.159+/-0.238 χ^2/NDF: 14820.6/63


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.739+/-0.334 χ²/NDF:385.7/14
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.569+/-0.334 χ²/NDF:144.6/13
Left: -2.155+/-0.236 χ²/NDF: 533.4/28
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.291+/-0.295 χ²/NDF:836.4/29
Out: 0.890+/-0.296 χ²/NDF:1145.5/33
All: 0.589+/-0.209 χ²/NDF: 1983.9/63



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.781+/-0.015 χ^2/NDF:2291.7/13

Left: 7.206+/-0.011 χ^2/NDF: 318942.2/28

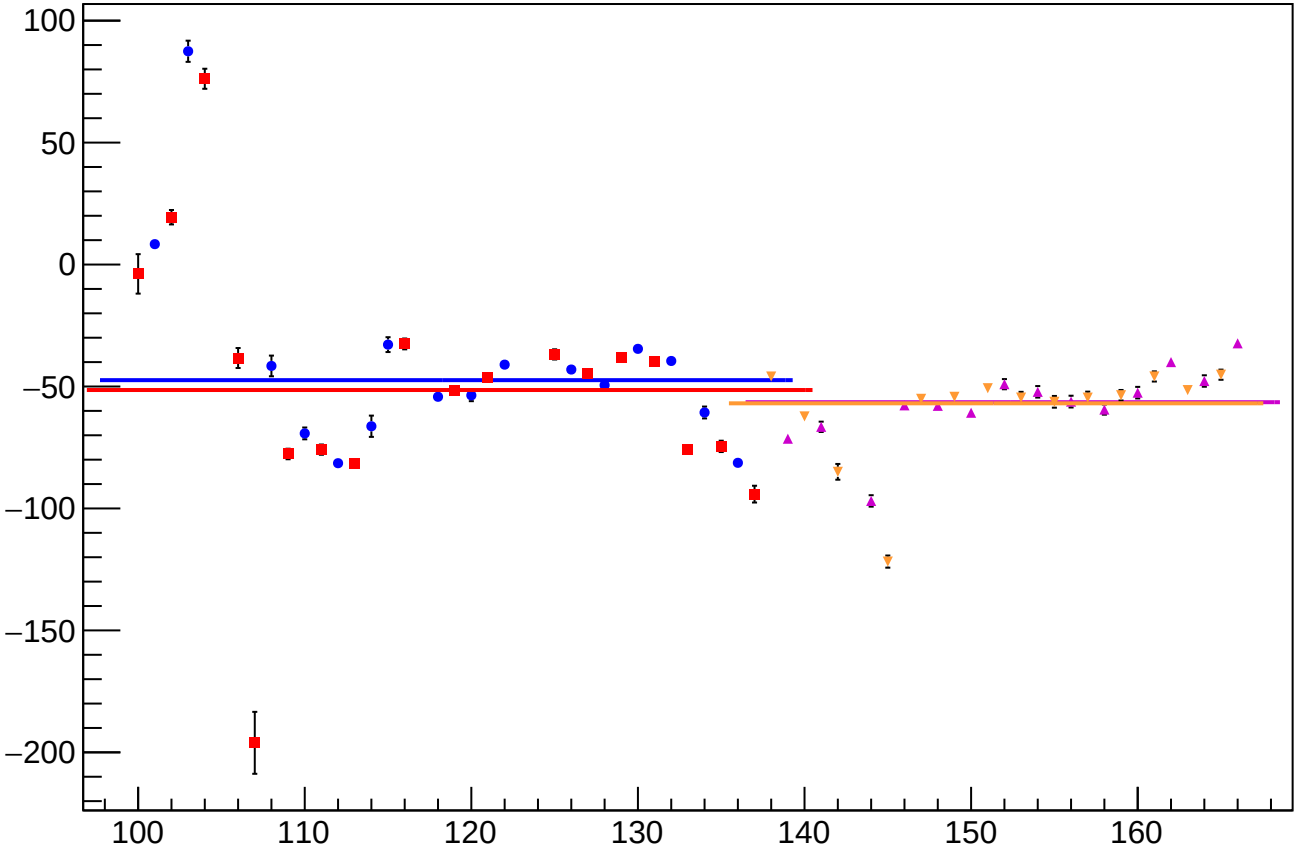
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.507+/-0.014 χ^2/NDF:418318.4/29

Out: 5.563+/-0.014 χ^2/NDF:662197.5/33

All: 6.046+/-0.010 χ^2/NDF: 1082780.4/63

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -56.901+/-0.565 χ^2/NDF:884.1/13

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -56.435+/-0.546 χ^2/NDF:690.5/13

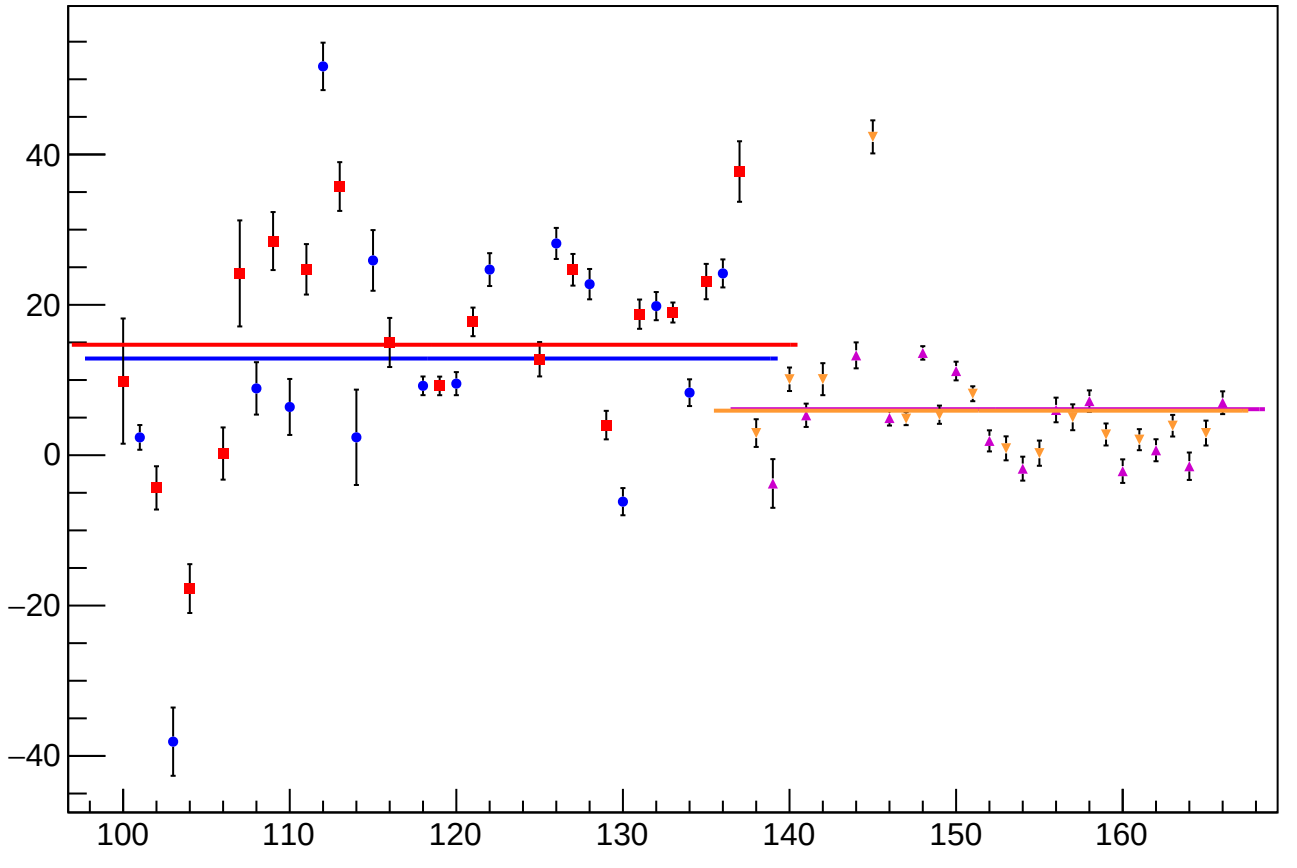
Left: -56.660+/-0.393 χ^2/NDF: 1575.0/27

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -51.826+/-0.382 χ^2/NDF:3599.3/29

Out: -54.074+/-0.392 χ^2/NDF:3805.2/31

All: -52.921+/-0.274 χ^2/NDF: 7421.3/61



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.924+/-0.376 χ^2/NDF:333.6/13

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.119+/-0.375 χ^2/NDF:208.0/13

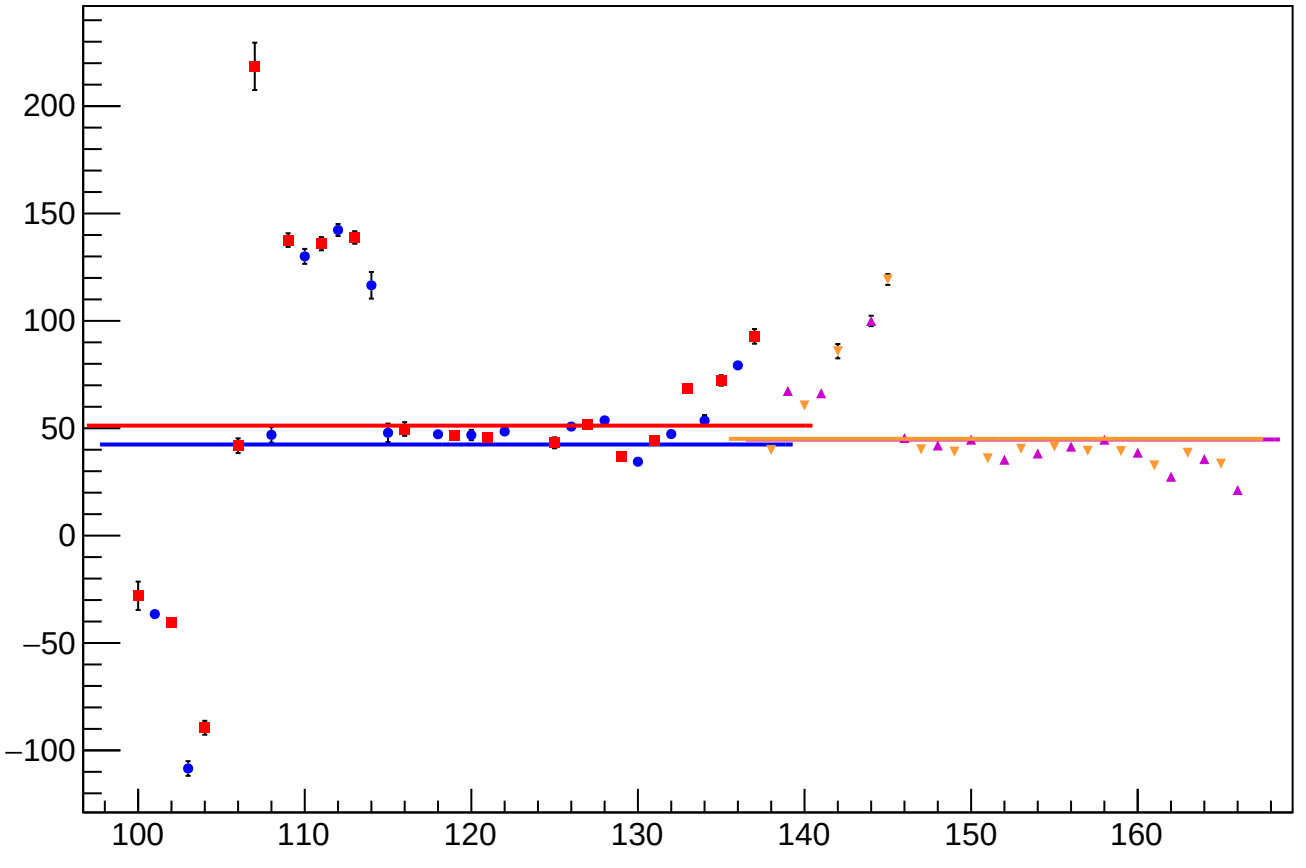
Left: 6.022+/-0.266 χ^2/NDF: 541.8/27

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.434+/-0.304 χ^2/NDF:944.4/29

Out: 8.756+/-0.309 χ^2/NDF:873.3/31

All: 8.592+/-0.217 χ^2/NDF: 1818.3/61



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.080+/-0.546 χ^2/NDF:1238.0/13

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 44.762+/-0.528 χ^2/NDF:1085.0/13

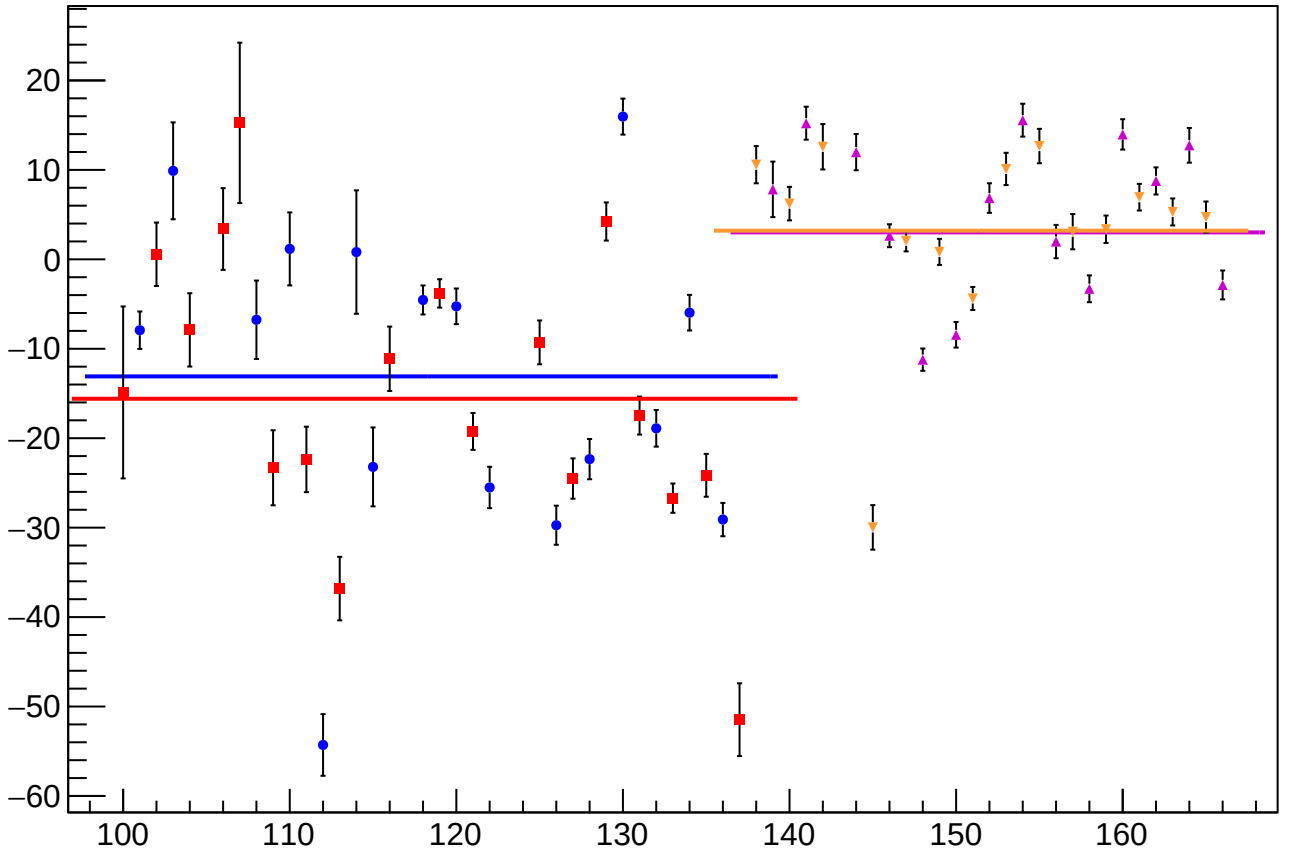
Left: 44.916+/-0.379 χ^2/NDF: 2323.2/27

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 43.718+/-0.392 χ^2/NDF:8262.6/29

Out: 47.787+/-0.408 χ^2/NDF:7905.2/31

All: 45.669+/-0.283 χ^2/NDF: 16219.6/61



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.208+/-0.443 χ^2/NDF:292.2/13

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.010+/-0.438 χ^2/NDF:424.5/13

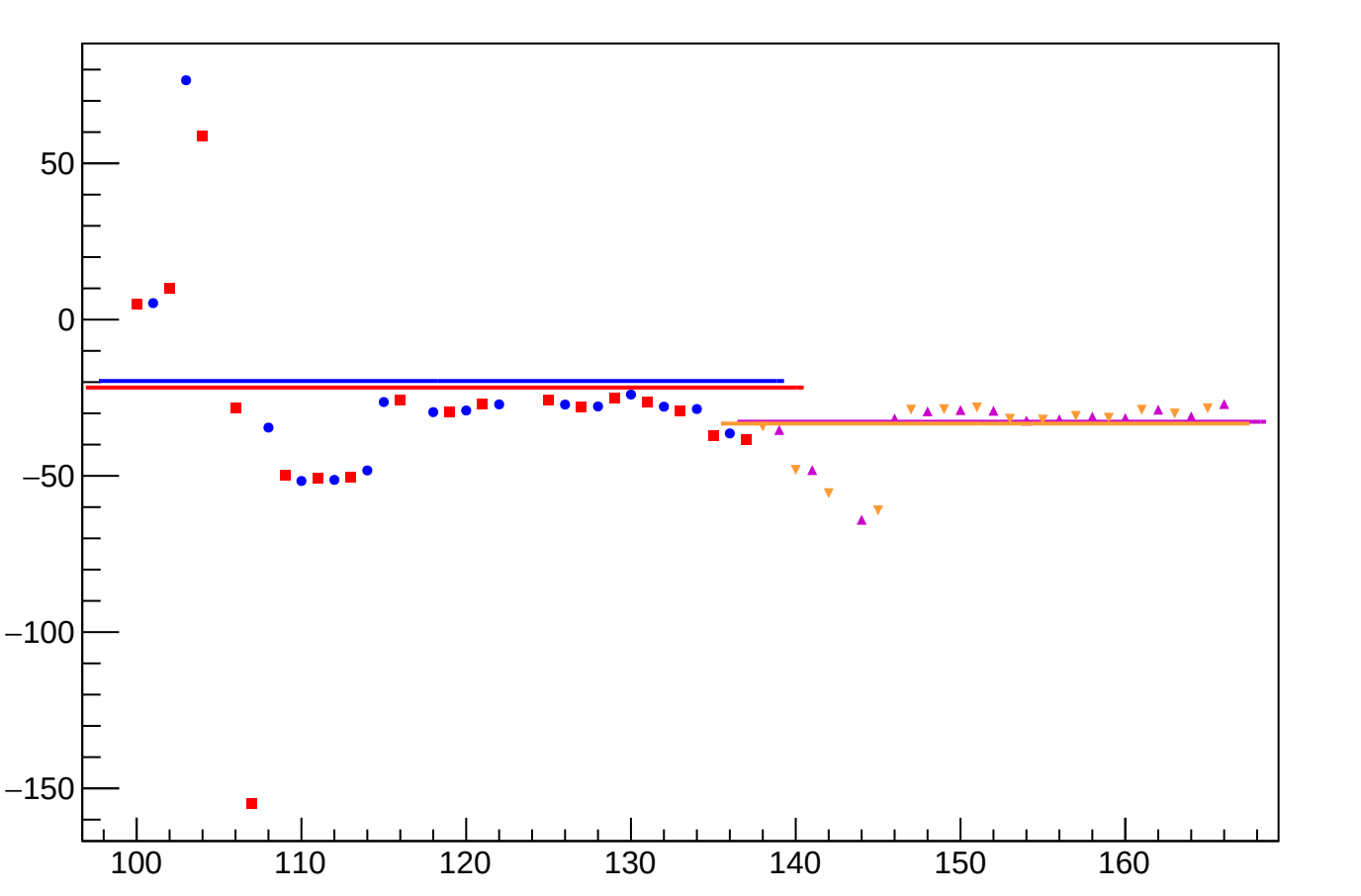
Left: 3.108+/-0.312 χ^2/NDF: 716.9/27

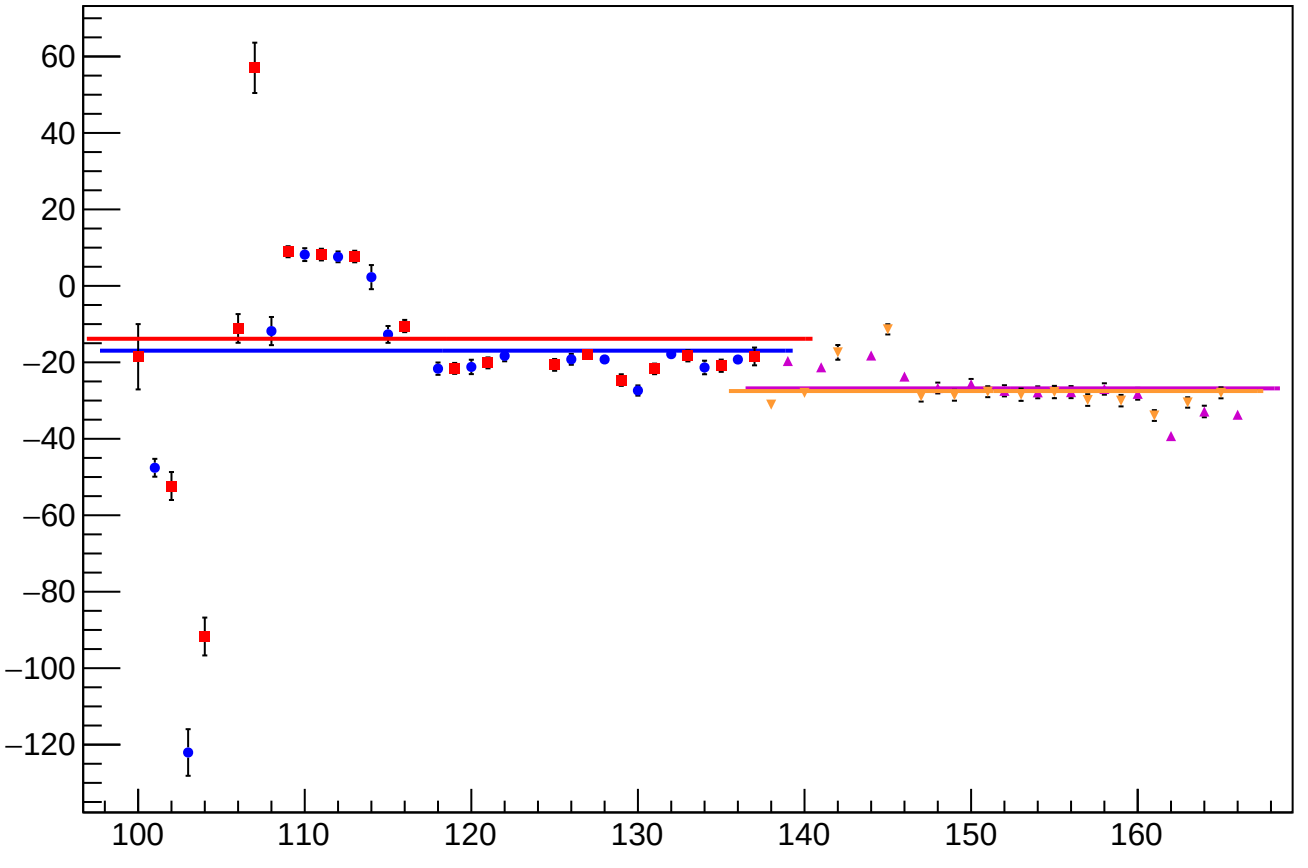
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

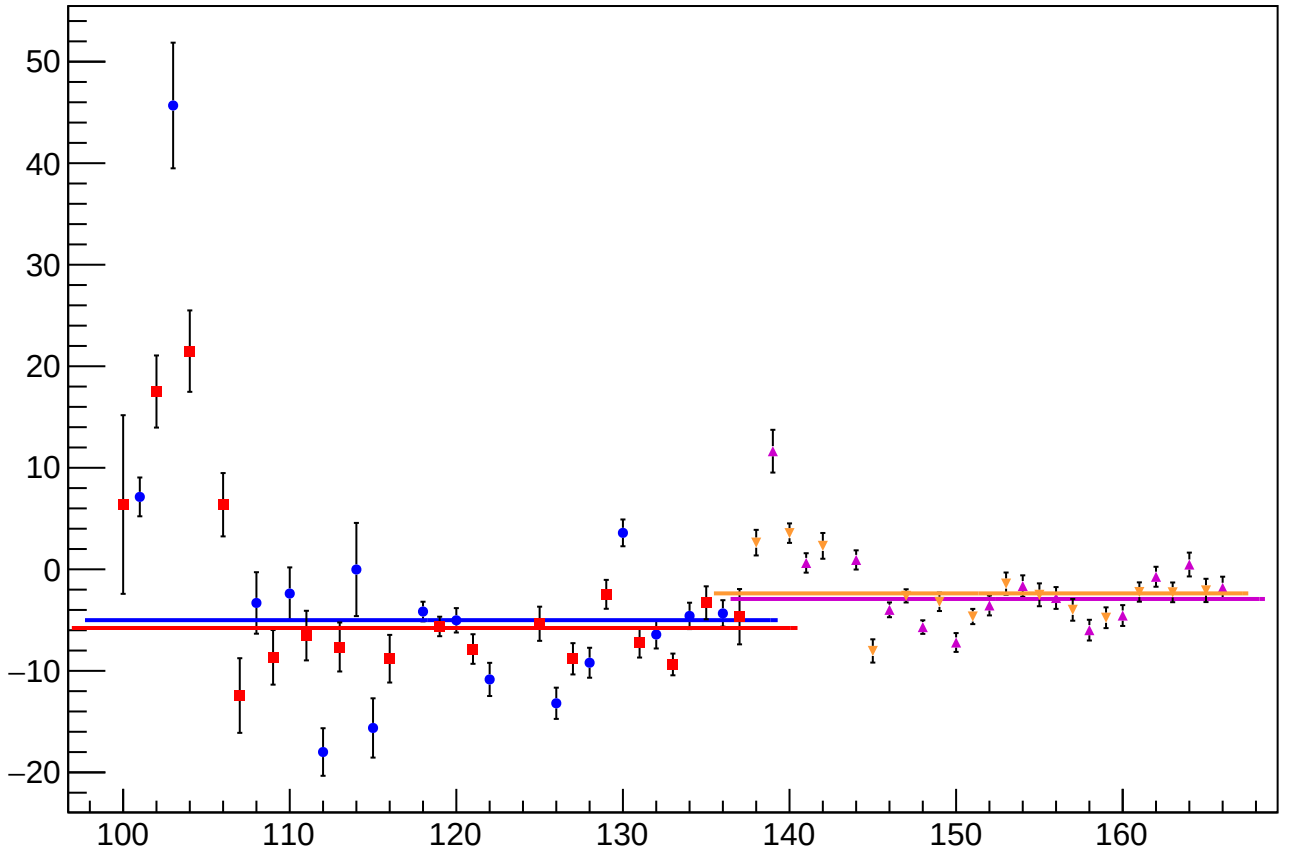
In: -2.593+/-0.354 χ^2/NDF:1534.3/29

Out: -3.055+/-0.362 χ^2/NDF:1293.7/31

All: -2.819+/-0.253 χ^2/NDF: 2828.8/61


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -33.248+/-0.021 χ²/NDF:159822.6/13
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -32.679+/-0.020 χ²/NDF:134048.1/13
Left: -32.953+/-0.014 χ²/NDF: 294265.0/27
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.635+/-0.017 χ²/NDF:880838.7/29
Out: -30.715+/-0.018 χ²/NDF:774921.3/31
All: -30.151+/-0.013 χ²/NDF: 1657592.9/61


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -27.510+/-0.379 χ²/NDF:215.1/13
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -26.812+/-0.368 χ²/NDF:249.8/13
Left: -27.151+/-0.264 χ²/NDF: 466.6/27
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -22.335+/-0.272 χ²/NDF:1703.7/29
Out: -21.188+/-0.278 χ²/NDF:2148.5/31
All: -21.774+/-0.195 χ²/NDF: 3860.9/61



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.370+/-0.260 χ^2/NDF:110.9/13

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.920+/-0.258 χ^2/NDF:146.5/13

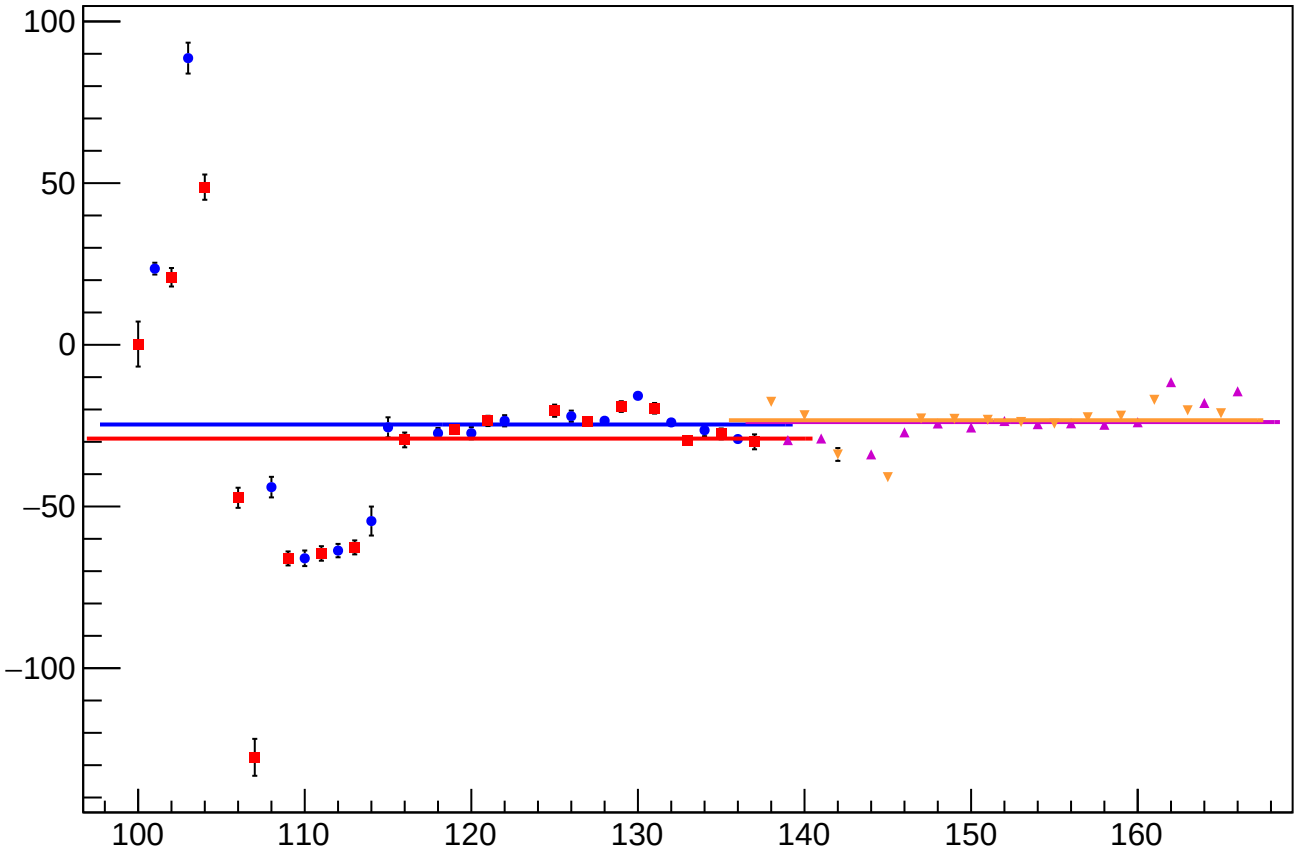
Left: -2.647+/-0.183 χ^2/NDF: 259.6/27

Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.530+/-0.217 χ^2/NDF:413.3/29

Out: -3.314+/-0.221 χ^2/NDF:298.0/31

All: -3.424+/-0.155 χ^2/NDF: 711.8/61



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -23.328+/-0.368 χ^2/NDF:250.1/13

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -23.891+/-0.357 χ^2/NDF:273.0/13

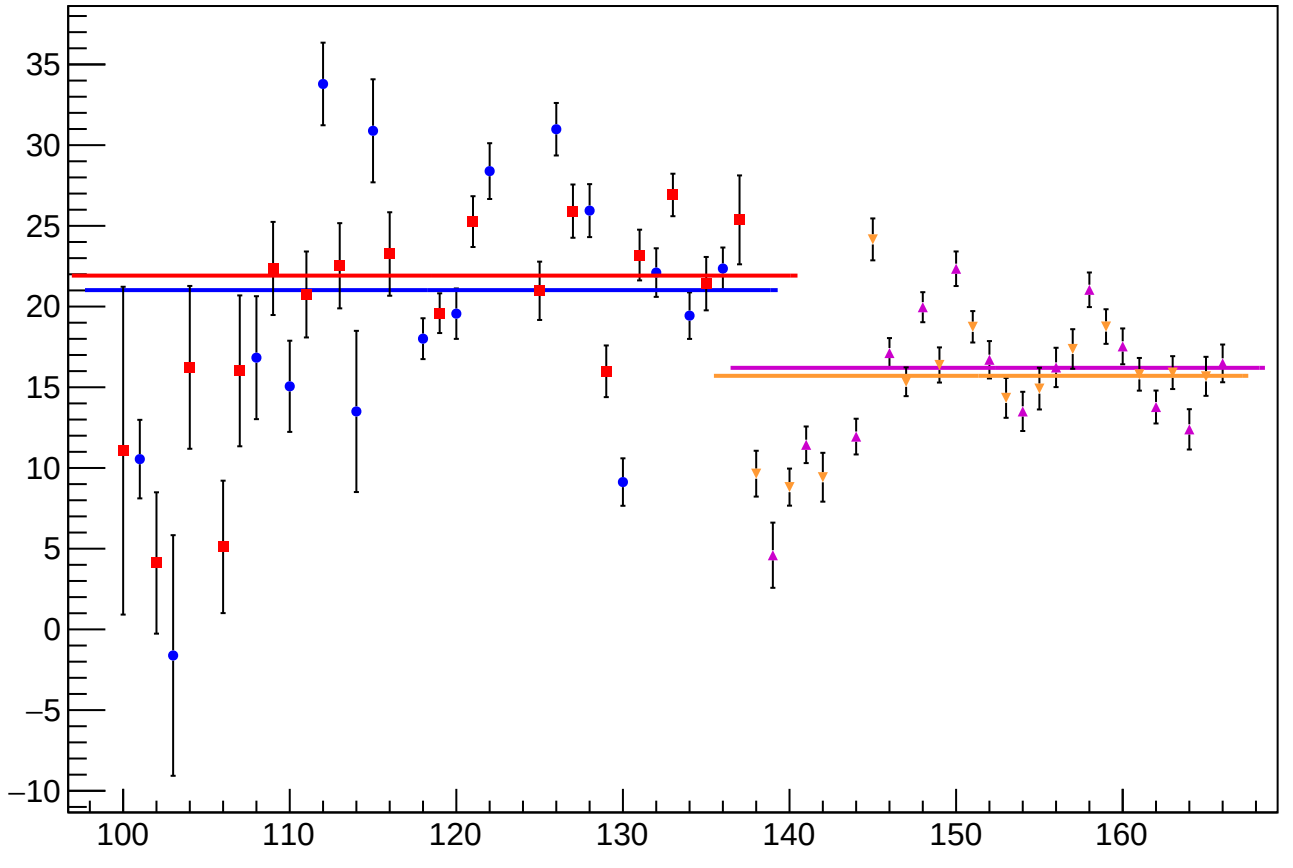
Left: -23.618+/-0.256 χ^2/NDF: 524.3/27

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.177+/-0.281 χ^2/NDF:2326.5/29

Out: -25.457+/-0.291 χ^2/NDF:2291.5/31

All: -24.795+/-0.202 χ^2/NDF: 4628.0/61



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.709+/-0.303 χ^2/NDF:135.8/13

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.204+/-0.300 χ^2/NDF:157.6/13

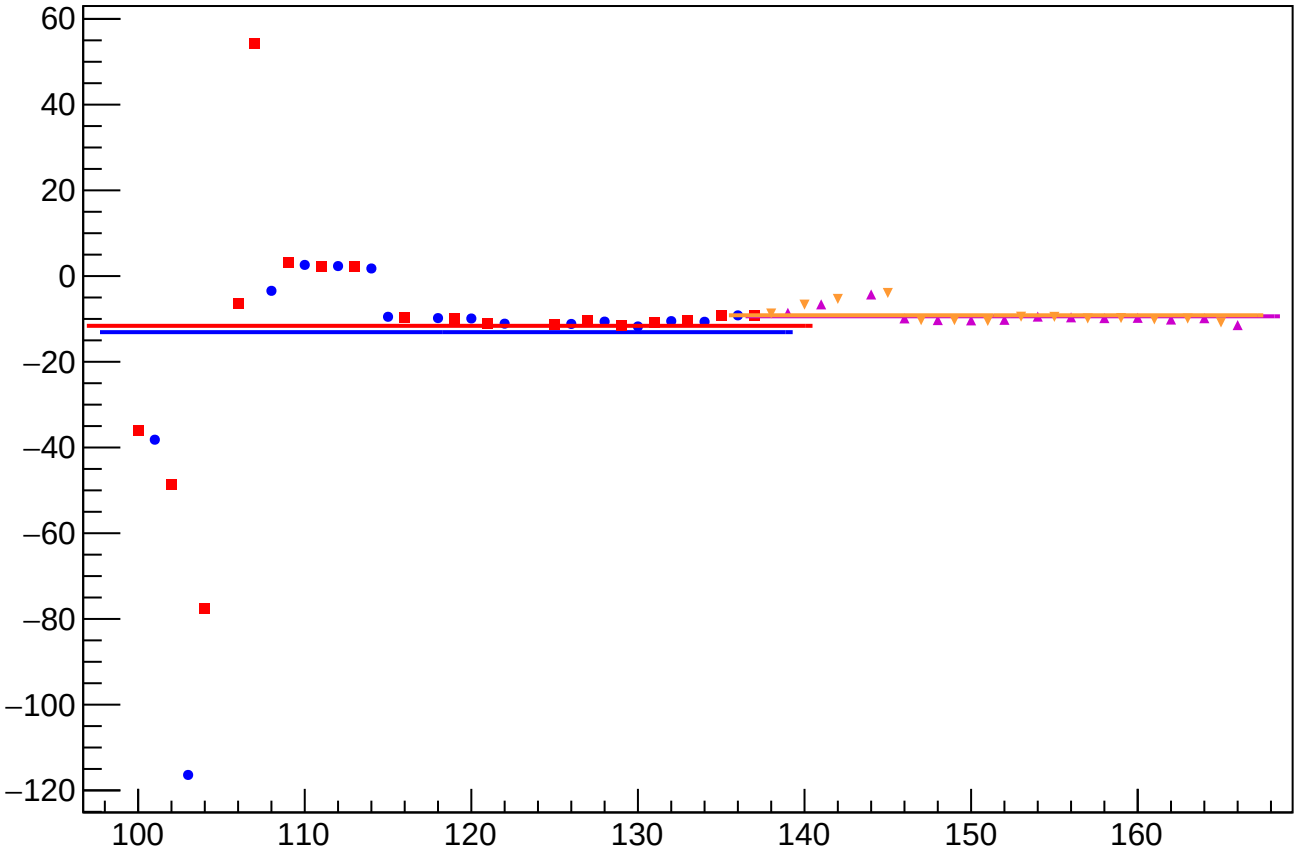
Left: 15.960+/-0.213 χ^2/NDF: 294.8/27

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.646+/-0.251 χ^2/NDF:444.6/29

Out: 17.491+/-0.256 χ^2/NDF:338.5/31

All: 17.570+/-0.179 χ^2/NDF: 783.2/61



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.149+/-0.014 χ^2/NDF:17579.2/13

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.387+/-0.013 χ^2/NDF:13465.5/13

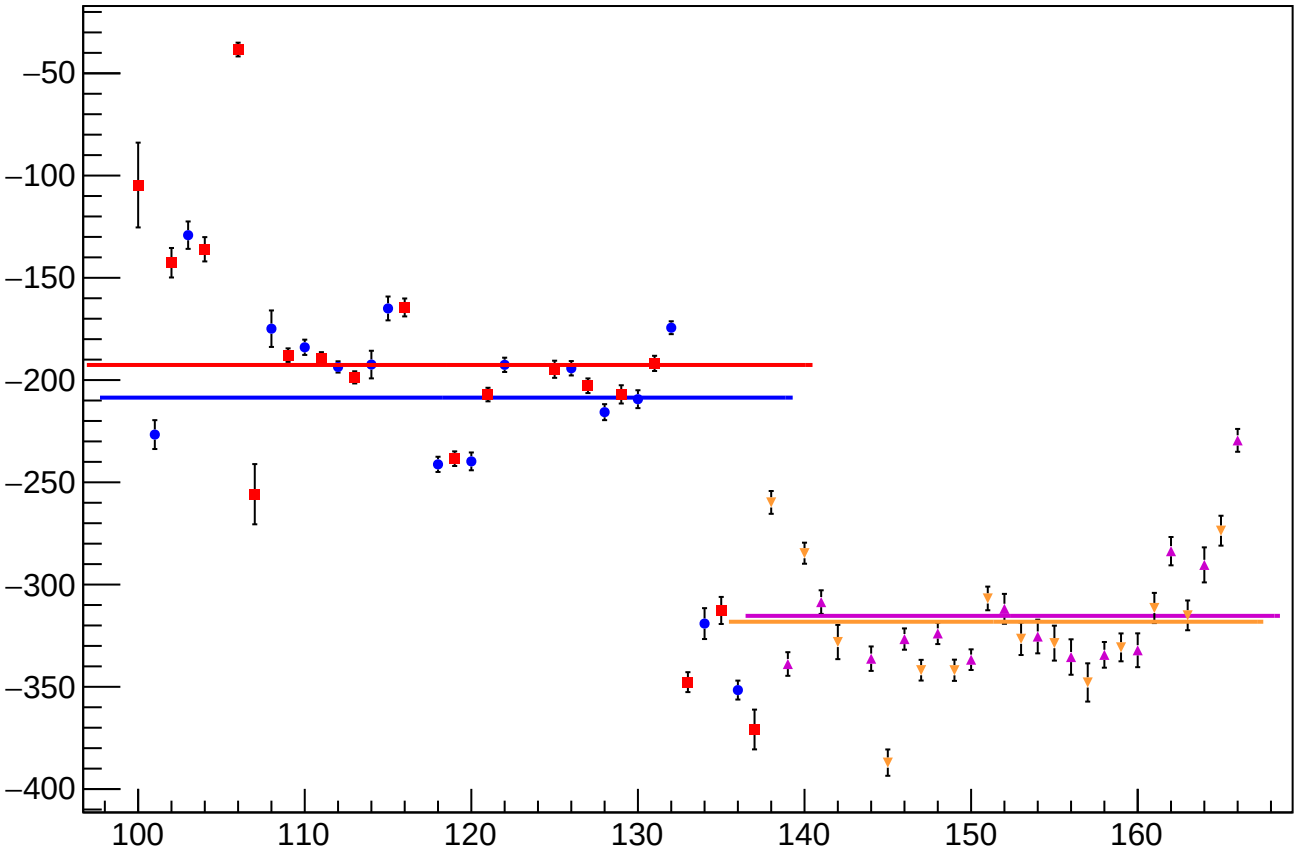
Left: -9.272+/-0.010 χ^2/NDF: 31196.9/27

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.068+/-0.012 χ^2/NDF:372238.4/29

Out: -9.563+/-0.013 χ^2/NDF:337043.2/31

All: -9.825+/-0.009 χ^2/NDF: 710105.8/61



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.179+/-1.734 χ^2/NDF:368.3/13

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -315.299+/-1.680 χ^2/NDF:341.4/13

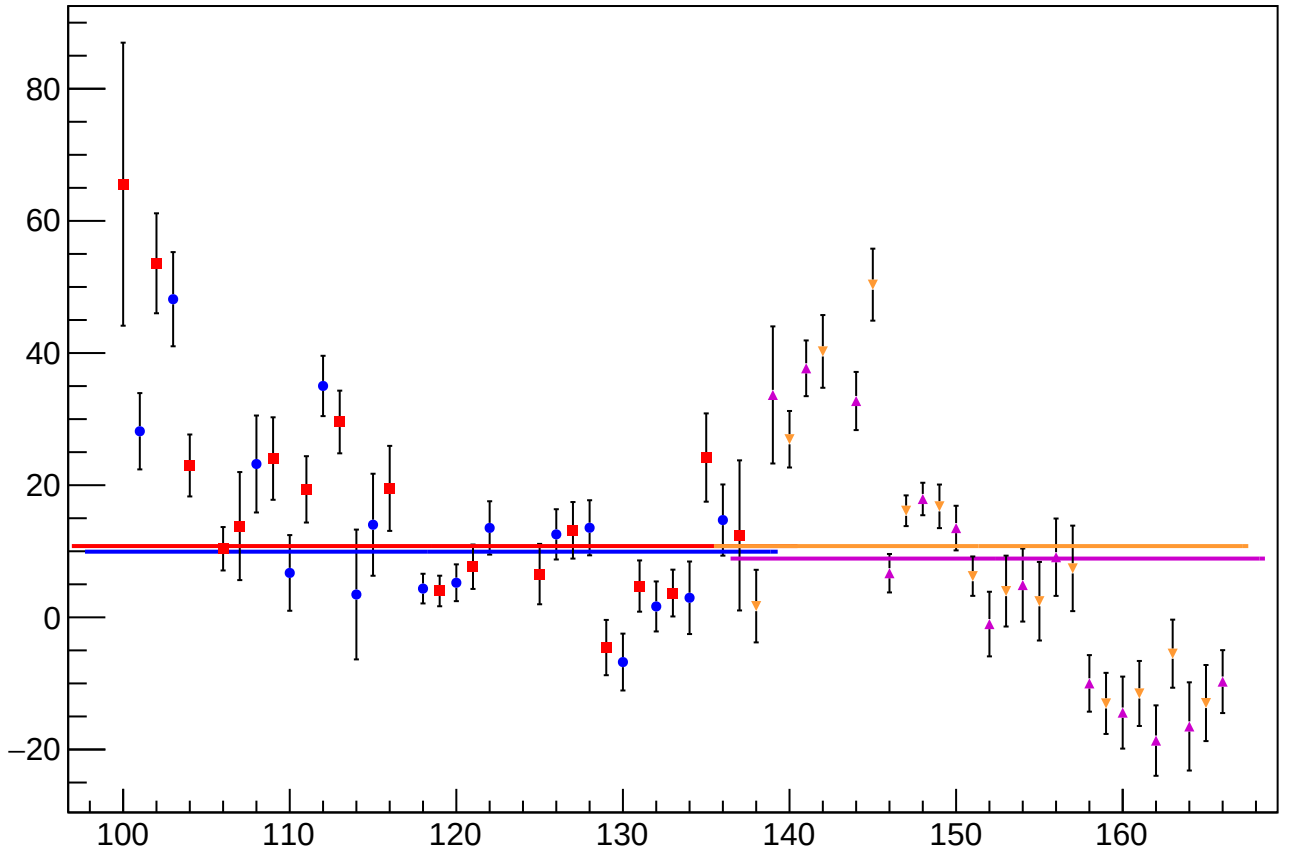
Left: -316.694+/-1.207 χ^2/NDF: 711.1/27

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.228+/-0.900 χ^2/NDF:4967.4/29

Out: -223.907+/-0.865 χ^2/NDF:8513.2/31

All: -231.264+/-0.624 χ^2/NDF: 13631.1/61



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 10.785+/-1.127 χ^2/NDF:187.3/13

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.896+/-1.131 χ^2/NDF:196.5/13

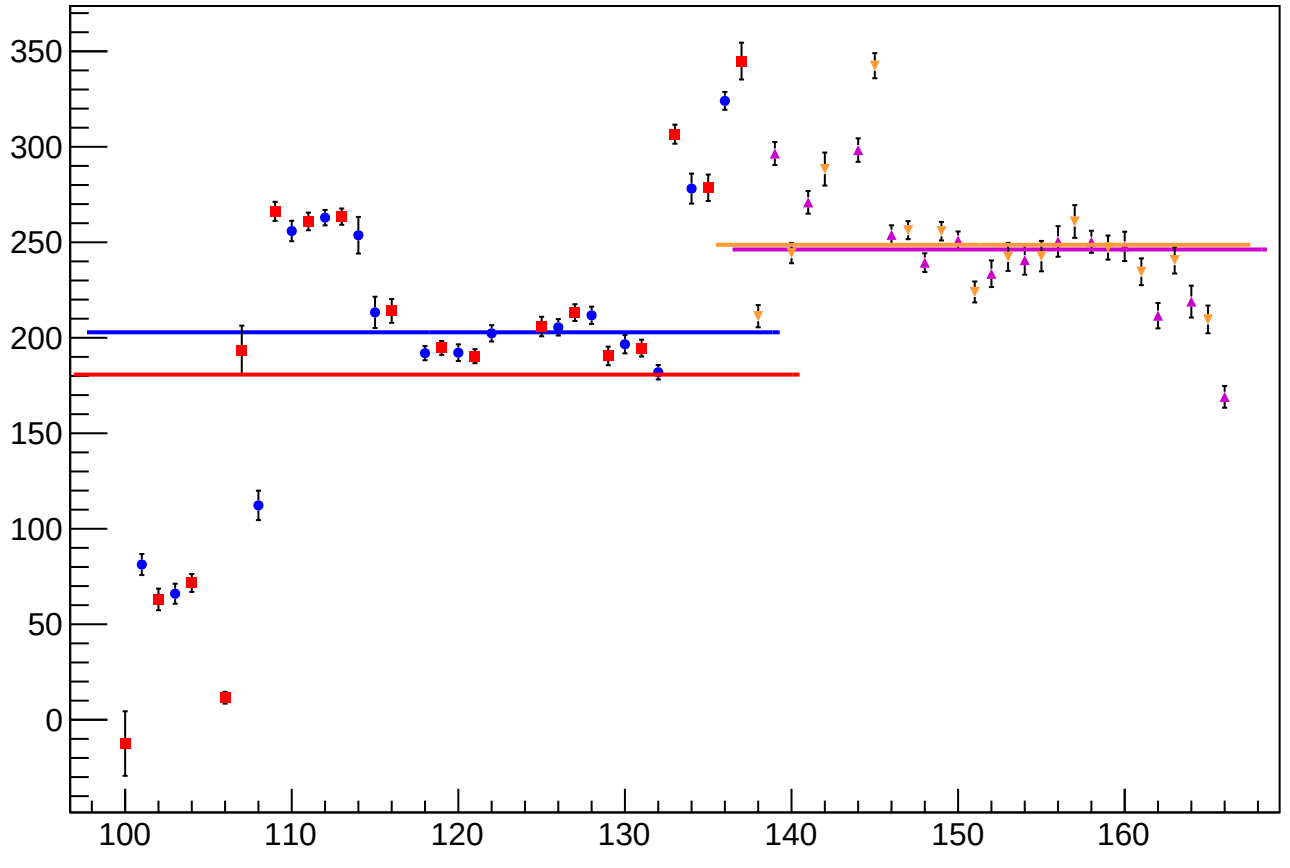
Left: 9.843+/-0.798 χ^2/NDF: 385.2/27

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.448+/-0.775 χ^2/NDF:303.5/29

Out: 10.787+/-0.766 χ^2/NDF:292.4/31

All: 10.126+/-0.545 χ^2/NDF: 597.4/61



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 248.694+/-1.679 χ^2/NDF:329.1/13

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 246.241+/-1.627 χ^2/NDF:389.7/13

Left: 247.429+/-1.168 χ^2/NDF: 719.9/27

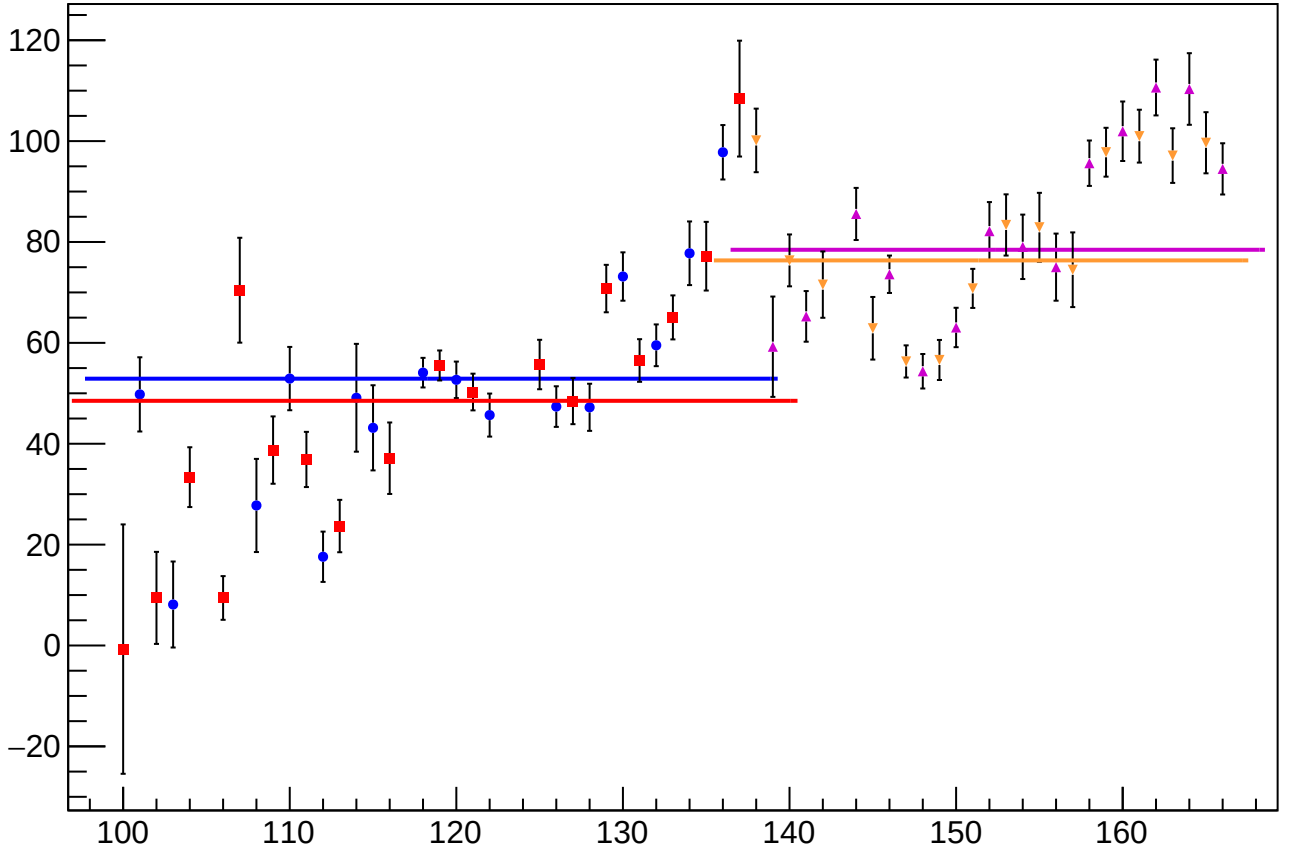
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.570+/-0.979 χ^2/NDF:3307.1/29

Out: 202.276+/-0.945 χ^2/NDF:7796.6/31

All: 210.136+/-0.680 χ^2/NDF: 11247.1/61

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.348+/-1.351 χ^2/NDF:159.3/13

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.457+/-1.339 χ^2/NDF:174.5/13

Left: 77.412+/-0.951 χ^2/NDF: 335.0/27

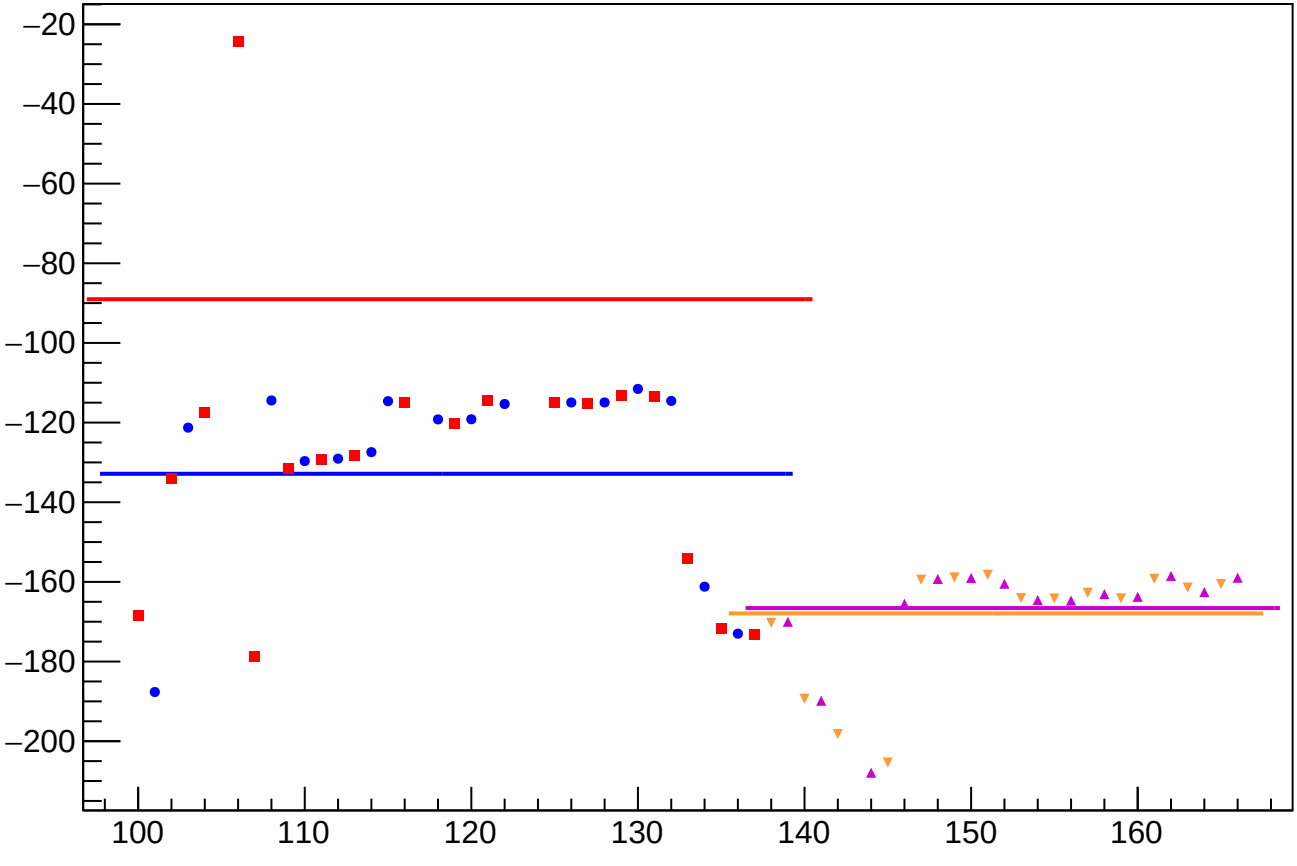
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 64.712+/-0.910 χ^2/NDF:568.7/29

Out: 60.947+/-0.903 χ^2/NDF:634.1/31

All: 62.815+/-0.641 χ^2/NDF: 1211.4/61

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.918+/-0.065 χ^2/NDF:45575.9/13

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -166.567+/-0.063 χ^2/NDF:38297.5/13

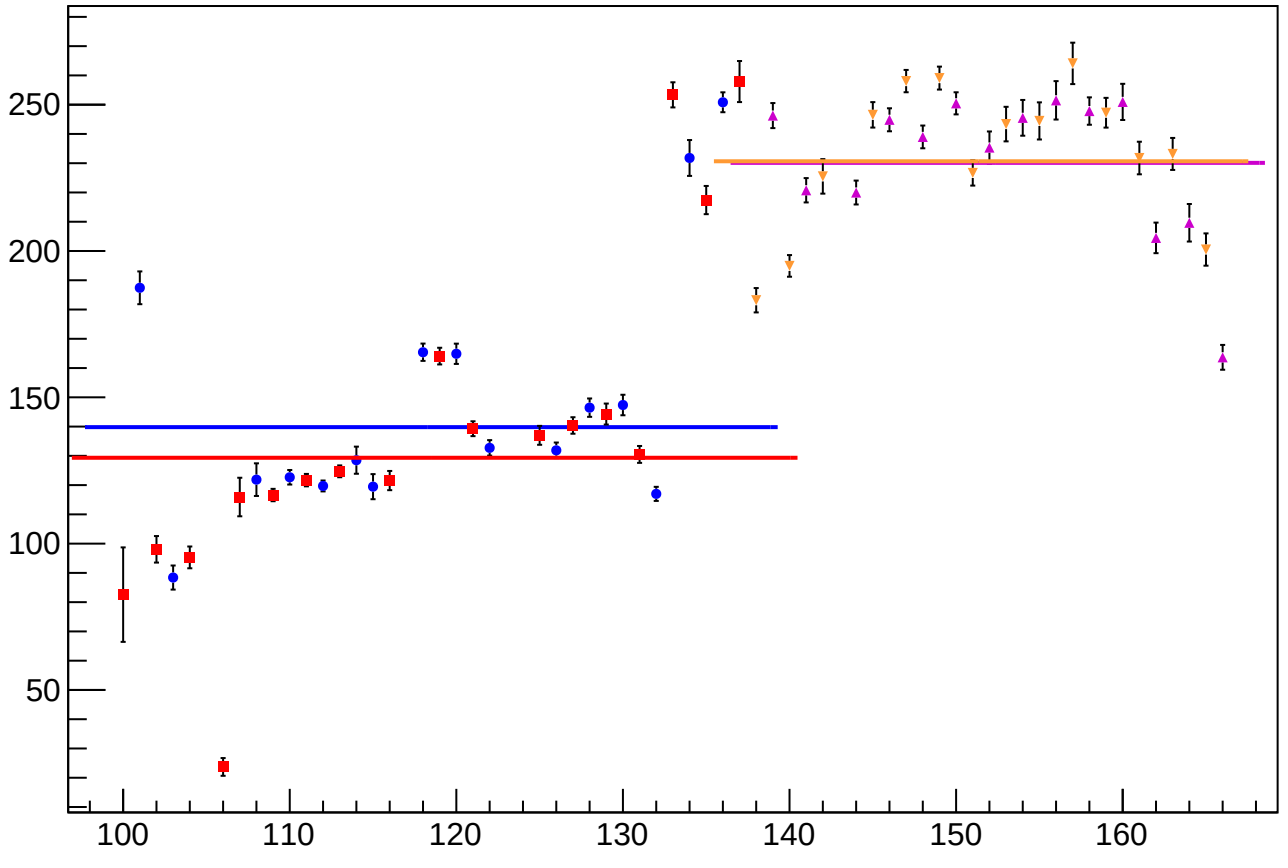
Left: -167.216+/-0.045 χ^2/NDF: 84097.3/27

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -154.045+/-0.050 χ^2/NDF:239724.9/29

Out: -127.901+/-0.046 χ^2/NDF:1518713.1/31

All: -139.909+/-0.034 χ^2/NDF: 1908760.0/61



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 230.659+/-1.280 χ^2/NDF:415.1/13

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 230.118+/-1.245 χ^2/NDF:397.1/13

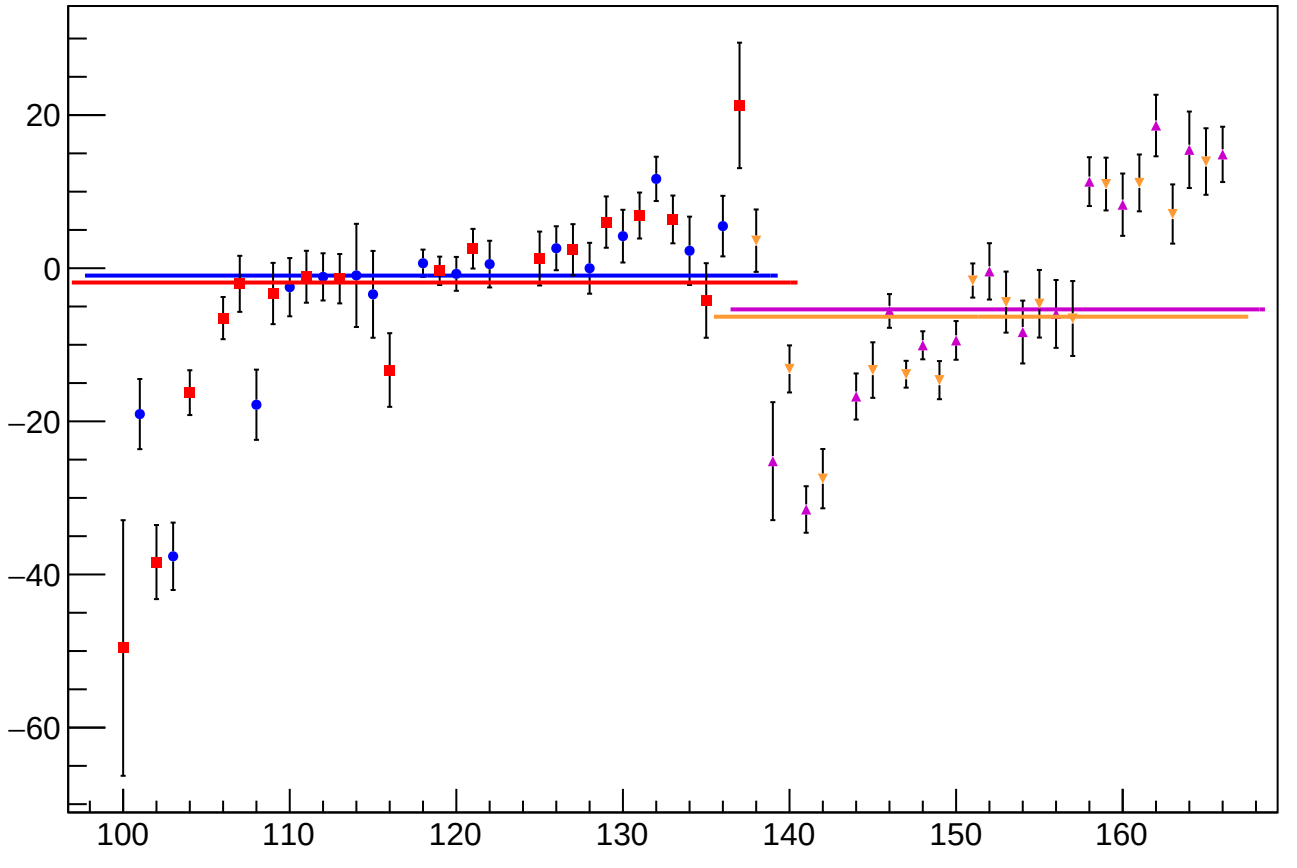
Left: 230.381+/-0.892 χ^2/NDF: 812.3/27

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.475+/-0.664 χ^2/NDF:6127.3/29

Out: 154.432+/-0.637 χ^2/NDF:8253.2/31

All: 159.725+/-0.460 χ^2/NDF: 14524.6/61



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -6.334+/-0.837 χ^2/NDF:159.9/13

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -5.377+/-0.840 χ^2/NDF:229.6/13

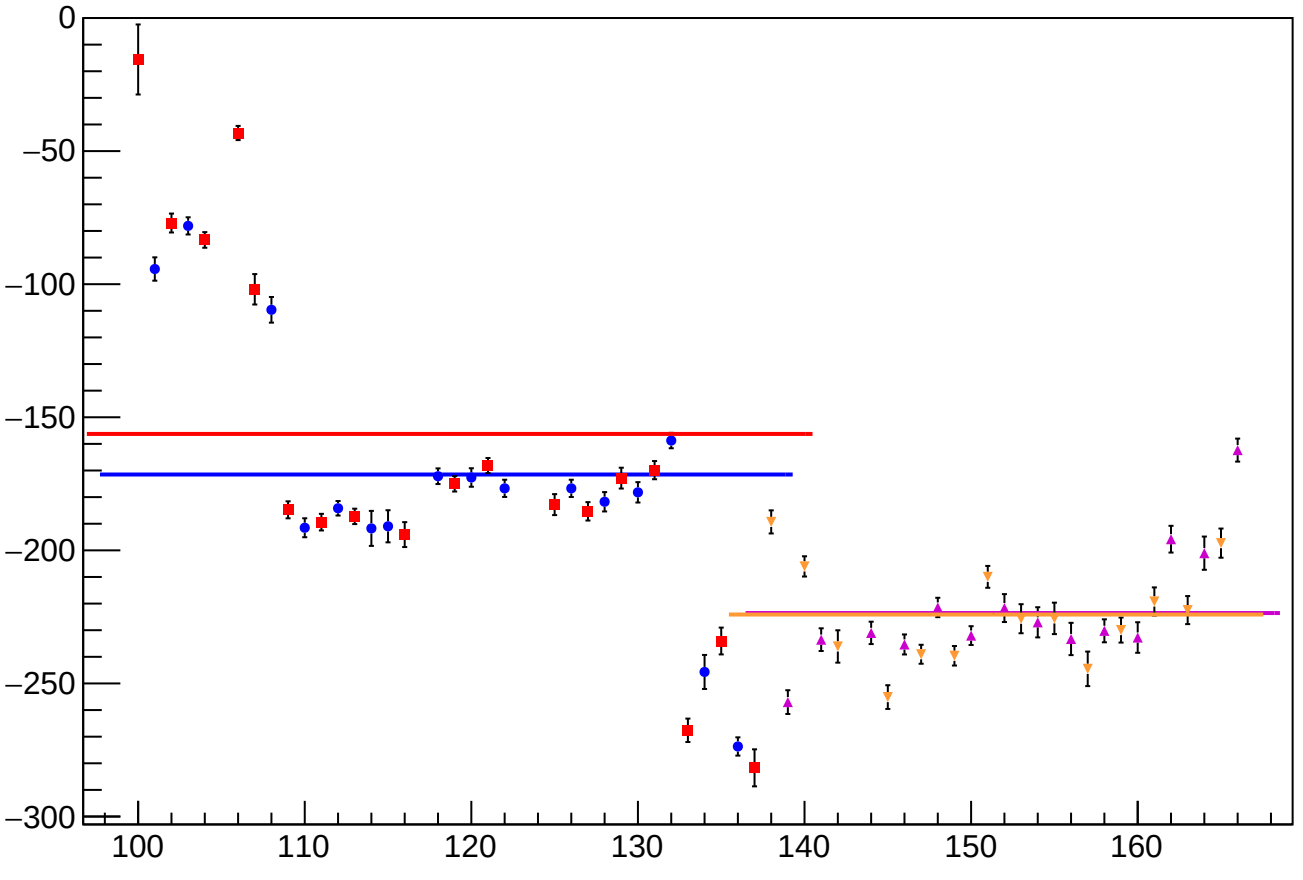
Left: -5.857+/-0.593 χ^2/NDF: 390.2/27

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.086+/-0.582 χ^2/NDF:370.0/29

Out: -3.956+/-0.572 χ^2/NDF:308.3/31

All: -3.528+/-0.408 χ^2/NDF: 679.4/61



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.111+/-1.242 χ^2/NDF:223.1/13

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -223.554+/-1.207 χ^2/NDF:332.8/13

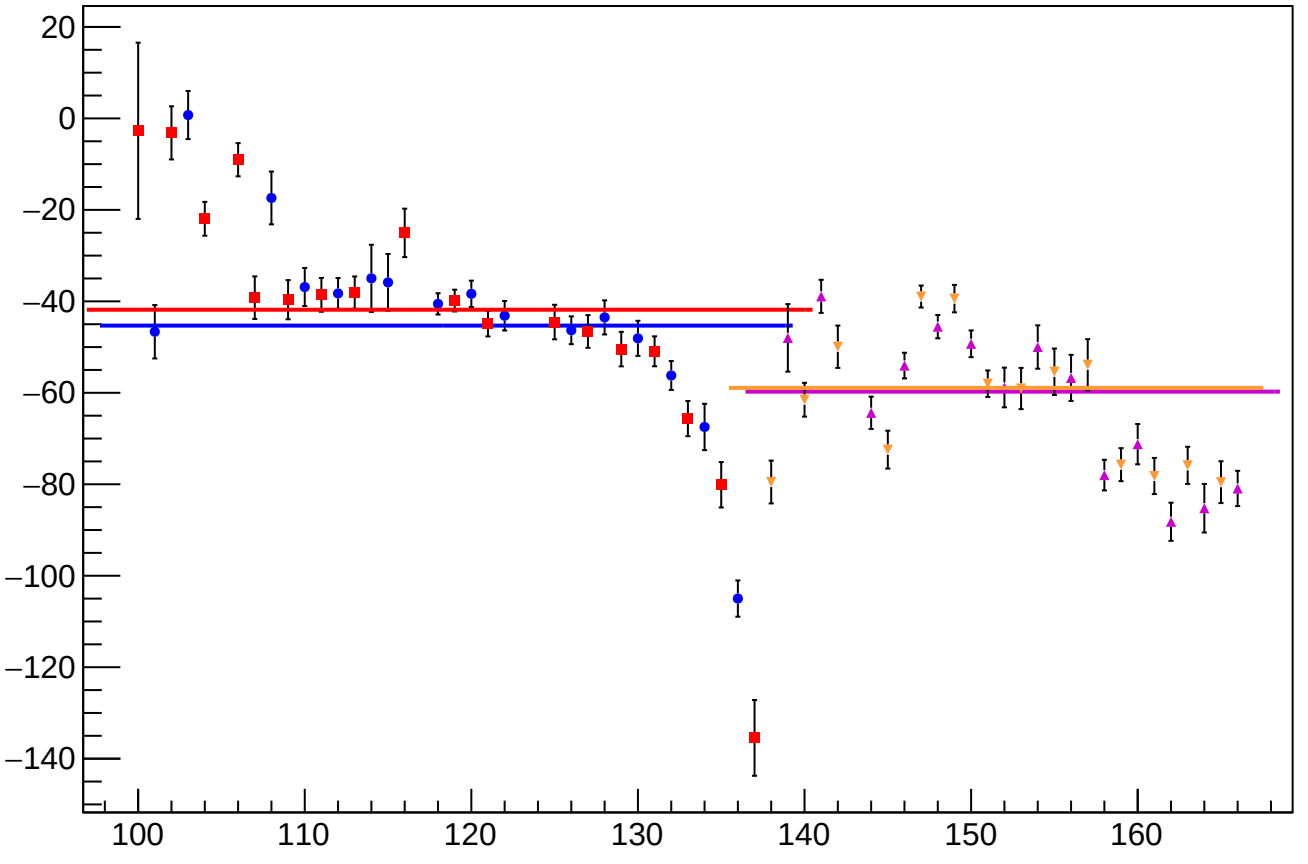
Left: -223.825+/-0.866 χ^2/NDF: 555.9/27

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.278+/-0.725 χ^2/NDF:3963.8/29

Out: -177.817+/-0.700 χ^2/NDF:7164.6/31

All: -183.828+/-0.504 χ^2/NDF: 11281.3/61



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -58.924+/-1.002 χ^2/NDF:230.0/13

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.745+/-0.995 χ^2/NDF:226.2/13

Left: -59.337+/-0.706 χ^2/NDF: 456.6/27

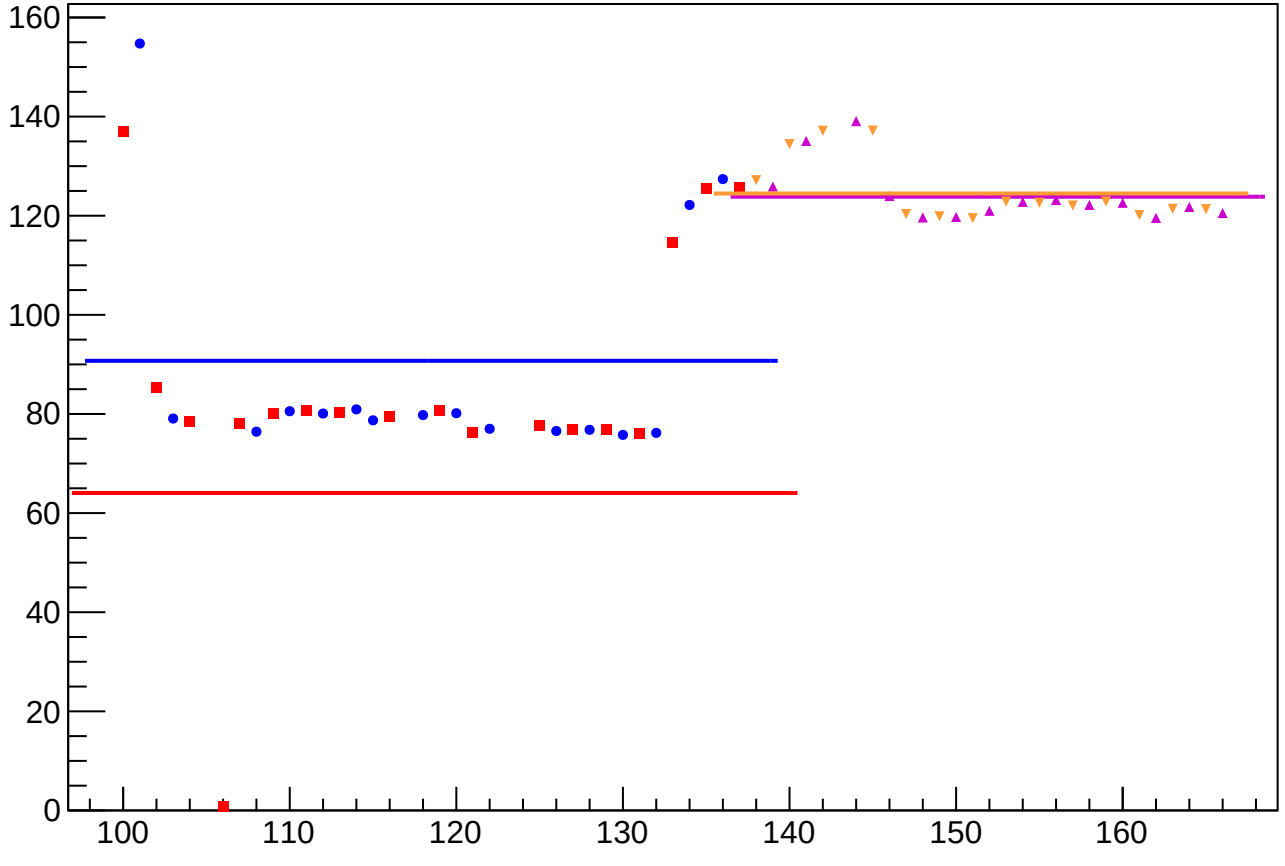
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.100+/-0.682 χ^2/NDF:719.9/29

Out: -49.551+/-0.673 χ^2/NDF:803.8/31

All: -50.809+/-0.479 χ^2/NDF: 1530.8/61

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.485+/-0.048 χ^2/NDF:15371.6/13

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 123.833+/-0.046 χ^2/NDF:13891.4/13

Left: 124.147+/-0.033 χ^2/NDF: 29357.7/27

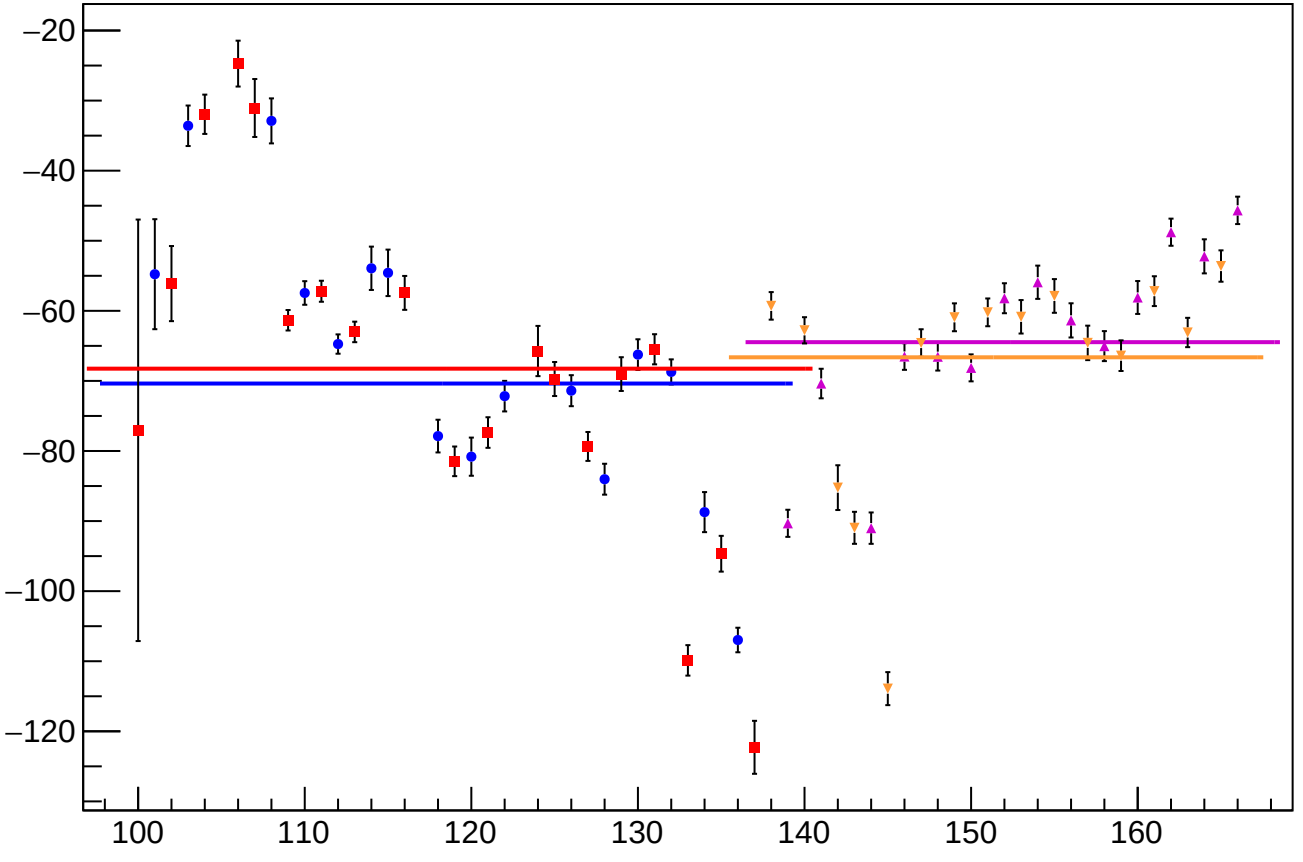
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.013+/-0.036 χ^2/NDF:371410.8/29

