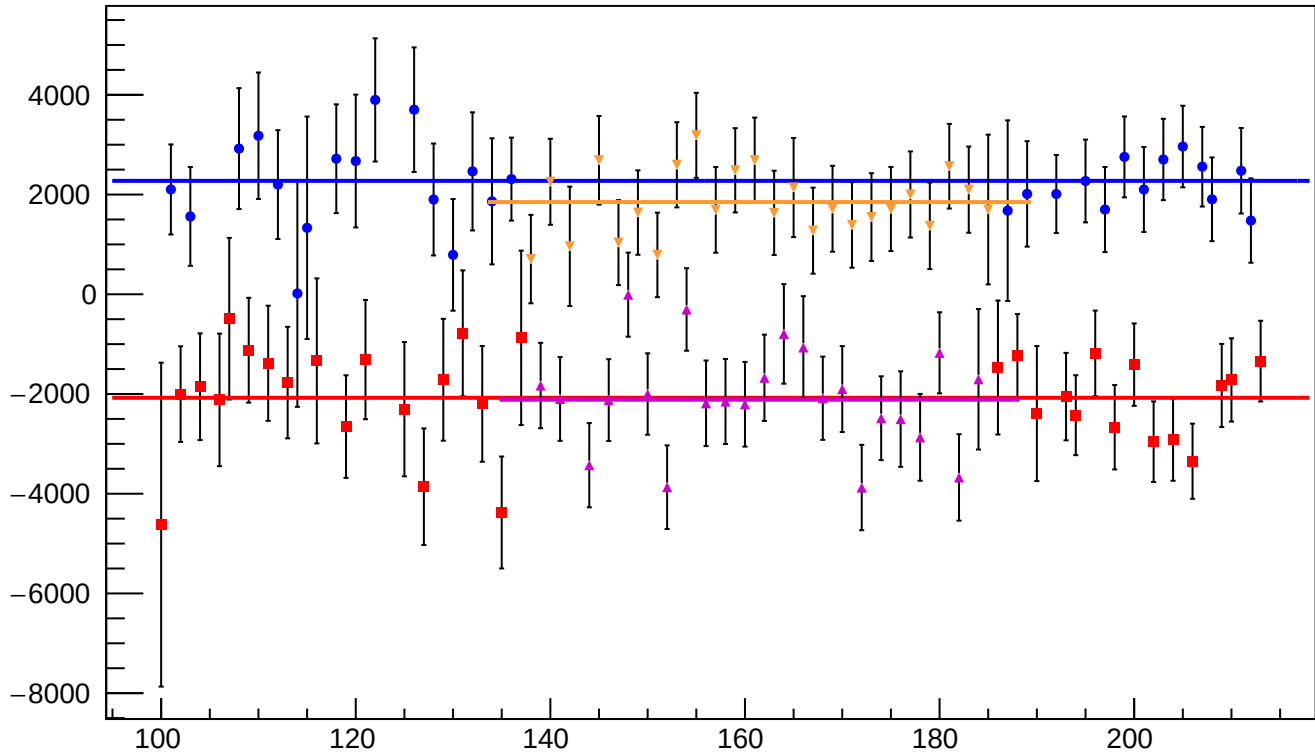


reg_asym_us_avg_mean vs Slug



Right In: 2274.759 $\pm$ 185.249

χ^2/NDF : 11.2/28

Left Out: 1849.592 $\pm$ 180.739

χ^2/NDF : 12.8/23

Right Out: -2075.983 $\pm$ 180.534

χ^2/NDF : 21.8/31

Left In: -2114.442 $\pm$ 182.028

χ^2/NDF : 31.1/22

+ sign 2056.937 $\pm$ 129.367

χ^2/NDF : 26.7/52

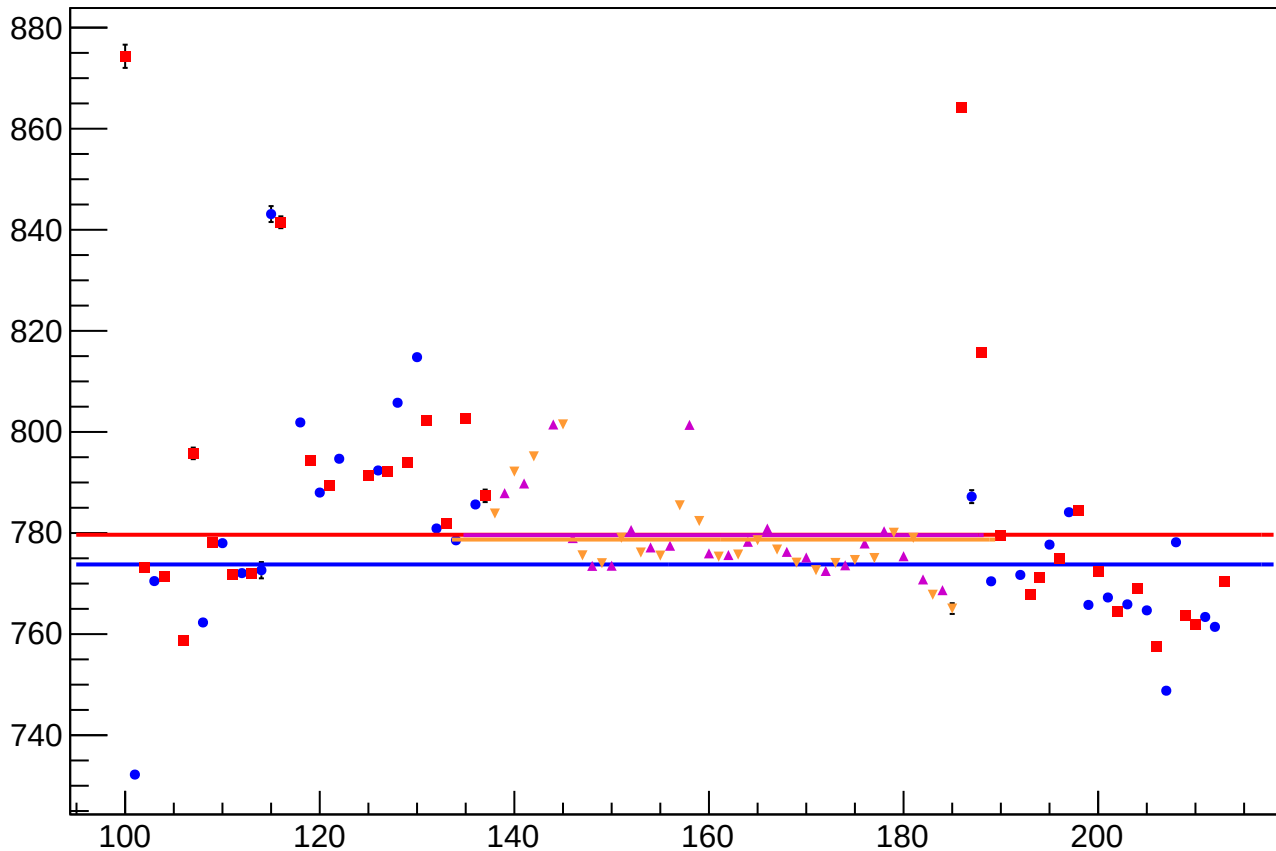
All: -38.166 $\pm$ 91.054

χ^2/NDF : 599.4/107

- sign -2095.054 $\pm$ 128.182

χ^2/NDF : 52.9/54

reg_asym_us_avg_rms vs Slug



Right In: 773.784 ± 0.131 $\chi^2/\text{NDF}: 17746.0/28$

Left Out: 778.708 ± 0.128 $\chi^2/\text{NDF}: 3389.8/23$

Right Out: 779.659 ± 0.128 $\chi^2/\text{NDF}: 25510.4/31$

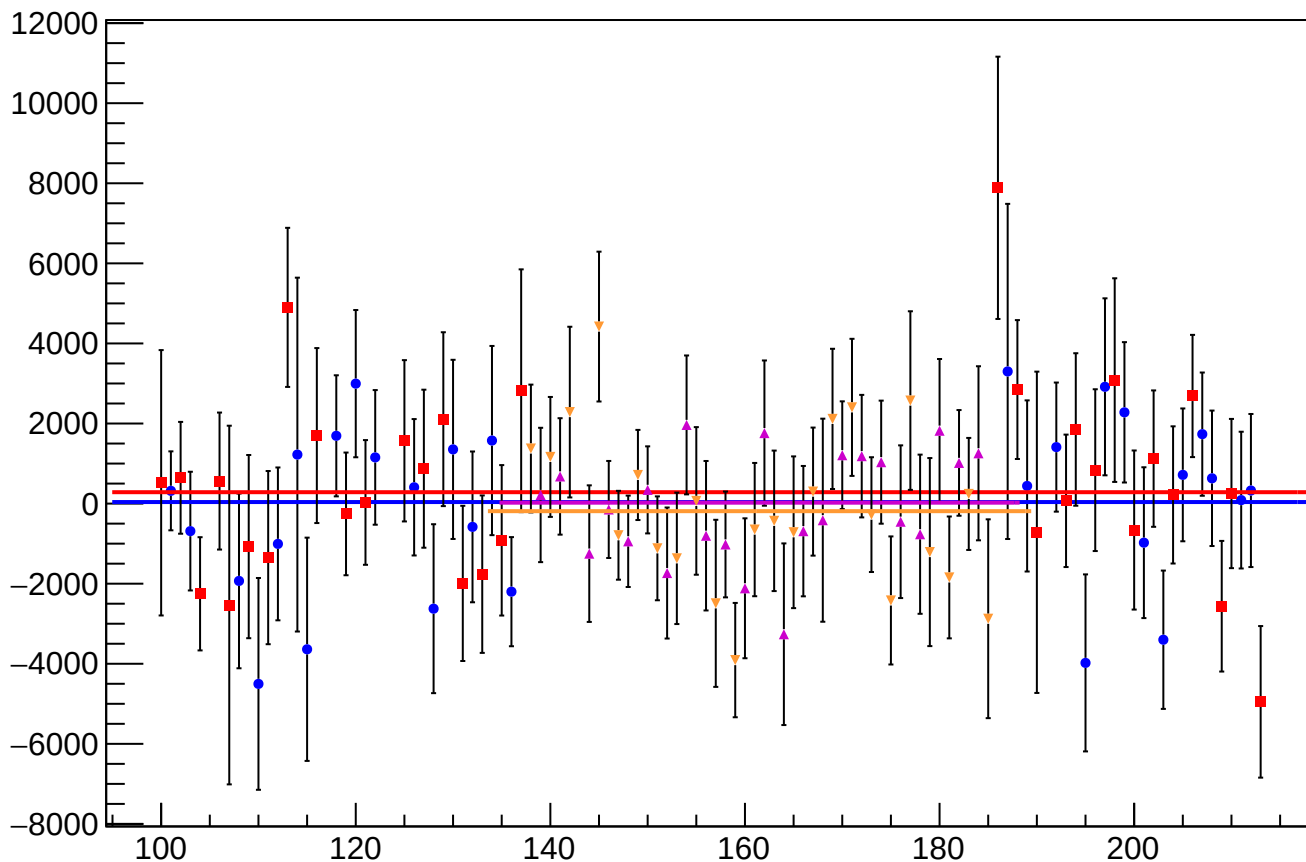
Left In: 779.575 ± 0.129 $\chi^2/\text{NDF}: 4172.9/22$

+ sign 776.307 ± 0.091 $\chi^2/\text{NDF}: 21859.8/52$

All: 777.977 ± 0.064 $\chi^2/\text{NDF}: 52204.3/107$

- sign 779.617 ± 0.091 $\chi^2/\text{NDF}: 29683.6/54$

asym_us_avg_reg_correction_mean vs Slug



Right In: 38.807 ± 334.975 χ^2/NDF : 29.4/28

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

Right Out: 284.866 ± 339.536 χ^2/NDF : 38.6/31

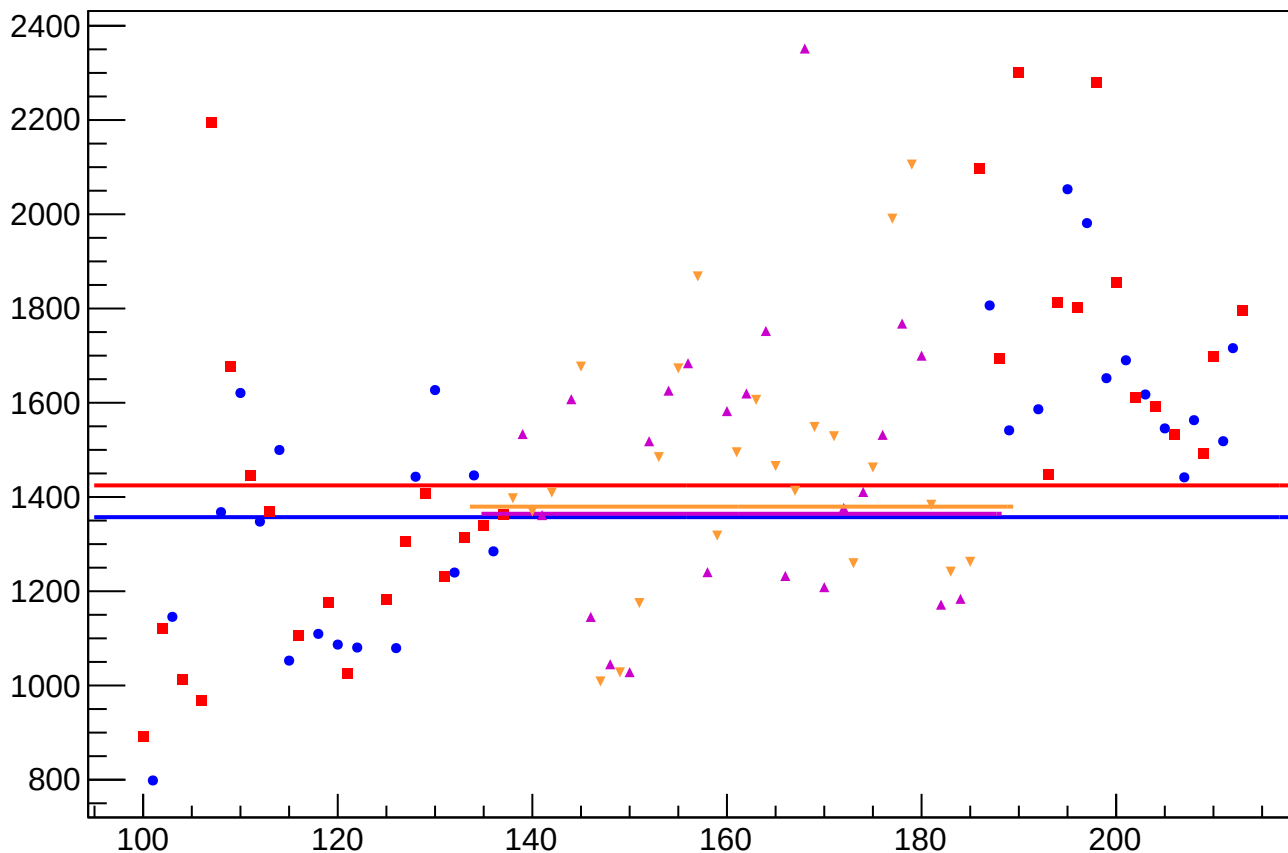
Left In: 23.750 ± 325.809 χ^2/NDF : 13.5/22

+ sign -77.609 ± 234.239 χ^2/NDF : 59.2/52

All: 35.249 ± 165.930 χ^2/NDF : 112.1/107

- sign 148.923 ± 235.085 χ^2/NDF : 52.4/54

asym_us_avg_reg_correction_rms vs Slug



Right In: 1357.228 $\pm$ 0.237 χ^2 /NDF: 1732168.9/28

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF:1158468.5/23

Right Out: 1424.610 $\pm$ 0.240 χ^2 /NDF: 1716266.4/31

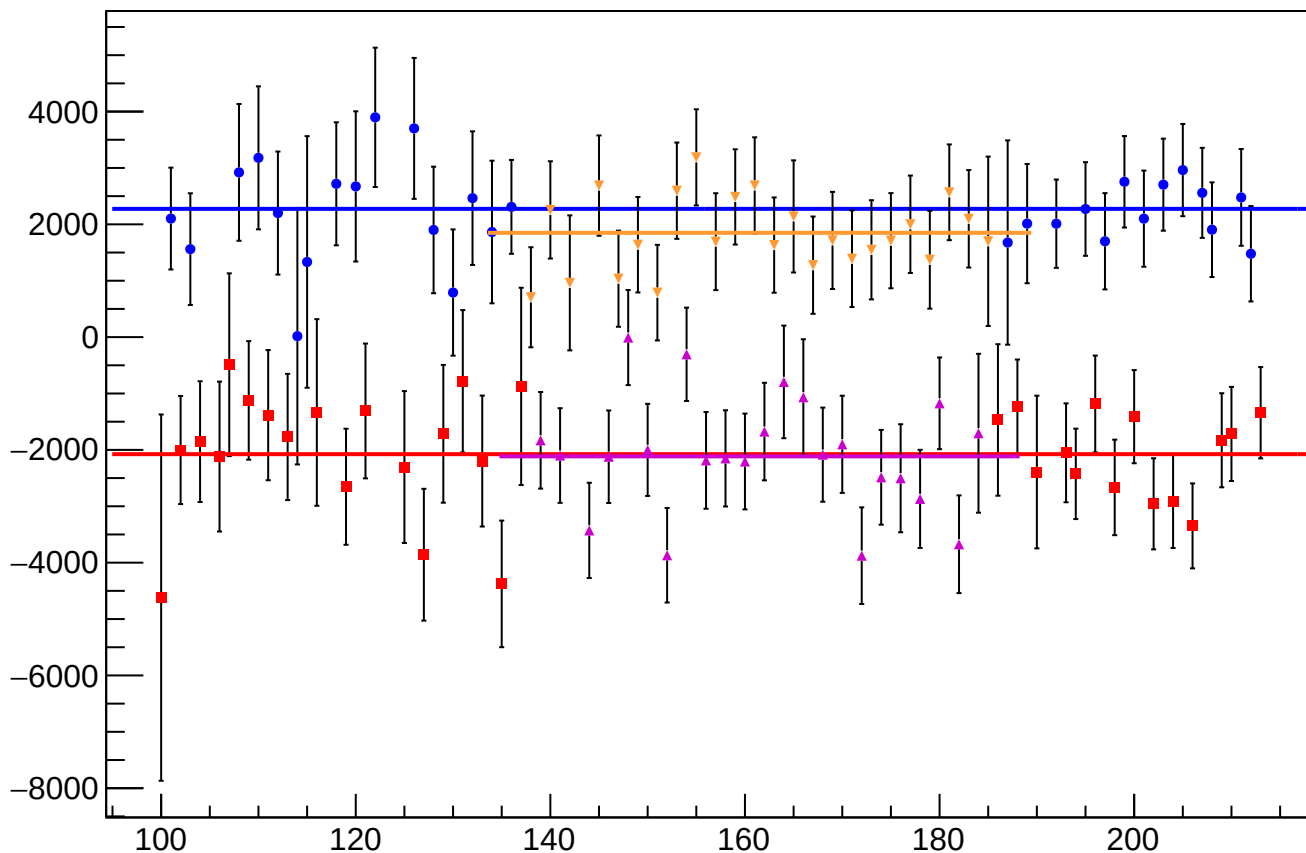
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF:1312299.5/22

+ sign 1368.628 $\pm$ 0.166 χ^2 /NDF: 2895169.9/52

All: 1380.904 $\pm$ 0.117 χ^2 /NDF: 5967493.1/10

- sign 1393.270 $\pm$ 0.166 χ^2 /NDF: 3061296.3/54

cor_asym_us_avg_mean vs Slug



Right In: 2274.759 $\pm$ 185.249 χ^2 /NDF: 11.2/28

Left Out: 1849.592 $\pm$ 180.739 χ^2 /NDF:12.8/23

Right Out: -2075.983 $\pm$ 180.534 χ^2 /NDF: 21.8/31

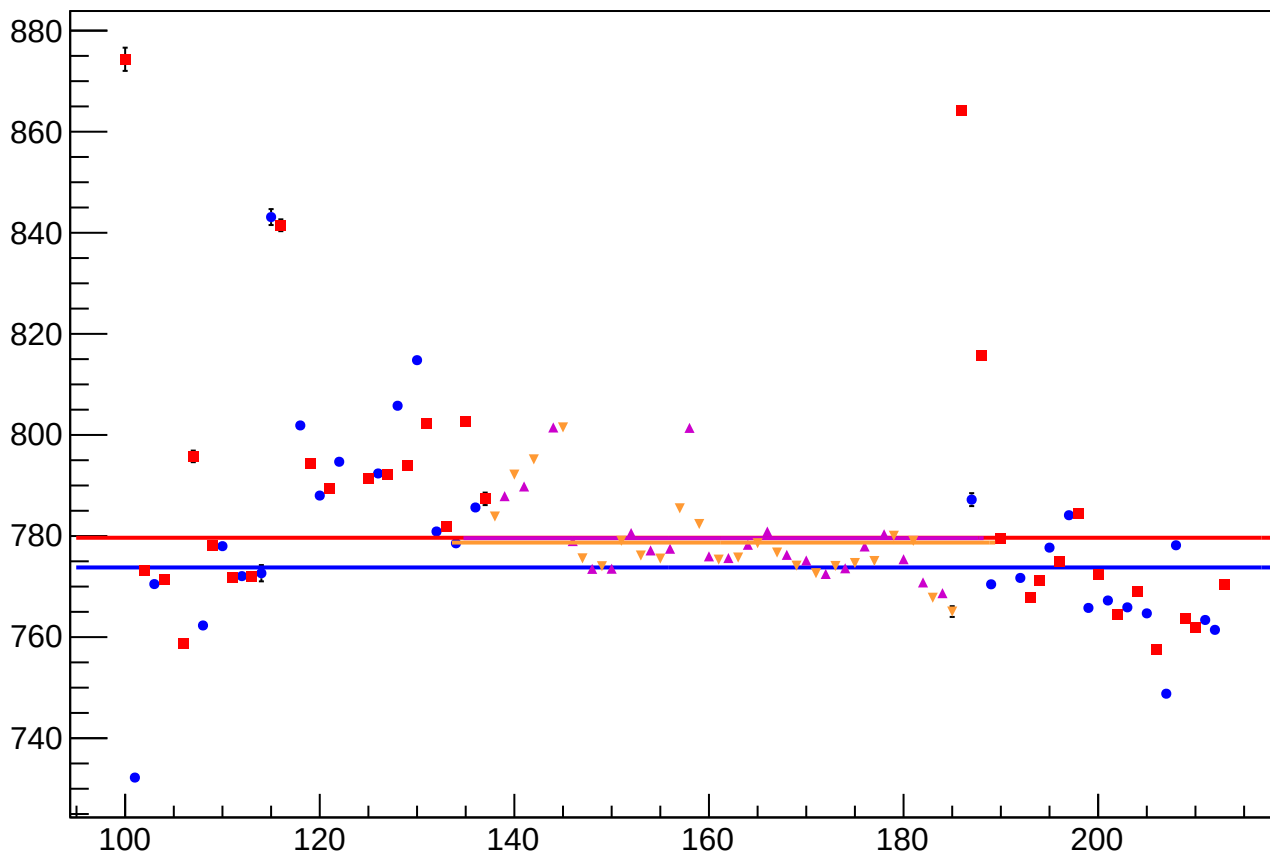
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 2056.937 $\pm$ 129.367 χ^2 /NDF: 26.7/52

All: -38.166 $\pm$ 91.054 χ^2 /NDF: 599.4/107

- sign -2095.054 $\pm$ 128.182 χ^2 /NDF: 52.9/54

cor_asym_us_avg_rms vs Slug



Right In: 773.784 ± 0.131 $\chi^2/\text{NDF}: 17746.0/28$

Left Out: 778.708 ± 0.128 $\chi^2/\text{NDF}: 3389.8/23$

Right Out: 779.659 ± 0.128 $\chi^2/\text{NDF}: 25510.4/31$

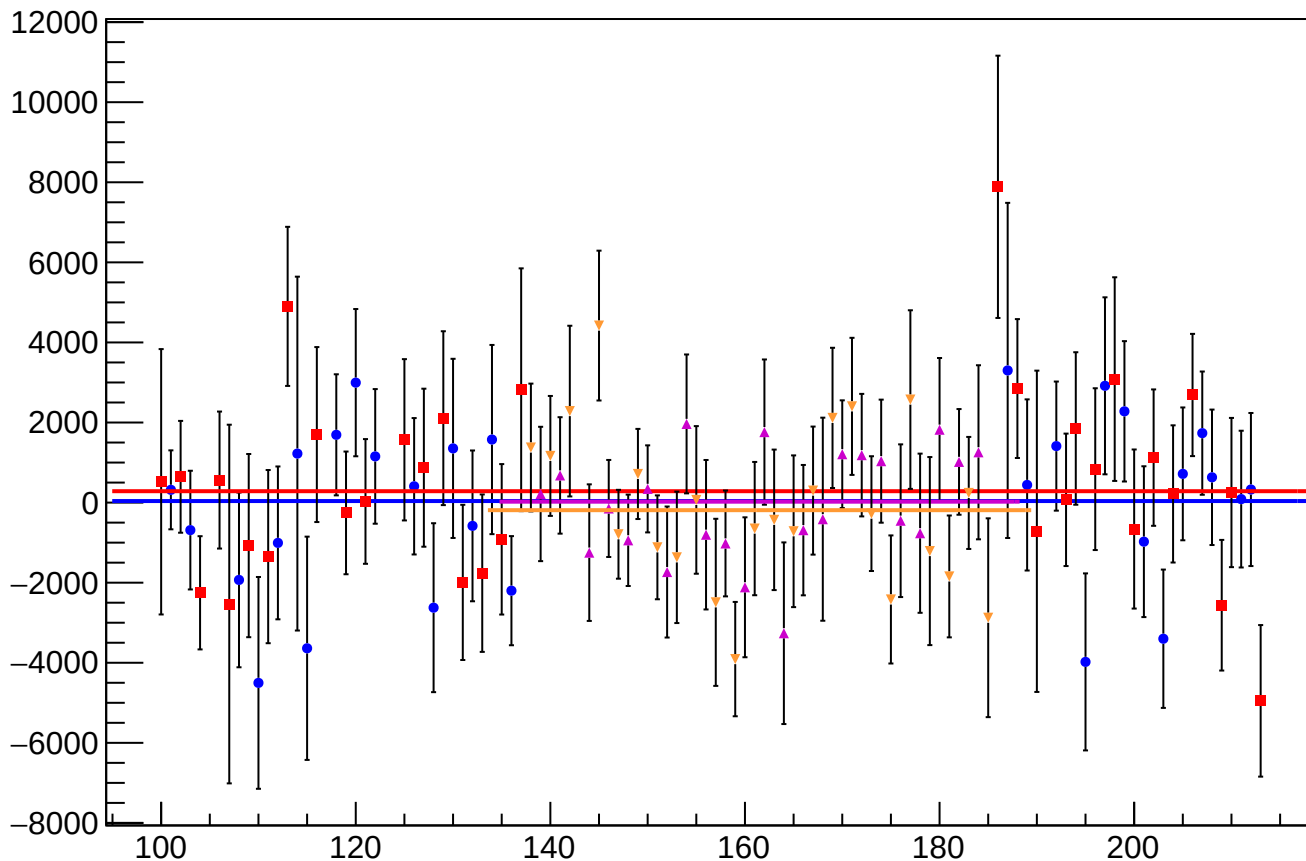
Left In: 779.575 ± 0.129 $\chi^2/\text{NDF}: 4172.9/22$

+ sign 776.307 ± 0.091 $\chi^2/\text{NDF}: 21859.8/52$

All: 777.977 ± 0.064 $\chi^2/\text{NDF}: 52204.3/107$

- sign 779.617 ± 0.091 $\chi^2/\text{NDF}: 29683.6/54$

asym_us_avg_cor_correction_mean vs Slug



Right In: 38.807 $\pm$ 334.975 χ^2 /NDF: 29.4/28

Left Out: -189.006 $\pm$ 327.675 χ^2 /NDF:29.6/23

Right Out: 284.866 $\pm$ 339.536 χ^2 /NDF: 38.6/31

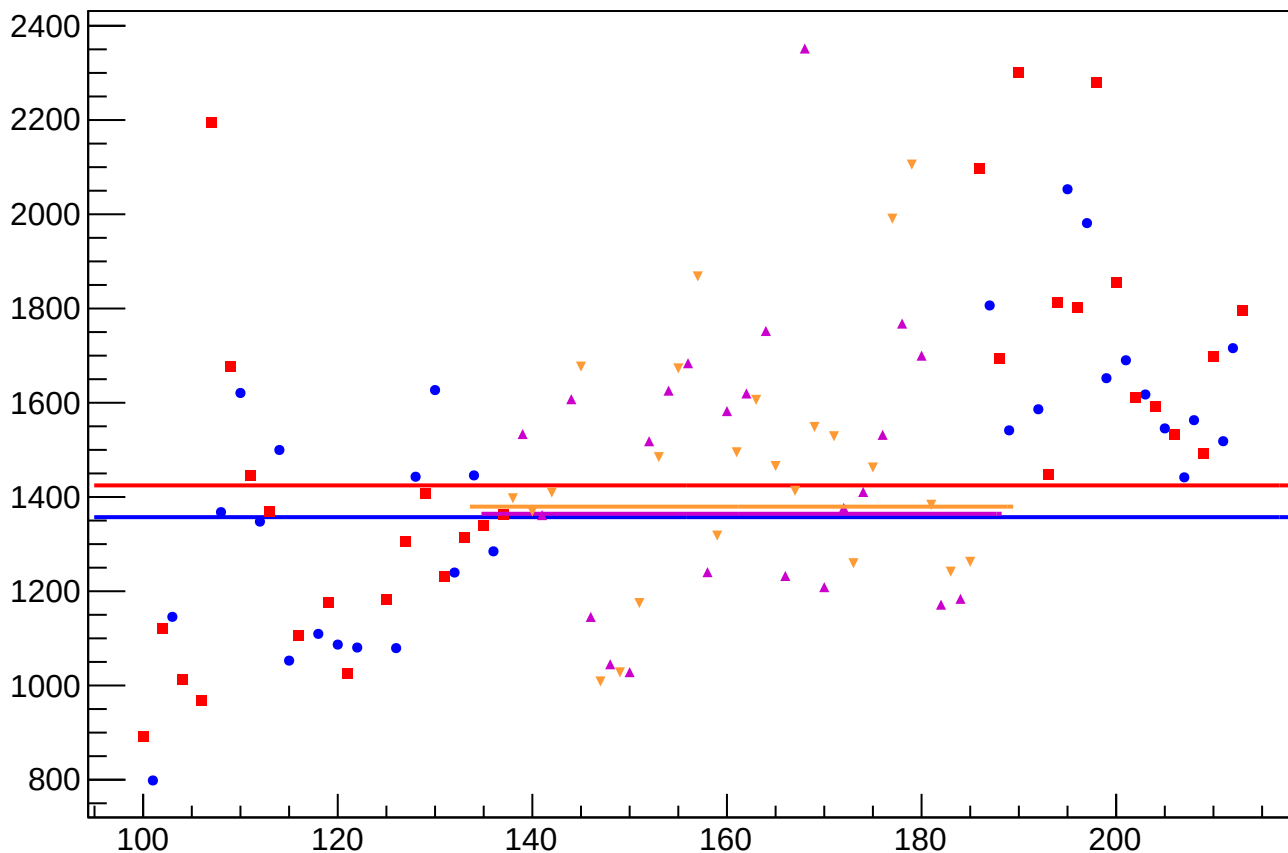
Left In: 23.750 $\pm$ 325.809 χ^2 /NDF:13.5/22

+ sign -77.609 $\pm$ 234.239 χ^2 /NDF: 59.2/52

All: 35.249 $\pm$ 165.930 χ^2 /NDF: 112.1/107

- sign 148.923 $\pm$ 235.085 χ^2 /NDF: 52.4/54

asym_us_avg_cor_correction_rms vs Slug



Right In: 1357.228 $\pm$ 0.237 χ^2 /NDF: 1732168.9/28

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF: 1158468.5/23

Right Out: 1424.610 $\pm$ 0.240 χ^2 /NDF: 1716266.4/31

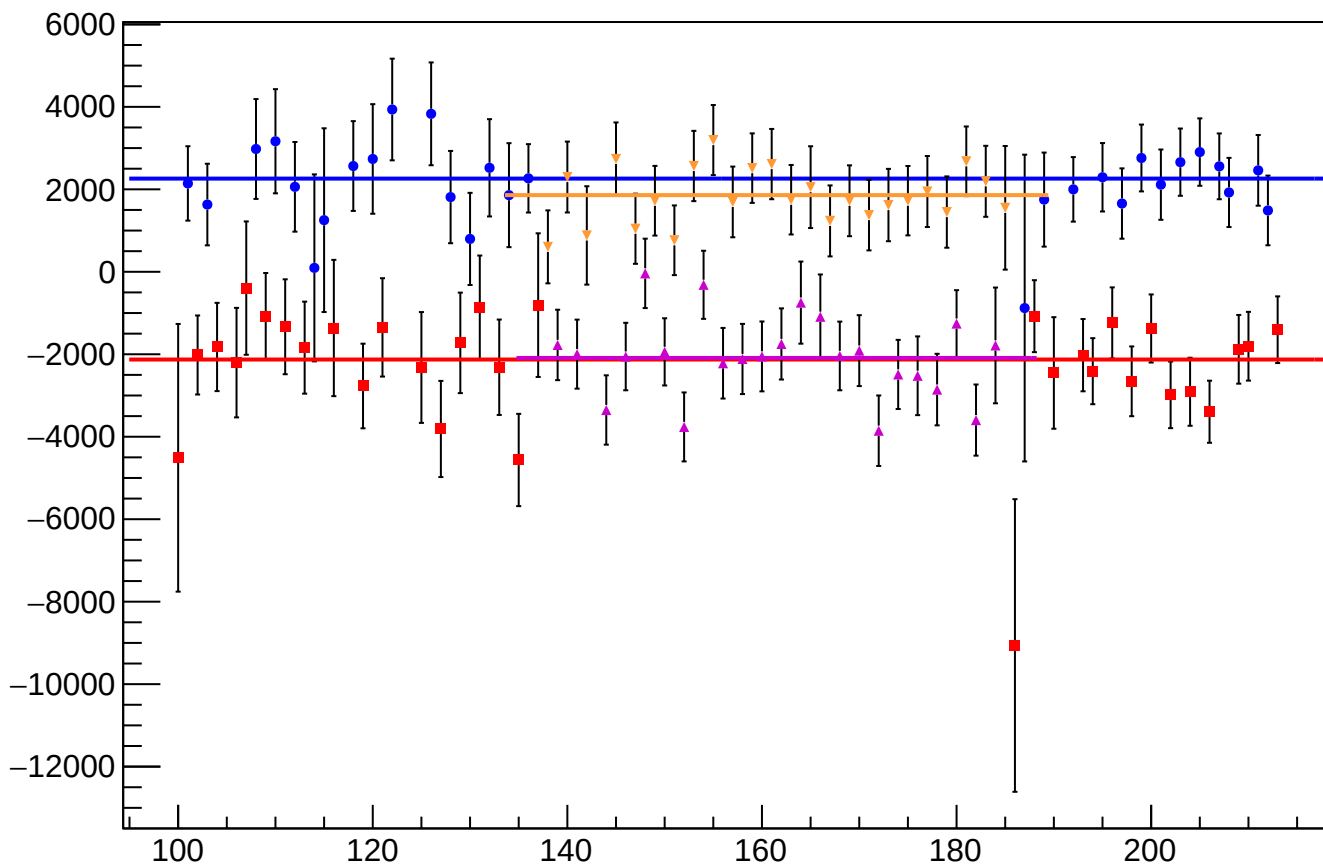
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF: 1312299.5/22

+ sign 1368.628 $\pm$ 0.166 χ^2 /NDF: 2895169.9/52

All: 1380.904 $\pm$ 0.117 χ^2 /NDF: 5967493.1/10

- sign 1393.270 $\pm$ 0.166 χ^2 /NDF: 3061296.3/54

overload_cor_asym_us_avg_mean vs Slug



Right In: 2260.255 $\pm$ 186.112 χ^2 /NDF: 12.1/28

Left Out: 1859.528 $\pm$ 180.231 χ^2 /NDF: 13.5/23

Right Out: -2127.472 $\pm$ 182.102 χ^2 /NDF: 26.6/31

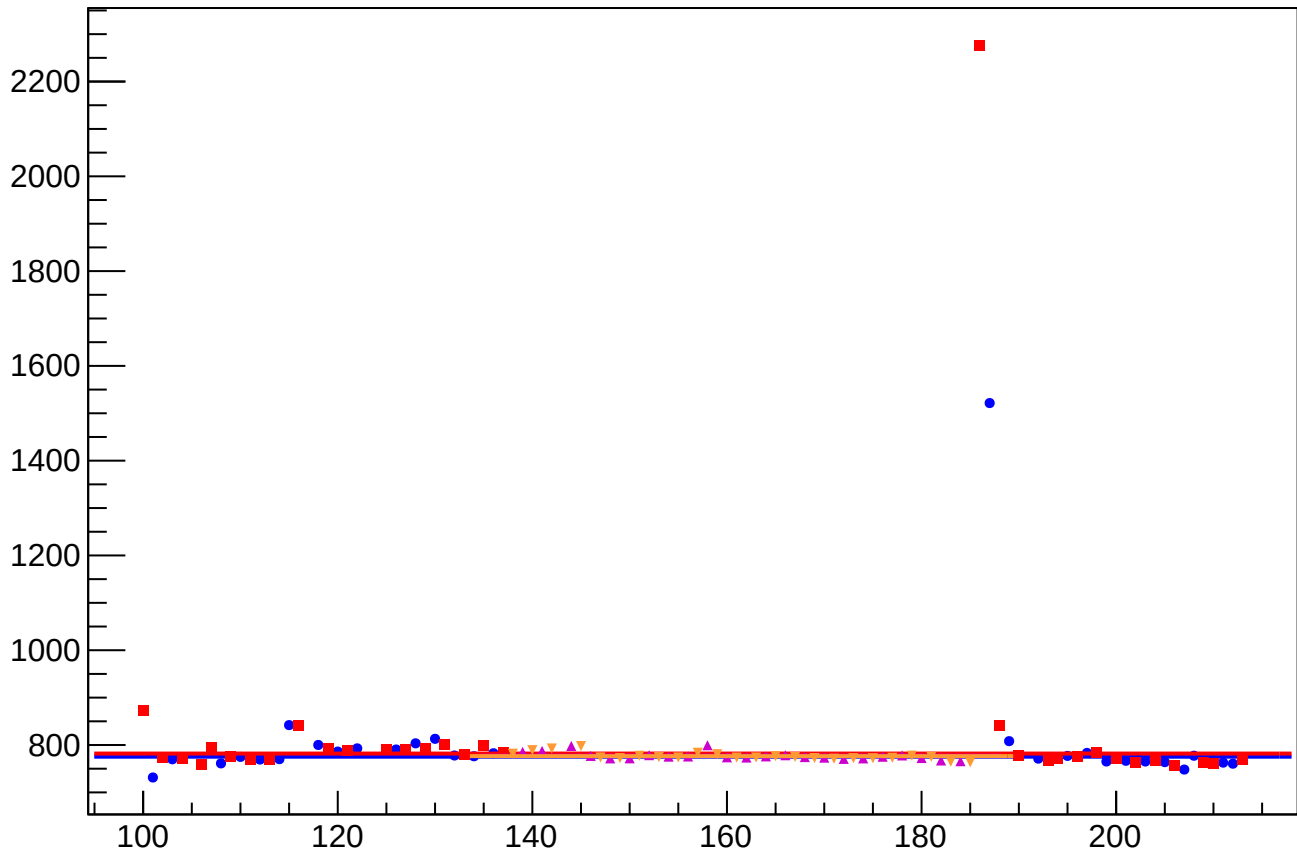
Left In: -2089.493 $\pm$ 181.523 χ^2 /NDF: 29.6/22

+ sign 2053.460 $\pm$ 129.472 χ^2 /NDF: 28.0/52

All: -42.182 $\pm$ 91.226 χ^2 /NDF: 604.5/107

- sign -2108.422 $\pm$ 128.560 χ^2 /NDF: 56.2/54

overload_cor_asym_us_avg_rms vs Slug



Right In: 775.360 $\pm$ 0.132 χ^2 /NDF: 99474.1/28

Left Out: 776.523 $\pm$ 0.127 χ^2 /NDF:3137.1/23

Right Out: 781.945 $\pm$ 0.129 χ^2 /NDF: 379057.9/31

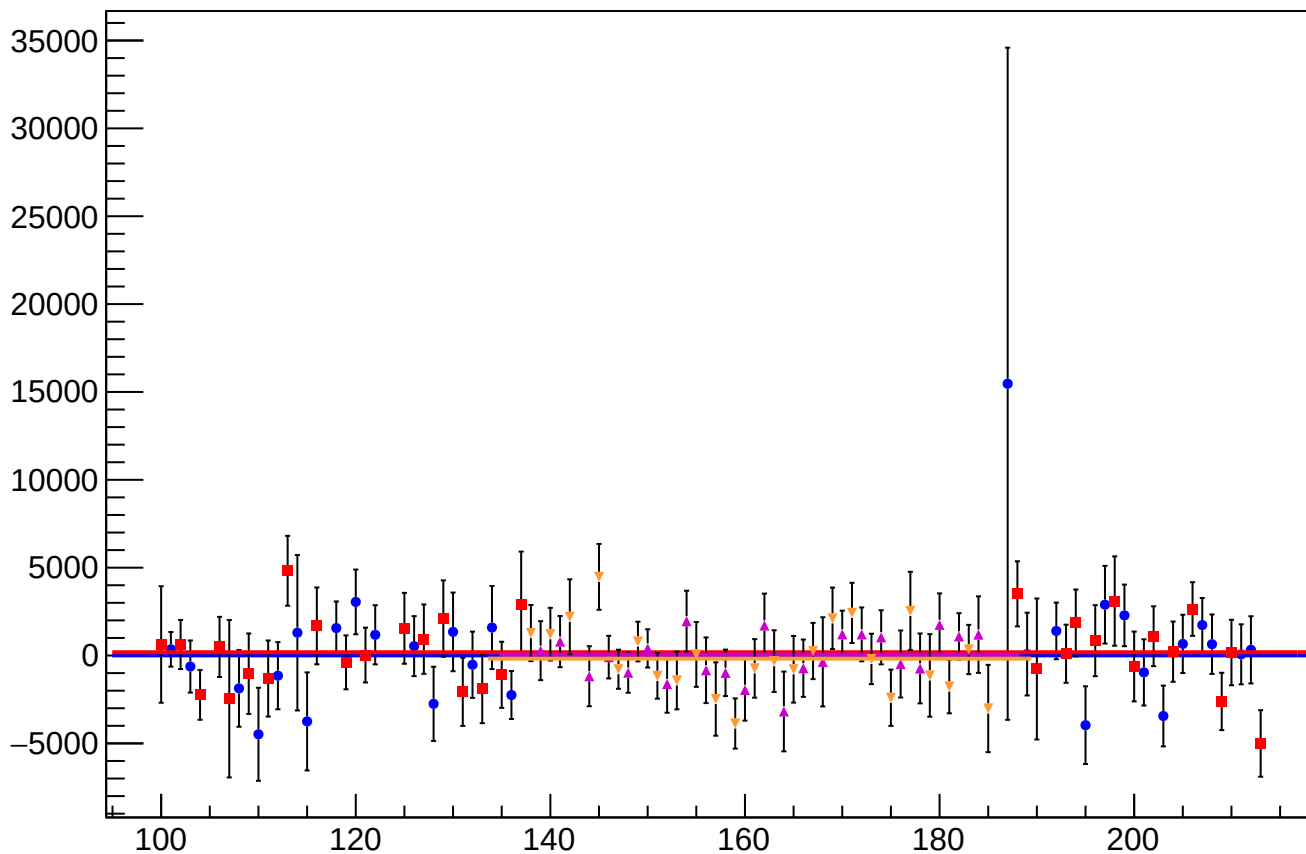
Left In: 777.413 $\pm$ 0.128 χ^2 /NDF:4062.1/22

+ sign 775.960 $\pm$ 0.092 χ^2 /NDF: 102651.5/52

All: 777.829 $\pm$ 0.065 χ^2 /NDF: 487220.4/107

- sign 779.672 $\pm$ 0.091 χ^2 /NDF: 383741.4/54

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 10.336 $\pm$ 336.959 χ^2 /NDF: 29.7/28

Left Out: -174.932 $\pm$ 327.991 χ^2 /NDF: 29.6/23

Right Out: 186.834 $\pm$ 342.404 χ^2 /NDF: 34.3/30

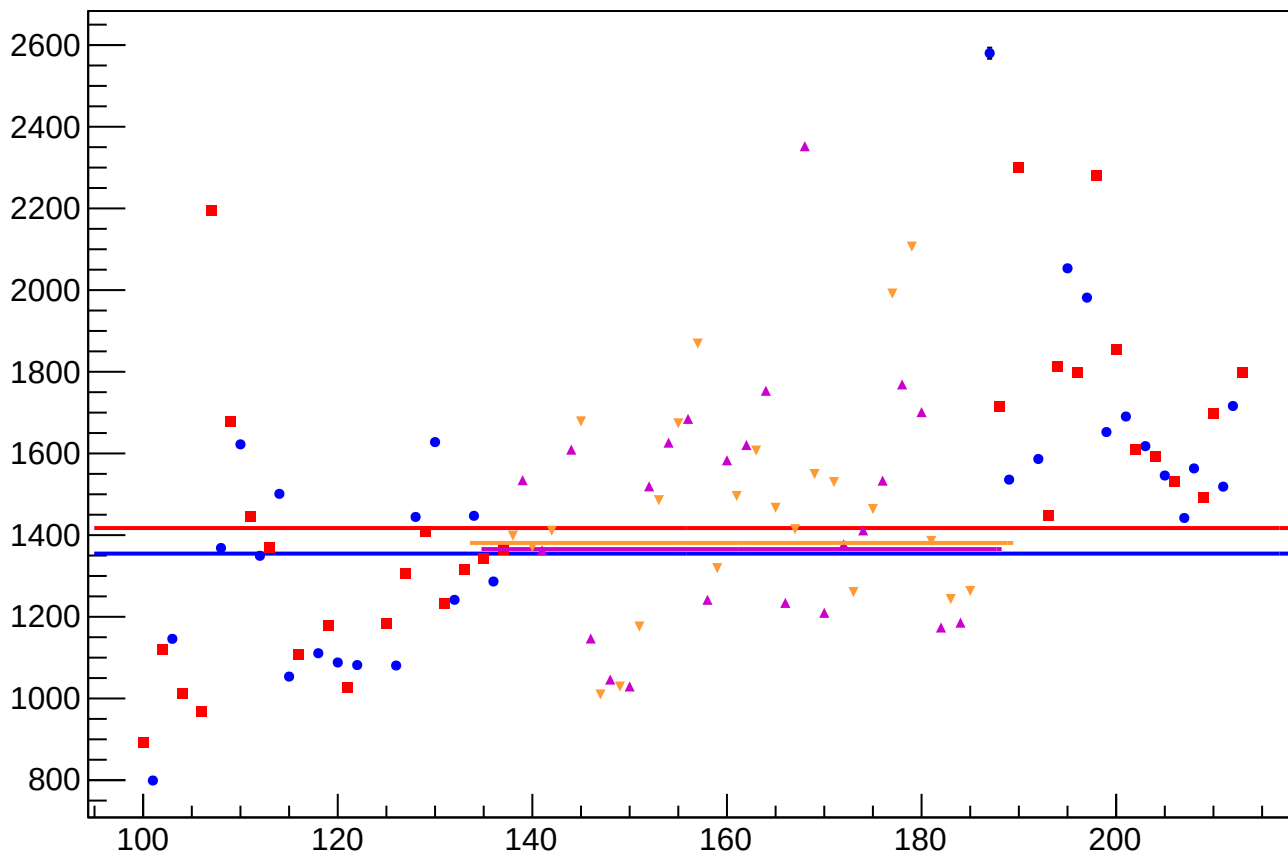
Left In: 52.820 $\pm$ 326.124 χ^2 /NDF: 13.0/22

+ sign -84.796 $\pm$ 235.031 χ^2 /NDF: 59.5/52

All: 15.407 $\pm$ 166.586 χ^2 /NDF: 107.2/106

- sign 116.566 $\pm$ 236.150 χ^2 /NDF: 47.4/53

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1354.791+/-0.238 χ^2/NDF : 1709149.5/28

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

Right Out: 1417.369+/-0.242 χ^2/NDF : 1625063.5/30

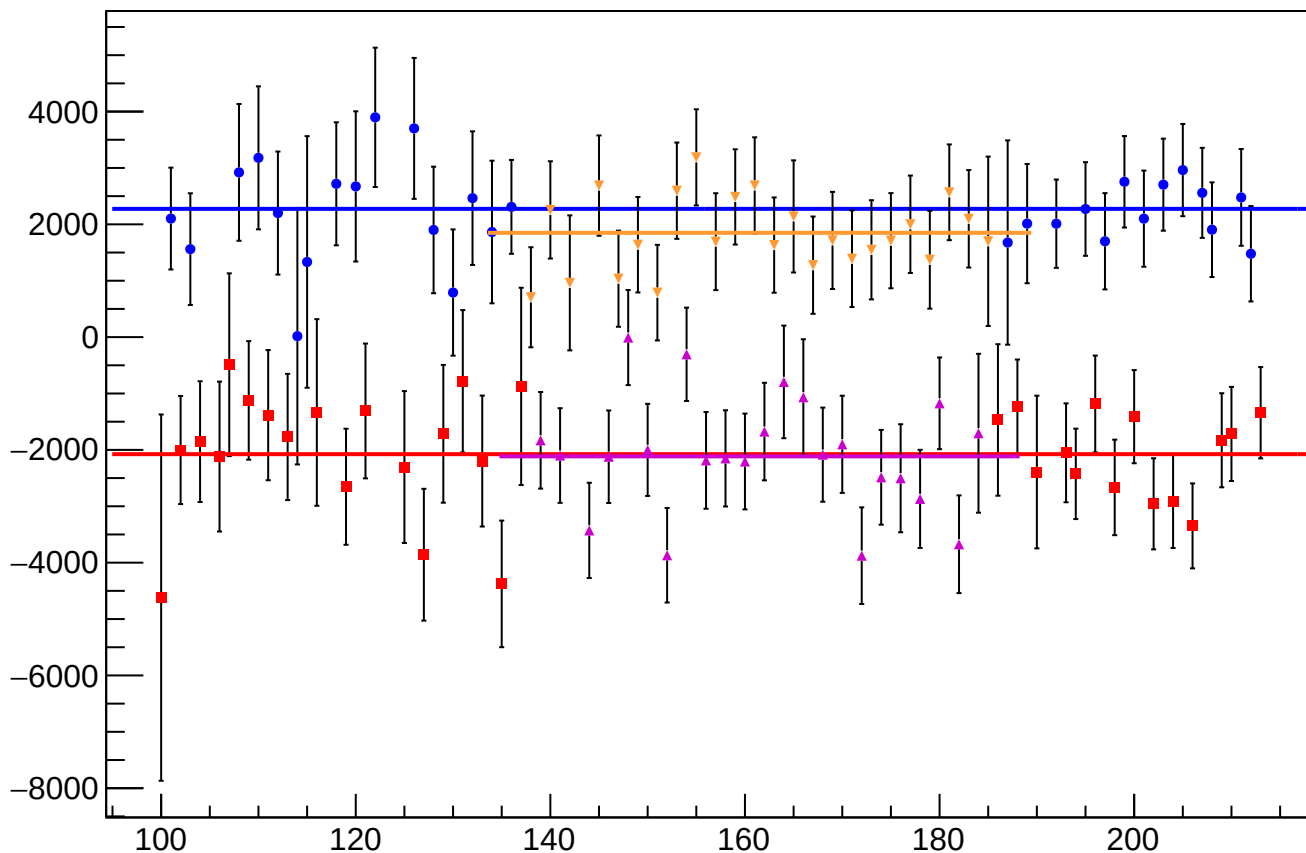
Left In: 1365.811+/-0.231 χ^2/NDF : 1308862.5/22

+ sign 1368.225+/-0.166 χ^2/NDF : 2870777.4/52

All: 1379.227+/-0.118 χ^2/NDF : 5837287.8/10

- sign 1390.335+/-0.167 χ^2/NDF : 2957702.4/53

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2274.759 $\pm$ 185.249 χ^2 /NDF: 11.2/28

Left Out: 1849.592 $\pm$ 180.739 χ^2 /NDF:12.8/23

Right Out: -2075.983 $\pm$ 180.534 χ^2 /NDF: 21.8/31

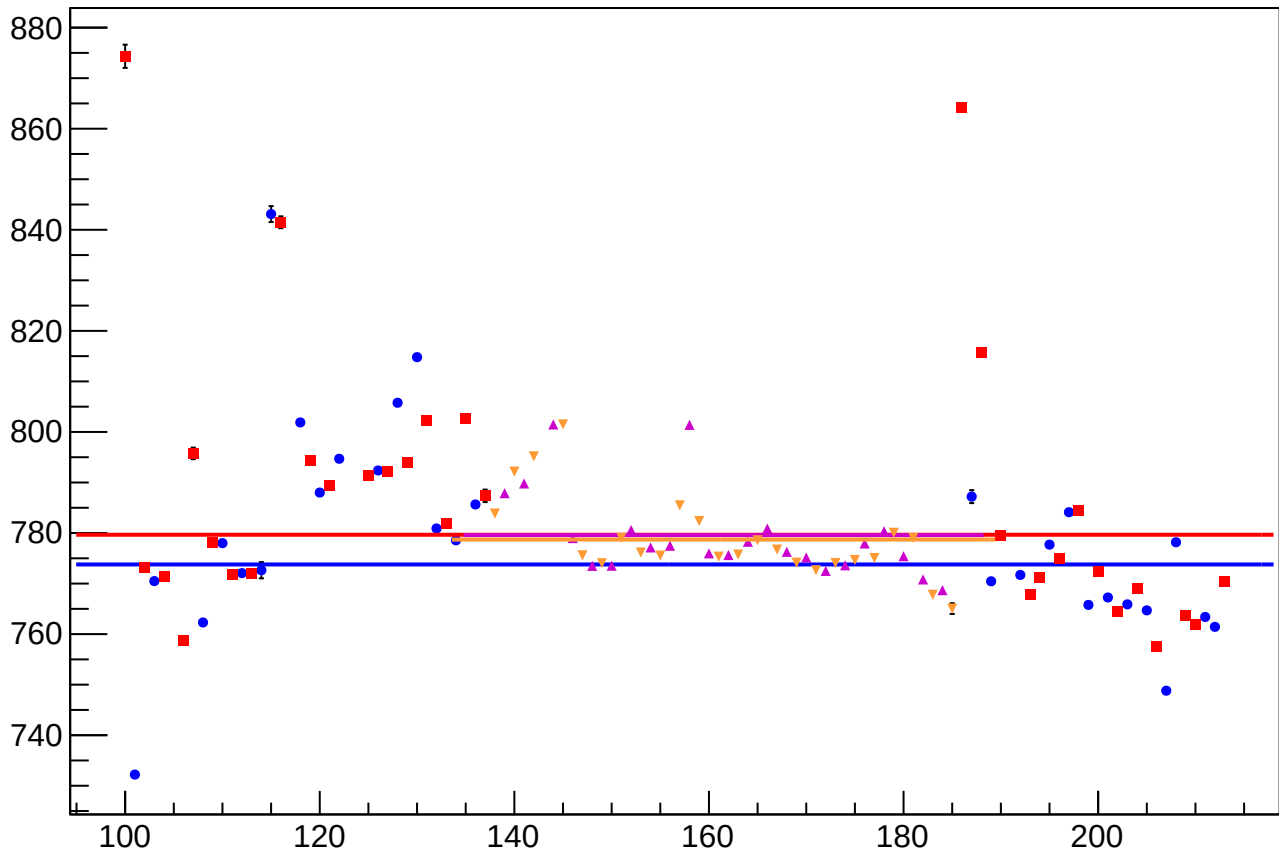
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 2056.937 $\pm$ 129.367 χ^2 /NDF: 26.7/52

All: -38.166 $\pm$ 91.054 χ^2 /NDF: 599.4/107

- sign -2095.054 $\pm$ 128.182 χ^2 /NDF: 52.9/54

eigen_cor_asym_us_avg_rms vs Slug



Right In: 773.784 $\pm$ 0.131 χ^2 /NDF: 17746.0/28

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF: 3389.8/23

Right Out: 779.659 $\pm$ 0.128 χ^2 /NDF: 25510.4/31

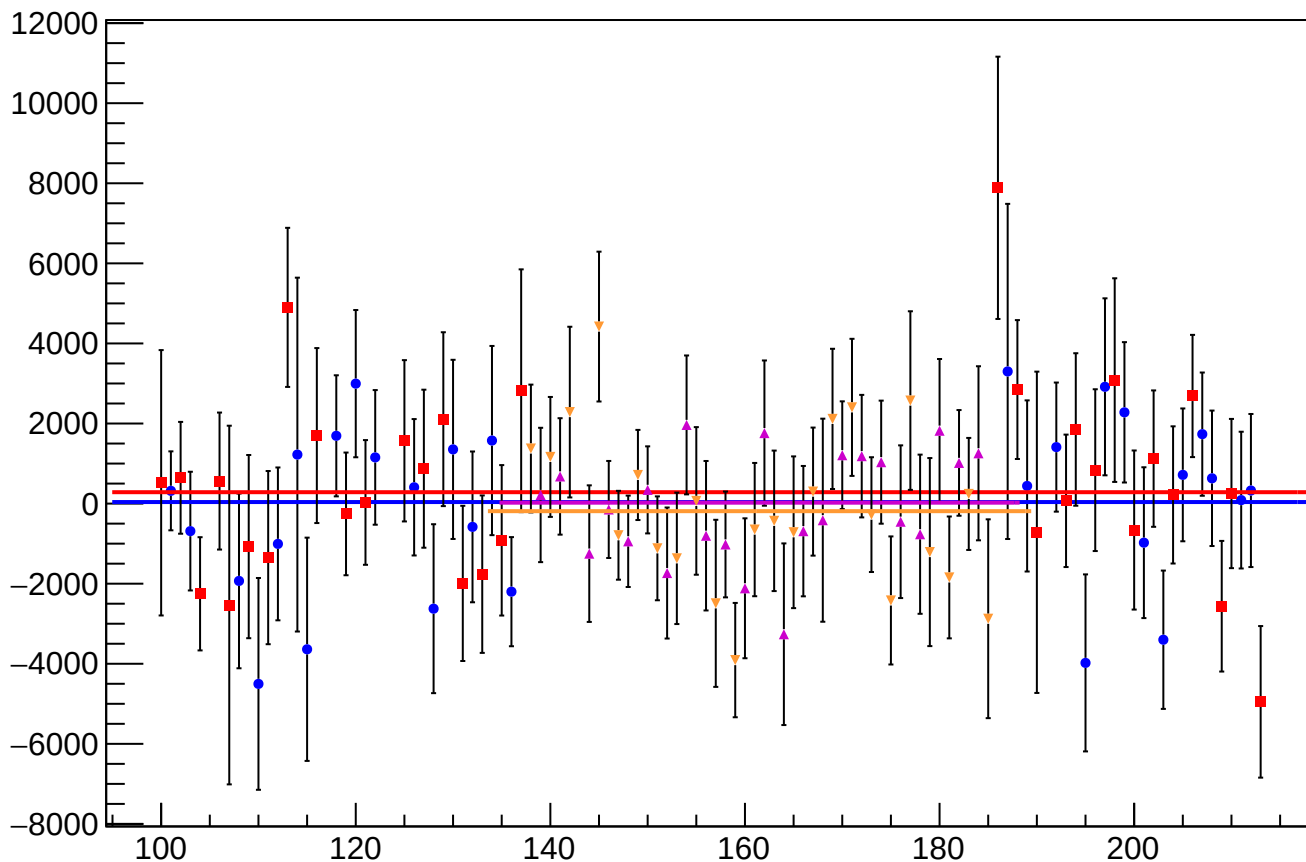
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF: 4172.9/22

+ sign 776.307 $\pm$ 0.091 χ^2 /NDF: 21859.8/52

All: 777.977 $\pm$ 0.064 χ^2 /NDF: 52204.3/107

- sign 779.617 $\pm$ 0.091 χ^2 /NDF: 29683.6/54

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 38.807+/-334.975 χ^2/NDF : 29.4/28

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

Right Out: 284.866+/-339.536 χ^2/NDF : 38.6/31

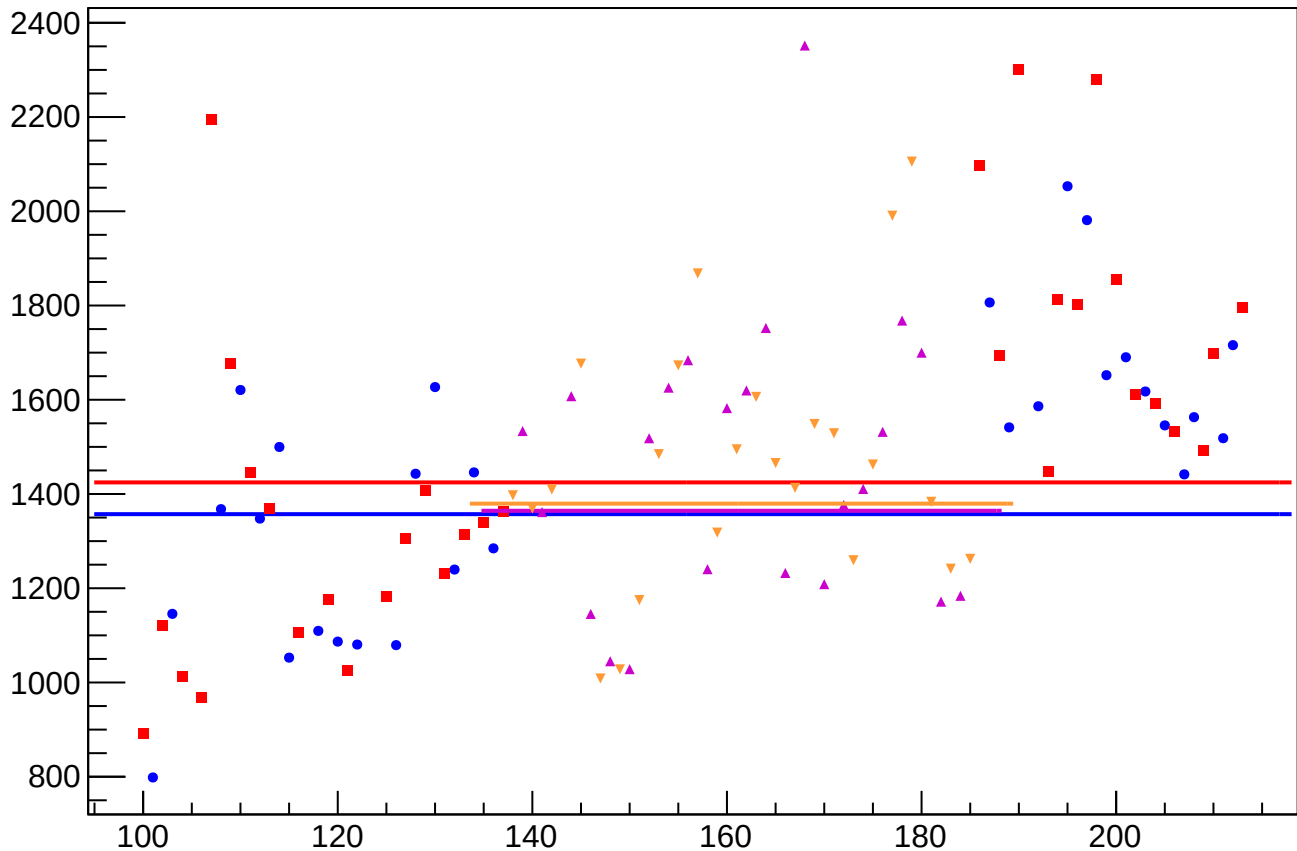
Left In: 23.750+/-325.809 χ^2/NDF : 13.5/22

+ sign -77.609+/-234.239 χ^2/NDF : 59.2/52

All: 35.249+/-165.930 χ^2/NDF : 112.1/107

- sign 148.923+/-235.085 χ^2/NDF : 52.4/54

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1357.228 $\pm$ 0.237 χ^2 /NDF: 1732168.9/28

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF: 1158468.5/23

Right Out: 1424.610 $\pm$ 0.240 χ^2 /NDF: 1716266.4/31

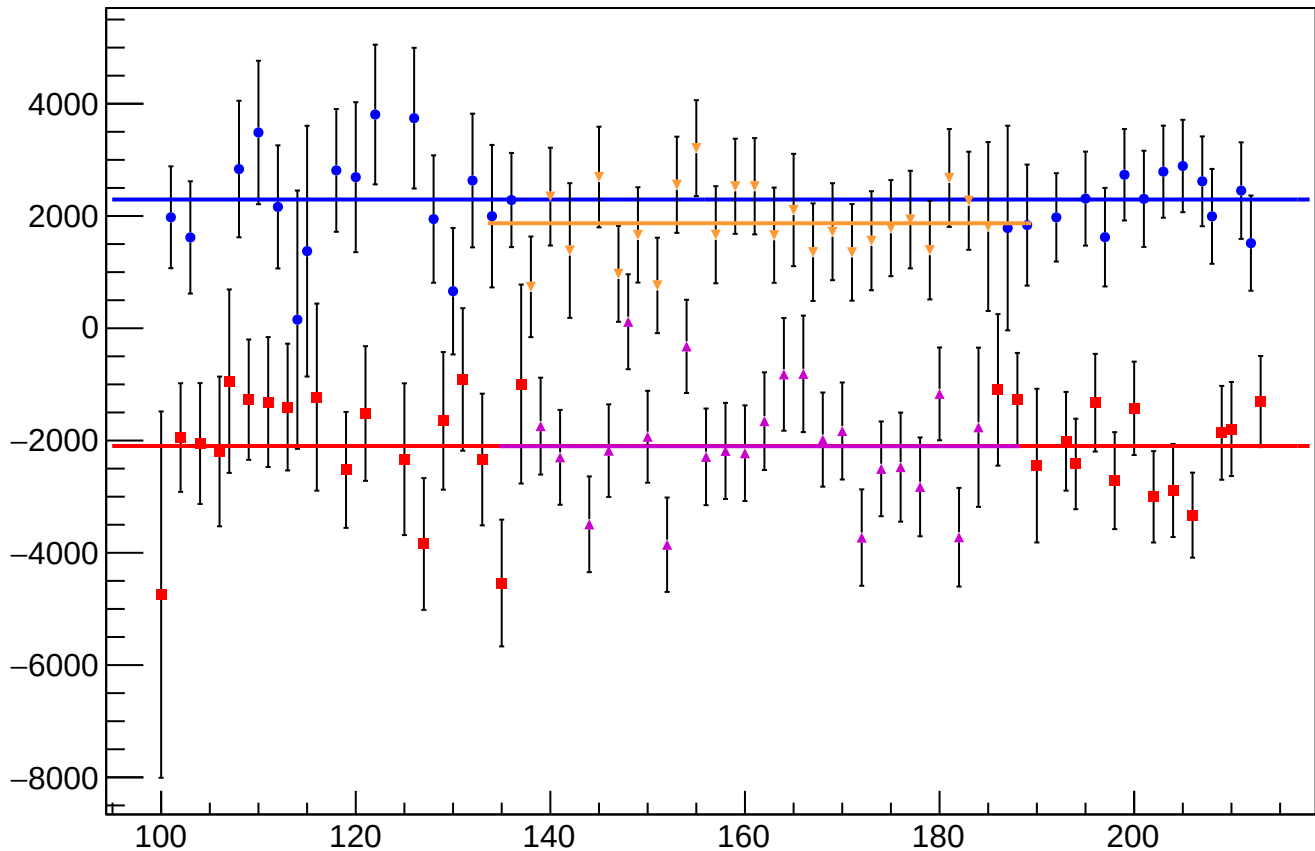
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF: 1312299.5/22

+ sign 1368.628 $\pm$ 0.166 χ^2 /NDF: 2895169.9/52

All: 1380.904 $\pm$ 0.117 χ^2 /NDF: 5967493.1/10

- sign 1393.270 $\pm$ 0.166 χ^2 /NDF: 3061296.3/54

dit_asym_us_avg_mean vs Slug



Right In: 2293.666 $\pm$ 186.501 χ^2 /NDF: 11.5/28

Left Out: 1871.457 $\pm$ 181.976 χ^2 /NDF:12.5/23

Right Out: -2097.035 $\pm$ 181.728 χ^2 /NDF: 21.3/31

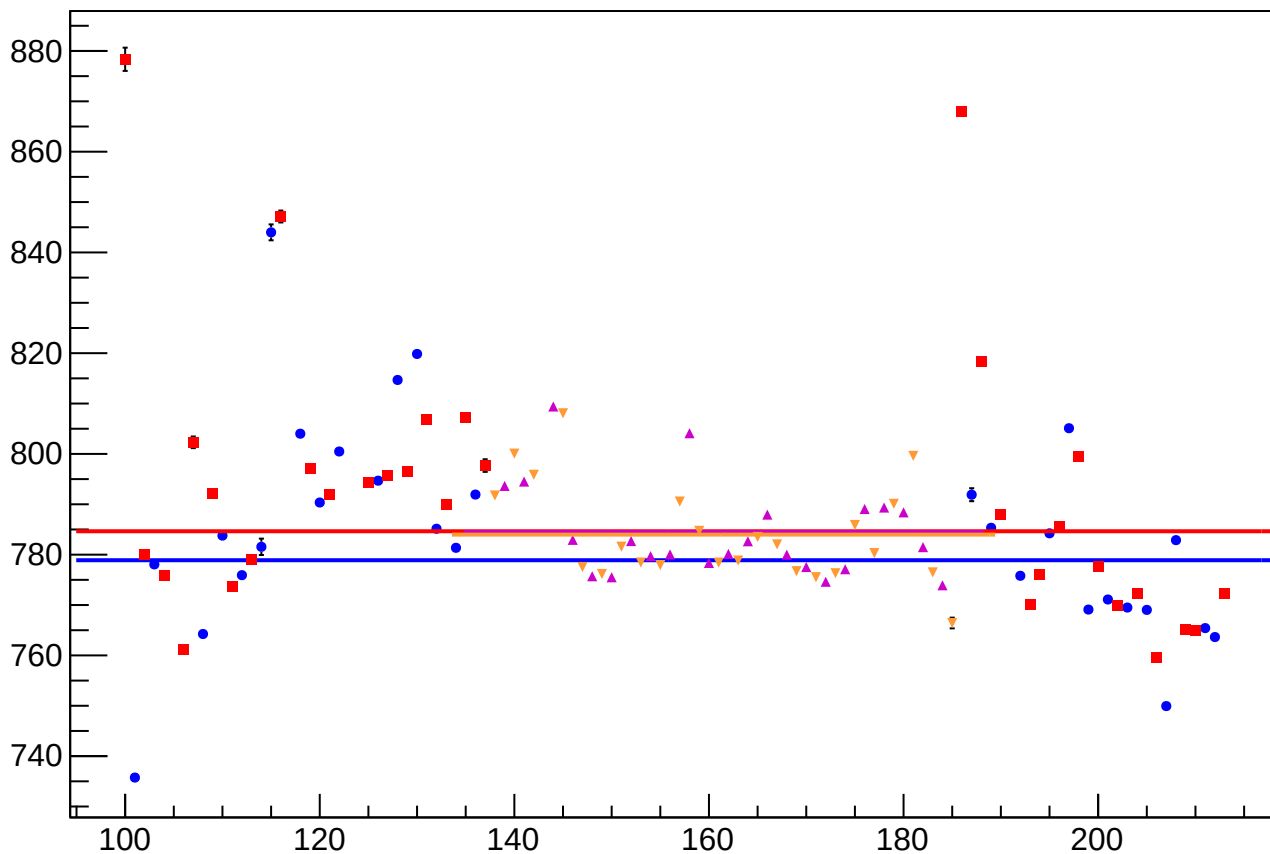
Left In: -2101.047 $\pm$ 183.179 χ^2 /NDF:31.8/22

+ sign 2077.378 $\pm$ 130.247 χ^2 /NDF: 26.6/52

All: -30.732 $\pm$ 91.658 χ^2 /NDF: 598.7/107

- sign -2099.025 $\pm$ 129.011 χ^2 /NDF: 53.1/54

dit_asym_us_avg_rms vs Slug



Right In: 778.894 $\pm$ 0.132 χ^2 /NDF: 20733.9/28

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 784.646 $\pm$ 0.129 χ^2 /NDF: 26579.9/31

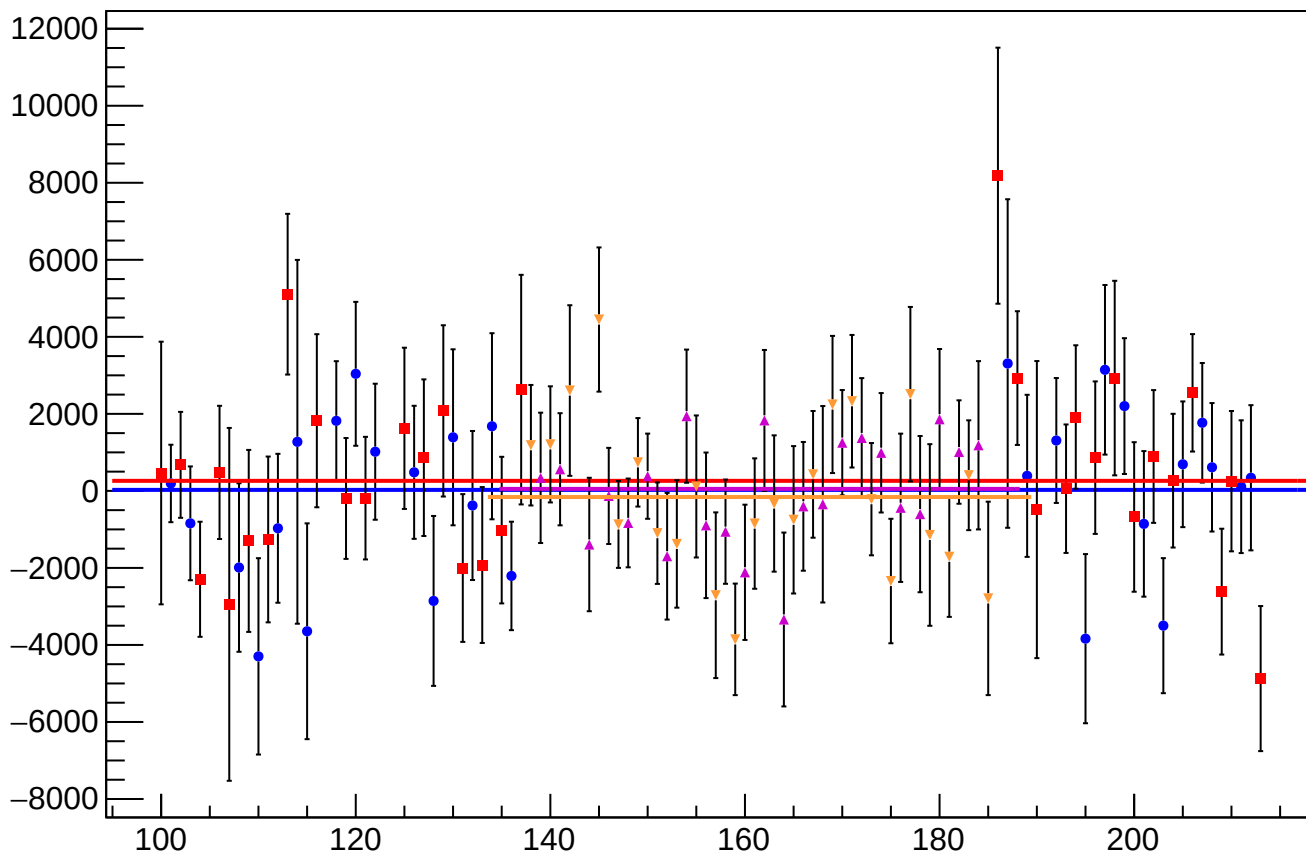
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 781.500 $\pm$ 0.092 χ^2 /NDF: 26424.3/52

All: 783.045 $\pm$ 0.065 χ^2 /NDF: 58489.9/107

- sign 784.560 $\pm$ 0.091 χ^2 /NDF: 31508.5/54

asym_us_avg_dit_correction_mean vs Slug



Right In: 26.066+/-338.678 χ^2/NDF : 29.3/28

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

Right Out: 260.936+/-342.676 χ^2/NDF : 38.6/31

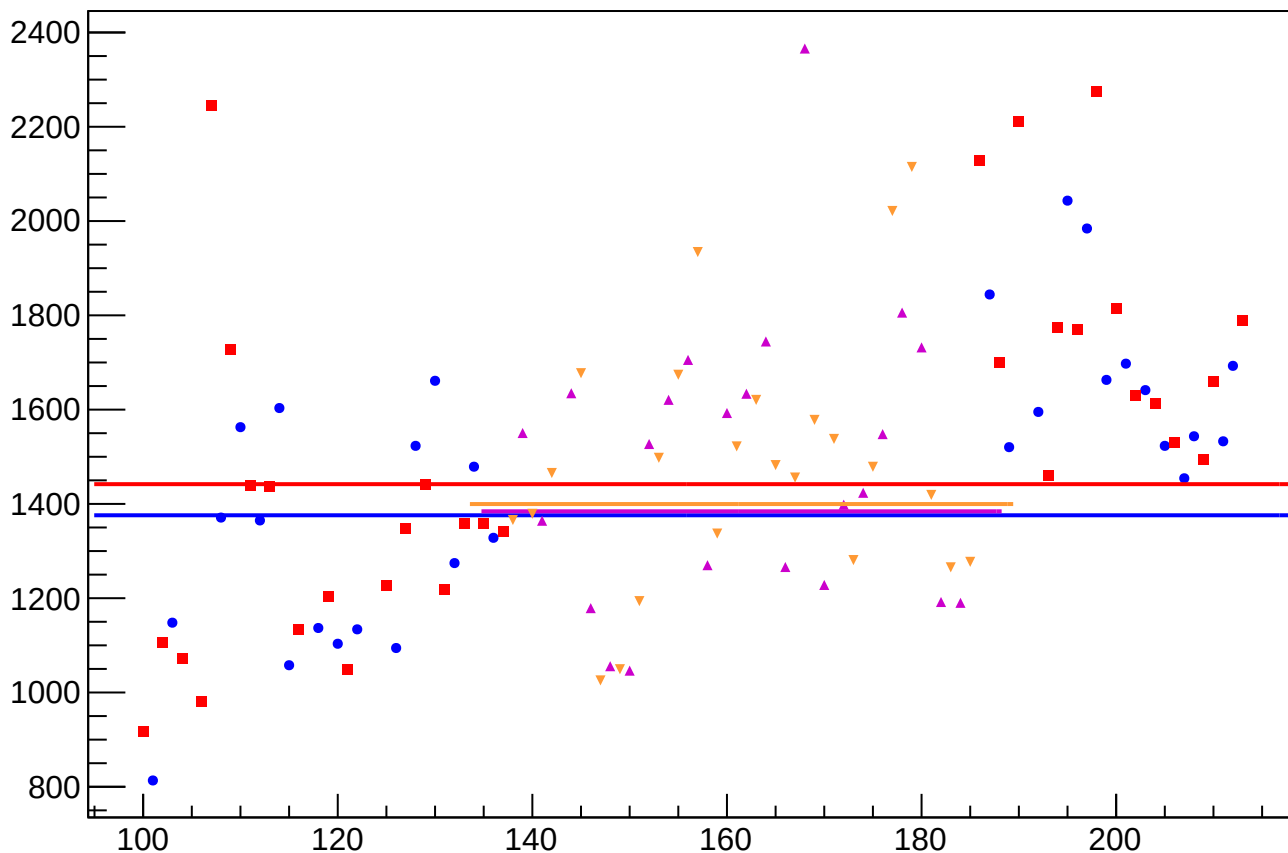
Left In: 51.975+/-330.206 χ^2/NDF : 13.4/22

+ sign -68.396+/-237.154 χ^2/NDF : 58.6/52

All: 41.804+/-167.913 χ^2/NDF : 111.2/107

- sign 152.584+/-237.777 χ^2/NDF : 52.2/54

asym_us_avg_dit_correction_rms vs Slug



Right In: 1375.911+/-0.239 χ^2/NDF : 1626085.2/28

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

Right Out: 1441.919+/-0.242 χ^2/NDF : 1557335.1/31

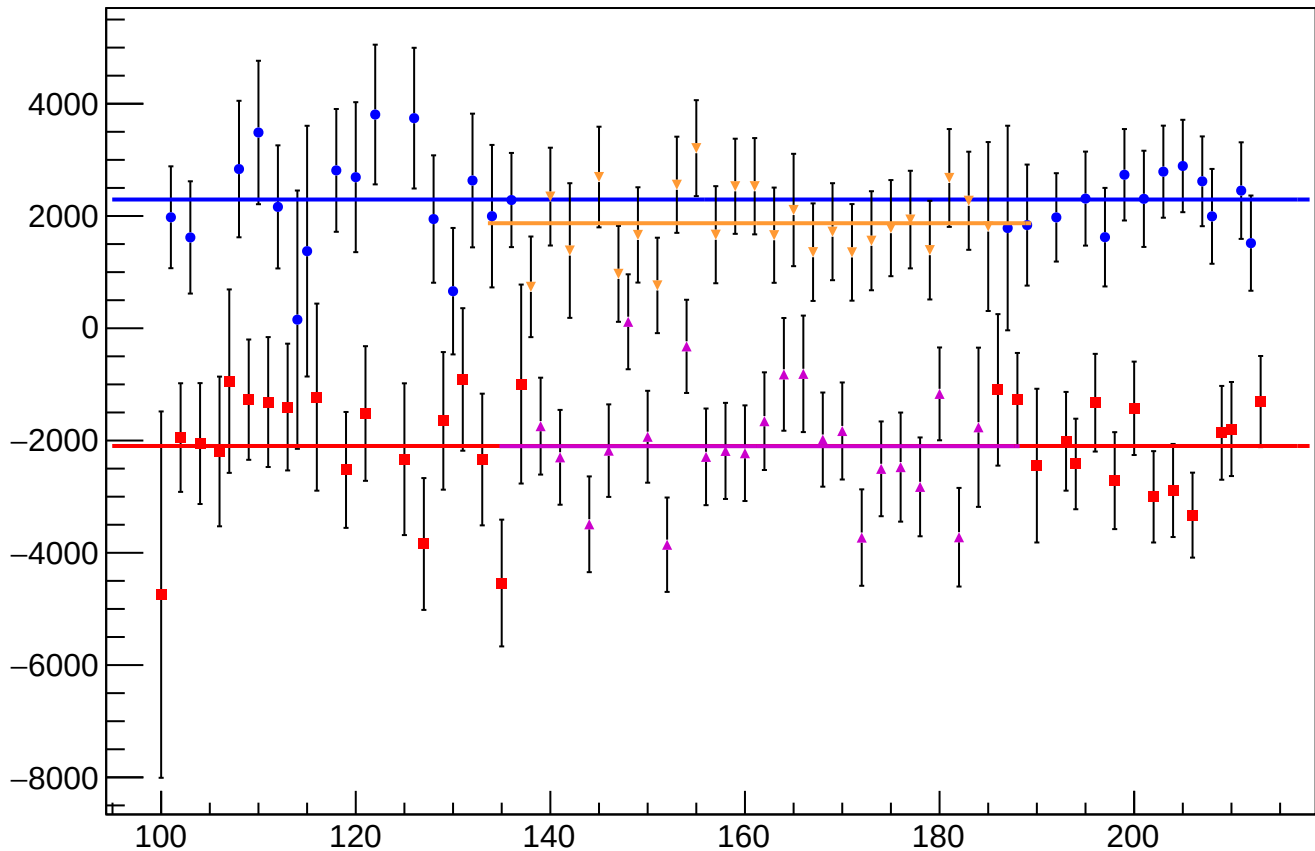
Left In: 1384.333+/-0.233 χ^2/NDF : 1269936.6/22

+ sign 1388.044+/-0.168 χ^2/NDF : 2767471.6/52

All: 1400.020+/-0.119 χ^2/NDF : 5634257.2/10

- sign 1412.060+/-0.168 χ^2/NDF : 2856558.0/54

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2293.666+/-186.501 χ^2/NDF : 11.5/28

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

Right Out: -2097.034+/-181.728 χ^2/NDF : 21.3/31

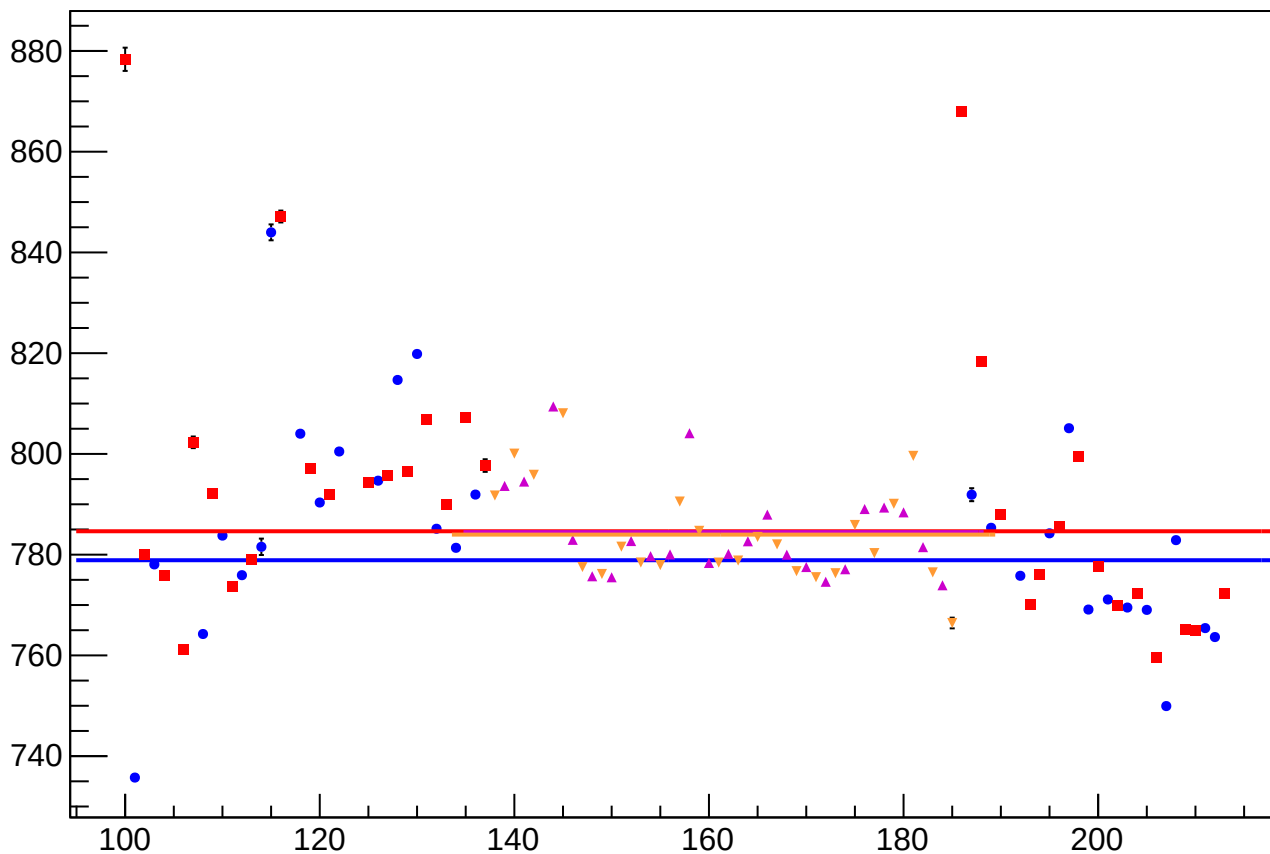
Left In: -2101.047+/-183.179 χ^2/NDF : 31.8/22

+ sign 2077.377+/-130.247 χ^2/NDF : 26.6/52

All: -30.732+/-91.658 χ^2/NDF : 598.7/107

- sign -2099.024+/-129.011 χ^2/NDF : 53.1/54

eigen_dit_asym_us_avg_rms vs Slug



Right In: 778.894 $\pm$ 0.132 χ^2 /NDF: 20733.8/28

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 784.646 $\pm$ 0.129 χ^2 /NDF: 26579.8/31

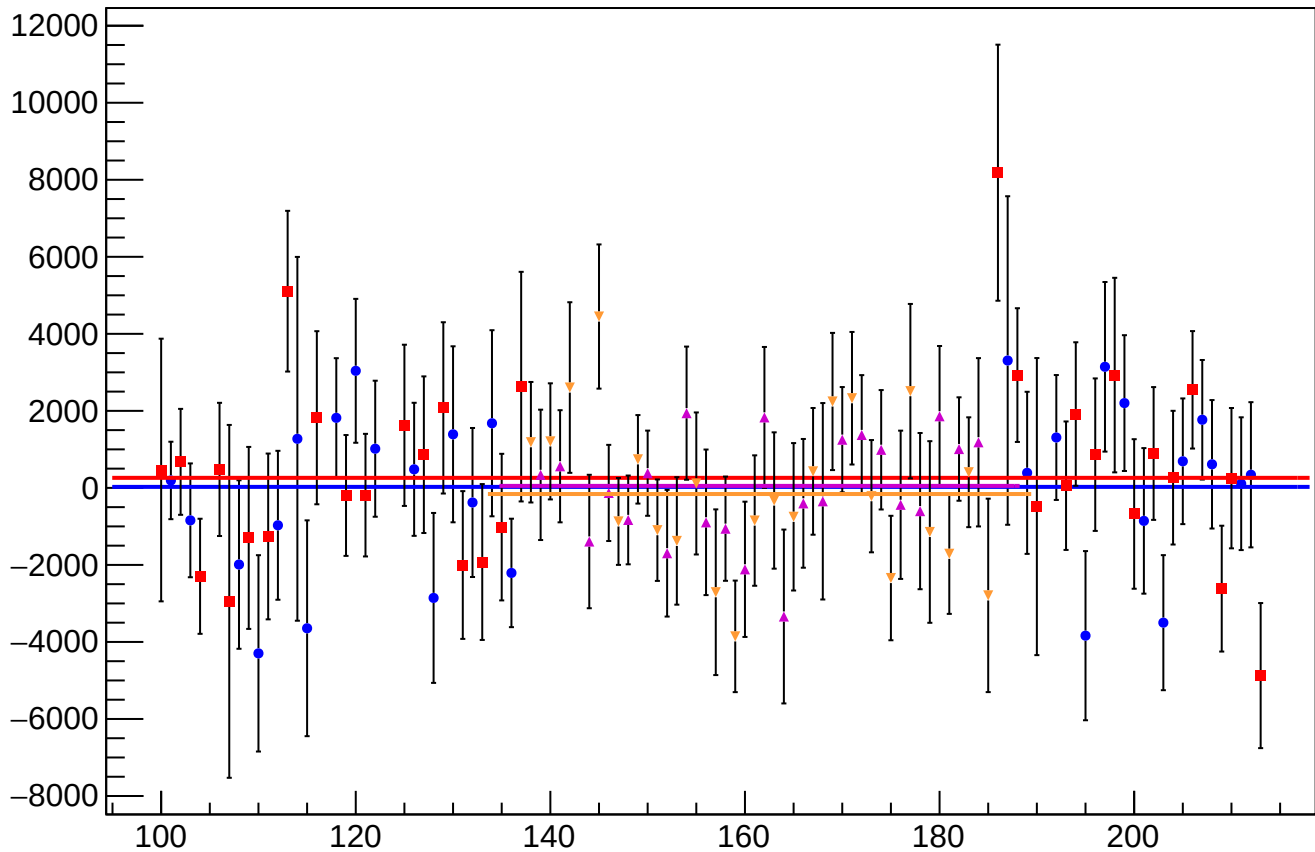
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 781.500 $\pm$ 0.092 χ^2 /NDF: 26424.2/52

All: 783.045 $\pm$ 0.065 χ^2 /NDF: 58489.7/107

- sign 784.560 $\pm$ 0.091 χ^2 /NDF: 31508.5/54

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 26.066 $\pm$ 338.678 χ^2 /NDF: 29.3/28

Left Out: -159.278 $\pm$ 332.191 χ^2 /NDF: 29.1/23

Right Out: 260.934 $\pm$ 342.676 χ^2 /NDF: 38.6/31

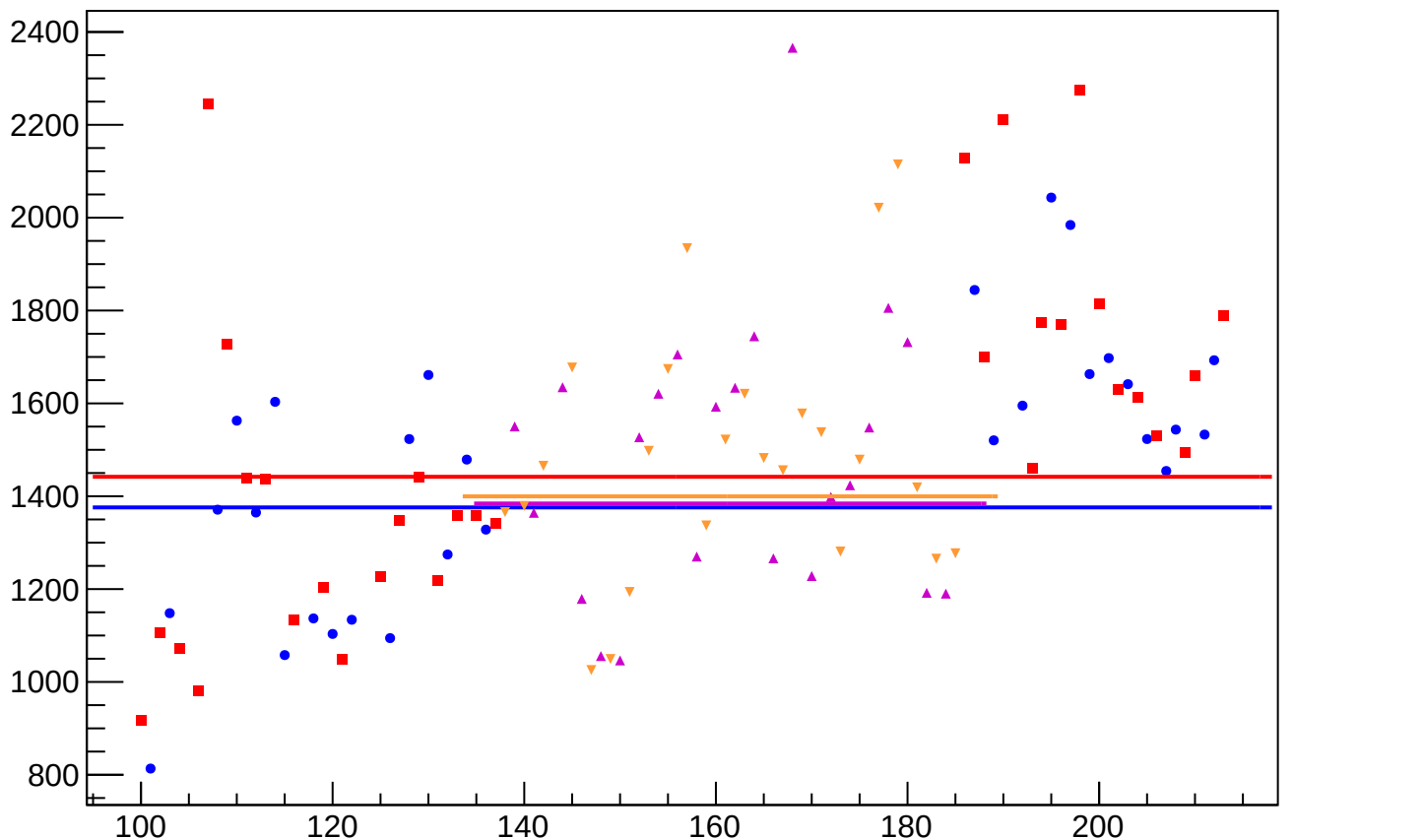
Left In: 51.975 $\pm$ 330.207 χ^2 /NDF: 13.4/22

+ sign -68.398 $\pm$ 237.155 χ^2 /NDF: 58.6/52

All: 41.803 $\pm$ 167.913 χ^2 /NDF: 111.2/107

- sign 152.584 $\pm$ 237.777 χ^2 /NDF: 52.2/54

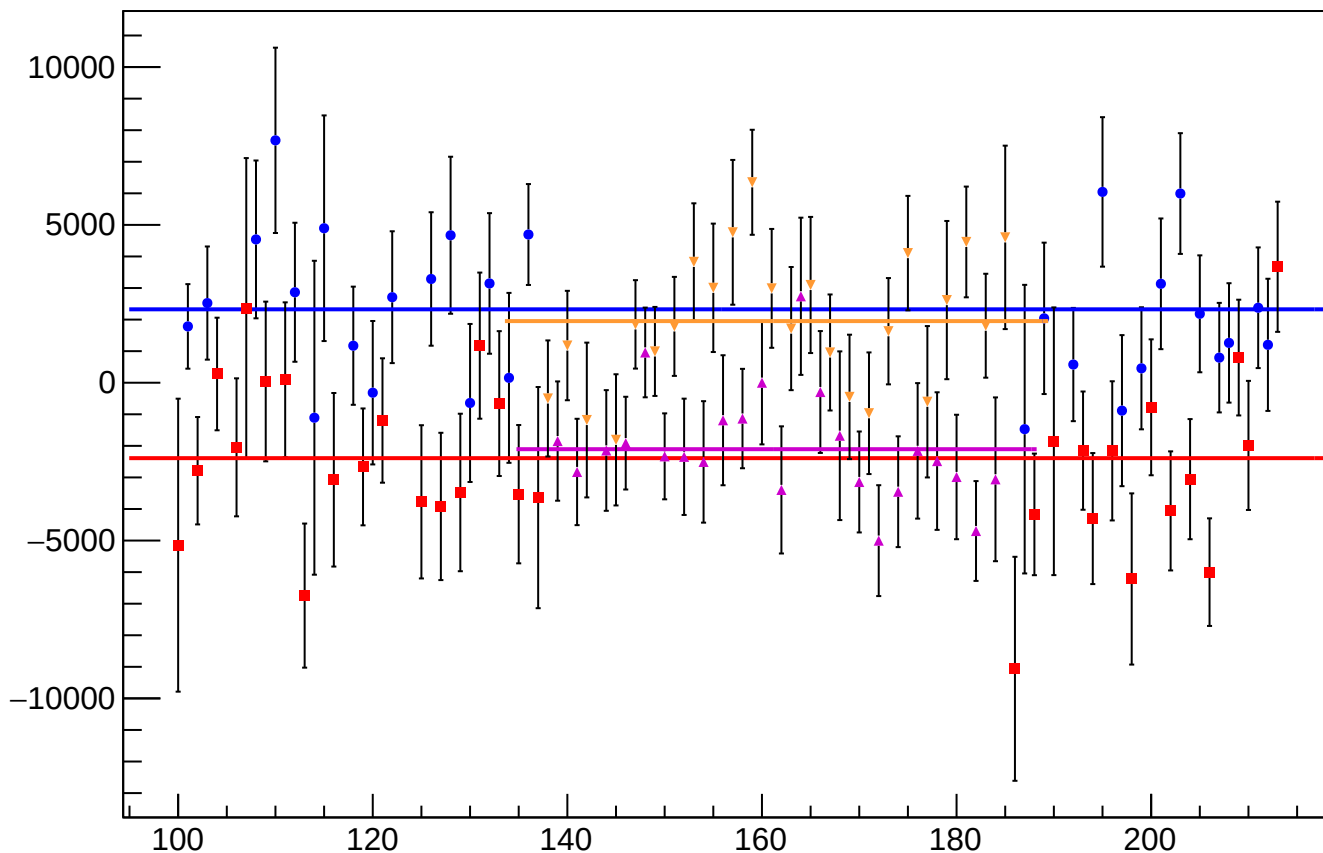
asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1375.910 $\pm$ 0.239 χ^2/NDF : 1626104.9/28
 Left Out: 1399.720 $\pm$ 0.235 χ^2/NDF : 1136351.3/23
 Right Out: 1441.917 $\pm$ 0.242 χ^2/NDF : 1557356.5/31
 Left In: 1384.336 $\pm$ 0.233 χ^2/NDF : 1269937.1/22

+ sign 1388.045 $\pm$ 0.168 χ^2/NDF : 2767494.1/52
 All: 1400.021 $\pm$ 0.119 χ^2/NDF : 5634296.9/10
 - sign 1412.060 $\pm$ 0.168 χ^2/NDF : 2856575.3/54

asym_us_avg_mean vs Slug



Right In: 2325.287 $\pm$ 391.644 χ^2 /NDF: 24.7/28

Left Out: 1952.406 $\pm$ 380.269 χ^2 /NDF: 27.4/23

Right Out: -2389.473 $\pm$ 392.567 χ^2 /NDF: 38.9/31

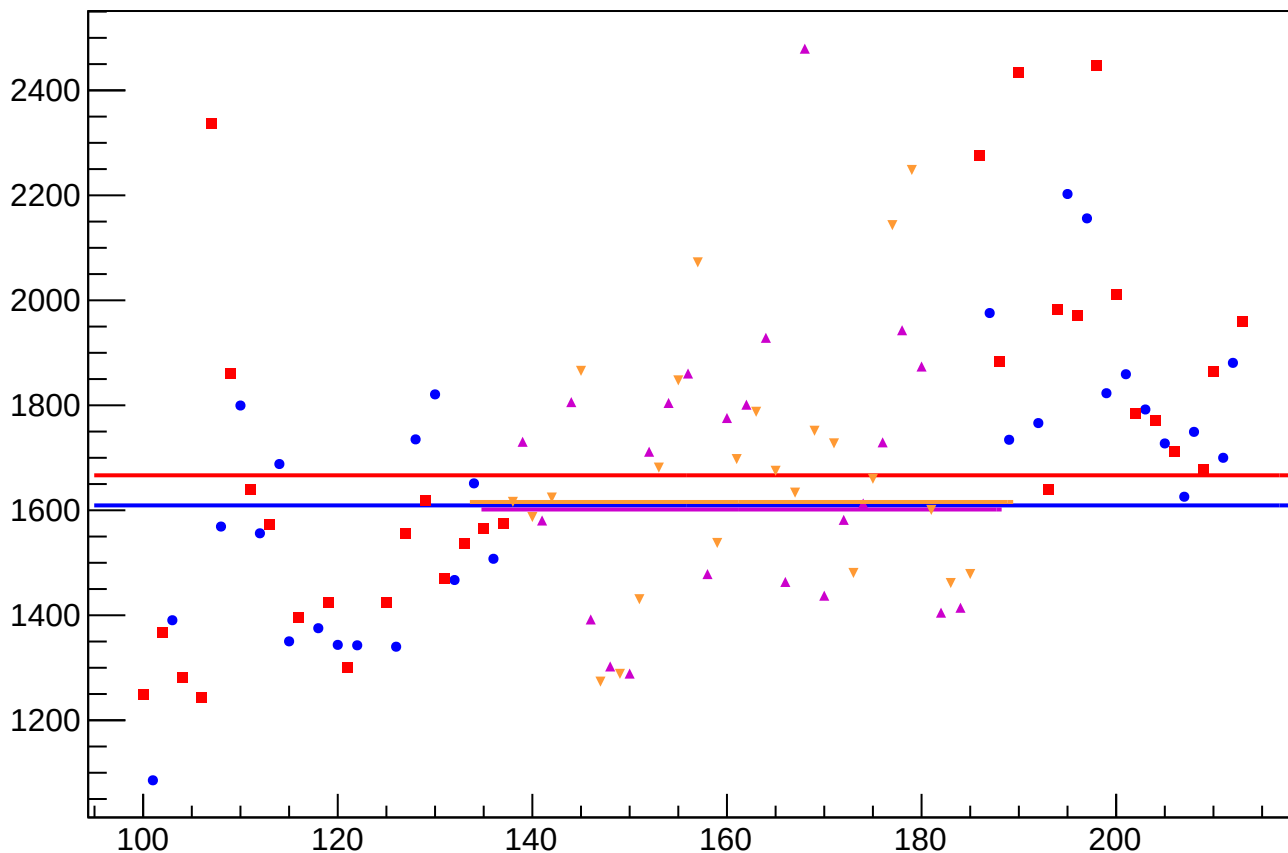
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF: 18.6/22

+ sign 2133.353 $\pm$ 272.823 χ^2 /NDF: 52.5/52

All: -55.687 $\pm$ 192.865 χ^2 /NDF: 239.0/107

- sign -2242.469 $\pm$ 272.683 χ^2 /NDF: 57.8/54

asym_us_avg_rms vs Slug



Right In: 1609.317+/-0.277 χ^2/NDF : 909242.3/28

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

Right Out: 1666.640+/-0.278 χ^2/NDF : 999807.7/31

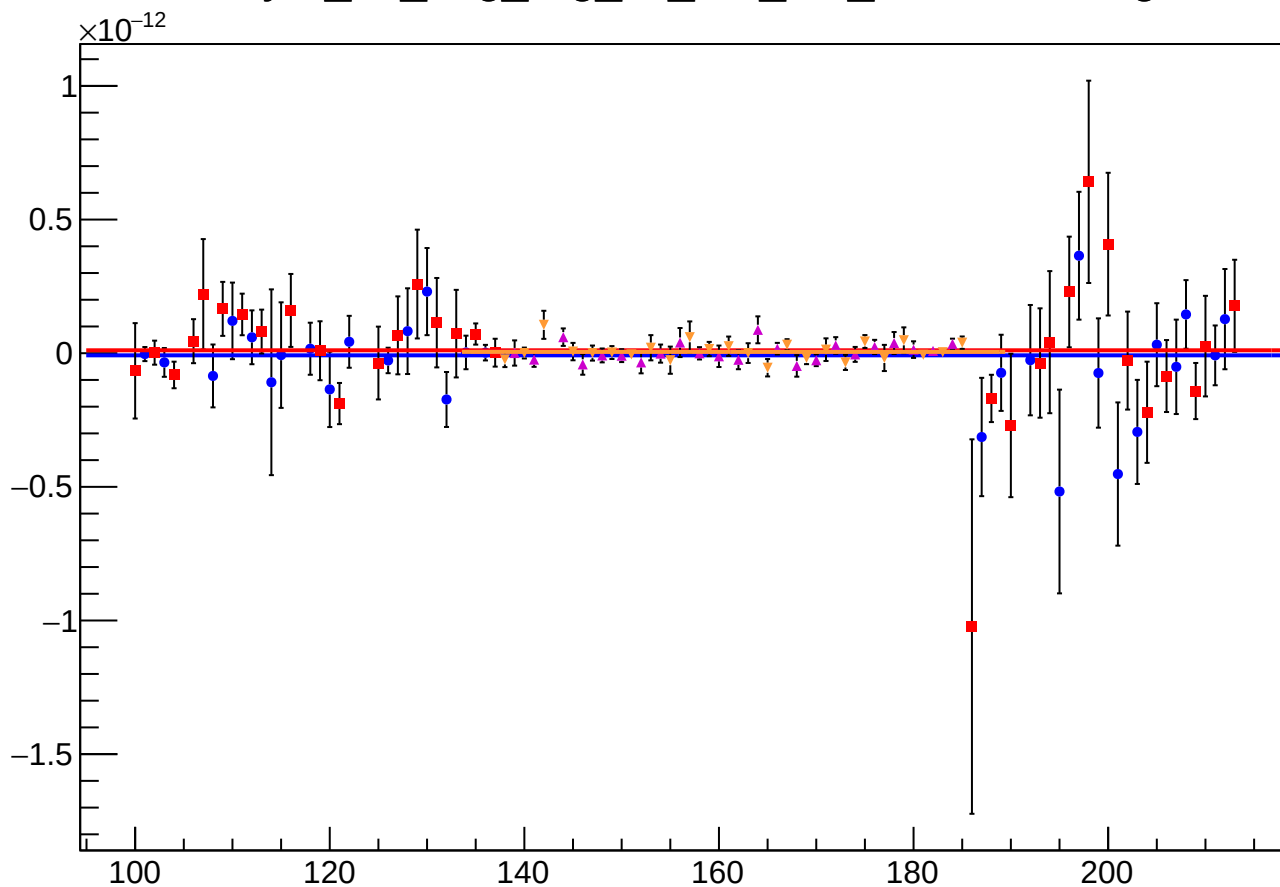
Left In: 1601.496+/-0.268 χ^2/NDF : 793722.6/22

+ sign 1612.681+/-0.193 χ^2/NDF : 1603882.3/52

All: 1622.810+/-0.136 χ^2/NDF : 3431424.3/10

- sign 1632.928+/-0.193 χ^2/NDF : 1822032.1/54

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 42.2/31

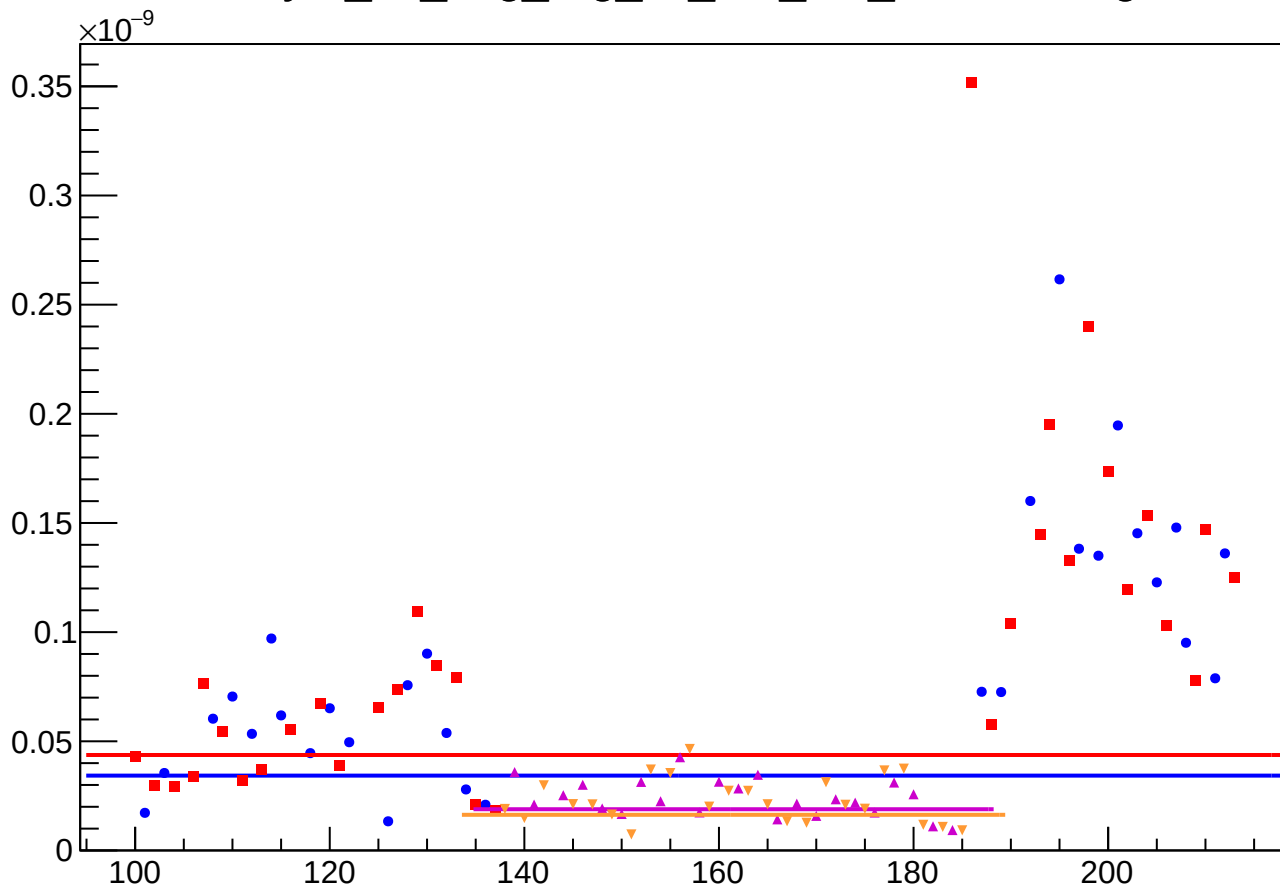
Left In: 0.000 ± 0.000 χ^2/NDF : 19.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 43.7/52

All: 0.000 ± 0.000 χ^2/NDF : 105.4/107

- sign 0.000 ± 0.000 χ^2/NDF : 61.6/54

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 9395335.8/28

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

Right Out: 0.000 +/- 0.000 χ^2/NDF : 8035662.8/31

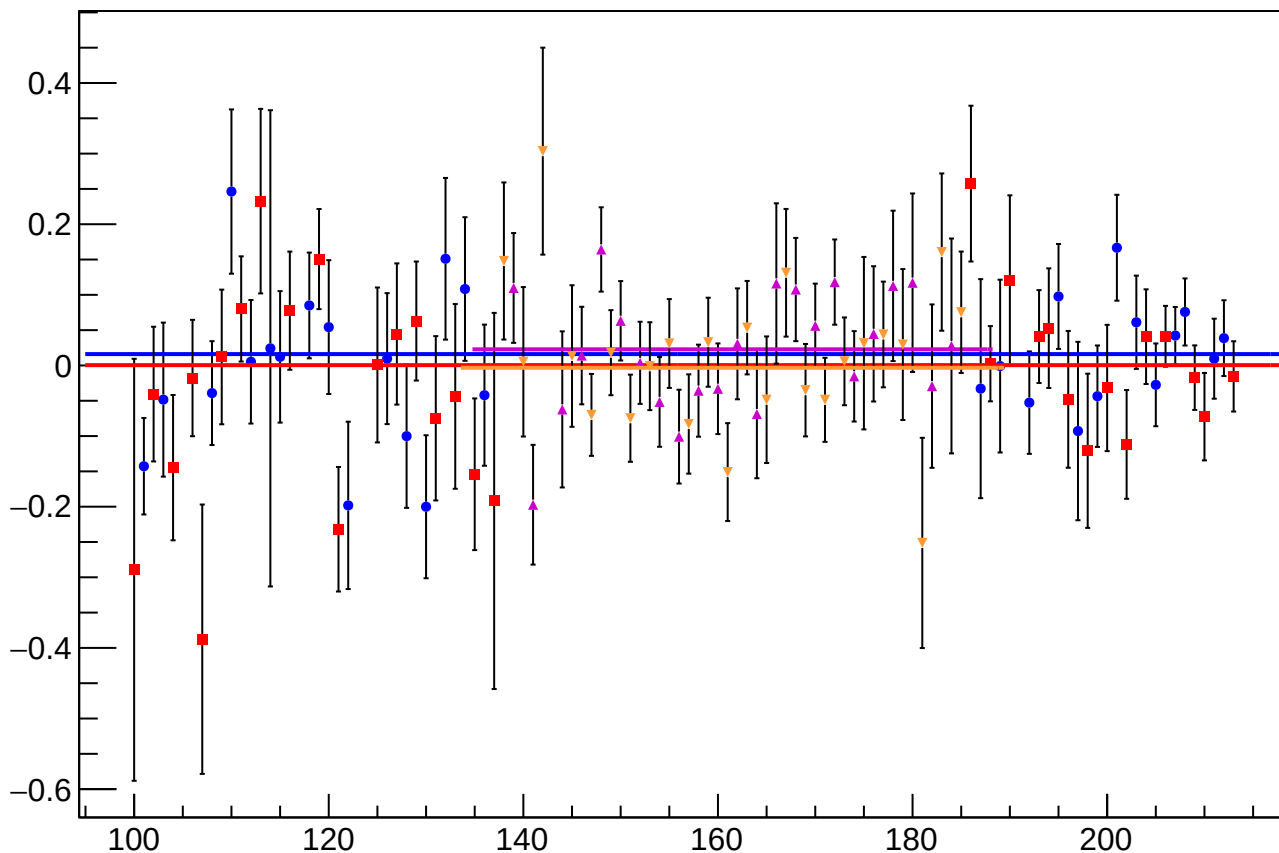
Left In: 0.000 +/- 0.000 χ^2/NDF : 3256130.1/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 16366904.1/52

All: 0.000 +/- 0.000 χ^2/NDF : 31877761.1/107

- sign 0.000 +/- 0.000 χ^2/NDF : 15172098.9/54

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 ± 0.014 χ^2/NDF : 33.8/28

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

Right Out: 0.000 ± 0.014 χ^2/NDF : 41.6/31

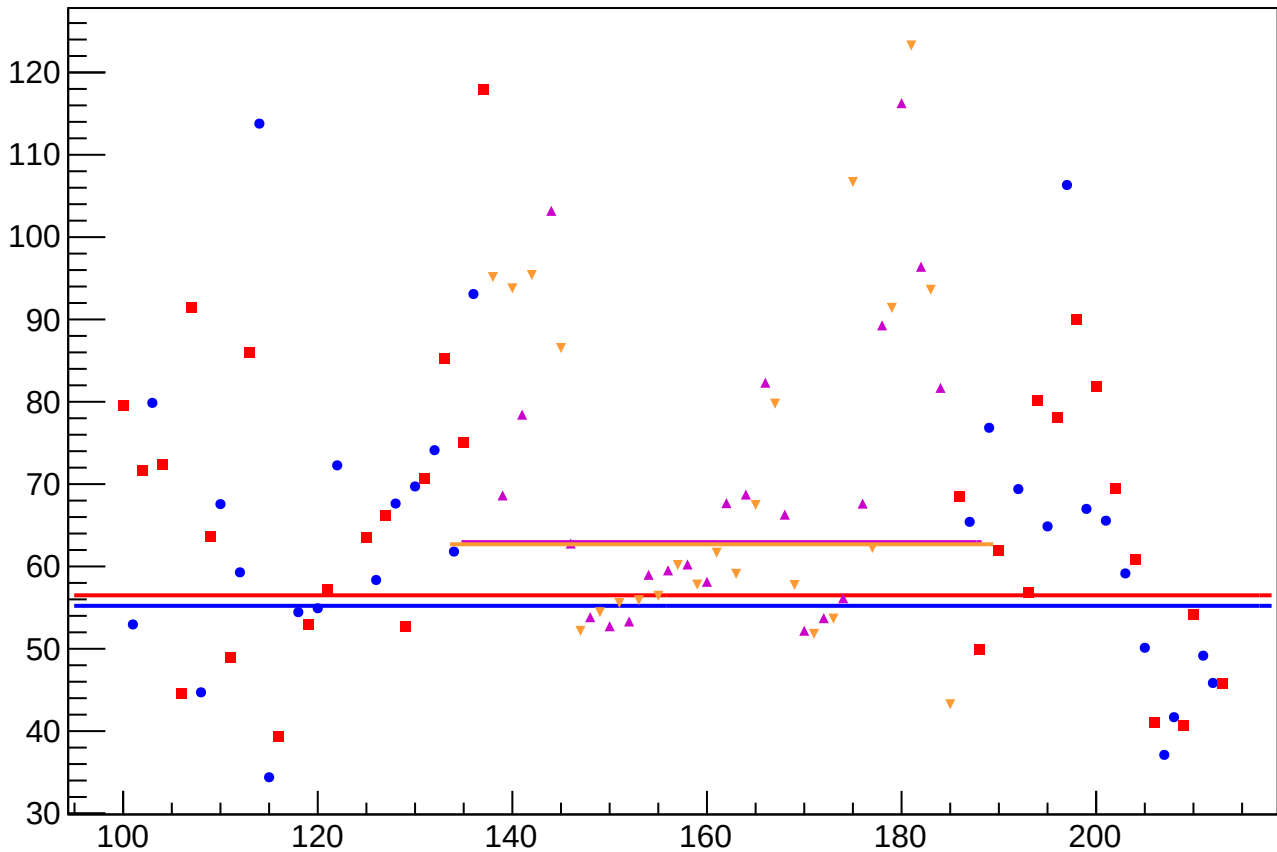
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign 0.007 ± 0.011 χ^2/NDF : 60.6/52

All: 0.009 ± 0.007 χ^2/NDF : 132.3/107

- sign 0.011 ± 0.010 χ^2/NDF : 71.7/54

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.219 $\pm$ 0.010 χ^2 /NDF: 2065475.8/28

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939401.0/23

Right Out: 56.496 $\pm$ 0.010 χ^2 /NDF: 2087088.9/31

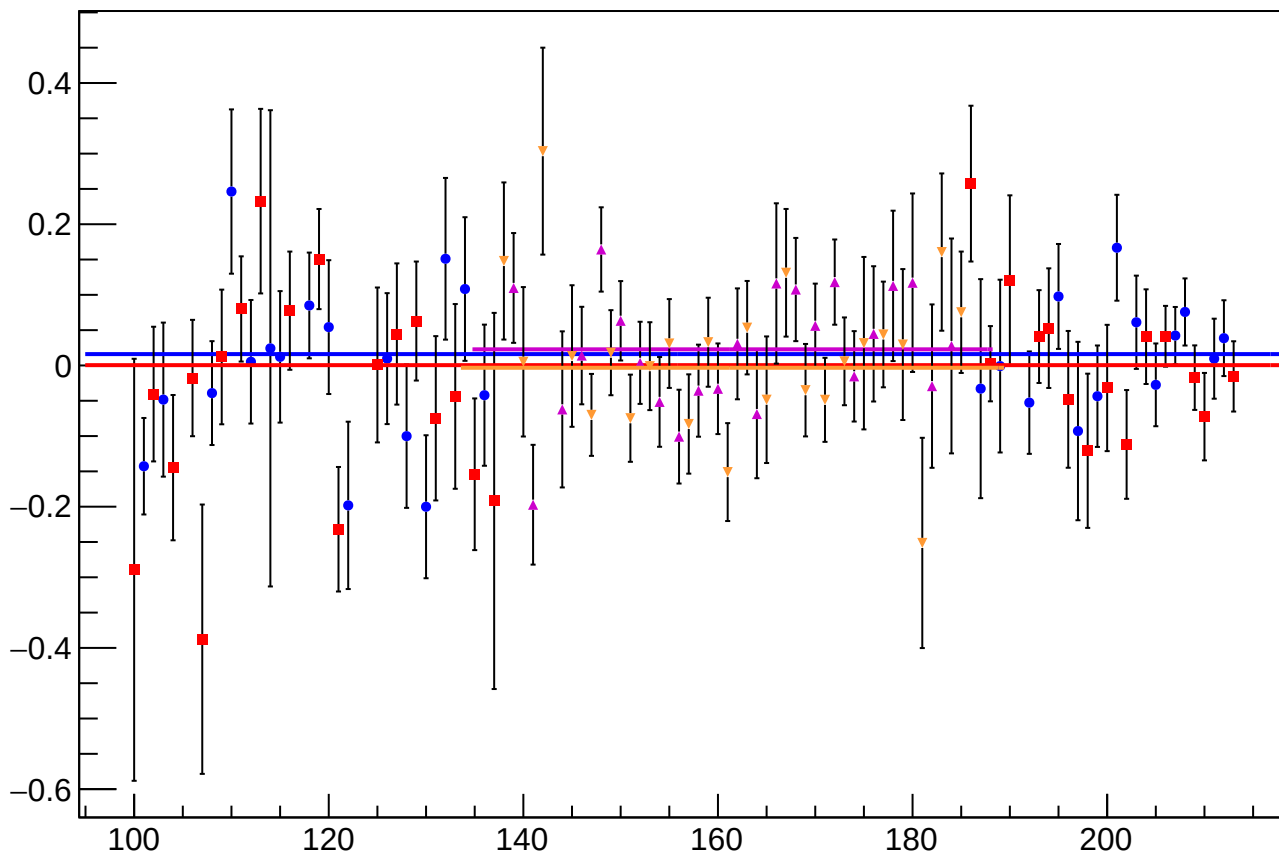
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430426.1/22

+ sign 58.654 $\pm$ 0.007 χ^2 /NDF: 4256625.3/52

All: 59.041 $\pm$ 0.005 χ^2 /NDF: 7969696.2/107

- sign 59.422 $\pm$ 0.007 χ^2 /NDF: 3707680.1/54

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.014 χ^2 /NDF: 33.8/28

Left Out: -0.003 $\pm$ 0.015 χ^2 /NDF: 25.9/23

Right Out: 0.000 $\pm$ 0.014 χ^2 /NDF: 41.6/31

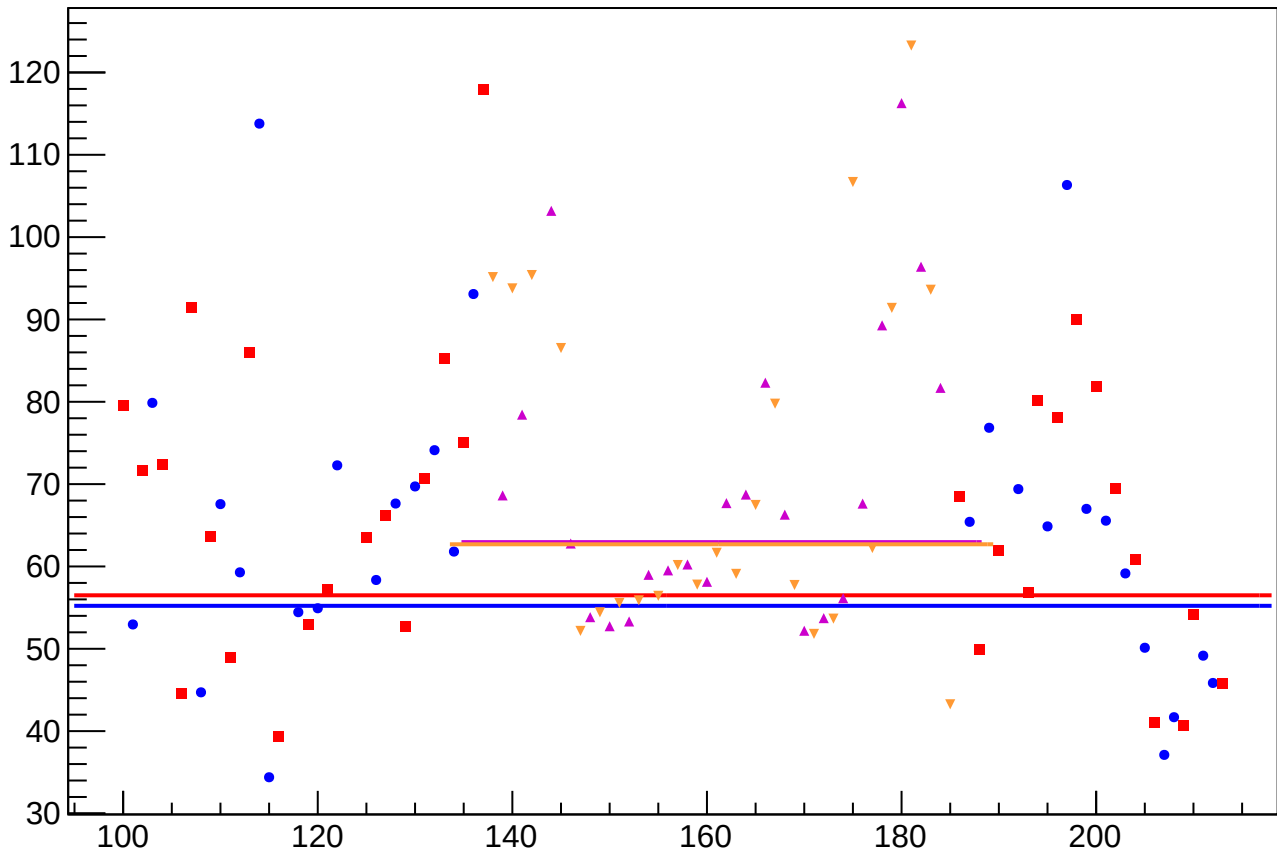
Left In: 0.023 $\pm$ 0.015 χ^2 /NDF: 29.0/22

+ sign 0.007 $\pm$ 0.011 χ^2 /NDF: 60.6/52

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 132.3/107

- sign 0.011 $\pm$ 0.010 χ^2 /NDF: 71.7/54

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.219+/-0.010 χ^2/NDF : 2065475.8/28

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

Right Out: 56.496+/-0.010 χ^2/NDF : 2087088.9/31

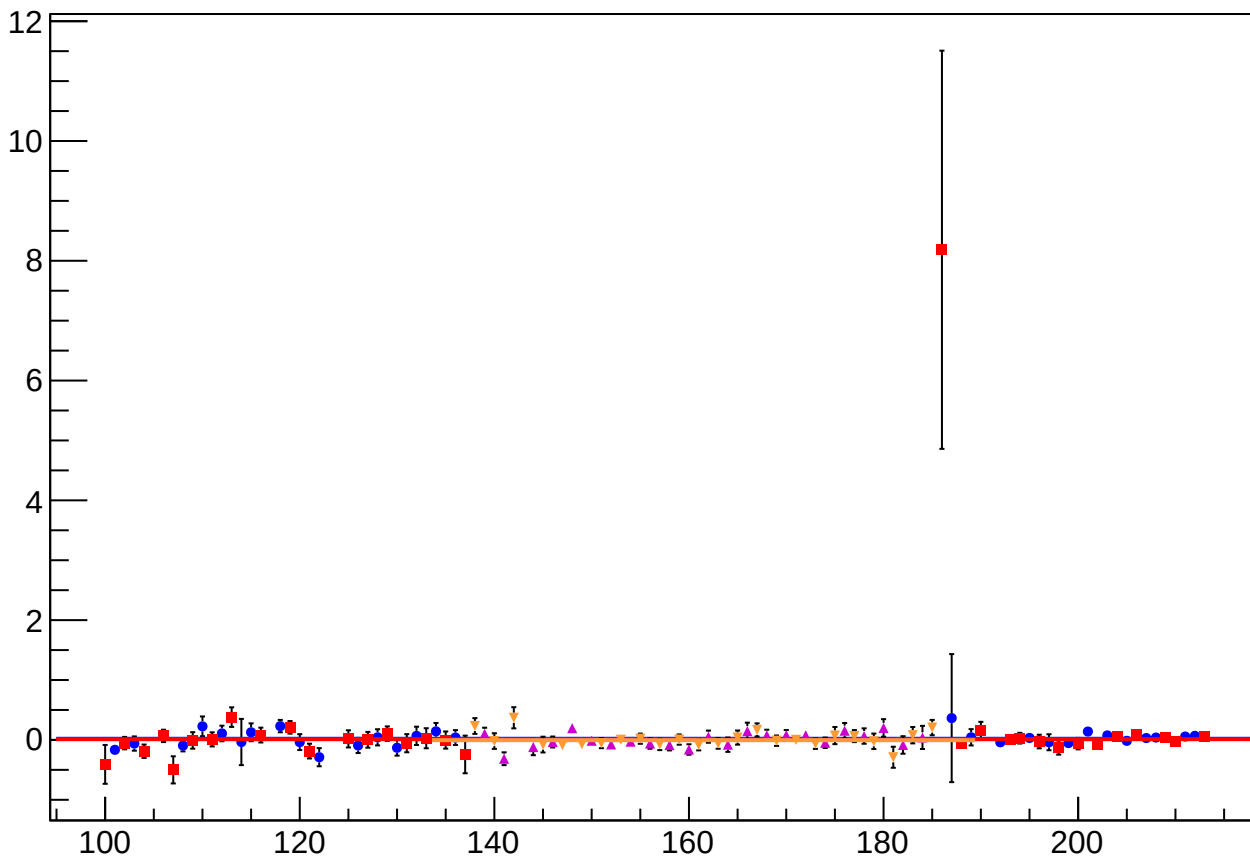
Left In: 62.956+/-0.011 χ^2/NDF :1430426.1/22

+ sign 58.654+/-0.007 χ^2/NDF : 4256625.3/52

All: 59.041+/-0.005 χ^2/NDF : 7969696.2/107

- sign 59.422+/-0.007 χ^2/NDF : 3707680.1/54

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.019+/-0.018 χ^2/NDF : 26.7/28

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

Right Out: 0.012+/-0.018 χ^2/NDF : 38.9/31

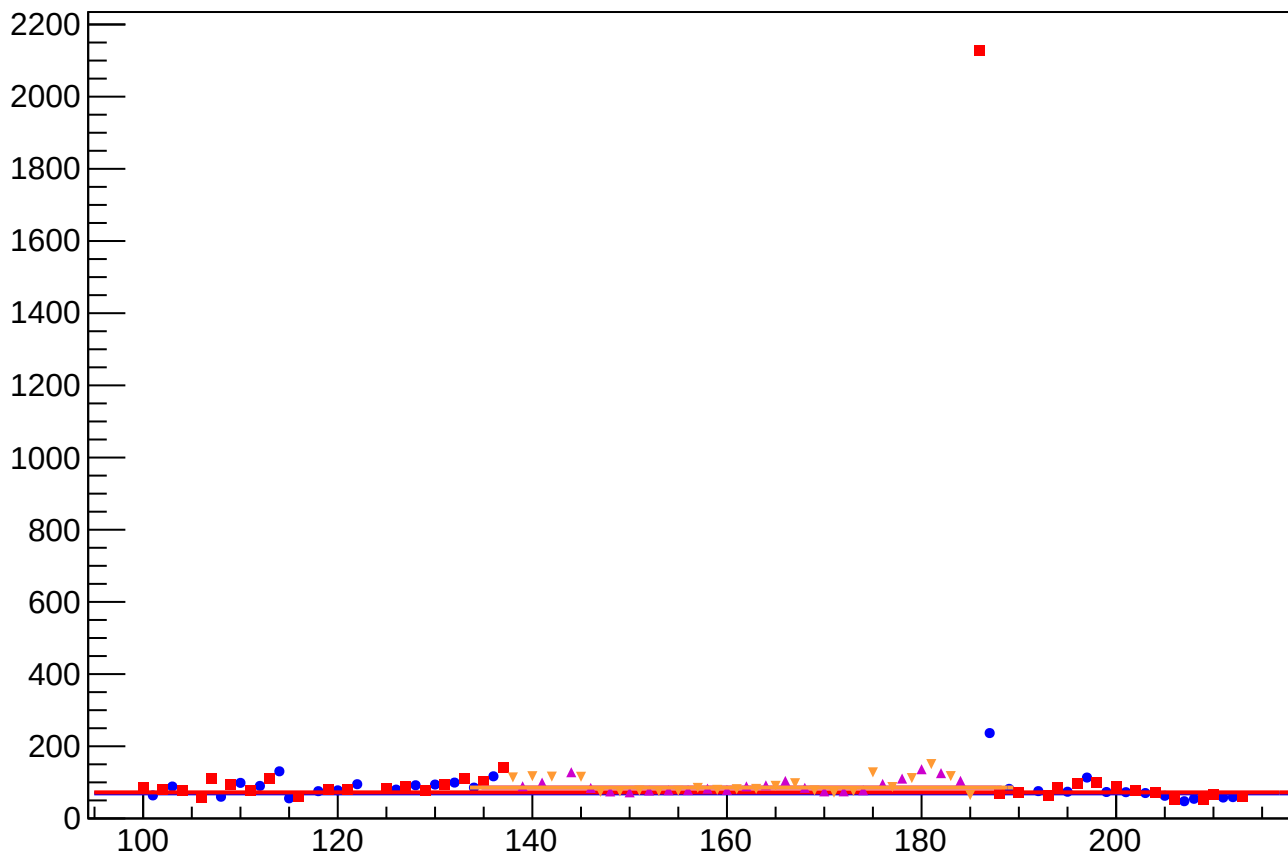
Left In: -0.002+/-0.021 χ^2/NDF : 30.5/22

+ sign 0.009+/-0.013 χ^2/NDF : 48.8/52

All: 0.008+/-0.010 χ^2/NDF : 118.5/107

- sign 0.006+/-0.014 χ^2/NDF : 69.7/54

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 69.501 $\pm$ 0.013 χ^2 /NDF: 1765726.0/28

Left Out: 85.650 $\pm$ 0.015 χ^2 /NDF: 1352748.5/23

Right Out: 72.281 $\pm$ 0.013 χ^2 /NDF: 2310048.9/31

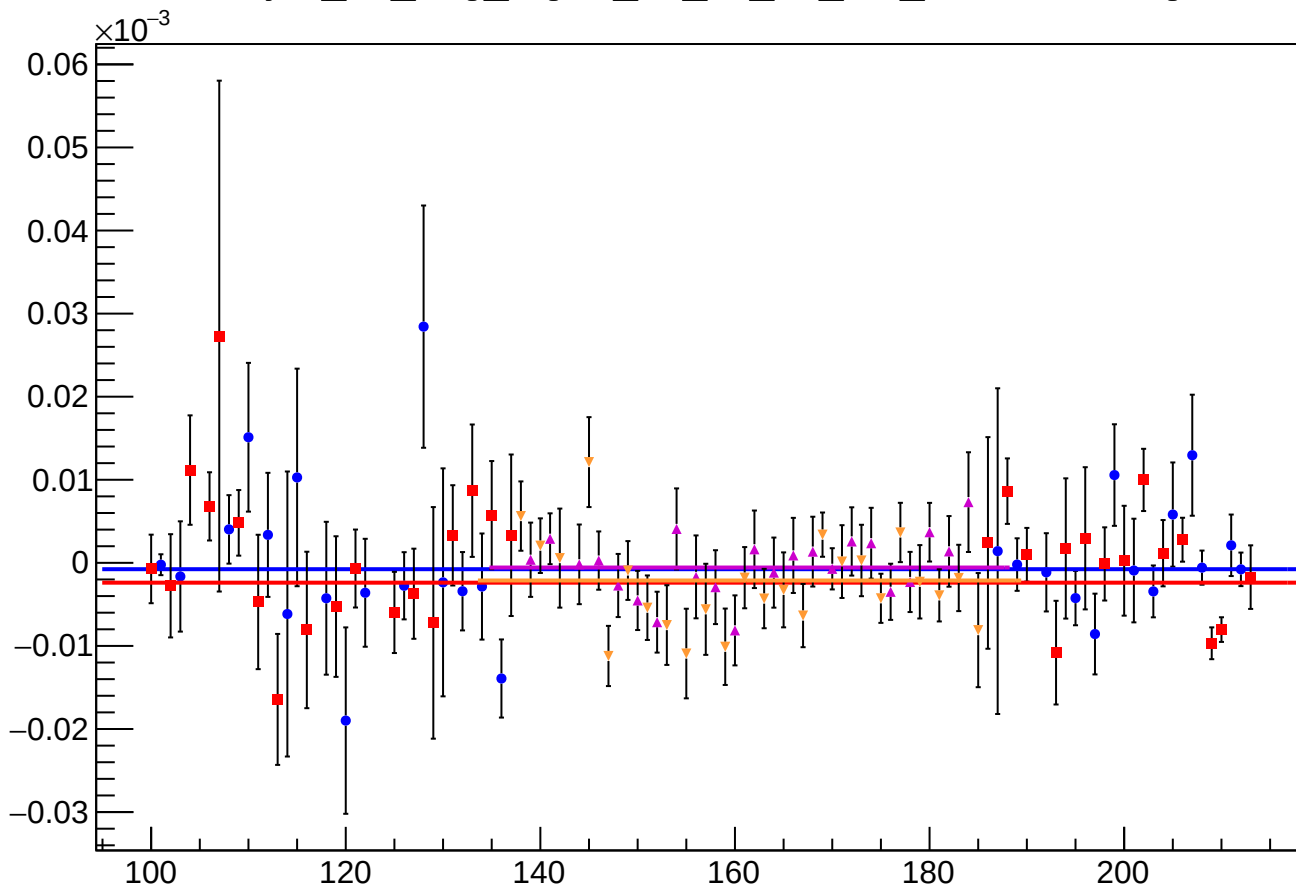
Left In: 85.679 $\pm$ 0.015 χ^2 /NDF: 995870.4/22

+ sign 76.349 $\pm$ 0.010 χ^2 /NDF: 3820860.1/52

All: 77.170 $\pm$ 0.007 χ^2 /NDF: 7623114.4/107

- sign 77.997 $\pm$ 0.010 χ^2 /NDF: 3787327.7/54

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.5/28

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

Right Out: -0.000 ± 0.000 χ^2/NDF : 79.4/31

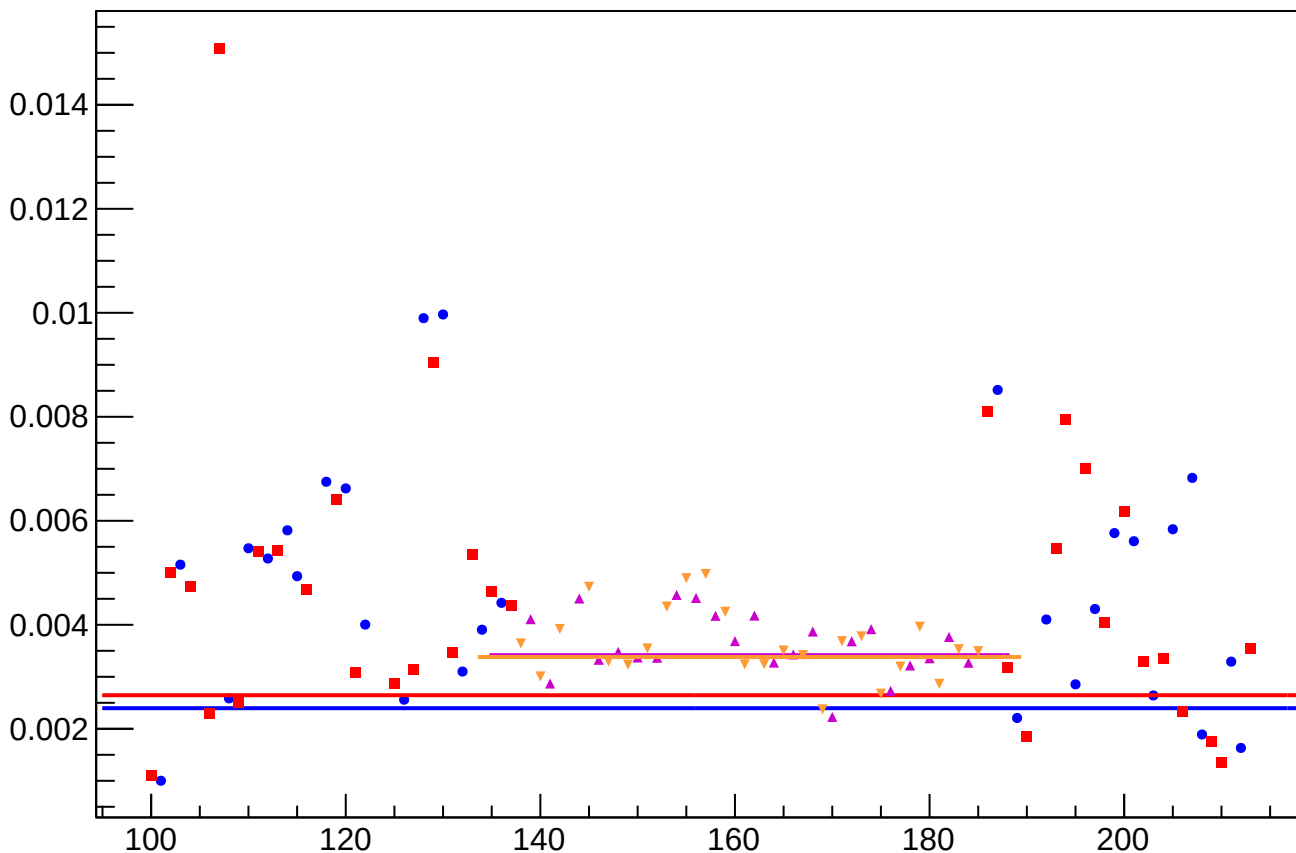
Left In: -0.000 ± 0.000 χ^2/NDF : 16.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.5/52

All: -0.000 ± 0.000 χ^2/NDF : 172.4/107

- sign -0.000 ± 0.000 χ^2/NDF : 98.8/54

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 9854572.0/28

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

Right Out: 0.003 ± 0.000 χ^2/NDF : 8293593.1/31

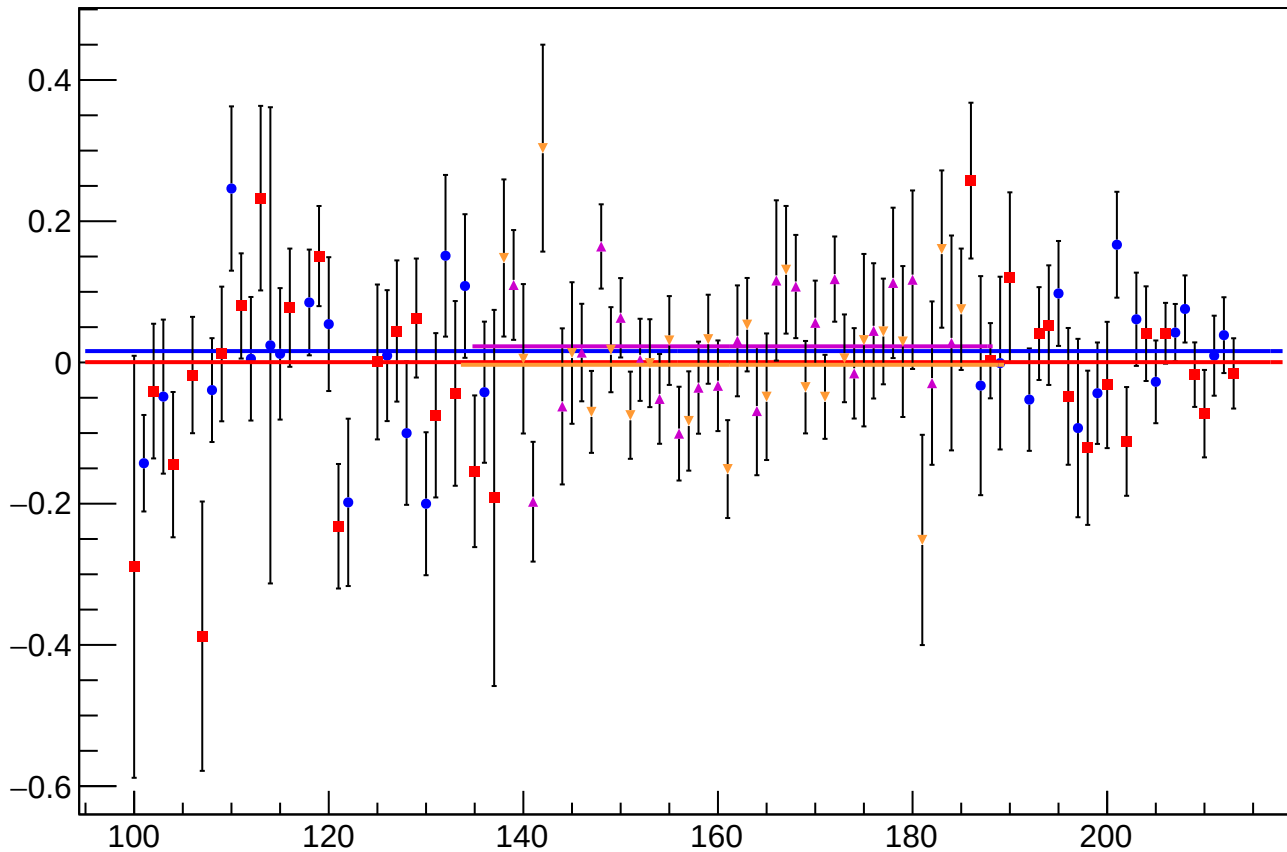
Left In: 0.003 ± 0.000 χ^2/NDF : 1170356.5/22

+ sign 0.003 ± 0.000 χ^2/NDF : 12743742.7/52

All: 0.003 ± 0.000 χ^2/NDF : 23292561.3/107

- sign 0.003 ± 0.000 χ^2/NDF : 10450704.4/54

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 ± 0.014 χ^2/NDF : 33.8/28

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

Right Out: 0.000 ± 0.014 χ^2/NDF : 41.6/31

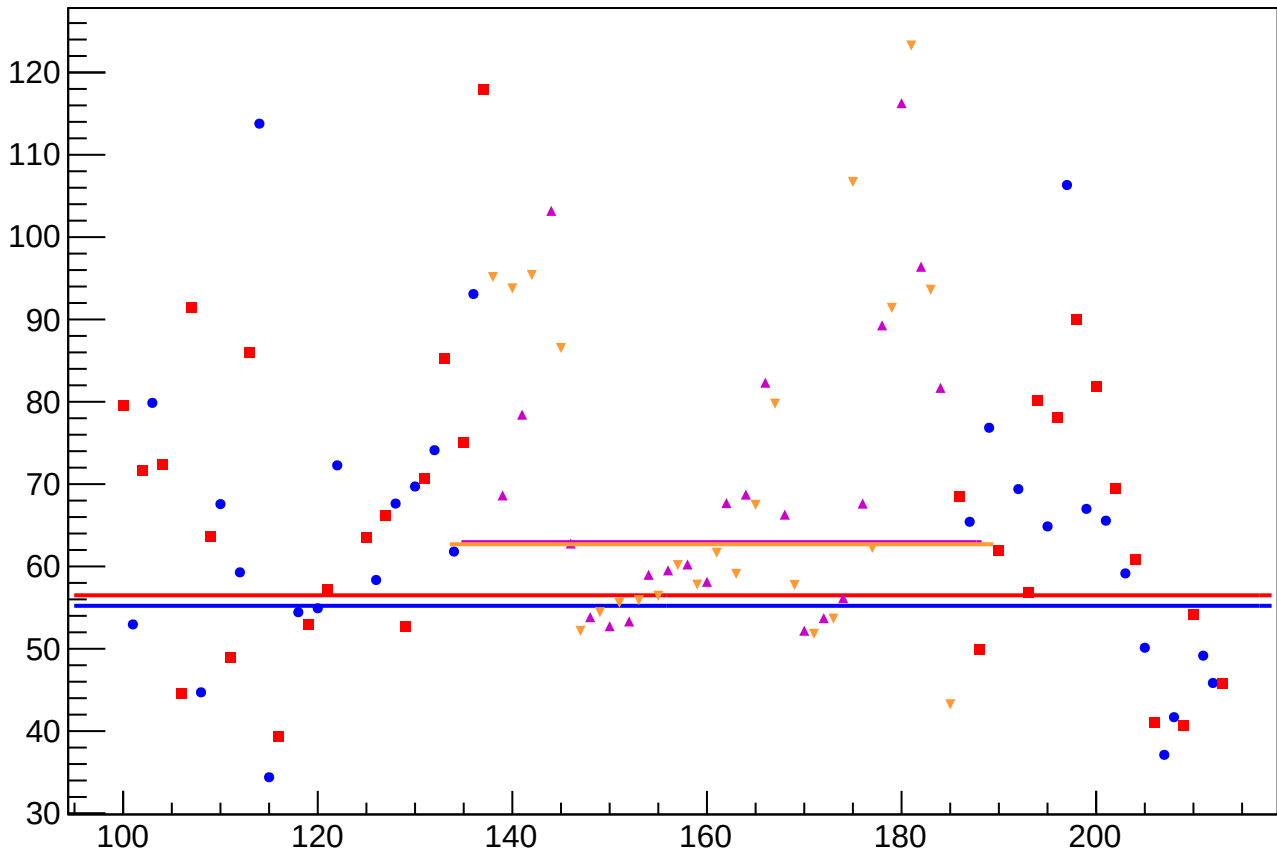
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign 0.007 ± 0.011 χ^2/NDF : 60.6/52

All: 0.009 ± 0.007 χ^2/NDF : 132.3/107

- sign 0.011 ± 0.010 χ^2/NDF : 71.7/54

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.219+/-0.010 χ^2/NDF : 2065340.4/28

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

Right Out: 56.496+/-0.010 χ^2/NDF : 2086908.6/31

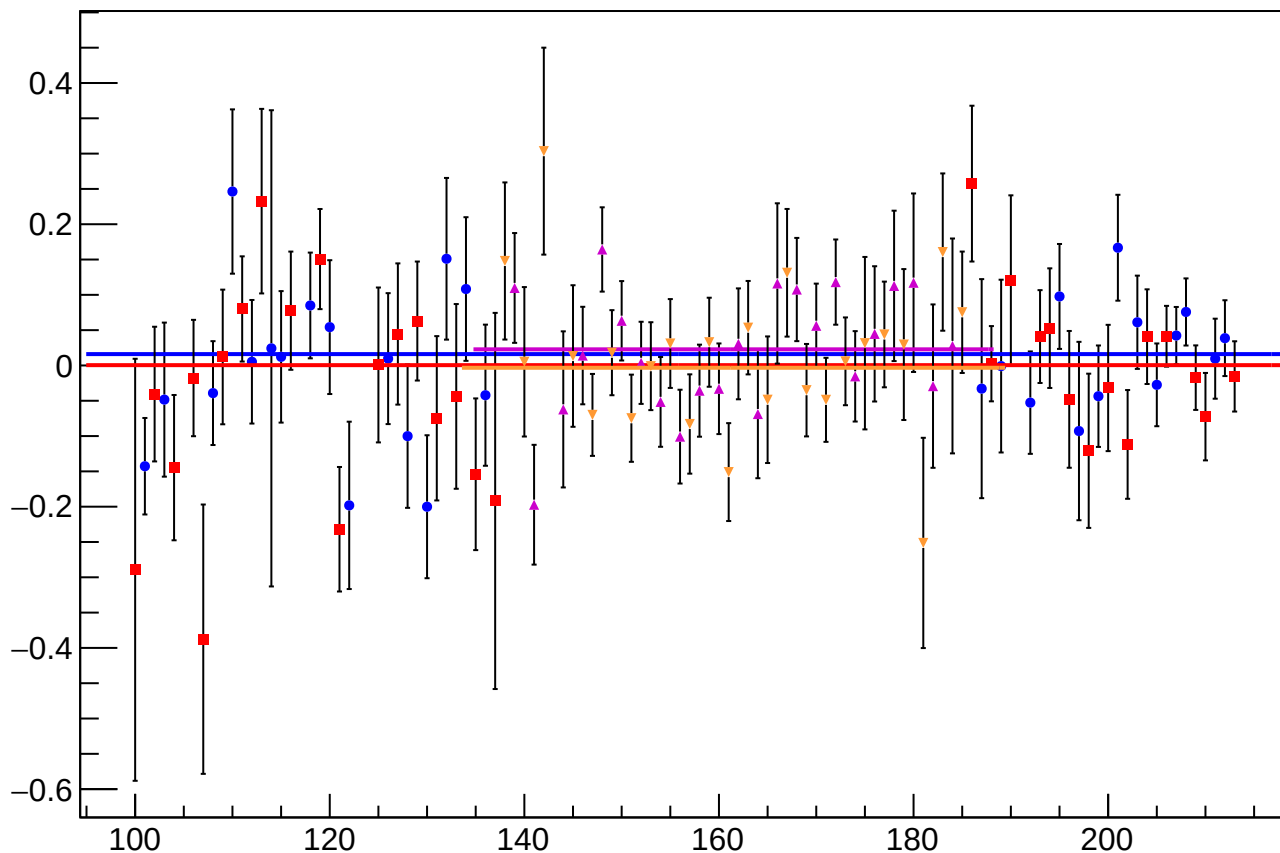
Left In: 62.956+/-0.011 χ^2/NDF :1430401.4/22

+ sign 58.654+/-0.007 χ^2/NDF : 4256488.6/52

All: 59.041+/-0.005 χ^2/NDF : 7969384.9/107

- sign 59.422+/-0.007 χ^2/NDF : 3707509.4/54

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.014 χ^2 /NDF: 33.8/28

Left Out: -0.003 $\pm$ 0.015 χ^2 /NDF: 25.9/23

Right Out: 0.000 $\pm$ 0.014 χ^2 /NDF: 41.6/31

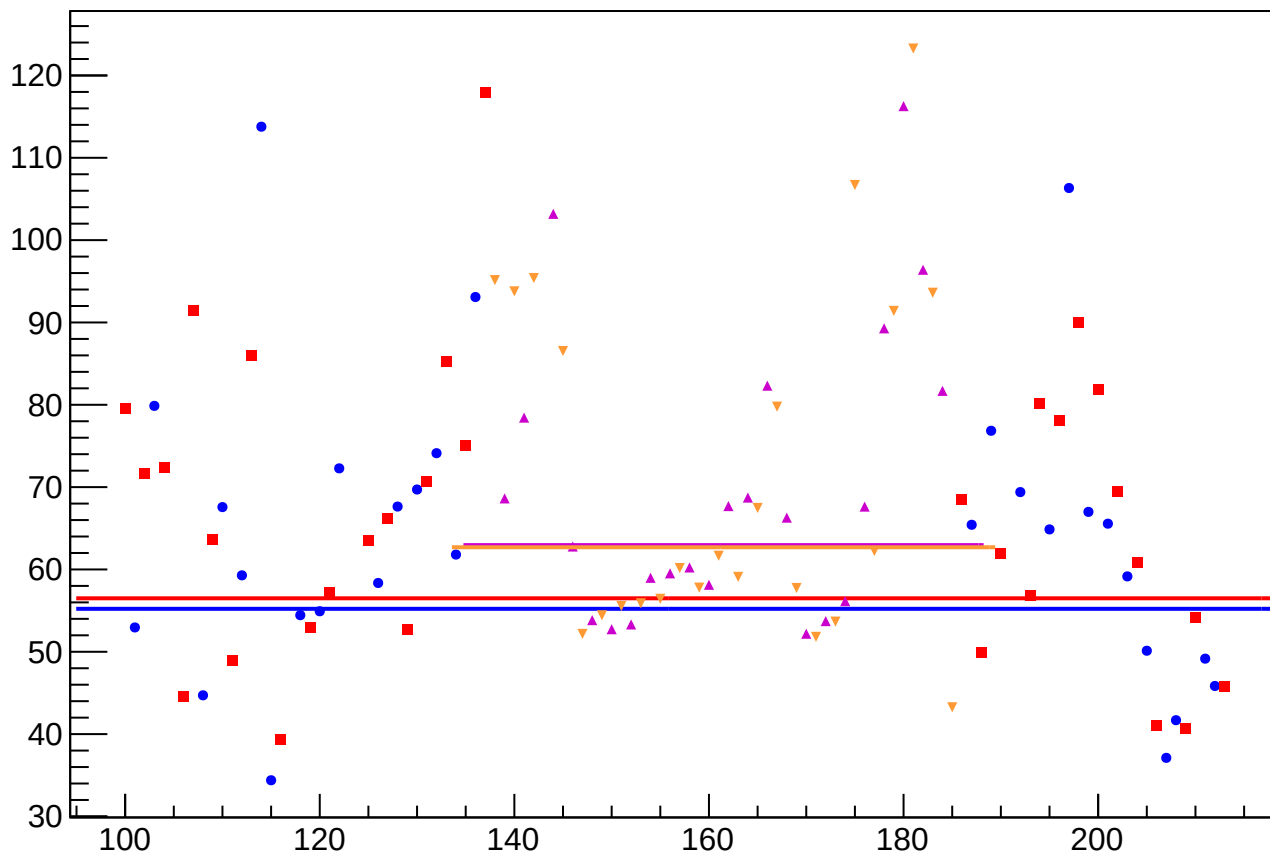
Left In: 0.023 $\pm$ 0.015 χ^2 /NDF: 29.0/22

+ sign 0.007 $\pm$ 0.011 χ^2 /NDF: 60.6/52

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 132.3/107

- sign 0.011 $\pm$ 0.010 χ^2 /NDF: 71.7/54

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.219+/-0.010 χ^2/NDF : 2065340.4/28

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

Right Out: 56.496+/-0.010 χ^2/NDF : 2086908.6/31

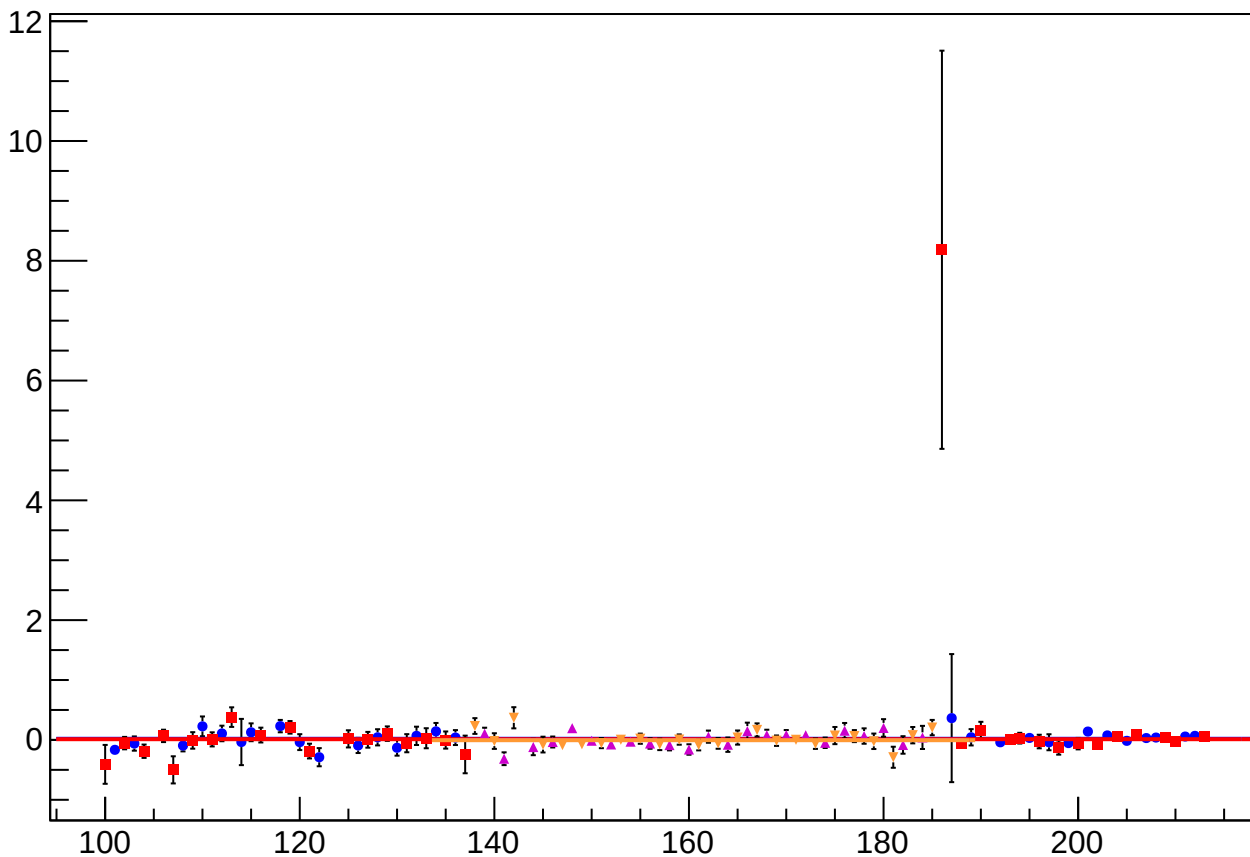
Left In: 62.956+/-0.011 χ^2/NDF :1430401.4/22

+ sign 58.654+/-0.007 χ^2/NDF : 4256488.6/52

All: 59.041+/-0.005 χ^2/NDF : 7969384.9/107

- sign 59.422+/-0.007 χ^2/NDF : 3707509.4/54

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.019 ± 0.018 χ^2/NDF : 26.7/28

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

Right Out: 0.012 ± 0.018 χ^2/NDF : 38.9/31

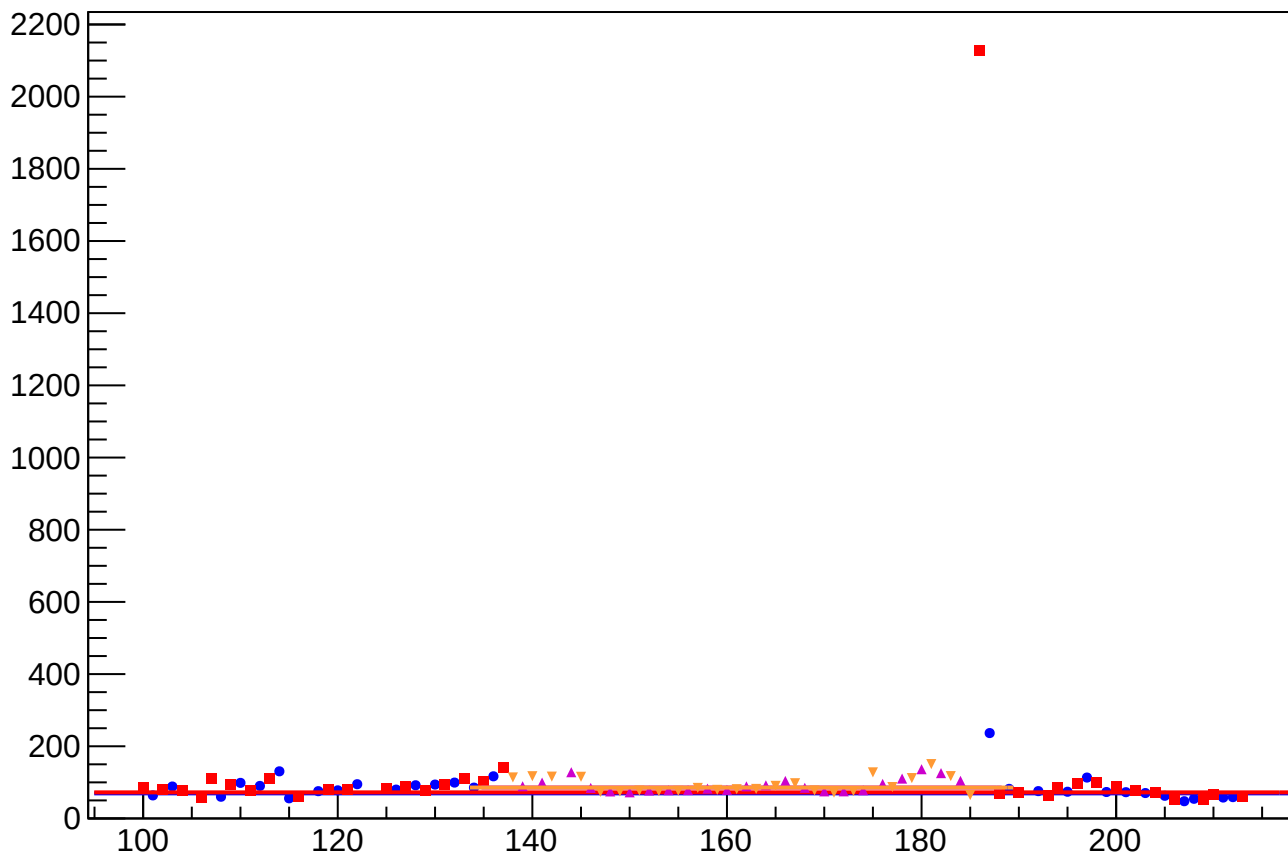
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign 0.009 ± 0.013 χ^2/NDF : 48.8/52

All: 0.008 ± 0.010 χ^2/NDF : 118.5/107

- sign 0.006 ± 0.014 χ^2/NDF : 69.7/54

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 69.501+/-0.013 χ^2/NDF : 1765598.2/28

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

Right Out: 72.281+/-0.013 χ^2/NDF : 2309947.7/31

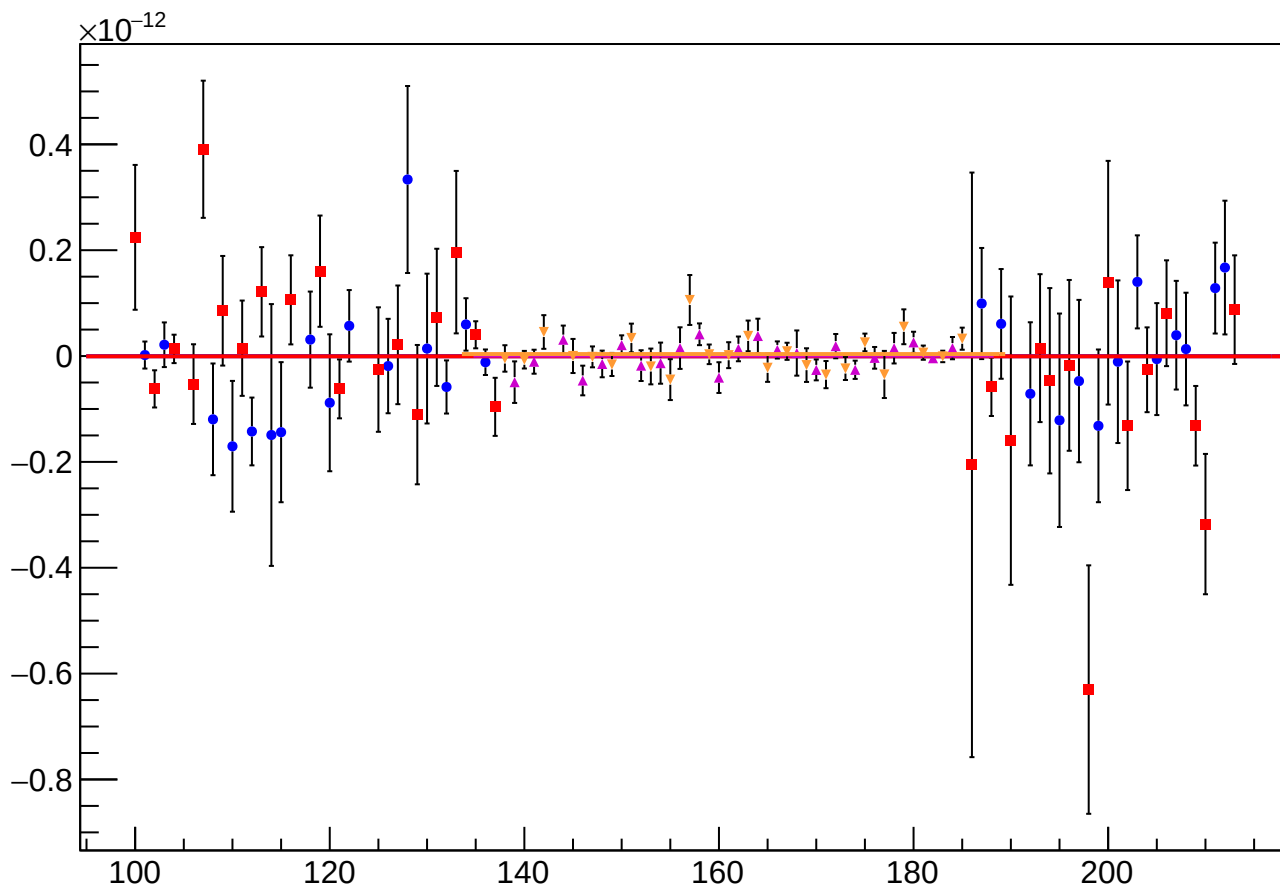
Left In: 85.679+/-0.015 χ^2/NDF : 995860.8/22

+ sign 76.349+/-0.010 χ^2/NDF : 3820727.4/52

All: 77.170+/-0.007 χ^2/NDF : 7622894.1/107

- sign 77.997+/-0.010 χ^2/NDF : 3787245.0/54

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 27.4/28$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 25.0/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 52.6/31$

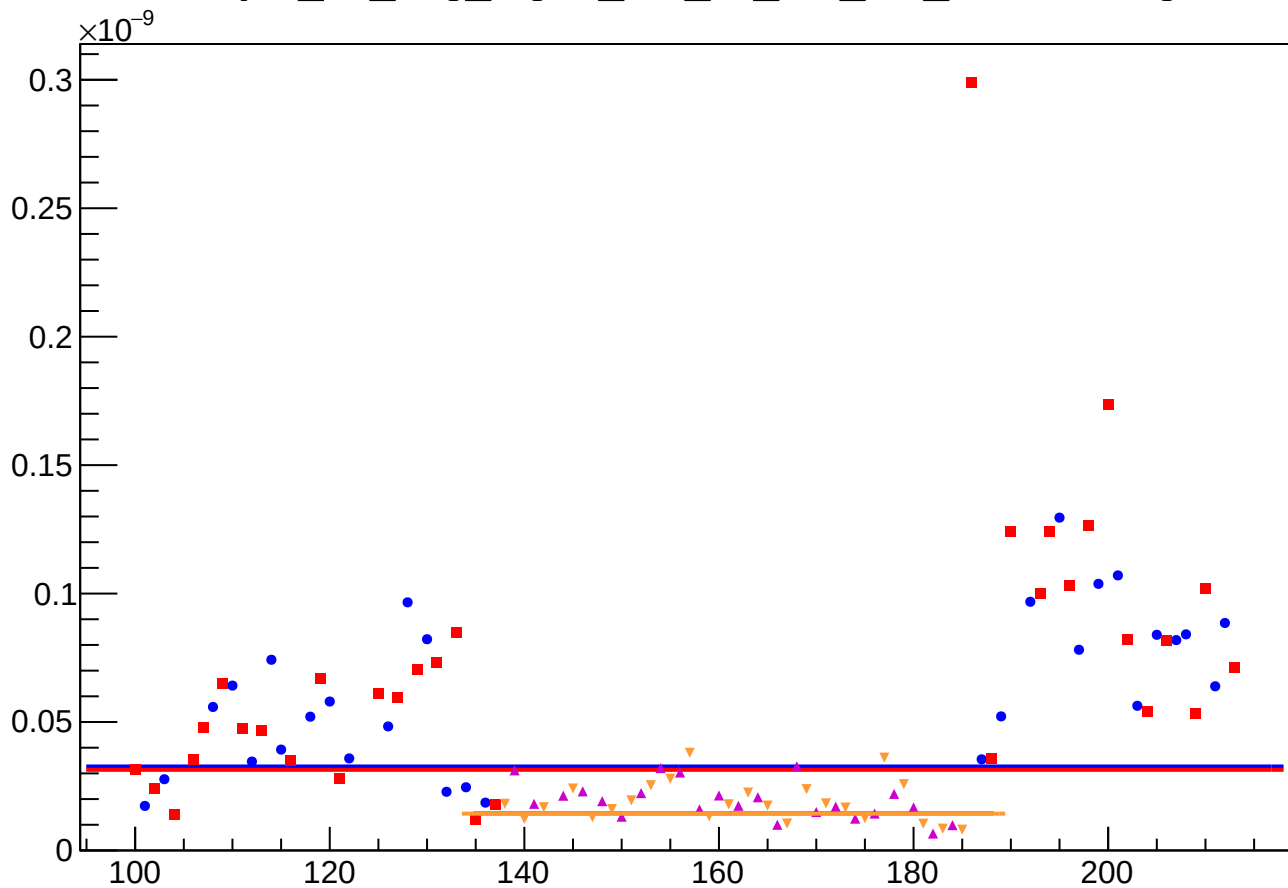
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 23.6/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 52.5/52$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 128.9/107$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 76.2/54$

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6900356.1/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 3611096.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 8988430.7/31

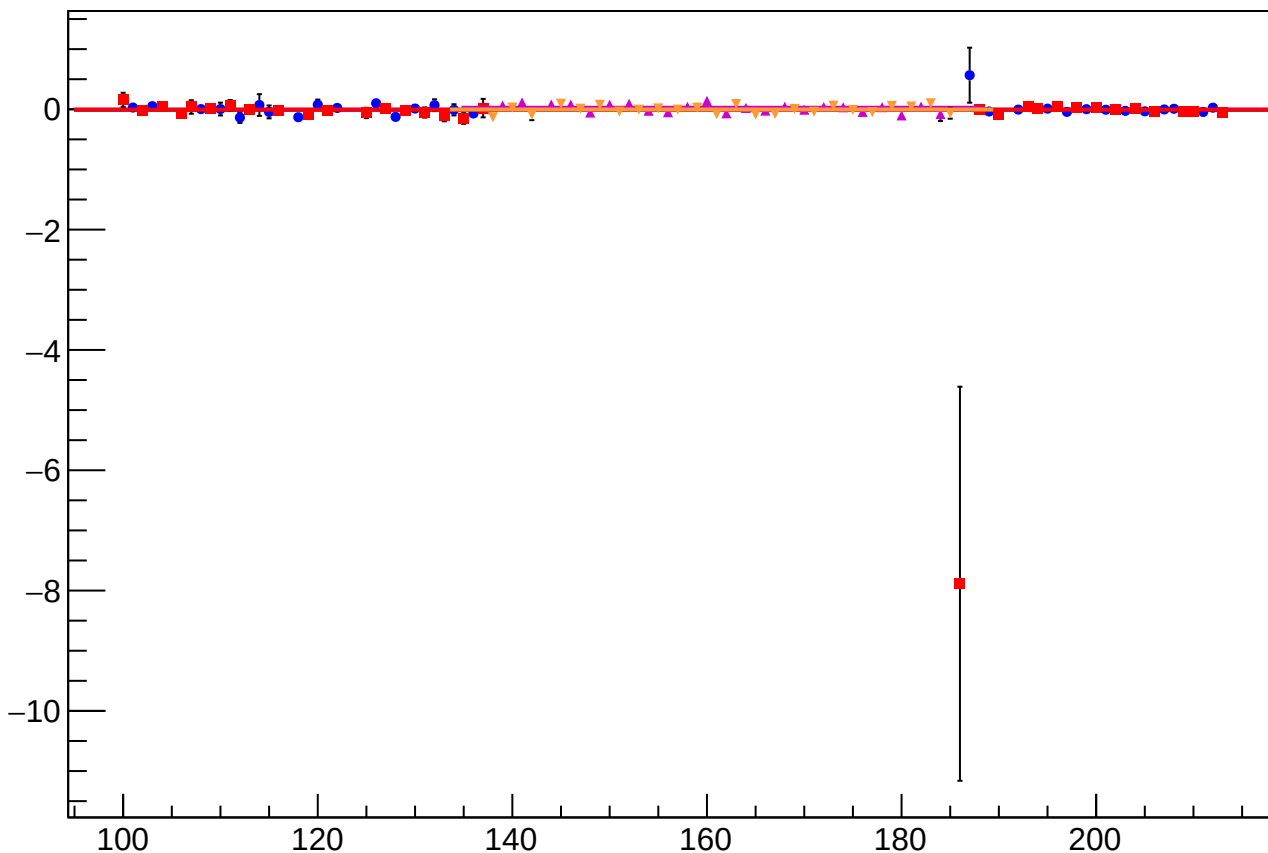
Left In: 0.000 ± 0.000 χ^2/NDF : 4256069.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 14512700.5/52

All: 0.000 ± 0.000 χ^2/NDF : 31178544.9/107

- sign 0.000 ± 0.000 χ^2/NDF : 16665818.8/54

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 23.4/28

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

Right Out: -0.006 ± 0.008 χ^2/NDF : 36.3/31

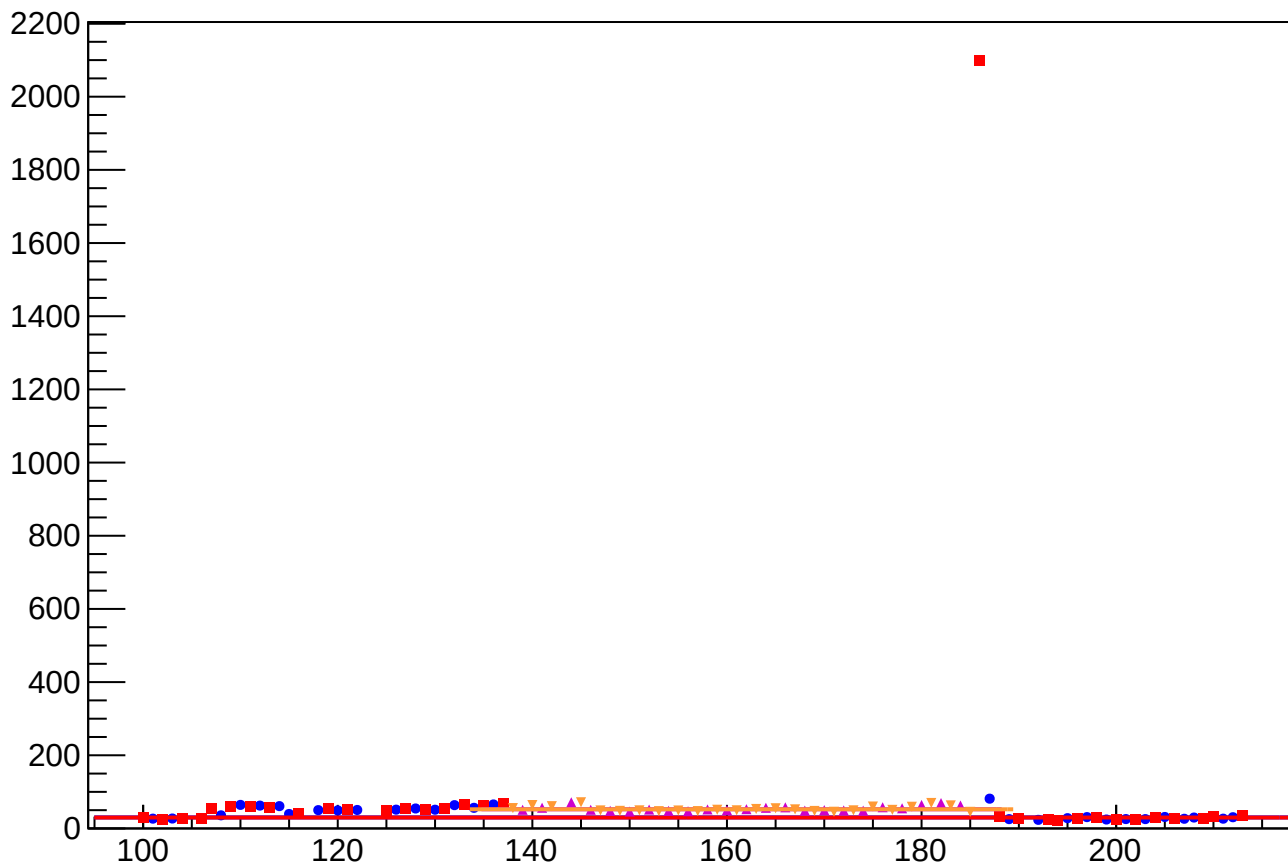
Left In: 0.025 ± 0.013 χ^2/NDF : 24.3/22

+ sign -0.006 ± 0.007 χ^2/NDF : 46.6/52

All: -0.002 ± 0.005 χ^2/NDF : 112.8/107

- sign 0.002 ± 0.006 χ^2/NDF : 65.4/54

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.182+/-0.006 χ^2/NDF : 2863862.2/28

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

Right Out: 29.835+/-0.005 χ^2/NDF : 3875857.3/31

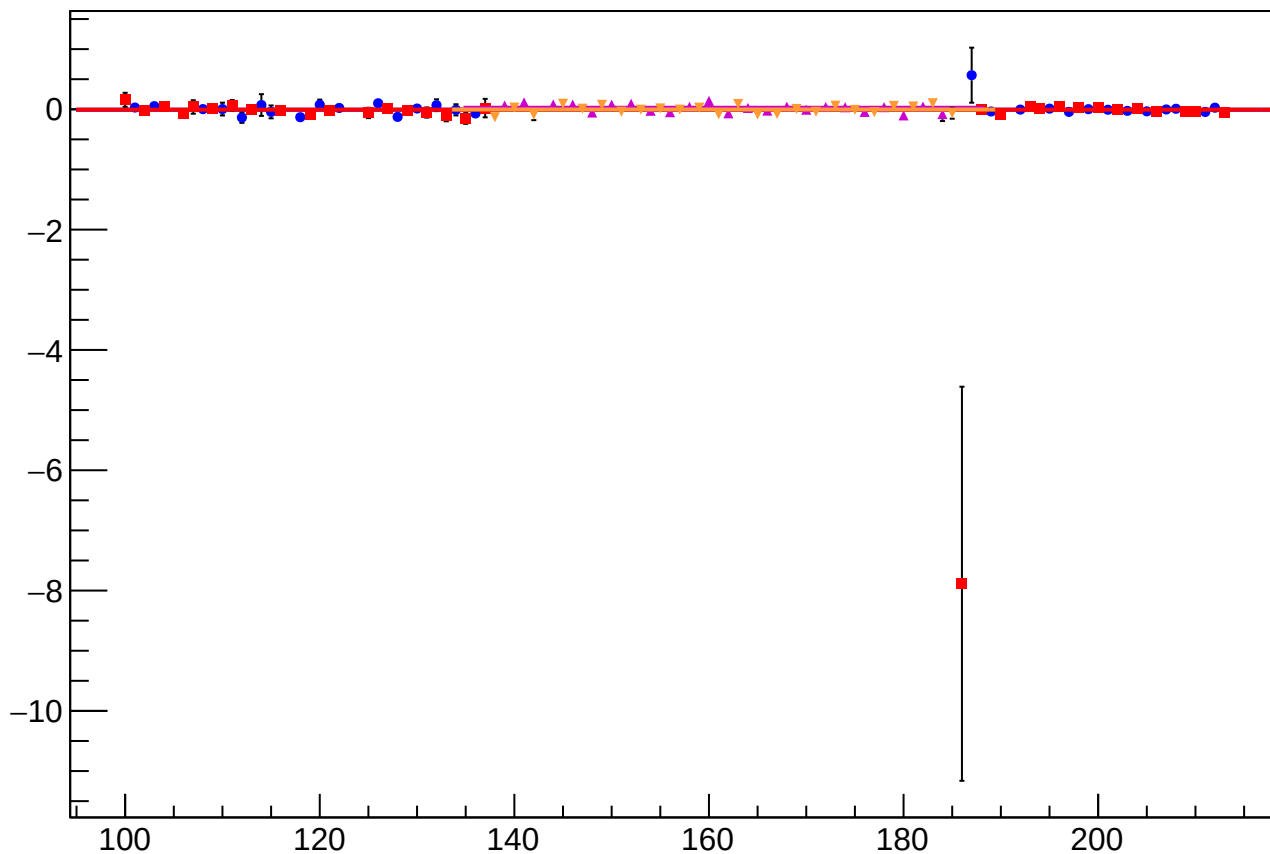
Left In: 52.484+/-0.009 χ^2/NDF : 445297.7/22

+ sign 36.489+/-0.005 χ^2/NDF : 7951579.1/52

All: 36.187+/-0.003 χ^2/NDF : 17080025.4/107

- sign 35.898+/-0.005 χ^2/NDF : 9120296.4/54

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 23.4/28

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

Right Out: -0.006 ± 0.008 χ^2/NDF : 36.3/31

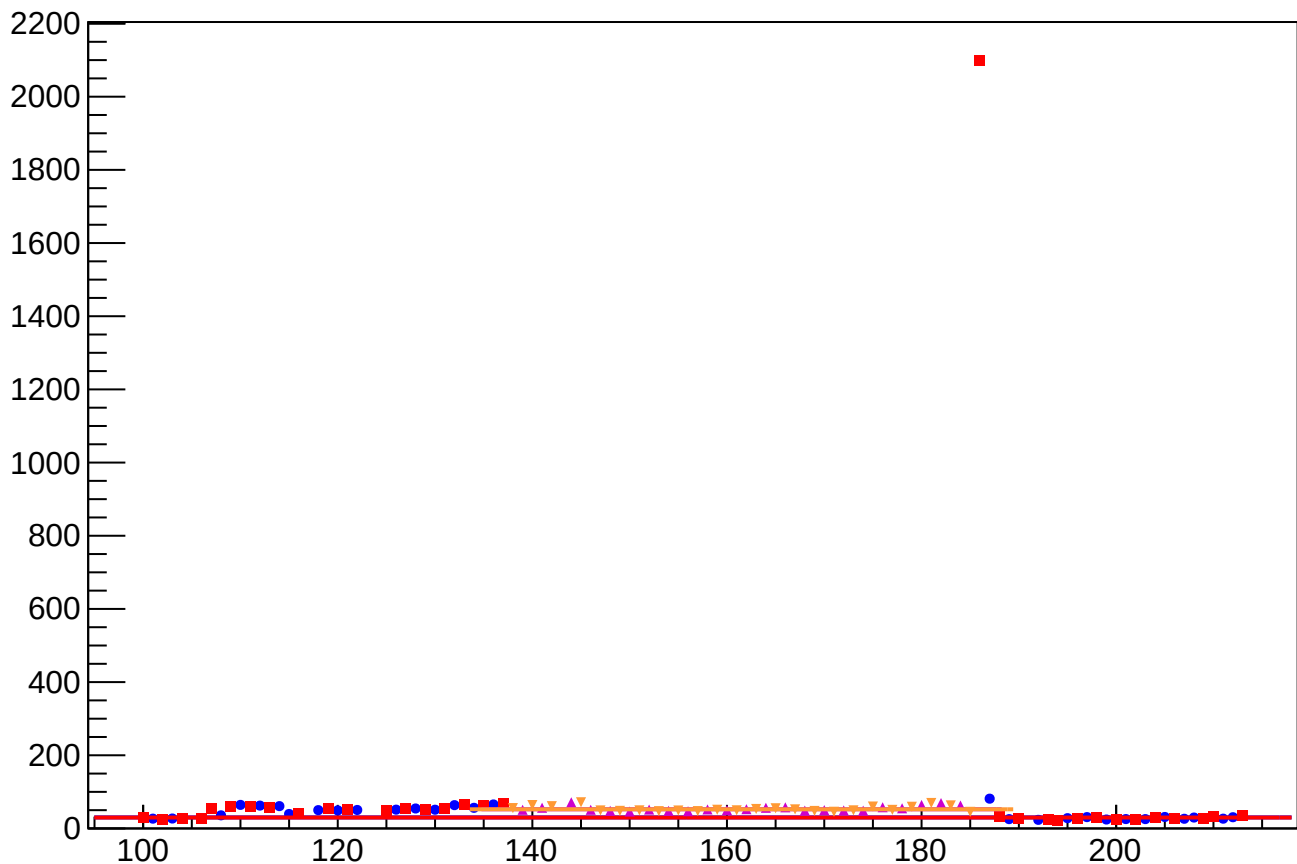
Left In: 0.025 ± 0.013 χ^2/NDF : 24.3/22

+ sign -0.006 ± 0.007 χ^2/NDF : 46.6/52

All: -0.002 ± 0.005 χ^2/NDF : 112.8/107

- sign 0.002 ± 0.006 χ^2/NDF : 65.4/54

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.182 $\pm$ 0.006 χ^2 /NDF: 2863862.2/28

Left Out: 52.367 $\pm$ 0.009 χ^2 /NDF: 522031.5/23

Right Out: 29.835 $\pm$ 0.005 χ^2 /NDF: 3875857.3/31

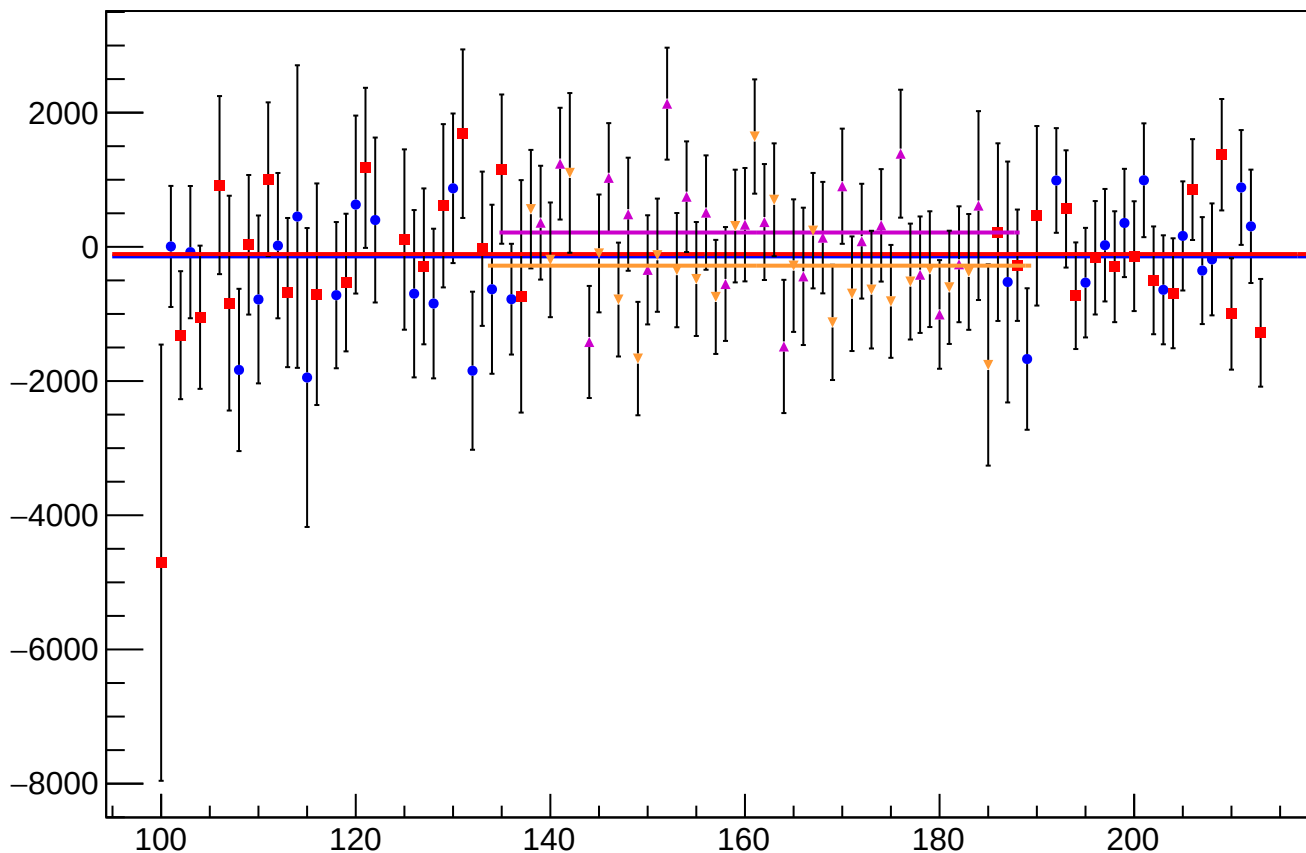
Left In: 52.484 $\pm$ 0.009 χ^2 /NDF: 445297.7/22

+ sign 36.489 $\pm$ 0.005 χ^2 /NDF: 7951579.1/52

All: 36.187 $\pm$ 0.003 χ^2 /NDF: 17080025.4/107

- sign 35.898 $\pm$ 0.005 χ^2 /NDF: 9120296.4/54

reg_asym_us_dd_mean vs Slug



Right In: -142.190 ± 184.155 χ^2/NDF : 17.1/28

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

Right Out: -107.645 ± 179.181 χ^2/NDF : 22.2/31

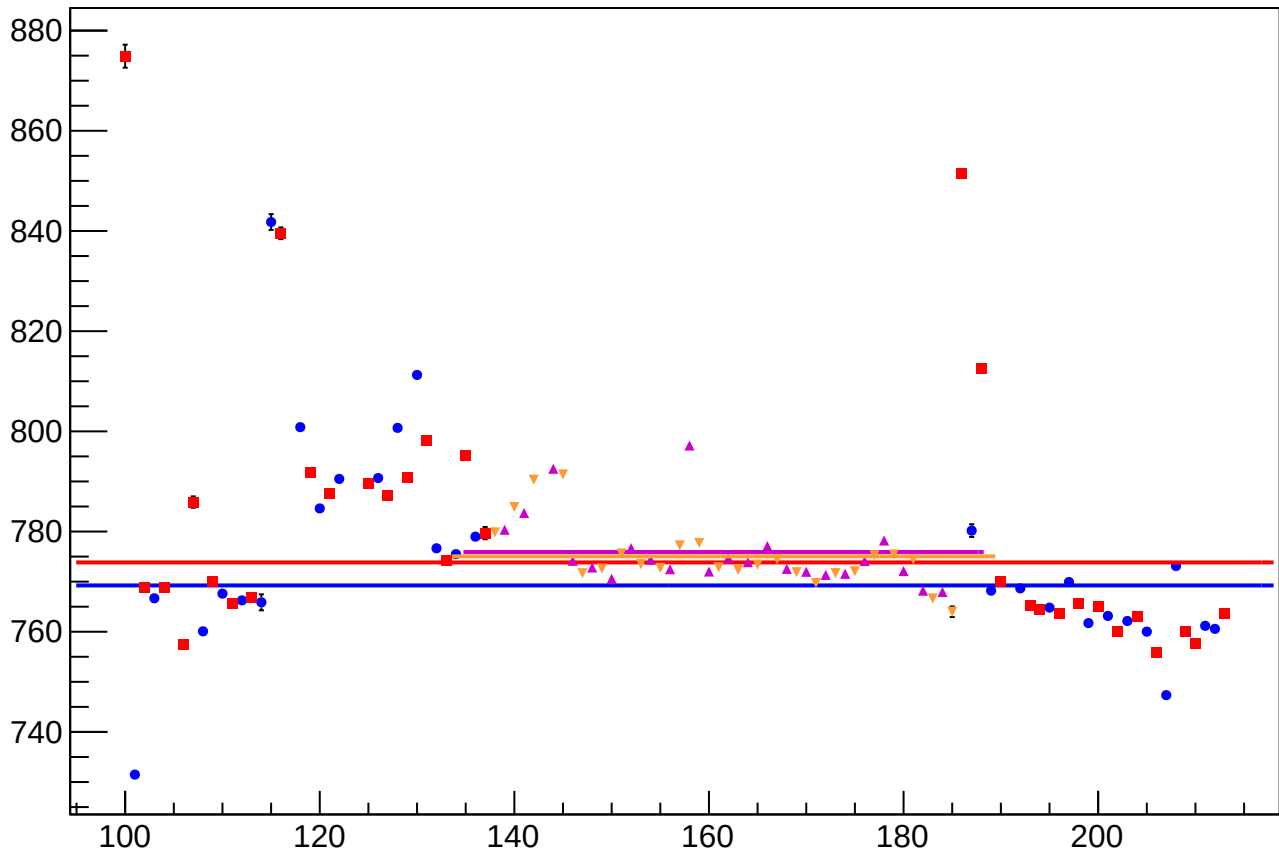
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -212.899 ± 128.680 χ^2/NDF : 33.4/52

All: -79.567 ± 90.533 χ^2/NDF : 81.7/107

- sign 51.120 ± 127.397 χ^2/NDF : 46.1/54

reg_asym_us_dd_rms vs Slug



Right In: 769.244 ± 0.130 $\chi^2/\text{NDF}: 16522.8/28$

Left Out: 775.050 ± 0.127 $\chi^2/\text{NDF}: 1951.3/23$

Right Out: 773.839 ± 0.127 $\chi^2/\text{NDF}: 25325.7/31$

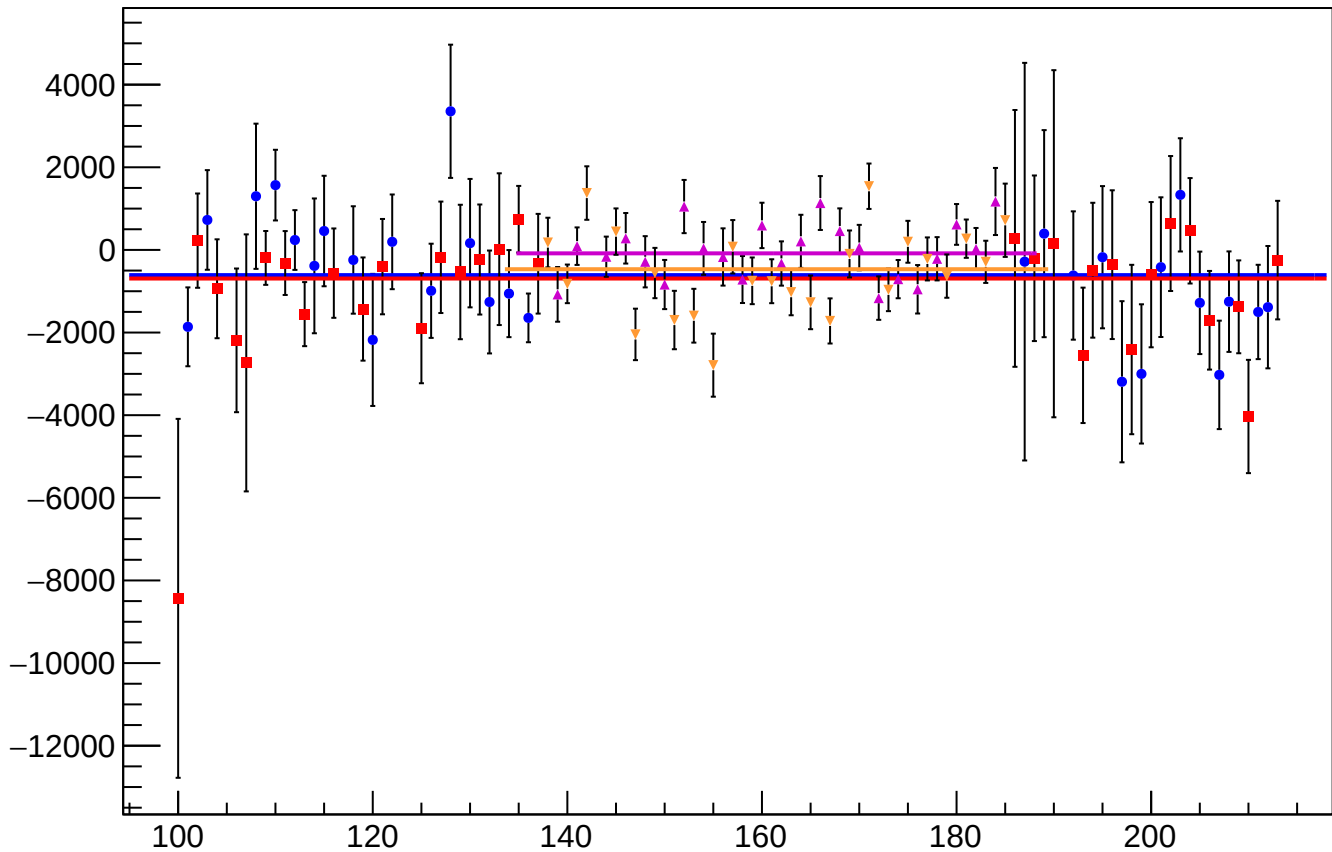
Left In: 775.922 ± 0.128 $\chi^2/\text{NDF}: 2973.0/22$

+ sign 772.215 ± 0.091 $\chi^2/\text{NDF}: 19491.1/52$

All: 773.555 ± 0.064 $\chi^2/\text{NDF}: 48353.1/107$

- sign 774.869 ± 0.090 $\chi^2/\text{NDF}: 28432.3/54$

asym_us_dd_reg_correction_mean vs Slug



Right In: -609.858 ± 225.635 χ^2/NDF : 35.0/28

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

Right Out: -692.562 ± 223.634 χ^2/NDF : 22.8/31

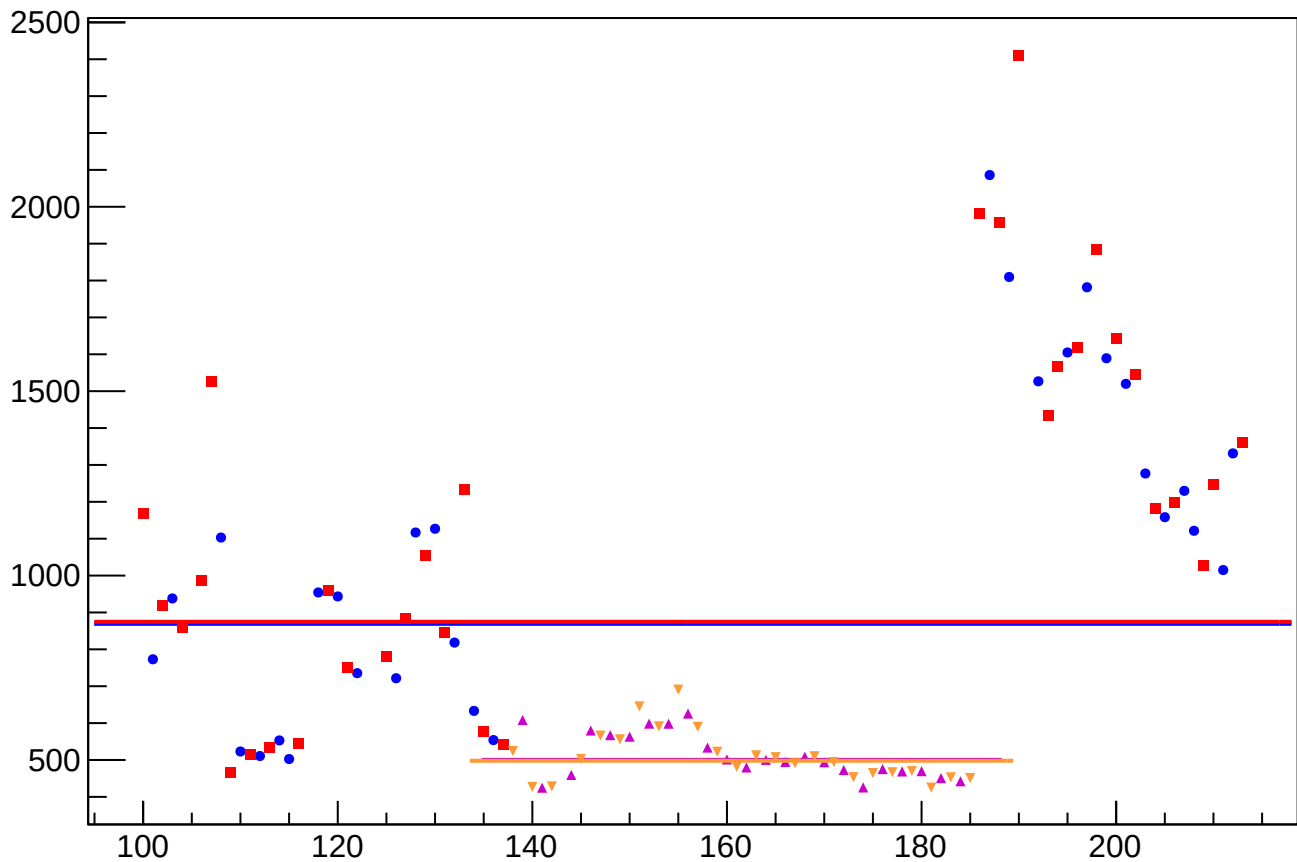
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

+ sign -497.274 ± 103.665 χ^2/NDF : 99.7/52

All: -357.169 ± 73.501 χ^2/NDF : 160.2/107

- sign -215.532 ± 104.230 χ^2/NDF : 56.8/54

asym_us_dd_reg_correction_rms vs Slug



Right In: 869.244+/-0.160 χ^2/NDF : 4941365.5/28

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

Right Out: 874.636+/-0.158 χ^2/NDF : 6384560.8/31

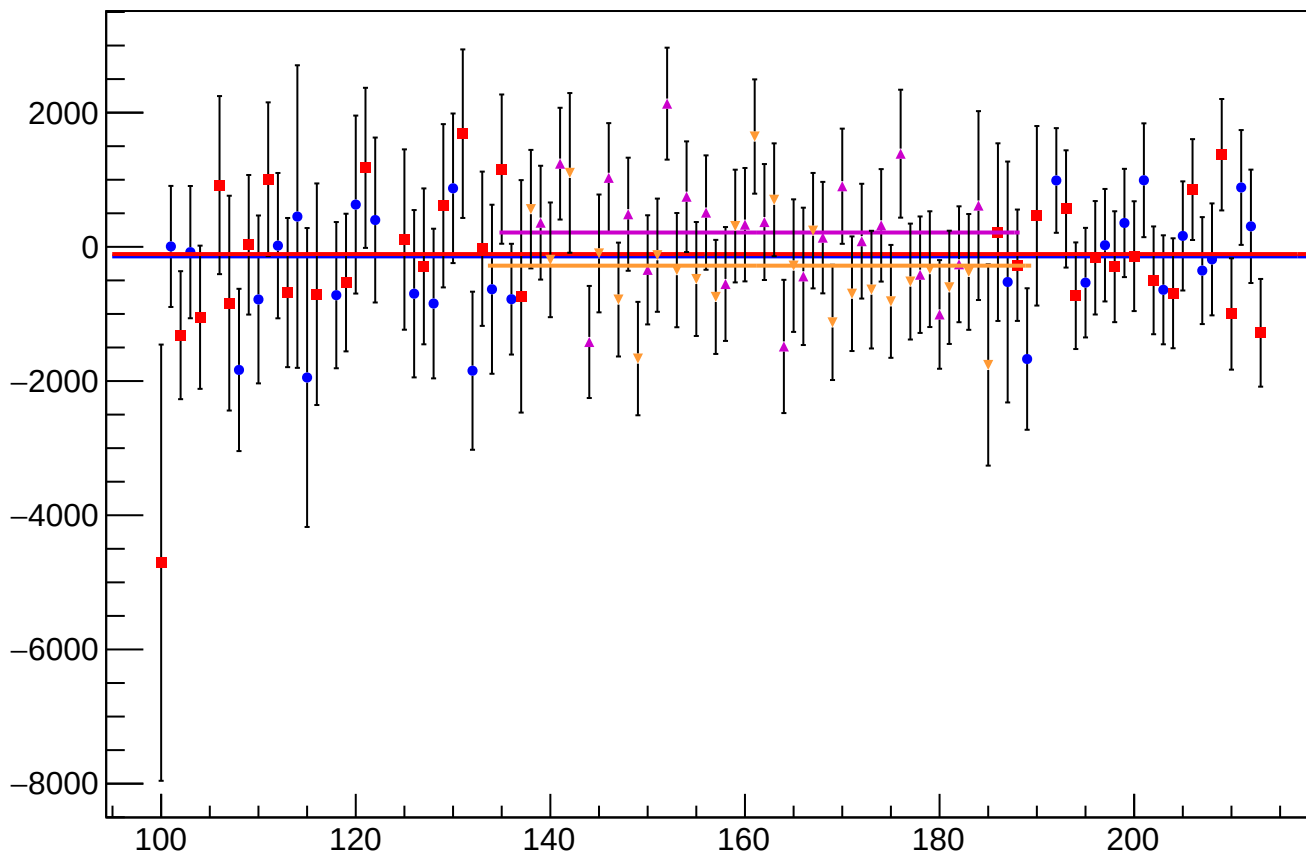
Left In: 500.307+/-0.083 χ^2/NDF : 477388.4/22

+ sign 576.336+/-0.073 χ^2/NDF : 9740520.0/52

All: 578.964+/-0.052 χ^2/NDF : 20991355.4/10

- sign 581.620+/-0.074 χ^2/NDF : 11248251.4/54

cor_asym_us_dd_mean vs Slug



Right In: -142.190 ± 184.155 χ^2/NDF : 17.1/28

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

Right Out: -107.645 ± 179.181 χ^2/NDF : 22.2/31

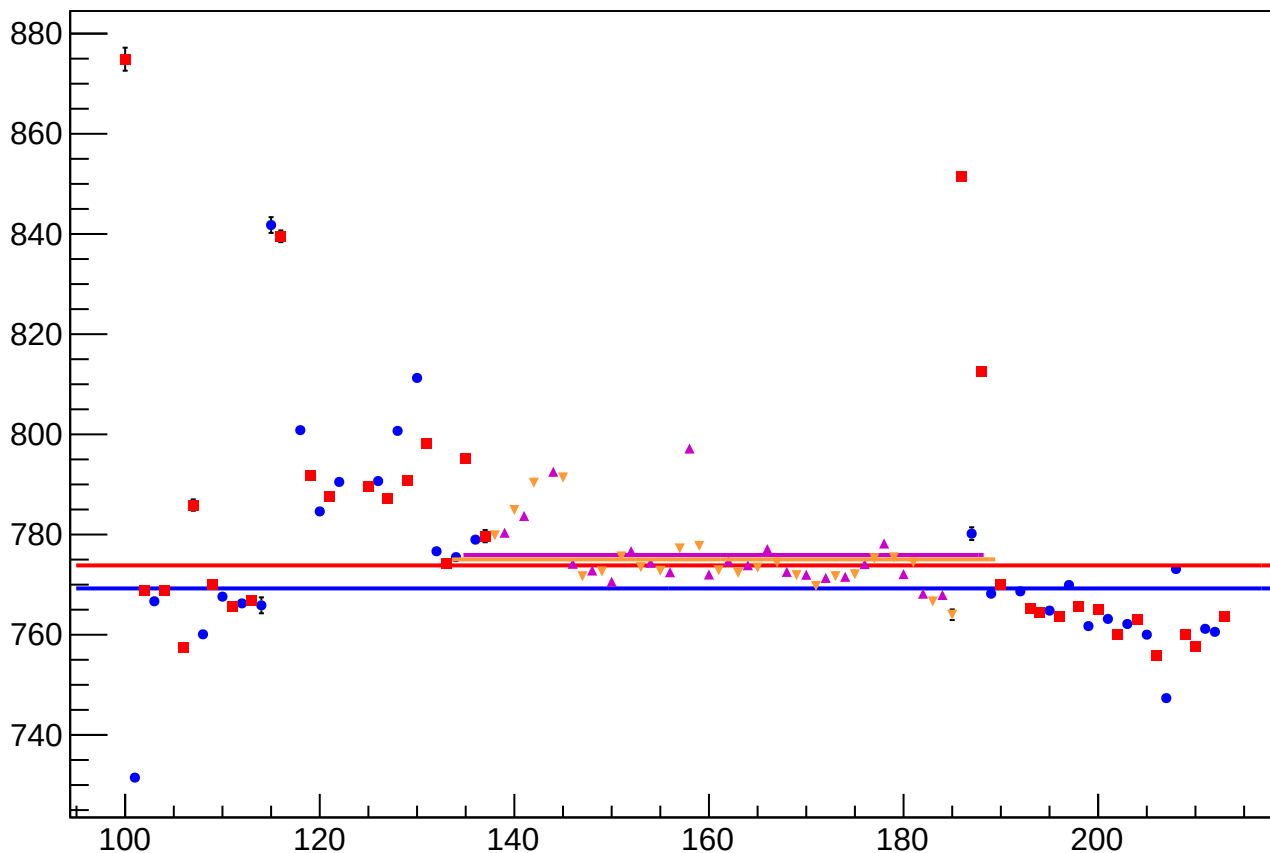
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -212.899 ± 128.680 χ^2/NDF : 33.4/52

All: -79.567 ± 90.533 χ^2/NDF : 81.7/107

- sign 51.120 ± 127.397 χ^2/NDF : 46.1/54

cor_asym_us_dd_rms vs Slug



Right In: 769.244 ± 0.130 $\chi^2/\text{NDF}: 16522.8/28$

Left Out: 775.050 ± 0.127 $\chi^2/\text{NDF}: 1951.3/23$

Right Out: 773.839 ± 0.127 $\chi^2/\text{NDF}: 25325.7/31$

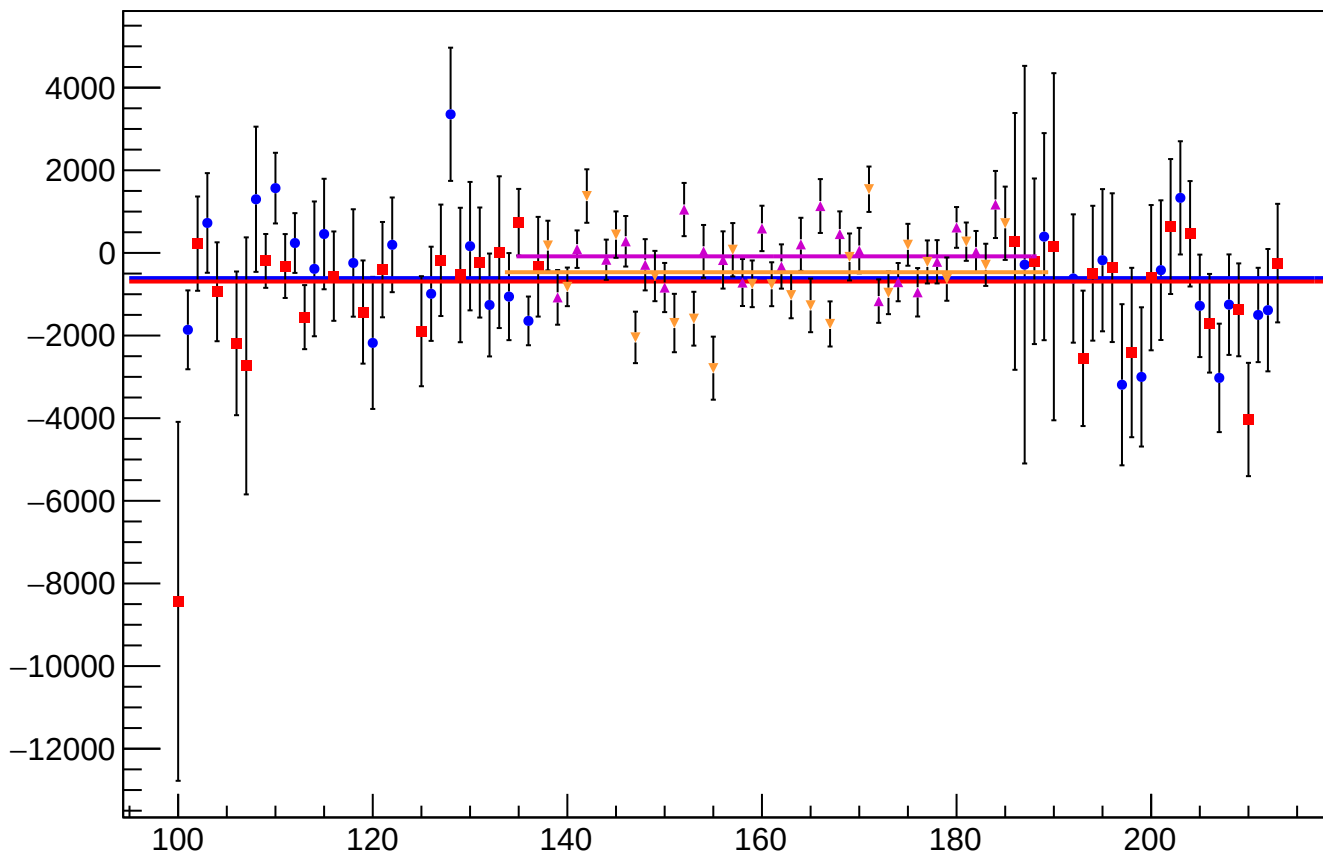
Left In: 775.922 ± 0.128 $\chi^2/\text{NDF}: 2973.0/22$

+ sign 772.215 ± 0.091 $\chi^2/\text{NDF}: 19491.1/52$

All: 773.555 ± 0.064 $\chi^2/\text{NDF}: 48353.1/107$

- sign 774.869 ± 0.090 $\chi^2/\text{NDF}: 28432.3/54$

asym_us_dd_cor_correction_mean vs Slug



Right In: -609.858 $\pm$ 225.635 χ^2 /NDF: 35.0/28

Left Out: -467.151 $\pm$ 116.712 χ^2 /NDF: 64.4/23

Right Out: -692.562 $\pm$ 223.634 χ^2 /NDF: 22.8/31

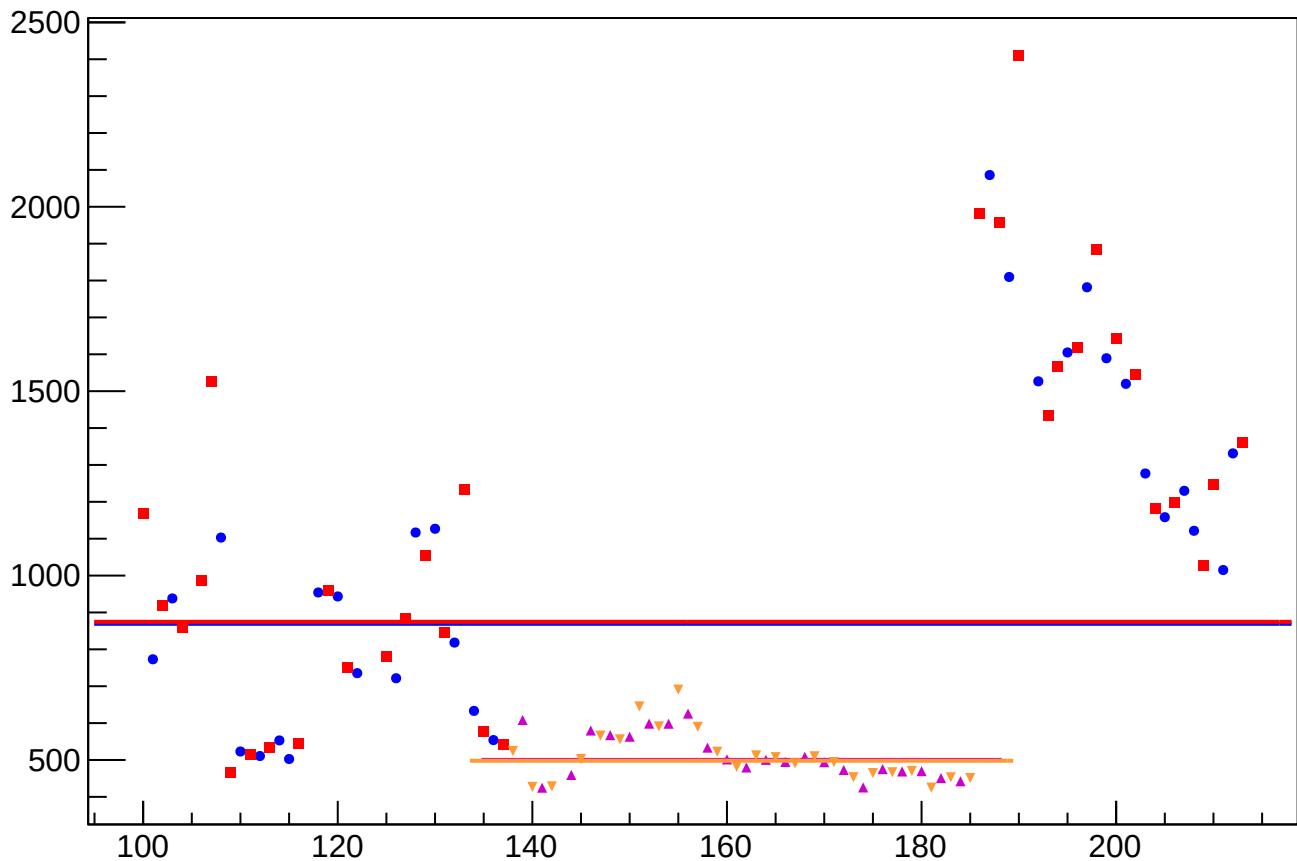
Left In: -83.154 $\pm$ 117.808 χ^2 /NDF: 28.1/22

+ sign -497.274 $\pm$ 103.665 χ^2 /NDF: 99.7/52

All: -357.169 $\pm$ 73.501 χ^2 /NDF: 160.2/107

- sign -215.532 $\pm$ 104.230 χ^2 /NDF: 56.8/54

asym_us_dd_cor_correction_rms vs Slug



Right In: 869.244+/-0.160 χ^2/NDF : 4941365.5/28

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

Right Out: 874.636+/-0.158 χ^2/NDF : 6384560.8/31

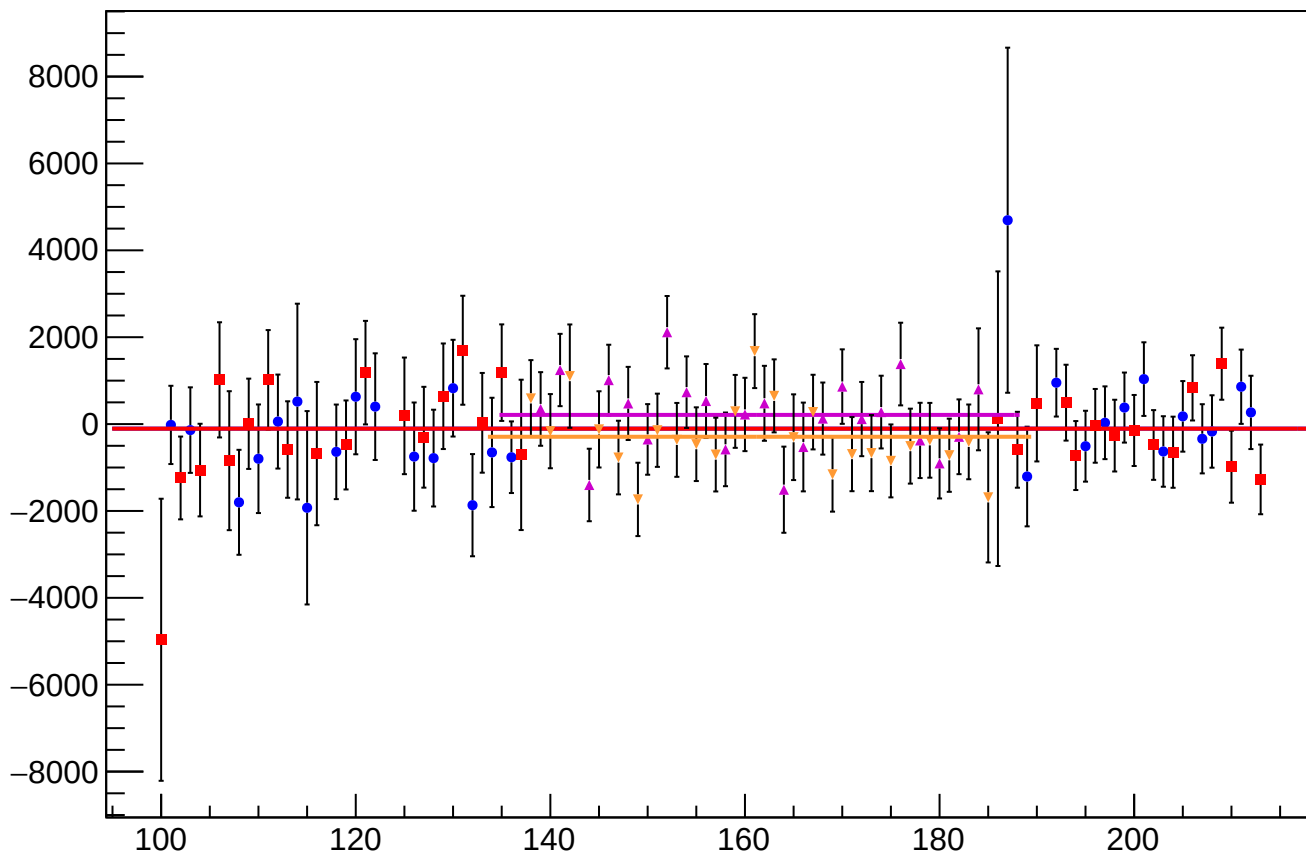
Left In: 500.307+/-0.083 χ^2/NDF : 477388.4/22

+ sign 576.336+/-0.073 χ^2/NDF : 9740520.0/52

All: 578.964+/-0.052 χ^2/NDF : 20991355.4/10

- sign 581.620+/-0.074 χ^2/NDF : 11248251.4/54

overload_cor_asym_us_dd_mean vs Slug



Right In: -104.832 ± 185.219 χ^2/NDF : 17.0/28

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

Right Out: -105.777 ± 180.907 χ^2/NDF : 22.3/31

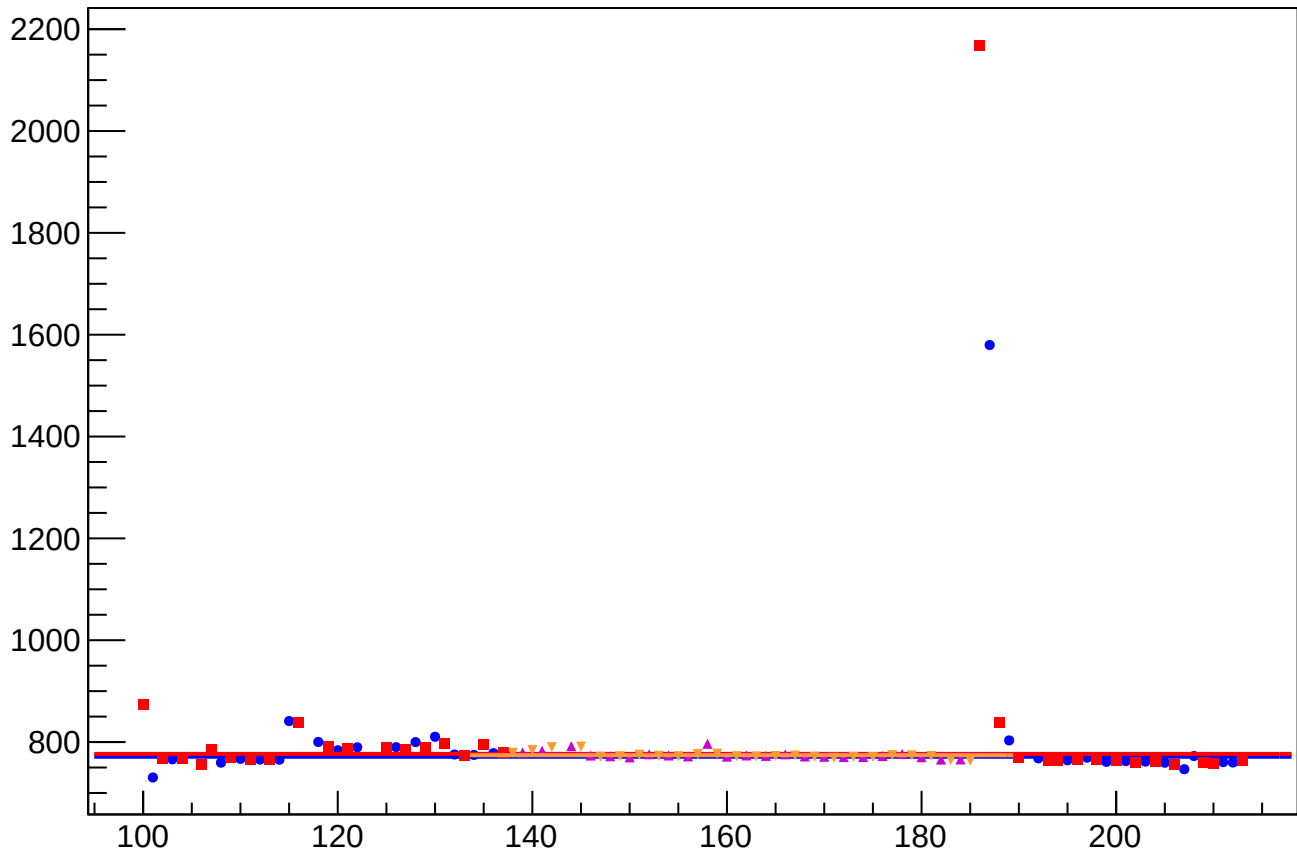
Left In: 211.238 ± 180.951 χ^2/NDF : 22.1/22

+ sign -201.281 ± 128.963 χ^2/NDF : 34.1/52

All: -73.279 ± 90.825 χ^2/NDF : 82.0/107

- sign 52.692 ± 127.936 χ^2/NDF : 46.0/54

overload_cor_asym_us_dd_rms vs Slug



Right In: 771.161+/-0.131 χ^2/NDF : 101290.0/28

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

Right Out: 776.749+/-0.128 χ^2/NDF : 362197.6/31

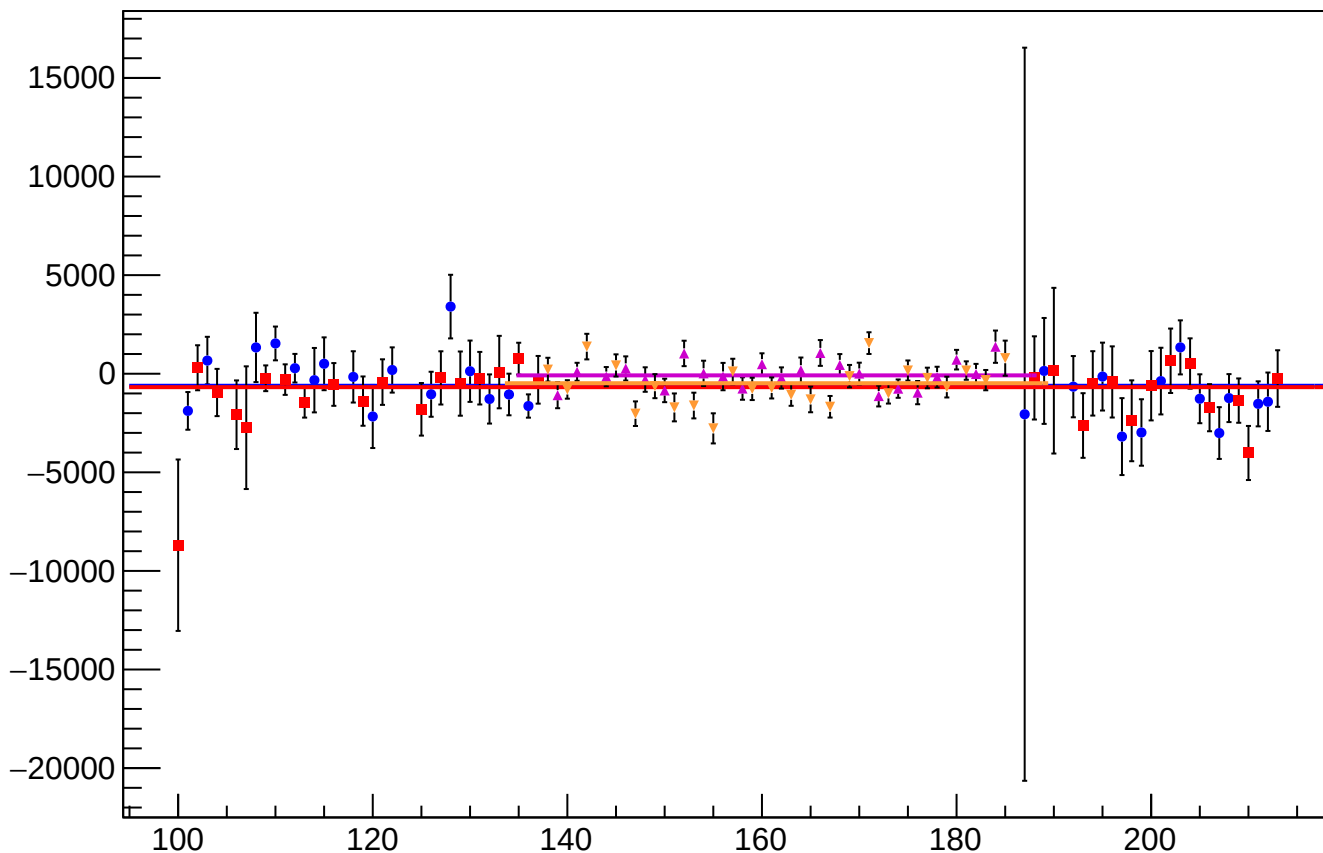
Left In: 774.990+/-0.128 χ^2/NDF :3148.2/22

+ sign 772.697+/-0.091 χ^2/NDF : 103617.2/52

All: 774.296+/-0.064 χ^2/NDF : 469667.5/107

- sign 775.869+/-0.090 χ^2/NDF : 365440.3/54

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -610.258+/-226.239 χ^2/NDF : 35.0/28

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

Right Out: -681.278+/-224.622 χ^2/NDF : 22.7/30

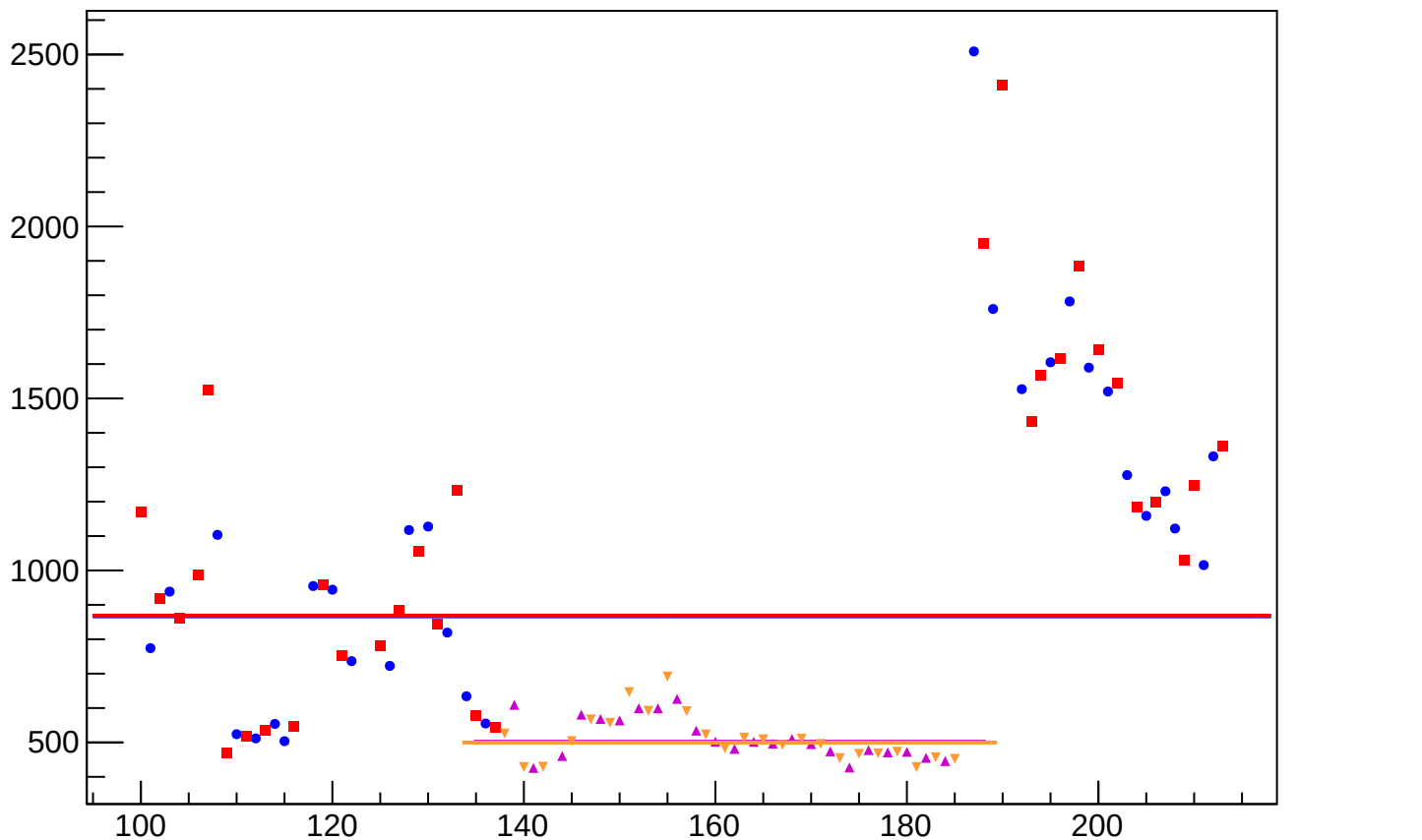
Left In: -83.196+/-118.194 χ^2/NDF : 28.2/22

+ sign -508.556+/-103.989 χ^2/NDF : 98.7/52

All: -361.582+/-73.746 χ^2/NDF : 159.3/106

- sign -212.884+/-104.597 χ^2/NDF : 56.5/53

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 866.672 $\pm$ 0.160 χ^2 /NDF: 4751553.2/28

Left Out: 499.670 $\pm$ 0.083 χ^2 /NDF: 516314.6/23

Right Out: 868.651 $\pm$ 0.159 χ^2 /NDF: 6040896.1/30

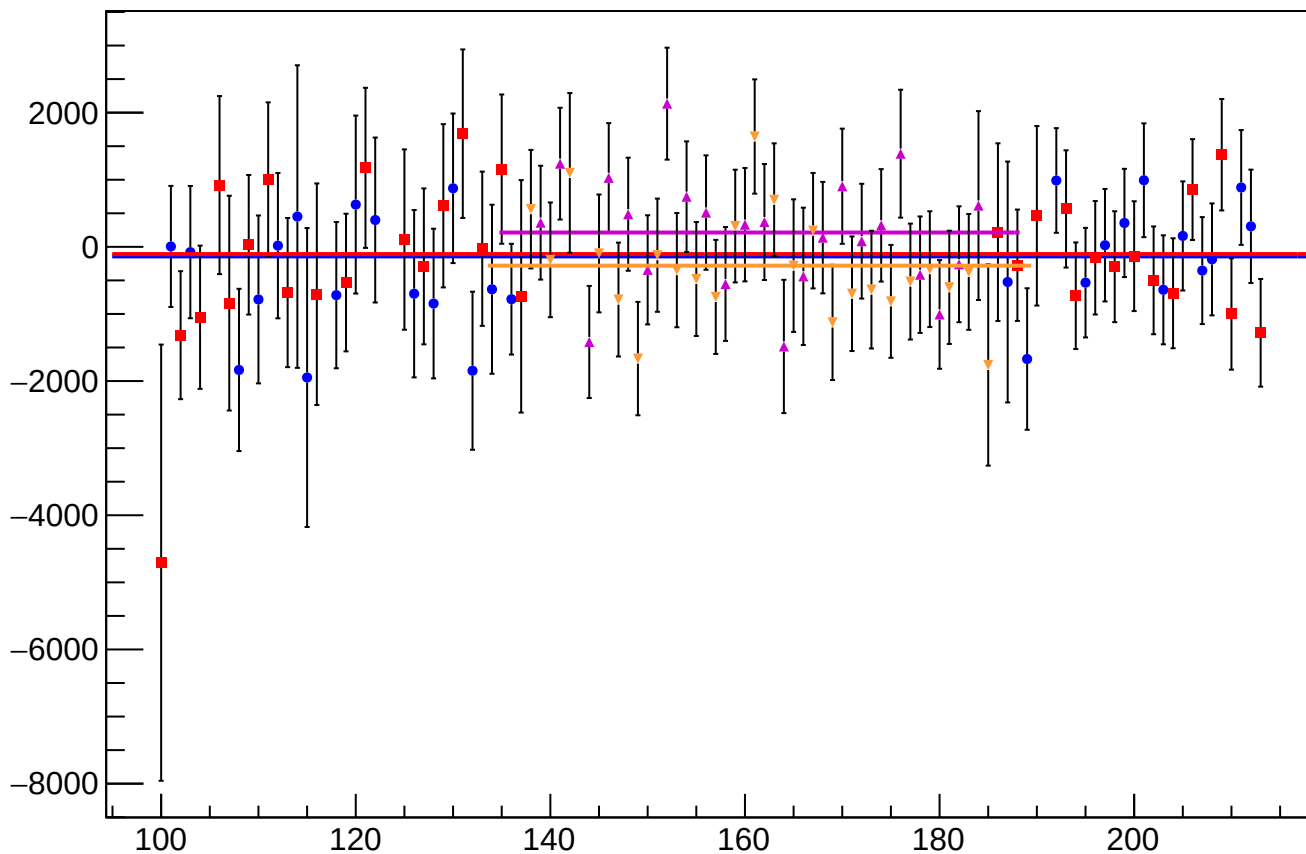
Left In: 502.026 $\pm$ 0.084 χ^2 /NDF: 467449.2/22

+ sign 577.207 $\pm$ 0.074 χ^2 /NDF: 9418927.5/52

All: 579.354 $\pm$ 0.052 χ^2 /NDF: 20101731.4/10

- sign 581.525 $\pm$ 0.074 χ^2 /NDF: 10681090.0/53

eigen_cor_asym_us_dd_mean vs Slug



Right In: -142.190+/-184.155 χ^2/NDF : 17.1/28

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

Right Out: -107.645+/-179.181 χ^2/NDF : 22.2/31

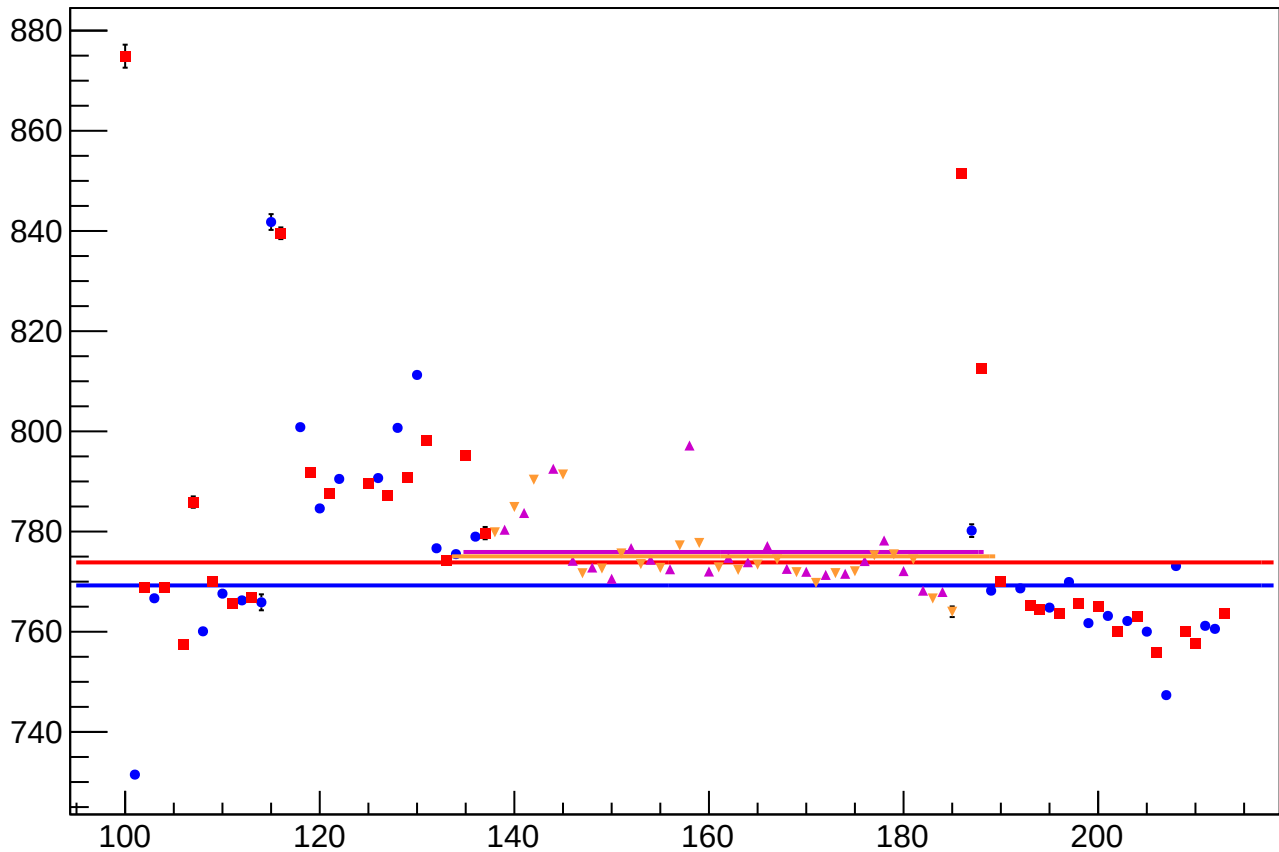
Left In: 213.425+/-181.168 χ^2/NDF : 22.4/22

+ sign -212.899+/-128.680 χ^2/NDF : 33.4/52

All: -79.567+/-90.533 χ^2/NDF : 81.7/107

- sign 51.120+/-127.397 χ^2/NDF : 46.1/54

eigen_cor_asym_us_dd_rms vs Slug



Right In: 769.244 $\pm$ 0.130 χ^2 /NDF: 16522.8/28

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF:1951.3/23

Right Out: 773.839 $\pm$ 0.127 χ^2 /NDF: 25325.7/31

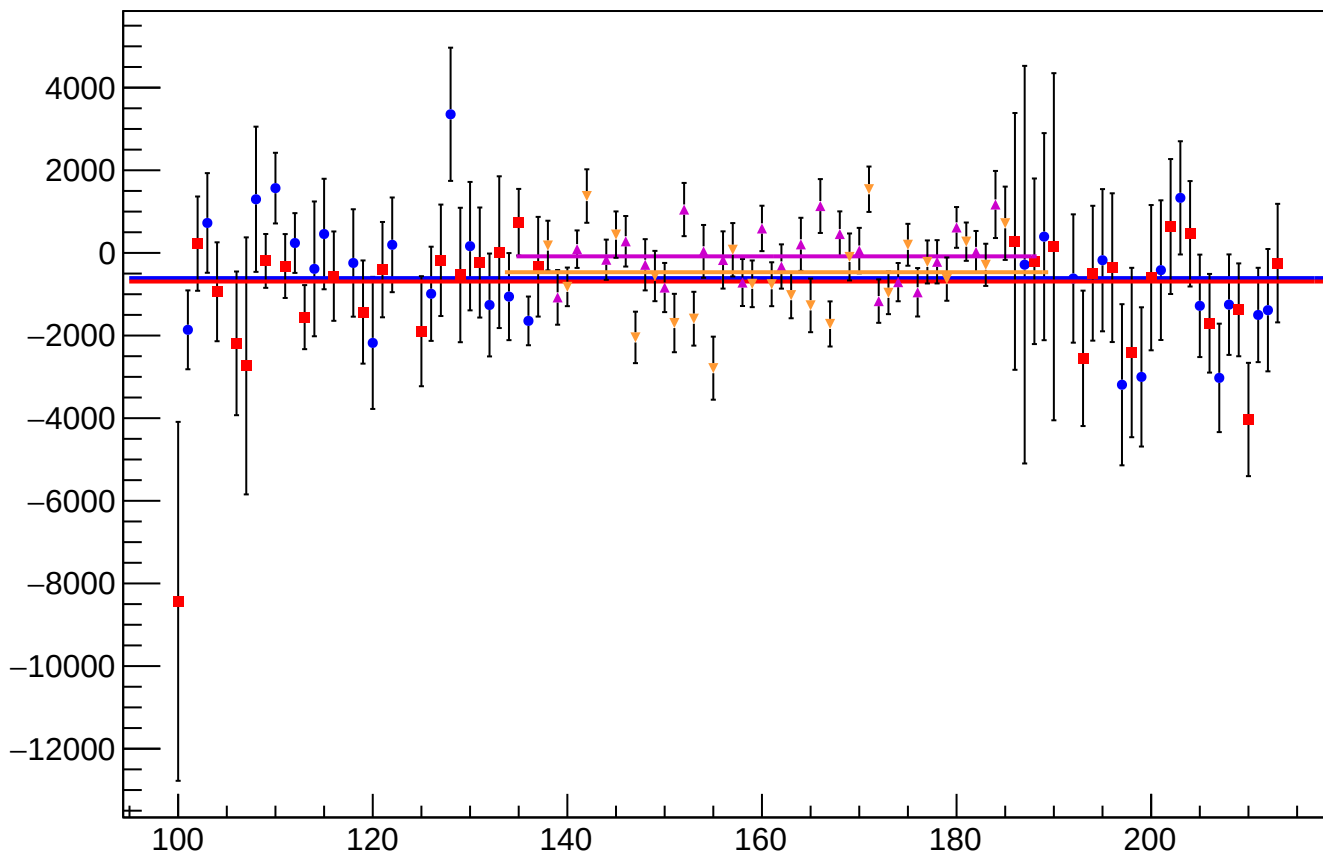
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF:2973.0/22

+ sign 772.215 $\pm$ 0.091 χ^2 /NDF: 19491.1/52

All: 773.555 $\pm$ 0.064 χ^2 /NDF: 48353.1/107

- sign 774.869 $\pm$ 0.090 χ^2 /NDF: 28432.3/54

asym_us_dd_eigen_cor_correction_mean vs Slug



Right In: -609.858 $\pm$ 225.635 χ^2 /NDF: 35.0/28

Left Out: -467.151 $\pm$ 116.712 χ^2 /NDF:64.4/23

Right Out: -692.562 $\pm$ 223.634 χ^2 /NDF: 22.8/31

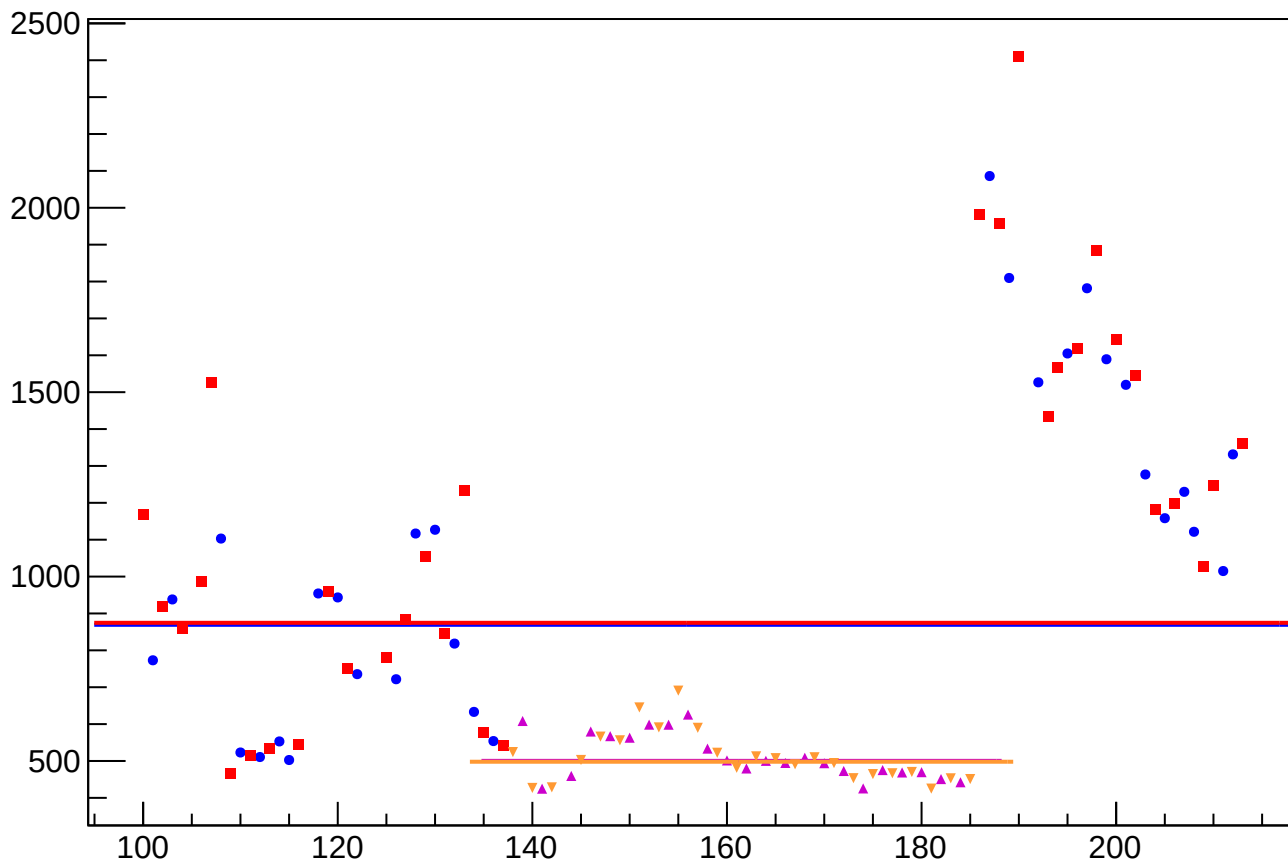
Left In: -83.154 $\pm$ 117.808 χ^2 /NDF:28.1/22

+ sign -497.274 $\pm$ 103.665 χ^2 /NDF: 99.7/52

All: -357.169 $\pm$ 73.501 χ^2 /NDF: 160.2/107

- sign -215.532 $\pm$ 104.230 χ^2 /NDF: 56.8/54

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 869.244 $\pm$ 0.160 χ^2 /NDF: 4941365.5/28

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 874.636 $\pm$ 0.158 χ^2 /NDF: 6384560.8/31

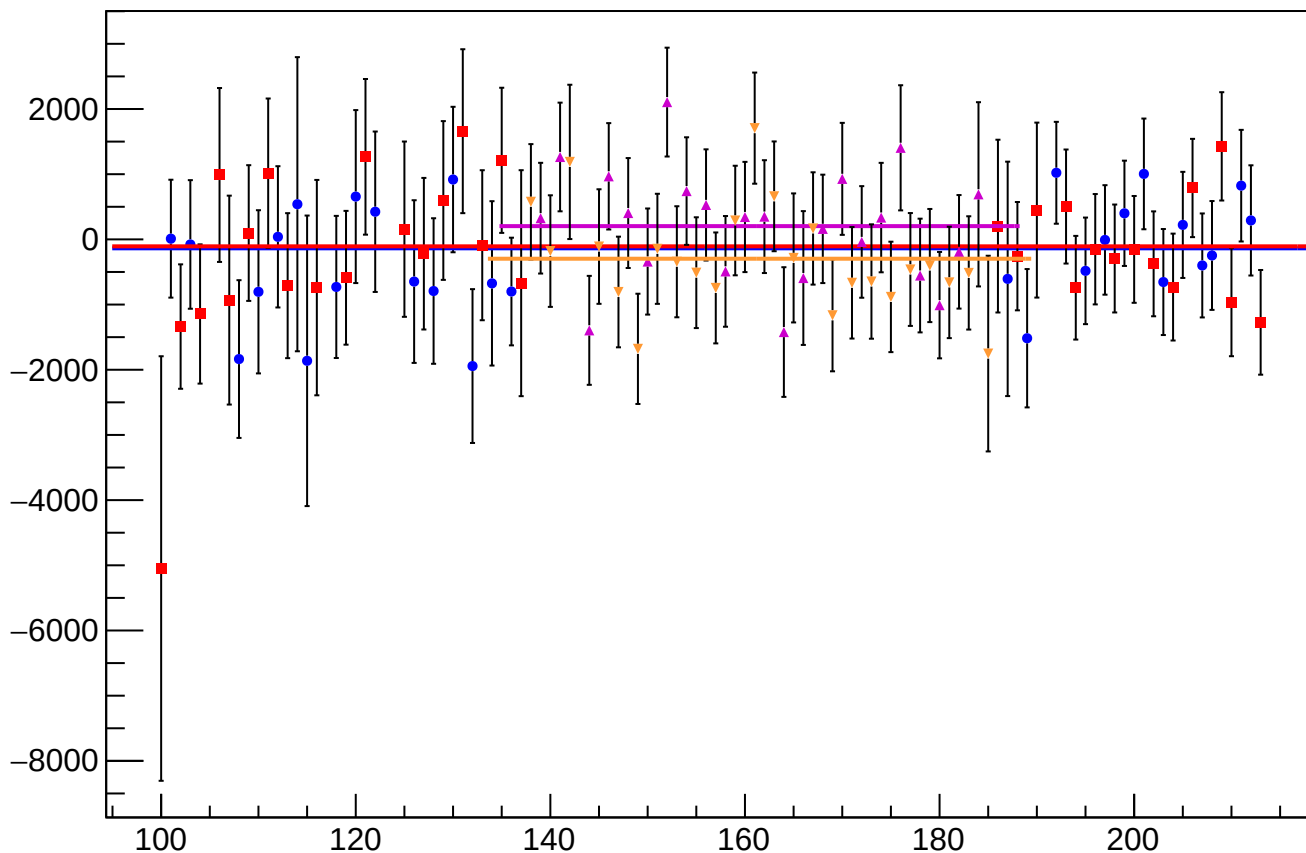
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 576.336 $\pm$ 0.073 χ^2 /NDF: 9740520.0/52

All: 578.964 $\pm$ 0.052 χ^2 /NDF: 20991355.4/10

- sign 581.620 $\pm$ 0.074 χ^2 /NDF: 11248251.4/54

dit_asym_us_dd_mean vs Slug



Right In: -137.161 ± 184.381 χ^2/NDF : 17.1/28

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

Right Out: -106.747 ± 179.399 χ^2/NDF : 22.8/31

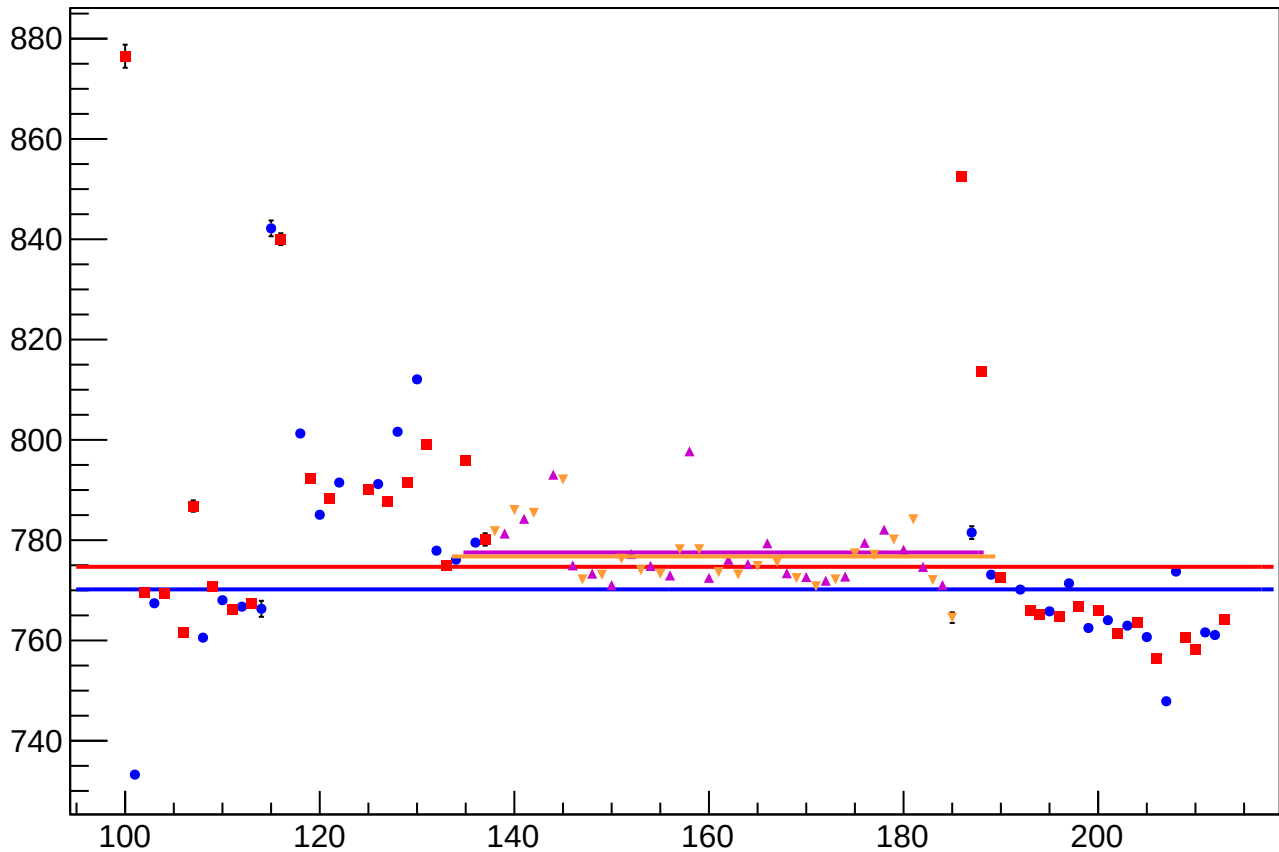
Left In: 203.339 ± 181.548 χ^2/NDF : 22.1/22

+ sign -218.760 ± 128.903 χ^2/NDF : 34.2/52

All: -84.816 ± 90.687 χ^2/NDF : 82.7/107

- sign 46.449 ± 127.607 χ^2/NDF : 46.4/54

dit_asym_us_dd_rms vs Slug



Right In: 770.188 $\pm$ 0.130 χ^2 /NDF: 16335.8/28

Left Out: 776.751 $\pm$ 0.127 χ^2 /NDF: 1826.3/23

Right Out: 774.689 $\pm$ 0.127 χ^2 /NDF: 25230.4/31

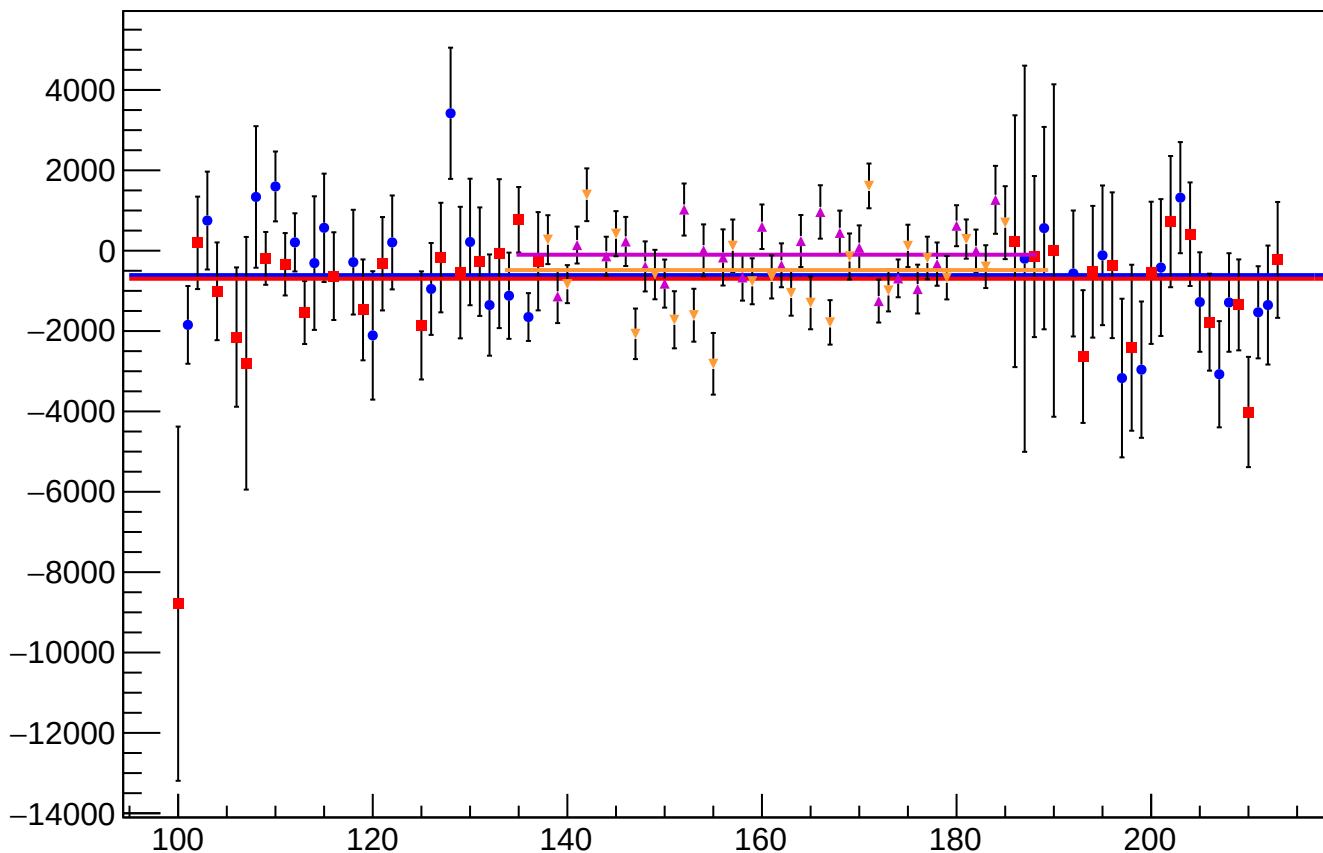
Left In: 777.550 $\pm$ 0.128 χ^2 /NDF: 2750.7/22

+ sign 773.543 $\pm$ 0.091 χ^2 /NDF: 19457.4/52

All: 774.836 $\pm$ 0.064 χ^2 /NDF: 48087.9/107

- sign 776.103 $\pm$ 0.090 χ^2 /NDF: 28232.4/54

asym_us_dd_dit_correction_mean vs Slug



Right In: -608.019+/-227.596 χ^2/NDF : 35.0/28

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

Right Out: -698.267+/-225.457 χ^2/NDF : 23.0/31

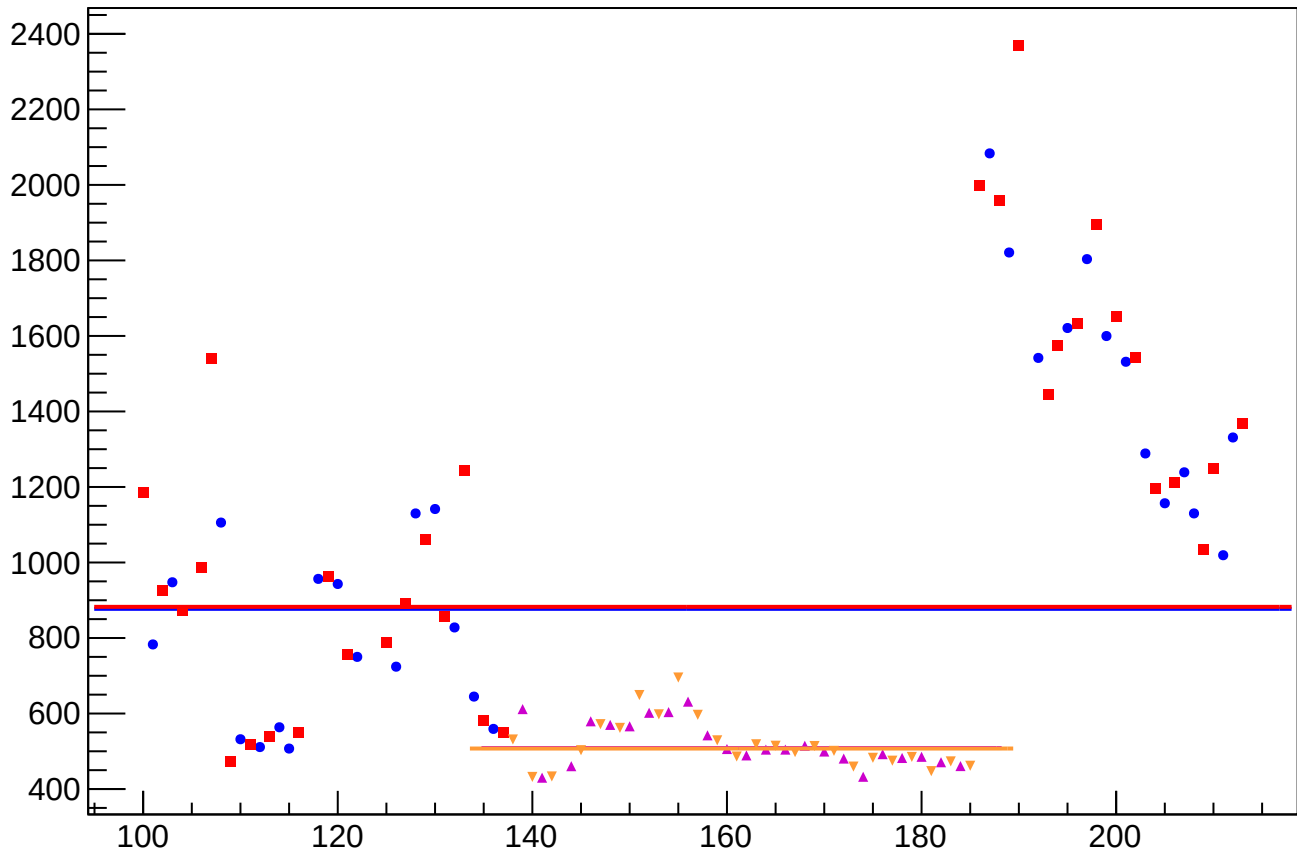
Left In: -99.985+/-119.677 χ^2/NDF : 27.4/22

+ sign -509.682+/-105.320 χ^2/NDF : 100.3/52

All: -371.104+/-74.609 χ^2/NDF : 159.7/107

- sign -231.504+/-105.707 χ^2/NDF : 55.9/54

asym_us_dd_dit_correction_rms vs Slug



Right In: 877.280 $\pm$ 0.161 χ^2 /NDF: 4914018.7/28

Left Out: 507.319 $\pm$ 0.084 χ^2 /NDF: 473982.3/23

Right Out: 882.525 $\pm$ 0.159 χ^2 /NDF: 6336997.7/31

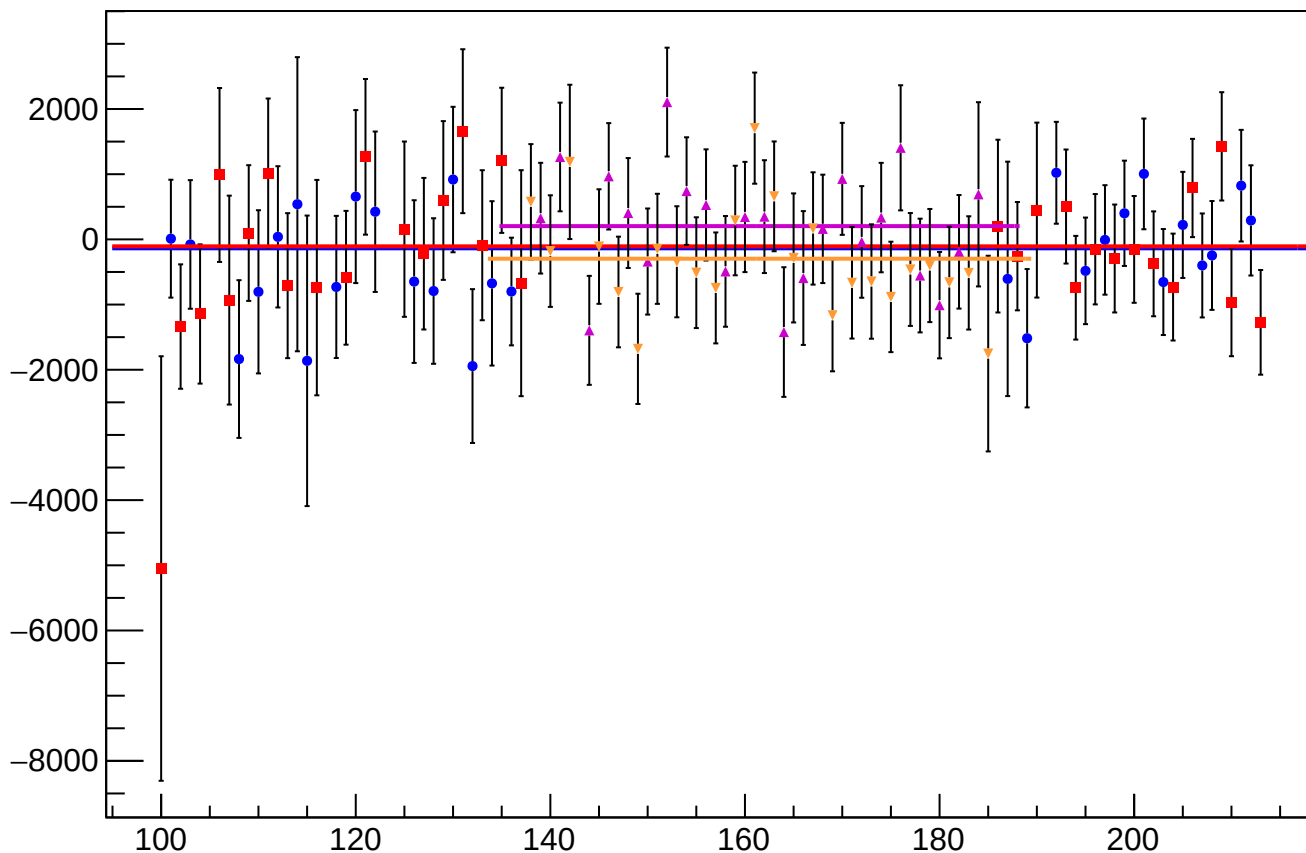
Left In: 508.638 $\pm$ 0.085 χ^2 /NDF: 432447.1/22

+ sign 586.541 $\pm$ 0.074 χ^2 /NDF: 9540994.1/52

All: 588.677 $\pm$ 0.053 χ^2 /NDF: 20603228.4/10

- sign 590.829 $\pm$ 0.075 χ^2 /NDF: 11060583.0/54

eigen_dit_asym_us_dd_mean vs Slug



Right In: -137.161 ± 184.381 χ^2/NDF : 17.1/28

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

Right Out: -106.746 ± 179.399 χ^2/NDF : 22.8/31

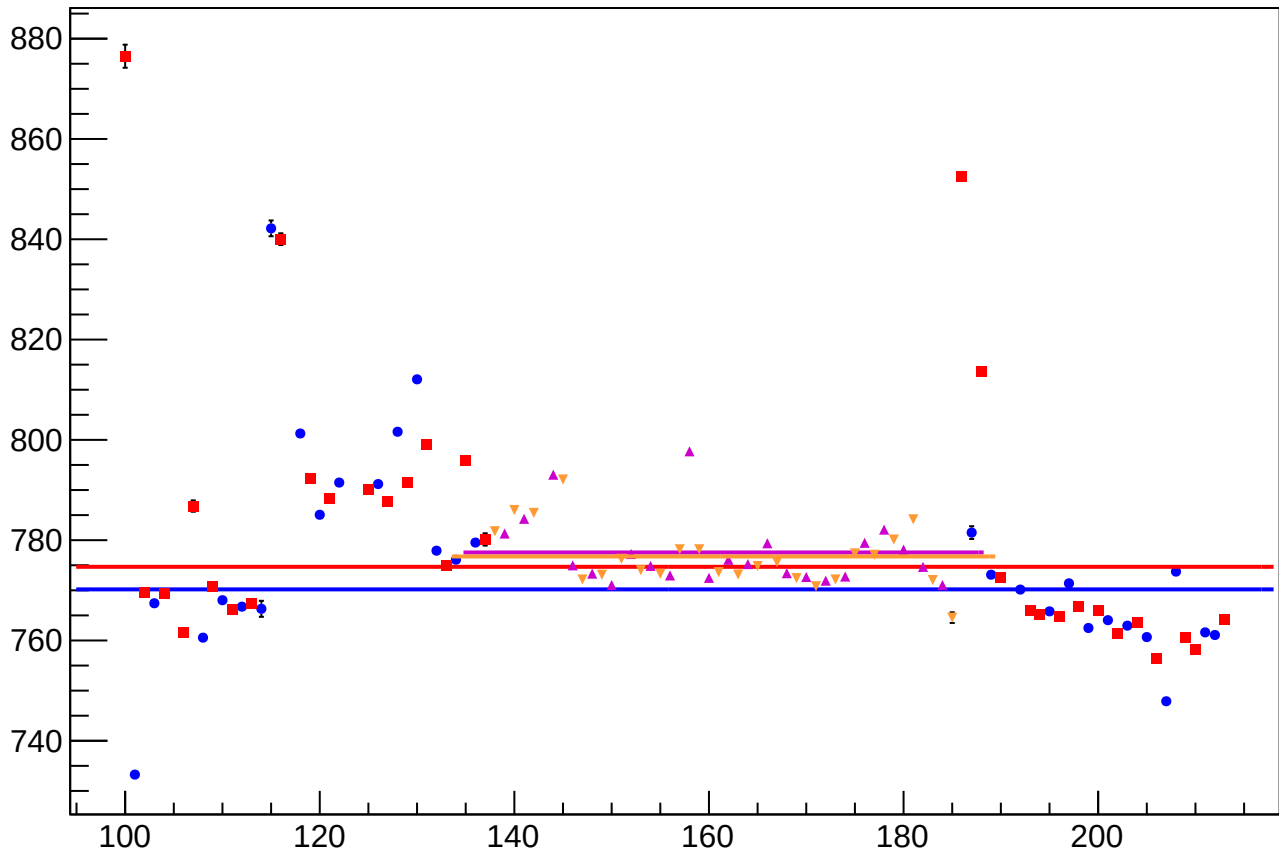
Left In: 203.338 ± 181.548 χ^2/NDF : 22.1/22

+ sign -218.761 ± 128.903 χ^2/NDF : 34.2/52

All: -84.816 ± 90.687 χ^2/NDF : 82.7/107

- sign 46.449 ± 127.607 χ^2/NDF : 46.4/54

eigen_dit_asym_us_dd_rms vs Slug



Right In: 770.188 $\pm$ 0.130 χ^2 /NDF: 16335.7/28

Left Out: 776.751 $\pm$ 0.127 χ^2 /NDF:1826.3/23

Right Out: 774.689 $\pm$ 0.127 χ^2 /NDF: 25230.4/31

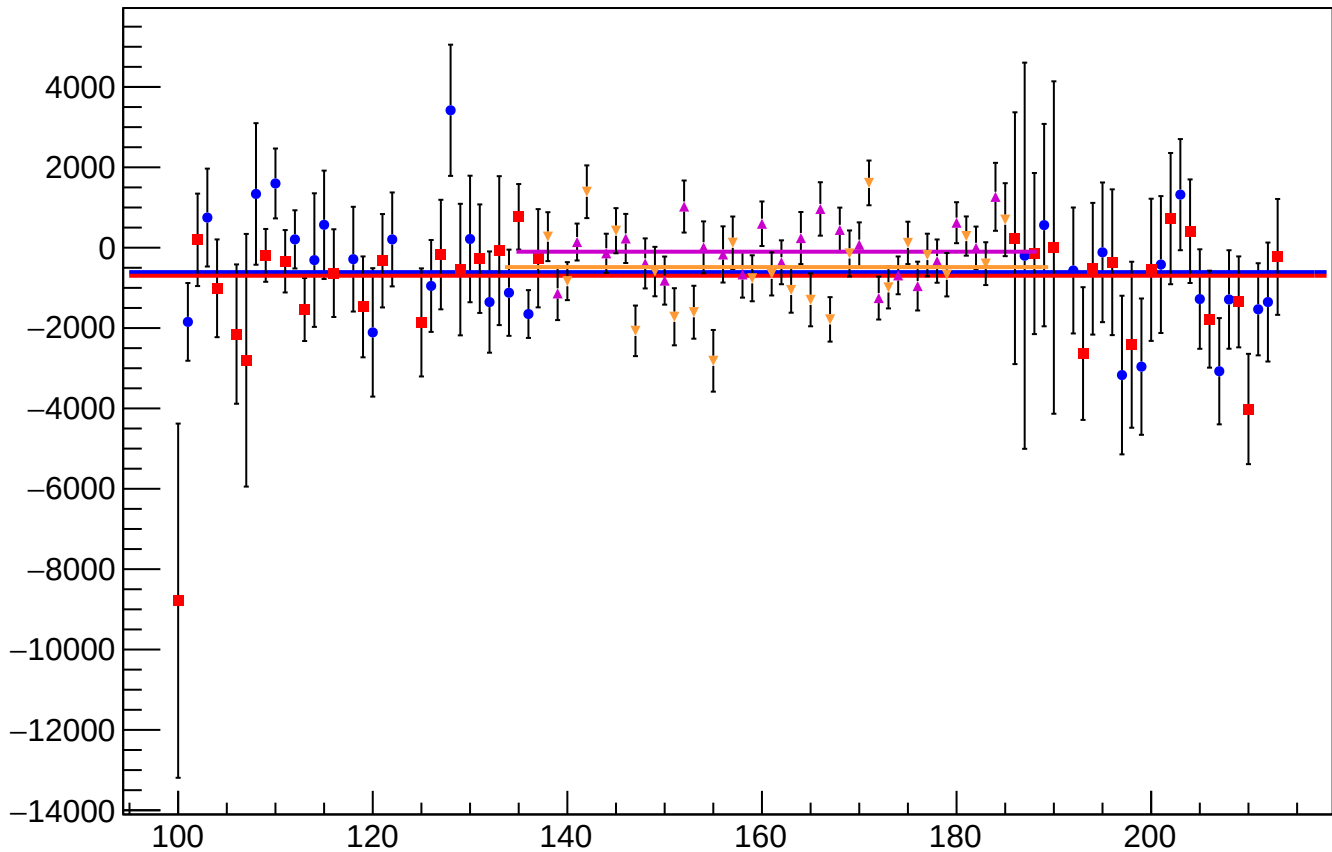
Left In: 777.550 $\pm$ 0.128 χ^2 /NDF:2750.7/22

+ sign 773.543 $\pm$ 0.091 χ^2 /NDF: 19457.3/52

All: 774.836 $\pm$ 0.064 χ^2 /NDF: 48087.8/107

- sign 776.103 $\pm$ 0.090 χ^2 /NDF: 28232.4/54

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -608.013 ± 227.595 χ^2/NDF : 35.0/28

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

Right Out: -698.265 ± 225.456 χ^2/NDF : 23.0/31

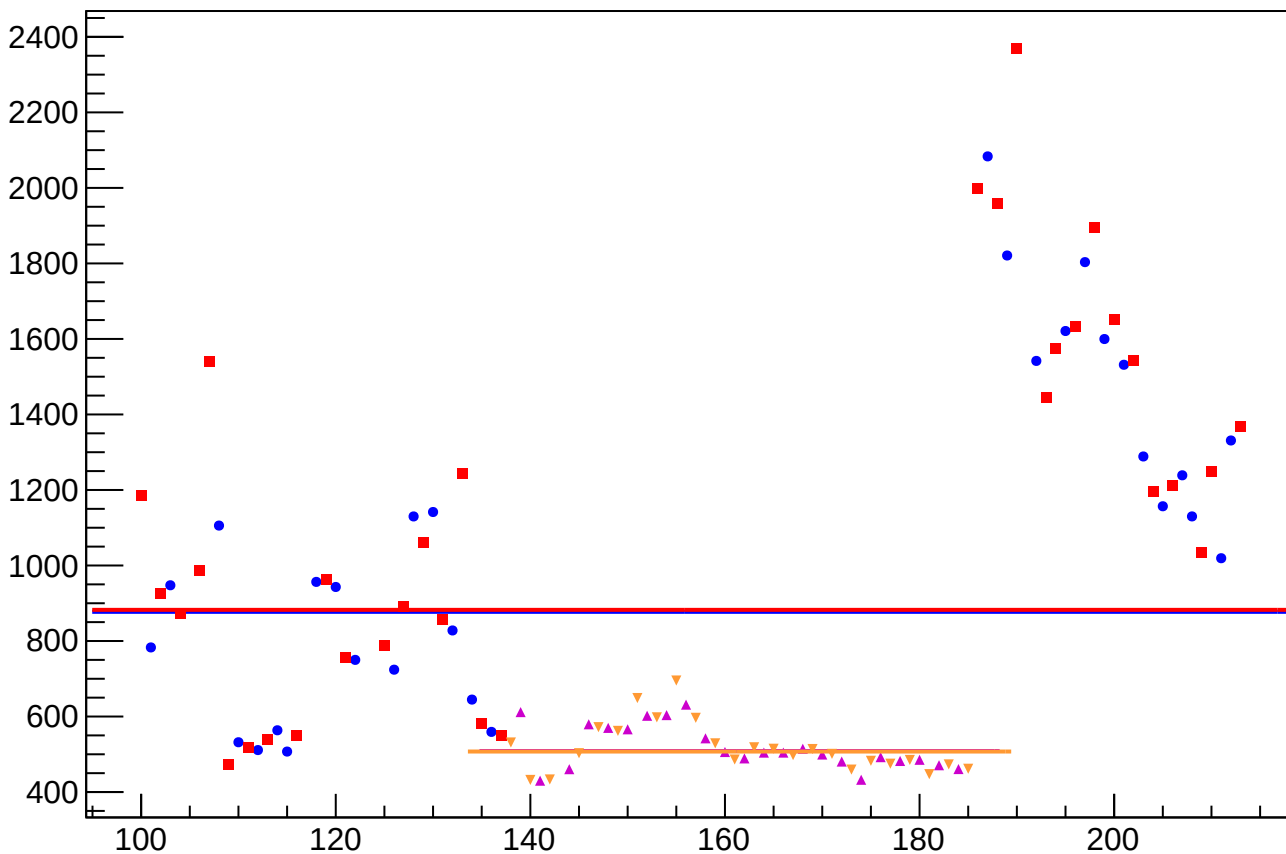
Left In: -99.985 ± 119.677 χ^2/NDF : 27.4/22

+ sign -509.681 ± 105.320 χ^2/NDF : 100.3/52

All: -371.103 ± 74.609 χ^2/NDF : 159.7/107

- sign -231.504 ± 105.707 χ^2/NDF : 55.9/54

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 877.277+/-0.161 χ^2/NDF : 4914084.4/28

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

+ sign 586.541+/-0.074 χ^2/NDF : 9541006.0/52

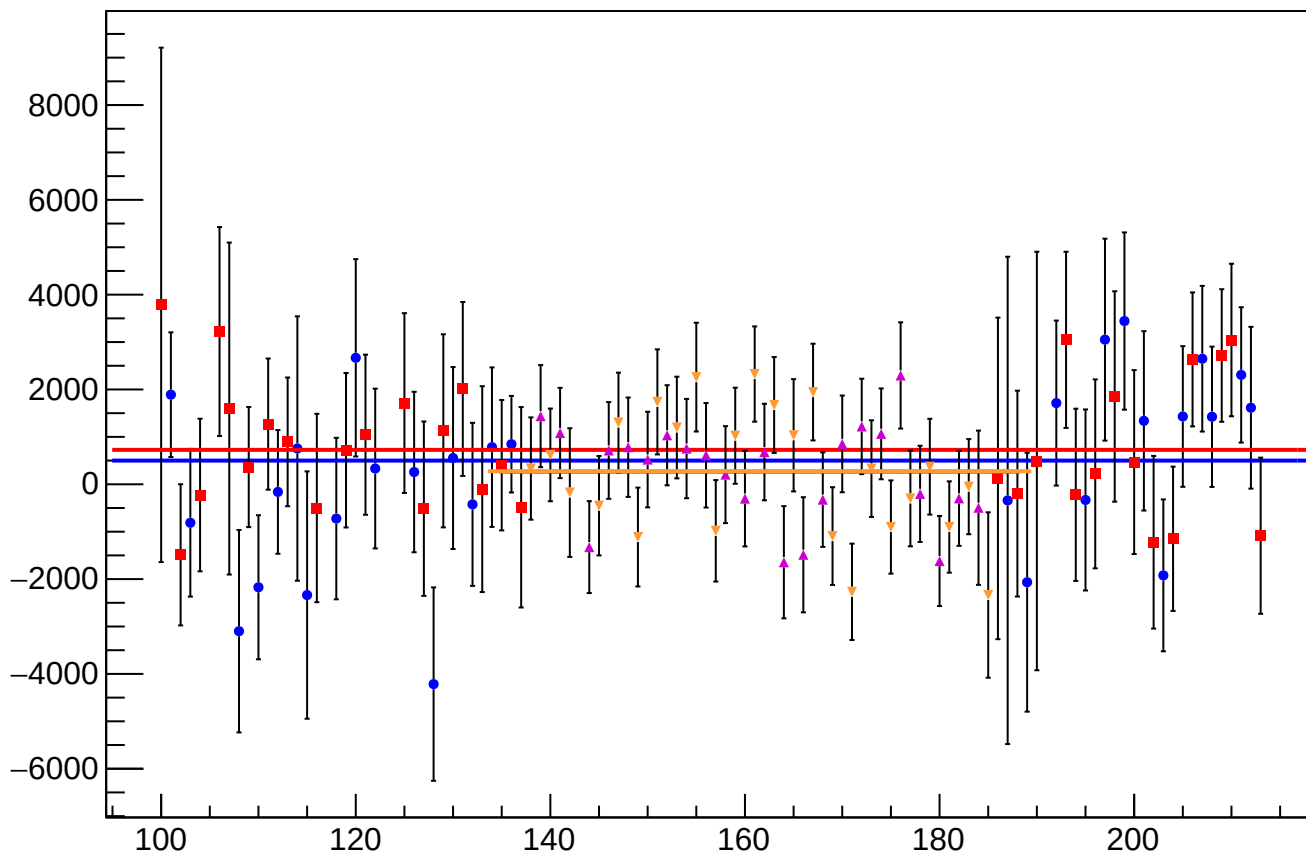
Right Out: 882.521+/-0.159 χ^2/NDF : 6337067.6/31

All: 588.677+/-0.053 χ^2/NDF : 20603264.9/10

- sign 590.828+/-0.075 χ^2/NDF : 11060607.8/54

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

asym_us_dd_mean vs Slug



Right In: 499.853 $\pm$ 315.106 χ^2 /NDF: 29.4/28

Left Out: 275.181 $\pm$ 216.290 χ^2 /NDF:33.6/23

Right Out: 726.176 $\pm$ 315.155 χ^2 /NDF: 18.9/31

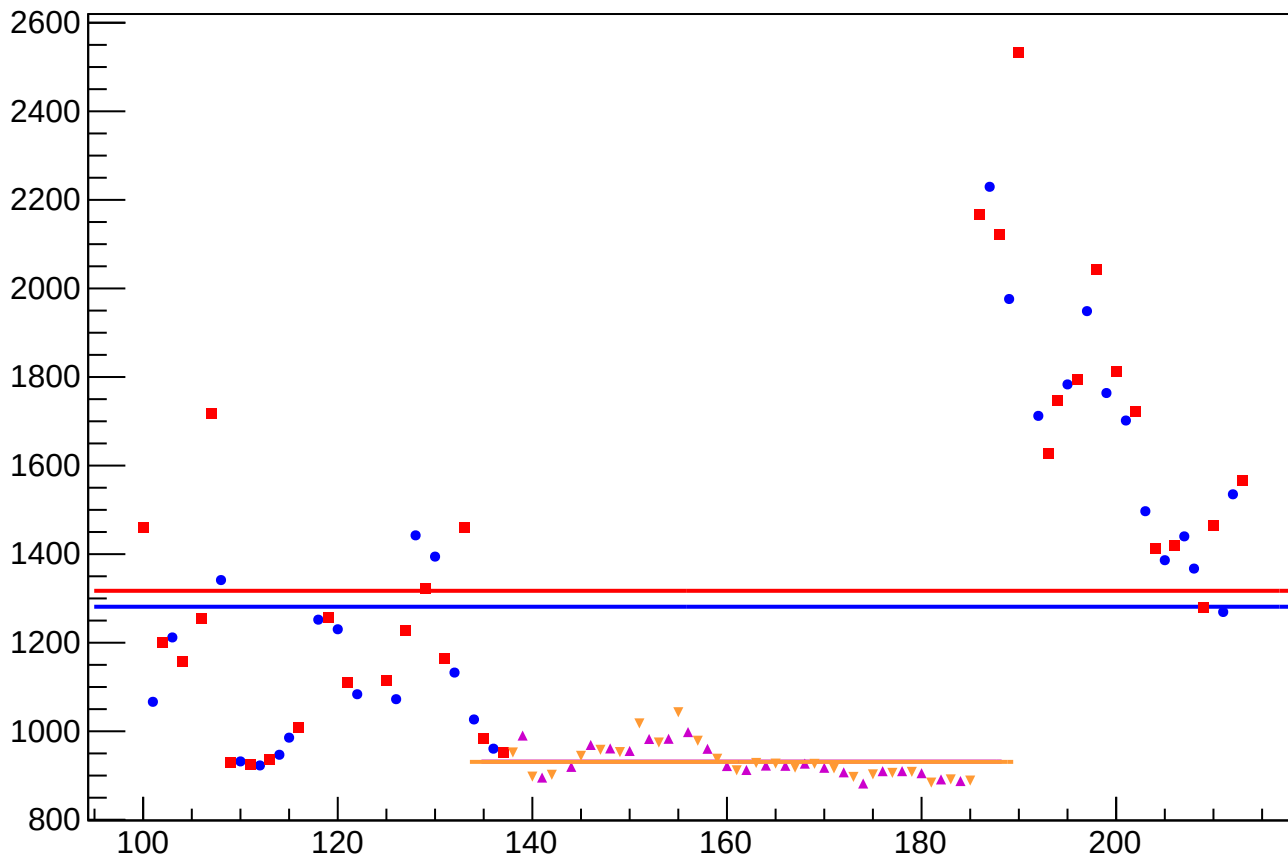
Left In: 267.059 $\pm$ 217.685 χ^2 /NDF:21.4/22

+ sign 347.134 $\pm$ 178.323 χ^2 /NDF: 63.3/52

All: 381.093 $\pm$ 126.371 χ^2 /NDF: 105.1/107

- sign 415.353 $\pm$ 179.111 χ^2 /NDF: 41.7/54

asym_us_dd_rms vs Slug



Right In: 1281.243 $\pm$ 0.223 χ^2 /NDF: 1713833.7/28

Left Out: 930.922 $\pm$ 0.153 χ^2 /NDF: 61953.0/23

Right Out: 1317.232 $\pm$ 0.223 χ^2 /NDF: 2235597.8/31

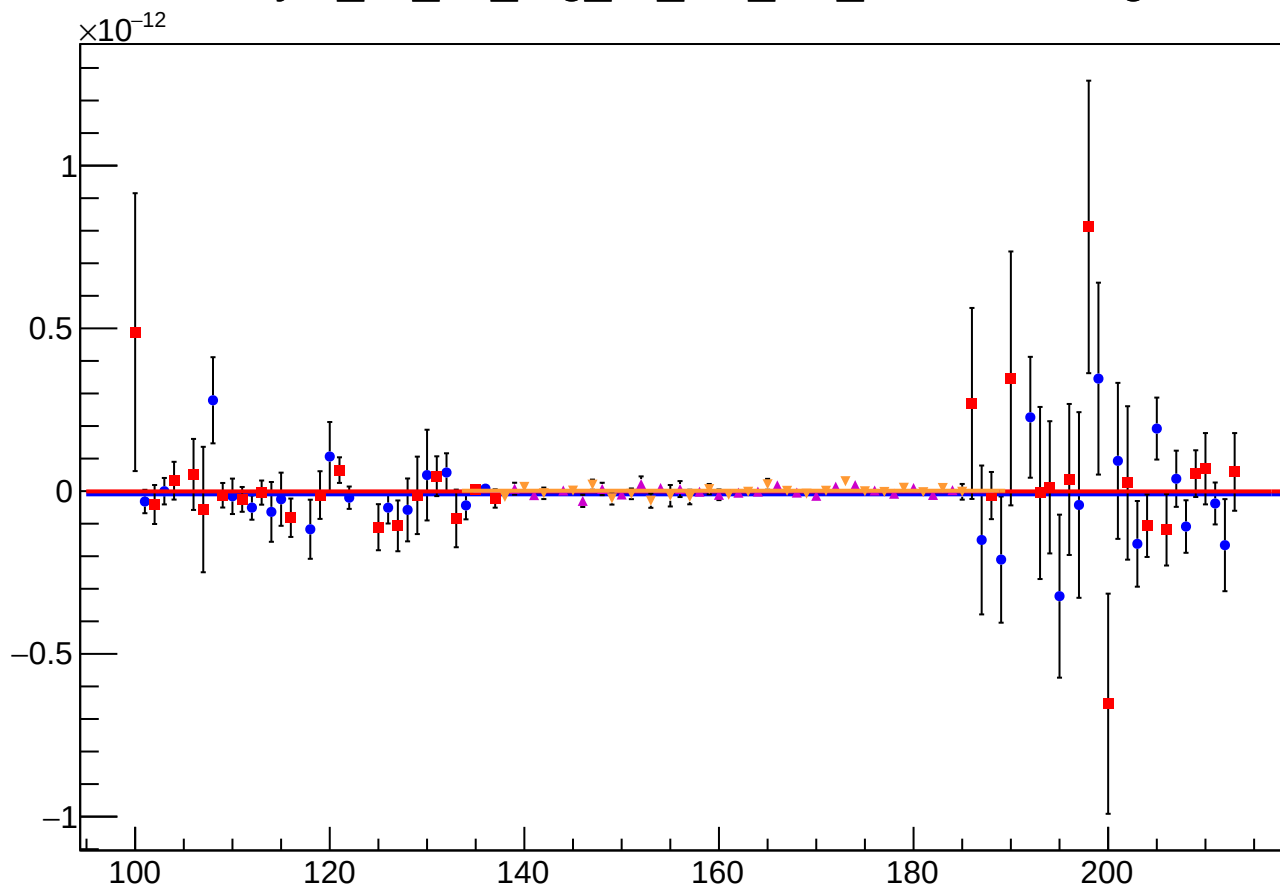
Left In: 931.562 $\pm$ 0.154 χ^2 /NDF: 48916.1/22

+ sign 1043.116 $\pm$ 0.126 χ^2 /NDF: 3456107.9/52

All: 1049.595 $\pm$ 0.089 χ^2 /NDF: 7773624.8/10

- sign 1056.133 $\pm$ 0.127 χ^2 /NDF: 4312211.9/54

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.6/31

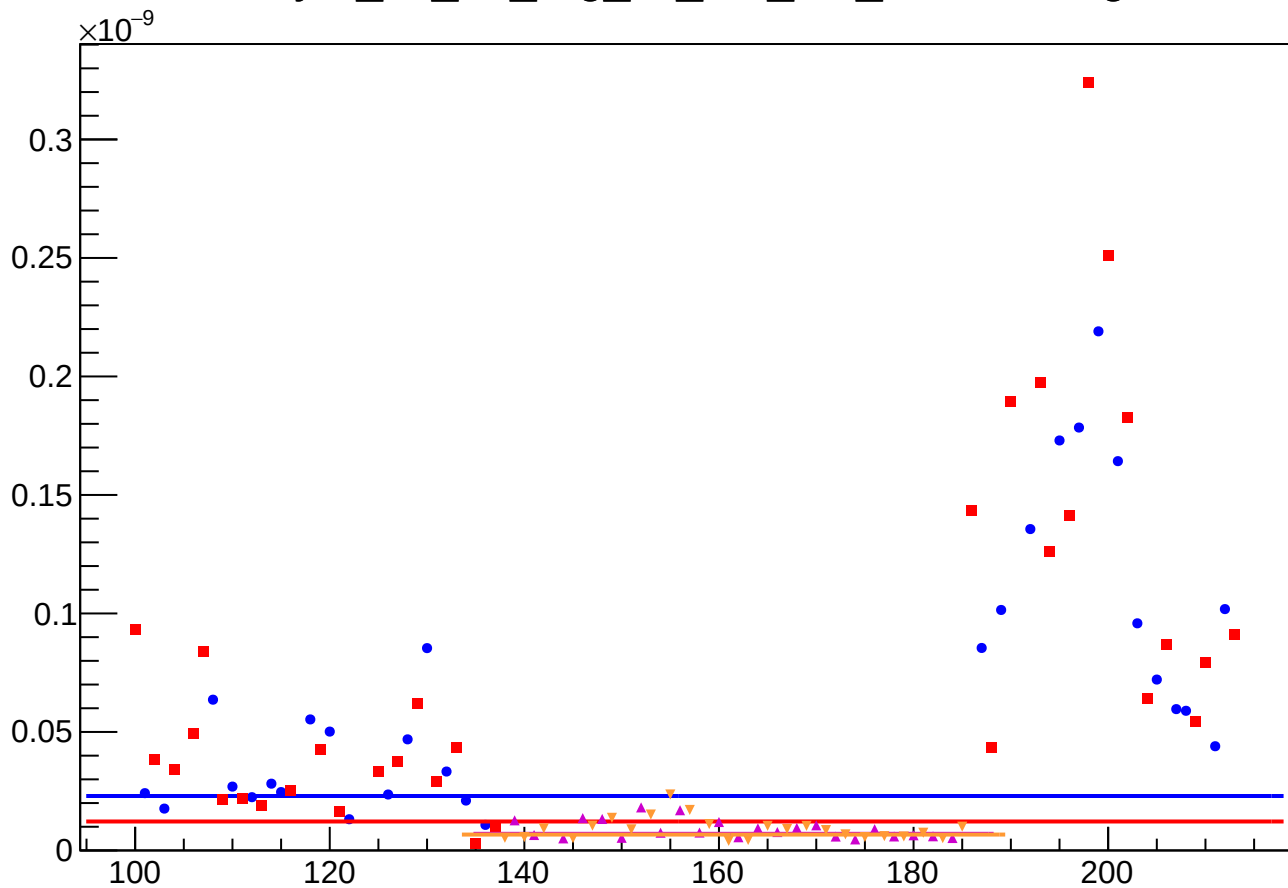
Left In: 0.000 ± 0.000 χ^2/NDF : 22.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.1/52

All: 0.000 ± 0.000 χ^2/NDF : 104.8/107

- sign 0.000 ± 0.000 χ^2/NDF : 48.7/54

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9503510.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 2928195.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 15703551.8/31

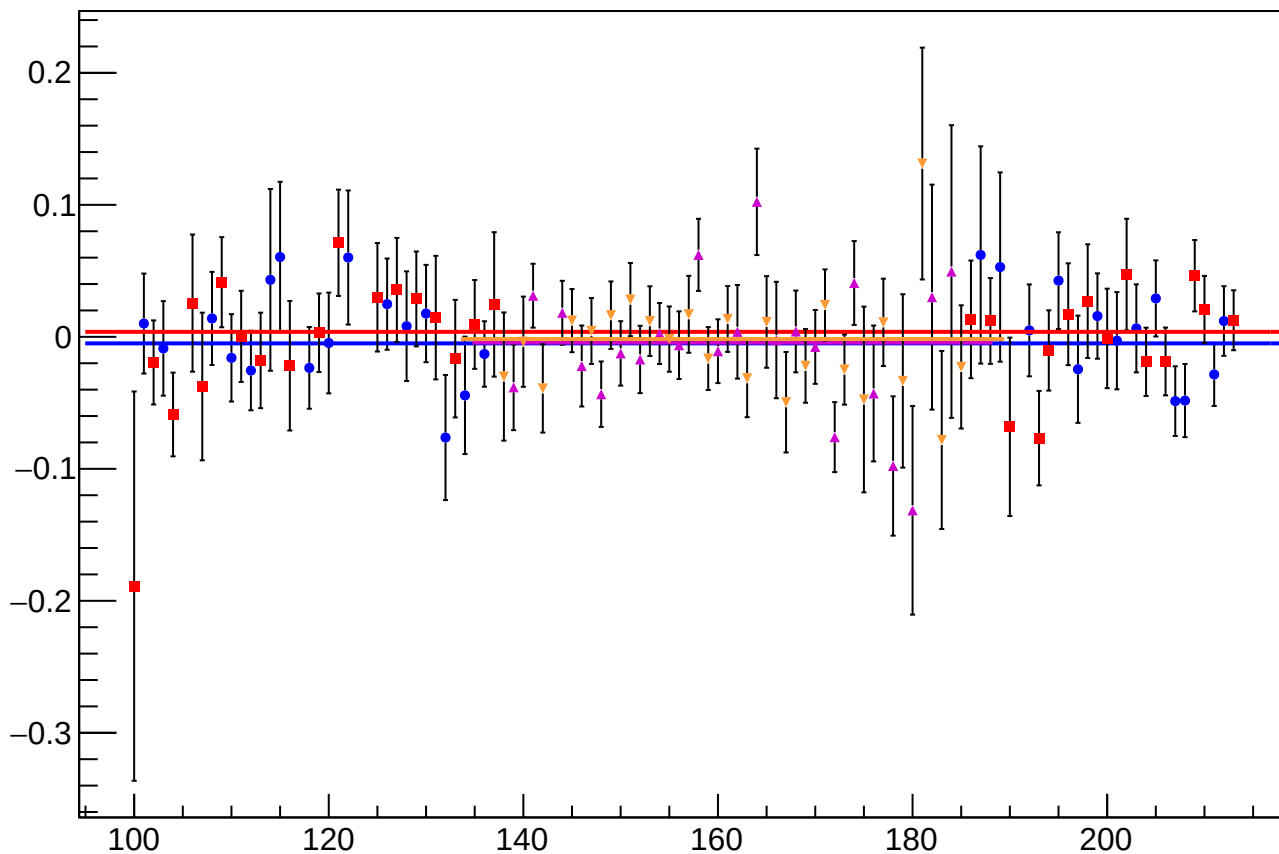
Left In: 0.000 ± 0.000 χ^2/NDF : 2443418.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 17669718.8/52

All: 0.000 ± 0.000 χ^2/NDF : 36775997.2/107

- sign 0.000 ± 0.000 χ^2/NDF : 19106272.7/54

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.006 χ^2/NDF : 21.0/28

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

Right Out: 0.004 ± 0.006 χ^2/NDF : 26.1/31

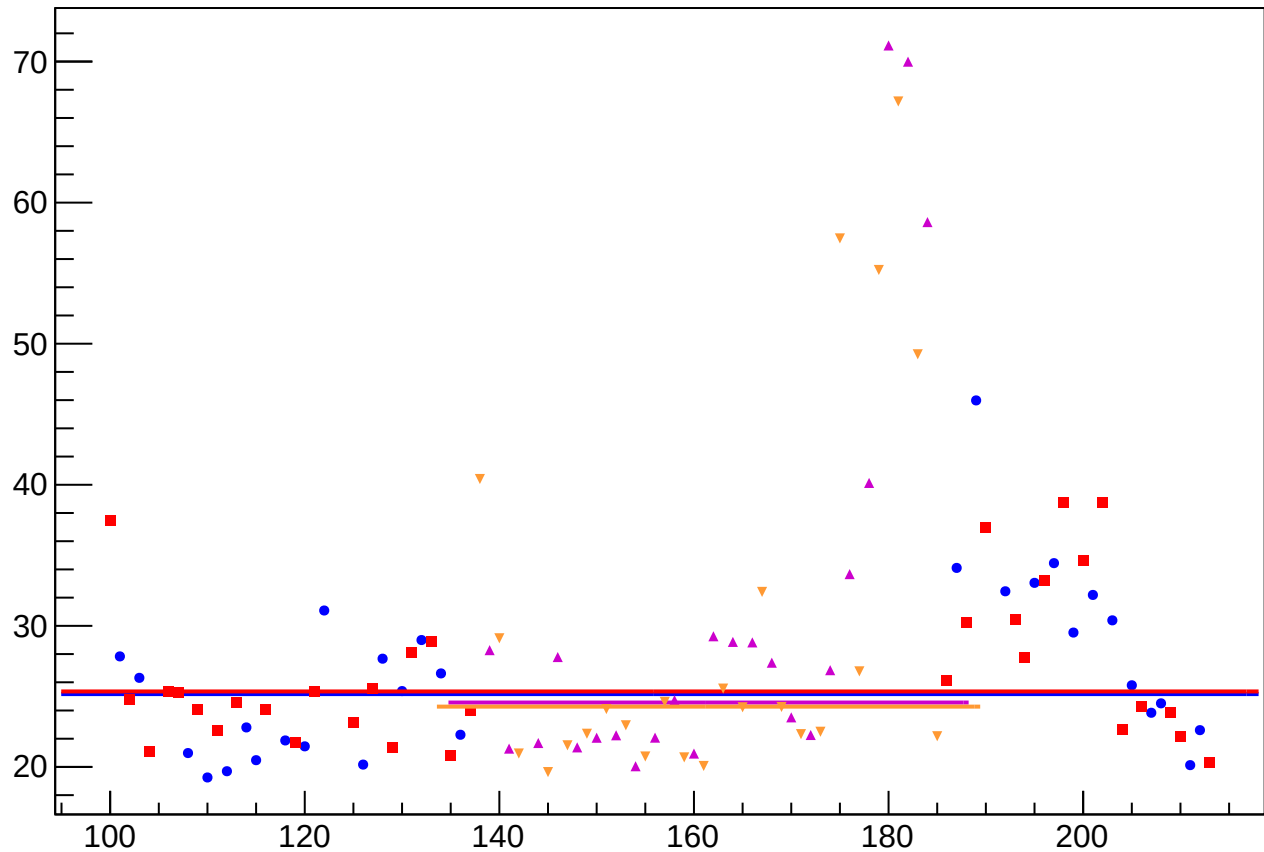
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.003 ± 0.005 χ^2/NDF : 35.8/52

All: -0.002 ± 0.003 χ^2/NDF : 99.5/107

- sign -0.000 ± 0.004 χ^2/NDF : 63.5/54

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.163 ± 0.005 χ^2/NDF : 1095621.6/28

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

Right Out: 25.351 ± 0.004 χ^2/NDF : 1103551.6/31

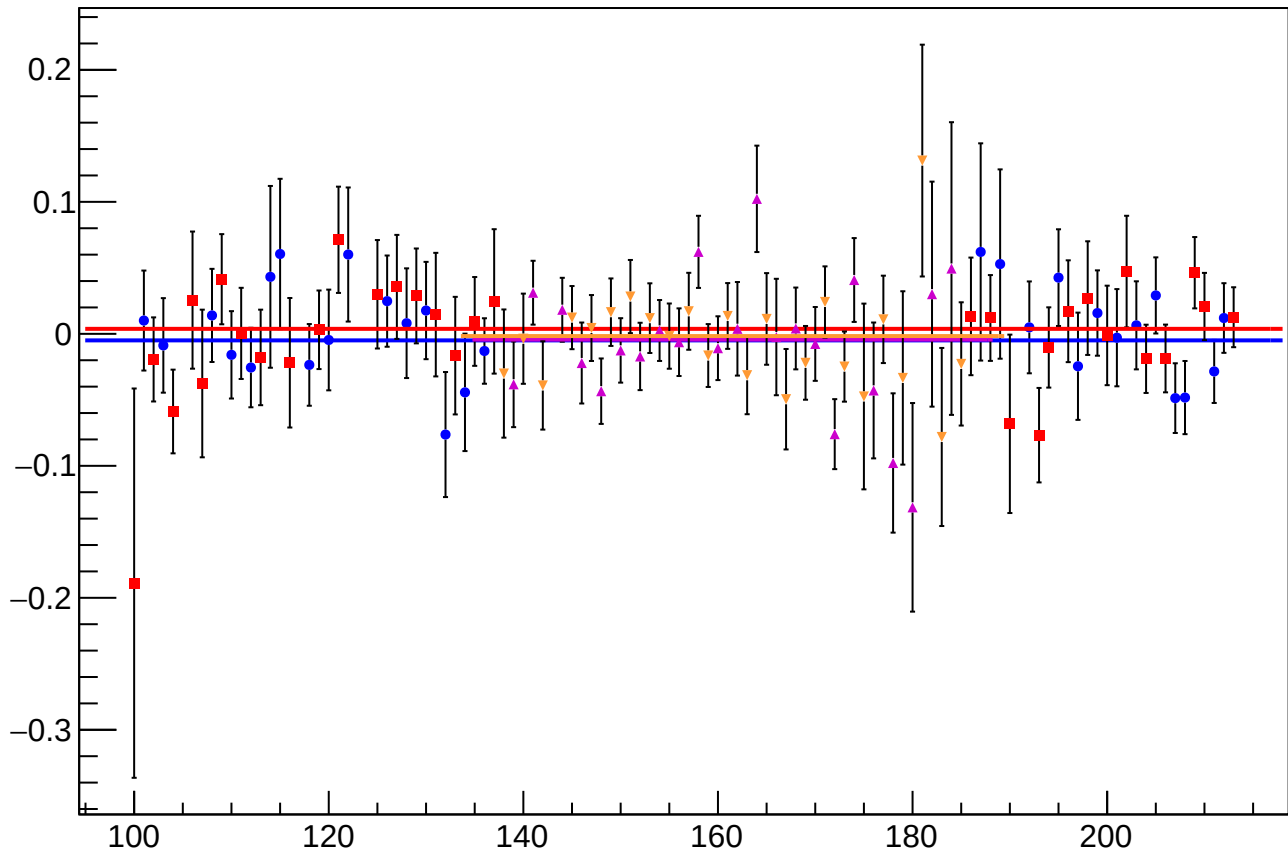
Left In: 24.565 ± 0.005 χ^2/NDF : 2132914.4/22

+ sign 24.710 ± 0.003 χ^2/NDF : 3425524.4/52

All: 24.839 ± 0.002 χ^2/NDF : 6680610.3/107

- sign 24.965 ± 0.003 χ^2/NDF : 3251875.6/54

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.006 χ^2/NDF : 21.0/28

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

Right Out: 0.004 ± 0.006 χ^2/NDF : 26.1/31

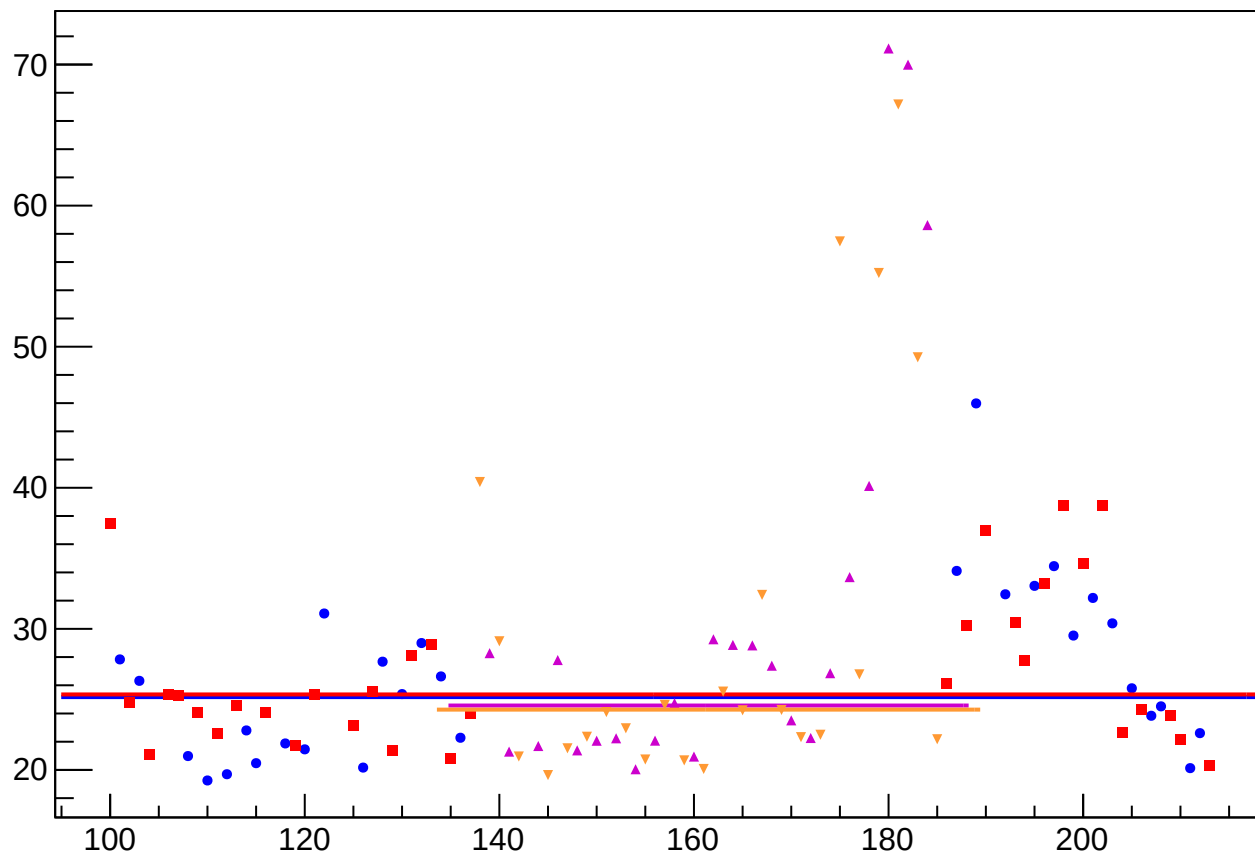
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.003 ± 0.005 χ^2/NDF : 35.8/52

All: -0.002 ± 0.003 χ^2/NDF : 99.5/107

- sign -0.000 ± 0.004 χ^2/NDF : 63.5/54

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.163 ± 0.005 $\chi^2/\text{NDF}: 1095621.6/28$

Left Out: 24.275 ± 0.004 $\chi^2/\text{NDF}: 2310679.0/23$

Right Out: 25.351 ± 0.004 $\chi^2/\text{NDF}: 1103551.6/31$

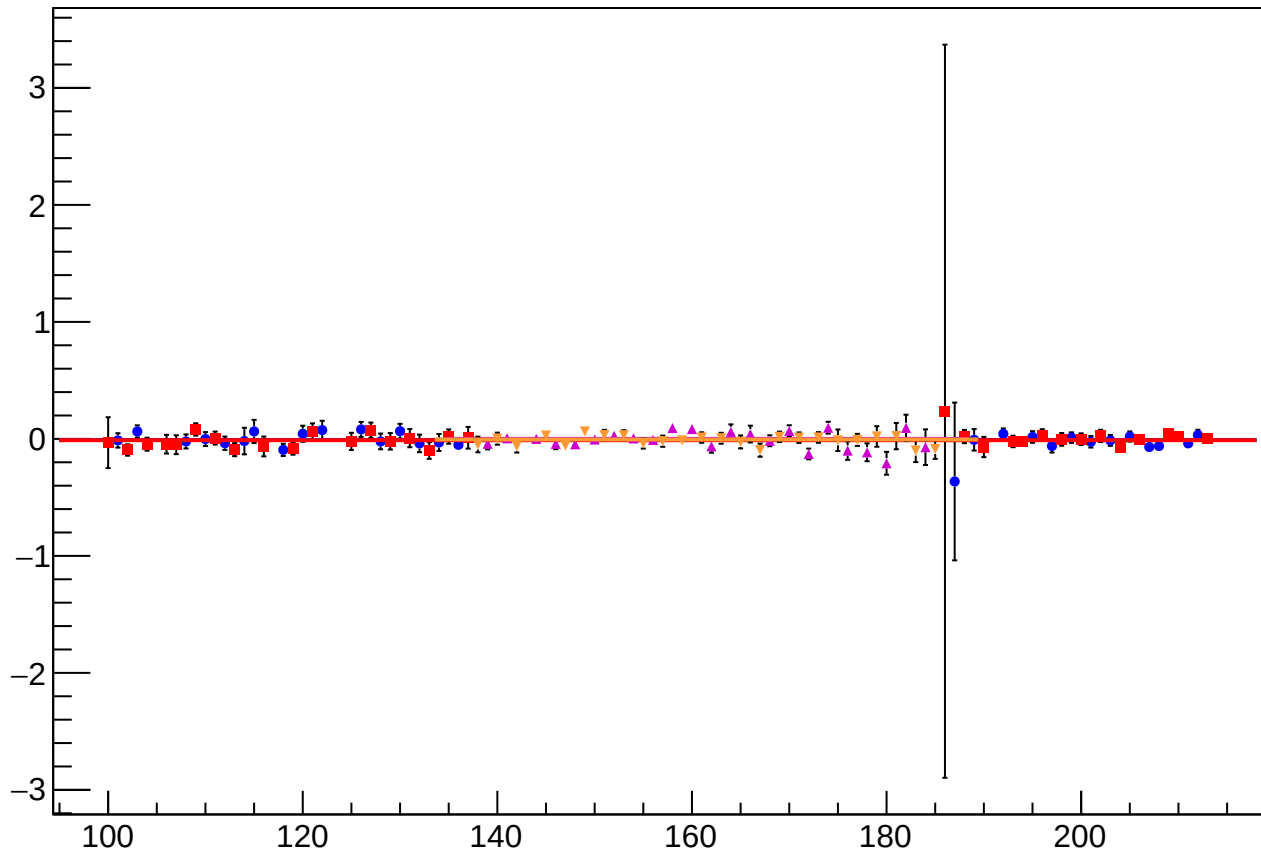
Left In: 24.565 ± 0.005 $\chi^2/\text{NDF}: 2132914.4/22$

+ sign 24.710 ± 0.003 $\chi^2/\text{NDF}: 3425524.4/52$

All: 24.839 ± 0.002 $\chi^2/\text{NDF}: 6680610.3/107$

- sign 24.965 ± 0.003 $\chi^2/\text{NDF}: 3251875.6/54$

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.009 ± 0.010 χ^2/NDF : 20.1/28

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

Right Out: -0.011 ± 0.010 χ^2/NDF : 23.0/31

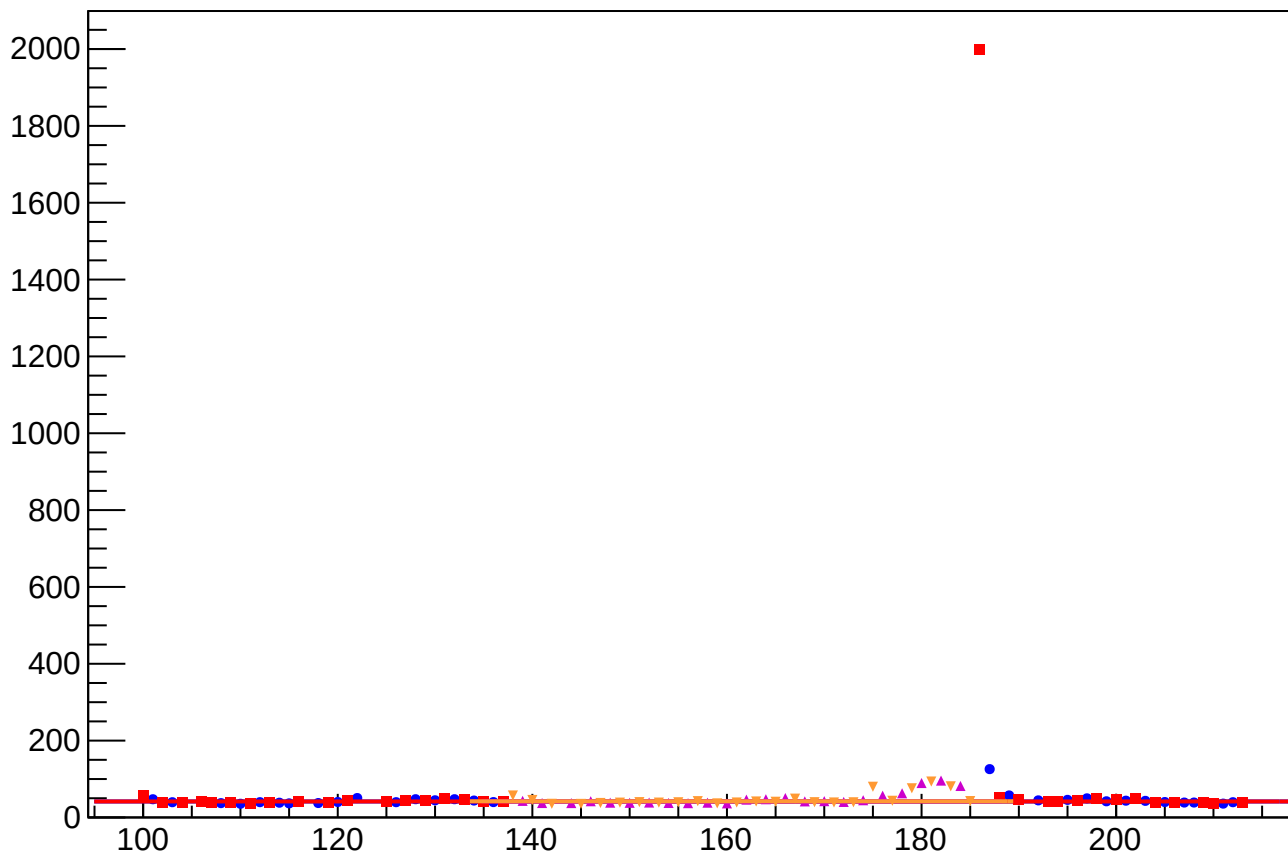
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.007 ± 0.007 χ^2/NDF : 34.0/52

All: -0.007 ± 0.005 χ^2/NDF : 95.6/107

- sign -0.006 ± 0.007 χ^2/NDF : 61.6/54

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.595+/-0.007 χ^2/NDF : 356891.8/28

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

Right Out: 41.647+/-0.007 χ^2/NDF : 1119093.3/31

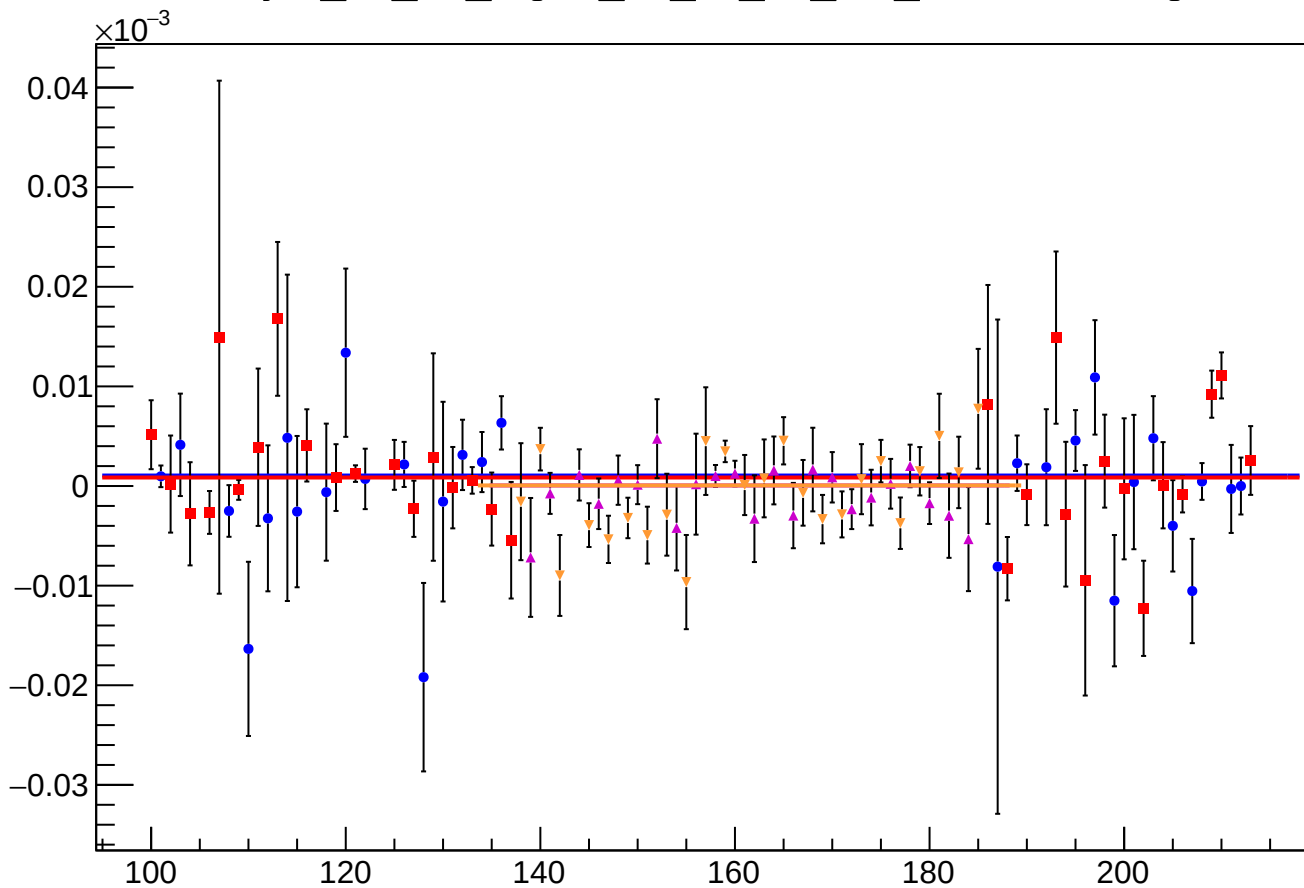
Left In: 42.078+/-0.007 χ^2/NDF :1543505.8/22

+ sign 41.839+/-0.005 χ^2/NDF : 2075212.9/52

All: 41.847+/-0.004 χ^2/NDF : 4739593.0/107

- sign 41.854+/-0.005 χ^2/NDF : 2664375.6/54

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:51.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.2/31

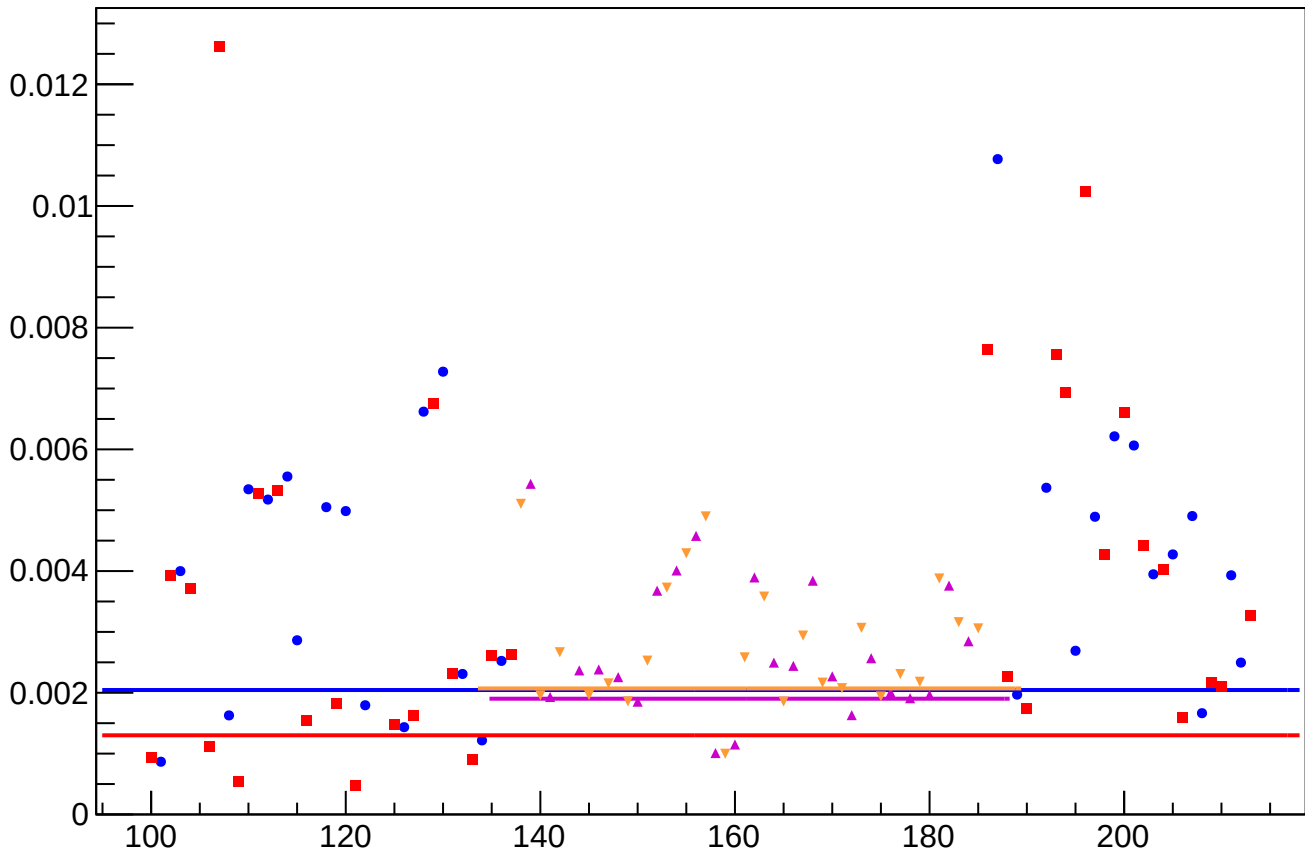
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.1/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 170.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 83.7/54

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 10447579.0/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5263163.7/23

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 15953483.0/31

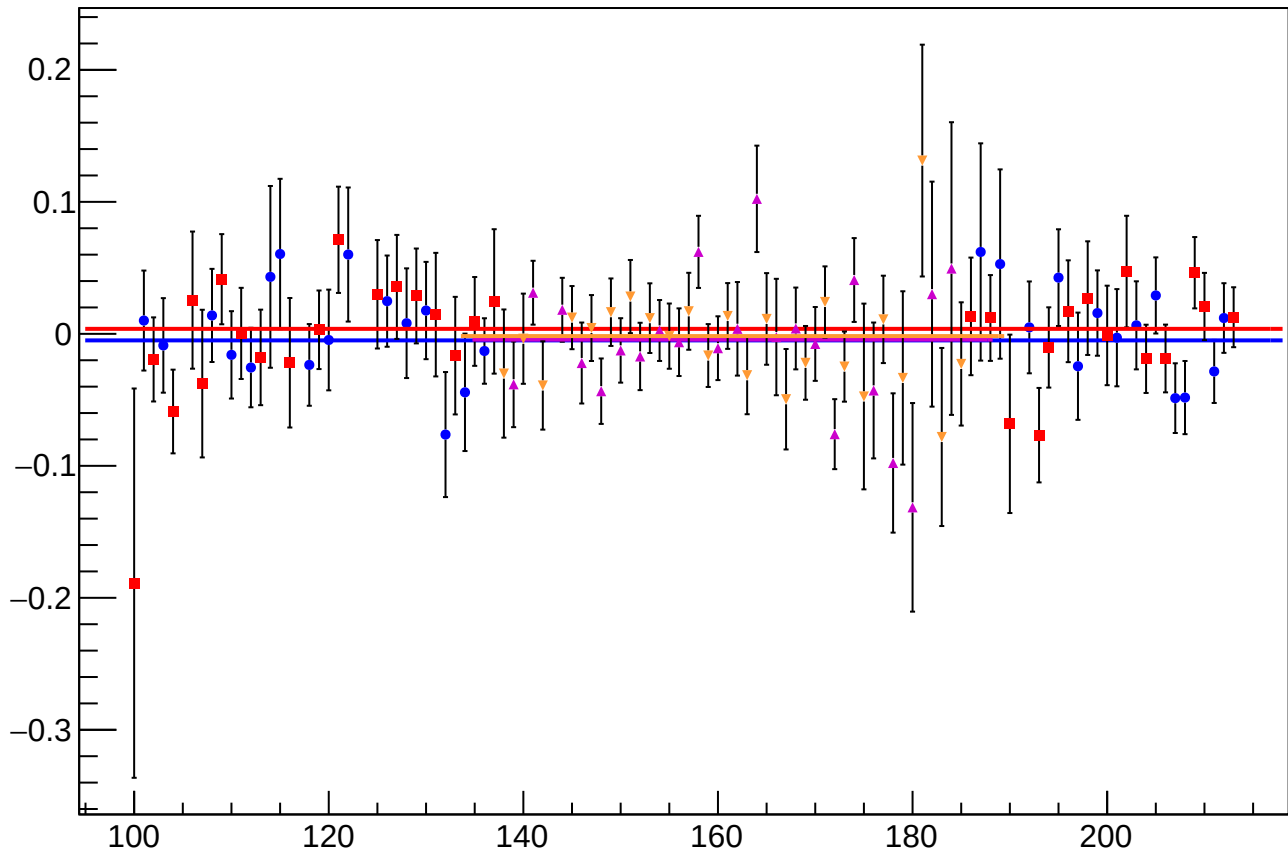
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5935945.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 15712818.5/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 41110487.9/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 23551253.2/54

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.006 χ^2/NDF : 21.0/28

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

Right Out: 0.004 ± 0.006 χ^2/NDF : 26.1/31

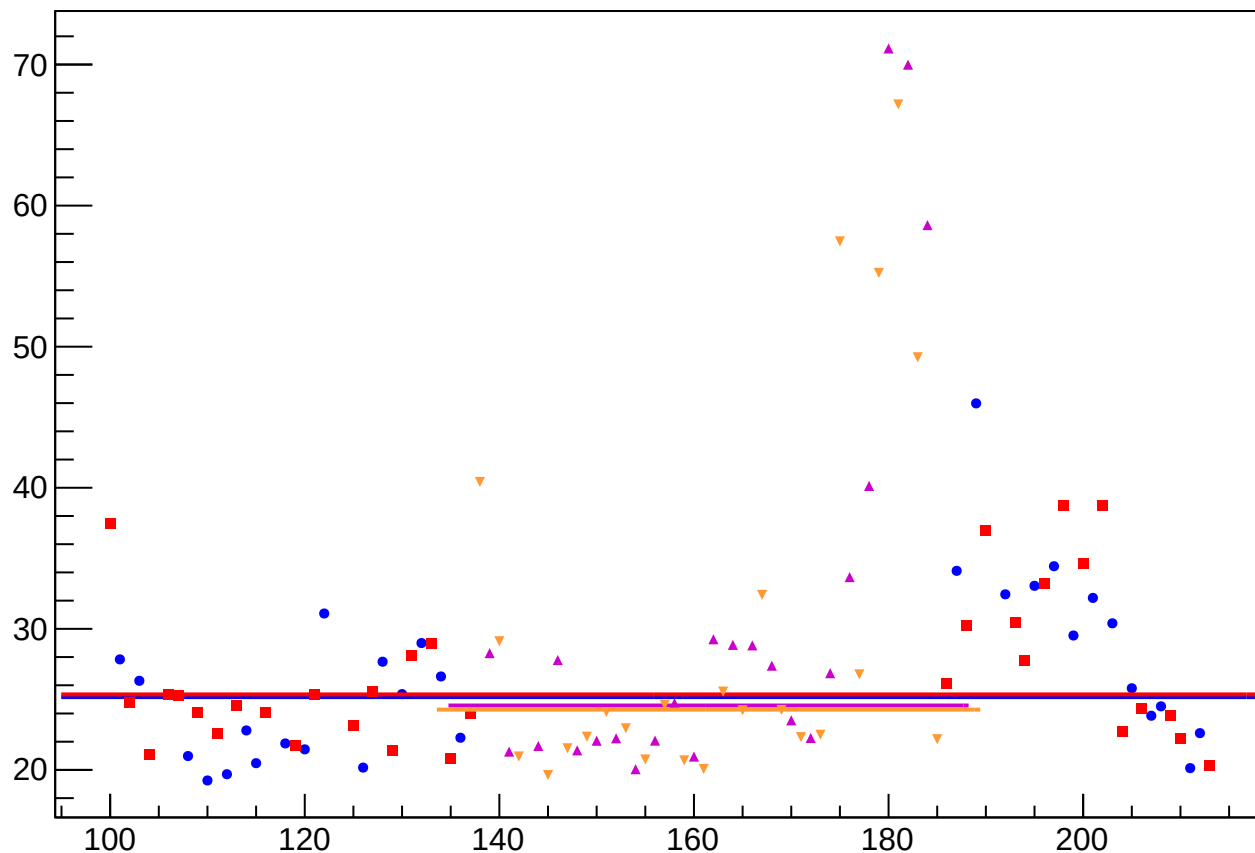
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.003 ± 0.005 χ^2/NDF : 35.8/52

All: -0.002 ± 0.003 χ^2/NDF : 99.5/107

- sign -0.000 ± 0.004 χ^2/NDF : 63.5/54

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.162 $\pm$ 0.005 χ^2 /NDF: 1095552.4/28

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310684.7/23

Right Out: 25.351 $\pm$ 0.004 χ^2 /NDF: 1103455.0/31

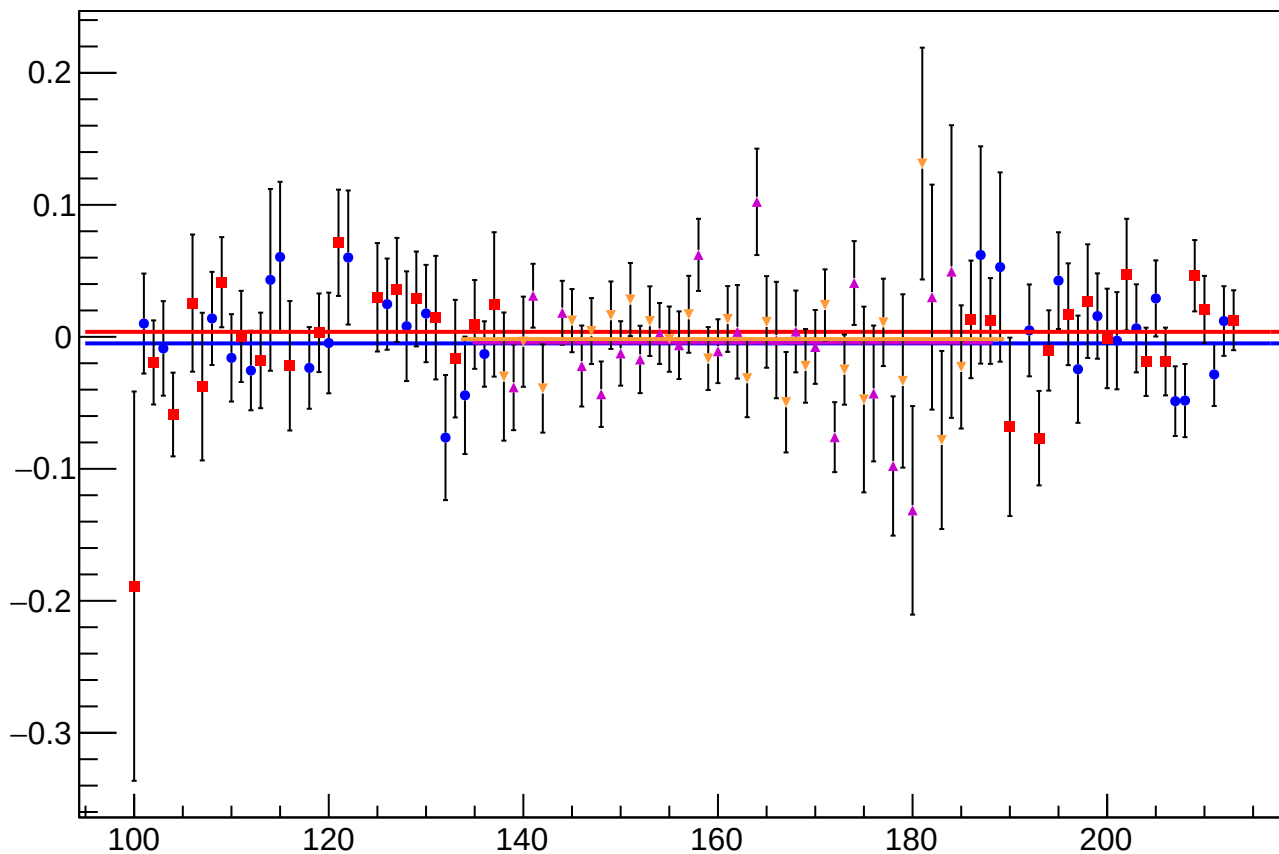
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132779.0/22

+ sign 24.710 $\pm$ 0.003 χ^2 /NDF: 3425449.0/52

All: 24.839 $\pm$ 0.002 χ^2 /NDF: 6680312.1/107

- sign 24.965 $\pm$ 0.003 χ^2 /NDF: 3251643.4/54

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.006 χ^2/NDF : 21.0/28

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

Right Out: 0.004 ± 0.006 χ^2/NDF : 26.1/31

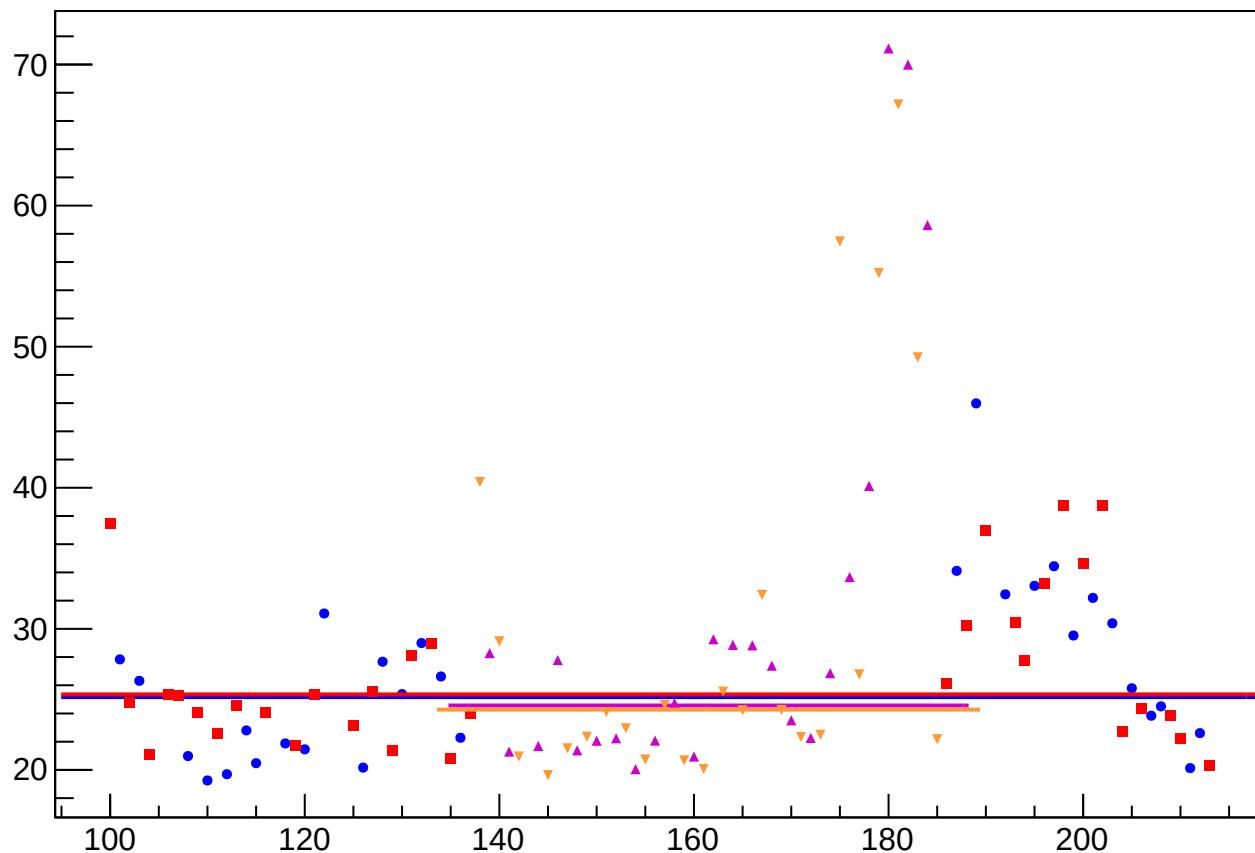
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.003 ± 0.005 χ^2/NDF : 35.8/52