Out: 94.930+/-0.034 χ^2/NDF:1443938.1/31

All: 102.537+/-0.025 χ^2/NDF: 1918270.4/61

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -66.631+/-0.563 χ^2/NDF:664.4/14

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.470+/-0.563 χ^2/NDF:547.0/13

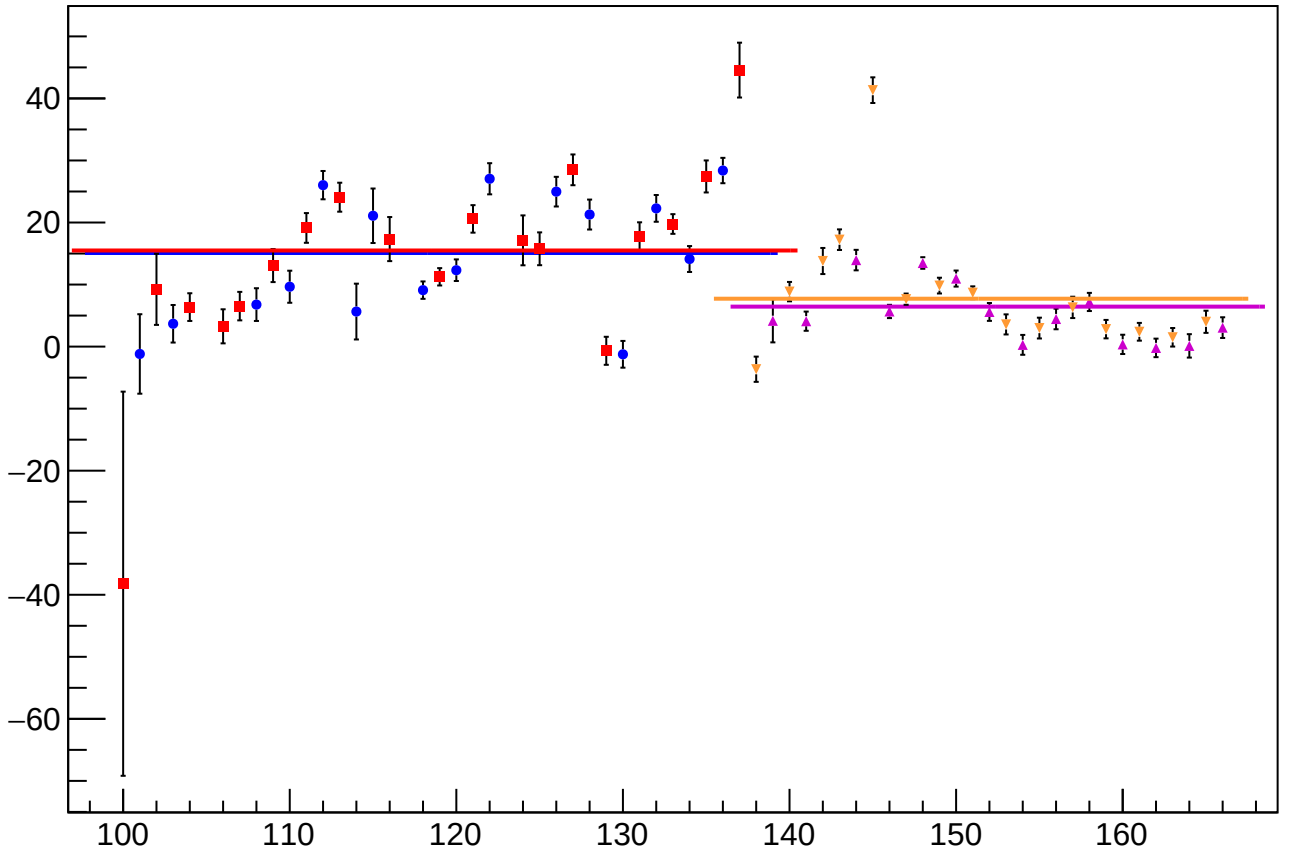
Left: -65.550+/-0.398 χ^2/NDF: 1218.7/28

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -67.449+/-0.396 χ^2/NDF:1577.4/29

Out: -67.496+/-0.385 χ^2/NDF:1974.7/33

All: -67.473+/-0.276 χ^2/NDF: 3552.1/63



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.720+/-0.377 χ^2/NDF:402.2/14

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.444+/-0.386 χ^2/NDF:160.4/13

Left: 7.097+/-0.270 χ^2/NDF: 568.2/28

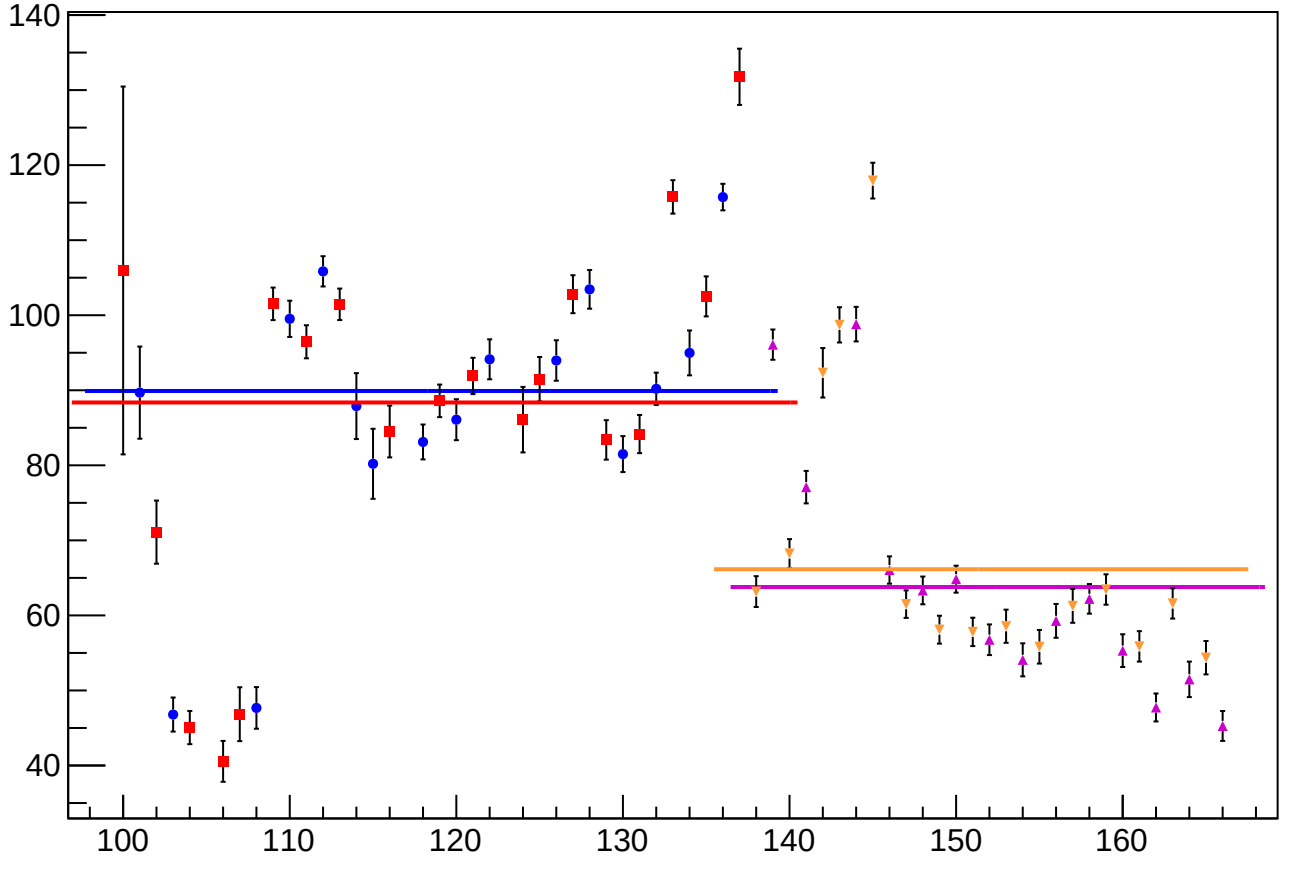
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 9.097+/-0.322 χ^2/NDF:556.5/29

Out: 10.155+/-0.312 χ^2/NDF:774.6/33

All: 9.641+/-0.224 χ^2/NDF: 1336.7/63

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 66.153+/-0.546 χ^2/NDF:873.9/14

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.782+/-0.544 χ^2/NDF:766.0/13

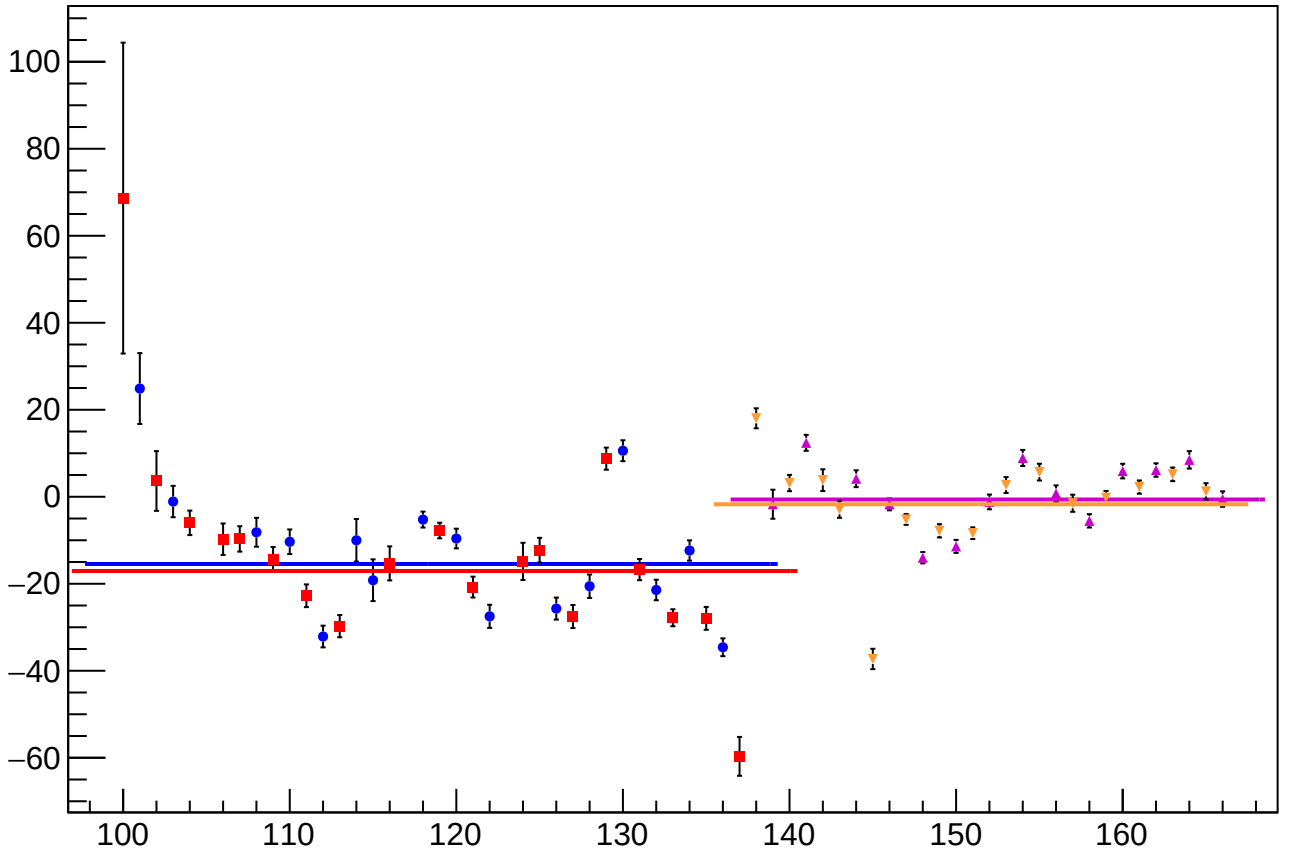
Left: 64.964+/-0.385 χ^2/NDF: 1649.3/28

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 74.723+/-0.415 χ^2/NDF:2680.1/29

Out: 75.897+/-0.409 χ^2/NDF:2890.1/33

All: 75.318+/-0.291 χ^2/NDF: 5574.2/63



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.729+/-0.444 χ^2/NDF:414.9/14

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.628+/-0.451 χ^2/NDF:308.1/13

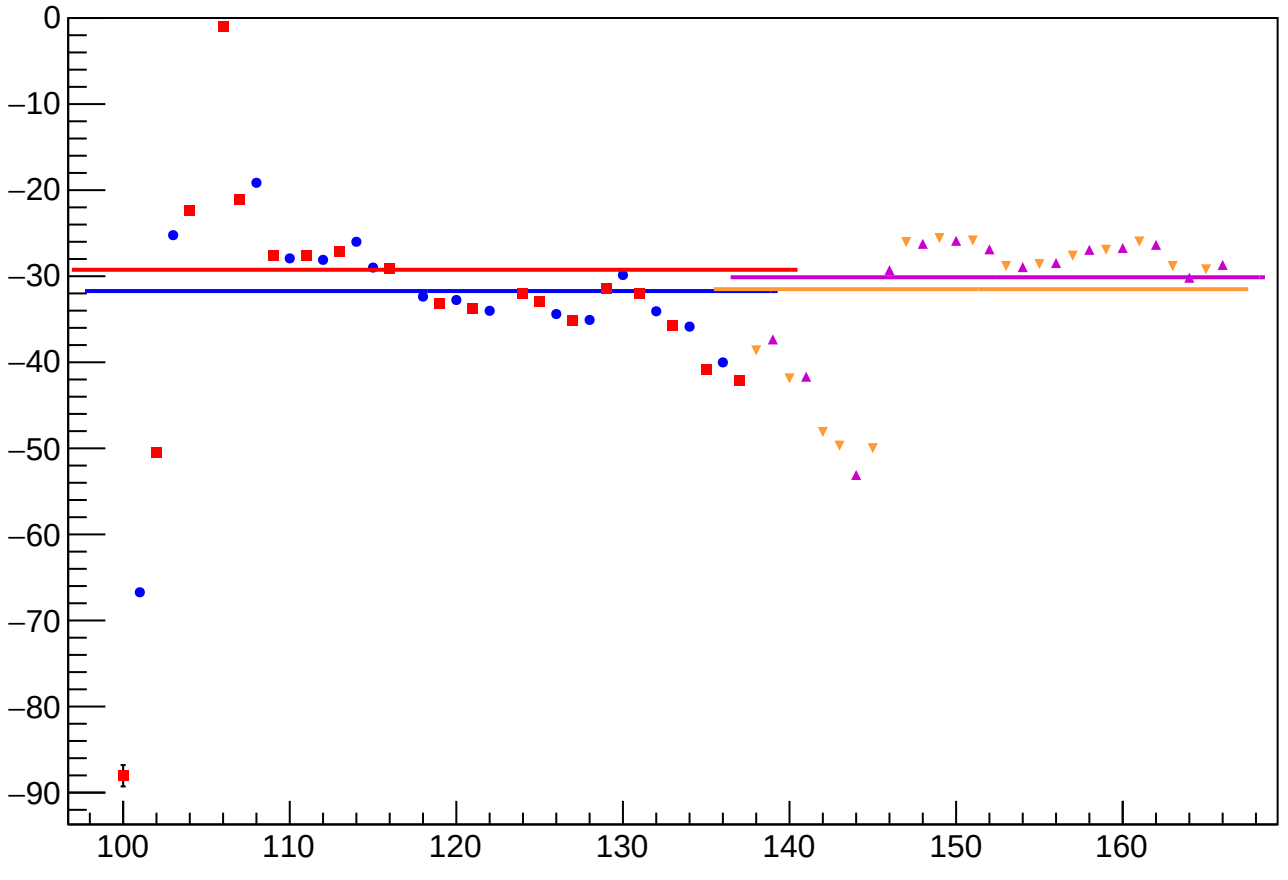
Left: -1.187+/-0.316 χ^2/NDF: 726.0/28

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.294+/-0.373 χ^2/NDF:1034.7/29

Out: -6.675+/-0.366 χ^2/NDF:1160.6/33

All: -5.999+/-0.261 χ^2/NDF: 2202.3/63



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.506+/-0.021 χ^2/NDF:144964.2/14

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.122+/-0.021 χ^2/NDF:93038.1/13

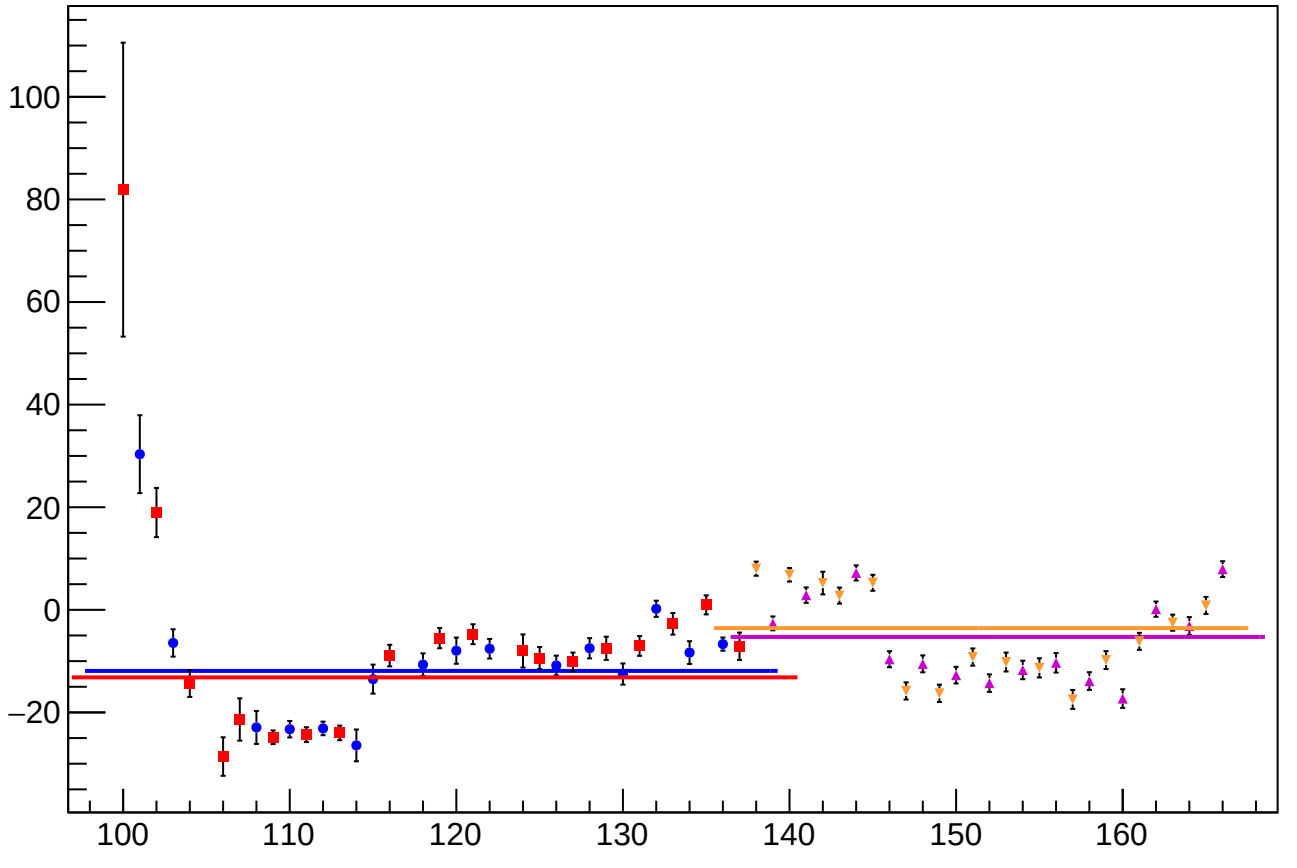
Left: -30.807+/-0.015 χ^2/NDF: 240250.9/28

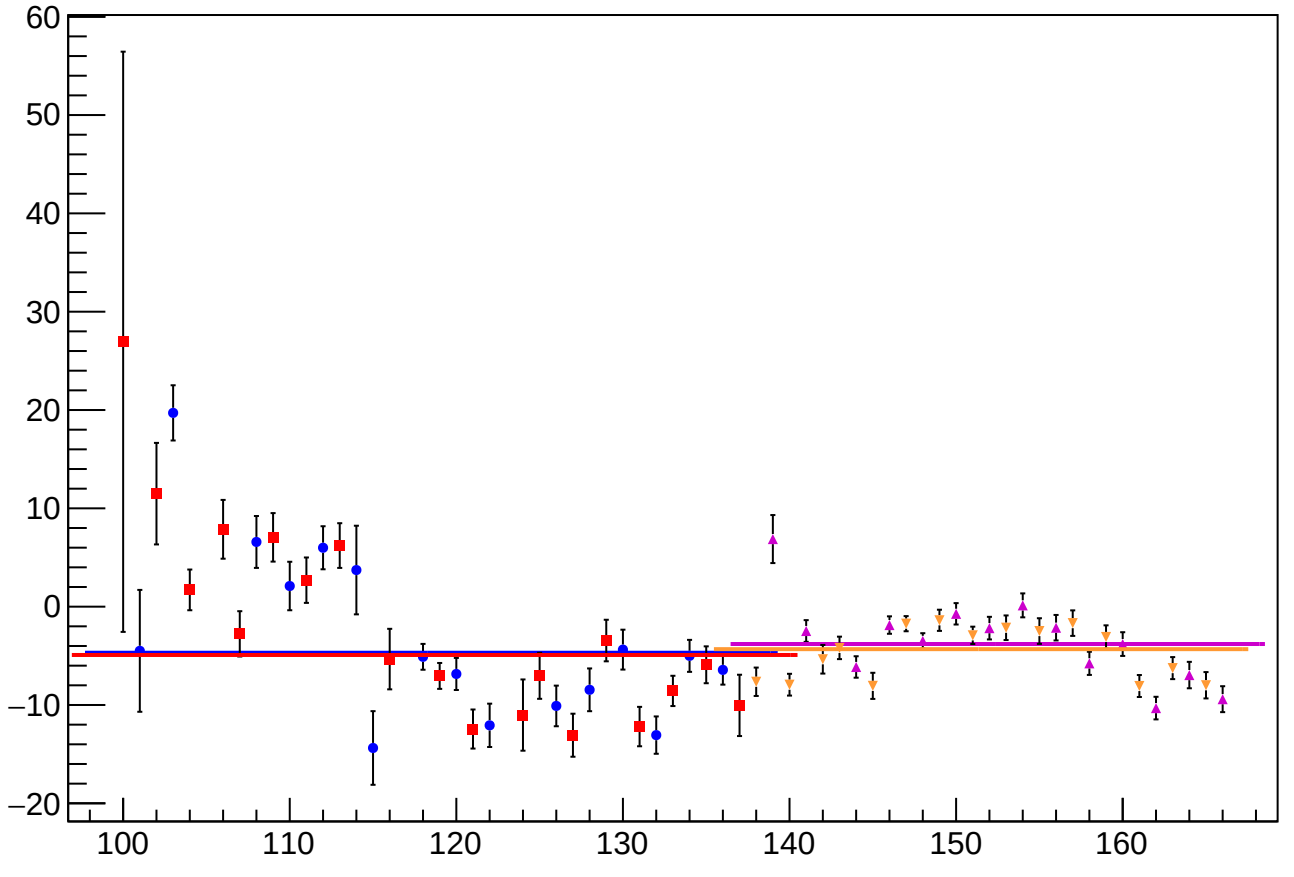
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.477+/-0.018 χ^2/NDF:134022.6/29

Out: -30.997+/-0.018 χ^2/NDF:242868.7/33

All: -30.735+/-0.013 χ^2/NDF: 377301.4/63


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.564+/-0.426 χ²/NDF:427.1/14
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.289+/-0.431 χ²/NDF:347.7/13
Left: -4.416+/-0.303 χ²/NDF: 782.8/28
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.135+/-0.326 χ²/NDF:730.9/29
Out: -7.795+/-0.319 χ²/NDF:1072.6/33
All: -7.961+/-0.228 χ²/NDF: 1804.0/63



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.322+/-0.293 χ^2/NDF:77.6/14

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.798+/-0.303 χ^2/NDF:110.6/13

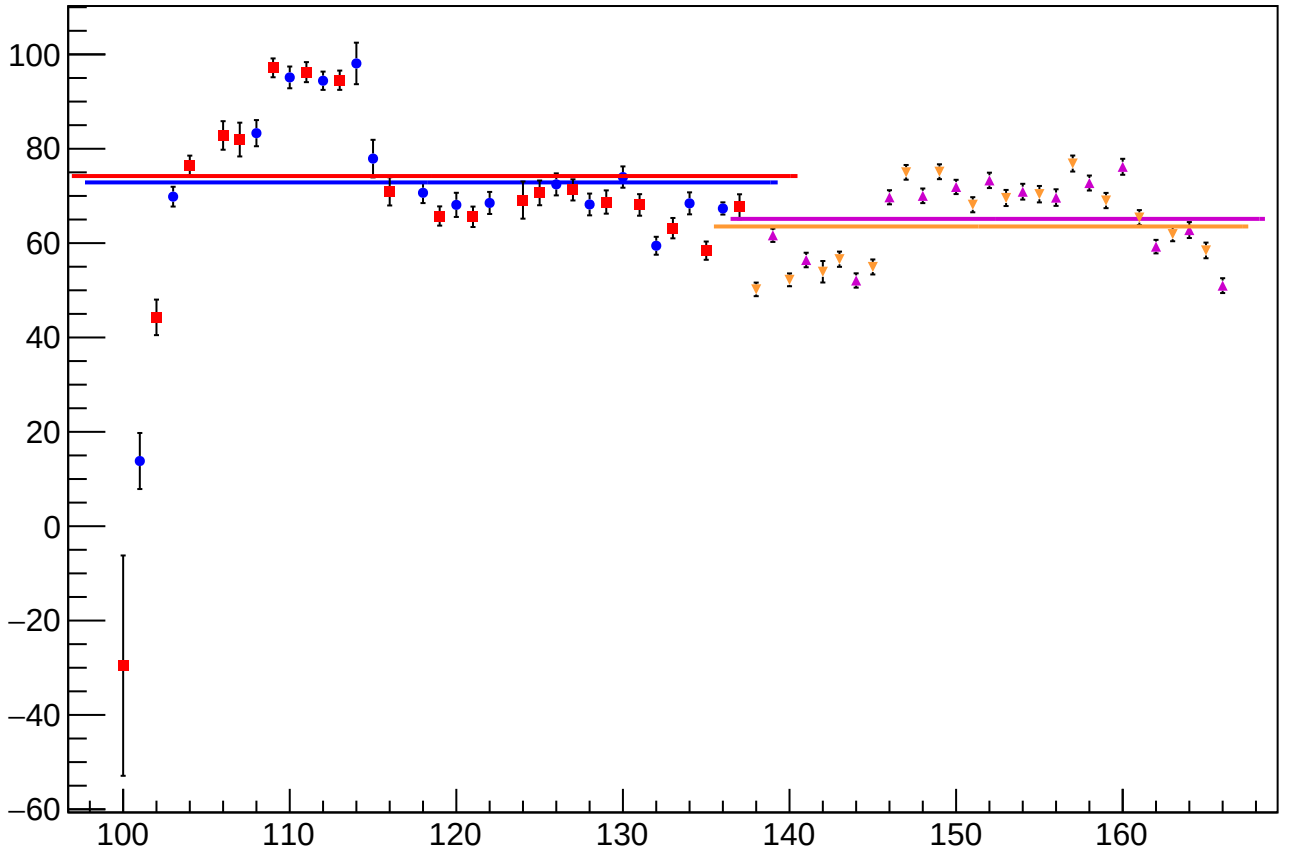
Left: -4.068+/-0.211 χ^2/NDF: 189.7/28

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.025+/-0.261 χ^2/NDF:291.8/29

Out: -4.468+/-0.255 χ^2/NDF:234.5/33

All: -4.252+/-0.182 χ^2/NDF: 527.8/63



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.528+/-0.415 χ^2/NDF:449.8/14

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.138+/-0.419 χ^2/NDF:360.0/13

Left: 64.326+/-0.295 χ^2/NDF: 817.2/28

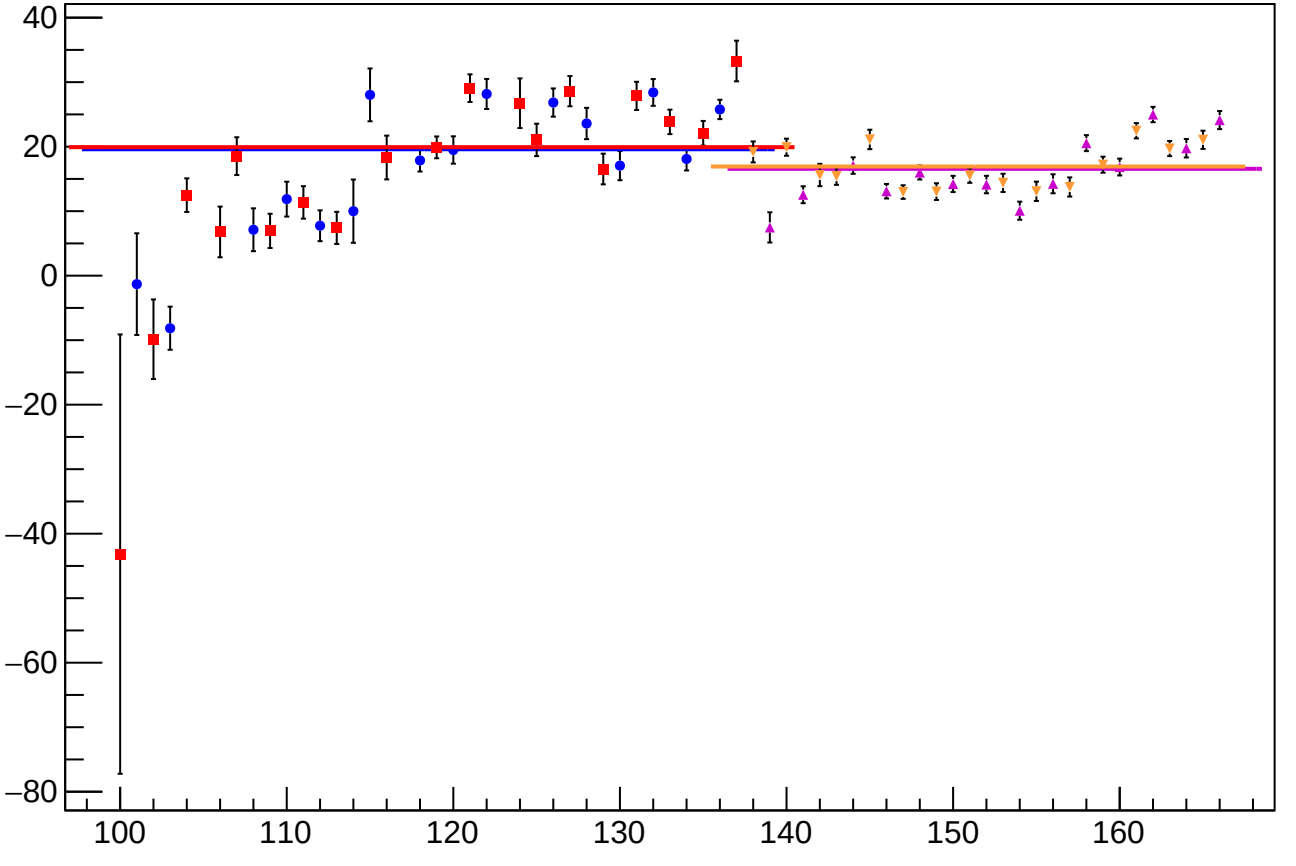
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.876+/-0.336 χ^2/NDF:931.4/29

Out: 67.301+/-0.334 χ^2/NDF:1269.8/33

All: 67.586+/-0.237 χ^2/NDF: 2202.7/63

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.920+/-0.343 χ^2/NDF:91.5/14

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.563+/-0.351 χ^2/NDF:159.2/13

Left: 16.746+/-0.245 χ^2/NDF: 251.2/28

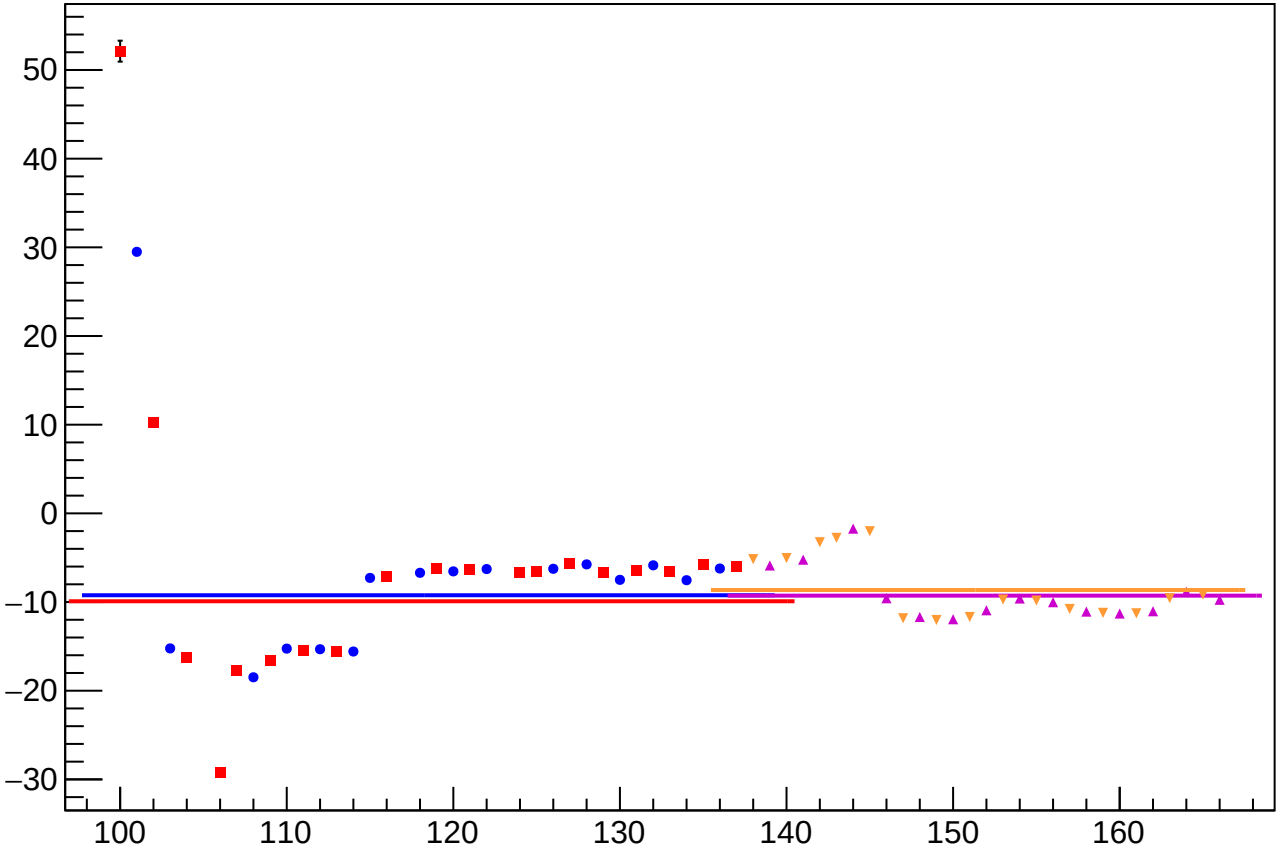
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.367+/-0.301 χ^2/NDF:374.9/29

Out: 17.686+/-0.296 χ^2/NDF:292.4/33

All: 17.529+/-0.211 χ^2/NDF: 667.9/63

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.645+/-0.016 χ^2/NDF:43610.6/14

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.278+/-0.016 χ^2/NDF:28930.7/13

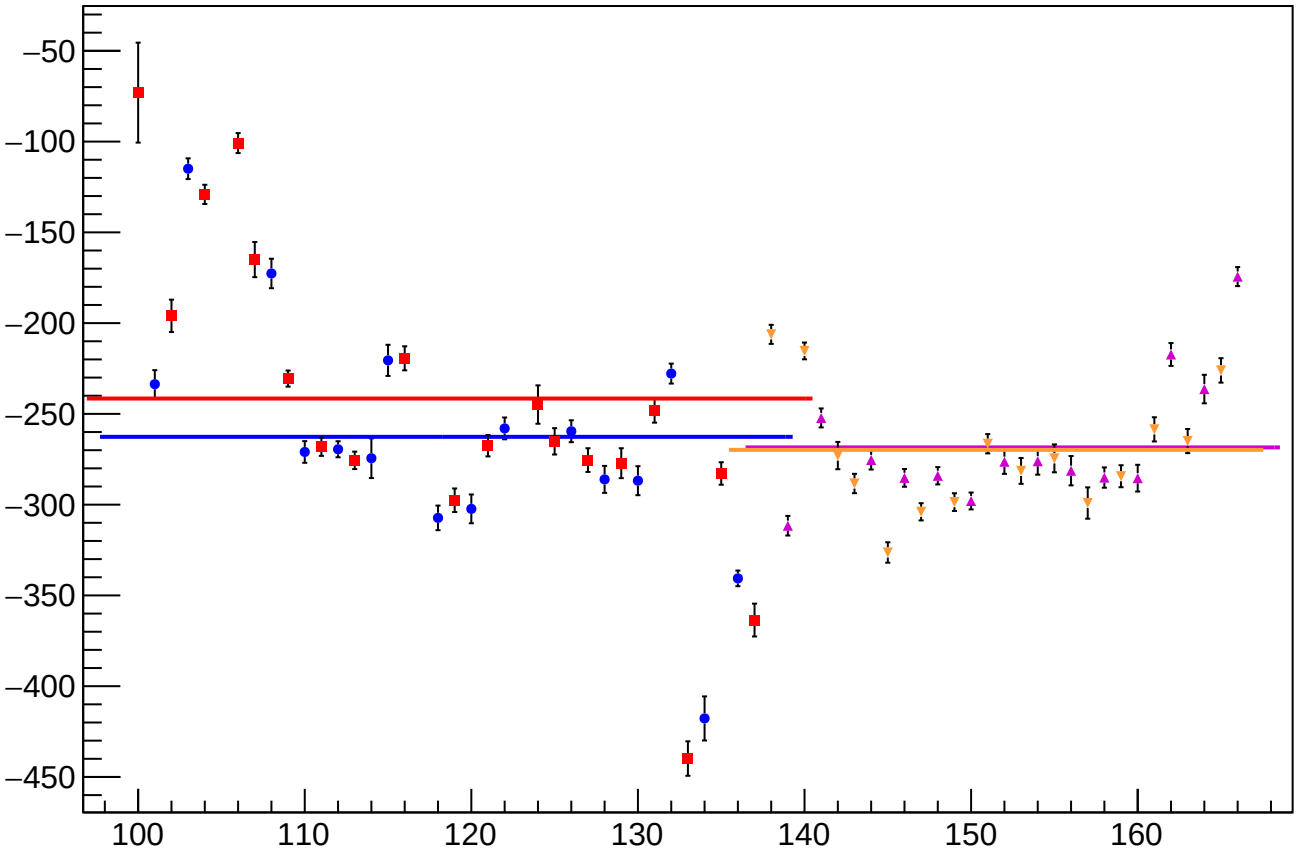
Left: -8.961+/-0.011 χ^2/NDF: 73344.7/28

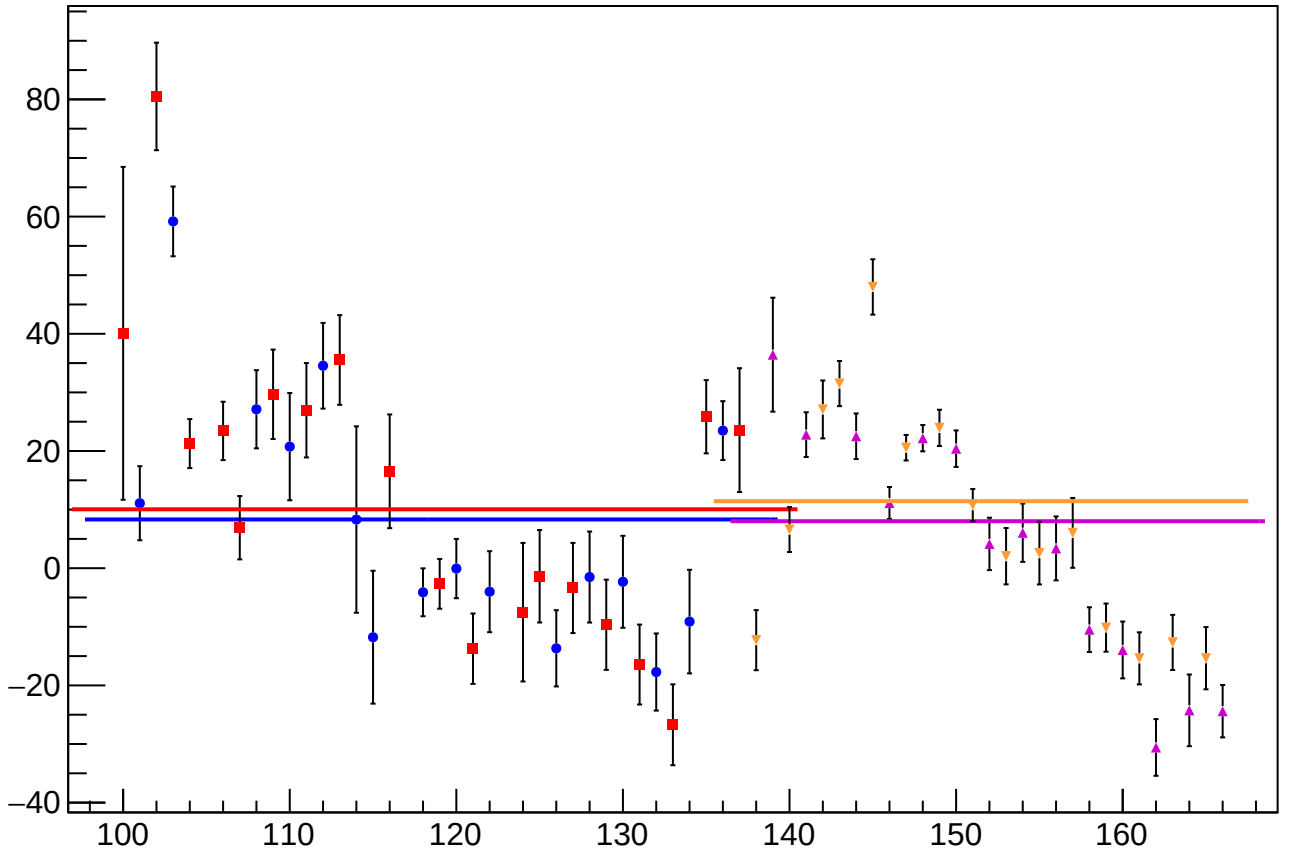
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.270+/-0.014 χ^2/NDF:60091.3/29

Out: -8.865+/-0.014 χ^2/NDF:98593.8/33

All: -9.069+/-0.010 χ^2/NDF: 159086.4/63


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
160
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -269.809+/-1.518 χ²/NDF:552.6/14
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -268.473+/-1.538 χ²/NDF:561.2/13
Left: -269.150+/-1.080 χ²/NDF: 1114.1/28
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -265.698+/-1.113 χ²/NDF:2022.3/29
Out: -255.569+/-1.069 χ²/NDF:2865.8/33
All: -260.428+/-0.771 χ²/NDF: 4931.2/63



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 11.435+/-0.998 χ^2/NDF:277.1/14

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 8.019+/-1.034 χ^2/NDF:284.1/13

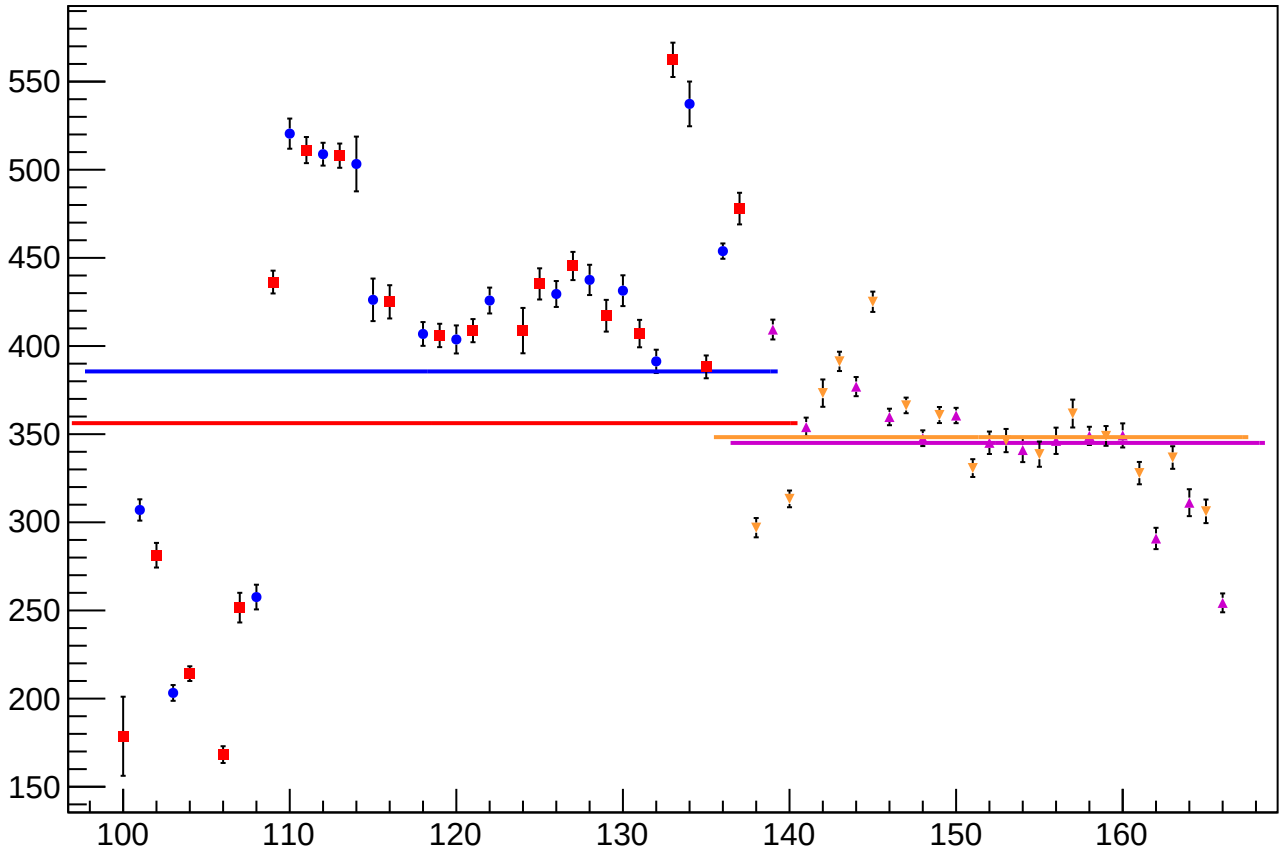
Left: 9.787+/-0.718 χ^2/NDF: 566.8/28

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 8.105+/-0.875 χ^2/NDF:441.8/29

Out: 11.025+/-0.838 χ^2/NDF:465.1/33

All: 9.629+/-0.605 χ^2/NDF: 912.6/63



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 348.317+/-1.477 χ^2/NDF:486.4/14

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 345.037+/-1.489 χ^2/NDF:579.6/13

Left: 346.691+/-1.049 χ^2/NDF: 1068.5/28

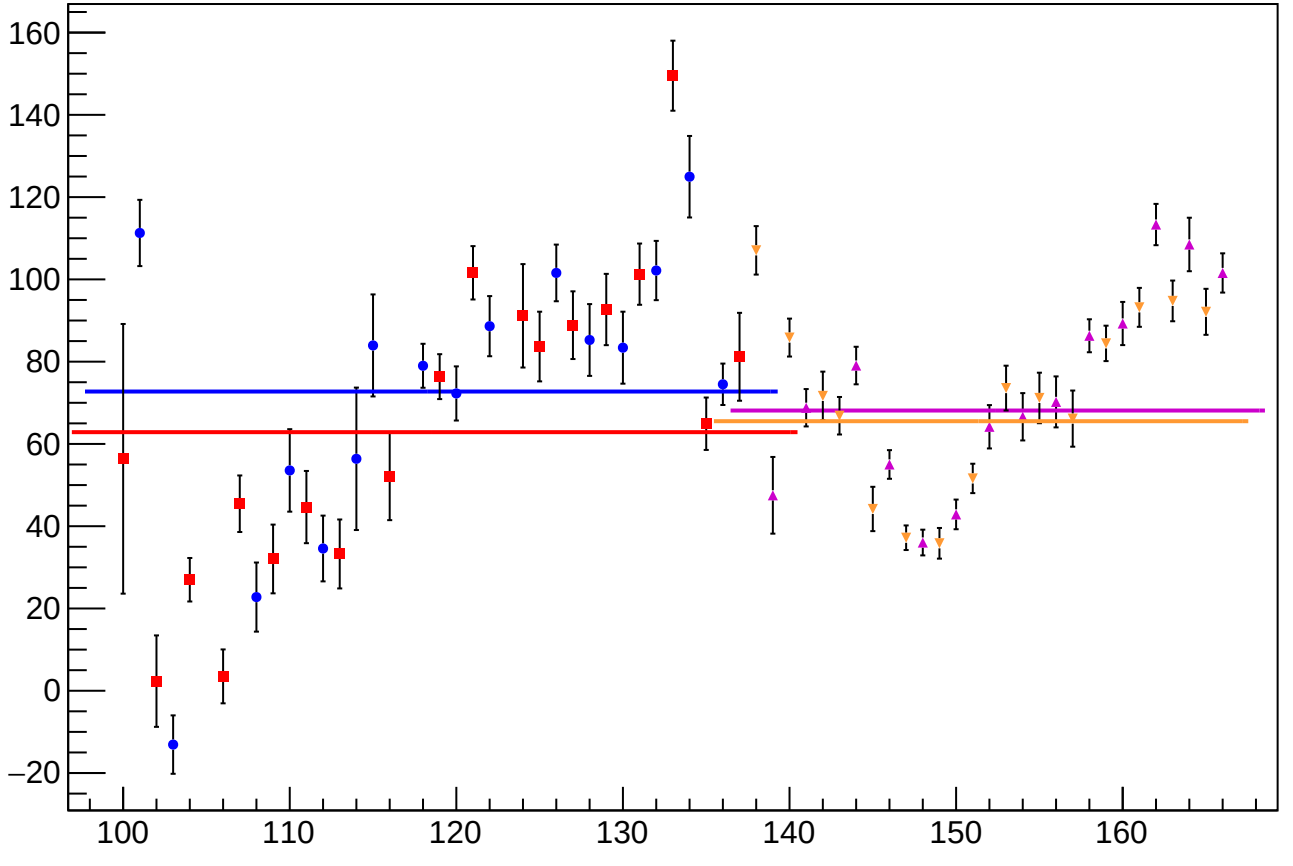
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 362.157+/-1.132 χ^2/NDF:4265.7/29

Out: 351.853+/-1.099 χ^2/NDF:5769.6/33

All: 356.855+/-0.789 χ^2/NDF: 10077.9/63

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 65.528+/-1.193 χ^2/NDF:368.4/14

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.122+/-1.224 χ^2/NDF:385.5/13

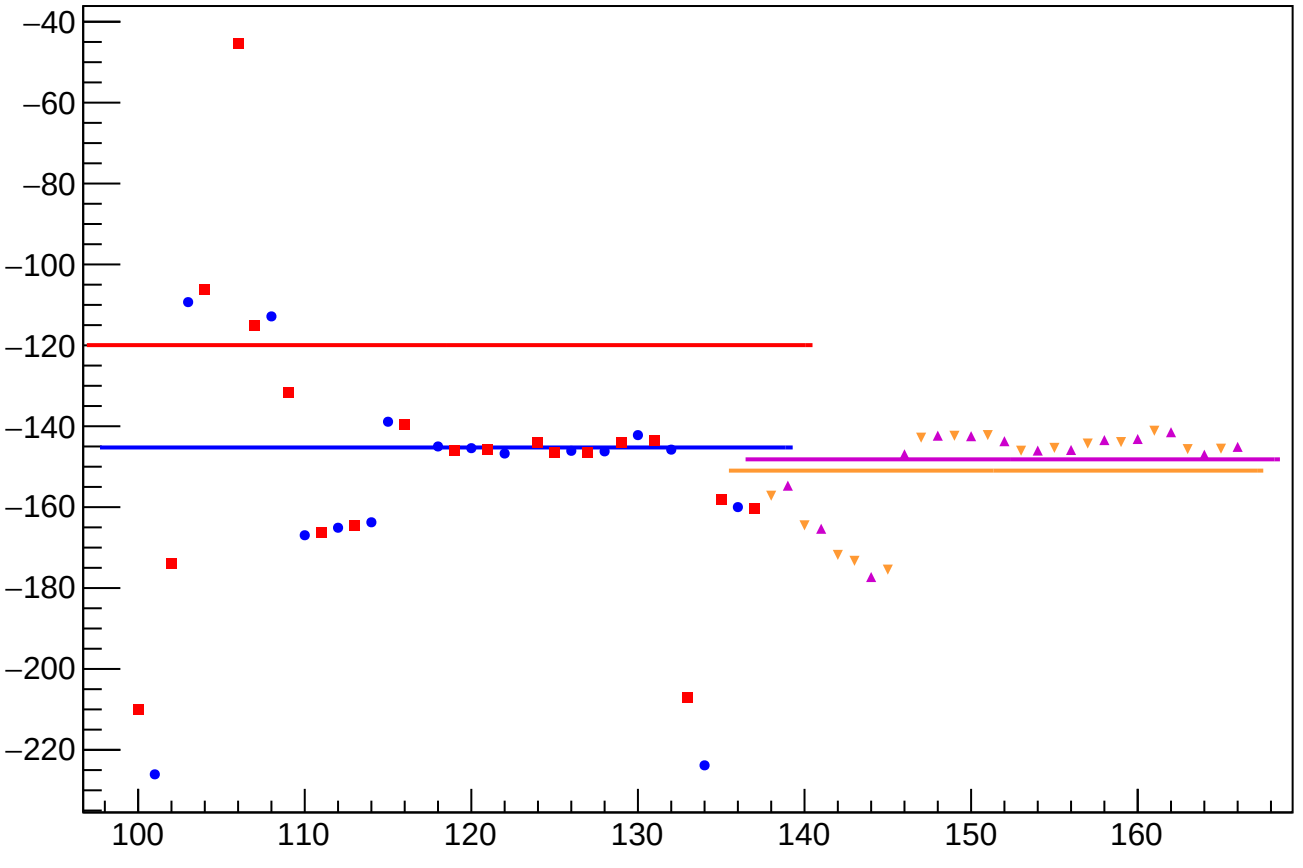
Left: 66.792+/-0.854 χ^2/NDF: 756.2/28

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.479+/-1.028 χ^2/NDF:694.0/29

Out: 64.711+/-0.994 χ^2/NDF:773.5/33

All: 67.013+/-0.715 χ^2/NDF: 1478.6/63



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.970+/-0.058 χ^2/NDF:41833.6/14

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.181+/-0.057 χ^2/NDF:26396.7/13

Left: -149.568+/-0.041 χ^2/NDF: 69412.0/28

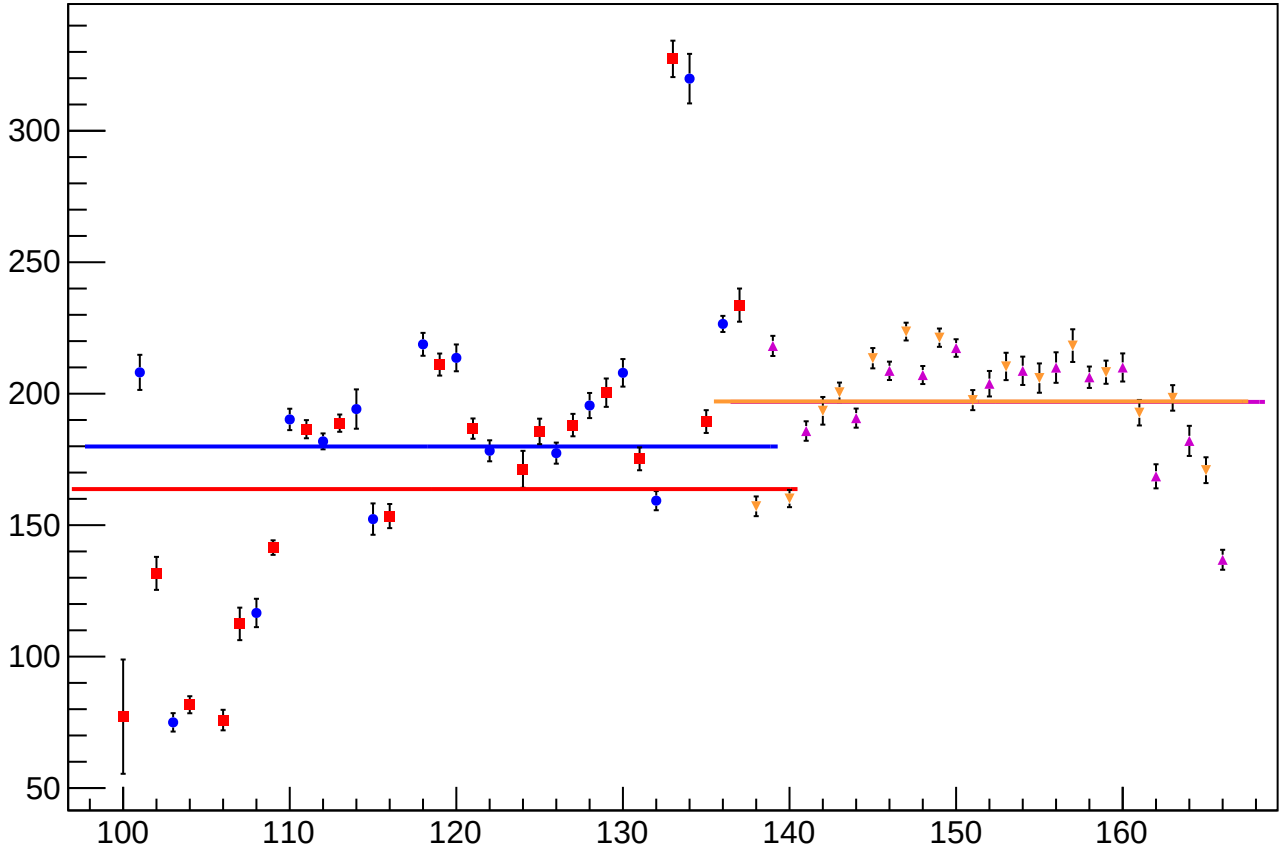
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.439+/-0.049 χ^2/NDF:159119.5/29

Out: -141.829+/-0.048 χ^2/NDF:397947.0/33

All: -144.568+/-0.035 χ^2/NDF: 563653.9/63

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 197.053+/-1.084 χ^2/NDF:426.3/14

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 196.879+/-1.102 χ^2/NDF:418.9/13

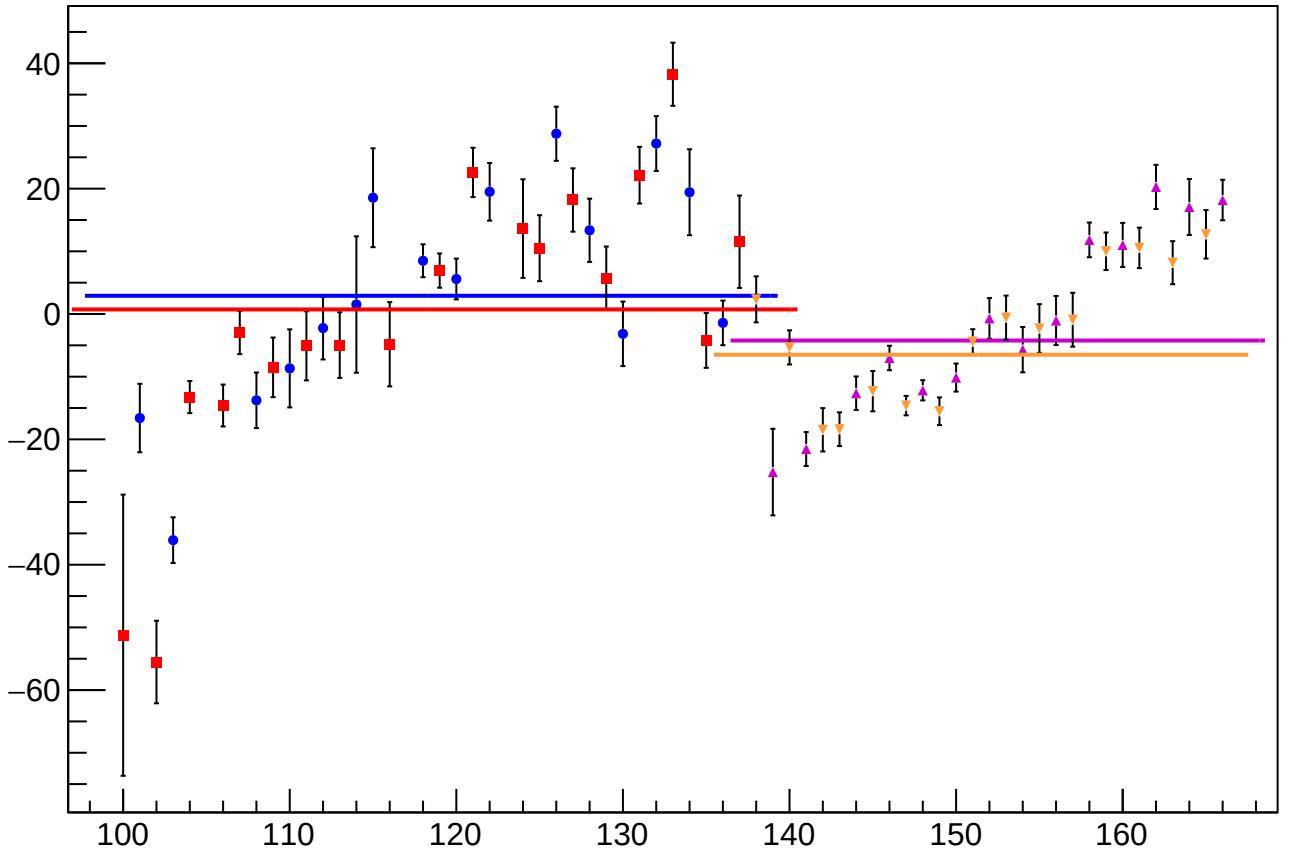
Left: 196.968+/-0.773 χ^2/NDF: 845.2/28

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.292+/-0.775 χ^2/NDF:2271.5/29

Out: 179.057+/-0.735 χ^2/NDF:3353.7/33

All: 183.435+/-0.533 χ^2/NDF: 5699.9/63



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -6.496+/-0.713 χ^2/NDF:192.8/14

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -4.232+/-0.742 χ^2/NDF:266.7/13

Left: -5.409+/-0.514 χ^2/NDF: 464.3/28

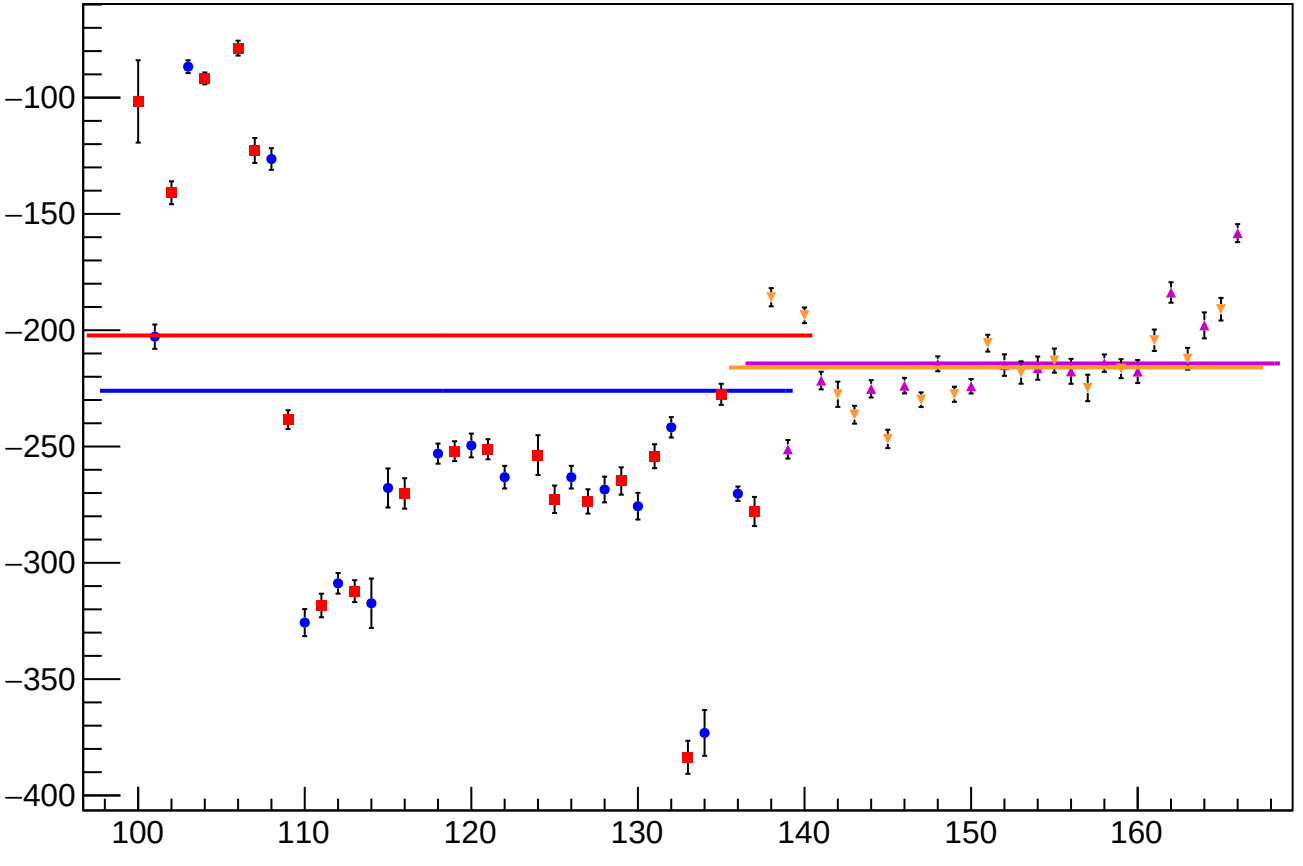
Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.013+/-0.616 χ^2/NDF:543.0/29

Out: -4.098+/-0.583 χ^2/NDF:500.4/33

All: -3.112+/-0.423 χ^2/NDF: 1049.4/63

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -216.007+/-1.056 χ^2/NDF:273.4/14

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.286+/-1.068 χ^2/NDF:382.8/13

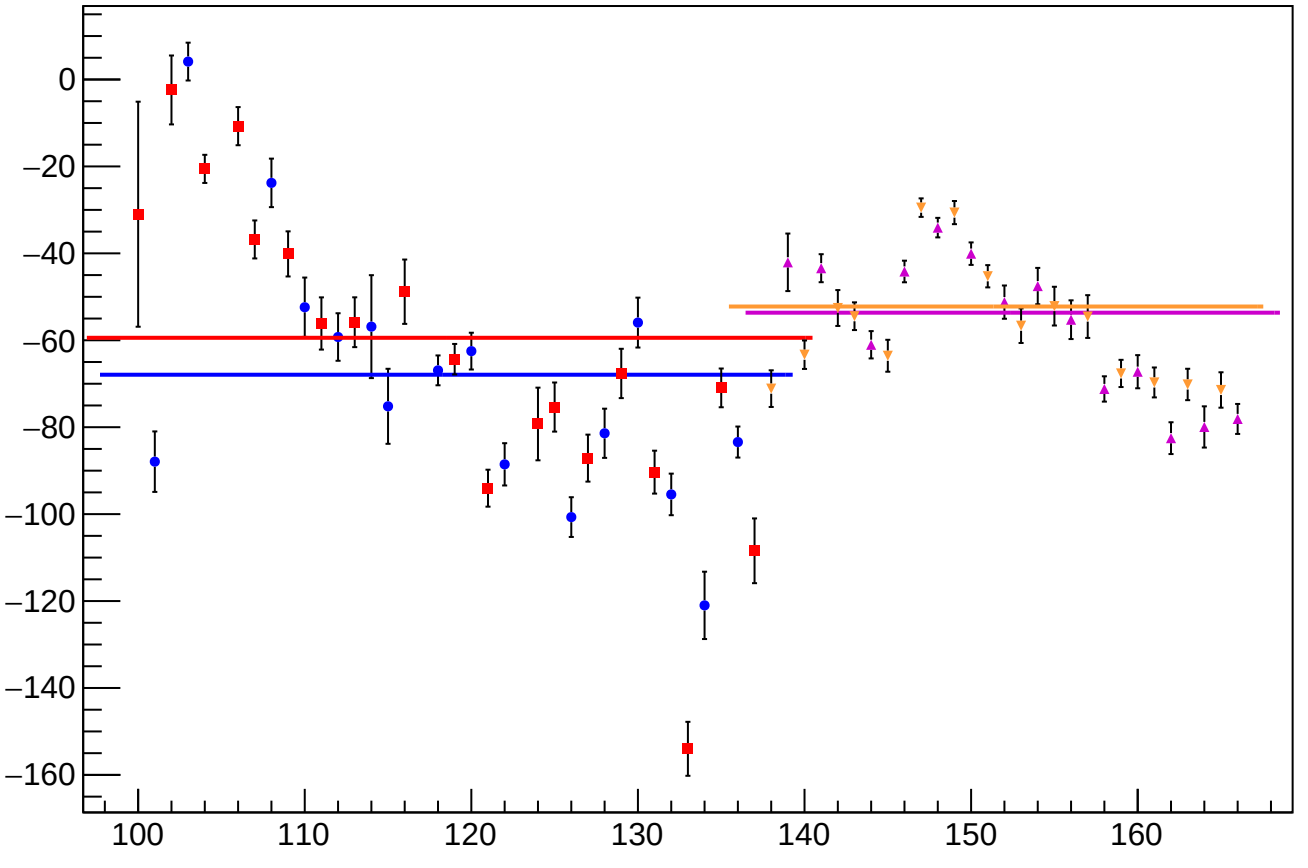
Left: -215.156+/-0.751 χ^2/NDF: 657.6/28

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -219.599+/-0.790 χ^2/NDF:4976.6/29

Out: -209.326+/-0.757 χ^2/NDF:7046.6/33

All: -214.244+/-0.547 χ^2/NDF: 12111.2/63



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -52.233+/-0.853 χ^2/NDF:327.1/14

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -53.653+/-0.879 χ^2/NDF:331.4/13

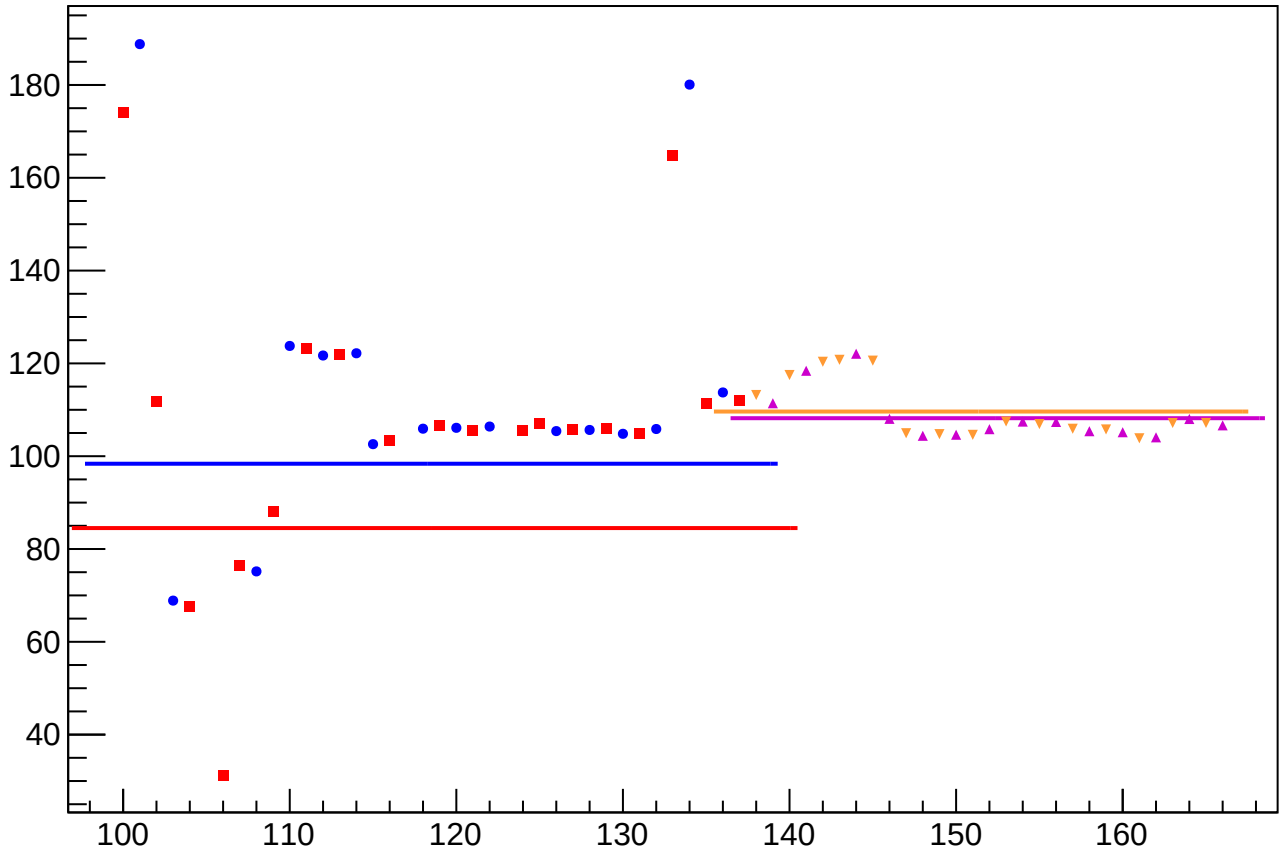
Left: -52.922+/-0.612 χ^2/NDF: 659.9/28

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.234+/-0.724 χ^2/NDF:950.2/29

Out: -54.693+/-0.692 χ^2/NDF:1146.3/33

All: -56.384+/-0.500 χ^2/NDF: 2108.9/63



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.625+/-0.041 χ^2/NDF:22164.8/14

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.189+/-0.041 χ^2/NDF:15084.6/13

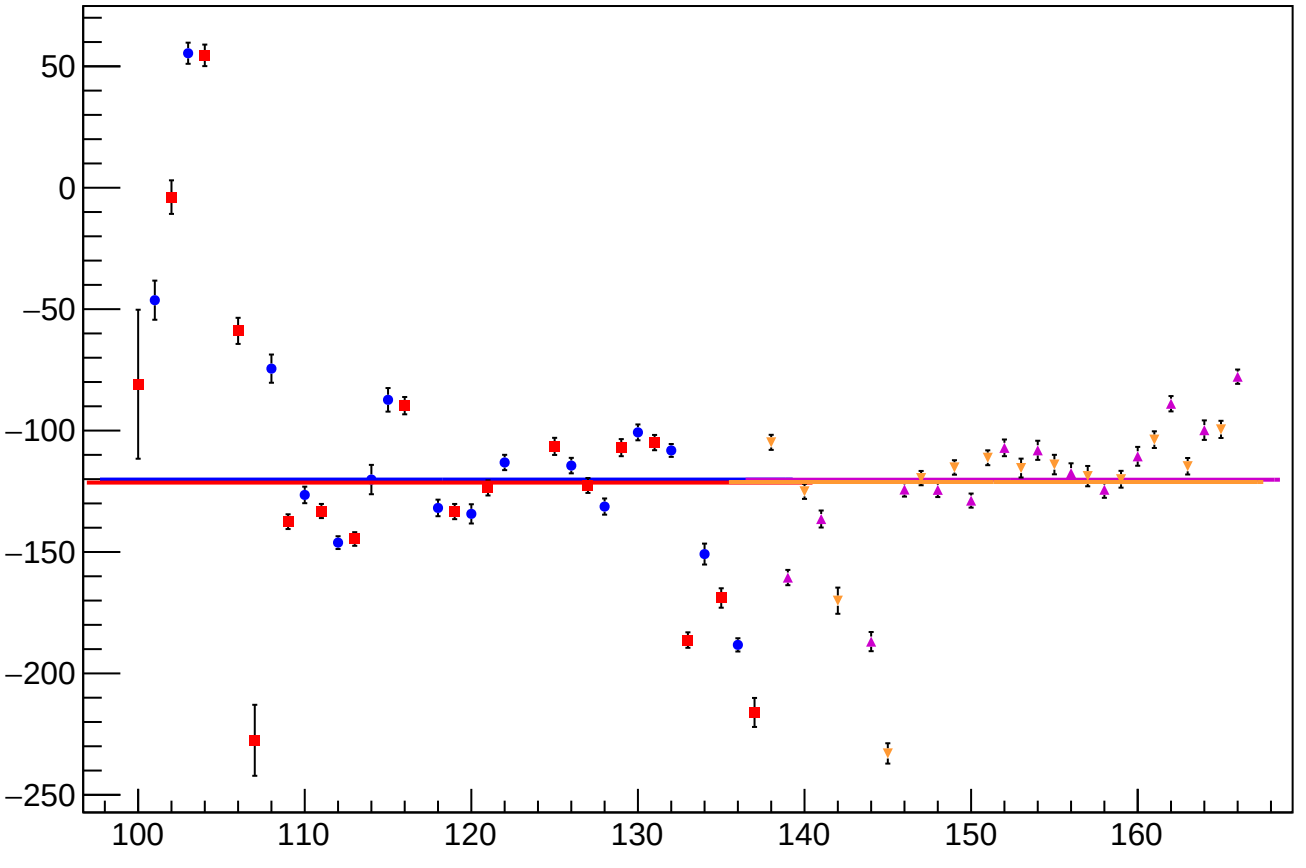
Left: 108.906+/-0.029 χ^2/NDF: 37858.2/28

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.450+/-0.035 χ^2/NDF:259417.6/29

Out: 101.694+/-0.034 χ^2/NDF:408455.5/33

All: 103.527+/-0.024 χ^2/NDF: 673805.7/63



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -121.176+/-0.931 χ^2/NDF:911.9/13

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -120.235+/-0.898 χ^2/NDF:846.1/13

Left: -120.689+/-0.647 χ^2/NDF: 1758.5/27

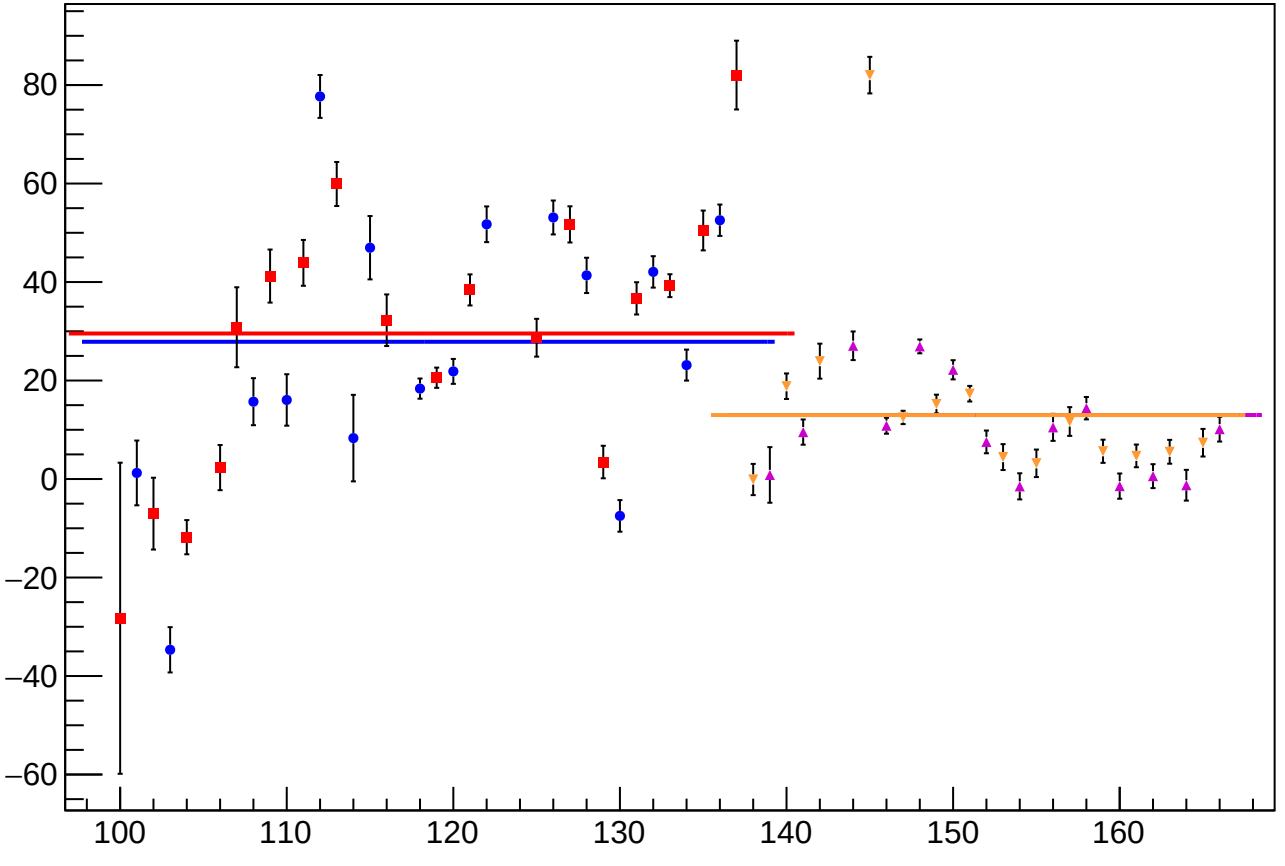
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -120.206+/-0.632 χ^2/NDF:3537.3/29

Out: -121.305+/-0.638 χ^2/NDF:4038.3/31

All: -120.751+/-0.449 χ^2/NDF: 7577.1/61

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.991+/-0.611 χ^2/NDF:445.3/13

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.999+/-0.610 χ^2/NDF:268.2/13

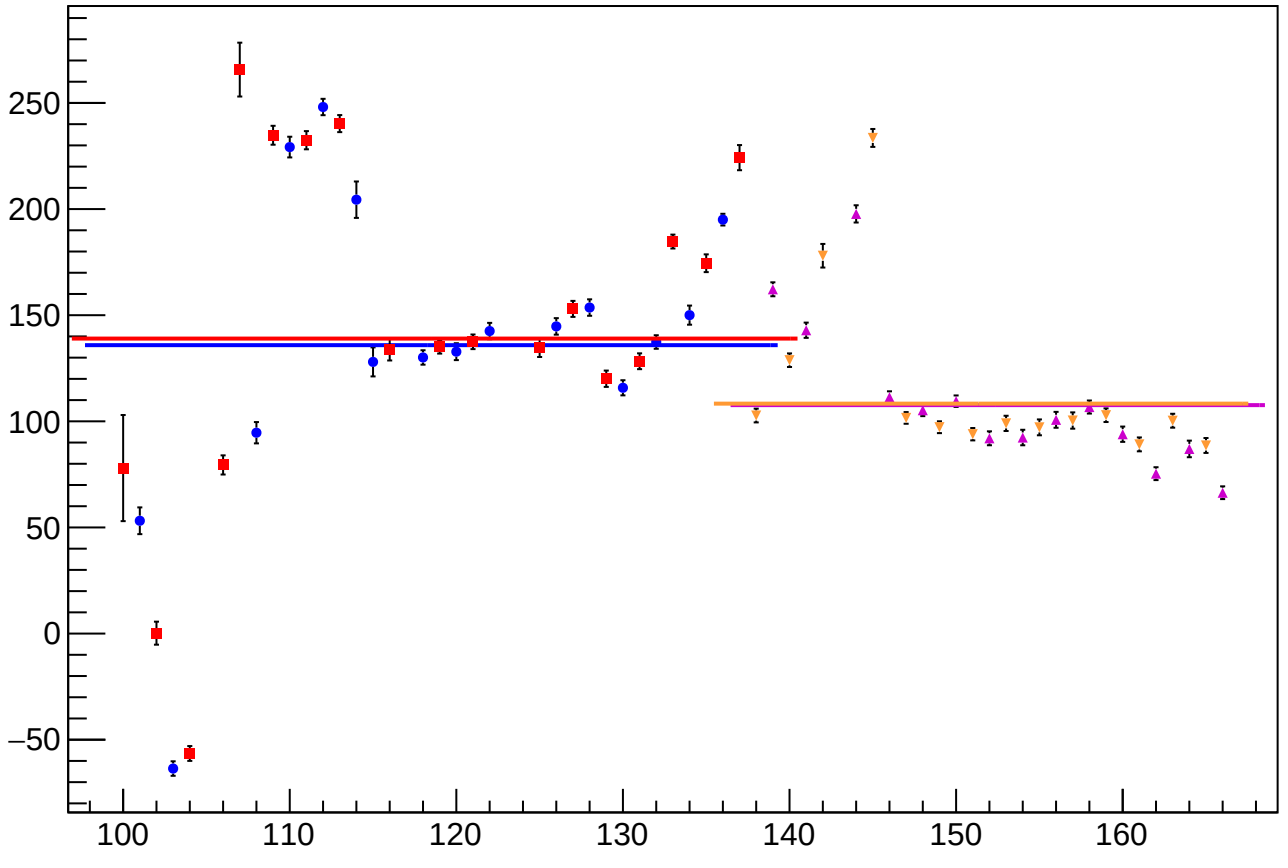
Left: 12.995+/-0.432 χ^2/NDF: 713.5/27

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.766+/-0.503 χ^2/NDF:1158.4/29

Out: 18.303+/-0.504 χ^2/NDF:1178.1/31

All: 18.034+/-0.356 χ^2/NDF: 2337.1/61



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 108.330+/-0.897 χ^2/NDF:1221.8/13

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 107.629+/-0.867 χ^2/NDF:1254.6/13

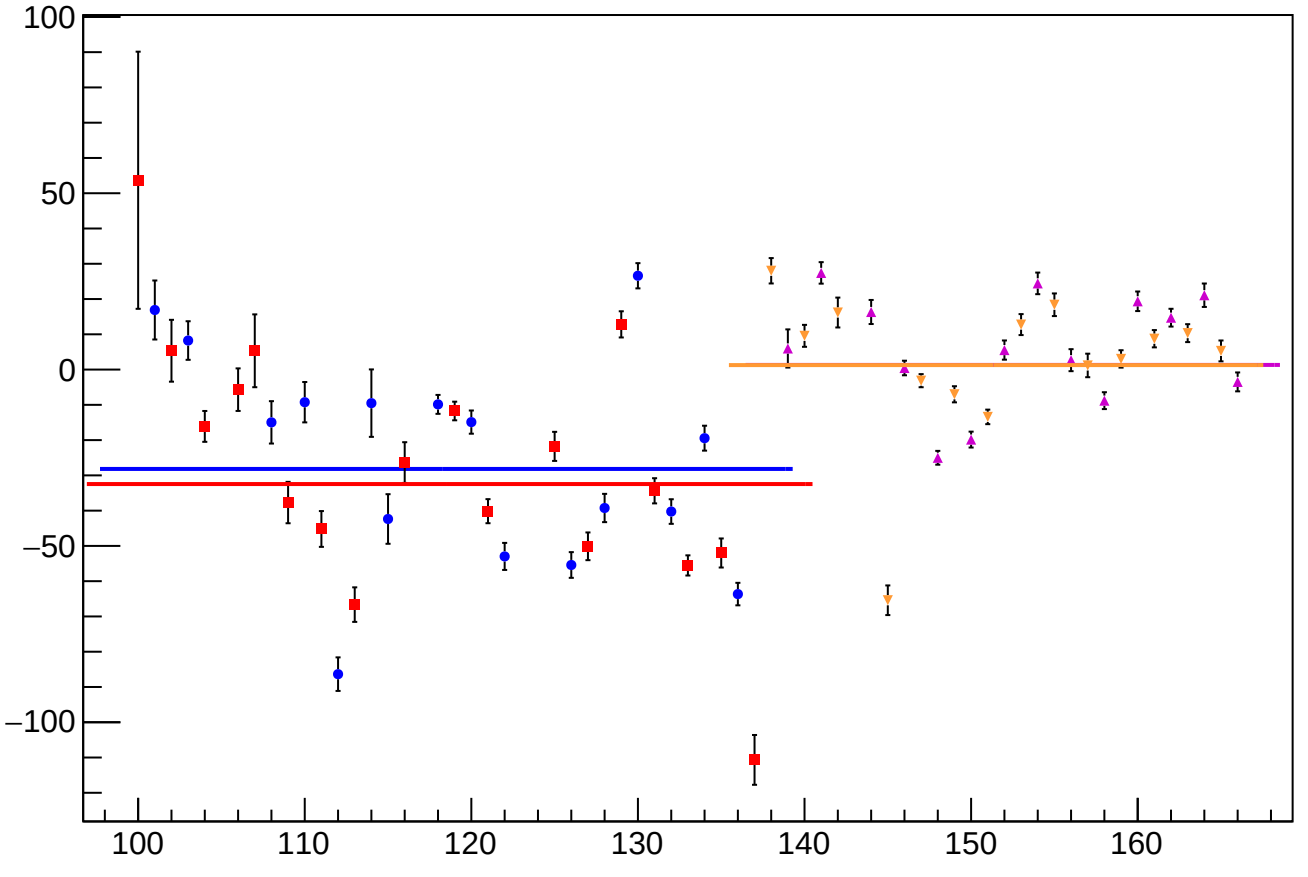
Left: 107.968+/-0.623 χ^2/NDF: 2476.7/27

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 119.772+/-0.655 χ^2/NDF:7174.8/29

Out: 122.029+/-0.667 χ^2/NDF:7899.8/31

All: 120.879+/-0.467 χ^2/NDF: 15080.4/61



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.272+/-0.724 χ^2/NDF:463.7/13

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.318+/-0.715 χ^2/NDF:549.0/13

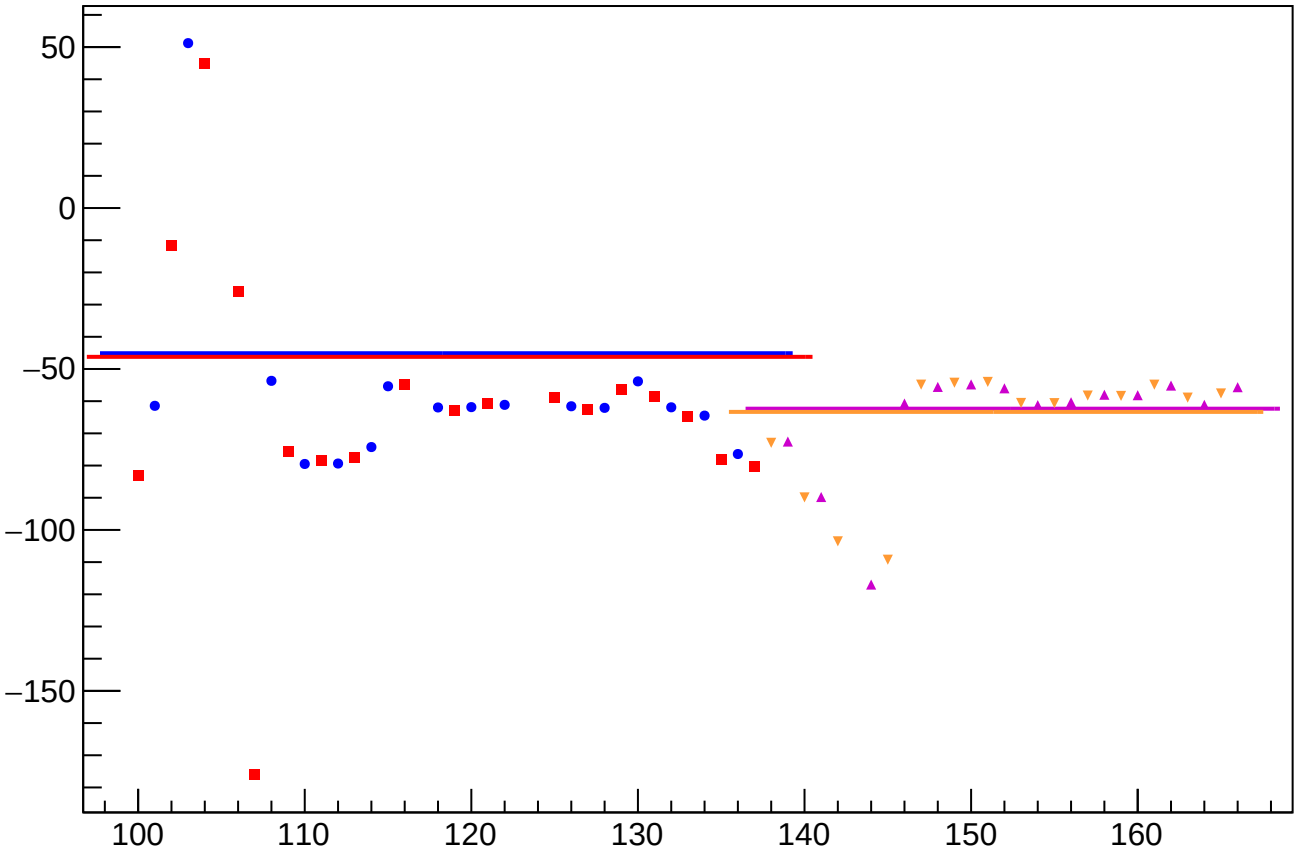
Left: 1.295+/-0.509 χ^2/NDF: 1012.7/27

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

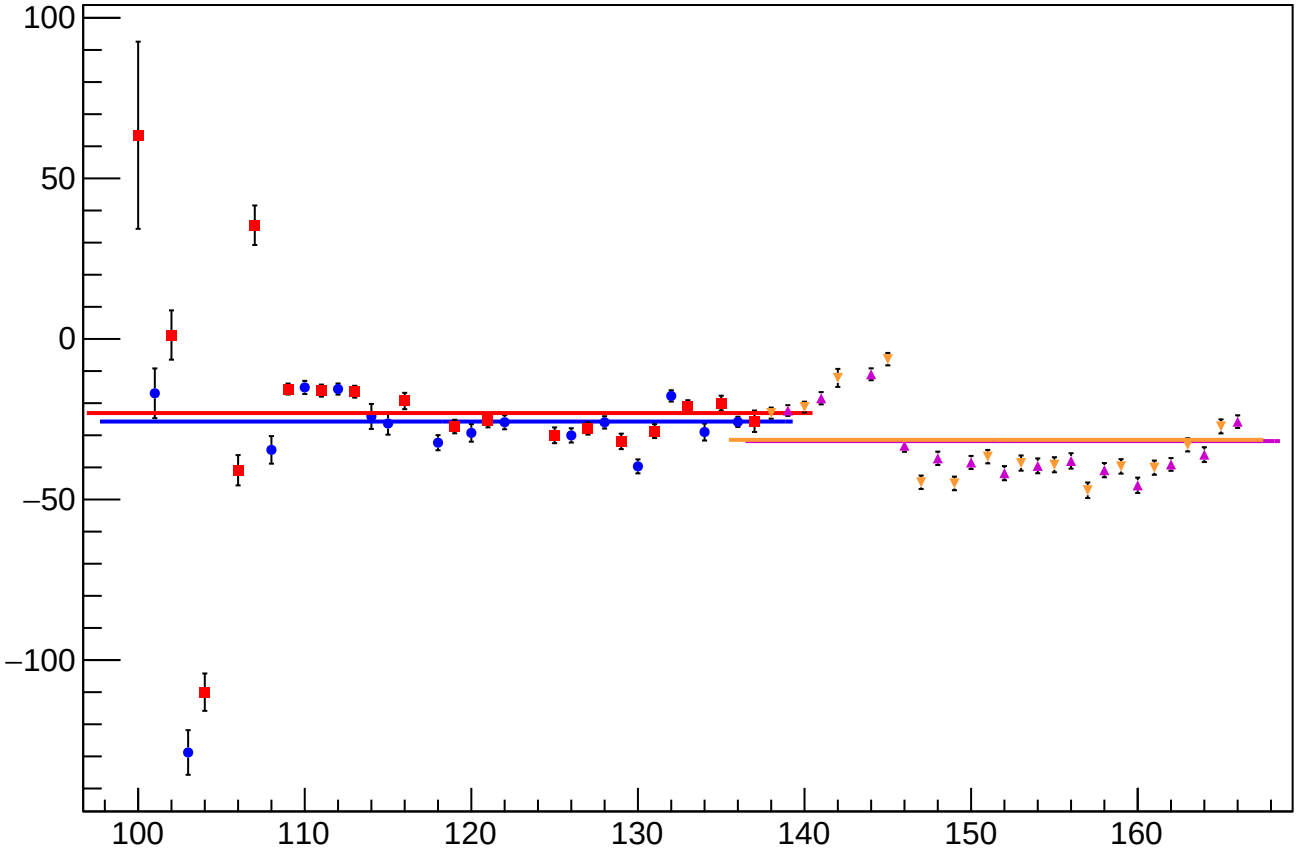
In: -8.373+/-0.586 χ^2/NDF:1899.1/29

Out: -9.915+/-0.592 χ^2/NDF:1765.0/31

All: -9.136+/-0.416 χ^2/NDF: 3667.5/61


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -45.106+/-0.060 χ²/NDF: 575184.2/15
Left Out: -63.328+/-0.034 χ²/NDF:178353.9/13
Right Out: -46.229+/-0.063 χ²/NDF: 493616.3/17
Left In: -62.335+/-0.033 χ²/NDF:153608.1/13
Left: -62.813+/-0.024 χ²/NDF: 332402.3/27
Right: -45.645+/-0.043 χ²/NDF: 1068967.9/33
In: -58.383+/-0.029 χ²/NDF:792051.1/29
Out: -59.419+/-0.030 χ²/NDF:729546.0/31
All: -58.881+/-0.021 χ²/NDF: 1522219.3/61

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.422+/-0.565 χ^2/NDF:457.4/13

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -31.811+/-0.550 χ^2/NDF:338.7/13

Left: -31.622+/-0.394 χ^2/NDF: 796.3/27

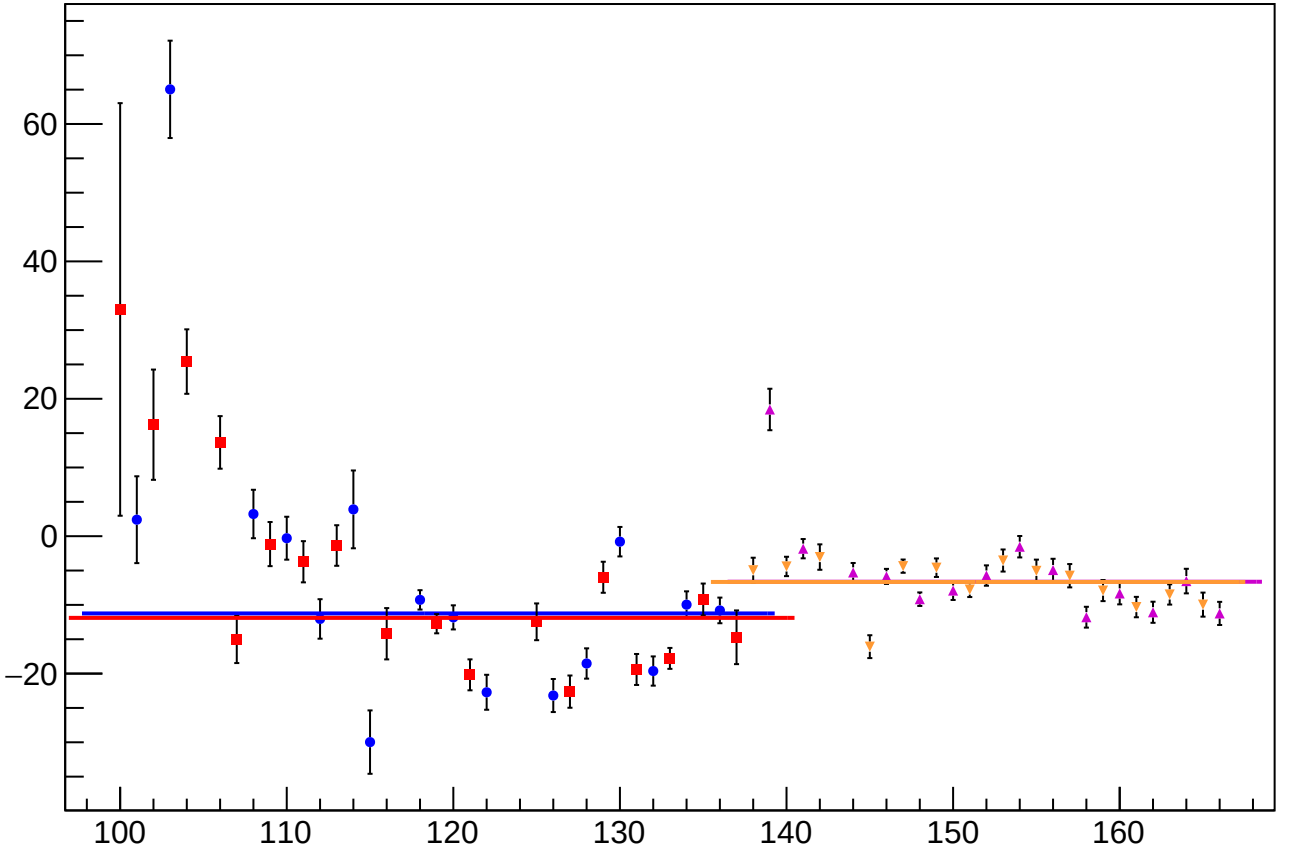
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -28.982+/-0.402 χ^2/NDF:758.7/29

Out: -27.374+/-0.405 χ^2/NDF:1000.3/31

All: -28.184+/-0.286 χ^2/NDF: 1767.0/61

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.662+/-0.387 χ^2/NDF:65.2/13

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.632+/-0.386 χ^2/NDF:130.6/13

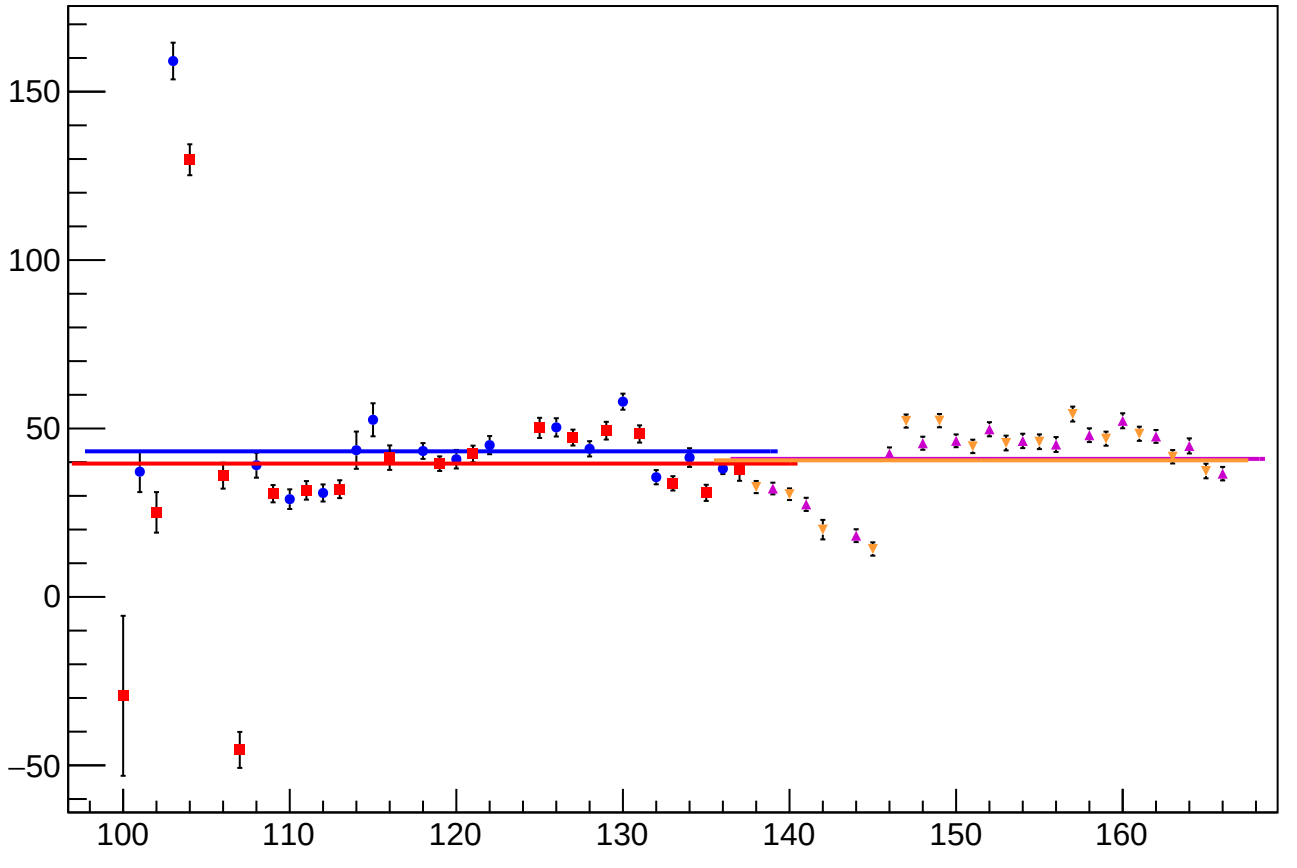
Left: -6.647+/-0.273 χ^2/NDF: 195.8/27

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.983+/-0.325 χ^2/NDF:443.5/29

Out: -8.171+/-0.326 χ^2/NDF:342.4/31

All: -8.076+/-0.230 χ^2/NDF: 786.1/61



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.551+/-0.549 χ^2/NDF:431.7/13

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 40.981+/-0.534 χ^2/NDF:314.4/13

Left: 40.772+/-0.383 χ^2/NDF: 746.4/27

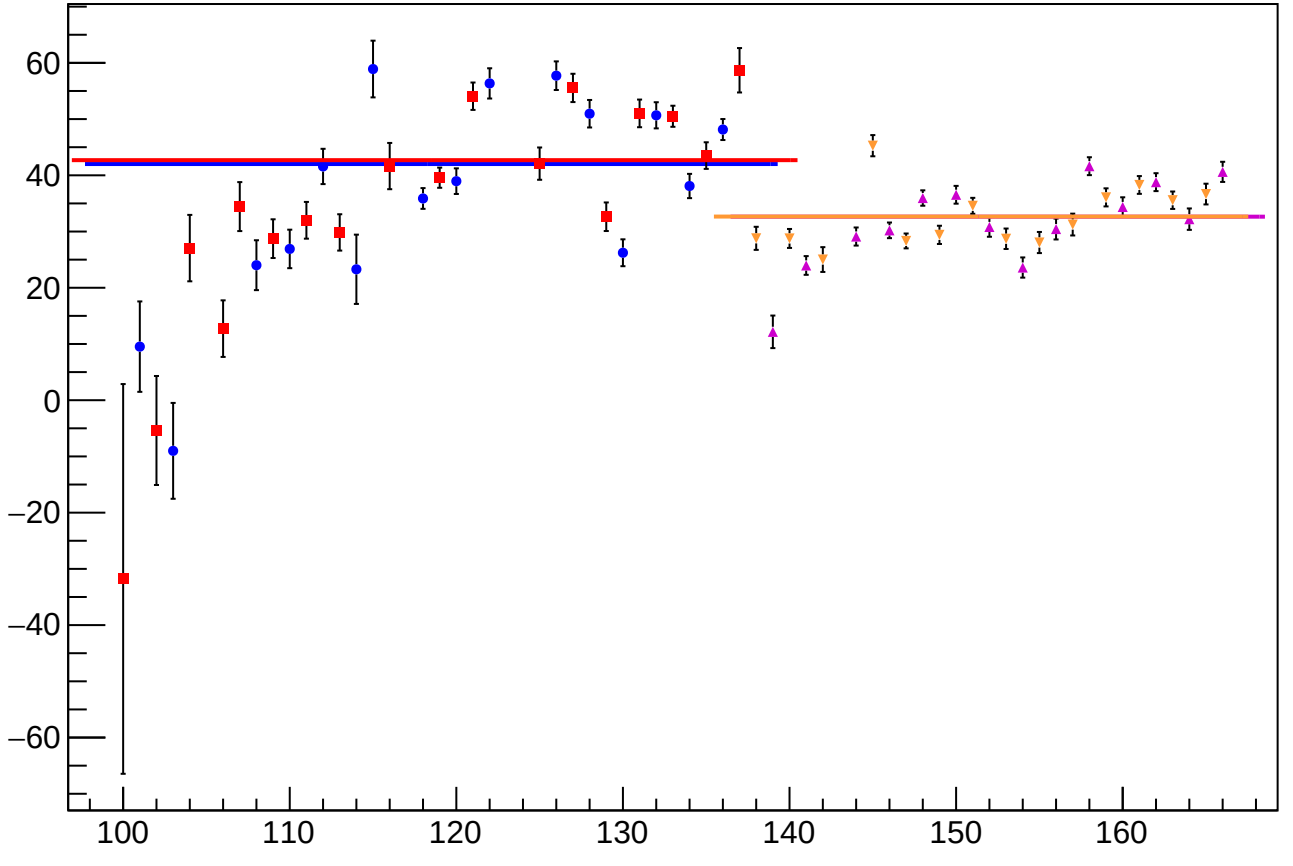
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.839+/-0.420 χ^2/NDF:897.1/29

Out: 40.174+/-0.428 χ^2/NDF:1186.9/31

All: 41.023+/-0.300 χ^2/NDF: 2091.8/61

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.663+/-0.453 χ^2/NDF:118.9/13

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.643+/-0.449 χ^2/NDF:192.5/13

Left: 32.653+/-0.319 χ^2/NDF: 311.4/27

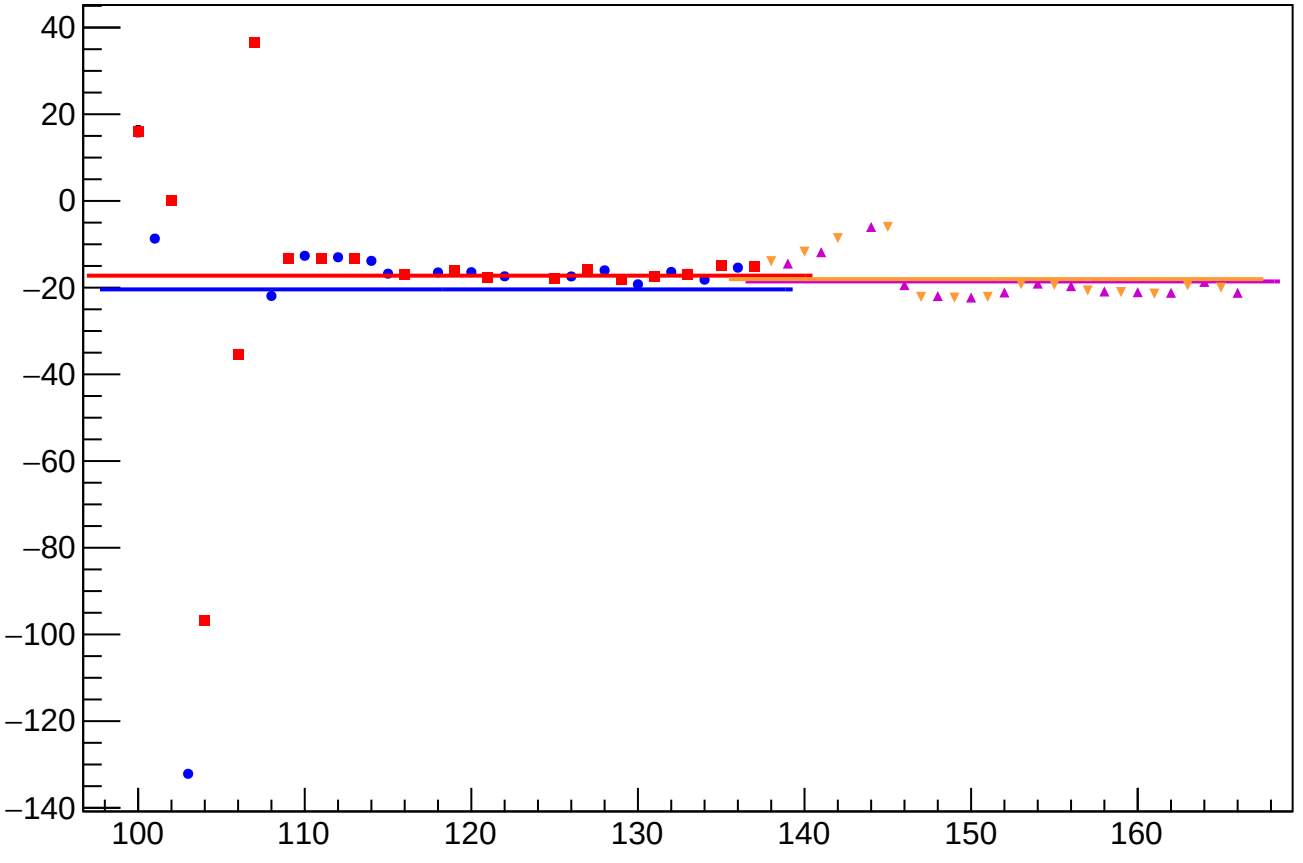
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.464+/-0.375 χ^2/NDF:596.2/29

Out: 35.655+/-0.379 χ^2/NDF:495.6/31

All: 35.558+/-0.267 χ^2/NDF: 1091.9/61

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.034+/-0.021 χ^2/NDF:54608.8/13

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.568+/-0.020 χ^2/NDF:43361.0/13

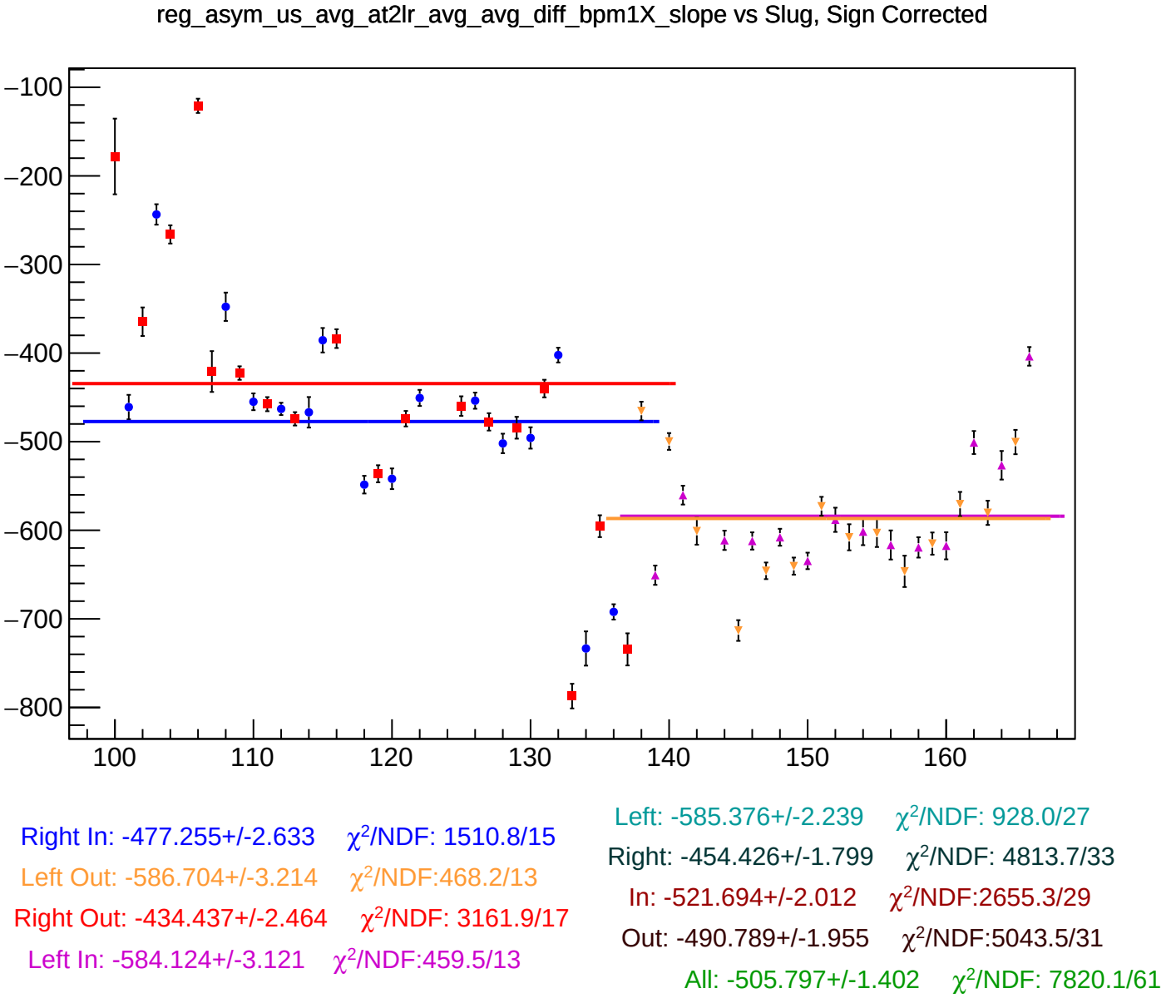
Left: -18.309+/-0.014 χ^2/NDF: 98309.0/27

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

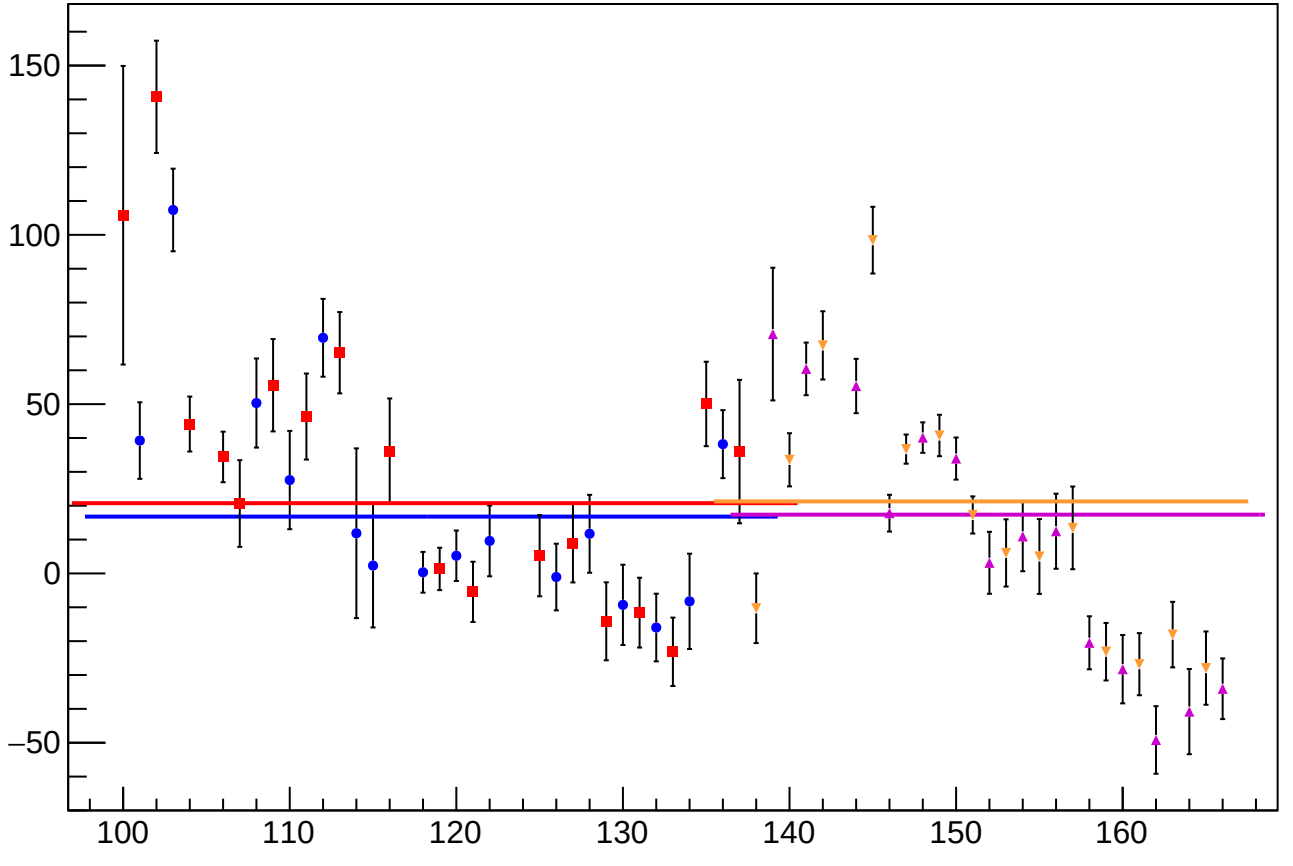
In: -18.914+/-0.018 χ^2/NDF:290533.0/29

Out: -17.889+/-0.019 χ^2/NDF:259534.4/31

All: -18.418+/-0.013 χ^2/NDF: 551601.6/61


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -586.704+/-3.214 χ²/NDF:468.2/13
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -584.124+/-3.121 χ²/NDF:459.5/13
Left: -585.376+/-2.239 χ²/NDF: 928.0/27
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -521.694+/-2.012 χ²/NDF:2655.3/29
Out: -490.789+/-1.955 χ²/NDF:5043.5/31
All: -505.797+/-1.402 χ²/NDF: 7820.1/61

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 21.275+/-2.087 χ^2/NDF:214.6/13

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 17.354+/-2.093 χ^2/NDF:238.6/13

Left: 19.321+/-1.478 χ^2/NDF: 455.0/27

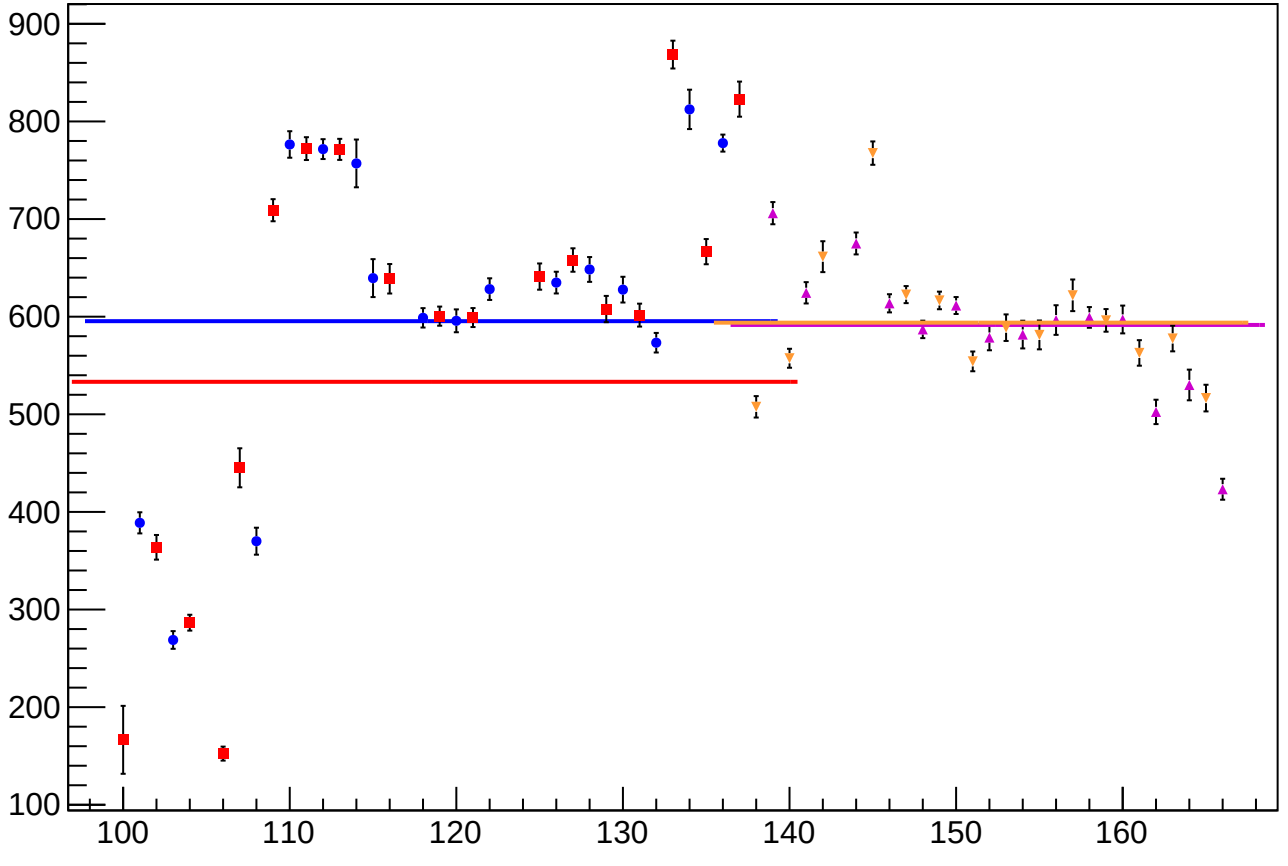
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 17.134+/-1.644 χ^2/NDF:363.6/29

Out: 21.064+/-1.615 χ^2/NDF:372.6/31

All: 19.134+/-1.152 χ^2/NDF: 739.1/61

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 593.883+/-3.112 χ^2/NDF:380.4/13

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 591.536+/-3.021 χ^2/NDF:491.7/13

Left: 592.675+/-2.168 χ^2/NDF: 872.4/27

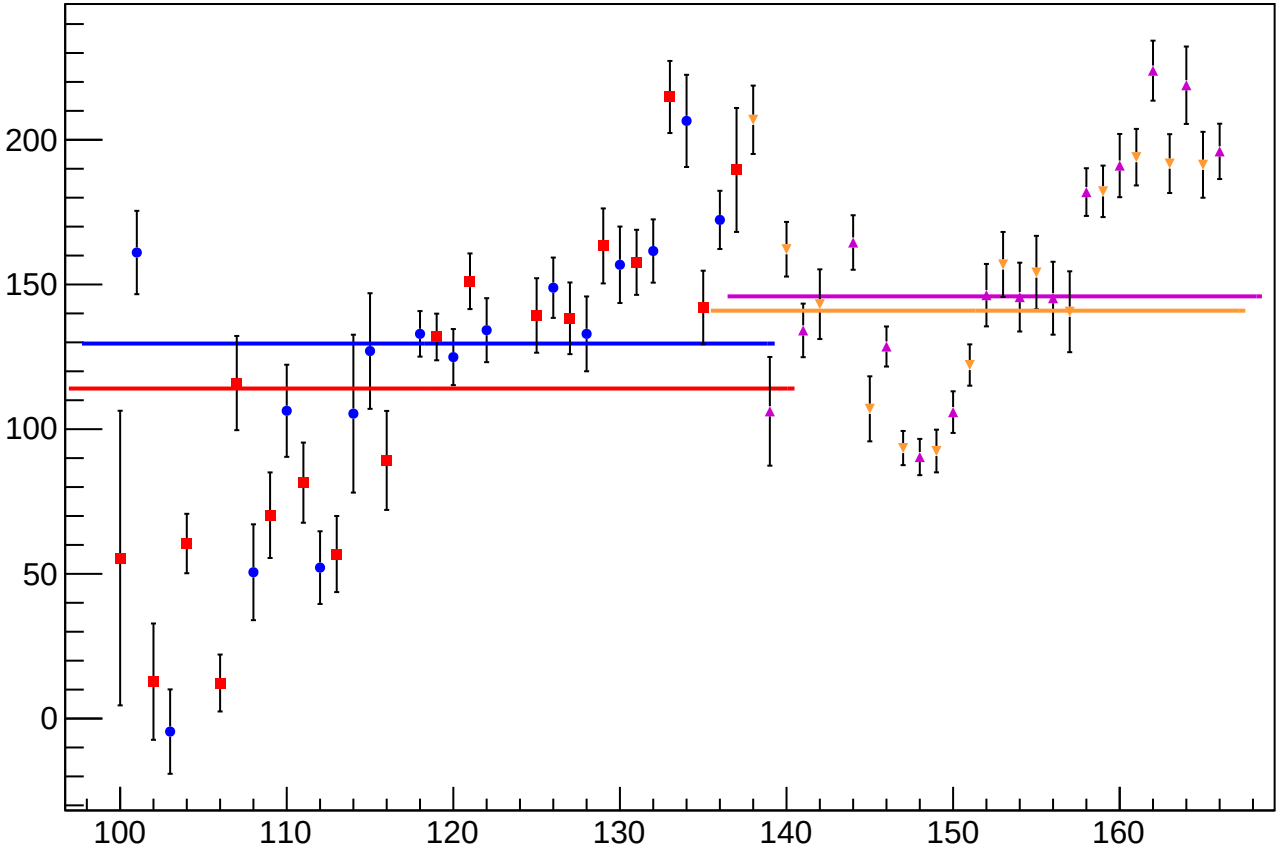
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 593.531+/-2.103 χ^2/NDF:3552.3/29

Out: 559.807+/-2.059 χ^2/NDF:7096.5/31

All: 576.312+/-1.471 χ^2/NDF: 10780.0/61

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 140.951+/-2.503 χ^2/NDF:258.8/13

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 145.896+/-2.482 χ^2/NDF:275.7/13

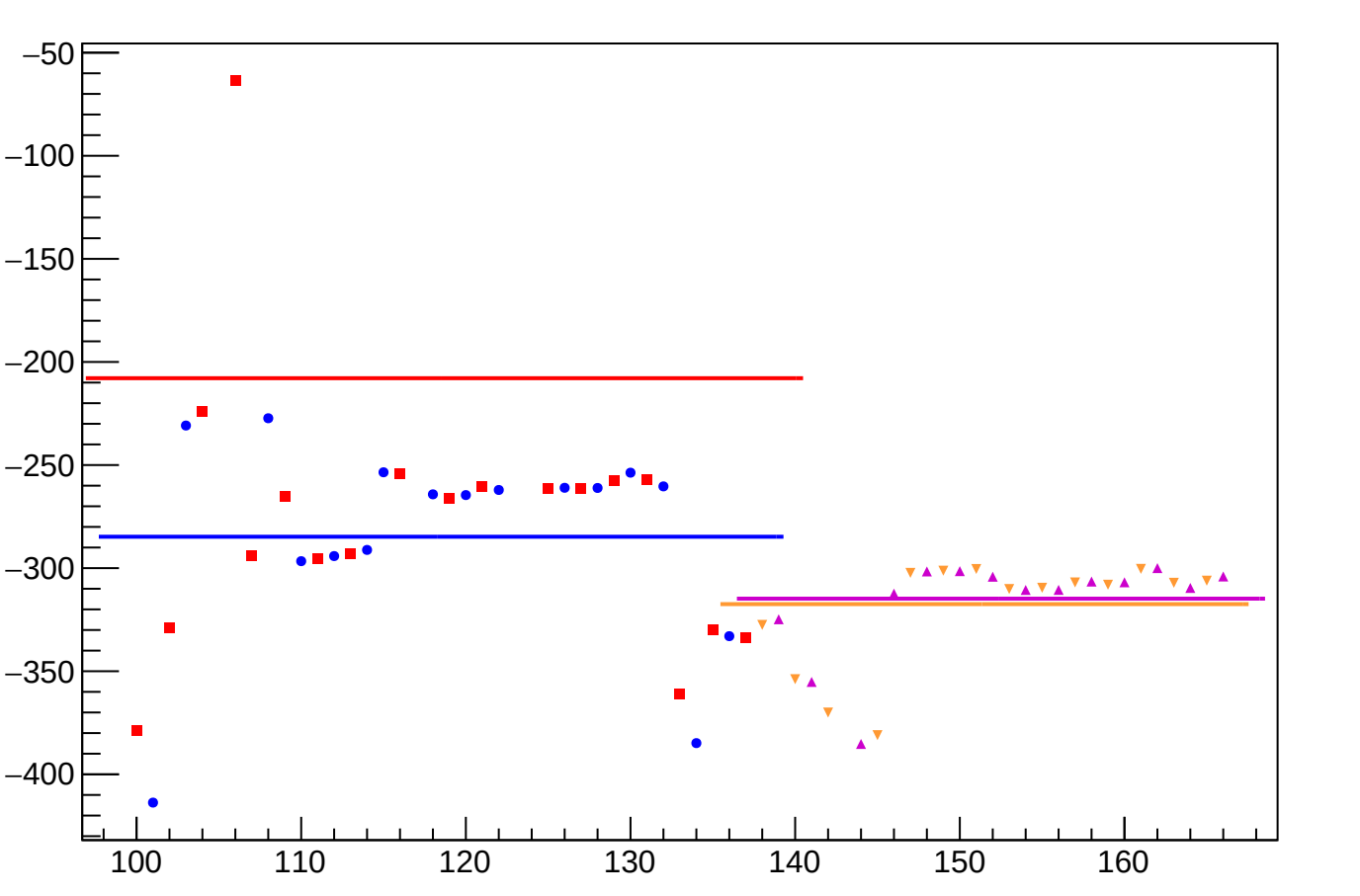
Left: 143.444+/-1.762 χ^2/NDF: 536.5/27

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 139.476+/-1.933 χ^2/NDF:503.9/29

Out: 129.806+/-1.916 χ^2/NDF:642.6/31

All: 134.598+/-1.361 χ^2/NDF: 1159.1/61



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -317.450+/-0.121 χ^2/NDF:41022.3/13

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -314.797+/-0.116 χ^2/NDF:34327.1/13

Left: -316.072+/-0.084 χ^2/NDF: 75599.8/27

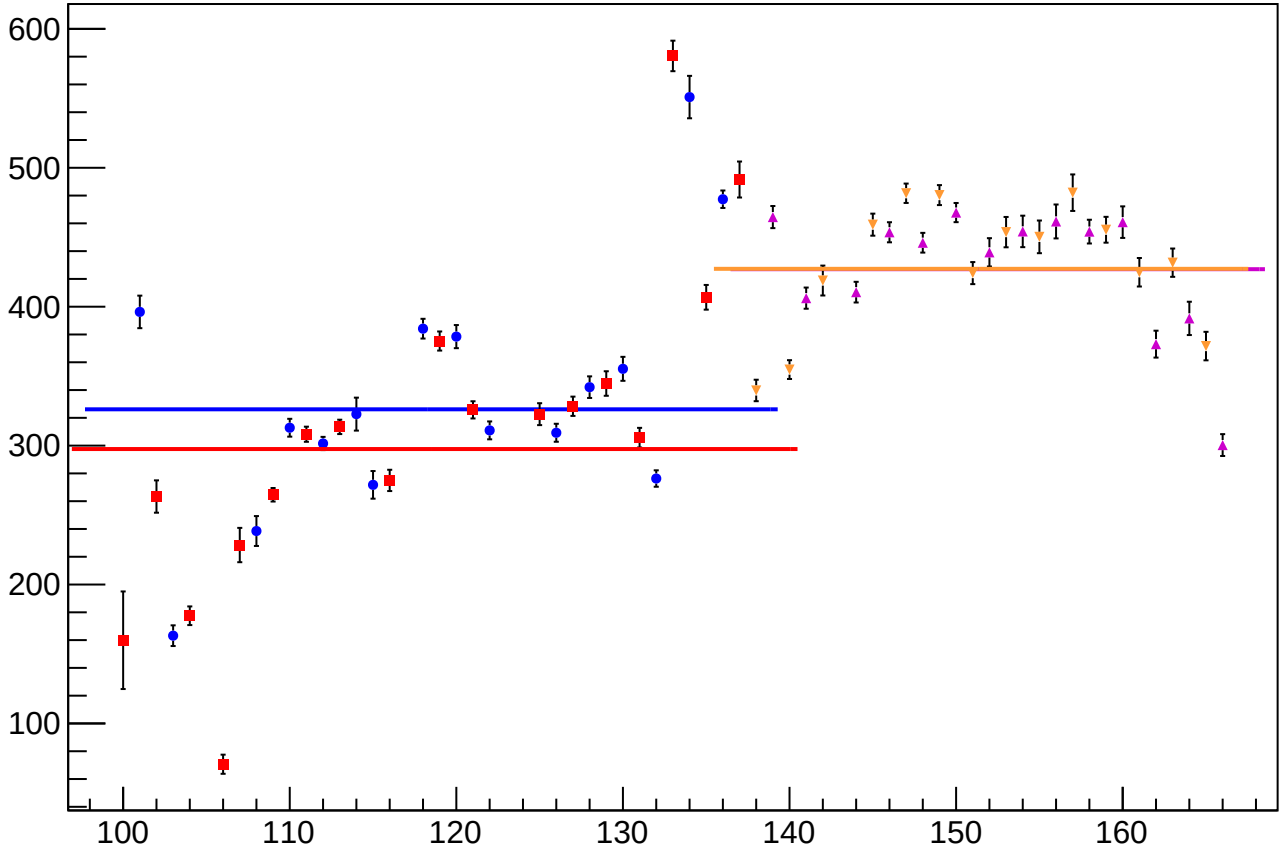
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.787+/-0.097 χ^2/NDF:158724.1/29

Out: -273.914+/-0.094 χ^2/NDF:904365.5/31

All: -289.278+/-0.068 χ^2/NDF: 1118727.7/61

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 427.264+/-2.354 χ^2/NDF:441.3/13

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 427.003+/-2.292 χ^2/NDF:423.1/13

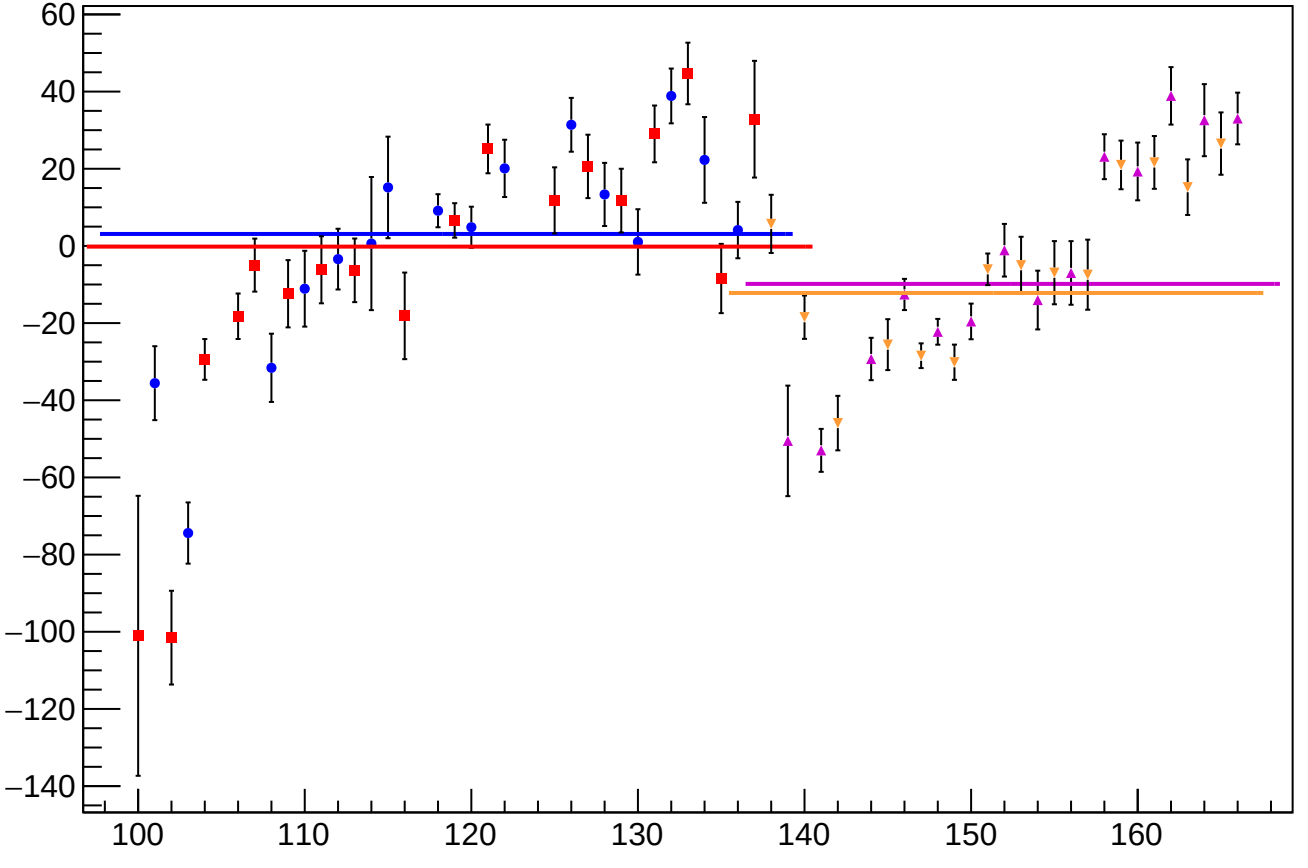
Left: 427.130+/-1.642 χ^2/NDF: 864.4/27

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 366.102+/-1.443 χ^2/NDF:3235.4/29

Out: 343.196+/-1.396 χ^2/NDF:5185.3/31

All: 354.275+/-1.003 χ^2/NDF: 8550.8/61



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -12.192+/-1.536 χ^2/NDF:168.6/13

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.841+/-1.542 χ^2/NDF:253.1/13

Left: -11.021+/-1.088 χ^2/NDF: 422.8/27

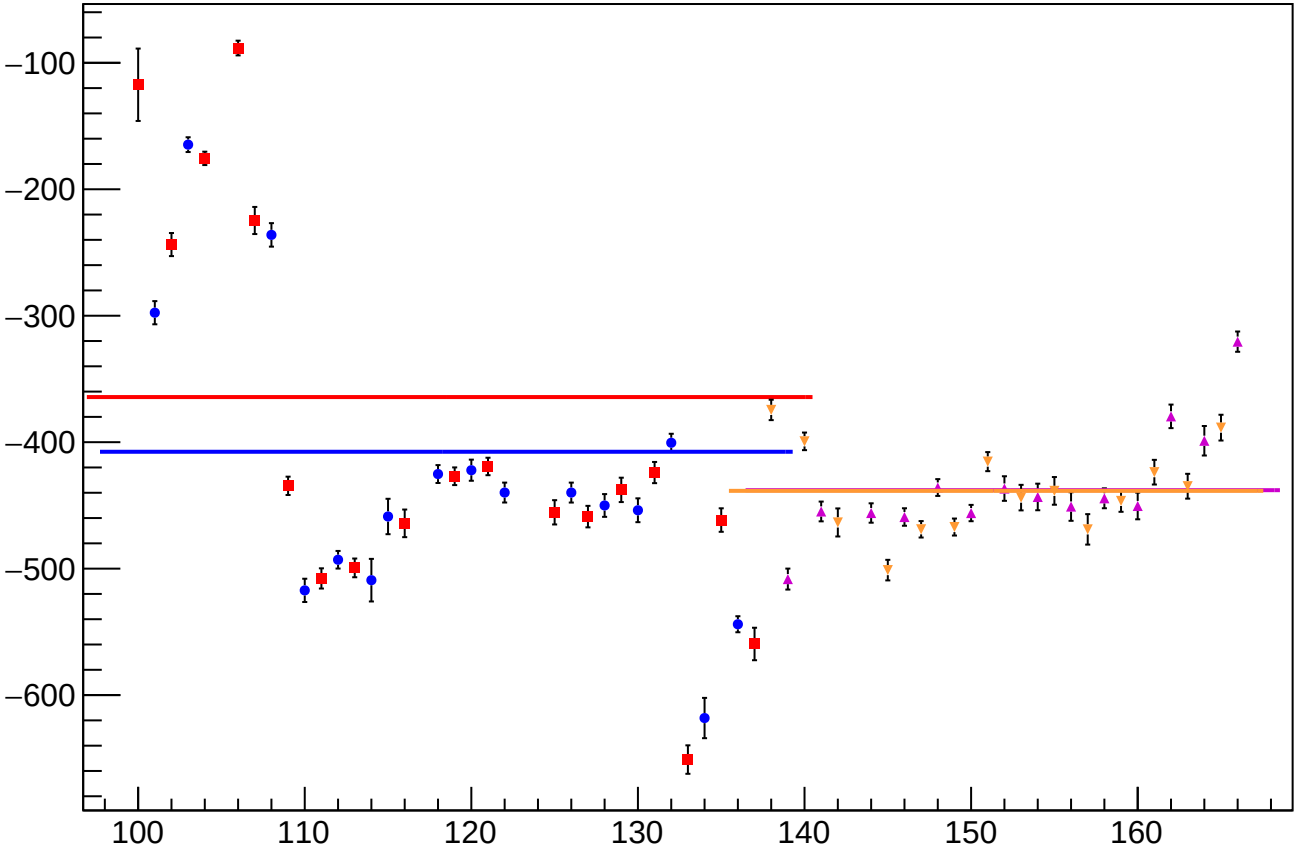
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.675+/-1.195 χ^2/NDF:465.7/29

Out: -7.102+/-1.166 χ^2/NDF:399.7/31

All: -5.919+/-0.835 χ^2/NDF: 867.5/61

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -438.484+/-2.284 χ^2/NDF:242.6/13

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.957+/-2.222 χ^2/NDF:368.2/13

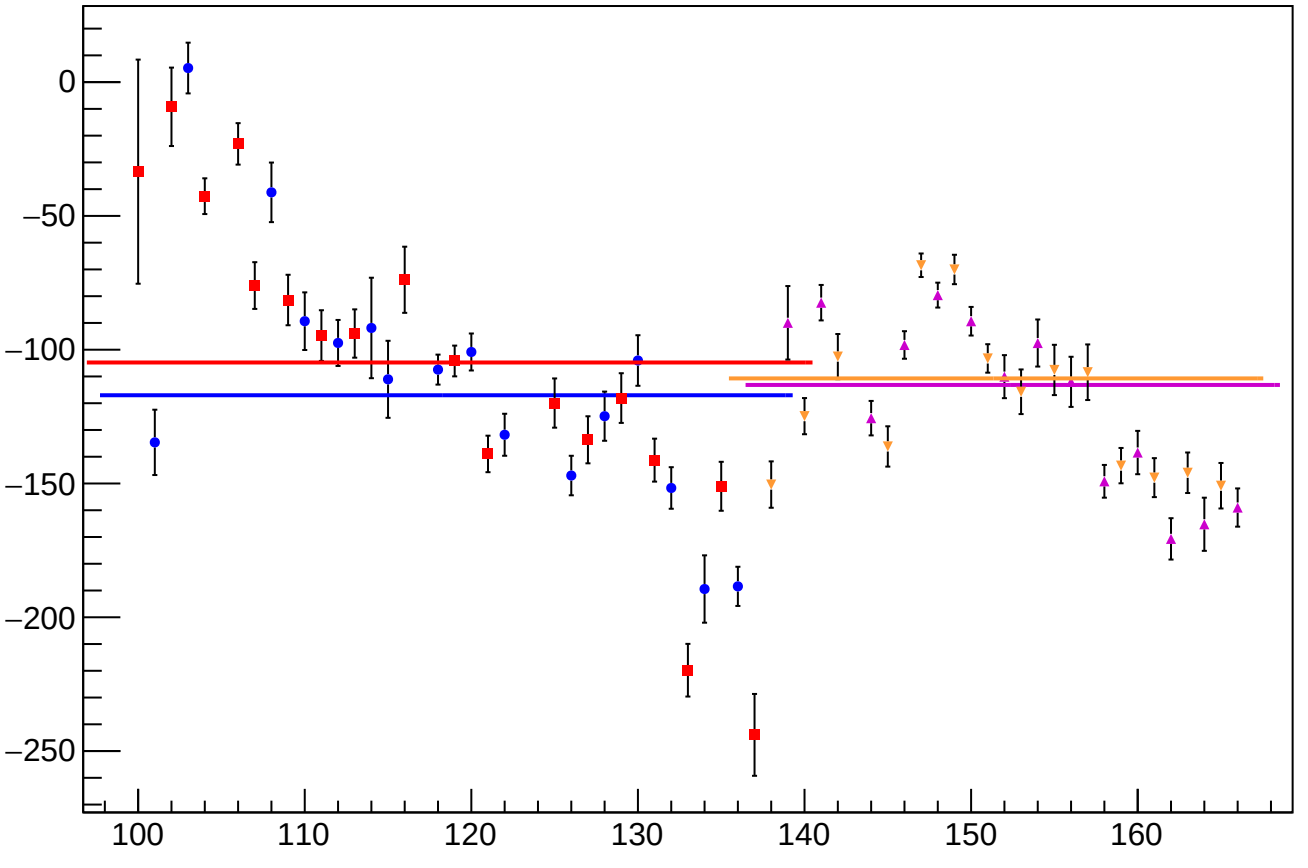
Left: -438.213+/-1.593 χ^2/NDF: 610.8/27

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -421.719+/-1.516 χ^2/NDF:3748.7/29

Out: -395.454+/-1.480 χ^2/NDF:7074.9/31

All: -408.266+/-1.059 χ^2/NDF: 10977.3/61



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -110.731+/-1.841 χ^2/NDF:281.7/13

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.170+/-1.828 χ^2/NDF:280.1/13

Left: -111.959+/-1.297 χ^2/NDF: 562.7/27

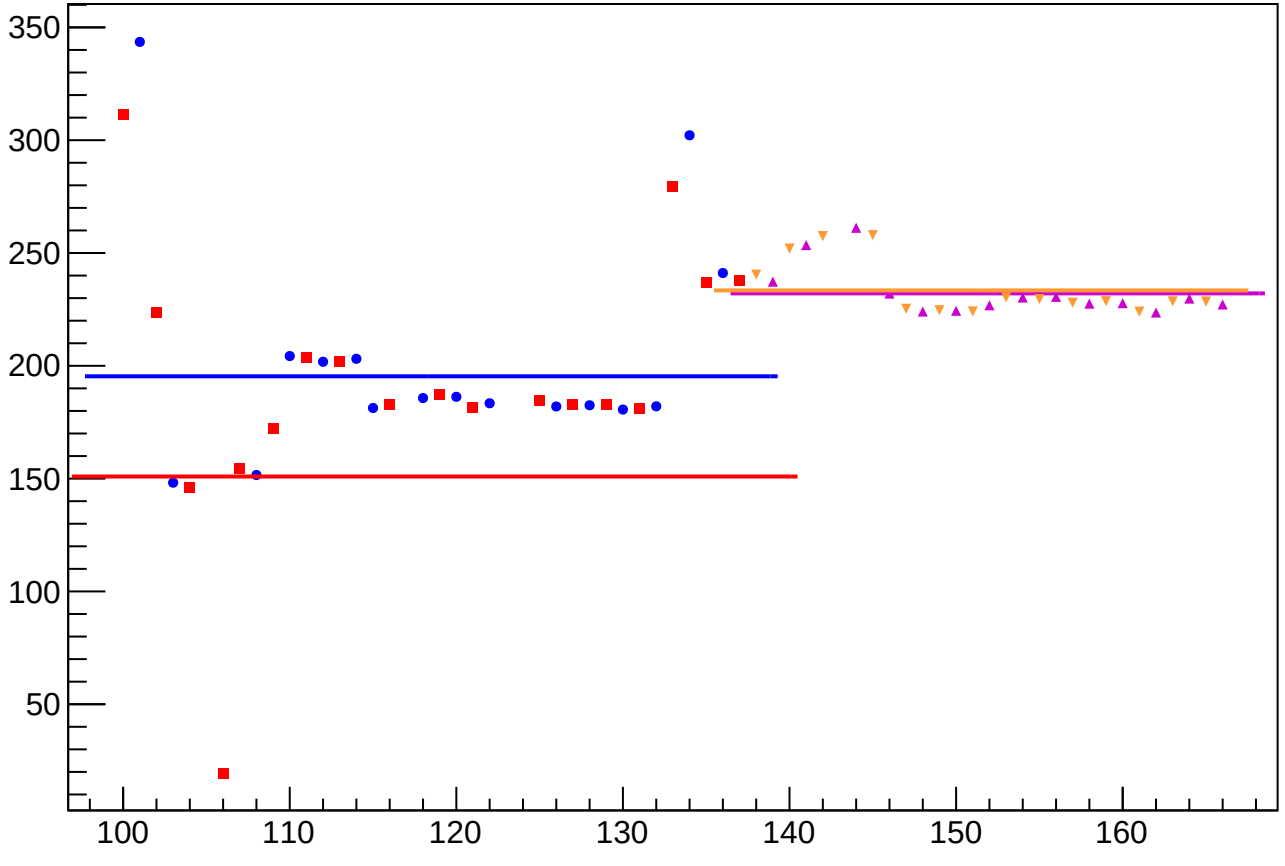
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.748+/-1.405 χ^2/NDF:689.7/29

Out: -108.132+/-1.382 χ^2/NDF:861.4/31

All: -111.386+/-0.985 χ^2/NDF: 1562.4/61

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 233.432+/-0.089 χ^2/NDF:17065.6/13

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.102+/-0.086 χ^2/NDF:15259.6/13

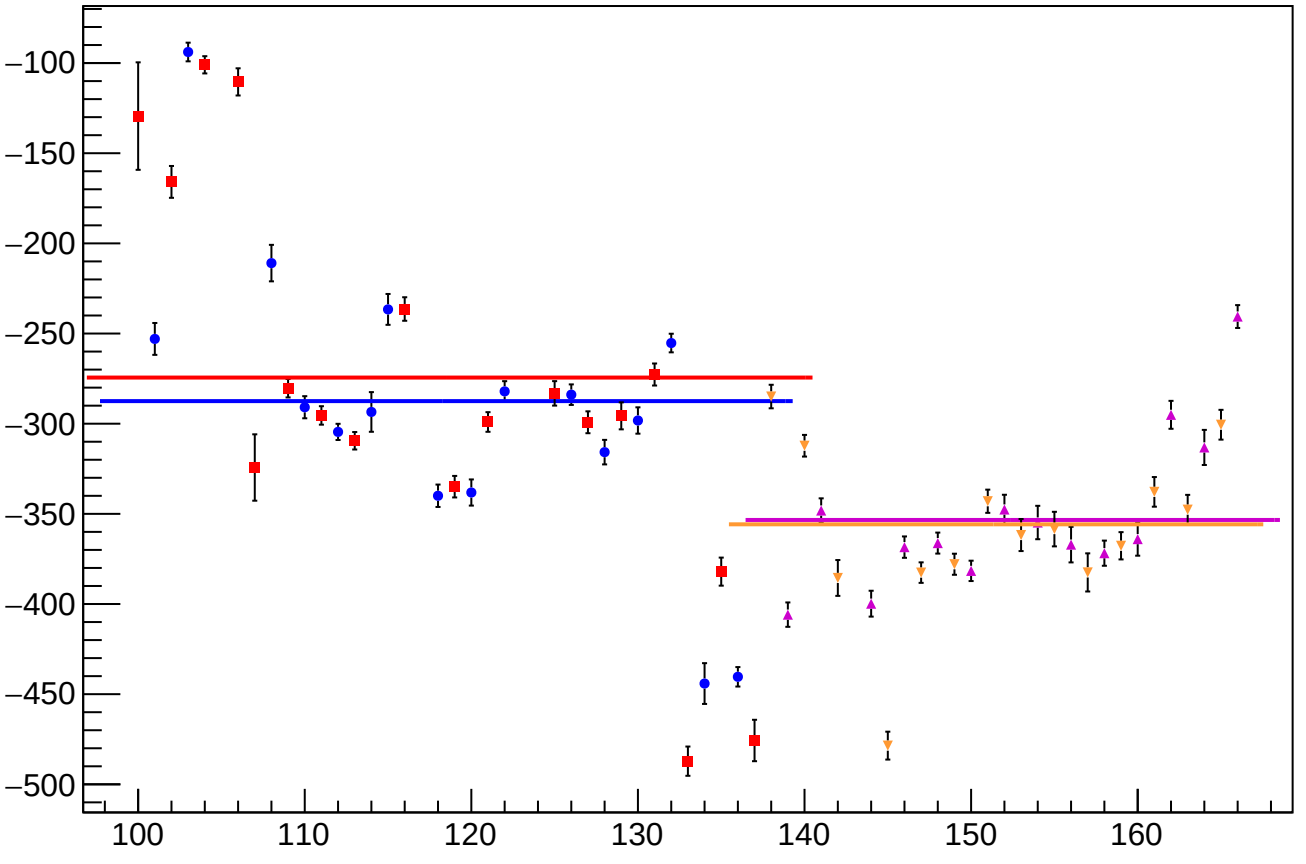
Left: 232.743+/-0.062 χ^2/NDF: 32441.4/27

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.316+/-0.071 χ^2/NDF:251304.1/29

Out: 200.938+/-0.069 χ^2/NDF:856199.2/31

All: 210.427+/-0.049 χ^2/NDF: 1145971.6/61



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -355.803+/-1.974 χ^2/NDF:531.6/13

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -353.386+/-1.911 χ^2/NDF:540.3/13

Left: -354.555+/-1.373 χ^2/NDF: 1072.7/27

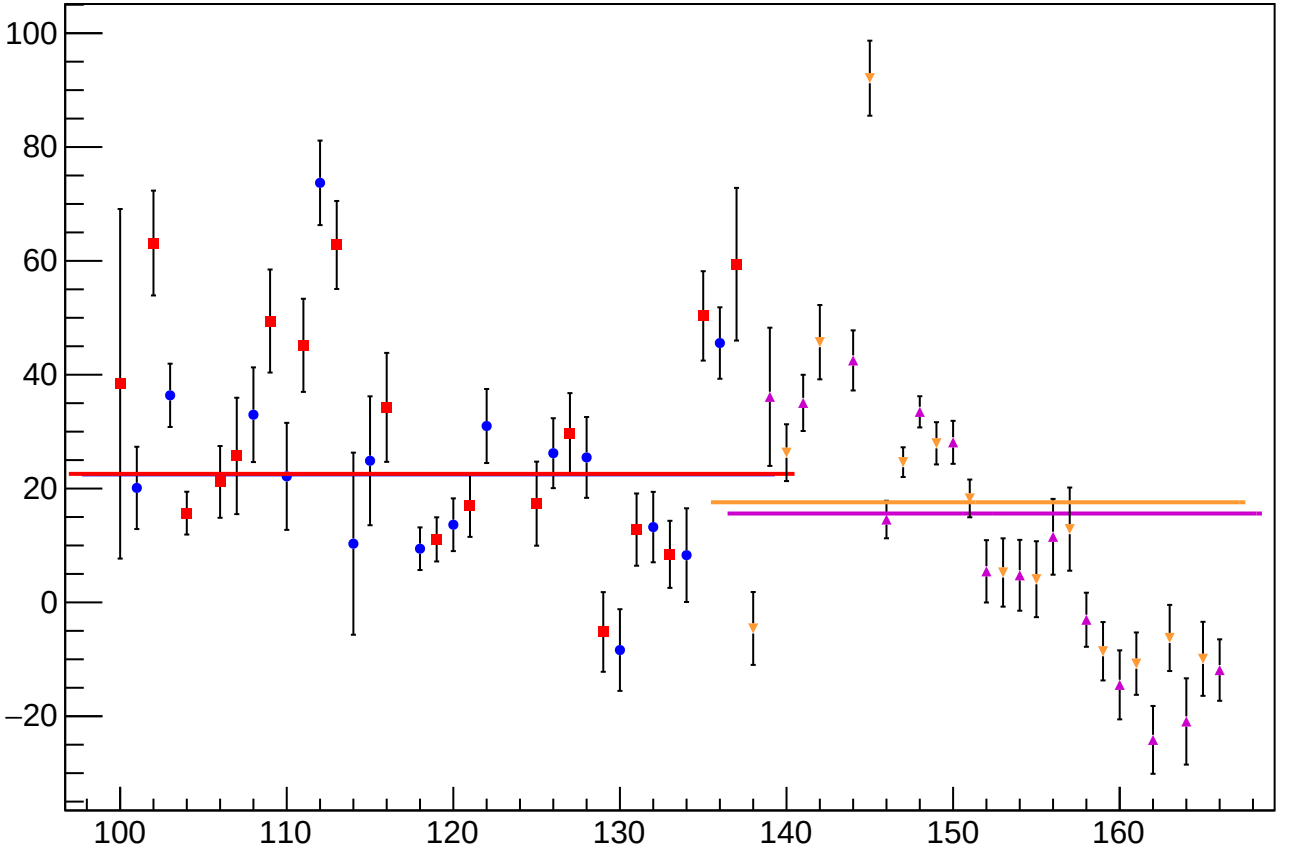
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.866+/-1.232 χ^2/NDF:3932.2/29