All: -0.002 ± 0.003 χ^2/NDF : 99.5/107

- sign -0.000 ± 0.004 χ^2/NDF : 63.5/54

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.162 $\pm$ 0.005 χ^2 /NDF: 1095552.4/28

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310684.7/23

Right Out: 25.351 $\pm$ 0.004 χ^2 /NDF: 1103455.0/31

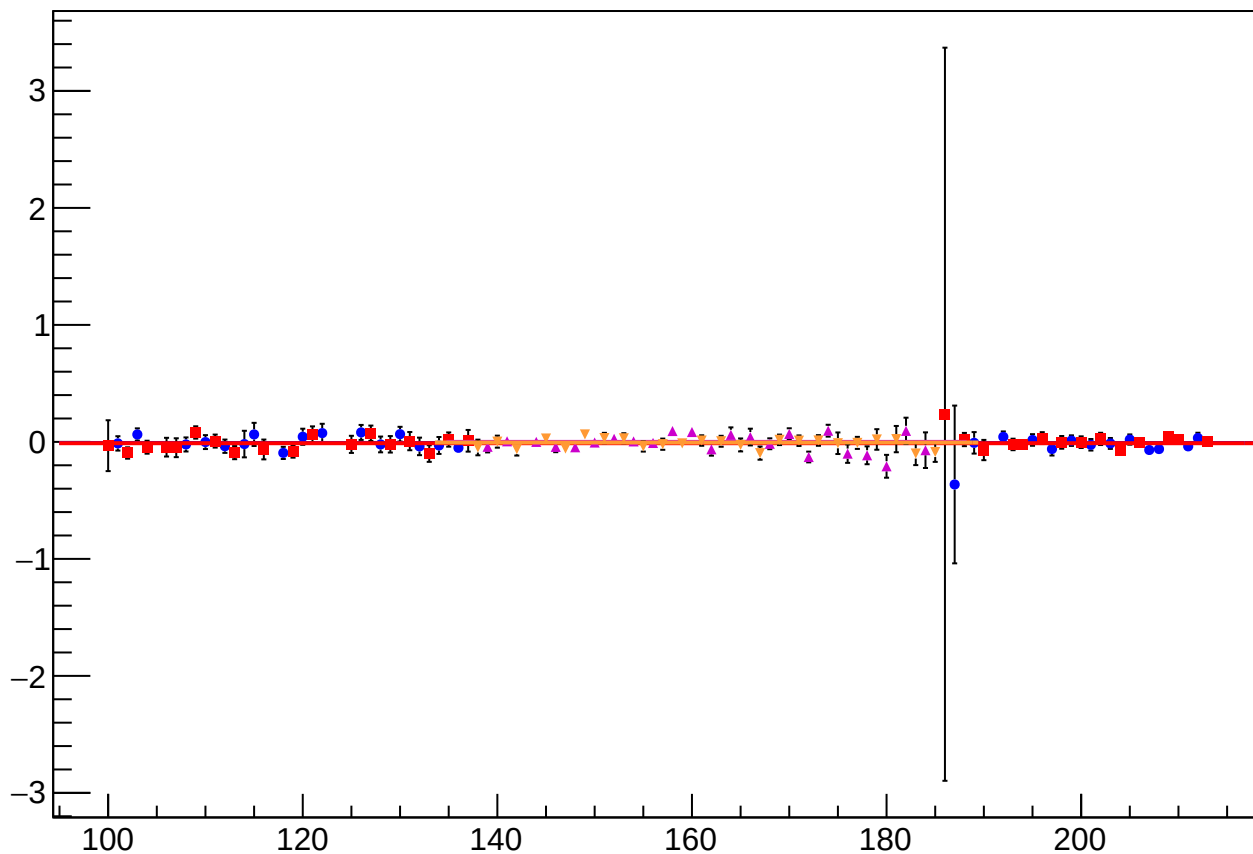
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132779.0/22

+ sign 24.710 $\pm$ 0.003 χ^2 /NDF: 3425449.0/52

All: 24.839 $\pm$ 0.002 χ^2 /NDF: 6680312.1/107

- sign 24.965 $\pm$ 0.003 χ^2 /NDF: 3251643.4/54

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.009 ± 0.010 χ^2/NDF : 20.1/28

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

Right Out: -0.011 ± 0.010 χ^2/NDF : 23.0/31

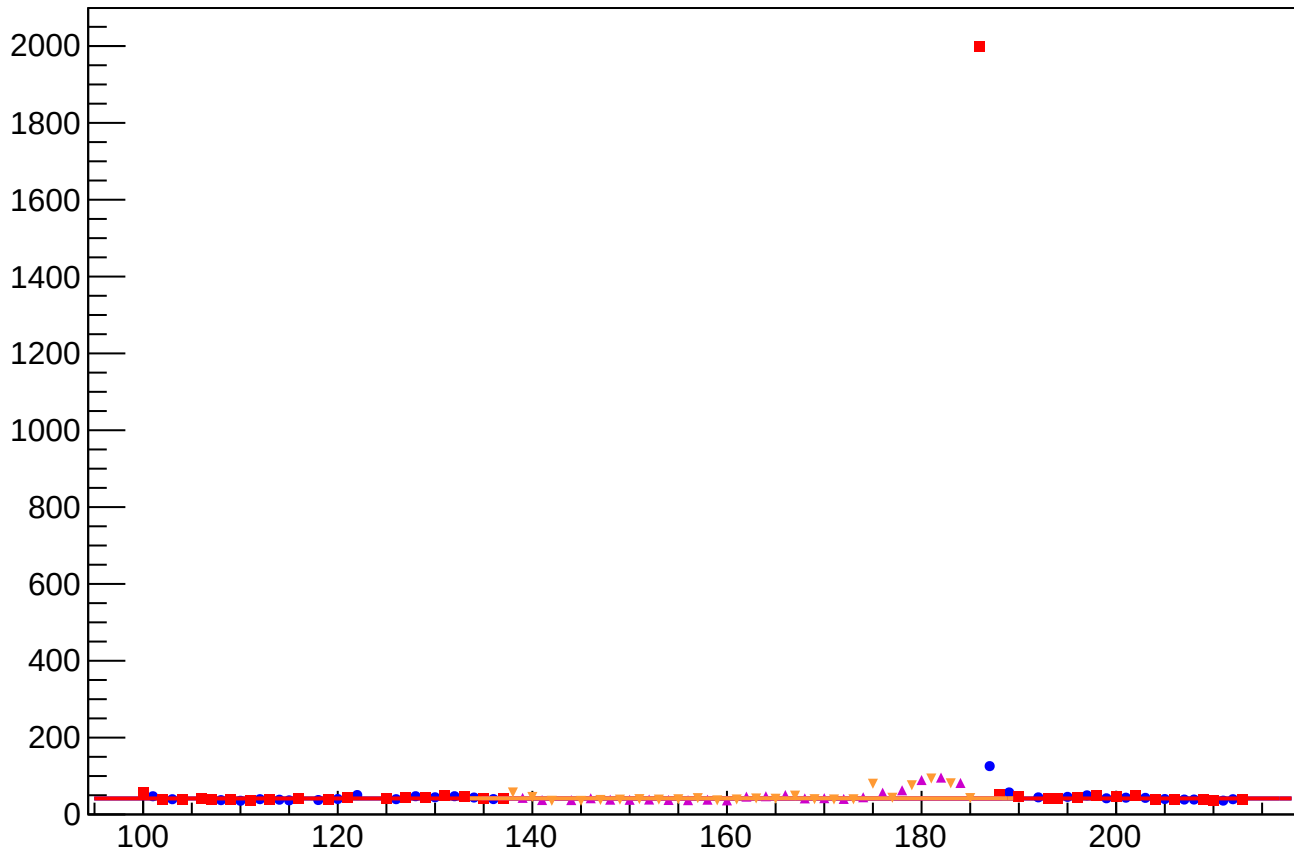
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.007 ± 0.007 χ^2/NDF : 34.0/52

All: -0.007 ± 0.005 χ^2/NDF : 95.6/107

- sign -0.006 ± 0.007 χ^2/NDF : 61.6/54

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.595+/-0.007 χ^2/NDF : 356837.2/28

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

Right Out: 41.647+/-0.007 χ^2/NDF : 1119081.6/31

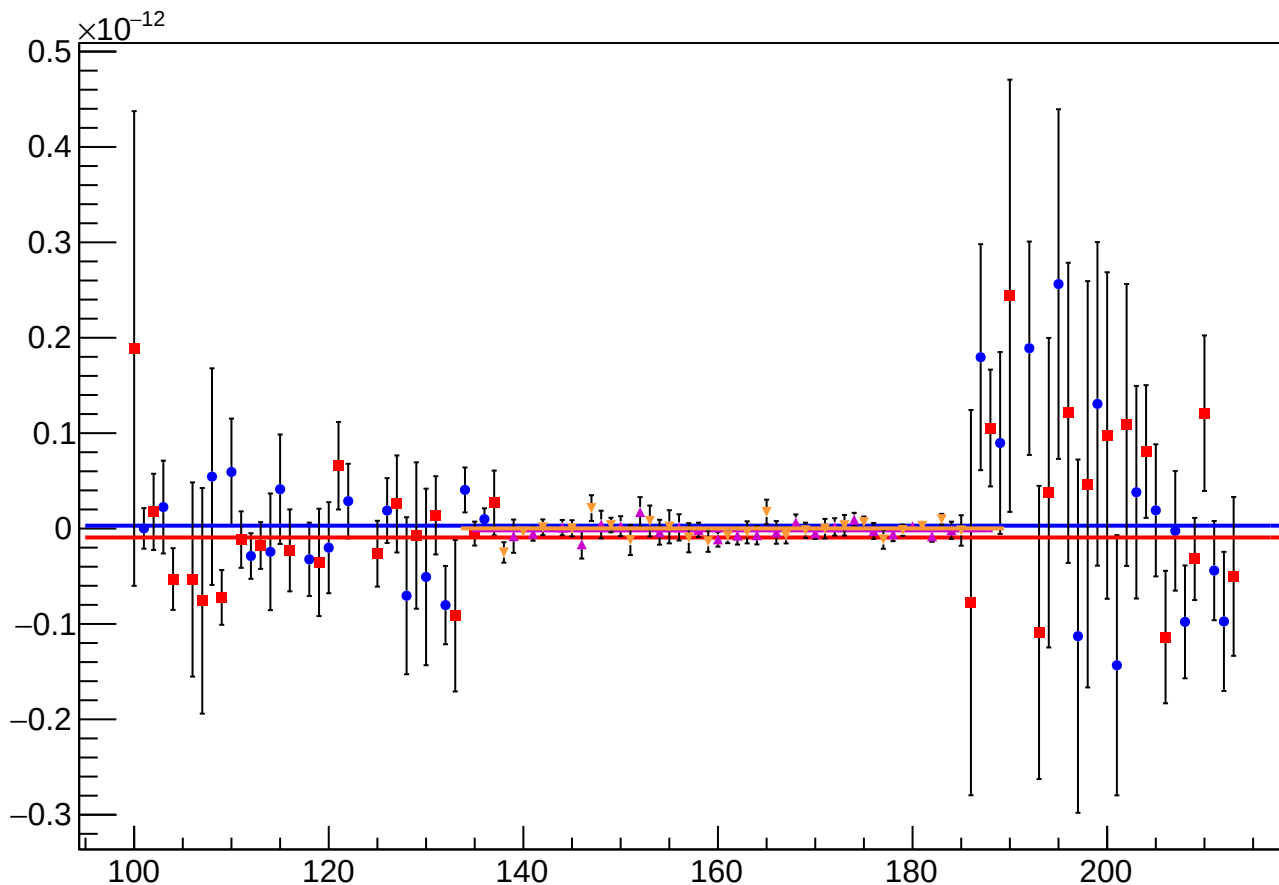
Left In: 42.078+/-0.007 χ^2/NDF : 1543481.3/22

+ sign 41.839+/-0.005 χ^2/NDF : 2075149.5/52

All: 41.847+/-0.004 χ^2/NDF : 4739494.0/107

- sign 41.855+/-0.005 χ^2/NDF : 2664340.0/54

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 28.8/31

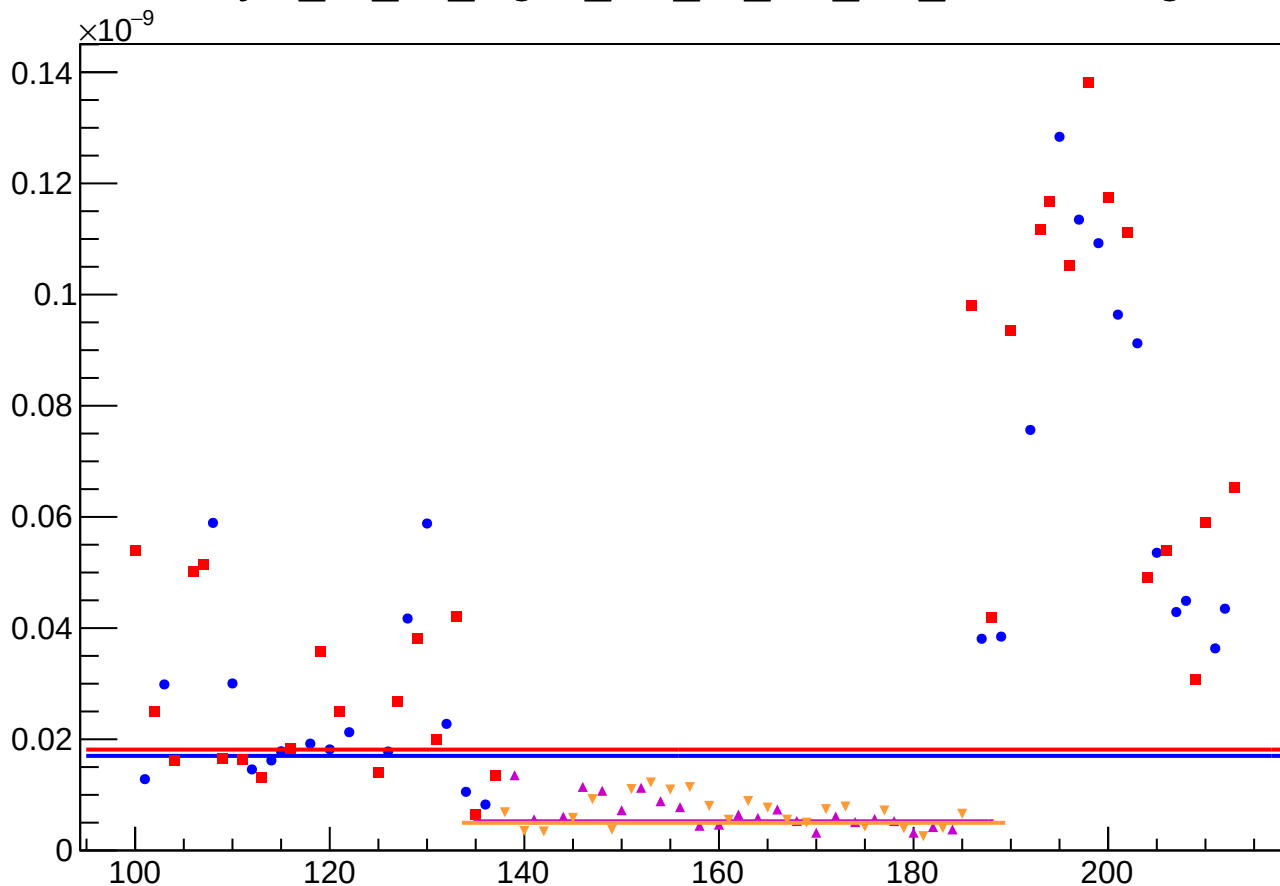
Left In: -0.000 ± 0.000 χ^2/NDF : 11.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 50.6/52

All: -0.000 ± 0.000 χ^2/NDF : 93.4/107

- sign -0.000 ± 0.000 χ^2/NDF : 41.5/54

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8649515.6/28

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

Right Out: 0.000+/-0.000 χ^2/NDF : 10250875.3/31

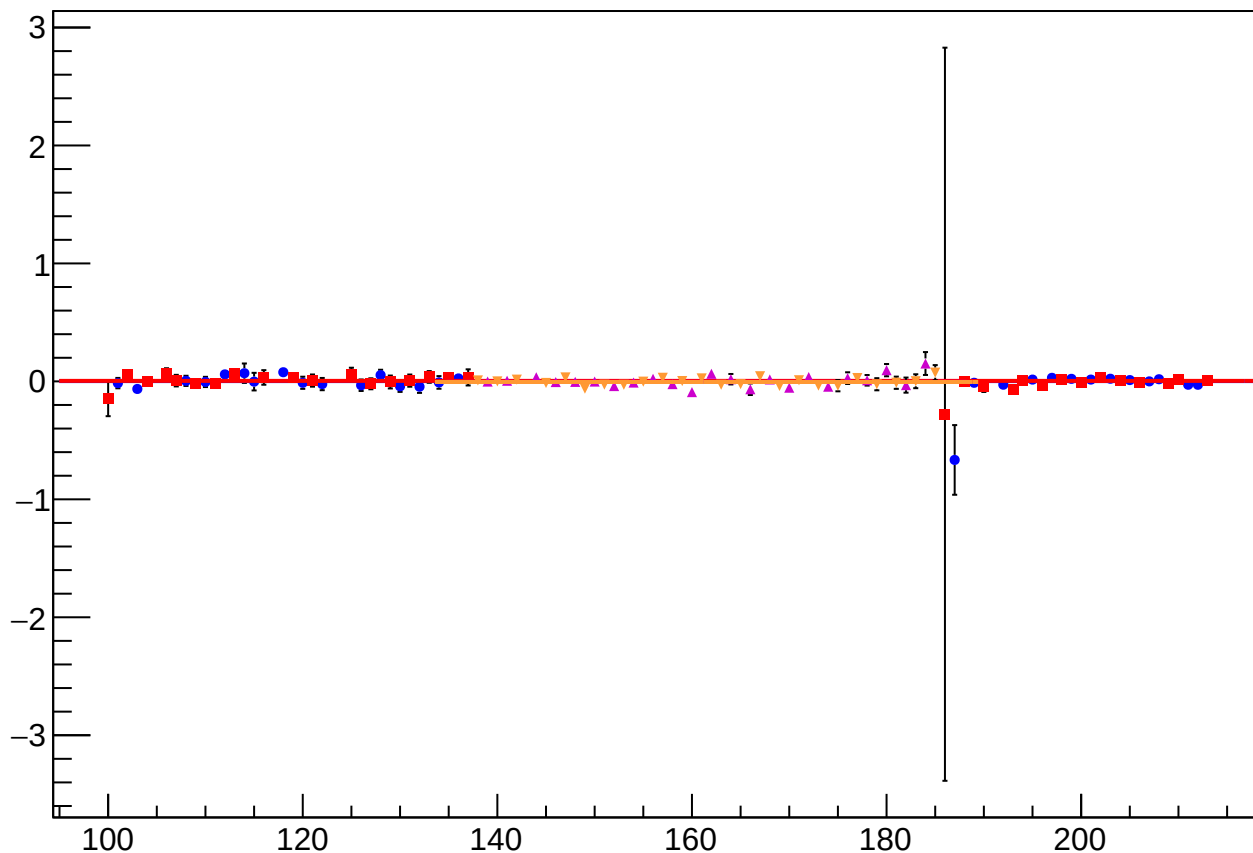
Left In: 0.000+/-0.000 χ^2/NDF : 2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 17722696.1/52

All: 0.000+/-0.000 χ^2/NDF : 36381824.7/107

- sign 0.000+/-0.000 χ^2/NDF : 18624275.9/54

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.007 χ^2 /NDF: 26.6/28

Left Out: -0.005 $\pm$ 0.007 χ^2 /NDF:16.7/23

Right Out: 0.004 $\pm$ 0.006 χ^2 /NDF: 23.5/31

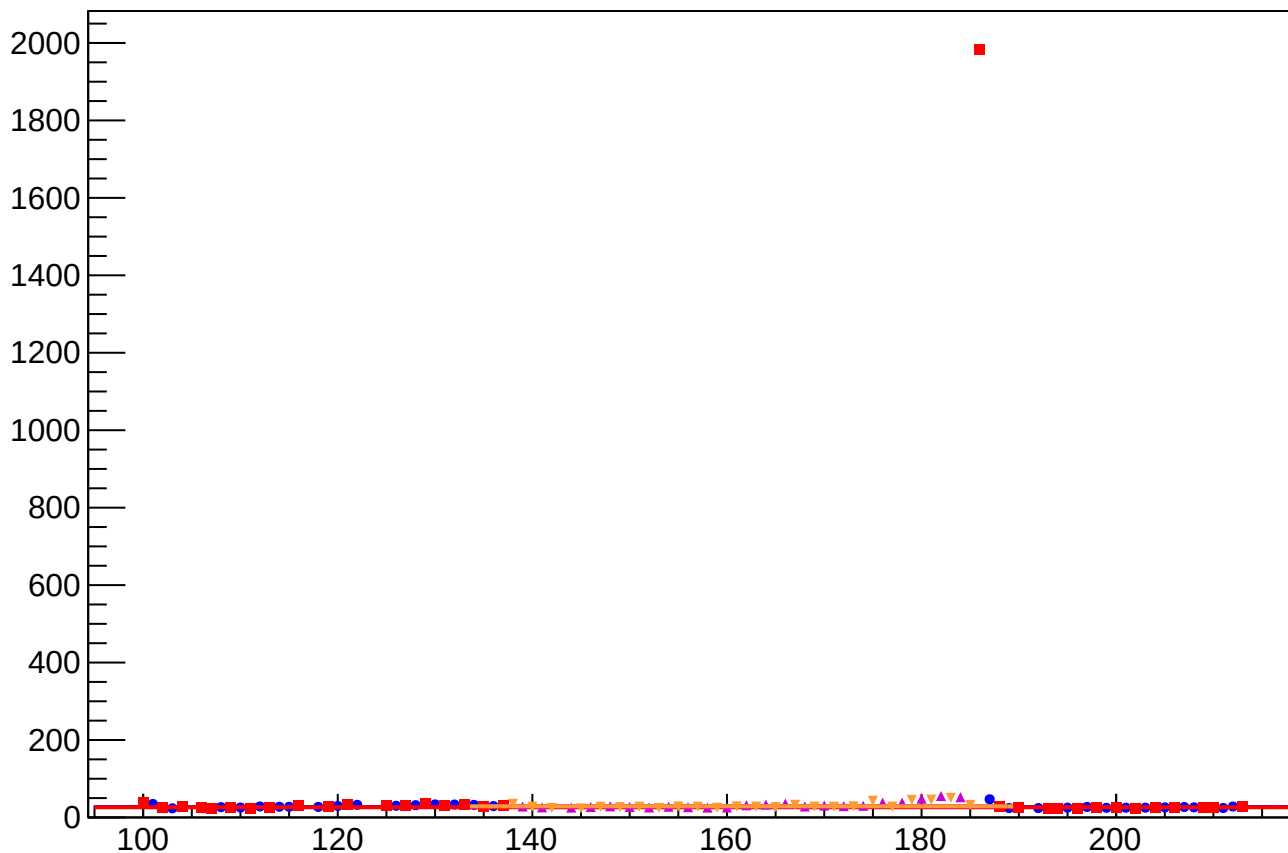
Left In: -0.004 $\pm$ 0.007 χ^2 /NDF:31.2/22

+ sign -0.001 $\pm$ 0.005 χ^2 /NDF: 44.0/52

All: -0.000 $\pm$ 0.003 χ^2 /NDF: 99.6/107

- sign 0.001 $\pm$ 0.005 χ^2 /NDF: 55.5/54

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.899+/-0.005 χ^2/NDF : 350055.2/28

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

Right Out: 26.397+/-0.005 χ^2/NDF : 1116245.9/31

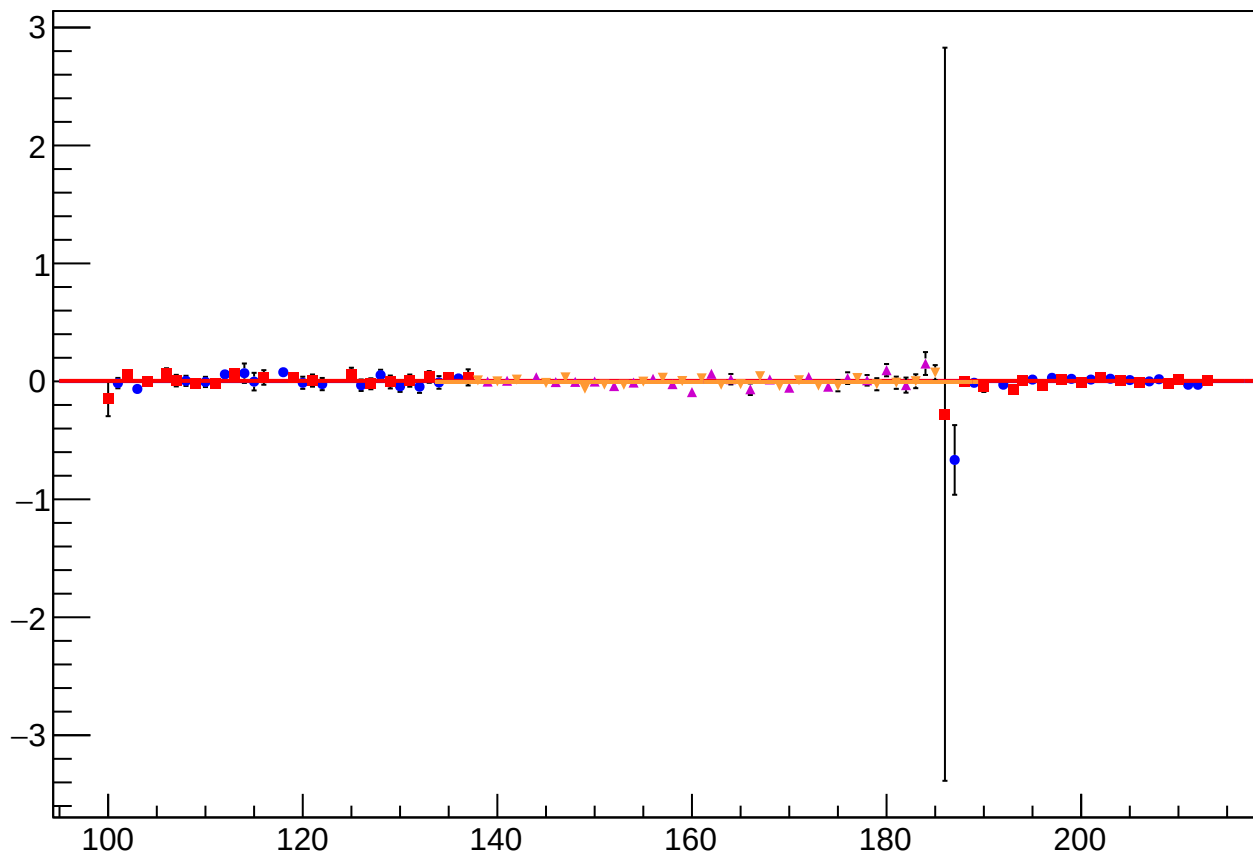
Left In: 29.255+/-0.005 χ^2/NDF : 1140337.0/22

+ sign 27.797+/-0.003 χ^2/NDF : 1595060.8/52

All: 27.736+/-0.002 χ^2/NDF : 4027154.4/107

- sign 27.678+/-0.003 χ^2/NDF : 2431491.2/54

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.007 χ^2/NDF : 26.6/28

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

Right Out: 0.004 ± 0.006 χ^2/NDF : 23.5/31

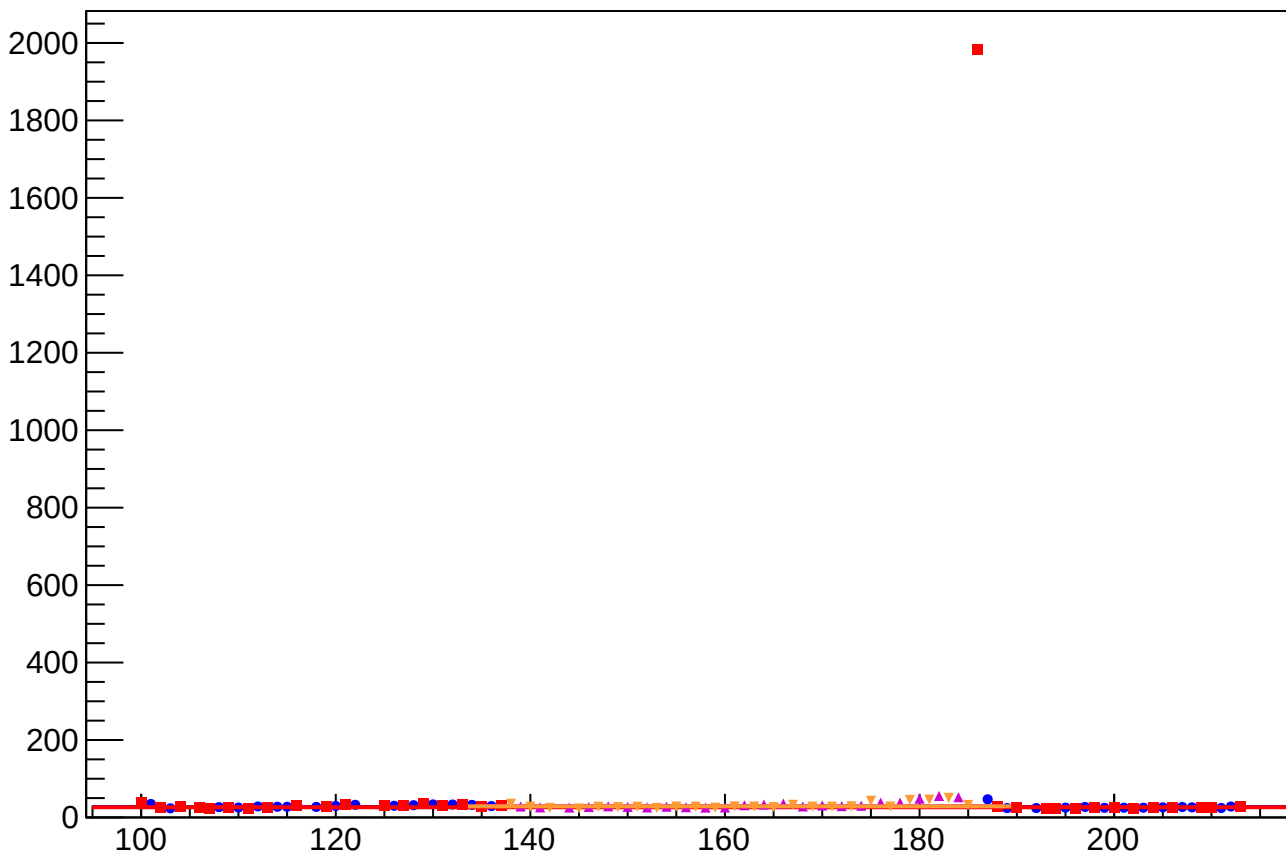
Left In: -0.004 ± 0.007 χ^2/NDF : 31.2/22

+ sign -0.001 ± 0.005 χ^2/NDF : 44.0/52

All: -0.000 ± 0.003 χ^2/NDF : 99.6/107

- sign 0.001 ± 0.005 χ^2/NDF : 55.5/54

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.899+/-0.005 χ^2/NDF : 350055.2/28

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

Right Out: 26.397+/-0.005 χ^2/NDF : 1116245.9/31

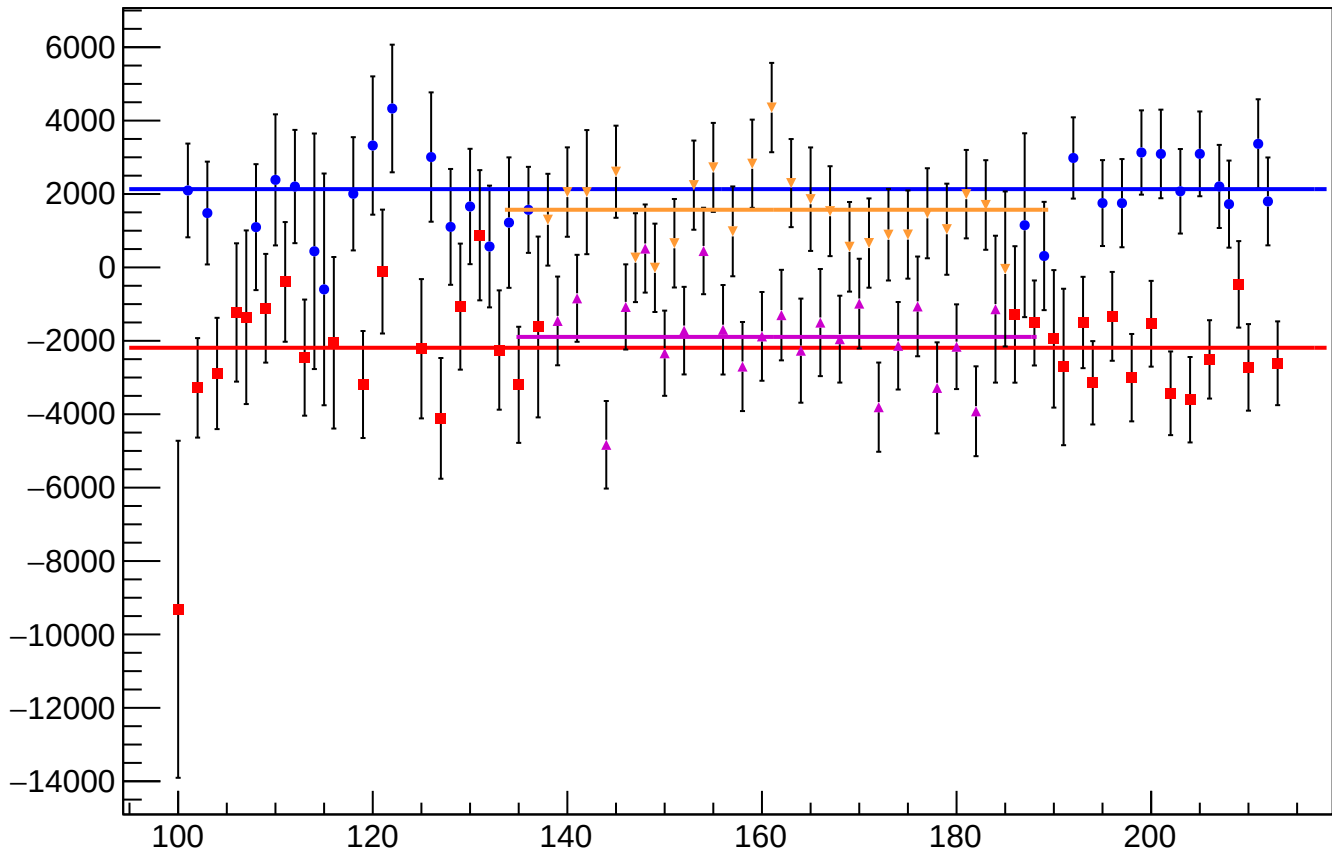
Left In: 29.255+/-0.005 χ^2/NDF : 1140337.0/22

+ sign 27.797+/-0.003 χ^2/NDF : 1595060.8/52

All: 27.736+/-0.002 χ^2/NDF : 4027154.4/107

- sign 27.678+/-0.003 χ^2/NDF : 2431491.2/54

reg_asym_usl_mean vs Slug



Right In: 2132.993 ± 261.397 $\chi^2/\text{NDF}: 11.6/28$

Left Out: 1571.055 ± 256.536 $\chi^2/\text{NDF}: 15.4/23$

Right Out: -2189.323 ± 252.835 $\chi^2/\text{NDF}: 20.8/32$

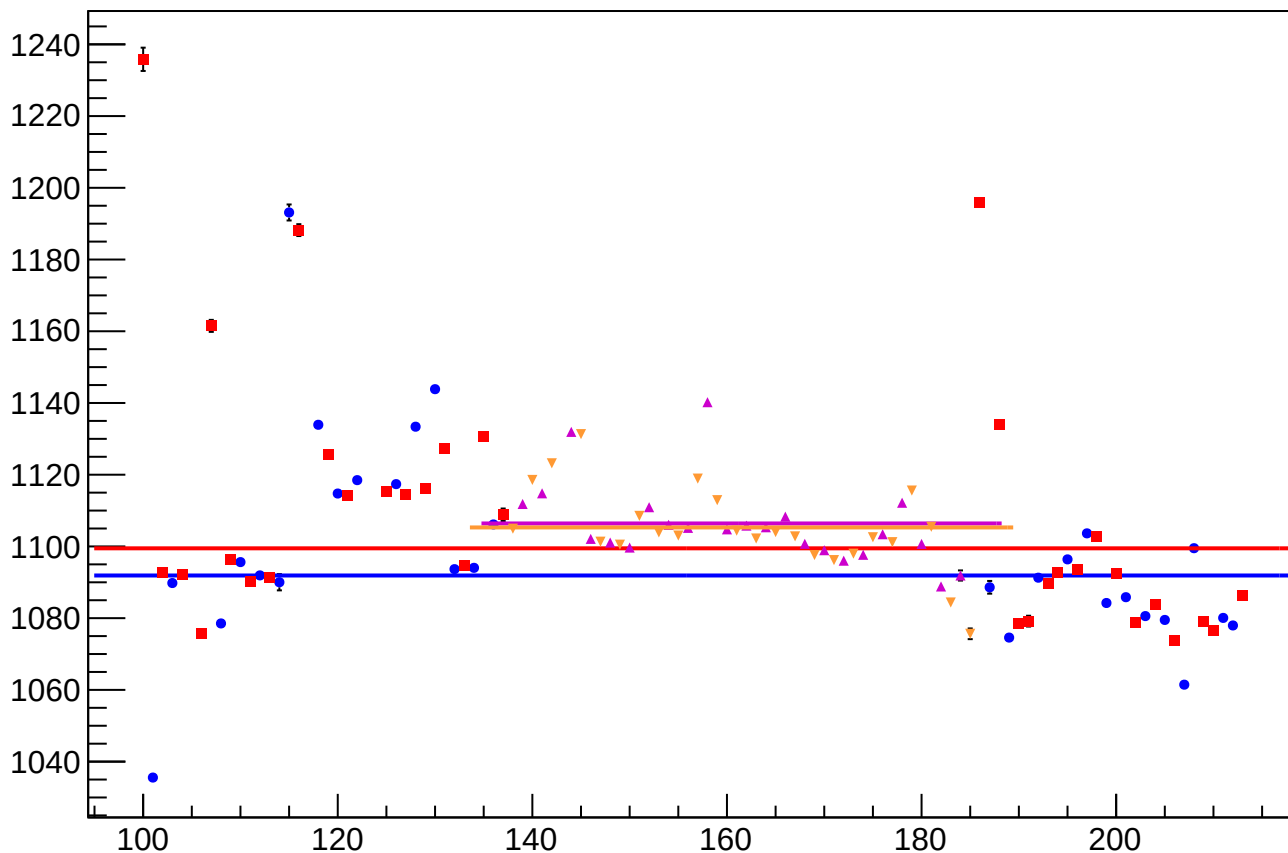
Left In: -1893.347 ± 258.339 $\chi^2/\text{NDF}: 24.1/22$

+ sign 1846.750 ± 183.093 $\chi^2/\text{NDF}: 29.3/52$

All: -124.522 ± 128.610 $\chi^2/\text{NDF}: 303.7/108$

- sign -2044.521 ± 180.696 $\chi^2/\text{NDF}: 45.6/55$

reg_asym_usl_rms vs Slug



Right In: 1091.898 $\pm$ 0.185 χ^2 /NDF: 15668.7/28

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF:3161.8/23

Right Out: 1099.472 $\pm$ 0.179 χ^2 /NDF: 20903.6/32

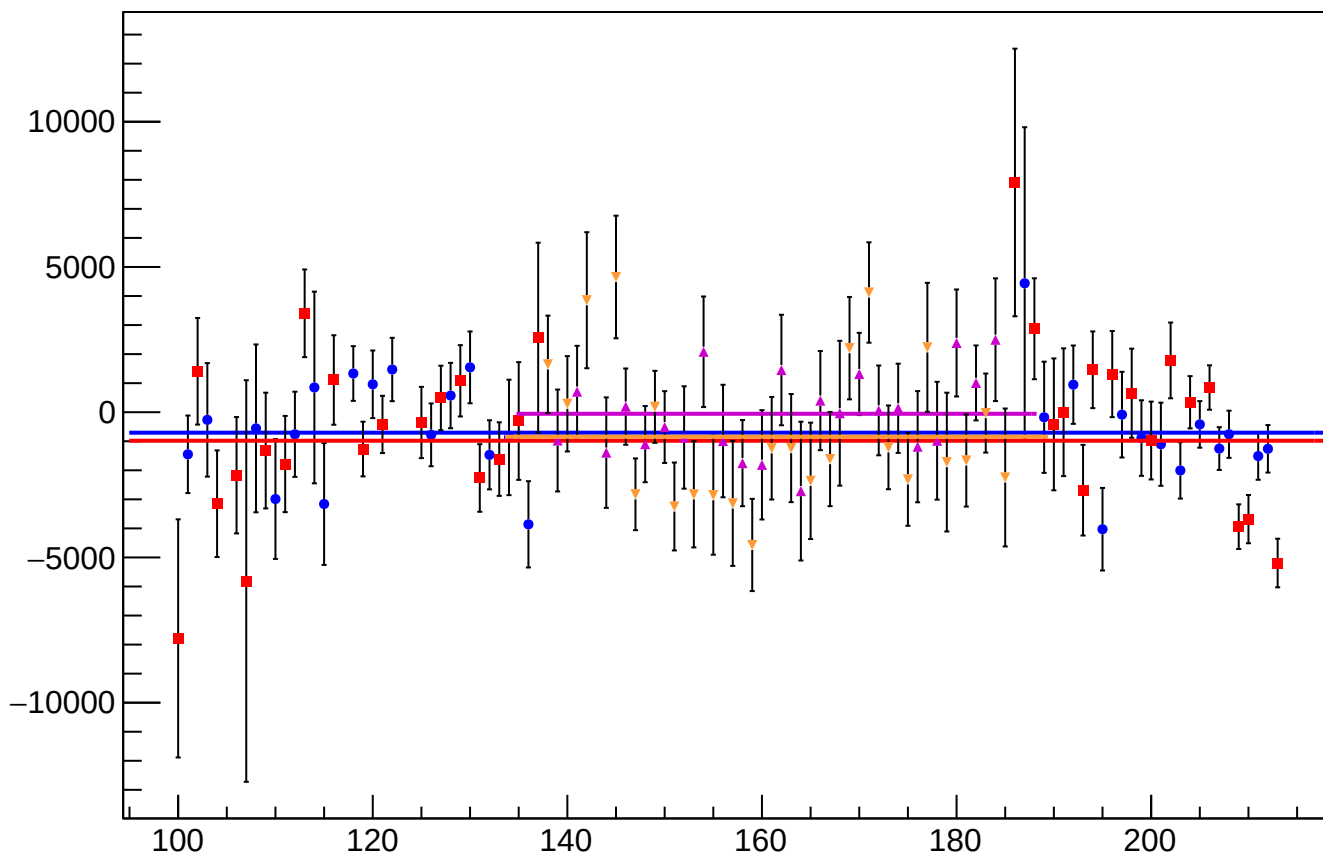
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1098.722 $\pm$ 0.129 χ^2 /NDF: 21506.0/52

All: 1100.820 $\pm$ 0.091 χ^2 /NDF: 47440.2/108

- sign 1102.864 $\pm$ 0.128 χ^2 /NDF: 25415.7/55

asym_usl_reg_correction_mean vs Slug



Right In: -704.929 ± 222.197 χ^2/NDF : 35.6/28

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

Right Out: -982.138 ± 225.255 χ^2/NDF : 105.4/32

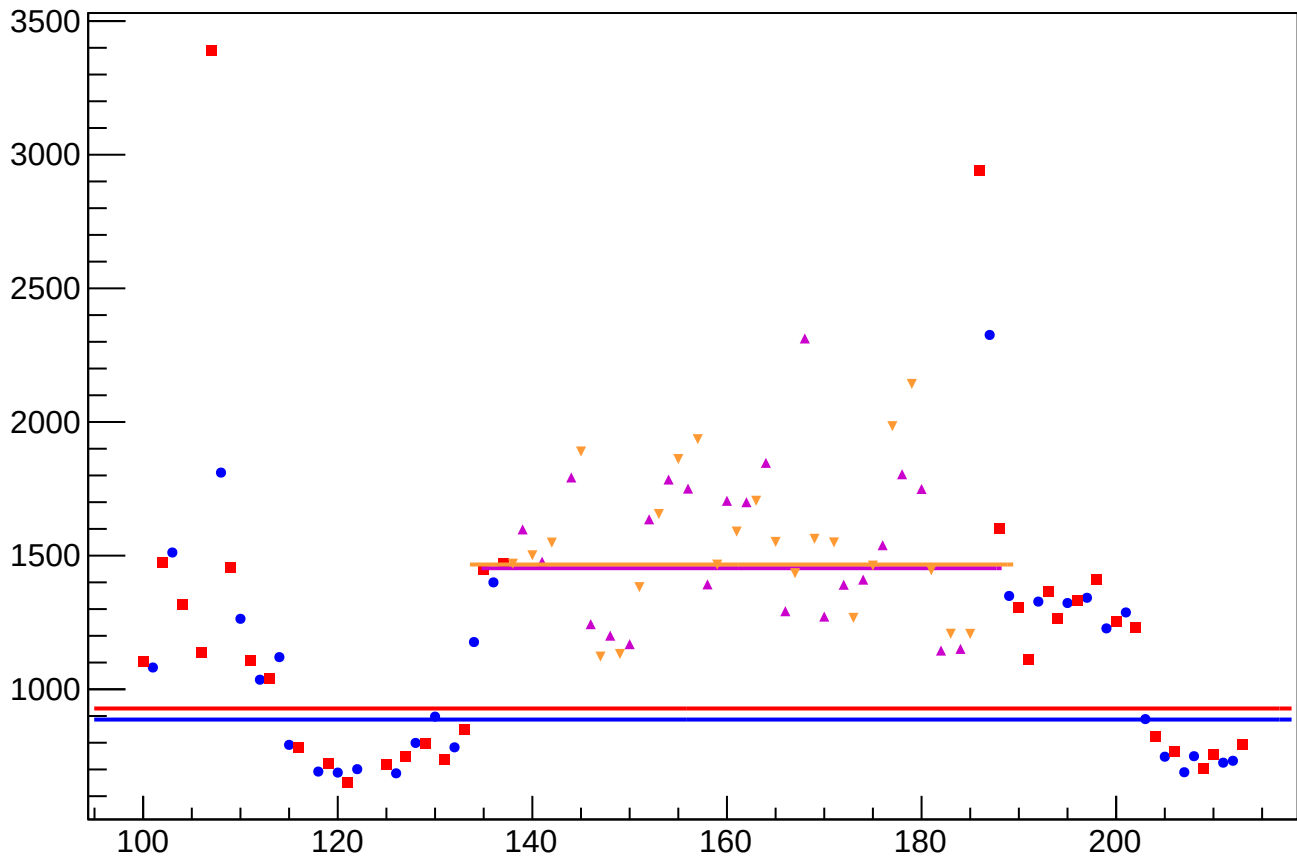
Left In: -54.347 ± 345.962 χ^2/NDF : 13.0/22

+ sign -745.501 ± 187.176 χ^2/NDF : 79.8/52

All: -725.878 ± 132.913 χ^2/NDF : 203.4/108

- sign -705.919 ± 188.769 χ^2/NDF : 123.5/55

asym_usl_reg_correction_rms vs Slug



Right In: 886.712 ± 0.157 $\chi^2/\text{NDF}: 2690767.7/28$

Left Out: 1466.846 ± 0.246 $\chi^2/\text{NDF}: 1043303.8/23$

Right Out: 928.130 ± 0.159 $\chi^2/\text{NDF}: 3408428.3/32$

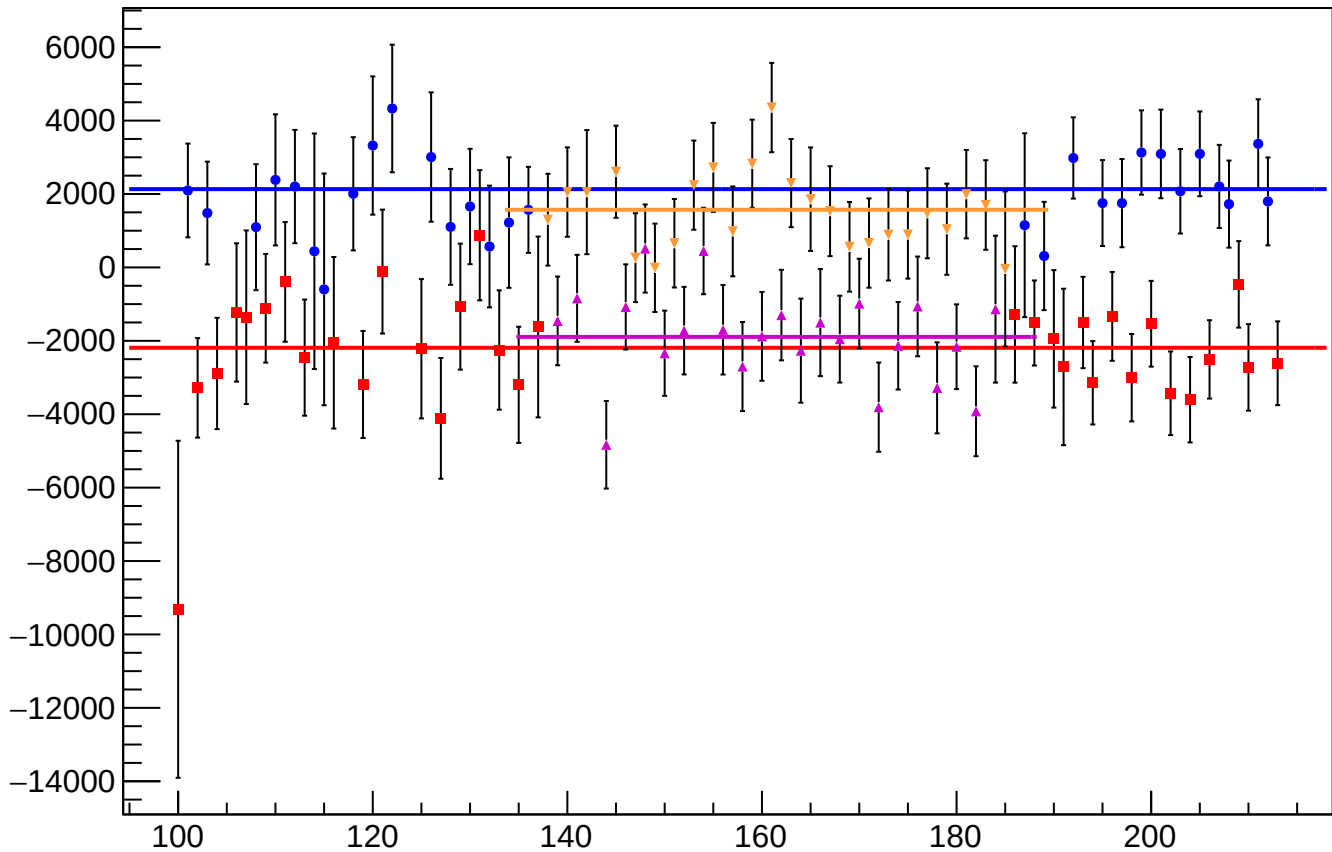
Left In: 1452.983 ± 0.245 $\chi^2/\text{NDF}: 1129567.2/22$

+ sign 1055.174 ± 0.132 $\chi^2/\text{NDF}: 7693053.9/52$

All: 1069.657 ± 0.094 $\chi^2/\text{NDF}: 15487865.0/100$

- sign 1084.388 ± 0.133 $\chi^2/\text{NDF}: 7770658.3/55$

cor_asym_usl_mean vs Slug



Right In: 2132.993 ± 261.397 χ^2/NDF : 11.6/28

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

Right Out: -2189.316 ± 252.835 χ^2/NDF : 20.8/32

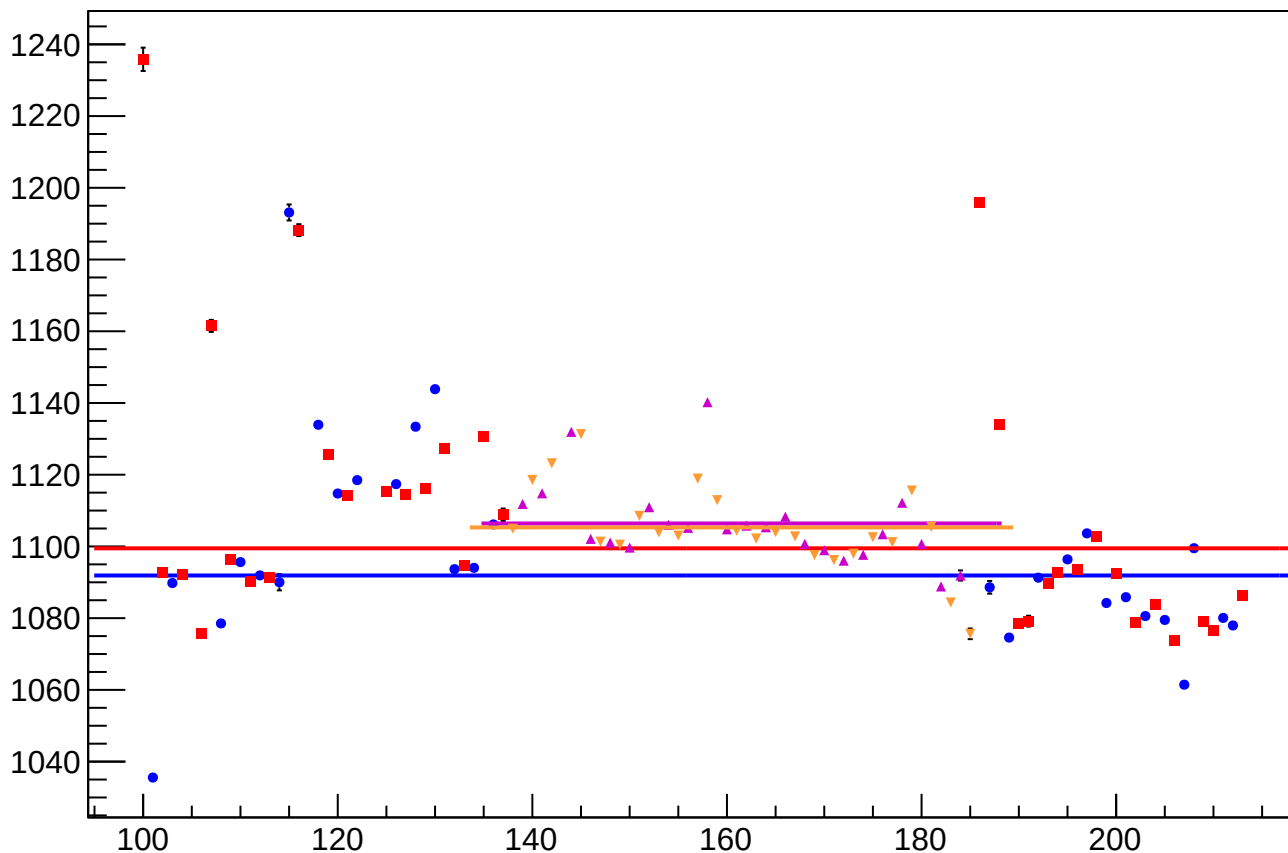
Left In: -1893.347 ± 258.339 χ^2/NDF : 24.1/22

+ sign 1846.750 ± 183.093 χ^2/NDF : 29.3/52

All: -124.520 ± 128.610 χ^2/NDF : 303.7/108

- sign -2044.517 ± 180.696 χ^2/NDF : 45.6/55

cor_asym_usl_rms vs Slug



Right In: 1091.898 $\pm$ 0.185 χ^2 /NDF: 15668.7/28

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF:3161.8/23

Right Out: 1099.472 $\pm$ 0.179 χ^2 /NDF: 20903.6/32

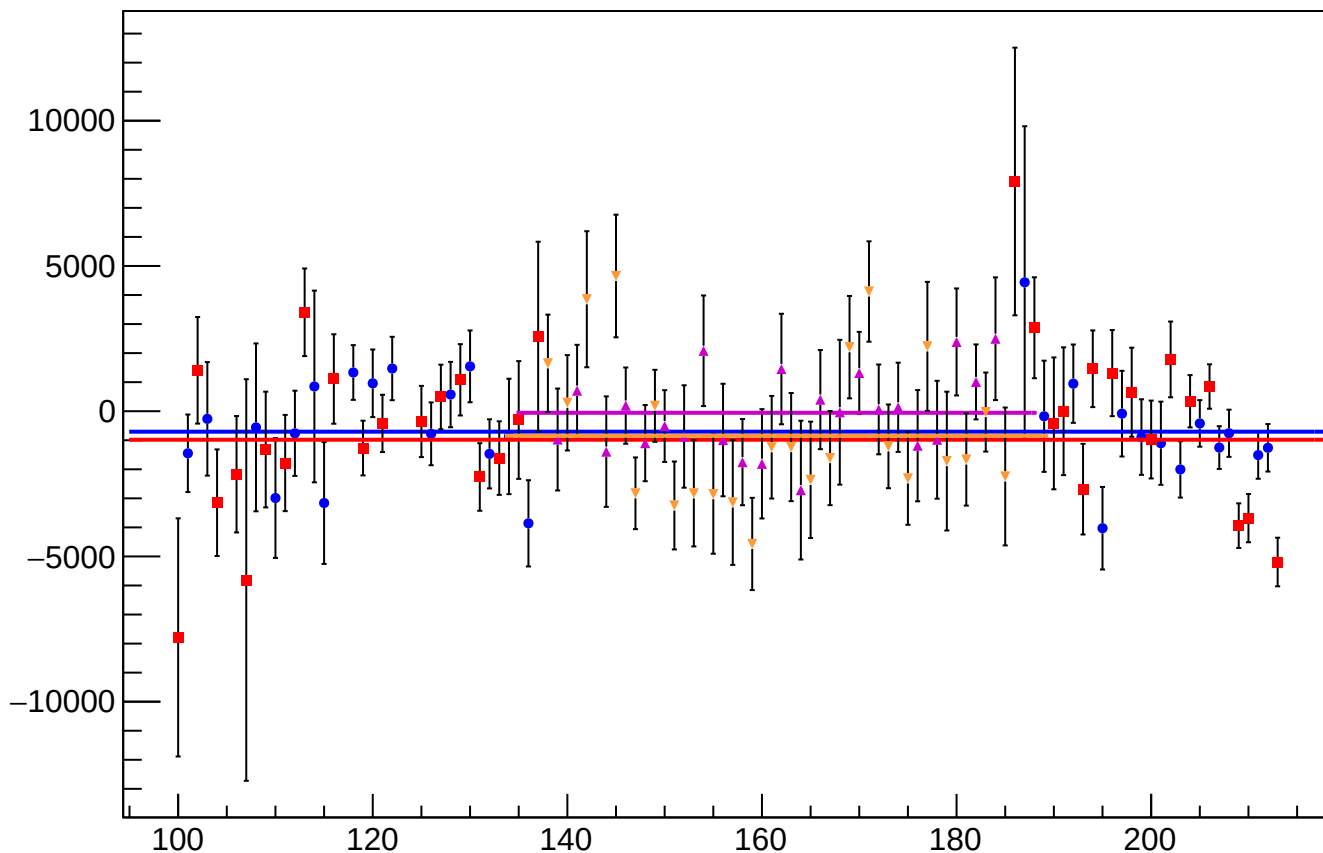
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF:3776.4/22

+ sign 1098.722 $\pm$ 0.129 χ^2 /NDF: 21506.0/52

All: 1100.820 $\pm$ 0.091 χ^2 /NDF: 47440.2/108

- sign 1102.864 $\pm$ 0.128 χ^2 /NDF: 25415.7/55

asym_usl_cor_correction_mean vs Slug



Right In: -704.929+/-222.197 χ^2/NDF : 35.6/28

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

Right Out: -982.138+/-225.255 χ^2/NDF : 105.4/32

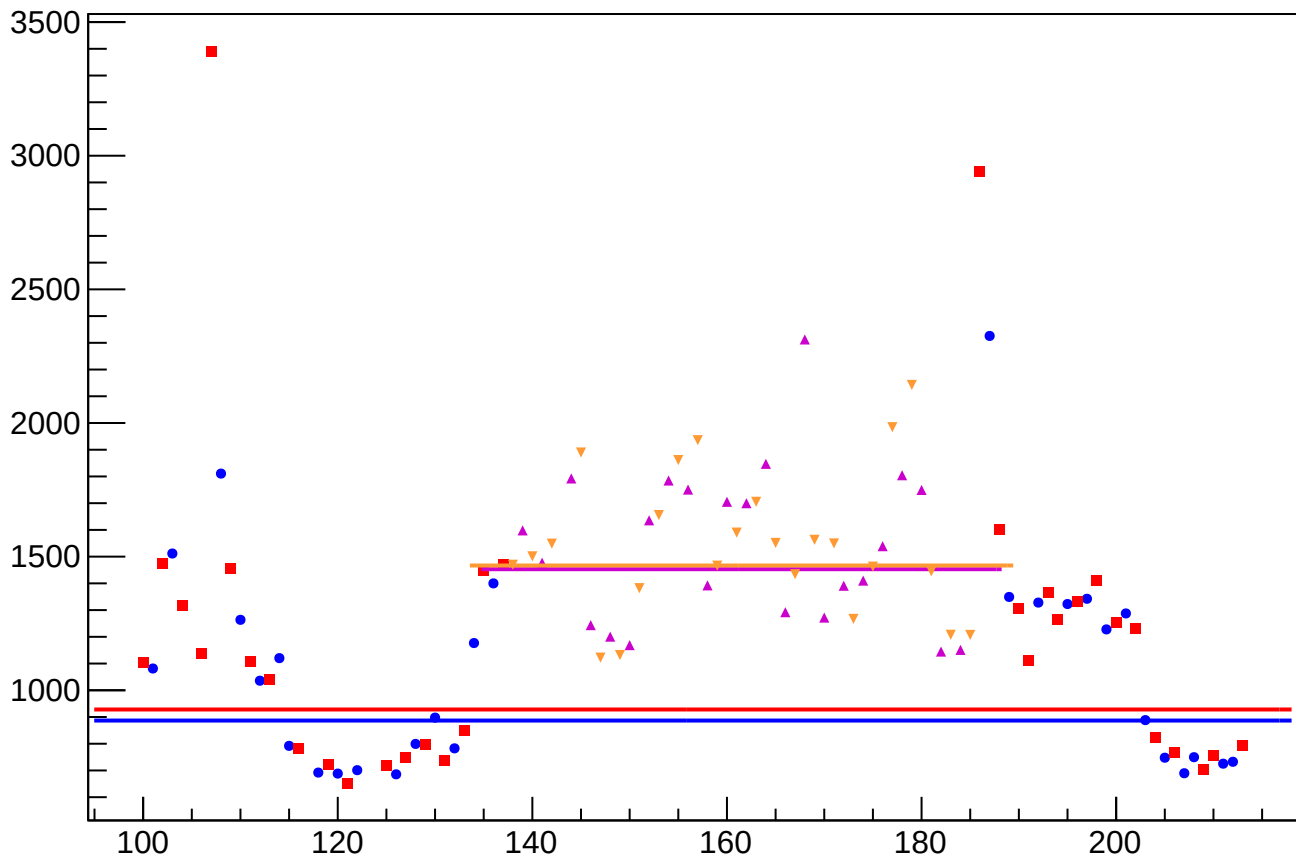
Left In: -54.347+/-345.962 χ^2/NDF : 13.0/22

+ sign -745.501+/-187.176 χ^2/NDF : 79.8/52

All: -725.878+/-132.913 χ^2/NDF : 203.4/108

- sign -705.919+/-188.769 χ^2/NDF : 123.5/55

asym_usl_cor_correction_rms vs Slug



Right In: 886.712 ± 0.157 $\chi^2/\text{NDF}: 2690767.7/28$

Left Out: 1466.846 ± 0.246 $\chi^2/\text{NDF}: 1043303.8/23$

Right Out: 928.130 ± 0.159 $\chi^2/\text{NDF}: 3408426.7/32$

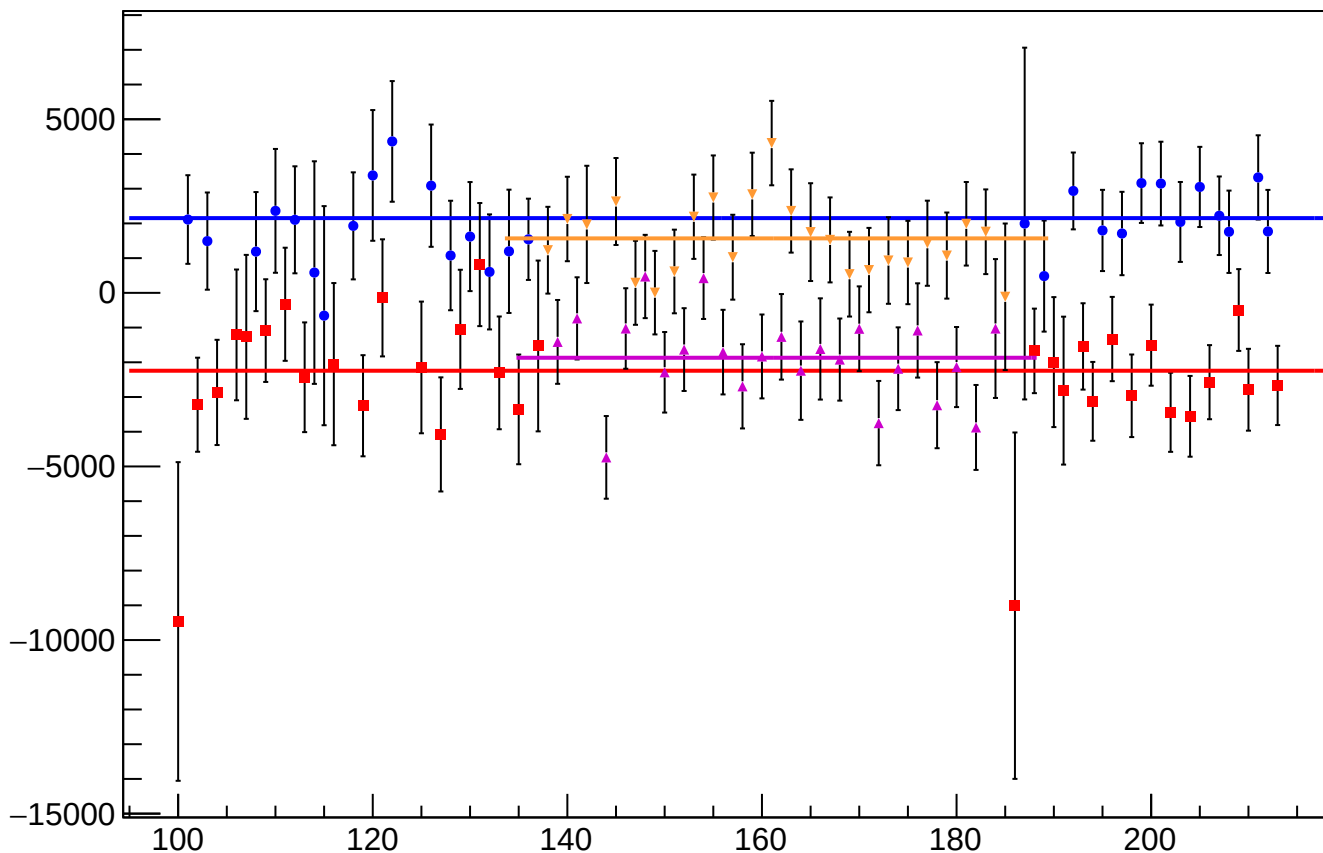
Left In: 1452.983 ± 0.245 $\chi^2/\text{NDF}: 1129567.2/22$

+ sign 1055.174 ± 0.132 $\chi^2/\text{NDF}: 7693053.9/52$

All: 1069.657 ± 0.094 $\chi^2/\text{NDF}: 15487864.6/100$

- sign 1084.387 ± 0.133 $\chi^2/\text{NDF}: 7770658.0/55$

overload_cor_asym_usl_mean vs Slug



Right In: 2152.551 $\pm$ 262.927 χ^2 /NDF: 11.0/28

Left Out: 1568.786 $\pm$ 256.294 χ^2 /NDF: 15.4/23

Right Out: -2243.180 $\pm$ 255.332 χ^2 /NDF: 22.4/32

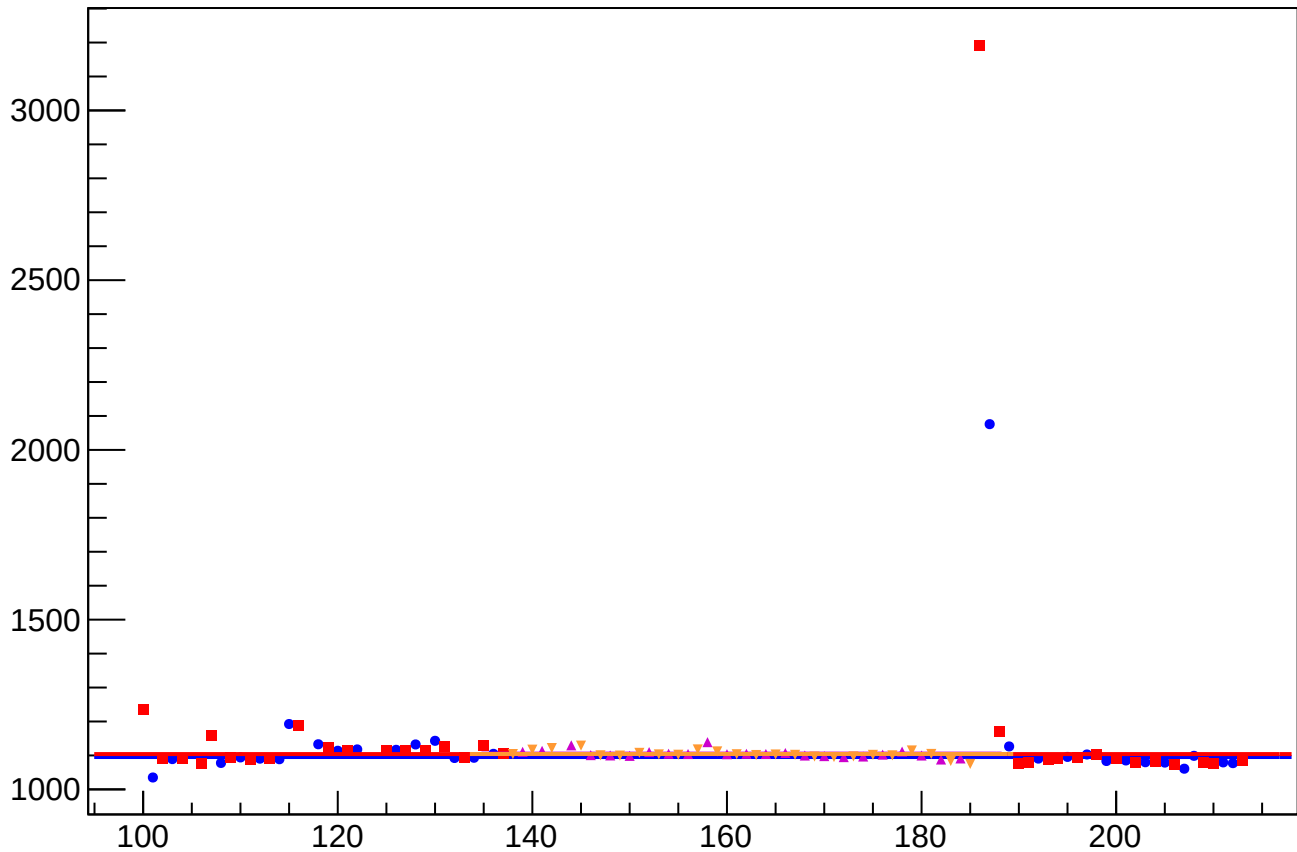
Left In: -1869.342 $\pm$ 258.099 χ^2 /NDF: 23.4/22

+ sign 1853.213 $\pm$ 183.527 χ^2 /NDF: 28.9/52

All: -124.067 $\pm$ 129.057 χ^2 /NDF: 305.4/108

- sign -2058.276 $\pm$ 181.518 χ^2 /NDF: 46.9/55

overload_cor_asym_usl_rms vs Slug



Right In: 1095.336+/-0.186 χ^2/NDF : 91295.1/28

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

Right Out: 1104.008+/-0.181 χ^2/NDF : 371452.2/32

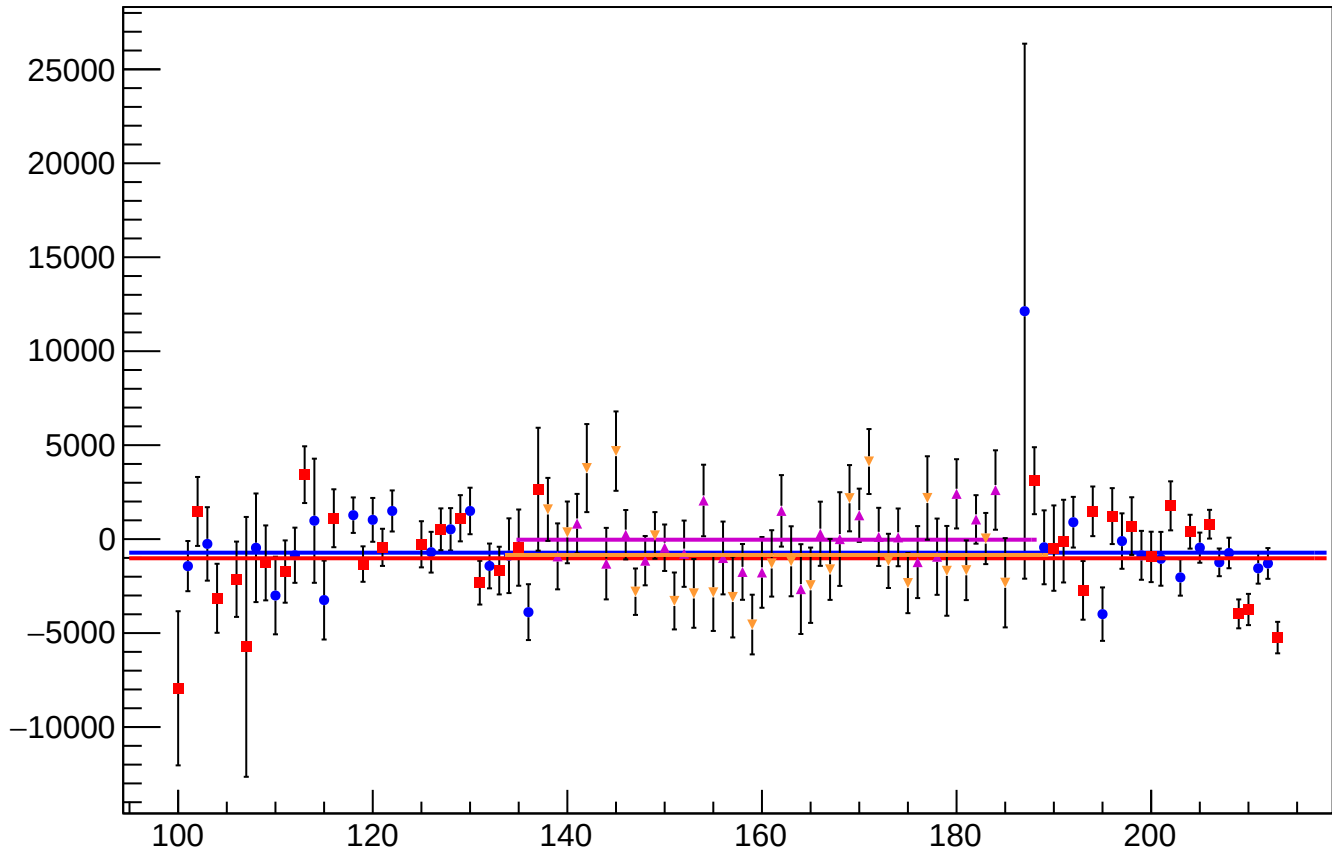
Left In: 1105.380+/-0.183 χ^2/NDF : 3661.0/22

+ sign 1099.911+/-0.130 χ^2/NDF : 95475.4/52

All: 1102.325+/-0.091 χ^2/NDF : 471301.9/108

- sign 1104.687+/-0.128 χ^2/NDF : 375141.8/55

asym_usl_overload_cor_correction_mean vs Slug



Right In: -721.684 $\pm$ 222.705 χ^2/NDF : 35.2/28

Left Out: -843.280 $\pm$ 347.538 χ^2/NDF : 44.0/23

Right Out: -1019.806 $\pm$ 225.889 χ^2/NDF : 103.7/31

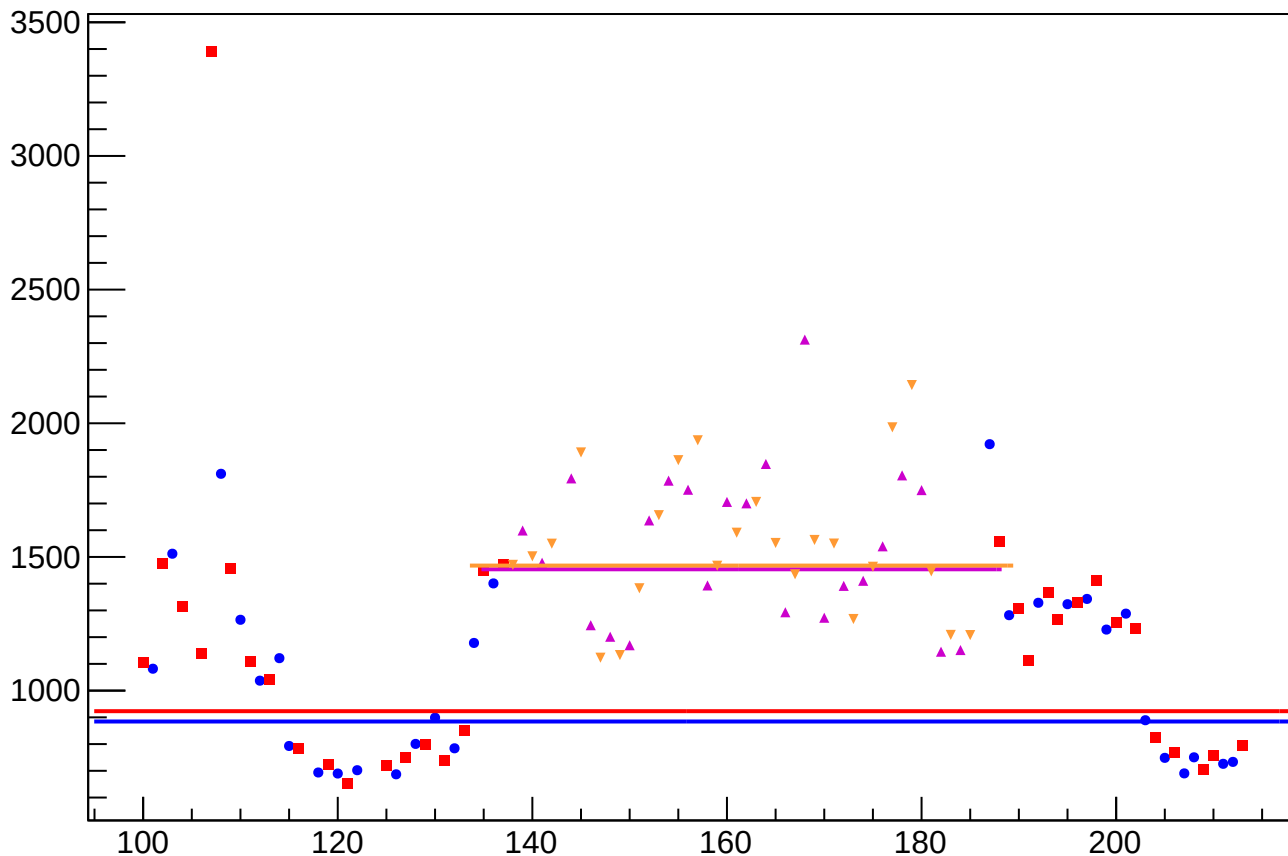
Left In: -31.387 $\pm$ 346.155 χ^2/NDF : 13.1/22

+ sign -757.081 $\pm$ 187.509 χ^2/NDF : 79.3/52

All: -740.987 $\pm$ 133.173 χ^2/NDF : 201.8/107

- sign -724.606 $\pm$ 189.173 χ^2/NDF : 122.5/54

asym_usl_overload_cor_correction_rms vs Slug



Right In: 884.476 $\pm$ 0.157 χ^2/NDF : 2514521.9/28

Left Out: 1467.697 $\pm$ 0.246 χ^2/NDF : 1041877.5/23

Right Out: 923.073 $\pm$ 0.160 χ^2/NDF : 2963434.8/31

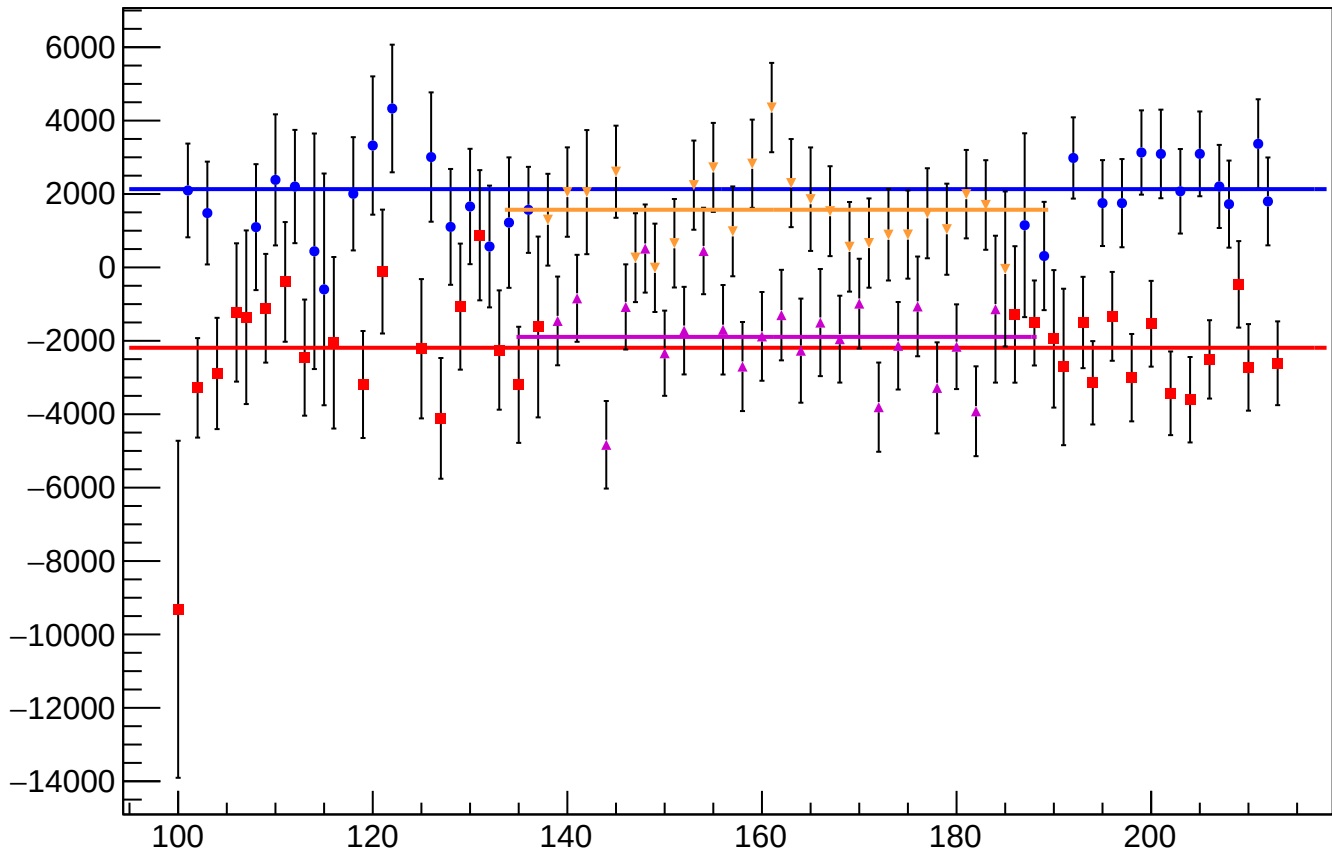
Left In: 1453.834 $\pm$ 0.245 χ^2/NDF : 1127997.5/22

+ sign 1054.251 $\pm$ 0.133 χ^2/NDF : 7549191.6/52

All: 1067.800 $\pm$ 0.094 χ^2/NDF : 14959422.4/100

- sign 1081.590 $\pm$ 0.134 χ^2/NDF : 7389161.6/54

eigen_cor_asym_usl_mean vs Slug



Right In: 2132.993 $\pm$ 261.397 χ^2 /NDF: 11.6/28

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF: 15.4/23

Right Out: -2189.316 $\pm$ 252.835 χ^2 /NDF: 20.8/32

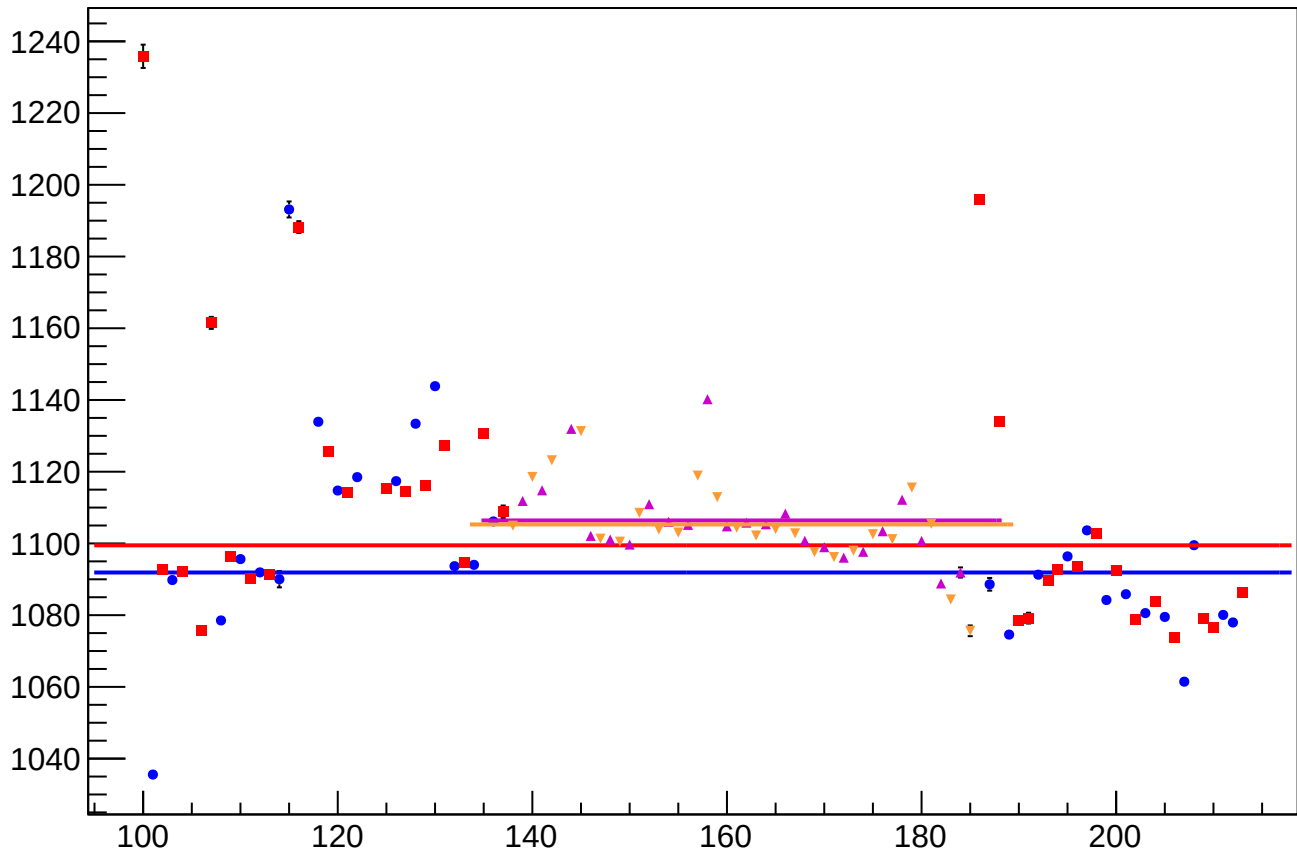
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1846.750 $\pm$ 183.093 χ^2 /NDF: 29.3/52

All: -124.520 $\pm$ 128.610 χ^2 /NDF: 303.7/108

- sign -2044.517 $\pm$ 180.696 χ^2 /NDF: 45.6/55

eigen_cor_asym_usl_rms vs Slug



Right In: 1091.898 $\pm$ 0.185 χ^2 /NDF: 15668.7/28

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF: 3161.8/23

Right Out: 1099.472 $\pm$ 0.179 χ^2 /NDF: 20903.6/32

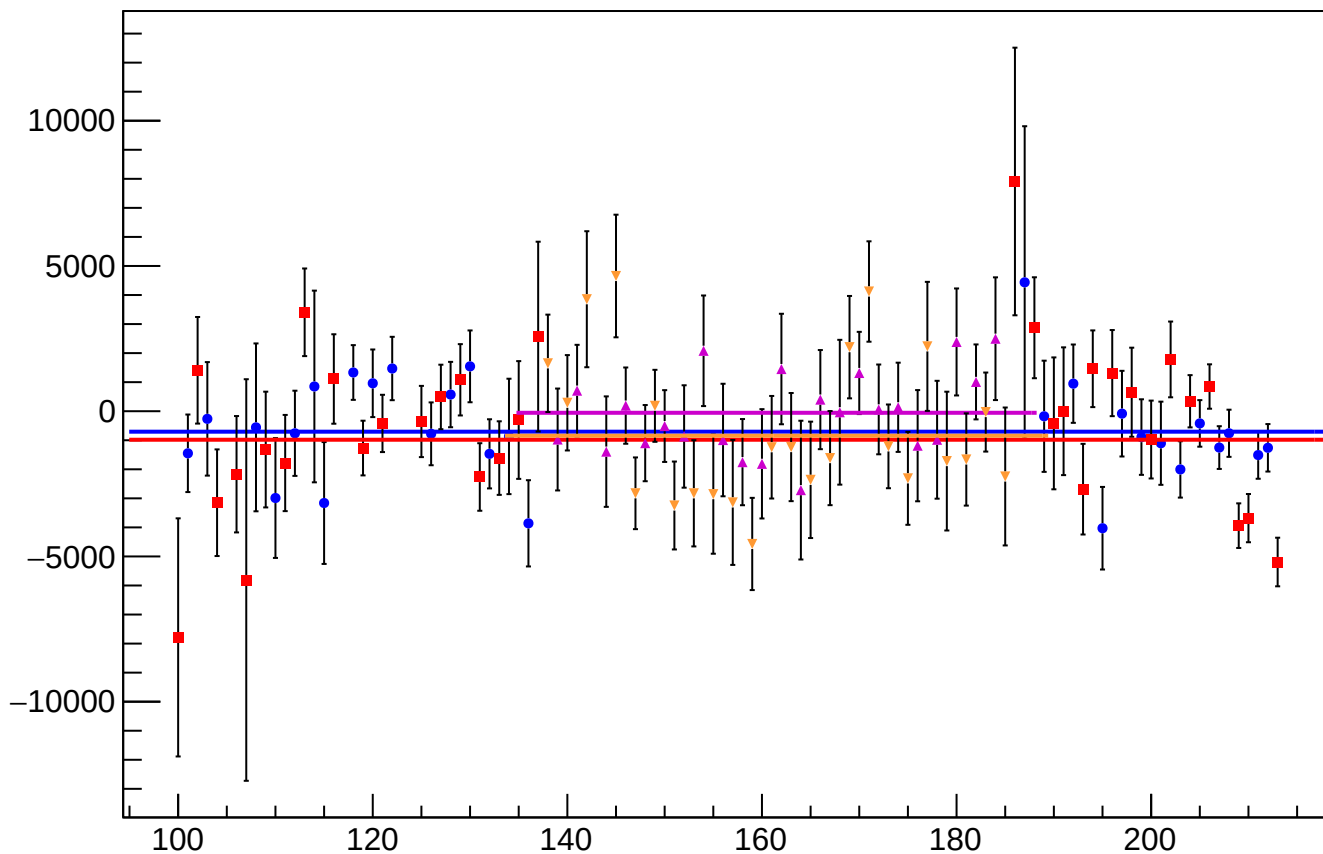
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF: 3776.4/22

+ sign 1098.722 $\pm$ 0.129 χ^2 /NDF: 21506.0/52

All: 1100.820 $\pm$ 0.091 χ^2 /NDF: 47440.2/108

- sign 1102.864 $\pm$ 0.128 χ^2 /NDF: 25415.7/55

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -704.929 ± 222.197 χ^2/NDF : 35.6/28

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

Right Out: -982.138 ± 225.255 χ^2/NDF : 105.4/32

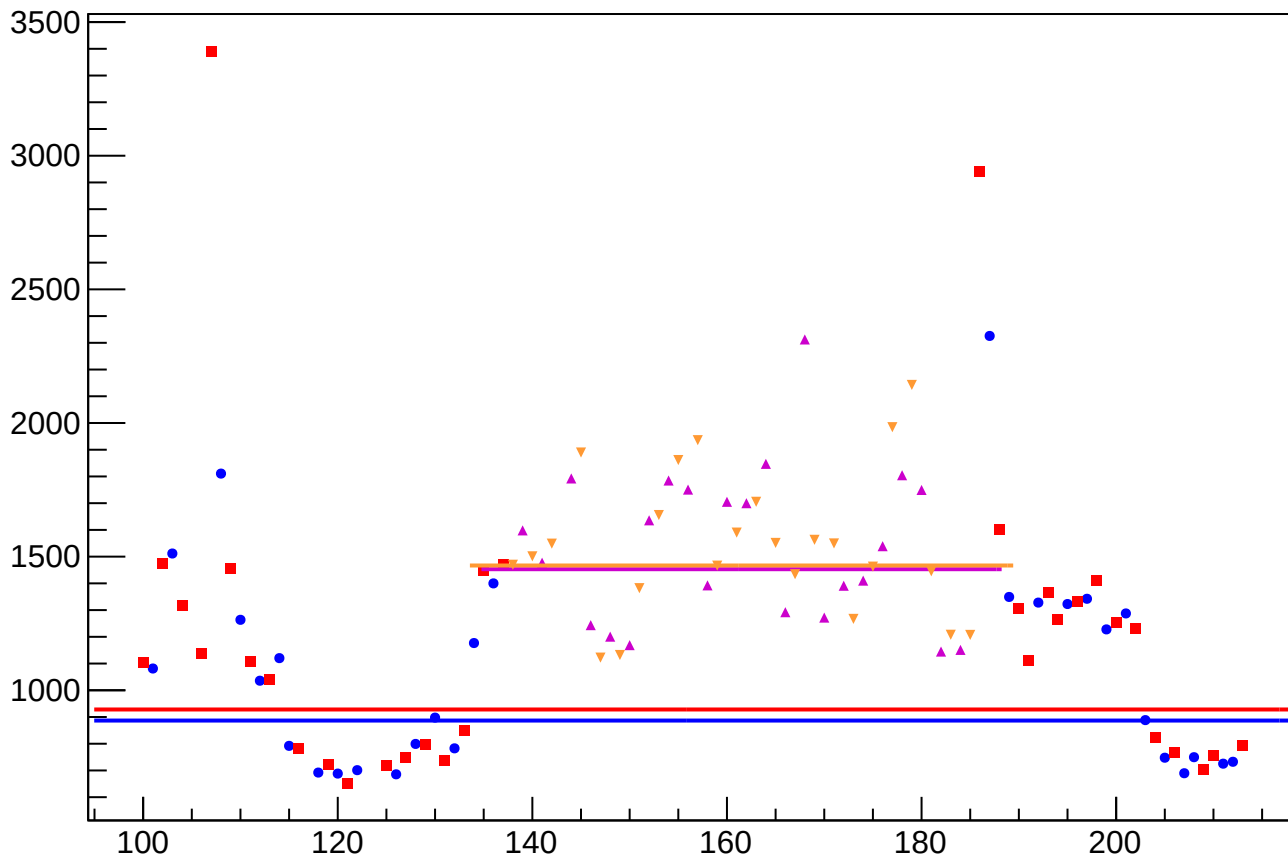
Left In: -54.347 ± 345.962 χ^2/NDF : 13.0/22

+ sign -745.501 ± 187.176 χ^2/NDF : 79.8/52

All: -725.878 ± 132.913 χ^2/NDF : 203.4/108

- sign -705.919 ± 188.769 χ^2/NDF : 123.5/55

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 886.712 ± 0.157 $\chi^2/\text{NDF}: 2690767.7/28$

Left Out: 1466.846 ± 0.246 $\chi^2/\text{NDF}: 1043303.8/23$

Right Out: 928.130 ± 0.159 $\chi^2/\text{NDF}: 3408426.7/32$

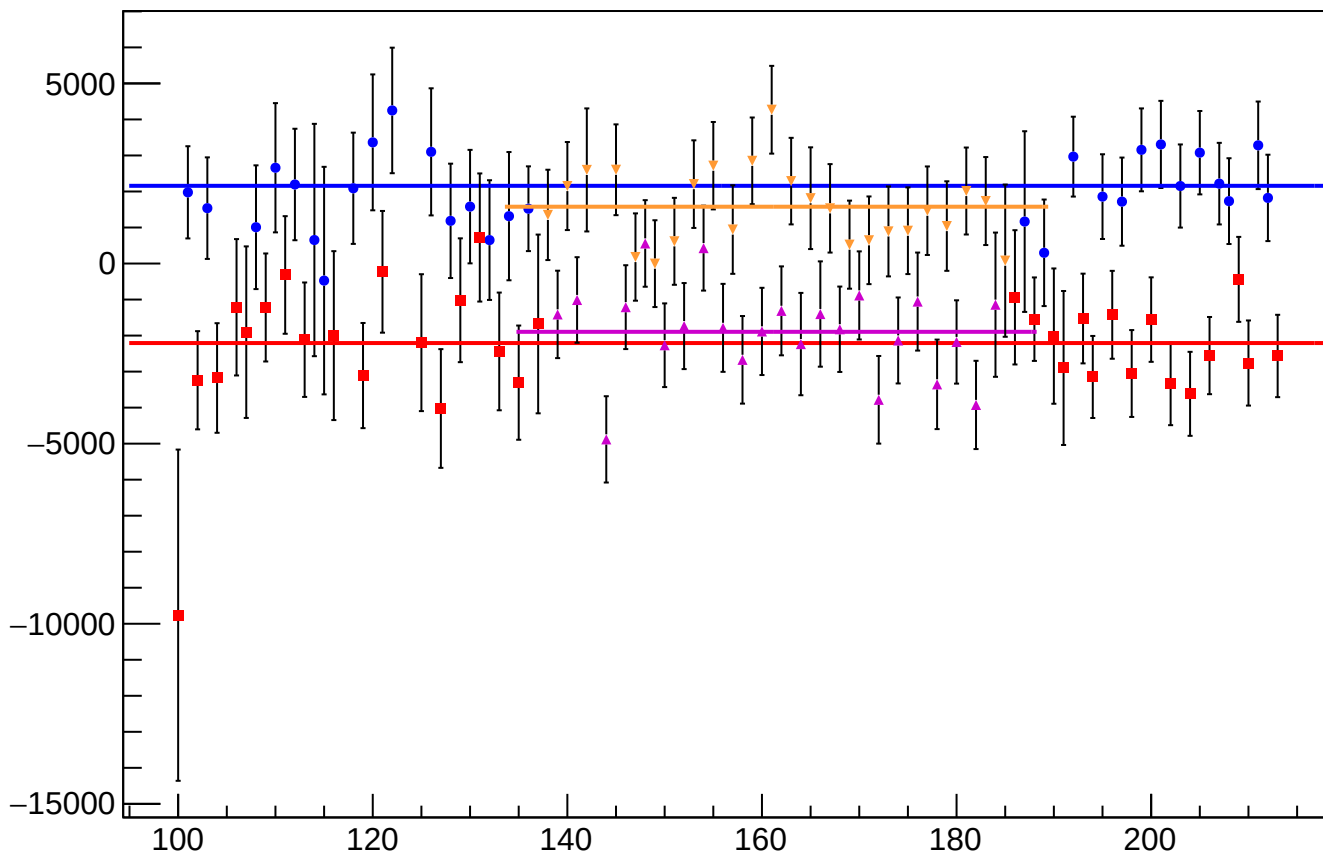
Left In: 1452.983 ± 0.245 $\chi^2/\text{NDF}: 1129567.2/22$

+ sign 1055.174 ± 0.132 $\chi^2/\text{NDF}: 7693053.9/52$

All: 1069.657 ± 0.094 $\chi^2/\text{NDF}: 15487864.6/100$

- sign 1084.387 ± 0.133 $\chi^2/\text{NDF}: 7770658.0/55$

dit_asym_usl_mean vs Slug



Right In: 2157.598 ± 262.221 χ^2/NDF : 11.5/28

Left Out: 1577.402 ± 257.003 χ^2/NDF : 15.5/23

Right Out: -2207.366 ± 253.717 χ^2/NDF : 20.7/32

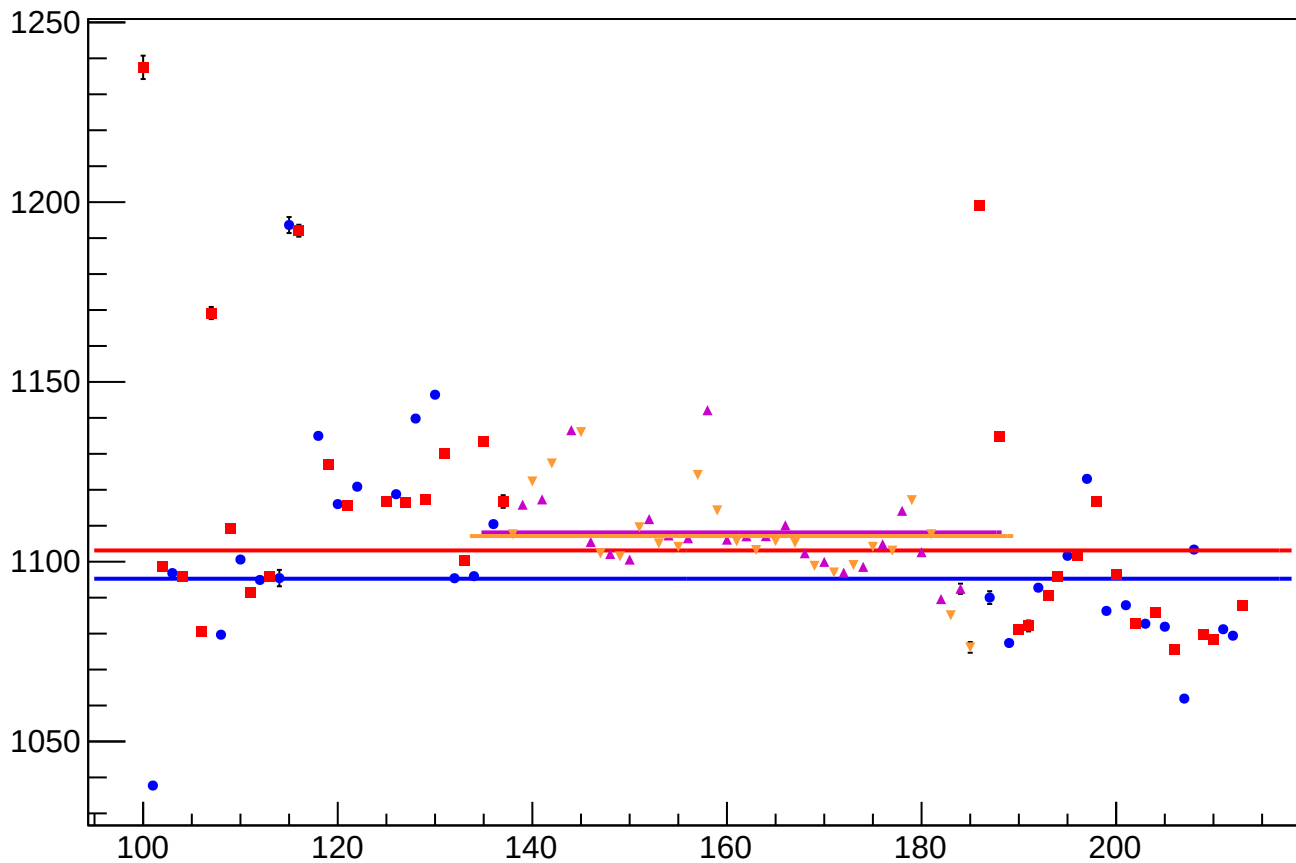
Left In: -1895.548 ± 258.750 χ^2/NDF : 24.1/22

+ sign 1861.669 ± 183.546 χ^2/NDF : 29.5/52

All: -122.058 ± 128.934 χ^2/NDF : 305.6/108

- sign -2054.519 ± 181.158 χ^2/NDF : 45.5/55

dit_asym_usl_rms vs Slug



Right In: 1095.264 $\pm$ 0.185 χ^2 /NDF: 17077.3/28

Left Out: 1107.127 $\pm$ 0.182 χ^2 /NDF: 3783.7/23

Right Out: 1103.131 $\pm$ 0.179 χ^2 /NDF: 21214.9/32

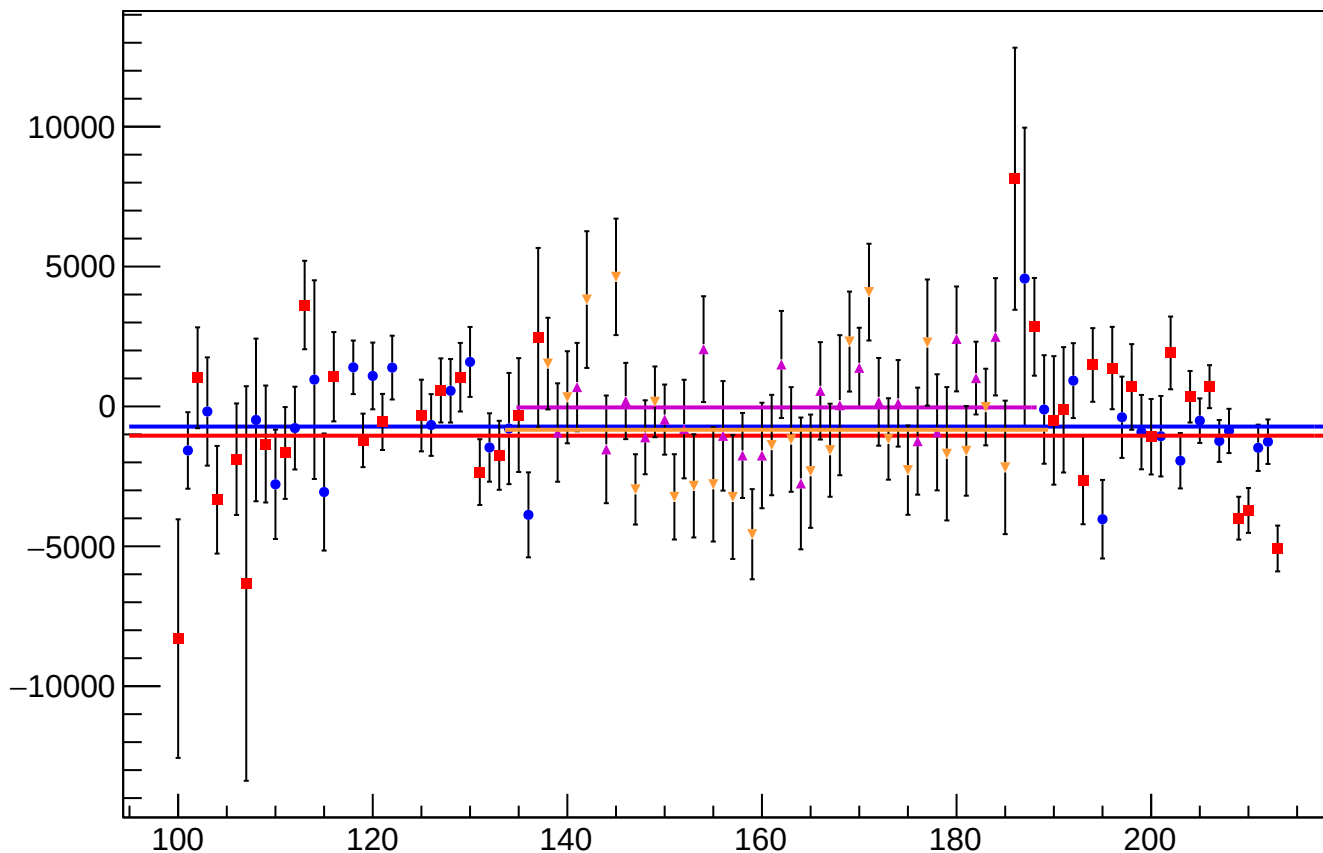
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1101.314 $\pm$ 0.130 χ^2 /NDF: 22948.9/52

All: 1103.480 $\pm$ 0.091 χ^2 /NDF: 49286.8/108

- sign 1105.589 $\pm$ 0.128 χ^2 /NDF: 25788.4/55

asym_usl_dit_correction_mean vs Slug



Right In: -719.942 ± 223.564 $\chi^2/\text{NDF}: 34.7/28$

Left Out: -835.288 ± 350.615 $\chi^2/\text{NDF}: 43.6/23$

Right Out: -1046.162 ± 226.192 $\chi^2/\text{NDF}: 106.0/32$

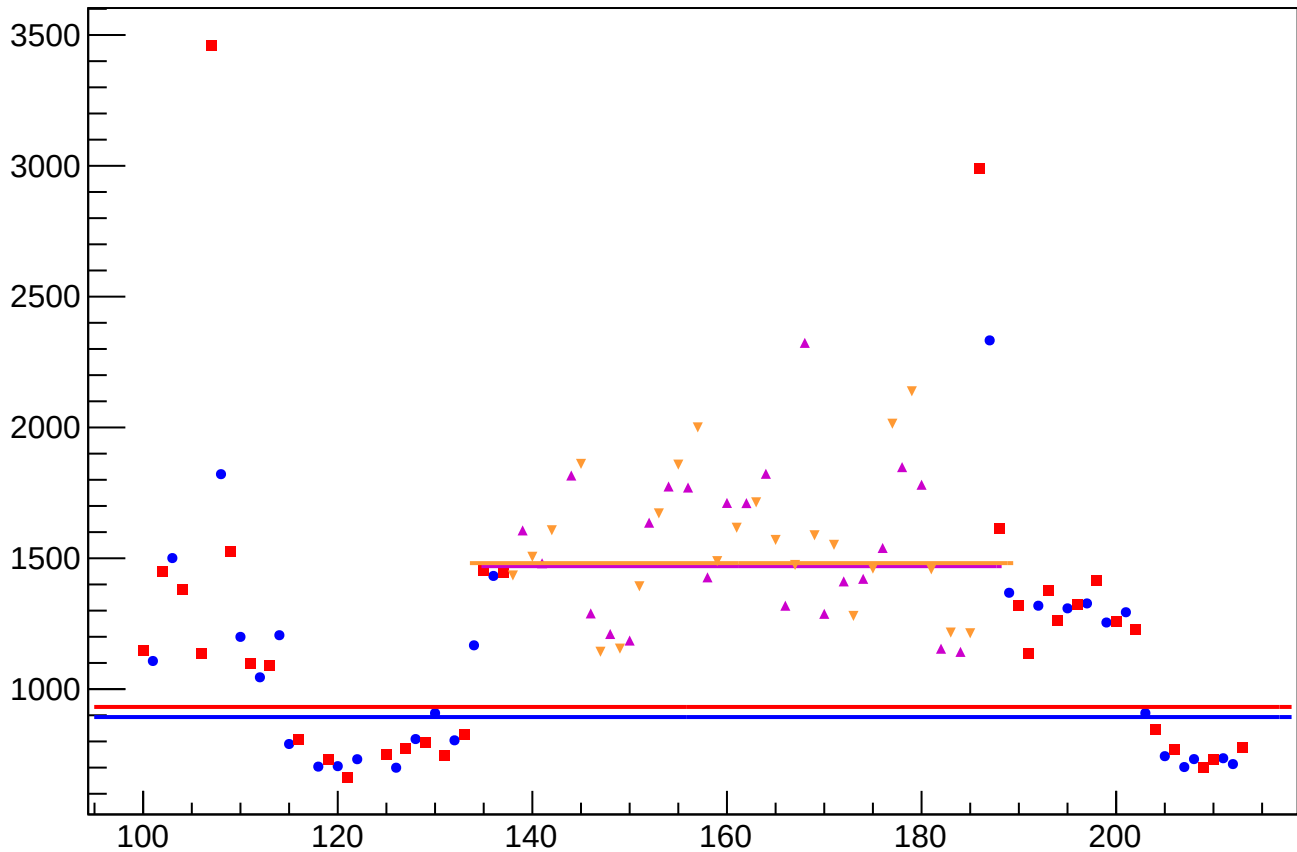
Left In: -35.516 ± 349.636 $\chi^2/\text{NDF}: 13.1/22$

+ sign -753.283 ± 188.504 $\chi^2/\text{NDF}: 78.4/52$

All: -750.651 ± 133.788 $\chi^2/\text{NDF}: 203.4/108$

- sign -747.979 ± 189.915 $\chi^2/\text{NDF}: 125.0/55$

asym_usl_dit_correction_rms vs Slug



Right In: 893.224 ± 0.158 $\chi^2/\text{NDF}: 2661161.8/28$

Left Out: 1481.543 ± 0.248 $\chi^2/\text{NDF}: 1017463.8/23$

Right Out: 931.837 ± 0.160 $\chi^2/\text{NDF}: 3452449.6/32$

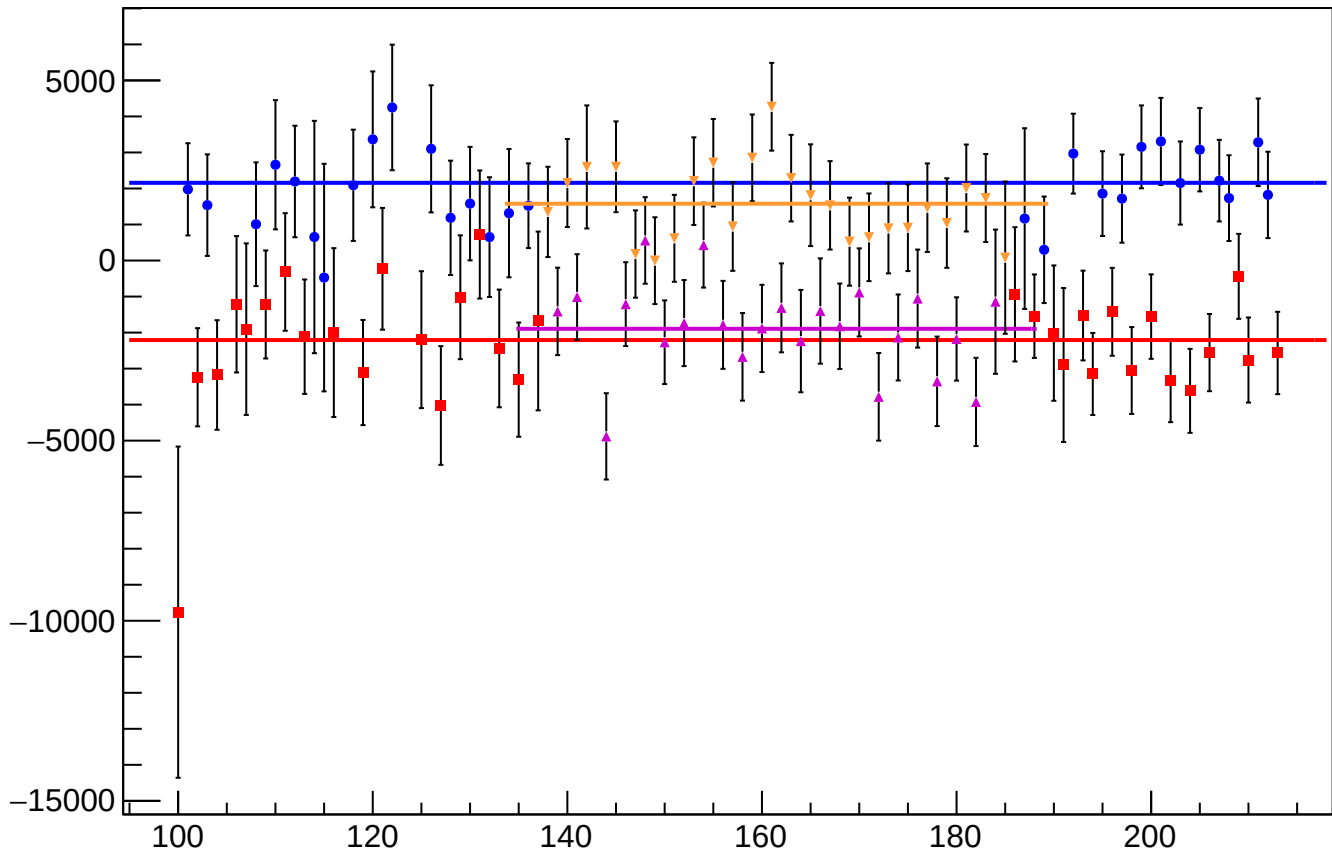
Left In: 1469.907 ± 0.247 $\chi^2/\text{NDF}: 1095056.5/22$

+ sign 1063.280 ± 0.133 $\chi^2/\text{NDF}: 7682049.6/52$

All: 1076.834 ± 0.095 $\chi^2/\text{NDF}: 15589555.2/...$

- sign 1090.591 ± 0.134 $\chi^2/\text{NDF}: 7886672.1/55$

eigen_dit_asym_usl_mean vs Slug



Right In: 2157.598 ± 262.221 χ^2/NDF : 11.5/28

Left Out: 1577.399 ± 257.003 χ^2/NDF : 15.5/23

Right Out: -2207.365 ± 253.717 χ^2/NDF : 20.7/32

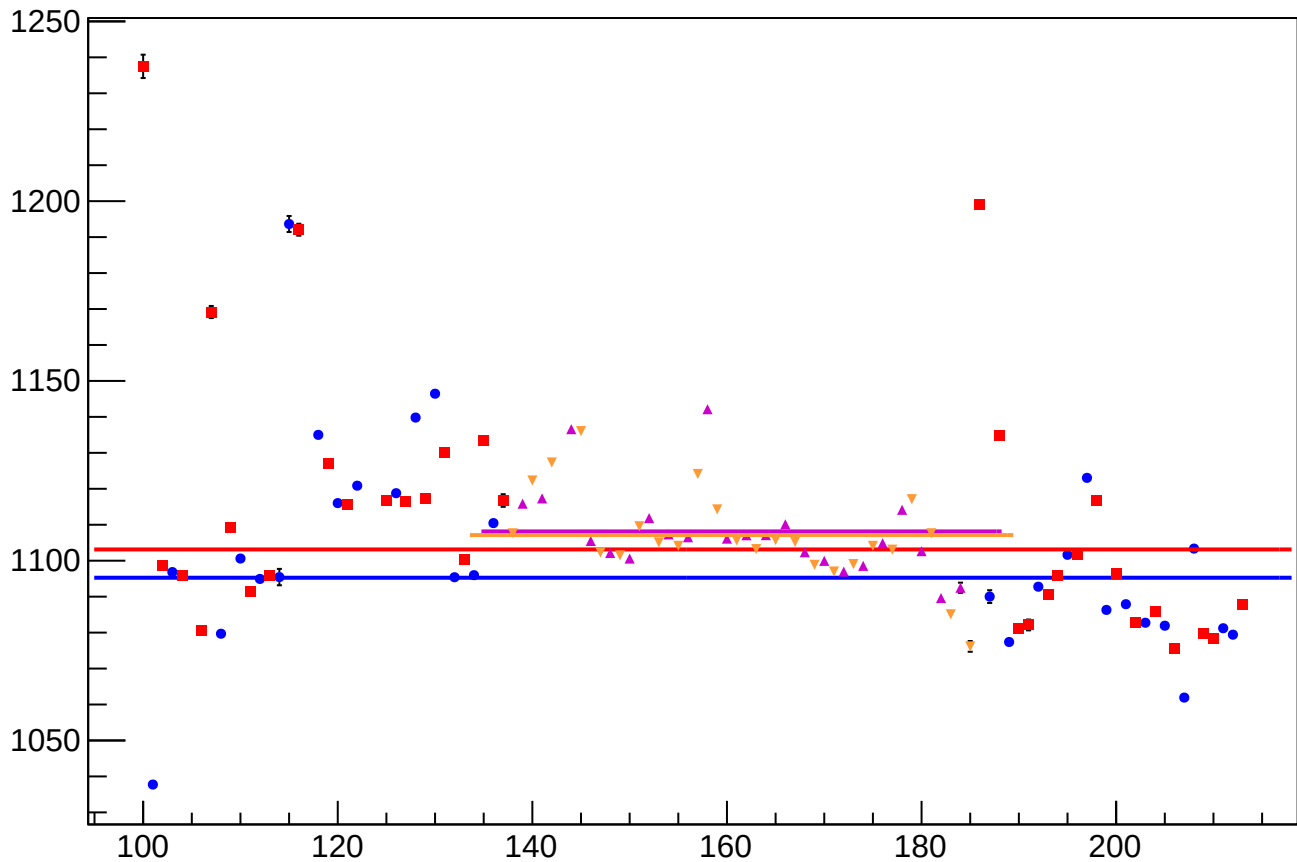
Left In: -1895.549 ± 258.750 χ^2/NDF : 24.1/22

+ sign 1861.668 ± 183.546 χ^2/NDF : 29.5/52

All: -122.059 ± 128.934 χ^2/NDF : 305.6/108

- sign -2054.519 ± 181.158 χ^2/NDF : 45.5/55

eigen_dit_asym_usl_rms vs Slug



Right In: 1095.264 $\pm$ 0.185 χ^2 /NDF: 17077.3/28

Left Out: 1107.127 $\pm$ 0.182 χ^2 /NDF:3783.7/23

Right Out: 1103.131 $\pm$ 0.179 χ^2 /NDF: 21214.9/32

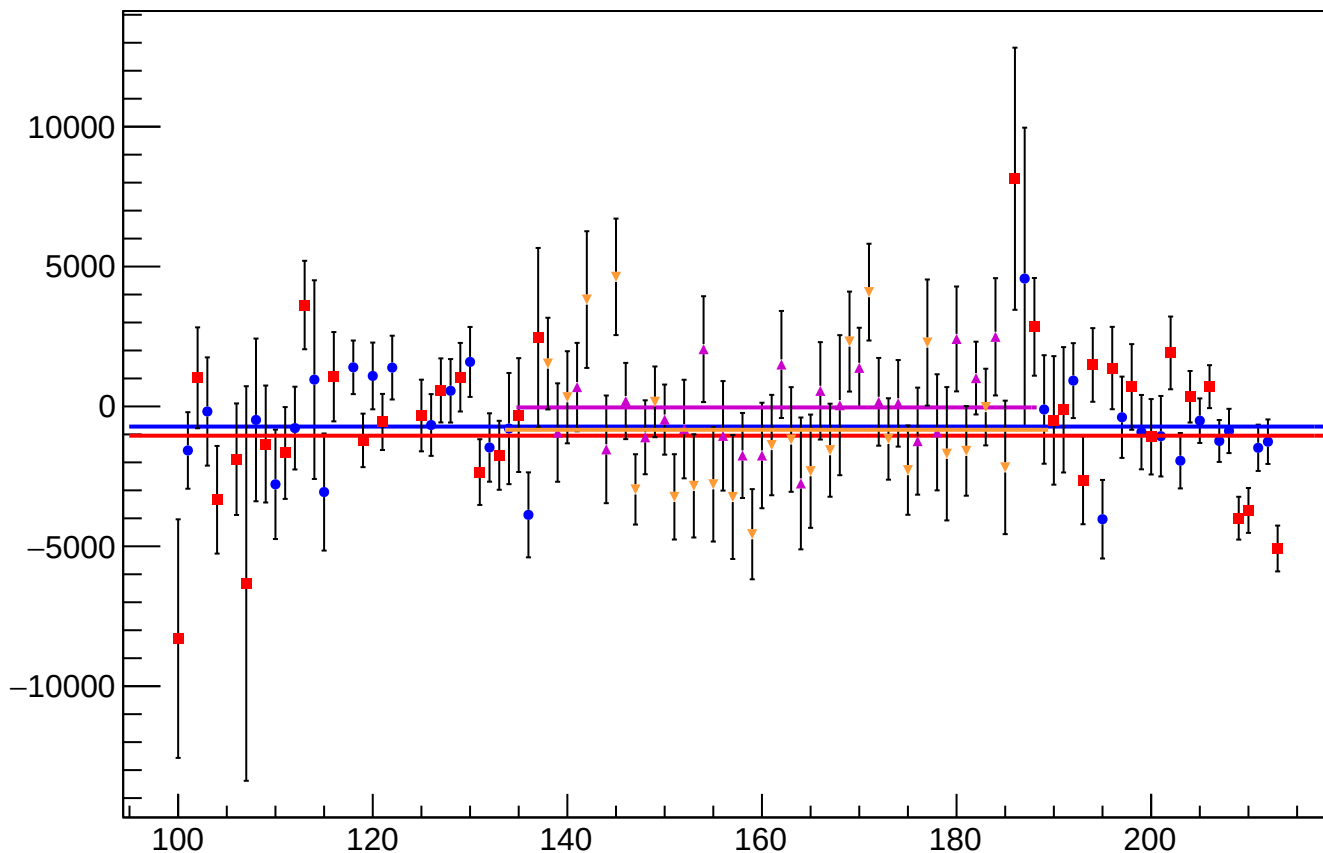
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF:4190.5/22

+ sign 1101.314 $\pm$ 0.130 χ^2 /NDF: 22948.9/52

All: 1103.480 $\pm$ 0.091 χ^2 /NDF: 49286.7/108

- sign 1105.589 $\pm$ 0.128 χ^2 /NDF: 25788.3/55

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -719.940 $\pm$ 223.564 χ^2/NDF : 34.7/28

Left Out: -835.291 $\pm$ 350.615 χ^2/NDF : 43.6/23

Right Out: -1046.160 $\pm$ 226.192 χ^2/NDF : 106.0/32

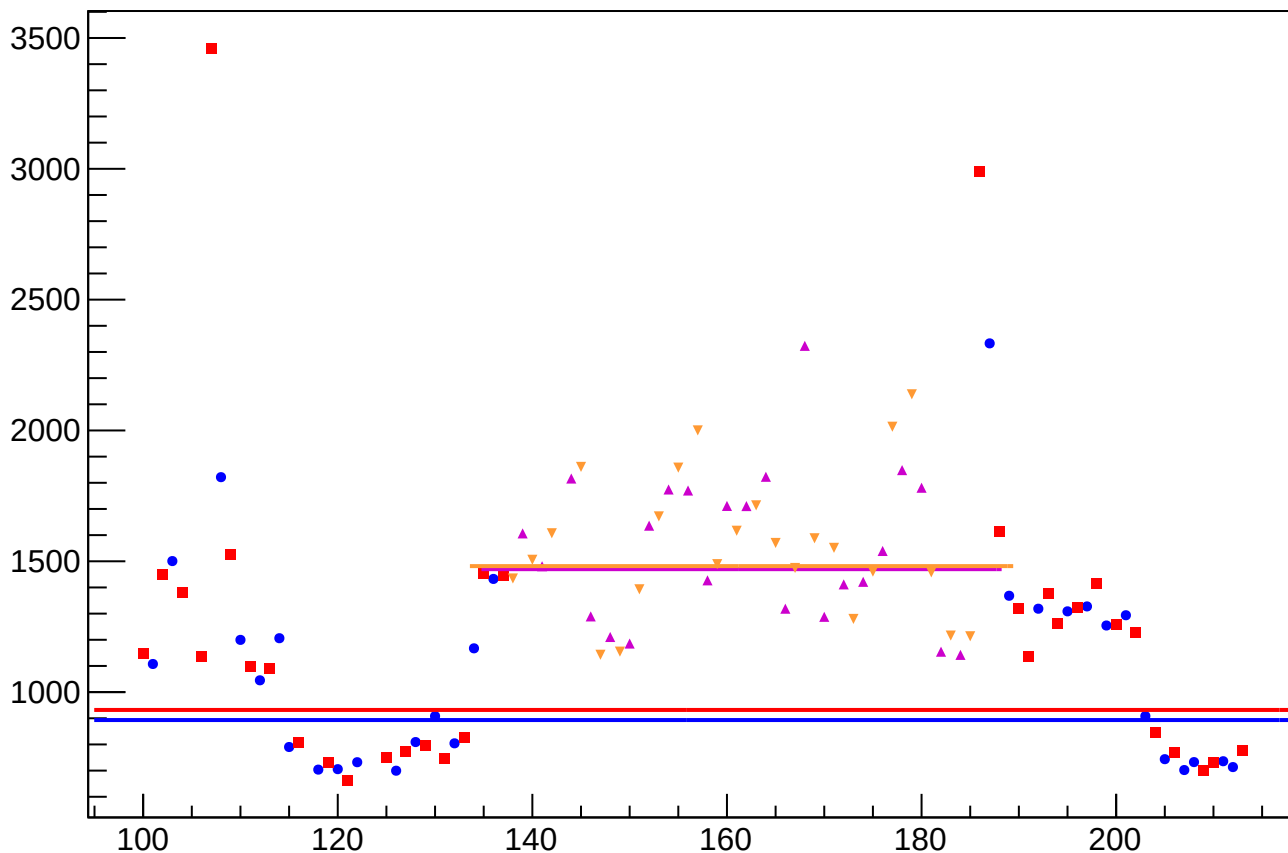
Left In: -35.516 $\pm$ 349.636 χ^2/NDF : 13.1/22

+ sign -753.282 $\pm$ 188.504 χ^2/NDF : 78.4/52

All: -750.650 $\pm$ 133.788 χ^2/NDF : 203.4/108

- sign -747.978 $\pm$ 189.915 χ^2/NDF : 125.0/55

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 893.223 $\pm$ 0.158 χ^2/NDF : 2661163.9/28

Left Out: 1481.545 $\pm$ 0.248 χ^2/NDF : 1017460.8/23

Right Out: 931.837 $\pm$ 0.160 χ^2/NDF : 3452451.5/32

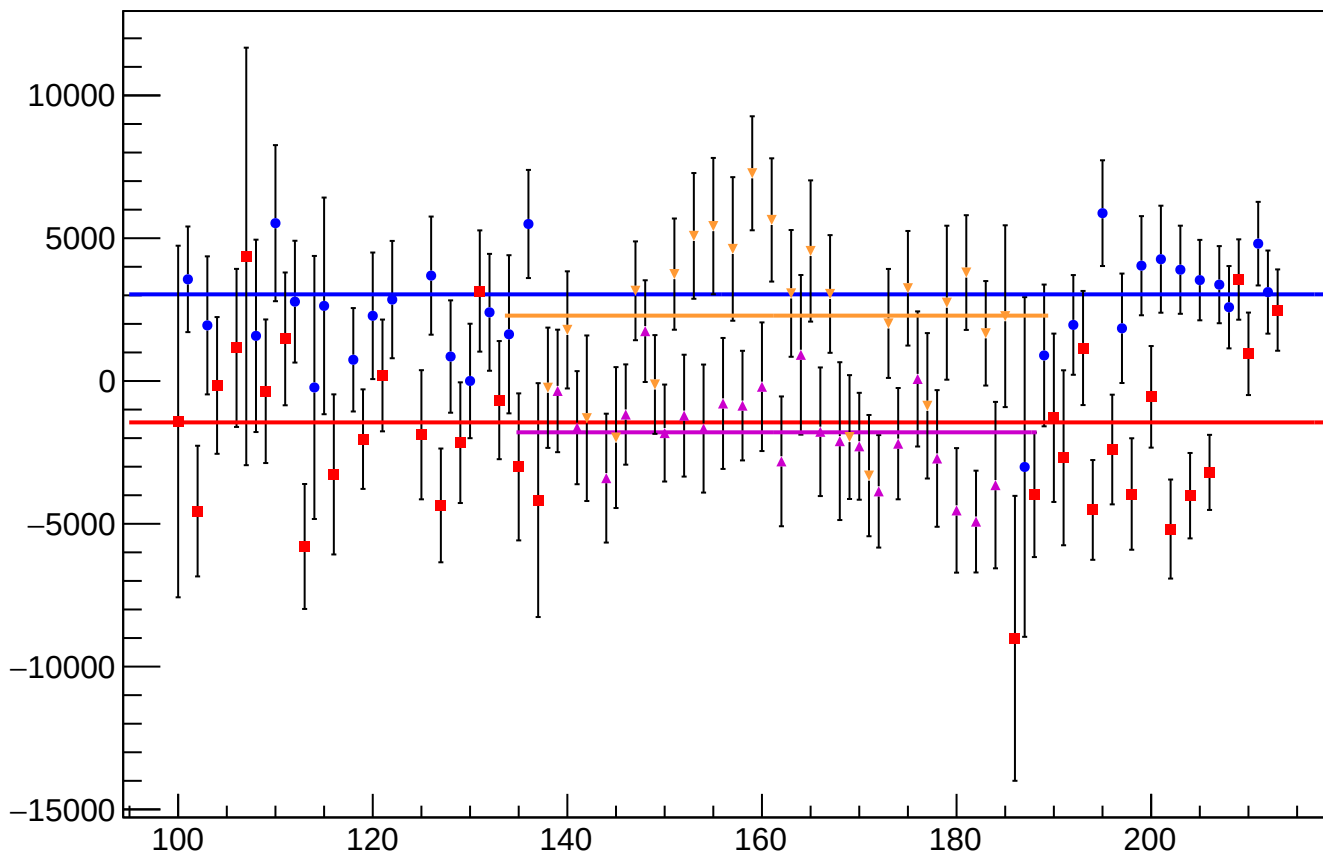
Left In: 1469.908 $\pm$ 0.247 χ^2/NDF : 1095054.0/22

+ sign 1063.280 $\pm$ 0.133 χ^2/NDF : 7682072.8/52

All: 1076.833 $\pm$ 0.095 χ^2/NDF : 15589599.7/100

- sign 1090.590 $\pm$ 0.134 χ^2/NDF : 7886693.5/55

asym_usl_mean vs Slug



Right In: 3034.529 ± 359.216 χ^2/NDF : 16.9/28

Left Out: 2289.701 ± 439.328 χ^2/NDF : 36.0/23

Right Out: -1448.935 ± 356.132 χ^2/NDF : 61.7/32

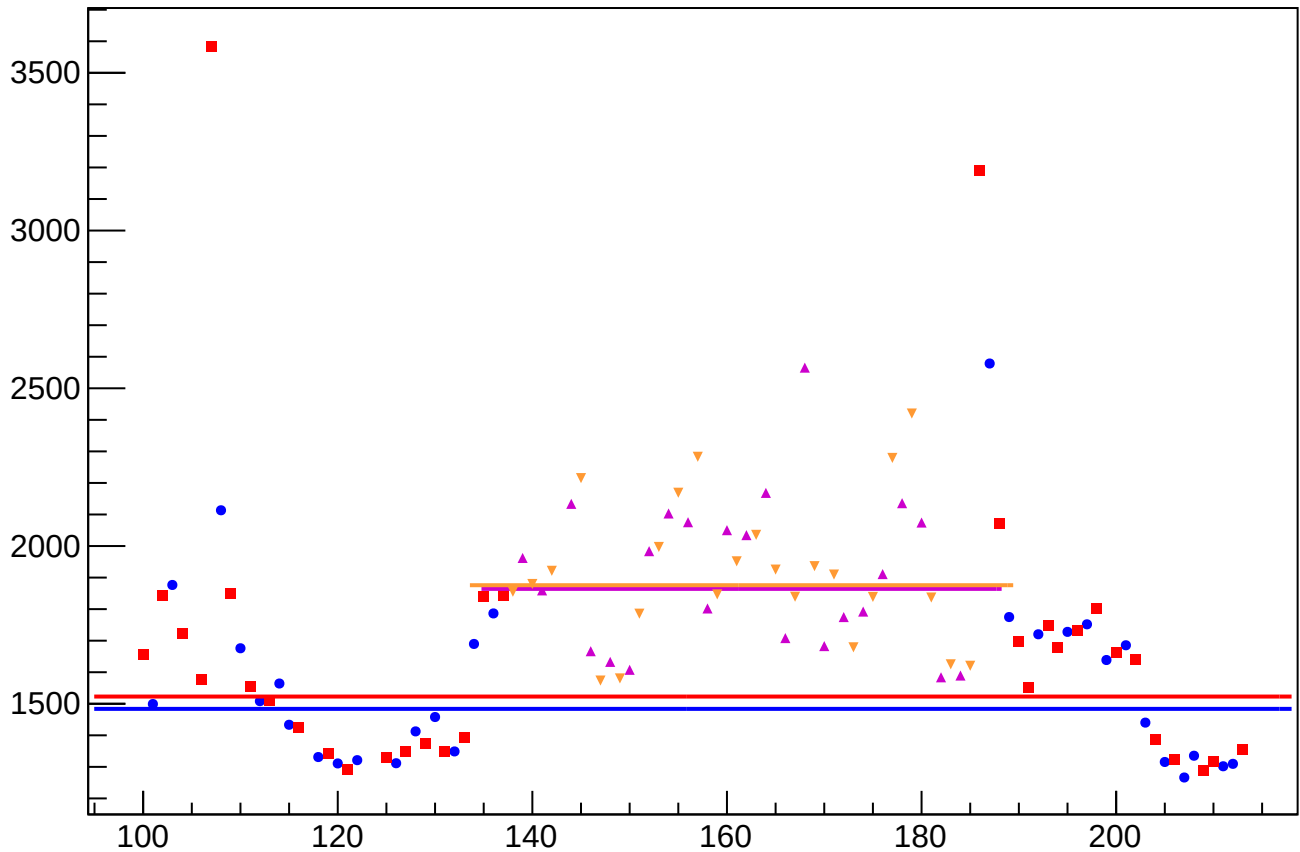
Left In: -1796.308 ± 439.143 χ^2/NDF : 14.2/22

+ sign 2736.093 ± 278.091 χ^2/NDF : 54.7/52

All: 563.099 ± 196.113 χ^2/NDF : 252.4/108

- sign -1586.753 ± 276.606 χ^2/NDF : 76.3/55

asym_usl_rms vs Slug



Right In: 1483.830+/-0.254 χ^2/NDF : 668310.4/28

Left Out: 1875.818+/-0.311 χ^2/NDF : 472556.0/23

+ sign 1640.891+/-0.197 χ^2/NDF : 2095109.2/52

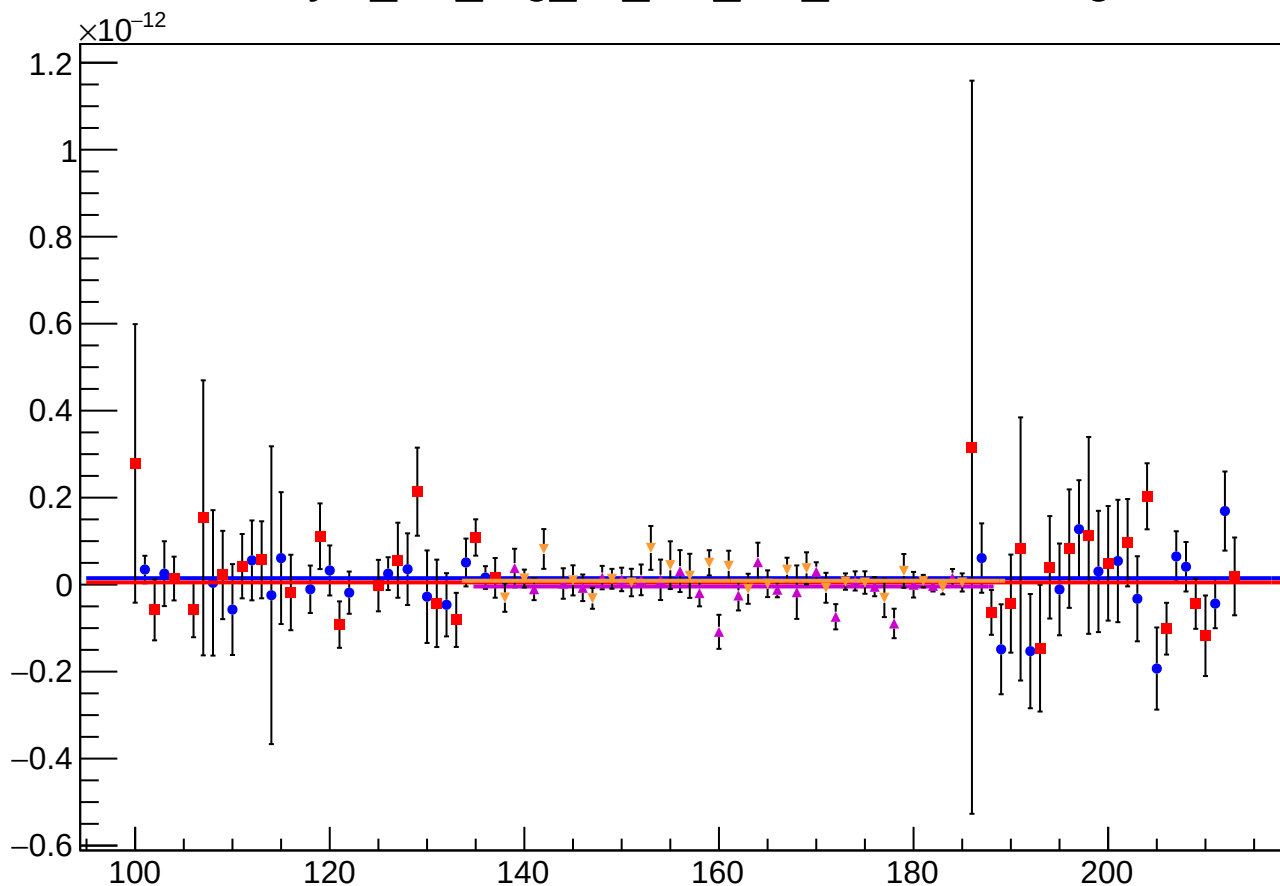
Right Out: 1522.903+/-0.252 χ^2/NDF : 1073845.9/32

All: 1649.640+/-0.139 χ^2/NDF : 4412093.2/10

- sign 1658.295+/-0.196 χ^2/NDF : 2313045.9/55

Left In: 1864.162+/-0.311 χ^2/NDF : 510600.5/22

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 16.6/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.0/32

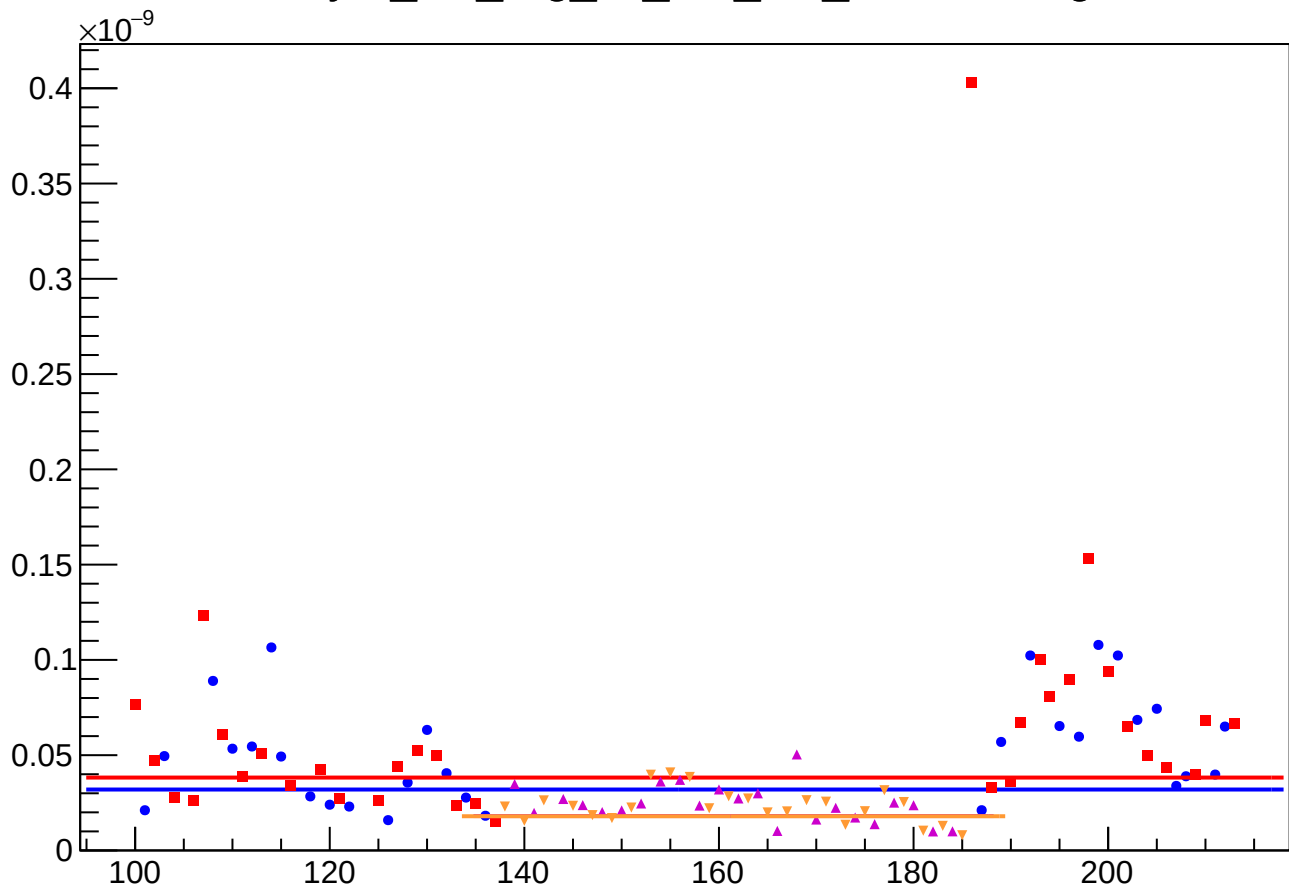
Left In: -0.000 ± 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 35.8/52

All: 0.000 ± 0.000 χ^2/NDF : 106.7/108

- sign -0.000 ± 0.000 χ^2/NDF : 67.5/55

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5314072.4/28

Left Out: 0.000+/-0.000 χ^2/NDF :3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 4407952.9/32

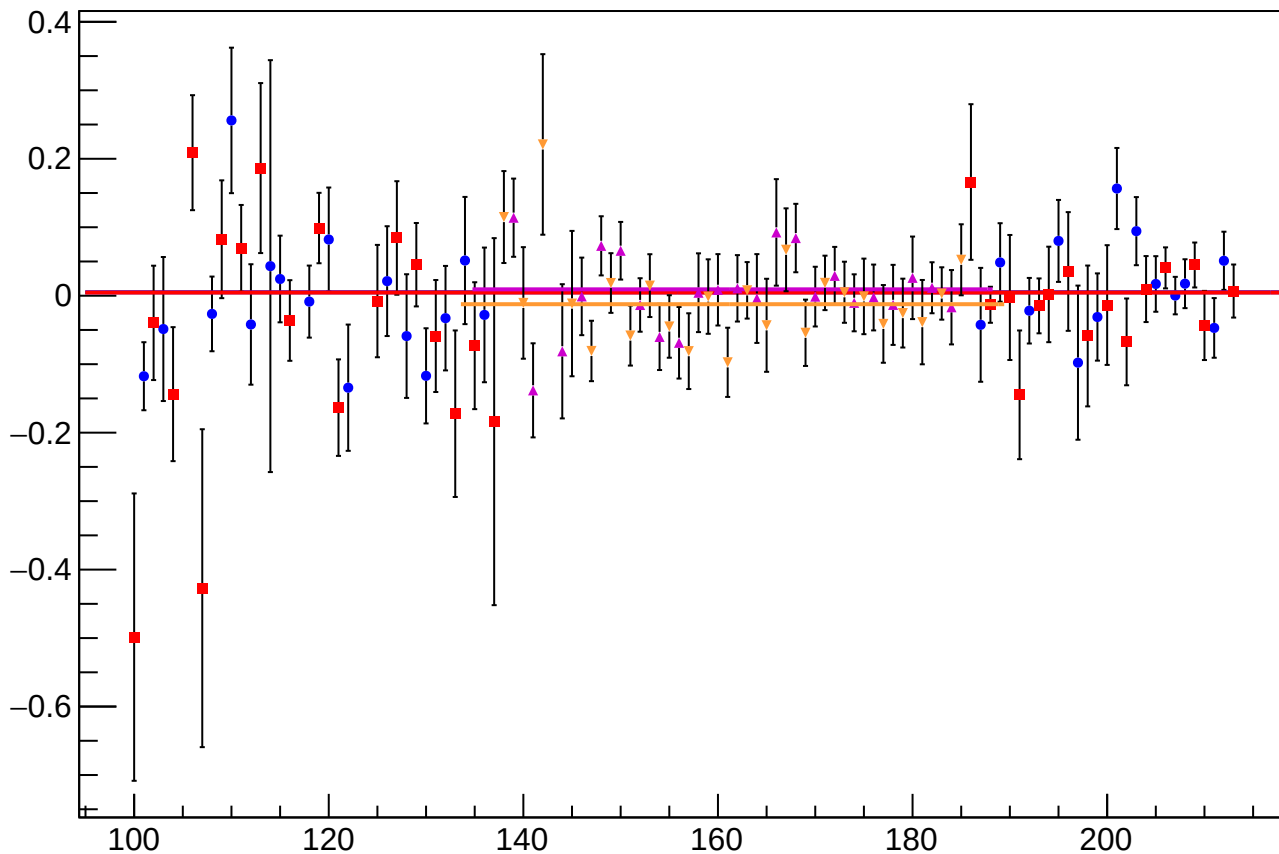
Left In: 0.000+/-0.000 χ^2/NDF :4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 11163004.4/52

All: 0.000+/-0.000 χ^2/NDF : 23711136.7/108

- sign 0.000+/-0.000 χ^2/NDF : 12535852.2/55

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.011 χ^2/NDF : 36.8/28

Left Out: -0.012 ± 0.010 χ^2/NDF : 21.9/23

Right Out: 0.005 ± 0.010 χ^2/NDF : 47.5/32

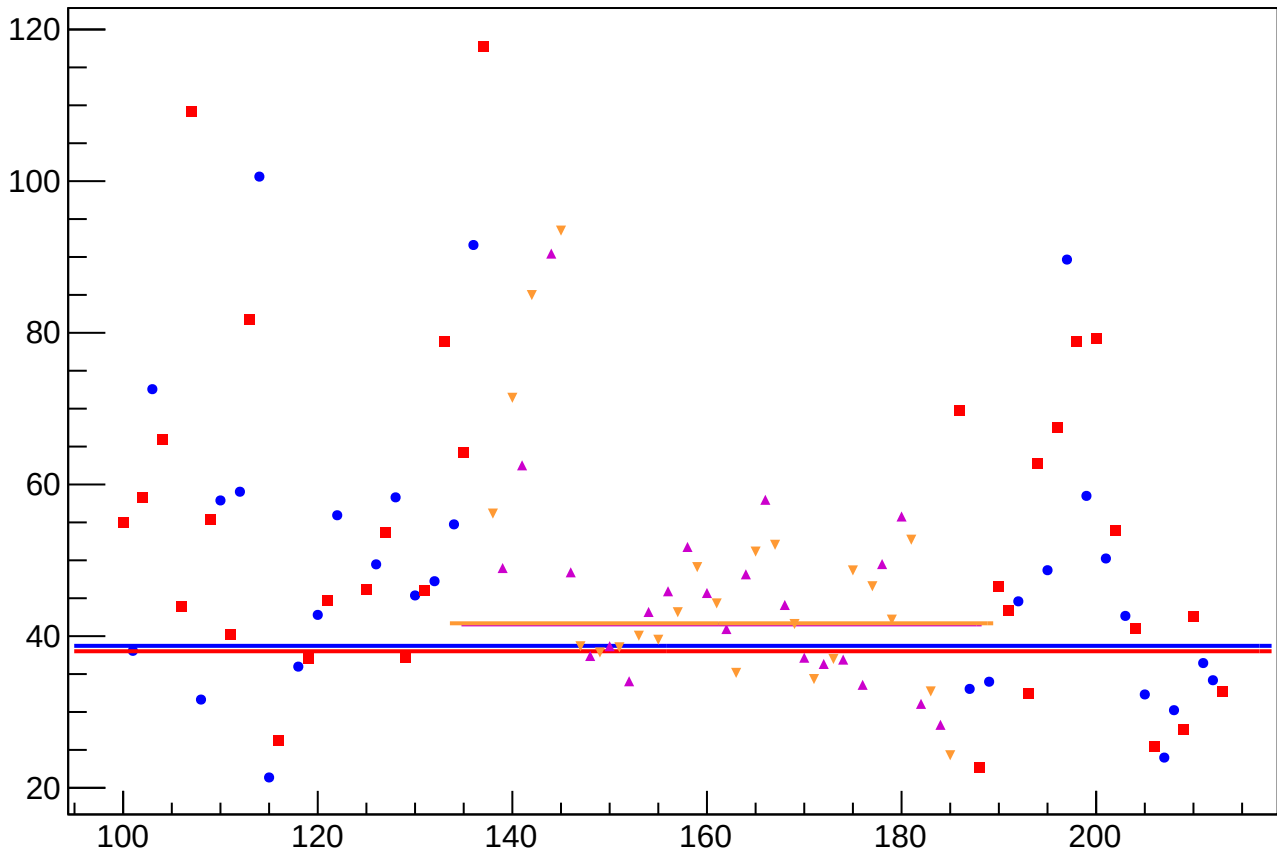
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 ± 0.007 χ^2/NDF : 60.1/52

All: 0.002 ± 0.005 χ^2/NDF : 130.7/108

- sign 0.007 ± 0.007 χ^2/NDF : 69.5/55

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 38.723+/-0.008 χ^2/NDF : 3109107.4/28

Left Out: 41.694+/-0.007 χ^2/NDF :1821790.0/23

Right Out: 38.009+/-0.007 χ^2/NDF : 4466941.0/32

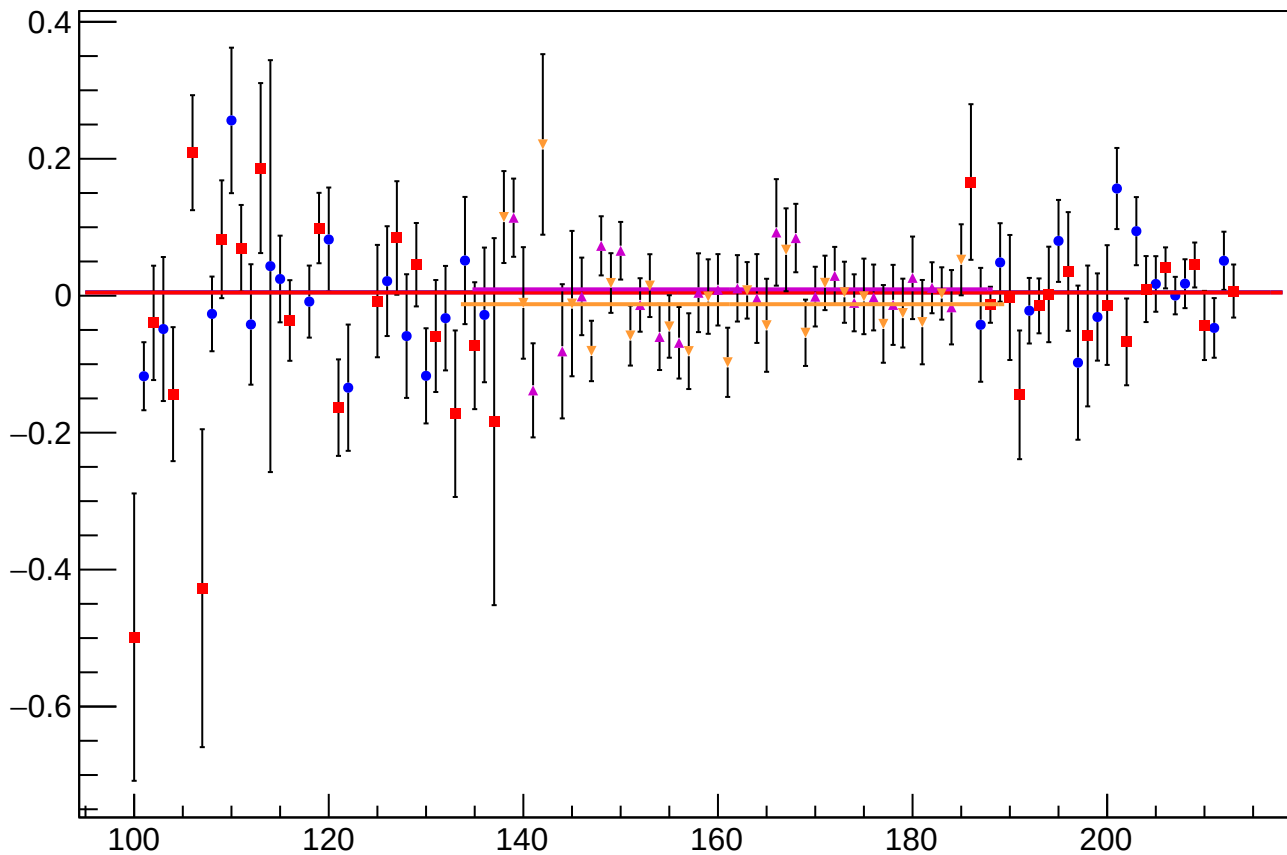
Left In: 41.550+/-0.007 χ^2/NDF :1612979.7/22

+ sign 40.230+/-0.005 χ^2/NDF : 5009969.1/52

All: 39.988+/-0.004 χ^2/NDF : 11209953.1/108

- sign 39.753+/-0.005 χ^2/NDF : 6195847.0/55

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.011 χ^2 /NDF: 36.8/28

Left Out: -0.012 $\pm$ 0.010 χ^2 /NDF:21.9/23

Right Out: 0.005 $\pm$ 0.010 χ^2 /NDF: 47.5/32

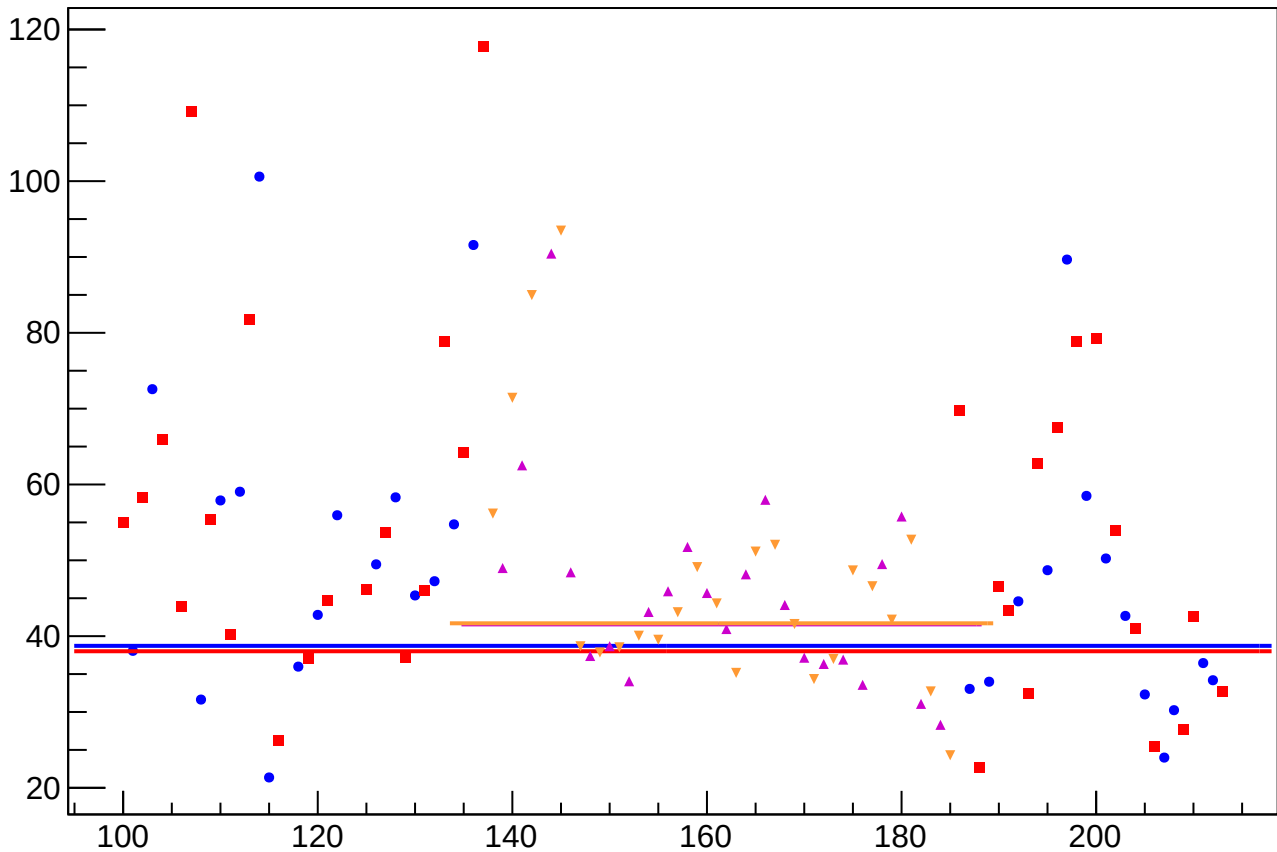
Left In: 0.009 $\pm$ 0.010 χ^2 /NDF:21.9/22

+ sign -0.004 $\pm$ 0.007 χ^2 /NDF: 60.1/52

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 130.7/108

- sign 0.007 $\pm$ 0.007 χ^2 /NDF: 69.5/55

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.723+/-0.008 χ^2/NDF : 3109107.4/28

Left Out: 41.694+/-0.007 χ^2/NDF : 1821790.0/23

Right Out: 38.009+/-0.007 χ^2/NDF : 4466941.0/32

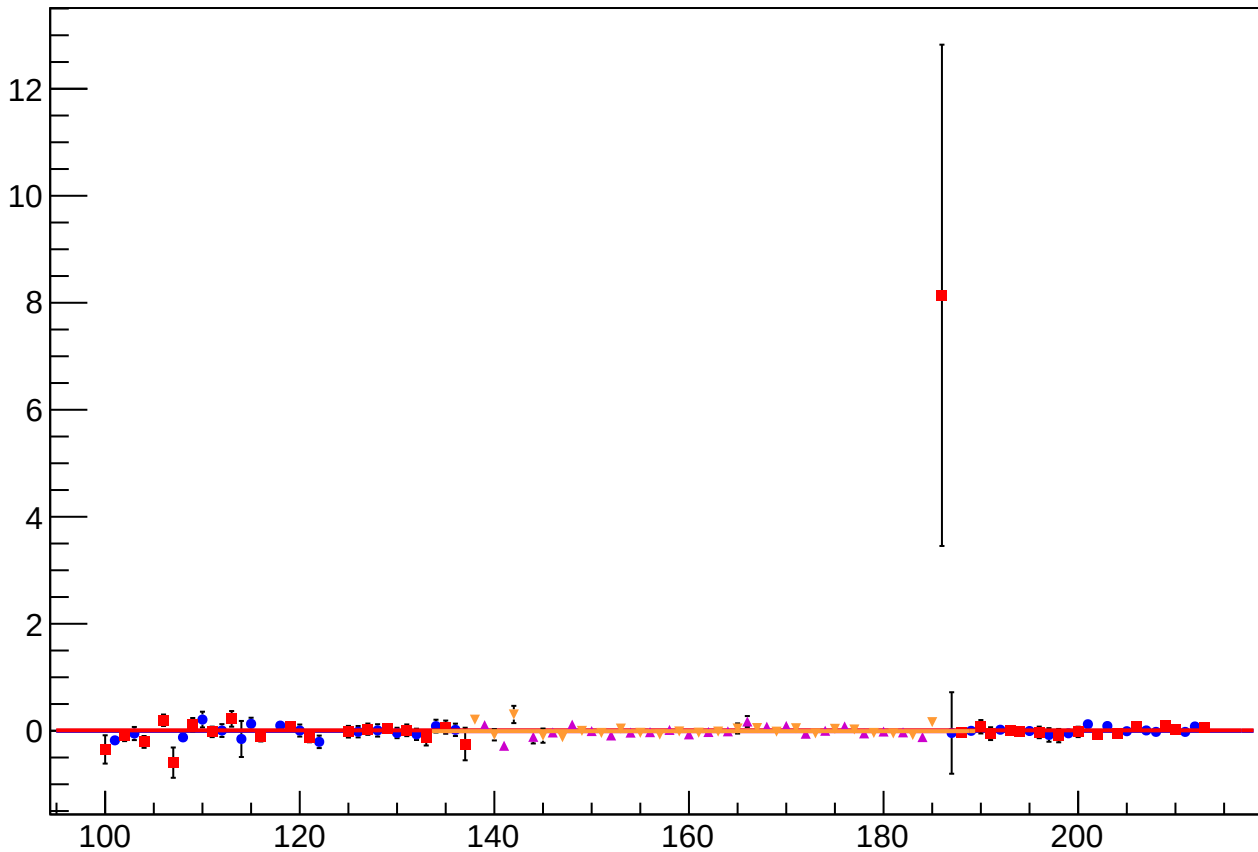
Left In: 41.550+/-0.007 χ^2/NDF : 1612979.7/22

+ sign 40.230+/-0.005 χ^2/NDF : 5009969.1/52

All: 39.988+/-0.004 χ^2/NDF : 11209953.1/108

- sign 39.753+/-0.005 χ^2/NDF : 6195847.0/55

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002 ± 0.015 χ^2/NDF : 26.5/28

Left Out: -0.007 ± 0.015 χ^2/NDF : 23.7/23

Right Out: 0.008 ± 0.015 χ^2/NDF : 37.1/32

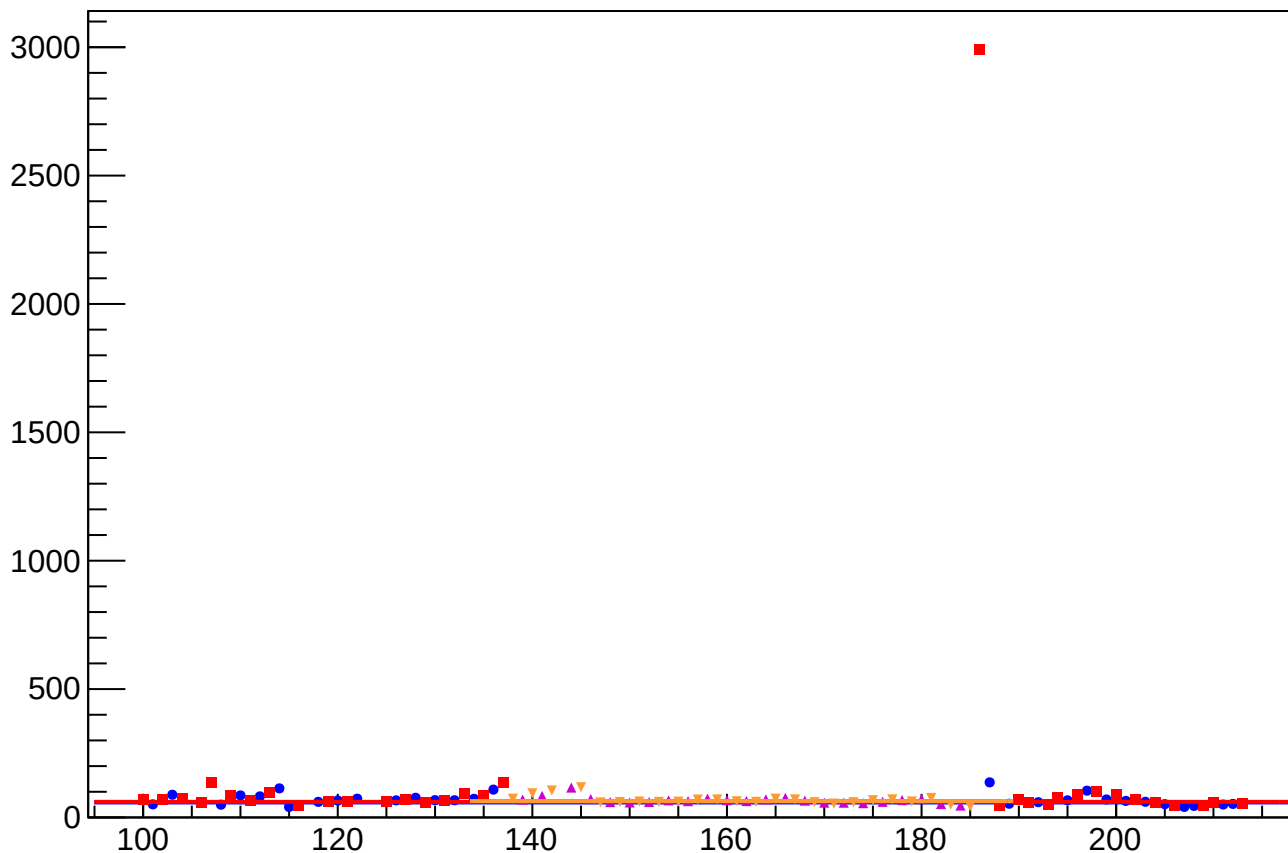
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.004 ± 0.011 χ^2/NDF : 50.2/52

All: -0.002 ± 0.008 χ^2/NDF : 116.1/108

- sign 0.000 ± 0.011 χ^2/NDF : 65.8/55

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.376 $\pm$ 0.011 χ^2 /NDF: 1844383.8/28

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF: 1078823.1/23

Right Out: 60.837 $\pm$ 0.011 χ^2 /NDF: 2745422.4/32

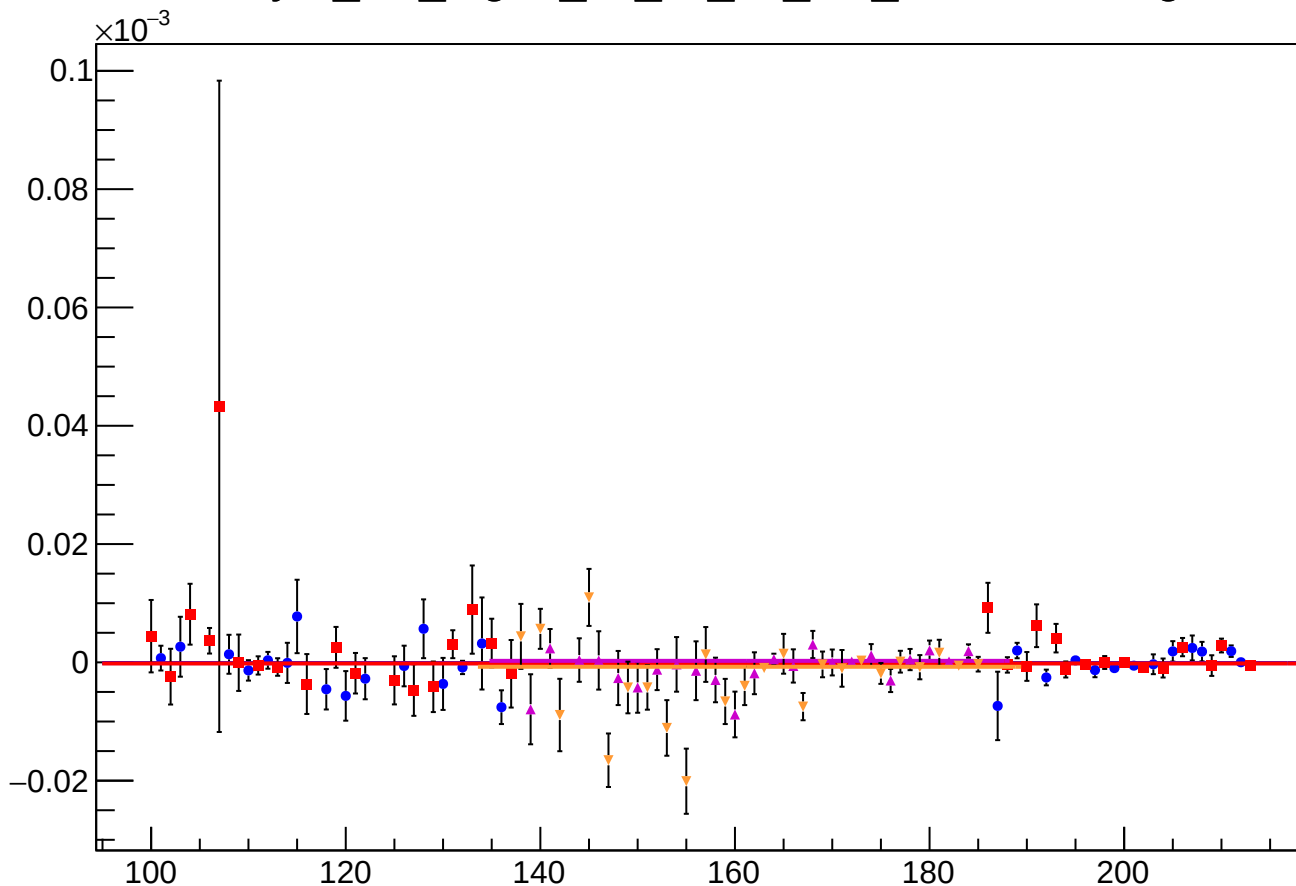
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF: 838789.3/22

+ sign 61.037 $\pm$ 0.008 χ^2 /NDF: 3048004.9/52

All: 61.722 $\pm$ 0.005 χ^2 /NDF: 6691572.0/108

- sign 62.415 $\pm$ 0.008 χ^2 /NDF: 3627419.5/55

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.8/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 60.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 39.9/32

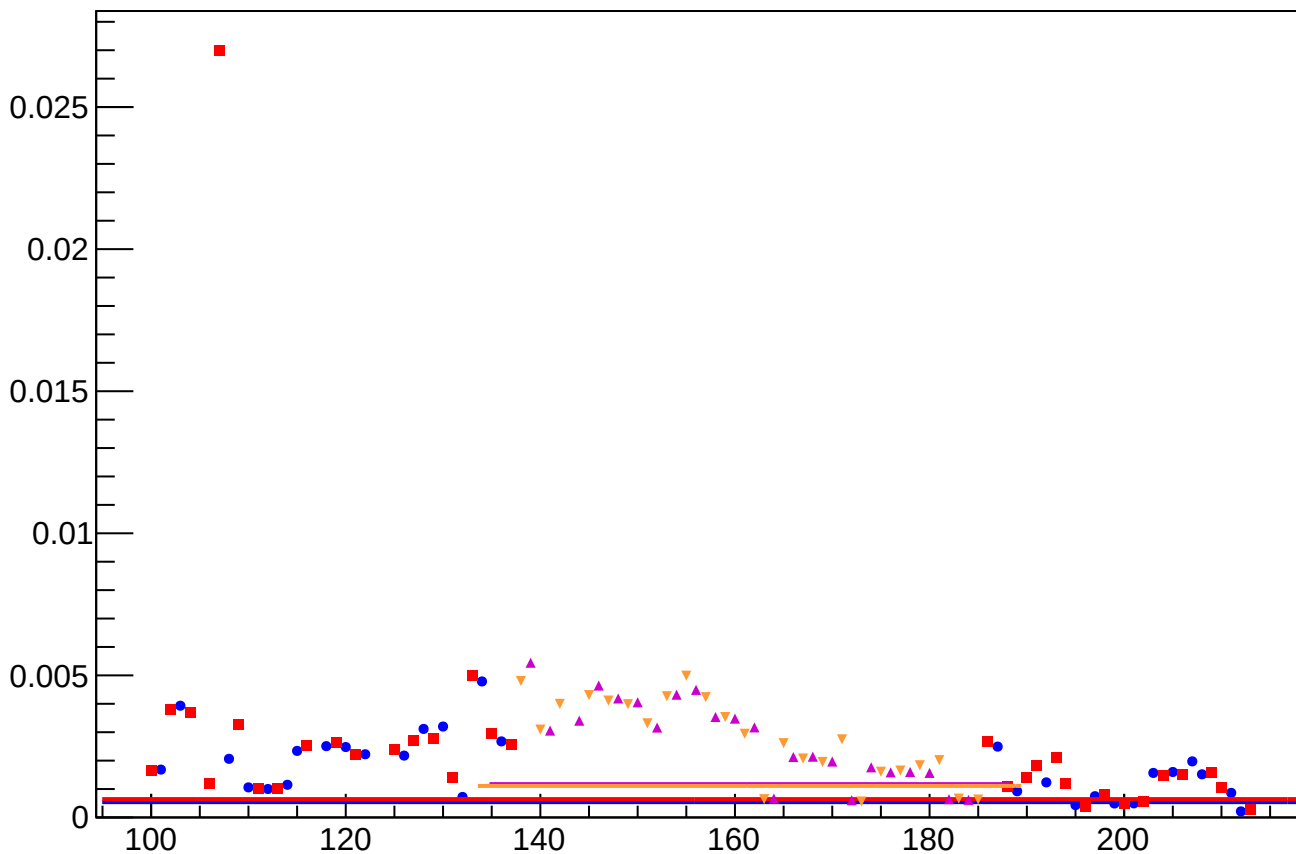
Left In: 0.000 ± 0.000 χ^2/NDF : 18.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 100.4/52

All: -0.000 ± 0.000 χ^2/NDF : 160.8/108

- sign -0.000 ± 0.000 χ^2/NDF : 59.8/55

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 14821810.3/28

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF :15160045.8/23

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 14609751.7/32

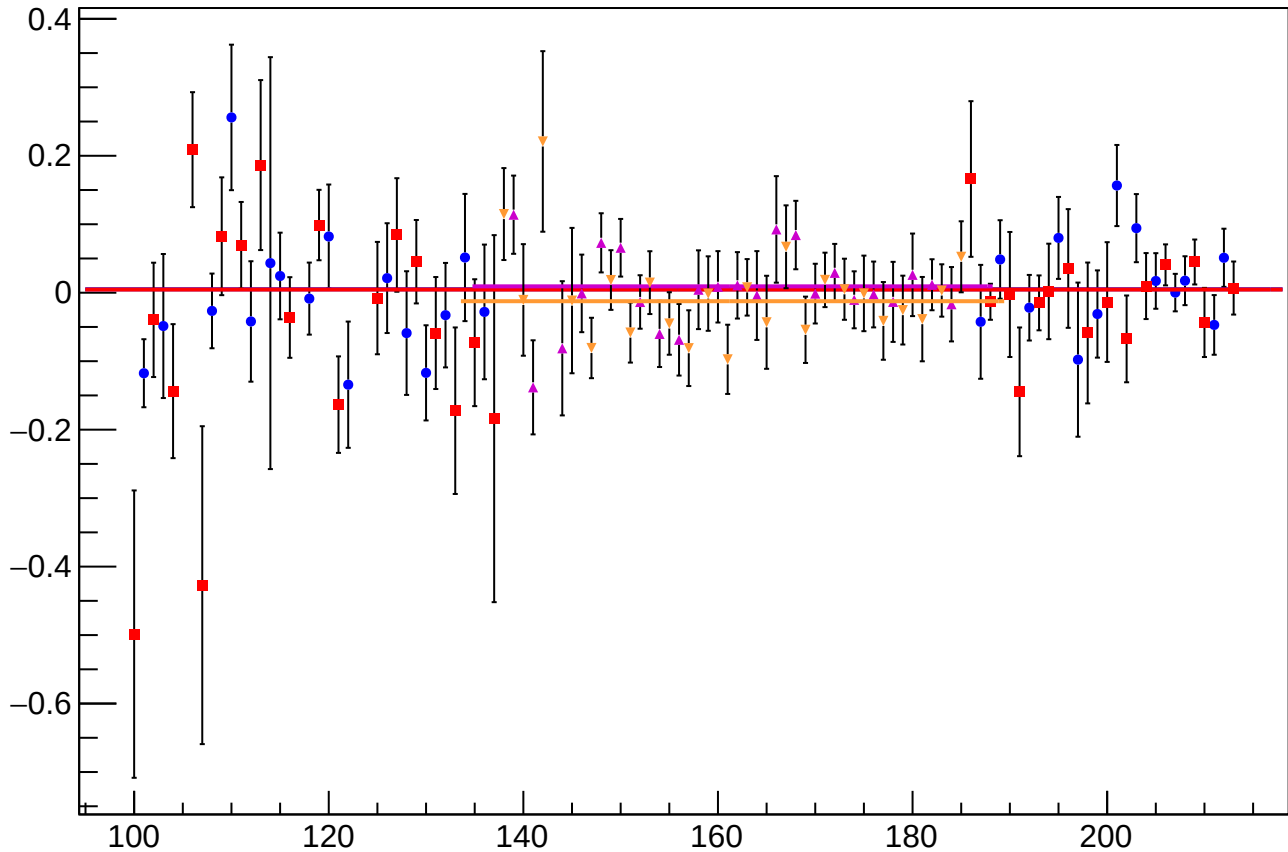
Left In: 0.001 $\pm$ 0.000 χ^2/NDF :14252589.1/22

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 34326075.9/52

All: 0.001 $\pm$ 0.000 χ^2/NDF : 66859670.4/108

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 32087773.4/55

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.011 χ^2/NDF : 36.8/28

Left Out: -0.012 $\pm$ 0.010 χ^2/NDF : 21.9/23

Right Out: 0.005 $\pm$ 0.010 χ^2/NDF : 47.5/32

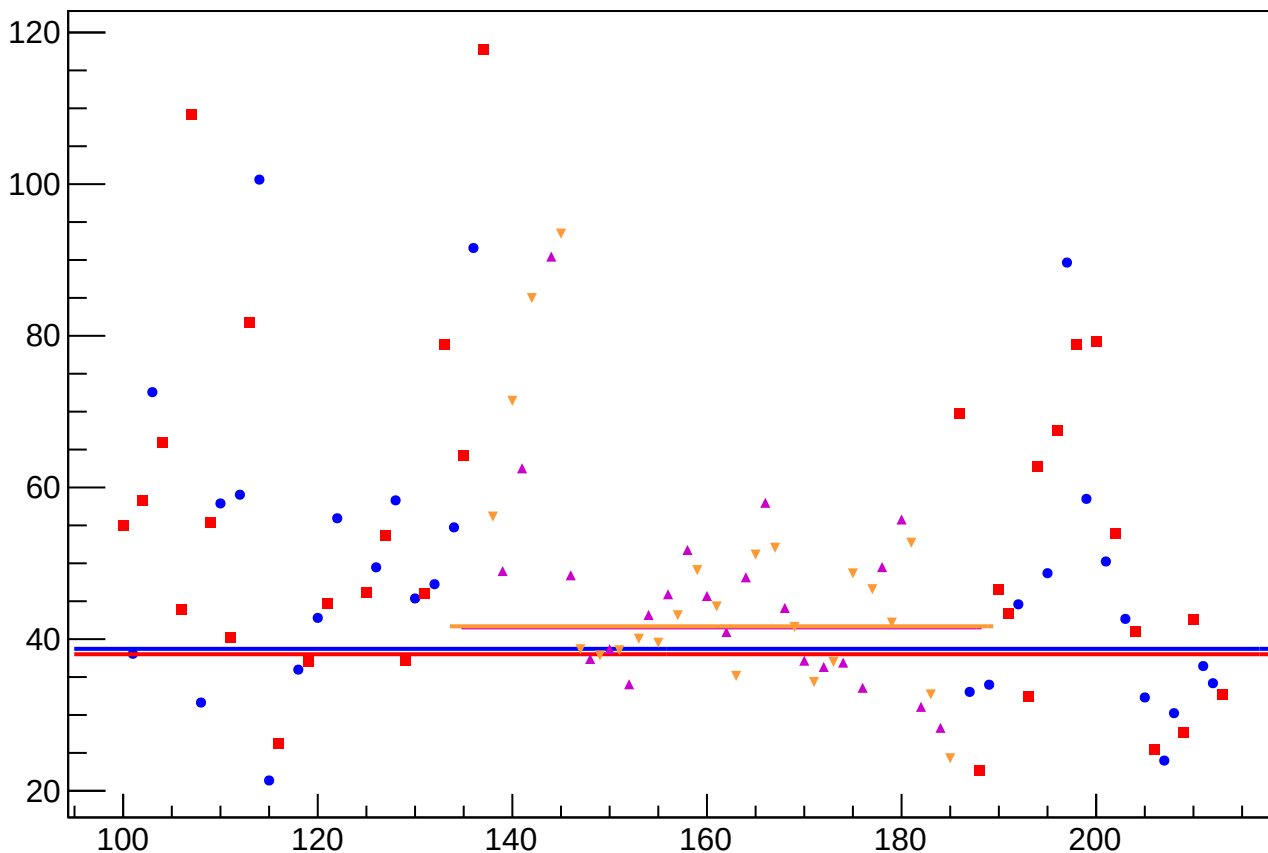
Left In: 0.009 $\pm$ 0.010 χ^2/NDF : 21.9/22

+ sign -0.004 $\pm$ 0.007 χ^2/NDF : 60.1/52

All: 0.002 $\pm$ 0.005 χ^2/NDF : 130.7/108

- sign 0.007 $\pm$ 0.007 χ^2/NDF : 69.5/55

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.722 ± 0.008 $\chi^2/\text{NDF}: 3109090.7/28$

Left Out: 41.695 ± 0.007 $\chi^2/\text{NDF}: 1821753.6/23$

Right Out: 38.009 ± 0.007 $\chi^2/\text{NDF}: 4466823.2/32$

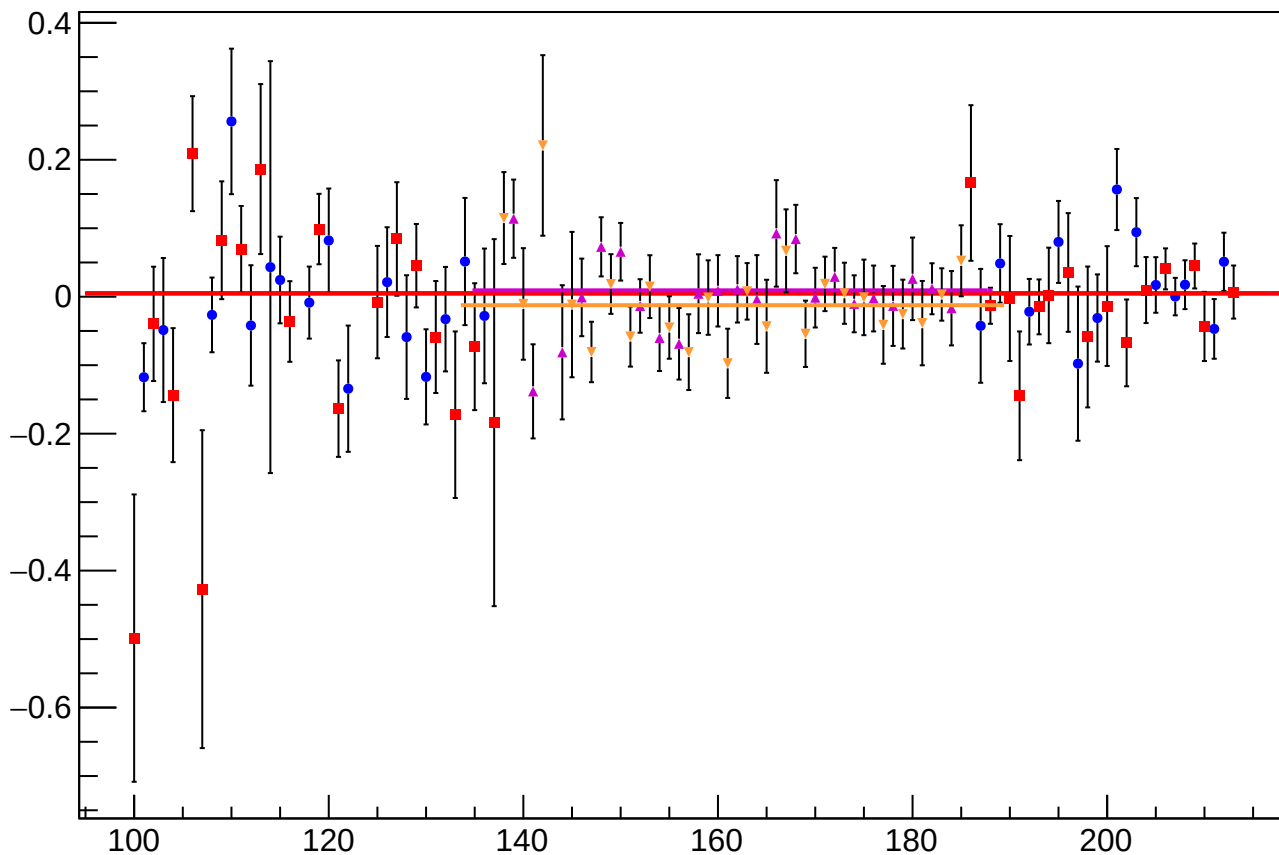
Left In: 41.551 ± 0.007 $\chi^2/\text{NDF}: 1612941.1/22$

+ sign 40.230 ± 0.005 $\chi^2/\text{NDF}: 5009932.9/52$

All: 39.988 ± 0.004 $\chi^2/\text{NDF}: 11209776.2/108$

- sign 39.753 ± 0.005 $\chi^2/\text{NDF}: 6195709.2/55$

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.011 χ^2 /NDF: 36.8/28

Left Out: -0.012 $\pm$ 0.010 χ^2 /NDF:21.9/23

Right Out: 0.005 $\pm$ 0.010 χ^2 /NDF: 47.5/32

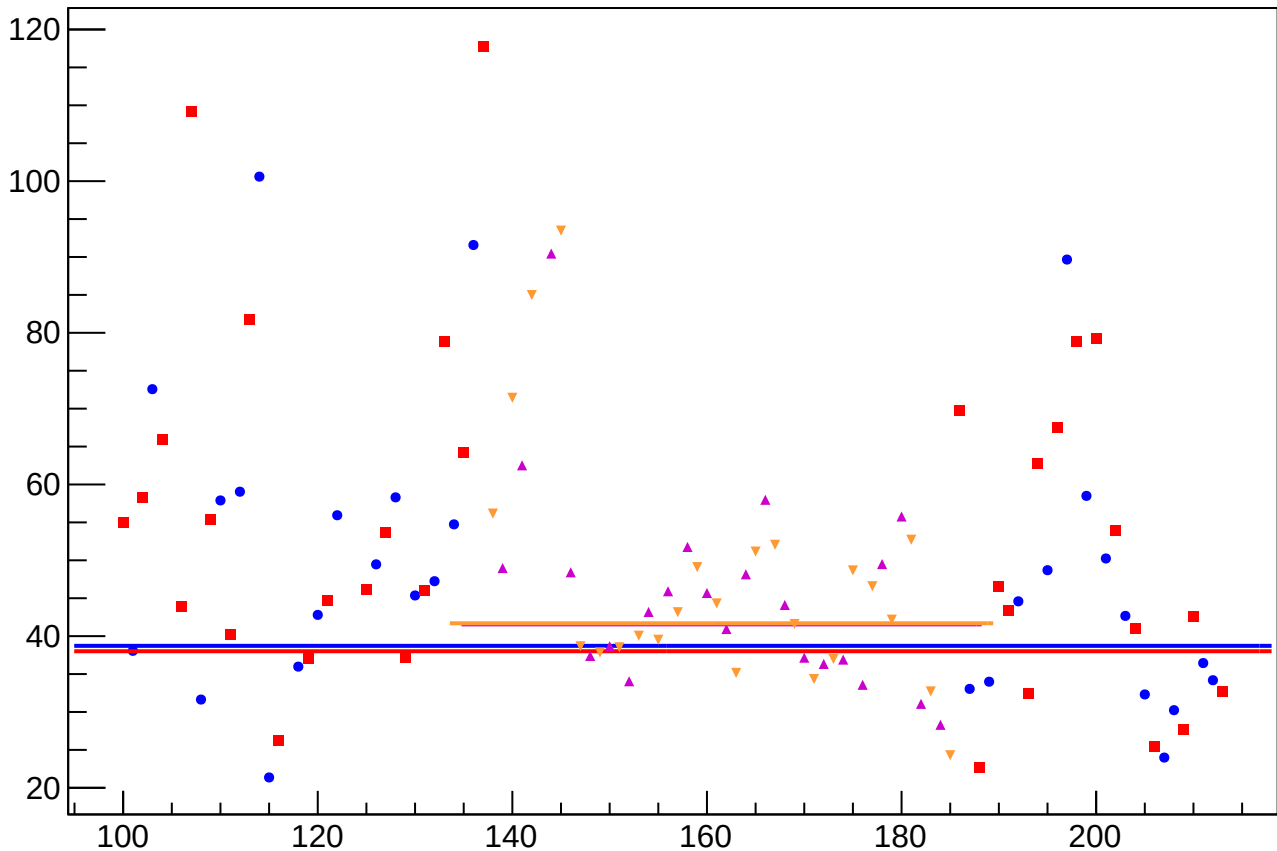
Left In: 0.009 $\pm$ 0.010 χ^2 /NDF:21.9/22

+ sign -0.004 $\pm$ 0.007 χ^2 /NDF: 60.1/52

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 130.7/108

- sign 0.007 $\pm$ 0.007 χ^2 /NDF: 69.5/55

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.722 $\pm$ 0.008 χ^2 /NDF: 3109090.7/28

Left Out: 41.695 $\pm$ 0.007 χ^2 /NDF:1821753.6/23

Right Out: 38.009 $\pm$ 0.007 χ^2 /NDF: 4466823.2/32

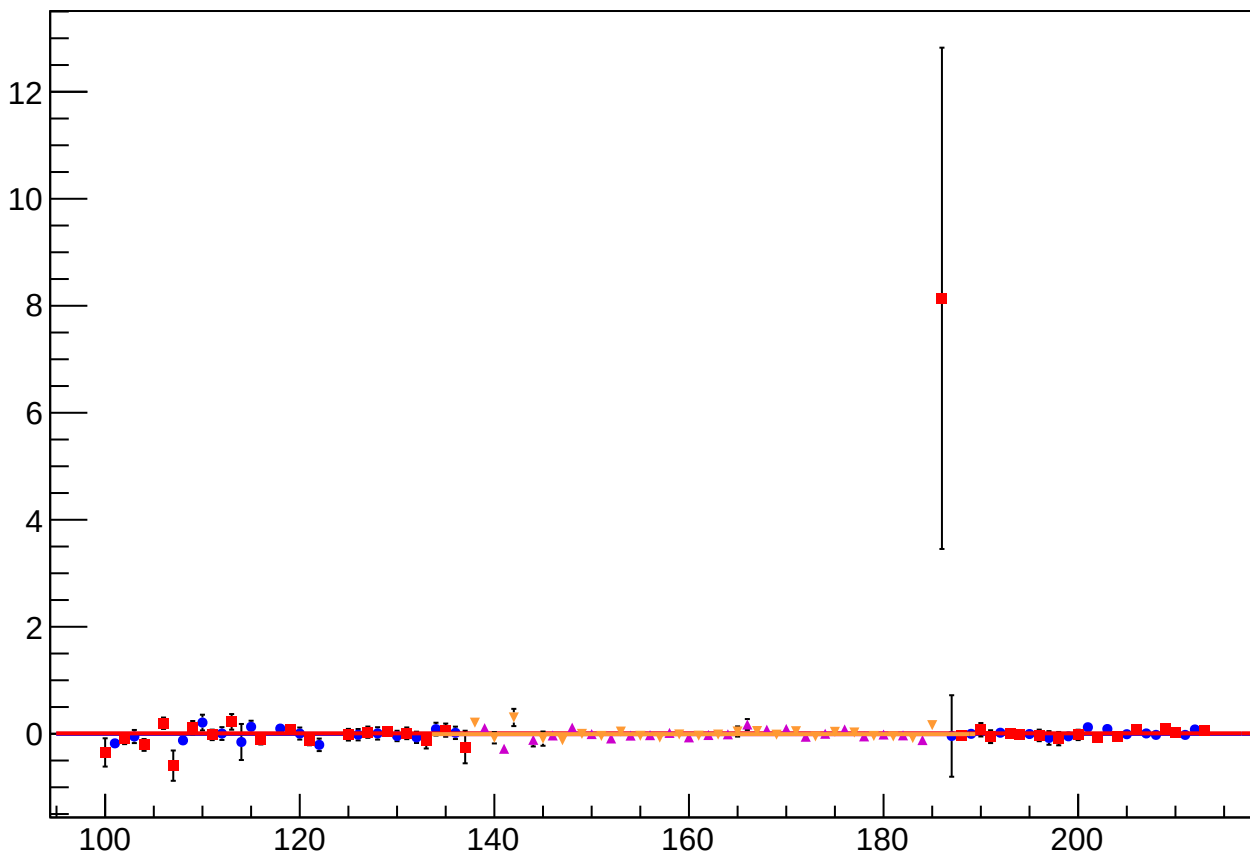
Left In: 41.551 $\pm$ 0.007 χ^2 /NDF:1612941.1/22

+ sign 40.230 $\pm$ 0.005 χ^2 /NDF: 5009932.9/52

All: 39.988 $\pm$ 0.004 χ^2 /NDF: 11209776.2/108

- sign 39.753 $\pm$ 0.005 χ^2 /NDF: 6195709.2/55

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002 ± 0.015 χ^2/NDF : 26.5/28

Left Out: -0.007 ± 0.015 χ^2/NDF : 23.7/23

Right Out: 0.008 ± 0.015 χ^2/NDF : 37.1/32

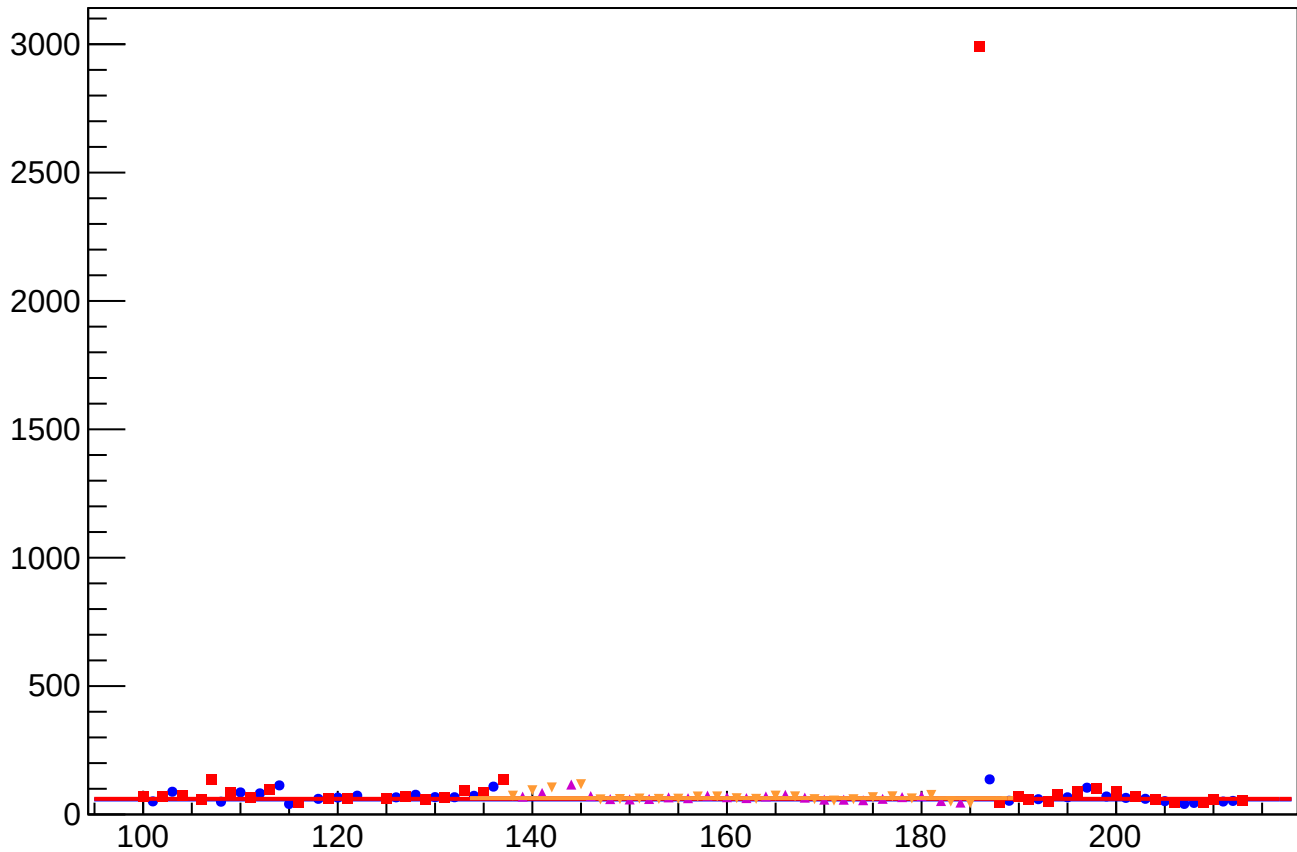
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.004 ± 0.011 χ^2/NDF : 50.2/52

All: -0.002 ± 0.008 χ^2/NDF : 116.1/108

- sign 0.000 ± 0.011 χ^2/NDF : 65.8/55

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.376+/-0.011 χ^2/NDF : 1844376.6/28

Left Out: 63.779+/-0.011 χ^2/NDF : 1078810.5/23

Right Out: 60.837+/-0.011 χ^2/NDF : 2745393.5/32

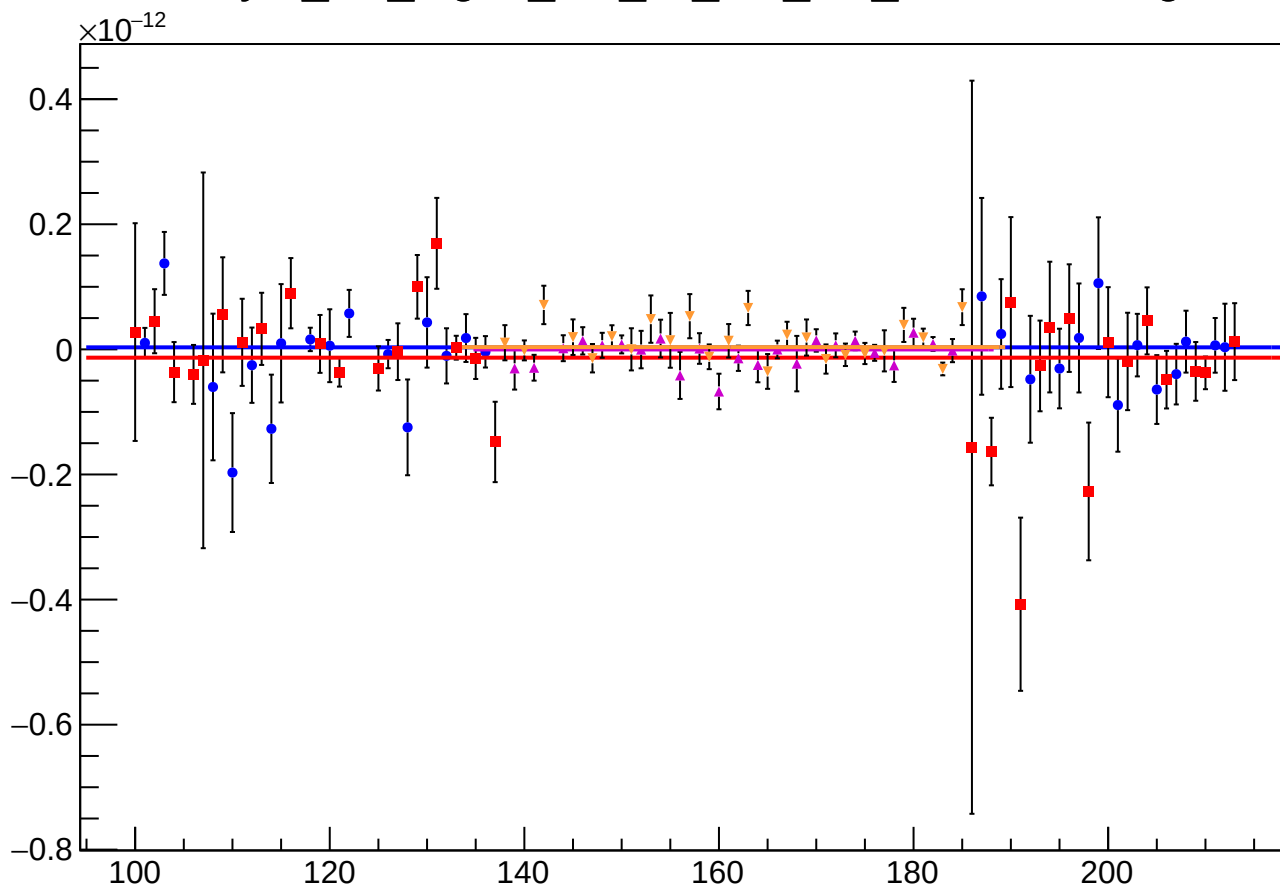
Left In: 64.036+/-0.011 χ^2/NDF : 838784.5/22

+ sign 61.037+/-0.008 χ^2/NDF : 3047996.1/52

All: 61.722+/-0.005 χ^2/NDF : 6691539.2/108

- sign 62.415+/-0.008 χ^2/NDF : 3627395.5/55

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 40.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 48.5/32

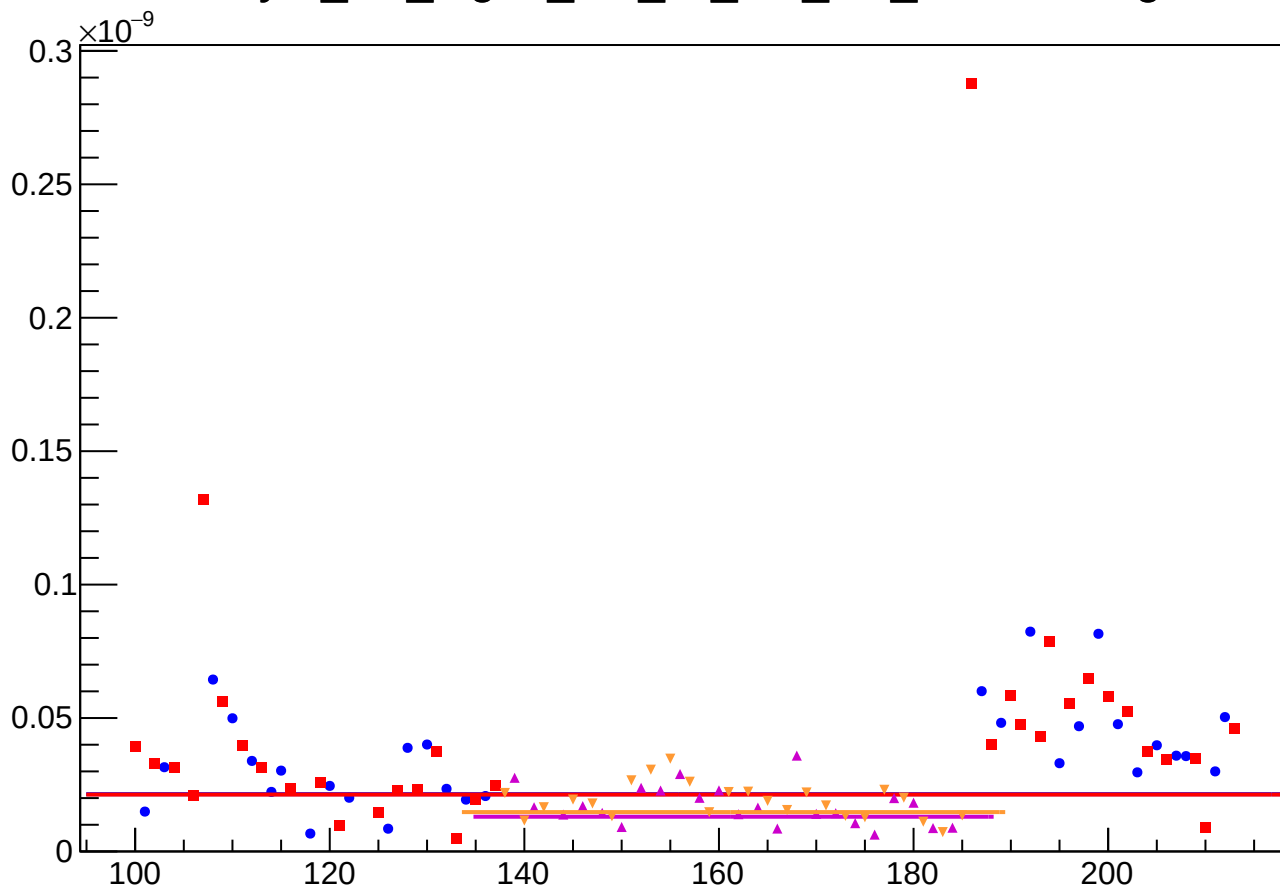
Left In: -0.000 ± 0.000 χ^2/NDF : 17.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 66.9/52

All: 0.000 ± 0.000 χ^2/NDF : 135.9/108

- sign -0.000 ± 0.000 χ^2/NDF : 67.7/55

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6142584.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7401694.8/32

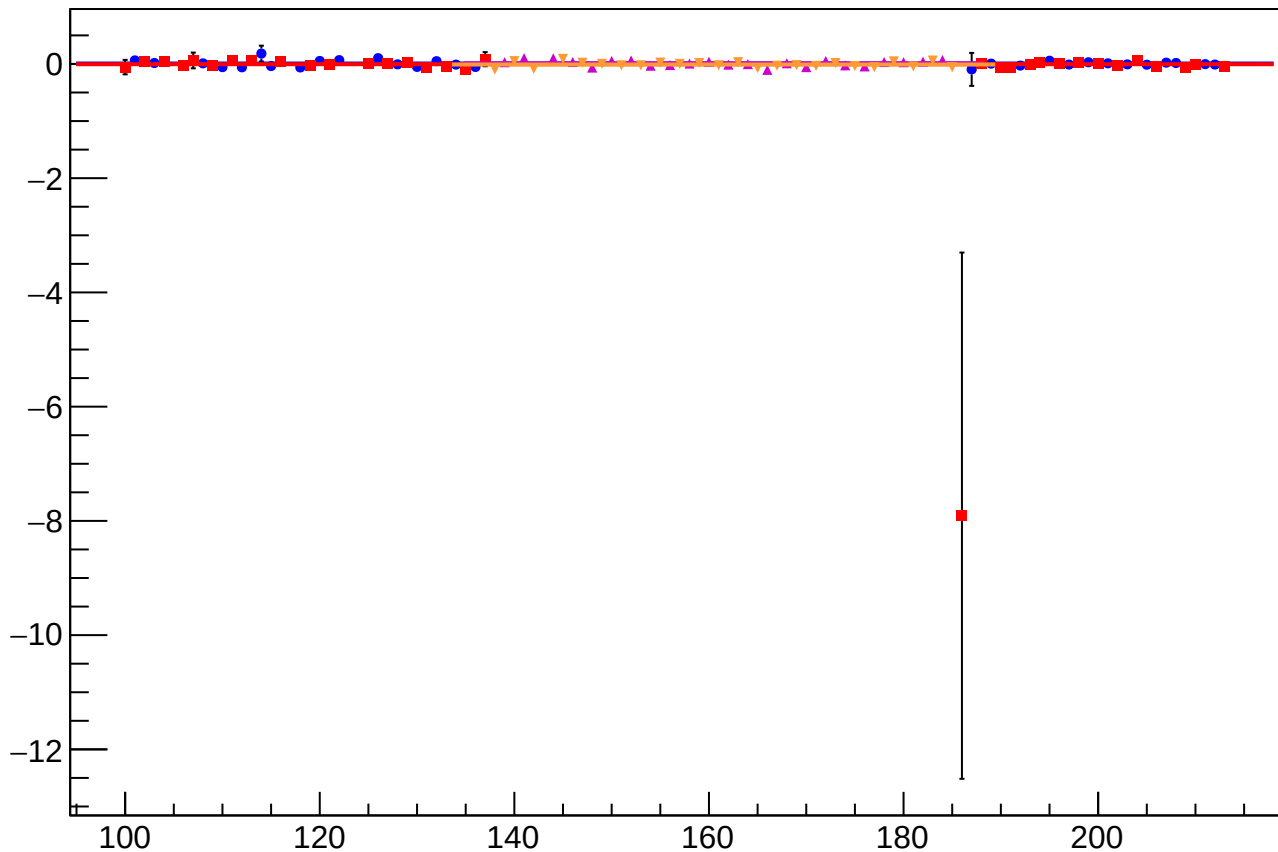
Left In: 0.000+/-0.000 χ^2/NDF : 3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 10725182.9/52

All: 0.000+/-0.000 χ^2/NDF : 23870592.3/108

- sign 0.000+/-0.000 χ^2/NDF : 12955535.5/55

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.008 χ^2 /NDF: 19.9/28

Left Out: -0.010 $\pm$ 0.009 χ^2 /NDF:19.4/23

Right Out: -0.005 $\pm$ 0.008 χ^2 /NDF: 29.4/32

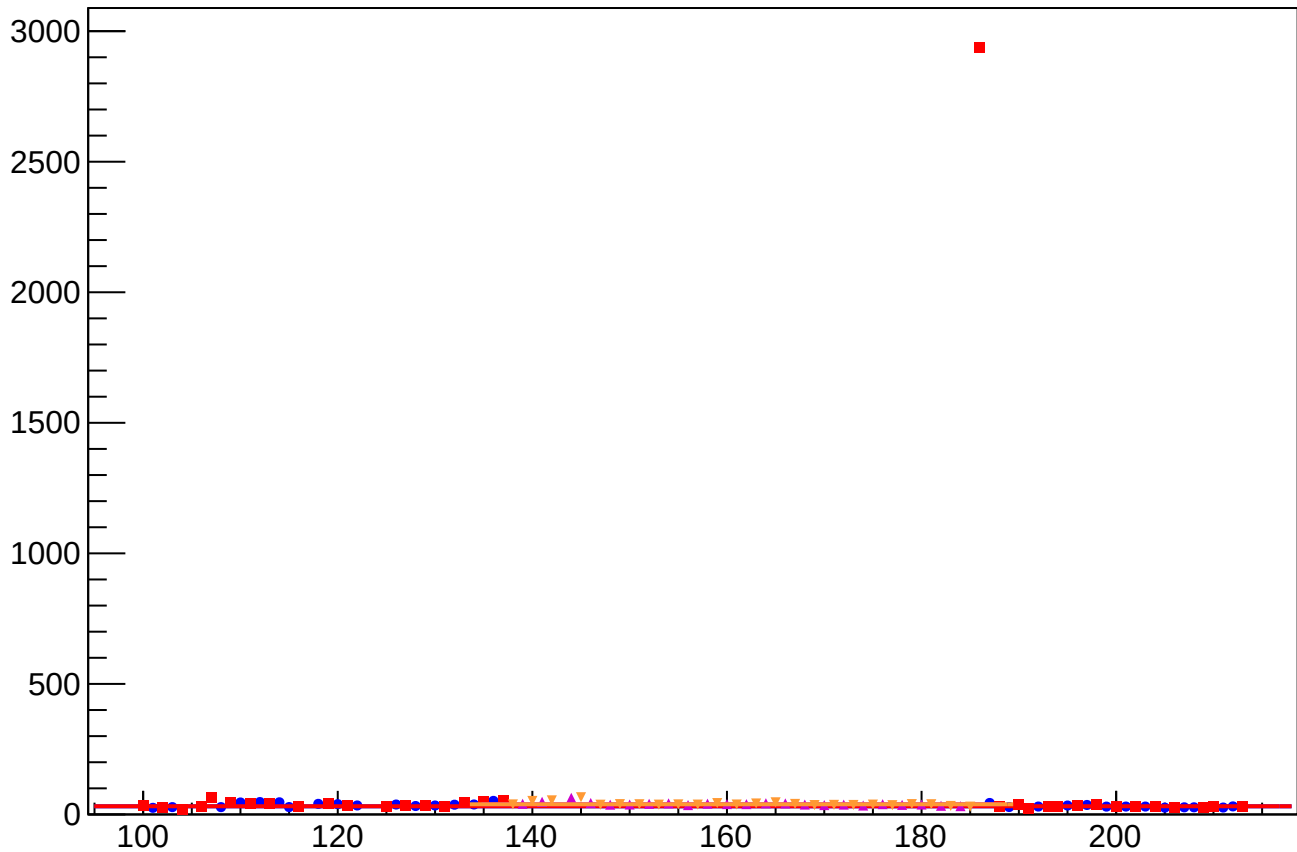
Left In: 0.011 $\pm$ 0.010 χ^2 /NDF:23.3/22

+ sign 0.000 $\pm$ 0.006 χ^2 /NDF: 41.3/52

All: 0.001 $\pm$ 0.004 χ^2 /NDF: 95.6/108

- sign 0.002 $\pm$ 0.006 χ^2 /NDF: 54.3/55

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.093 $\pm$ 0.006 χ^2 /NDF: 962162.3/28

Left Out: 38.972 $\pm$ 0.007 χ^2 /NDF: 624525.1/23

Right Out: 31.437 $\pm$ 0.006 χ^2 /NDF: 1986337.1/32

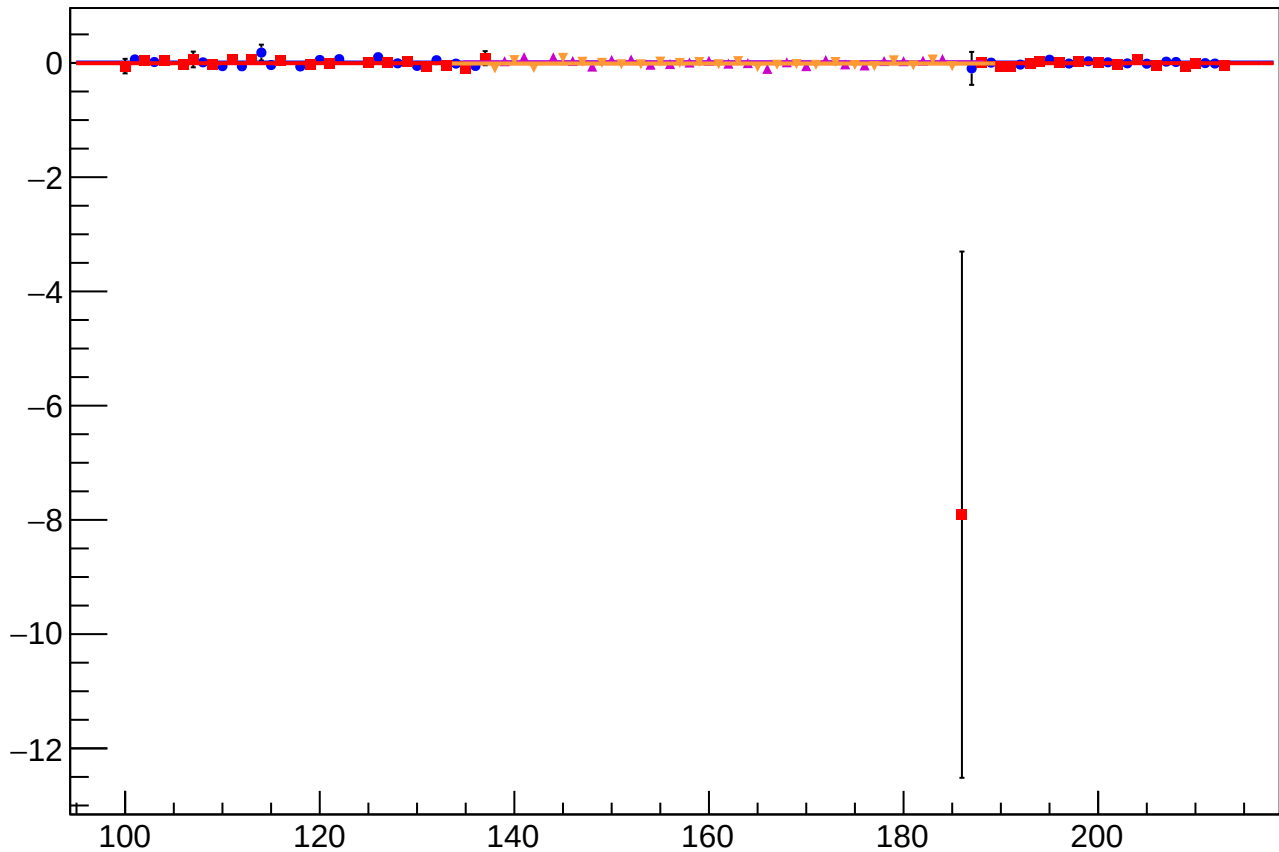
Left In: 39.179 $\pm$ 0.007 χ^2 /NDF: 521827.1/22

+ sign 34.356 $\pm$ 0.004 χ^2 /NDF: 2398844.8/52

All: 34.440 $\pm$ 0.003 χ^2 /NDF: 5696621.8/108

- sign 34.522 $\pm$ 0.004 χ^2 /NDF: 3297025.0/55

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF : 19.9/28

Left Out: -0.010+/-0.009 χ^2/NDF : 19.4/23

Right Out: -0.005+/-0.008 χ^2/NDF : 29.4/32

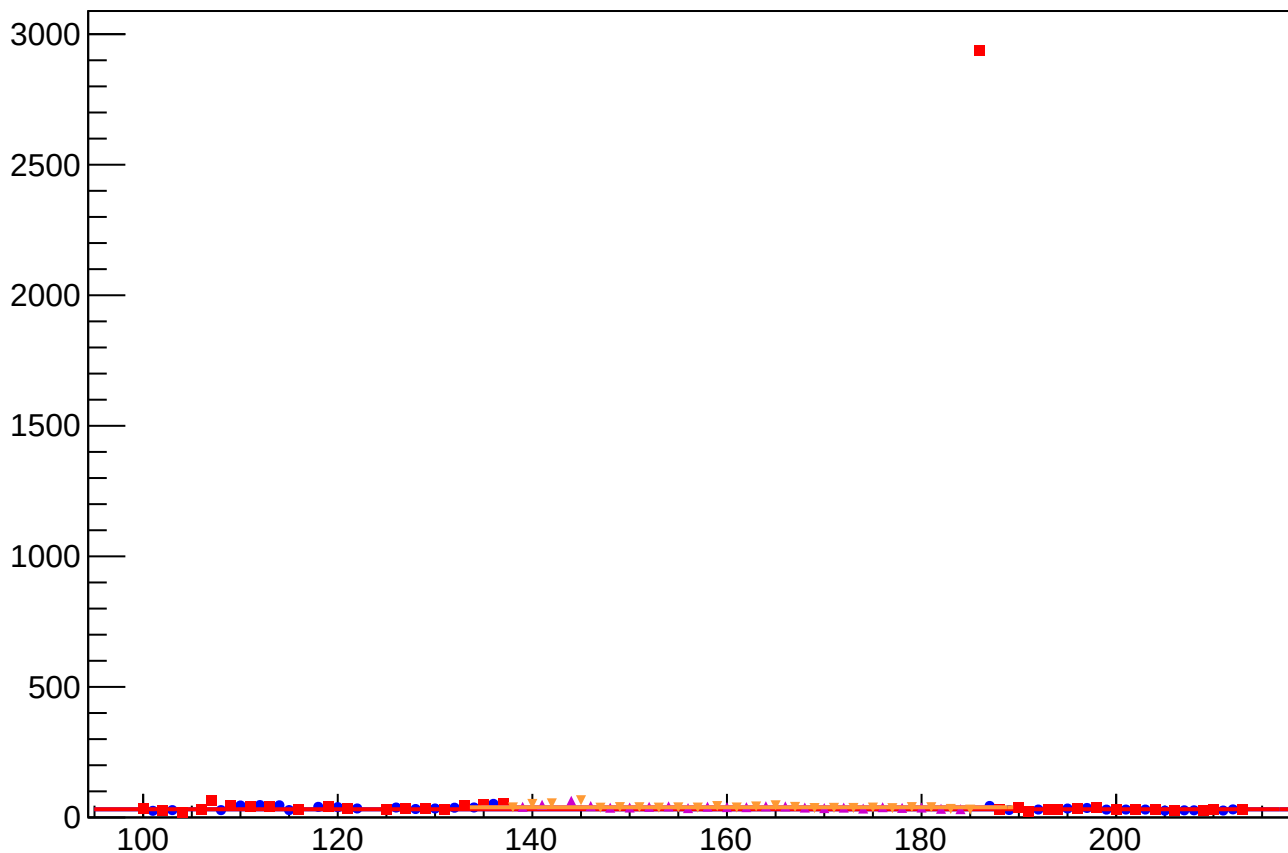
Left In: 0.011+/-0.010 χ^2/NDF : 23.3/22

+ sign 0.000+/-0.006 χ^2/NDF : 41.3/52

All: 0.001+/-0.004 χ^2/NDF : 95.6/108

- sign 0.002+/-0.006 χ^2/NDF : 54.3/55

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.093+/-0.006 χ^2/NDF : 962162.3/28

Left Out: 38.972+/-0.007 χ^2/NDF : 624525.1/23

Right Out: 31.437+/-0.006 χ^2/NDF : 1986337.1/32

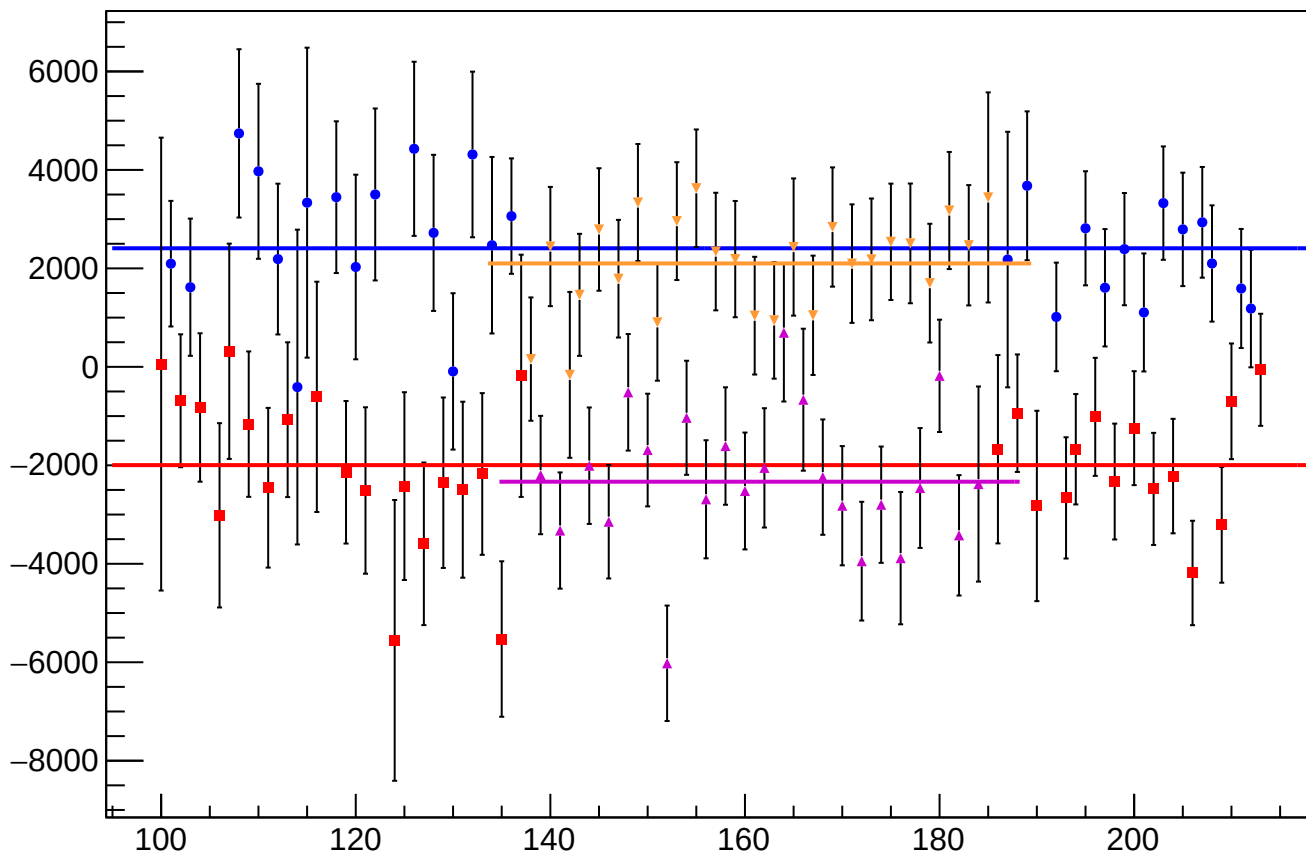
Left In: 39.179+/-0.007 χ^2/NDF : 521827.1/22

+ sign 34.356+/-0.004 χ^2/NDF : 2398844.8/52

All: 34.440+/-0.003 χ^2/NDF : 5696621.8/108

- sign 34.522+/-0.004 χ^2/NDF : 3297025.0/55

reg_asym_usr_mean vs Slug



Right In: 2408.597 $\pm$ 261.015 χ^2 /NDF: 16.8/28

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -1995.846 $\pm$ 253.046 χ^2 /NDF: 24.8/32

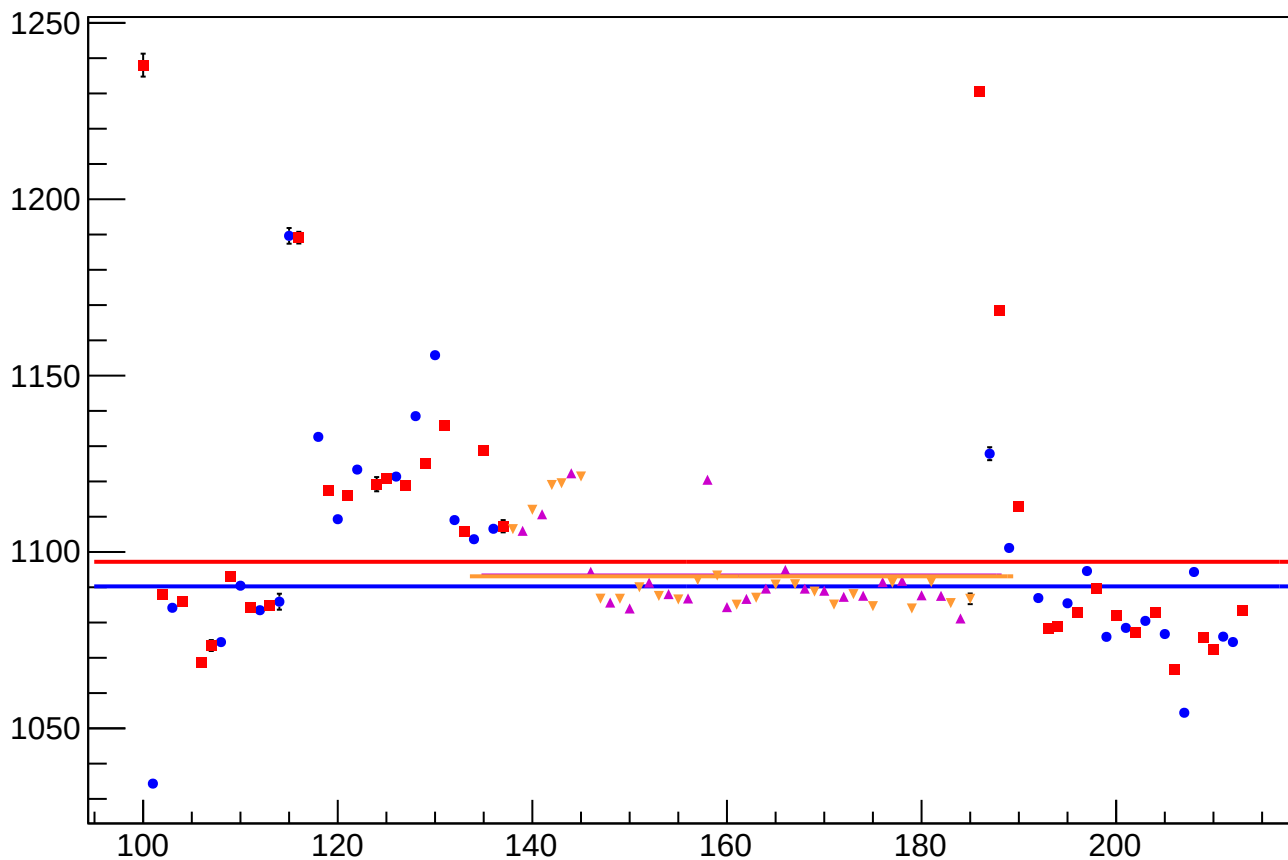
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2246.812 $\pm$ 179.904 χ^2 /NDF: 31.4/53

All: 39.651 $\pm$ 127.145 χ^2 /NDF: 387.2/109

- sign -2162.916 $\pm$ 179.717 χ^2 /NDF: 55.1/55

reg_asym_usr_rms vs Slug



Right In: 1090.248 $\pm$ 0.185 χ^2 /NDF: 19367.7/28

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.219 $\pm$ 0.179 χ^2 /NDF: 33027.1/32

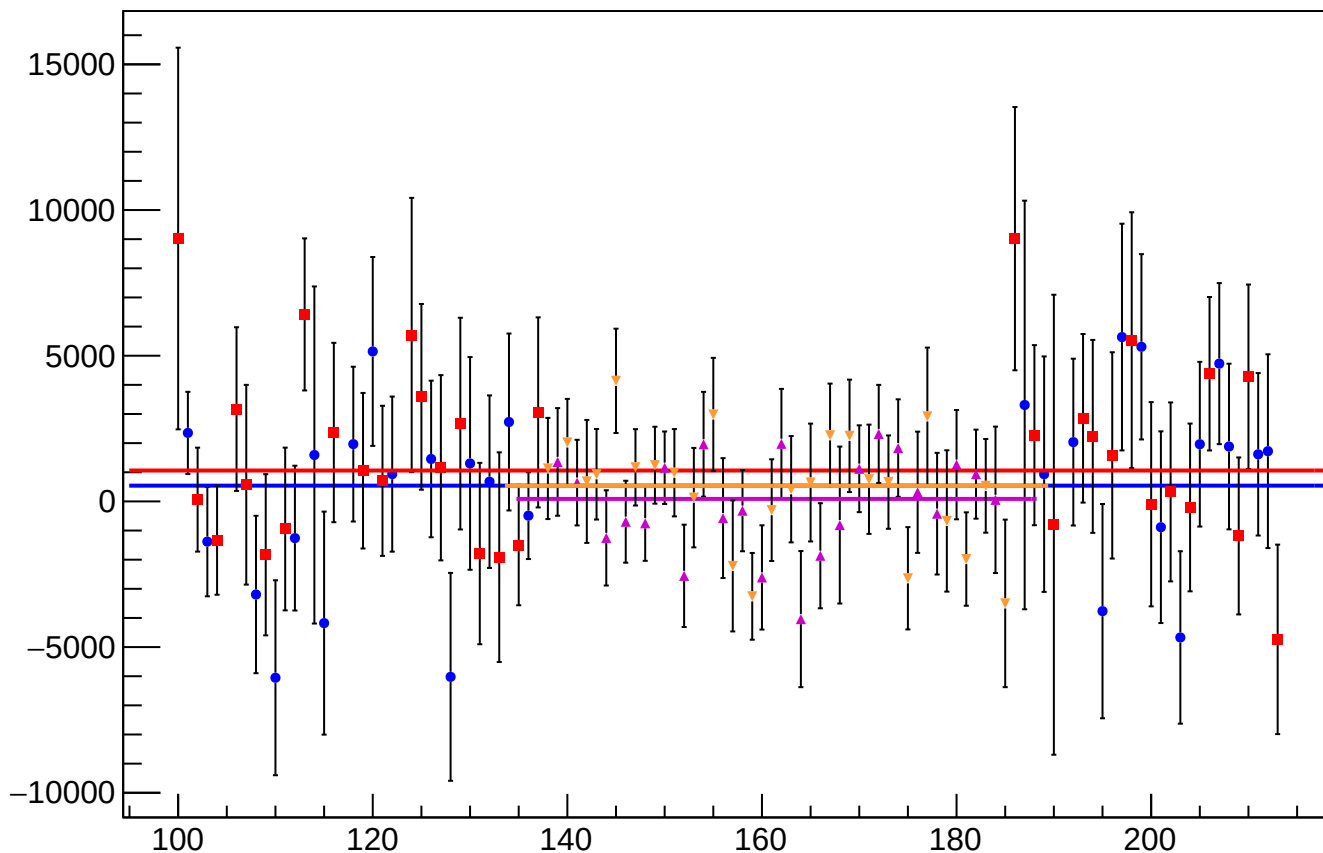
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1091.746 $\pm$ 0.127 χ^2 /NDF: 23476.4/53

All: 1093.523 $\pm$ 0.090 χ^2 /NDF: 60852.0/109

- sign 1095.296 $\pm$ 0.127 χ^2 /NDF: 36985.9/55

asym_usr_reg_correction_mean vs Slug



Right In: 540.618 $\pm$ 508.622 χ^2 /NDF: 29.6/28

Left Out: 532.982 $\pm$ 347.223 χ^2 /NDF: 26.4/24

Right Out: 1060.495 $\pm$ 515.618 χ^2 /NDF: 27.0/32

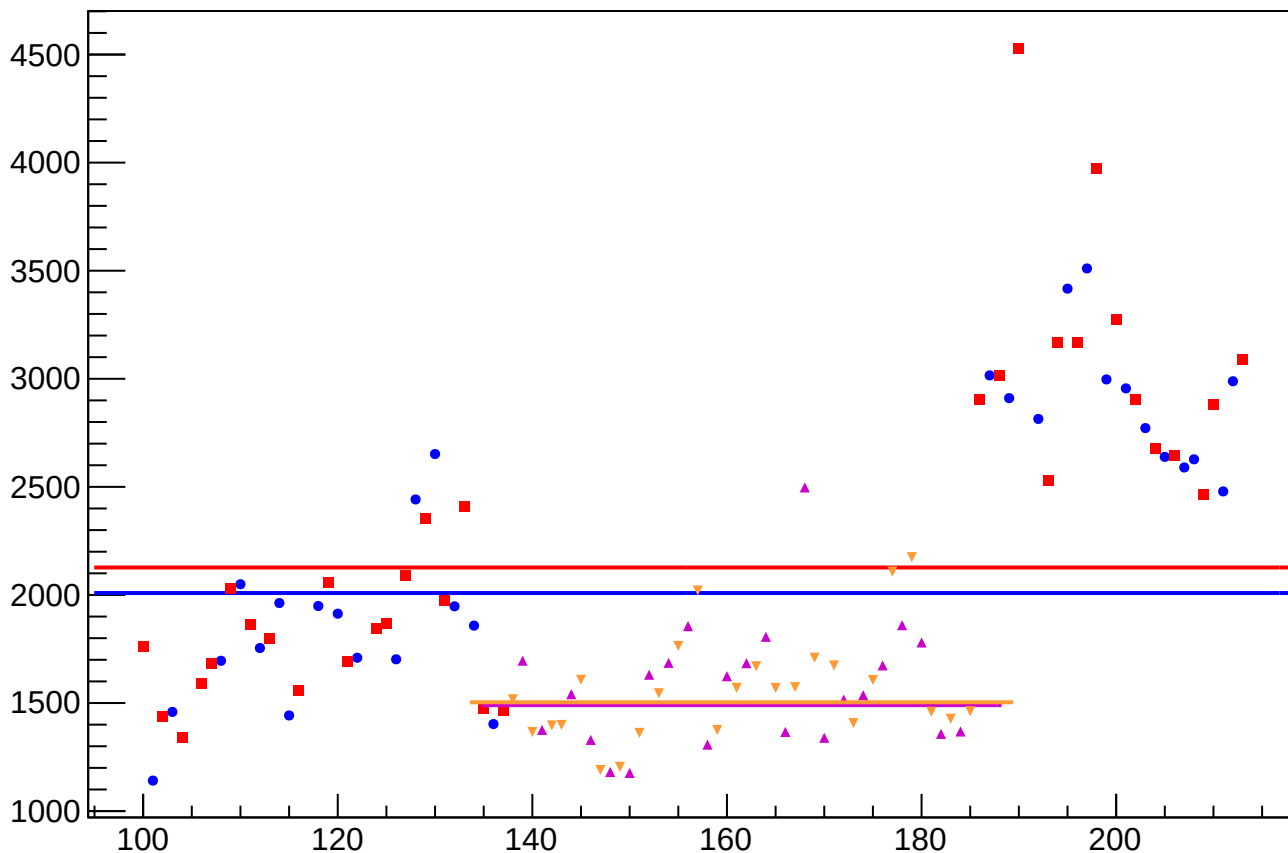
Left In: 85.329 $\pm$ 353.933 χ^2 /NDF: 18.1/22

+ sign 535.409 $\pm$ 286.771 χ^2 /NDF: 56.0/53

All: 467.727 $\pm$ 204.533 χ^2 /NDF: 103.6/109

- sign 397.649 $\pm$ 291.802 χ^2 /NDF: 47.5/55

asym_usr_reg_correction_rms vs Slug



Right In: 2008.873 $\pm$ 0.360 χ^2 /NDF: 3399348.6/28

Left Out: 1503.437 $\pm$ 0.246 χ^2 /NDF: 799670.9/24

Right Out: 2126.998 $\pm$ 0.365 χ^2 /NDF: 3258333.1/32

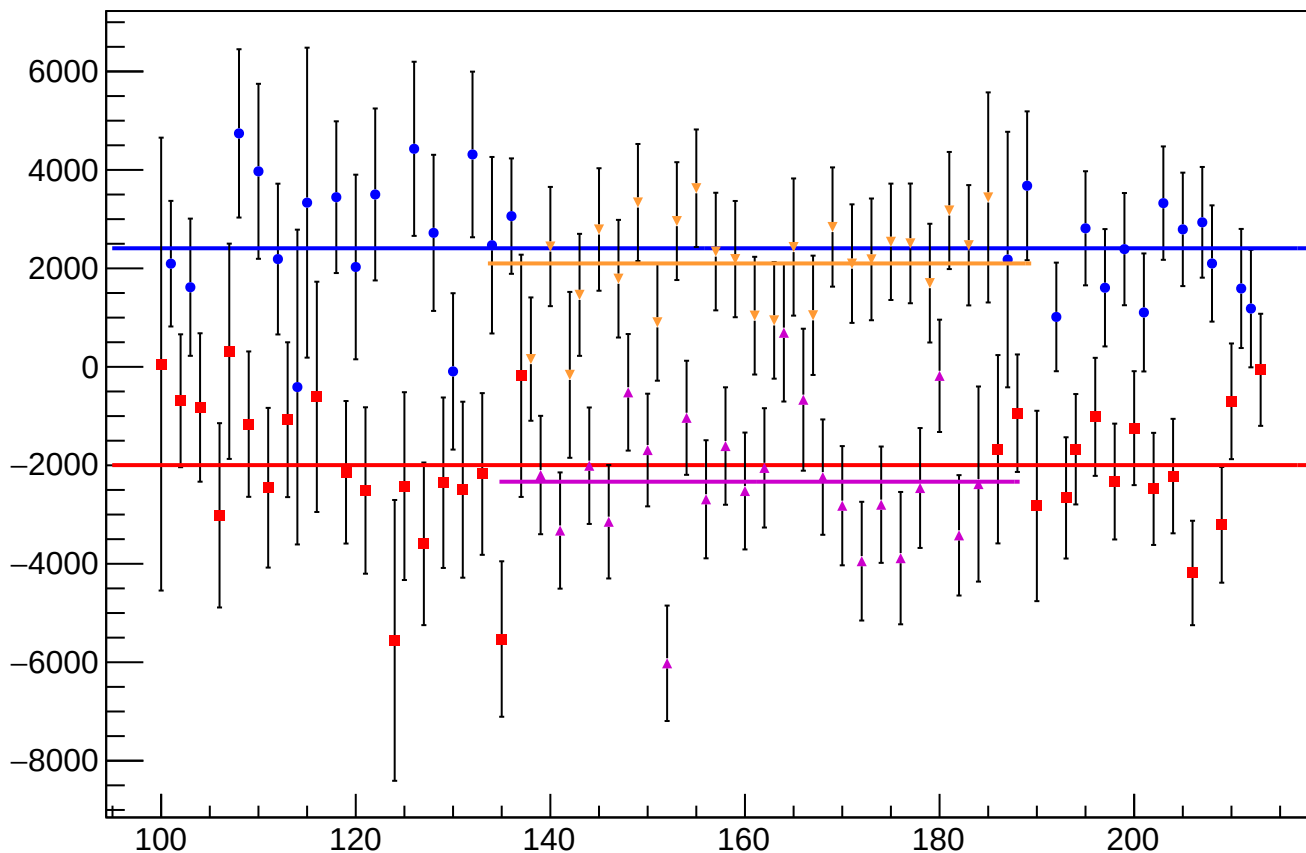
Left In: 1490.314 $\pm$ 0.250 χ^2 /NDF: 968221.5/22

+ sign 1664.111 $\pm$ 0.203 χ^2 /NDF: 5546197.2/53

All: 1678.907 $\pm$ 0.145 χ^2 /NDF: 11856377.6/1

- sign 1694.227 $\pm$ 0.206 χ^2 /NDF: 6299343.1/55

cor_asym_usr_mean vs Slug



Right In: 2408.597 ± 261.015 χ^2/NDF : 16.8/28

Left Out: 2100.398 ± 248.306 χ^2/NDF : 13.8/24

Right Out: -1995.846 ± 253.046 χ^2/NDF : 24.8/32

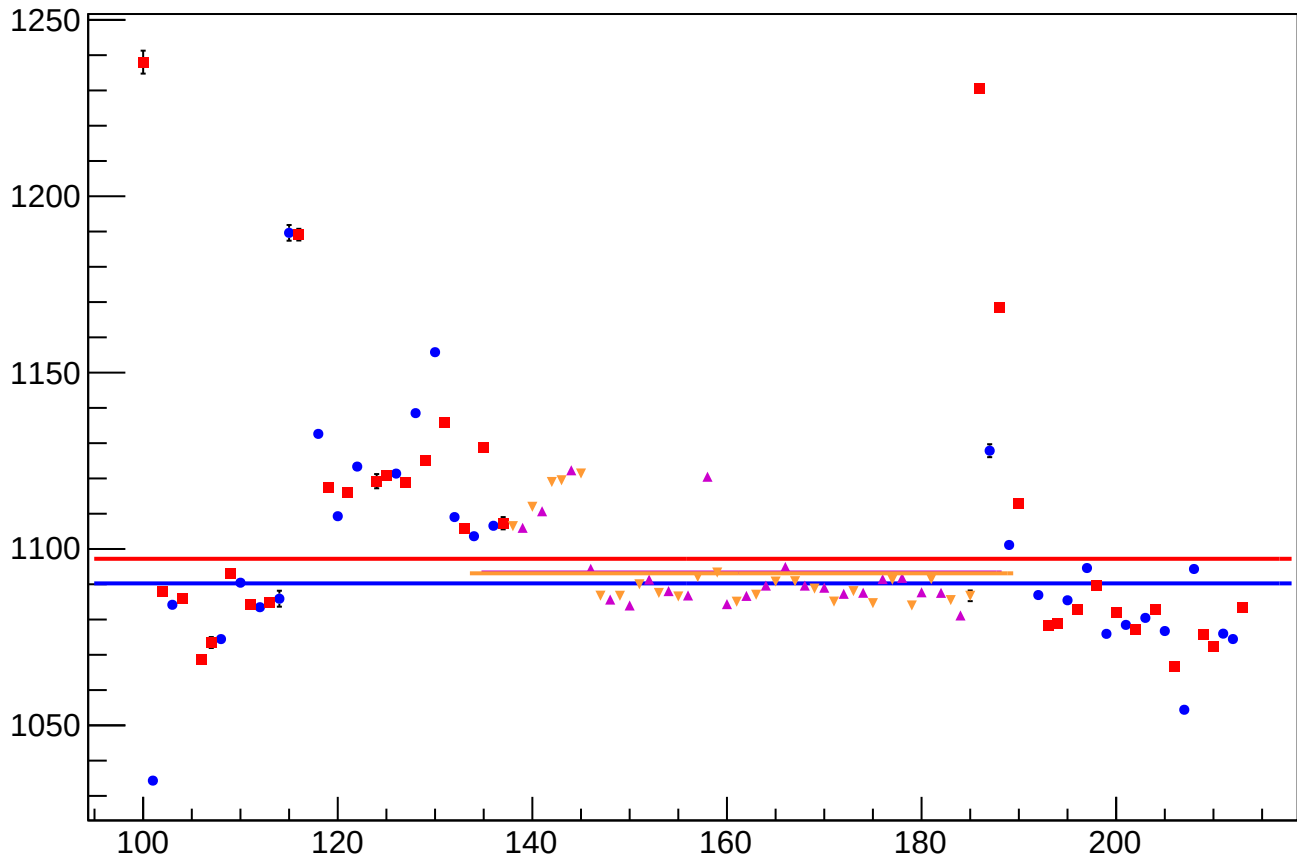
Left In: -2332.954 ± 255.284 χ^2/NDF : 29.5/22

+ sign 2246.812 ± 179.904 χ^2/NDF : 31.4/53

All: 39.651 ± 127.145 χ^2/NDF : 387.2/109

- sign -2162.916 ± 179.717 χ^2/NDF : 55.1/55

cor_asym_usr_rms vs Slug



Right In: 1090.248 $\pm$ 0.185 χ^2 /NDF: 19367.7/28

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.219 $\pm$ 0.179 χ^2 /NDF: 33027.1/32

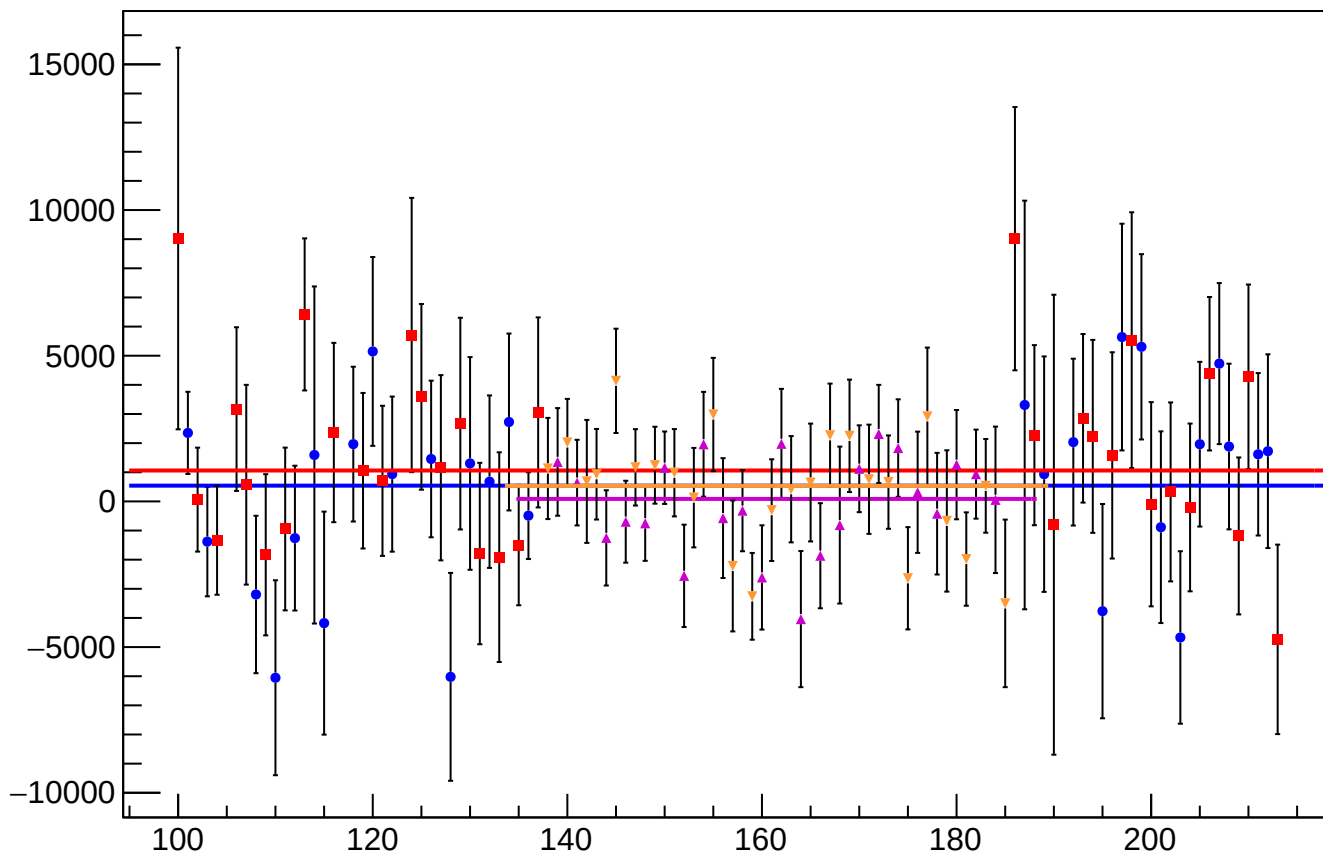
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1091.746 $\pm$ 0.127 χ^2 /NDF: 23476.4/53

All: 1093.523 $\pm$ 0.090 χ^2 /NDF: 60852.0/109

- sign 1095.296 $\pm$ 0.127 χ^2 /NDF: 36985.9/55

asym_usr_cor_correction_mean vs Slug



Right In: 540.618 $\pm$ 508.622 χ^2/NDF : 29.6/28

Left Out: 532.982 $\pm$ 347.223 χ^2/NDF : 26.4/24

Right Out: 1060.495 $\pm$ 515.618 χ^2/NDF : 27.0/32

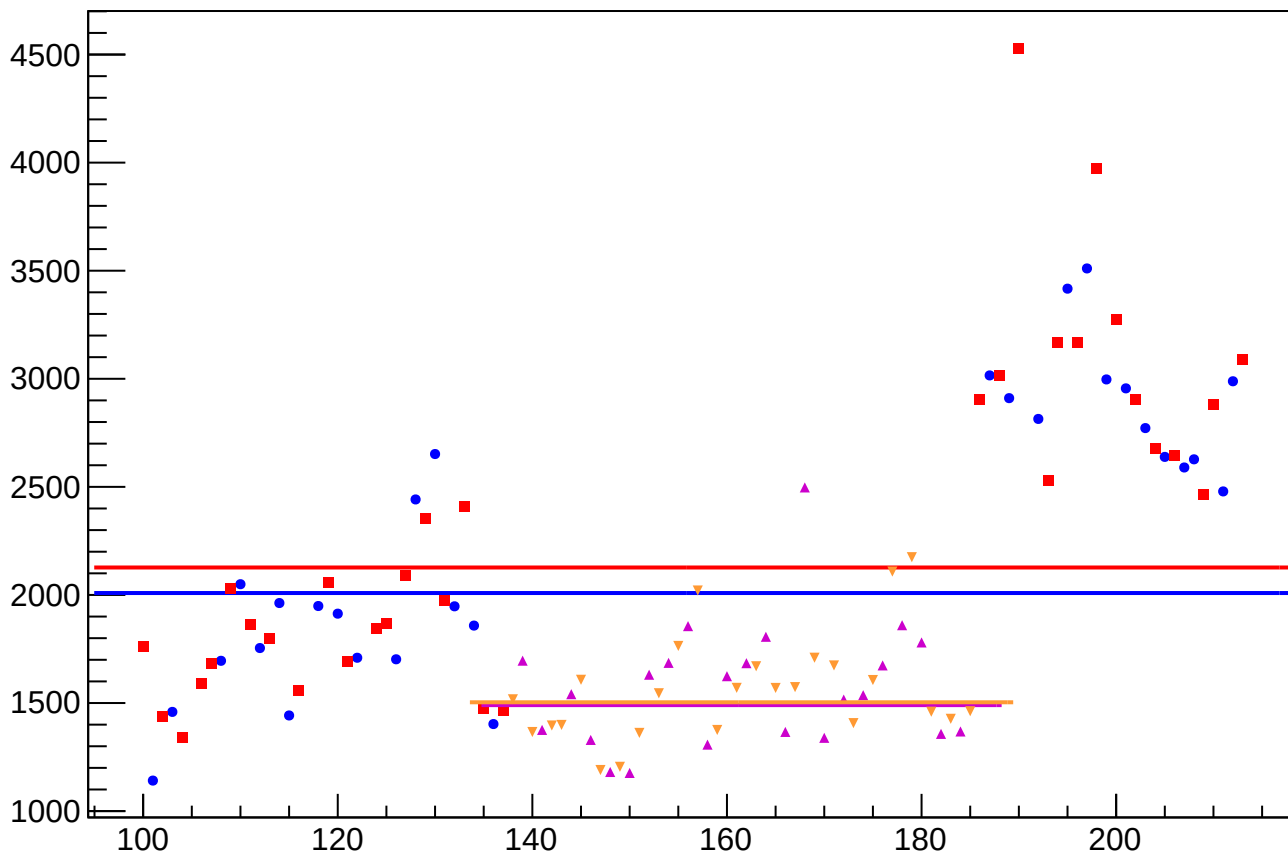
Left In: 85.329 $\pm$ 353.933 χ^2/NDF : 18.1/22

+ sign 535.409 $\pm$ 286.771 χ^2/NDF : 56.0/53

All: 467.727 $\pm$ 204.533 χ^2/NDF : 103.6/109

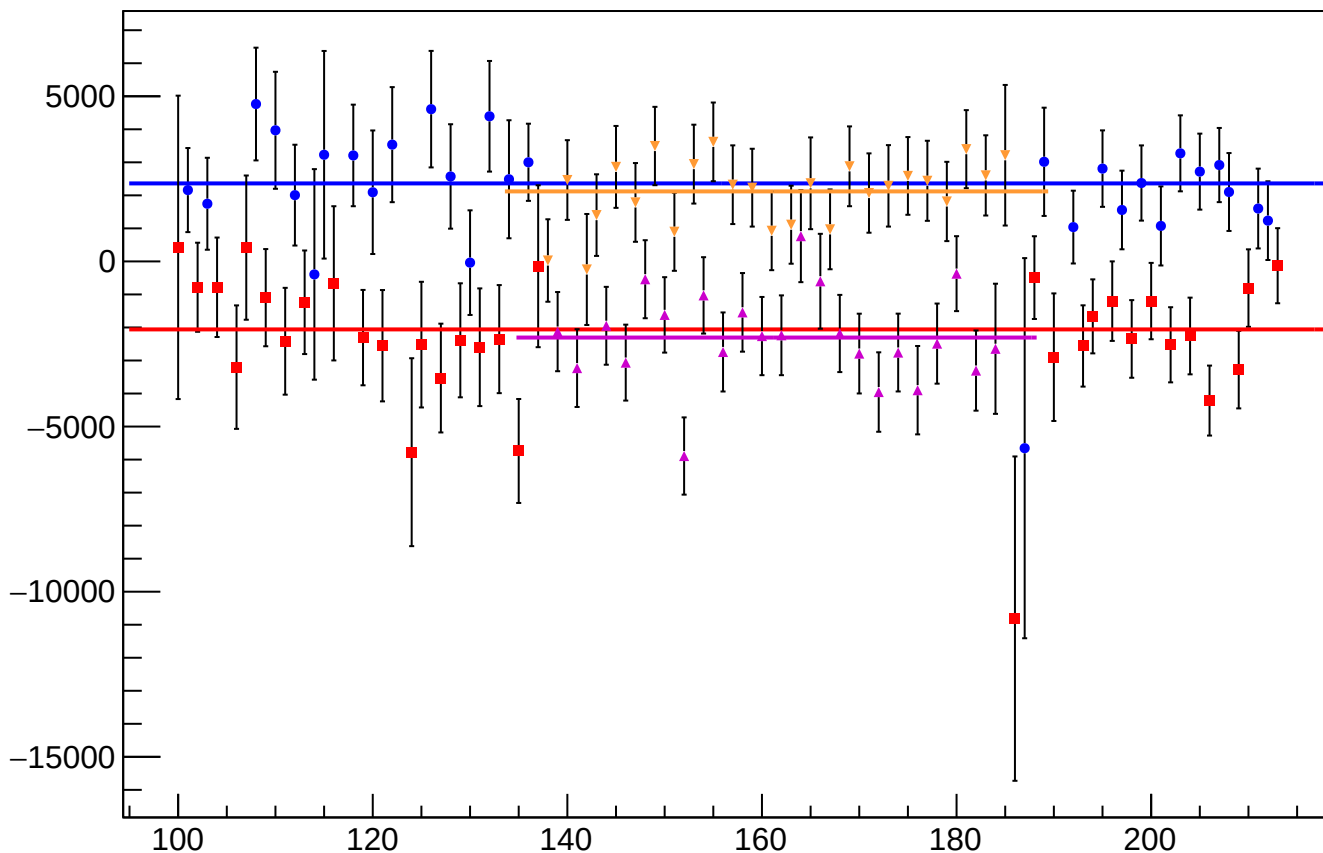
- sign 397.649 $\pm$ 291.802 χ^2/NDF : 47.5/55

asym_usr_cor_correction_rms vs Slug



Right In: 2008.873+/-0.360	χ^2/NDF : 3399348.6/28	+ sign 1664.111+/-0.203	χ^2/NDF : 5546197.2/53
Left Out: 1503.437+/-0.246	χ^2/NDF : 799670.9/24	All: 1678.907+/-0.145	χ^2/NDF : 11856377.6/1
Right Out: 2126.998+/-0.365	χ^2/NDF : 3258333.1/32	- sign 1694.227+/-0.206	χ^2/NDF : 6299343.1/55
Left In: 1490.314+/-0.250	χ^2/NDF : 968221.5/22		

overload_cor_asym_usr_mean vs Slug



Right In: 2361.634 ± 262.217 χ^2/NDF : 18.0/28

Left Out: 2119.973 ± 247.544 χ^2/NDF : 15.1/24

Right Out: -2058.734 ± 255.137 χ^2/NDF : 29.4/32

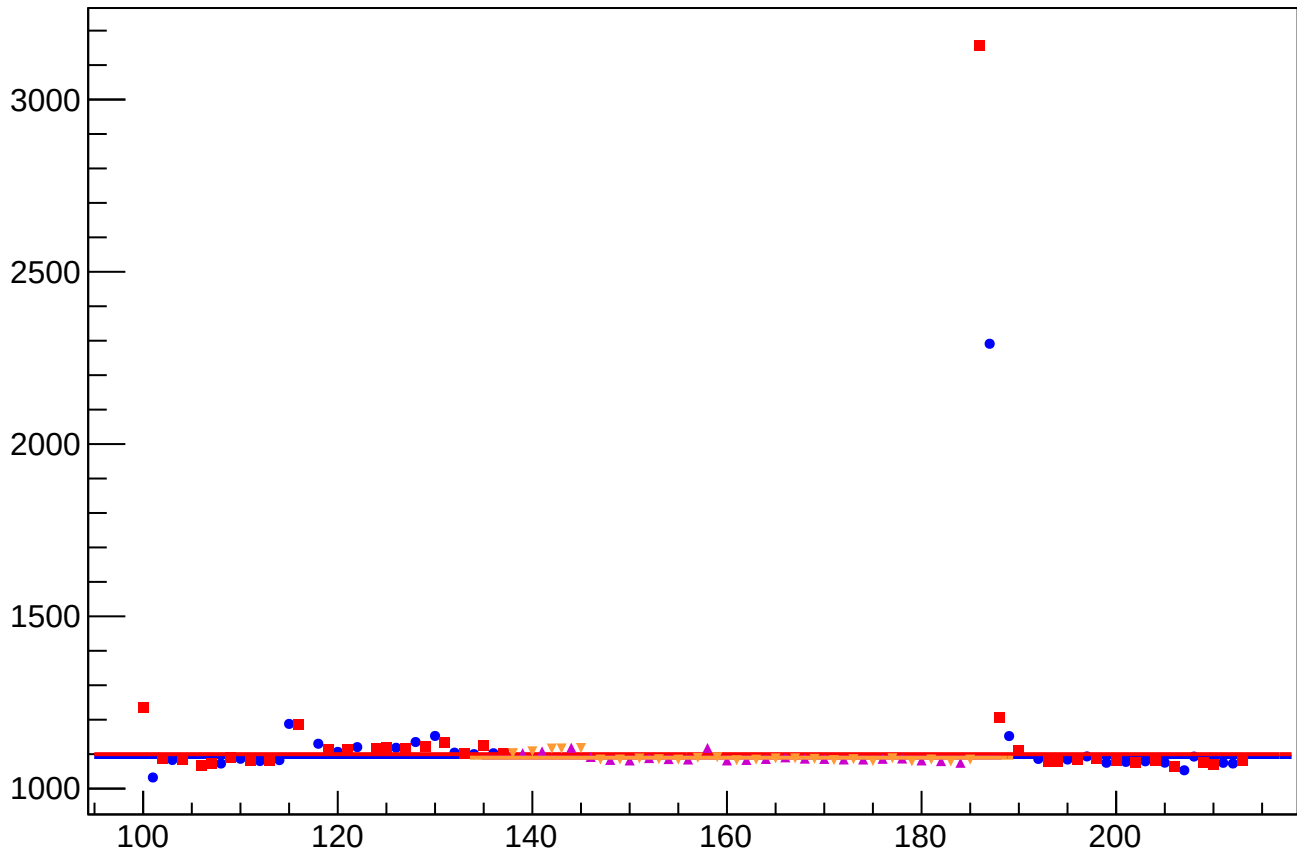
Left In: -2305.411 ± 254.497 χ^2/NDF : 28.5/22

+ sign 2233.853 ± 180.004 χ^2/NDF : 33.6/53

All: 27.926 ± 127.345 χ^2/NDF : 392.5/109

- sign -2182.382 ± 180.182 χ^2/NDF : 58.3/55

overload_cor_asym_usr_rms vs Slug



Right In: 1091.781+/-0.185 χ^2/NDF : 108288.4/28

Left Out: 1089.744+/-0.175 χ^2/NDF : 4057.6/24

Right Out: 1099.942+/-0.180 χ^2/NDF : 382264.6/32

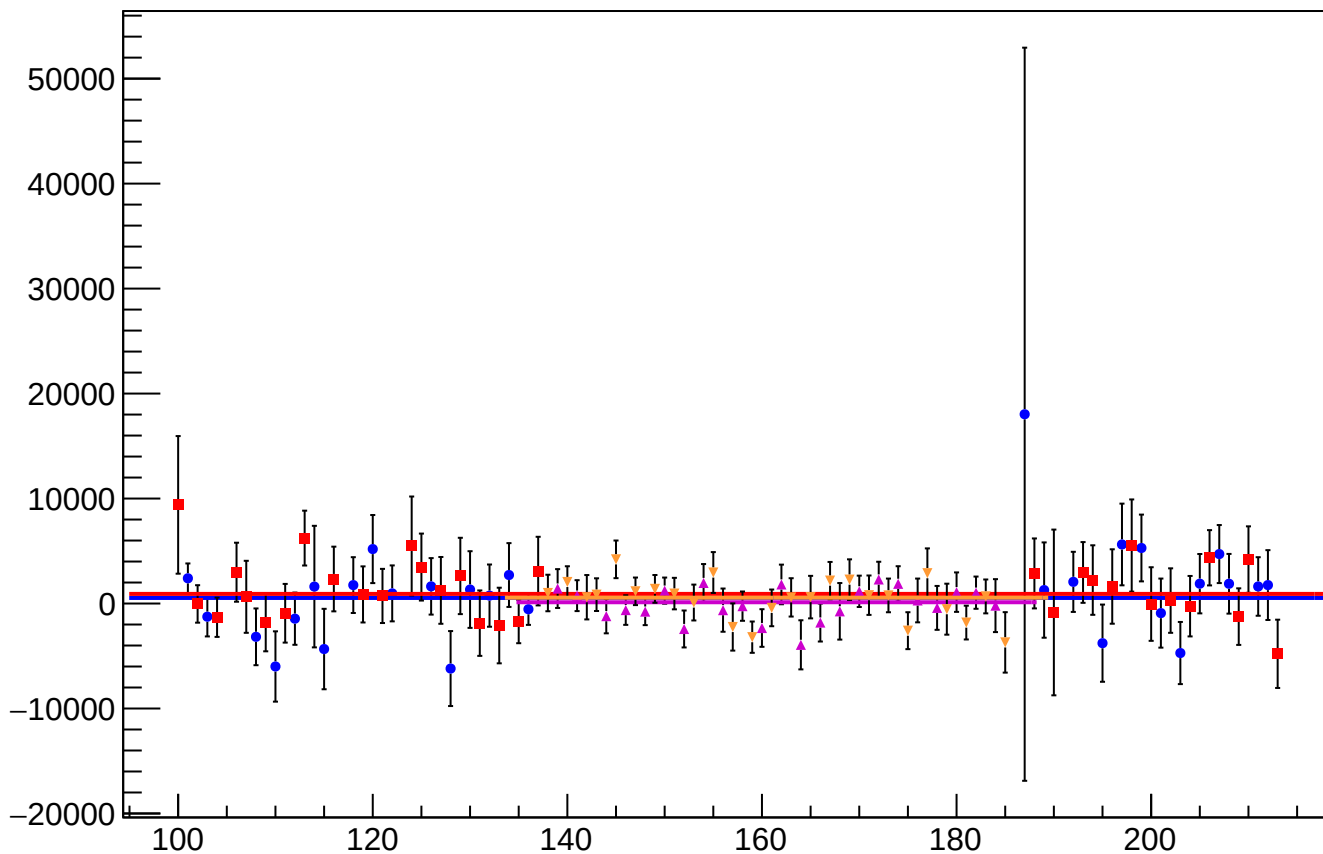
Left In: 1089.964+/-0.180 χ^2/NDF : 3896.0/22

+ sign 1090.704+/-0.127 χ^2/NDF : 112409.9/53

All: 1092.820+/-0.090 χ^2/NDF : 500657.3/109

- sign 1094.941+/-0.127 χ^2/NDF : 387693.9/55

asym_usr_overload_cor_correction_mean vs Slug



Right In: 530.426+/-511.222 χ^2/NDF : 30.0/28

Left Out: 553.759+/-347.813 χ^2/NDF : 26.1/24

Right Out: 916.446+/-520.414 χ^2/NDF : 24.0/31

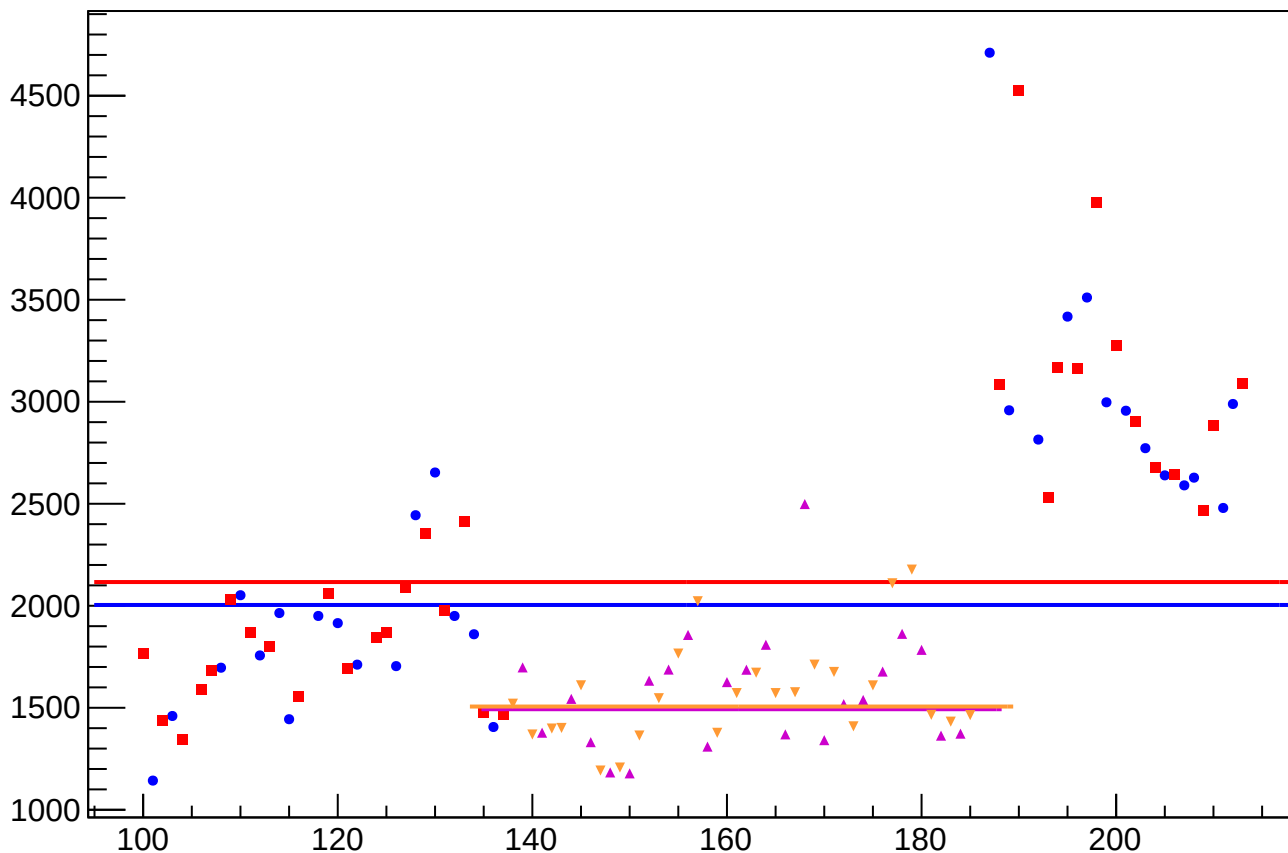
Left In: 121.420+/-354.540 χ^2/NDF : 17.1/22

+ sign 546.376+/-287.568 χ^2/NDF : 56.1/53

All: 461.529+/-205.237 χ^2/NDF : 99.0/108

- sign 373.441+/-293.006 χ^2/NDF : 42.7/54

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2003.940+/-0.361 χ^2/NDF : 3346185.8/28

Left Out: 1506.103+/-0.246 χ^2/NDF : 796401.8/24

Right Out: 2116.321+/-0.368 χ^2/NDF : 3186551.1/31

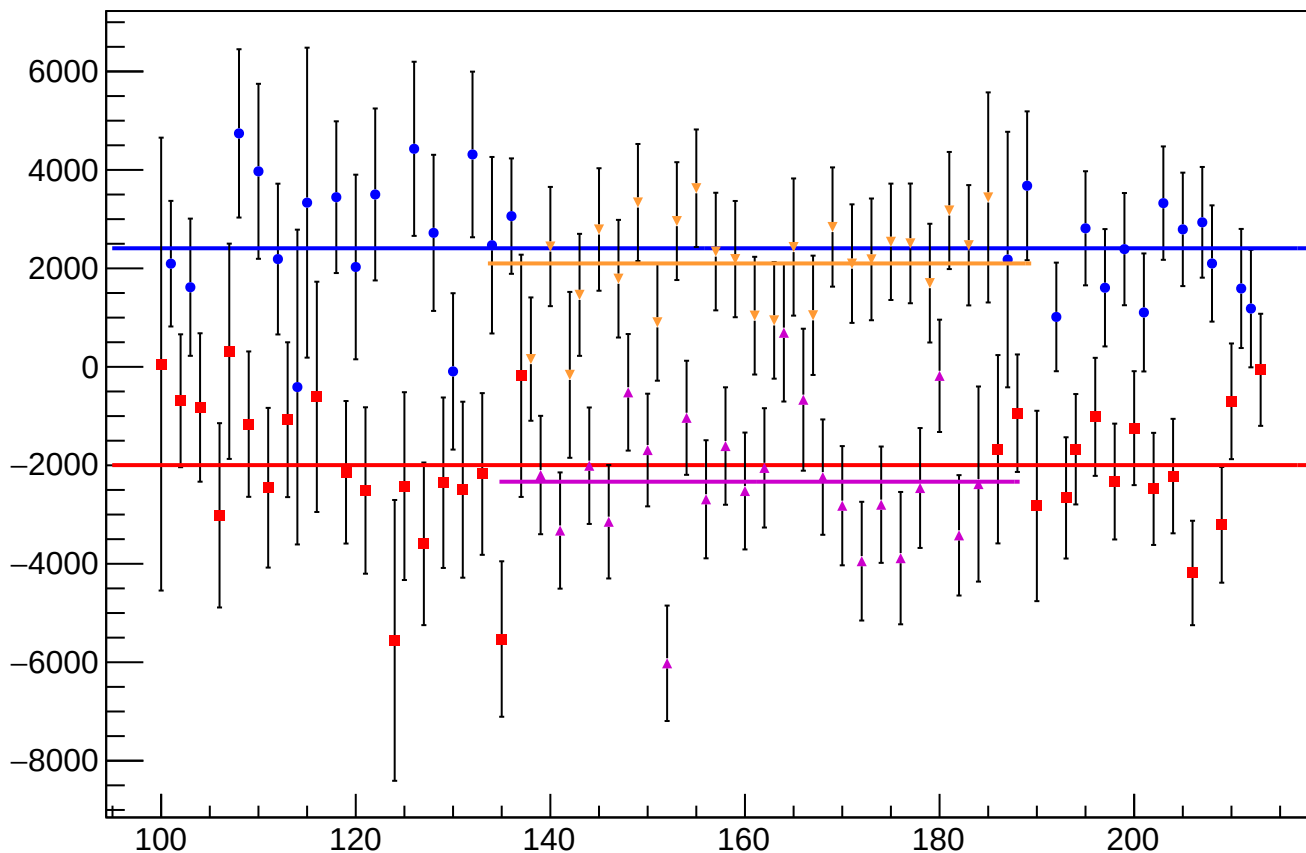
Left In: 1492.976+/-0.251 χ^2/NDF : 964358.0/22

+ sign 1663.628+/-0.203 χ^2/NDF : 5439098.2/53

All: 1676.849+/-0.145 χ^2/NDF : 11558421.0/101

- sign 1690.575+/-0.207 χ^2/NDF : 6110706.4/54

eigen_cor_asym_usr_mean vs Slug



Right In: 2408.597 $\pm$ 261.015 χ^2 /NDF: 16.8/28

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -1995.846 $\pm$ 253.046 χ^2 /NDF: 24.8/32

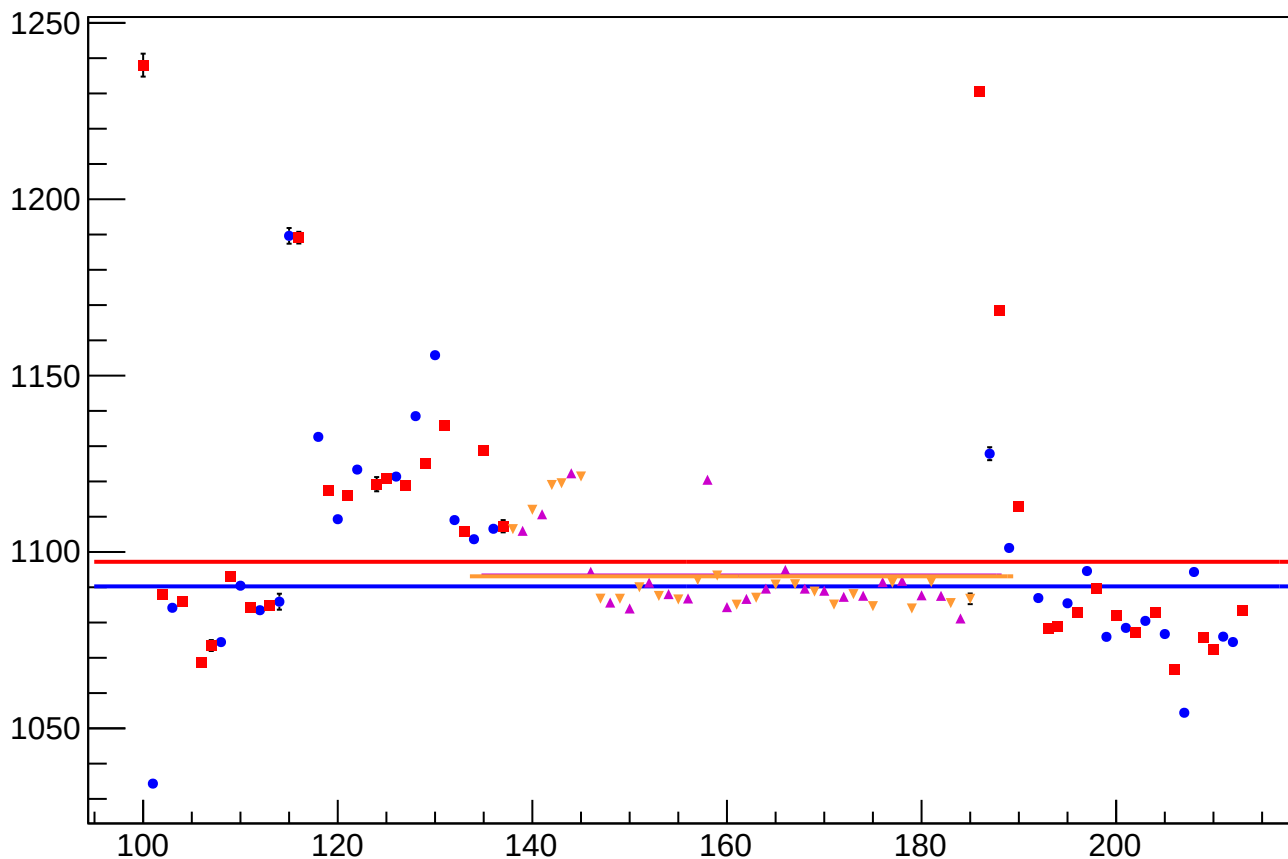
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2246.812 $\pm$ 179.904 χ^2 /NDF: 31.4/53

All: 39.651 $\pm$ 127.145 χ^2 /NDF: 387.2/109

- sign -2162.916 $\pm$ 179.717 χ^2 /NDF: 55.1/55

eigen_cor_asym_usr_rms vs Slug



Right In: 1090.248 $\pm$ 0.185 χ^2 /NDF: 19367.7/28

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1097.219 $\pm$ 0.179 χ^2 /NDF: 33027.1/32

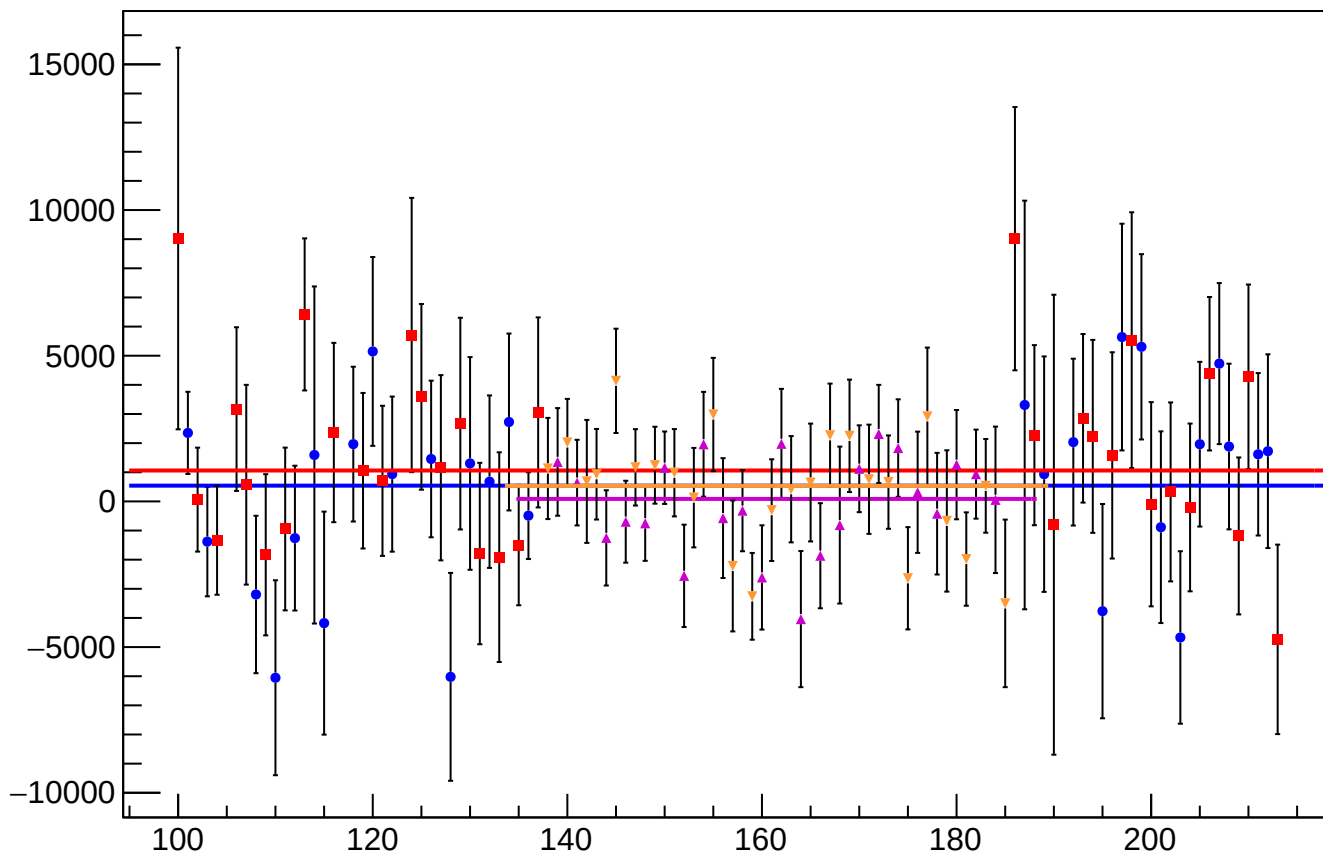
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1091.746 $\pm$ 0.127 χ^2 /NDF: 23476.4/53

All: 1093.523 $\pm$ 0.090 χ^2 /NDF: 60852.0/109

- sign 1095.296 $\pm$ 0.127 χ^2 /NDF: 36985.9/55

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 540.618 $\pm$ 508.622 χ^2/NDF : 29.6/28

Left Out: 532.982 $\pm$ 347.223 χ^2/NDF : 26.4/24

Right Out: 1060.495 $\pm$ 515.618 χ^2/NDF : 27.0/32

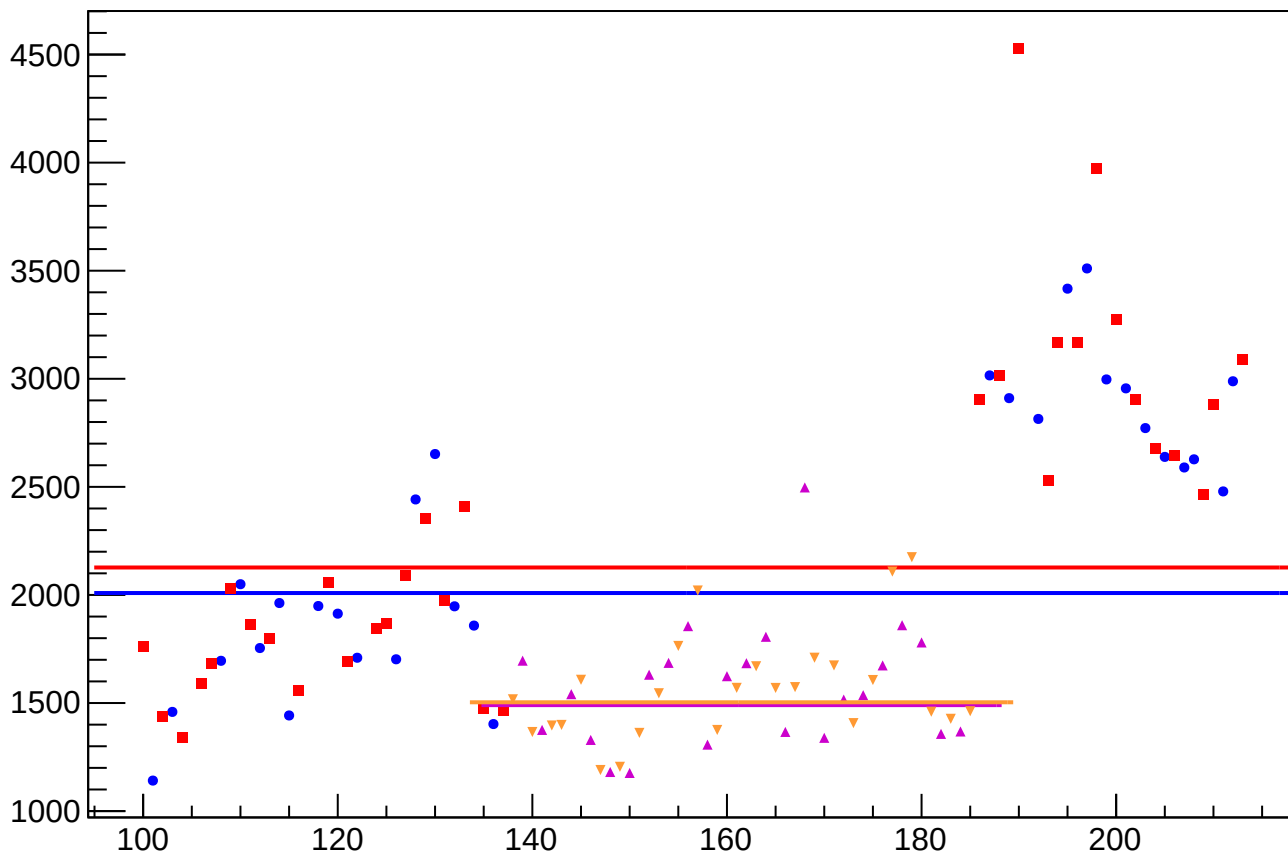
Left In: 85.329 $\pm$ 353.933 χ^2/NDF : 18.1/22

+ sign 535.409 $\pm$ 286.771 χ^2/NDF : 56.0/53

All: 467.727 $\pm$ 204.533 χ^2/NDF : 103.6/109

- sign 397.649 $\pm$ 291.802 χ^2/NDF : 47.5/55

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2008.873 ± 0.360 χ^2/NDF : 3399348.6/28

Left Out: 1503.437 ± 0.246 χ^2/NDF : 799670.9/24

Right Out: 2126.998 ± 0.365 χ^2/NDF : 3258333.1/32

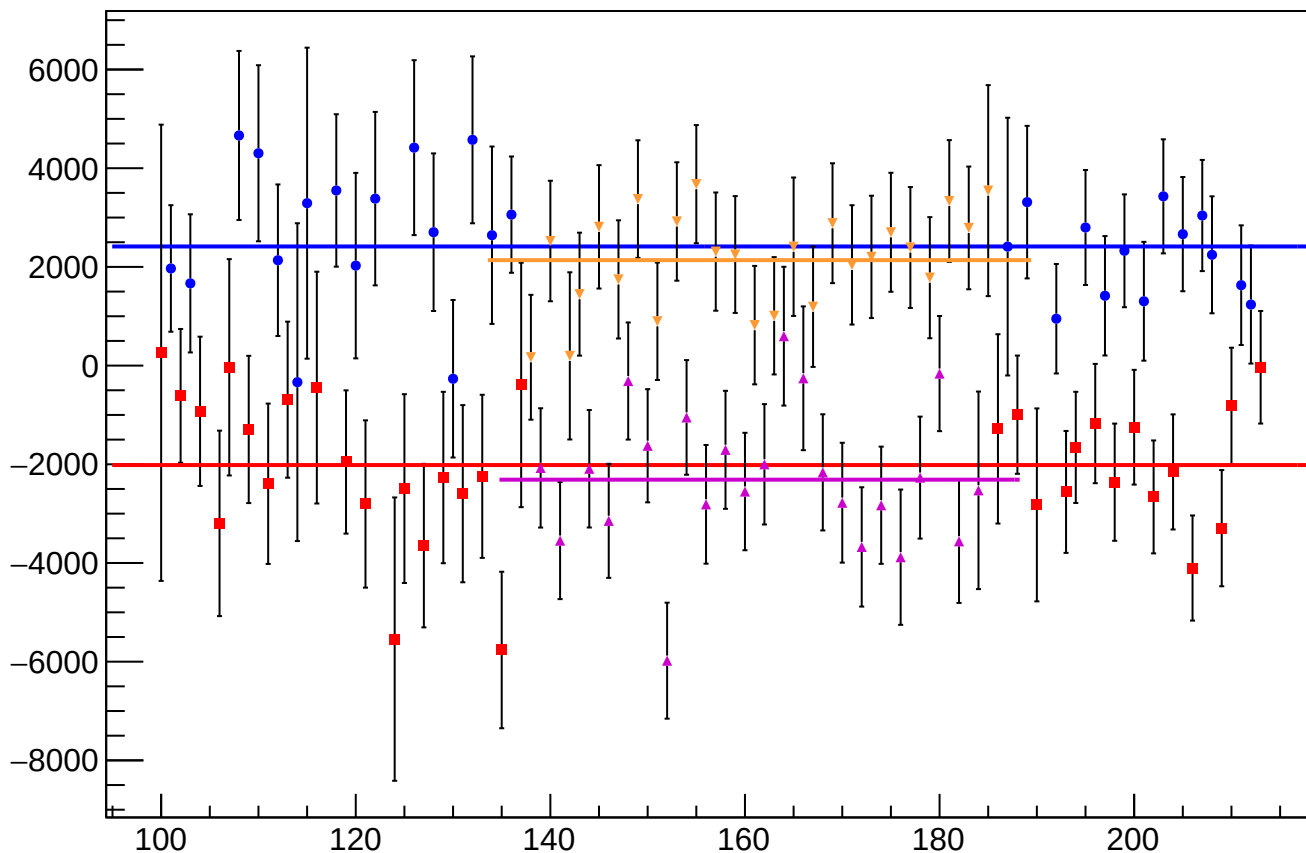
Left In: 1490.314 ± 0.250 χ^2/NDF : 968221.5/22

+ sign 1664.111 ± 0.203 χ^2/NDF : 5546197.2/53

All: 1678.907 ± 0.145 χ^2/NDF : 11856377.6/1

- sign 1694.227 ± 0.206 χ^2/NDF : 6299343.1/55

dit_asym_usr_mean vs Slug



Right In: 2414.028 $\pm$ 262.330 χ^2 /NDF: 17.3/28

Left Out: 2137.184 $\pm$ 250.195 χ^2 /NDF:13.9/24

Right Out: -2015.592 $\pm$ 254.193 χ^2 /NDF: 25.2/32

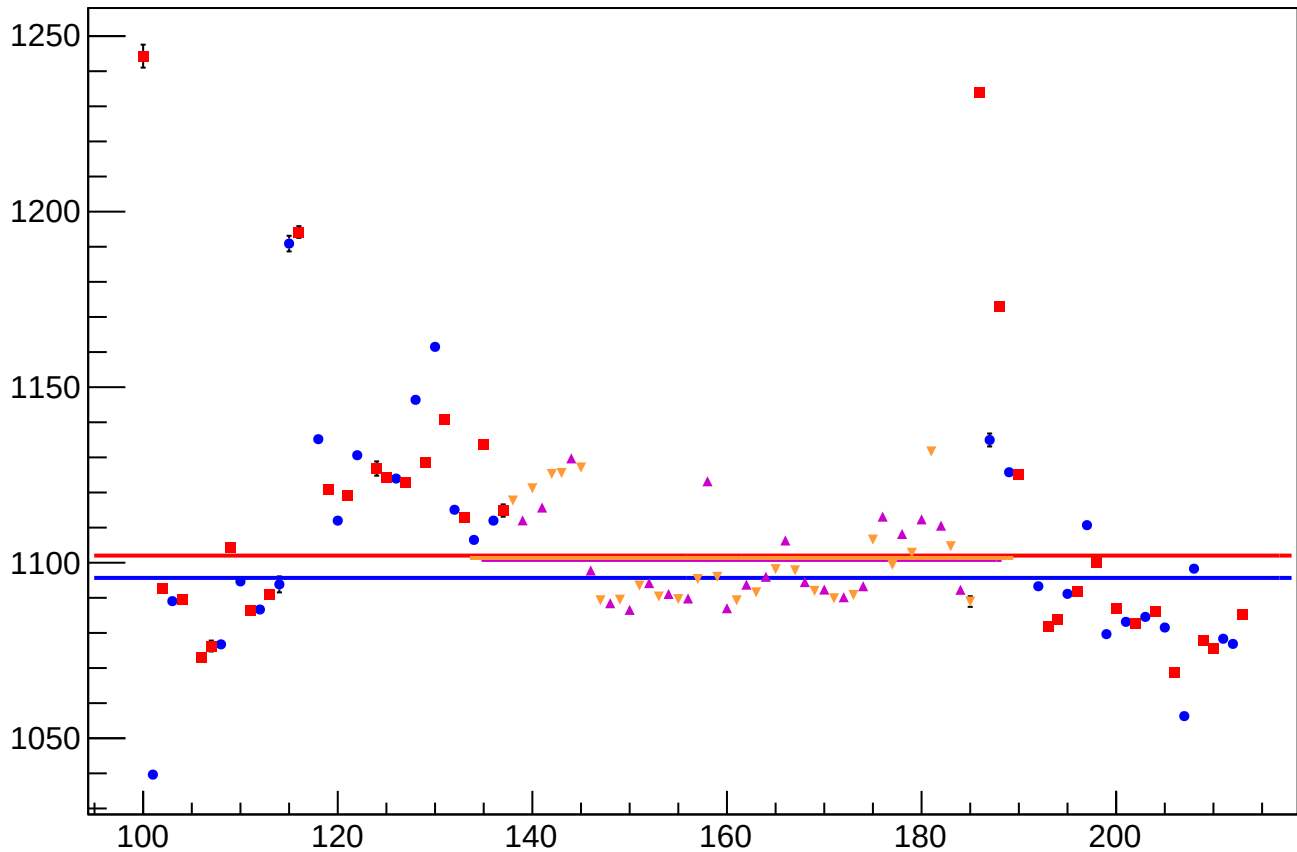
Left In: -2311.761 $\pm$ 257.036 χ^2 /NDF:29.9/22

+ sign 2269.055 $\pm$ 181.053 χ^2 /NDF: 31.8/53

All: 49.664 $\pm$ 127.912 χ^2 /NDF: 387.6/109

- sign -2162.030 $\pm$ 180.738 χ^2 /NDF: 55.8/55

dit_asym_usr_rms vs Slug



Right In: 1095.673 $\pm$ 0.185 χ^2 /NDF: 20910.3/28

Left Out: 1101.353 $\pm$ 0.177 χ^2 /NDF: 5950.6/24

Right Out: 1102.031 $\pm$ 0.180 χ^2 /NDF: 33342.4/32

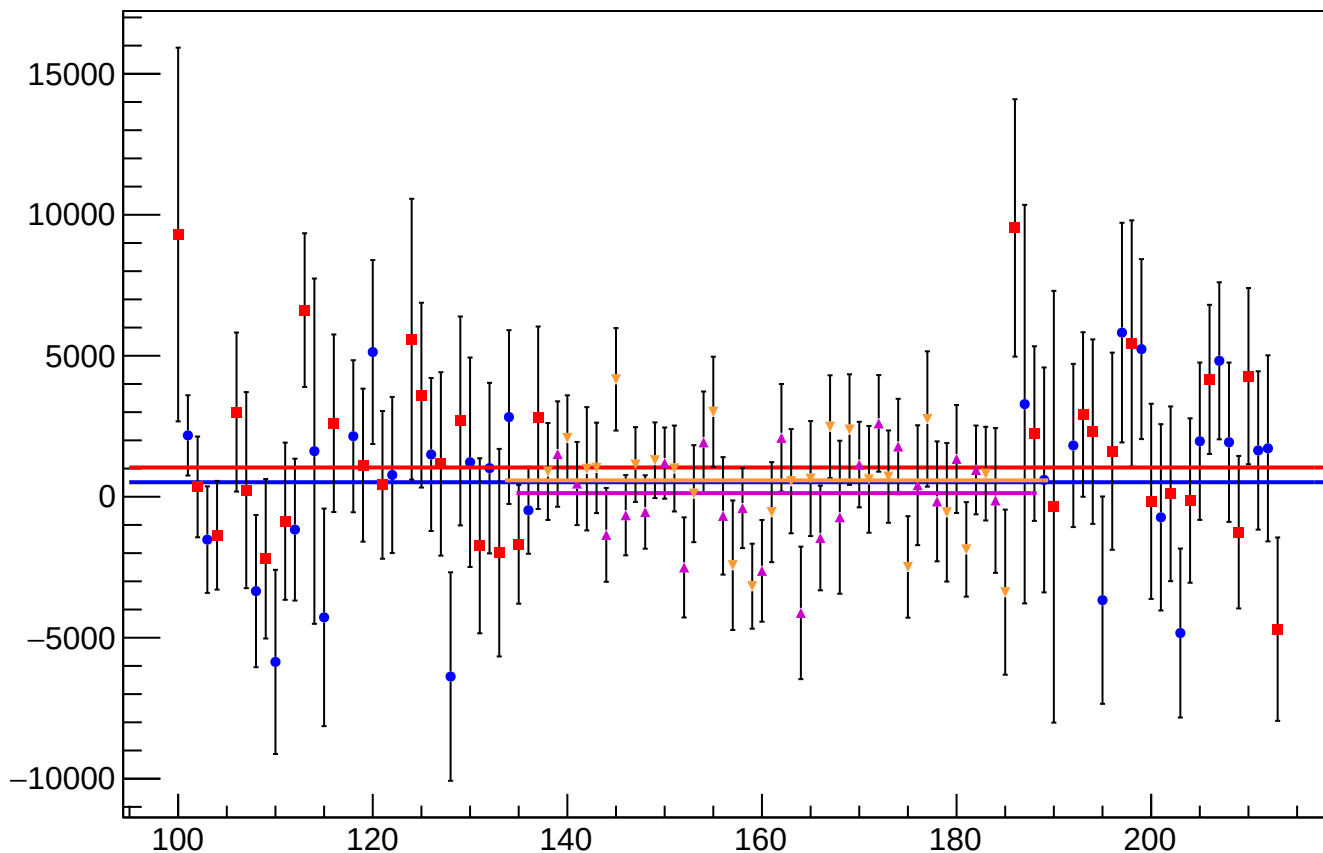
Left In: 1100.792 $\pm$ 0.182 χ^2 /NDF: 4641.7/22

+ sign 1098.648 $\pm$ 0.128 χ^2 /NDF: 27352.0/53

All: 1100.036 $\pm$ 0.090 χ^2 /NDF: 65594.2/109

- sign 1101.419 $\pm$ 0.128 χ^2 /NDF: 38007.6/55

asym_usr_dit_correction_mean vs Slug



Right In: 514.768 $\pm$ 514.360 χ^2/NDF : 29.7/28

Left Out: 581.427 $\pm$ 353.389 χ^2/NDF : 25.4/24

Right Out: 1037.696 $\pm$ 521.339 χ^2/NDF : 27.1/32

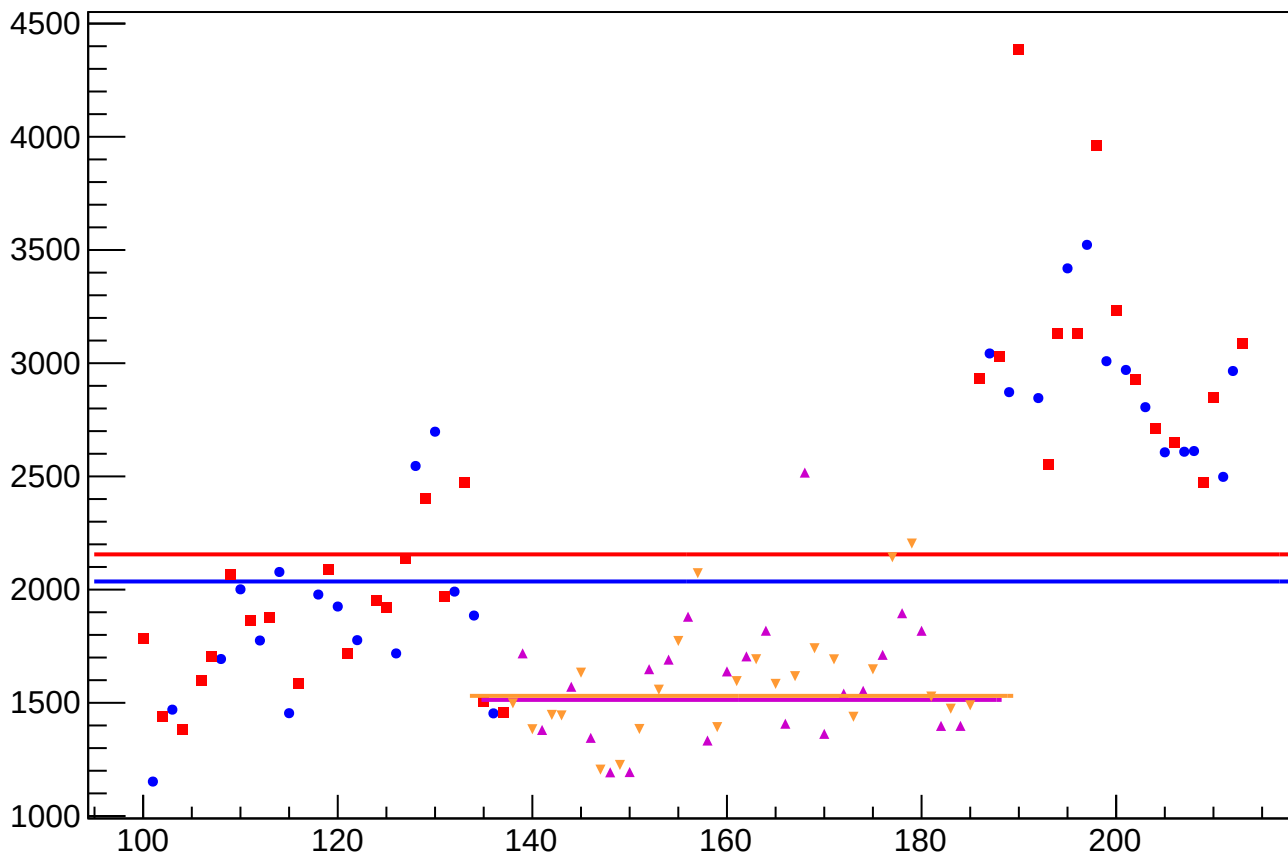
Left In: 128.769 $\pm$ 359.128 χ^2/NDF : 17.9/22

+ sign 560.052 $\pm$ 291.269 χ^2/NDF : 55.1/53

All: 491.723 $\pm$ 207.524 χ^2/NDF : 102.2/109

- sign 421.276 $\pm$ 295.749 χ^2/NDF : 47.0/55

asym_usr_dit_correction_rms vs Slug



Right In: 2035.961+/-0.364 χ^2/NDF : 3291769.6/28

Left Out: 1530.764+/-0.250 χ^2/NDF : 795634.5/24

Right Out: 2155.621+/-0.369 χ^2/NDF : 3106679.5/32

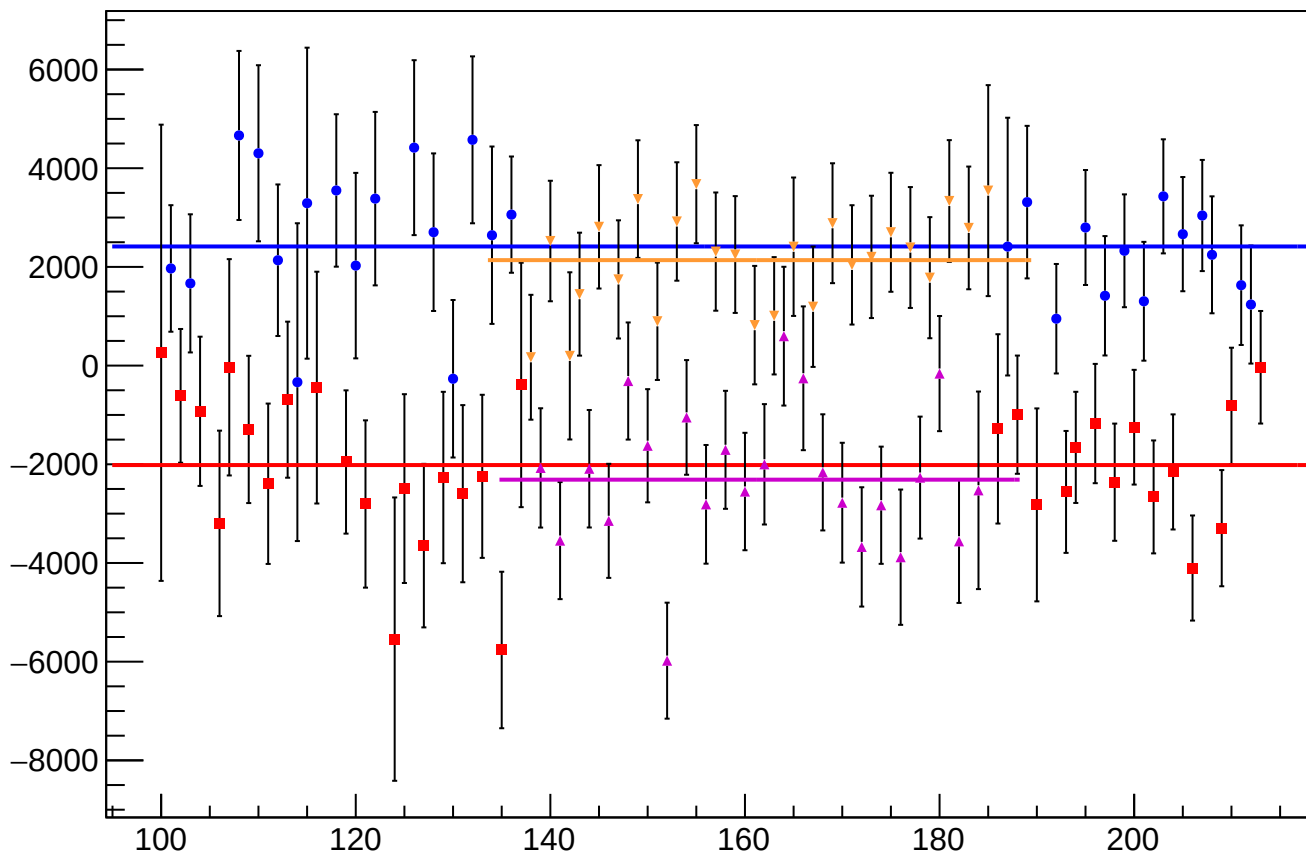
Left In: 1512.947+/-0.254 χ^2/NDF : 957059.5/22

+ sign 1692.764+/-0.206 χ^2/NDF : 5398091.7/53

All: 1706.061+/-0.147 χ^2/NDF : 11531489.4/100

- sign 1719.769+/-0.209 χ^2/NDF : 6124932.6/55

eigen_dit_asym_usr_mean vs Slug



Right In: 2414.029 ± 262.330 χ^2/NDF : 17.3/28

Left Out: 2137.182 ± 250.195 χ^2/NDF : 13.9/24

Right Out: -2015.592 ± 254.193 χ^2/NDF : 25.2/32

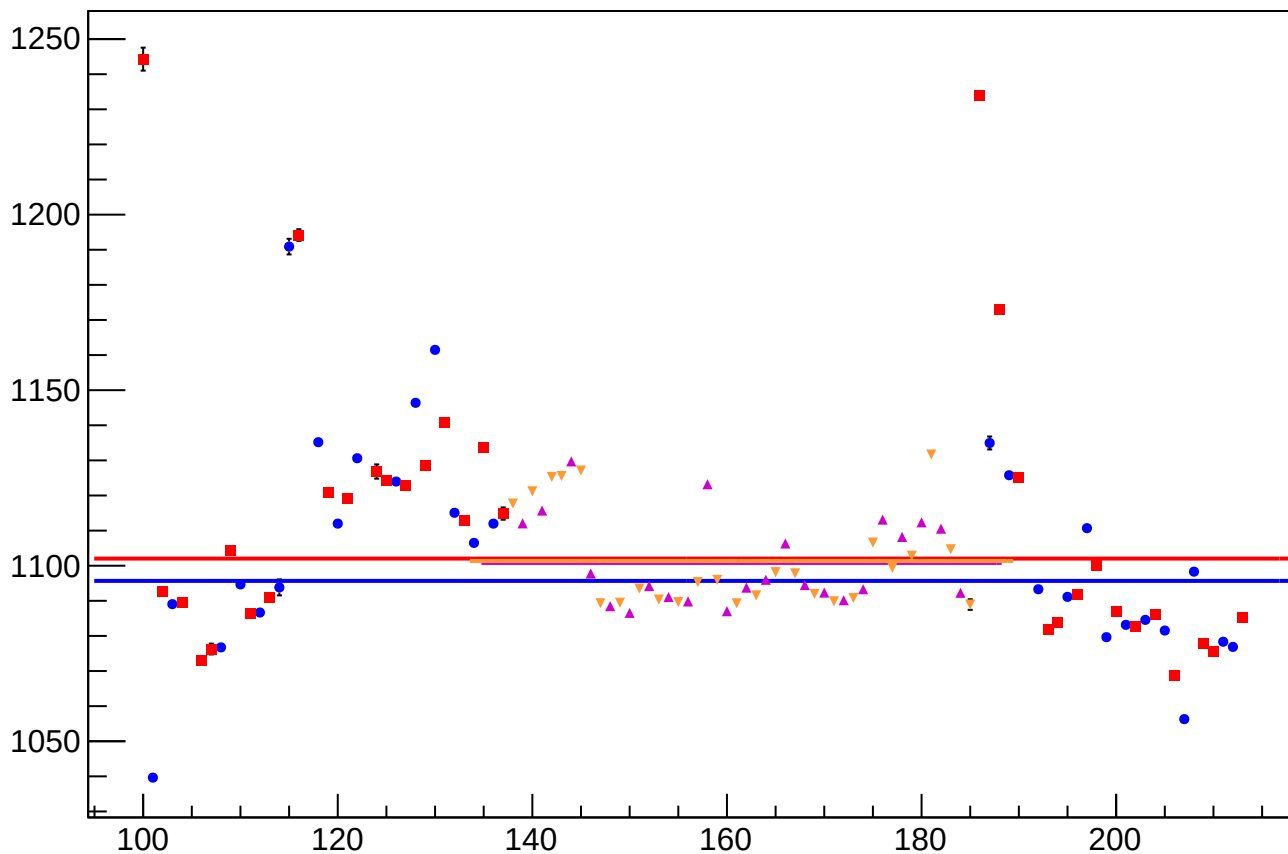
Left In: -2311.761 ± 257.036 χ^2/NDF : 29.9/22

+ sign 2269.054 ± 181.052 χ^2/NDF : 31.8/53

All: 49.664 ± 127.912 χ^2/NDF : 387.6/109

- sign -2162.030 ± 180.738 χ^2/NDF : 55.8/55

eigen_dit_asym_usr_rms vs Slug



Right In: 1095.673+/-0.185 χ^2/NDF : 20910.2/28

Left Out: 1101.353+/-0.177 χ^2/NDF : 5950.6/24

Right Out: 1102.031+/-0.180 χ^2/NDF : 33342.3/32

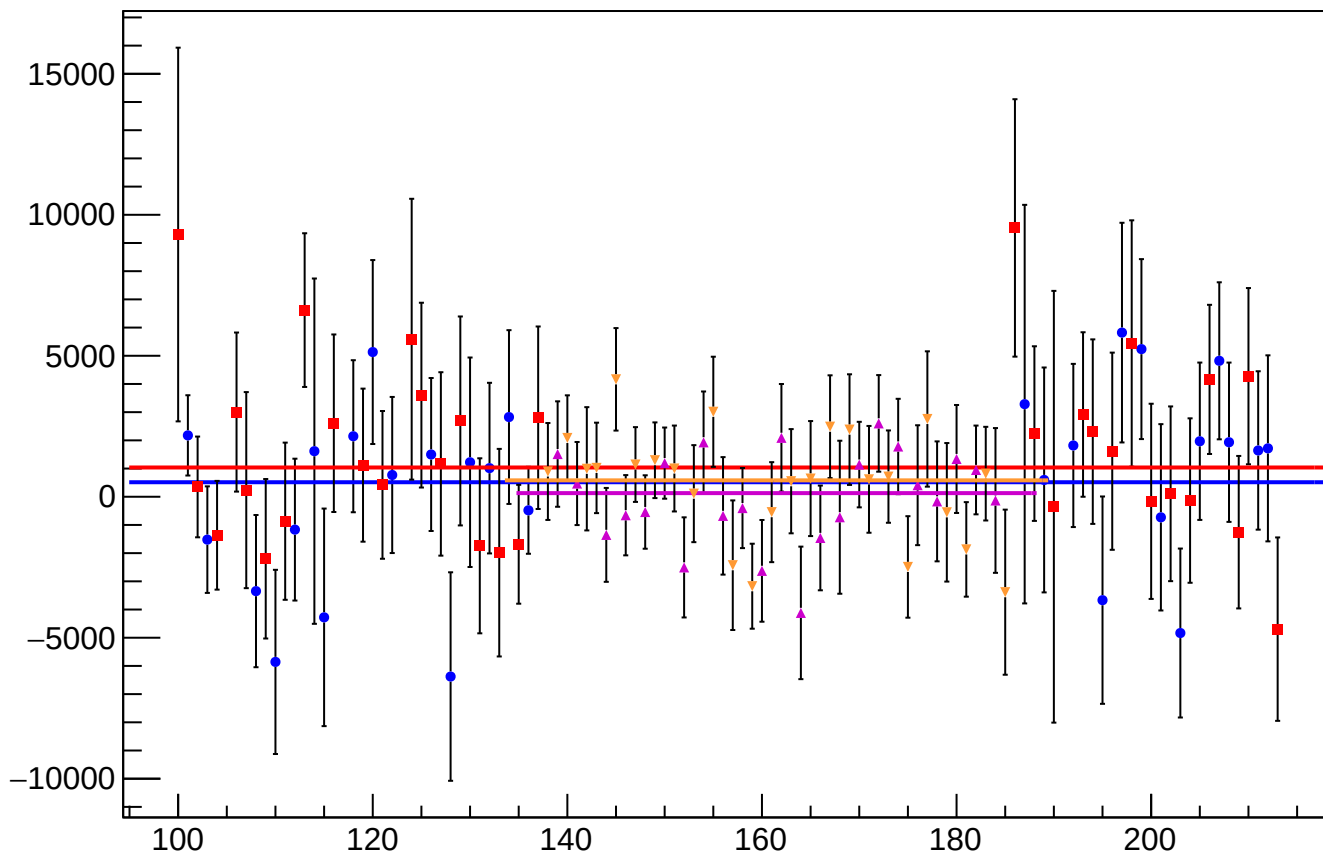
Left In: 1100.792+/-0.182 χ^2/NDF : 4641.7/22

+ sign 1098.648+/-0.128 χ^2/NDF : 27351.8/53

All: 1100.036+/-0.090 χ^2/NDF : 65593.9/109

- sign 1101.419+/-0.128 χ^2/NDF : 38007.5/55

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 514.764 $\pm$ 514.360 χ^2 /NDF: 29.7/28

Left Out: 581.426 $\pm$ 353.390 χ^2 /NDF: 25.4/24

Right Out: 1037.696 $\pm$ 521.338 χ^2 /NDF: 27.1/32

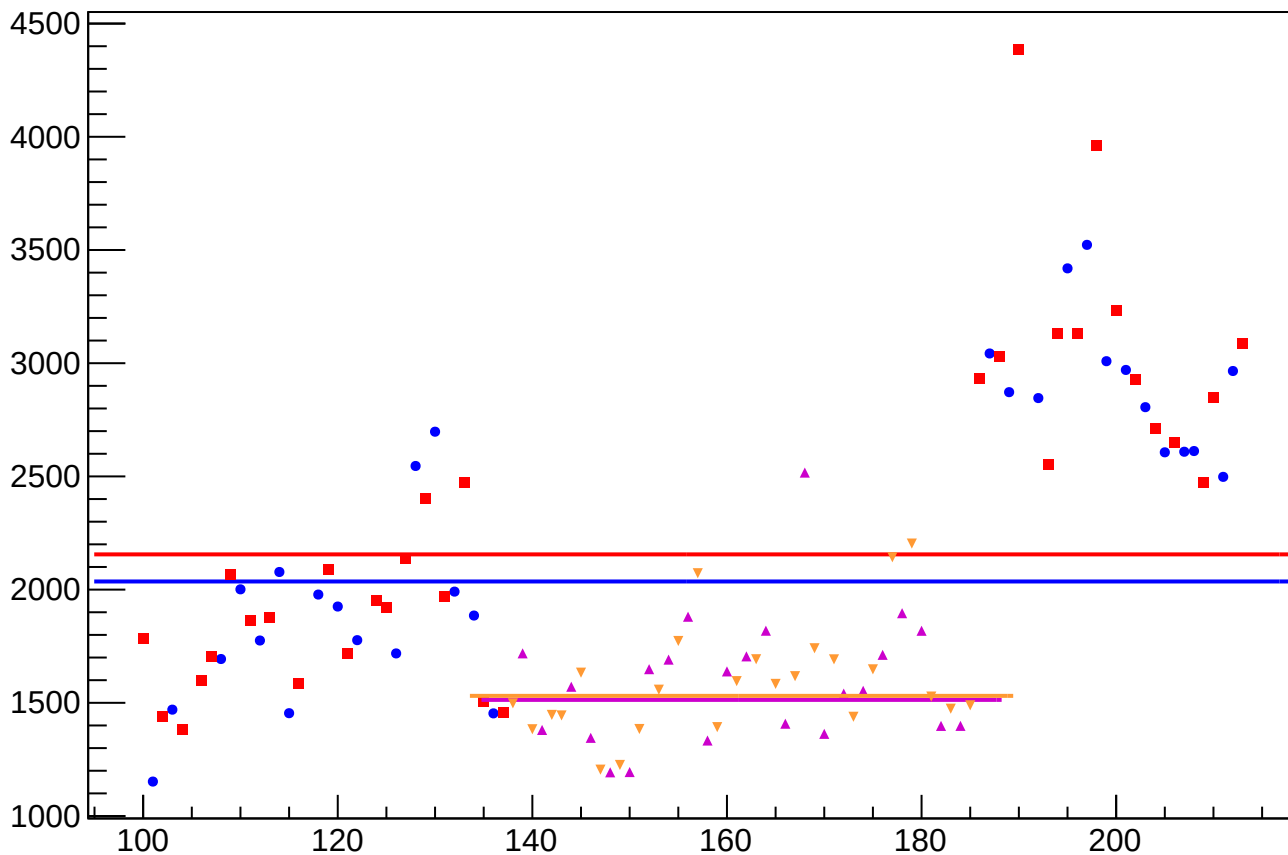
Left In: 128.769 $\pm$ 359.129 χ^2 /NDF: 17.9/22

+ sign 560.050 $\pm$ 291.269 χ^2 /NDF: 55.1/53

All: 491.723 $\pm$ 207.524 χ^2 /NDF: 102.2/109

- sign 421.278 $\pm$ 295.750 χ^2 /NDF: 47.0/55

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2035.959 $\pm$ 0.364 χ^2 /NDF: 3291780.0/28

Left Out: 1530.768 $\pm$ 0.250 χ^2 /NDF:795638.4/24

Right Out: 2155.619 $\pm$ 0.369 χ^2 /NDF: 3106680.1/32

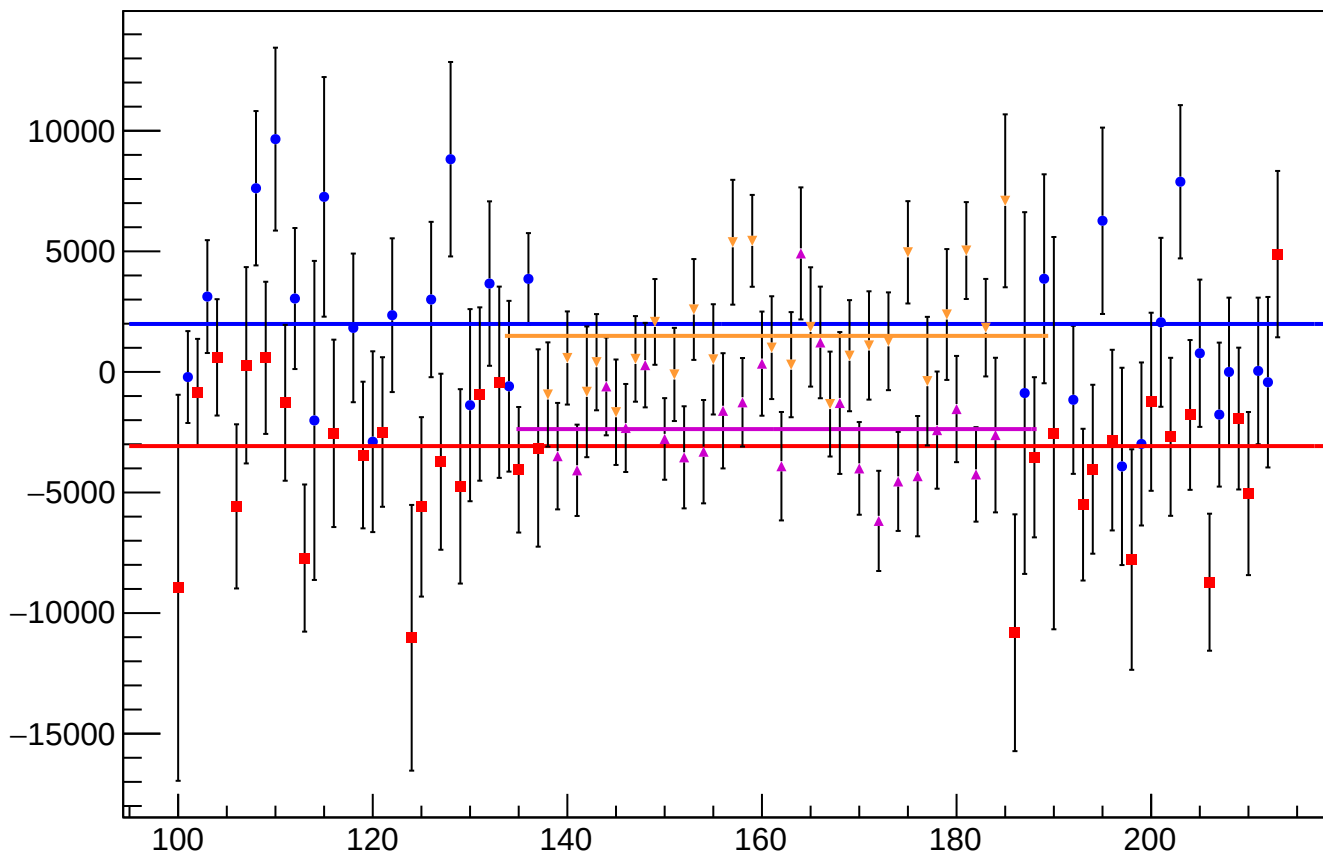
Left In: 1512.951 $\pm$ 0.254 χ^2 /NDF:957065.2/22

+ sign 1692.767 $\pm$ 0.206 χ^2 /NDF: 5398077.0/53

All: 1706.064 $\pm$ 0.147 χ^2 /NDF: 11531447.1/100

- sign 1719.772 $\pm$ 0.209 χ^2 /NDF: 6124904.9/55

asym_usr_mean vs Slug



Right In: 1988.775 $\pm$ 594.503 χ^2 /NDF: 30.9/28

Left Out: 1495.022 $\pm$ 433.196 χ^2 /NDF:23.8/24

Right Out: -3075.077 $\pm$ 593.868 χ^2 /NDF: 27.2/32

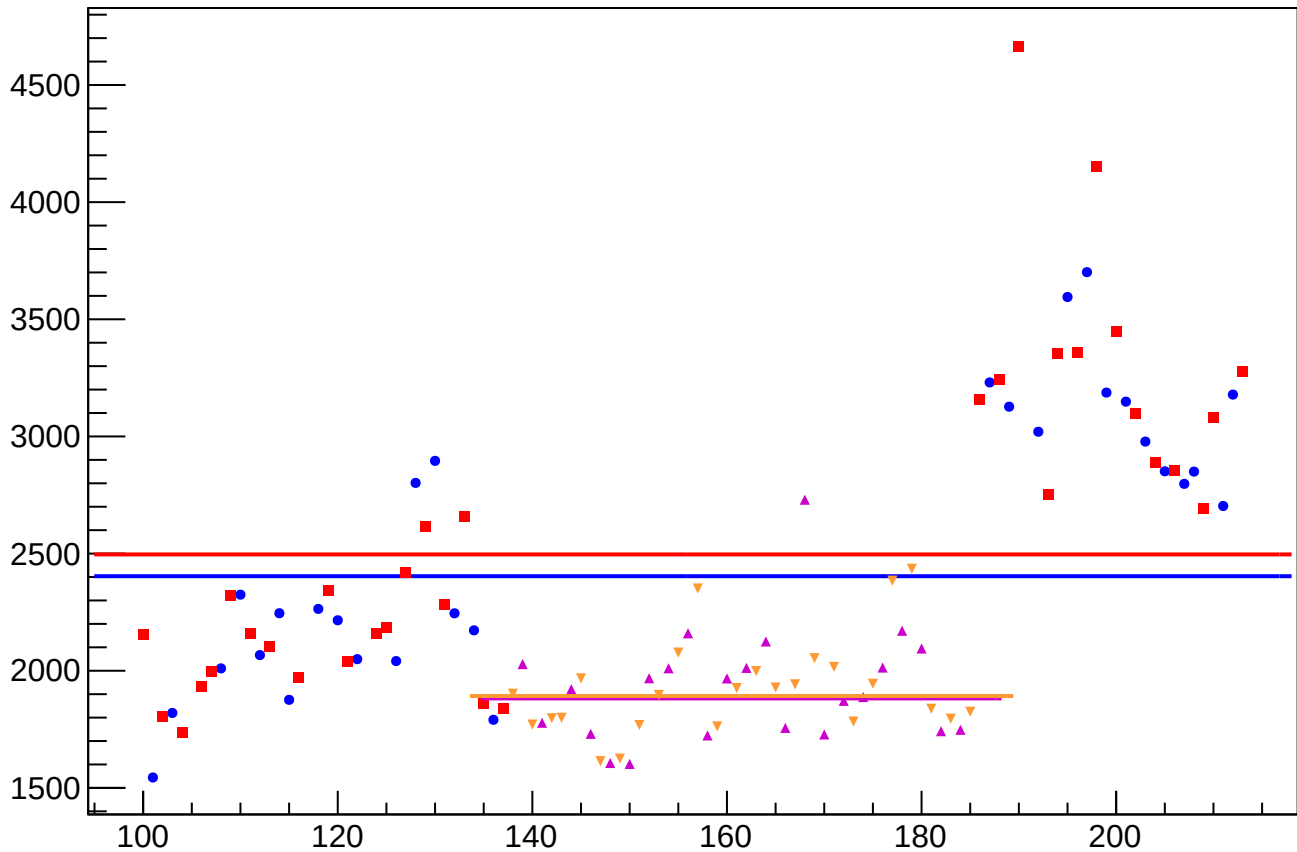
Left In: -2370.694 $\pm$ 442.952 χ^2 /NDF:23.7/22

+ sign 1666.262 $\pm$ 350.109 χ^2 /NDF: 55.1/53

All: -447.978 $\pm$ 249.297 χ^2 /NDF: 180.9/109

- sign -2622.485 $\pm$ 355.063 χ^2 /NDF: 51.8/55

asym_usr_rms vs Slug



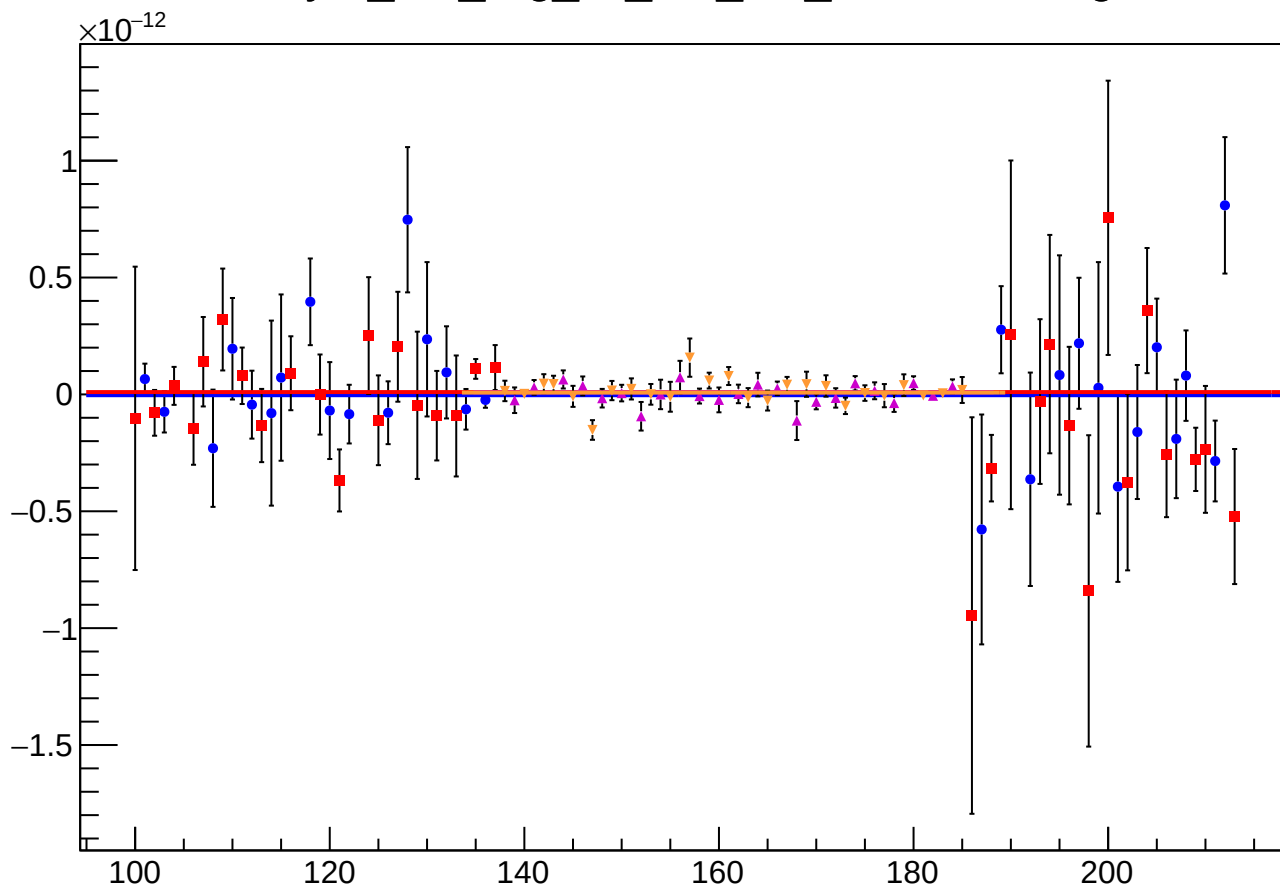
Right In: 2403.515 ± 0.420 χ^2/NDF : 1993607.2/28
 Left Out: 1892.117 ± 0.306 χ^2/NDF : 389648.0/24
 Right Out: 2496.468 ± 0.420 χ^2/NDF : 2045715.1/32
 Left In: 1881.892 ± 0.313 χ^2/NDF : 462659.6/22

+ sign 2069.477 ± 0.248 χ^2/NDF : 3349921.3/53

All: 2085.303 ± 0.176 χ^2/NDF : 7242843.2/10

- sign 2101.580 ± 0.251 χ^2/NDF : 3884631.9/55

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.7/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 45.9/32

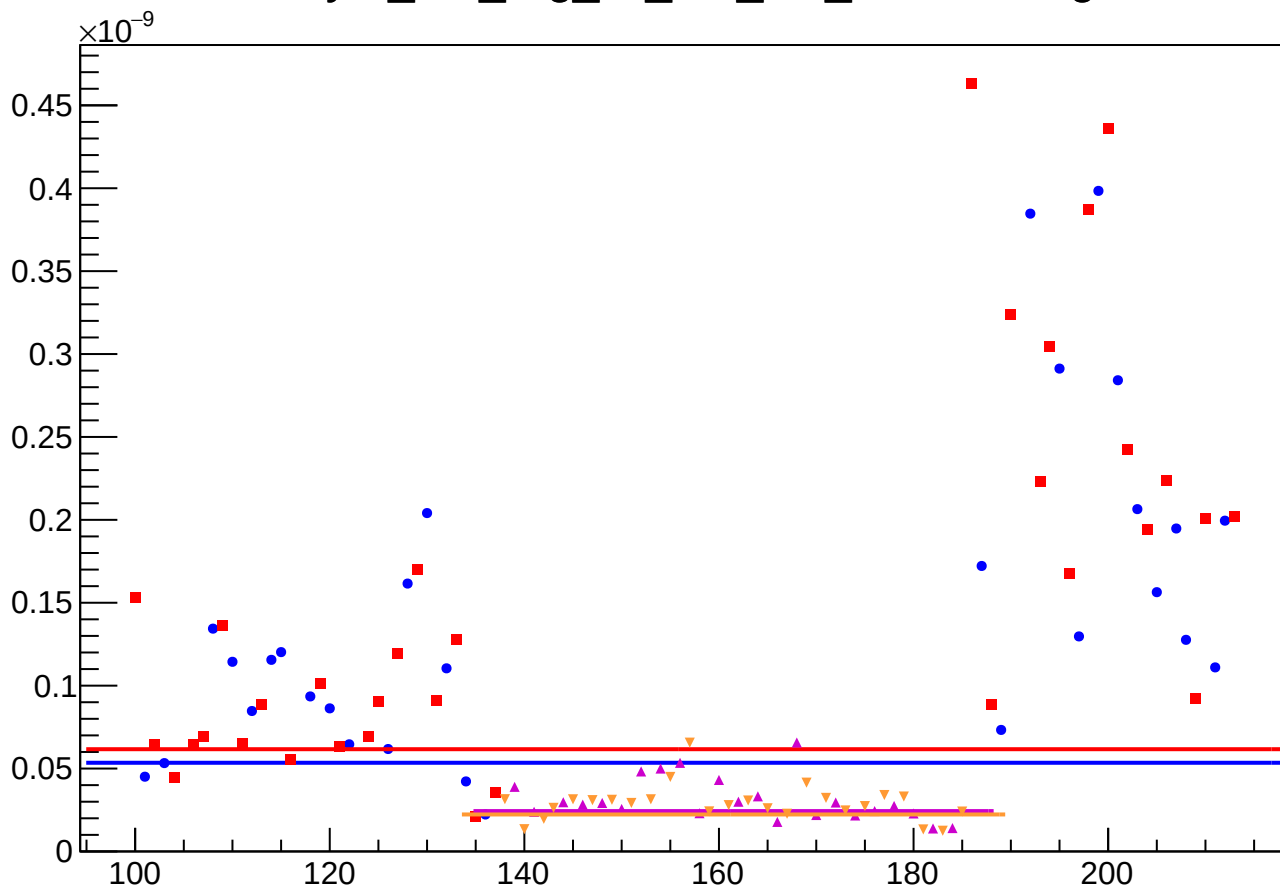
Left In: 0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.3/53

All: 0.000 ± 0.000 χ^2/NDF : 132.3/109

- sign 0.000 ± 0.000 χ^2/NDF : 65.0/55

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9297230.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3629538.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9077611.9/32

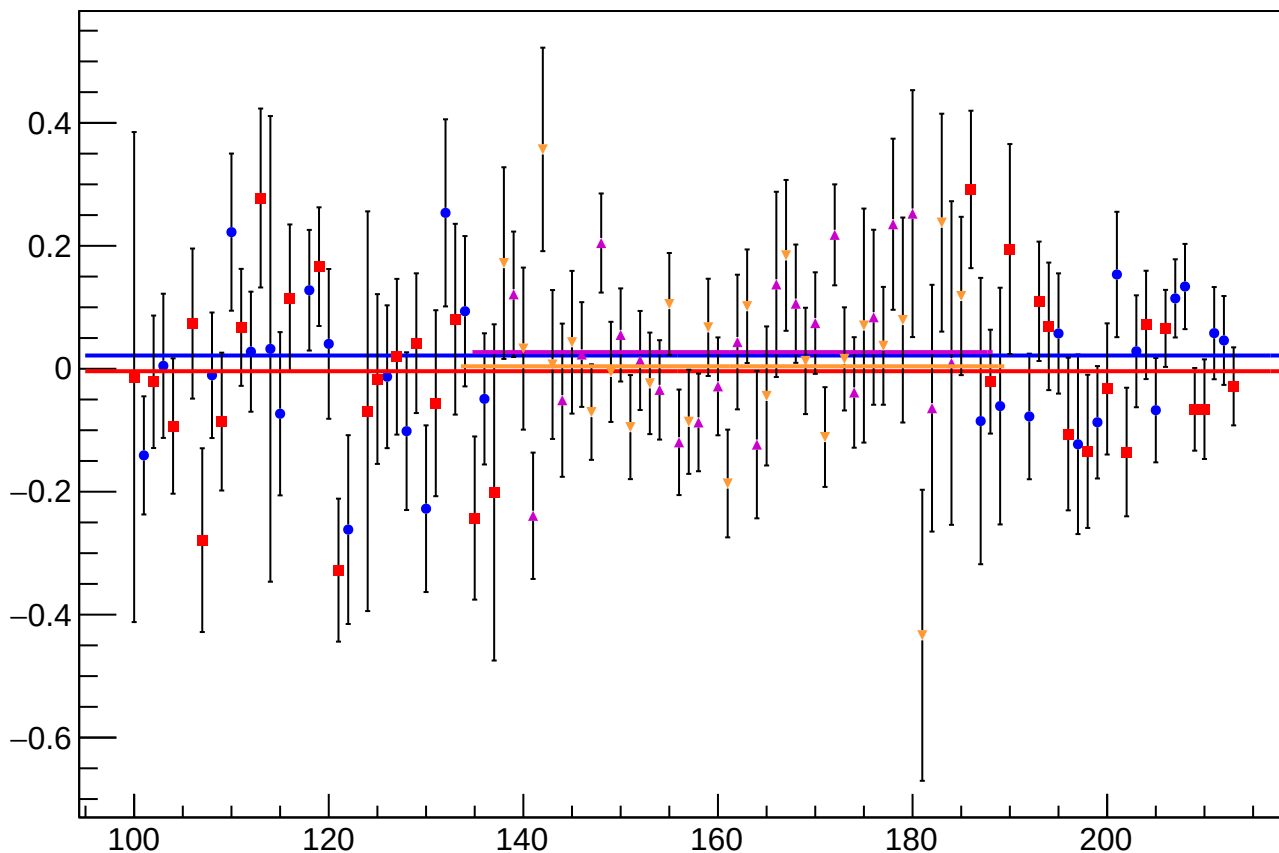
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3124271.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 16285670.6/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32625713.8/109

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 16207755.2/55

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.019 χ^2/NDF : 29.8/28

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: -0.004 ± 0.019 χ^2/NDF : 41.1/32

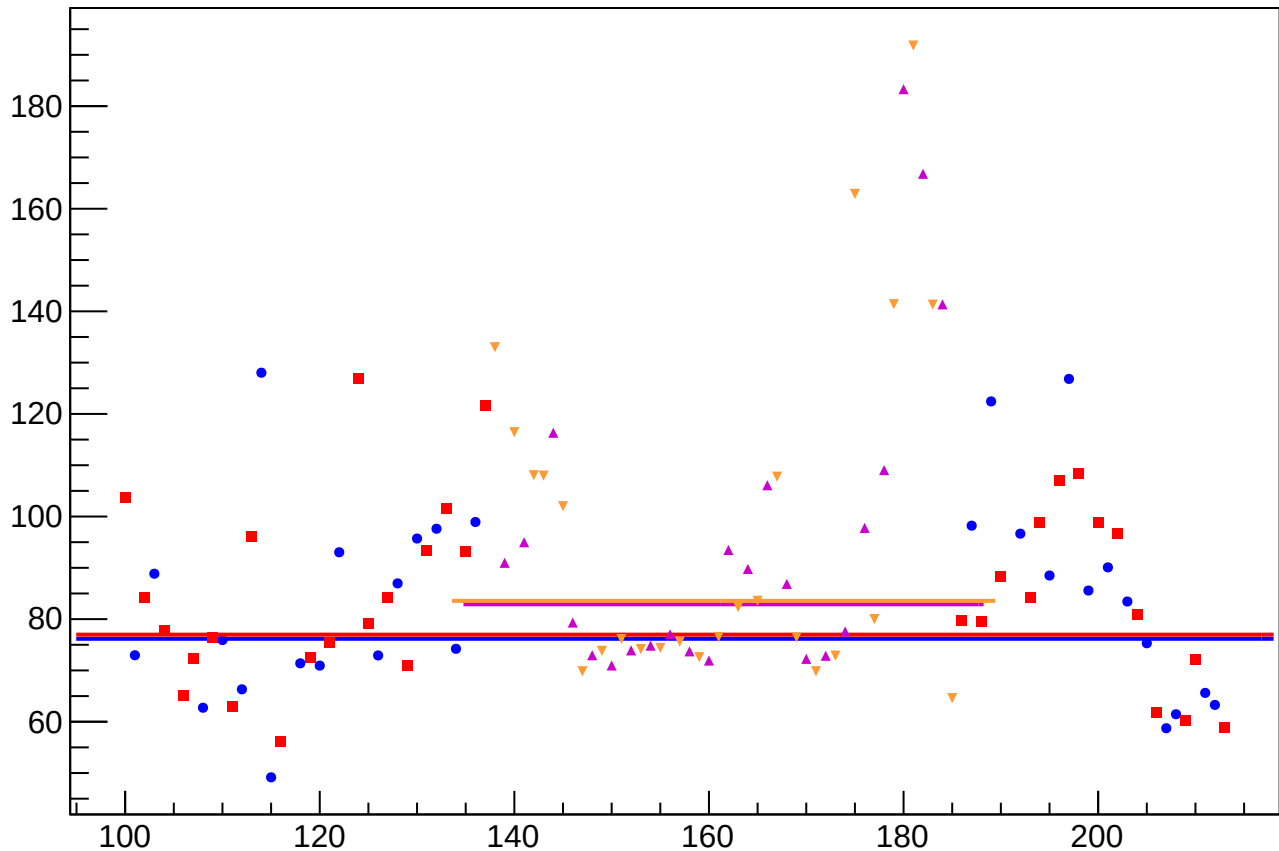
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.013 ± 0.014 χ^2/NDF : 58.4/53

All: 0.012 ± 0.010 χ^2/NDF : 132.7/109

- sign 0.010 ± 0.014 χ^2/NDF : 74.3/55

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 76.167 ± 0.014 $\chi^2/\text{NDF}: 1322860.0/28$