Out: -305.491+/-1.220 χ^2/NDF:4995.8/31

All: -310.133+/-0.867 χ^2/NDF: 8957.2/61

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 17.587+/-1.276 χ^2/NDF:272.7/13

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 15.617+/-1.278 χ^2/NDF:238.5/13

Left: 16.605+/-0.903 χ^2/NDF: 512.4/27

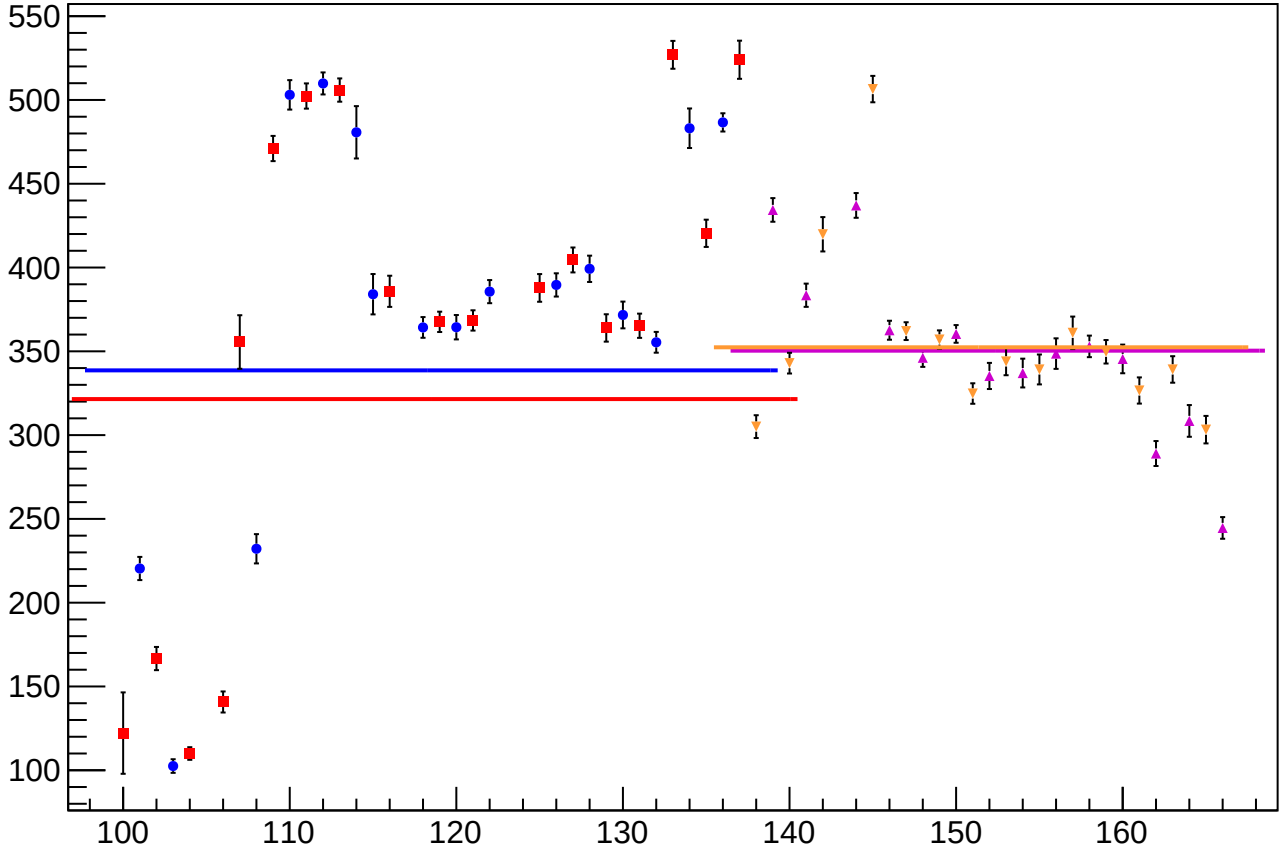
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 18.254+/-1.004 χ^2/NDF:361.0/29

Out: 19.573+/-0.990 χ^2/NDF:402.2/31

All: 18.922+/-0.705 χ^2/NDF: 764.1/61

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 352.394+/-1.907 χ^2/NDF:554.9/13

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 350.389+/-1.847 χ^2/NDF:673.2/13

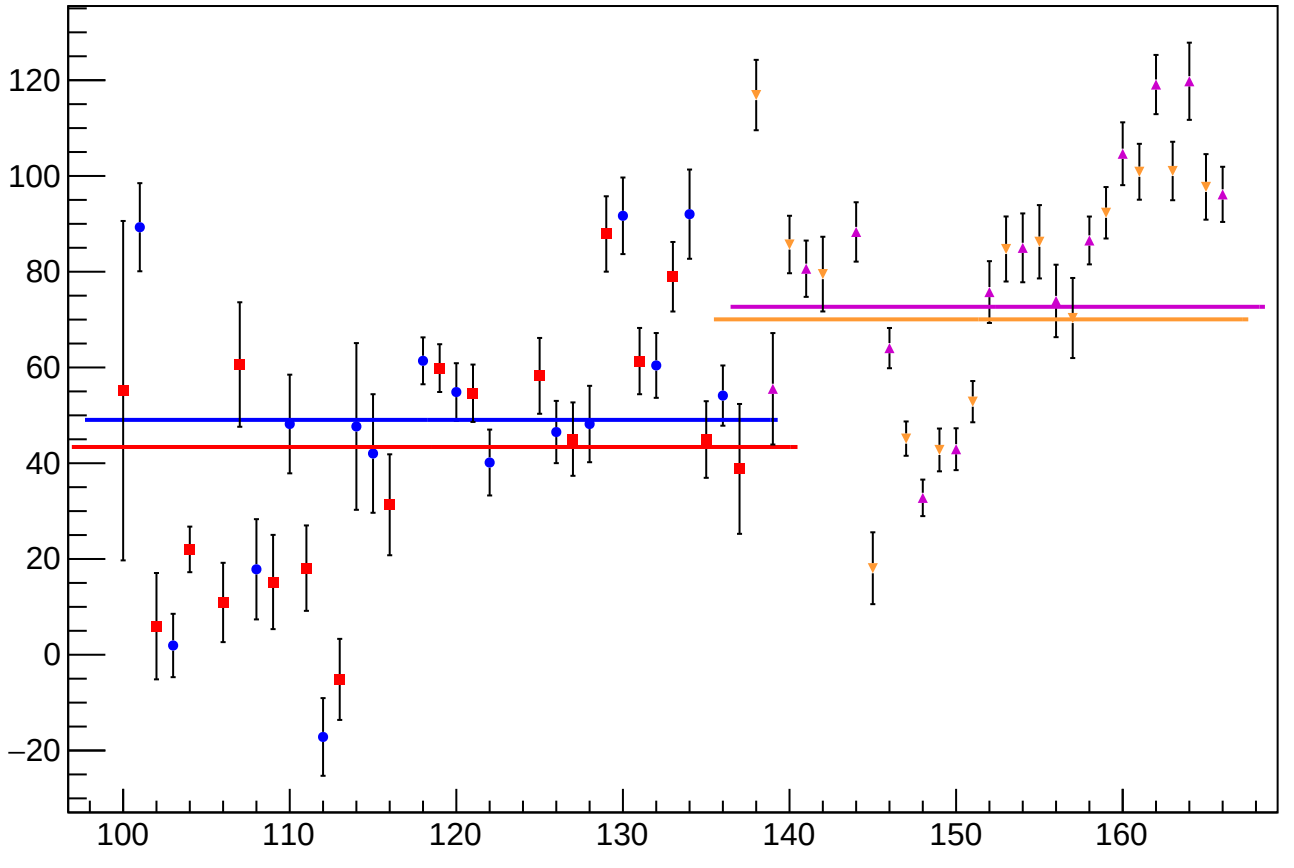
Left: 351.360+/-1.327 χ^2/NDF: 1228.6/27

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 344.188+/-1.270 χ^2/NDF:6737.2/29

Out: 335.125+/-1.267 χ^2/NDF:8422.3/31

All: 339.646+/-0.897 χ^2/NDF: 15185.0/61



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 70.049+/-1.530 χ^2/NDF:294.6/13

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.672+/-1.515 χ^2/NDF:312.1/13

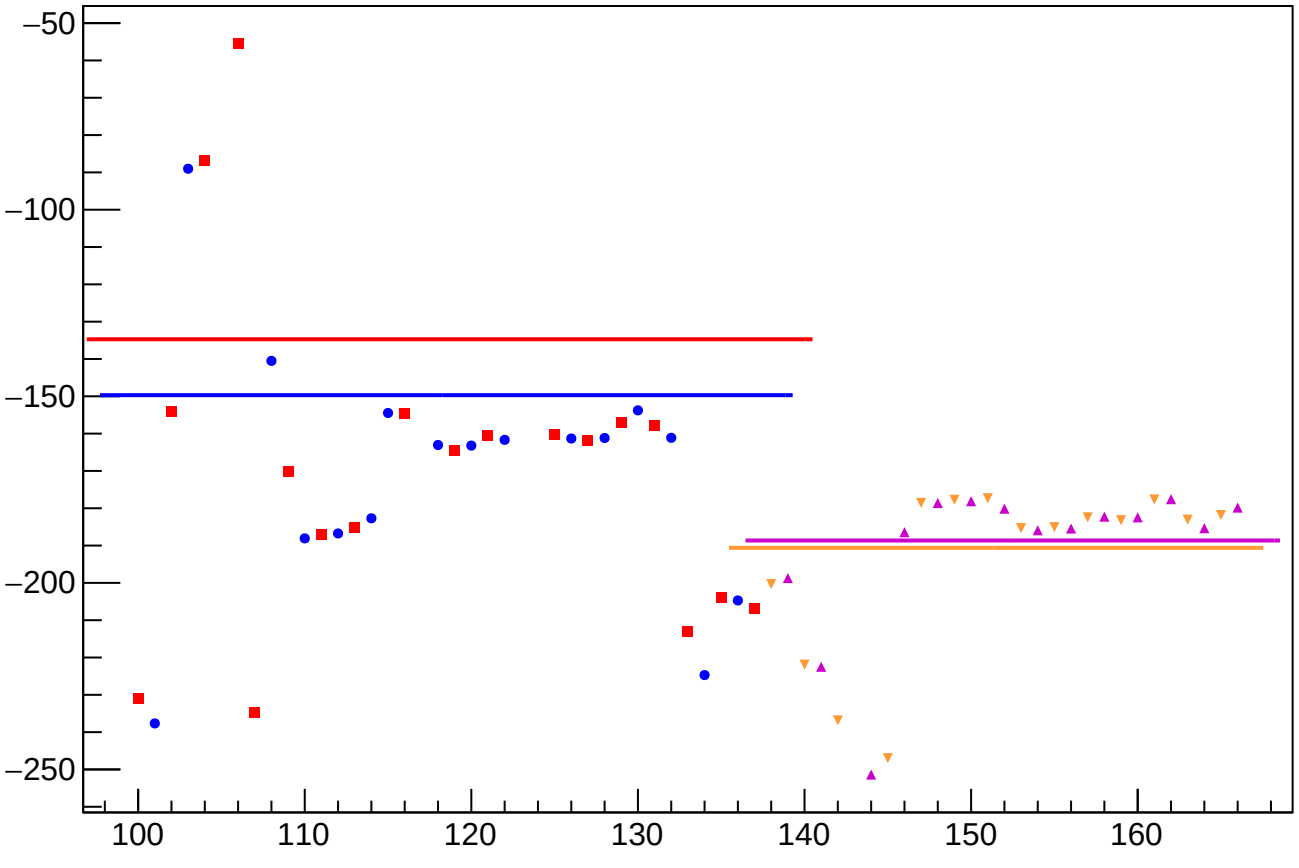
Left: 71.374+/-1.076 χ^2/NDF: 608.2/27

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 63.388+/-1.180 χ^2/NDF:615.5/29

Out: 59.112+/-1.175 χ^2/NDF:599.2/31

All: 61.240+/-0.833 χ^2/NDF: 1221.4/61



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -190.603+/-0.074 χ^2/NDF:73678.7/13

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -188.644+/-0.071 χ^2/NDF:61370.7/13

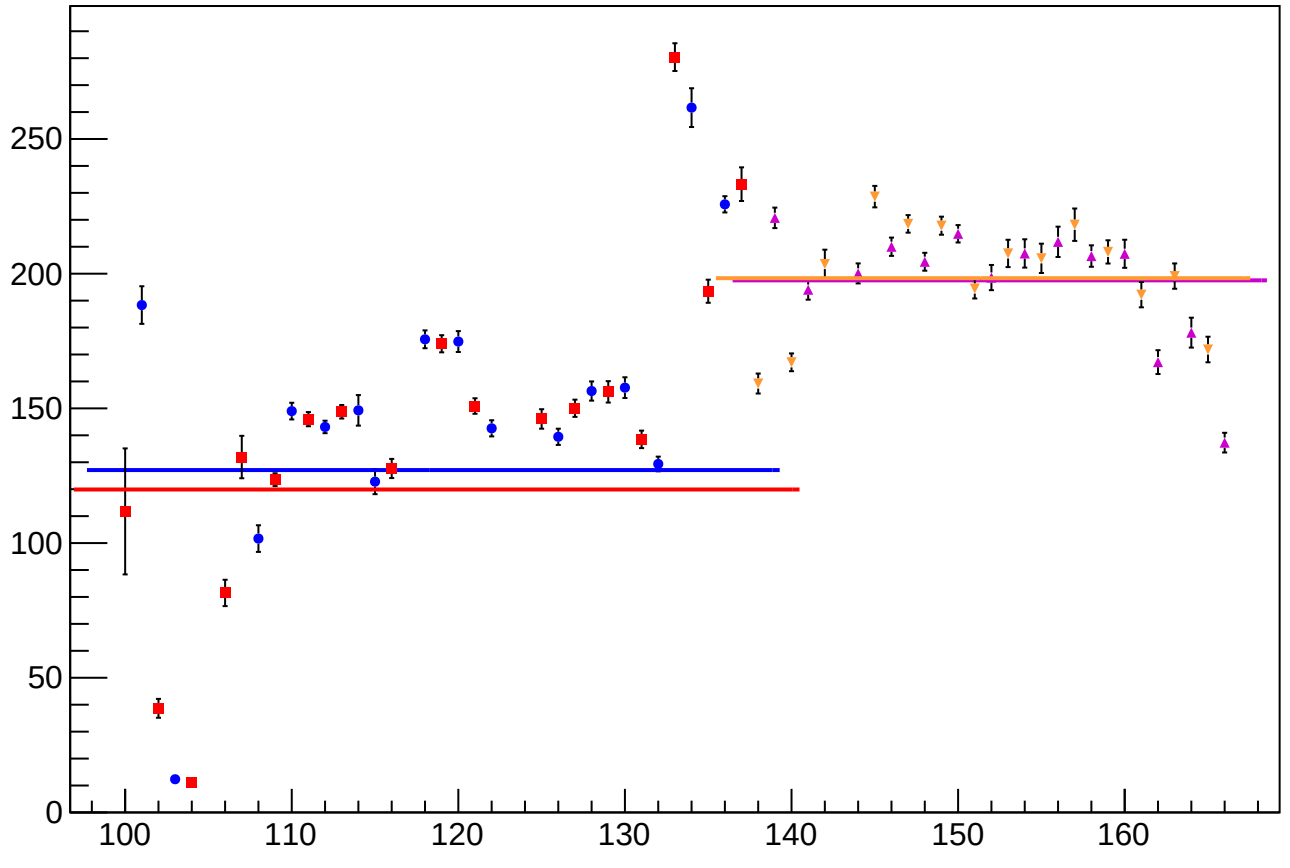
Left: -189.584+/-0.051 χ^2/NDF: 135415.3/27

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.758+/-0.058 χ^2/NDF:417693.3/29

Out: -170.093+/-0.059 χ^2/NDF:596480.1/31

All: -172.963+/-0.041 χ^2/NDF: 1018881.8/61



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.329+/-1.112 χ^2/NDF:386.6/13

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 197.526+/-1.079 χ^2/NDF:435.0/13

Left: 197.915+/-0.774 χ^2/NDF: 821.8/27

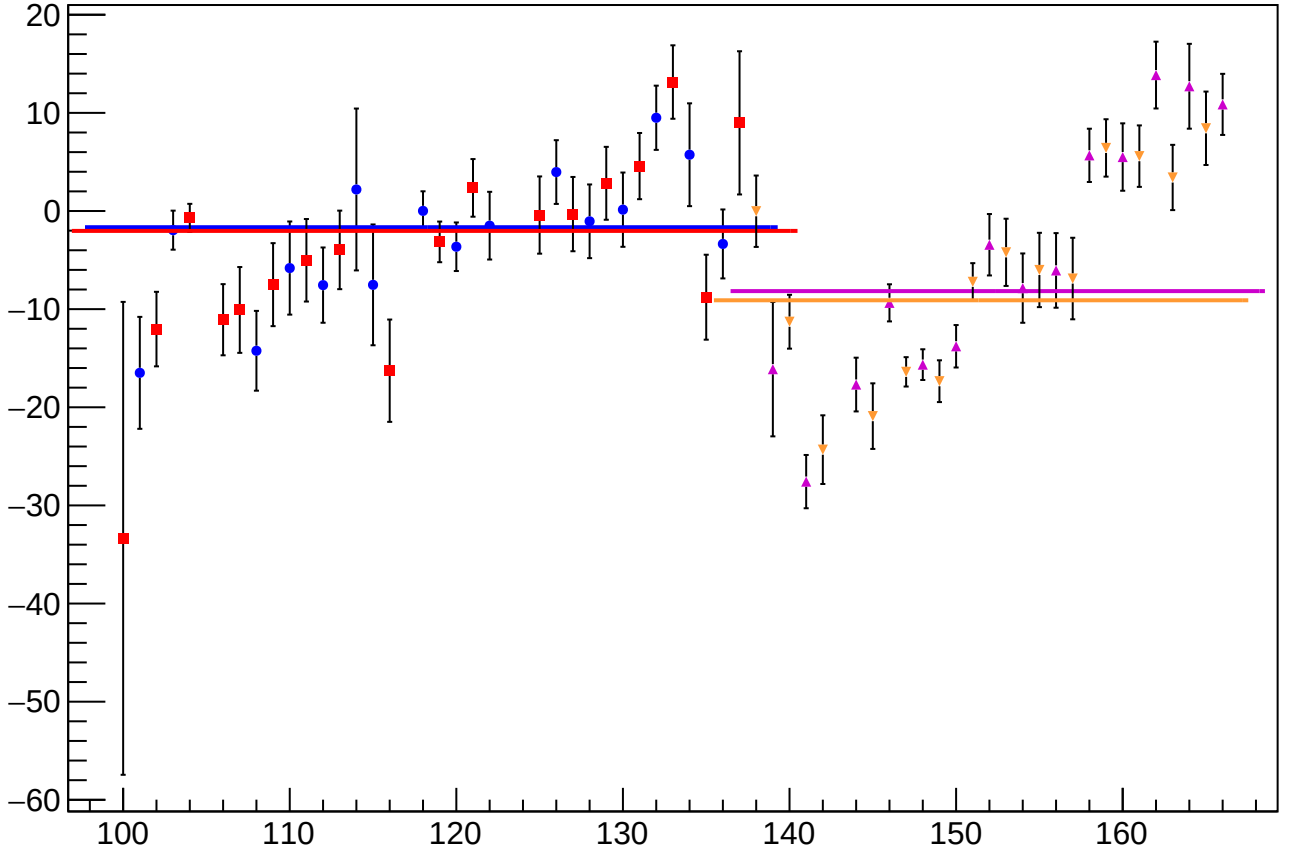
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.515+/-0.648 χ^2/NDF:9320.7/29

Out: 145.493+/-0.635 χ^2/NDF:10387.3/31

All: 148.934+/-0.454 χ^2/NDF: 19767.9/61

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -9.097+/-0.722 χ^2/NDF:167.2/13

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -8.162+/-0.724 χ^2/NDF:241.6/13

Left: -8.631+/-0.511 χ^2/NDF: 409.6/27

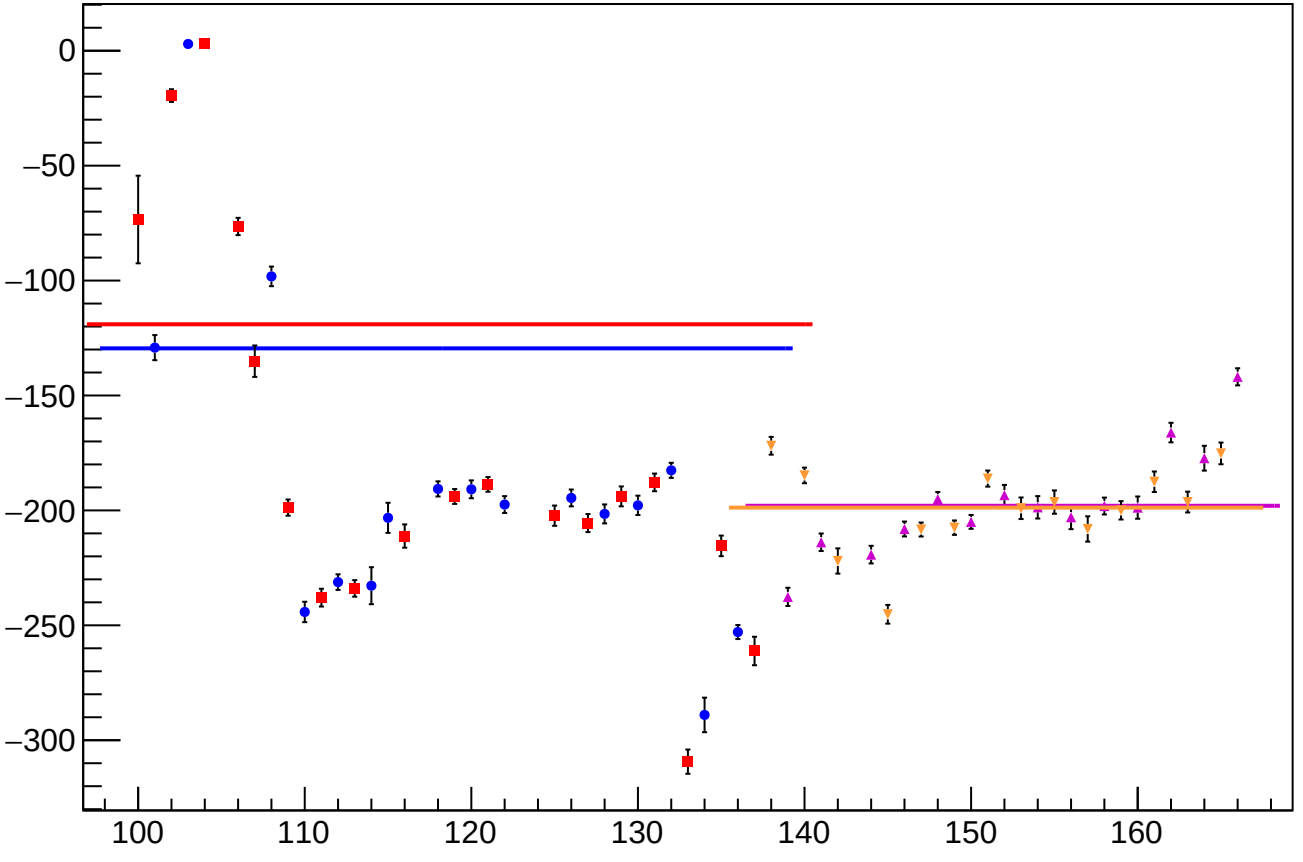
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.359+/-0.546 χ^2/NDF:315.4/29

Out: -5.789+/-0.527 χ^2/NDF:270.6/31

All: -5.581+/-0.379 χ^2/NDF: 586.4/61

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -198.791+/-1.077 χ^2/NDF:278.5/13

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.990+/-1.045 χ^2/NDF:463.8/13

Left: -198.379+/-0.750 χ^2/NDF: 742.6/27

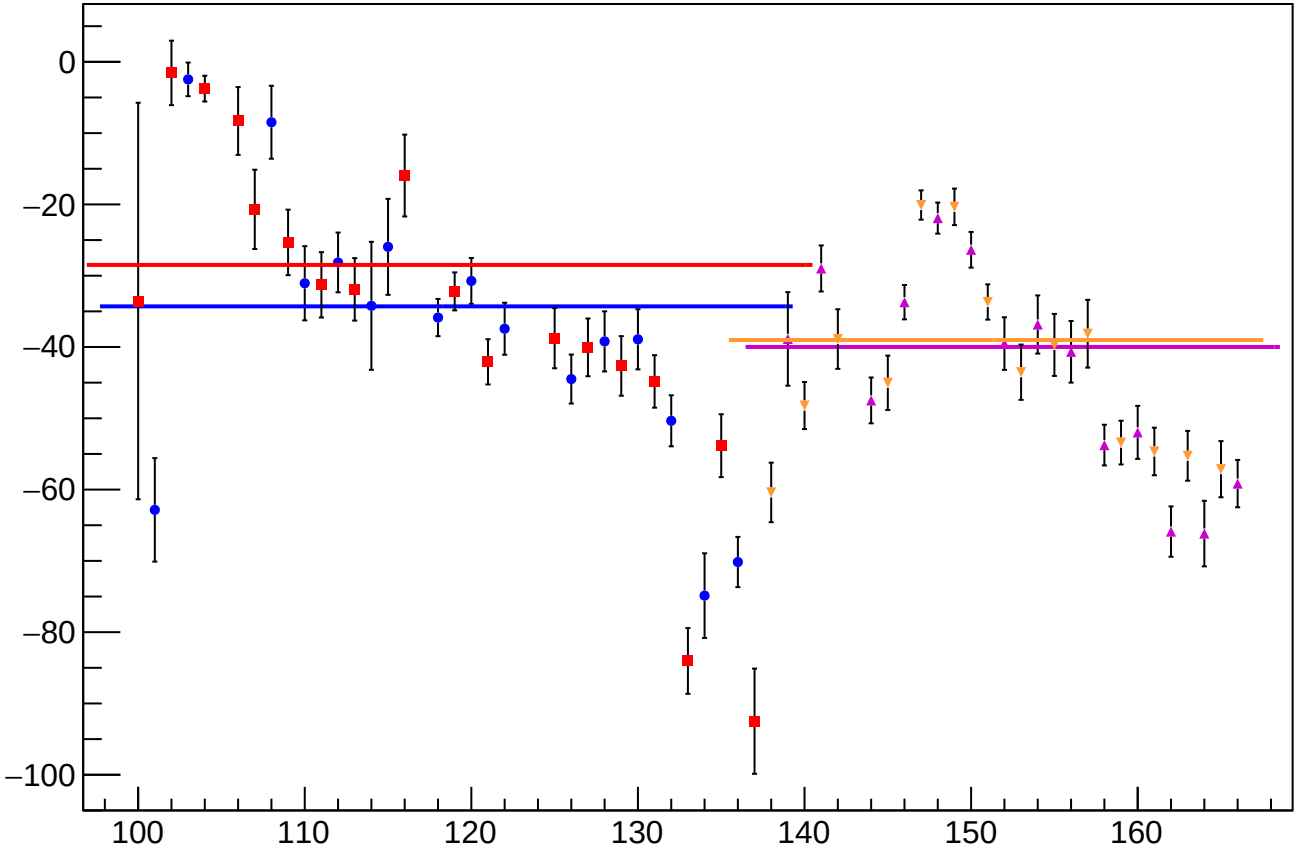
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.645+/-0.658 χ^2/NDF:17747.3/29

Out: -147.982+/-0.649 χ^2/NDF:19952.6/31

All: -152.255+/-0.462 χ^2/NDF: 37787.9/61

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -39.024+/-0.866 χ^2/NDF:267.4/13

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -39.992+/-0.858 χ^2/NDF:276.2/13

Left: -39.512+/-0.609 χ^2/NDF: 544.2/27

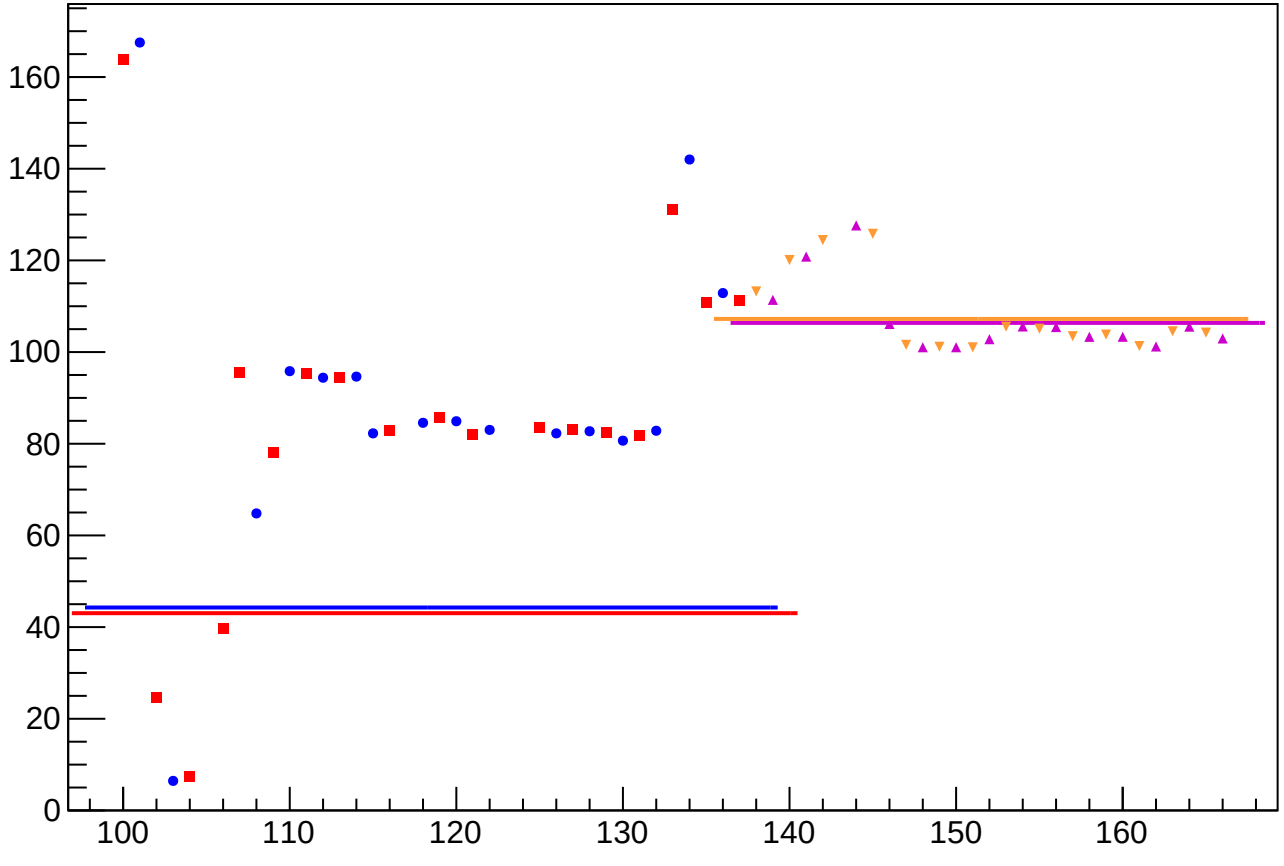
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.487+/-0.642 χ^2/NDF:706.9/29

Out: -34.002+/-0.626 χ^2/NDF:906.0/31

All: -35.701+/-0.448 χ^2/NDF: 1628.0/61

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.232+/-0.042 χ^2/NDF:36922.6/13

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.367+/-0.040 χ^2/NDF:31903.9/13

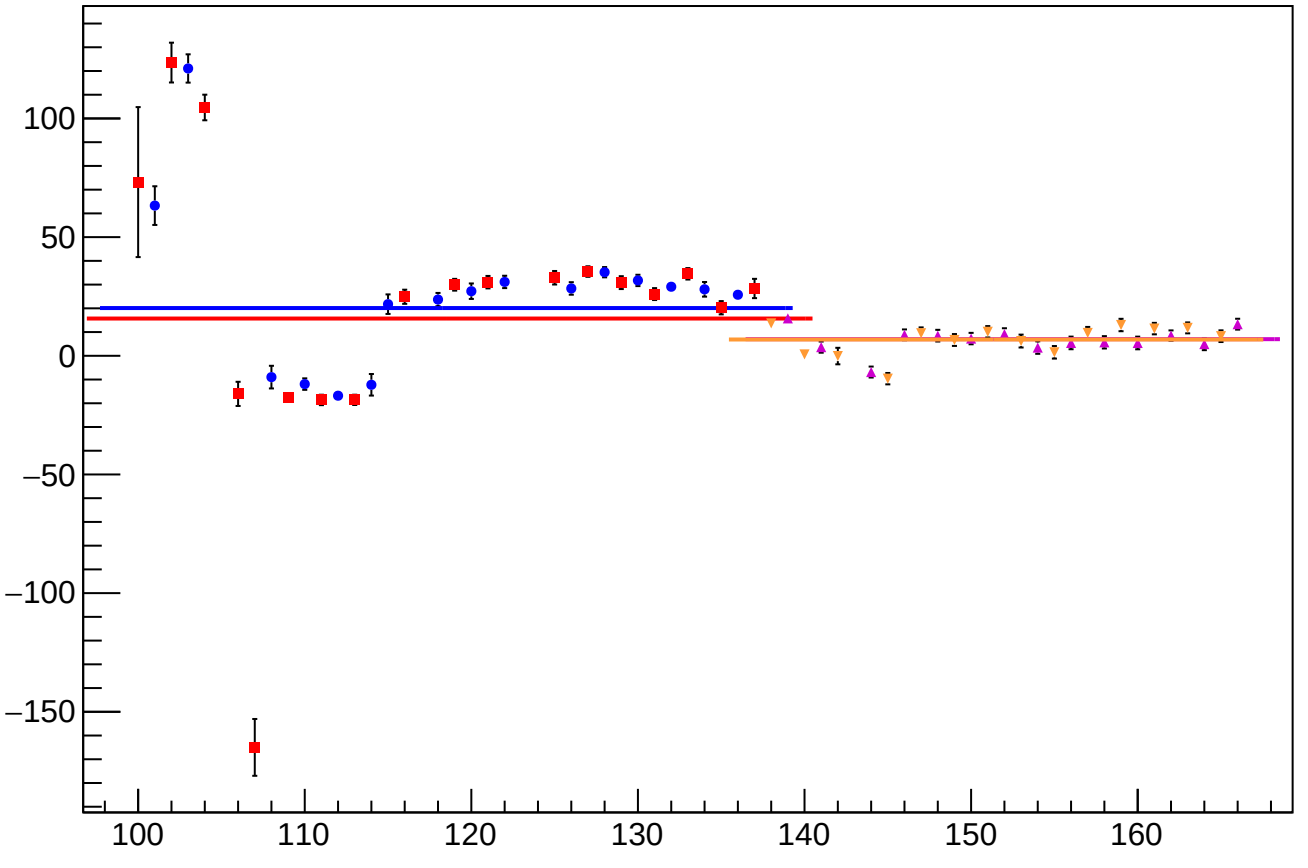
Left: 106.783+/-0.029 χ^2/NDF: 69049.5/27

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 78.802+/-0.030 χ^2/NDF:2178482.0/29

Out: 77.571+/-0.031 χ^2/NDF:1935154.8/31

All: 78.200+/-0.021 χ^2/NDF: 4114463.4/61



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.868+/-0.657 χ^2/NDF:93.4/13

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 7.010+/-0.640 χ^2/NDF:70.4/13

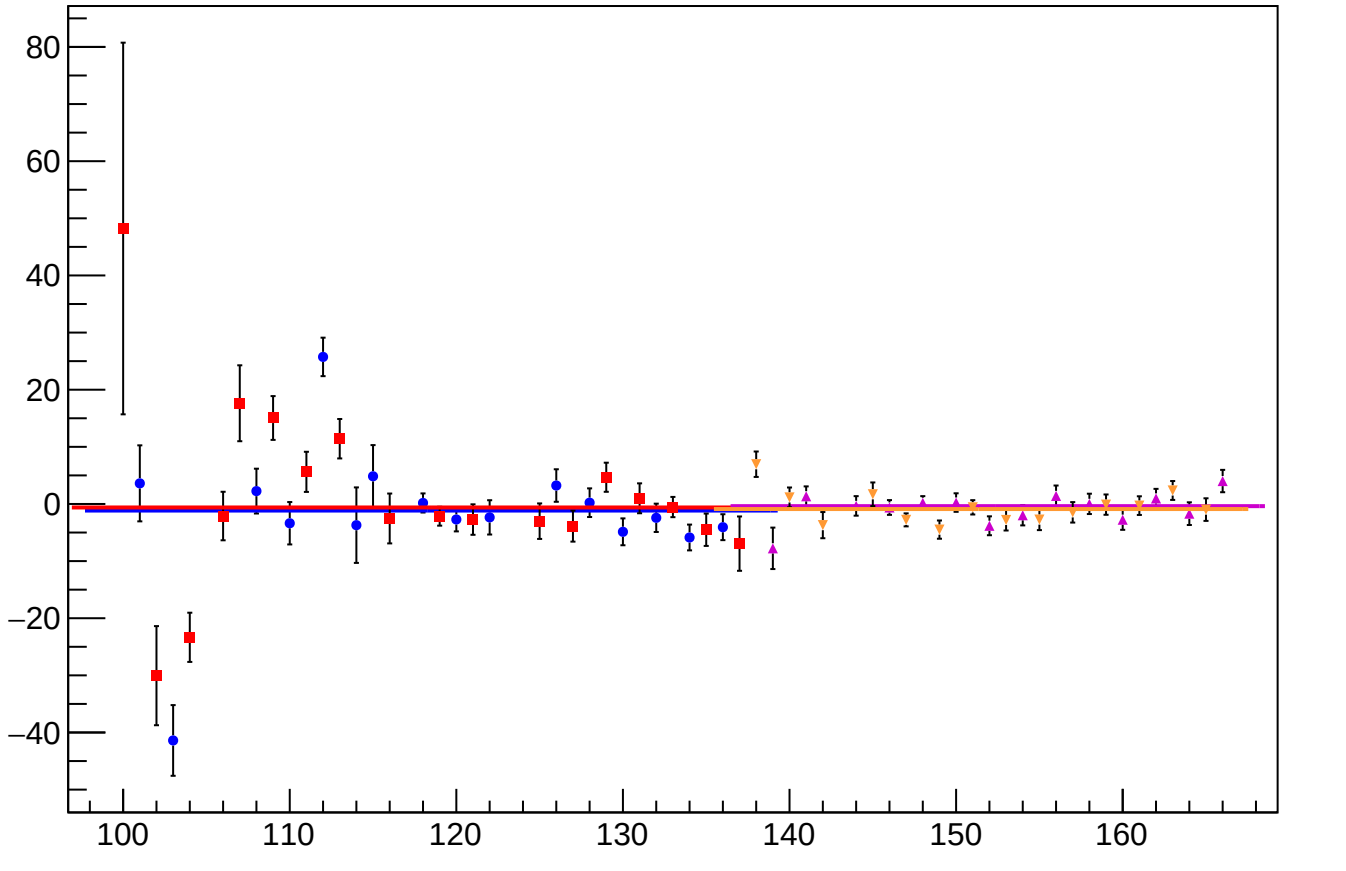
Left: 6.941+/-0.458 χ^2/NDF: 163.9/27

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

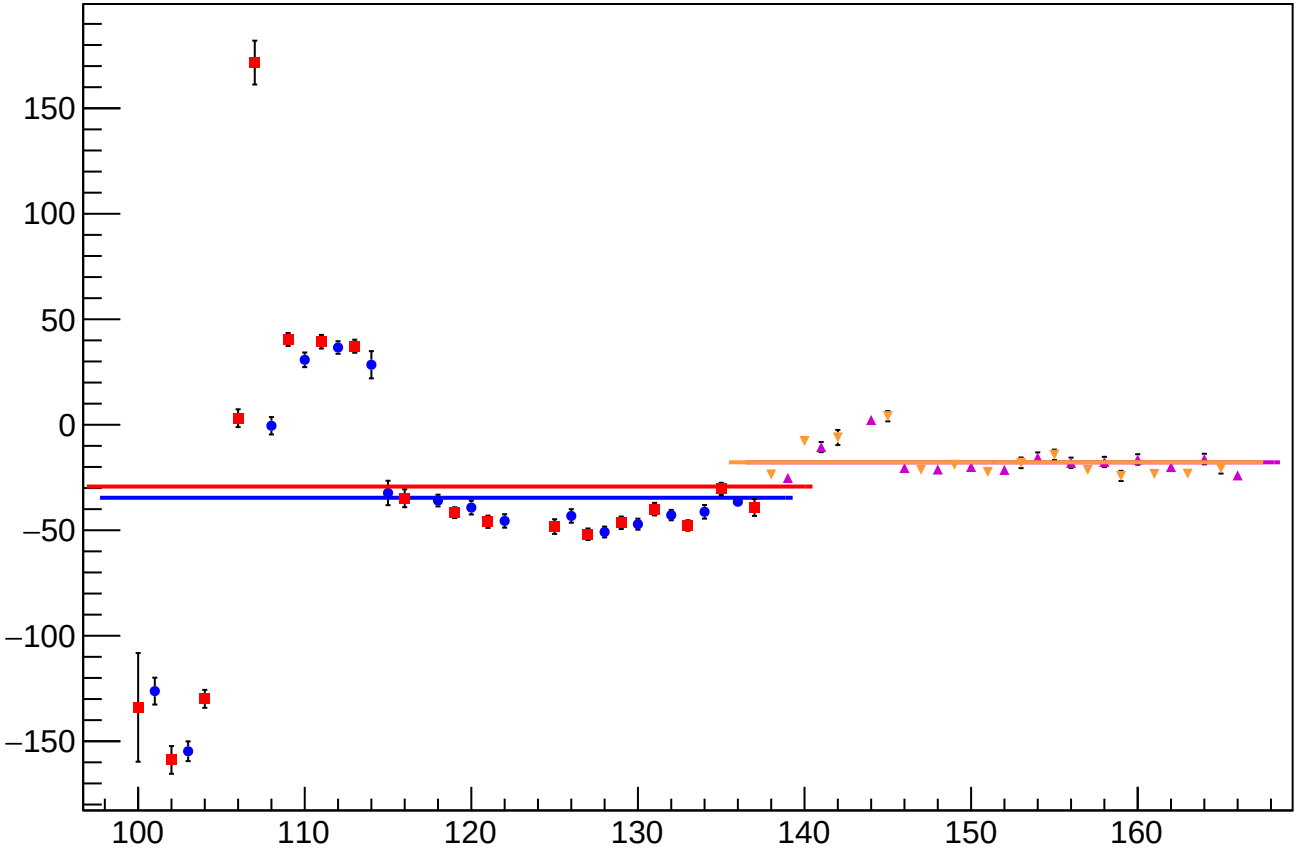
In: 13.100+/-0.468 χ^2/NDF:1313.4/29

Out: 11.116+/-0.473 χ^2/NDF:1954.3/31

All: 12.118+/-0.333 χ^2/NDF: 3276.5/61


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -0.889+/-0.449 χ²/NDF:31.2/13
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.381+/-0.449 χ²/NDF:19.6/13
Left: -0.635+/-0.317 χ²/NDF: 51.4/27
Right: -0.888+/-0.499 χ²/NDF: 215.5/33
In: -0.606+/-0.378 χ²/NDF:142.3/29
Out: -0.811+/-0.380 χ²/NDF:124.6/31
All: -0.708+/-0.268 χ²/NDF: 267.1/61

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -17.790+/-0.636 χ^2/NDF:151.5/13

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.796+/-0.620 χ^2/NDF:109.6/13

Left: -17.793+/-0.444 χ^2/NDF: 261.0/27

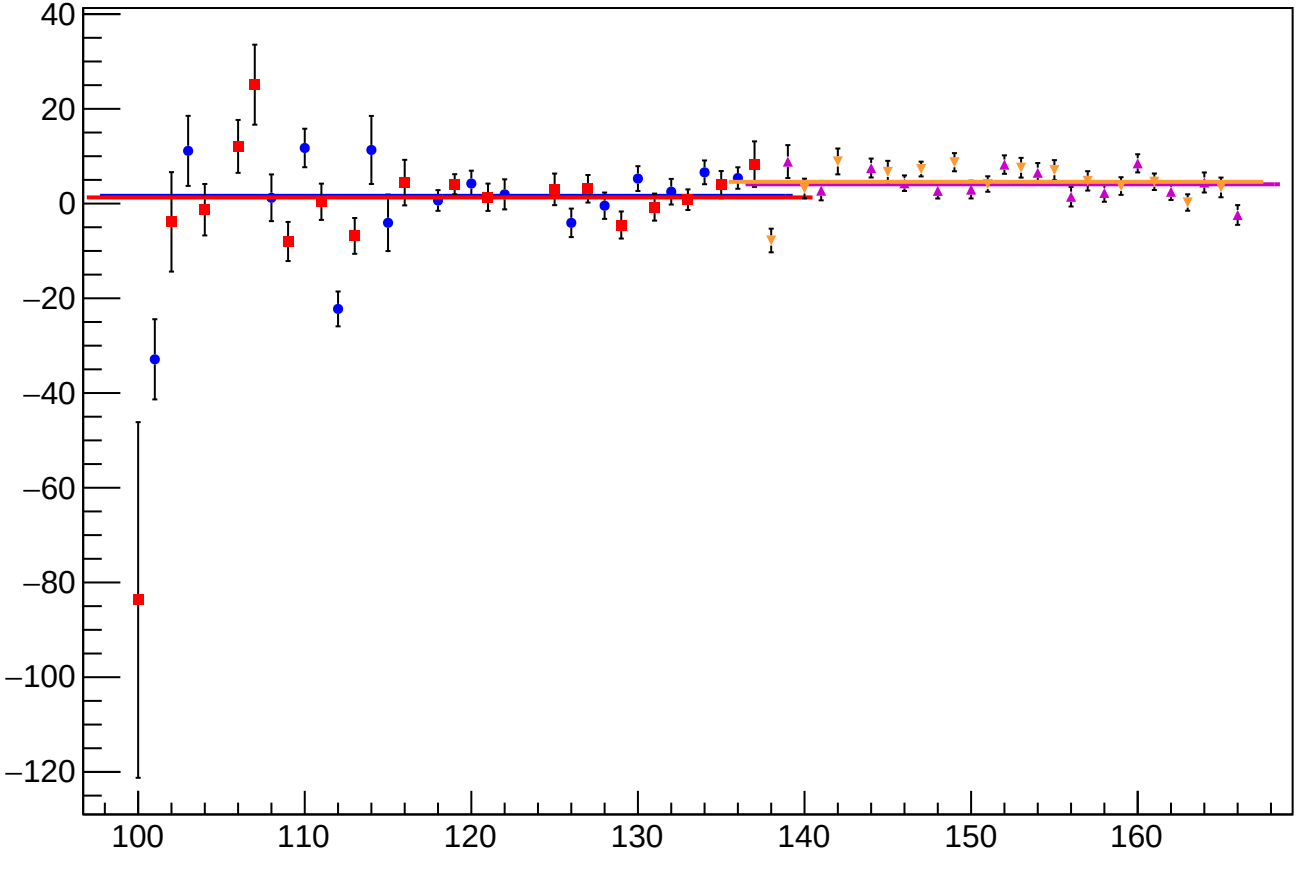
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.244+/-0.487 χ^2/NDF:2449.5/29

Out: -22.239+/-0.498 χ^2/NDF:3358.9/31

All: -23.263+/-0.348 χ^2/NDF: 5816.7/61

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.594+/-0.524 χ^2/NDF:46.4/13

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.071+/-0.521 χ^2/NDF:30.8/13

Left: 4.331+/-0.369 χ^2/NDF: 77.8/27

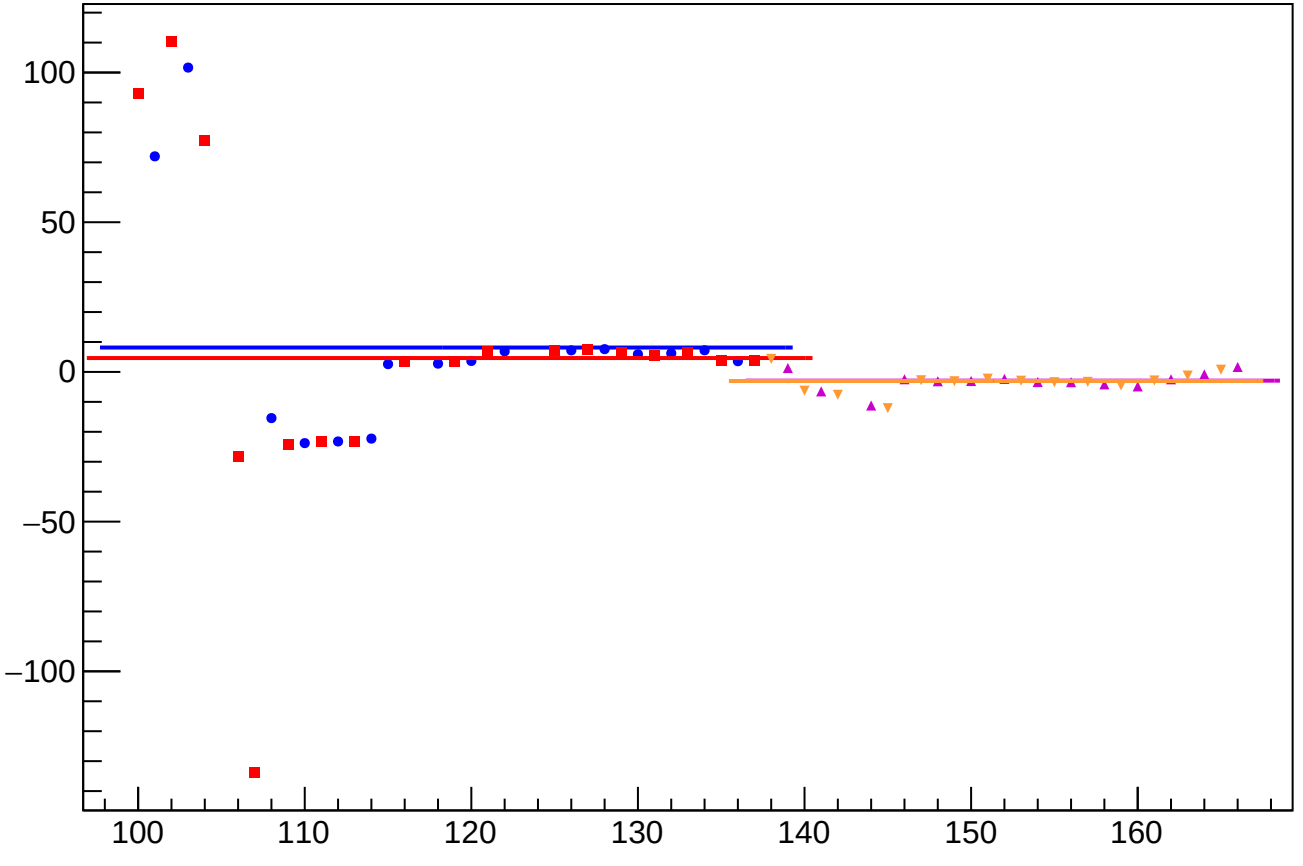
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.341+/-0.436 χ^2/NDF:120.7/29

Out: 3.633+/-0.441 χ^2/NDF:95.5/31

All: 3.485+/-0.310 χ^2/NDF: 216.4/61

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.033+/-0.024 χ^2/NDF:21102.6/13

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.914+/-0.023 χ^2/NDF:14412.1/13

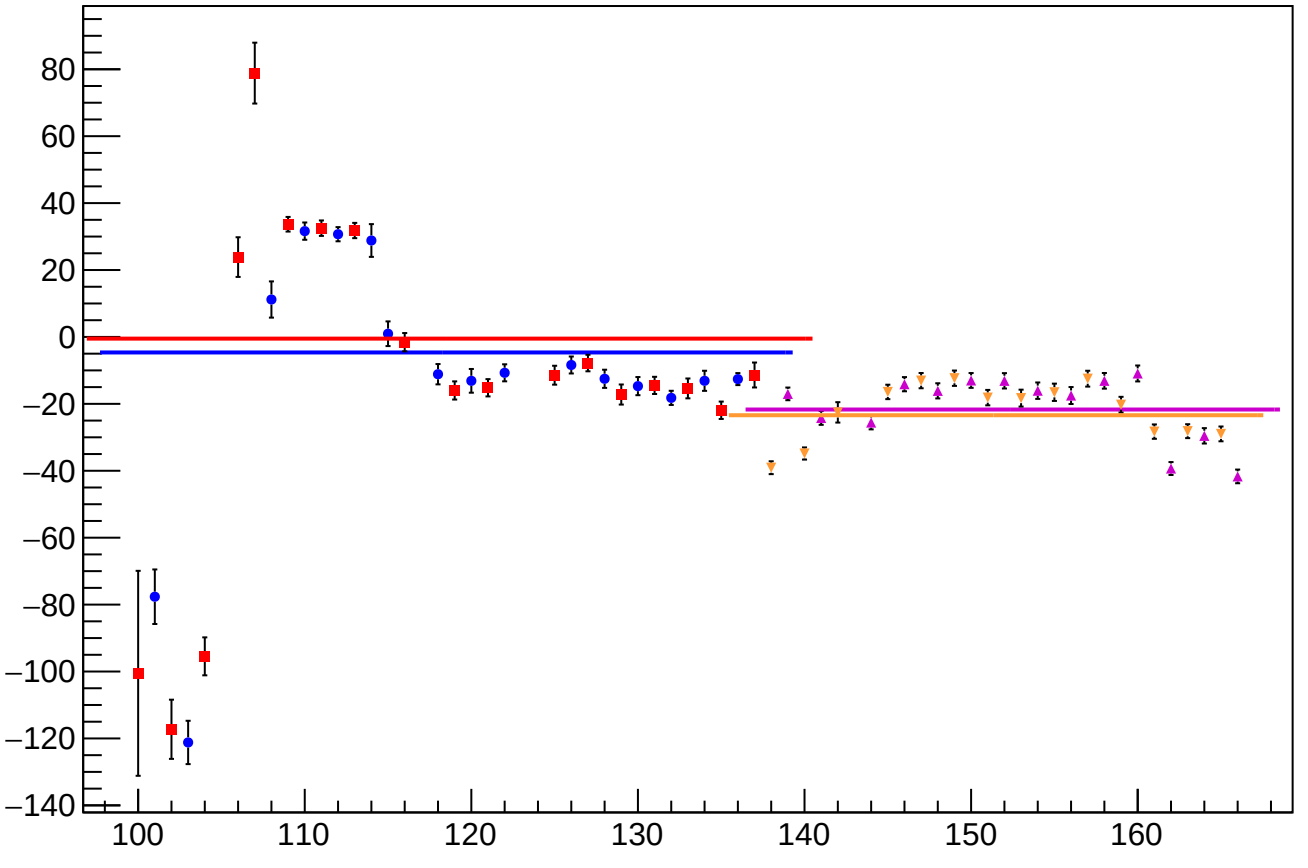
Left: -2.972+/-0.017 χ^2/NDF: 35527.2/27

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.827+/-0.021 χ^2/NDF:370179.3/29

Out: -1.683+/-0.022 χ^2/NDF:486056.7/31

All: -1.241+/-0.015 χ^2/NDF: 857038.1/61



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.399+/-0.599 χ^2/NDF:216.7/13

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.693+/-0.583 χ^2/NDF:291.8/13

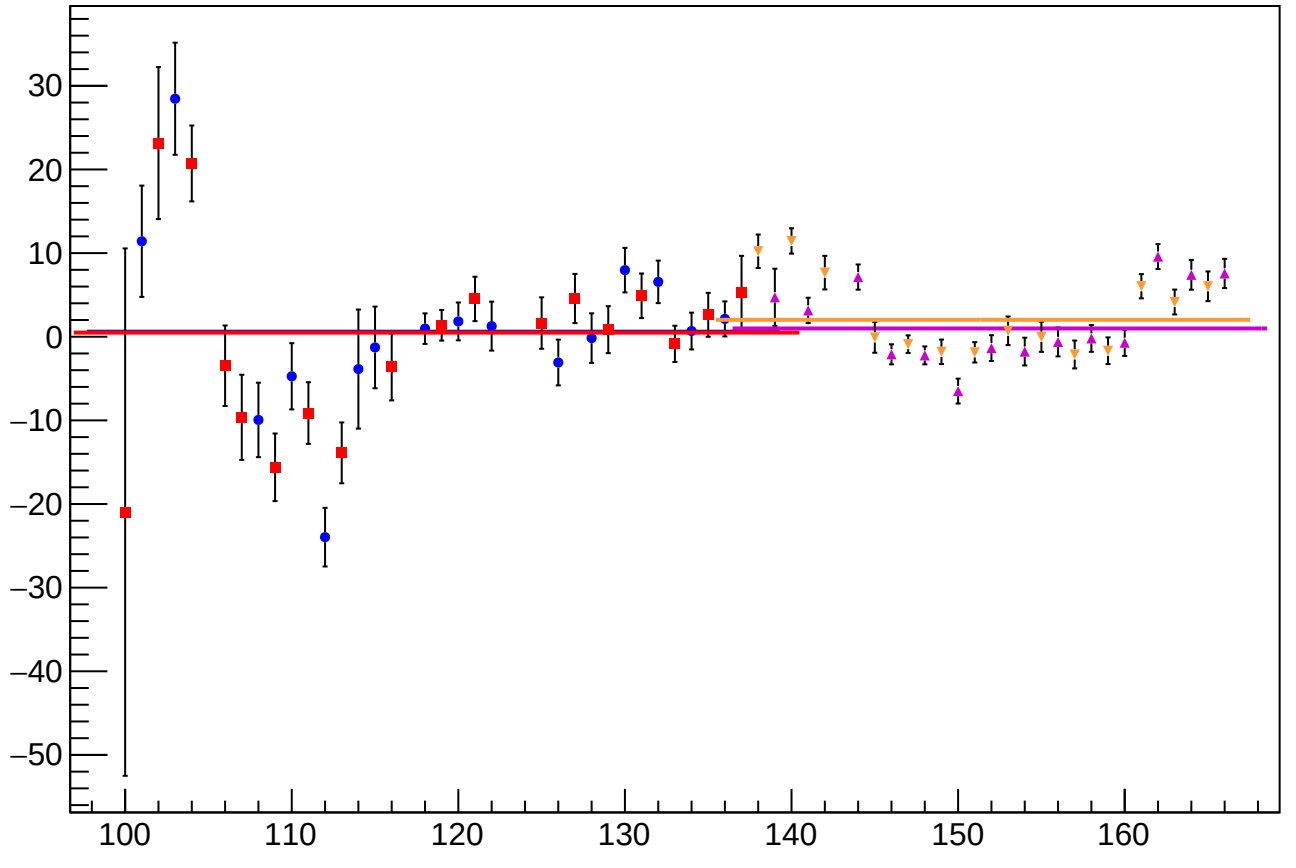
Left: -22.523+/-0.418 χ^2/NDF: 512.7/27

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -14.843+/-0.451 χ^2/NDF:1681.7/29

Out: -13.890+/-0.458 χ^2/NDF:2280.9/31

All: -14.374+/-0.321 χ^2/NDF: 3964.9/61



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.023+/-0.411 χ^2/NDF:117.5/13

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.989+/-0.409 χ^2/NDF:129.0/13

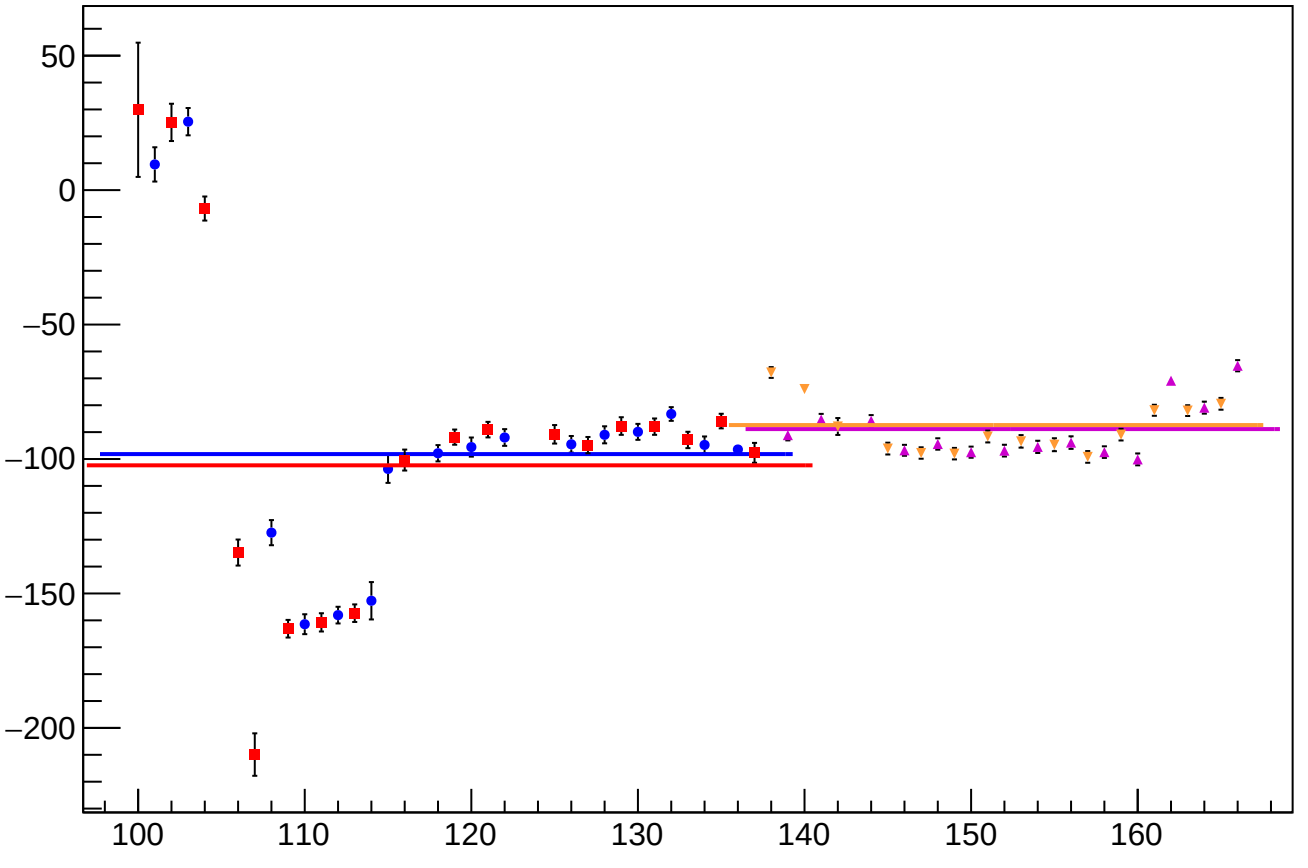
Left: 1.503+/-0.290 χ^2/NDF: 249.7/27

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.896+/-0.356 χ^2/NDF:222.1/29

Out: 1.674+/-0.361 χ^2/NDF:200.8/31

All: 1.280+/-0.254 χ^2/NDF: 425.2/61



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.374+/-0.581 χ^2/NDF:289.9/13

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.869+/-0.565 χ^2/NDF:347.8/13

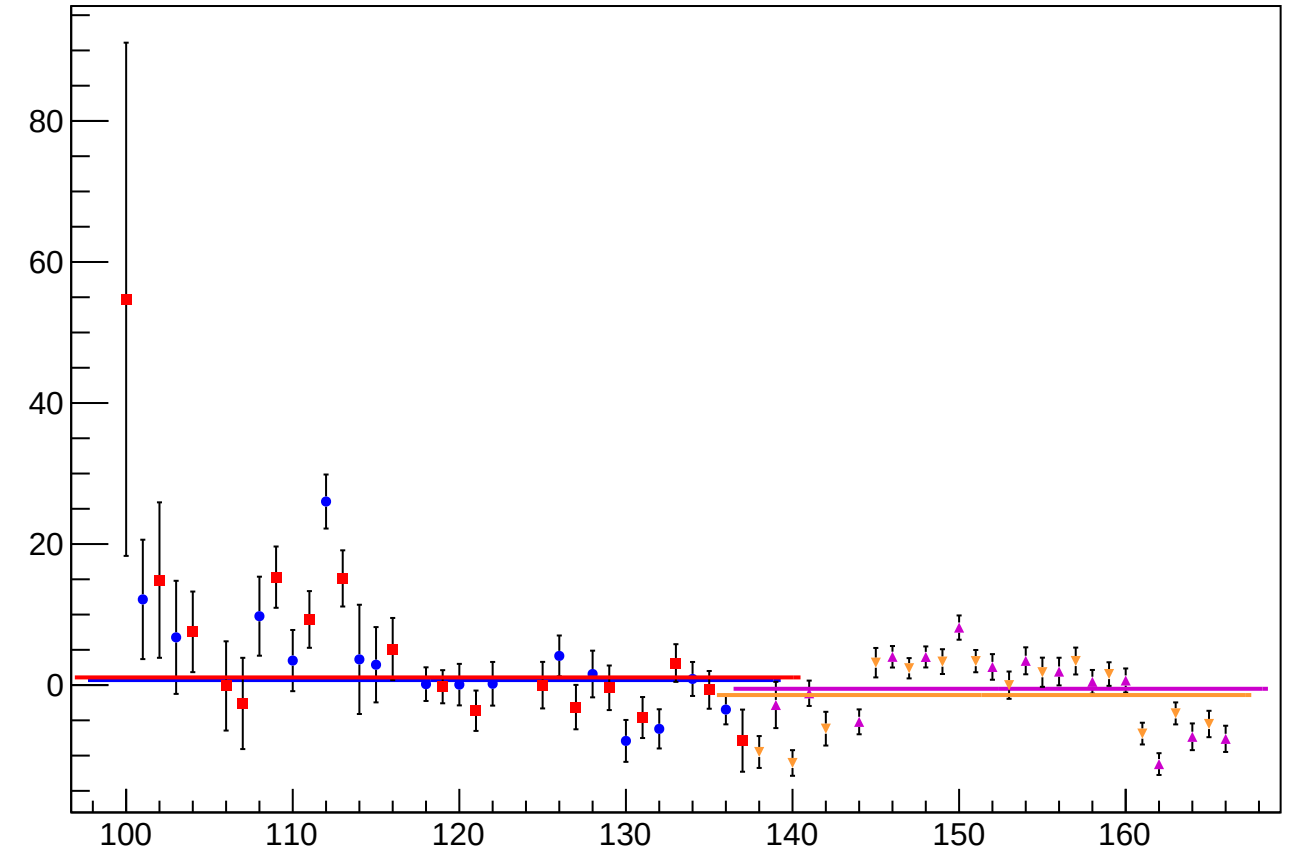
Left: -88.142+/-0.405 χ^2/NDF: 641.2/27

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -91.902+/-0.464 χ^2/NDF:2136.0/29

Out: -92.245+/-0.477 χ^2/NDF:2623.4/31

All: -92.069+/-0.333 χ^2/NDF: 4759.7/61



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.413+/-0.479 χ^2/NDF:105.9/13

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.525+/-0.473 χ^2/NDF:136.0/13

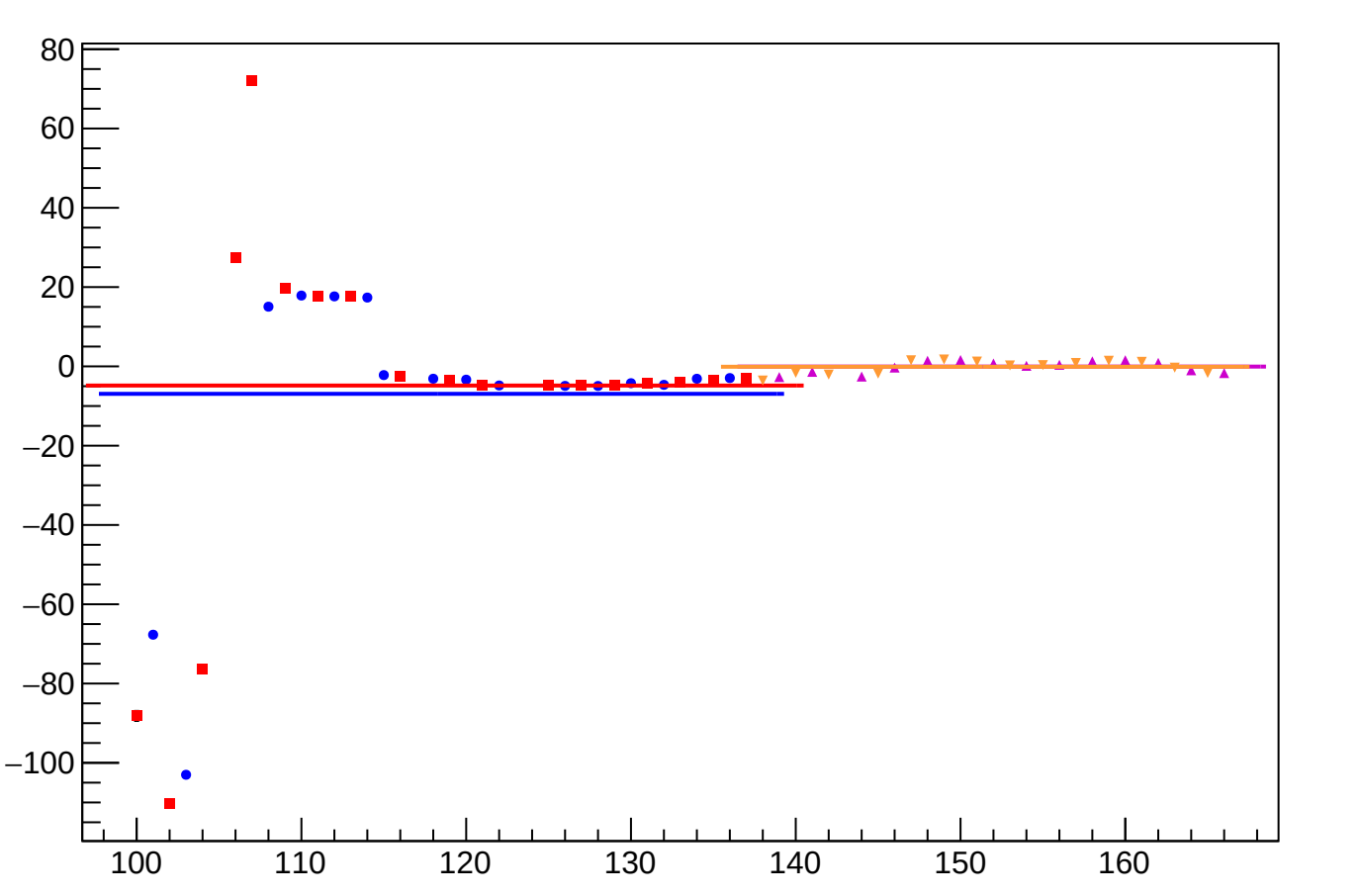
Left: -0.964+/-0.337 χ^2/NDF: 243.7/27

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

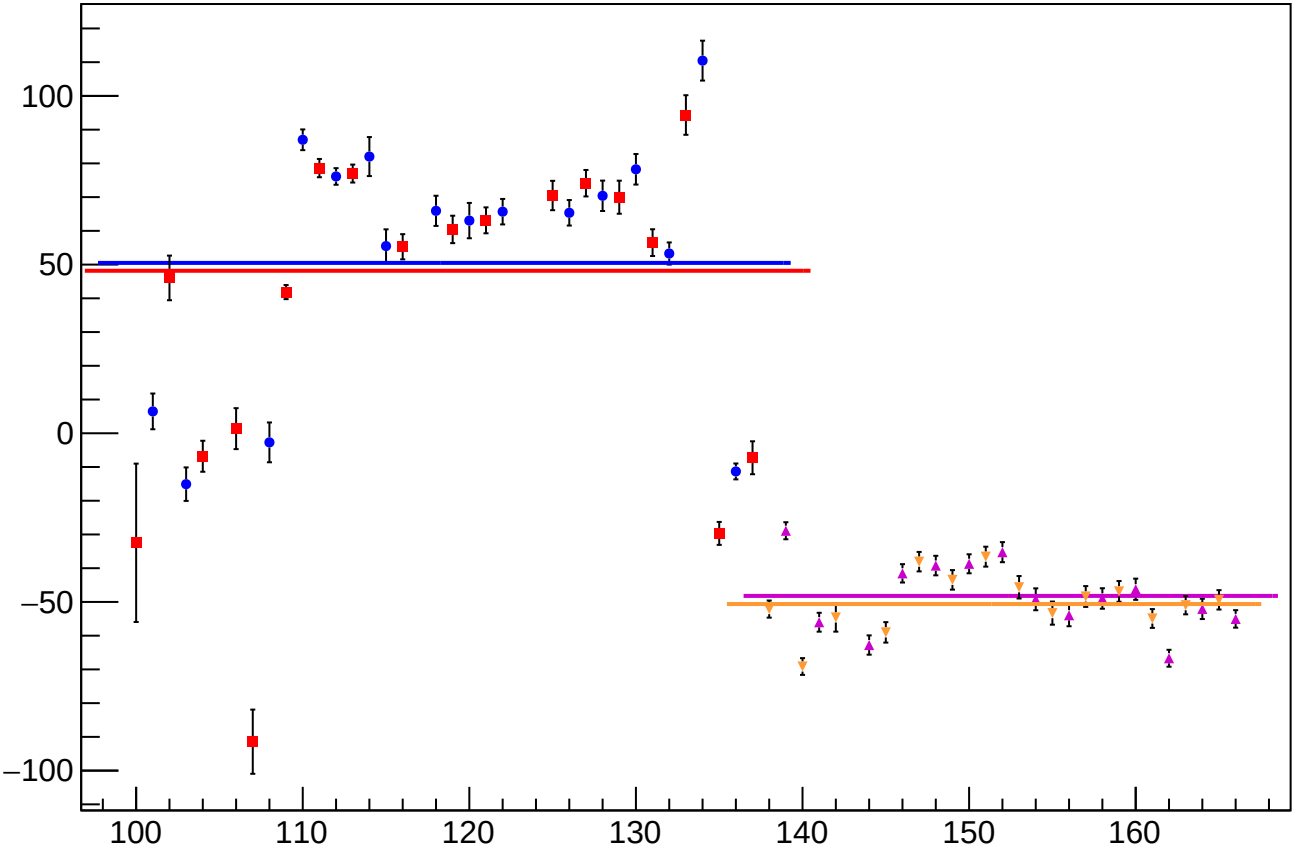
In: -0.217+/-0.410 χ^2/NDF:207.3/29

Out: -0.818+/-0.418 χ^2/NDF:160.1/31

All: -0.512+/-0.293 χ^2/NDF: 368.5/61


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
110
120
130
140
150
160
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -0.095+/-0.022 χ²/NDF:5138.6/13
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -0.055+/-0.021 χ²/NDF:4623.7/13
Left: -0.074+/-0.015 χ²/NDF: 9764.0/27
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.166+/-0.020 χ²/NDF:286621.1/29
Out: -0.790+/-0.020 χ²/NDF:351371.7/31
All: -0.985+/-0.014 χ²/NDF: 638171.7/61

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.623+/-0.788 χ^2/NDF:119.7/13

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -48.211+/-0.763 χ^2/NDF:205.0/13

Left: -49.379+/-0.548 χ^2/NDF: 329.5/27

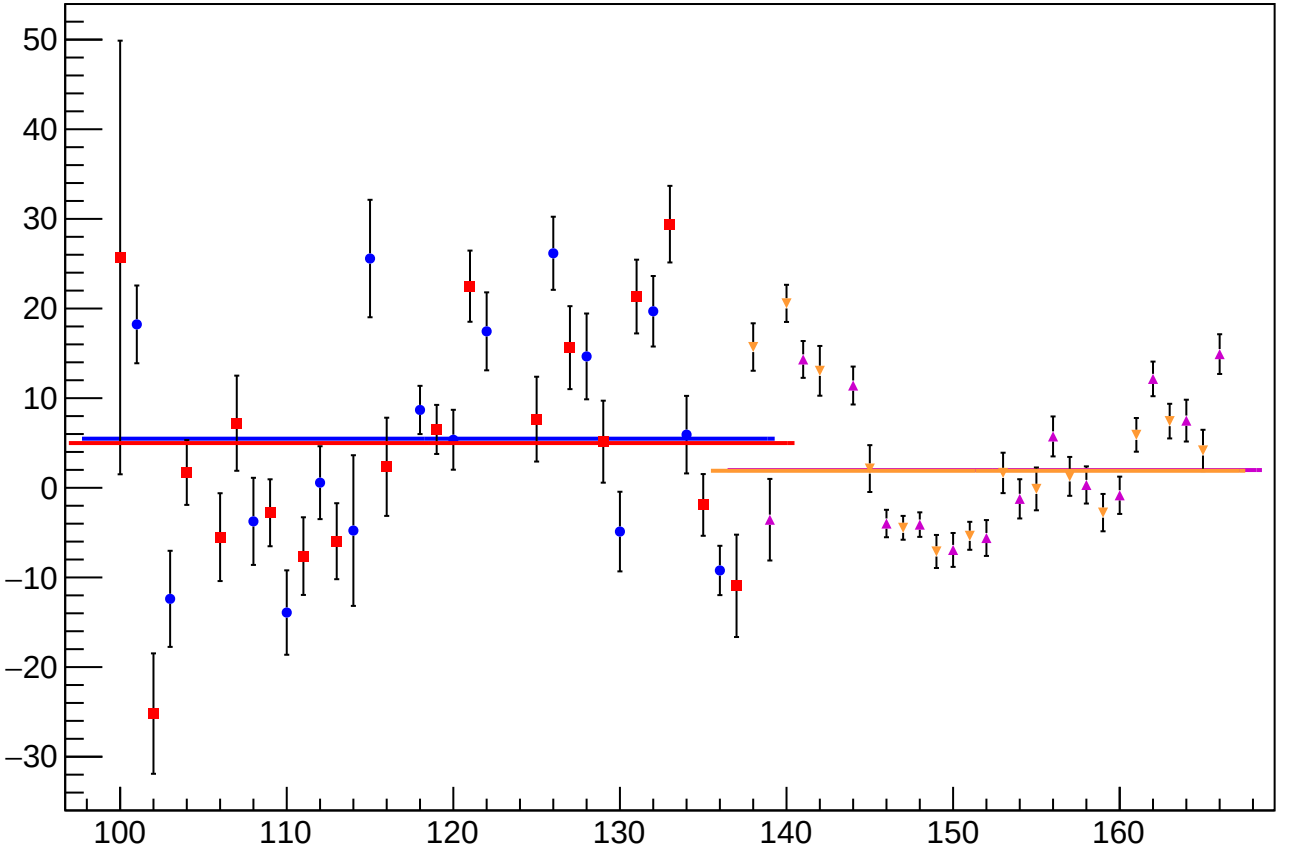
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -10.242+/-0.599 χ^2/NDF:8143.4/29

Out: -8.520+/-0.597 χ^2/NDF:8339.5/31

All: -9.379+/-0.423 χ^2/NDF: 16487.0/61

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.902+/-0.536 χ^2/NDF:212.5/13

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.981+/-0.532 χ^2/NDF:203.8/13