Left Out: 83.564 ± 0.014 $\chi^2/\text{NDF}: 2172931.4/24$

Right Out: 76.977 ± 0.013 $\chi^2/\text{NDF}: 1324127.4/32$

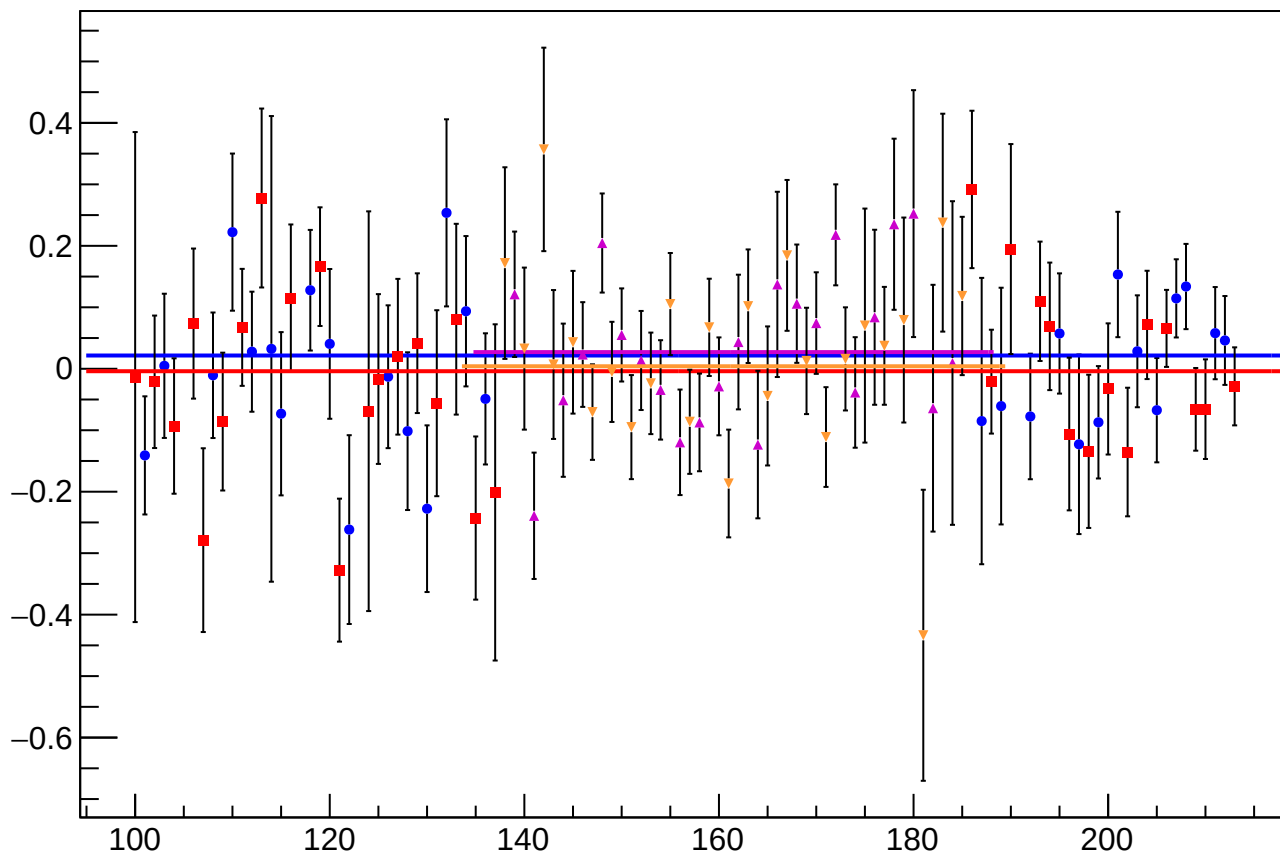
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1573003.1/22$

+ sign 79.668 ± 0.010 $\chi^2/\text{NDF}: 3635615.1/53$

All: 79.657 ± 0.007 $\chi^2/\text{NDF}: 6623650.5/109$

- sign 79.645 ± 0.010 $\chi^2/\text{NDF}: 2988032.7/55$

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.019 χ^2/NDF : 29.8/28

Left Out: 0.004 $\pm$ 0.020 χ^2/NDF : 28.2/24

Right Out: -0.004 $\pm$ 0.019 χ^2/NDF : 41.1/32

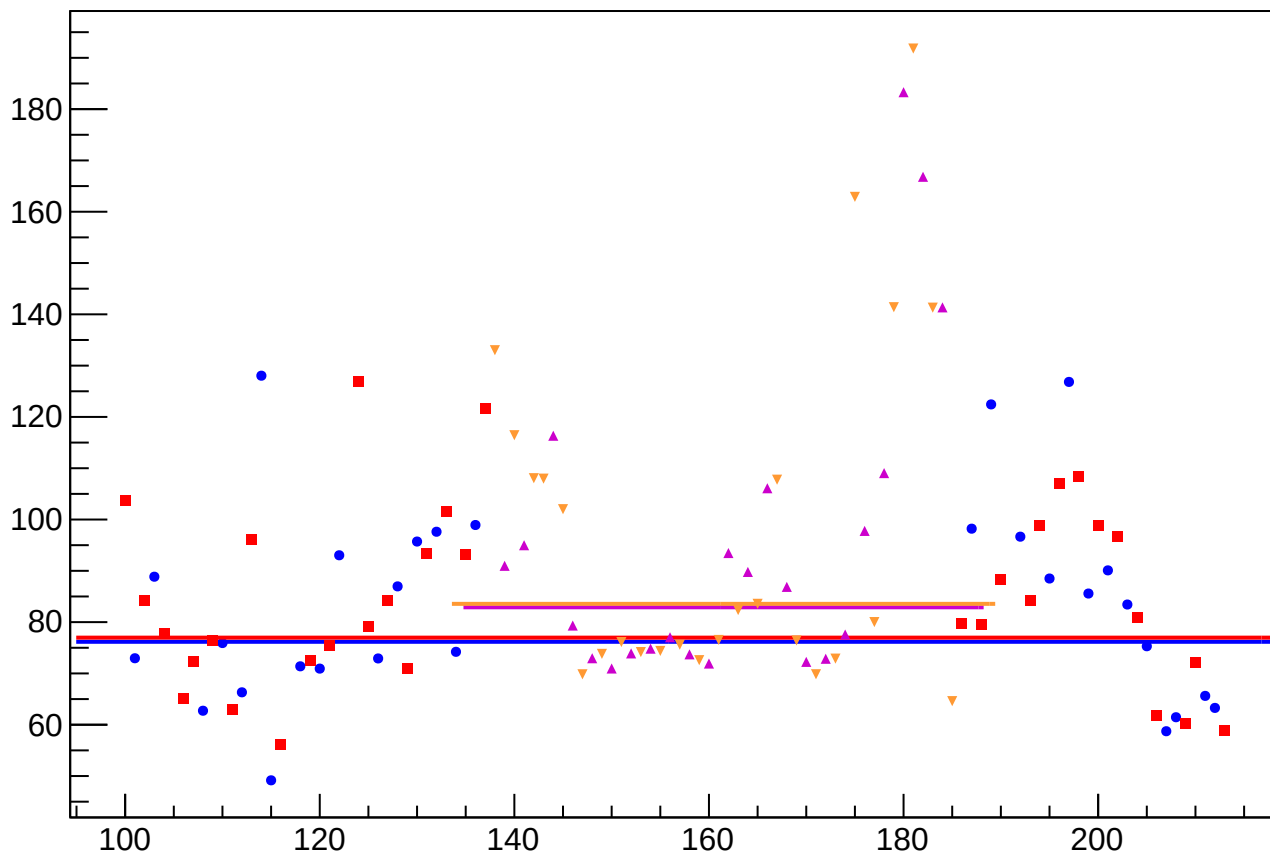
Left In: 0.027 $\pm$ 0.021 χ^2/NDF : 32.0/22

+ sign 0.013 $\pm$ 0.014 χ^2/NDF : 58.4/53

All: 0.012 $\pm$ 0.010 χ^2/NDF : 132.7/109

- sign 0.010 $\pm$ 0.014 χ^2/NDF : 74.3/55

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 76.167 $\pm$ 0.014 χ^2 /NDF: 1322860.0/28

Left Out: 83.564 $\pm$ 0.014 χ^2 /NDF: 2172931.4/24

Right Out: 76.977 $\pm$ 0.013 χ^2 /NDF: 1324127.4/32

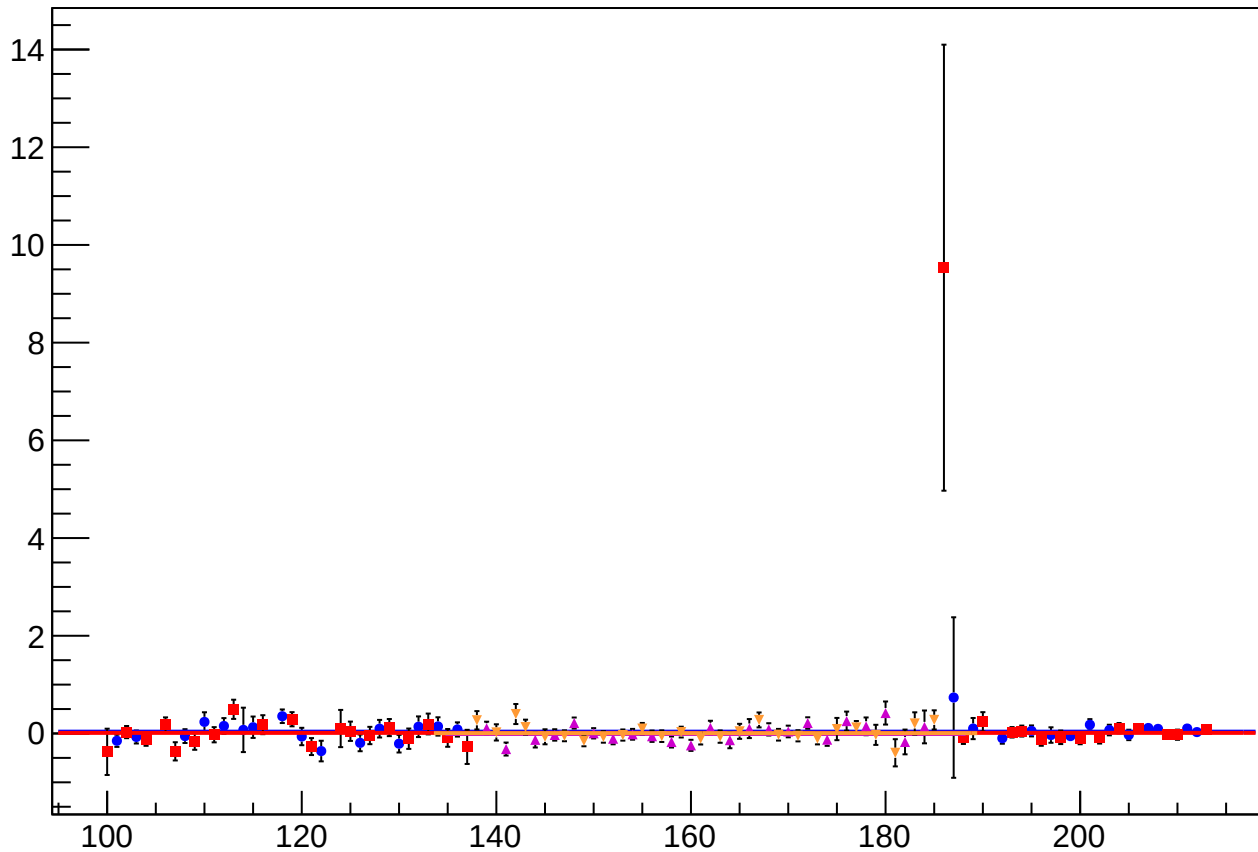
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1573003.1/22

+ sign 79.668 $\pm$ 0.010 χ^2 /NDF: 3635615.1/53

All: 79.657 $\pm$ 0.007 χ^2 /NDF: 6623650.5/109

- sign 79.645 $\pm$ 0.010 χ^2 /NDF: 2988032.7/55

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.037 ± 0.025 χ^2/NDF : 24.8/28

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.012 ± 0.024 χ^2/NDF : 36.4/32

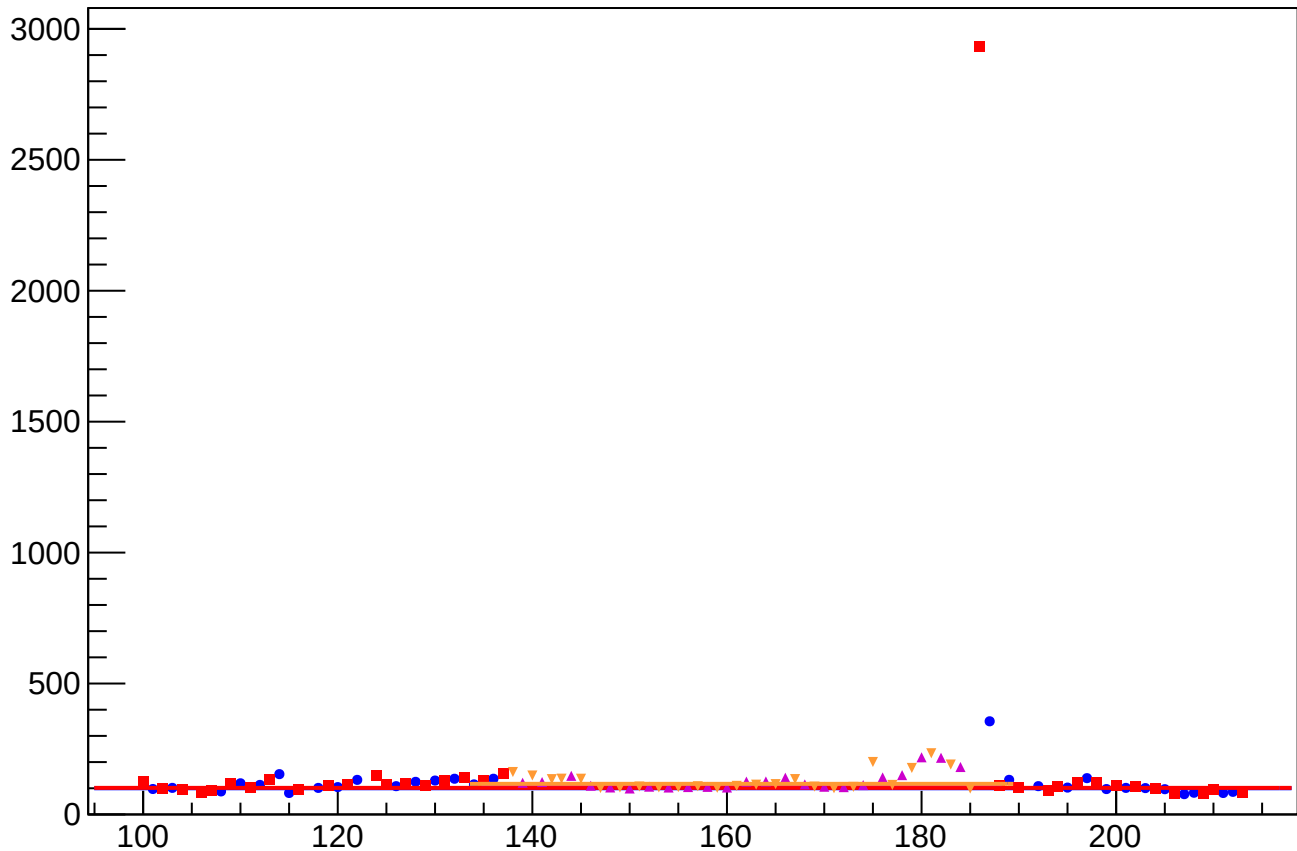
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.023 ± 0.019 χ^2/NDF : 46.8/53

All: 0.013 ± 0.013 χ^2/NDF : 115.5/109

- sign 0.003 ± 0.018 χ^2/NDF : 68.0/55

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 99.993 $\pm$ 0.018 χ^2 /NDF: 982325.1/28

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596935.1/24

Right Out: 101.504 $\pm$ 0.017 χ^2 /NDF: 1626825.0/32

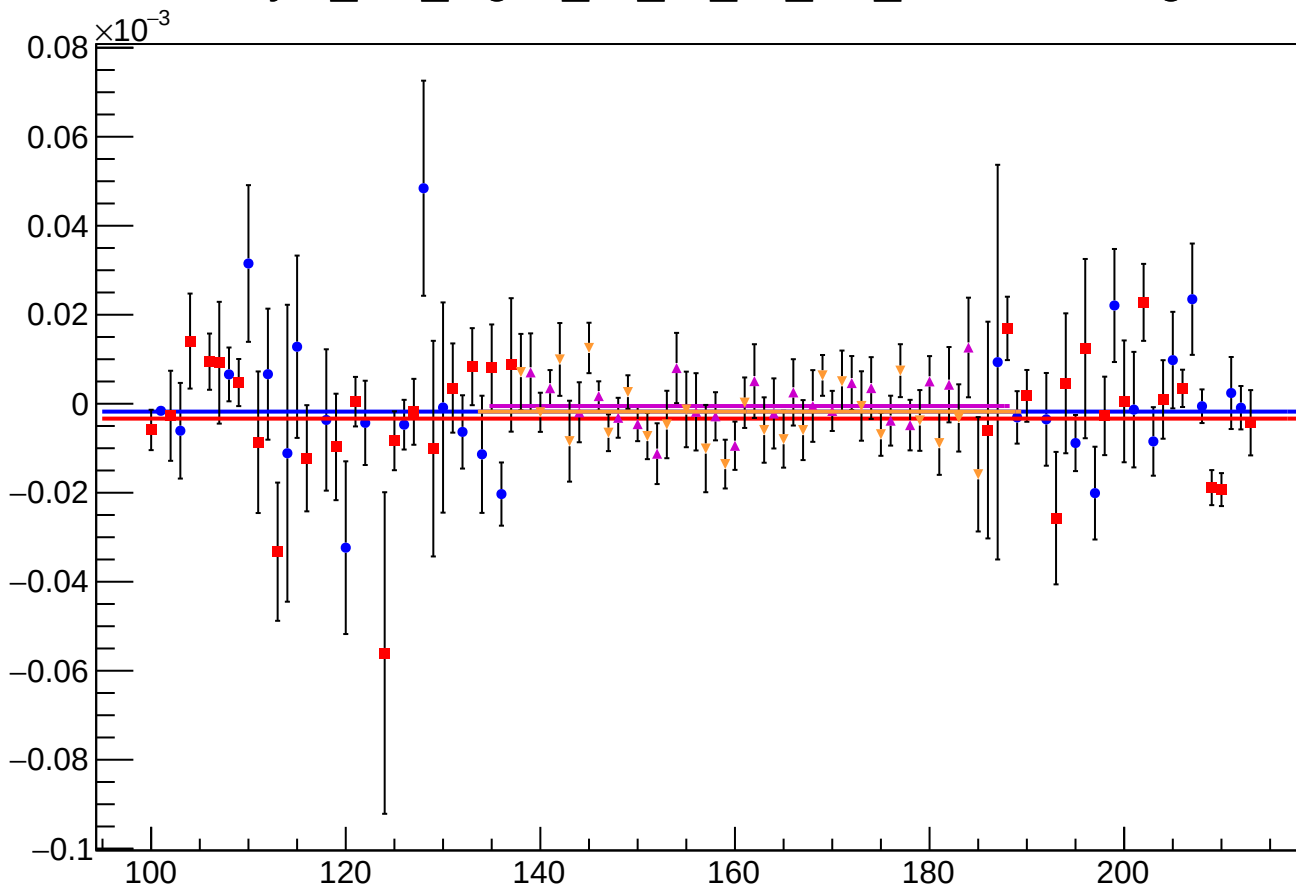
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231382.1/22

+ sign 107.548 $\pm$ 0.013 χ^2 /NDF: 2988174.1/53

All: 107.608 $\pm$ 0.009 χ^2 /NDF: 6142883.6/109

- sign 107.666 $\pm$ 0.013 χ^2 /NDF: 3154668.7/55

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 80.7/32

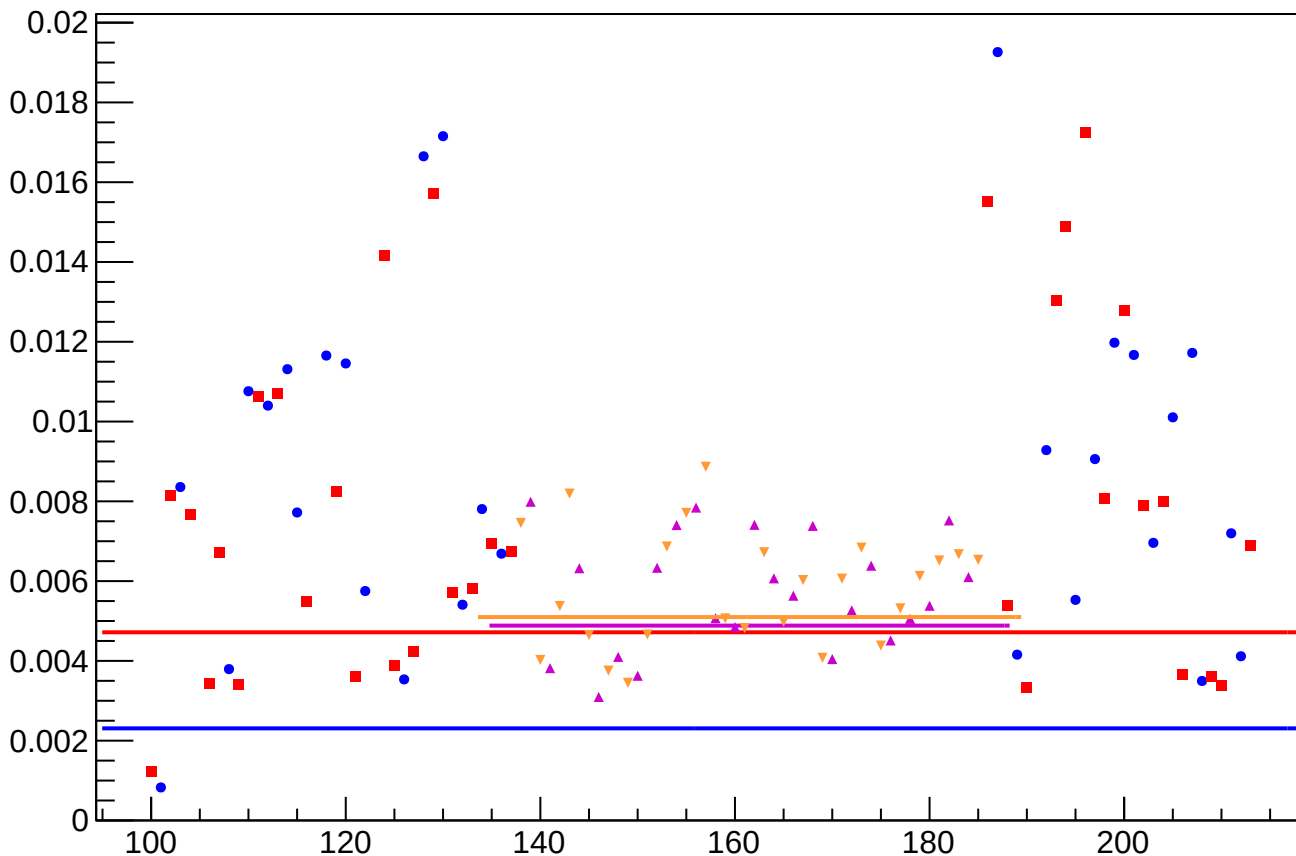
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 66.8/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 165.6/109

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 98.8/55

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 19545873.6/28

Left Out: 0.005+/-0.000 χ^2/NDF : 2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 8449030.3/32

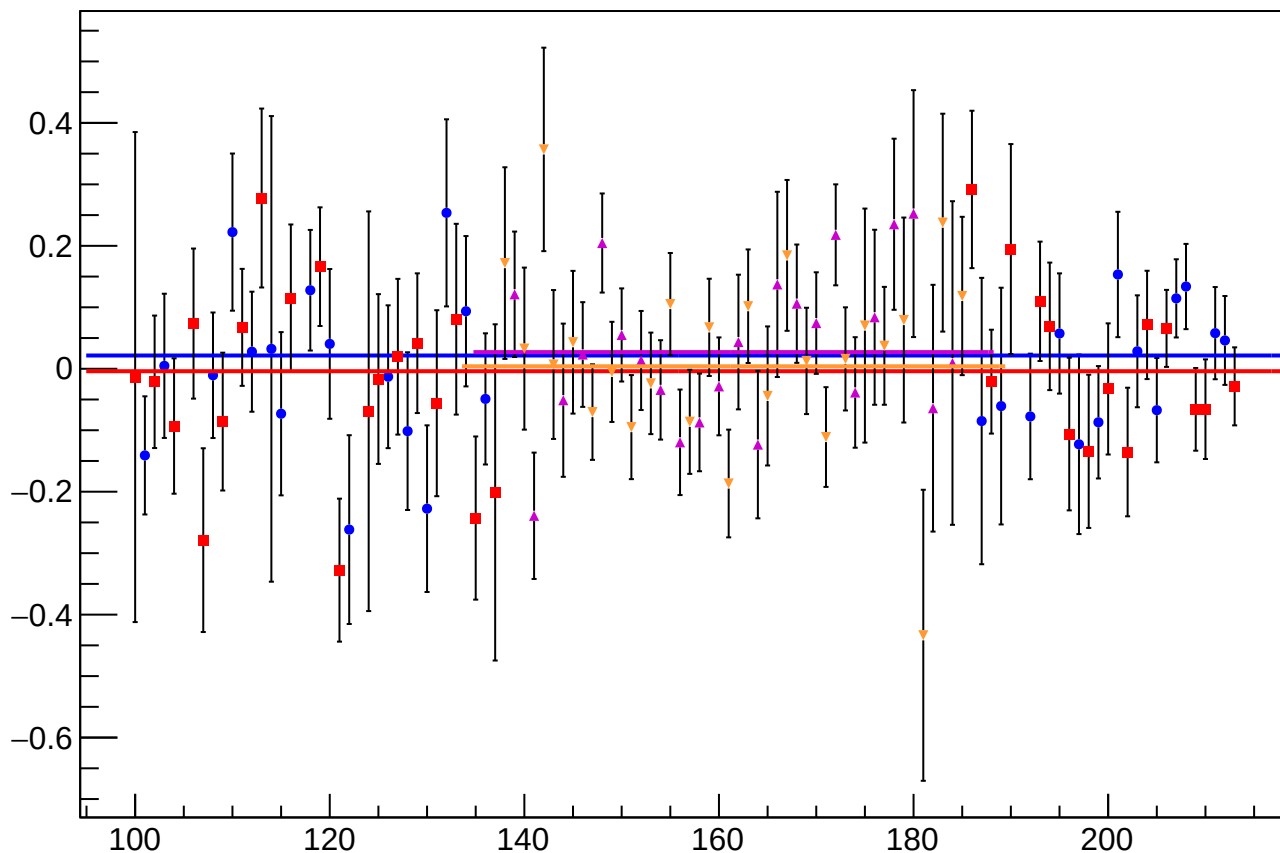
Left In: 0.005+/-0.000 χ^2/NDF : 2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 28884992.3/53

All: 0.004+/-0.000 χ^2/NDF : 43783945.4/109

- sign 0.005+/-0.000 χ^2/NDF : 11192489.1/55

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.019 $\chi^2/\text{NDF}: 29.8/28$

Left Out: 0.004 ± 0.020 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -0.004 ± 0.019 $\chi^2/\text{NDF}: 41.1/32$

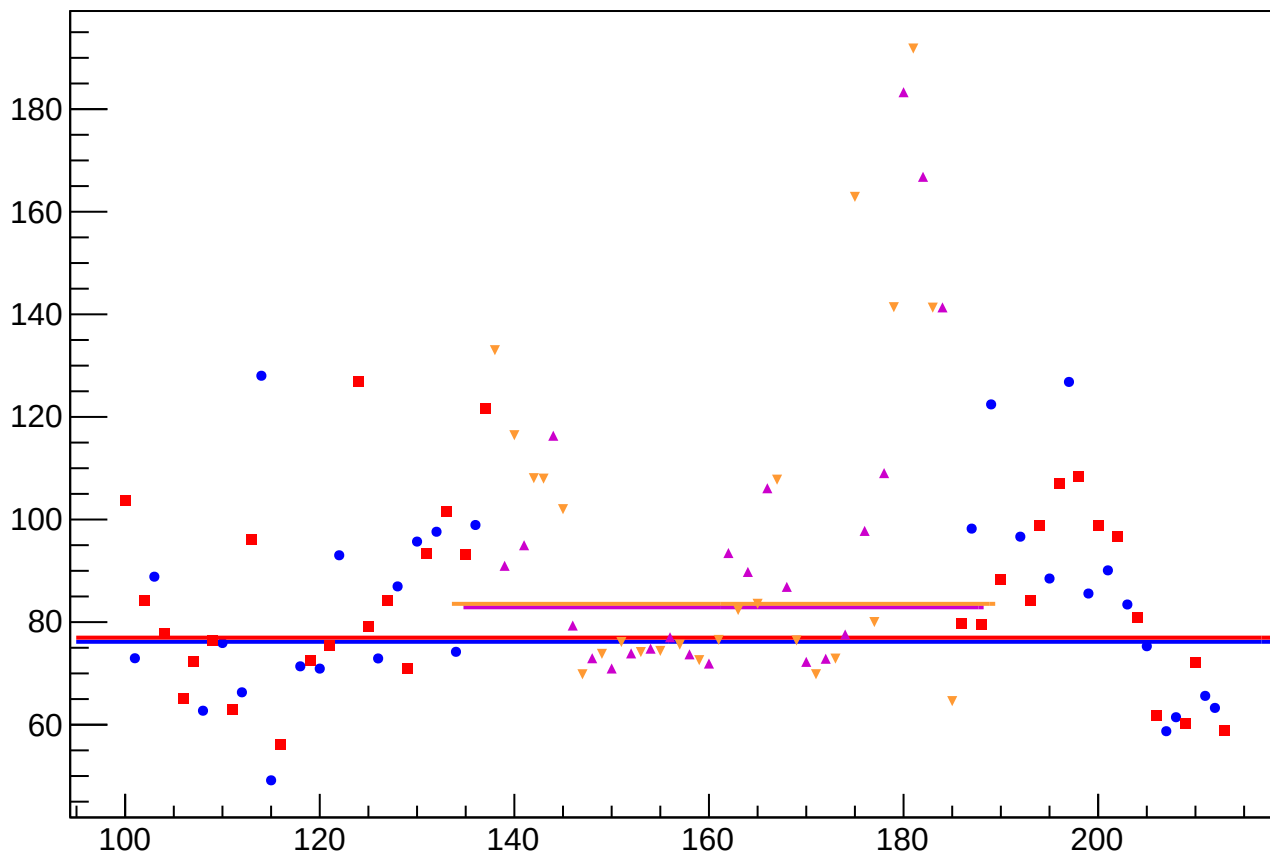
Left In: 0.027 ± 0.021 $\chi^2/\text{NDF}: 32.0/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 58.4/53$

All: 0.012 ± 0.010 $\chi^2/\text{NDF}: 132.7/109$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 74.3/55$

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 76.167 ± 0.014 $\chi^2/\text{NDF}: 1322771.4/28$

Left Out: 83.565 ± 0.014 $\chi^2/\text{NDF}: 2172921.0/24$

Right Out: 76.976 ± 0.013 $\chi^2/\text{NDF}: 1324058.8/32$

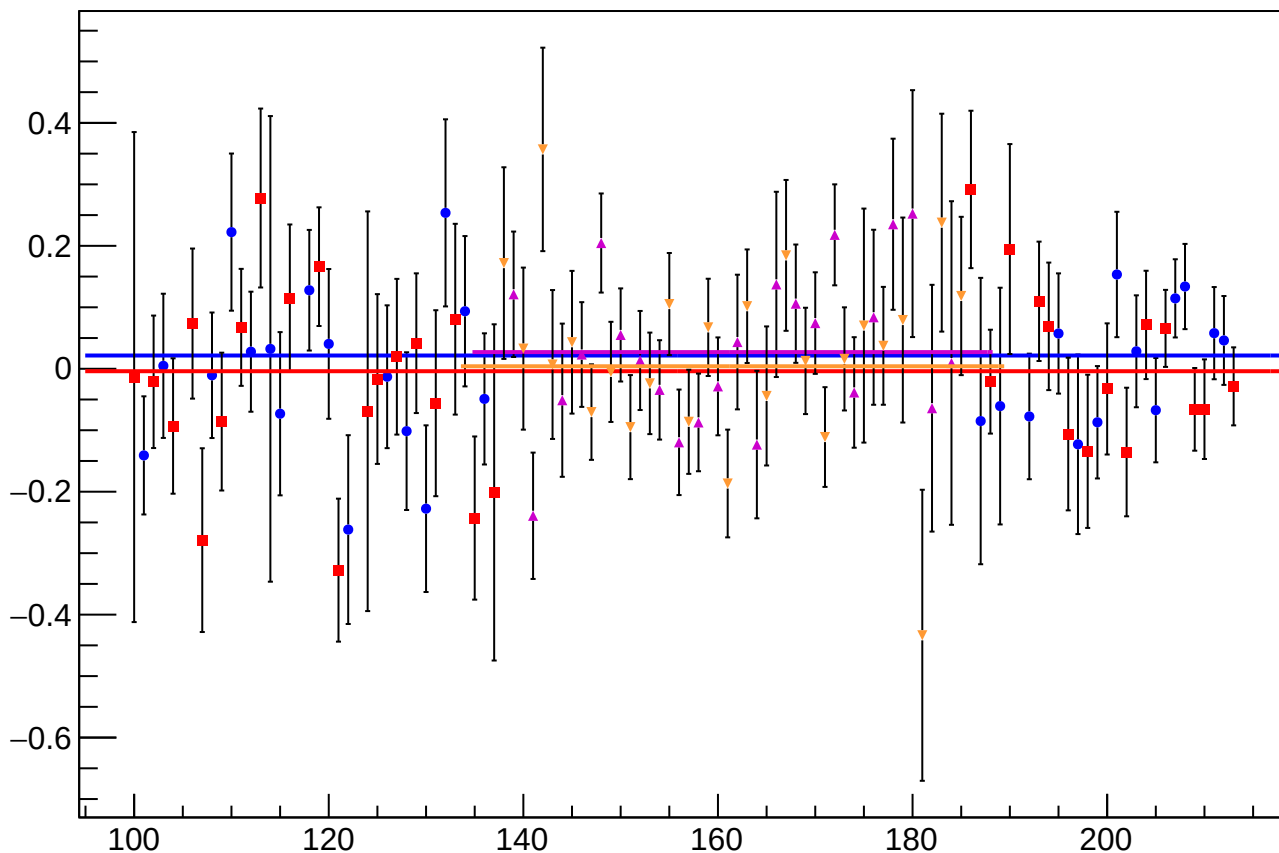
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1572981.0/22$

+ sign 79.669 ± 0.010 $\chi^2/\text{NDF}: 3635536.2/53$

All: 79.657 ± 0.007 $\chi^2/\text{NDF}: 6623511.5/109$

- sign 79.645 ± 0.010 $\chi^2/\text{NDF}: 2987972.4/55$

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.019 $\chi^2/\text{NDF}: 29.8/28$

Left Out: 0.004 ± 0.020 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -0.004 ± 0.019 $\chi^2/\text{NDF}: 41.1/32$

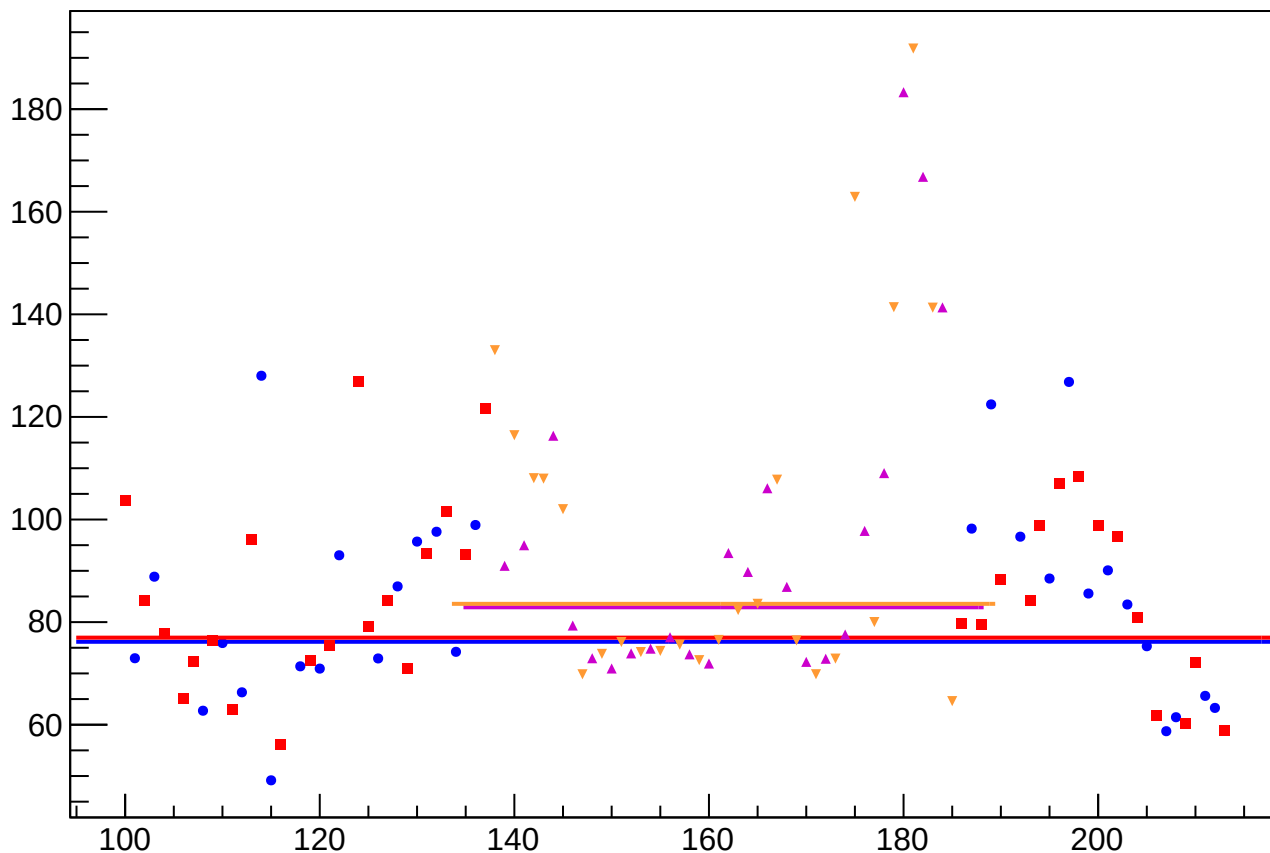
Left In: 0.027 ± 0.021 $\chi^2/\text{NDF}: 32.0/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 58.4/53$

All: 0.012 ± 0.010 $\chi^2/\text{NDF}: 132.7/109$

- sign 0.010 ± 0.014 $\chi^2/\text{NDF}: 74.3/55$

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 76.167 $\pm$ 0.014 χ^2 /NDF: 1322771.4/28

Left Out: 83.565 $\pm$ 0.014 χ^2 /NDF: 2172921.0/24

Right Out: 76.976 $\pm$ 0.013 χ^2 /NDF: 1324058.8/32

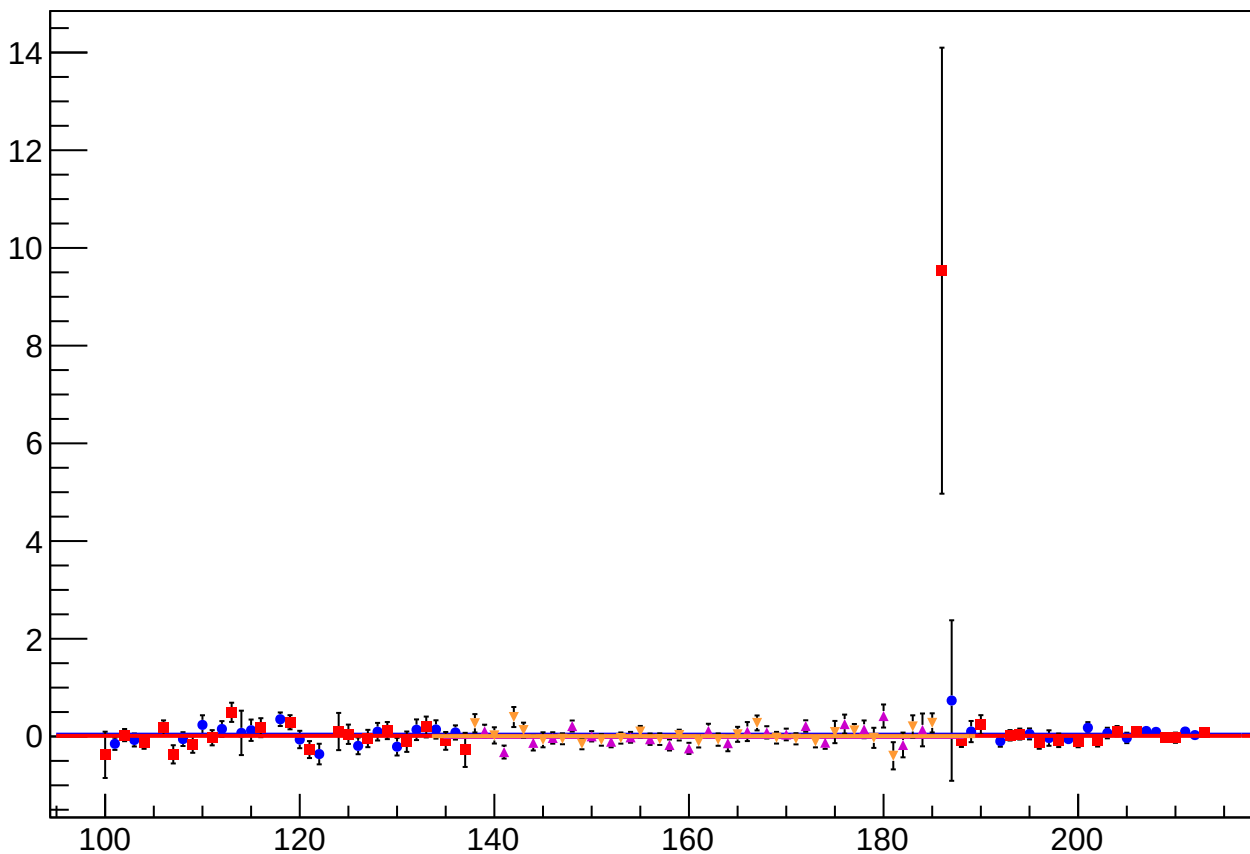
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1572981.0/22

+ sign 79.669 $\pm$ 0.010 χ^2 /NDF: 3635536.2/53

All: 79.657 $\pm$ 0.007 χ^2 /NDF: 6623511.5/109

- sign 79.645 $\pm$ 0.010 χ^2 /NDF: 2987972.4/55

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.037 ± 0.025 χ^2/NDF : 24.8/28

Left Out: 0.006 ± 0.028 χ^2/NDF : 21.3/24

Right Out: 0.012 ± 0.024 χ^2/NDF : 36.4/32

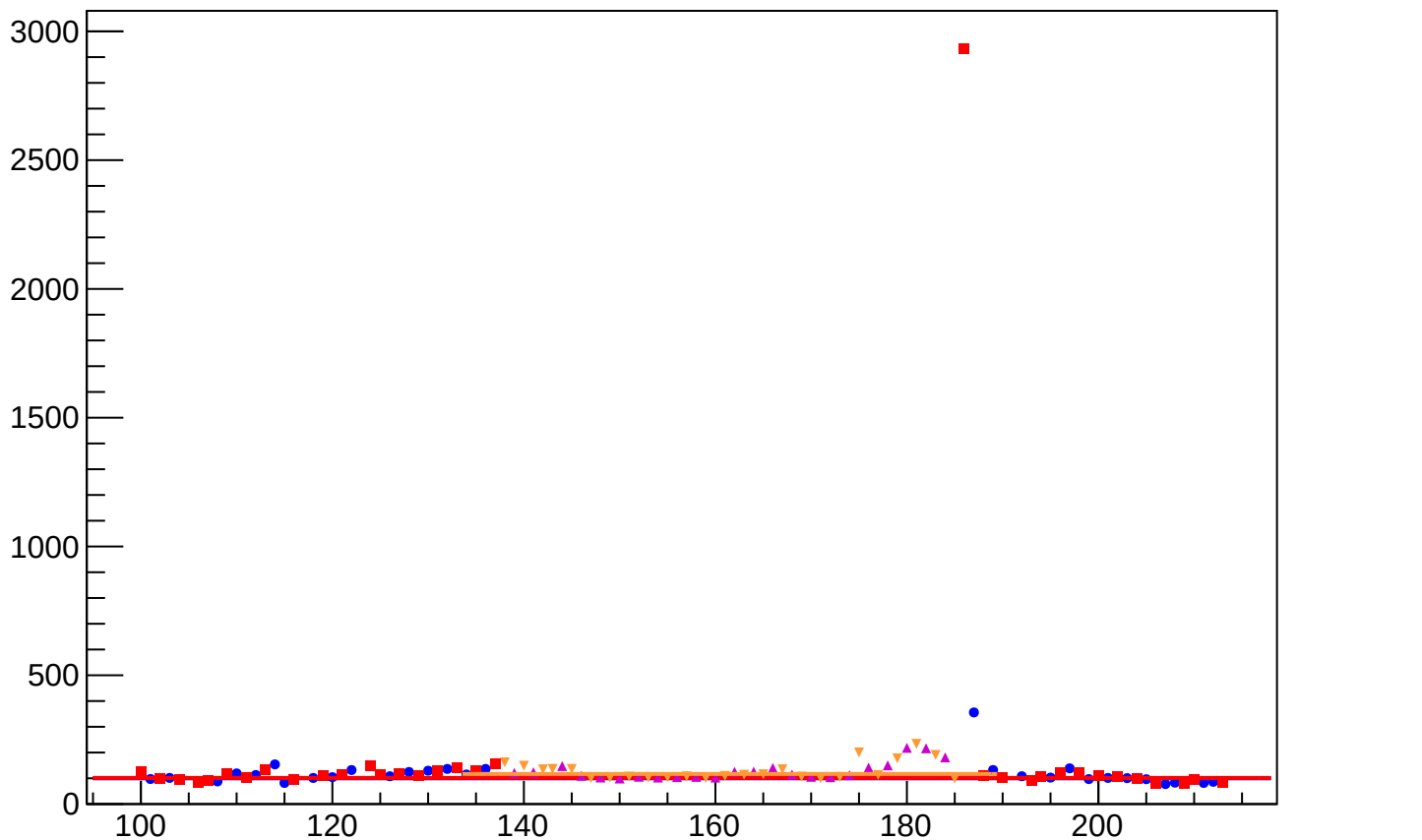
Left In: -0.010 ± 0.028 χ^2/NDF : 31.3/22

+ sign 0.023 ± 0.019 χ^2/NDF : 46.8/53

All: 0.013 ± 0.013 χ^2/NDF : 115.5/109

- sign 0.003 ± 0.018 χ^2/NDF : 68.0/55

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 99.993 $\pm$ 0.018 χ^2 /NDF: 982212.7/28

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596928.7/24

Right Out: 101.504 $\pm$ 0.017 χ^2 /NDF: 1626755.3/32

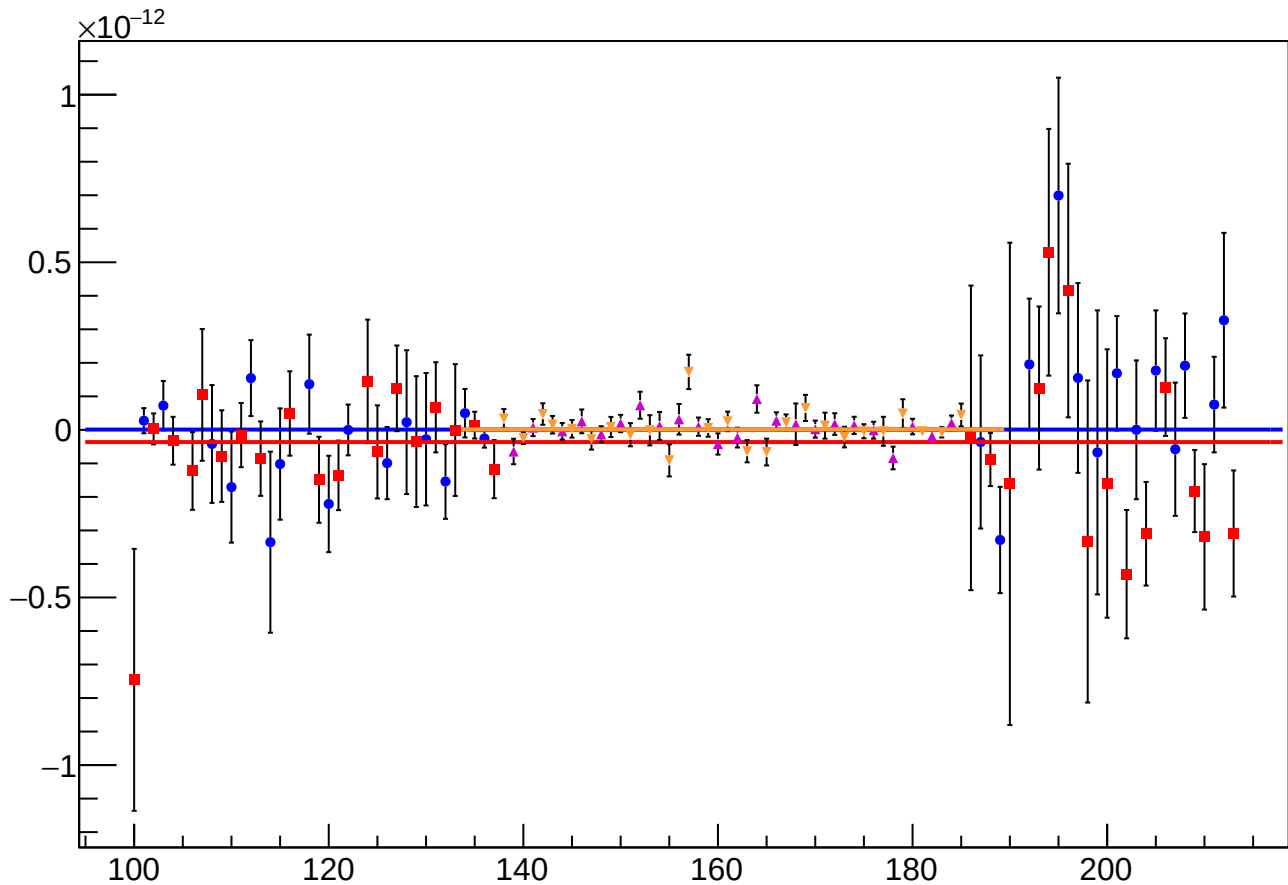
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231371.8/22

+ sign 107.548 $\pm$ 0.013 χ^2 /NDF: 2988062.5/53

All: 107.608 $\pm$ 0.009 χ^2 /NDF: 6142713.3/109

- sign 107.666 $\pm$ 0.013 χ^2 /NDF: 3154610.3/55

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:36.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/32

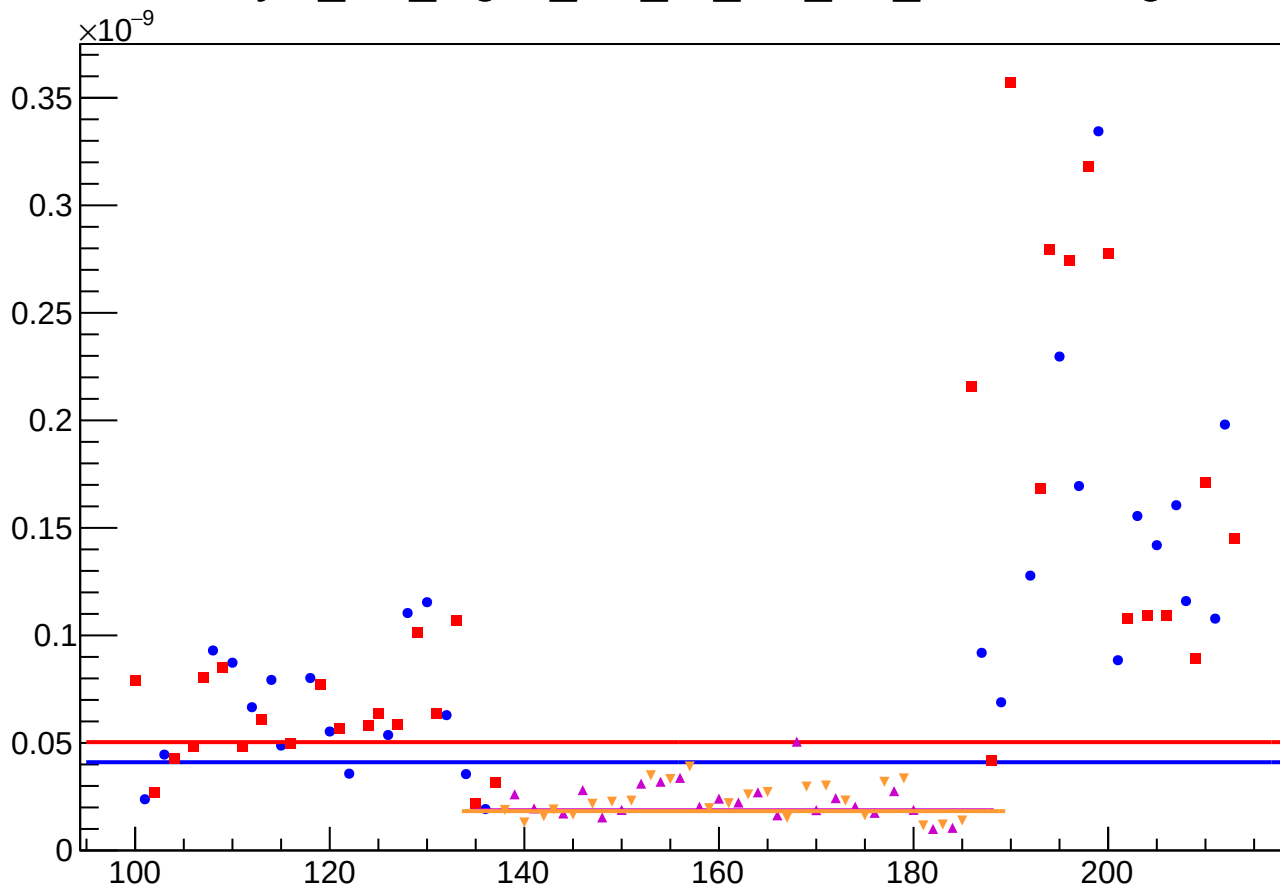
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:26.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.4/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 128.0/109

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.4/55

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9190639.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8312093.2/32

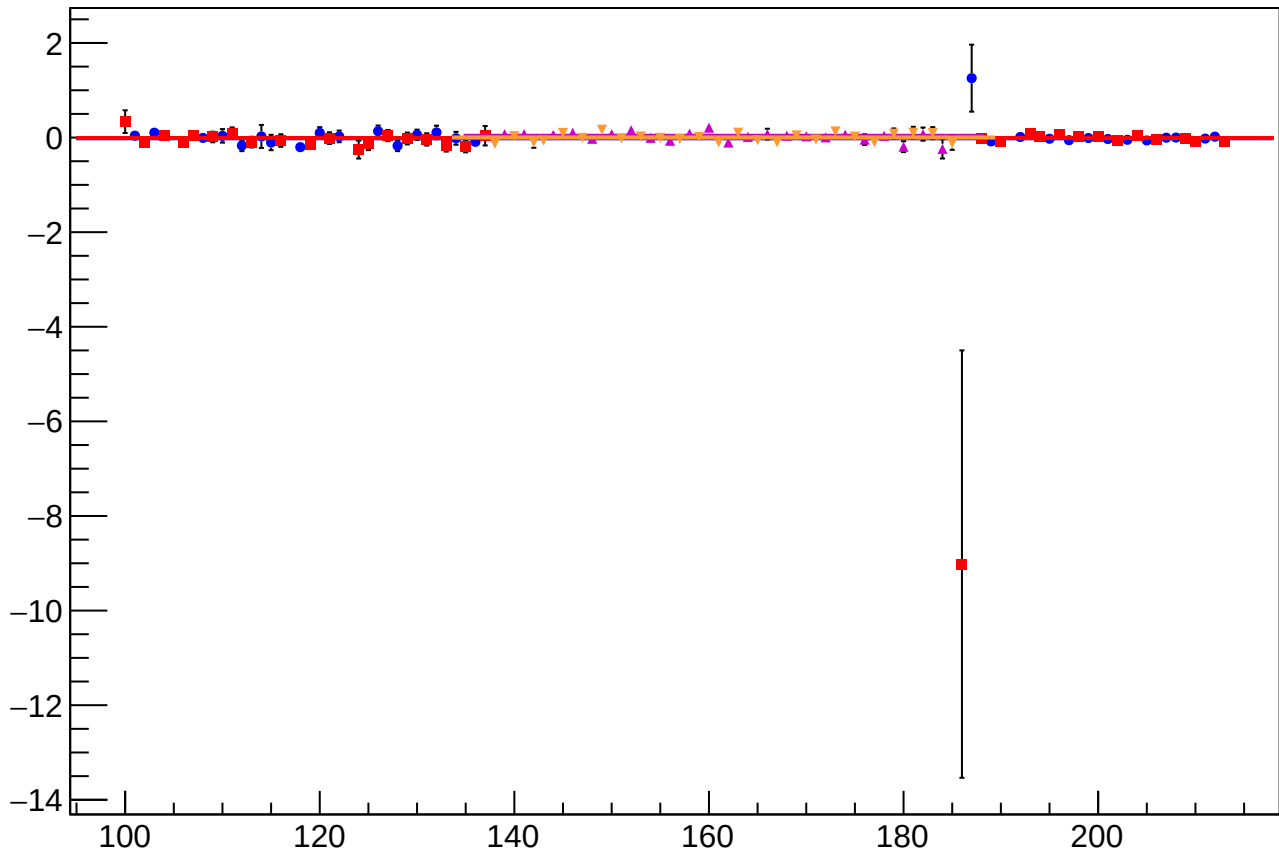
Left In: 0.000+/-0.000 χ^2/NDF : 2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 15451514.2/53

All: 0.000+/-0.000 χ^2/NDF : 31655792.5/109

- sign 0.000+/-0.000 χ^2/NDF : 16181340.6/55

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 24.4/28

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.009 ± 0.012 χ^2/NDF : 39.4/32

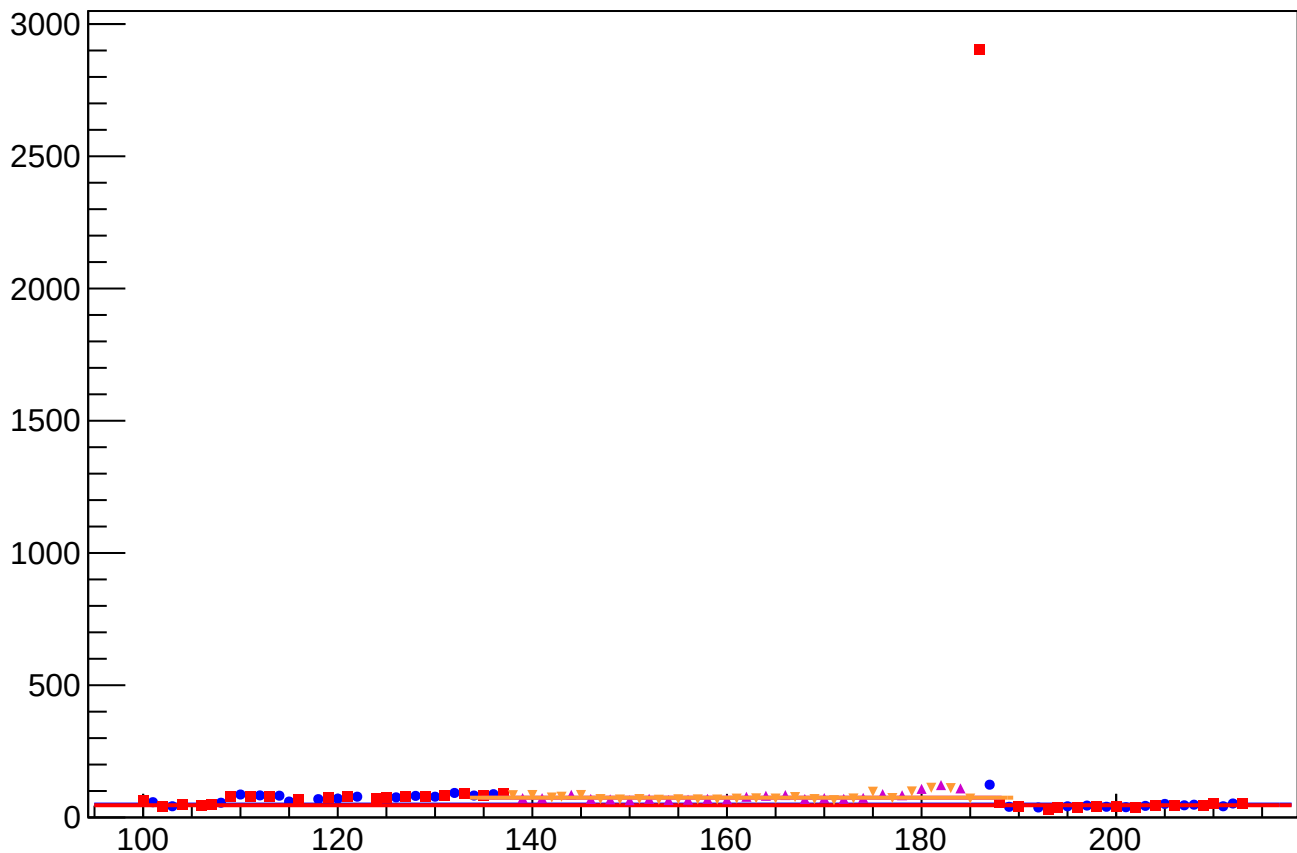
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.009 ± 0.010 χ^2/NDF : 46.6/53

All: -0.002 ± 0.007 χ^2/NDF : 113.6/109

- sign 0.005 ± 0.010 χ^2/NDF : 65.9/55

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.716+/-0.009 χ^2/NDF : 2292497.3/28

Left Out: 74.749+/-0.012 χ^2/NDF : 744366.0/24

Right Out: 46.175+/-0.008 χ^2/NDF : 3671792.0/32

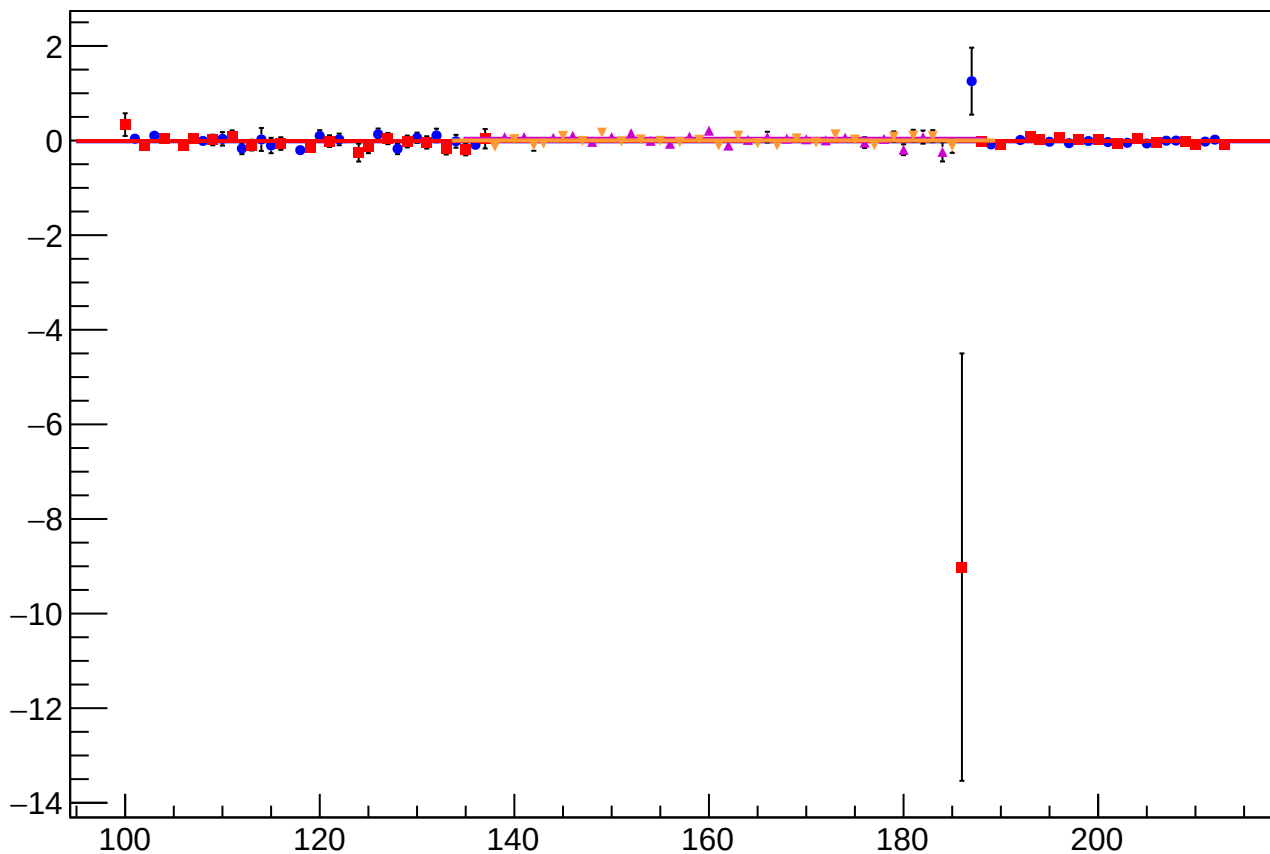
Left In: 74.601+/-0.013 χ^2/NDF : 713751.1/22

+ sign 57.523+/-0.007 χ^2/NDF : 5990488.6/53

All: 56.015+/-0.005 χ^2/NDF : 14015671.7/109

- sign 54.622+/-0.007 χ^2/NDF : 7940065.6/55

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 24.4/28$

Left Out: 0.003 ± 0.017 $\chi^2/\text{NDF}: 21.5/24$

Right Out: -0.009 ± 0.012 $\chi^2/\text{NDF}: 39.4/32$

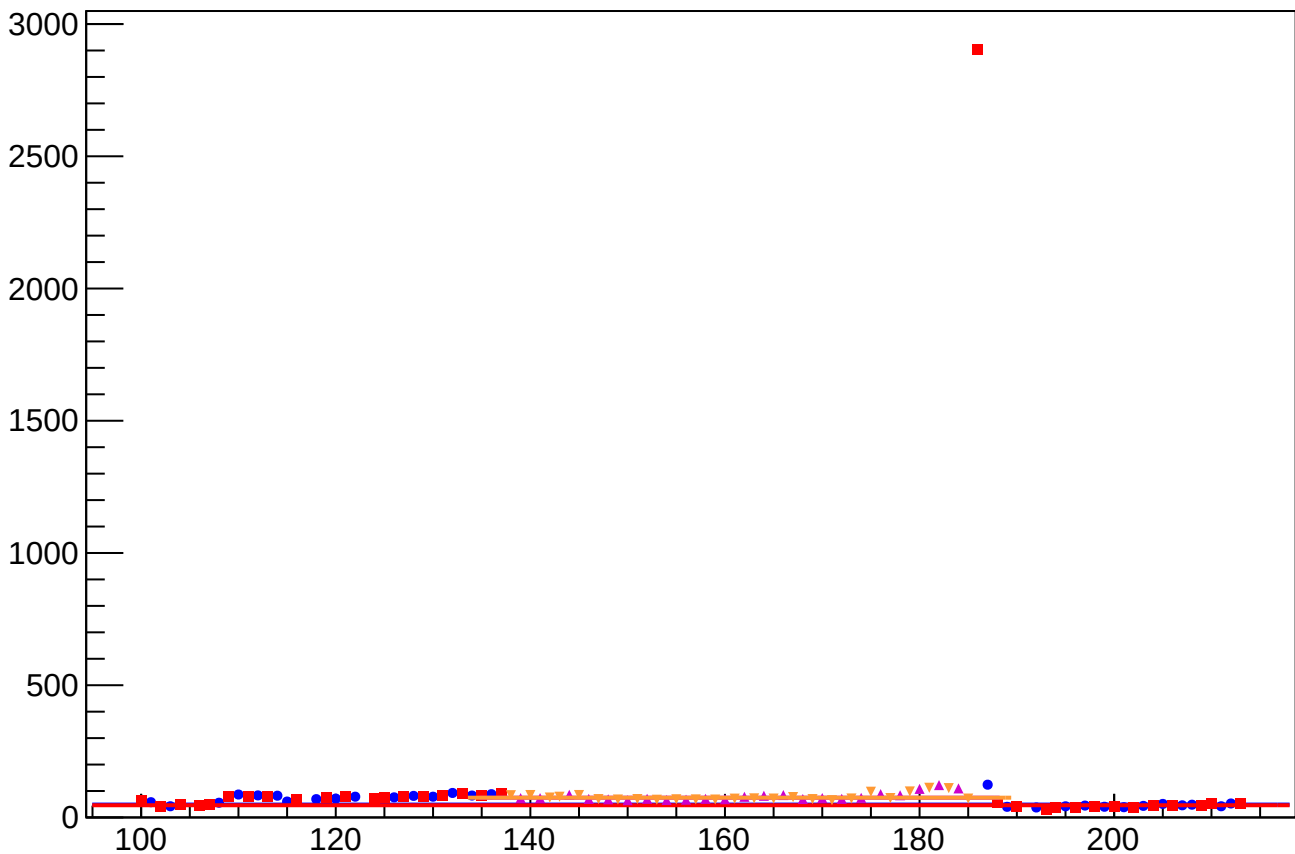
Left In: 0.038 ± 0.018 $\chi^2/\text{NDF}: 21.6/22$

+ sign -0.009 ± 0.010 $\chi^2/\text{NDF}: 46.6/53$

All: -0.002 ± 0.007 $\chi^2/\text{NDF}: 113.6/109$

- sign 0.005 ± 0.010 $\chi^2/\text{NDF}: 65.9/55$

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.716+/-0.009 χ^2/NDF : 2292497.3/28

Left Out: 74.749+/-0.012 χ^2/NDF : 744366.0/24

Right Out: 46.175+/-0.008 χ^2/NDF : 3671792.0/32

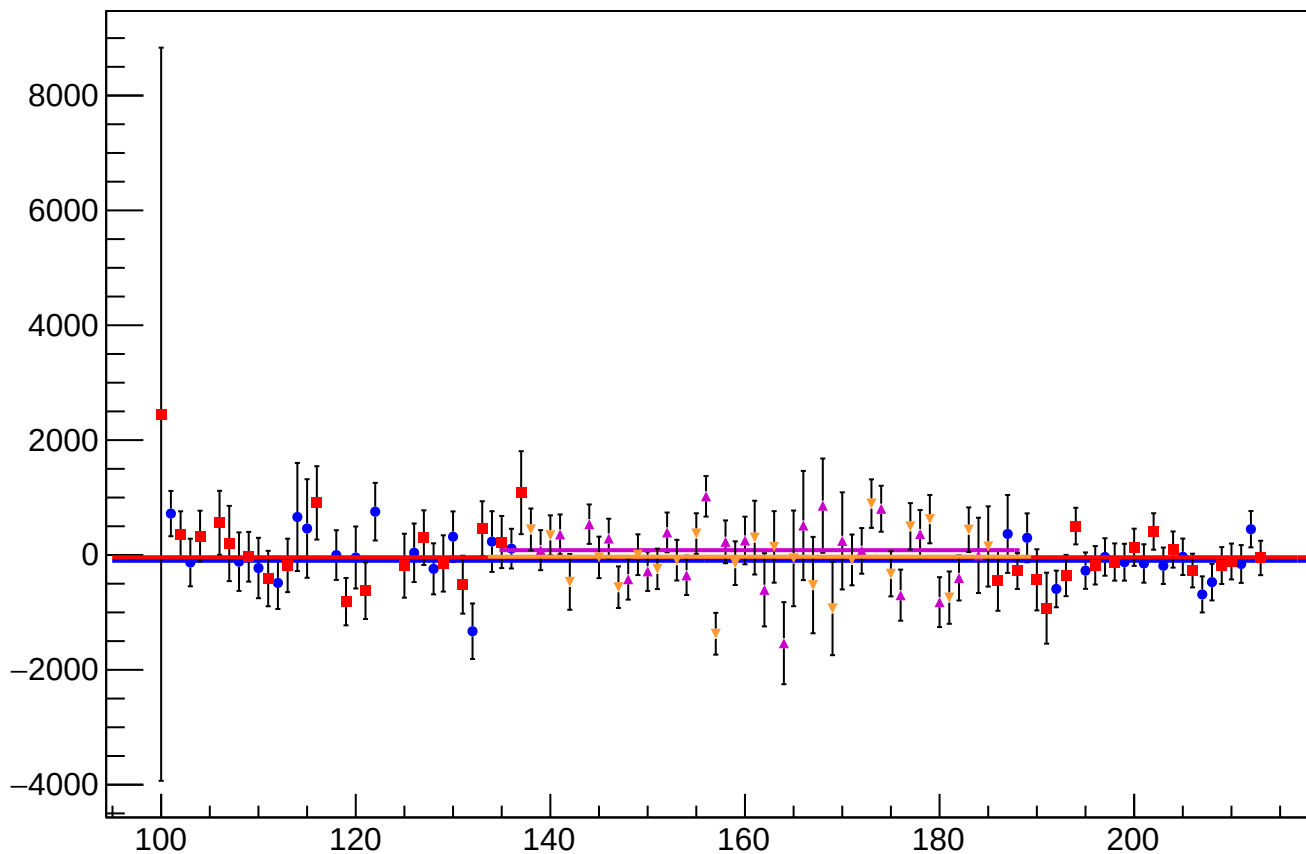
Left In: 74.601+/-0.013 χ^2/NDF : 713751.1/22

+ sign 57.523+/-0.007 χ^2/NDF : 5990488.6/53

All: 56.015+/-0.005 χ^2/NDF : 14015671.7/109

- sign 54.622+/-0.007 χ^2/NDF : 7940065.6/55

asym_dsl_mean vs Slug



Right In: -100.806 ± 73.558 χ^2/NDF : 29.6/28

Left Out: -29.346 ± 86.530 χ^2/NDF : 36.6/23

Right Out: -39.151 ± 70.963 χ^2/NDF : 27.3/32

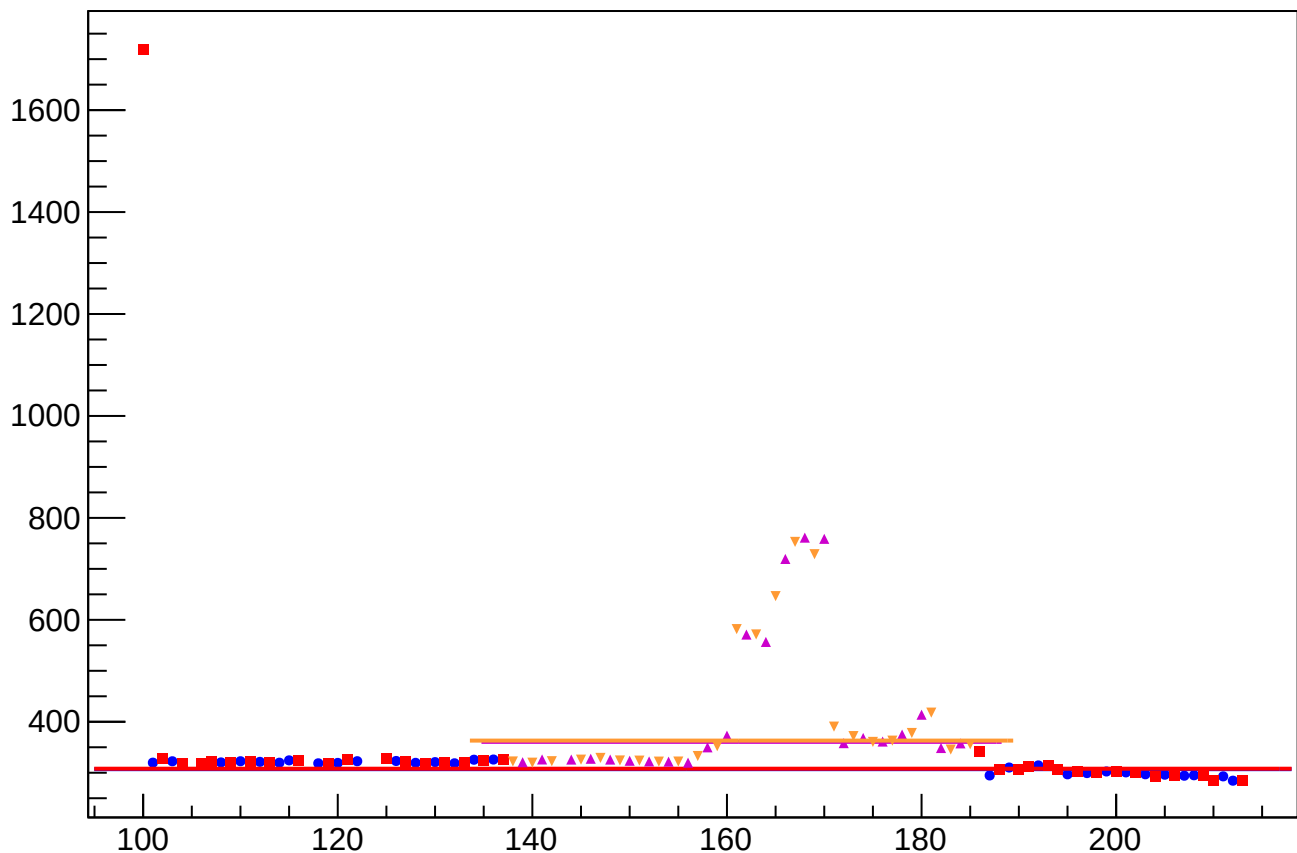
Left In: 83.719 ± 86.476 χ^2/NDF : 35.8/22

+ sign -70.828 ± 56.044 χ^2/NDF : 66.5/52

All: -29.399 ± 39.203 χ^2/NDF : 131.9/108

- sign 10.293 ± 54.857 χ^2/NDF : 64.3/55

asym_dsl_rms vs Slug



Right In: 307.024+/-0.052 χ^2/NDF : 61115.7/28

Left Out: 363.079+/-0.061 χ^2/NDF :1795570.0/23

Right Out: 307.918+/-0.050 χ^2/NDF : 173559.7/32

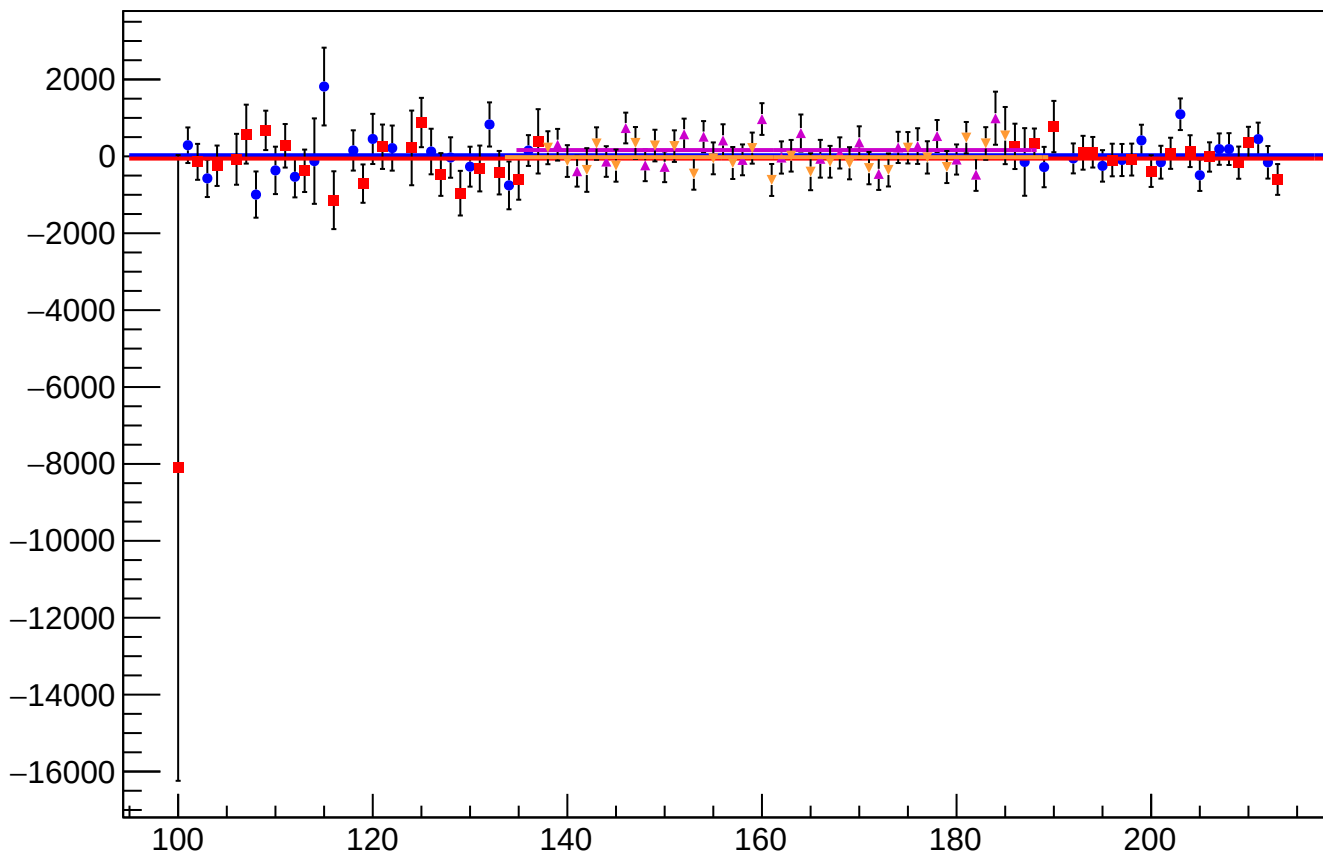
Left In: 360.585+/-0.061 χ^2/NDF :1817691.0/22

+ sign 330.539+/-0.040 χ^2/NDF : 2343908.2/52

All: 329.810 ± 0.028 $\chi^2/\text{NDF}: 4779150.9/108$

- sign 329.112+/-0.039 χ^2/NDF : 2434580.2/55

asym_dsr_mean vs Slug



Right In: 29.053 ± 91.299 χ^2/NDF : 25.8/28

Left Out: -21.061 ± 85.620 χ^2/NDF : 12.6/24

Right Out: -58.303 ± 88.157 χ^2/NDF : 22.7/32

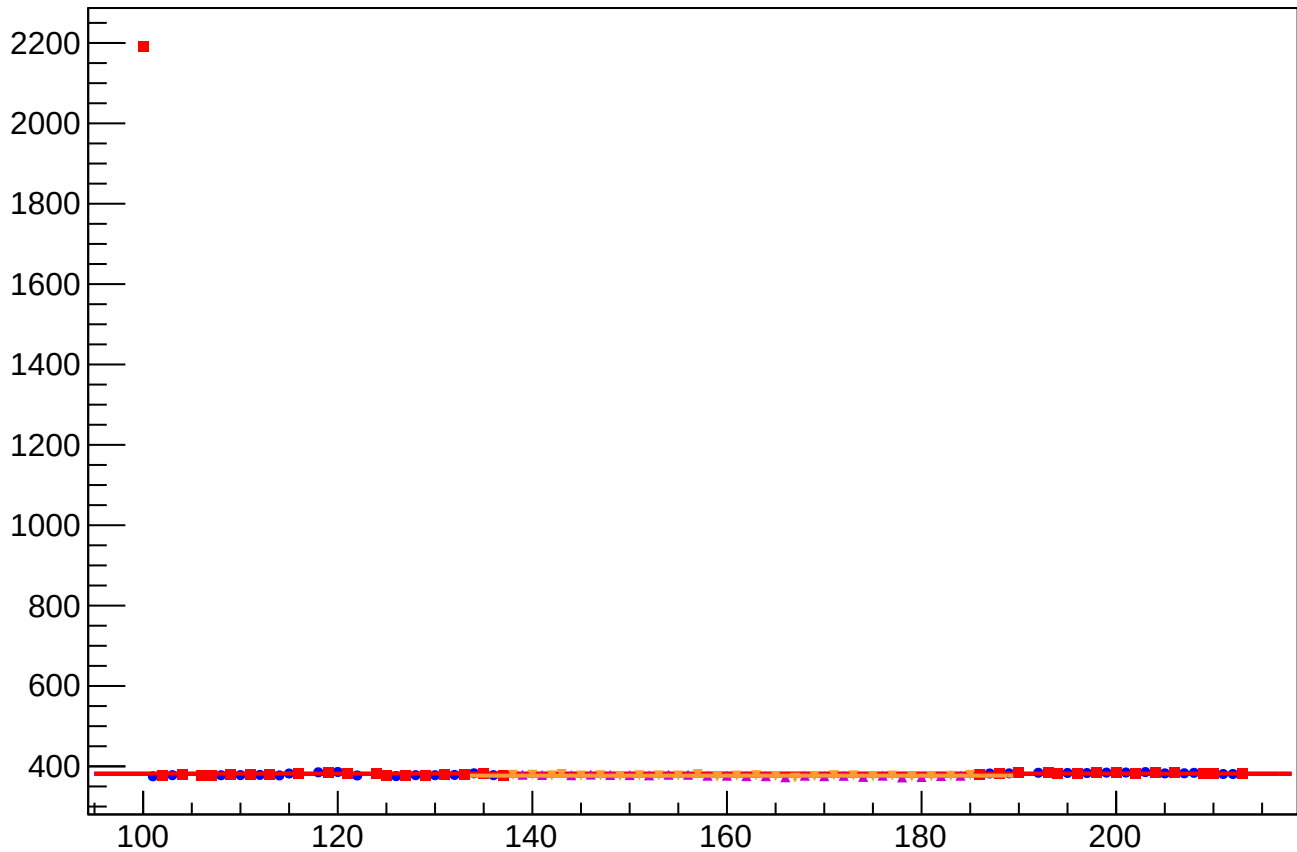
Left In: 162.992 ± 87.991 χ^2/NDF : 21.8/22

+ sign 2.389 ± 62.454 χ^2/NDF : 38.6/53

All: 27.541 ± 44.099 χ^2/NDF : 86.5/109

- sign 52.553 ± 62.278 χ^2/NDF : 47.6/55

asym_dsr_rms vs Slug



Right In: 381.462 $\pm$ 0.065 χ^2 /NDF: 2247.6/28

Left Out: 376.906 $\pm$ 0.061 χ^2 /NDF:1058.3/24

Right Out: 381.956 $\pm$ 0.062 χ^2 /NDF: 100695.3/32

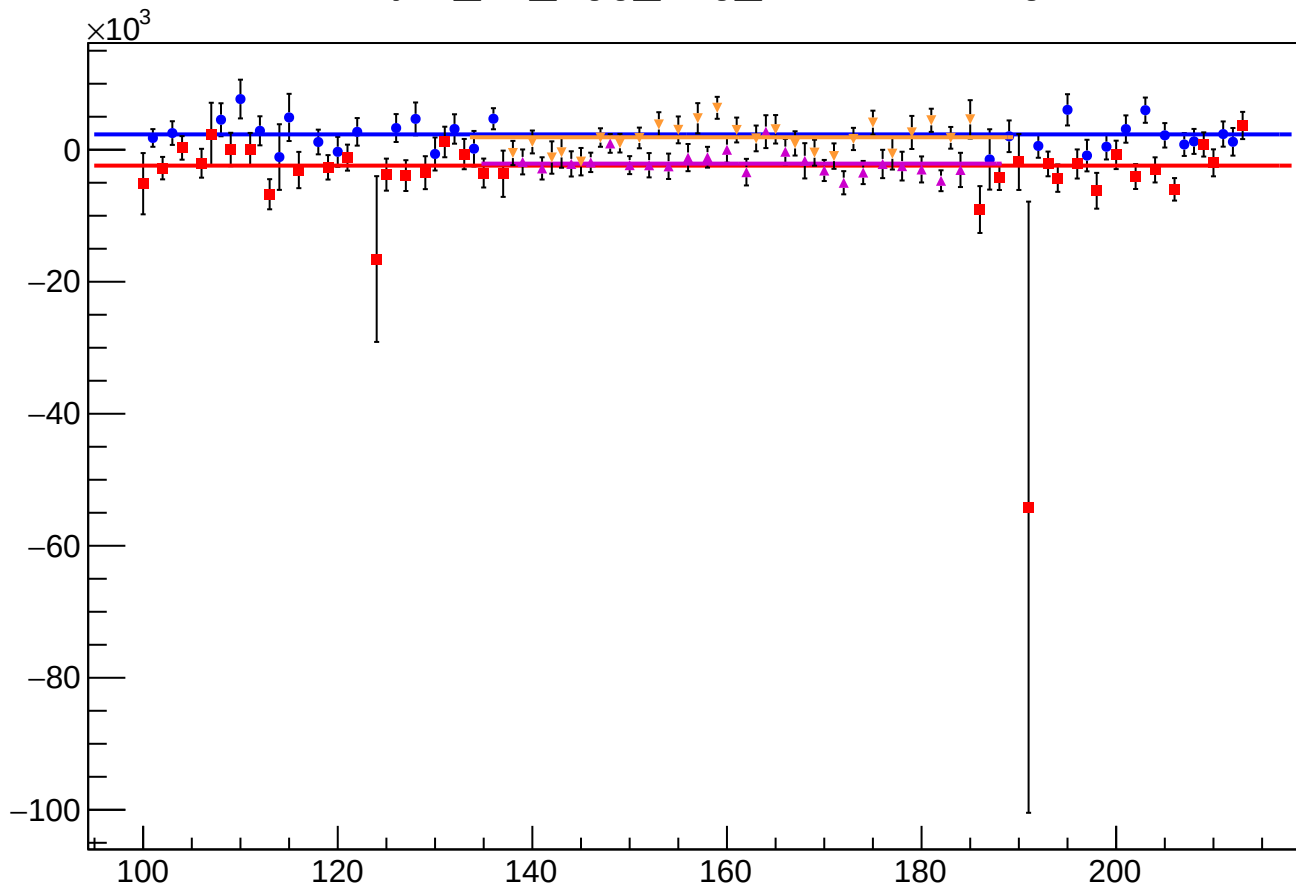
Left In: 376.846 $\pm$ 0.062 χ^2 /NDF:1074.1/22

+ sign 379.038 $\pm$ 0.044 χ^2 /NDF: 5955.6/53

All: 379.217 $\pm$ 0.031 χ^2 /NDF: 111124.0/109

- sign 379.396 $\pm$ 0.044 χ^2 /NDF: 105135.4/55

asym_us_agg_avg_mean vs Slug



Right In: 2325.287 $\pm$ 391.644 χ^2 /NDF: 24.7/28

Left Out: 1891.201 $\pm$ 375.290 χ^2 /NDF:28.4/24

Right Out: -2407.028 $\pm$ 392.361 χ^2 /NDF: 41.4/33

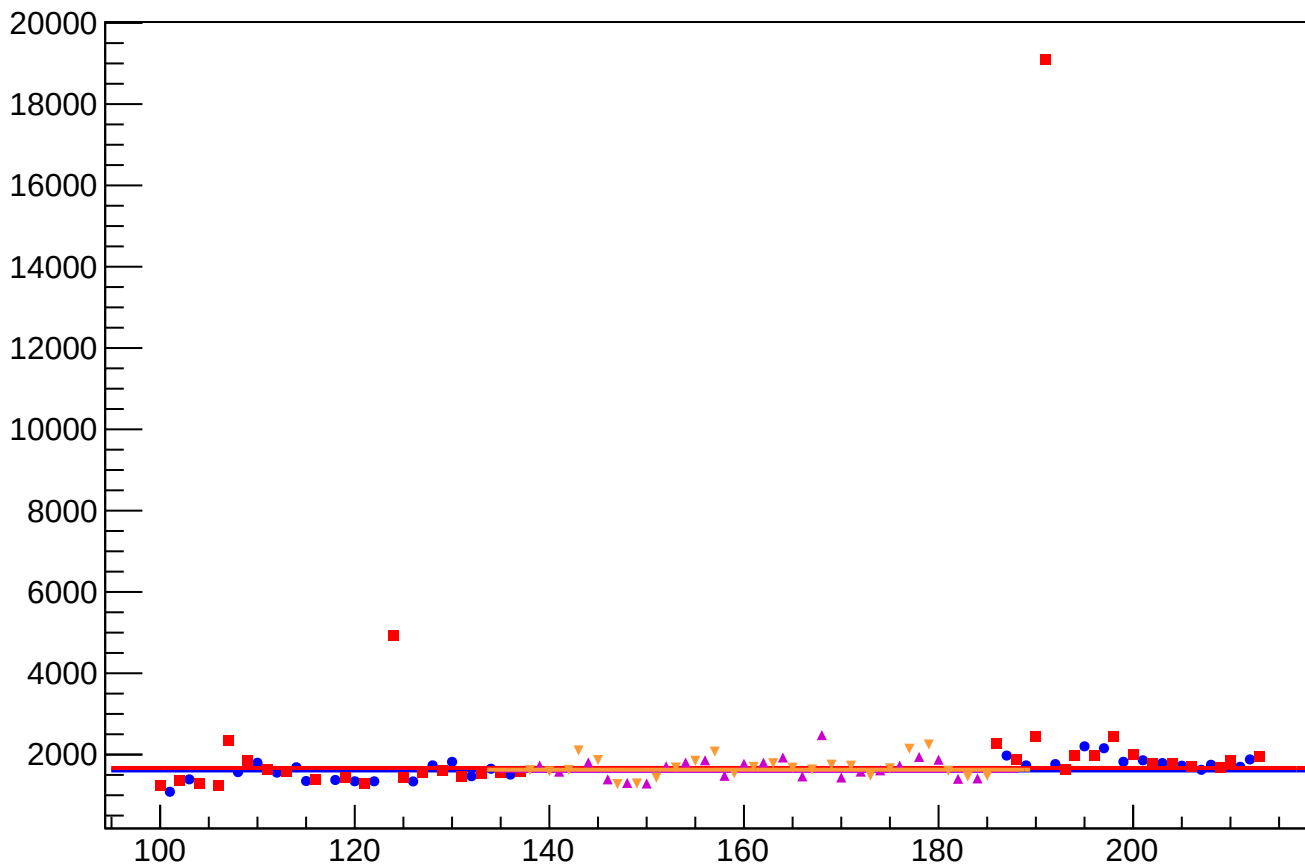
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF:18.6/22

+ sign 2098.992 $\pm$ 270.967 χ^2 /NDF: 53.7/53

All: -62.836 $\pm$ 192.182 χ^2 /NDF: 242.1/110

- sign -2251.019 $\pm$ 272.614 χ^2 /NDF: 60.3/56

asym_us_agg_avg_rms vs Slug



Right In: 1609.317 $\pm$ 0.277 χ^2 /NDF: 909242.3/28

Left Out: 1628.479 $\pm$ 0.265 χ^2 /NDF: 779094.7/24

Right Out: 1671.088 $\pm$ 0.277 χ^2 /NDF: 1420359.9/33

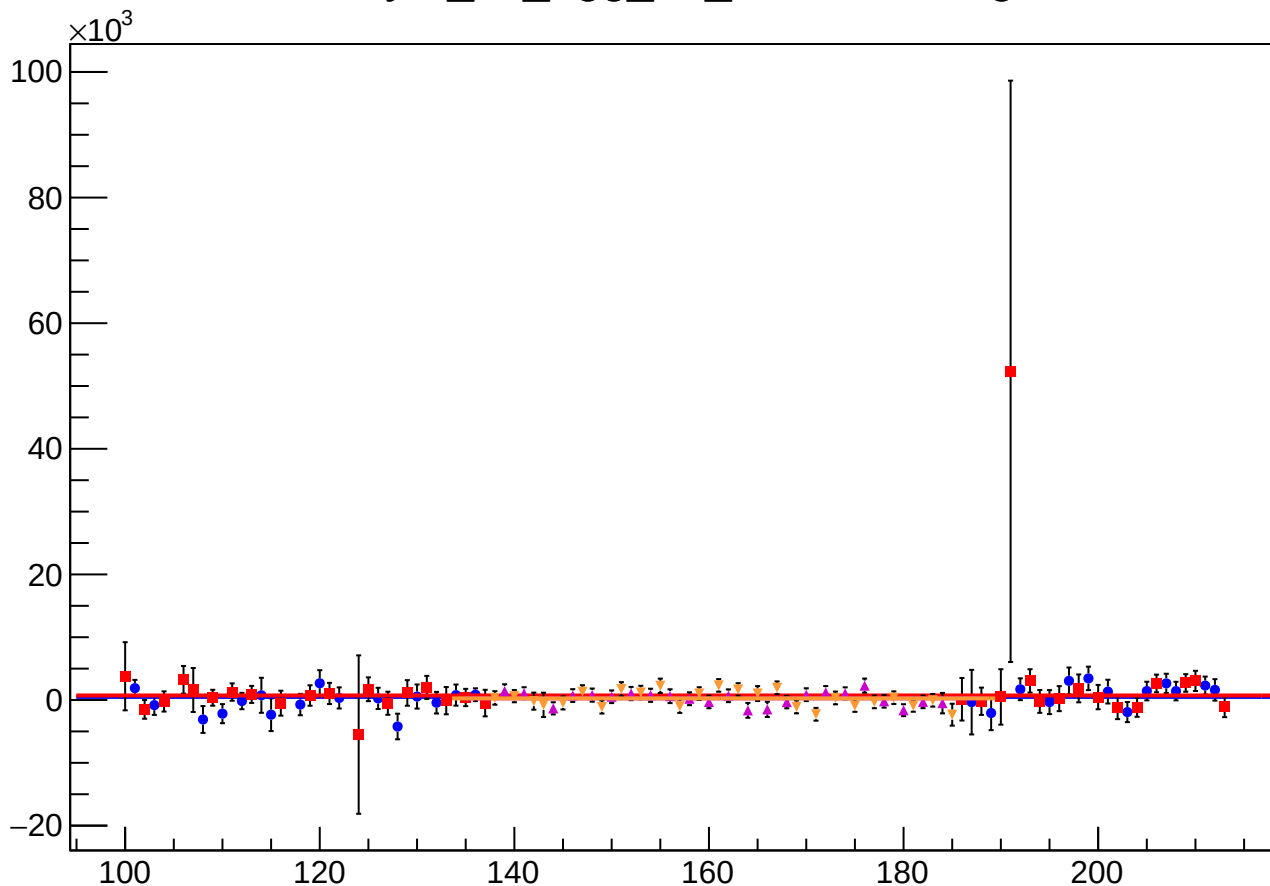
Left In: 1601.496 $\pm$ 0.268 χ^2 /NDF: 793722.6/22

+ sign 1619.306 $\pm$ 0.192 χ^2 /NDF: 1690832.9/53

All: 1627.151 $\pm$ 0.136 χ^2 /NDF: 3940833.0/11

- sign 1635.092 $\pm$ 0.193 χ^2 /NDF: 2246626.8/56

asym_us_agg_dd_mean vs Slug



Right In: 499.853+/-315.106 χ^2/NDF : 29.4/28

Left Out: 262.383+/-214.962 χ^2/NDF : 33.9/24

Right Out: 724.681+/-315.049 χ^2/NDF : 20.4/33

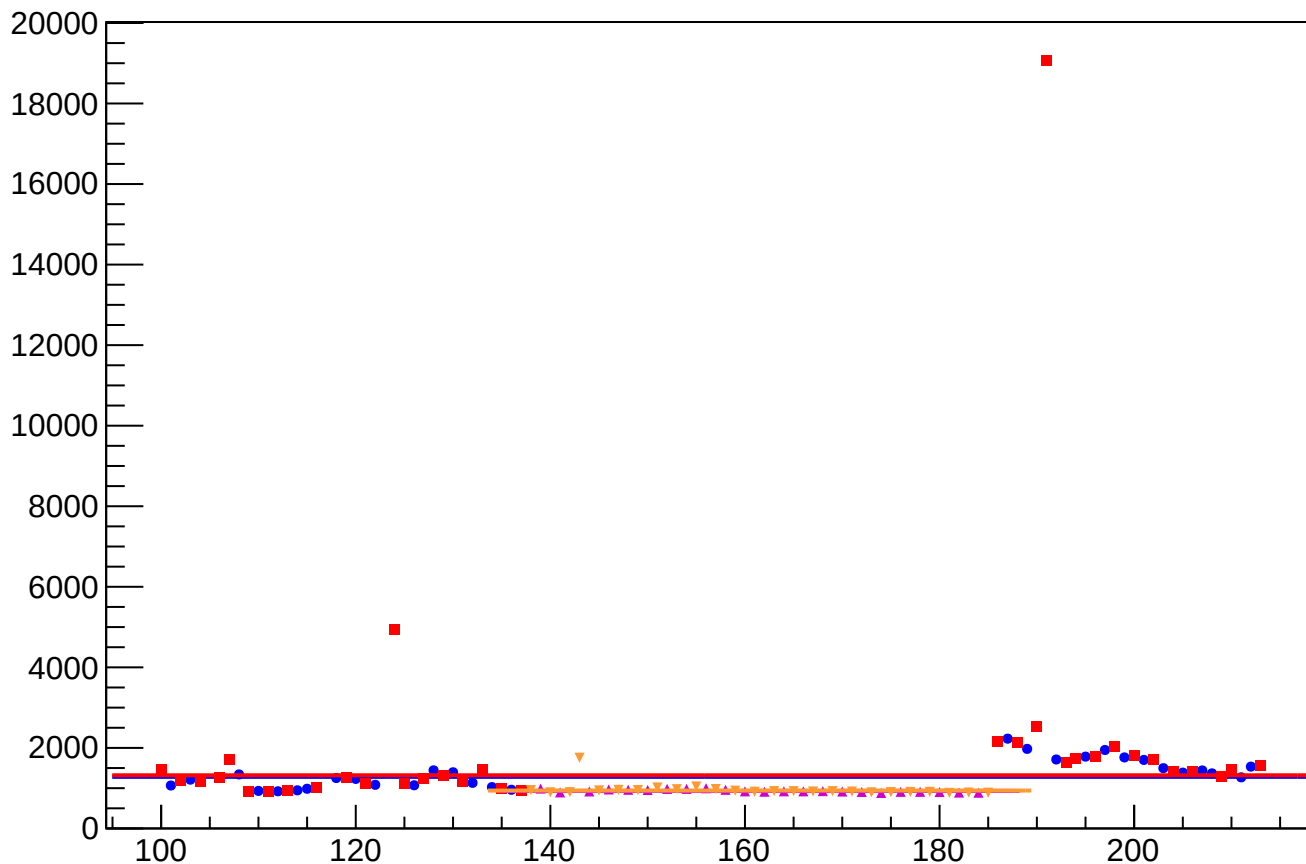
Left In: 267.059+/-217.685 χ^2/NDF : 21.4/22

+ sign 337.800+/-177.577 χ^2/NDF : 63.7/53

All: 376.041+/-126.098 χ^2/NDF : 106.9/110

- sign 414.937+/-179.092 χ^2/NDF : 43.1/56

asym_us_agg_dd_rms vs Slug



Right In: 1281.243+/-0.223 χ^2/NDF : 1713833.7/28

Left Out: 941.013+/-0.152 χ^2/NDF : 417710.2/24

Right Out: 1320.329+/-0.223 χ^2/NDF : 2698775.0/33

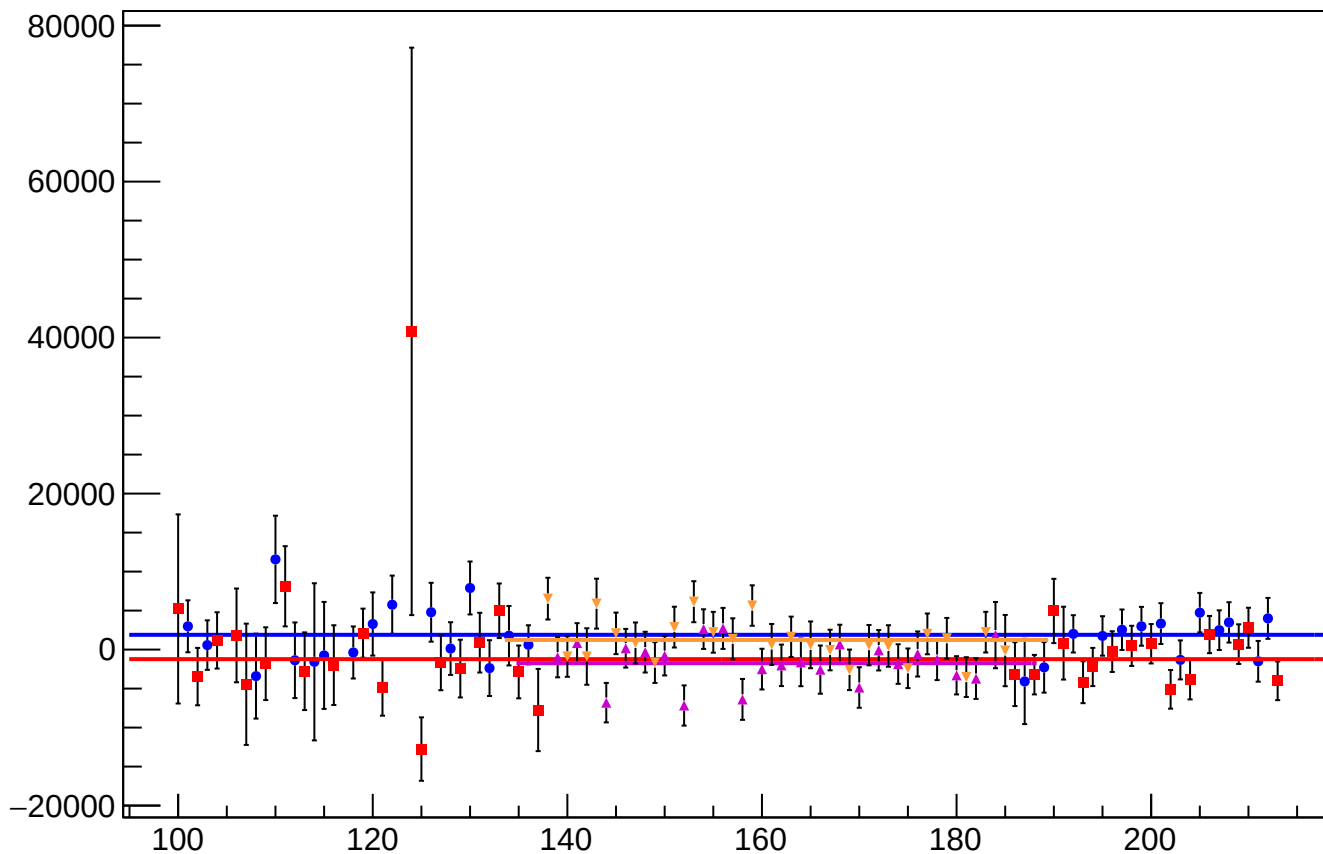
Left In: 931.562+/-0.154 χ^2/NDF : 48916.1/22

+ sign 1049.065+/-0.126 χ^2/NDF : 3722689.9/53

All: 1053.093+/-0.089 χ^2/NDF : 8533795.3/11

- sign 1057.190+/-0.127 χ^2/NDF : 4809029.6/56

reg_asym_atl1_mean vs Slug



Right In: 1894.150+/-584.240 χ^2/NDF : 21.3/28

Left Out: 1234.728+/-541.289 χ^2/NDF : 23.9/24

Right Out: -1225.757+/-570.233 χ^2/NDF : 37.2/33

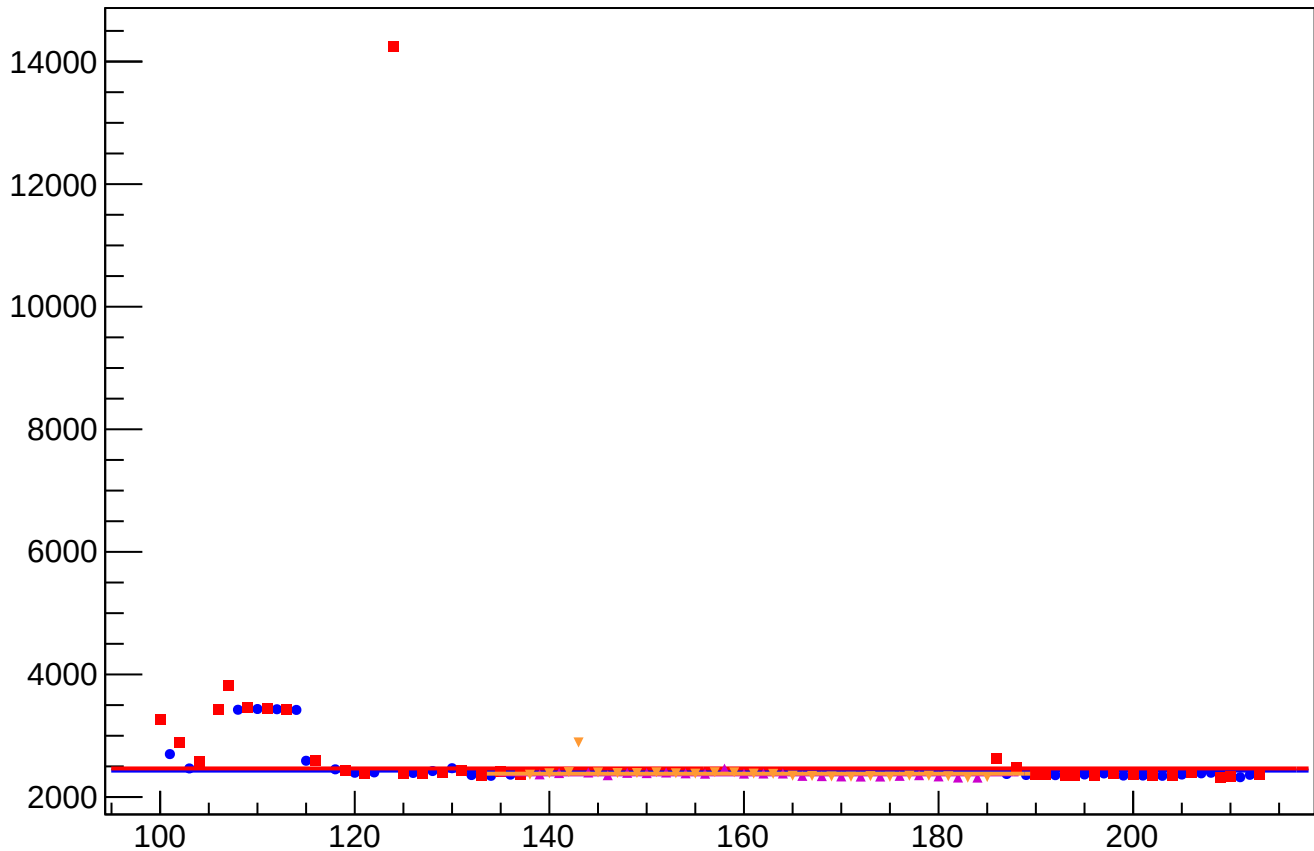
Left In: -1741.730+/-553.254 χ^2/NDF : 24.4/22

+ sign 1539.312+/-397.066 χ^2/NDF : 45.9/53

All: 23.926+/-280.772 χ^2/NDF : 137.1/110

- sign -1491.539+/-397.077 χ^2/NDF : 62.0/56

reg_asym_atl1_rms vs Slug



Right In: 2431.277+/-0.413 χ^2/NDF : 272166.8/28

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2466.459+/-0.403 χ^2/NDF : 650339.0/33

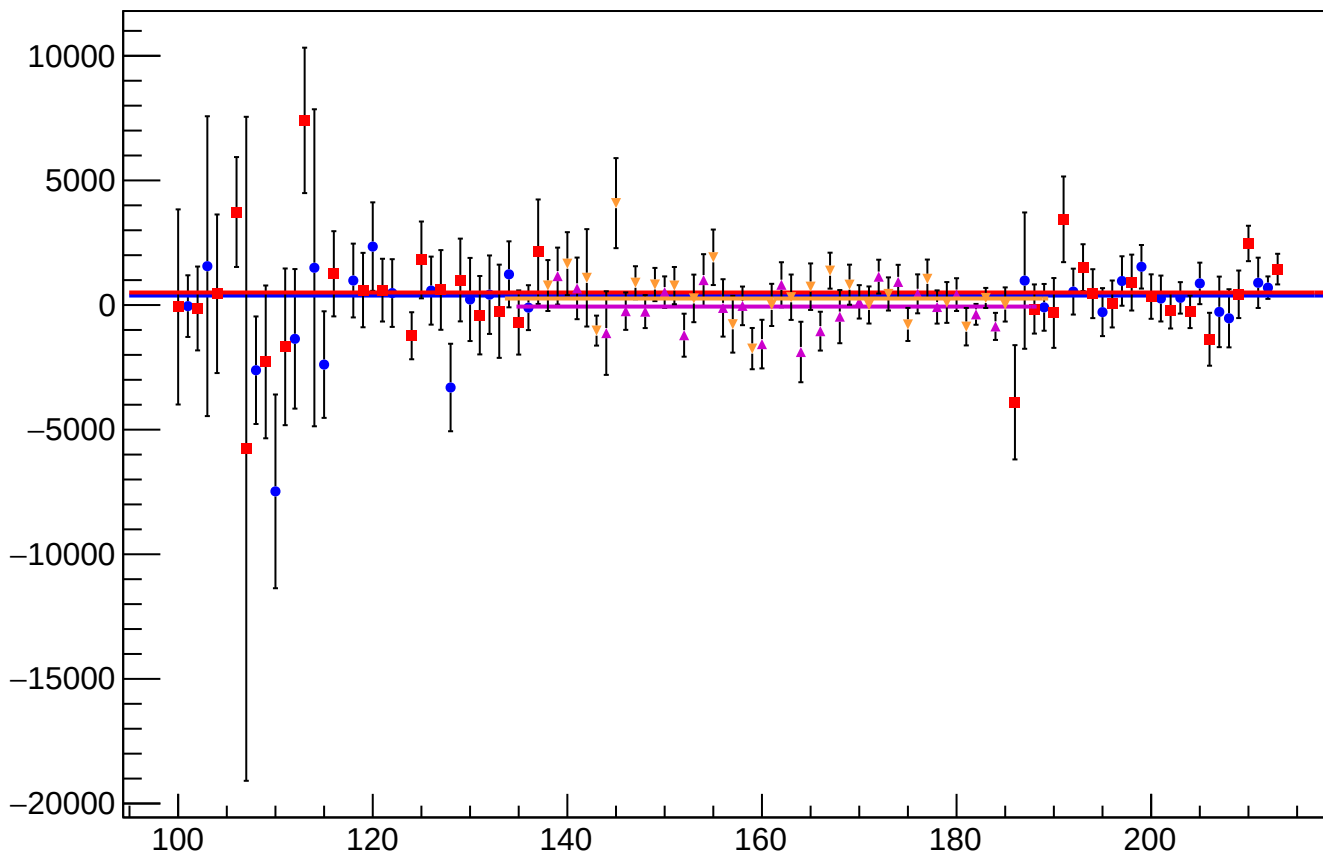
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2404.349+/-0.281 χ^2/NDF : 337685.3/53

All: 2410.402+/-0.199 χ^2/NDF : 1025844.0/11

- sign 2416.455+/-0.281 χ^2/NDF : 687229.2/56

asym_atl1_reg_correction_mean vs Slug



Right In: 380.866 $\pm$ 203.327 χ^2 /NDF: 19.7/28

Left Out: 261.877 $\pm$ 154.009 χ^2 /NDF:31.1/24

Right Out: 503.087 $\pm$ 201.383 χ^2 /NDF: 40.4/33

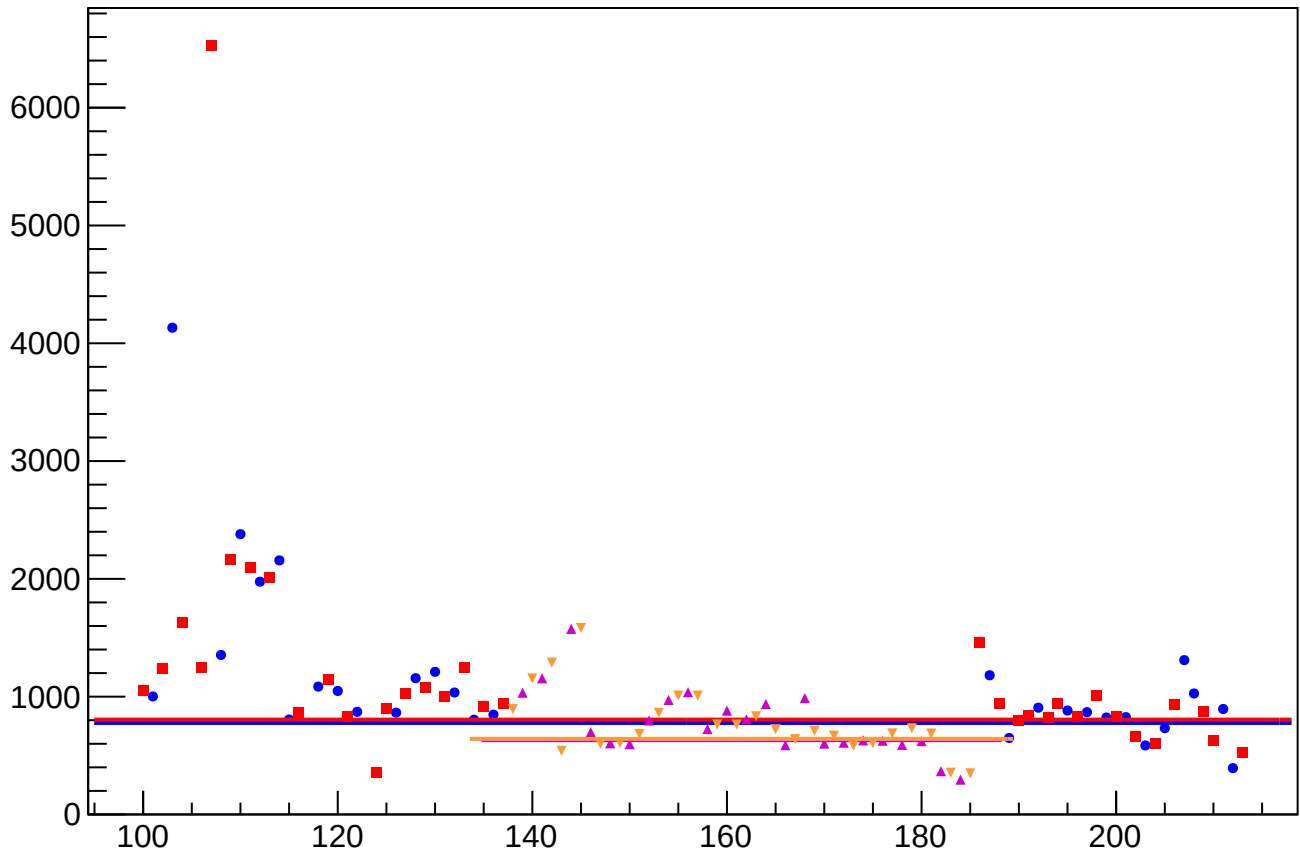
Left In: -61.960 $\pm$ 157.394 χ^2 /NDF:22.0/22

+ sign 305.256 $\pm$ 122.767 χ^2 /NDF: 51.0/53

All: 229.554 $\pm$ 87.246 χ^2 /NDF: 119.0/110

- sign 152.309 $\pm$ 124.011 χ^2 /NDF: 67.3/56

asym_atl1_reg_correction_rms vs Slug



Right In: 776.818 $\pm$ 0.144 χ^2 /NDF: 4290686.2/28

Left Out: 641.156 $\pm$ 0.109 χ^2 /NDF: 3474860.7/24

Right Out: 804.973 $\pm$ 0.142 χ^2 /NDF: 3784354.6/33

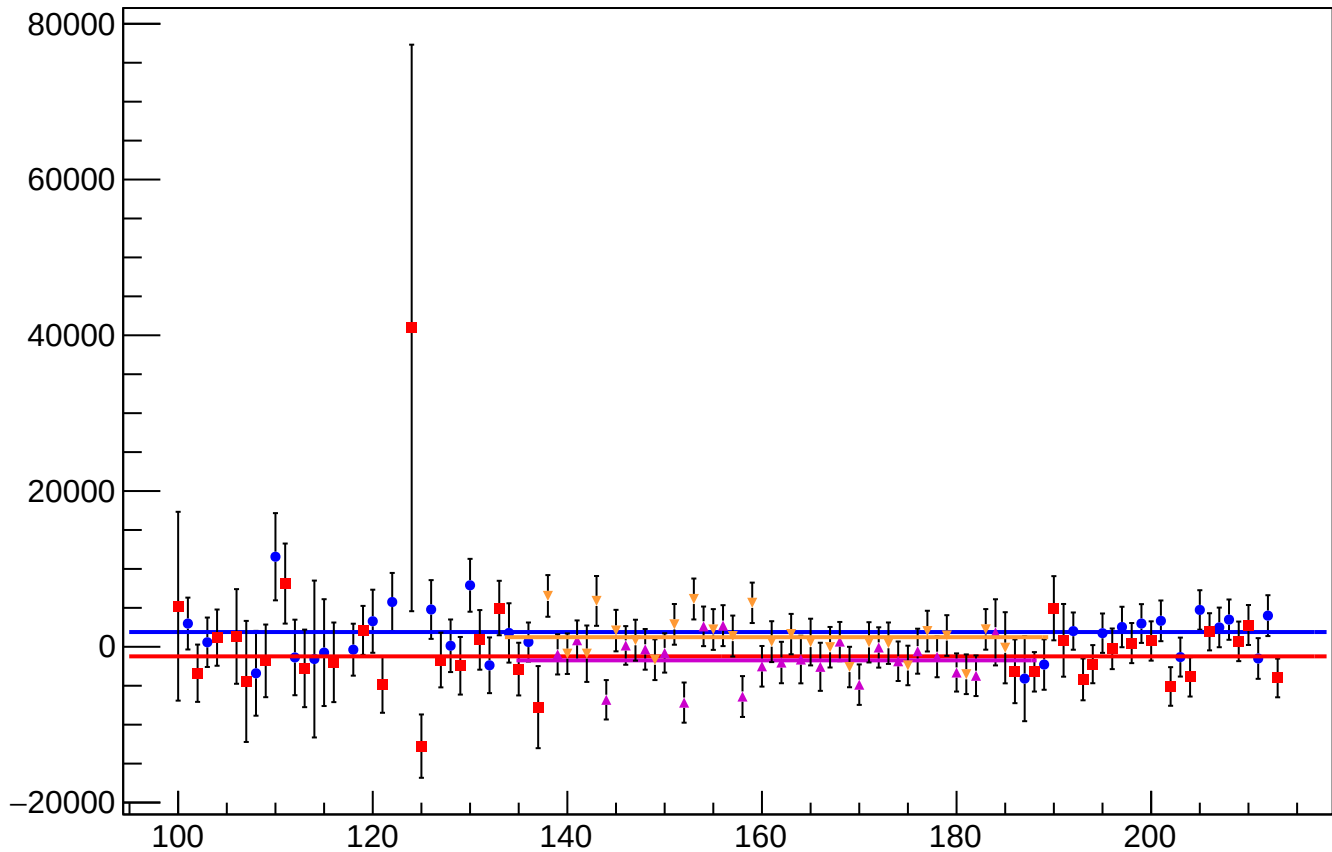
Left In: 631.199 $\pm$ 0.111 χ^2 /NDF: 3975438.6/22

+ sign 690.614 $\pm$ 0.087 χ^2 /NDF: 8331299.6/53

All: 693.822 $\pm$ 0.062 χ^2 /NDF: 17018338.4/11

- sign 697.095 $\pm$ 0.088 χ^2 /NDF: 8684280.2/56

cor_asym_atl1_mean vs Slug



Right In: 1894.405 $\pm$ 584.240 χ^2 /NDF: 21.3/28

Left Out: 1234.706 $\pm$ 541.289 χ^2 /NDF: 23.9/24

Right Out: -1228.994 $\pm$ 570.291 χ^2 /NDF: 37.1/33

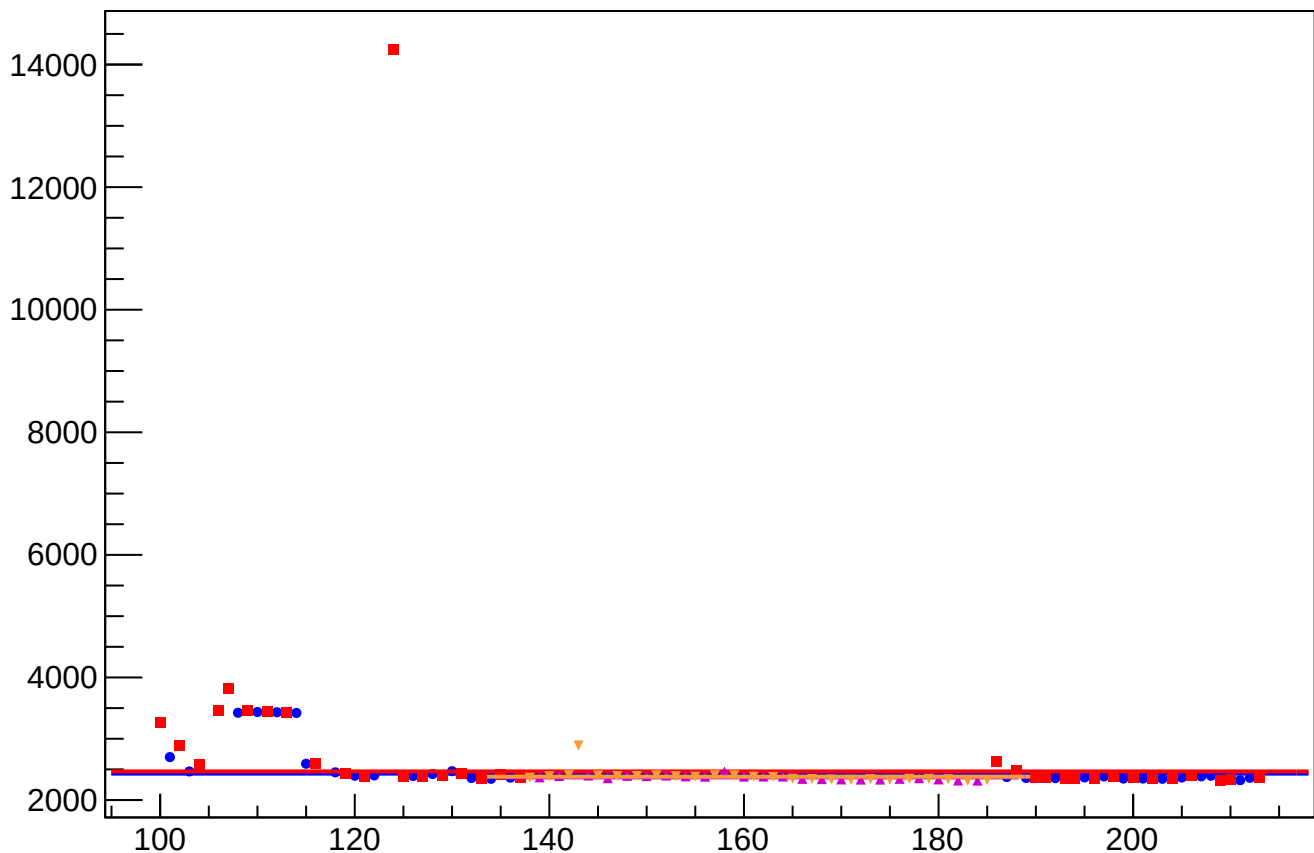
Left In: -1741.784 $\pm$ 553.254 χ^2 /NDF: 24.4/22

+ sign 1539.417 $\pm$ 397.066 χ^2 /NDF: 45.9/53

All: 23.242 $\pm$ 280.779 χ^2 /NDF: 137.0/110

- sign -1493.163 $\pm$ 397.096 χ^2 /NDF: 61.9/56

cor_asym_atl1_rms vs Slug



Right In: 2431.277+/-0.413 χ^2/NDF : 272166.8/28

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2466.608+/-0.403 χ^2/NDF : 653291.3/33

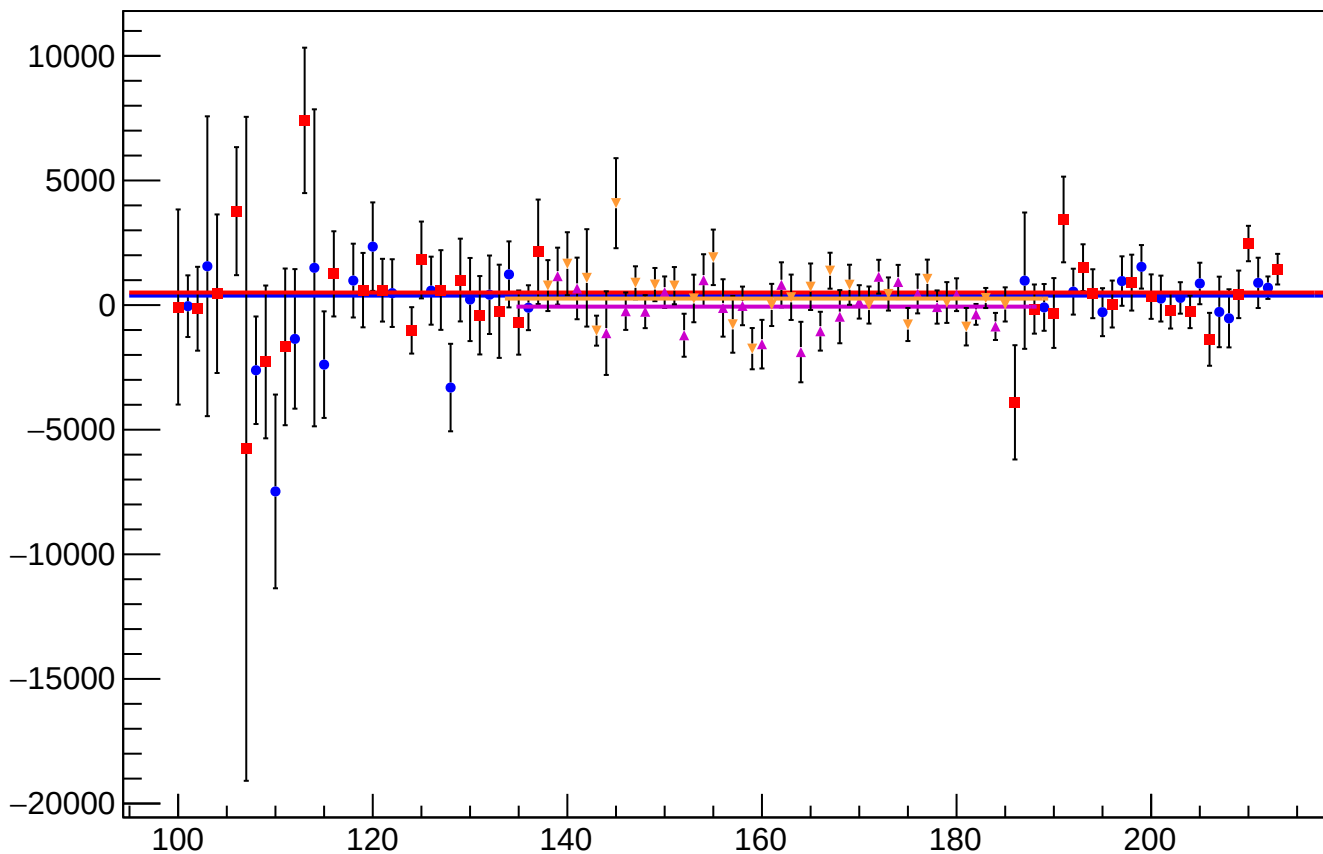
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2404.349+/-0.281 χ^2/NDF : 337685.4/53

All: 2410.435+/-0.199 χ^2/NDF : 1028895.6/11

- sign 2416.522+/-0.281 χ^2/NDF : 690270.5/56

asym_atl1_cor_correction_mean vs Slug



Right In: 380.831 ± 203.329 χ^2/NDF : 19.7/28

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 503.977 ± 201.481 χ^2/NDF : 39.1/33

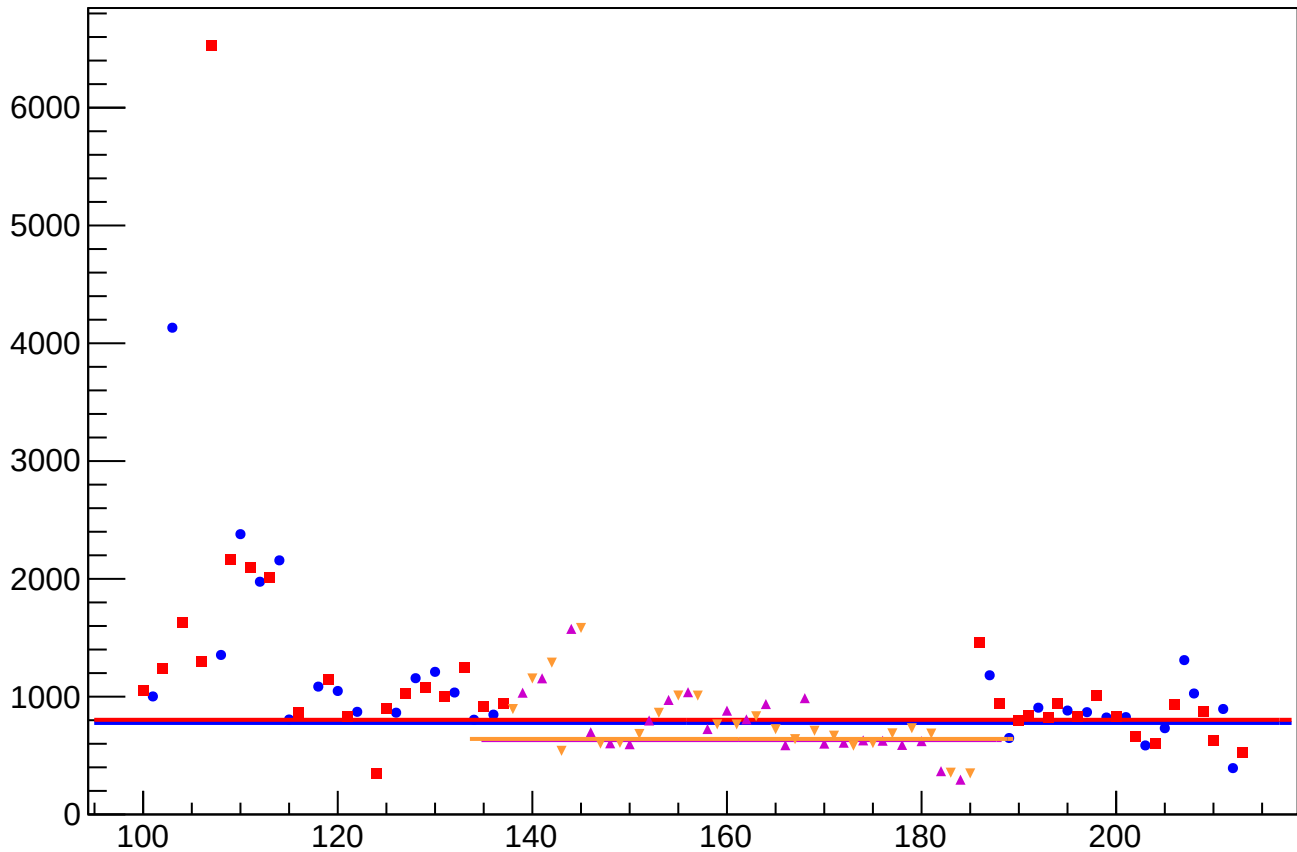
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 305.424 ± 122.769 χ^2/NDF : 51.0/53

All: 229.749 ± 87.254 χ^2/NDF : 117.8/110

- sign 152.507 ± 124.034 χ^2/NDF : 66.0/56

asym_atl1_cor_correction_rms vs Slug



Right In: 776.833 $\pm$ 0.144 χ^2 /NDF: 4290289.3/28

Left Out: 641.169 $\pm$ 0.109 χ^2 /NDF:3474589.1/24

Right Out: 803.524 $\pm$ 0.142 χ^2 /NDF: 3798546.7/33

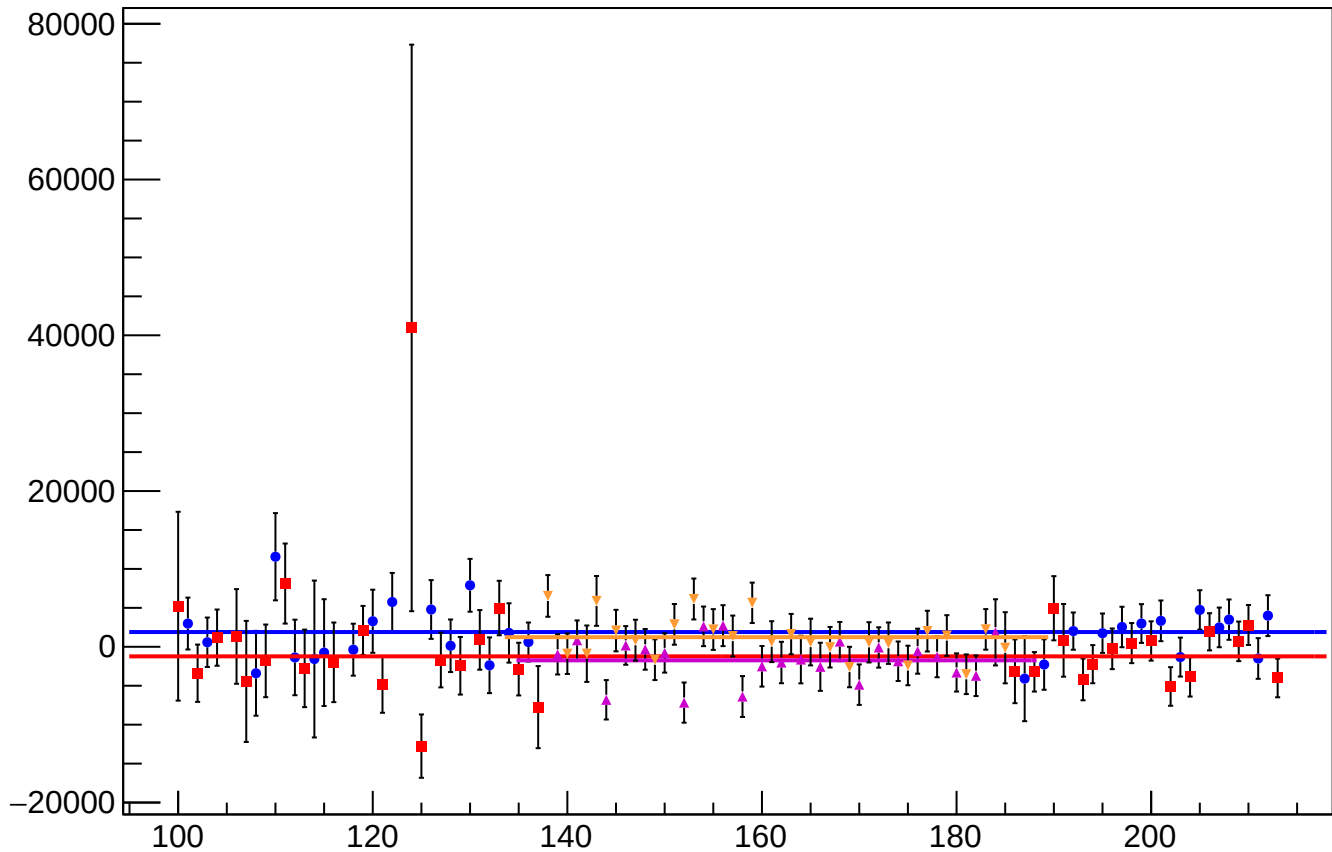
Left In: 631.196 $\pm$ 0.111 χ^2 /NDF:3975563.1/22

+ sign 690.628 $\pm$ 0.087 χ^2 /NDF: 8330630.3/53

All: 693.536 $\pm$ 0.062 χ^2 /NDF: 17015628.2/11

- sign 696.505 $\pm$ 0.088 χ^2 /NDF: 8682730.1/56

eigen_cor_asym_atl1_mean vs Slug



Right In: 1894.405 $\pm$ 584.240 χ^2 /NDF: 21.3/28

Left Out: 1234.706 $\pm$ 541.289 χ^2 /NDF: 23.9/24

Right Out: -1228.994 $\pm$ 570.291 χ^2 /NDF: 37.1/33

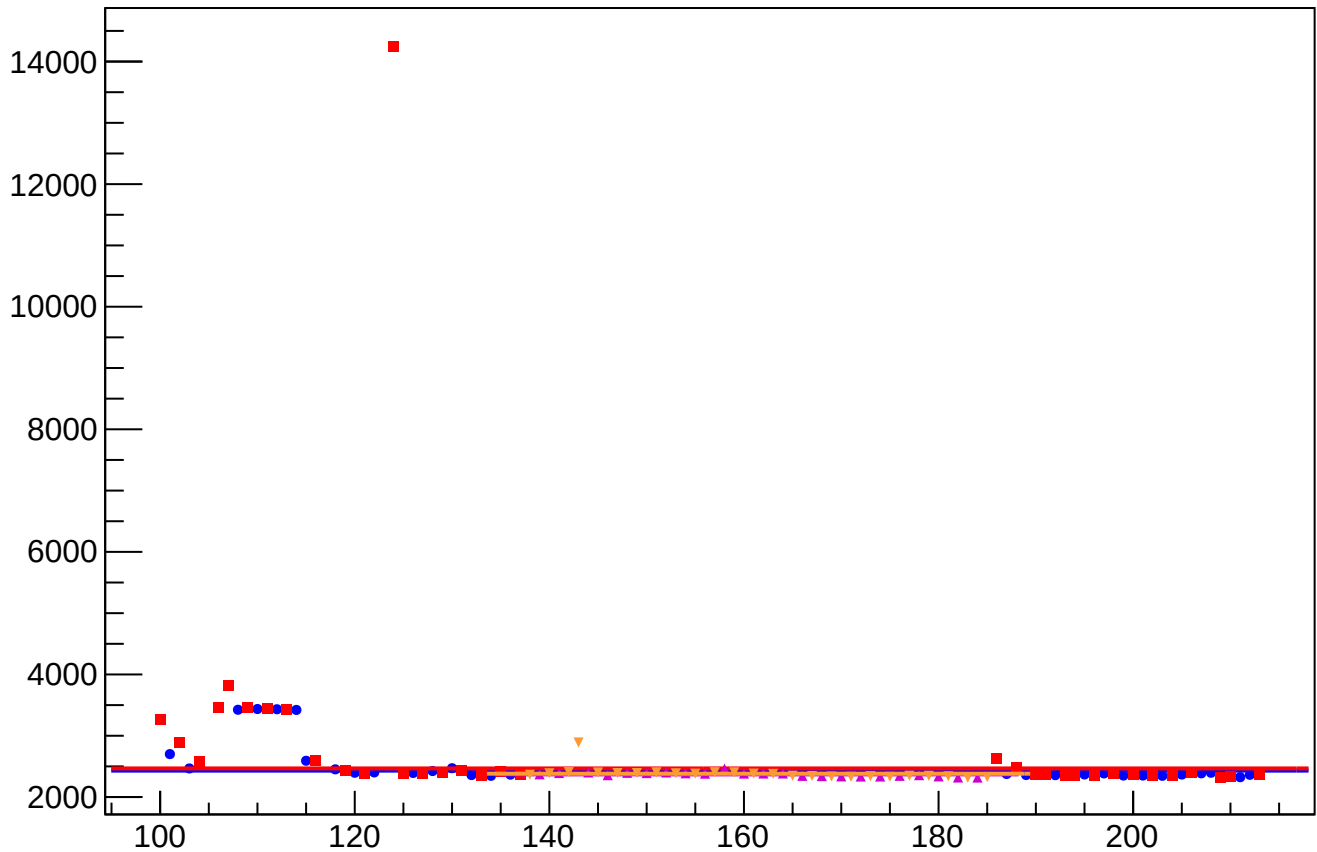
Left In: -1741.784 $\pm$ 553.254 χ^2 /NDF: 24.4/22

+ sign 1539.417 $\pm$ 397.066 χ^2 /NDF: 45.9/53

All: 23.242 $\pm$ 280.779 χ^2 /NDF: 137.0/110

- sign -1493.163 $\pm$ 397.096 χ^2 /NDF: 61.9/56

eigen_cor_asym_atl1_rms vs Slug



Right In: 2431.277+/-0.413 χ^2/NDF : 272166.8/28

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2466.608+/-0.403 χ^2/NDF : 653291.3/33

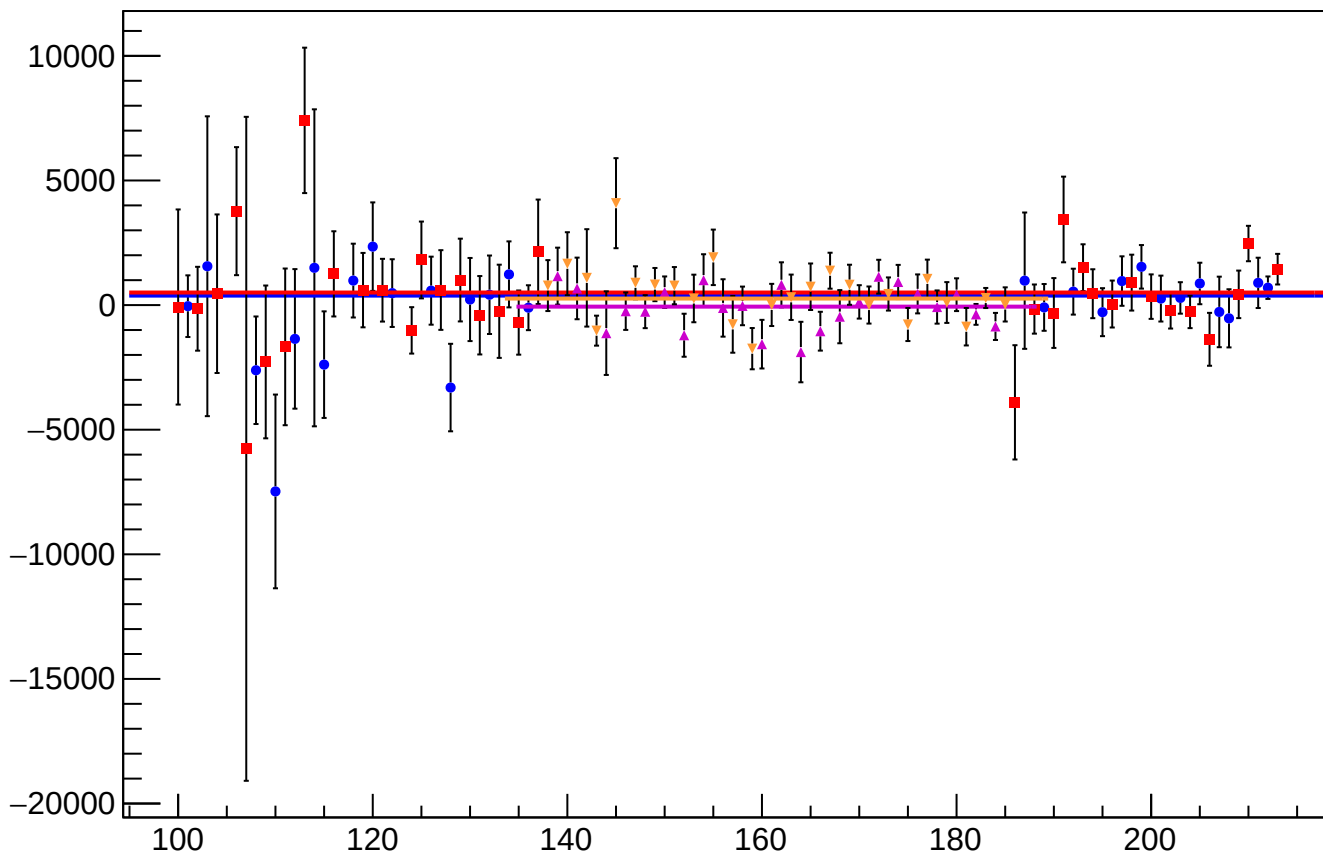
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2404.349+/-0.281 χ^2/NDF : 337685.4/53

All: 2410.435+/-0.199 χ^2/NDF : 1028895.6/11

- sign 2416.522+/-0.281 χ^2/NDF : 690270.5/56

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 380.831 ± 203.329 χ^2/NDF : 19.7/28

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 503.977 ± 201.481 χ^2/NDF : 39.1/33

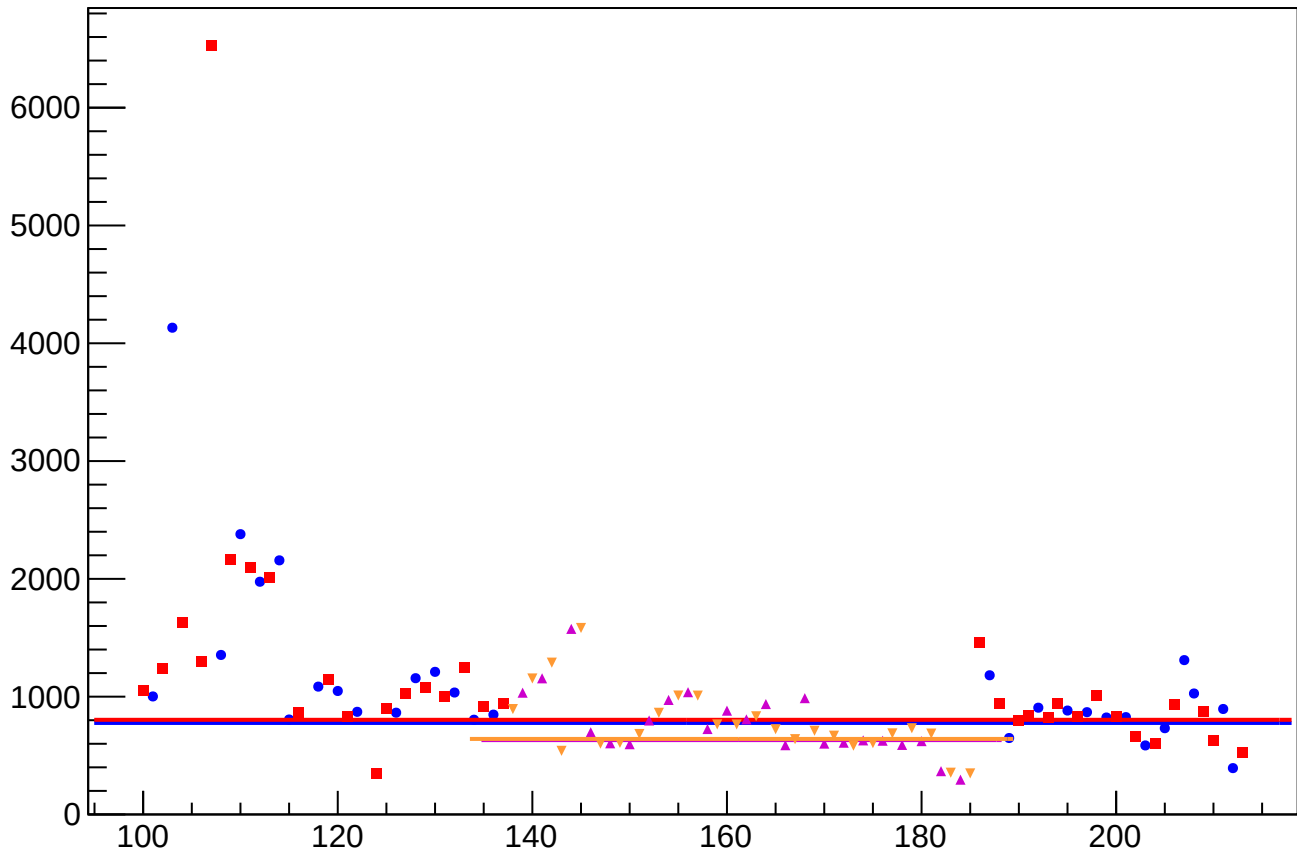
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 305.424 ± 122.769 χ^2/NDF : 51.0/53

All: 229.749 ± 87.254 χ^2/NDF : 117.8/110

- sign 152.507 ± 124.034 χ^2/NDF : 66.0/56

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 776.833 $\pm$ 0.144 χ^2 /NDF: 4290289.3/28

Left Out: 641.169 $\pm$ 0.109 χ^2 /NDF:3474589.1/24

Right Out: 803.524 $\pm$ 0.142 χ^2 /NDF: 3798546.7/33

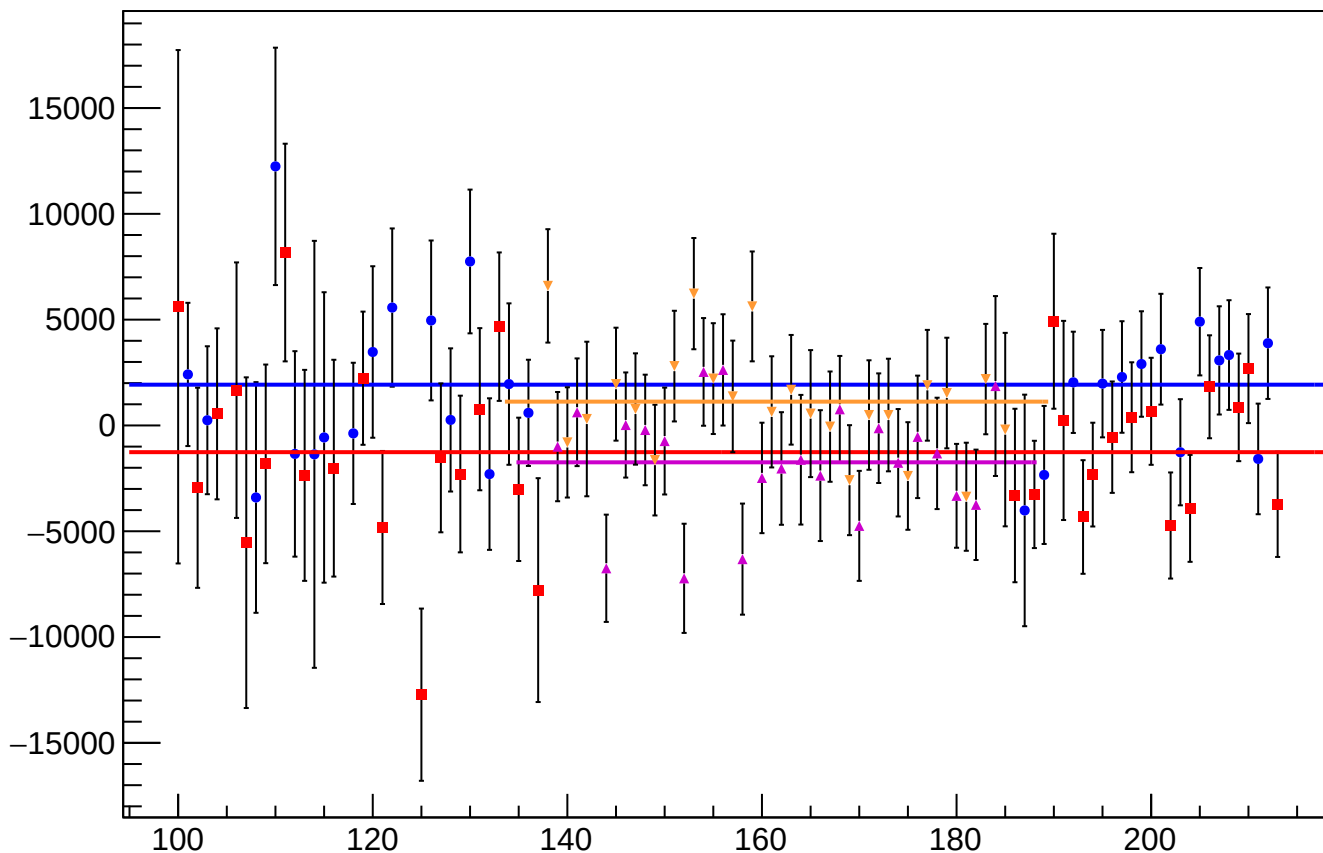
Left In: 631.196 $\pm$ 0.111 χ^2 /NDF:3975563.1/22

+ sign 690.628 $\pm$ 0.087 χ^2 /NDF: 8330630.3/53

All: 693.536 $\pm$ 0.062 χ^2 /NDF: 17015628.2/11

- sign 696.505 $\pm$ 0.088 χ^2 /NDF: 8682730.1/56

dit_asym_atl1_mean vs Slug



Right In: 1926.444 ± 587.787 χ^2/NDF : 21.7/28

Left Out: 1125.562 ± 549.834 χ^2/NDF : 21.2/23

Right Out: -1262.253 ± 576.728 χ^2/NDF : 34.2/32

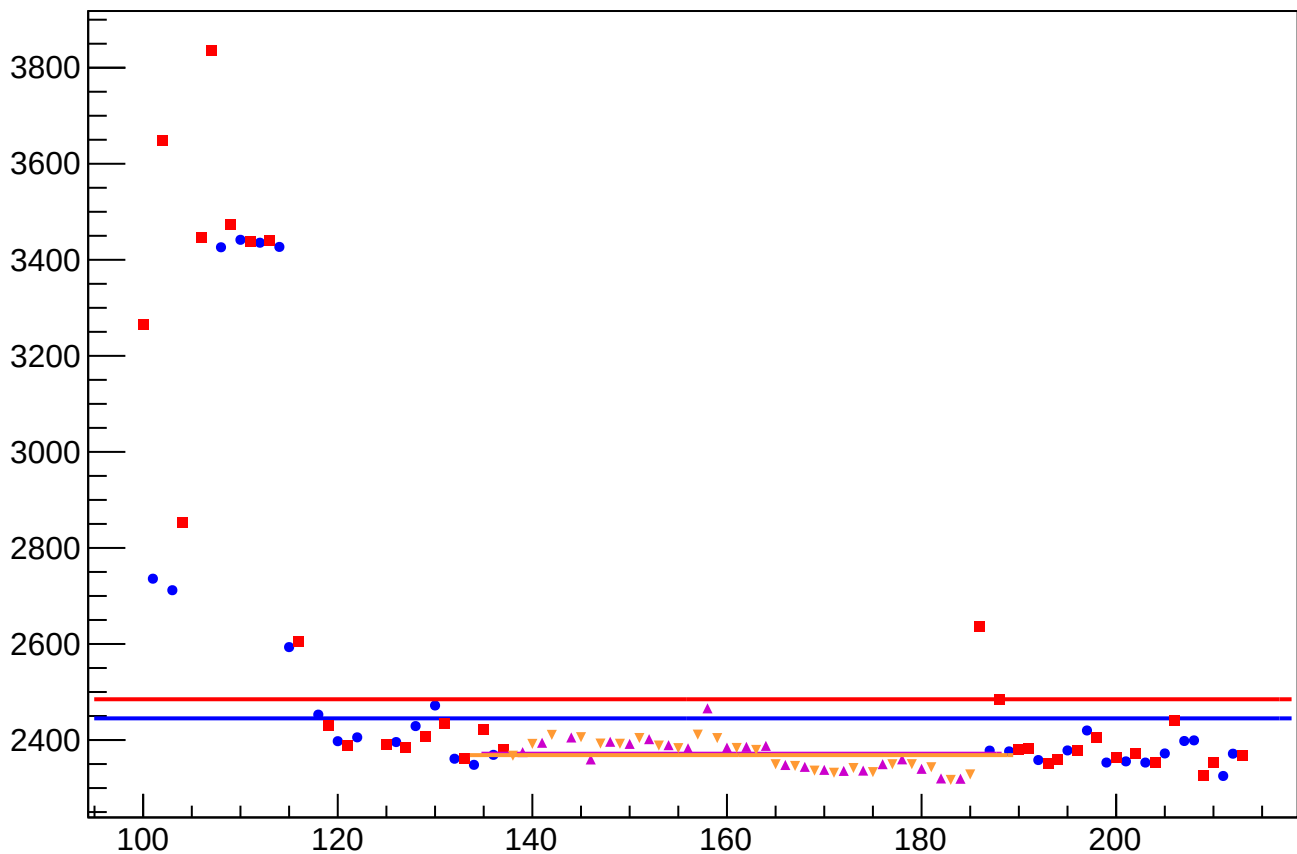
Left In: -1742.304 ± 553.755 χ^2/NDF : 23.8/22

+ sign 1499.313 ± 401.539 χ^2/NDF : 43.9/52

All: -14.254 ± 283.185 χ^2/NDF : 130.5/108

- sign -1512.030 ± 399.439 χ^2/NDF : 58.3/55

dit_asym_atl1_rms vs Slug



Right In: 2445.115 $\pm$ 0.416 χ^2 /NDF: 284589.7/28

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2484.886 $\pm$ 0.408 χ^2 /NDF: 551115.7/32

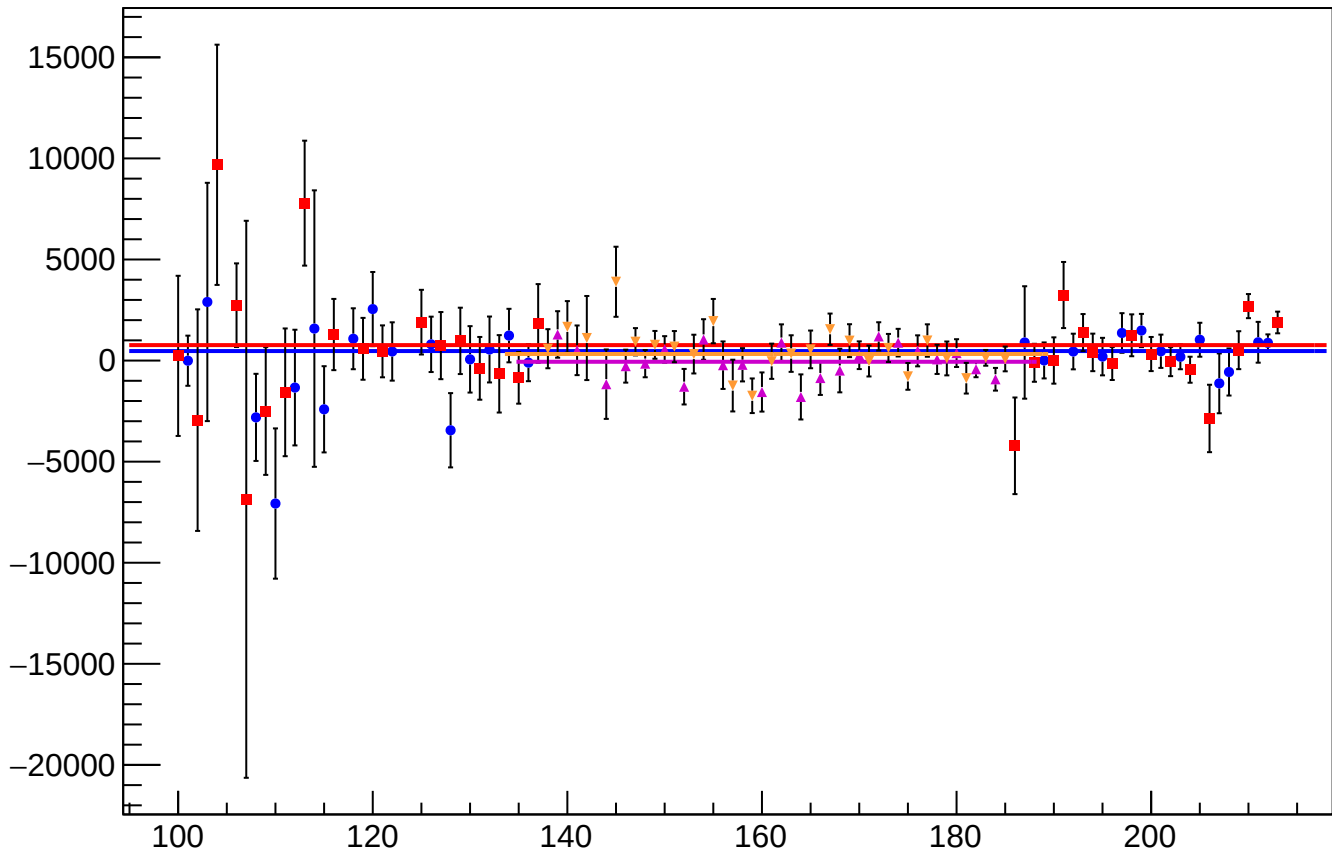
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2404.291 $\pm$ 0.284 χ^2 /NDF: 308250.4/52

All: 2415.152 $\pm$ 0.200 χ^2 /NDF: 909540.3/108

- sign 2425.899 $\pm$ 0.282 χ^2 /NDF: 598378.8/55

asym_atl1_dit_correction_mean vs Slug



Right In: 470.774 $\pm$ 197.619 χ^2 /NDF: 22.3/28

Left Out: 325.955 $\pm$ 160.041 χ^2 /NDF:26.8/23

Right Out: 764.819 $\pm$ 198.055 χ^2 /NDF: 49.2/32

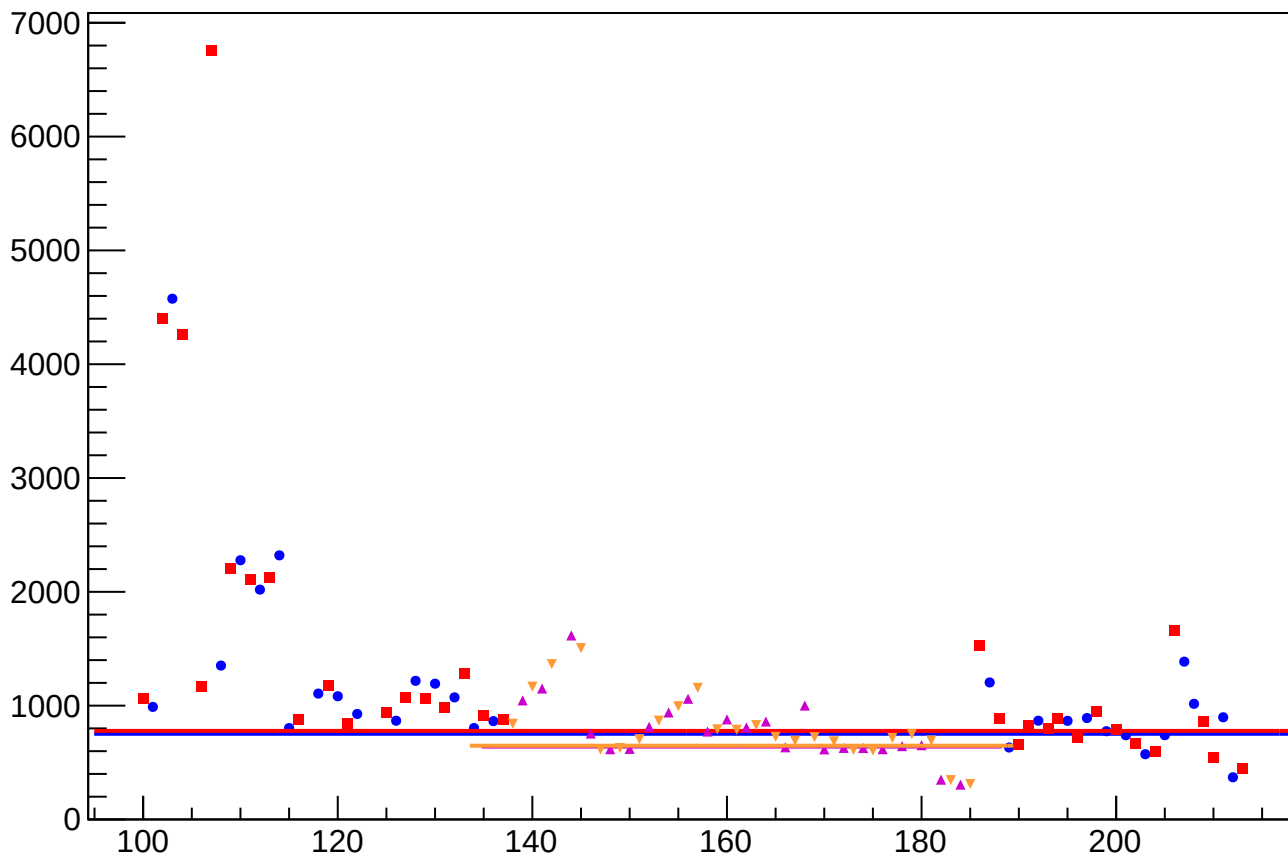
Left In: -59.619 $\pm$ 159.669 χ^2 /NDF:22.7/22

+ sign 383.315 $\pm$ 124.372 χ^2 /NDF: 49.4/52

All: 324.196 $\pm$ 87.920 χ^2 /NDF: 132.3/108

- sign 265.141 $\pm$ 124.305 χ^2 /NDF: 82.4/55

asym_atl1_dit_correction_rms vs Slug



Right In: 752.927+/-0.140 χ^2/NDF : 5028766.7/28

Left Out: 648.100+/-0.113 χ^2/NDF : 3886991.8/23

Right Out: 778.003+/-0.140 χ^2/NDF : 5863377.0/32

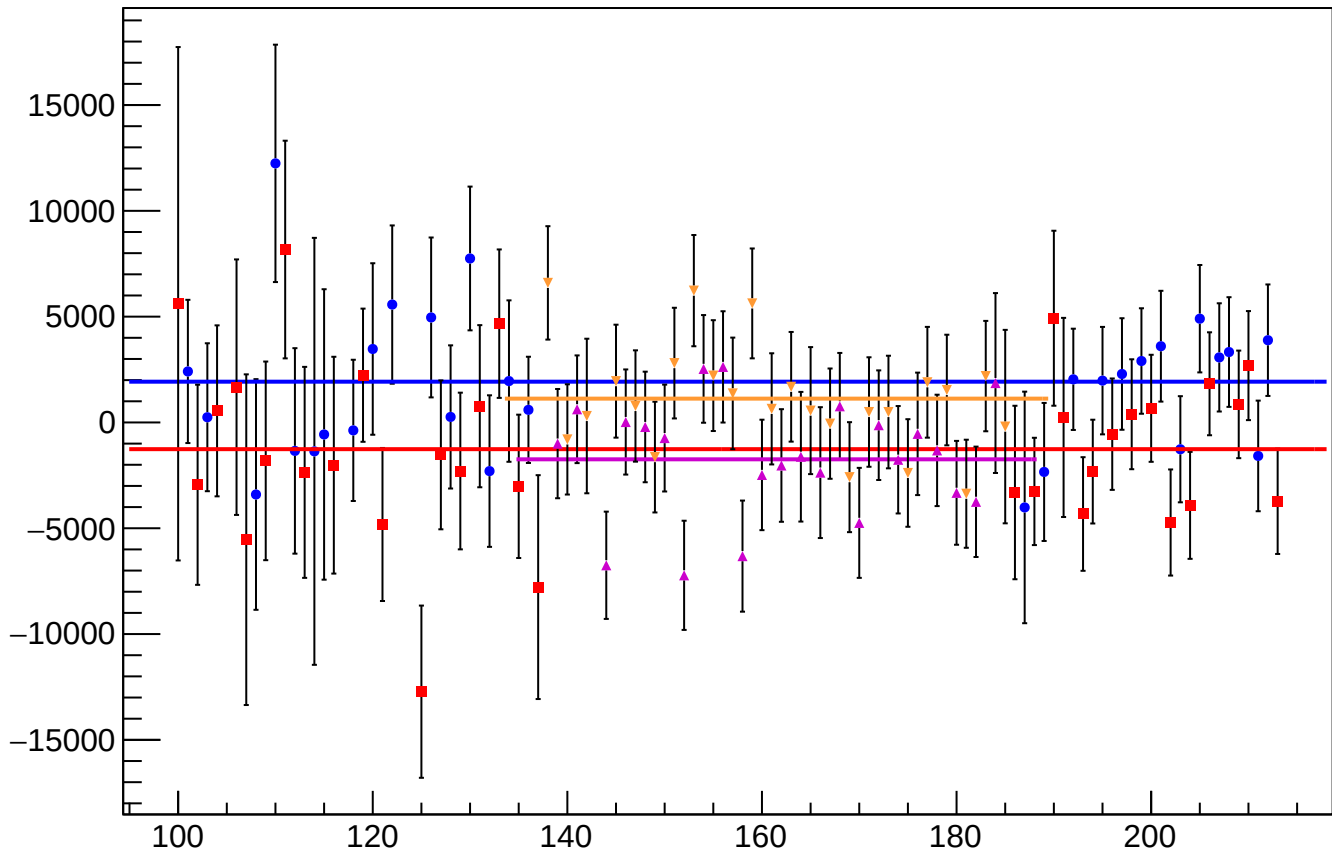
Left In: 640.422+/-0.113 χ^2/NDF : 4128760.4/22

+ sign 689.620+/-0.088 χ^2/NDF : 9255613.3/52

All: 692.120+/-0.062 χ^2/NDF : 19834306.3/100

- sign 694.618+/-0.088 χ^2/NDF : 10577077.7/55

eigen_dit_asym_atl1_mean vs Slug



Right In: 1926.441 $\pm$ 587.787 χ^2 /NDF: 21.7/28

Left Out: 1125.562 $\pm$ 549.834 χ^2 /NDF: 21.2/23

Right Out: -1262.253 $\pm$ 576.728 χ^2 /NDF: 34.2/32

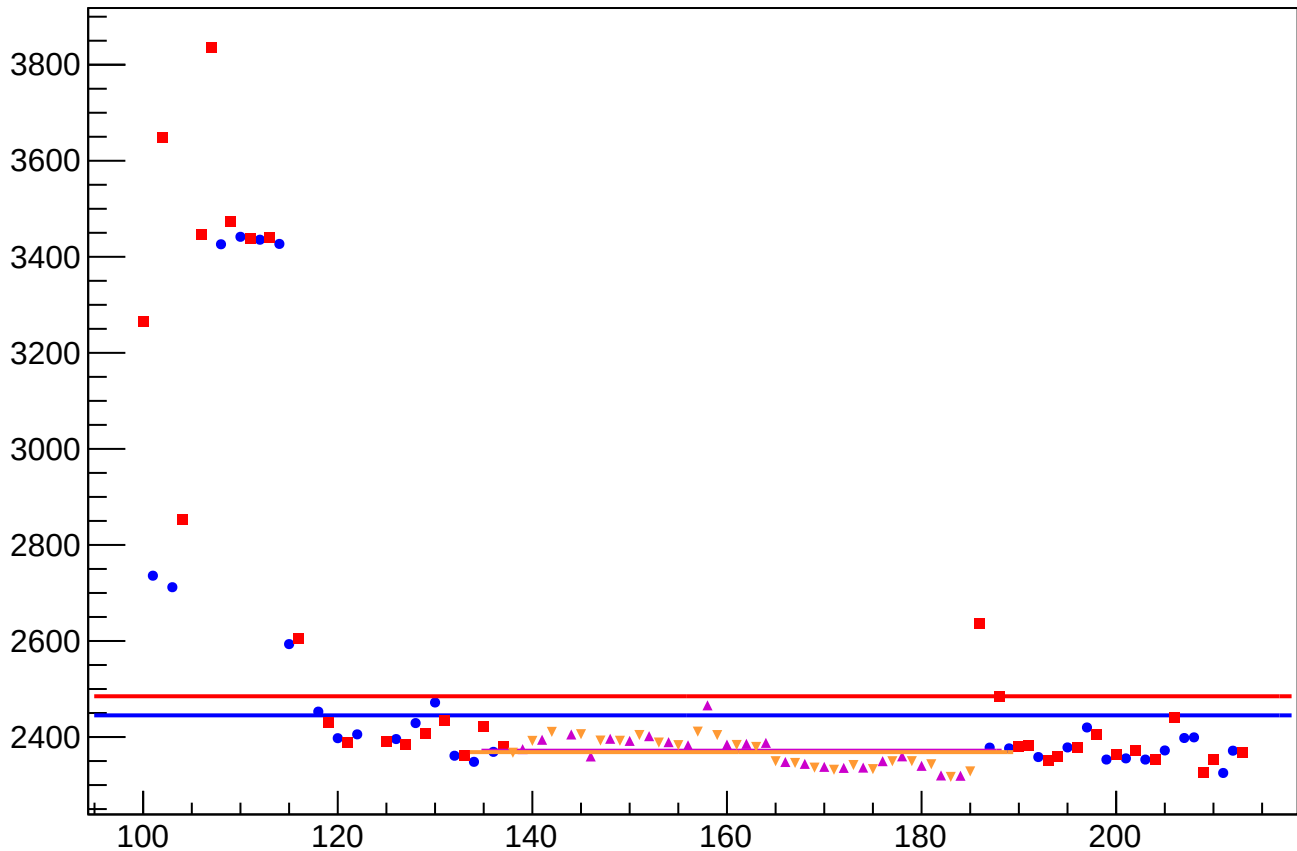
Left In: -1742.305 $\pm$ 553.755 χ^2 /NDF: 23.8/22

+ sign 1499.312 $\pm$ 401.539 χ^2 /NDF: 43.9/52

All: -14.255 $\pm$ 283.185 χ^2 /NDF: 130.5/108

- sign -1512.031 $\pm$ 399.439 χ^2 /NDF: 58.3/55

eigen_dit_asym_atl1_rms vs Slug



Right In: 2445.115 $\pm$ 0.416 χ^2 /NDF: 284589.3/28

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2484.886 $\pm$ 0.408 χ^2 /NDF: 551114.8/32

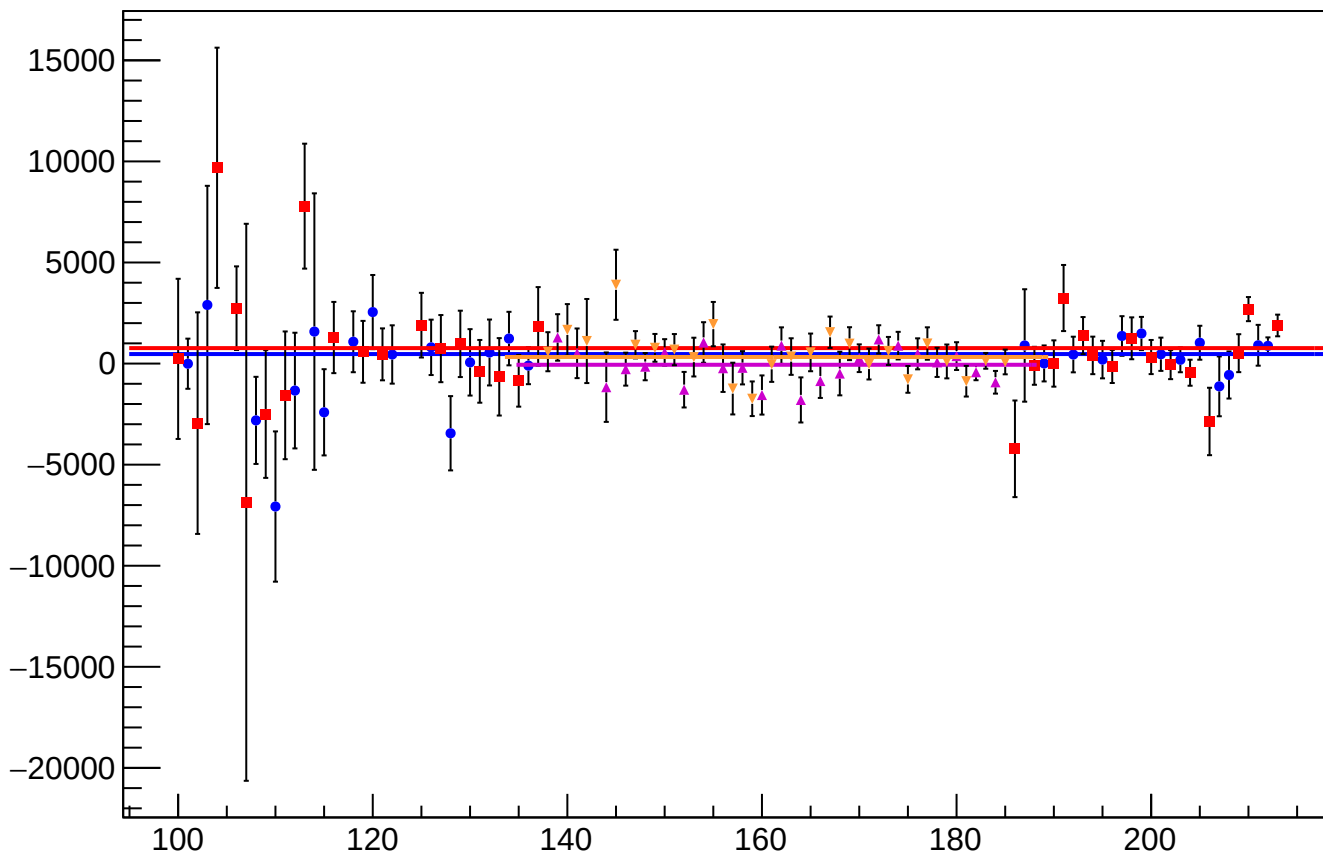
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2404.291 $\pm$ 0.284 χ^2 /NDF: 308249.9/52

All: 2415.152 $\pm$ 0.200 χ^2 /NDF: 909538.8/108

- sign 2425.899 $\pm$ 0.282 χ^2 /NDF: 598377.8/55

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 470.773 $\pm$ 197.619 χ^2 /NDF: 22.3/28

Left Out: 325.955 $\pm$ 160.042 χ^2 /NDF: 26.8/23

Right Out: 764.819 $\pm$ 198.055 χ^2 /NDF: 49.2/32

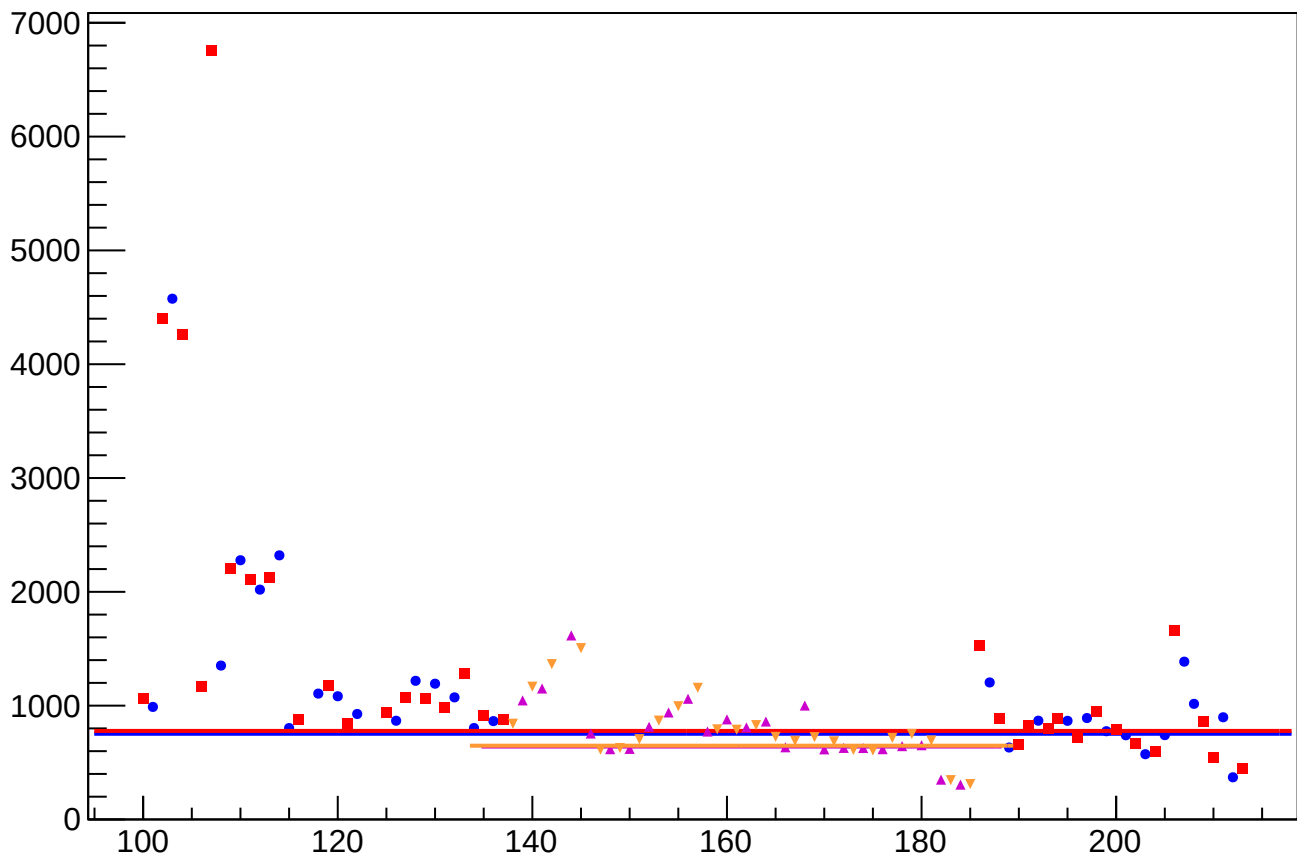
Left In: -59.619 $\pm$ 159.670 χ^2 /NDF: 22.7/22

+ sign 383.315 $\pm$ 124.372 χ^2 /NDF: 49.4/52

All: 324.197 $\pm$ 87.920 χ^2 /NDF: 132.3/108

- sign 265.142 $\pm$ 124.305 χ^2 /NDF: 82.4/55

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 752.926 $\pm$ 0.140 χ^2 /NDF: 5028773.7/28

Left Out: 648.101 $\pm$ 0.113 χ^2 /NDF: 3887001.9/23

Right Out: 778.003 $\pm$ 0.140 χ^2 /NDF: 5863386.7/32

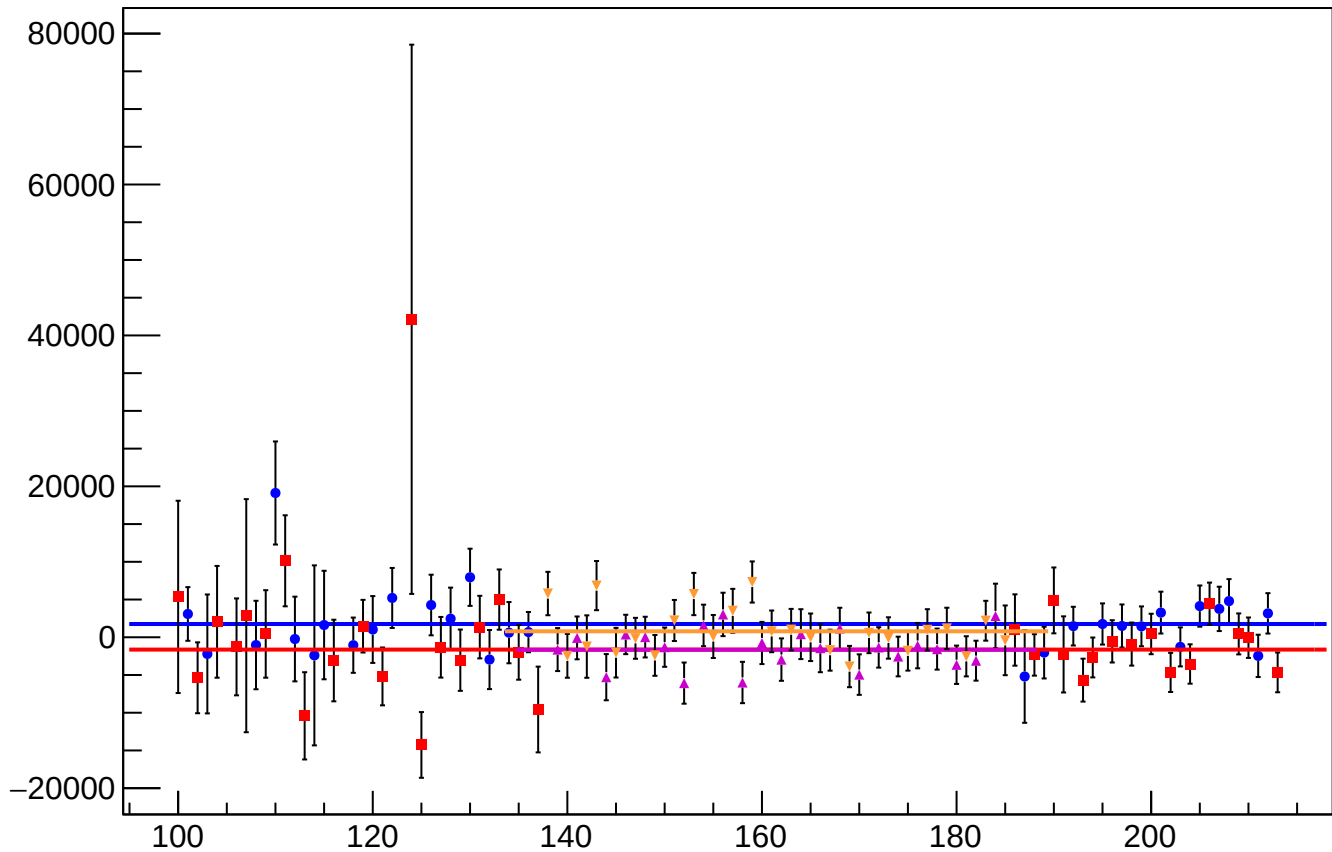
Left In: 640.423 $\pm$ 0.113 χ^2 /NDF: 4128774.2/22

+ sign 689.621 $\pm$ 0.088 χ^2 /NDF: 9255621.2/52

All: 692.121 $\pm$ 0.062 χ^2 /NDF: 19834327.0/10

- sign 694.618 $\pm$ 0.088 χ^2 /NDF: 10577090.5/55

asym_atl1_mean vs Slug



Right In: 1755.666 ± 641.650 χ^2/NDF : 22.5/28

Left Out: 791.438 ± 573.266 χ^2/NDF : 27.1/24

Right Out: -1633.127 ± 627.214 χ^2/NDF : 39.0/33

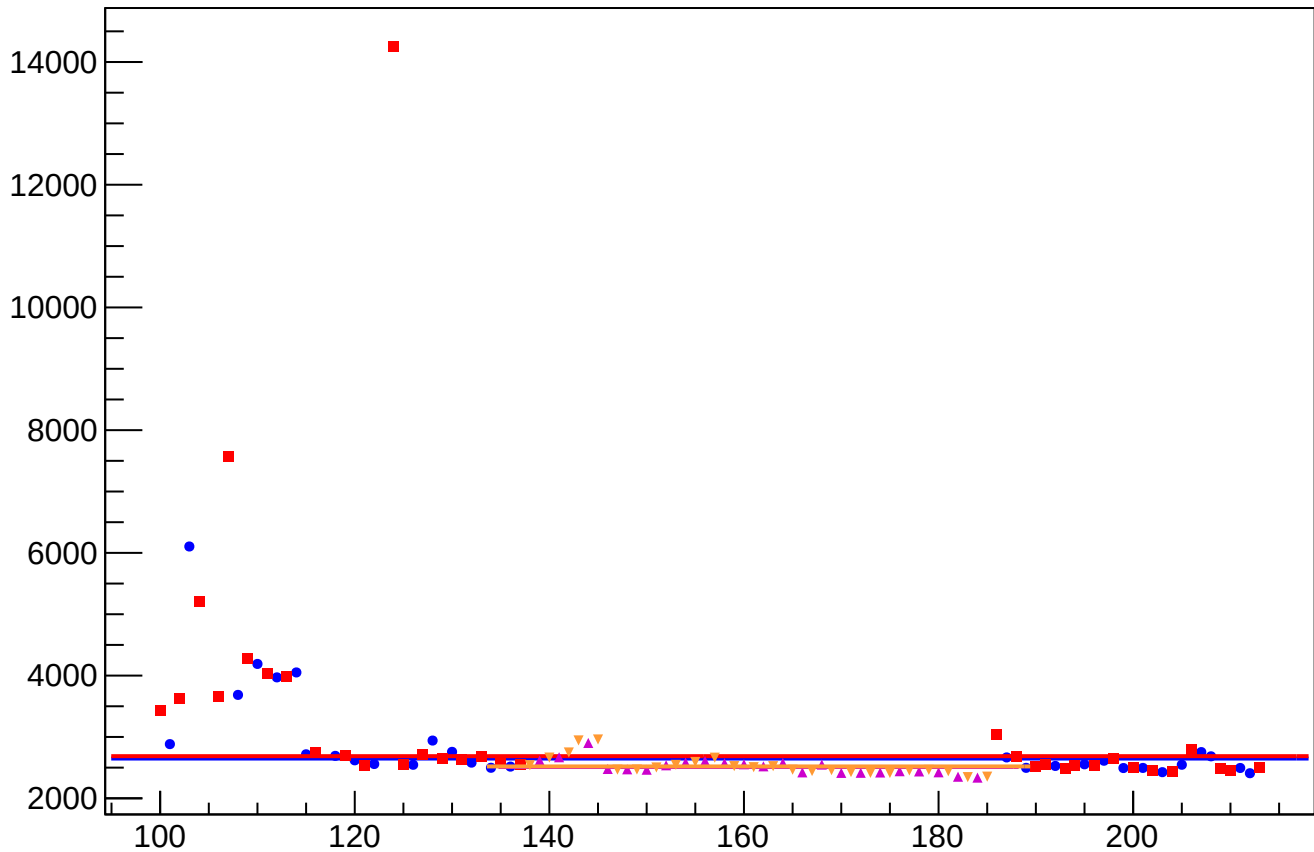
Left In: -1654.626 ± 586.767 χ^2/NDF : 17.3/22

+ sign 1219.450 ± 427.500 χ^2/NDF : 50.9/53

All: -209.250 ± 302.639 χ^2/NDF : 129.6/110

- sign -1644.592 ± 428.493 χ^2/NDF : 56.3/56

asym_atl1_rms vs Slug



Right In: 2648.266+/-0.454 χ^2/NDF : 785834.3/28

Left Out: 2519.516+/-0.405 χ^2/NDF : 115204.3/24

Right Out: 2686.755+/-0.444 χ^2/NDF : 1248078.7/33

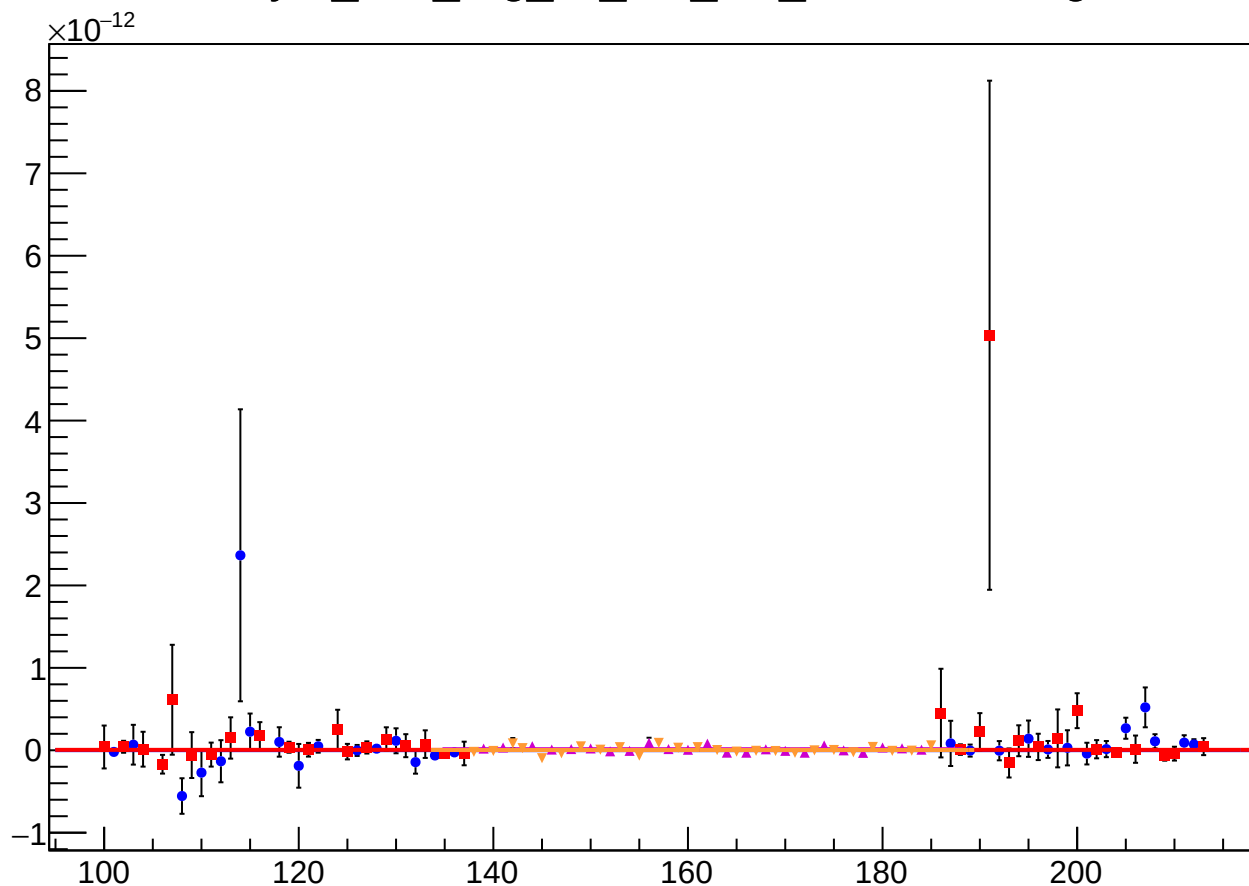
Left In: 2510.156+/-0.415 χ^2/NDF : 73771.4/22

+ sign 2576.667+/-0.302 χ^2/NDF : 945819.4/53

All: 2584.604+/-0.214 χ^2/NDF : 2353605.1/11

- sign 2592.578+/-0.303 χ^2/NDF : 1406403.7/56

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 30.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 28.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 20.9/33

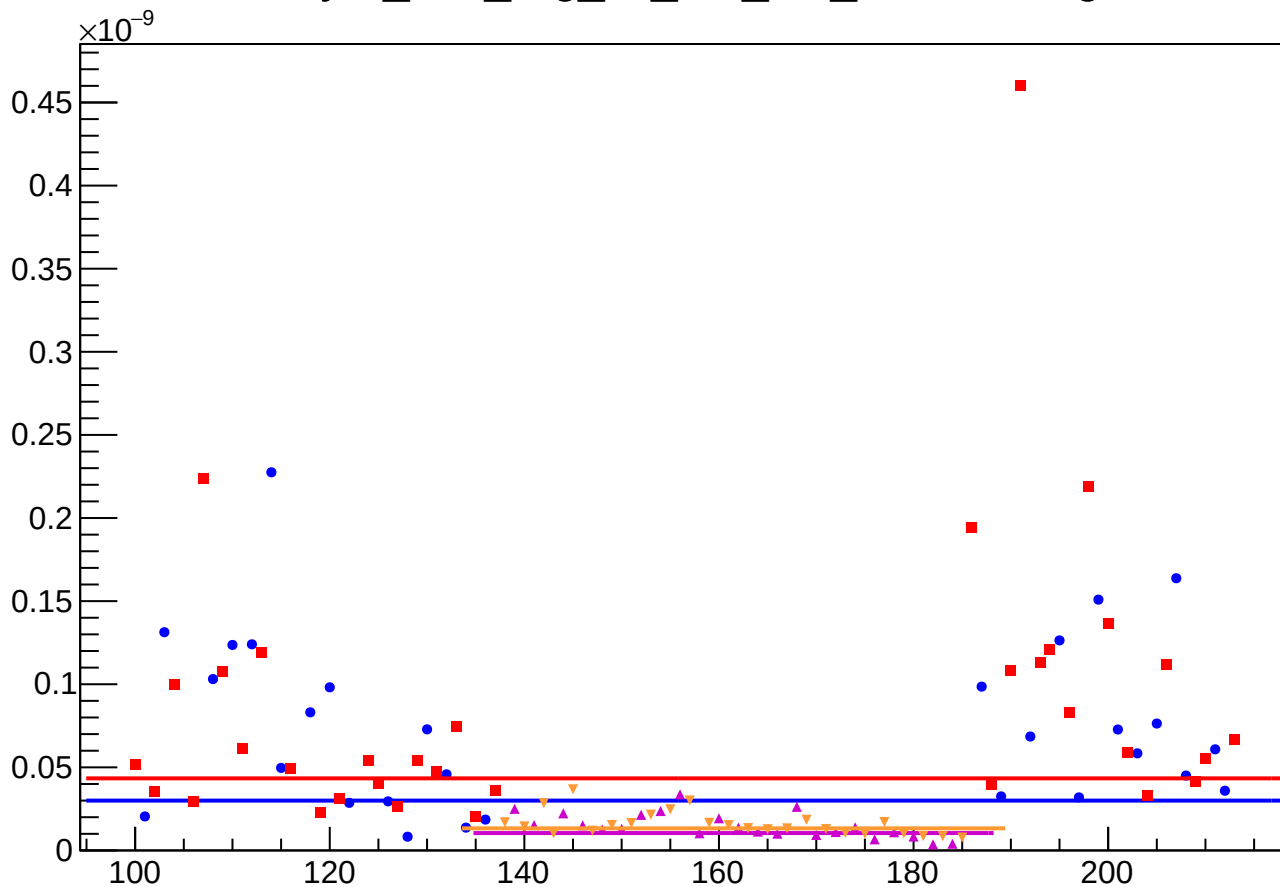
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 32.3/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 59.1/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 114.3/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 53.3/56

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 5710822.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1472019.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4105472.8/33

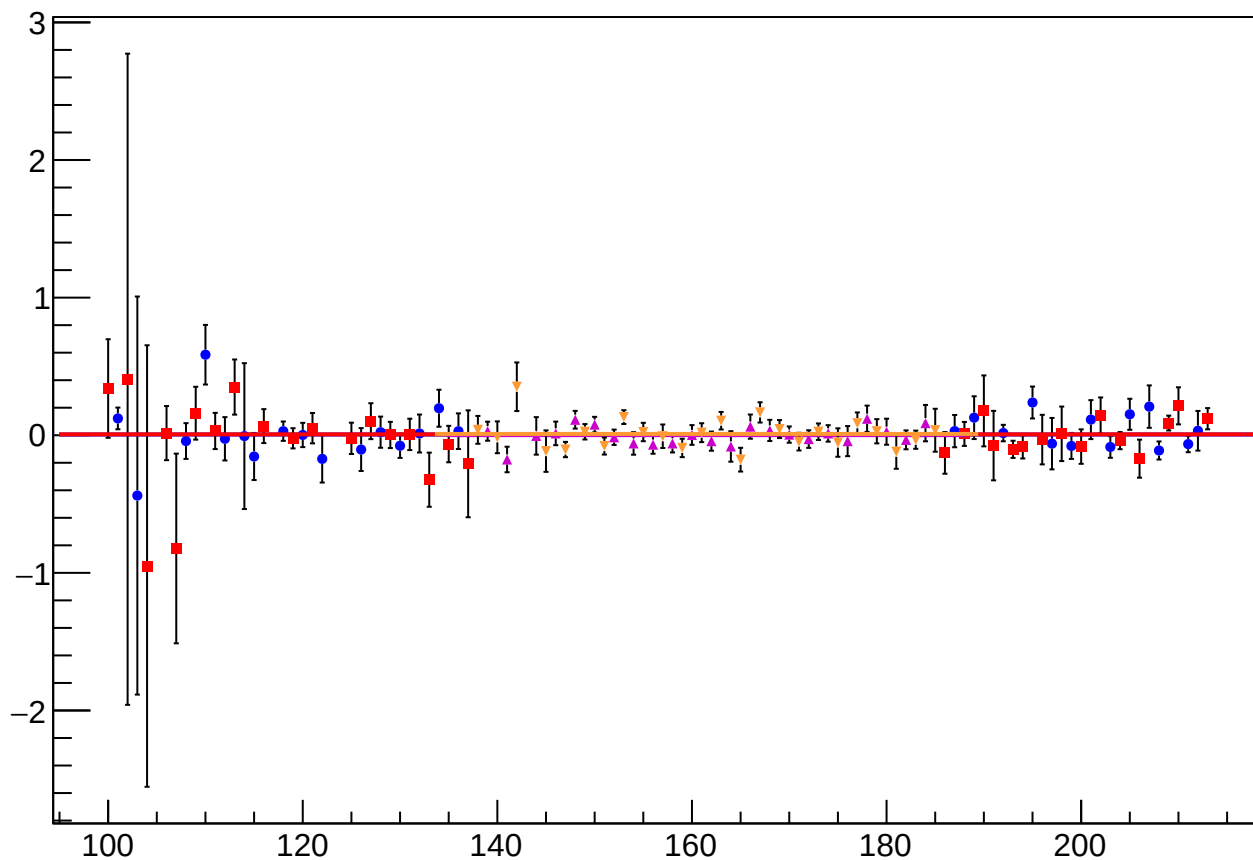
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2813965.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 9439722.5/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 22678593.2/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12946552.1/56

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.020 χ^2 /NDF: 30.6/28

Left Out: 0.009 $\pm$ 0.015 χ^2 /NDF:34.7/23

Right Out: 0.006 $\pm$ 0.020 χ^2 /NDF: 27.1/32

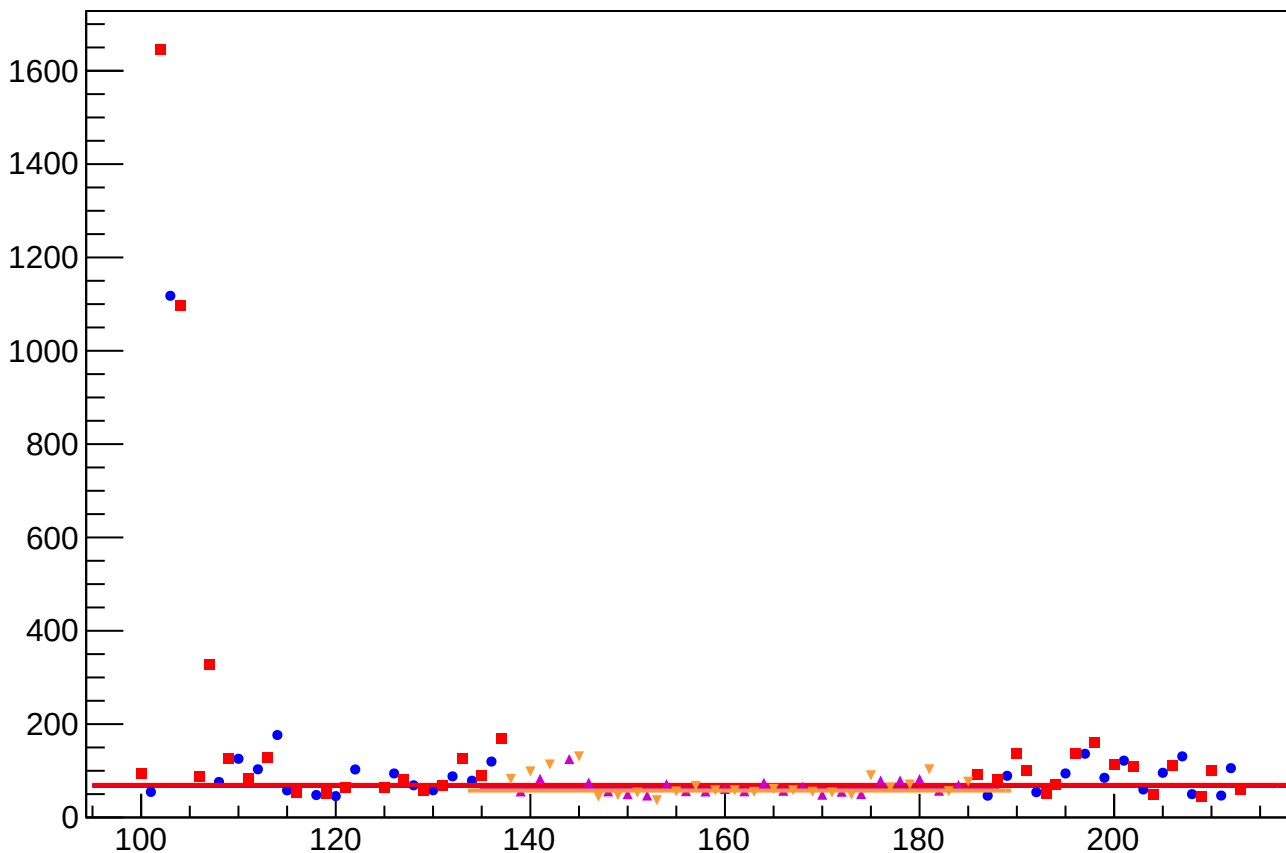
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:15.6/22

+ sign 0.008 $\pm$ 0.012 χ^2 /NDF: 65.4/52

All: 0.005 $\pm$ 0.009 χ^2 /NDF: 108.2/108

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 42.7/55

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.817 ± 0.014 $\chi^2/\text{NDF}: 4231574.7/28$

Left Out: 57.606 ± 0.011 $\chi^2/\text{NDF}: 2213142.2/23$

Right Out: 69.850 ± 0.014 $\chi^2/\text{NDF}: 5429171.9/32$

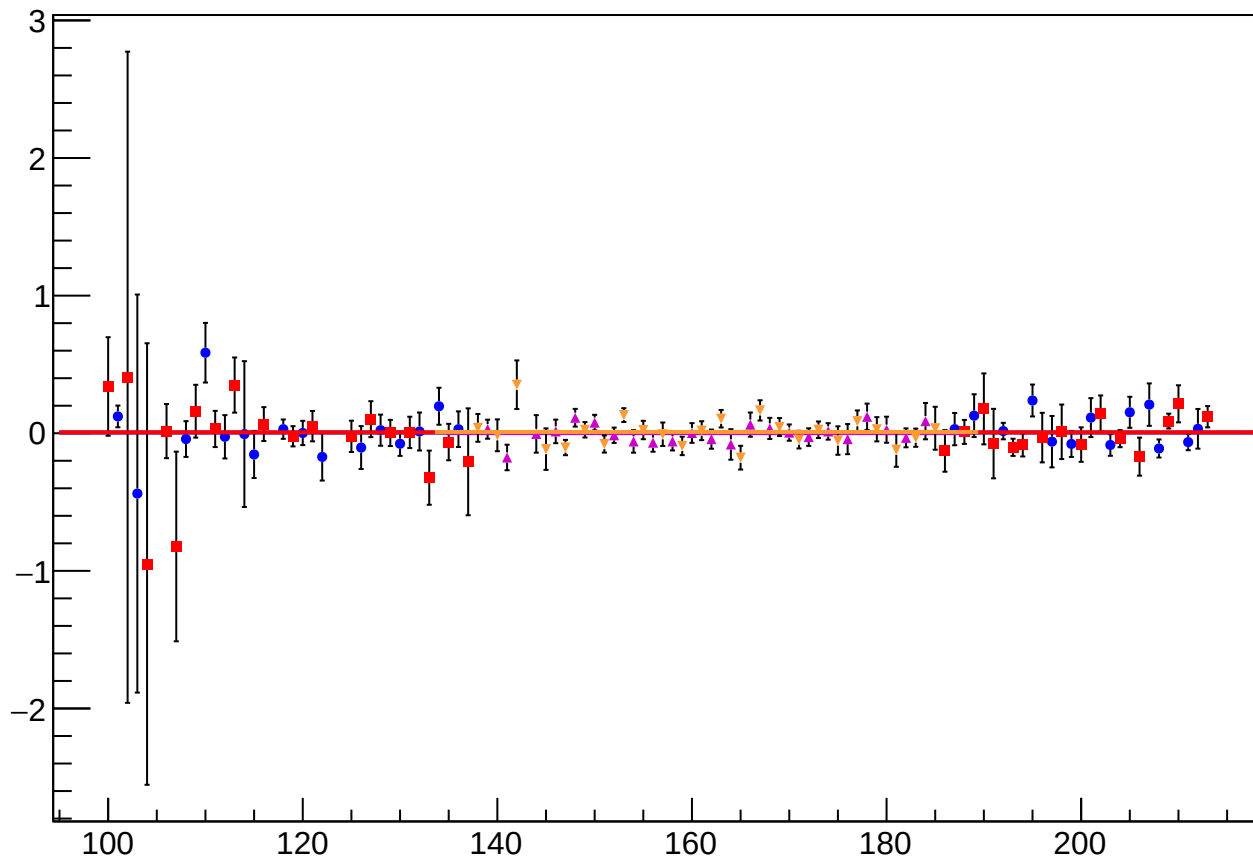
Left In: 59.828 ± 0.011 $\chi^2/\text{NDF}: 1340700.1/22$

+ sign 61.416 ± 0.008 $\chi^2/\text{NDF}: 6785695.4/52$

All: 62.505 ± 0.006 $\chi^2/\text{NDF}: 13907453.7/108$

- sign 63.637 ± 0.009 $\chi^2/\text{NDF}: 7087971.3/55$

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.020 χ^2/NDF : 30.6/28

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.006 ± 0.020 χ^2/NDF : 27.1/32

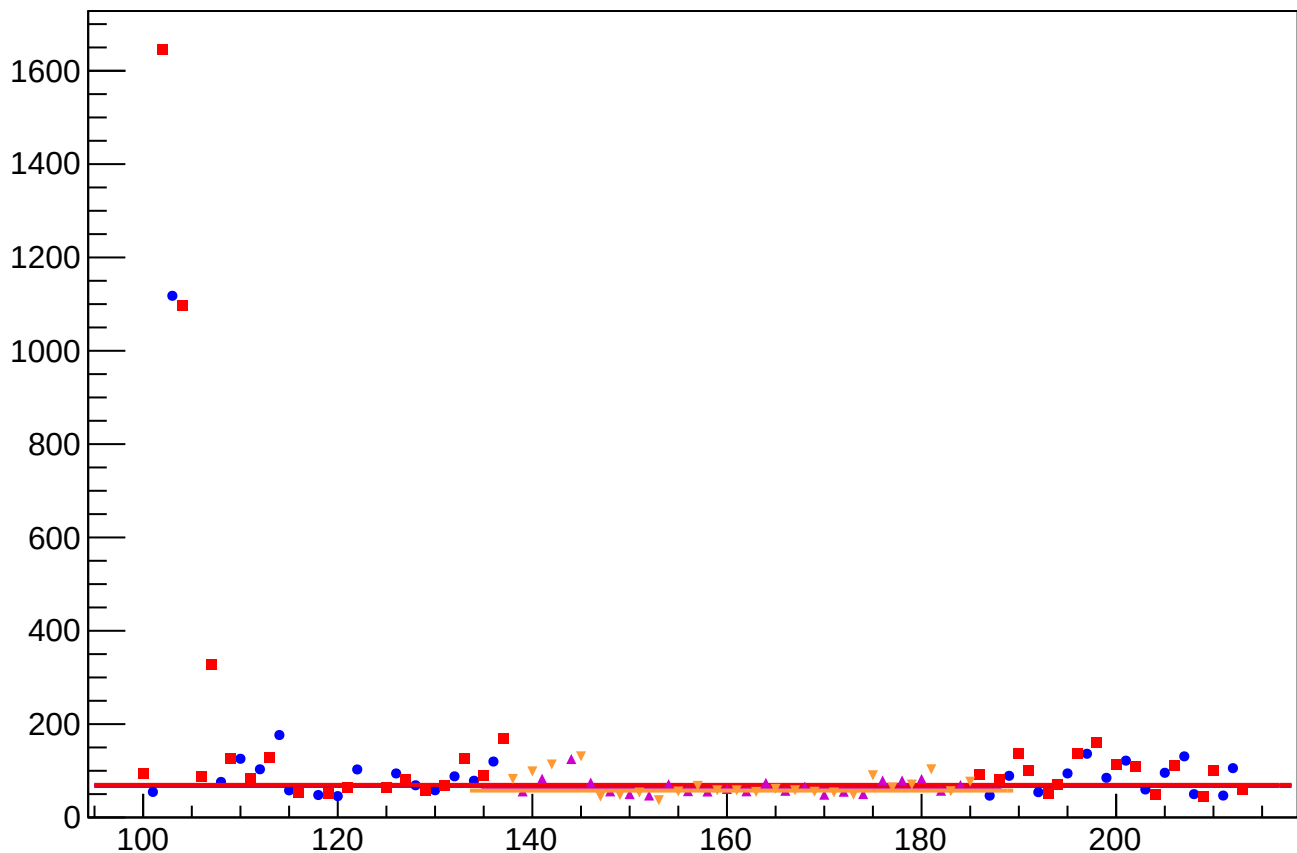
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.008 ± 0.012 χ^2/NDF : 65.4/52

All: 0.005 ± 0.009 χ^2/NDF : 108.2/108

- sign 0.003 ± 0.012 χ^2/NDF : 42.7/55

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.817 $\pm$ 0.014 χ^2 /NDF: 4231574.7/28

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213142.2/23

Right Out: 69.850 $\pm$ 0.014 χ^2 /NDF: 5429171.9/32

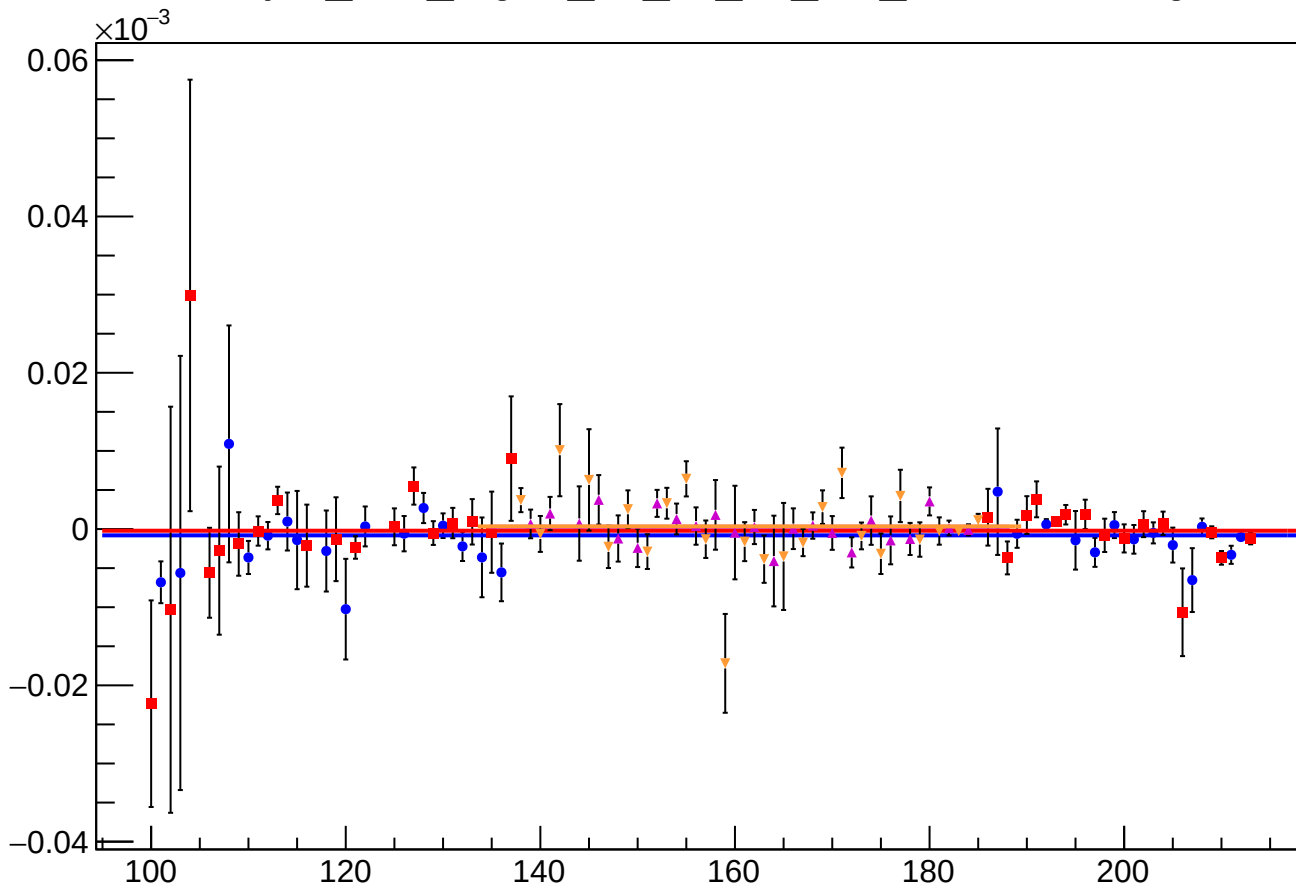
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340700.1/22

+ sign 61.416 $\pm$ 0.008 χ^2 /NDF: 6785695.4/52

All: 62.505 $\pm$ 0.006 χ^2 /NDF: 13907453.7/108

- sign 63.637 $\pm$ 0.009 χ^2 /NDF: 7087971.3/55

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.5/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 46.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 56.4/32

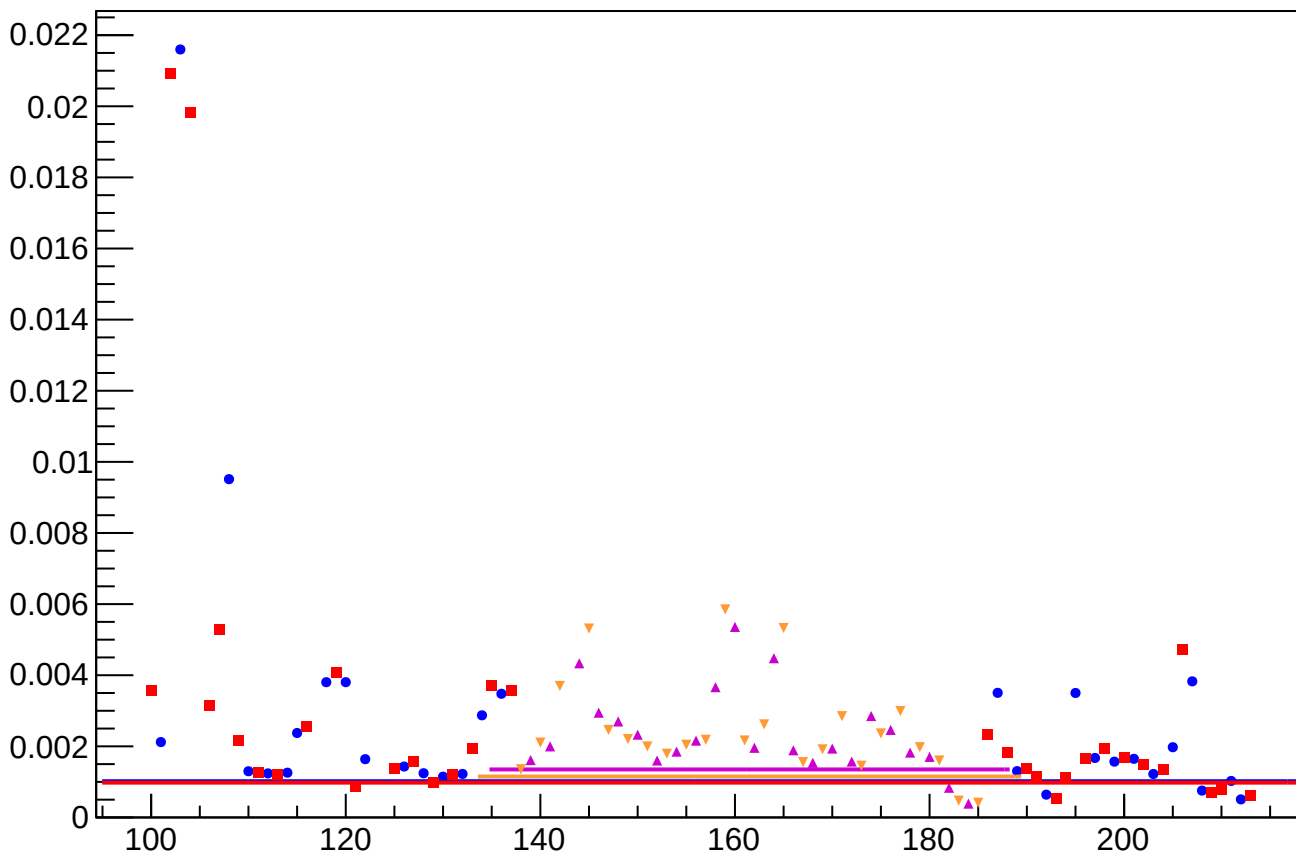
Left In: 0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 84.6/52

All: -0.000 ± 0.000 χ^2/NDF : 157.8/108

- sign -0.000 ± 0.000 χ^2/NDF : 72.5/55

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10014459.8/28

Left Out: 0.001+/-0.000 χ^2/NDF :13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF : 9860546.0/32

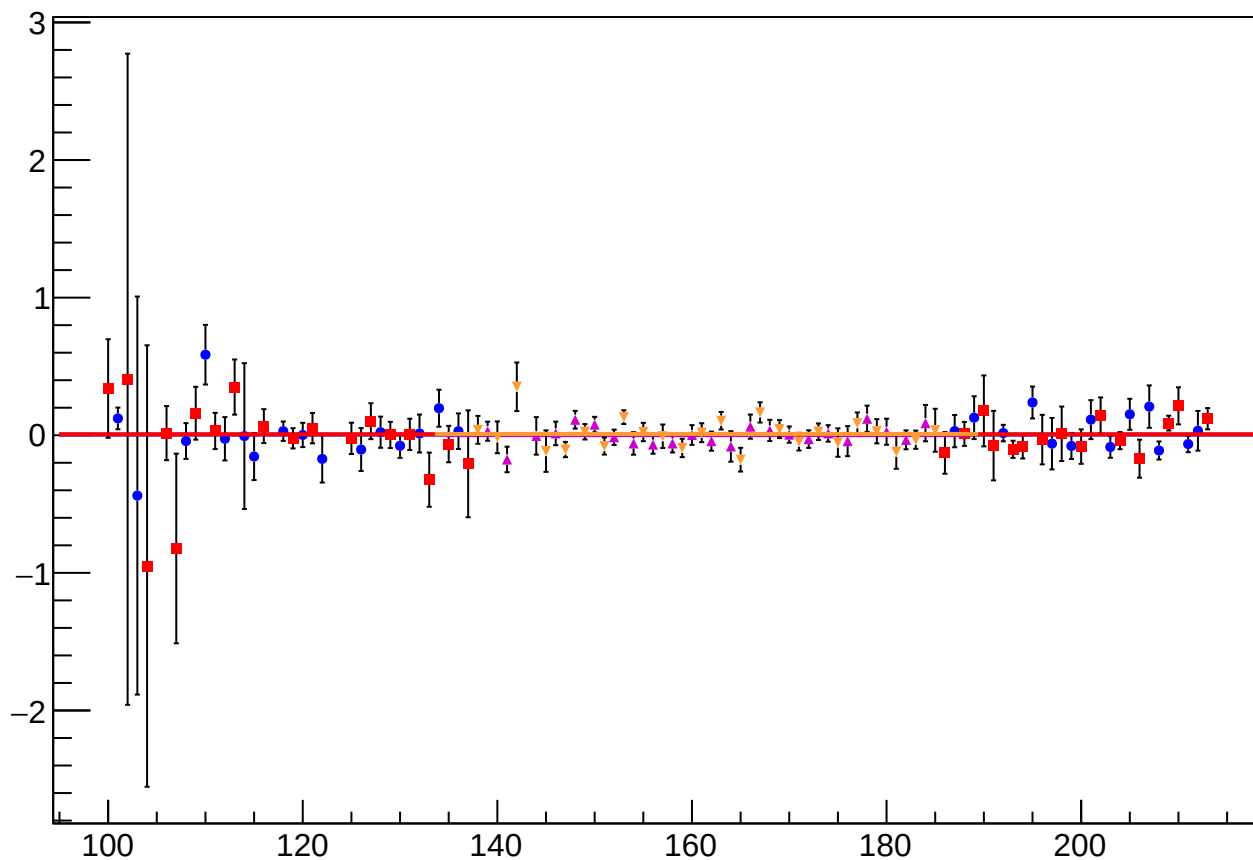
Left In: 0.001+/-0.000 χ^2/NDF :10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 23423028.9/52

All: 0.001+/-0.000 χ^2/NDF : 44782621.6/108

- sign 0.001+/-0.000 χ^2/NDF : 21340396.0/55

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.020 χ^2 /NDF: 30.6/28

Left Out: 0.009 $\pm$ 0.015 χ^2 /NDF:34.7/23

Right Out: 0.006 $\pm$ 0.020 χ^2 /NDF: 27.1/32

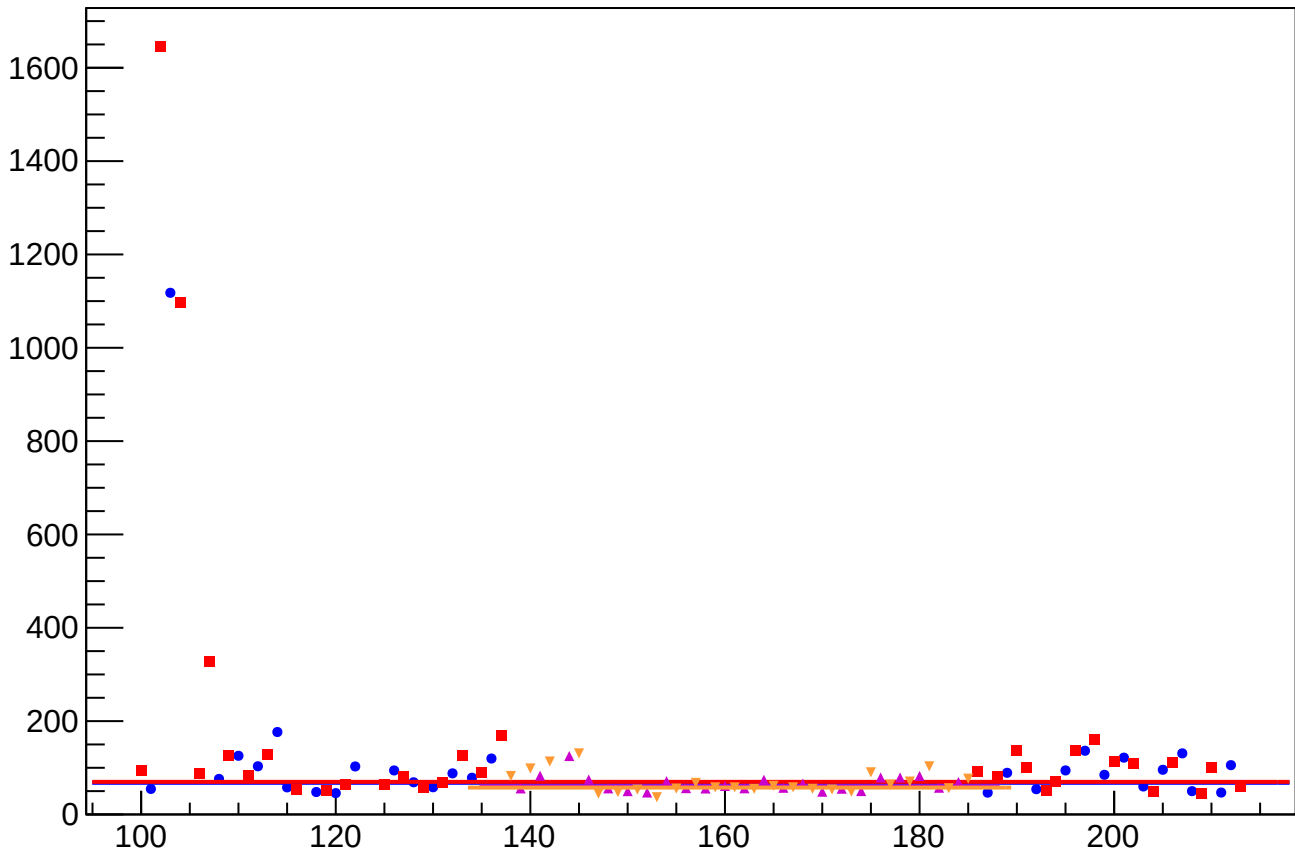
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:15.6/22

+ sign 0.008 $\pm$ 0.012 χ^2 /NDF: 65.4/52

All: 0.005 $\pm$ 0.009 χ^2 /NDF: 108.2/108

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 42.7/55

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.817 ± 0.014 $\chi^2/\text{NDF}: 4231719.5/28$

Left Out: 57.606 ± 0.011 $\chi^2/\text{NDF}: 2213216.3/23$

Right Out: 69.850 ± 0.014 $\chi^2/\text{NDF}: 5429259.9/32$

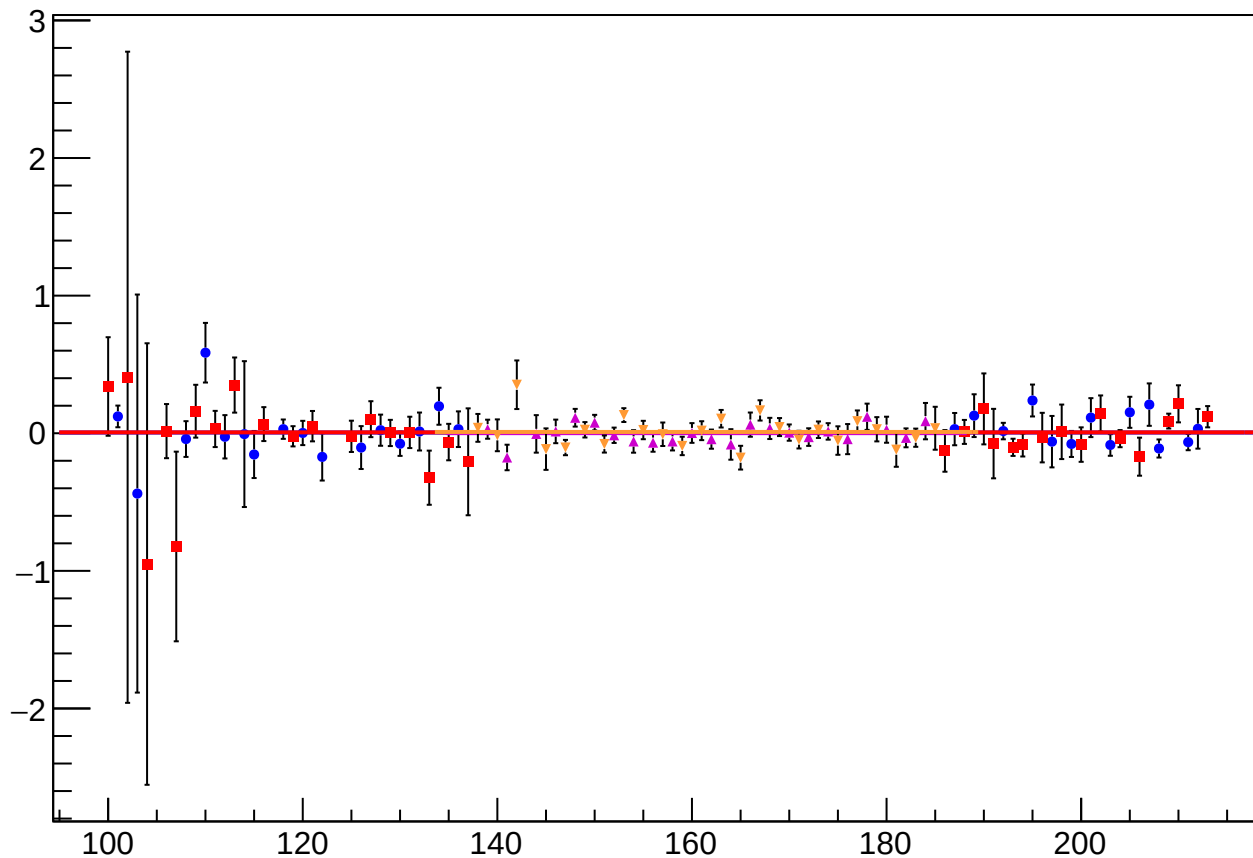
Left In: 59.828 ± 0.011 $\chi^2/\text{NDF}: 1340684.6/22$

+ sign 61.416 ± 0.008 $\chi^2/\text{NDF}: 6785882.9/52$

All: 62.505 ± 0.006 $\chi^2/\text{NDF}: 13907691.3/108$

- sign 63.637 ± 0.009 $\chi^2/\text{NDF}: 7088016.0/55$

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.020 χ^2/NDF : 30.6/28

Left Out: 0.009 ± 0.015 χ^2/NDF : 34.7/23

Right Out: 0.006 ± 0.020 χ^2/NDF : 27.1/32

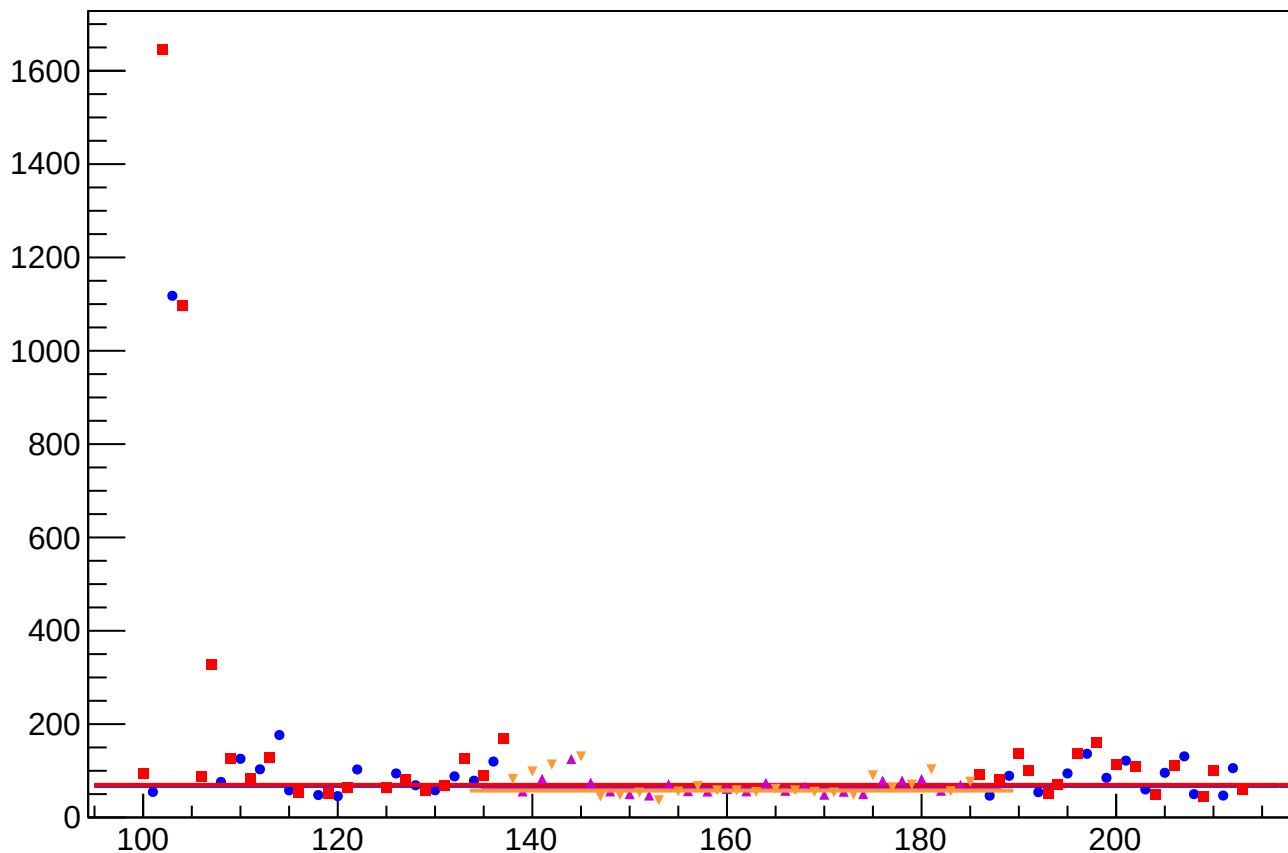
Left In: 0.001 ± 0.015 χ^2/NDF : 15.6/22

+ sign 0.008 ± 0.012 χ^2/NDF : 65.4/52

All: 0.005 ± 0.009 χ^2/NDF : 108.2/108

- sign 0.003 ± 0.012 χ^2/NDF : 42.7/55

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.817 $\pm$ 0.014 χ^2 /NDF: 4231719.5/28

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213216.3/23

Right Out: 69.850 $\pm$ 0.014 χ^2 /NDF: 5429259.9/32

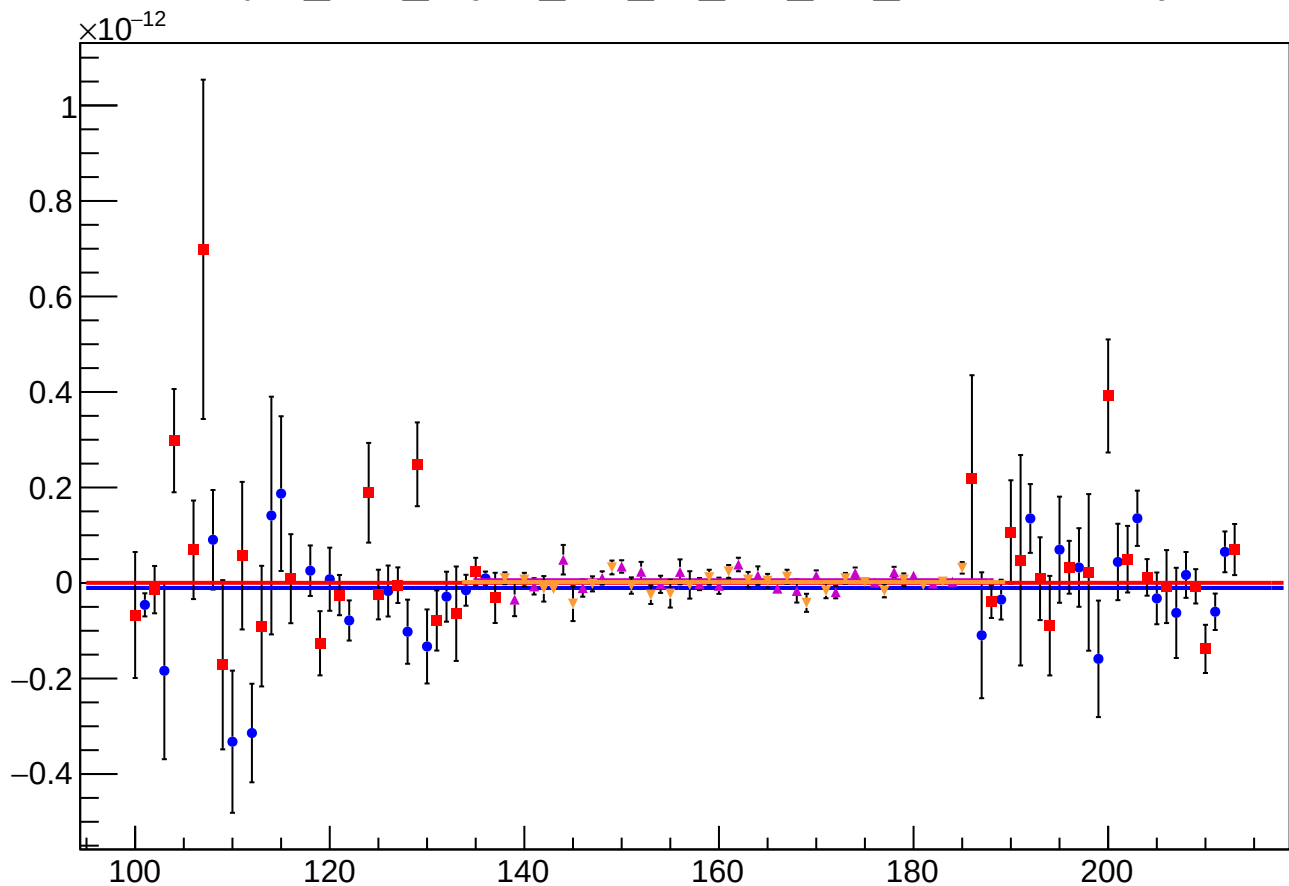
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340684.6/22

+ sign 61.416 $\pm$ 0.008 χ^2 /NDF: 6785882.9/52

All: 62.505 $\pm$ 0.006 χ^2 /NDF: 13907691.3/108

- sign 63.637 $\pm$ 0.009 χ^2 /NDF: 7088016.0/55

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 48.5/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 57.5/33

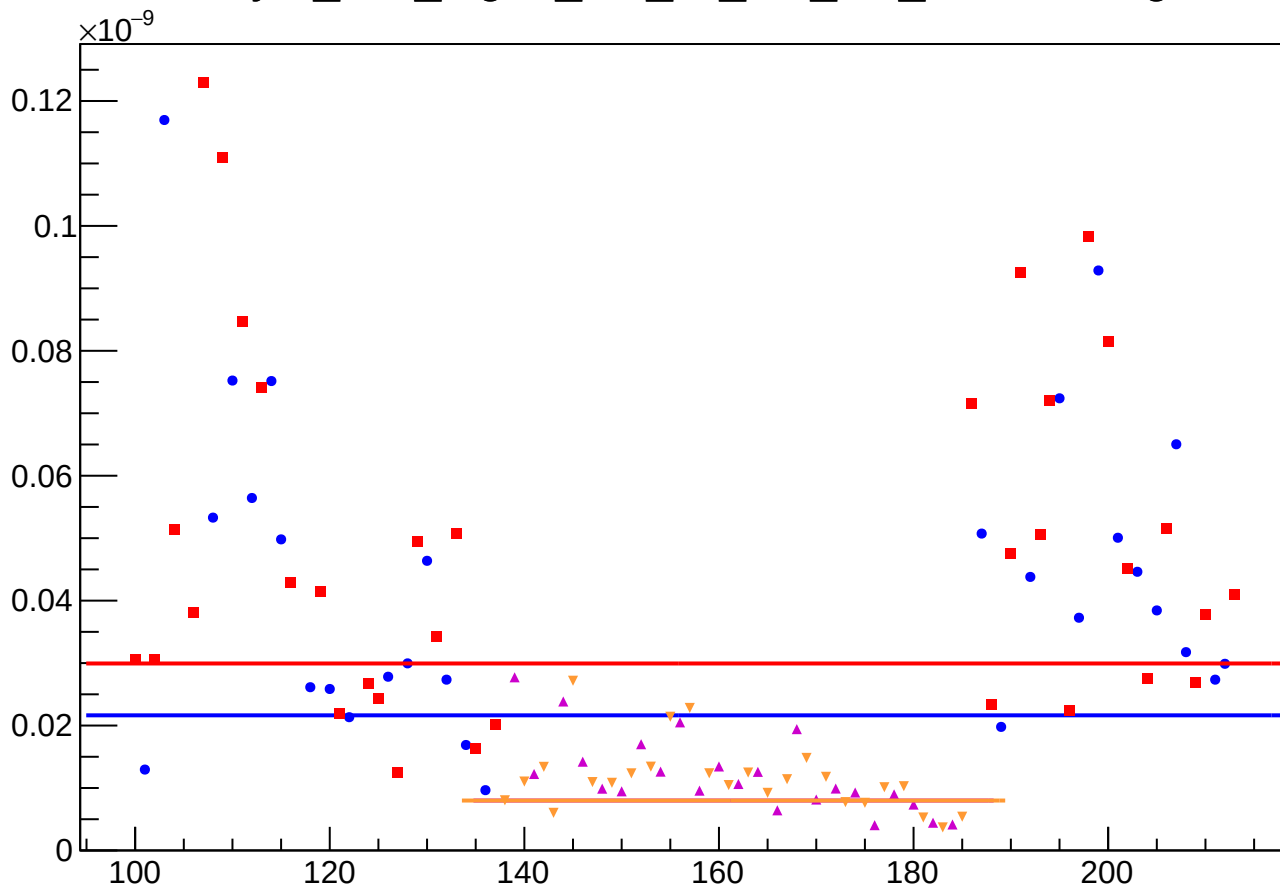
Left In: 0.000 ± 0.000 χ^2/NDF : 32.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 82.3/53

All: 0.000 ± 0.000 χ^2/NDF : 174.4/110

- sign 0.000 ± 0.000 χ^2/NDF : 90.3/56

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6191878.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 4887759.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 4461473.8/33

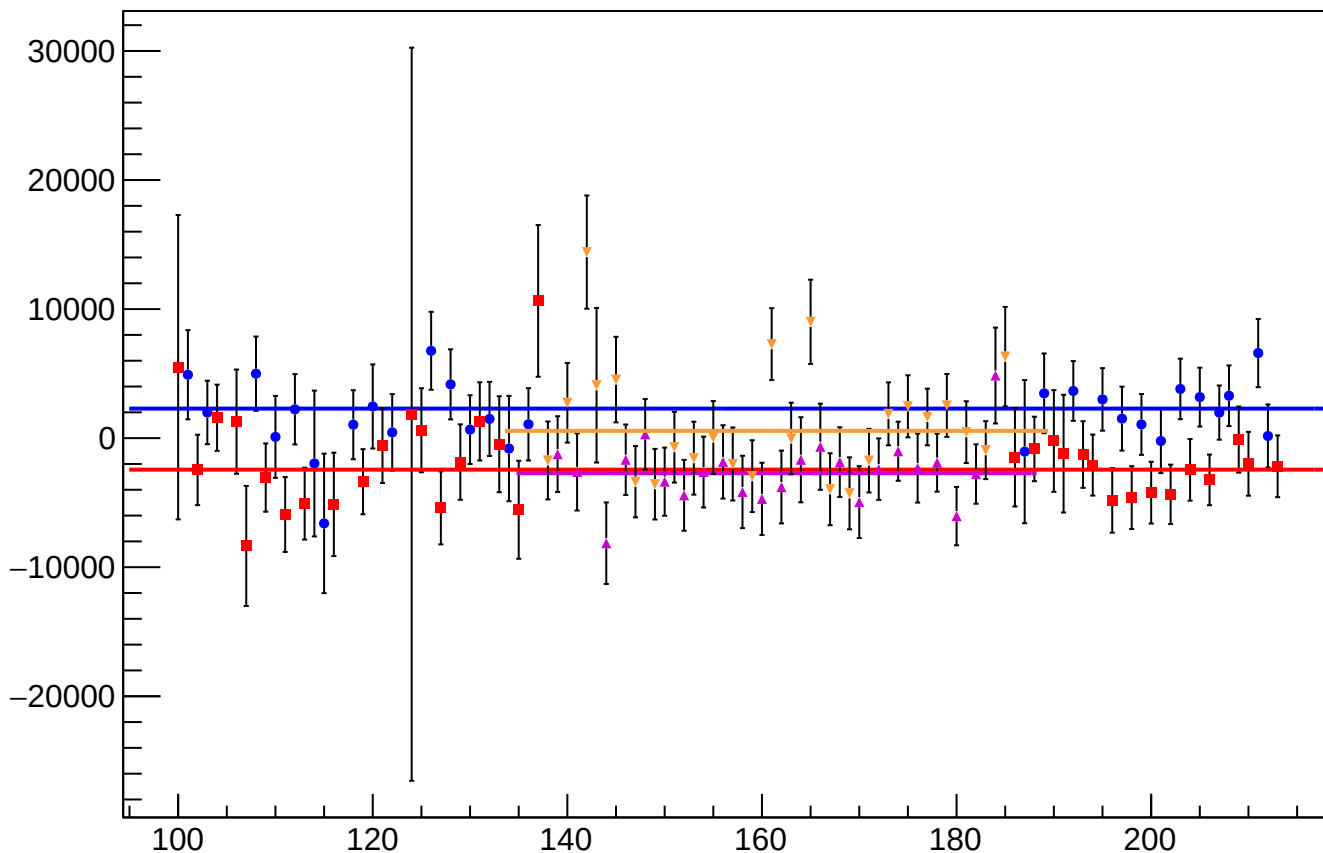
Left In: 0.000 ± 0.000 χ^2/NDF : 5188583.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 15796321.2/53

All: 0.000 ± 0.000 χ^2/NDF : 33751199.3/110

- sign 0.000 ± 0.000 χ^2/NDF : 17949726.8/56

reg_asym_atl2_mean vs Slug



Right In: 2289.417 $\pm$ 512.783 χ^2 /NDF: 16.2/28

Left Out: 562.390 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2440.585 $\pm$ 497.723 χ^2 /NDF: 23.3/33

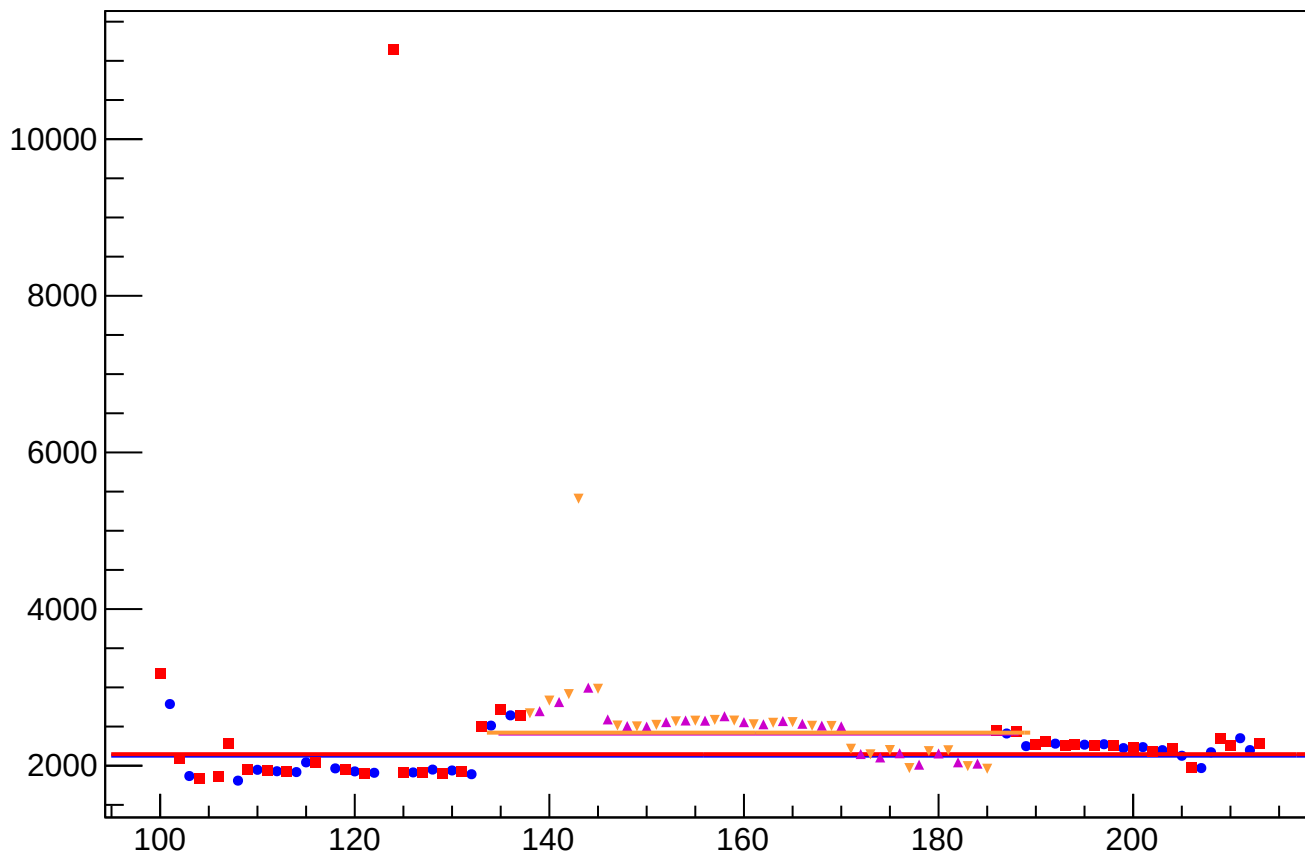
Left In: -2716.200 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1497.651 $\pm$ 377.355 χ^2 /NDF: 65.4/53

All: -550.625 $\pm$ 265.573 χ^2 /NDF: 161.5/110

- sign -2560.726 $\pm$ 373.822 χ^2 /NDF: 37.7/56

reg_asym_atl2_rms vs Slug



Right In: 2128.470+/-0.363 χ^2/NDF : 361004.6/28

Left Out: 2422.152+/-0.394 χ^2/NDF : 952857.9/24

Right Out: 2147.279+/-0.352 χ^2/NDF : 550231.3/33

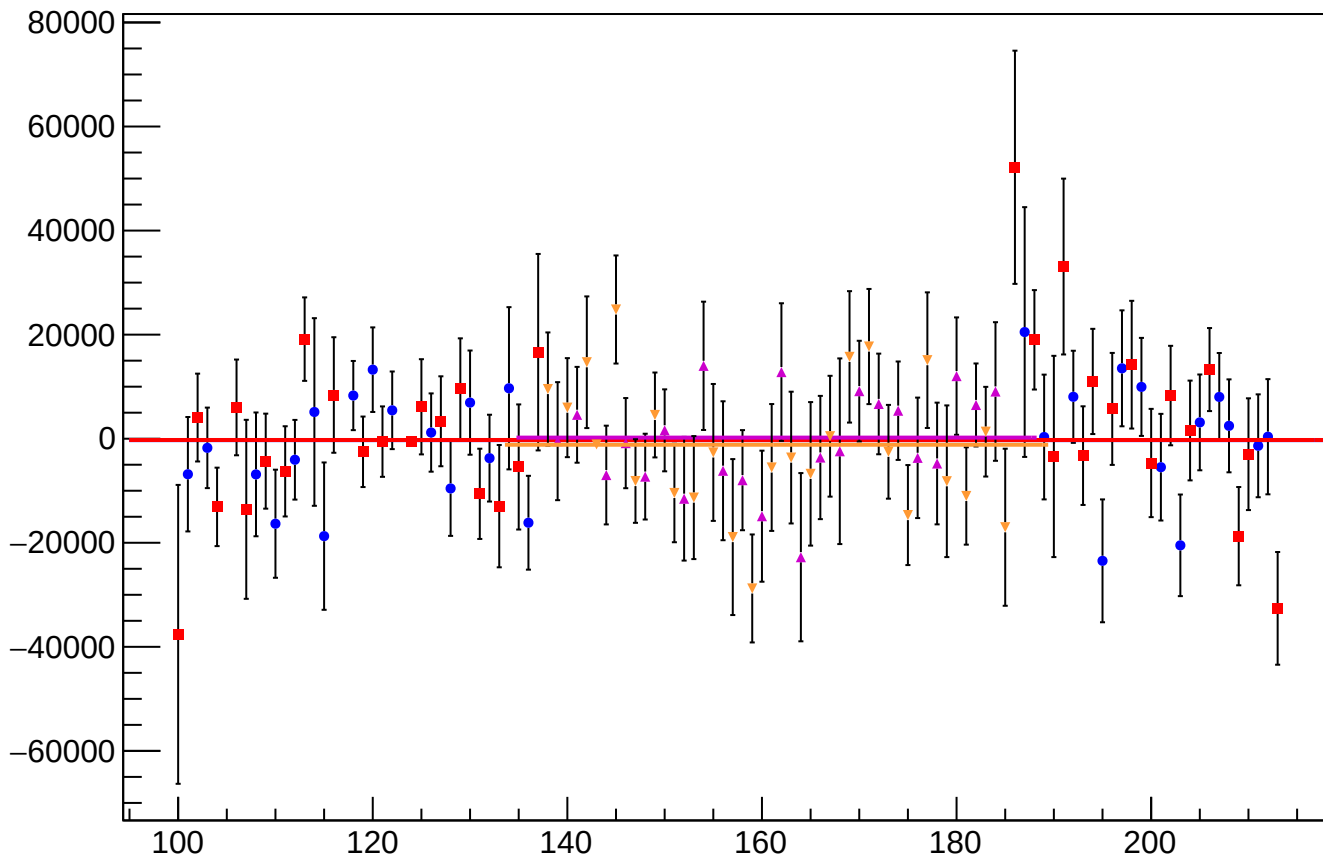
Left In: 2409.820+/-0.400 χ^2/NDF : 428364.2/22

+ sign 2263.110+/-0.267 χ^2/NDF : 1614618.9/53

All: 2262.409+/-0.188 χ^2/NDF : 2835797.6/111

- sign 2261.721+/-0.264 χ^2/NDF : 1221165.1/56

asym_atl2_reg_correction_mean vs Slug



Right In: -274.236 ± 1775.222 χ^2/NDF : 29.4/28

Left Out: -1158.214 ± 757.797 χ^2/NDF : 31.9/24

Right Out: -245.896 ± 740.307 χ^2/NDF : 51.8/33

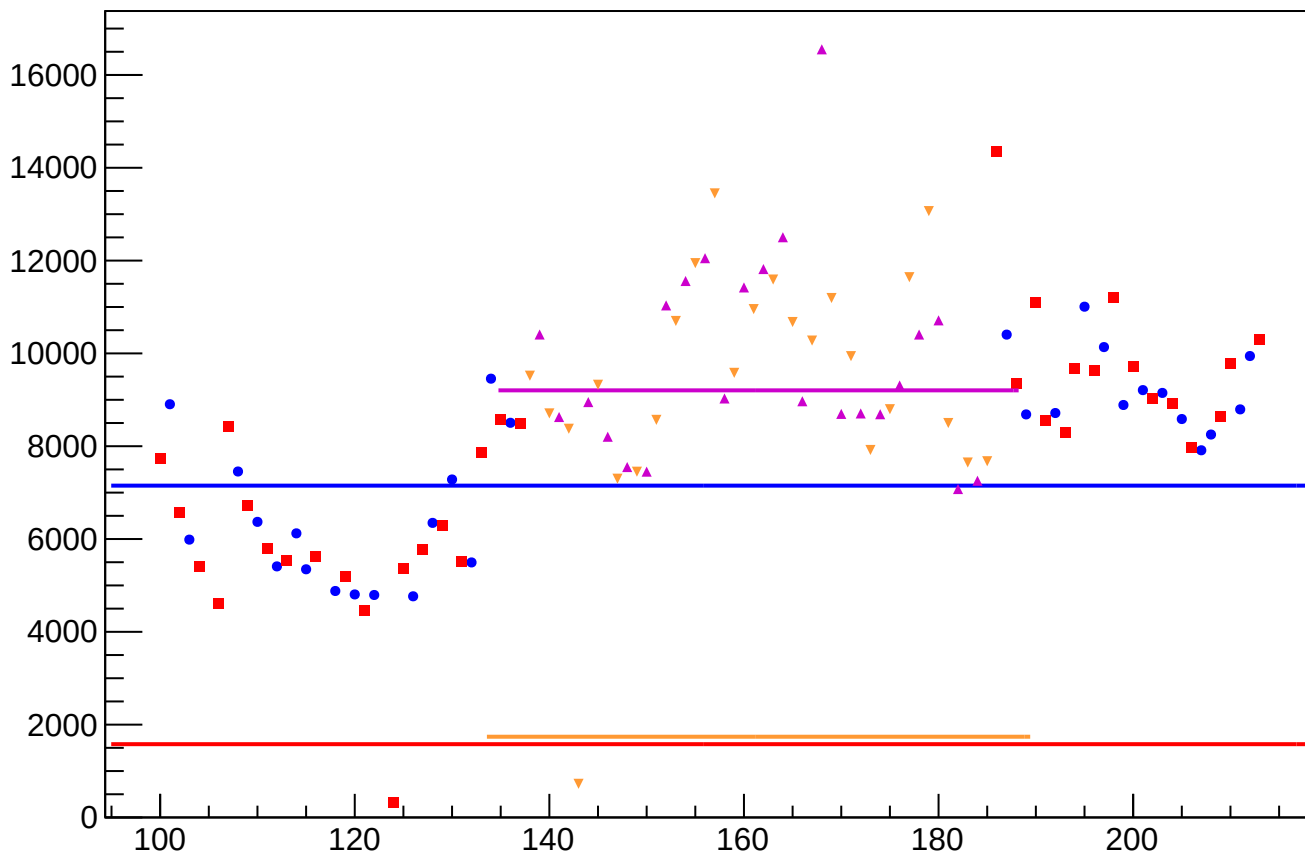
Left In: 209.655 ± 2195.058 χ^2/NDF : 13.4/22

+ sign -1021.962 ± 696.953 χ^2/NDF : 61.5/53

All: -613.333 ± 494.415 χ^2/NDF : 127.4/110

- sign -199.371 ± 701.486 χ^2/NDF : 65.2/56

asym_atl2_reg_correction_rms vs Slug



Right In: 7150.538+/-1.255 χ^2/NDF : 2233841.1/28

Left Out: 1739.692+/-0.536 χ^2/NDF : 27734045.9/24

Right Out: 1579.170+/-0.523 χ^2/NDF : 28530353.3/33

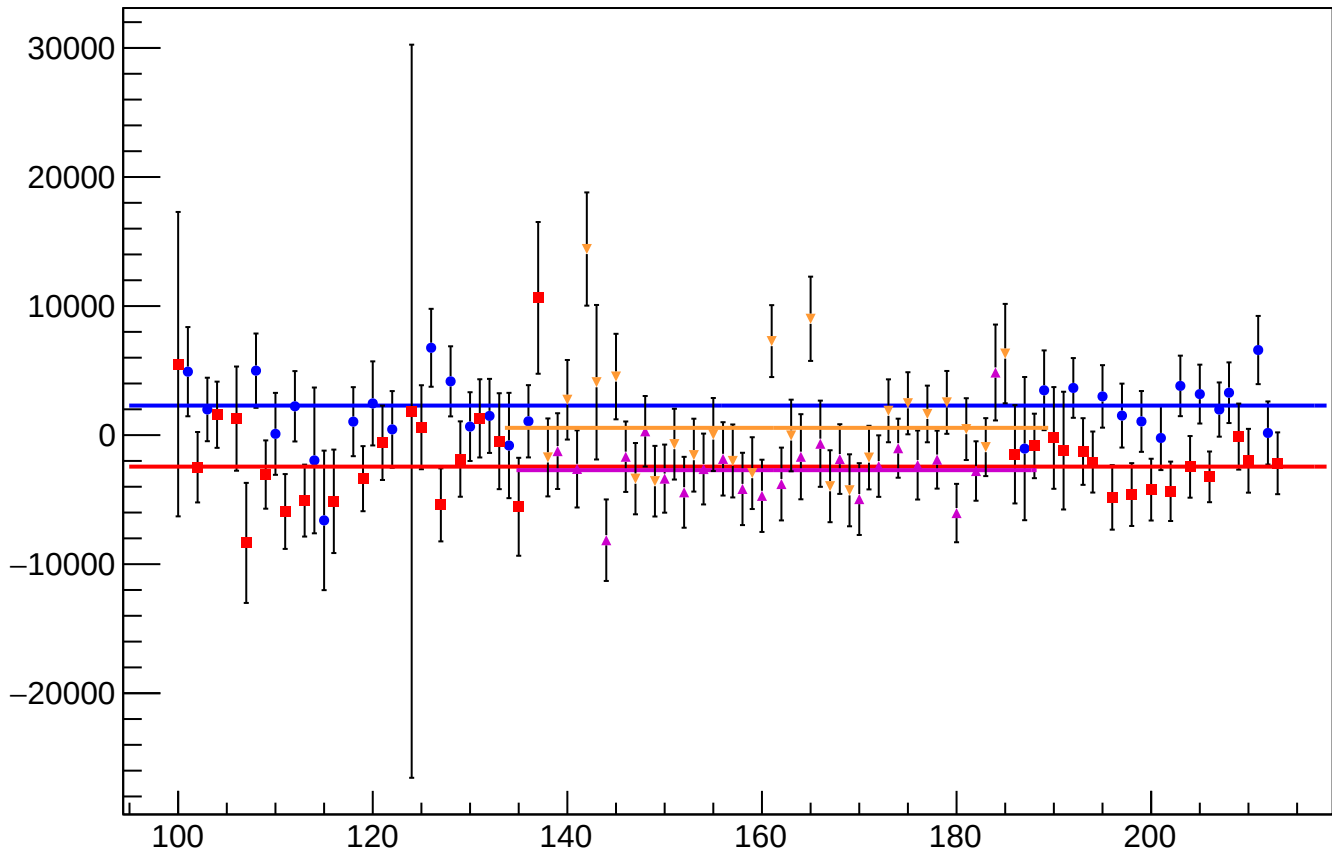
Left In: 9203.758+/-1.552 χ^2/NDF : 1272066.5/22

+ sign 2573.693+/-0.493 χ^2/NDF : 45684389.8/53

All: 2466.474+/-0.350 χ^2/NDF : 97248401.0/100

- sign 2357.857+/-0.496 χ^2/NDF : 51468727.9/56

cor_asym_atl2_mean vs Slug



Right In: 2289.404 $\pm$ 512.783 χ^2 /NDF: 16.2/28

Left Out: 562.392 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2441.378 $\pm$ 497.725 χ^2 /NDF: 23.3/33

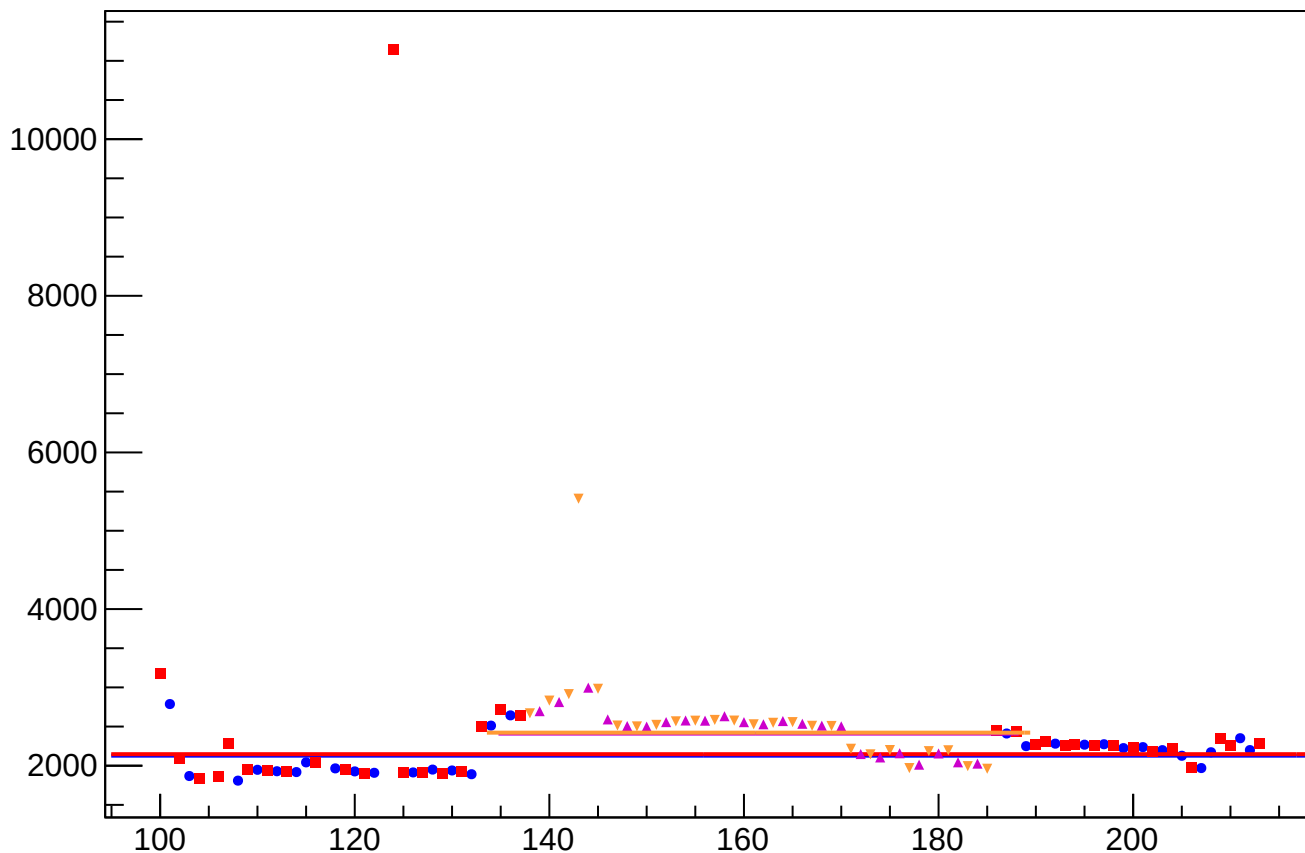
Left In: -2716.163 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1497.645 $\pm$ 377.355 χ^2 /NDF: 65.4/53

All: -550.841 $\pm$ 265.573 χ^2 /NDF: 161.5/110

- sign -2561.157 $\pm$ 373.823 χ^2 /NDF: 37.7/56

cor_asym_atl2_rms vs Slug



Right In: 2128.470 ± 0.363 χ^2/NDF : 361004.5/28

Left Out: 2422.152 ± 0.394 χ^2/NDF : 952857.9/24

Right Out: 2147.289 ± 0.352 χ^2/NDF : 550223.0/33

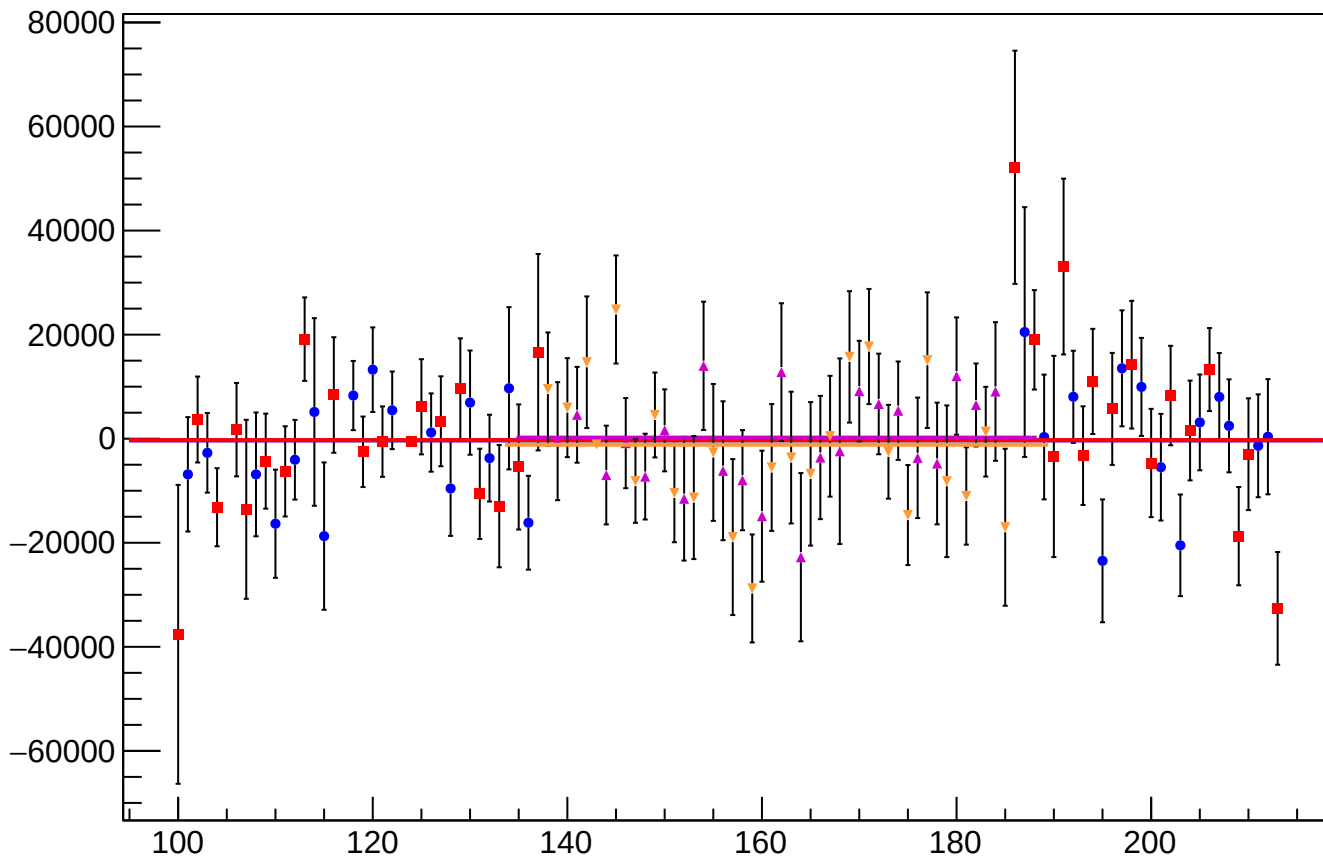
Left In: 2409.820 ± 0.400 χ^2/NDF : 428364.2/22

+ sign 2263.110 ± 0.267 χ^2/NDF : 1614618.9/53

All: 2262.412 ± 0.188 χ^2/NDF : 2835769.0/11

- sign 2261.727 ± 0.264 χ^2/NDF : 1221136.6/56

asym_atl2_cor_correction_mean vs Slug



Right In: -328.241 ± 1774.109 χ^2/NDF : 29.5/28

Left Out: -1157.974 ± 757.732 χ^2/NDF : 31.9/24

Right Out: -277.034 ± 740.004 χ^2/NDF : 51.4/33

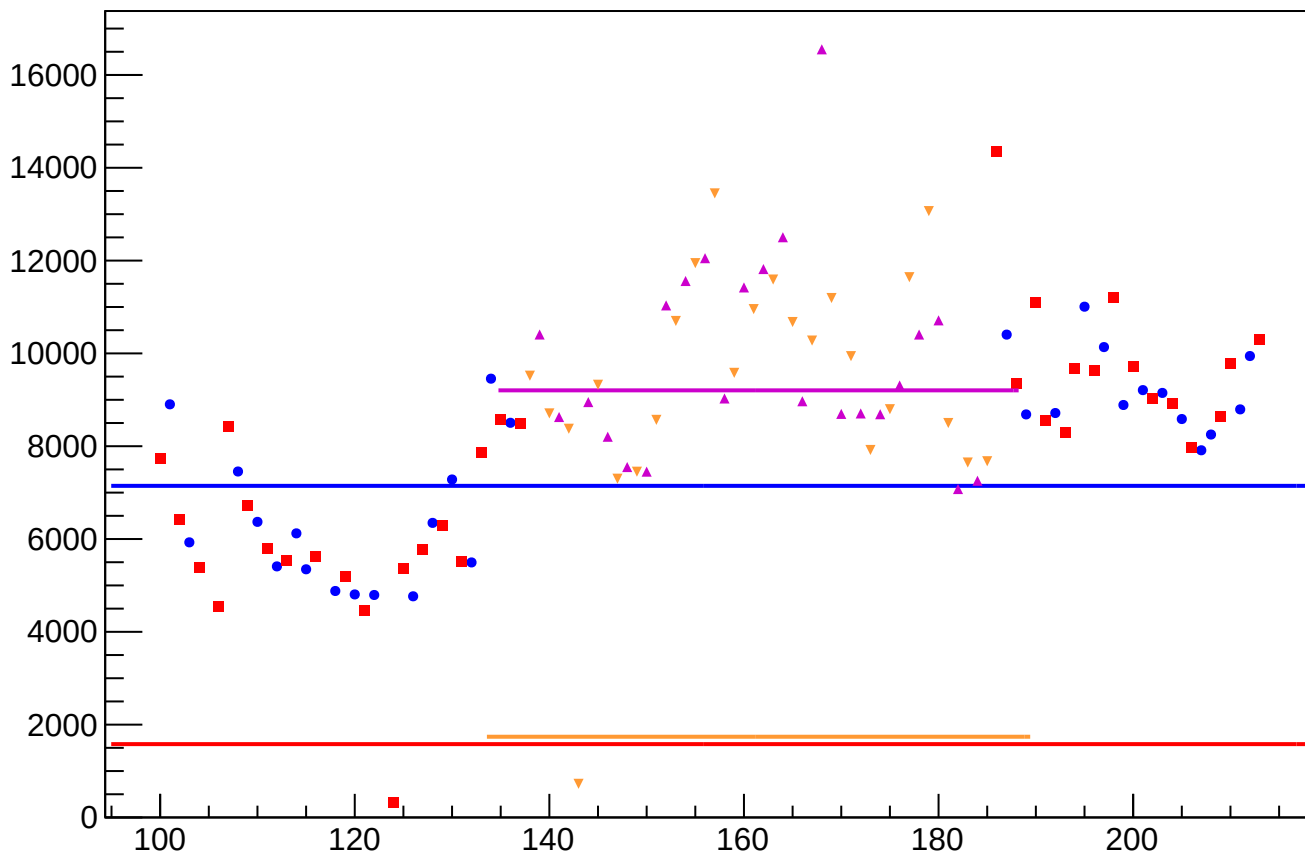
Left In: 209.500 ± 2195.055 χ^2/NDF : 13.4/22

+ sign -1029.966 ± 696.835 χ^2/NDF : 61.6/53

All: -631.195 ± 494.283 χ^2/NDF : 127.1/110

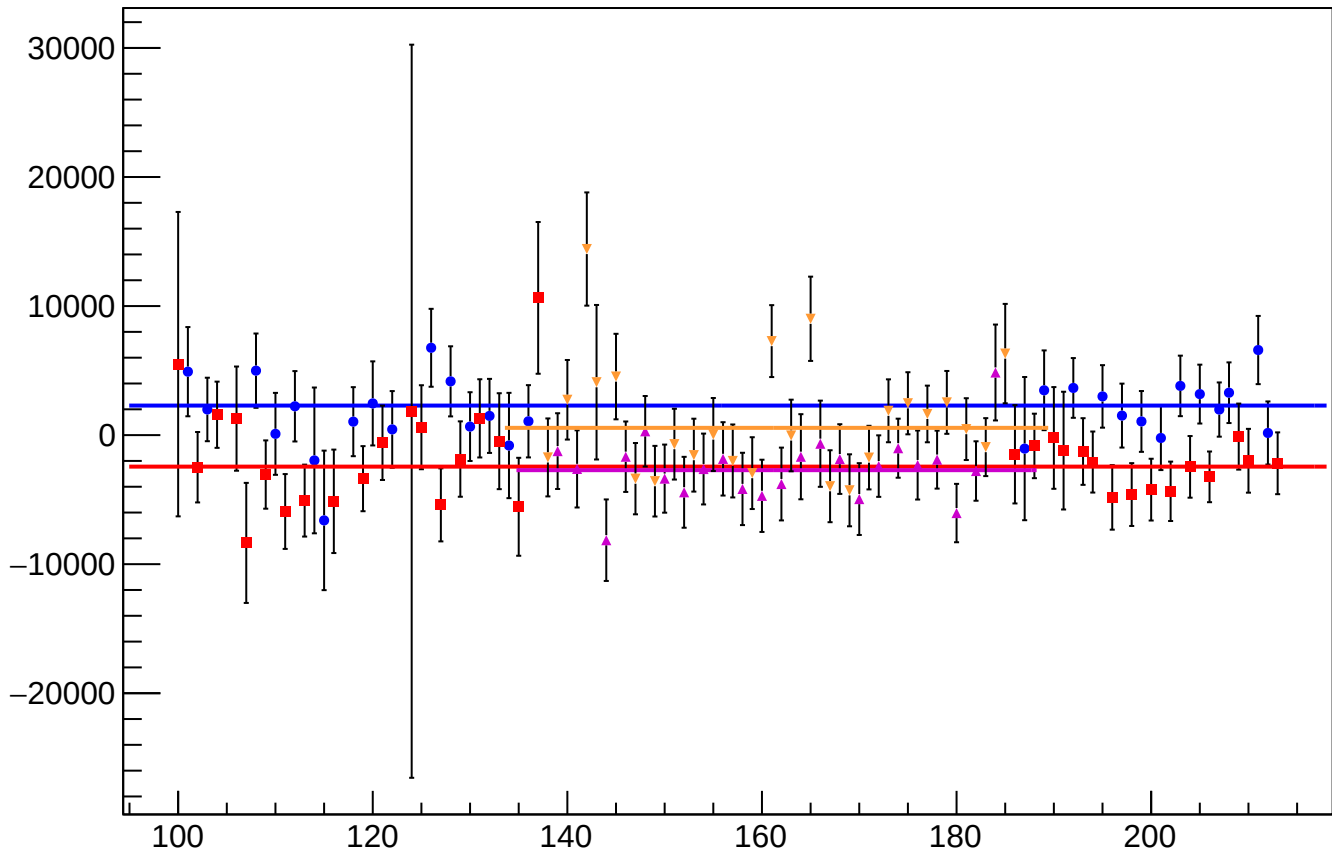
- sign -227.381 ± 701.228 χ^2/NDF : 64.8/56

asym_atl2_cor_correction_rms vs Slug



Right In: 7145.908+/-1.254	χ^2/NDF : 2239577.8/28	+ sign 2573.545+/-0.493	χ^2/NDF : 45682723.4/53
Left Out: 1739.457+/-0.536	χ^2/NDF : 27735092.1/24	All: 2466.592+/-0.350	χ^2/NDF : 97231977.8/1
Right Out: 1580.286+/-0.523	χ^2/NDF : 28520595.5/33	- sign 2358.285+/-0.496	χ^2/NDF : 51454428.1/56
Left In: 9203.744+/-1.552	χ^2/NDF : 1272079.0/22		

eigen_cor_asym_atl2_mean vs Slug



Right In: 2289.404 $\pm$ 512.783 χ^2 /NDF: 16.2/28

Left Out: 562.392 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2441.378 $\pm$ 497.725 χ^2 /NDF: 23.3/33

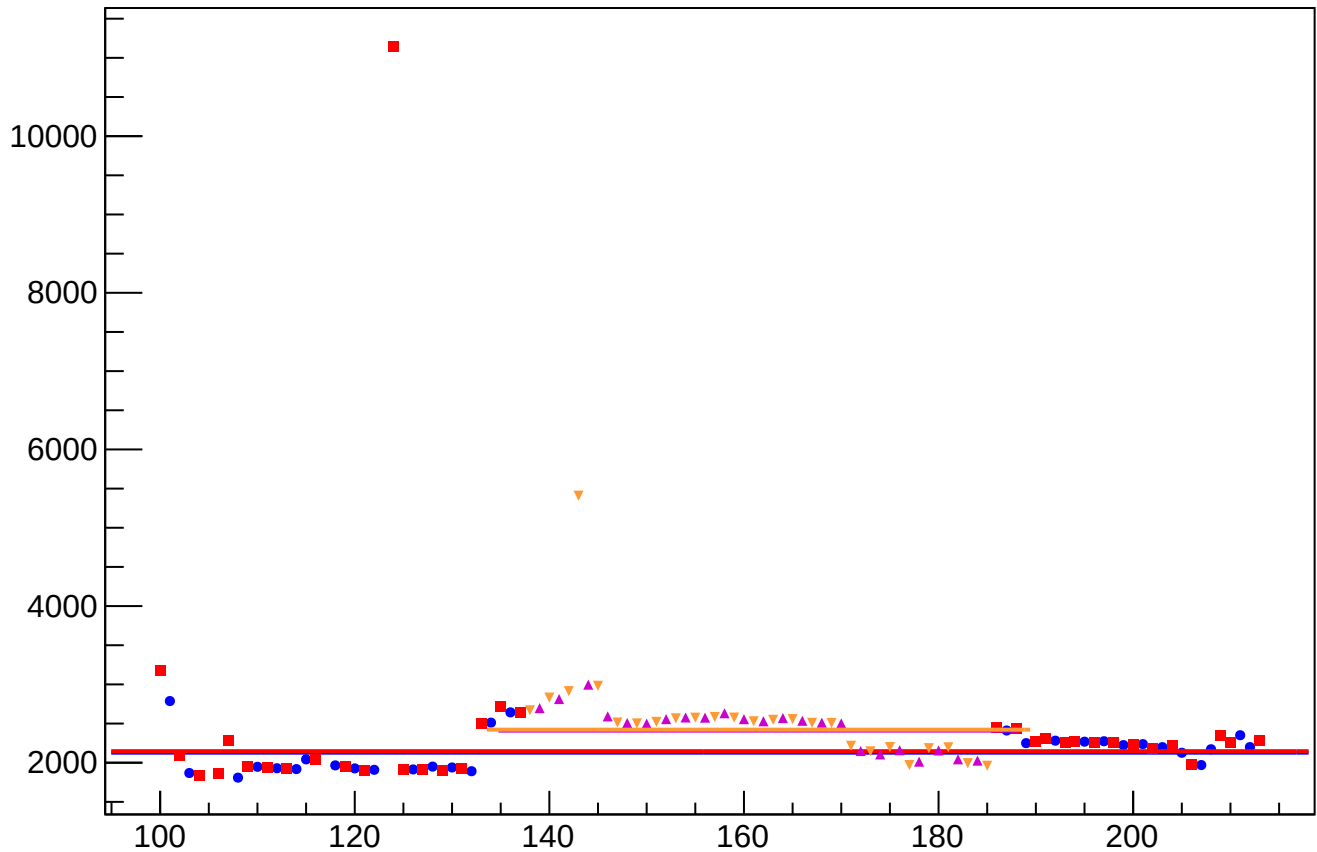
Left In: -2716.163 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1497.645 $\pm$ 377.355 χ^2 /NDF: 65.4/53

All: -550.841 $\pm$ 265.573 χ^2 /NDF: 161.5/110

- sign -2561.157 $\pm$ 373.823 χ^2 /NDF: 37.7/56

eigen_cor_asym_atl2_rms vs Slug



Right In: 2128.470+/-0.363 χ^2/NDF : 361004.5/28

Left Out: 2422.152+/-0.394 χ^2/NDF : 952857.9/24

Right Out: 2147.289+/-0.352 χ^2/NDF : 550223.0/33

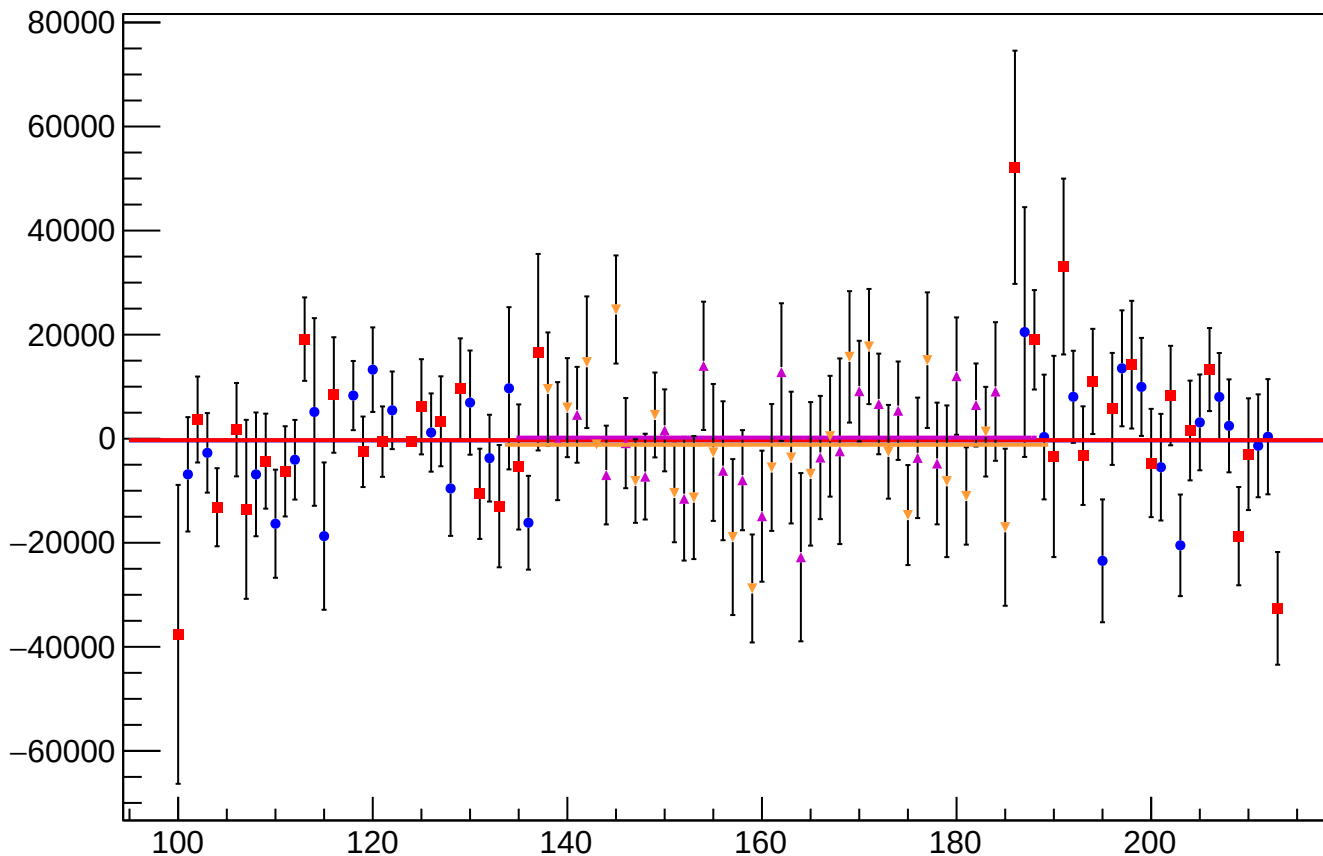
Left In: 2409.820+/-0.400 χ^2/NDF : 428364.2/22

+ sign 2263.110+/-0.267 χ^2/NDF : 1614618.9/53

All: 2262.412+/-0.188 χ^2/NDF : 2835769.0/11

- sign 2261.727+/-0.264 χ^2/NDF : 1221136.6/56

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -328.241 ± 1774.109 χ^2/NDF : 29.5/28

Left Out: -1157.974 ± 757.732 χ^2/NDF : 31.9/24

Right Out: -277.034 ± 740.004 χ^2/NDF : 51.4/33

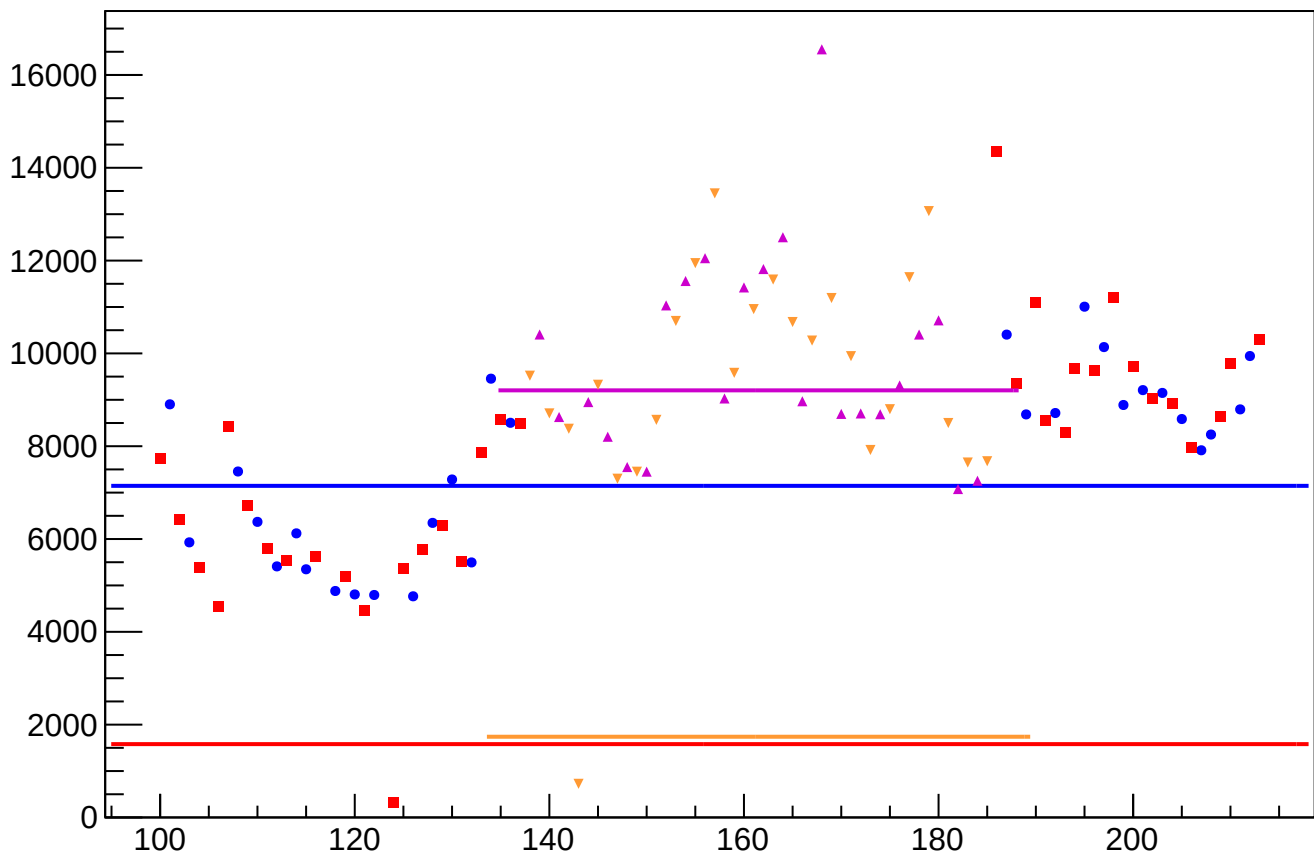
Left In: 209.500 ± 2195.055 χ^2/NDF : 13.4/22

+ sign -1029.966 ± 696.835 χ^2/NDF : 61.6/53

All: -631.195 ± 494.283 χ^2/NDF : 127.1/110

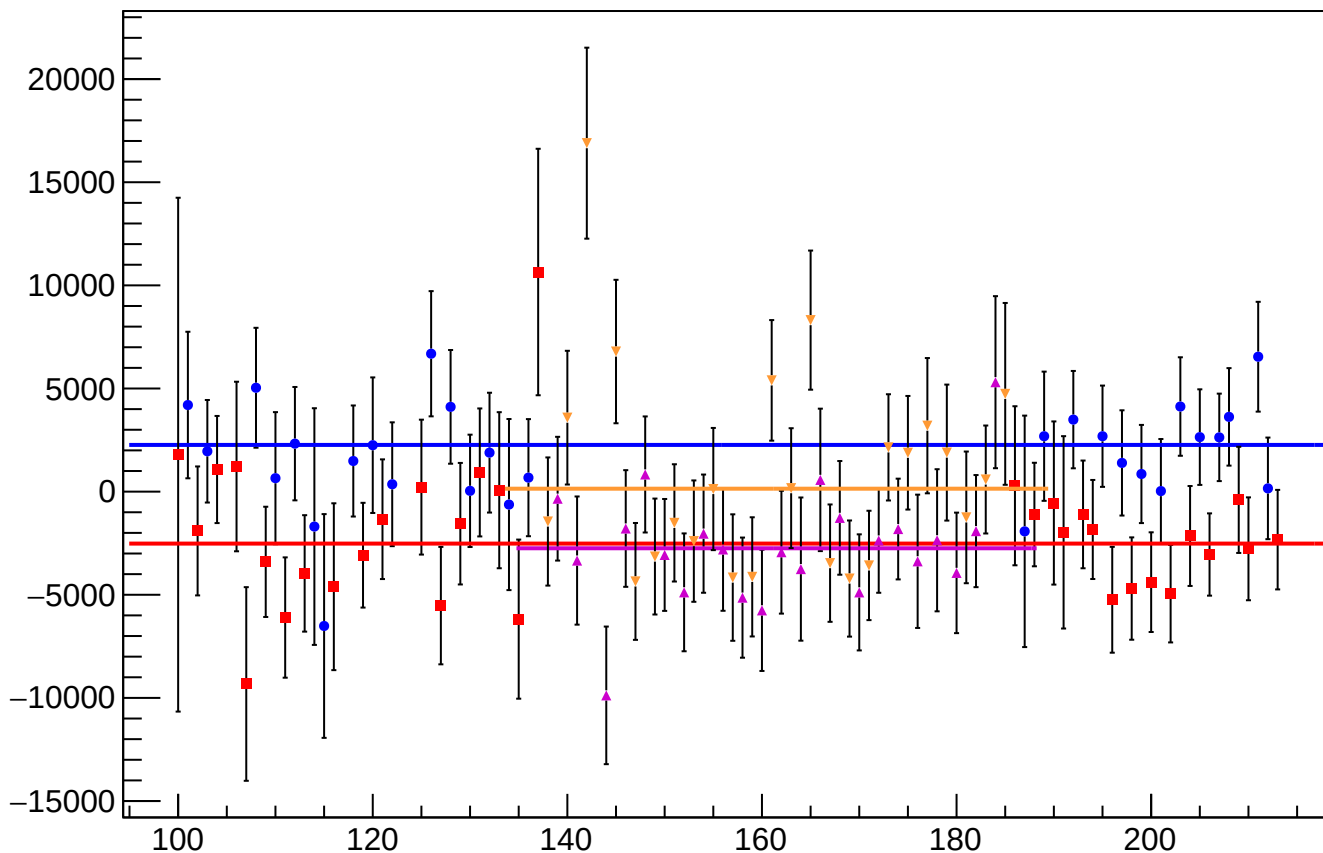
- sign -227.381 ± 701.228 χ^2/NDF : 64.8/56

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7145.908+/-1.254	χ^2/NDF : 2239577.8/28	+ sign 2573.545+/-0.493	χ^2/NDF : 45682723.4/53
Left Out: 1739.457+/-0.536	χ^2/NDF : 27735092.1/24	All: 2466.592+/-0.350	χ^2/NDF : 97231977.8/1
Right Out: 1580.286+/-0.523	χ^2/NDF : 28520595.5/33	- sign 2358.285+/-0.496	χ^2/NDF : 51454428.1/56
Left In: 9203.744+/-1.552	χ^2/NDF : 1272079.0/22		

dit_asym_atl2_mean vs Slug



Right In: 2264.697 $\pm$ 519.390 χ^2 /NDF: 15.5/28

Left Out: 142.497 $\pm$ 615.731 χ^2 /NDF:45.8/23

Right Out: -2518.930 $\pm$ 505.893 χ^2 /NDF: 22.6/32

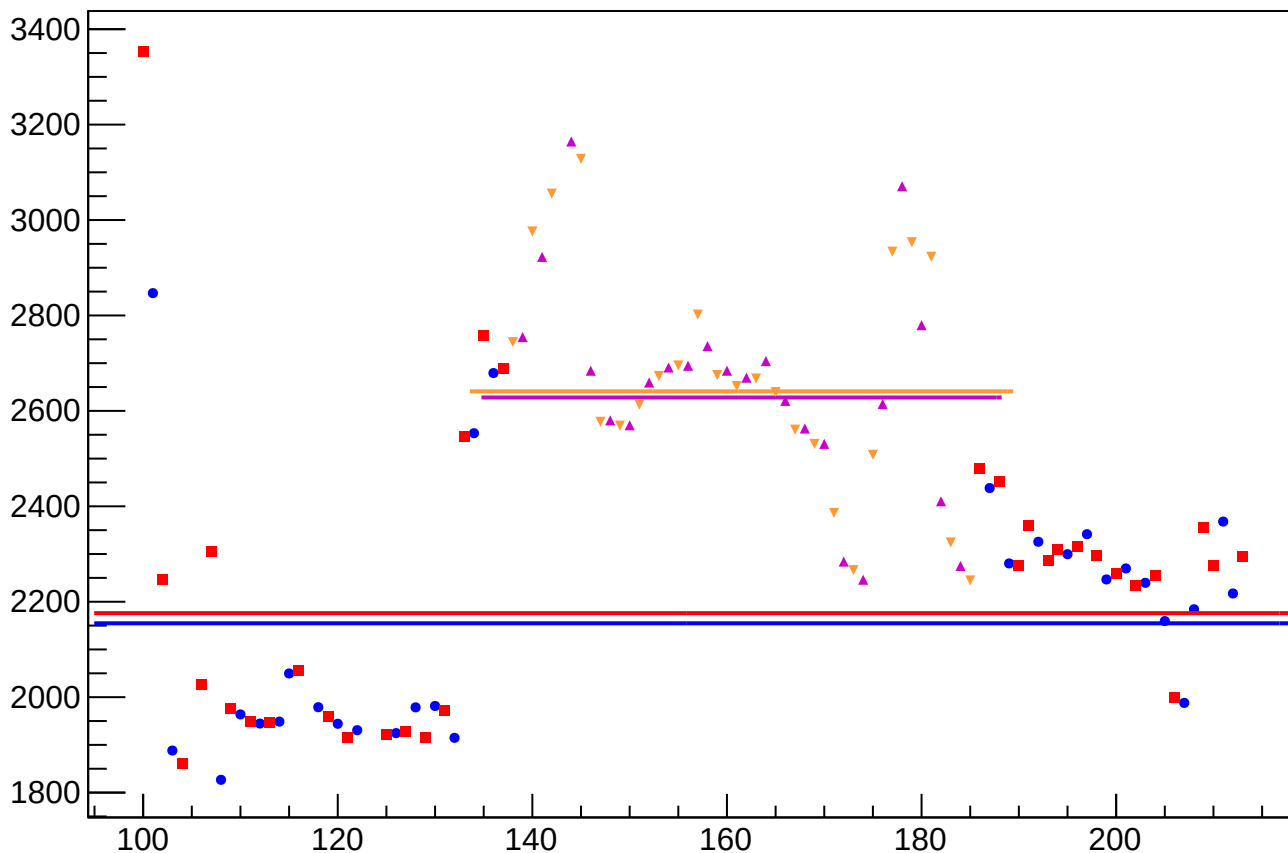
Left In: -2745.982 $\pm$ 616.123 χ^2 /NDF:15.4/22

+ sign 1382.426 $\pm$ 397.008 χ^2 /NDF: 68.3/52

All: -644.500 $\pm$ 278.572 χ^2 /NDF: 157.7/108

- sign -2610.363 $\pm$ 390.982 χ^2 /NDF: 38.1/55

dit_asym_atl2_rms vs Slug



Right In: 2154.813+/-0.367 χ^2 /NDF: 375532.8/28

Left Out: 2640.990+/-0.435 χ^2 /NDF: 253402.6/23

Right Out: 2176.155+/-0.357 χ^2 /NDF: 353245.0/32

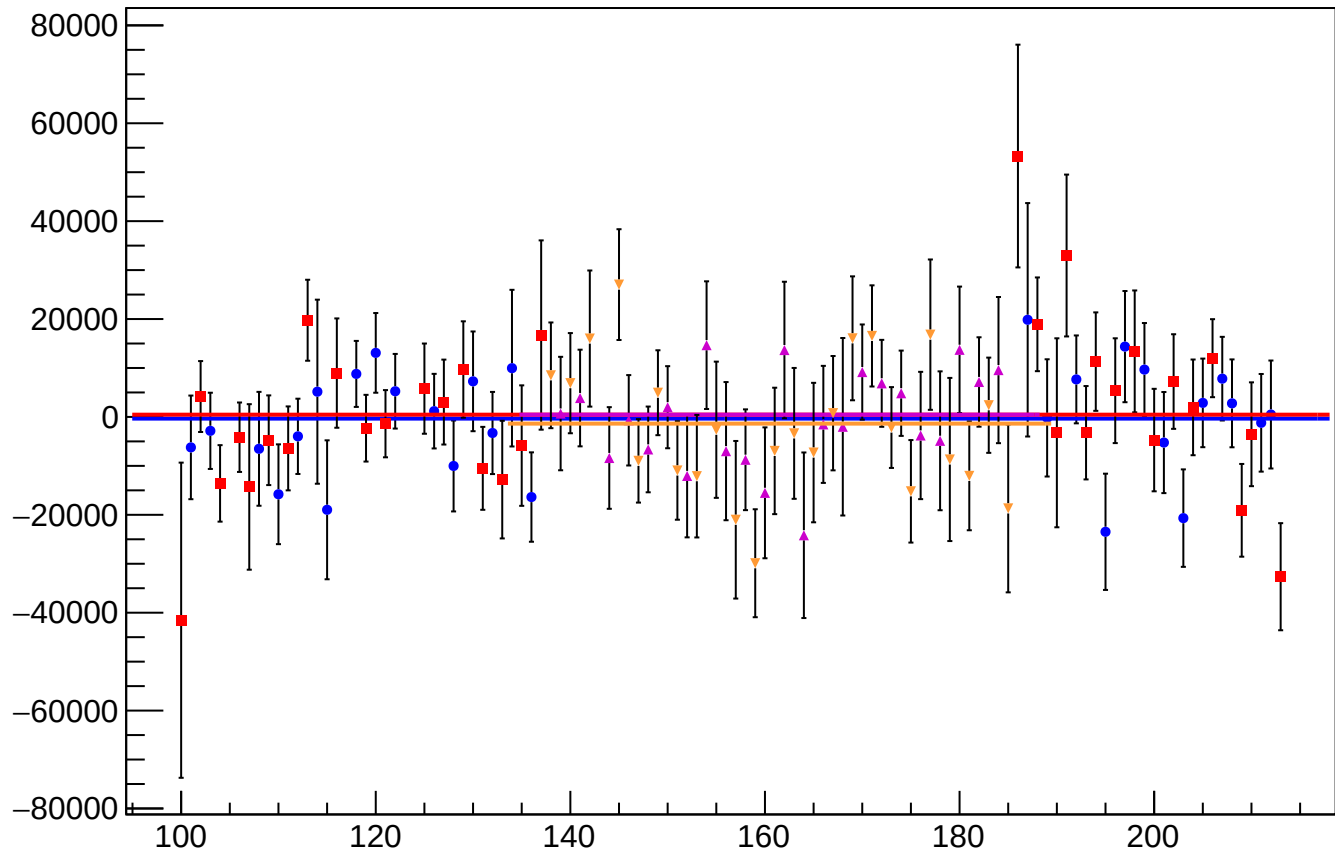
Left In: 2628.113+/-0.436 χ^2 /NDF: 237507.6/22

+ sign 2356.934+/-0.281 χ^2 /NDF: 1357464.7/52

All: 2357.483+/-0.197 χ^2 /NDF: 2591377.7/10

- sign 2358.016+/-0.276 χ^2 /NDF: 1233905.5/55

asym_atl2_dit_correction_mean vs Slug



Right In: -341.890 ± 1787.475 χ^2/NDF : 29.1/28

Left Out: -1366.840 ± 2326.289 χ^2/NDF : 31.3/23

Right Out: 458.869 ± 1700.534 χ^2/NDF : 50.8/32

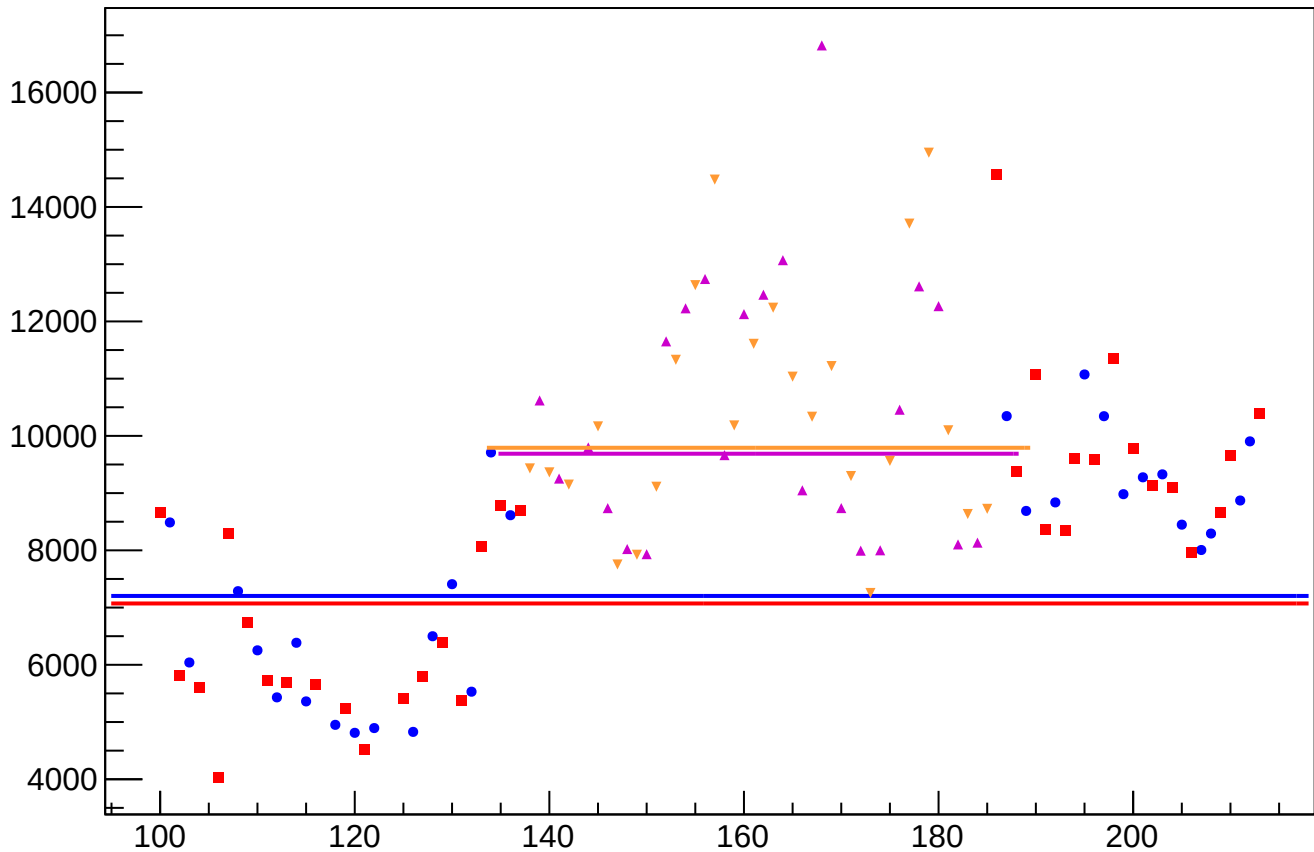
Left In: 463.775 ± 2314.478 χ^2/NDF : 13.1/22

+ sign -722.383 ± 1417.378 χ^2/NDF : 60.4/52

All: -110.968 ± 985.209 χ^2/NDF : 124.7/108

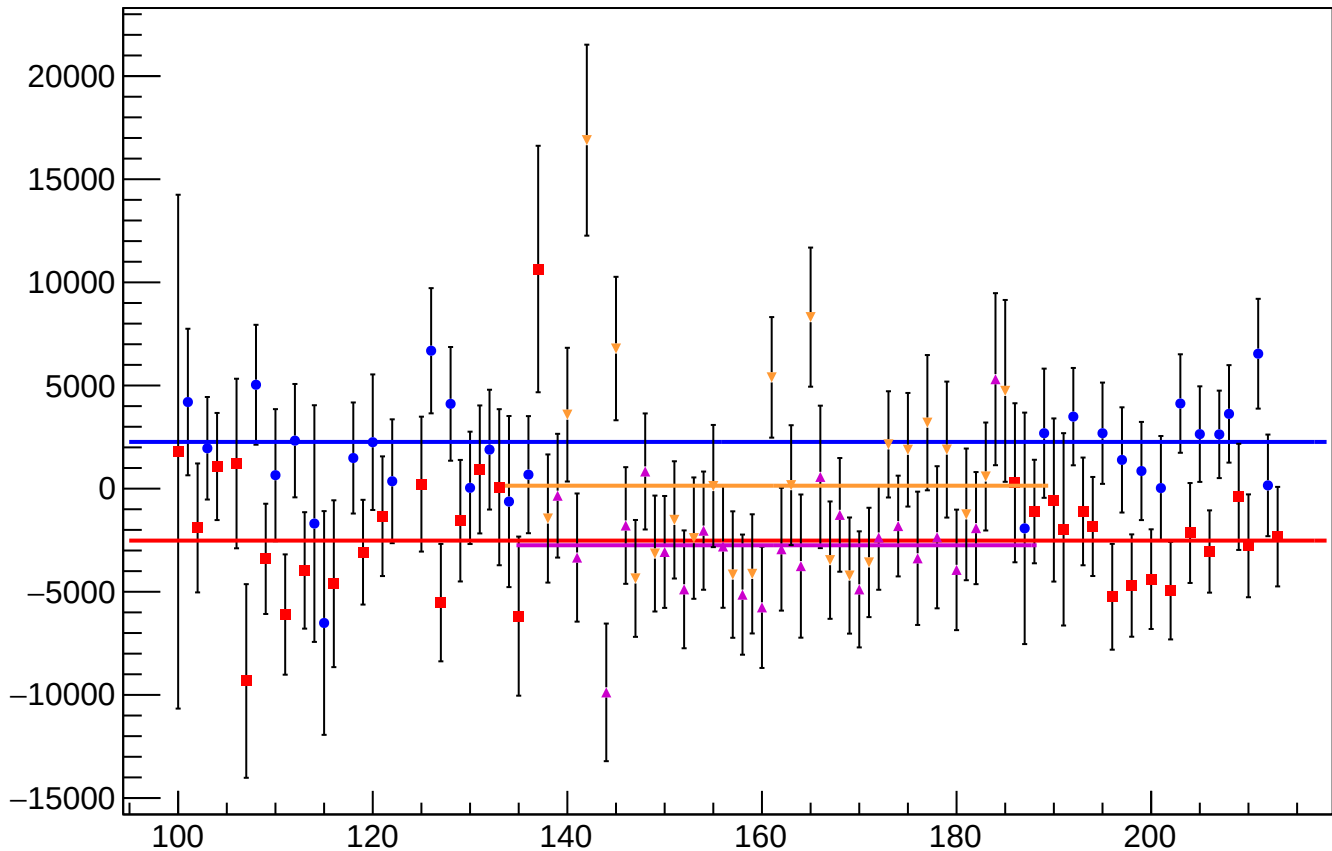
- sign 460.589 ± 1370.401 χ^2/NDF : 63.9/55

asym_atl2_dit_correction_rms vs Slug



Right In: 7203.250+/-1.264	χ^2/NDF : 2196541.5/28	+ sign 8164.360+/-1.002	χ^2/NDF : 4973191.7/52
Left Out: 9792.234+/-1.645	χ^2/NDF : 1219062.5/23	All: 8073.692+/-0.697	χ^2/NDF : 11001742.0/1
Right Out: 7071.616+/-1.202	χ^2/NDF : 2974532.4/32	- sign 7988.935+/-0.969	χ^2/NDF : 6012715.8/55
Left In: 9688.179+/-1.637	χ^2/NDF : 1378173.6/22		

eigen_dit_asym_atl2_mean vs Slug



Right In: 2264.699 $\pm$ 519.390 χ^2 /NDF: 15.5/28

Left Out: 142.487 $\pm$ 615.732 χ^2 /NDF:45.8/23

Right Out: -2518.927 $\pm$ 505.893 χ^2 /NDF: 22.6/32

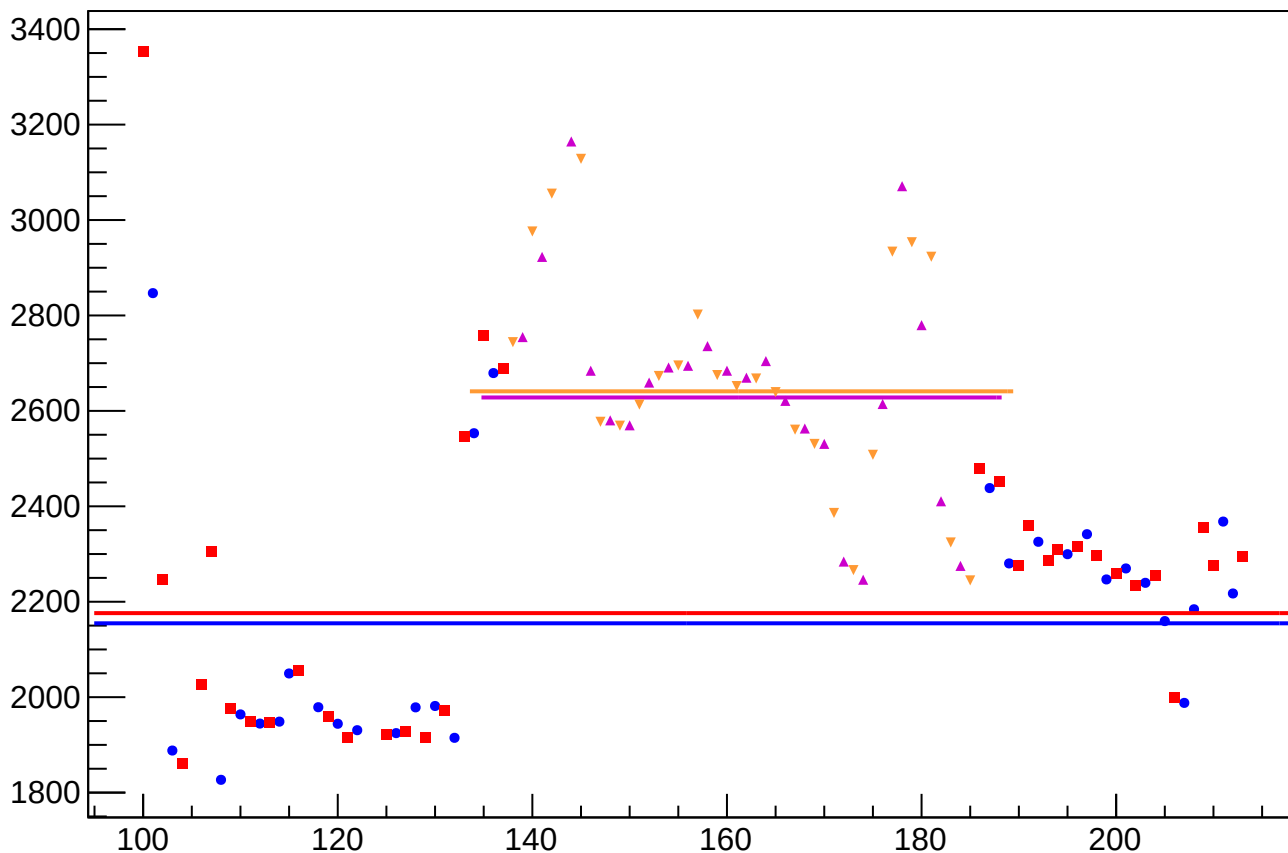
Left In: -2745.980 $\pm$ 616.124 χ^2 /NDF:15.4/22

+ sign 1382.424 $\pm$ 397.008 χ^2 /NDF: 68.3/52

All: -644.500 $\pm$ 278.572 χ^2 /NDF: 157.7/108

- sign -2610.361 $\pm$ 390.982 χ^2 /NDF: 38.1/55

eigen_dit_asym_atl2_rms vs Slug



Right In: 2154.814+/-0.367 χ^2/NDF : 375532.8/28

Left Out: 2640.993+/-0.435 χ^2/NDF :253411.8/23

Right Out: 2176.155+/-0.357 χ^2/NDF : 353245.6/32

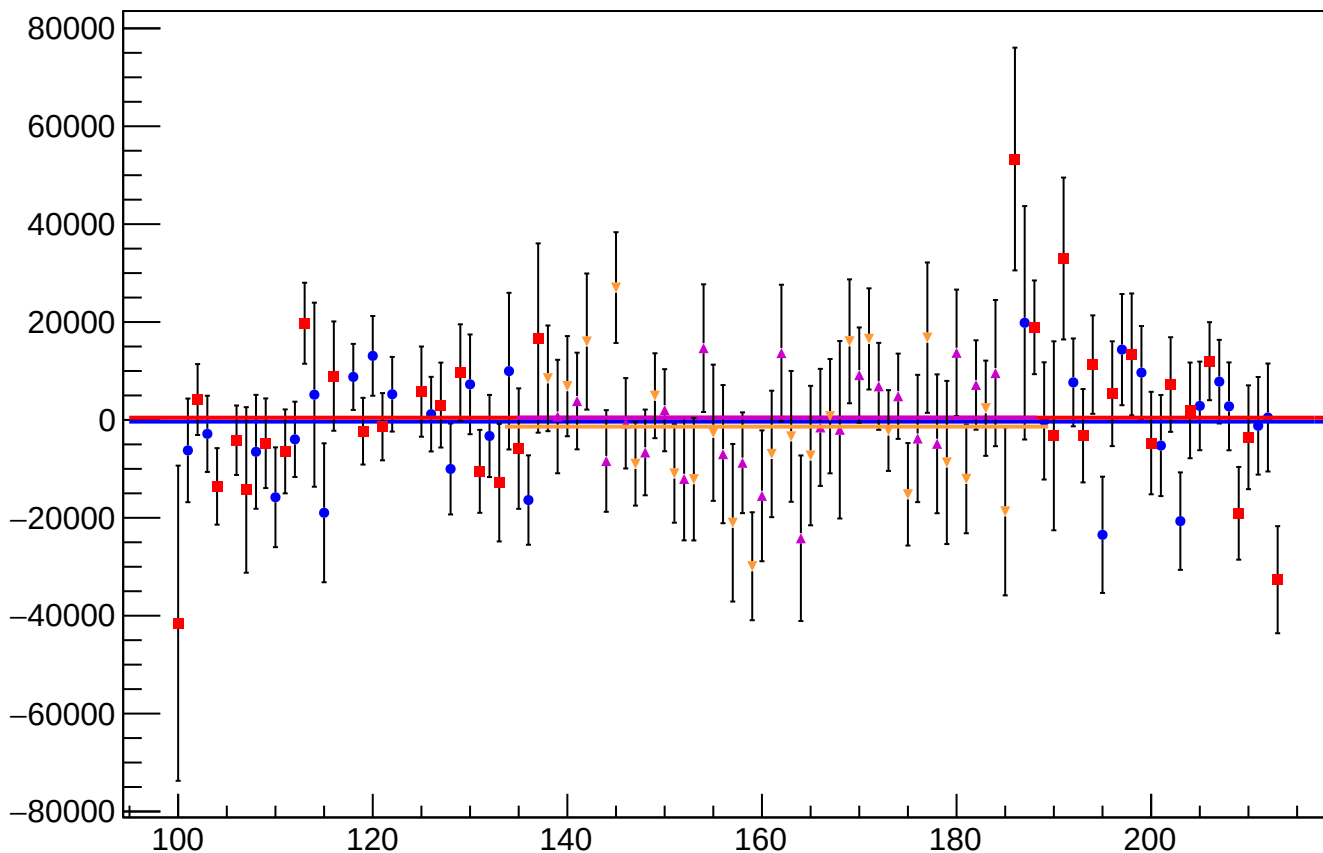
Left In: 2628.116+/-0.436 χ^2/NDF :237516.8/22

+ sign 2356.935+/-0.281 χ^2/NDF : 1357479.4/52

All: 2357.484+/-0.197 χ^2/NDF : 2591407.9/10

- sign 2358.016+/-0.276 χ^2/NDF : 1233921.0/55

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -341.884 ± 1787.473 χ^2/NDF : 29.1/28

Left Out: -1366.849 ± 2326.293 χ^2/NDF : 31.3/23

Right Out: 458.861 ± 1700.533 χ^2/NDF : 50.8/32

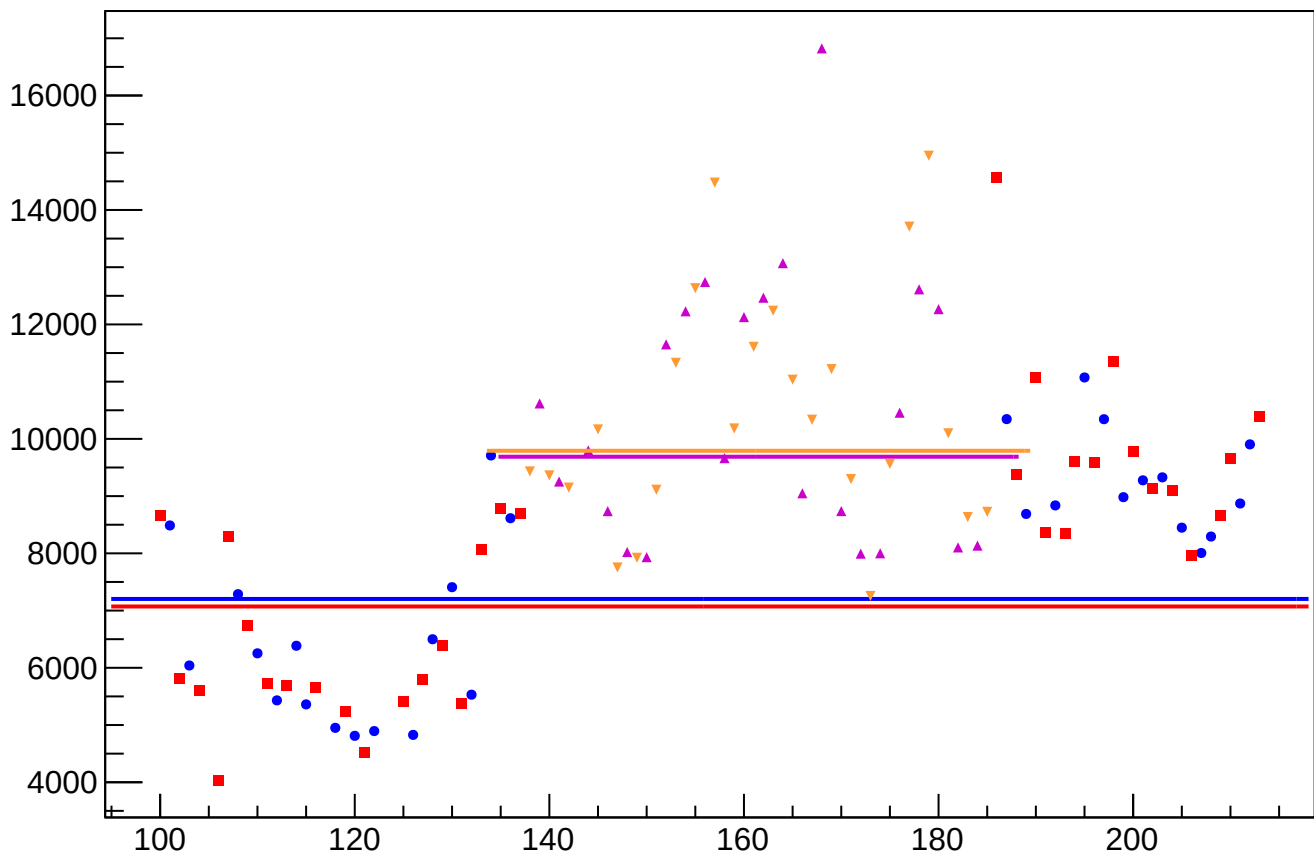
Left In: 463.777 ± 2314.482 χ^2/NDF : 13.1/22

+ sign -722.381 ± 1417.378 χ^2/NDF : 60.4/52

All: -110.970 ± 985.209 χ^2/NDF : 124.7/108

- sign 460.585 ± 1370.401 χ^2/NDF : 63.9/55

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7203.240+/-1.264 χ^2/NDF : 2196587.3/28

Left Out: 9792.251+/-1.645 χ^2/NDF : 1219062.8/23

Right Out: 7071.604+/-1.202 χ^2/NDF : 2974572.0/32

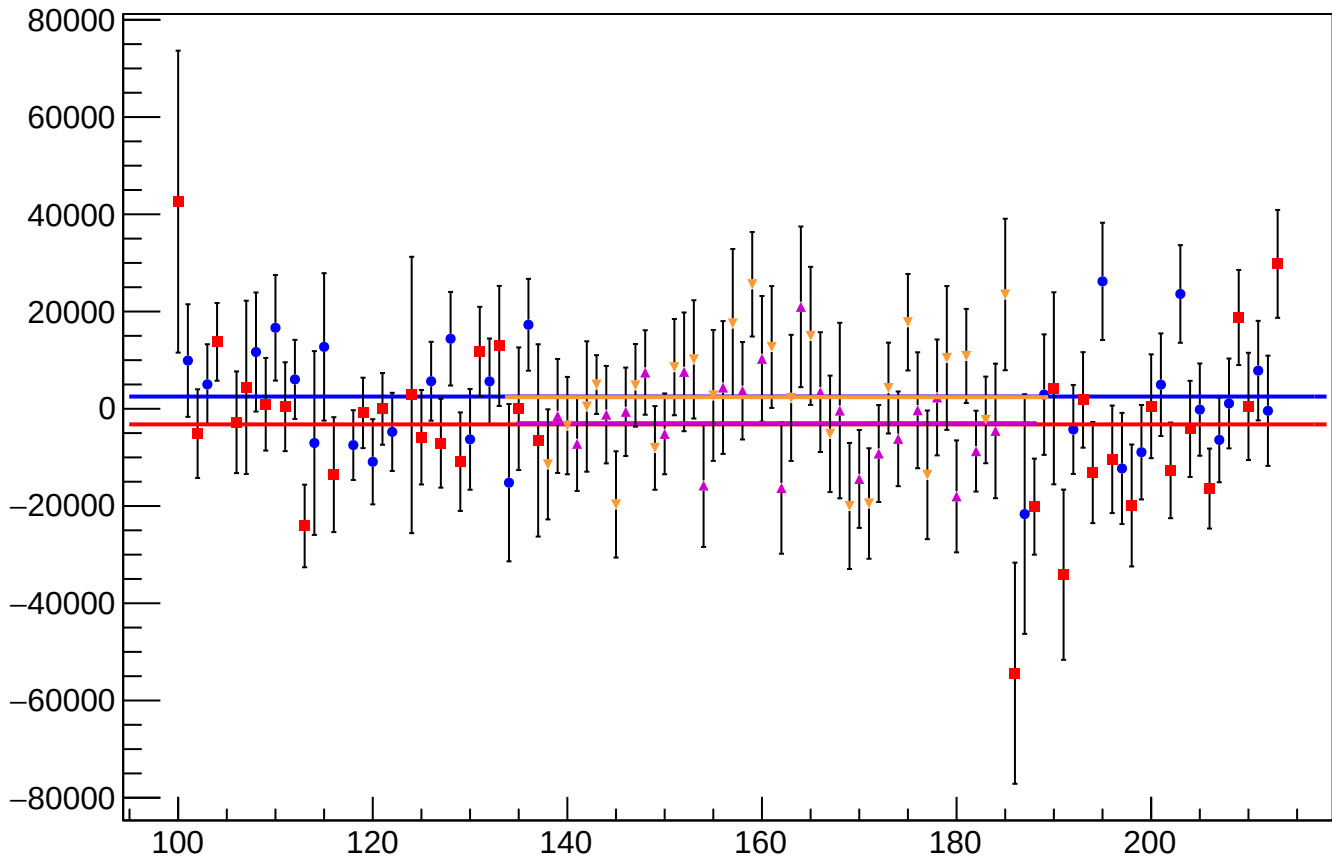
Left In: 9688.194+/-1.637 χ^2/NDF : 1378175.1/22

+ sign 8164.357+/-1.002 χ^2/NDF : 4973268.4/52

All: 8073.688+/-0.697 χ^2/NDF : 11001892.8/100

- sign 7988.930+/-0.969 χ^2/NDF : 6012789.6/55

asym_atl2_mean vs Slug



Right In: 2515.515+/-1863.009 χ^2/NDF : 29.3/28

Left Out: 2387.857+/-2136.530 χ^2/NDF : 29.7/24

Right Out: -3207.152+/-1806.748 χ^2/NDF : 52.0/33

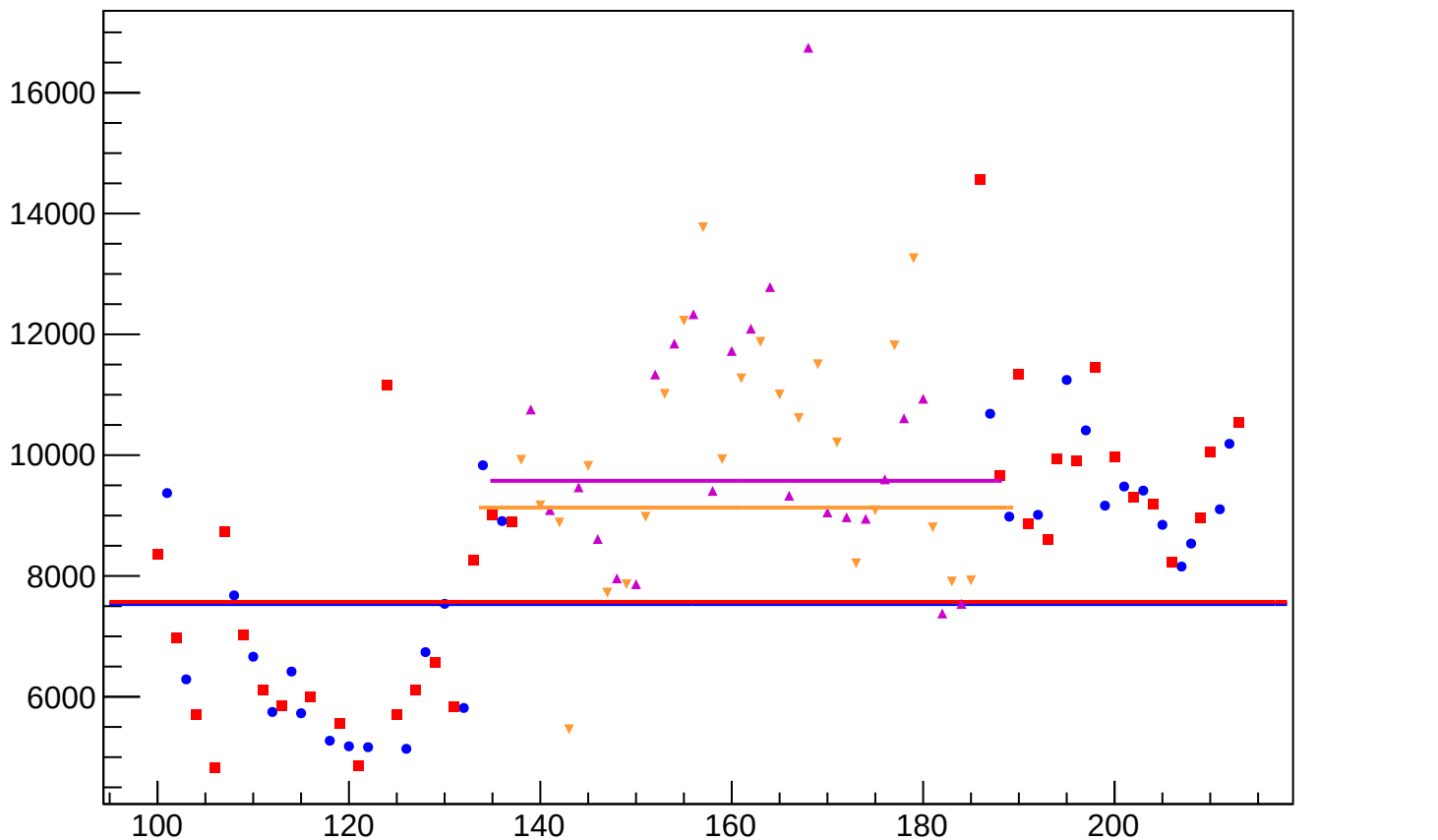
Left In: -2963.537+/-2278.927 χ^2/NDF : 13.0/22

+ sign 2460.376+/-1404.157 χ^2/NDF : 59.1/53

All: -303.389+/-996.976 χ^2/NDF : 131.8/110

- sign -3113.128+/-1415.788 χ^2/NDF : 64.9/56

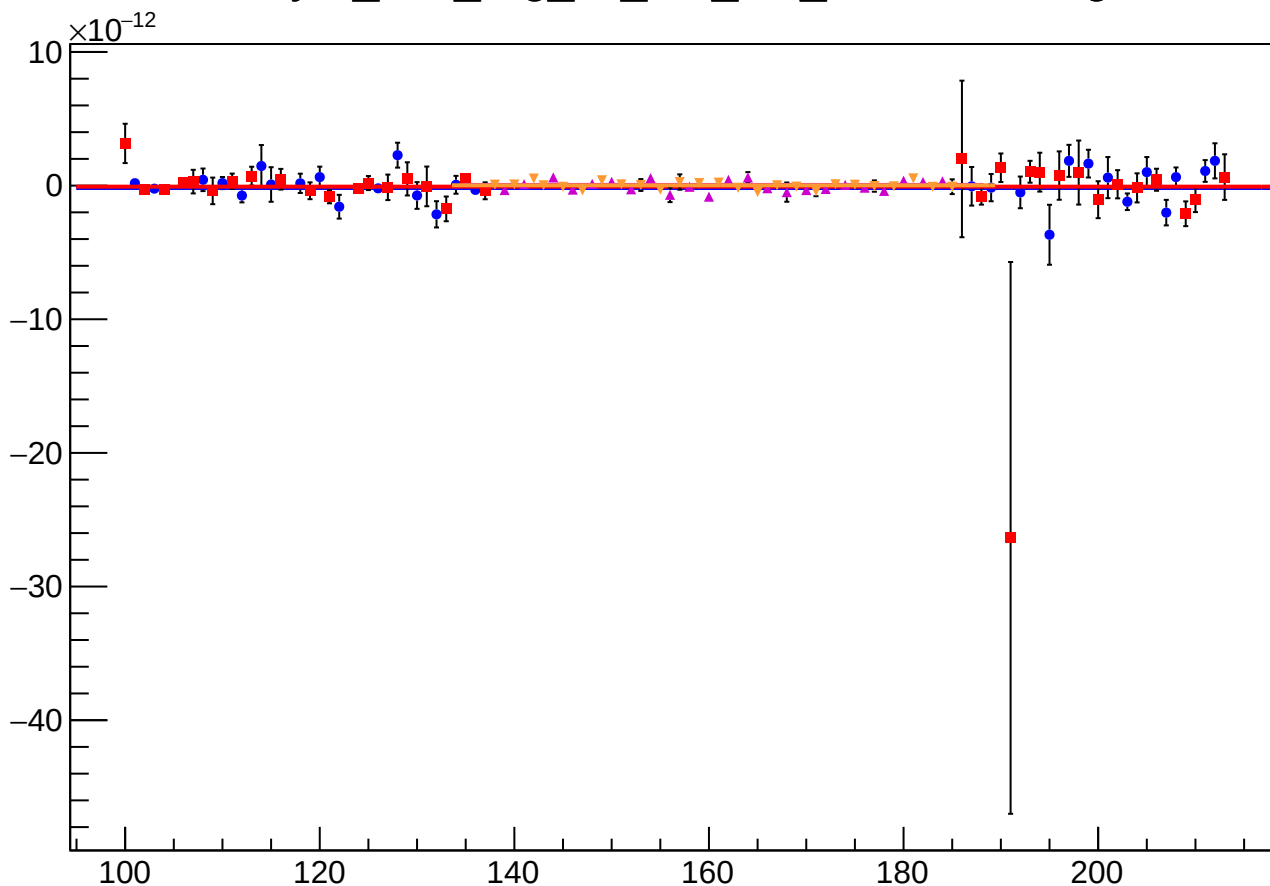
asym_atl2_rms vs Slug



Right In: 7534.796 ± 1.317 χ^2/NDF : 1955971.1/28
 Left Out: 9131.714 ± 1.511 χ^2/NDF : 1811661.2/24
 Right Out: 7570.332 ± 1.278 χ^2/NDF : 2437604.3/33
 Left In: 9575.233 ± 1.611 χ^2/NDF : 1153802.3/22

+ sign 8224.552 ± 0.993 χ^2/NDF : 4402348.3/53
 All: 8283.848 ± 0.705 χ^2/NDF : 8951456.9/11
 - sign 8344.130 ± 1.001 χ^2/NDF : 4541916.2/56

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 43.4/28

Left Out: 0.000+/-0.000 χ^2 /NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 35.5/33

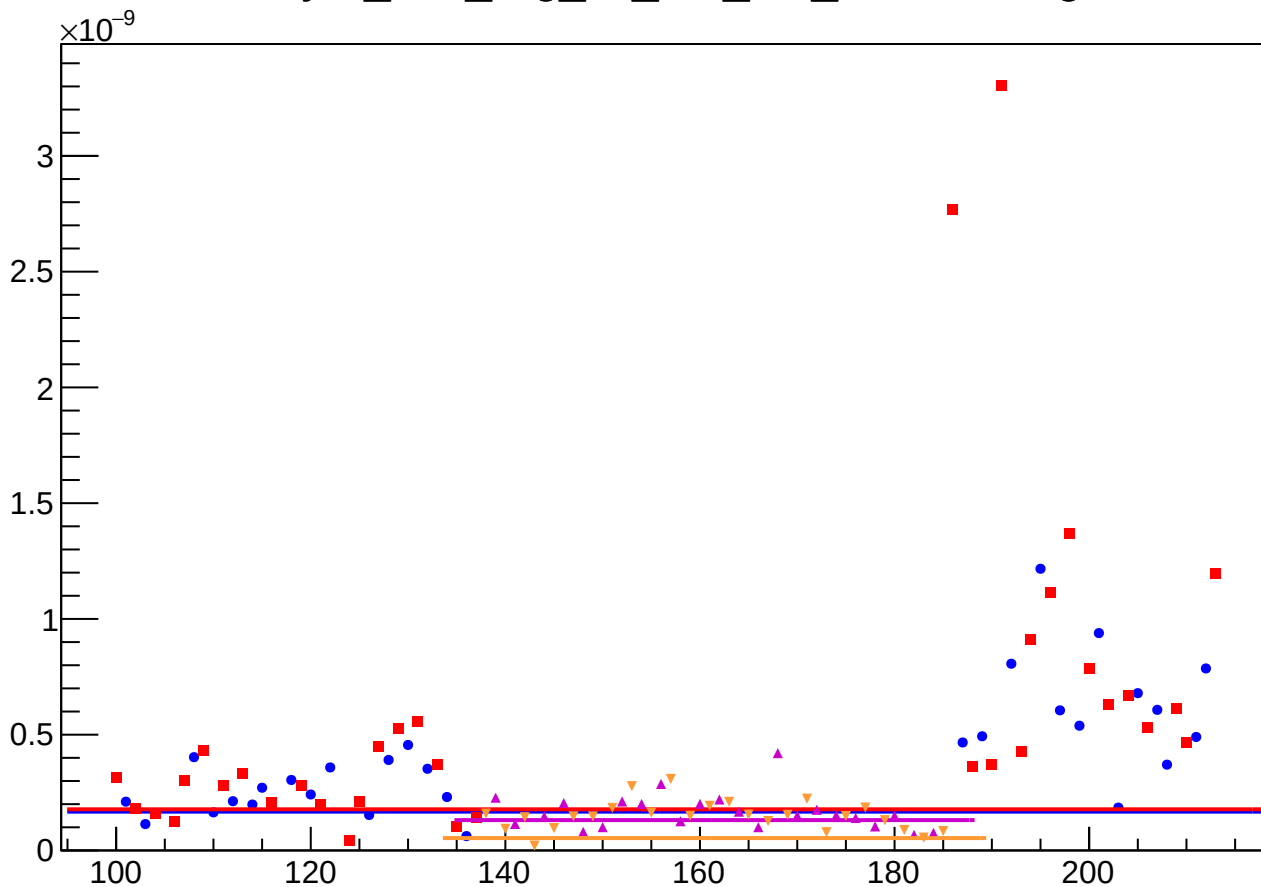
Left In: 0.000+/-0.000 χ^2 /NDF:36.8/22

+ sign 0.000+/-0.000 χ^2 /NDF: 65.8/53

All: 0.000+/-0.000 χ^2 /NDF: 139.6/110

- sign 0.000+/-0.000 χ^2 /NDF: 73.7/56

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6134881.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7244510.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8003646.9/33

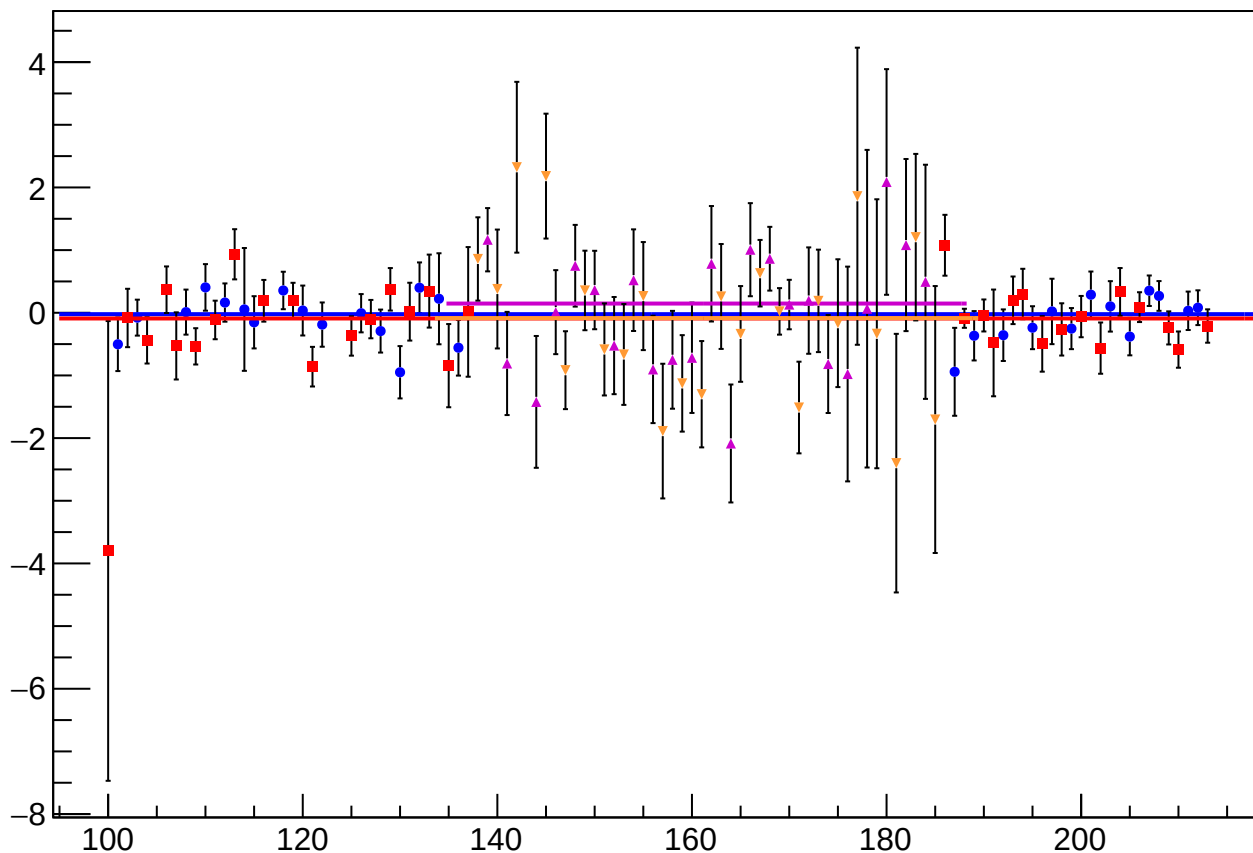
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1904207.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 16277461.8/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 30741965.6/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 10294767.3/56

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.022 ± 0.066 χ^2/NDF : 23.5/28

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.091 ± 0.059 χ^2/NDF : 40.5/32

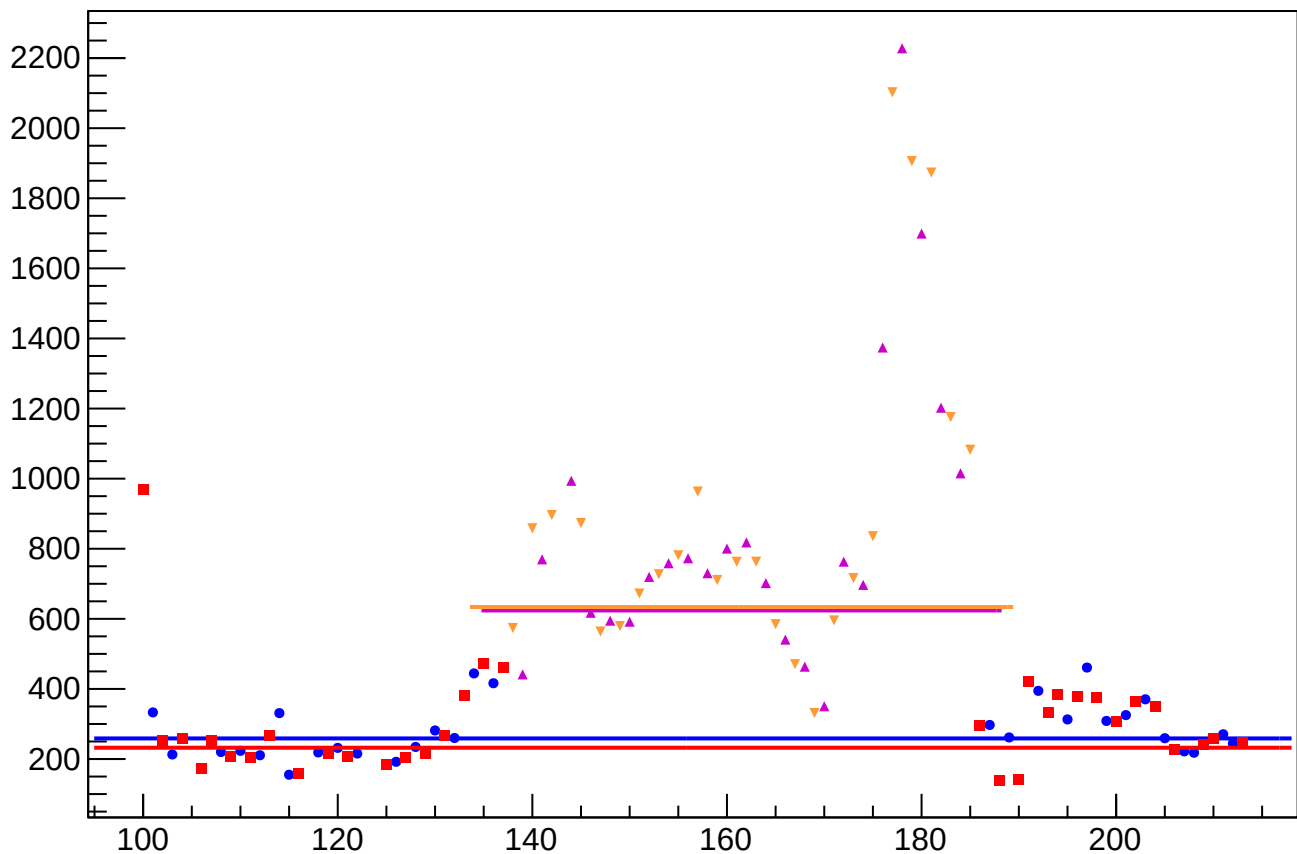
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.031 ± 0.061 χ^2/NDF : 53.8/52

All: -0.048 ± 0.041 χ^2/NDF : 122.9/108

- sign -0.062 ± 0.055 χ^2/NDF : 68.9/55

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 258.776+/-0.046 χ^2/NDF : 1855797.4/28

Left Out: 633.674+/-0.114 χ^2/NDF : 4994105.8/23

Right Out: 232.241+/-0.041 χ^2/NDF : 3438161.2/32

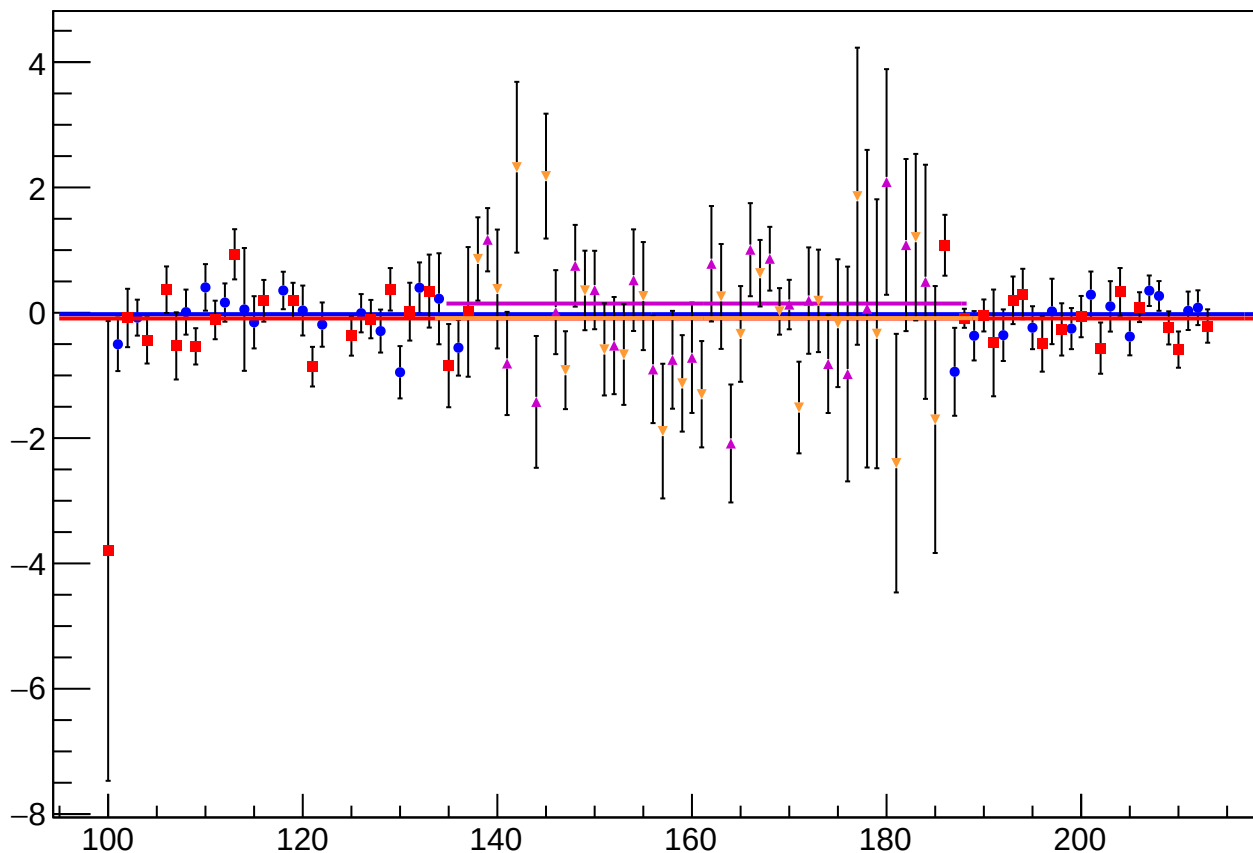
Left In: 623.916+/-0.112 χ^2/NDF : 4541431.8/22

+ sign 311.889+/-0.043 χ^2/NDF : 16108224.6/52

All: 294.015+/-0.029 χ^2/NDF : 35183377.8/10

- sign 279.418+/-0.039 χ^2/NDF : 18760750.9/55

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022 ± 0.066 χ^2/NDF : 23.5/28

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.091 ± 0.059 χ^2/NDF : 40.5/32

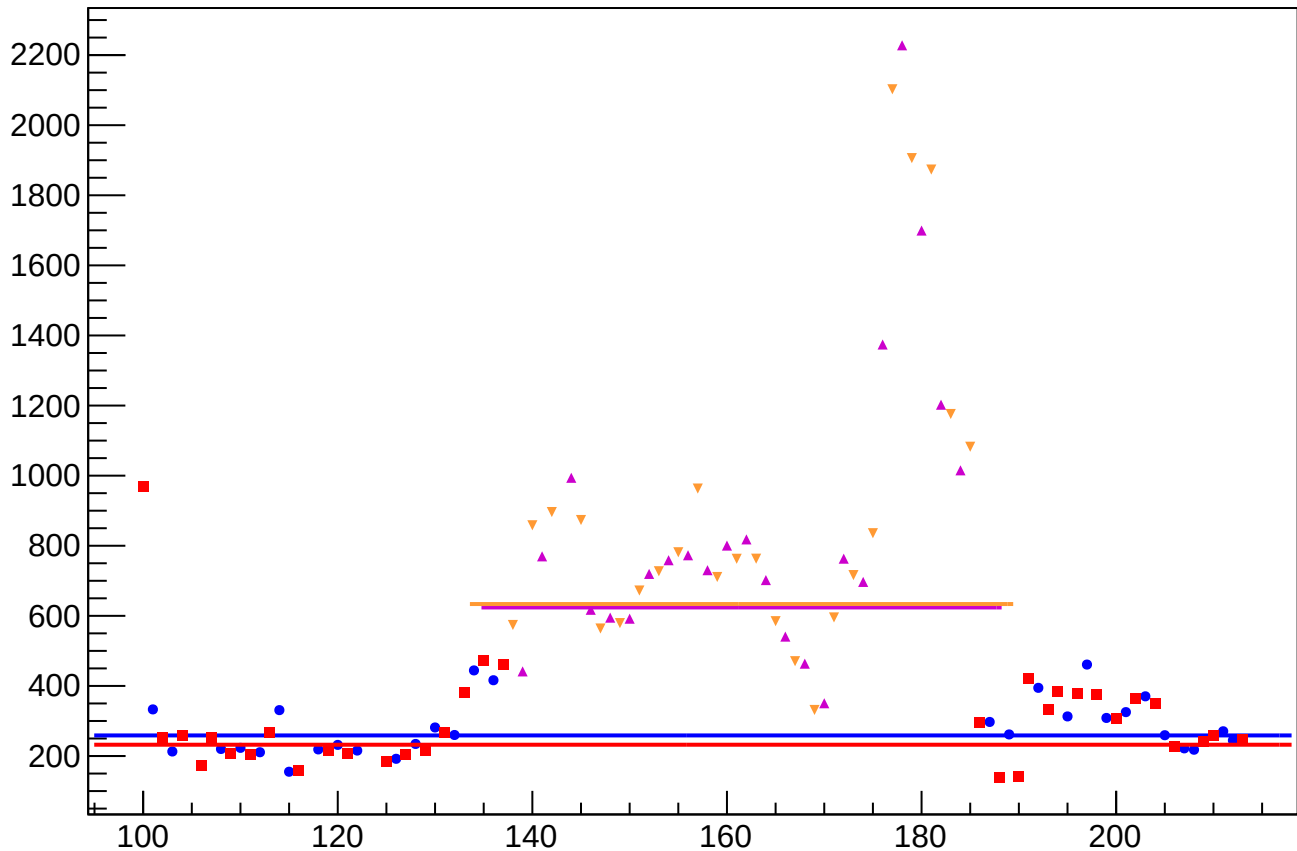
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.031 ± 0.061 χ^2/NDF : 53.8/52

All: -0.048 ± 0.041 χ^2/NDF : 122.9/108

- sign -0.062 ± 0.055 χ^2/NDF : 68.9/55

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 258.776 $\pm$ 0.046 χ^2 /NDF: 1855797.4/28

Left Out: 633.674 $\pm$ 0.114 χ^2 /NDF: 4994105.8/23

Right Out: 232.241 $\pm$ 0.041 χ^2 /NDF: 3438161.2/32

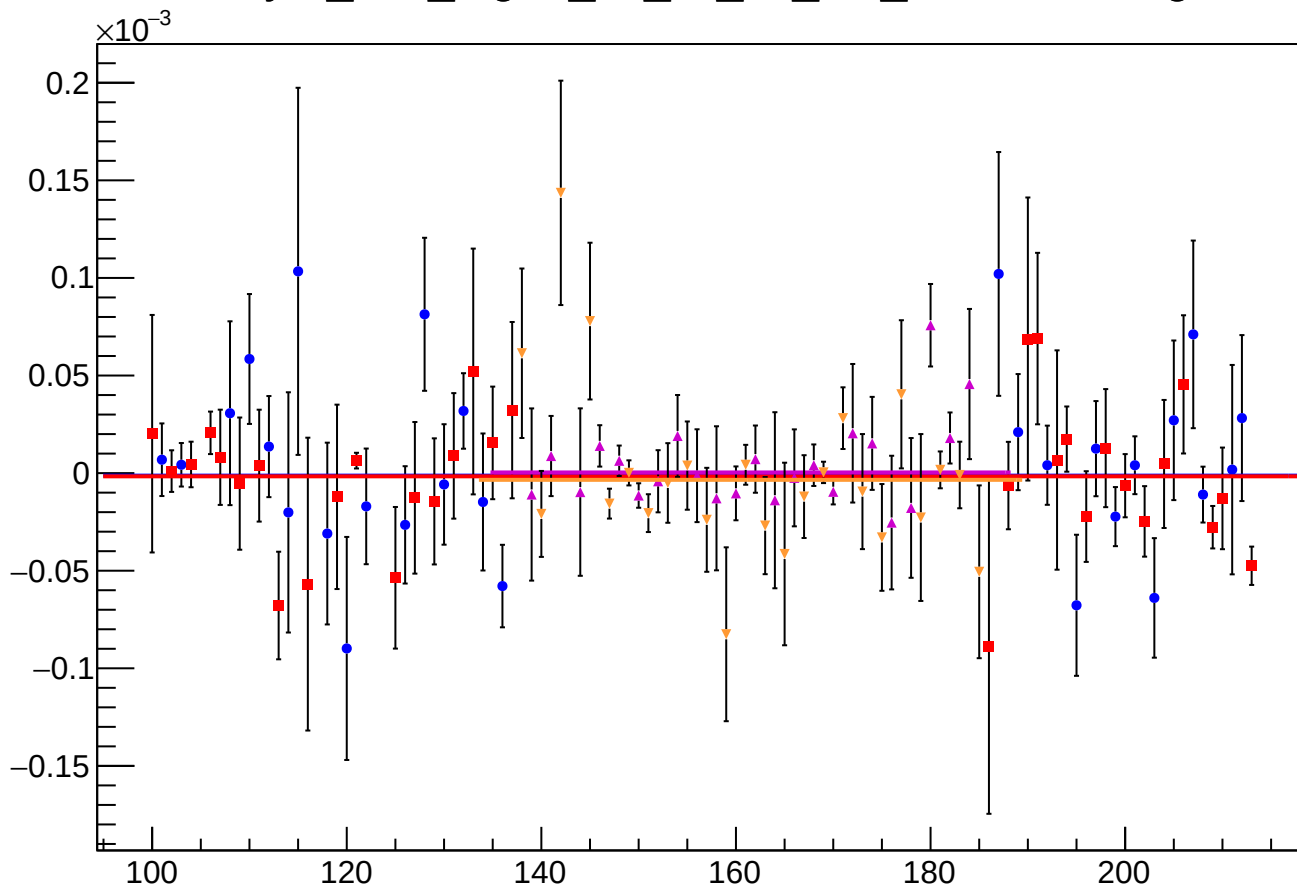
Left In: 623.916 $\pm$ 0.112 χ^2 /NDF: 4541431.8/22

+ sign 311.889 $\pm$ 0.043 χ^2 /NDF: 16108224.6/52

All: 294.015 $\pm$ 0.029 χ^2 /NDF: 35183377.8/10

- sign 279.418 $\pm$ 0.039 χ^2 /NDF: 18760750.9/55

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 41.3/28$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 34.3/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 57.4/32$

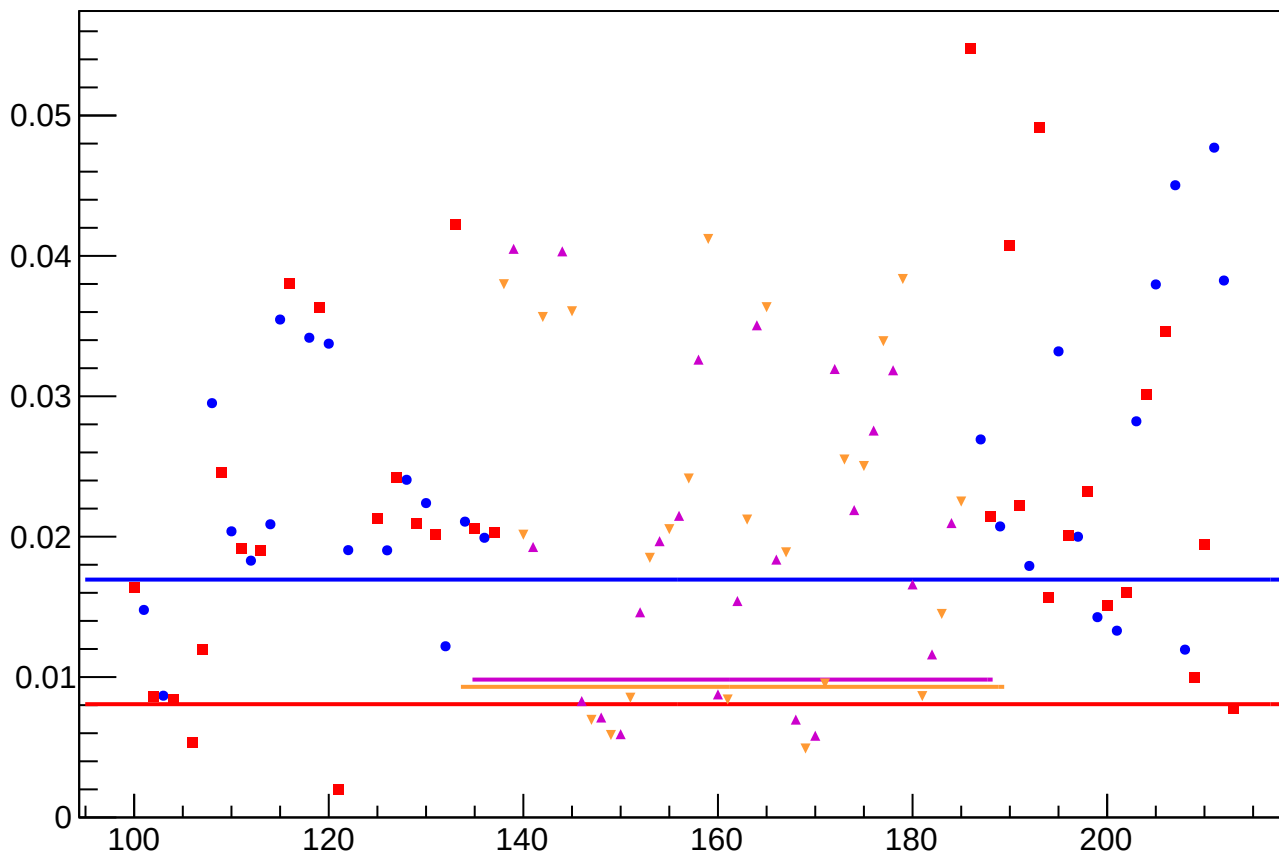
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.9/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 75.7/52$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 161.8/108$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 85.6/55$

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 5758962.3/28

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 12224529.3/23

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 16888451.6/32

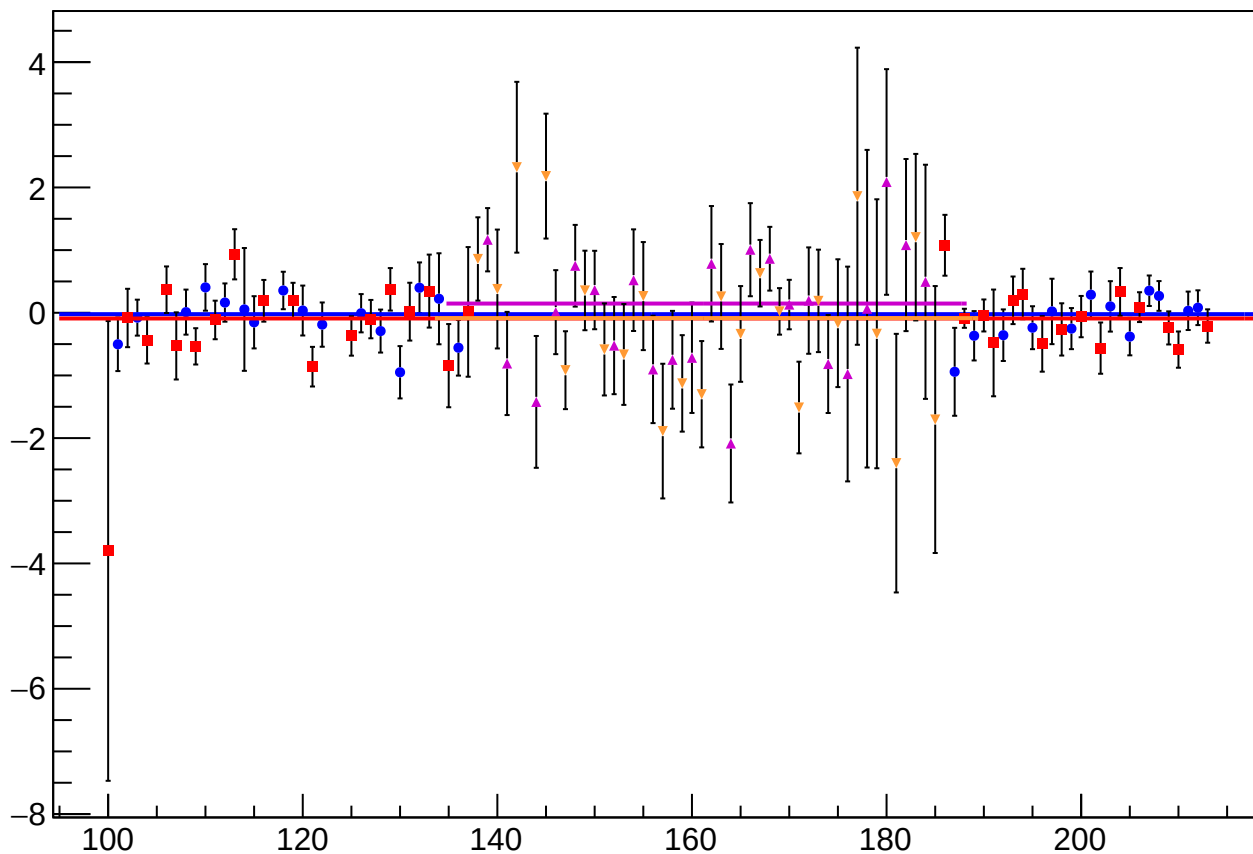
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 10307261.6/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 22069362.7/52

All: 0.010 $\pm$ 0.000 χ^2/NDF : 50917168.8/108

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 27586257.6/55

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.022 ± 0.066 χ^2/NDF : 23.5/28

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.091 ± 0.059 χ^2/NDF : 40.5/32

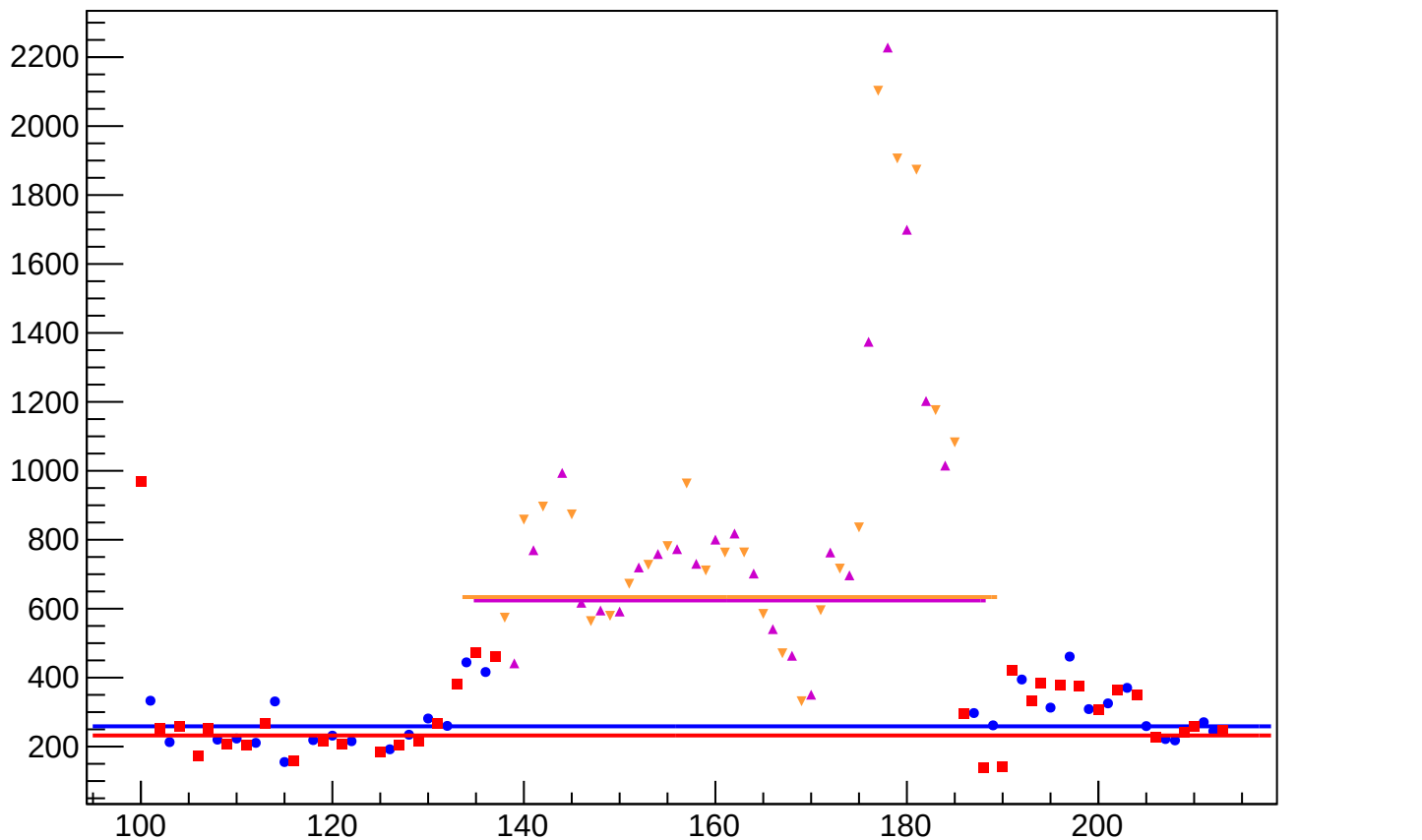
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.031 ± 0.061 χ^2/NDF : 53.8/52

All: -0.048 ± 0.041 χ^2/NDF : 122.9/108

- sign -0.062 ± 0.055 χ^2/NDF : 68.9/55

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 258.777 $\pm$ 0.046 χ^2 /NDF: 1855785.6/28

Left Out: 633.678 $\pm$ 0.114 χ^2 /NDF: 4994172.5/23

Right Out: 232.239 $\pm$ 0.041 χ^2 /NDF: 3438310.1/32

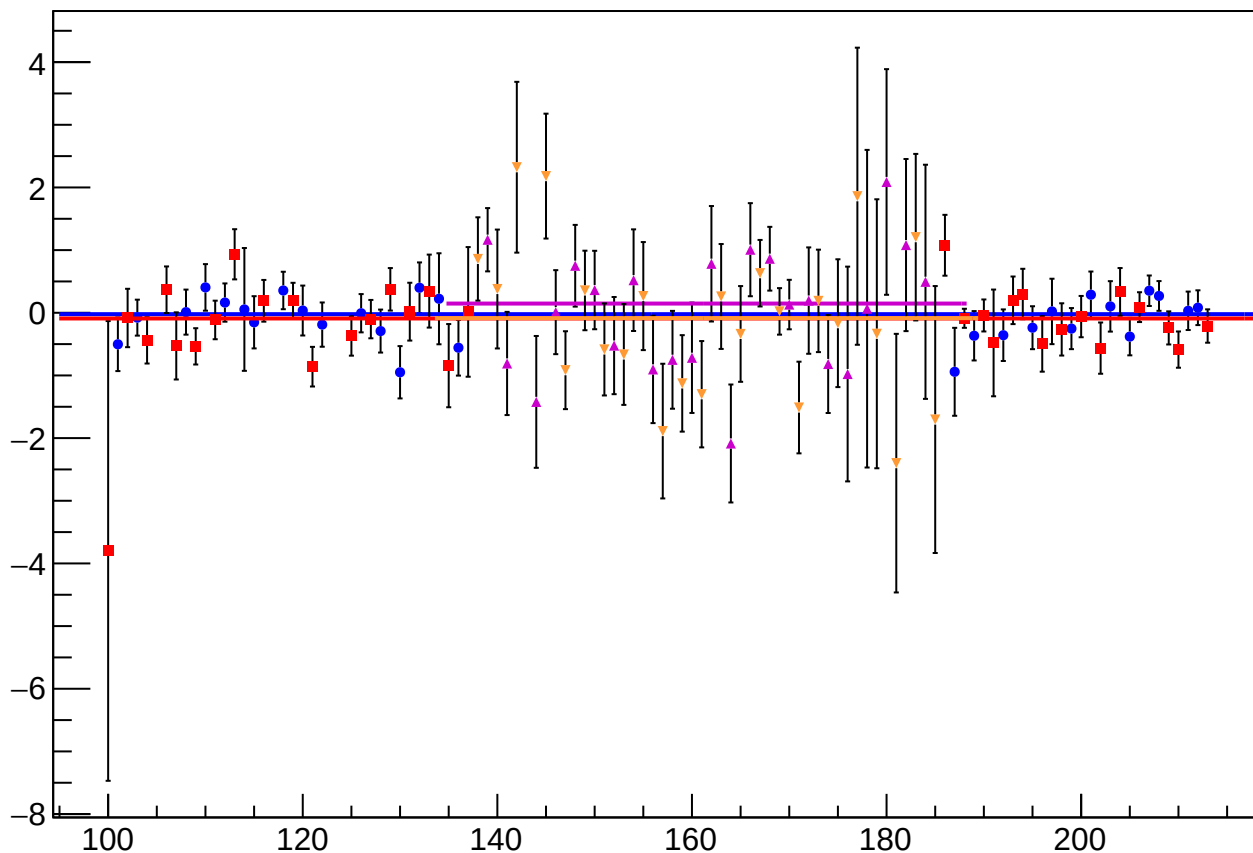
Left In: 623.922 $\pm$ 0.112 χ^2 /NDF: 4541413.9/22

+ sign 311.890 $\pm$ 0.043 χ^2 /NDF: 16108306.5/52

All: 294.014 $\pm$ 0.029 χ^2 /NDF: 35183950.3/10

- sign 279.416 $\pm$ 0.039 χ^2 /NDF: 18761175.0/55

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022 ± 0.066 χ^2/NDF : 23.5/28

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.091 ± 0.059 χ^2/NDF : 40.5/32

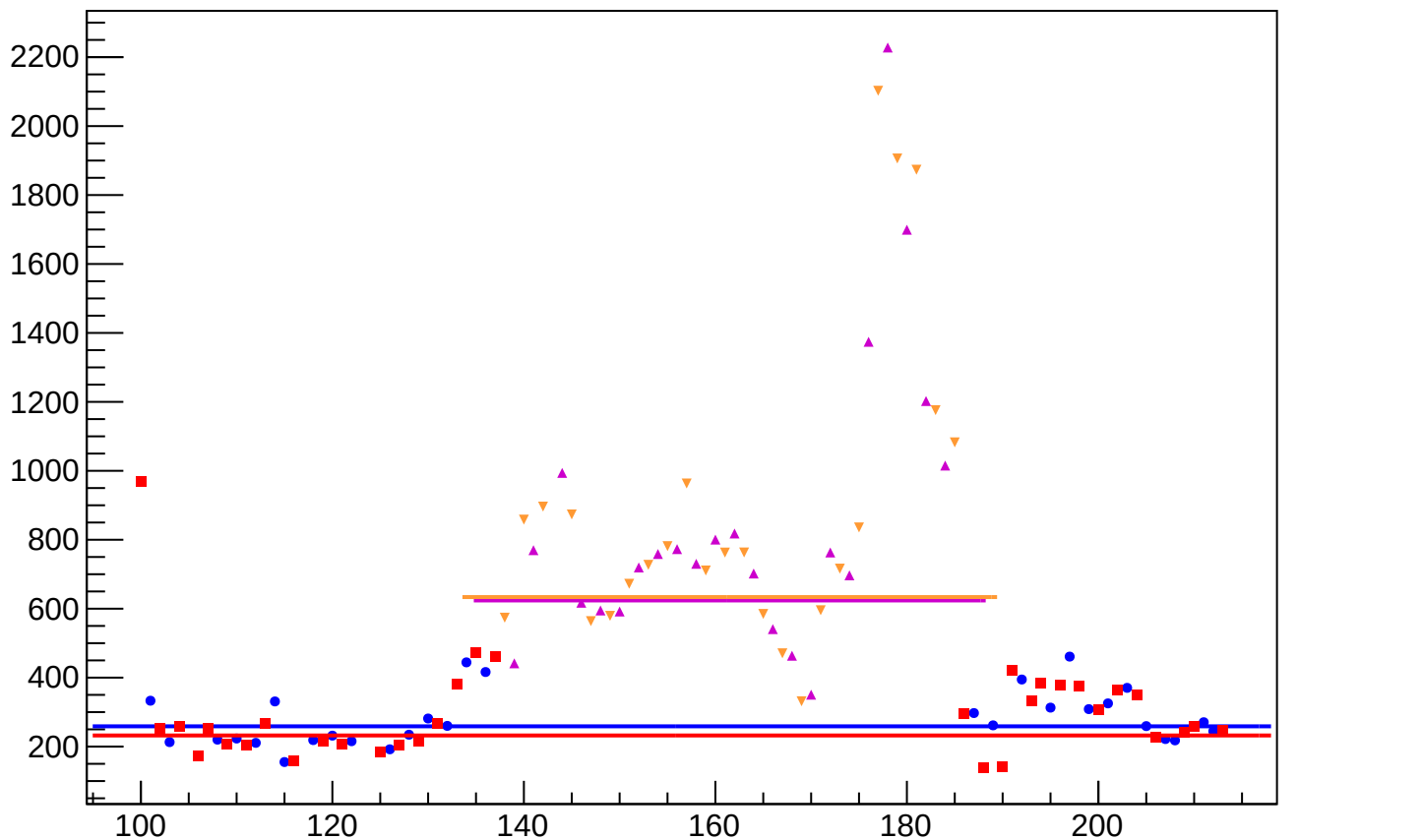
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.031 ± 0.061 χ^2/NDF : 53.8/52

All: -0.048 ± 0.041 χ^2/NDF : 122.9/108

- sign -0.062 ± 0.055 χ^2/NDF : 68.9/55

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 258.777+/-0.046 χ^2/NDF : 1855785.6/28

Left Out: 633.678+/-0.114 χ^2/NDF : 4994172.5/23

Right Out: 232.239+/-0.041 χ^2/NDF : 3438310.1/32

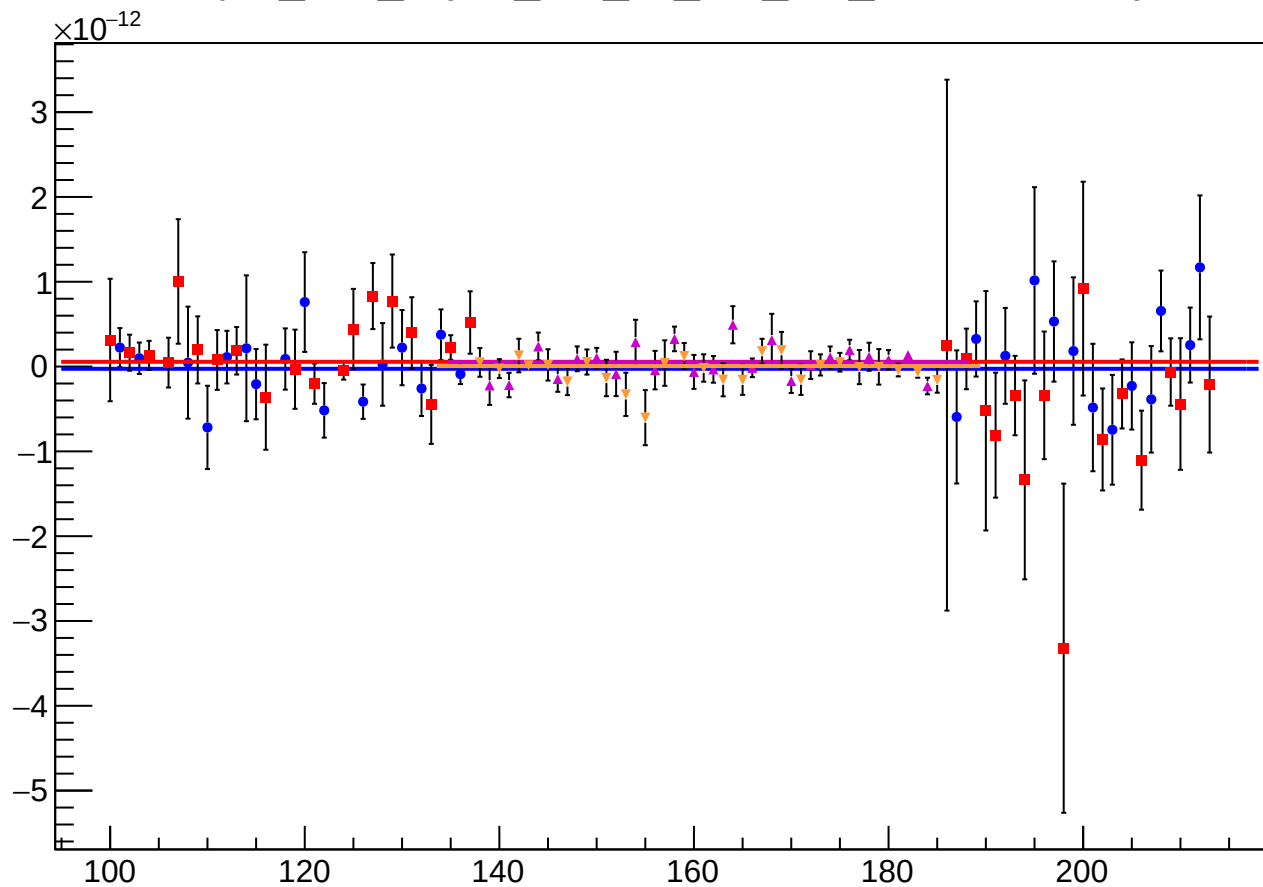
Left In: 623.922+/-0.112 χ^2/NDF : 4541413.9/22

+ sign 311.890+/-0.043 χ^2/NDF : 16108306.5/52

All: 294.014+/-0.029 χ^2/NDF : 35183950.3/10

- sign 279.416+/-0.039 χ^2/NDF : 18761175.0/55

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 24.2/28$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 15.8/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 31.4/33$

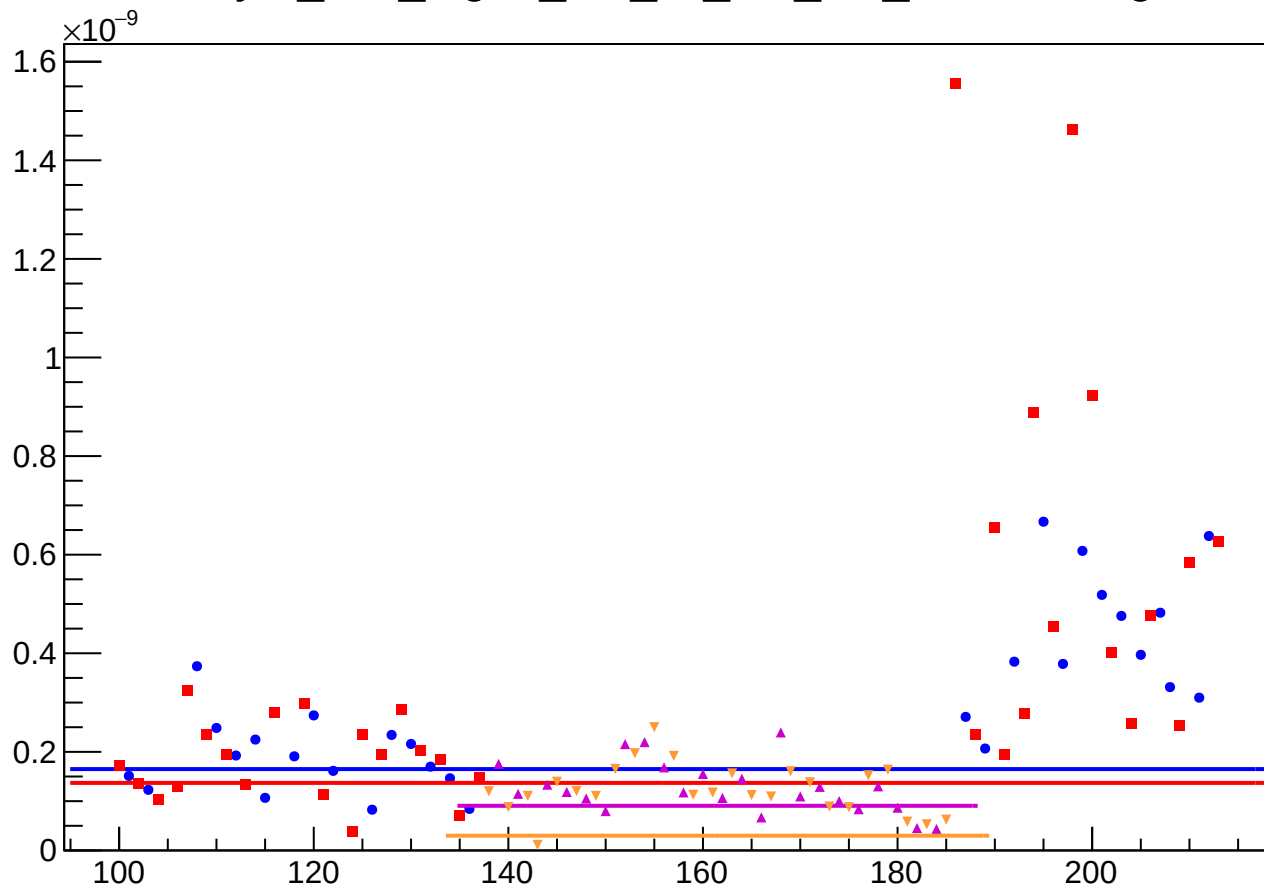
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33.4/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 40.3/53$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 108.0/110$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 64.8/56$

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6235761.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9908878.0/33

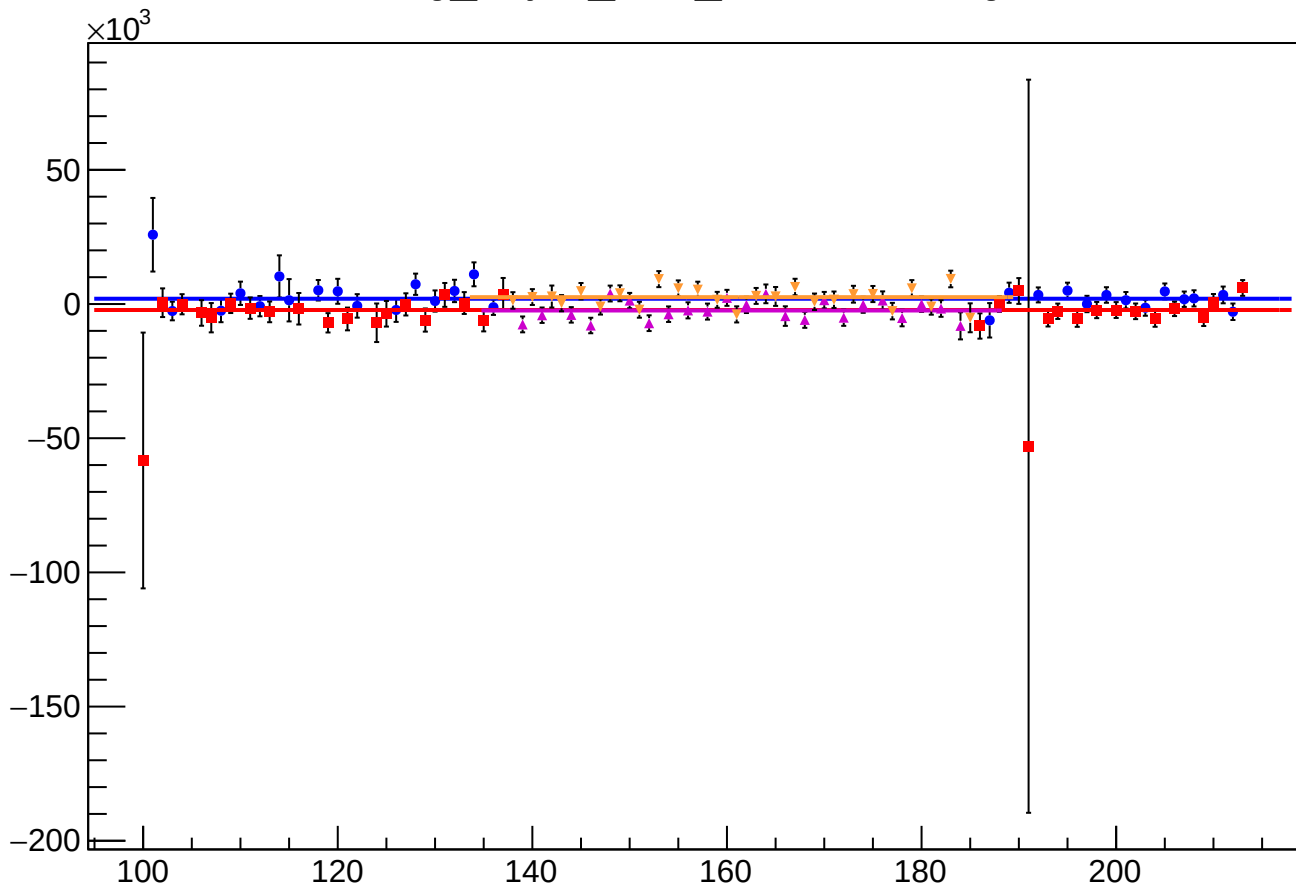
Left In: 0.000+/-0.000 χ^2/NDF : 4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 32386055.9/53

All: 0.000+/-0.000 χ^2/NDF : 58370827.6/110

- sign 0.000+/-0.000 χ^2/NDF : 15748139.4/56

reg_asym_atr1_mean vs Slug



Right In: 1974.473 ± 672.459 χ^2/NDF : 26.5/28

Left Out: 2556.827 ± 621.829 χ^2/NDF : 31.6/24

Right Out: -2222.335 ± 646.692 χ^2/NDF : 28.3/33

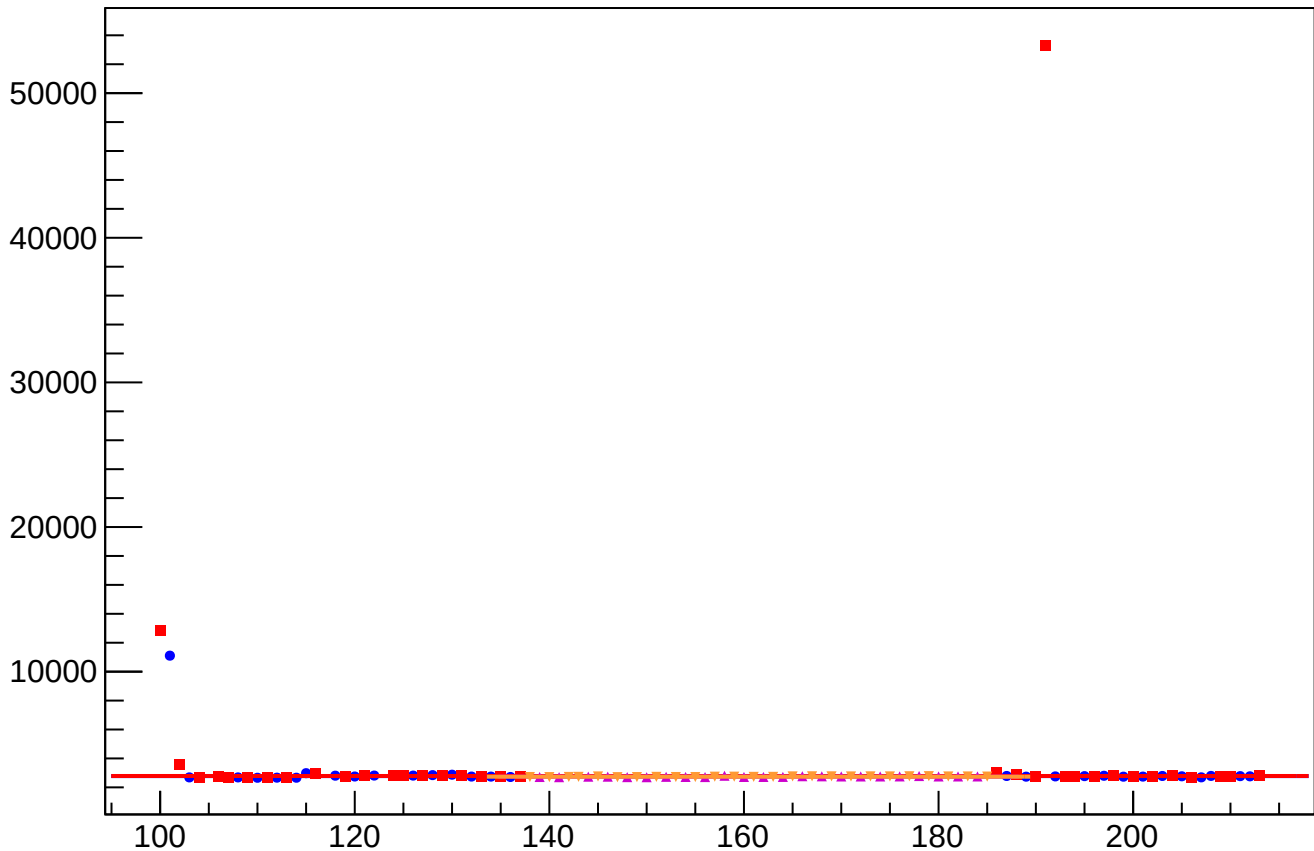
Left In: -2408.320 ± 639.726 χ^2/NDF : 31.4/22

+ sign 2288.396 ± 456.550 χ^2/NDF : 58.5/53

All: -22.827 ± 322.208 χ^2/NDF : 169.3/110

- sign -2316.334 ± 454.797 χ^2/NDF : 59.7/56

reg_asym_atr1_rms vs Slug



Right In: 2778.664+/-0.476 χ^2/NDF : 750516.3/28

Left Out: 2737.519+/-0.440 χ^2/NDF :2317.5/24

Right Out: 2786.178 $\pm$ 0.457 χ^2 /NDF: 481508.2/33

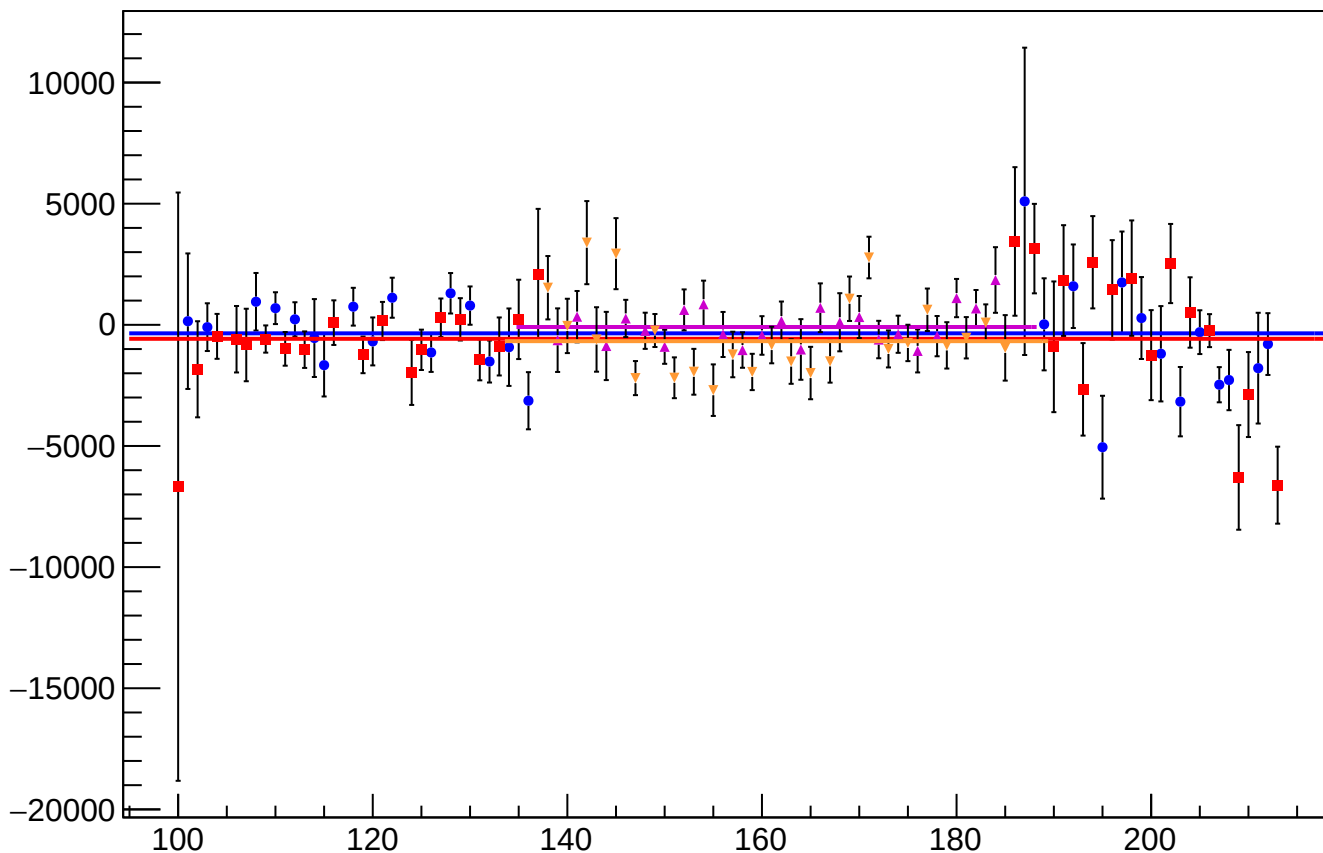
Left In: 2739.863+/-0.452 χ^2/NDF :3362.0/22

+ sign 2756.484+/-0.323 χ^2/NDF : 756870.0/53

All: 2759.639+/-0.228 χ^2/NDF : 1247115.1/11

- sign 2762.770+/-0.322 χ^2/NDF : 490054.8/56

asym_atr1_reg_correction_mean vs Slug



Right In: -351.657 ± 199.608 $\chi^2/\text{NDF}: 48.9/28$

Left Out: -673.693 ± 181.230 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -576.695 ± 191.147 $\chi^2/\text{NDF}: 50.0/33$

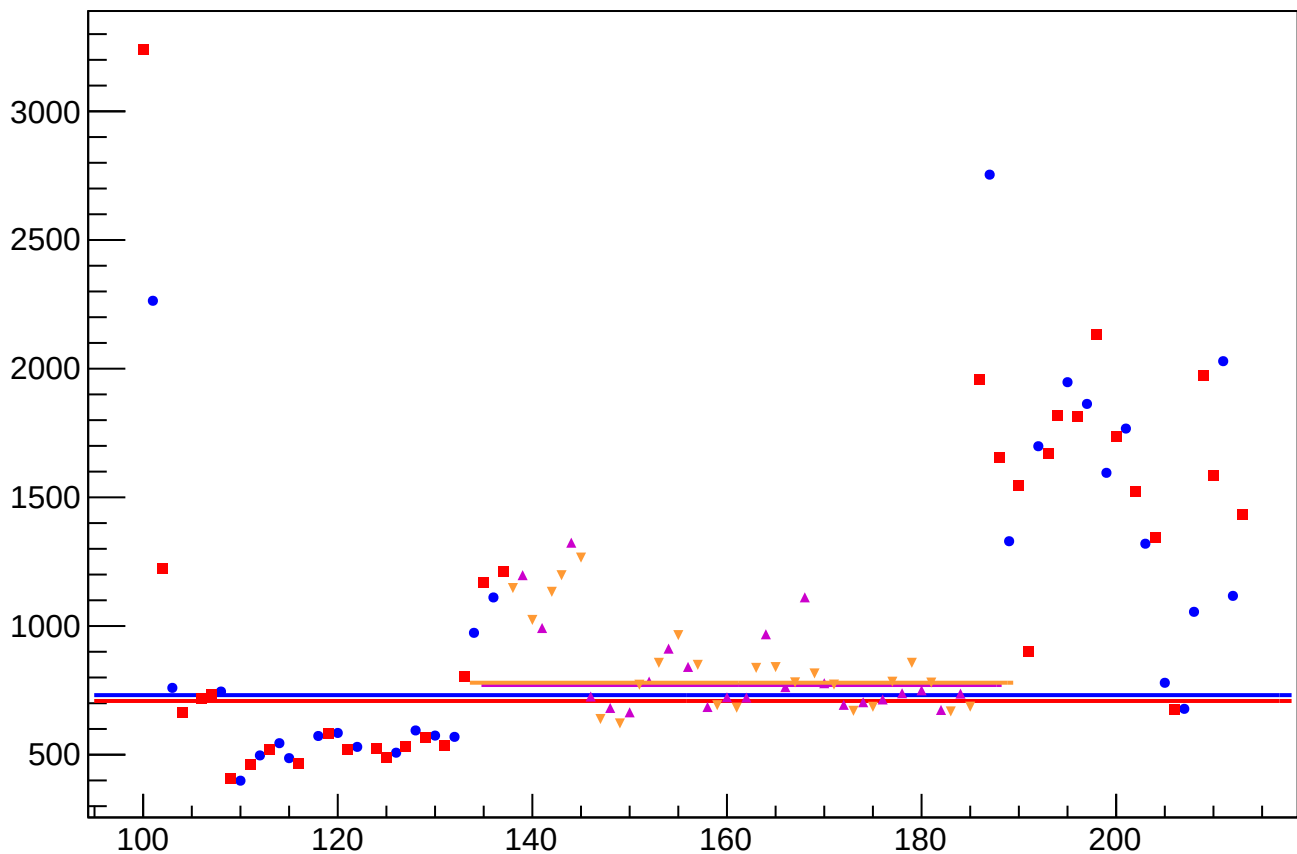
Left In: -89.519 ± 183.491 $\chi^2/\text{NDF}: 14.8/22$

+ sign -528.179 ± 134.177 $\chi^2/\text{NDF}: 108.6/53$

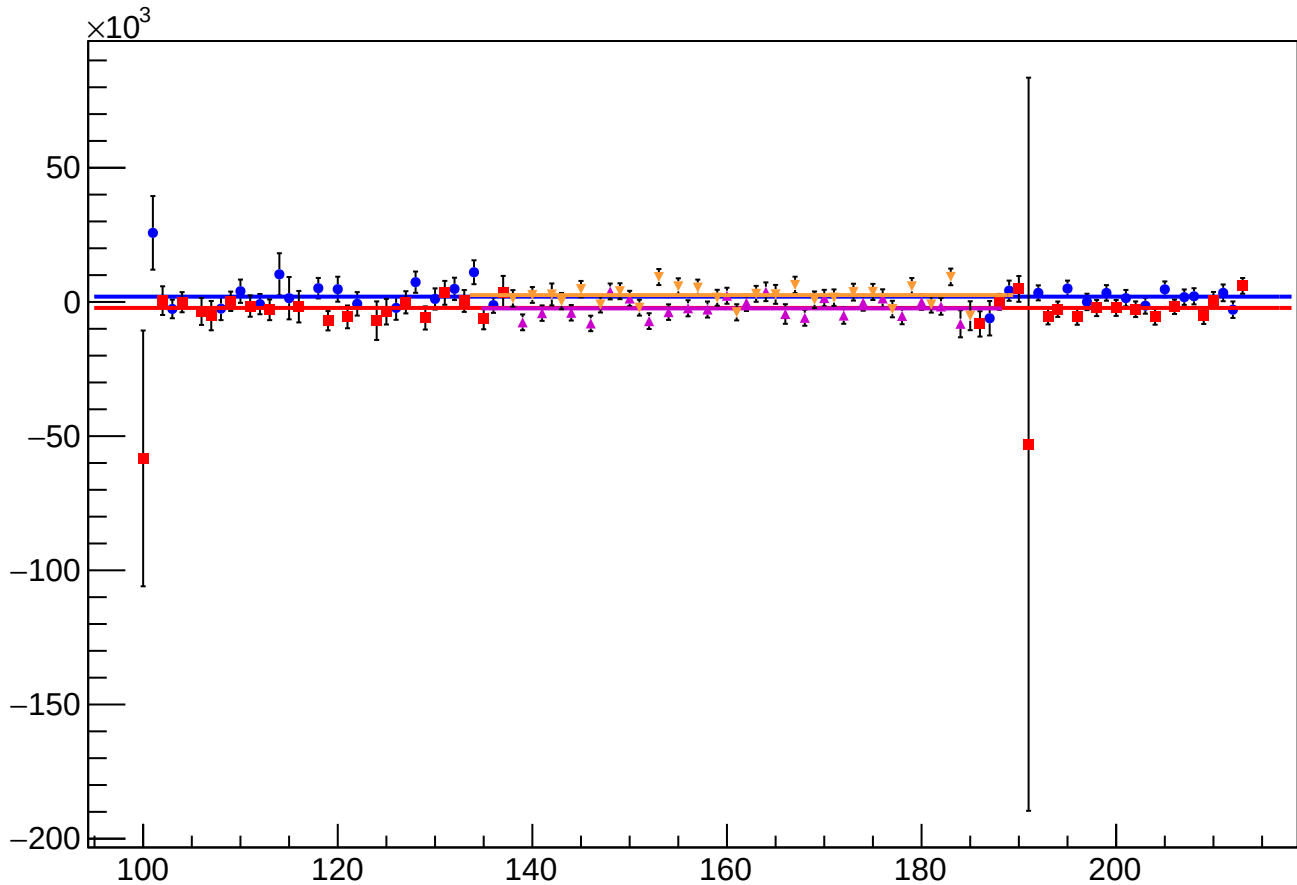
All: -424.279 ± 94.233 $\chi^2/\text{NDF}: 178.0/110$

- sign -323.155 ± 132.372 $\chi^2/\text{NDF}: 68.2/56$

asym_atr1_reg_correction_rms vs Slug



cor_asym_atr1_mean vs Slug



Right In: 1974.137 ± 672.459 χ^2/NDF : 26.5/28

Left Out: 2556.787 ± 621.829 χ^2/NDF : 31.6/24

Right Out: -2224.295 ± 647.271 χ^2/NDF : 28.3/33

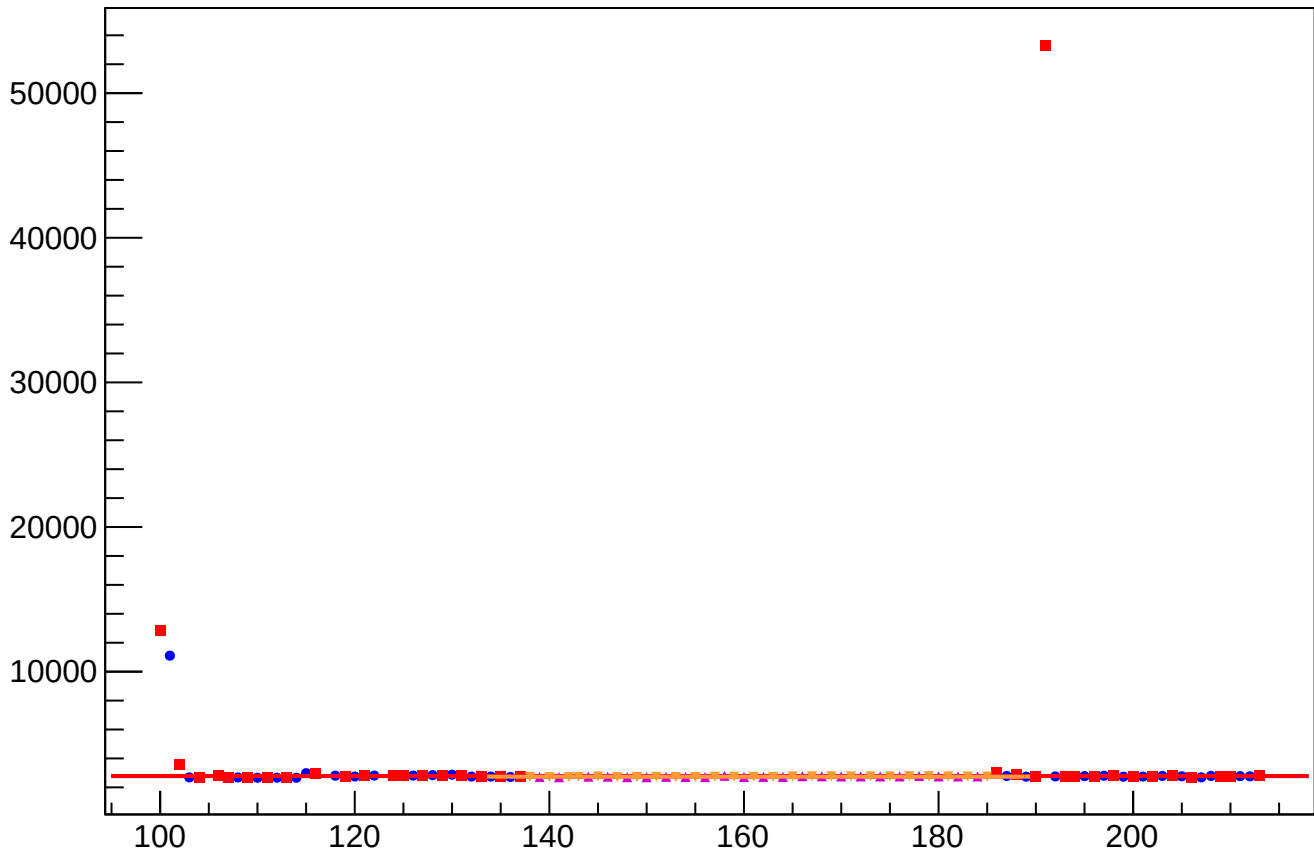
Left In: -2408.461 ± 639.726 χ^2/NDF : 31.4/22

+ sign 2288.219 ± 456.551 χ^2/NDF : 58.5/53

All: -22.459 ± 322.280 χ^2/NDF : 169.3/110

- sign -2317.458 ± 454.999 χ^2/NDF : 59.7/56

cor_asym_atr1_rms vs Slug



Right In: 2778.664+/-0.476 χ^2/NDF : 750515.4/28

Left Out: 2737.519+/-0.440 χ^2/NDF : 2317.5/24

Right Out: 2788.249+/-0.458 χ^2/NDF : 481338.9/33

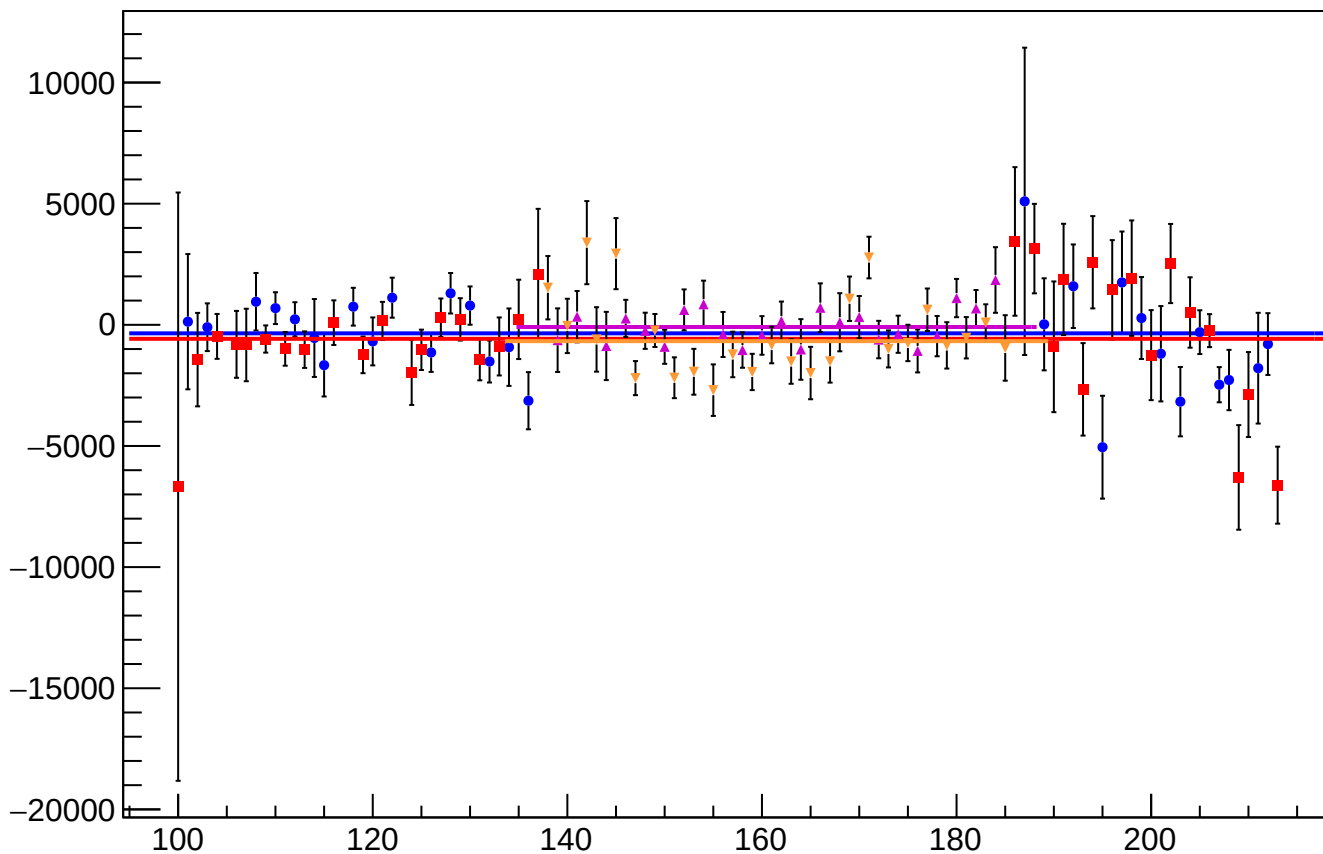
Left In: 2739.863+/-0.452 χ^2/NDF : 3362.0/22

+ sign 2756.484+/-0.323 χ^2/NDF : 756869.1/53

All: 2760.141+/-0.228 χ^2/NDF : 1247479.2/11

- sign 2763.772+/-0.322 χ^2/NDF : 490354.4/56

asym_atr1_cor_correction_mean vs Slug



Right In: -351.649+/-199.601 χ^2/NDF : 48.9/28

Left Out: -673.608+/-181.230 χ^2/NDF : 58.4/24

Right Out: -577.413+/-191.121 χ^2/NDF : 49.9/33

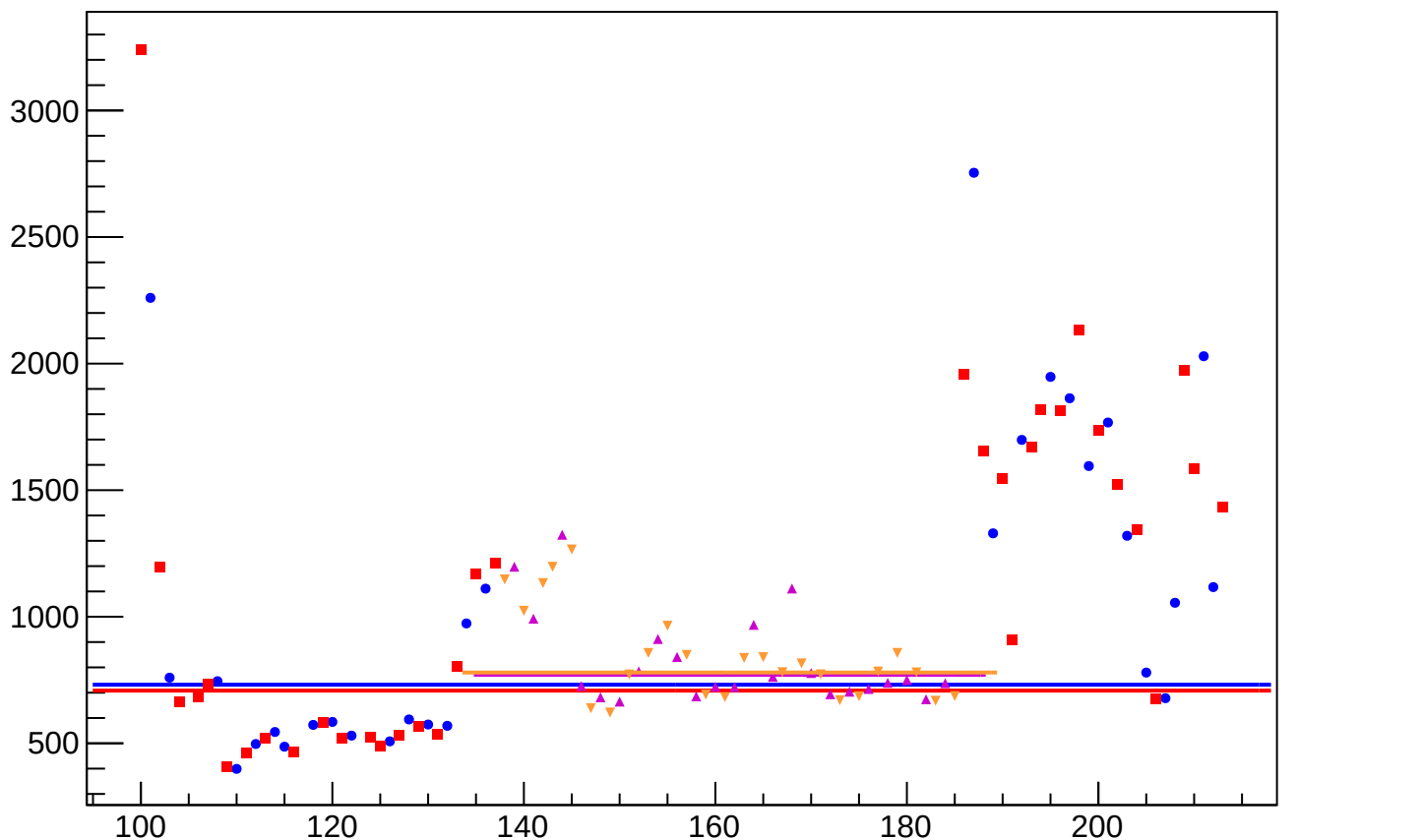
Left In: -89.643+/-183.492 χ^2/NDF : 14.8/22

+ sign -528.123+/-134.175 χ^2/NDF : 108.6/53

All: -424.471+/-94.229 χ^2/NDF : 177.9/110

- sign -323.599+/-132.363 χ^2/NDF : 68.0/56

asym_atr1_cor_correction_rms vs Slug



Right In: 731.457+/-0.141 χ^2/NDF : 6949652.9/28

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF : 8776440.9/33

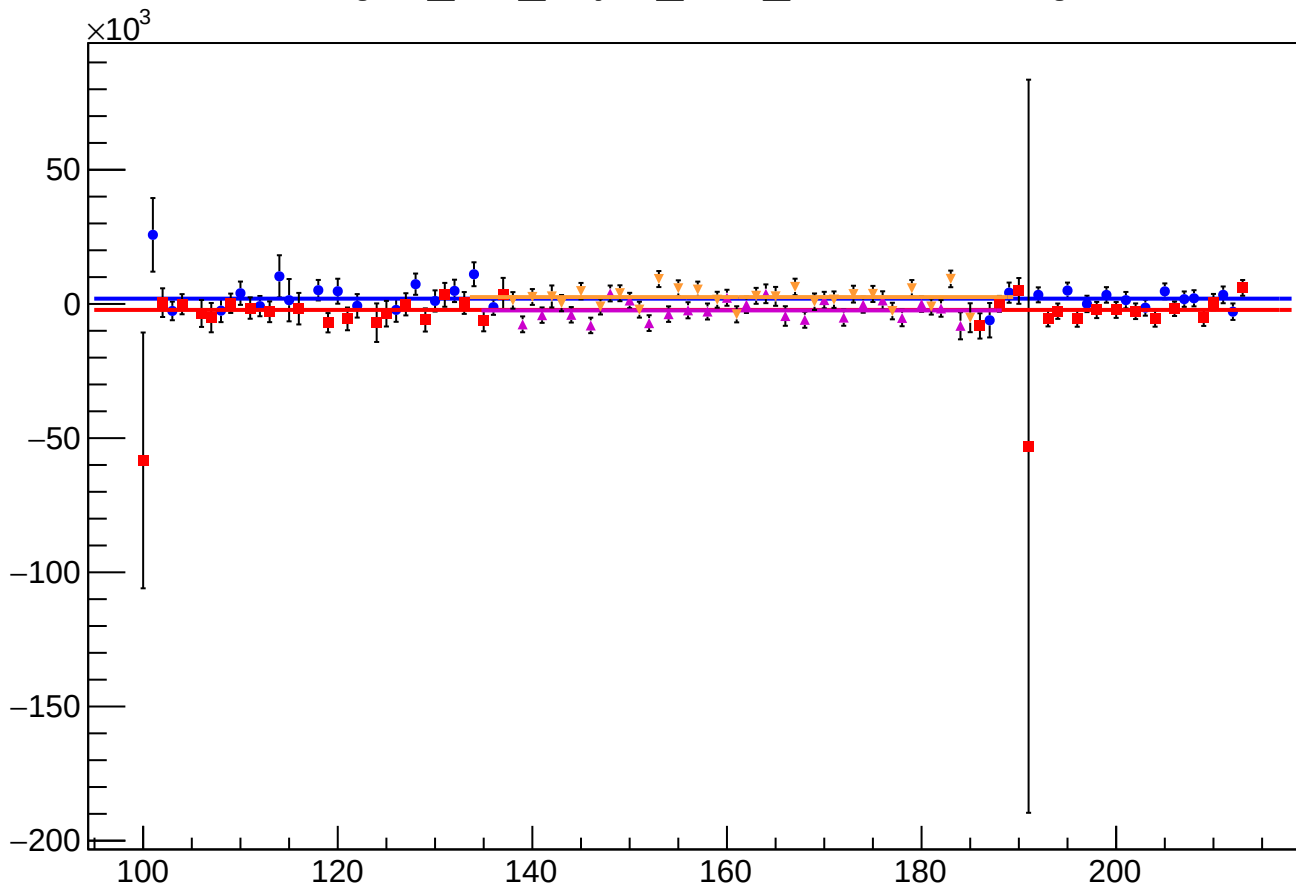
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 757.907+/-0.095 χ^2/NDF : 8257498.2/53

All: 749.224+/-0.067 χ^2/NDF : 18238410.0/11

- sign 740.773+/-0.094 χ^2/NDF : 9964382.7/56

eigen_cor_asym_atr1_mean vs Slug



Right In: 1974.137+/-672.459 χ^2/NDF : 26.5/28

Left Out: 2556.787+/-621.829 χ^2/NDF : 31.6/24

Right Out: -2224.295+/-647.271 χ^2/NDF : 28.3/33

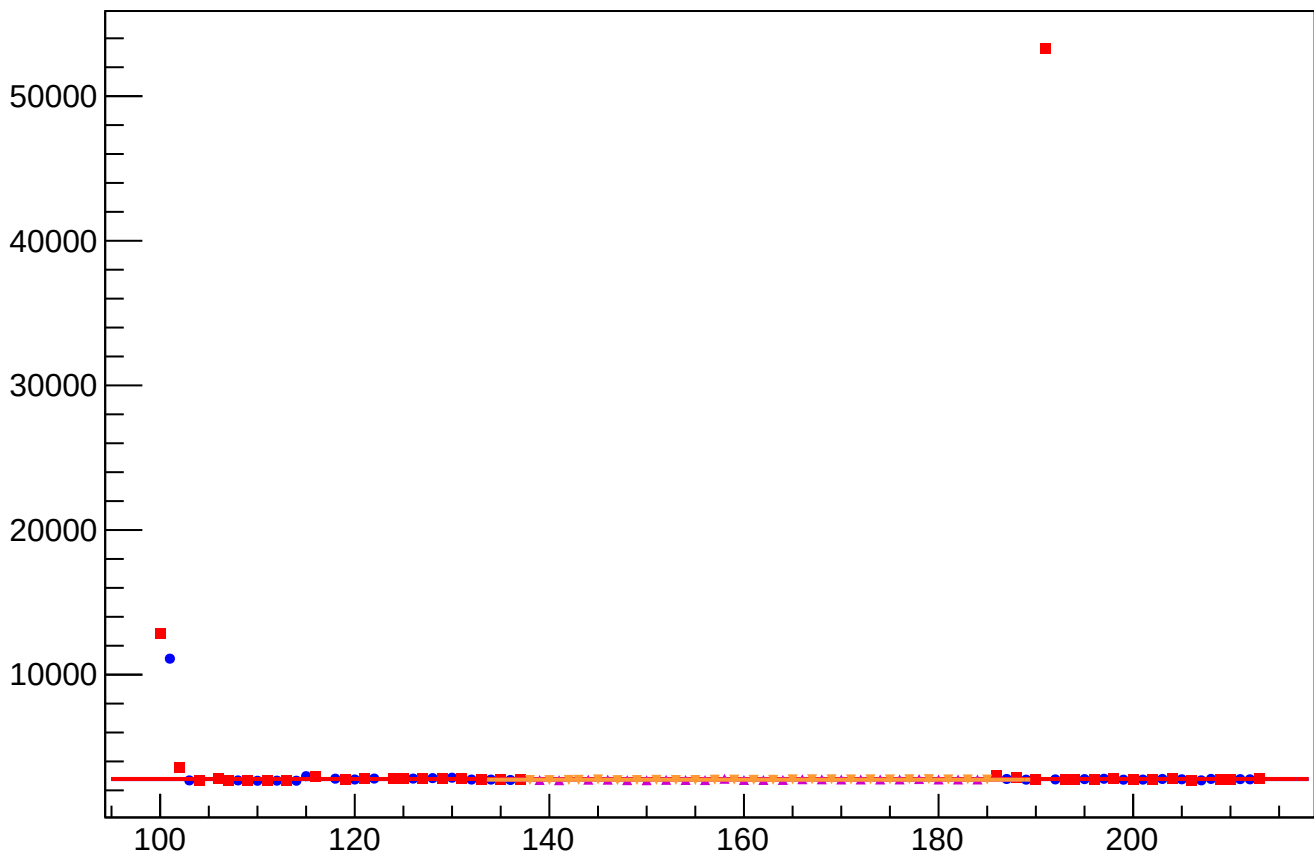
Left In: -2408.461+/-639.726 χ^2/NDF : 31.4/22

+ sign 2288.219+/-456.551 χ^2/NDF : 58.5/53

All: -22.459+/-322.280 χ^2/NDF : 169.3/110

- sign -2317.458+/-454.999 χ^2/NDF : 59.7/56

eigen_cor_asym_atr1_rms vs Slug



Right In: 2778.664+/-0.476 χ^2/NDF : 750515.4/28

Left Out: 2737.519+/-0.440 χ^2/NDF :2317.5/24

+ sign 2756.484+/-0.323 χ^2/NDF : 756869.1/53

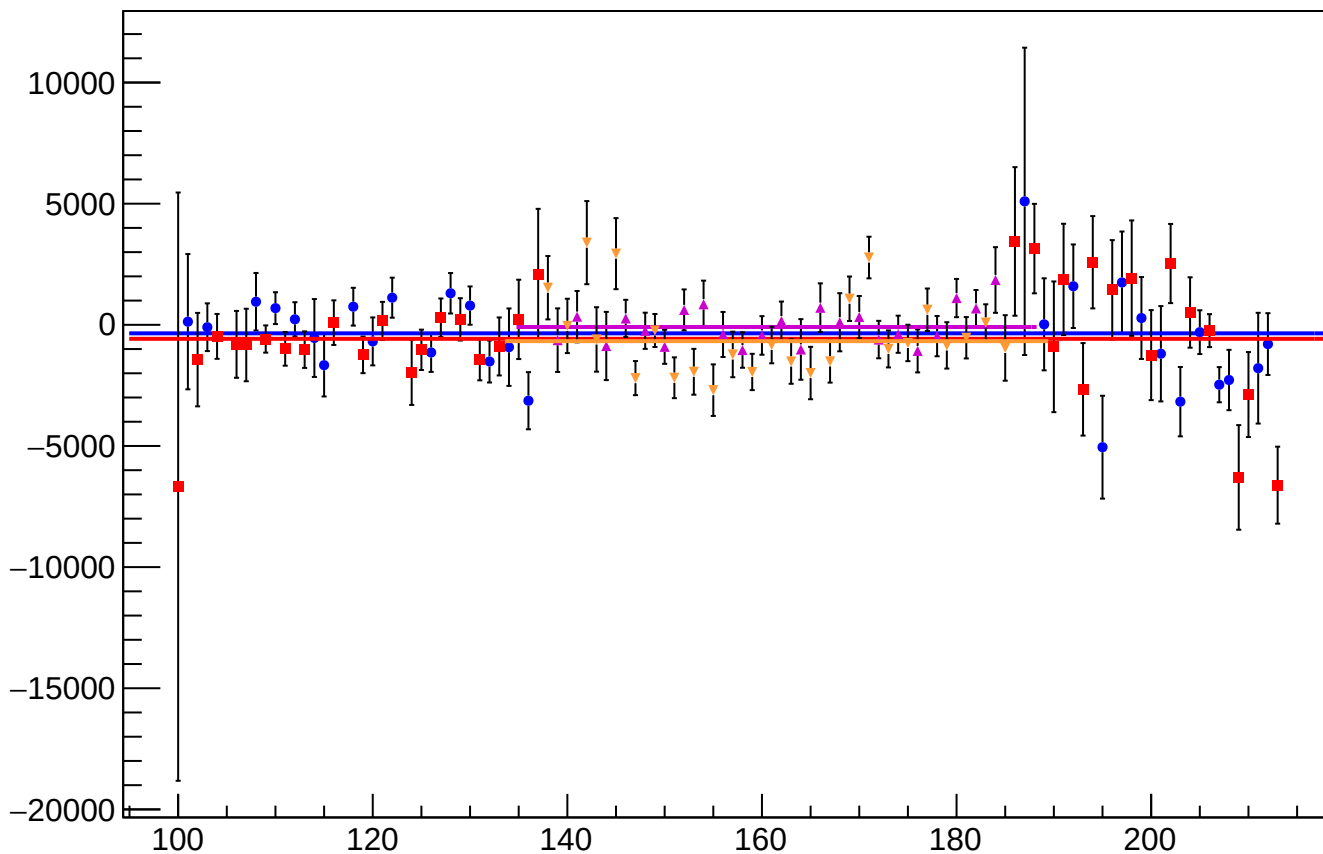
Right Out: 2788.249+/-0.458 χ^2/NDF : 481338.9/33

All: 2760.141+/-0.228 χ^2/NDF : 1247479.2/11

- sign 2763.772+/-0.322 χ^2/NDF : 490354.4/56

Left In: 2739.863+/-0.452 χ^2/NDF :3362.0/22

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -351.649 ± 199.601 $\chi^2/\text{NDF}: 48.9/28$

Left Out: -673.608 ± 181.230 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -577.413 ± 191.121 $\chi^2/\text{NDF}: 49.9/33$

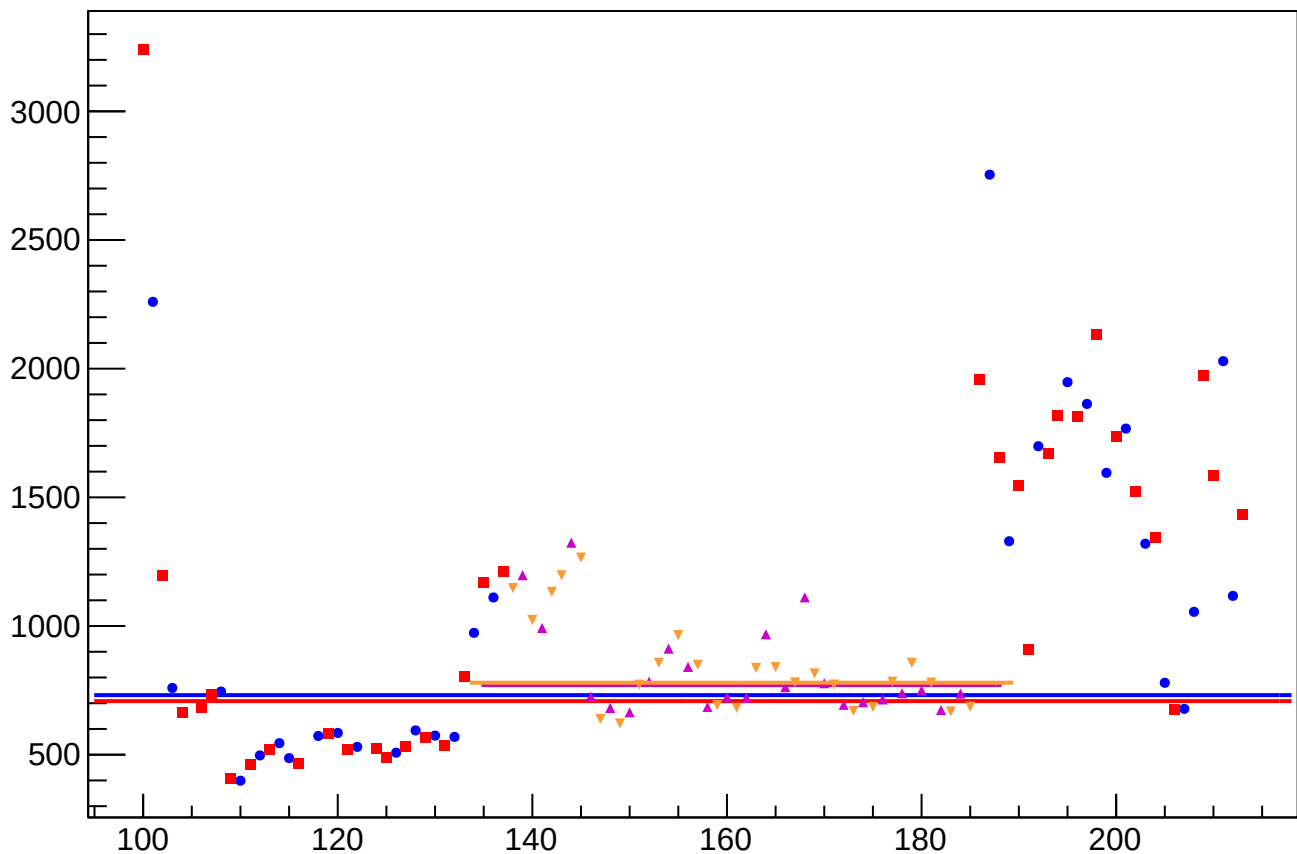
Left In: -89.643 ± 183.492 $\chi^2/\text{NDF}: 14.8/22$

+ sign -528.123 ± 134.175 $\chi^2/\text{NDF}: 108.6/53$

All: -424.471 ± 94.229 $\chi^2/\text{NDF}: 177.9/110$

- sign -323.599 ± 132.363 $\chi^2/\text{NDF}: 68.0/56$

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 731.457+/-0.141 χ^2/NDF : 6949652.9/28

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF : 8776440.9/33

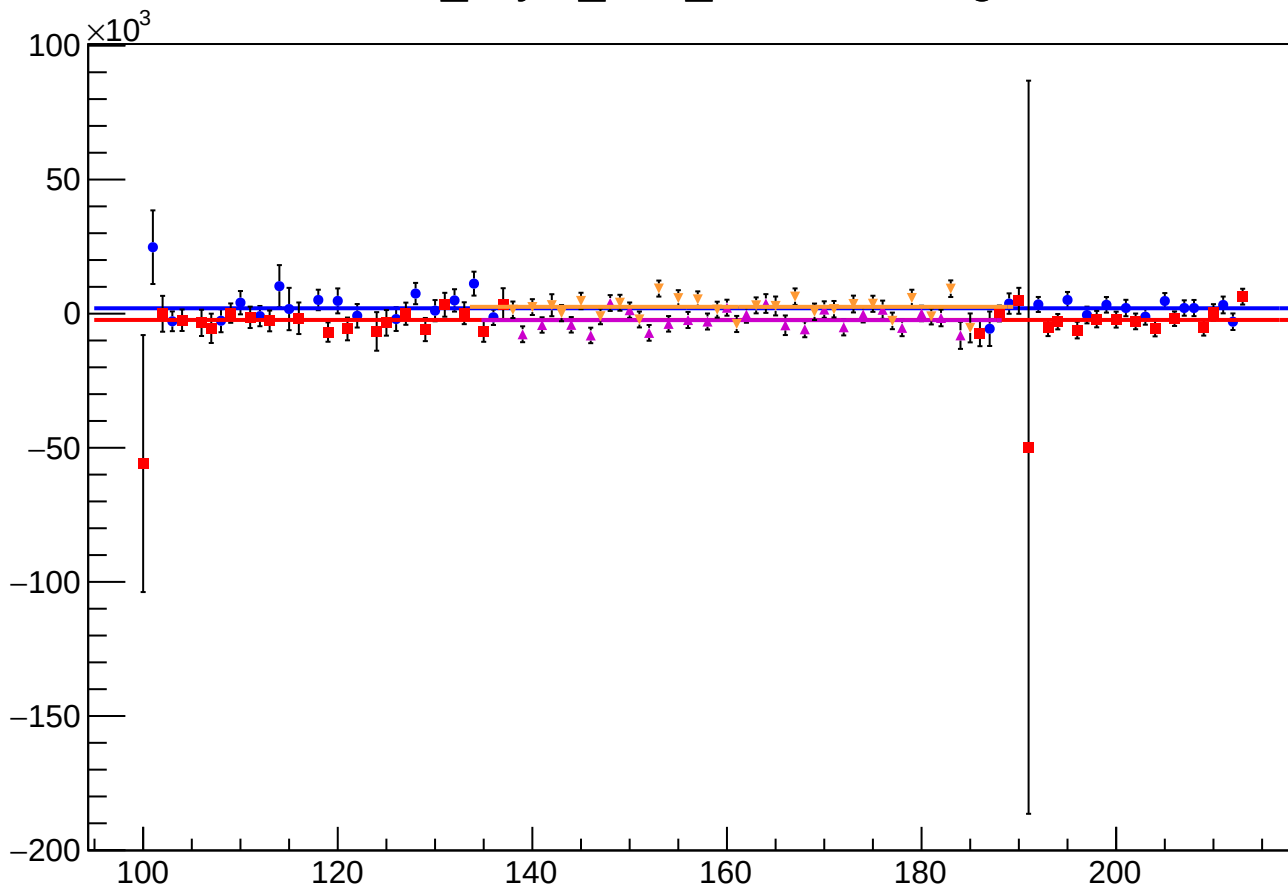
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 757.907+/-0.095 χ^2/NDF : 8257498.2/53

All: 749.224+/-0.067 χ^2/NDF : 18238410.0/11

- sign 740.773+/-0.094 χ^2/NDF : 9964382.7/56

dit_asym_atr1_mean vs Slug



Right In: 2011.289 $\pm$ 676.084 χ^2 /NDF: 26.4/28

Left Out: 2545.043 $\pm$ 622.236 χ^2 /NDF: 31.9/24

Right Out: -2338.773 $\pm$ 652.232 χ^2 /NDF: 28.1/33

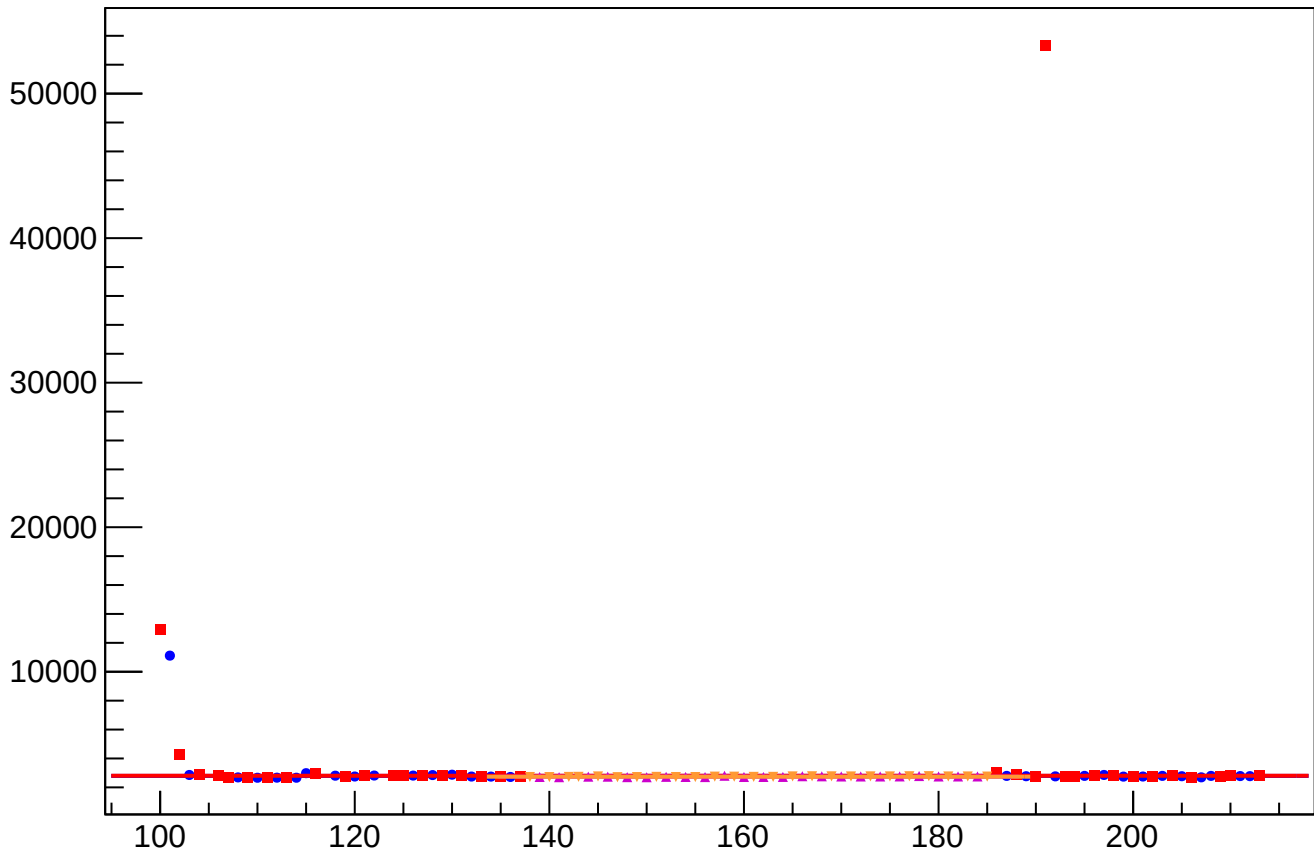
Left In: -2406.858 $\pm$ 640.084 χ^2 /NDF: 31.8/22

+ sign 2300.266 $\pm$ 457.842 χ^2 /NDF: 58.7/53

All: -41.705 $\pm$ 323.389 χ^2 /NDF: 170.8/110

- sign -2373.456 $\pm$ 456.842 χ^2 /NDF: 59.9/56

dit_asym_atr1_rms vs Slug



Right In: 2793.489+/-0.478 χ^2/NDF : 750173.0/28

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF : 534946.5/33

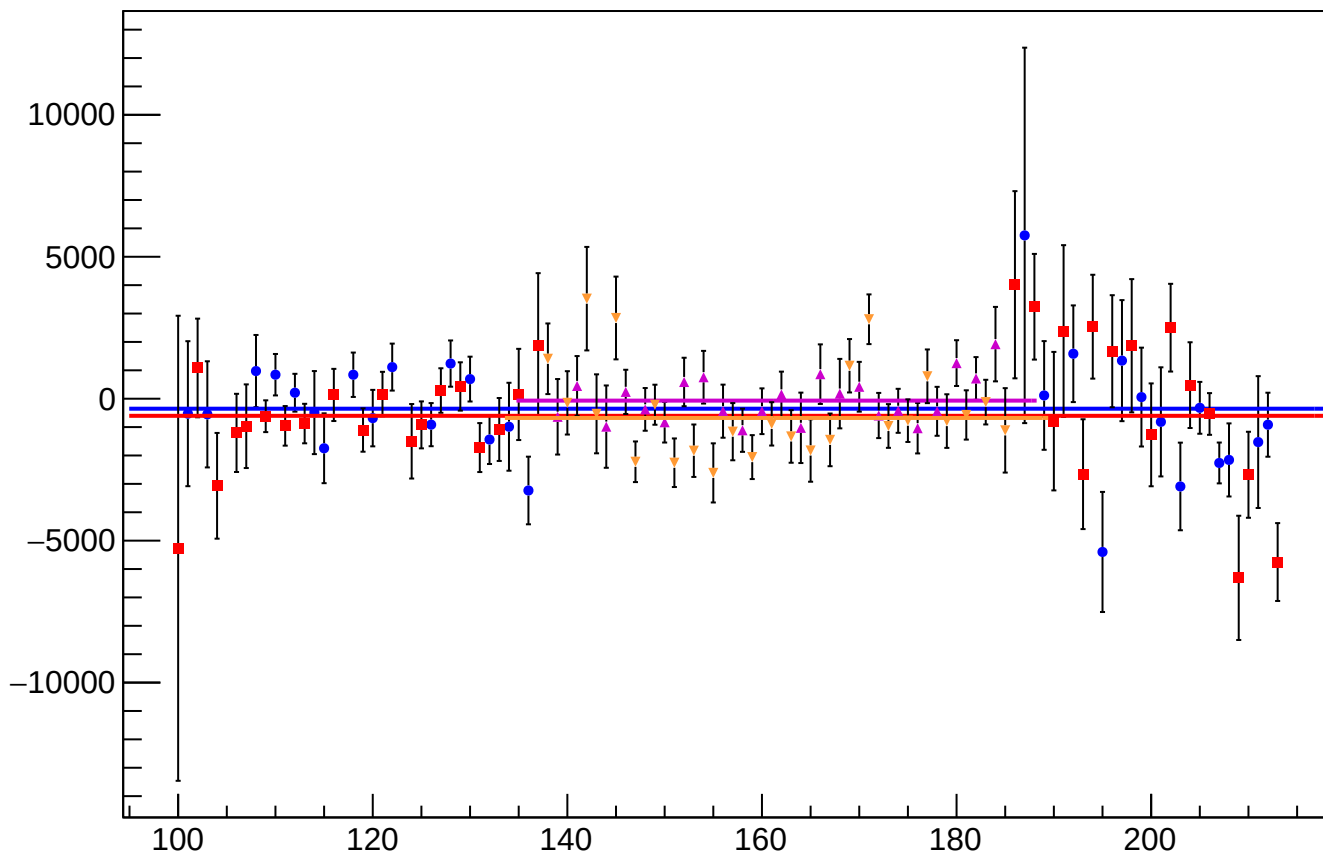
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2764.153+/-0.324 χ^2/NDF : 759450.5/53

All: 2768.208+/-0.229 χ^2/NDF : 1307552.4/11

- sign 2772.246+/-0.323 χ^2/NDF : 547788.7/56

asym_atr1_dit_correction_mean vs Slug



Right In: -352.037 ± 201.839 χ^2/NDF : 46.4/28

Left Out: -678.226 ± 185.004 χ^2/NDF : 56.2/24

Right Out: -602.730 ± 192.198 χ^2/NDF : 53.4/33

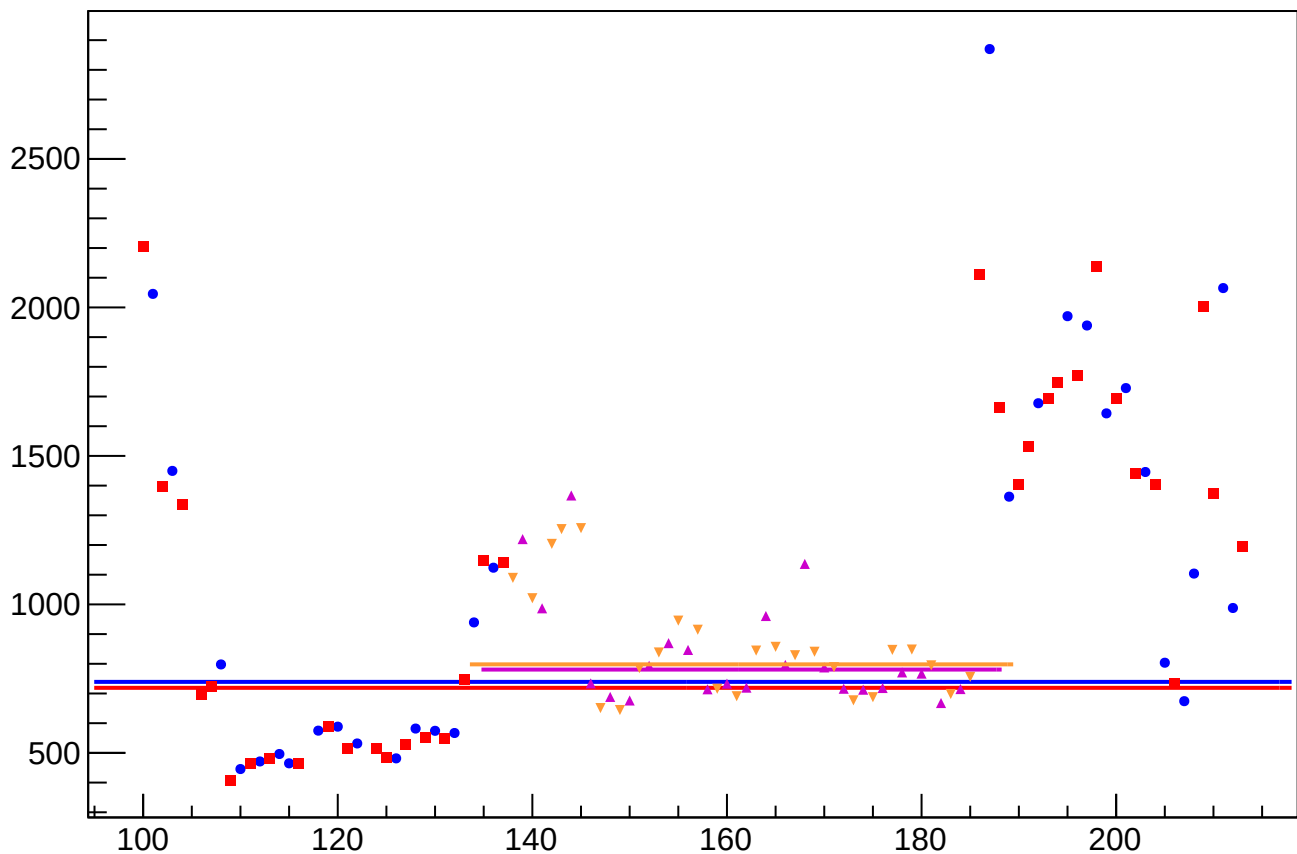
Left In: -67.156 ± 185.436 χ^2/NDF : 15.8/22

+ sign -529.300 ± 136.382 χ^2/NDF : 104.0/53

All: -425.112 ± 95.383 χ^2/NDF : 178.4/110

- sign -325.356 ± 133.449 χ^2/NDF : 73.2/56

asym_atr1_dit_correction_rms vs Slug



Right In: 739.091 $\pm$ 0.143 χ^2 /NDF: 7354079.6/28

Left Out: 798.091 $\pm$ 0.131 χ^2 /NDF:1168352.1/24

Right Out: 719.065 $\pm$ 0.136 χ^2 /NDF: 9078888.0/33

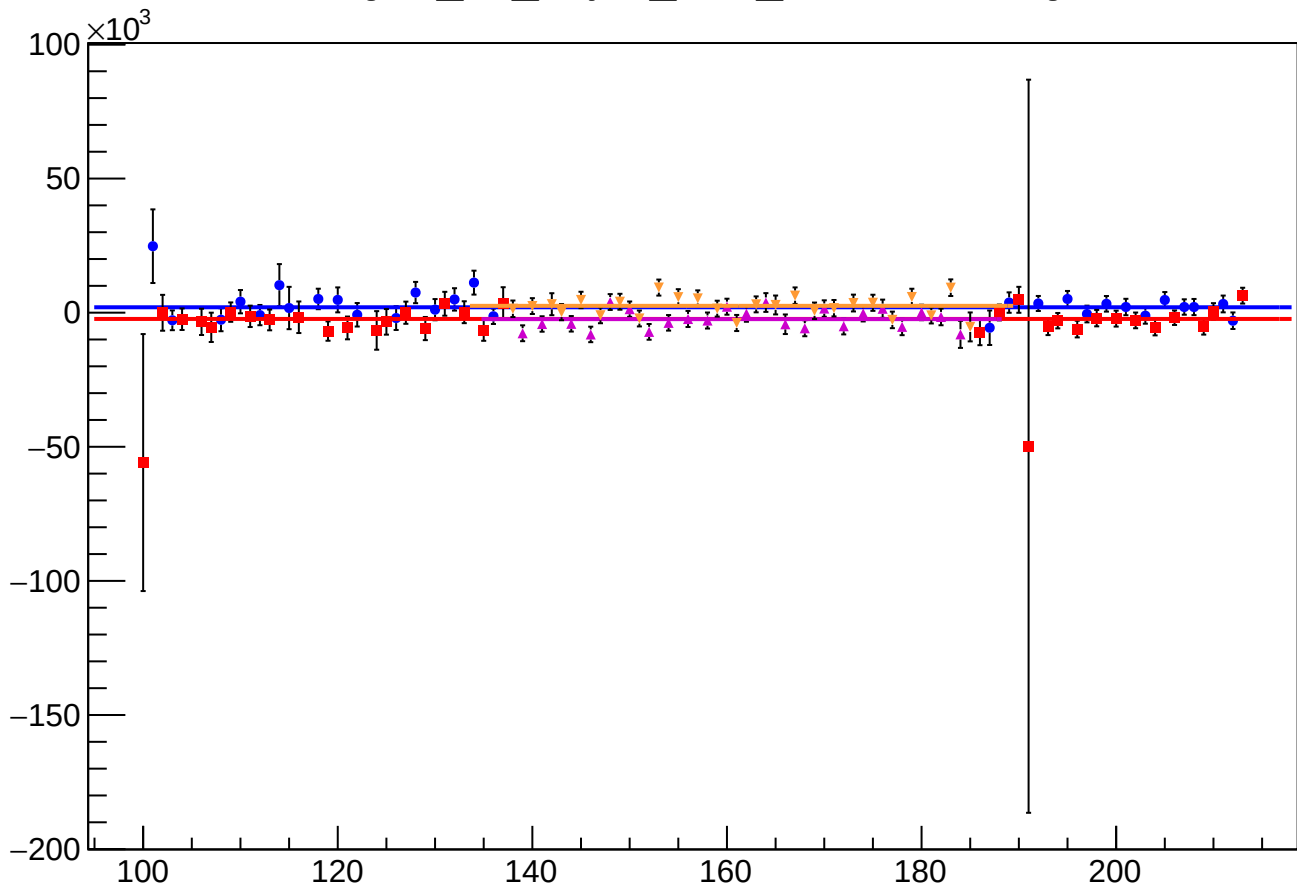
Left In: 780.525 $\pm$ 0.131 χ^2 /NDF:1064827.5/22

+ sign 771.154 $\pm$ 0.096 χ^2 /NDF: 8615302.9/53

All: 760.805 $\pm$ 0.067 χ^2 /NDF: 18887479.2/11

- sign 750.896 $\pm$ 0.094 χ^2 /NDF: 10249632.4/56

eigen_dit_asym_atr1_mean vs Slug



Right In: 2011.289 $\pm$ 676.084 χ^2/NDF : 26.4/28

Left Out: 2545.044 $\pm$ 622.236 χ^2/NDF : 31.9/24

Right Out: -2338.771 $\pm$ 652.232 χ^2/NDF : 28.1/33

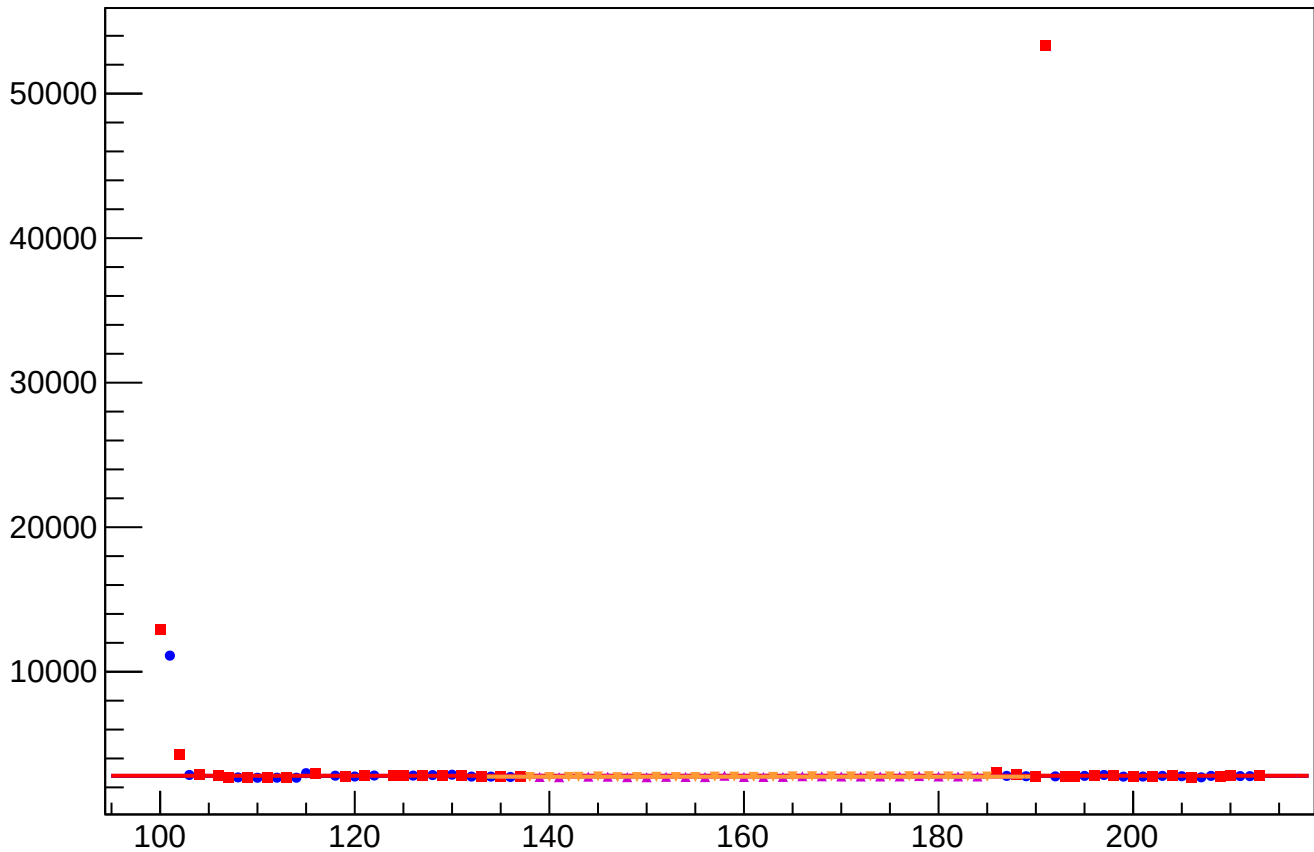
Left In: -2406.858 $\pm$ 640.084 χ^2/NDF : 31.8/22

+ sign 2300.266 $\pm$ 457.842 χ^2/NDF : 58.7/53

All: -41.704 $\pm$ 323.389 χ^2/NDF : 170.8/110

- sign -2373.454 $\pm$ 456.842 χ^2/NDF : 59.9/56

eigen_dit_asym_atr1_rms vs Slug



Right In: 2793.489+/-0.478 χ^2/NDF : 750172.9/28

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF : 534946.3/33

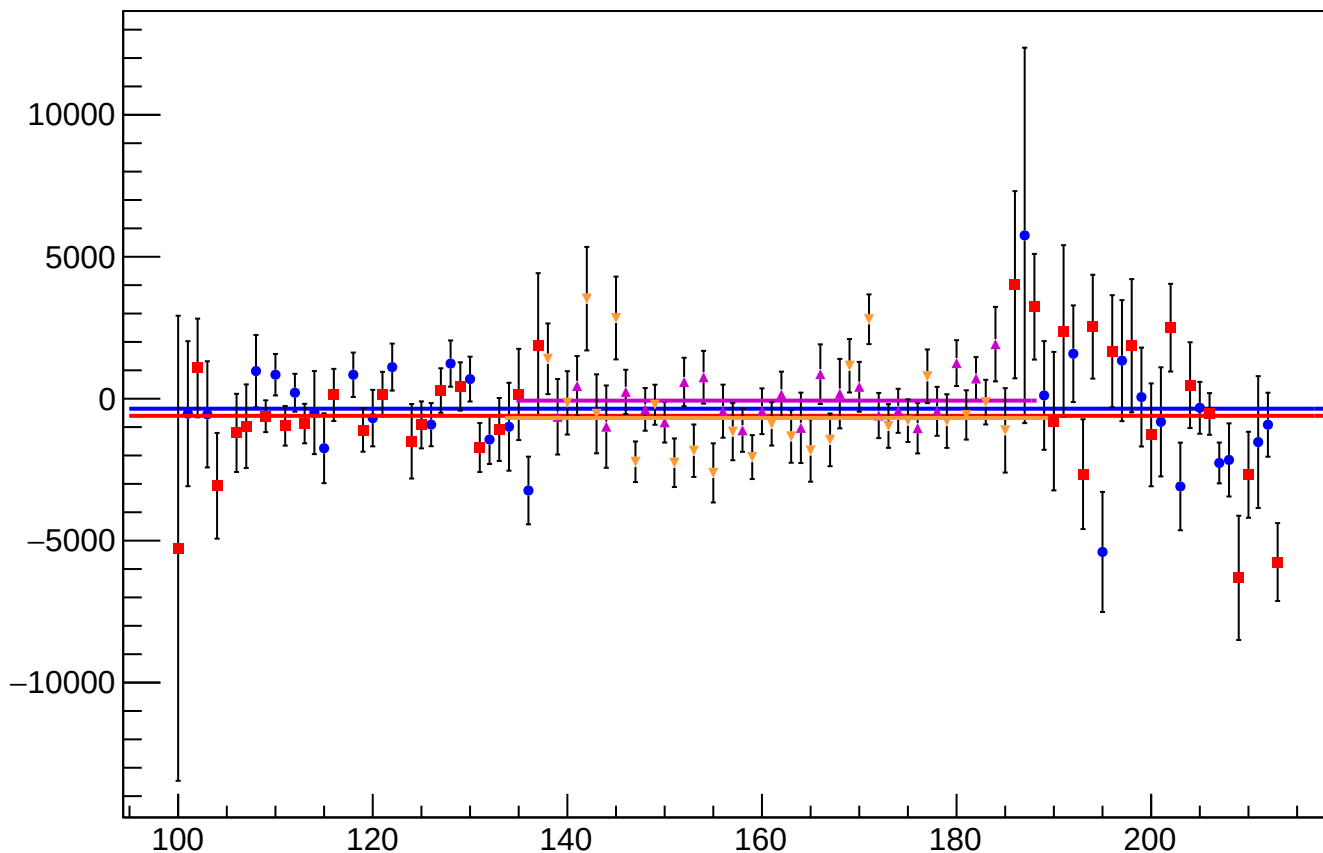
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2764.153+/-0.324 χ^2/NDF : 759450.5/53

All: 2768.208+/-0.229 χ^2/NDF : 1307552.1/11

- sign 2772.246+/-0.323 χ^2/NDF : 547788.5/56

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -352.037 ± 201.839 $\chi^2/\text{NDF}: 46.4/28$

Left Out: -678.227 ± 185.004 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -602.729 ± 192.198 $\chi^2/\text{NDF}: 53.4/33$

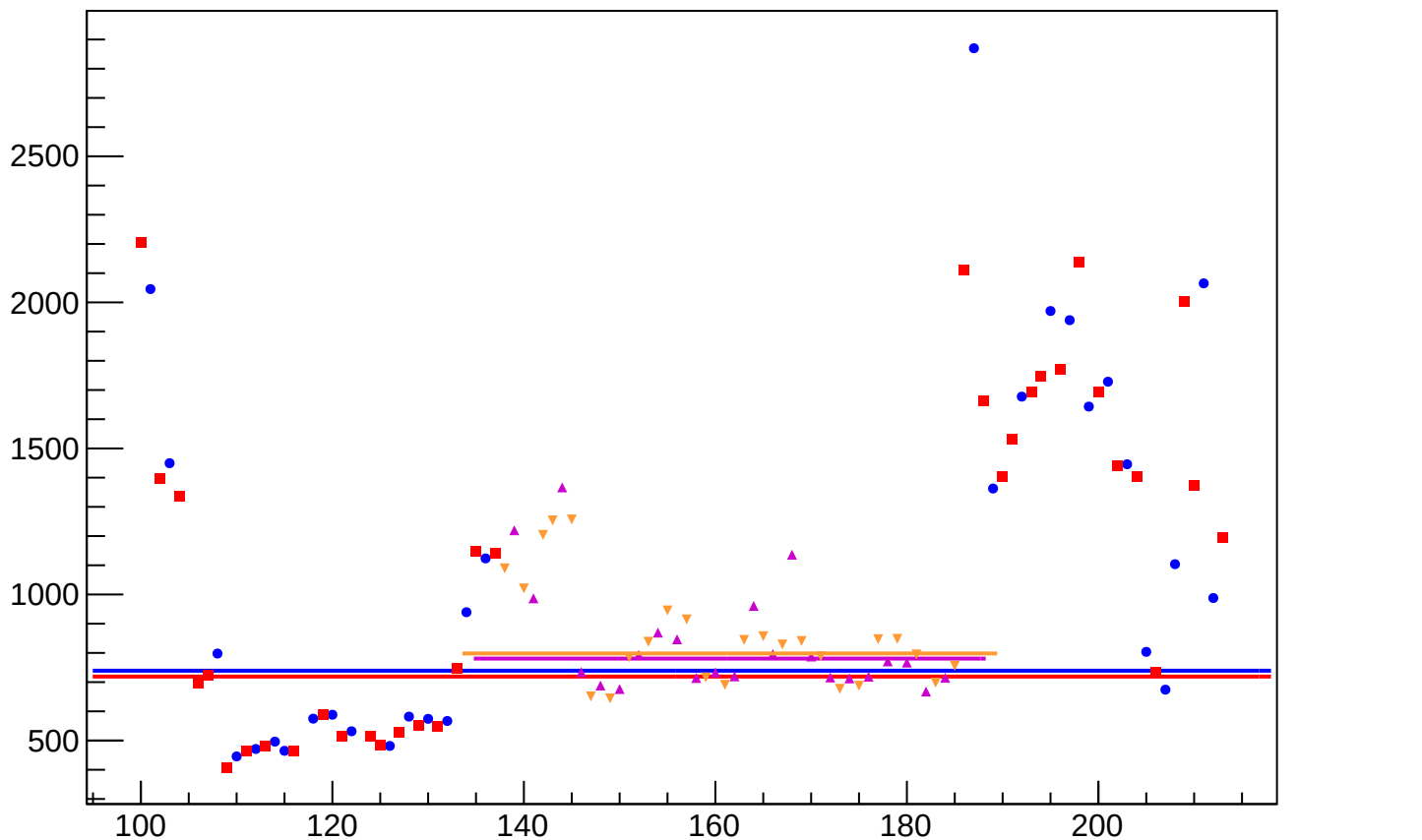
Left In: -67.157 ± 185.436 $\chi^2/\text{NDF}: 15.8/22$

+ sign -529.300 ± 136.382 $\chi^2/\text{NDF}: 104.0/53$

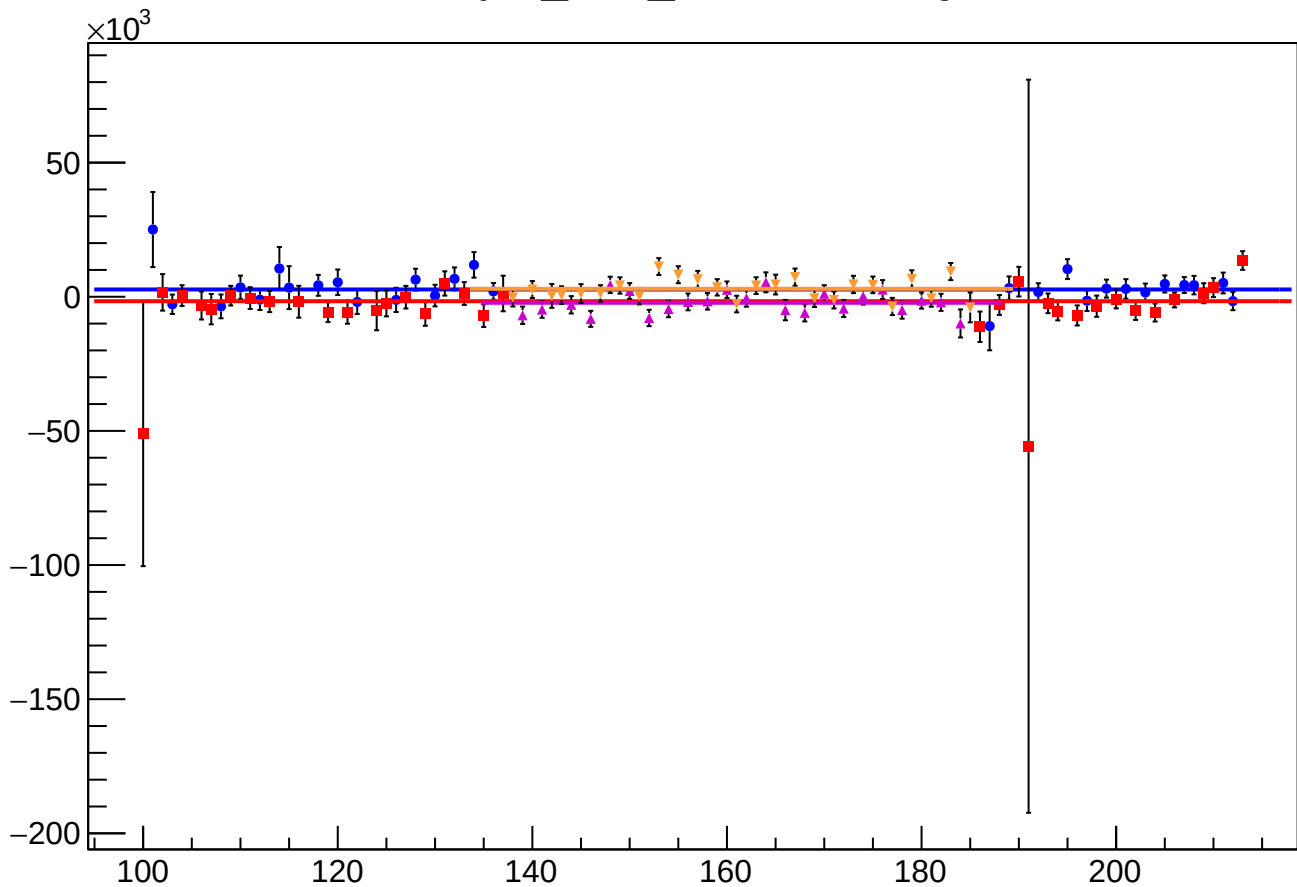
All: -425.112 ± 95.383 $\chi^2/\text{NDF}: 178.4/110$

- sign -325.356 ± 133.449 $\chi^2/\text{NDF}: 73.2/56$

asym_atr1_eigen_dit_correction_rms vs Slug



asym_atr1_mean vs Slug



Right In: 2717.663 ± 740.889 χ^2/NDF : 27.8/28

Left Out: 2969.337 ± 653.286 χ^2/NDF : 35.7/24

Right Out: -1658.414 ± 722.115 χ^2/NDF : 43.1/33

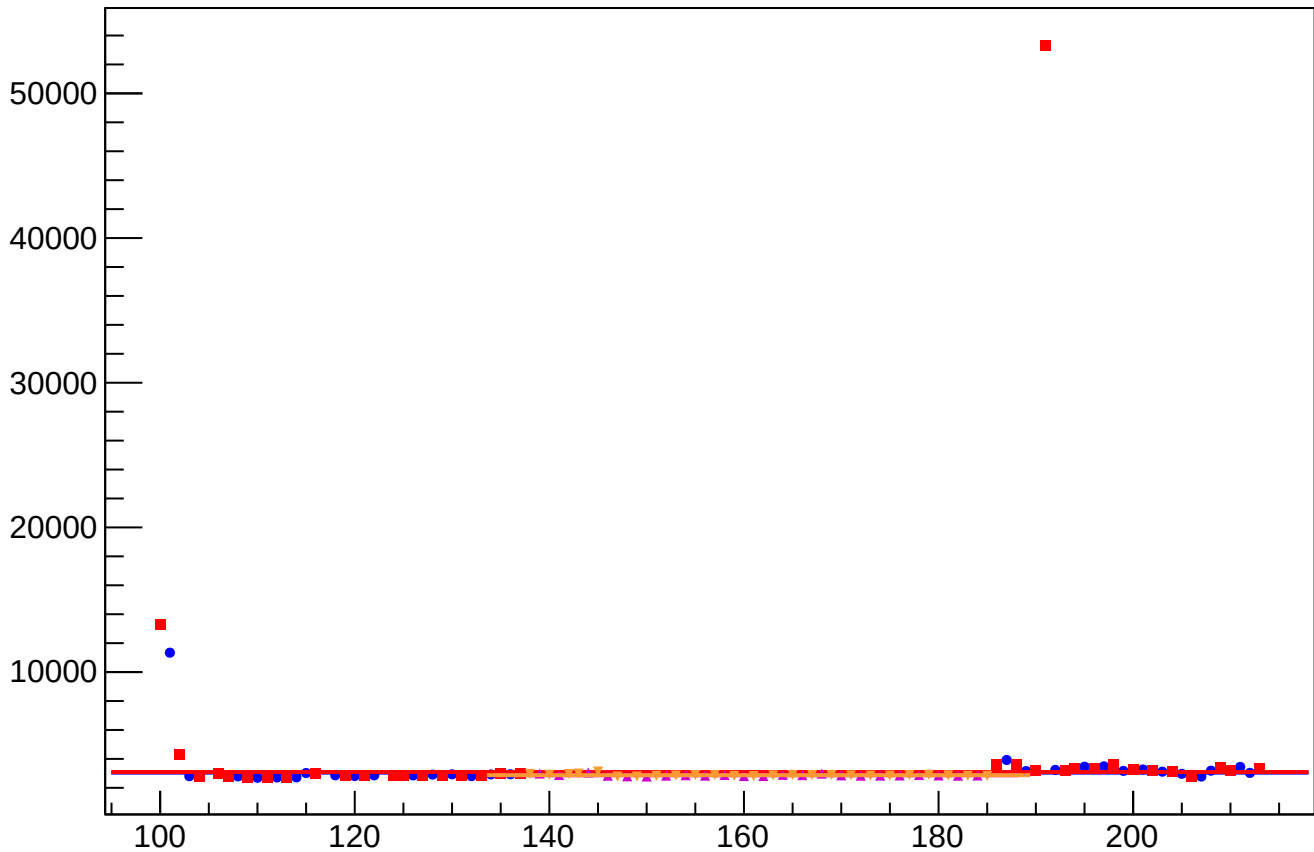
Left In: -2237.495 ± 670.327 χ^2/NDF : 33.8/22

+ sign 2859.251 ± 490.003 χ^2/NDF : 63.6/53

All: 451.189 ± 346.936 χ^2/NDF : 189.3/110

- sign -1969.462 ± 491.282 χ^2/NDF : 77.3/56

asym_atr1_rms vs Slug



Right In: 3051.298+/-0.524 χ^2/NDF : 908784.9/28

Left Out: 2874.933+/-0.462 χ^2/NDF :21788.8/24

Right Out: 3090.230+/-0.511 χ^2/NDF : 761890.0/33

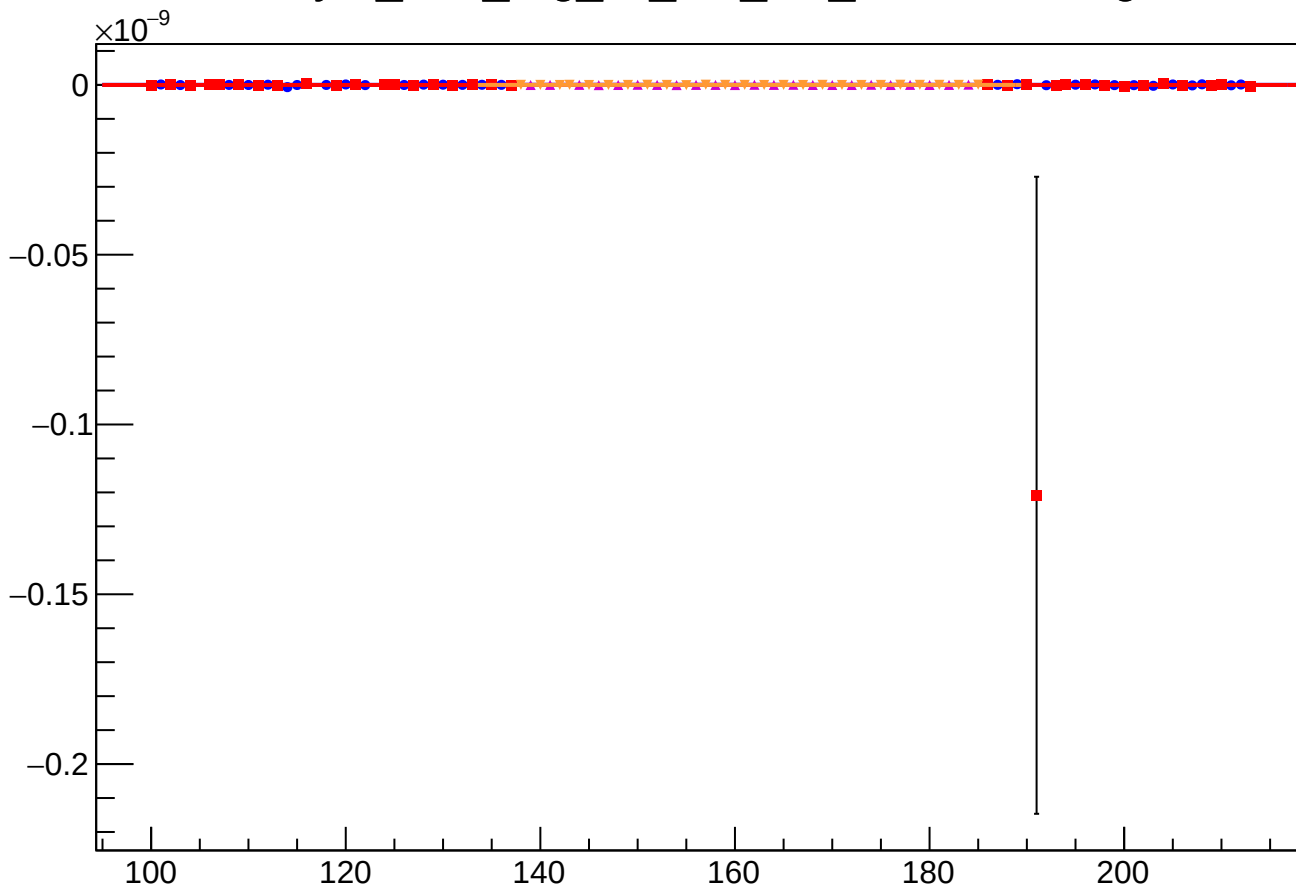
Left In: 2870.153+/-0.474 χ^2/NDF :17687.5/22

+ sign 2952.077+/-0.346 χ^2/NDF : 994331.9/53

All: 2962.021+/-0.245 χ^2/NDF : 1875343.8/11

- sign 2972.018+/-0.347 χ^2/NDF : 879360.1/56

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.1/33

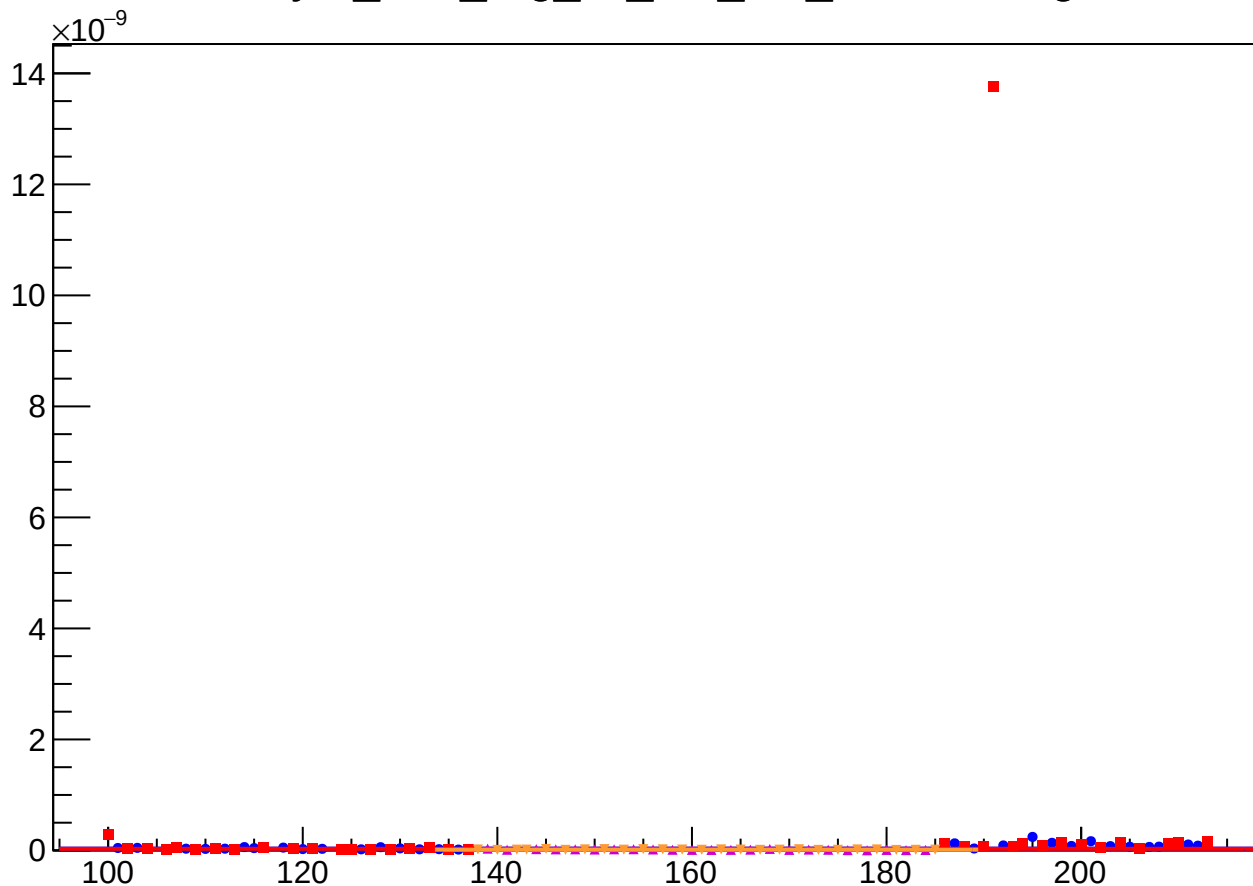
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.1/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 112.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.6/56

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4592476.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5077047.2/33

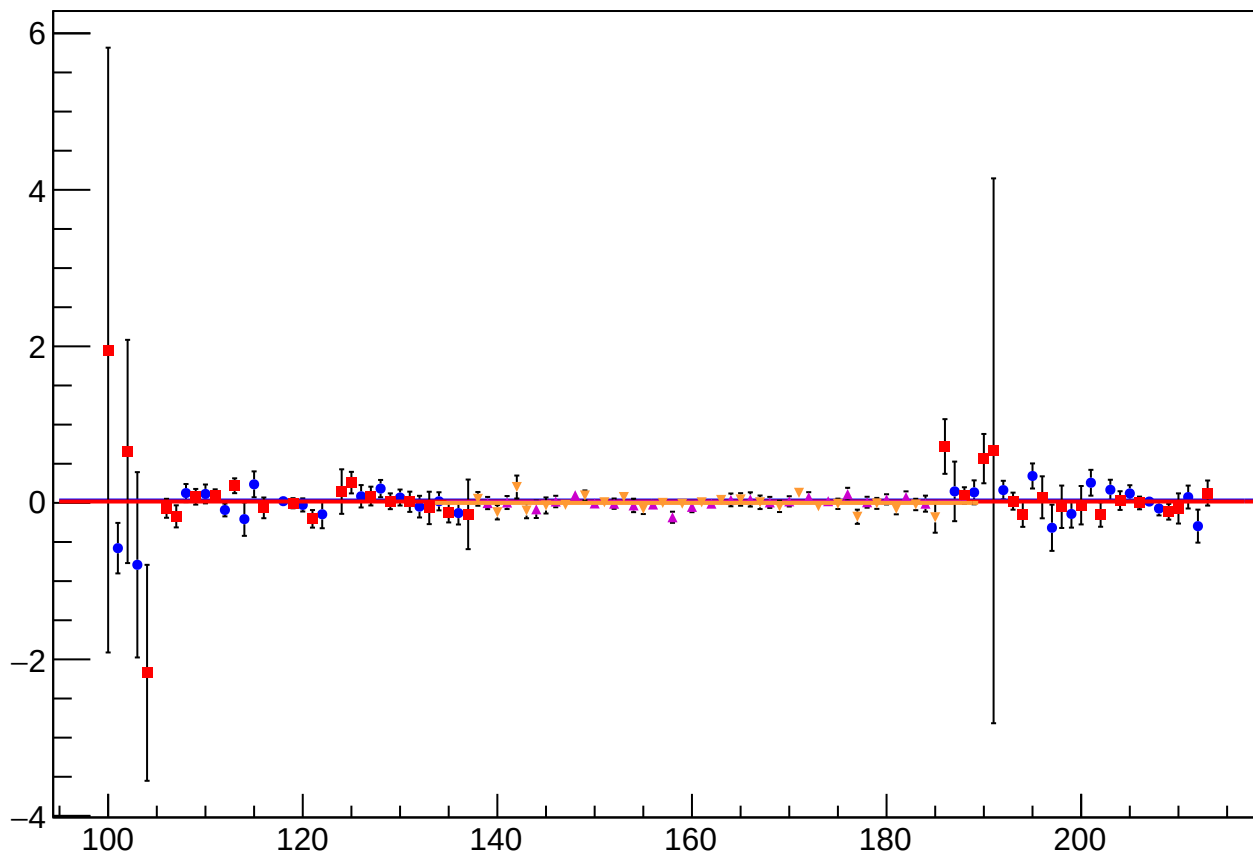
Left In: 0.000+/-0.000 χ^2/NDF : 3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 8578874.5/53

All: 0.000+/-0.000 χ^2/NDF : 20056573.5/110

- sign 0.000+/-0.000 χ^2/NDF : 11171516.1/56

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.021 χ^2 /NDF: 31.0/28

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.017 $\pm$ 0.023 χ^2 /NDF: 33.2/33

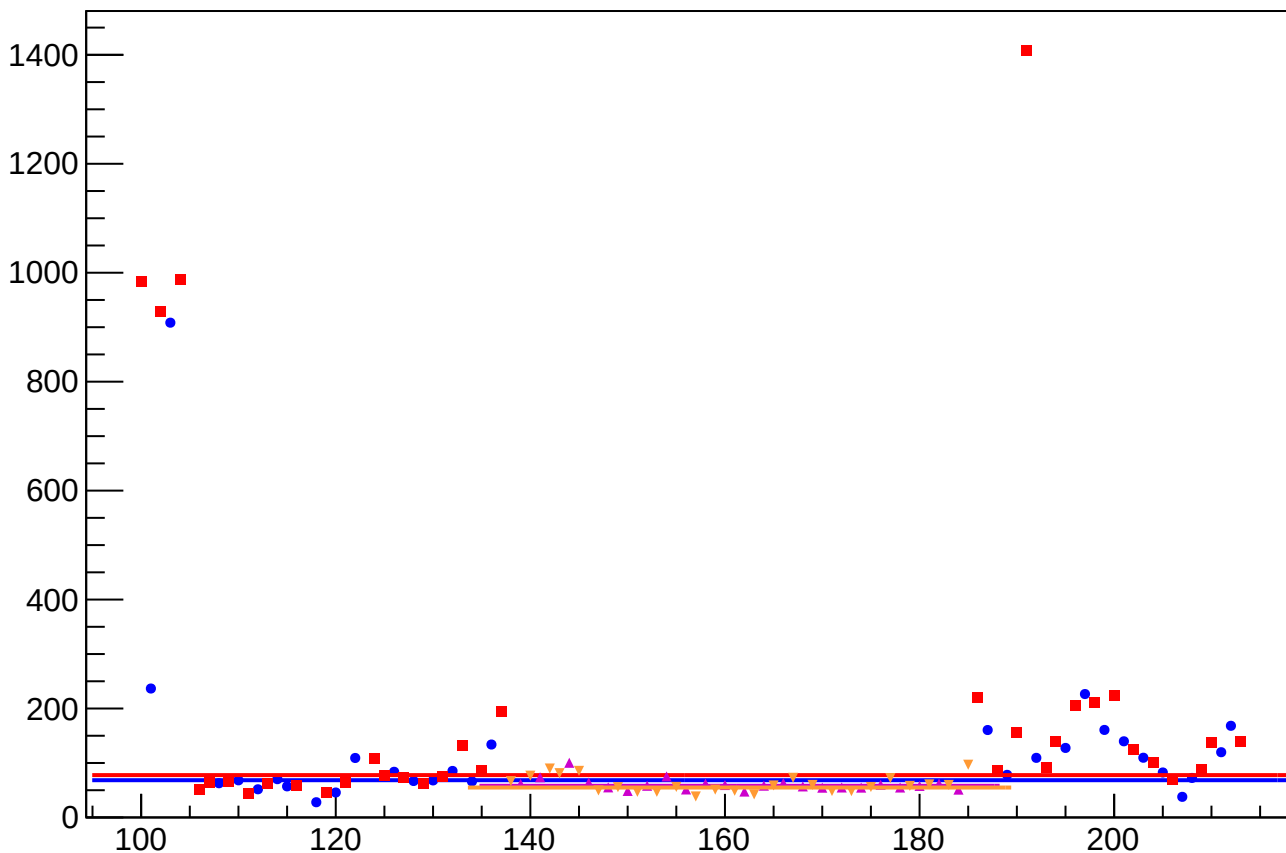
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 55.0/53

All: 0.010 $\pm$ 0.009 χ^2 /NDF: 103.9/110

- sign 0.011 $\pm$ 0.012 χ^2 /NDF: 48.9/56

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 68.383+/-0.015 χ^2/NDF : 7200262.7/28

Left Out: 54.931+/-0.010 χ^2/NDF : 1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF : 6770213.5/33

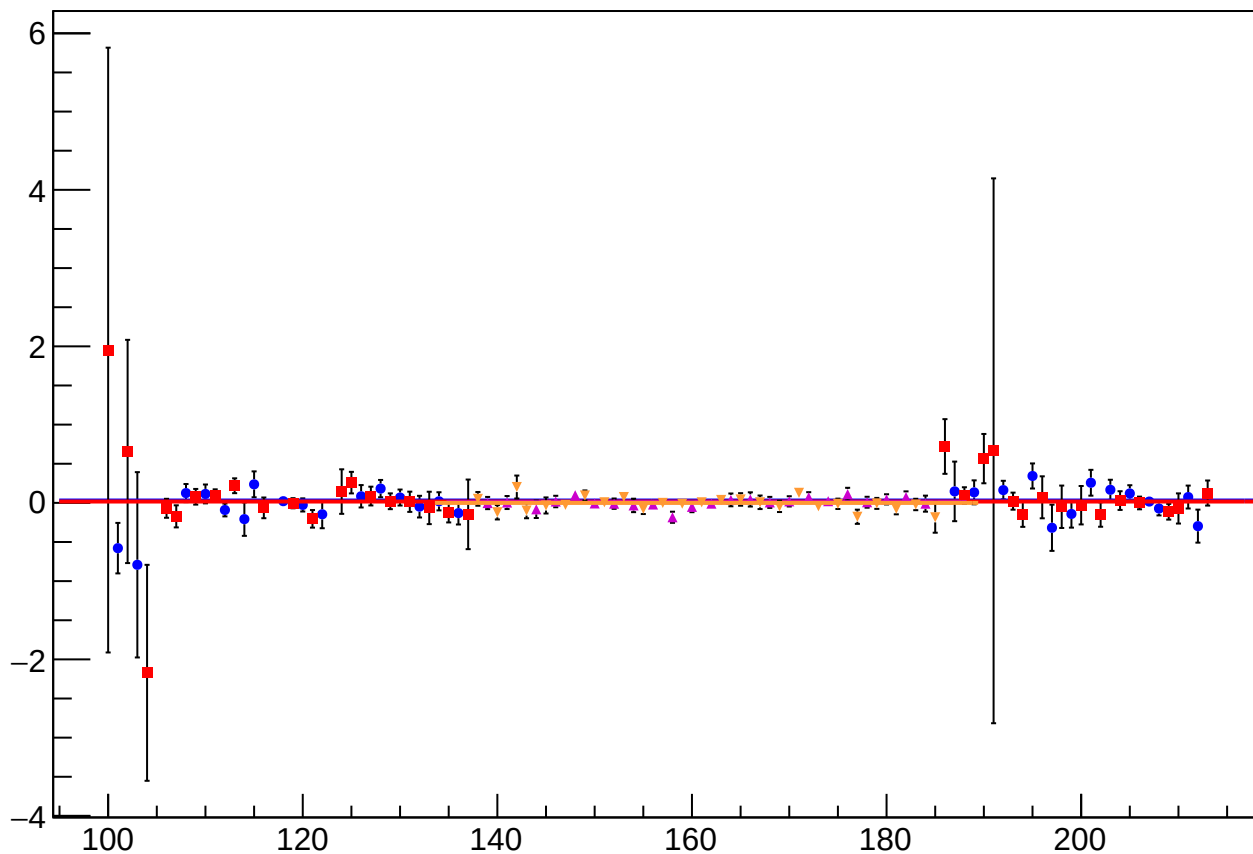
Left In: 58.138+/-0.010 χ^2/NDF : 657436.9/22

+ sign 59.018+/-0.008 χ^2/NDF : 9051472.4/53

All: 61.415+/-0.006 χ^2/NDF : 17711416.4/110

- sign 64.074+/-0.009 χ^2/NDF : 8484655.6/56

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030 ± 0.021 χ^2/NDF : 31.0/28

Left Out: -0.000 ± 0.014 χ^2/NDF : 22.6/24

Right Out: 0.017 ± 0.023 χ^2/NDF : 33.2/33

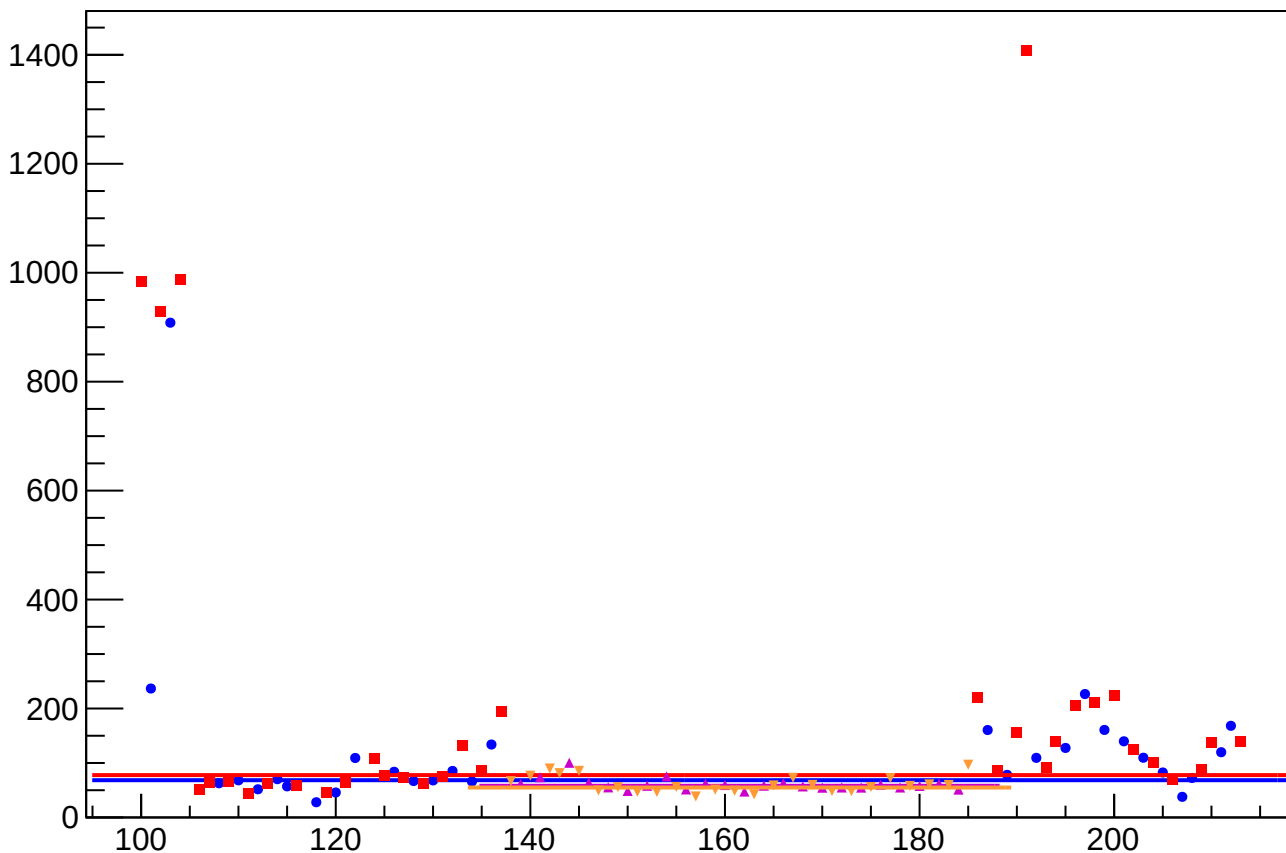
Left In: 0.008 ± 0.015 χ^2/NDF : 15.5/22

+ sign 0.009 ± 0.012 χ^2/NDF : 55.0/53

All: 0.010 ± 0.009 χ^2/NDF : 103.9/110

- sign 0.011 ± 0.012 χ^2/NDF : 48.9/56

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.383+/-0.015 χ^2/NDF : 7200262.7/28

Left Out: 54.931+/-0.010 χ^2/NDF : 1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF : 6770213.5/33

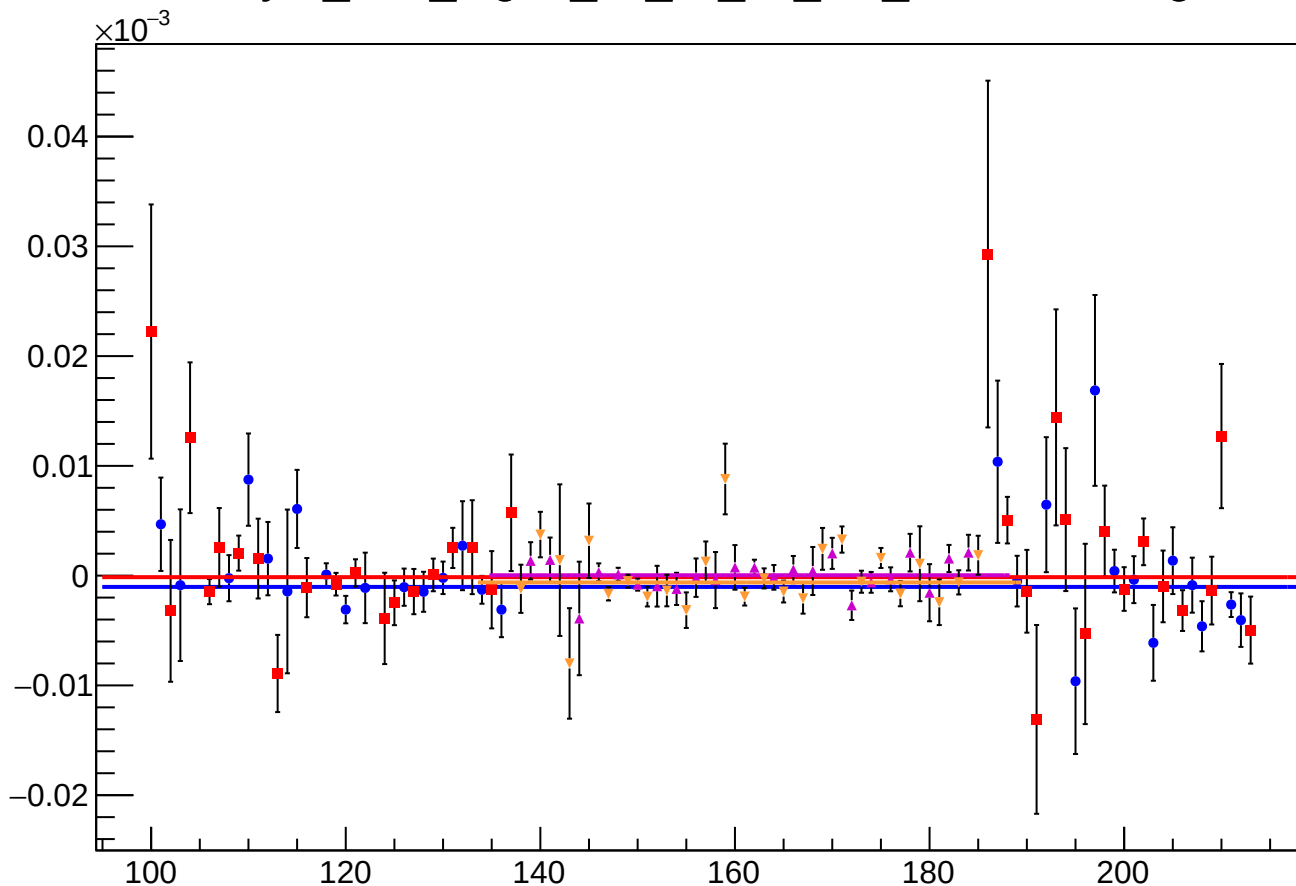
Left In: 58.138+/-0.010 χ^2/NDF : 657436.9/22

+ sign 59.018+/-0.008 χ^2/NDF : 9051472.4/53

All: 61.415+/-0.006 χ^2/NDF : 17711416.4/110

- sign 64.074+/-0.009 χ^2/NDF : 8484655.6/56

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 37.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 52.6/33

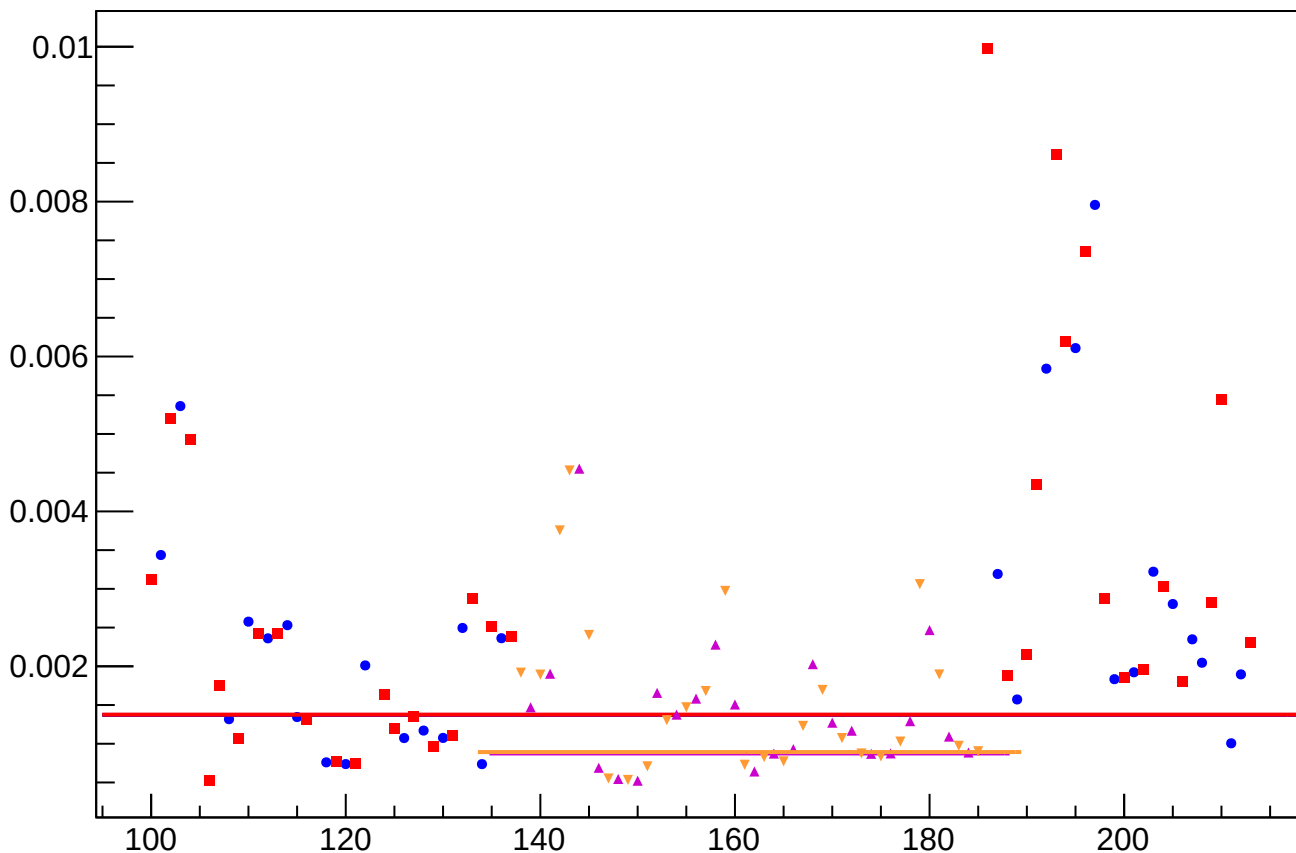
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 90.7/53

All: -0.000 ± 0.000 χ^2/NDF : 167.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 70.9/56

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 ± 0.000 χ^2/NDF : 9359229.3/28

Left Out: 0.001 ± 0.000 χ^2/NDF : 7739119.9/24

Right Out: 0.001 ± 0.000 χ^2/NDF : 11615482.0/33

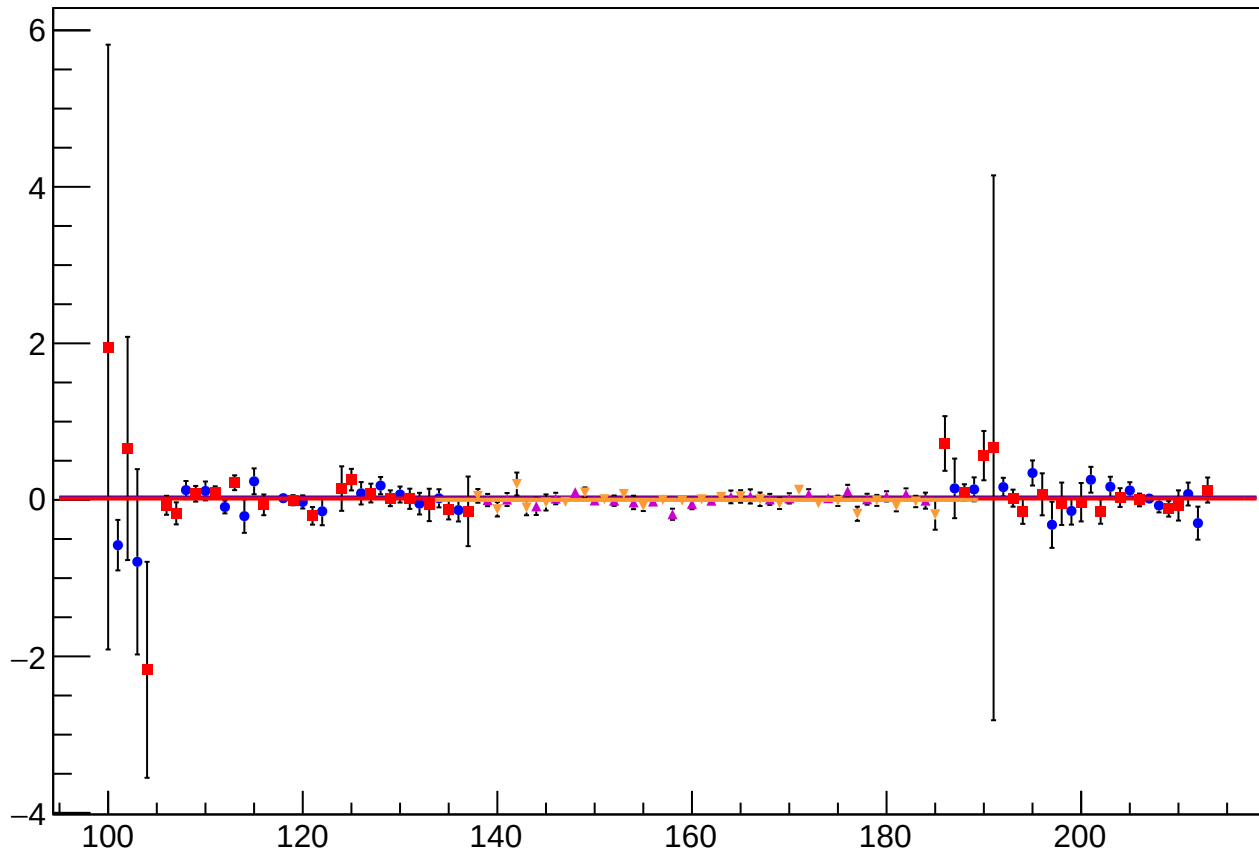
Left In: 0.001 ± 0.000 χ^2/NDF : 6963716.3/22

+ sign 0.001 ± 0.000 χ^2/NDF : 19280140.7/53

All: 0.001 ± 0.000 χ^2/NDF : 40157264.9/110

- sign 0.001 ± 0.000 χ^2/NDF : 20872312.4/56

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.021 χ^2 /NDF: 31.0/28

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.017 $\pm$ 0.023 χ^2 /NDF: 33.2/33

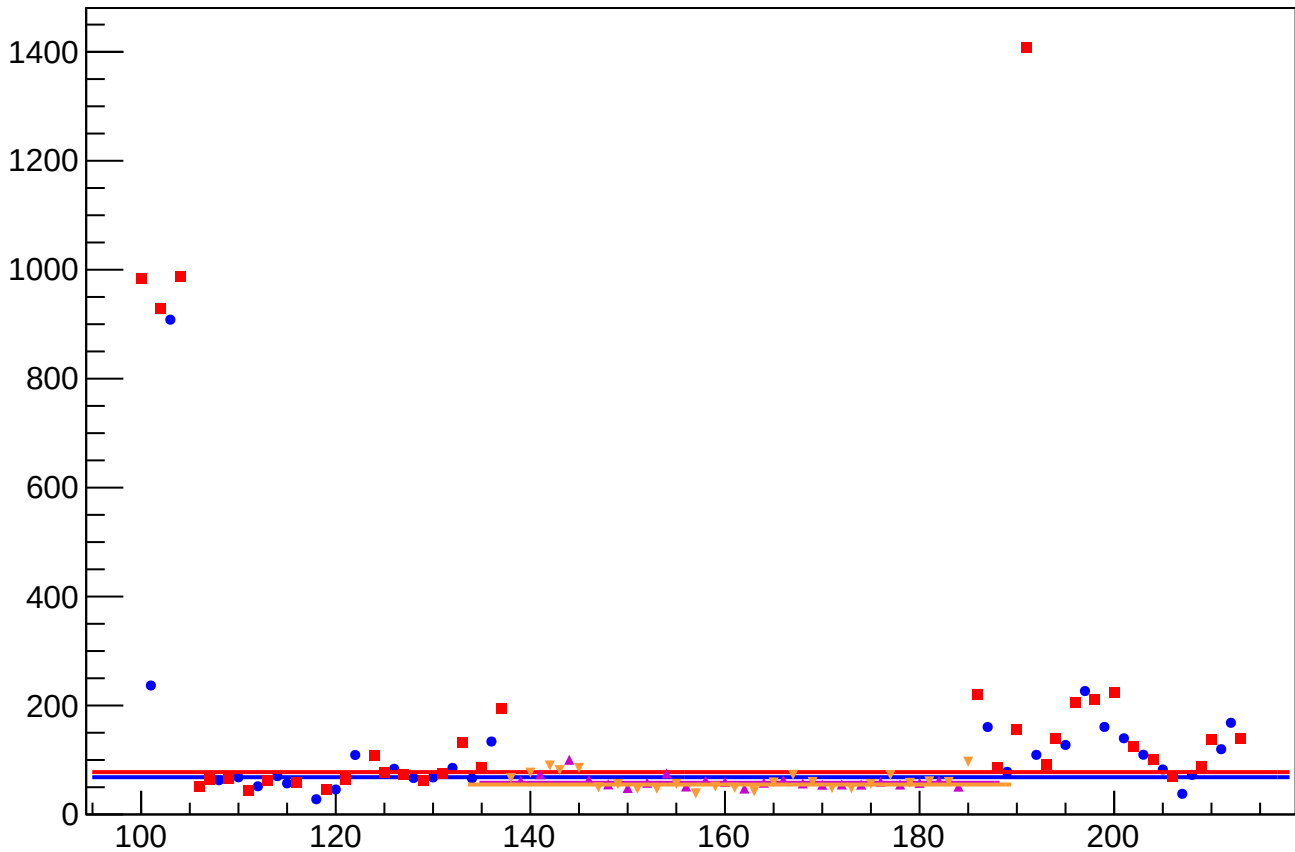
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 55.0/53

All: 0.010 $\pm$ 0.009 χ^2 /NDF: 103.9/110

- sign 0.011 $\pm$ 0.012 χ^2 /NDF: 48.9/56

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.382 $\pm$ 0.015 χ^2 /NDF: 7200537.4/28

Left Out: 54.930 $\pm$ 0.010 χ^2 /NDF: 1297722.9/24

Right Out: 77.732 $\pm$ 0.016 χ^2 /NDF: 6770244.8/33

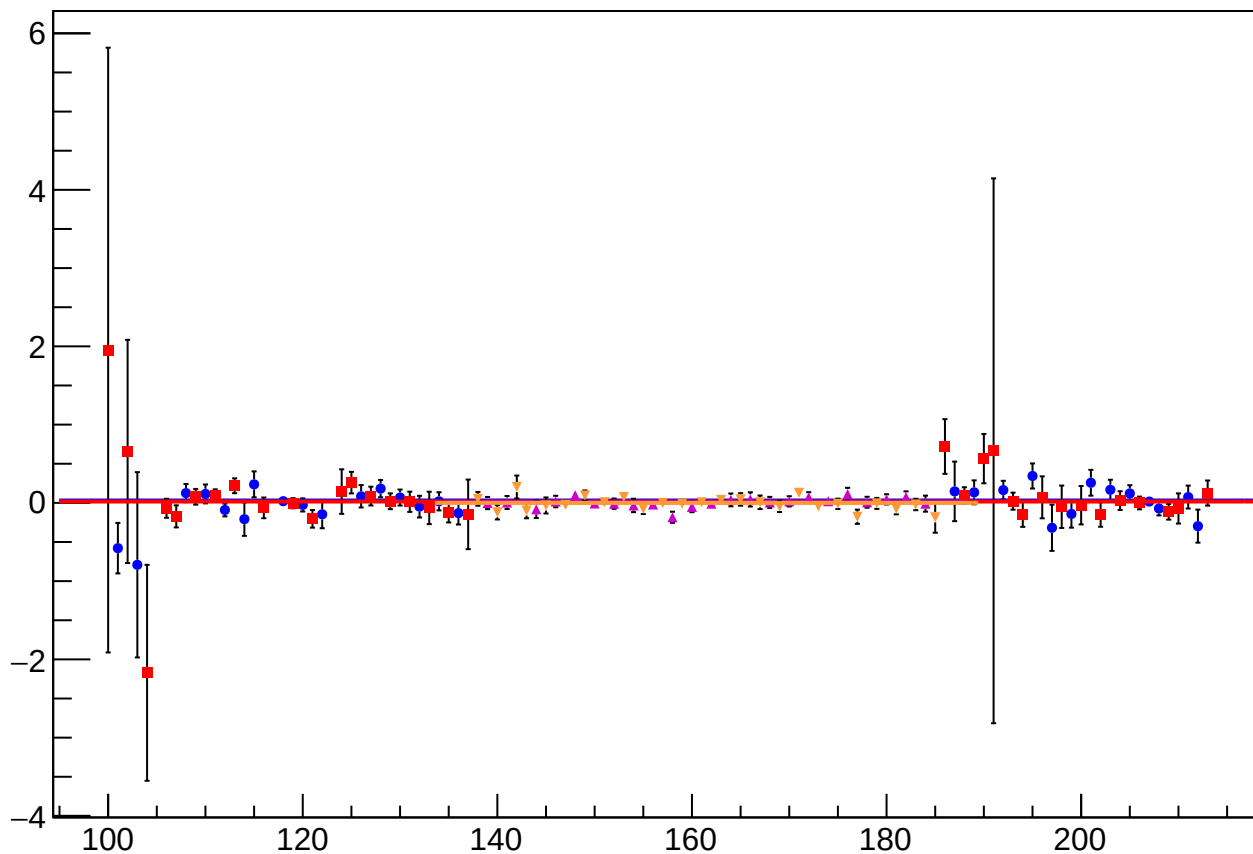
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657460.3/22

+ sign 59.017 $\pm$ 0.008 χ^2 /NDF: 9051769.3/53

All: 61.415 $\pm$ 0.006 χ^2 /NDF: 17711790.7/110

- sign 64.074 $\pm$ 0.009 χ^2 /NDF: 8484689.4/56

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.021 χ^2 /NDF: 31.0/28

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.017 $\pm$ 0.023 χ^2 /NDF: 33.2/33

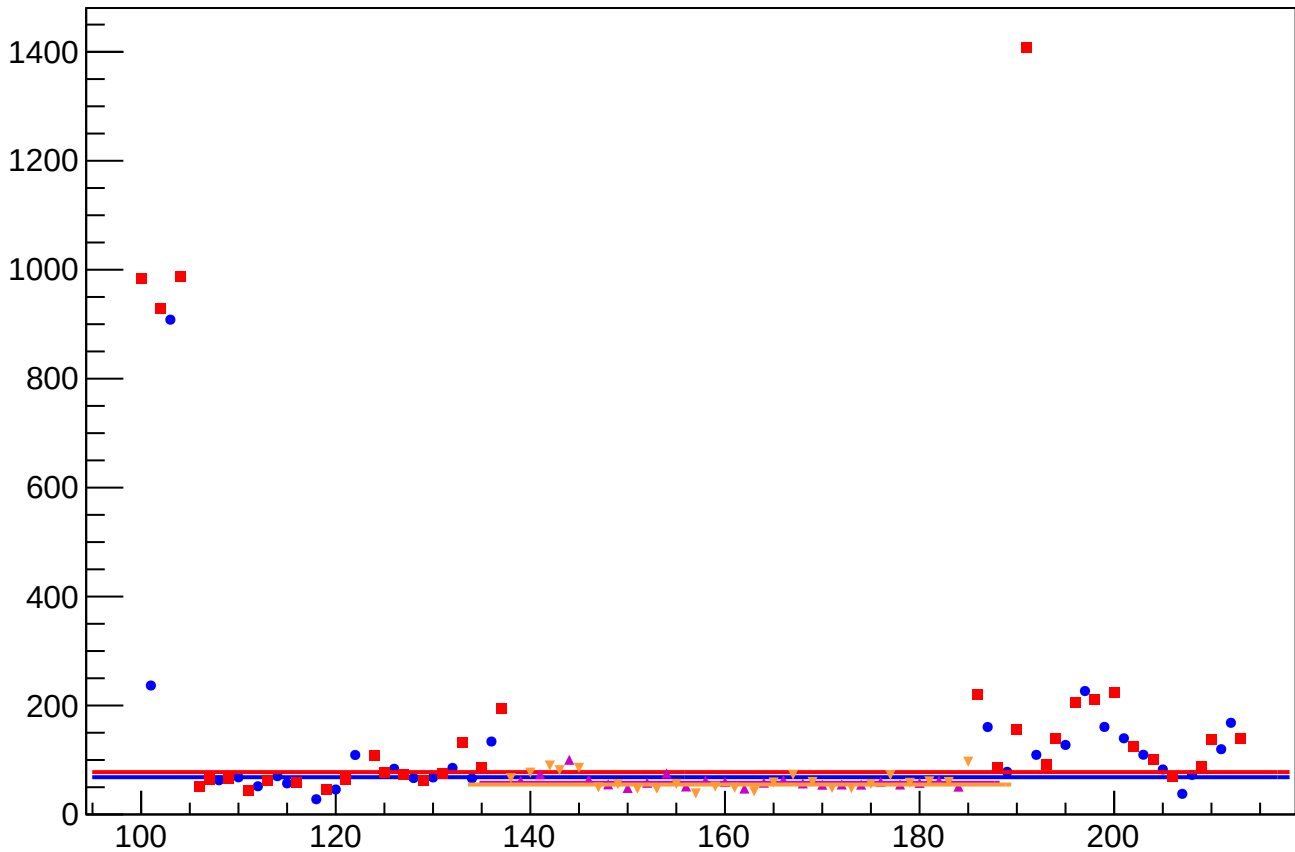
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.009 $\pm$ 0.012 χ^2 /NDF: 55.0/53

All: 0.010 $\pm$ 0.009 χ^2 /NDF: 103.9/110

- sign 0.011 $\pm$ 0.012 χ^2 /NDF: 48.9/56

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.382 $\pm$ 0.015 χ^2 /NDF: 7200537.4/28

Left Out: 54.930 $\pm$ 0.010 χ^2 /NDF: 1297722.9/24

Right Out: 77.732 $\pm$ 0.016 χ^2 /NDF: 6770244.8/33

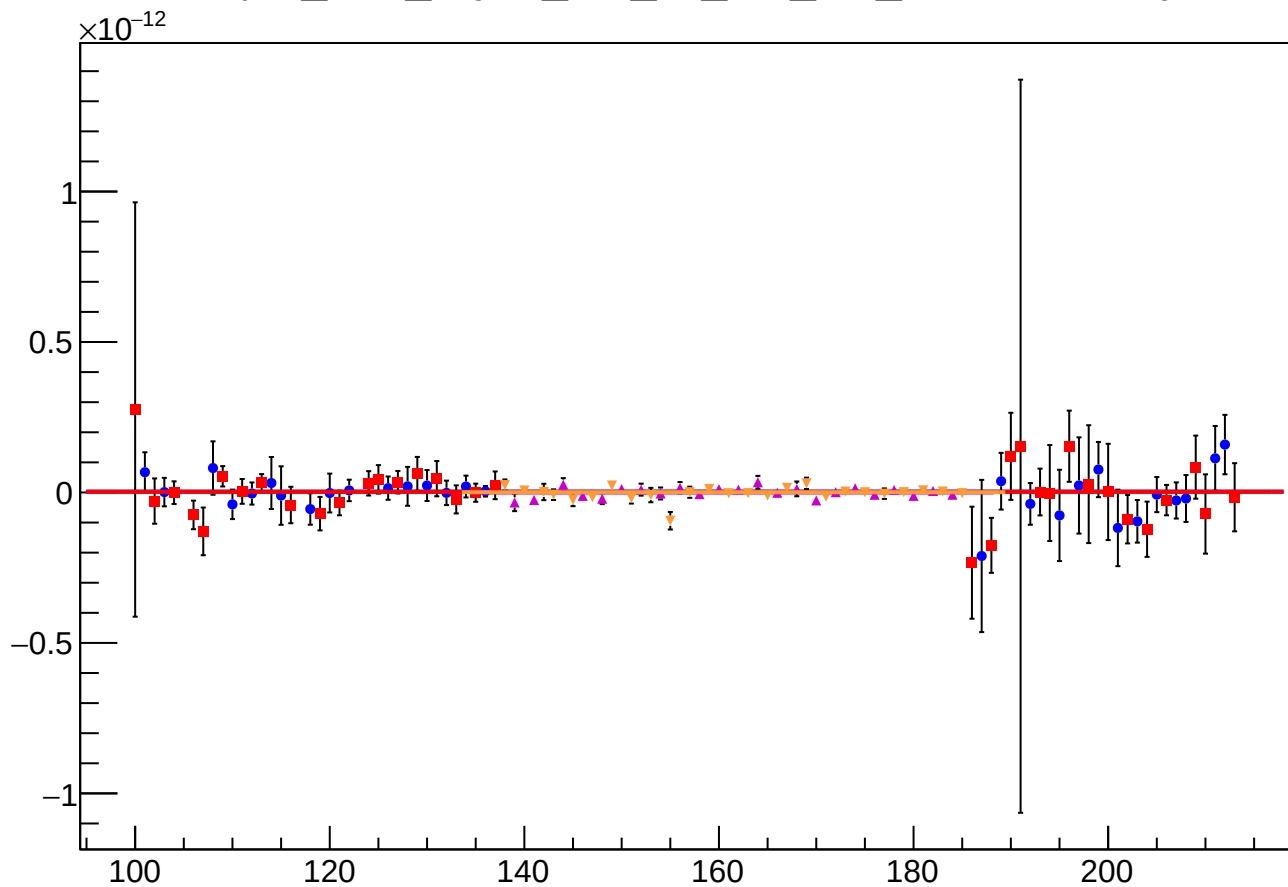
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657460.3/22

+ sign 59.017 $\pm$ 0.008 χ^2 /NDF: 9051769.3/53

All: 61.415 $\pm$ 0.006 χ^2 /NDF: 17711790.7/110

- sign 64.074 $\pm$ 0.009 χ^2 /NDF: 8484689.4/56

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 28.5/33

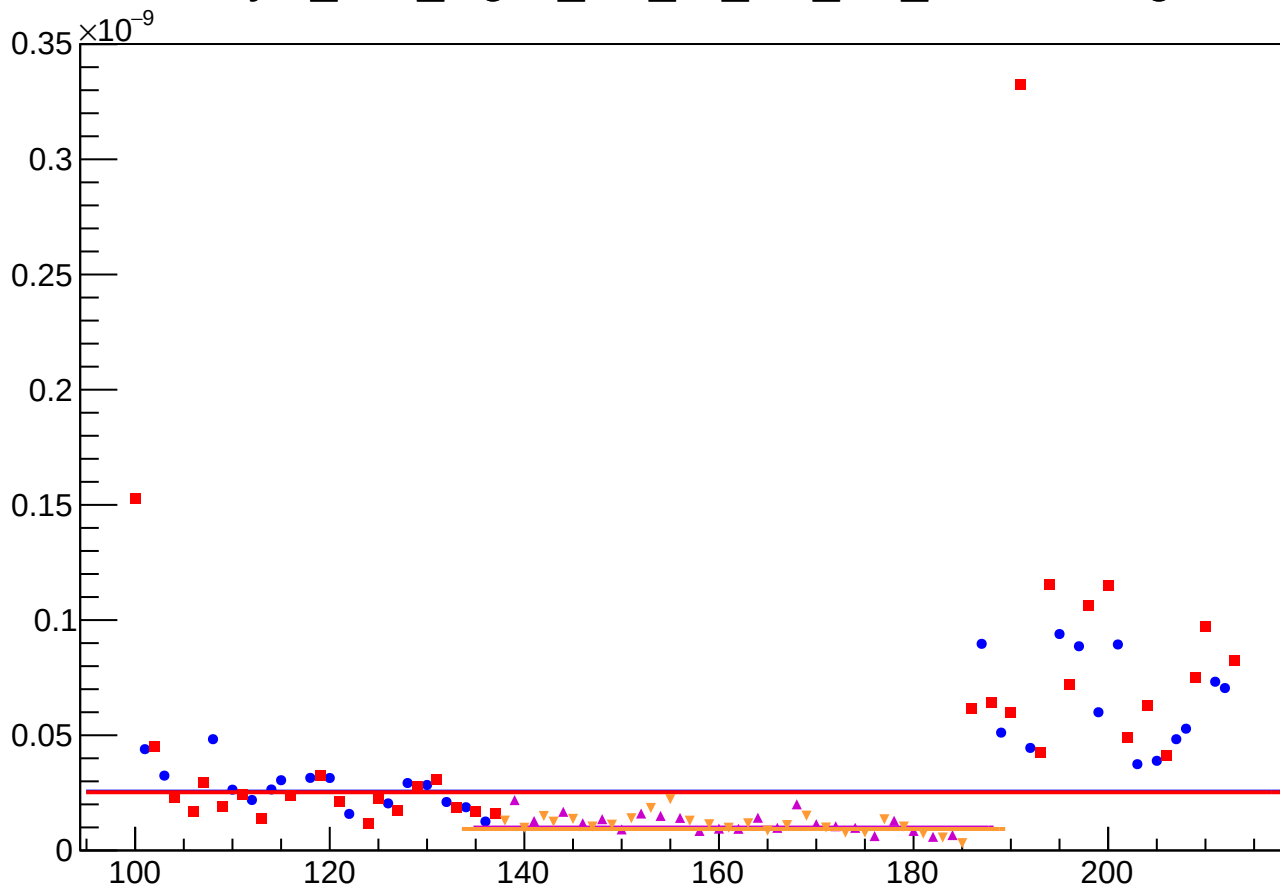
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 38.7/53

All: 0.000 ± 0.000 χ^2/NDF : 87.5/110

- sign -0.000 ± 0.000 χ^2/NDF : 48.8/56

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5221240.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6309311.0/33

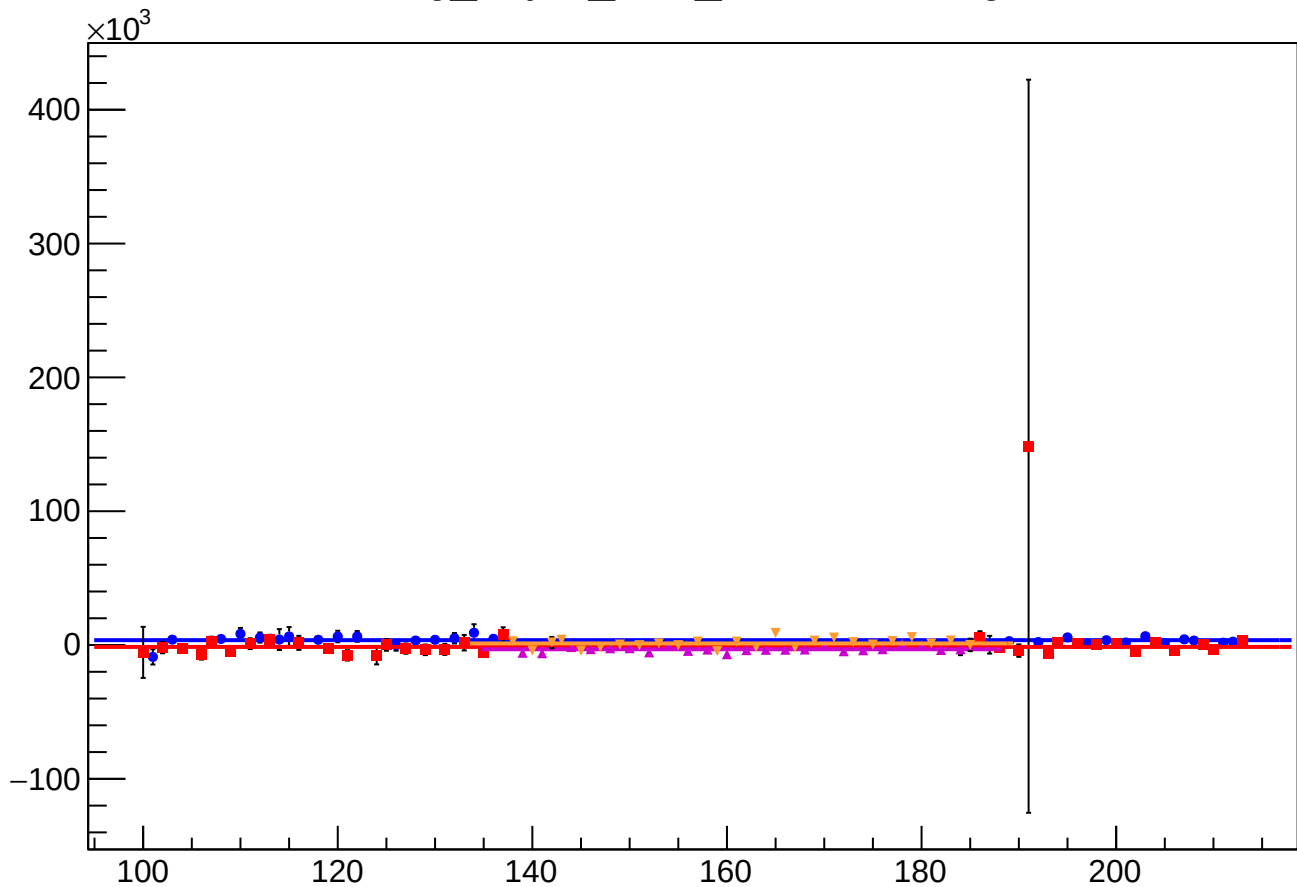
Left In: 0.000+/-0.000 χ^2/NDF : 2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 13735035.1/53

All: 0.000+/-0.000 χ^2/NDF : 27480165.7/110

- sign 0.000+/-0.000 χ^2/NDF : 13679734.3/56

reg_asym_atr2_mean vs Slug



Right In: 3637.065+/-637.886 χ^2/NDF : 13.5/28

Left Out: 1188.836+/-556.242 χ^2/NDF : 31.1/24

Right Out: -1409.347+/-616.692 χ^2/NDF : 31.6/33

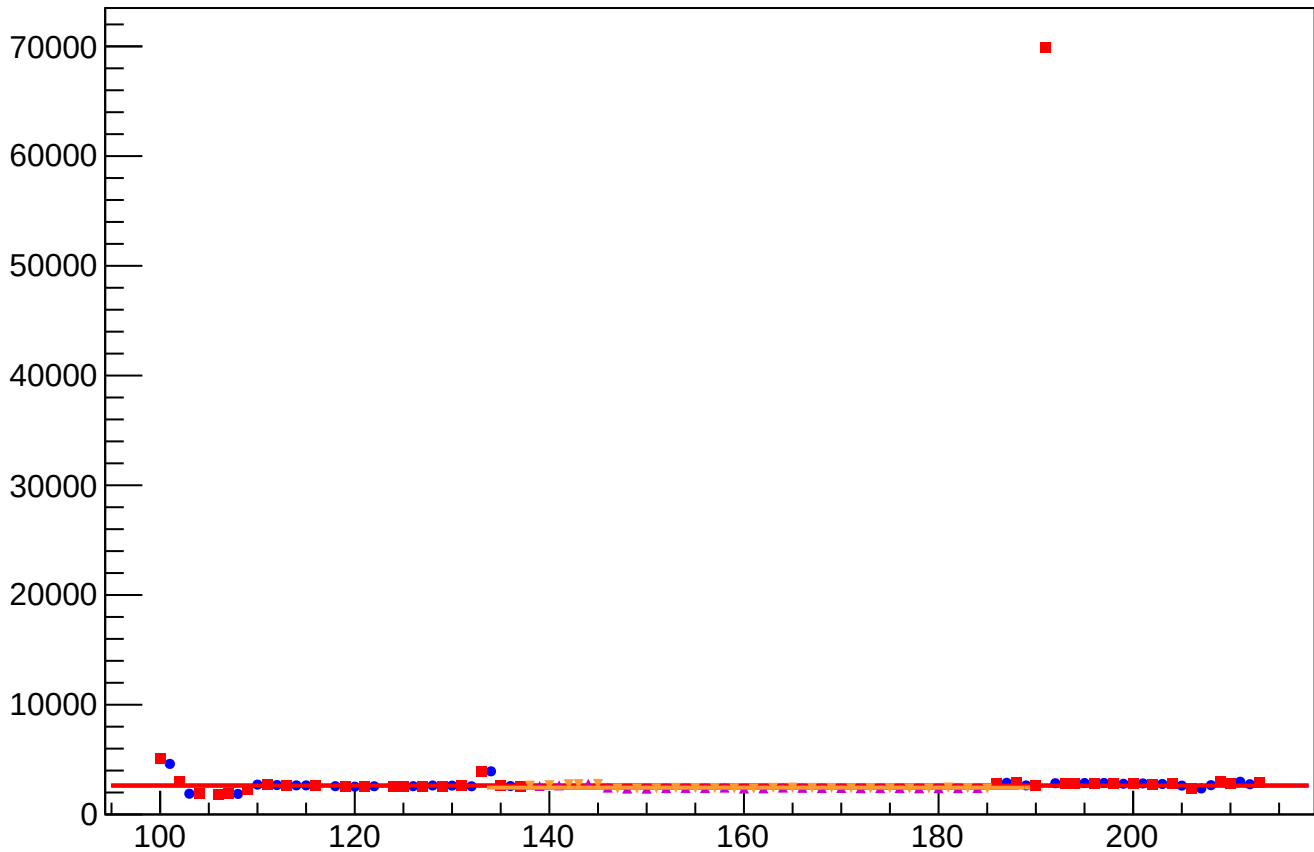
Left In: -3147.419+/-569.221 χ^2/NDF : 12.7/22

+ sign 2246.340+/-419.236 χ^2/NDF : 53.0/53

All: -56.011+/-296.105 χ^2/NDF : 161.7/110

- sign -2347.845+/-418.277 χ^2/NDF : 48.5/56

reg_asym_atr2_rms vs Slug



Right In: 2634.894+/-0.451 χ^2/NDF : 747920.2/28

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2633.602+/-0.436 χ^2/NDF : 803150.7/33

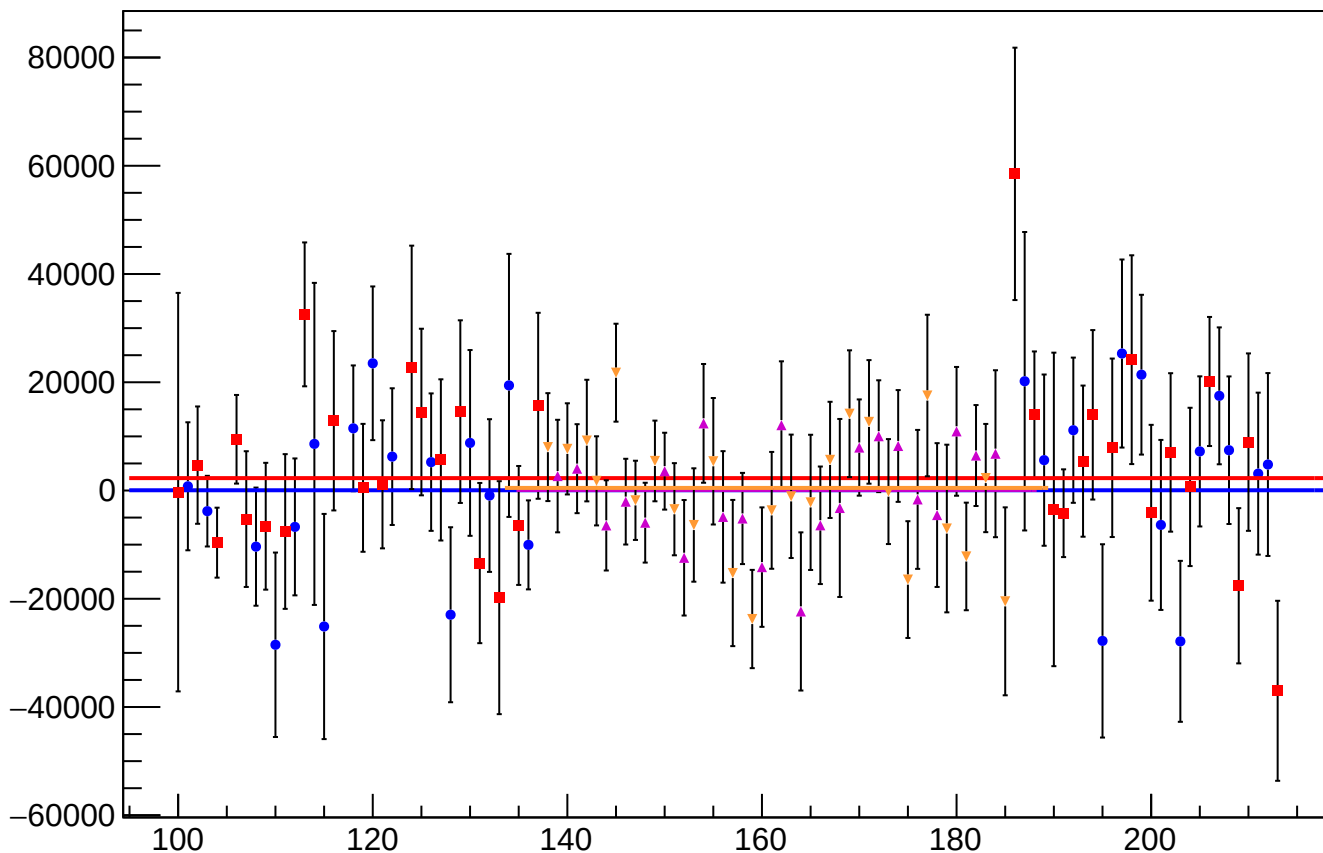
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2527.493+/-0.296 χ^2/NDF : 937744.5/53

All: 2527.184+/-0.209 χ^2/NDF : 1911020.5/11

- sign 2526.877+/-0.296 χ^2/NDF : 973273.8/56

asym_atr2_reg_correction_mean vs Slug



Right In: 45.998 $\pm$ 2492.192 χ^2 /NDF: 28.7/28

Left Out: 477.187 $\pm$ 2035.969 χ^2 /NDF: 27.4/24

Right Out: 2290.405 $\pm$ 2256.543 χ^2 /NDF: 36.4/33

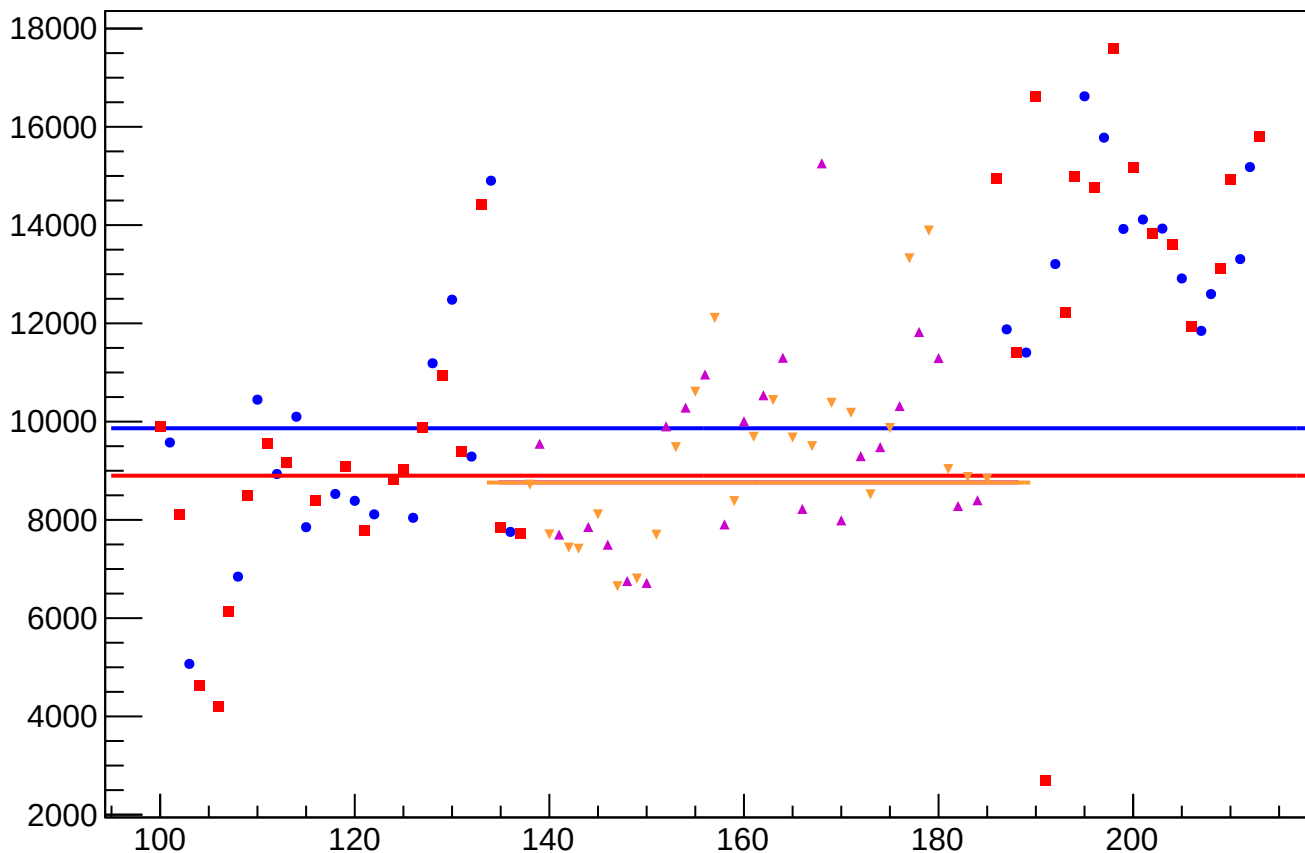
Left In: 104.954 $\pm$ 2090.899 χ^2 /NDF: 14.5/22

+ sign 304.599 $\pm$ 1576.713 χ^2 /NDF: 56.1/53

All: 720.761 $\pm$ 1099.385 χ^2 /NDF: 107.7/110

- sign 1114.531 $\pm$ 1533.709 χ^2 /NDF: 51.4/56

asym_atr2_reg_correction_rms vs Slug



Right In: 9864.945 $\pm$ 1.762 χ^2 /NDF: 3323375.3/28

Left Out: 8759.635 $\pm$ 1.440 χ^2 /NDF:1222238.0/24

Right Out: 8899.648 $\pm$ 1.596 χ^2 /NDF: 6132433.8/33

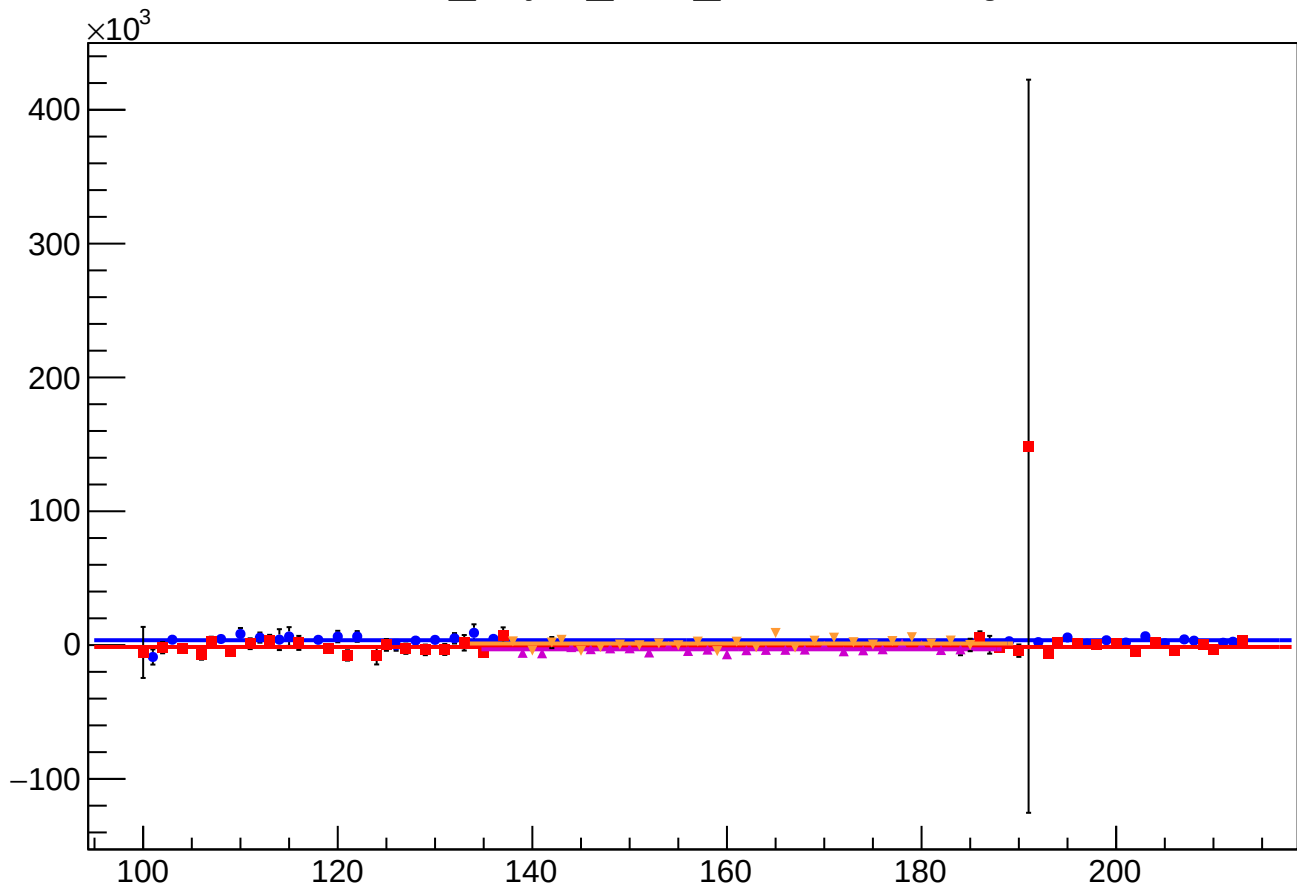
Left In: 8764.138 $\pm$ 1.478 χ^2 /NDF:1291698.9/22

+ sign 9202.047 $\pm$ 1.115 χ^2 /NDF: 4781551.6/53

All: 9009.204 $\pm$ 0.777 χ^2 /NDF: 12267791.0/100

- sign 8826.737 $\pm$ 1.084 χ^2 /NDF: 7428013.3/56

cor_asym_atr2_mean vs Slug



Right In: 3636.955+/-637.886 χ^2/NDF : 13.5/28

Left Out: 1188.666+/-556.242 χ^2/NDF : 31.1/24

Right Out: -1409.702+/-616.694 χ^2/NDF : 31.6/33

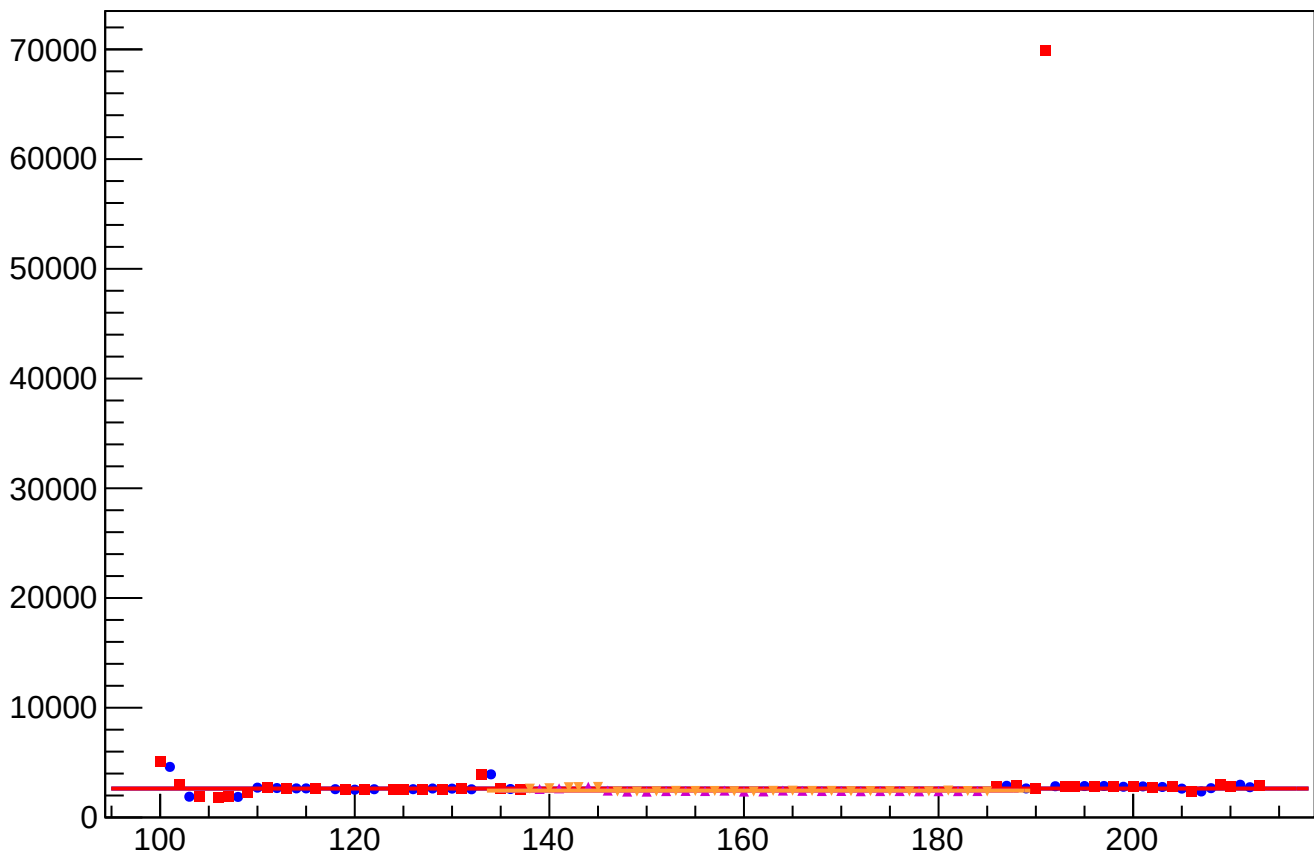
Left In: -3147.222+/-569.221 χ^2/NDF : 12.7/22

+ sign 2246.196+/-419.236 χ^2/NDF : 53.0/53

All: -56.109+/-296.105 χ^2/NDF : 161.7/110

- sign -2347.905+/-418.278 χ^2/NDF : 48.5/56

cor_asym_atr2_rms vs Slug



Right In: 2634.895+/-0.451 χ^2 /NDF: 747917.4/28

Left Out: 2445.826+/-0.393 χ^2 /NDF: 90014.8/24

Right Out: 2633.614+/-0.436 χ^2 /NDF: 803074.0/33

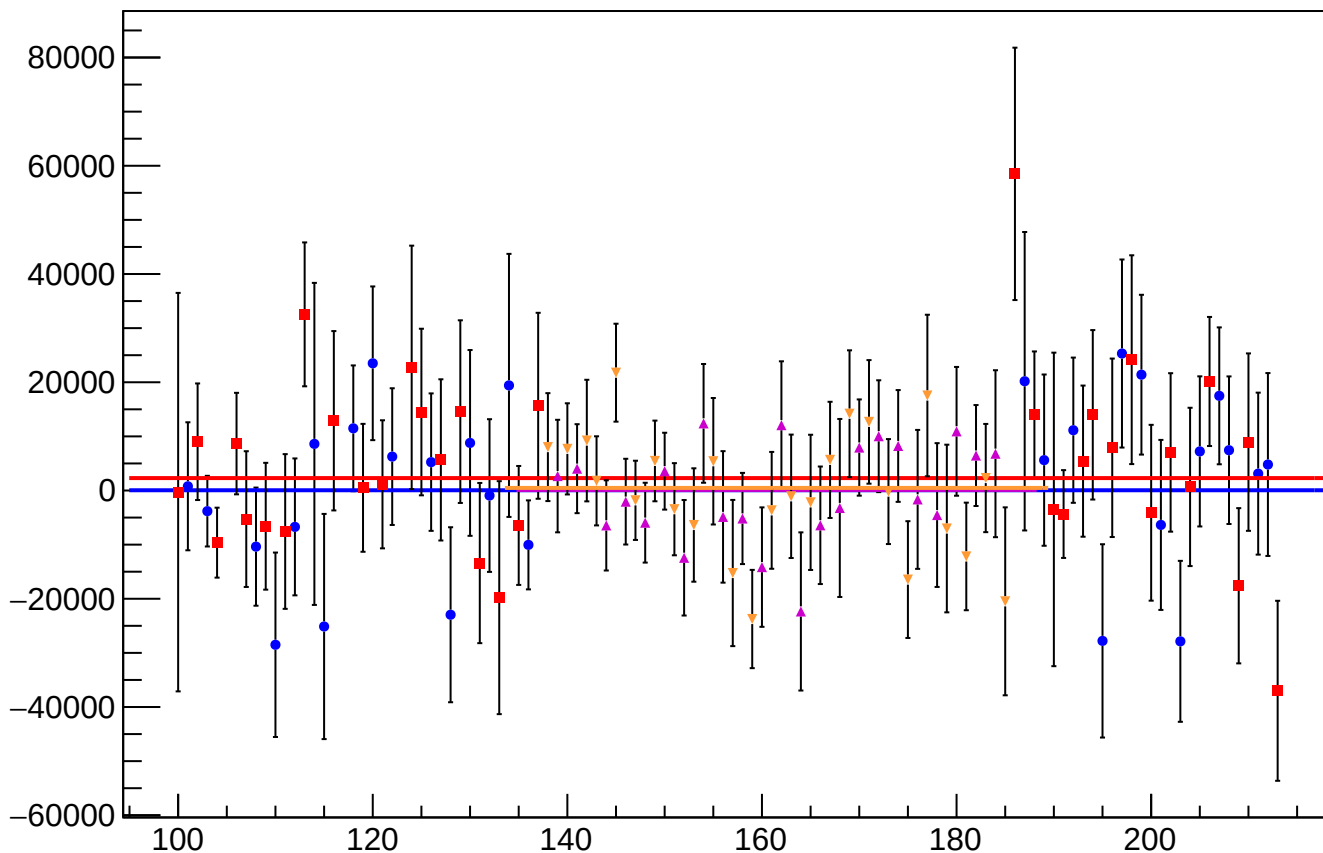
Left In: 2435.950+/-0.403 χ^2 /NDF: 59189.9/22

+ sign 2527.493+/-0.296 χ^2 /NDF: 937742.2/53

All: 2527.187+/-0.209 χ^2 /NDF: 1910954.6/11

- sign 2526.882+/-0.296 χ^2 /NDF: 973210.3/56

asym_atr2_cor_correction_mean vs Slug



Right In: 46.356 $\pm$ 2492.238 χ^2 /NDF: 28.7/28

Left Out: 477.198 $\pm$ 2035.967 χ^2 /NDF: 27.4/24

Right Out: 2294.940 $\pm$ 2276.652 χ^2 /NDF: 36.5/33

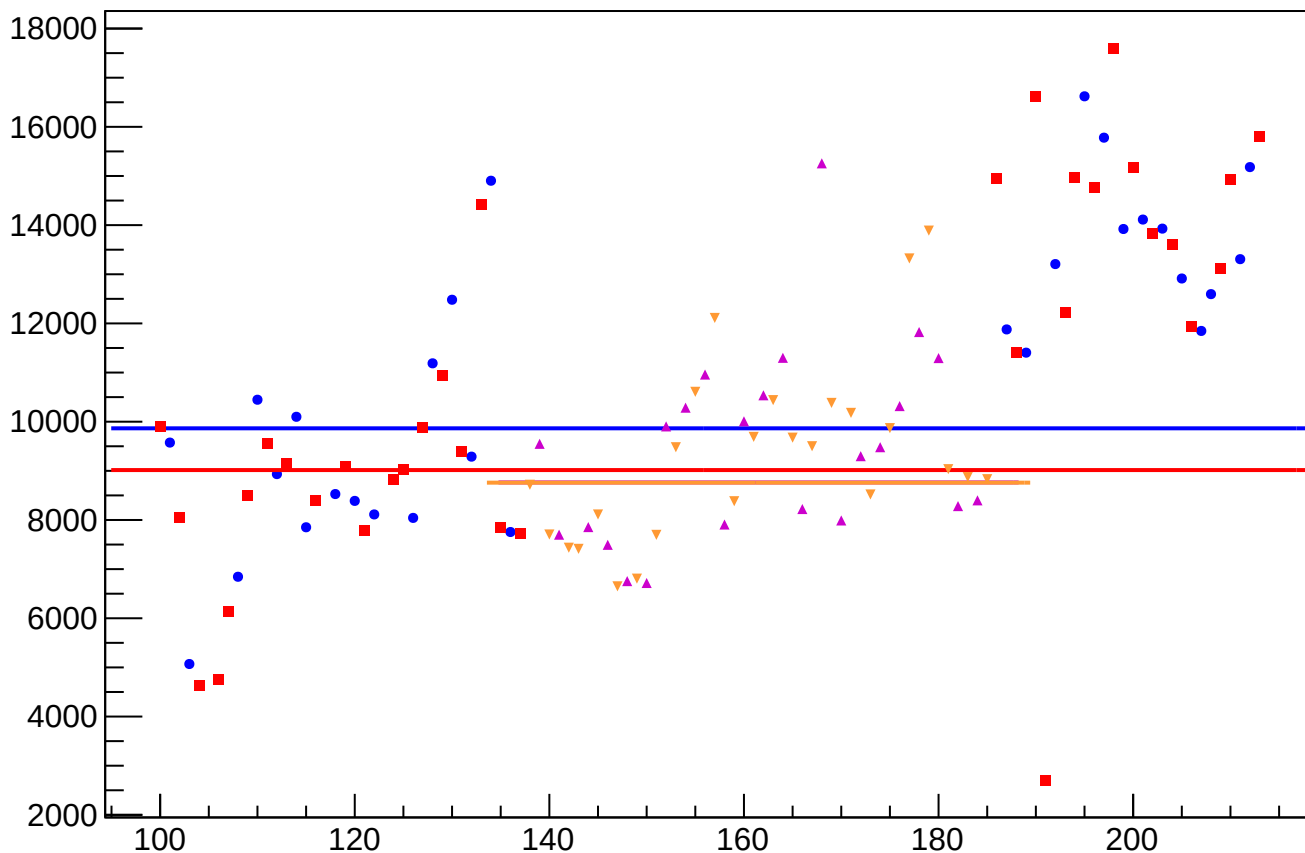
Left In: 105.025 $\pm$ 2090.897 χ^2 /NDF: 14.5/22

+ sign 304.753 $\pm$ 1576.724 χ^2 /NDF: 56.1/53

All: 715.340 $\pm$ 1101.690 χ^2 /NDF: 107.7/110

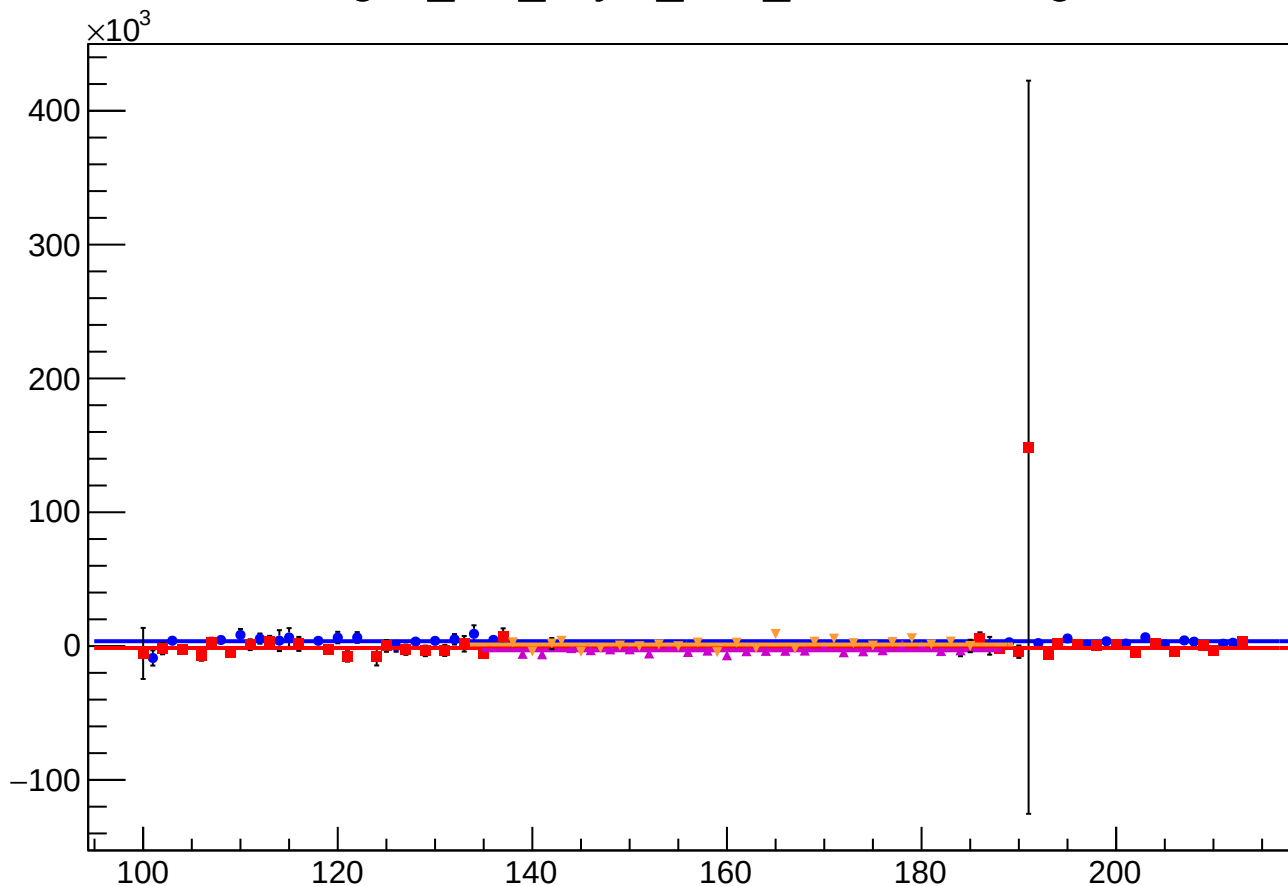
- sign 1107.012 $\pm$ 1539.977 χ^2 /NDF: 51.5/56

asym_atr2_cor_correction_rms vs Slug



Right In: 9865.228 $\pm$ 1.762	χ^2 /NDF: 3322771.4/28	+ sign 9202.144 $\pm$ 1.115	χ^2 /NDF: 4781078.4/53
Left Out: 8759.625 $\pm$ 1.440	χ^2 /NDF: 1222248.8/24	All: 9036.900 $\pm$ 0.779	χ^2 /NDF: 11987292.1/100
Right Out: 9015.771 $\pm$ 1.610	χ^2 /NDF: 5858337.4/33	- sign 8879.269 $\pm$ 1.089	χ^2 /NDF: 7163292.0/56
Left In: 8764.132 $\pm$ 1.478	χ^2 /NDF: 1291700.3/22		

eigen_cor_asym_atr2_mean vs Slug



Right In: 3636.955 ± 637.886 $\chi^2/\text{NDF}: 13.5/28$

Left Out: 1188.666 ± 556.242 $\chi^2/\text{NDF}: 31.1/24$

Right Out: -1409.702 ± 616.694 $\chi^2/\text{NDF}: 31.6/33$

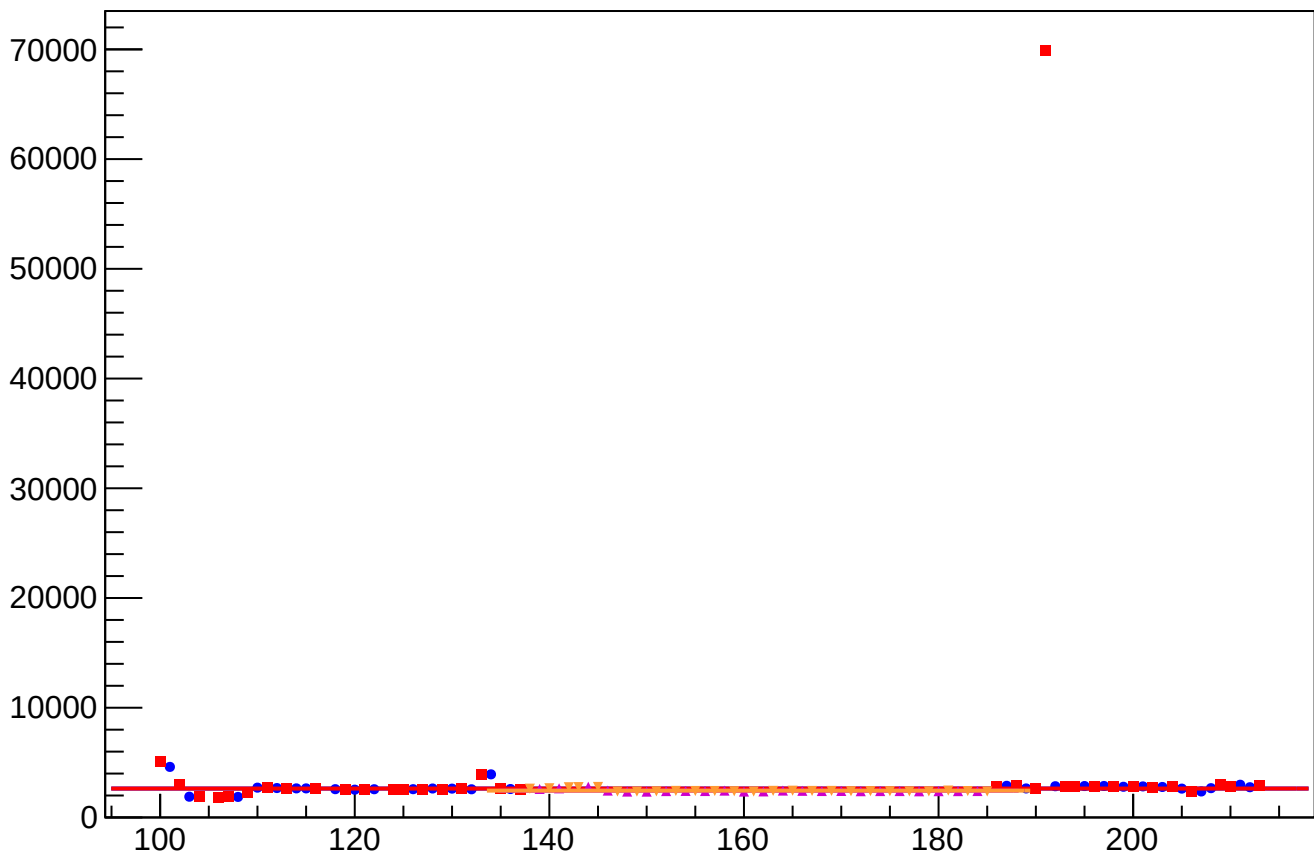
Left In: -3147.222 ± 569.221 $\chi^2/\text{NDF}: 12.7/22$

+ sign 2246.196 ± 419.236 $\chi^2/\text{NDF}: 53.0/53$

All: -56.109 ± 296.105 $\chi^2/\text{NDF}: 161.7/110$

- sign -2347.905 ± 418.278 $\chi^2/\text{NDF}: 48.5/56$

eigen_cor_asym_atr2_rms vs Slug



Right In: 2634.895 $\pm$ 0.451 χ^2 /NDF: 747917.4/28

Left Out: 2445.826 $\pm$ 0.393 χ^2 /NDF: 90014.8/24

Right Out: 2633.614 $\pm$ 0.436 χ^2 /NDF: 803074.0/33

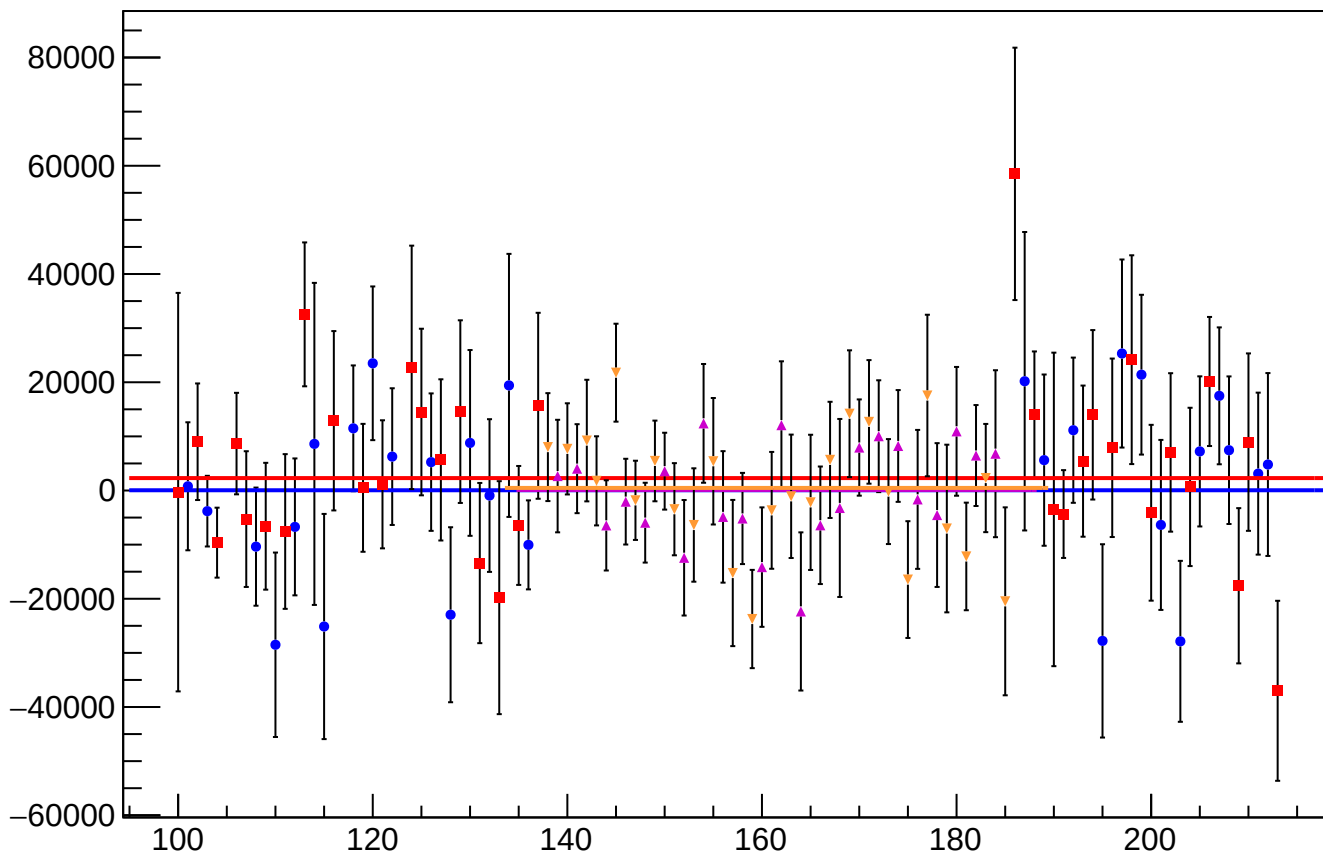
Left In: 2435.950 $\pm$ 0.403 χ^2 /NDF: 59189.9/22

+ sign 2527.493 $\pm$ 0.296 χ^2 /NDF: 937742.2/53

All: 2527.187 $\pm$ 0.209 χ^2 /NDF: 1910954.6/11

- sign 2526.882 $\pm$ 0.296 χ^2 /NDF: 973210.3/56

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 46.356 $\pm$ 2492.238 χ^2 /NDF: 28.7/28

Left Out: 477.198 $\pm$ 2035.967 χ^2 /NDF: 27.4/24

Right Out: 2294.940 $\pm$ 2276.652 χ^2 /NDF: 36.5/33

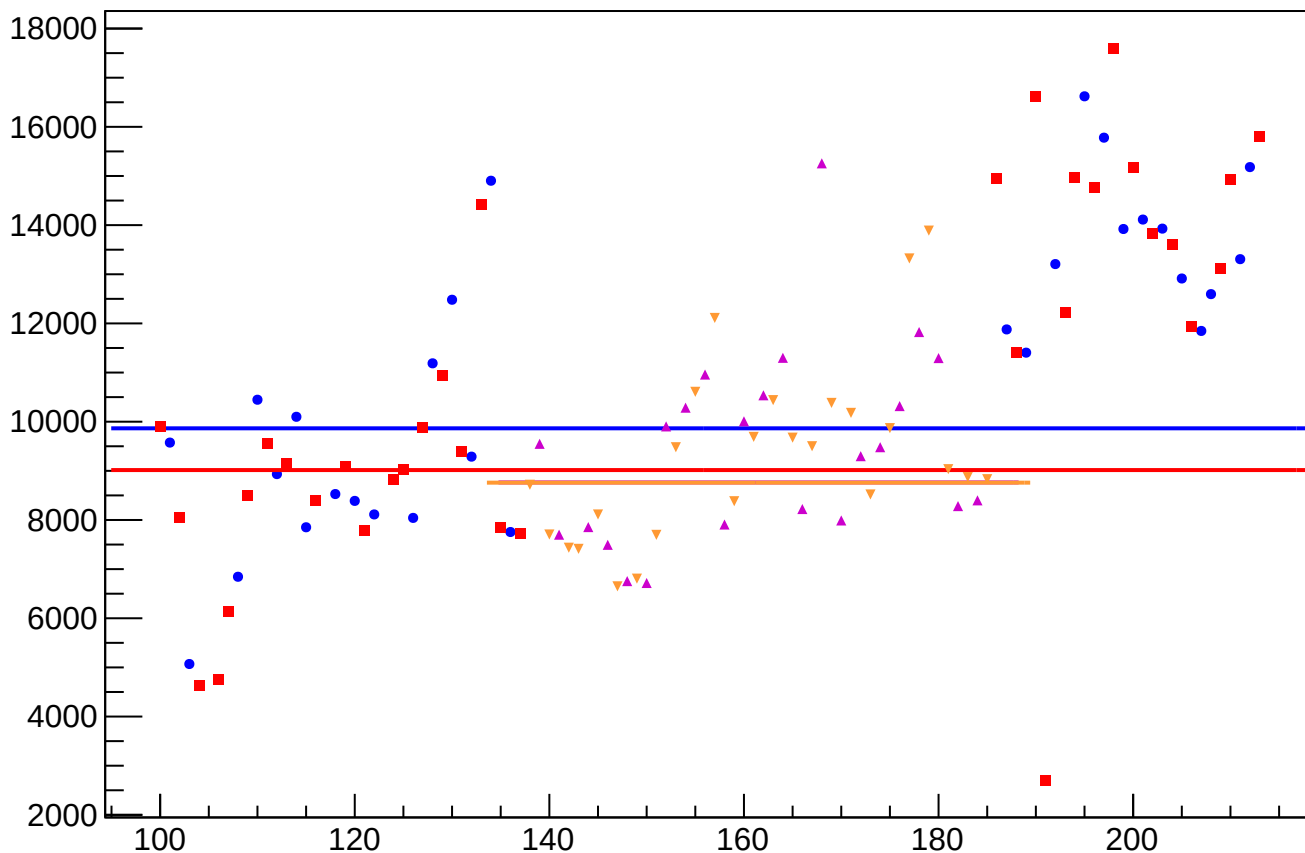
Left In: 105.025 $\pm$ 2090.897 χ^2 /NDF: 14.5/22

+ sign 304.753 $\pm$ 1576.724 χ^2 /NDF: 56.1/53

All: 715.340 $\pm$ 1101.690 χ^2 /NDF: 107.7/110

- sign 1107.012 $\pm$ 1539.977 χ^2 /NDF: 51.5/56

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9865.228 $\pm$ 1.762 χ^2 /NDF: 3322771.4/28

Left Out: 8759.625 $\pm$ 1.440 χ^2 /NDF:1222248.8/24

Right Out: 9015.771 $\pm$ 1.610 χ^2 /NDF: 5858337.4/33

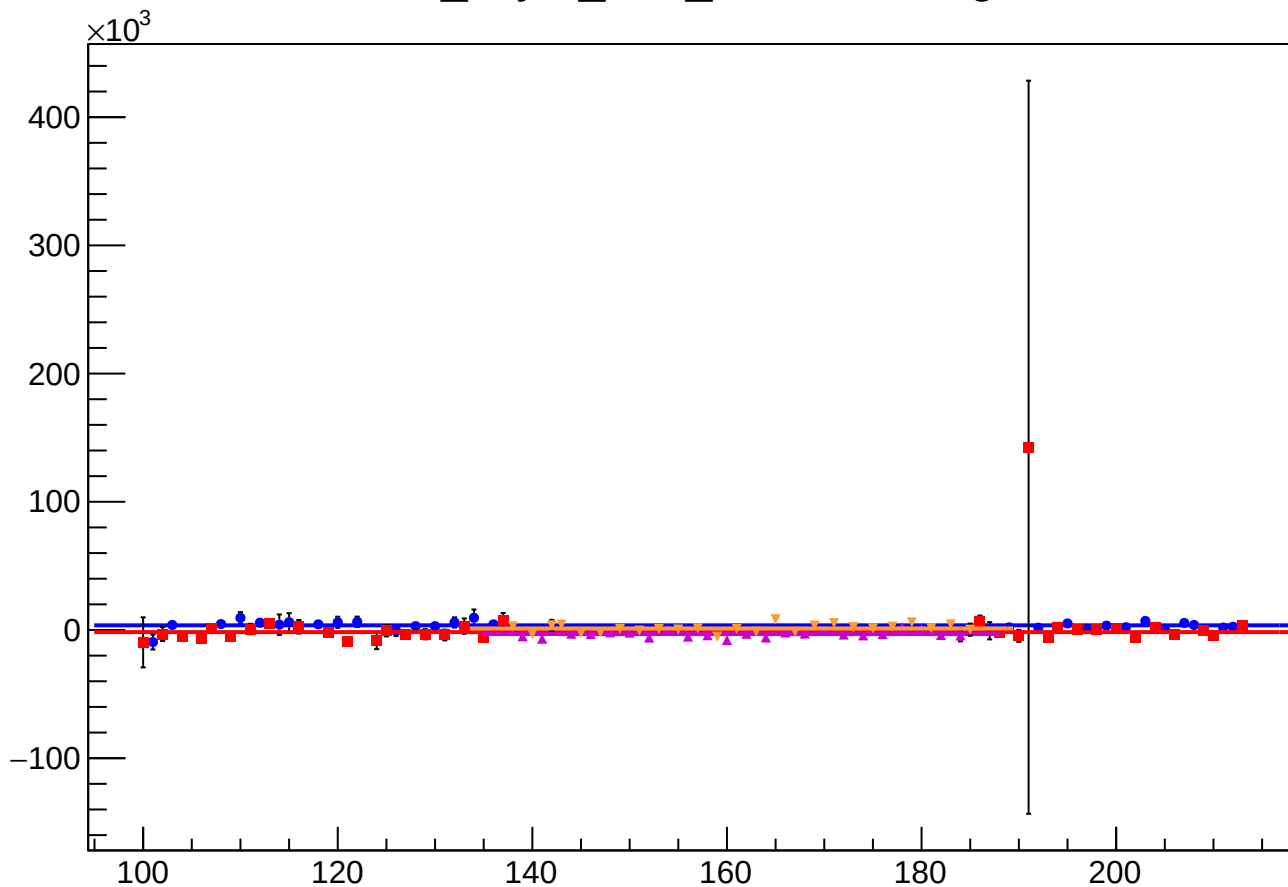
Left In: 8764.132 $\pm$ 1.478 χ^2 /NDF:1291700.3/22

+ sign 9202.144 $\pm$ 1.115 χ^2 /NDF: 4781078.4/53

All: 9036.900 $\pm$ 0.779 χ^2 /NDF: 11987292.1/100

- sign 8879.269 $\pm$ 1.089 χ^2 /NDF: 7163292.0/56

dit_asym_atr2_mean vs Slug



Right In: 3635.384+/-655.903 χ^2/NDF : 15.8/28

Left Out: 1213.875+/-579.693 χ^2/NDF : 26.8/24

Right Out: -1648.285+/-635.926 χ^2/NDF : 35.8/33

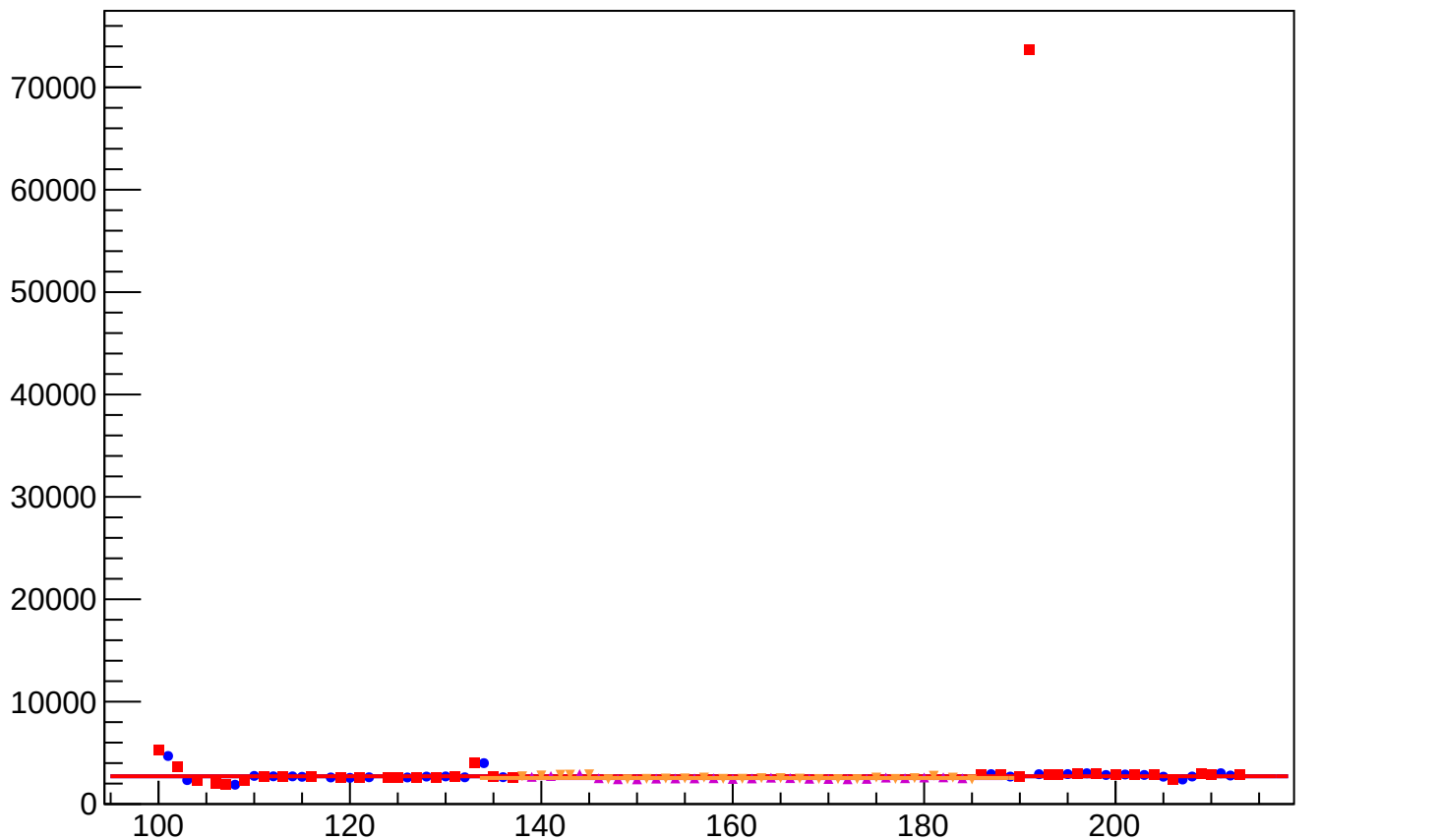
Left In: -3150.265+/-592.116 χ^2/NDF : 16.5/22

+ sign 2275.840+/-434.362 χ^2/NDF : 50.3/53

All: -93.987+/-306.782 χ^2/NDF : 164.9/110

- sign -2452.789+/-433.350 χ^2/NDF : 55.2/56

dit_asym_atr2_rms vs Slug



Right In: 2714.610+/-0.464 χ^2/NDF : 601063.9/28

Left Out: 2547.154+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2715.248+/-0.450 χ^2/NDF : 696909.9/33

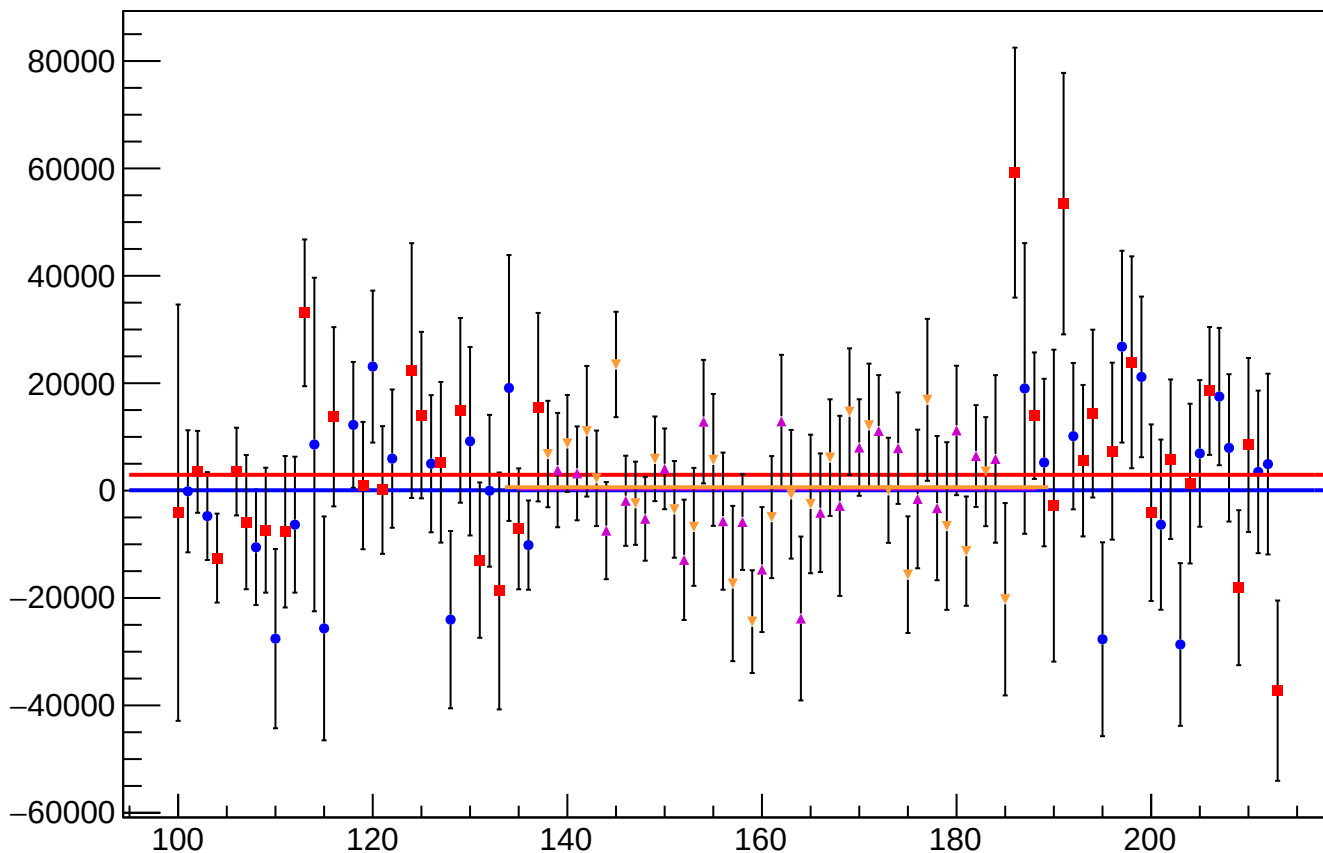
Left In: 2532.772+/-0.419 χ^2/NDF : 68441.1/22

+ sign 2620.593+/-0.307 χ^2/NDF : 791553.6/53

All: 2619.059+/-0.217 χ^2/NDF : 1645183.5/11

- sign 2617.532+/-0.306 χ^2/NDF : 853580.1/56

asym_atr2_dit_correction_mean vs Slug



Right In: 63.686 $\pm$ 2569.056 χ^2 /NDF: 28.6/28

Left Out: 631.360 $\pm$ 2123.101 χ^2 /NDF: 26.7/24

Right Out: 2941.185 $\pm$ 2354.218 χ^2 /NDF: 38.7/33

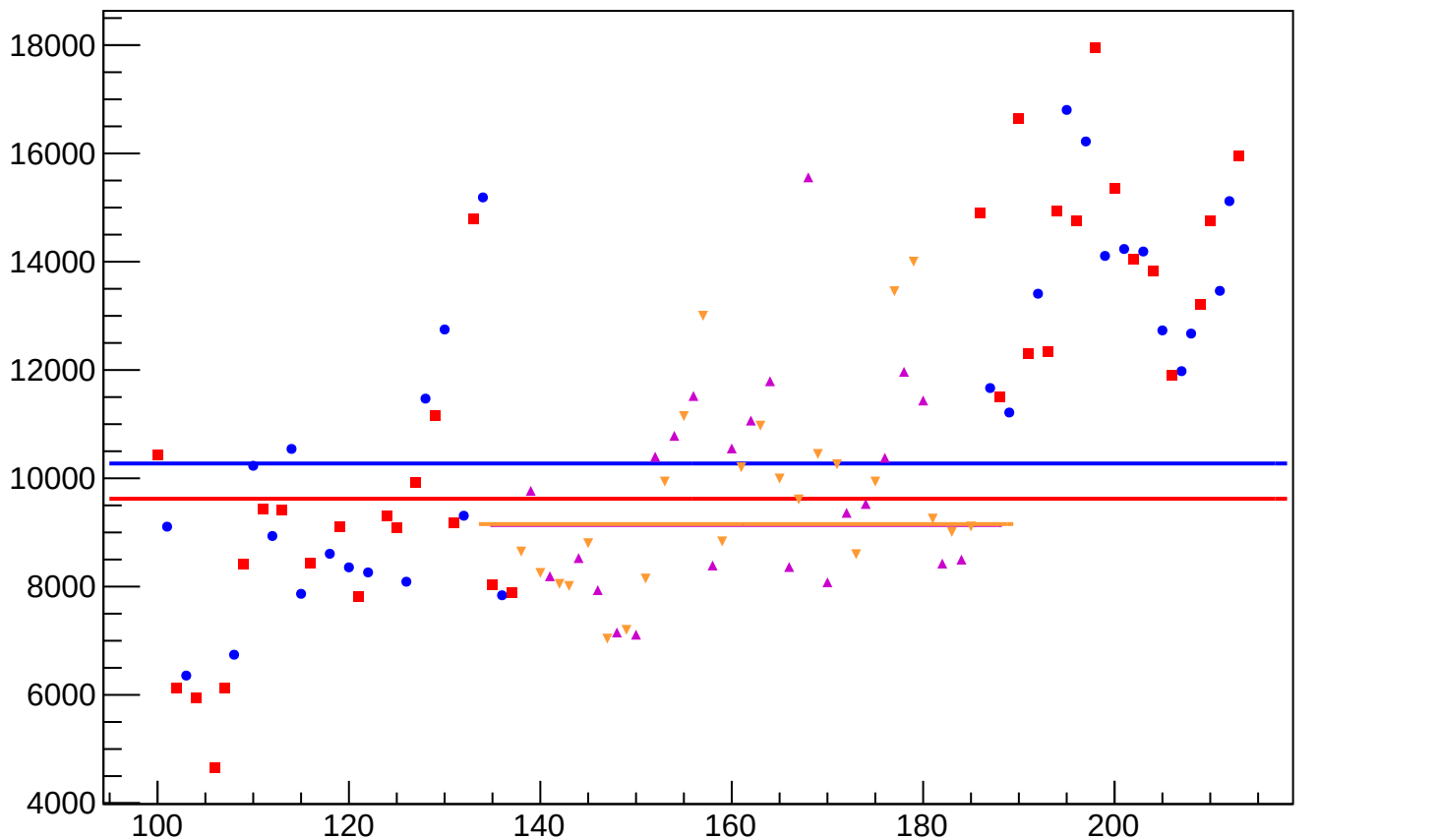
Left In: 377.922 $\pm$ 2176.347 χ^2 /NDF: 14.2/22

+ sign 400.993 $\pm$ 1636.568 χ^2 /NDF: 55.3/53

All: 993.805 $\pm$ 1143.384 χ^2 /NDF: 109.1/110

- sign 1559.074 $\pm$ 1598.096 χ^2 /NDF: 53.6/56

asym_atr2_dit_correction_rms vs Slug



Right In: 10273.590+/-1.817 χ^2/NDF : 2646656.4/28

Left Out: 9154.688+/-1.501 χ^2/NDF :1072073.9/24

Right Out: 9622.165+/-1.665 χ^2/NDF : 4400588.7/33

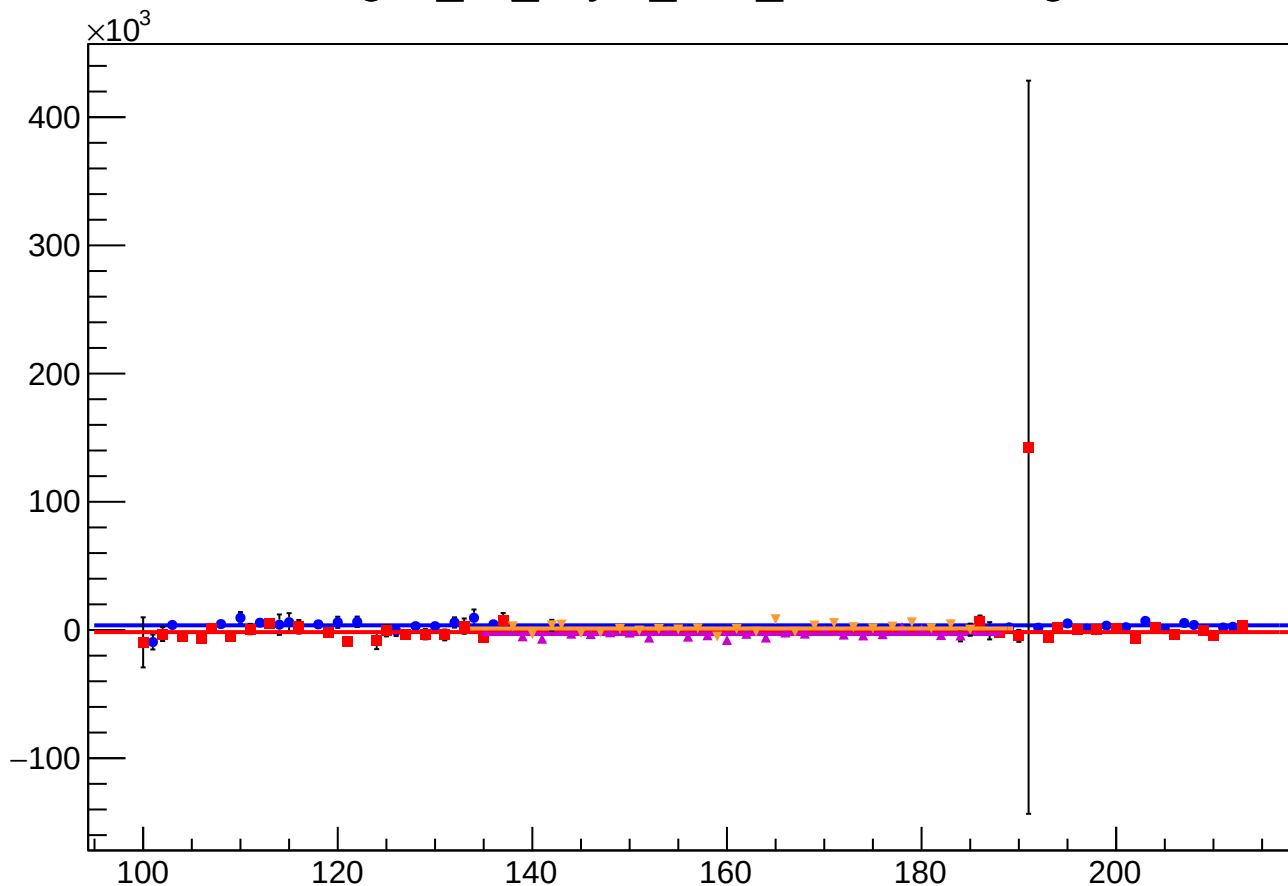
Left In: 9137.576+/-1.539 χ^2/NDF :1172792.2/22

+ sign 9608.748+/-1.157 χ^2/NDF : 3944150.8/53

All: 9481.864+/-0.808 χ^2/NDF : 9586708.4/11

- sign 9360.875+/-1.130 χ^2/NDF : 5619072.1/56

eigen_dit_asym_atr2_mean vs Slug



Right In: 3635.380 ± 655.903 χ^2/NDF : 15.8/28

Left Out: 1213.864 ± 579.693 χ^2/NDF : 26.8/24

Right Out: -1648.287 ± 635.926 χ^2/NDF : 35.8/33

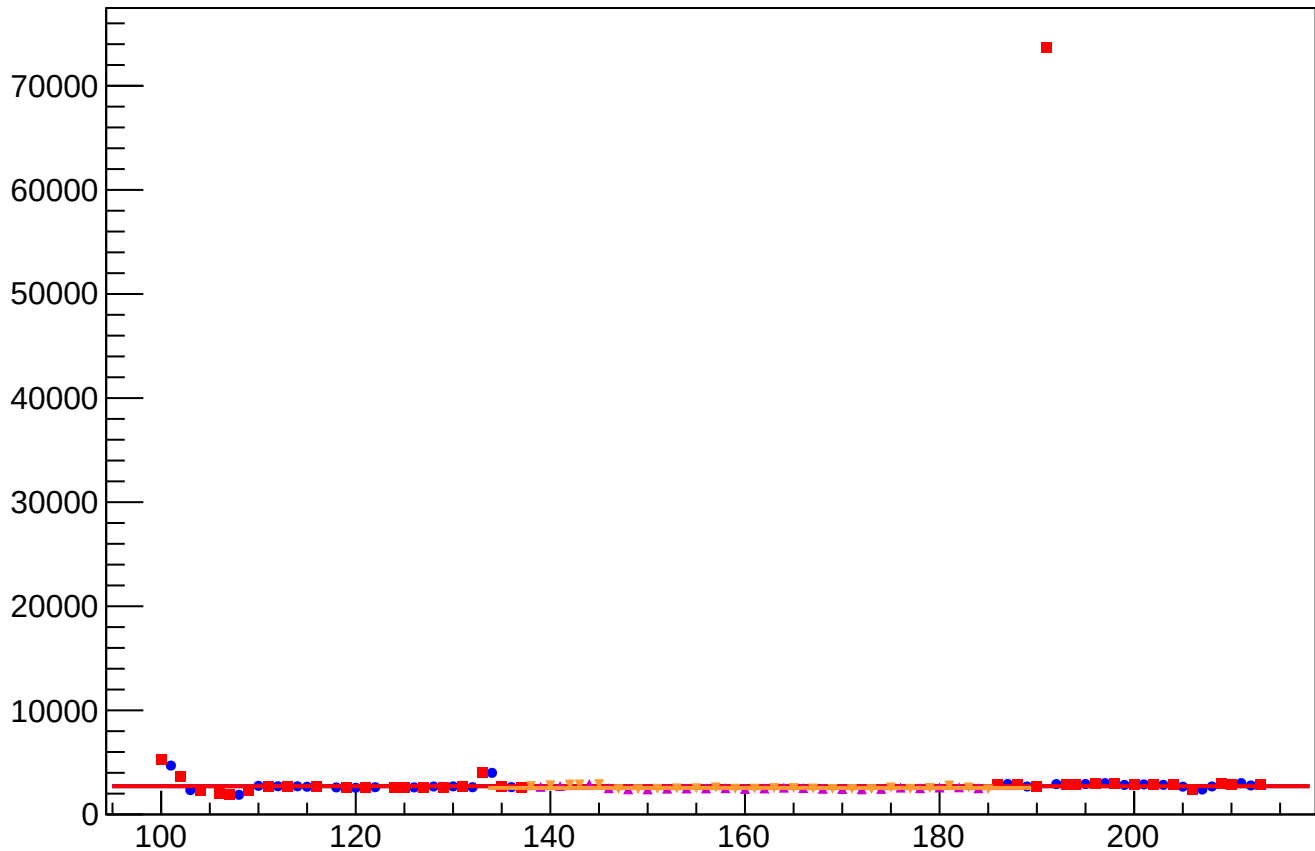
Left In: -3150.264 ± 592.117 χ^2/NDF : 16.5/22

+ sign 2275.833 ± 434.362 χ^2/NDF : 50.3/53

All: -93.990 ± 306.782 χ^2/NDF : 164.9/110

- sign -2452.789 ± 433.350 χ^2/NDF : 55.2/56

eigen_dit_asym_atr2_rms vs Slug



Right In: 2714.610+/-0.464 χ^2/NDF : 601064.8/28

Left Out: 2547.156+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2715.248+/-0.450 χ^2/NDF : 696909.8/33

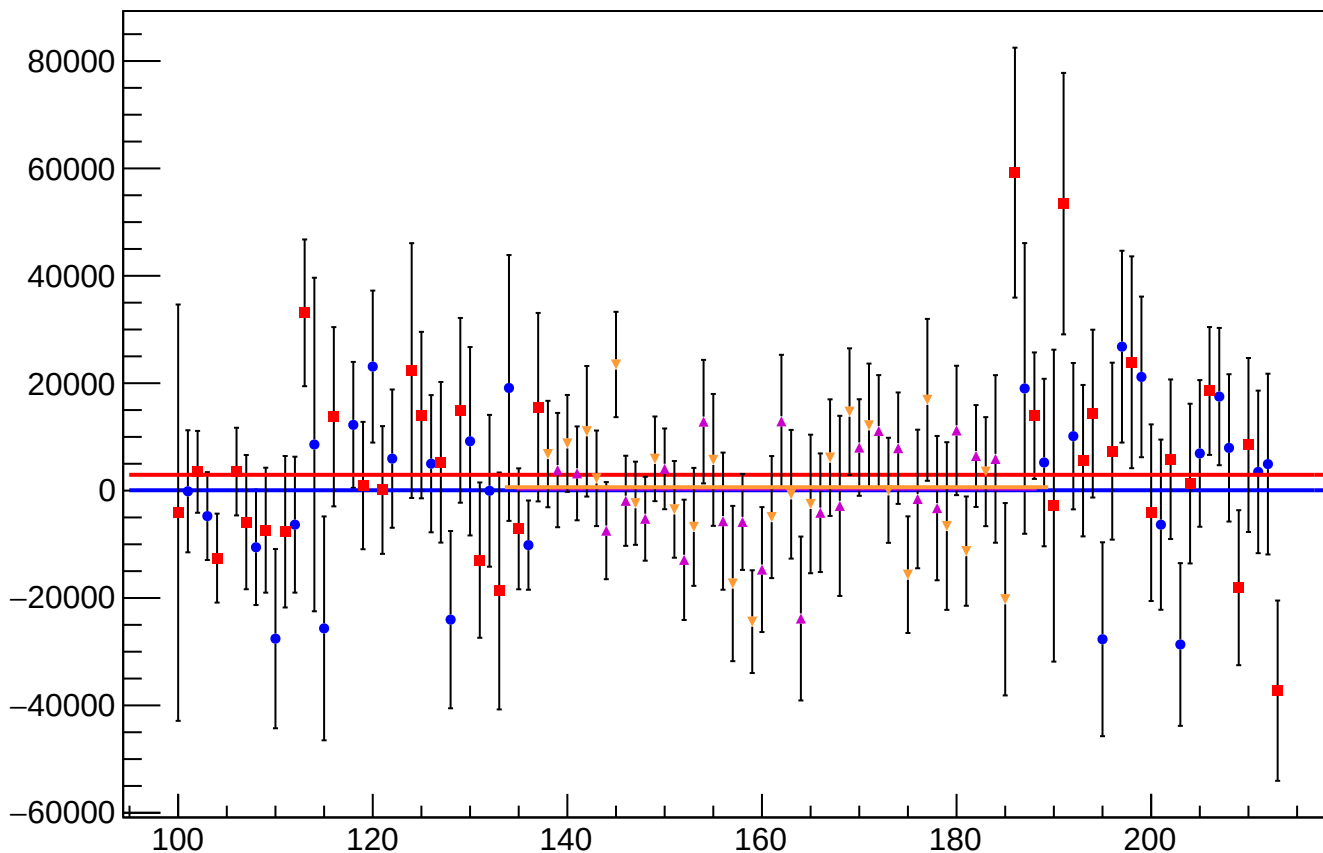
Left In: 2532.774+/-0.419 χ^2/NDF : 68440.8/22

+ sign 2620.594+/-0.307 χ^2/NDF : 791552.6/53

All: 2619.059+/-0.217 χ^2/NDF : 1645180.3/11

- sign 2617.533+/-0.306 χ^2/NDF : 853577.9/56

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 63.700 $\pm$ 2569.055 χ^2 /NDF: 28.6/28

Left Out: 631.356 $\pm$ 2123.104 χ^2 /NDF:26.7/24

Right Out: 2941.177 $\pm$ 2354.217 χ^2 /NDF: 38.7/33

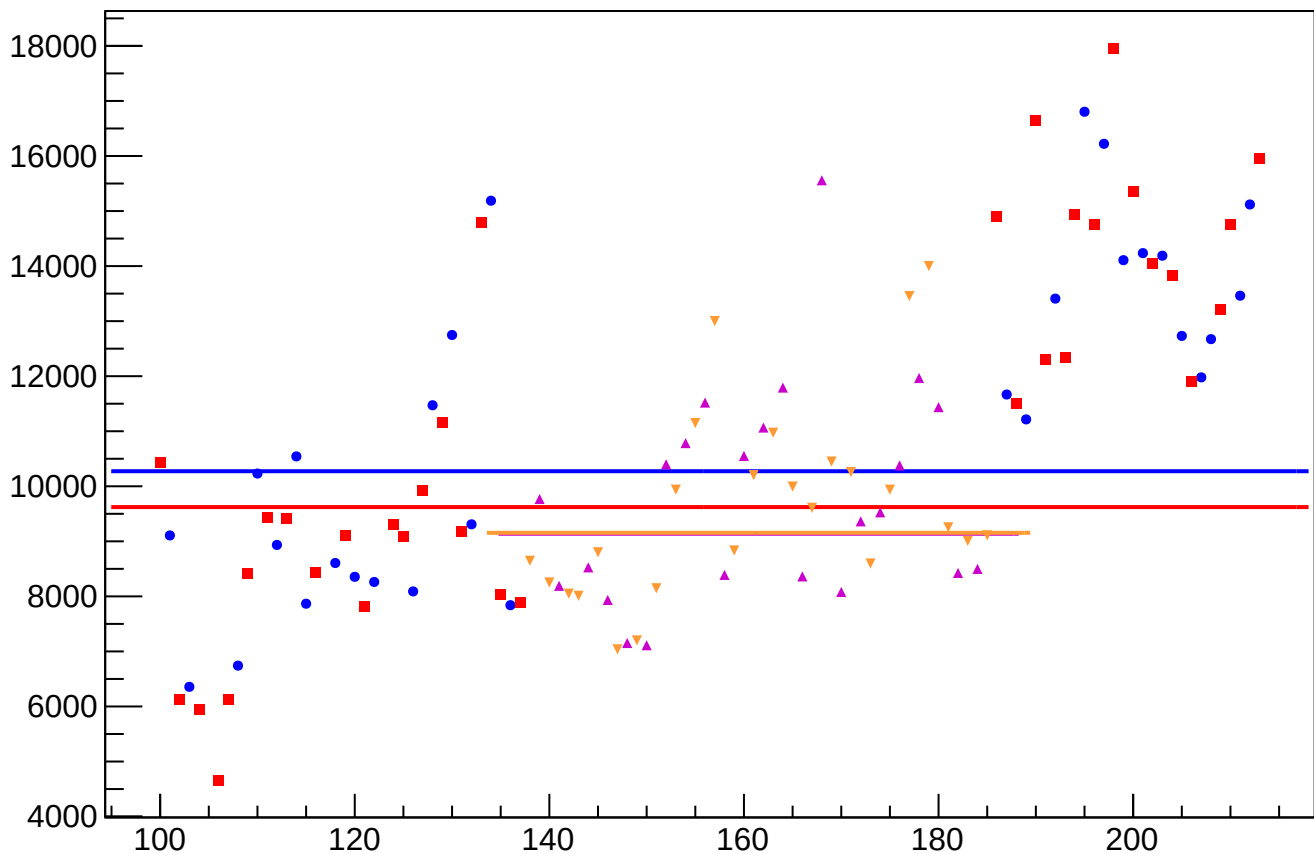
Left In: 377.927 $\pm$ 2176.350 χ^2 /NDF:14.2/22

+ sign 400.996 $\pm$ 1636.569 χ^2 /NDF: 55.3/53

All: 993.807 $\pm$ 1143.385 χ^2 /NDF: 109.1/110

- sign 1559.076 $\pm$ 1598.097 χ^2 /NDF: 53.6/56

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10273.584 $\pm$ 1.817 χ^2 /NDF: 2646672.4/28

Left Out: 9154.703 $\pm$ 1.501 χ^2 /NDF:1072075.9/24

Right Out: 9622.155 $\pm$ 1.665 χ^2 /NDF: 4400610.4/33

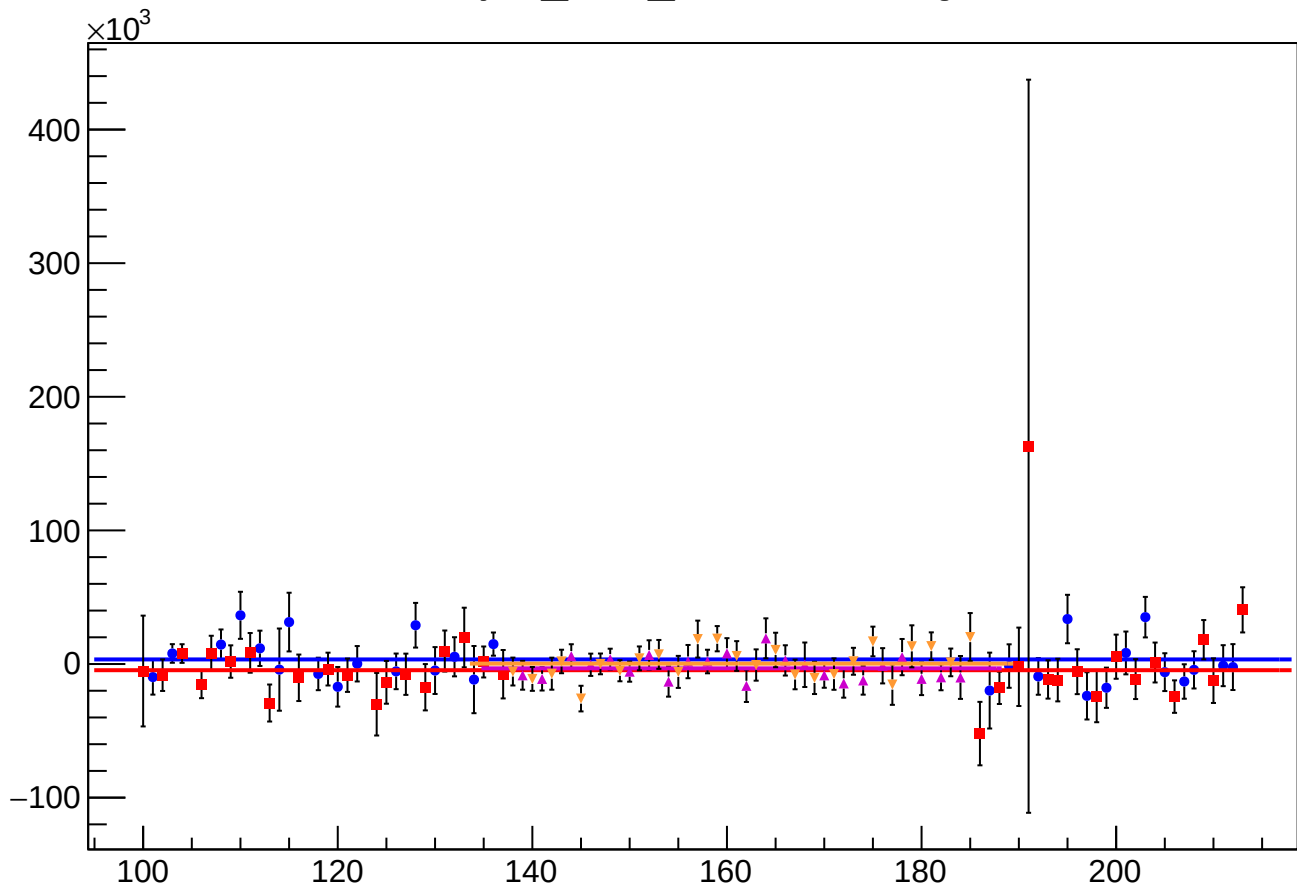
Left In: 9137.590 $\pm$ 1.539 χ^2 /NDF:1172796.0/22

+ sign 9608.755 $\pm$ 1.157 χ^2 /NDF: 3944160.4/53

All: 9481.869 $\pm$ 0.808 χ^2 /NDF: 9586739.8/11

- sign 9360.878 $\pm$ 1.130 χ^2 /NDF: 5619093.1/56

asym_atr2_mean vs Slug



Right In: 3436.197 $\pm$ 2596.785 χ^2 /NDF: 31.7/28

Left Out: 295.038 $\pm$ 2125.383 χ^2 /NDF: 26.3/24

Right Out: -4620.076 $\pm$ 2484.132 χ^2 /NDF: 34.2/33

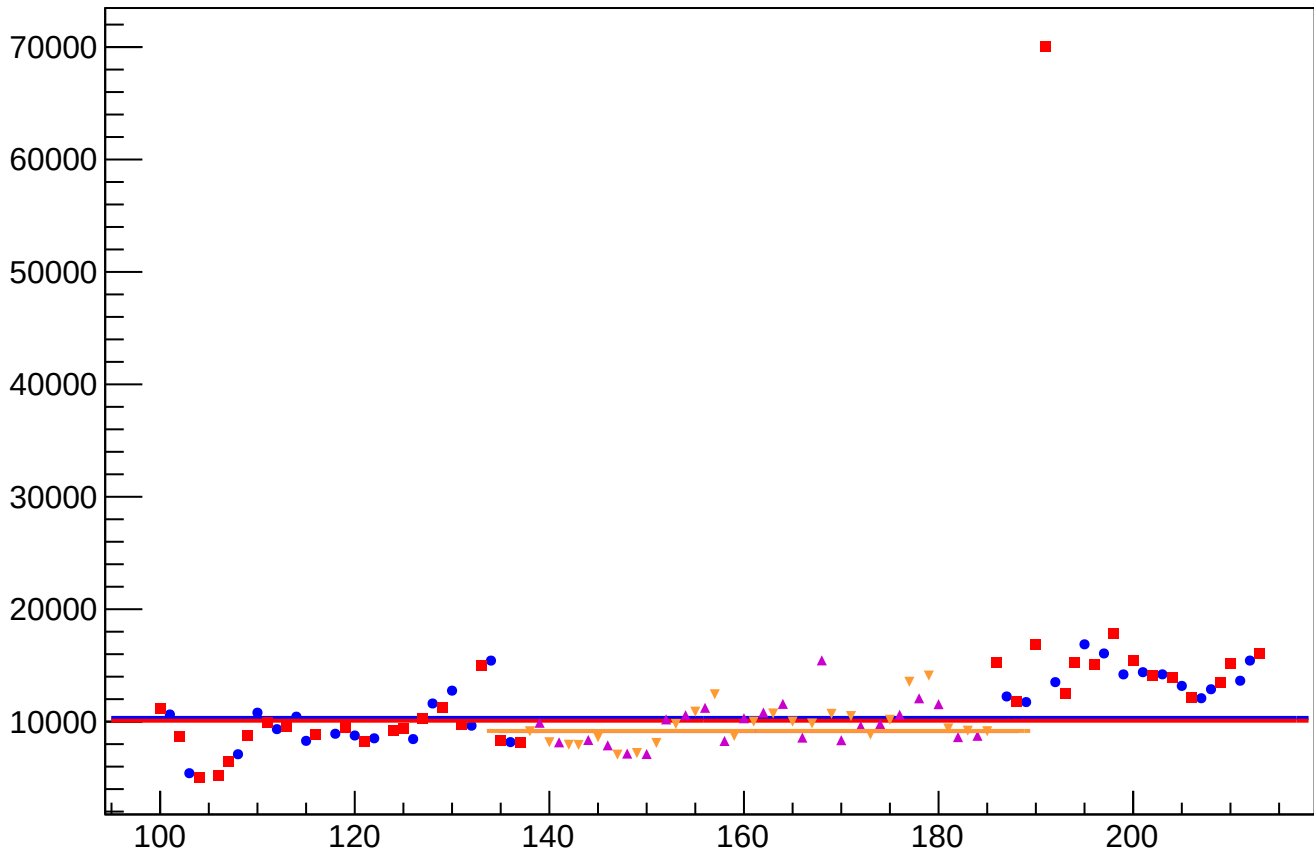
Left In: -3233.667 $\pm$ 2179.845 χ^2 /NDF: 13.6/22

+ sign 1555.138 $\pm$ 1644.726 χ^2 /NDF: 58.9/53

All: -1151.118 $\pm$ 1160.776 χ^2 /NDF: 112.3/11

- sign -3836.802 $\pm$ 1638.463 χ^2 /NDF: 48.0/56

asym_atr2_rms vs Slug



Right In: 10331.409+/-1.836 χ^2/NDF : 3024817.7/28

Left Out: 9172.826+/-1.503 χ^2/NDF : 1056946.9/24

+ sign 9637.600+/-1.163 χ^2/NDF : 4320174.8/53

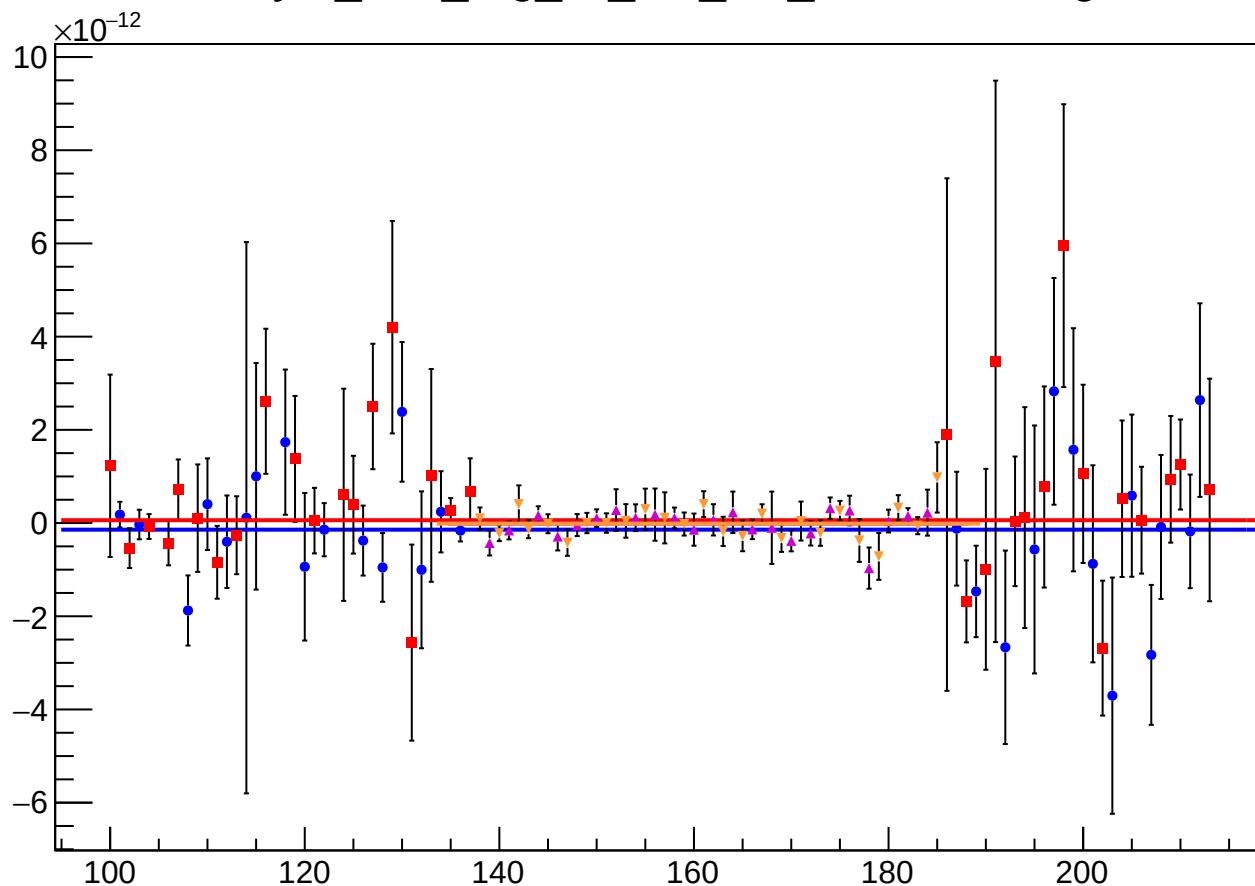
Right Out: 10085.102+/-1.757 χ^2/NDF : 4160601.1/33

All: 9600.532+/-0.821 χ^2/NDF : 9766271.4/11

- sign 9563.746+/-1.159 χ^2/NDF : 5444072.6/56

Left In: 9162.276+/-1.541 χ^2/NDF : 1127533.4/22

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.3/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.1/33

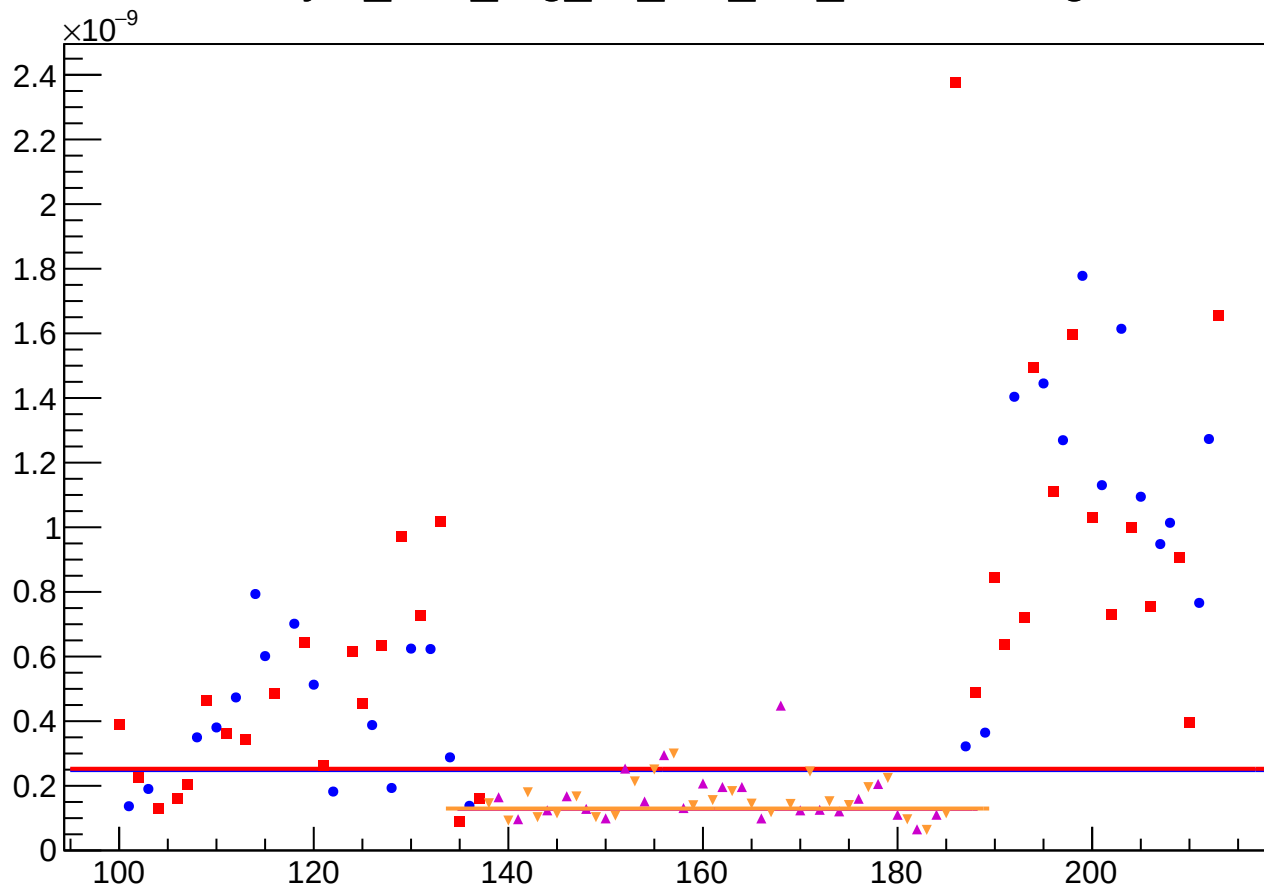
Left In: -0.000 ± 0.000 χ^2/NDF : 19.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 46.5/53

All: -0.000 ± 0.000 χ^2/NDF : 100.2/110

- sign -0.000 ± 0.000 χ^2/NDF : 53.5/56

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6919849.5/28

Left Out: 0.000+/-0.000 χ^2/NDF :1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7057724.6/33

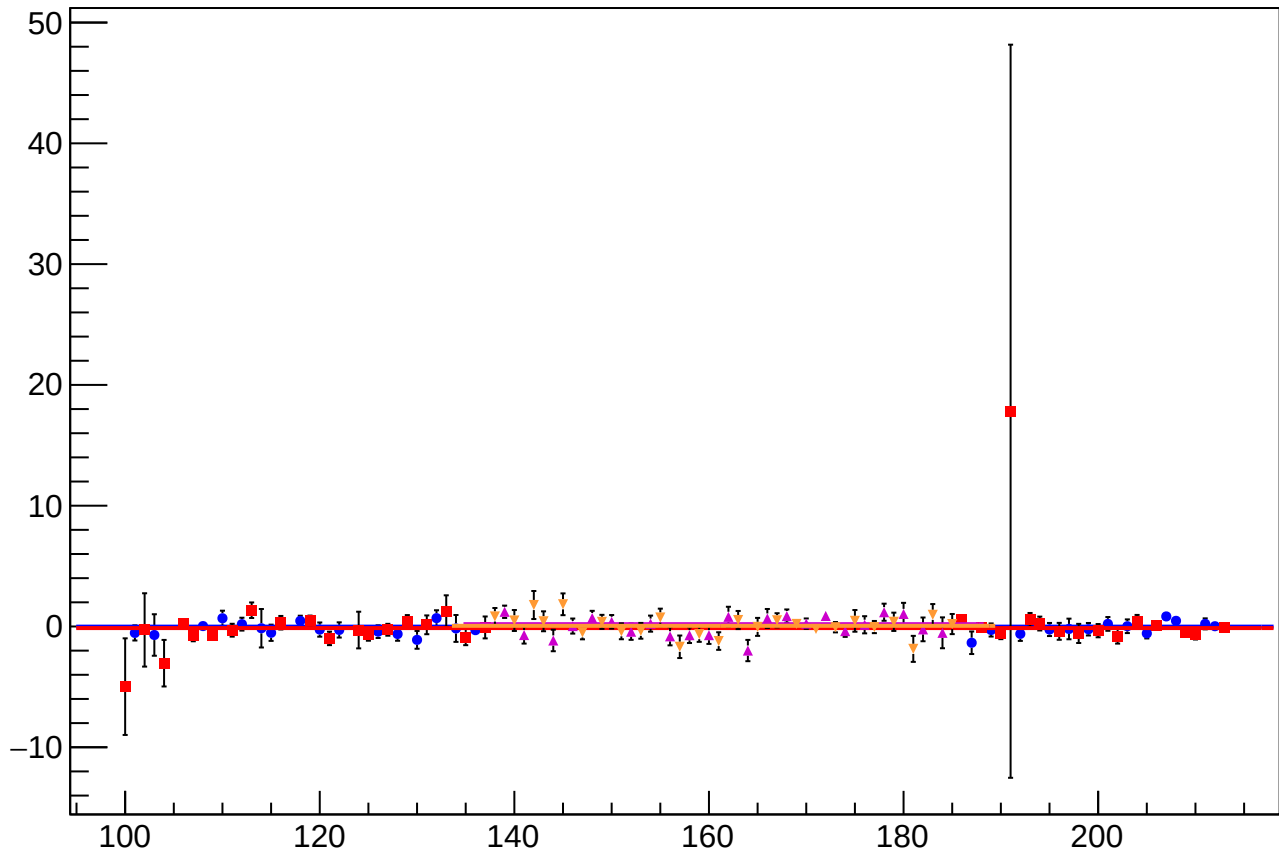
Left In: 0.000+/-0.000 χ^2/NDF :1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 9771751.9/53

All: 0.000+/-0.000 χ^2/NDF : 19874226.8/110

- sign 0.000+/-0.000 χ^2/NDF : 10102452.2/56

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.013 ± 0.098 χ^2/NDF : 24.3/28

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.086 χ^2/NDF : 36.8/33

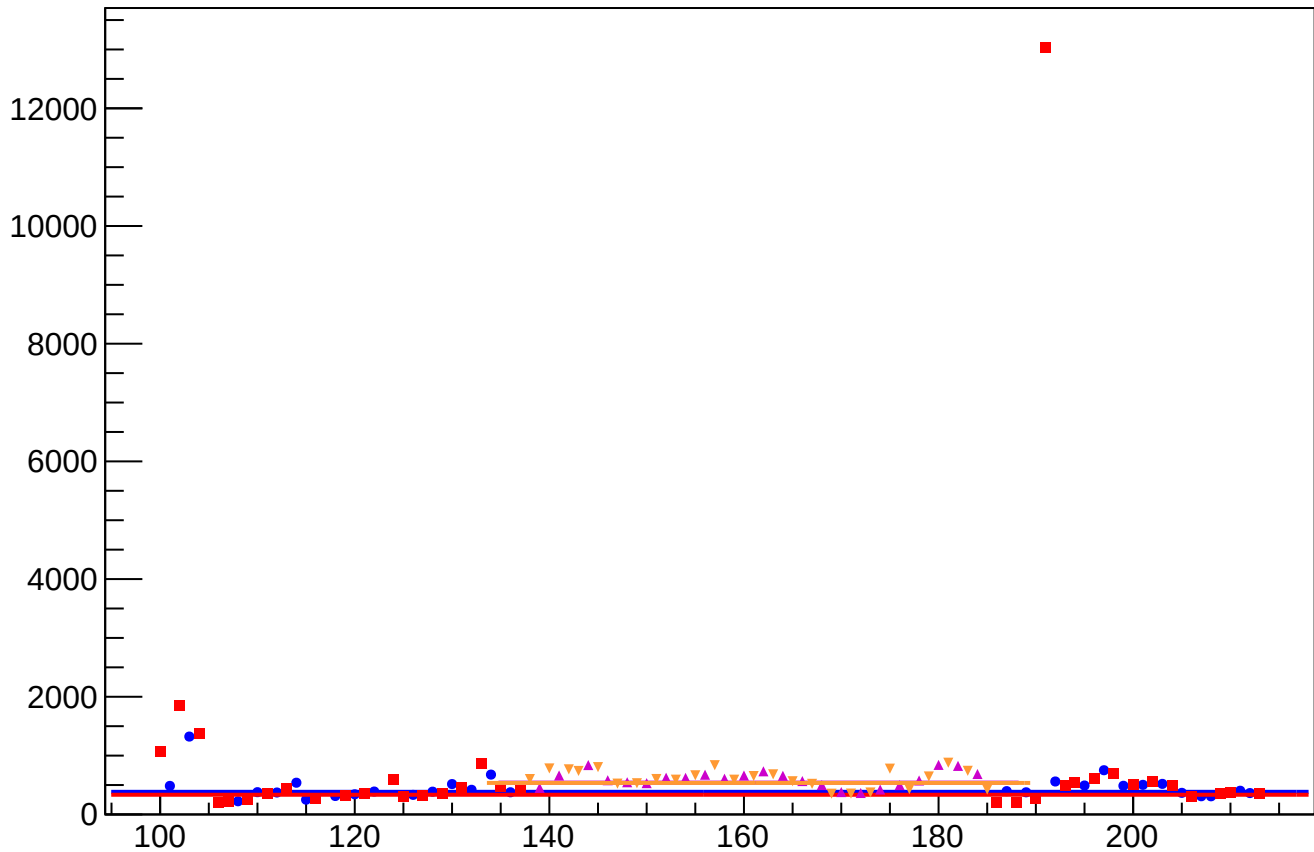
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.012 ± 0.078 χ^2/NDF : 49.2/53

All: -0.014 ± 0.053 χ^2/NDF : 121.5/110

- sign -0.037 ± 0.072 χ^2/NDF : 72.1/56

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 384.613+/-0.069 χ^2/NDF : 2546816.7/28

Left Out: 535.943+/-0.092 χ^2/NDF : 2749736.4/24

Right Out: 334.878+/-0.061 χ^2/NDF : 5508416.1/33

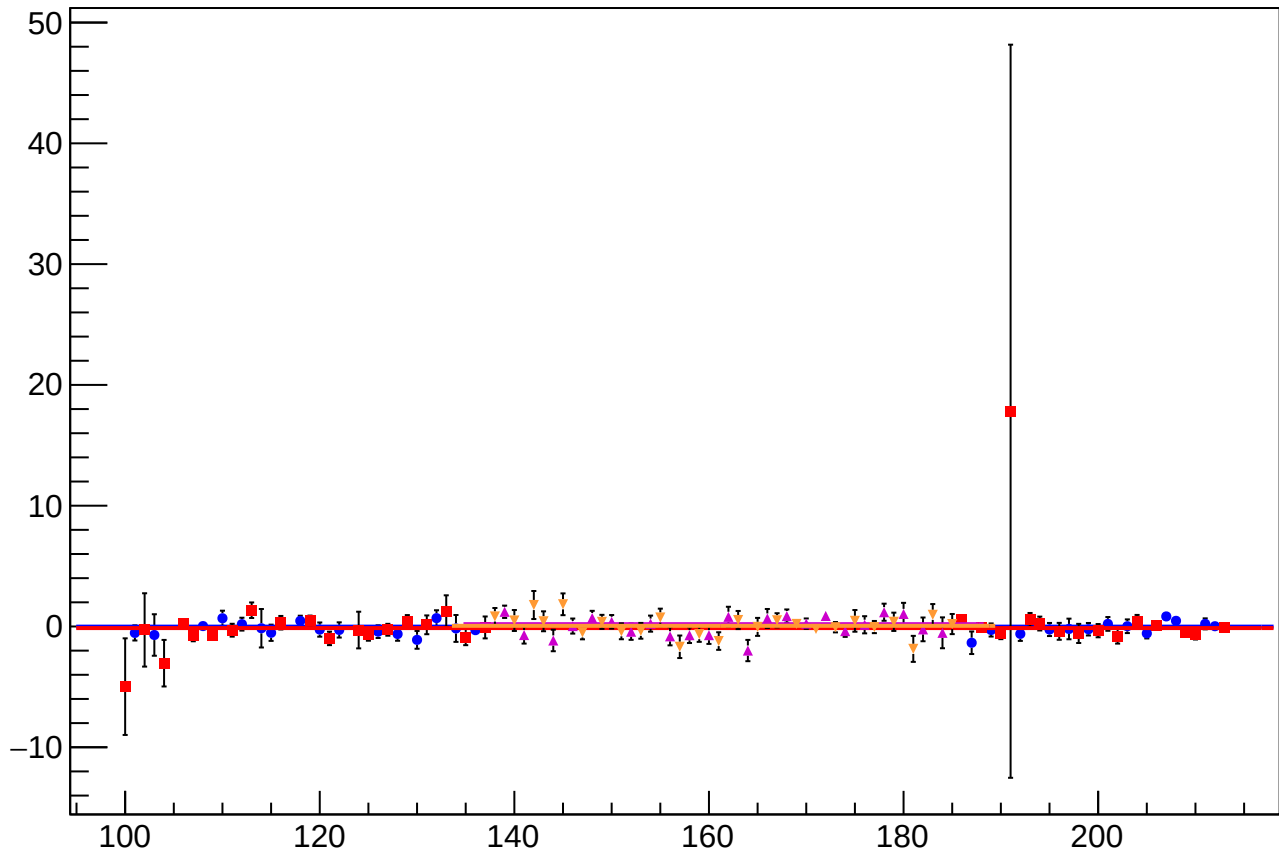
Left In: 540.804+/-0.094 χ^2/NDF : 1904998.0/22

+ sign 439.791+/-0.055 χ^2/NDF : 7031843.7/53

All: 416.177+/-0.038 χ^2/NDF : 18151361.7/11

- sign 395.896+/-0.051 χ^2/NDF : 10780495.7/56

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013 ± 0.098 χ^2/NDF : 24.3/28

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.086 χ^2/NDF : 36.8/33

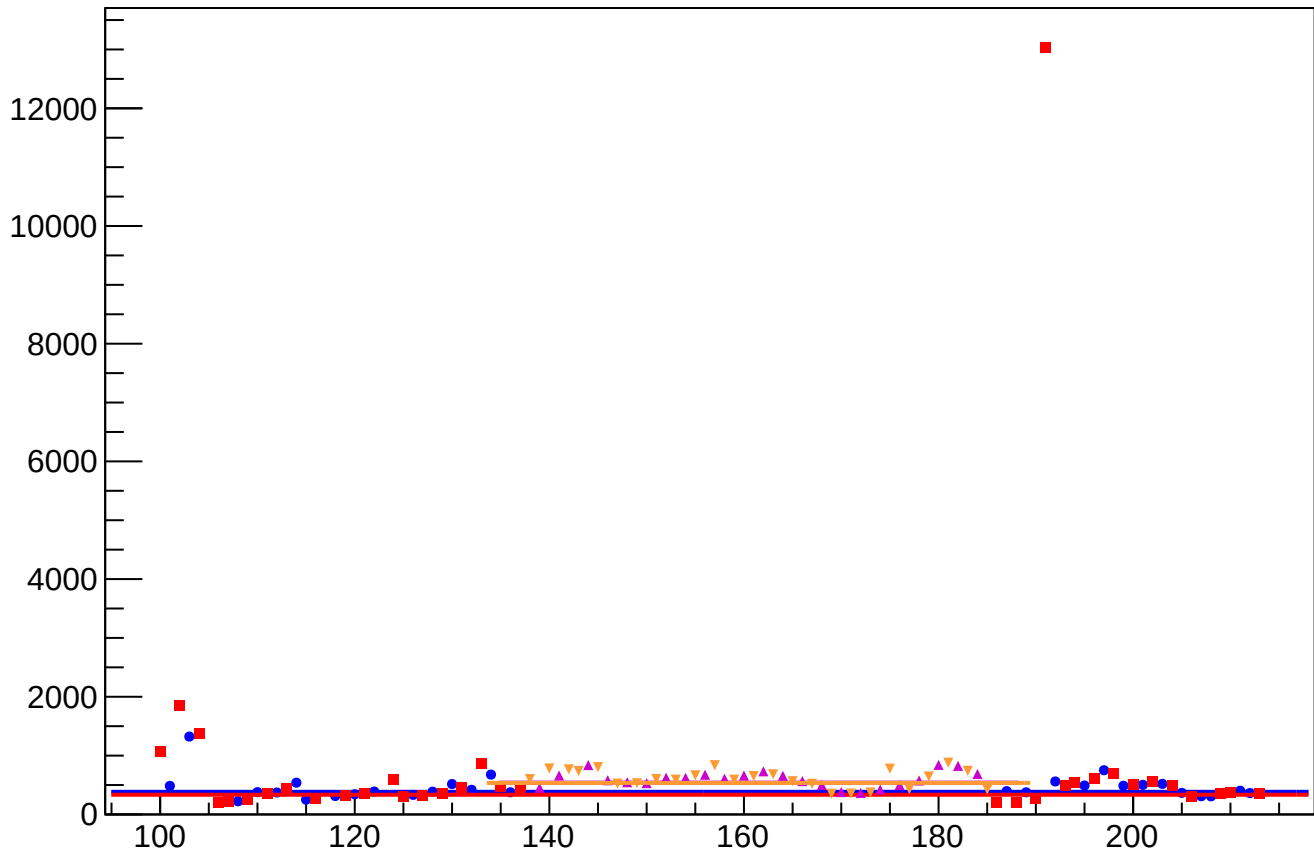
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.012 ± 0.078 χ^2/NDF : 49.2/53

All: -0.014 ± 0.053 χ^2/NDF : 121.5/110

- sign -0.037 ± 0.072 χ^2/NDF : 72.1/56

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.613 $\pm$ 0.069 χ^2 /NDF: 2546816.7/28

Left Out: 535.943 $\pm$ 0.092 χ^2 /NDF: 2749736.4/24

Right Out: 334.878 $\pm$ 0.061 χ^2 /NDF: 5508416.1/33

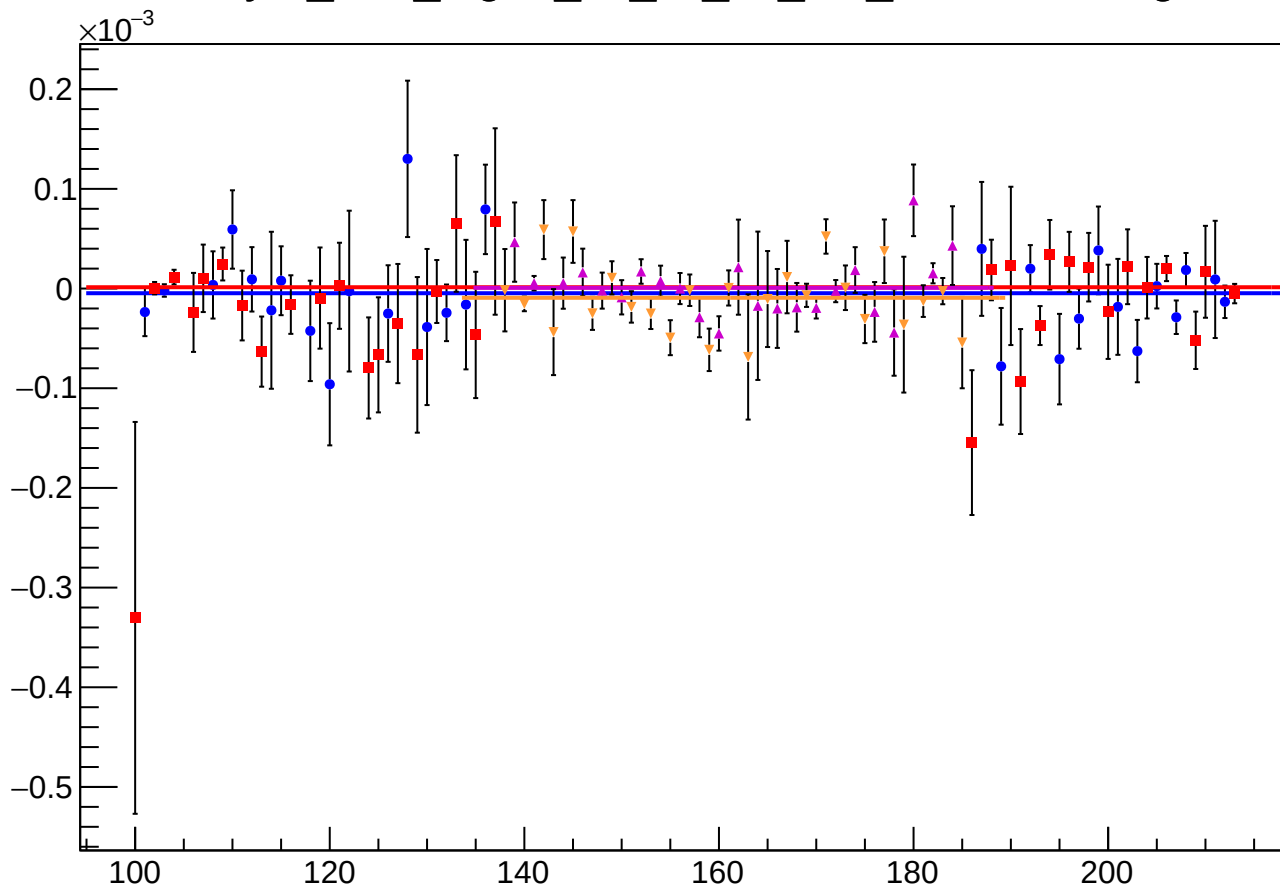
Left In: 540.804 $\pm$ 0.094 χ^2 /NDF: 1904998.0/22

+ sign 439.791 $\pm$ 0.055 χ^2 /NDF: 7031843.7/53

All: 416.177 $\pm$ 0.038 χ^2 /NDF: 18151361.7/11

- sign 395.896 $\pm$ 0.051 χ^2 /NDF: 10780495.7/56

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.7/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 45.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.1/33

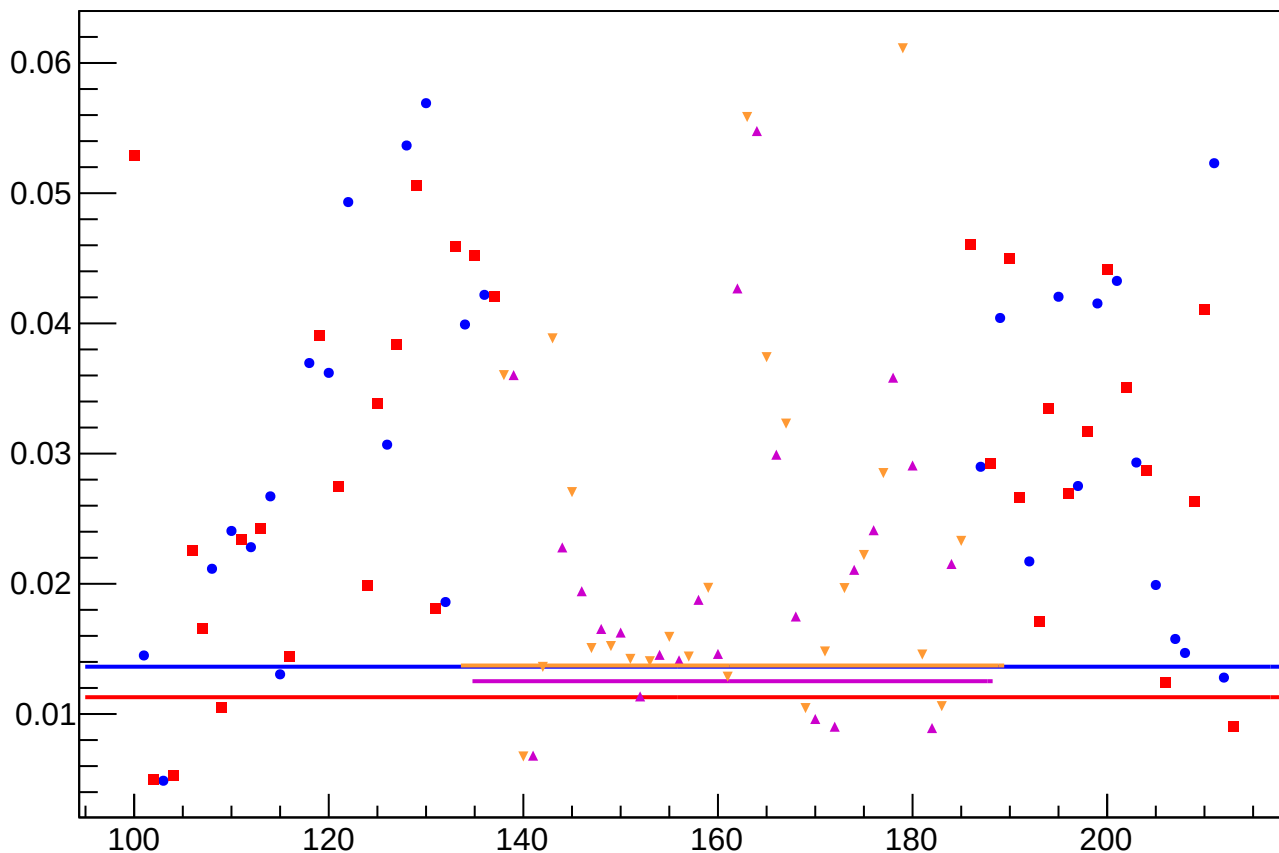
Left In: 0.000 ± 0.000 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 74.6/53

All: -0.000 ± 0.000 χ^2/NDF : 148.9/110

- sign 0.000 ± 0.000 χ^2/NDF : 69.1/56

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 13129642.4/28$

Left Out: 0.014 ± 0.000 $\chi^2/\text{NDF}: 7717157.8/24$

Right Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 15604010.2/33$

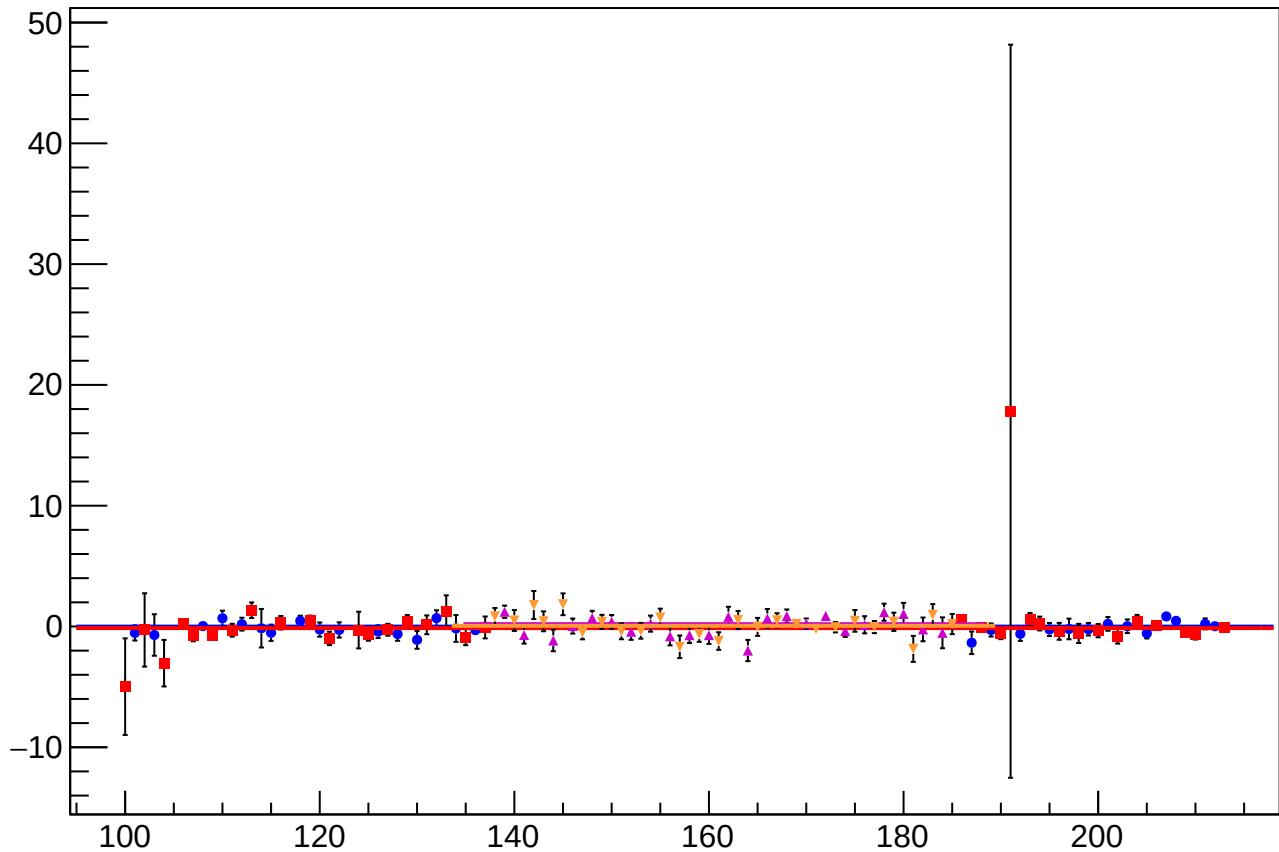
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 7121524.7/22$

+ sign 0.014 ± 0.000 $\chi^2/\text{NDF}: 20847329.2/53$

All: 0.013 ± 0.000 $\chi^2/\text{NDF}: 44165495.5/110$

- sign 0.012 ± 0.000 $\chi^2/\text{NDF}: 22852818.0/56$

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013 ± 0.098 χ^2/NDF : 24.3/28

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.086 χ^2/NDF : 36.8/33

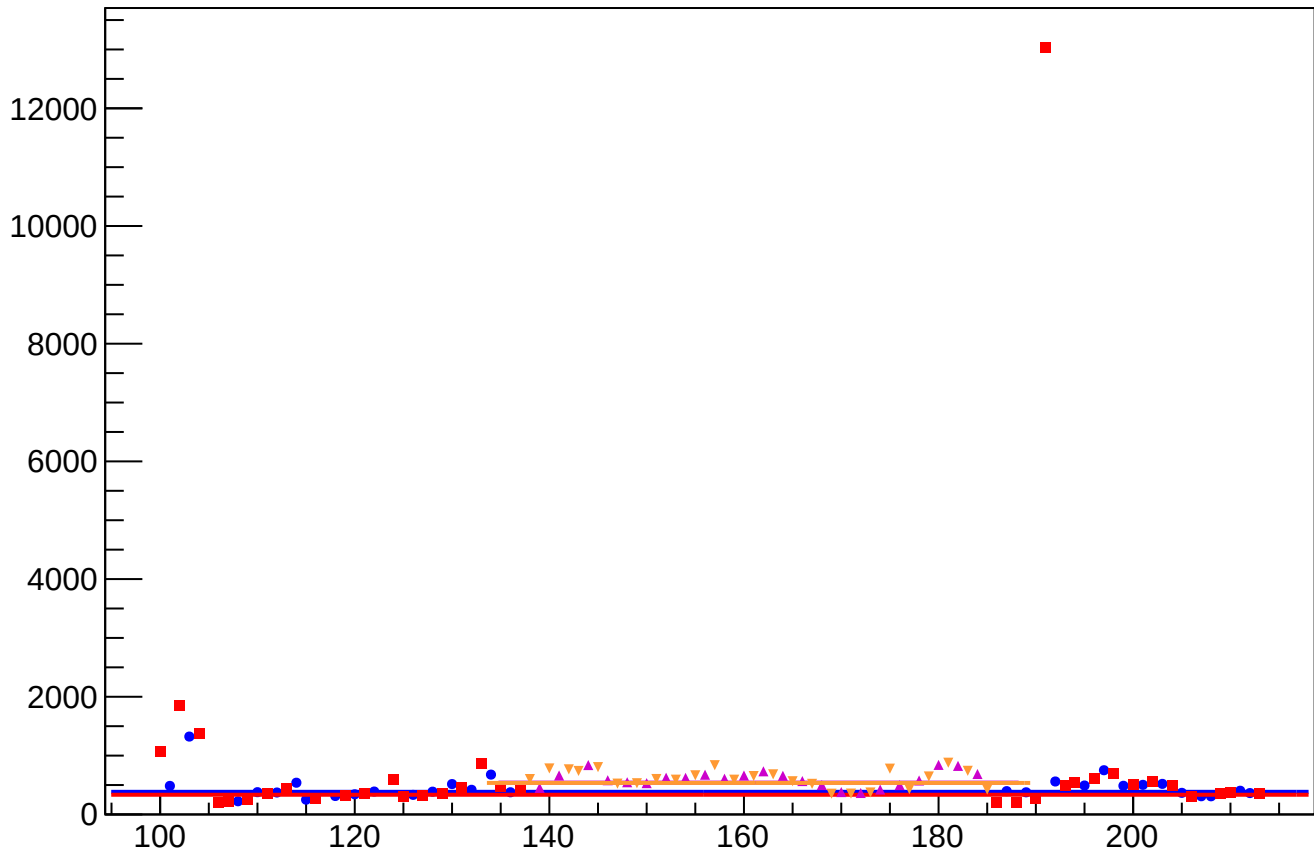
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.012 ± 0.078 χ^2/NDF : 49.2/53

All: -0.014 ± 0.053 χ^2/NDF : 121.5/110

- sign -0.037 ± 0.072 χ^2/NDF : 72.1/56

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 384.611 $\pm$ 0.069 χ^2 /NDF: 2546849.7/28

Left Out: 535.948 $\pm$ 0.092 χ^2 /NDF: 2749816.2/24

Right Out: 334.878 $\pm$ 0.061 χ^2 /NDF: 5508376.5/33

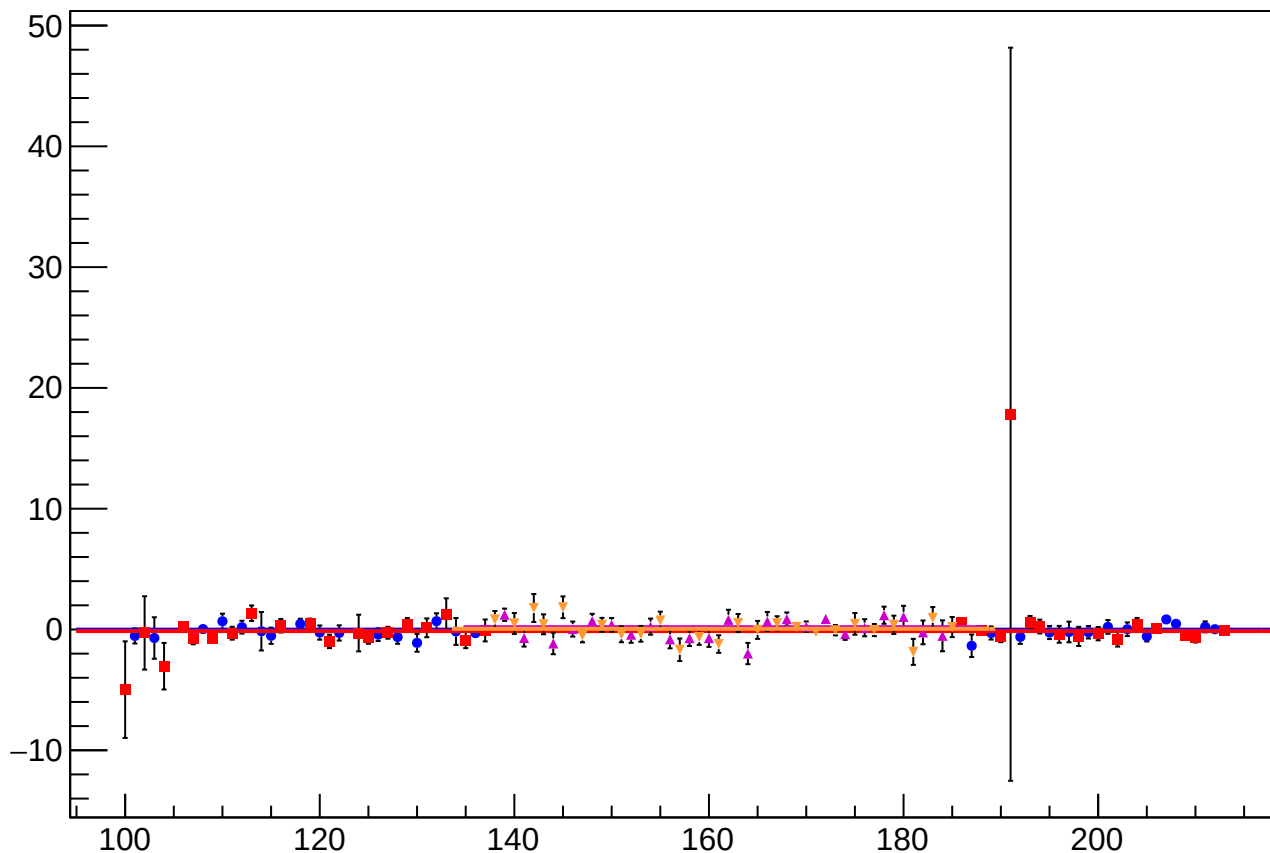
Left In: 540.809 $\pm$ 0.094 χ^2 /NDF: 1905035.9/22

+ sign 439.790 $\pm$ 0.055 χ^2 /NDF: 7032094.0/53

All: 416.177 $\pm$ 0.038 χ^2 /NDF: 18151753.3/11

- sign 395.896 $\pm$ 0.051 χ^2 /NDF: 10780644.3/56

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013 ± 0.098 χ^2/NDF : 24.3/28

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.133 ± 0.086 χ^2/NDF : 36.8/33

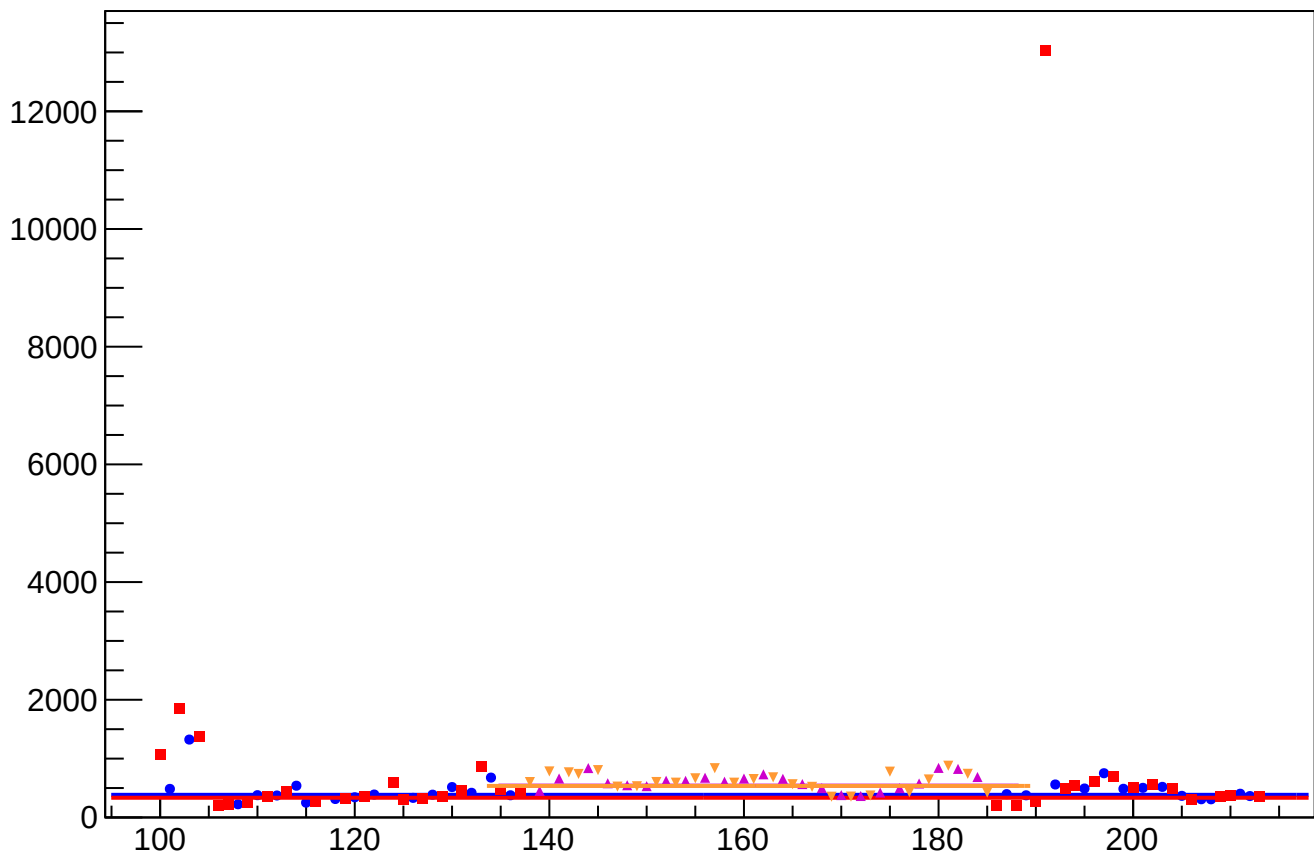
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign 0.012 ± 0.078 χ^2/NDF : 49.2/53

All: -0.014 ± 0.053 χ^2/NDF : 121.5/110

- sign -0.037 ± 0.072 χ^2/NDF : 72.1/56

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.611 $\pm$ 0.069 χ^2 /NDF: 2546849.7/28

Left Out: 535.948 $\pm$ 0.092 χ^2 /NDF: 2749816.2/24

Right Out: 334.878 $\pm$ 0.061 χ^2 /NDF: 5508376.5/33

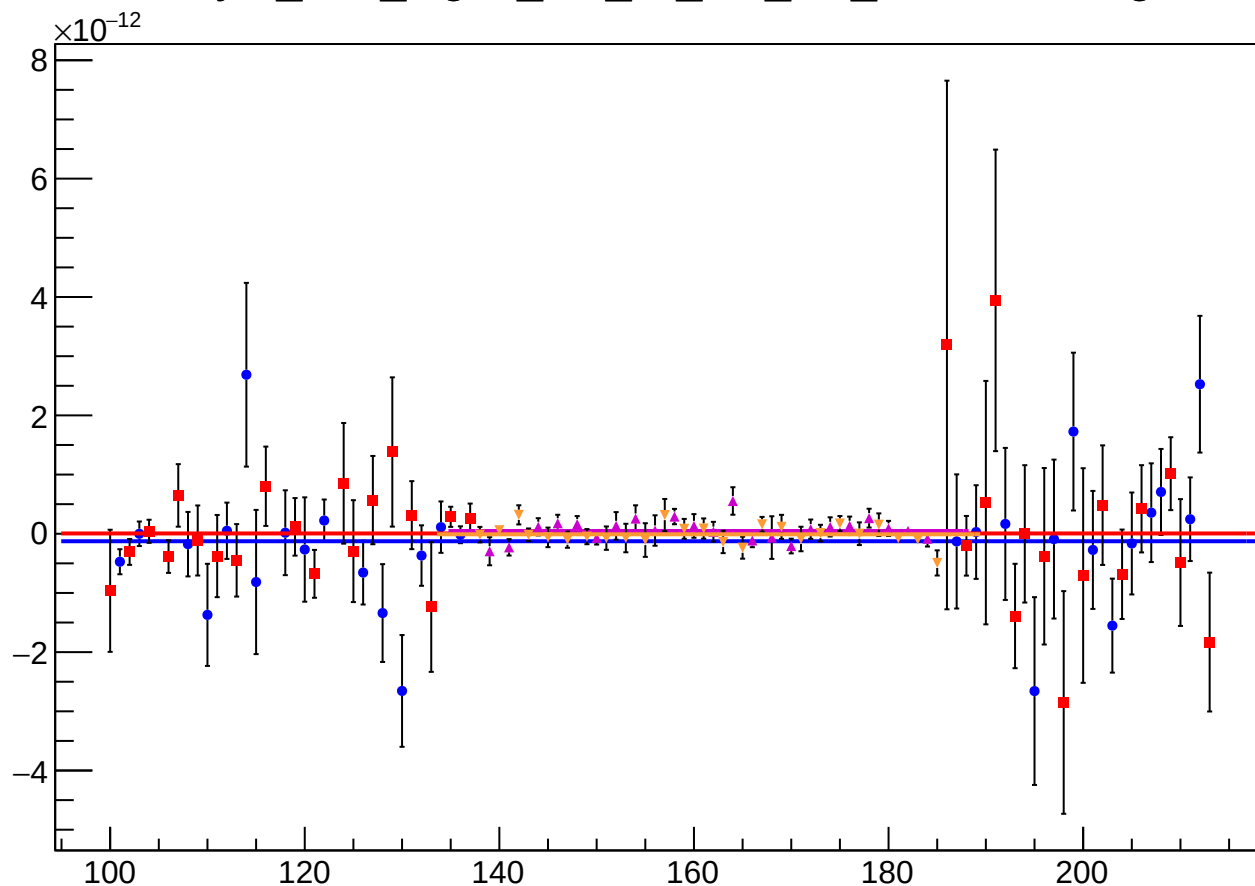
Left In: 540.809 $\pm$ 0.094 χ^2 /NDF: 1905035.9/22

+ sign 439.790 $\pm$ 0.055 χ^2 /NDF: 7032094.0/53

All: 416.177 $\pm$ 0.038 χ^2 /NDF: 18151753.3/11

- sign 395.896 $\pm$ 0.051 χ^2 /NDF: 10780644.3/56

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.3/33

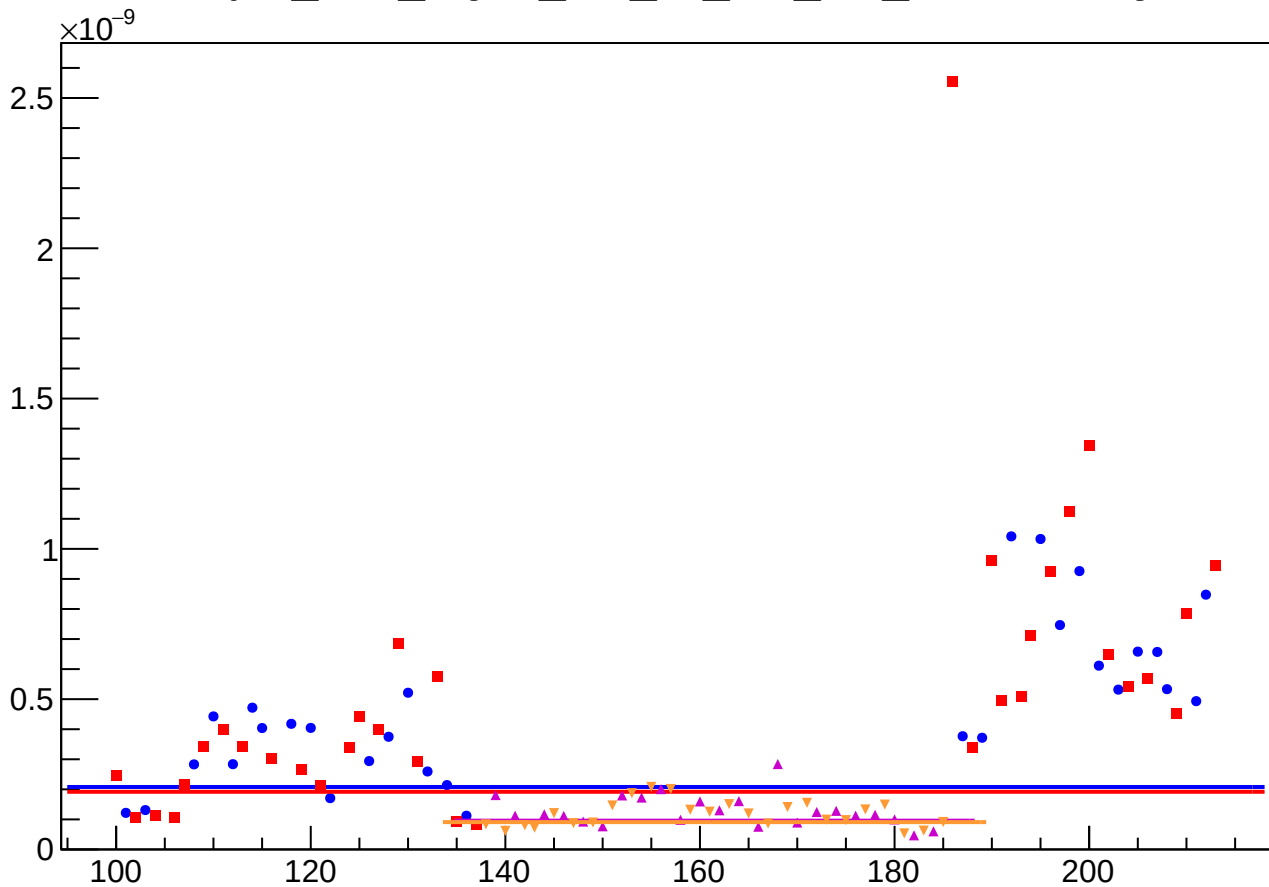
Left In: 0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.3/53

All: 0.000 ± 0.000 χ^2/NDF : 125.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 62.7/56

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8063541.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3367730.2/24

+ sign 0.000+/-0.000 χ^2/NDF : 15015807.9/53

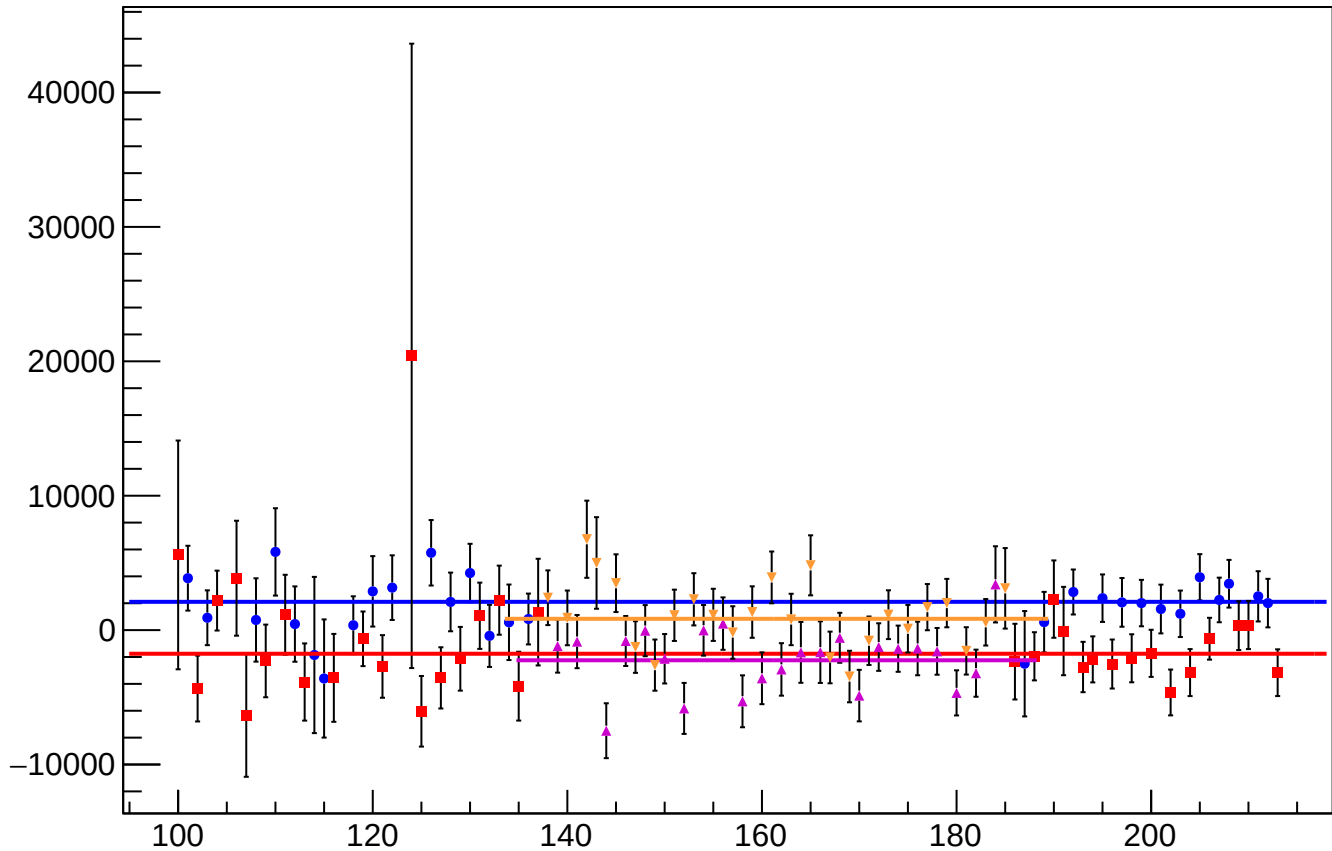
Right Out: 0.000+/-0.000 χ^2/NDF : 10010741.1/33

All: 0.000+/-0.000 χ^2/NDF : 31558764.5/110

- sign 0.000+/-0.000 χ^2/NDF : 16513376.2/56

Left In: 0.000+/-0.000 χ^2/NDF : 3905784.1/22

reg_asym_atl_avg_mean vs Slug



Right In: 2104.567 $\pm$ 396.283 χ^2 /NDF: 15.1/28

Left Out: 841.572 $\pm$ 394.444 χ^2 /NDF:30.4/24

Right Out: -1758.724 $\pm$ 387.186 χ^2 /NDF: 29.7/33

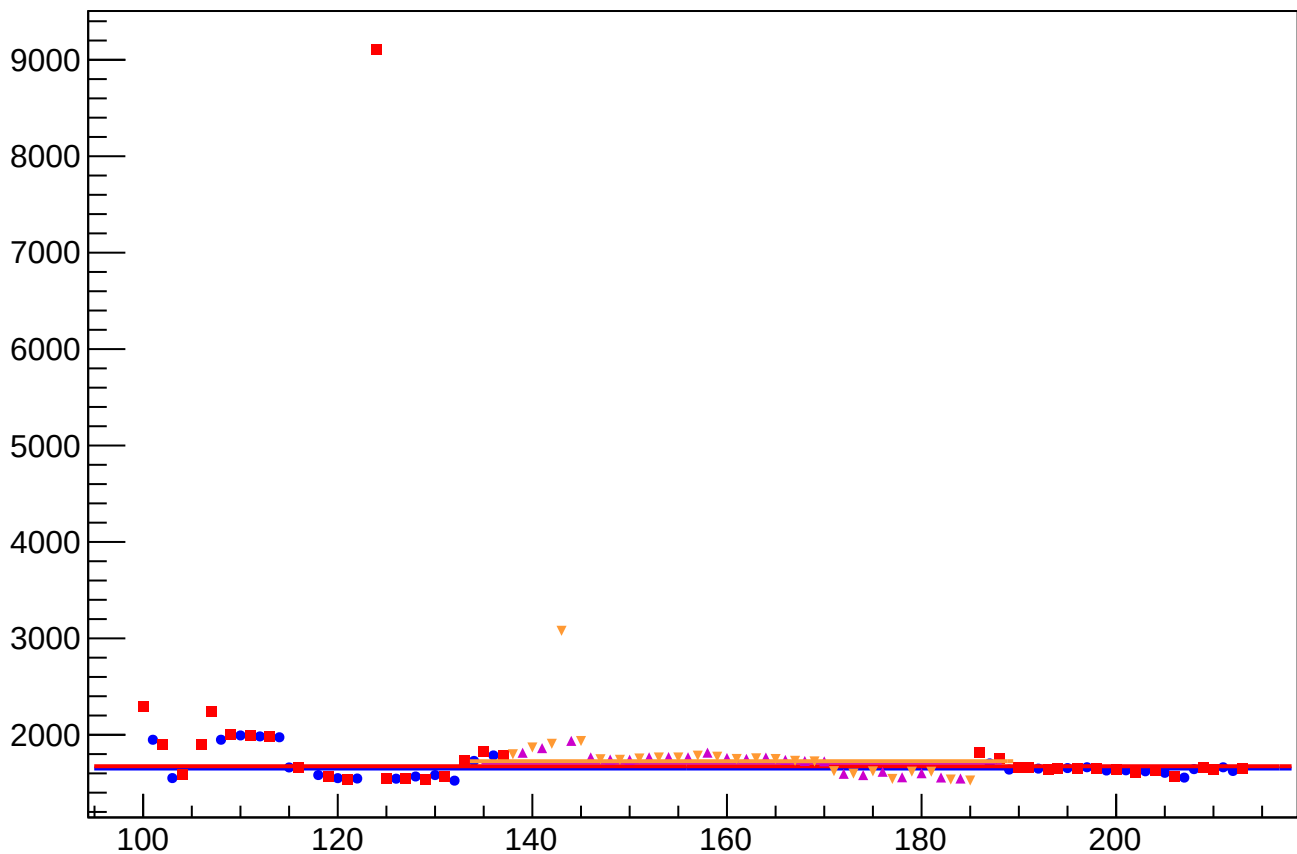
Left In: -2245.041 $\pm$ 400.753 χ^2 /NDF:29.4/22

+ sign 1470.133 $\pm$ 279.562 χ^2 /NDF: 50.6/53

All: -268.562 $\pm$ 197.288 χ^2 /NDF: 187.6/110

- sign -1993.512 $\pm$ 278.455 χ^2 /NDF: 59.9/56

reg_asym_atl_avg_rms vs Slug



Right In: 1650.451+/-0.280 χ^2/NDF : 155364.1/28

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1674.089+/-0.273 χ^2/NDF : 419214.9/33

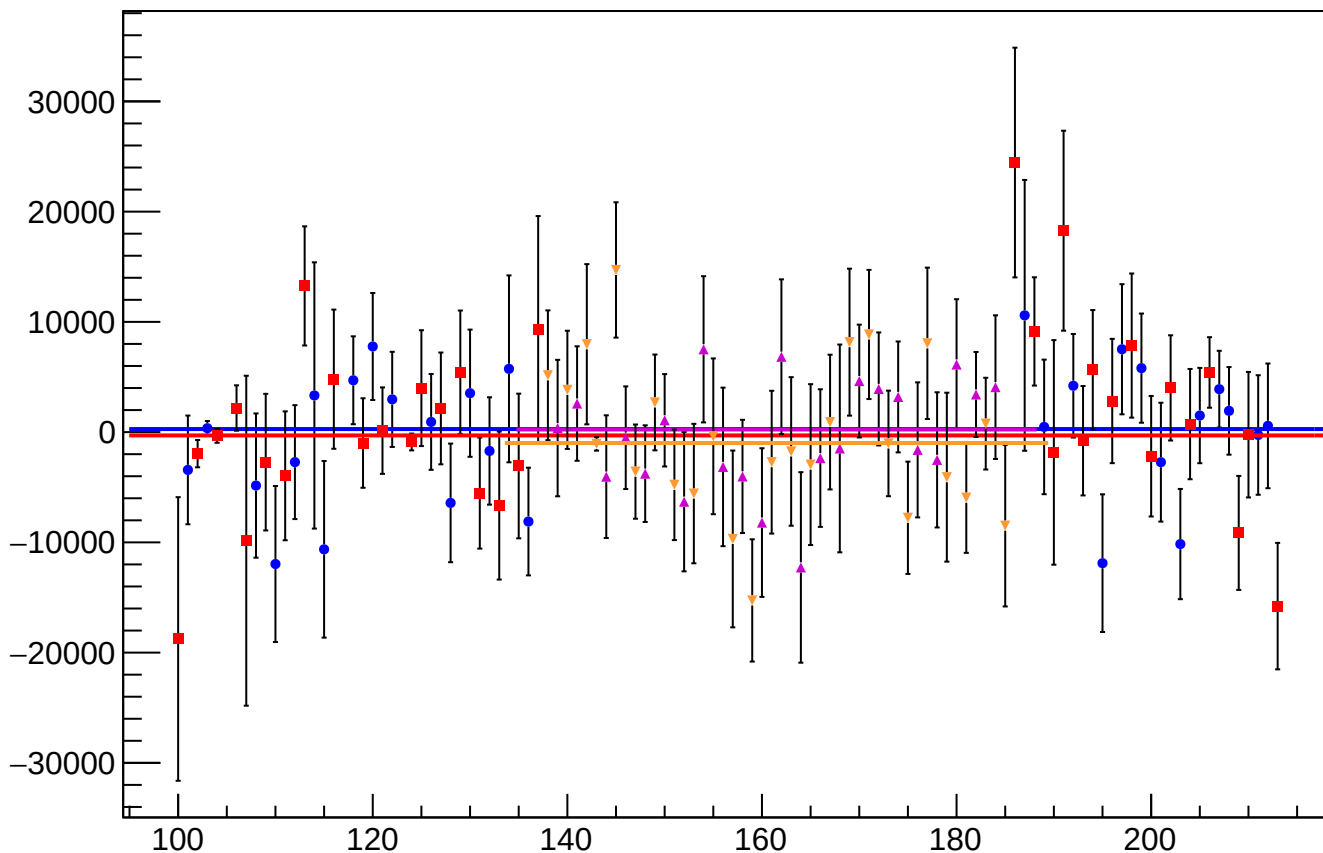
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1688.430+/-0.198 χ^2/NDF : 646865.3/53

All: 1690.684+/-0.139 χ^2/NDF : 1205475.9/11

- sign 1692.916+/-0.197 χ^2/NDF : 558351.9/56

asym_atl_avg_reg_correction_mean vs Slug



Right In: 277.540 $\pm$ 544.720 χ^2 /NDF: 29.8/28

Left Out: -987.621 $\pm$ 541.250 χ^2 /NDF:30.8/24

Right Out: -299.435 $\pm$ 406.295 χ^2 /NDF: 49.8/33

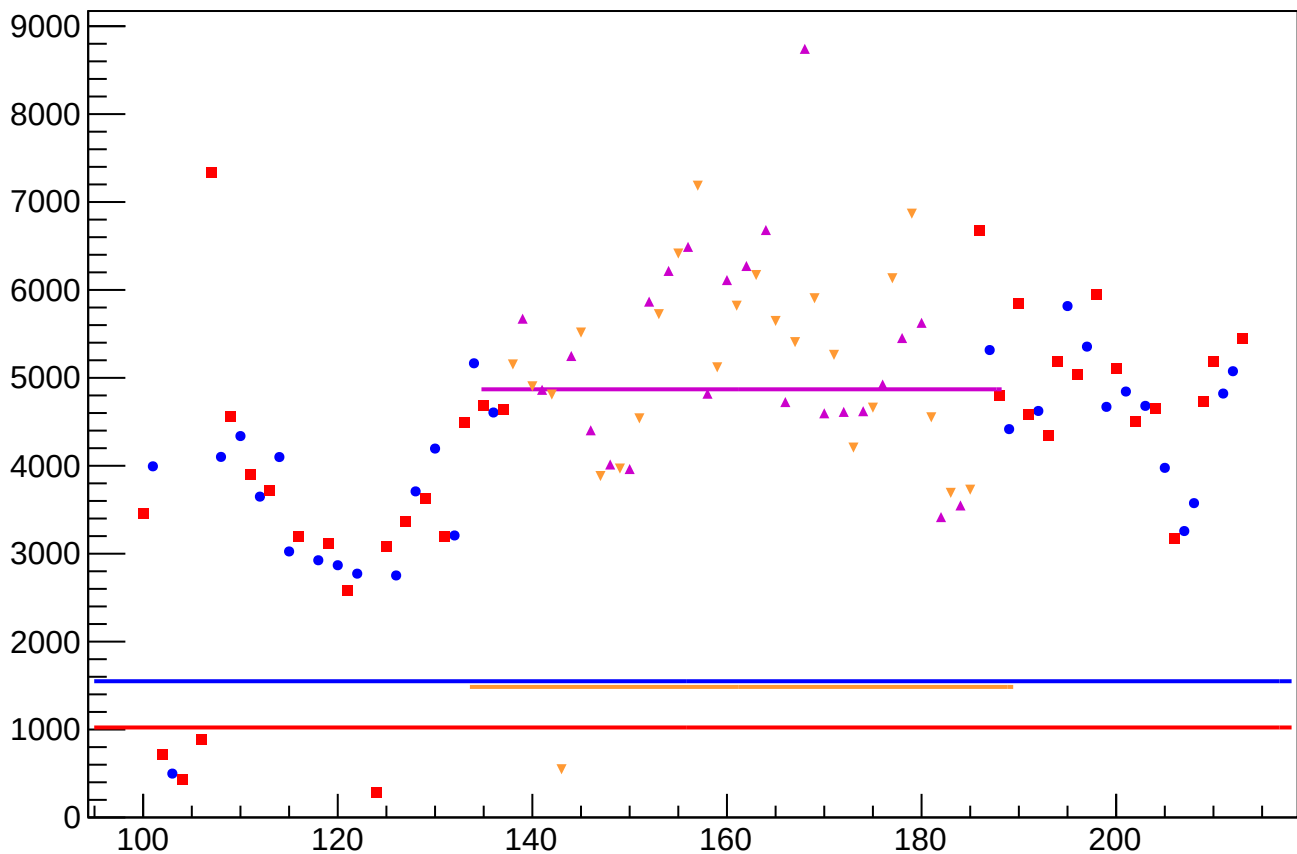
Left In: 239.582 $\pm$ 1165.046 χ^2 /NDF:13.5/22