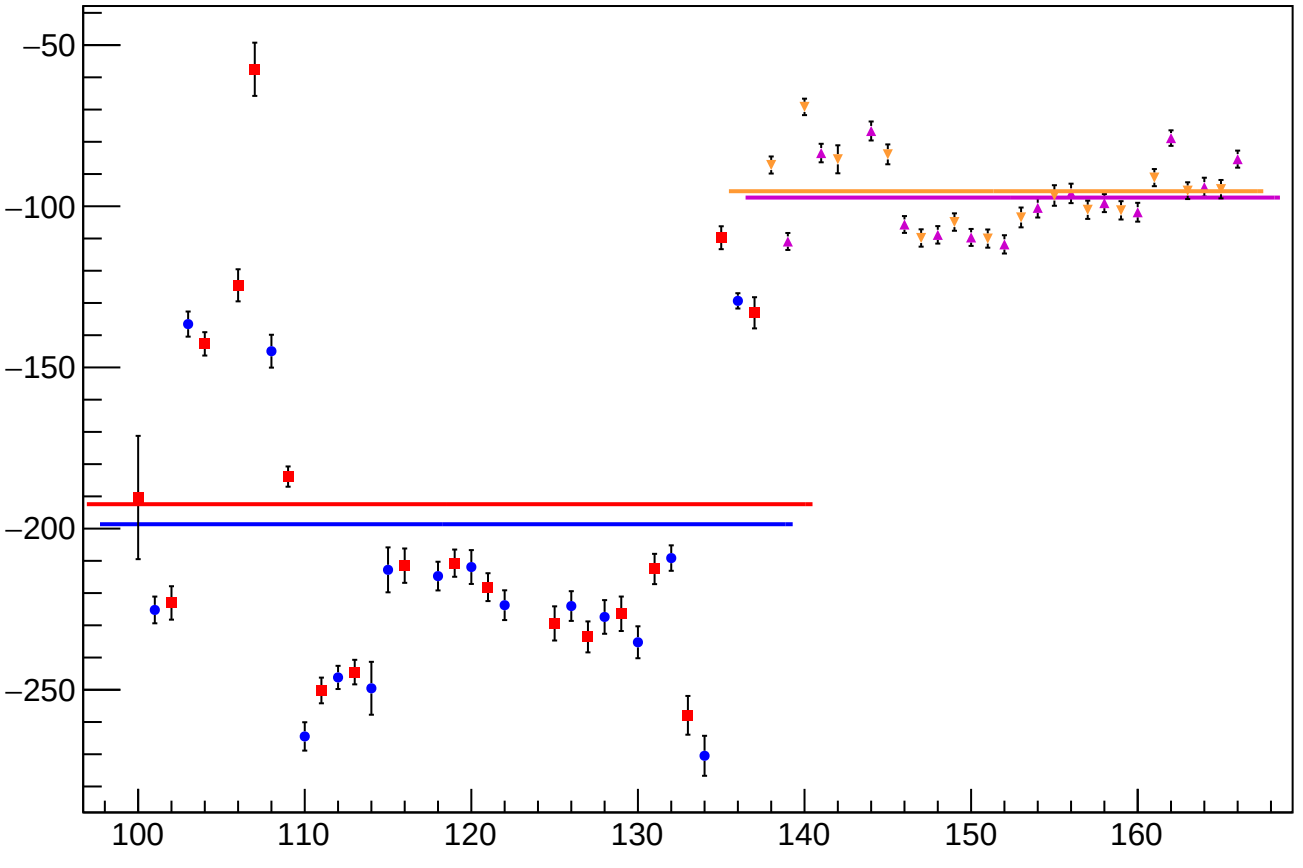
Left: 1.942+/-0.378 χ^2/NDF: 416.3/27

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

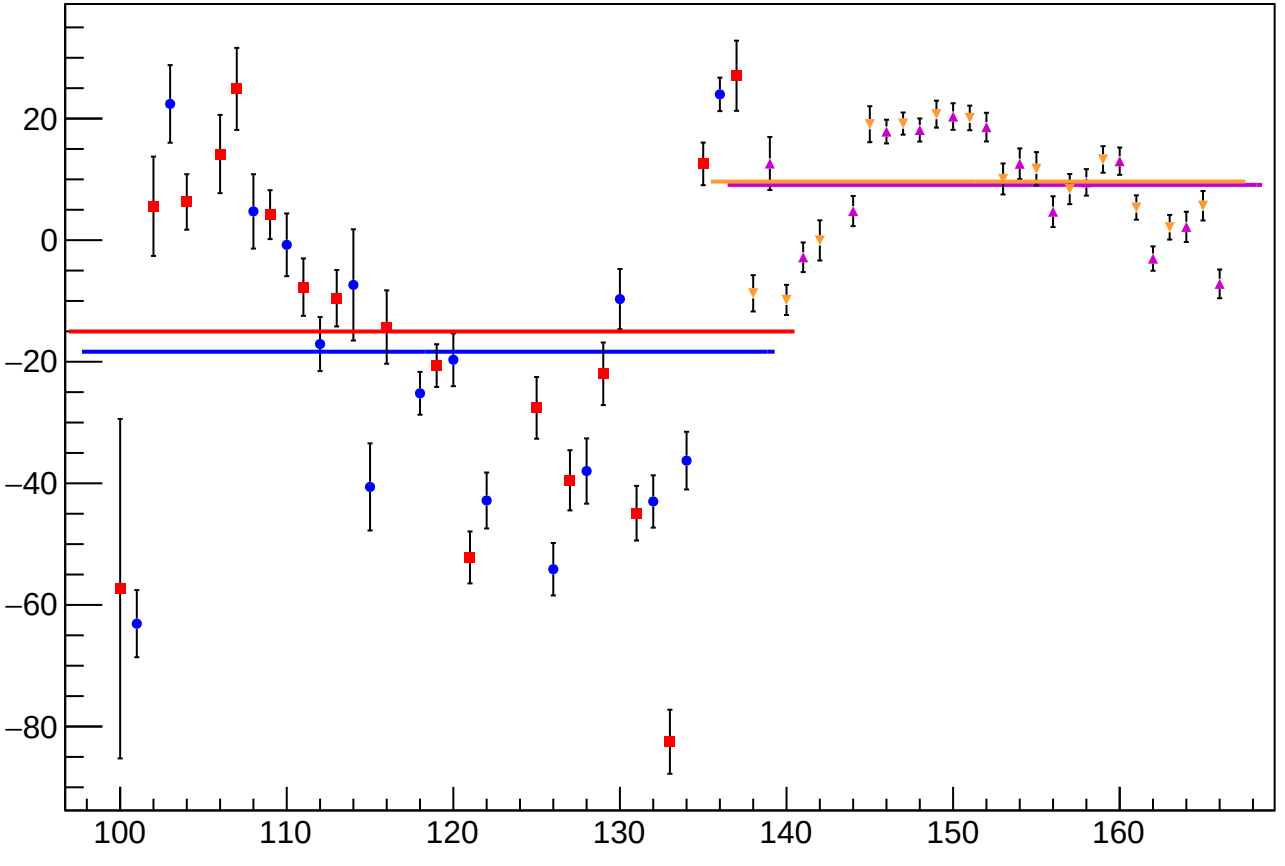
In: 2.729+/-0.472 χ^2/NDF:351.2/29

Out: 2.569+/-0.475 χ^2/NDF:351.5/31

All: 2.649+/-0.335 χ^2/NDF: 702.7/61


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -95.330+/-0.763 χ²/NDF:220.5/13
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -97.304+/-0.739 χ²/NDF:260.2/13
Left: -96.348+/-0.531 χ²/NDF: 484.1/27
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -129.494+/-0.611 χ²/NDF:8232.5/29
Out: -127.654+/-0.623 χ²/NDF:7754.0/31
All: -128.592+/-0.436 χ²/NDF: 15990.9/61

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 9.636+/-0.626 χ^2/NDF:222.0/13

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 9.089+/-0.617 χ^2/NDF:212.9/13

Left: 9.359+/-0.440 χ^2/NDF: 435.2/27

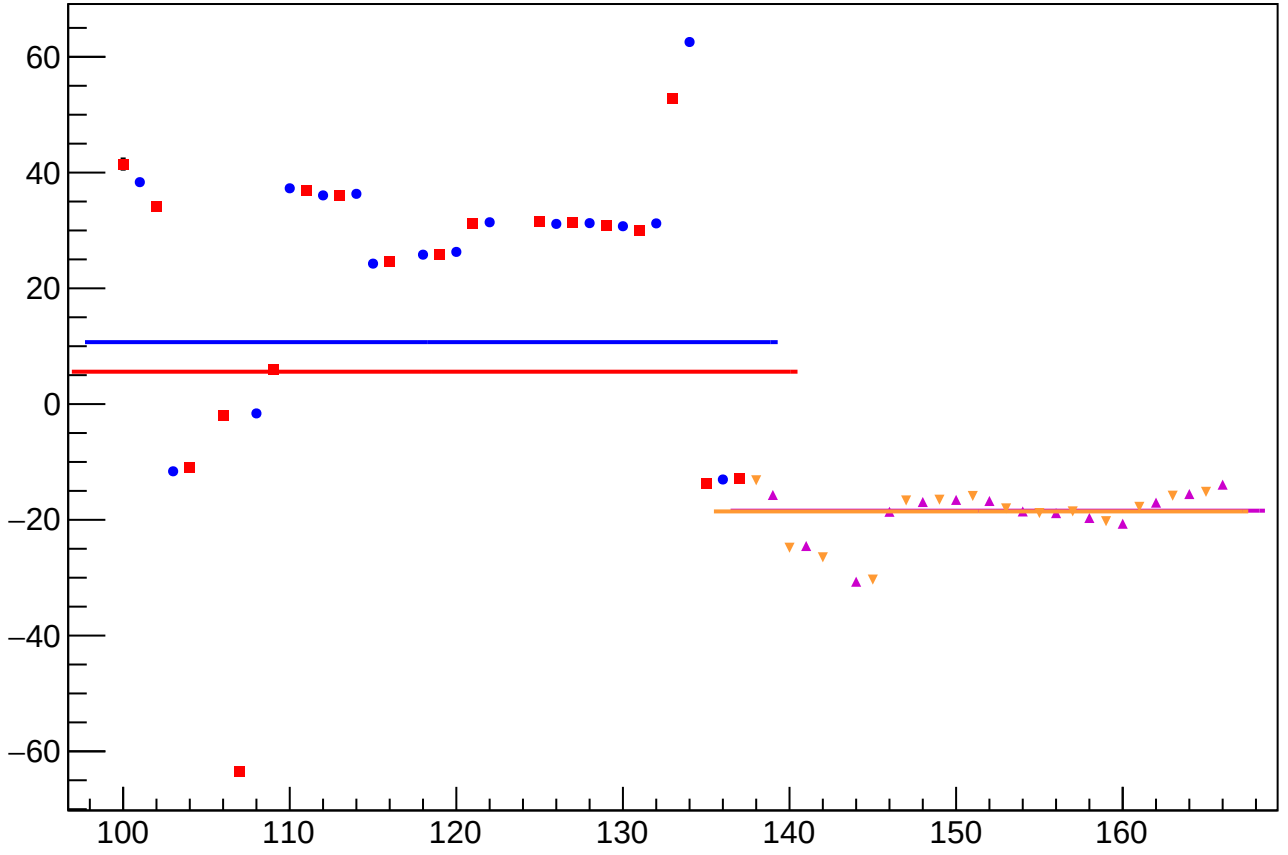
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.028+/-0.545 χ^2/NDF:1193.1/29

Out: 4.087+/-0.551 χ^2/NDF:1117.5/31

All: 3.552+/-0.387 χ^2/NDF: 2312.5/61

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.547+/-0.029 χ^2/NDF:20488.7/13

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.420+/-0.028 χ^2/NDF:16351.7/13

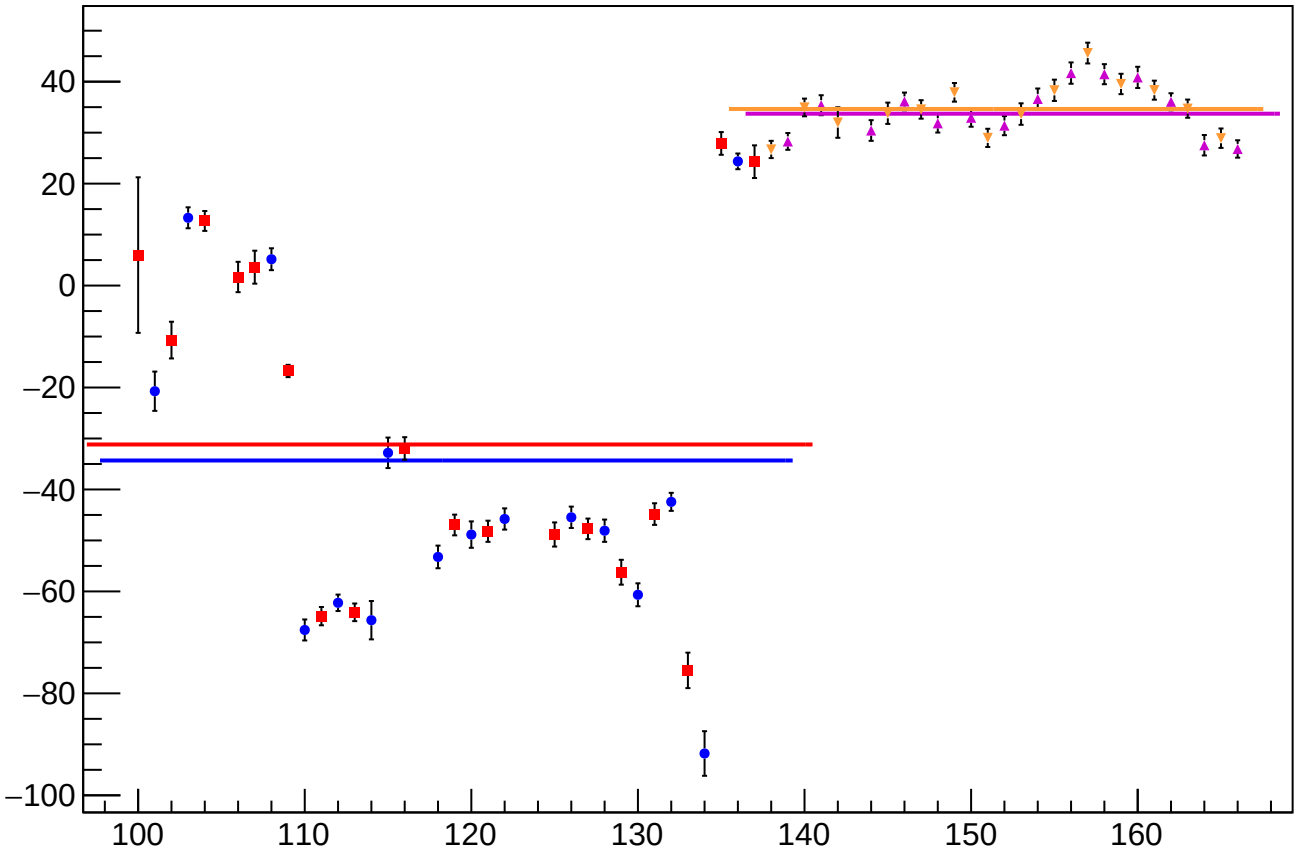
Left: -18.482+/-0.020 χ^2/NDF: 36850.5/27

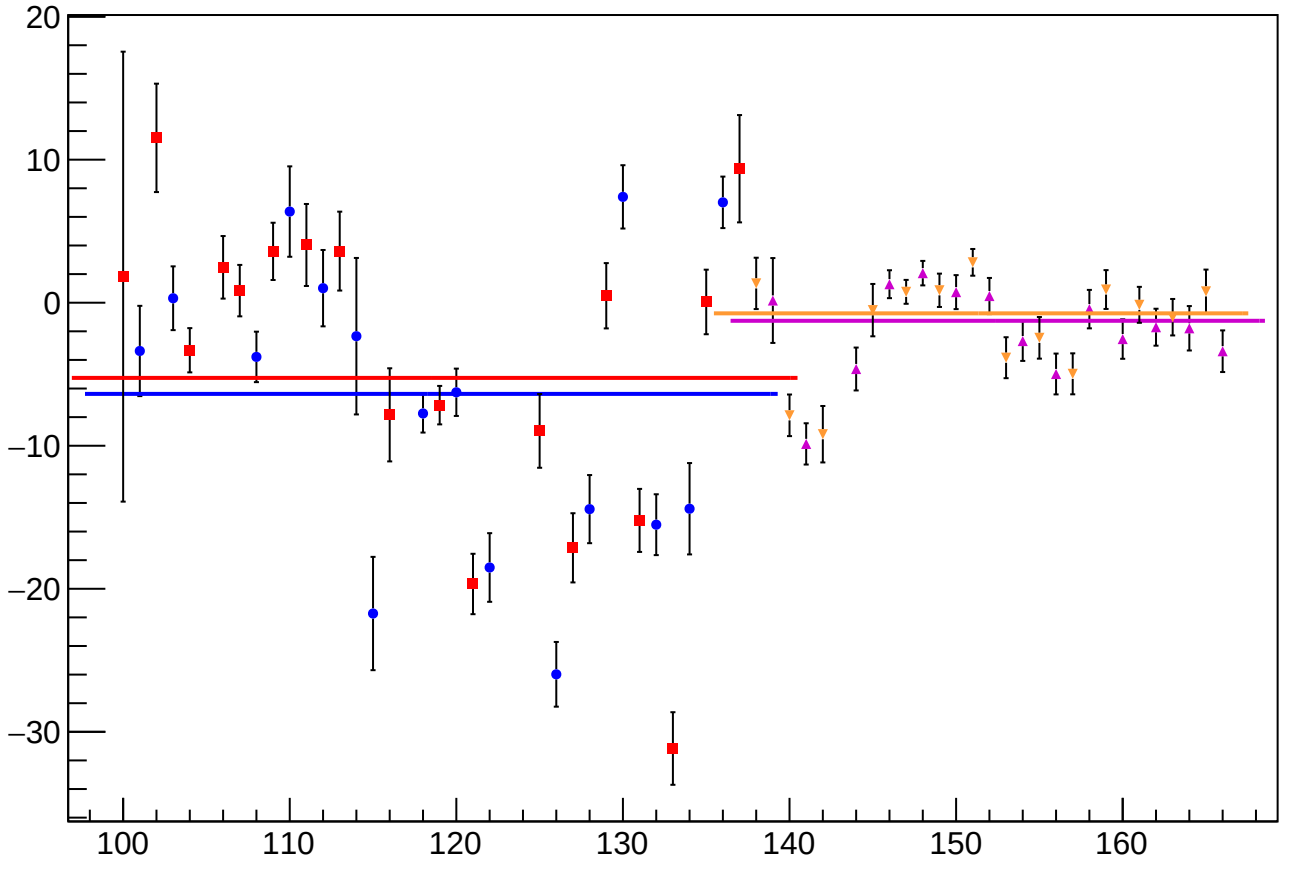
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.649+/-0.025 χ^2/NDF:360463.9/29

Out: -14.459+/-0.026 χ^2/NDF:295089.5/31

All: -14.043+/-0.018 χ^2/NDF: 656045.8/61


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 34.643+/-0.516 χ²/NDF:87.6/13
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 33.714+/-0.499 χ²/NDF:90.7/13
Left: 34.163+/-0.359 χ²/NDF: 179.9/27
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: 2.862+/-0.369 χ²/NDF:12019.8/29
Out: 1.747+/-0.365 χ²/NDF:11434.4/31
All: 2.298+/-0.259 χ²/NDF: 23458.8/61



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.744+/-0.347 χ^2/NDF:81.0/13

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.264+/-0.346 χ^2/NDF:79.0/13

Left: -1.005+/-0.245 χ^2/NDF: 161.2/27

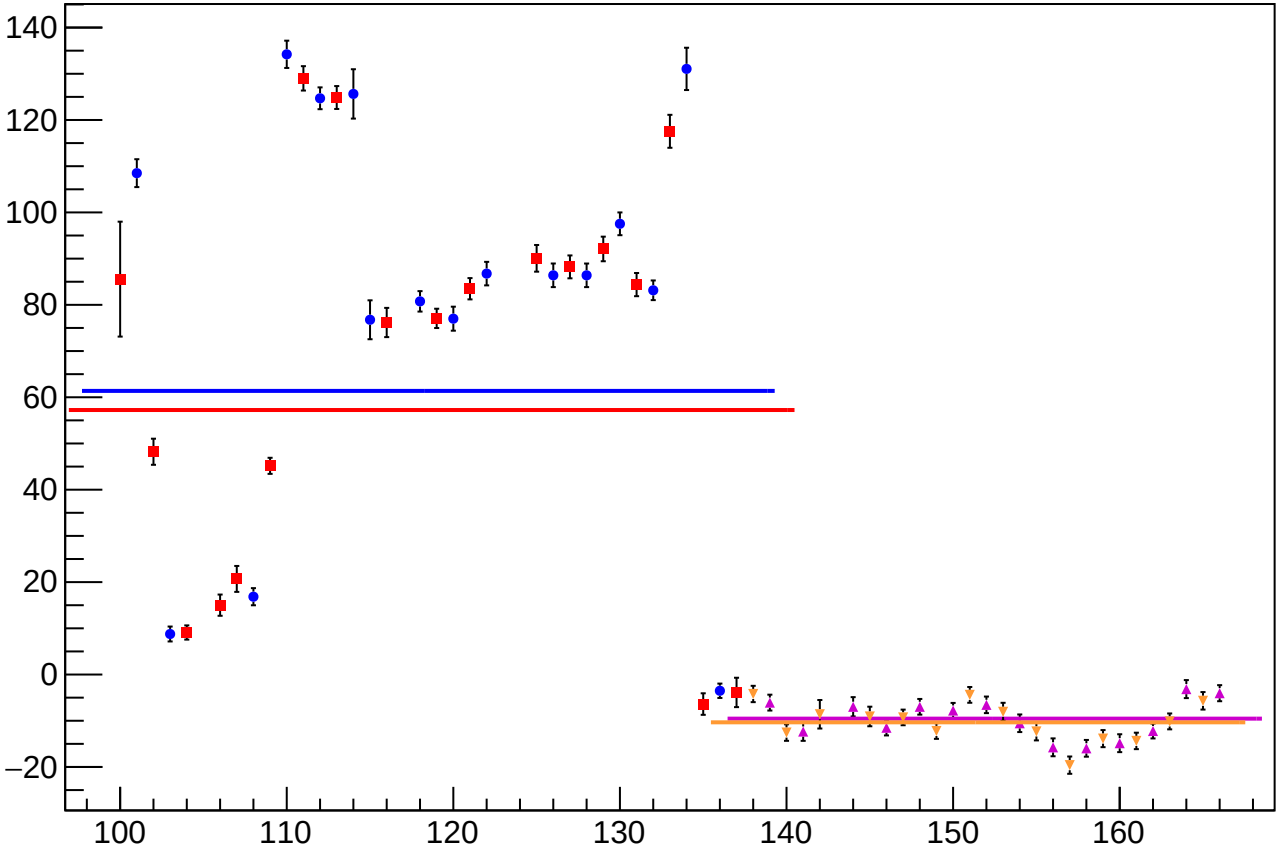
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.699+/-0.293 χ^2/NDF:424.0/29

Out: -2.087+/-0.290 χ^2/NDF:444.4/31

All: -2.390+/-0.206 χ^2/NDF: 870.6/61

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.340+/-0.498 χ^2/NDF:69.7/13

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.543+/-0.482 χ^2/NDF:69.3/13

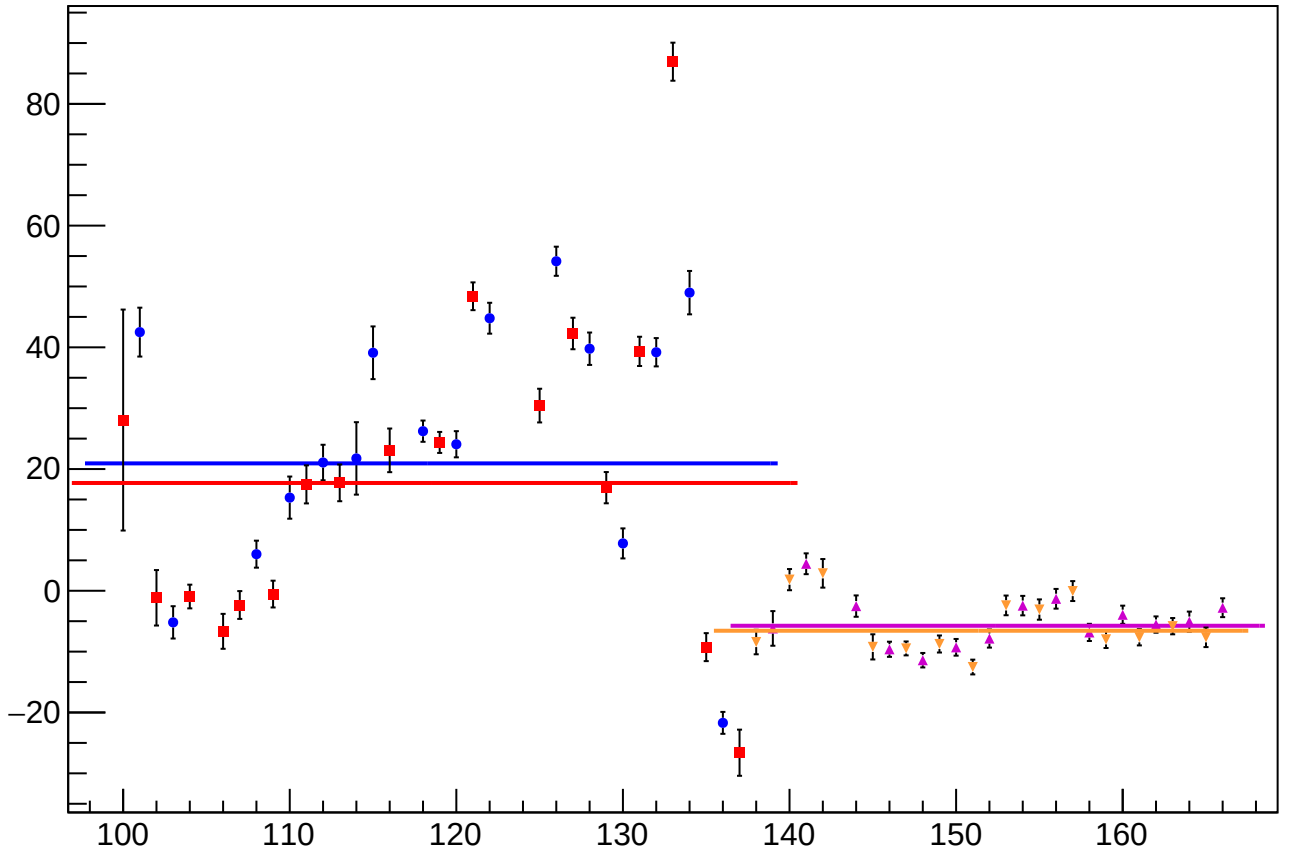
Left: -9.929+/-0.346 χ^2/NDF: 140.4/27

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

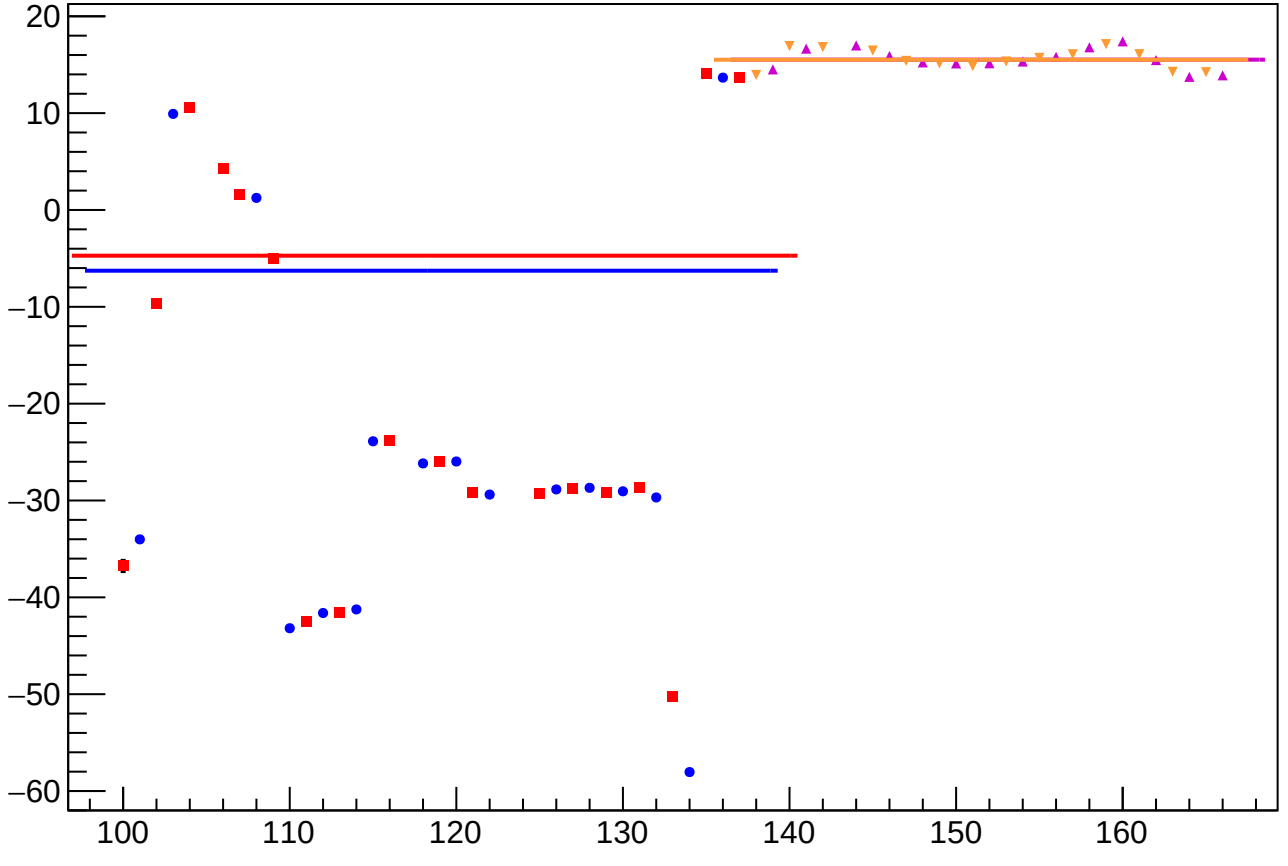
In: 18.623+/-0.375 χ^2/NDF:14720.7/29

Out: 18.303+/-0.378 χ^2/NDF:13154.2/31

All: 18.464+/-0.266 χ^2/NDF: 27875.3/61


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -6.569+/-0.406 χ²/NDF:104.1/13
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -5.750+/-0.402 χ²/NDF:97.5/13
Left: -6.155+/-0.286 χ²/NDF: 203.6/27
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 1.798+/-0.340 χ²/NDF:2588.6/29
Out: 0.756+/-0.340 χ²/NDF:2663.5/31
All: 1.276+/-0.240 χ²/NDF: 5256.8/61

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.512+/-0.019 χ^2/NDF:2748.6/13

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.521+/-0.018 χ^2/NDF:3134.6/13

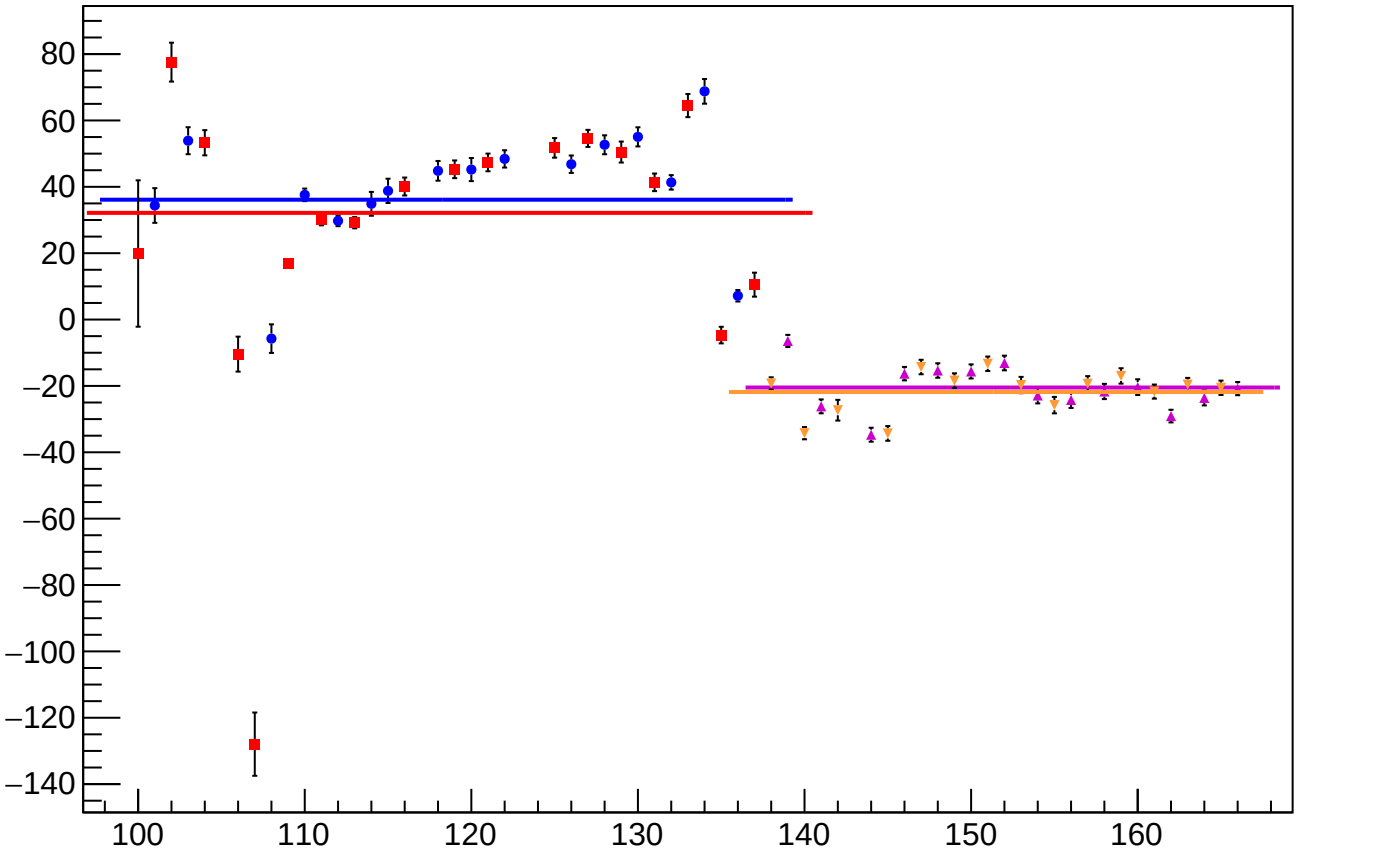
Left: 15.517+/-0.013 χ^2/NDF: 5883.3/27

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

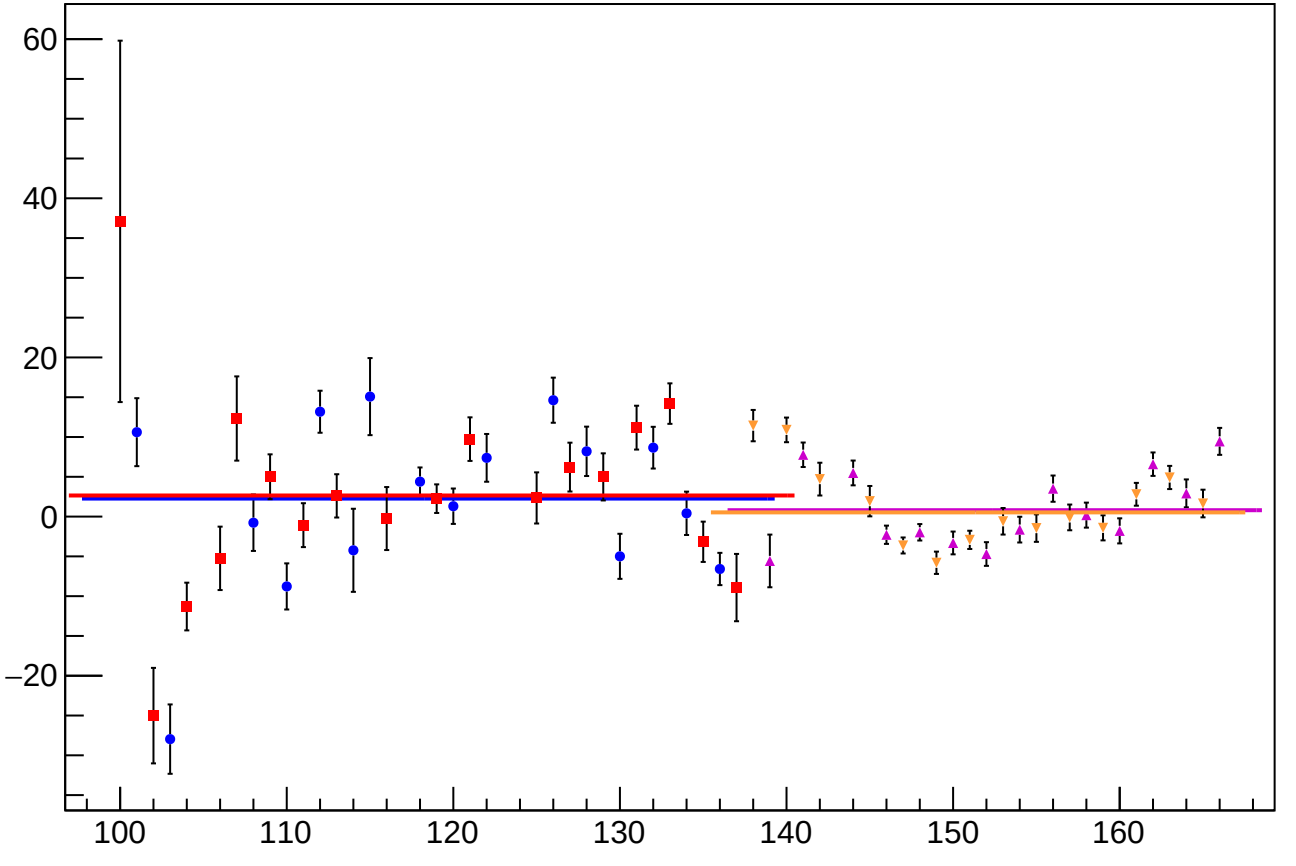
In: 10.564+/-0.016 χ^2/NDF:742138.3/29

Out: 10.749+/-0.016 χ^2/NDF:585175.9/31

All: 10.654+/-0.011 χ^2/NDF: 1327379.8/61


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -21.838+/-0.588 χ2/NDF:121.6/13
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -20.483+/-0.571 χ2/NDF:163.6/13
Left: -21.141+/-0.410 χ2/NDF: 287.9/27
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 3.916+/-0.431 χ2/NDF:5016.3/29
Out: 3.271+/-0.430 χ2/NDF:5156.7/31
All: 3.593+/-0.304 χ2/NDF: 10174.2/61

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.528+/-0.401 χ^2/NDF:142.2/13

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.802+/-0.400 χ^2/NDF:120.4/13

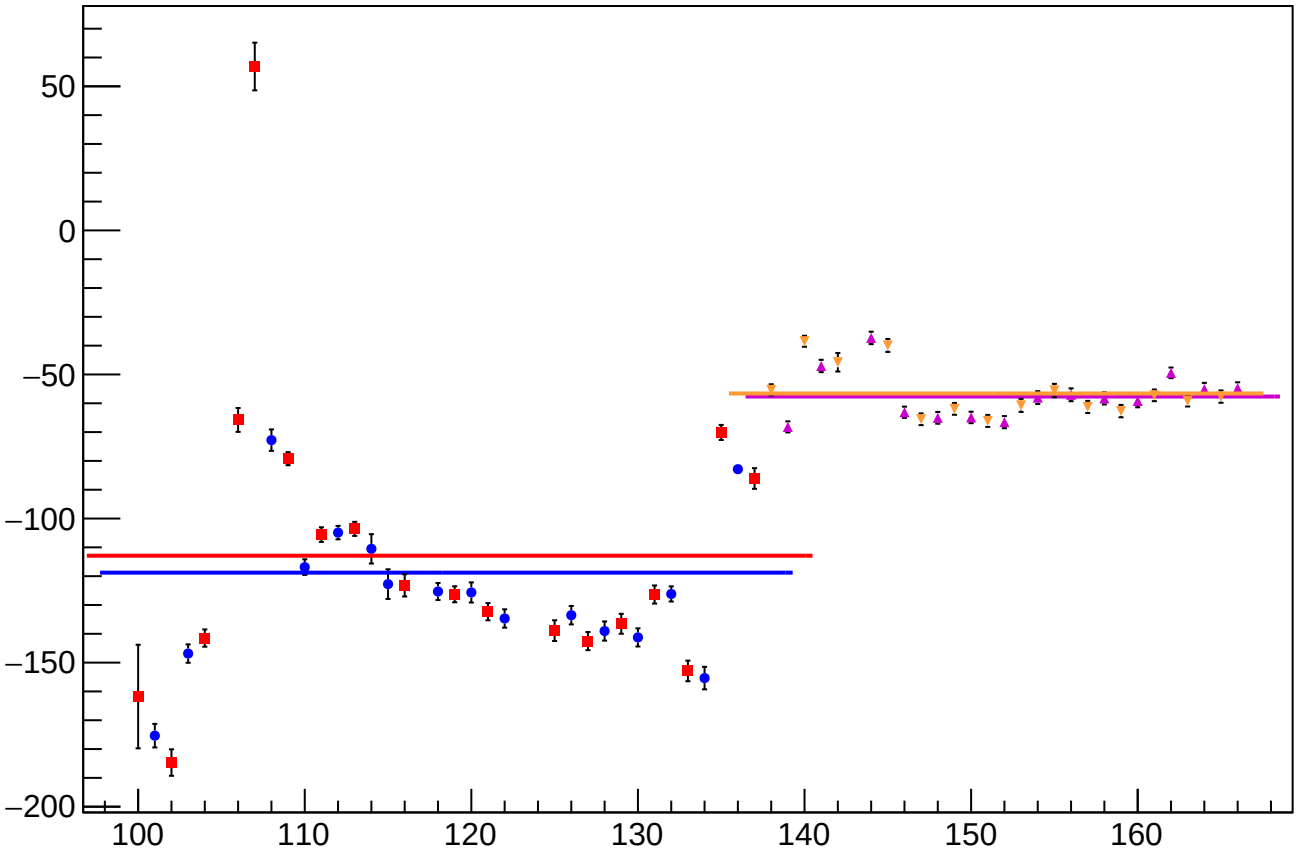
Left: 0.666+/-0.283 χ^2/NDF: 262.8/27

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.161+/-0.347 χ^2/NDF:275.7/29

Out: 1.036+/-0.350 χ^2/NDF:256.1/31

All: 1.099+/-0.247 χ^2/NDF: 531.9/61



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.598+/-0.569 χ^2/NDF:222.7/13

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.657+/-0.554 χ^2/NDF:219.1/13

Left: -57.143+/-0.397 χ^2/NDF: 443.5/27

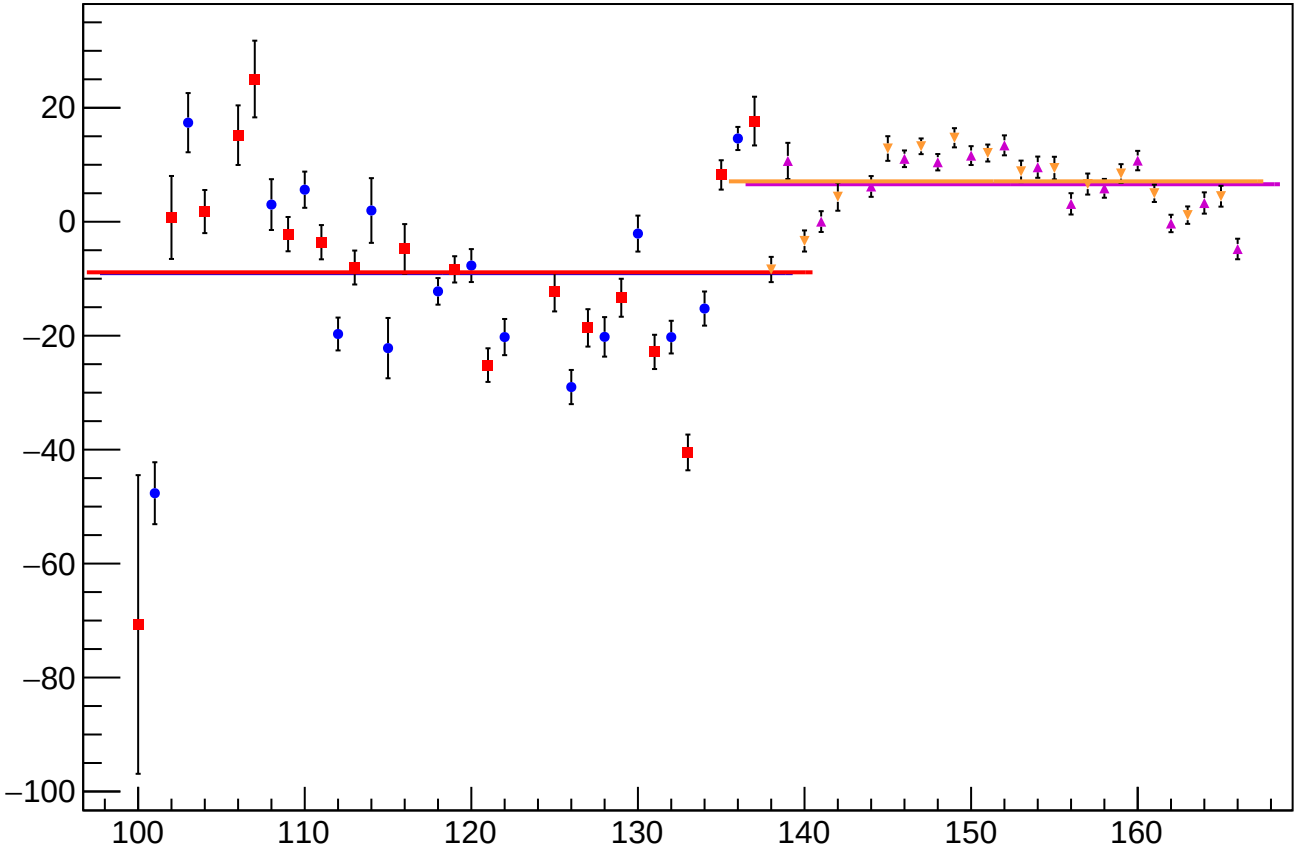
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.965+/-0.447 χ^2/NDF:5587.0/29

Out: -76.810+/-0.456 χ^2/NDF:5594.4/31

All: -77.909+/-0.319 χ^2/NDF: 11192.8/61

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 7.088+/-0.468 χ^2/NDF:162.7/13

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.582+/-0.464 χ^2/NDF:130.8/13

Left: 6.832+/-0.330 χ^2/NDF: 294.2/27

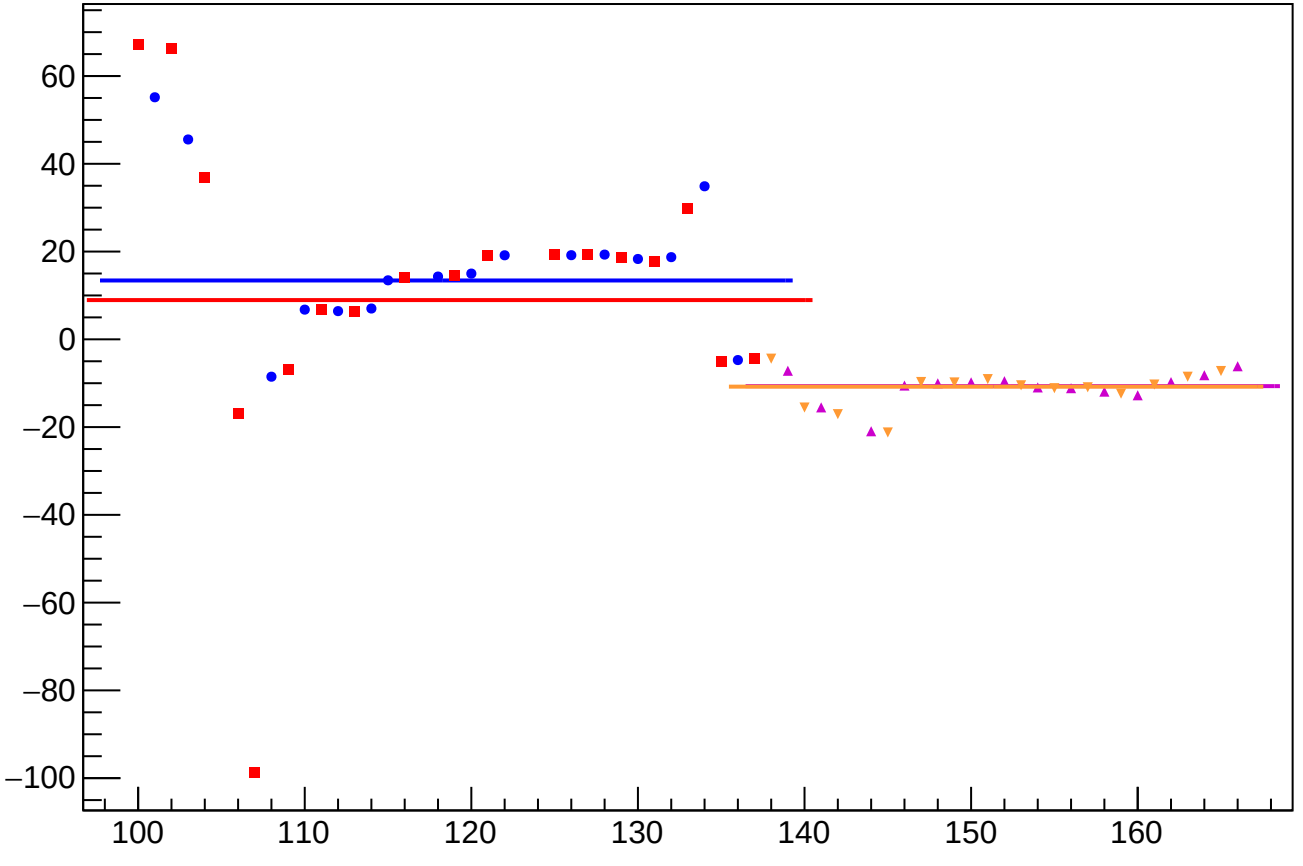
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.627+/-0.401 χ^2/NDF:776.0/29

Out: 3.090+/-0.406 χ^2/NDF:772.4/31

All: 2.855+/-0.285 χ^2/NDF: 1549.0/61

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.783+/-0.021 χ^2/NDF:30389.1/13

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.666+/-0.021 χ^2/NDF:22622.2/13

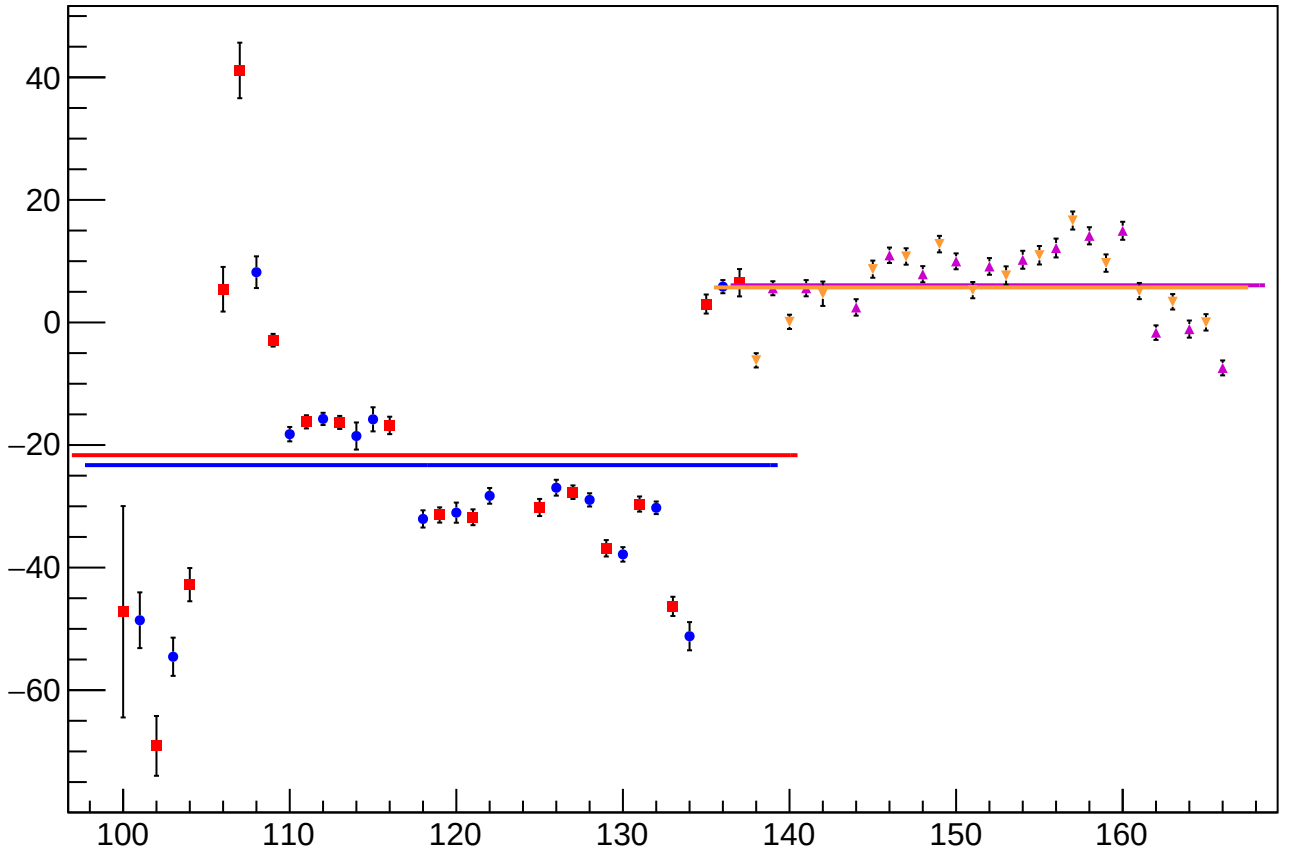
Left: -10.722+/-0.015 χ^2/NDF: 53026.6/27

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.457+/-0.019 χ^2/NDF:439644.9/29

Out: -7.436+/-0.020 χ^2/NDF:465320.0/31

All: -6.932+/-0.014 χ^2/NDF: 906260.5/61



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.719+/-0.365 χ^2/NDF:272.1/13

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.065+/-0.354 χ^2/NDF:322.9/13

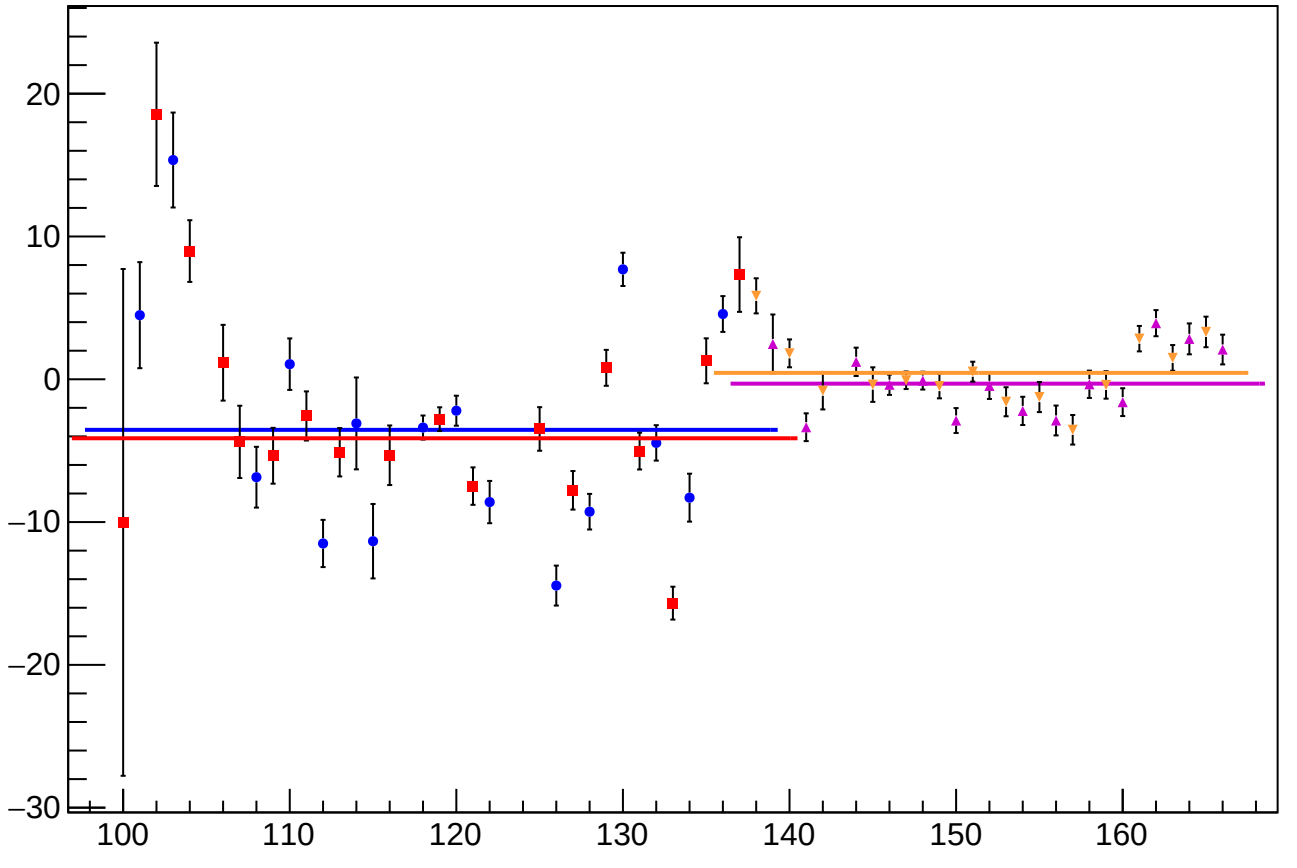
Left: 5.897+/-0.254 χ^2/NDF: 595.5/27

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.758+/-0.249 χ^2/NDF:5361.9/29

Out: -8.642+/-0.252 χ^2/NDF:5040.2/31

All: -8.701+/-0.177 χ^2/NDF: 10402.2/61



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.448+/-0.248 χ^2/NDF:62.4/13

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.307+/-0.247 χ^2/NDF:69.6/13

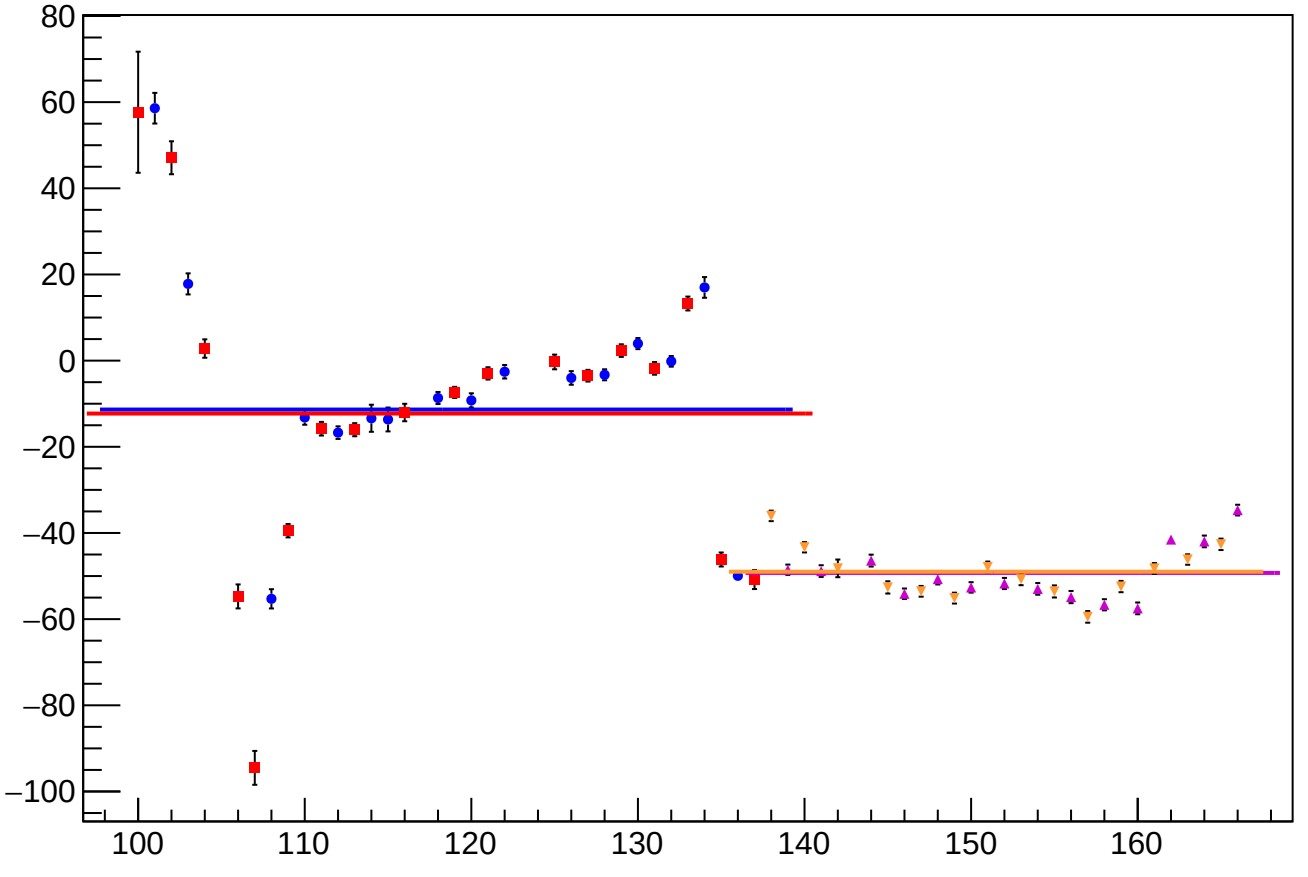
Left: 0.069+/-0.175 χ^2/NDF: 136.7/27

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.331+/-0.204 χ^2/NDF:440.7/29

Out: -0.967+/-0.206 χ^2/NDF:395.3/31

All: -1.151+/-0.145 χ^2/NDF: 837.6/61



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.989+/-0.353 χ^2/NDF:287.7/13

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.275+/-0.343 χ^2/NDF:338.1/13

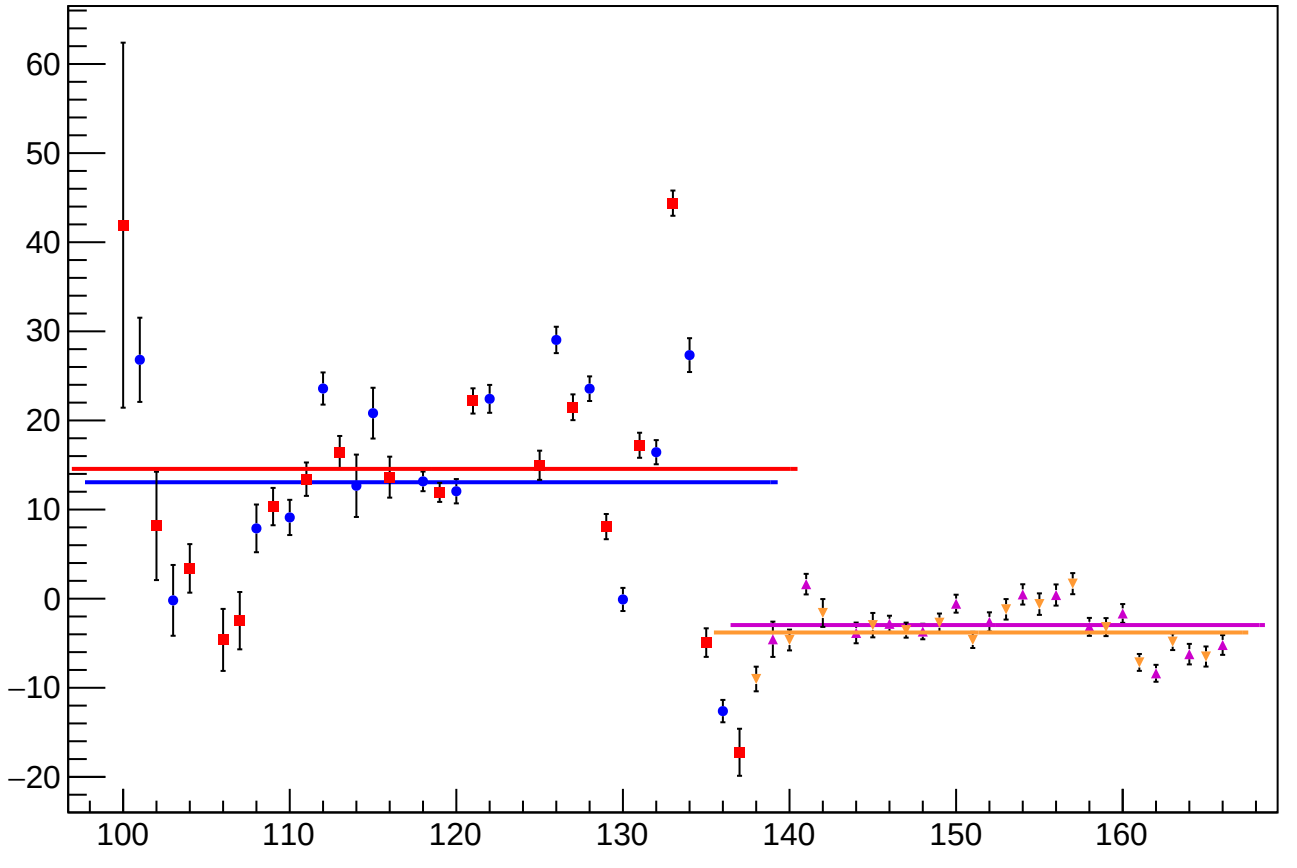
Left: -49.136+/-0.246 χ^2/NDF: 626.0/27

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.479+/-0.262 χ^2/NDF:8097.5/29

Out: -33.498+/-0.268 χ^2/NDF:7440.8/31

All: -33.488+/-0.187 χ^2/NDF: 15538.2/61



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.795+/-0.290 χ^2/NDF:72.5/13

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.961+/-0.287 χ^2/NDF:86.9/13

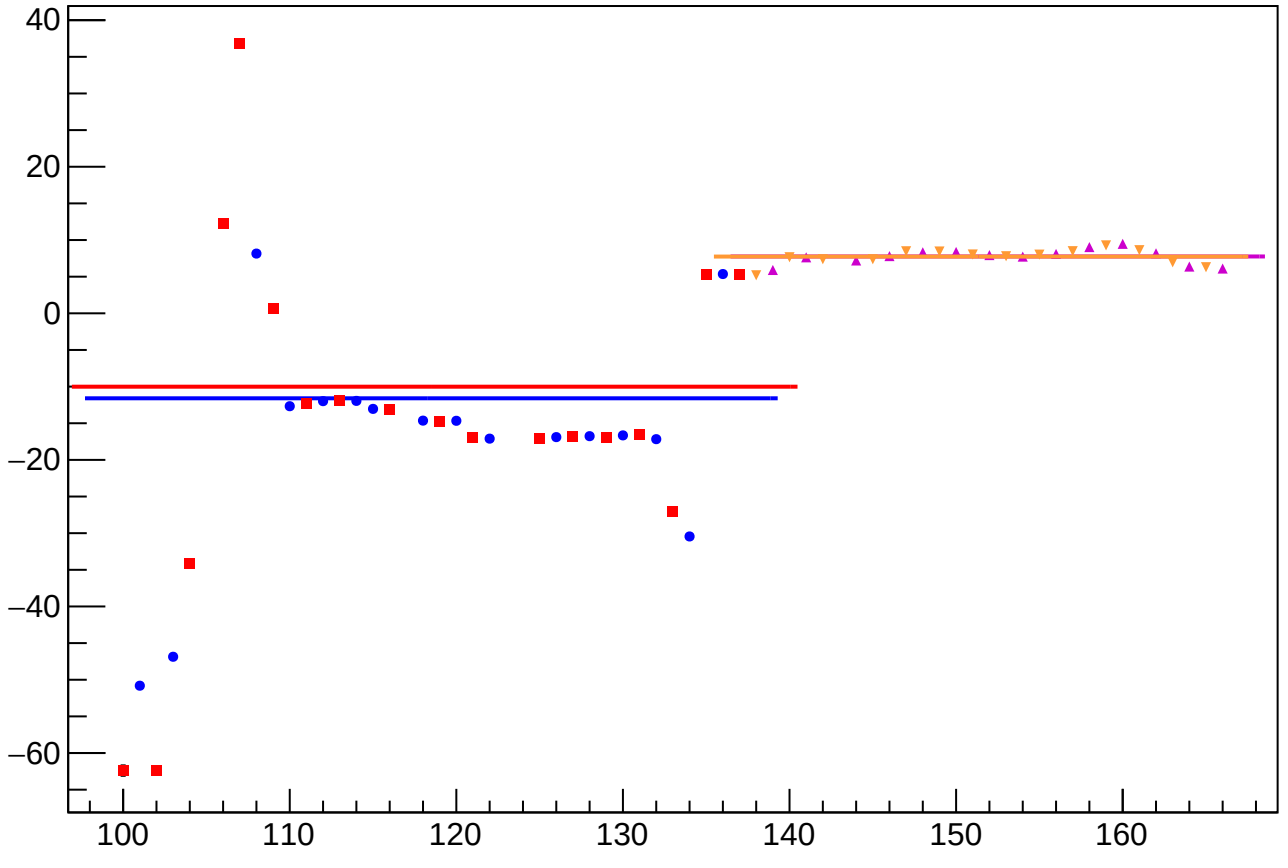
Left: -3.373+/-0.204 χ^2/NDF: 163.6/27

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 2.218+/-0.236 χ^2/NDF:1961.1/29

Out: 2.075+/-0.239 χ^2/NDF:2259.9/31

All: 2.148+/-0.168 χ^2/NDF: 4221.2/61



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.744+/-0.013 χ^2/NDF:6271.9/13

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.758+/-0.013 χ^2/NDF:6311.0/13

Left: 7.751+/-0.009 χ^2/NDF: 12583.4/27

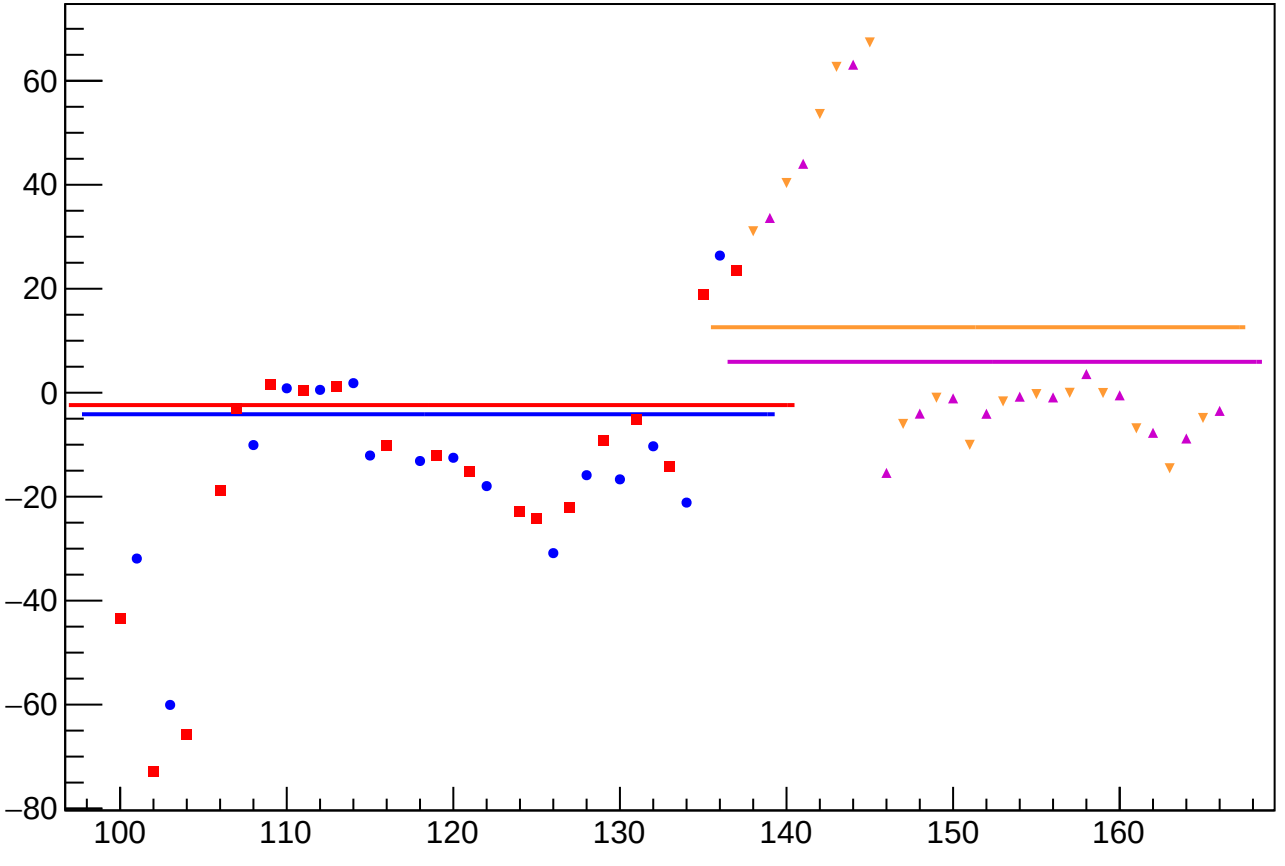
Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 4.006+/-0.012 χ^2/NDF:803036.1/29

Out: 4.375+/-0.012 χ^2/NDF:741698.5/31

All: 4.185+/-0.008 χ^2/NDF: 1545227.1/61

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 12.594+/-0.067 χ^2/NDF:137442.2/14

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 5.941+/-0.057 χ^2/NDF:116696.6/13

Left: 8.735+/-0.043 χ^2/NDF: 259863.5/28

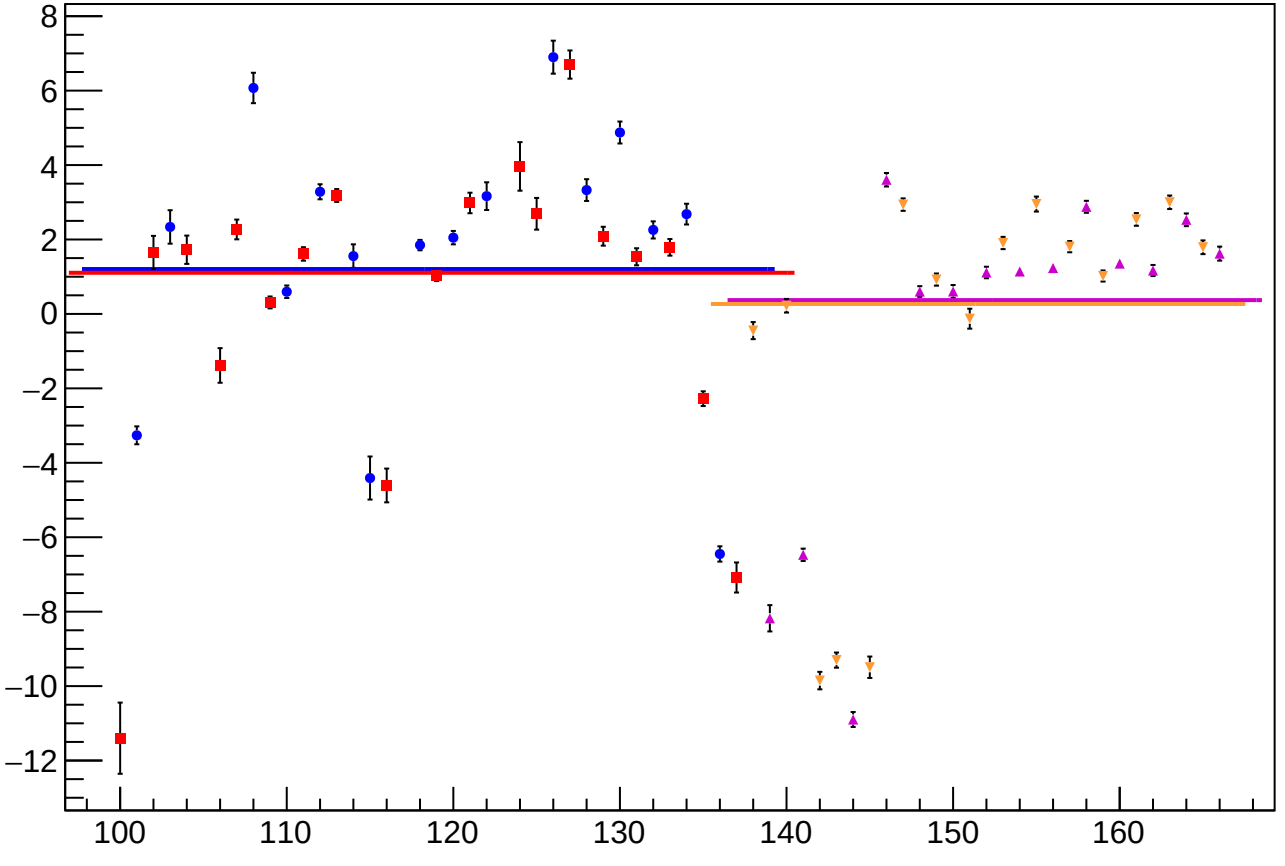
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.690+/-0.039 χ^2/NDF:208270.0/29

Out: 2.438+/-0.038 χ^2/NDF:252104.1/33

All: 1.597+/-0.027 χ^2/NDF: 461392.4/63

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.268+/-0.048 χ^2/NDF:6377.9/14

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.371+/-0.041 χ^2/NDF:6425.9/13

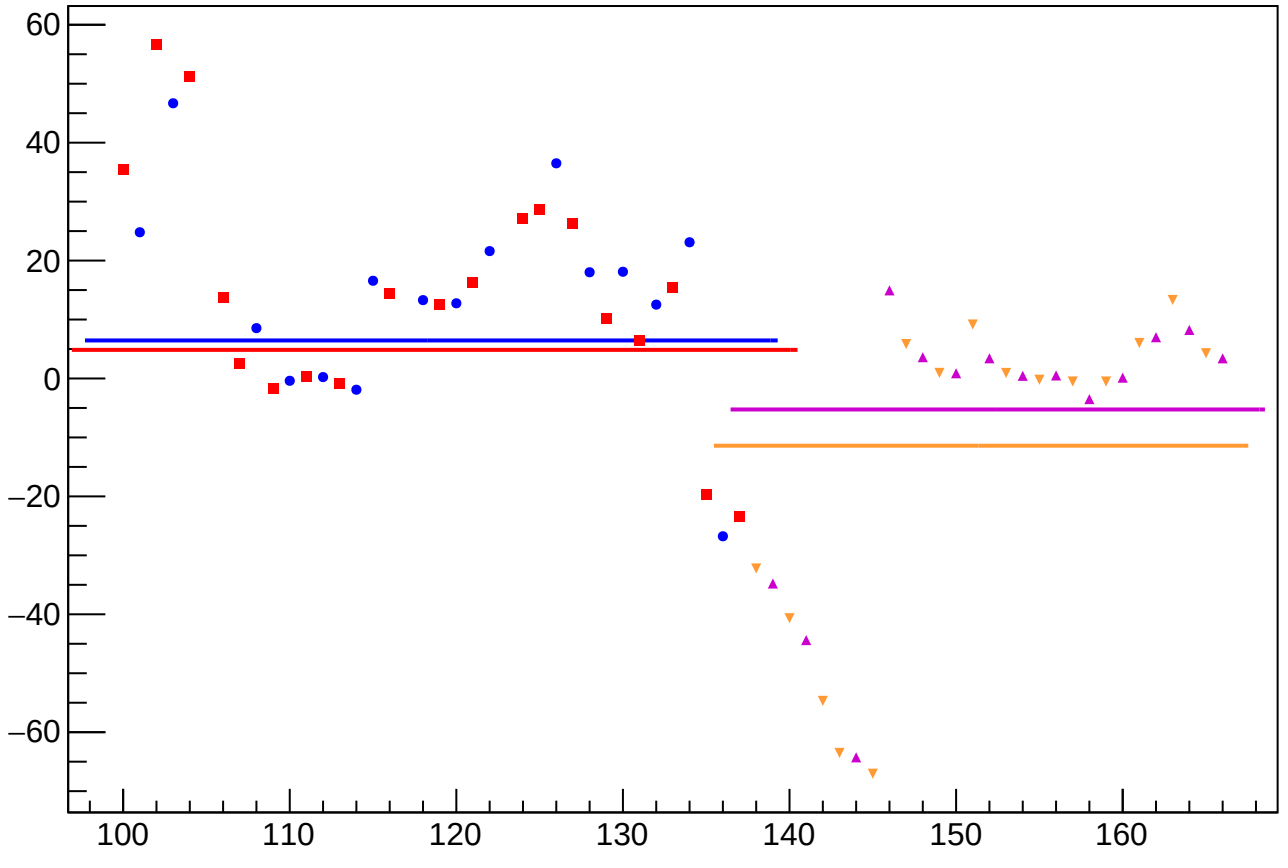
Left: 0.328+/-0.031 χ^2/NDF: 12806.5/28

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.630+/-0.034 χ^2/NDF:9142.1/29

Out: 0.614+/-0.037 χ^2/NDF:8091.1/33

All: 0.623+/-0.025 χ^2/NDF: 17233.3/63



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -11.402+/-0.065 χ^2/NDF:135654.7/14

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -5.257+/-0.055 χ^2/NDF:115086.1/13