+ sign -359.083 $\pm$ 383.942 χ^2 /NDF: 63.4/53

All: -299.989 $\pm$ 271.380 χ^2 /NDF: 127.0/110

- sign -240.989 $\pm$ 383.636 χ^2 /NDF: 63.6/56

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1549.456 $\pm$ 0.385 χ^2 /NDF: 18293260.7/28

Left Out: 1484.563 $\pm$ 0.383 χ^2 /NDF: 23224946.4/24

Right Out: 1023.412 $\pm$ 0.287 χ^2 /NDF: 24056184.1/33

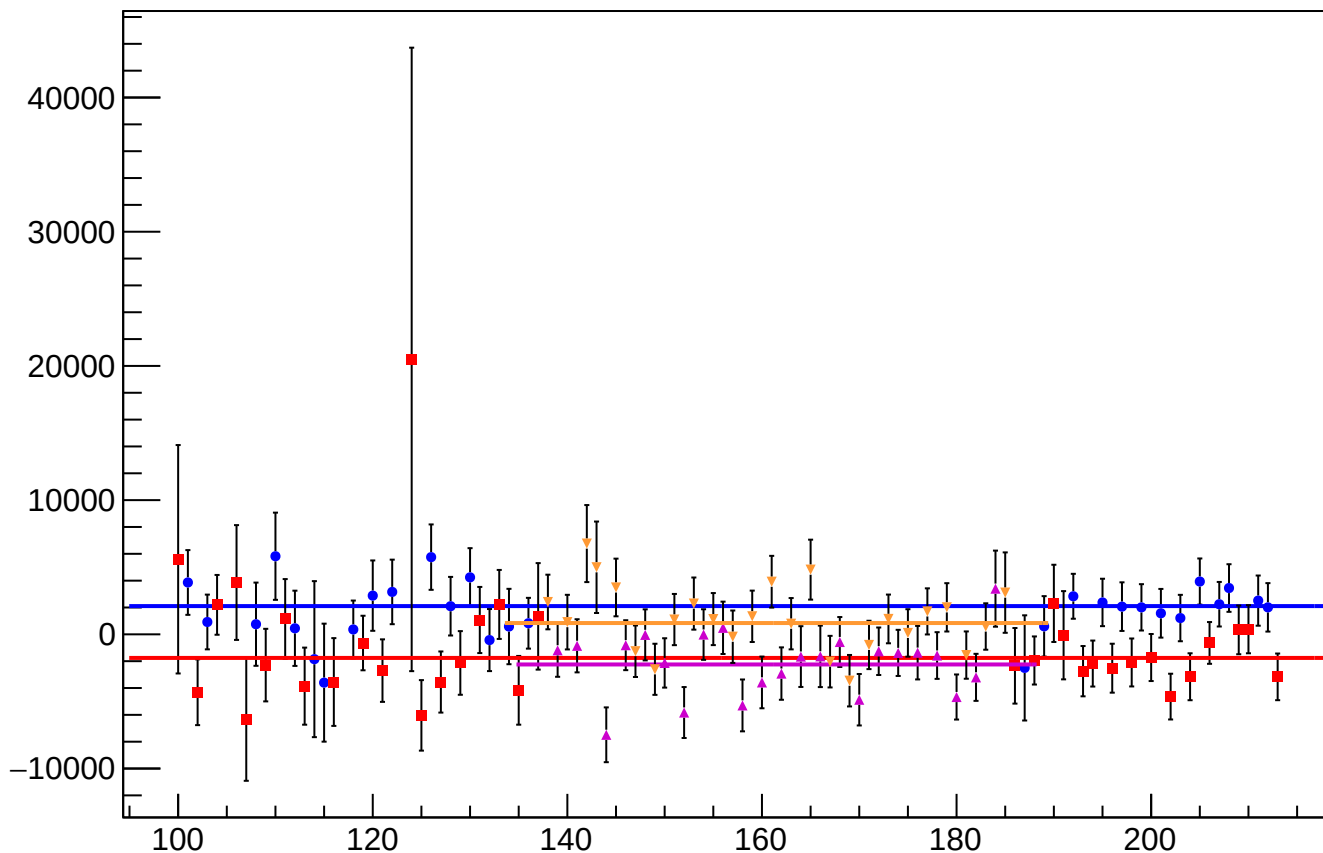
Left In: 4869.707 $\pm$ 0.824 χ^2 /NDF: 1474225.9/22

+ sign 1516.802 $\pm$ 0.271 χ^2 /NDF: 41532489.8/53

All: 1478.604 $\pm$ 0.192 χ^2 /NDF: 86537434.1/100

- sign 1440.468 $\pm$ 0.271 χ^2 /NDF: 44965384.5/56

cor_asym_atl_avg_mean vs Slug



Right In: 2104.638+/-396.283 χ^2/NDF : 15.1/28

Left Out: 841.564+/-394.444 χ^2/NDF : 30.4/24

Right Out: -1757.850+/-387.187 χ^2/NDF : 29.7/33

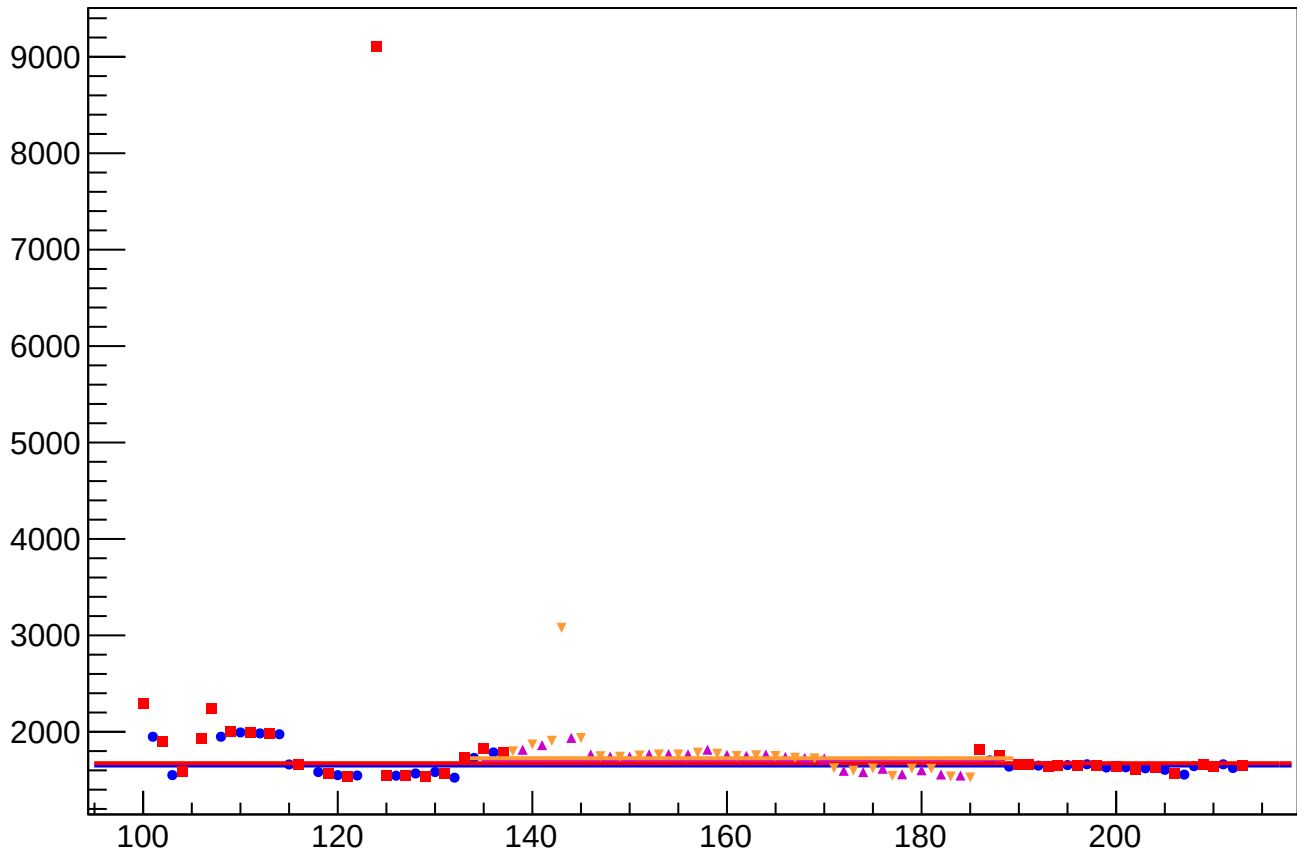
Left In: -2245.061+/-400.753 χ^2/NDF : 29.4/22

+ sign 1470.164+/-279.562 χ^2/NDF : 50.6/53

All: -268.322+/-197.288 χ^2/NDF : 187.6/110

- sign -1993.070+/-278.455 χ^2/NDF : 59.9/56

cor_asym_atl_avg_rms vs Slug



Right In: 1650.451+/-0.280 χ^2/NDF : 155364.1/28

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1674.378+/-0.273 χ^2/NDF : 421311.6/33

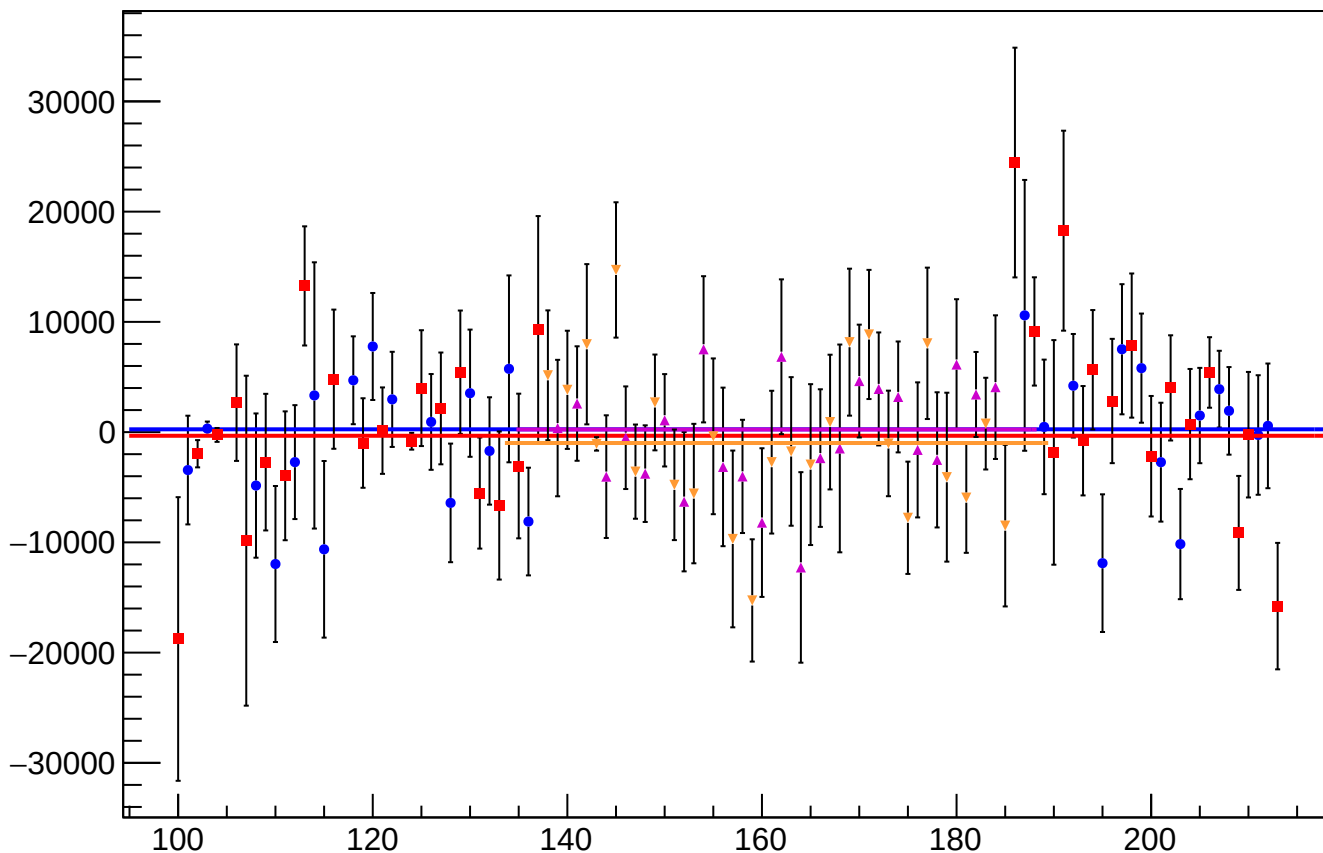
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1688.430+/-0.198 χ^2/NDF : 646865.4/53

All: 1690.761+/-0.139 χ^2/NDF : 1207443.8/11

- sign 1693.069+/-0.197 χ^2/NDF : 560301.8/56

asym_atl_avg_cor_correction_mean vs Slug



Right In: 255.177 $\pm$ 535.112 χ^2 /NDF: 29.8/28

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -330.687 $\pm$ 411.395 χ^2 /NDF: 48.6/33

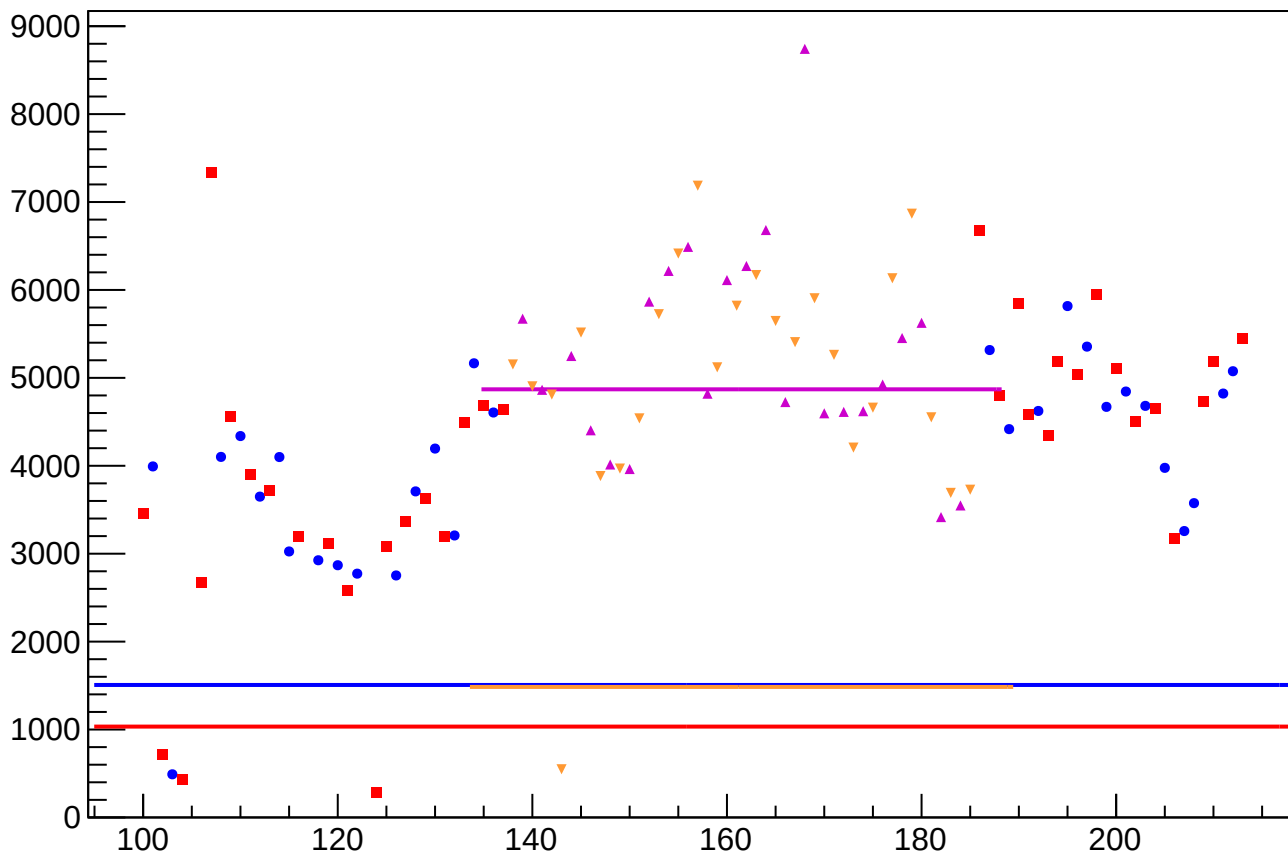
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -358.993 $\pm$ 380.527 χ^2 /NDF: 63.3/53

All: -314.114 $\pm$ 271.649 χ^2 /NDF: 125.7/110

- sign -267.474 $\pm$ 387.920 χ^2 /NDF: 62.3/56

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1506.993+/-0.378 χ^2/NDF : 18634532.6/28

Left Out: 1484.485+/-0.383 χ^2/NDF : 23225570.5/24

Right Out: 1033.476+/-0.291 χ^2/NDF : 24287635.6/33

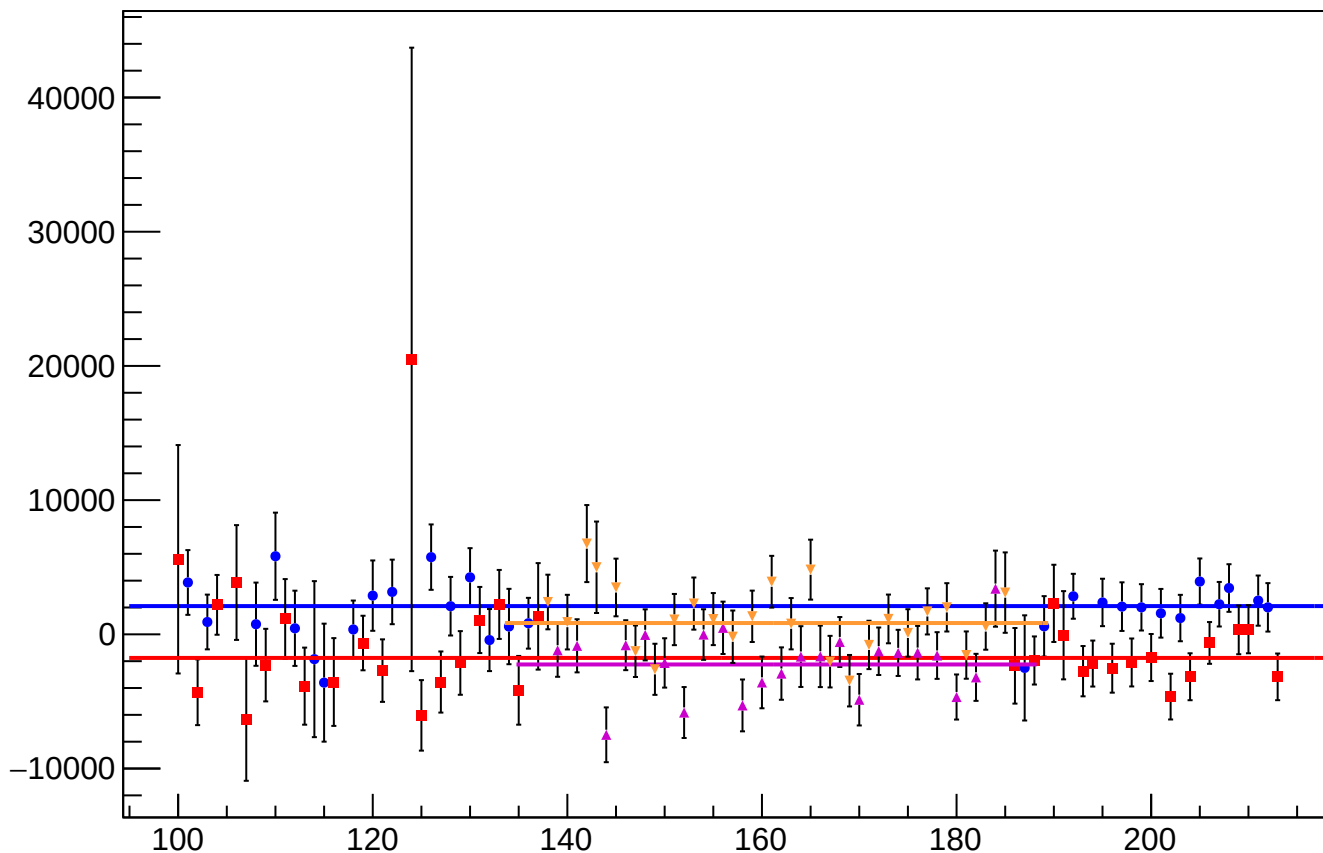
Left In: 4869.699+/-0.824 χ^2/NDF : 1474252.6/22

+ sign 1495.867+/-0.269 χ^2/NDF : 41861852.3/53

All: 1477.682+/-0.192 χ^2/NDF : 86913600.2/100

- sign 1458.784+/-0.274 χ^2/NDF : 45042434.1/56

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2104.638 $\pm$ 396.283 χ^2/NDF : 15.1/28

Left Out: 841.564 $\pm$ 394.444 χ^2/NDF : 30.4/24

Right Out: -1757.850 $\pm$ 387.187 χ^2/NDF : 29.7/33

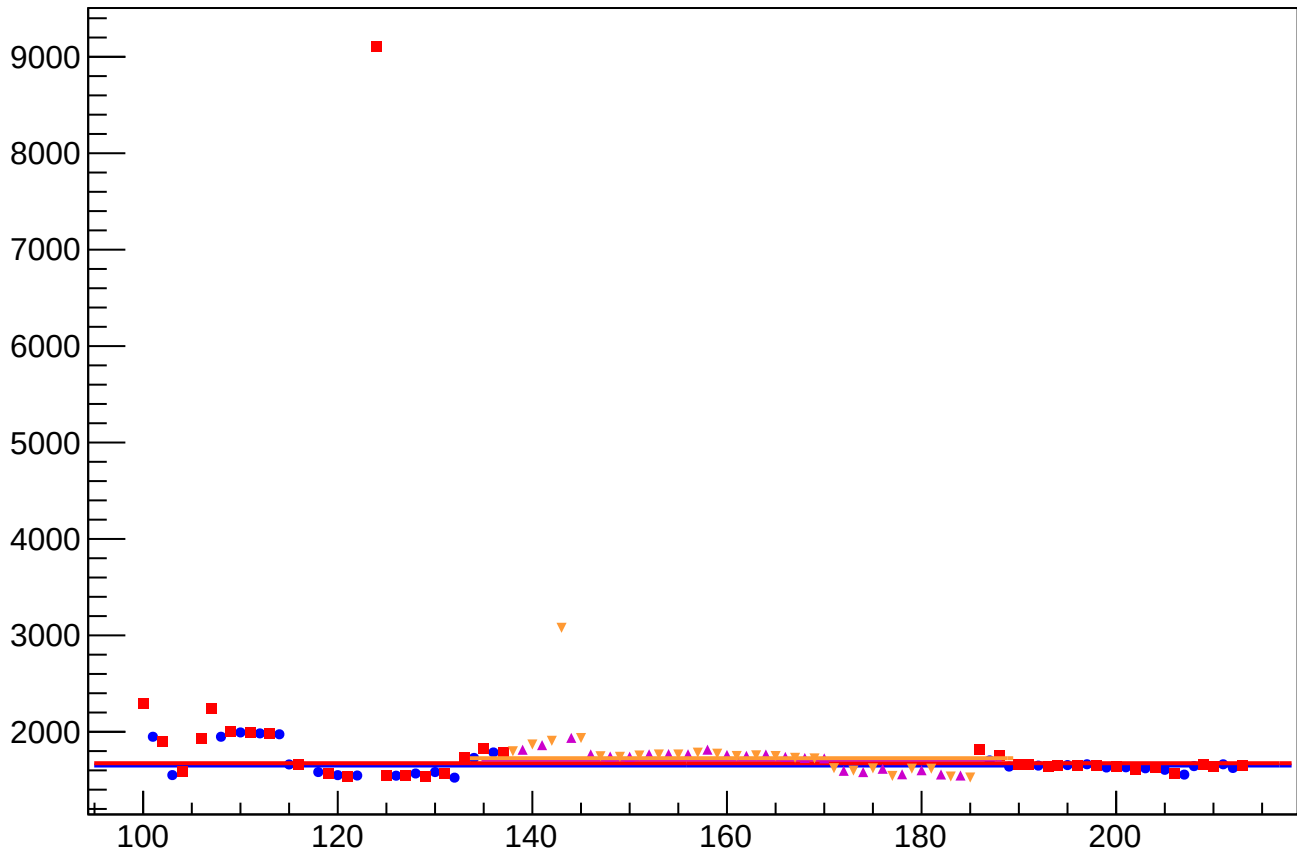
Left In: -2245.061 $\pm$ 400.753 χ^2/NDF : 29.4/22

+ sign 1470.164 $\pm$ 279.562 χ^2/NDF : 50.6/53

All: -268.322 $\pm$ 197.288 χ^2/NDF : 187.6/110

- sign -1993.070 $\pm$ 278.455 χ^2/NDF : 59.9/56

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1650.451+/-0.280 χ^2/NDF : 155364.1/28

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1674.378+/-0.273 χ^2/NDF : 421311.6/33

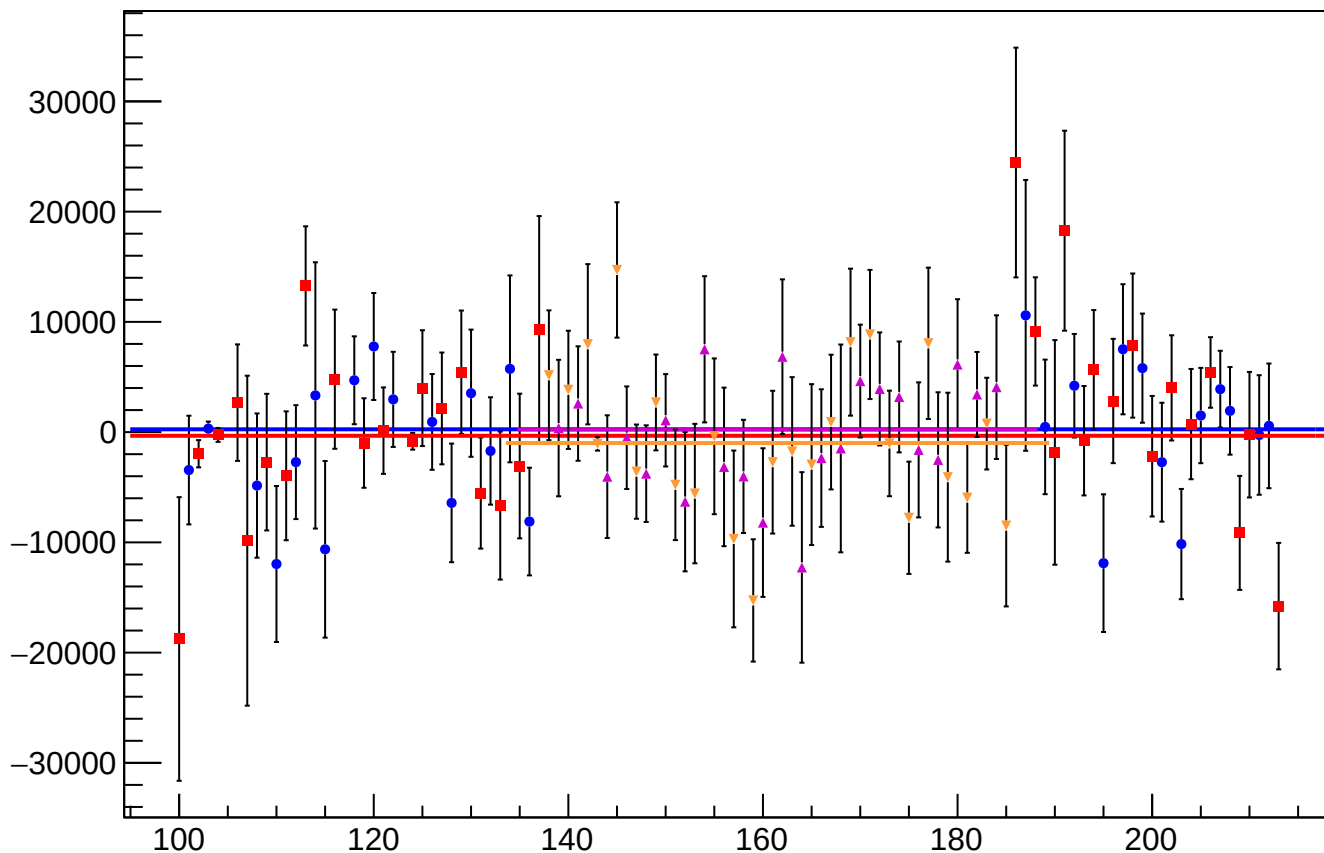
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1688.430+/-0.198 χ^2/NDF : 646865.4/53

All: 1690.761+/-0.139 χ^2/NDF : 1207443.8/11

- sign 1693.069+/-0.197 χ^2/NDF : 560301.8/56

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 255.177 $\pm$ 535.112 χ^2 /NDF: 29.8/28

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -330.687 $\pm$ 411.395 χ^2 /NDF: 48.6/33

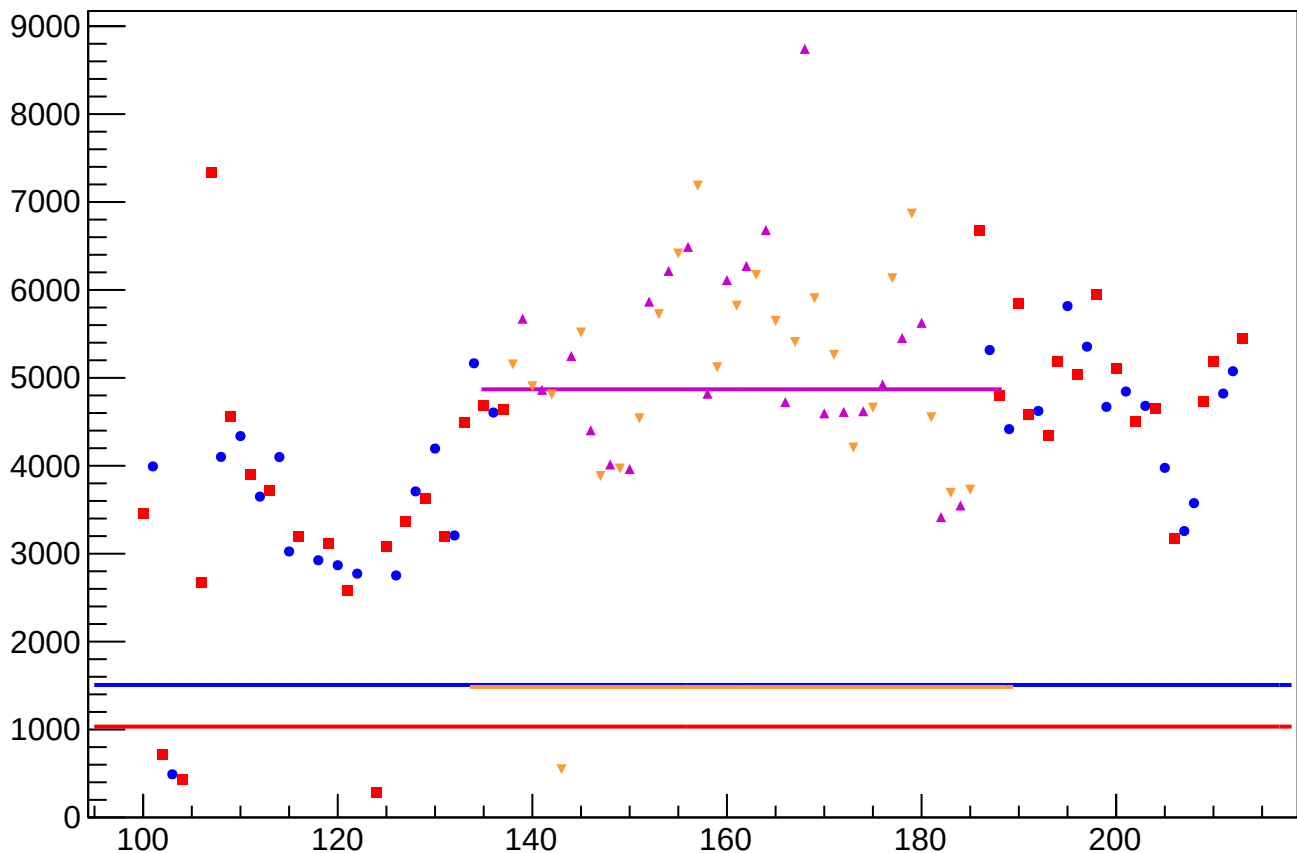
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -358.993 $\pm$ 380.527 χ^2 /NDF: 63.3/53

All: -314.114 $\pm$ 271.649 χ^2 /NDF: 125.7/110

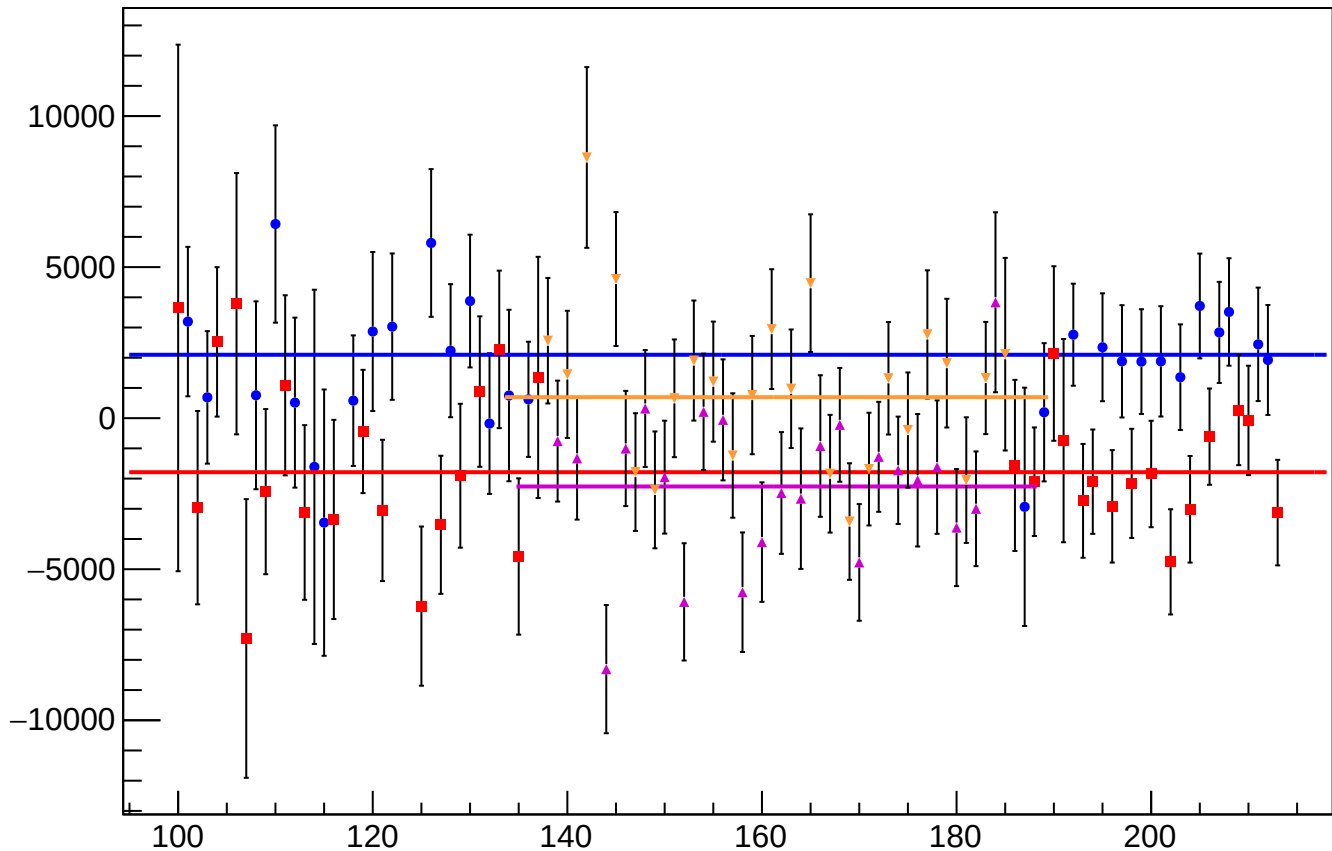
- sign -267.474 $\pm$ 387.920 χ^2 /NDF: 62.3/56

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1506.993+/-0.378	χ^2/NDF : 18634532.6/28	+ sign 1495.867+/-0.269	χ^2/NDF : 41861852.3/53
Left Out: 1484.485+/-0.383	χ^2/NDF : 23225570.5/24	All: 1477.682+/-0.192	χ^2/NDF : 86913600.2/1
Right Out: 1033.476+/-0.291	χ^2/NDF : 24287635.6/33	- sign 1458.784+/-0.274	χ^2/NDF : 45042434.1/56
Left In: 4869.699+/-0.824	χ^2/NDF : 1474252.6/22		

dit_asym_atl_avg_mean vs Slug



Right In: 2098.080 $\pm$ 400.666 χ^2 /NDF: 14.8/28

Left Out: 694.317 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1788.637 $\pm$ 393.886 χ^2 /NDF: 27.0/32

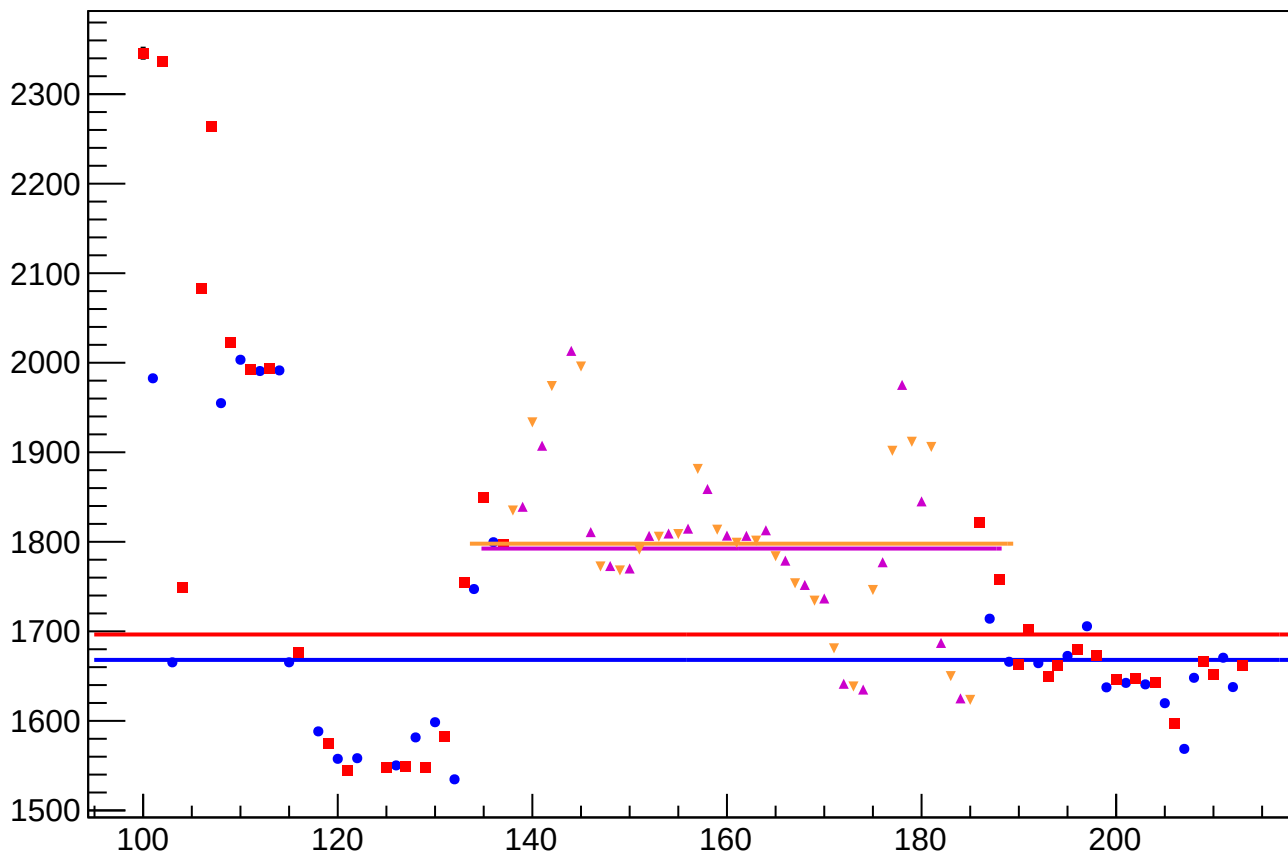
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1425.993 $\pm$ 289.264 χ^2 /NDF: 52.9/52

All: -305.492 $\pm$ 203.751 χ^2 /NDF: 182.0/108

- sign -2010.499 $\pm$ 287.044 χ^2 /NDF: 58.0/55

dit_asym_atl_avg_rms vs Slug



Right In: 1668.100+/-0.283 χ^2/NDF : 152601.9/28

Left Out: 1797.909+/-0.296 χ^2/NDF : 98002.1/23

Right Out: 1696.488+/-0.278 χ^2/NDF : 286706.5/32

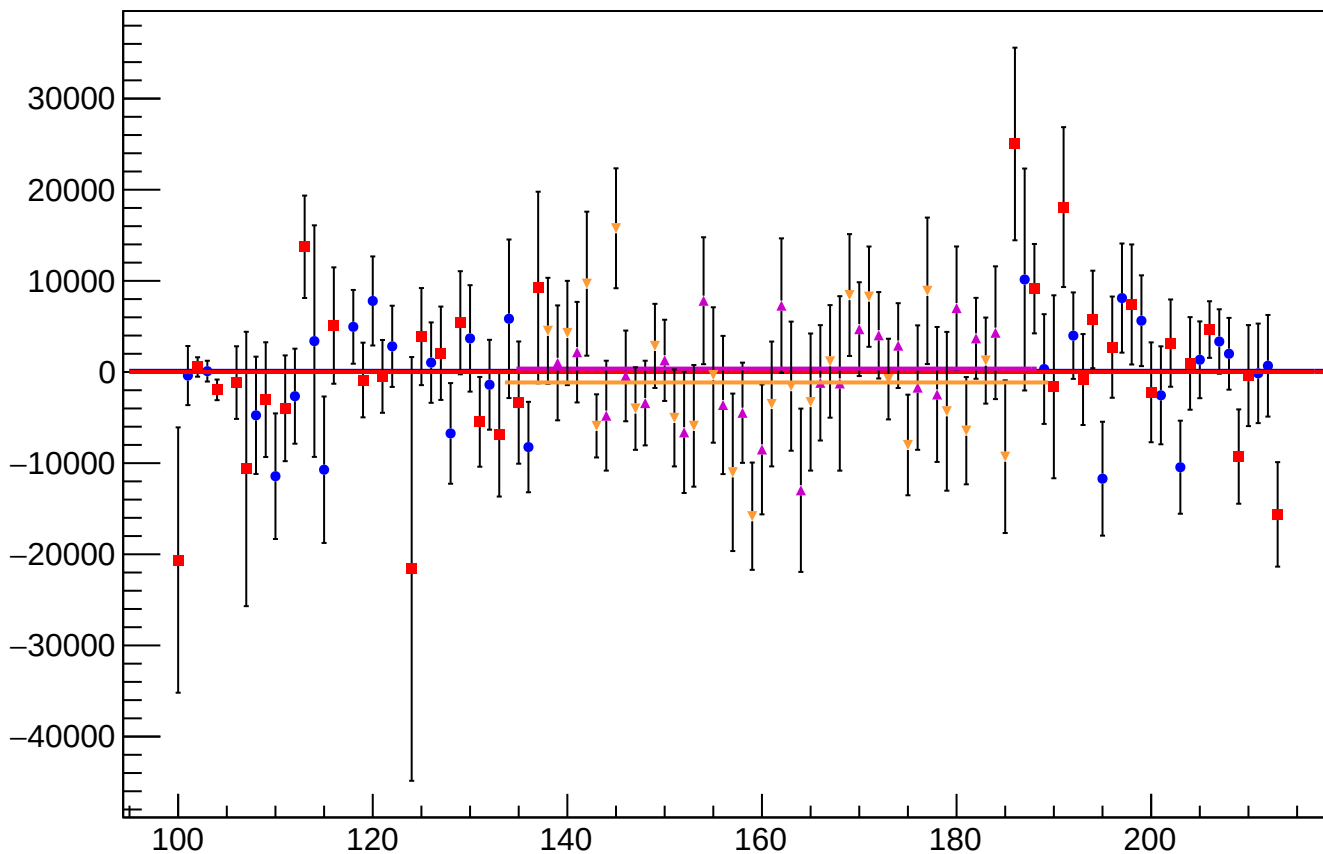
Left In: 1792.450+/-0.296 χ^2/NDF : 92875.2/22

+ sign 1730.250+/-0.205 χ^2/NDF : 351113.7/52

All: 1735.895+/-0.144 χ^2/NDF : 787914.6/108

- sign 1741.449+/-0.203 χ^2/NDF : 435289.8/55

asym_atl_avg_dit_correction_mean vs Slug



Right In: 130.998 ± 737.127 $\chi^2/\text{NDF}: 28.8/28$

Left Out: -1144.405 ± 1164.458 $\chi^2/\text{NDF}: 32.6/24$

Right Out: 1.414 ± 609.515 $\chi^2/\text{NDF}: 48.5/33$

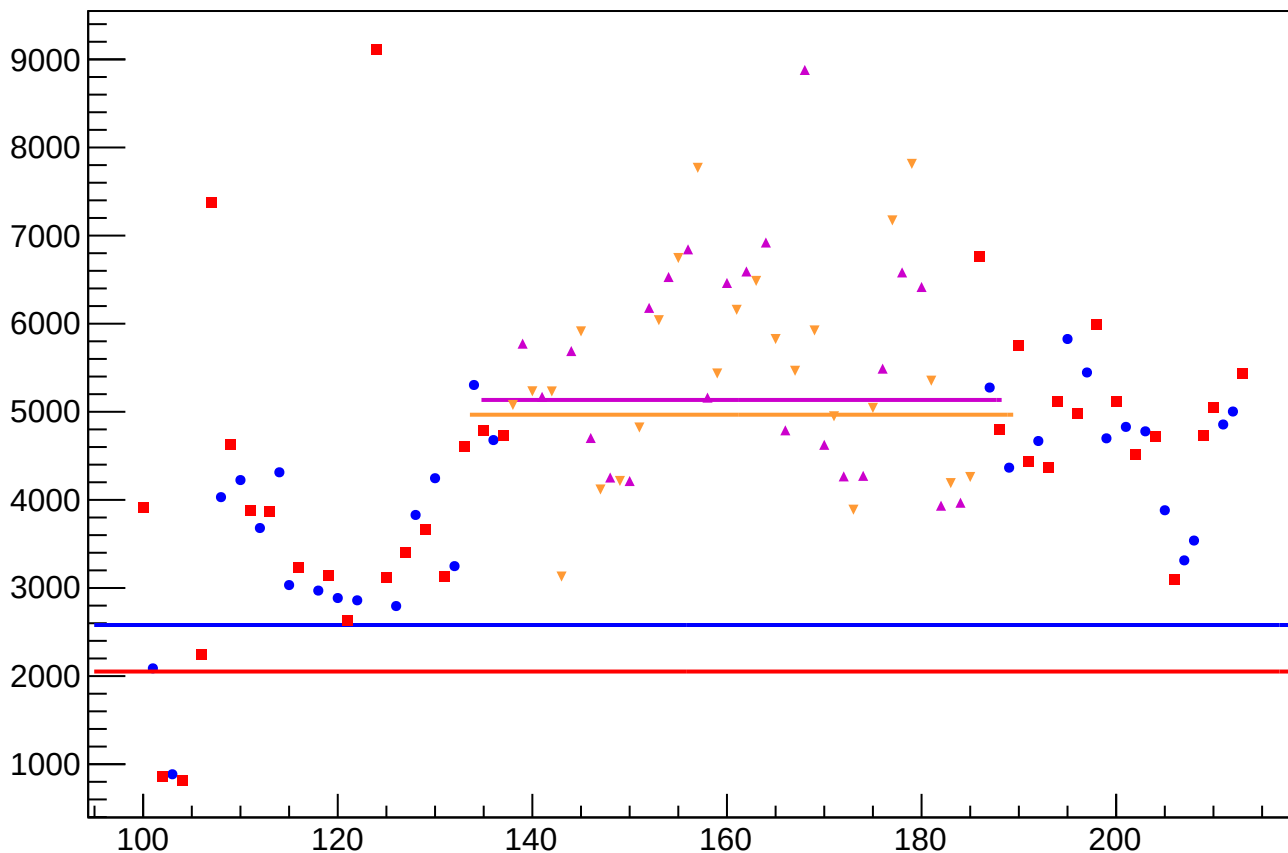
Left In: 374.927 ± 1228.699 $\chi^2/\text{NDF}: 13.3/22$

+ sign -233.869 ± 622.826 $\chi^2/\text{NDF}: 62.2/53$

All: -59.126 ± 410.581 $\chi^2/\text{NDF}: 124.2/110$

- sign 75.177 ± 546.023 $\chi^2/\text{NDF}: 61.9/56$

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2579.906 $\pm$ 0.521 χ^2 /NDF: 9561302.1/28

Left Out: 4966.879 $\pm$ 0.823 χ^2 /NDF:1917937.7/24

Right Out: 2051.744 $\pm$ 0.431 χ^2 /NDF: 15165420.9/33

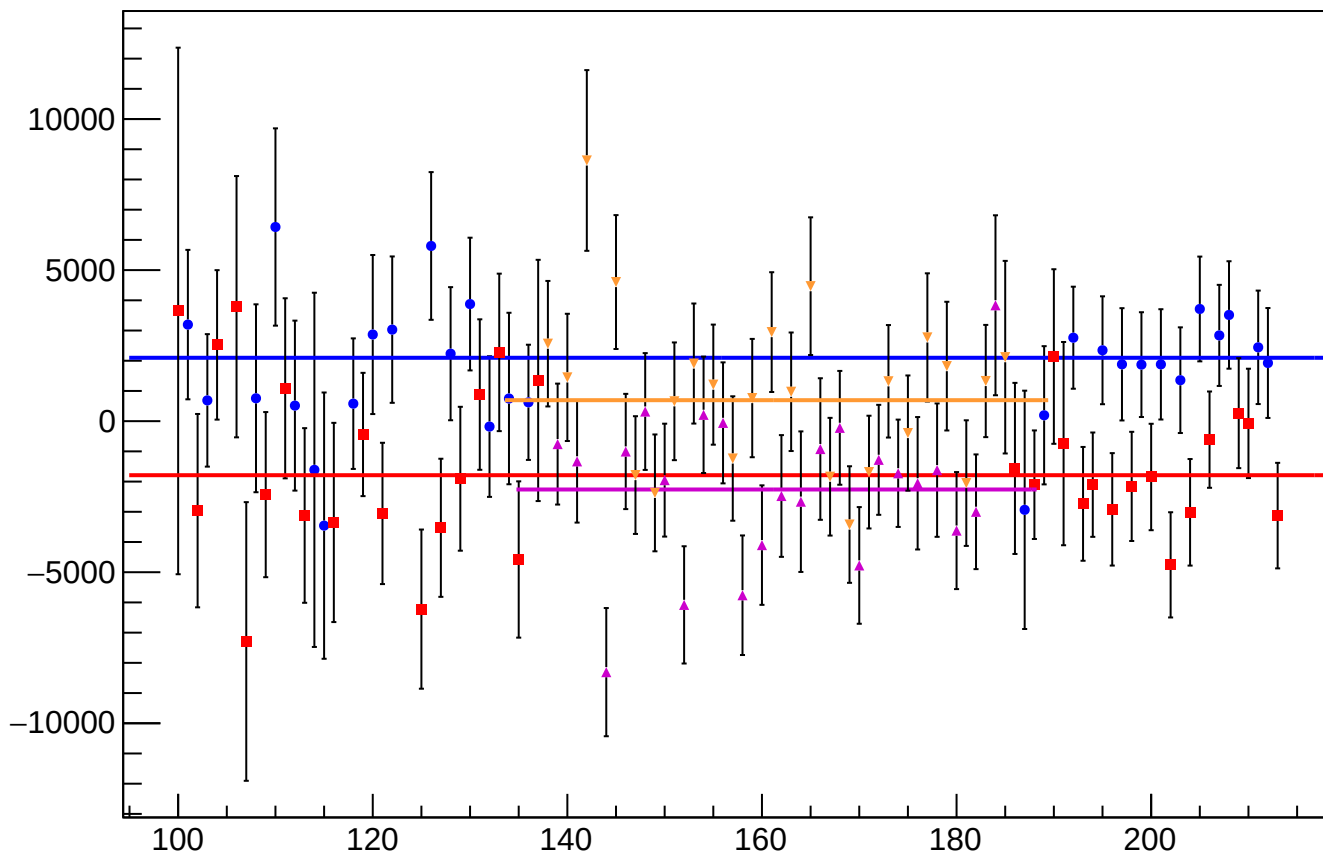
Left In: 5134.445 $\pm$ 0.869 χ^2 /NDF:1487075.9/22

+ sign 3262.769 $\pm$ 0.440 χ^2 /NDF: 17478907.5/53

All: 2922.246 $\pm$ 0.290 χ^2 /NDF: 45291857.4/100

- sign 2660.527 $\pm$ 0.386 χ^2 /NDF: 26755612.3/56

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2098.078 $\pm$ 400.666 χ^2 /NDF: 14.8/28

Left Out: 694.313 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1788.634 $\pm$ 393.886 χ^2 /NDF: 27.0/32

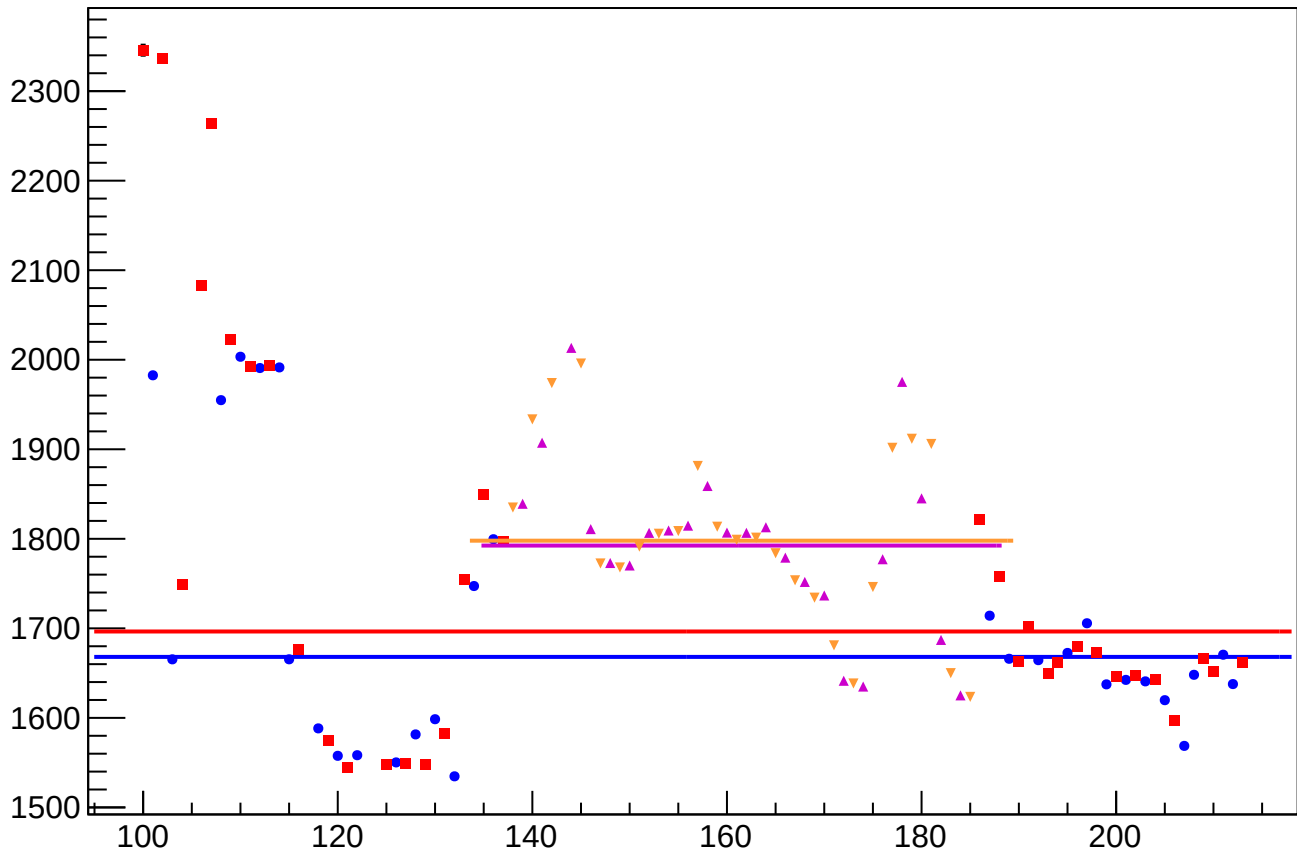
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1425.990 $\pm$ 289.264 χ^2 /NDF: 52.9/52

All: -305.493 $\pm$ 203.751 χ^2 /NDF: 182.0/108

- sign -2010.497 $\pm$ 287.044 χ^2 /NDF: 58.0/55

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1668.100 $\pm$ 0.283 χ^2 /NDF: 152602.2/28

Left Out: 1797.911 $\pm$ 0.296 χ^2 /NDF: 98005.5/23

Right Out: 1696.488 $\pm$ 0.278 χ^2 /NDF: 286705.9/32

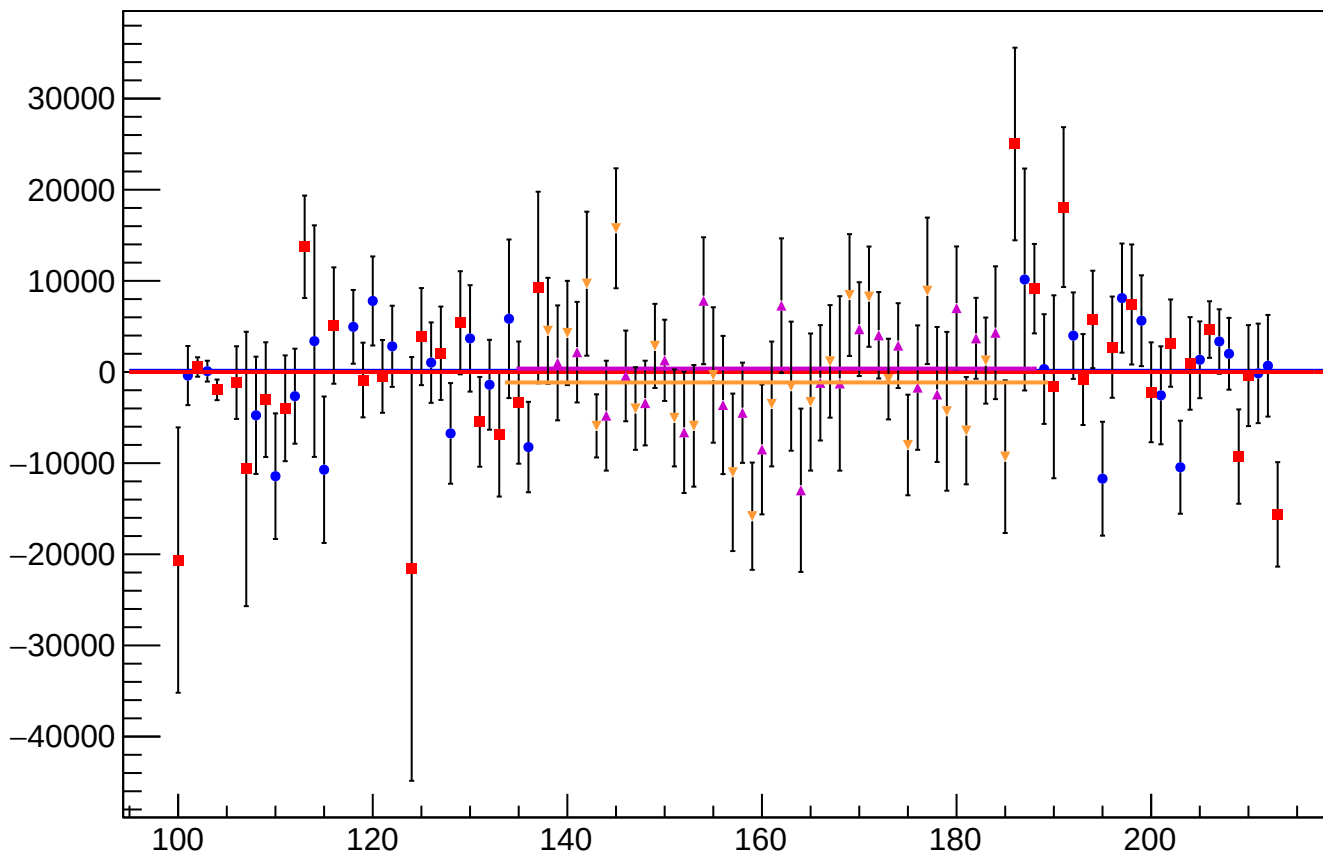
Left In: 1792.451 $\pm$ 0.296 χ^2 /NDF: 92878.6/22

+ sign 1730.250 $\pm$ 0.205 χ^2 /NDF: 351119.5/52

All: 1735.895 $\pm$ 0.144 χ^2 /NDF: 787924.8/108

- sign 1741.449 $\pm$ 0.203 χ^2 /NDF: 435294.2/55

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 130.999 ± 737.124 χ^2/NDF : 28.8/28

Left Out: -1144.411 ± 1164.460 χ^2/NDF : 32.6/24

Right Out: 1.408 ± 609.511 χ^2/NDF : 48.5/33

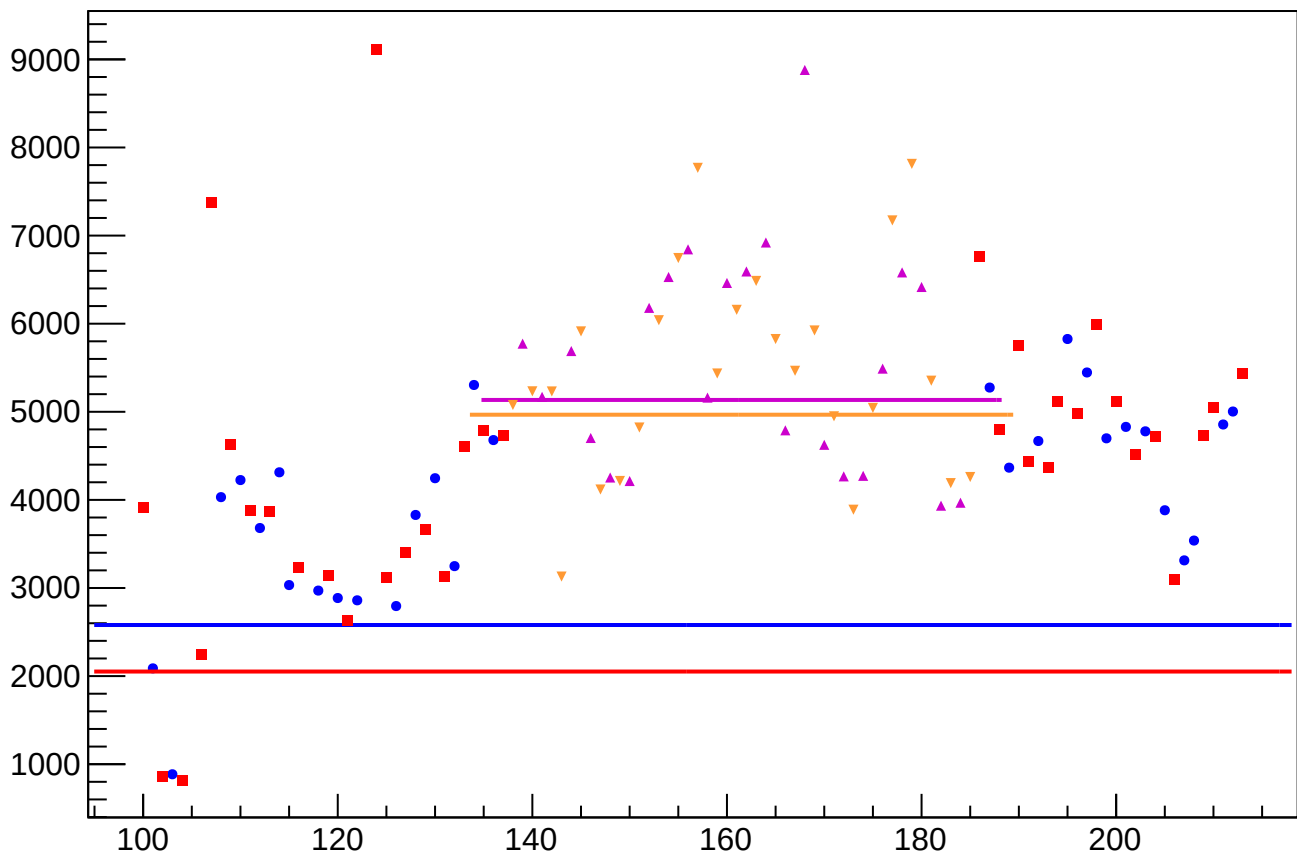
Left In: 374.928 ± 1228.701 χ^2/NDF : 13.3/22

+ sign -233.867 ± 622.825 χ^2/NDF : 62.2/53

All: -59.128 ± 410.580 χ^2/NDF : 124.2/110

- sign 75.172 ± 546.021 χ^2/NDF : 61.9/56

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2579.888 $\pm$ 0.521 χ^2 /NDF: 9561440.2/28

Left Out: 4966.886 $\pm$ 0.823 χ^2 /NDF:1917943.9/24

Right Out: 2051.726 $\pm$ 0.431 χ^2 /NDF: 15165568.5/33

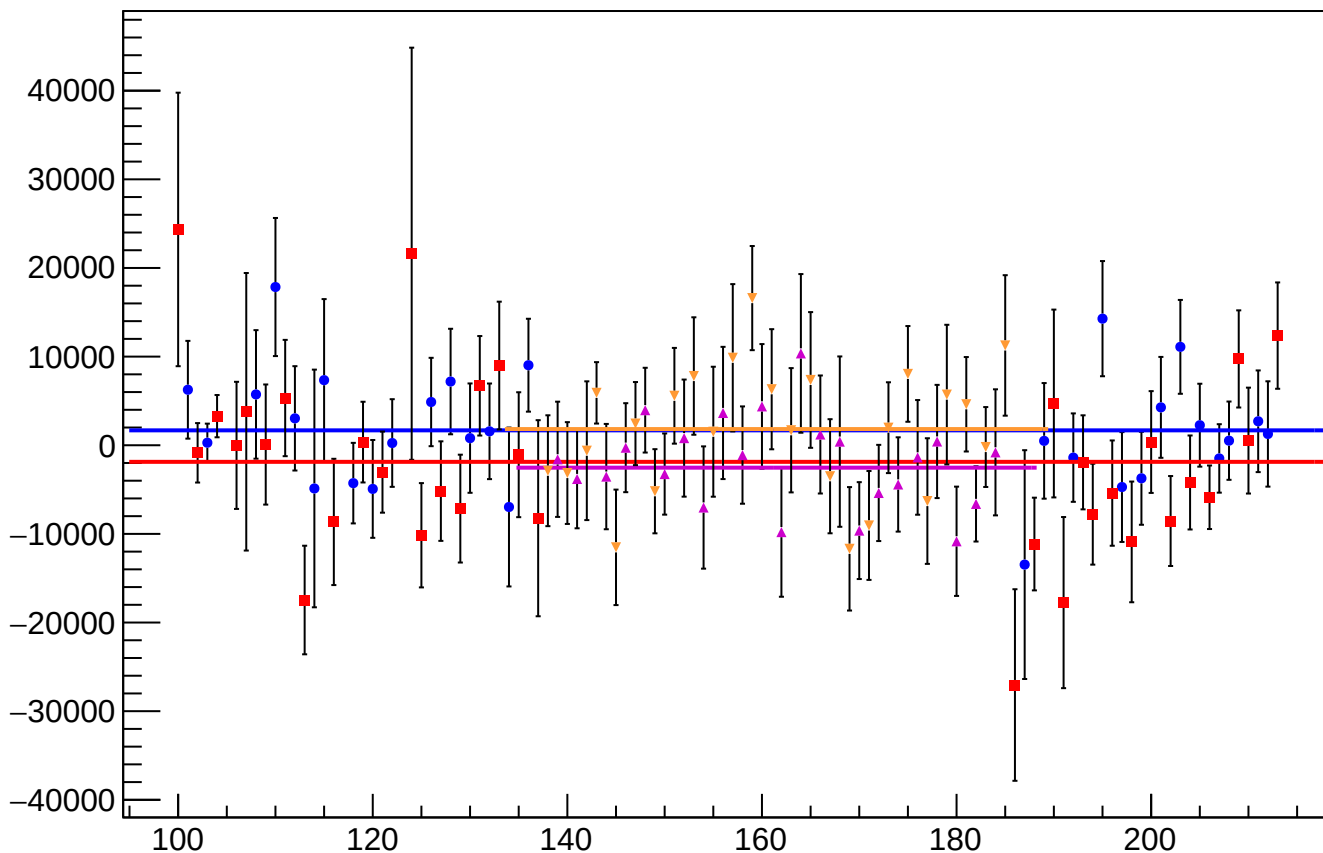
Left In: 5134.453 $\pm$ 0.869 χ^2 /NDF:1487077.8/22

+ sign 3262.754 $\pm$ 0.440 χ^2 /NDF: 17479176.8/53

All: 2922.227 $\pm$ 0.290 χ^2 /NDF: 45292469.0/100

- sign 2660.507 $\pm$ 0.386 χ^2 /NDF: 26755932.5/56

asym_atl_avg_mean vs Slug



Right In: 1681.027 $\pm$ 964.103 χ^2 /NDF: 25.7/28

Left Out: 1826.201 $\pm$ 1172.478 χ^2 /NDF:31.1/24

Right Out: -1871.520 $\pm$ 952.762 χ^2 /NDF: 54.3/33

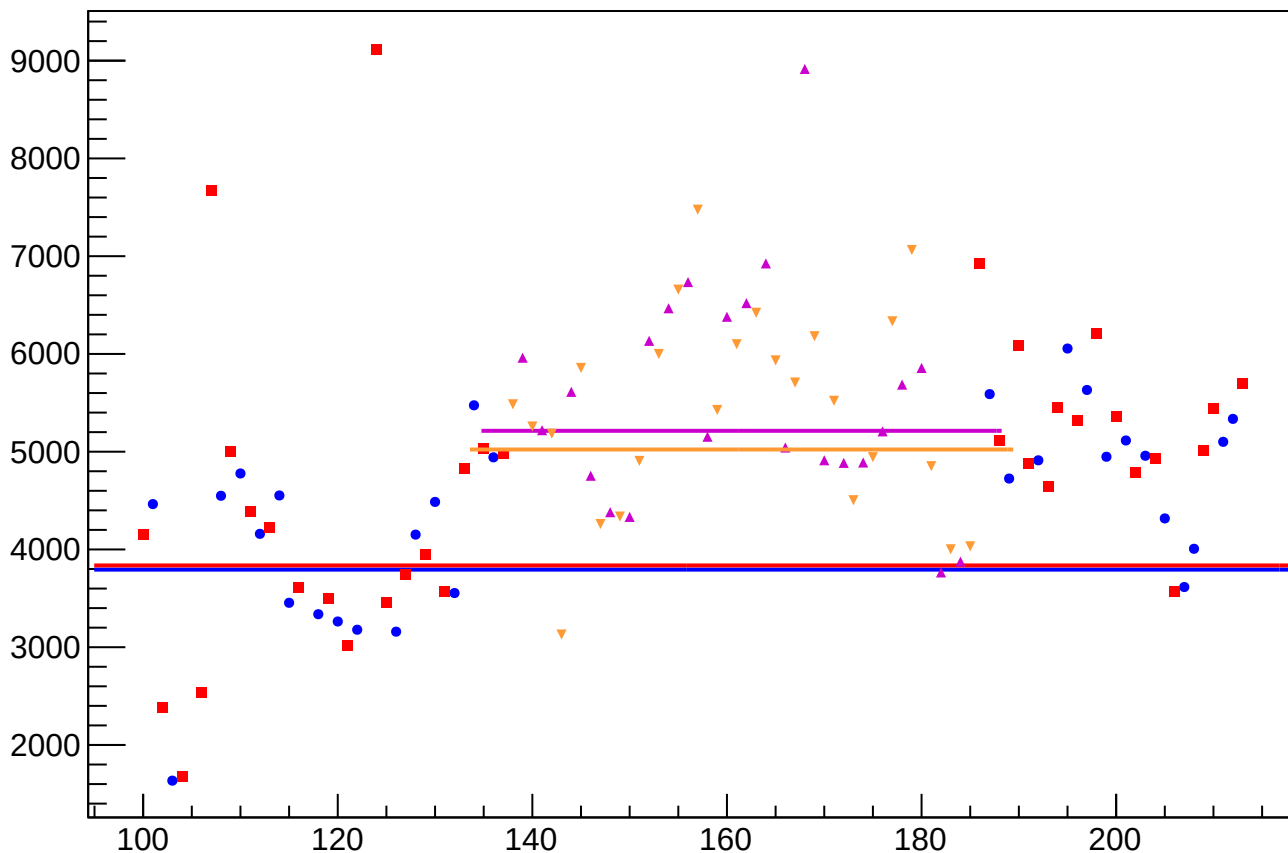
Left In: -2529.501 $\pm$ 1242.040 χ^2 /NDF:13.2/22

+ sign 1739.589 $\pm$ 744.677 χ^2 /NDF: 56.8/53

All: -158.854 $\pm$ 530.511 χ^2 /NDF: 137.7/110

- sign -2115.269 $\pm$ 755.962 χ^2 /NDF: 67.7/56

asym_atl_avg_rms vs Slug



Right In: 3793.778+/-0.682 χ^2/NDF : 3587890.5/28

Left Out: 5022.407+/-0.829 χ^2/NDF : 1676611.8/24

Right Out: 3836.304+/-0.667 χ^2/NDF : 4380473.1/33

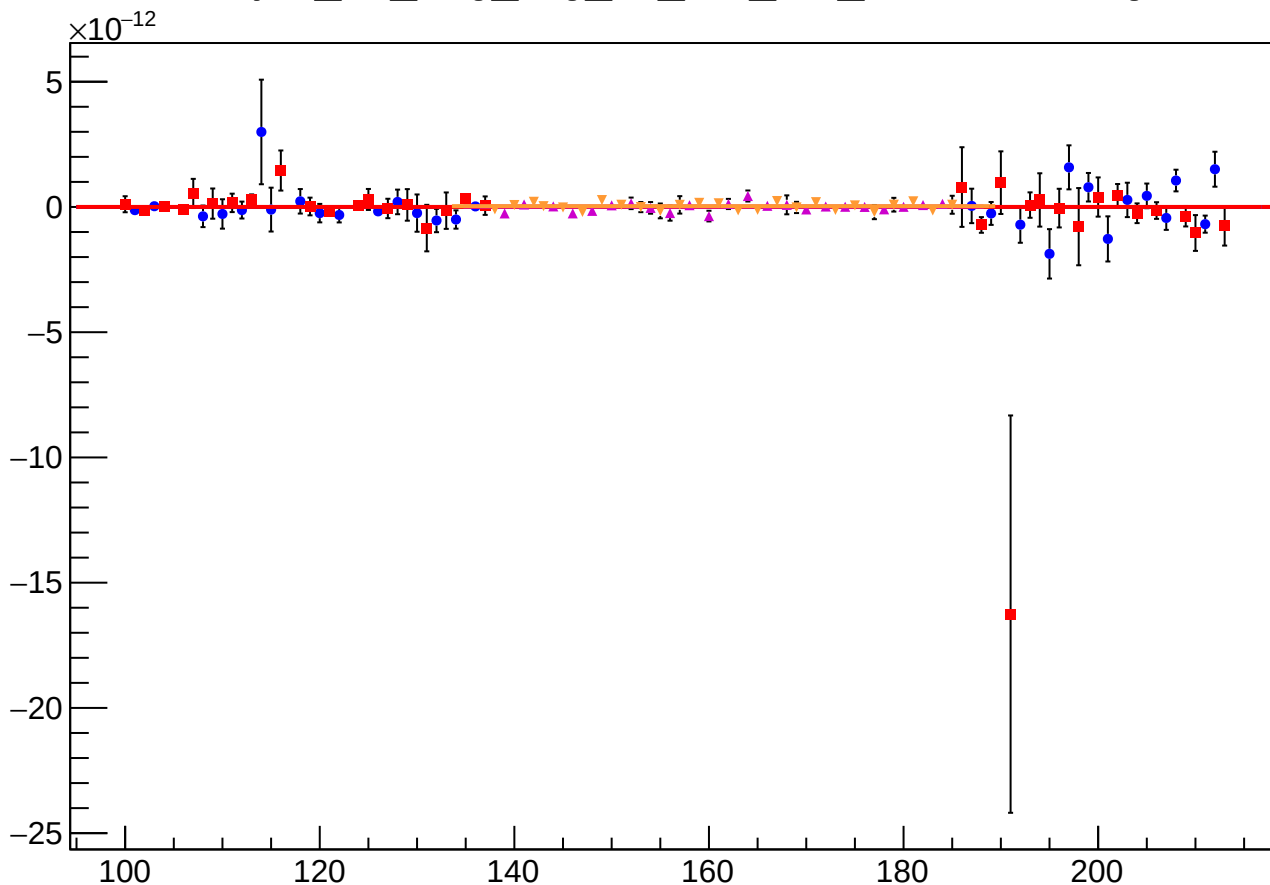
Left In: 5213.625+/-0.878 χ^2/NDF : 1223192.9/22

+ sign 4289.396+/-0.527 χ^2/NDF : 6574744.3/53

All: 4314.747+/-0.374 χ^2/NDF : 13742058.9/100

- sign 4340.566+/-0.531 χ^2/NDF : 7162636.2/56

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 31.5/33

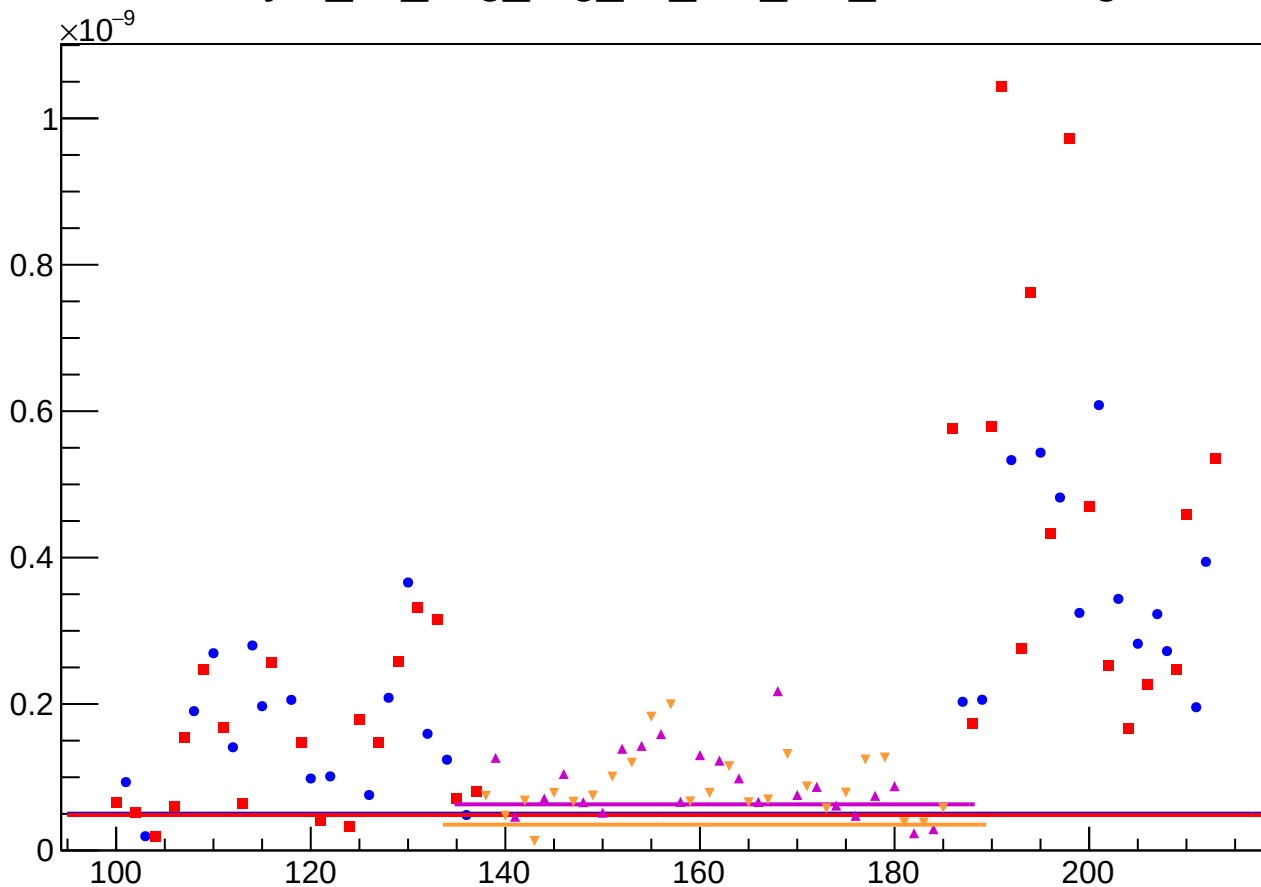
Left In: 0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 65.0/53

All: 0.000 ± 0.000 χ^2/NDF : 116.1/110

- sign 0.000 ± 0.000 χ^2/NDF : 50.8/56

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9428491.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10052841.8/33

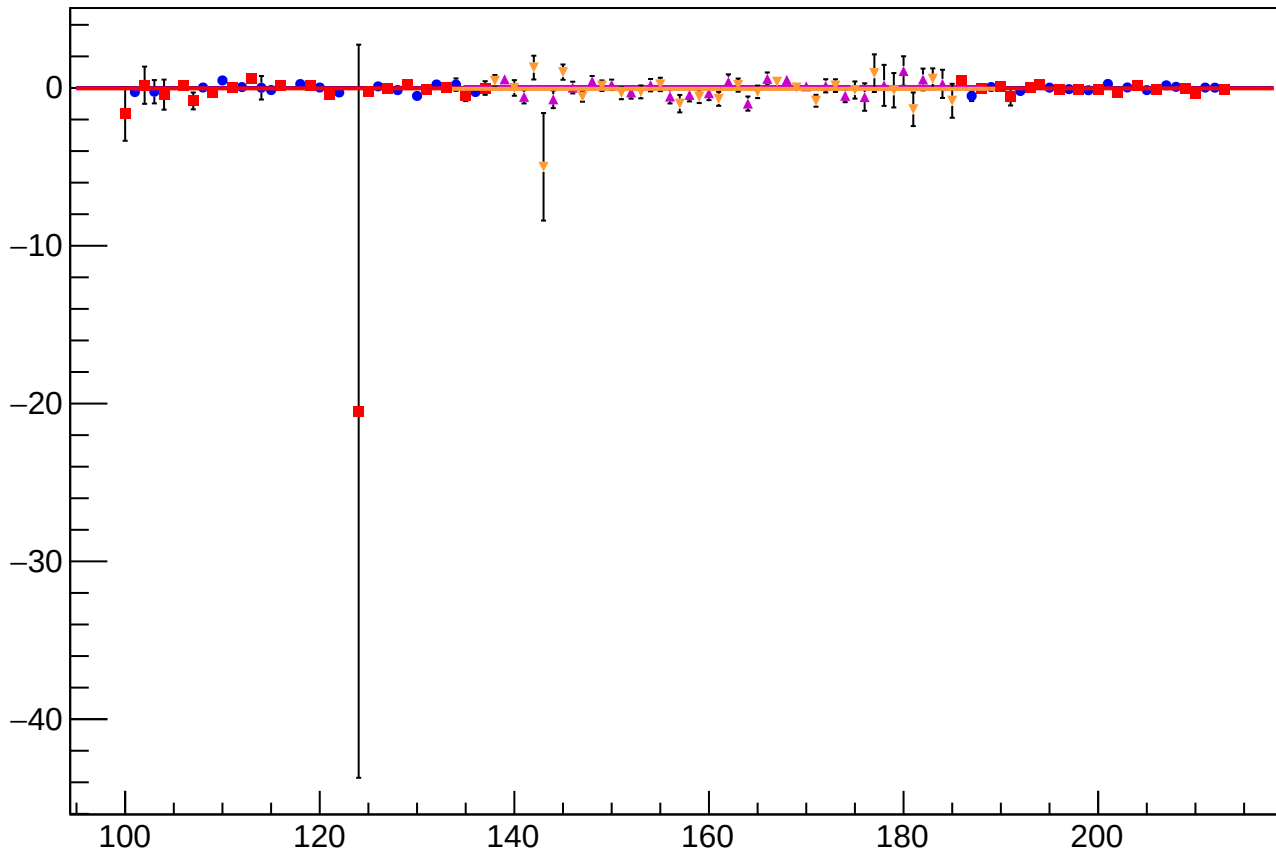
Left In: 0.000+/-0.000 χ^2/NDF : 2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 16251102.4/53

All: 0.000+/-0.000 χ^2/NDF : 30406000.9/110

- sign 0.000+/-0.000 χ^2/NDF : 13225380.2/56

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 $\pm$ 0.036 χ^2 /NDF: 26.8/28

Left Out: -0.054 $\pm$ 0.085 χ^2 /NDF: 33.1/24

Right Out: -0.026 $\pm$ 0.034 χ^2 /NDF: 35.9/33

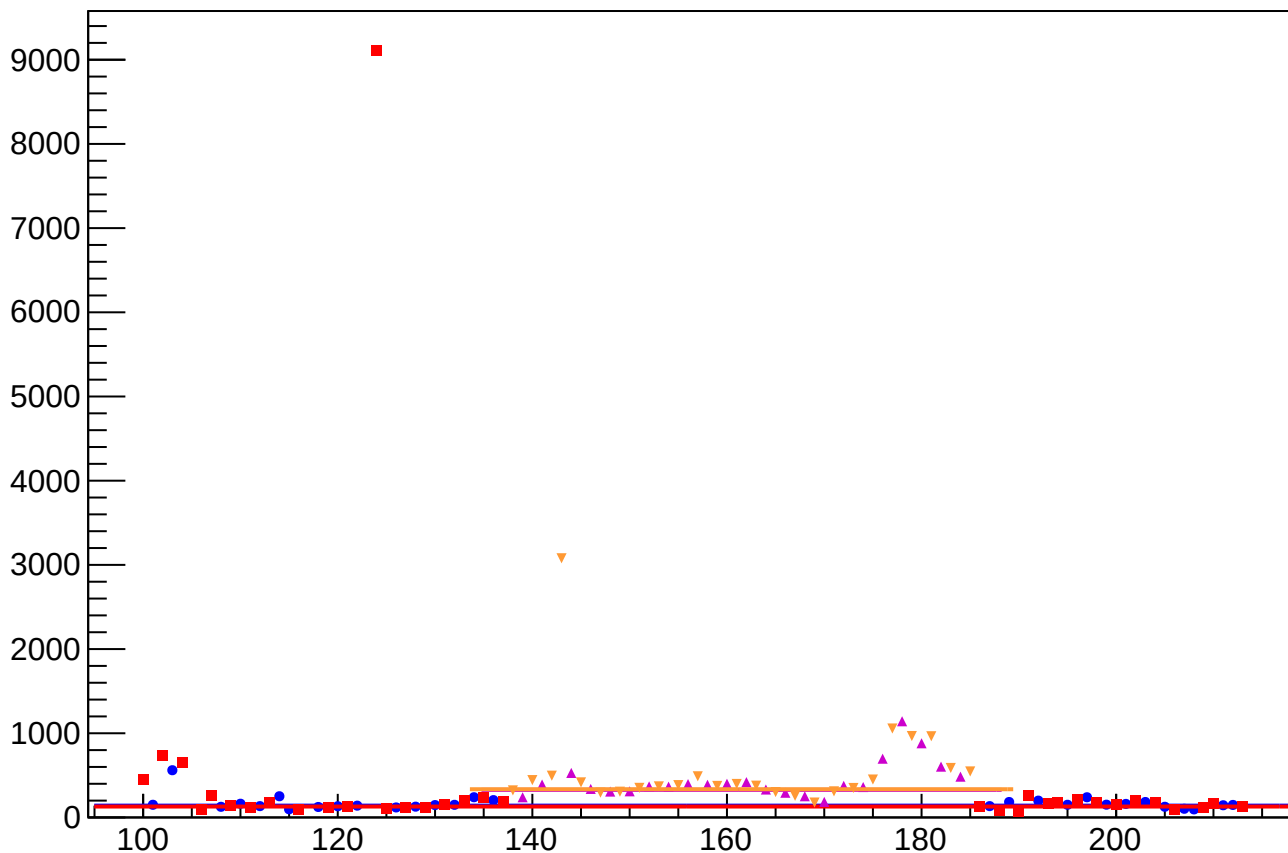
Left In: 0.063 $\pm$ 0.083 χ^2 /NDF: 28.0/22

+ sign -0.010 $\pm$ 0.034 χ^2 /NDF: 60.3/53

All: -0.012 $\pm$ 0.023 χ^2 /NDF: 125.2/110

- sign -0.013 $\pm$ 0.031 χ^2 /NDF: 64.9/56

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 140.553+/-0.026 χ^2/NDF : 2281596.1/28

Left Out: 335.166+/-0.060 χ^2/NDF : 5852083.8/24

Right Out: 129.713+/-0.024 χ^2/NDF : 4273317.8/33

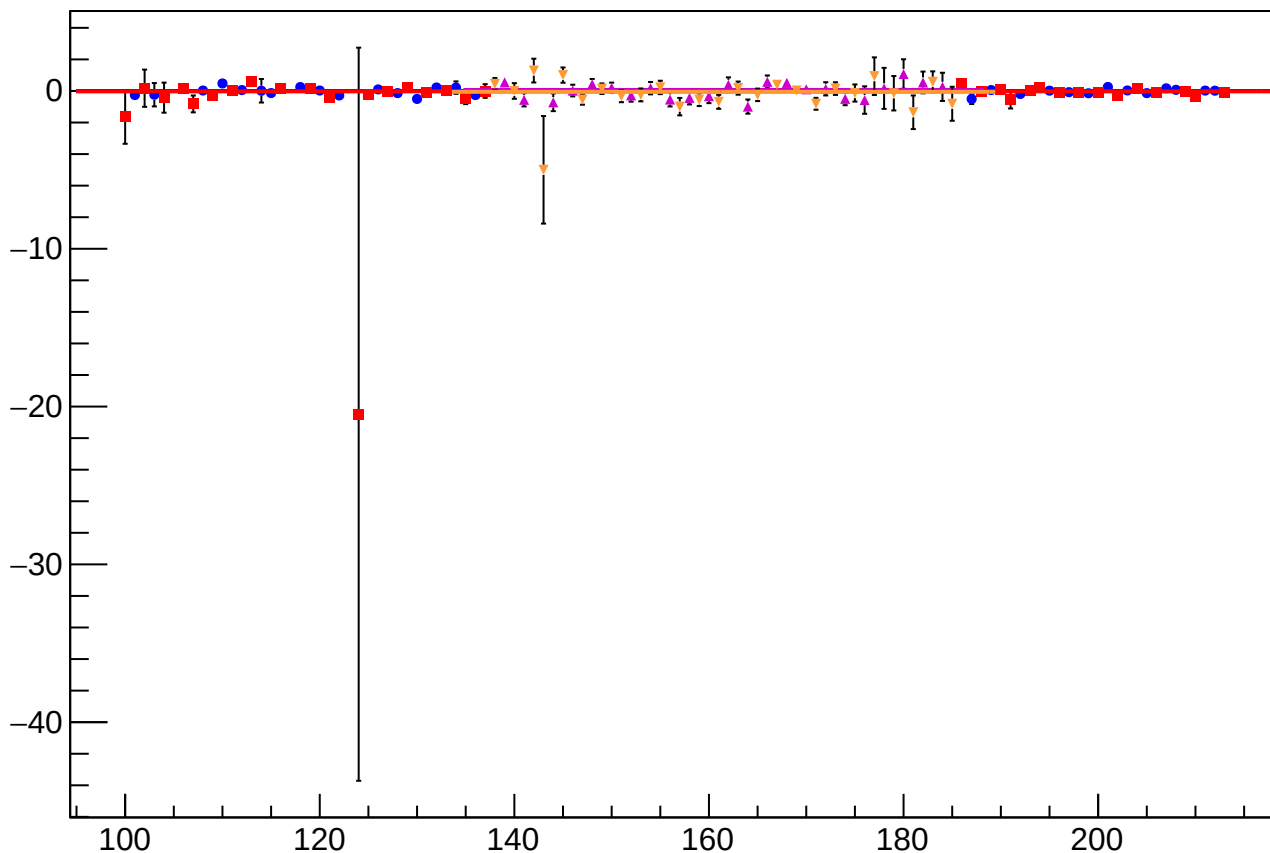
Left In: 327.572+/-0.059 χ^2/NDF : 4153081.9/22

+ sign 171.071+/-0.024 χ^2/NDF : 17055528.3/53

All: 163.944+/-0.016 χ^2/NDF : 35465587.2/11

- sign 157.779+/-0.022 χ^2/NDF : 18241282.7/56

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.036 χ^2/NDF : 26.8/28

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.026 ± 0.034 χ^2/NDF : 35.9/33

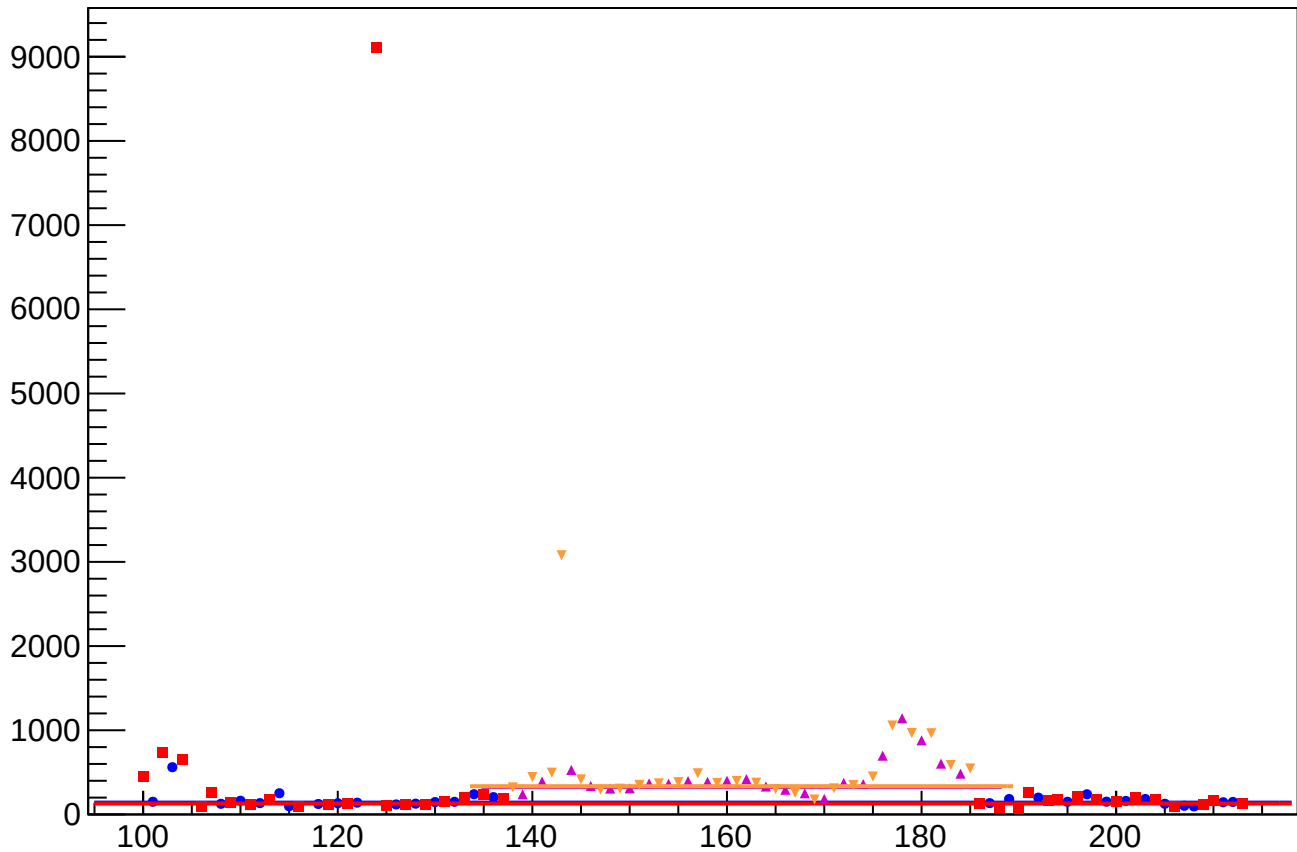
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.010 ± 0.034 χ^2/NDF : 60.3/53

All: -0.012 ± 0.023 χ^2/NDF : 125.2/110

- sign -0.013 ± 0.031 χ^2/NDF : 64.9/56

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.553+/-0.026 χ^2/NDF : 2281596.1/28

Left Out: 335.166+/-0.060 χ^2/NDF : 5852083.8/24

Right Out: 129.713+/-0.024 χ^2/NDF : 4273317.8/33

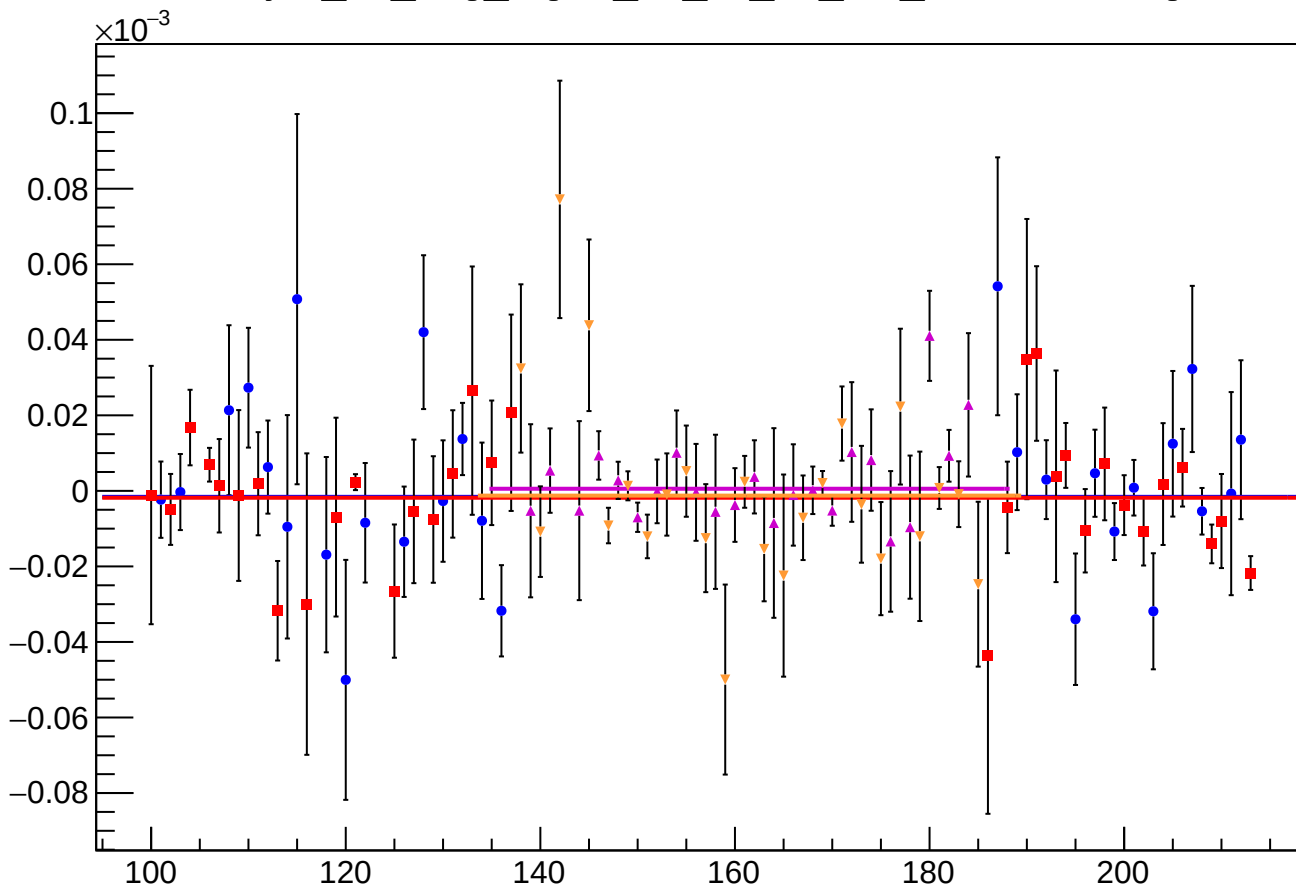
Left In: 327.572+/-0.059 χ^2/NDF : 4153081.9/22

+ sign 171.071+/-0.024 χ^2/NDF : 17055528.3/53

All: 163.944+/-0.016 χ^2/NDF : 35465587.2/11

- sign 157.779+/-0.022 χ^2/NDF : 18241282.7/56

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.5/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 35.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 56.1/32

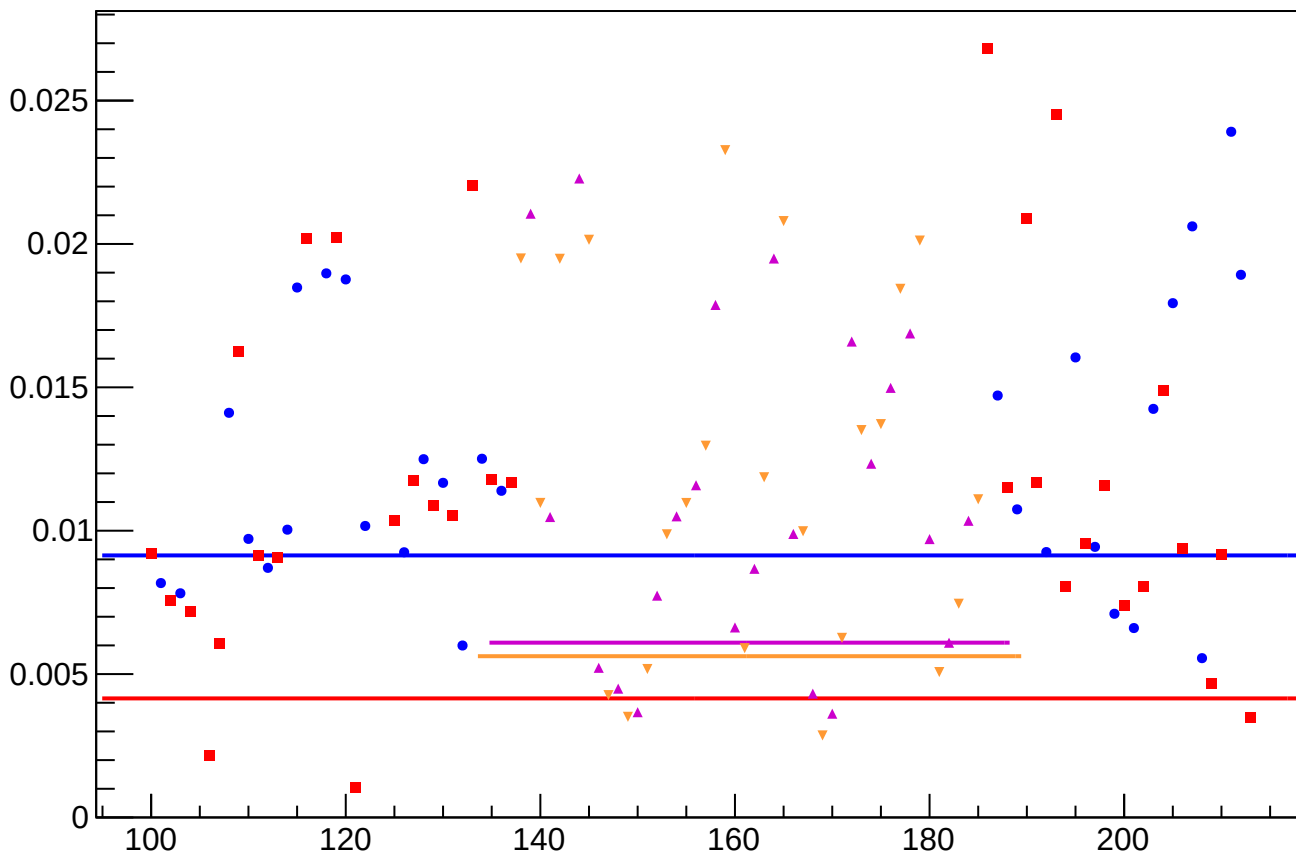
Left In: 0.000 ± 0.000 χ^2/NDF : 25.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 75.2/52

All: -0.000 ± 0.000 χ^2/NDF : 158.0/108

- sign -0.000 ± 0.000 χ^2/NDF : 82.7/55

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 4821332.6/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:11183743.0/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 16686372.3/32

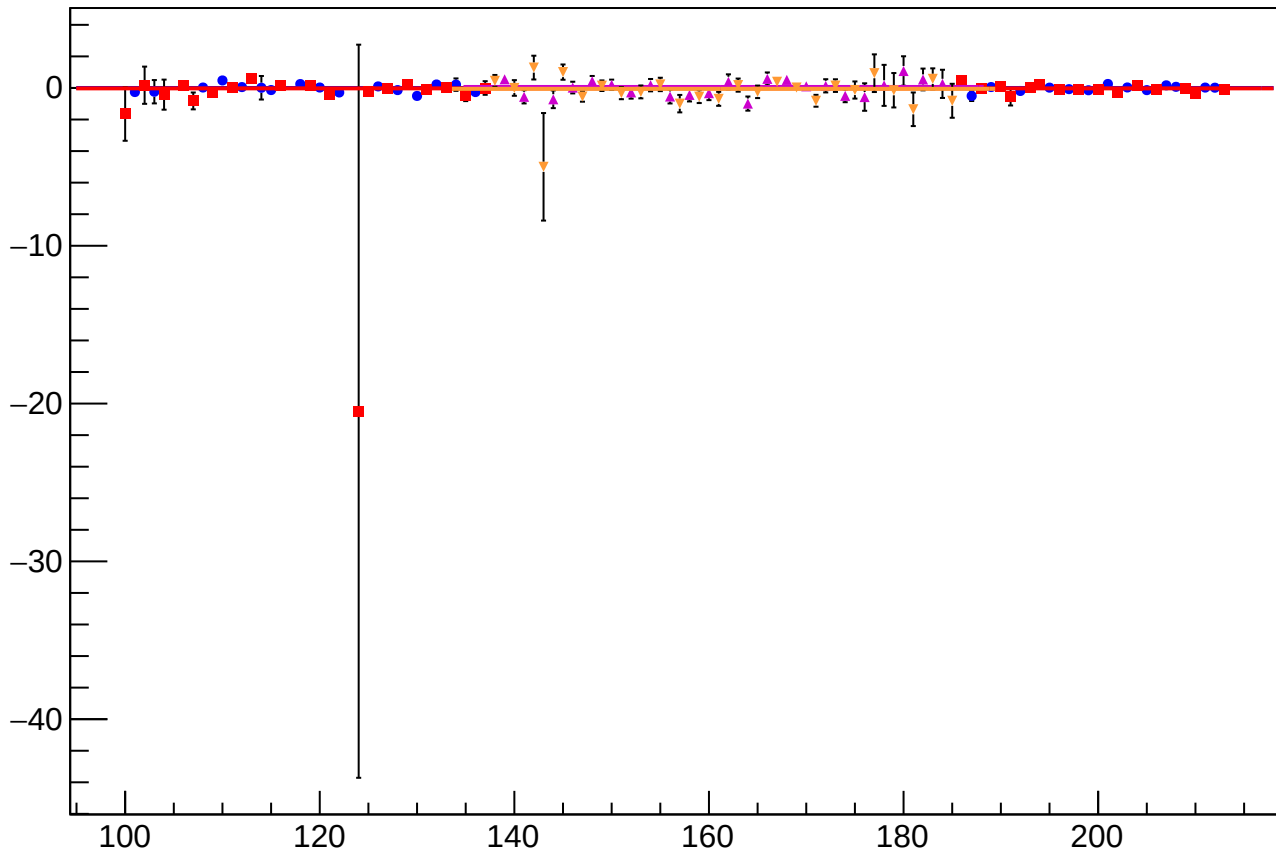
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:8798992.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 18928855.9/52

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 48091547.8/108

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 27014381.6/55

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.036 χ^2/NDF : 26.9/28

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.026 ± 0.034 χ^2/NDF : 35.9/33

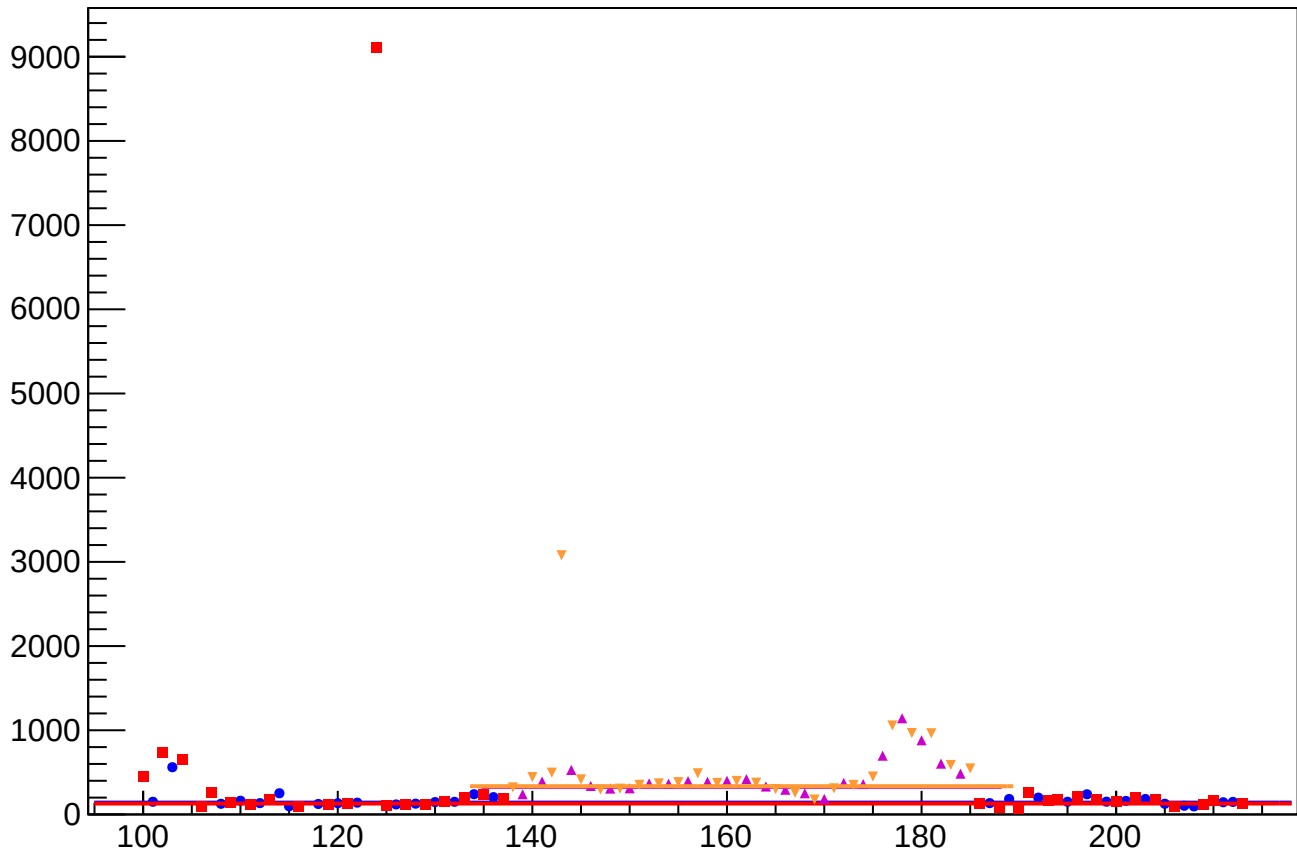
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.010 ± 0.034 χ^2/NDF : 60.3/53

All: -0.012 ± 0.023 χ^2/NDF : 125.2/110

- sign -0.013 ± 0.031 χ^2/NDF : 64.9/56

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 140.550+/-0.026 χ^2/NDF : 2281827.2/28

Left Out: 335.168+/-0.060 χ^2/NDF : 5852151.8/24

Right Out: 129.711+/-0.024 χ^2/NDF : 4273437.6/33

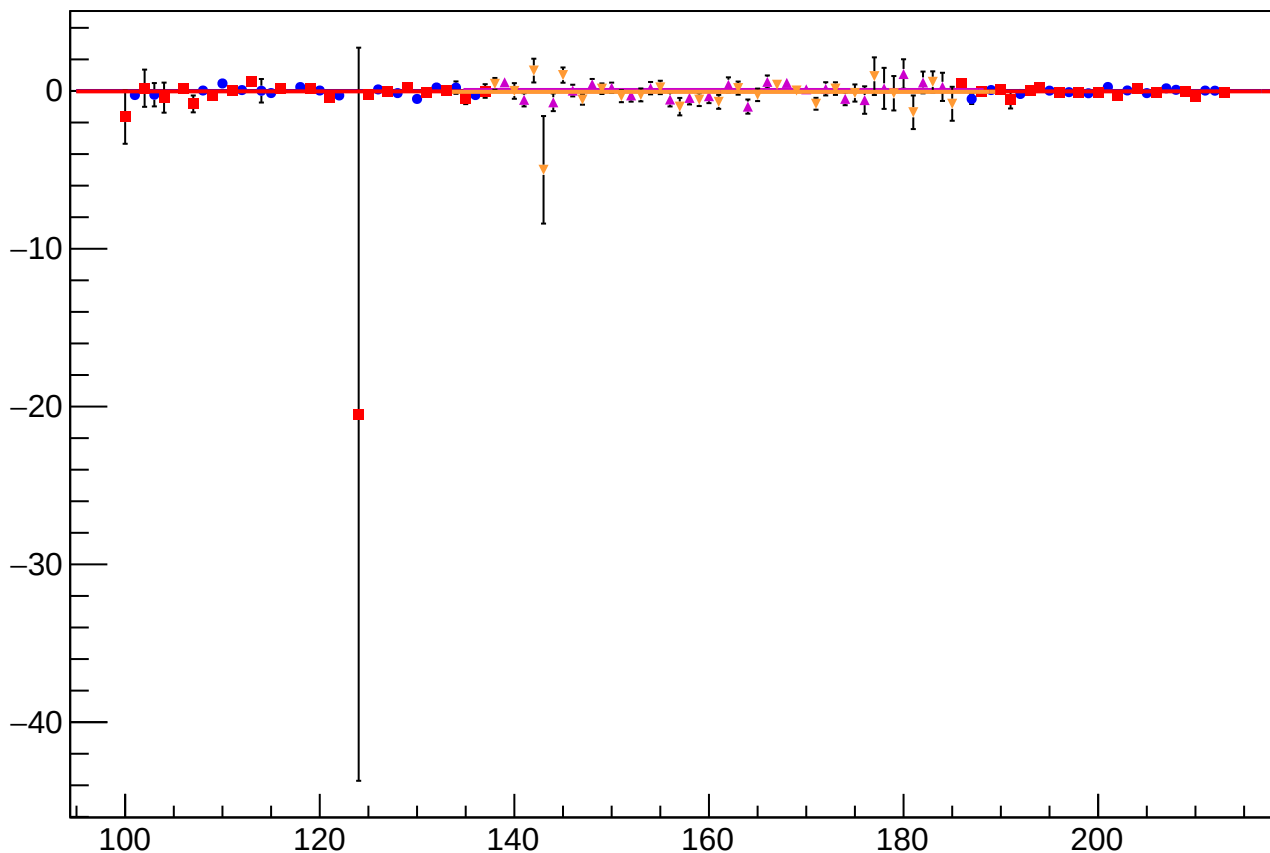
Left In: 327.575+/-0.059 χ^2/NDF : 4153087.6/22

+ sign 171.067+/-0.024 χ^2/NDF : 17056247.9/53

All: 163.941+/-0.016 χ^2/NDF : 35466796.6/11

- sign 157.776+/-0.022 χ^2/NDF : 18241794.6/56

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.036 χ^2/NDF : 26.9/28

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: -0.026 ± 0.034 χ^2/NDF : 35.9/33

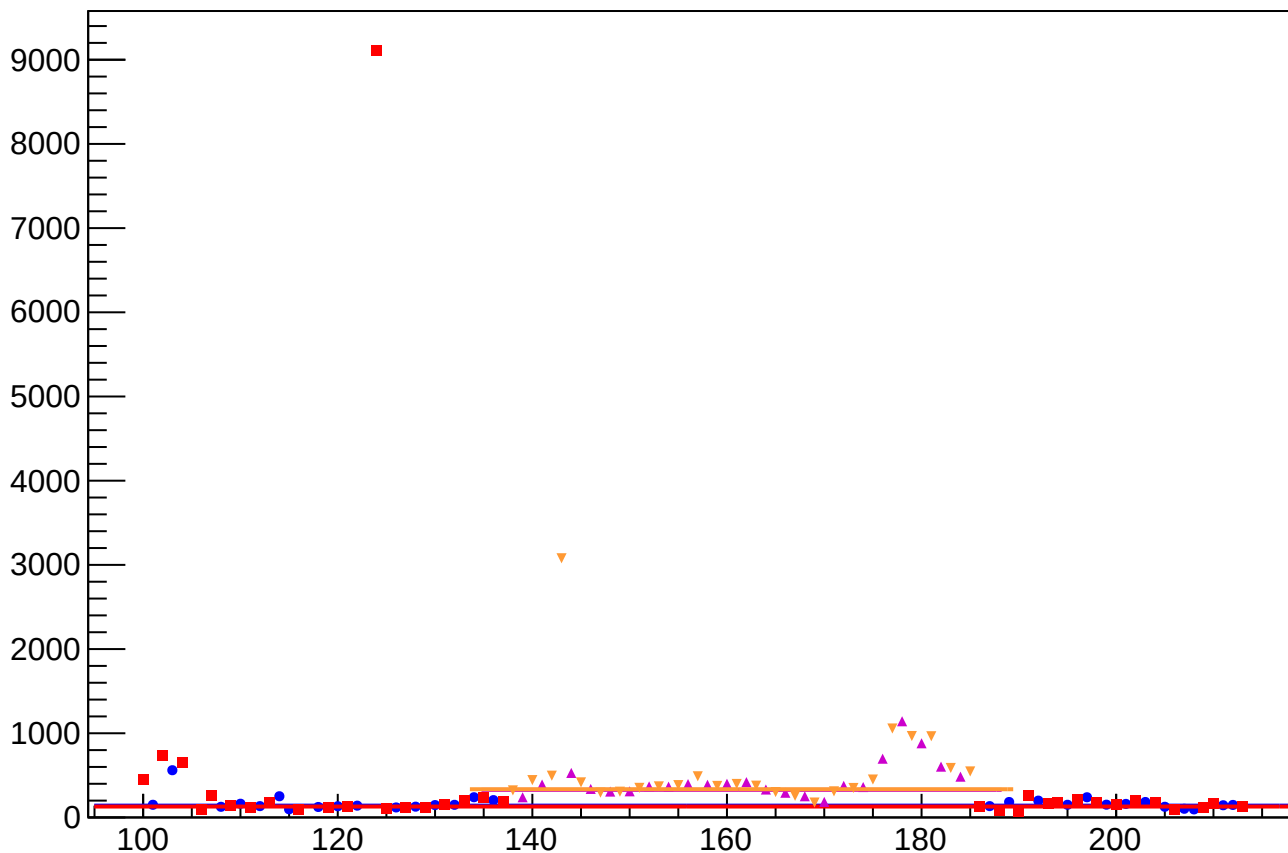
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.010 ± 0.034 χ^2/NDF : 60.3/53

All: -0.012 ± 0.023 χ^2/NDF : 125.2/110

- sign -0.013 ± 0.031 χ^2/NDF : 64.9/56

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.550+/-0.026 χ^2/NDF : 2281827.2/28

Left Out: 335.168+/-0.060 χ^2/NDF : 5852151.8/24

Right Out: 129.711+/-0.024 χ^2/NDF : 4273437.6/33

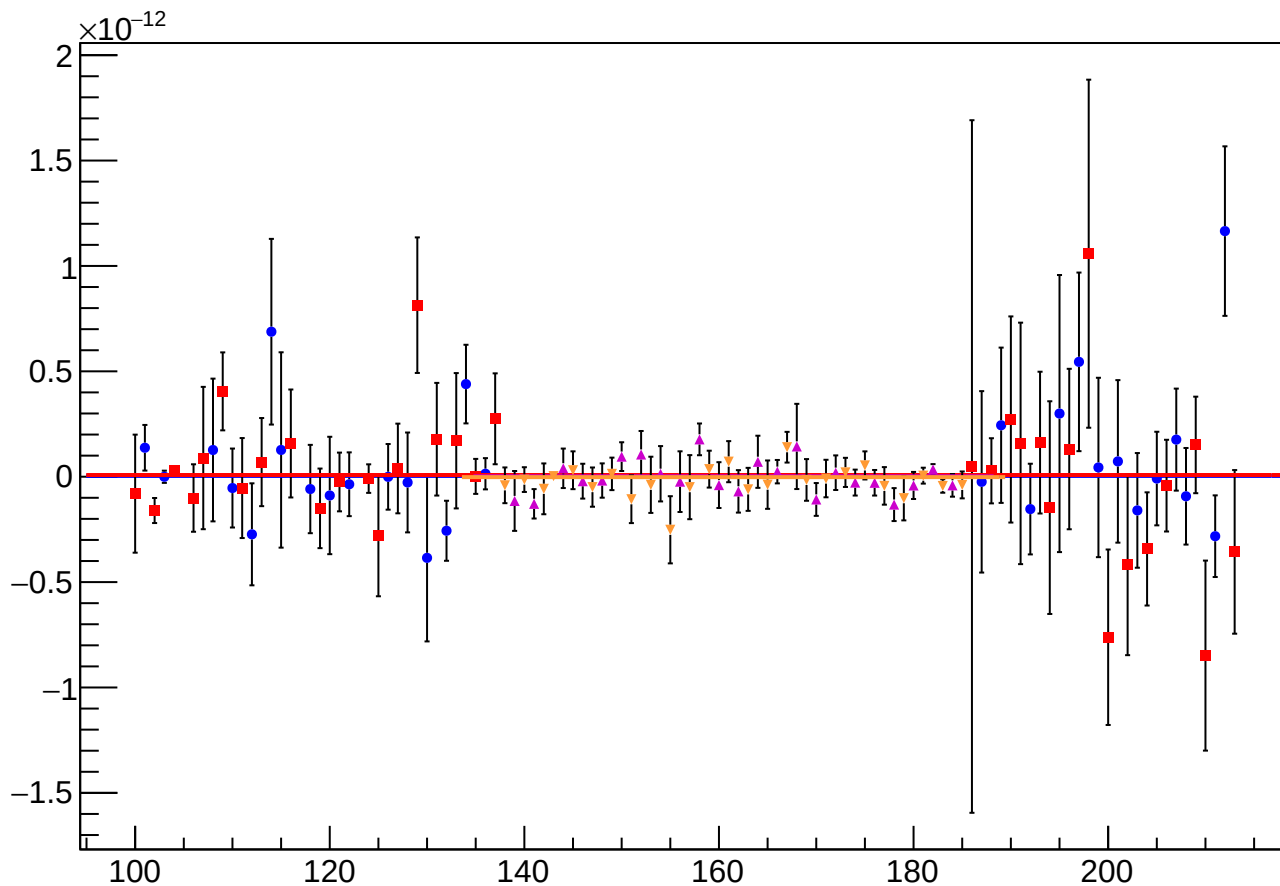
Left In: 327.575+/-0.059 χ^2/NDF : 4153087.6/22

+ sign 171.067+/-0.024 χ^2/NDF : 17056247.9/53

All: 163.941+/-0.016 χ^2/NDF : 35466796.6/11

- sign 157.776+/-0.022 χ^2/NDF : 18241794.6/56

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/33

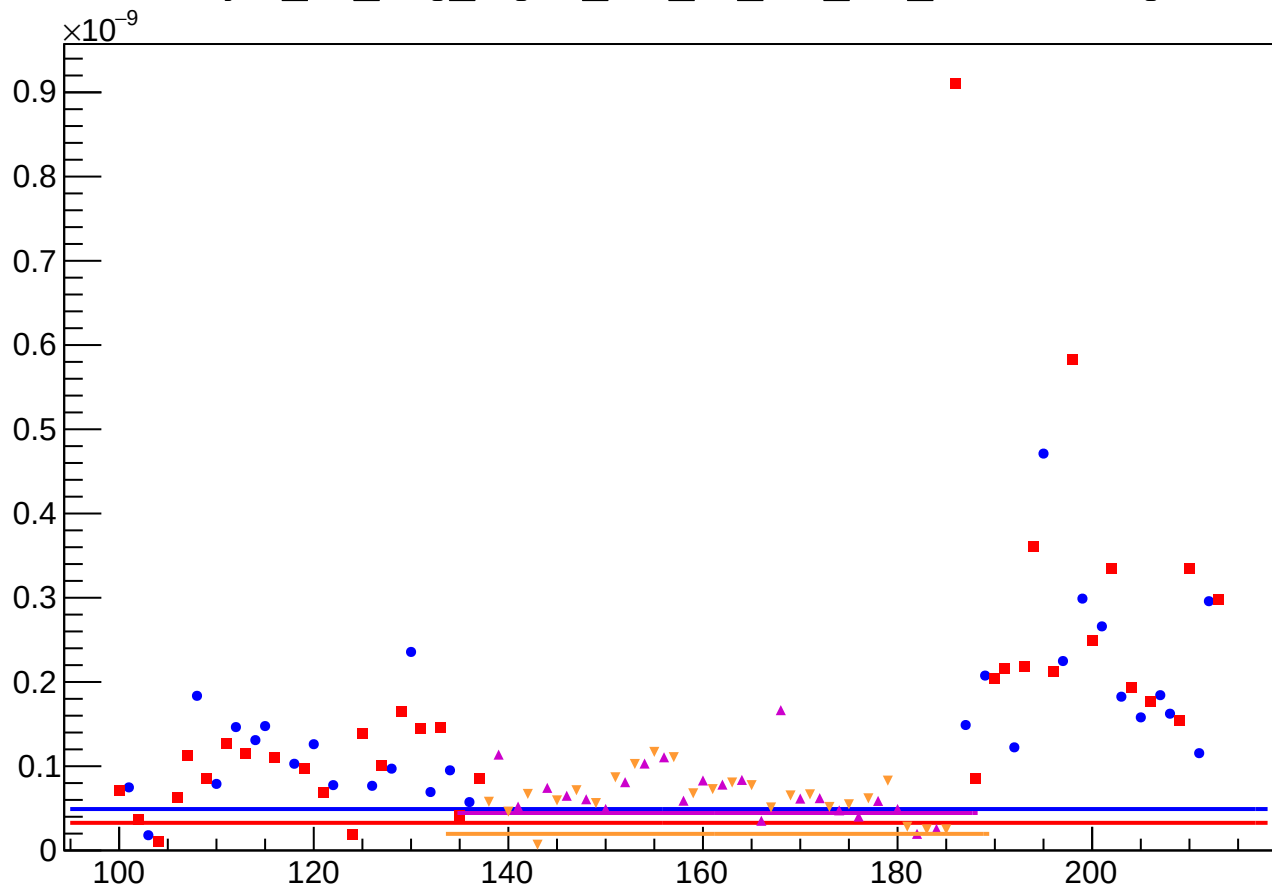
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 105.0/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.1/56

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10653984.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14609480.0/33

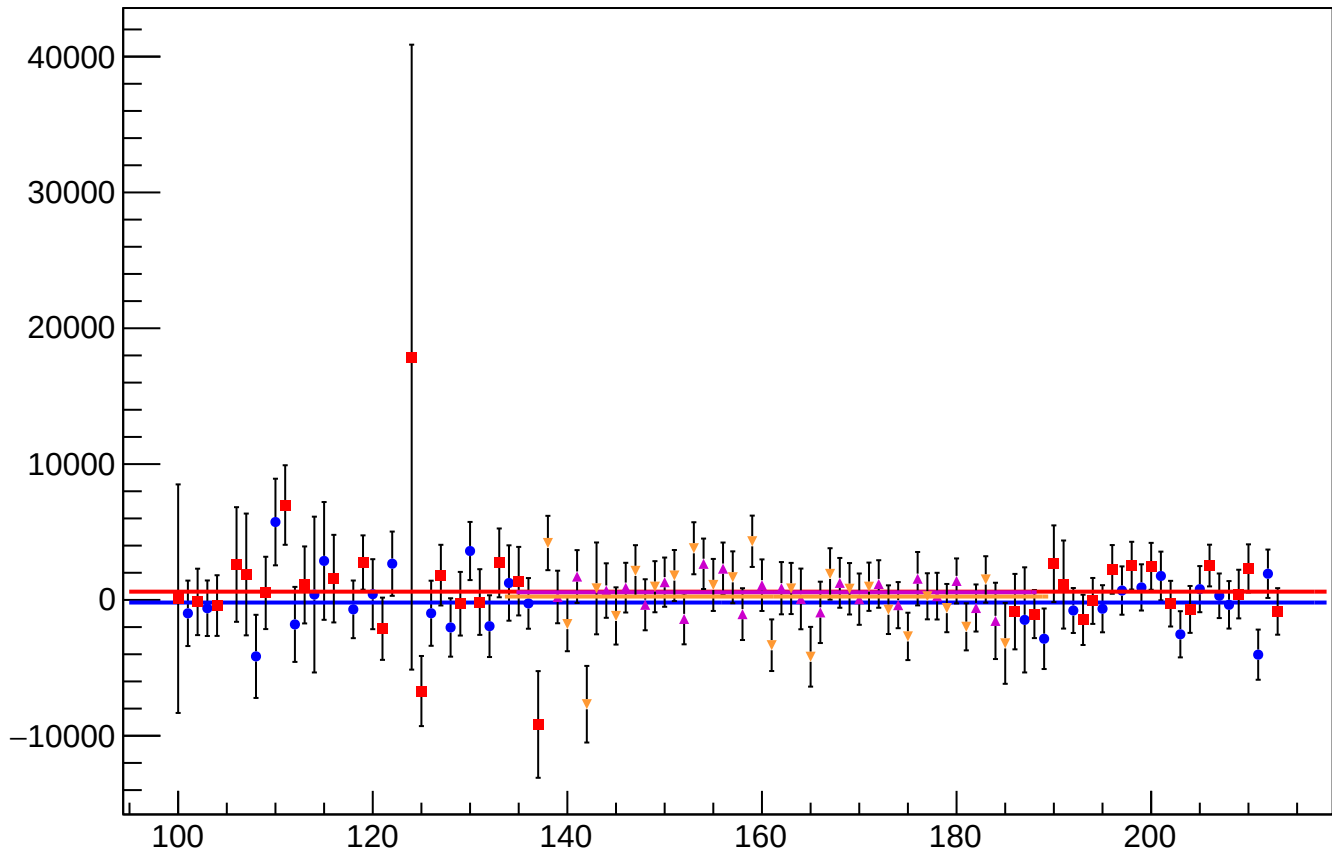
Left In: 0.000+/-0.000 χ^2/NDF : 5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 28464524.2/53

All: 0.000+/-0.000 χ^2/NDF : 52592917.3/110

- sign 0.000+/-0.000 χ^2/NDF : 21047269.9/56

reg_asym_atl_dd_mean vs Slug



Right In: -191.886 ± 391.022 χ^2/NDF : 24.2/28

Left Out: 248.233 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 609.384 ± 381.848 χ^2/NDF : 34.6/33

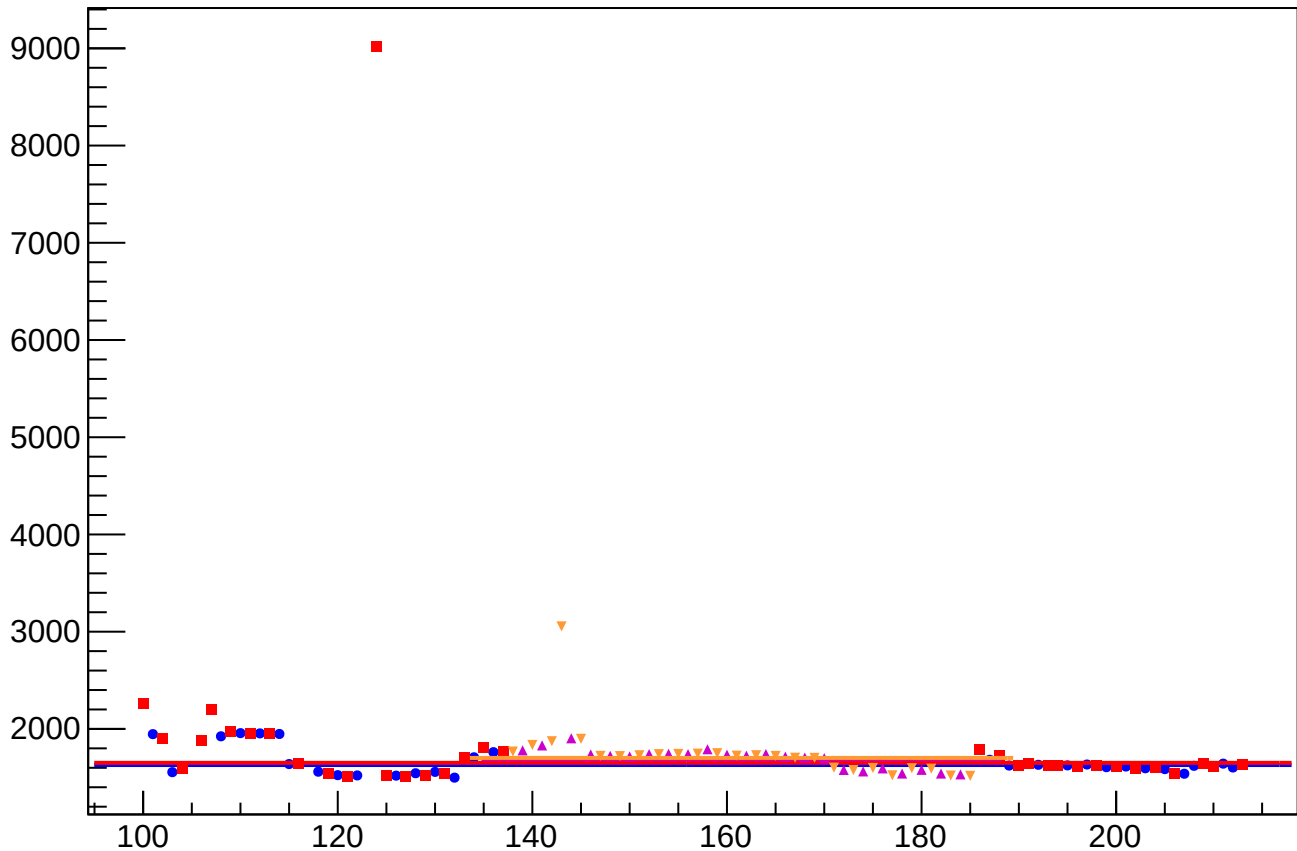
Left In: 559.995 ± 395.112 χ^2/NDF : 7.5/22

+ sign 29.412 ± 275.715 χ^2/NDF : 64.4/53

All: 308.622 ± 194.556 χ^2/NDF : 108.6/110

- sign 585.532 ± 274.577 χ^2/NDF : 42.1/56

reg_asym_atl_dd_rms vs Slug



Right In: 1628.524+/-0.276 χ^2/NDF : 157651.5/28

Left Out: 1701.583+/-0.275 χ^2/NDF : 452379.1/24

Right Out: 1651.077+/-0.270 χ^2/NDF : 422956.6/33

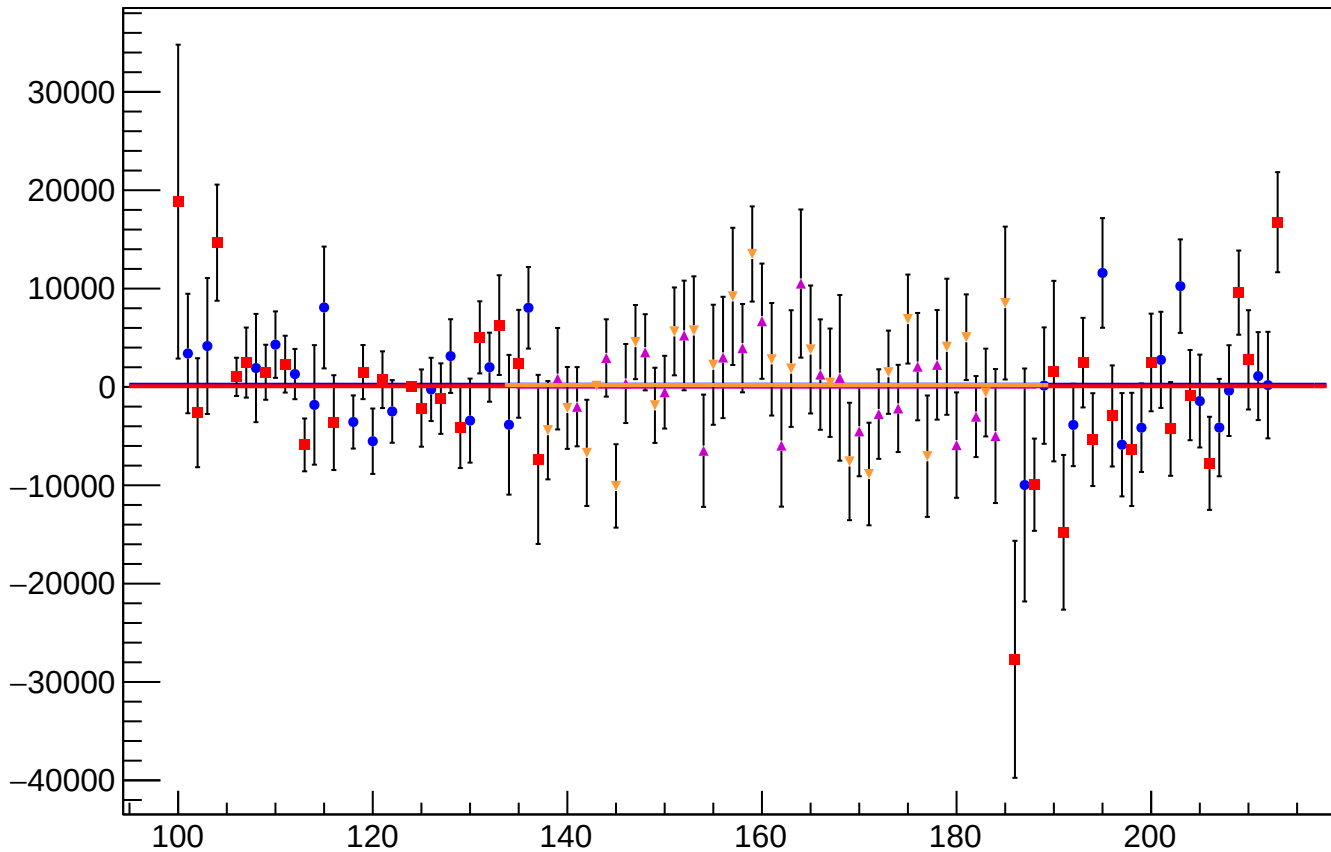
Left In: 1689.259+/-0.279 χ^2/NDF : 122317.9/22

+ sign 1665.259+/-0.195 χ^2/NDF : 645136.2/53

All: 1667.382+/-0.138 χ^2/NDF : 1200319.6/11

- sign 1669.484+/-0.194 χ^2/NDF : 554947.3/56

asym_atl_dd_reg_correction_mean vs Slug



Right In: 225.650 $\pm$ 791.558 χ^2 /NDF: 29.0/28

Left Out: 193.503 $\pm$ 343.131 χ^2 /NDF:33.9/24

Right Out: 70.951 $\pm$ 314.760 χ^2 /NDF: 57.3/33

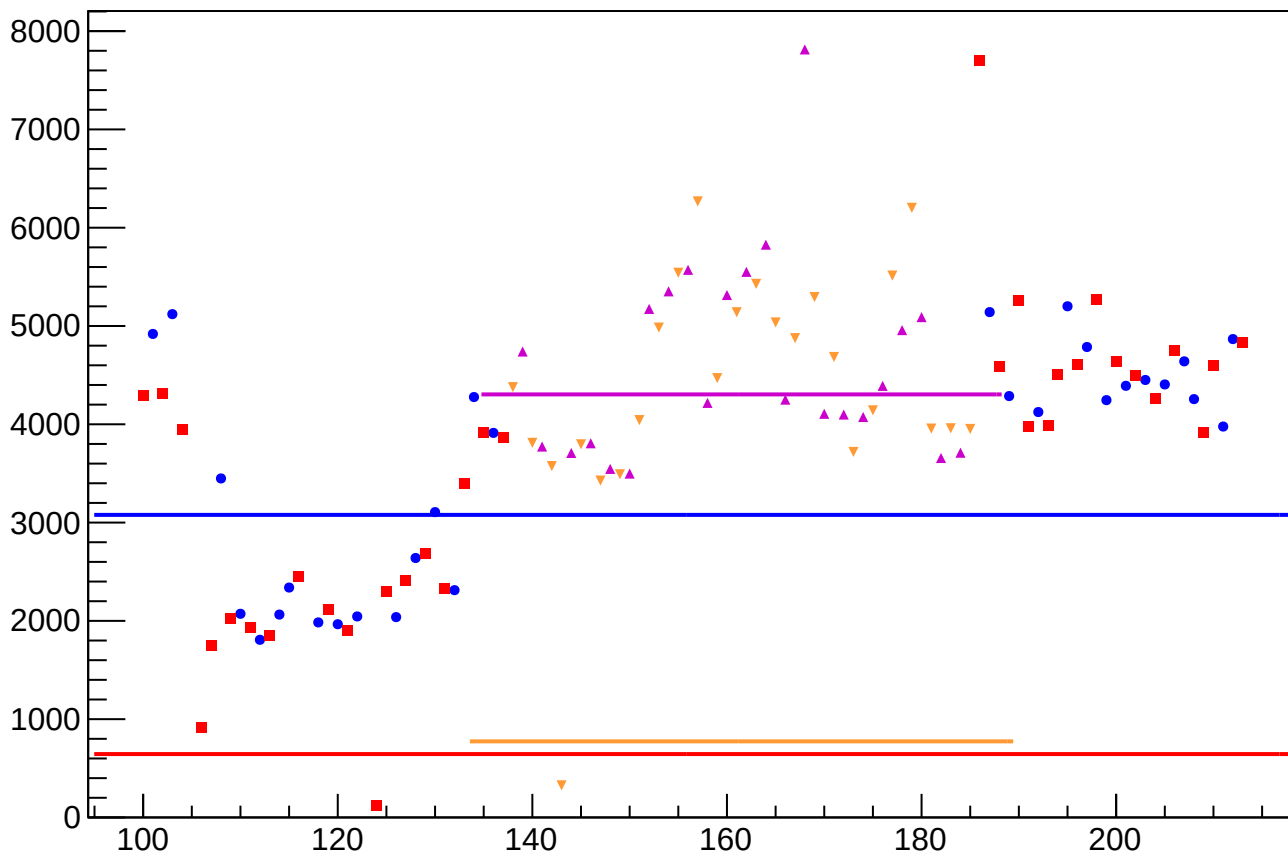
Left In: 28.728 $\pm$ 1025.481 χ^2 /NDF:13.3/22

+ sign 198.588 $\pm$ 314.824 χ^2 /NDF: 62.9/53

All: 129.986 $\pm$ 217.526 χ^2 /NDF: 133.7/110

- sign 67.316 $\pm$ 300.905 χ^2 /NDF: 70.6/56

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3078.333+/-0.560 χ^2/NDF : 4357367.7/28

Left Out: 774.232+/-0.243 χ^2/NDF : 28085586.8/24

Right Out: 644.866+/-0.223 χ^2/NDF : 28990876.4/33

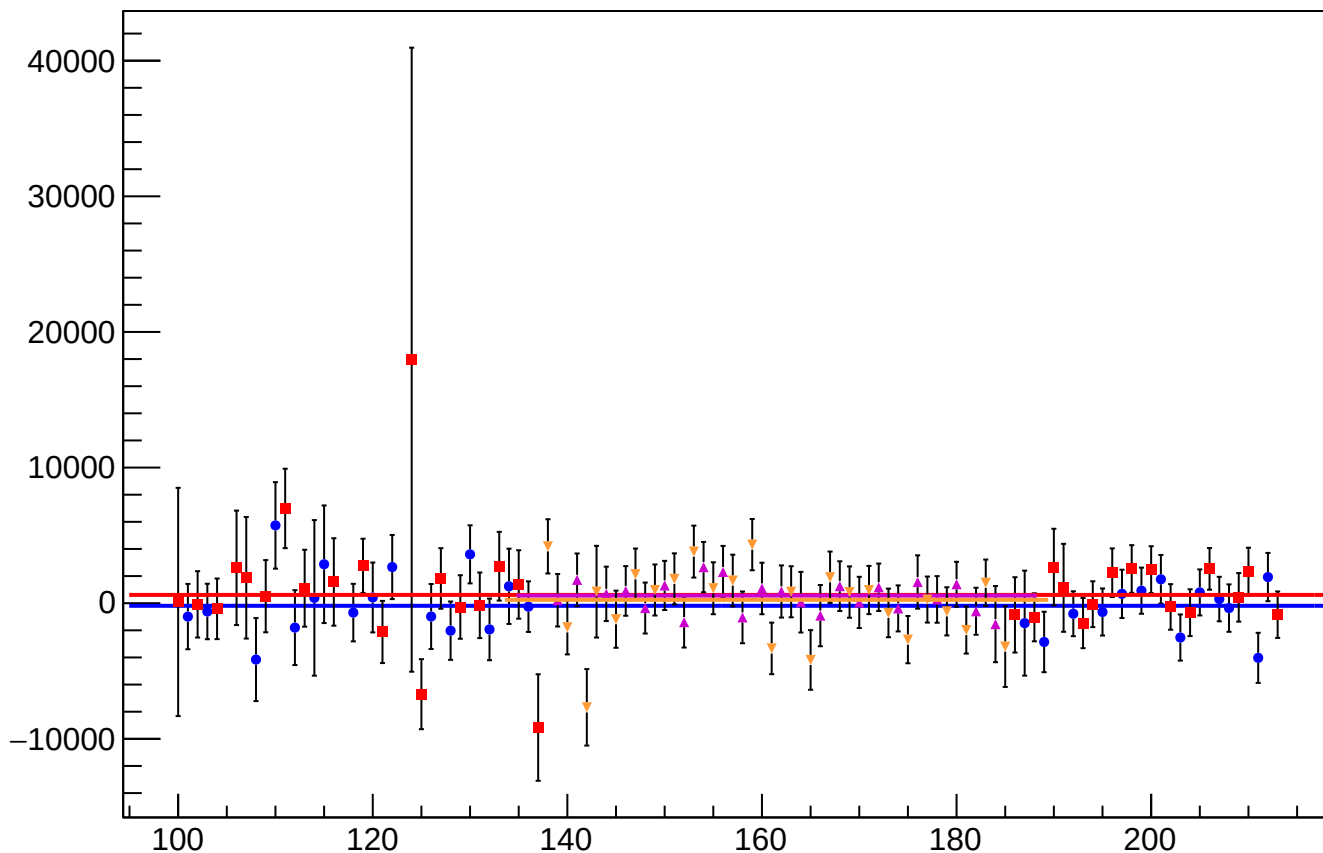
Left In: 4304.007+/-0.725 χ^2/NDF : 1216578.1/22

+ sign 1138.711+/-0.223 χ^2/NDF : 46708312.8/53

All: 1045.275+/-0.154 χ^2/NDF : 100524747.4

- sign 959.918+/-0.213 χ^2/NDF : 53479336.1/56

cor_asym_atl_dd_mean vs Slug



Right In: -191.822 ± 391.022 χ^2/NDF : 24.2/28

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 610.930 ± 381.850 χ^2/NDF : 34.6/33

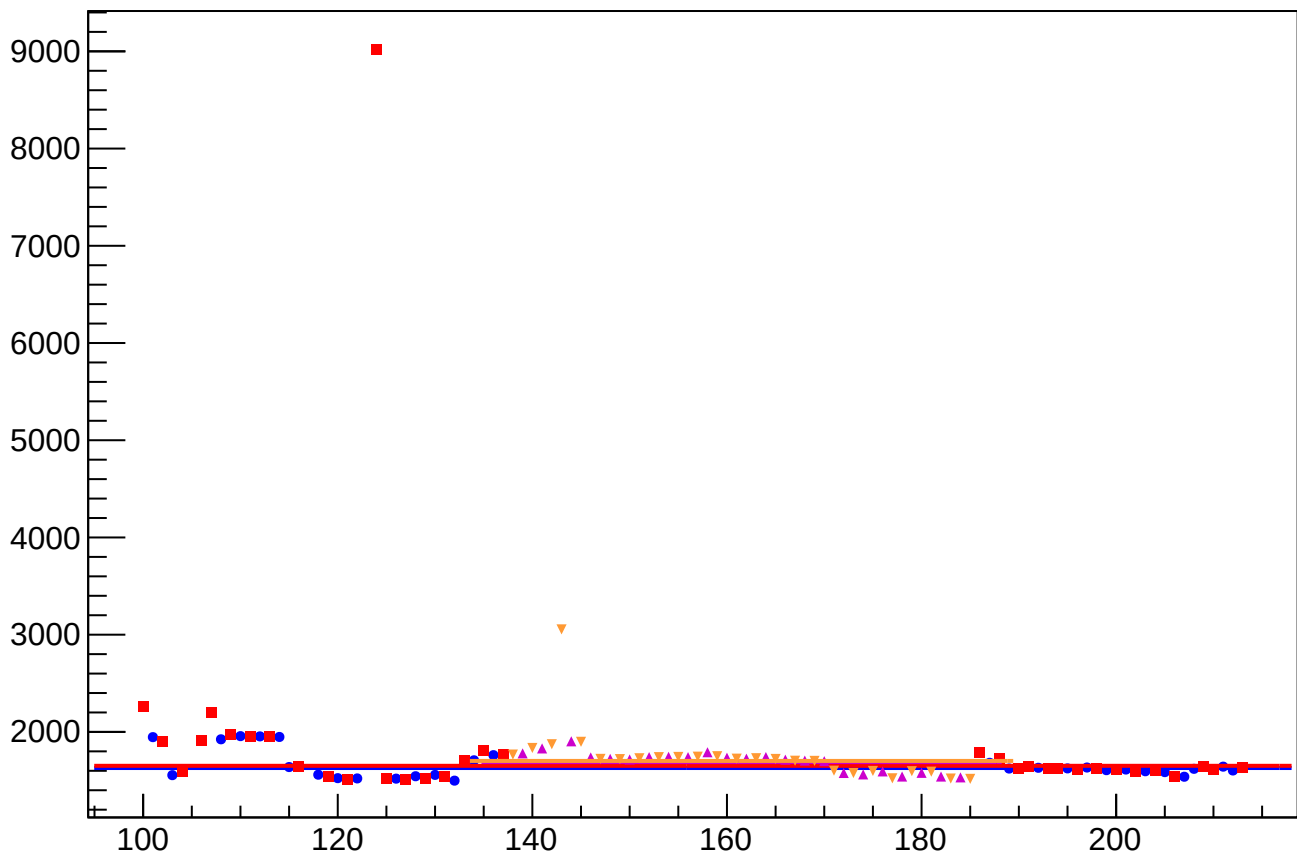
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 29.436 ± 275.715 χ^2/NDF : 64.4/53

All: 309.026 ± 194.557 χ^2/NDF : 108.6/110

- sign 586.315 ± 274.577 χ^2/NDF : 42.1/56

cor_asym_atl_dd_rms vs Slug



Right In: 1628.524 $\pm$ 0.276 χ^2 /NDF: 157651.5/28

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1651.351 $\pm$ 0.270 χ^2 /NDF: 425062.6/33

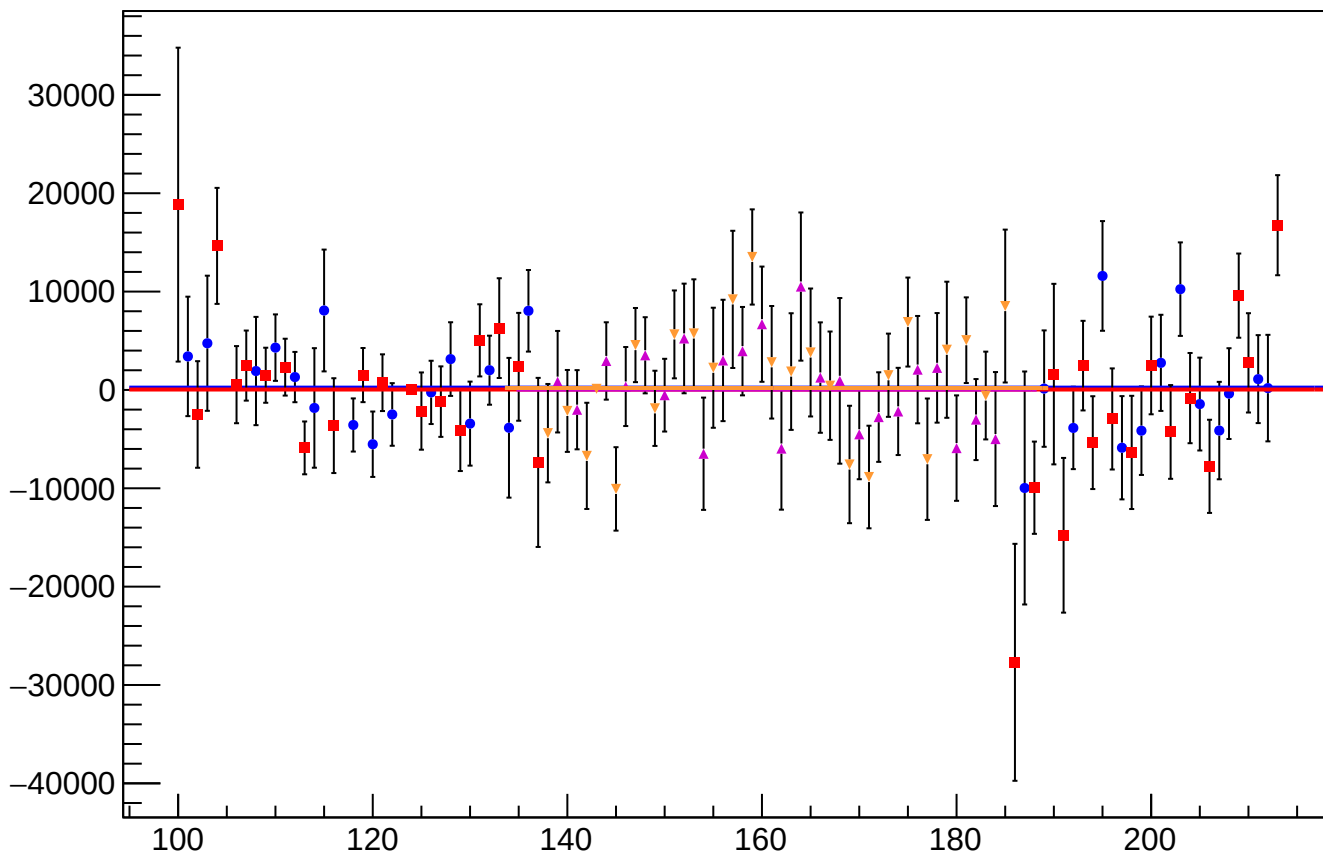
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1665.259 $\pm$ 0.195 χ^2 /NDF: 645136.3/53

All: 1667.455 $\pm$ 0.138 χ^2 /NDF: 1202302.1/11

- sign 1669.630 $\pm$ 0.194 χ^2 /NDF: 556913.3/56

asym_atl_dd_cor_correction_mean vs Slug



Right In: 234.236 $\pm$ 791.492 χ^2 /NDF: 29.1/28

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF:33.9/24

Right Out: 41.857 $\pm$ 307.430 χ^2 /NDF: 57.1/33

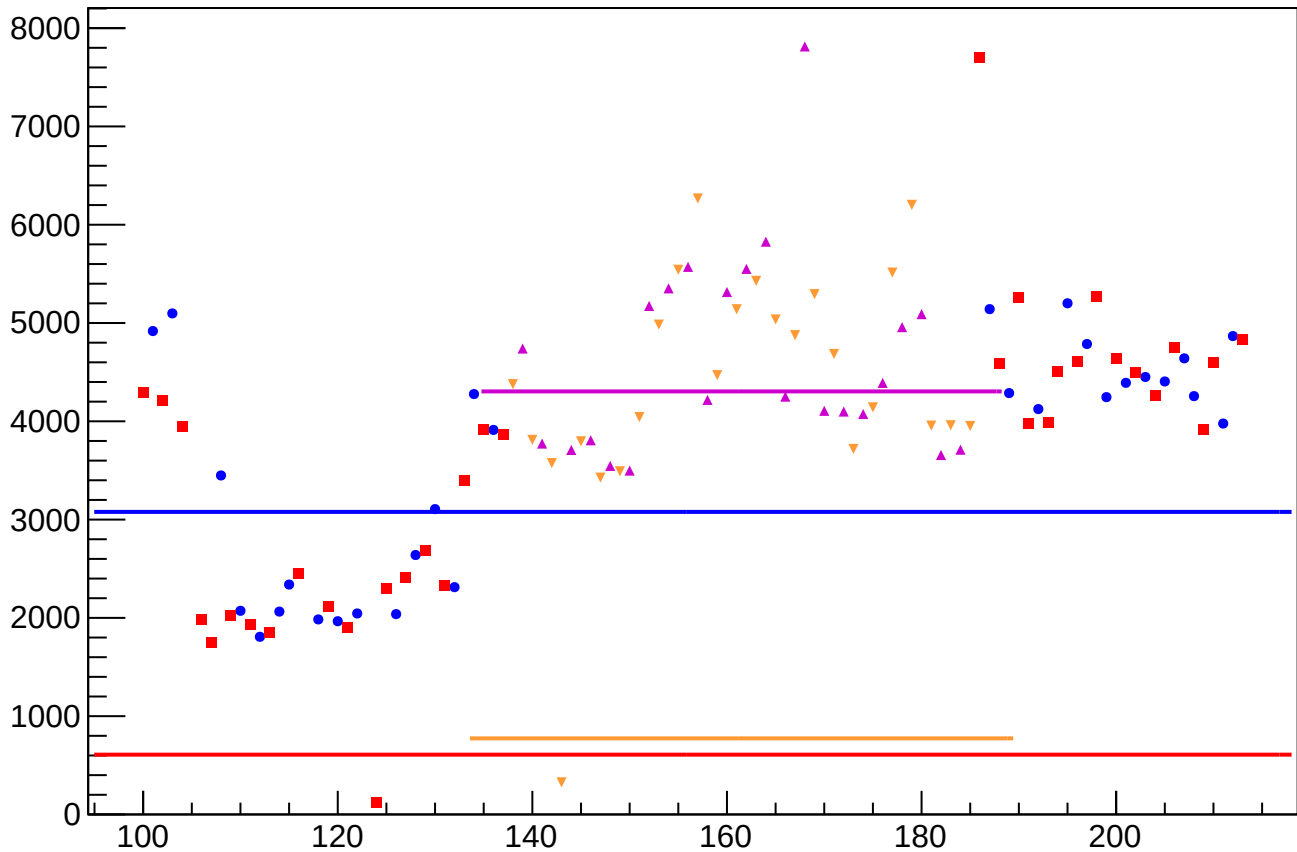
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF:13.3/22

+ sign 200.294 $\pm$ 314.802 χ^2 /NDF: 63.0/53

All: 115.221 $\pm$ 215.055 χ^2 /NDF: 133.6/110

- sign 40.777 $\pm$ 294.482 χ^2 /NDF: 70.4/56

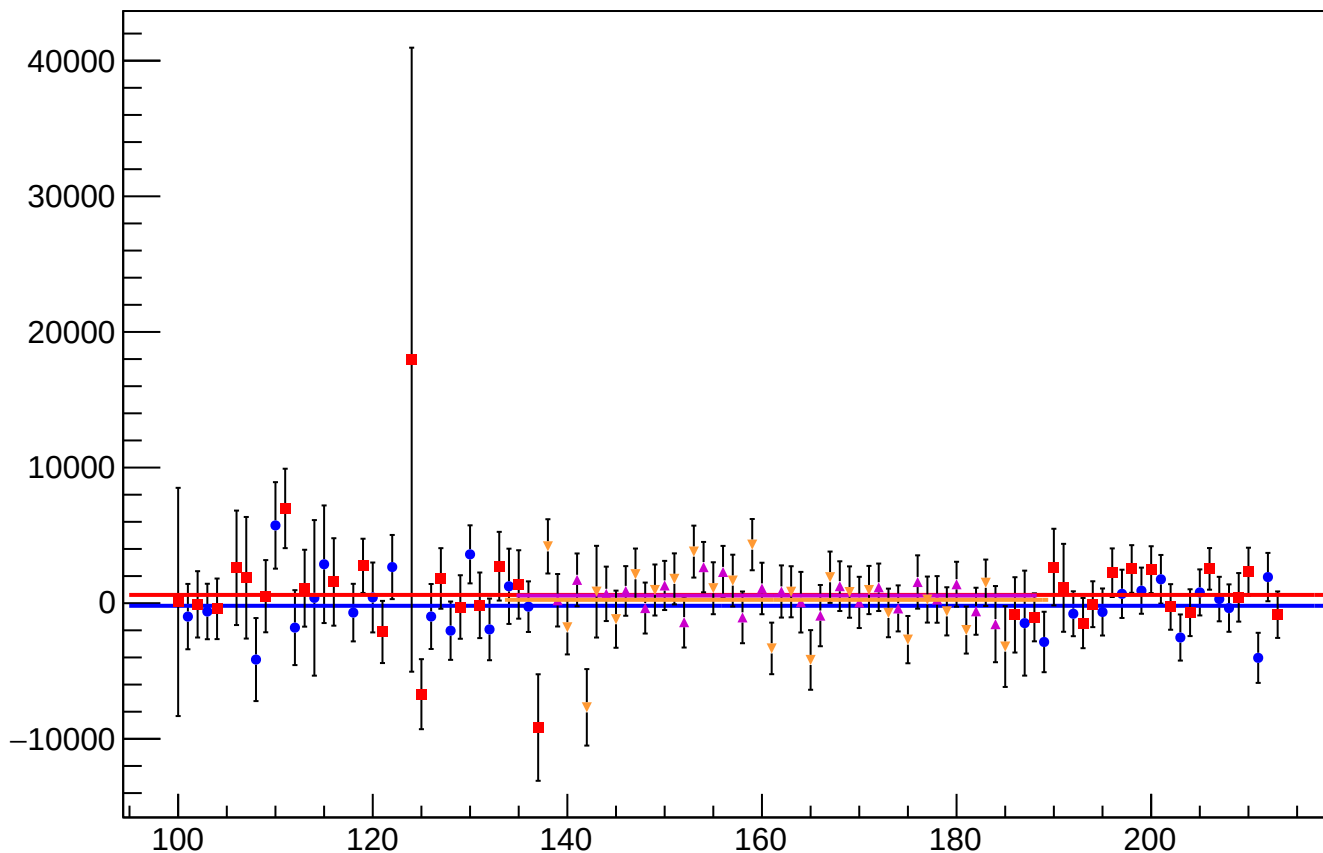
asym_atl_dd_cor_correction_rms vs Slug



Right In: 3078.337 $\pm$ 0.560 χ^2 /NDF: 4355432.0/28
 Left Out: 774.143 $\pm$ 0.243 χ^2 /NDF:28086455.1/24
 Right Out: 608.340 $\pm$ 0.217 χ^2 /NDF: 29620023.2/33
 Left In: 4304.001 $\pm$ 0.725 χ^2 /NDF:1216572.3/22

+ sign 1138.645 $\pm$ 0.223 χ^2 /NDF: 46710727.4/53
 All: 1018.358 $\pm$ 0.152 χ^2 /NDF: 101928111.3
 - sign 913.098 $\pm$ 0.208 χ^2 /NDF: 54669849.1/56

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -191.822+/-391.022 χ^2/NDF : 24.2/28

Left Out: 248.216+/-388.827 χ^2/NDF : 39.6/24

Right Out: 610.930+/-381.850 χ^2/NDF : 34.6/33

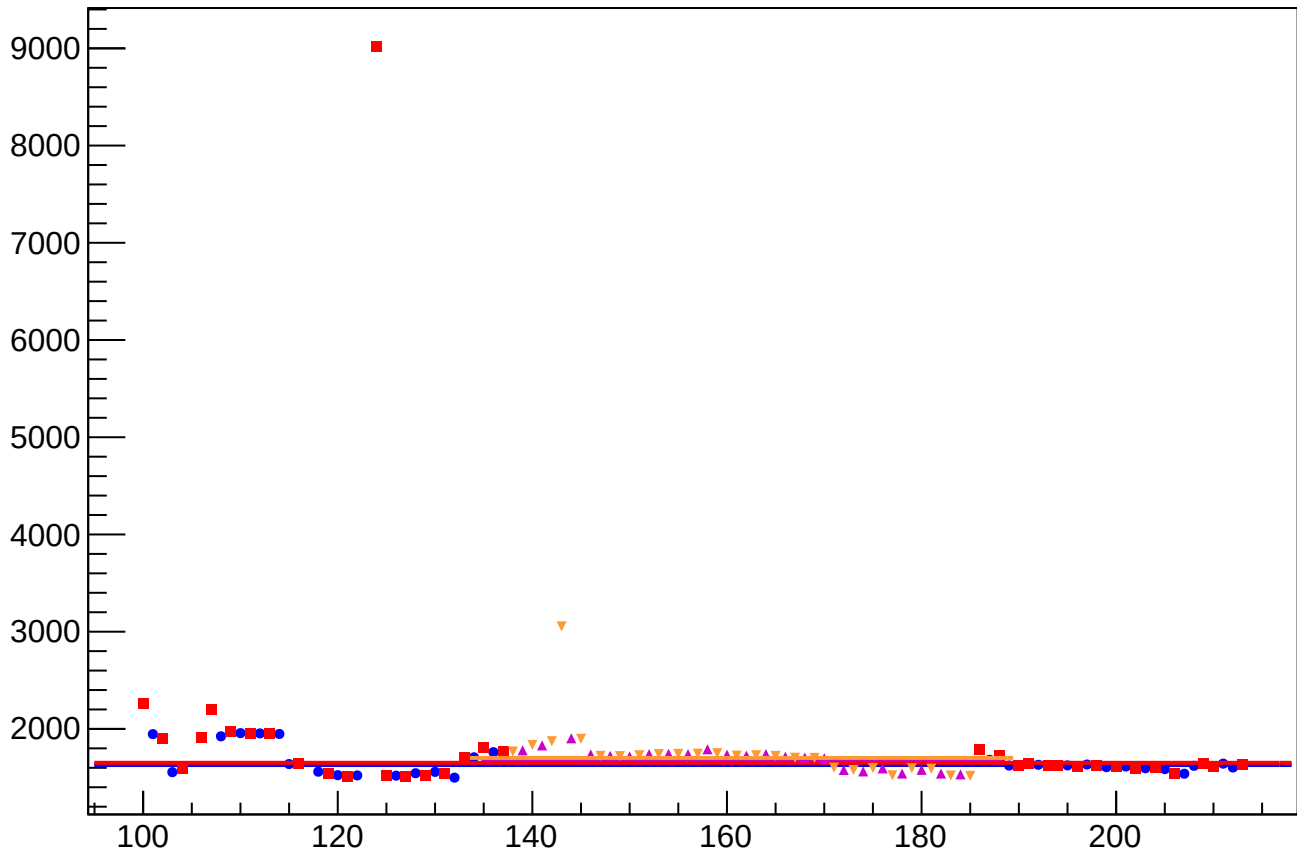
Left In: 559.960+/-395.112 χ^2/NDF : 7.5/22

+ sign 29.436+/-275.715 χ^2/NDF : 64.4/53

All: 309.026+/-194.557 χ^2/NDF : 108.6/110

- sign -586.315+/-274.577 χ^2/NDF : 42.1/56

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1628.524 $\pm$ 0.276 χ^2 /NDF: 157651.5/28

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1651.351 $\pm$ 0.270 χ^2 /NDF: 425062.6/33

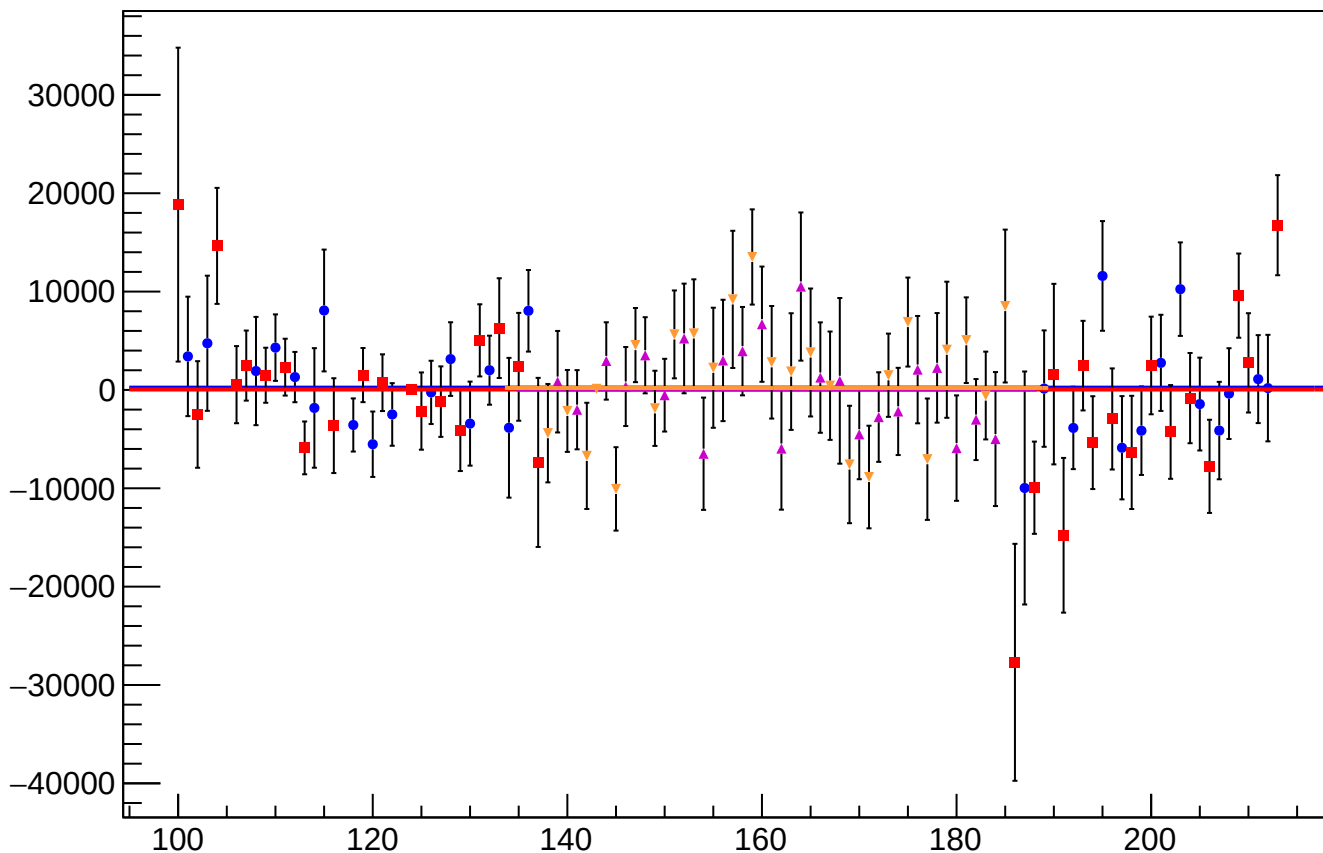
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1665.259 $\pm$ 0.195 χ^2 /NDF: 645136.3/53

All: 1667.455 $\pm$ 0.138 χ^2 /NDF: 1202302.1/11

- sign 1669.630 $\pm$ 0.194 χ^2 /NDF: 556913.3/56

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 234.236 $\pm$ 791.492 χ^2 /NDF: 29.1/28

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF:33.9/24

Right Out: 41.857 $\pm$ 307.430 χ^2 /NDF: 57.1/33

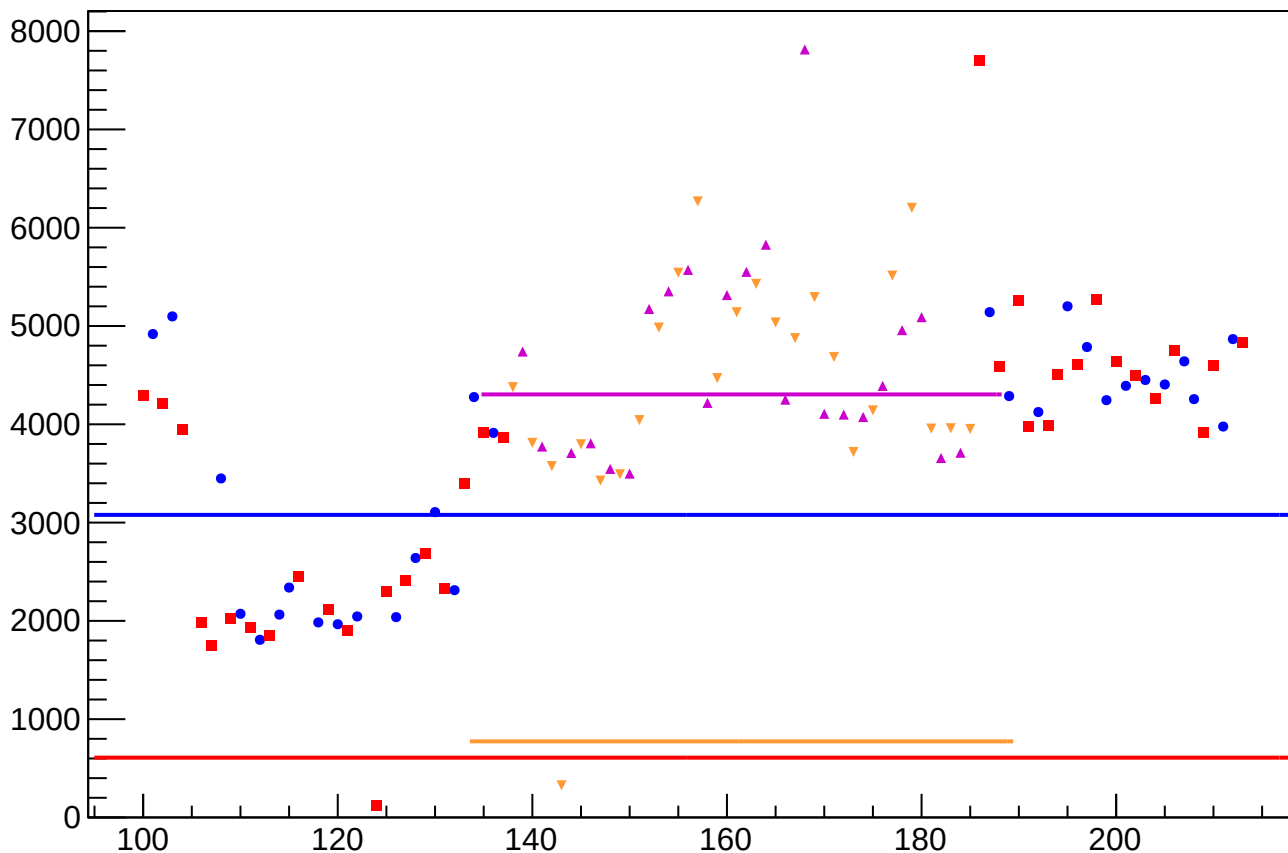
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF:13.3/22

+ sign 200.294 $\pm$ 314.802 χ^2 /NDF: 63.0/53

All: 115.221 $\pm$ 215.055 χ^2 /NDF: 133.6/110

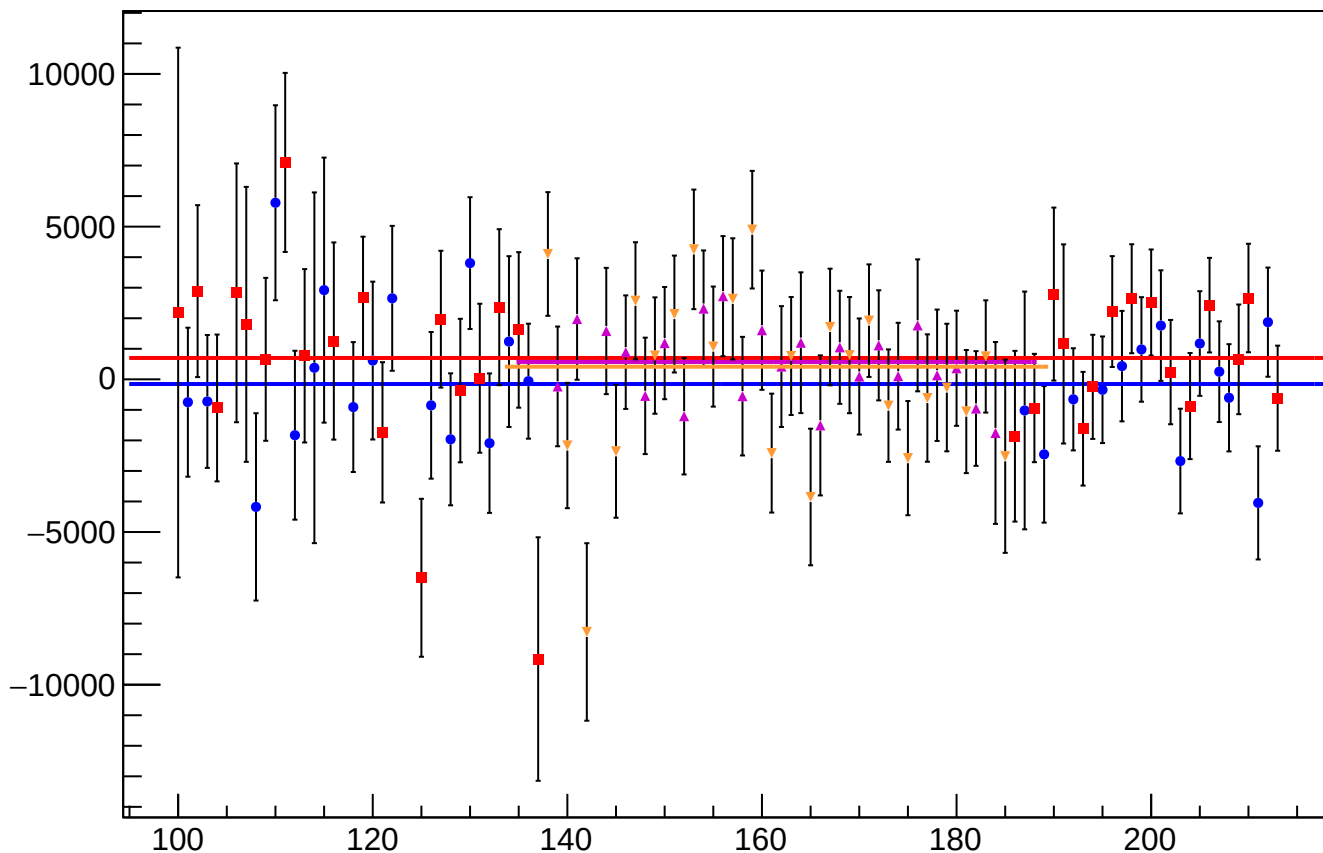
- sign 40.777 $\pm$ 294.482 χ^2 /NDF: 70.4/56

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3078.337+/-0.560	χ^2/NDF : 4355432.0/28	+ sign 1138.645+/-0.223	χ^2/NDF : 46710727.4/53
Left Out: 774.143+/-0.243	χ^2/NDF : 28086455.1/24	All: 1018.358+/-0.152	χ^2/NDF : 101928111.3
Right Out: 608.340+/-0.217	χ^2/NDF : 29620023.2/33	- sign 913.098+/-0.208	χ^2/NDF : 54669849.1/56
Left In: 4304.001+/-0.725	χ^2/NDF : 1216572.3/22		

dit_asym_atl_dd_mean vs Slug



Right In: -153.550 ± 394.297 χ^2/NDF : 24.4/28

Left Out: 413.309 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 699.574 ± 386.240 χ^2/NDF : 34.4/32

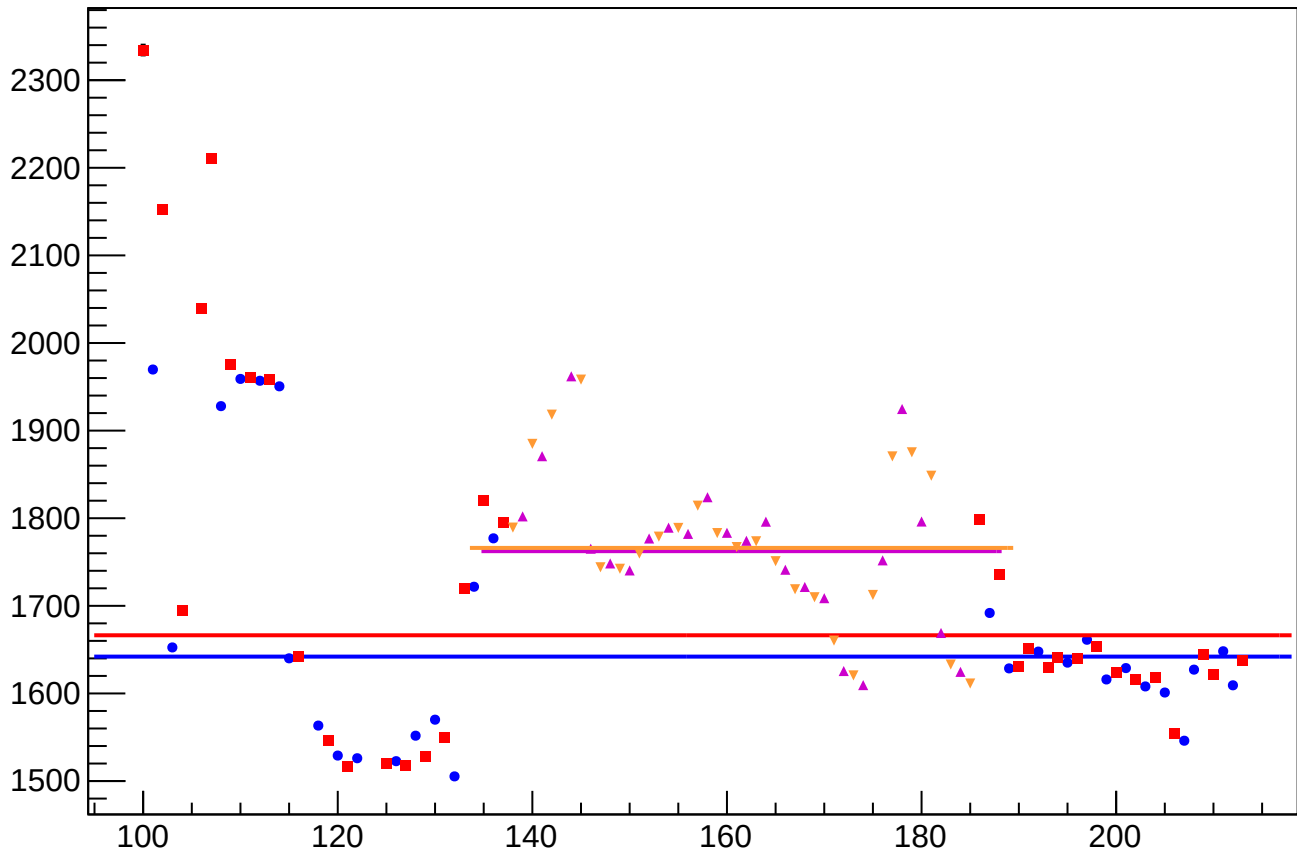
Left In: 568.823 ± 412.052 χ^2/NDF : 7.7/22

+ sign 118.448 ± 284.378 χ^2/NDF : 65.4/52

All: 380.805 ± 200.167 χ^2/NDF : 109.2/108

- sign 638.422 ± 281.796 χ^2/NDF : 42.1/55

dit_asym_atl_dd_rms vs Slug



Right In: 1642.052 $\pm$ 0.279 χ^2 /NDF: 156792.6/28

Left Out: 1766.115 $\pm$ 0.290 χ^2 /NDF: 83252.4/23

Right Out: 1666.394 $\pm$ 0.273 χ^2 /NDF: 267115.1/32

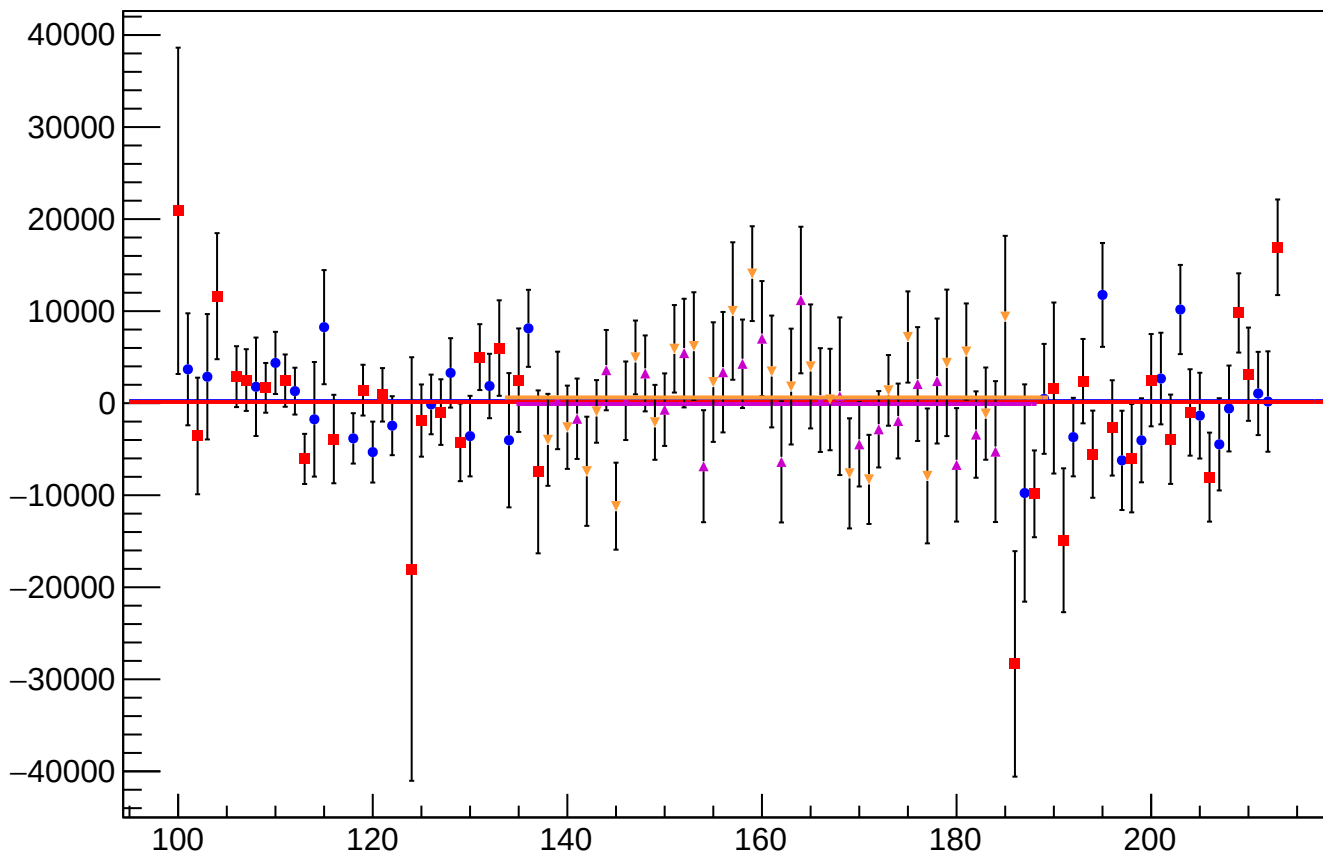
Left In: 1762.405 $\pm$ 0.291 χ^2 /NDF: 80090.6/22

+ sign 1701.582 $\pm$ 0.201 χ^2 /NDF: 335051.9/52

All: 1706.466 $\pm$ 0.142 χ^2 /NDF: 741271.3/108

- sign 1711.259 $\pm$ 0.199 χ^2 /NDF: 405050.3/55

asym_atl_dd_dit_correction_mean vs Slug



Right In: 224.268 $\pm$ 796.611 χ^2 /NDF: 28.8/28

Left Out: 619.658 $\pm$ 1034.658 χ^2 /NDF:33.1/24

Right Out: 132.652 $\pm$ 741.656 χ^2 /NDF: 55.3/33

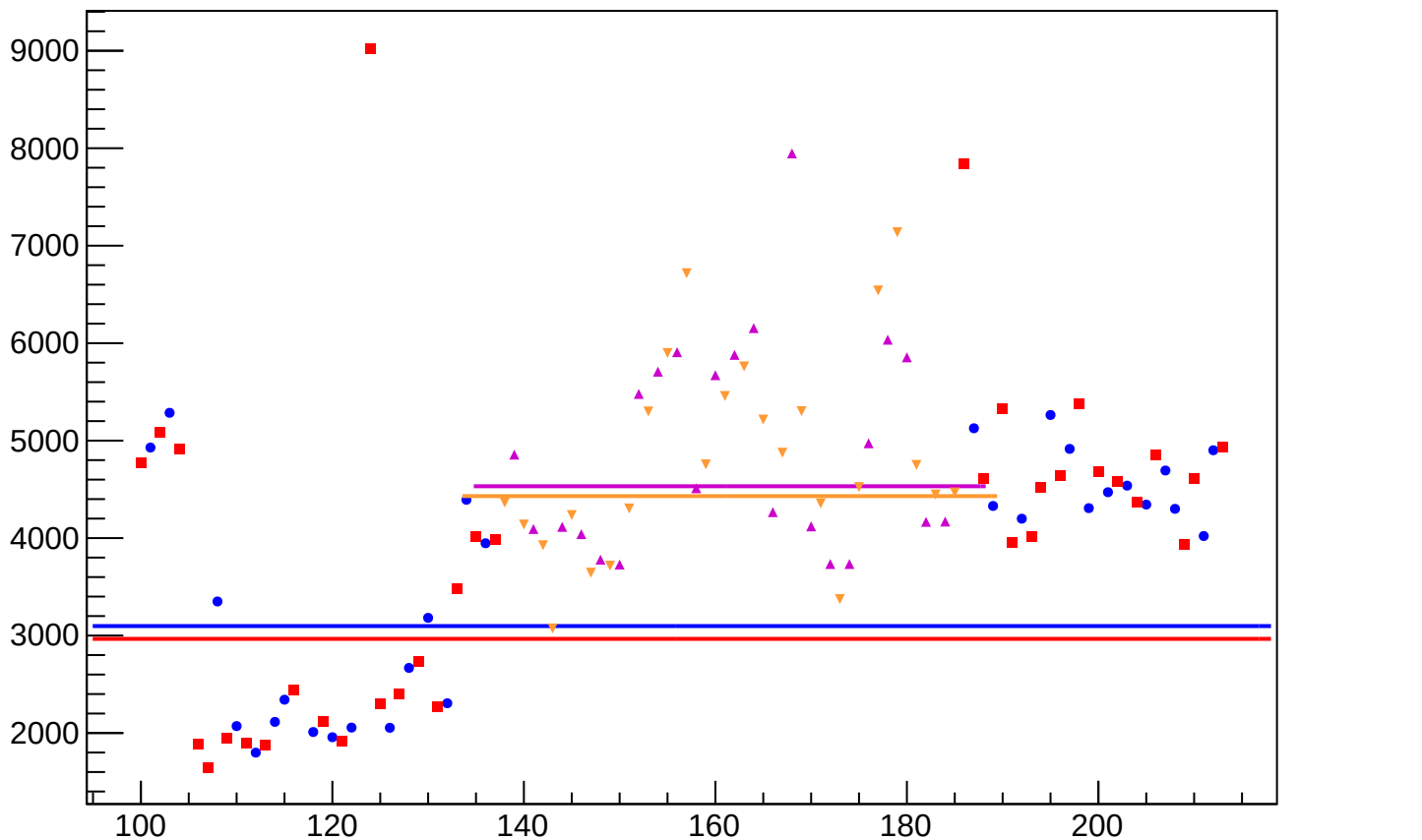
Left In: -85.511 $\pm$ 1082.508 χ^2 /NDF:12.9/22

+ sign 371.421 $\pm$ 631.200 χ^2 /NDF: 62.0/53

All: 212.385 $\pm$ 439.318 χ^2 /NDF: 130.3/110

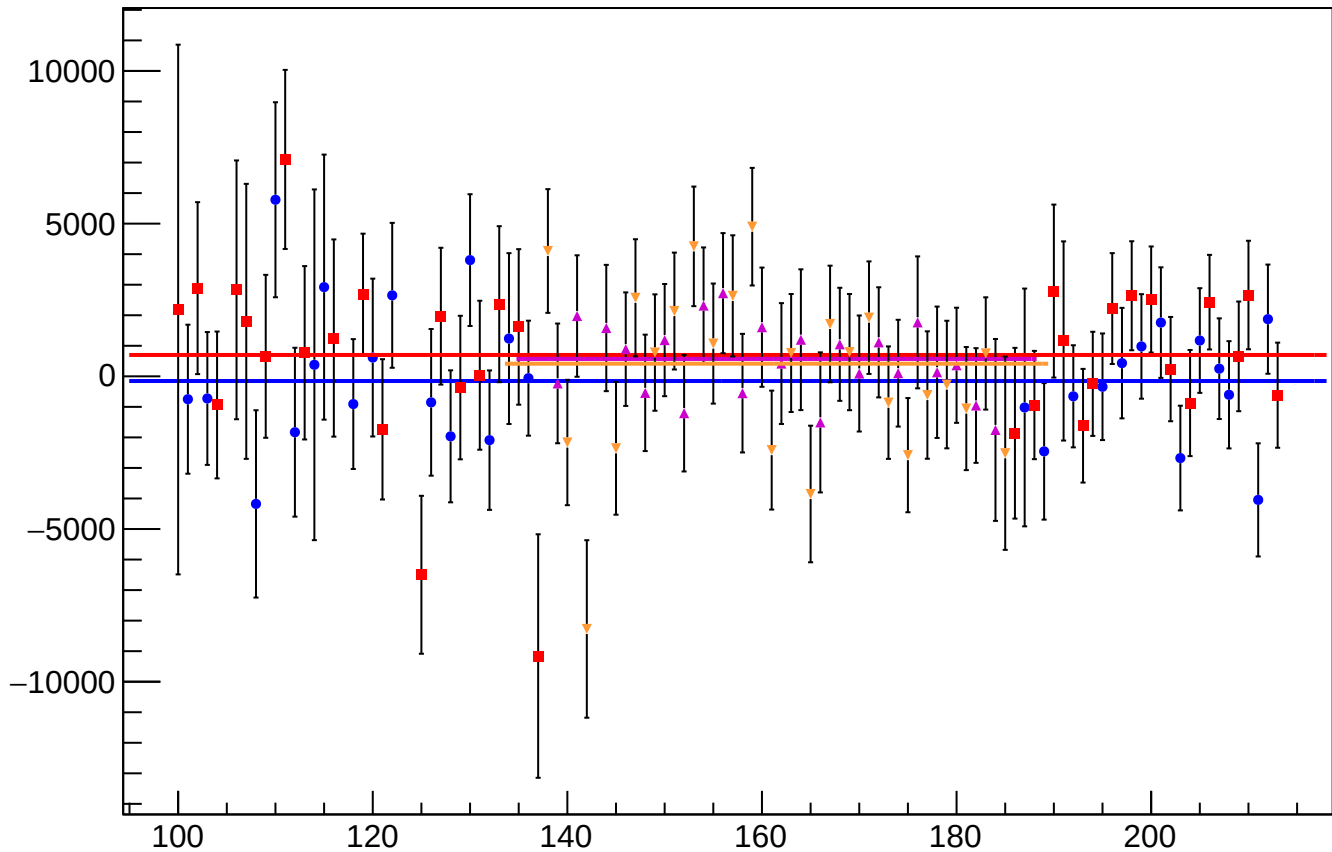
- sign 62.960 $\pm$ 611.832 χ^2 /NDF: 68.3/56

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3097.346+/-0.563	χ^2/NDF : 4472596.5/28	+ sign 3593.616+/-0.446	χ^2/NDF : 8171477.6/53
Left Out: 4430.796+/-0.732	χ^2/NDF : 1613272.4/24	All: 3528.011+/-0.311	χ^2/NDF : 18296630.7/1
Right Out: 2966.190+/-0.524	χ^2/NDF : 5859200.8/33	- sign 3466.370+/-0.433	χ^2/NDF : 10083247.1/56
Left In: 4531.944+/-0.765	χ^2/NDF : 1376472.2/22		

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -153.552 ± 394.297 χ^2/NDF : 24.4/28

Left Out: 413.311 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 699.572 ± 386.240 χ^2/NDF : 34.4/32

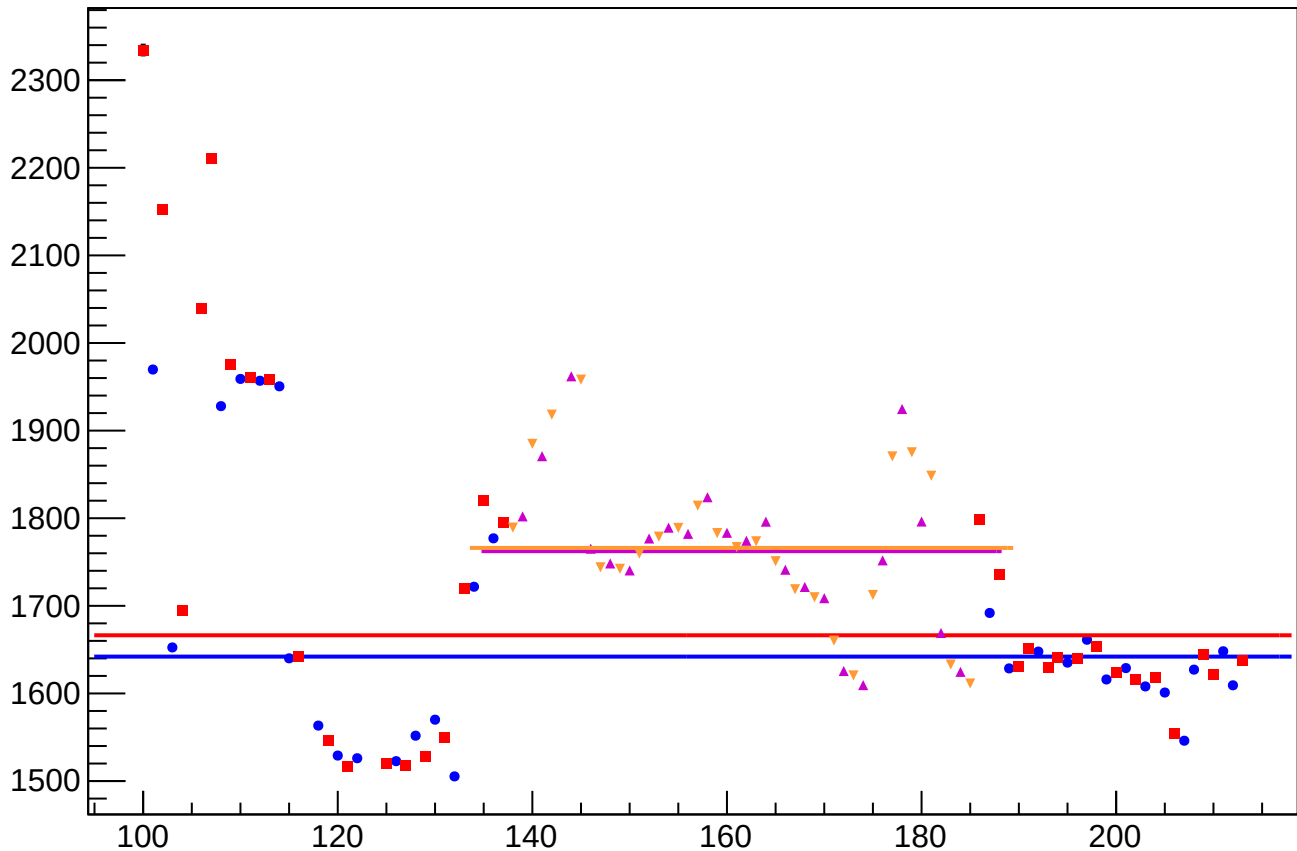
Left In: 568.821 ± 412.052 χ^2/NDF : 7.7/22

+ sign 118.447 ± 284.378 χ^2/NDF : 65.4/52

All: 380.804 ± 200.167 χ^2/NDF : 109.2/108

- sign 638.420 ± 281.797 χ^2/NDF : 42.1/55

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1642.052 $\pm$ 0.279 χ^2 /NDF: 156792.6/28

Left Out: 1766.116 $\pm$ 0.290 χ^2 /NDF: 83255.3/23

Right Out: 1666.394 $\pm$ 0.273 χ^2 /NDF: 267113.8/32

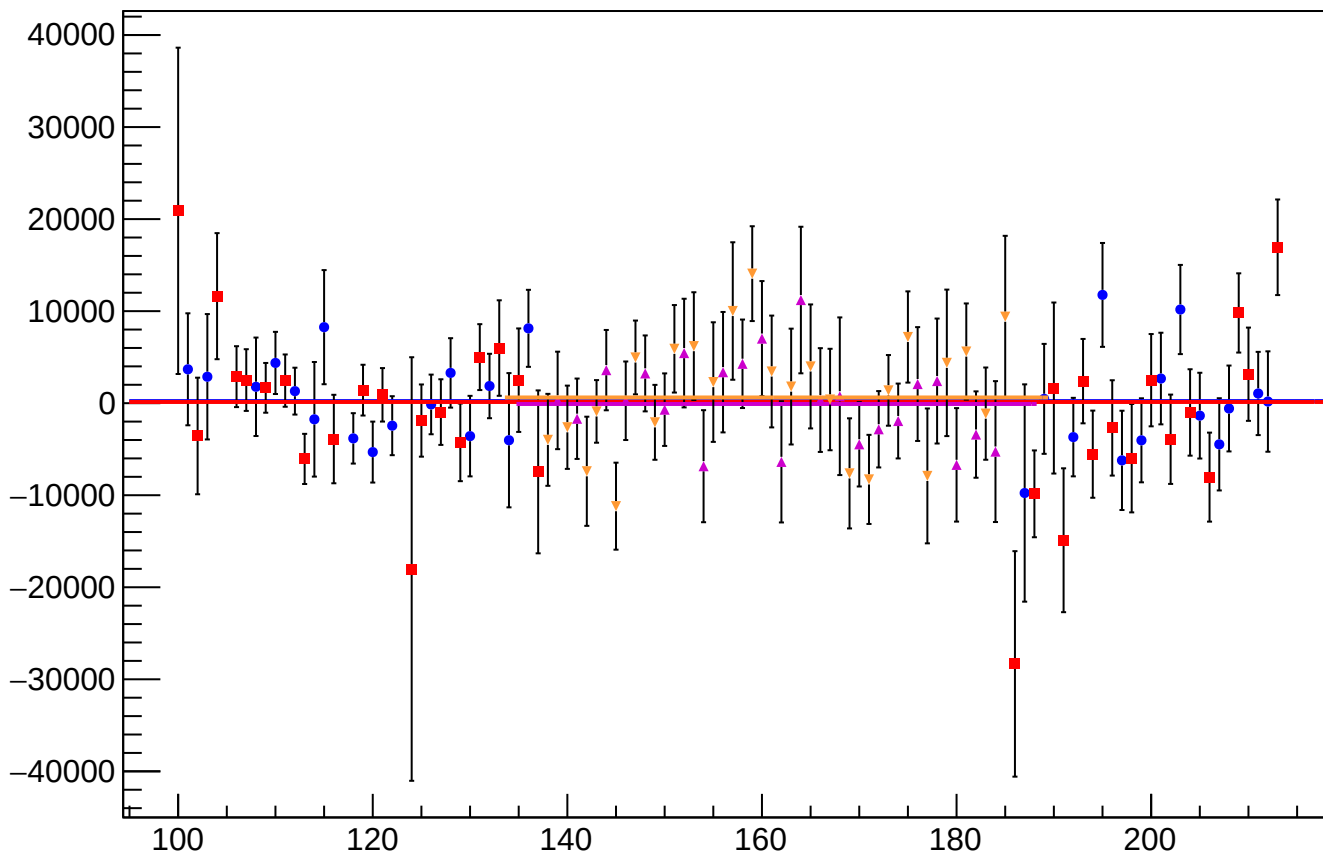
Left In: 1762.406 $\pm$ 0.291 χ^2 /NDF: 80093.2/22

+ sign 1701.582 $\pm$ 0.201 χ^2 /NDF: 335056.1/52

All: 1706.467 $\pm$ 0.142 χ^2 /NDF: 741277.8/108

- sign 1711.259 $\pm$ 0.199 χ^2 /NDF: 405052.6/55

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 224.263 $\pm$ 796.609 χ^2 /NDF: 28.8/28

Left Out: 619.663 $\pm$ 1034.659 χ^2 /NDF:33.1/24

Right Out: 132.655 $\pm$ 741.654 χ^2 /NDF: 55.3/33

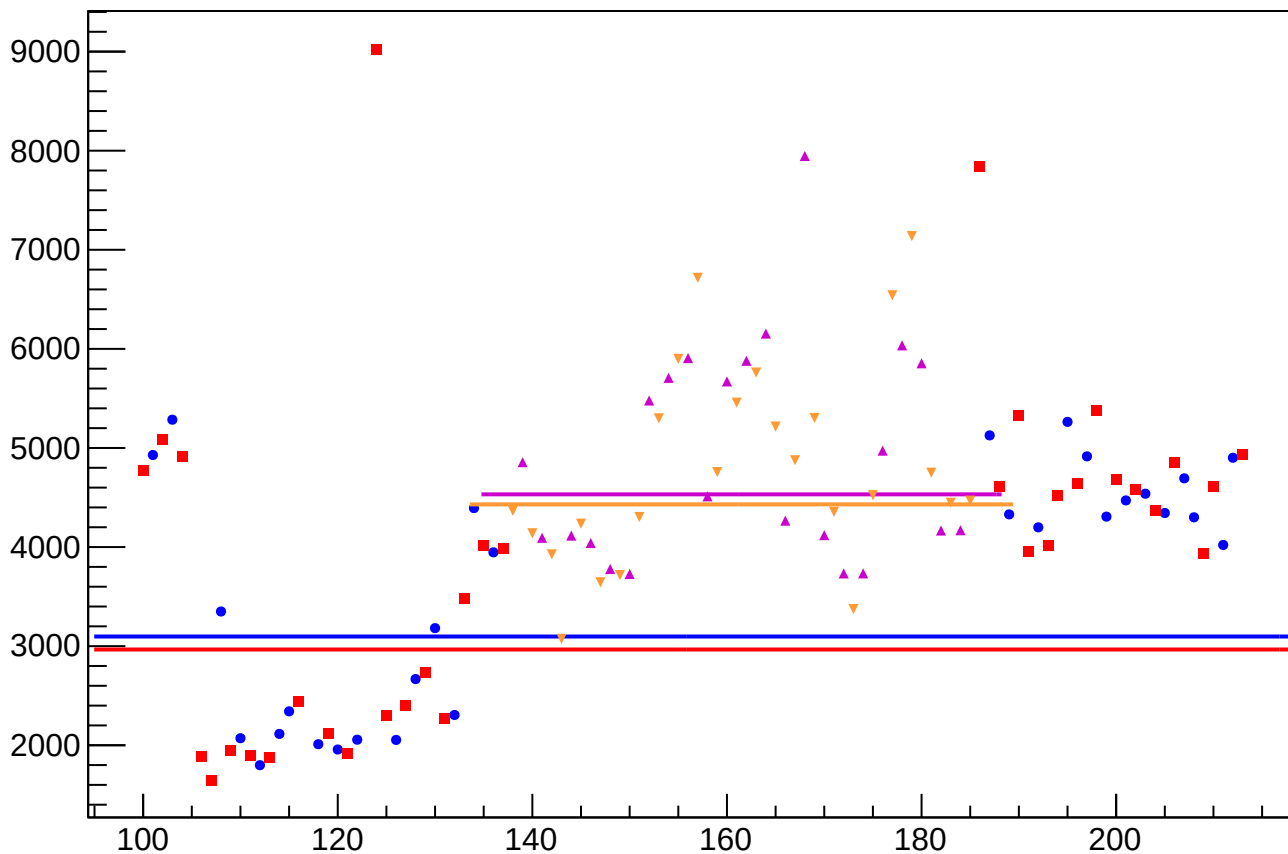
Left In: -85.511 $\pm$ 1082.509 χ^2 /NDF:12.9/22

+ sign 371.418 $\pm$ 631.200 χ^2 /NDF: 62.0/53

All: 212.385 $\pm$ 439.318 χ^2 /NDF: 130.3/110

- sign 62.962 $\pm$ 611.832 χ^2 /NDF: 68.3/56

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3097.336+/-0.563 χ^2/NDF : 4472668.8/28

Left Out: 4430.803+/-0.732 χ^2/NDF : 1613274.9/24

Right Out: 2966.181+/-0.524 χ^2/NDF : 5859263.9/33

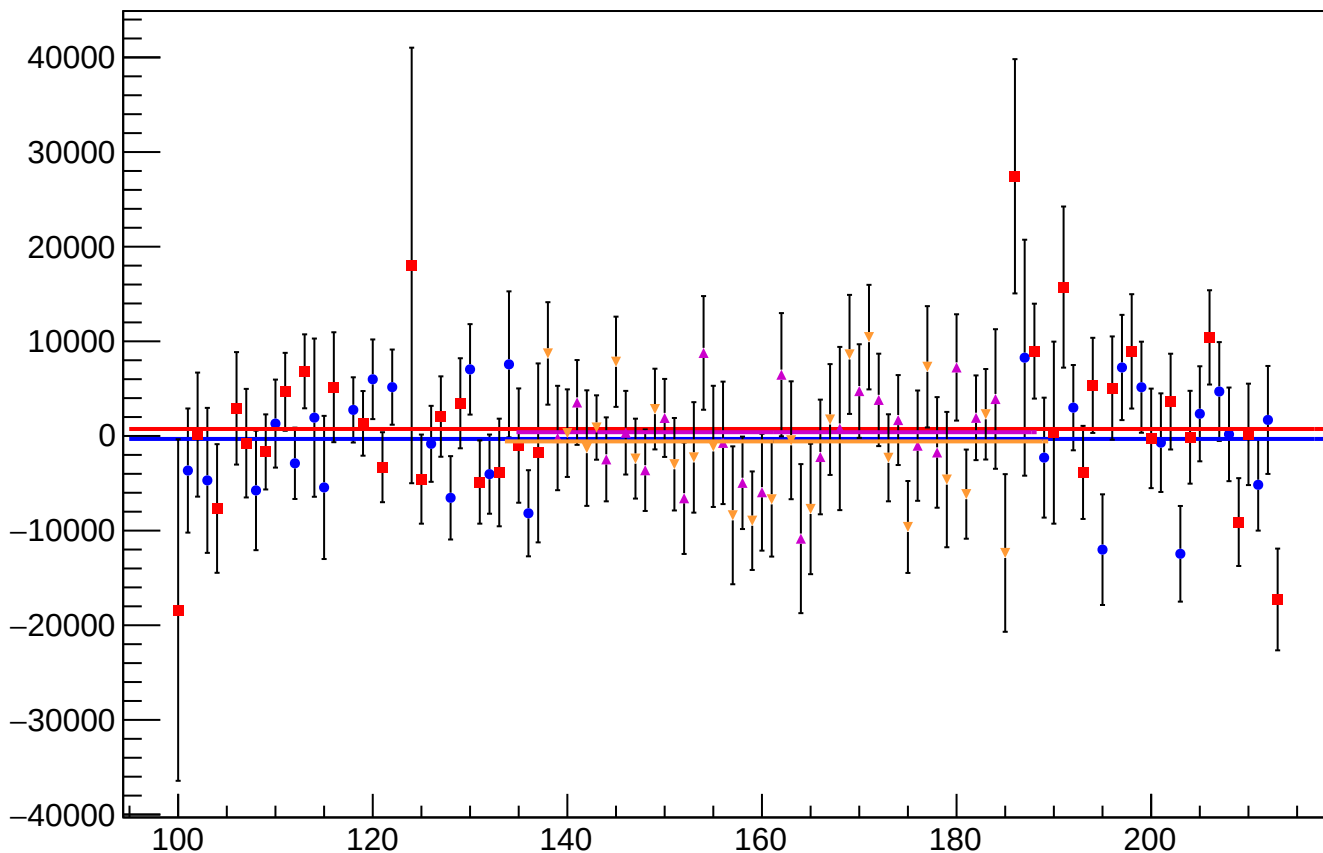
Left In: 4531.951+/-0.765 χ^2/NDF : 1376473.4/22

+ sign 3593.610+/-0.446 χ^2/NDF : 8171602.0/53

All: 3528.005+/-0.311 χ^2/NDF : 18296875.0/1

- sign 3466.364+/-0.433 χ^2/NDF : 10083366.5/56

asym_atl_dd_mean vs Slug



Right In: -314.076+/-932.667 χ^2/NDF : 32.9/28

Left Out: -573.122+/-1054.836 χ^2/NDF : 28.8/24

Right Out: 738.478+/-899.090 χ^2/NDF : 47.6/33

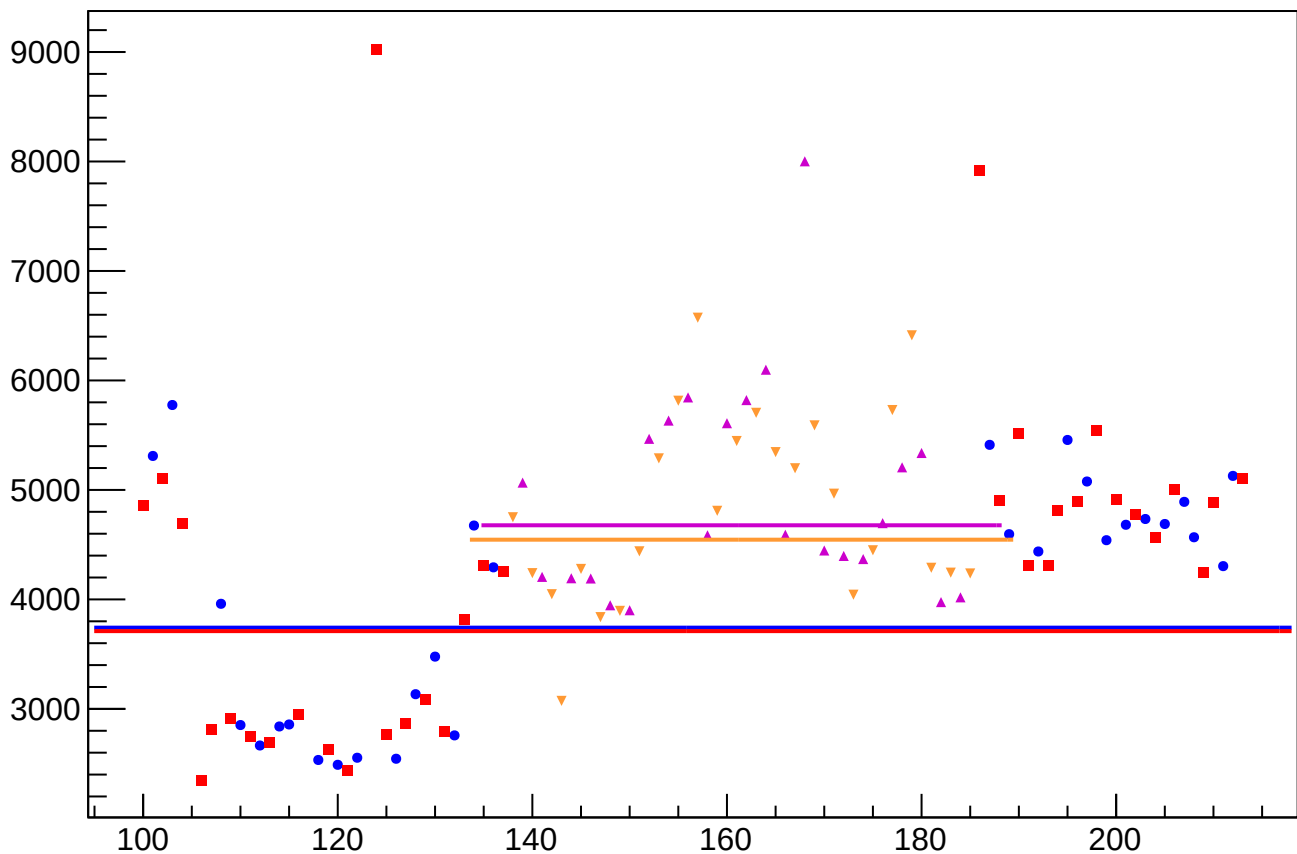
Left In: 398.404+/-1109.490 χ^2/NDF : 14.0/22

+ sign -427.736+/-698.715 χ^2/NDF : 61.7/53

All: 88.110+/-493.999 χ^2/NDF : 124.5/110

- sign 603.678+/-698.526 χ^2/NDF : 61.7/56

asym_atl_dd_rms vs Slug



Right In: 3741.953+/-0.659 χ^2/NDF : 2511717.0/28

Left Out: 4545.493+/-0.746 χ^2/NDF : 1258528.5/24

Right Out: 3710.262+/-0.630 χ^2/NDF : 3058536.8/33

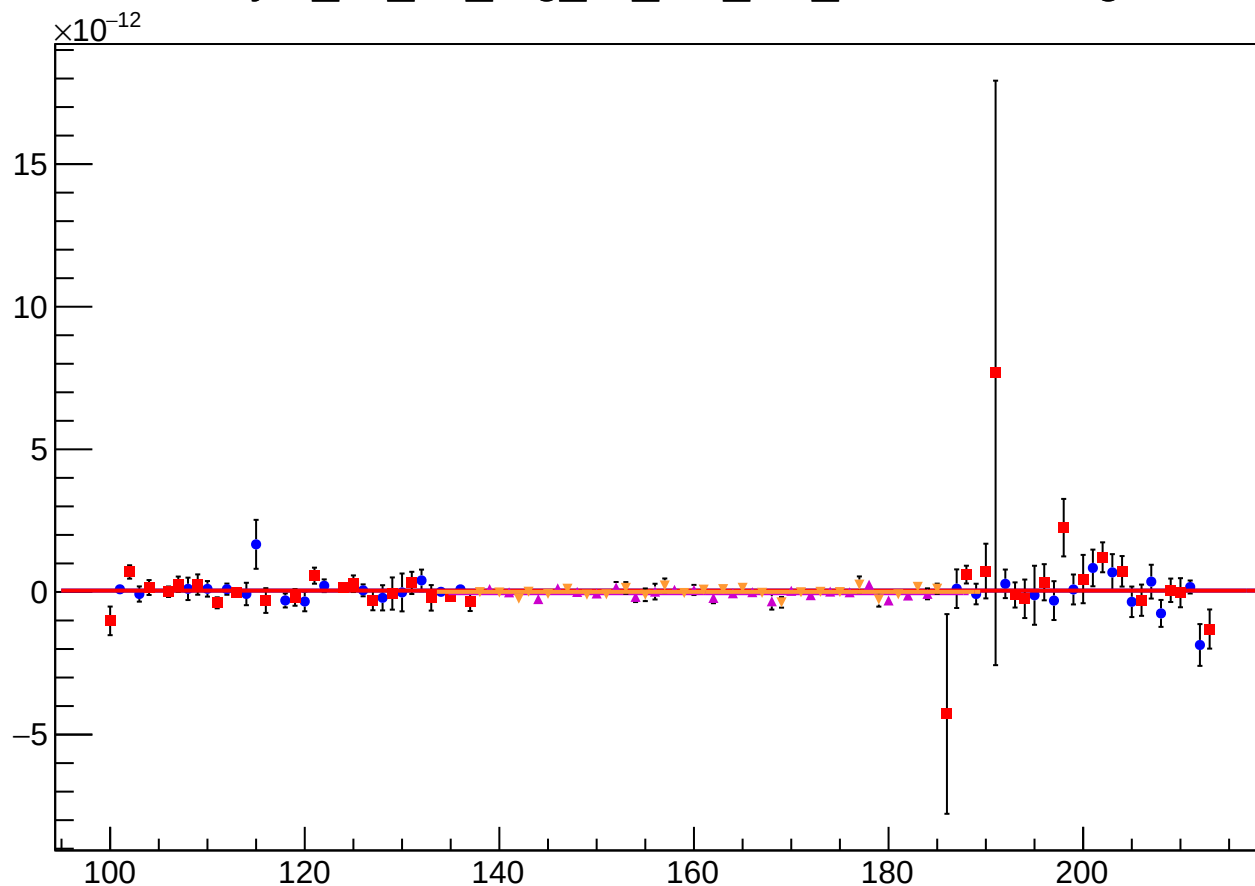
Left In: 4677.049+/-0.785 χ^2/NDF : 959885.7/22

+ sign 4094.516+/-0.494 χ^2/NDF : 4421605.6/53

All: 4092.071+/-0.348 χ^2/NDF : 9362747.6/11

- sign 4089.651+/-0.491 χ^2/NDF : 4941093.3/56

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 52.6/33

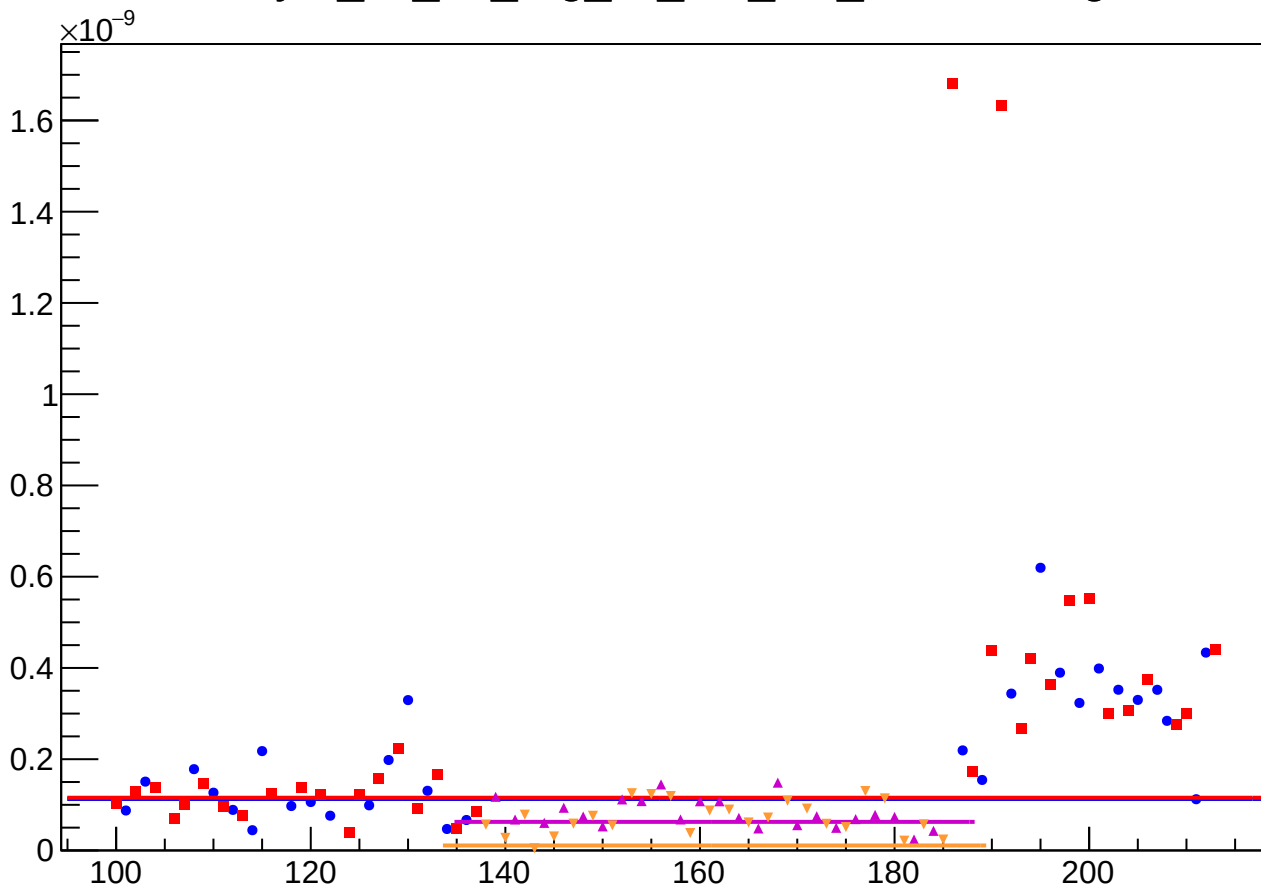
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 119.3/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 75.7/56

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4908868.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9705530.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6048860.2/33

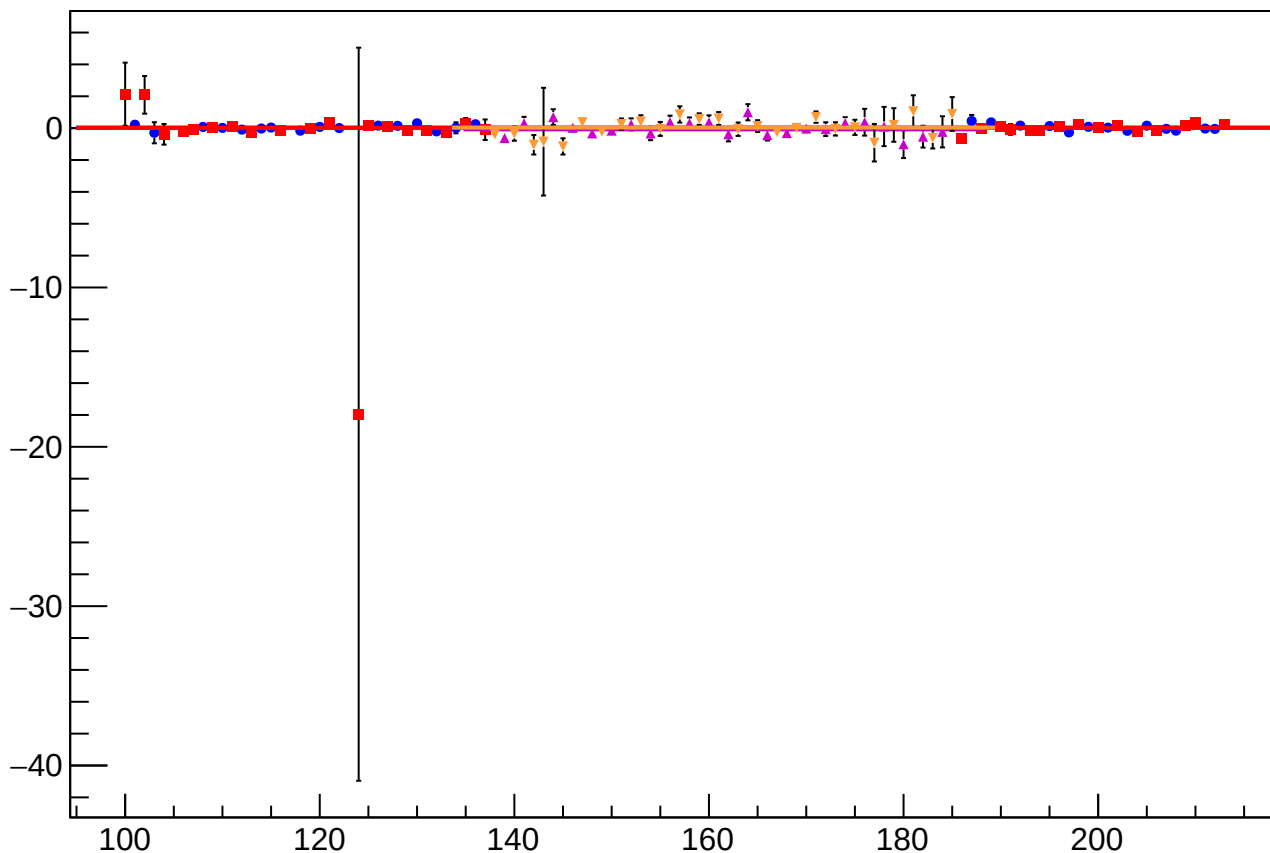
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2092071.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 22126293.3/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 43612012.4/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 9787165.5/56

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.033 χ^2 /NDF: 20.0/28

Left Out: 0.036 $\pm$ 0.077 χ^2 /NDF: 29.7/24

Right Out: 0.019 $\pm$ 0.031 χ^2 /NDF: 43.1/33

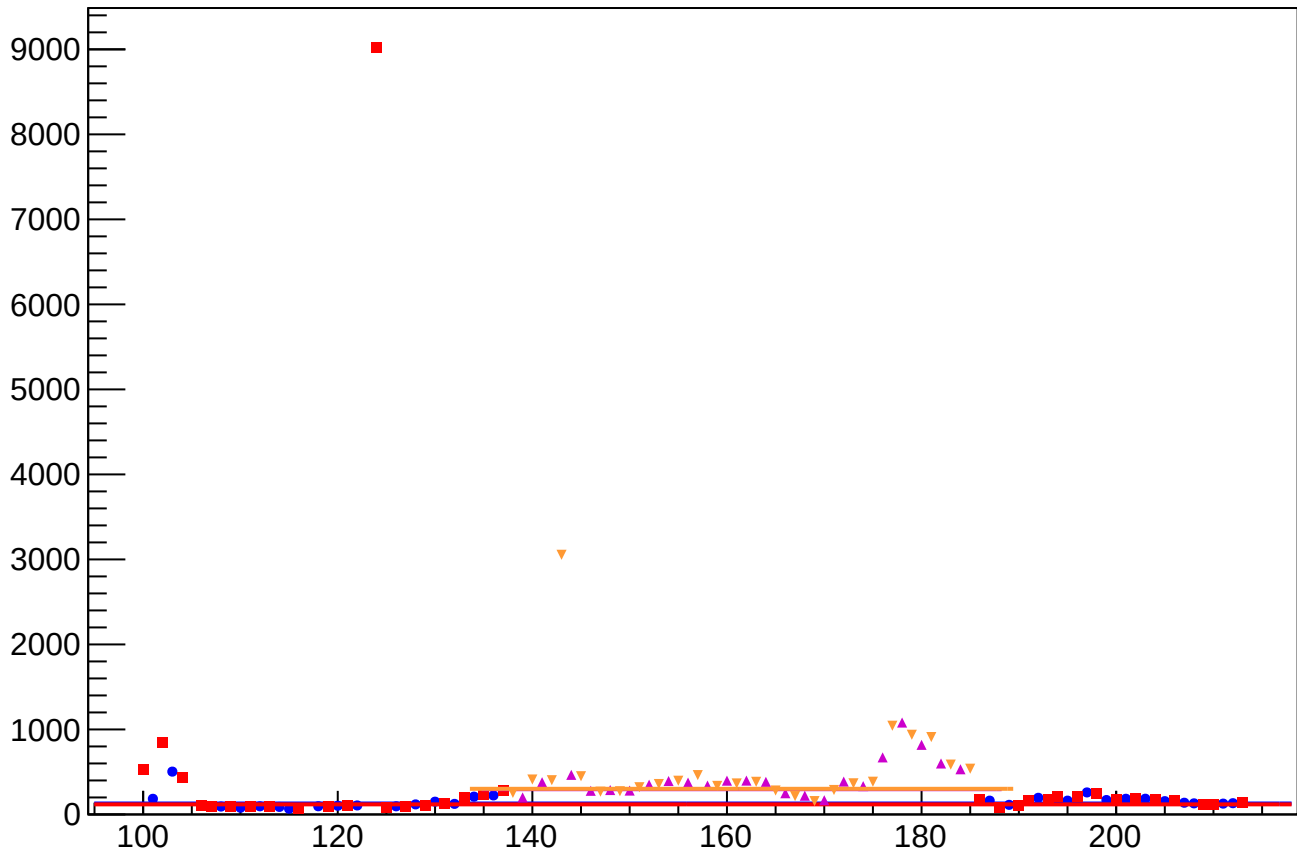
Left In: -0.078 $\pm$ 0.076 χ^2 /NDF: 24.1/22

+ sign 0.031 $\pm$ 0.031 χ^2 /NDF: 49.6/53

All: 0.017 $\pm$ 0.021 χ^2 /NDF: 118.6/110

- sign 0.006 $\pm$ 0.028 χ^2 /NDF: 68.6/56

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.826 $\pm$ 0.024 χ^2 /NDF: 3448289.1/28

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF:6693517.2/24

Right Out: 118.670 $\pm$ 0.022 χ^2 /NDF: 5465588.1/33

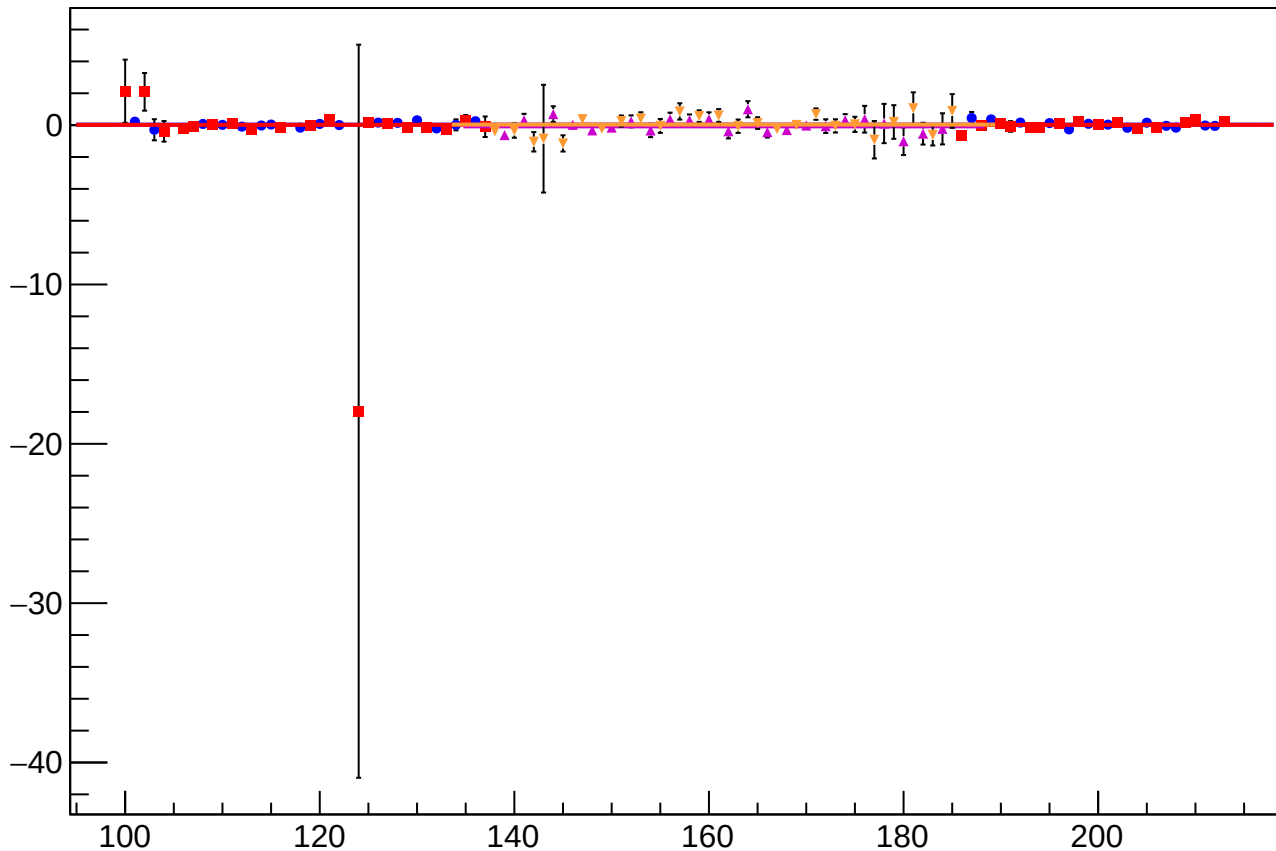
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF:4917907.0/22

+ sign 156.233 $\pm$ 0.022 χ^2 /NDF: 18643314.4/53

All: 149.421 $\pm$ 0.015 χ^2 /NDF: 38734044.2/11

- sign 143.595 $\pm$ 0.020 χ^2 /NDF: 19907184.3/56

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.033 χ^2 /NDF: 20.0/28

Left Out: 0.036 $\pm$ 0.077 χ^2 /NDF: 29.7/24

Right Out: 0.019 $\pm$ 0.031 χ^2 /NDF: 43.1/33

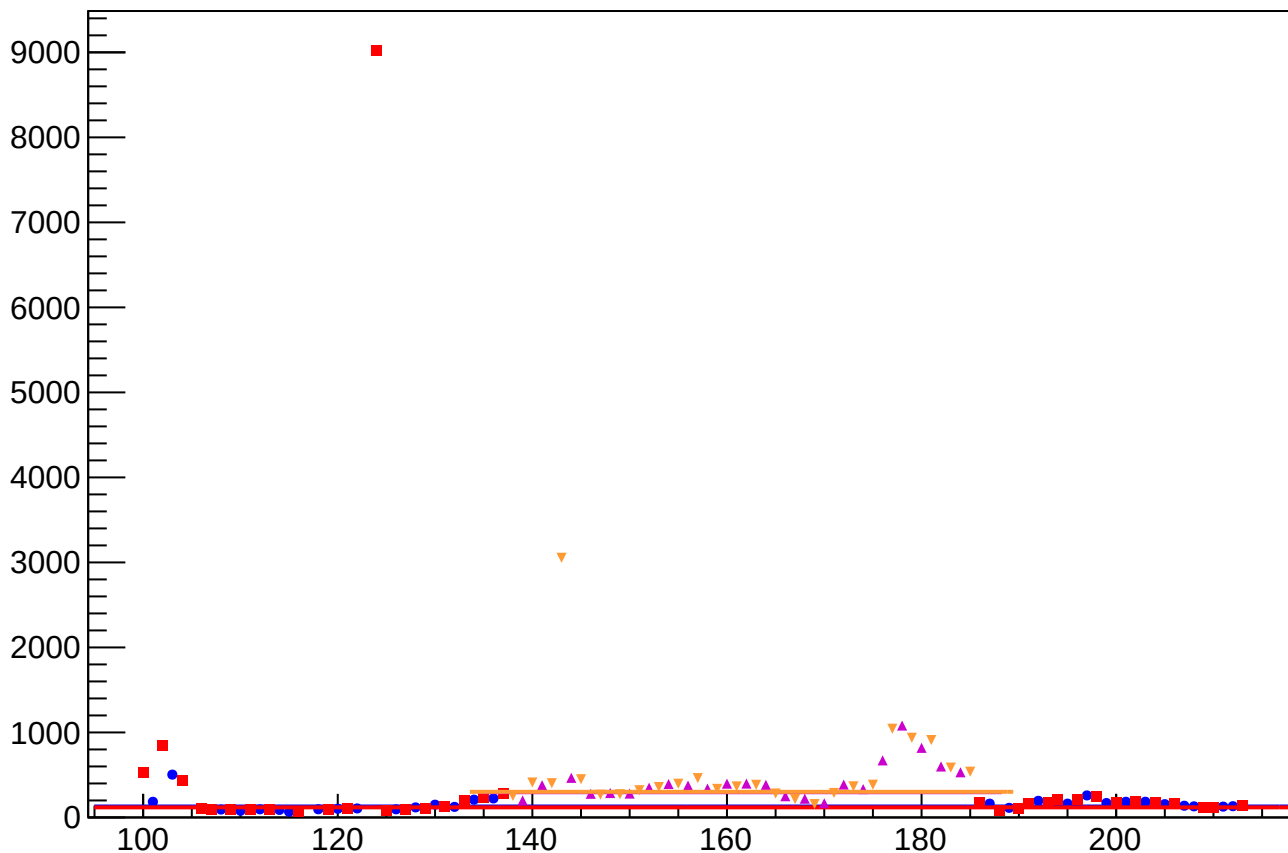
Left In: -0.078 $\pm$ 0.076 χ^2 /NDF: 24.1/22

+ sign 0.031 $\pm$ 0.031 χ^2 /NDF: 49.6/53

All: 0.017 $\pm$ 0.021 χ^2 /NDF: 118.6/110

- sign 0.006 $\pm$ 0.028 χ^2 /NDF: 68.6/56

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.826 $\pm$ 0.024 χ^2 /NDF: 3448289.1/28

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF:6693517.2/24

Right Out: 118.670 $\pm$ 0.022 χ^2 /NDF: 5465588.1/33

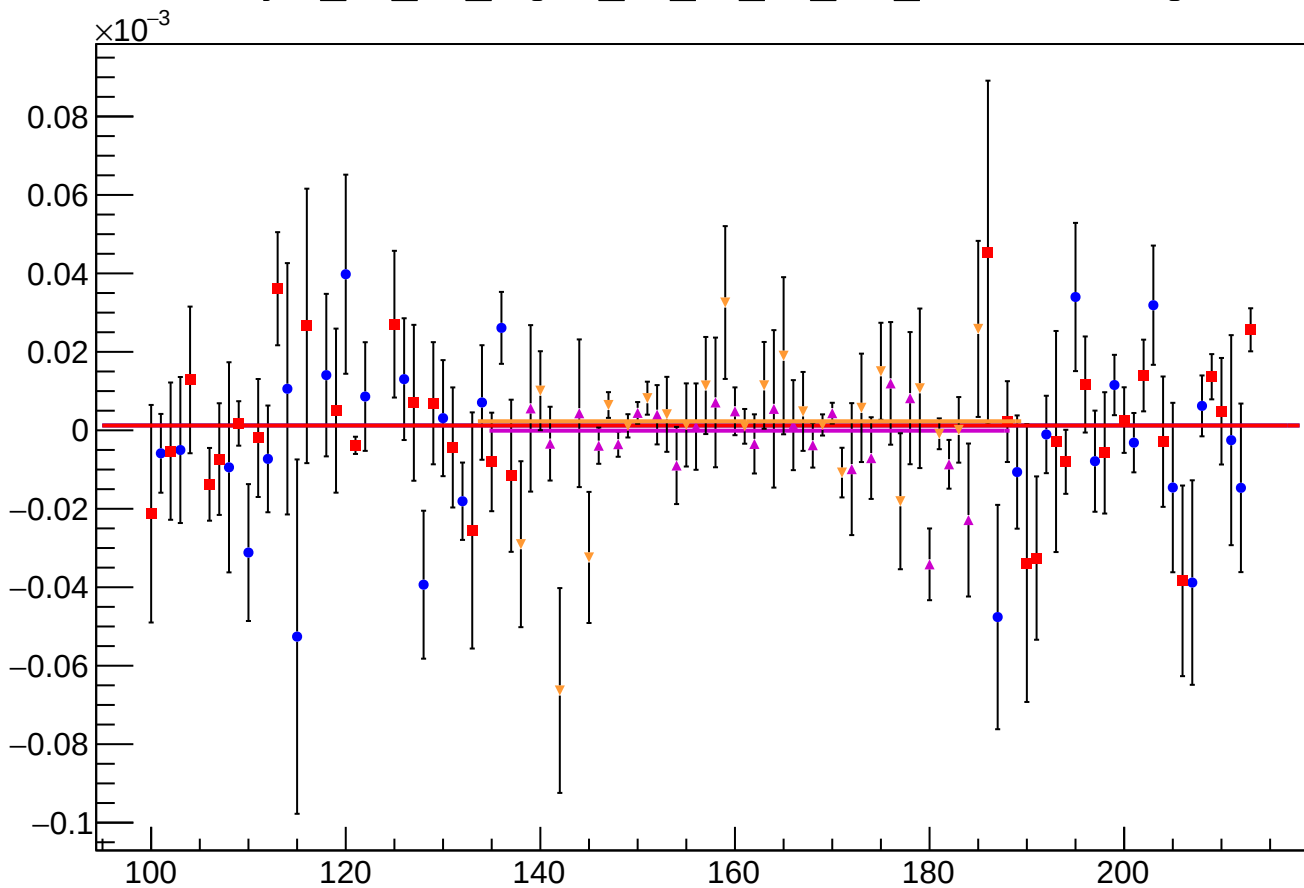
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF:4917907.0/22

+ sign 156.233 $\pm$ 0.022 χ^2 /NDF: 18643314.4/53

All: 149.421 $\pm$ 0.015 χ^2 /NDF: 38734044.2/1

- sign 143.595 $\pm$ 0.020 χ^2 /NDF: 19907184.3/56

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.0/32

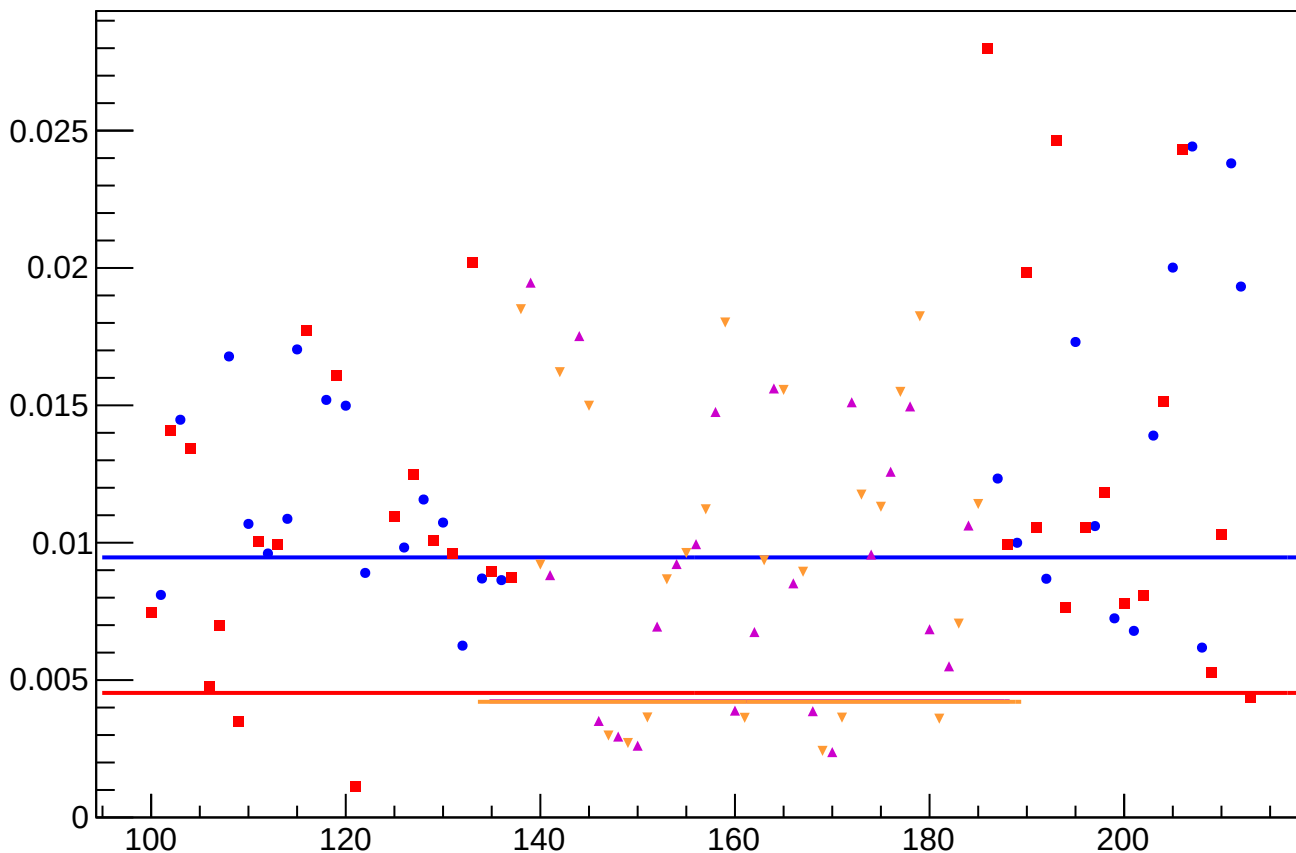
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.2/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 161.0/108

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 85.5/55

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 4398517.5/28

Left Out: 0.004+/-0.000 χ^2/NDF :12078055.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 16463017.7/32

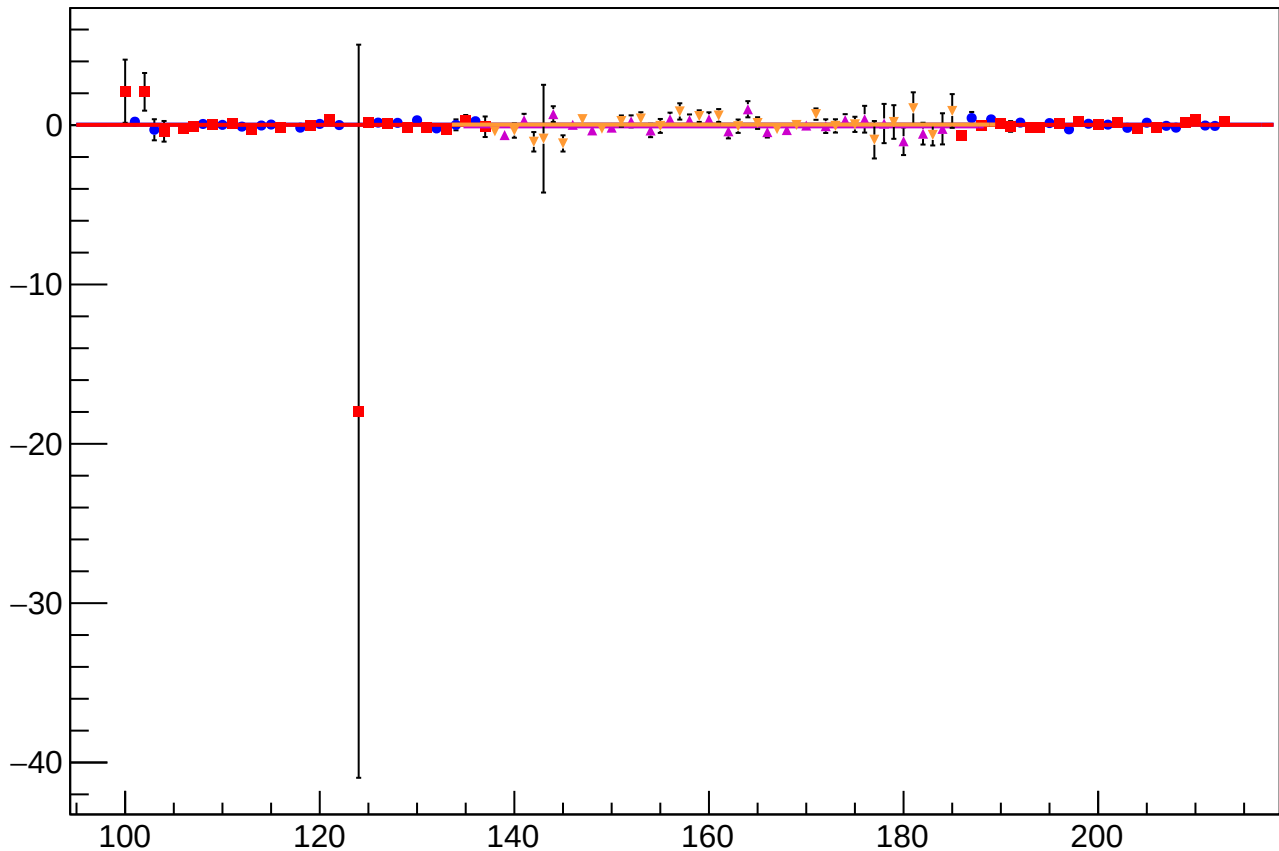
Left In: 0.004+/-0.000 χ^2/NDF :11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 23533545.1/52

All: 0.005+/-0.000 χ^2/NDF : 51818821.6/108

- sign 0.004+/-0.000 χ^2/NDF : 27544663.8/55

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.033 χ^2 /NDF: 20.0/28

Left Out: 0.036 $\pm$ 0.077 χ^2 /NDF: 29.7/24

Right Out: 0.019 $\pm$ 0.031 χ^2 /NDF: 43.1/33

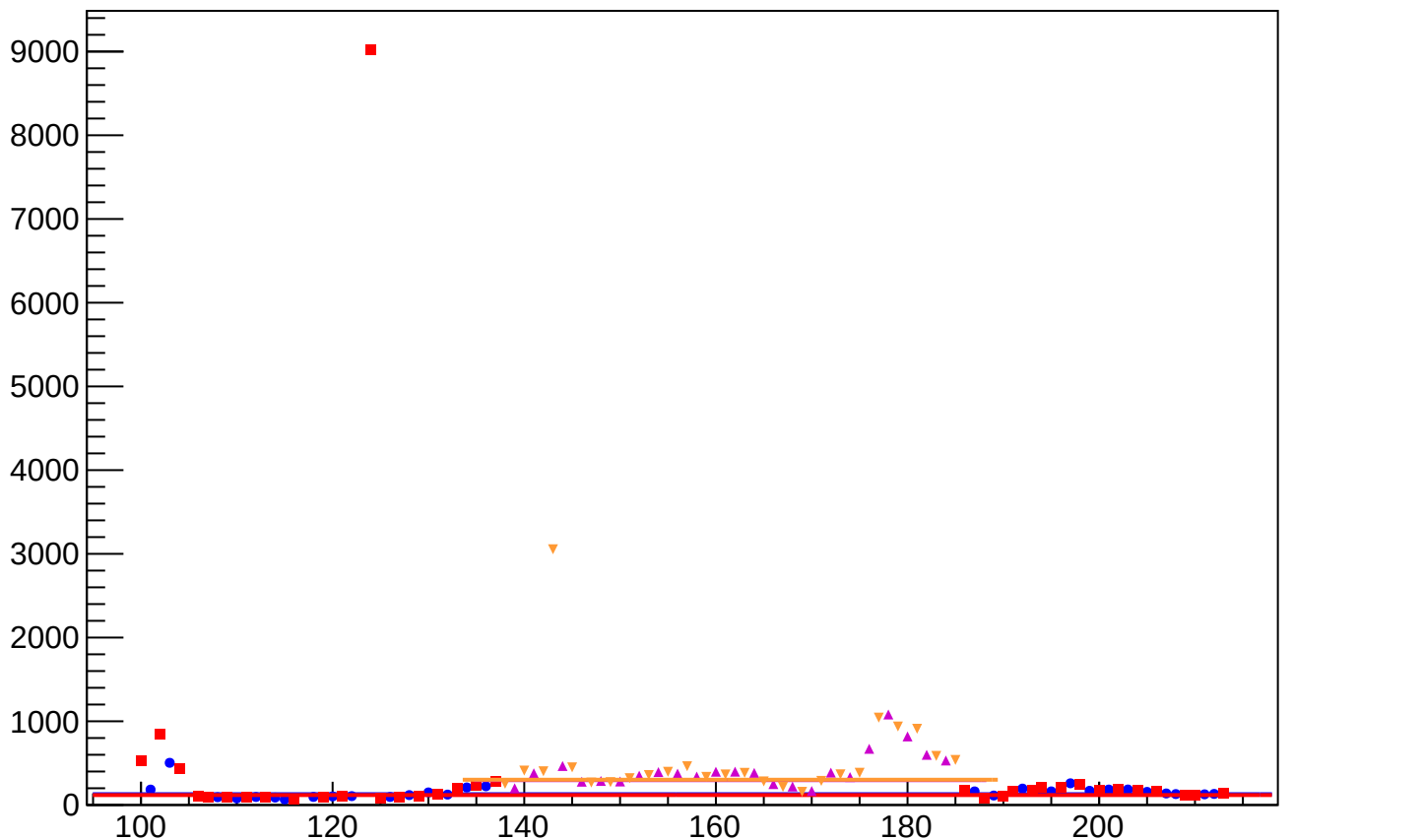
Left In: -0.078 $\pm$ 0.076 χ^2 /NDF: 24.1/22

+ sign 0.031 $\pm$ 0.031 χ^2 /NDF: 49.6/53

All: 0.017 $\pm$ 0.021 χ^2 /NDF: 118.6/110

- sign 0.006 $\pm$ 0.028 χ^2 /NDF: 68.6/56

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.827 $\pm$ 0.024 χ^2 /NDF: 3448266.7/28

Left Out: 301.737 $\pm$ 0.054 χ^2 /NDF:6693577.7/24

Right Out: 118.671 $\pm$ 0.022 χ^2 /NDF: 5465525.5/33

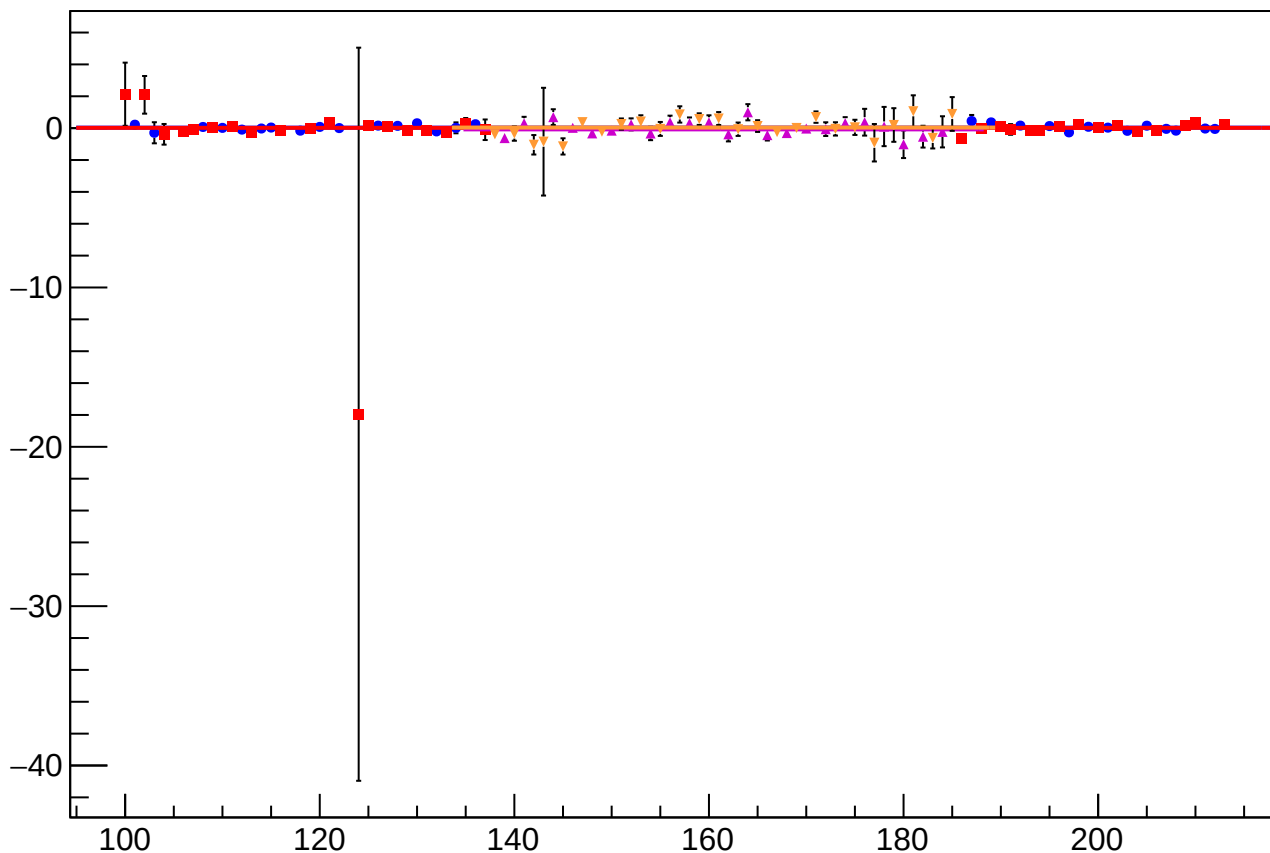
Left In: 296.878 $\pm$ 0.054 χ^2 /NDF:4917864.1/22

+ sign 156.235 $\pm$ 0.022 χ^2 /NDF: 18643290.1/53

All: 149.422 $\pm$ 0.015 χ^2 /NDF: 38733992.1/11

- sign 143.596 $\pm$ 0.020 χ^2 /NDF: 19907149.2/56

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030 $\pm$ 0.033 χ^2 /NDF: 20.0/28

Left Out: 0.036 $\pm$ 0.077 χ^2 /NDF: 29.7/24

Right Out: 0.019 $\pm$ 0.031 χ^2 /NDF: 43.1/33

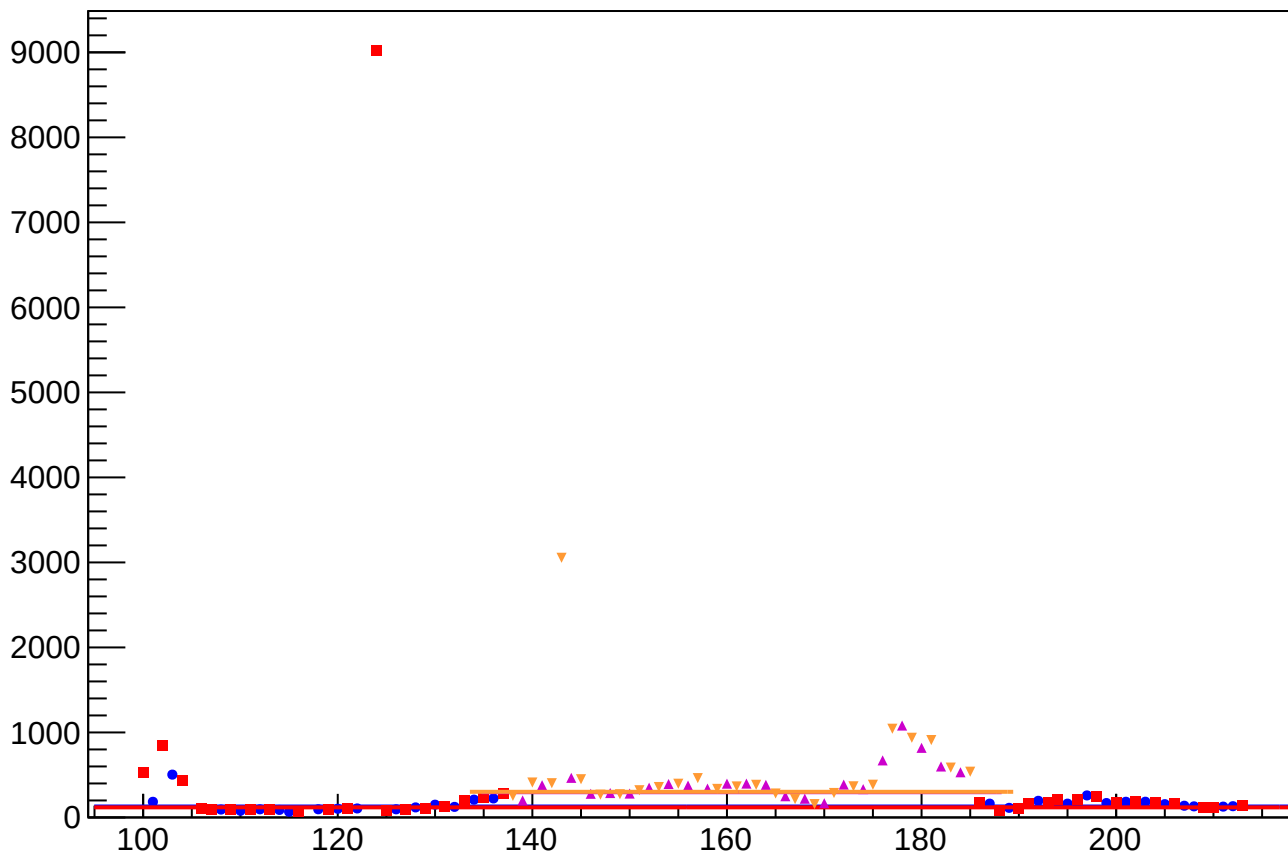
Left In: -0.078 $\pm$ 0.076 χ^2 /NDF: 24.1/22

+ sign 0.031 $\pm$ 0.031 χ^2 /NDF: 49.6/53

All: 0.017 $\pm$ 0.021 χ^2 /NDF: 118.6/110

- sign 0.006 $\pm$ 0.028 χ^2 /NDF: 68.6/56

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.827+/-0.024 χ^2/NDF : 3448266.7/28

Left Out: 301.737+/-0.054 χ^2/NDF : 6693577.7/24

Right Out: 118.671+/-0.022 χ^2/NDF : 5465525.5/33

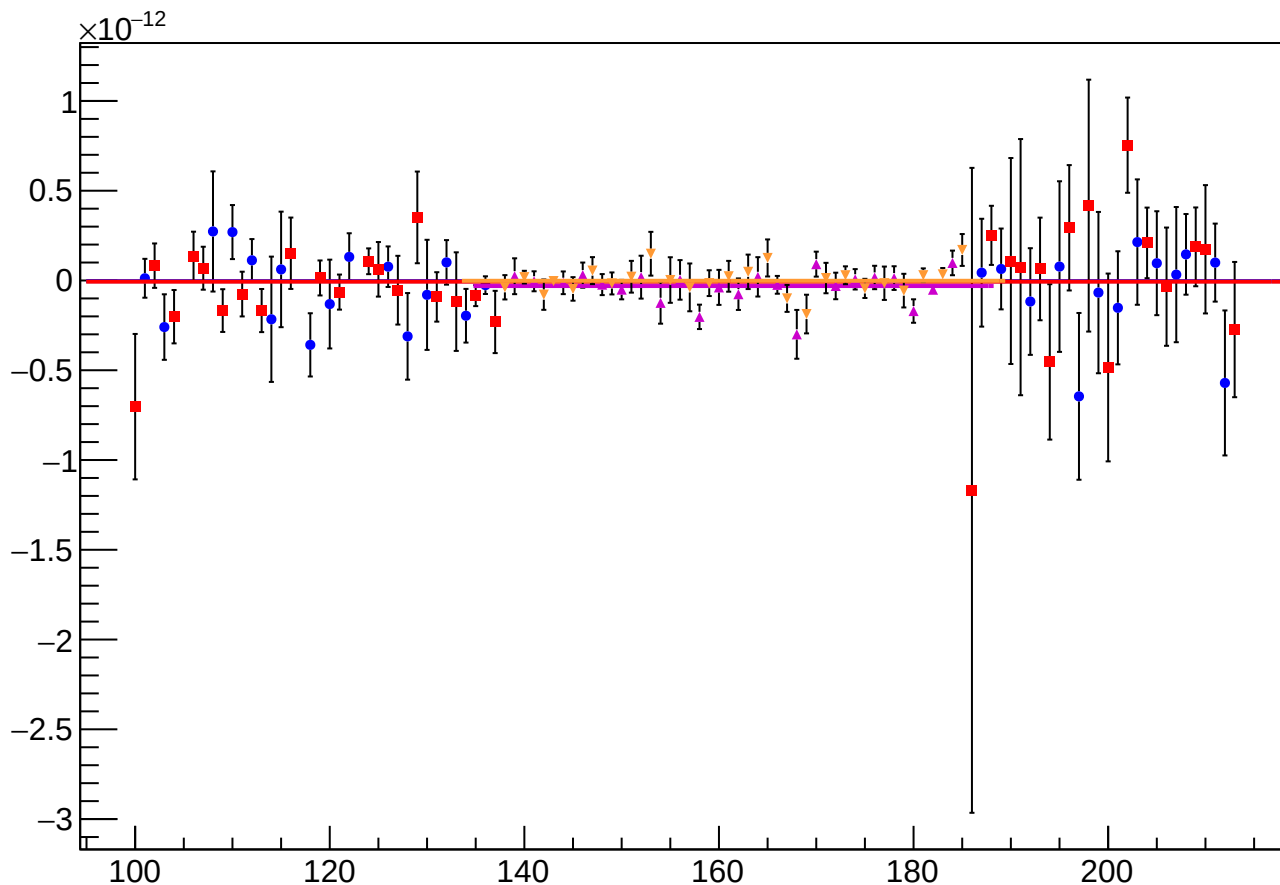
Left In: 296.878+/-0.054 χ^2/NDF : 4917864.1/22

+ sign 156.235+/-0.022 χ^2/NDF : 18643290.1/53

All: 149.422+/-0.015 χ^2/NDF : 38733992.1/11

- sign 143.596+/-0.020 χ^2/NDF : 19907149.2/56

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 23.1/28

Left Out: -0.000+/-0.000 χ^2 /NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 37.2/33

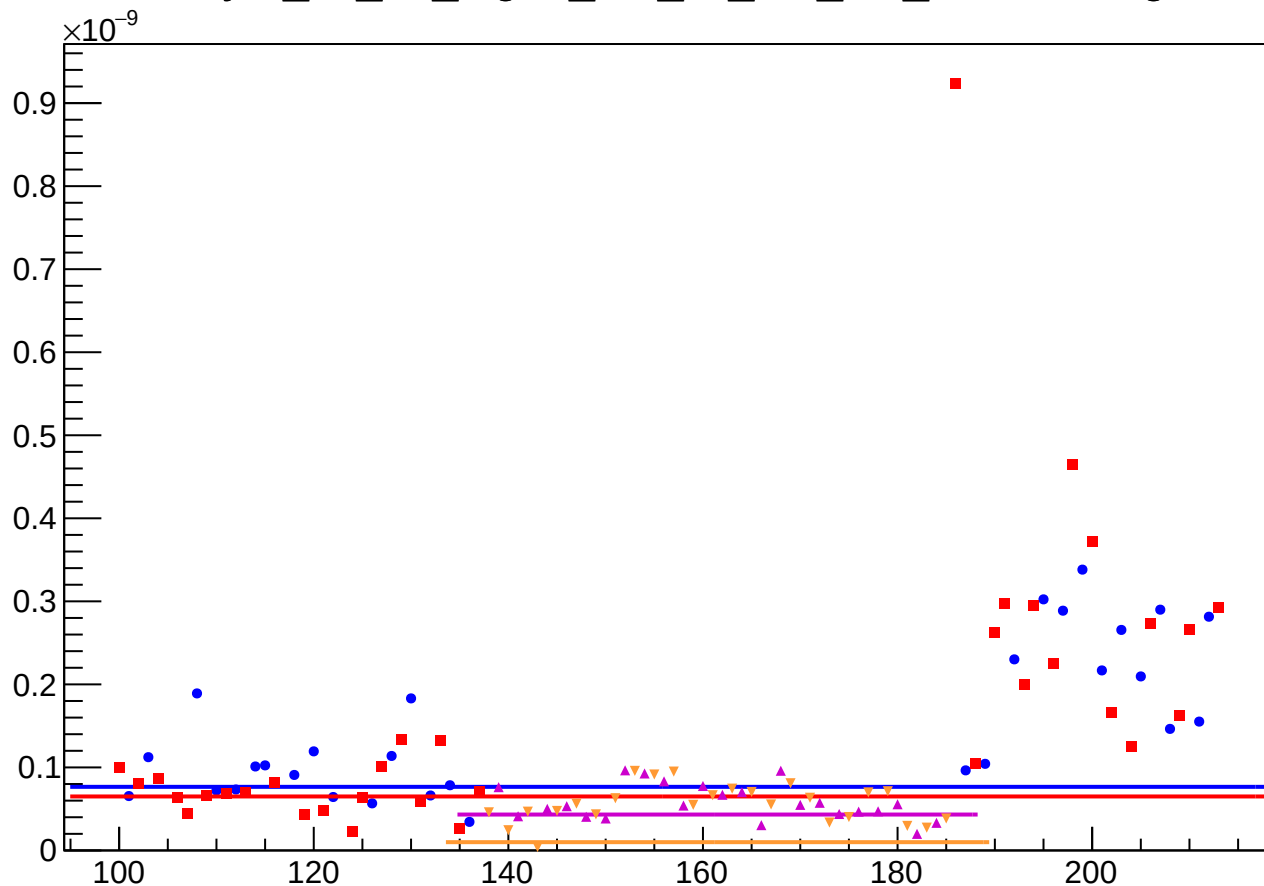
Left In: -0.000+/-0.000 χ^2 /NDF:26.4/22

+ sign -0.000+/-0.000 χ^2 /NDF: 40.8/53

All: -0.000+/-0.000 χ^2 /NDF: 108.6/110

- sign -0.000+/-0.000 χ^2 /NDF: 64.3/56

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7406726.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 18523402.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9036504.4/33

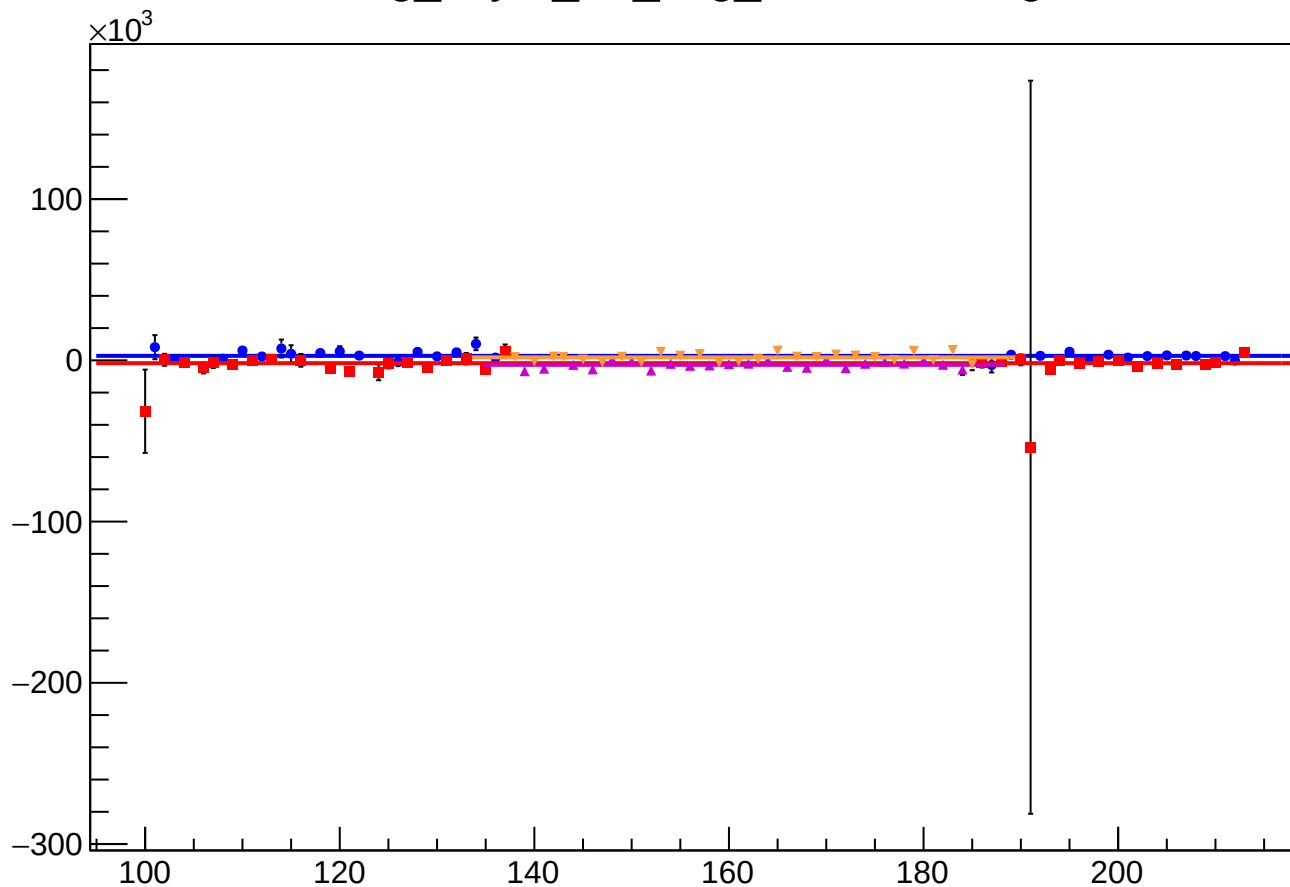
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4049081.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 35686169.0/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 65519375.1/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14217109.5/56

reg_asym_atr_avg_mean vs Slug



Right In: 2786.246 $\pm$ 470.448 χ^2 /NDF: 18.3/28

Left Out: 1851.999 $\pm$ 420.006 χ^2 /NDF: 31.5/24

Right Out: -1750.835 $\pm$ 454.321 χ^2 /NDF: 32.8/33

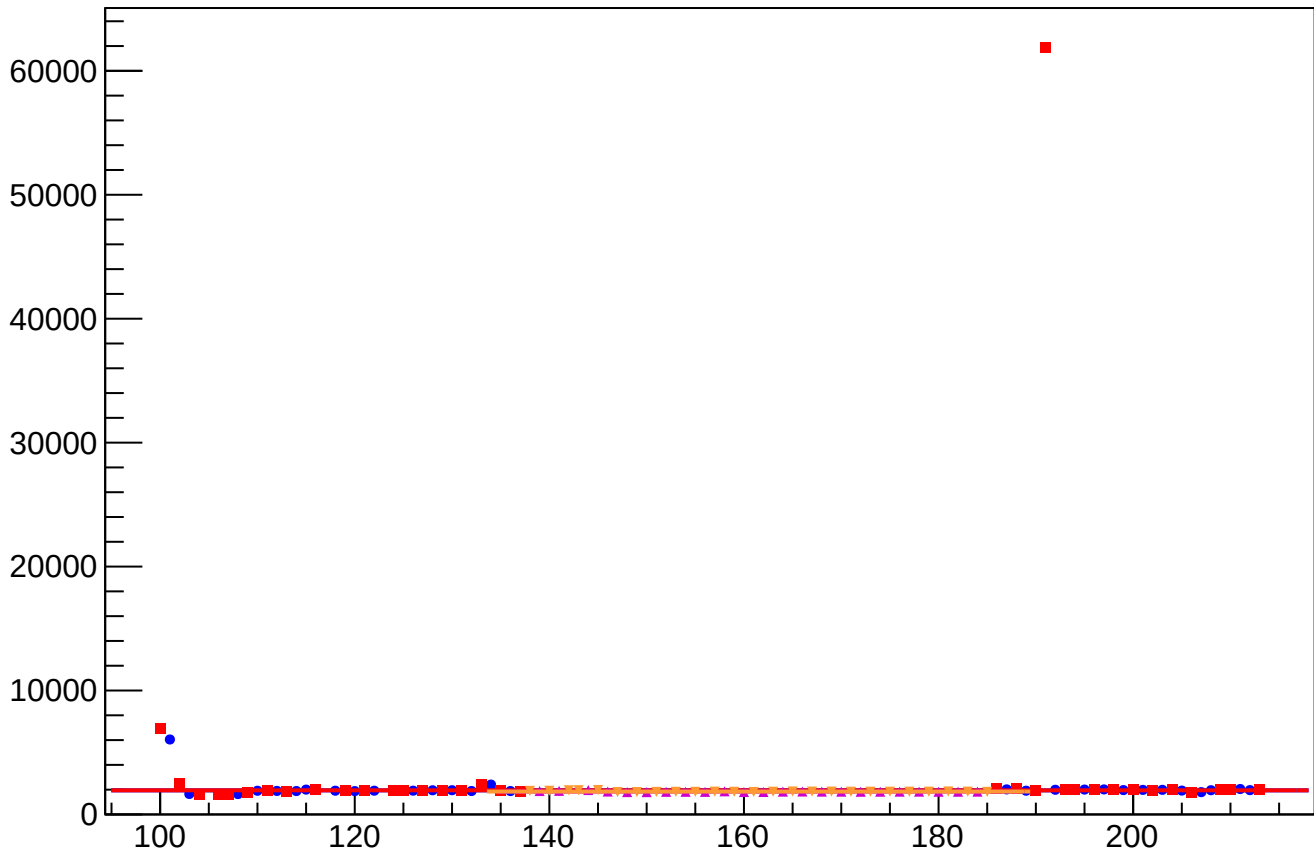
Left In: -2775.769 $\pm$ 430.870 χ^2 /NDF: 25.4/22

+ sign 2266.369 $\pm$ 313.311 χ^2 /NDF: 52.0/53

All: -16.969 $\pm$ 221.304 χ^2 /NDF: 218.9/110

- sign -2290.436 $\pm$ 312.633 χ^2 /NDF: 60.9/56

reg_asym_atr_avg_rms vs Slug



Right In: 1944.430+/-0.333 χ^2/NDF : 722932.3/28

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1947.671+/-0.321 χ^2/NDF : 424545.7/33

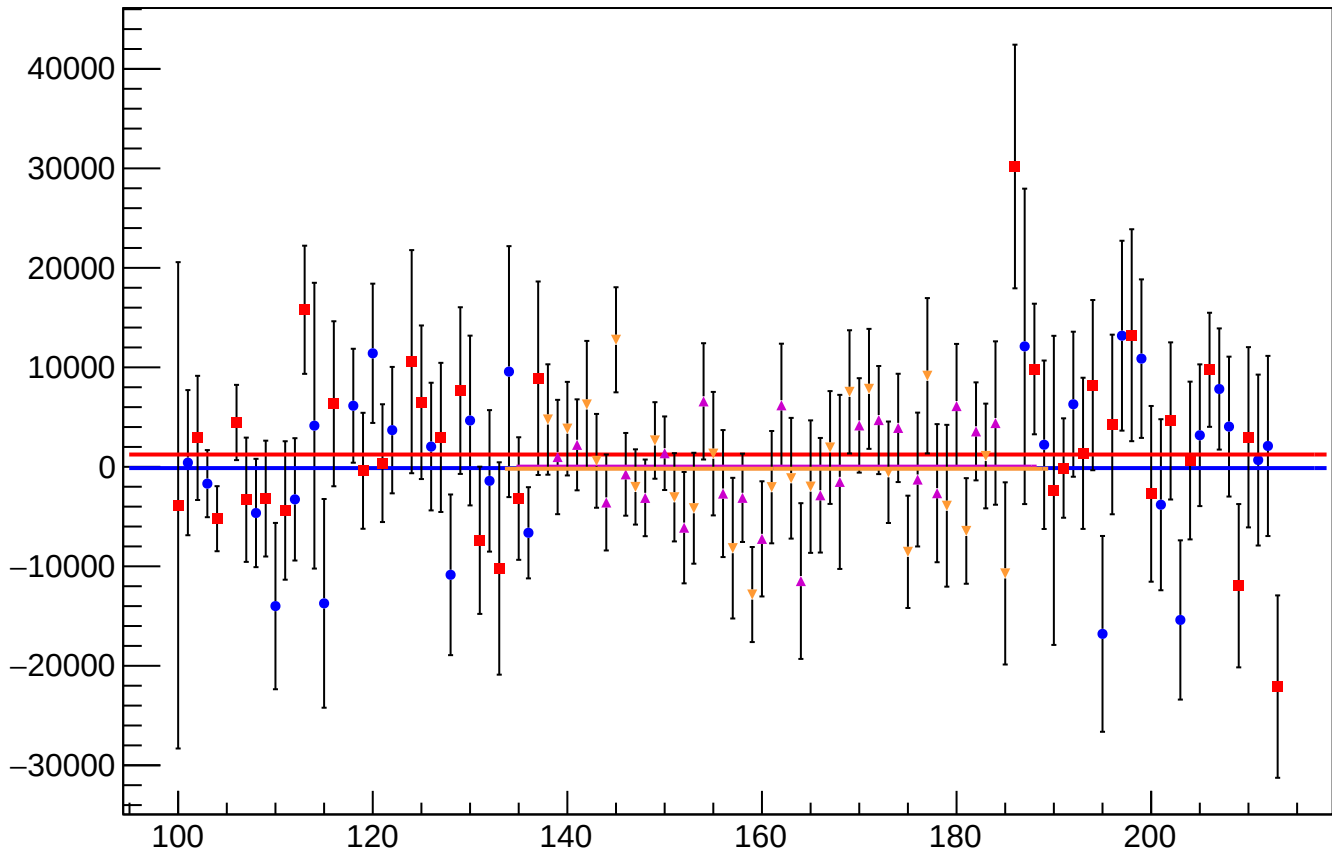
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1891.060+/-0.222 χ^2/NDF : 790073.8/53

All: 1892.395+/-0.156 χ^2/NDF : 1282509.6/11

- sign 1893.722+/-0.221 χ^2/NDF : 492363.5/56

asym_atr_avg_reg_correction_mean vs Slug



Right In: -126.170 ± 1298.136 χ^2/NDF : 29.1/28

Left Out: -189.458 ± 1088.618 χ^2/NDF : 28.9/24

Right Out: 1237.729 ± 1175.095 χ^2/NDF : 38.7/33

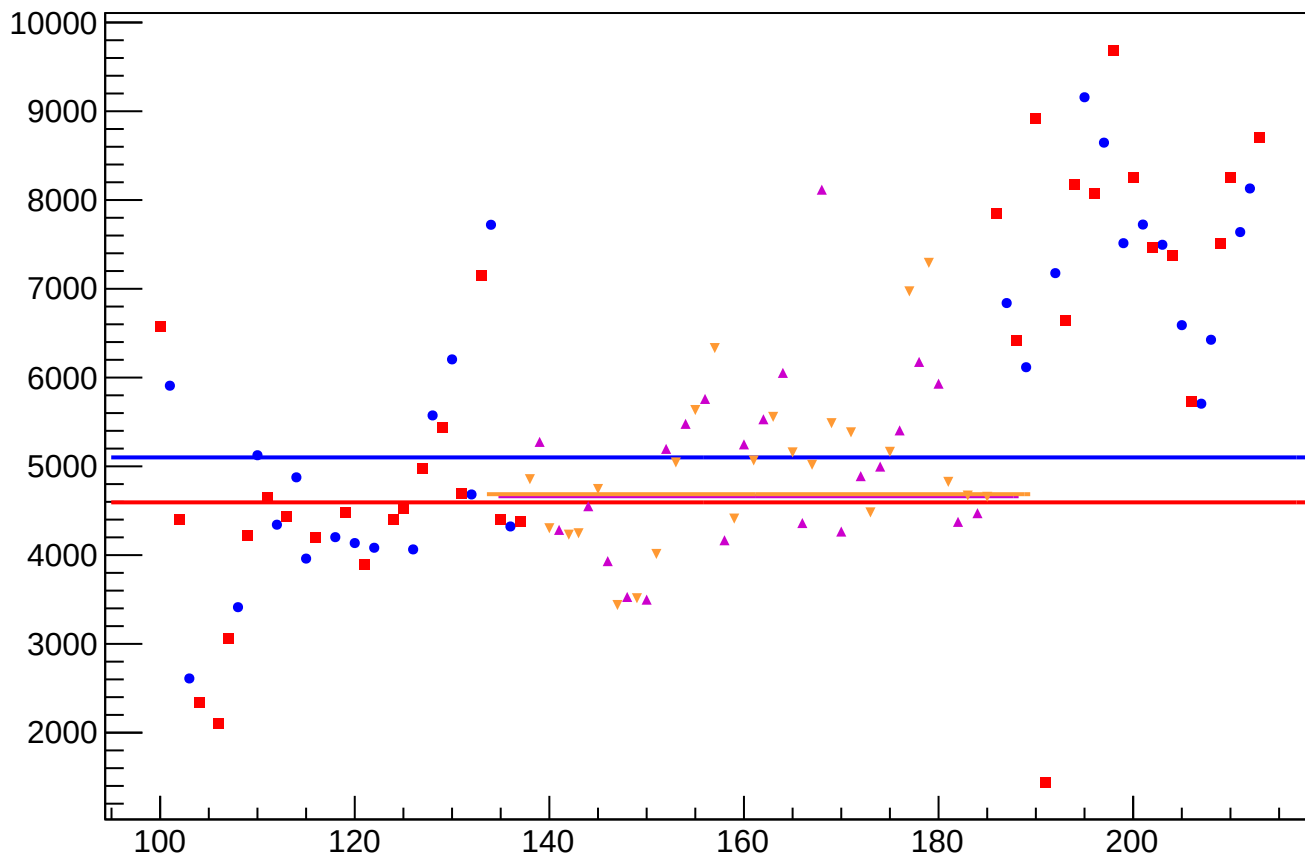
Left In: 19.391 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -163.327 ± 834.135 χ^2/NDF : 58.1/53

All: 228.095 ± 580.327 χ^2/NDF : 111.5/110

- sign 595.288 ± 807.907 χ^2/NDF : 53.0/56

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5100.710 ± 0.918 $\chi^2/\text{NDF}: 3699579.7/28$

Left Out: 4686.353 ± 0.770 $\chi^2/\text{NDF}: 1185063.7/24$

Right Out: 4594.200 ± 0.831 $\chi^2/\text{NDF}: 6553012.8/33$

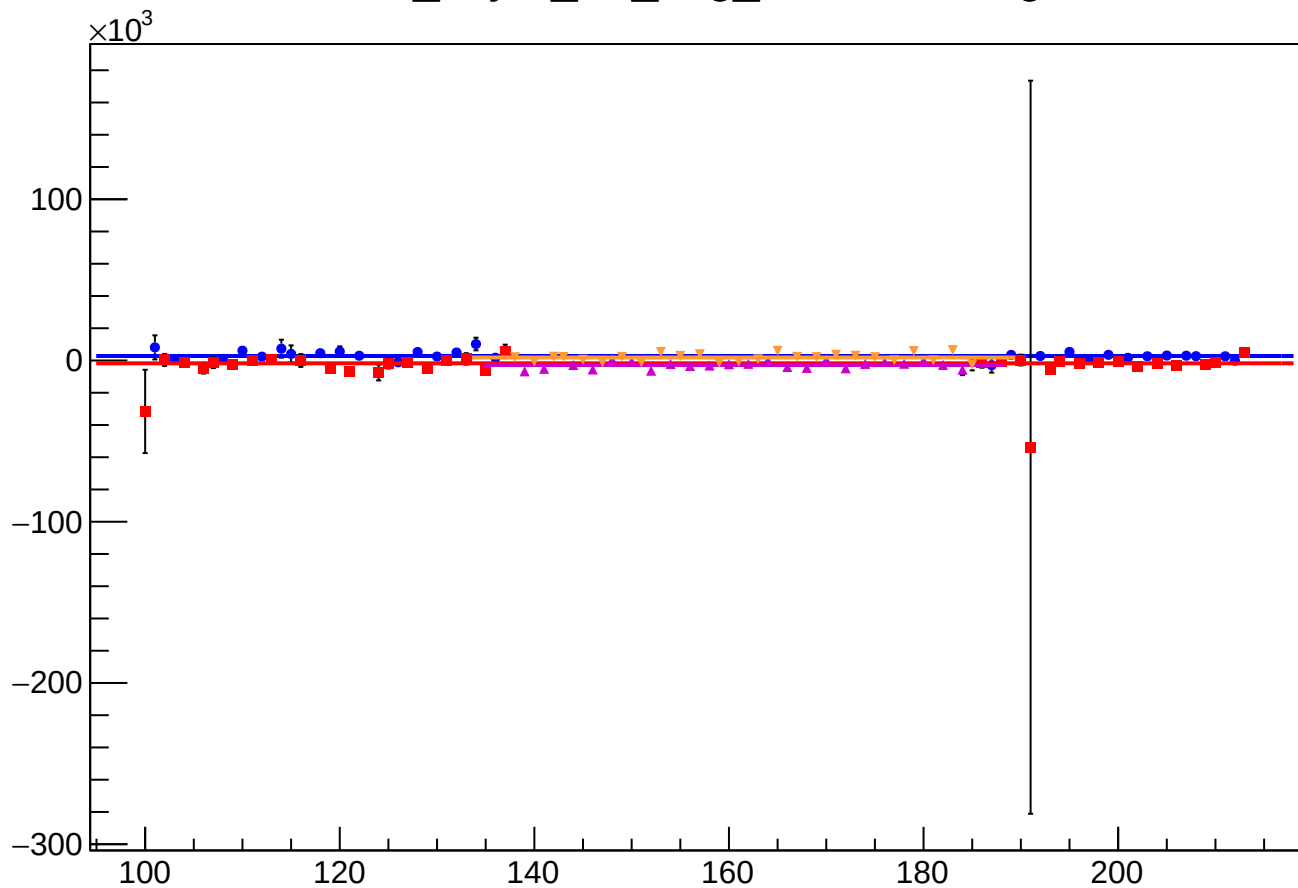
Left In: 4663.272 ± 0.787 $\chi^2/\text{NDF}: 1286726.4/22$

+ sign 4857.436 ± 0.590 $\chi^2/\text{NDF}: 5004278.6/53$

All: 4740.407 ± 0.410 $\chi^2/\text{NDF}: 12923960.8/100$

- sign 4630.622 ± 0.571 $\chi^2/\text{NDF}: 7843382.9/56$

cor_asym_atr_avg_mean vs Slug



Right In: 2785.990 $\pm$ 470.448 χ^2/NDF : 18.3/28

Left Out: 1851.888 $\pm$ 420.006 χ^2/NDF : 31.5/24

Right Out: -1751.314 $\pm$ 454.322 χ^2/NDF : 32.8/33

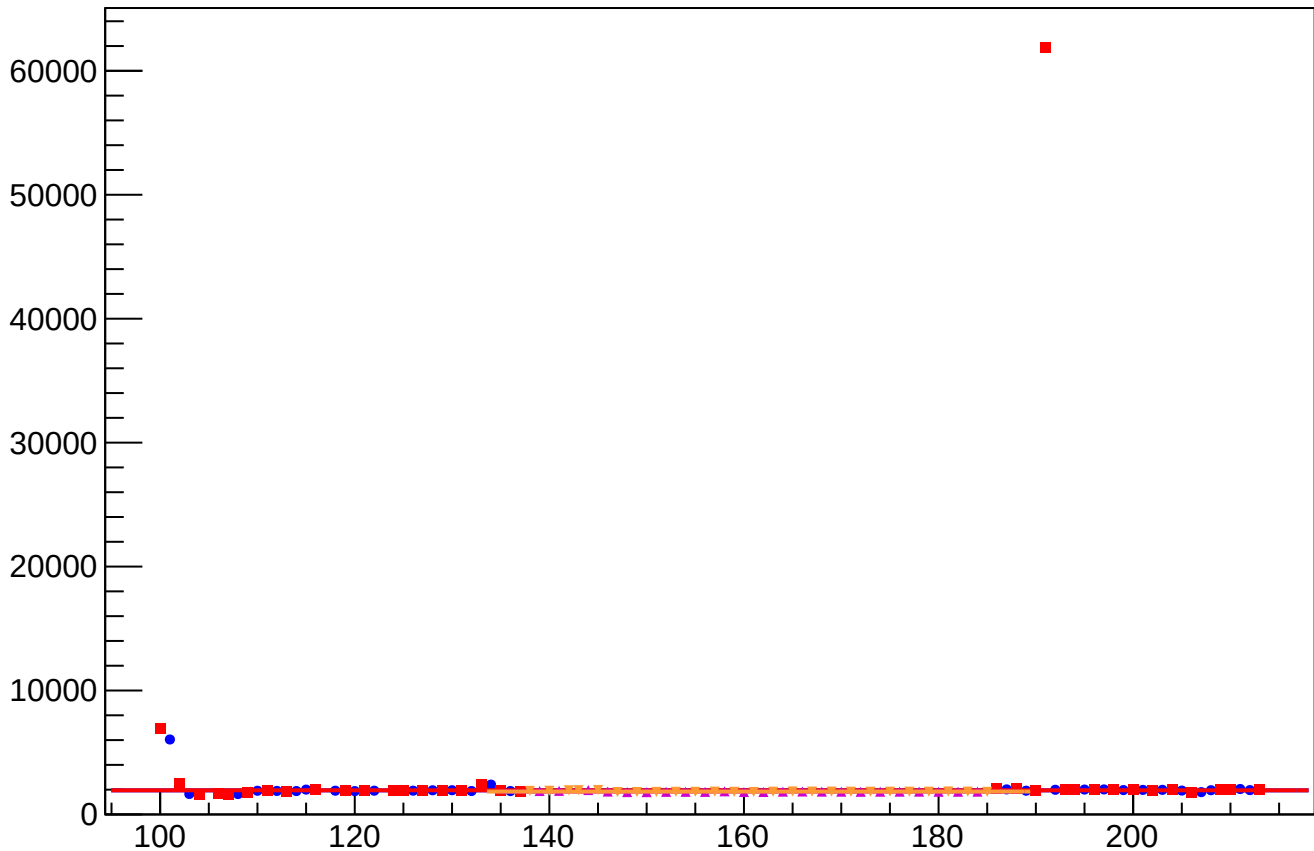
Left In: -2775.745 $\pm$ 430.870 χ^2/NDF : 25.4/22

+ sign 2266.194 $\pm$ 313.311 χ^2/NDF : 52.0/53

All: -17.162 $\pm$ 221.304 χ^2/NDF : 218.9/110

- sign -2290.652 $\pm$ 312.633 χ^2/NDF : 61.0/56

cor_asym_atr_avg_rms vs Slug



Right In: 1944.430+/-0.333 χ^2/NDF : 722931.4/28

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1949.390+/-0.321 χ^2/NDF : 416257.3/33

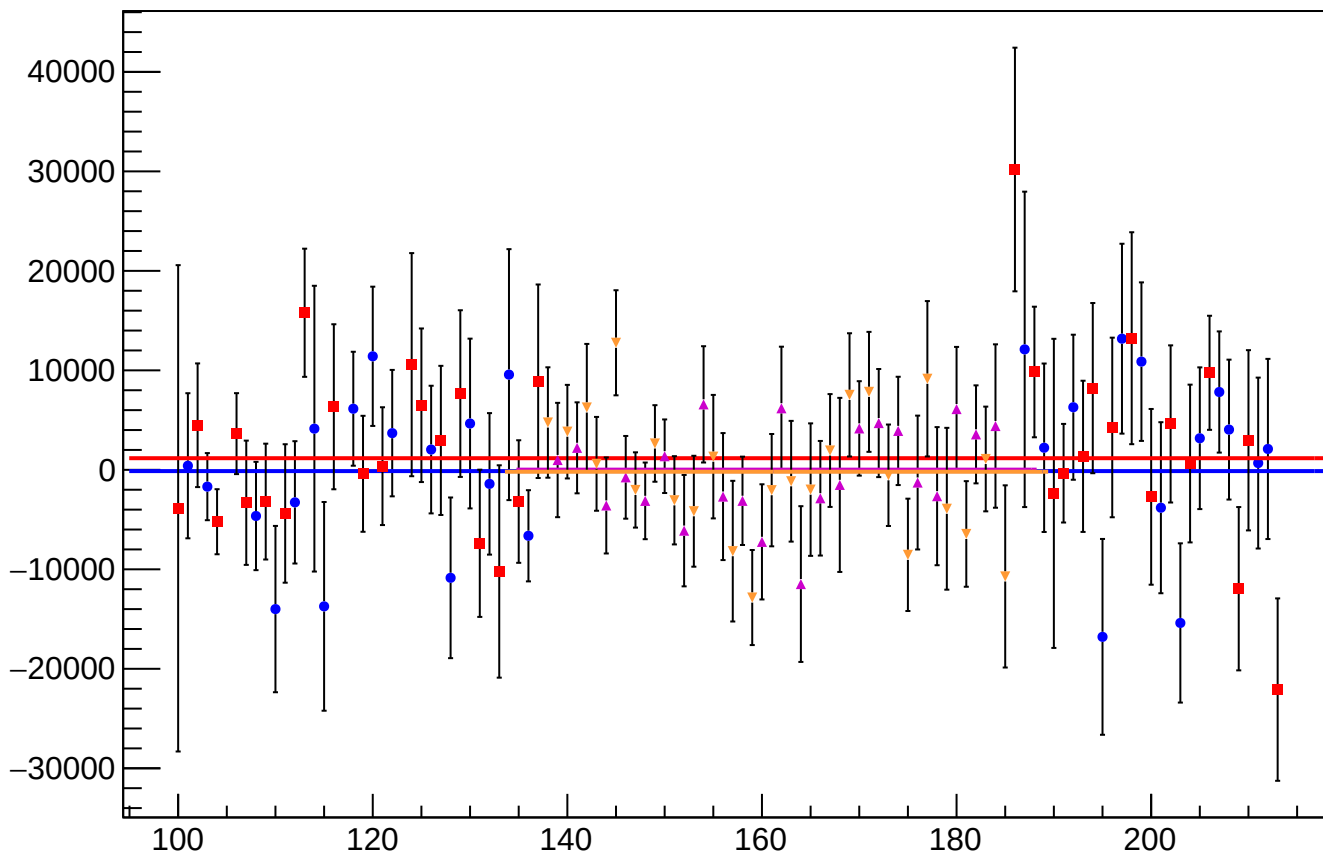
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1891.060+/-0.222 χ^2/NDF : 790073.0/53

All: 1892.783+/-0.156 χ^2/NDF : 1276040.6/11

- sign 1894.497+/-0.221 χ^2/NDF : 485847.0/56

asym_atr_avg_cor_correction_mean vs Slug



Right In: -126.365 ± 1298.137 χ^2/NDF : 29.1/28

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 1169.133 ± 1182.191 χ^2/NDF : 38.5/33

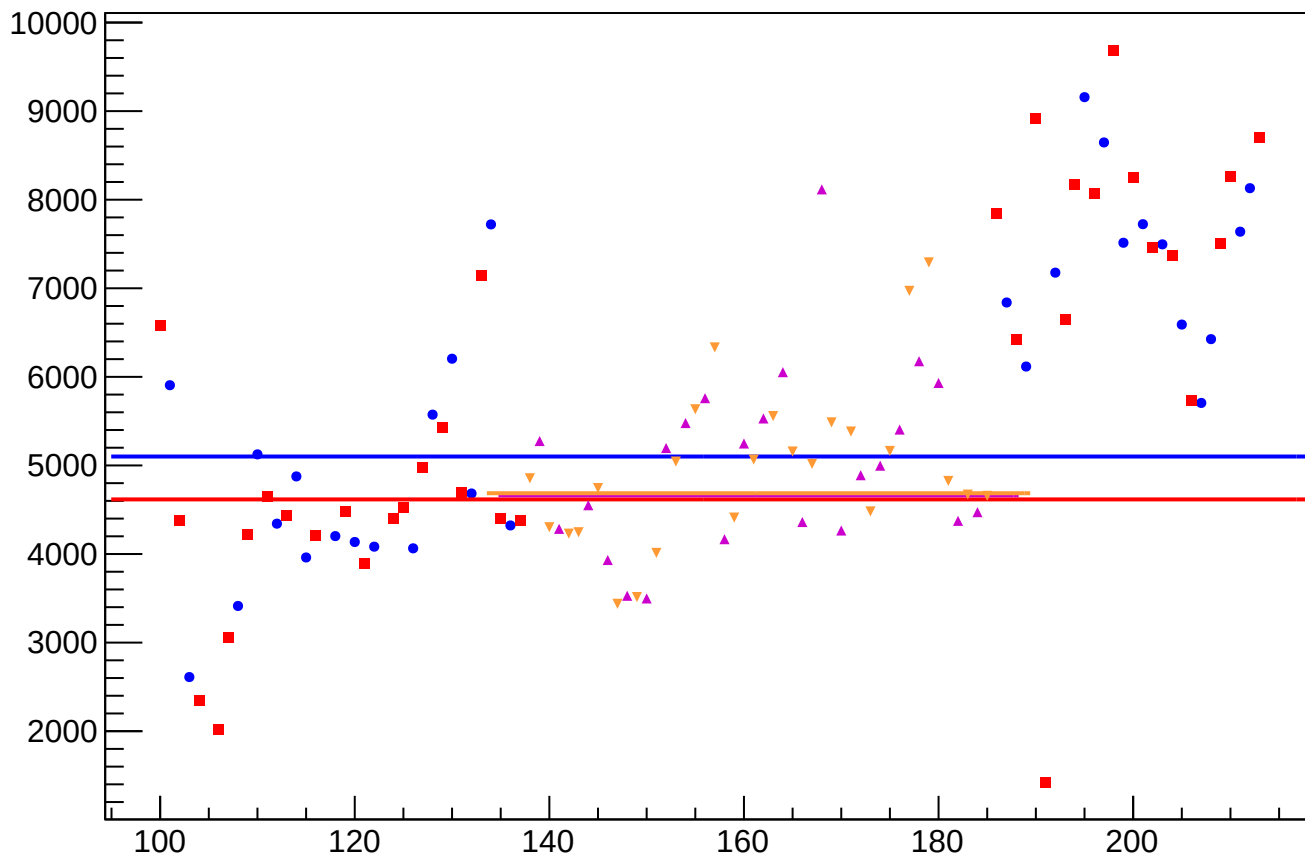
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -163.425 ± 834.134 χ^2/NDF : 58.1/53

All: 208.524 ± 581.176 χ^2/NDF : 111.2/110

- sign 559.435 ± 810.203 χ^2/NDF : 52.8/56

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5100.774+/-0.918 χ^2/NDF : 3698930.9/28

Left Out: 4686.346+/-0.770 χ^2/NDF : 1185089.0/24

Right Out: 4616.547+/-0.836 χ^2/NDF : 6501051.5/33

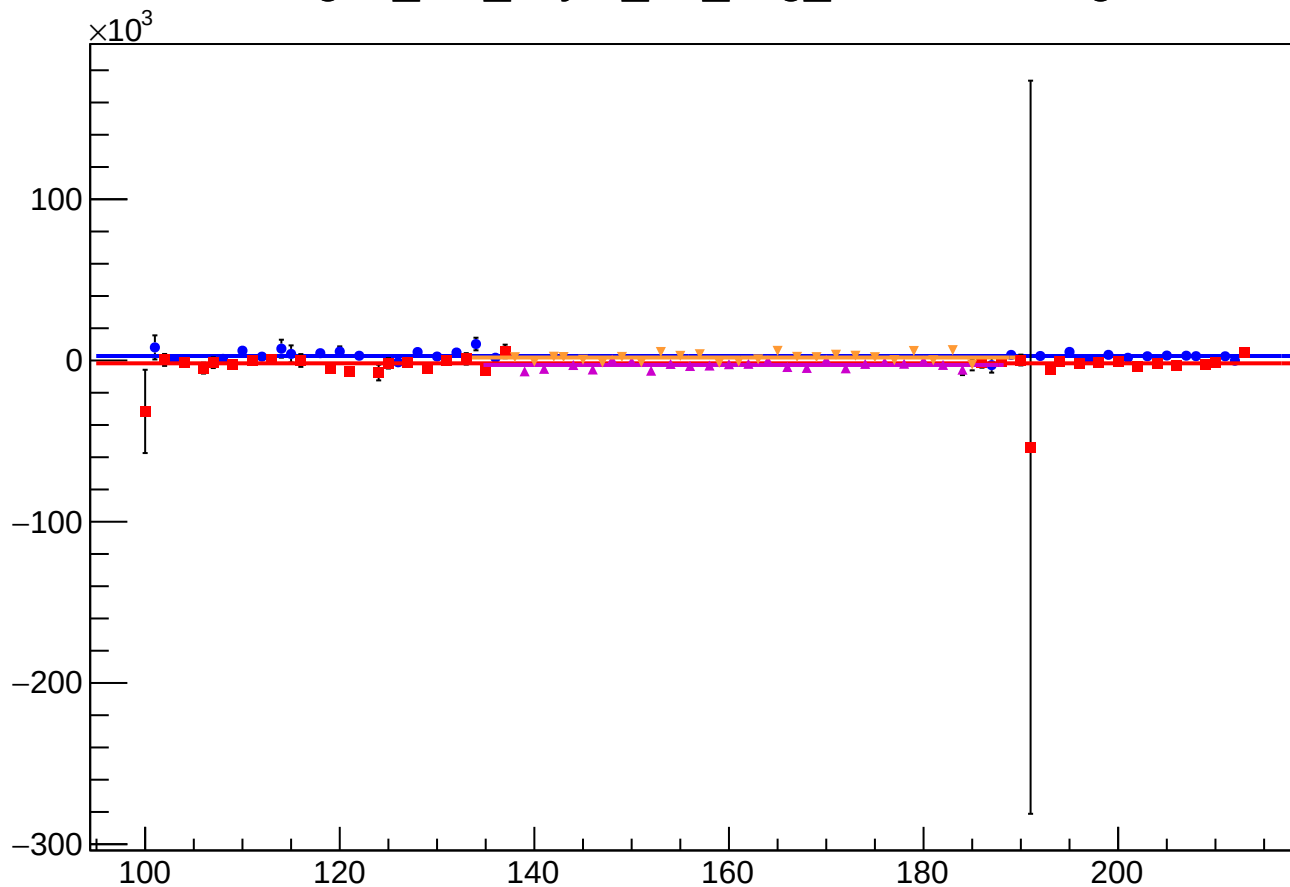
Left In: 4663.273+/-0.787 χ^2/NDF : 1286722.8/22

+ sign 4857.458+/-0.590 χ^2/NDF : 5003696.3/53

All: 4746.247+/-0.411 χ^2/NDF : 12862218.8/1

- sign 4641.326+/-0.573 χ^2/NDF : 7789431.2/56

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2785.990 ± 470.448 χ^2/NDF : 18.3/28

Left Out: 1851.888 ± 420.006 χ^2/NDF : 31.5/24

Right Out: -1751.314 ± 454.322 χ^2/NDF : 32.8/33

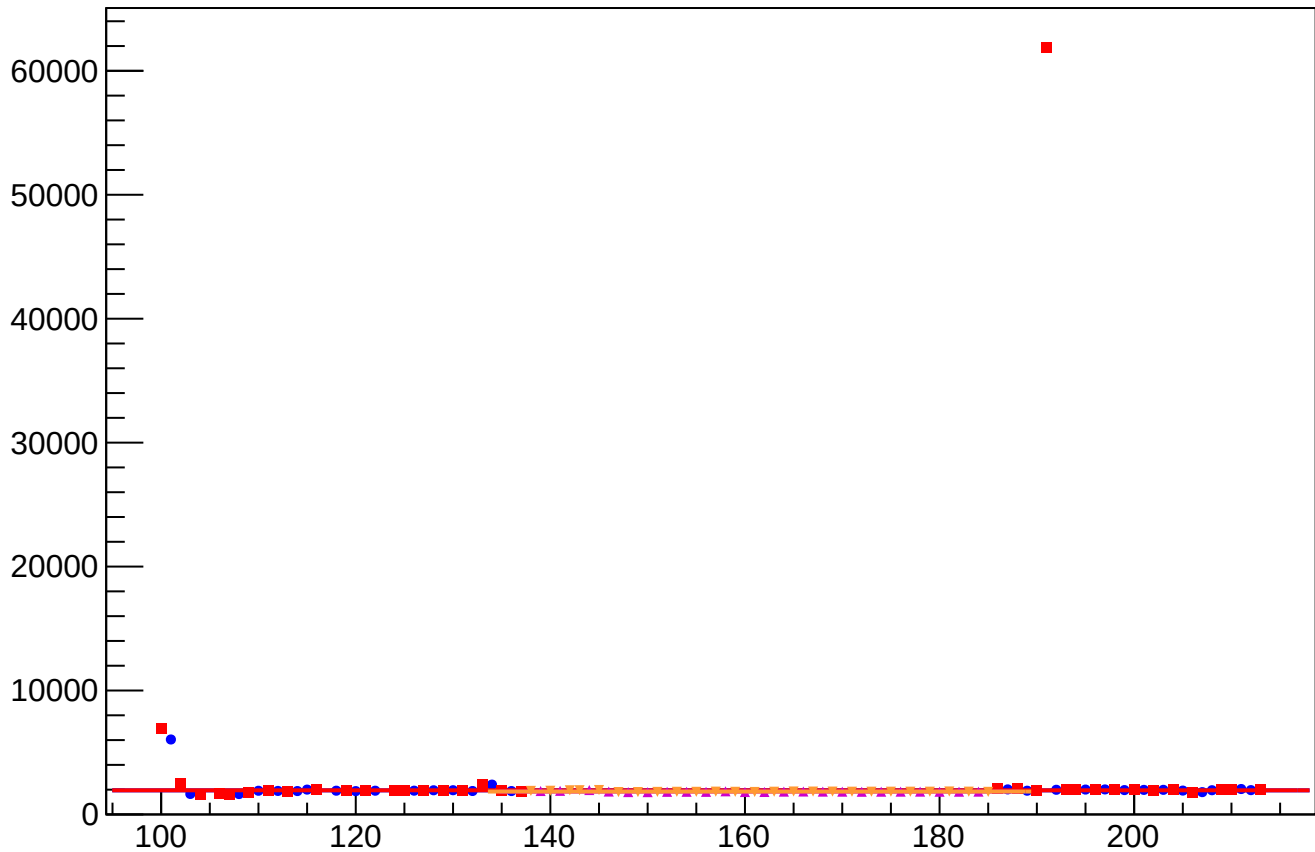
Left In: -2775.745 ± 430.870 χ^2/NDF : 25.4/22

+ sign 2266.194 ± 313.311 χ^2/NDF : 52.0/53

All: -17.162 ± 221.304 χ^2/NDF : 218.9/110

- sign -2290.652 ± 312.633 χ^2/NDF : 61.0/56

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1944.430+/-0.333 χ^2/NDF : 722931.4/28

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1949.390+/-0.321 χ^2/NDF : 416257.3/33

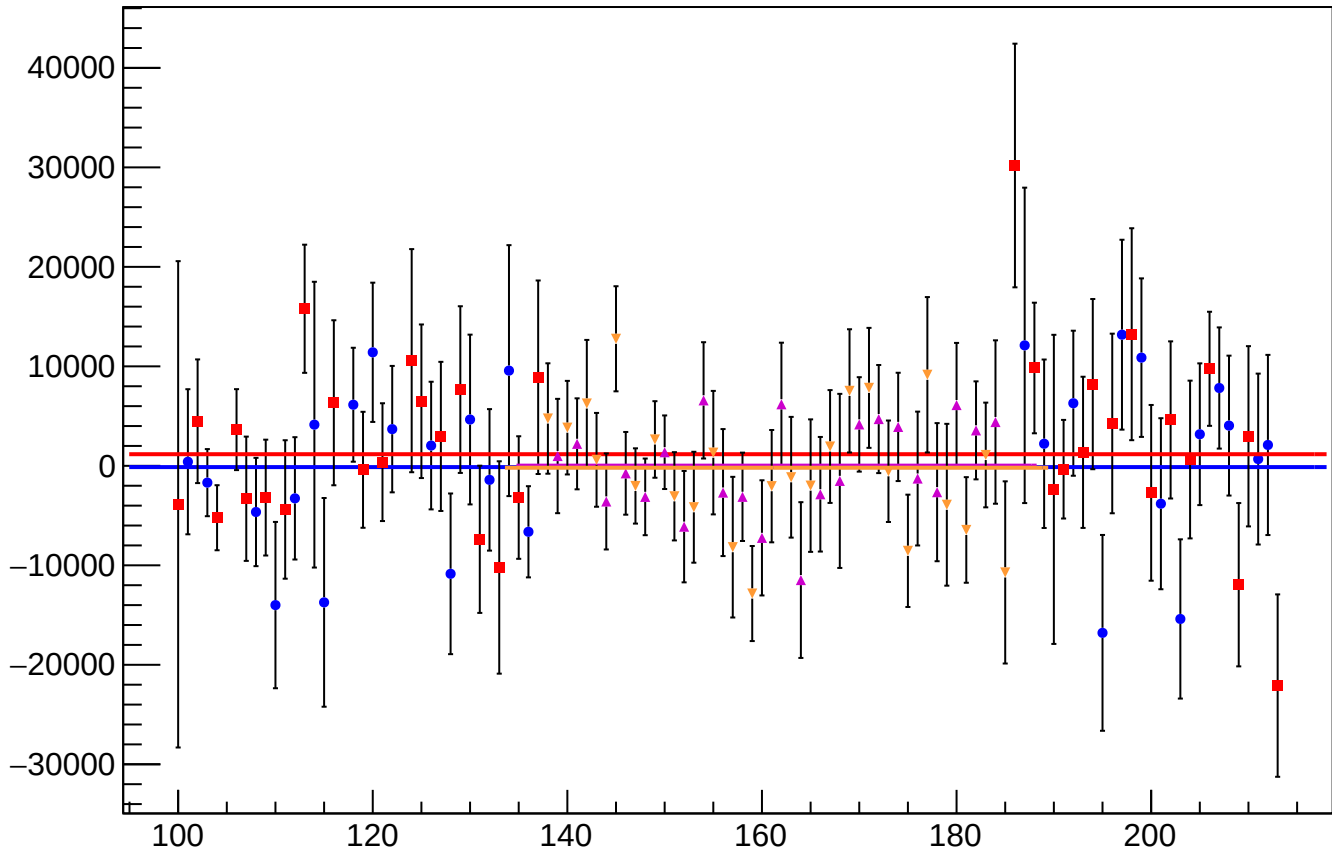
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1891.060+/-0.222 χ^2/NDF : 790073.0/53

All: 1892.783+/-0.156 χ^2/NDF : 1276040.6/11

- sign 1894.497+/-0.221 χ^2/NDF : 485847.0/56

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -126.365+/-1298.137 χ^2/NDF : 29.1/28

Left Out: -189.487+/-1088.617 χ^2/NDF : 28.9/24

Right Out: 1169.133+/-1182.191 χ^2/NDF : 38.5/33

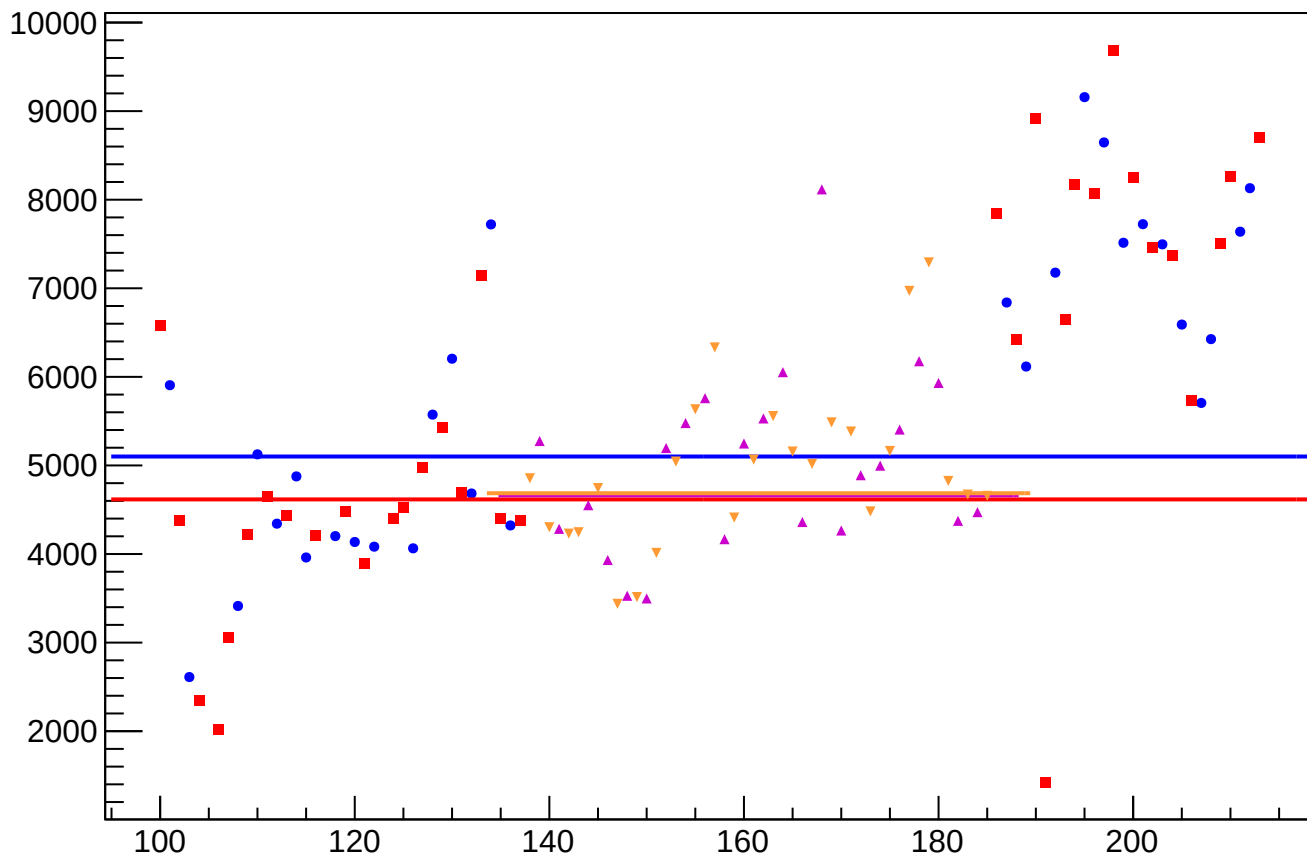
Left In: 19.431+/-1112.574 χ^2/NDF : 13.7/22

+ sign -163.425+/-834.134 χ^2/NDF : 58.1/53

All: 208.524+/-581.176 χ^2/NDF : 111.2/110

- sign 559.435+/-810.203 χ^2/NDF : 52.8/56

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5100.774+/-0.918 χ^2/NDF : 3698930.9/28

Left Out: 4686.346+/-0.770 χ^2/NDF : 1185089.0/24

Right Out: 4616.547+/-0.836 χ^2/NDF : 6501051.5/33

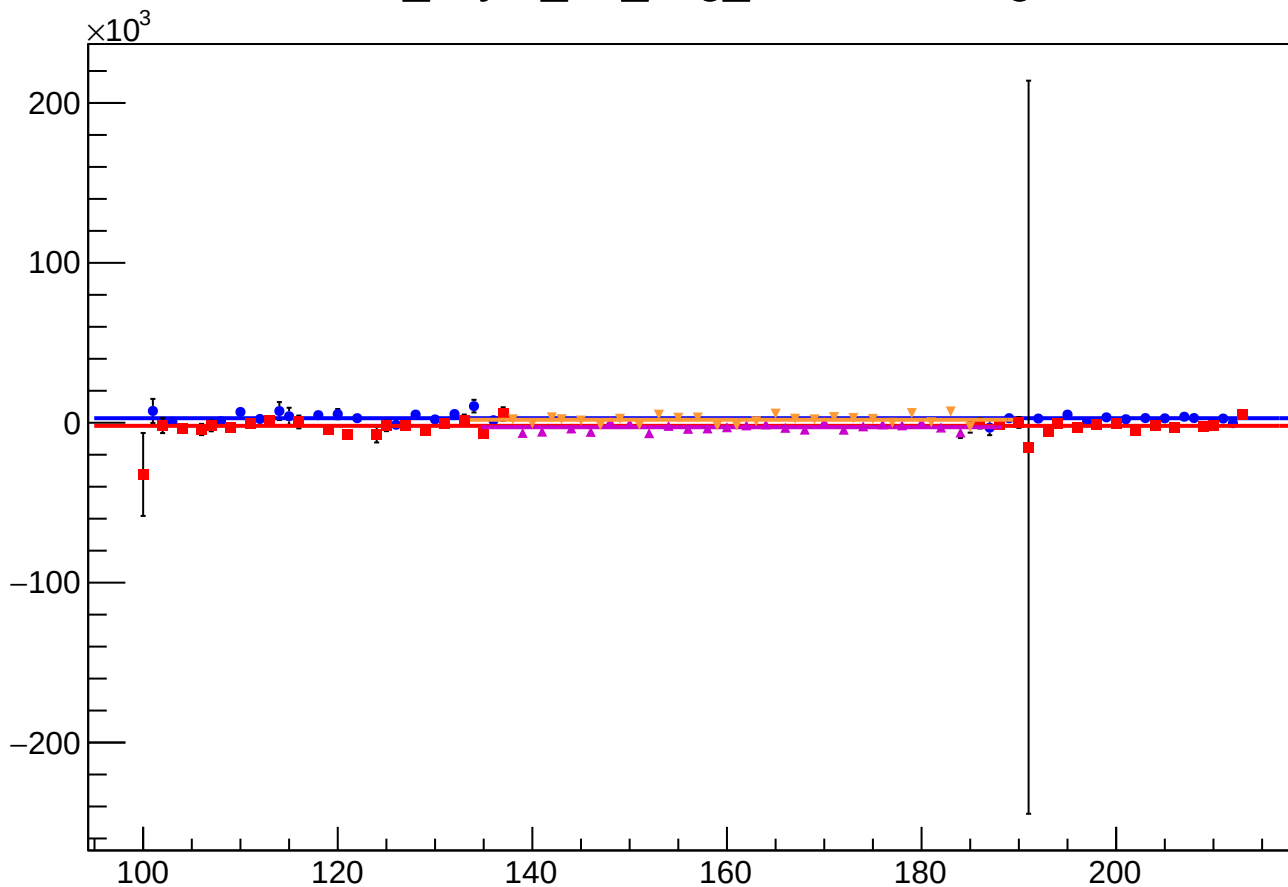
Left In: 4663.273+/-0.787 χ^2/NDF : 1286722.8/22

+ sign 4857.458+/-0.590 χ^2/NDF : 5003696.3/53

All: 4746.247+/-0.411 χ^2/NDF : 12862218.8/1

- sign 4641.326+/-0.573 χ^2/NDF : 7789431.2/56

dit_asym_atr_avg_mean vs Slug



Right In: 2838.588 $\pm$ 479.680 χ^2/NDF : 18.8/28

Left Out: 1880.927 $\pm$ 428.980 χ^2/NDF : 32.9/24

Right Out: -1936.219 $\pm$ 464.154 χ^2/NDF : 34.4/33

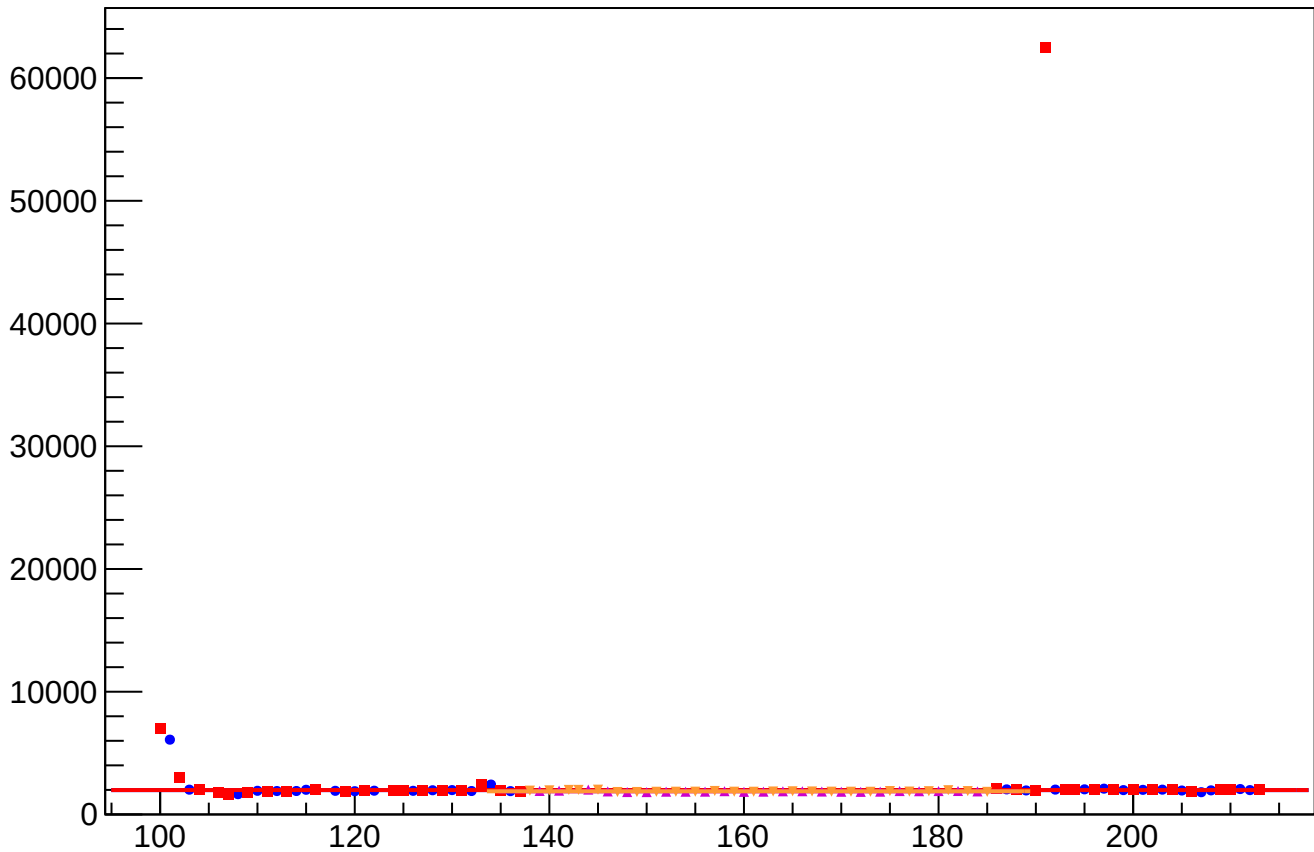
Left In: -2798.435 $\pm$ 439.234 χ^2/NDF : 25.4/22

+ sign 2306.490 $\pm$ 319.763 χ^2/NDF : 53.9/53

All: -47.677 $\pm$ 225.847 χ^2/NDF : 223.8/110

- sign -2391.093 $\pm$ 319.032 χ^2/NDF : 61.7/56

dit_asym_atr_avg_rms vs Slug



Right In: 1983.182 $\pm$ 0.339 χ^2 /NDF: 693308.9/28

Left Out: 1887.545 $\pm$ 0.303 χ^2 /NDF: 31955.7/24

Right Out: 1987.990 $\pm$ 0.328 χ^2 /NDF: 436079.3/33

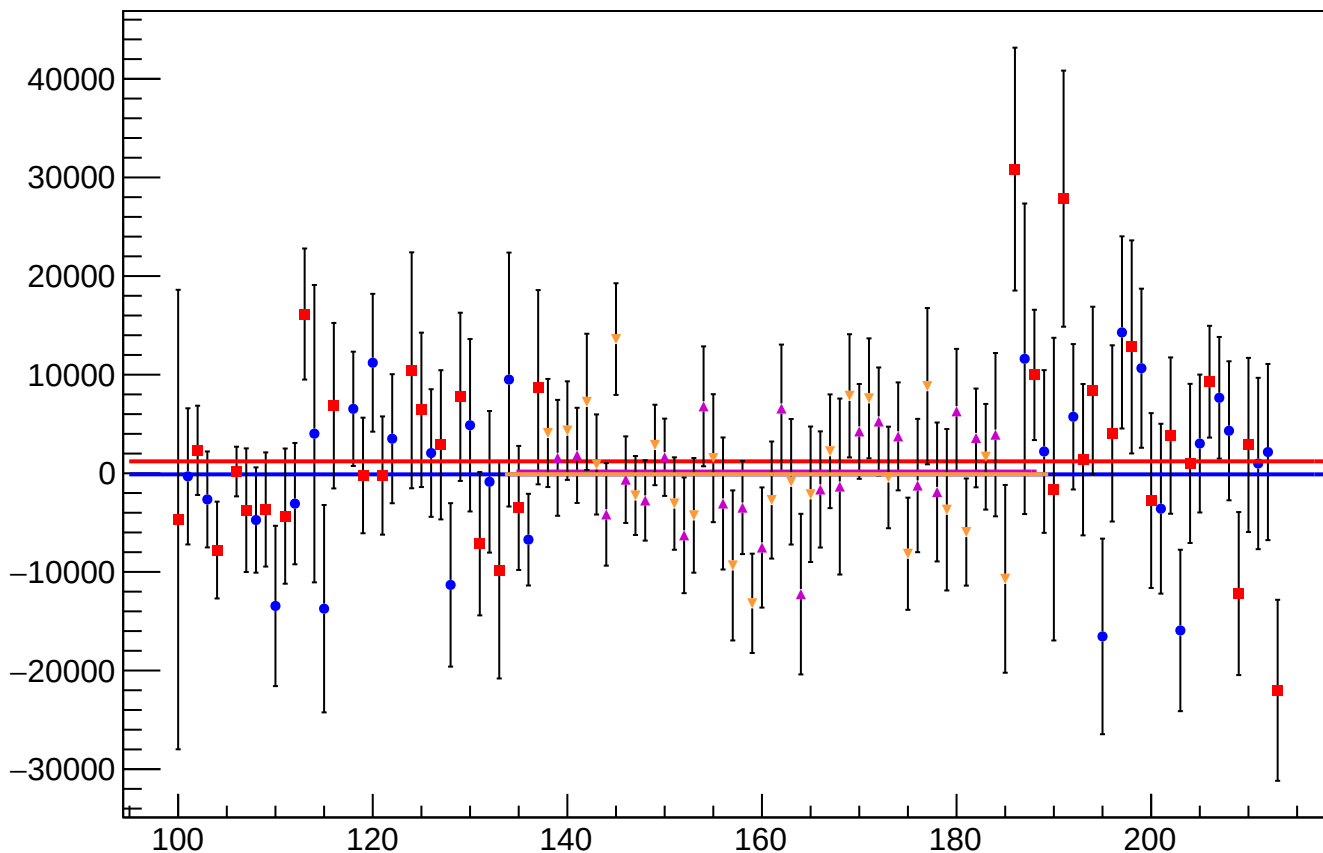
Left In: 1880.575 $\pm$ 0.311 χ^2 /NDF: 19037.6/22

+ sign 1930.044 $\pm$ 0.226 χ^2 /NDF: 769438.0/53

All: 1930.694 $\pm$ 0.160 χ^2 /NDF: 1281100.2/11

- sign 1931.340 $\pm$ 0.226 χ^2 /NDF: 511645.7/56

asym_atr_avg_dit_correction_mean vs Slug



Right In: -107.376 ± 1355.347 χ^2/NDF : 28.9/28

Left Out: -91.889 ± 1133.233 χ^2/NDF : 28.1/24

Right Out: 1212.657 ± 1159.419 χ^2/NDF : 41.6/33

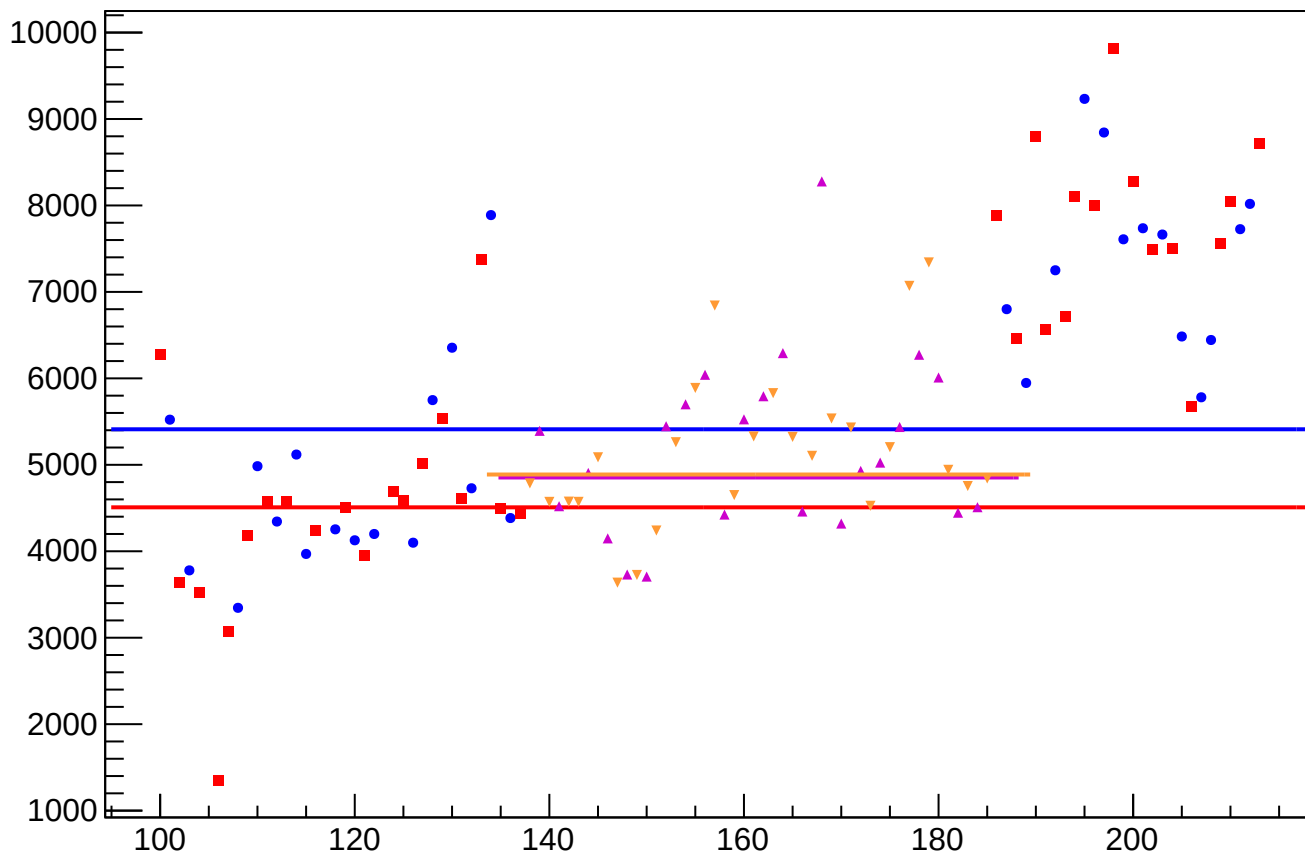
Left In: 177.137 ± 1156.061 χ^2/NDF : 13.5/22

+ sign -98.261 ± 869.381 χ^2/NDF : 57.0/53

All: 321.341 ± 595.998 χ^2/NDF : 113.0/110

- sign 693.395 ± 818.643 χ^2/NDF : 55.5/56

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5411.006 $\pm$ 0.958 χ^2 /NDF: 2692431.6/28

Left Out: 4887.823 $\pm$ 0.801 χ^2 /NDF:1063298.6/24

Right Out: 4508.171 $\pm$ 0.820 χ^2 /NDF: 7495998.8/33

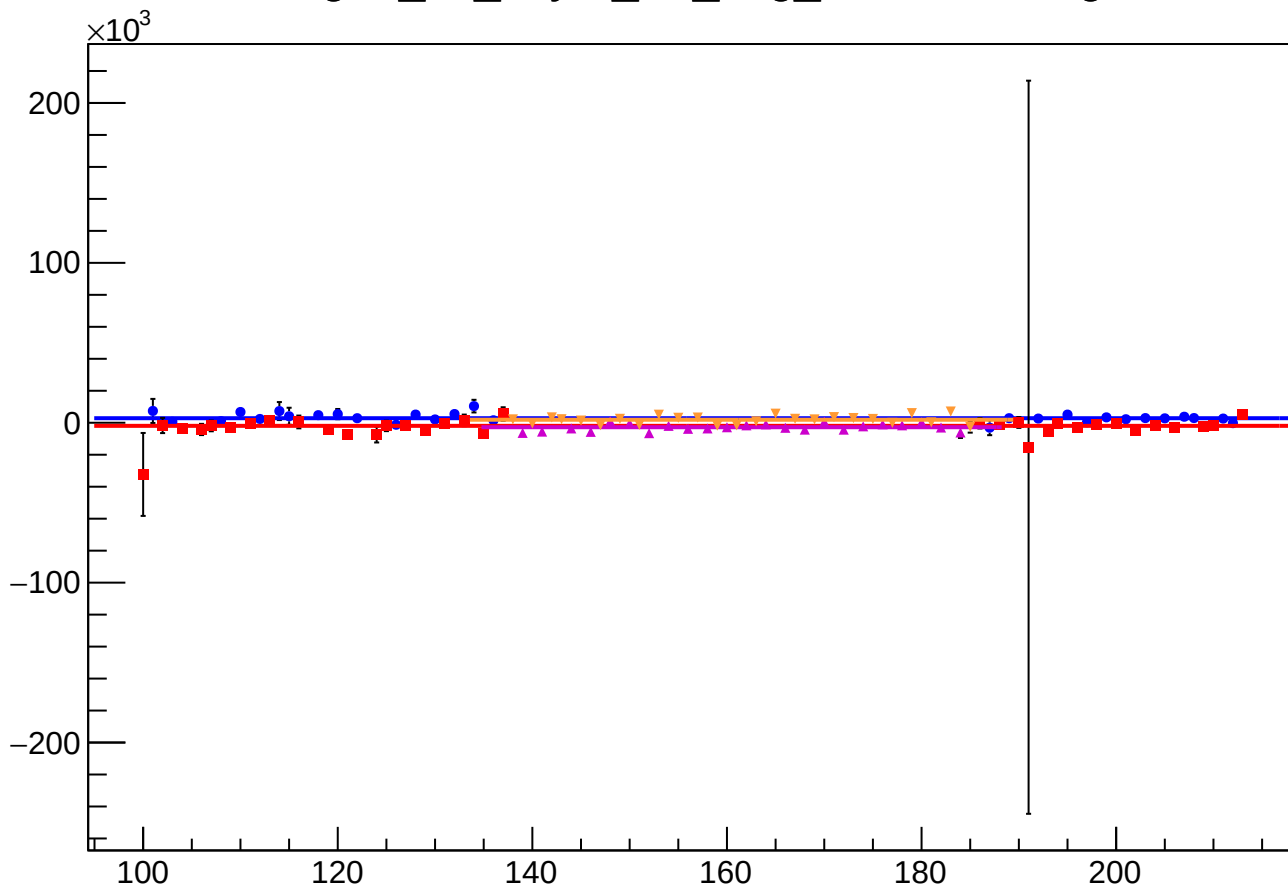
Left In: 4853.363 $\pm$ 0.817 χ^2 /NDF:1178636.9/22

+ sign 5103.088 $\pm$ 0.615 χ^2 /NDF: 3931125.5/53

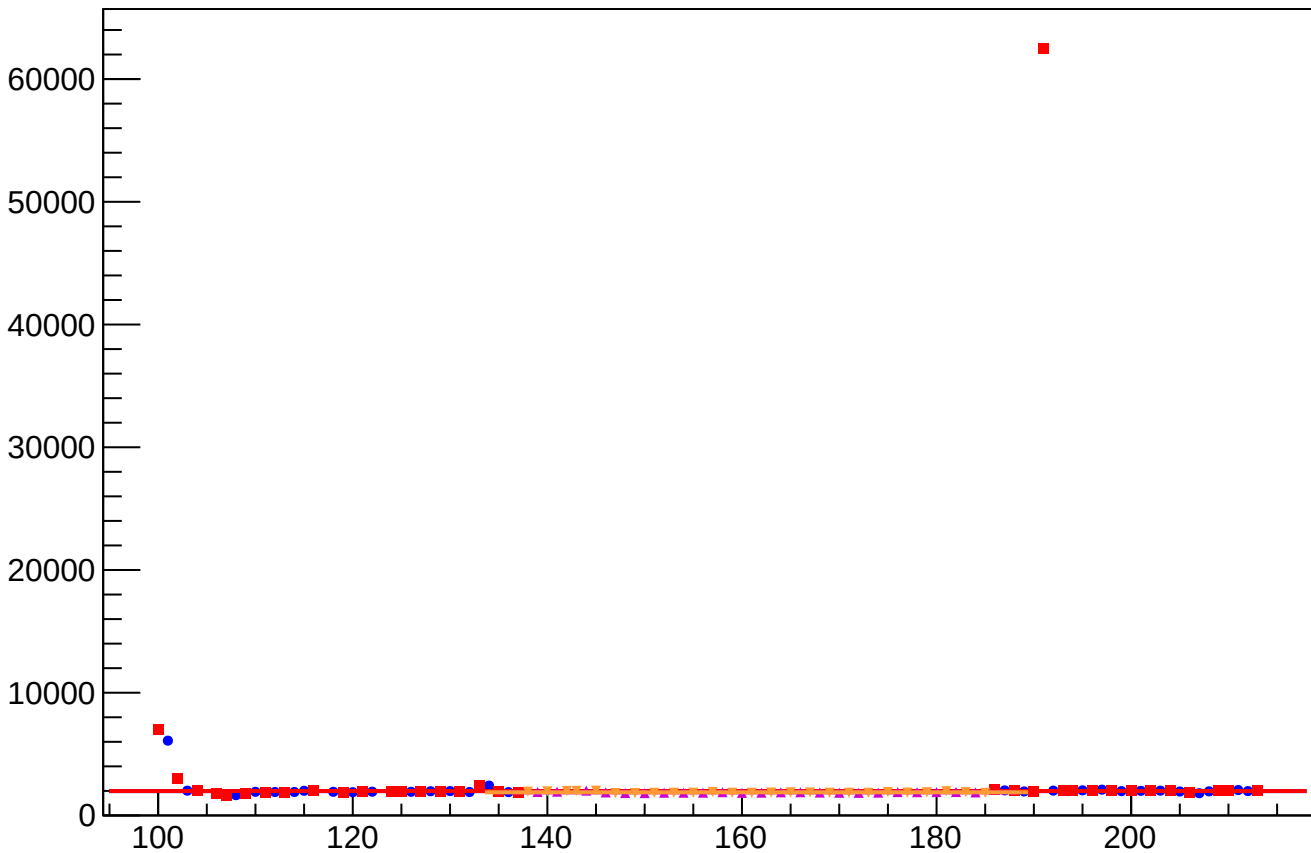
All: 4879.510 $\pm$ 0.421 χ^2 /NDF: 12944214.2/1

- sign 4681.268 $\pm$ 0.579 χ^2 /NDF: 8763534.9/56

eigen_dit_asym_atr_avg_mean vs Slug



eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1983.182+/-0.339 χ^2/NDF : 693309.0/28

Left Out: 1887.546+/-0.303 χ^2/NDF :31955.8/24

+ sign 1930.044+/-0.226 χ^2/NDF : 769437.4/53

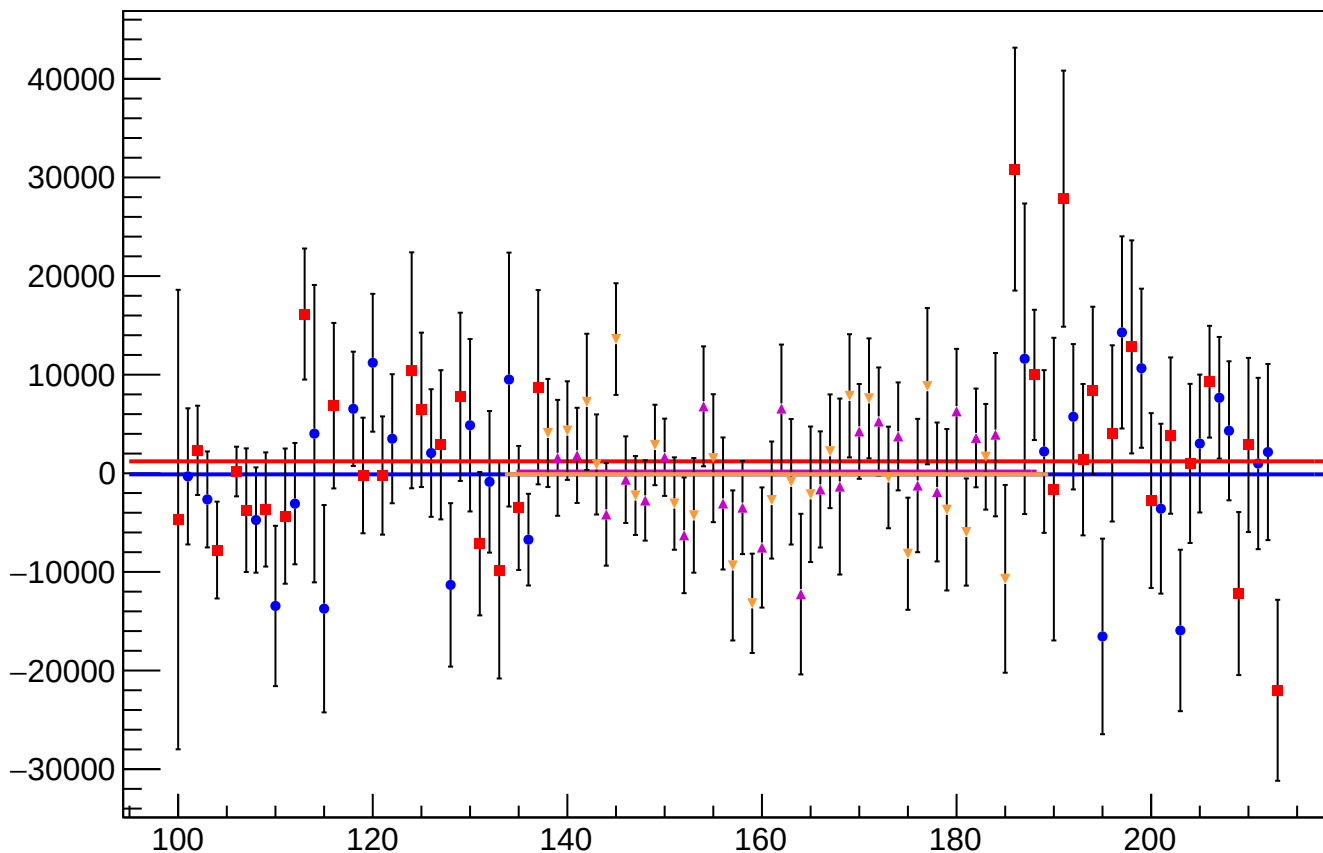
Right Out: 1987.990 ± 0.328 $\chi^2/\text{NDF}: 436078.8/33$

All: 1930.694+/-0.160 χ^2/NDF : 1281098.3/11

- sign 1931.341+/-0.226 χ^2/NDF : 511644.3/56

Left In: 1880.576+/-0.311 χ^2/NDF :19037.6/22

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -107.368 ± 1355.346 χ^2/NDF : 28.9/28

Left Out: -91.892 ± 1133.235 χ^2/NDF : 28.1/24

Right Out: 1212.655 ± 1159.417 χ^2/NDF : 41.6/33

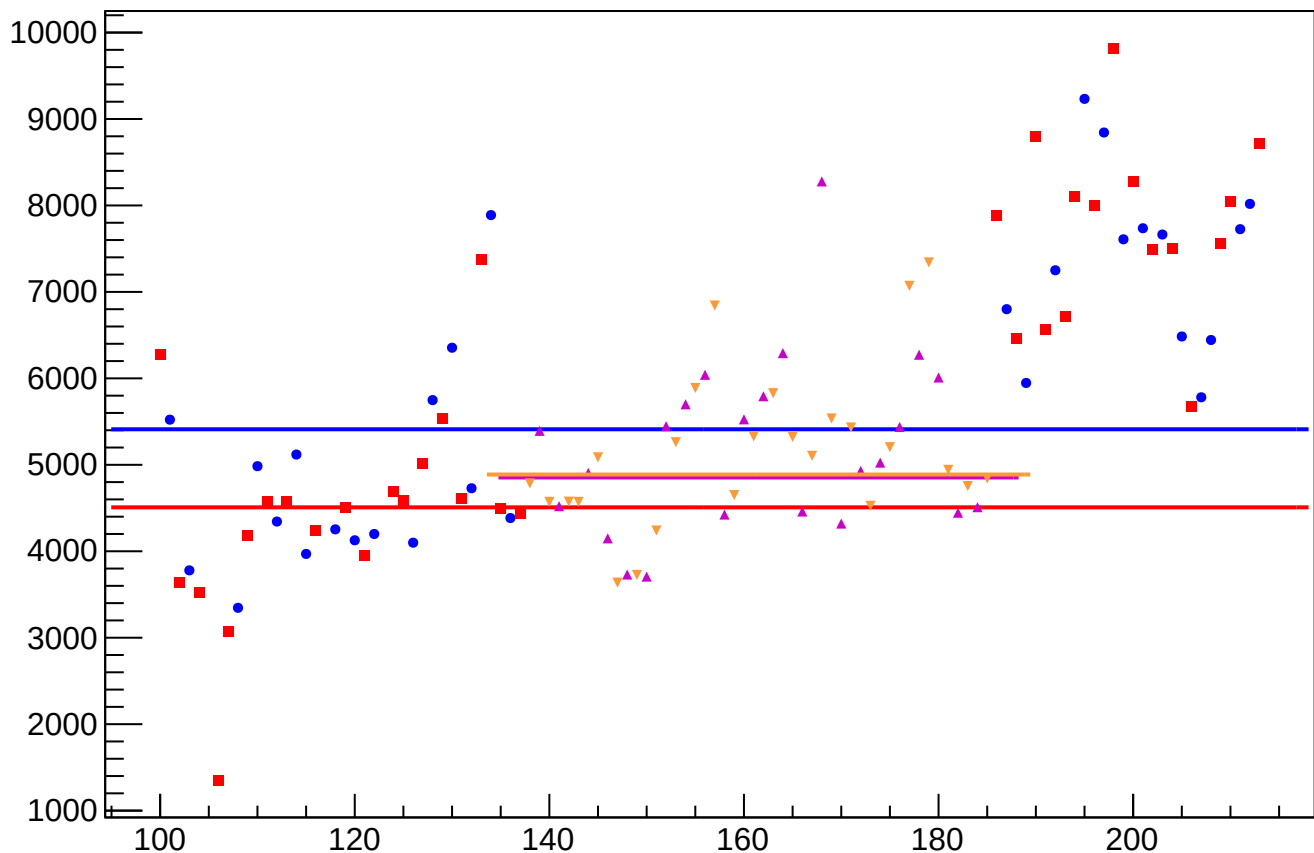
Left In: 177.140 ± 1156.062 χ^2/NDF : 13.5/22

+ sign -98.260 ± 869.382 χ^2/NDF : 57.0/53

All: 321.342 ± 595.999 χ^2/NDF : 113.0/110

- sign 693.397 ± 818.643 χ^2/NDF : 55.5/56

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5411.001 $\pm$ 0.958 χ^2 /NDF: 2692453.7/28

Left Out: 4887.830 $\pm$ 0.801 χ^2 /NDF:1063300.0/24

Right Out: 4508.163 $\pm$ 0.820 χ^2 /NDF: 7496041.4/33

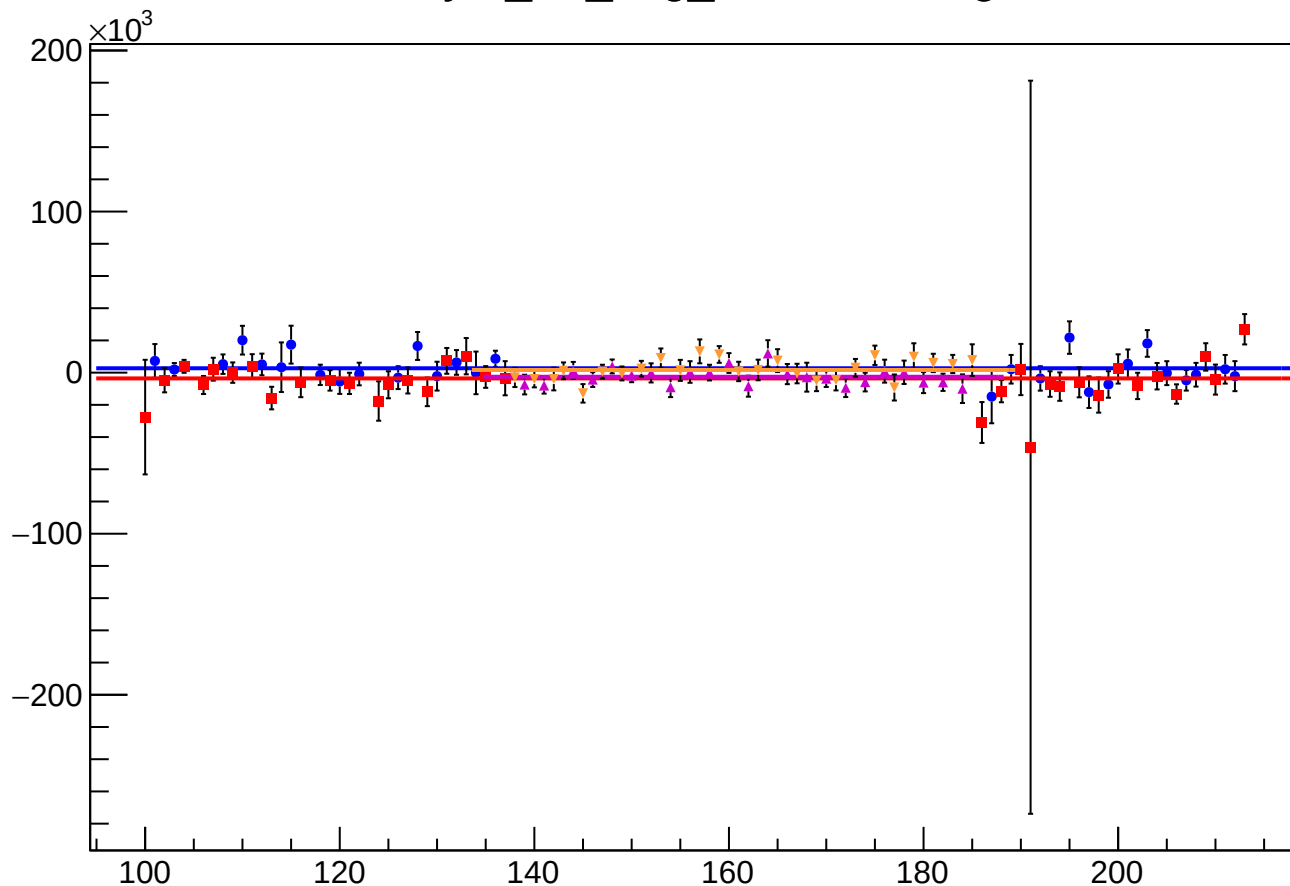
Left In: 4853.371 $\pm$ 0.817 χ^2 /NDF:1178639.4/22

+ sign 5103.091 $\pm$ 0.615 χ^2 /NDF: 3931140.6/53

All: 4879.511 $\pm$ 0.421 χ^2 /NDF: 12944287.7/1

- sign 4681.267 $\pm$ 0.579 χ^2 /NDF: 8763588.4/56

asym_atr_avg_mean vs Slug



Right In: 2719.047 $\pm$ 1419.680 χ^2 /NDF: 27.7/28

Left Out: 1654.615 $\pm$ 1178.652 χ^2 /NDF:26.0/24

Right Out: -3579.045 $\pm$ 1356.071 χ^2 /NDF: 39.6/33

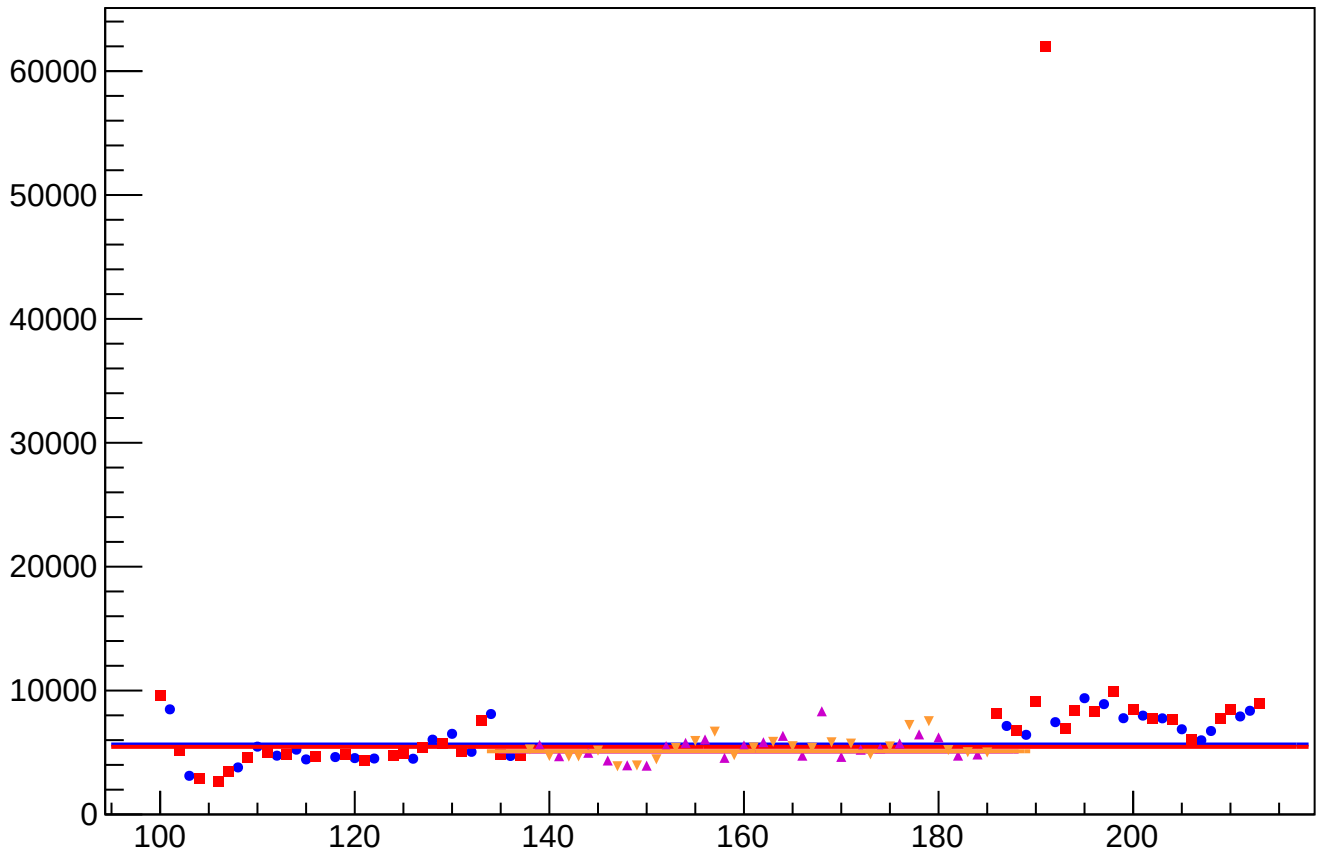
Left In: -2563.603 $\pm$ 1204.450 χ^2 /NDF:16.0/22

+ sign 2088.934 $\pm$ 906.851 χ^2 /NDF: 54.0/53

All: -479.076 $\pm$ 638.994 χ^2 /NDF: 125.8/110

- sign -3011.405 $\pm$ 900.529 χ^2 /NDF: 55.9/56

asym_atr_avg_rms vs Slug



Right In: 5645.887+/-1.004 χ^2/NDF : 2997160.4/28

Left Out: 5100.641+/-0.833 χ^2/NDF : 909330.5/24

Right Out: 5457.033+/-0.953 χ^2/NDF : 4260916.5/33

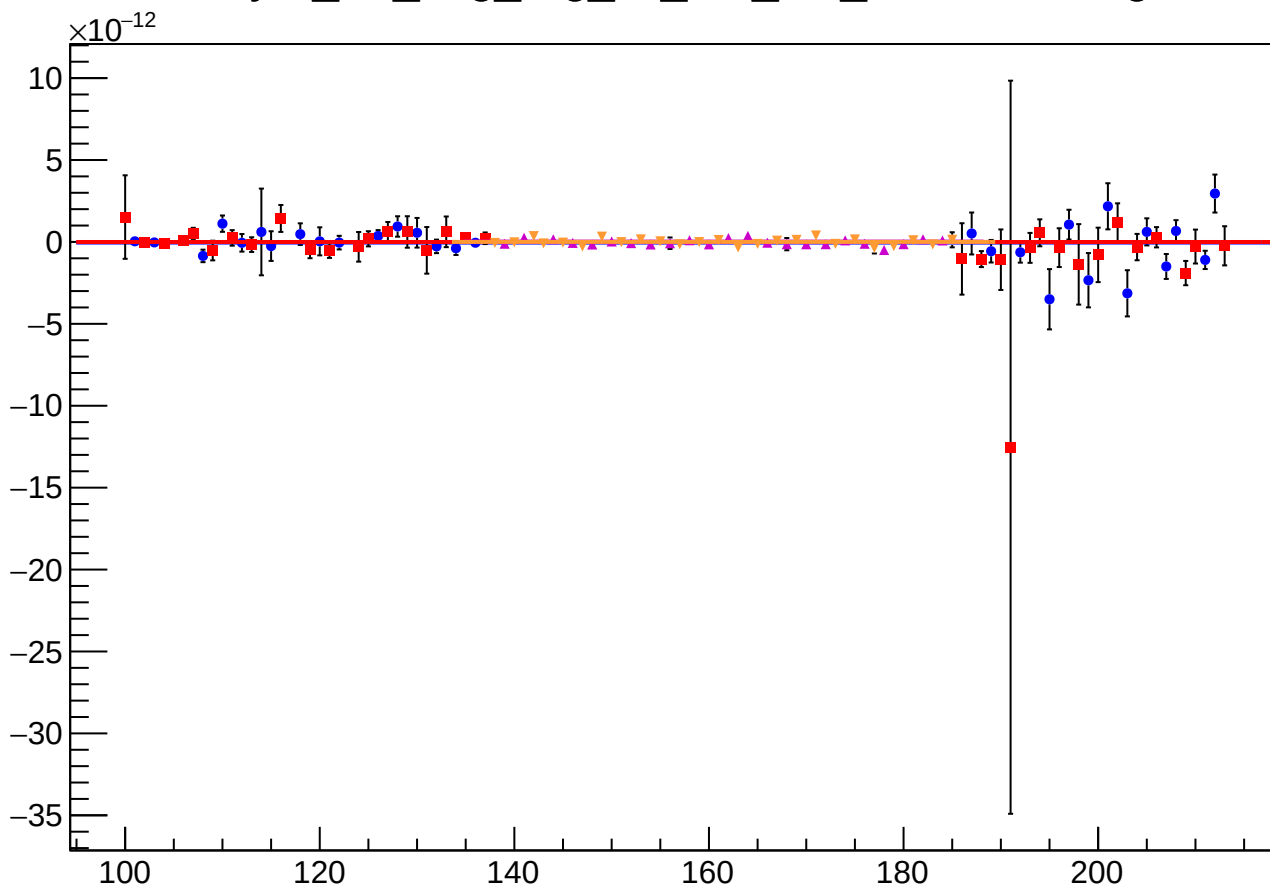
Left In: 5073.543+/-0.852 χ^2/NDF : 991915.5/22

+ sign 5323.117+/-0.641 χ^2/NDF : 4081126.8/53

All: 5283.052+/-0.451 χ^2/NDF : 9431677.7/11

- sign 5243.744+/-0.635 χ^2/NDF : 5342817.1/56

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 47.6/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 33.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.2/33

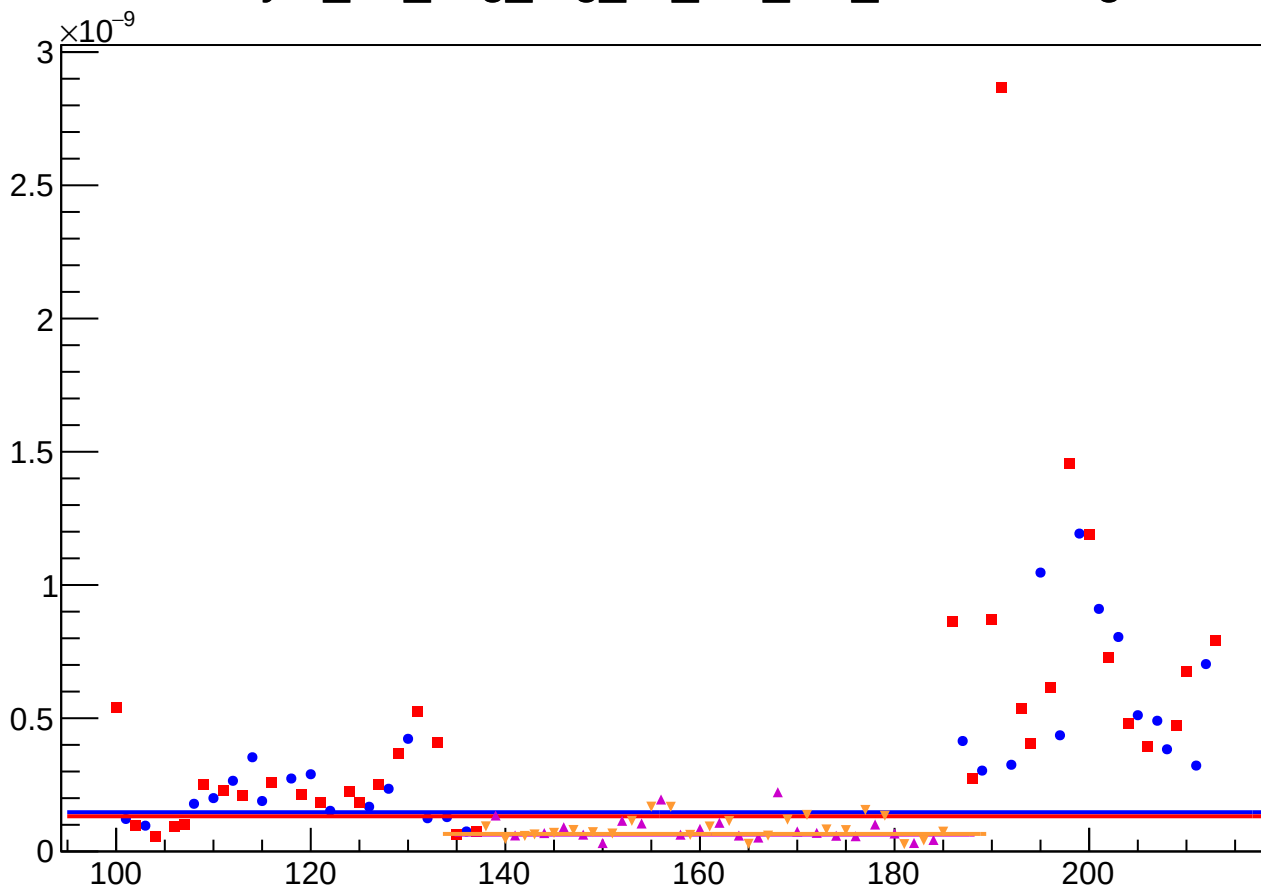
Left In: 0.000 ± 0.000 χ^2/NDF : 32.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 81.1/53

All: 0.000 ± 0.000 χ^2/NDF : 144.1/110

- sign 0.000 ± 0.000 χ^2/NDF : 62.7/56

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5979088.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8162428.9/33

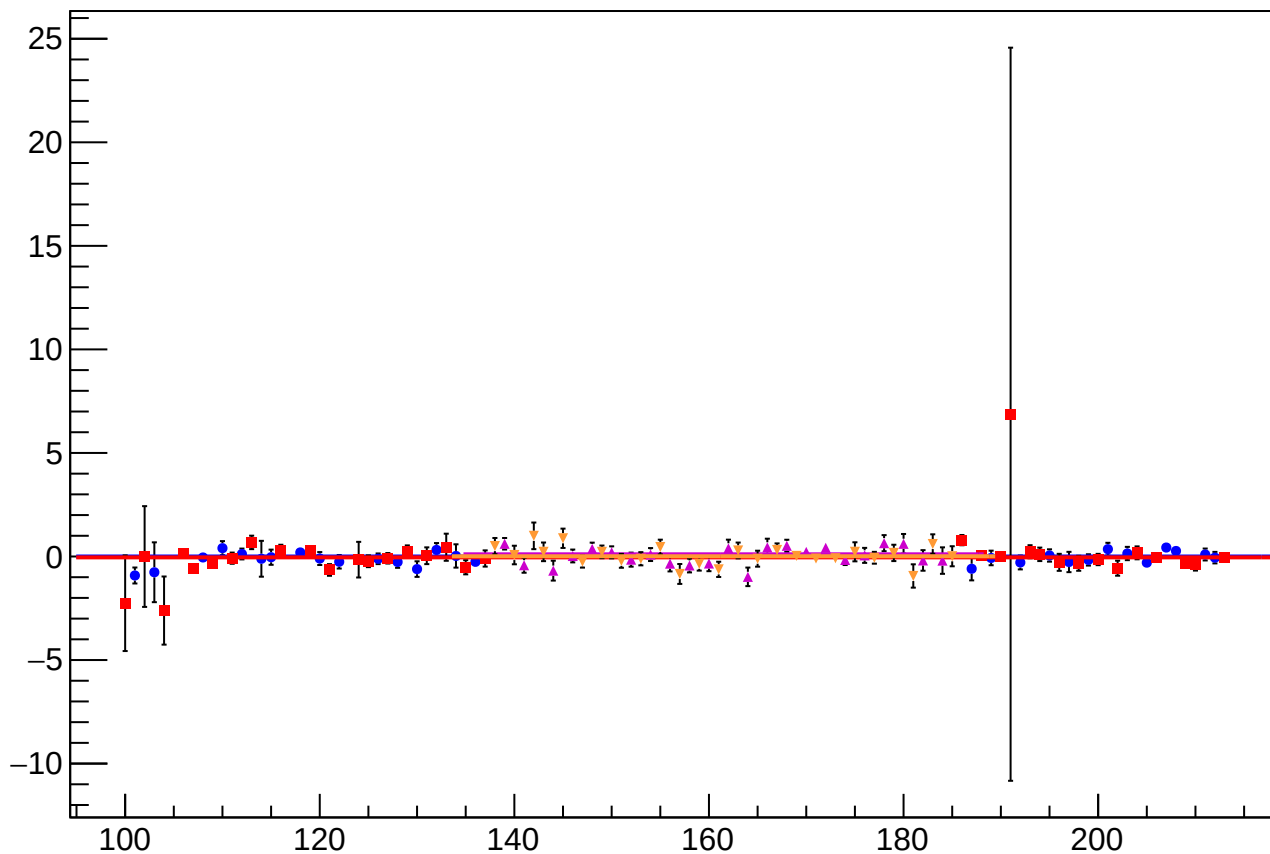
Left In: 0.000+/-0.000 χ^2/NDF : 2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 10690296.8/53

All: 0.000+/-0.000 χ^2/NDF : 22759632.5/110

- sign 0.000+/-0.000 χ^2/NDF : 12048811.0/56

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.053 χ^2/NDF : 29.7/28

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.043 ± 0.047 χ^2/NDF : 48.1/33

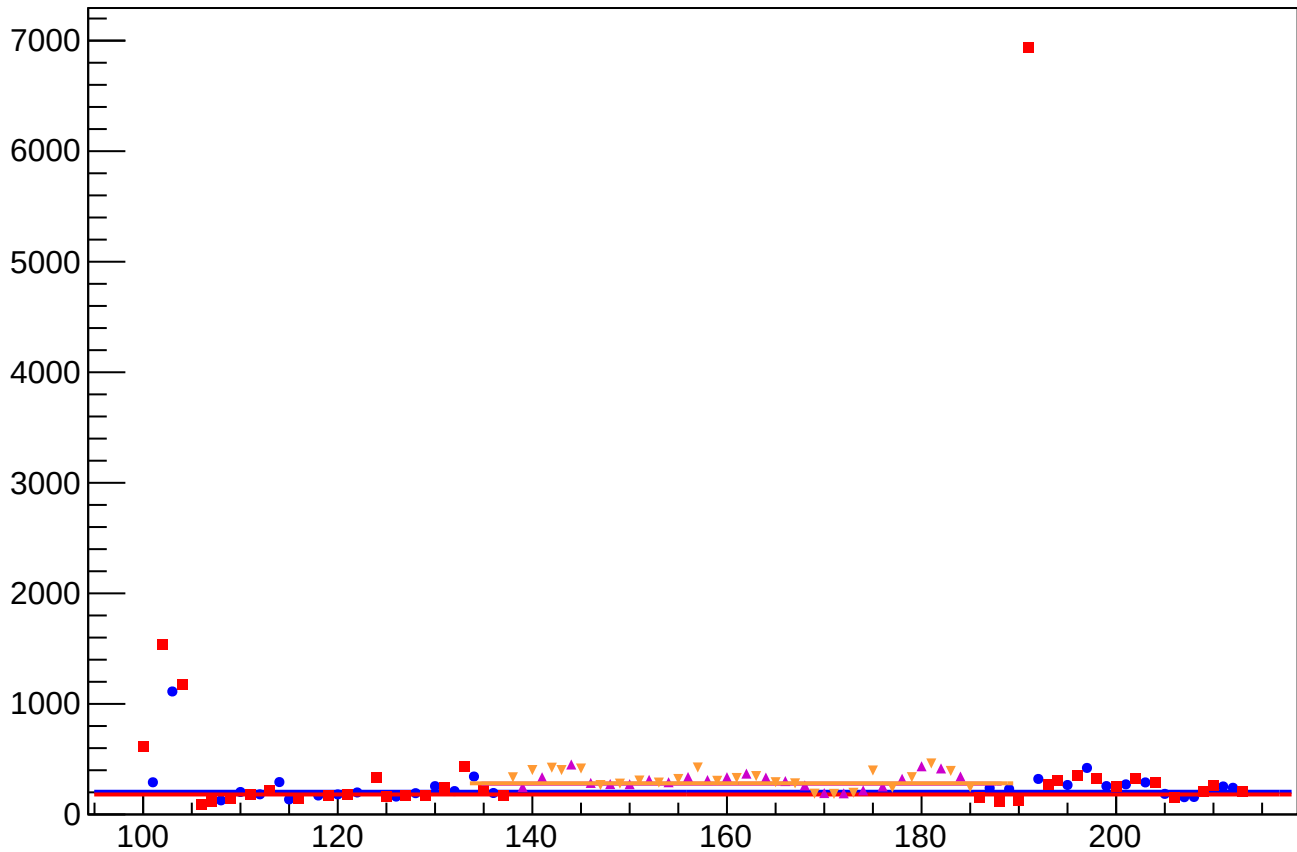
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign 0.004 ± 0.042 χ^2/NDF : 54.9/53

All: 0.004 ± 0.029 χ^2/NDF : 137.6/110

- sign 0.005 ± 0.039 χ^2/NDF : 82.7/56

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 205.241+/-0.038 χ^2/NDF : 2984452.5/28

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 180.740+/-0.033 χ^2/NDF : 5684015.6/33

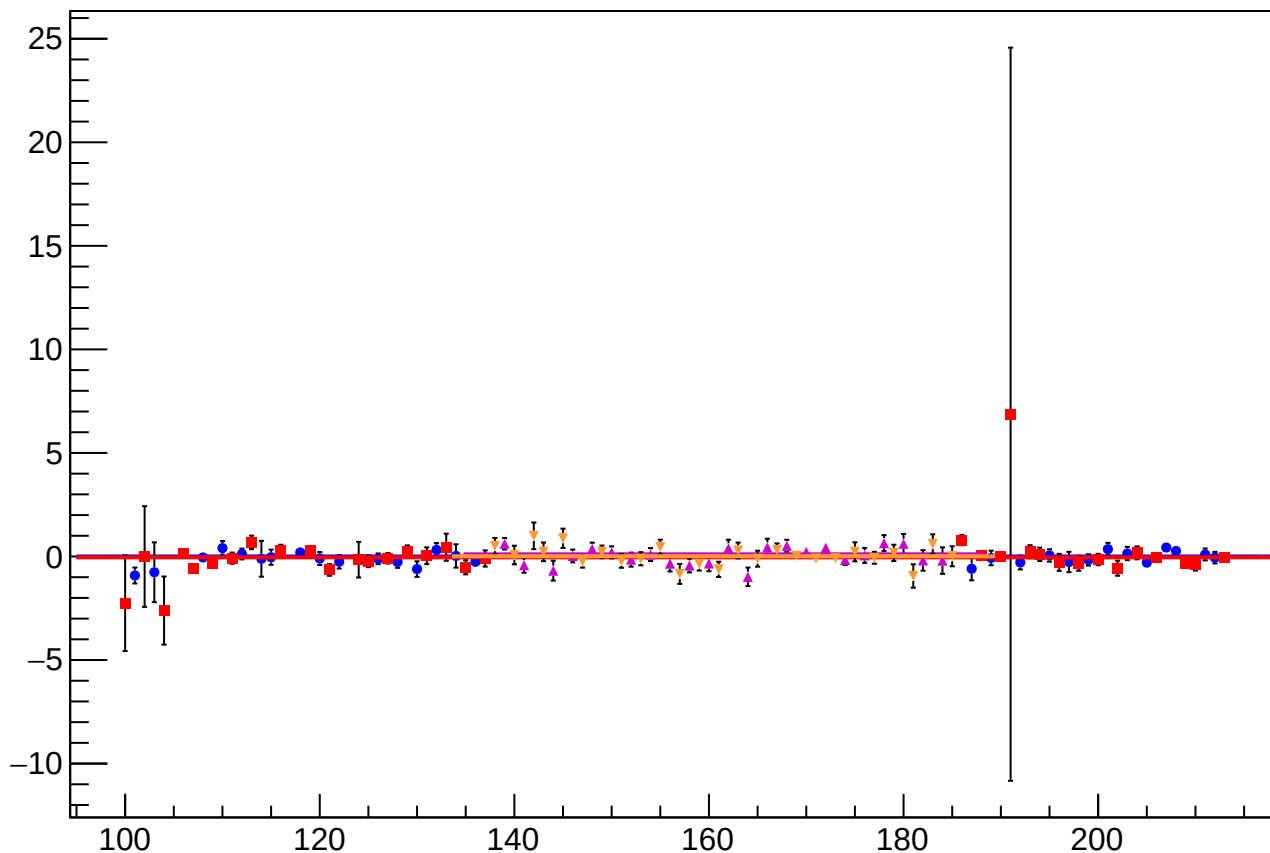
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 234.484+/-0.030 χ^2/NDF : 7070883.1/53

All: 222.492+/-0.020 χ^2/NDF : 17604902.5/11

- sign 212.209+/-0.028 χ^2/NDF : 10231858.4/56

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.053 χ^2/NDF : 29.7/28

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.043 ± 0.047 χ^2/NDF : 48.1/33

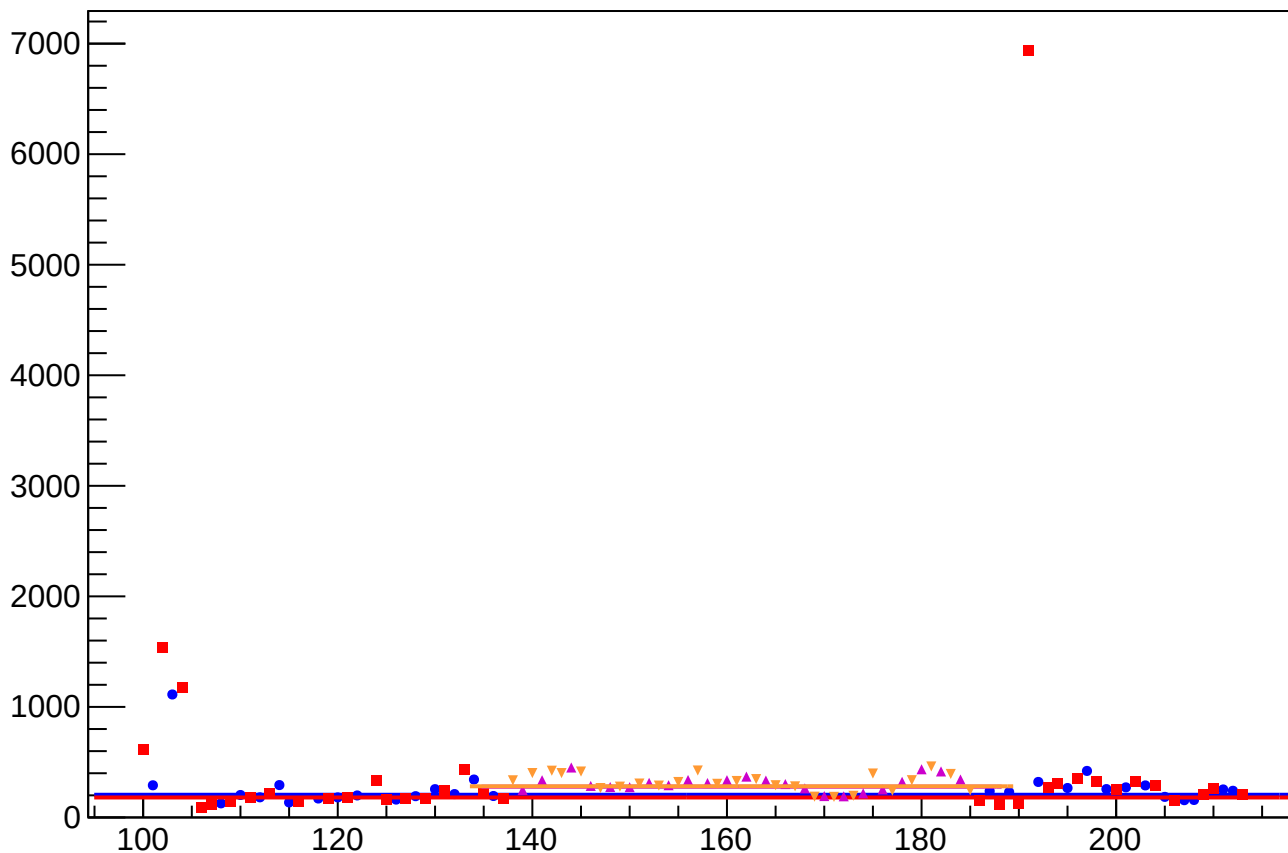
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign 0.004 ± 0.042 χ^2/NDF : 54.9/53

All: 0.004 ± 0.029 χ^2/NDF : 137.6/110

- sign 0.005 ± 0.039 χ^2/NDF : 82.7/56

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 205.241+/-0.038 χ^2/NDF : 2984452.5/28

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 180.740+/-0.033 χ^2/NDF : 5684015.6/33

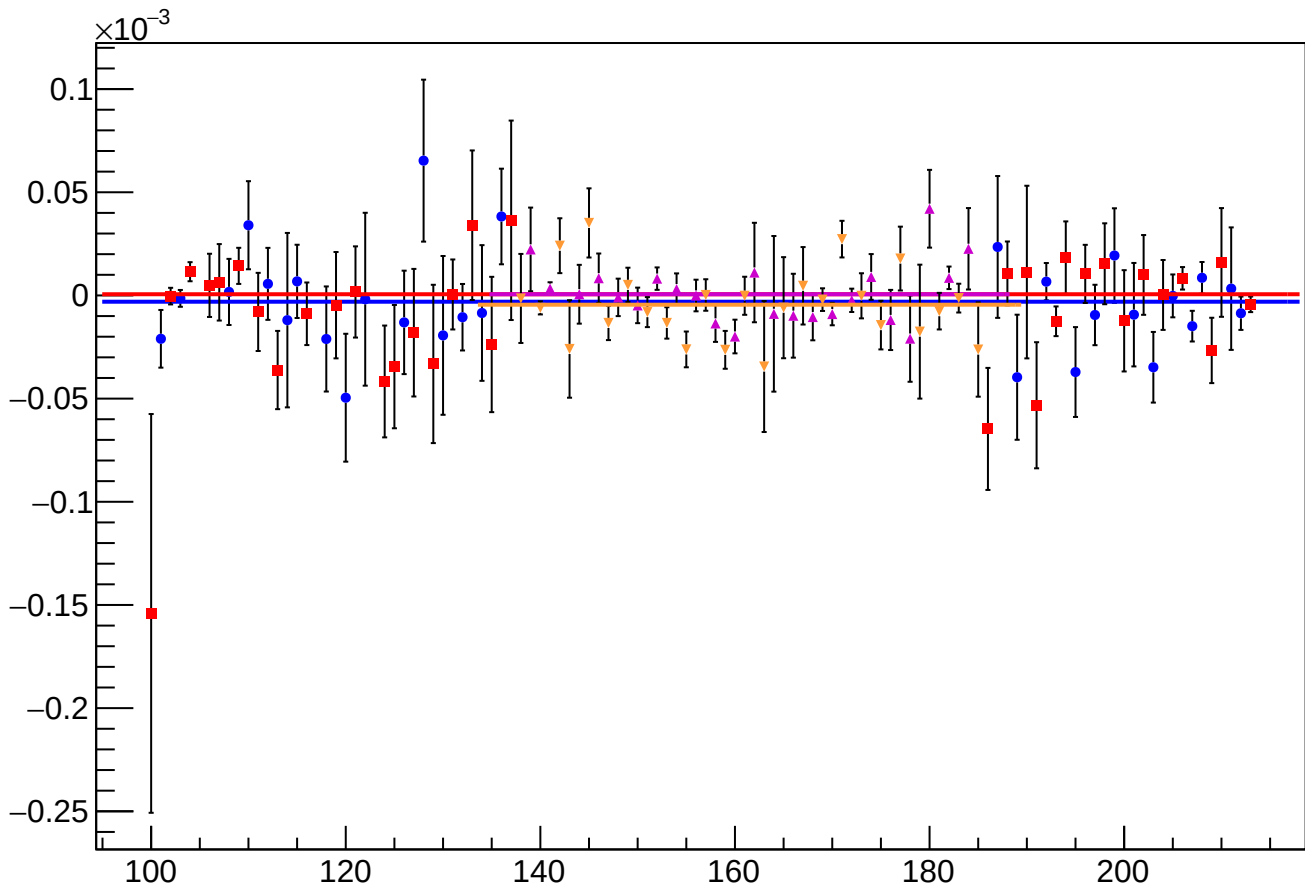
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 234.484+/-0.030 χ^2/NDF : 7070883.1/53

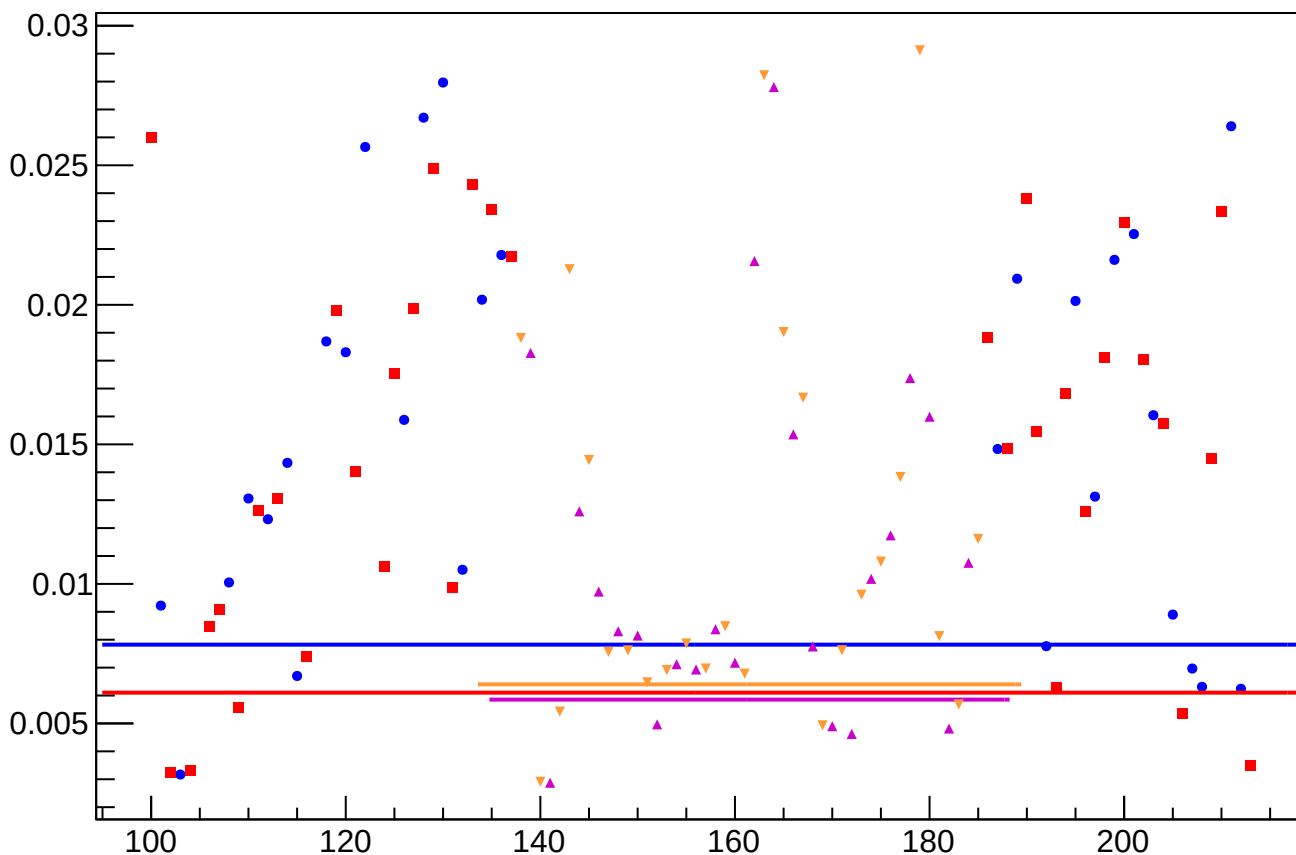
All: 222.492+/-0.020 χ^2/NDF : 17604902.5/176

- sign 212.209+/-0.028 χ^2/NDF : 10231858.4/56

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 10432485.5/28

Left Out: 0.006 ± 0.000 χ^2/NDF : 8964265.3/24

Right Out: 0.006 ± 0.000 χ^2/NDF : 14122671.8/33

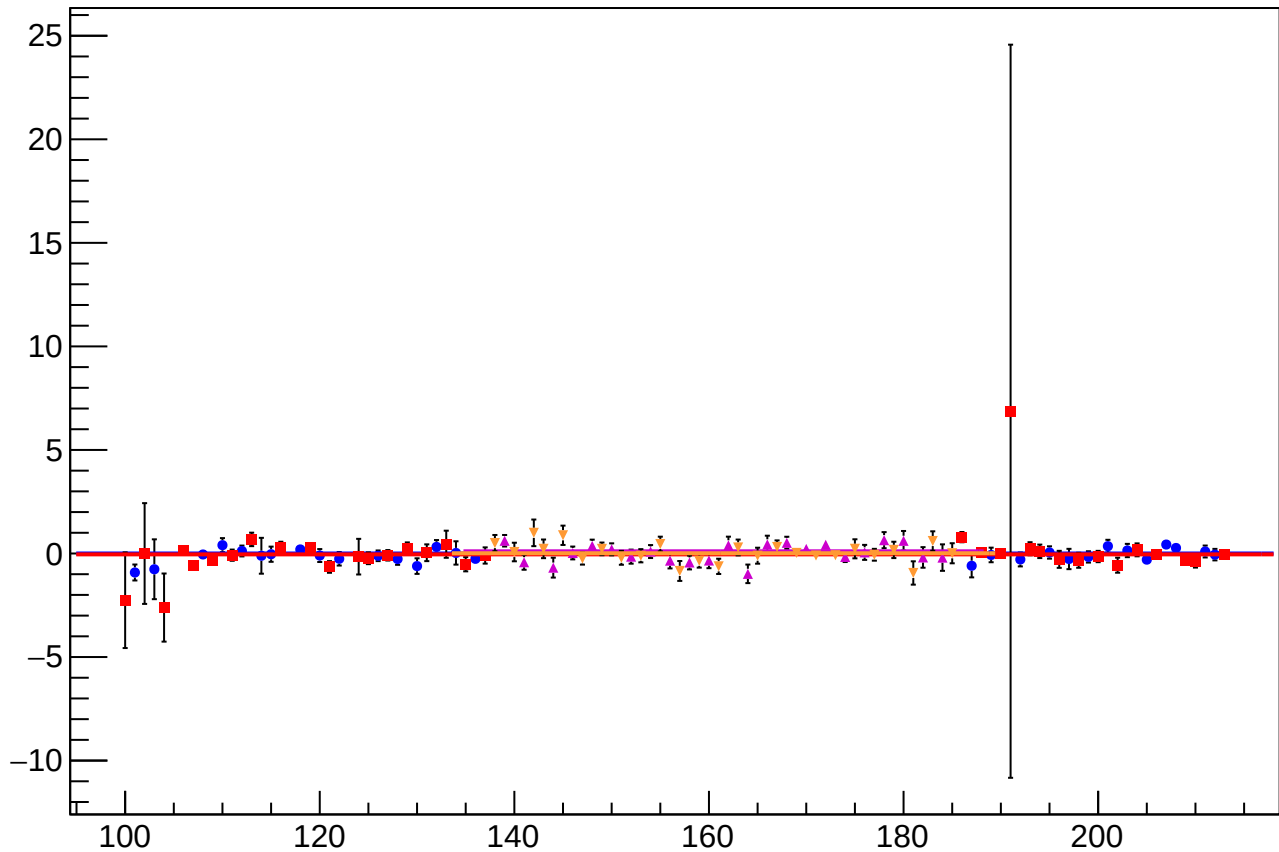
Left In: 0.006 ± 0.000 χ^2/NDF : 8144305.6/22

+ sign 0.007 ± 0.000 χ^2/NDF : 19872802.0/53

All: 0.006 ± 0.000 χ^2/NDF : 42666939.2/110

- sign 0.006 ± 0.000 χ^2/NDF : 22287885.4/56

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.053 χ^2/NDF : 29.7/28

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.043 ± 0.047 χ^2/NDF : 48.1/33

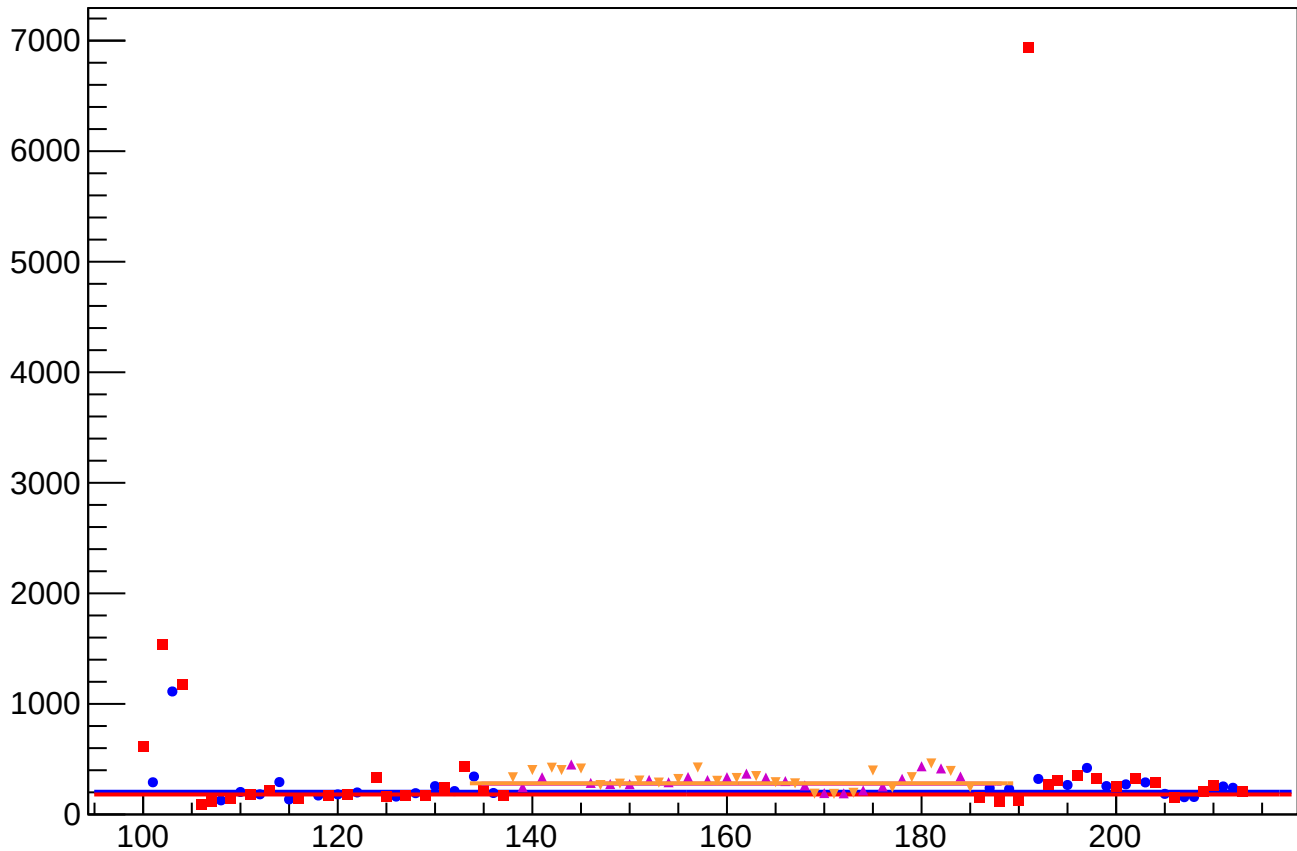
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign 0.004 ± 0.042 χ^2/NDF : 54.9/53

All: 0.004 ± 0.029 χ^2/NDF : 137.6/110

- sign 0.005 ± 0.039 χ^2/NDF : 82.7/56

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 205.241+/-0.038 χ^2/NDF : 2984477.4/28

Left Out: 281.820+/-0.048 χ^2/NDF : 2520889.0/24

Right Out: 180.737+/-0.033 χ^2/NDF : 5684166.8/33

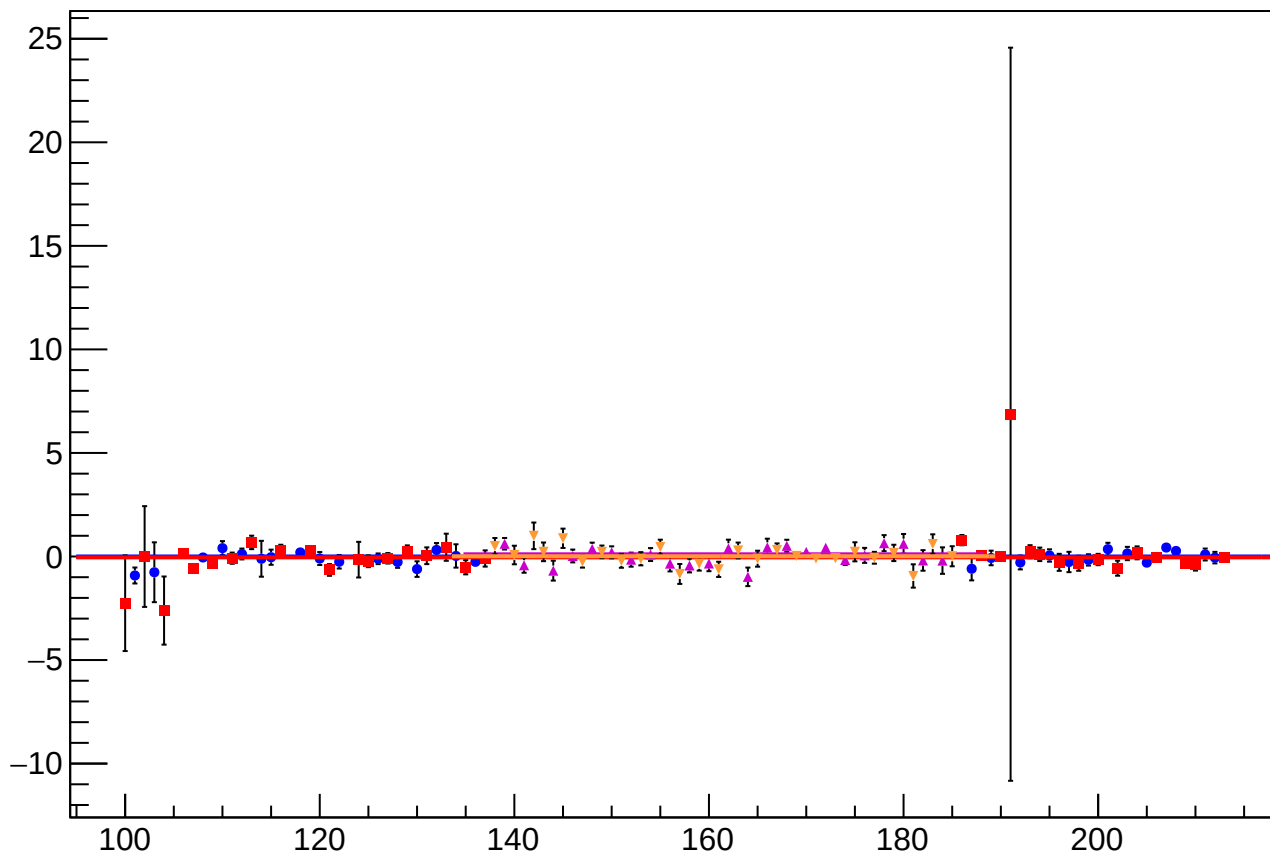
Left In: 278.412+/-0.049 χ^2/NDF : 1799730.1/22

+ sign 234.485+/-0.030 χ^2/NDF : 7071075.1/53

All: 222.491+/-0.020 χ^2/NDF : 17605637.9/171

- sign 212.207+/-0.028 χ^2/NDF : 10232335.9/56

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.053 χ^2/NDF : 29.7/28

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: -0.043 ± 0.047 χ^2/NDF : 48.1/33

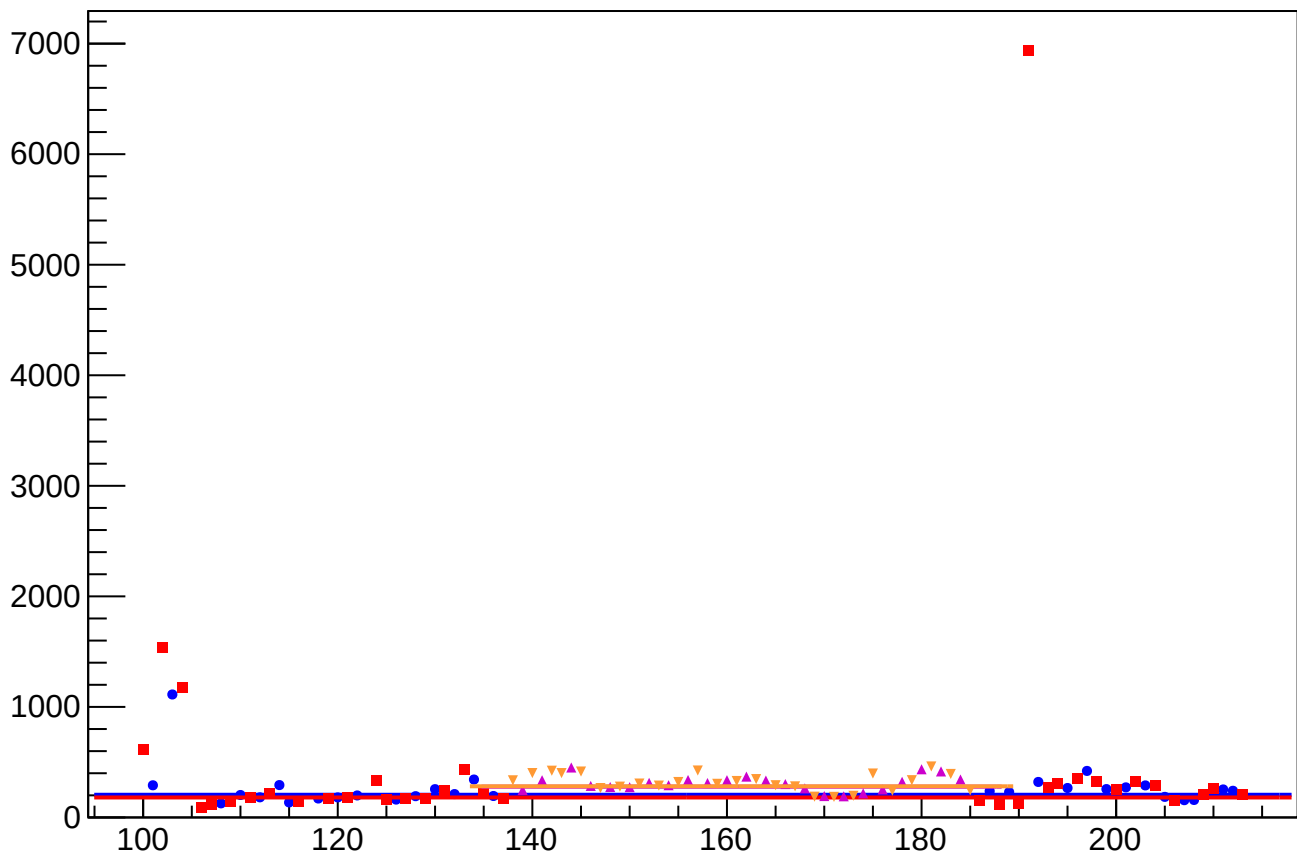
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign 0.004 ± 0.042 χ^2/NDF : 54.9/53

All: 0.004 ± 0.029 χ^2/NDF : 137.6/110

- sign 0.005 ± 0.039 χ^2/NDF : 82.7/56

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 205.241 $\pm$ 0.038 χ^2 /NDF: 2984477.4/28

Left Out: 281.820 $\pm$ 0.048 χ^2 /NDF: 2520889.0/24

Right Out: 180.737 $\pm$ 0.033 χ^2 /NDF: 5684166.8/33

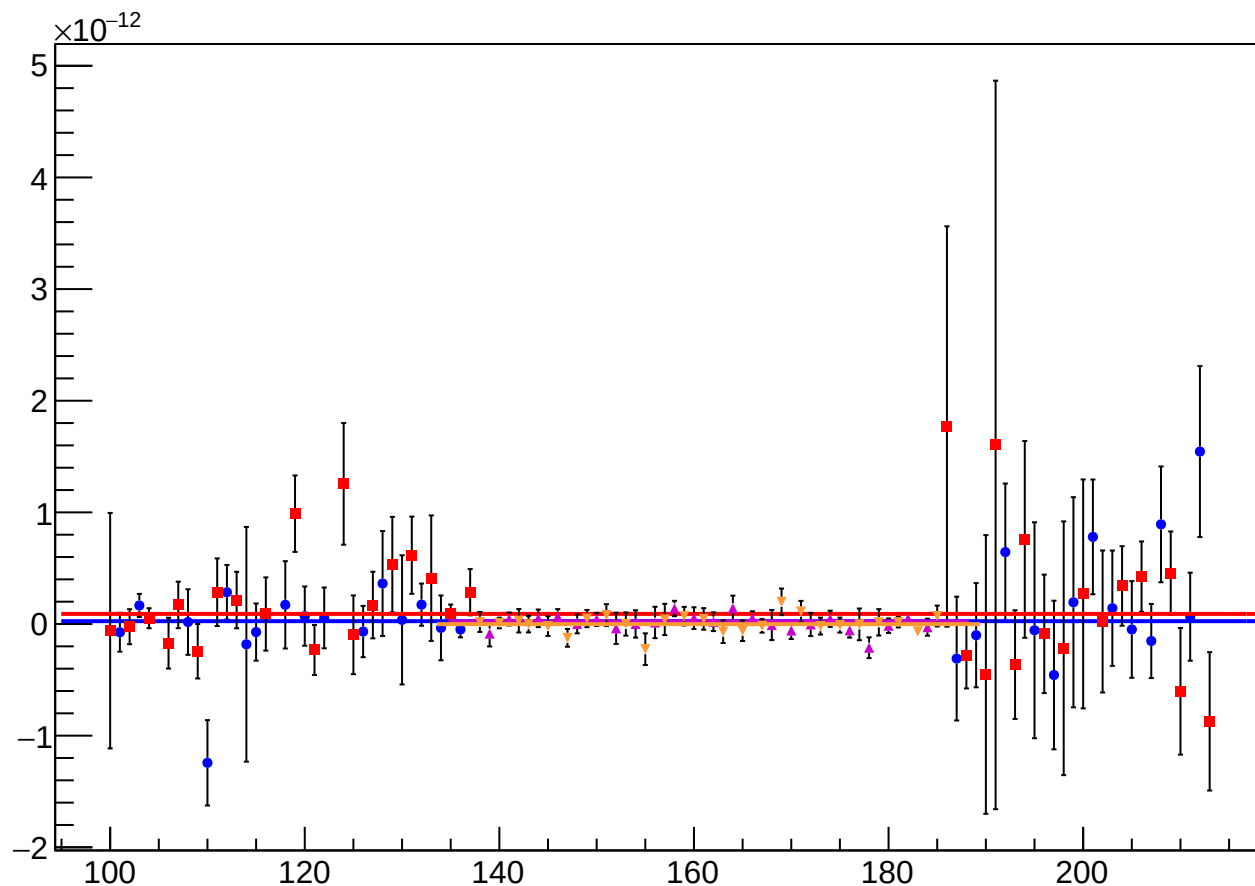
Left In: 278.412 $\pm$ 0.049 χ^2 /NDF: 1799730.1/22

+ sign 234.485 $\pm$ 0.030 χ^2 /NDF: 7071075.1/53

All: 222.491 $\pm$ 0.020 χ^2 /NDF: 17605637.9/176

- sign 212.207 $\pm$ 0.028 χ^2 /NDF: 10232335.9/56

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 28.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.3/33

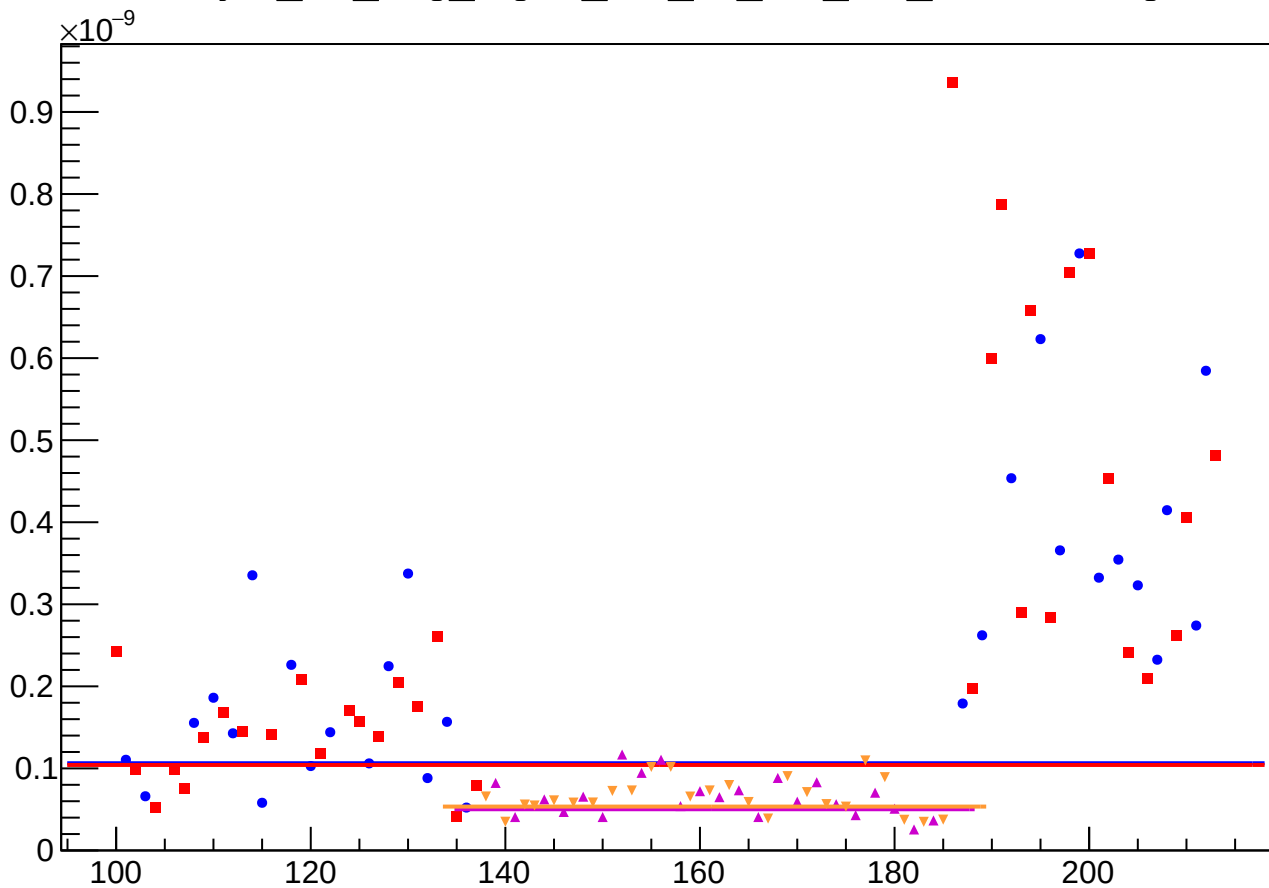
Left In: 0.000 ± 0.000 χ^2/NDF : 16.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 44.1/53

All: 0.000 ± 0.000 χ^2/NDF : 99.4/110

- sign 0.000 ± 0.000 χ^2/NDF : 53.4/56

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8730973.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9186508.1/33

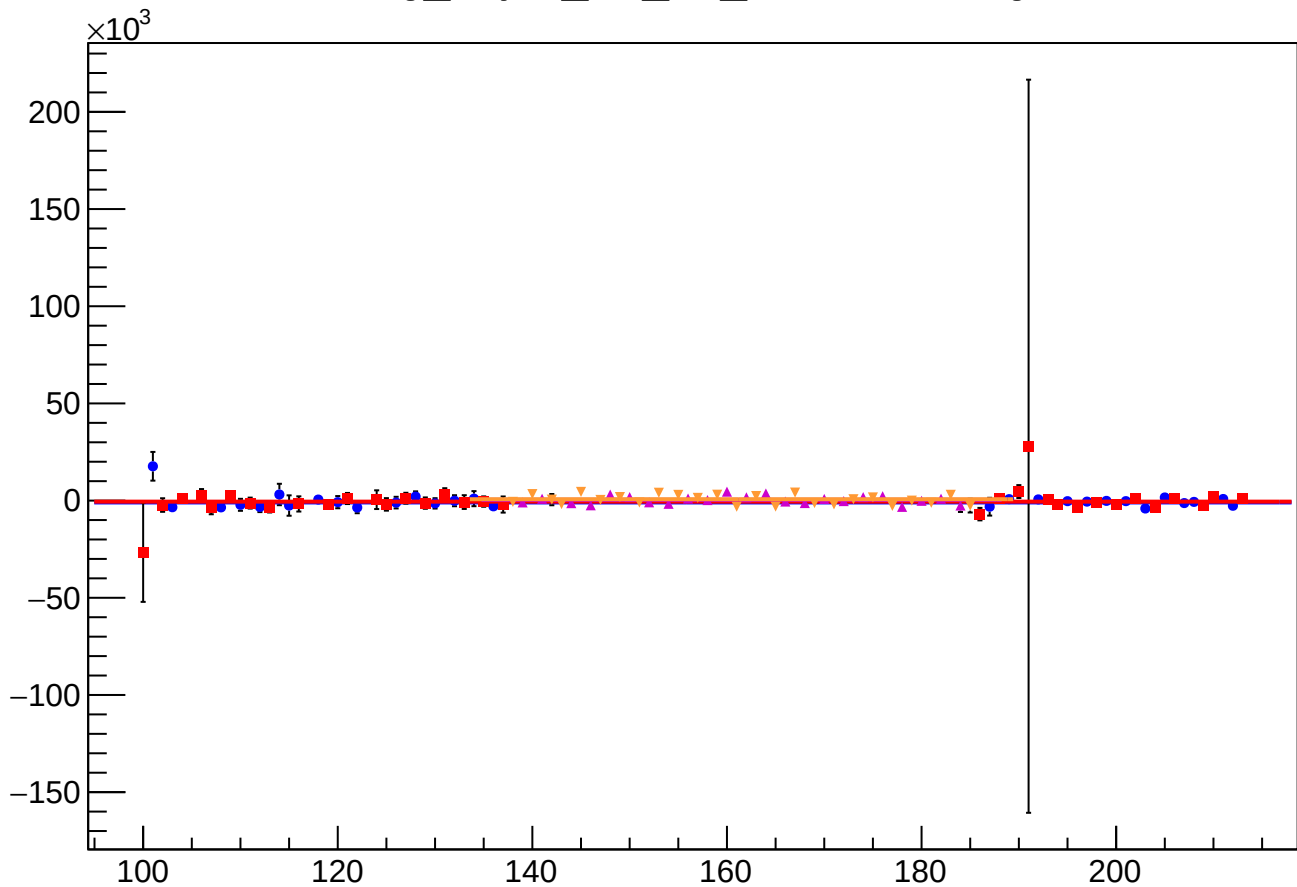
Left In: 0.000+/-0.000 χ^2/NDF : 3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 14131860.0/53

All: 0.000+/-0.000 χ^2/NDF : 29596656.9/110

- sign 0.000+/-0.000 χ^2/NDF : 15421180.3/56

reg_asym_atr_dd_mean vs Slug



Right In: -947.685+/-464.868 χ^2/NDF : 20.7/28

Left Out: 705.742+/-415.383 χ^2/NDF : 31.9/24

Right Out: -530.889+/-448.748 χ^2/NDF : 26.6/33

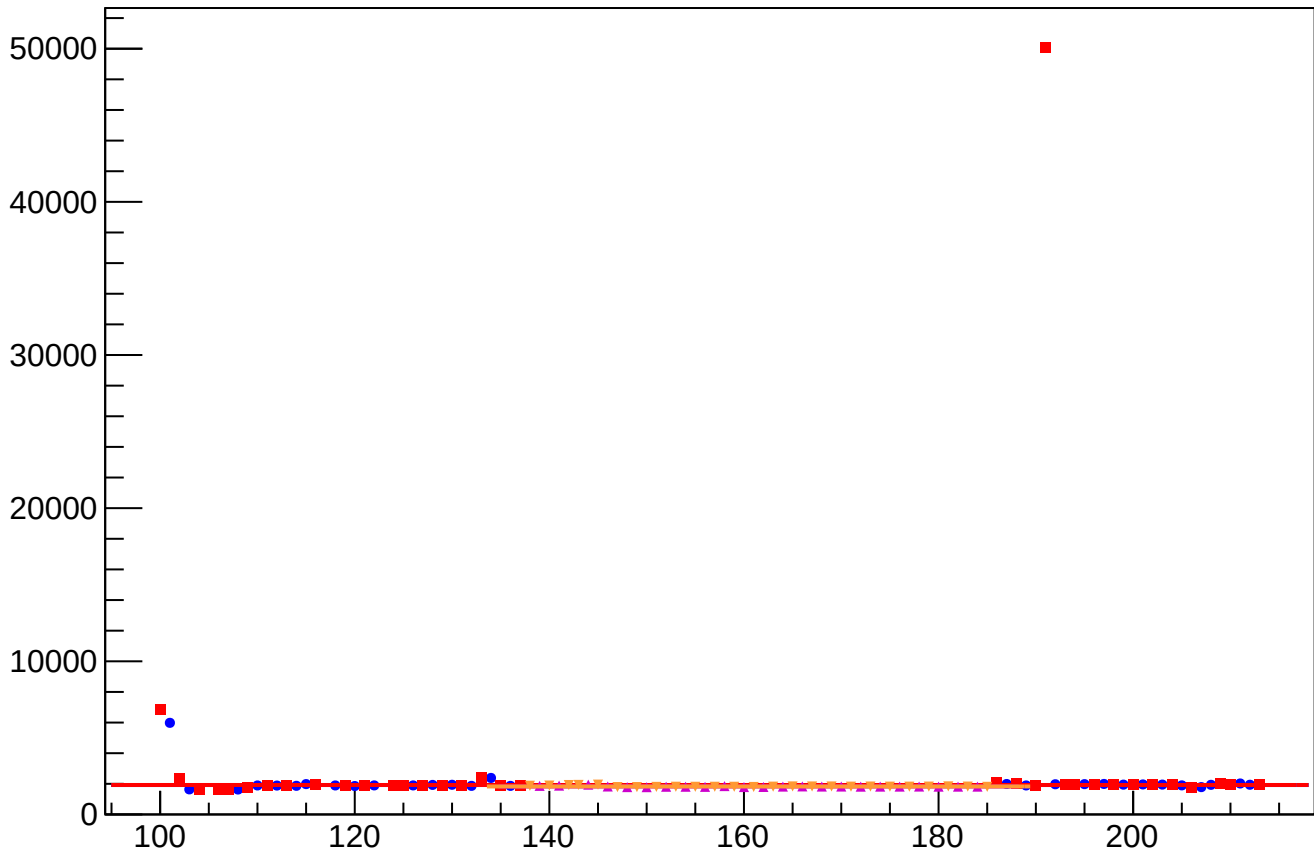
Left In: 403.144+/-426.215 χ^2/NDF : 20.7/22

+ sign -28.315+/-309.743 χ^2/NDF : 59.7/53

All: -34.087+/-218.772 χ^2/NDF : 109.4/110

- sign -39.834+/-309.039 χ^2/NDF : 49.6/56

reg_asym_atr_dd_rms vs Slug



Right In: 1921.502 $\pm$ 0.329 χ^2 /NDF: 720894.6/28

Left Out: 1828.243 $\pm$ 0.294 χ^2 /NDF: 19329.0/24

Right Out: 1924.336 $\pm$ 0.317 χ^2 /NDF: 392943.9/33

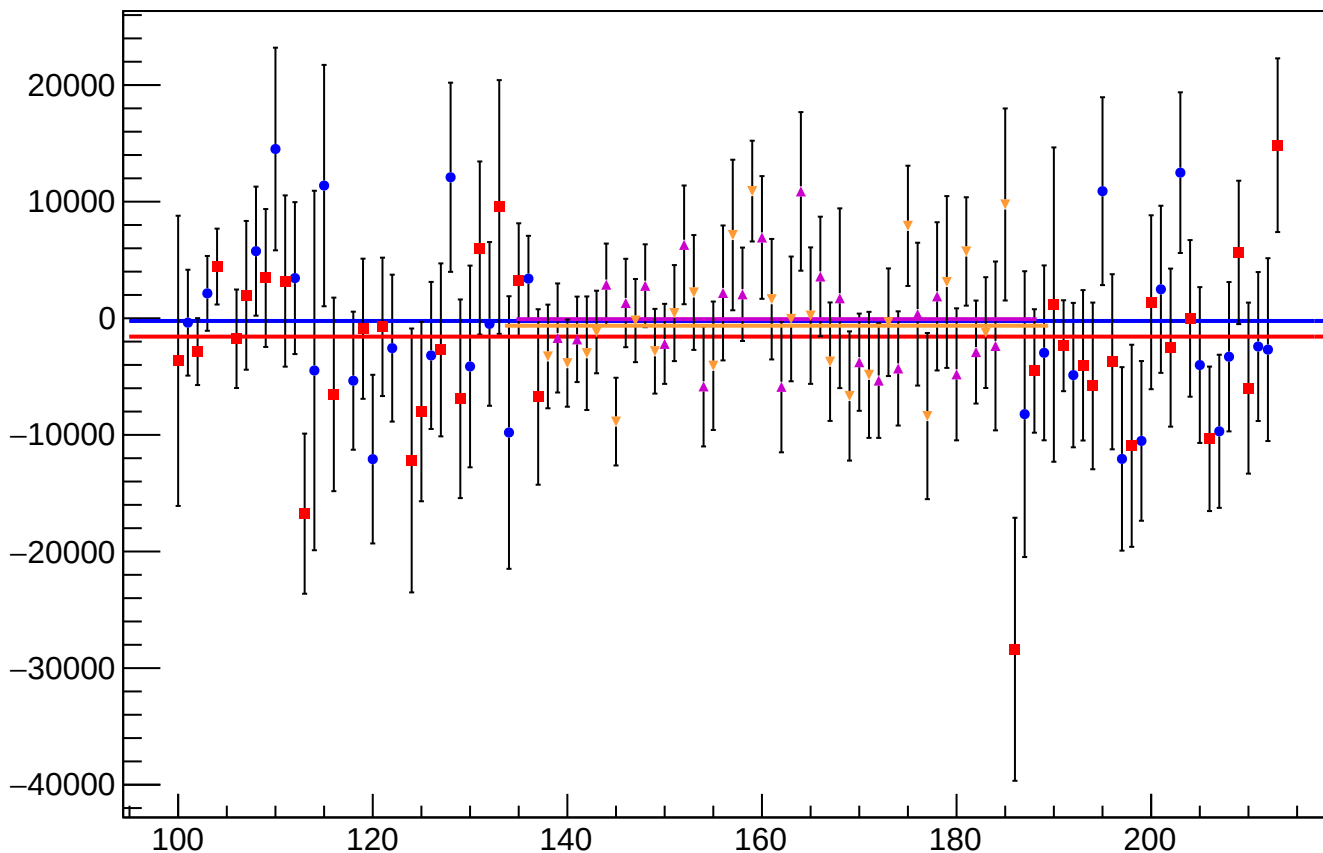
Left In: 1825.165 $\pm$ 0.301 χ^2 /NDF: 13360.2/22

+ sign 1869.646 $\pm$ 0.219 χ^2 /NDF: 784980.4/53

All: 1870.960 $\pm$ 0.155 χ^2 /NDF: 1242783.8/11

- sign 1872.266 $\pm$ 0.218 χ^2 /NDF: 457731.6/56

asym_atr_dd_reg_correction_mean vs Slug



Right In: -230.365 ± 1185.313 χ^2/NDF : 28.1/28

Left Out: -637.703 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -1573.249 ± 1039.312 χ^2/NDF : 32.5/33

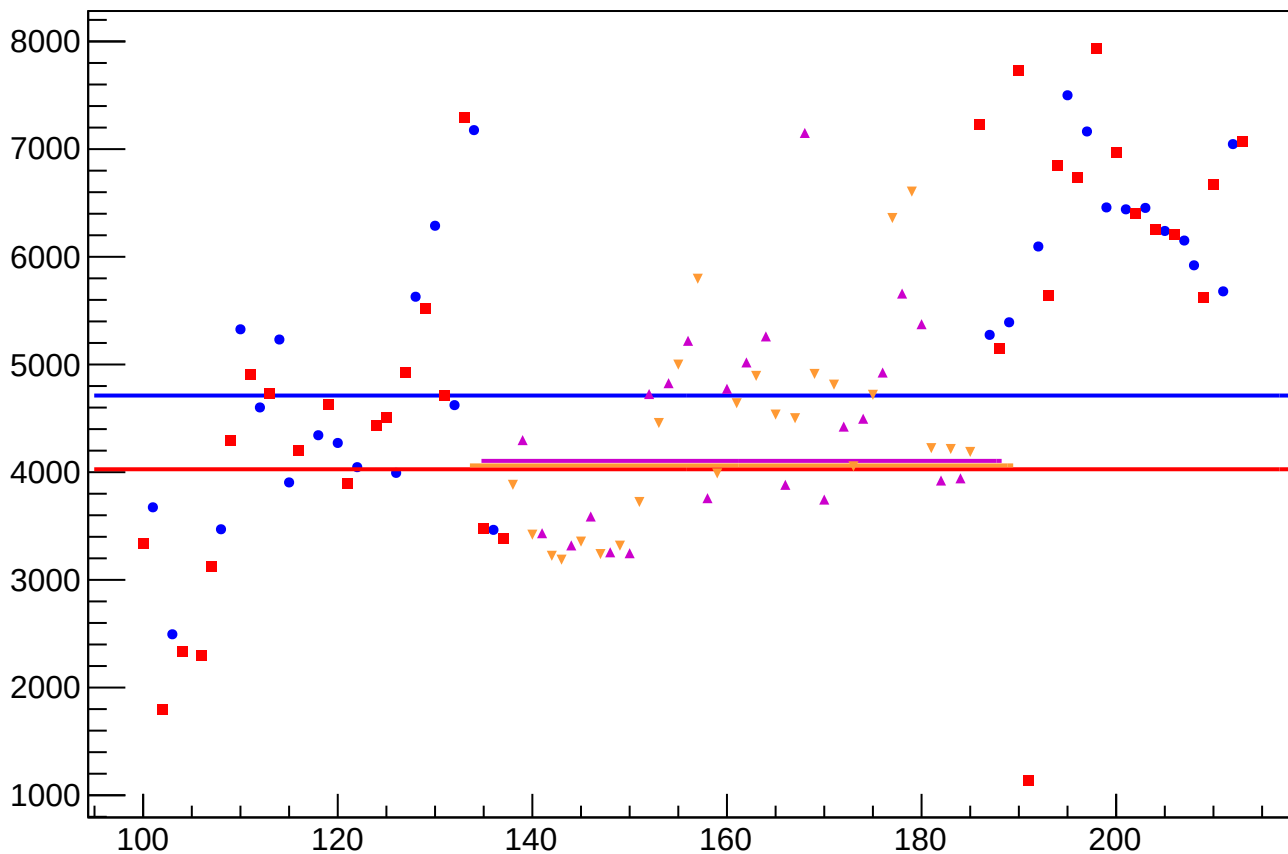
Left In: -75.764 ± 980.243 χ^2/NDF : 15.4/22

+ sign -479.025 ± 739.800 χ^2/NDF : 54.2/53

All: -635.427 ± 513.419 χ^2/NDF : 103.3/110

- sign -780.745 ± 713.105 χ^2/NDF : 49.1/56

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4711.744+/-0.838 χ^2/NDF : 3085281.5/28

Left Out: 4063.108+/-0.670 χ^2/NDF : 1405036.2/24

Right Out: 4027.129+/-0.735 χ^2/NDF : 6902819.5/33

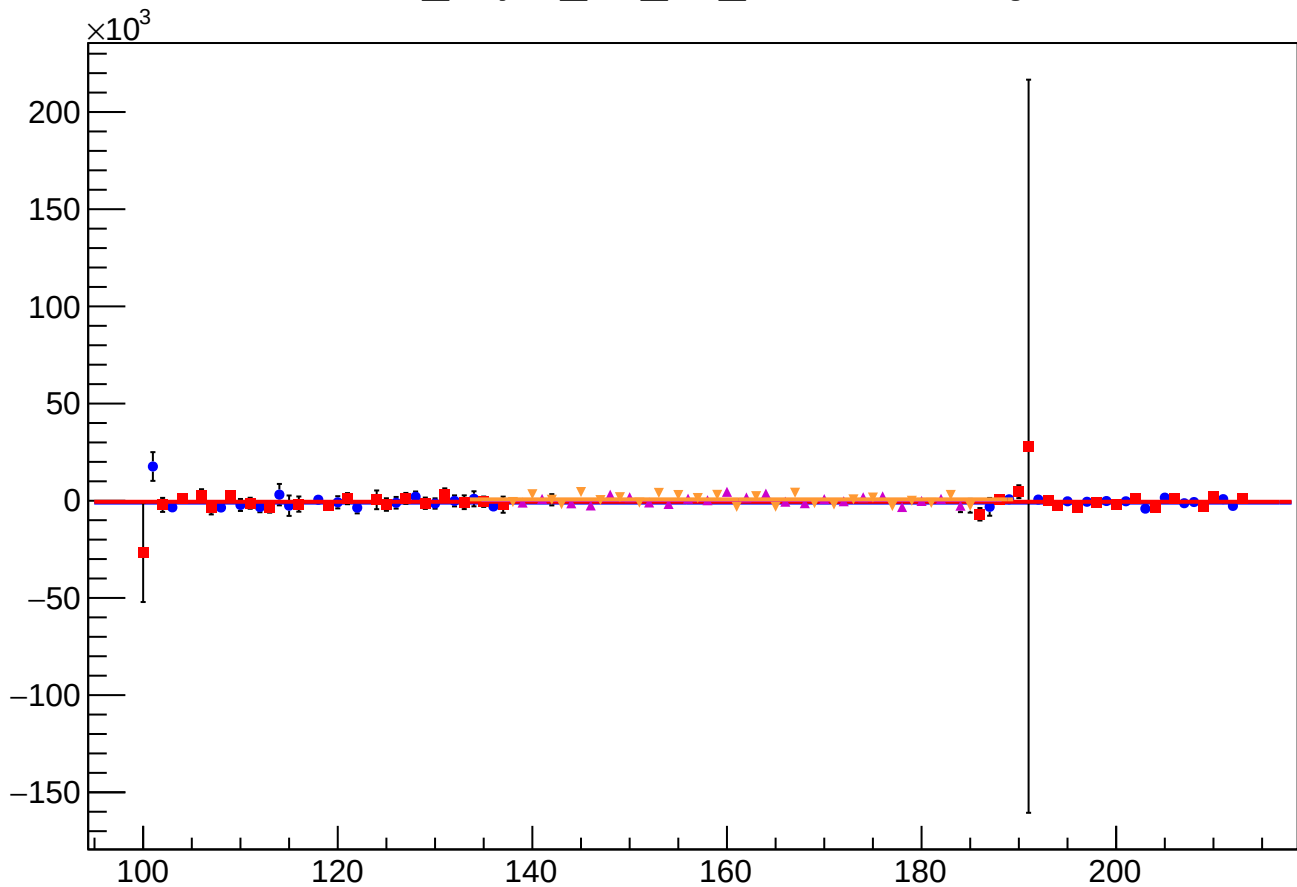
Left In: 4105.057+/-0.693 χ^2/NDF : 1359493.1/22

+ sign 4315.784+/-0.523 χ^2/NDF : 4855926.3/53

All: 4187.533+/-0.363 χ^2/NDF : 13240143.2/100

- sign 4068.371+/-0.504 χ^2/NDF : 8268263.3/56

cor_asym_atr_dd_mean vs Slug



Right In: -947.911 ± 464.868 χ^2/NDF : 20.7/28

Left Out: 705.801 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -526.793 ± 448.995 χ^2/NDF : 26.6/33

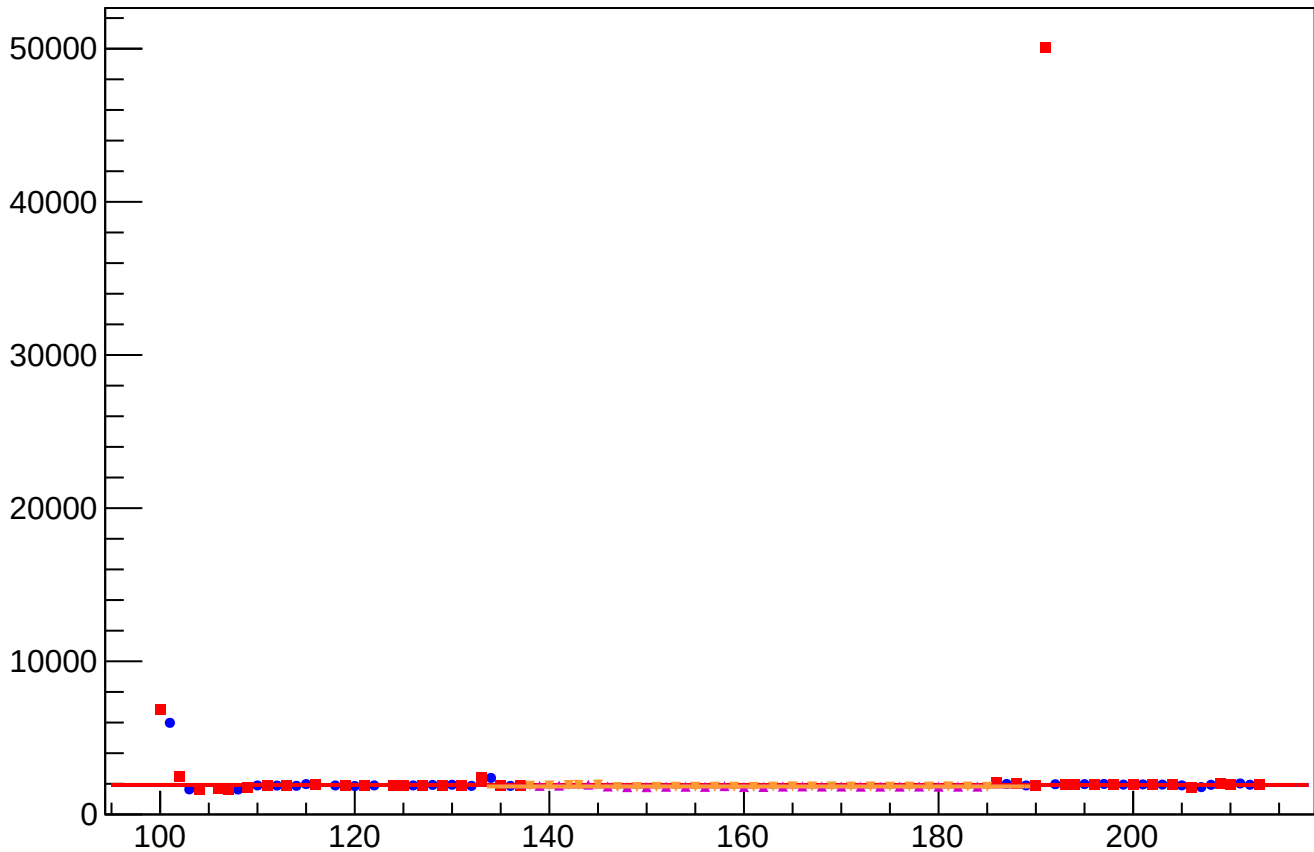
Left In: 402.981 ± 426.215 χ^2/NDF : 20.8/22

+ sign -28.383 ± 309.743 χ^2/NDF : 59.7/53

All: -33.062 ± 218.801 χ^2/NDF : 109.2/110

- sign -37.722 ± 309.119 χ^2/NDF : 49.6/56

cor_asym_atr_dd_rms vs Slug



Right In: 1921.502+/-0.329 χ^2/NDF : 720894.8/28

Left Out: 1828.243+/-0.294 χ^2/NDF :19329.0/24

+ sign 1869.646+/-0.219 χ^2/NDF : 784980.5/53

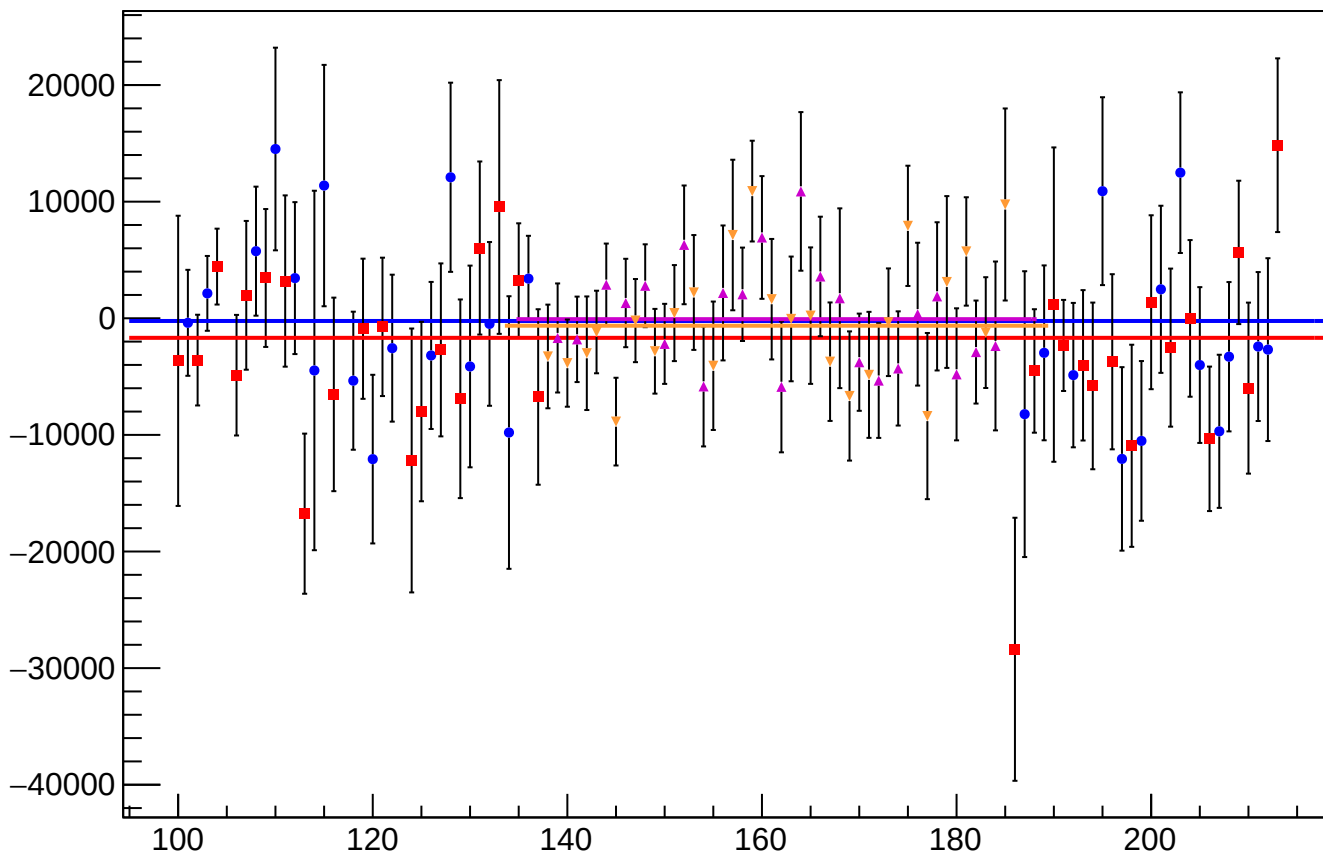
Right Out: 1927.223 ± 0.317 χ^2/NDF : 399145.3/33

All: 1871.613 ± 0.155 χ^2/NDF : 1252037.5/11

- sign 1873.571+/-0.219 χ^2/NDF : 466896.1/56

Left In: 1825.165+/-0.301 χ^2/NDF :13360.2/22

asym_atr_dd_cor_correction_mean vs Slug



Right In: -231.395 ± 1185.402 χ^2/NDF : 28.1/28

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

+ sign -479.451 ± 739.821 χ^2/NDF : 54.2/53

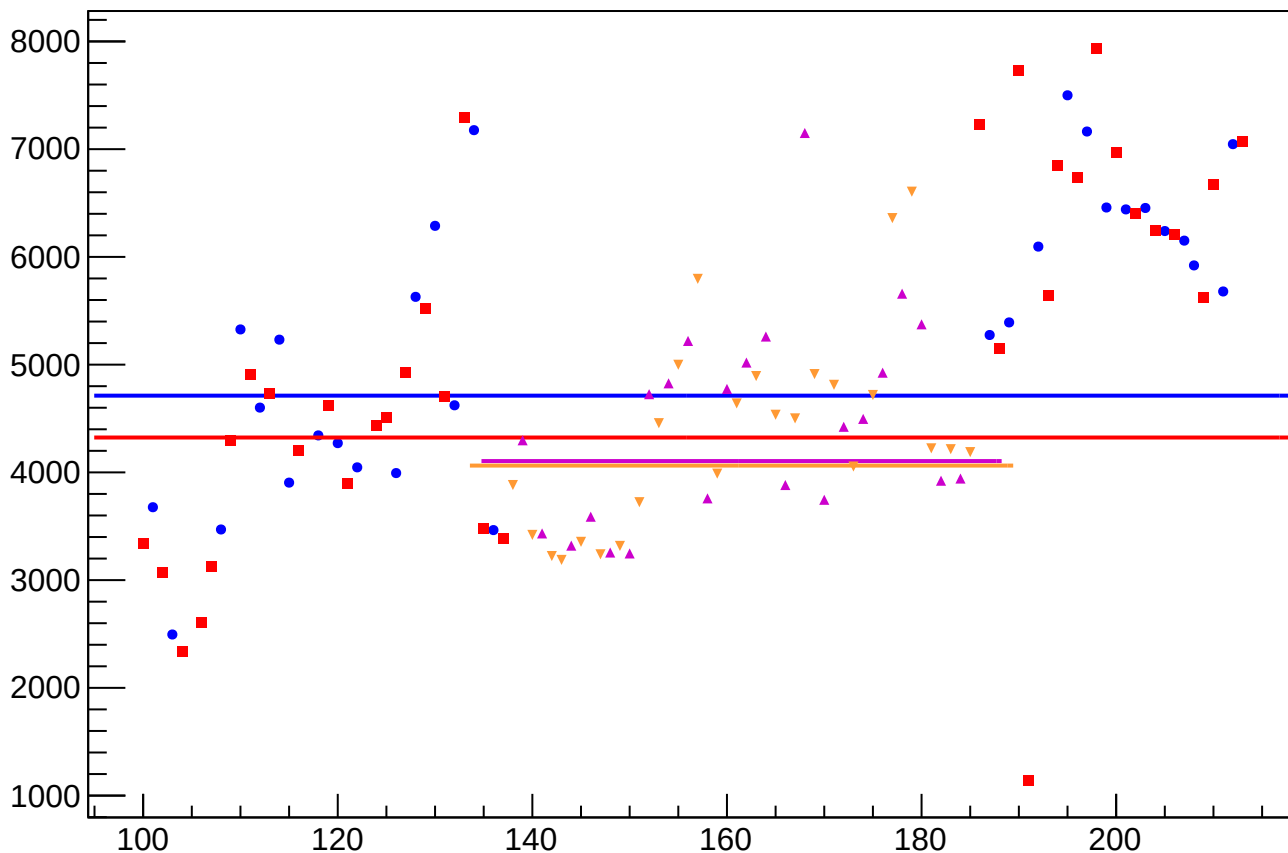
Right Out: -1677.030 ± 1083.814 χ^2/NDF : 33.0/33

All: -640.625 ± 518.541 χ^2/NDF : 103.9/110

- sign -796.262 ± 727.002 χ^2/NDF : 49.6/56

Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4712.213+/-0.838 χ^2/NDF : 3083801.7/28

Left Out: 4063.106+/-0.670 χ^2/NDF : 1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF : 5475294.1/33

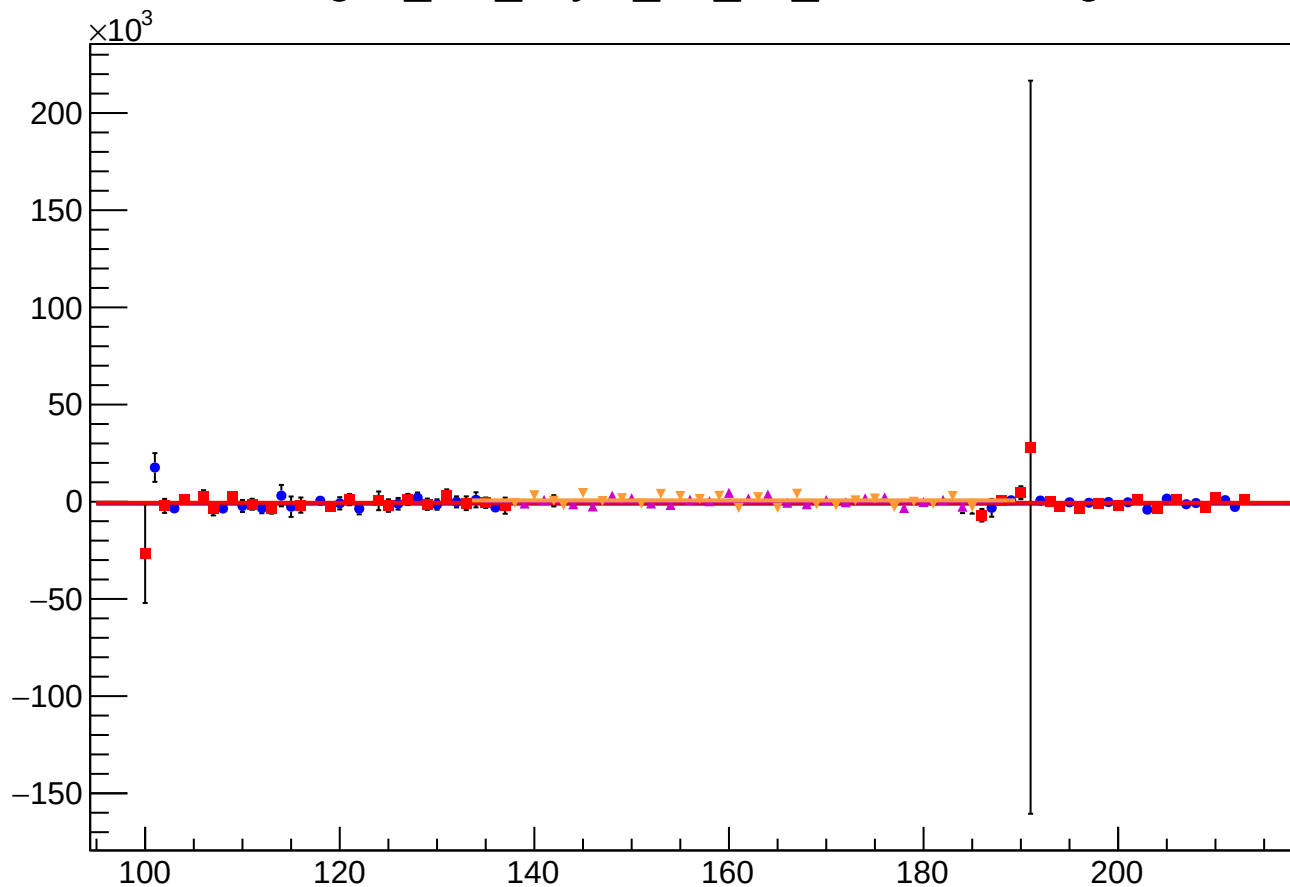
Left In: 4105.050+/-0.693 χ^2/NDF : 1359501.9/22

+ sign 4315.941+/-0.523 χ^2/NDF : 4854939.2/53

All: 4258.691+/-0.367 χ^2/NDF : 11758029.8/100

- sign 4203.408+/-0.514 χ^2/NDF : 6879548.9/56

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -947.911+/-464.868 χ^2/NDF : 20.7/28

Left Out: 705.801+/-415.383 χ^2/NDF : 31.9/24

Right Out: -526.793+/-448.995 χ^2/NDF : 26.6/33

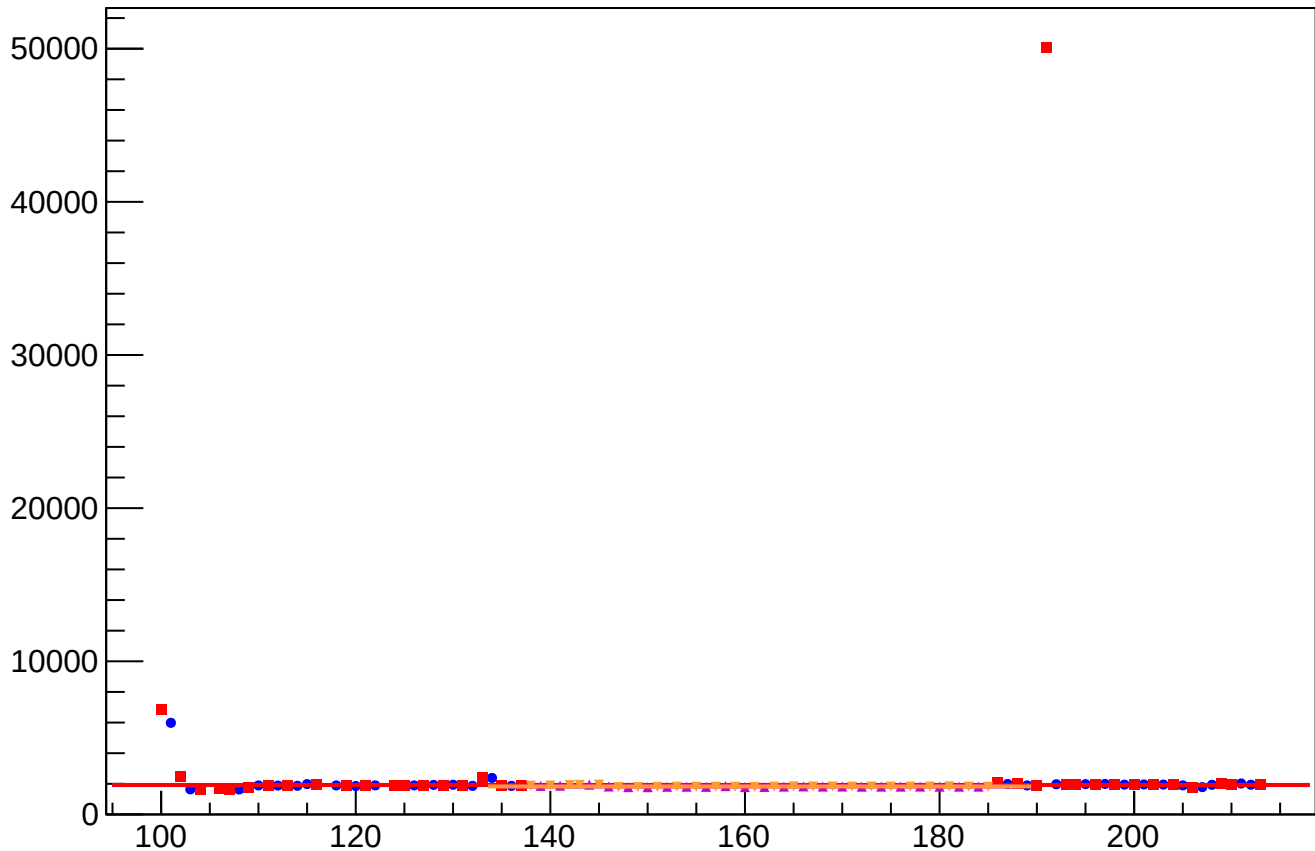
Left In: 402.981+/-426.215 χ^2/NDF : 20.8/22

+ sign -28.383+/-309.743 χ^2/NDF : 59.7/53

All: -33.062+/-218.801 χ^2/NDF : 109.2/110

- sign -37.722+/-309.119 χ^2/NDF : 49.6/56

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1921.502 $\pm$ 0.329 χ^2 /NDF: 720894.8/28

Left Out: 1828.243 $\pm$ 0.294 χ^2 /NDF: 19329.0/24

Right Out: 1927.223 $\pm$ 0.317 χ^2 /NDF: 399145.3/33

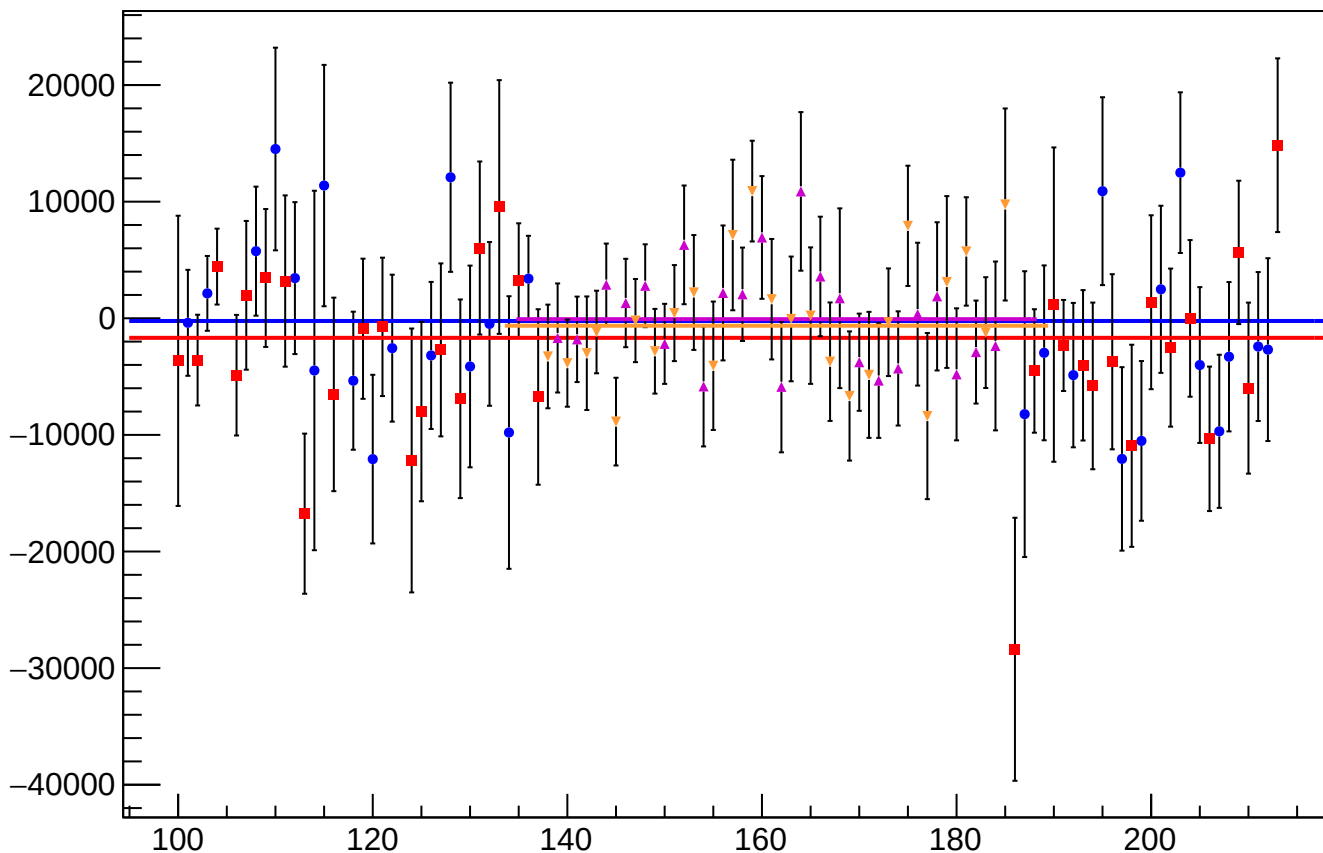
Left In: 1825.165 $\pm$ 0.301 χ^2 /NDF: 13360.2/22

+ sign 1869.646 $\pm$ 0.219 χ^2 /NDF: 784980.5/53

All: 1871.613 $\pm$ 0.155 χ^2 /NDF: 1252037.5/11

- sign 1873.571 $\pm$ 0.219 χ^2 /NDF: 466896.1/56

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: -231.395+/-1185.402 χ^2/NDF : 28.1/28

Left Out: -637.720+/-946.866 χ^2/NDF : 26.0/24

Right Out: -1677.030+/-1083.814 χ^2/NDF : 33.0/33

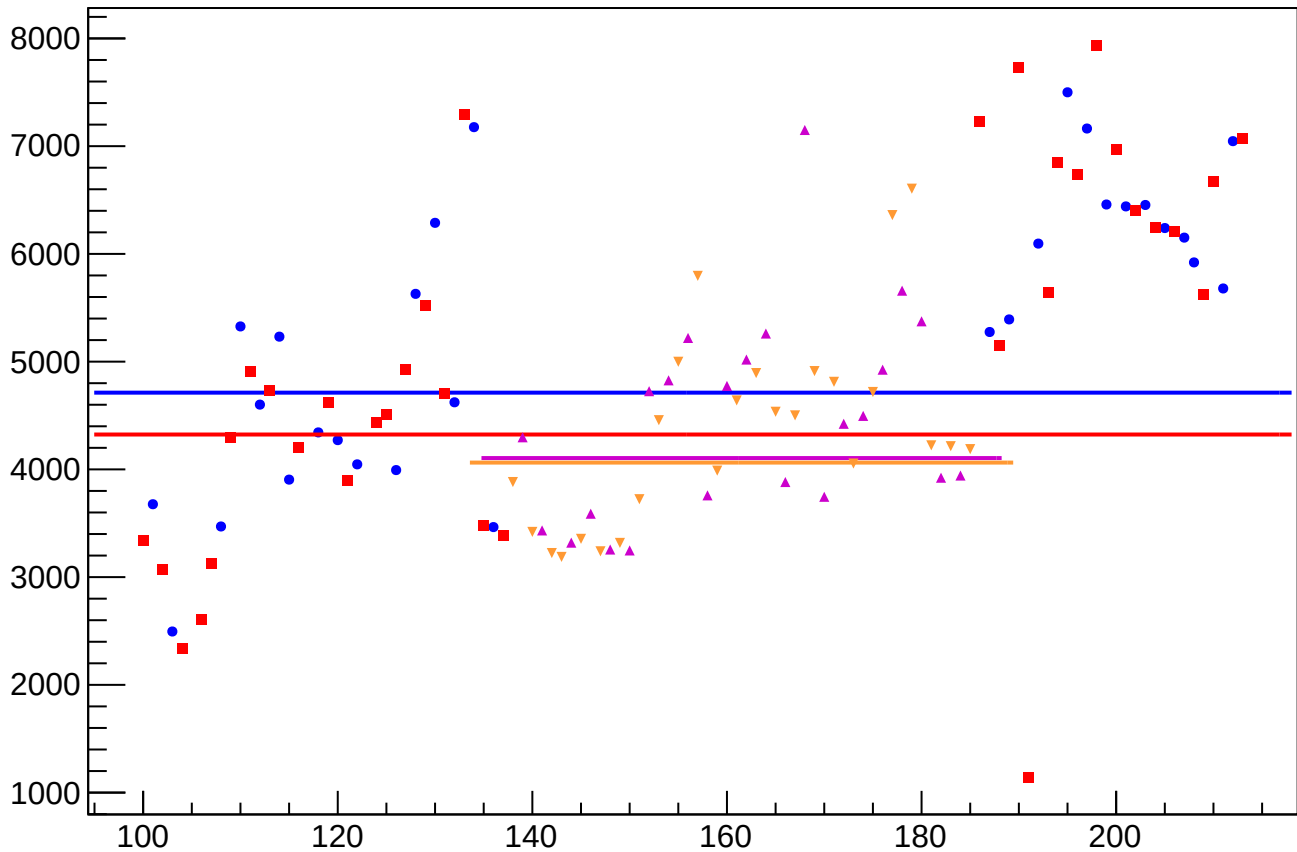
Left In: -75.789+/-980.241 χ^2/NDF : 15.4/22

+ sign -479.451+/-739.821 χ^2/NDF : 54.2/53

All: -640.625+/-518.541 χ^2/NDF : 103.9/110

- sign -796.262+/-727.002 χ^2/NDF : 49.6/56

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4712.213+/-0.838 χ^2/NDF : 3083801.7/28

Left Out: 4063.106+/-0.670 χ^2/NDF : 1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF : 5475294.1/33

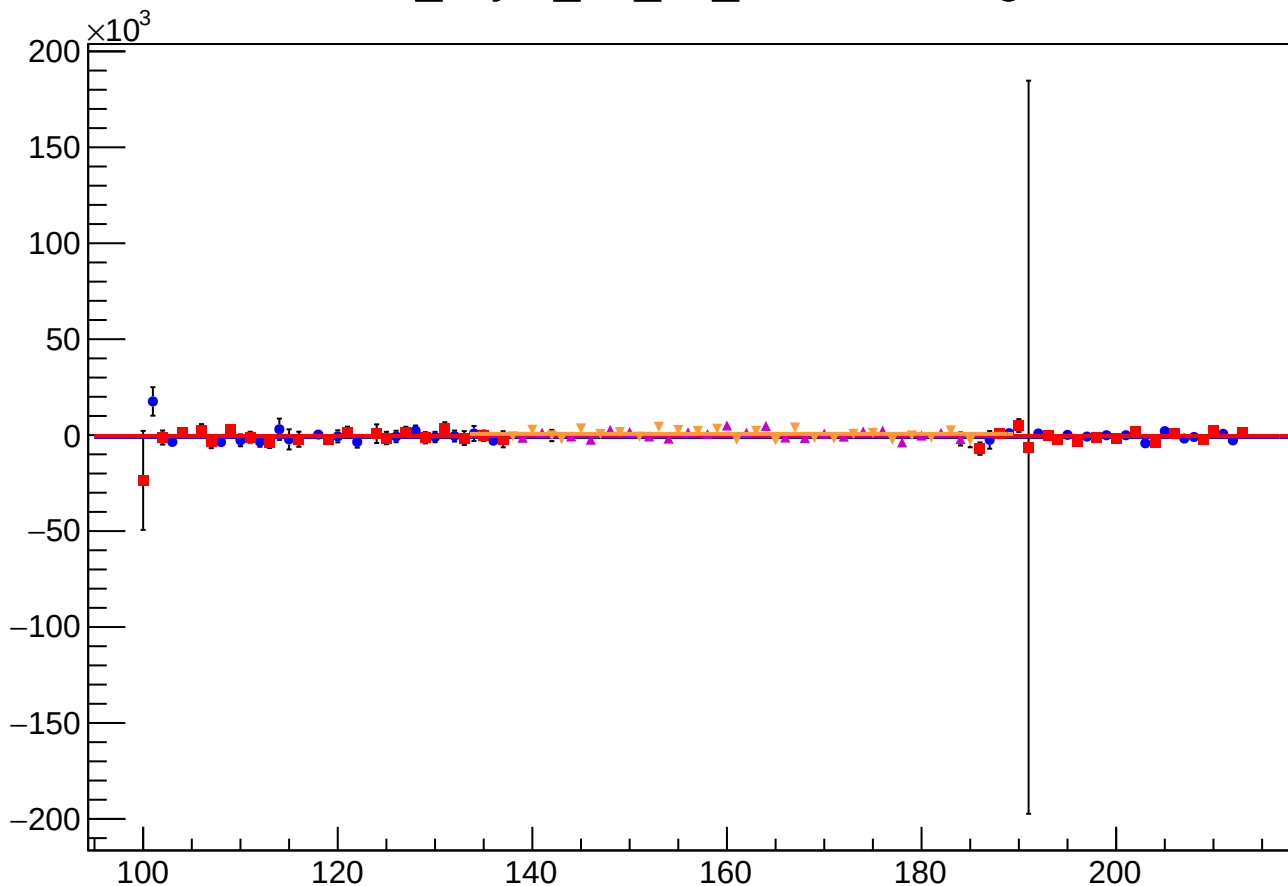
Left In: 4105.050+/-0.693 χ^2/NDF : 1359501.9/22

+ sign 4315.941+/-0.523 χ^2/NDF : 4854939.2/53

All: 4258.691+/-0.367 χ^2/NDF : 11758029.8/100

- sign 4203.408+/-0.514 χ^2/NDF : 6879548.9/56

dit_asym_atr_dd_mean vs Slug



Right In: -938.680 ± 468.625 χ^2/NDF : 22.1/28

Left Out: 657.616 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -442.753 ± 453.026 χ^2/NDF : 28.7/33

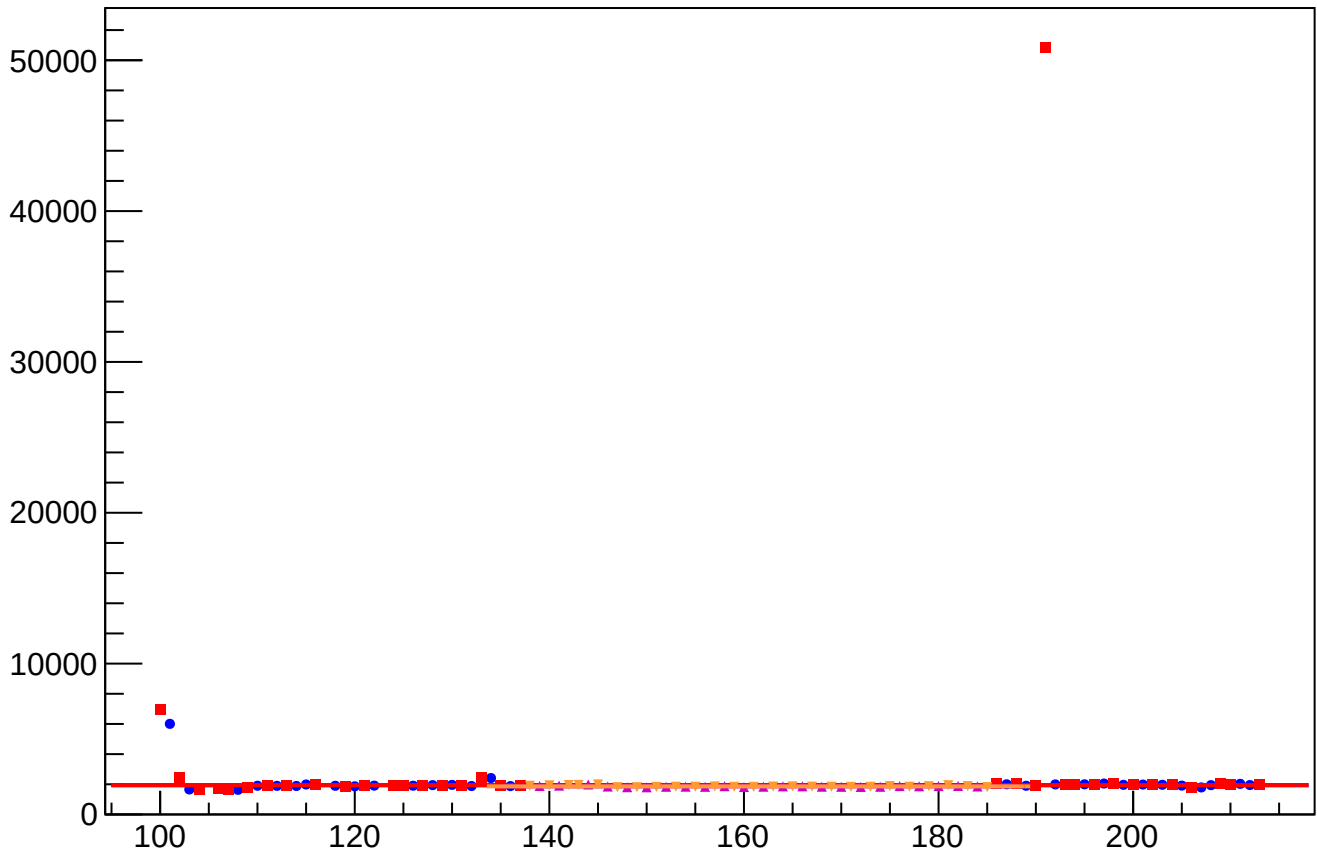
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -59.179 ± 314.027 χ^2/NDF : 55.6/53

All: -28.272 ± 221.807 χ^2/NDF : 109.8/110

- sign 2.501 ± 313.341 χ^2/NDF : 54.2/56

dit_asym_atr_dd_rms vs Slug



Right In: 1936.873+/-0.331 χ^2/NDF : 724056.0/28

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1944.021+/-0.320 χ^2/NDF : 407661.7/33

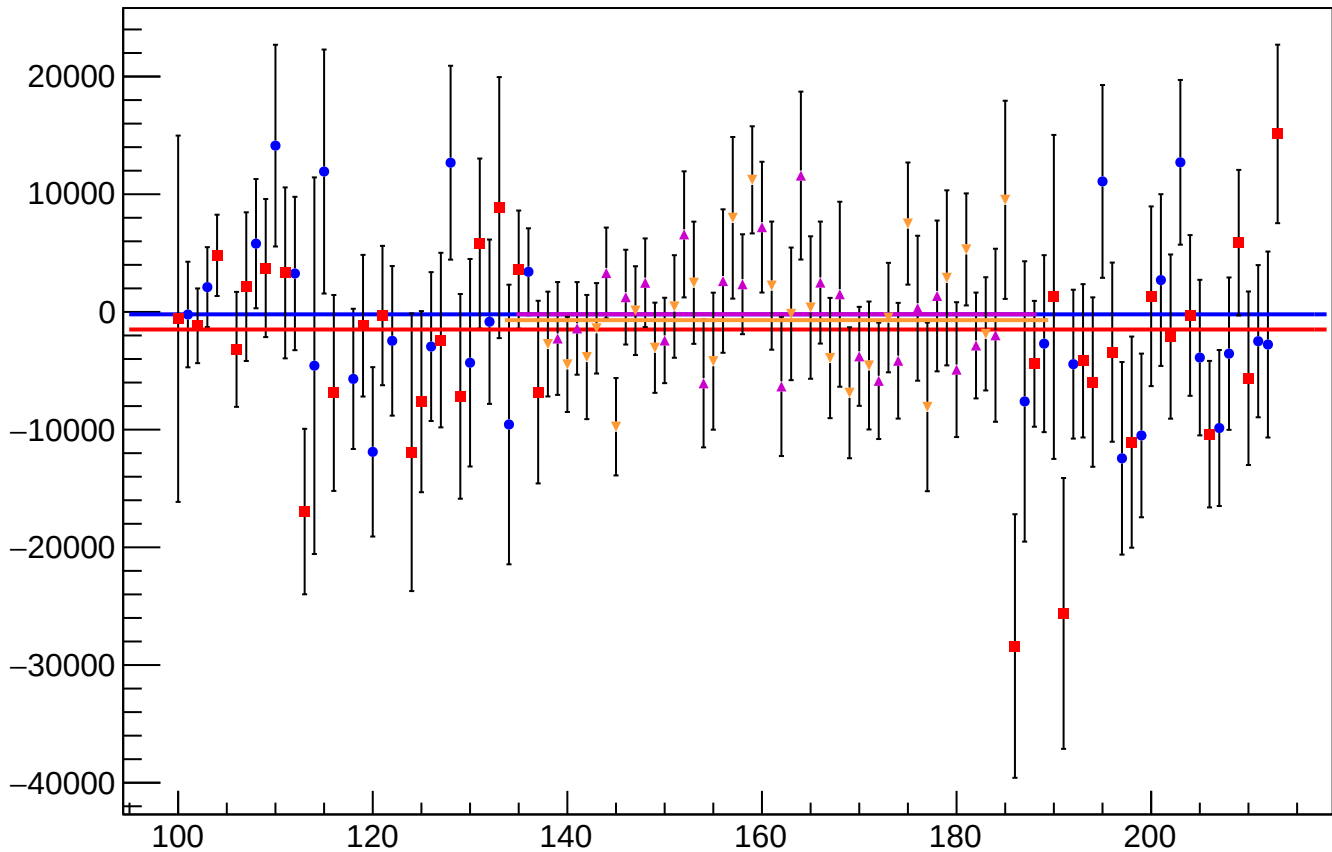
Left In: 1857.661+/-0.307 χ^2/NDF : 16381.0/22

+ sign 1895.472+/-0.222 χ^2/NDF : 778402.5/53

All: 1897.237+/-0.157 χ^2/NDF : 1240498.3/11

- sign 1898.994+/-0.222 χ^2/NDF : 461969.7/56

asym_atr_dd_dit_correction_mean vs Slug



Right In: -204.128 ± 1199.702 χ^2/NDF : 28.0/28

Left Out: -698.287 ± 990.035 χ^2/NDF : 25.3/24

Right Out: -1492.812 ± 1112.876 χ^2/NDF : 36.6/33

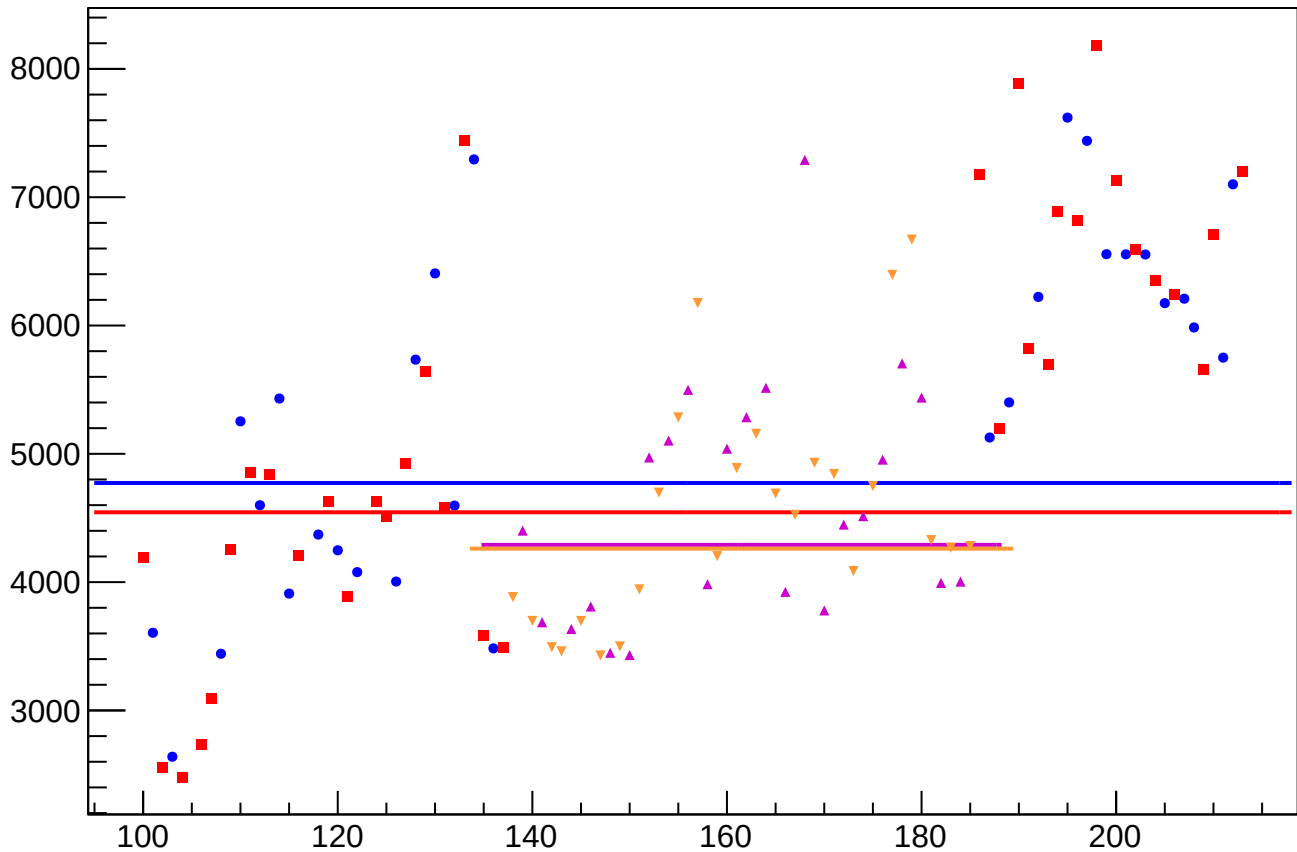
Left In: -192.486 ± 1022.469 χ^2/NDF : 15.2/22

+ sign -498.093 ± 763.599 χ^2/NDF : 53.4/53

All: -644.930 ± 536.134 χ^2/NDF : 106.0/110

- sign -787.694 ± 752.931 χ^2/NDF : 52.5/56

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4772.811+/-0.848 χ^2/NDF : 3000956.3/28

Left Out: 4261.124+/-0.700 χ^2/NDF :1190561.4/24

Right Out: 4544.377+/-0.787 χ^2/NDF : 4446937.1/33

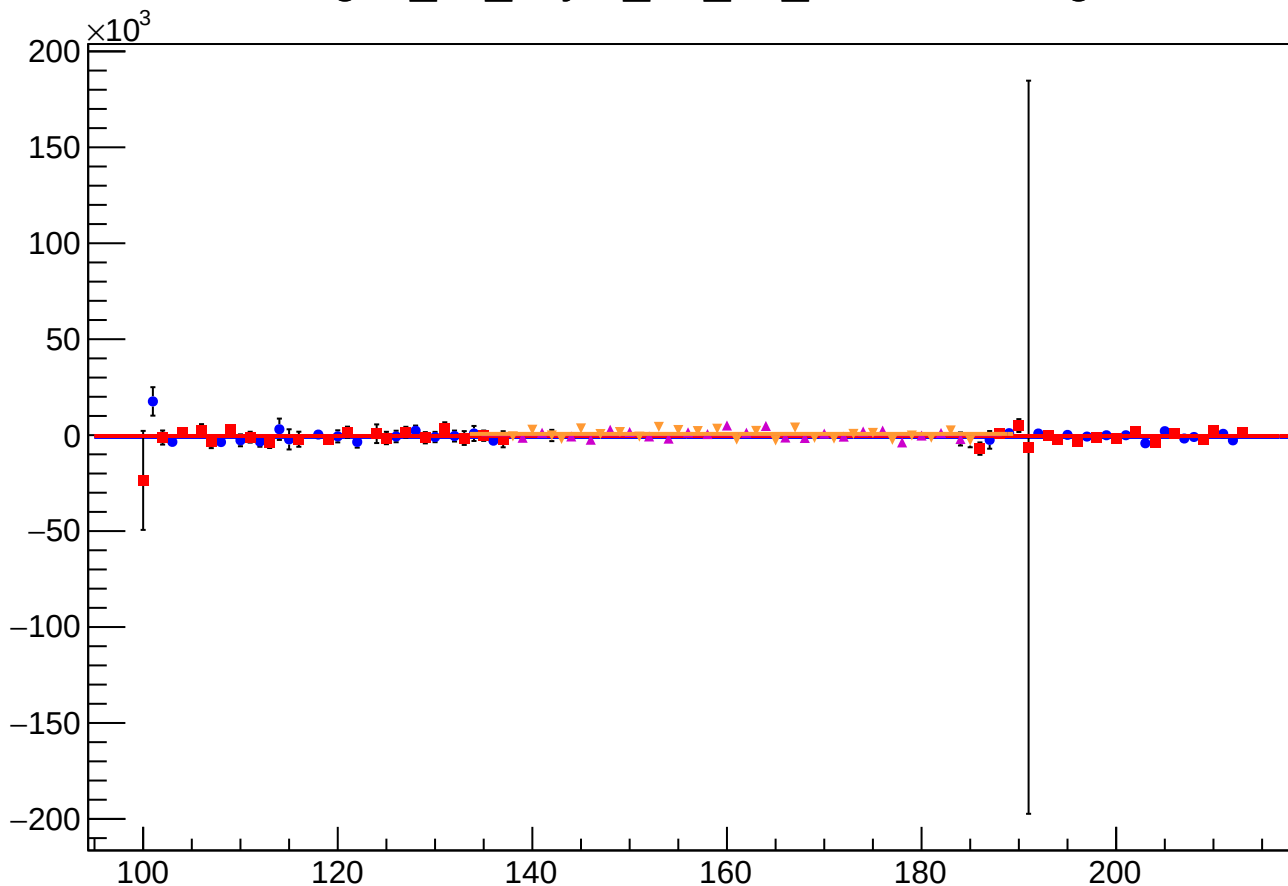
Left In: 4290.398+/-0.723 χ^2/NDF :1213964.7/22

+ sign 4468.419+/-0.540 χ^2/NDF : 4407949.7/53

All: 4437.102+/-0.379 χ^2/NDF : 10131972.4/101

- sign 4406.654+/-0.532 χ^2/NDF : 5717388.1/56

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -938.679 ± 468.625 χ^2/NDF : 22.1/28

Left Out: 657.622 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -442.750 ± 453.026 χ^2/NDF : 28.7/33

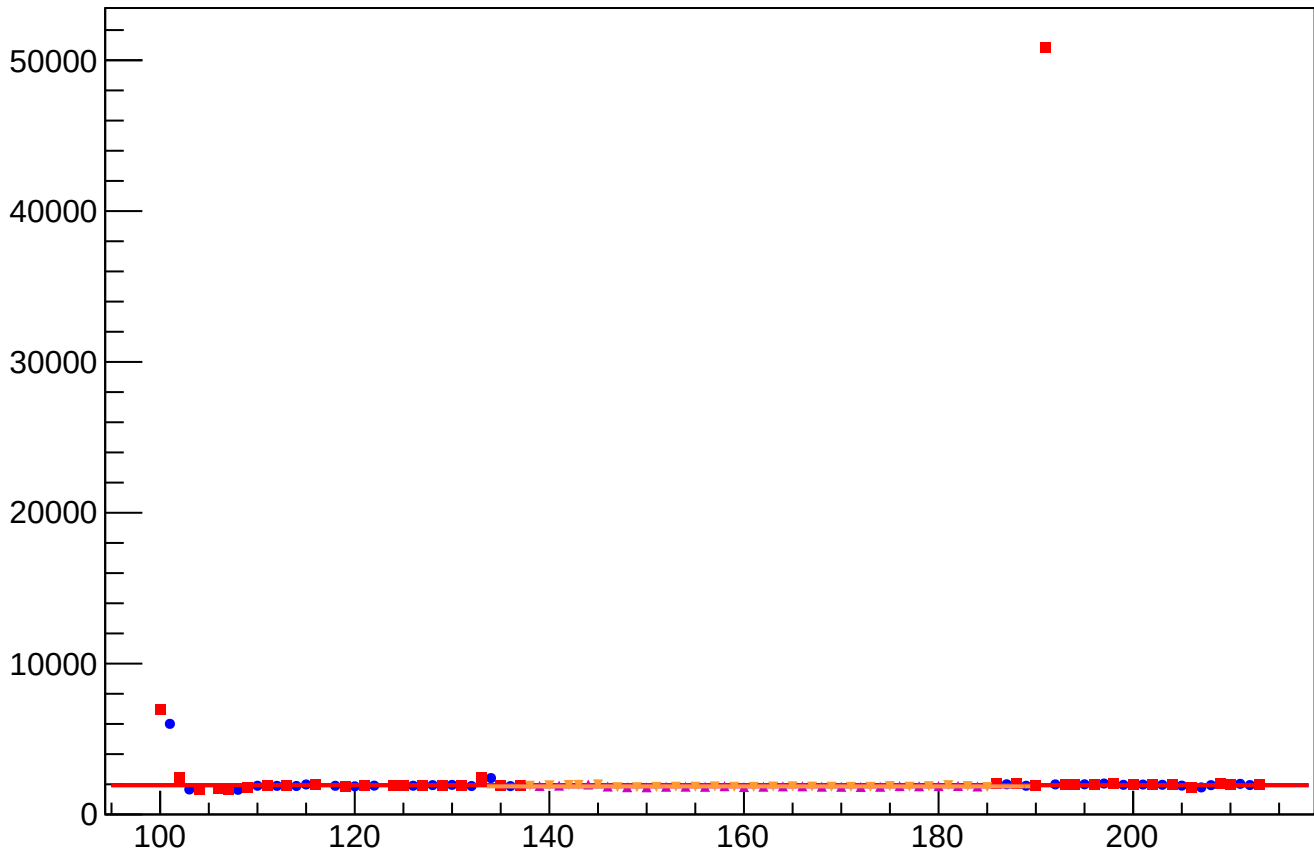
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign -59.176 ± 314.027 χ^2/NDF : 55.6/53

All: -28.270 ± 221.807 χ^2/NDF : 109.8/110

- sign 2.502 ± 313.341 χ^2/NDF : 54.2/56

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1936.873+/-0.331 χ^2/NDF : 724055.9/28

Left Out: 1861.731+/-0.299 χ^2/NDF : 26014.9/24

Right Out: 1944.021+/-0.320 χ^2/NDF : 407661.9/33

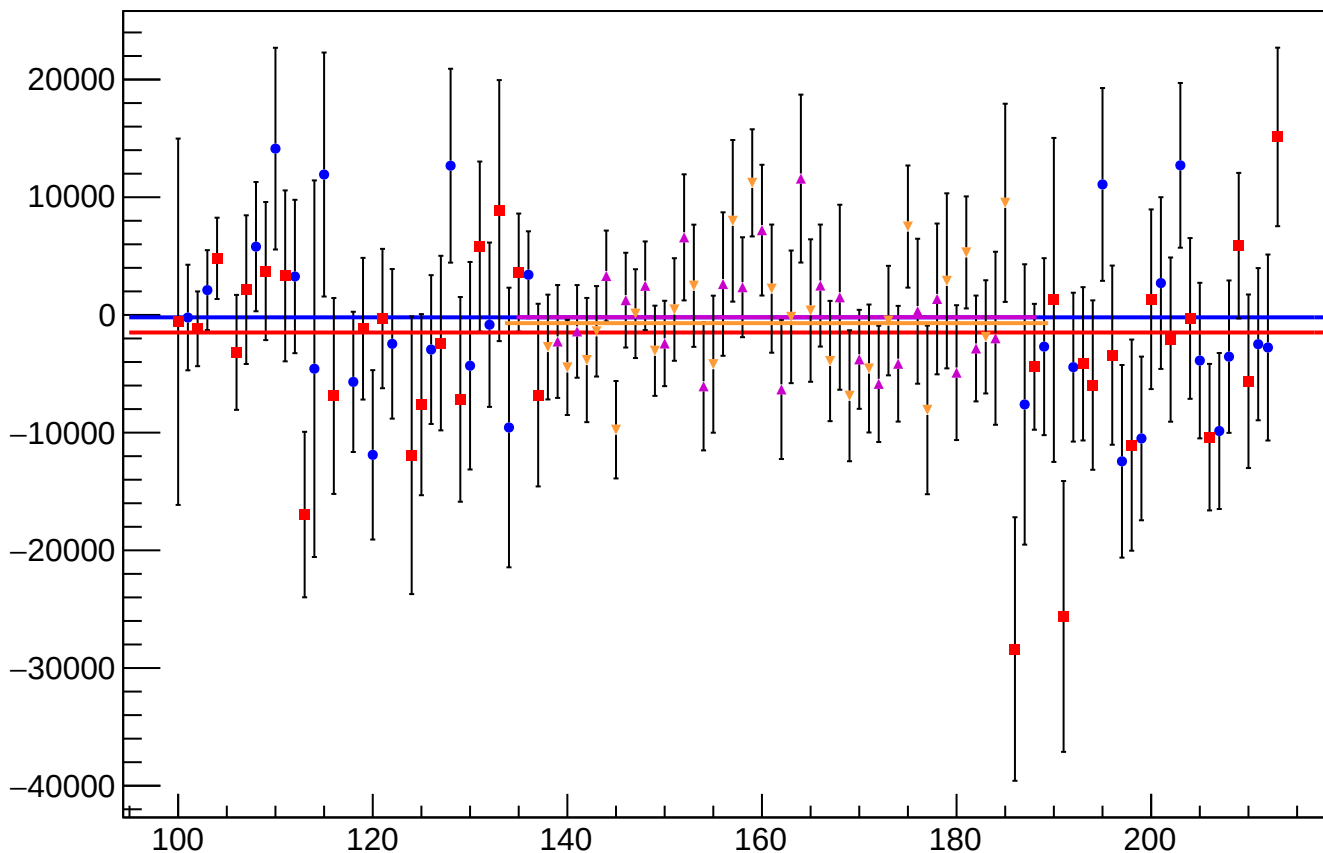
Left In: 1857.661+/-0.307 χ^2/NDF : 16380.9/22

+ sign 1895.473+/-0.222 χ^2/NDF : 778402.0/53

All: 1897.238+/-0.157 χ^2/NDF : 1240497.4/11

- sign 1898.994+/-0.222 χ^2/NDF : 461969.3/56

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: -204.134 ± 1199.702 $\chi^2/\text{NDF}: 28.0/28$

Left Out: -698.285 ± 990.036 $\chi^2/\text{NDF}: 25.3/24$

Right Out: -1492.809 ± 1112.876 $\chi^2/\text{NDF}: 36.6/33$

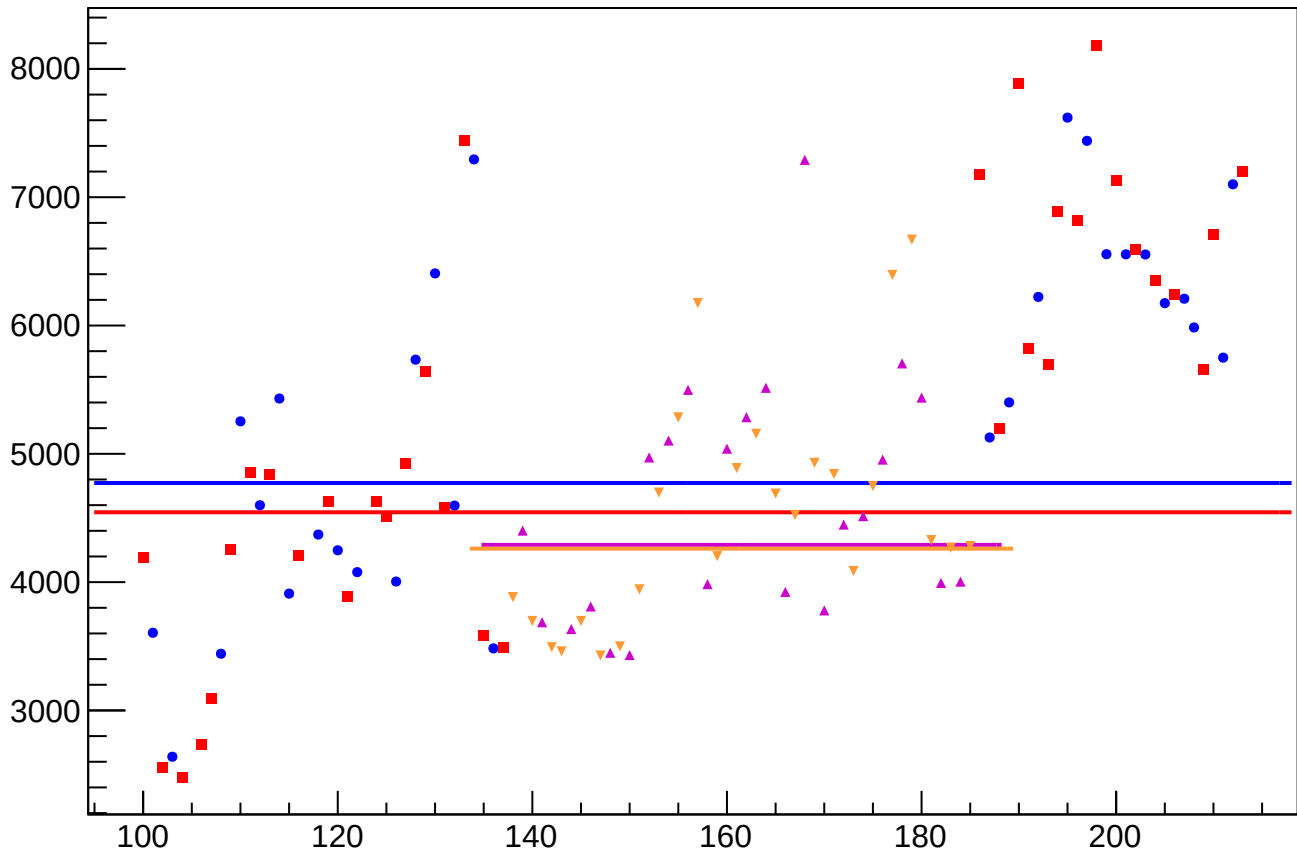
Left In: -192.488 ± 1022.471 $\chi^2/\text{NDF}: 15.2/22$

+ sign -498.094 ± 763.599 $\chi^2/\text{NDF}: 53.4/53$

All: -644.932 ± 536.135 $\chi^2/\text{NDF}: 106.0/110$

- sign -787.695 ± 752.931 $\chi^2/\text{NDF}: 52.5/56$

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4772.810+/-0.848 χ^2/NDF : 3000965.2/28

Left Out: 4261.131+/-0.700 χ^2/NDF : 1190564.2/24

Right Out: 4544.375+/-0.787 χ^2/NDF : 4446945.1/33

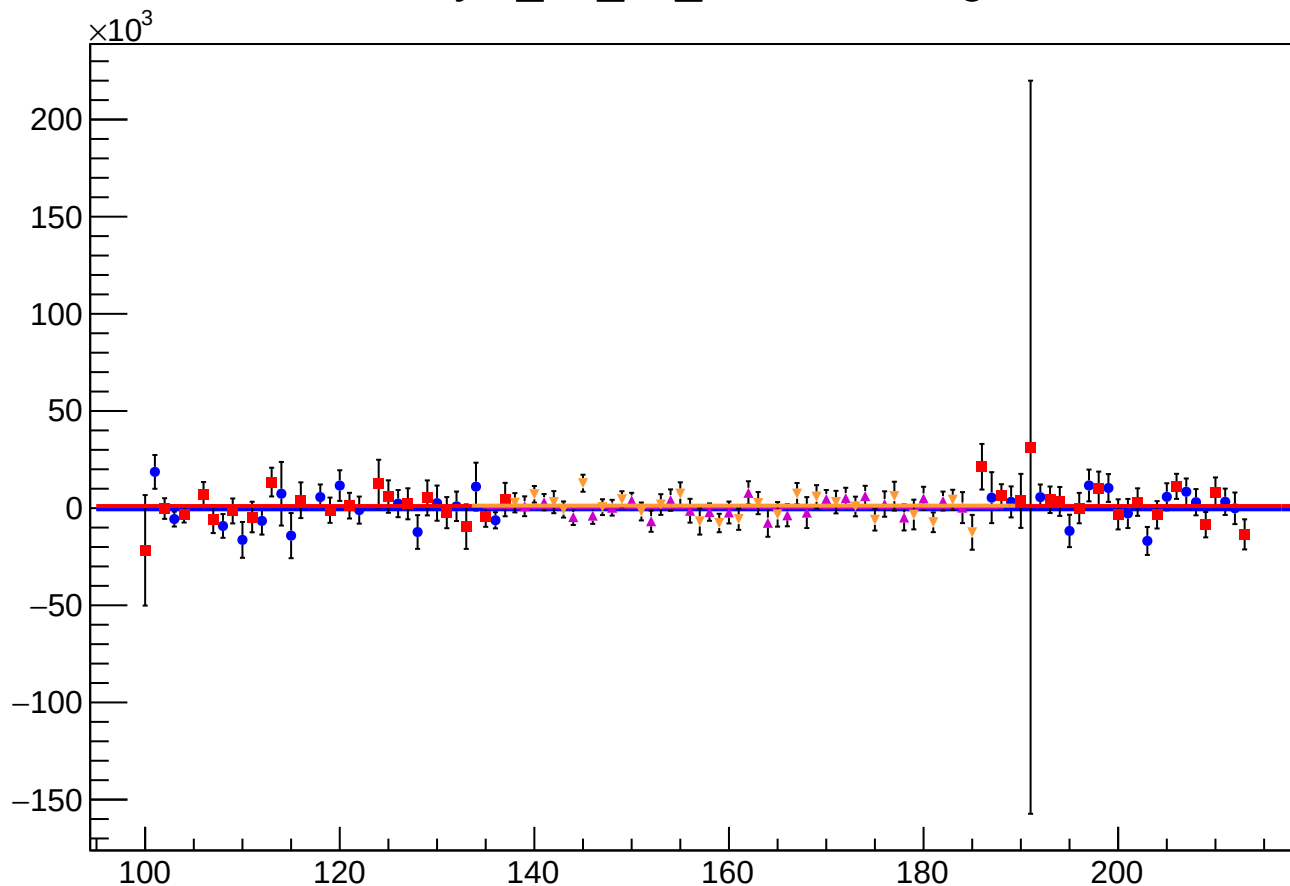
Left In: 4290.404+/-0.723 χ^2/NDF : 1213970.5/22

+ sign 4468.423+/-0.540 χ^2/NDF : 4407954.6/53

All: 4437.105+/-0.379 χ^2/NDF : 10131987.4/101

- sign 4406.657+/-0.532 χ^2/NDF : 5717397.9/56

asym_atr_dd_mean vs Slug



Right In: -600.355 ± 1324.584 χ^2/NDF : 38.2/28

Left Out: 1298.373 ± 1049.555 χ^2/NDF : 28.5/24

Right Out: 1078.992 ± 1260.834 χ^2/NDF : 26.0/33

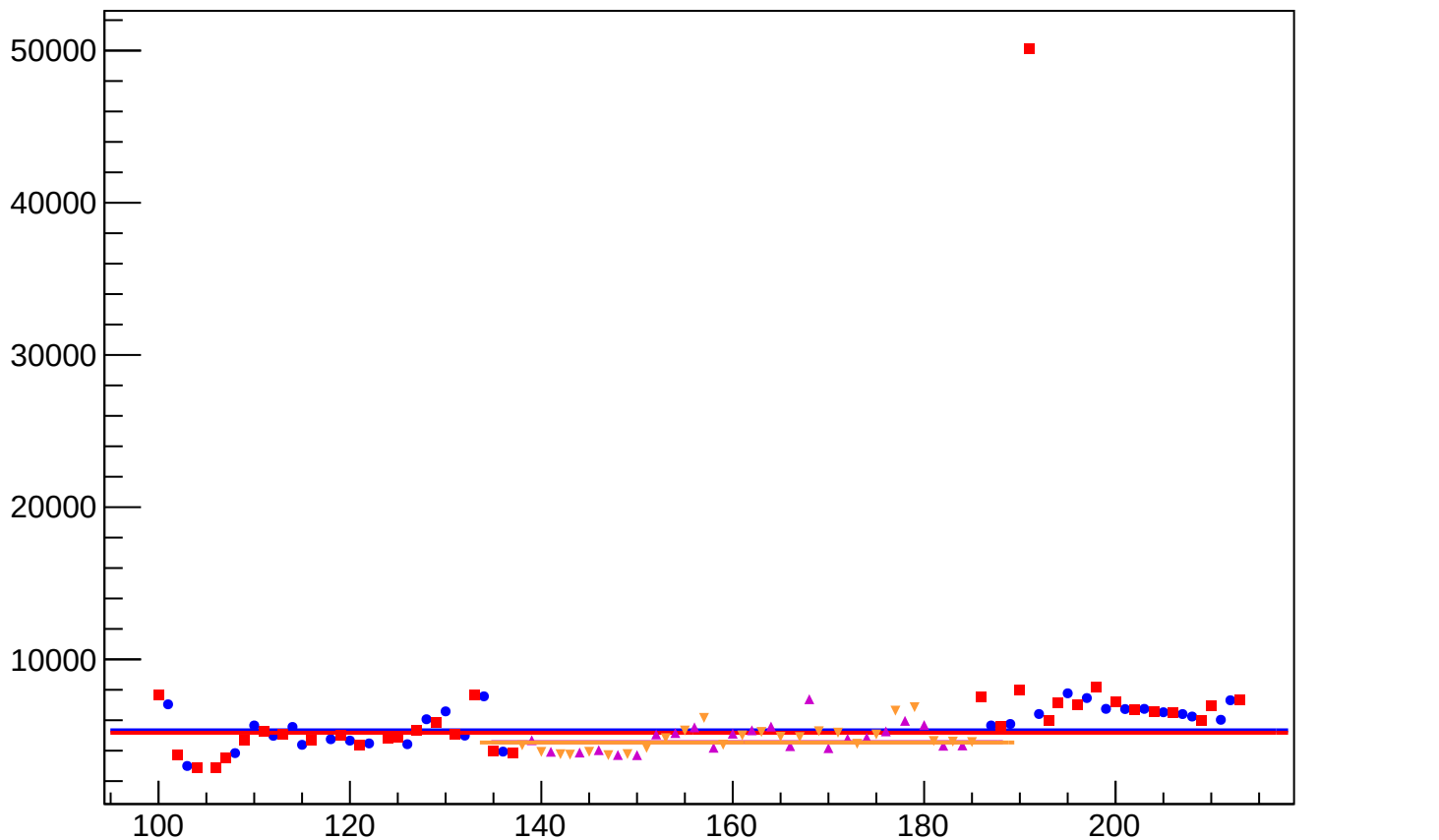
Left In: 576.442 ± 1082.127 χ^2/NDF : 14.4/22

+ sign 566.052 ± 822.619 χ^2/NDF : 67.9/53

All: 678.028 ± 581.162 χ^2/NDF : 108.5/110

- sign 789.607 ± 821.158 χ^2/NDF : 40.6/56

asym_atr_dd_rms vs Slug



Right In: 5336.331+/-0.937 χ^2/NDF : 2269317.1/28

Left Out: 4537.934+/-0.742 χ^2/NDF : 992905.4/24

Right Out: 5177.332+/-0.887 χ^2/NDF : 3061985.0/33

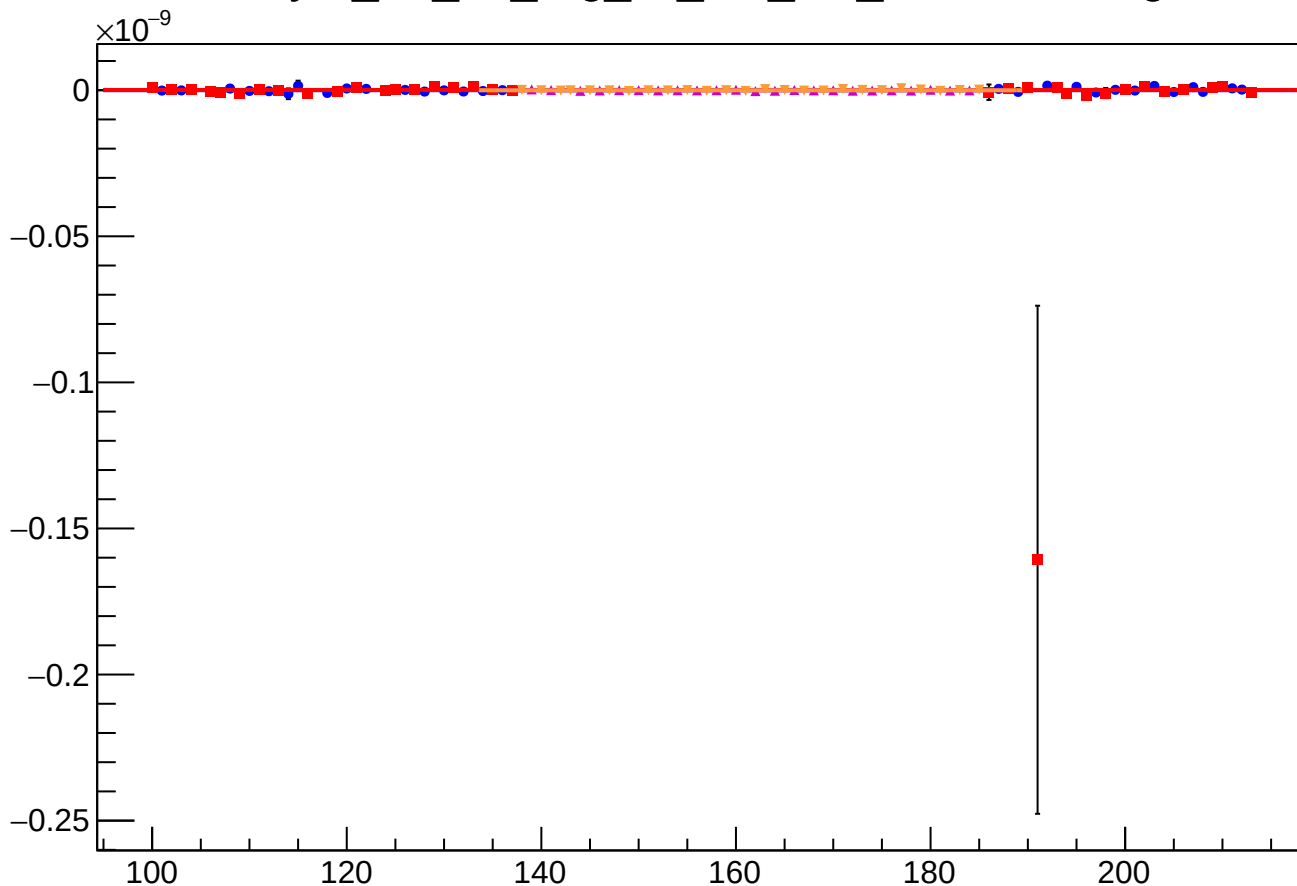
Left In: 4560.506+/-0.765 χ^2/NDF : 980201.3/22

+ sign 4845.868+/-0.582 χ^2/NDF : 3708593.2/53

All: 4834.711+/-0.411 χ^2/NDF : 8028725.0/11

- sign 4823.640+/-0.579 χ^2/NDF : 4319398.8/56

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26.3/28

Left Out: -0.000+/-0.000 χ^2/NDF : 37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 43.7/33

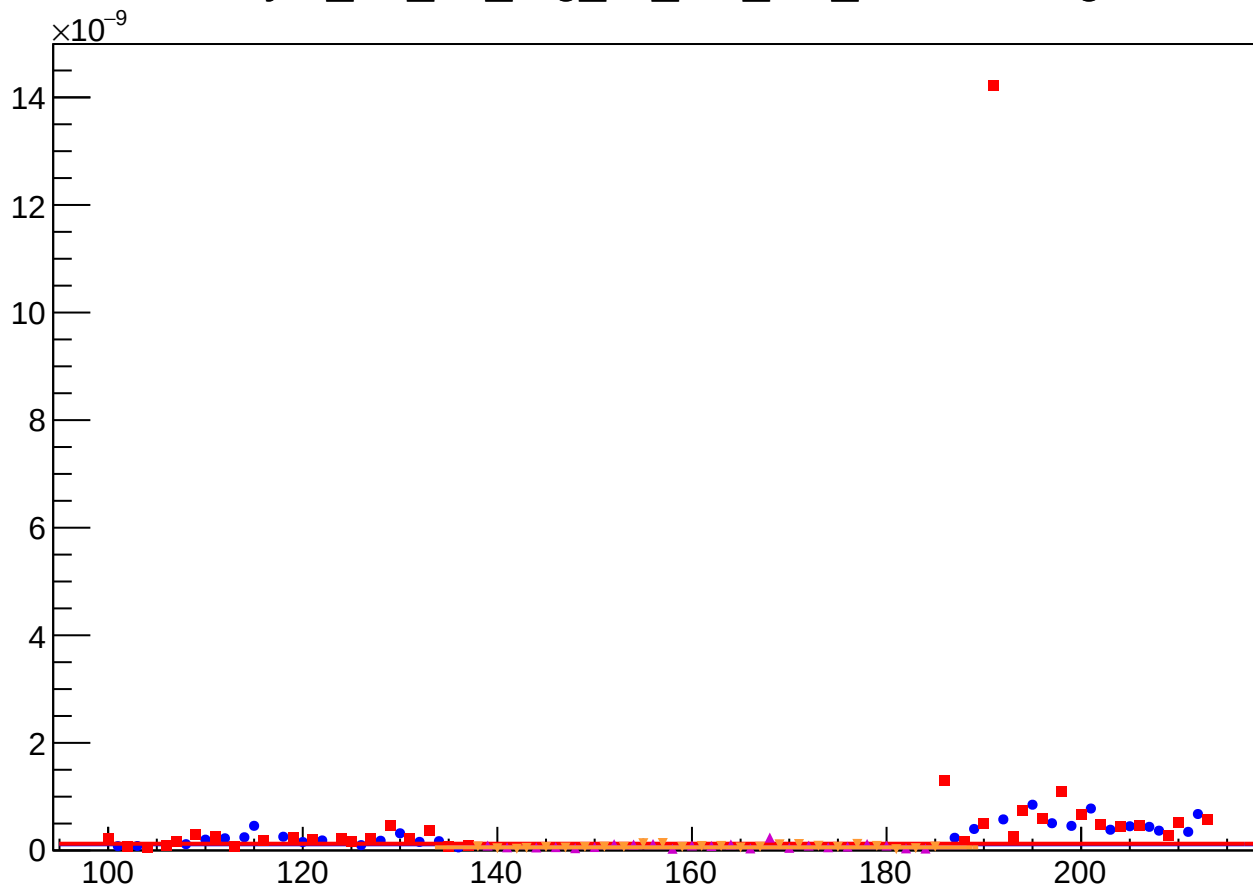
Left In: -0.000+/-0.000 χ^2/NDF : 20.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 64.5/53

All: -0.000+/-0.000 χ^2/NDF : 131.8/110

- sign 0.000+/-0.000 χ^2/NDF : 66.6/56

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6579289.2/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1934390.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7354234.0/33

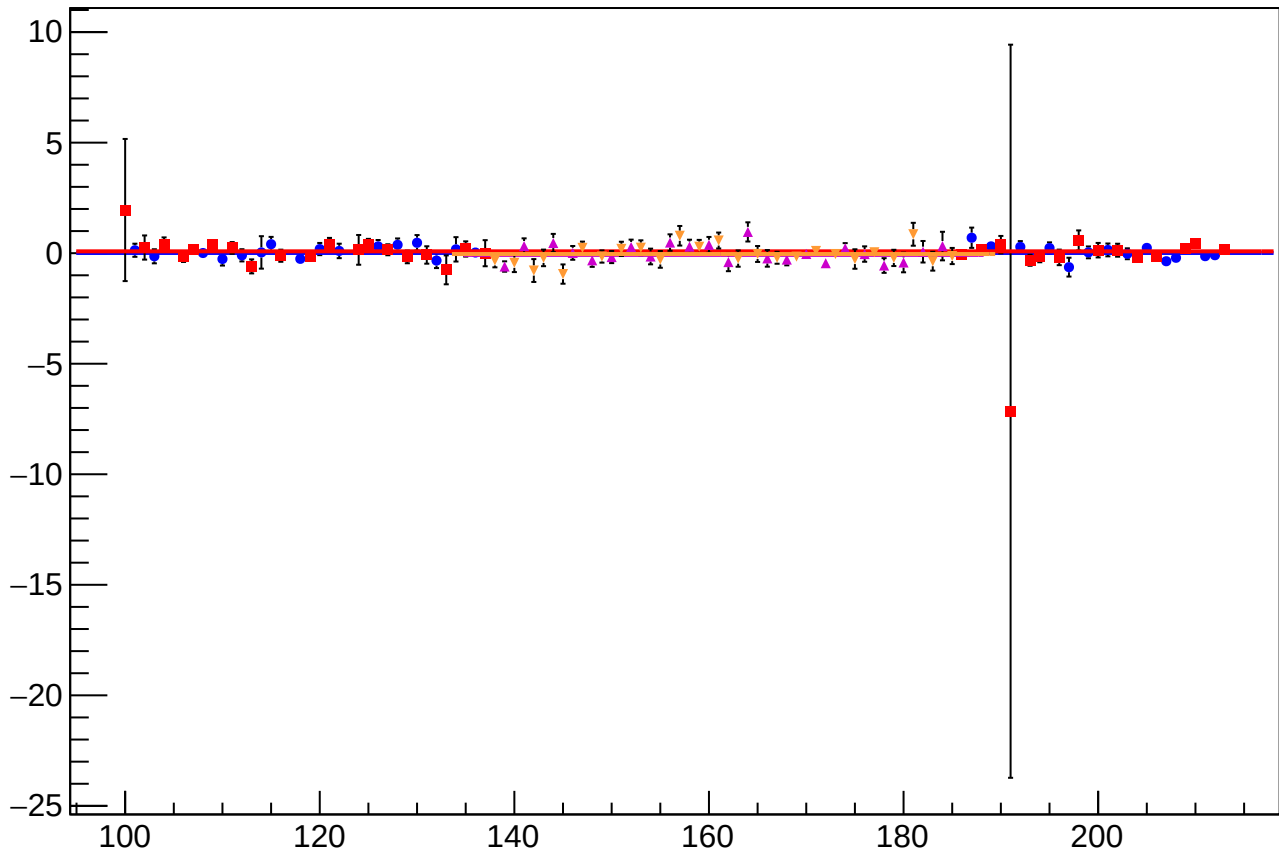
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2104577.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10030489.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 21343195.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11306641.5/56

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.047 χ^2/NDF : 28.5/28

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.044 χ^2/NDF : 33.3/33

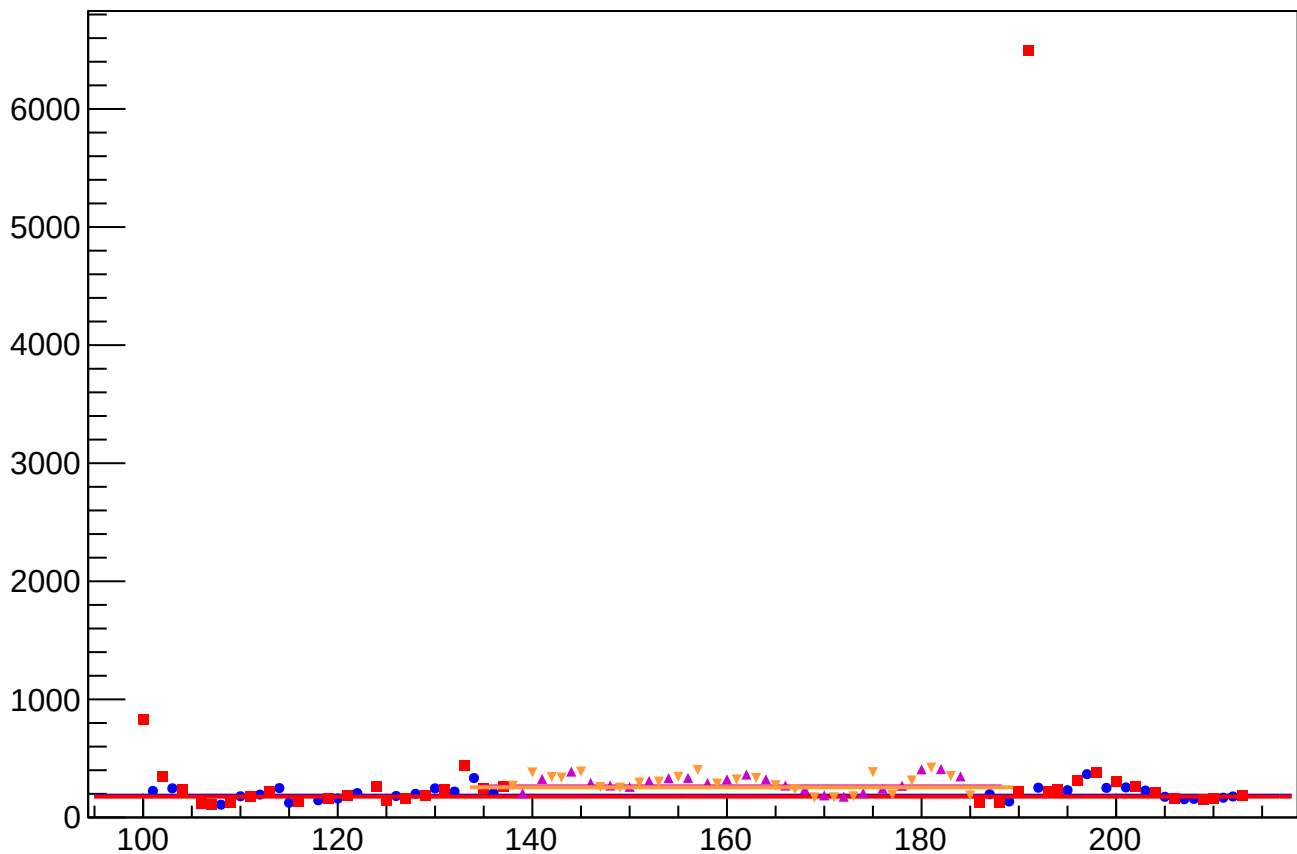
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.007 ± 0.037 χ^2/NDF : 53.4/53

All: 0.013 ± 0.026 χ^2/NDF : 122.6/110

- sign 0.033 ± 0.036 χ^2/NDF : 68.6/56

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 184.604 $\pm$ 0.033 χ^2 /NDF: 2061263.8/28

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 176.166 $\pm$ 0.031 χ^2 /NDF: 3597074.9/33

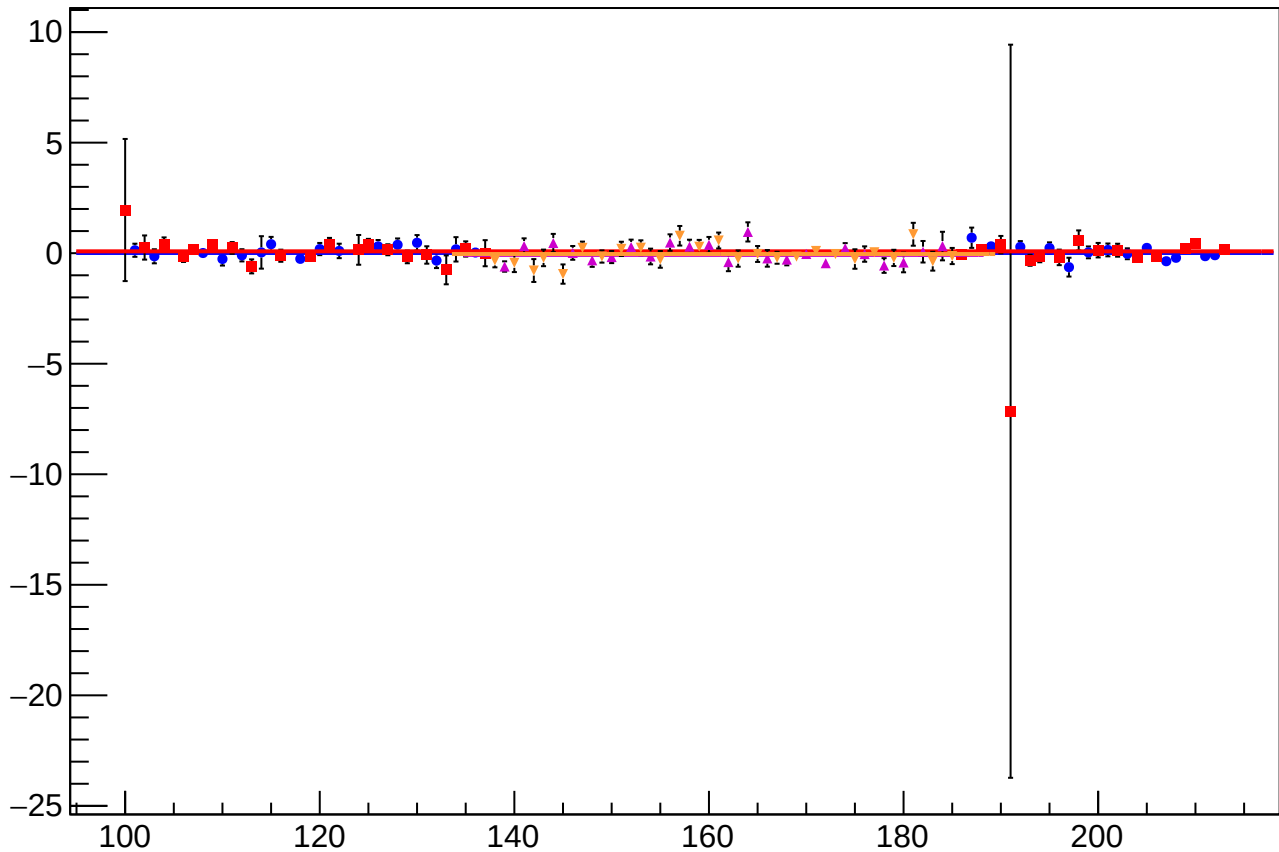
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 210.278 $\pm$ 0.026 χ^2 /NDF: 6660087.3/53

All: 206.821 $\pm$ 0.018 χ^2 /NDF: 14755043.7/1

- sign 203.518 $\pm$ 0.026 χ^2 /NDF: 8061360.4/56

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.047 χ^2/NDF : 28.5/28

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.044 χ^2/NDF : 33.3/33

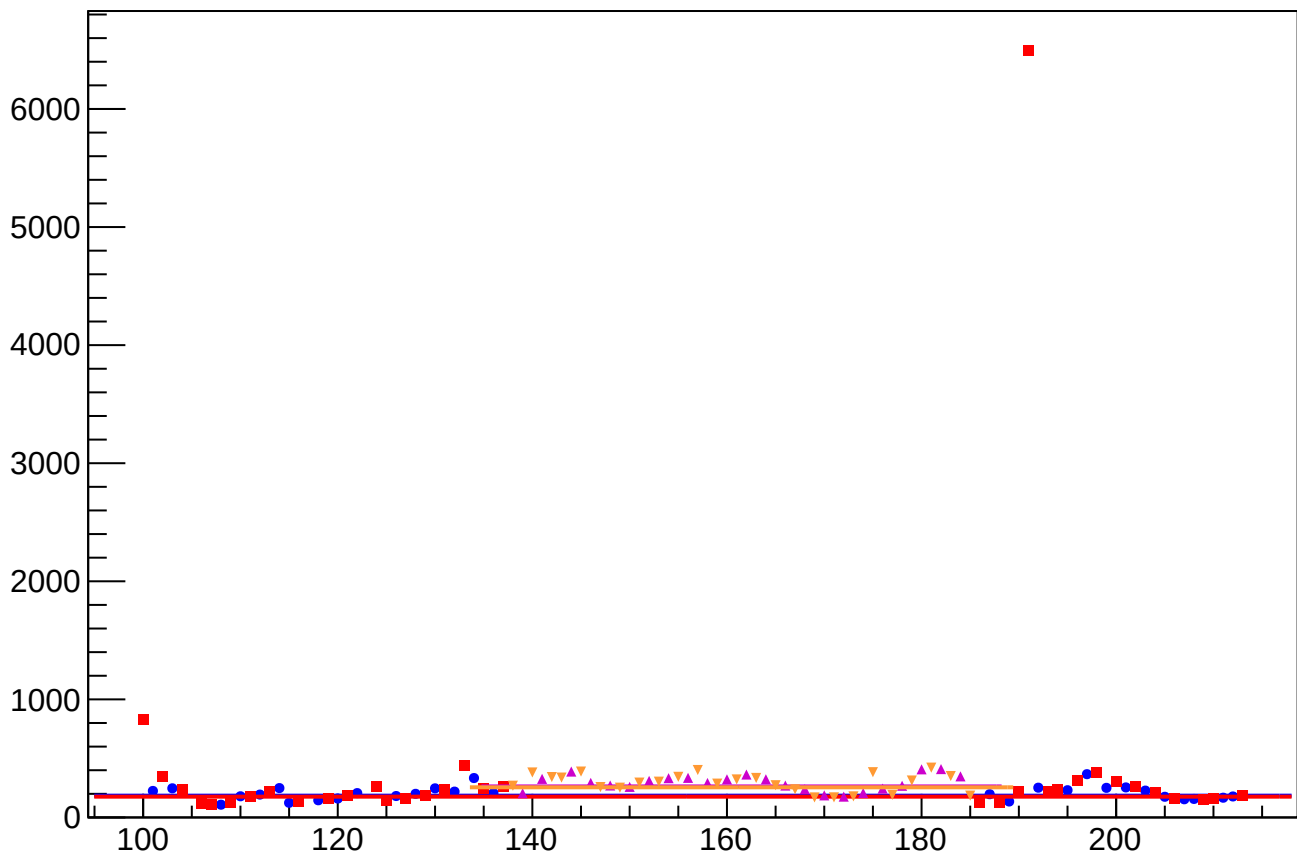
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.007 ± 0.037 χ^2/NDF : 53.4/53

All: 0.013 ± 0.026 χ^2/NDF : 122.6/110

- sign 0.033 ± 0.036 χ^2/NDF : 68.6/56

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 184.604+/-0.033 χ^2/NDF : 2061263.8/28

Left Out: 255.355+/-0.044 χ^2/NDF : 2935324.6/24

Right Out: 176.166+/-0.031 χ^2/NDF : 3597074.9/33

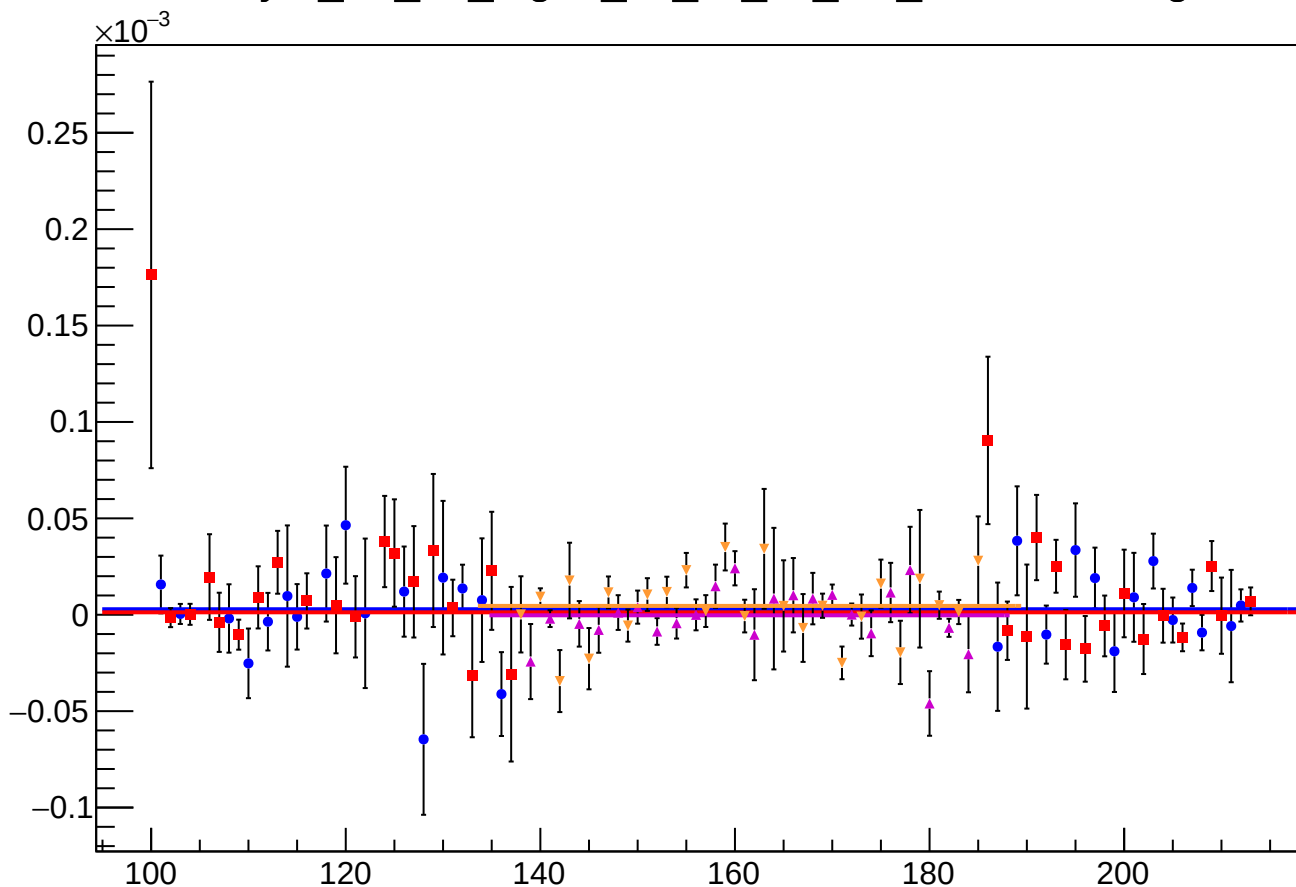
Left In: 262.788+/-0.046 χ^2/NDF : 2025363.4/22

+ sign 210.278+/-0.026 χ^2/NDF : 6660087.3/53

All: 206.821+/-0.018 χ^2/NDF : 14755043.7/11

- sign 203.518+/-0.026 χ^2/NDF : 8061360.4/56

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/33

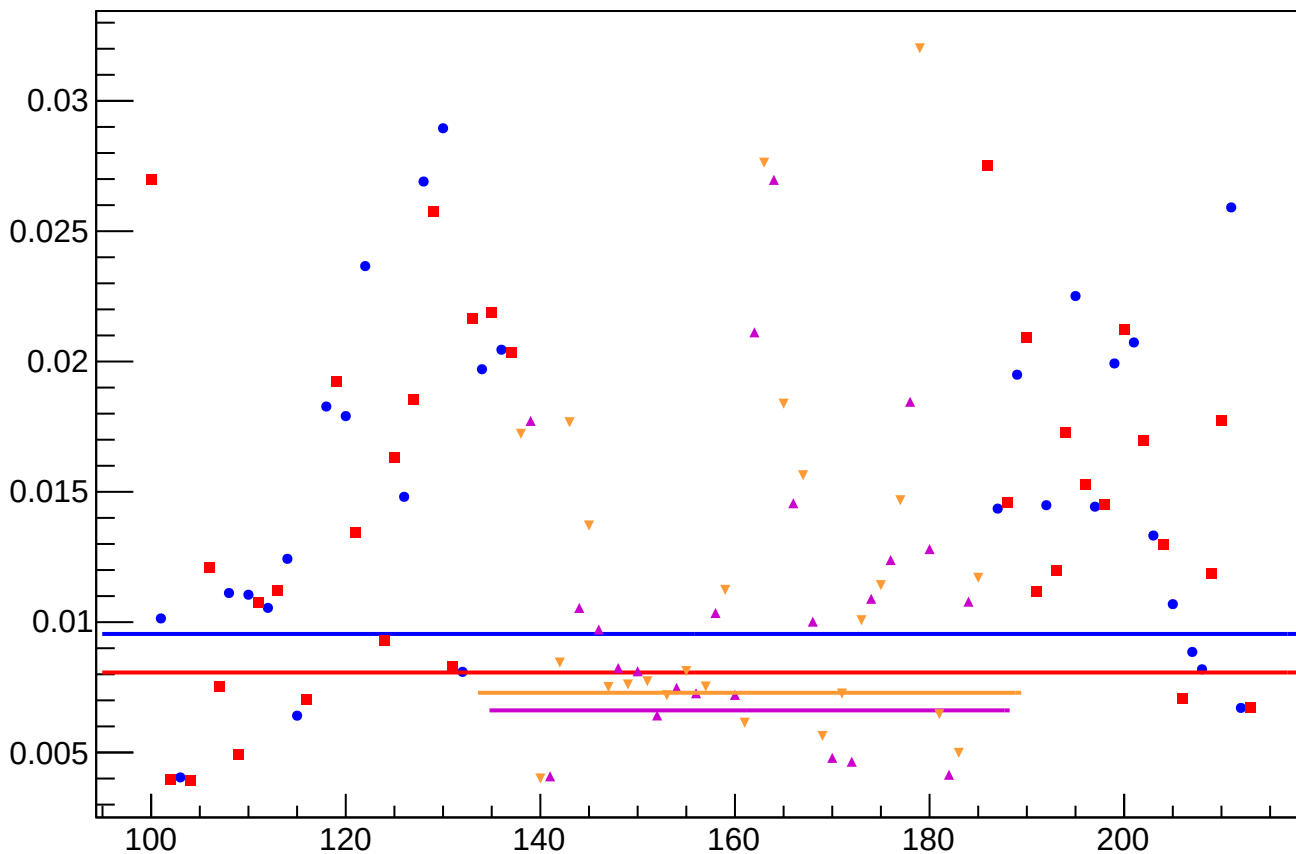
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 143.1/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.8/56

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 8024141.5/28

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6772003.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 10015397.6/33

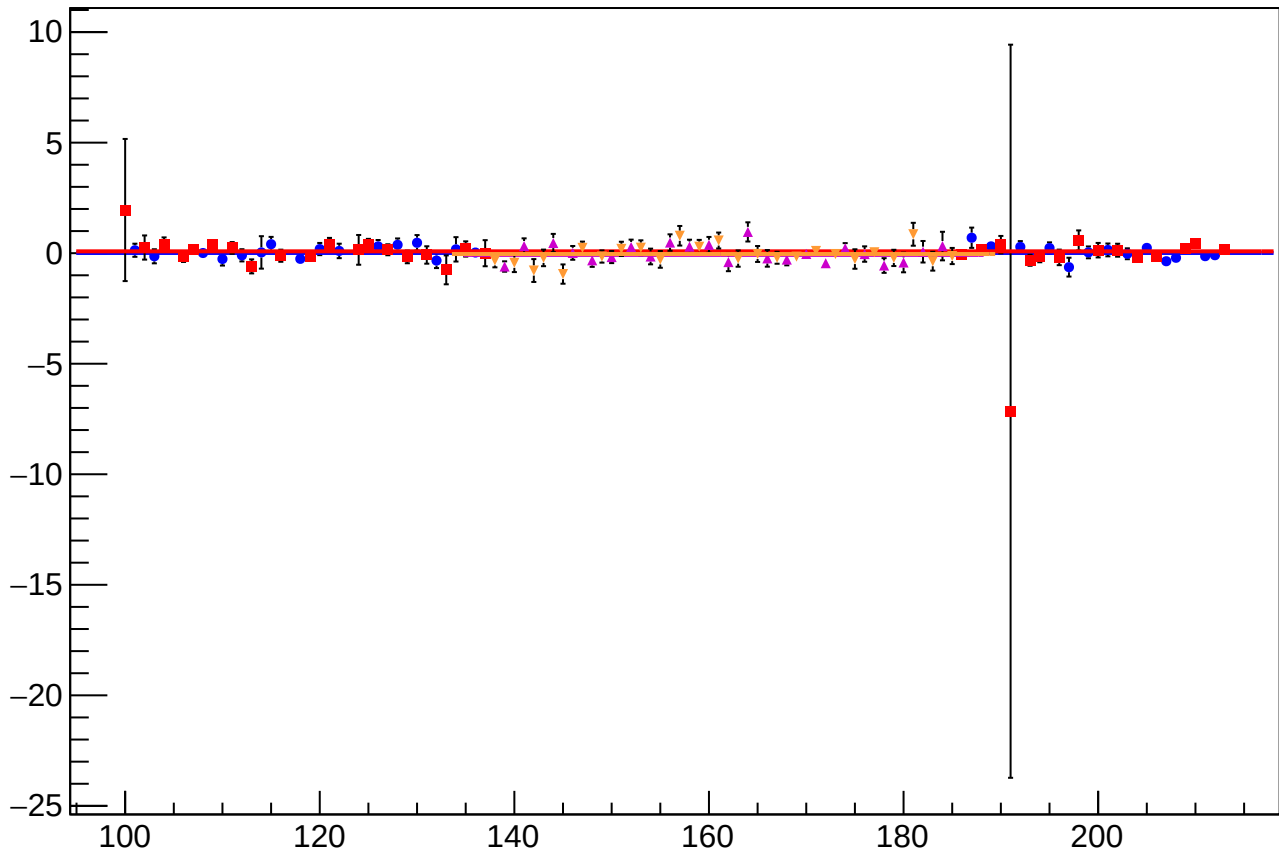
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6410135.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 15749220.0/53

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 33027407.0/110

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 16950043.1/56

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.047 χ^2/NDF : 28.5/28

Left Out: -0.038 ± 0.062 χ^2/NDF : 24.4/24

Right Out: 0.084 ± 0.044 χ^2/NDF : 33.3/33

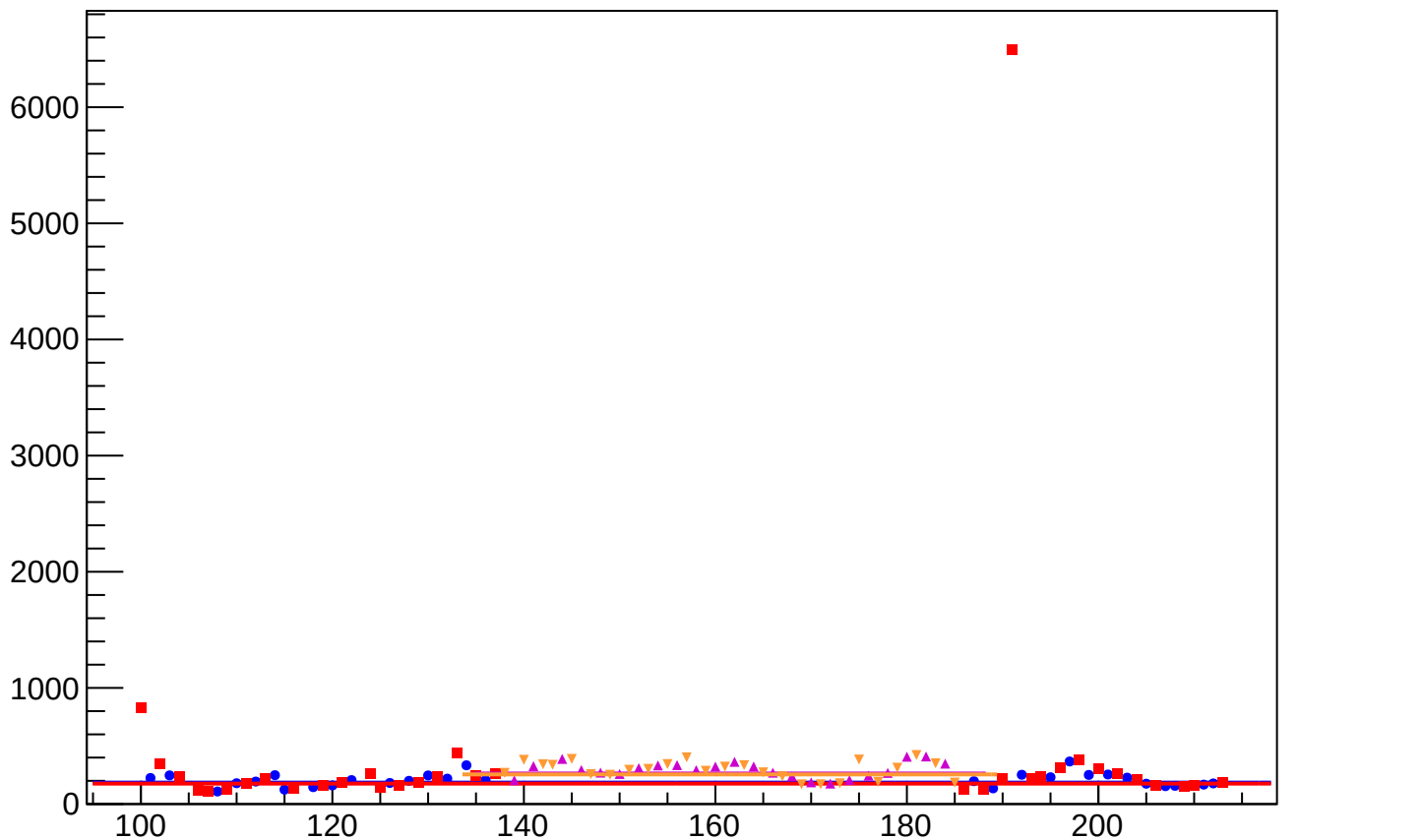
Left In: -0.078 ± 0.065 χ^2/NDF : 31.1/22

+ sign -0.007 ± 0.037 χ^2/NDF : 53.4/53

All: 0.013 ± 0.026 χ^2/NDF : 122.6/110

- sign 0.033 ± 0.036 χ^2/NDF : 68.6/56

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 184.604 $\pm$ 0.033 χ^2 /NDF: 2061241.5/28

Left Out: 255.357 $\pm$ 0.044 χ^2 /NDF: 2935428.4/24

Right Out: 176.167 $\pm$ 0.031 χ^2 /NDF: 3597036.4/33

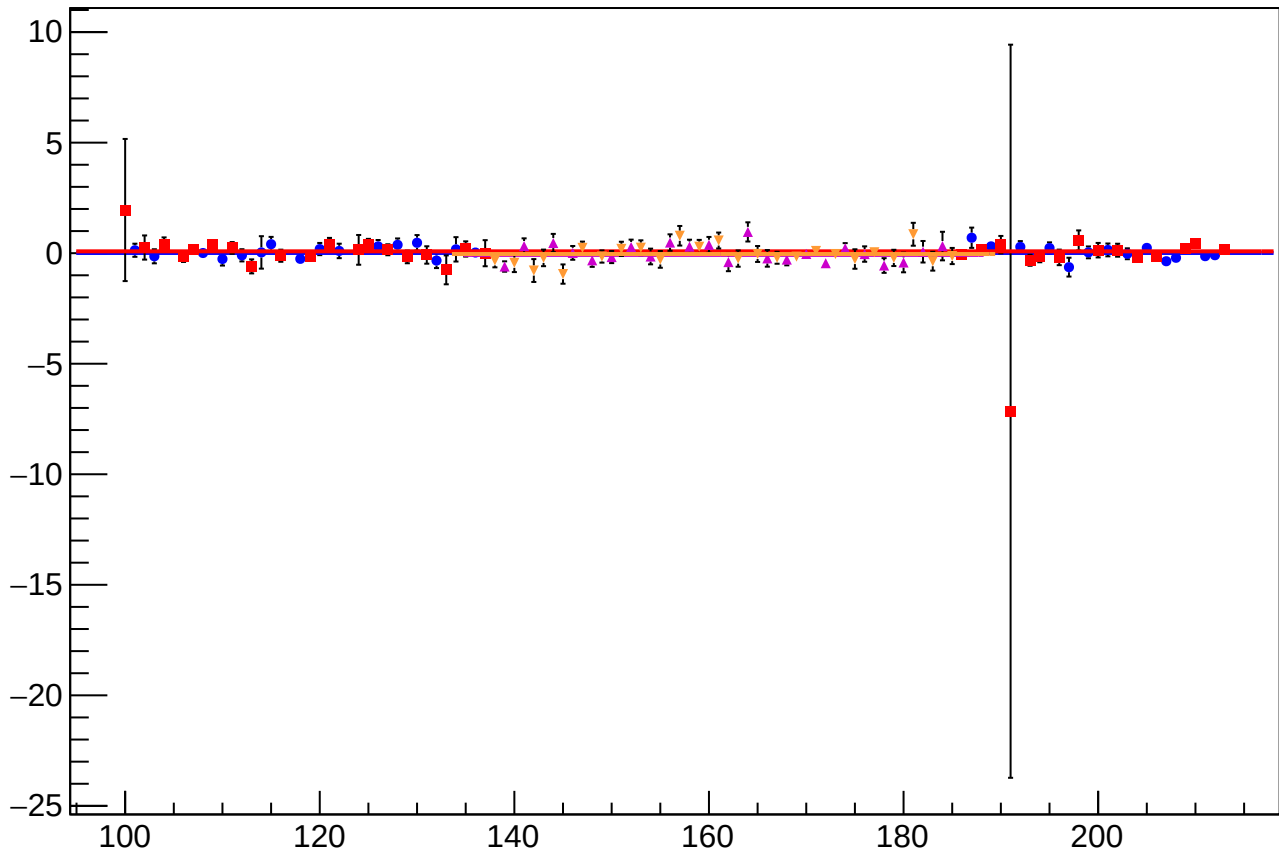
Left In: 262.790 $\pm$ 0.046 χ^2 /NDF: 2025402.0/22

+ sign 210.279 $\pm$ 0.026 χ^2 /NDF: 6660199.3/53

All: 206.822 $\pm$ 0.018 χ^2 /NDF: 14755197.2/11

- sign 203.519 $\pm$ 0.026 χ^2 /NDF: 8061404.6/56

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.047 χ^2 /NDF: 28.5/28

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.084 $\pm$ 0.044 χ^2 /NDF: 33.3/33

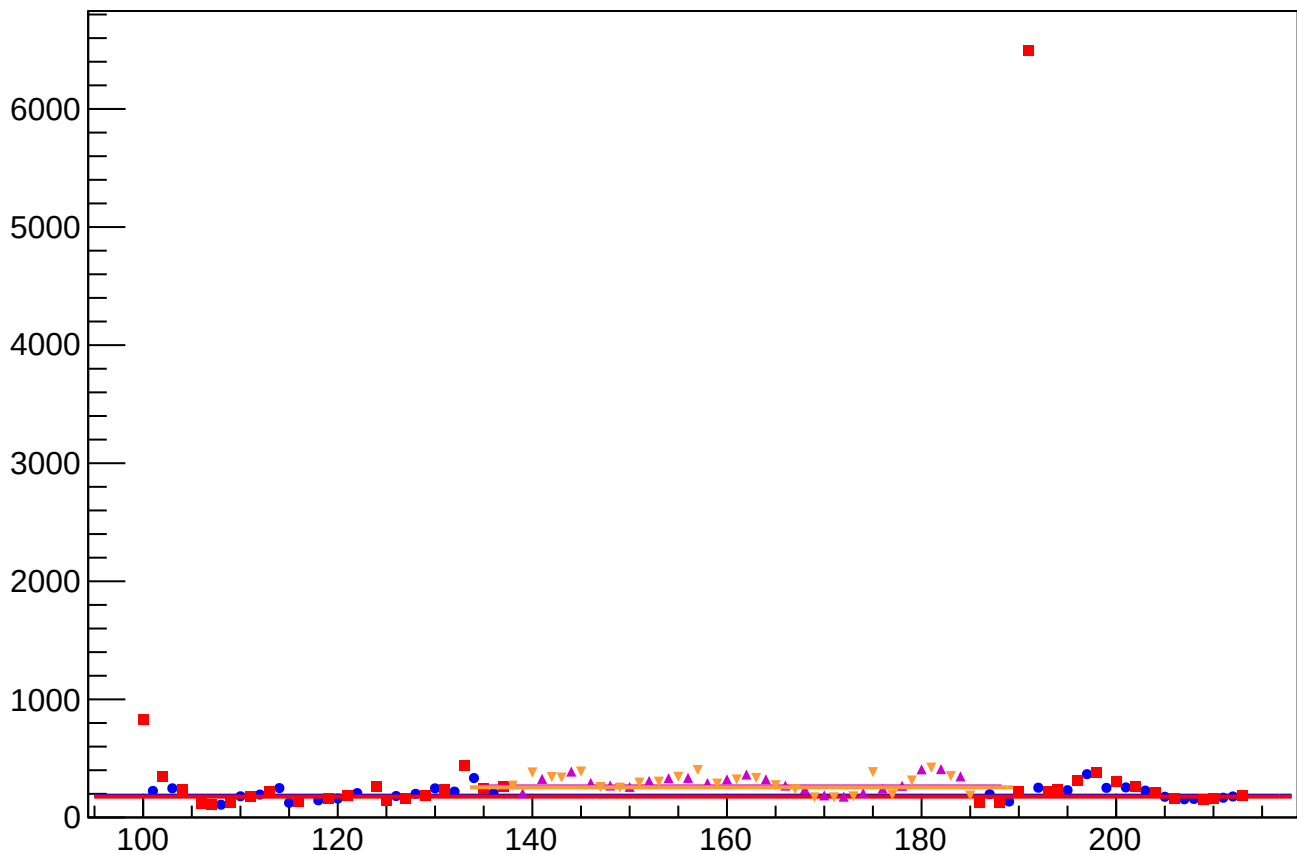
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign -0.007 $\pm$ 0.037 χ^2 /NDF: 53.4/53

All: 0.013 $\pm$ 0.026 χ^2 /NDF: 122.6/110

- sign 0.033 $\pm$ 0.036 χ^2 /NDF: 68.6/56

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 184.604 $\pm$ 0.033 χ^2 /NDF: 2061241.5/28

Left Out: 255.357 $\pm$ 0.044 χ^2 /NDF: 2935428.4/24

Right Out: 176.167 $\pm$ 0.031 χ^2 /NDF: 3597036.4/33

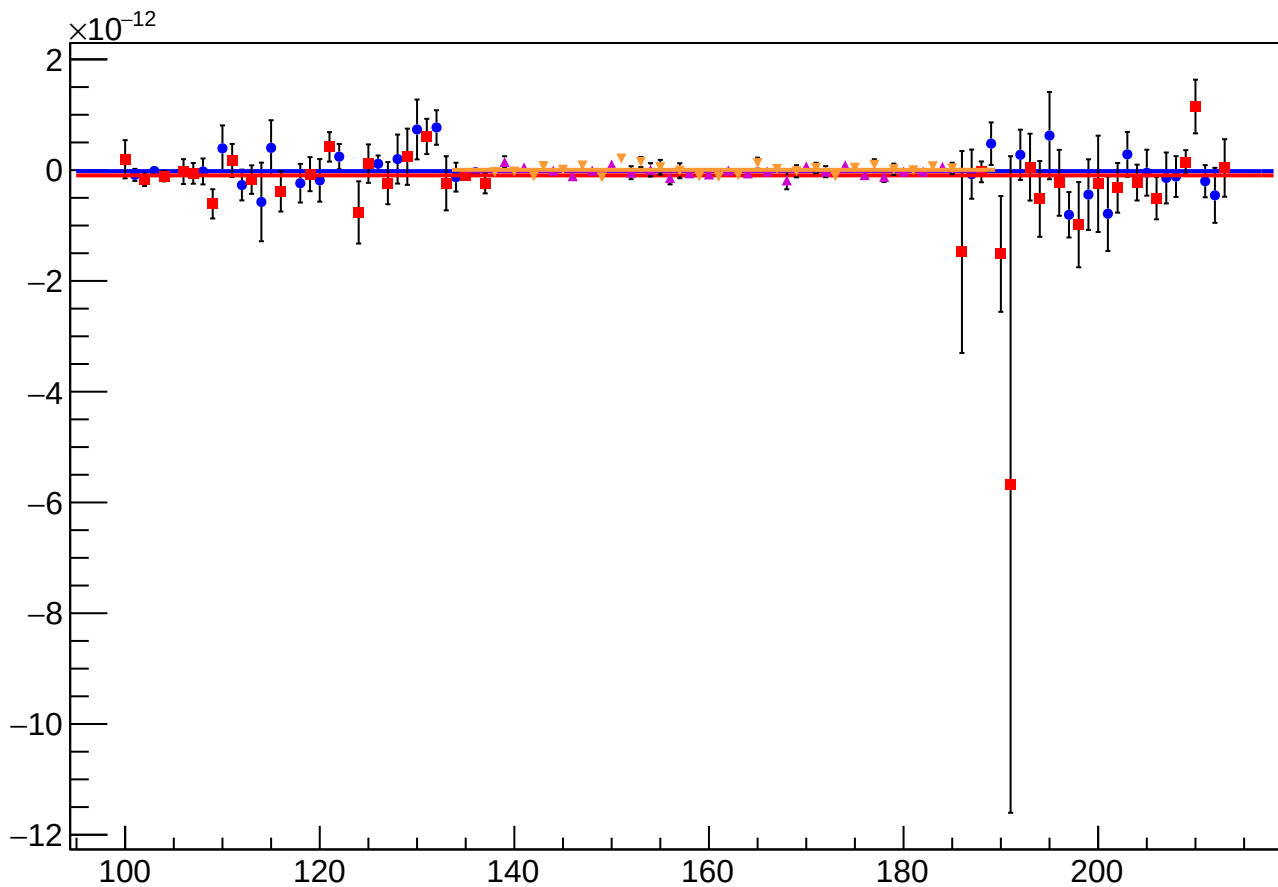
Left In: 262.790 $\pm$ 0.046 χ^2 /NDF: 2025402.0/22

+ sign 210.279 $\pm$ 0.026 χ^2 /NDF: 6660199.3/53

All: 206.822 $\pm$ 0.018 χ^2 /NDF: 14755197.2/11

- sign 203.519 $\pm$ 0.026 χ^2 /NDF: 8061404.6/56

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 30.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.1/33

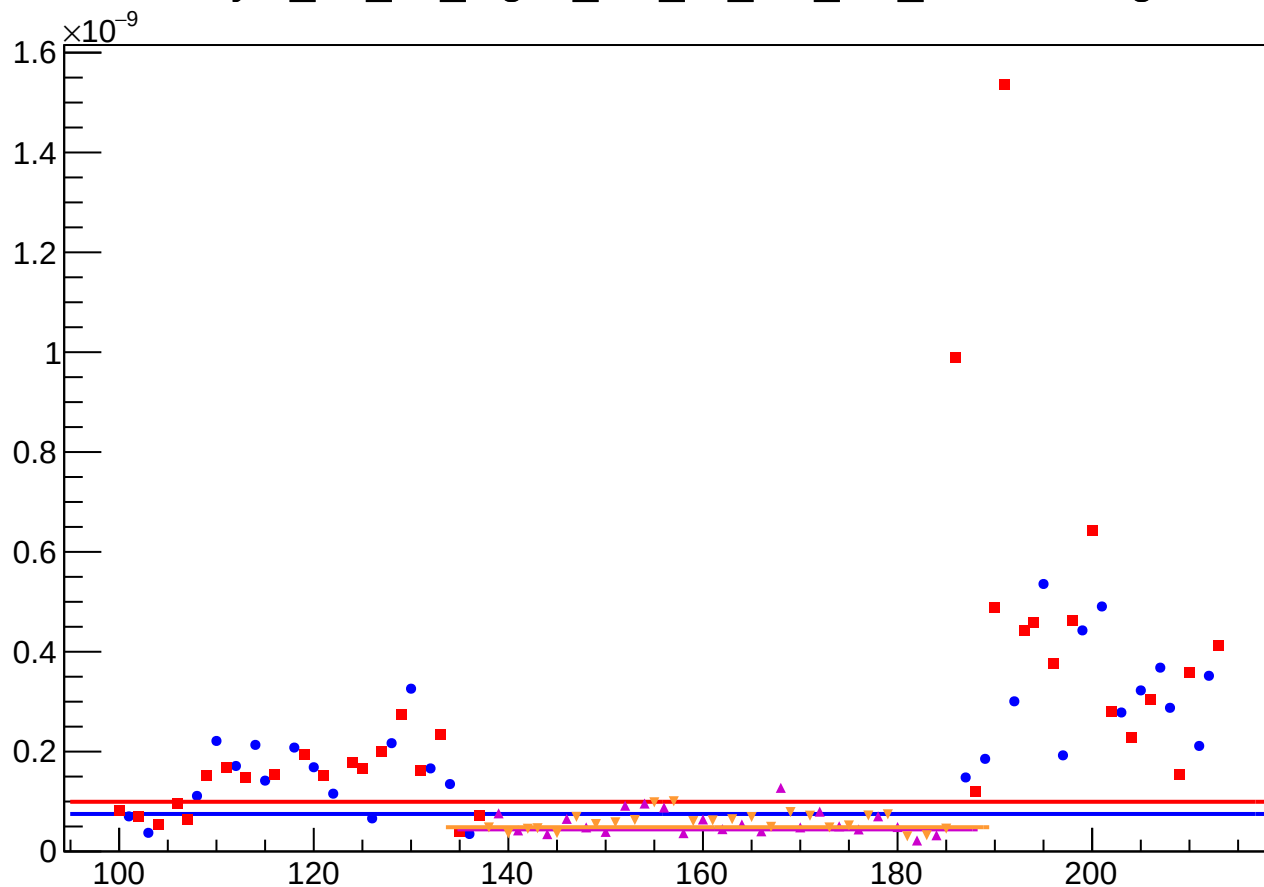
Left In: -0.000 ± 0.000 χ^2/NDF : 21.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.1/53

All: -0.000 ± 0.000 χ^2/NDF : 116.0/110

- sign -0.000 ± 0.000 χ^2/NDF : 58.6/56

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10543208.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9621088.8/33

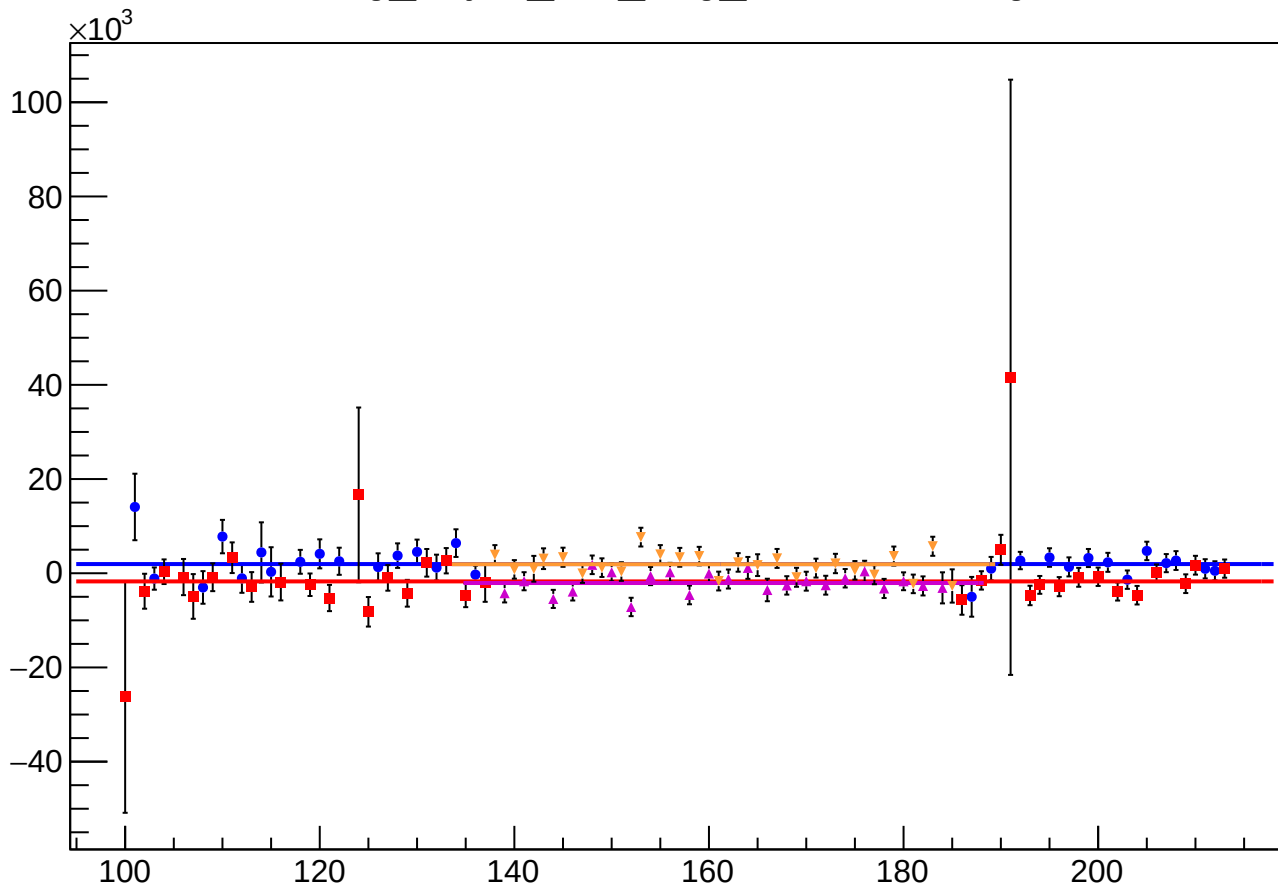
Left In: 0.000+/-0.000 χ^2/NDF : 3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 14083460.8/53

All: 0.000+/-0.000 χ^2/NDF : 30916469.9/110

- sign 0.000+/-0.000 χ^2/NDF : 16804735.7/56

reg_asym_at1_avg_mean vs Slug



Right In: 1949.339 ± 451.511 χ^2/NDF : 26.4/28

Left Out: 1920.623 ± 412.915 χ^2/NDF : 32.5/24

Right Out: -1731.516 ± 439.389 χ^2/NDF : 37.5/33

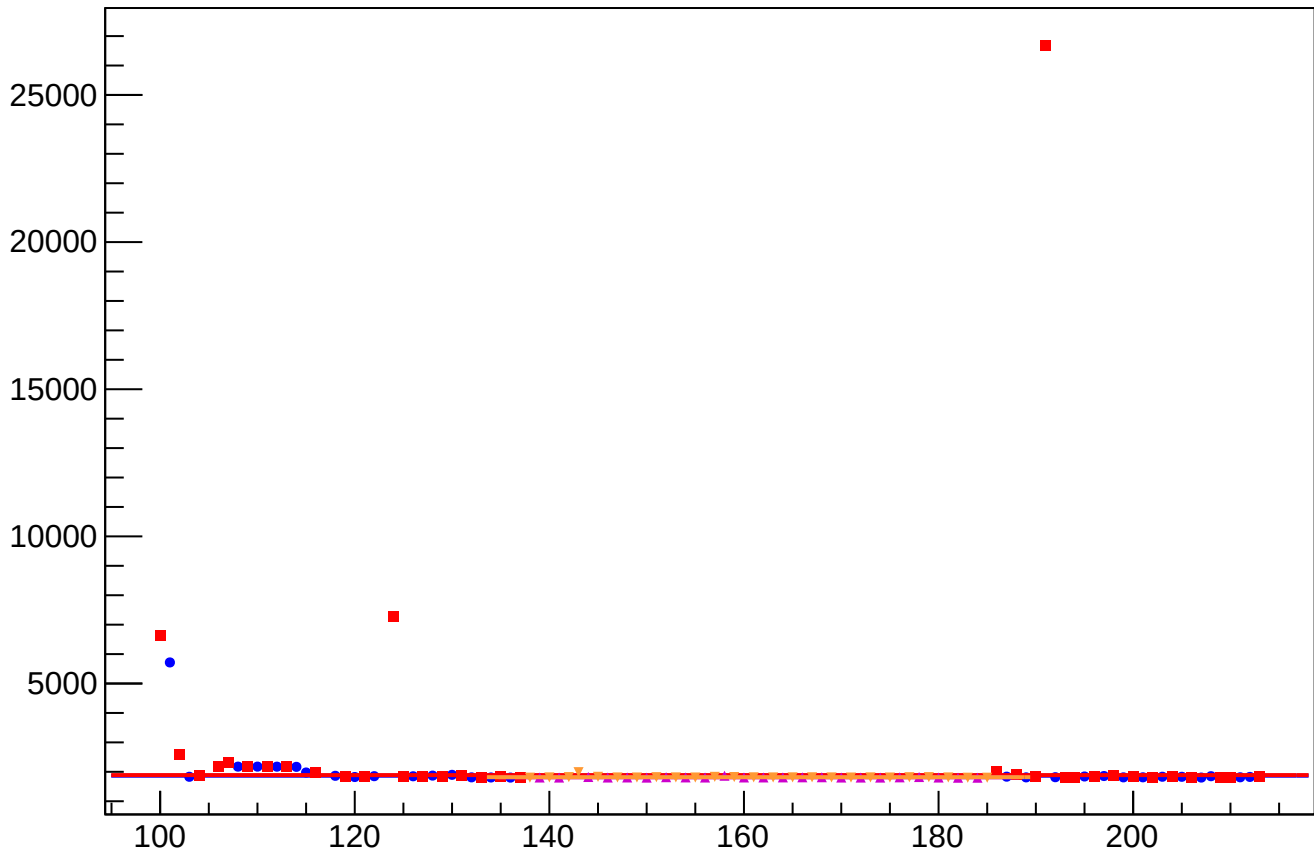
Left In: -2074.205 ± 423.203 χ^2/NDF : 26.5/22

+ sign 1933.702 ± 304.708 χ^2/NDF : 58.9/53

All: 12.859 ± 215.497 χ^2/NDF : 202.7/110

- sign -1909.289 ± 304.811 χ^2/NDF : 64.3/56

reg_asym_at1_avg_rms vs Slug



Right In: 1867.929 $\pm$ 0.319 χ^2 /NDF: 668065.8/28

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1887.988 $\pm$ 0.311 χ^2 /NDF: 741337.7/33

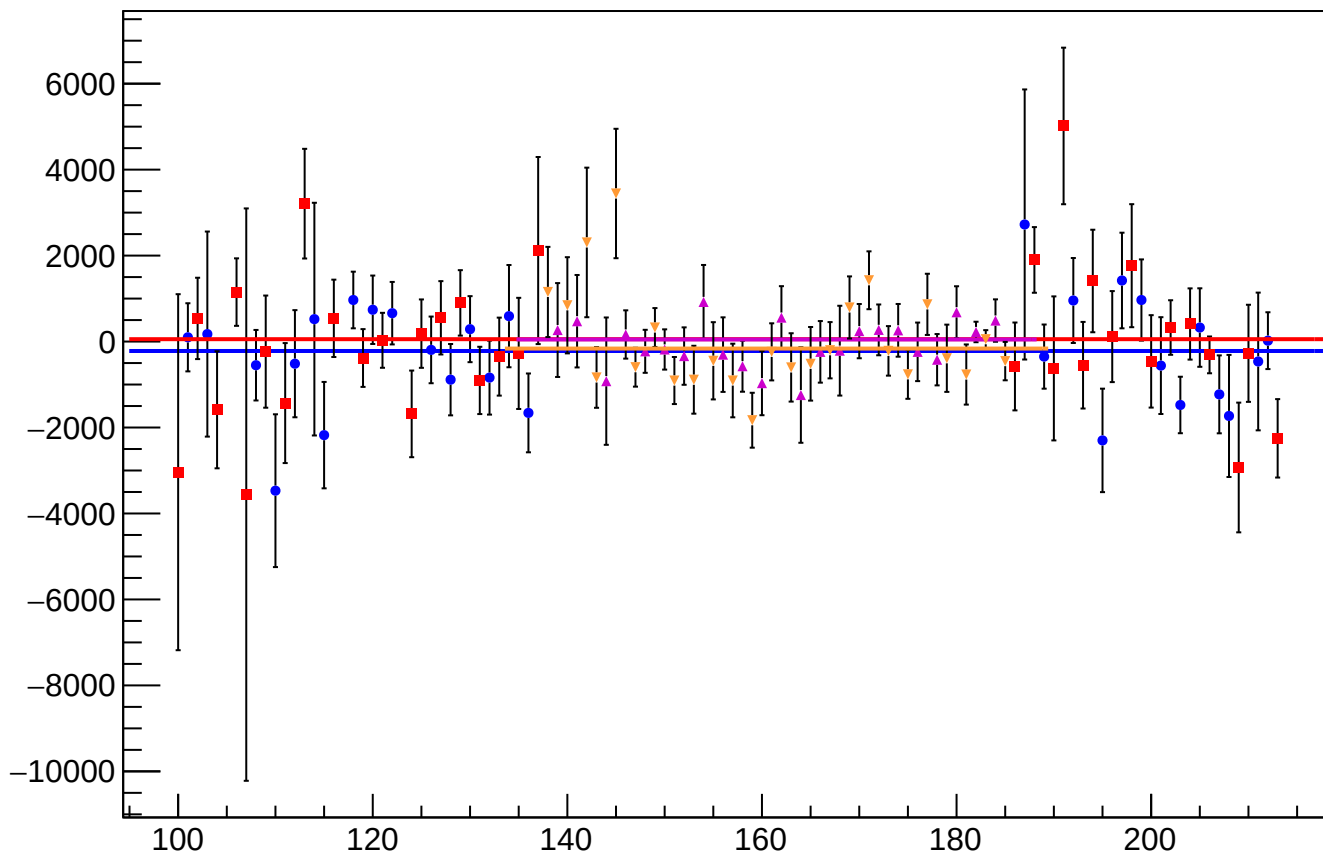
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1840.480 $\pm$ 0.215 χ^2 /NDF: 694594.2/53

All: 1844.664 $\pm$ 0.152 χ^2 /NDF: 1469286.6/11

- sign 1848.851 $\pm$ 0.216 χ^2 /NDF: 773937.9/56

asym_at1_avg_reg_correction_mean vs Slug



Right In: -219.487 ± 173.906 χ^2/NDF : 32.7/28

Left Out: -162.996 ± 115.295 χ^2/NDF : 36.8/24

Right Out: 55.412 ± 159.369 χ^2/NDF : 48.4/33

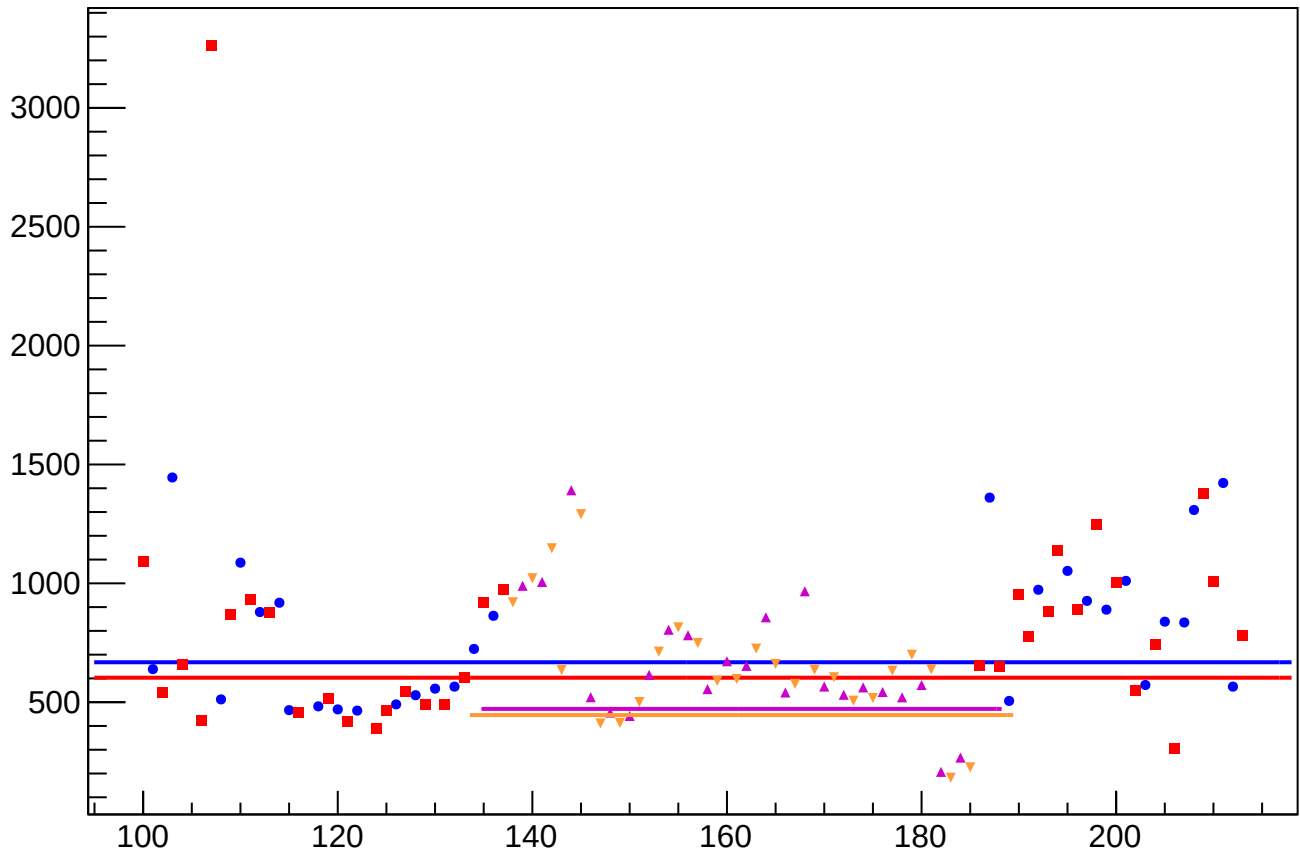
Left In: 49.290 ± 122.691 χ^2/NDF : 11.3/22

+ sign -180.244 ± 96.095 χ^2/NDF : 69.6/53

All: -65.686 ± 68.343 χ^2/NDF : 132.2/110

- sign 51.568 ± 97.219 χ^2/NDF : 59.7/56

asym_at1_avg_reg_correction_rms vs Slug



Right In: 668.003 ± 0.123 $\chi^2/\text{NDF}: 3358697.5/28$

Left Out: 445.893 ± 0.082 $\chi^2/\text{NDF}: 7982455.6/24$

Right Out: 602.976 ± 0.113 $\chi^2/\text{NDF}: 4812403.0/33$

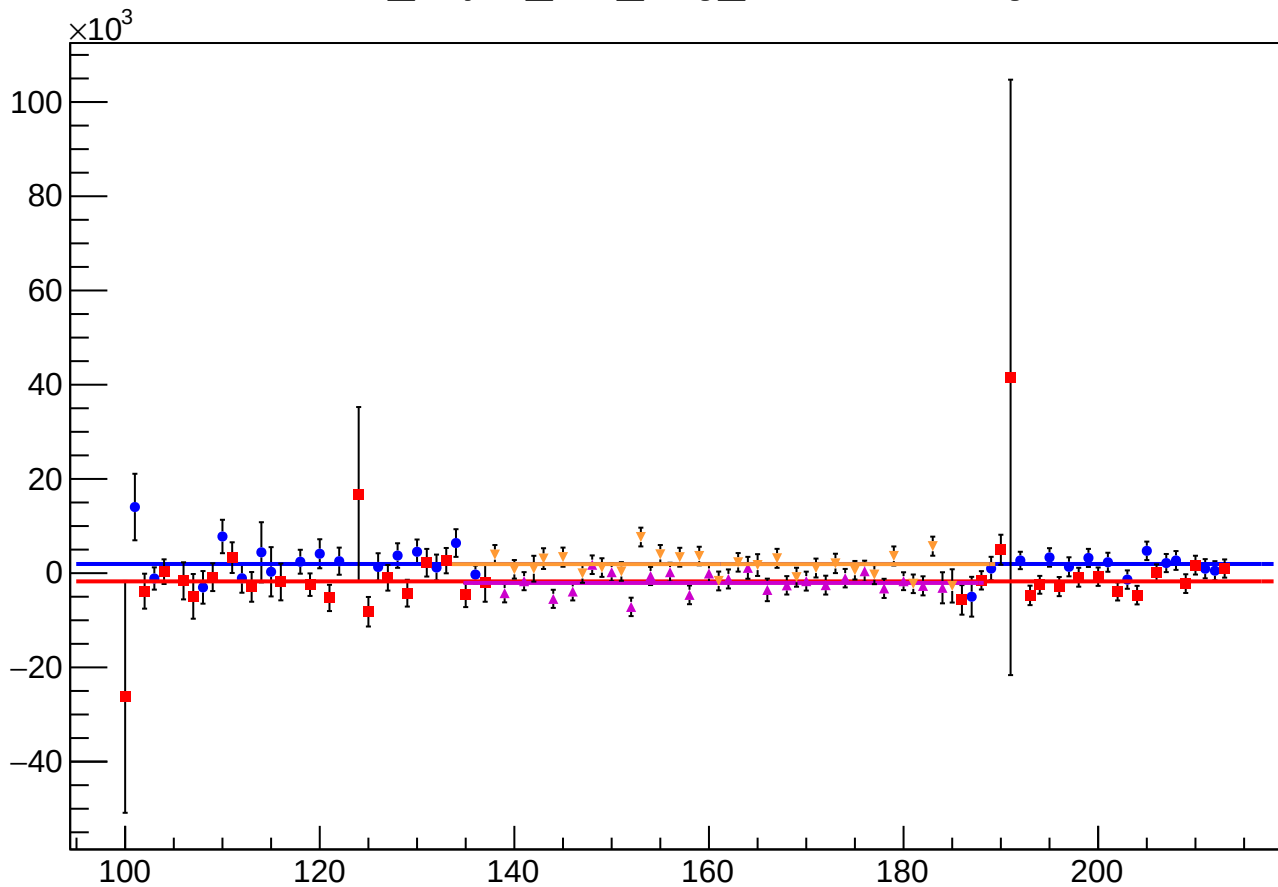
Left In: 471.746 ± 0.087 $\chi^2/\text{NDF}: 6413905.5/22$

+ sign 513.710 ± 0.068 $\chi^2/\text{NDF}: 13607439.5/53$

All: 517.105 ± 0.048 $\chi^2/\text{NDF}: 25690252.6/1$

- sign 520.580 ± 0.069 $\chi^2/\text{NDF}: 12077762.0/56$

cor_asym_at1_avg_mean vs Slug



Right In: 1949.254 ± 451.511 χ^2/NDF : 26.3/28

Left Out: 1920.588 ± 412.915 χ^2/NDF : 32.5/24

Right Out: -1742.441 ± 439.527 χ^2/NDF : 37.4/33

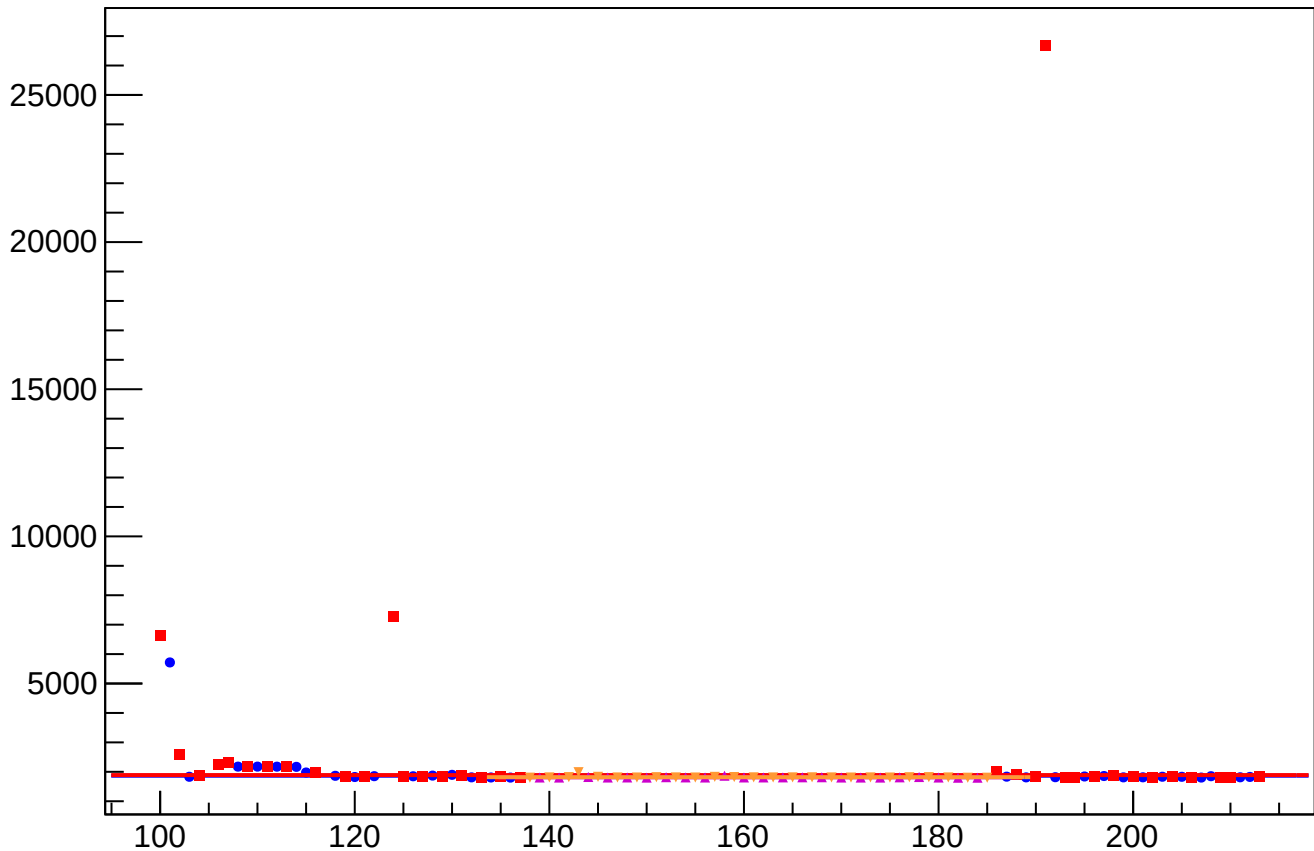
Left In: -2074.306 ± 423.203 χ^2/NDF : 26.5/22

+ sign 1933.643 ± 304.708 χ^2/NDF : 58.9/53

All: 10.440 ± 215.514 χ^2/NDF : 202.8/110

- sign -1914.650 ± 304.857 χ^2/NDF : 64.3/56

cor_asym_at1_avg_rms vs Slug



Right In: 1867.929 $\pm$ 0.319 χ^2 /NDF: 668065.8/28

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1888.431 $\pm$ 0.311 χ^2 /NDF: 745059.6/33

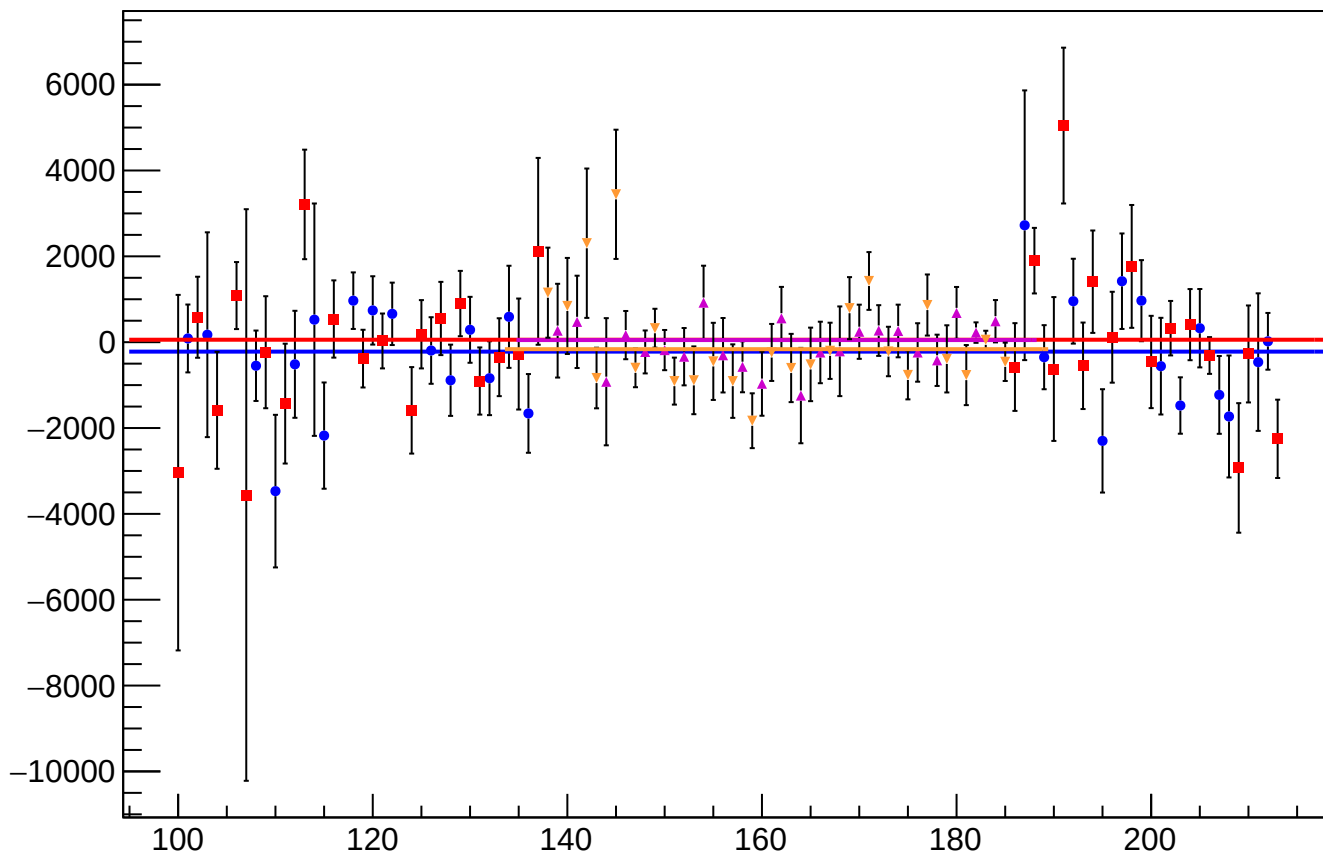
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1840.480 $\pm$ 0.215 χ^2 /NDF: 694594.1/53

All: 1844.764 $\pm$ 0.152 χ^2 /NDF: 1473394.6/11

- sign 1849.052 $\pm$ 0.216 χ^2 /NDF: 778009.5/56

asym_at1_avg_cor_correction_mean vs Slug



Right In: -219.954 ± 173.885 χ^2/NDF : 32.7/28

Left Out: -162.911 ± 115.291 χ^2/NDF : 36.9/24

Right Out: 57.198 ± 159.312 χ^2/NDF : 48.0/33

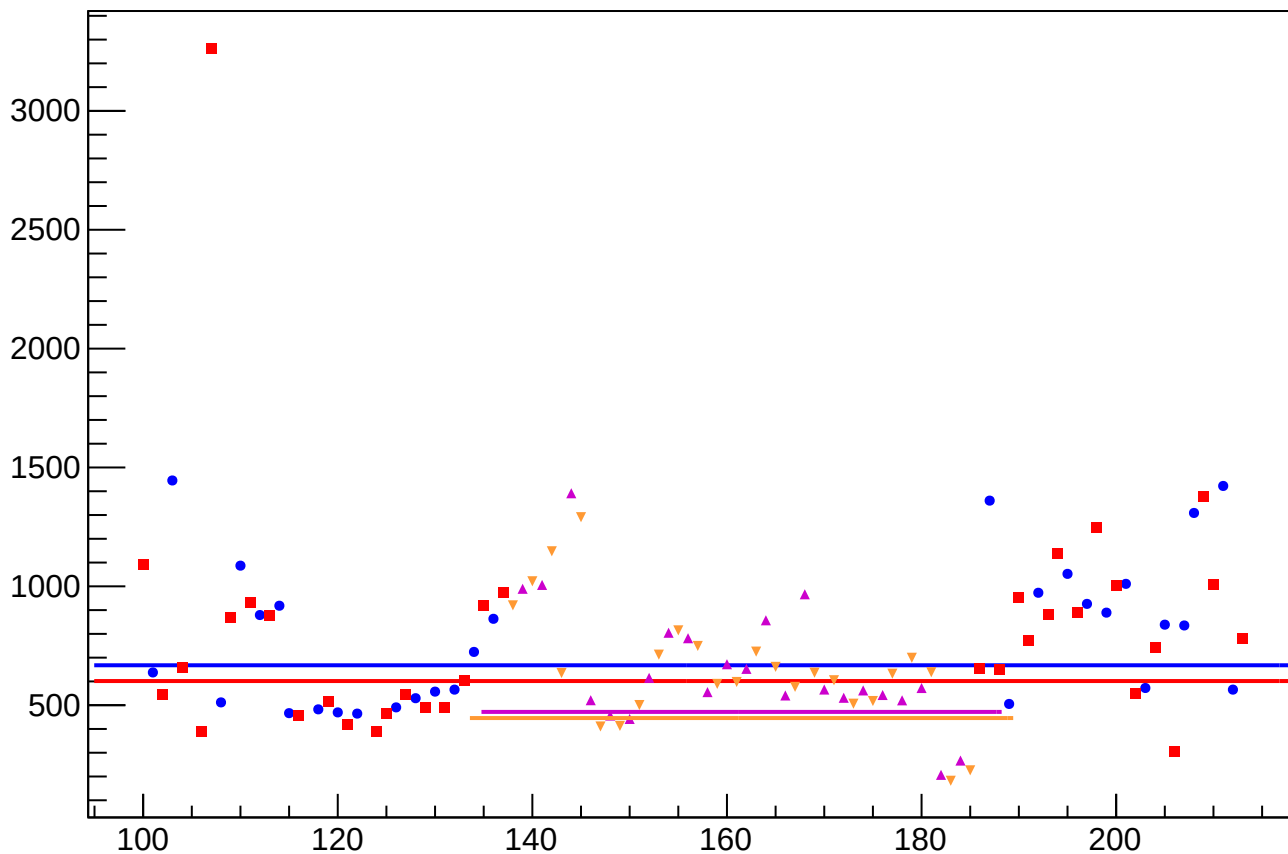
Left In: 49.310 ± 122.694 χ^2/NDF : 11.3/22

+ sign -180.330 ± 96.089 χ^2/NDF : 69.6/53

All: -65.387 ± 68.337 χ^2/NDF : 131.9/110

- sign 52.246 ± 97.207 χ^2/NDF : 59.4/56

asym_at1_avg_cor_correction_rms vs Slug



Right In: 667.930 $\pm$ 0.123 χ^2 /NDF: 3359043.2/28

Left Out: 445.867 $\pm$ 0.082 χ^2 /NDF: 7983869.6/24

Right Out: 601.576 $\pm$ 0.113 χ^2 /NDF: 4856251.7/33

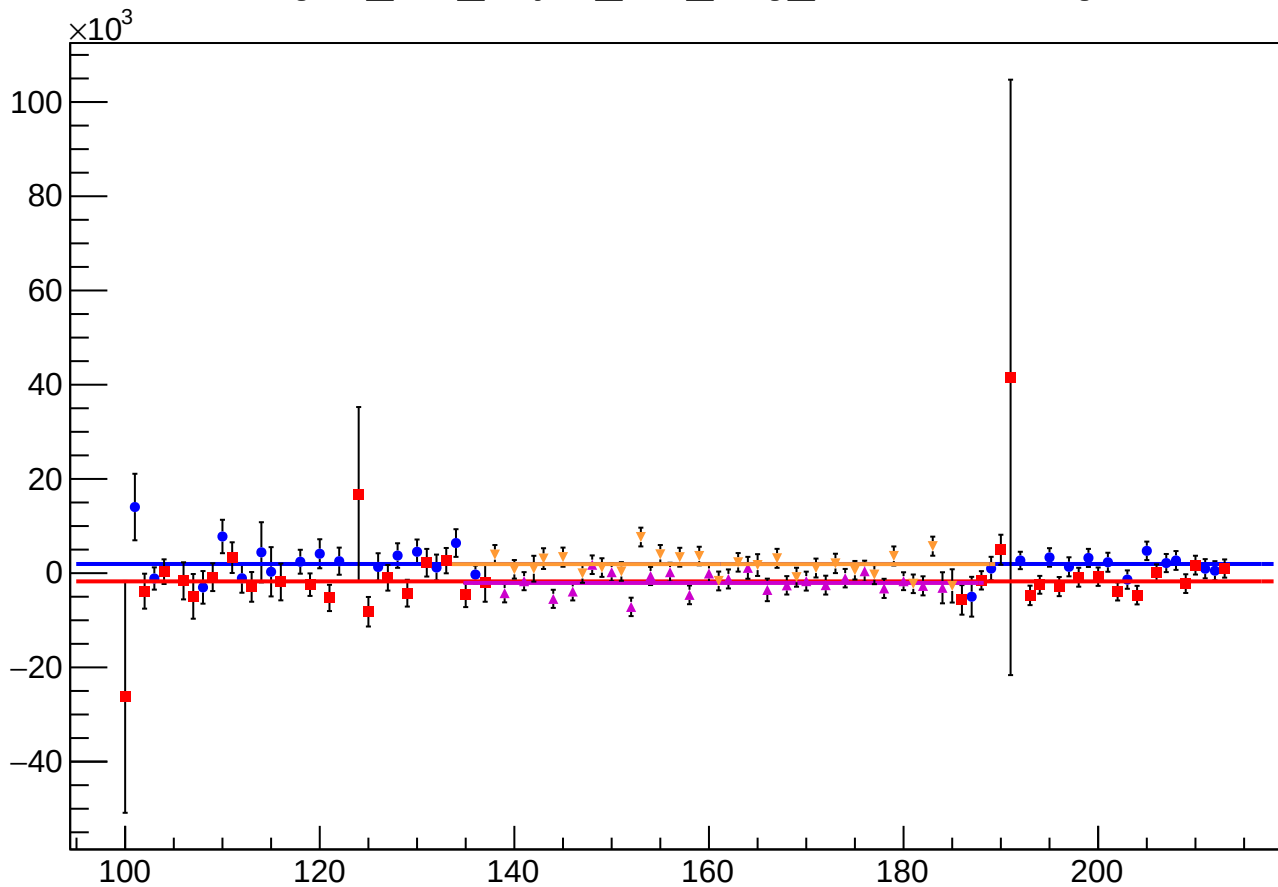
Left In: 471.757 $\pm$ 0.087 χ^2 /NDF: 6413685.0/22

+ sign 513.678 $\pm$ 0.068 χ^2 /NDF: 13608667.3/53

All: 516.847 $\pm$ 0.048 χ^2 /NDF: 25716606.2/11

- sign 520.089 $\pm$ 0.069 χ^2 /NDF: 12103538.7/56

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1949.254 ± 451.511 $\chi^2/\text{NDF}: 26.3/28$

Left Out: 1920.588 ± 412.915 $\chi^2/\text{NDF}: 32.5/24$

Right Out: -1742.441 ± 439.527 $\chi^2/\text{NDF}: 37.4/33$

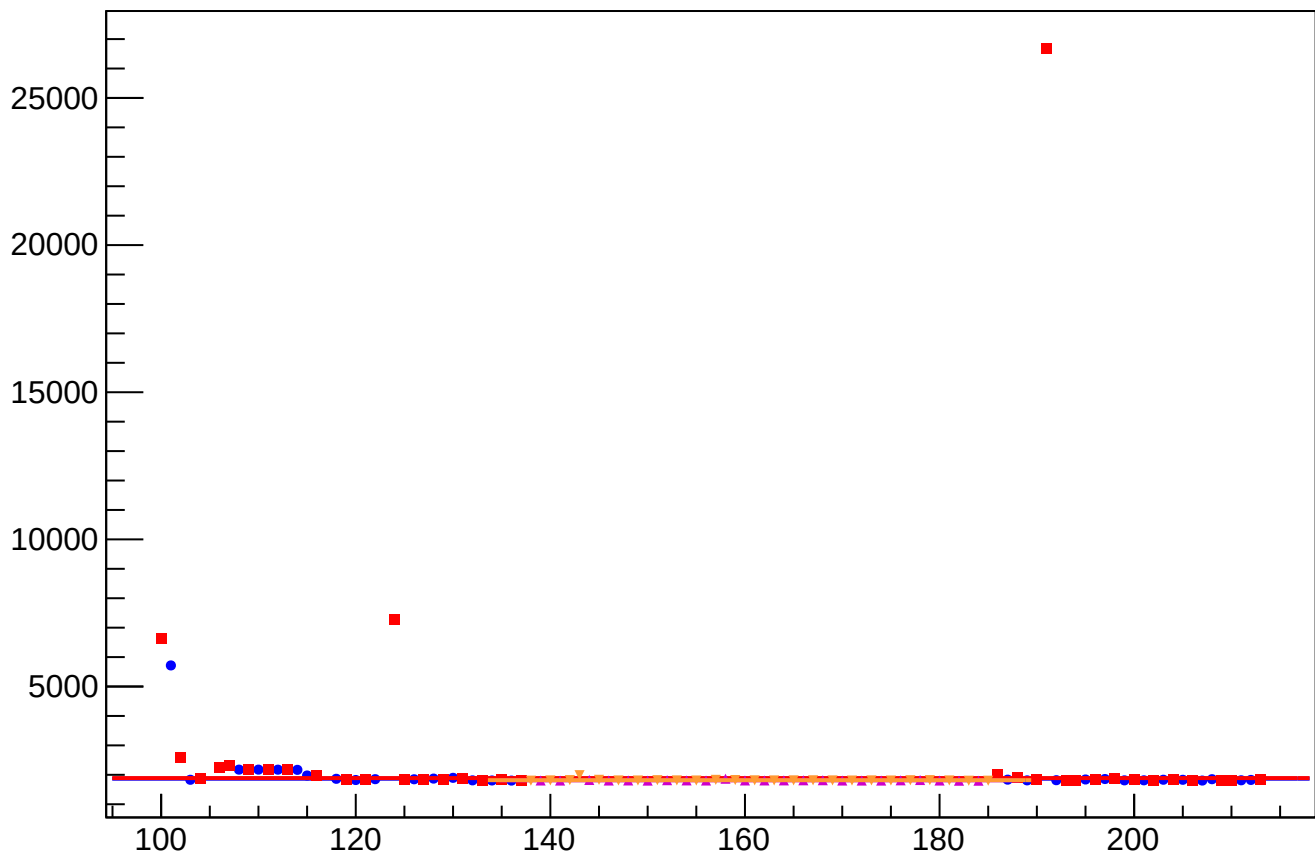
Left In: -2074.306 ± 423.203 $\chi^2/\text{NDF}: 26.5/22$

+ sign 1933.643 ± 304.708 $\chi^2/\text{NDF}: 58.9/53$

All: 10.440 ± 215.514 $\chi^2/\text{NDF}: 202.8/110$

- sign -1914.650 ± 304.857 $\chi^2/\text{NDF}: 64.3/56$

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1867.929 $\pm$ 0.319 χ^2 /NDF: 668065.8/28

Left Out: 1817.524 $\pm$ 0.292 χ^2 /NDF: 12955.2/24

Right Out: 1888.431 $\pm$ 0.311 χ^2 /NDF: 745059.6/33

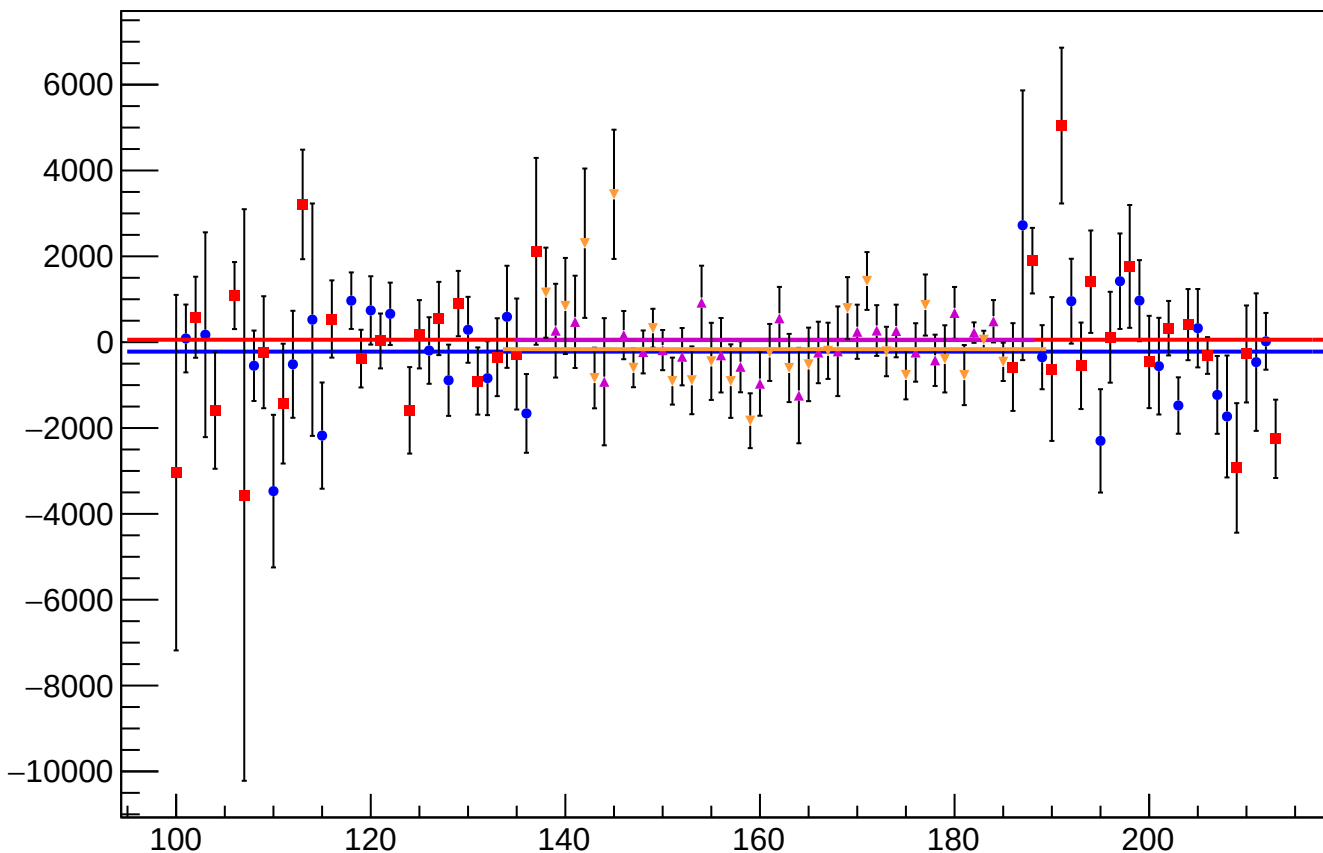
Left In: 1812.545 $\pm$ 0.299 χ^2 /NDF: 2013.0/22

+ sign 1840.480 $\pm$ 0.215 χ^2 /NDF: 694594.1/53

All: 1844.764 $\pm$ 0.152 χ^2 /NDF: 1473394.6/11

- sign 1849.052 $\pm$ 0.216 χ^2 /NDF: 778009.5/56

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -219.954+/-173.885 χ^2/NDF : 32.7/28

Left Out: -162.911+/-115.291 χ^2/NDF : 36.9/24

Right Out: 57.198+/-159.312 χ^2/NDF : 48.0/33

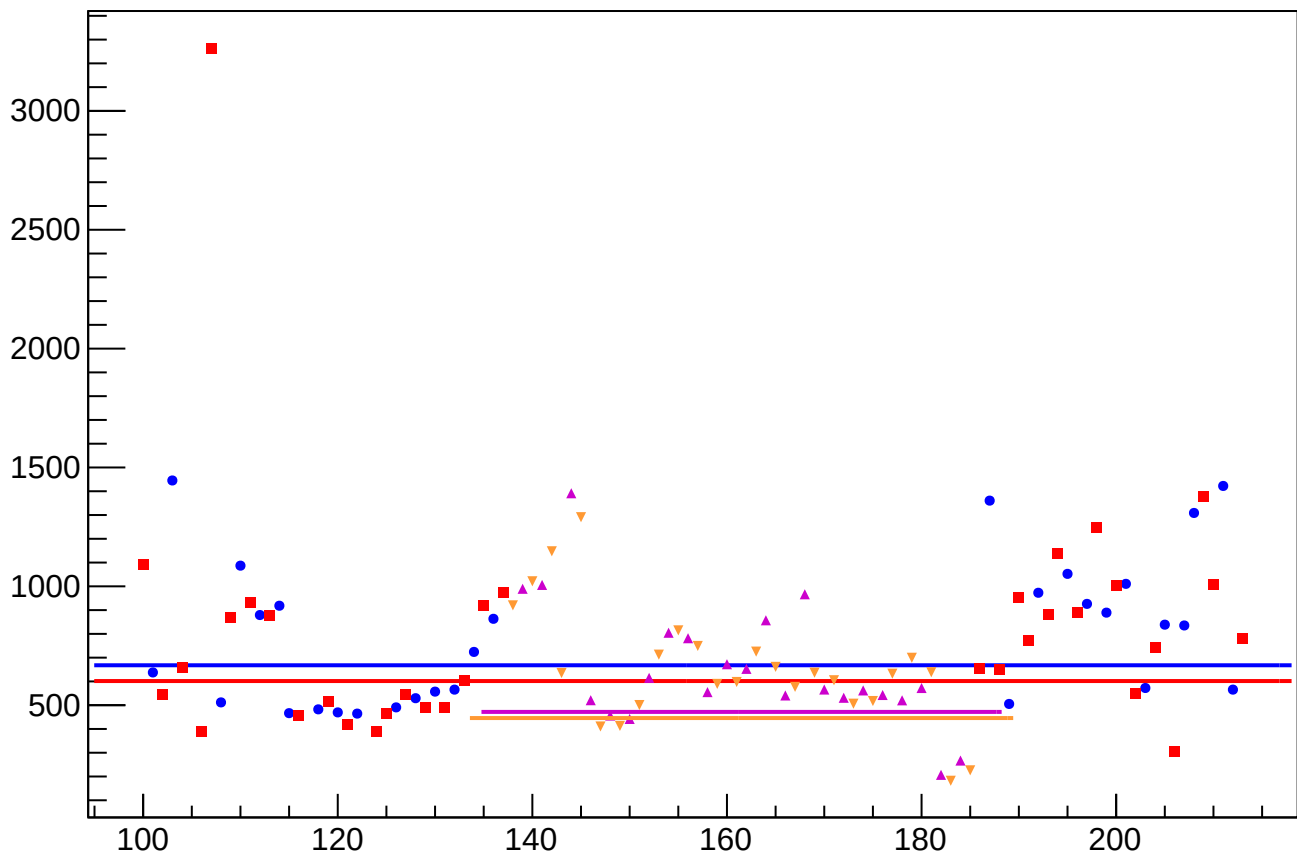
Left In: 49.310+/-122.694 χ^2/NDF : 11.3/22

+ sign -180.330+/-96.089 χ^2/NDF : 69.6/53

All: -65.387+/-68.337 χ^2/NDF : 131.9/110

- sign 52.246+/-97.207 χ^2/NDF : 59.4/56

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 667.930 $\pm$ 0.123 χ^2 /NDF: 3359043.2/28

Left Out: 445.867 $\pm$ 0.082 χ^2 /NDF: 7983869.6/24

Right Out: 601.576 $\pm$ 0.113 χ^2 /NDF: 4856251.7/33

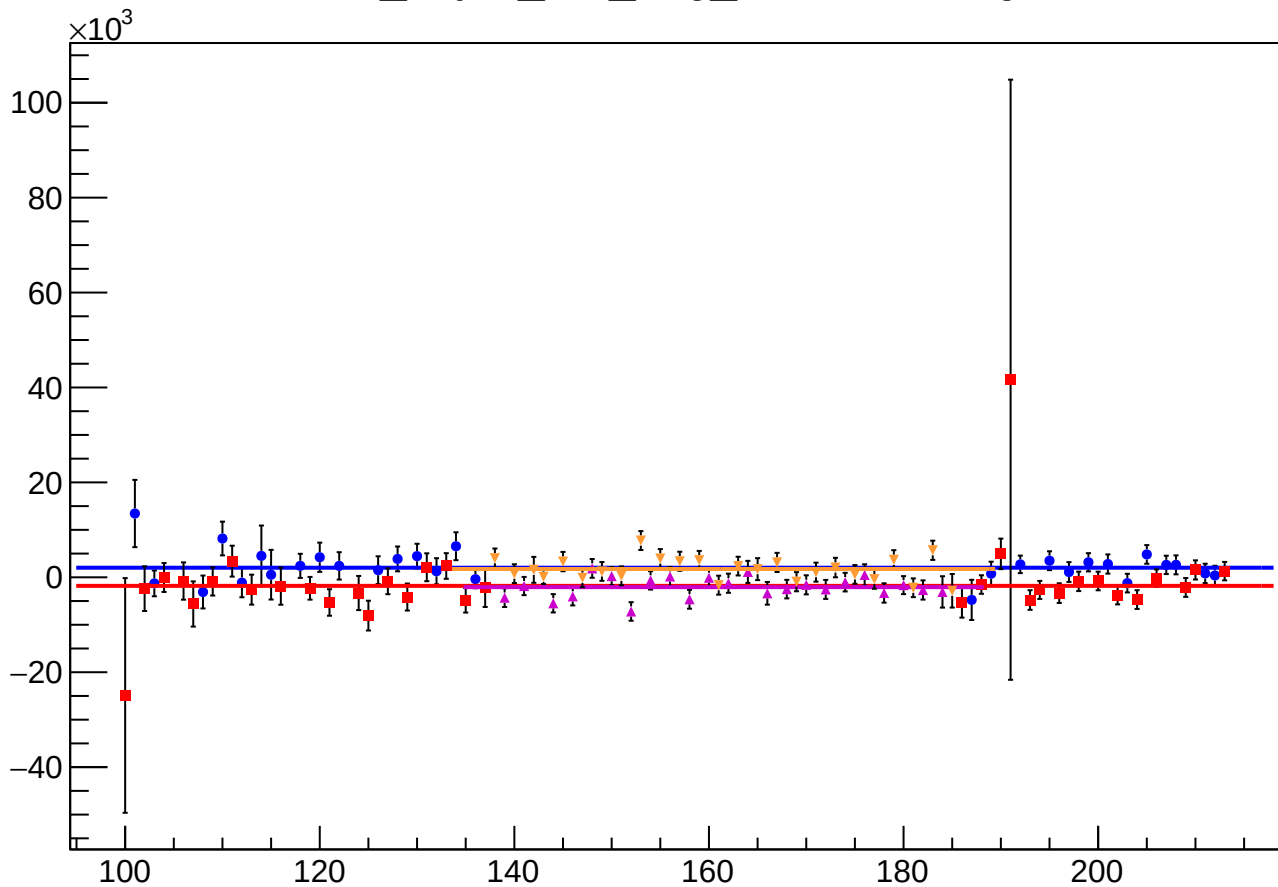
Left In: 471.757 $\pm$ 0.087 χ^2 /NDF: 6413685.0/22

+ sign 513.678 $\pm$ 0.068 χ^2 /NDF: 13608667.3/53

All: 516.847 $\pm$ 0.048 χ^2 /NDF: 25716606.2/11

- sign 520.089 $\pm$ 0.069 χ^2 /NDF: 12103538.7/56

dit_asym_at1_avg_mean vs Slug



Right In: 2021.905 $\pm$ 455.826 χ^2 /NDF: 26.7/28

Left Out: 1755.493 $\pm$ 405.401 χ^2 /NDF:33.8/24

Right Out: -1802.102 $\pm$ 441.891 χ^2 /NDF: 35.6/33

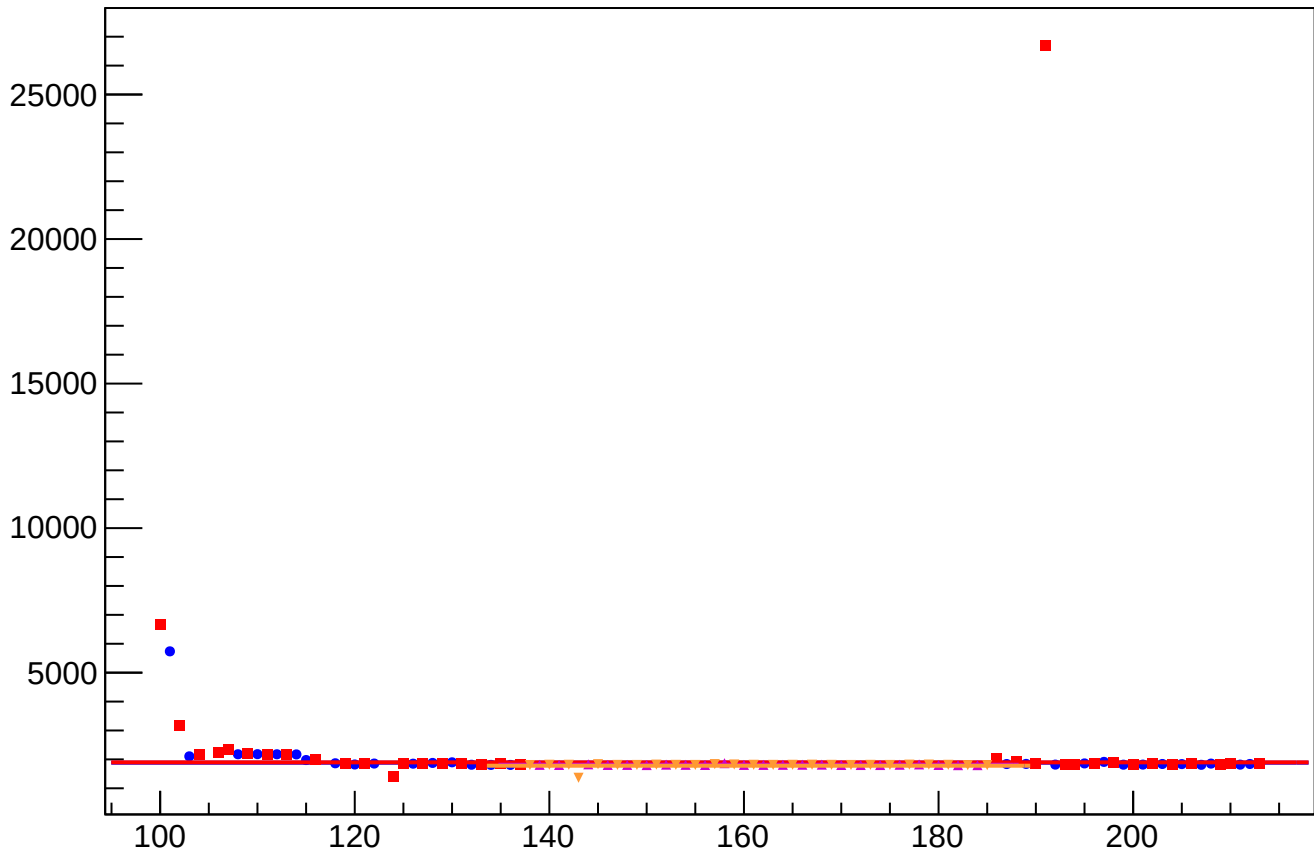
Left In: -2073.441 $\pm$ 423.648 χ^2 /NDF:27.0/22

+ sign 1873.154 $\pm$ 302.927 χ^2 /NDF: 60.6/53

All: -17.091 $\pm$ 215.214 χ^2 /NDF: 202.0/110

- sign -1943.488 $\pm$ 305.810 χ^2 /NDF: 62.8/56

dit_asym_at1_avg_rms vs Slug



Right In: 1885.238+/-0.322 χ^2/NDF : 679415.9/28

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1897.302+/-0.312 χ^2/NDF : 698137.1/33

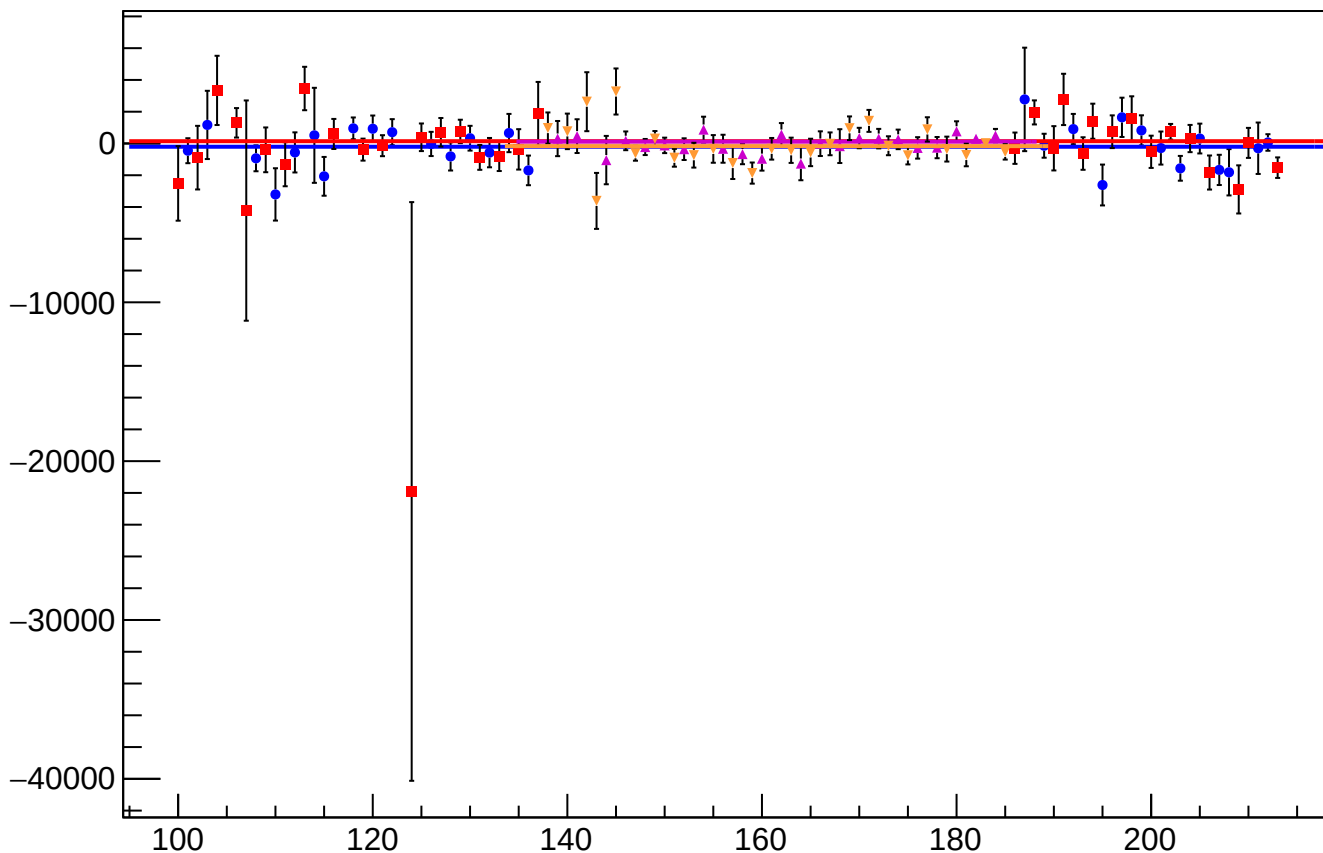
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1826.988+/-0.214 χ^2/NDF : 902847.3/53

All: 1840.427+/-0.152 χ^2/NDF : 1647675.3/11

- sign 1854.122+/-0.216 χ^2/NDF : 736880.8/56

asym_at1_avg_dit_correction_mean vs Slug



Right In: -205.810 ± 175.447 χ^2/NDF : 33.6/28

Left Out: -167.909 ± 121.628 χ^2/NDF : 38.3/24

Right Out: 143.093 ± 168.795 χ^2/NDF : 48.0/33

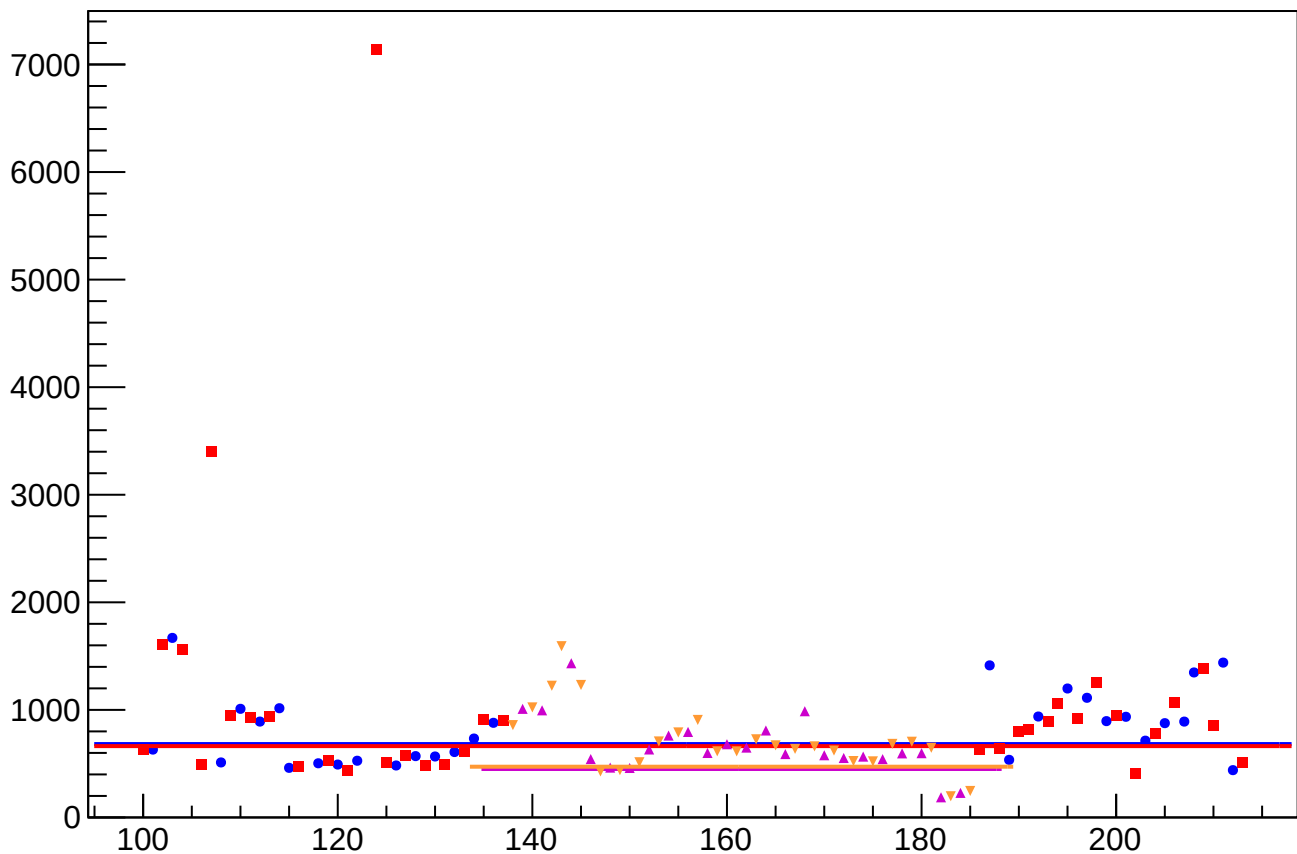
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -180.211 ± 99.958 χ^2/NDF : 71.9/53

All: -23.639 ± 69.862 χ^2/NDF : 137.0/110

- sign 125.878 ± 97.680 χ^2/NDF : 60.3/56

asym_at1_avg_dit_correction_rms vs Slug



Right In: 682.216 ± 0.124 $\chi^2/\text{NDF}: 3951964.0/28$

Left Out: 471.777 ± 0.086 $\chi^2/\text{NDF}: 8112666.9/24$

Right Out: 663.192 ± 0.119 $\chi^2/\text{NDF}: 4999310.5/33$

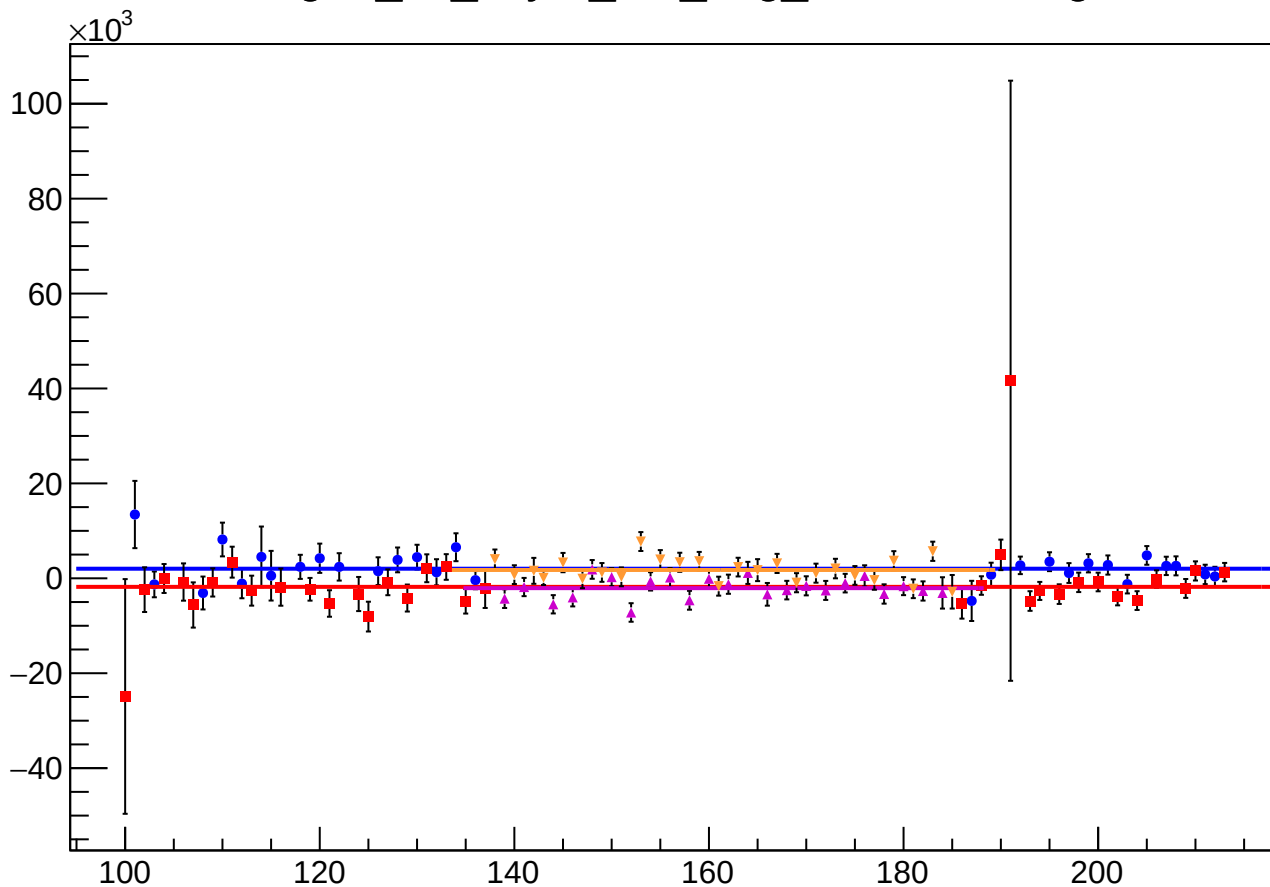
Left In: 450.652 ± 0.085 $\chi^2/\text{NDF}: 7928332.5/22$

+ sign 540.084 ± 0.071 $\chi^2/\text{NDF}: 14007999.1/53$

All: 530.745 ± 0.049 $\chi^2/\text{NDF}: 29078846.1/11$

- sign 521.827 ± 0.069 $\chi^2/\text{NDF}: 15036717.3/56$

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2021.904 $\pm$ 455.826 χ^2 /NDF: 26.7/28

Left Out: 1755.493 $\pm$ 405.401 χ^2 /NDF: 33.8/24

Right Out: -1802.101 $\pm$ 441.891 χ^2 /NDF: 35.6/33

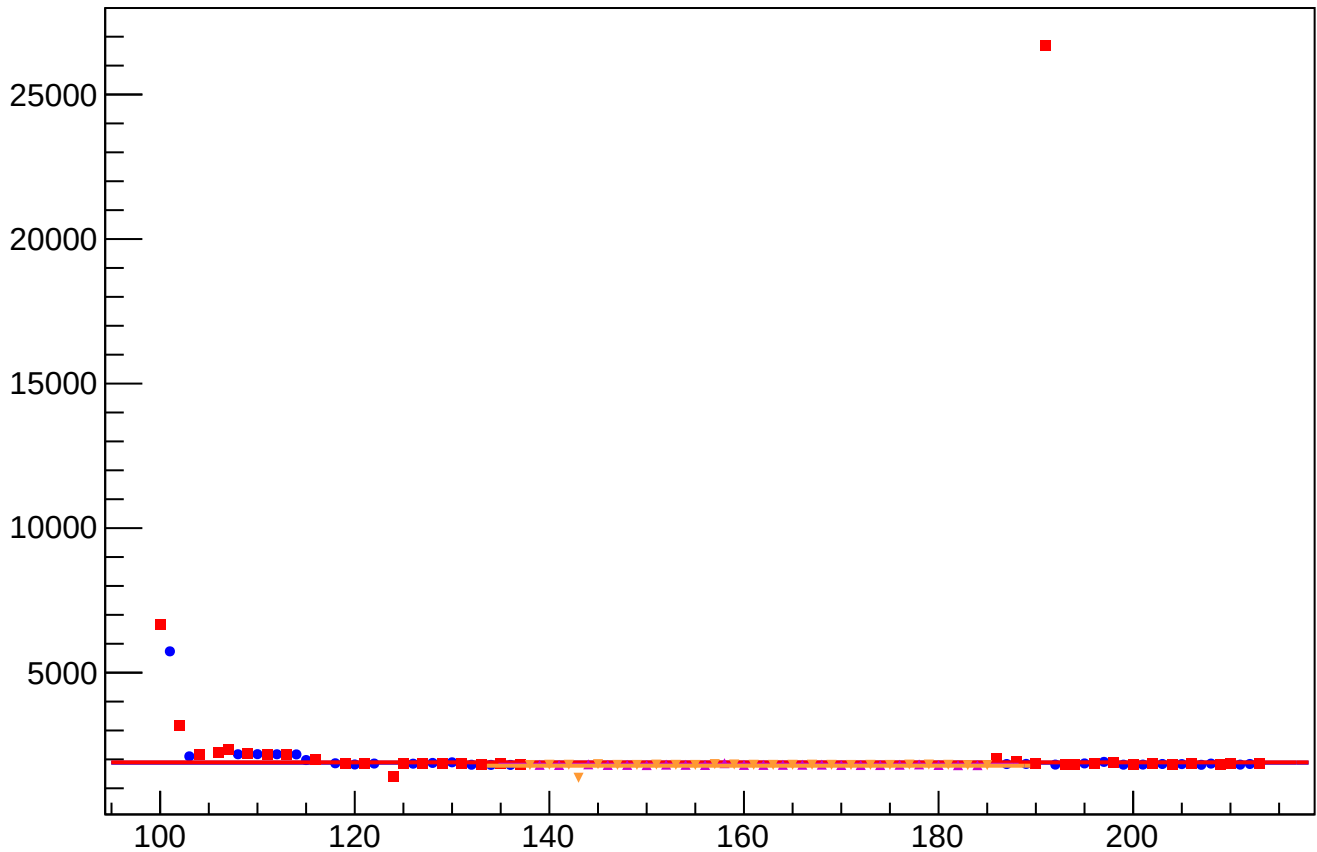
Left In: -2073.441 $\pm$ 423.648 χ^2 /NDF: 27.0/22

+ sign 1873.153 $\pm$ 302.927 χ^2 /NDF: 60.6/53

All: -17.091 $\pm$ 215.214 χ^2 /NDF: 202.0/110

- sign -1943.488 $\pm$ 305.810 χ^2 /NDF: 62.8/56

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1885.238+/-0.322 χ^2/NDF : 679415.5/28

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1897.302+/-0.312 χ^2/NDF : 698135.7/33

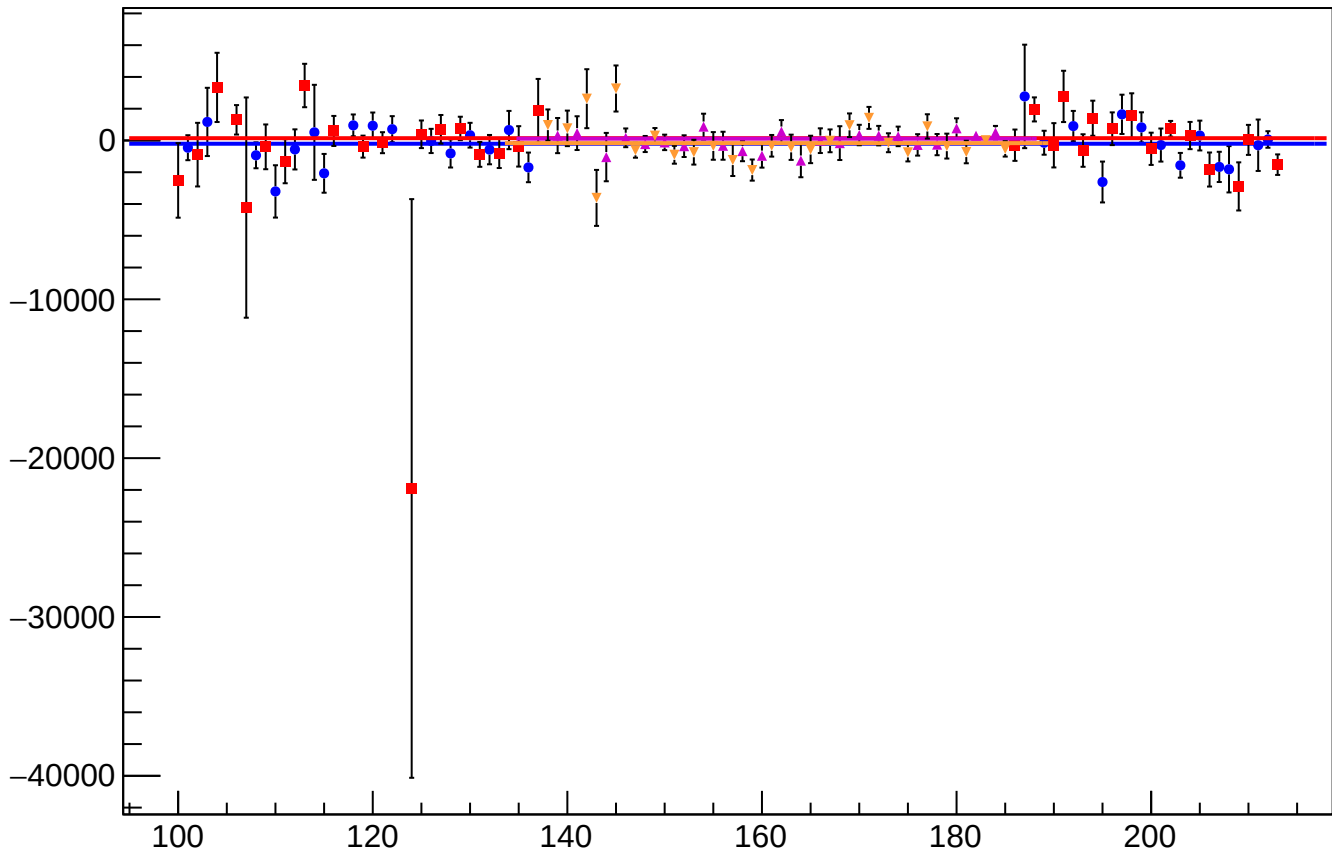
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1826.988+/-0.214 χ^2/NDF : 902846.8/53

All: 1840.427+/-0.152 χ^2/NDF : 1647673.2/11

- sign 1854.122+/-0.216 χ^2/NDF : 736879.3/56

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -205.810 ± 175.447 χ^2/NDF : 33.6/28

Left Out: -167.909 ± 121.629 χ^2/NDF : 38.3/24

Right Out: 143.093 ± 168.796 χ^2/NDF : 48.0/33

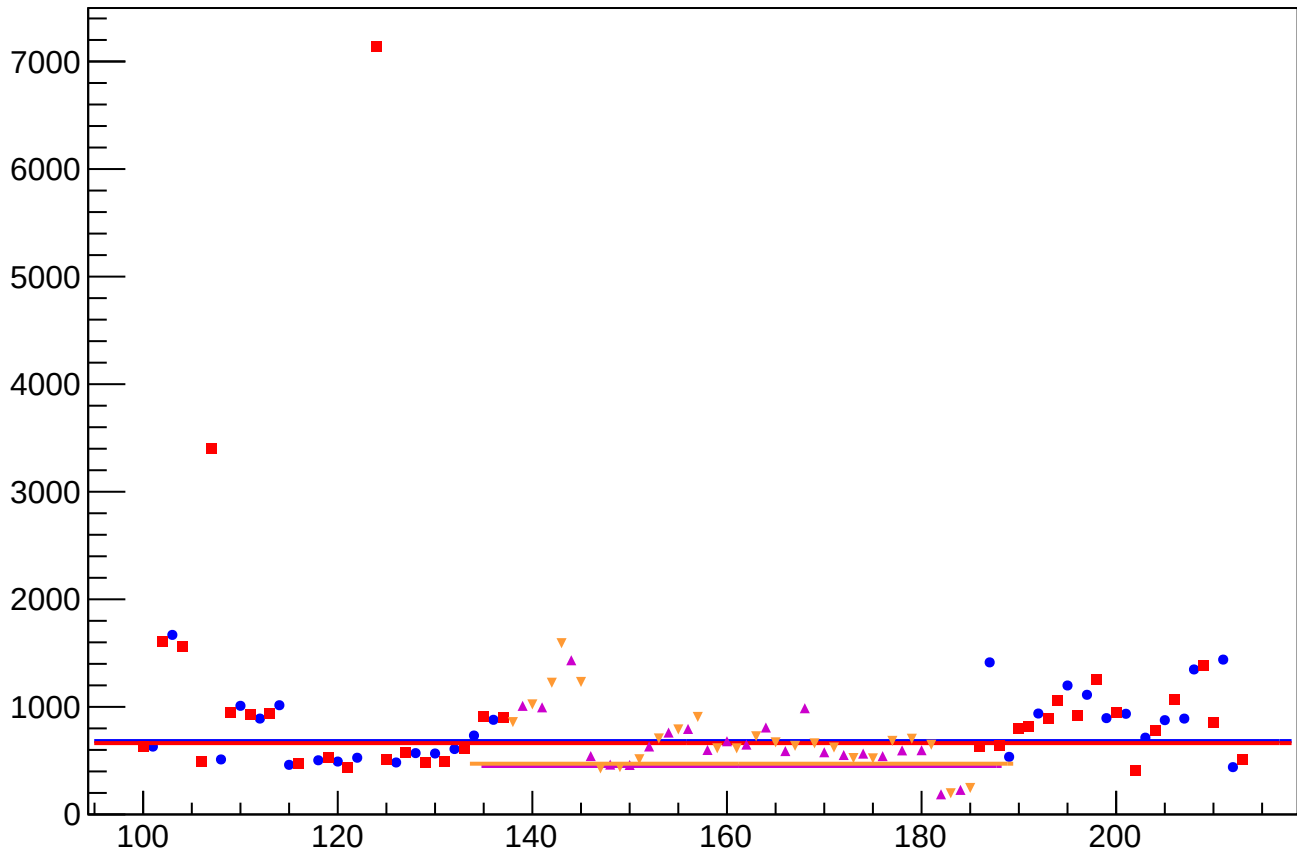
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -180.212 ± 99.958 χ^2/NDF : 71.9/53

All: -23.639 ± 69.862 χ^2/NDF : 137.0/110

- sign 125.878 ± 97.680 χ^2/NDF : 60.3/56

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 682.216+/-0.124 χ^2/NDF : 3951992.5/28

Left Out: 471.778+/-0.086 χ^2/NDF : 8112665.9/24

Right Out: 663.192+/-0.119 χ^2/NDF : 4999326.5/33

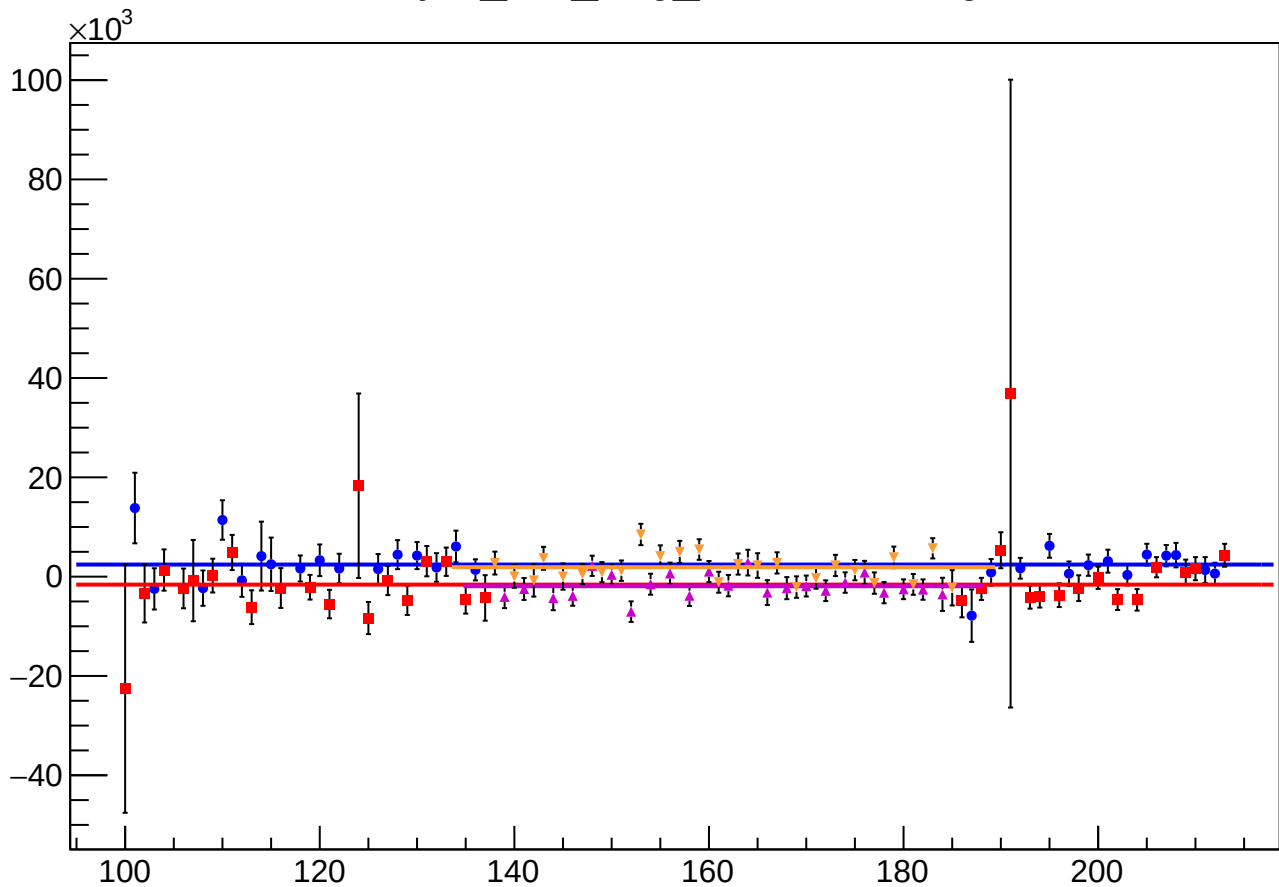
Left In: 450.653+/-0.085 χ^2/NDF : 7928317.5/22

+ sign 540.085+/-0.071 χ^2/NDF : 14008003.7/53

All: 530.746+/-0.049 χ^2/NDF : 29078829.9/11

- sign 521.828+/-0.069 χ^2/NDF : 15036697.7/56

asym_at1_avg_mean vs Slug



Right In: 2432.945 ± 510.204 χ^2/NDF : 26.0/28

Left Out: 1907.369 ± 443.523 χ^2/NDF : 36.3/24

Right Out: -1606.230 ± 500.824 χ^2/NDF : 47.1/33

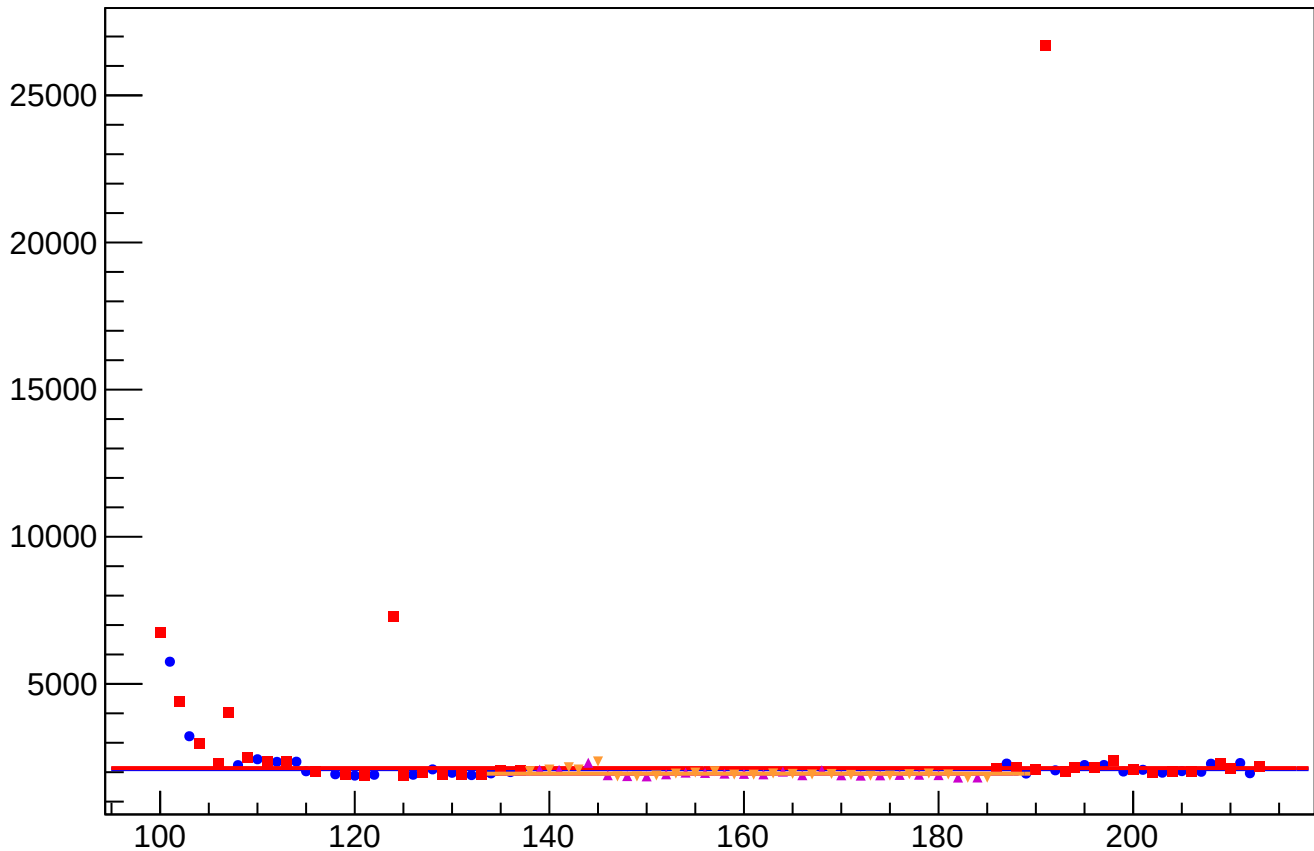
Left In: -1926.570 ± 454.880 χ^2/NDF : 24.8/22

+ sign 2133.589 ± 334.728 χ^2/NDF : 62.9/53

All: 187.542 ± 237.390 χ^2/NDF : 202.9/110

- sign -1781.765 ± 336.722 χ^2/NDF : 72.0/56

asym_at1_avg_rms vs Slug



Right In: 2103.544+/-0.361 χ^2/NDF : 830549.0/28

Left Out: 1949.001+/-0.314 χ^2/NDF : 108523.9/24

Right Out: 2139.497+/-0.354 χ^2/NDF : 1186924.5/33

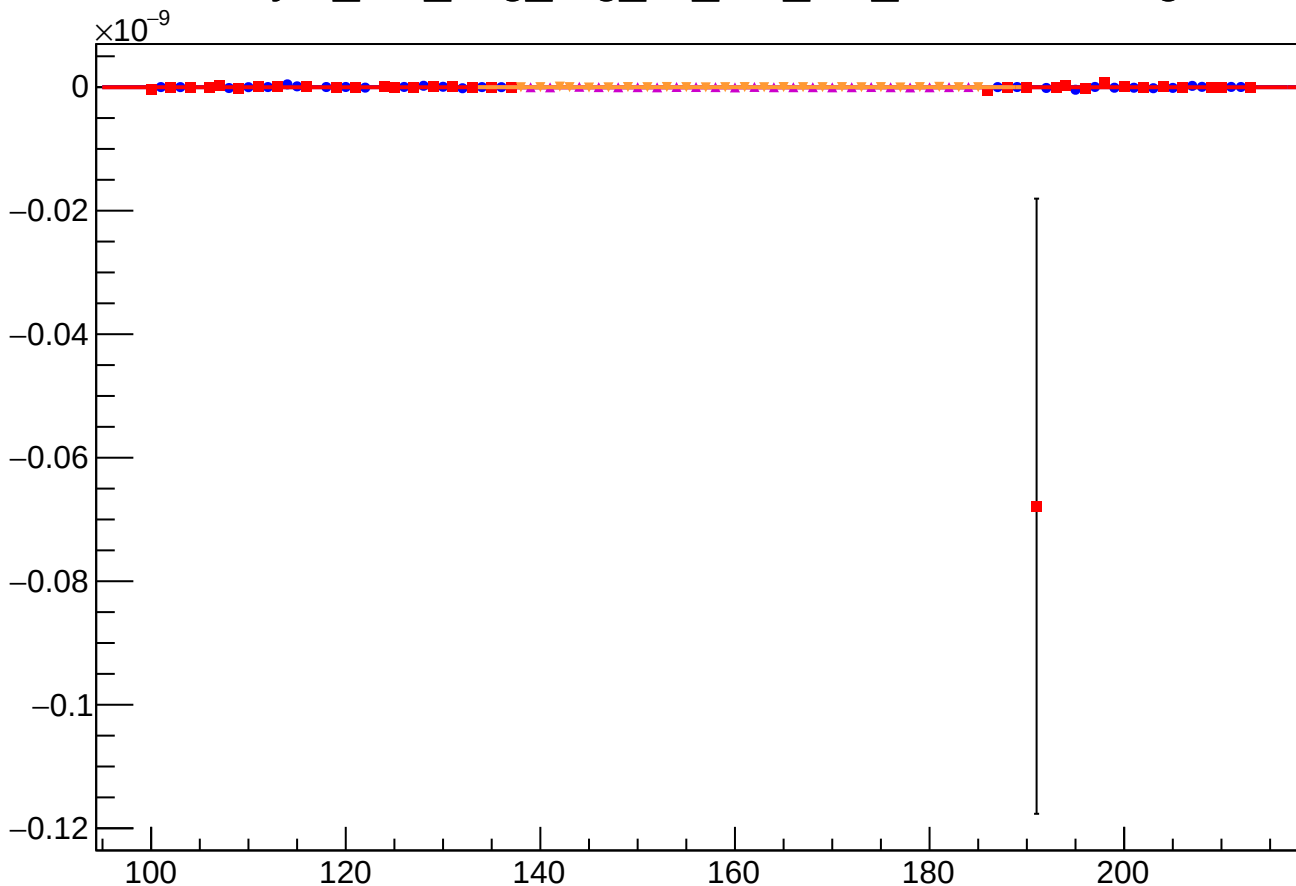
Left In: 1945.132+/-0.322 χ^2/NDF : 95954.5/22

+ sign 2015.520+/-0.237 χ^2/NDF : 1043591.3/53

All: 2024.204+/-0.168 χ^2/NDF : 2494240.9/11

- sign 2032.992+/-0.238 χ^2/NDF : 1447941.2/56

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 33.7/28

Left Out: 0.000+/-0.000 χ^2 /NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 30.9/33

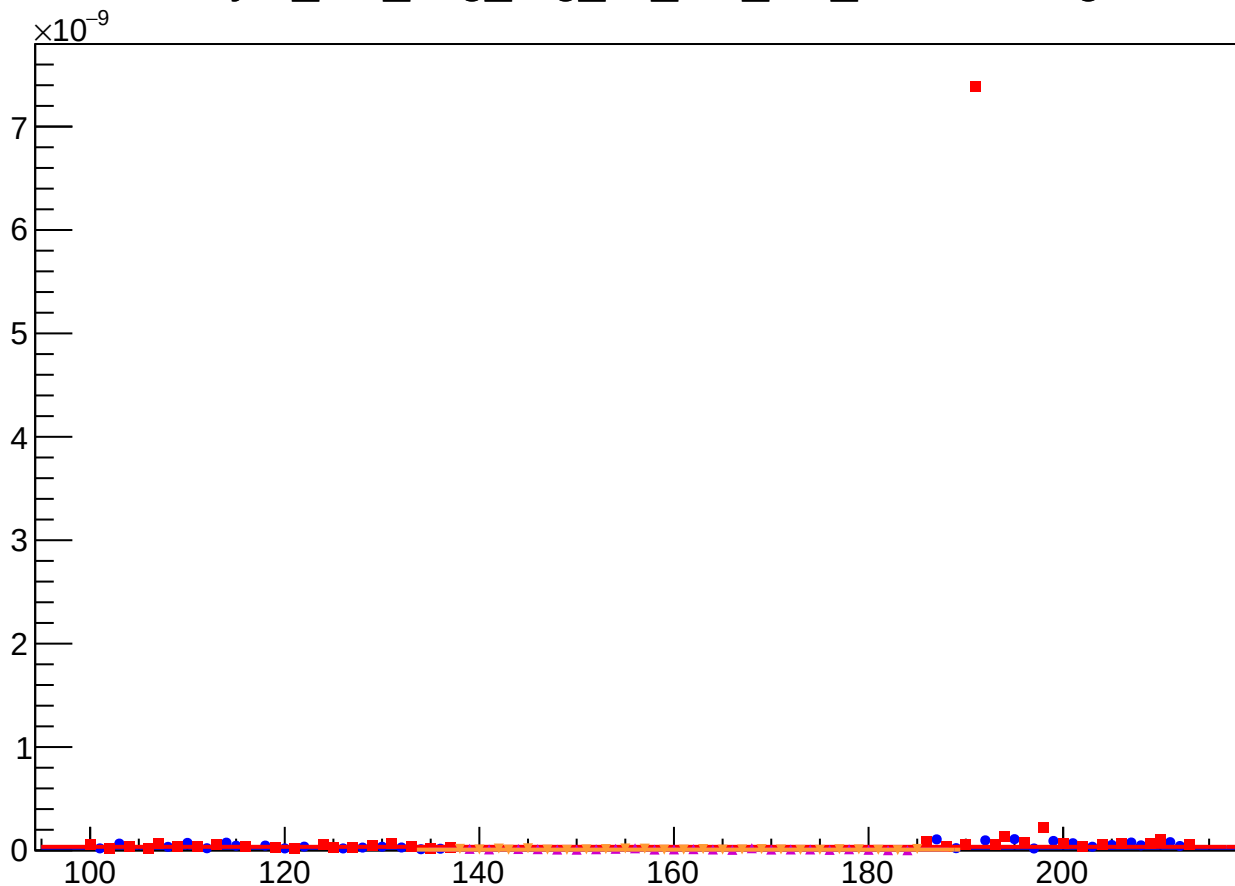
Left In: 0.000+/-0.000 χ^2 /NDF:31.1/22

+ sign 0.000+/-0.000 χ^2 /NDF: 62.6/53

All: 0.000+/-0.000 χ^2 /NDF: 126.2/110

- sign 0.000+/-0.000 χ^2 /NDF: 63.4/56

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3929434.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2160933.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3772138.5/33

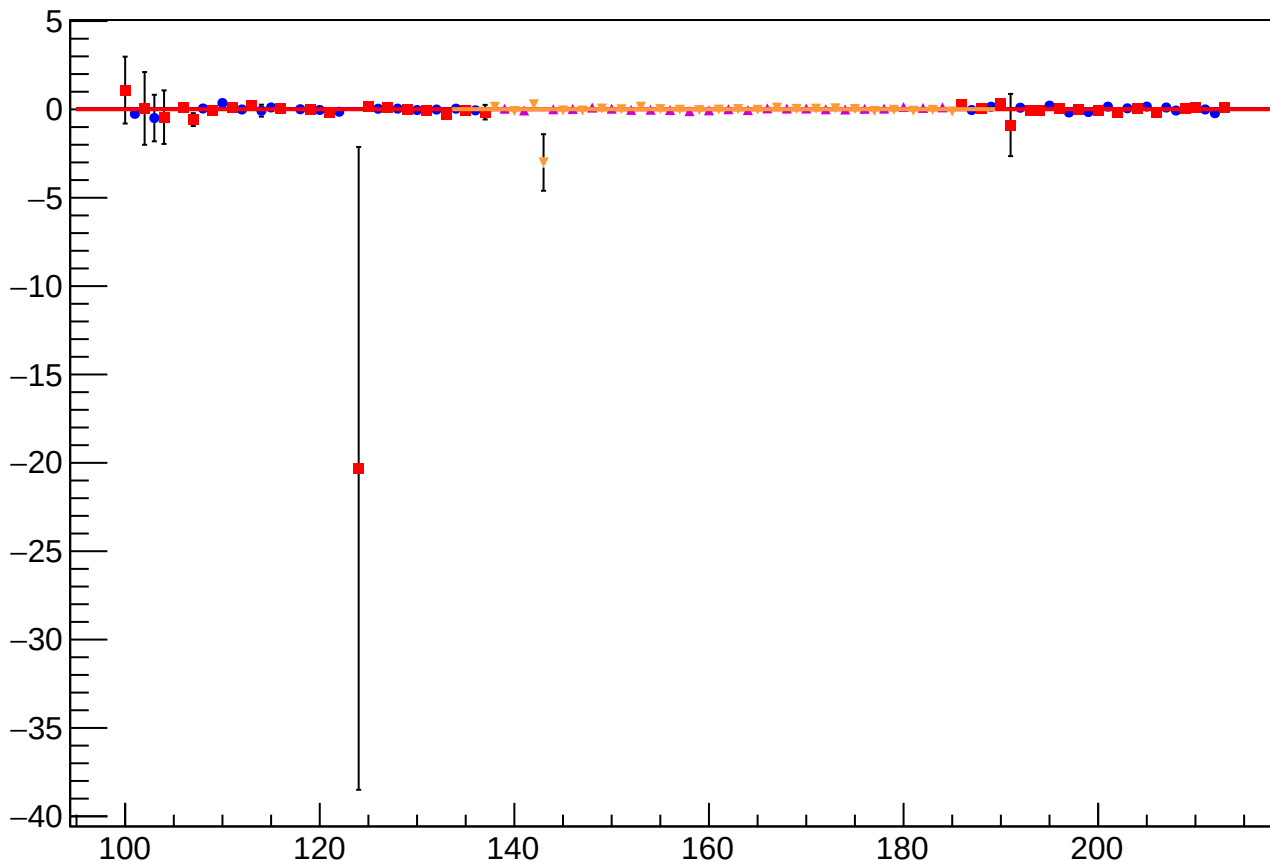
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2613869.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10476576.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22771849.3/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12293159.5/56

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.020 χ^2/NDF : 25.4/28

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.008 ± 0.019 χ^2/NDF : 31.0/33

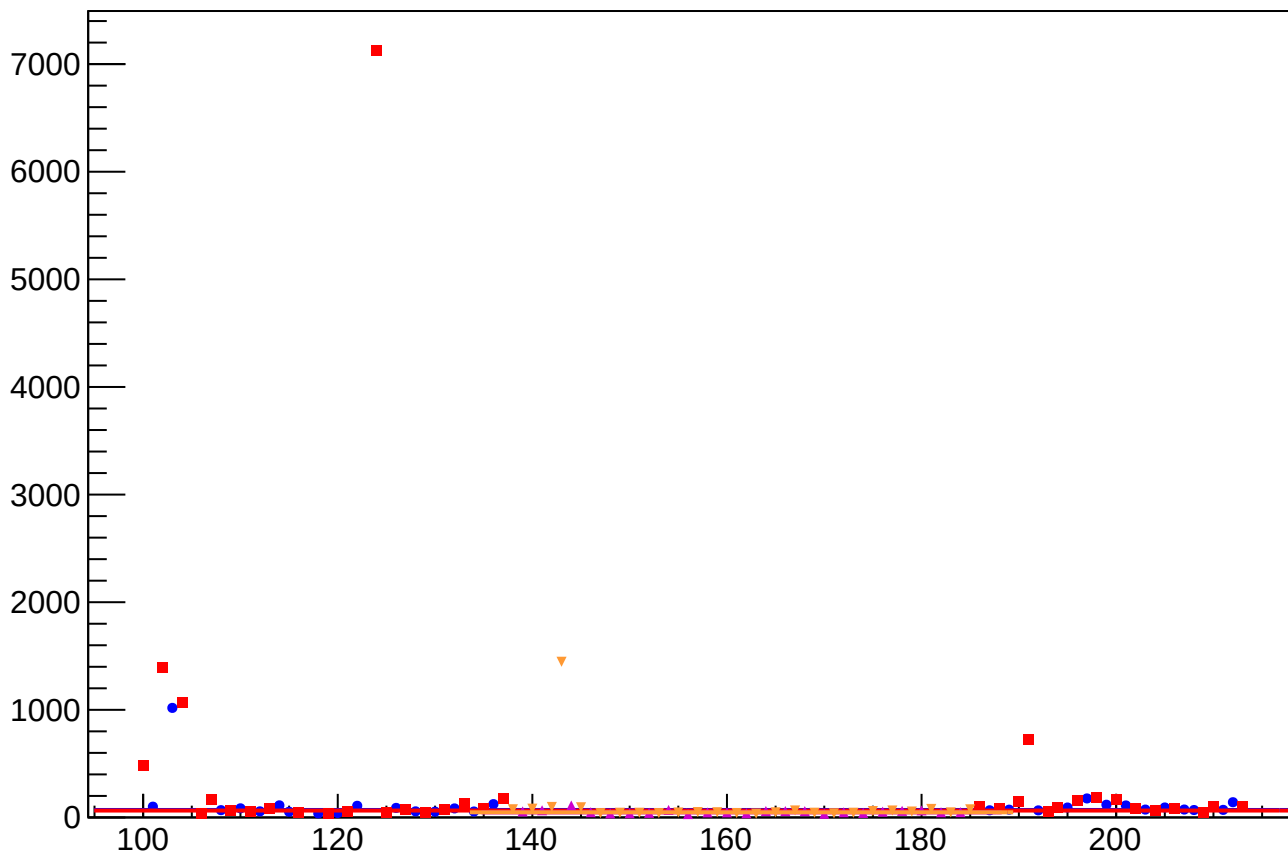
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.015 ± 0.011 χ^2/NDF : 55.3/53

All: 0.015 ± 0.007 χ^2/NDF : 106.8/110

- sign 0.015 ± 0.010 χ^2/NDF : 51.5/56

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.437 $\pm$ 0.014 χ^2 /NDF: 4211771.2/28

Left Out: 47.901 $\pm$ 0.009 χ^2 /NDF: 3496596.6/24

Right Out: 64.164 $\pm$ 0.013 χ^2 /NDF: 6748437.0/33

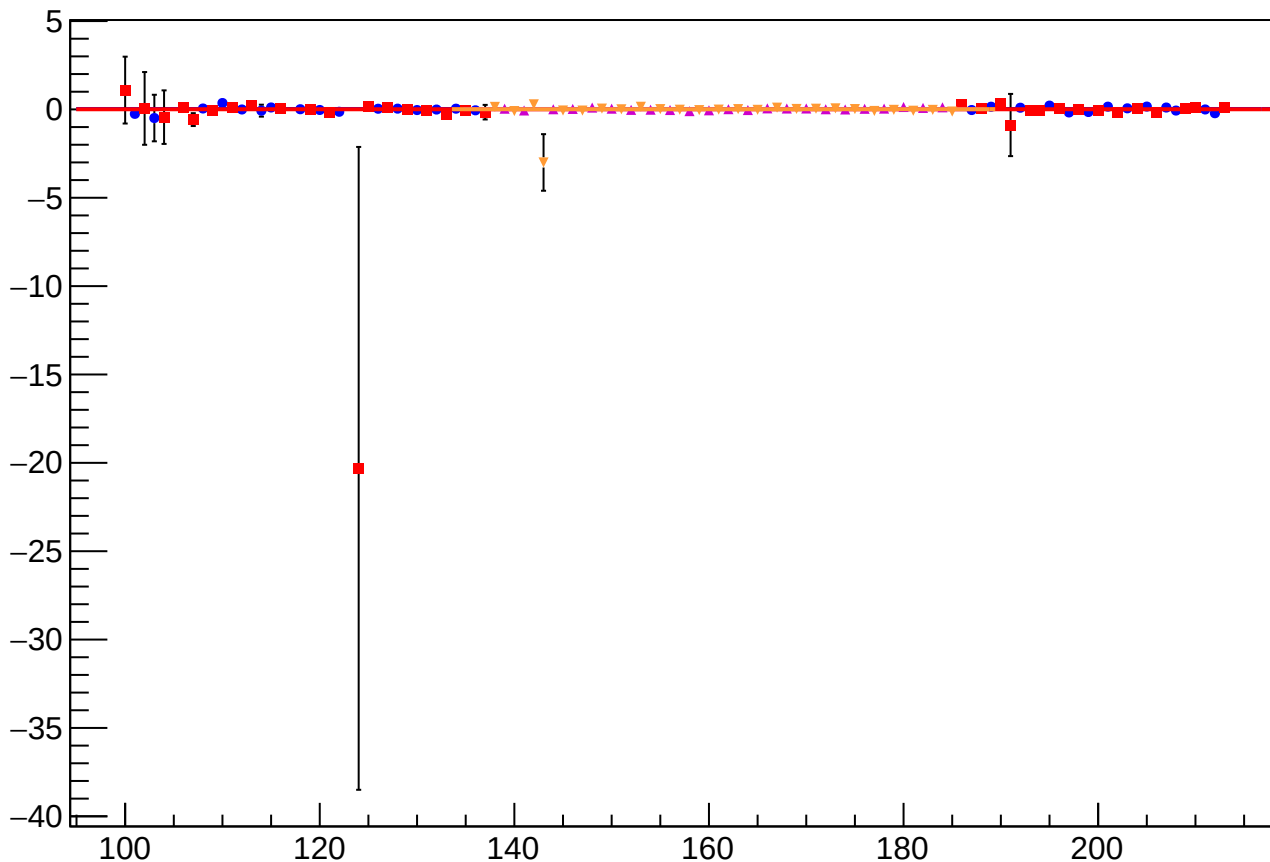
Left In: 46.786 $\pm$ 0.009 χ^2 /NDF: 1949486.1/22

+ sign 53.945 $\pm$ 0.007 χ^2 /NDF: 9389910.4/53

All: 52.923 $\pm$ 0.005 χ^2 /NDF: 19320973.9/110

- sign 51.956 $\pm$ 0.007 χ^2 /NDF: 9894591.6/56

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.020 χ^2/NDF : 25.4/28

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.008 ± 0.019 χ^2/NDF : 31.0/33

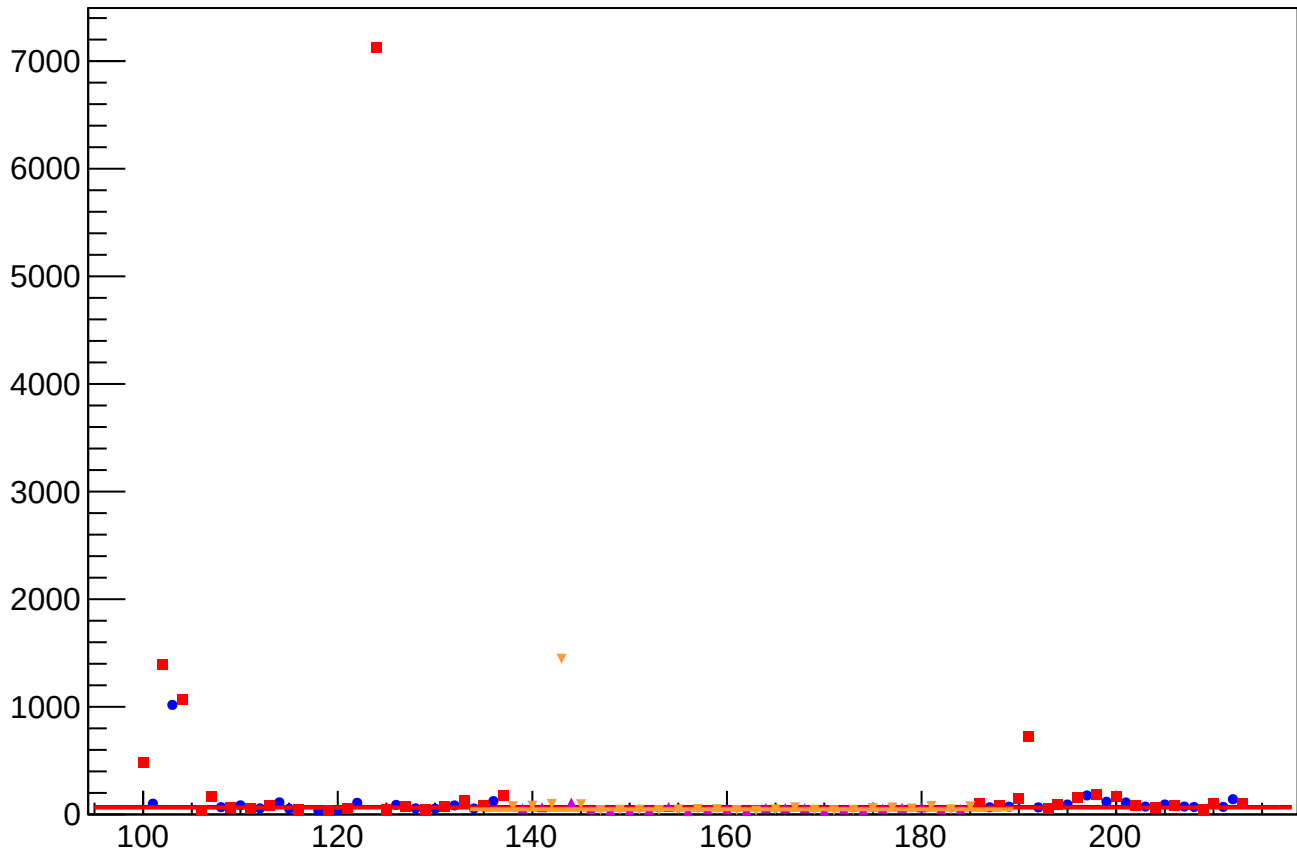
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.015 ± 0.011 χ^2/NDF : 55.3/53

All: 0.015 ± 0.007 χ^2/NDF : 106.8/110

- sign 0.015 ± 0.010 χ^2/NDF : 51.5/56

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.437 $\pm$ 0.014 χ^2 /NDF: 4211771.2/28

Left Out: 47.901 $\pm$ 0.009 χ^2 /NDF: 3496596.6/24

Right Out: 64.164 $\pm$ 0.013 χ^2 /NDF: 6748437.0/33

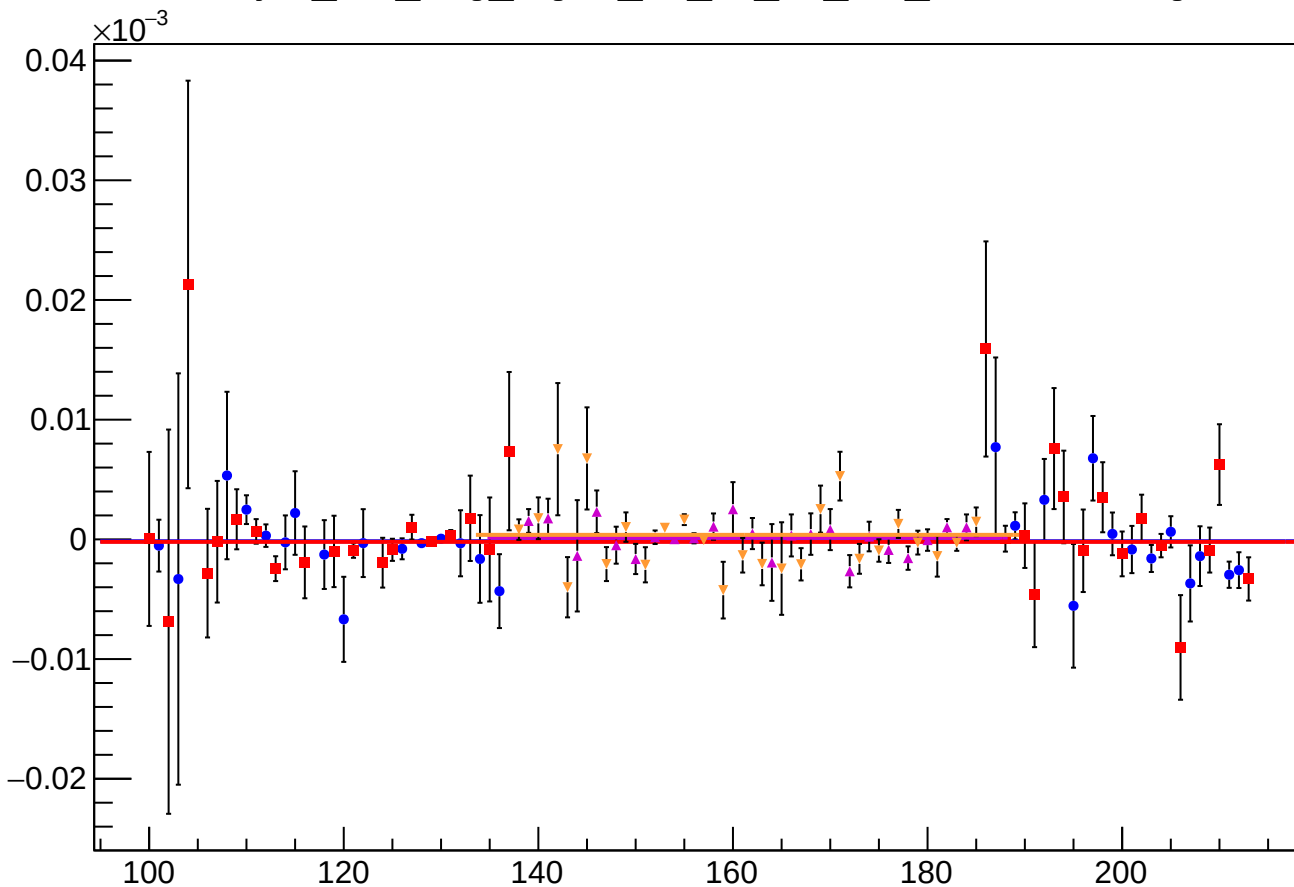
Left In: 46.786 $\pm$ 0.009 χ^2 /NDF: 1949486.1/22

+ sign 53.945 $\pm$ 0.007 χ^2 /NDF: 9389910.4/53

All: 52.923 $\pm$ 0.005 χ^2 /NDF: 19320973.9/110

- sign 51.956 $\pm$ 0.007 χ^2 /NDF: 9894591.6/56

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:51.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/33

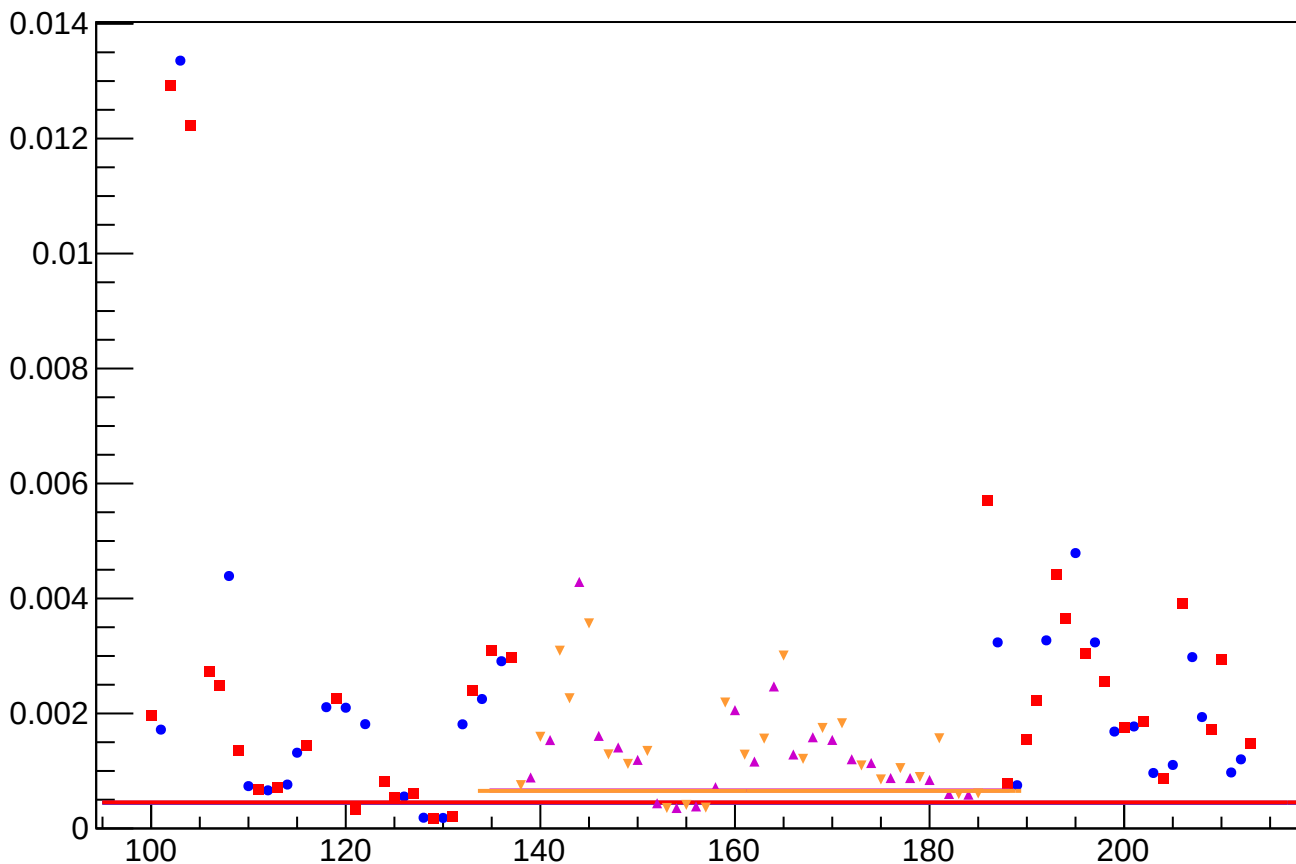
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 149.8/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 58.8/56

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19983407.0/28

Left Out: 0.001+/-0.000 χ^2/NDF : 12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21512428.3/33

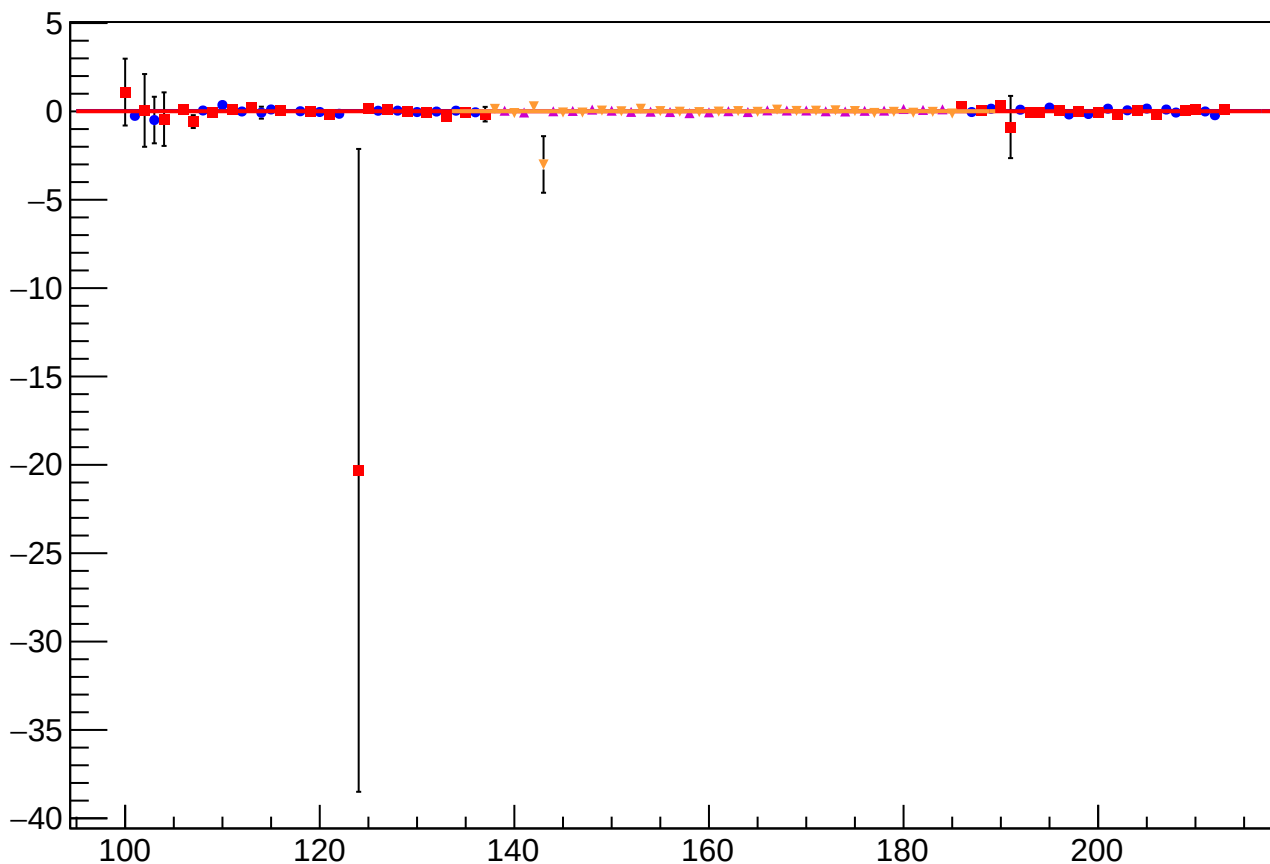
Left In: 0.001+/-0.000 χ^2/NDF : 9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 33372460.2/53

All: 0.001+/-0.000 χ^2/NDF : 65847942.0/110

- sign 0.001+/-0.000 χ^2/NDF : 32474235.7/56

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.020 χ^2/NDF : 25.4/28

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.008 ± 0.019 χ^2/NDF : 31.0/33

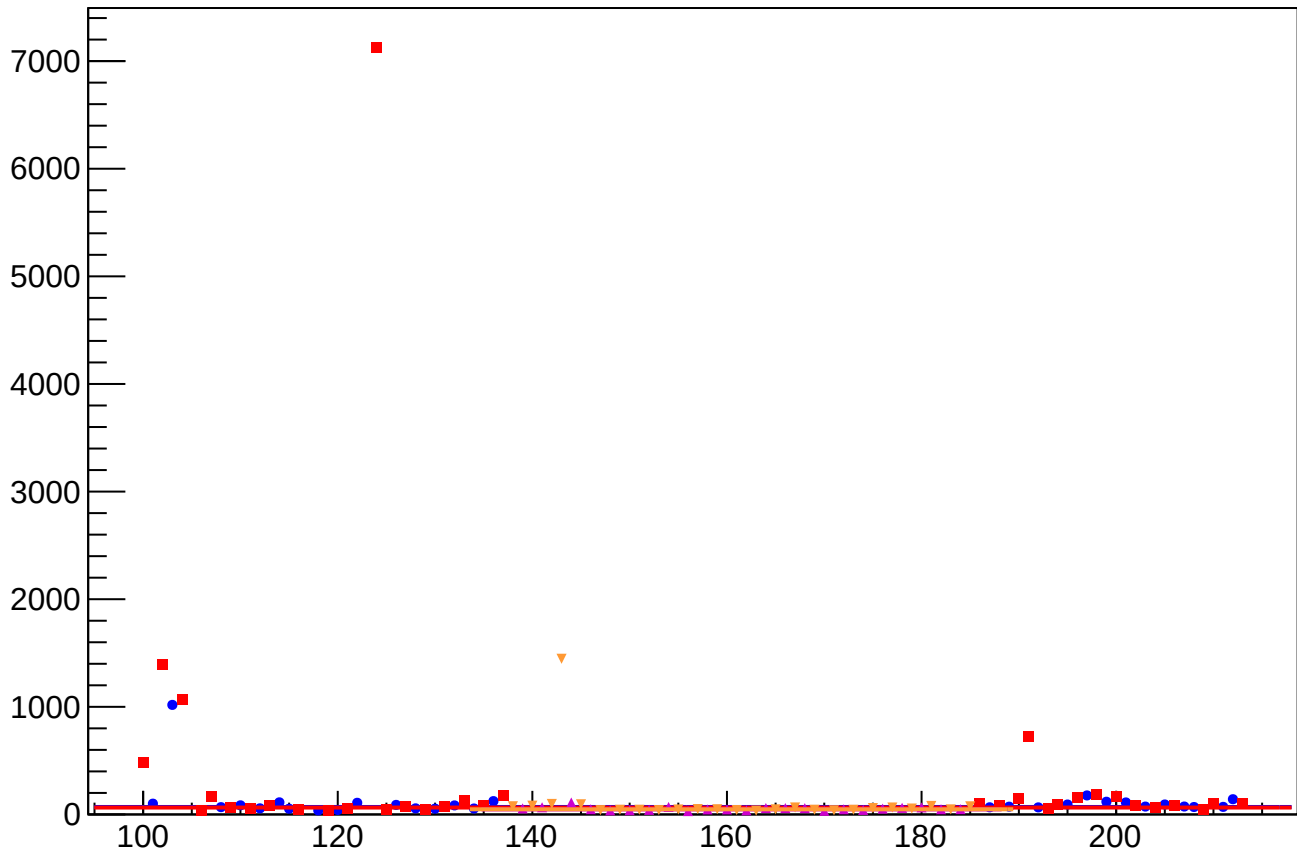
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.015 ± 0.011 χ^2/NDF : 55.3/53

All: 0.015 ± 0.007 χ^2/NDF : 106.8/110

- sign 0.015 ± 0.010 χ^2/NDF : 51.5/56

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.438+/-0.014 χ^2/NDF : 4211830.6/28

Left Out: 47.902+/-0.009 χ^2/NDF : 3496571.8/24

Right Out: 64.164+/-0.013 χ^2/NDF : 6748659.8/33

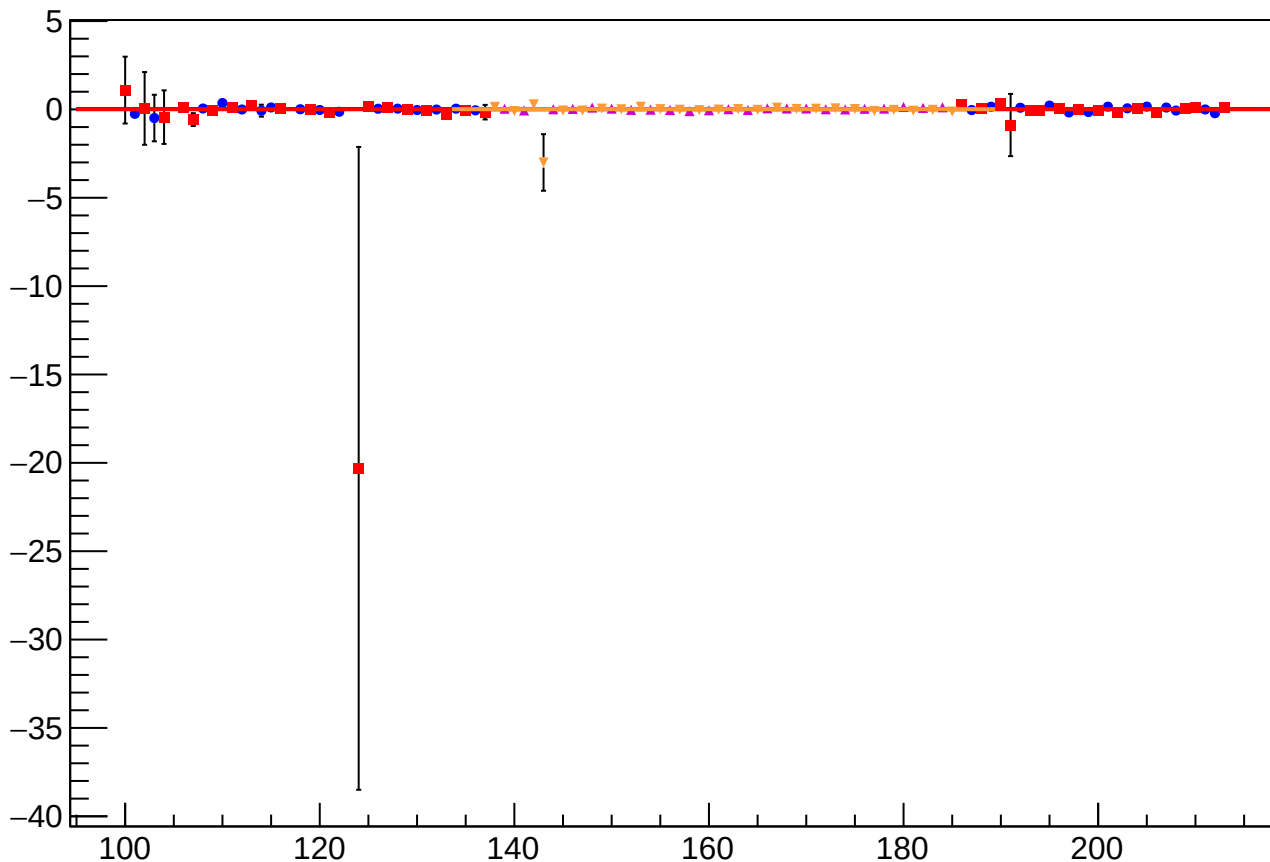
Left In: 46.786+/-0.009 χ^2/NDF : 1949480.3/22

+ sign 53.945+/-0.007 χ^2/NDF : 9389928.3/53

All: 52.923+/-0.005 χ^2/NDF : 19321123.2/110

- sign 51.956+/-0.007 χ^2/NDF : 9894707.9/56

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.020 χ^2 /NDF: 25.4/28

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF:29.6/24

Right Out: 0.008 $\pm$ 0.019 χ^2 /NDF: 31.0/33

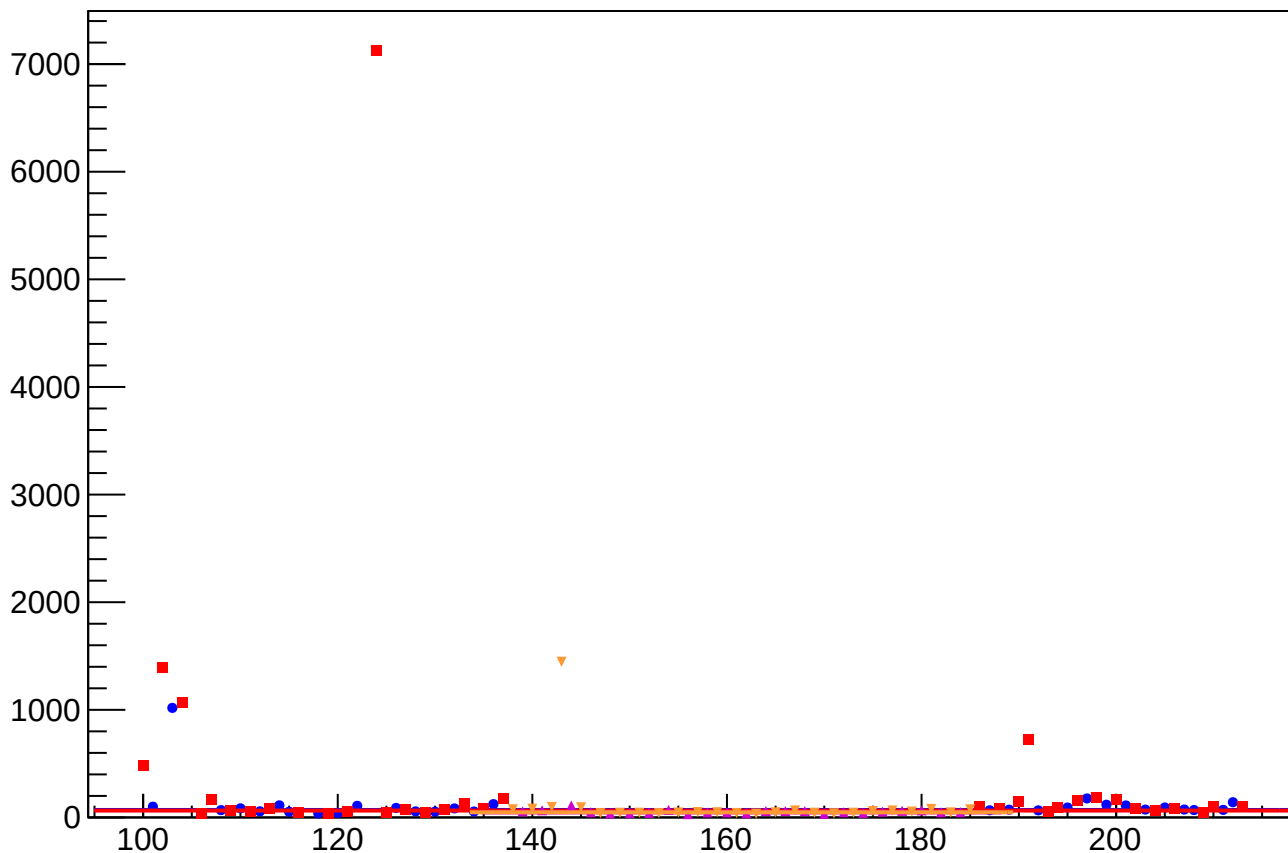
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF:20.3/22