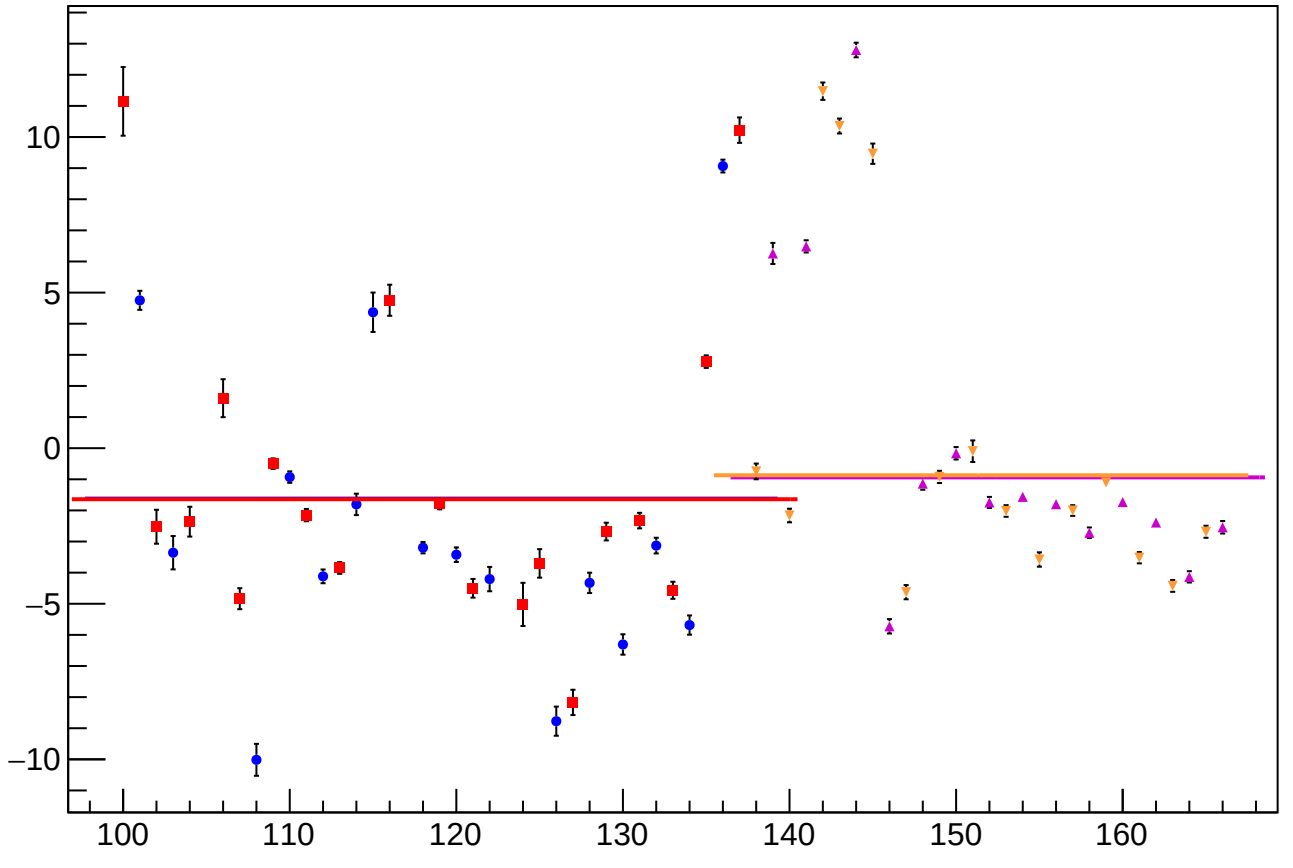
Left: -7.802+/-0.042 χ^2/NDF: 255984.4/28

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.431+/-0.042 χ^2/NDF:204713.8/29

Out: -2.517+/-0.044 χ^2/NDF:245162.5/33

All: -1.429+/-0.030 χ^2/NDF: 451063.6/63



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.870+/-0.055 χ^2/NDF:6321.0/14

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.939+/-0.046 χ^2/NDF:6426.6/13

Left: -0.910+/-0.035 χ^2/NDF: 12748.5/28

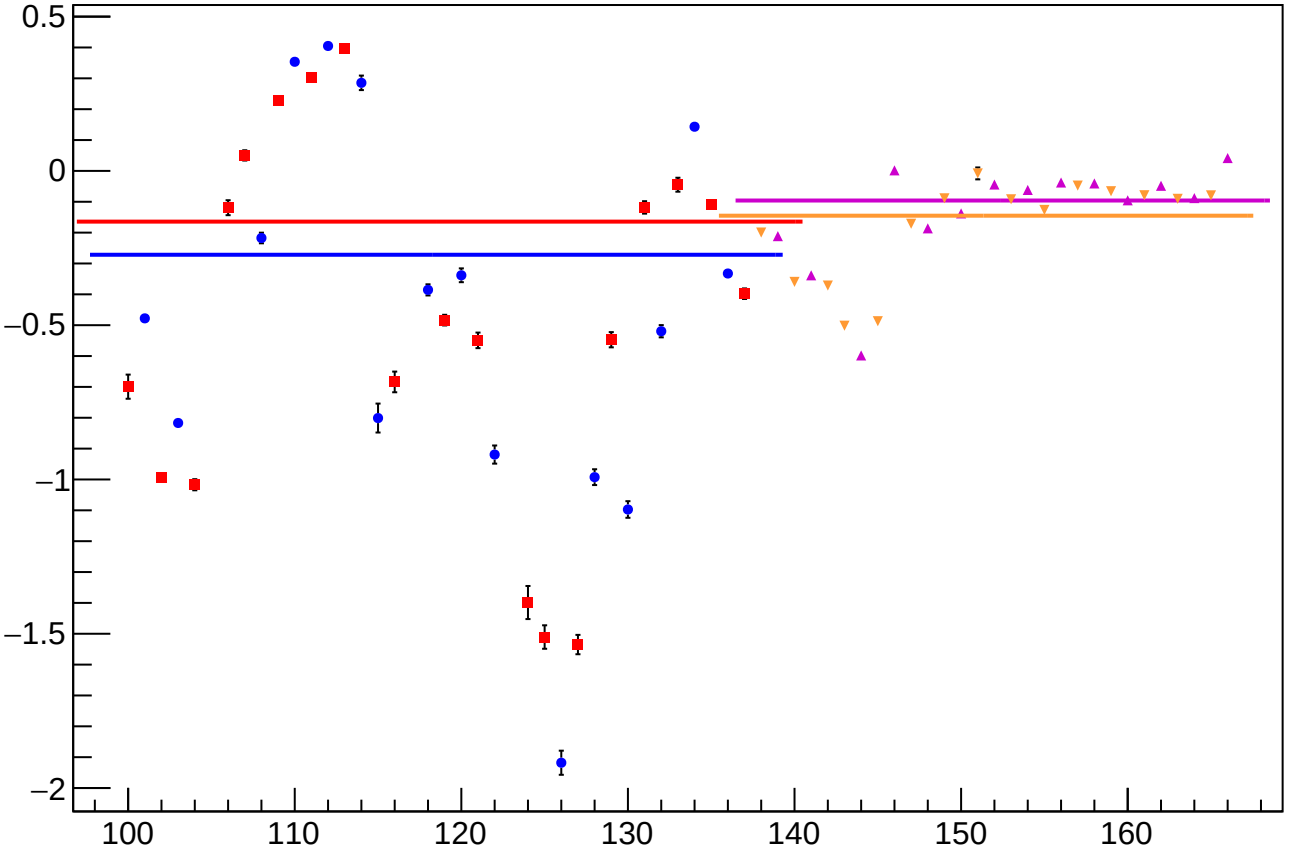
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.146+/-0.038 χ^2/NDF:11019.0/29

Out: -1.192+/-0.042 χ^2/NDF:8866.0/33

All: -1.167+/-0.028 χ^2/NDF: 19885.7/63

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.145+/-0.002 χ^2/NDF:2913.6/14

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.096+/-0.002 χ^2/NDF:3234.0/13

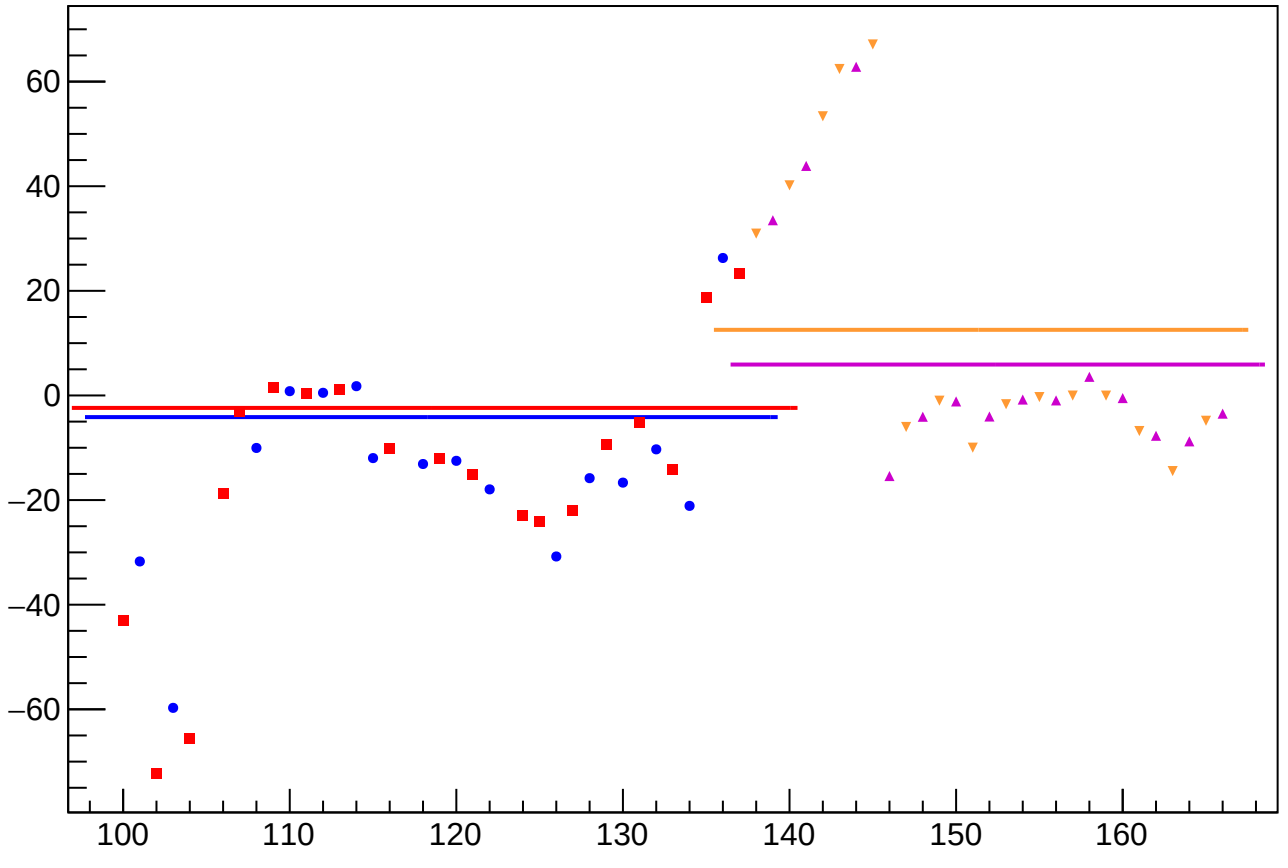
Left: -0.116+/-0.002 χ^2/NDF: 6397.9/28

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.128+/-0.002 χ^2/NDF:16744.4/29

Out: -0.151+/-0.002 χ^2/NDF:18428.8/33

All: -0.138+/-0.001 χ^2/NDF: 35242.5/63



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 12.546+/-0.067 χ^2/NDF:137171.3/14

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 5.909+/-0.057 χ^2/NDF:116579.5/13

Left: 8.698+/-0.043 χ^2/NDF: 259482.9/28

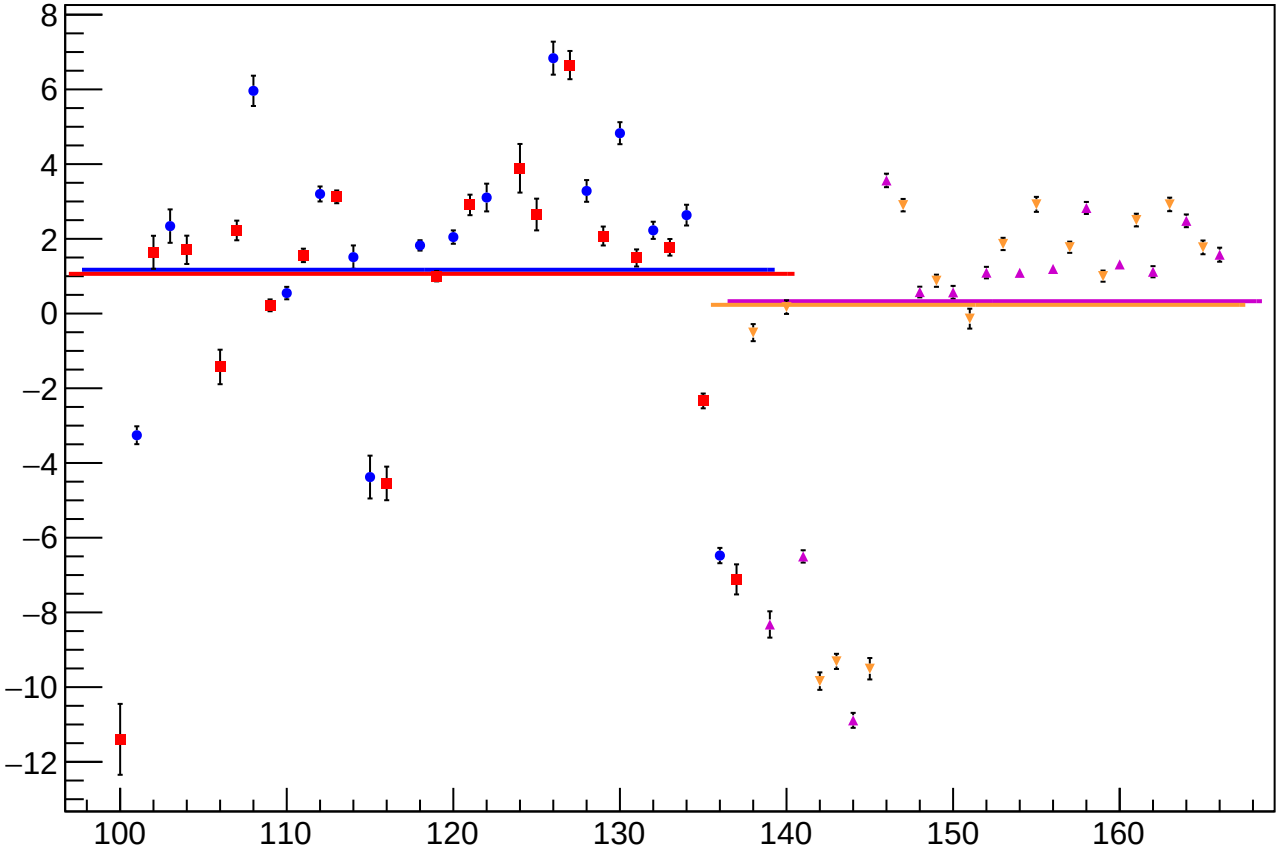
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.660+/-0.039 χ^2/NDF:208146.2/29

Out: 2.403+/-0.038 χ^2/NDF:251811.3/33

All: 1.565+/-0.027 χ^2/NDF: 460979.3/63

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.233+/-0.048 χ^2/NDF:6381.4/14

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.331+/-0.040 χ^2/NDF:6443.3/13

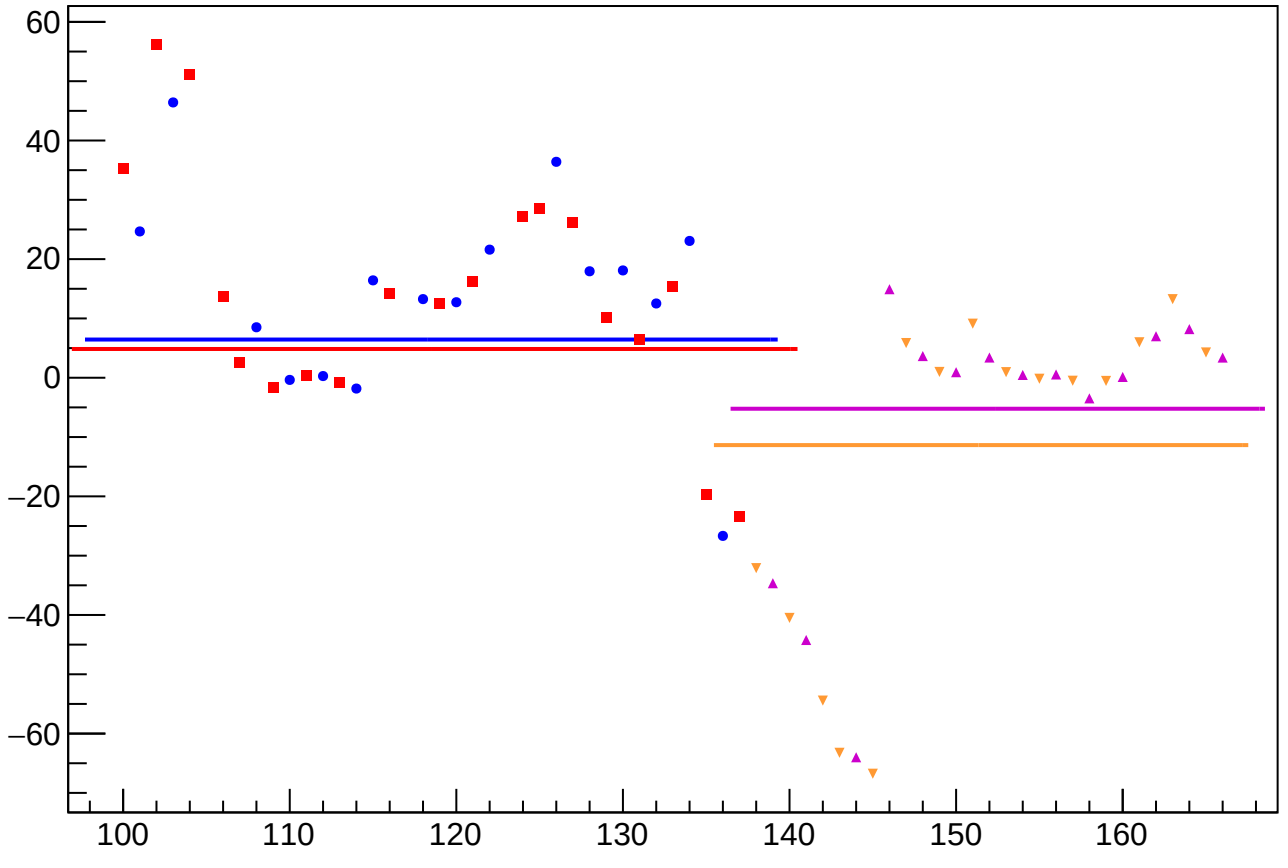
Left: 0.290+/-0.031 χ^2/NDF: 12827.1/28

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.593+/-0.034 χ^2/NDF:9162.8/29

Out: 0.577+/-0.037 χ^2/NDF:8102.3/33

All: 0.585+/-0.025 χ^2/NDF: 17265.2/63



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -11.357+/-0.065 χ^2/NDF:135391.4/14

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -5.227+/-0.054 χ^2/NDF:114967.2/13

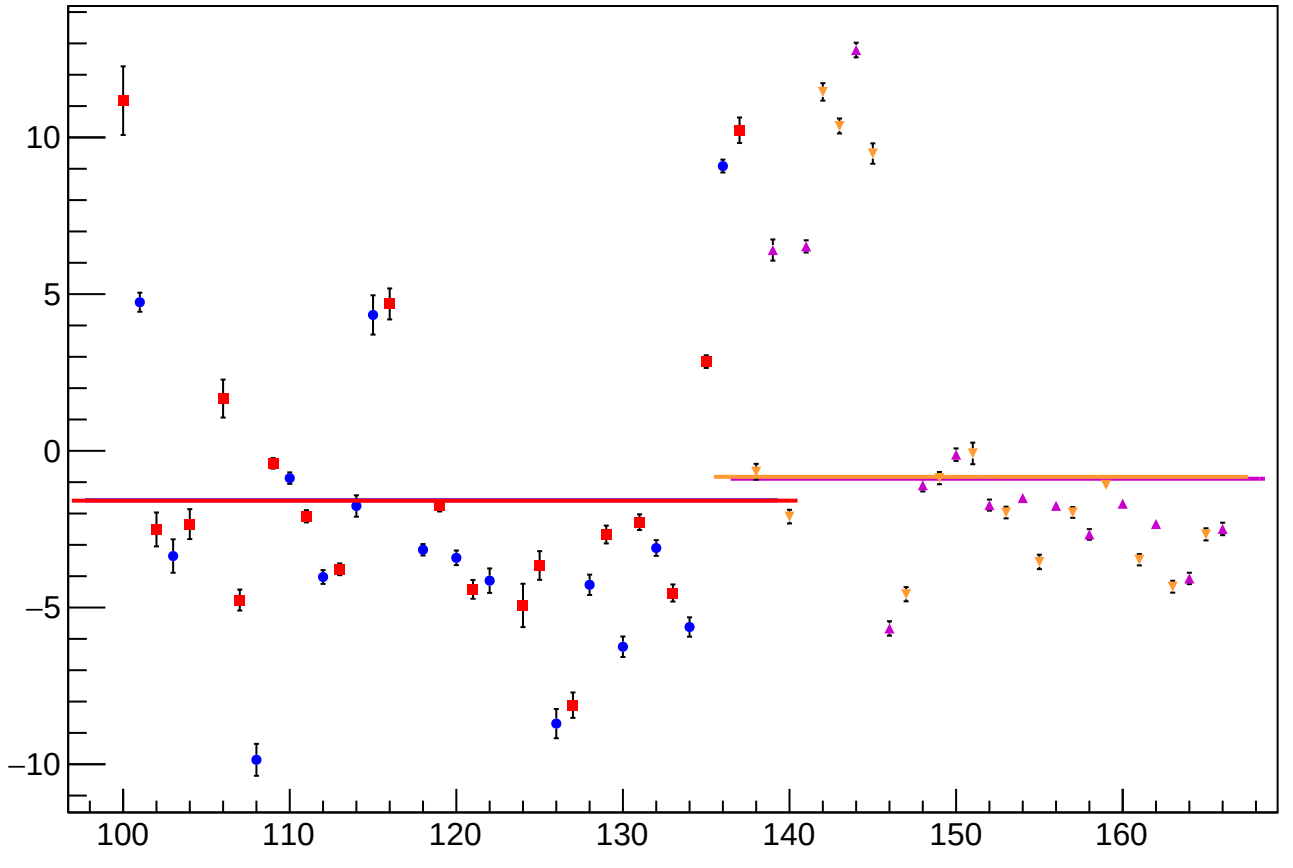
Left: -7.767+/-0.042 χ^2/NDF: 255609.7/28

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.401+/-0.042 χ^2/NDF:204581.4/29

Out: -2.480+/-0.044 χ^2/NDF:244873.4/33

All: -1.396+/-0.030 χ^2/NDF: 450643.8/63



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.829+/-0.054 χ^2/NDF:6318.3/14

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.890+/-0.046 χ^2/NDF:6442.0/13

Left: -0.865+/-0.035 χ^2/NDF: 12761.0/28

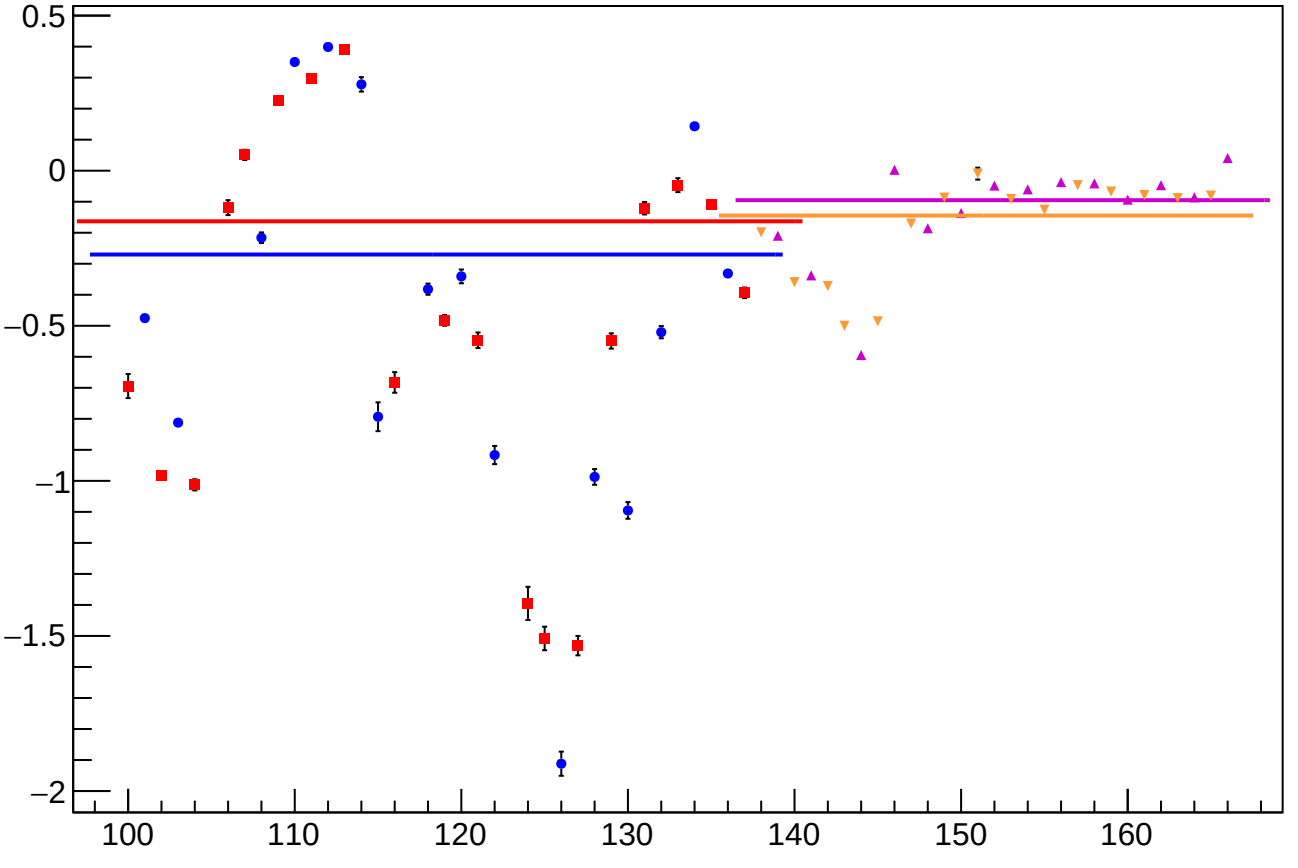
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.100+/-0.038 χ^2/NDF:11035.2/29

Out: -1.147+/-0.042 χ^2/NDF:8872.0/33

All: -1.121+/-0.028 χ^2/NDF: 19908.0/63

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.145+/-0.002 χ^2/NDF:2923.6/14

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.095+/-0.002 χ^2/NDF:3220.0/13

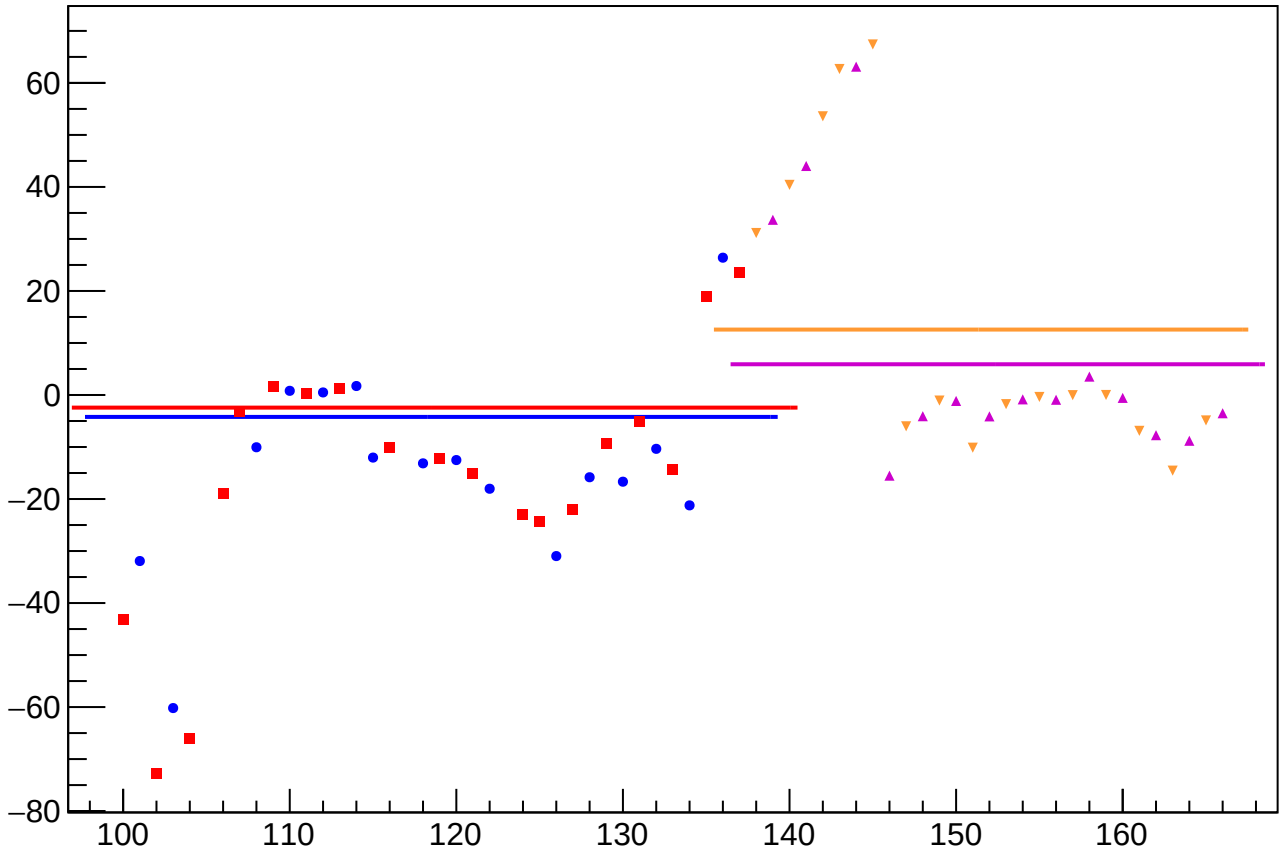
Left: -0.115+/-0.002 χ^2/NDF: 6398.9/28

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.127+/-0.002 χ^2/NDF:16722.6/29

Out: -0.150+/-0.002 χ^2/NDF:18450.8/33

All: -0.137+/-0.001 χ^2/NDF: 35244.0/63



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 12.578+/-0.067 χ^2/NDF:137528.2/14

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 5.908+/-0.057 χ^2/NDF:116713.5/13

Left: 8.709+/-0.043 χ^2/NDF: 259983.5/28

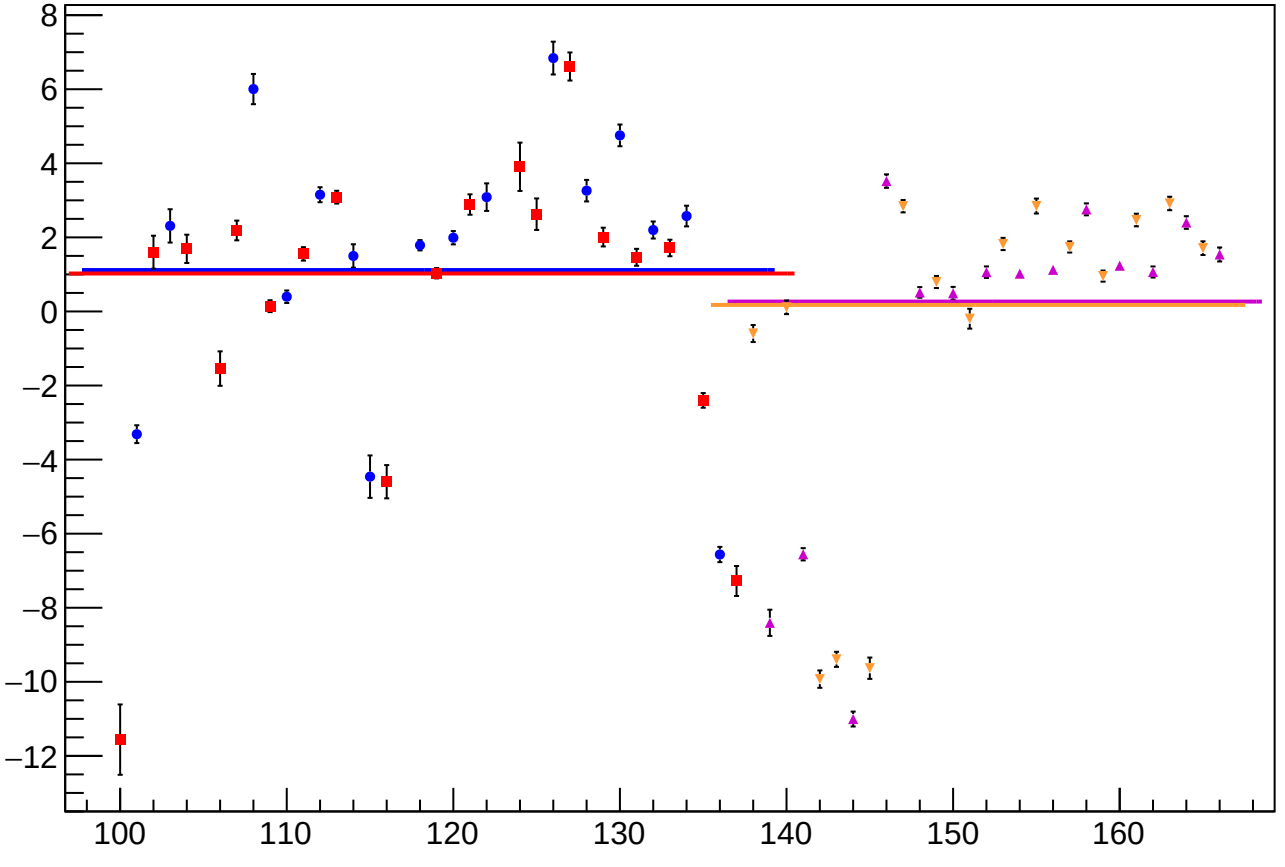
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.636+/-0.039 χ^2/NDF:208333.8/29

Out: 2.402+/-0.038 χ^2/NDF:252233.0/33

All: 1.552+/-0.027 χ^2/NDF: 461604.3/63

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.176+/-0.048 χ^2/NDF:6386.1/14

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.266+/-0.041 χ^2/NDF:6418.3/13

Left: 0.229+/-0.031 χ^2/NDF: 12806.5/28

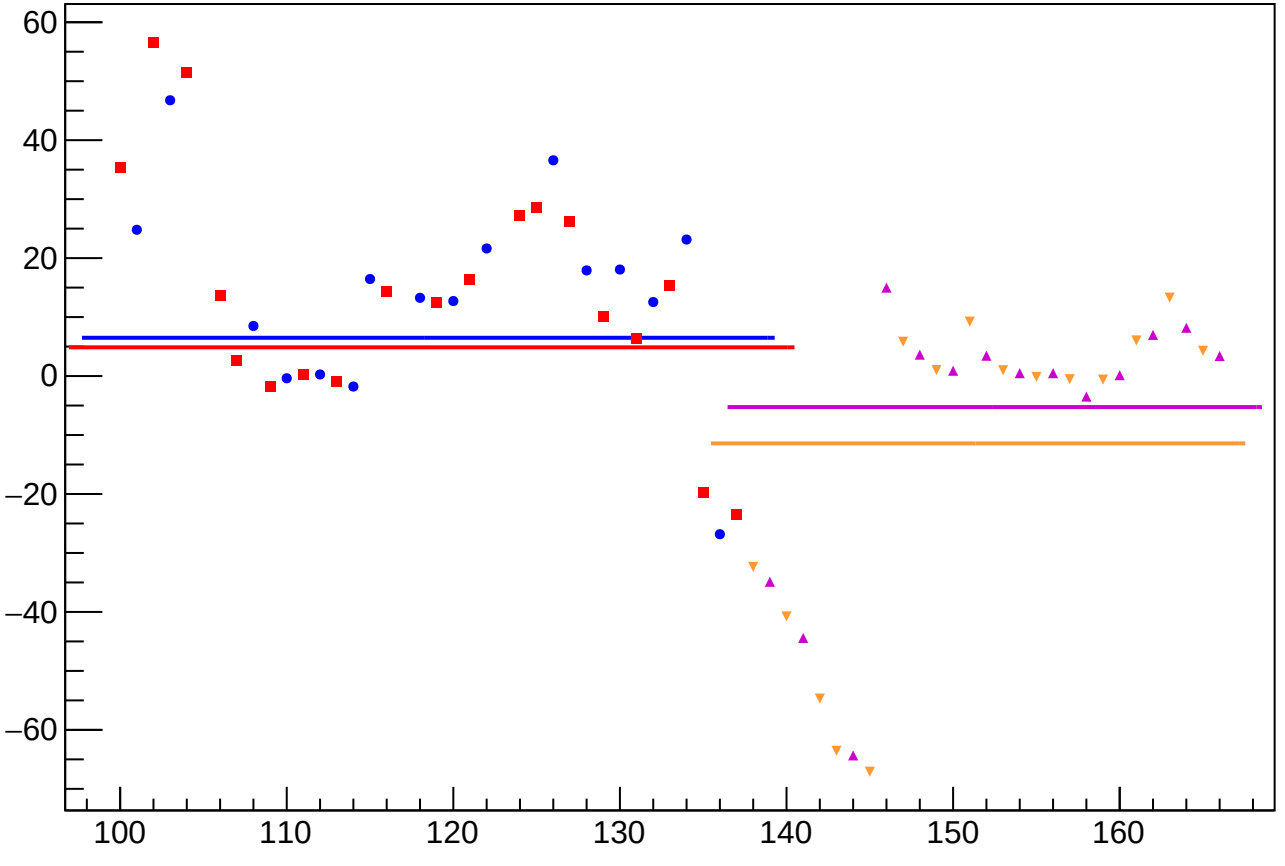
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.531+/-0.034 χ^2/NDF:9146.9/29

Out: 0.527+/-0.037 χ^2/NDF:8127.1/33

All: 0.529+/-0.025 χ^2/NDF: 17274.0/63

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -11.417+/-0.065 χ^2/NDF:135757.5/14

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -5.260+/-0.055 χ^2/NDF:115107.6/13

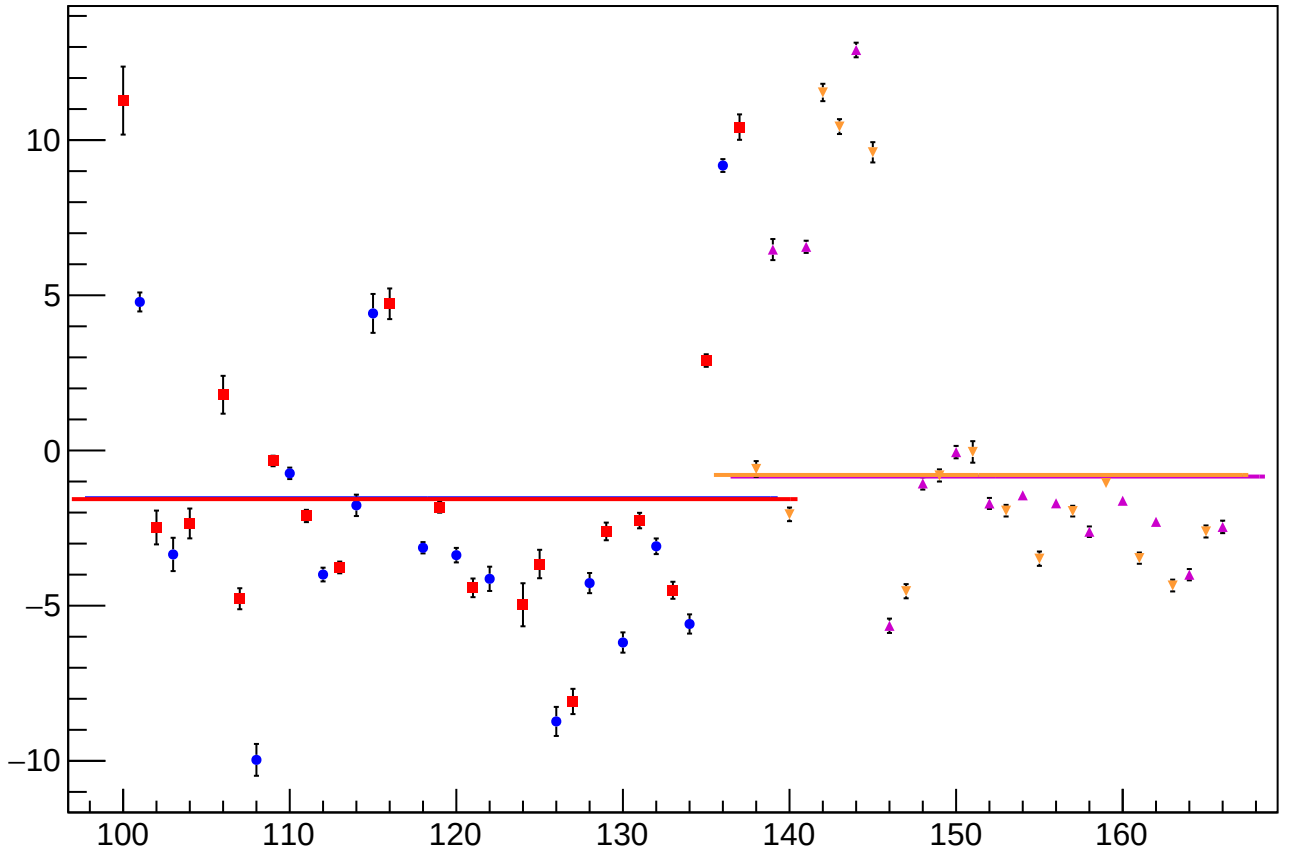
Left: -7.810+/-0.042 χ^2/NDF: 256121.1/28

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.412+/-0.042 χ^2/NDF:204804.1/29

Out: -2.514+/-0.044 χ^2/NDF:245336.2/33

All: -1.417+/-0.030 χ^2/NDF: 451344.0/63



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.788+/-0.055 χ^2/NDF:6327.1/14

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.840+/-0.046 χ^2/NDF:6422.9/13

Left: -0.819+/-0.035 χ^2/NDF: 12750.5/28

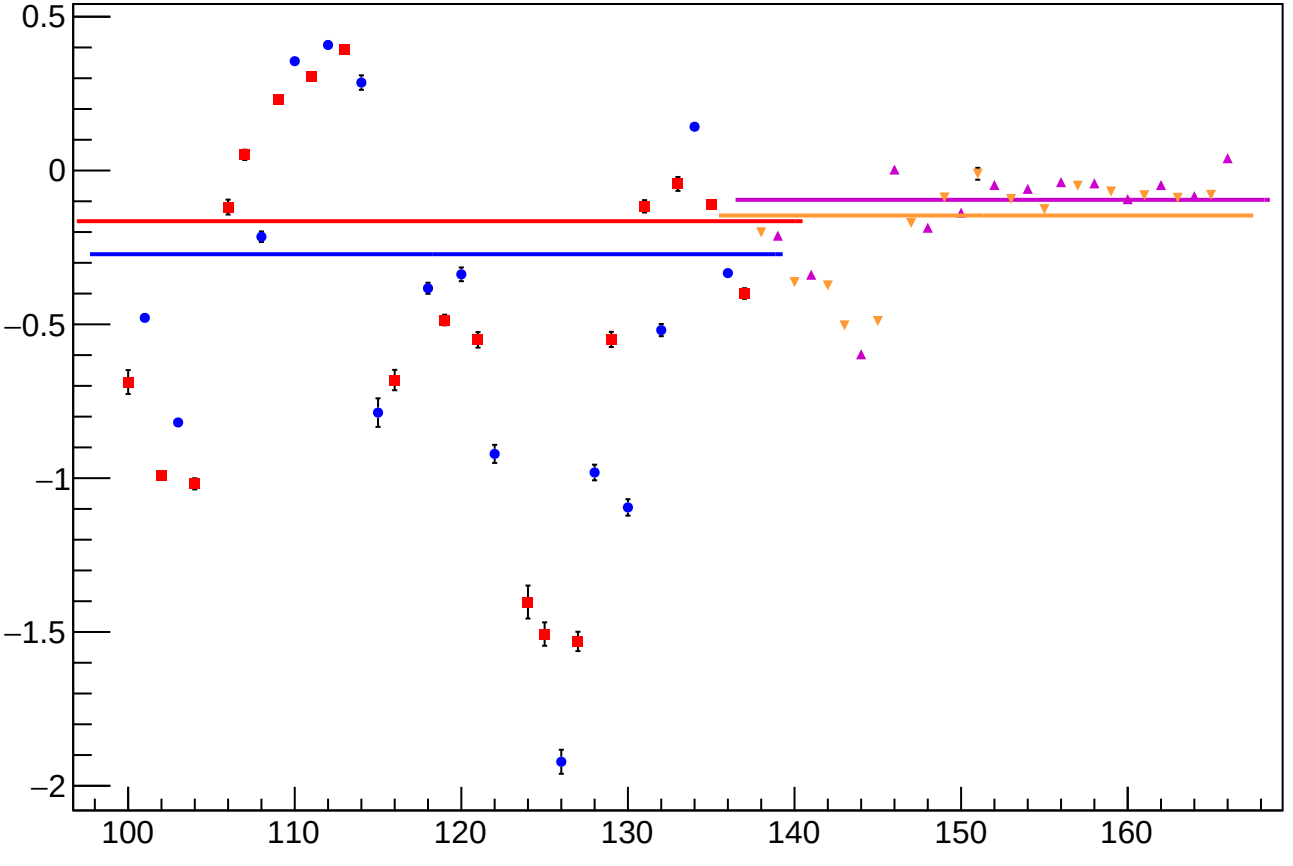
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.052+/-0.038 χ^2/NDF:11029.2/29

Out: -1.114+/-0.042 χ^2/NDF:8908.7/33

All: -1.080+/-0.028 χ^2/NDF: 19939.1/63

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.146+/-0.002 χ^2/NDF:2926.2/14

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.095+/-0.002 χ^2/NDF:3222.3/13

Left: -0.116+/-0.002 χ^2/NDF: 6415.6/28

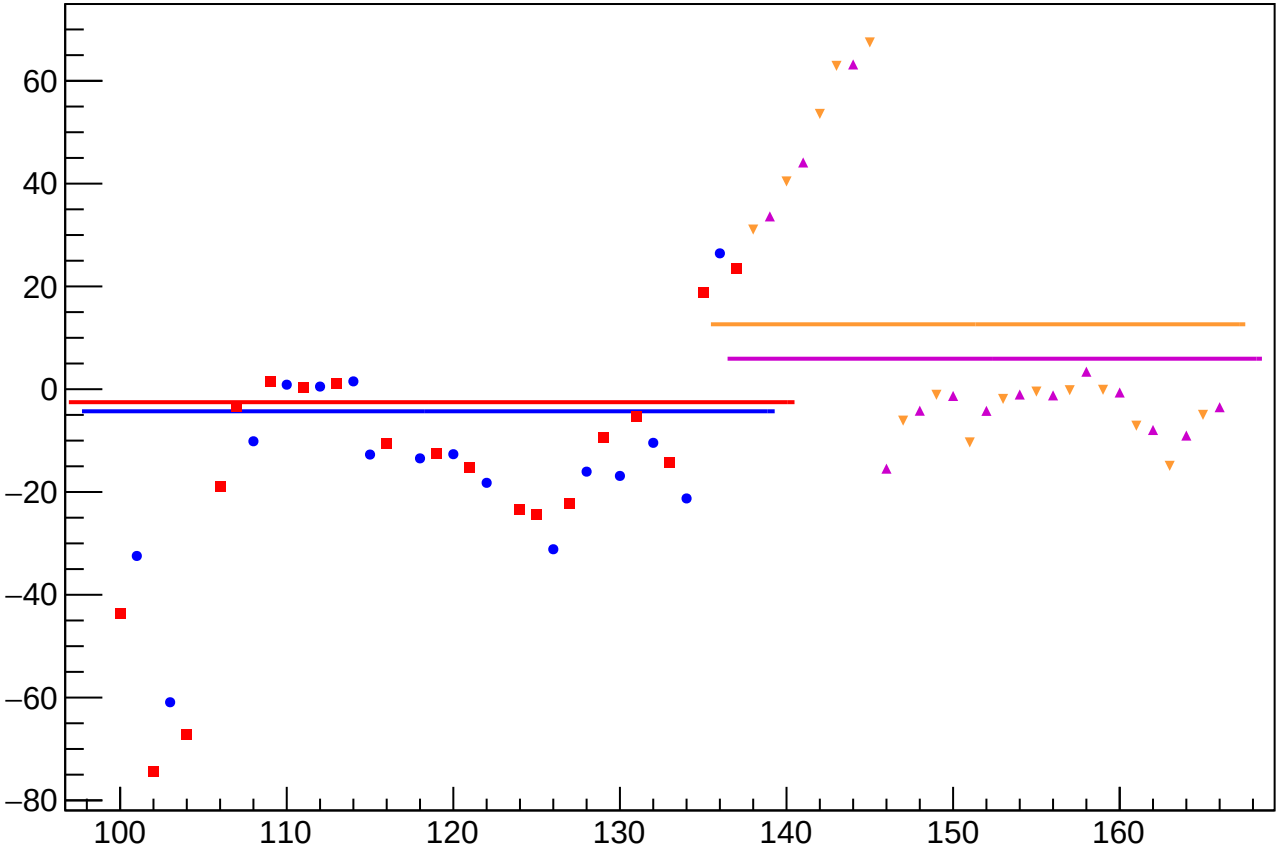
Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.128+/-0.002 χ^2/NDF:16763.1/29

Out: -0.151+/-0.002 χ^2/NDF:18433.7/33

All: -0.138+/-0.001 χ^2/NDF: 35274.2/63

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 12.631+/-0.068 χ^2/NDF:135669.9/14

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 5.934+/-0.058 χ^2/NDF:114848.8/13

Left: 8.767+/-0.044 χ^2/NDF: 256122.1/28

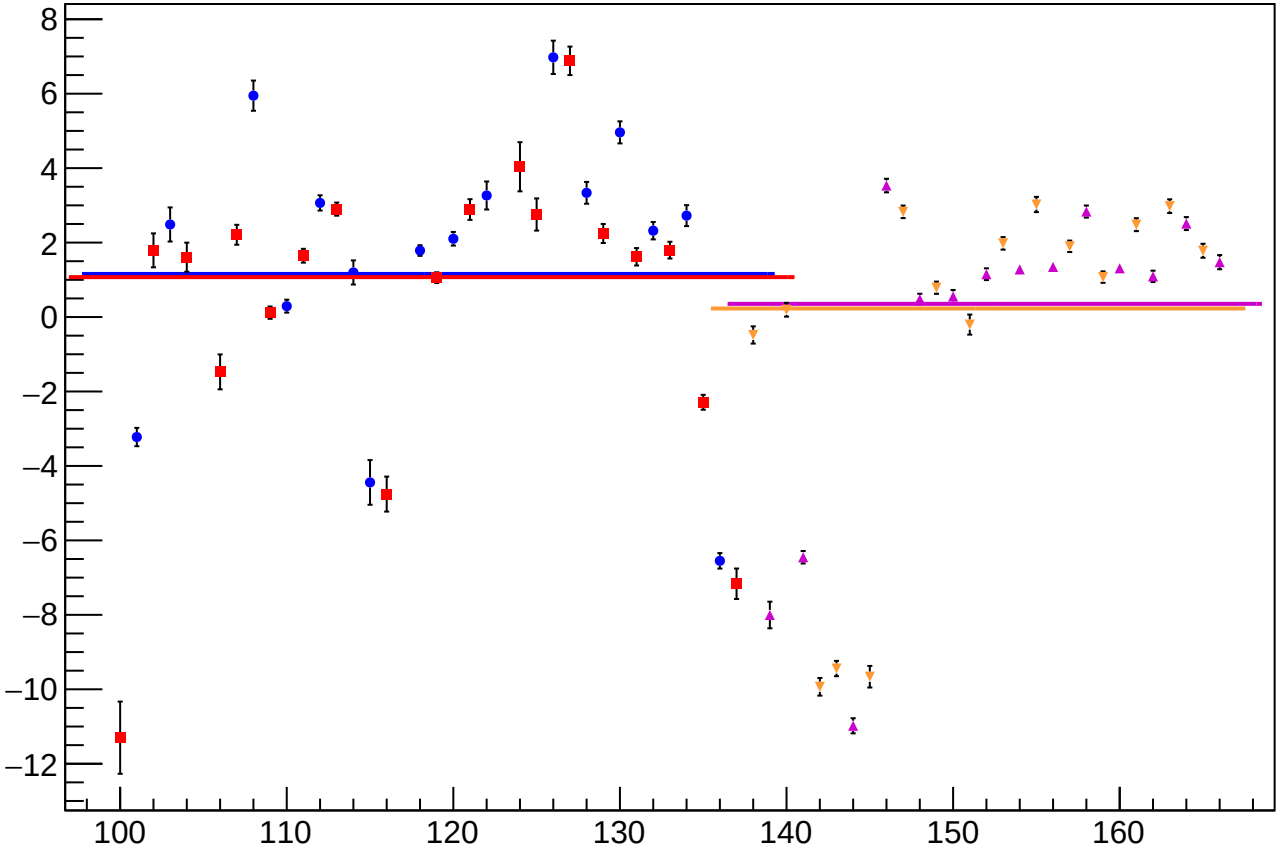
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.600+/-0.040 χ^2/NDF:205190.3/29

Out: 2.412+/-0.039 χ^2/NDF:249090.3/33

All: 1.539+/-0.028 χ^2/NDF: 455331.2/63

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.230+/-0.049 χ^2/NDF:6369.7/14

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.354+/-0.041 χ^2/NDF:6283.5/13

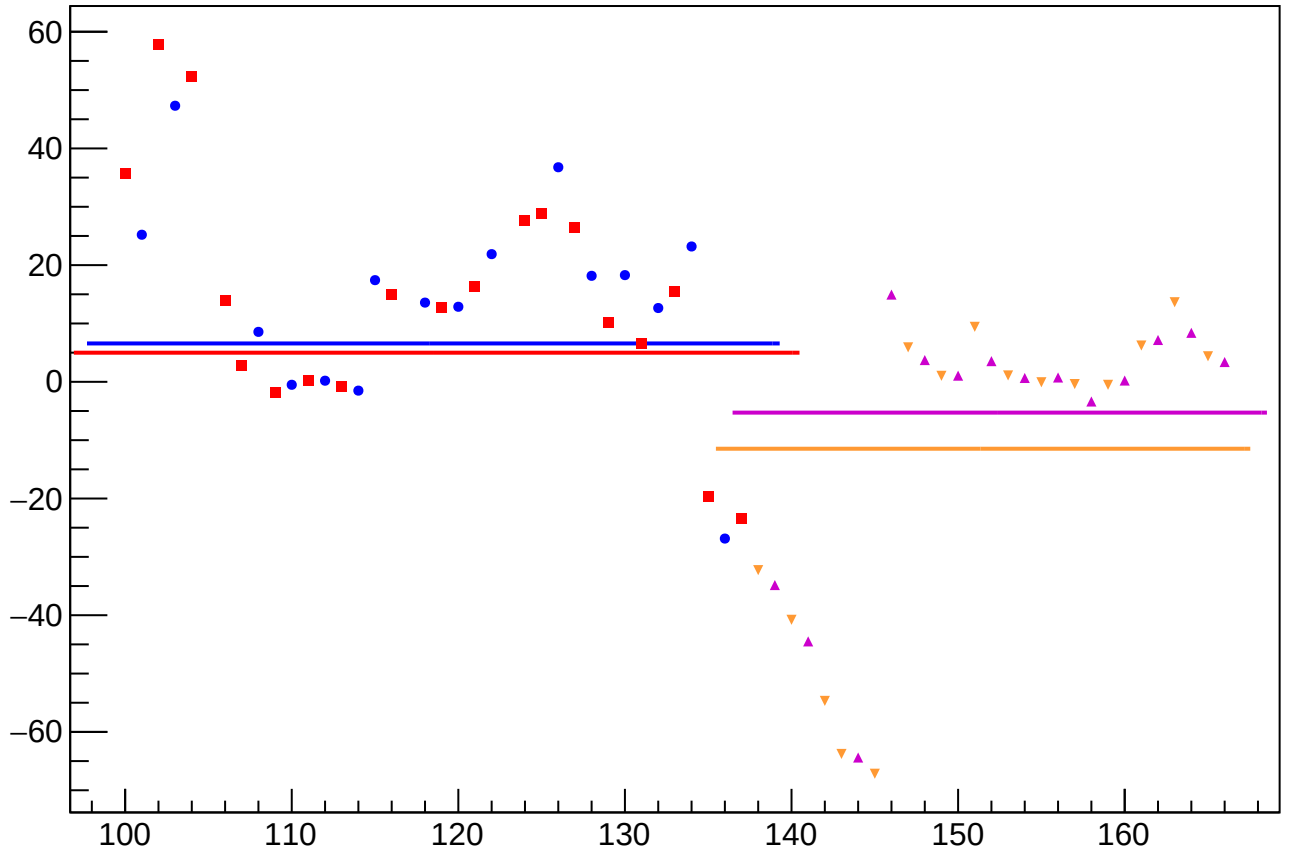
Left: 0.302+/-0.032 χ^2/NDF: 12657.0/28

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.605+/-0.034 χ^2/NDF:8950.8/29

Out: 0.575+/-0.037 χ^2/NDF:8044.1/33

All: 0.591+/-0.025 χ^2/NDF: 16995.2/63



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -11.466+/-0.066 χ^2/NDF:133898.9/14

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -5.278+/-0.056 χ^2/NDF:113258.7/13

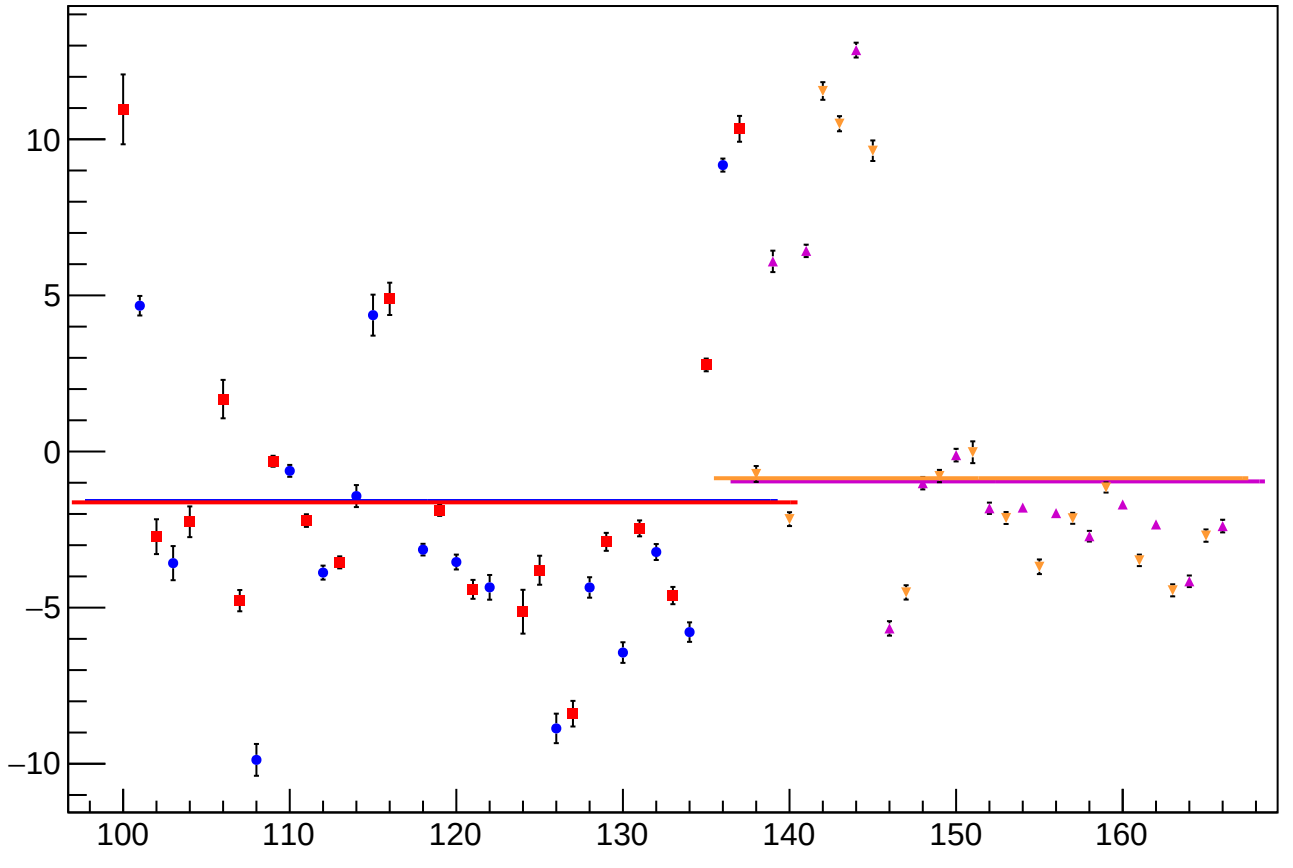
Left: -7.860+/-0.043 χ^2/NDF: 252292.6/28

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.372+/-0.043 χ^2/NDF:201680.9/29

Out: -2.521+/-0.045 χ^2/NDF:242233.6/33

All: -1.401+/-0.031 χ^2/NDF: 445127.7/63



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.856+/-0.055 χ^2/NDF:6312.2/14

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.957+/-0.047 χ^2/NDF:6287.3/13

Left: -0.915+/-0.036 χ^2/NDF: 12601.4/28

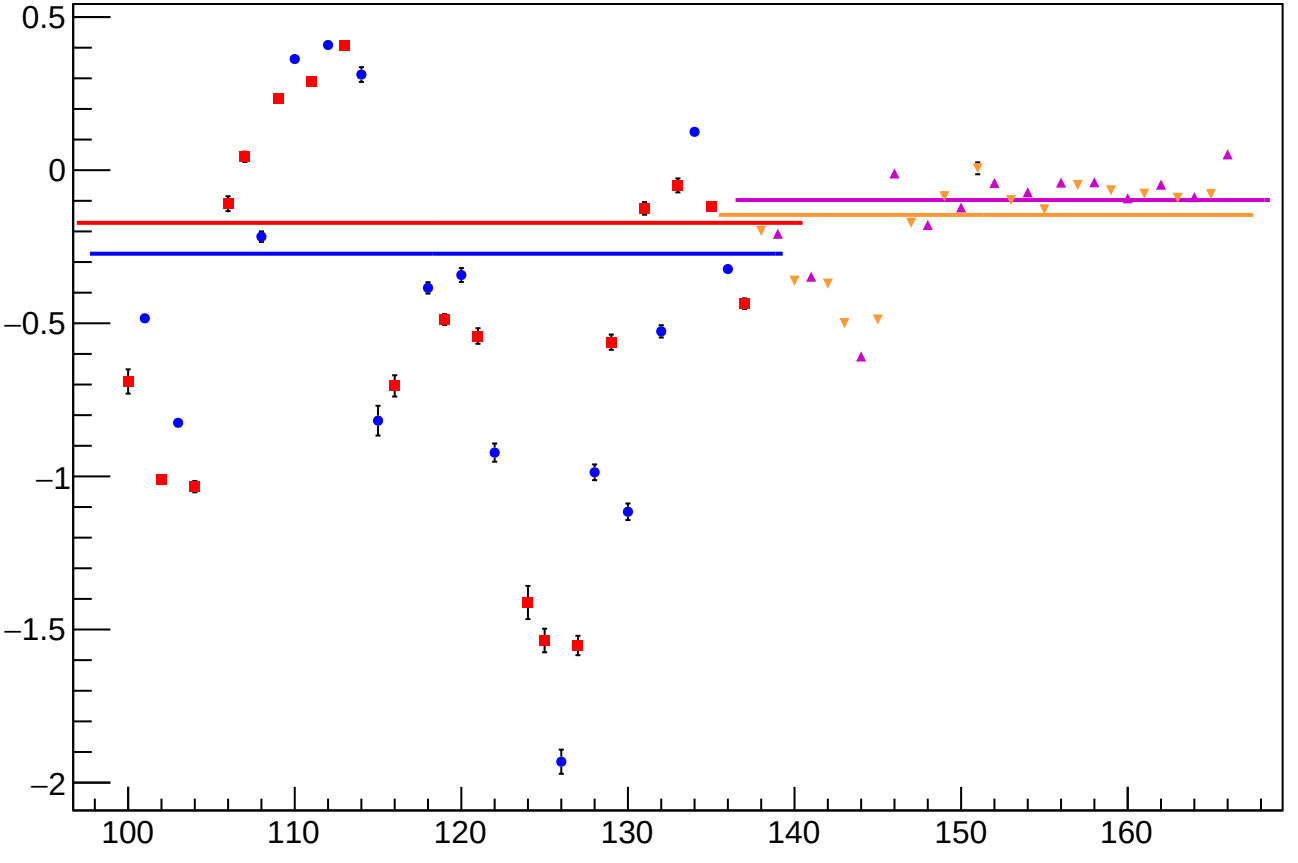
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.149+/-0.039 χ^2/NDF:10814.7/29

Out: -1.176+/-0.042 χ^2/NDF:8814.9/33

All: -1.162+/-0.029 χ^2/NDF: 19629.8/63

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.146+/-0.002 χ^2/NDF:2841.0/14

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.098+/-0.002 χ^2/NDF:3226.4/13

Left: -0.117+/-0.002 χ^2/NDF: 6301.6/28

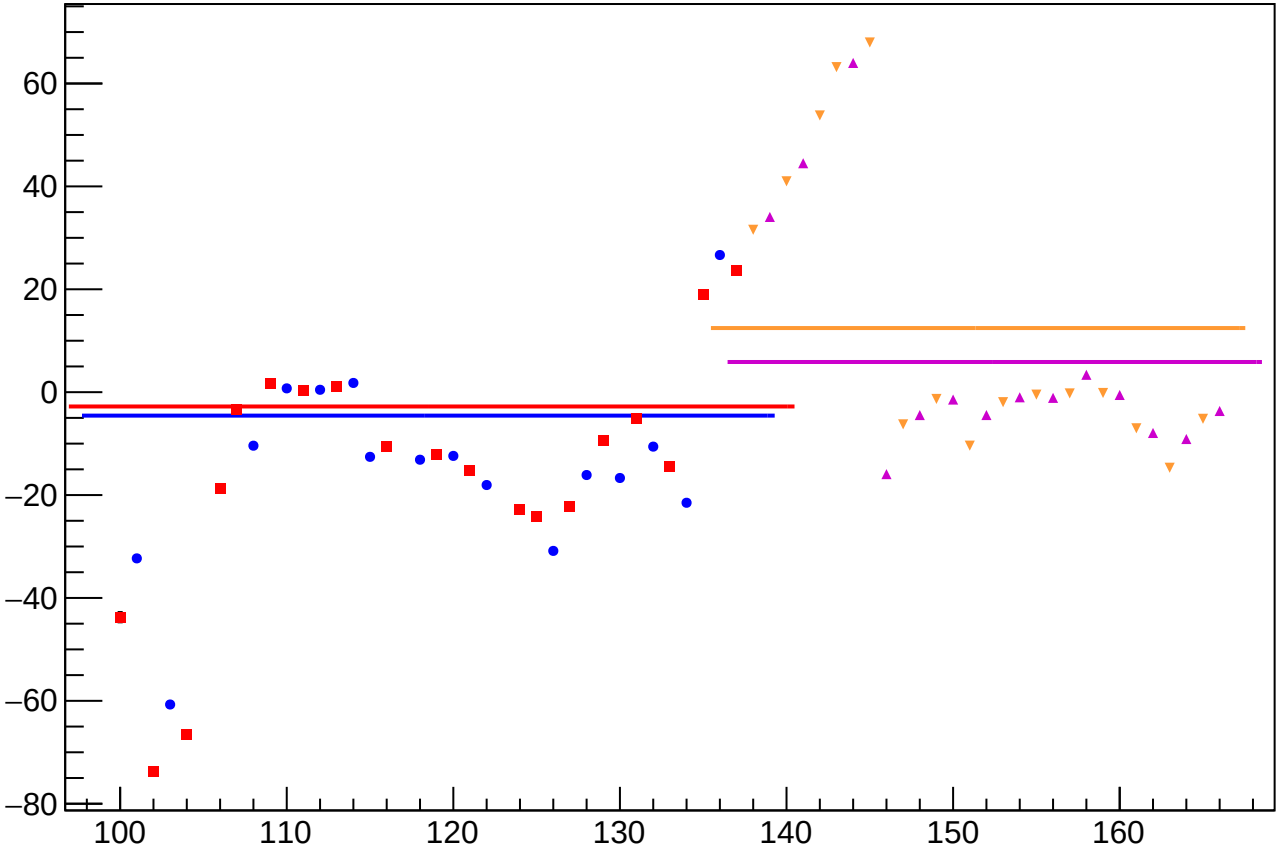
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.130+/-0.002 χ^2/NDF:16485.3/29

Out: -0.153+/-0.002 χ^2/NDF:18195.5/33

All: -0.140+/-0.001 χ^2/NDF: 34753.3/63

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 12.464+/-0.069 χ^2/NDF:134255.2/14

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 5.866+/-0.059 χ^2/NDF:113660.4/13

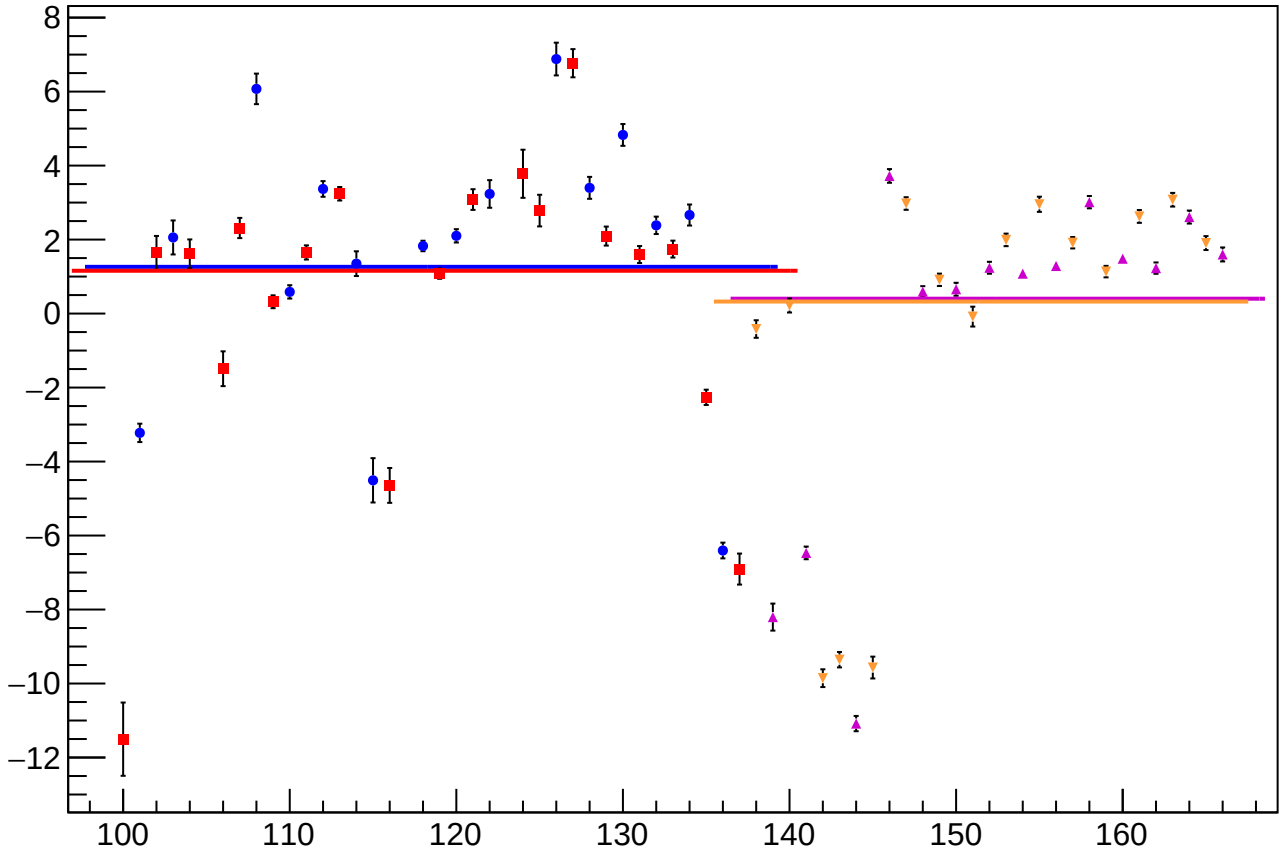
Left: 8.665+/-0.045 χ^2/NDF: 253226.2/28

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.460+/-0.041 χ^2/NDF:202502.7/29

Out: 2.291+/-0.040 χ^2/NDF:245012.6/33

All: 1.405+/-0.028 χ^2/NDF: 448549.6/63



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.325+/-0.049 χ^2/NDF:6203.8/14

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.402+/-0.042 χ^2/NDF:6244.6/13

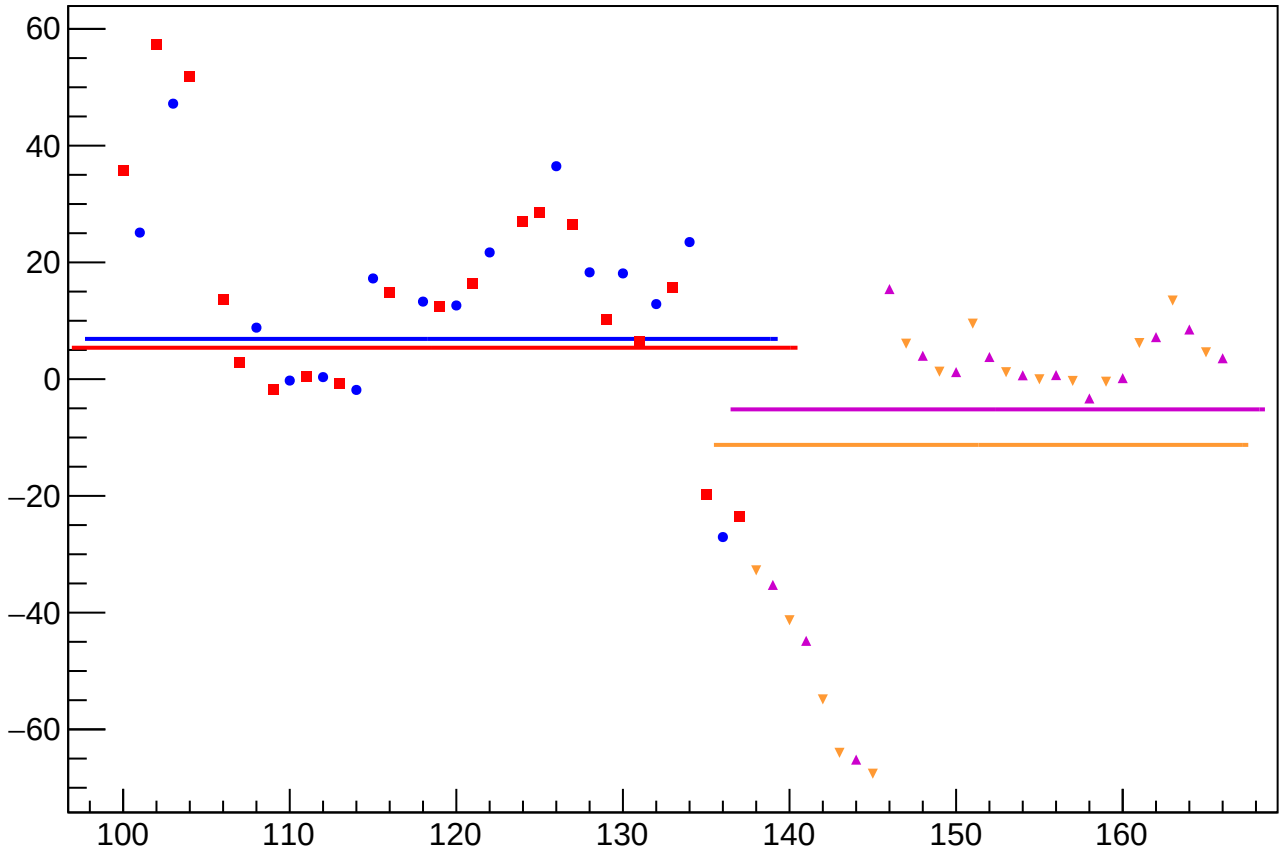
Left: 0.369+/-0.032 χ^2/NDF: 12449.9/28

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.672+/-0.035 χ^2/NDF:8820.7/29

Out: 0.665+/-0.038 χ^2/NDF:7811.6/33

All: 0.669+/-0.026 χ^2/NDF: 16632.3/63



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -11.263+/-0.067 χ^2/NDF:132346.9/14

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -5.179+/-0.057 χ^2/NDF:112025.0/13

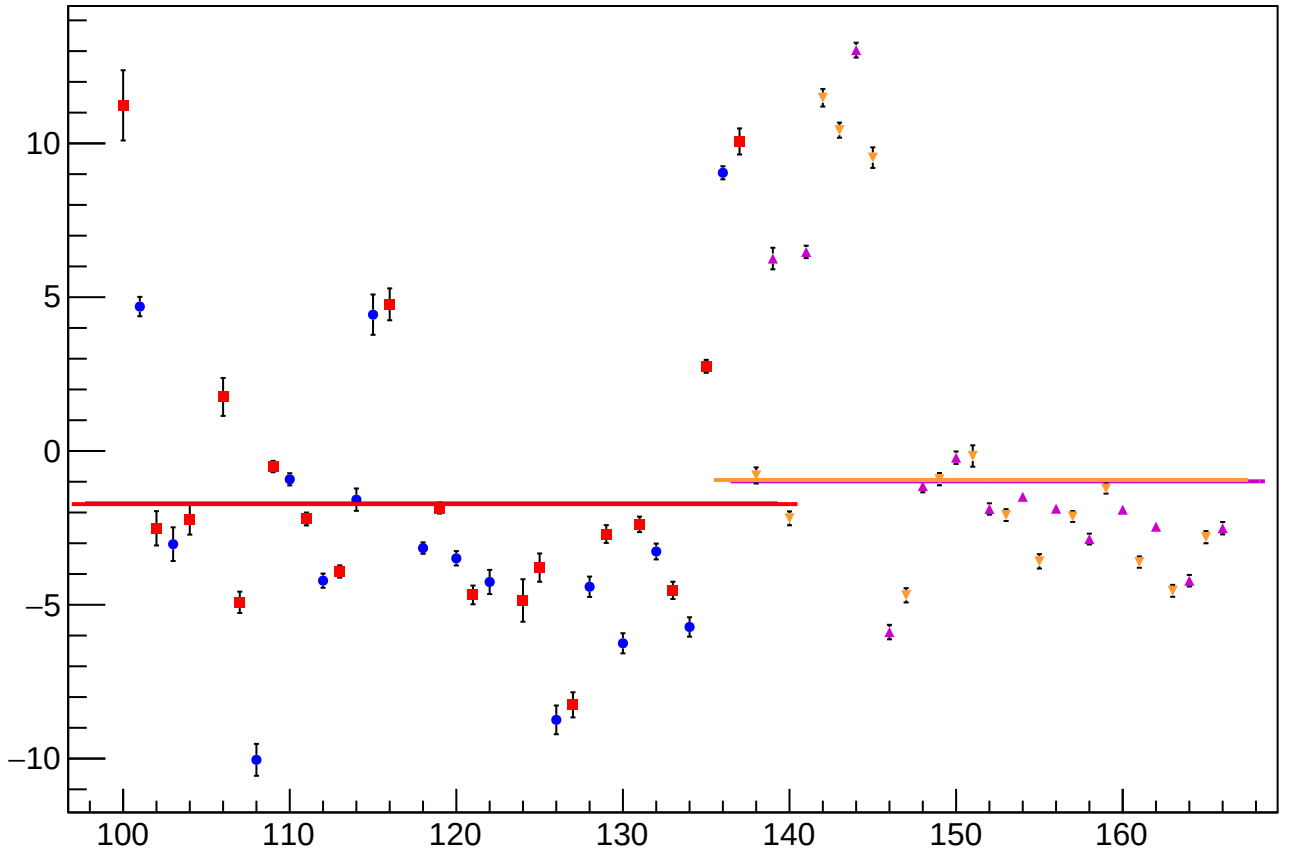
Left: -7.727+/-0.043 χ^2/NDF: 249219.2/28

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.188+/-0.043 χ^2/NDF:198918.5/29

Out: -2.303+/-0.045 χ^2/NDF:238185.4/33

All: -1.199+/-0.031 χ^2/NDF: 438243.4/63



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.943+/-0.056 χ^2/NDF:6157.0/14

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.987+/-0.048 χ^2/NDF:6267.1/13

Left: -0.968+/-0.036 χ^2/NDF: 12424.4/28

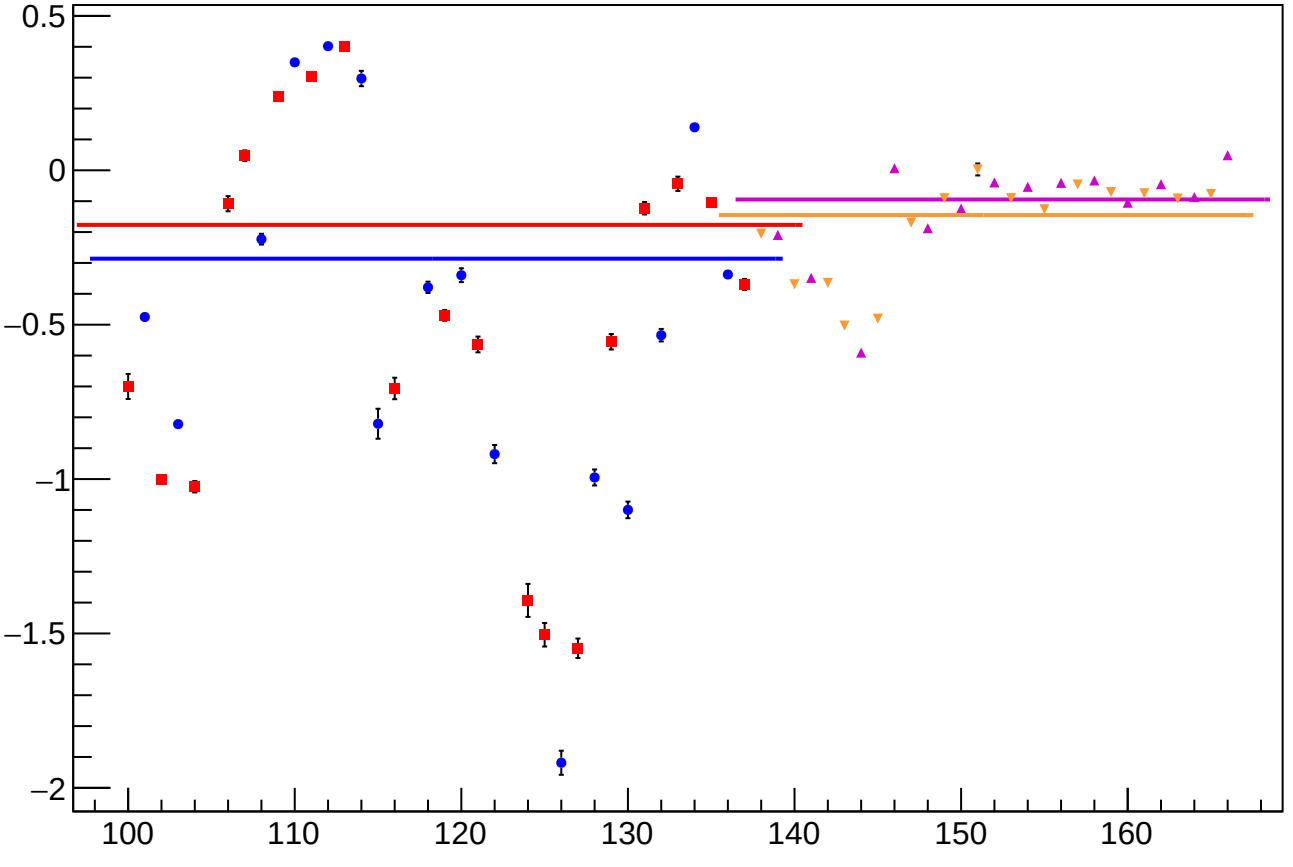
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.207+/-0.040 χ^2/NDF:10627.3/29

Out: -1.266+/-0.043 χ^2/NDF:8547.5/33

All: -1.234+/-0.029 χ^2/NDF: 19175.8/63

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.145+/-0.002 χ^2/NDF:2801.3/14

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.095+/-0.002 χ^2/NDF:3118.8/13

Left: -0.115+/-0.002 χ^2/NDF: 6167.9/28

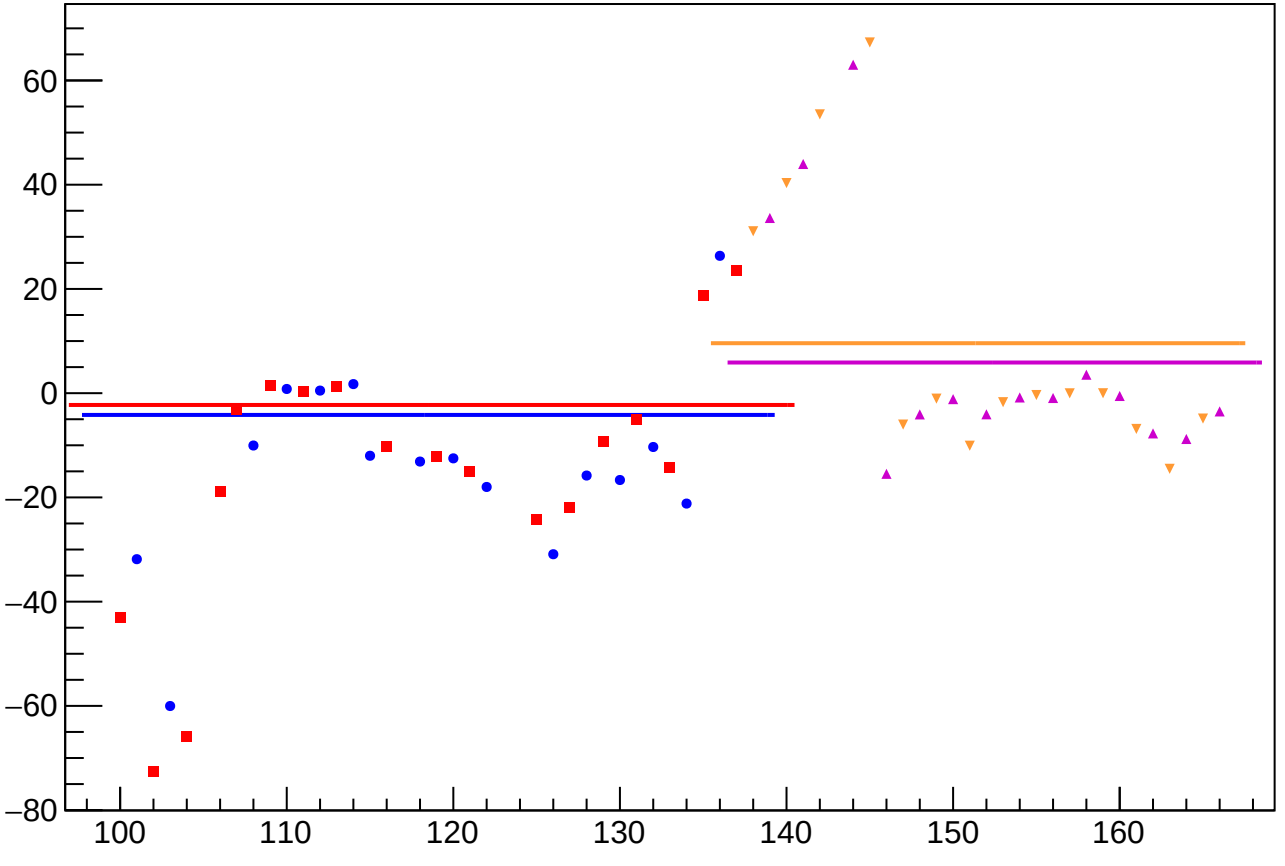
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.130+/-0.002 χ^2/NDF:16113.4/29

Out: -0.154+/-0.002 χ^2/NDF:17616.2/33

All: -0.140+/-0.001 χ^2/NDF: 33802.8/63

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 9.587+/-0.069 χ^2/NDF:104574.5/13

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 5.883+/-0.057 χ^2/NDF:116963.4/13

Left: 7.385+/-0.044 χ^2/NDF: 223263.5/27

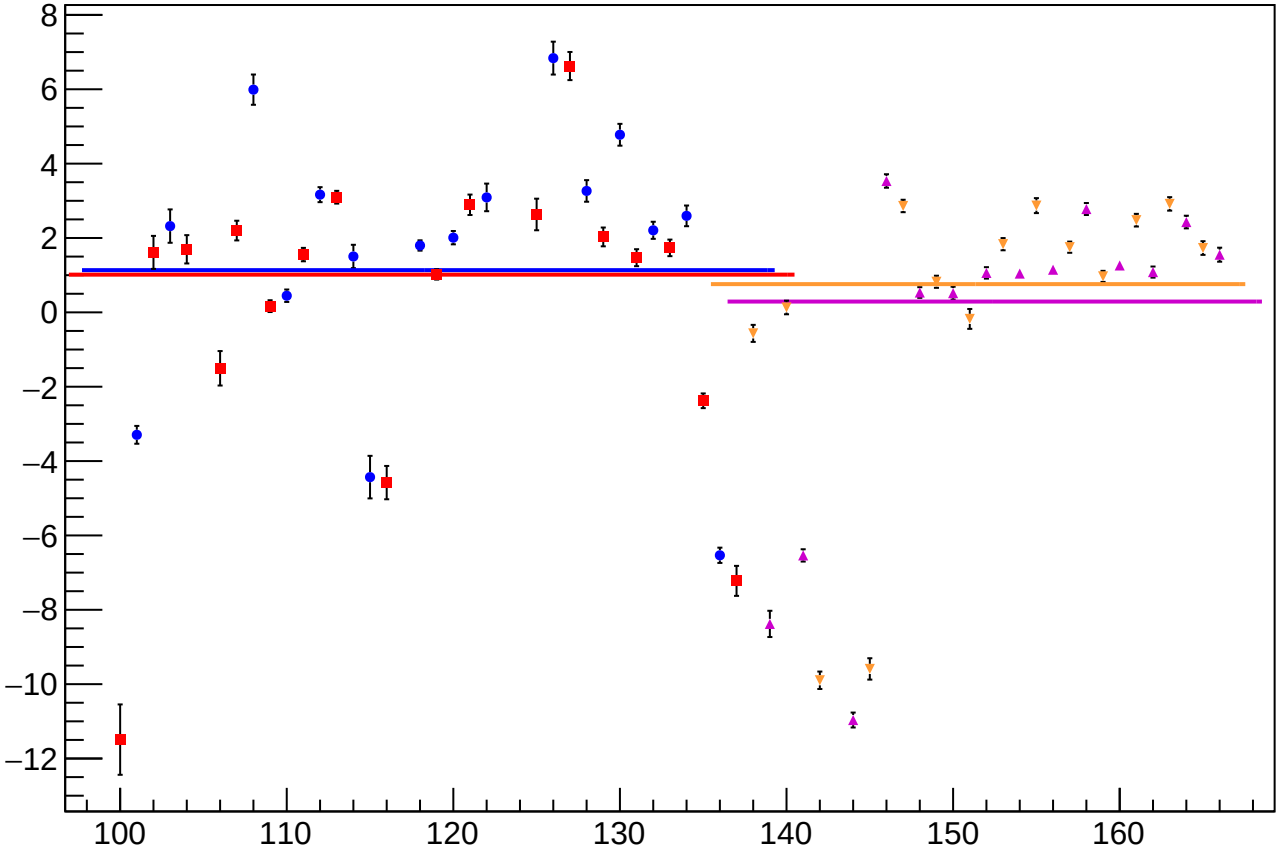
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.642+/-0.039 χ^2/NDF:208691.3/29

Out: 1.406+/-0.038 χ^2/NDF:204701.1/31

All: 1.035+/-0.027 χ^2/NDF: 413586.4/61

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.759+/-0.049 χ^2/NDF:4050.6/13

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.290+/-0.040 χ^2/NDF:6440.7/13

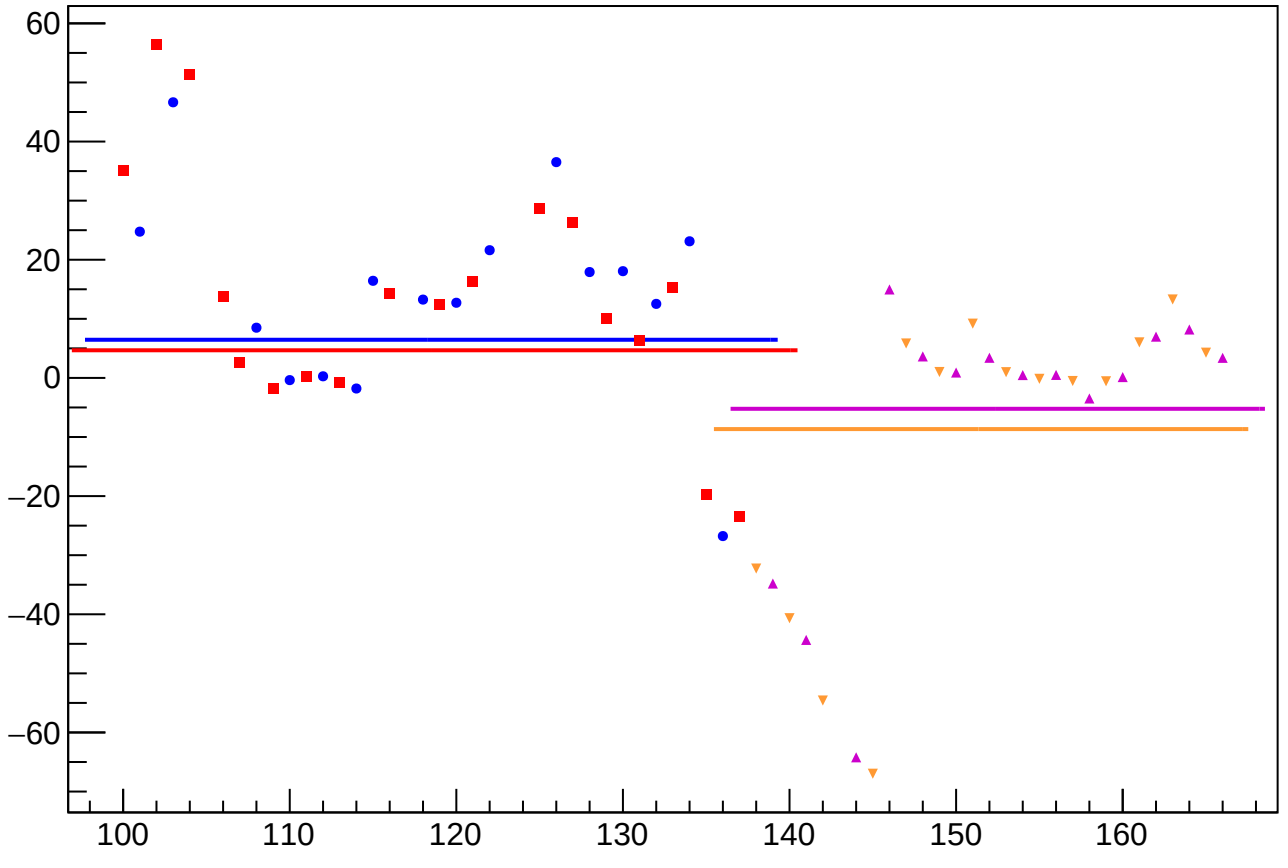
Left: 0.479+/-0.031 χ^2/NDF: 10545.5/27

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.553+/-0.034 χ^2/NDF:9172.2/29

Out: 0.868+/-0.037 χ^2/NDF:5655.0/31

All: 0.693+/-0.025 χ^2/NDF: 14866.7/61



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -8.659+/-0.066 χ^2/NDF:102236.3/13

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -5.226+/-0.054 χ^2/NDF:115343.0/13

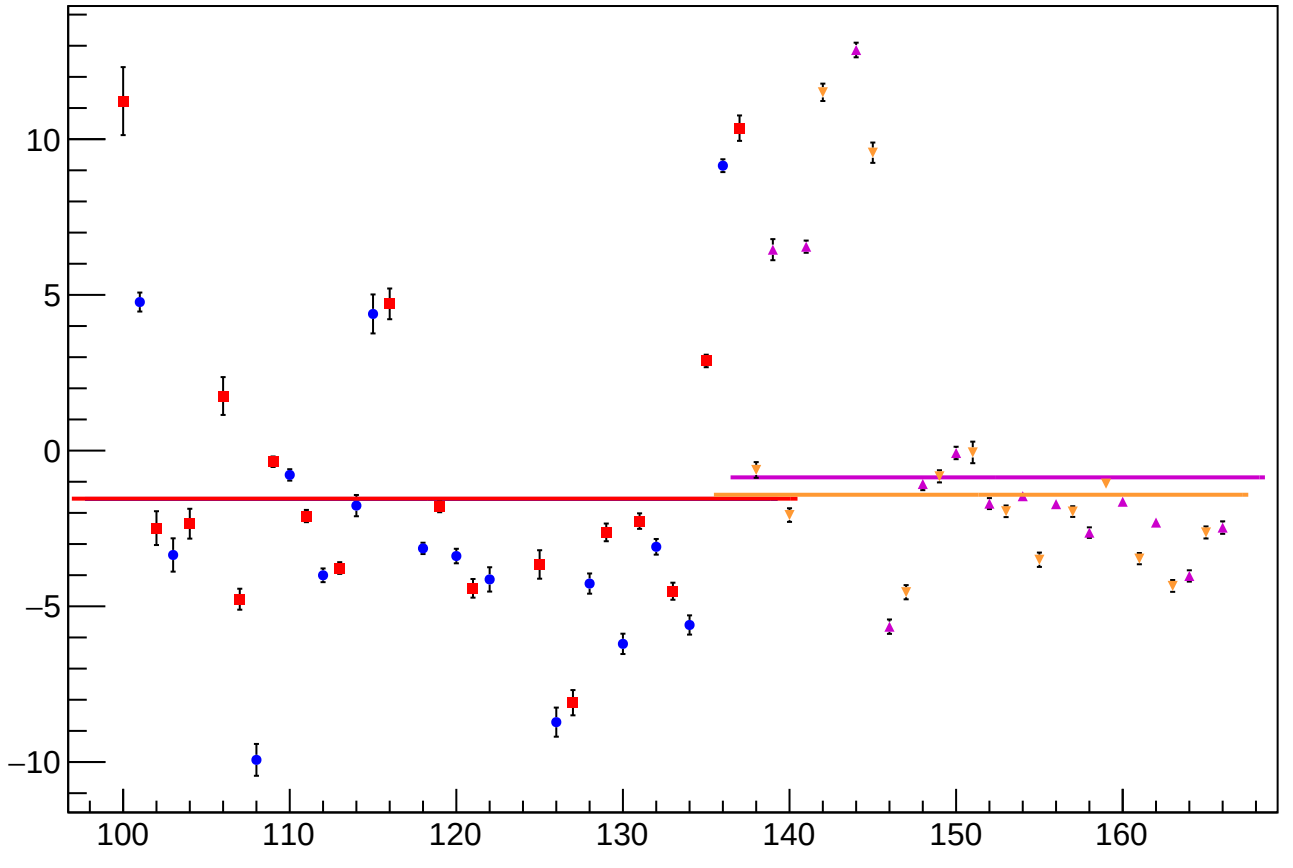
Left: -6.604+/-0.042 χ^2/NDF: 219176.8/27

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.407+/-0.042 χ^2/NDF:205142.4/29

Out: -1.210+/-0.044 χ^2/NDF:199138.6/31

All: -0.786+/-0.030 χ^2/NDF: 404455.9/61



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.417+/-0.056 χ^2/NDF:4020.1/13

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.859+/-0.046 χ^2/NDF:6442.9/13

Left: -1.083+/-0.035 χ^2/NDF: 10522.6/27

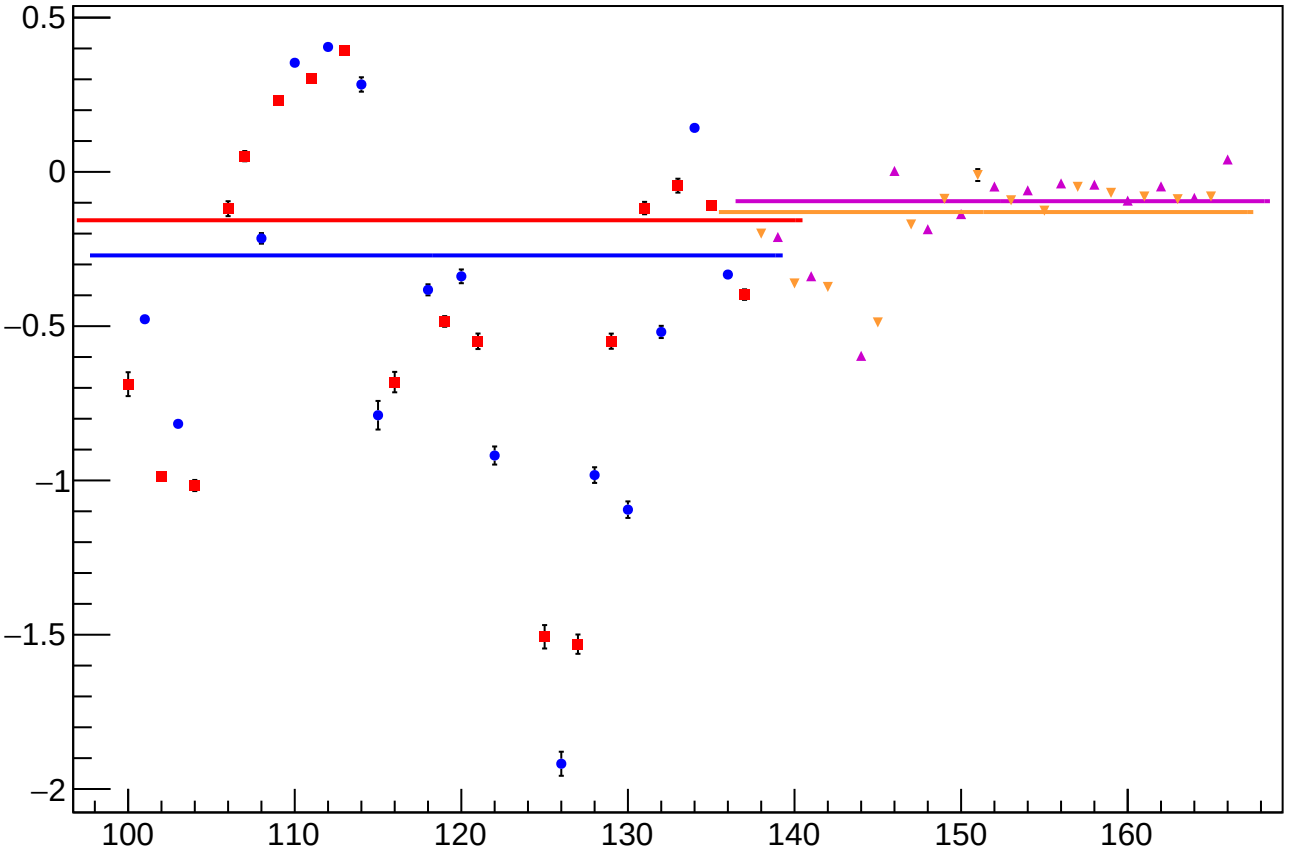
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.069+/-0.038 χ^2/NDF:11056.1/29

Out: -1.471+/-0.042 χ^2/NDF:6495.3/31

All: -1.250+/-0.028 χ^2/NDF: 17601.2/61

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.130+/-0.002 χ^2/NDF:1985.1/13

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3229.8/13

Left: -0.109+/-0.002 χ^2/NDF: 5340.5/27

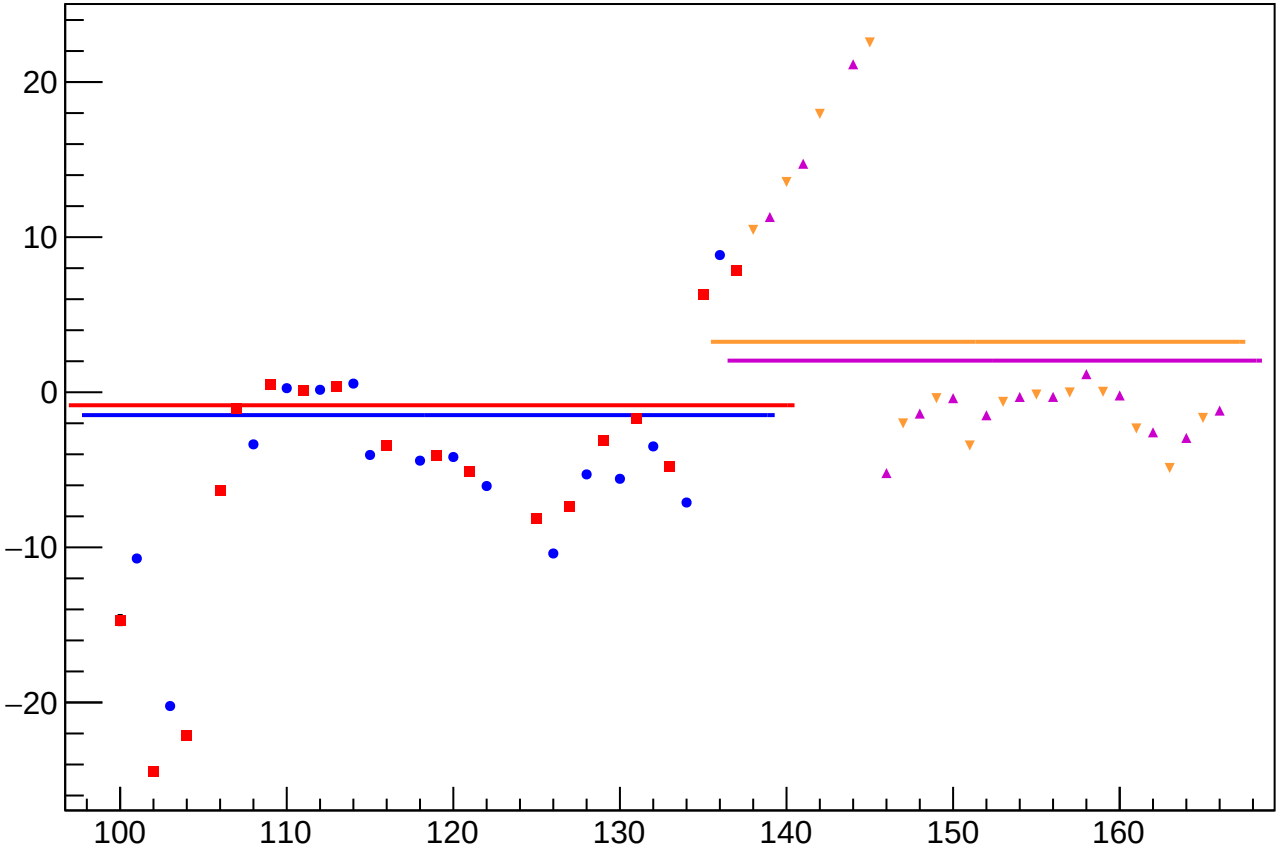
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.127+/-0.002 χ^2/NDF:16796.8/29

Out: -0.138+/-0.002 χ^2/NDF:17038.8/31

All: -0.132+/-0.001 χ^2/NDF: 33851.6/61

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 3.254+/-0.023 χ^2/NDF:102700.0/13

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.040+/-0.020 χ^2/NDF:114314.8/13

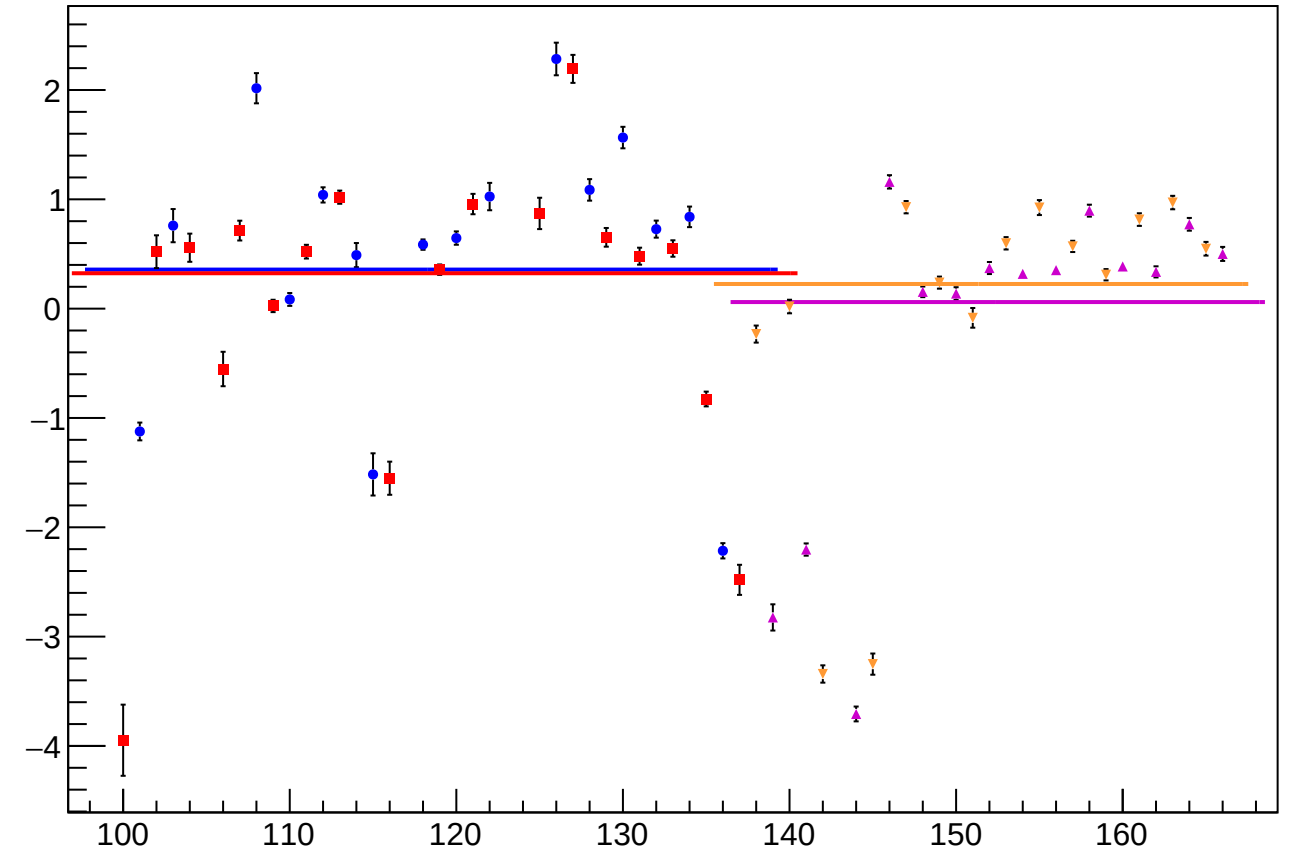
Left: 2.537+/-0.015 χ^2/NDF: 218596.3/27

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.209+/-0.014 χ^2/NDF:204872.9/29

Out: 0.464+/-0.013 χ^2/NDF:201455.7/31

All: 0.339+/-0.009 χ^2/NDF: 406510.8/61



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.226+/-0.017 χ^2/NDF:3997.2/13

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.060+/-0.014 χ^2/NDF:6272.5/13

Left: 0.127+/-0.011 χ^2/NDF: 10327.2/27

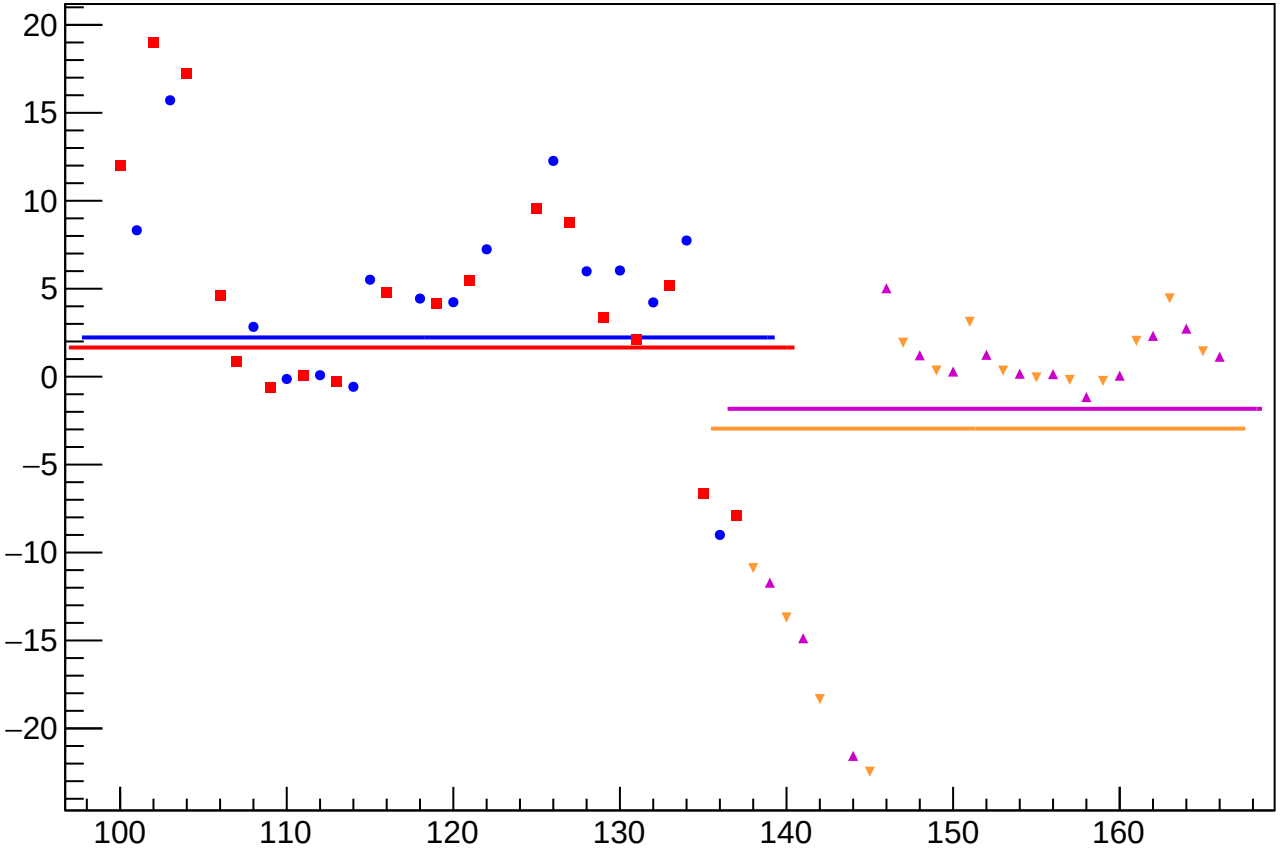
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.153+/-0.012 χ^2/NDF:8958.5/29

Out: 0.267+/-0.013 χ^2/NDF:5570.6/31

All: 0.204+/-0.009 χ^2/NDF: 14572.6/61

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.953+/-0.023 χ^2/NDF:100435.0/13

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.828+/-0.019 χ^2/NDF:112817.7/13

Left: -2.285+/-0.014 χ^2/NDF: 214715.6/27

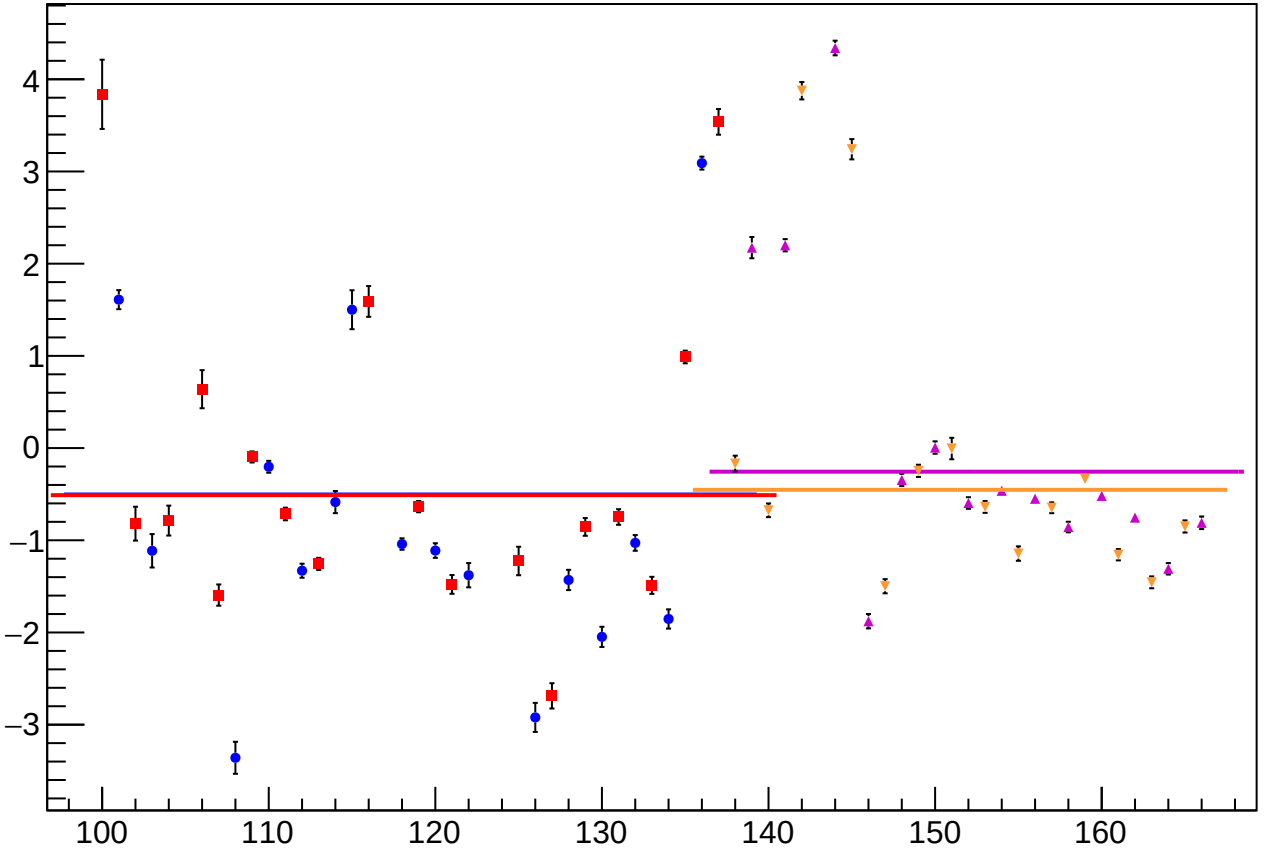
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.144+/-0.014 χ^2/NDF:201442.0/29

Out: -0.410+/-0.015 χ^2/NDF:196019.9/31

All: -0.269+/-0.010 χ^2/NDF: 397623.5/61

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.453+/-0.019 χ^2/NDF:3971.0/13

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.256+/-0.016 χ^2/NDF:6285.8/13

Left: -0.336+/-0.012 χ^2/NDF: 10319.9/27

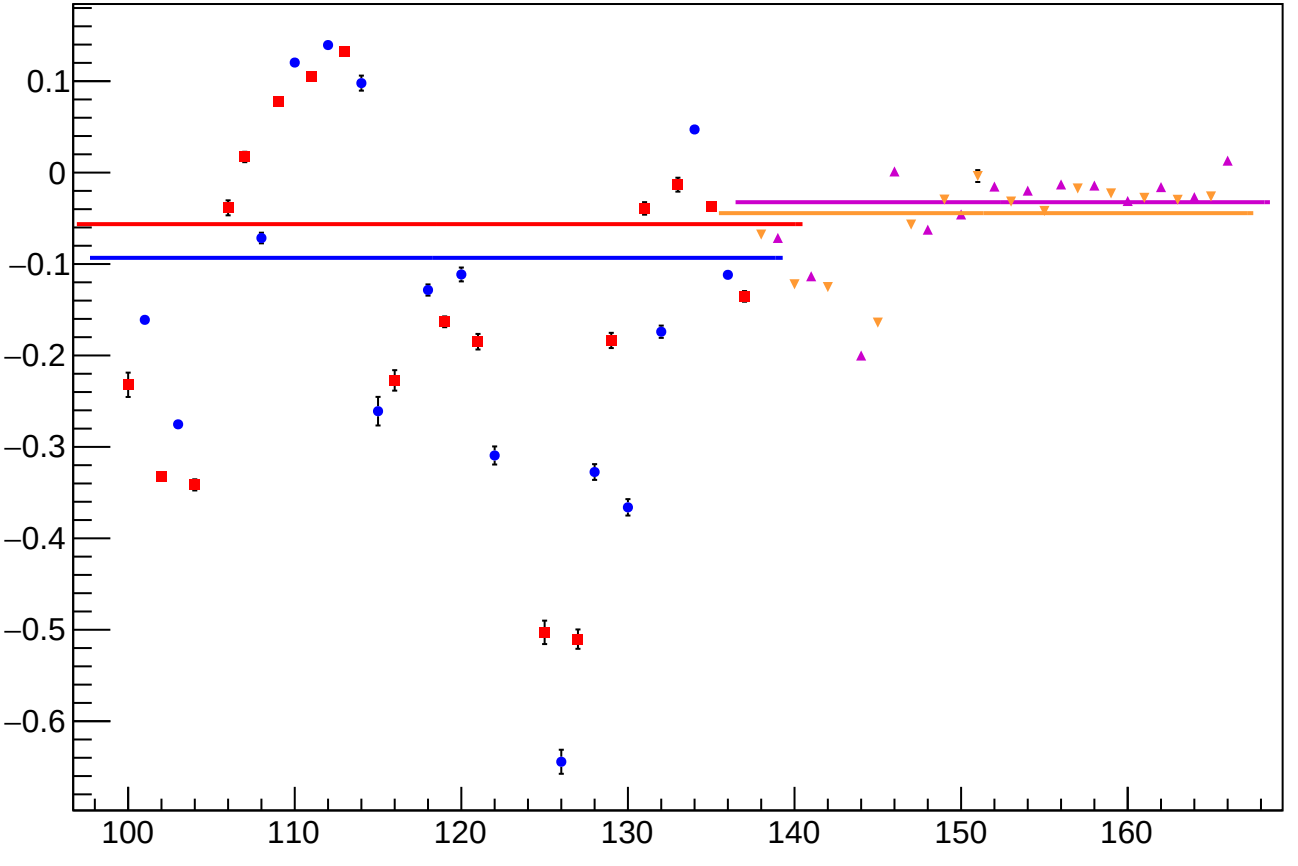
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.332+/-0.013 χ^2/NDF:10808.7/29

Out: -0.477+/-0.014 χ^2/NDF:6398.9/31

All: -0.397+/-0.010 χ^2/NDF: 17262.8/61

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.044+/-0.001 χ^2/NDF:1945.3/13

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.032+/-0.001 χ^2/NDF:3153.8/13

Left: -0.037+/-0.001 χ^2/NDF: 5222.6/27

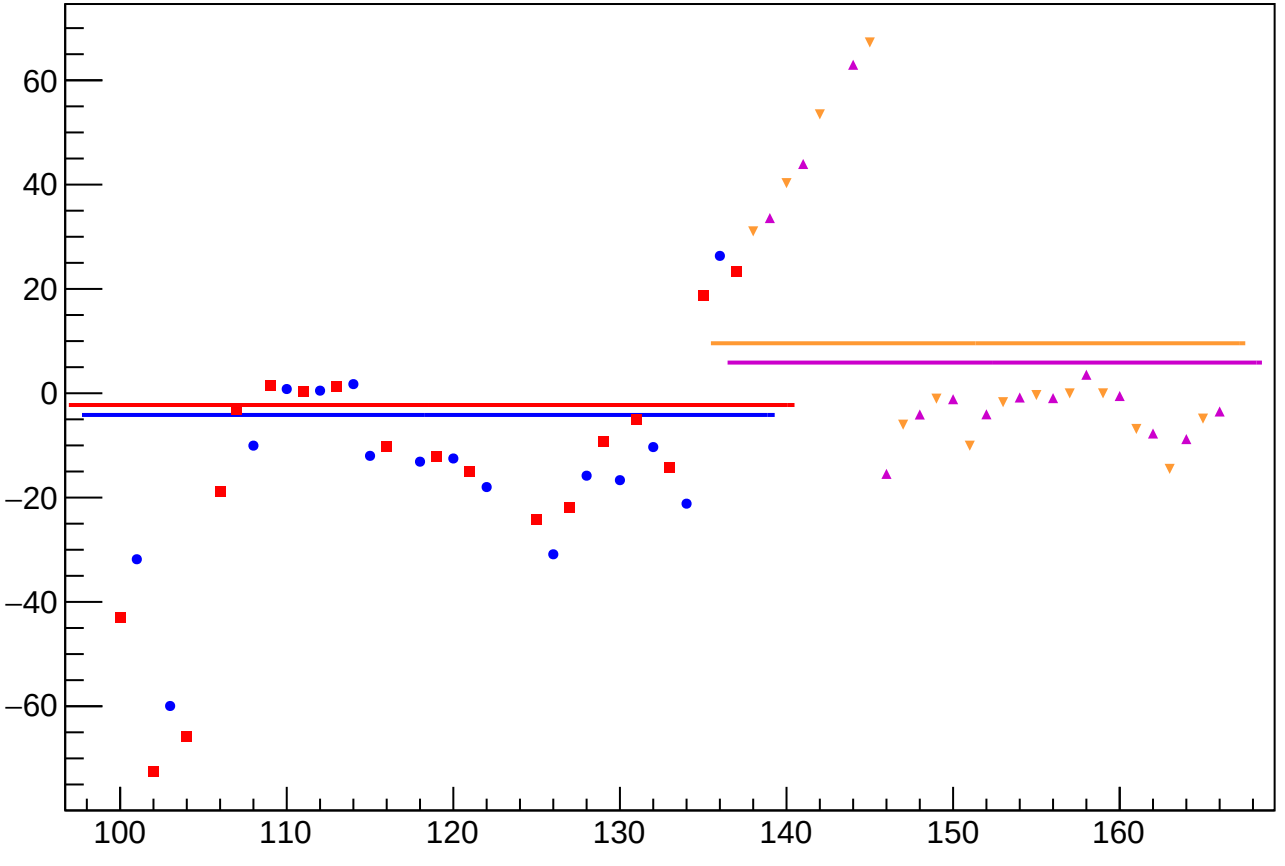
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.044+/-0.001 χ^2/NDF:16402.9/29

Out: -0.048+/-0.001 χ^2/NDF:16462.7/31

All: -0.045+/-0.000 χ^2/NDF: 32885.1/61

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 9.584+/-0.069 χ^2/NDF:104557.0/13

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 5.880+/-0.057 χ^2/NDF:116978.4/13

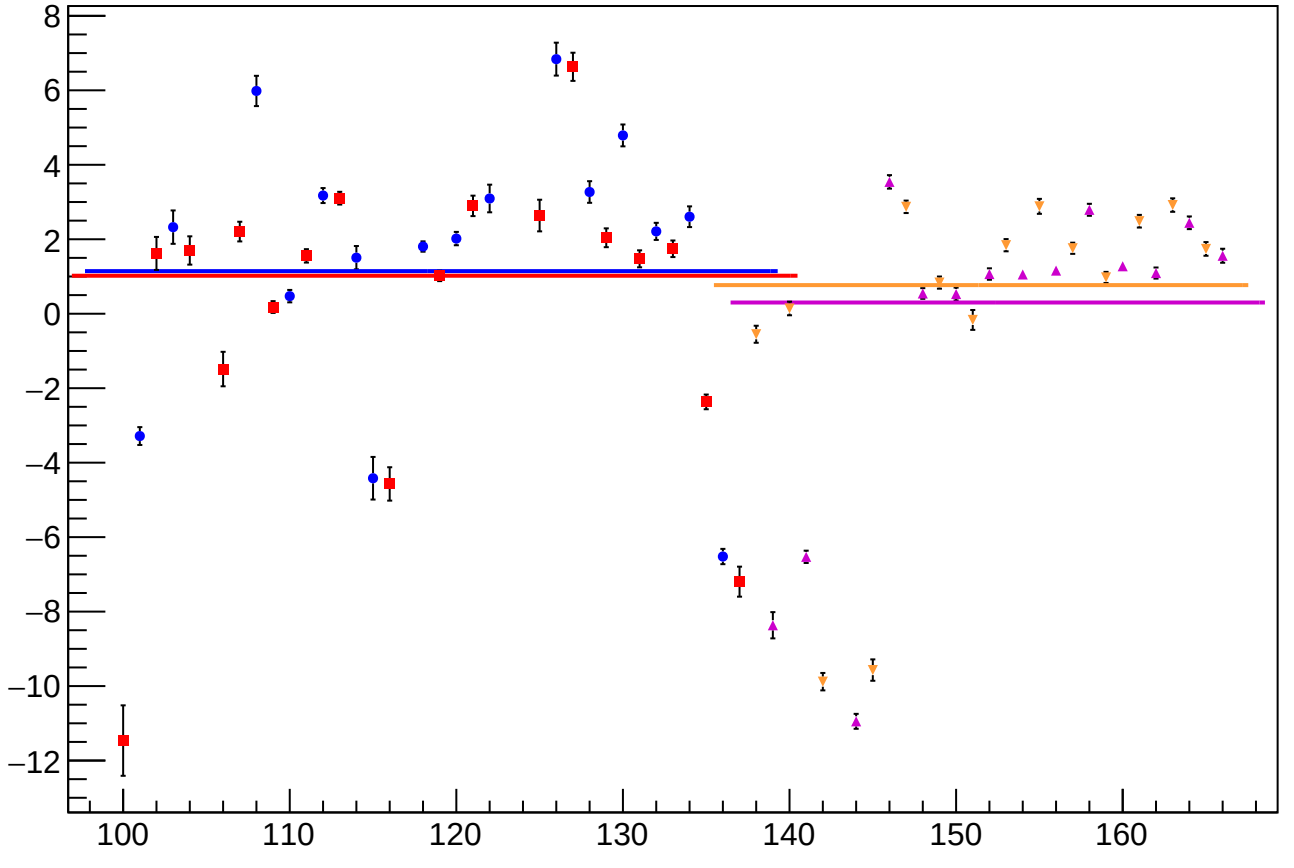
Left: 7.382+/-0.044 χ^2/NDF: 223262.9/27

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.646+/-0.039 χ^2/NDF:208713.3/29

Out: 1.408+/-0.038 χ^2/NDF:204693.4/31

All: 1.038+/-0.027 χ^2/NDF: 413600.1/61



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.769+/-0.049 χ^2/NDF:4049.9/13

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.301+/-0.040 χ^2/NDF:6446.6/13

Left: 0.489+/-0.031 χ^2/NDF: 10550.4/27

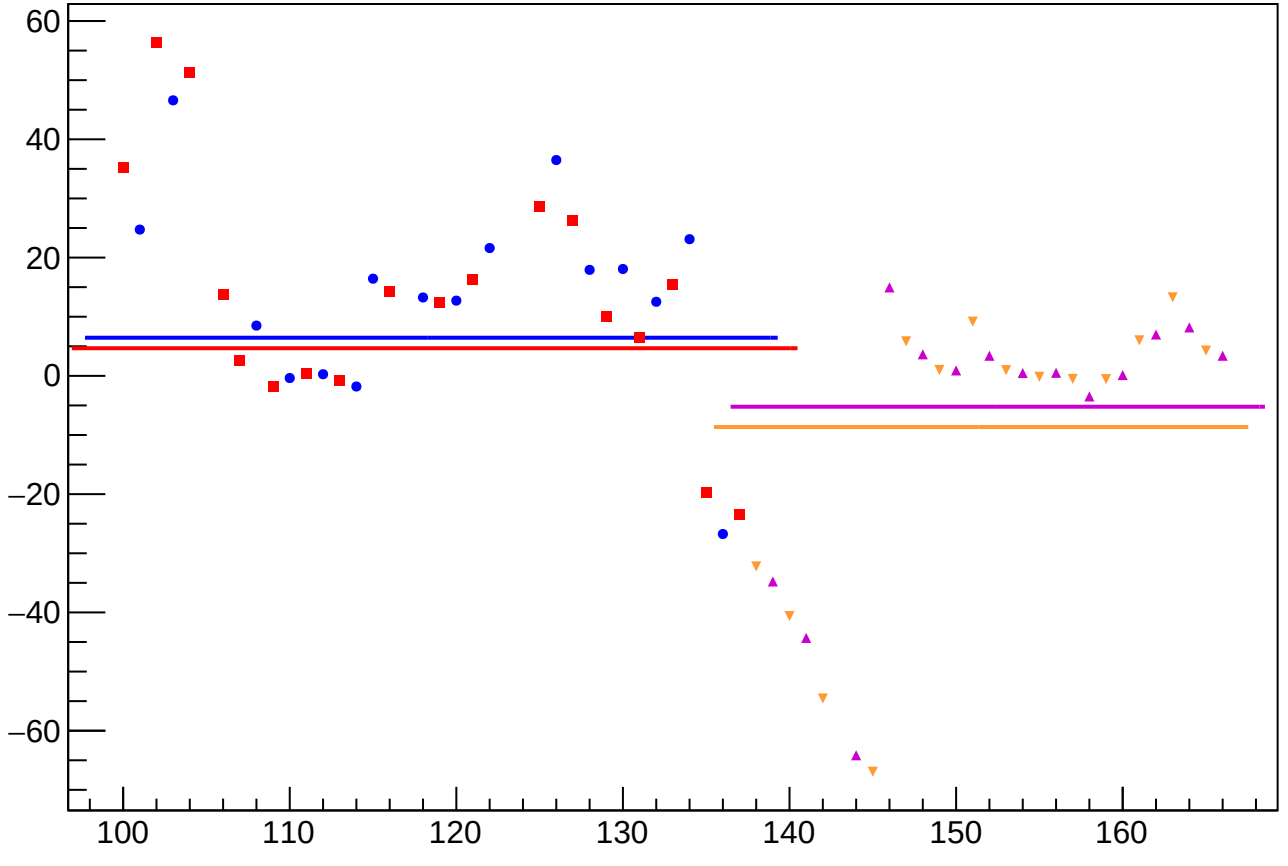
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.563+/-0.034 χ^2/NDF:9177.4/29

Out: 0.876+/-0.037 χ^2/NDF:5652.3/31

All: 0.703+/-0.025 χ^2/NDF: 14868.7/61

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -8.651+/-0.066 χ^2/NDF:102217.9/13

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.218+/-0.054 χ^2/NDF:115355.3/13

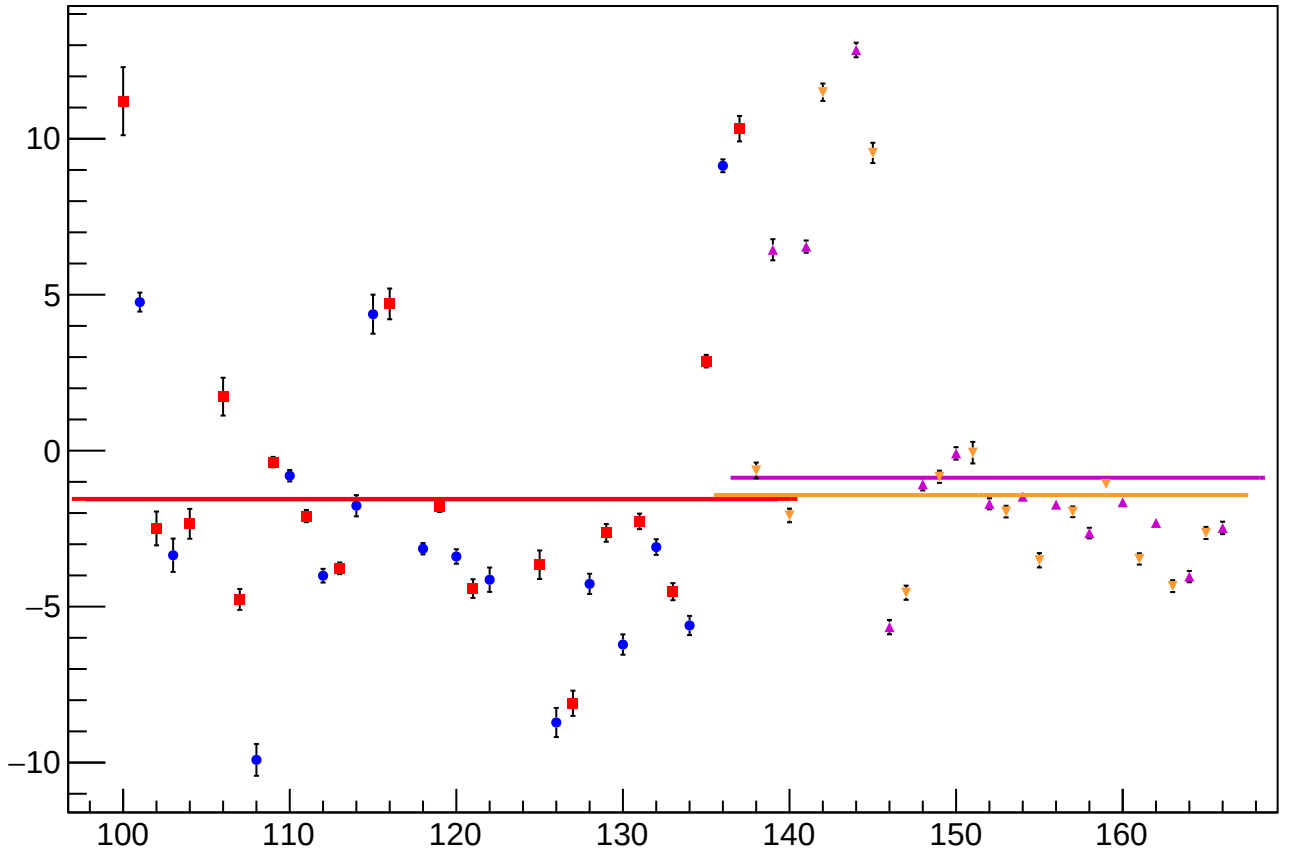
Left: -6.596+/-0.042 χ^2/NDF: 219172.9/27

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.405+/-0.042 χ^2/NDF:205157.6/29

Out: -1.207+/-0.044 χ^2/NDF:199124.0/31

All: -0.783+/-0.030 χ^2/NDF: 404456.1/61



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.424+/-0.056 χ^2/NDF:4018.8/13

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.868+/-0.046 χ^2/NDF:6447.9/13

Left: -1.090+/-0.035 χ^2/NDF: 10525.9/27

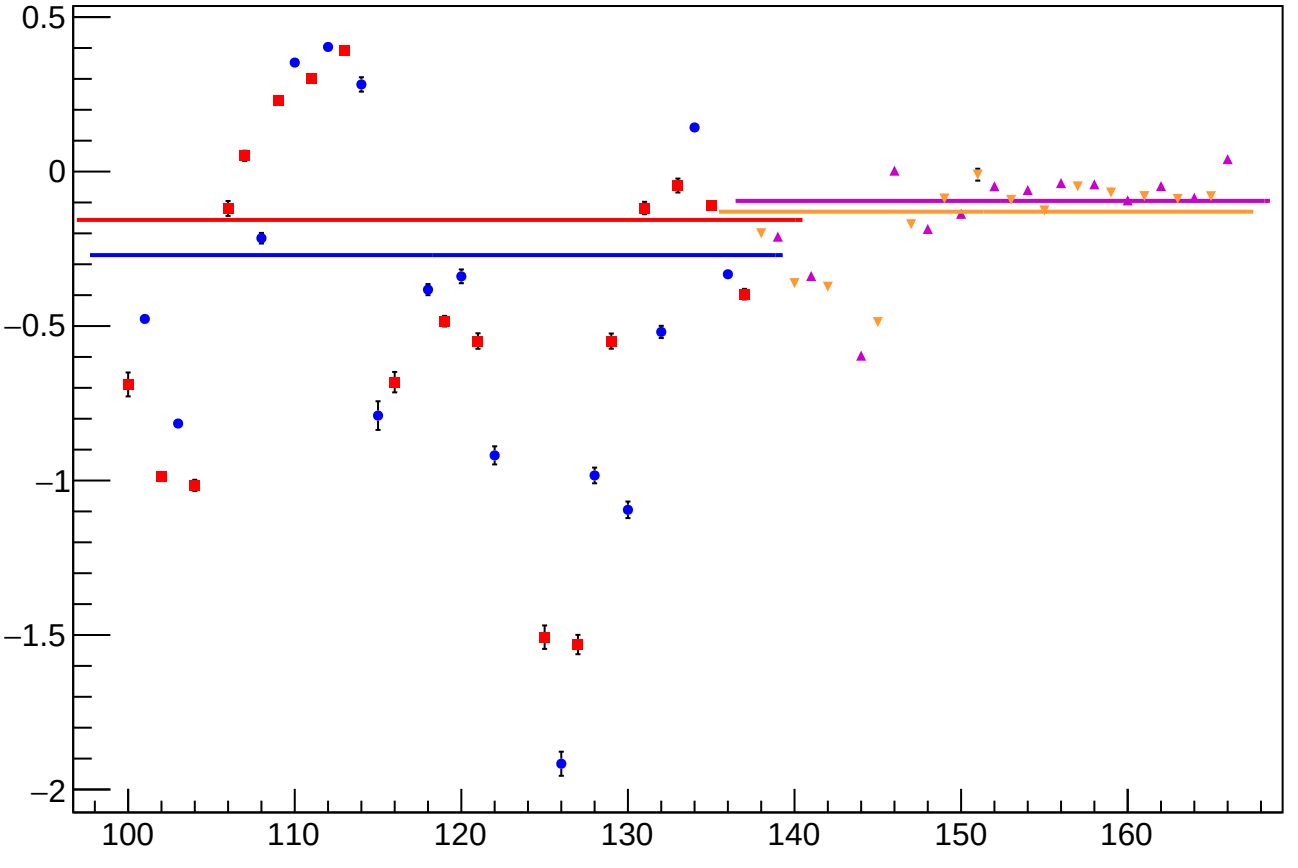
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.077+/-0.038 χ^2/NDF:11060.2/29

Out: -1.477+/-0.042 χ^2/NDF:6490.9/31

All: -1.257+/-0.028 χ^2/NDF: 17600.3/61

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.130+/-0.002 χ^2/NDF:1985.6/13

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.5/13

Left: -0.109+/-0.002 χ^2/NDF: 5340.6/27

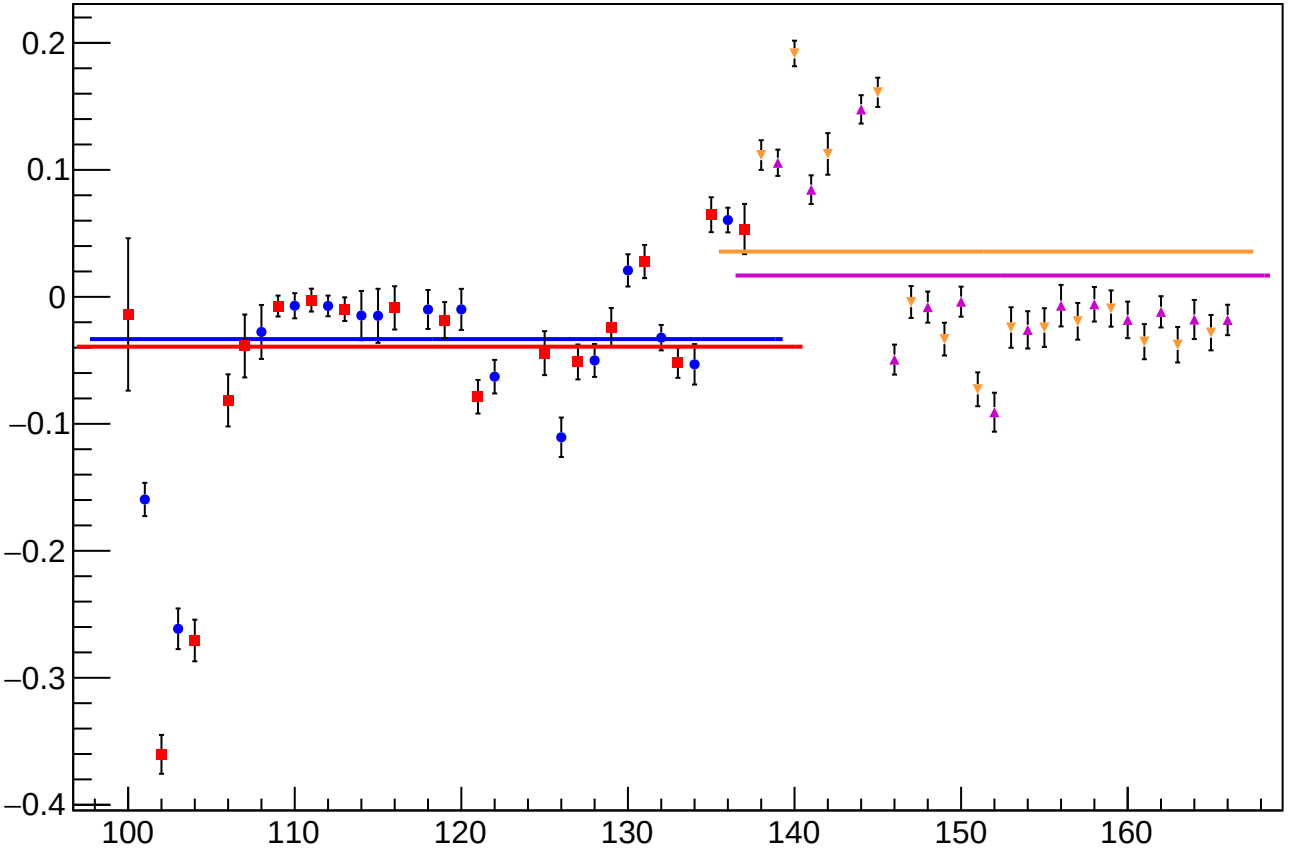
Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.127+/-0.002 χ^2/NDF:16796.0/29

Out: -0.138+/-0.002 χ^2/NDF:17050.1/31

All: -0.132+/-0.001 χ^2/NDF: 33861.6/61

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.036+/-0.004 χ^2/NDF:656.4/13

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.017+/-0.003 χ^2/NDF:372.4/13

Left: 0.026+/-0.002 χ^2/NDF: 1043.5/27

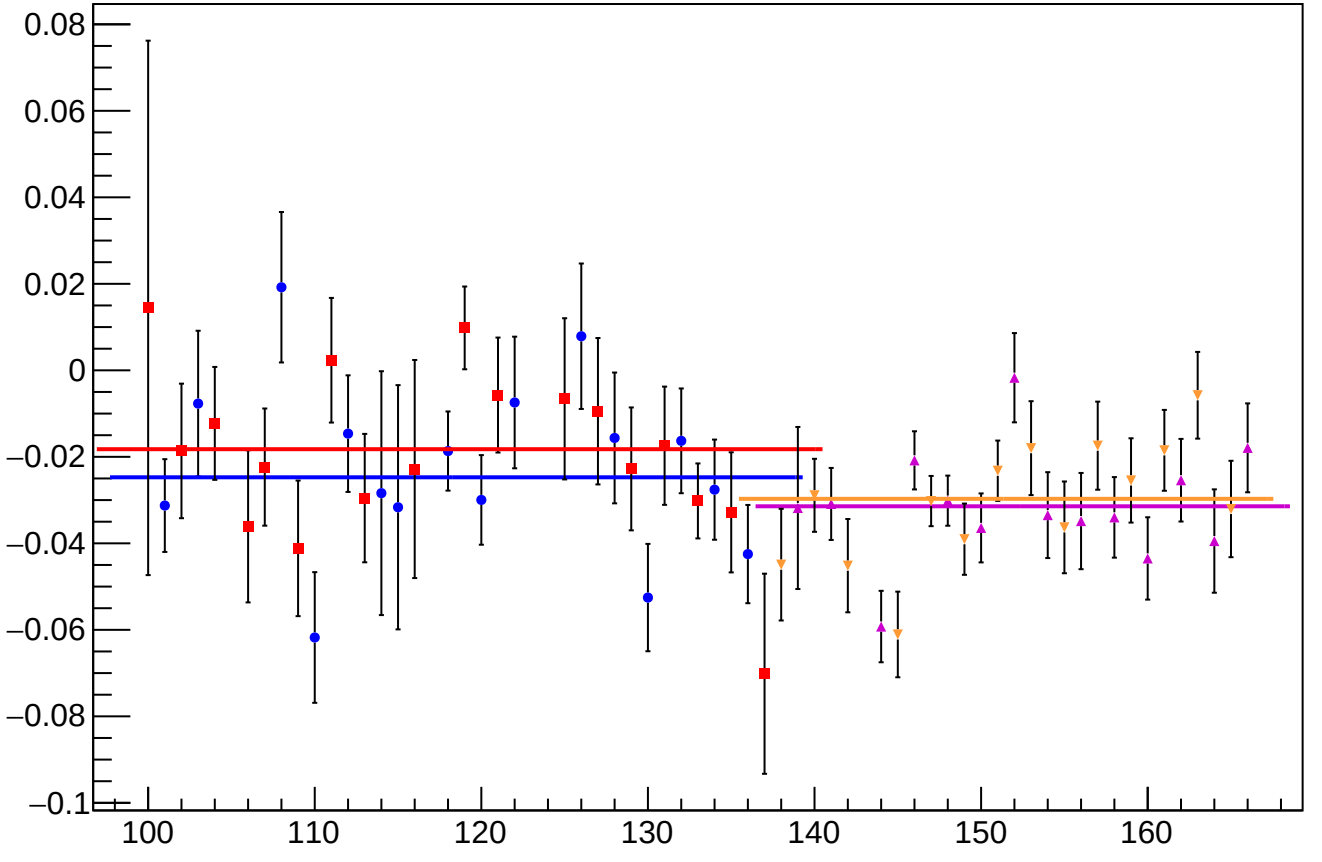
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.010+/-0.002 χ^2/NDF:950.6/29

Out: -0.006+/-0.002 χ^2/NDF:1711.5/31

All: -0.008+/-0.002 χ^2/NDF: 2663.4/61

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.030+/-0.002 χ^2/NDF:26.0/13

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.002 χ^2/NDF:27.0/13

Left: -0.031+/-0.002 χ^2/NDF: 53.3/27

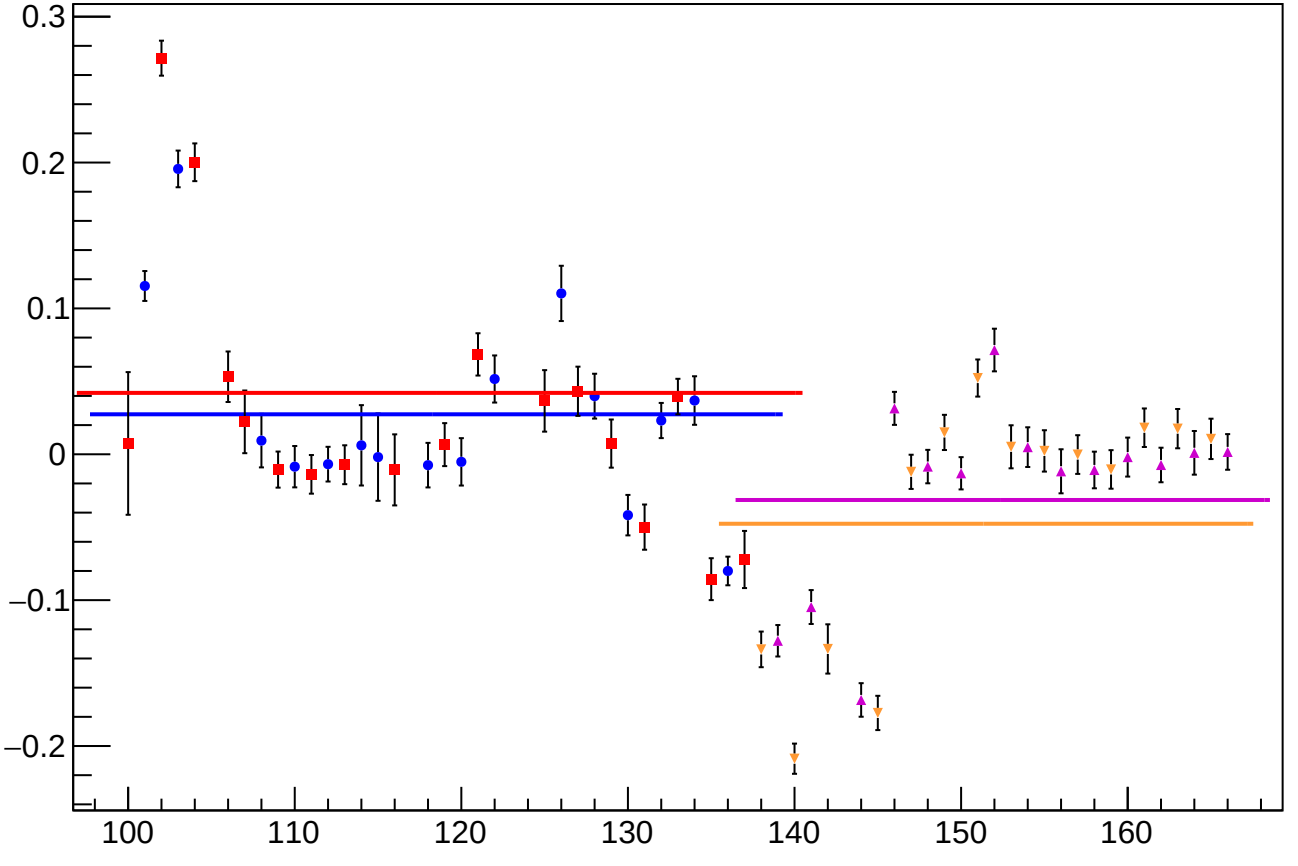
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:58.2/29

Out: -0.026+/-0.002 χ^2/NDF:58.3/31

All: -0.028+/-0.001 χ^2/NDF: 118.0/61

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.048+/-0.003 χ^2/NDF:649.1/13

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.031+/-0.003 χ^2/NDF:381.3/13

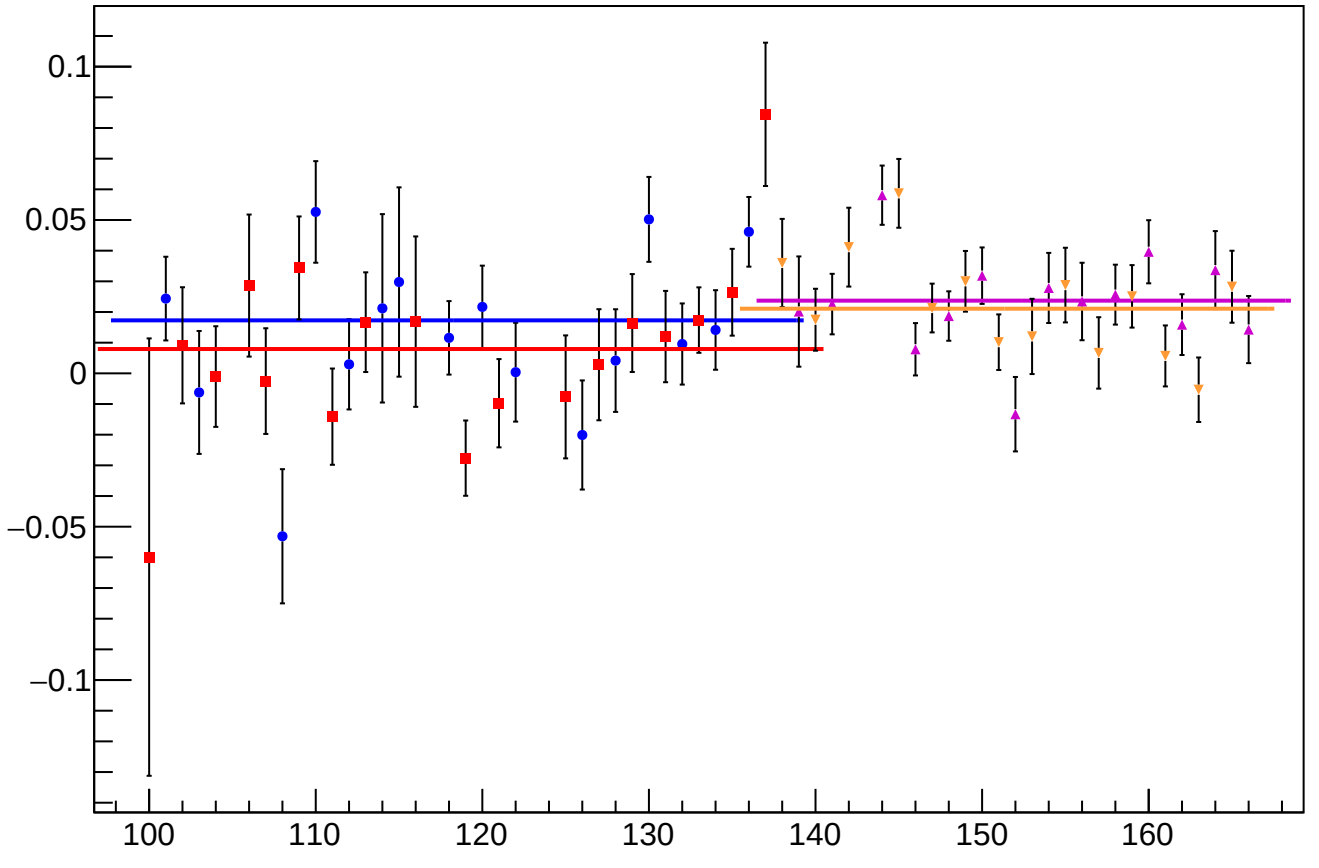
Left: -0.039+/-0.002 χ^2/NDF: 1042.1/27

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.2/29

Out: -0.005+/-0.002 χ^2/NDF:1703.5/31

All: -0.005+/-0.002 χ^2/NDF: 2676.8/61



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.9/13

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:31.2/13

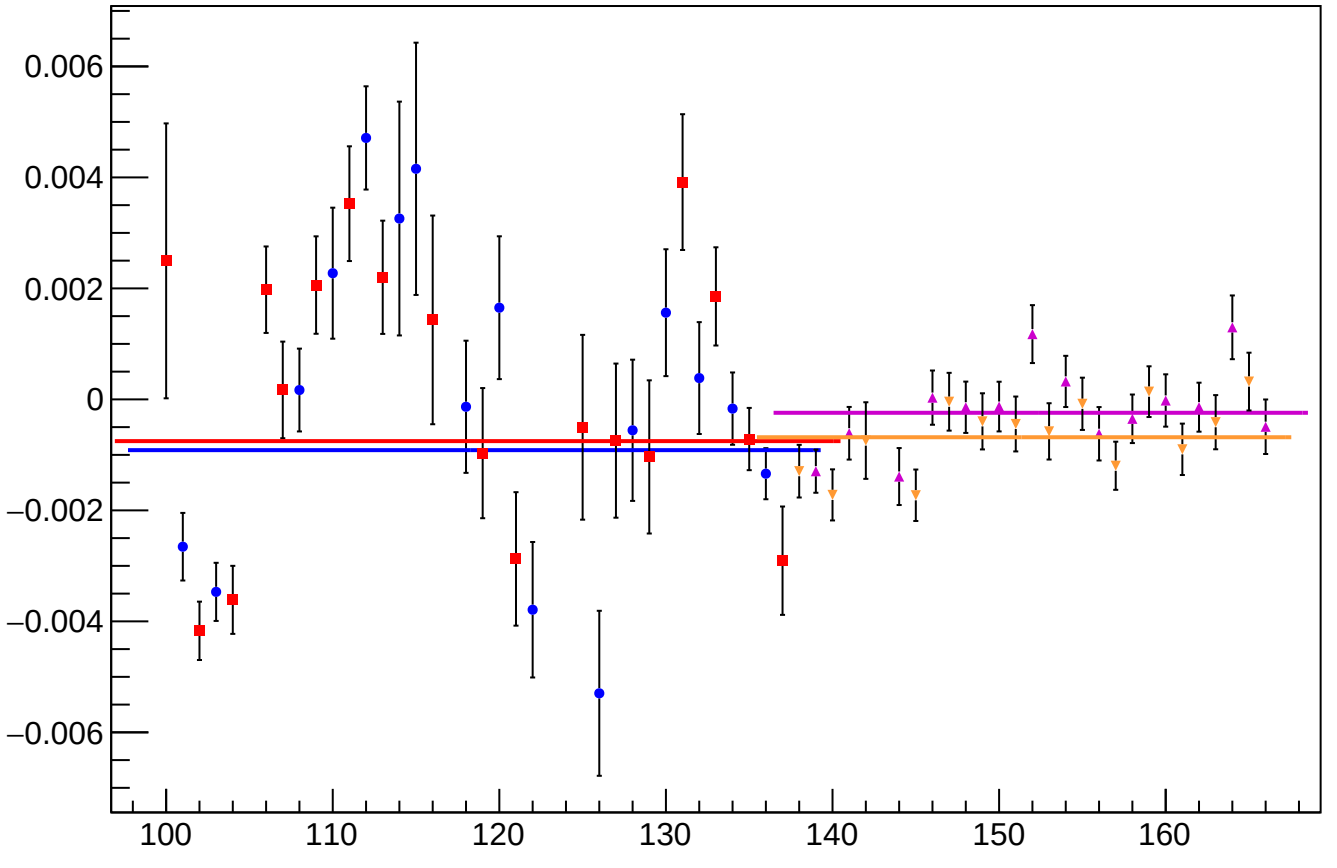
Left: 0.022+/-0.002 χ^2/NDF: 60.5/27

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.022+/-0.002 χ^2/NDF:69.7/29