+ sign 0.015 $\pm$ 0.011 χ^2 /NDF: 55.3/53

All: 0.015 $\pm$ 0.007 χ^2 /NDF: 106.8/110

- sign 0.015 $\pm$ 0.010 χ^2 /NDF: 51.5/56

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.438 $\pm$ 0.014 χ^2 /NDF: 4211830.6/28

Left Out: 47.902 $\pm$ 0.009 χ^2 /NDF: 3496571.8/24

Right Out: 64.164 $\pm$ 0.013 χ^2 /NDF: 6748659.8/33

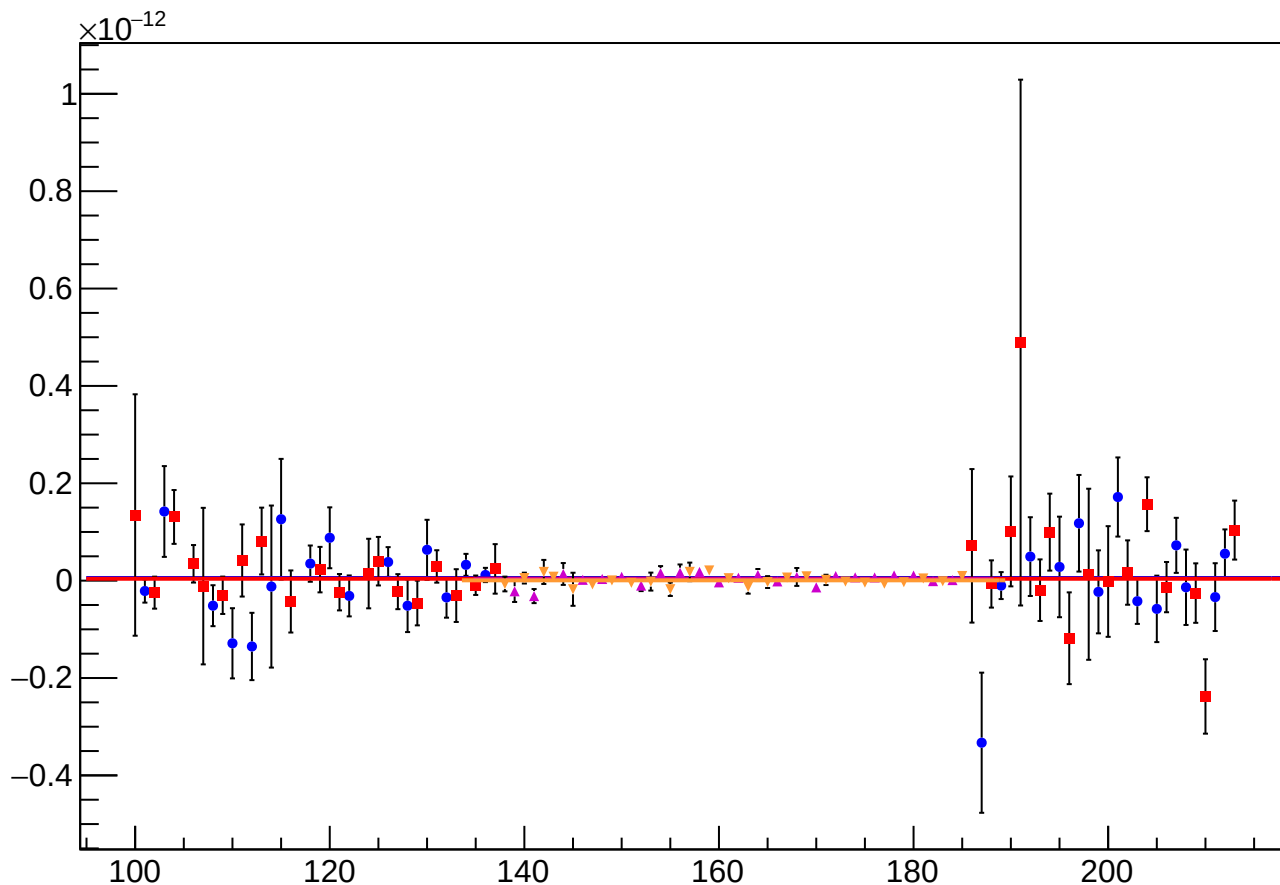
Left In: 46.786 $\pm$ 0.009 χ^2 /NDF: 1949480.3/22

+ sign 53.945 $\pm$ 0.007 χ^2 /NDF: 9389928.3/53

All: 52.923 $\pm$ 0.005 χ^2 /NDF: 19321123.2/110

- sign 51.956 $\pm$ 0.007 χ^2 /NDF: 9894707.9/56

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.2/33

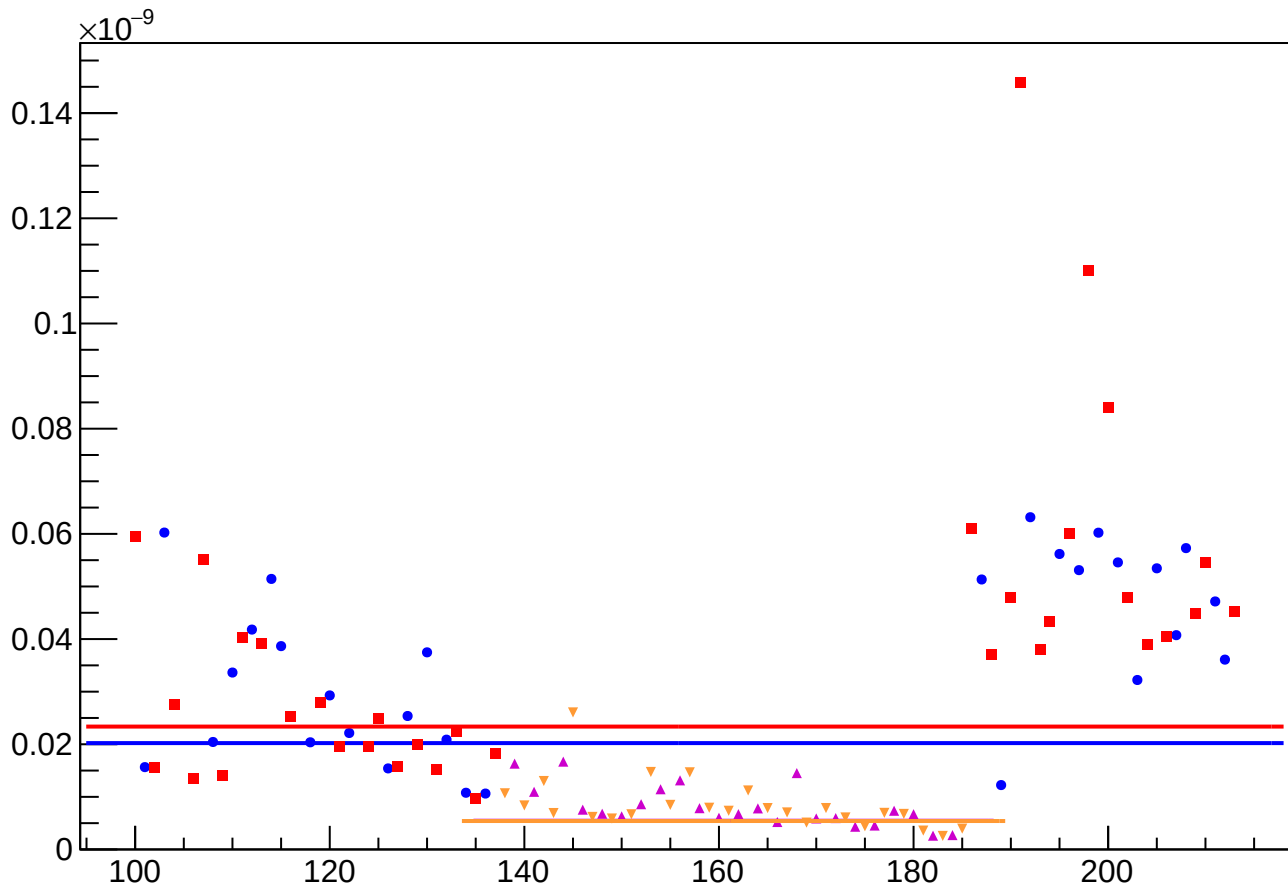
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 117.1/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.0/56

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6215895.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5495371.0/33

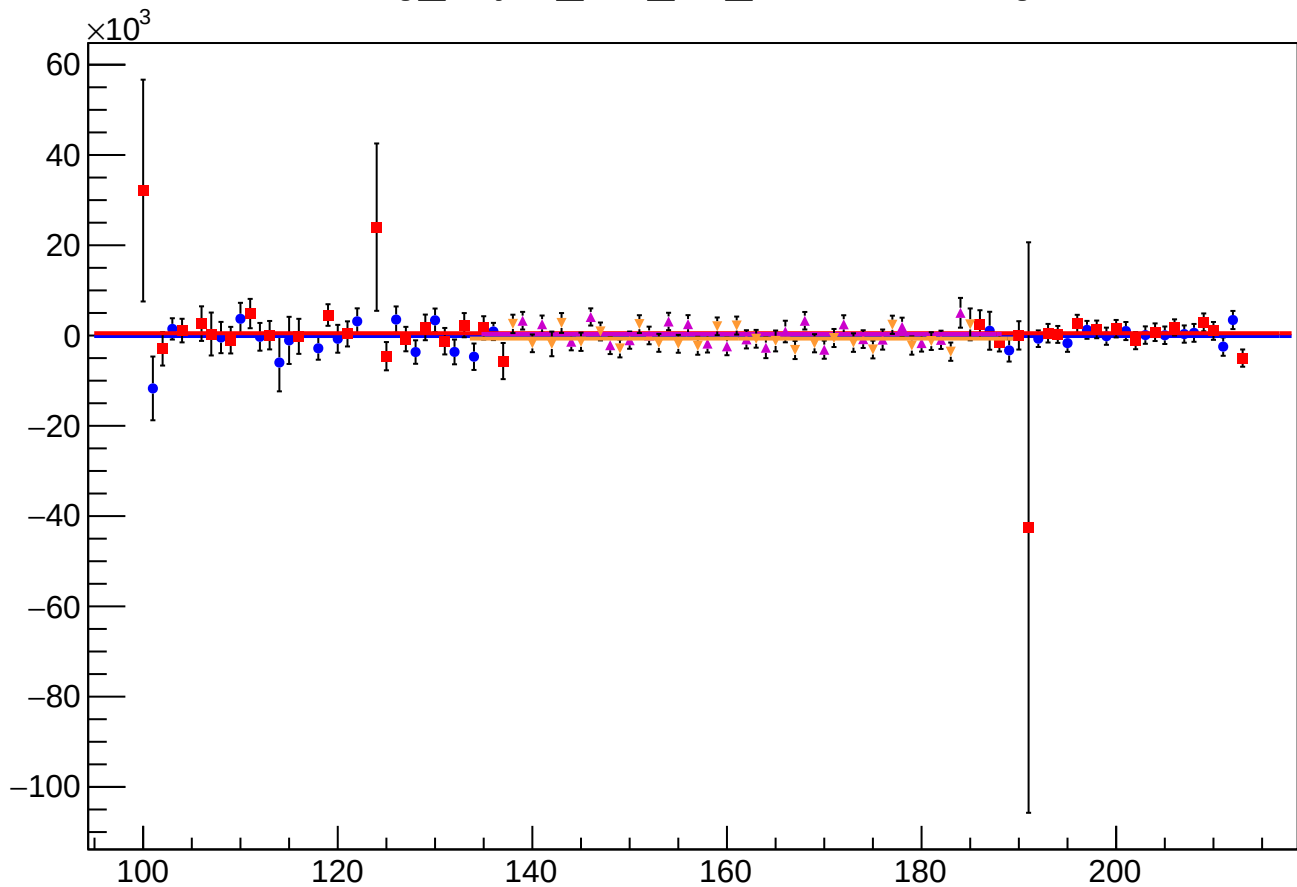
Left In: 0.000+/-0.000 χ^2/NDF : 4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 18513231.2/53

All: 0.000+/-0.000 χ^2/NDF : 37089894.7/110

- sign 0.000+/-0.000 χ^2/NDF : 18575037.1/56

reg_asym_at1_dd_mean vs Slug



Right In: -106.810 ± 448.553 χ^2/NDF : 25.2/28

Left Out: -670.041 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 515.197 ± 436.130 χ^2/NDF : 30.7/33

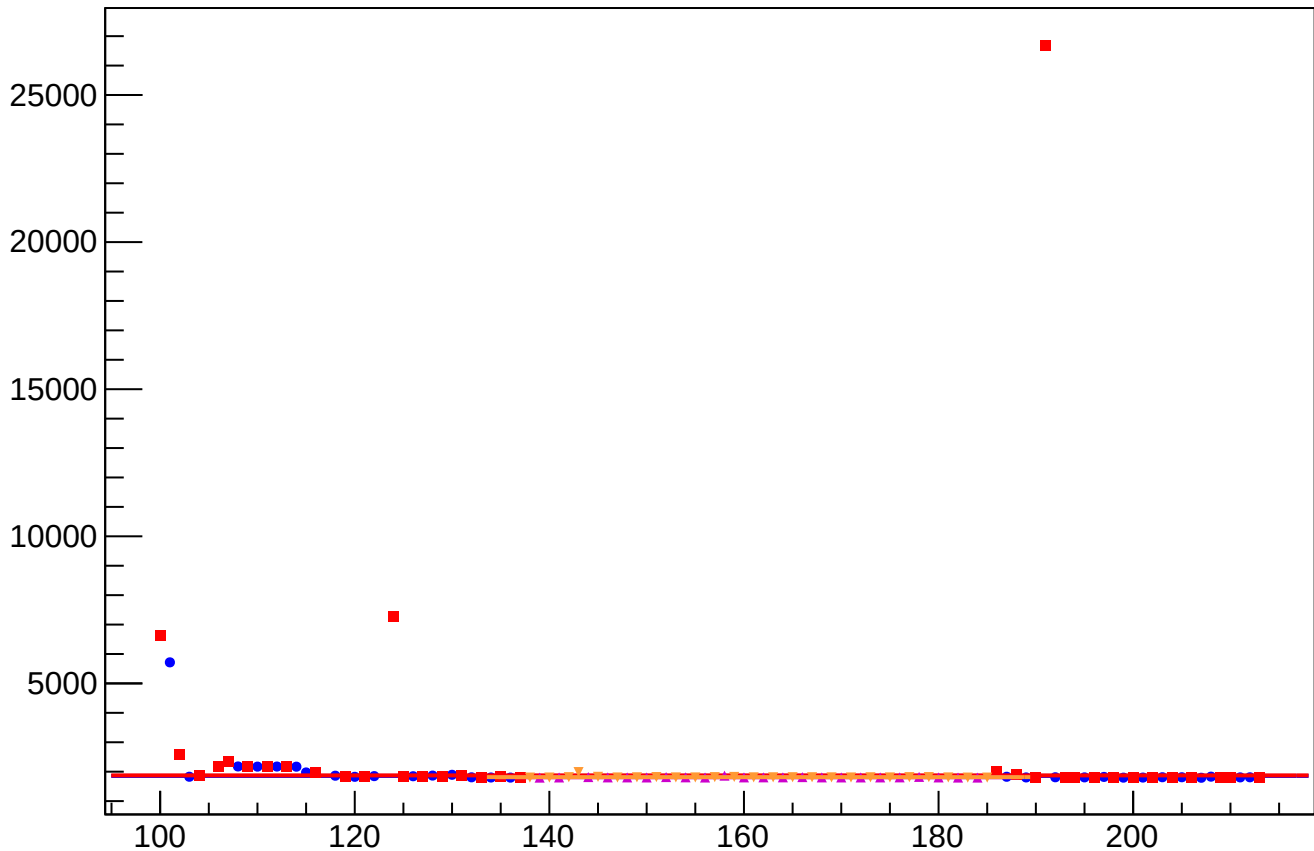
Left In: 342.945 ± 422.712 χ^2/NDF : 30.1/22

+ sign -412.167 ± 303.511 χ^2/NDF : 50.8/53

All: 7.073 ± 214.623 χ^2/NDF : 115.5/110

- sign 426.381 ± 303.535 χ^2/NDF : 60.9/56

reg_asym_at1_dd_rms vs Slug



Right In: 1855.513+/-0.317 χ^2/NDF : 677074.6/28

Left Out: 1814.435+/-0.291 χ^2/NDF :13102.1/24

Right Out: 1873.685+/-0.308 χ^2/NDF : 754679.1/33

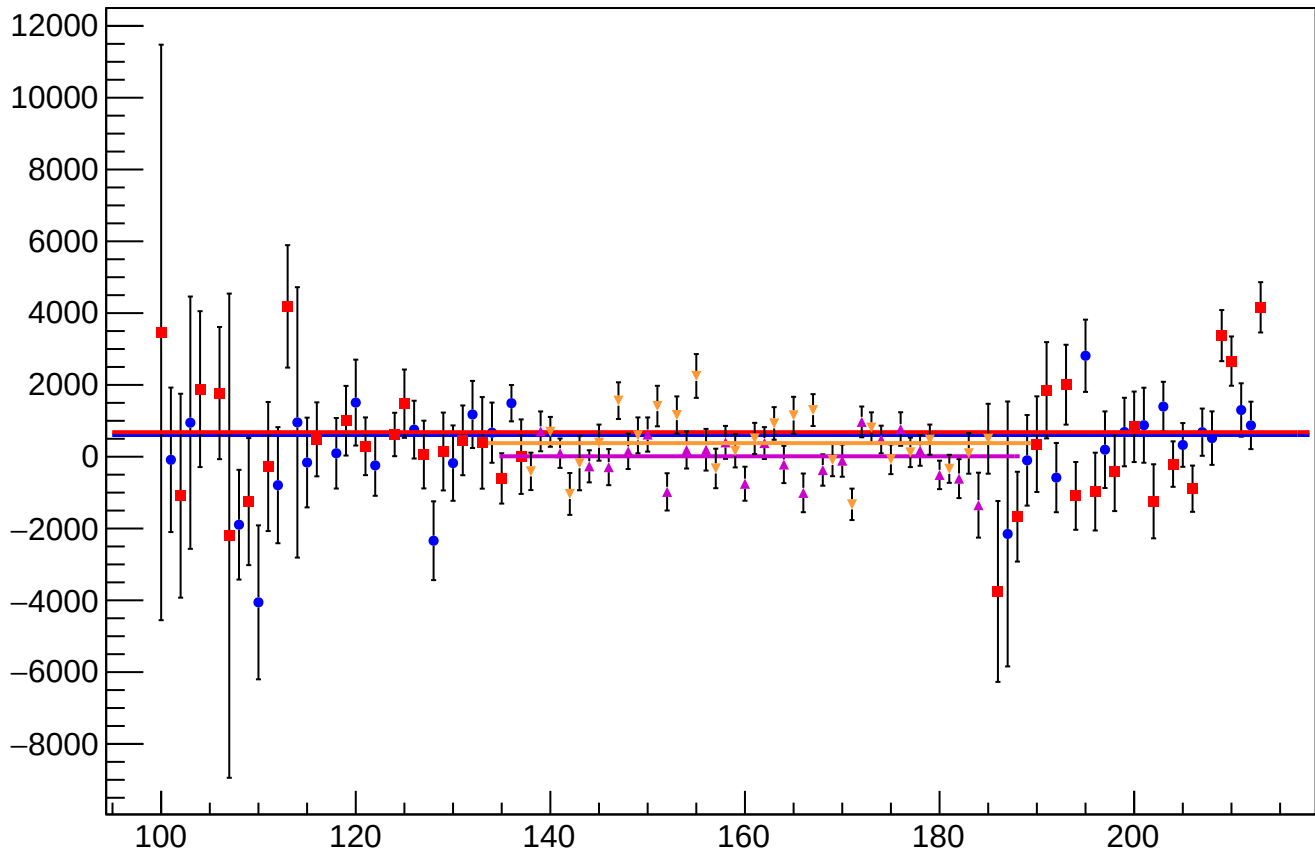
Left In: 1810.457+/-0.299 χ^2/NDF :1967.2/22

+ sign 1833.242+/-0.215 χ^2/NDF : 699270.4/53

All: 1837.163+/-0.152 χ^2/NDF : 1478258.2/11

- sign 1841.084+/-0.215 χ^2/NDF : 778320.4/56

asym_at1_dd_reg_correction_mean vs Slug



Right In: 605.589 ± 172.479 χ^2/NDF : 31.8/28

Left Out: 379.353 ± 97.013 χ^2/NDF : 62.3/24

Right Out: 683.460 ± 171.049 χ^2/NDF : 87.2/33

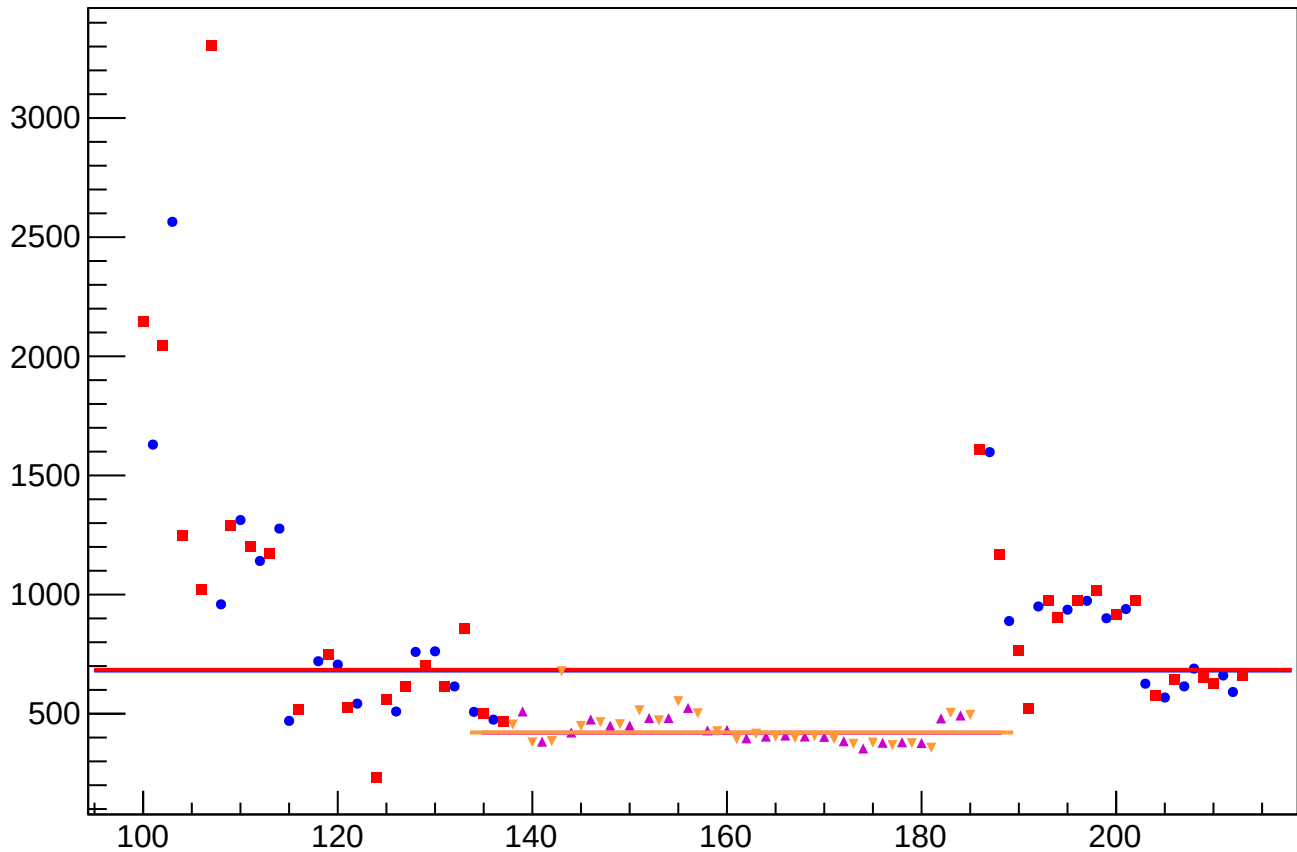
Left In: 11.527 ± 98.976 χ^2/NDF : 31.1/22

+ sign 433.725 ± 84.556 χ^2/NDF : 95.4/53

All: 308.556 ± 60.179 χ^2/NDF : 229.7/110

- sign 180.073 ± 85.668 χ^2/NDF : 129.8/56

asym_at1_dd_reg_correction_rms vs Slug



Right In: 681.368 $\pm$ 0.122 χ^2 /NDF: 3107521.4/28

Left Out: 421.417 $\pm$ 0.069 χ^2 /NDF: 743048.1/24

Right Out: 684.219 $\pm$ 0.121 χ^2 /NDF: 4700201.6/33

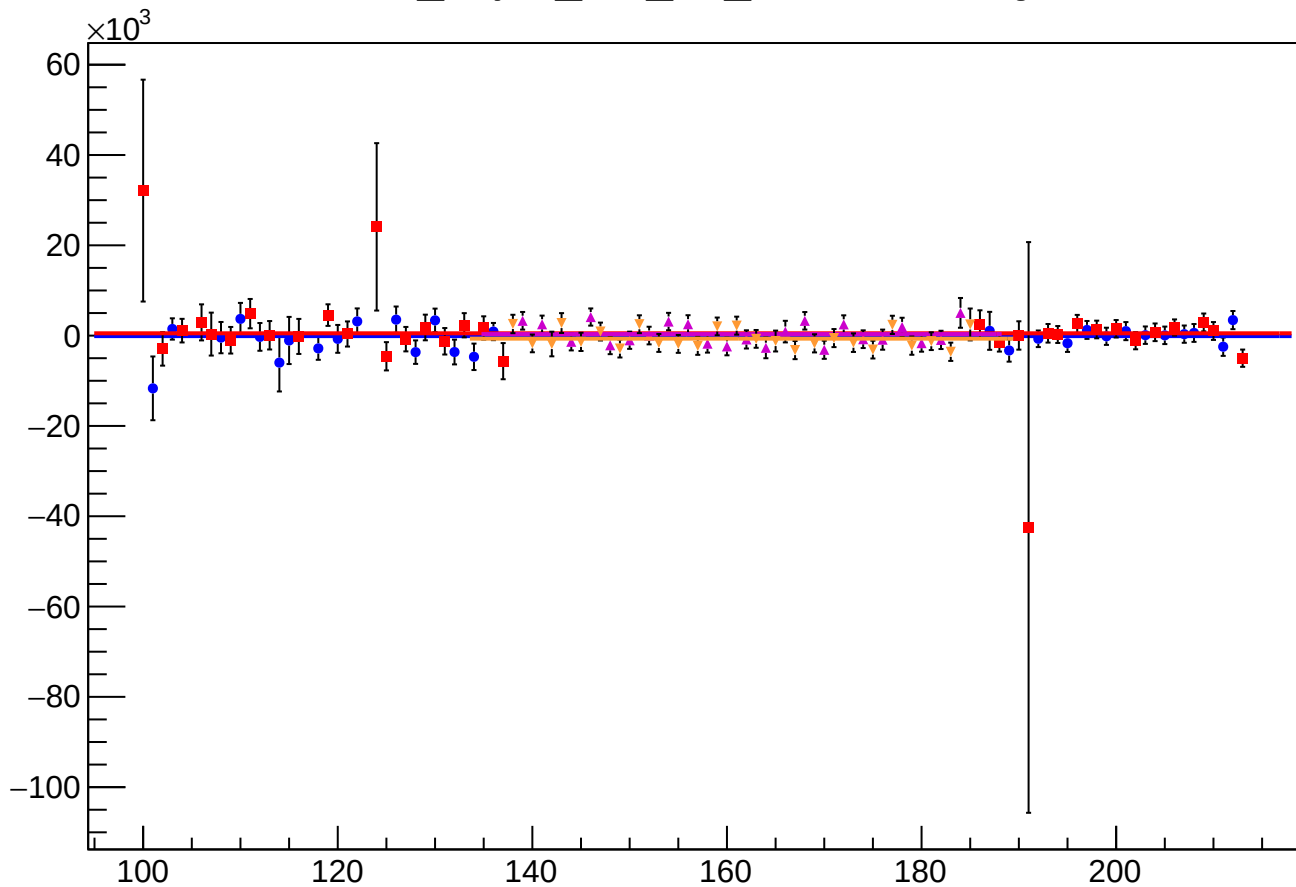
Left In: 420.222 $\pm$ 0.070 χ^2 /NDF: 413129.7/22

+ sign 483.891 $\pm$ 0.060 χ^2 /NDF: 7301708.8/53

All: 485.150 $\pm$ 0.043 χ^2 /NDF: 15985043.1/11

- sign 486.443 $\pm$ 0.061 χ^2 /NDF: 8682435.5/56

cor_asym_at1_dd_mean vs Slug



Right In: -106.438 ± 448.553 χ^2/NDF : 25.2/28

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 516.694 ± 436.353 χ^2/NDF : 30.8/33

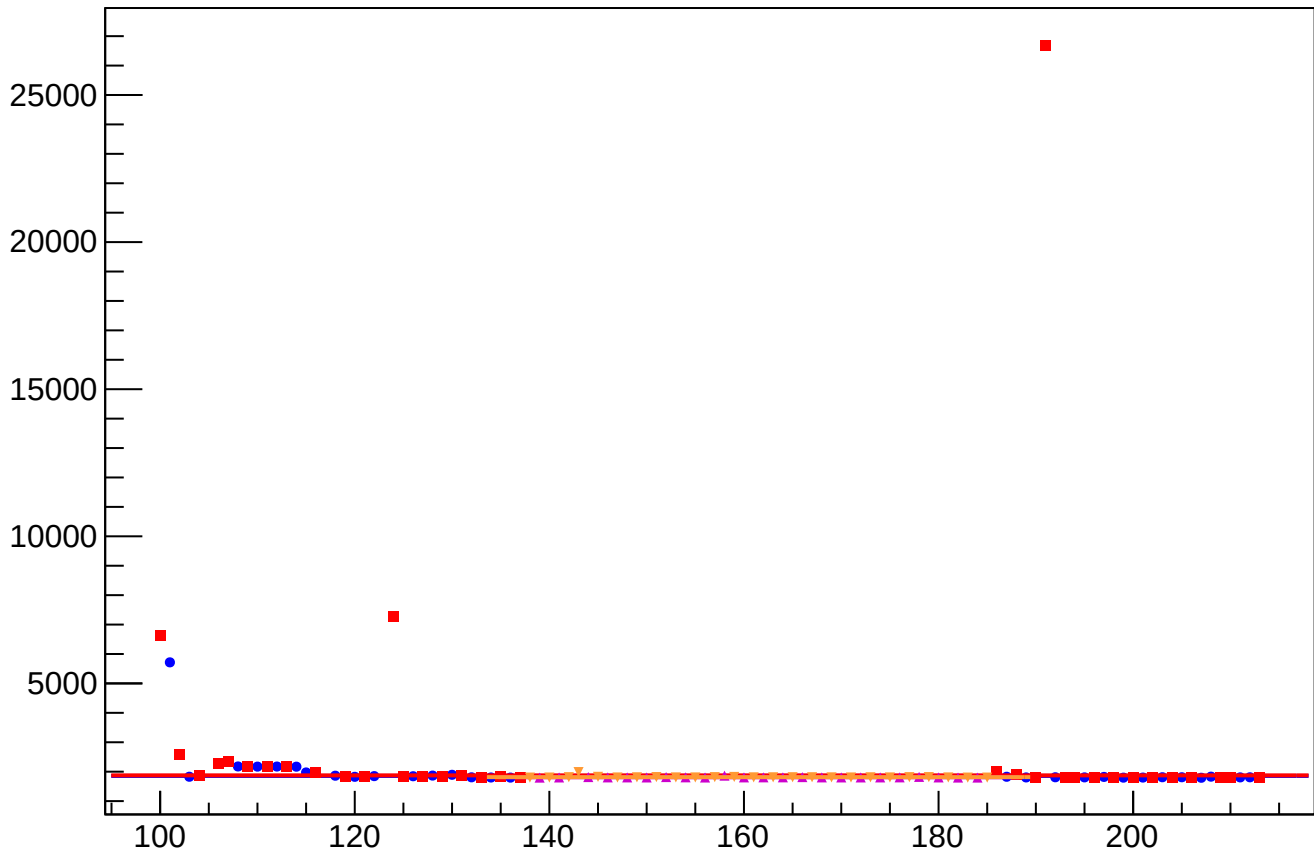
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -411.991 ± 303.511 χ^2/NDF : 50.8/53

All: 7.409 ± 214.650 χ^2/NDF : 115.6/110

- sign 427.084 ± 303.610 χ^2/NDF : 60.9/56

cor_asym_at1_dd_rms vs Slug



Right In: 1855.513 ± 0.317 χ^2/NDF : 677074.5/28

Left Out: 1814.435 ± 0.291 χ^2/NDF : 13102.1/24

Right Out: 1874.343 ± 0.309 χ^2/NDF : 760907.5/33

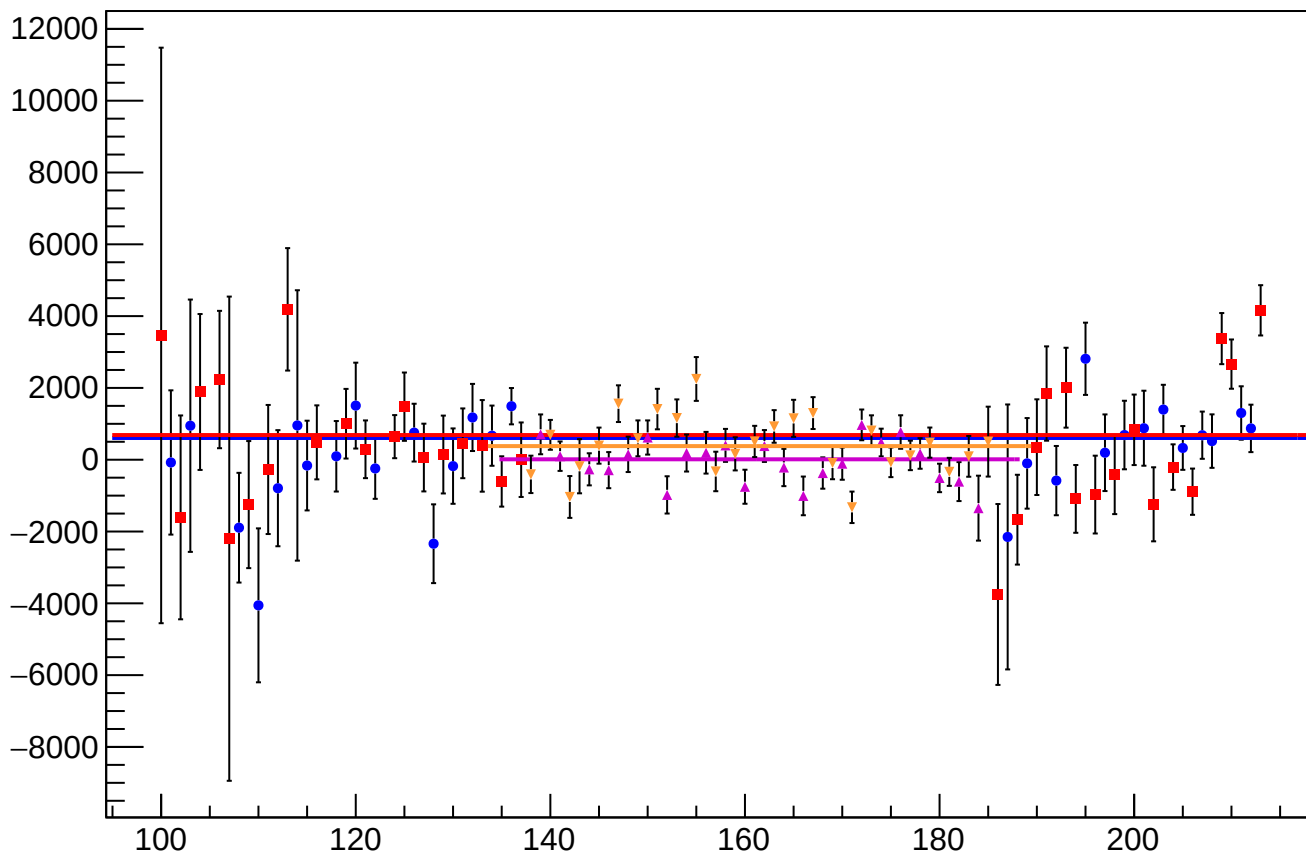
Left In: 1810.457 ± 0.299 χ^2/NDF : 1967.2/22

+ sign 1833.242 ± 0.215 χ^2/NDF : 699270.2/53

All: 1837.313 ± 0.152 χ^2/NDF : 1484980.4/11

- sign 1841.386 ± 0.215 χ^2/NDF : 784990.4/56

asym_at1_dd_cor_correction_mean vs Slug



Right In: 605.685 $\pm$ 172.477 χ^2 /NDF: 31.8/28

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF: 62.3/24

Right Out: 687.028 $\pm$ 170.943 χ^2 /NDF: 87.8/33

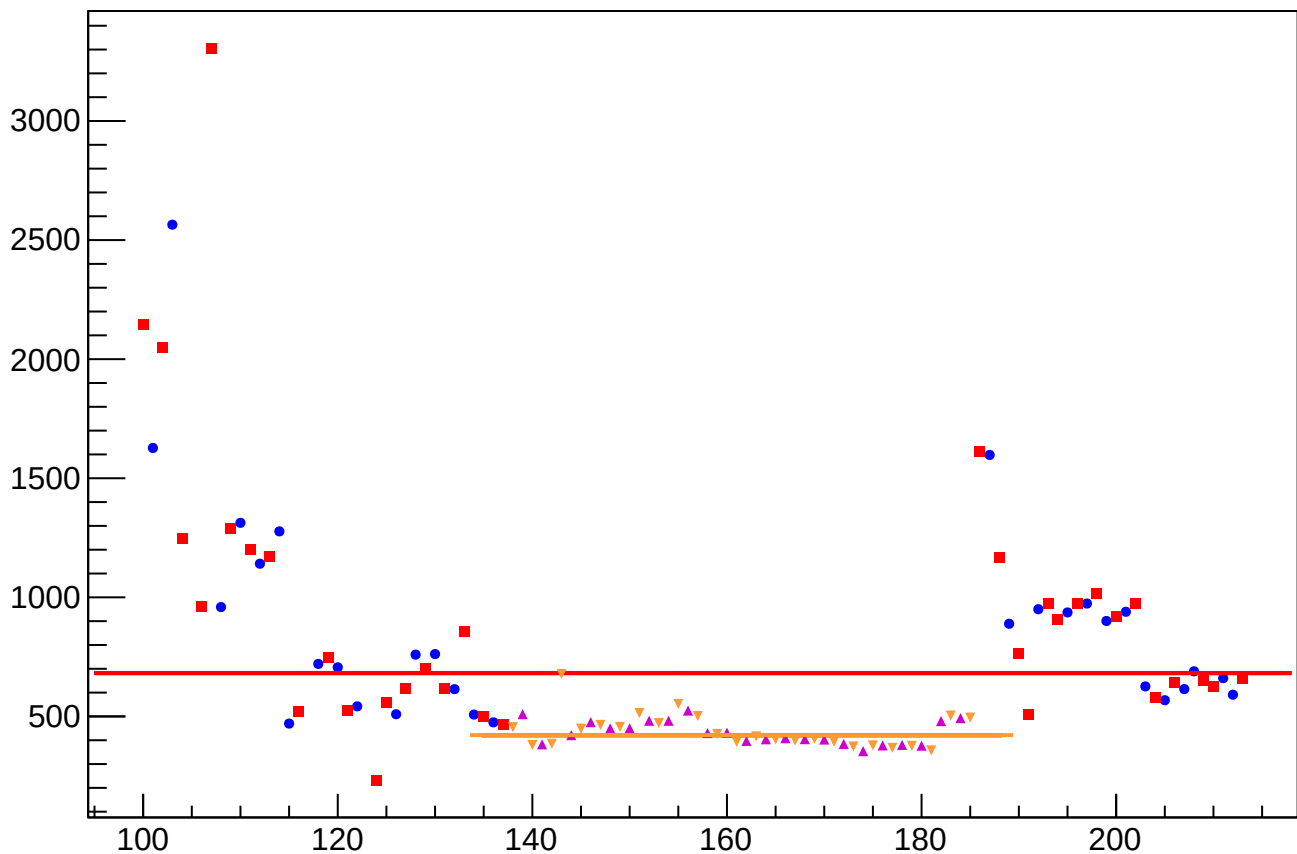
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF: 31.1/22

+ sign 433.742 $\pm$ 84.556 χ^2 /NDF: 95.4/53

All: 309.067 $\pm$ 60.174 χ^2 /NDF: 230.4/110

- sign 181.133 $\pm$ 85.654 χ^2 /NDF: 130.6/56

asym_at1_dd_cor_correction_rms vs Slug



Right In: 681.368+/-0.122 χ^2/NDF : 3106686.6/28

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF : 4708655.9/33

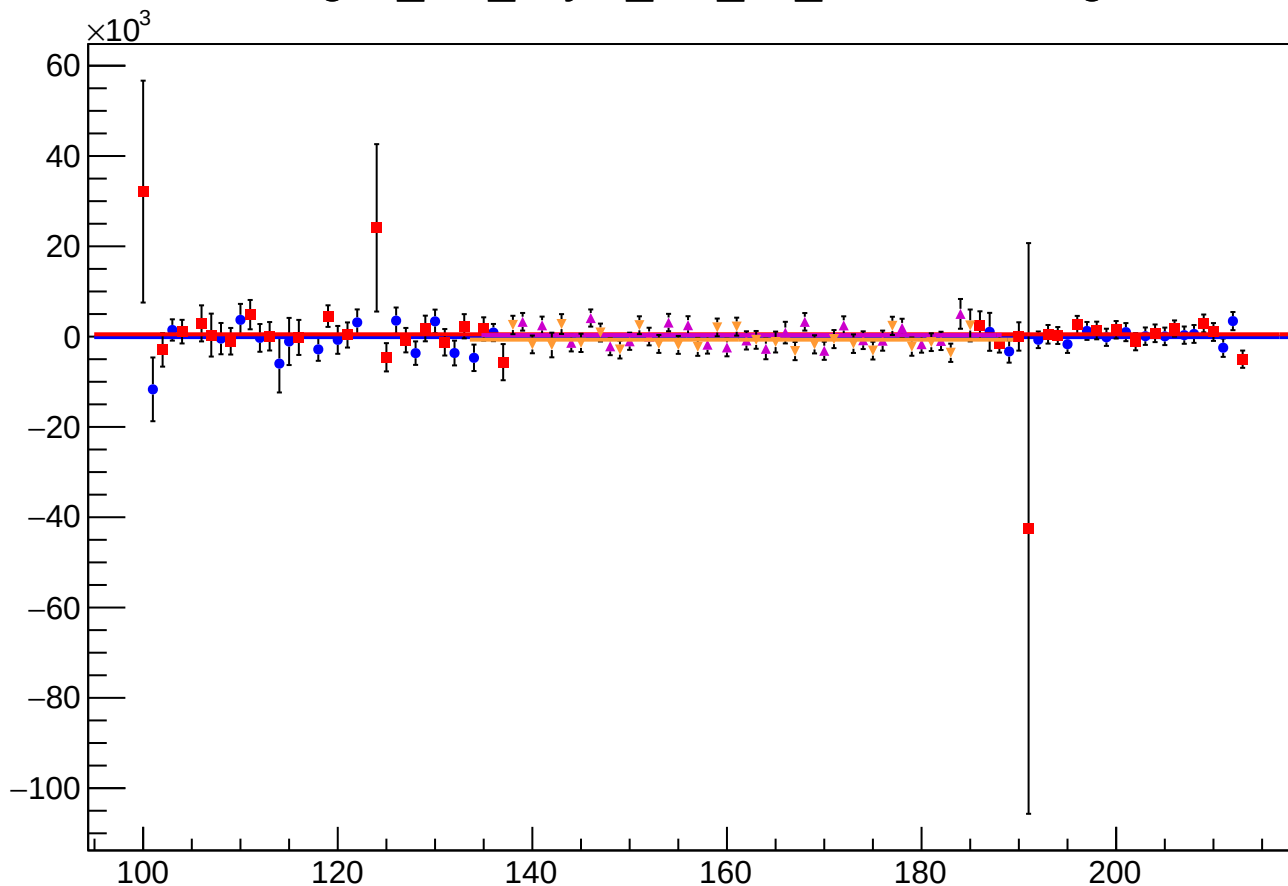
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 483.895+/-0.060 χ^2/NDF : 7300803.1/53

All: 484.973+/-0.043 χ^2/NDF : 15950569.3/11

- sign 486.079+/-0.061 χ^2/NDF : 8649107.9/56

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -106.438 $\pm$ 448.553 χ^2 /NDF: 25.2/28

Left Out: -670.031 $\pm$ 412.206 χ^2 /NDF: 24.7/24

Right Out: 516.694 $\pm$ 436.353 χ^2 /NDF: 30.8/33

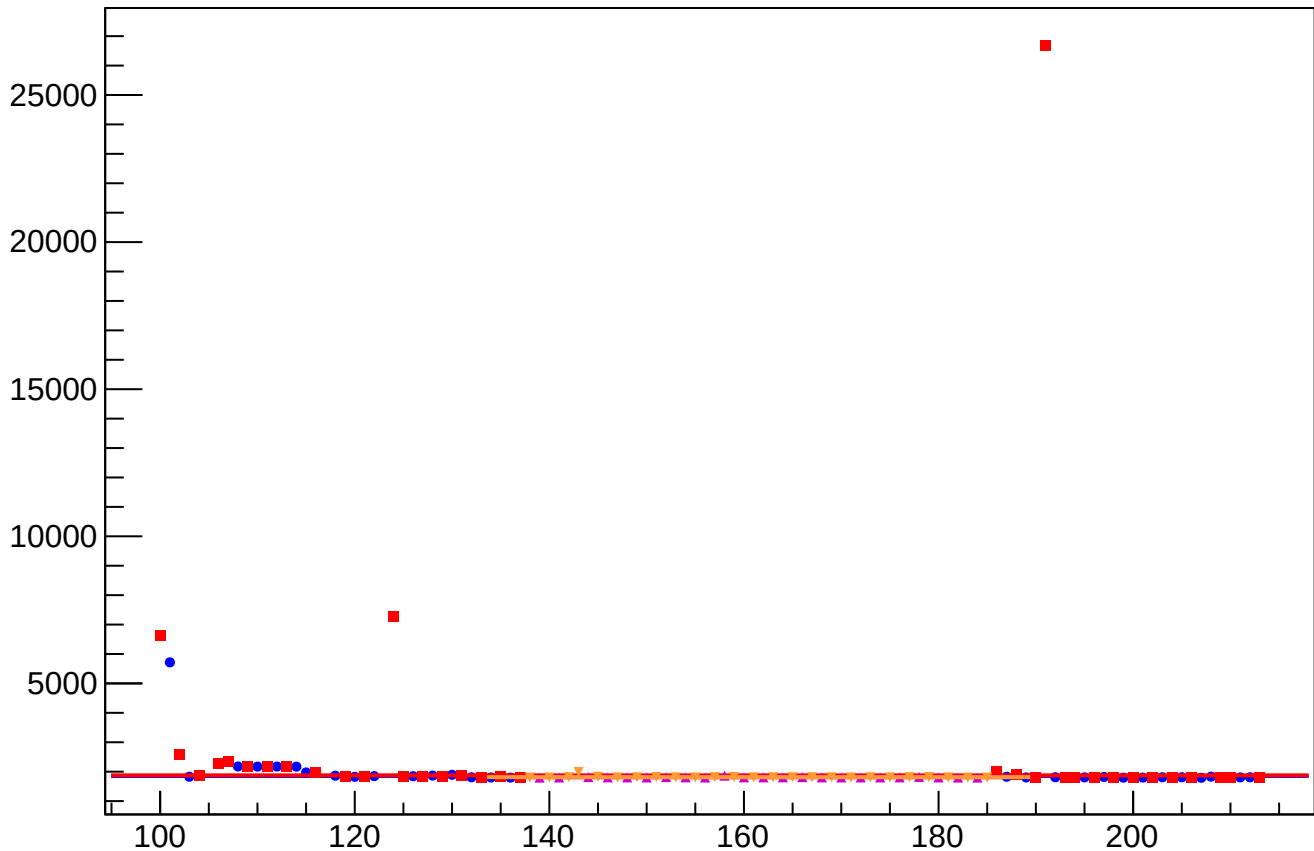
Left In: 342.989 $\pm$ 422.712 χ^2 /NDF: 30.1/22

+ sign -411.991 $\pm$ 303.511 χ^2 /NDF: 50.8/53

All: 7.409 $\pm$ 214.650 χ^2 /NDF: 115.6/110

- sign 427.084 $\pm$ 303.610 χ^2 /NDF: 60.9/56

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1855.513 $\pm$ 0.317 χ^2 /NDF: 677074.5/28

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1874.343 $\pm$ 0.309 χ^2 /NDF: 760907.5/33

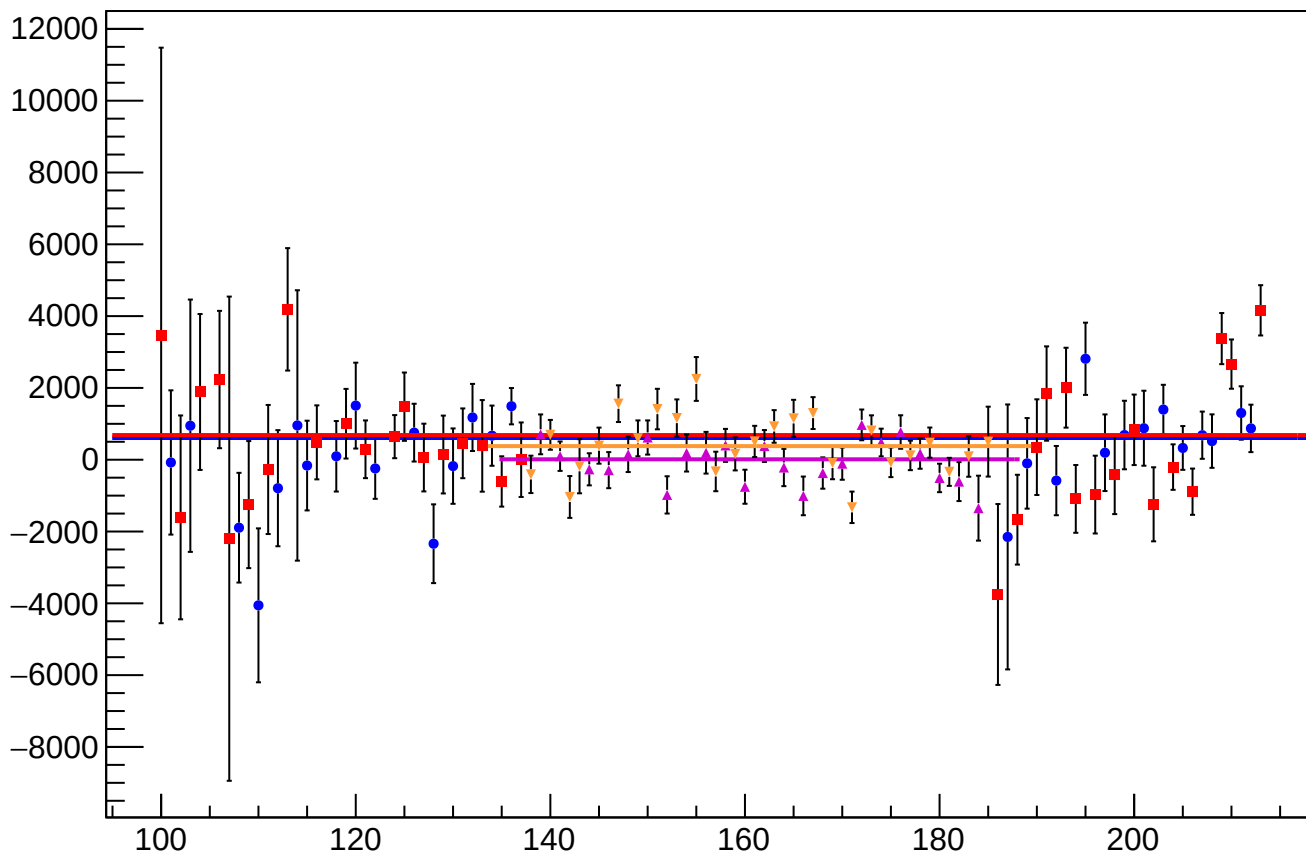
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1833.242 $\pm$ 0.215 χ^2 /NDF: 699270.2/53

All: 1837.313 $\pm$ 0.152 χ^2 /NDF: 1484980.4/11

- sign 1841.386 $\pm$ 0.215 χ^2 /NDF: 784990.4/56

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 605.685 $\pm$ 172.477 χ^2 /NDF: 31.8/28

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF:62.3/24

Right Out: 687.028 $\pm$ 170.943 χ^2 /NDF: 87.8/33

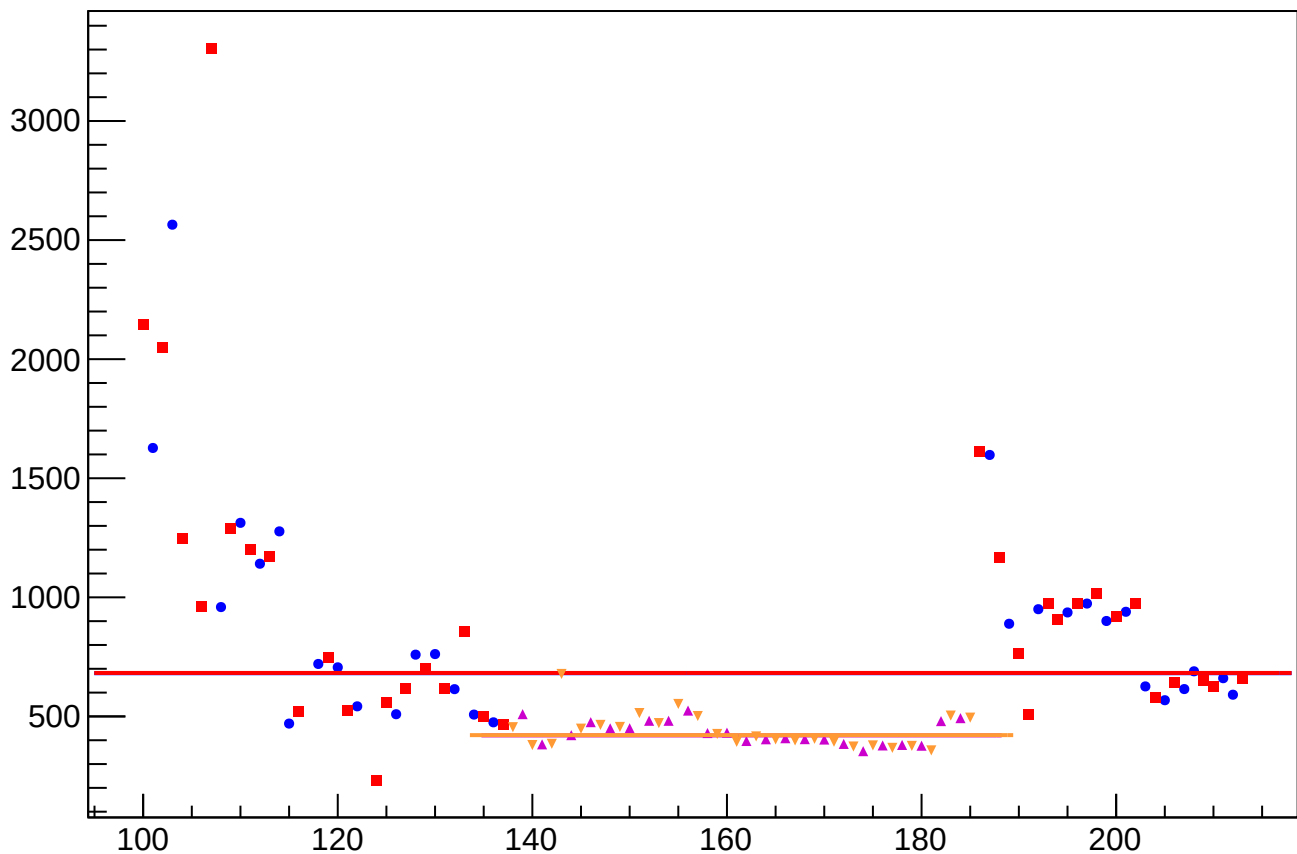
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF:31.1/22

+ sign 433.742 $\pm$ 84.556 χ^2 /NDF: 95.4/53

All: 309.067 $\pm$ 60.174 χ^2 /NDF: 230.4/110

- sign 181.133 $\pm$ 85.654 χ^2 /NDF: 130.6/56

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 681.368+/-0.122 χ^2/NDF : 3106686.6/28

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF : 4708655.9/33

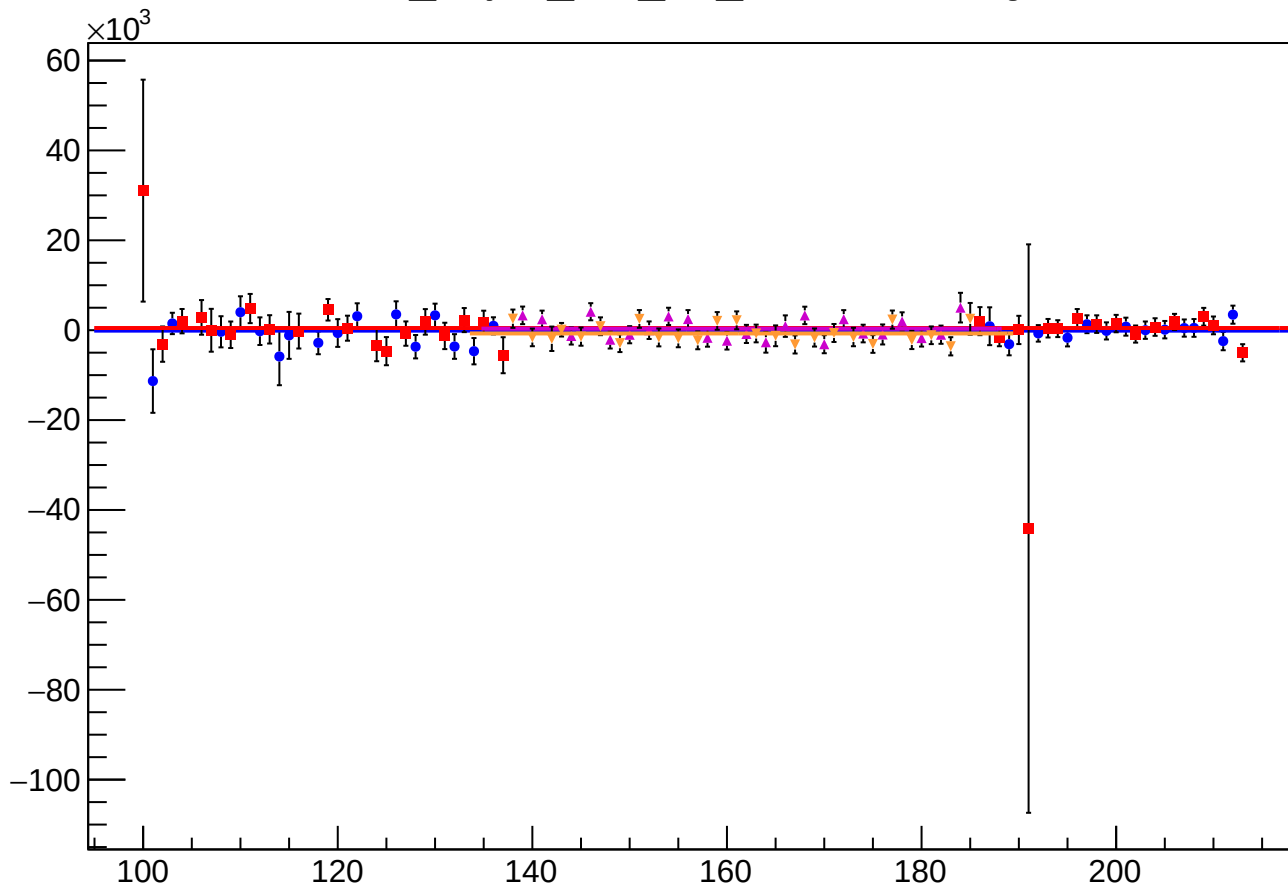
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 483.895+/-0.060 χ^2/NDF : 7300803.1/53

All: 484.973+/-0.043 χ^2/NDF : 15950569.3/11

- sign 486.079+/-0.061 χ^2/NDF : 8649107.9/56

dit_asym_at1_dd_mean vs Slug



Right In: -96.297 ± 449.022 χ^2/NDF : 24.8/28

Left Out: -724.527 ± 404.417 χ^2/NDF : 22.2/24

Right Out: 485.115 ± 434.292 χ^2/NDF : 30.3/33

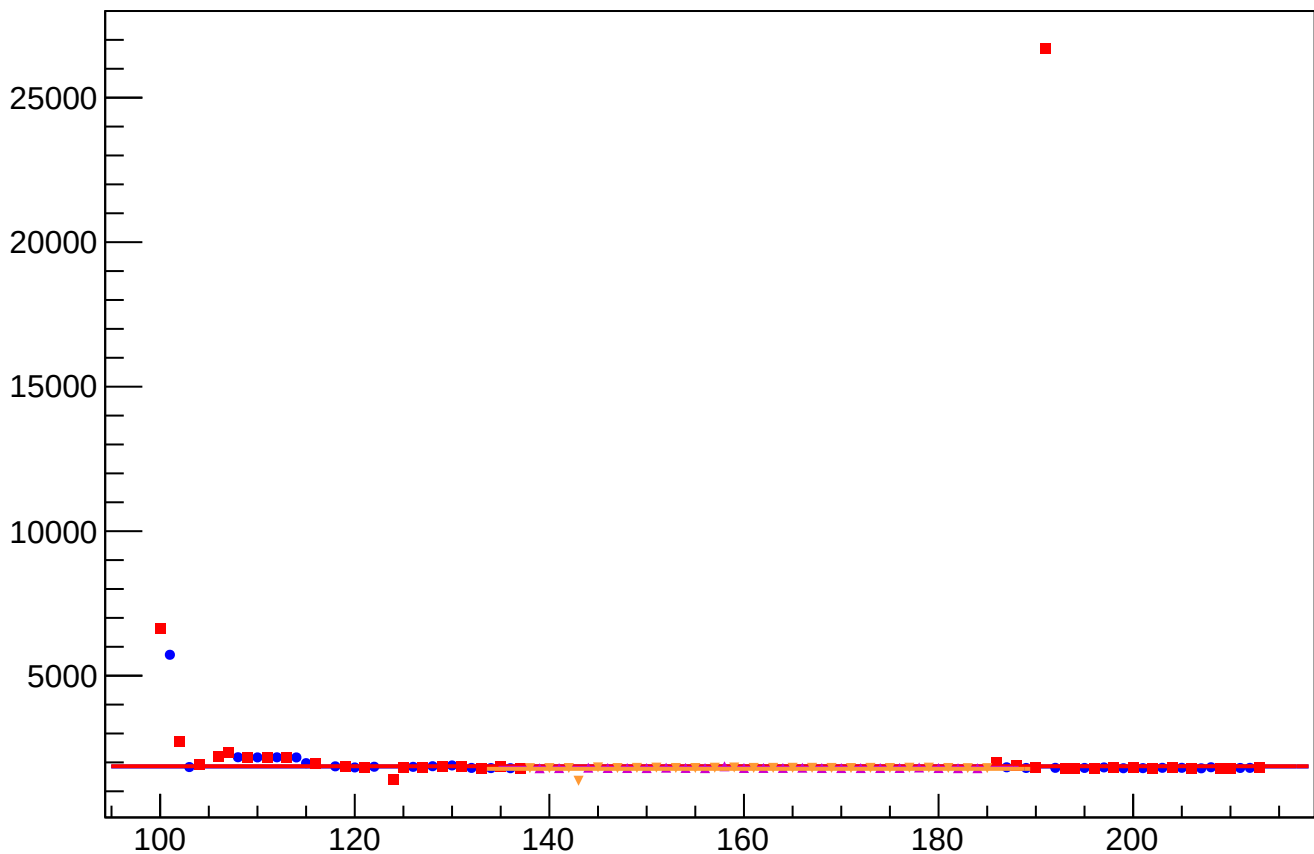
Left In: 341.223 ± 422.858 χ^2/NDF : 29.6/22

+ sign -443.156 ± 300.502 χ^2/NDF : 48.1/53

All: -19.444 ± 213.353 χ^2/NDF : 112.1/110

- sign 411.250 ± 302.967 χ^2/NDF : 60.0/56

dit_asym_at1_dd_rms vs Slug



Right In: 1857.340+/-0.318 χ^2/NDF : 676855.4/28

Left Out: 1776.721+/-0.286 χ^2/NDF : 161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF : 636011.7/33

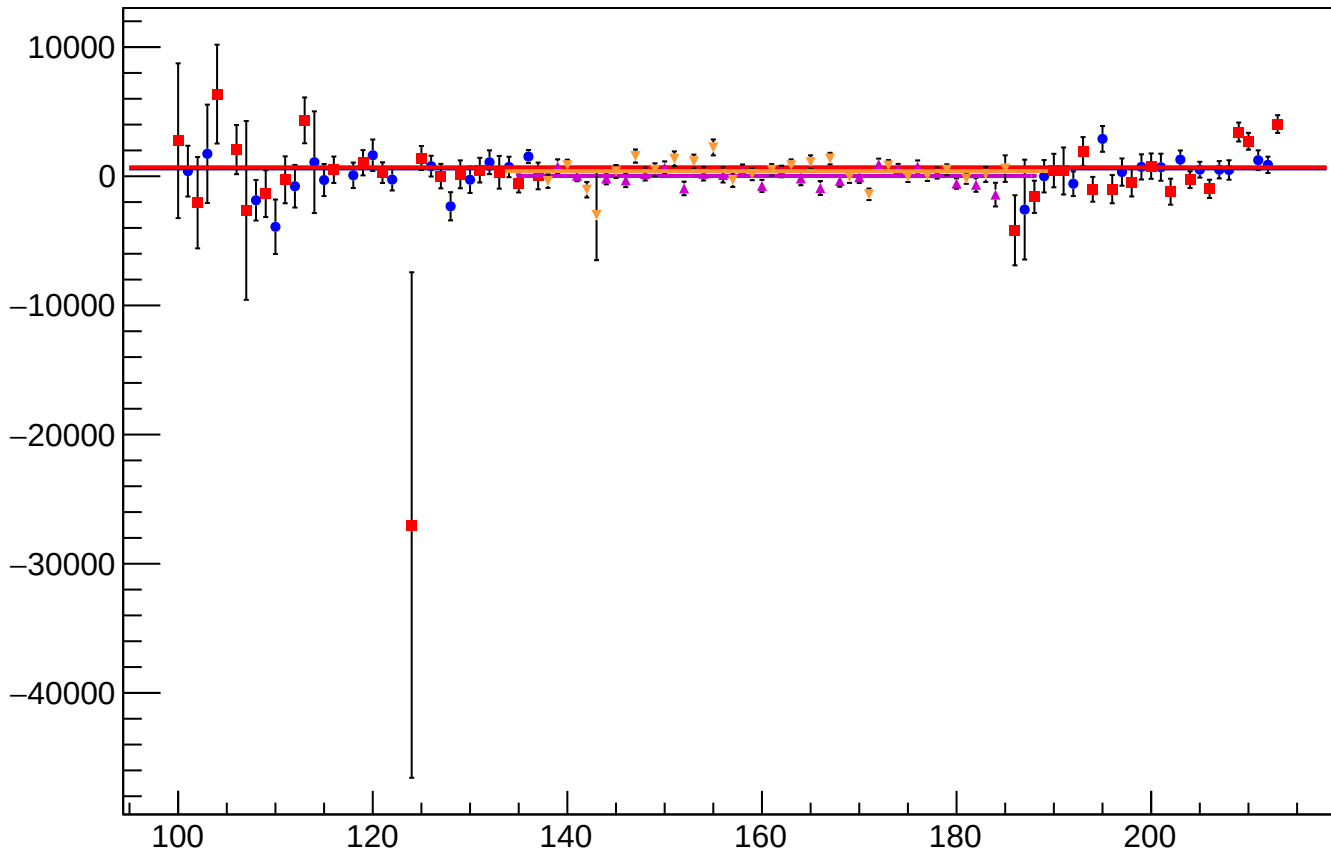
Left In: 1811.084+/-0.299 χ^2/NDF : 1965.1/22

+ sign 1812.829+/-0.212 χ^2/NDF : 873746.4/53

All: 1825.519+/-0.151 χ^2/NDF : 1536087.5/11

- sign 1838.418+/-0.214 χ^2/NDF : 655149.0/56

asym_at1_dd_dit_correction_mean vs Slug



Right In: 606.517 $\pm$ 172.269 χ^2 /NDF: 31.7/28

Left Out: 398.269 $\pm$ 99.165 χ^2 /NDF:60.5/24

Right Out: 694.556 $\pm$ 180.293 χ^2 /NDF: 89.9/33

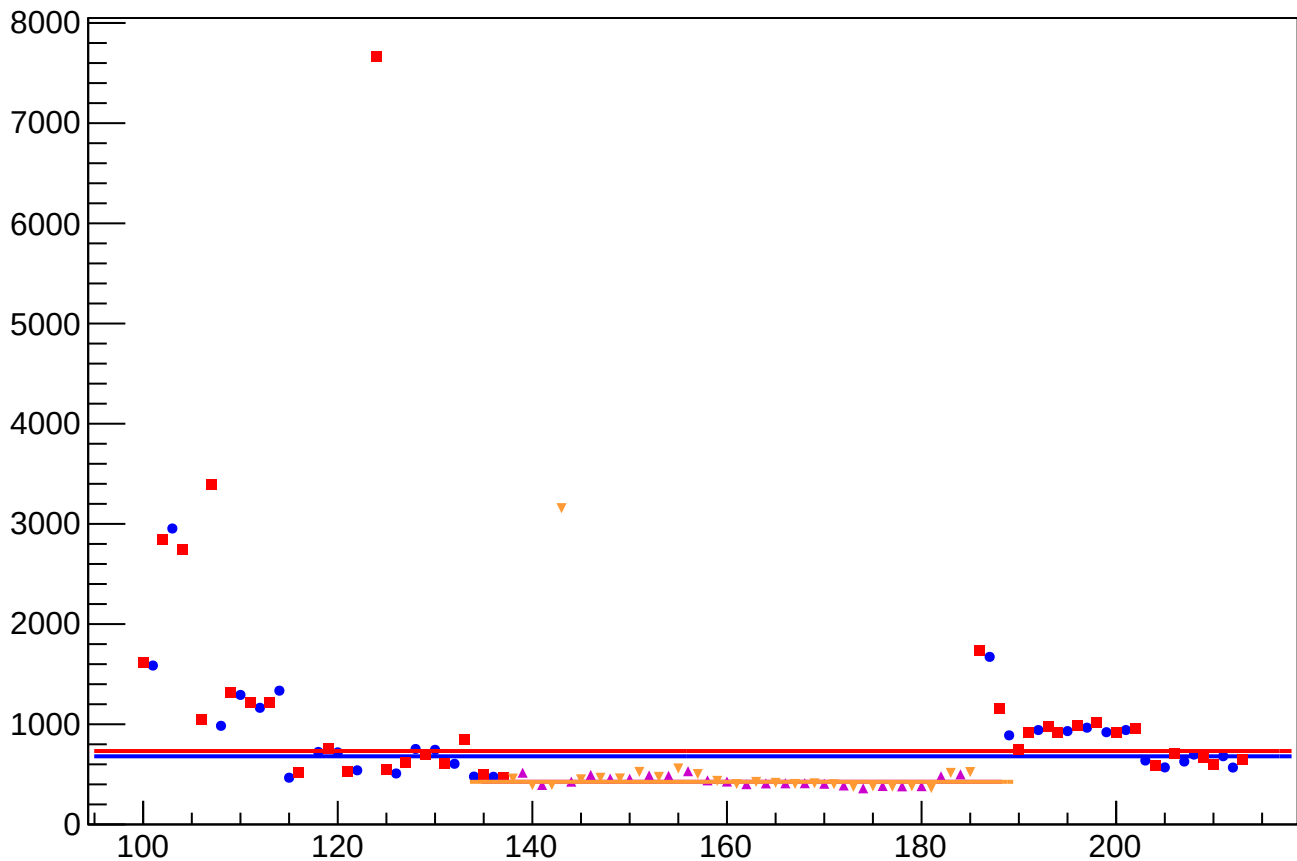
Left In: 21.453 $\pm$ 100.264 χ^2 /NDF:30.8/22

+ sign 450.099 $\pm$ 85.943 χ^2 /NDF: 93.3/53

All: 317.888 $\pm$ 61.357 χ^2 /NDF: 229.5/110

- sign 180.449 $\pm$ 87.626 χ^2 /NDF: 131.4/56

asym_at1_dd_dit_correction_rms vs Slug



Right In: 680.124+/-0.122 χ^2/NDF : 3313511.0/28

Left Out: 425.697+/-0.070 χ^2/NDF :1718145.2/24

Right Out: 733.007+/-0.127 χ^2/NDF : 4492779.1/33

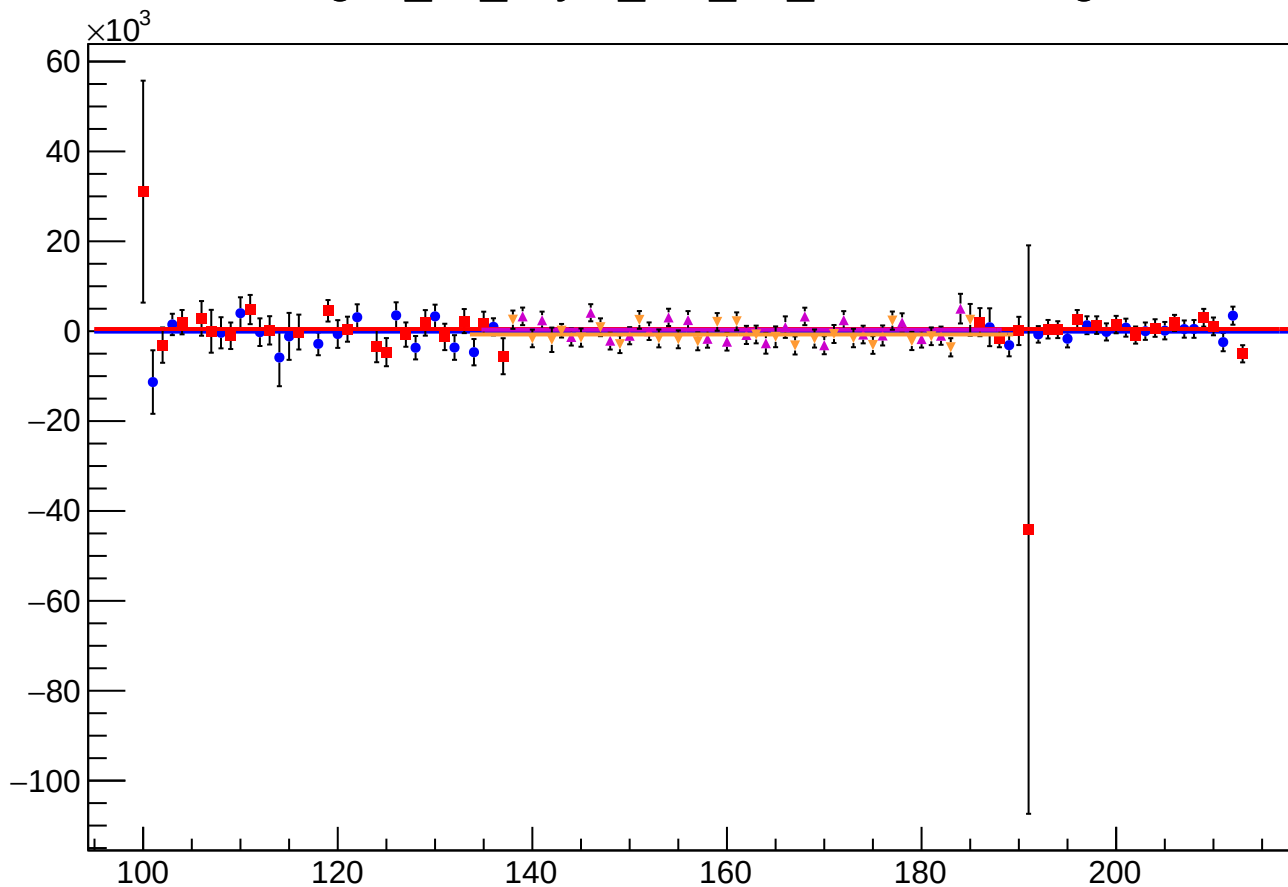
Left In: 426.144+/-0.071 χ^2/NDF :415411.7/22

+ sign 489.021+/-0.061 χ^2/NDF : 8308455.9/53

All: 493.732+/-0.043 χ^2/NDF : 17654091.8/1

- sign 498.629+/-0.062 χ^2/NDF : 9333379.3/56

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -96.298 $\pm$ 449.022 χ^2 /NDF: 24.8/28

Left Out: -724.528 $\pm$ 404.417 χ^2 /NDF: 22.2/24

Right Out: 485.113 $\pm$ 434.292 χ^2 /NDF: 30.3/33

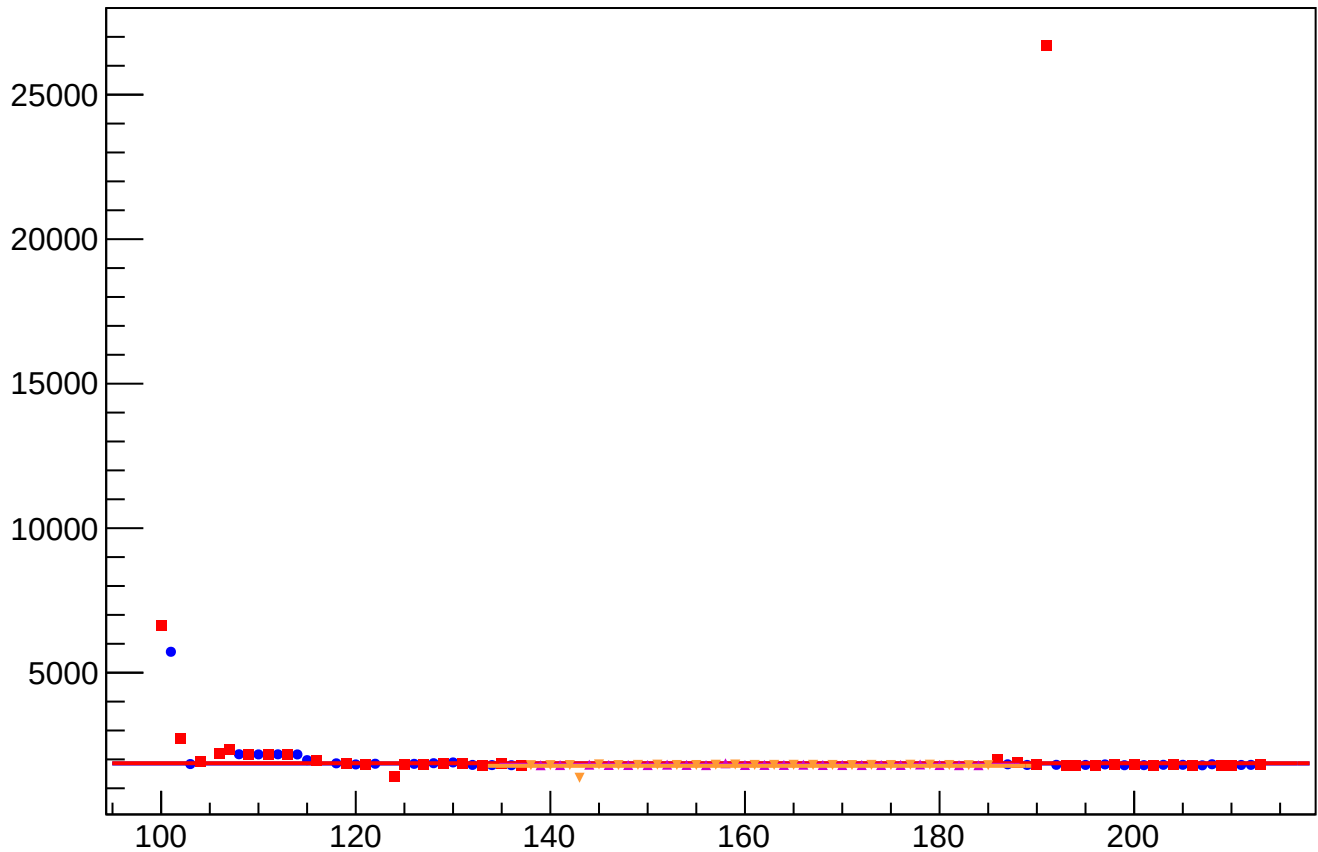
Left In: 341.223 $\pm$ 422.858 χ^2 /NDF: 29.6/22

+ sign -443.157 $\pm$ 300.502 χ^2 /NDF: 48.1/53

All: -19.445 $\pm$ 213.353 χ^2 /NDF: 112.1/110

- sign 411.249 $\pm$ 302.967 χ^2 /NDF: 60.0/56

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1857.340+/-0.318 χ^2/NDF : 676855.4/28

Left Out: 1776.721+/-0.286 χ^2/NDF : 161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF : 636011.5/33

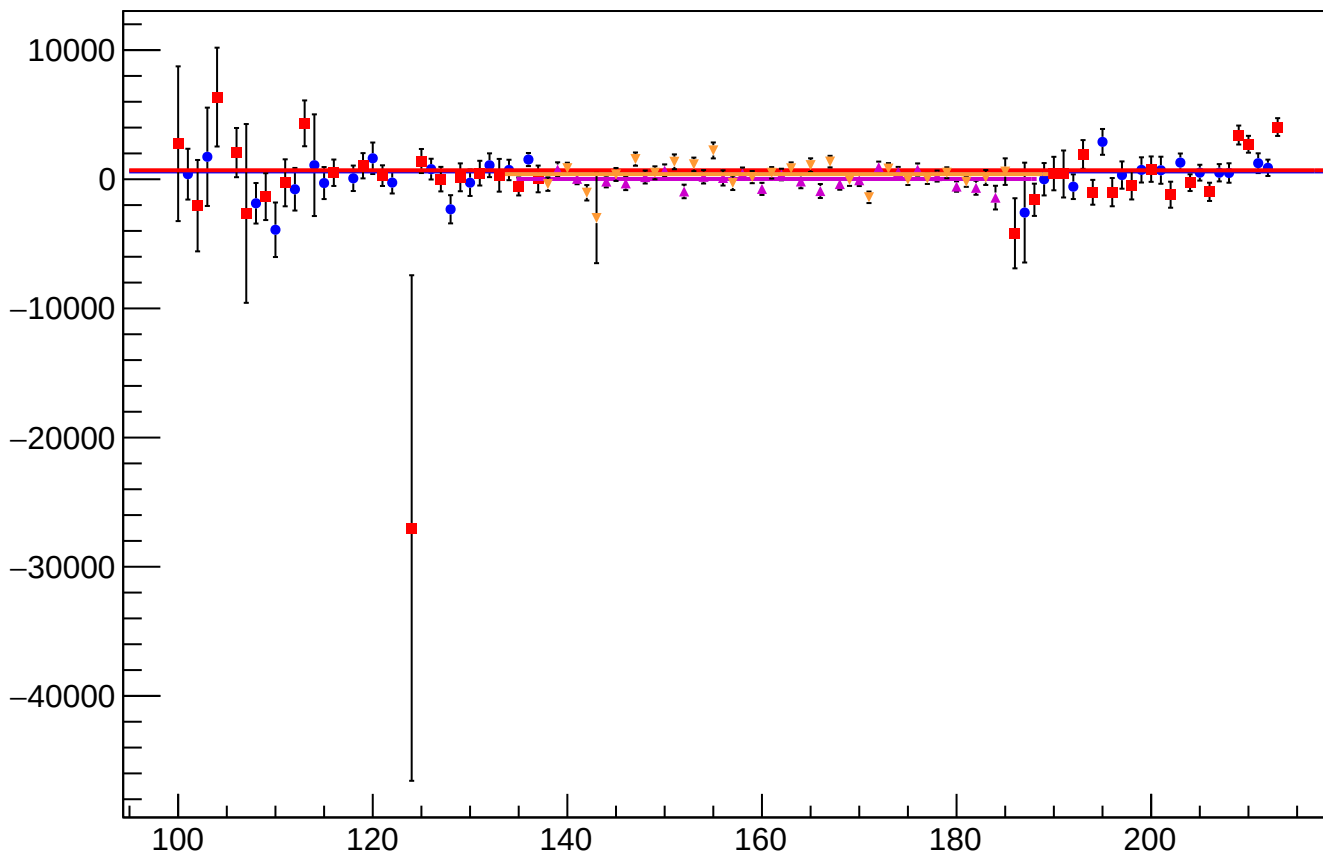
Left In: 1811.084+/-0.299 χ^2/NDF : 1965.1/22

+ sign 1812.829+/-0.212 χ^2/NDF : 873746.4/53

All: 1825.519+/-0.151 χ^2/NDF : 1536087.3/111

- sign 1838.418+/-0.214 χ^2/NDF : 655148.8/56

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 606.516 ± 172.269 χ^2/NDF : 31.7/28

Left Out: 398.268 ± 99.165 χ^2/NDF : 60.5/24

Right Out: 694.554 ± 180.293 χ^2/NDF : 89.9/33

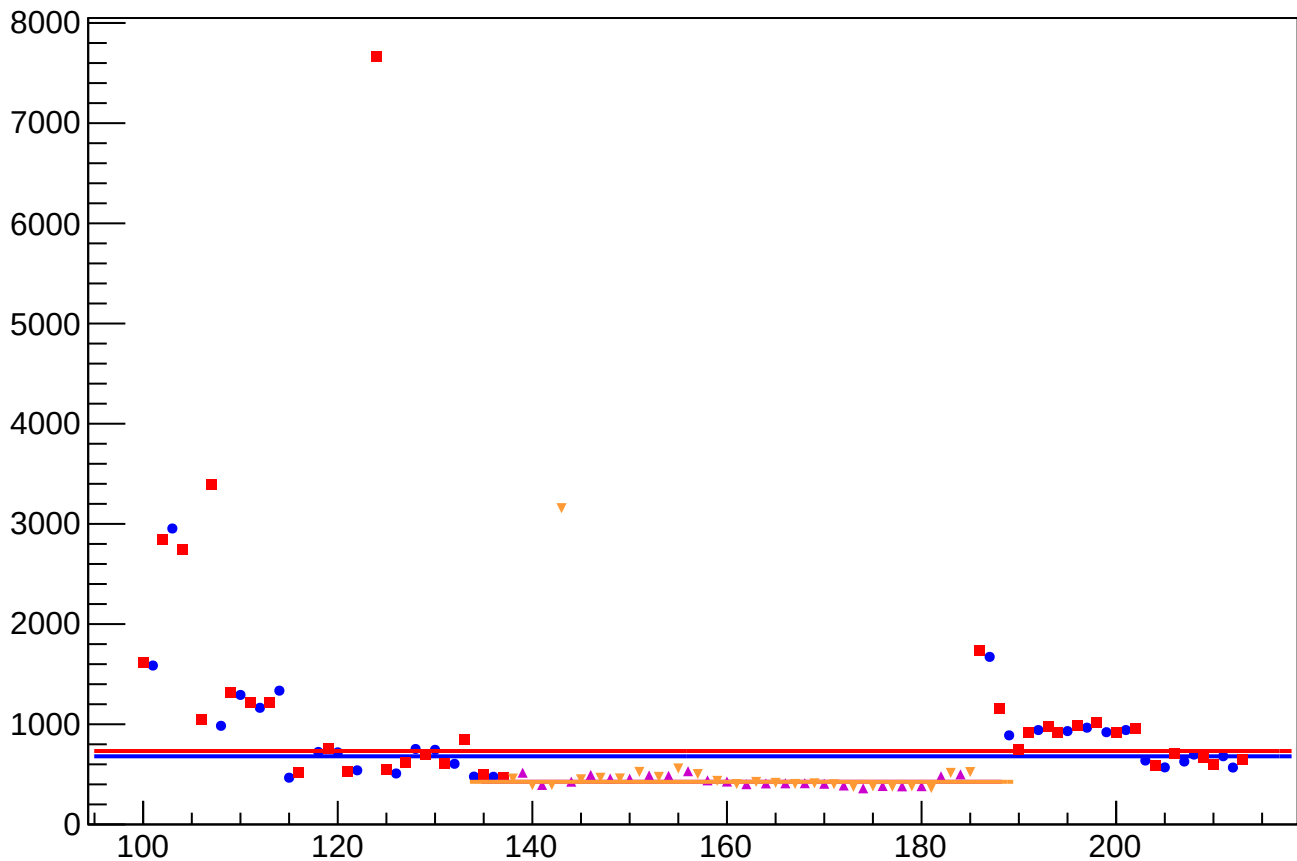
Left In: 21.452 ± 100.264 χ^2/NDF : 30.8/22

+ sign 450.099 ± 85.943 χ^2/NDF : 93.3/53

All: 317.887 ± 61.357 χ^2/NDF : 229.5/110

- sign 180.447 ± 87.626 χ^2/NDF : 131.4/56

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 680.125+/-0.122 χ^2/NDF : 3313510.6/28

Left Out: 425.696+/-0.070 χ^2/NDF :1718147.9/24

Right Out: 733.008+/-0.127 χ^2/NDF : 4492776.5/33

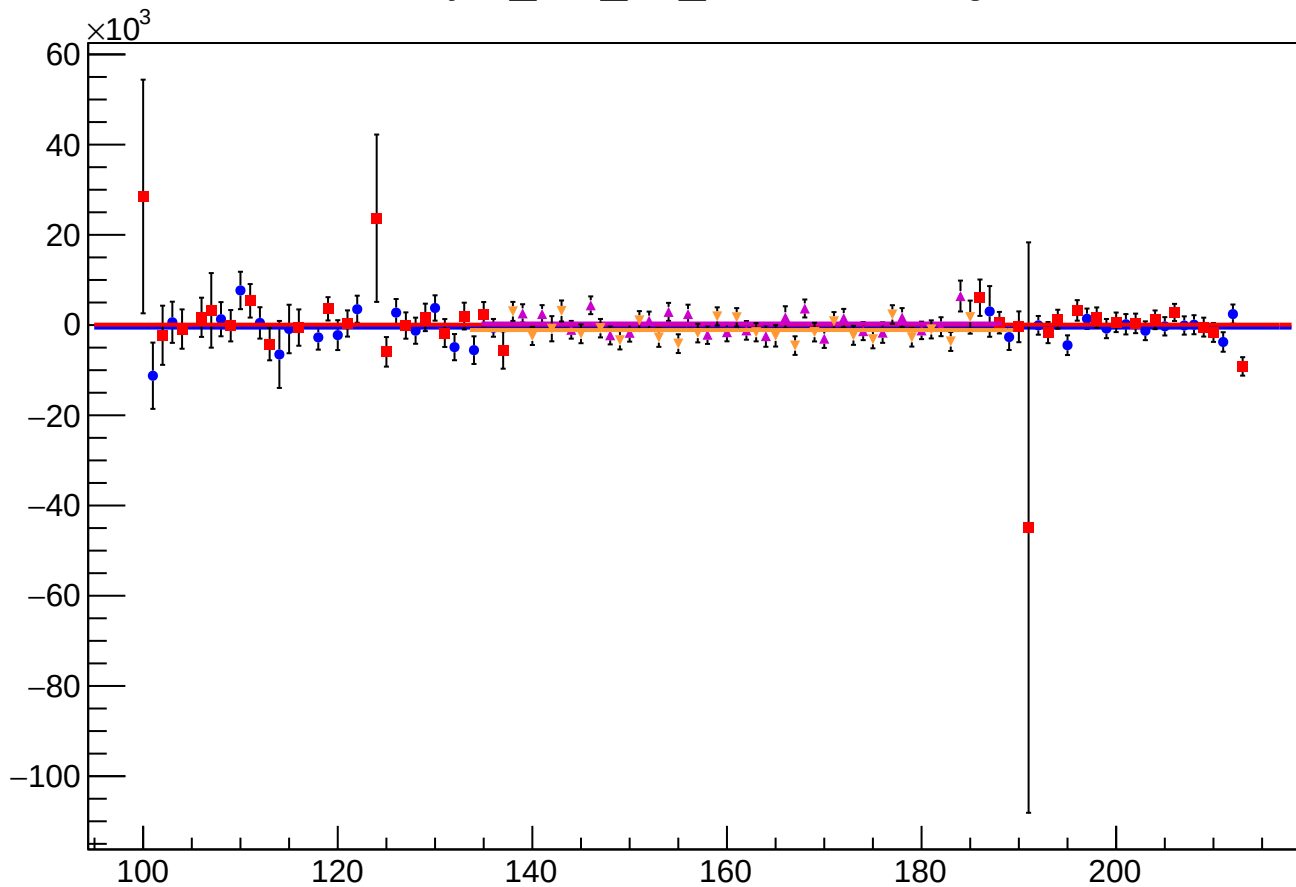
Left In: 426.144+/-0.071 χ^2/NDF :415415.2/22

+ sign 489.021+/-0.061 χ^2/NDF : 8308470.1/53

All: 493.732+/-0.043 χ^2/NDF : 17654123.5/1

- sign 498.629+/-0.062 χ^2/NDF : 9333396.5/56

asym_at1_dd_mean vs Slug



Right In: -559.551 ± 494.632 χ^2/NDF : 27.9/28

Left Out: -1105.791 ± 424.648 χ^2/NDF : 28.0/24

Right Out: 89.826 ± 488.230 χ^2/NDF : 45.3/33

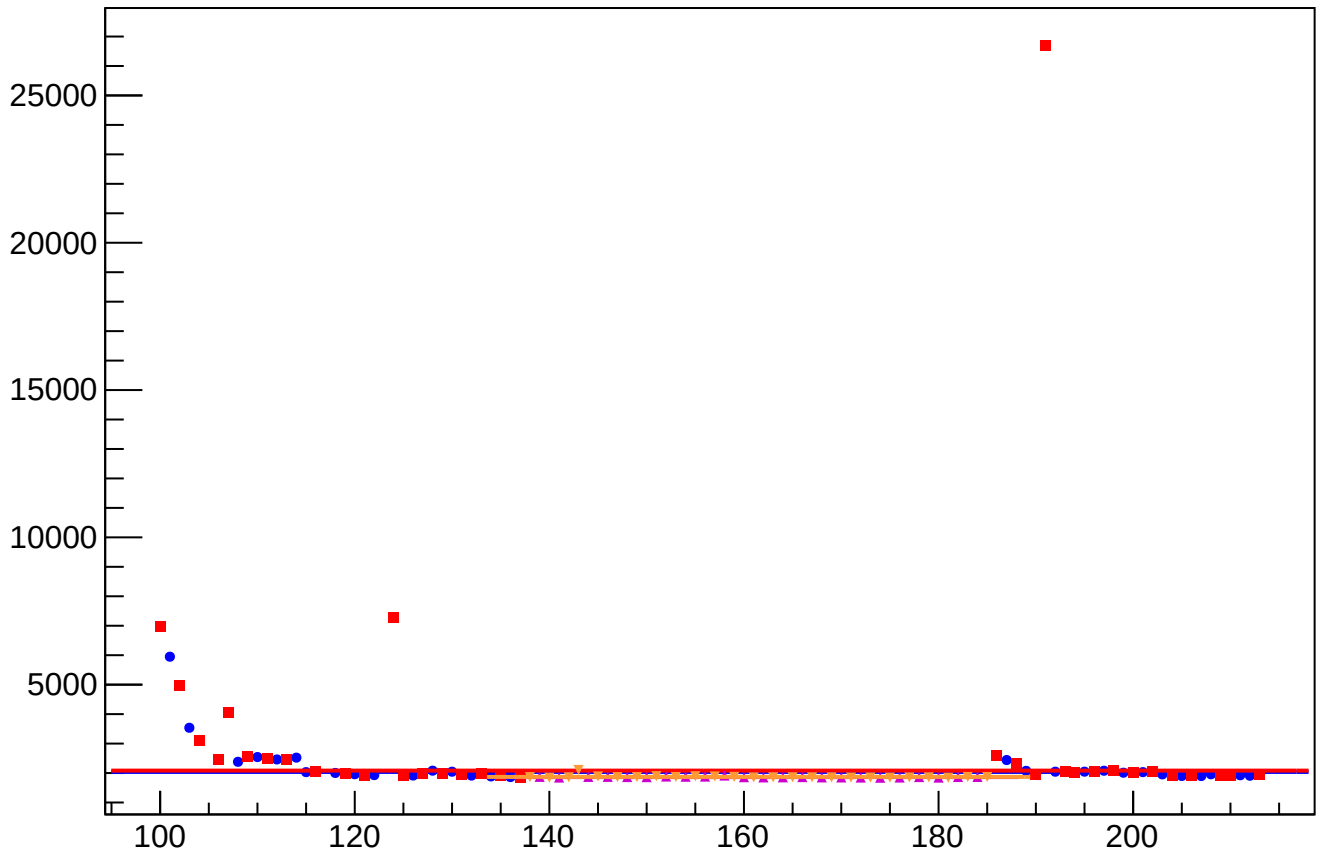
Left In: 346.936 ± 434.947 χ^2/NDF : 28.8/22

+ sign -874.016 ± 322.199 χ^2/NDF : 56.6/53

All: -324.813 ± 228.731 χ^2/NDF : 136.7/110

- sign 233.171 ± 324.764 χ^2/NDF : 74.2/56

asym_at1_dd_rms vs Slug



Right In: 2037.494+/-0.350 χ^2/NDF : 948220.0/28

Left Out: 1868.941+/-0.300 χ^2/NDF : 23314.7/24

Right Out: 2082.248+/-0.345 χ^2/NDF : 1403582.6/33

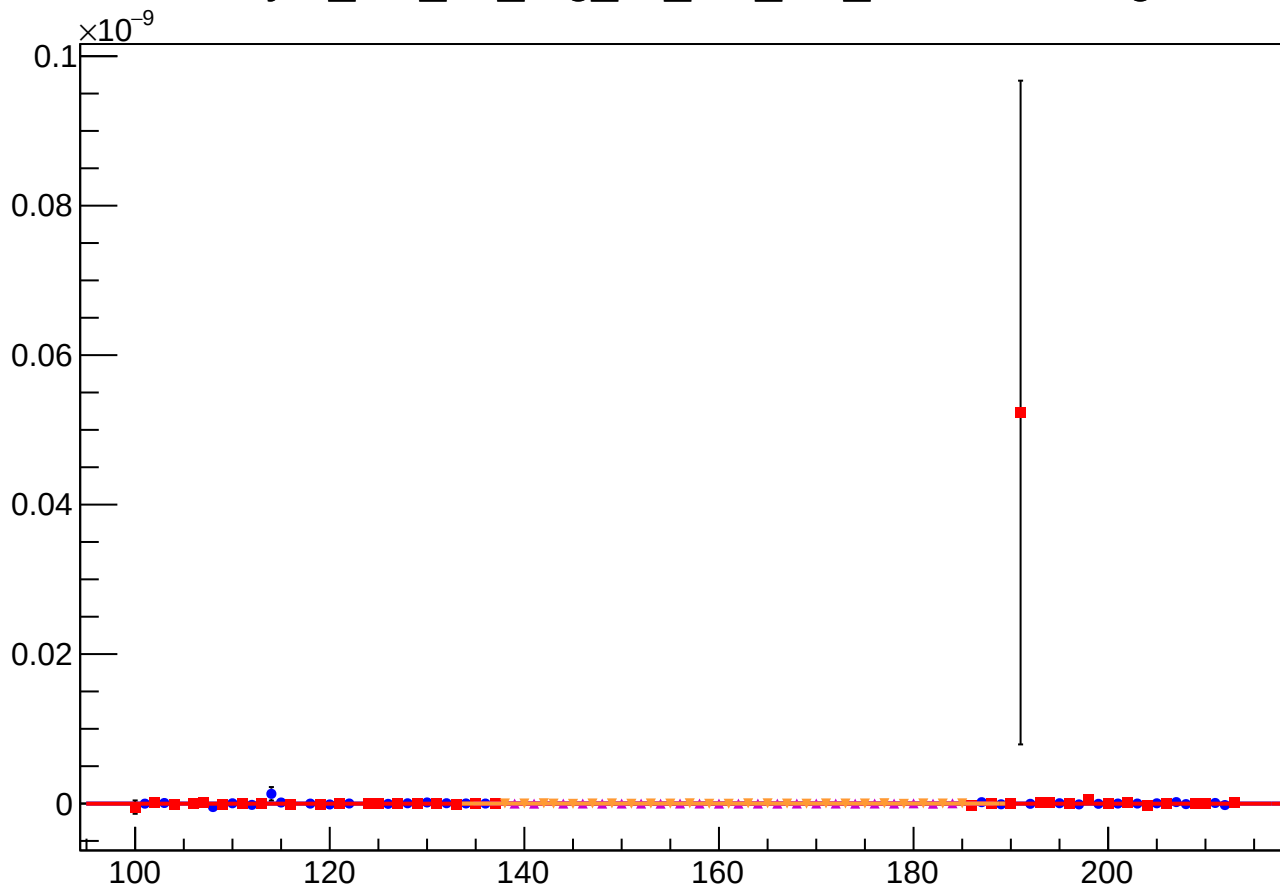
Left In: 1862.828+/-0.308 χ^2/NDF : 2714.5/22

+ sign 1940.460+/-0.228 χ^2/NDF : 1105234.0/53

All: 1950.111+/-0.162 χ^2/NDF : 2740363.9/11

- sign 1959.916+/-0.230 χ^2/NDF : 1631512.3/56

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 42.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.0/33

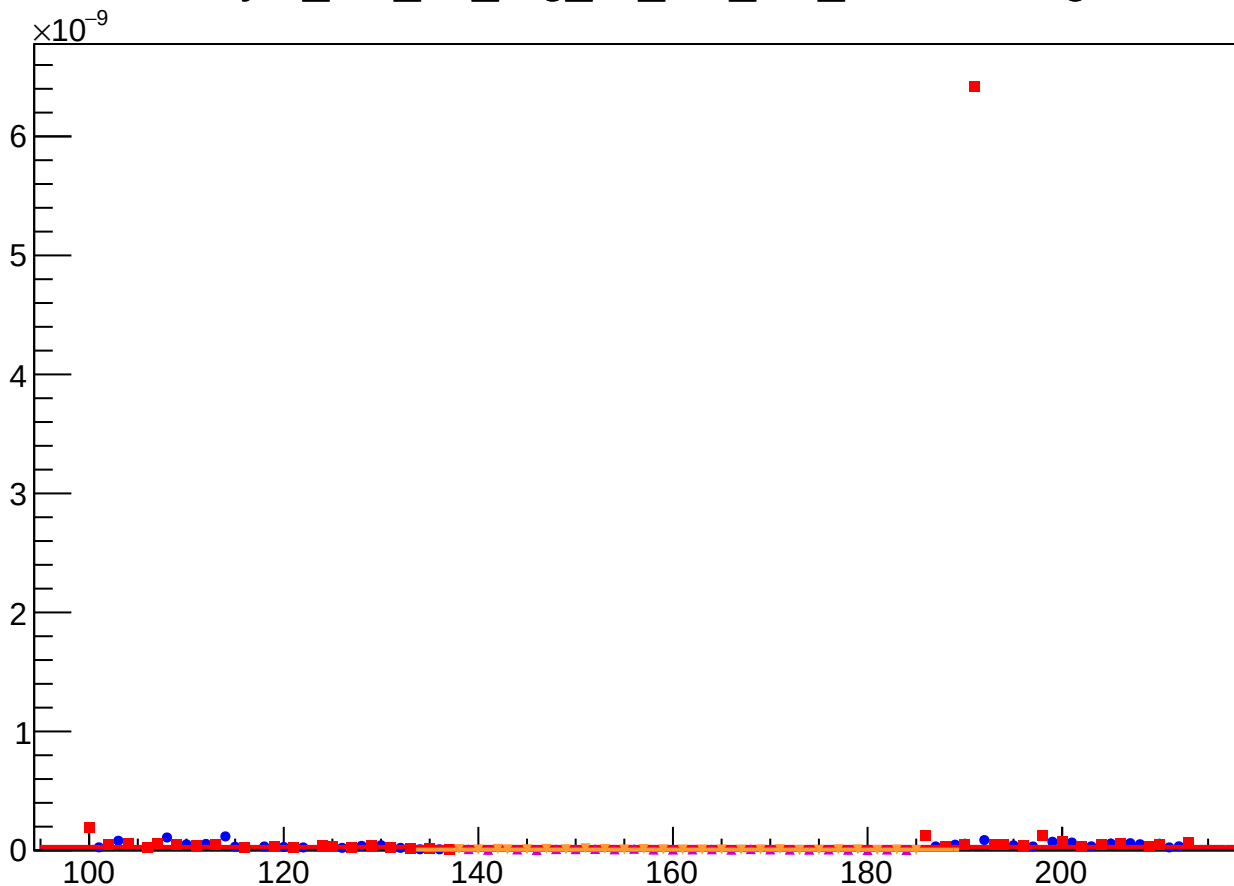
Left In: 0.000 ± 0.000 χ^2/NDF : 17.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 78.9/53

All: 0.000 ± 0.000 χ^2/NDF : 133.5/110

- sign 0.000 ± 0.000 χ^2/NDF : 54.0/56

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5185612.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3721534.7/33

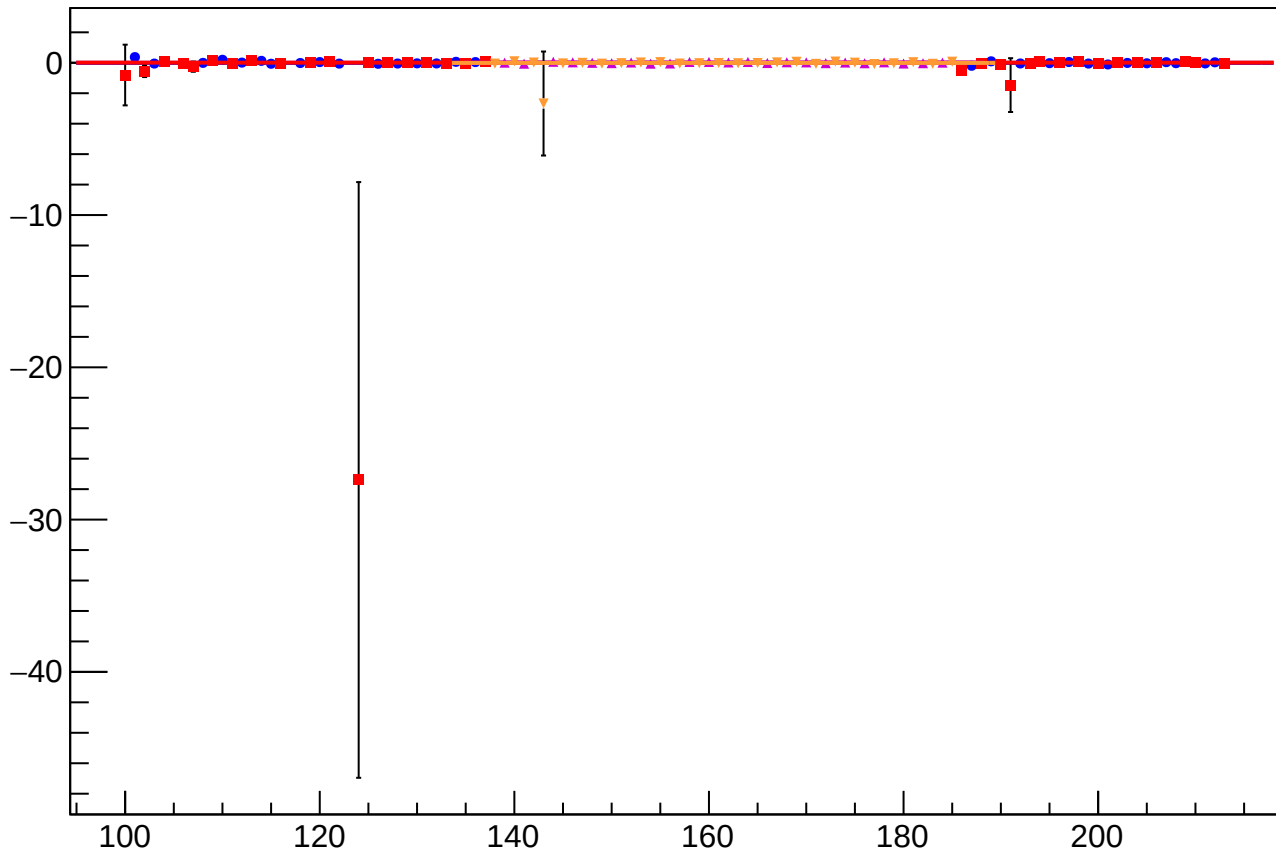
Left In: 0.000+/-0.000 χ^2/NDF : 1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10516062.1/53

All: 0.000+/-0.000 χ^2/NDF : 21566954.6/110

- sign 0.000+/-0.000 χ^2/NDF : 11047087.3/56

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 29.4/28

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.008 ± 0.011 χ^2/NDF : 28.2/33

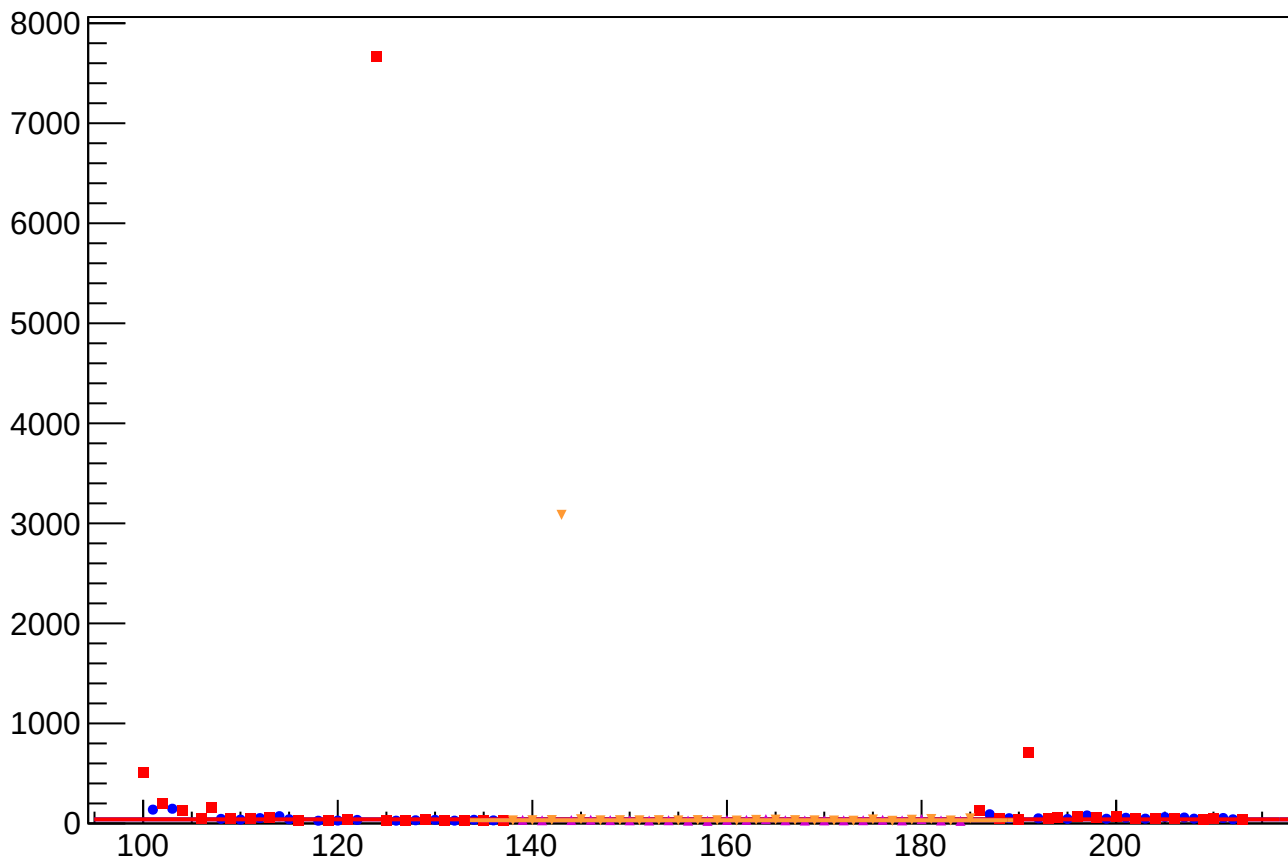
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.009 ± 0.007 χ^2/NDF : 69.0/53

All: -0.002 ± 0.005 χ^2/NDF : 120.3/110

- sign 0.005 ± 0.007 χ^2/NDF : 49.1/56

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.207 $\pm$ 0.008 χ^2 /NDF: 3355657.0/28

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 40.895 $\pm$ 0.008 χ^2 /NDF: 4355612.3/33

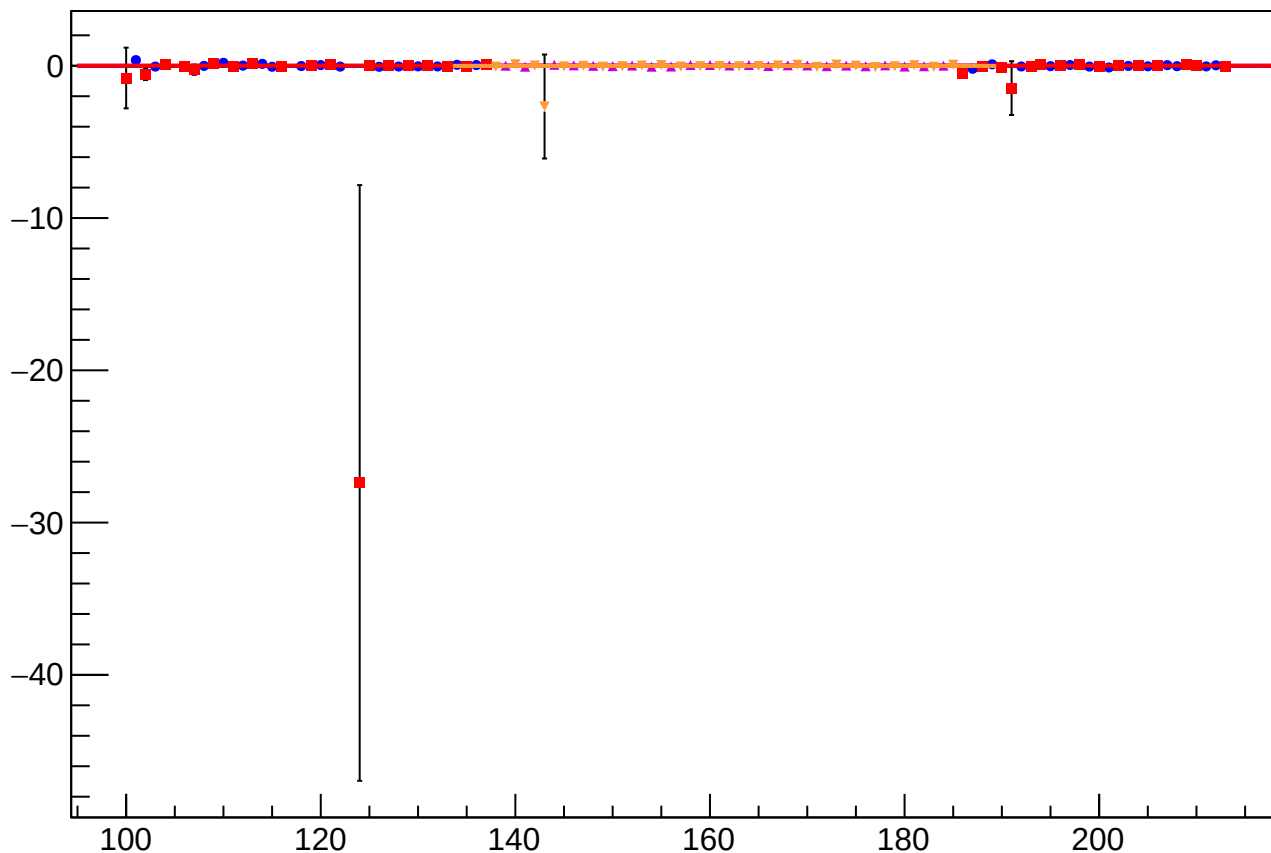
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 35.367 $\pm$ 0.005 χ^2 /NDF: 6290910.8/53

All: 35.410 $\pm$ 0.003 χ^2 /NDF: 11820672.5/110

- sign 35.452 $\pm$ 0.005 χ^2 /NDF: 5529597.1/56

asym at1 dd dit vs eigen cor diff mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 29.4/28

Left Out: -0.010 ± 0.008 $\chi^2/\text{NDF}: 39.5/24$

Right Out: 0.008+/-0.011 χ^2/NDF : 28.2/33

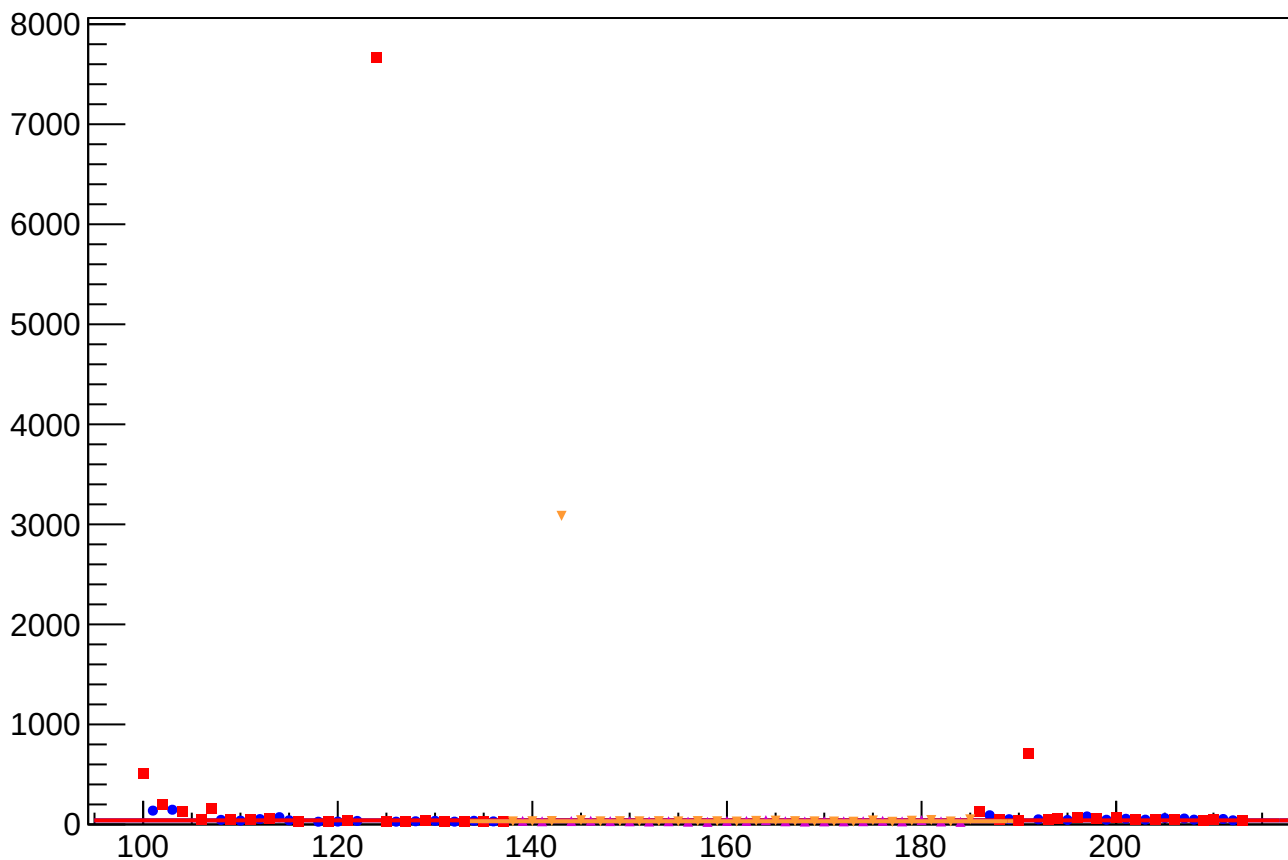
Left In: 0.004+/-0.008 χ^2/NDF :20.8/22

+ sign -0.009+/-0.007 χ^2/NDF : 69.0/53

All: -0.002 ± 0.005 χ^2/NDF : 120.3/110

- sign 0.005+/-0.007 χ^2/NDF : 49.1/56

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.207 $\pm$ 0.008 χ^2/NDF : 3355657.0/28

Left Out: 32.277 $\pm$ 0.006 χ^2/NDF : 2120929.6/24

Right Out: 40.895 $\pm$ 0.008 χ^2/NDF : 4355612.3/33

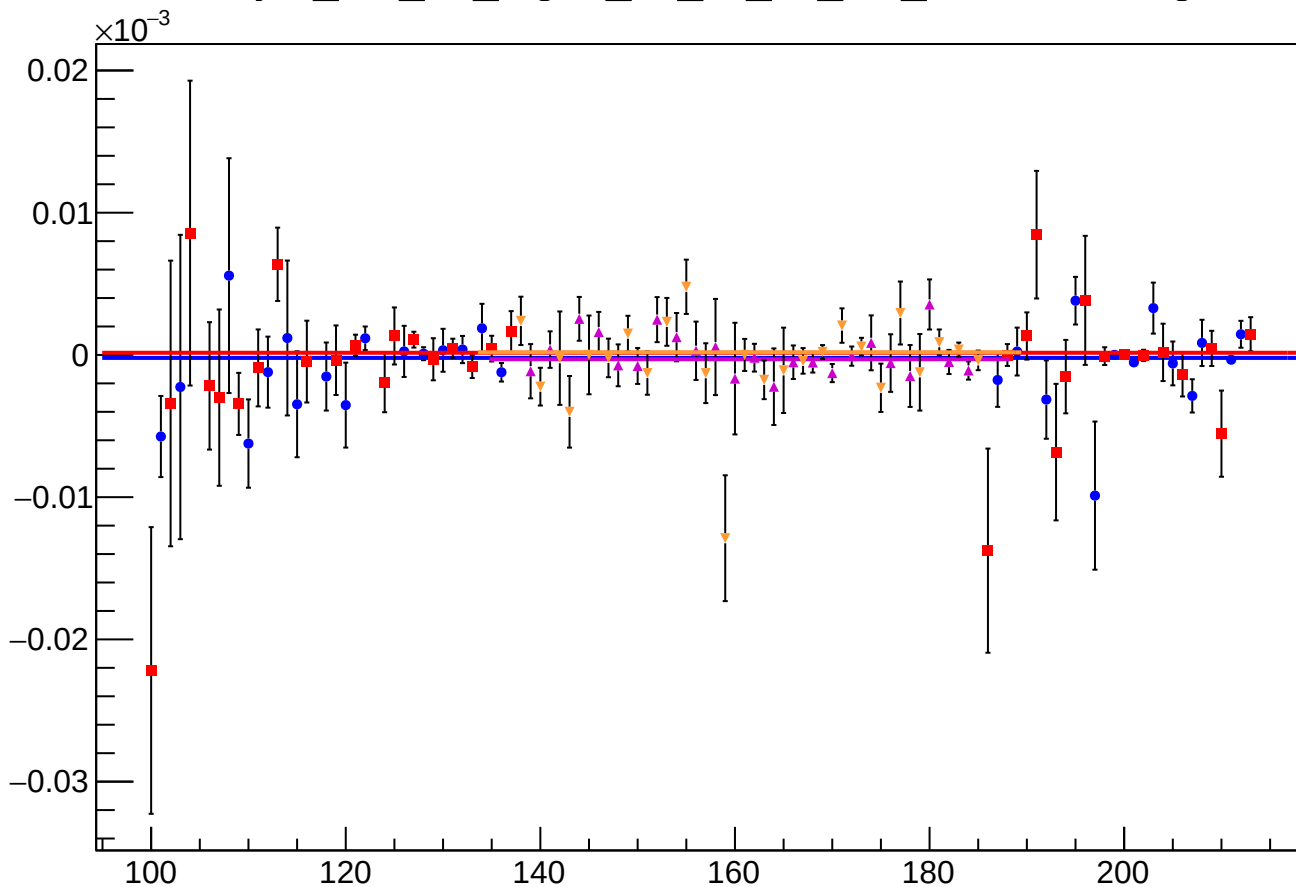
Left In: 32.421 $\pm$ 0.006 χ^2/NDF : 426084.8/22

+ sign 35.367 $\pm$ 0.005 χ^2/NDF : 6290910.8/53

All: 35.410 $\pm$ 0.003 χ^2/NDF : 11820672.5/110

- sign 35.452 $\pm$ 0.005 χ^2/NDF : 5529597.1/56

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 43.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.7/33

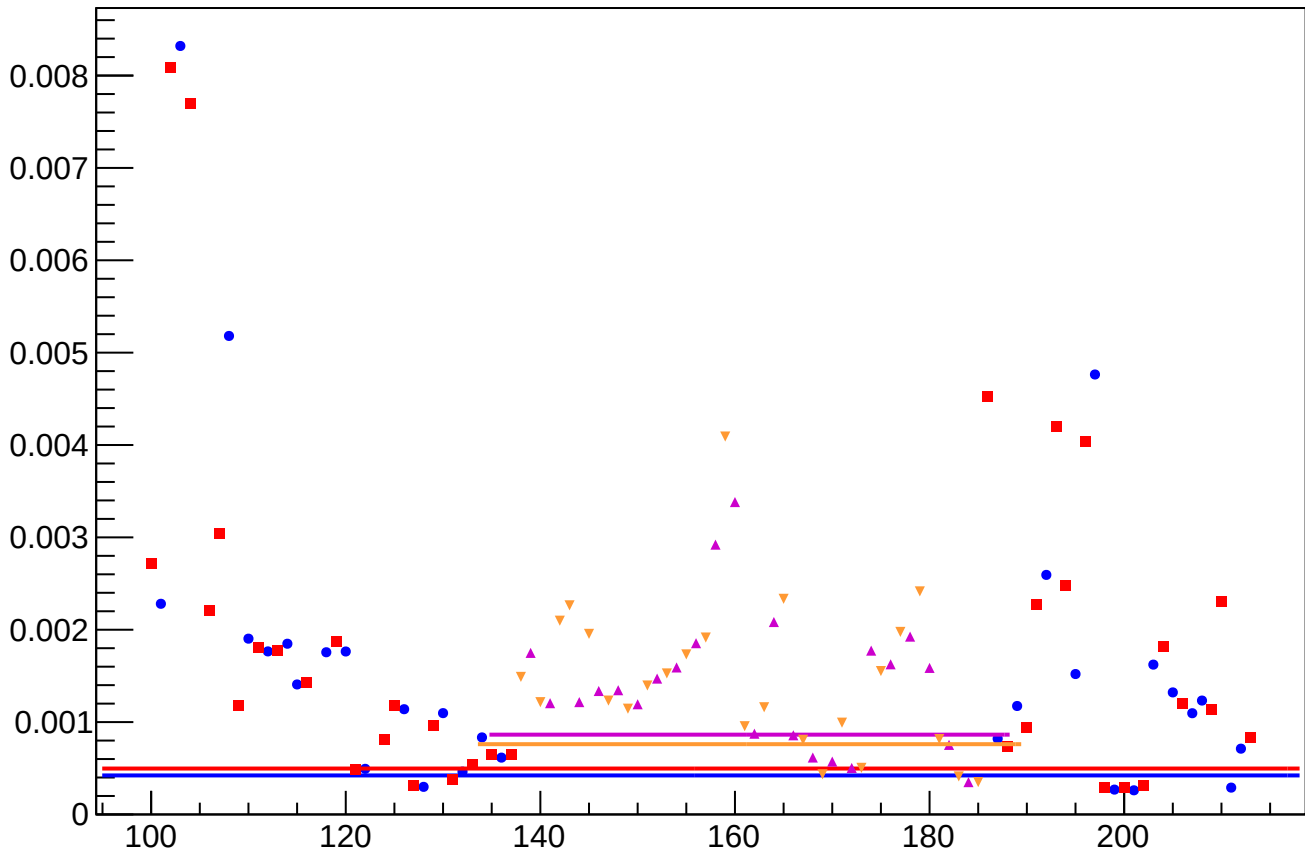
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 83.7/53

All: -0.000 ± 0.000 χ^2/NDF : 146.3/110

- sign 0.000 ± 0.000 χ^2/NDF : 62.4/56

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14520877.6/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:11085699.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14741885.2/33

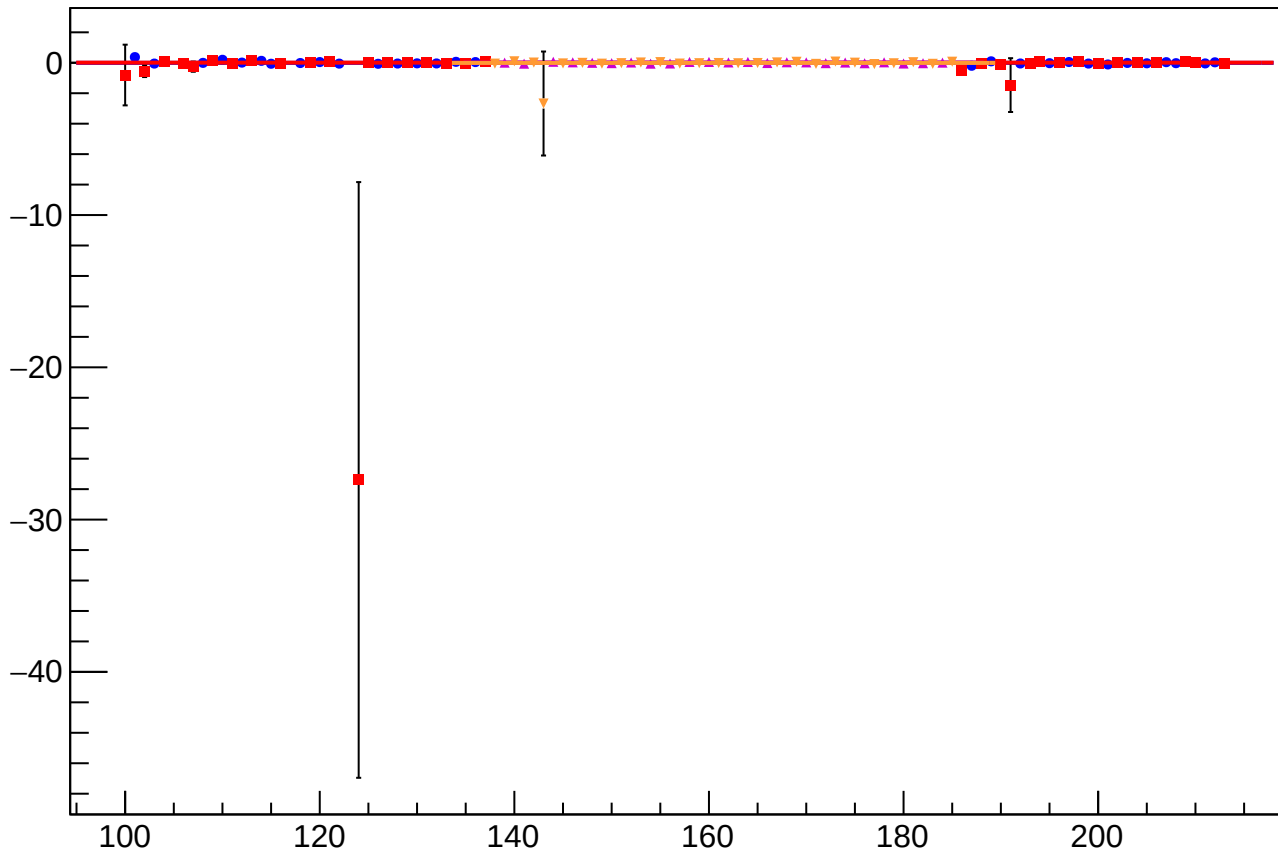
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8440059.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 29103669.5/53

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 55933209.3/110

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 26351730.3/56

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 29.4/28

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.008 ± 0.011 χ^2/NDF : 28.2/33

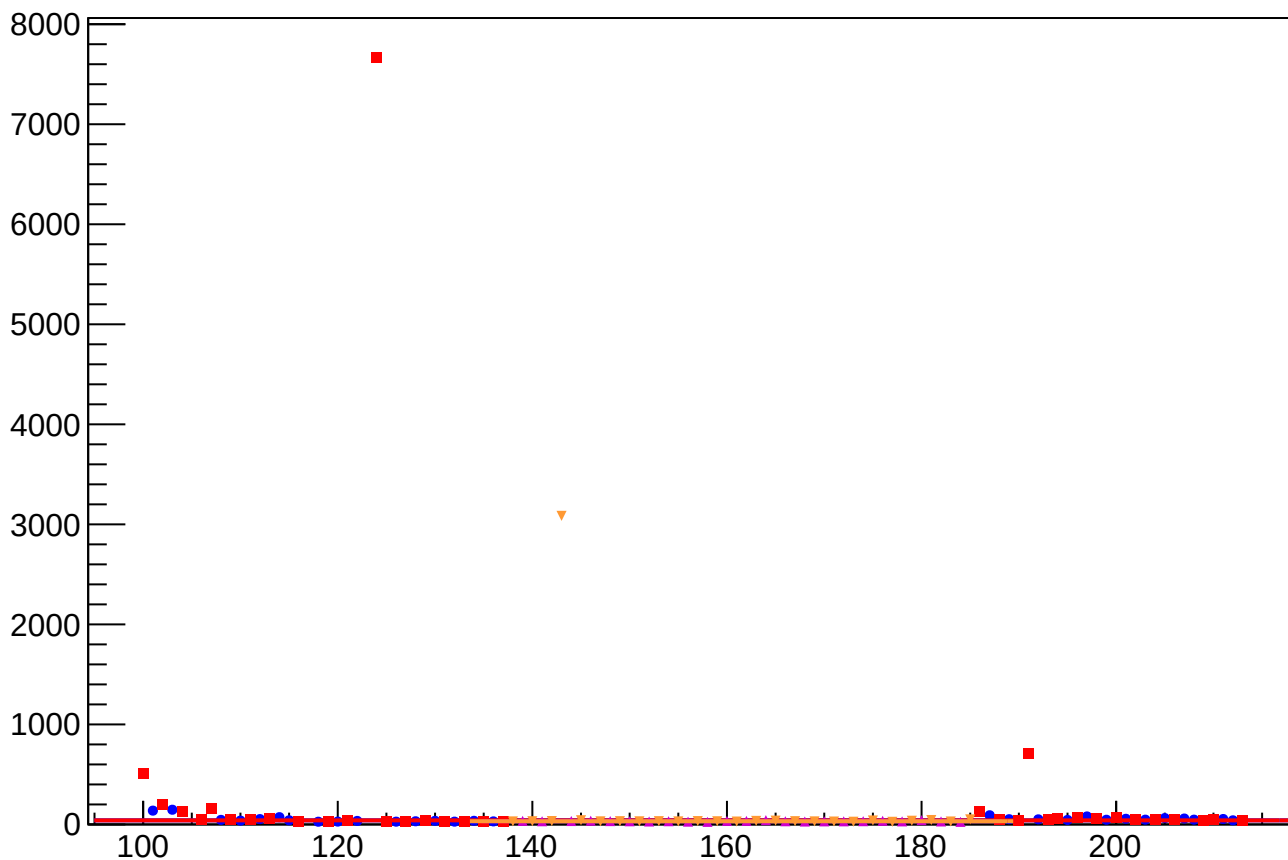
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.009 ± 0.007 χ^2/NDF : 69.0/53

All: -0.002 ± 0.005 χ^2/NDF : 120.3/110

- sign 0.005 ± 0.007 χ^2/NDF : 49.1/56

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.207 $\pm$ 0.008 χ^2/NDF : 3355650.9/28

Left Out: 32.277 $\pm$ 0.006 χ^2/NDF : 2120971.9/24

Right Out: 40.895 $\pm$ 0.008 χ^2/NDF : 4355626.6/33

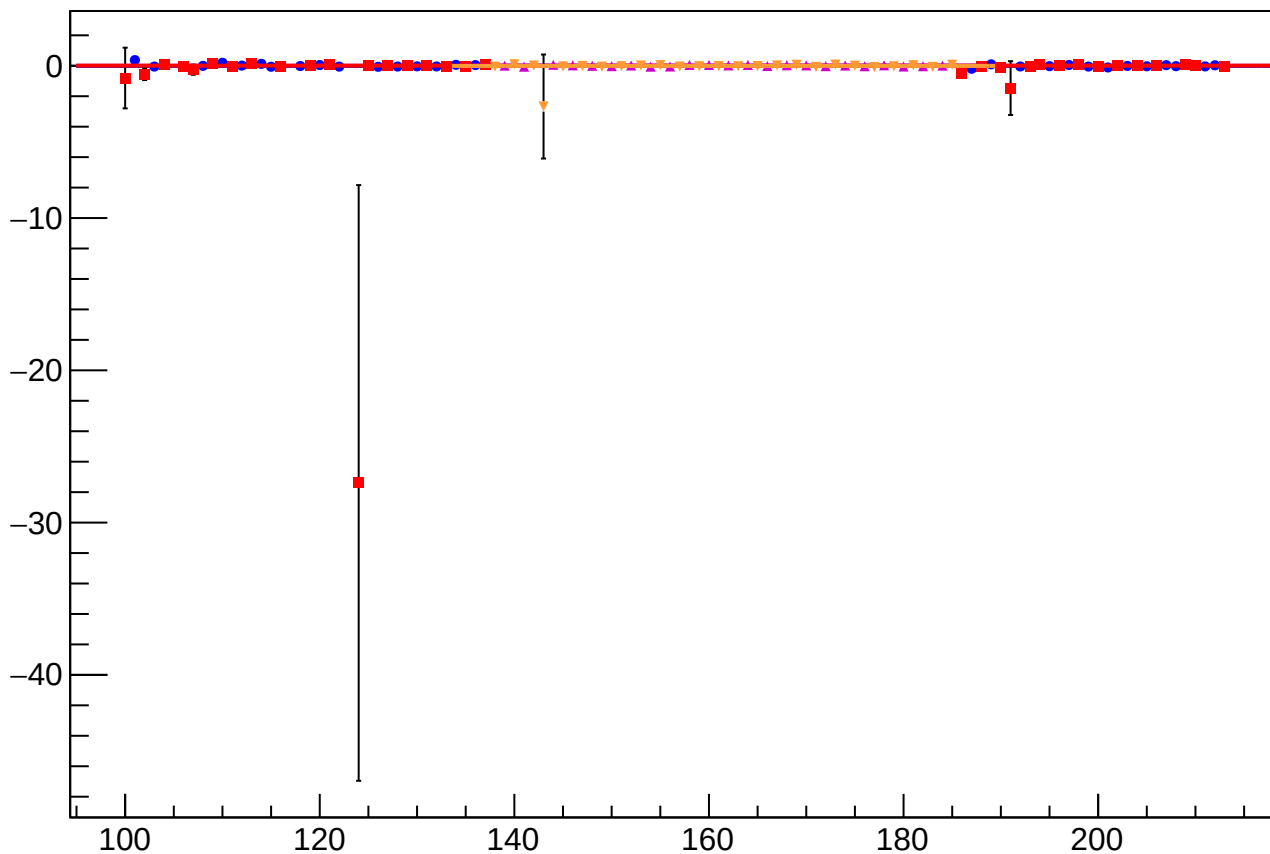
Left In: 32.422 $\pm$ 0.006 χ^2/NDF : 426001.5/22

+ sign 35.367 $\pm$ 0.005 χ^2/NDF : 6290963.6/53

All: 35.410 $\pm$ 0.003 χ^2/NDF : 11820618.6/110

- sign 35.453 $\pm$ 0.005 χ^2/NDF : 5529489.5/56

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.011 χ^2/NDF : 29.4/28

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.008 ± 0.011 χ^2/NDF : 28.2/33

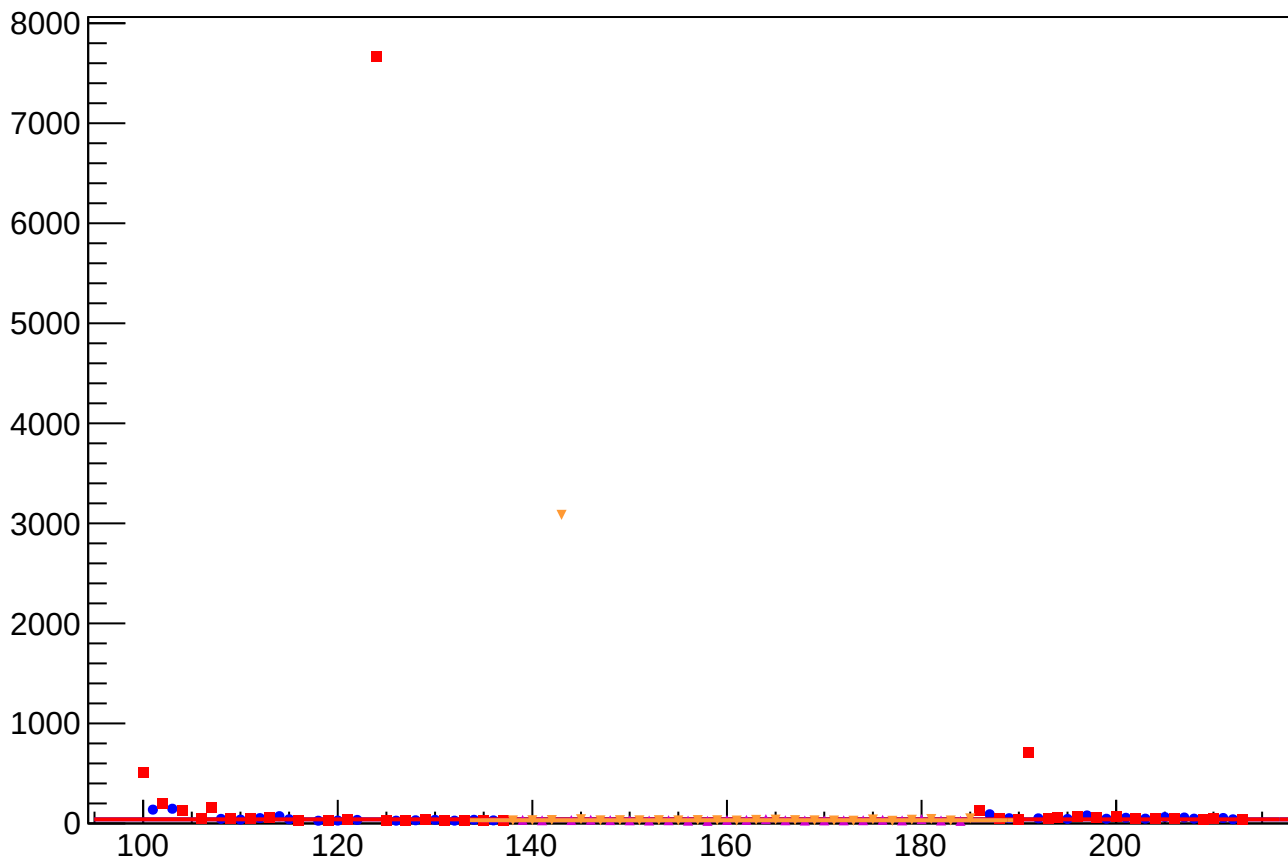
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.009 ± 0.007 χ^2/NDF : 69.0/53

All: -0.002 ± 0.005 χ^2/NDF : 120.3/110

- sign 0.005 ± 0.007 χ^2/NDF : 49.1/56

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.207 $\pm$ 0.008 χ^2 /NDF: 3355650.9/28

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120971.9/24

Right Out: 40.895 $\pm$ 0.008 χ^2 /NDF: 4355626.6/33

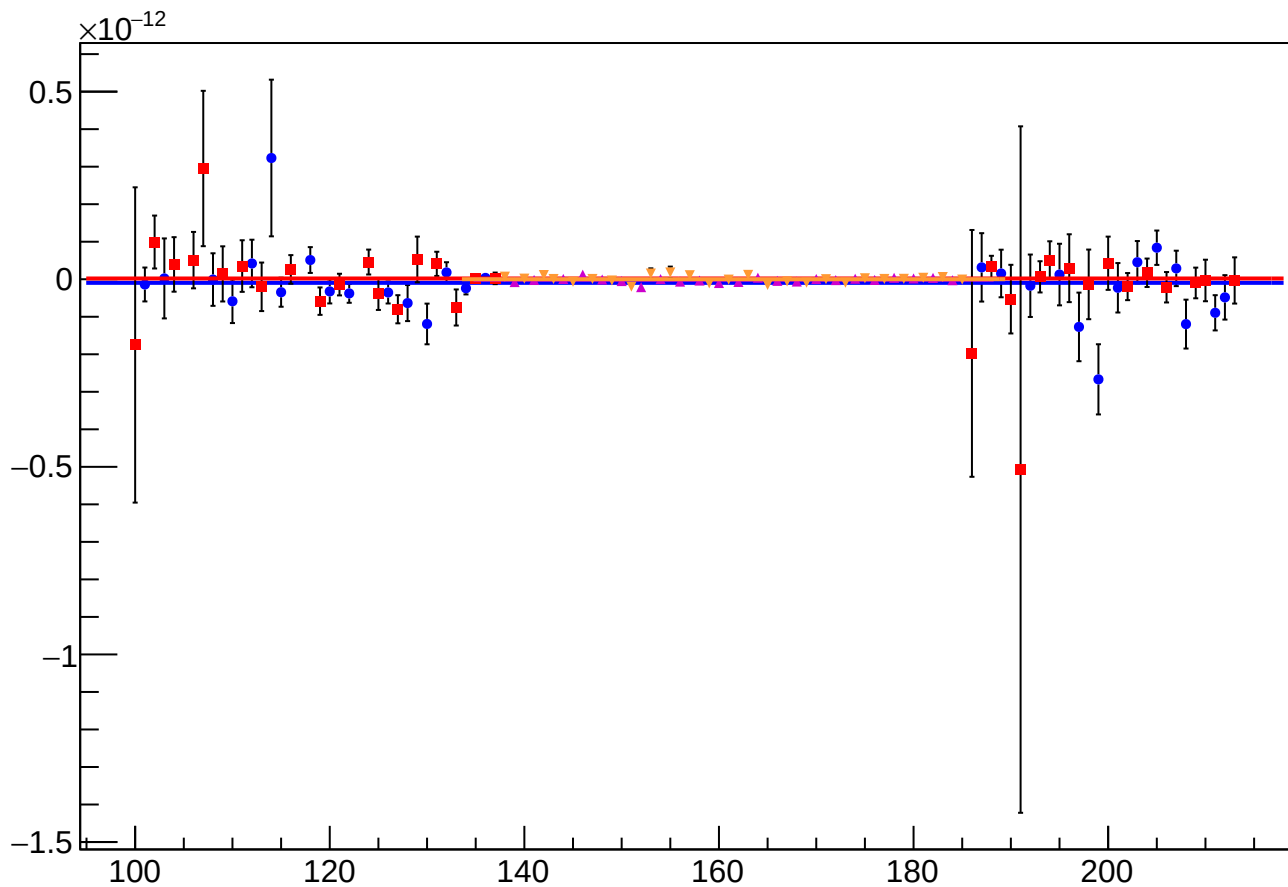
Left In: 32.422 $\pm$ 0.006 χ^2 /NDF: 426001.5/22

+ sign 35.367 $\pm$ 0.005 χ^2 /NDF: 6290963.6/53

All: 35.410 $\pm$ 0.003 χ^2 /NDF: 11820618.6/110

- sign 35.453 $\pm$ 0.005 χ^2 /NDF: 5529489.5/56

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 41.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.3/33

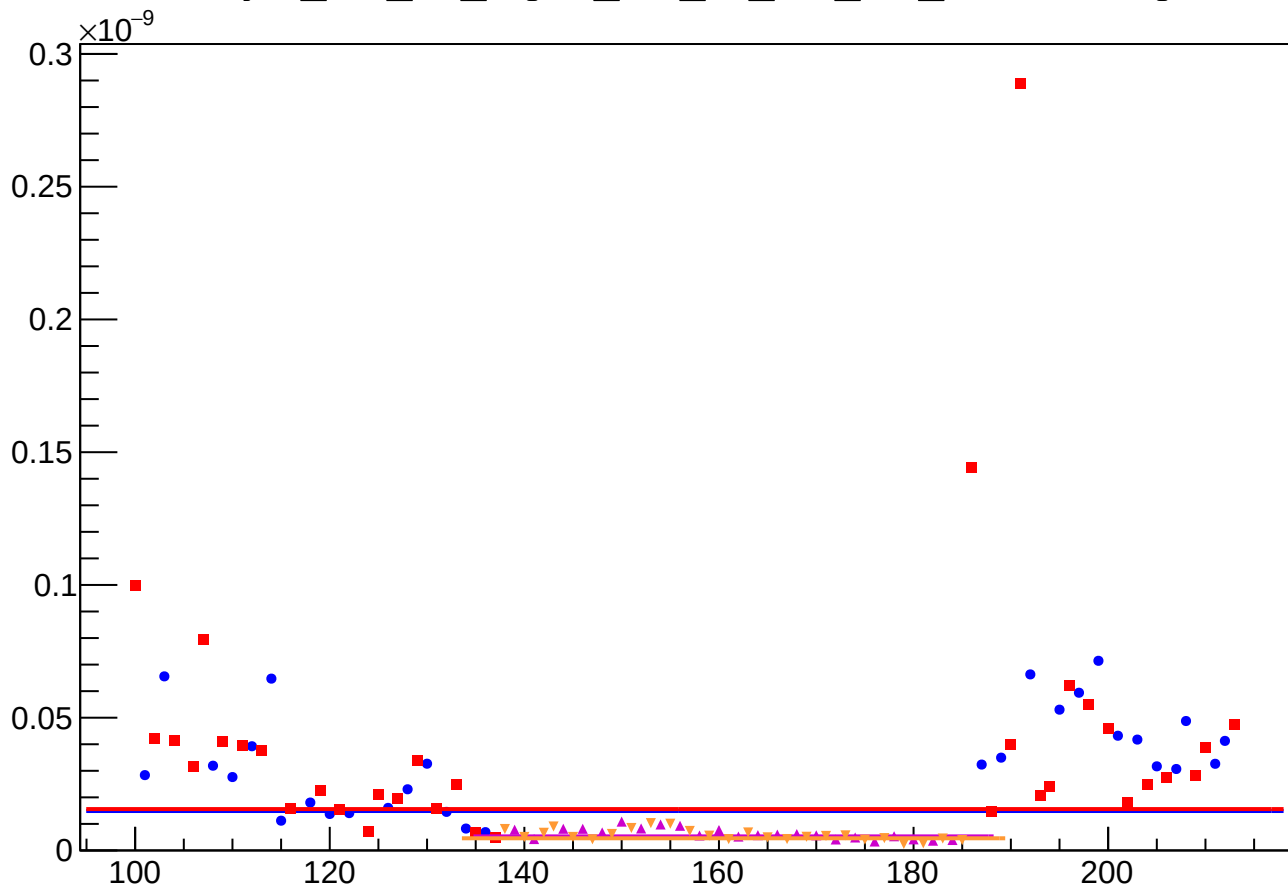
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 64.5/53

All: -0.000 ± 0.000 χ^2/NDF : 99.2/110

- sign -0.000 ± 0.000 χ^2/NDF : 34.7/56

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8641837.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7542376.6/33

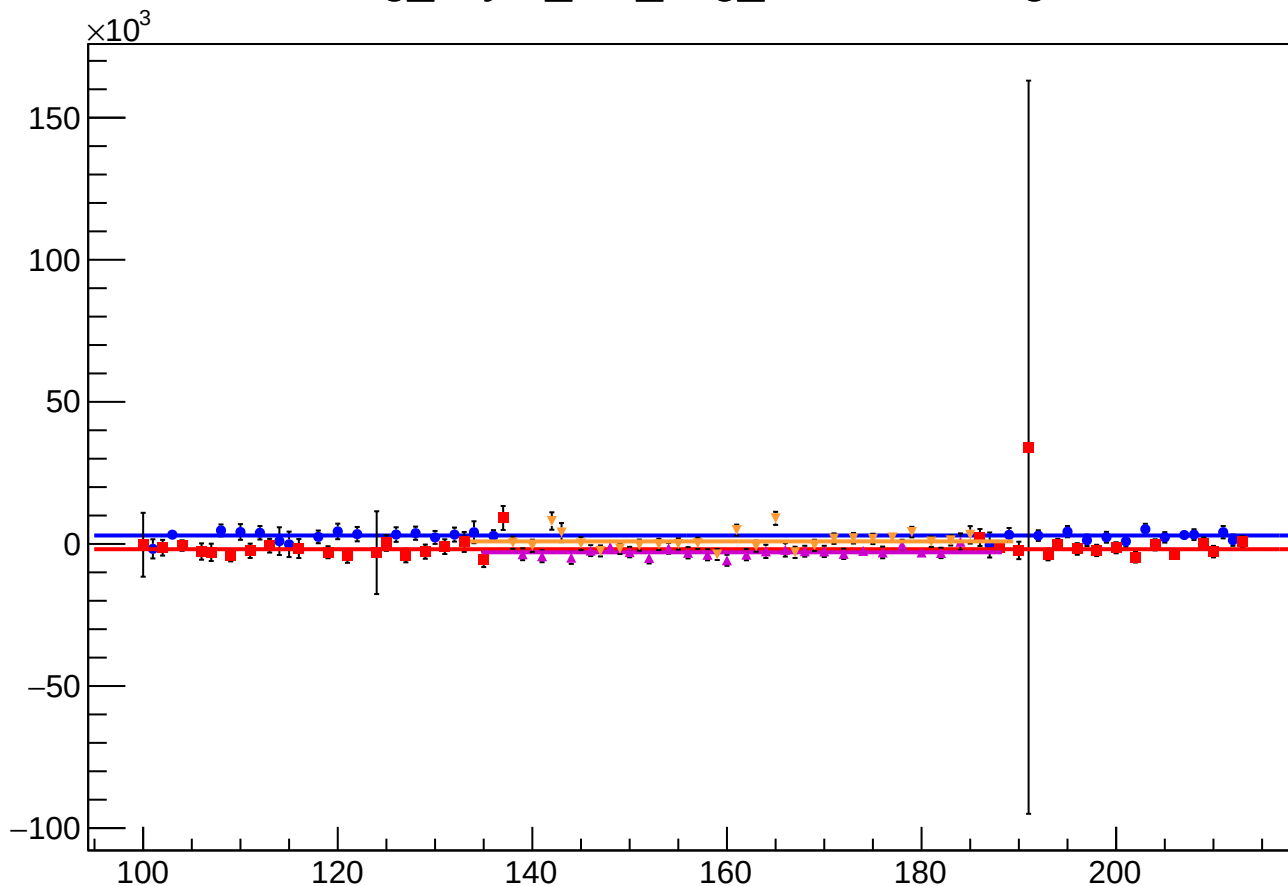
Left In: 0.000+/-0.000 χ^2/NDF : 2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 16970428.6/53

All: 0.000+/-0.000 χ^2/NDF : 31972030.3/110

- sign 0.000+/-0.000 χ^2/NDF : 14726360.5/56

reg_asym_at2_avg_mean vs Slug



Right In: 2976.169+/-417.513 χ^2/NDF : 9.8/28

Left Out: 898.921+/-405.540 χ^2/NDF : 45.3/24

Right Out: -1853.330+/-407.581 χ^2/NDF : 25.0/33

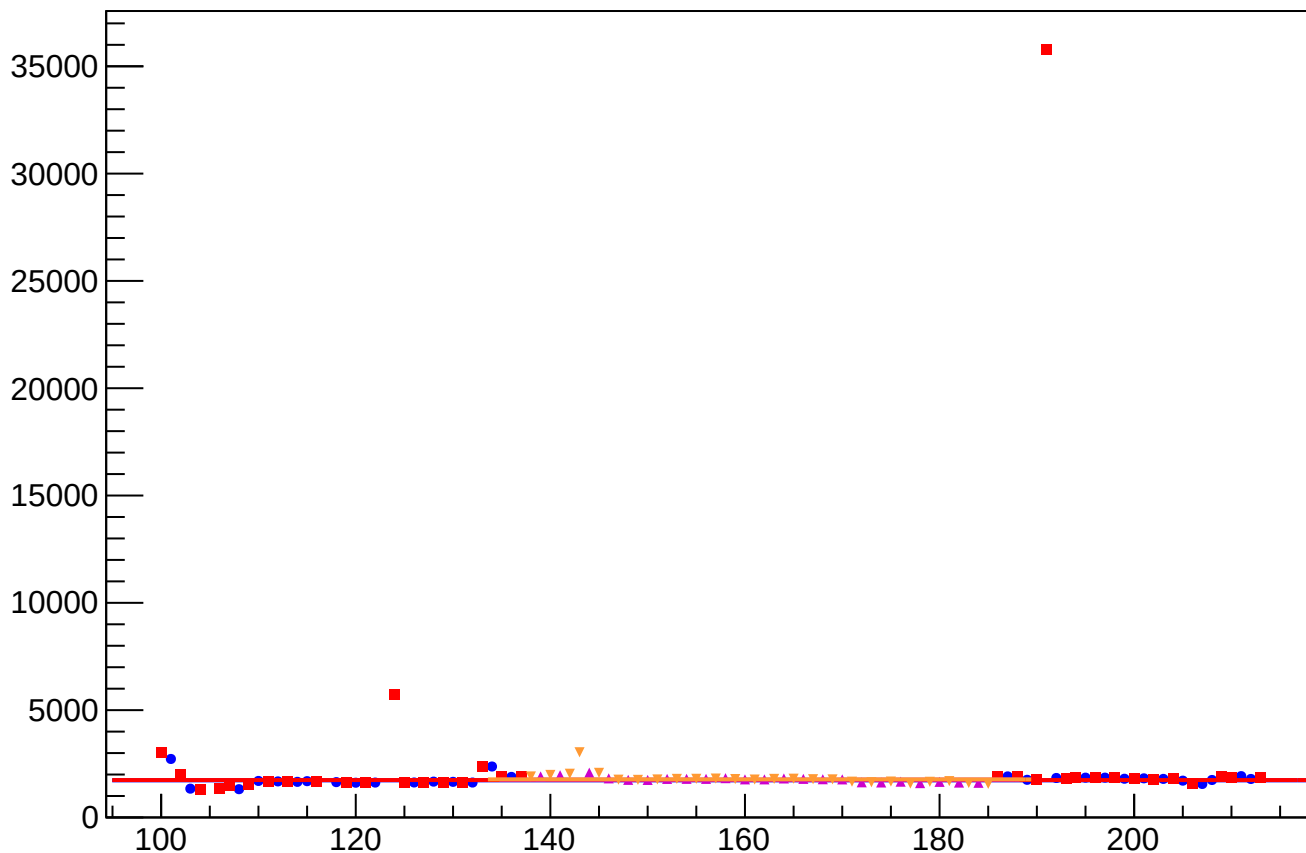
Left In: -2943.285+/-412.069 χ^2/NDF : 10.6/22

+ sign 1907.334+/-290.901 χ^2/NDF : 67.8/53

All: -250.826+/-205.300 χ^2/NDF : 216.6/110

- sign -2392.339+/-289.777 χ^2/NDF : 39.1/56

reg_asym_at2_avg_rms vs Slug



Right In: 1729.149+/-0.295 χ^2/NDF : 513406.5/28

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.8/24

Right Out: 1742.643+/-0.288 χ^2/NDF : 723704.9/33

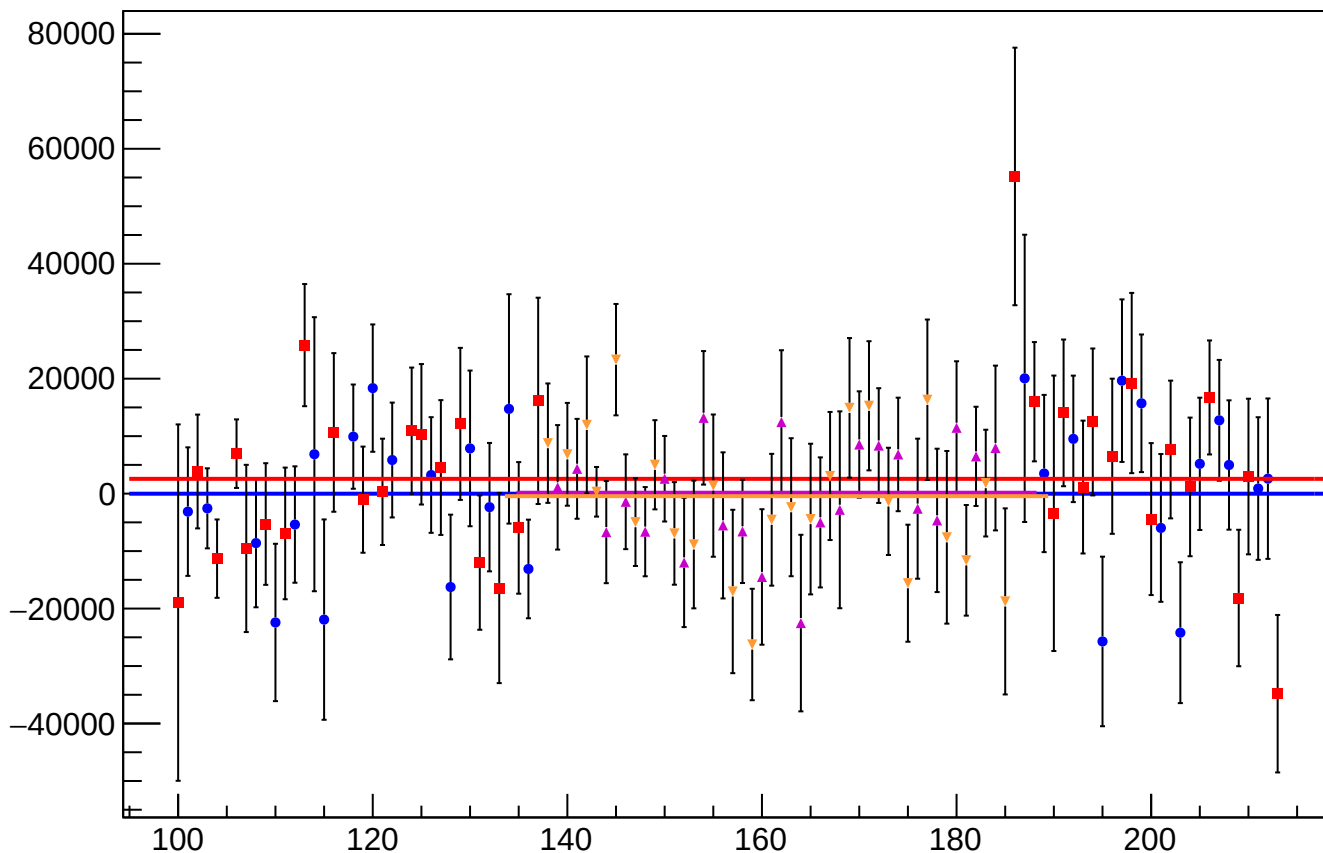
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1752.603+/-0.206 χ^2/NDF : 972567.8/53

All: 1752.182+/-0.145 χ^2/NDF : 1844573.4/11

- sign 1751.765+/-0.205 χ^2/NDF : 871997.3/56

asym_at2_avg_reg_correction_mean vs Slug



Right In: -13.212 $\pm$ 2164.383 χ^2/NDF : 28.9/28

Left Out: -443.346 $\pm$ 1925.604 χ^2/NDF : 29.5/24

Right Out: 2572.331 $\pm$ 1963.941 χ^2/NDF : 40.9/33

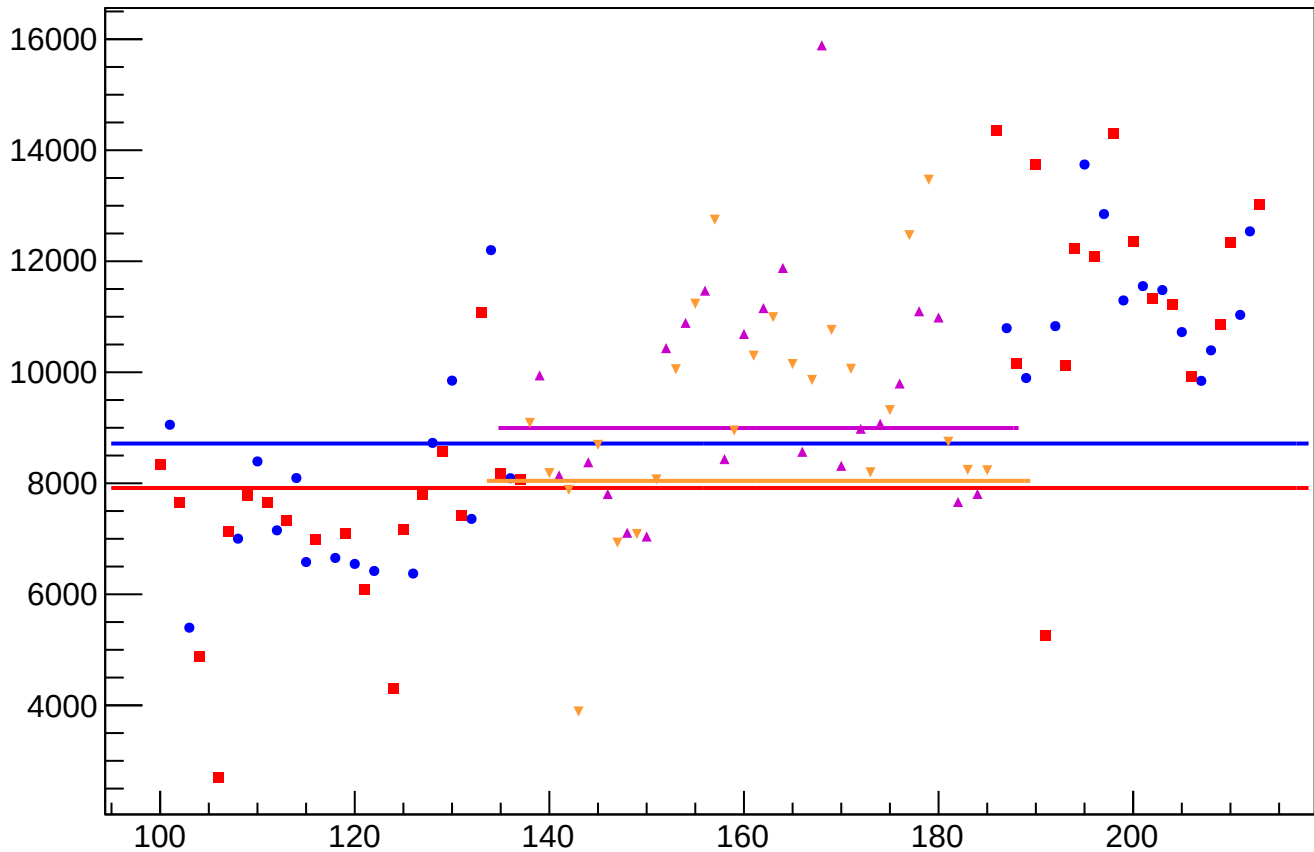
Left In: 155.268 $\pm$ 2143.489 χ^2/NDF : 13.8/22

+ sign -253.305 $\pm$ 1438.651 χ^2/NDF : 58.4/53

All: 602.373 $\pm$ 1020.582 χ^2/NDF : 114.5/110

- sign 1469.255 $\pm$ 1448.038 χ^2/NDF : 55.4/56

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8716.174+/-1.530 χ^2/NDF : 2237912.2/28

Left Out: 8043.834+/-1.362 χ^2/NDF : 3362838.6/24

Right Out: 7915.579+/-1.389 χ^2/NDF : 4867188.4/33

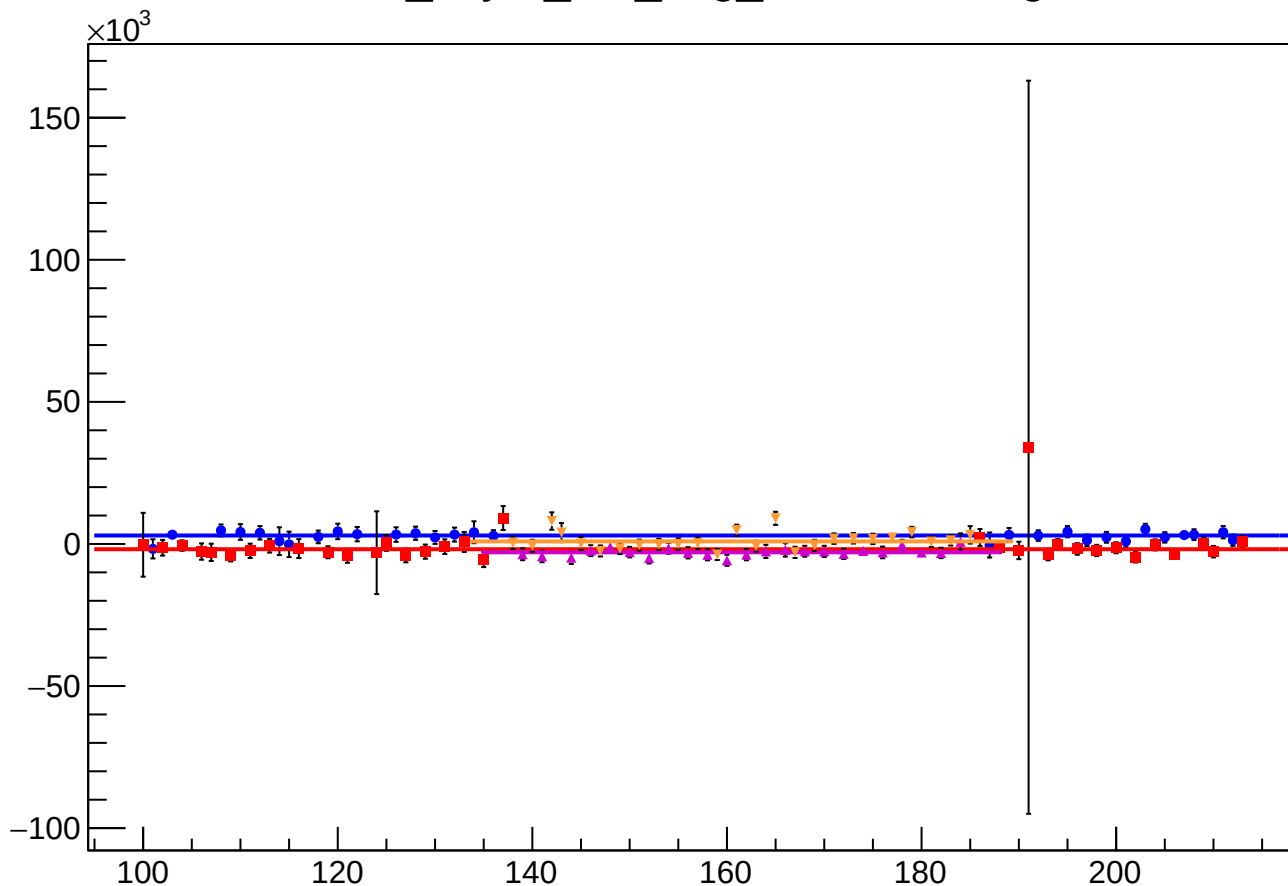
Left In: 8995.626+/-1.516 χ^2/NDF : 1207133.5/22

+ sign 8340.885+/-1.017 χ^2/NDF : 5708475.9/53

All: 8374.463+/-0.722 χ^2/NDF : 12061033.7/100

- sign 8408.479+/-1.024 χ^2/NDF : 6350364.6/56

cor_asym_at2_avg_mean vs Slug



Right In: 2976.230 $\pm$ 417.513 χ^2 /NDF: 9.8/28

Left Out: 898.842 $\pm$ 405.540 χ^2 /NDF: 45.3/24

Right Out: -1853.291 $\pm$ 407.581 χ^2 /NDF: 25.0/33

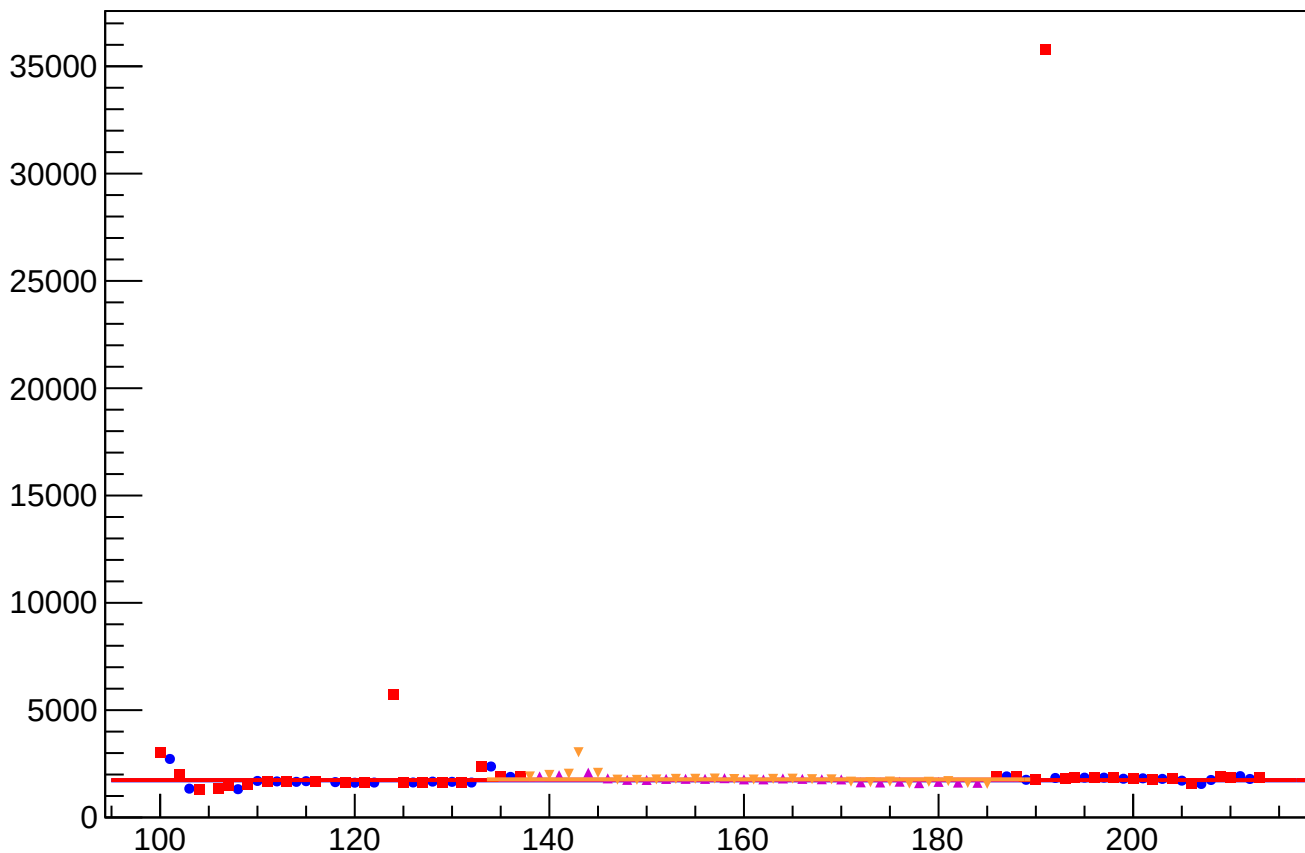
Left In: -2943.173 $\pm$ 412.069 χ^2 /NDF: 10.6/22

+ sign 1907.323 $\pm$ 290.901 χ^2 /NDF: 67.8/53

All: -250.794 $\pm$ 205.300 χ^2 /NDF: 216.6/110

- sign -2392.264 $\pm$ 289.777 χ^2 /NDF: 39.1/56

cor_asym_at2_avg_rms vs Slug



Right In: 1729.149+/-0.295 χ^2/NDF : 513406.9/28

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF : 723705.1/33

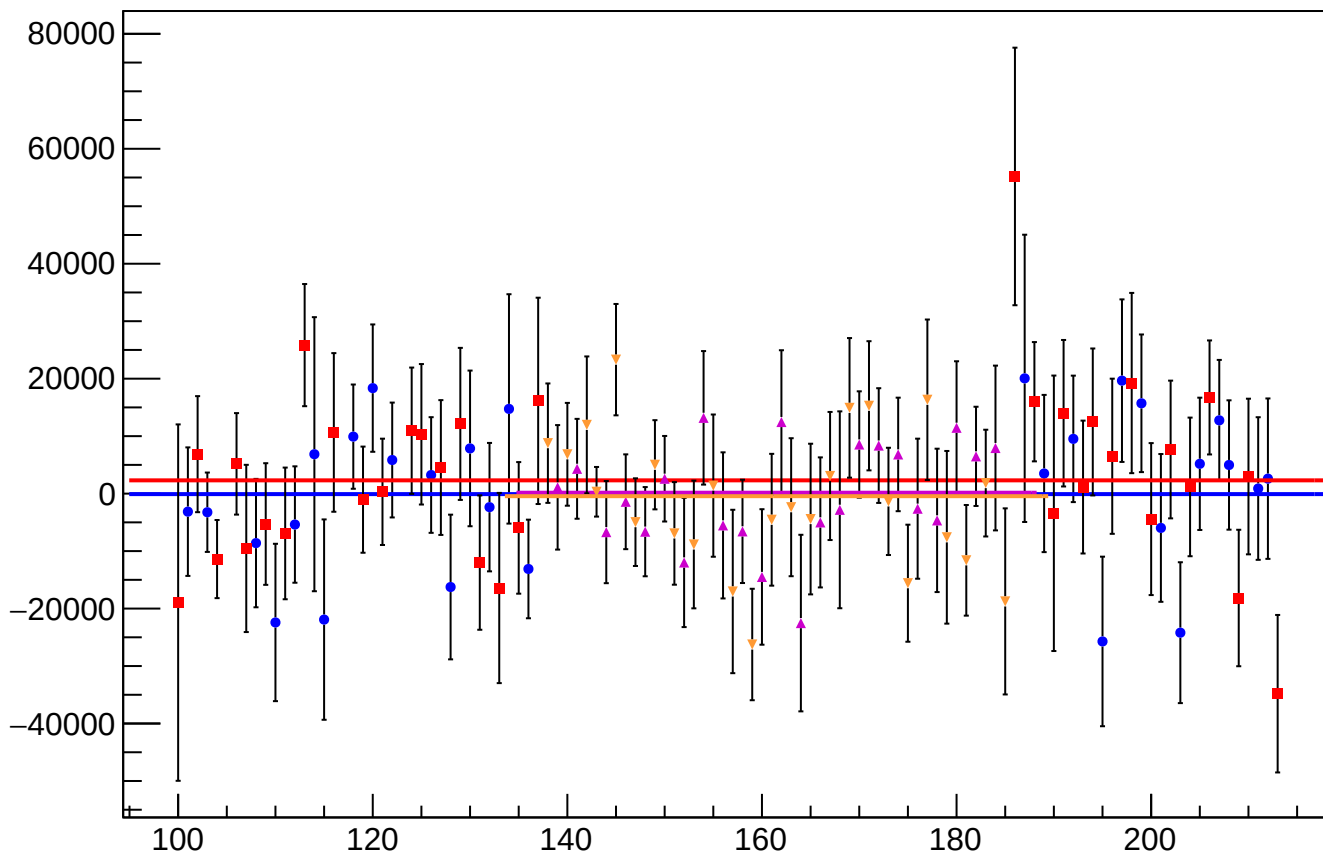
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1752.603+/-0.206 χ^2/NDF : 972568.2/53

All: 1752.182+/-0.145 χ^2/NDF : 1844574.1/11

- sign 1751.765+/-0.205 χ^2/NDF : 871997.5/56

asym_at2_avg_cor_correction_mean vs Slug



Right In: -84.088 ± 2162.583 χ^2/NDF : 29.0/28

Left Out: -443.387 ± 1925.600 χ^2/NDF : 29.5/24

Right Out: 2309.186 ± 2025.552 χ^2/NDF : 40.7/33

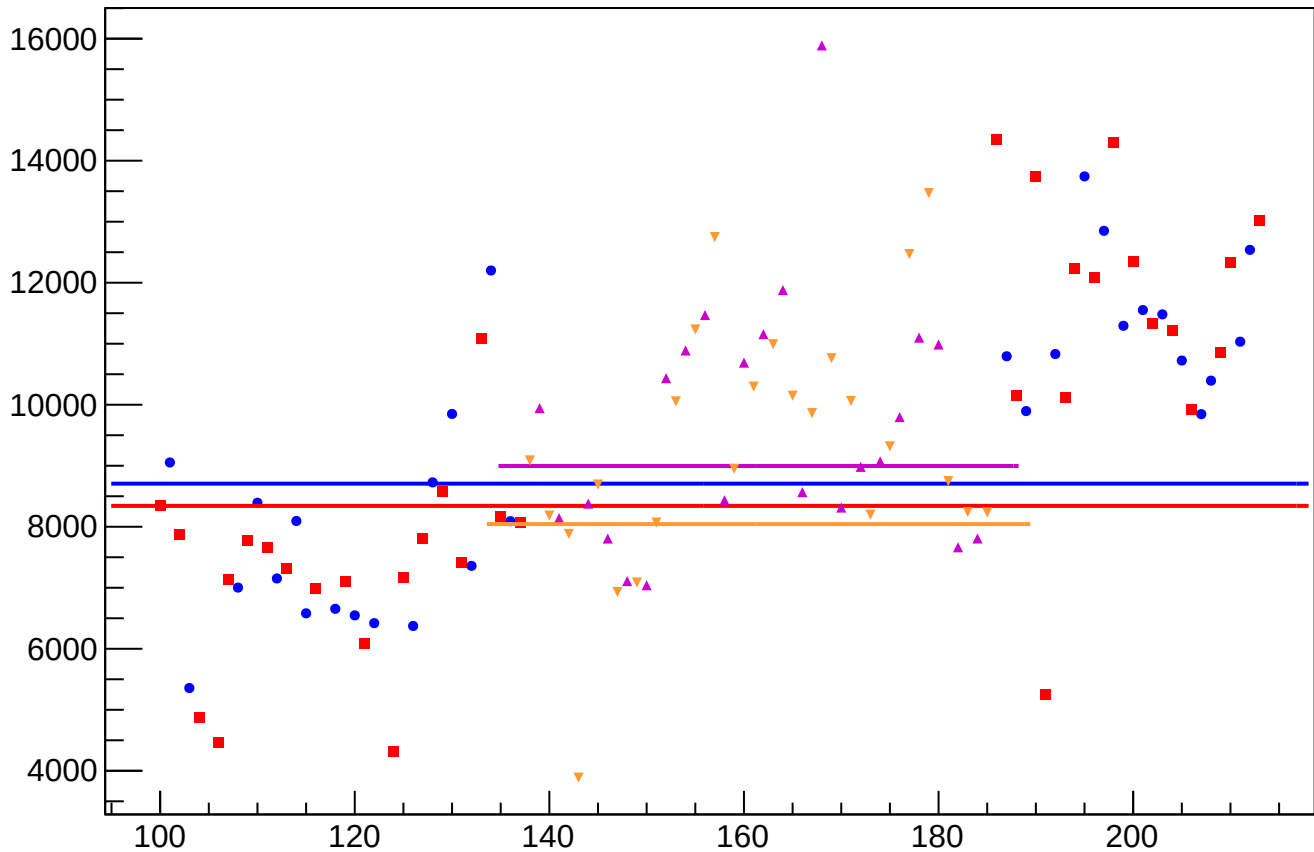
Left In: 155.239 ± 2143.487 χ^2/NDF : 13.8/22

+ sign -284.496 ± 1438.120 χ^2/NDF : 58.5/53

All: 485.824 ± 1028.745 χ^2/NDF : 114.1/110

- sign 1293.095 ± 1472.209 χ^2/NDF : 55.0/56

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8706.496 $\pm$ 1.529 χ^2 /NDF: 2257513.9/28

Left Out: 8043.808 $\pm$ 1.362 χ^2 /NDF: 3362915.7/24

Right Out: 8342.054 $\pm$ 1.432 χ^2 /NDF: 3558331.7/33

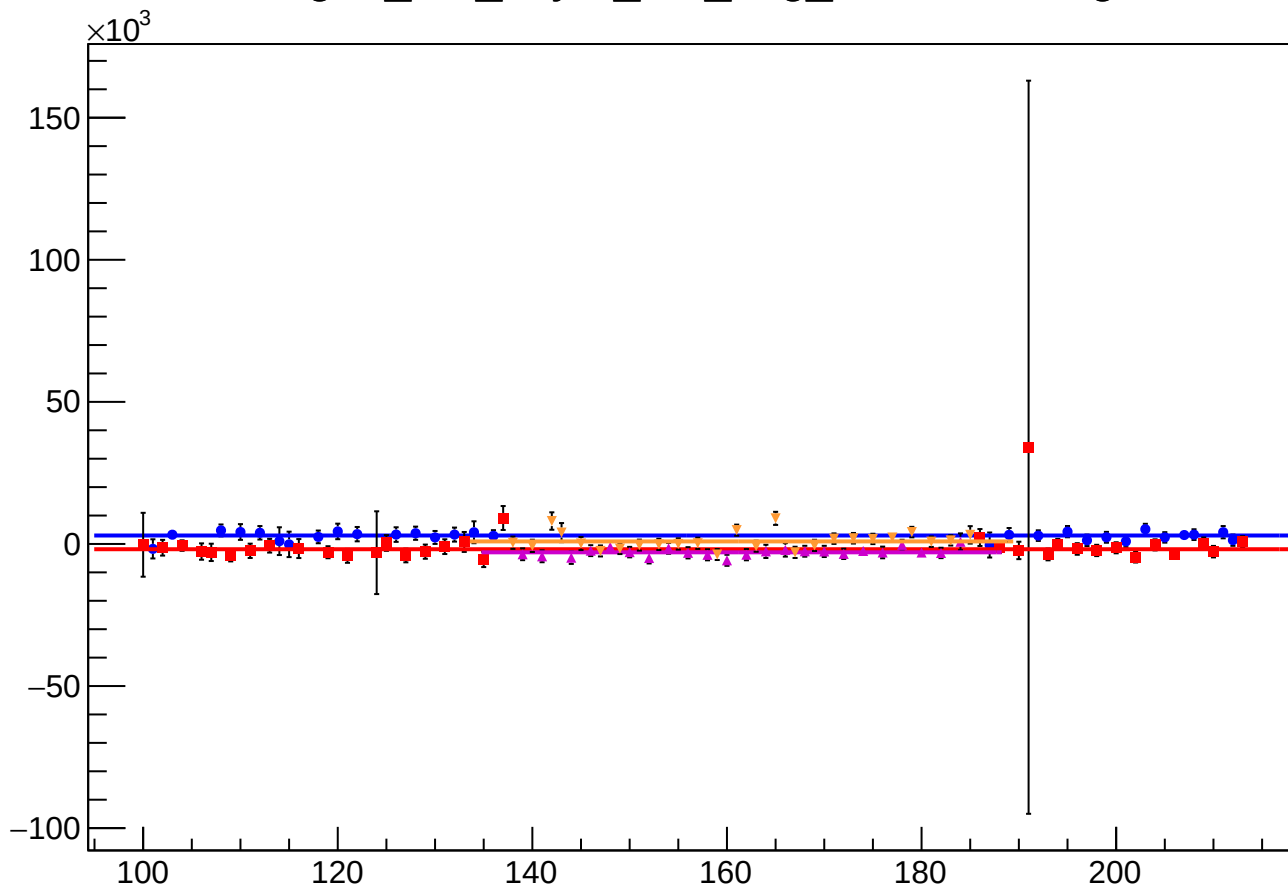
Left In: 8995.616 $\pm$ 1.516 χ^2 /NDF: 1207139.1/22

+ sign 8336.867 $\pm$ 1.017 χ^2 /NDF: 5725181.2/53

All: 8489.942 $\pm$ 0.727 χ^2 /NDF: 10635281.8/106

- sign 8650.361 $\pm$ 1.041 χ^2 /NDF: 4863694.4/56

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2976.230 ± 417.513 χ^2/NDF : 9.8/28

Left Out: 898.842 ± 405.540 χ^2/NDF : 45.3/24

Right Out: -1853.291 ± 407.581 χ^2/NDF : 25.0/33

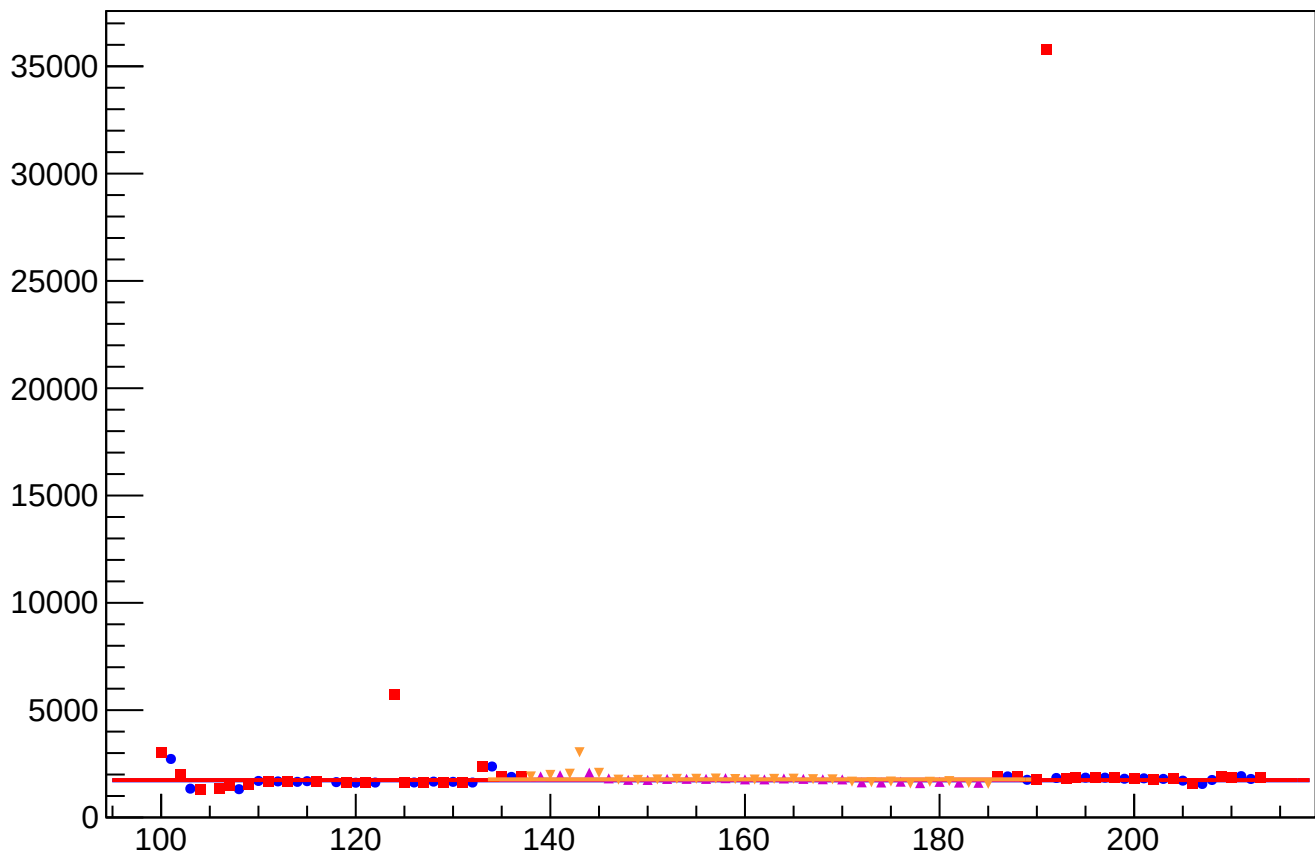
Left In: -2943.173 ± 412.069 χ^2/NDF : 10.6/22

+ sign 1907.323 ± 290.901 χ^2/NDF : 67.8/53

All: -250.794 ± 205.300 χ^2/NDF : 216.6/110

- sign -2392.264 ± 289.777 χ^2/NDF : 39.1/56

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1729.149+/-0.295 χ^2/NDF : 513406.9/28

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF : 723705.1/33

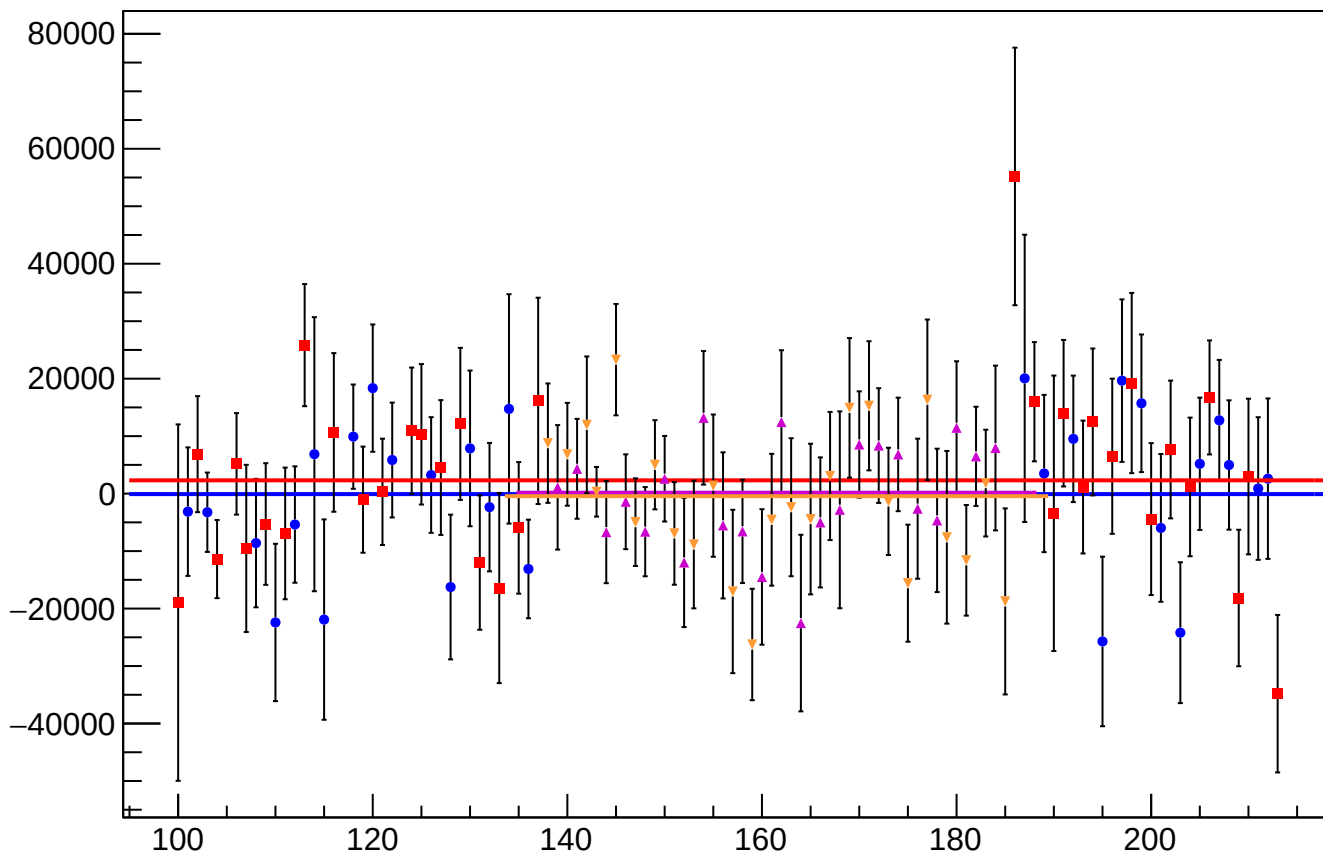
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1752.603+/-0.206 χ^2/NDF : 972568.2/53

All: 1752.182+/-0.145 χ^2/NDF : 1844574.1/11

- sign 1751.765+/-0.205 χ^2/NDF : 871997.5/56

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -84.088 $\pm$ 2162.583 χ^2 /NDF: 29.0/28

Left Out: -443.387 $\pm$ 1925.600 χ^2 /NDF: 29.5/24

Right Out: 2309.186 $\pm$ 2025.552 χ^2 /NDF: 40.7/33

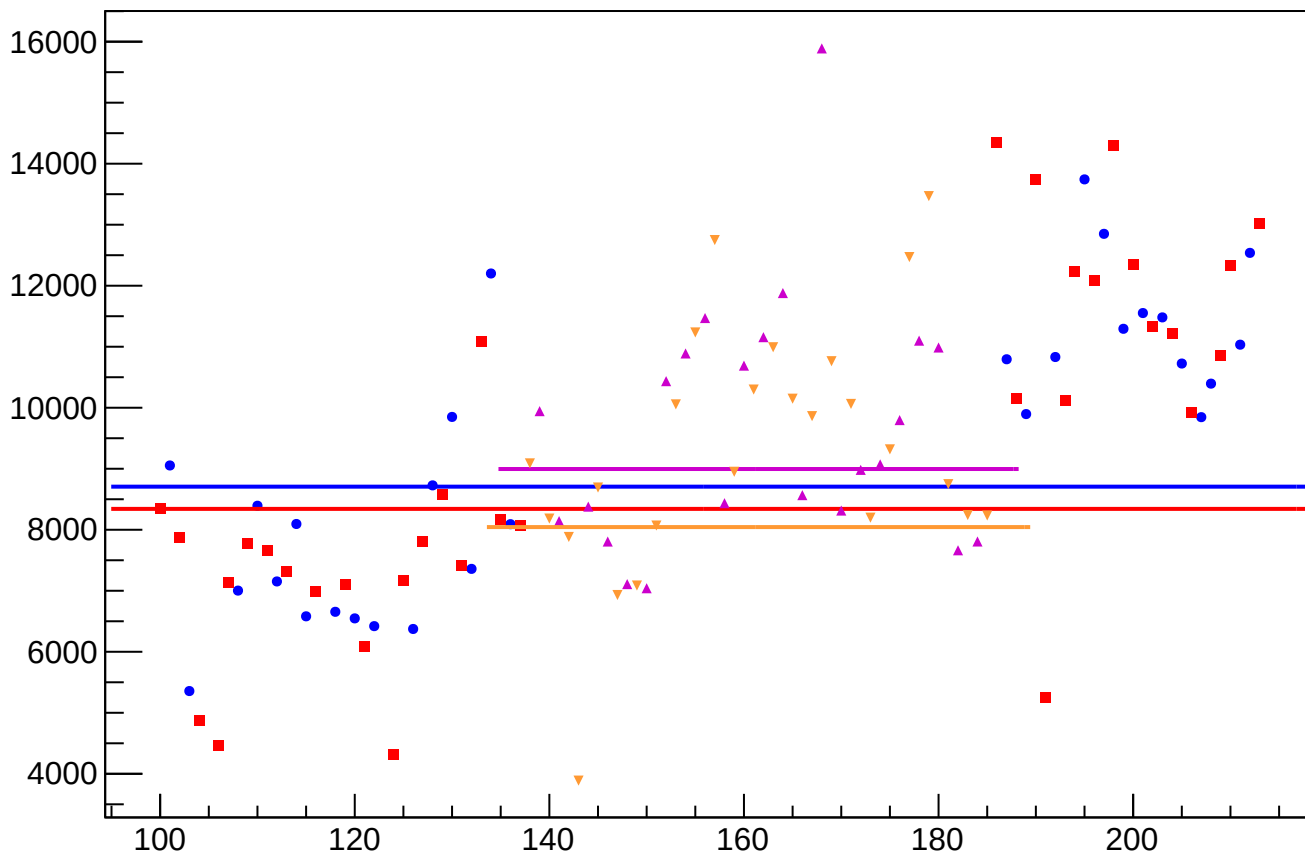
Left In: 155.239 $\pm$ 2143.487 χ^2 /NDF: 13.8/22

+ sign -284.496 $\pm$ 1438.120 χ^2 /NDF: 58.5/53

All: 485.824 $\pm$ 1028.745 χ^2 /NDF: 114.1/110

- sign 1293.095 $\pm$ 1472.209 χ^2 /NDF: 55.0/56

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8706.496 $\pm$ 1.529 χ^2 /NDF: 2257513.9/28

Left Out: 8043.808 $\pm$ 1.362 χ^2 /NDF: 3362915.7/24

Right Out: 8342.054 $\pm$ 1.432 χ^2 /NDF: 3558331.7/33

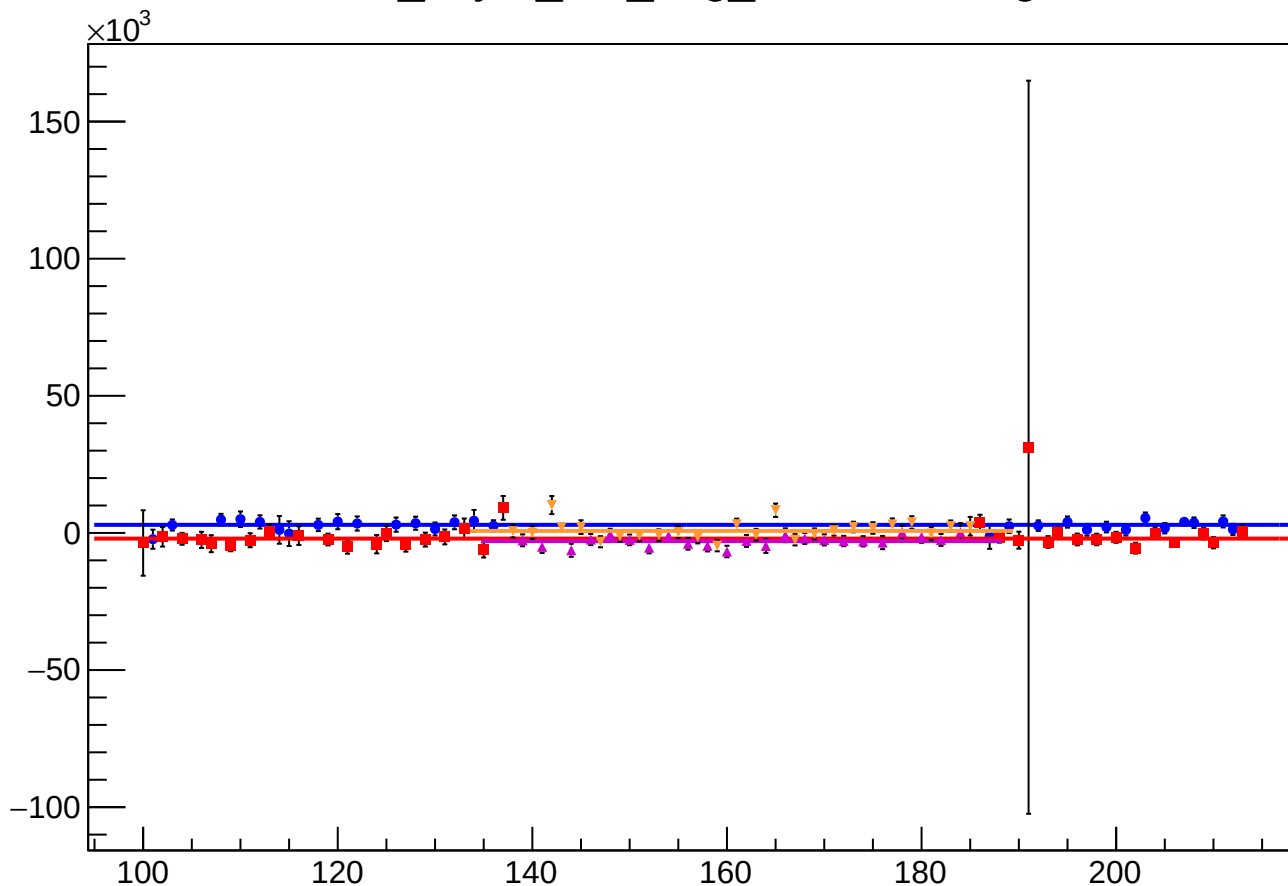
Left In: 8995.616 $\pm$ 1.516 χ^2 /NDF: 1207139.1/22

+ sign 8336.867 $\pm$ 1.017 χ^2 /NDF: 5725181.2/53

All: 8489.942 $\pm$ 0.727 χ^2 /NDF: 10635281.8/100

- sign 8650.361 $\pm$ 1.041 χ^2 /NDF: 4863694.4/56

dit_asym_at2_avg_mean vs Slug



Right In: 2946.411 $\pm$ 431.259 χ^2 /NDF: 11.8/28

Left Out: 739.029 $\pm$ 432.878 χ^2 /NDF: 41.6/24

Right Out: -2073.070 $\pm$ 419.281 χ^2 /NDF: 29.6/33

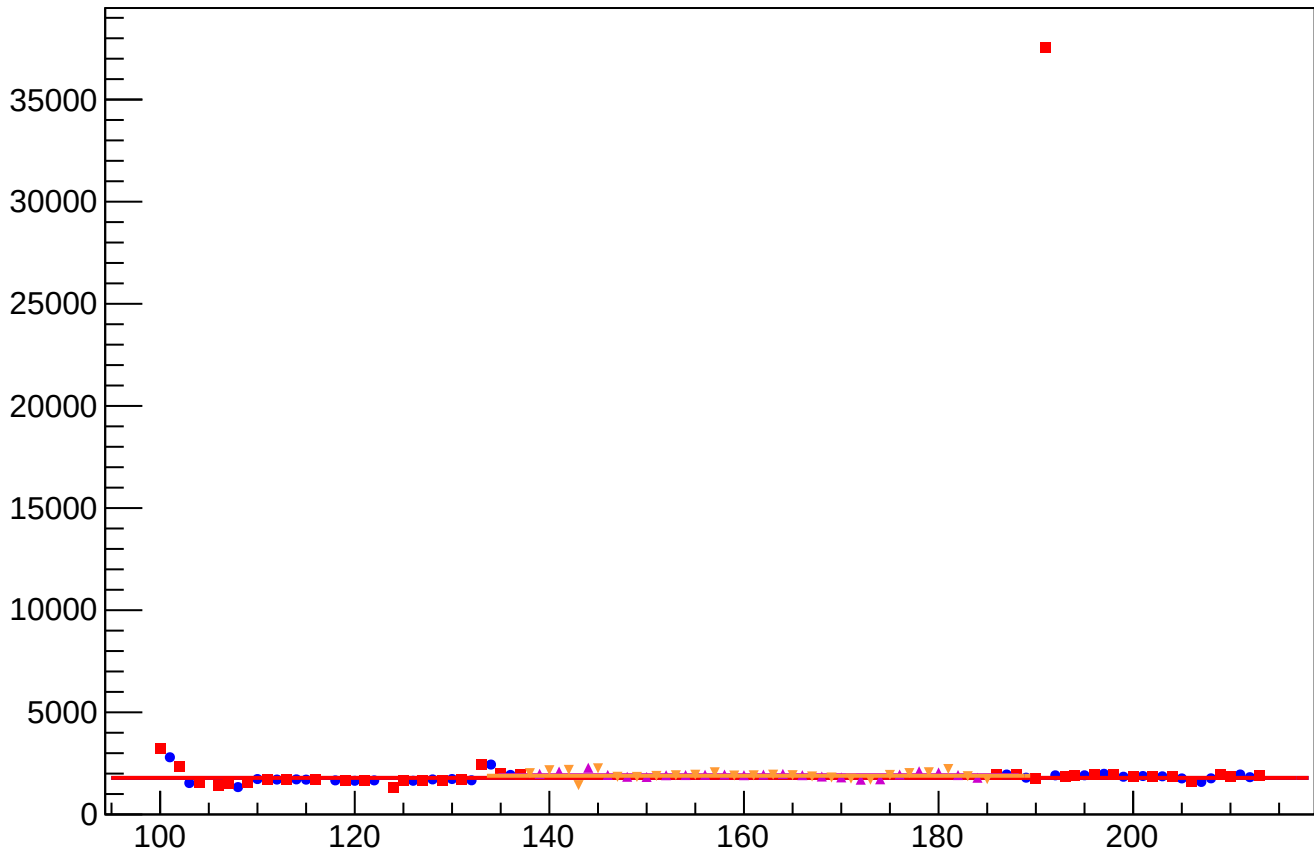
Left In: -2979.225 $\pm$ 450.334 χ^2 /NDF: 15.6/22

+ sign 1846.855 $\pm$ 305.517 χ^2 /NDF: 66.5/53

All: -313.914 $\pm$ 216.509 χ^2 /NDF: 214.3/110

- sign -2493.830 $\pm$ 306.868 χ^2 /NDF: 47.4/56

dit_asym_at2_avg_rms vs Slug



Right In: 1786.463+/-0.305 χ^2/NDF : 468776.0/28

Left Out: 1894.684+/-0.306 χ^2/NDF : 368587.1/24

Right Out: 1791.114+/-0.296 χ^2/NDF : 584612.8/33

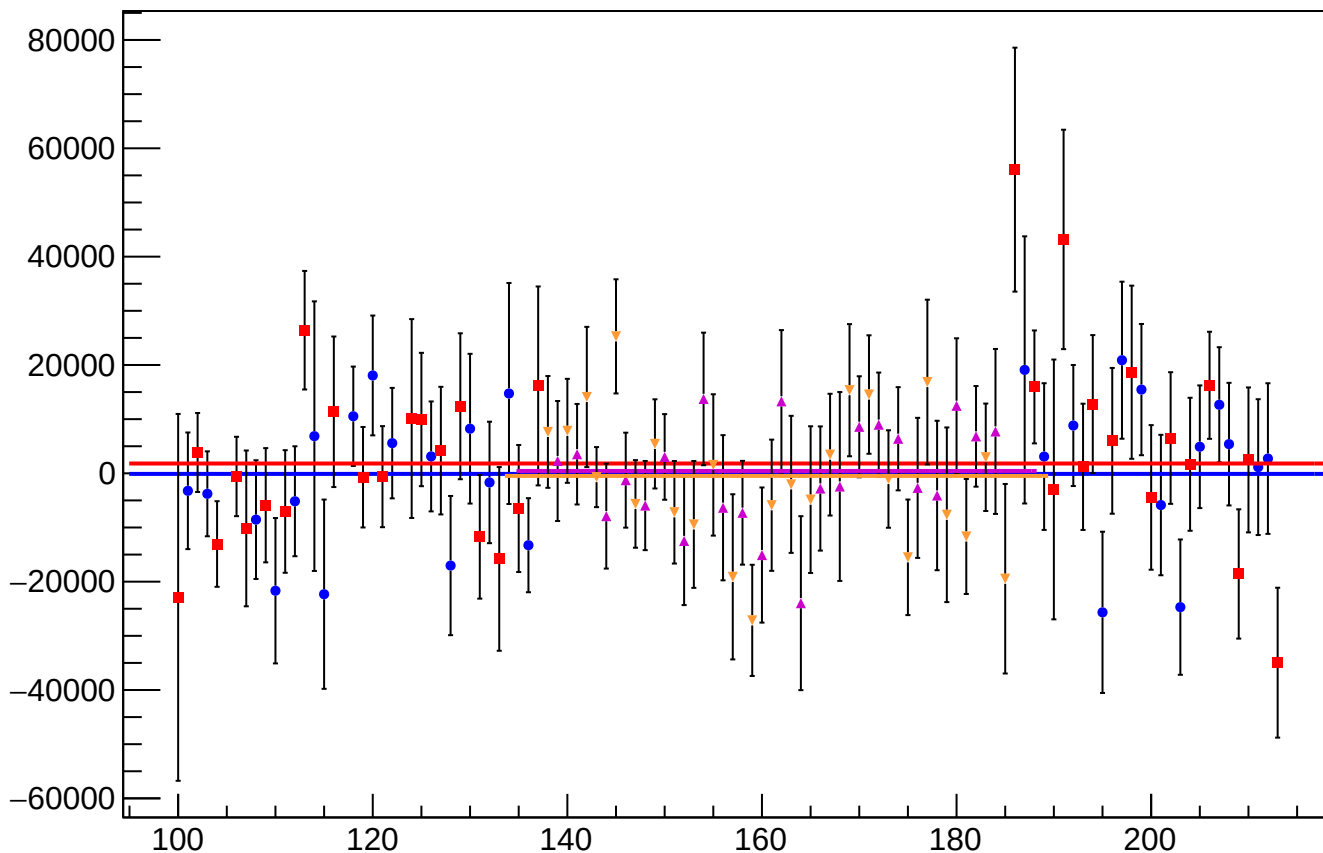
Left In: 1923.038+/-0.318 χ^2/NDF : 150977.3/22

+ sign 1840.371+/-0.216 χ^2/NDF : 900099.7/53

All: 1846.340+/-0.153 χ^2/NDF : 1729176.0/11

- sign 1852.361+/-0.217 χ^2/NDF : 827542.7/56

asym_at2_avg_dit_correction_mean vs Slug



Right In: -105.090 ± 2196.573 $\chi^2/\text{NDF}: 28.8/28$

Left Out: -479.338 ± 2089.235 $\chi^2/\text{NDF}: 28.8/24$

Right Out: 1812.622 ± 2034.049 $\chi^2/\text{NDF}: 43.0/33$

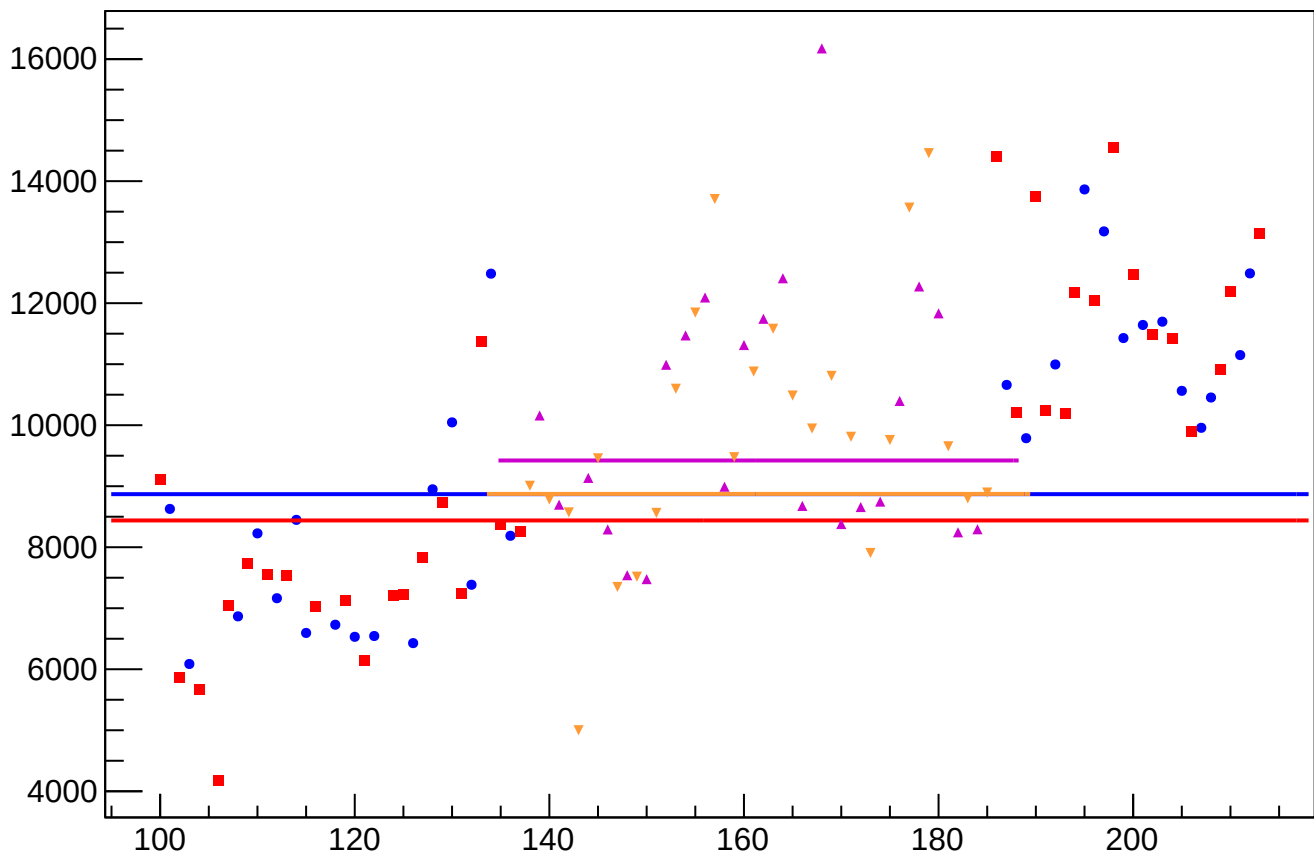
Left In: 436.717 ± 2245.180 $\chi^2/\text{NDF}: 13.6/22$

+ sign -301.581 ± 1513.837 $\chi^2/\text{NDF}: 57.6/53$

All: 448.577 ± 1068.168 $\chi^2/\text{NDF}: 114.9/110$

- sign 1192.389 ± 1507.419 $\chi^2/\text{NDF}: 56.7/56$

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8869.729+/-1.553 χ^2/NDF : 2041929.9/28

Left Out: 8873.592+/-1.477 χ^2/NDF : 2203249.6/24

Right Out: 8438.781+/-1.438 χ^2/NDF : 3435949.0/33

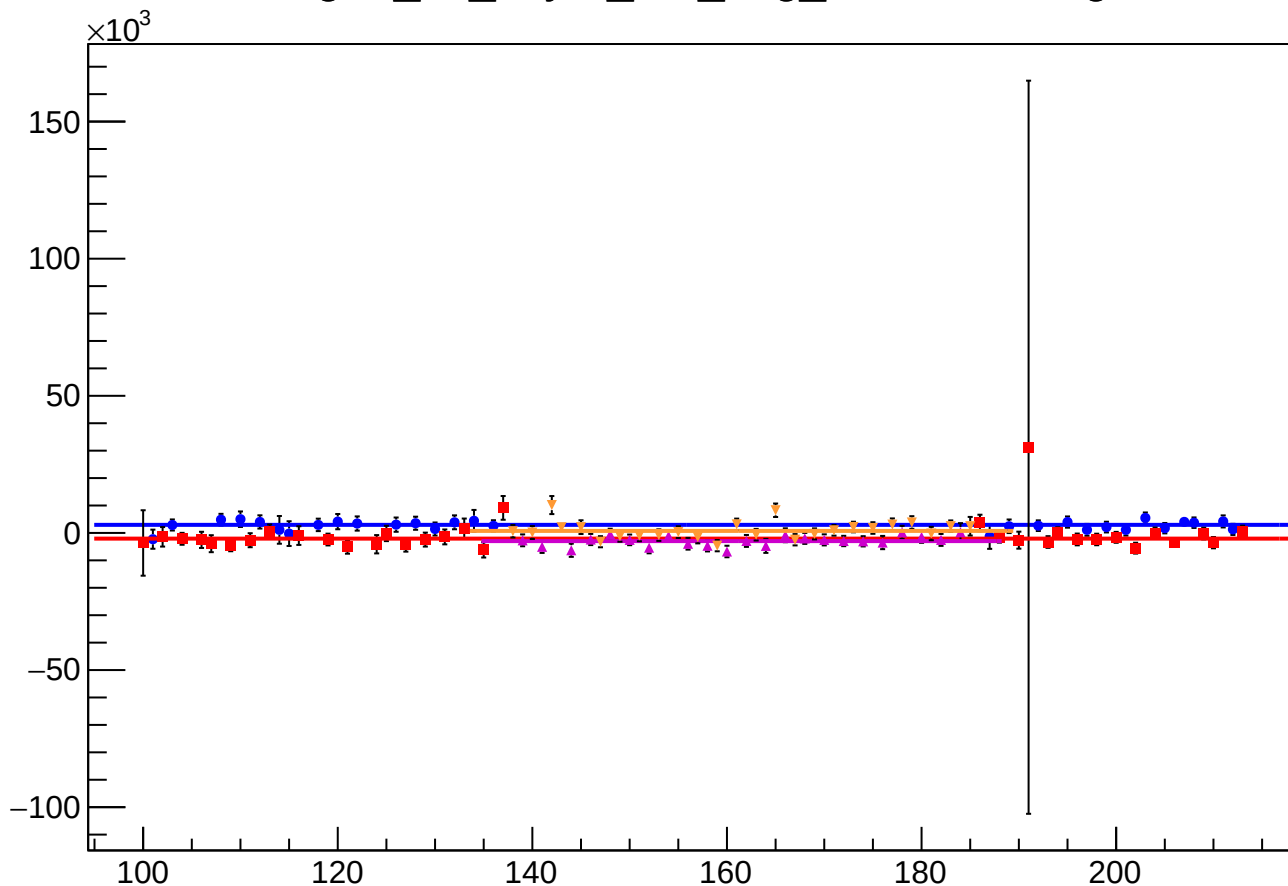
Left In: 9421.708+/-1.588 χ^2/NDF : 1204848.0/22

+ sign 8871.757+/-1.070 χ^2/NDF : 4245182.8/53

All: 8876.833+/-0.755 χ^2/NDF : 9096555.2/11

- sign 8881.866+/-1.066 χ^2/NDF : 4851327.6/56

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2946.407 $\pm$ 431.259 χ^2 /NDF: 11.8/28

Left Out: 739.018 $\pm$ 432.879 χ^2 /NDF: 41.6/24

Right Out: -2073.070 $\pm$ 419.281 χ^2 /NDF: 29.6/33

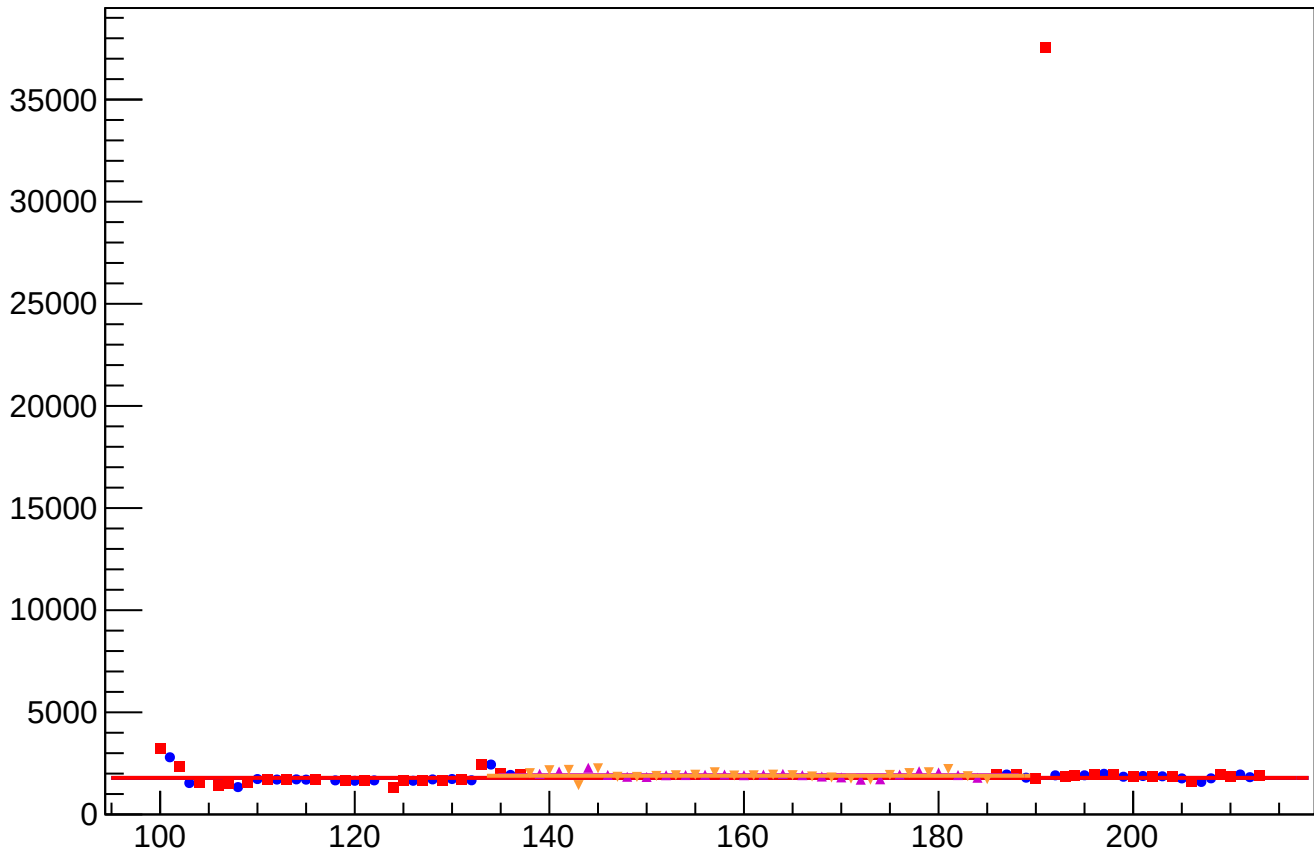
Left In: -2979.226 $\pm$ 450.335 χ^2 /NDF: 15.6/22

+ sign 1846.849 $\pm$ 305.517 χ^2 /NDF: 66.5/53

All: -313.917 $\pm$ 216.509 χ^2 /NDF: 214.3/110

- sign -2493.830 $\pm$ 306.868 χ^2 /NDF: 47.4/56

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1786.463+/-0.305 χ^2/NDF : 468776.6/28

Left Out: 1894.687+/-0.306 χ^2/NDF : 368594.6/24

Right Out: 1791.114+/-0.296 χ^2/NDF : 584614.2/33

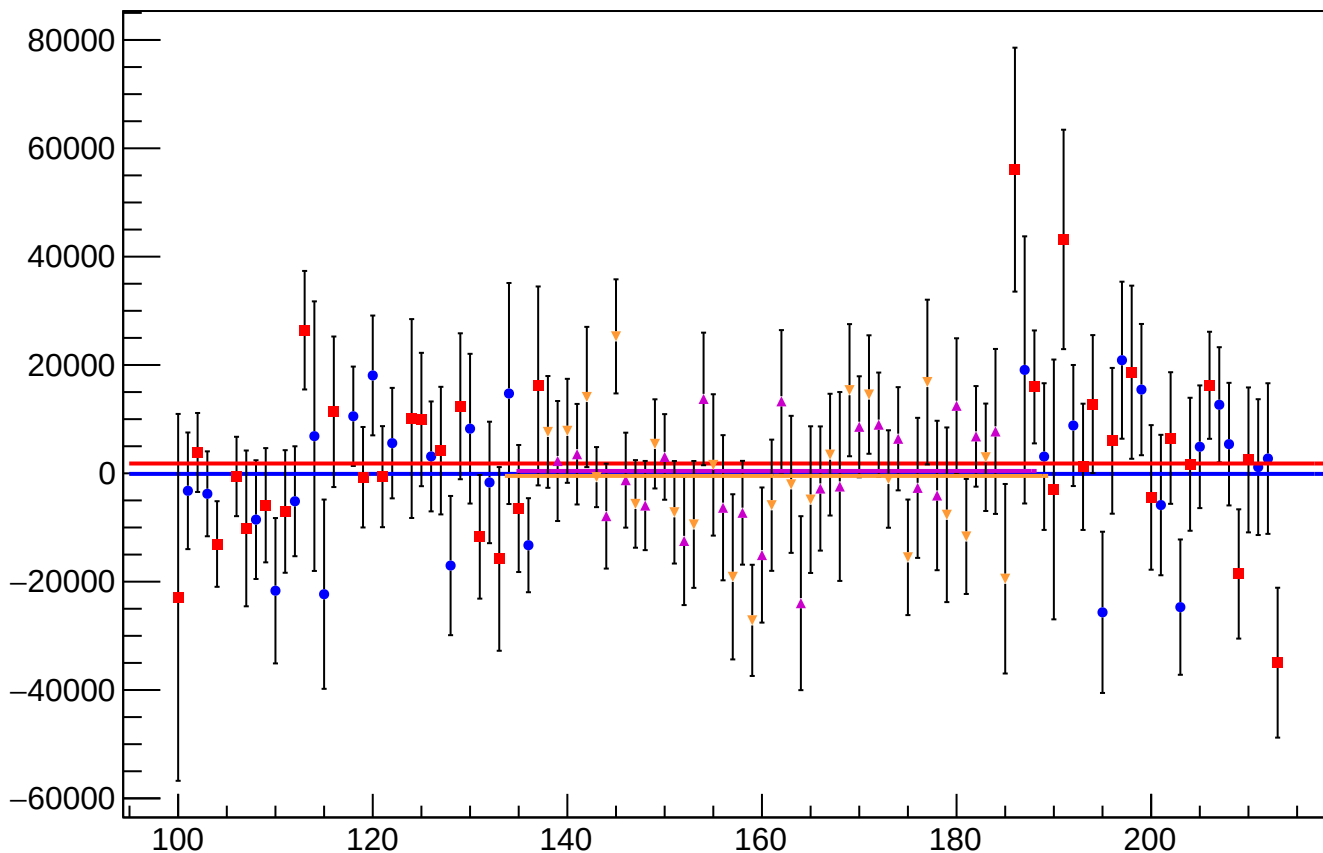
Left In: 1923.042+/-0.318 χ^2/NDF : 150984.8/22

+ sign 1840.372+/-0.216 χ^2/NDF : 900111.5/53

All: 1846.341+/-0.153 χ^2/NDF : 1729201.1/11

- sign 1852.362+/-0.217 χ^2/NDF : 827556.1/56

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -105.084 $\pm$ 2196.571 χ^2 /NDF: 28.8/28

Left Out: -479.345 $\pm$ 2089.238 χ^2 /NDF:28.8/24

Right Out: 1812.611 $\pm$ 2034.047 χ^2 /NDF: 43.0/33

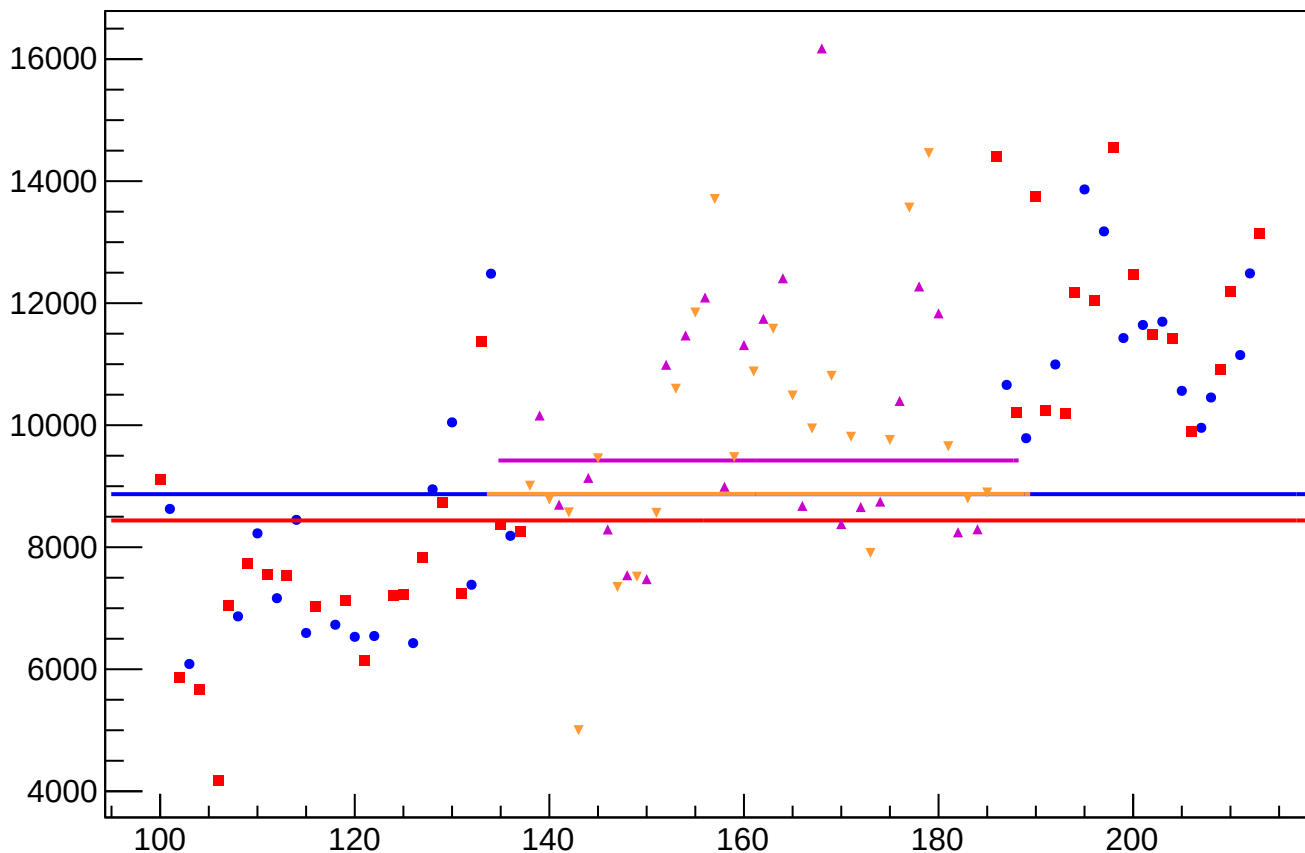
Left In: 436.720 $\pm$ 2245.183 χ^2 /NDF:13.6/22

+ sign -301.581 $\pm$ 1513.838 χ^2 /NDF: 57.6/53

All: 448.576 $\pm$ 1068.169 χ^2 /NDF: 114.9/110

- sign 1192.387 $\pm$ 1507.420 χ^2 /NDF: 56.7/56

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8869.719 $\pm$ 1.553 χ^2 /NDF: 2041961.9/28

Left Out: 8873.607 $\pm$ 1.477 χ^2 /NDF: 2203251.2/24

Right Out: 8438.770 $\pm$ 1.438 χ^2 /NDF: 3435977.8/33

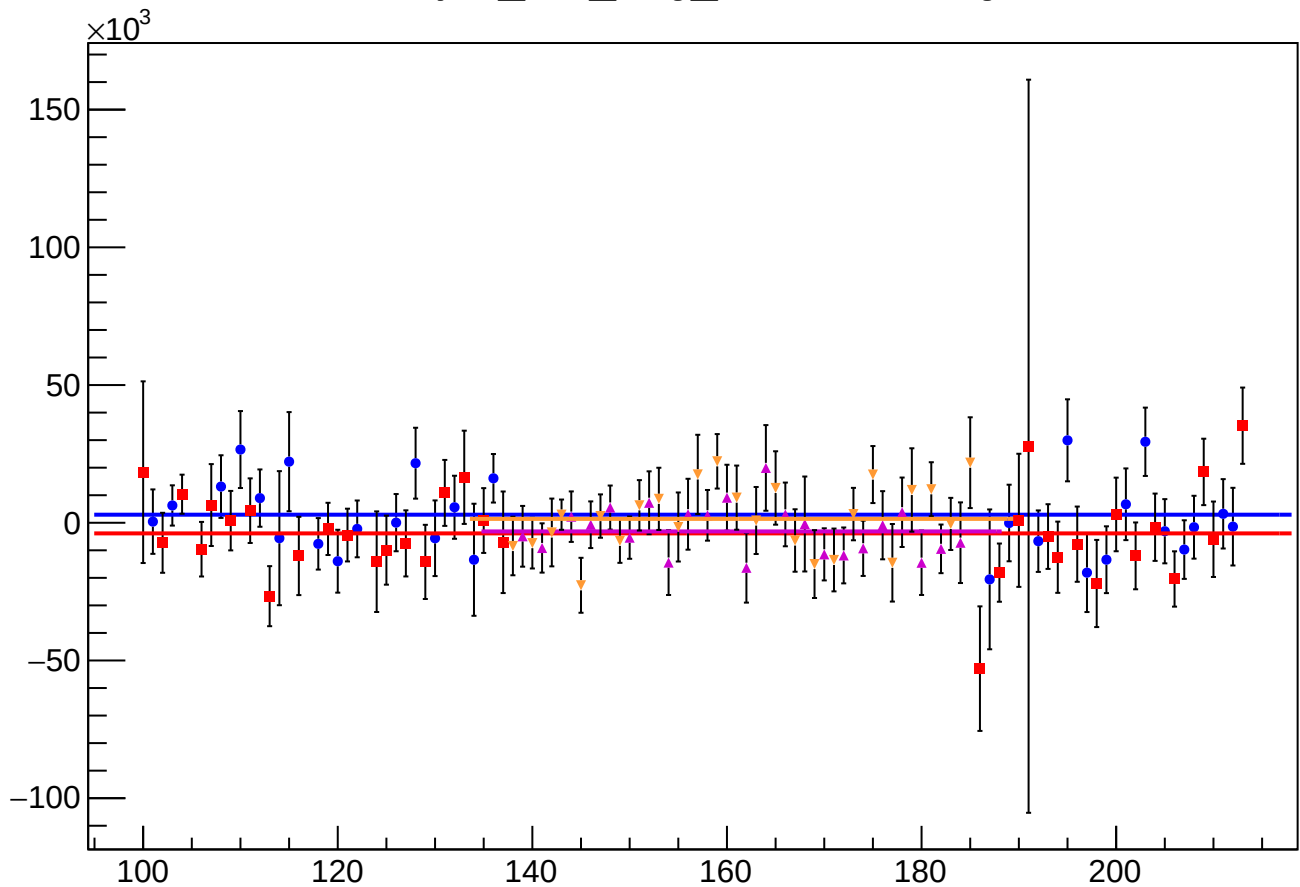
Left In: 9421.722 $\pm$ 1.588 χ^2 /NDF: 1204851.9/22

+ sign 8871.760 $\pm$ 1.070 χ^2 /NDF: 4245216.4/53

All: 8876.834 $\pm$ 0.755 χ^2 /NDF: 9096632.0/11

- sign 8881.865 $\pm$ 1.066 χ^2 /NDF: 4851370.9/56

asym_at2_avg_mean vs Slug



Right In: 2932.653+/-2216.640 χ^2/NDF : 30.3/28

Left Out: 1408.316+/-2039.907 χ^2/NDF : 27.4/24

Right Out: -3856.479+/-2135.268 χ^2/NDF : 38.6/33

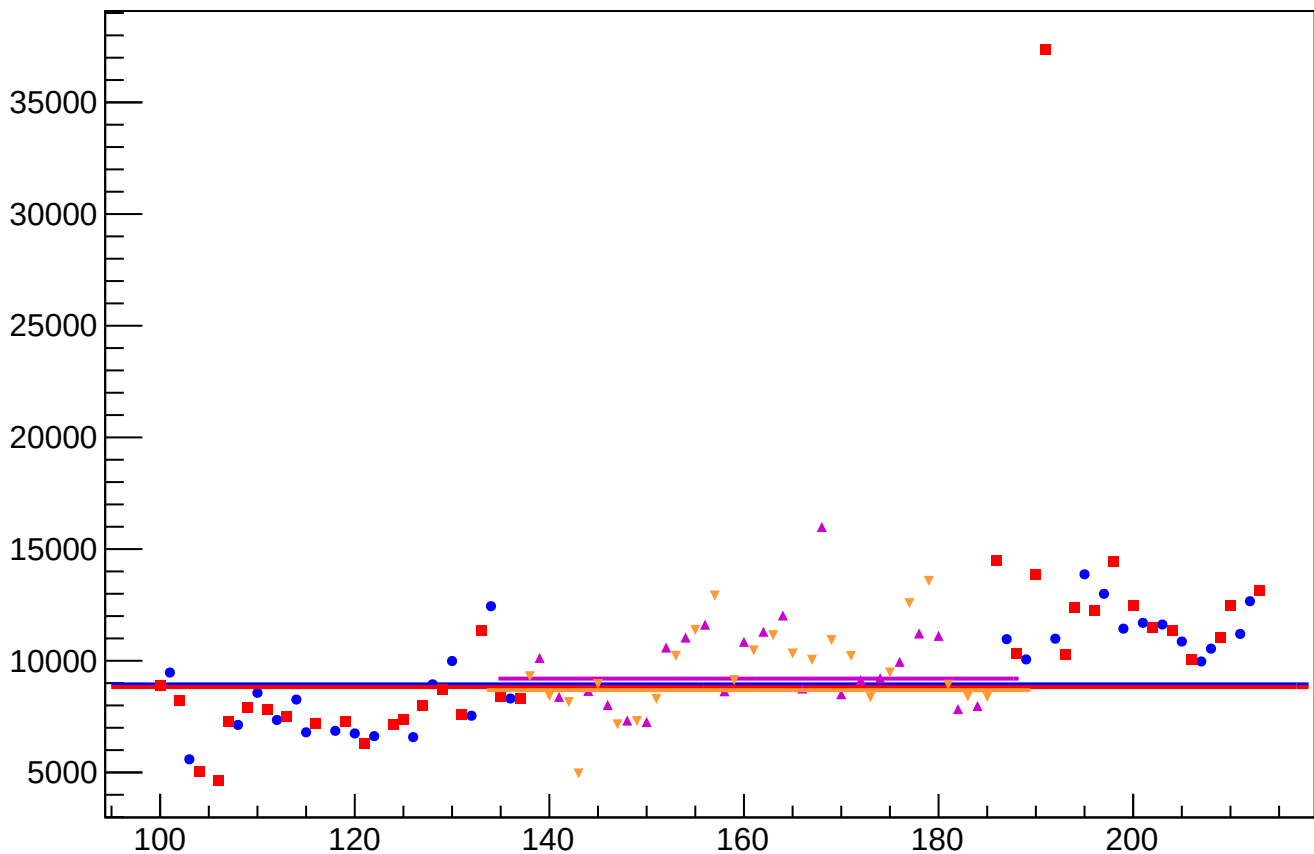
Left In: -3139.264+/-2189.465 χ^2/NDF : 13.0/22

+ sign 2107.303+/-1501.029 χ^2/NDF : 58.0/53

All: -648.573+/-1071.024 χ^2/NDF : 116.4/110

- sign -3506.858+/-1528.664 χ^2/NDF : 51.6/56

asym_at2_avg_rms vs Slug



Right In: 8942.624+/-1.567 χ^2/NDF : 2099791.1/28

Left Out: 8684.549+/-1.442 χ^2/NDF : 2051622.3/24

Right Out: 8822.352+/-1.510 χ^2/NDF : 3019548.4/33

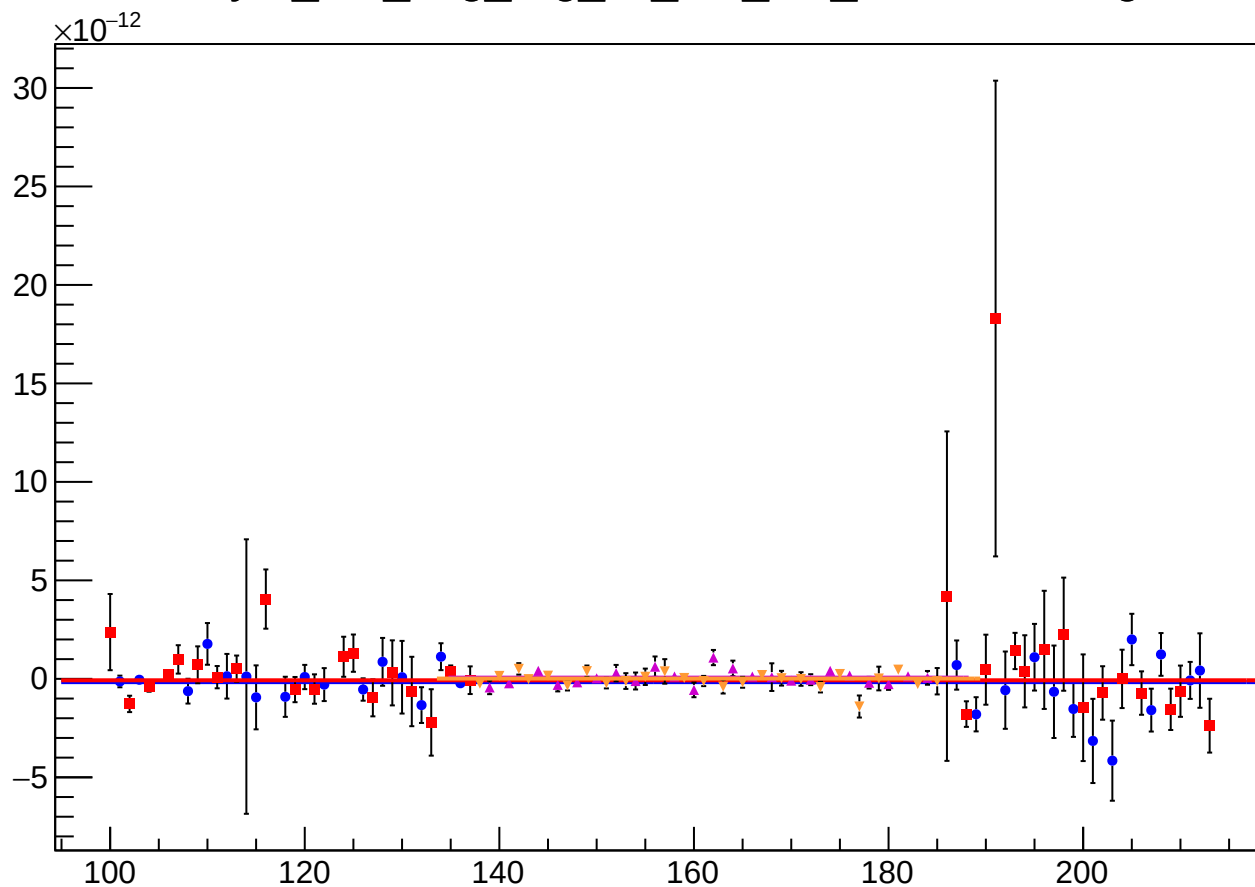
Left In: 9200.796+/-1.548 χ^2/NDF : 1129421.3/22

+ sign 8802.890+/-1.061 χ^2/NDF : 4166092.2/53

All: 8902.999+/-0.757 χ^2/NDF : 8363810.6/11

- sign 9006.823+/-1.081 χ^2/NDF : 4179596.2/56

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 52.3/33

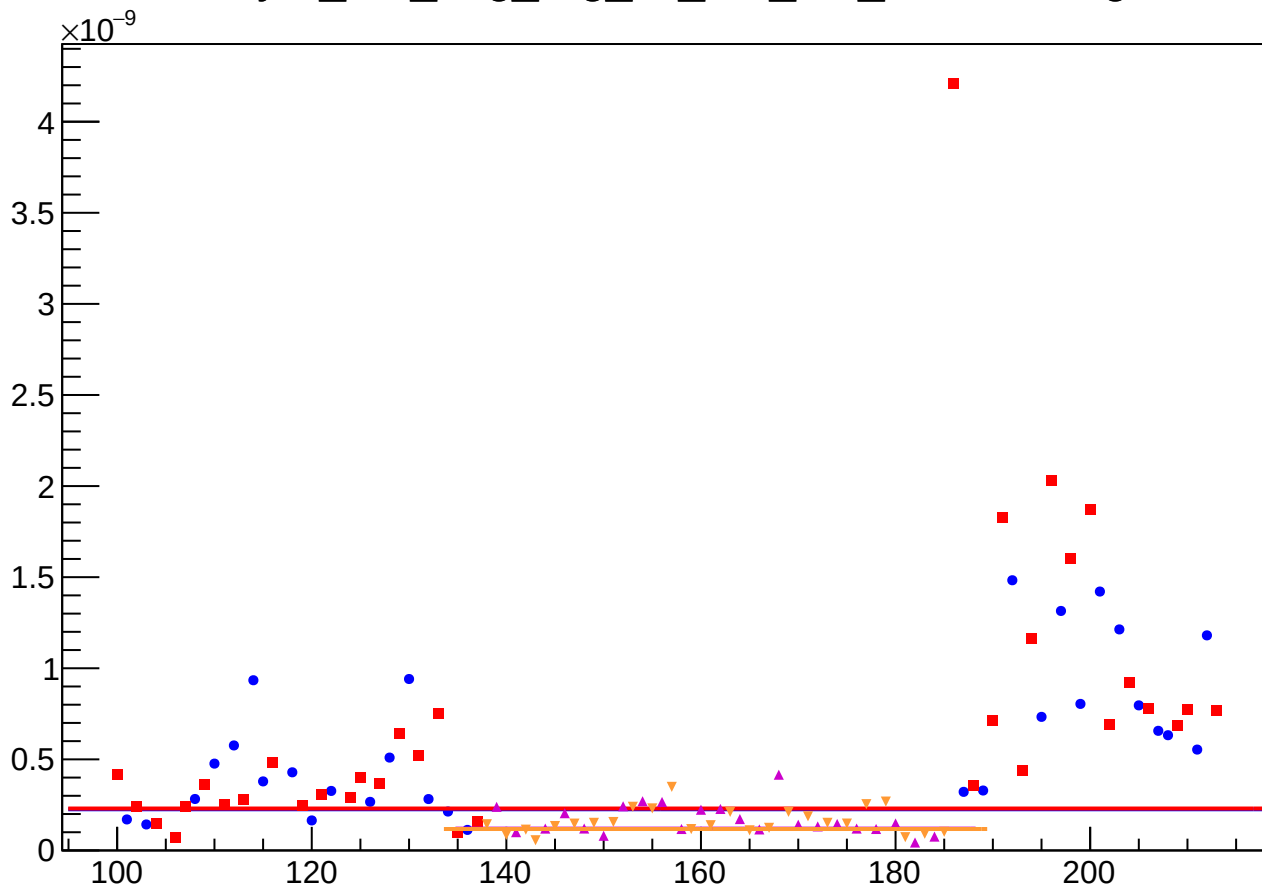
Left In: 0.000 ± 0.000 χ^2/NDF : 27.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.3/53

All: 0.000 ± 0.000 χ^2/NDF : 142.1/110

- sign 0.000 ± 0.000 χ^2/NDF : 81.2/56

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6486264.7/28

Left Out: 0.000+/-0.000 χ^2/NDF :2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7501156.4/33

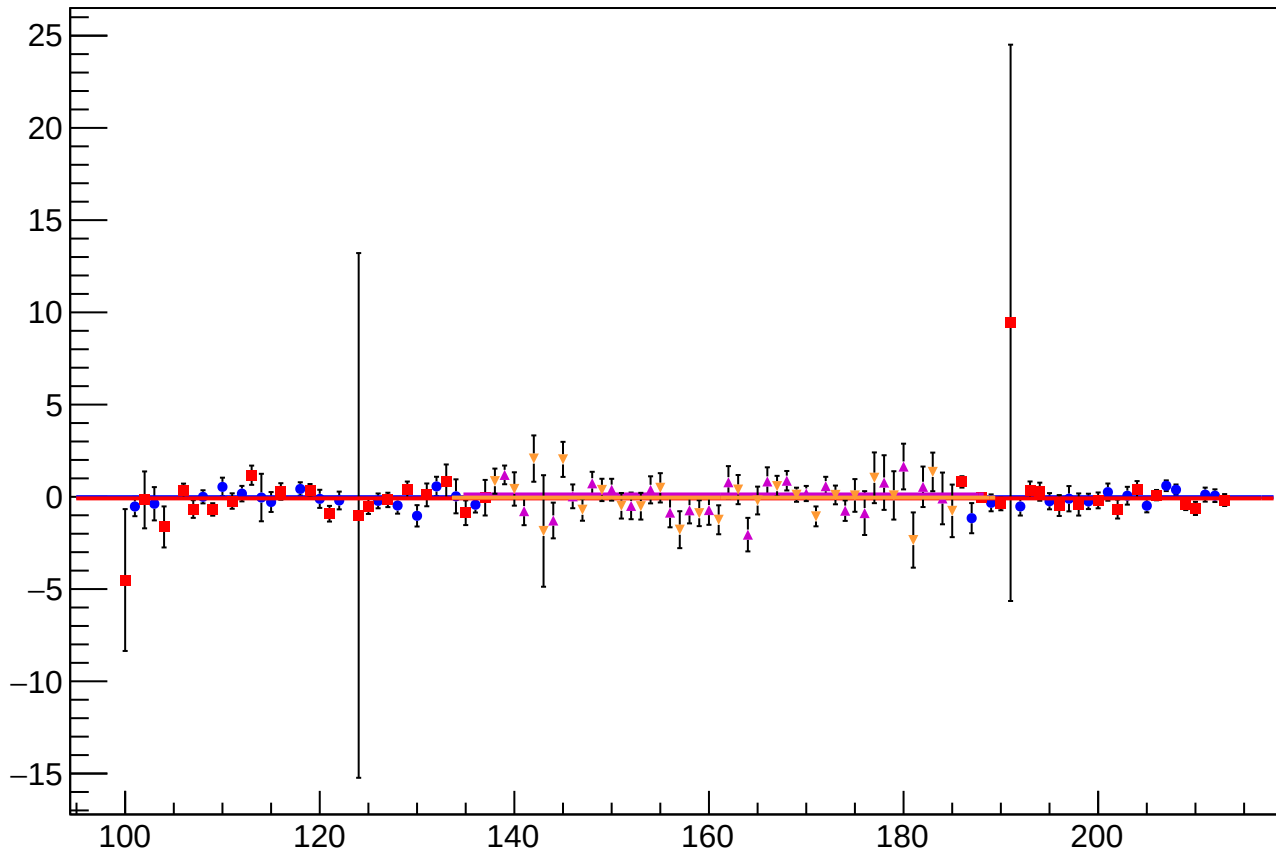
Left In: 0.000+/-0.000 χ^2/NDF :2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 10348466.2/53

All: 0.000+/-0.000 χ^2/NDF : 22025854.4/110

- sign 0.000+/-0.000 χ^2/NDF : 11670688.0/56

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.082 χ^2/NDF : 23.8/28

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.084 ± 0.072 χ^2/NDF : 43.3/33

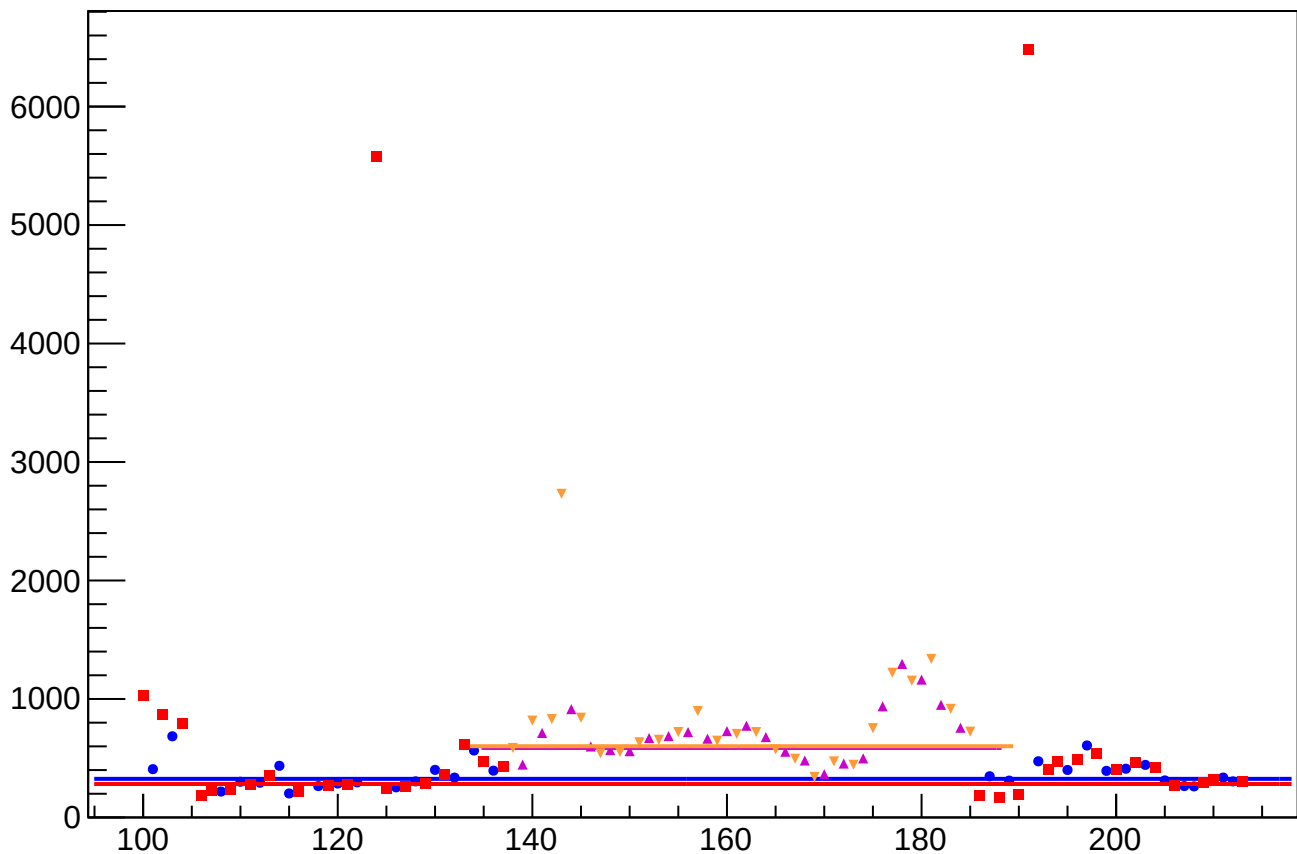
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.024 ± 0.072 χ^2/NDF : 54.0/53

All: -0.034 ± 0.048 χ^2/NDF : 128.1/110

- sign -0.042 ± 0.065 χ^2/NDF : 74.1/56

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 325.830 ± 0.058 χ^2/NDF : 2069063.5/28

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460456.7/24

Right Out: 282.436 ± 0.051 χ^2/NDF : 5021010.8/33

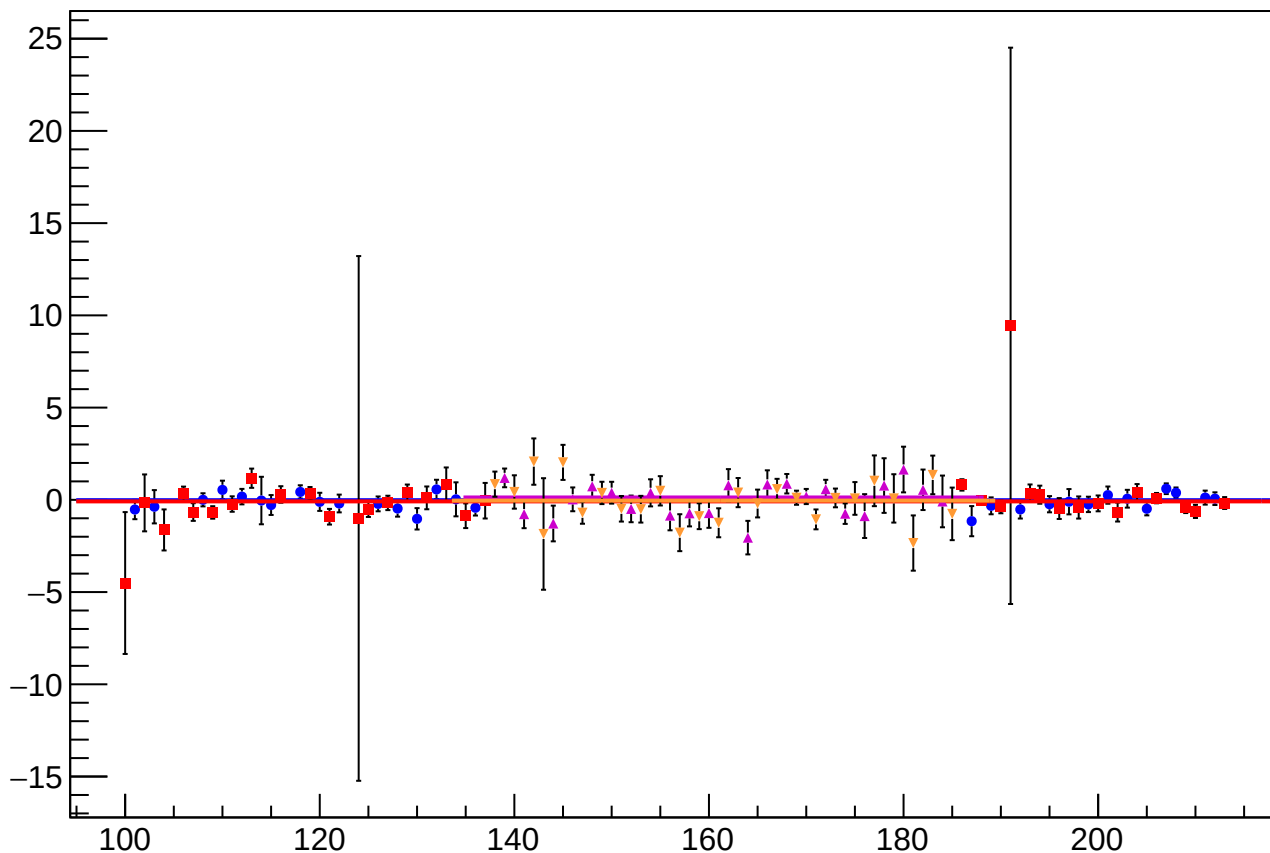
Left In: 586.817 ± 0.103 χ^2/NDF : 2934488.2/22

+ sign 391.412 ± 0.051 χ^2/NDF : 11839549.6/53

All: 364.719 ± 0.034 χ^2/NDF : 27330756.0/1

- sign 343.083 ± 0.046 χ^2/NDF : 14993345.7/56

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.082 χ^2/NDF : 23.8/28

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.084 ± 0.072 χ^2/NDF : 43.3/33

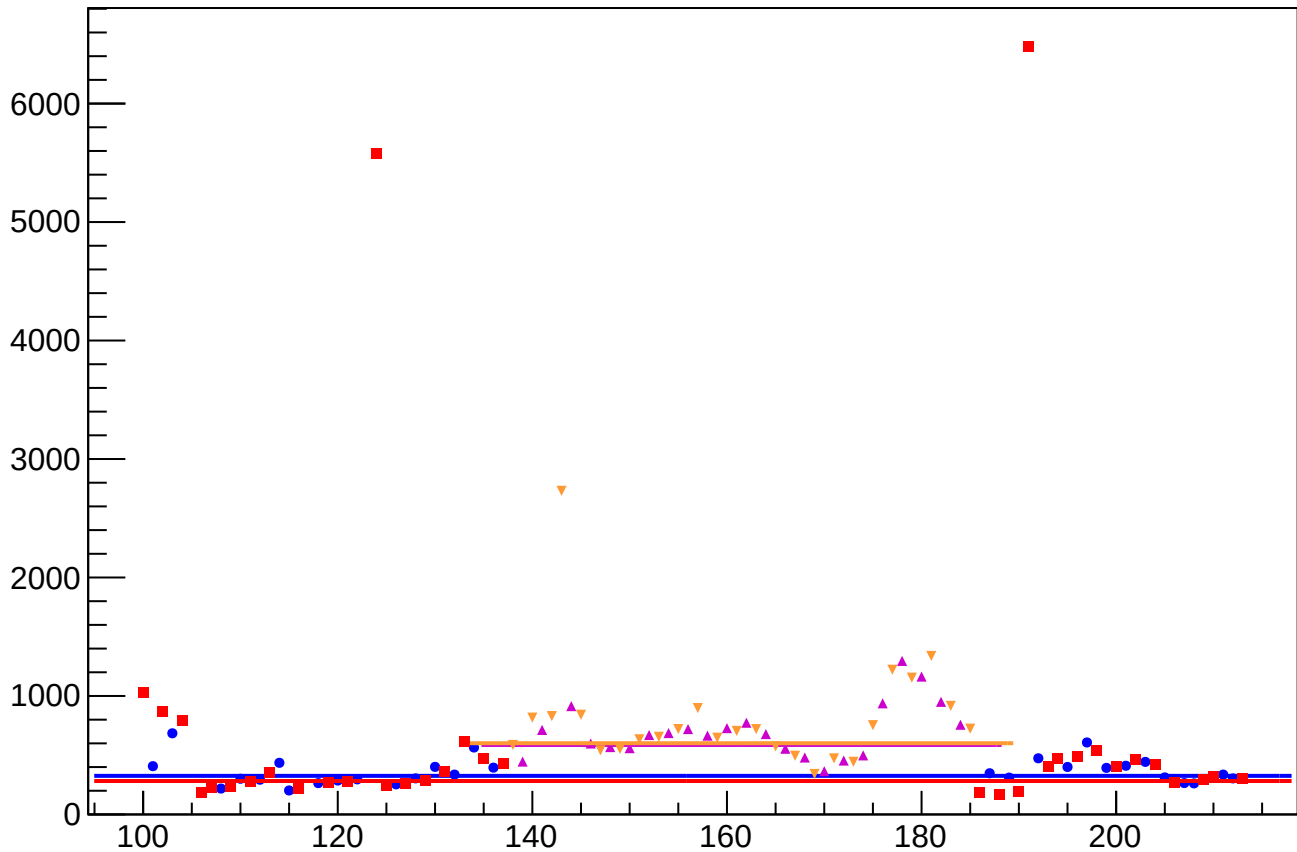
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.024 ± 0.072 χ^2/NDF : 54.0/53

All: -0.034 ± 0.048 χ^2/NDF : 128.1/110

- sign -0.042 ± 0.065 χ^2/NDF : 74.1/56

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 325.830 ± 0.058 χ^2/NDF : 2069063.5/28

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460456.7/24

Right Out: 282.436 ± 0.051 χ^2/NDF : 5021010.8/33

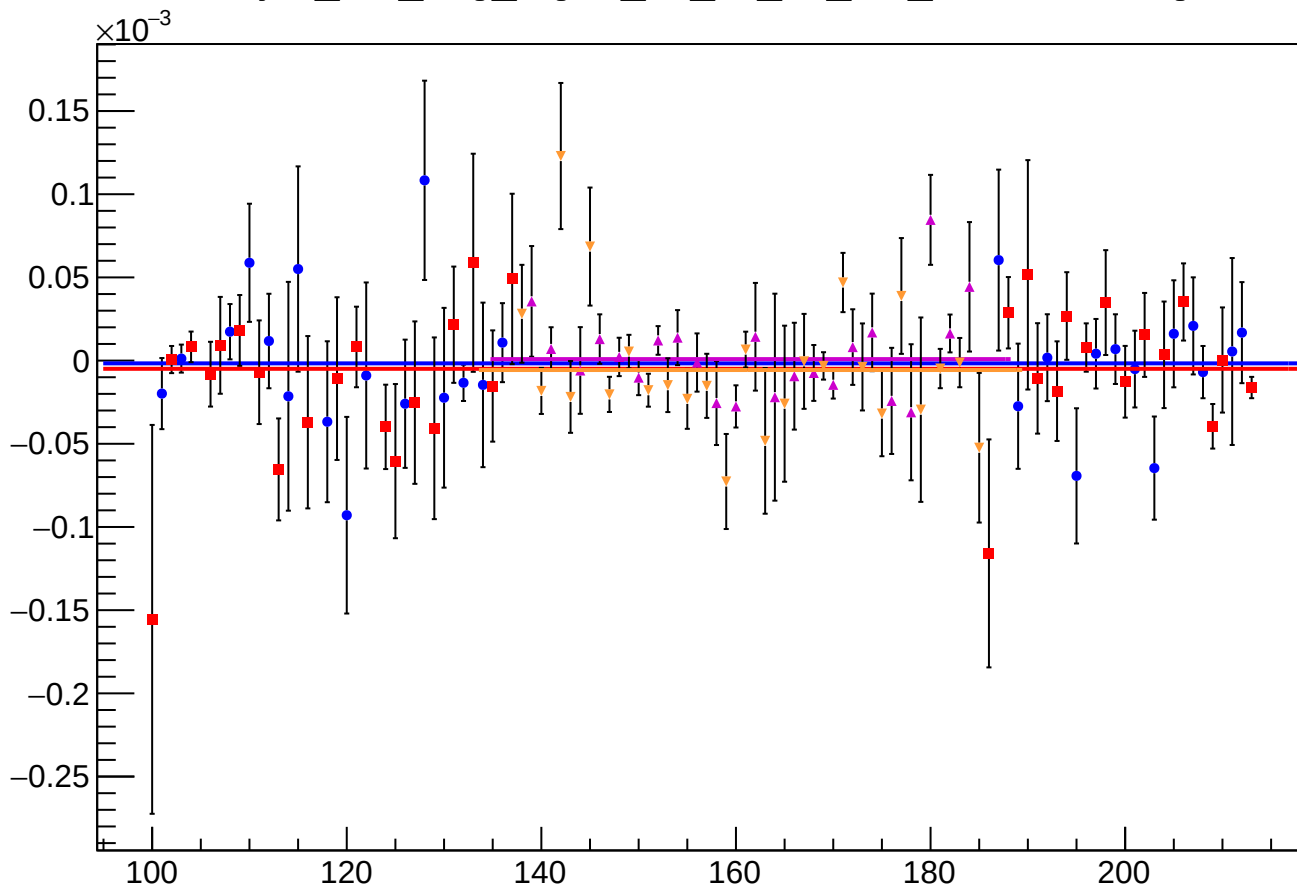
Left In: 586.817 ± 0.103 χ^2/NDF : 2934488.2/22

+ sign 391.412 ± 0.051 χ^2/NDF : 11839549.6/53

All: 364.719 ± 0.034 χ^2/NDF : 27330756.0/1

- sign 343.083 ± 0.046 χ^2/NDF : 14993345.7/56

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.9/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 40.3/33

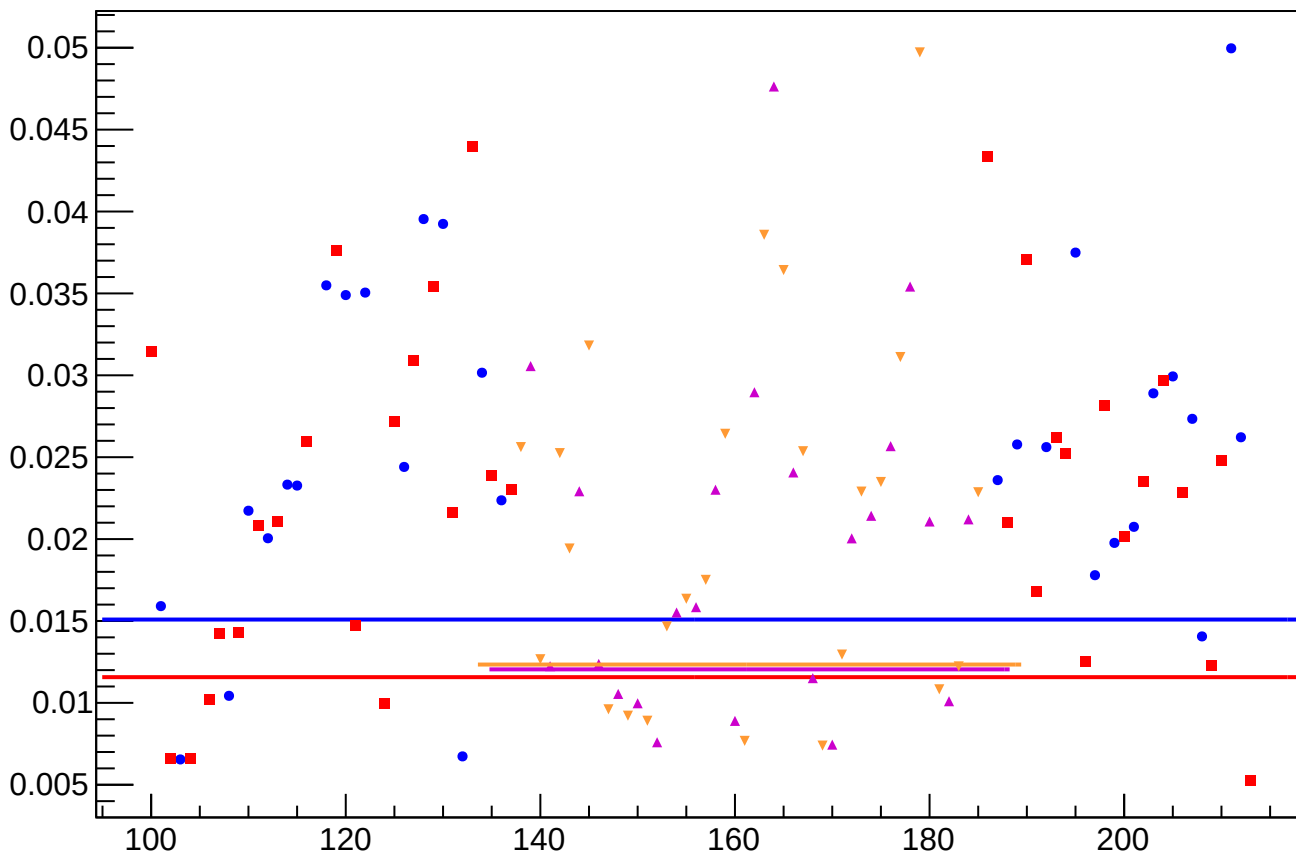
Left In: 0.000 ± 0.000 χ^2/NDF : 30.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.0/53

All: -0.000 ± 0.000 χ^2/NDF : 140.5/110

- sign -0.000 ± 0.000 χ^2/NDF : 72.1/56

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 9263863.2/28

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 7839123.8/24

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 17619395.1/53

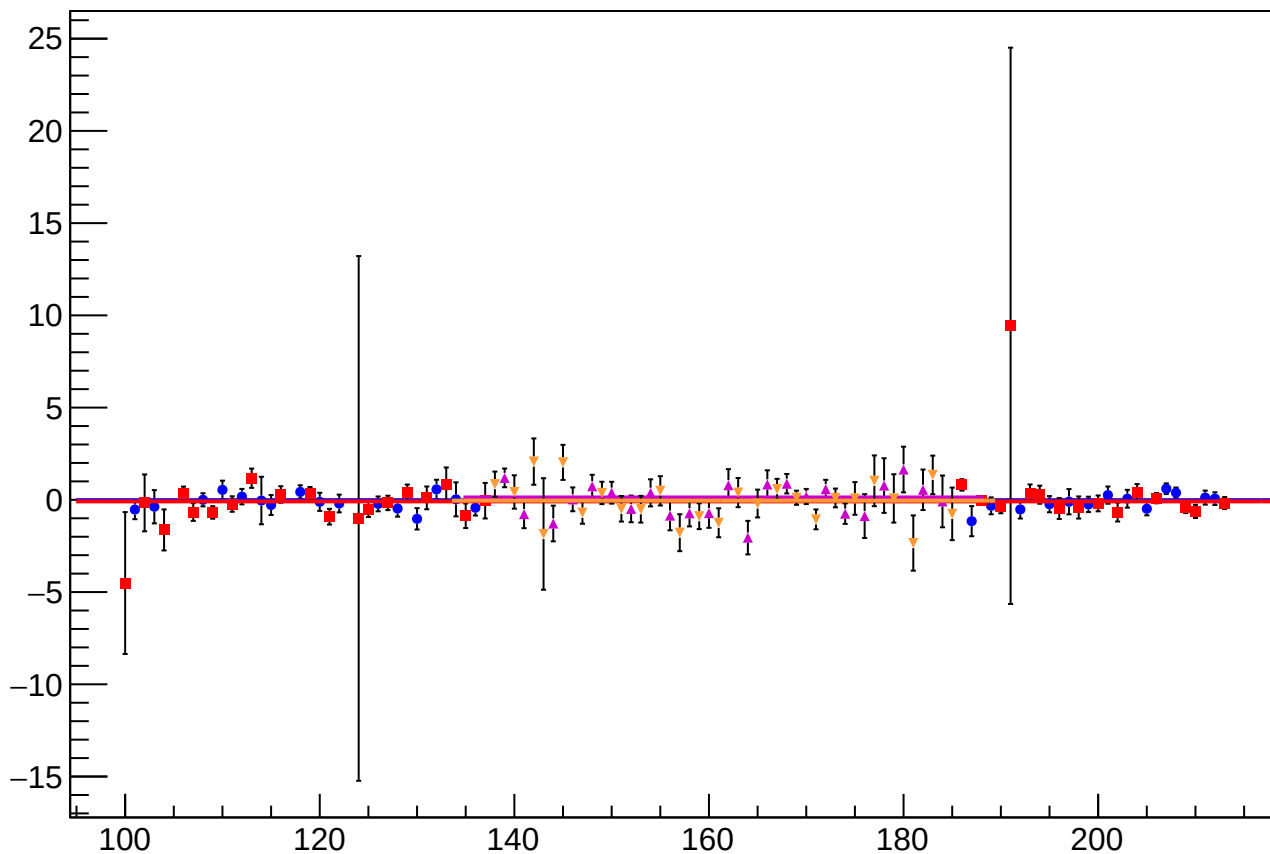
Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 11427831.0/33

All: 0.012 $\pm$ 0.000 χ^2/NDF : 35829072.8/110

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 17828105.5/56

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 6379401.9/22

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.082 χ^2/NDF : 23.8/28

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.084 ± 0.072 χ^2/NDF : 43.3/33

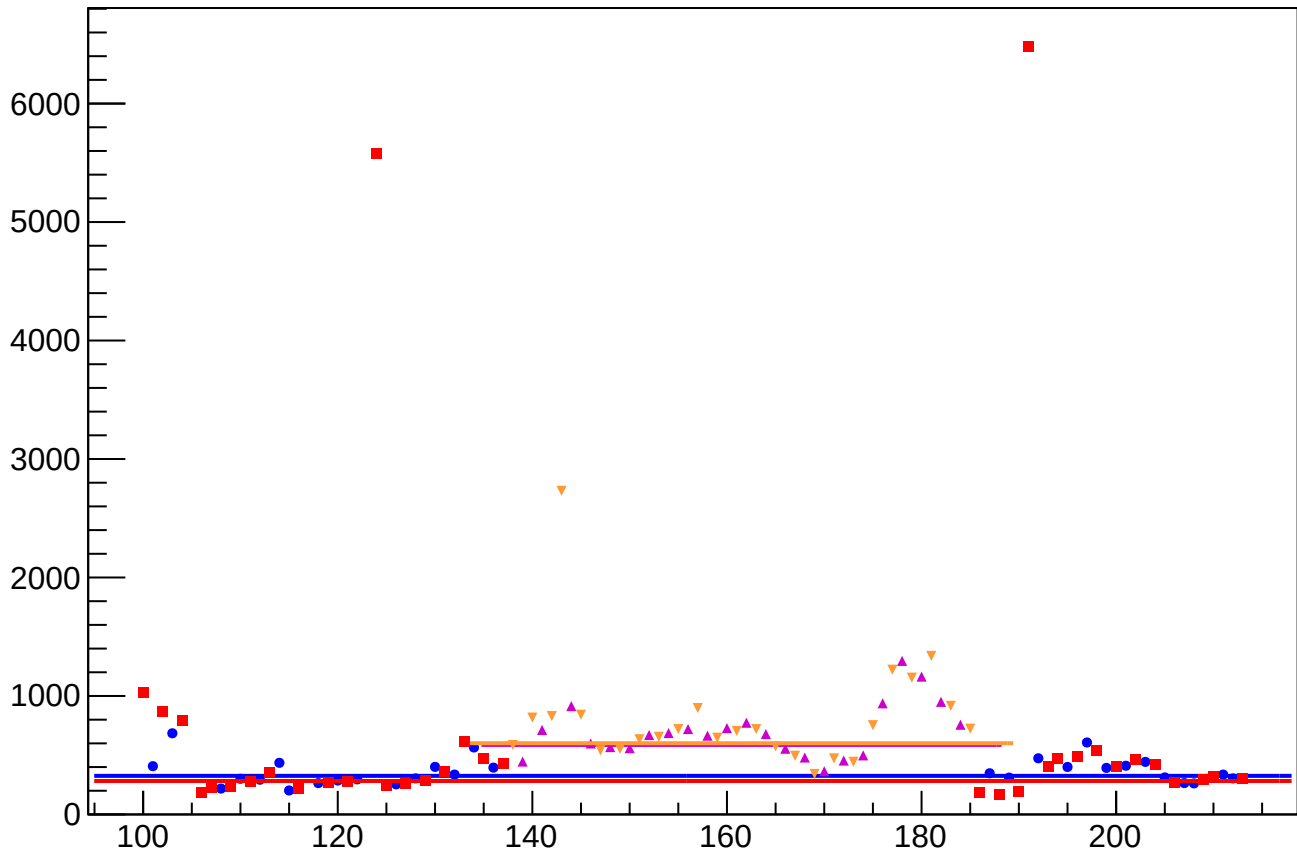
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.024 ± 0.072 χ^2/NDF : 54.0/53

All: -0.034 ± 0.048 χ^2/NDF : 128.1/110

- sign -0.042 ± 0.065 χ^2/NDF : 74.1/56

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 325.830 ± 0.058 χ^2/NDF : 2069054.9/28

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460662.1/24

Right Out: 282.430 ± 0.051 χ^2/NDF : 5021331.5/33

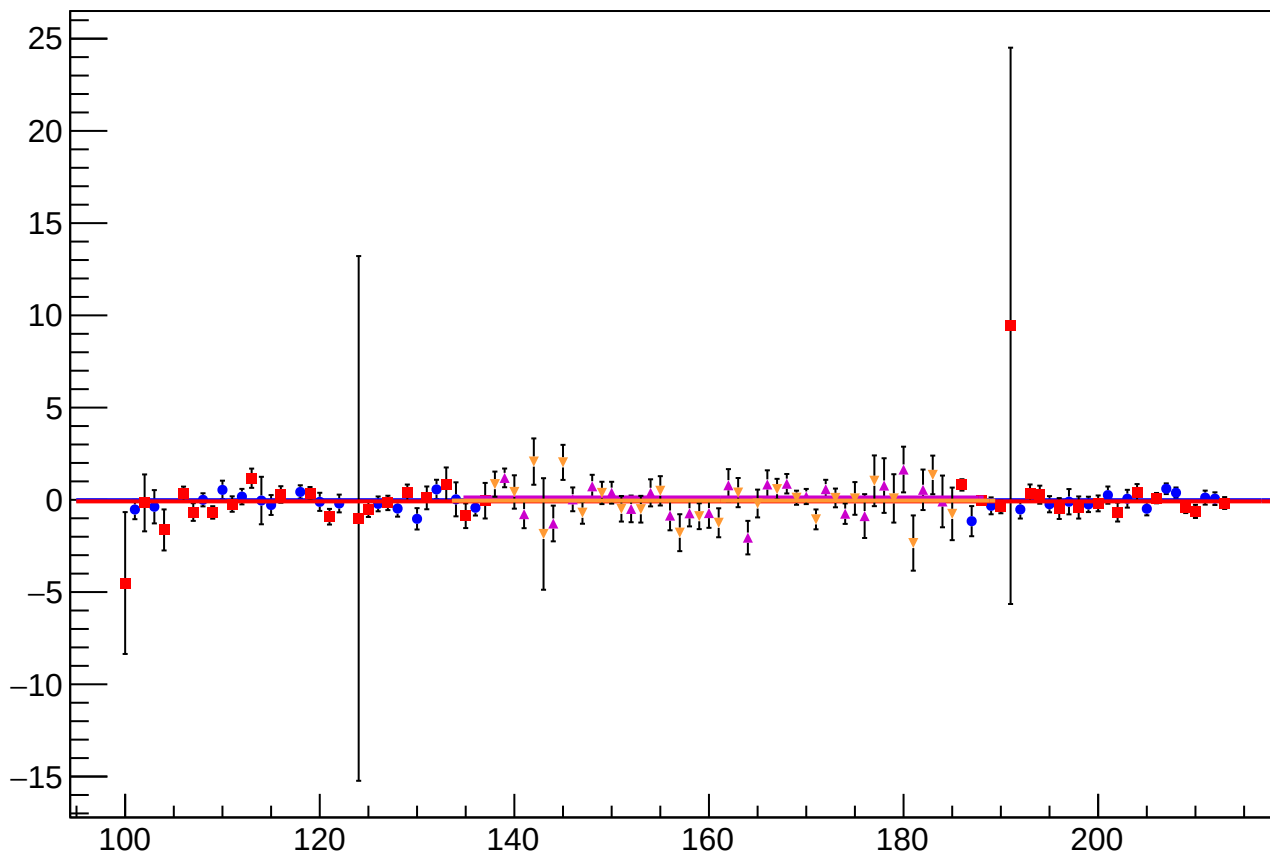
Left In: 586.820 ± 0.103 χ^2/NDF : 2934613.3/22

+ sign 391.411 ± 0.051 χ^2/NDF : 11839757.6/53

All: 364.715 ± 0.034 χ^2/NDF : 27331909.3/11

- sign 343.076 ± 0.046 χ^2/NDF : 14994171.2/56

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.082 χ^2/NDF : 23.8/28

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.084 ± 0.072 χ^2/NDF : 43.3/33

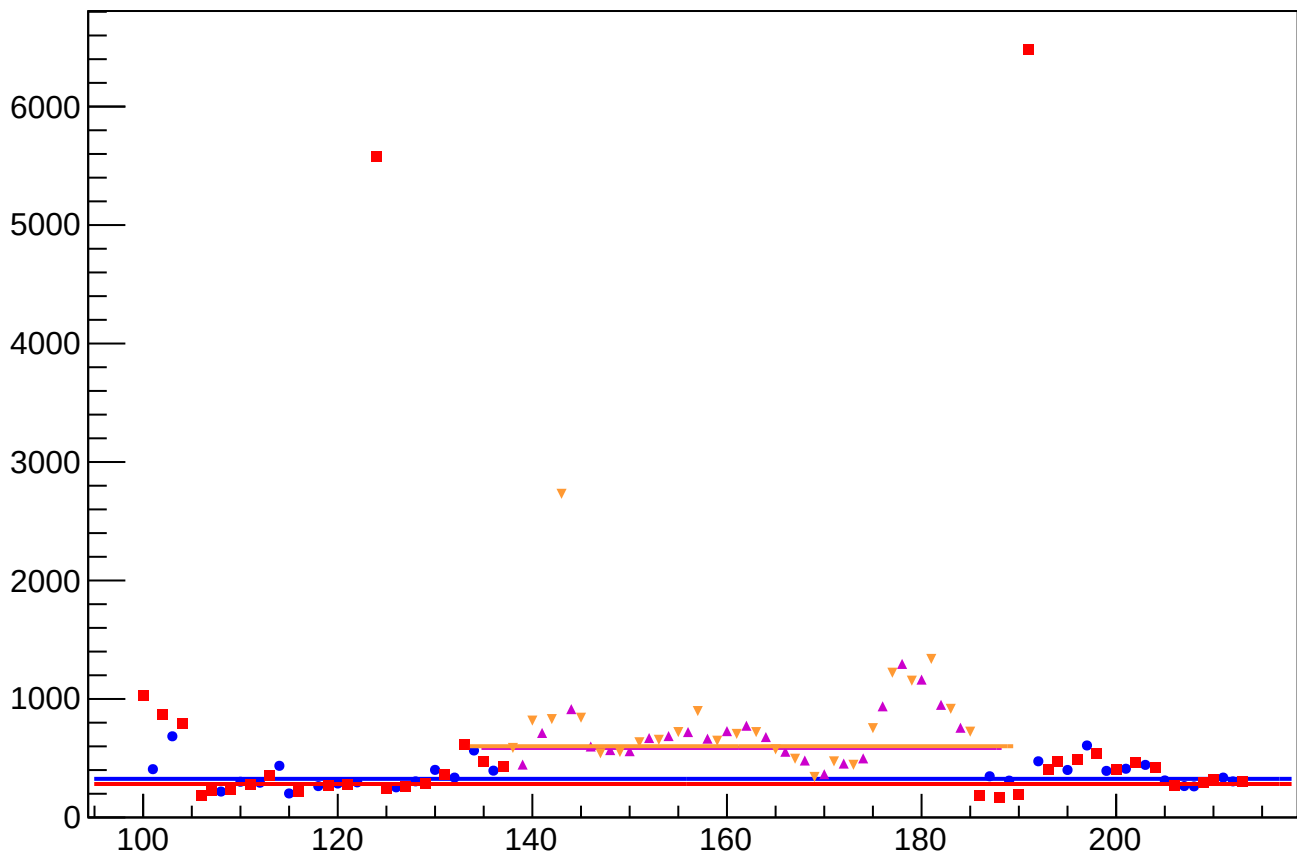
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.024 ± 0.072 χ^2/NDF : 54.0/53

All: -0.034 ± 0.048 χ^2/NDF : 128.1/110

- sign -0.042 ± 0.065 χ^2/NDF : 74.1/56

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 325.830+/-0.058 χ^2/NDF : 2069054.9/28

Left Out: 601.214+/-0.104 χ^2/NDF : 4460662.1/24

Right Out: 282.430+/-0.051 χ^2/NDF : 5021331.5/33

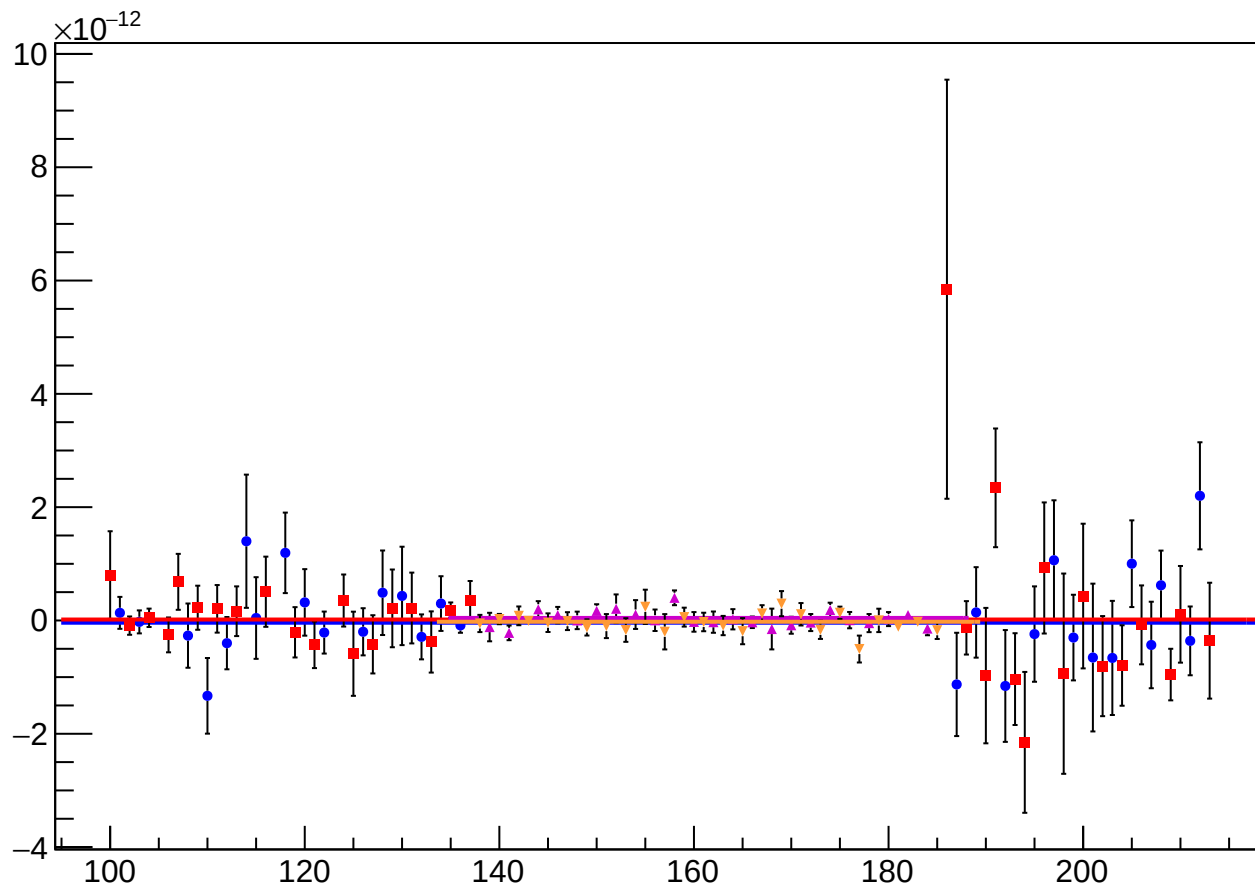
Left In: 586.820+/-0.103 χ^2/NDF : 2934613.3/22

+ sign 391.411+/-0.051 χ^2/NDF : 11839757.6/53

All: 364.715+/-0.034 χ^2/NDF : 27331909.3/11

- sign 343.076+/-0.046 χ^2/NDF : 14994171.2/56

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.8/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.7/33

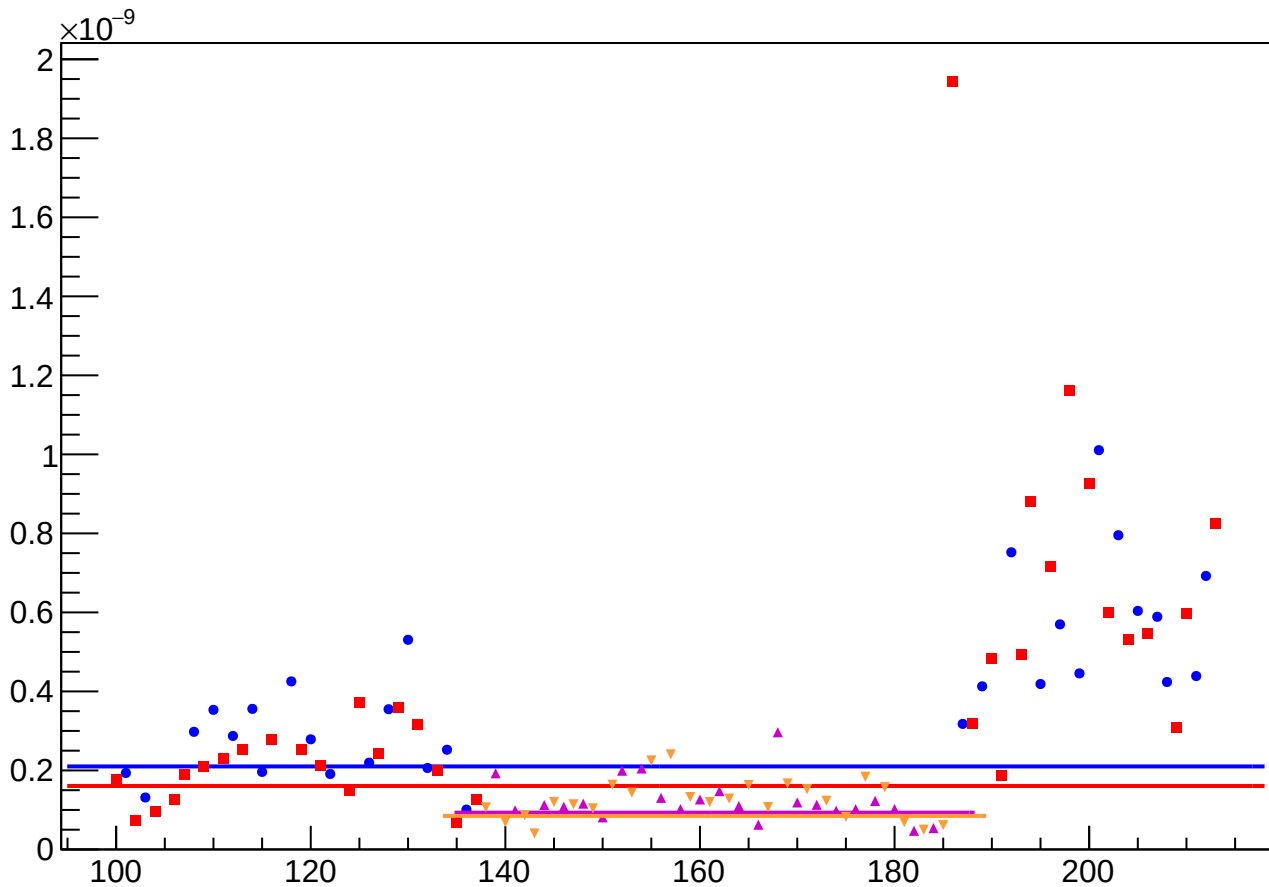
Left In: 0.000 ± 0.000 χ^2/NDF : 22.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.2/53

All: 0.000 ± 0.000 χ^2/NDF : 100.2/110

- sign 0.000 ± 0.000 χ^2/NDF : 54.8/56

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7327920.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9629668.8/33

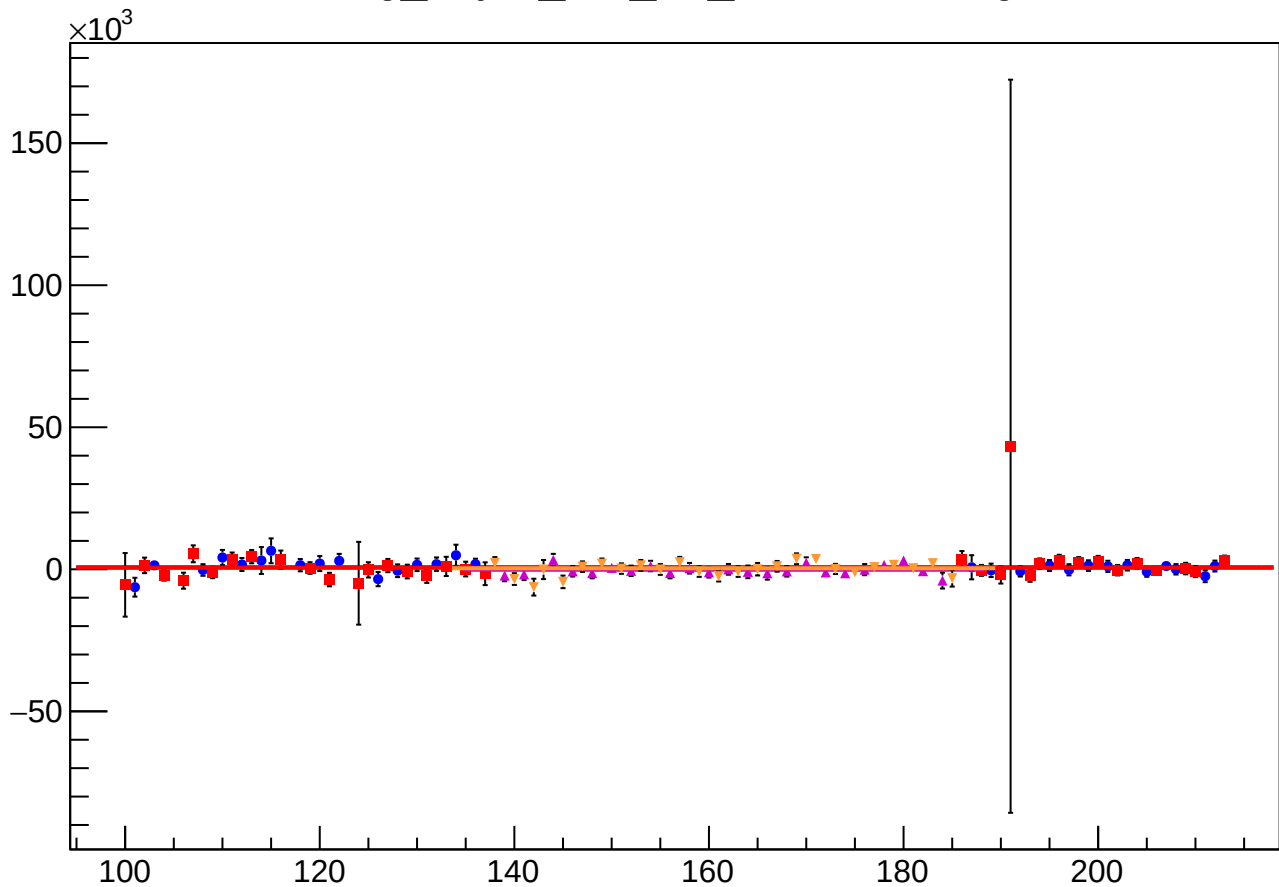
Left In: 0.000+/-0.000 χ^2/NDF : 3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 17221710.9/53

All: 0.000+/-0.000 χ^2/NDF : 32530519.9/110

- sign 0.000+/-0.000 χ^2/NDF : 15245023.9/56

reg_asym_at2_dd_mean vs Slug



Right In: 692.084 $\pm$ 405.864 χ^2 /NDF: 19.6/28

Left Out: 361.645 $\pm$ 388.131 χ^2 /NDF:29.6/24

Right Out: 555.511 $\pm$ 396.263 χ^2 /NDF: 31.0/33

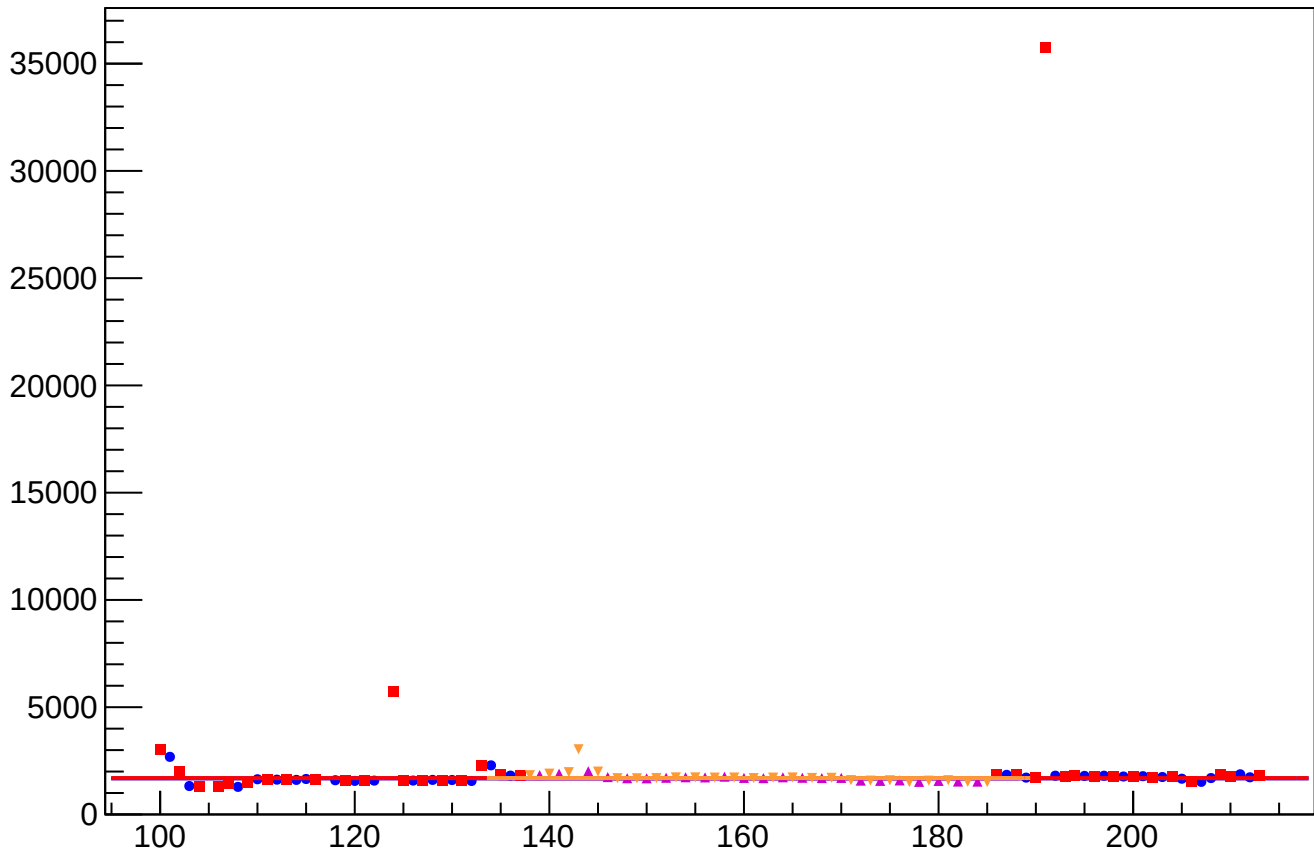
Left In: -157.028 $\pm$ 394.257 χ^2 /NDF:16.0/22

+ sign 519.488 $\pm$ 280.510 χ^2 /NDF: 49.6/53

All: 357.874 $\pm$ 197.988 χ^2 /NDF: 98.9/110

- sign 197.434 $\pm$ 279.488 χ^2 /NDF: 48.7/56

reg_asym_at2_dd_rms vs Slug



Right In: 1681.161 $\pm$ 0.287 χ^2 /NDF: 507599.9/28

Left Out: 1697.496 $\pm$ 0.274 χ^2 /NDF: 495397.9/24

Right Out: 1694.429 $\pm$ 0.280 χ^2 /NDF: 720701.7/33

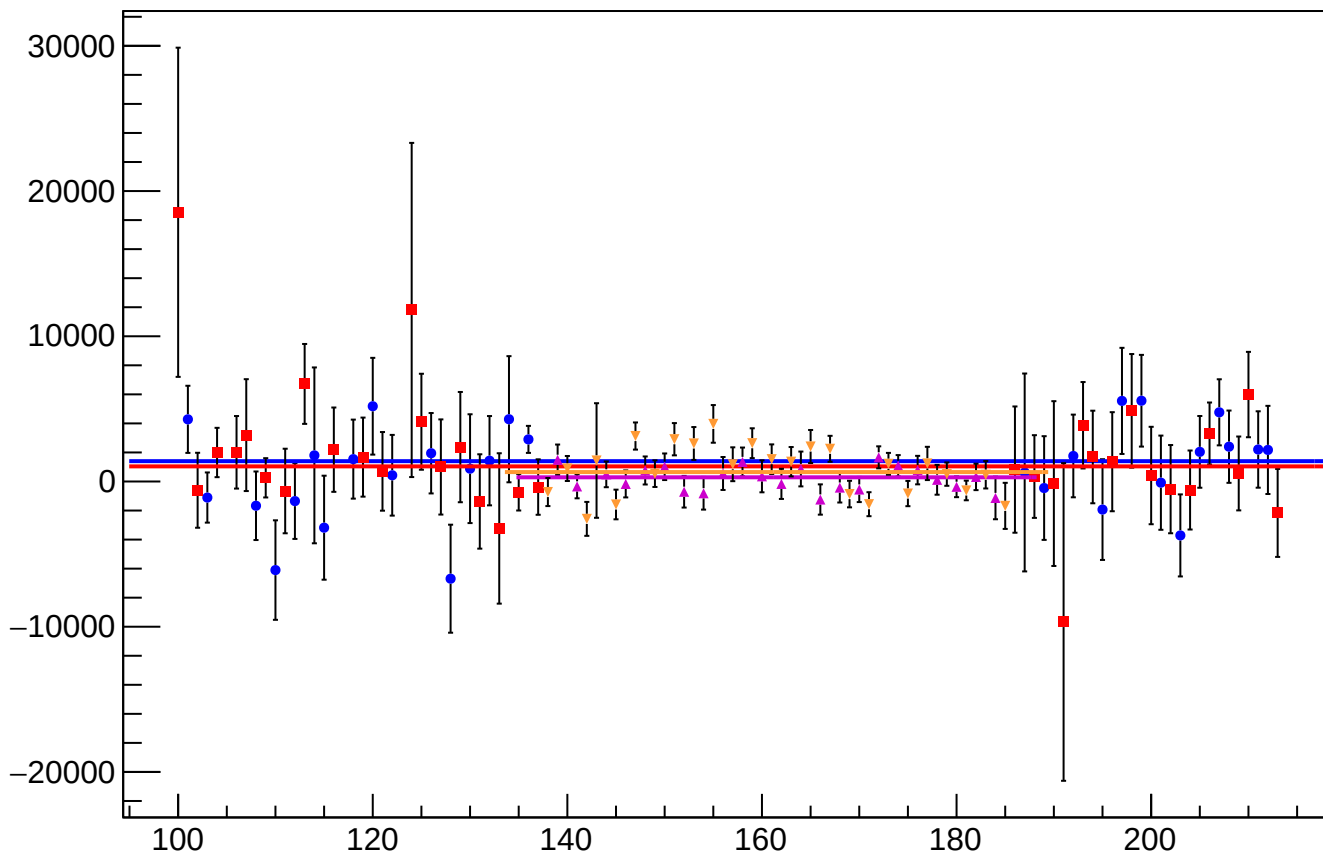
Left In: 1684.577 $\pm$ 0.279 χ^2 /NDF: 165355.7/22

+ sign 1689.693 $\pm$ 0.198 χ^2 /NDF: 1004689.8/53

All: 1689.585 $\pm$ 0.140 χ^2 /NDF: 1891369.1/11

- sign 1689.478 $\pm$ 0.198 χ^2 /NDF: 886678.7/56

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1399.561 $\pm$ 473.725 χ^2 /NDF: 32.4/28

Left Out: 649.165 $\pm$ 195.671 χ^2 /NDF: 65.5/24

Right Out: 1041.117 $\pm$ 459.920 χ^2 /NDF: 23.1/33

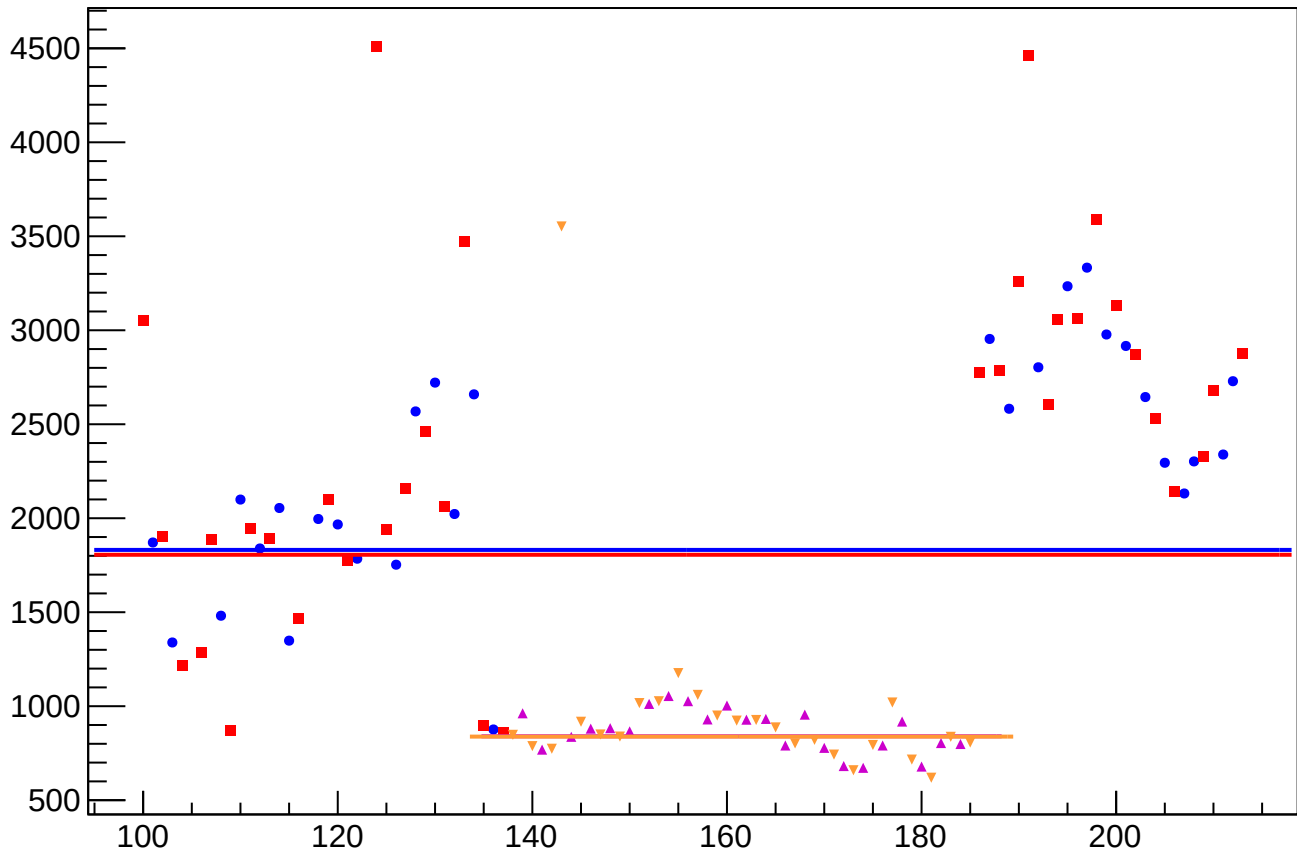
Left In: 288.616 $\pm$ 198.494 χ^2 /NDF: 16.6/22

+ sign 758.530 $\pm$ 180.851 χ^2 /NDF: 100.1/53

All: 584.002 $\pm$ 128.371 χ^2 /NDF: 143.9/110

- sign 406.772 $\pm$ 182.245 χ^2 /NDF: 41.9/56

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1831.492 $\pm$ 0.335 χ^2 /NDF: 4771438.2/28

Left Out: 838.243 $\pm$ 0.138 χ^2 /NDF:1800245.5/24

+ sign 983.002 $\pm$ 0.128 χ^2 /NDF: 14082432.4/53

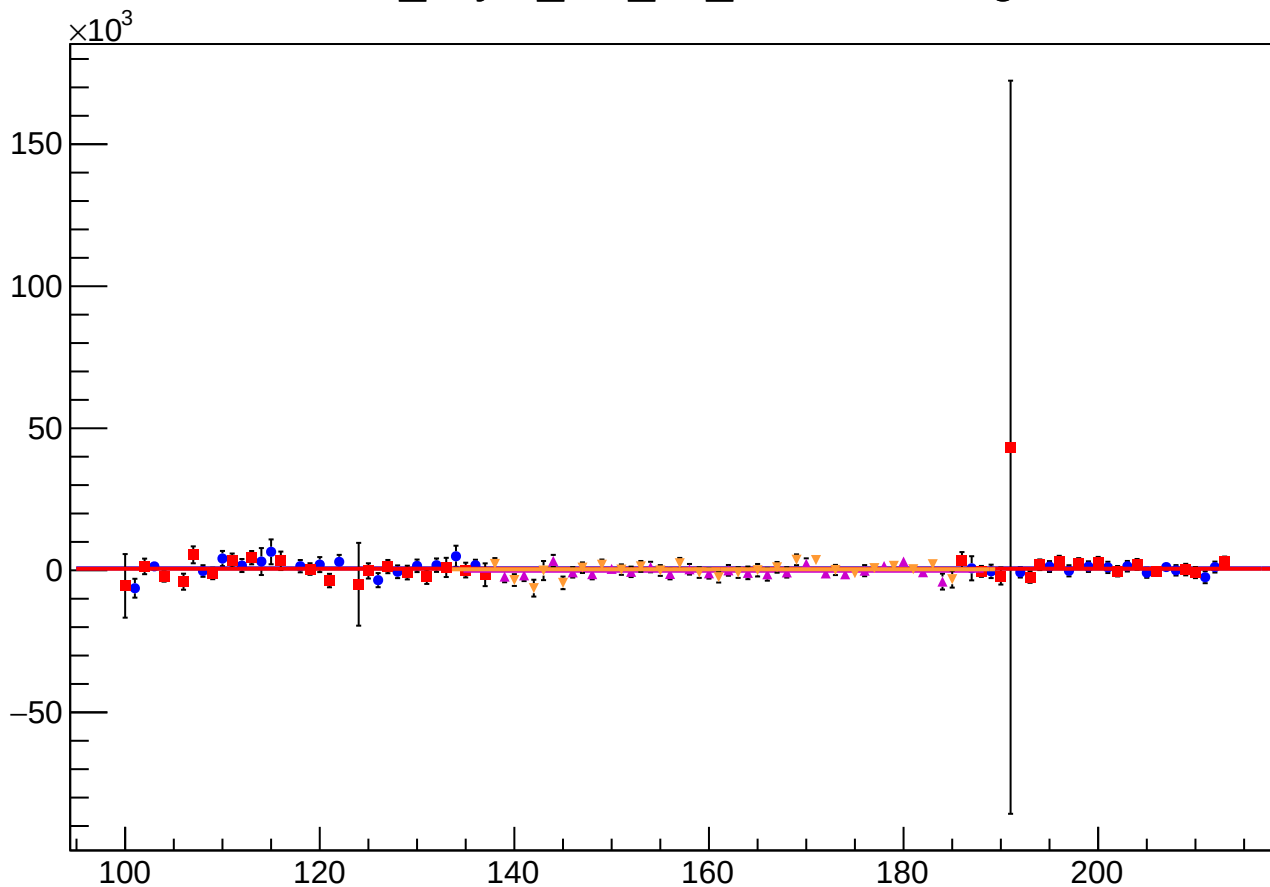
Right Out: 1805.674 $\pm$ 0.325 χ^2 /NDF: 6306491.1/33

All: 987.272 $\pm$ 0.091 χ^2 /NDF: 28493561.6/11

Left In: 839.976 $\pm$ 0.140 χ^2 /NDF:669341.7/22

- sign 991.608 $\pm$ 0.129 χ^2 /NDF: 14408882.1/56

cor_asym_at2_dd_mean vs Slug



Right In: 692.132 $\pm$ 405.864 χ^2 /NDF: 19.6/28

Left Out: 361.560 $\pm$ 388.131 χ^2 /NDF:29.6/24

Right Out: 555.608 $\pm$ 396.263 χ^2 /NDF: 31.0/33

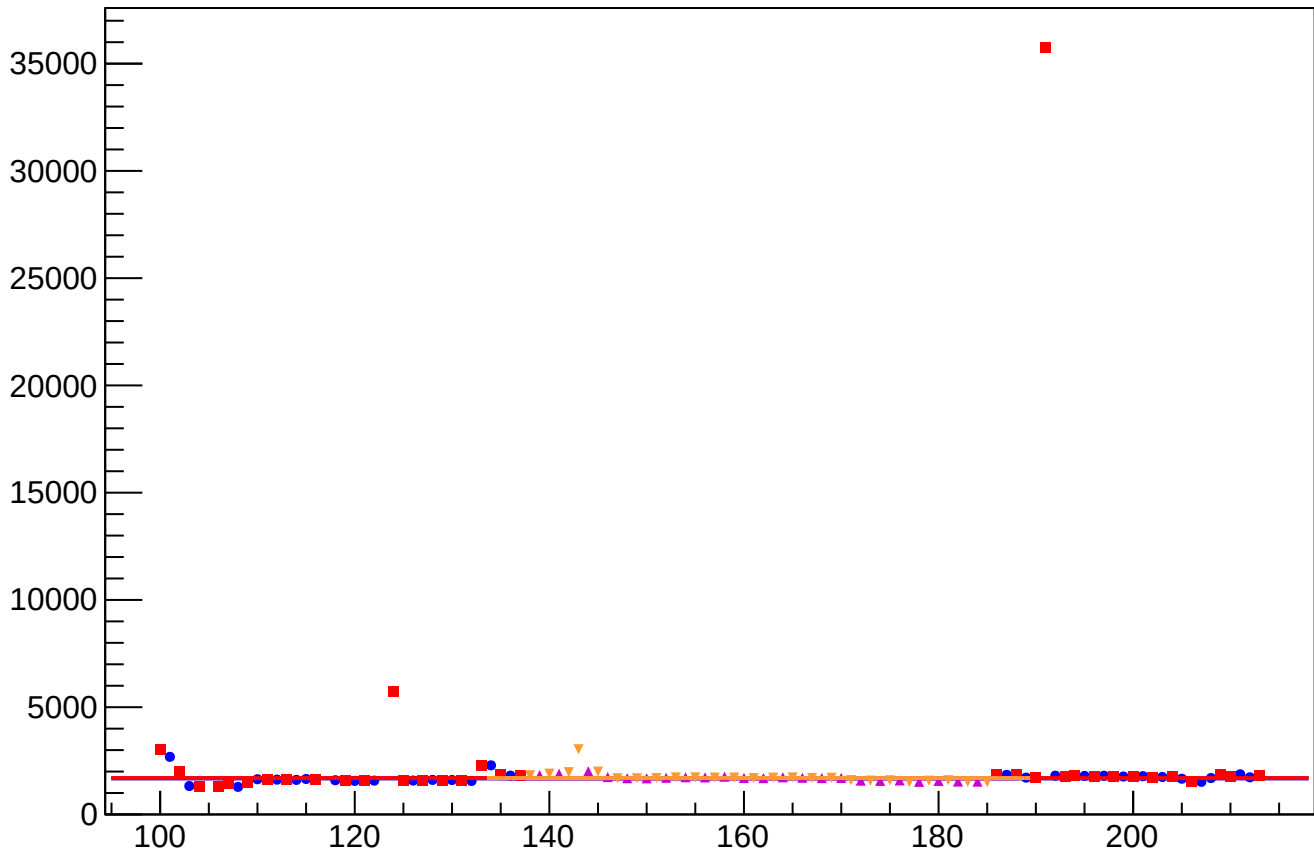
Left In: -156.934 $\pm$ 394.258 χ^2 /NDF:16.0/22

+ sign 519.467 $\pm$ 280.510 χ^2 /NDF: 49.6/53

All: 357.911 $\pm$ 197.988 χ^2 /NDF: 98.9/110

- sign 197.530 $\pm$ 279.488 χ^2 /NDF: 48.7/56

cor_asym_at2_dd_rms vs Slug



Right In: 1681.161+/-0.287 χ^2/NDF : 507600.2/28

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF : 720701.9/33

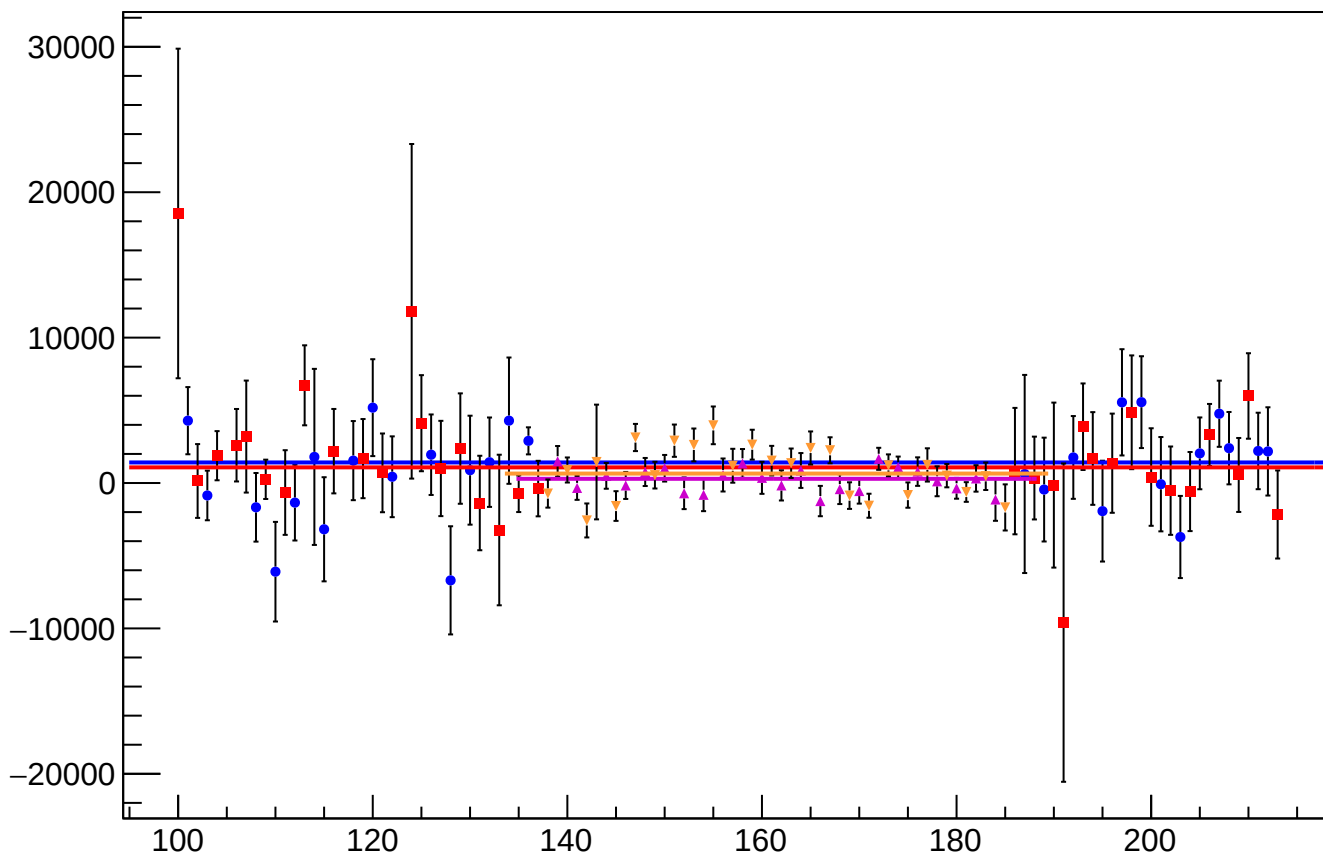
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1689.693+/-0.198 χ^2/NDF : 1004690.2/53

All: 1689.585+/-0.140 χ^2/NDF : 1891369.6/11

- sign 1689.478+/-0.198 χ^2/NDF : 886678.8/56

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1414.511+/-473.274 χ^2/NDF : 32.1/28

Left Out: 649.165+/-195.673 χ^2/NDF : 65.5/24

Right Out: 1076.055+/-459.487 χ^2/NDF : 23.0/33

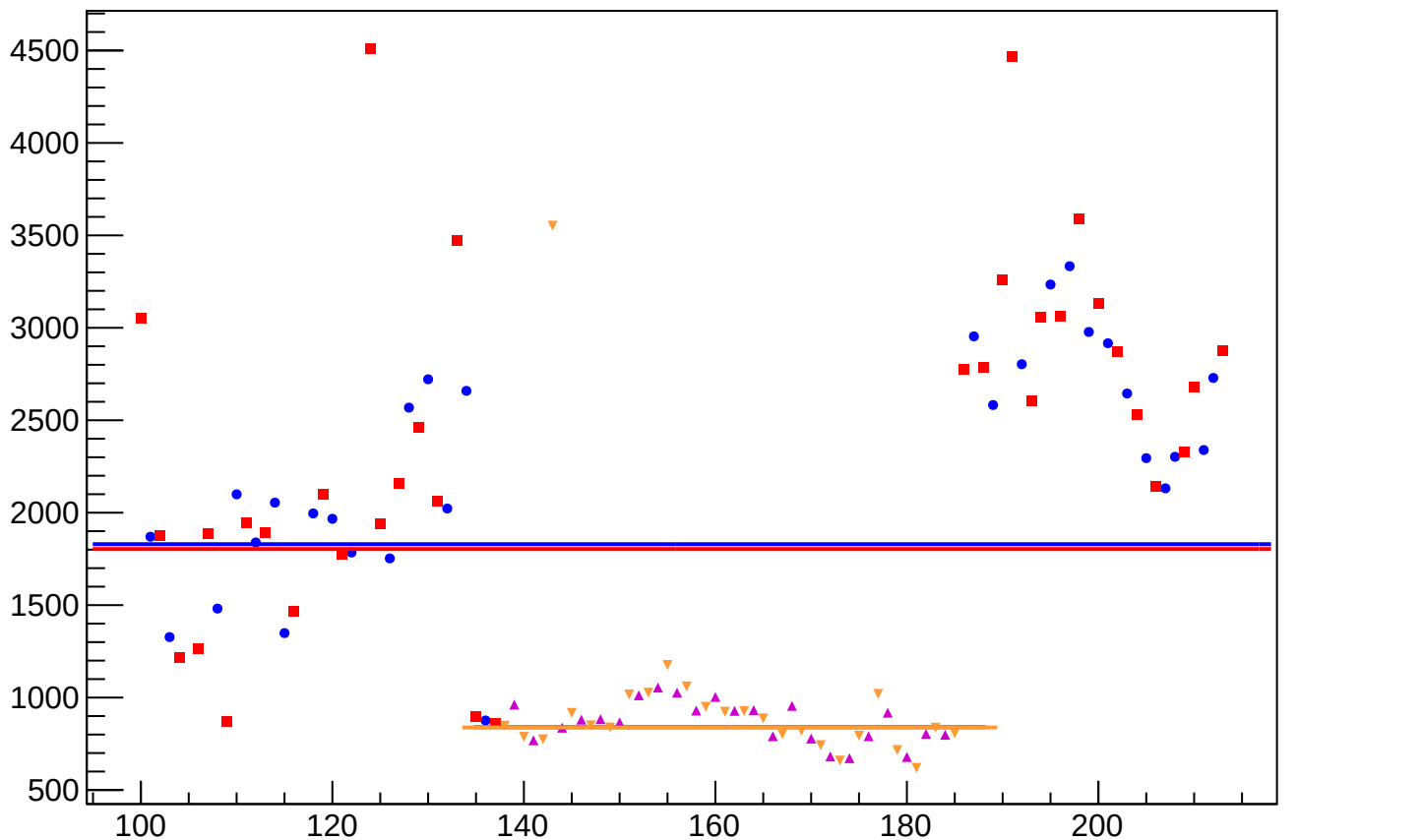
Left In: 288.602+/-198.495 χ^2/NDF : 16.6/22

+ sign 760.892+/-180.827 χ^2/NDF : 99.9/53

All: 588.003+/-128.353 χ^2/NDF : 143.7/110

- sign 412.443+/-182.219 χ^2/NDF : 42.0/56

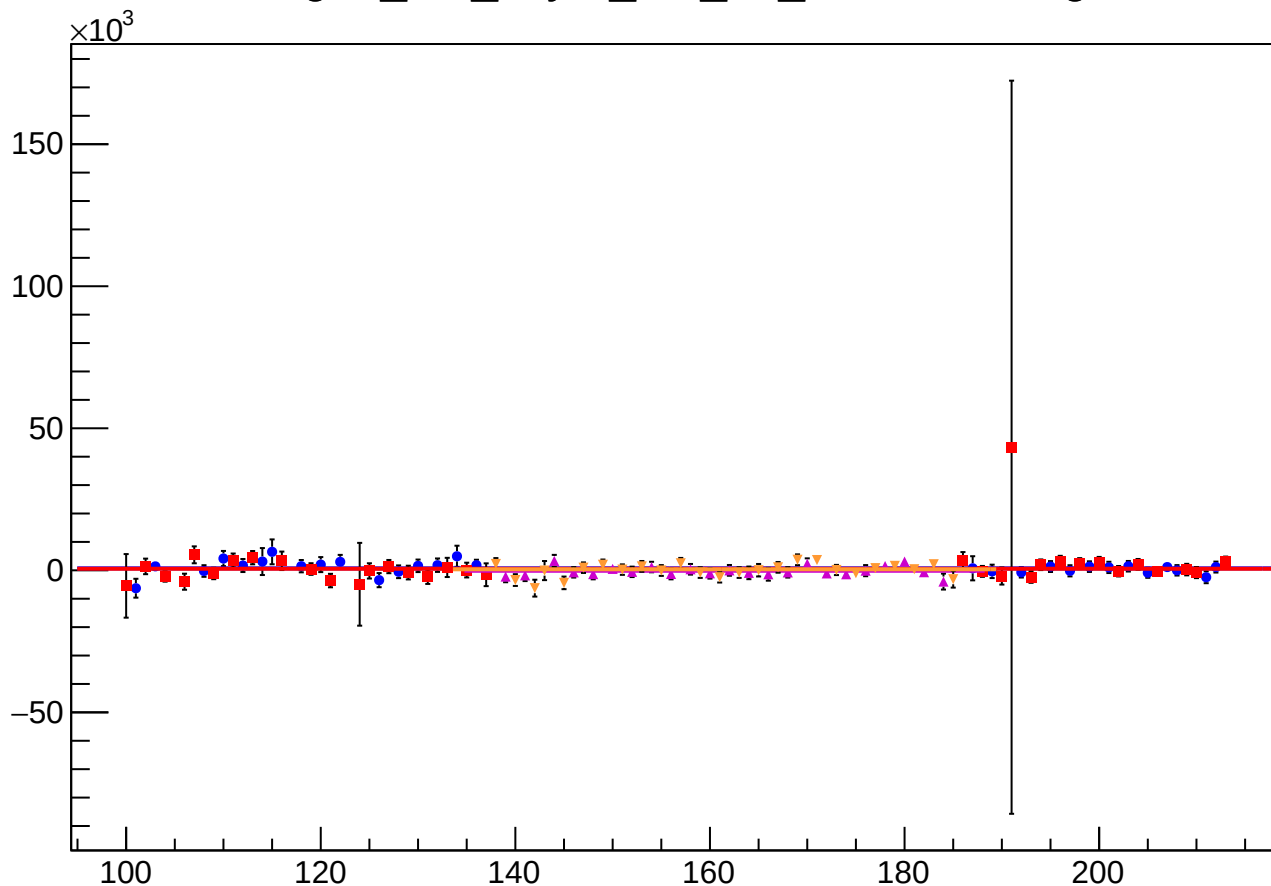
asym_at2_dd_cor_correction_rms vs Slug



Right In: 1829.636 $\pm$ 0.335 χ^2 /NDF: 4783391.8/28
 Left Out: 838.254 $\pm$ 0.138 χ^2 /NDF:1800138.0/24
 Right Out: 1803.480 $\pm$ 0.325 χ^2 /NDF: 6316914.7/33
 Left In: 839.978 $\pm$ 0.140 χ^2 /NDF:669338.3/22

+ sign 982.979 $\pm$ 0.128 χ^2 /NDF: 14078206.6/53
 All: 987.210 $\pm$ 0.091 χ^2 /NDF: 28477695.2/11
 - sign 991.506 $\pm$ 0.129 χ^2 /NDF: 14397281.8/56

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 692.132 $\pm$ 405.864 χ^2 /NDF: 19.6/28

Left Out: 361.560 $\pm$ 388.131 χ^2 /NDF:29.6/24

Right Out: 555.608 $\pm$ 396.263 χ^2 /NDF: 31.0/33

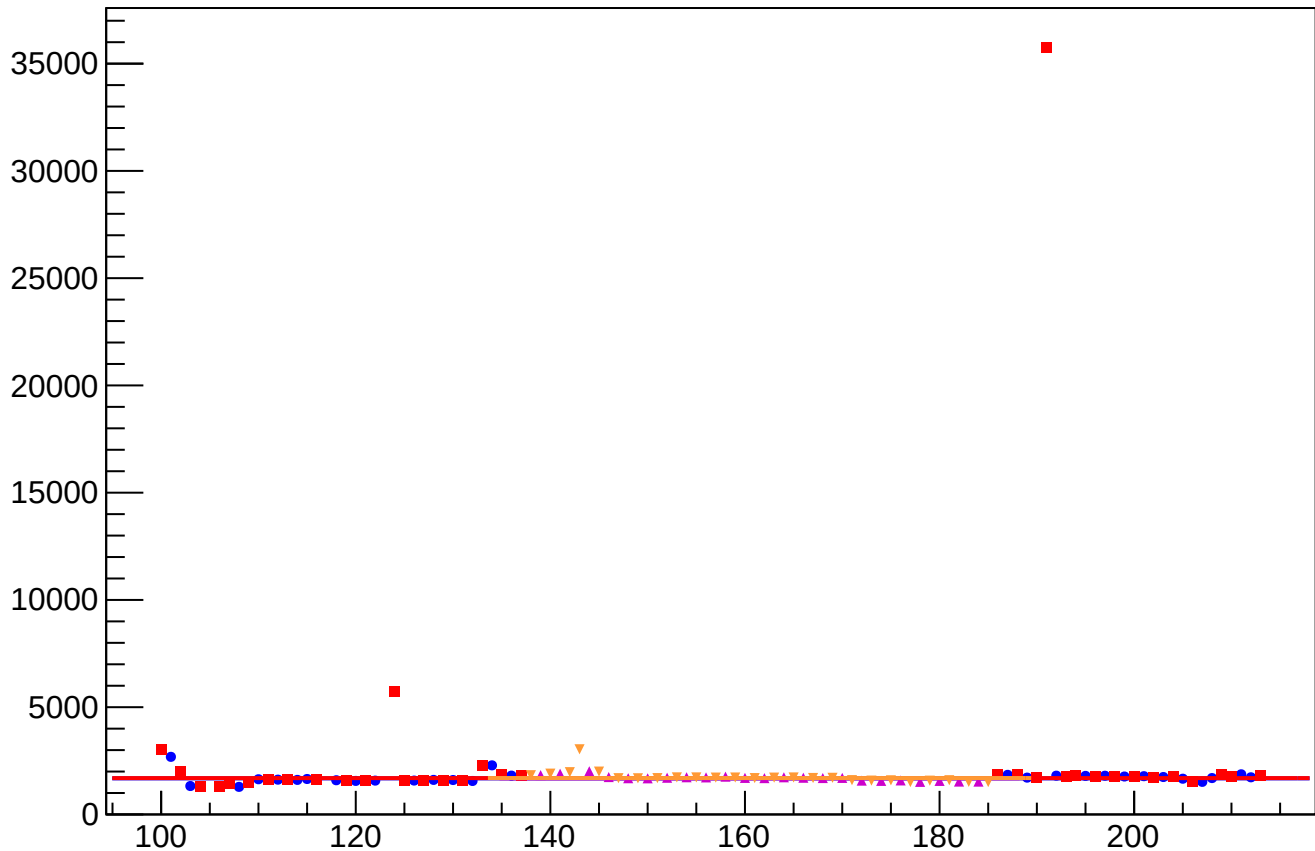
Left In: -156.934 $\pm$ 394.258 χ^2 /NDF:16.0/22

+ sign 519.467 $\pm$ 280.510 χ^2 /NDF: 49.6/53

All: 357.911 $\pm$ 197.988 χ^2 /NDF: 98.9/110

- sign 197.530 $\pm$ 279.488 χ^2 /NDF: 48.7/56

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1681.161 $\pm$ 0.287 χ^2 /NDF: 507600.2/28

Left Out: 1697.496 $\pm$ 0.274 χ^2 /NDF: 495397.9/24

Right Out: 1694.429 $\pm$ 0.280 χ^2 /NDF: 720701.9/33

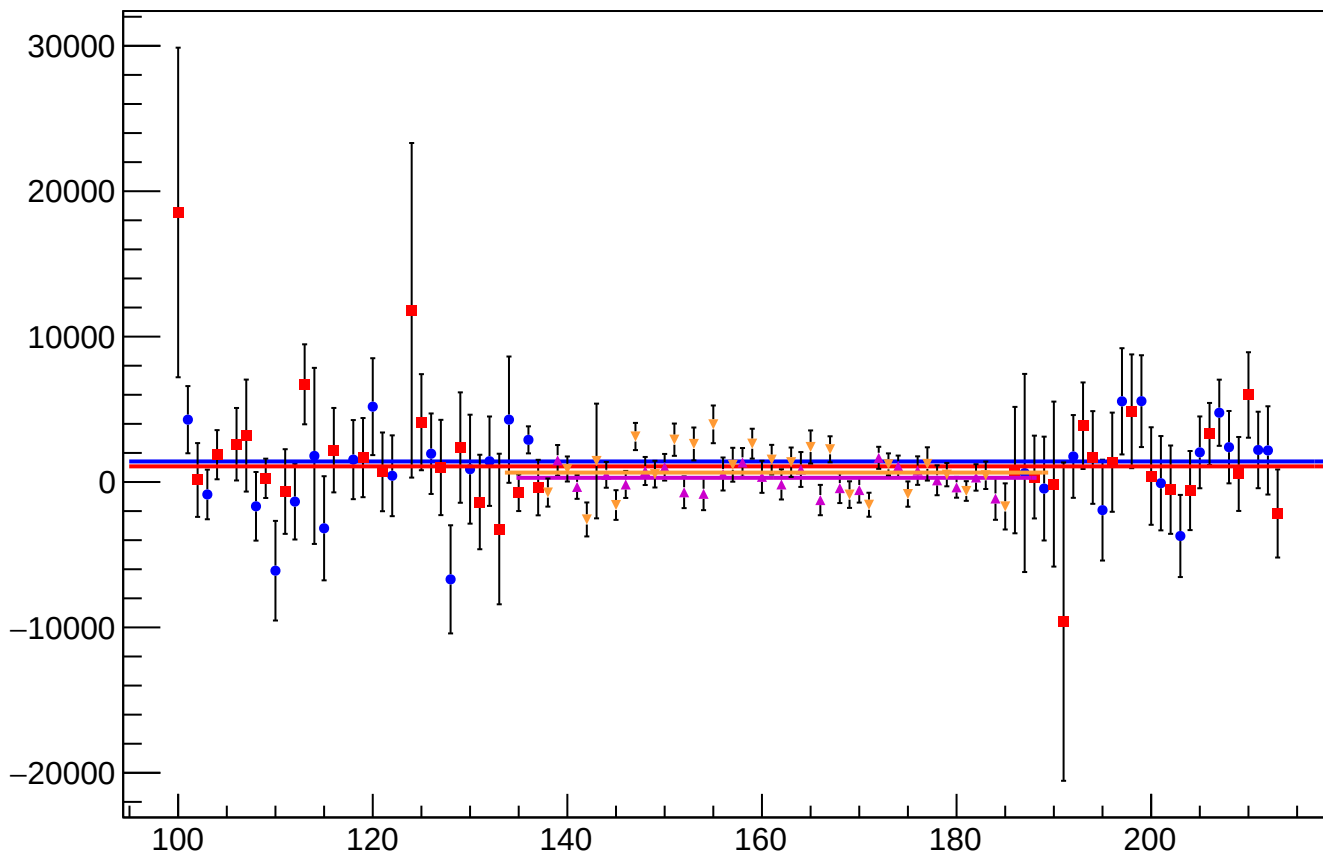
Left In: 1684.577 $\pm$ 0.279 χ^2 /NDF: 165355.7/22

+ sign 1689.693 $\pm$ 0.198 χ^2 /NDF: 1004690.2/53

All: 1689.585 $\pm$ 0.140 χ^2 /NDF: 1891369.6/11

- sign 1689.478 $\pm$ 0.198 χ^2 /NDF: 886678.8/56

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1414.511 $\pm$ 473.274 χ^2 /NDF: 32.1/28

Left Out: 649.165 $\pm$ 195.673 χ^2 /NDF: 65.5/24

Right Out: 1076.055 $\pm$ 459.487 χ^2 /NDF: 23.0/33

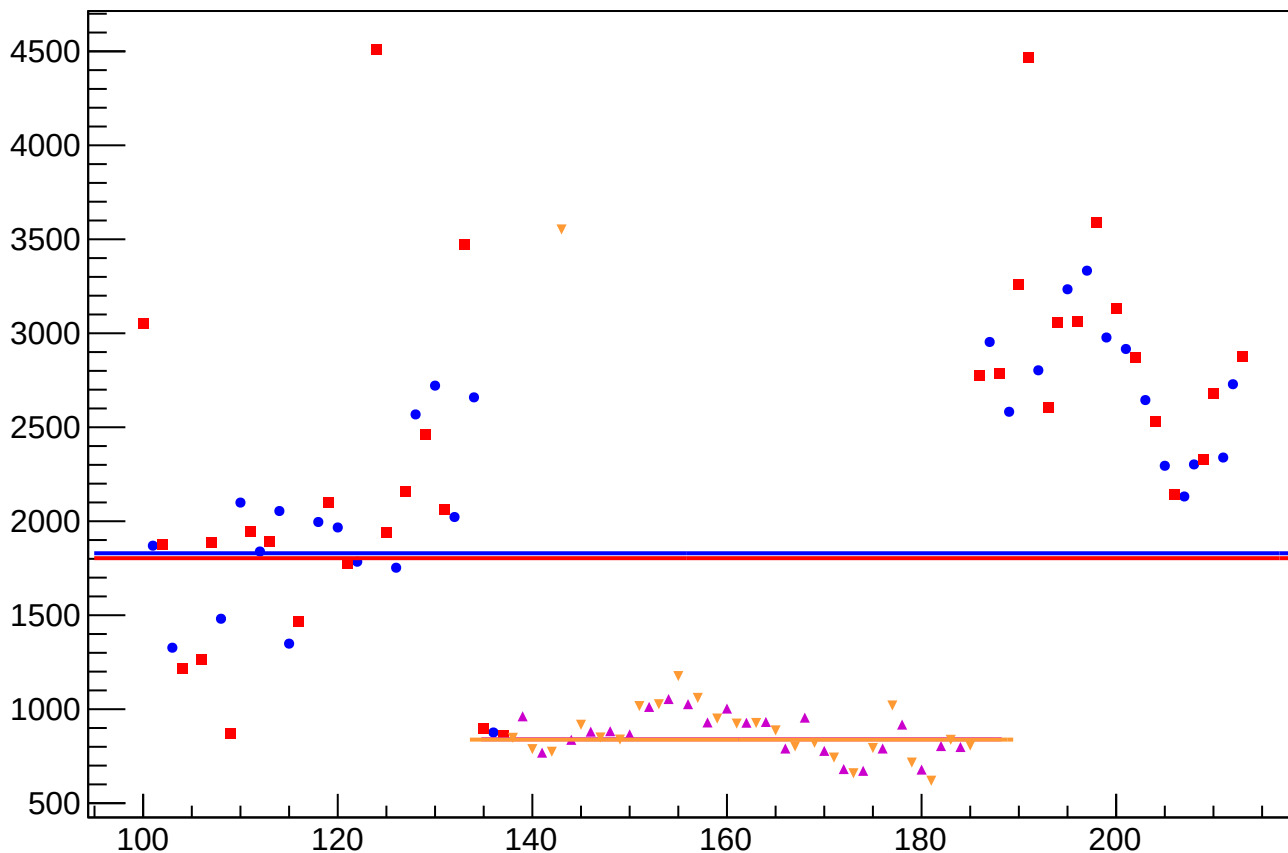
Left In: 288.602 $\pm$ 198.495 χ^2 /NDF: 16.6/22

+ sign 760.892 $\pm$ 180.827 χ^2 /NDF: 99.9/53

All: 588.003 $\pm$ 128.353 χ^2 /NDF: 143.7/110

- sign 412.443 $\pm$ 182.219 χ^2 /NDF: 42.0/56

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1829.636 $\pm$ 0.335 χ^2 /NDF: 4783391.8/28

Left Out: 838.254 $\pm$ 0.138 χ^2 /NDF:1800138.0/24

Right Out: 1803.480 $\pm$ 0.325 χ^2 /NDF: 6316914.7/33

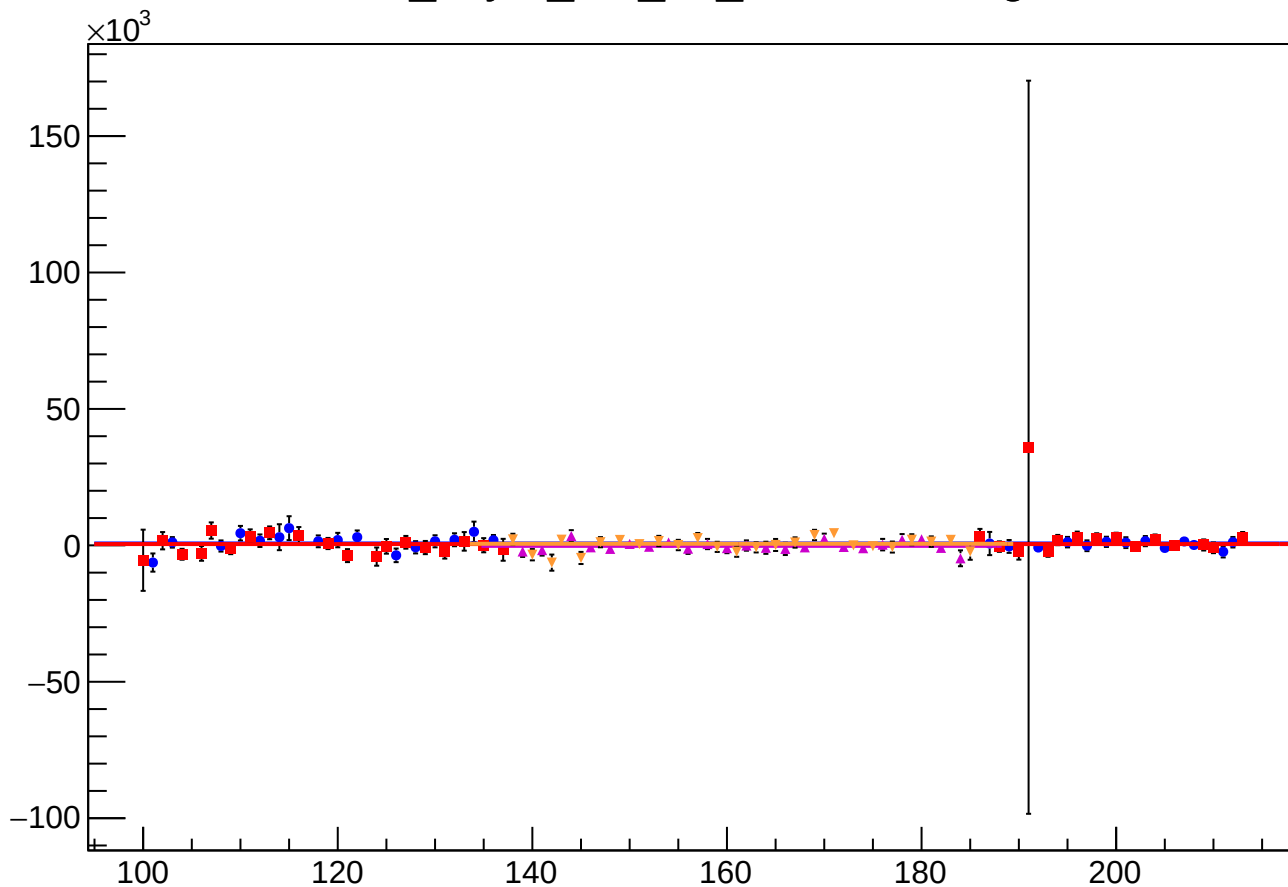
Left In: 839.978 $\pm$ 0.140 χ^2 /NDF:669338.3/22