Out: 0.017+/-0.002 χ^2/NDF:67.7/31

All: 0.019+/-0.002 χ^2/NDF: 139.8/61



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:24.5/13

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.7/13

Left: -0.000+/-0.000 χ^2/NDF: 61.0/27

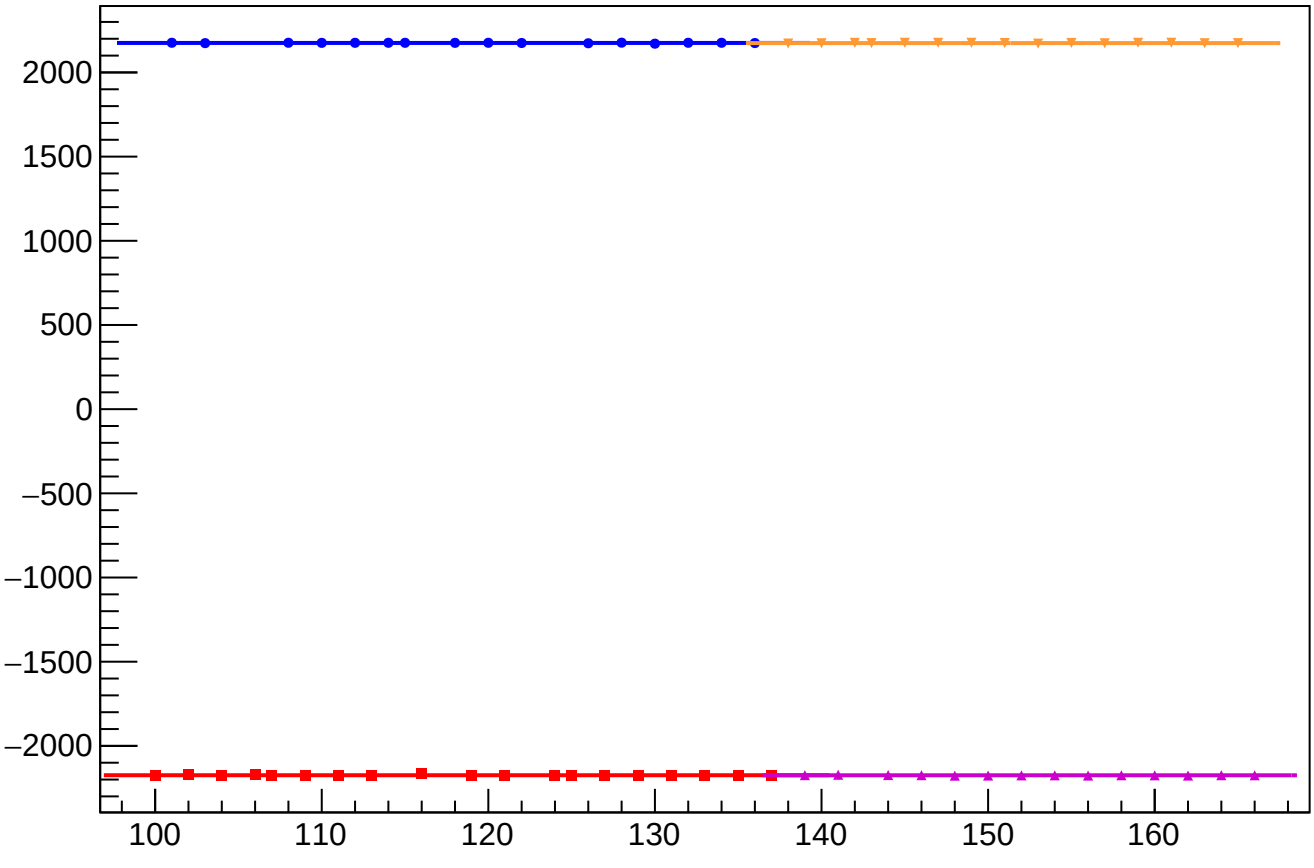
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.2/29

Out: -0.001+/-0.000 χ^2/NDF:172.1/31

All: -0.001+/-0.000 χ^2/NDF: 327.7/61

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.413+/-0.000 χ^2/NDF:34869498576192777014324081700372 48.0/14

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.598+/-0.000 χ^2/NDF:244925314252475262915959630436 7616.0/13

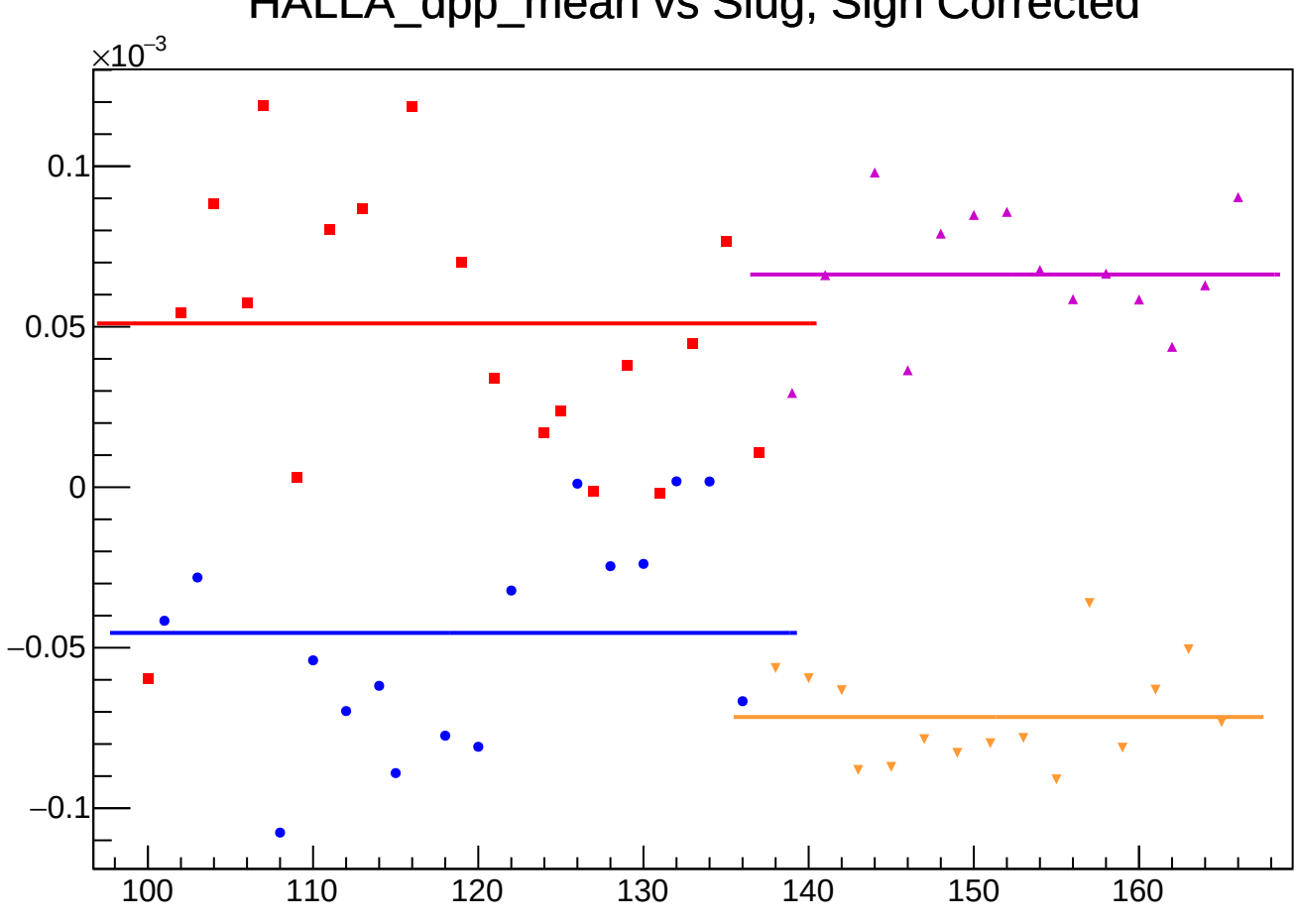
Left: 30.283+/-0.000 χ^2/NDF: 115086726076245 6

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 1

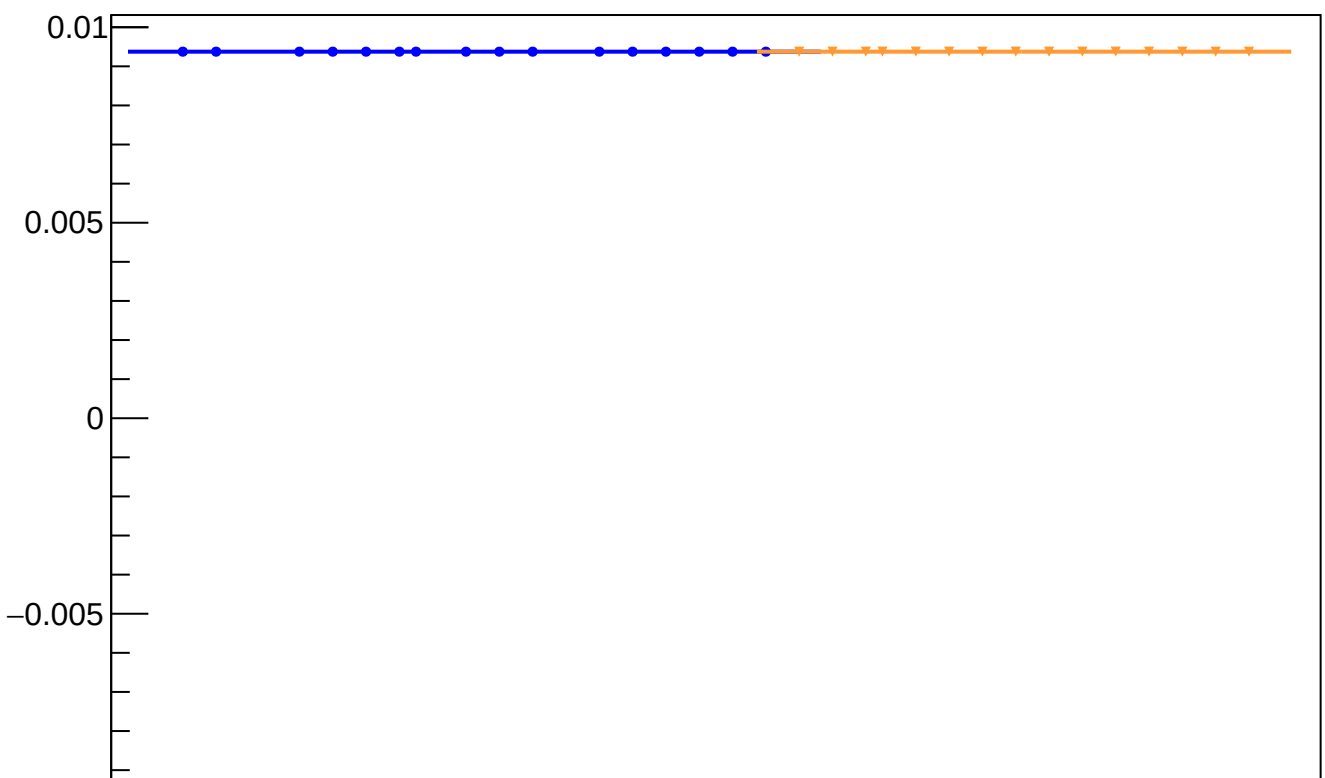
In: -514.010+/-0.000 χ^2/NDF:866787314479855 4

Out: 512.878+/-0.000 χ^2/NDF:89163749957174 10

All: 6.735+/-0.000 χ^2/NDF: 1862219208501 9


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2955446904486613787607040.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:4613343740929099977195520.0/13
Left: -0.000+/-0.000 χ²/NDF: 12320535278704767
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6885847077227649227
Out: -0.000+/-0.000 χ²/NDF:83967563485044440
All: -0.000+/-0.000 χ²/NDF: 1758742875989

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

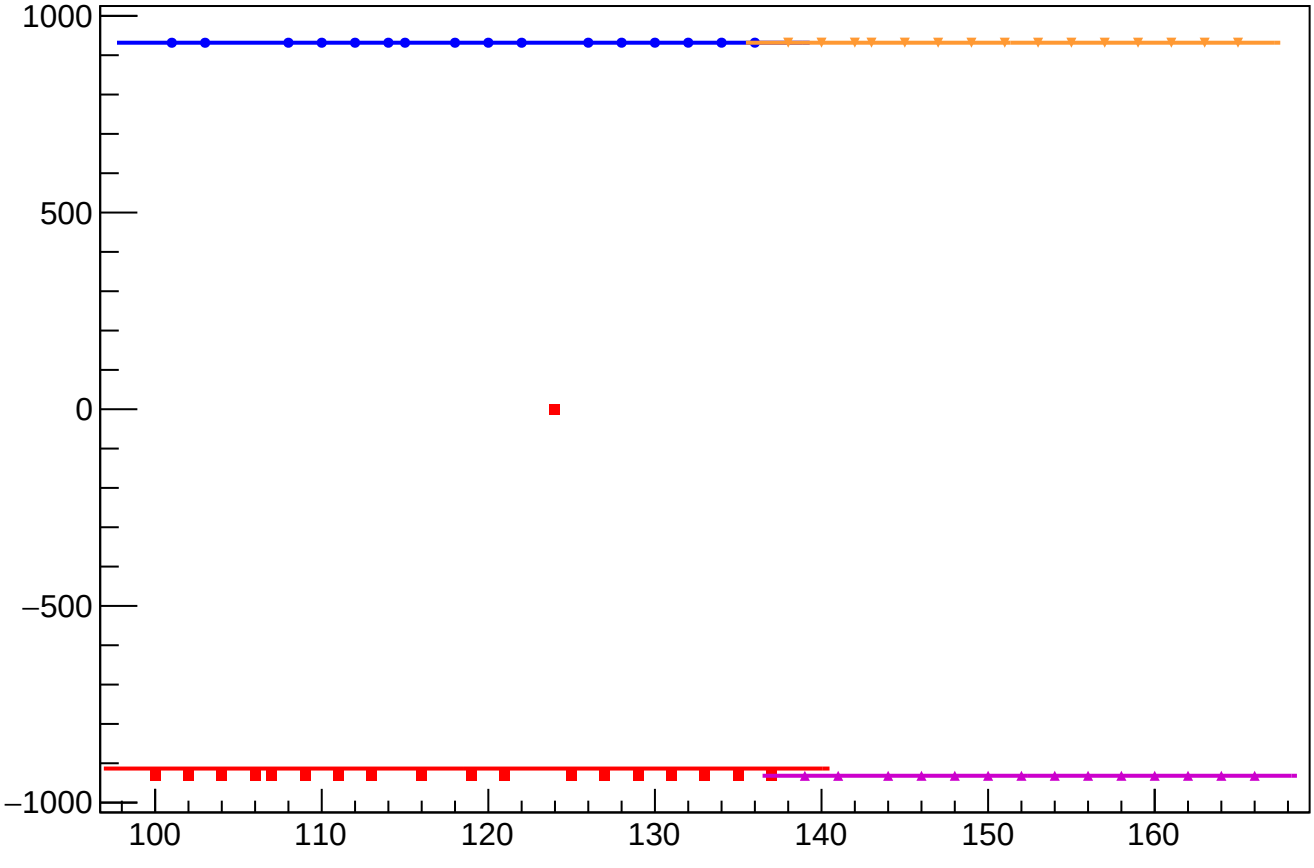
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4146050279758298861115919040512.0/14

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.773+/-0.000 χ^2/NDF:364937569722832568856422960332 8.0/13

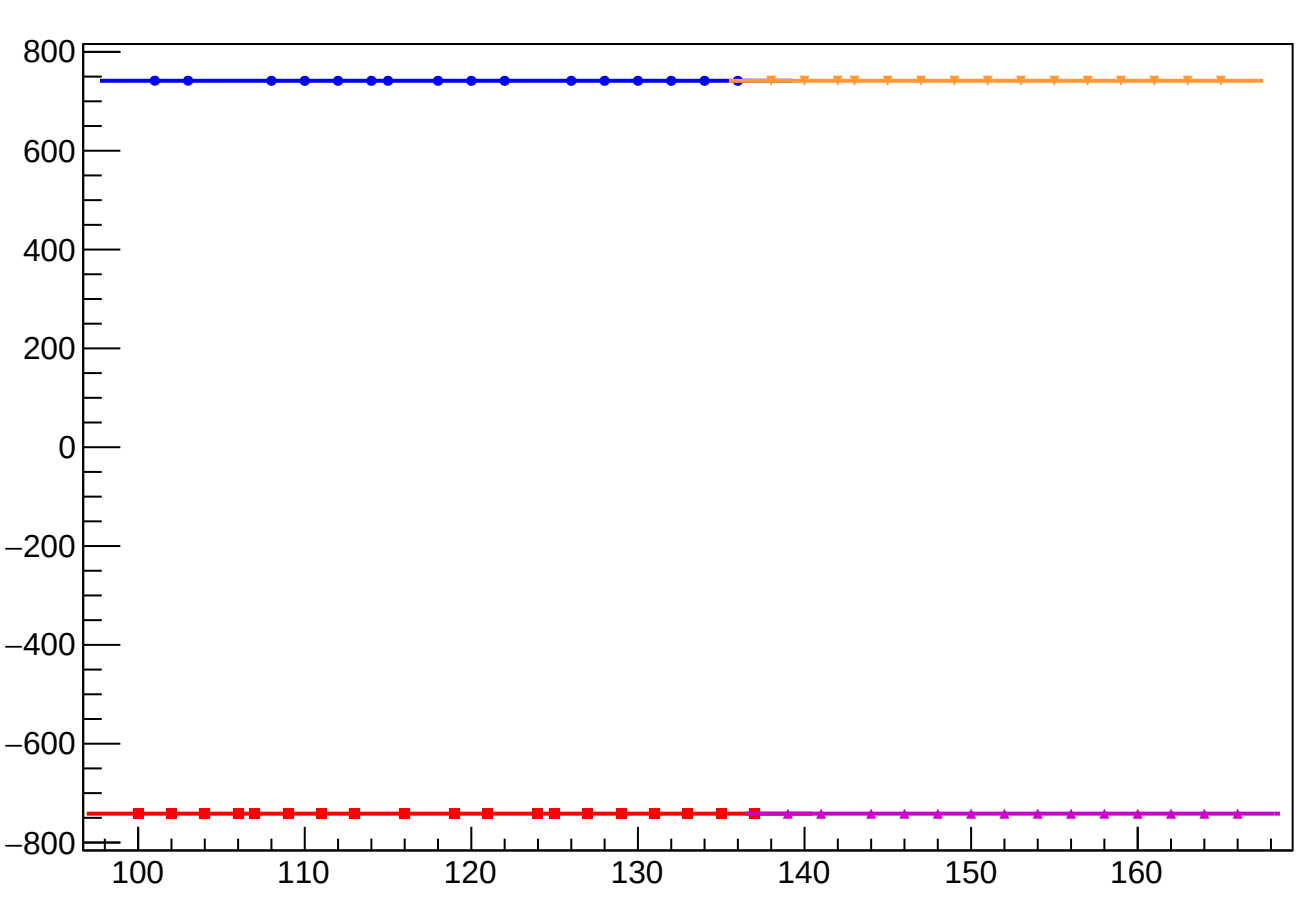
Left: 13.022+/-0.000 χ^2/NDF: 21128156377856940

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

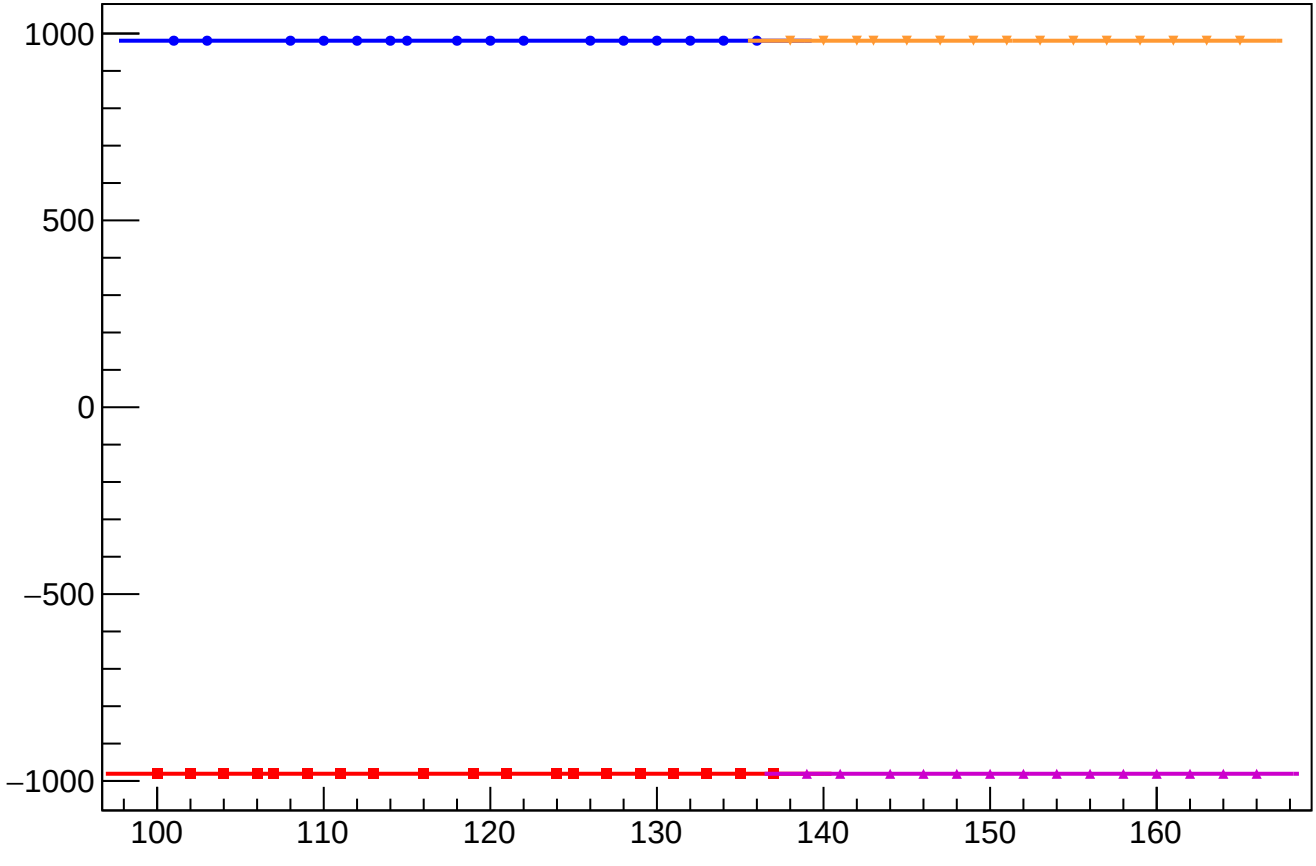
In: -220.344+/-0.000 χ^2/NDF:1590934915149617

Out: 226.771+/-0.000 χ^2/NDF:1618092568181078

All: 6.393+/-0.000 χ^2/NDF: 3405800783126


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.516+/-0.000 χ²/NDF:140510256325326569626132283392.0/14
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.516+/-0.000 χ²/NDF:143116889875194629081060605952.0/13
Left: 10.358+/-0.000 χ²/NDF: 1338064047989772
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -175.330+/-0.000 χ²/NDF:1007640837197506
Out: 174.866+/-0.000 χ²/NDF:1037047029748931
All: 2.258+/-0.000 χ²/NDF: 2165400334517

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.772+/-0.000 χ^2/NDF:6381343981725891903437123092480/14

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.780+/-0.000 χ^2/NDF:126472210328079534050960107110400/13

Left: 13.696+/-0.000 χ^2/NDF: 2340860275346598

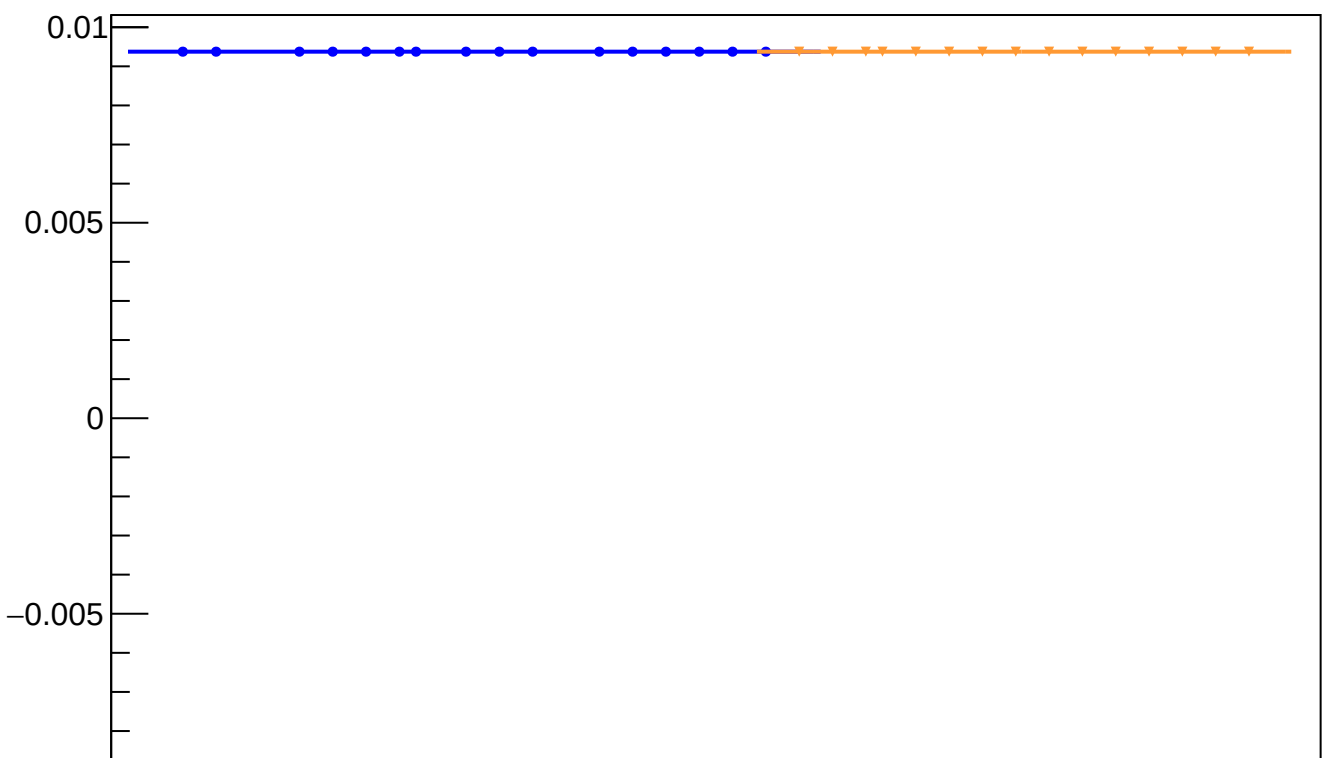
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: -231.922+/-0.000 χ^2/NDF:1762738206187446

Out: 231.337+/-0.000 χ^2/NDF:181399753379520

All: 3.001+/-0.000 χ^2/NDF: 3787975223082

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

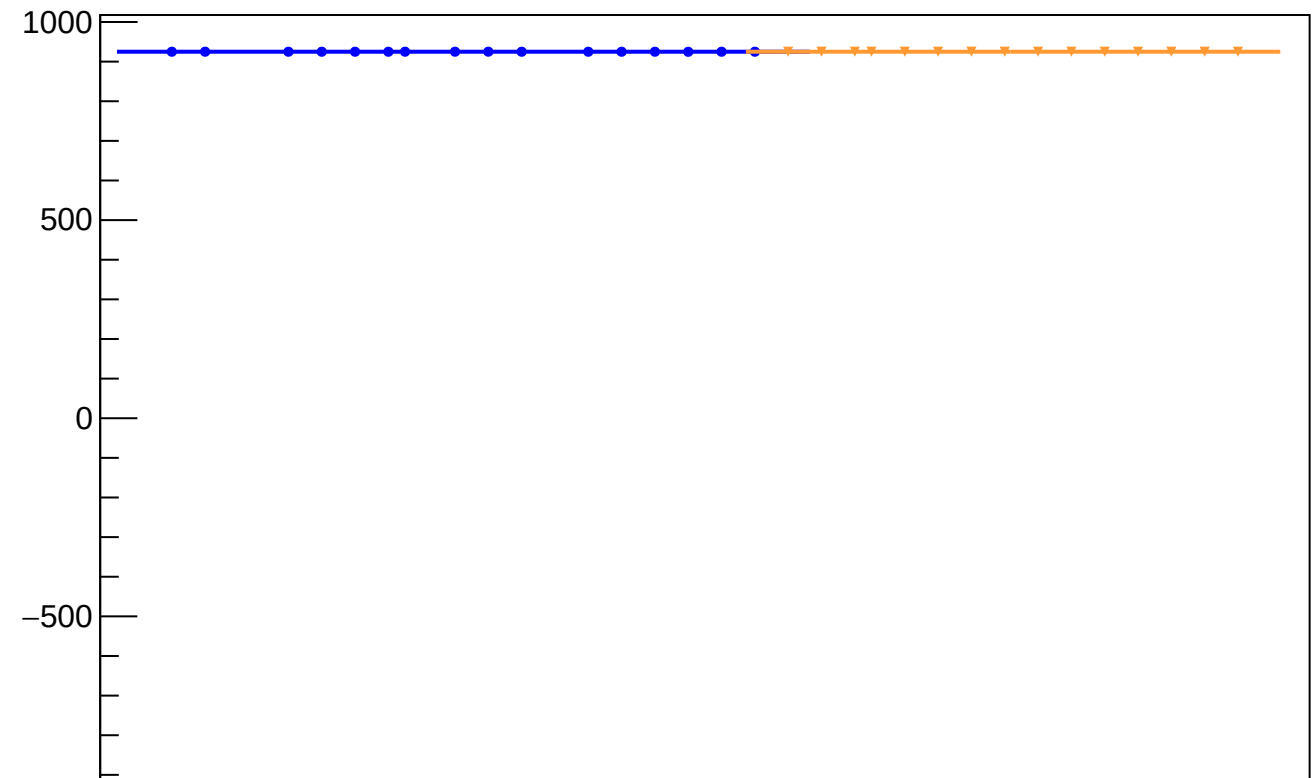
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.987+/-0.000 χ^2/NDF:824099074881441634902360457216.0/14

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.989+/-0.000 χ^2/NDF:662107484946611518905218236416.0/13

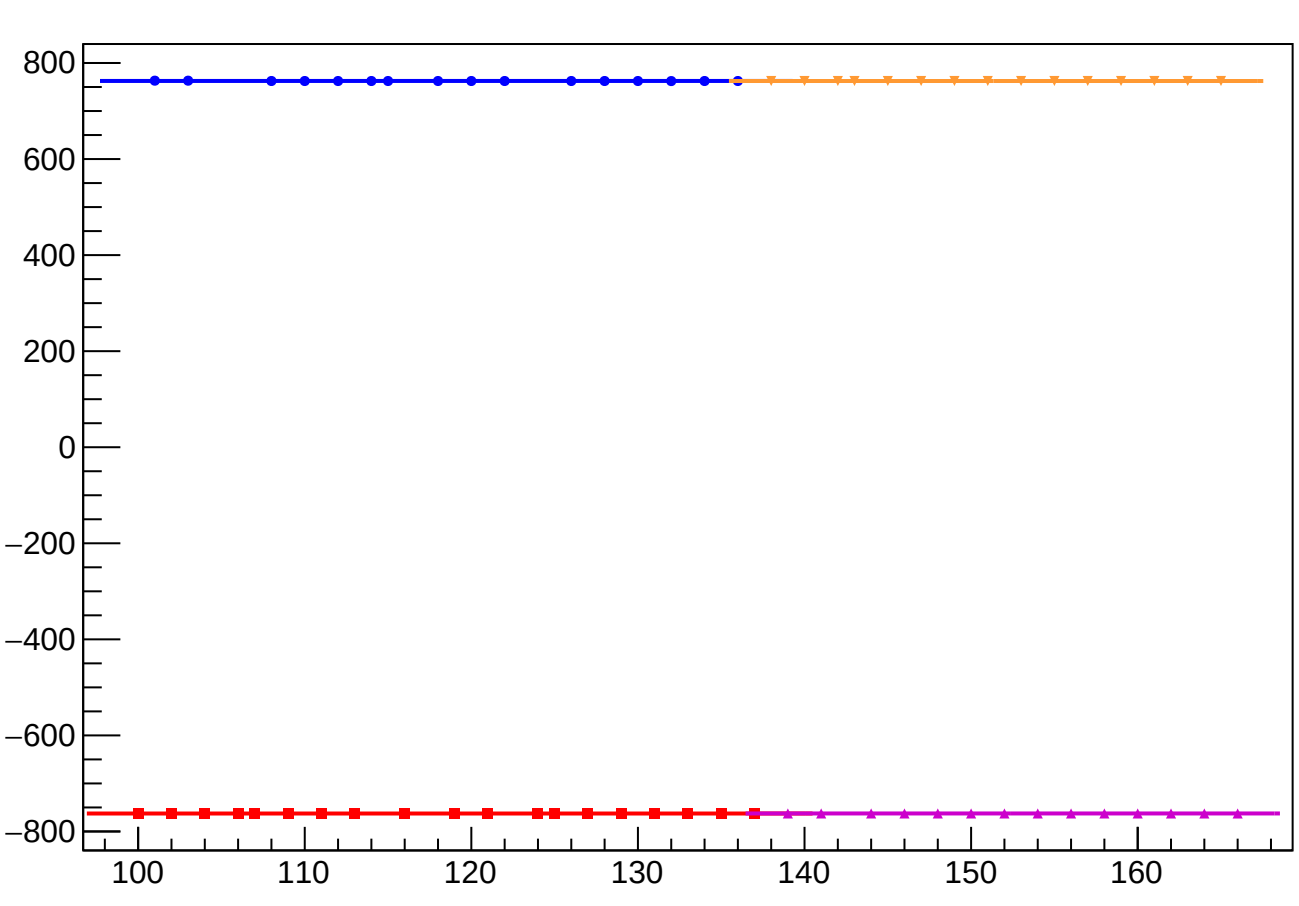
Left: 12.920+/-0.000 χ^2/NDF: 2082130383857382

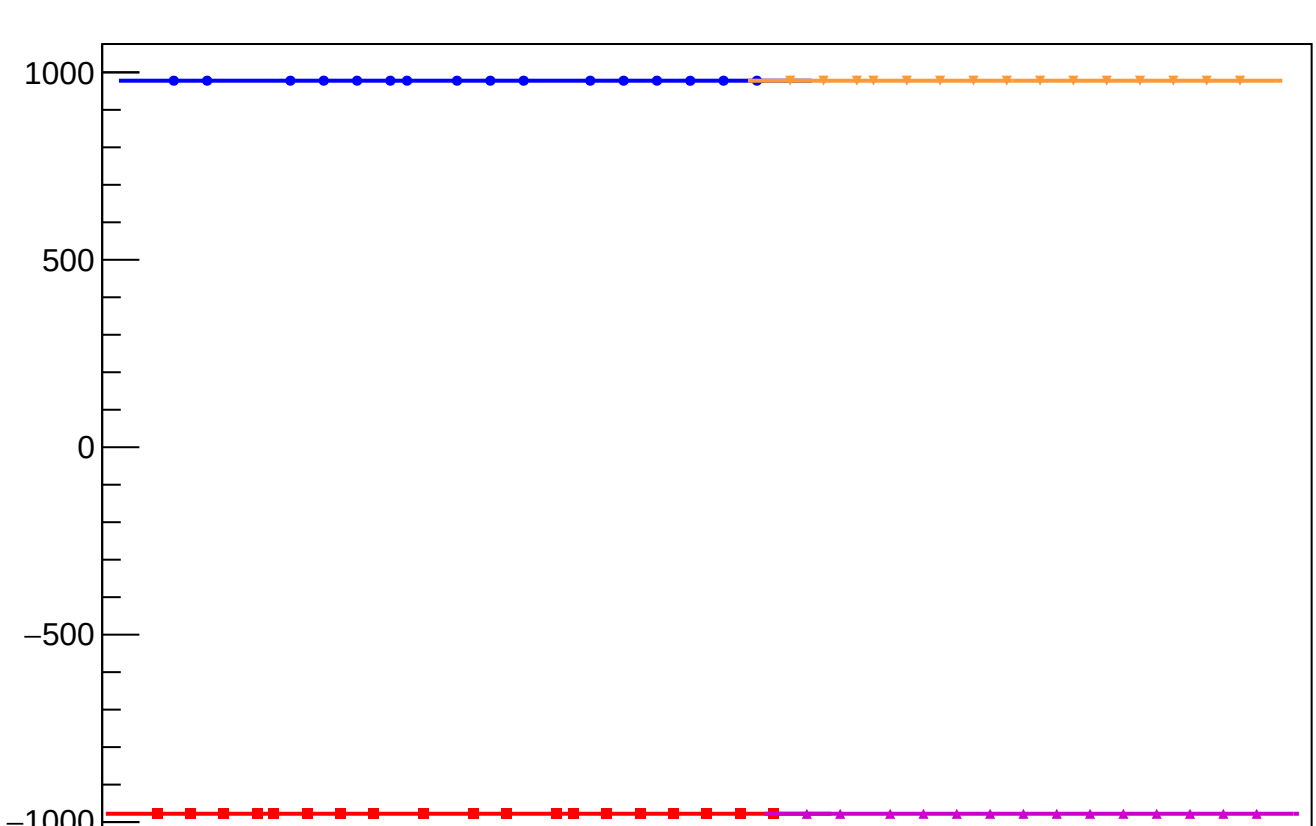
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -218.746+/-0.000 χ^2/NDF:156782010009958

Out: 218.167+/-0.000 χ^2/NDF:161356632064943

All: 2.817+/-0.000 χ^2/NDF: 3369282493027


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.506+/-0.000 χ²/NDF:3167919244940470389998480261120/14
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.508+/-0.000 χ²/NDF:29316622778839631759362595225 6.0/13
Left: 10.651+/-0.000 χ²/NDF: 14148932626447857
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -180.276+/-0.000 χ²/NDF:1065568055433008
Out: 179.797+/-0.000 χ²/NDF:1096660514470763
All: 2.321+/-0.000 χ²/NDF: 2289845700108



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.743+/-0.000 χ^2/NDF:10219105980027907322342927237120.0/14

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.740+/-0.000 χ^2/NDF:98774242083476485384190296064O.0/13

Left: 13.660+/-0.000 χ^2/NDF: 232639671320987230

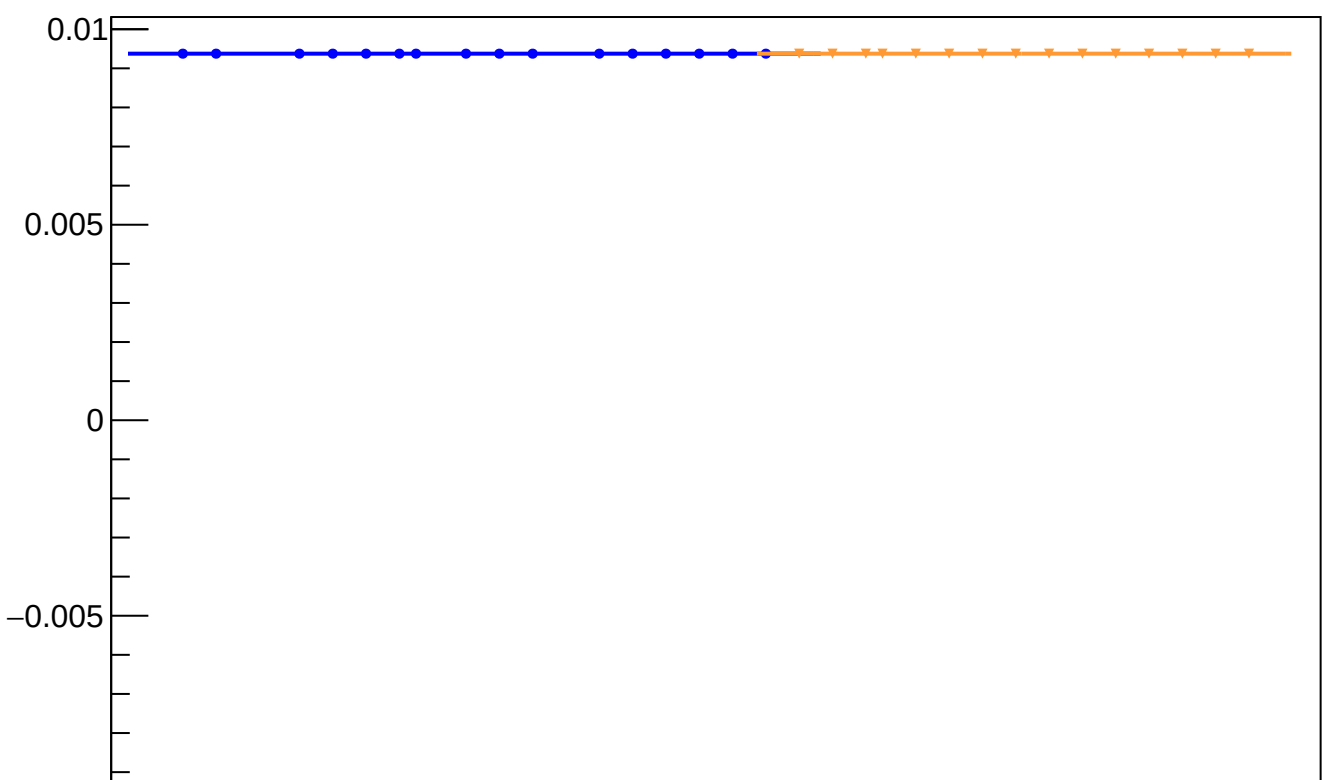
Right: -14.301+/-0.000 χ^2/NDF: 1437503779831150

In: -231.208+/-0.000 χ^2/NDF:1751800115881115

Out: 230.603+/-0.000 χ^2/NDF:1802905775550157

All: 2.981+/-0.000 χ^2/NDF: 3764627258612

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

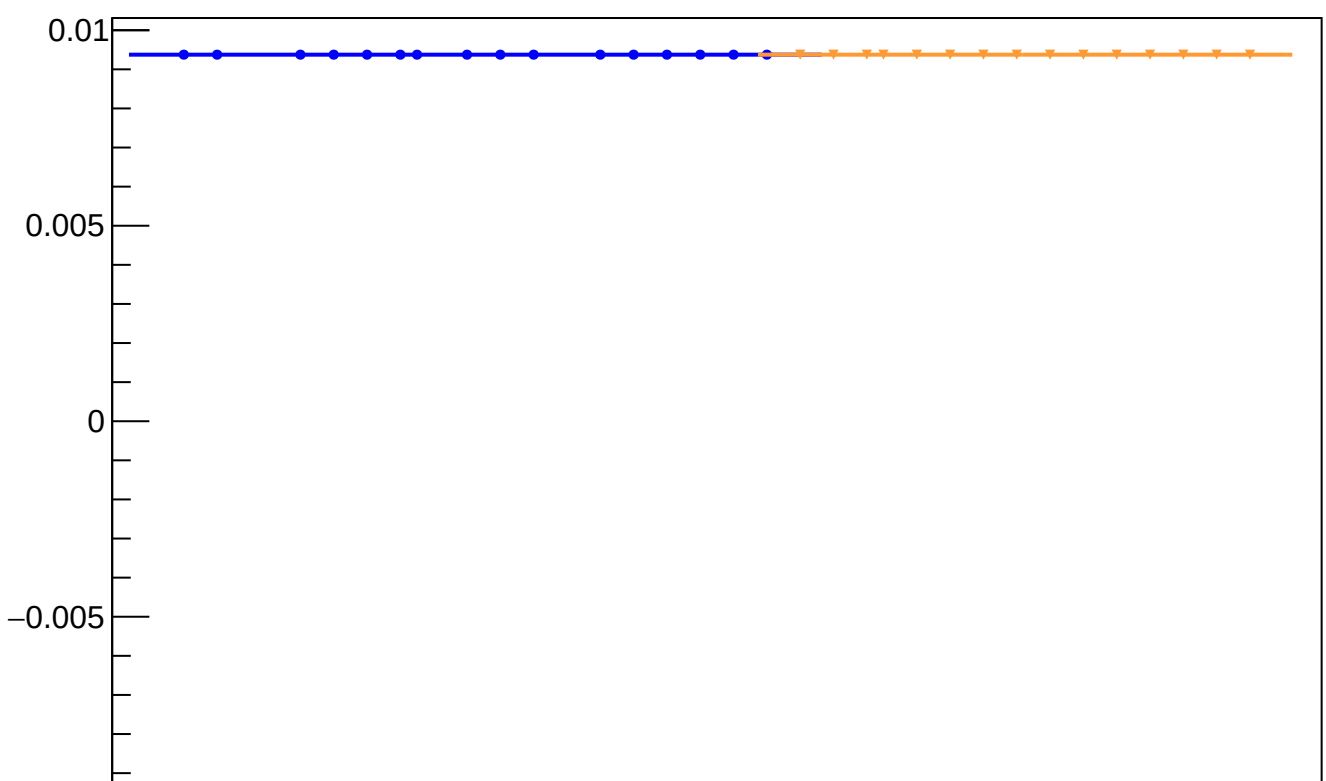
Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

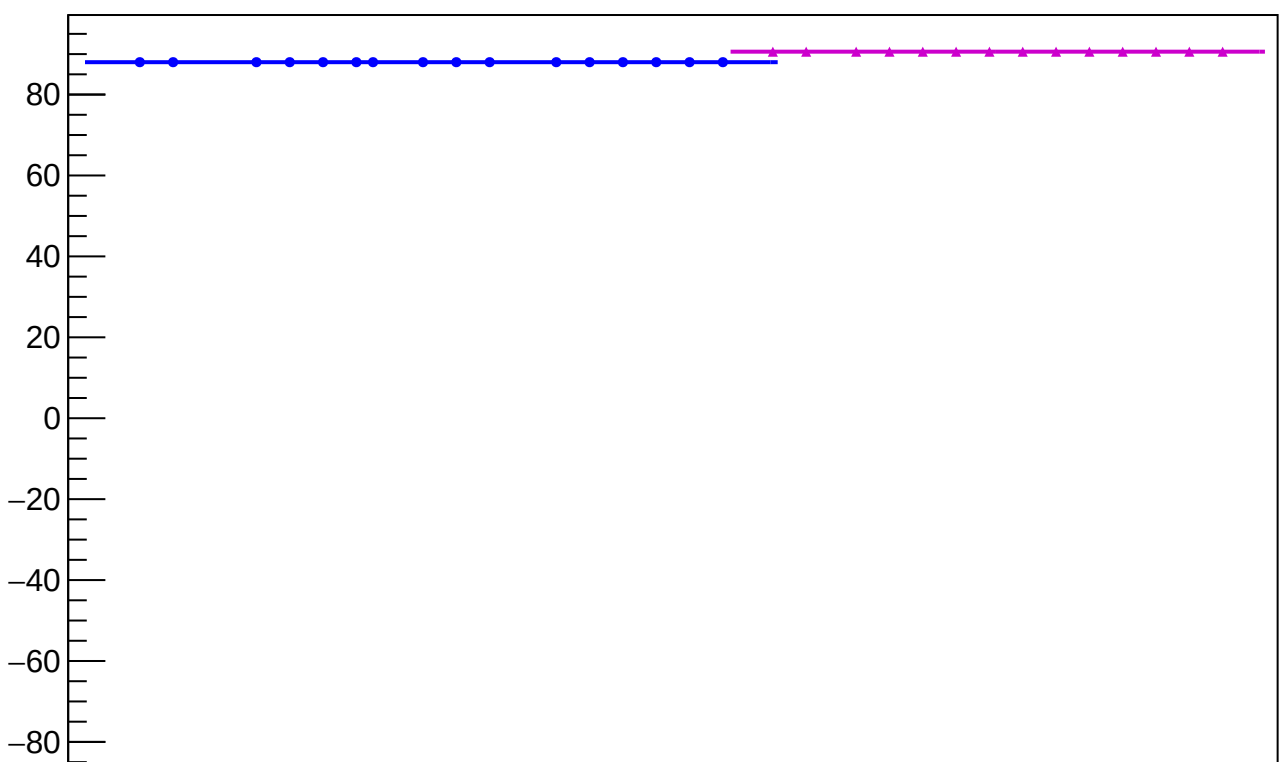
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4329773.5/14

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:4602201.9/13

Left: -1.266+/-0.000 χ^2/NDF: 19974939729756854

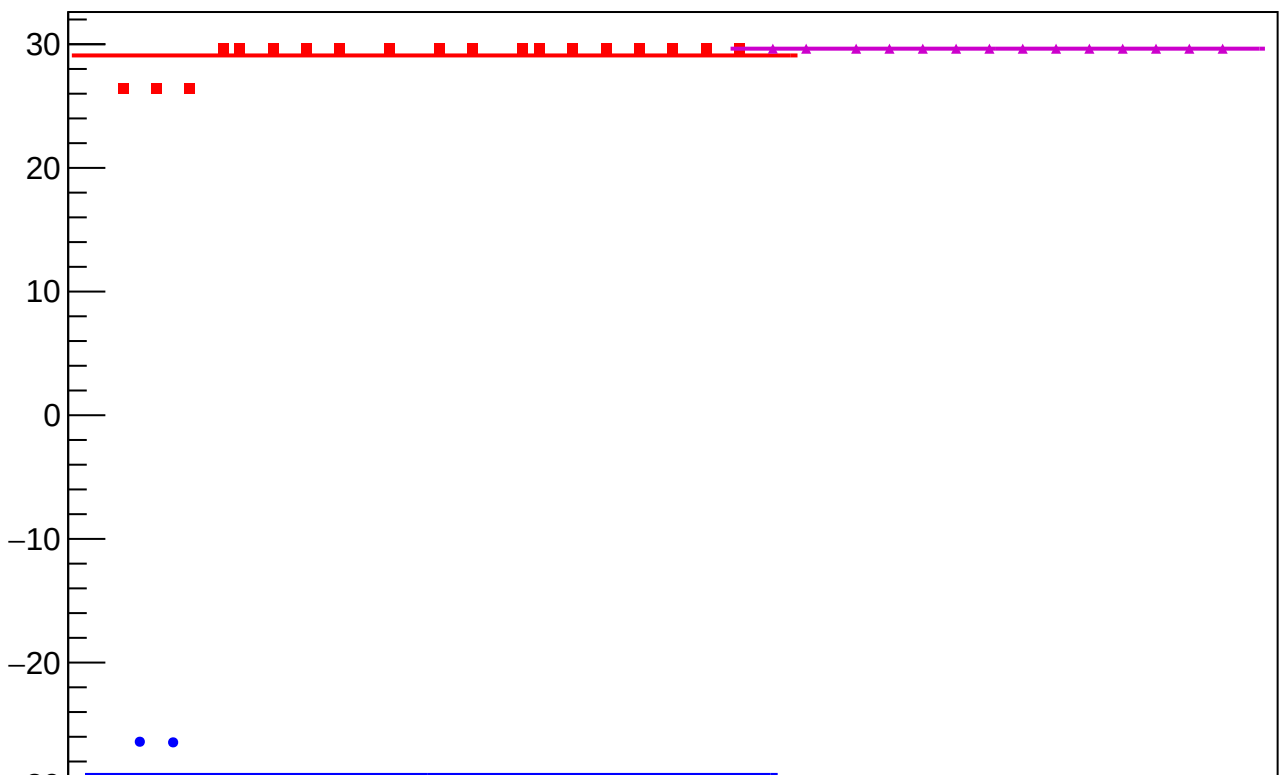
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.607+/-0.000 χ^2/NDF:309350411304832329

Out: -89.607+/-0.000 χ^2/NDF:3177197801222762

All: -1.274+/-0.000 χ^2/NDF: 3161996805279

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:210152.5/14

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:109014.3/13

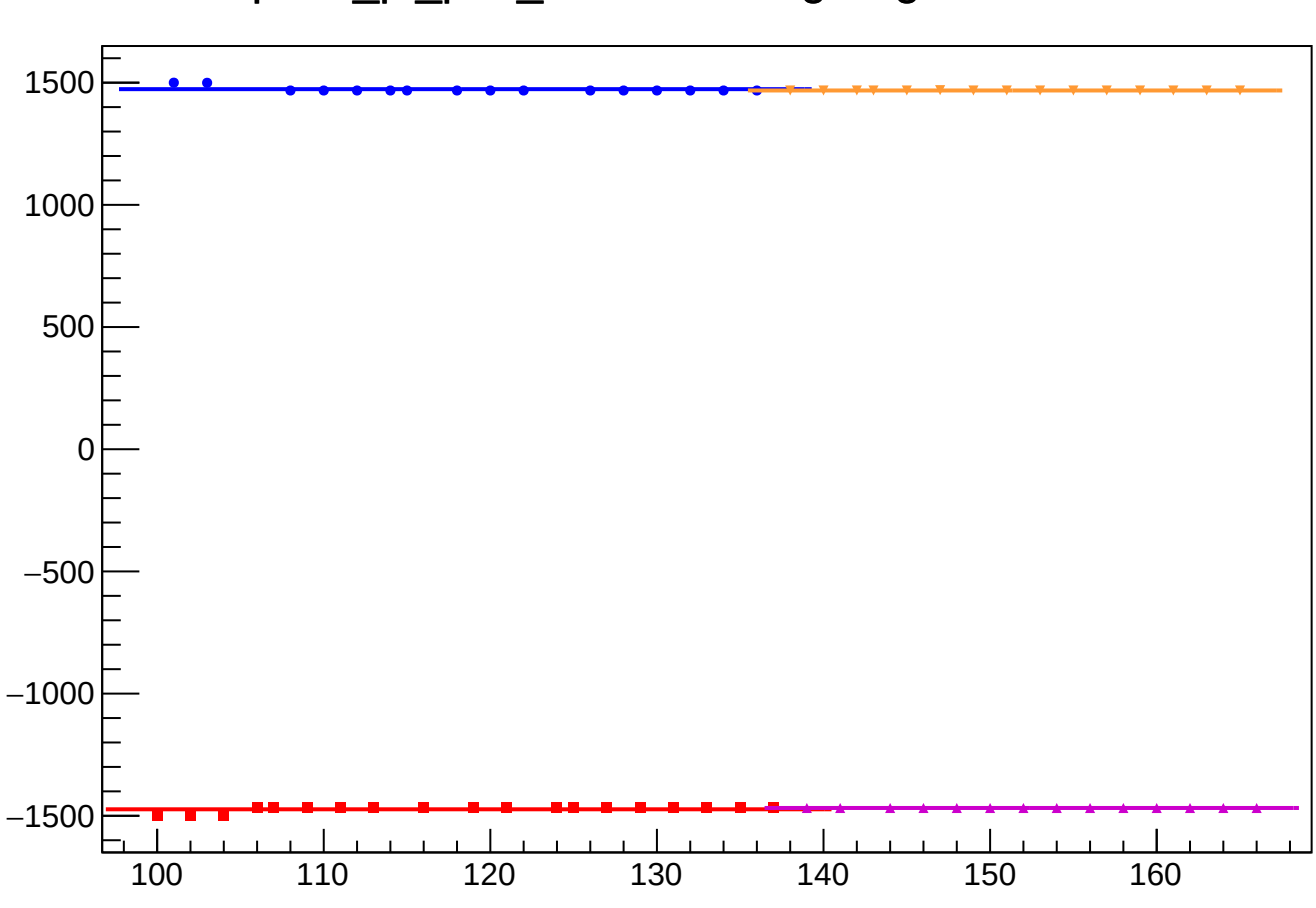
Left: -0.414+/-0.000 χ^2/NDF: 213802523255066 63

Right: 0.429+/-0.000 χ^2/NDF: 127460075225783 58

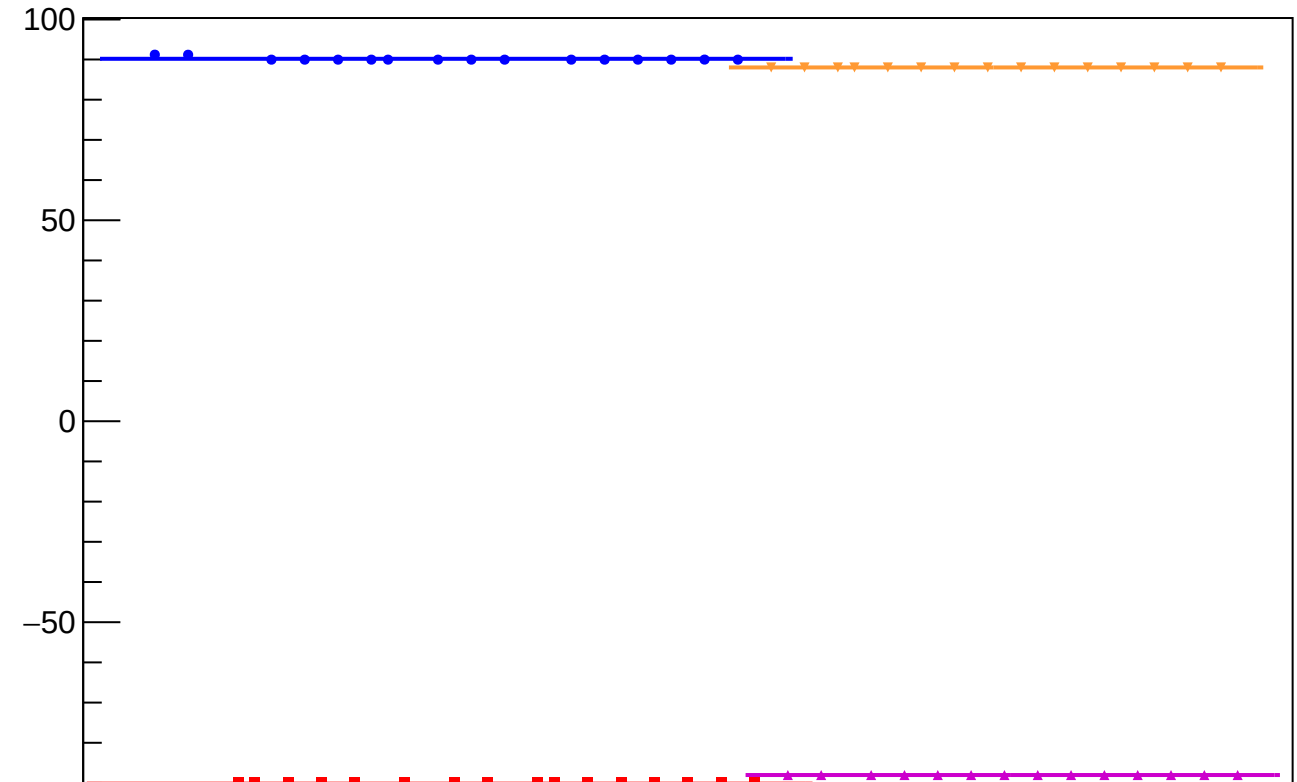
In: 7.221+/-0.000 χ^2/NDF:158101866423527857

Out: -7.200+/-0.000 χ^2/NDF:16275545345573618

All: -0.092+/-0.000 χ^2/NDF: 341328708477 3


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.083+/-0.000 χ²/NDF:13619007563460736108480860415590 4.0/14
Right Out: -1473.393+/-0.000 χ²/NDF: 10990949973340107876106784330062233 6.0/18
Left In: -1467.990+/-0.000 χ²/NDF:11895466663732971779484601548 8.0/13
Left: 20.553+/-0.000 χ²/NDF: 524456707329499
Right: -21.516+/-0.000 χ²/NDF: 326469738591460
In: -345.054+/-0.000 χ²/NDF:396379183211123
Out: 344.224+/-0.000 χ²/NDF:407947280041152
All: 4.486+/-0.000 χ²/NDF: 851090963746

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:5218346.4/14

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:4323513.1/13

Left: 1.230+/-0.000 χ^2/NDF: 188540862772383958

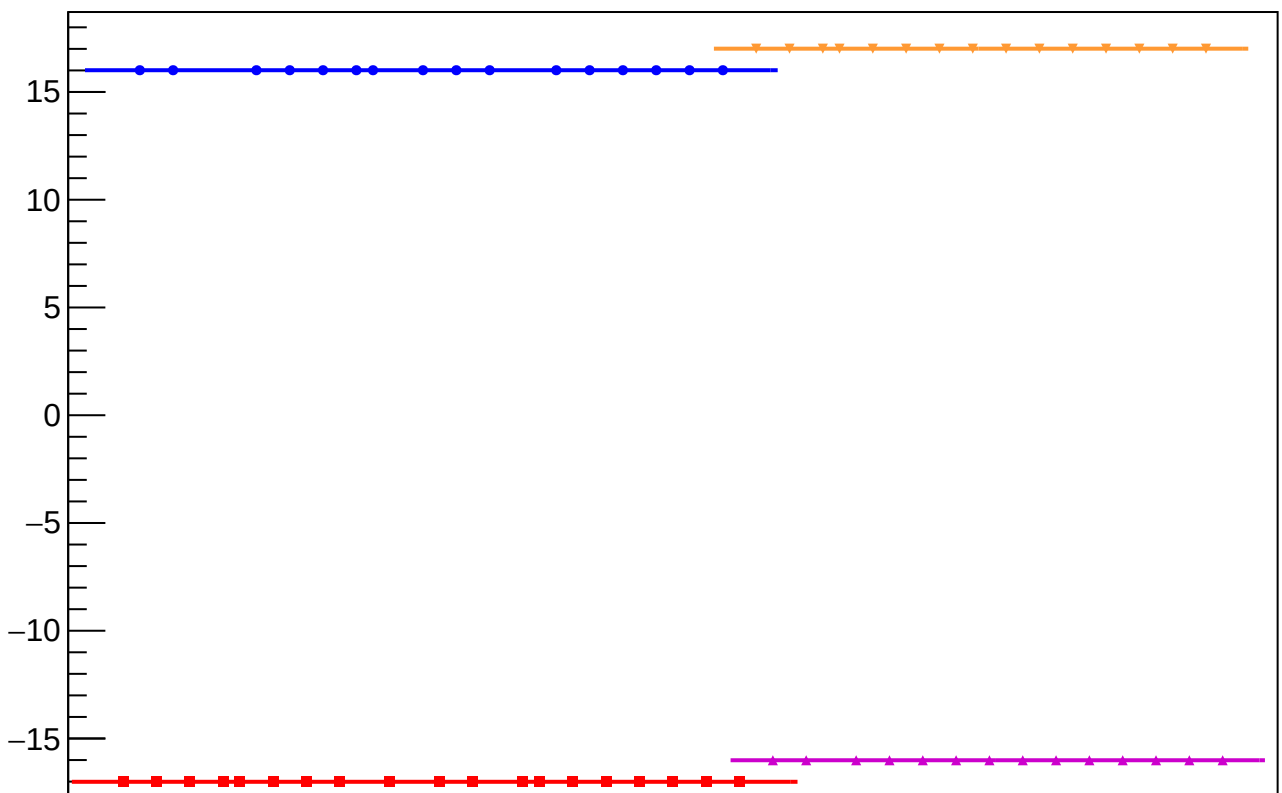
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -19.993+/-0.000 χ^2/NDF:14546624163891056

Out: 19.939+/-0.000 χ^2/NDF:14970329001671681

All: 0.257+/-0.000 χ^2/NDF: 3108651965348

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:1903832846848754452529152O.0/14

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:160258.7/13

Left: 0.529+/-0.000 χ^2/NDF: 609980721930554087

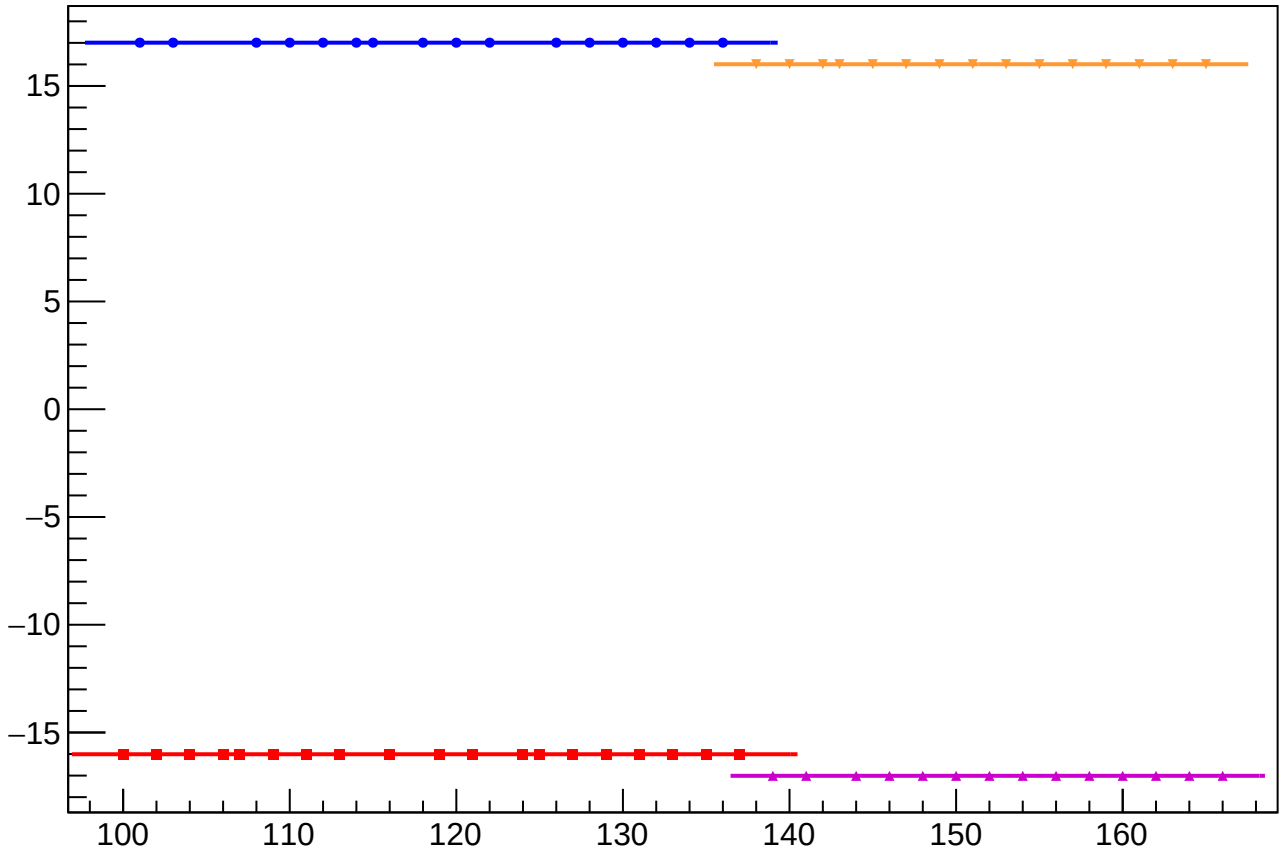
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -3.652+/-0.000 χ^2/NDF:441943074476146647

Out: 4.013+/-0.000 χ^2/NDF:49560106194508952

All: 0.175+/-0.000 χ^2/NDF: 99091517799521

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:63740.0/14

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:35845.8/13

Left: -0.184+/-0.000 χ^2/NDF: 65499304204052781

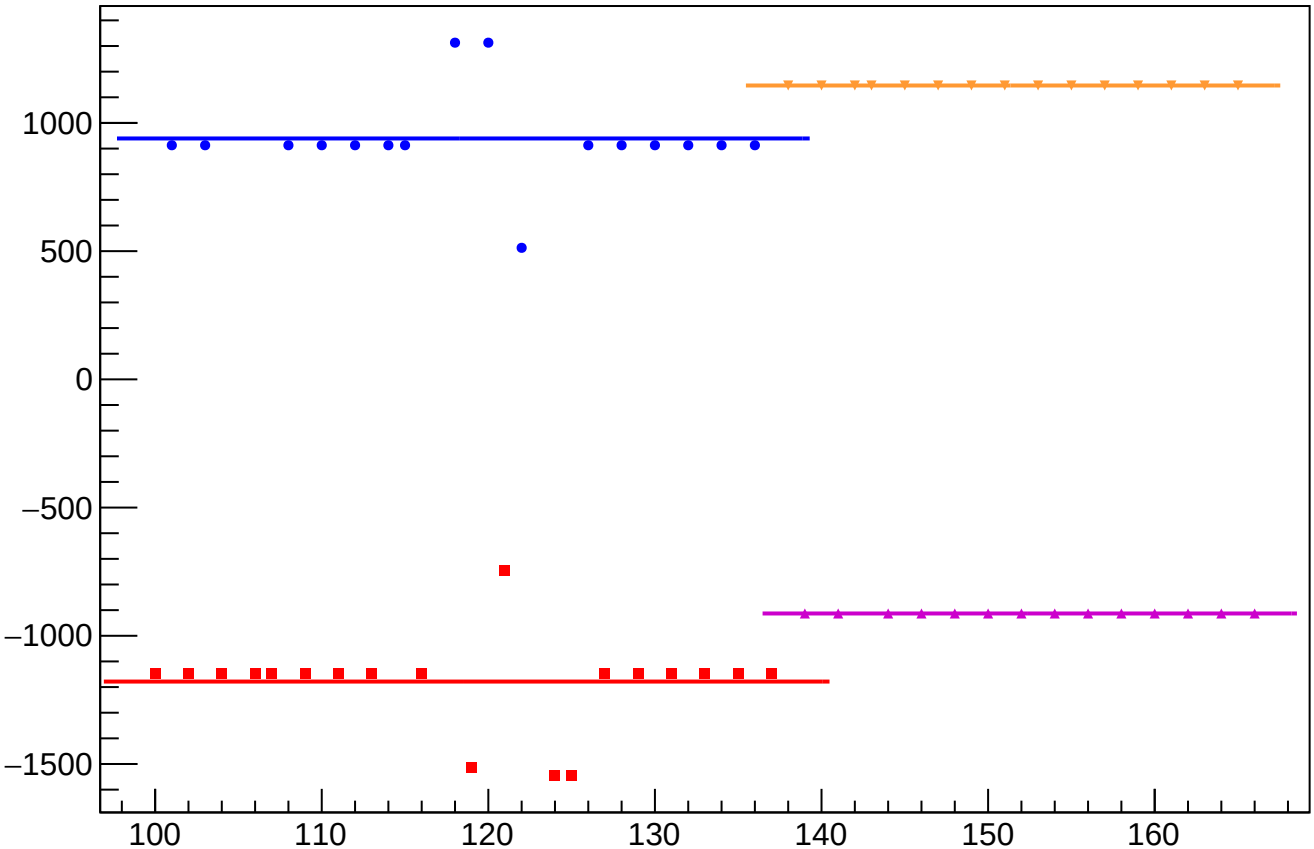
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: -4.257+/-0.000 χ^2/NDF:51147950218503472

Out: 3.760+/-0.000 χ^2/NDF:480446399634084945

All: -0.147+/-0.000 χ^2/NDF: 1054071320749

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 130.889+/-0.000 χ^2/NDF: 257923474223594

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:490471650663086008794349568O.0/14

In: -205.803+/-0.000 χ^2/NDF:1593118775012568

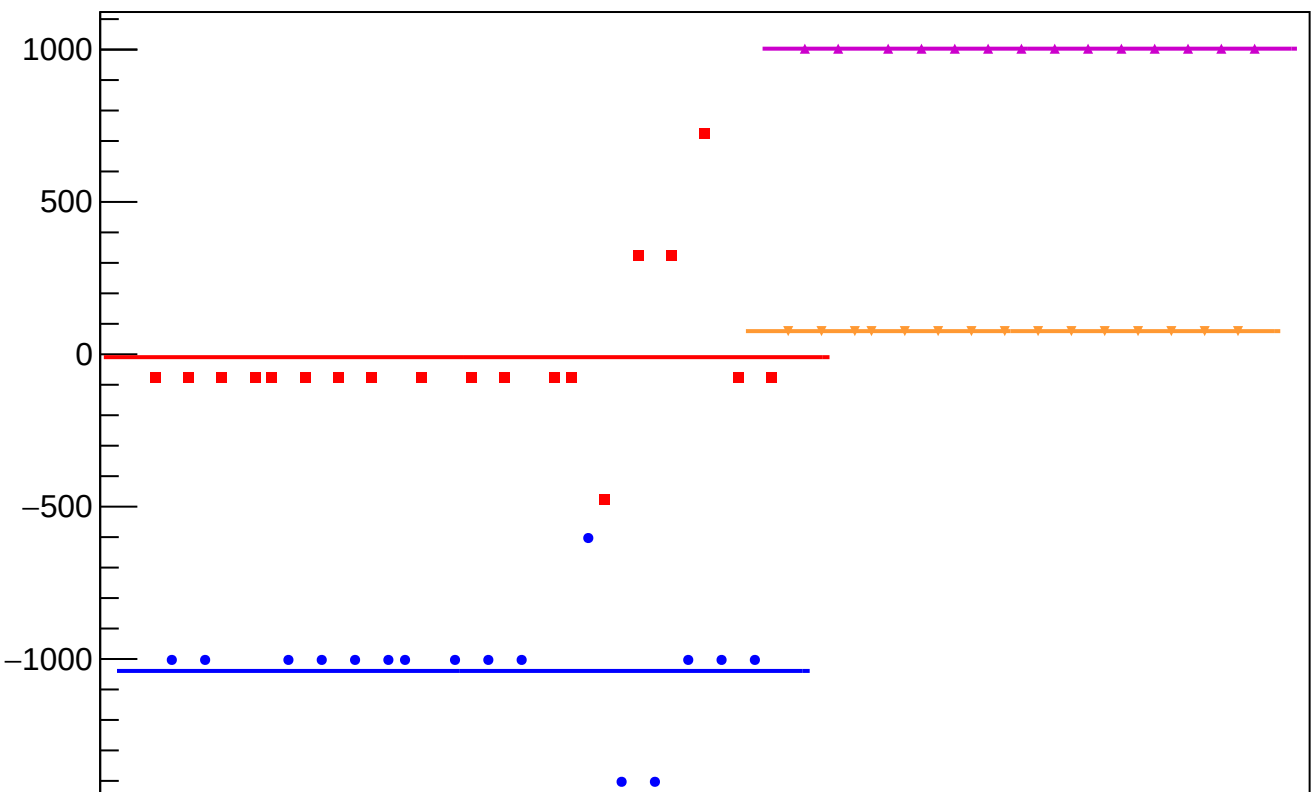
Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415680.0/18

Out: 257.873+/-0.000 χ^2/NDF:256973175866576

Left In: -912.994+/-0.000 χ^2/NDF:176088261113112753166352384000.0/13

All: 29.332+/-0.000 χ^2/NDF: 4374470746461

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:881716376528794107563212800 0.0/14

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

Left In: 1002.990+/-0.000 χ^2/NDF:209819730092567142664136294 4.0/13

Left: 533.026+/-0.000 χ^2/NDF: 5227754554868612

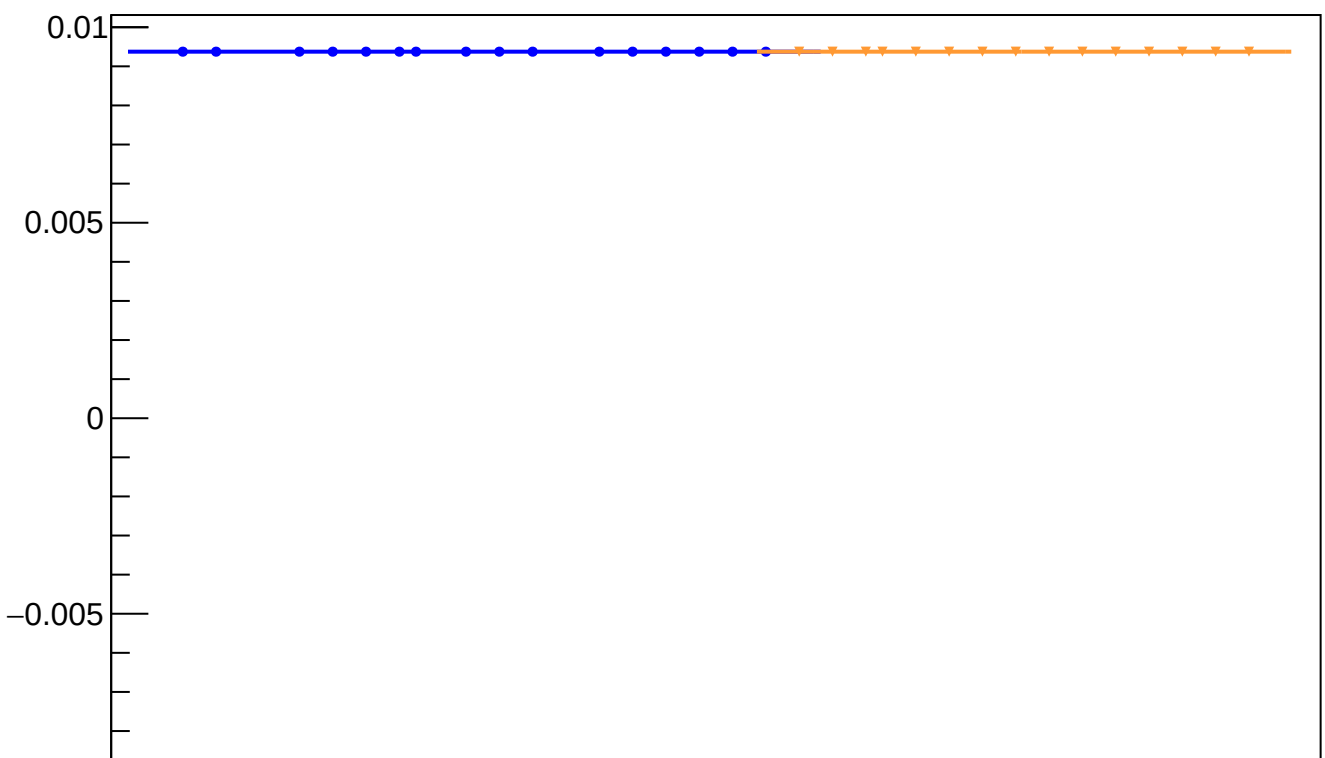
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: 223.376+/-0.000 χ^2/NDF:19333728961970309

Out: 43.366+/-0.000 χ^2/NDF:4949925883093070 4

All: 132.091+/-0.000 χ^2/NDF: 2014766842 54

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

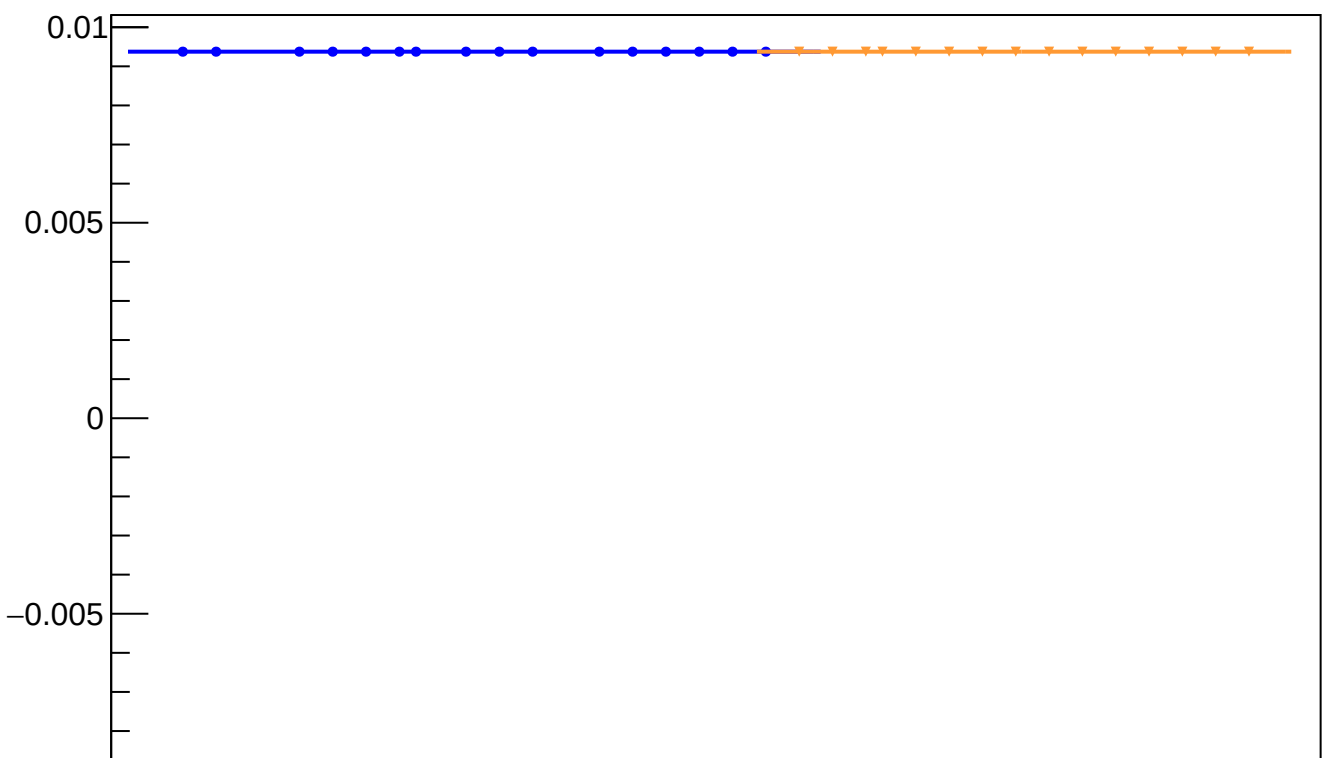
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/13

Left: 0.000+/-0.000 χ^2/NDF: 213884038619555518

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:161055834621328870

Out: 0.002+/-0.000 χ^2/NDF:165754060778667672

All: 0.000+/-0.000 χ^2/NDF: 34611006737239