+ sign 982.979 $\pm$ 0.128 χ^2 /NDF: 14078206.6/53

All: 987.210 $\pm$ 0.091 χ^2 /NDF: 28477695.2/11

- sign 991.506 $\pm$ 0.129 χ^2 /NDF: 14397281.8/56

dit_asym_at2_dd_mean vs Slug



Right In: 686.836 $\pm$ 408.686 χ^2 /NDF: 20.2/28

Left Out: 580.299 $\pm$ 389.769 χ^2 /NDF:31.9/24

Right Out: 469.065 $\pm$ 396.764 χ^2 /NDF: 33.4/33

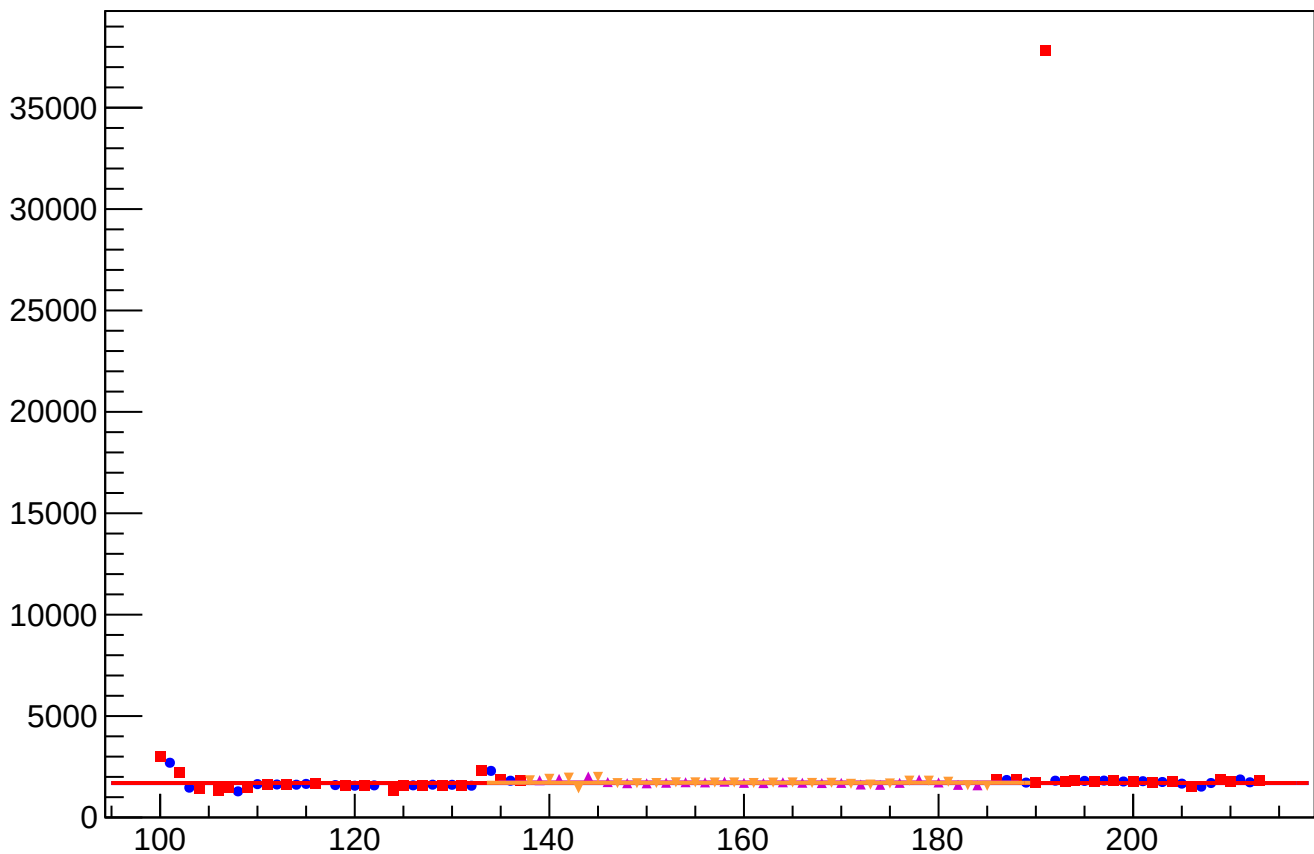
Left In: -185.836 $\pm$ 404.094 χ^2 /NDF:14.4/22

+ sign 631.045 $\pm$ 282.059 χ^2 /NDF: 52.2/53

All: 390.226 $\pm$ 199.817 χ^2 /NDF: 102.8/110

- sign 147.608 $\pm$ 283.111 χ^2 /NDF: 49.2/56

dit_asym_at2_dd_rms vs Slug



Right In: 1694.243+/-0.289 χ^2/NDF : 451802.8/28

Left Out: 1711.712+/-0.276 χ^2/NDF : 168006.4/24

Right Out: 1699.416+/-0.281 χ^2/NDF : 580243.1/33

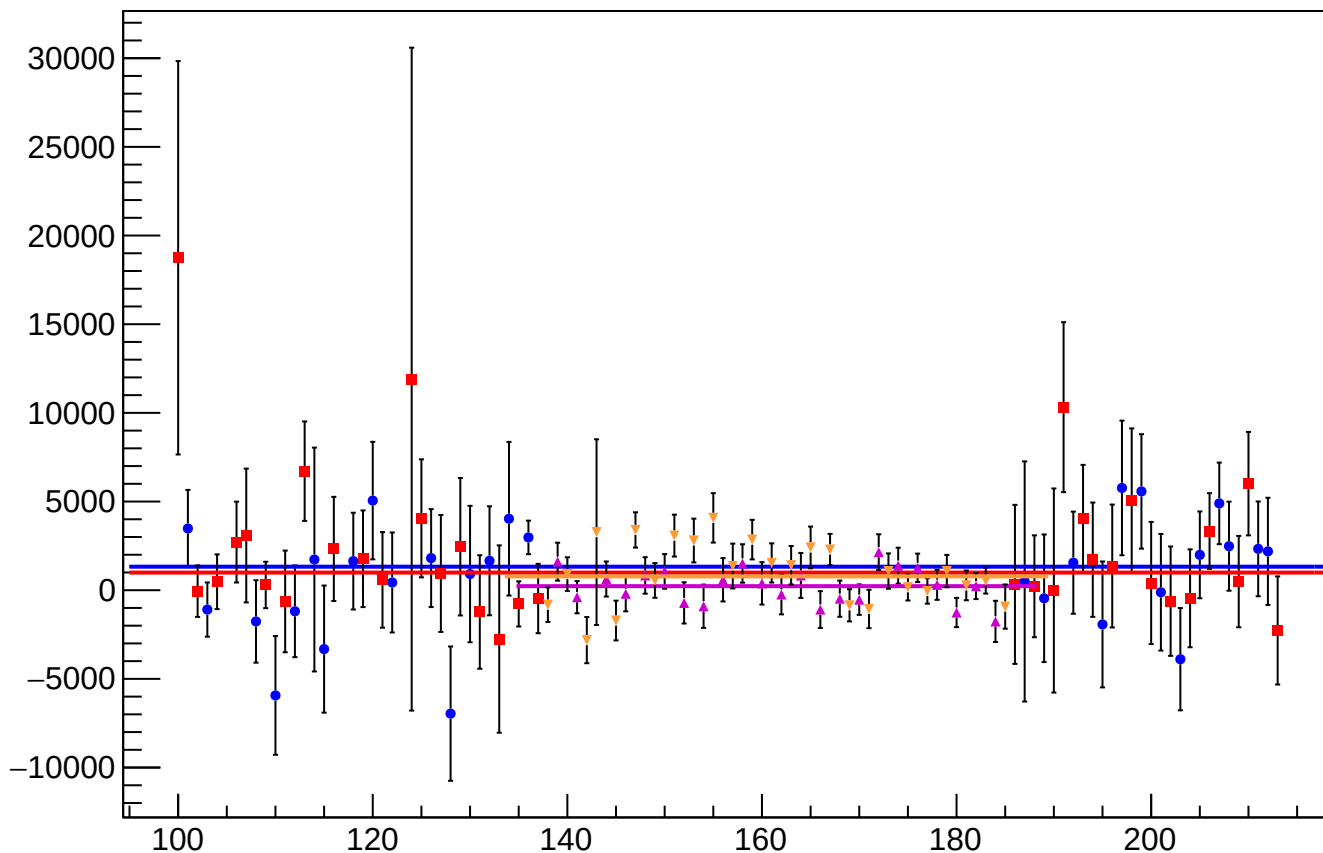
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1703.391+/-0.199 χ^2/NDF : 621722.7/53

All: 1708.378+/-0.141 χ^2/NDF : 1308512.0/111

- sign 1713.403+/-0.200 χ^2/NDF : 685533.9/56

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1326.281 $\pm$ 471.309 χ^2 /NDF: 32.8/28

Left Out: 778.974 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 994.981 $\pm$ 440.237 χ^2 /NDF: 25.9/33

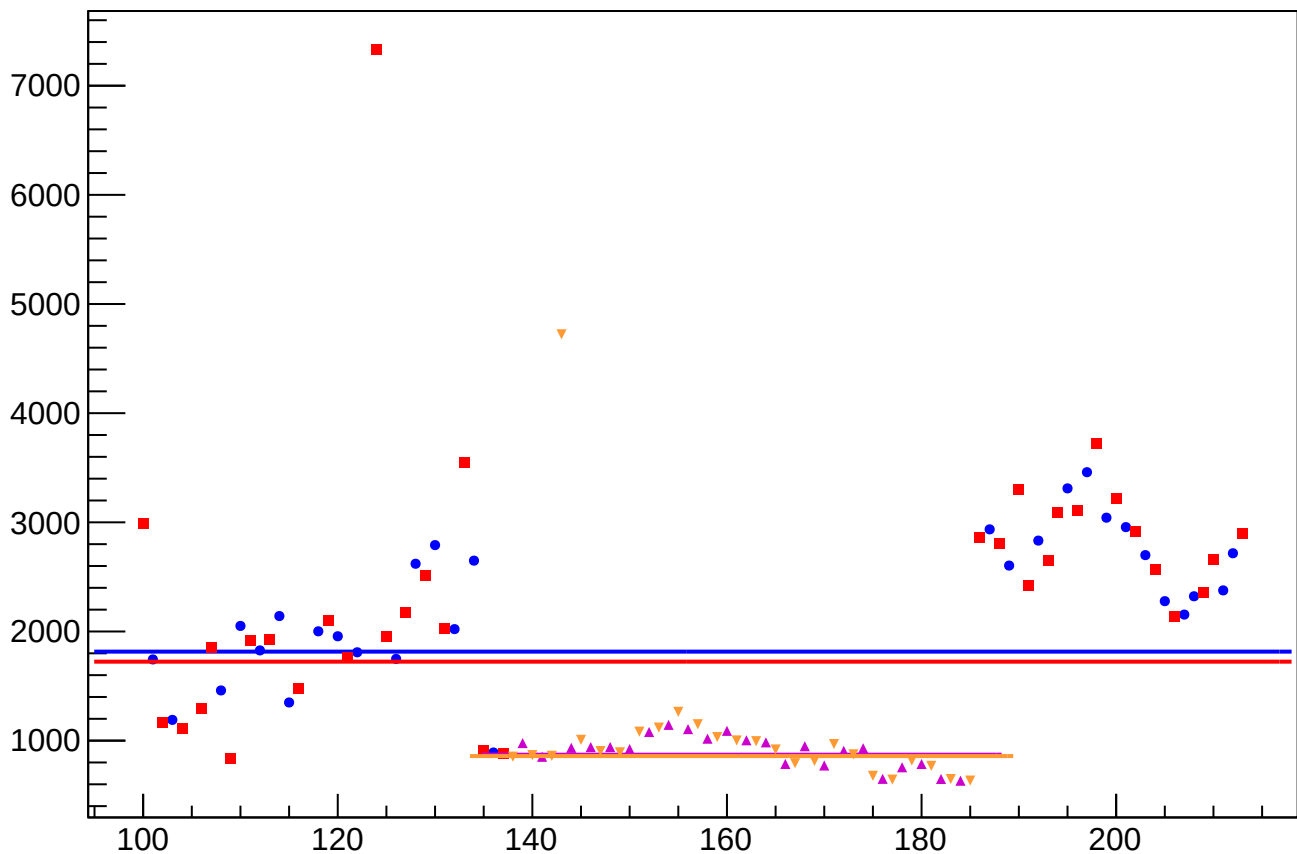
Left In: 228.879 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 863.653 $\pm$ 185.387 χ^2 /NDF: 88.5/53

All: 617.748 $\pm$ 131.692 χ^2 /NDF: 143.0/110

- sign 367.263 $\pm$ 187.105 χ^2 /NDF: 51.0/56

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1815.545 $\pm$ 0.333 χ^2 /NDF: 4967606.6/28

Left Out: 858.593 $\pm$ 0.143 χ^2 /NDF: 2279775.0/24

Right Out: 1723.578 $\pm$ 0.311 χ^2 /NDF: 6970380.9/33

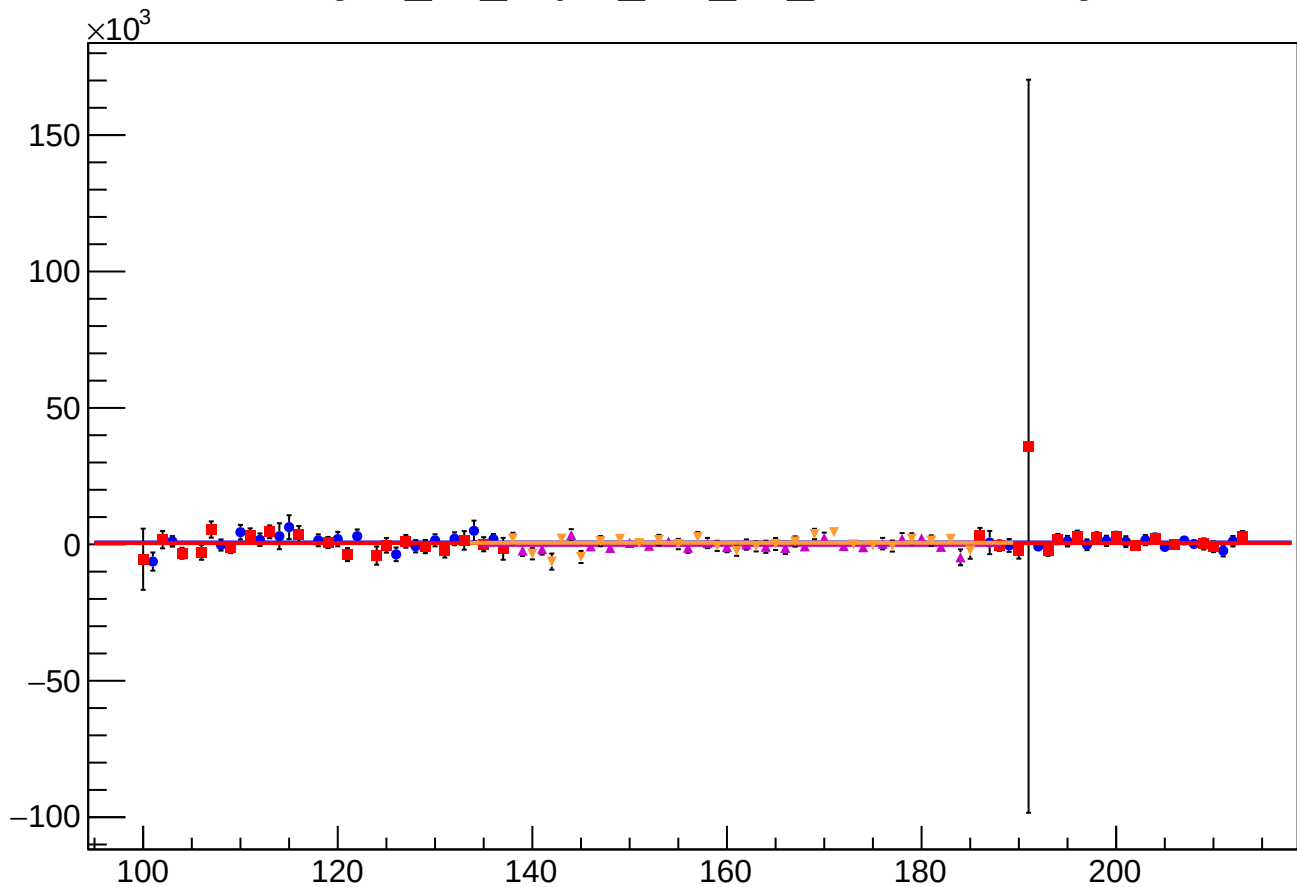
Left In: 871.527 $\pm$ 0.146 χ^2 /NDF: 979356.2/22

+ sign 1006.652 $\pm$ 0.131 χ^2 /NDF: 14216838.6/53

All: 1015.958 $\pm$ 0.093 χ^2 /NDF: 28315309.7/100

- sign 1025.436 $\pm$ 0.132 χ^2 /NDF: 14088299.5/56

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 686.832 $\pm$ 408.686 χ^2 /NDF: 20.2/28

Left Out: 580.295 $\pm$ 389.769 χ^2 /NDF:31.9/24

Right Out: 469.062 $\pm$ 396.764 χ^2 /NDF: 33.4/33

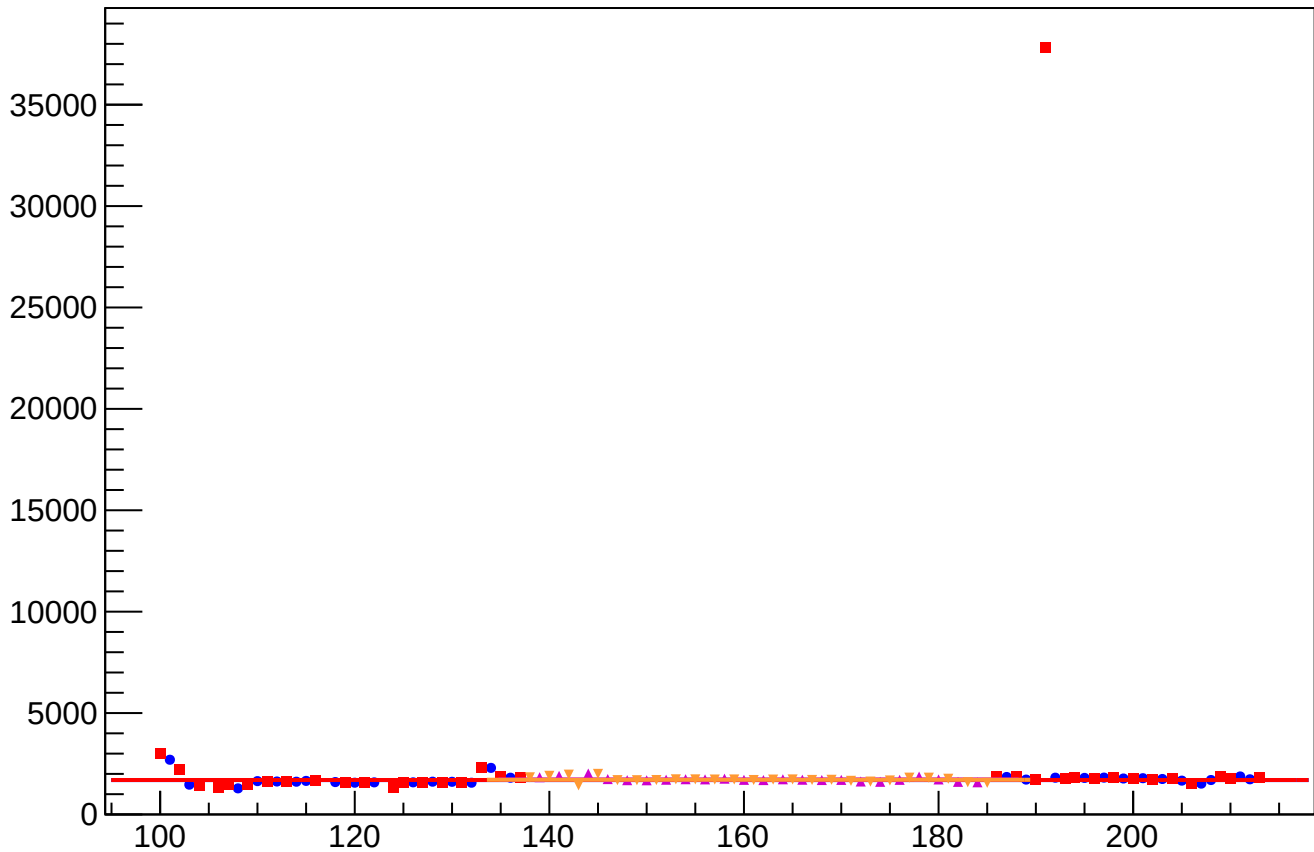
Left In: -185.837 $\pm$ 404.094 χ^2 /NDF:14.4/22

+ sign 631.040 $\pm$ 282.059 χ^2 /NDF: 52.2/53

All: 390.223 $\pm$ 199.817 χ^2 /NDF: 102.8/110

- sign 147.606 $\pm$ 283.111 χ^2 /NDF: 49.2/56

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1694.243+/-0.289 χ^2/NDF : 451802.7/28

Left Out: 1711.711+/-0.276 χ^2/NDF : 168005.1/24

Right Out: 1699.416+/-0.281 χ^2/NDF : 580243.2/33

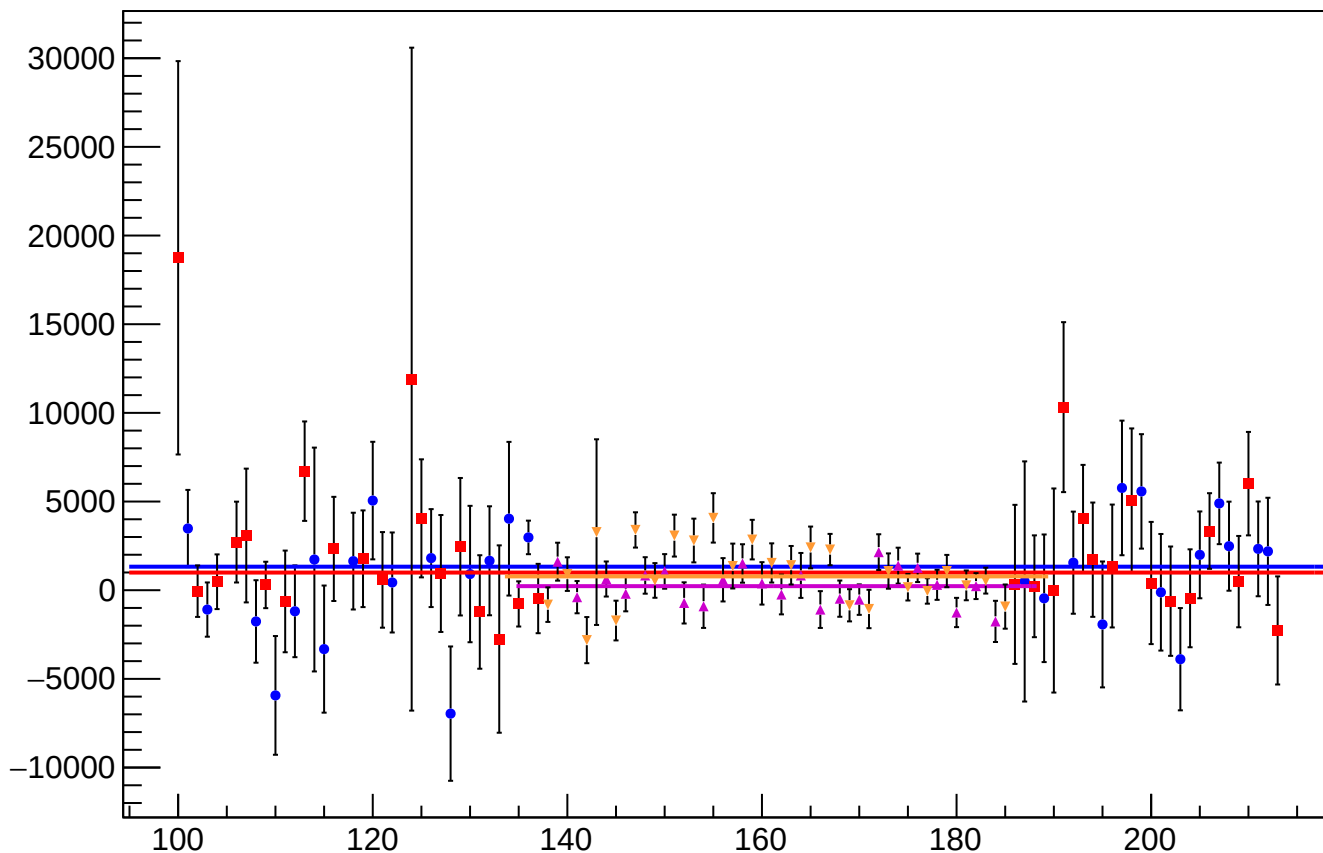
Left In: 1727.912+/-0.286 χ^2/NDF : 100226.8/22

+ sign 1703.391+/-0.199 χ^2/NDF : 621721.3/53

All: 1708.378+/-0.141 χ^2/NDF : 1308510.6/111

- sign 1713.403+/-0.200 χ^2/NDF : 685534.0/56

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1326.277 $\pm$ 471.311 χ^2 /NDF: 32.8/28

Left Out: 778.977 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 994.994 $\pm$ 440.239 χ^2 /NDF: 25.9/33

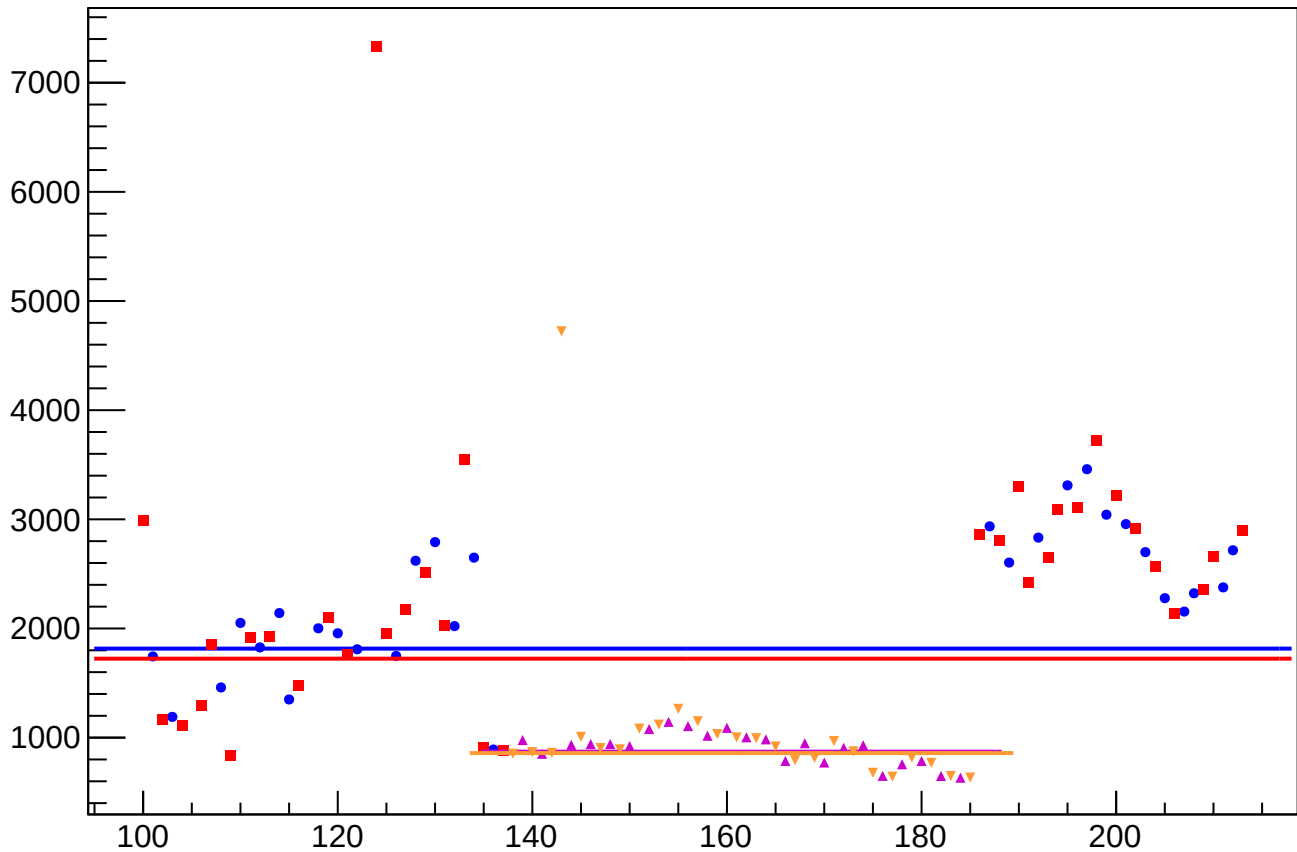
Left In: 228.876 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 863.654 $\pm$ 185.387 χ^2 /NDF: 88.5/53

All: 617.748 $\pm$ 131.692 χ^2 /NDF: 143.0/110

- sign 367.262 $\pm$ 187.105 χ^2 /NDF: 51.0/56

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1815.558 $\pm$ 0.333 χ^2 /NDF: 4967425.6/28

Left Out: 858.593 $\pm$ 0.143 χ^2 /NDF: 2279765.6/24

Right Out: 1723.591 $\pm$ 0.311 χ^2 /NDF: 6970216.6/33

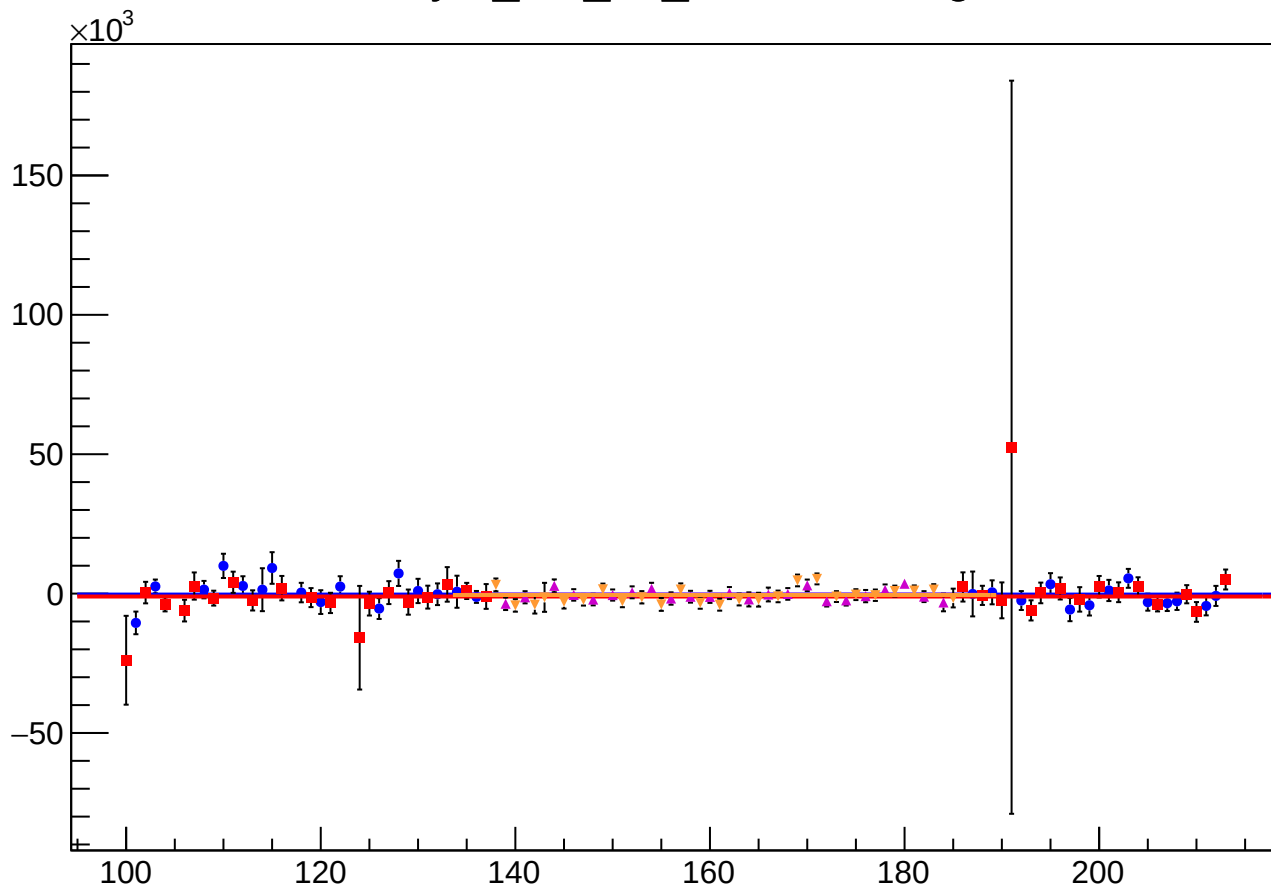
Left In: 871.525 $\pm$ 0.146 χ^2 /NDF: 979360.3/22

+ sign 1006.653 $\pm$ 0.131 χ^2 /NDF: 14216789.6/53

All: 1015.958 $\pm$ 0.093 χ^2 /NDF: 28315259.2/100

- sign 1025.436 $\pm$ 0.132 χ^2 /NDF: 14088299.2/56

asym_at2_dd_mean vs Slug



Right In: -353.531 ± 671.032 χ^2/NDF : 34.5/28

Left Out: -501.517 ± 439.916 χ^2/NDF : 35.9/24

Right Out: -1048.411 ± 658.510 χ^2/NDF : 22.9/33

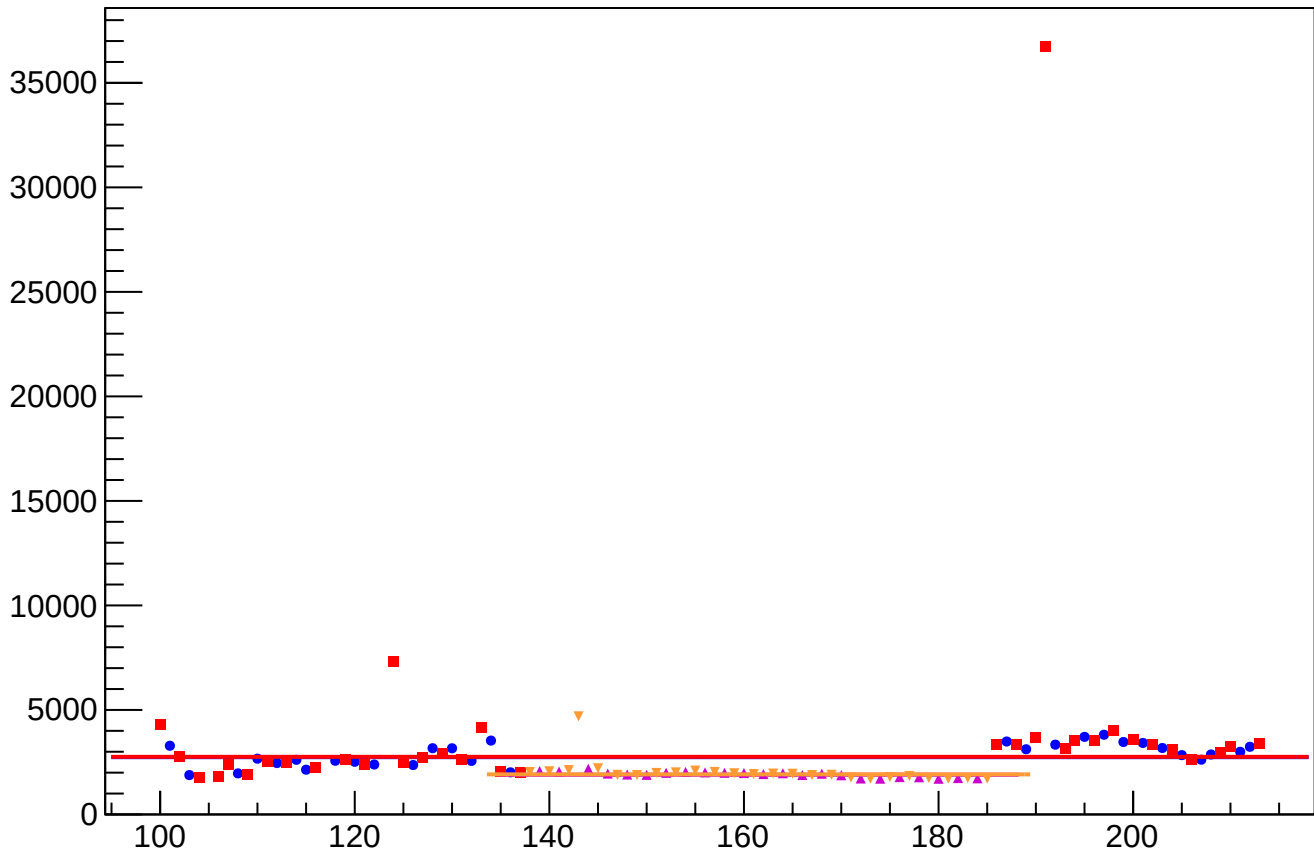
Left In: -411.323 ± 444.573 χ^2/NDF : 18.9/22

+ sign -457.033 ± 367.904 χ^2/NDF : 70.5/53

All: -533.793 ± 260.345 χ^2/NDF : 112.9/110

- sign -610.787 ± 368.463 χ^2/NDF : 42.4/56

asym_at2_dd_rms vs Slug



Right In: 2740.445+/-0.474 χ^2/NDF : 1376233.9/28

Left Out: 1917.157+/-0.311 χ^2/NDF : 756385.6/24

Right Out: 2756.543+/-0.466 χ^2/NDF : 2067180.3/33

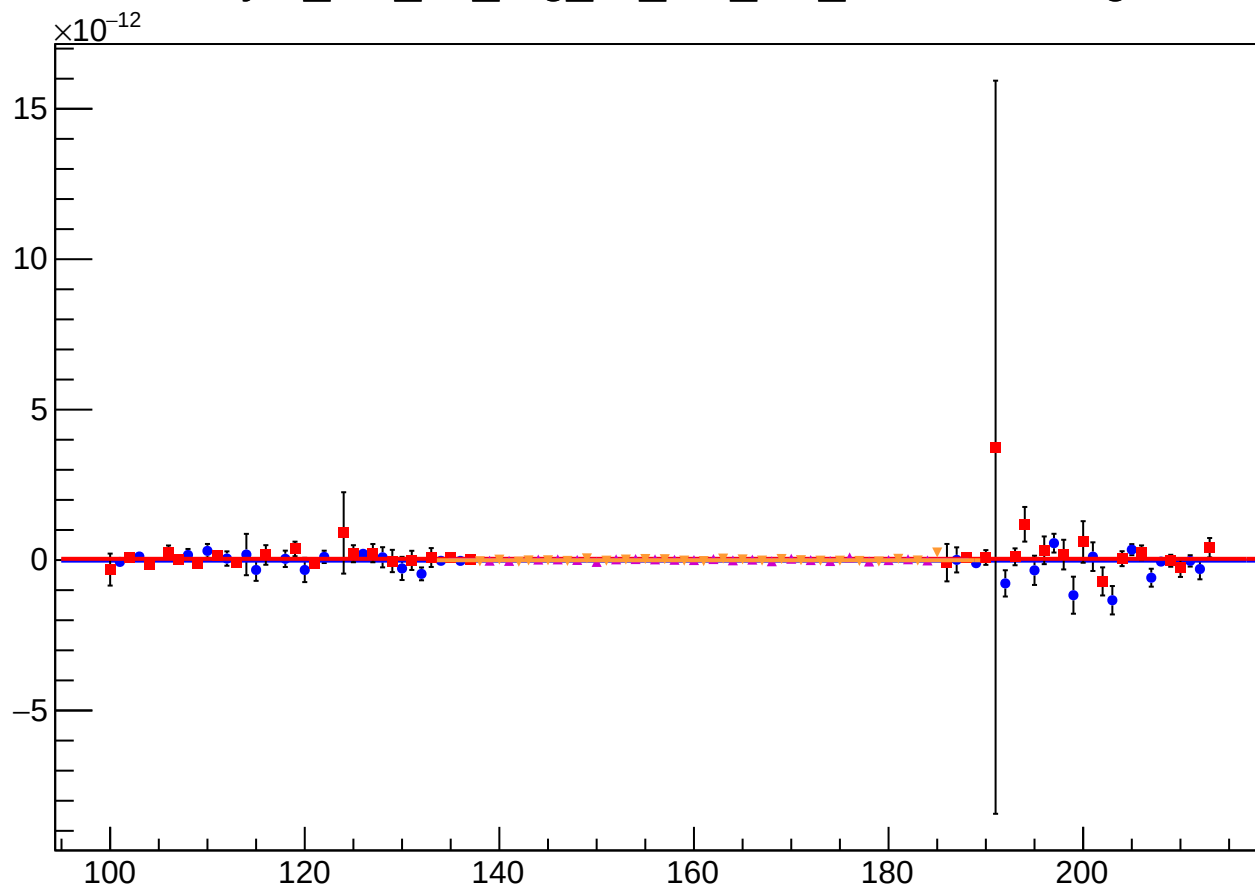
Left In: 1899.245+/-0.314 χ^2/NDF : 173376.4/22

+ sign 2164.634+/-0.260 χ^2/NDF : 4238218.5/53

All: 2166.142+/-0.184 χ^2/NDF : 8807333.6/11

- sign 2167.655+/-0.261 χ^2/NDF : 4569047.8/56

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 41.9/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 26.4/33

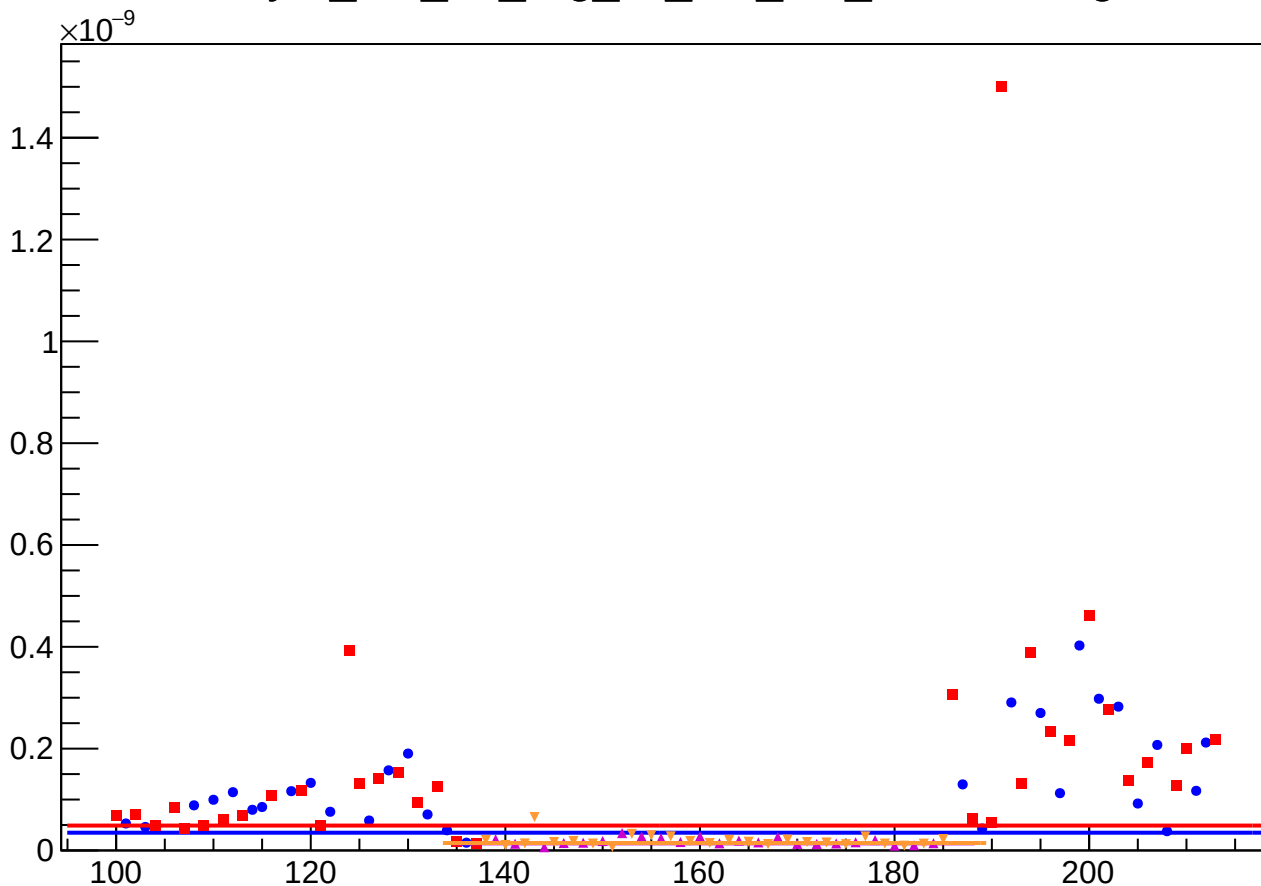
Left In: 0.000 ± 0.000 χ^2/NDF : 25.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.8/53

All: 0.000 ± 0.000 χ^2/NDF : 127.6/110

- sign 0.000 ± 0.000 χ^2/NDF : 53.0/56

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8001812.0/28

Left Out: 0.000+/-0.000 χ^2/NDF :1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7940029.7/33

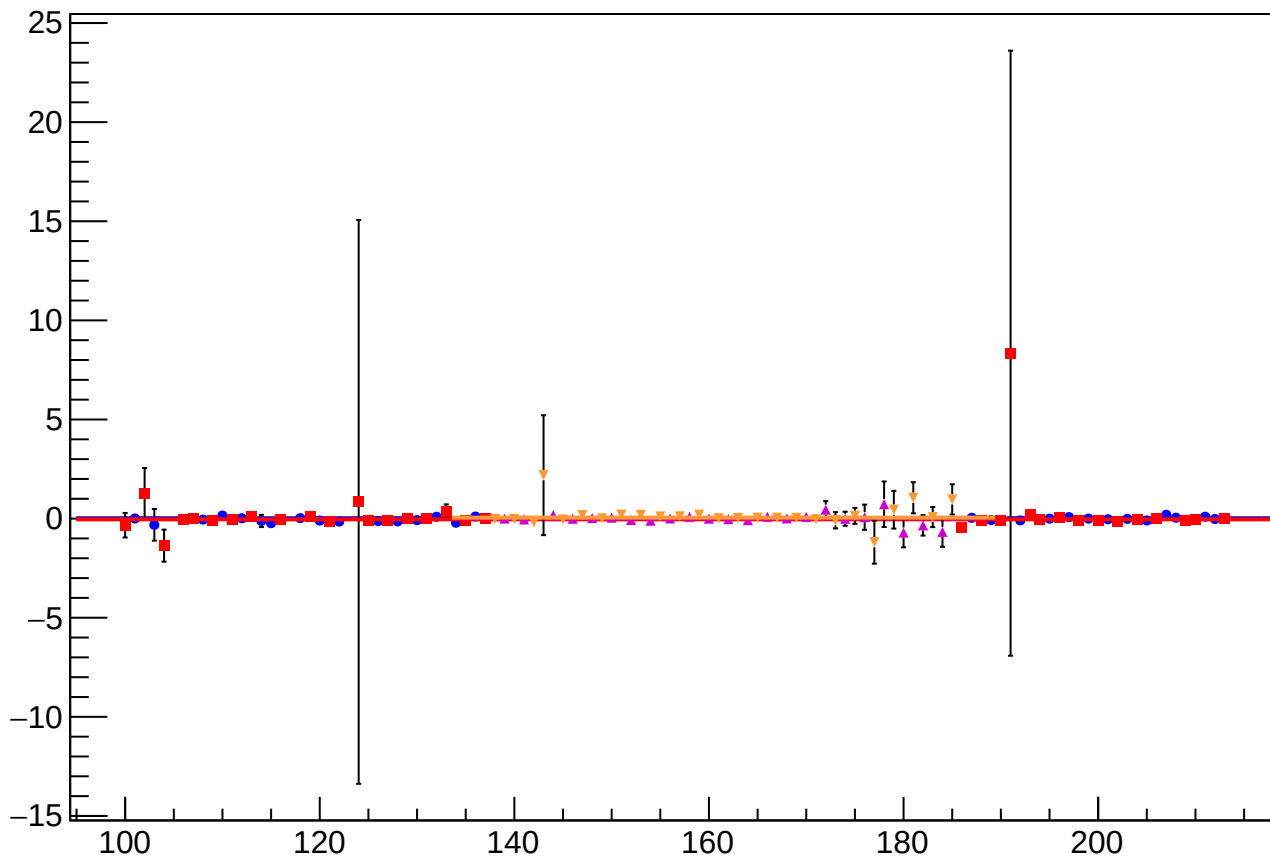
Left In: 0.000+/-0.000 χ^2/NDF :1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 11617482.9/53

All: 0.000+/-0.000 χ^2/NDF : 24921358.7/110

- sign 0.000+/-0.000 χ^2/NDF : 13298031.0/56

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.018 χ^2 /NDF: 30.4/28

Left Out: 0.050 $\pm$ 0.017 χ^2 /NDF:24.5/24

Right Out: -0.037 $\pm$ 0.017 χ^2 /NDF: 25.7/33

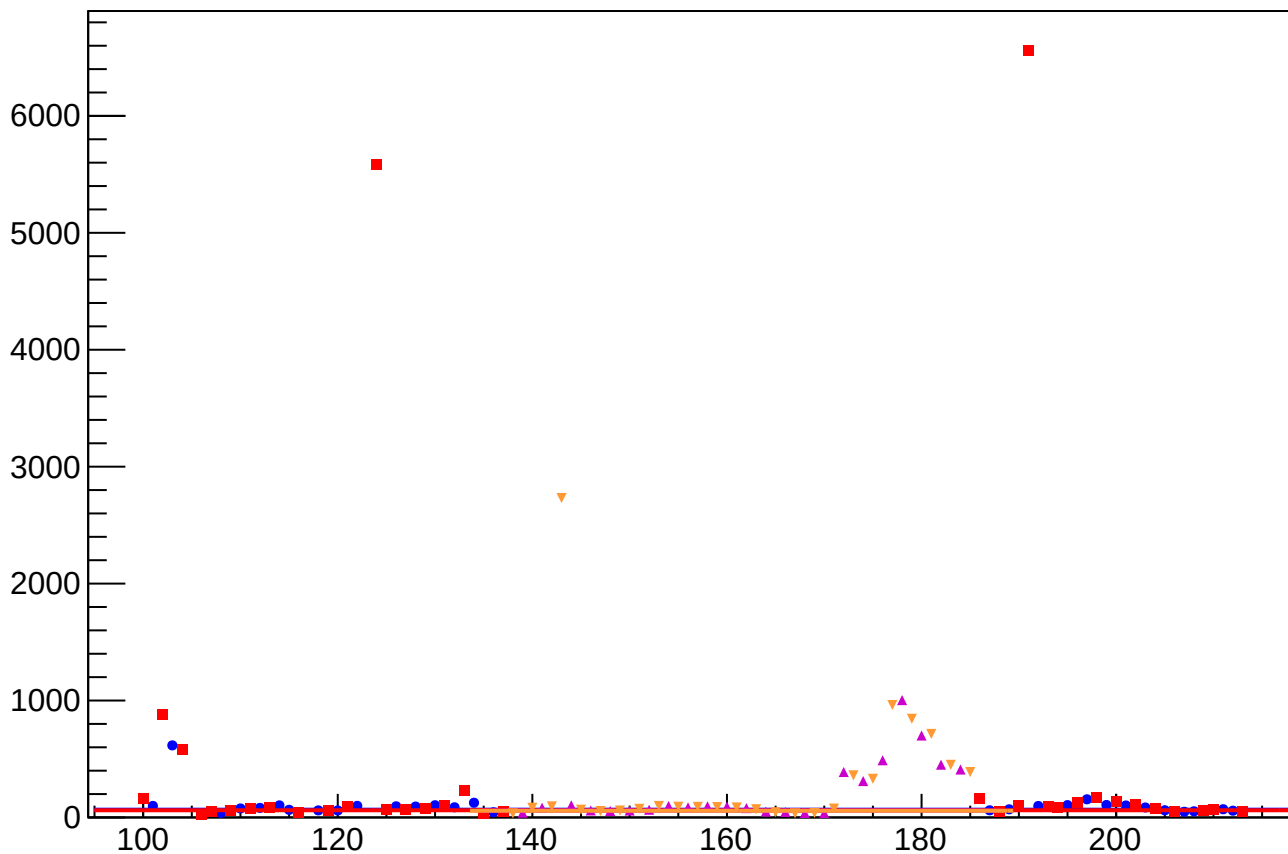
Left In: 0.019 $\pm$ 0.017 χ^2 /NDF:15.4/22

+ sign 0.035 $\pm$ 0.012 χ^2 /NDF: 56.4/53

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 109.6/110

- sign -0.009 $\pm$ 0.012 χ^2 /NDF: 46.6/56

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 66.357+/-0.013 χ^2 /NDF: 4239771.3/28

Left Out: 57.259+/-0.012 χ^2 /NDF:12322019.7/24

Right Out: 61.526+/-0.012 χ^2 /NDF: 7316154.0/33

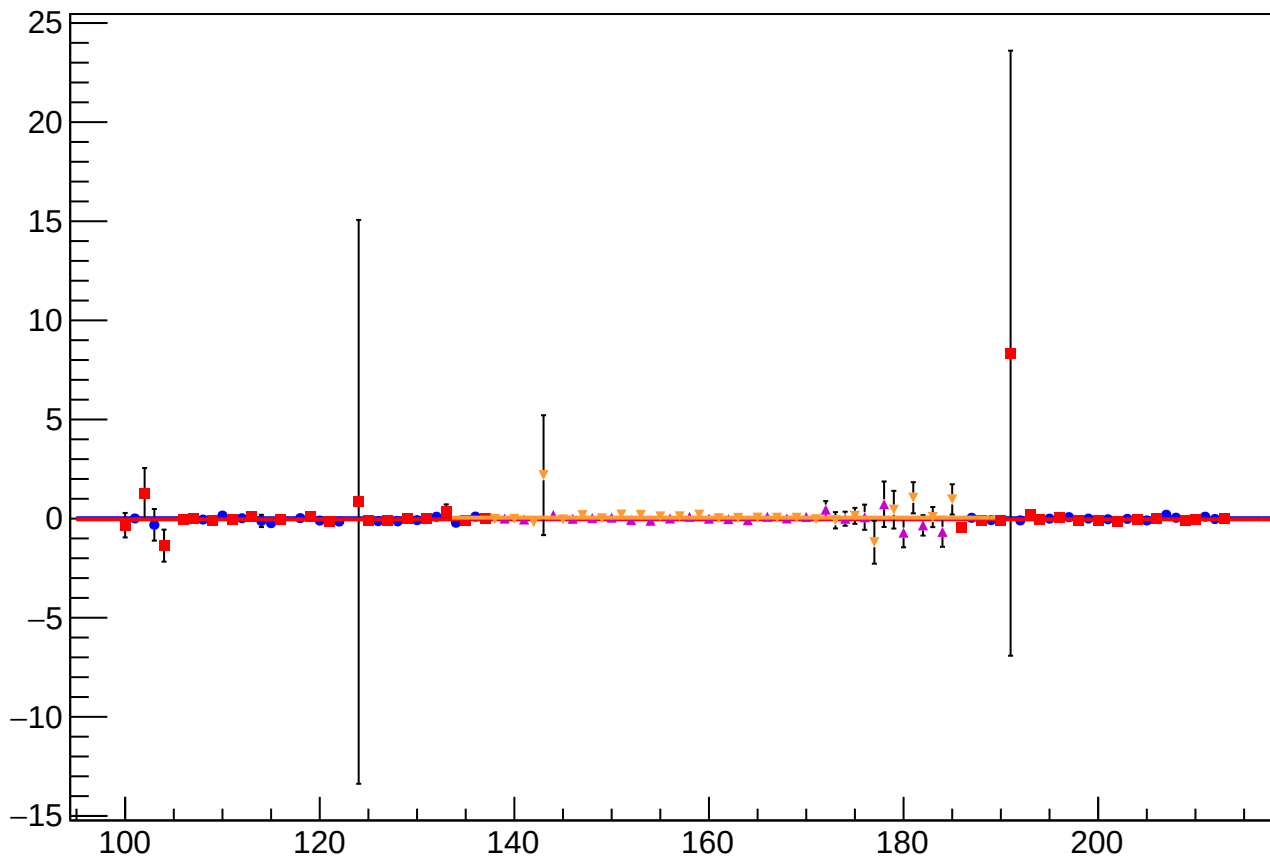
Left In: 58.580+/-0.012 χ^2 /NDF:10247660.0/22

+ sign 61.597+/-0.009 χ^2 /NDF: 16833999.5/53

All: 60.818+/-0.006 χ^2 /NDF: 34443485.7/110

- sign 60.078+/-0.008 χ^2 /NDF: 17593886.0/56

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.018 χ^2 /NDF: 30.4/28

Left Out: 0.050 $\pm$ 0.017 χ^2 /NDF:24.5/24

Right Out: -0.037 $\pm$ 0.017 χ^2 /NDF: 25.7/33

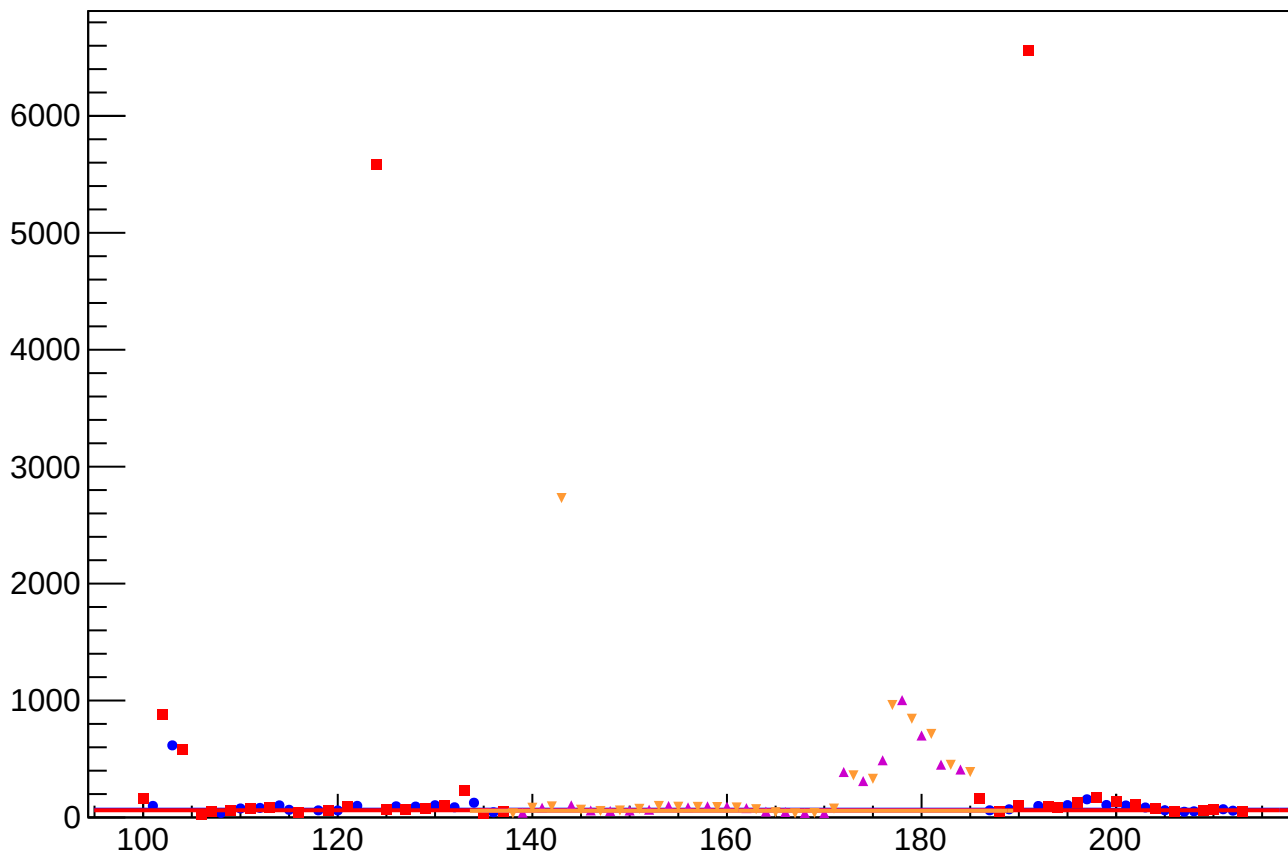
Left In: 0.019 $\pm$ 0.017 χ^2 /NDF:15.4/22

+ sign 0.035 $\pm$ 0.012 χ^2 /NDF: 56.4/53

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 109.6/110

- sign -0.009 $\pm$ 0.012 χ^2 /NDF: 46.6/56

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.357+/-0.013 χ^2/NDF : 4239771.3/28

Left Out: 57.259+/-0.012 χ^2/NDF : 12322019.7/24

Right Out: 61.526+/-0.012 χ^2/NDF : 7316154.0/33

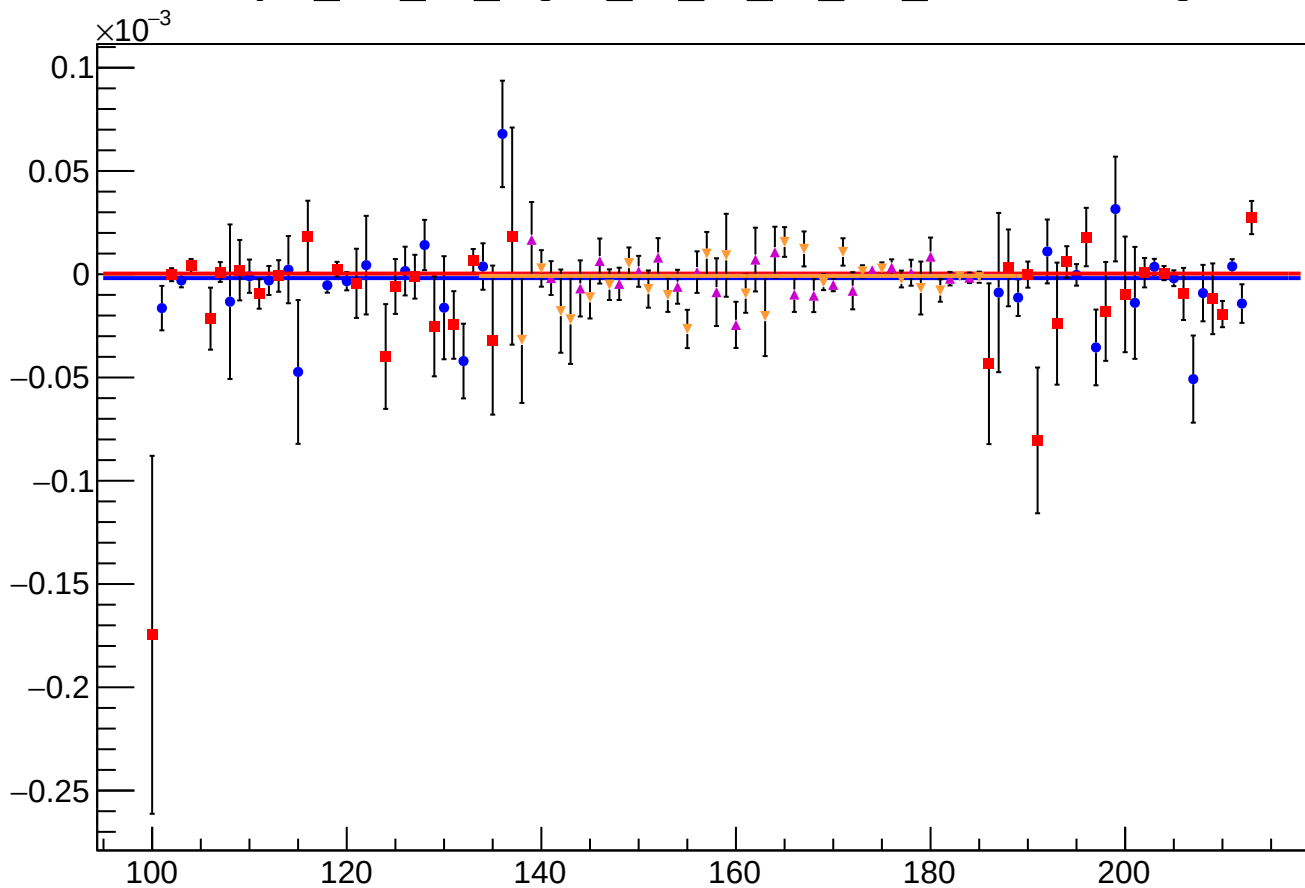
Left In: 58.580+/-0.012 χ^2/NDF : 10247660.0/22

+ sign 61.597+/-0.009 χ^2/NDF : 16833999.5/53

All: 60.818+/-0.006 χ^2/NDF : 34443485.7/110

- sign 60.078+/-0.008 χ^2/NDF : 17593886.0/56

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.0/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 32.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 51.3/33

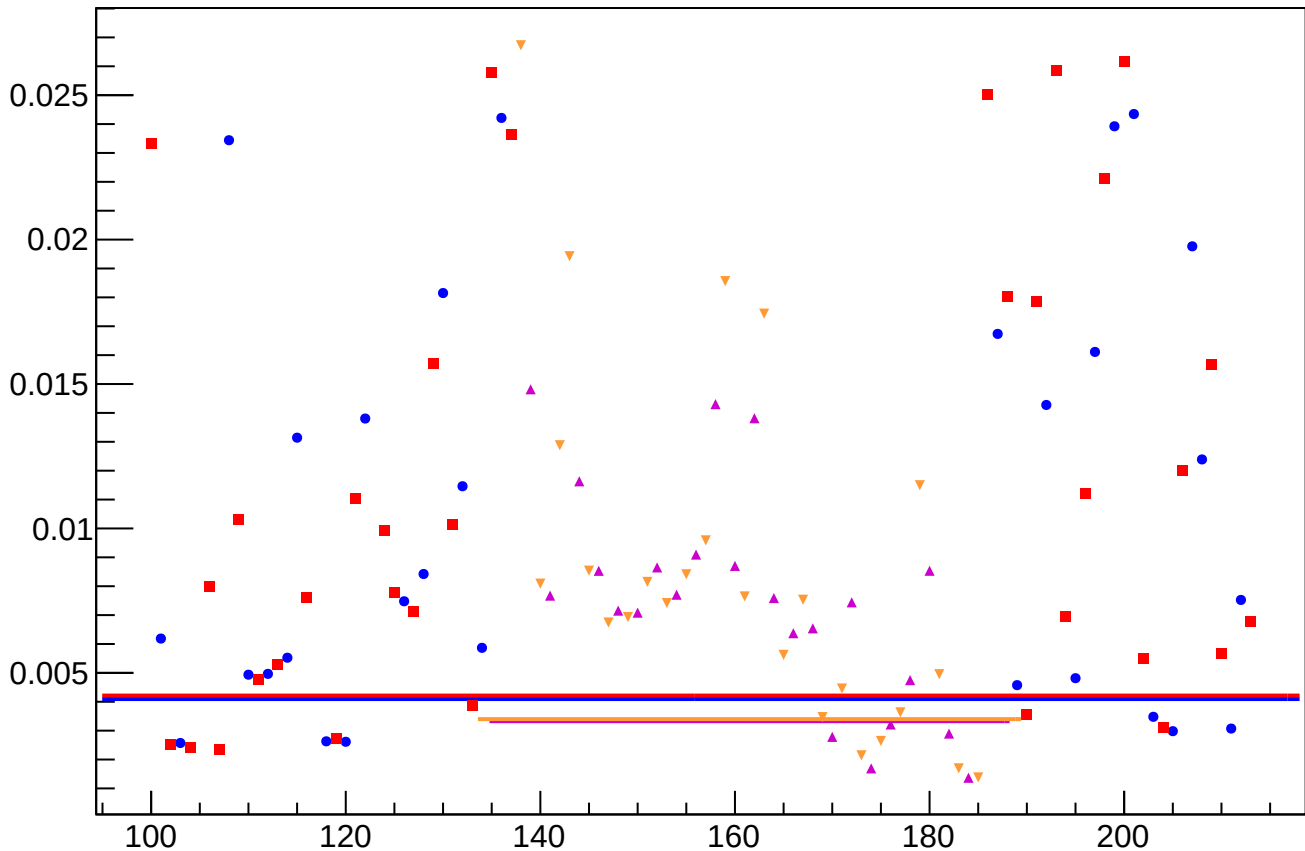
Left In: -0.000 ± 0.000 χ^2/NDF : 18.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 72.2/53

All: -0.000 ± 0.000 χ^2/NDF : 143.3/110

- sign -0.000 ± 0.000 χ^2/NDF : 70.5/56

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 11609298.1/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:14248948.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 13351656.8/33

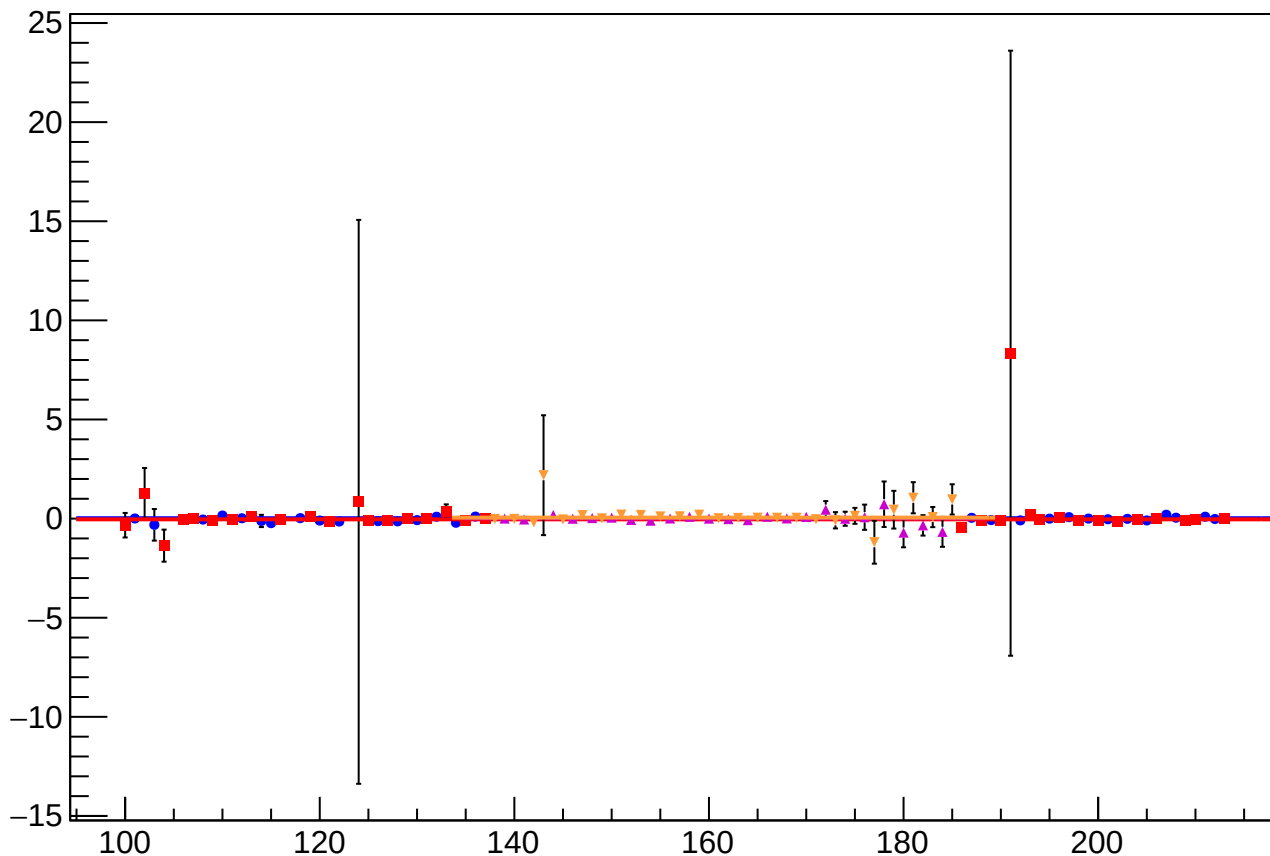
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:12566501.1/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 26214878.0/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 52720081.8/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 26504413.3/56

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.018 χ^2 /NDF: 30.4/28

Left Out: 0.050 $\pm$ 0.017 χ^2 /NDF:24.5/24

Right Out: -0.037 $\pm$ 0.017 χ^2 /NDF: 25.7/33

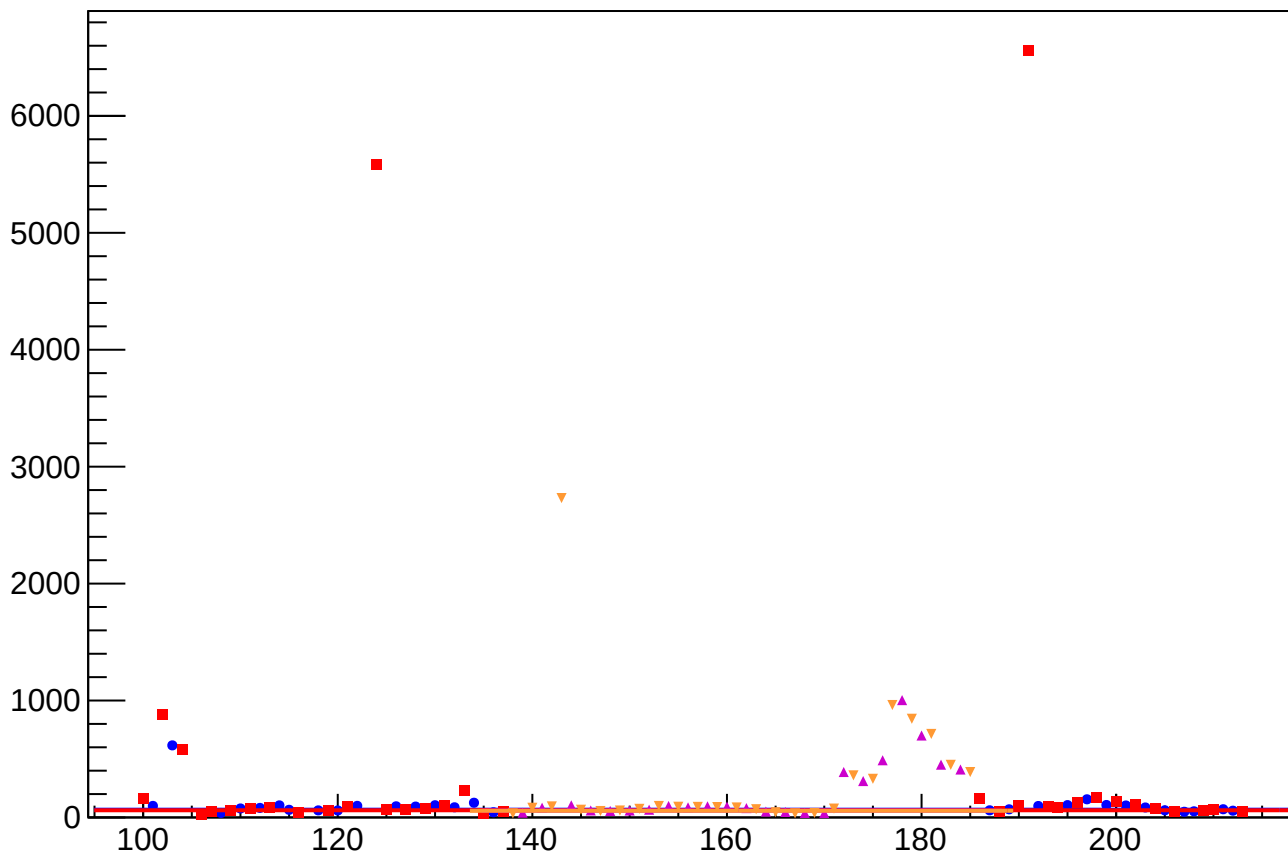
Left In: 0.019 $\pm$ 0.017 χ^2 /NDF:15.4/22

+ sign 0.035 $\pm$ 0.012 χ^2 /NDF: 56.5/53

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 109.6/110

- sign -0.009 $\pm$ 0.012 χ^2 /NDF: 46.6/56

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.360 ± 0.013 χ^2/NDF : 4238816.7/28

Left Out: 57.258 ± 0.012 χ^2/NDF : 12321763.3/24

Right Out: 61.523 ± 0.012 χ^2/NDF : 7317057.0/33

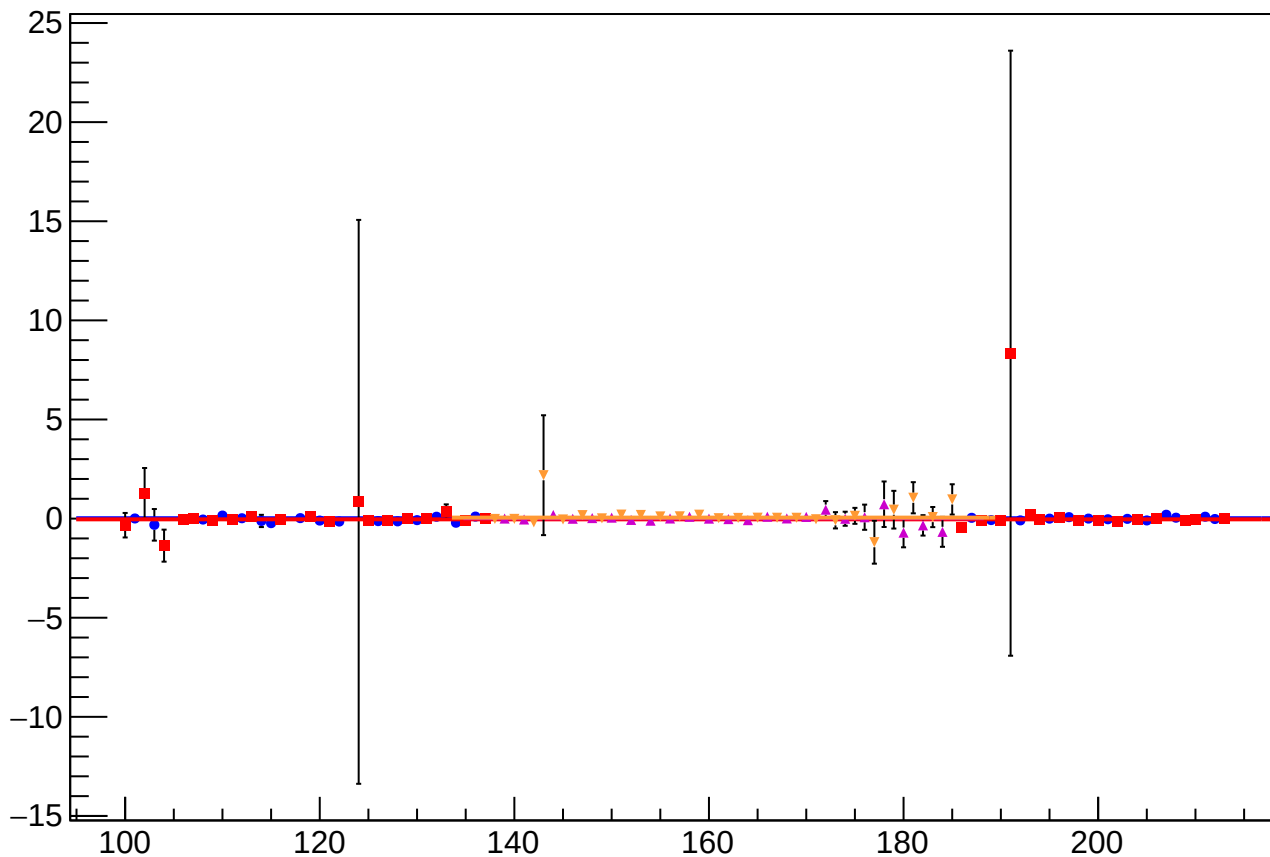
Left In: 58.582 ± 0.012 χ^2/NDF : 10247153.8/22

+ sign 61.598 ± 0.009 χ^2/NDF : 16833048.9/53

All: 60.818 ± 0.006 χ^2/NDF : 34442847.2/110

- sign 60.077 ± 0.008 χ^2/NDF : 17594179.7/56

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.018 χ^2/NDF : 30.4/28

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.037 ± 0.017 χ^2/NDF : 25.7/33

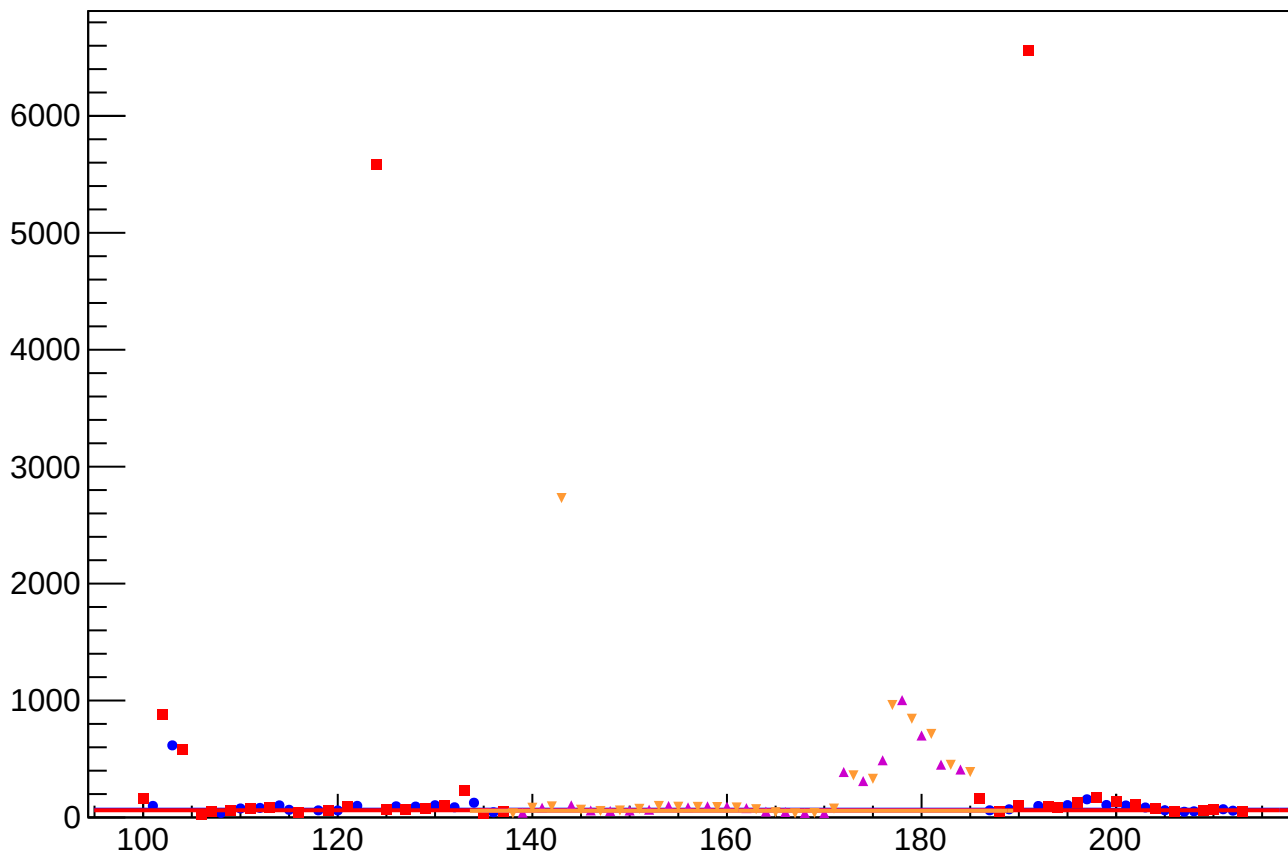
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.035 ± 0.012 χ^2/NDF : 56.5/53

All: 0.012 ± 0.009 χ^2/NDF : 109.6/110

- sign -0.009 ± 0.012 χ^2/NDF : 46.6/56

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.360 $\pm$ 0.013 χ^2 /NDF: 4238816.7/28

Left Out: 57.258 $\pm$ 0.012 χ^2 /NDF:12321763.3/24

Right Out: 61.523 $\pm$ 0.012 χ^2 /NDF: 7317057.0/33

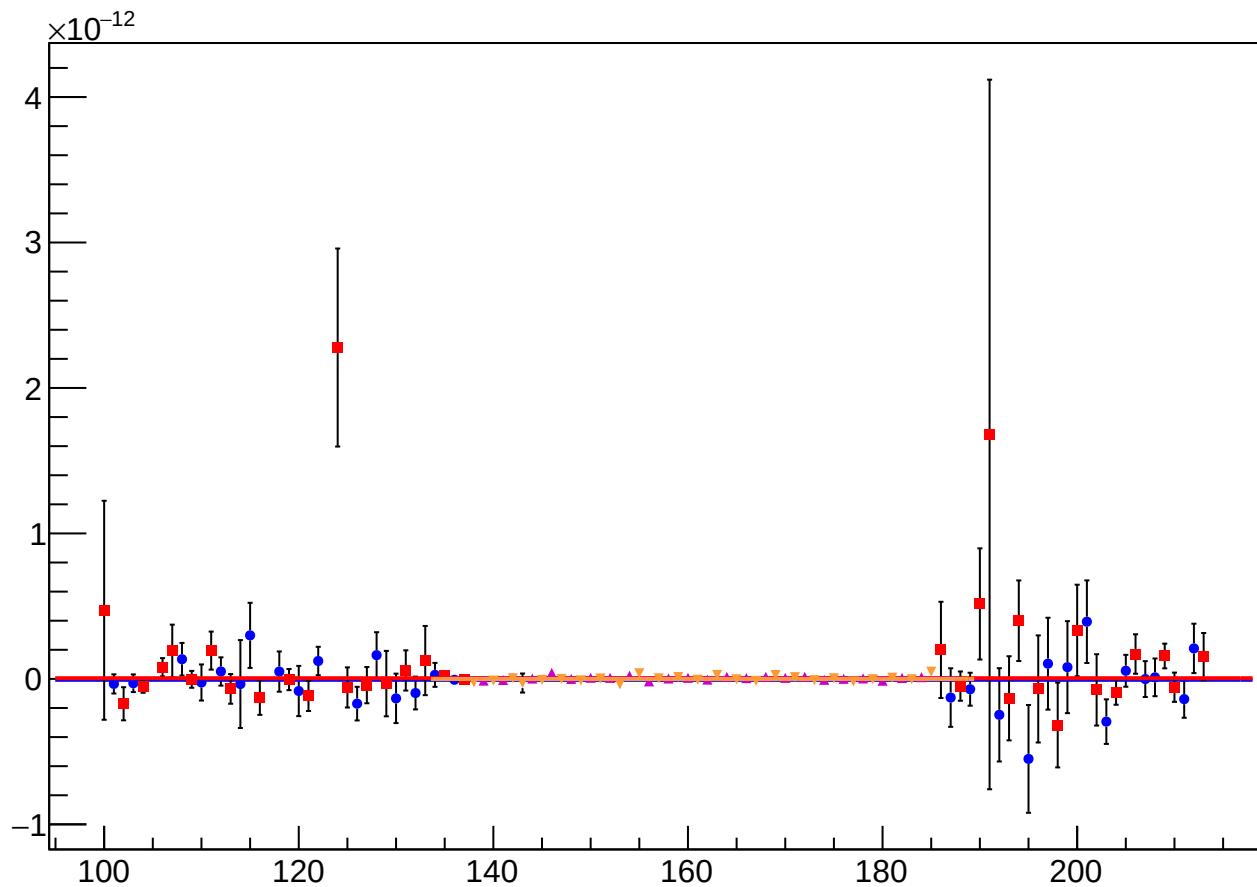
Left In: 58.582 $\pm$ 0.012 χ^2 /NDF:10247153.8/22

+ sign 61.598 $\pm$ 0.009 χ^2 /NDF: 16833048.9/53

All: 60.818 $\pm$ 0.006 χ^2 /NDF: 34442847.2/110

- sign 60.077 $\pm$ 0.008 χ^2 /NDF: 17594179.7/56

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.0/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 40.0/33

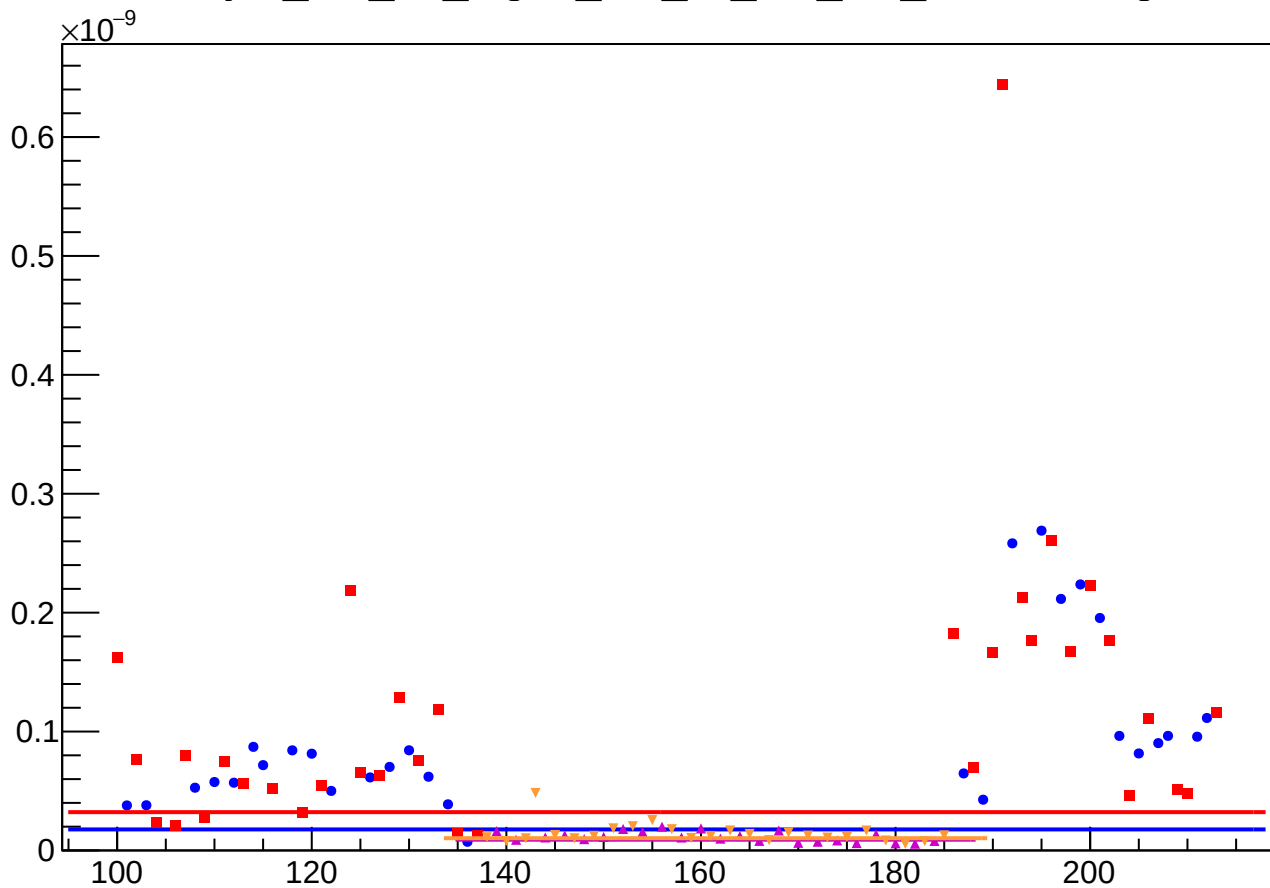
Left In: 0.000 ± 0.000 χ^2/NDF : 15.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.1/53

All: 0.000 ± 0.000 χ^2/NDF : 98.5/110

- sign 0.000 ± 0.000 χ^2/NDF : 55.4/56

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13951094.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10453385.6/33

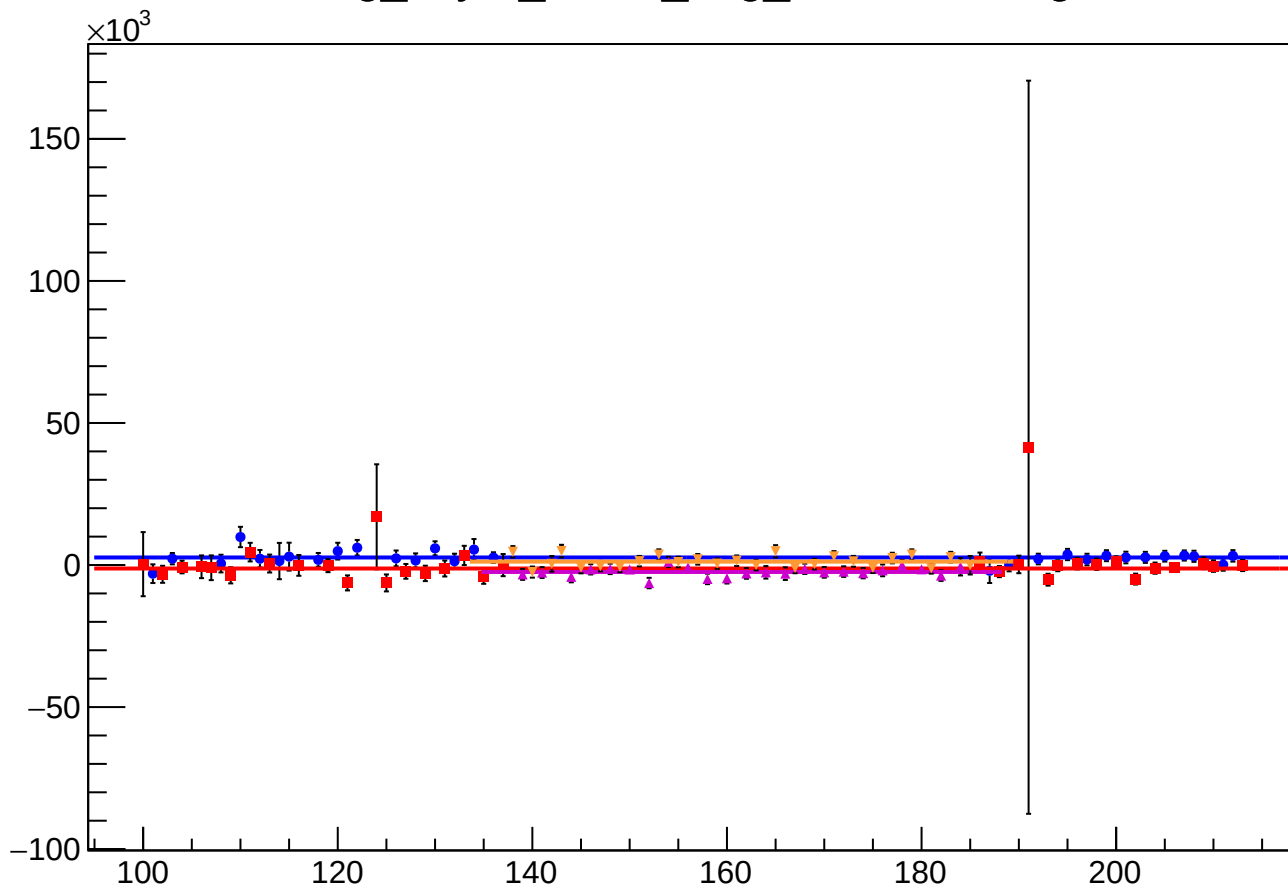
Left In: 0.000+/-0.000 χ^2/NDF : 3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 18589727.2/53

All: 0.000+/-0.000 χ^2/NDF : 37441270.1/110

- sign 0.000+/-0.000 χ^2/NDF : 18730378.3/56

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2658.308 ± 440.139 χ^2/NDF : 17.1/28

Left Out: 1202.401 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1225.494 ± 432.257 χ^2/NDF : 29.2/33

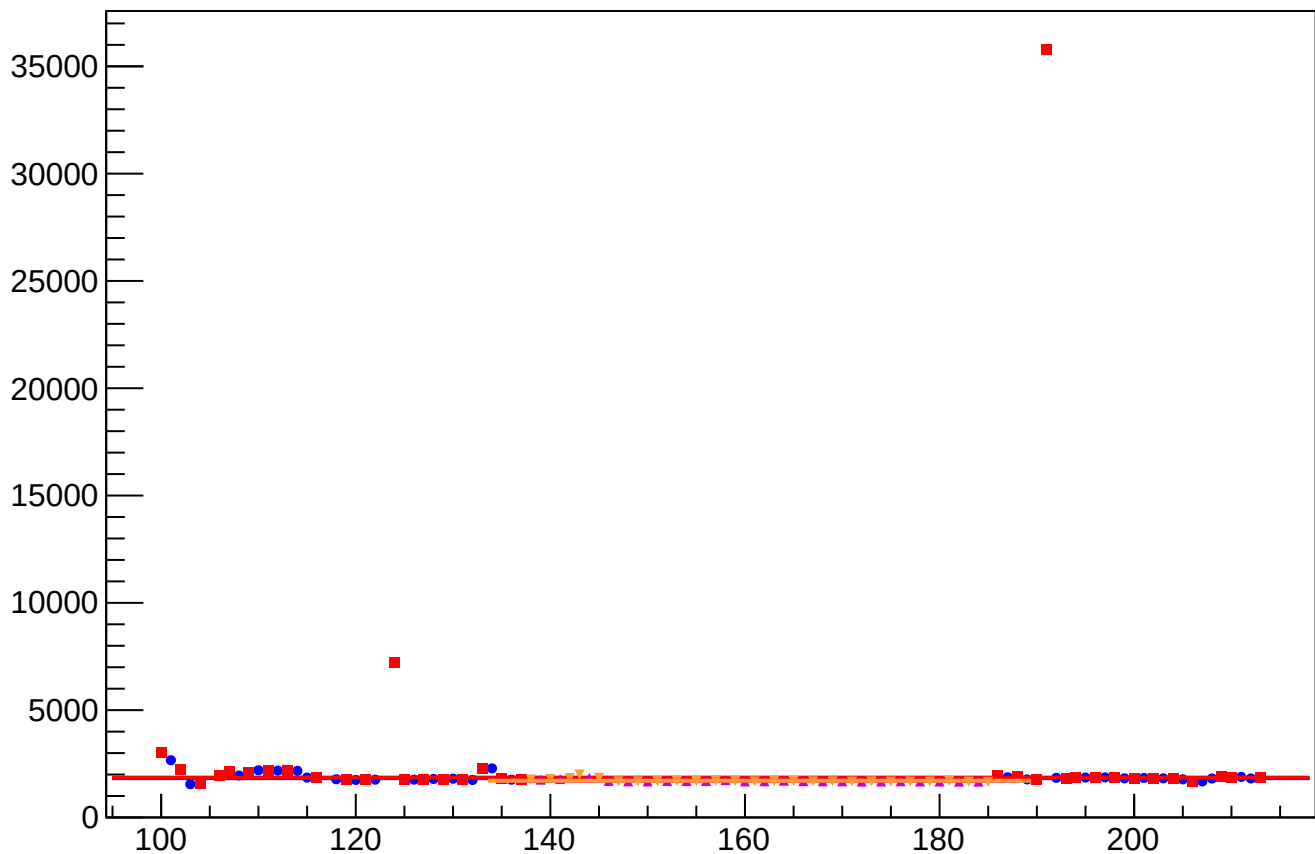
Left In: -2439.008 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1841.150 ± 291.533 χ^2/NDF : 49.6/53

All: -12.630 ± 206.584 χ^2/NDF : 181.7/110

- sign -1882.283 ± 292.779 χ^2/NDF : 51.0/56

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1831.118+/-0.311 χ^2/NDF : 285994.8/28

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1856.447+/-0.305 χ^2/NDF : 543246.1/33

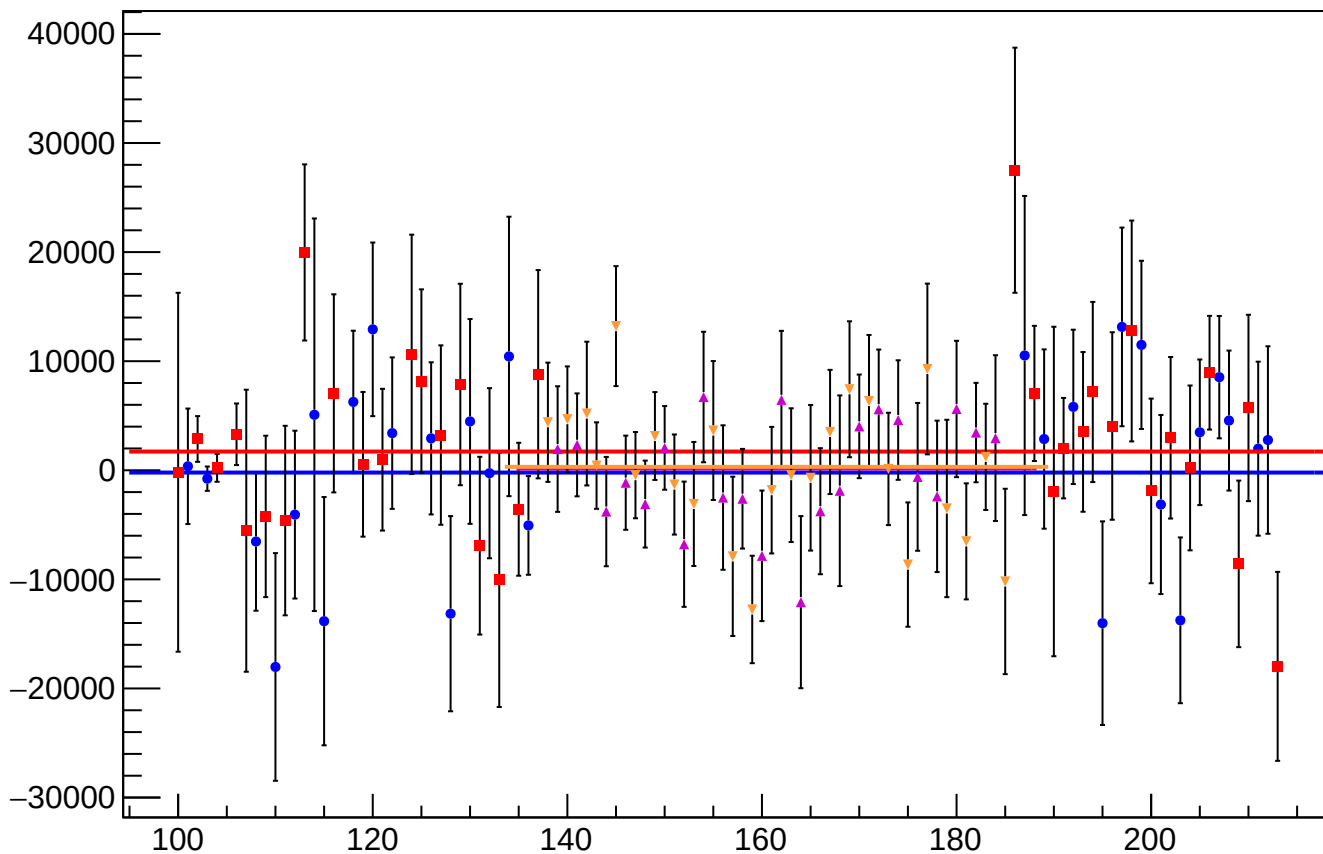
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1764.135+/-0.206 χ^2/NDF : 428592.3/53

All: 1769.042+/-0.146 χ^2/NDF : 1130363.3/11

- sign 1773.987+/-0.207 χ^2/NDF : 700633.4/56

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -209.104 $\pm$ 877.628 χ^2 /NDF: 29.1/28

Left Out: 314.051 $\pm$ 1091.976 χ^2 /NDF:27.0/24

Right Out: 1716.331 $\pm$ 826.215 χ^2 /NDF: 31.4/33

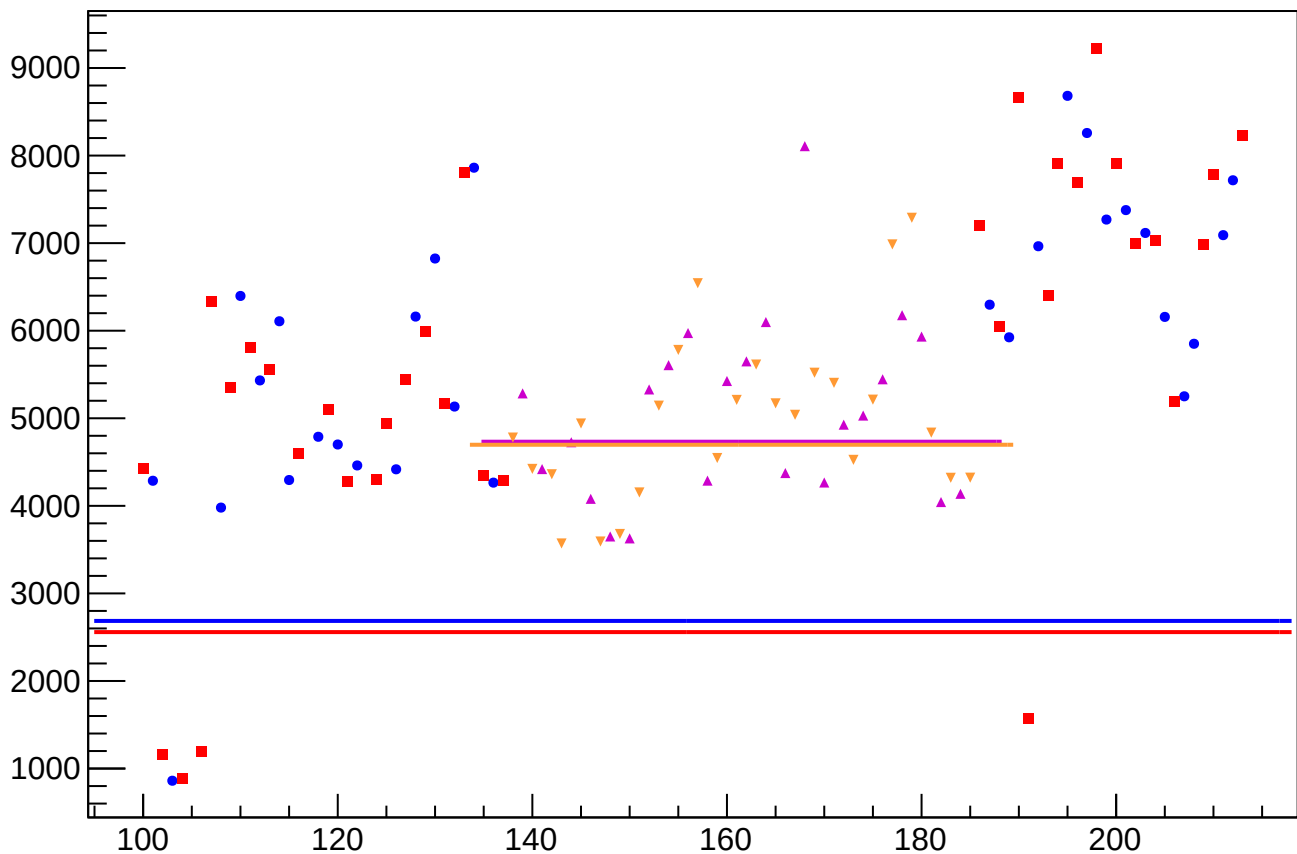
Left In: 157.968 $\pm$ 1128.443 χ^2 /NDF:14.7/22

+ sign -3.794 $\pm$ 684.074 χ^2 /NDF: 56.3/53

All: 599.527 $\pm$ 477.427 χ^2 /NDF: 105.2/110

- sign 1172.477 $\pm$ 666.633 χ^2 /NDF: 47.3/56

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2685.825 $\pm$ 0.621 χ^2 /NDF: 15820092.8/28

Left Out: 4697.622 $\pm$ 0.772 χ^2 /NDF:1239373.0/24

Right Out: 2558.188 $\pm$ 0.584 χ^2 /NDF: 17307879.5/33

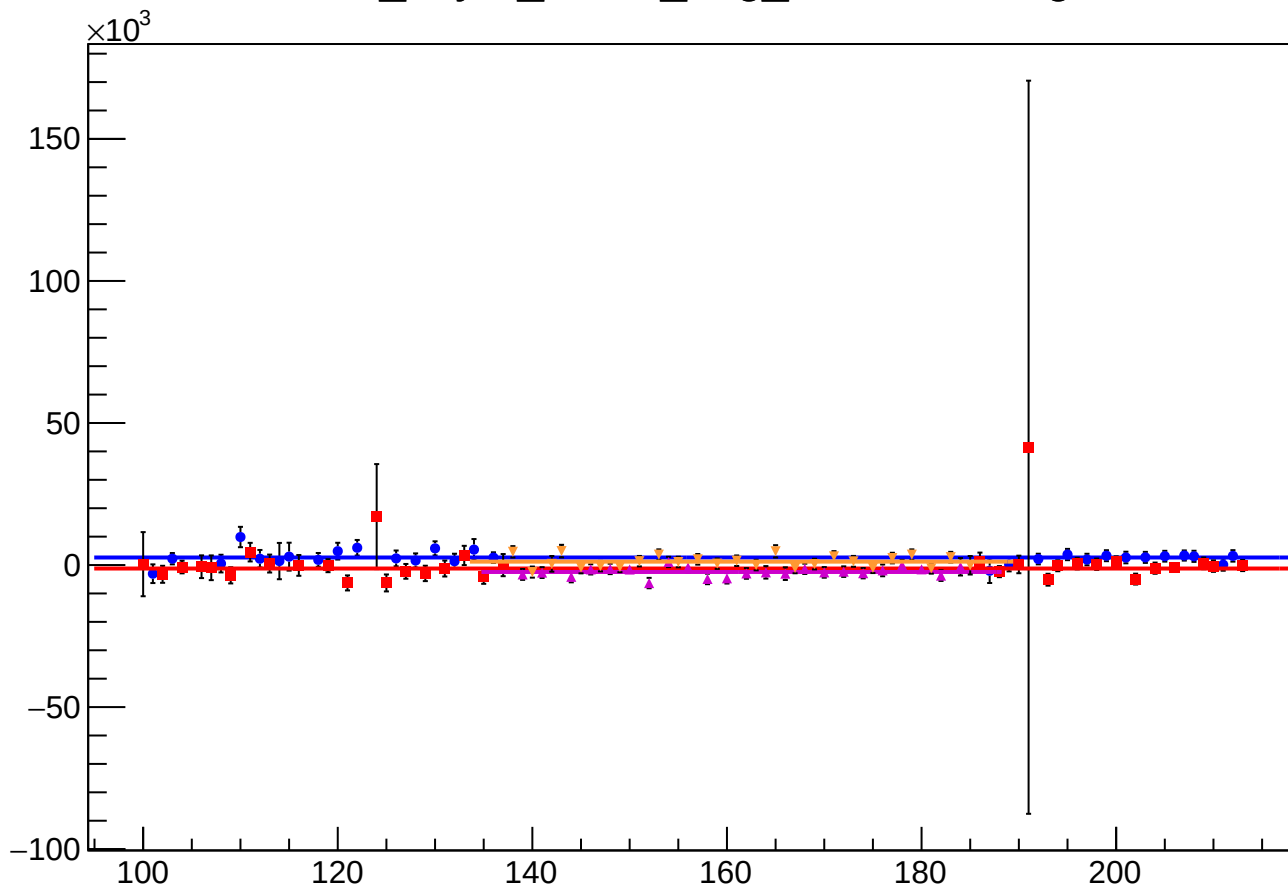
Left In: 4732.424 $\pm$ 0.798 χ^2 /NDF:1242793.9/22

+ sign 3475.346 $\pm$ 0.484 χ^2 /NDF: 21183832.4/53

All: 3394.116 $\pm$ 0.338 χ^2 /NDF: 44623091.2/100

- sign 3316.976 $\pm$ 0.471 χ^2 /NDF: 23384277.6/56

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2658.467 $\pm$ 440.139 χ^2/NDF : 17.1/28

Left Out: 1202.304 $\pm$ 389.137 χ^2/NDF : 26.3/24

Right Out: -1225.053 $\pm$ 432.257 χ^2/NDF : 29.2/33

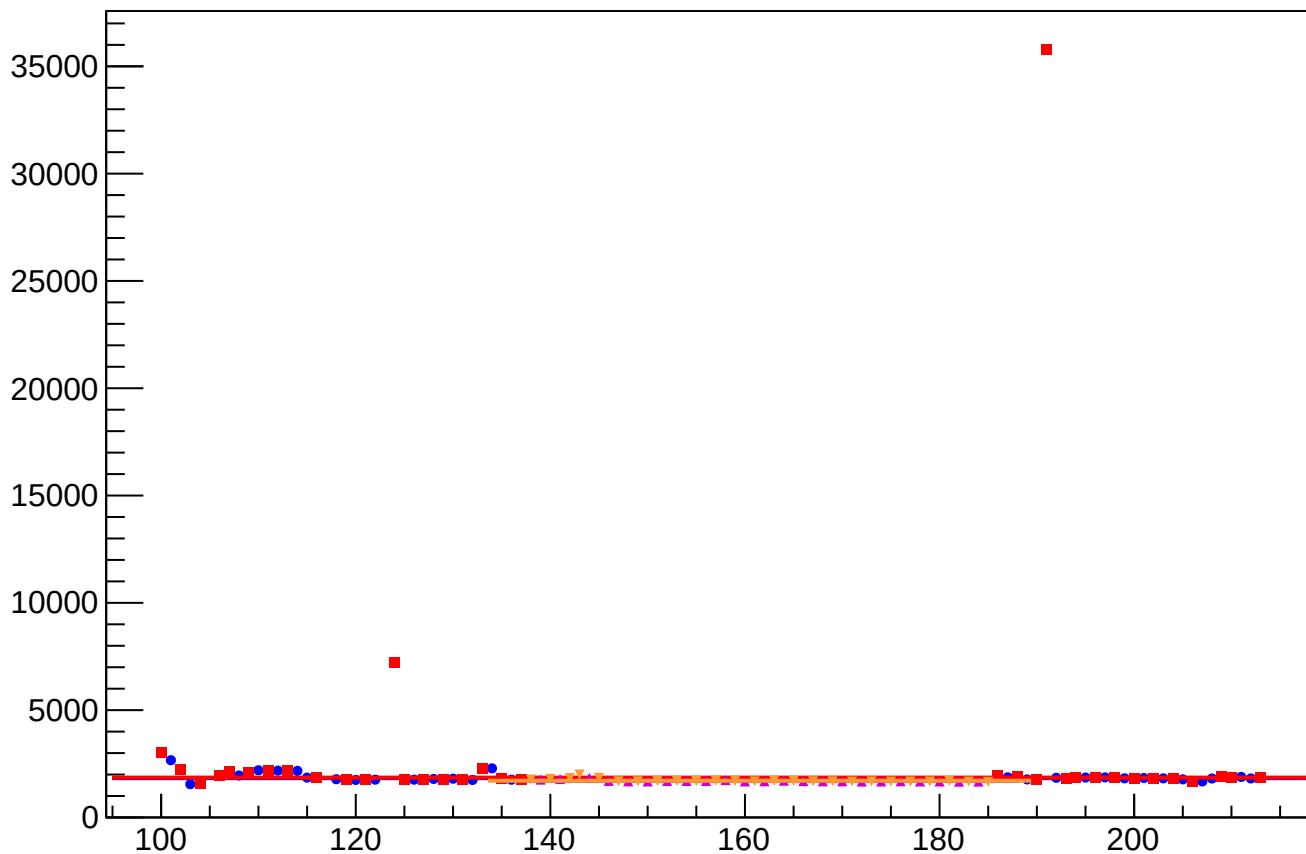
Left In: -2438.940 $\pm$ 397.969 χ^2/NDF : 17.5/22

+ sign 1841.165 $\pm$ 291.533 χ^2/NDF : 49.6/53

All: -12.503 $\pm$ 206.584 χ^2/NDF : 181.8/110

- sign -1882.044 $\pm$ 292.779 χ^2/NDF : 51.0/56

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1831.118+/-0.311 χ^2/NDF : 285994.7/28

Left Out: 1711.777+/-0.275 χ^2/NDF : 60068.7/24

Right Out: 1856.613+/-0.305 χ^2/NDF : 543615.0/33

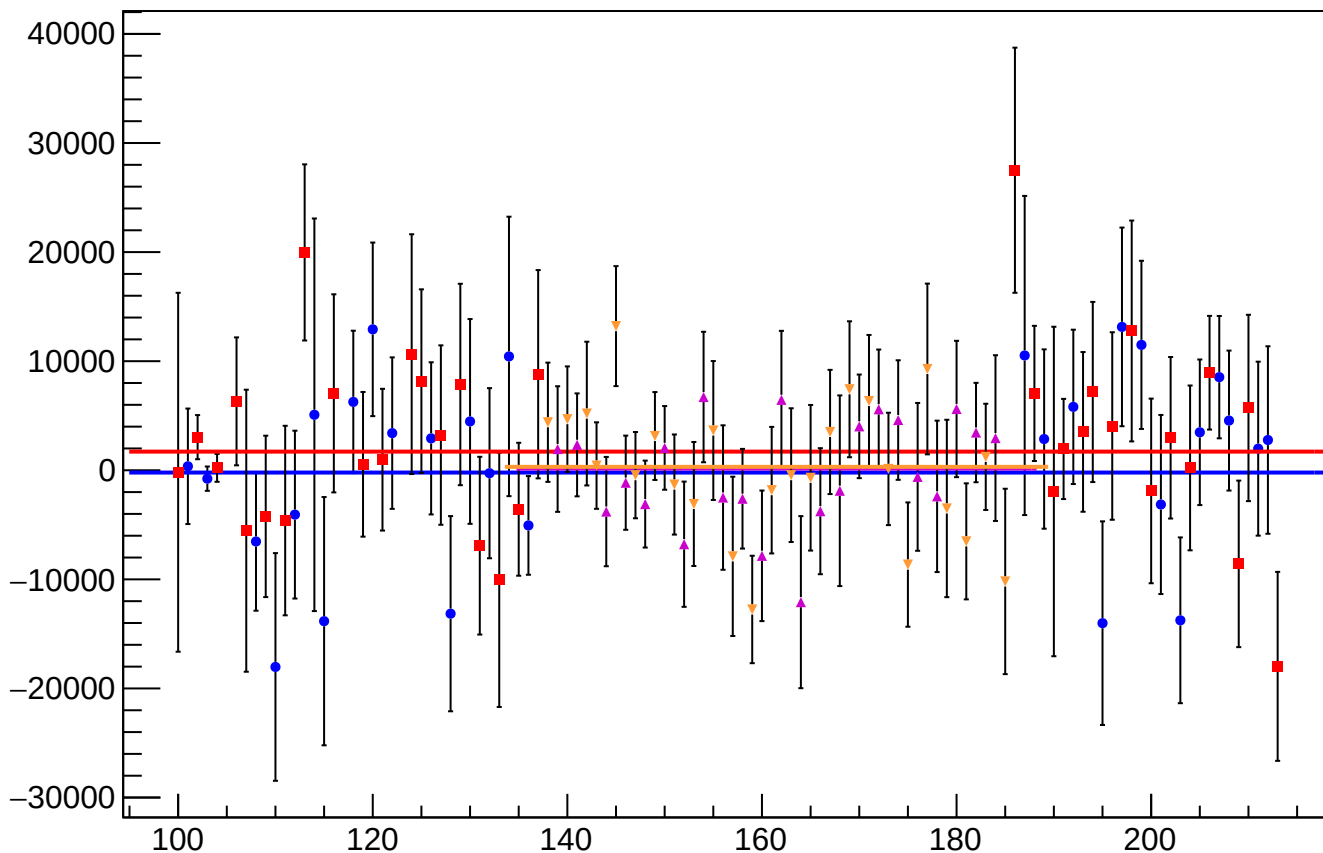
Left In: 1703.969+/-0.281 χ^2/NDF : 22568.8/22

+ sign 1764.135+/-0.206 χ^2/NDF : 428592.2/53

All: 1769.077+/-0.146 χ^2/NDF : 1131029.2/113

- sign 1774.057+/-0.207 χ^2/NDF : 701283.4/56

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -208.738 ± 877.587 $\chi^2/\text{NDF}: 29.1/28$

Left Out: 314.084 ± 1091.975 $\chi^2/\text{NDF}: 27.0/24$

Right Out: 1709.994 ± 849.570 $\chi^2/\text{NDF}: 31.8/33$

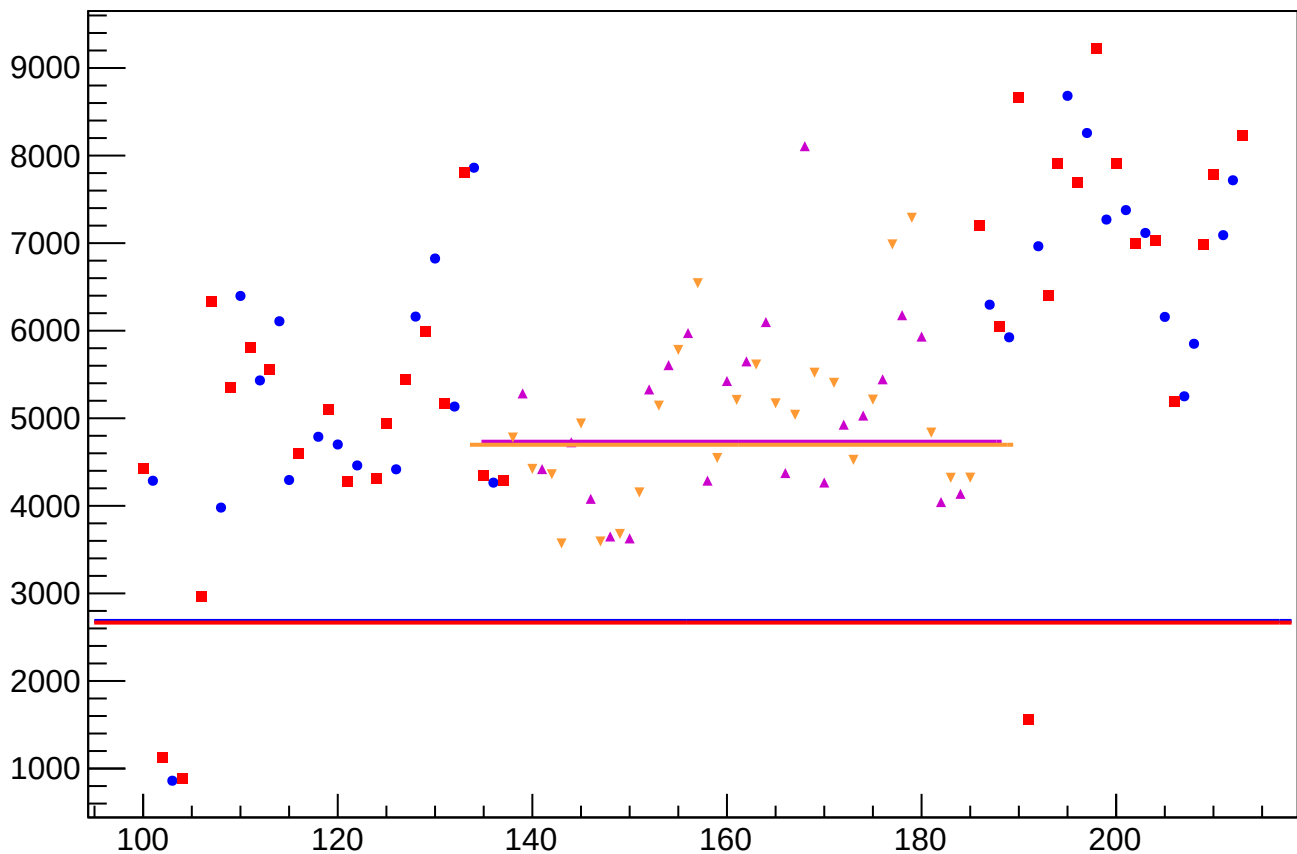
Left In: 157.977 ± 1128.443 $\chi^2/\text{NDF}: 14.7/22$

+ sign -3.570 ± 684.054 $\chi^2/\text{NDF}: 56.3/53$

All: 576.992 ± 481.802 $\chi^2/\text{NDF}: 105.5/110$

- sign 1148.534 ± 678.720 $\chi^2/\text{NDF}: 47.7/56$

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2685.622 $\pm$ 0.621 χ^2 /NDF: 15821210.8/28

Left Out: 4697.618 $\pm$ 0.772 χ^2 /NDF:1239387.1/24

Right Out: 2666.595 $\pm$ 0.601 χ^2 /NDF: 16936105.6/33

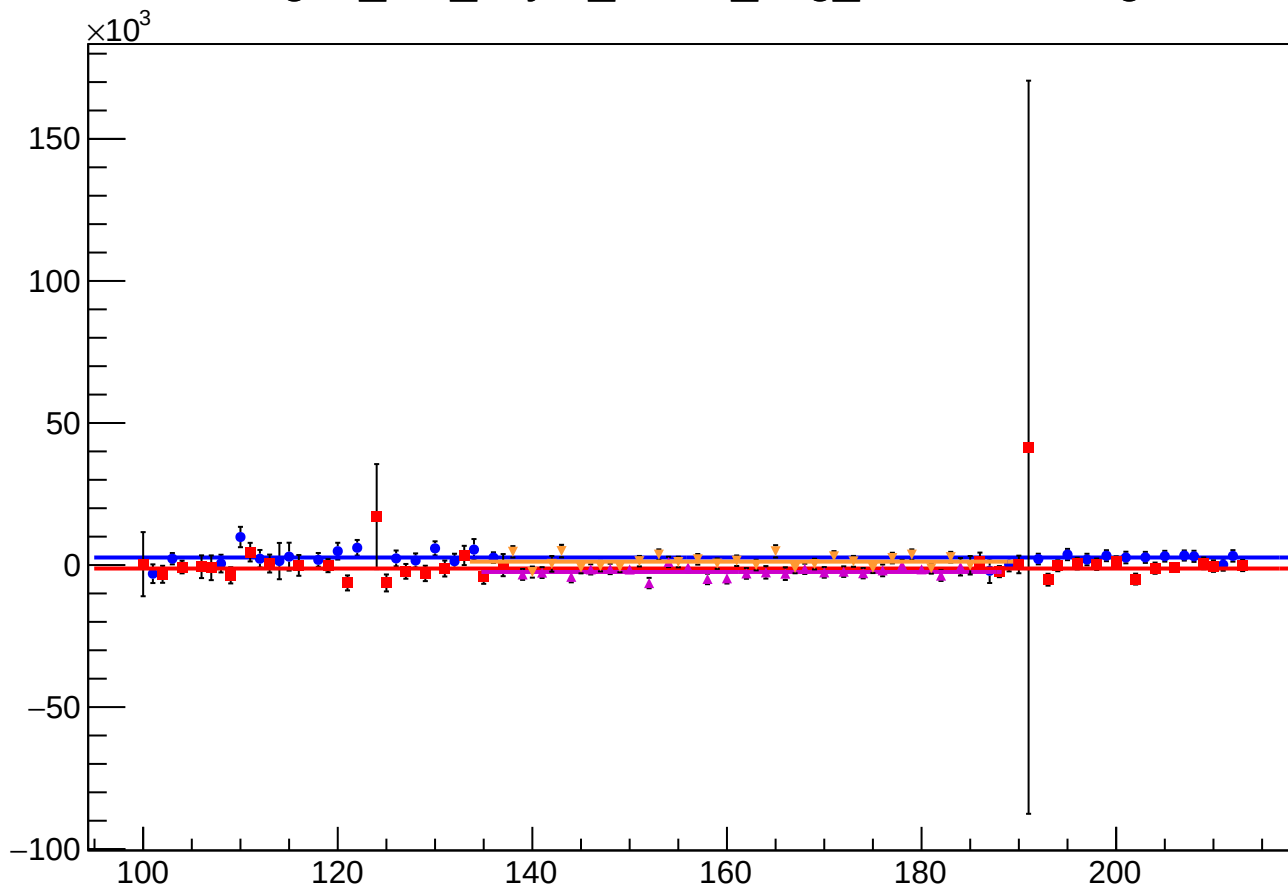
Left In: 4732.421 $\pm$ 0.798 χ^2 /NDF:1242809.3/22

+ sign 3475.178 $\pm$ 0.484 χ^2 /NDF: 21185932.2/53

All: 3444.315 $\pm$ 0.341 χ^2 /NDF: 43650933.0/1

- sign 3413.931 $\pm$ 0.480 χ^2 /NDF: 22456921.4/56

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2658.467 $\pm$ 440.139 χ^2/NDF : 17.1/28

Left Out: 1202.304 $\pm$ 389.137 χ^2/NDF : 26.3/24

Right Out: -1225.053 $\pm$ 432.257 χ^2/NDF : 29.2/33

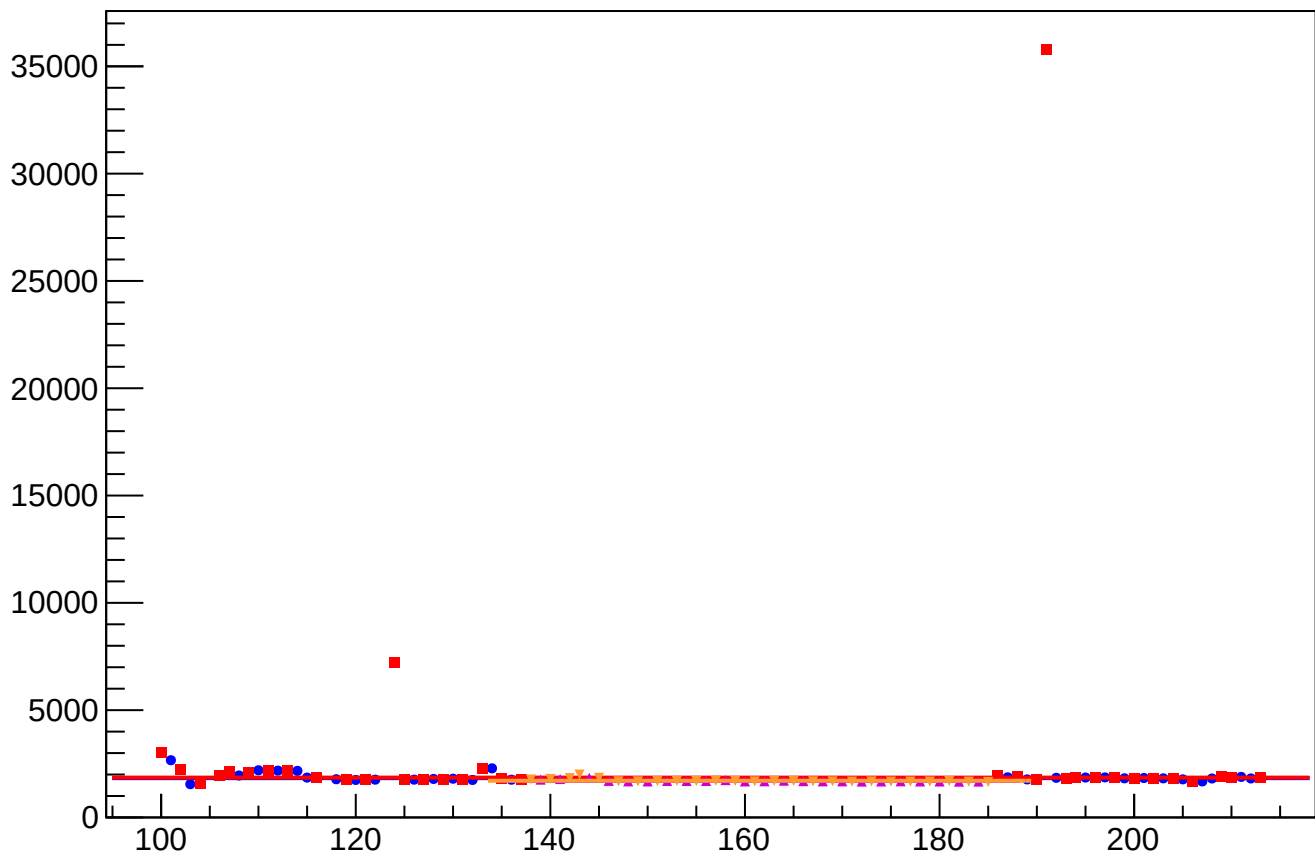
Left In: -2438.940 $\pm$ 397.969 χ^2/NDF : 17.5/22

+ sign 1841.165 $\pm$ 291.533 χ^2/NDF : 49.6/53

All: -12.503 $\pm$ 206.584 χ^2/NDF : 181.8/110

- sign -1882.044 $\pm$ 292.779 χ^2/NDF : 51.0/56

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1831.118 ± 0.311 $\chi^2/\text{NDF}: 285994.7/28$

Left Out: 1711.777 ± 0.275 $\chi^2/\text{NDF}: 60068.7/24$

Right Out: 1856.613 ± 0.305 $\chi^2/\text{NDF}: 543615.0/33$

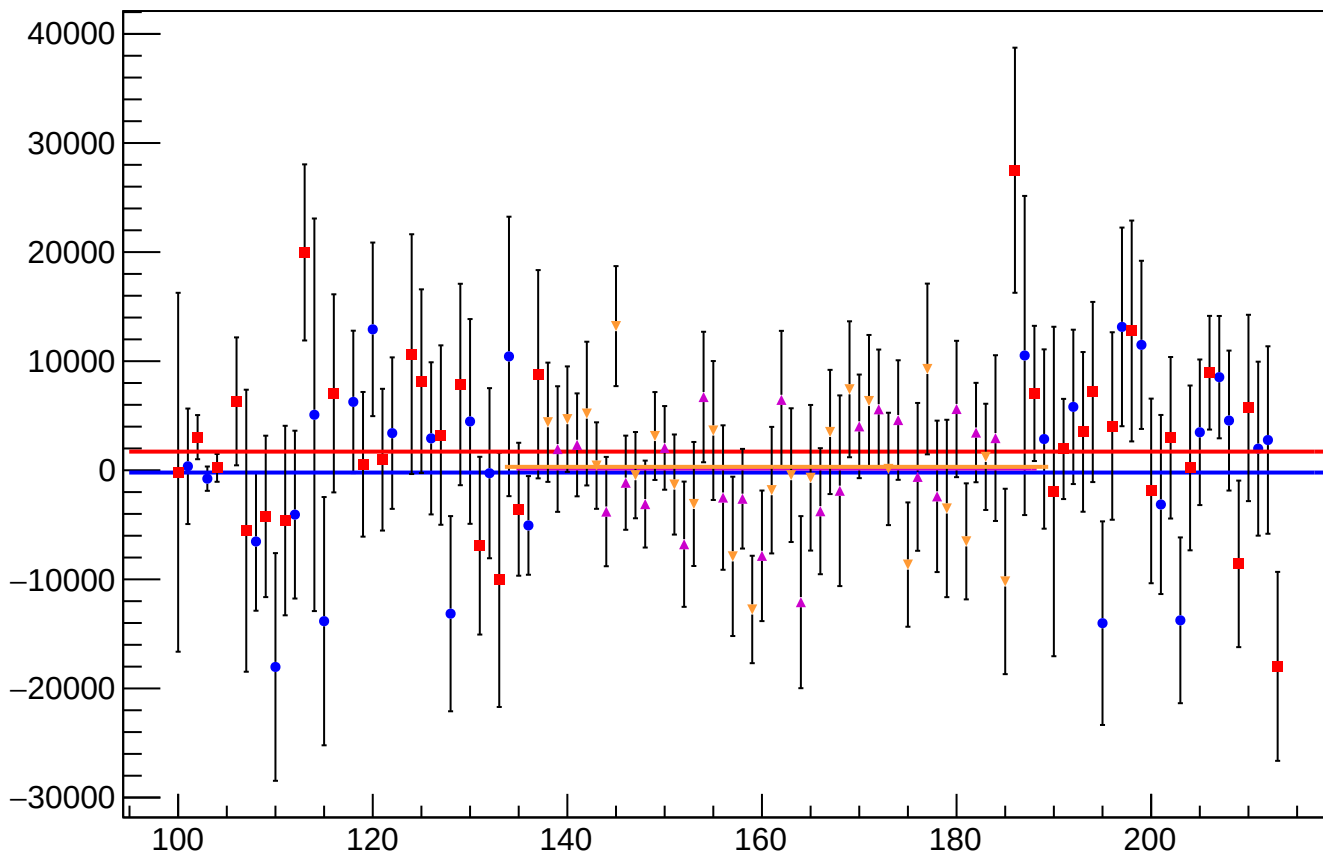
Left In: 1703.969 ± 0.281 $\chi^2/\text{NDF}: 22568.8/22$

+ sign 1764.135 ± 0.206 $\chi^2/\text{NDF}: 428592.2/53$

All: 1769.077 ± 0.146 $\chi^2/\text{NDF}: 1131029.2/113$

- sign 1774.057 ± 0.207 $\chi^2/\text{NDF}: 701283.4/56$

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -208.738 ± 877.587 $\chi^2/\text{NDF}: 29.1/28$

Left Out: 314.084 ± 1091.975 $\chi^2/\text{NDF}: 27.0/24$

Right Out: 1709.994 ± 849.570 $\chi^2/\text{NDF}: 31.8/33$

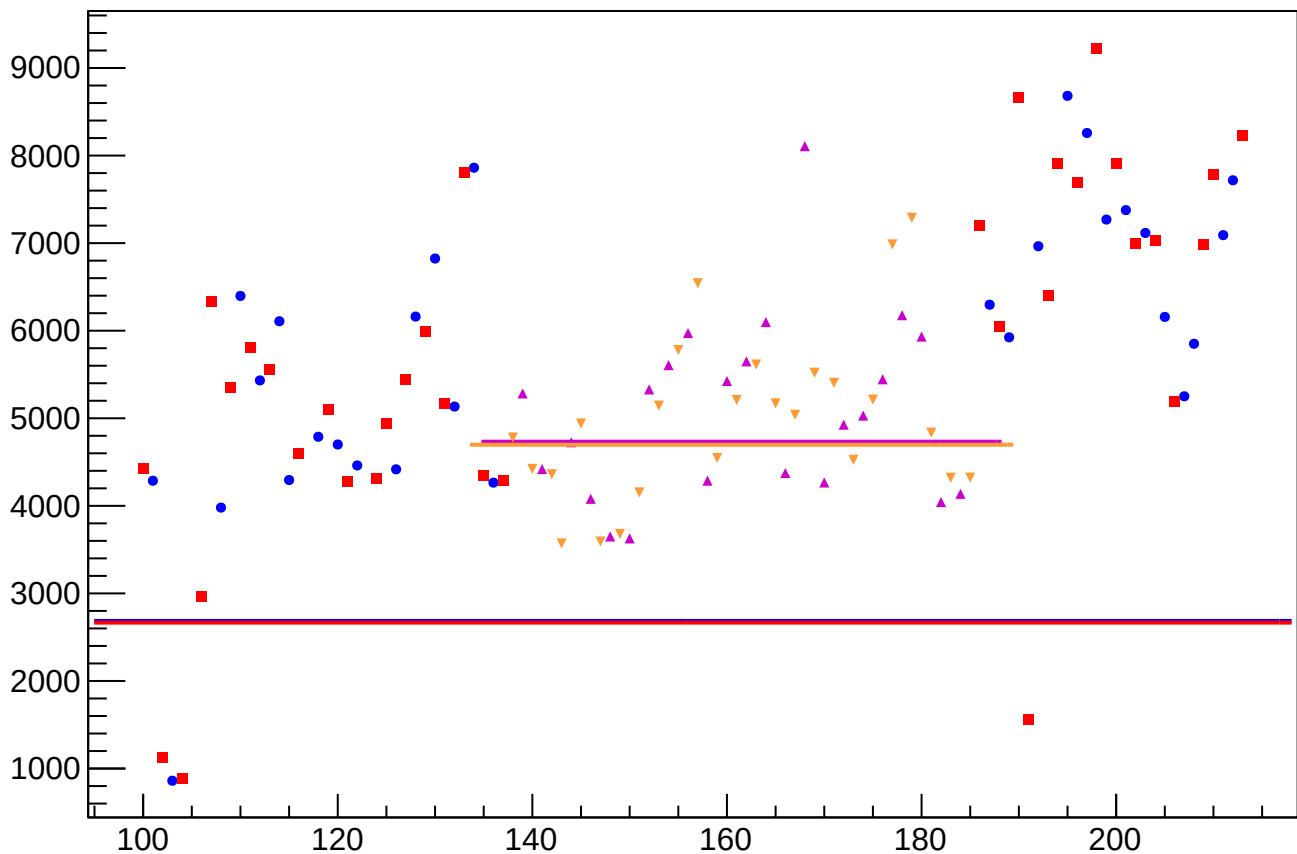
Left In: 157.977 ± 1128.443 $\chi^2/\text{NDF}: 14.7/22$

+ sign -3.570 ± 684.054 $\chi^2/\text{NDF}: 56.3/53$

All: 576.992 ± 481.802 $\chi^2/\text{NDF}: 105.5/110$

- sign 1148.534 ± 678.720 $\chi^2/\text{NDF}: 47.7/56$

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2685.622+/-0.621 χ^2/NDF : 15821210.8/28

Left Out: 4697.618+/-0.772 χ^2/NDF : 1239387.1/24

Right Out: 2666.595+/-0.601 χ^2/NDF : 16936105.6/33

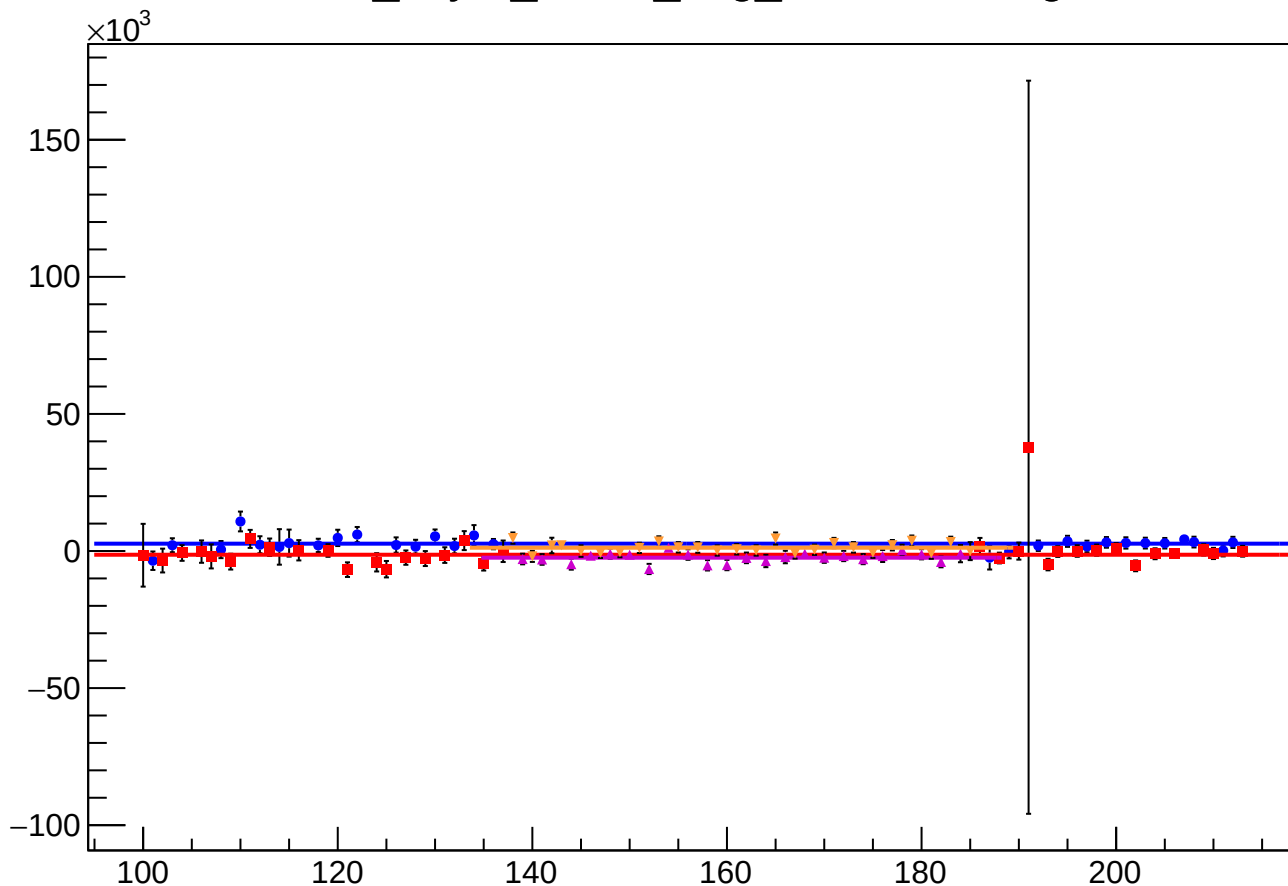
Left In: 4732.421+/-0.798 χ^2/NDF : 1242809.3/22

+ sign 3475.178+/-0.484 χ^2/NDF : 21185932.2/53

All: 3444.315+/-0.341 χ^2/NDF : 43650933.0/1

- sign 3413.931+/-0.480 χ^2/NDF : 22456921.4/56

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2676.762 ± 449.463 χ^2/NDF : 18.8/28

Left Out: 1197.362 ± 392.981 χ^2/NDF : 19.5/24

Right Out: -1358.990 ± 439.433 χ^2/NDF : 30.8/33

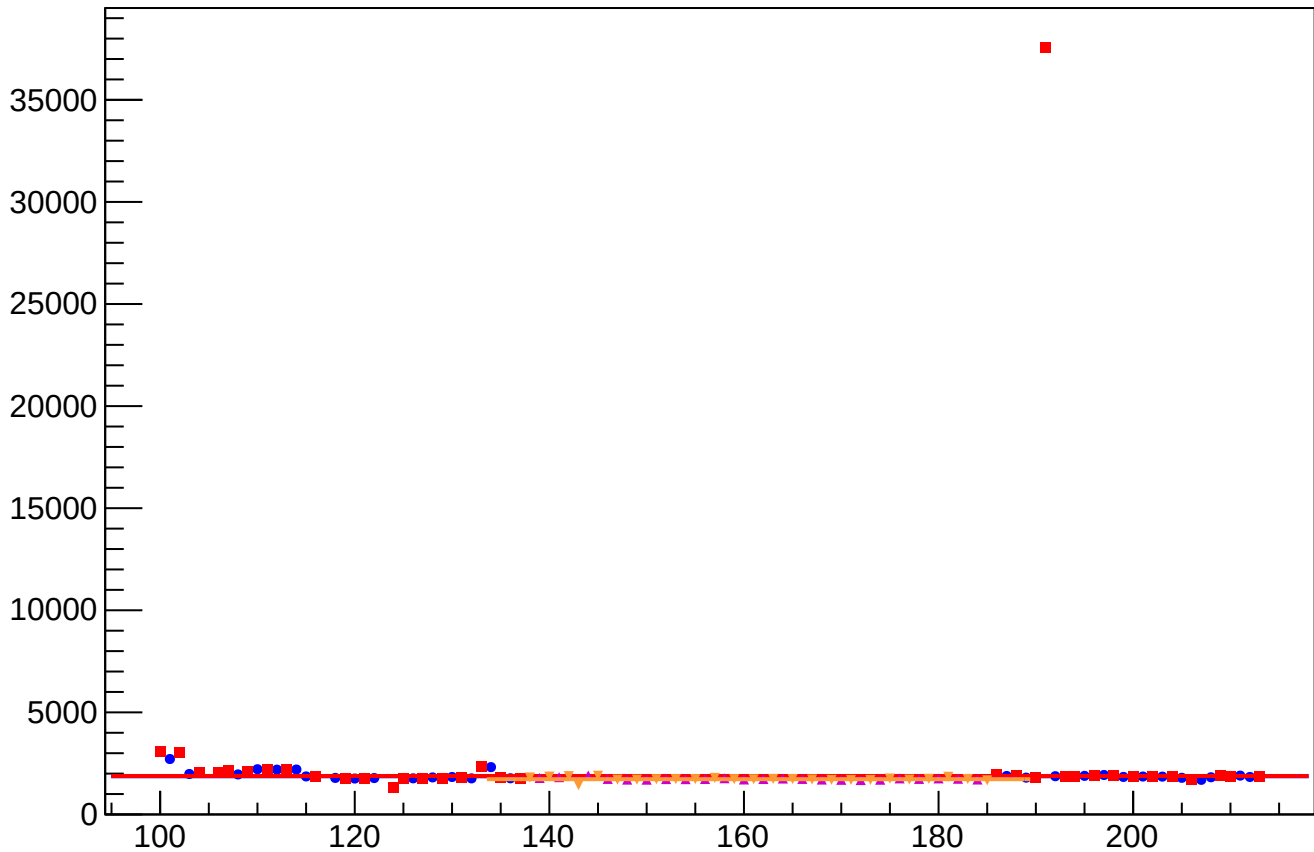
Left In: -2438.062 ± 407.551 χ^2/NDF : 20.6/22

+ sign 1838.320 ± 295.846 χ^2/NDF : 44.4/53

All: -31.503 ± 210.238 χ^2/NDF : 179.7/110

- sign -1939.086 ± 298.818 χ^2/NDF : 54.6/56

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.217 $\pm$ 0.318 χ^2 /NDF: 252616.0/28

Left Out: 1727.235 $\pm$ 0.278 χ^2 /NDF: 110270.9/24

Right Out: 1884.323 $\pm$ 0.311 χ^2 /NDF: 521007.6/33

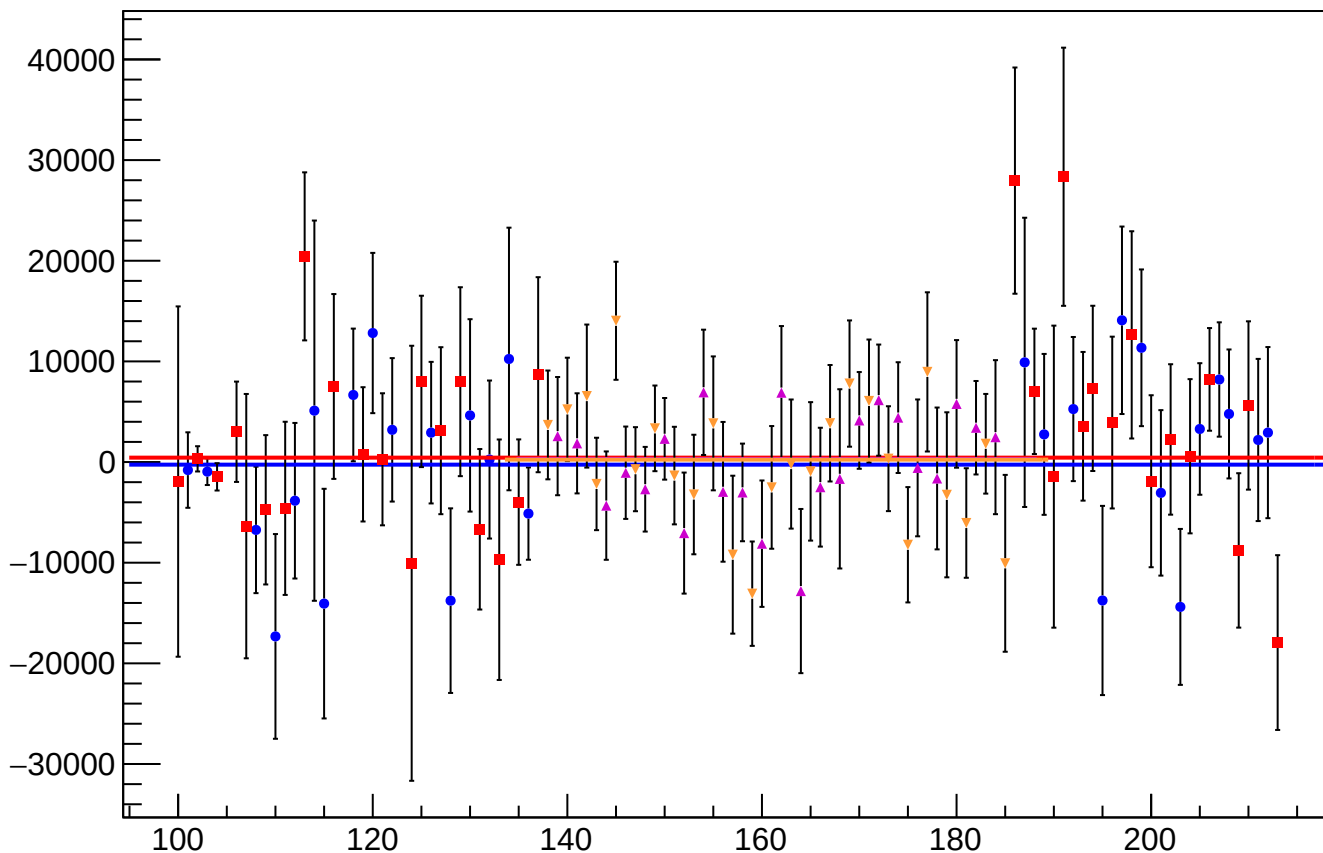
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1789.182 $\pm$ 0.209 χ^2 /NDF: 477594.0/53

All: 1799.116 $\pm$ 0.149 χ^2 /NDF: 1138638.8/11

- sign 1809.248 $\pm$ 0.211 χ^2 /NDF: 656490.0/56

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -258.839+/-958.562 χ^2/NDF : 29.1/28

Left Out: 241.131+/-1140.961 χ^2/NDF : 26.7/24

Right Out: 437.452+/-775.168 χ^2/NDF : 37.3/33

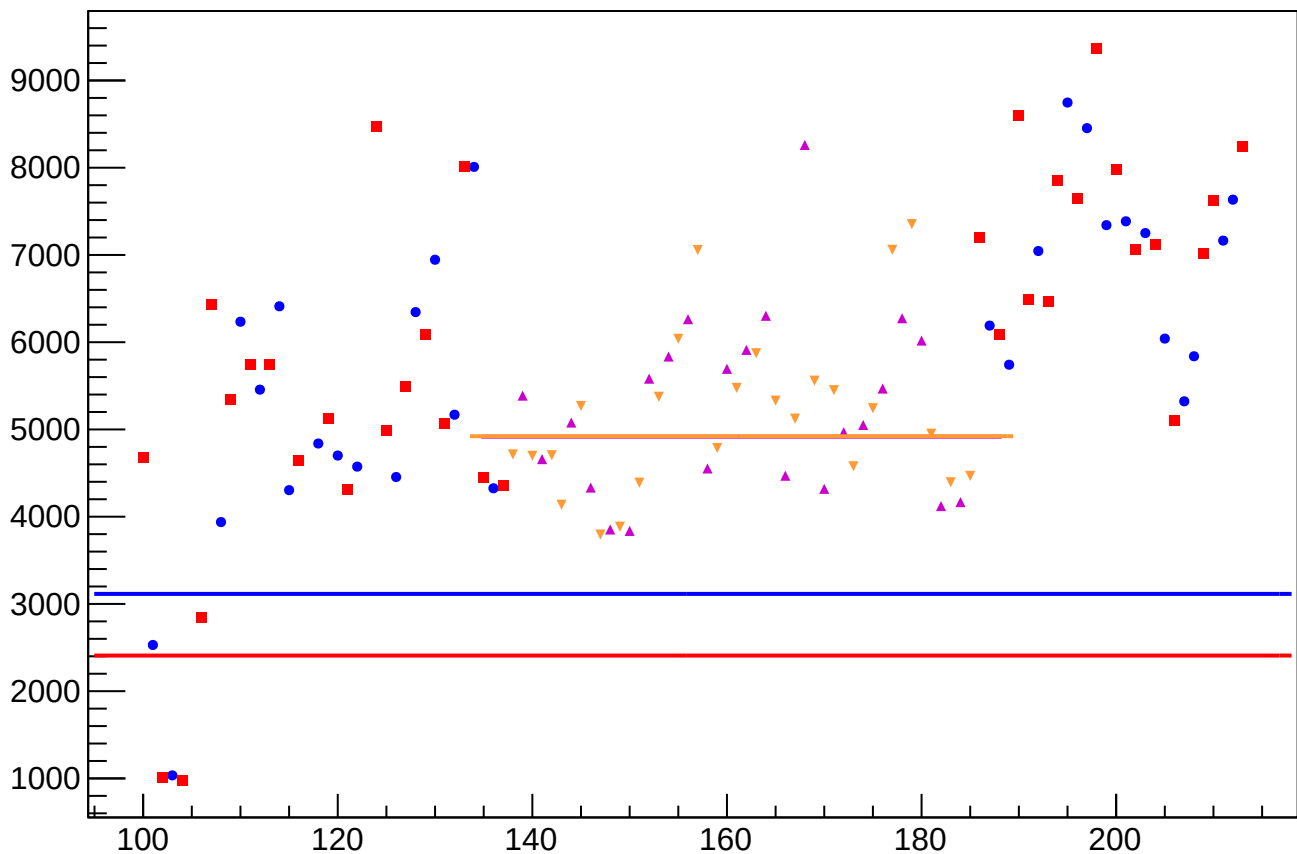
Left In: 306.106+/-1171.019 χ^2/NDF : 14.5/22

+ sign -51.964+/-733.927 χ^2/NDF : 55.9/53

All: 201.124+/-485.074 χ^2/NDF : 107.9/110

- sign 397.433+/-646.379 χ^2/NDF : 51.8/56

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3115.107 $\pm$ 0.678 χ^2/NDF : 13046349.0/28

Left Out: 4922.380 $\pm$ 0.807 χ^2/NDF : 1050408.0/24

Right Out: 2408.441 $\pm$ 0.548 χ^2/NDF : 18494054.4/33

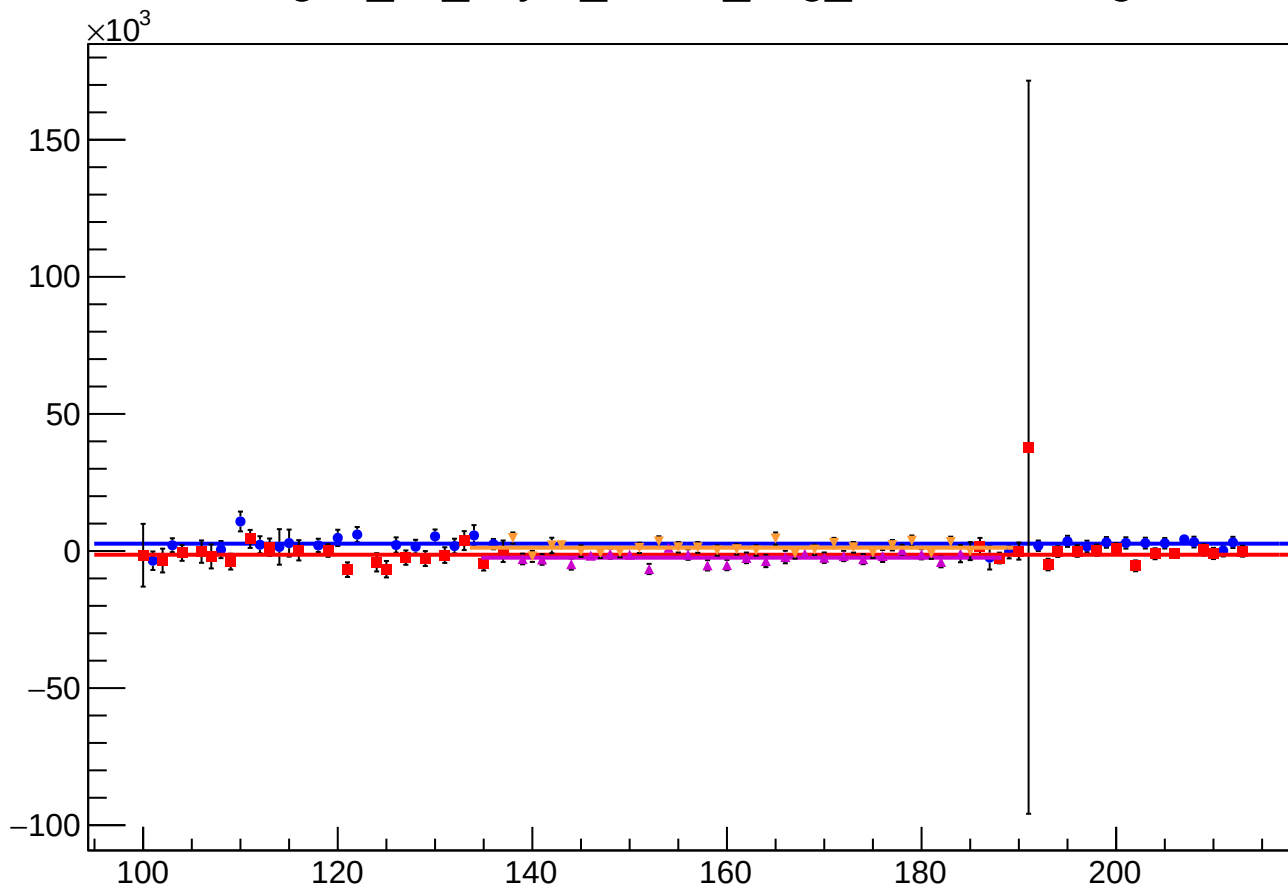
Left In: 4916.964 $\pm$ 0.828 χ^2/NDF : 1161642.5/22

+ sign 3862.911 $\pm$ 0.519 χ^2/NDF : 17038471.7/53

All: 3474.228 $\pm$ 0.343 χ^2/NDF : 44071694.2/100

- sign 3172.743 $\pm$ 0.457 χ^2/NDF : 26037184.9/56

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2676.758 $\pm$ 449.463 χ^2/NDF : 18.8/28

Left Out: 1197.356 $\pm$ 392.981 χ^2/NDF : 19.5/24

Right Out: -1358.991 $\pm$ 439.433 χ^2/NDF : 30.8/33

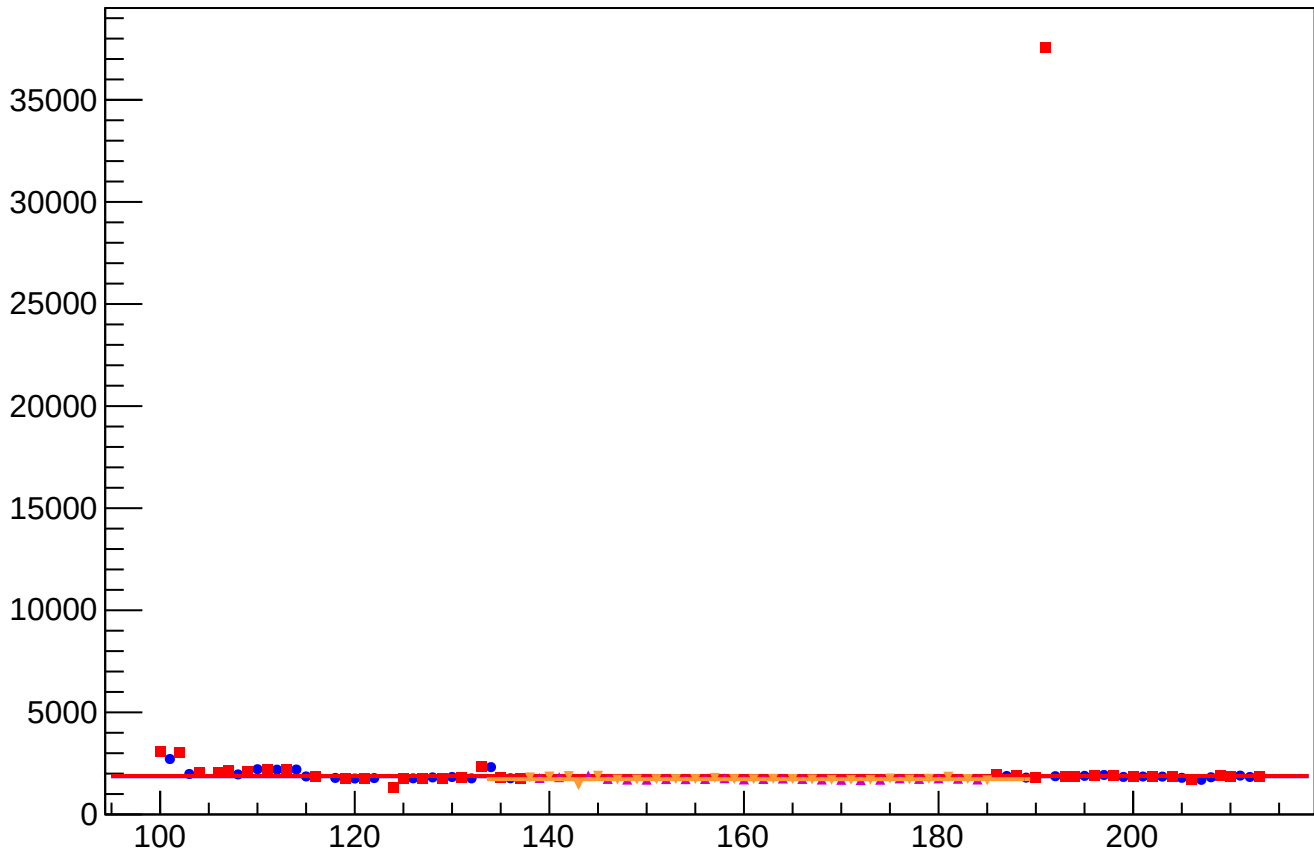
Left In: -2438.062 $\pm$ 407.552 χ^2/NDF : 20.6/22

+ sign 1838.315 $\pm$ 295.846 χ^2/NDF : 44.4/53

All: -31.505 $\pm$ 210.238 χ^2/NDF : 179.7/110

- sign -1939.086 $\pm$ 298.818 χ^2/NDF : 54.6/56

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.216 $\pm$ 0.318 χ^2 /NDF: 252616.0/28

Left Out: 1727.236 $\pm$ 0.278 χ^2 /NDF: 110269.9/24

Right Out: 1884.322 $\pm$ 0.311 χ^2 /NDF: 521006.4/33

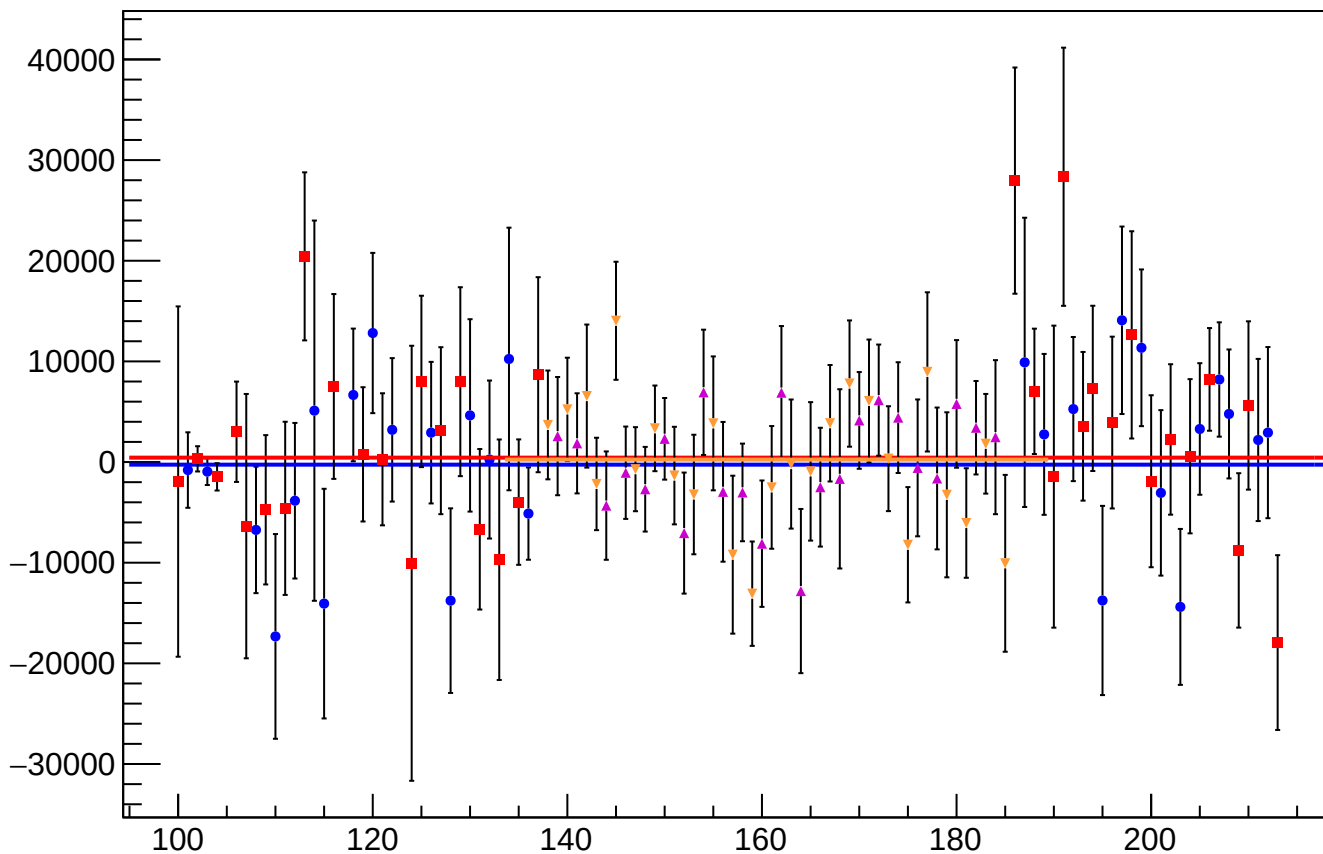
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1789.183 $\pm$ 0.209 χ^2 /NDF: 477591.1/53

All: 1799.117 $\pm$ 0.149 χ^2 /NDF: 1138633.3/11

- sign 1809.248 $\pm$ 0.211 χ^2 /NDF: 656487.3/56

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -258.839 ± 958.562 χ^2/NDF : 29.1/28

Left Out: 241.128 ± 1140.962 χ^2/NDF : 26.7/24

Right Out: 437.456 ± 775.167 χ^2/NDF : 37.3/33

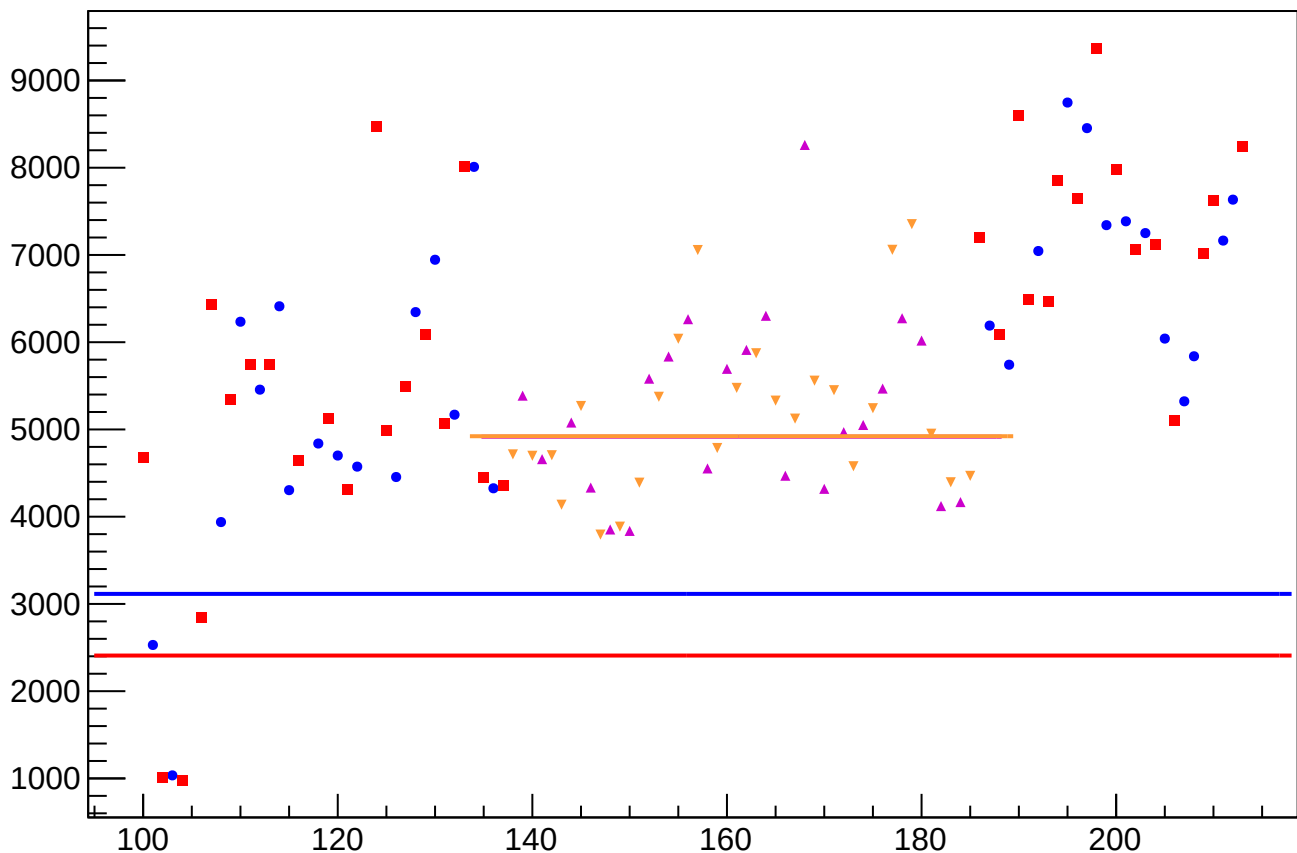
Left In: 306.109 ± 1171.021 χ^2/NDF : 14.5/22

+ sign -51.965 ± 733.927 χ^2/NDF : 55.9/53

All: 201.125 ± 485.074 χ^2/NDF : 107.9/110

- sign 397.437 ± 646.379 χ^2/NDF : 51.8/56

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3115.105 $\pm$ 0.678 χ^2 /NDF: 13046360.2/28

Left Out: 4922.388 $\pm$ 0.807 χ^2 /NDF:1050409.4/24

Right Out: 2408.440 $\pm$ 0.548 χ^2 /NDF: 18494058.9/33

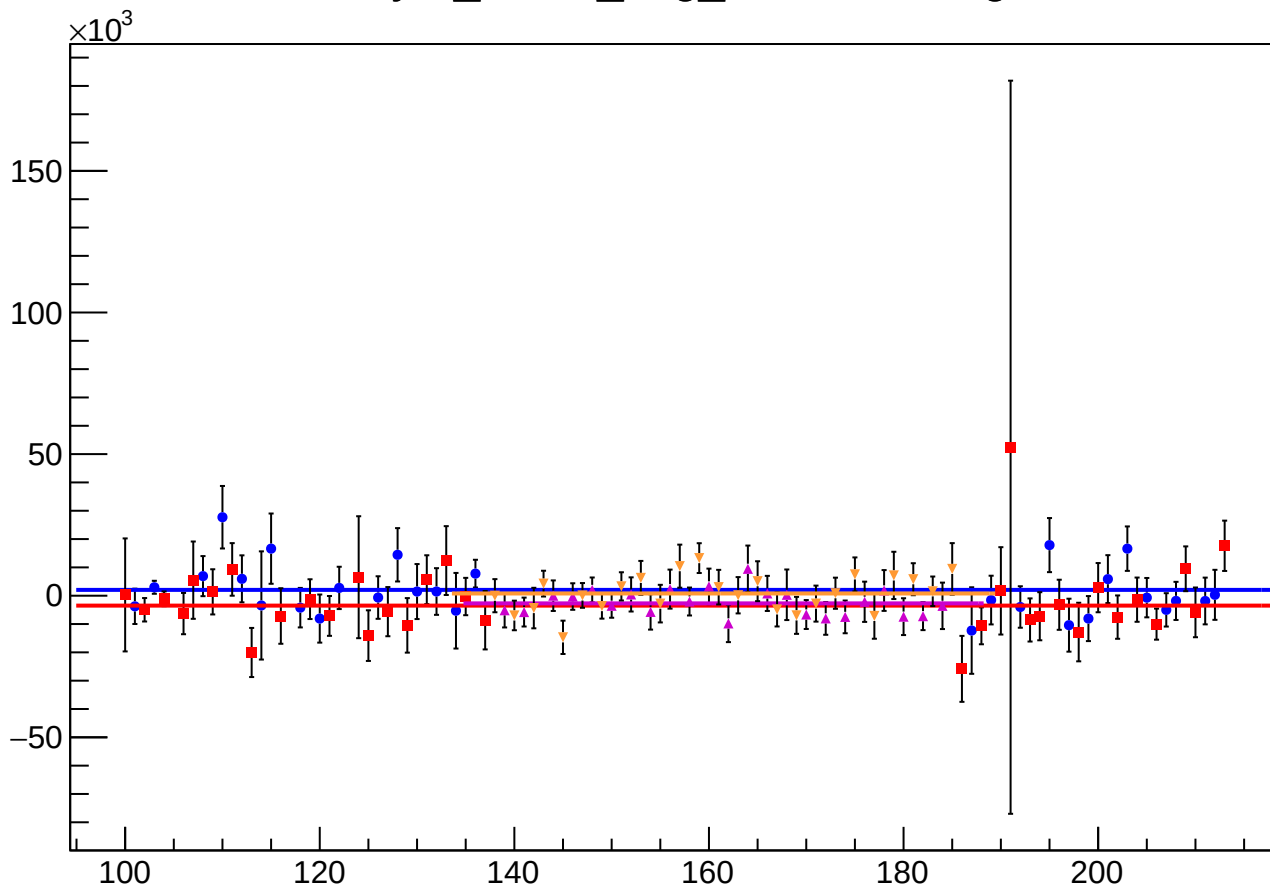
Left In: 4916.972 $\pm$ 0.828 χ^2 /NDF:1161645.9/22

+ sign 3862.912 $\pm$ 0.519 χ^2 /NDF: 17038512.4/53

All: 3474.227 $\pm$ 0.343 χ^2 /NDF: 44071778.3/100

- sign 3172.742 $\pm$ 0.457 χ^2 /NDF: 26037225.7/56

asym_atl1r2_avg_mean vs Slug



Right In: 2057.375 $\pm$ 1263.801 χ^2 /NDF: 28.1/28

Left Out: 787.965 $\pm$ 1171.964 χ^2 /NDF: 27.6/24

Right Out: -3495.614 $\pm$ 1264.778 χ^2 /NDF: 30.9/33

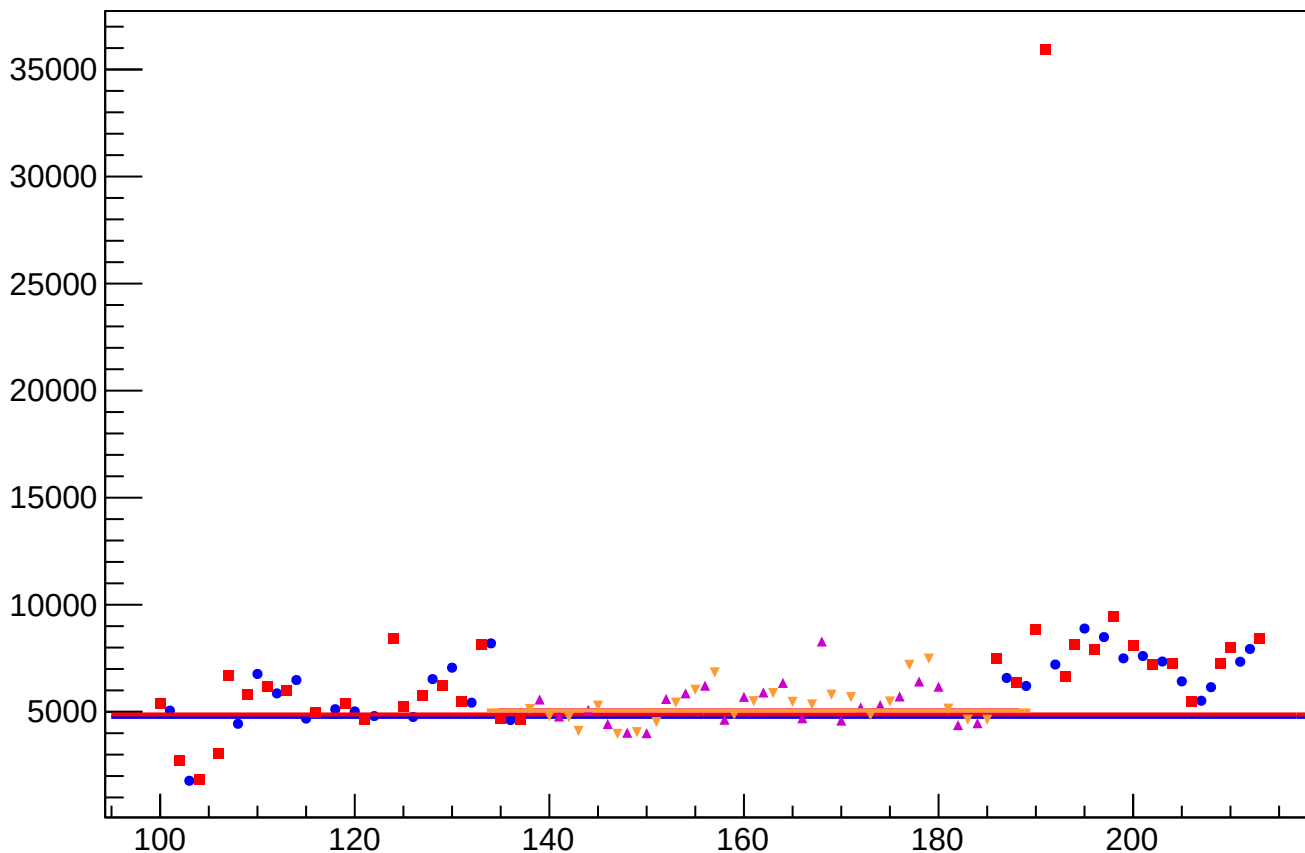
Left In: -2705.532 $\pm$ 1206.281 χ^2 /NDF: 11.9/22

+ sign 1374.877 $\pm$ 859.338 χ^2 /NDF: 56.2/53

All: -818.568 $\pm$ 612.388 χ^2 /NDF: 112.5/110

- sign -3081.880 $\pm$ 872.917 χ^2 /NDF: 43.0/56

asym_atl1r2_avg_rms vs Slug



Right In: 4761.840+/-0.894 χ^2/NDF : 6215004.6/28

Left Out: 5067.898+/-0.829 χ^2/NDF : 954253.8/24

Right Out: 4876.758+/-0.888 χ^2/NDF : 6763754.9/33

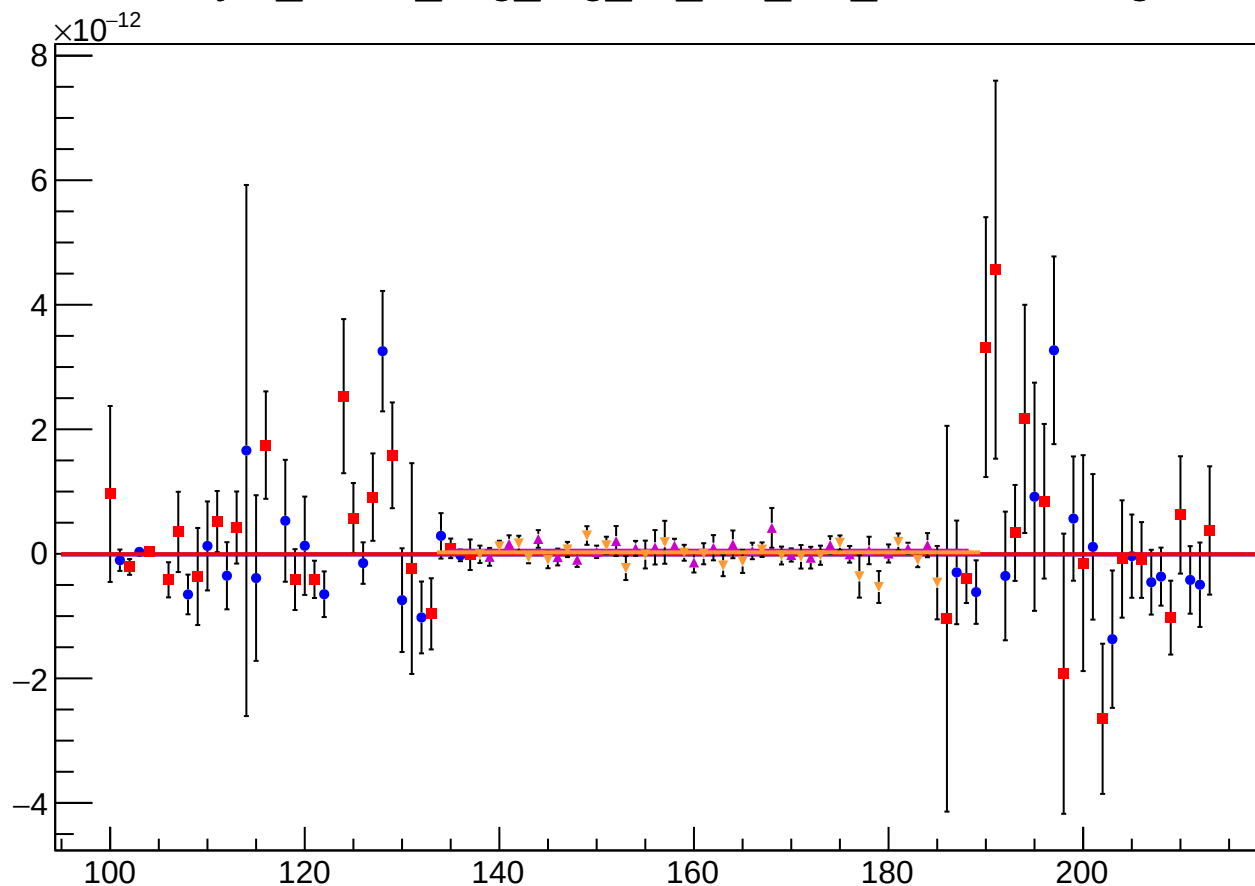
Left In: 5079.715+/-0.853 χ^2/NDF : 1001241.5/22

+ sign 4926.392+/-0.608 χ^2/NDF : 7232322.1/53

All: 4954.027+/-0.432 χ^2/NDF : 15028665.0/100

- sign 4982.361+/-0.615 χ^2/NDF : 7792153.9/56

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.4/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 45.3/33

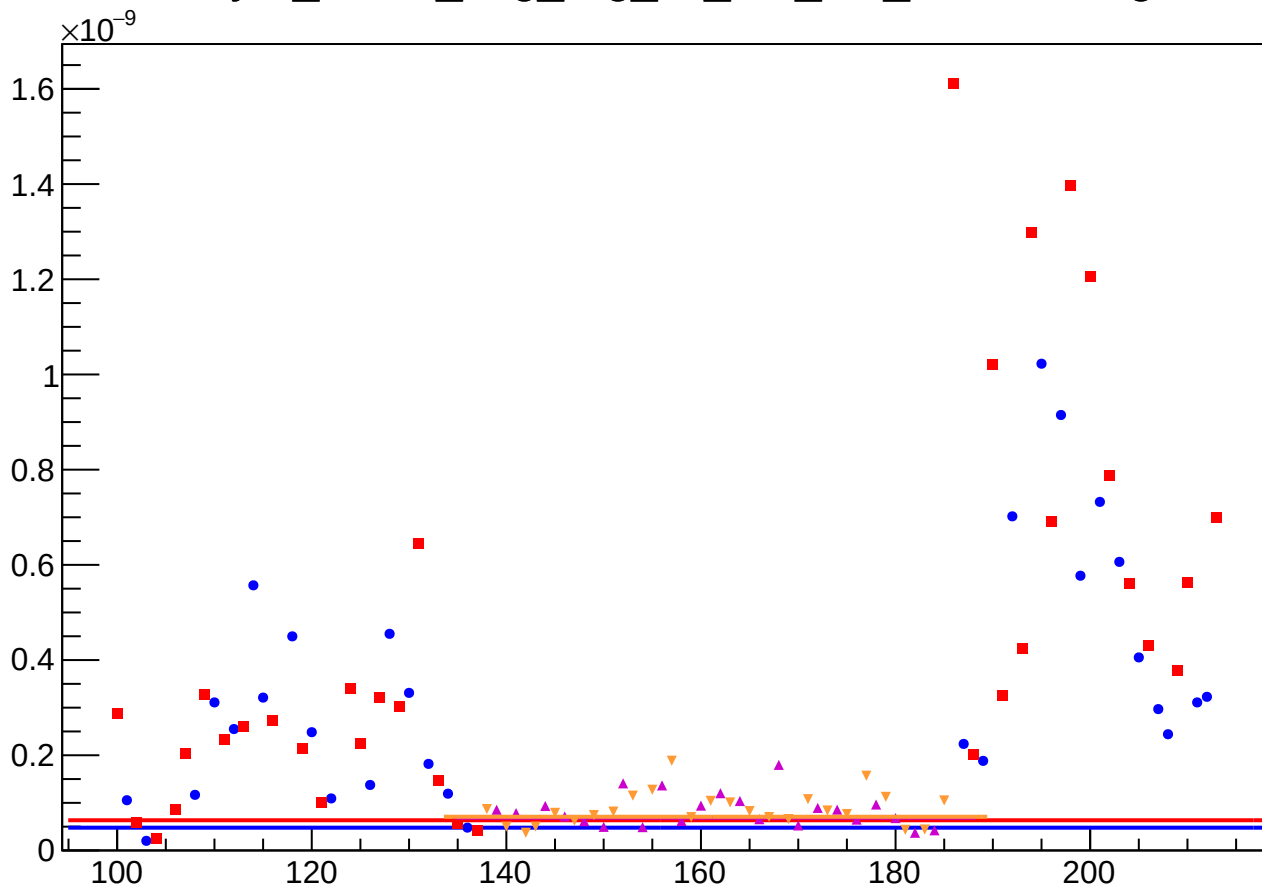
Left In: 0.000 ± 0.000 χ^2/NDF : 11.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 60.5/53

All: 0.000 ± 0.000 χ^2/NDF : 118.5/110

- sign 0.000 ± 0.000 χ^2/NDF : 57.5/56

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9514007.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1489228.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11616009.1/33

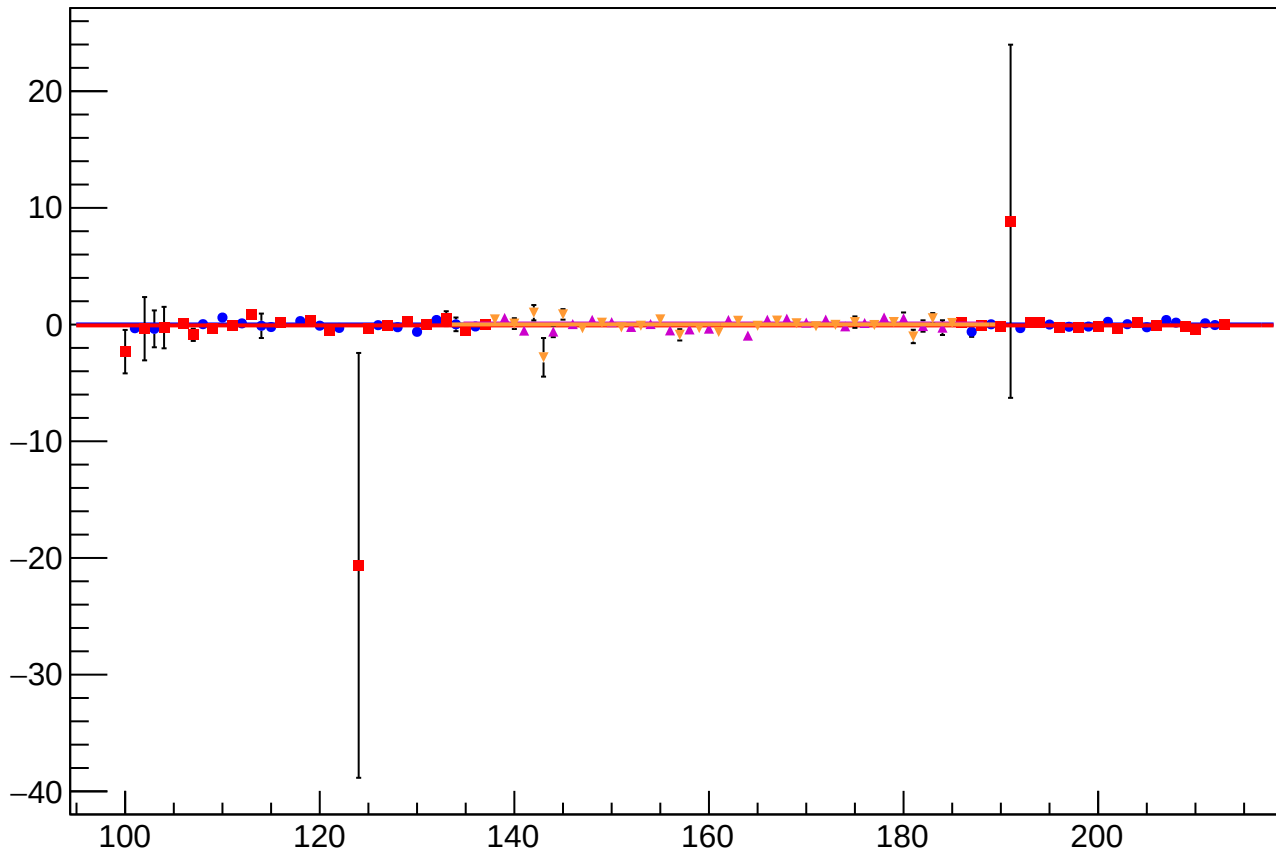
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1432116.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 11503958.1/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 24626957.6/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13069116.6/56

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.050 χ^2/NDF : 24.9/28

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.071 ± 0.046 χ^2/NDF : 32.0/33

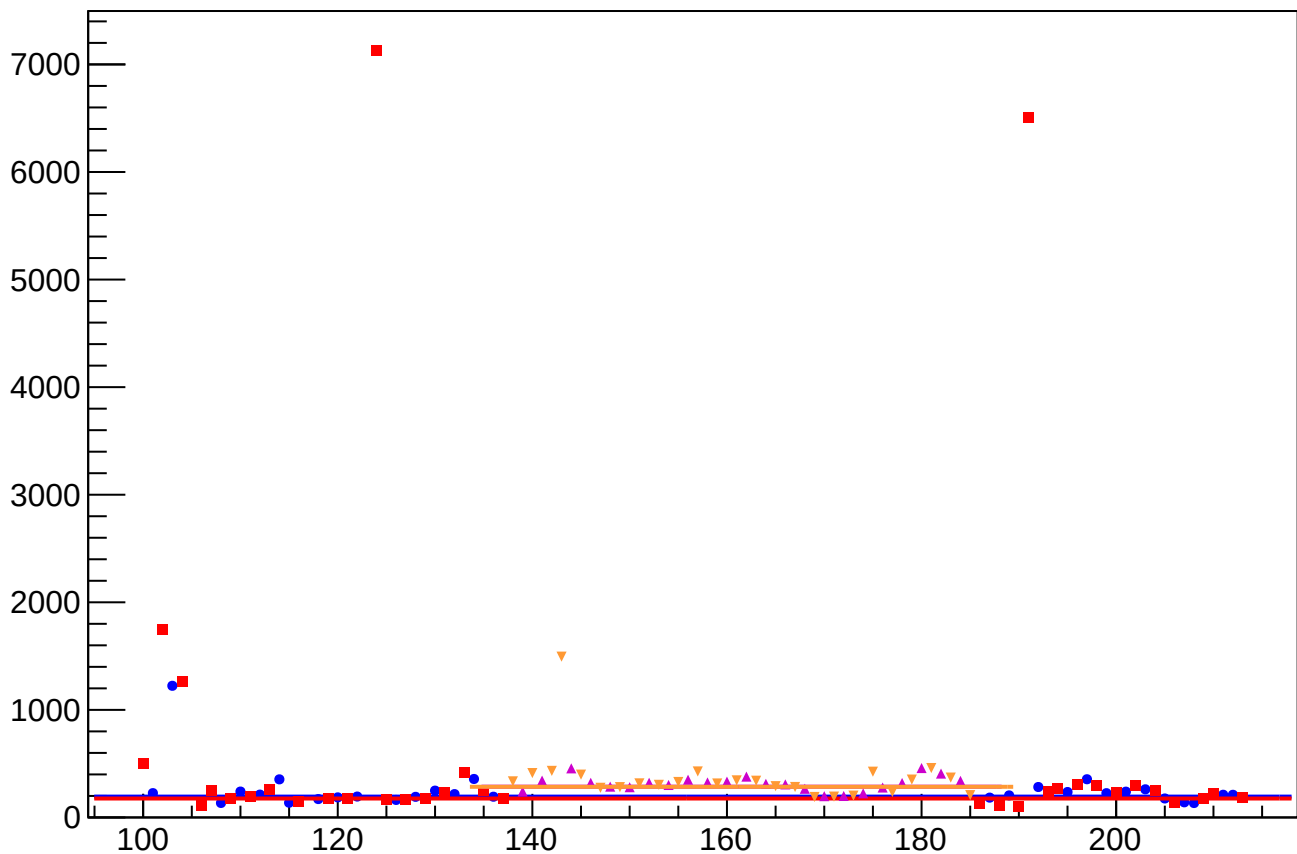
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.013 ± 0.041 χ^2/NDF : 53.2/53

All: -0.006 ± 0.028 χ^2/NDF : 120.1/110

- sign -0.023 ± 0.038 χ^2/NDF : 66.5/56

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.815 $\pm$ 0.036 χ^2 /NDF: 2722273.6/28

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 176.050 $\pm$ 0.032 χ^2 /NDF: 5440178.4/33

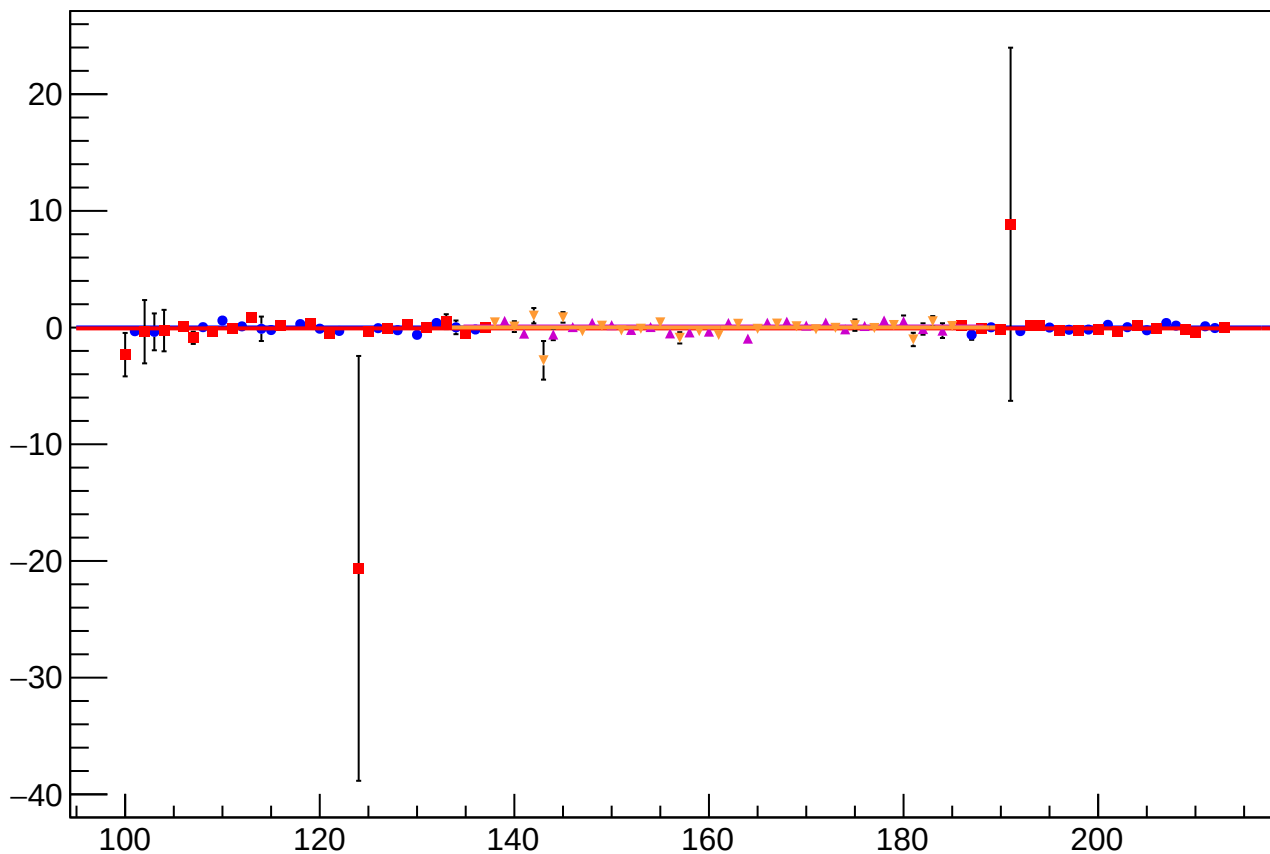
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 224.913 $\pm$ 0.029 χ^2 /NDF: 8379377.1/53

All: 216.371 $\pm$ 0.020 χ^2 /NDF: 19144921.9/11

- sign 208.776 $\pm$ 0.027 χ^2 /NDF: 10599654.8/56

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.050 χ^2/NDF : 24.9/28

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.071 ± 0.046 χ^2/NDF : 32.0/33

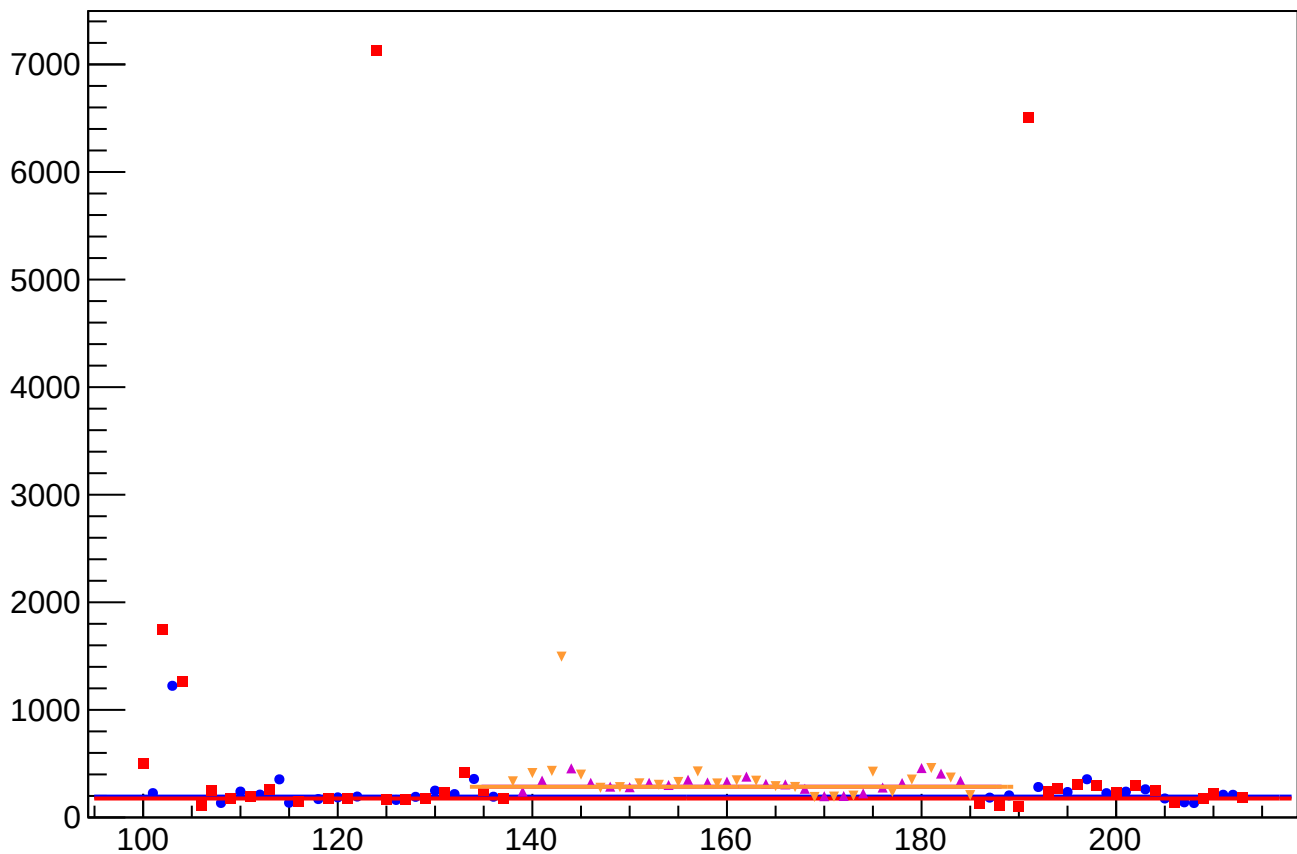
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.013 ± 0.041 χ^2/NDF : 53.2/53

All: -0.006 ± 0.028 χ^2/NDF : 120.1/110

- sign -0.023 ± 0.038 χ^2/NDF : 66.5/56

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.815+/-0.036 χ^2/NDF : 2722273.6/28

Left Out: 285.036+/-0.049 χ^2/NDF : 3407001.6/24

Right Out: 176.050+/-0.032 χ^2/NDF : 5440178.4/33

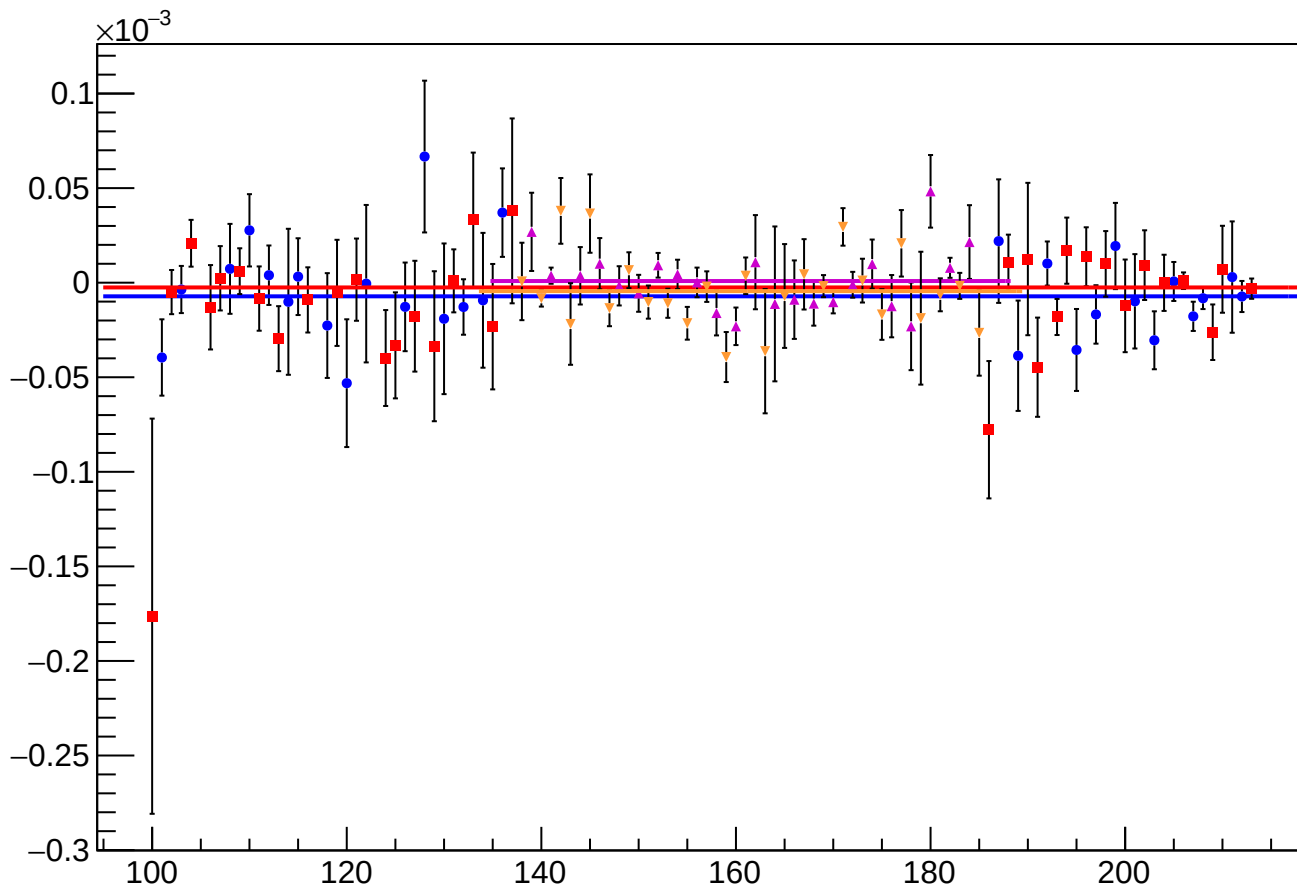
Left In: 285.869+/-0.050 χ^2/NDF : 1744706.1/22

+ sign 224.913+/-0.029 χ^2/NDF : 8379377.1/53

All: 216.371+/-0.020 χ^2/NDF : 19144921.9/11

- sign 208.776+/-0.027 χ^2/NDF : 10599654.8/56

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.7/33

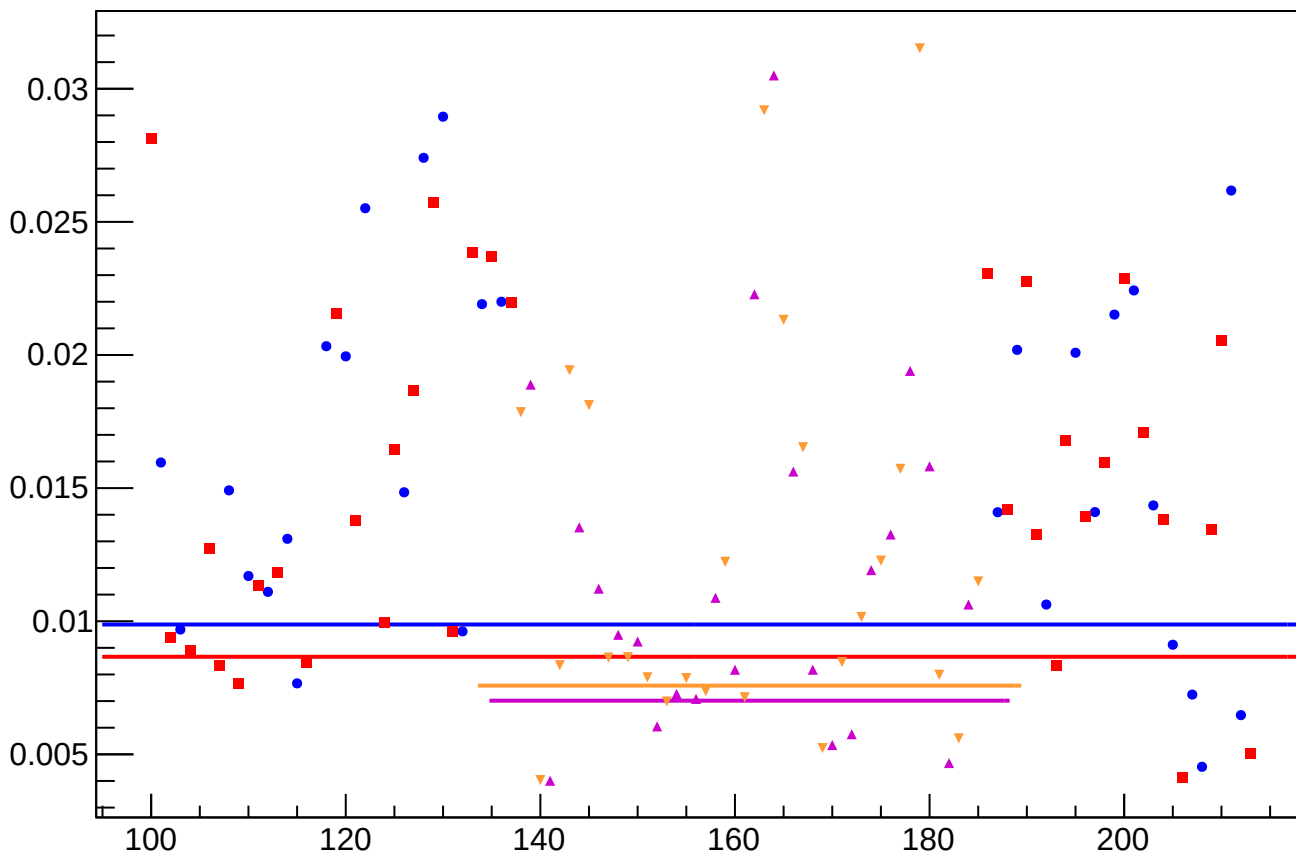
Left In: 0.000 ± 0.000 χ^2/NDF : 29.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.7/53

All: -0.000 ± 0.000 χ^2/NDF : 142.7/110

- sign -0.000 ± 0.000 χ^2/NDF : 64.0/56

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 7806082.0/28

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 7351454.7/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 9546927.6/33

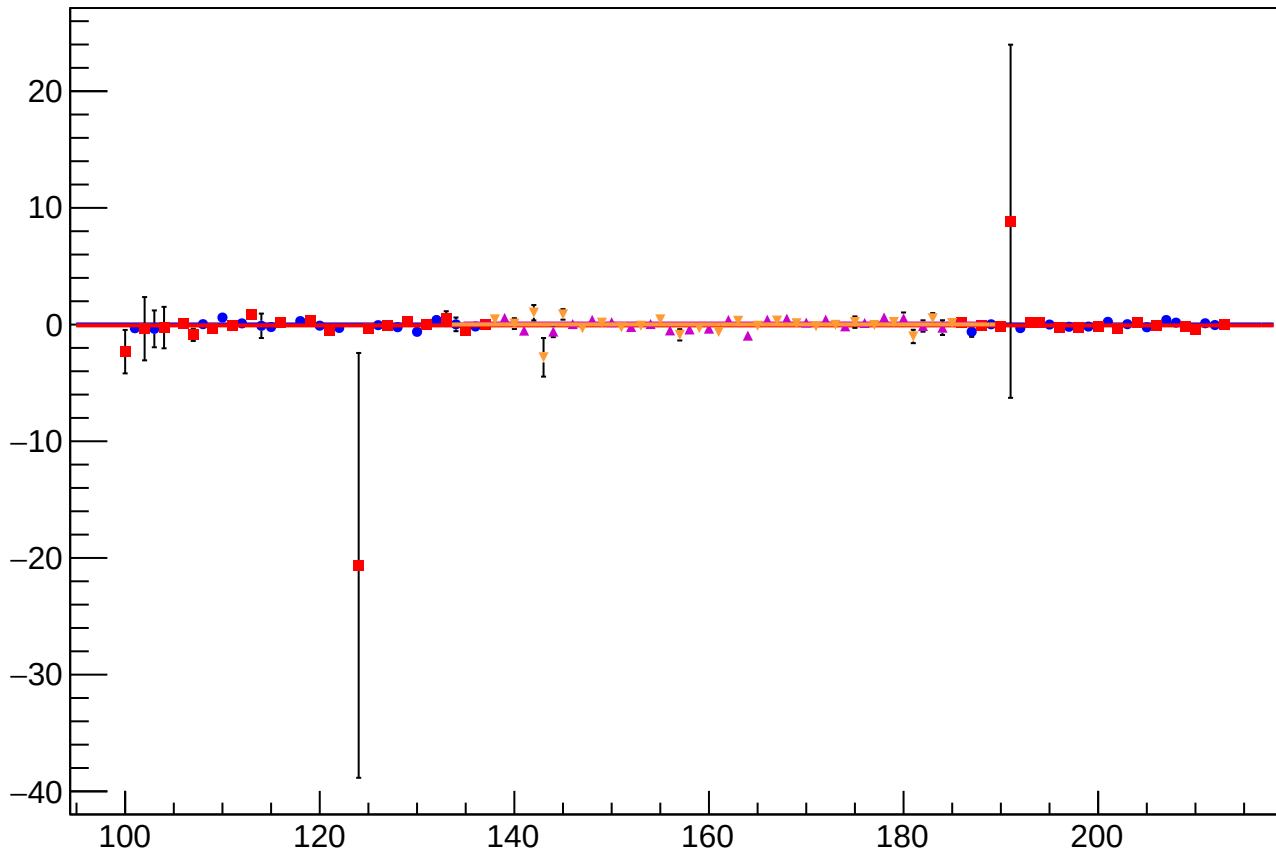
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6740679.5/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 16066917.7/53

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 33142328.8/110

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 16882212.2/56

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.050 χ^2/NDF : 24.9/28

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.071 ± 0.046 χ^2/NDF : 32.0/33

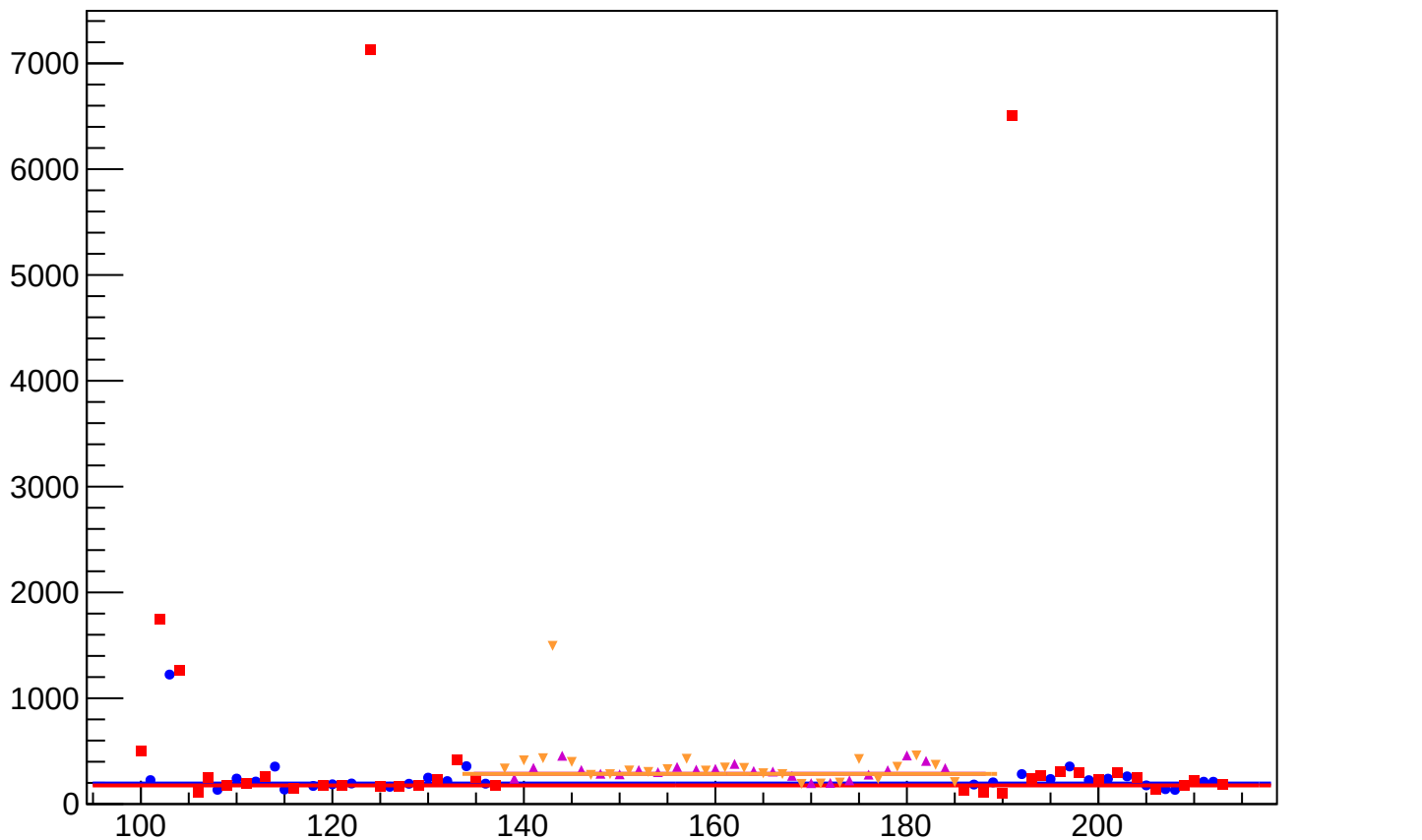
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign 0.013 ± 0.041 χ^2/NDF : 53.2/53

All: -0.006 ± 0.028 χ^2/NDF : 120.1/110

- sign -0.023 ± 0.038 χ^2/NDF : 66.5/56

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.814 $\pm$ 0.036 χ^2 /NDF: 2722288.1/28

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 176.048 $\pm$ 0.032 χ^2 /NDF: 5440322.4/33

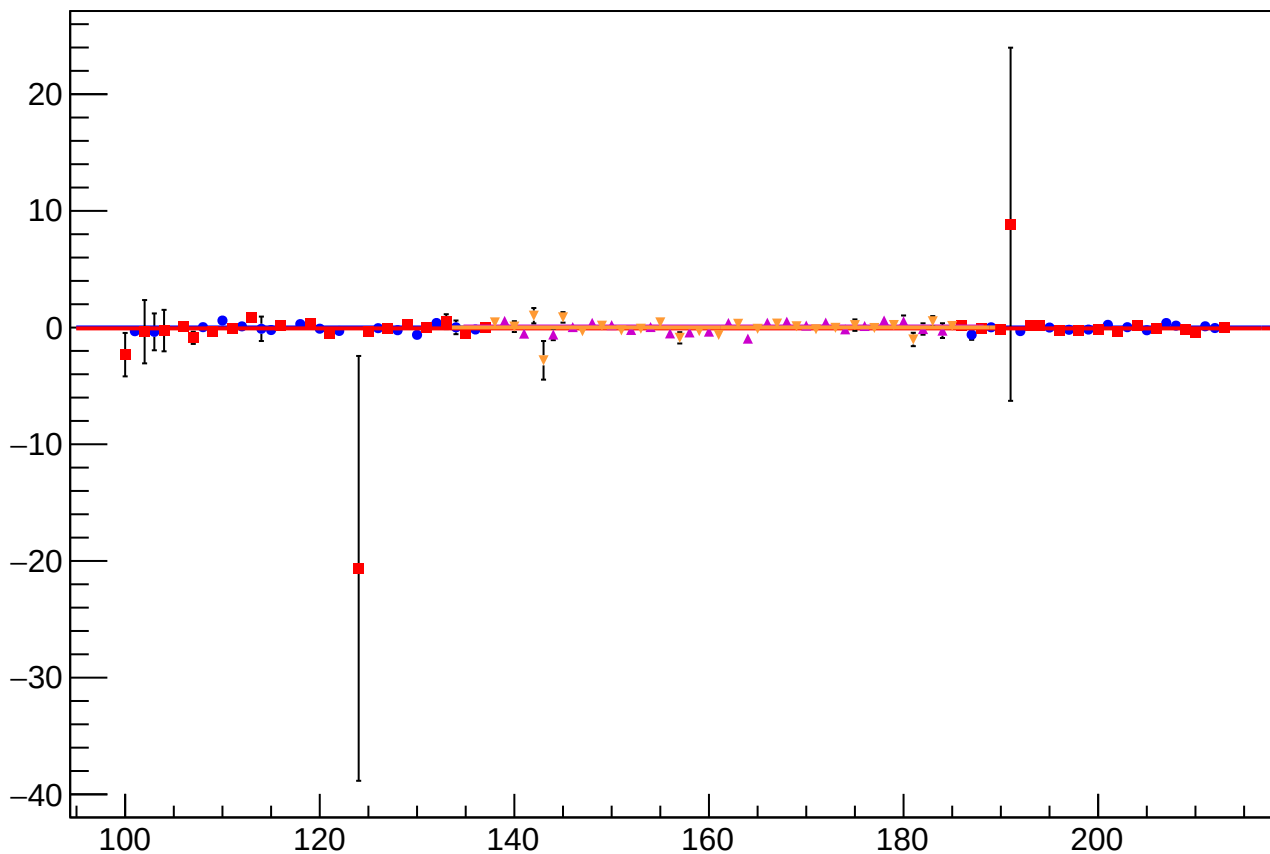
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 224.912 $\pm$ 0.029 χ^2 /NDF: 8379586.2/53

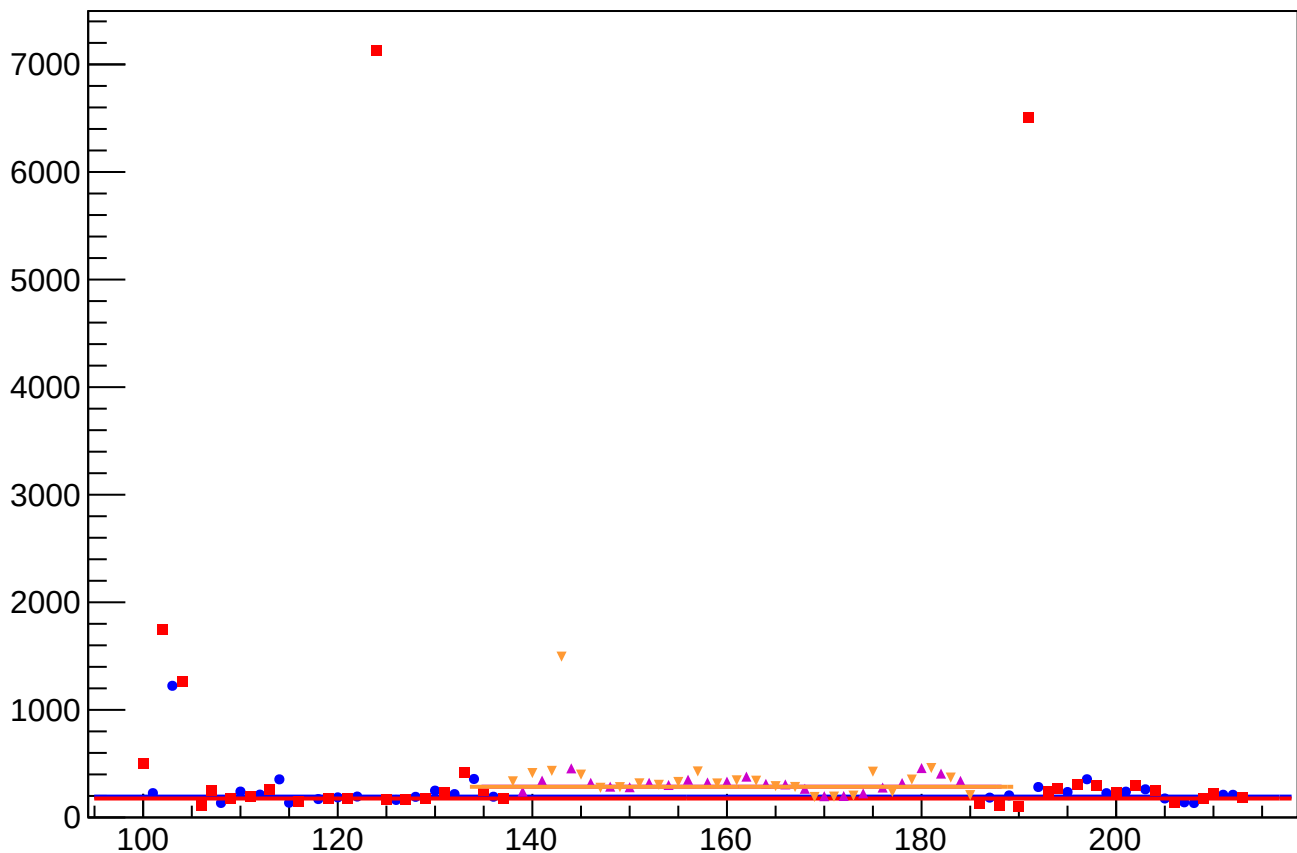
All: 216.370 $\pm$ 0.020 χ^2 /NDF: 19145631.4/11

- sign 208.774 $\pm$ 0.027 χ^2 /NDF: 10600122.1/56

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.814 $\pm$ 0.036 χ^2 /NDF: 2722288.1/28

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 176.048 $\pm$ 0.032 χ^2 /NDF: 5440322.4/33

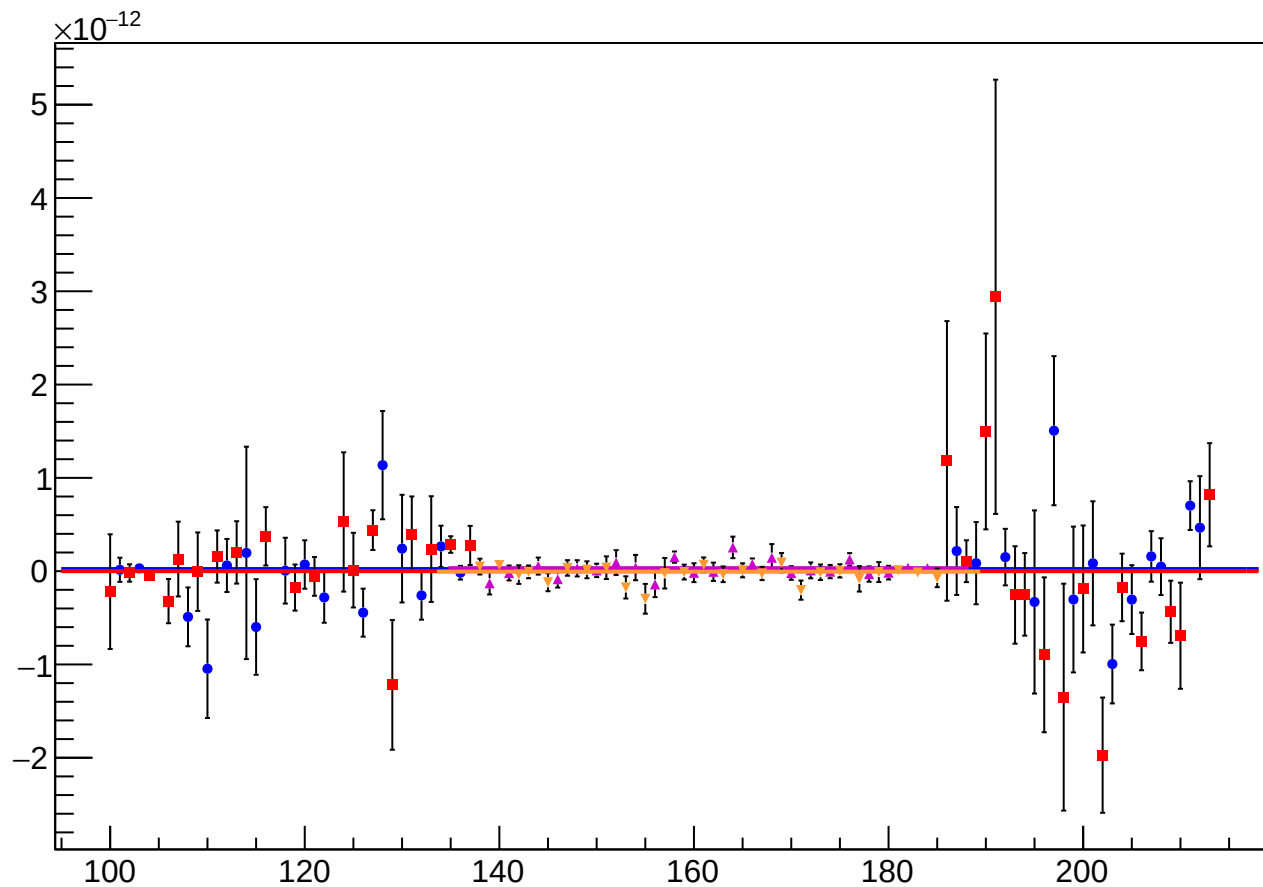
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 224.912 $\pm$ 0.029 χ^2 /NDF: 8379586.2/53

All: 216.370 $\pm$ 0.020 χ^2 /NDF: 19145631.4/11

- sign 208.774 $\pm$ 0.027 χ^2 /NDF: 10600122.1/56

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 37.8/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 56.7/33

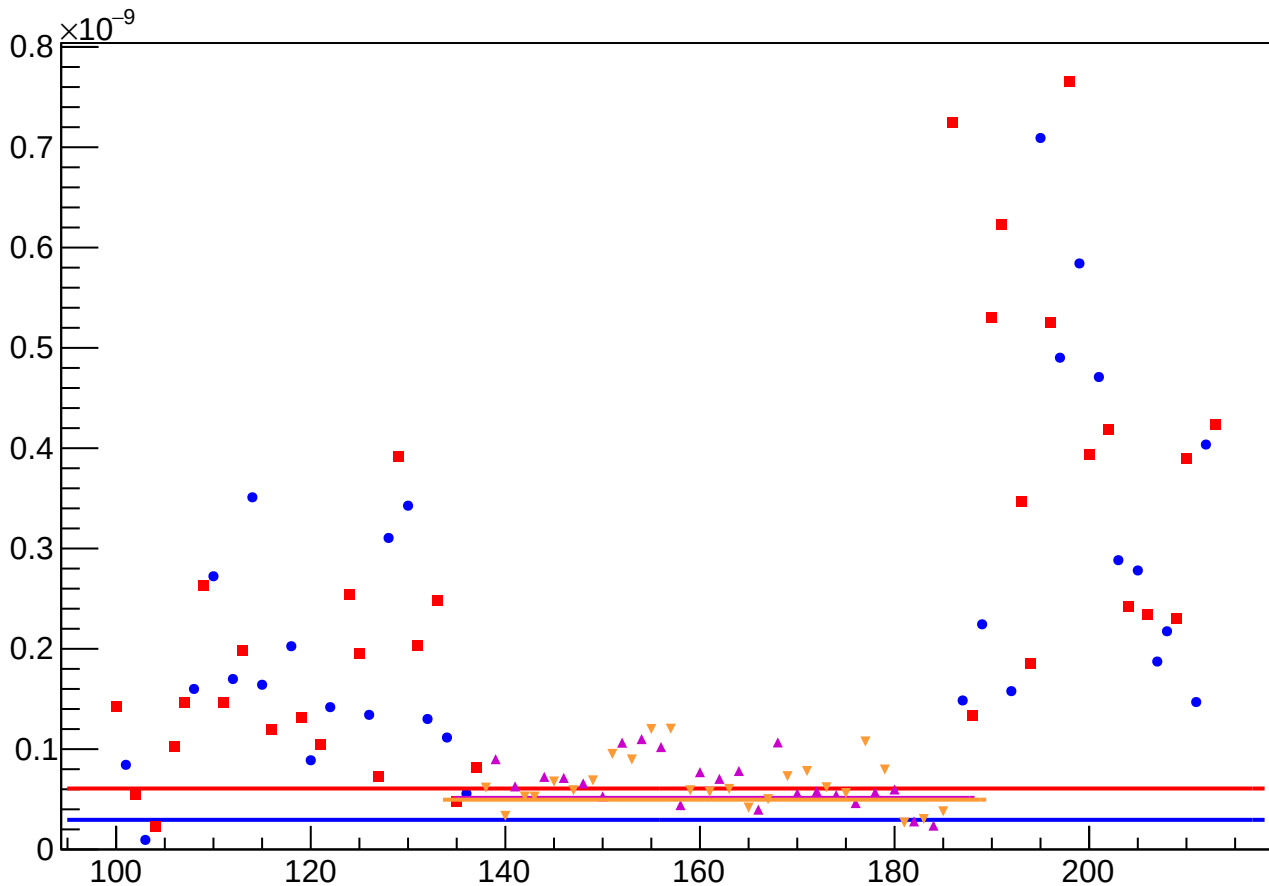
Left In: 0.000 ± 0.000 χ^2/NDF : 18.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 55.6/53

All: 0.000 ± 0.000 χ^2/NDF : 133.2/110

- sign 0.000 ± 0.000 χ^2/NDF : 76.3/56

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15459914.2/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3882649.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12108348.8/33

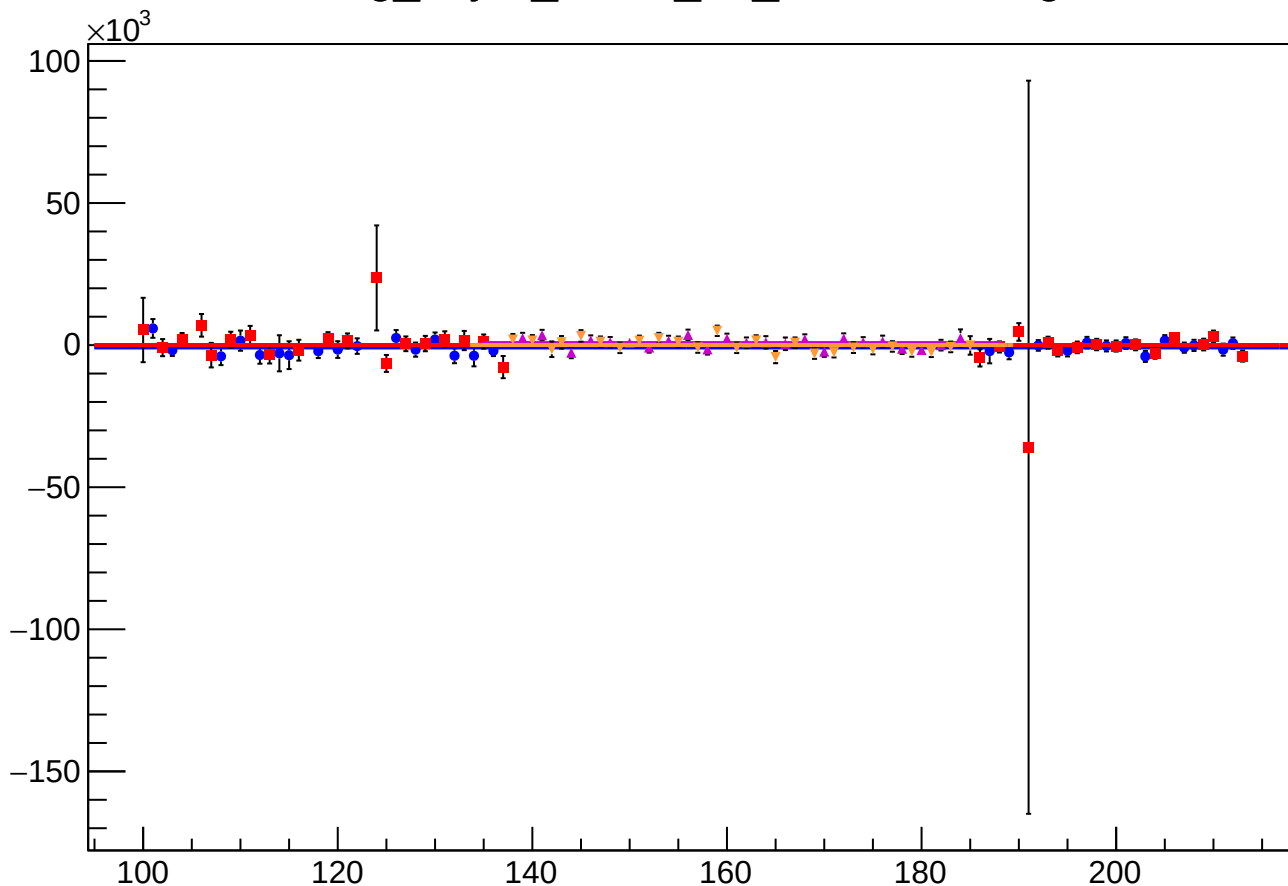
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3659712.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20611294.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37231668.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15918238.4/56

reg_asym_atl1r2_dd_mean vs Slug



Right In: -819.219 ± 440.035 χ^2/NDF : 20.0/28

Left Out: 23.114 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 51.131 ± 432.121 χ^2/NDF : 37.8/33

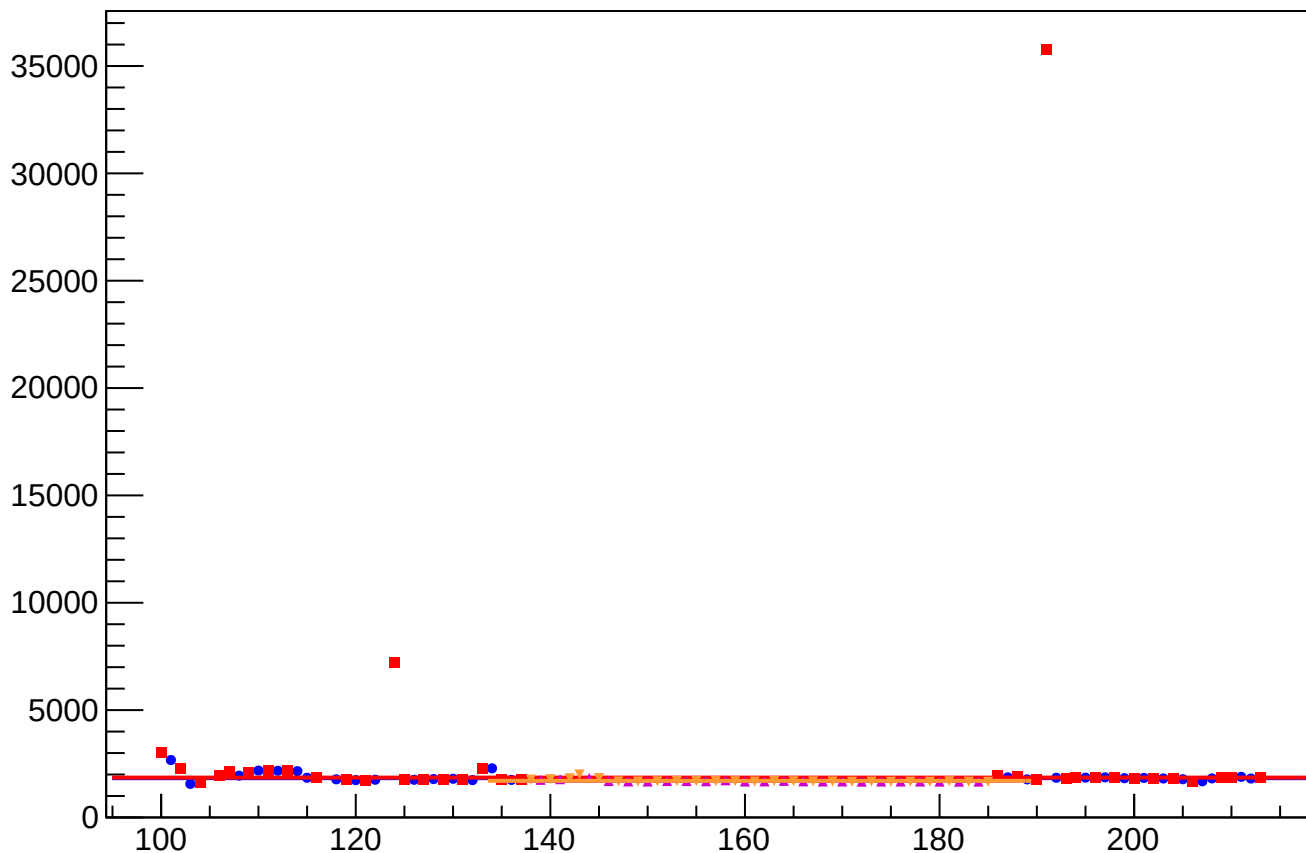
Left In: 719.504 ± 396.449 χ^2/NDF : 19.1/22

+ sign -345.041 ± 290.911 χ^2/NDF : 51.5/53

All: 32.913 ± 206.135 χ^2/NDF : 113.1/110

- sign 414.039 ± 292.130 χ^2/NDF : 58.2/56

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1830.878+/-0.311 χ^2/NDF : 280780.0/28

Left Out: 1705.634+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1856.194+/-0.305 χ^2/NDF : 535903.8/33

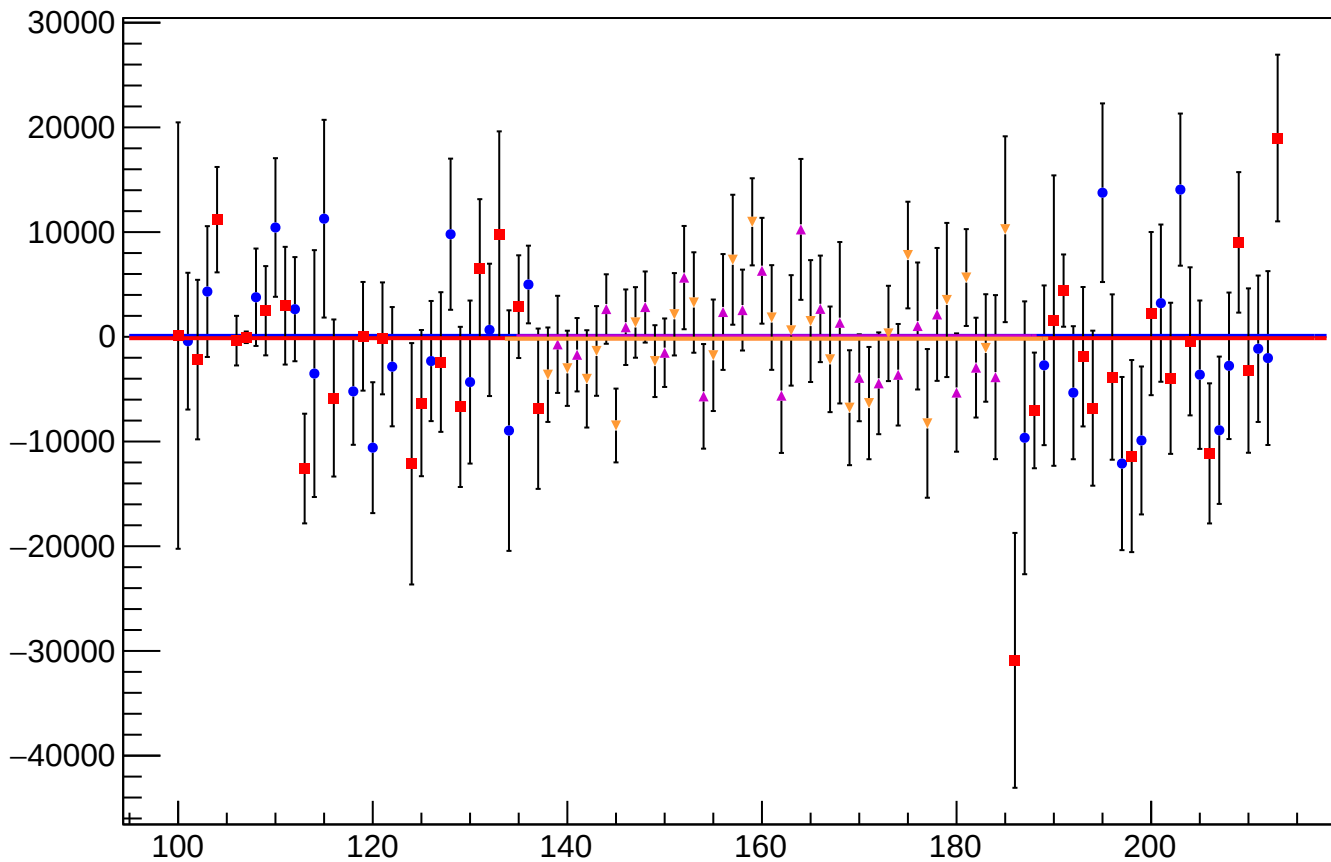
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1760.374+/-0.206 χ^2/NDF : 431915.0/53

All: 1765.221+/-0.146 χ^2/NDF : 1136652.6/113

- sign 1770.104+/-0.206 χ^2/NDF : 703623.3/56

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 90.123+/-1220.190 χ^2/NDF : 28.5/28

Left Out: -175.777+/-935.141 χ^2/NDF : 27.9/24

Right Out: -131.630+/-485.637 χ^2/NDF : 41.1/33

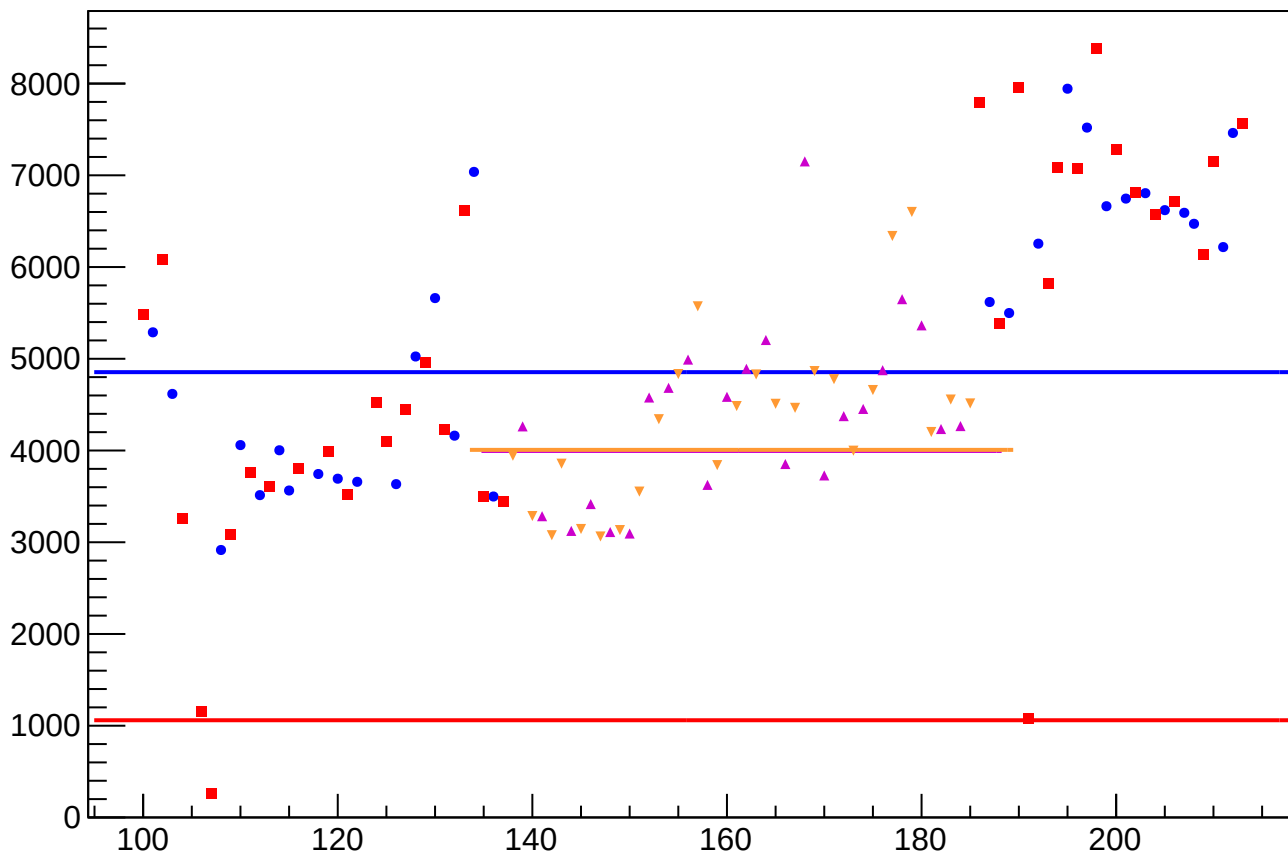
Left In: 56.448+/-956.389 χ^2/NDF : 14.3/22

+ sign -77.389+/-742.233 χ^2/NDF : 56.4/53

All: -89.093+/-374.016 χ^2/NDF : 111.9/110

- sign -93.076+/-433.011 χ^2/NDF : 55.4/56

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4854.267 ± 0.863 $\chi^2/\text{NDF}: 2926913.0/28$

Left Out: 4006.998 ± 0.661 $\chi^2/\text{NDF}: 1503677.6/24$

Right Out: 1059.620 ± 0.343 $\chi^2/\text{NDF}: 27597217.5/33$

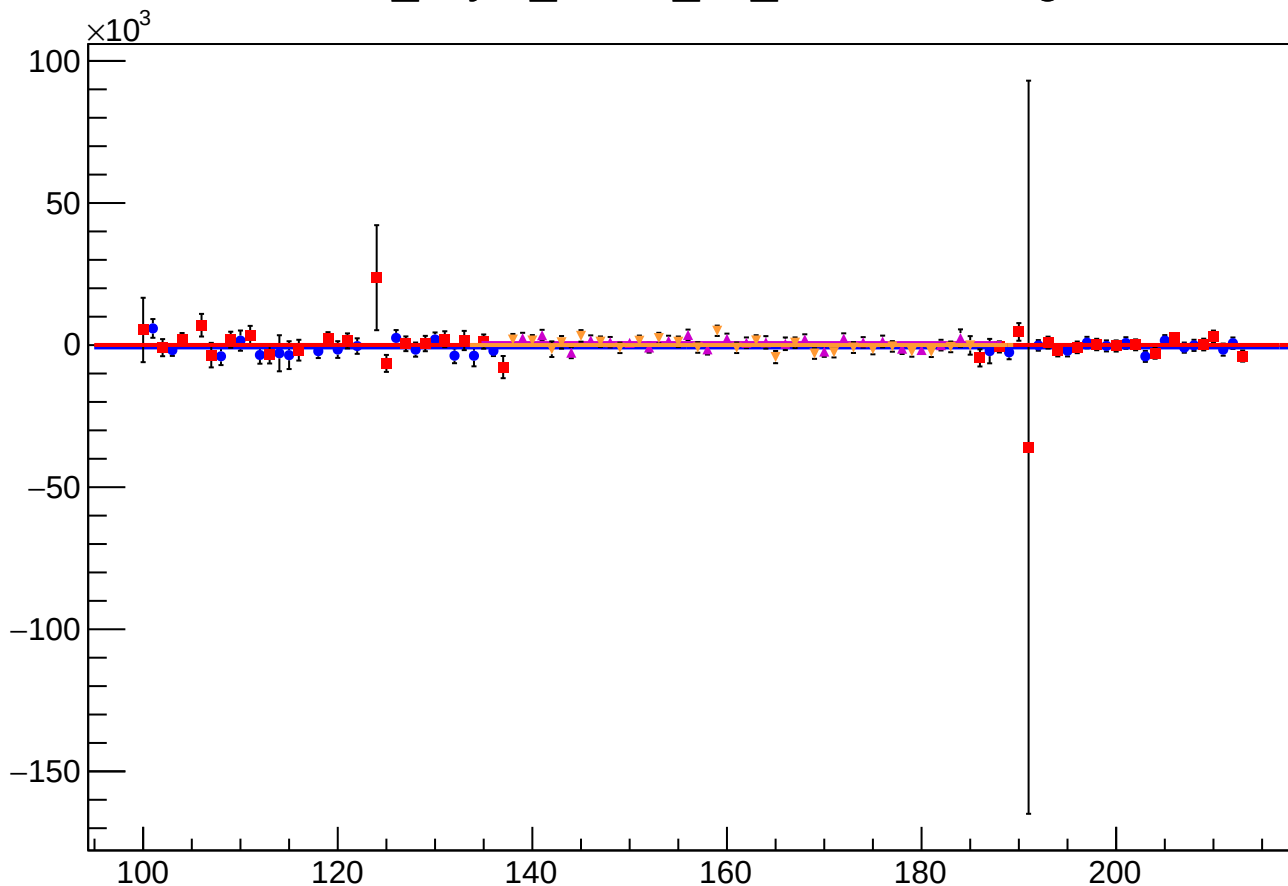
Left In: 3994.974 ± 0.676 $\chi^2/\text{NDF}: 1538115.4/22$

+ sign 4320.505 ± 0.525 $\chi^2/\text{NDF}: 5038087.5/53$

All: 2336.555 ± 0.264 $\chi^2/\text{NDF}: 68304042.5/100$

- sign 1661.332 ± 0.306 $\chi^2/\text{NDF}: 44113407.3/56$

cor_asym_atl1r2_dd_mean vs Slug



Right In: -819.044 ± 440.035 χ^2/NDF : 20.0/28

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 51.287 ± 432.121 χ^2/NDF : 37.8/33

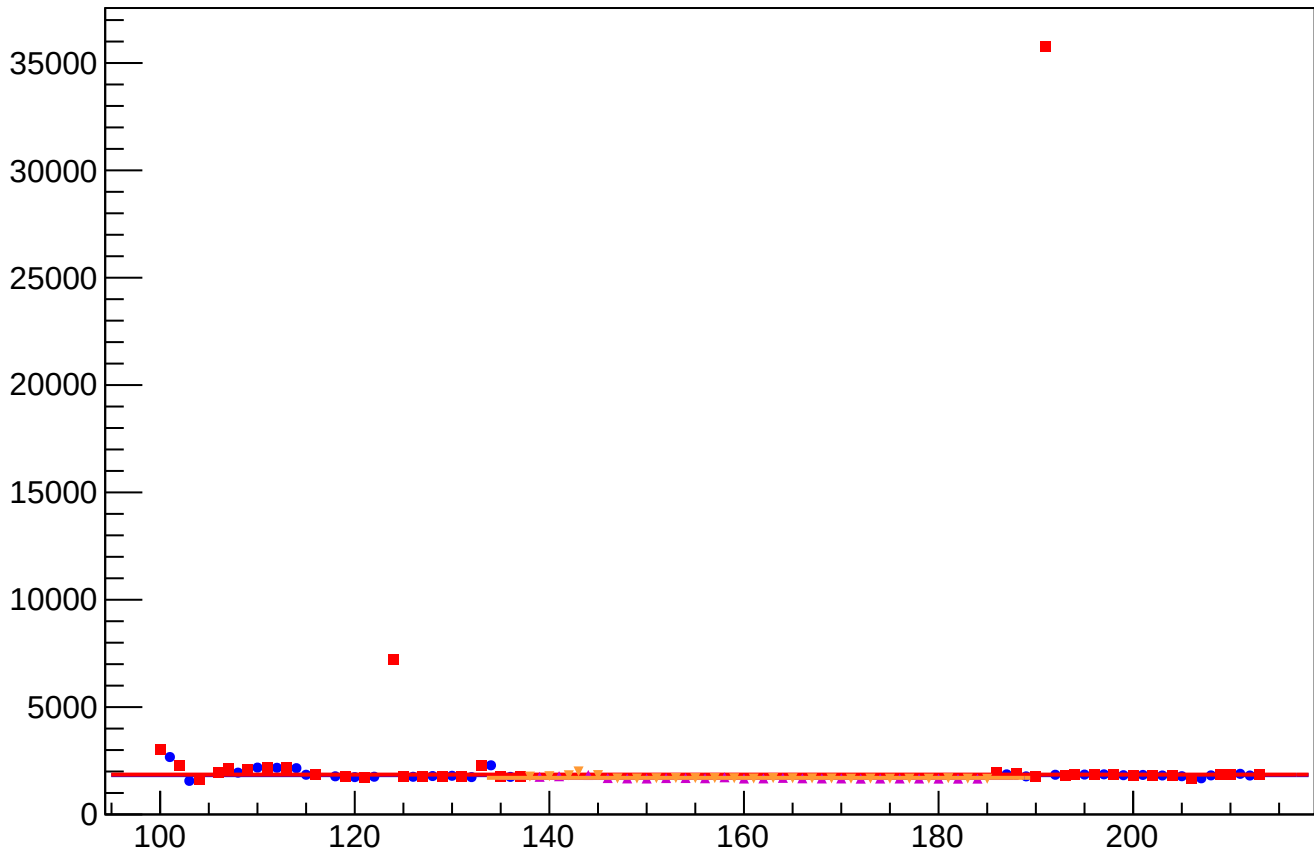
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -344.924 ± 290.911 χ^2/NDF : 51.5/53

All: 32.973 ± 206.135 χ^2/NDF : 113.1/110

- sign 414.044 ± 292.130 χ^2/NDF : 58.2/56

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1830.878+/-0.311 χ^2/NDF : 280779.2/28

Left Out: 1705.635+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1856.361+/-0.305 χ^2/NDF : 536245.2/33

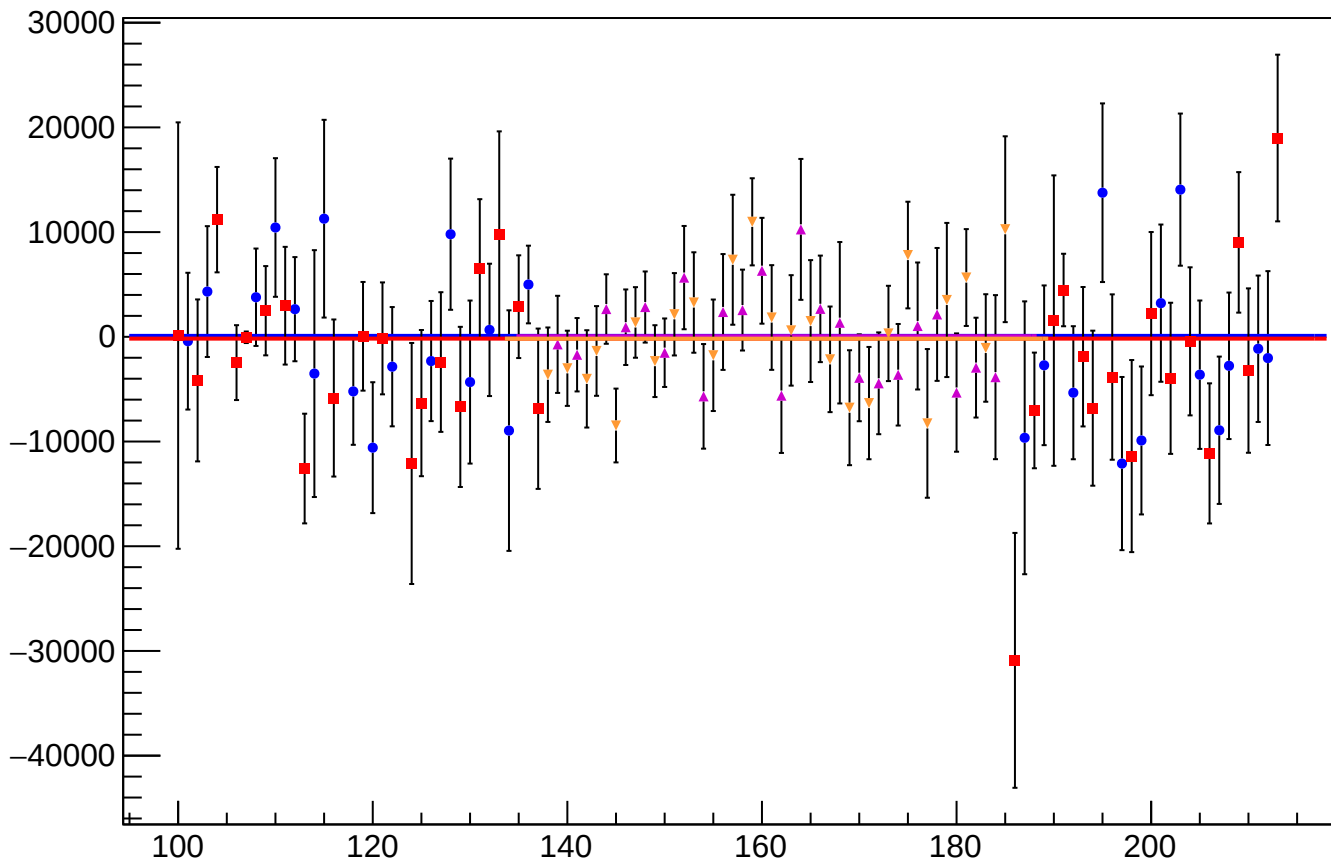
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1760.374+/-0.206 χ^2/NDF : 431914.4/53

All: 1765.255+/-0.146 χ^2/NDF : 1137303.4/113

- sign 1770.173+/-0.206 χ^2/NDF : 704258.8/56

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 90.059 ± 1220.193 χ^2/NDF : 28.5/28

Left Out: -175.755 ± 935.140 χ^2/NDF : 27.9/24

Right Out: -172.277 ± 491.500 χ^2/NDF : 41.8/33

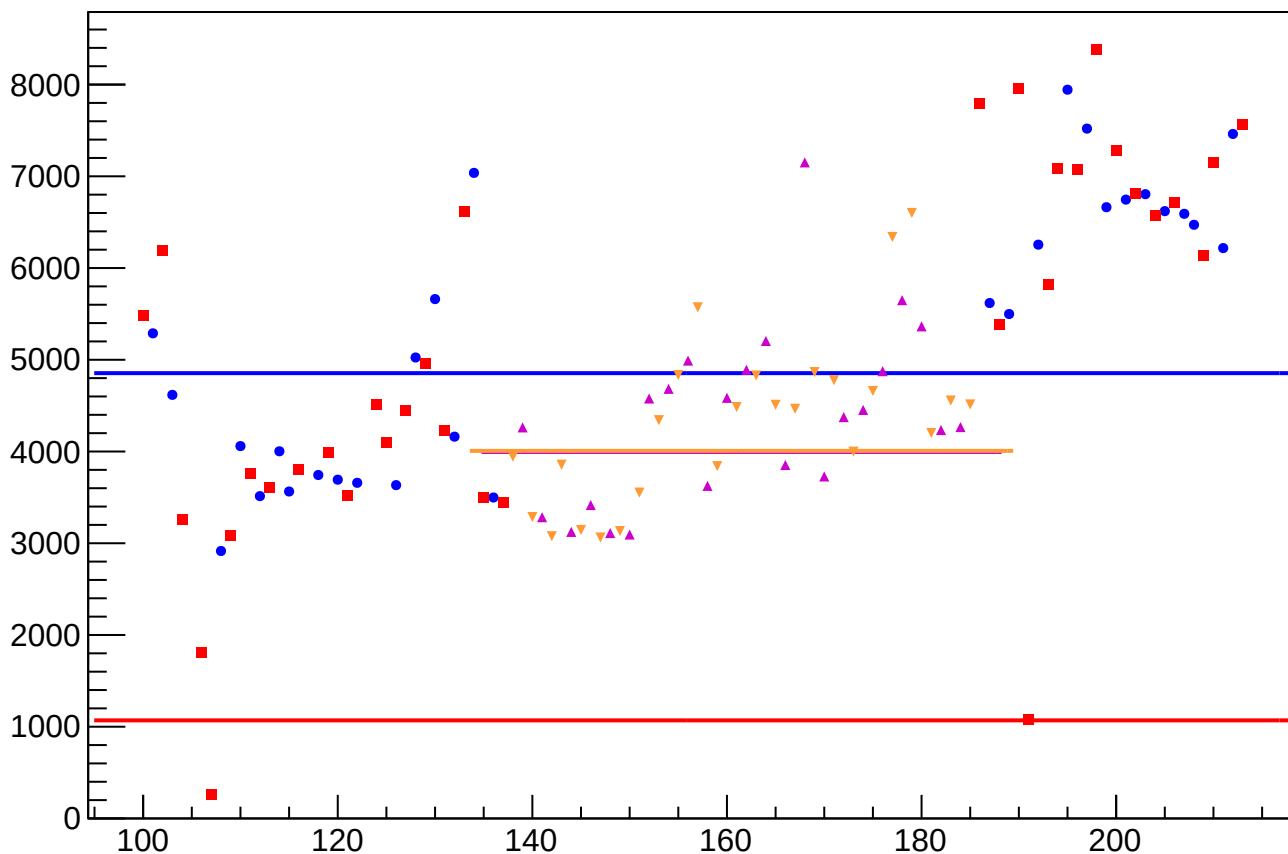
Left In: 56.377 ± 956.388 χ^2/NDF : 14.3/22

+ sign -77.399 ± 742.233 χ^2/NDF : 56.4/53

All: -112.373 ± 376.675 χ^2/NDF : 112.5/110

- sign -124.505 ± 437.151 χ^2/NDF : 56.1/56

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4854.278+/-0.863 χ^2/NDF : 2926915.5/28

Left Out: 4006.990+/-0.661 χ^2/NDF : 1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF : 27693086.1/33

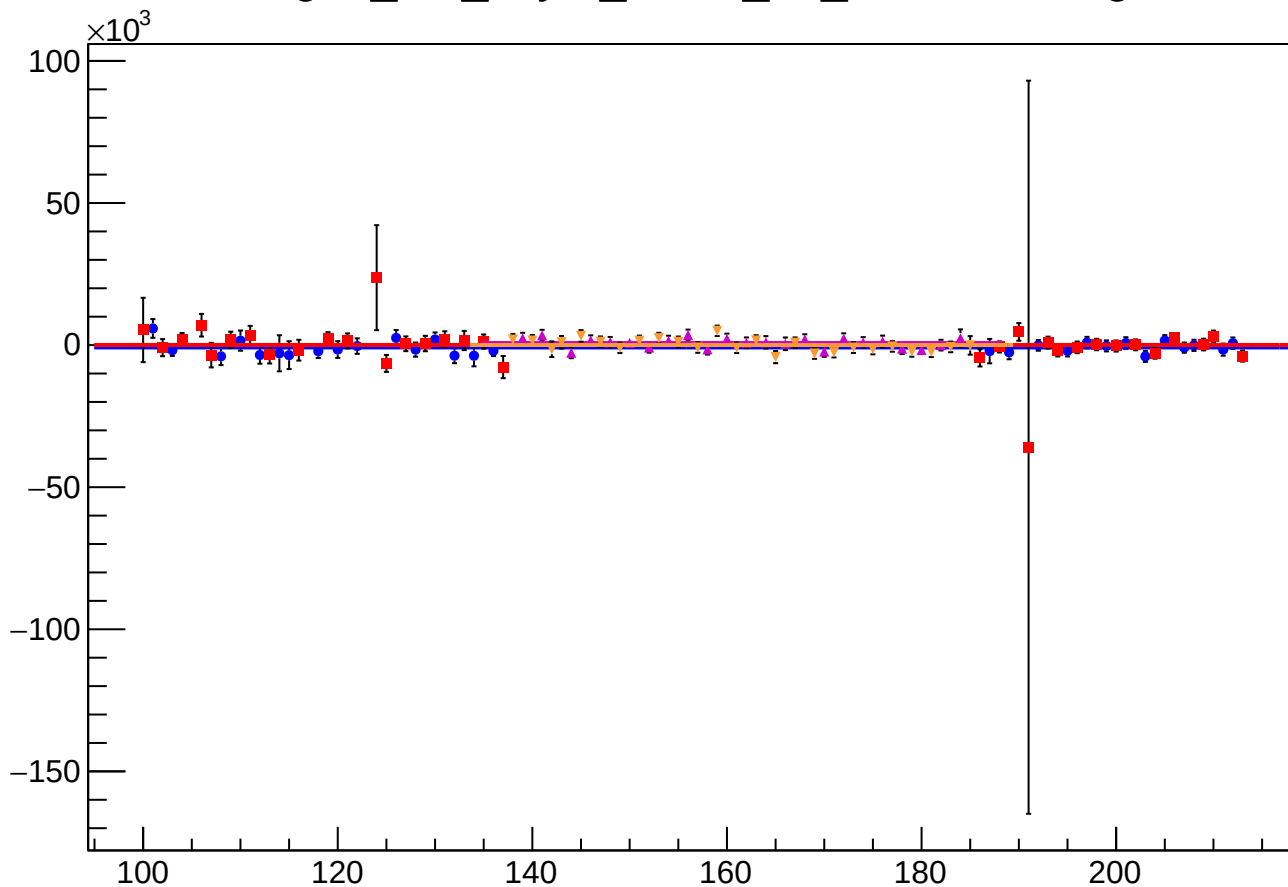
Left In: 3994.972+/-0.676 χ^2/NDF : 1538098.4/22

+ sign 4320.502+/-0.525 χ^2/NDF : 5038135.8/53

All: 2360.534+/-0.266 χ^2/NDF : 67857296.7/100

- sign 1680.654+/-0.309 χ^2/NDF : 44035616.5/56

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -819.044 ± 440.035 χ^2/NDF : 20.0/28

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 51.287 ± 432.121 χ^2/NDF : 37.8/33

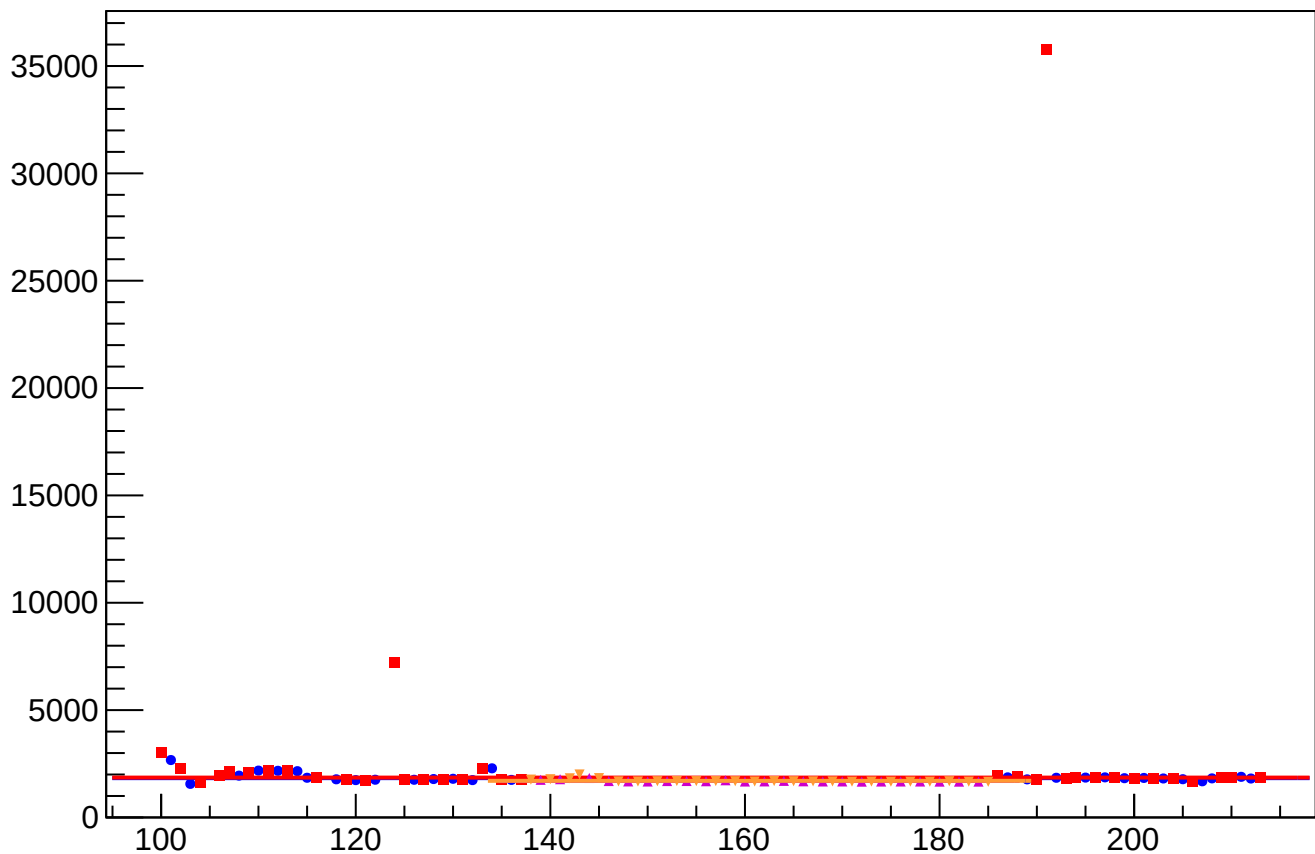
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -344.924 ± 290.911 χ^2/NDF : 51.5/53

All: 32.973 ± 206.135 χ^2/NDF : 113.1/110

- sign 414.044 ± 292.130 χ^2/NDF : 58.2/56

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1830.878 $\pm$ 0.311 χ^2 /NDF: 280779.2/28

Left Out: 1705.635 $\pm$ 0.274 χ^2 /NDF: 59928.6/24

Right Out: 1856.361 $\pm$ 0.305 χ^2 /NDF: 536245.2/33

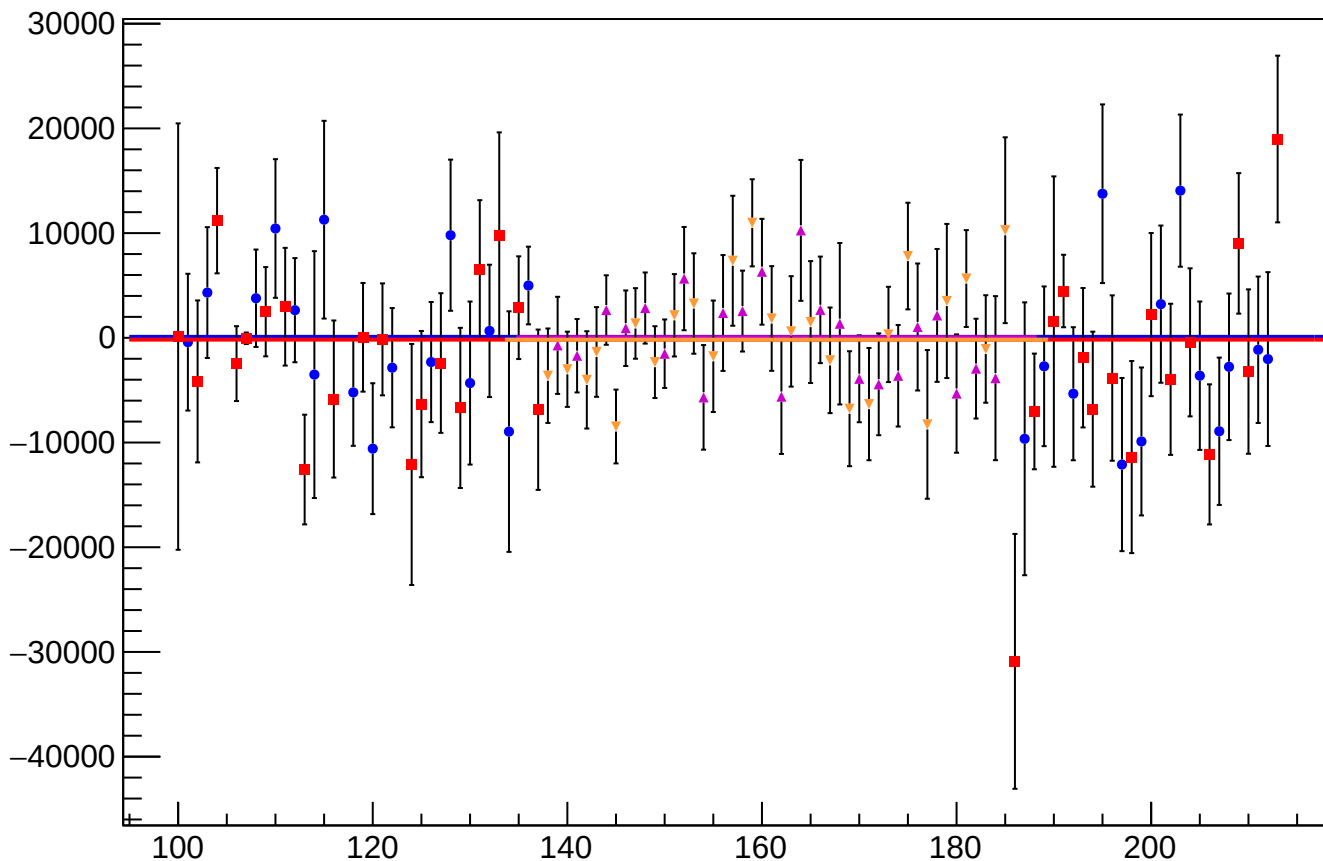
Left In: 1697.514 $\pm$ 0.280 χ^2 /NDF: 21146.9/22

+ sign 1760.374 $\pm$ 0.206 χ^2 /NDF: 431914.4/53

All: 1765.255 $\pm$ 0.146 χ^2 /NDF: 1137303.4/11

- sign 1770.173 $\pm$ 0.206 χ^2 /NDF: 704258.8/56

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 90.059+/-1220.193 χ^2/NDF : 28.5/28

Left Out: -175.755+/-935.140 χ^2/NDF : 27.9/24

Right Out: -172.277+/-491.500 χ^2/NDF : 41.8/33

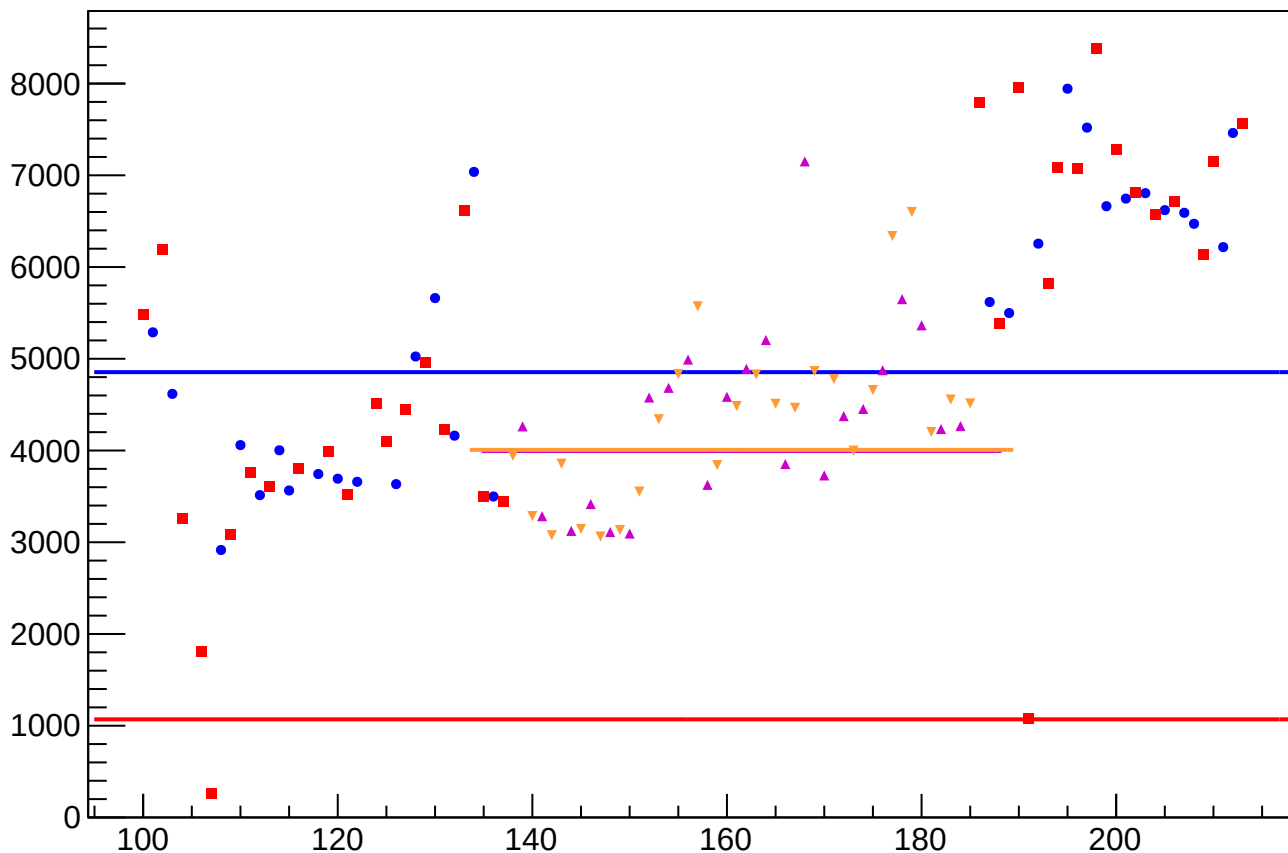
Left In: 56.377+/-956.388 χ^2/NDF : 14.3/22

+ sign -77.399+/-742.233 χ^2/NDF : 56.4/53

All: -112.373+/-376.675 χ^2/NDF : 112.5/110

- sign -124.505+/-437.151 χ^2/NDF : 56.1/56

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4854.278+/-0.863 χ^2/NDF : 2926915.5/28

Left Out: 4006.990+/-0.661 χ^2/NDF : 1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF : 27693086.1/33

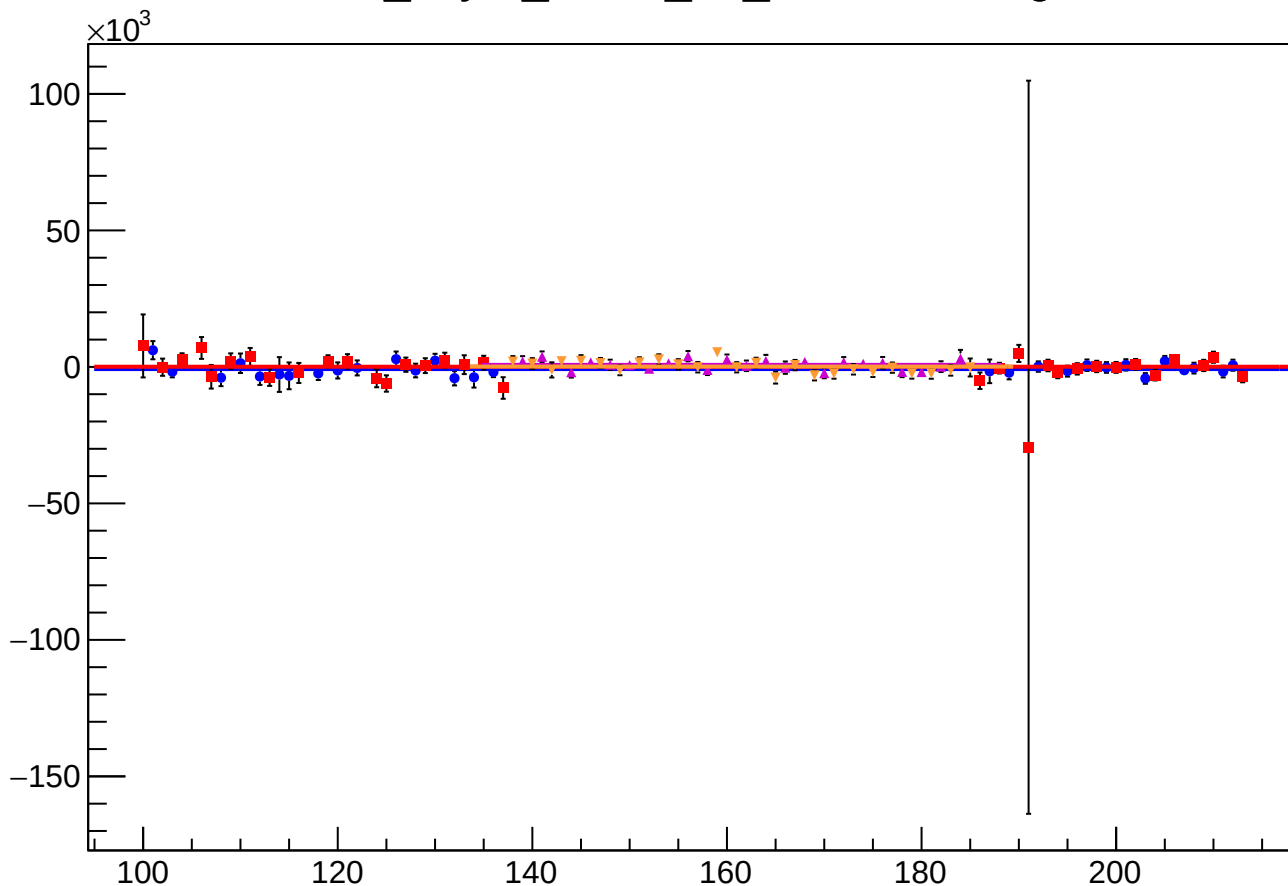
Left In: 3994.972+/-0.676 χ^2/NDF : 1538098.4/22

+ sign 4320.502+/-0.525 χ^2/NDF : 5038135.8/53

All: 2360.534+/-0.266 χ^2/NDF : 67857296.7/100

- sign 1680.654+/-0.309 χ^2/NDF : 44035616.5/56

dit_asym_atl1r2_dd_mean vs Slug



Right In: -791.143 ± 444.553 χ^2/NDF : 21.2/28

Left Out: 119.959 ± 389.458 χ^2/NDF : 29.7/24

Right Out: 63.331 ± 433.869 χ^2/NDF : 39.3/33

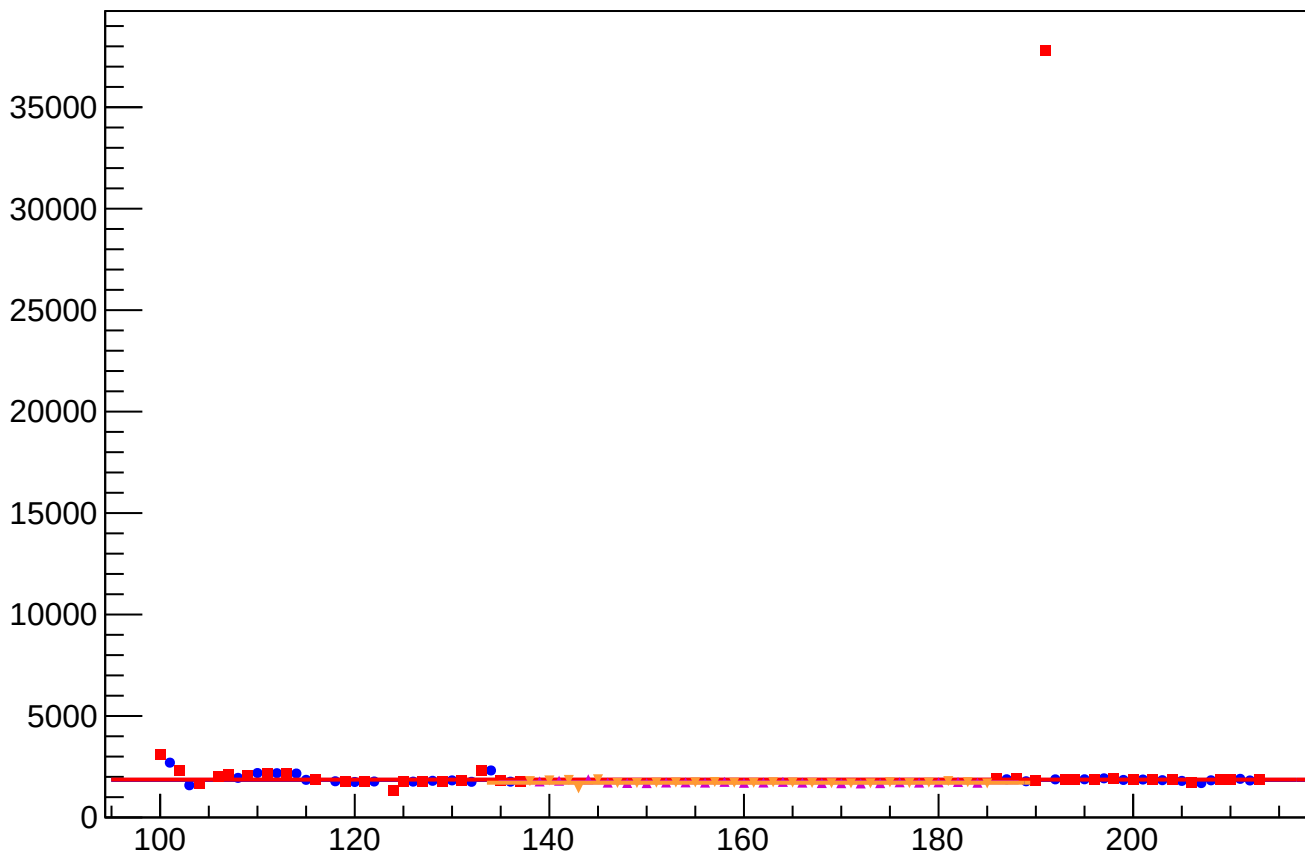
Left In: 741.191 ± 404.161 χ^2/NDF : 19.0/22

+ sign -275.666 ± 292.942 χ^2/NDF : 53.3/53

All: 71.973 ± 208.120 χ^2/NDF : 115.8/110

- sign 426.261 ± 295.730 χ^2/NDF : 59.6/56

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1849.473+/-0.314 χ^2/NDF : 280653.0/28

Left Out: 1712.310+/-0.275 χ^2/NDF : 94399.0/24

Right Out: 1865.388+/-0.307 χ^2/NDF : 430589.7/33

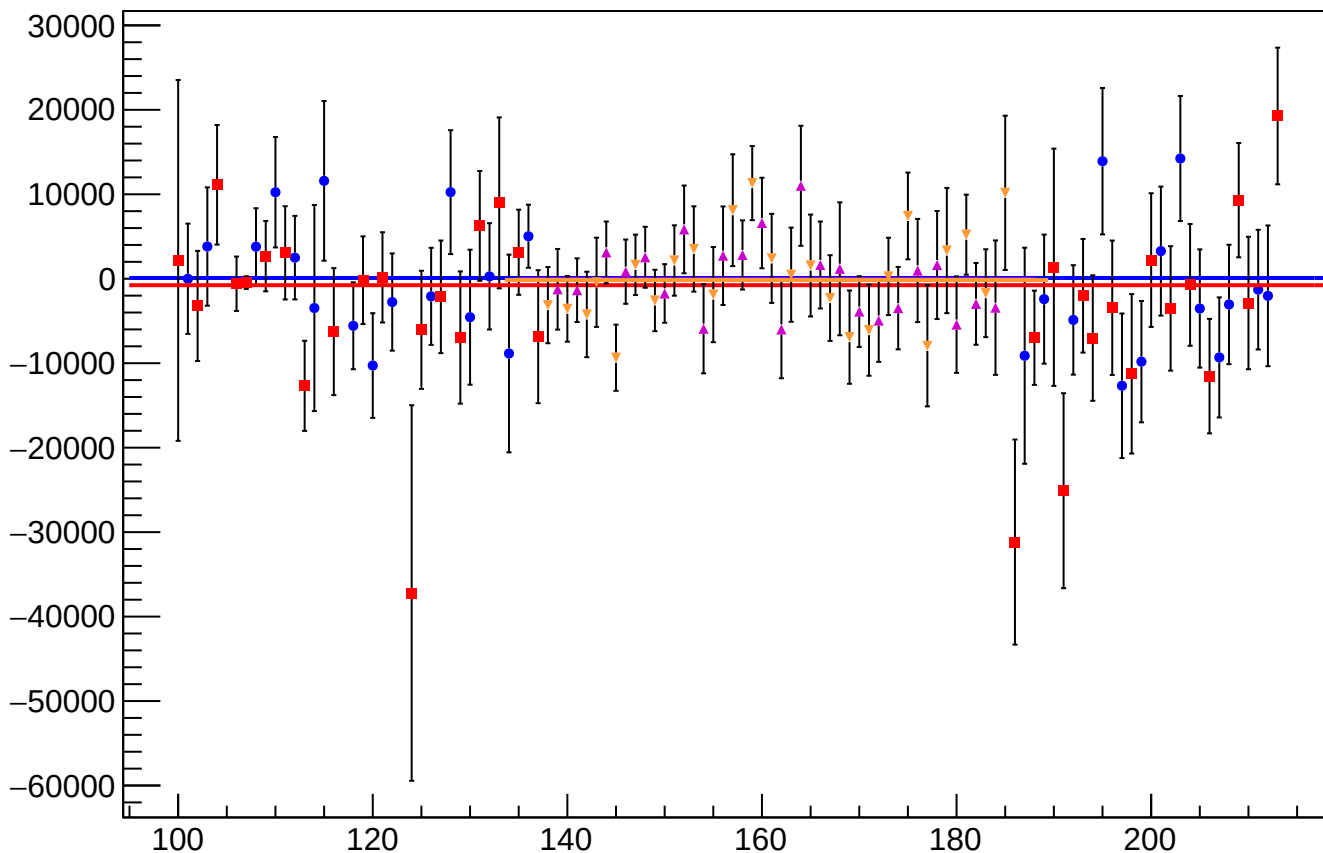
Left In: 1730.342+/-0.286 χ^2/NDF : 23075.7/22

+ sign 1771.869+/-0.207 χ^2/NDF : 482772.7/53

All: 1782.388+/-0.147 χ^2/NDF : 1045423.6/11

- sign 1793.105+/-0.209 χ^2/NDF : 557445.0/56

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 91.596+/-1230.323 χ^2/NDF : 28.2/28

Left Out: -150.169+/-984.984 χ^2/NDF : 26.9/24

Right Out: -763.682+/-625.781 χ^2/NDF : 42.4/33

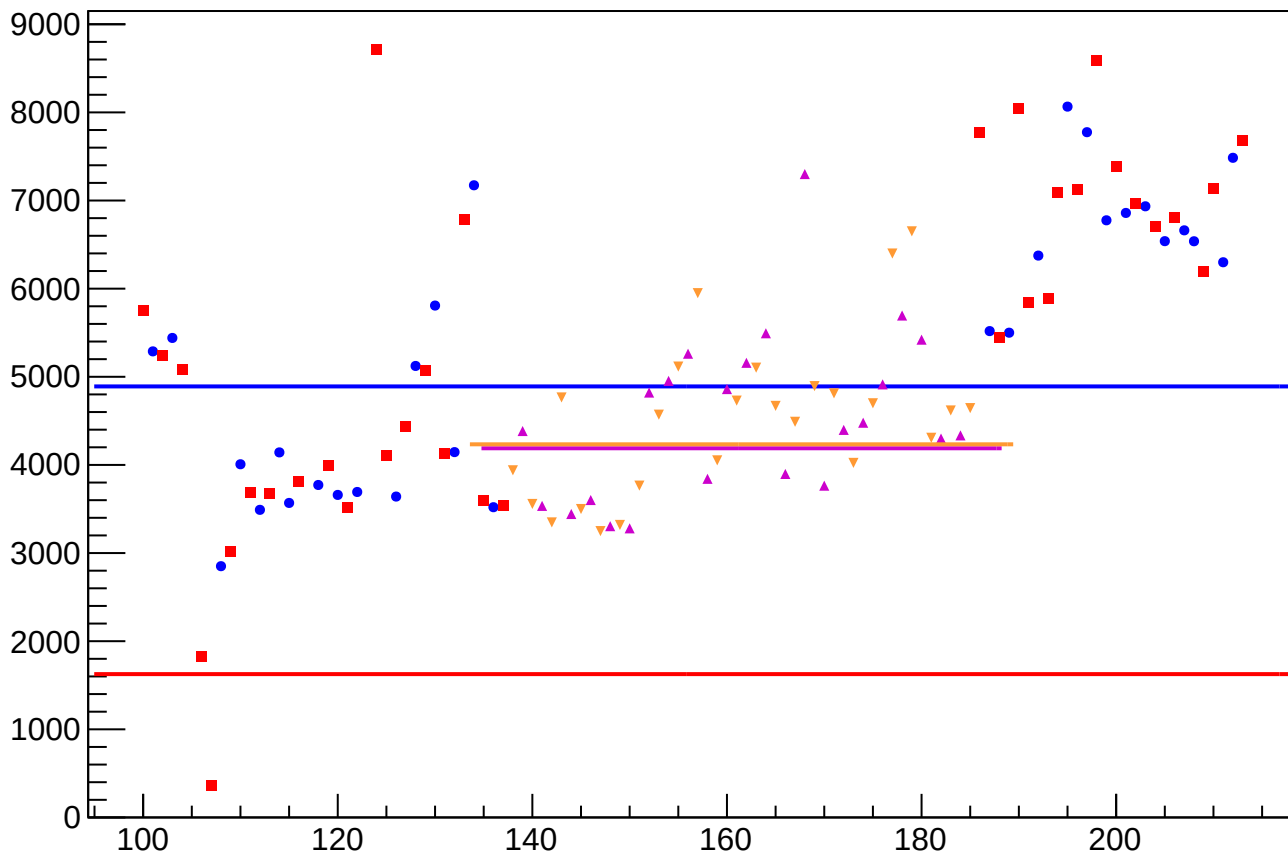
Left In: -65.169+/-1000.106 χ^2/NDF : 14.0/22

+ sign -55.736+/-768.922 χ^2/NDF : 55.1/53

All: -402.225+/-436.654 χ^2/NDF : 112.1/110

- sign -567.148+/-530.491 χ^2/NDF : 56.8/56

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4890.751 $\pm$ 0.870 χ^2/NDF : 3080015.6/28

Left Out: 4233.905 $\pm$ 0.696 χ^2/NDF : 1284783.2/24

Right Out: 1626.442 $\pm$ 0.442 χ^2/NDF : 24307925.9/33

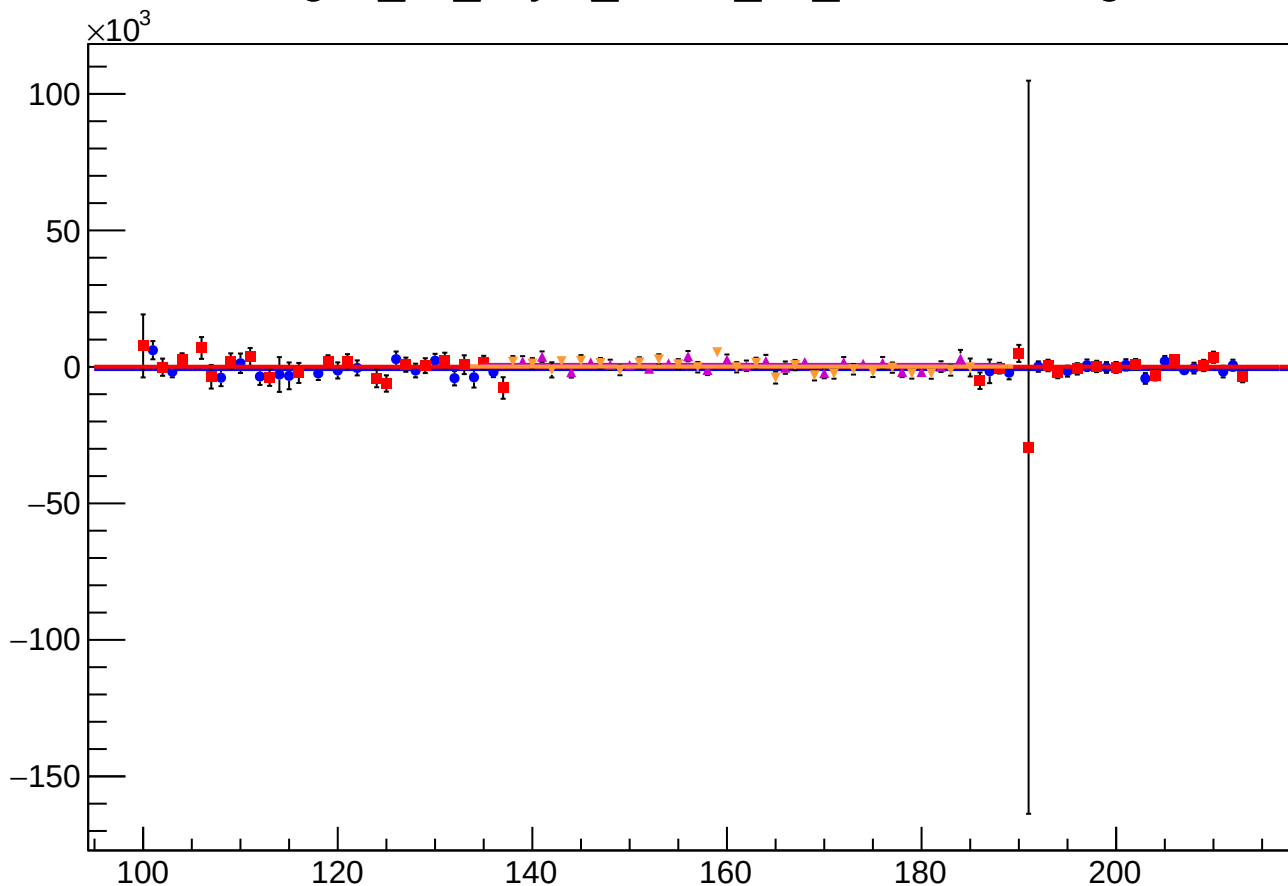
Left In: 4188.874 $\pm$ 0.707 χ^2/NDF : 1344602.0/22

+ sign 4490.466 $\pm$ 0.544 χ^2/NDF : 4712195.0/53

All: 3038.514 $\pm$ 0.309 χ^2/NDF : 50325672.0/100

- sign 2347.410 $\pm$ 0.375 χ^2/NDF : 35087771.8/56

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -791.143 ± 444.553 χ^2/NDF : 21.2/28

Left Out: 119.962 ± 389.458 χ^2/NDF : 29.7/24

Right Out: 63.332 ± 433.869 χ^2/NDF : 39.3/33

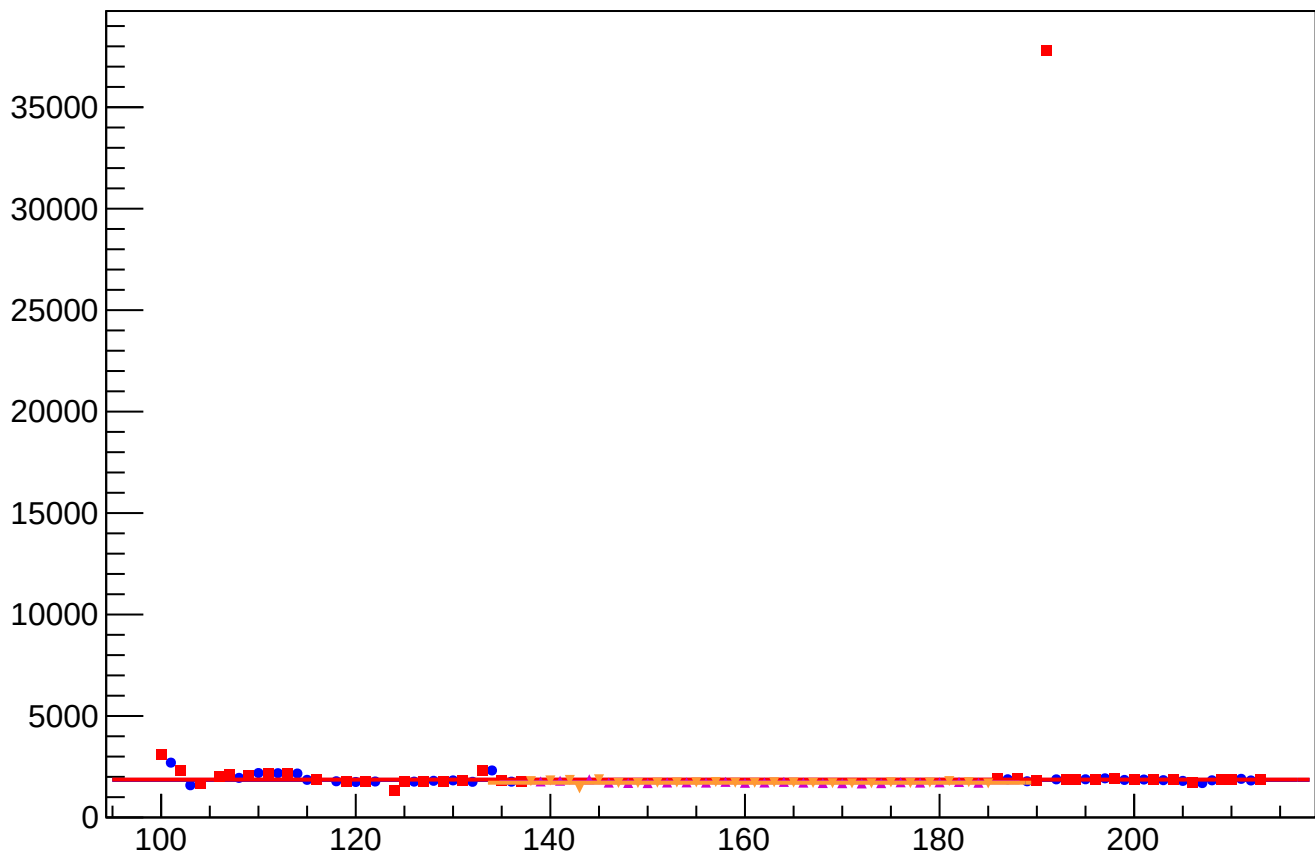
Left In: 741.189 ± 404.161 χ^2/NDF : 19.0/22

+ sign -275.664 ± 292.942 χ^2/NDF : 53.3/53

All: 71.974 ± 208.120 χ^2/NDF : 115.8/110

- sign 426.261 ± 295.730 χ^2/NDF : 59.6/56

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1849.473+/-0.314 χ^2/NDF : 280652.9/28

Left Out: 1712.310+/-0.275 χ^2/NDF : 94398.1/24

Right Out: 1865.389+/-0.307 χ^2/NDF : 430590.0/33

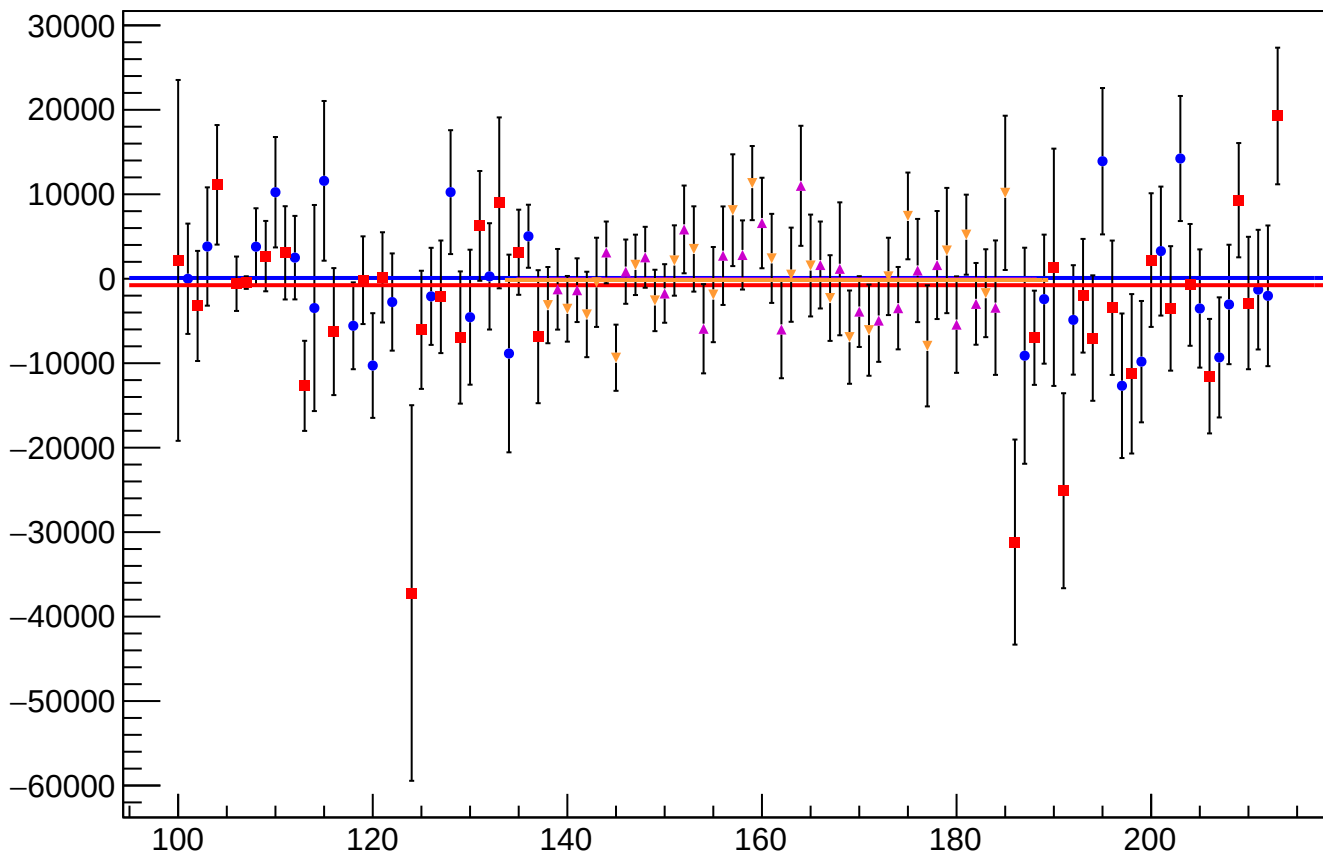
Left In: 1730.342+/-0.286 χ^2/NDF : 23075.7/22

+ sign 1771.870+/-0.207 χ^2/NDF : 482770.8/53

All: 1782.389+/-0.147 χ^2/NDF : 1045421.3/11

- sign 1793.105+/-0.209 χ^2/NDF : 557444.6/56

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 91.587 ± 1230.322 $\chi^2/\text{NDF}: 28.2/28$

Left Out: -150.169 ± 984.986 $\chi^2/\text{NDF}: 26.9/24$

Right Out: -763.696 ± 625.790 $\chi^2/\text{NDF}: 42.4/33$

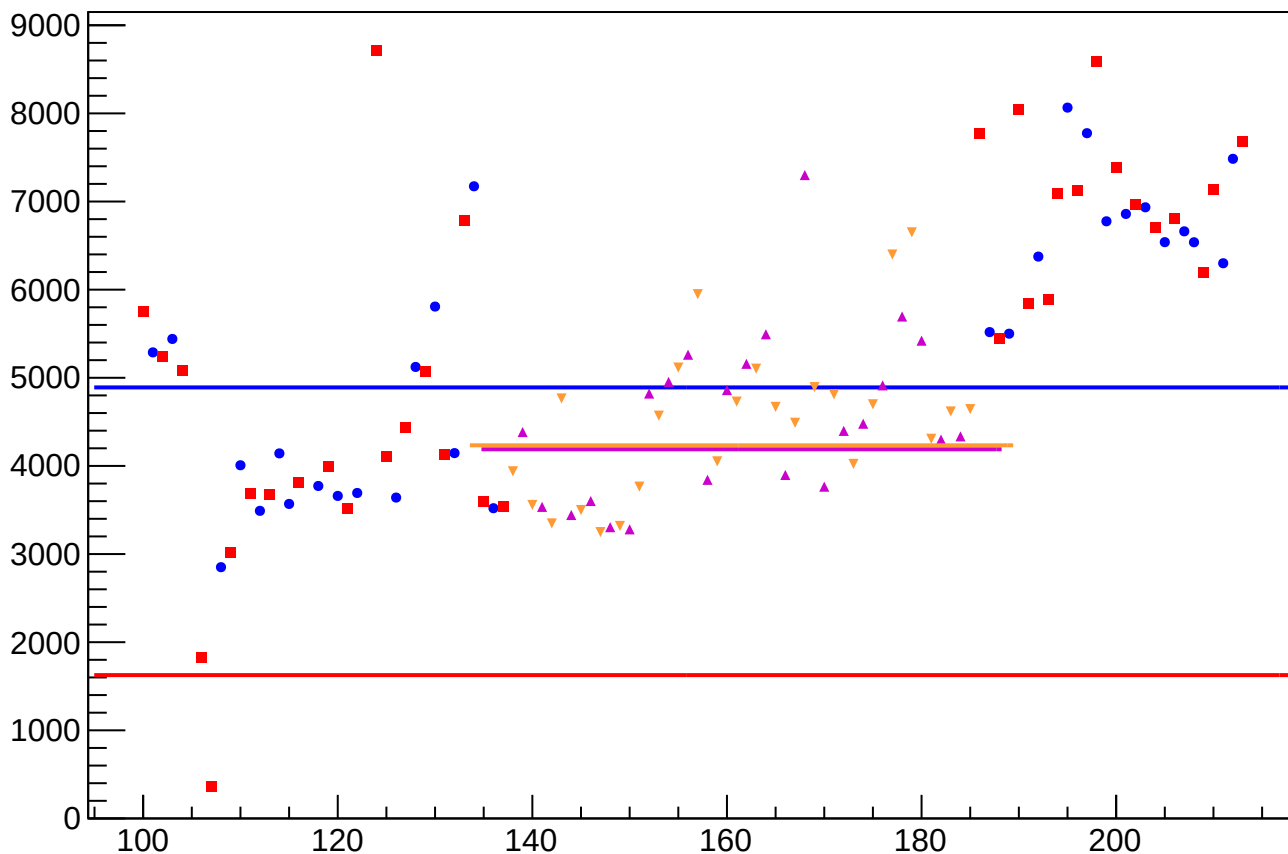
Left In: -65.171 ± 1000.108 $\chi^2/\text{NDF}: 14.0/22$

+ sign -55.740 ± 768.922 $\chi^2/\text{NDF}: 55.1/53$

All: -402.229 ± 436.657 $\chi^2/\text{NDF}: 112.1/110$

- sign -567.155 ± 530.497 $\chi^2/\text{NDF}: 56.8/56$

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4890.747 $\pm$ 0.870 χ^2 /NDF: 3080040.0/28

Left Out: 4233.911 $\pm$ 0.696 χ^2 /NDF: 1284785.6/24

Right Out: 1626.486 $\pm$ 0.443 χ^2 /NDF: 24307605.0/33

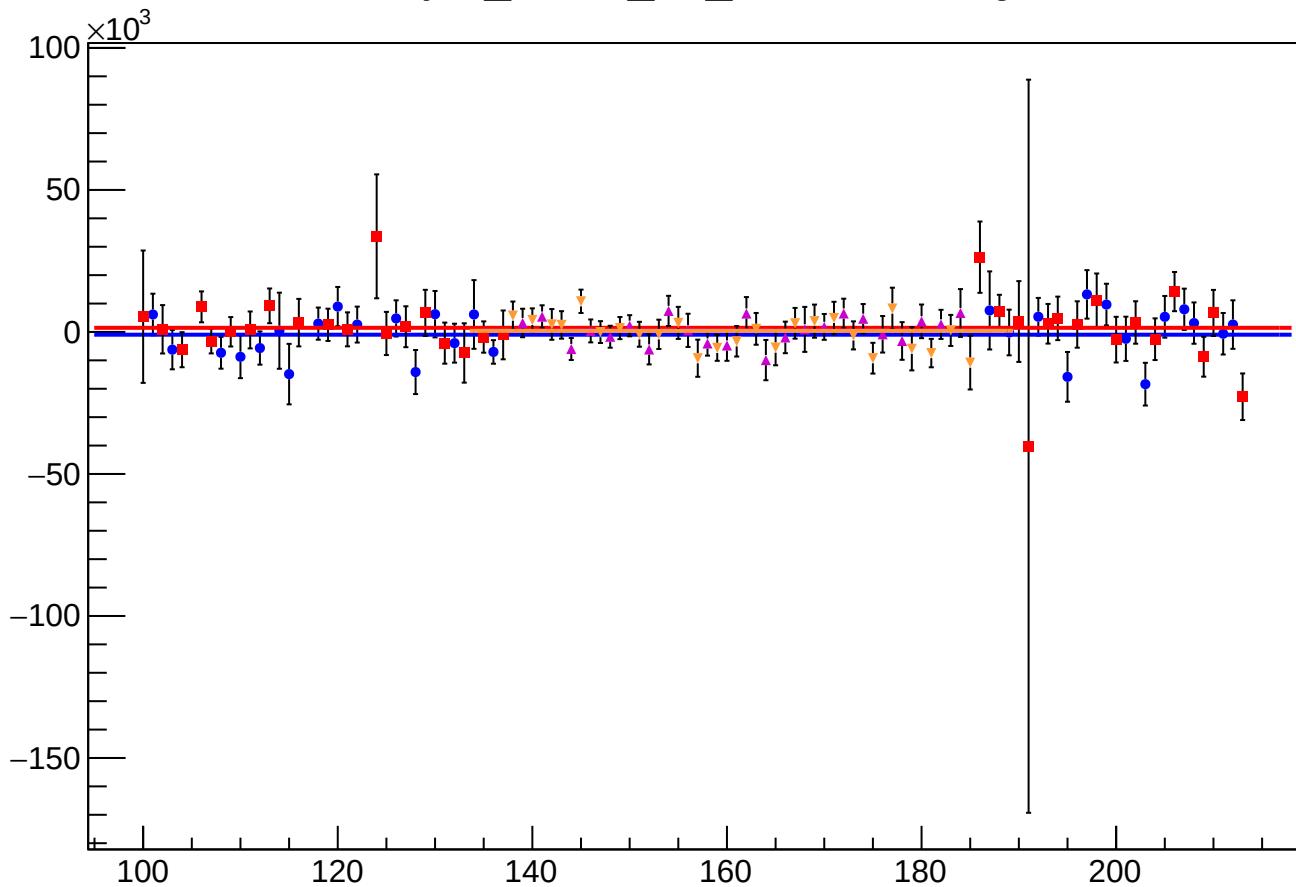
Left In: 4188.880 $\pm$ 0.707 χ^2 /NDF: 1344607.0/22

+ sign 4490.468 $\pm$ 0.544 χ^2 /NDF: 4712210.9/53

All: 3038.556 $\pm$ 0.309 χ^2 /NDF: 50324472.3/100

- sign 2347.457 $\pm$ 0.375 χ^2 /NDF: 35087078.7/56

asym_atl1r2_dd_mean vs Slug



Right In: -969.082 ± 1331.285 χ^2/NDF : 33.4/28

Left Out: 398.336 ± 1028.431 χ^2/NDF : 24.7/24

Right Out: 1453.314 ± 1244.845 χ^2/NDF : 32.4/33

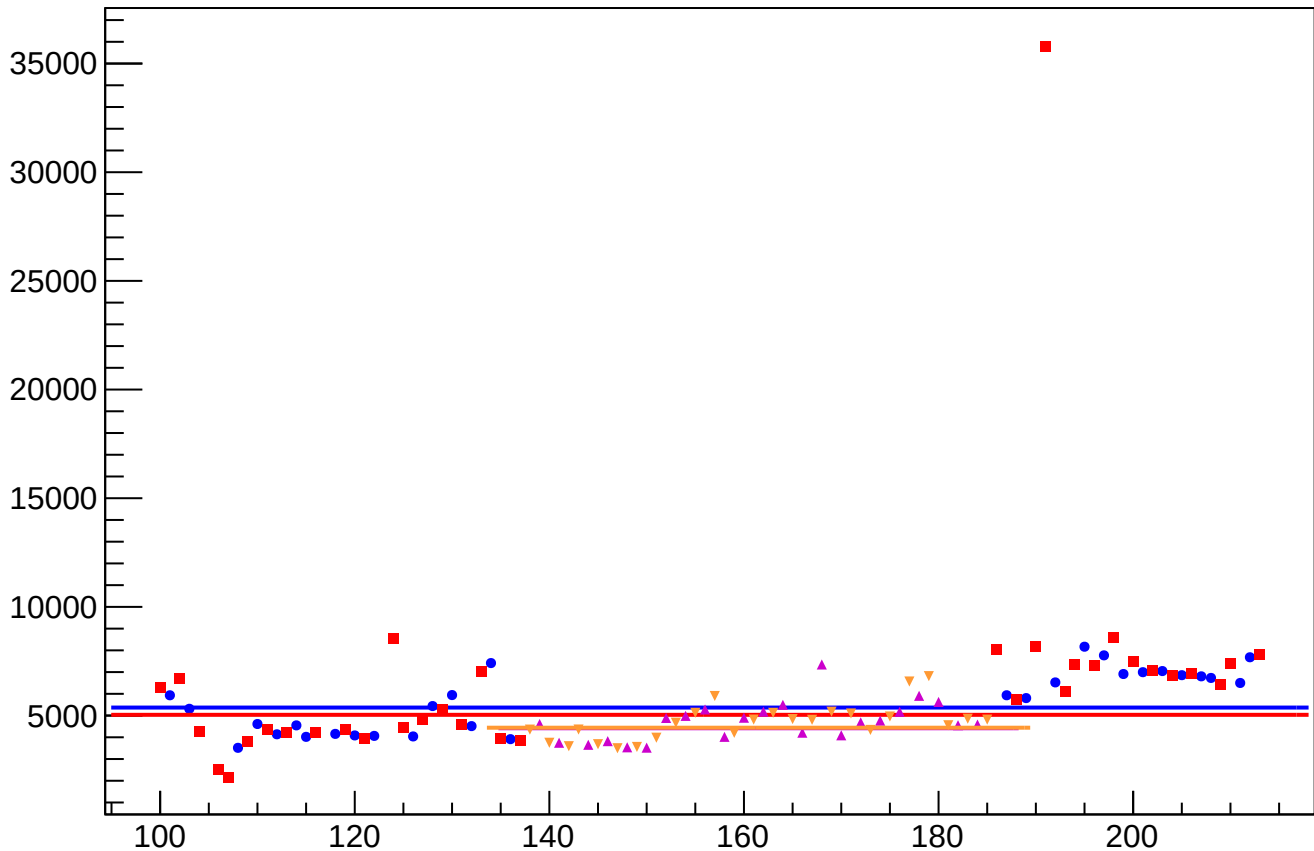
Left In: 502.999 ± 1049.682 χ^2/NDF : 17.3/22

+ sign -112.718 ± 813.868 χ^2/NDF : 58.8/53

All: 399.720 ± 571.420 χ^2/NDF : 109.6/110

- sign 897.907 ± 802.471 χ^2/NDF : 50.0/56

asym_atl1r2_dd_rms vs Slug



Right In: 5368.007 $\pm$ 0.941 χ^2 /NDF: 2189402.9/28

Left Out: 4440.810 $\pm$ 0.727 χ^2 /NDF: 1073119.1/24

Right Out: 5033.576 $\pm$ 0.875 χ^2 /NDF: 4189781.7/33

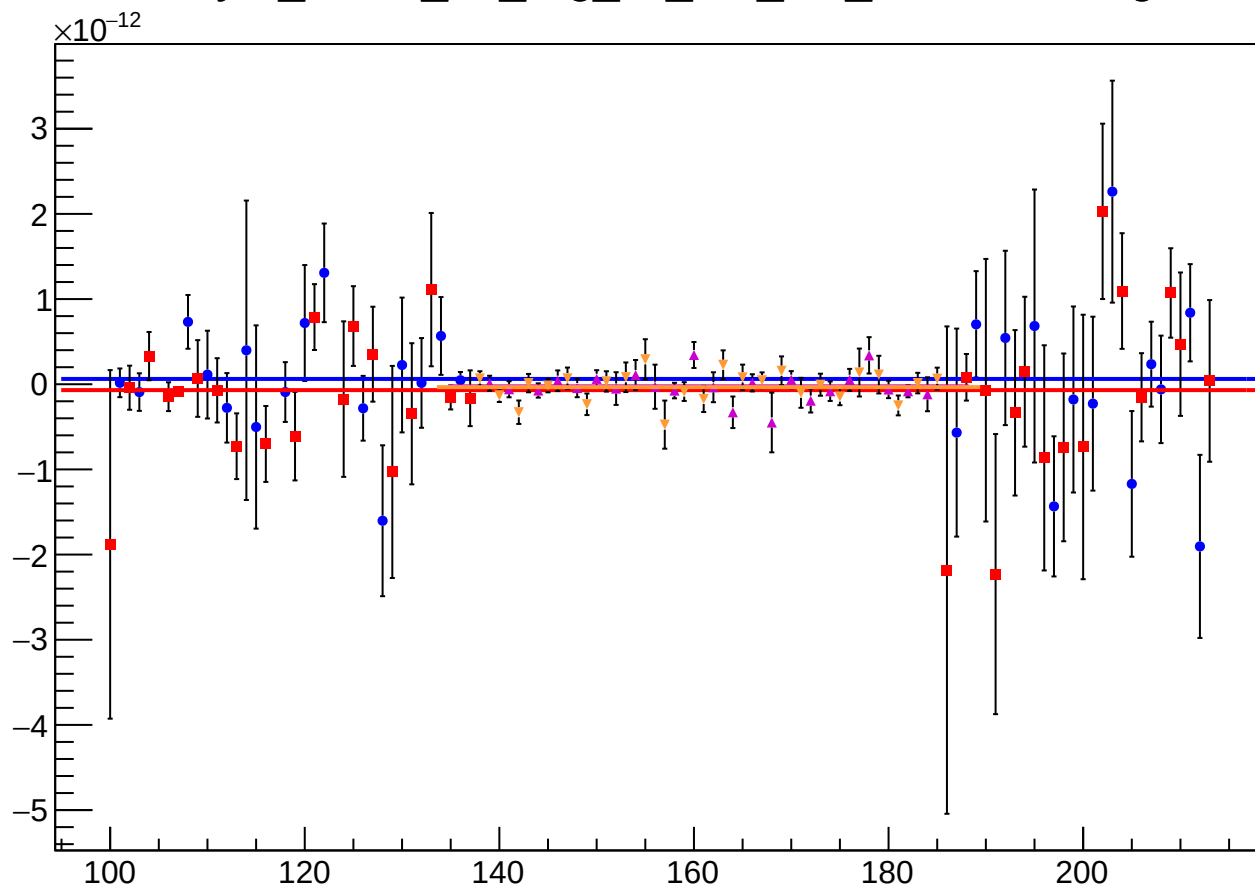
Left In: 4415.366 $\pm$ 0.742 χ^2 /NDF: 1111411.1/22

+ sign 4787.337 $\pm$ 0.575 χ^2 /NDF: 3870081.8/53

All: 4729.825 $\pm$ 0.404 χ^2 /NDF: 9481384.7/11

- sign 4674.214 $\pm$ 0.566 χ^2 /NDF: 5591658.8/56

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/33

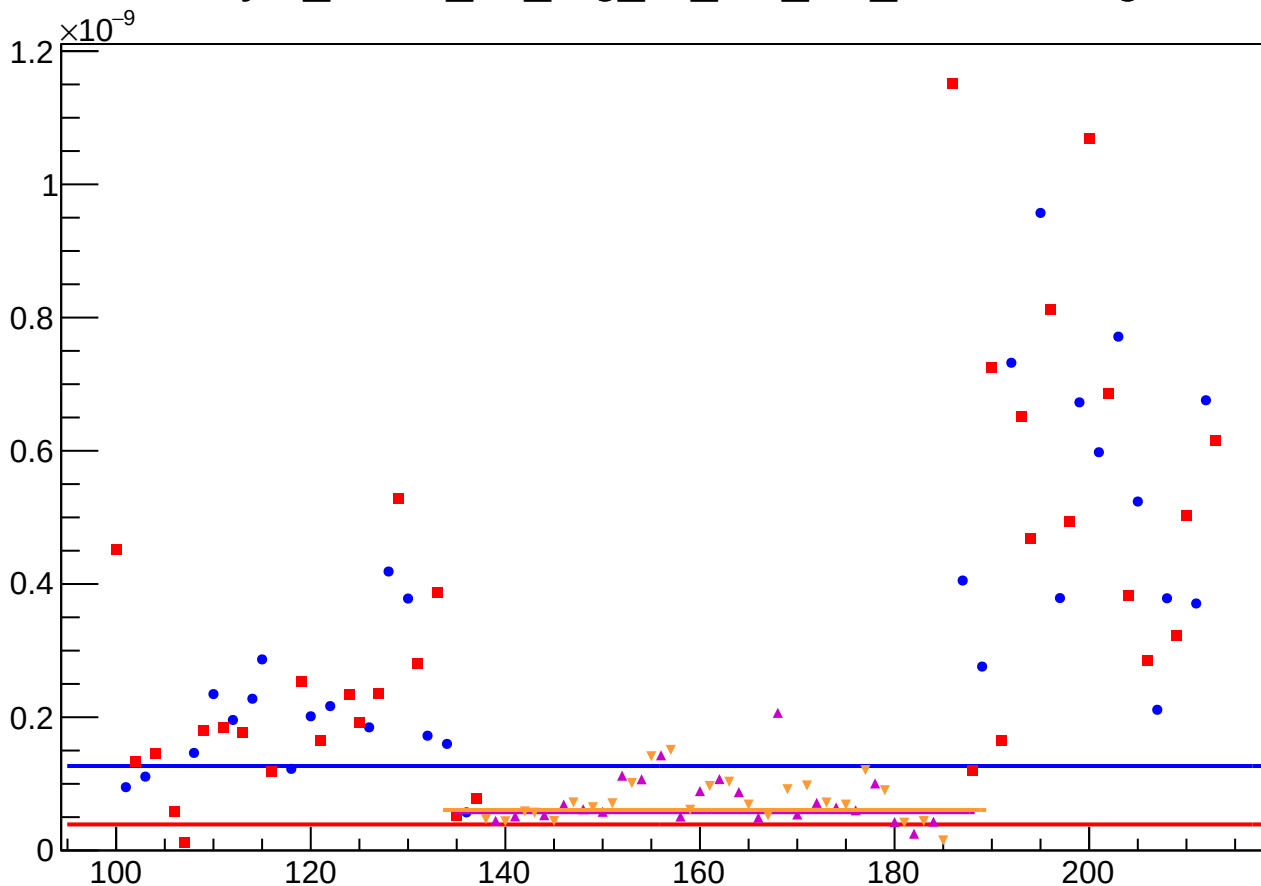
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.2/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 120.1/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 56.5/56

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6635051.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1723737.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12269791.7/33

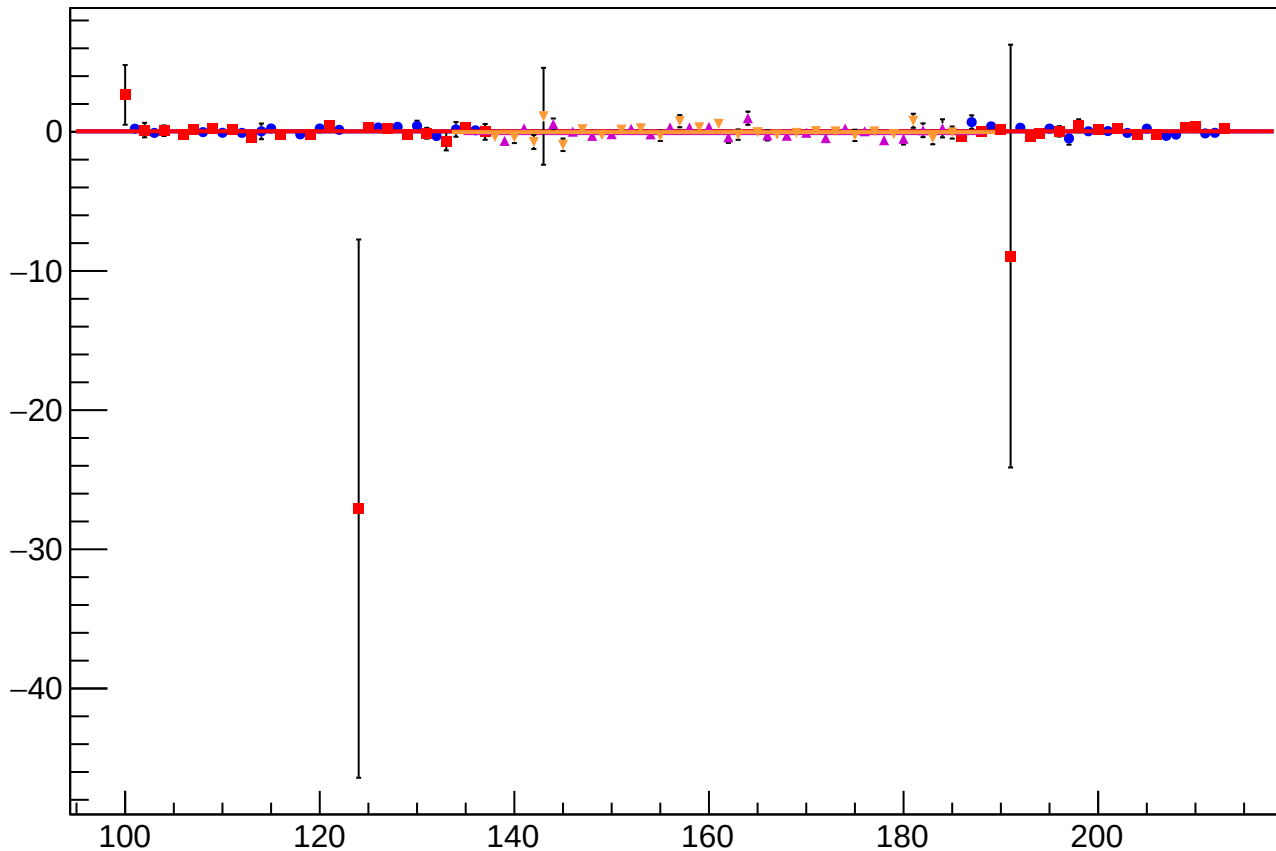
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1878360.3/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10155767.0/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 25431889.5/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 14551931.1/56

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.048 χ^2 /NDF: 20.7/28

Left Out: -0.024 $\pm$ 0.062 χ^2 /NDF: 23.5/24

Right Out: 0.038 $\pm$ 0.043 χ^2 /NDF: 36.2/33

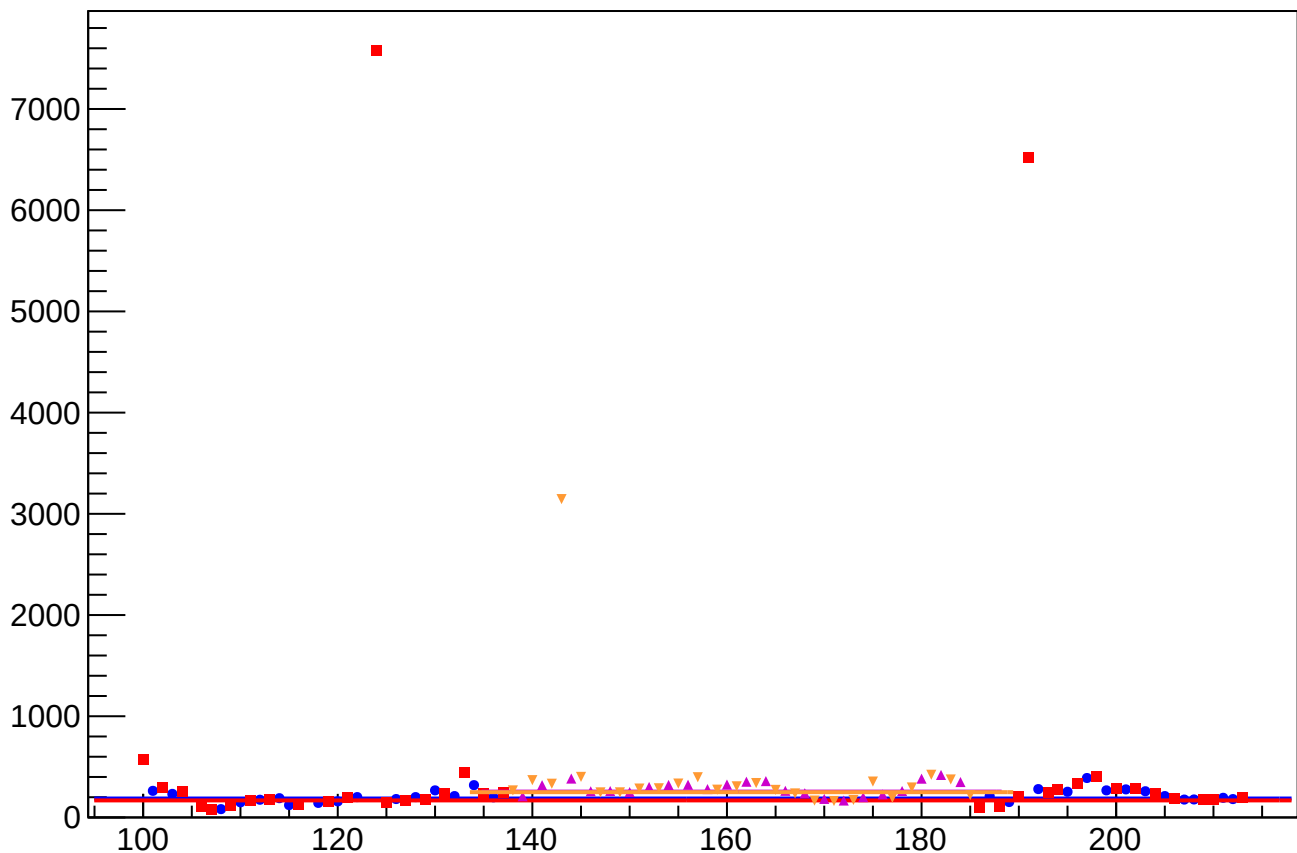
Left In: -0.095 $\pm$ 0.063 χ^2 /NDF: 31.5/22

+ sign 0.009 $\pm$ 0.038 χ^2 /NDF: 44.7/53

All: 0.002 $\pm$ 0.026 χ^2 /NDF: 115.5/110

- sign -0.005 $\pm$ 0.036 χ^2 /NDF: 70.7/56

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.089+/-0.034 χ^2/NDF : 2971196.3/28

Left Out: 249.848+/-0.044 χ^2/NDF : 4234507.4/24

Right Out: 168.504+/-0.031 χ^2/NDF : 5346738.0/33

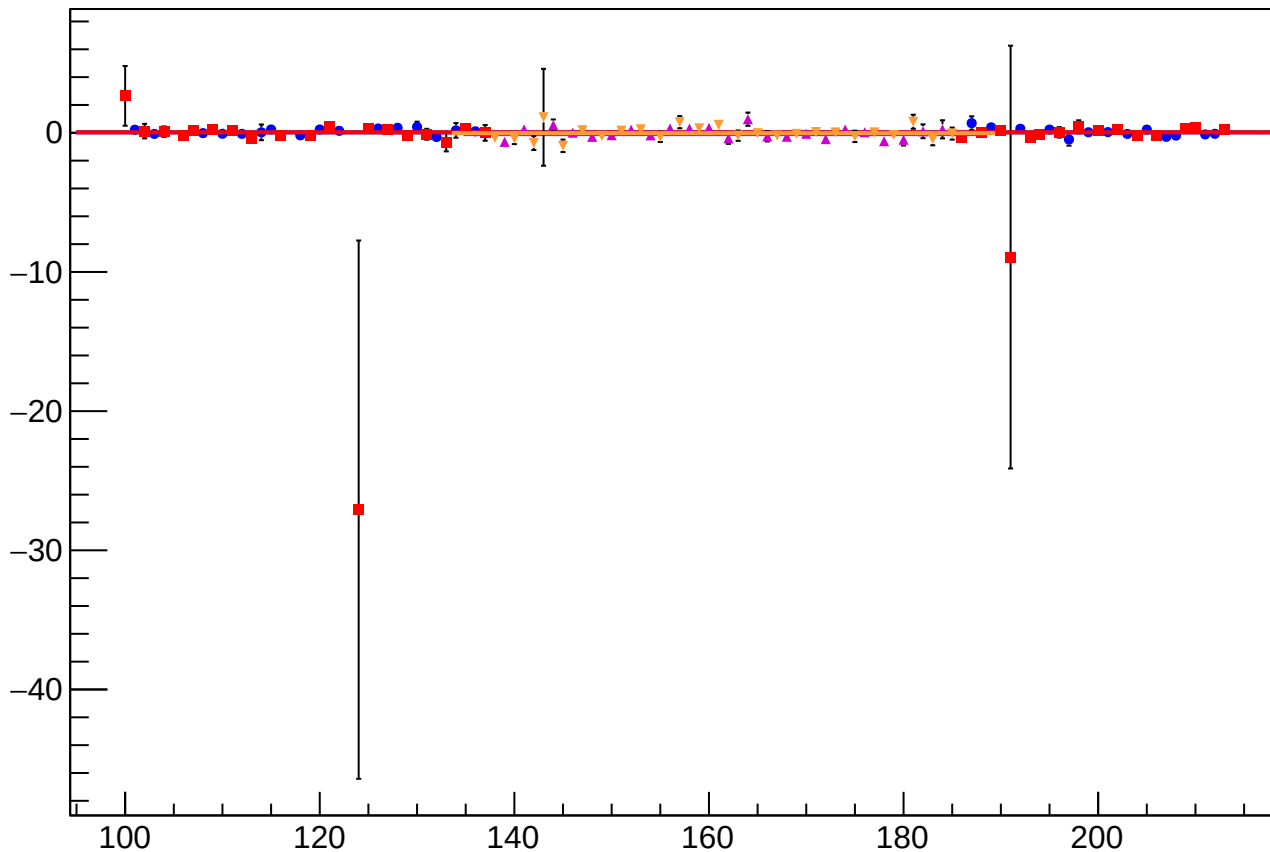
Left In: 255.299+/-0.045 χ^2/NDF : 2111552.0/22

+ sign 210.811+/-0.027 χ^2/NDF : 8496219.0/53

All: 203.255+/-0.018 χ^2/NDF : 18676106.7/11

- sign 196.512+/-0.025 χ^2/NDF : 10029335.2/56

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.048 χ^2 /NDF: 20.7/28

Left Out: -0.024 $\pm$ 0.062 χ^2 /NDF: 23.5/24

Right Out: 0.038 $\pm$ 0.043 χ^2 /NDF: 36.2/33

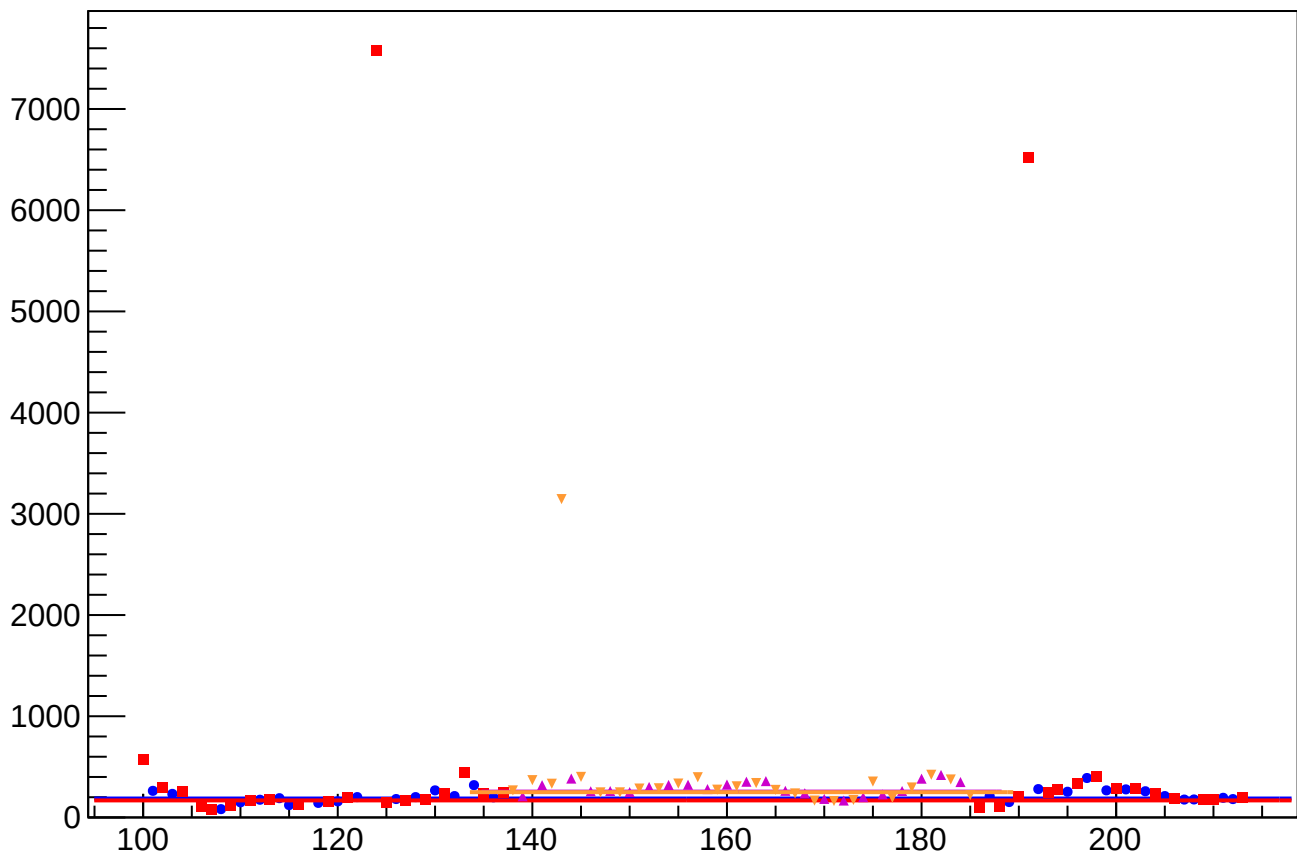
Left In: -0.095 $\pm$ 0.063 χ^2 /NDF: 31.5/22

+ sign 0.009 $\pm$ 0.038 χ^2 /NDF: 44.7/53

All: 0.002 $\pm$ 0.026 χ^2 /NDF: 115.5/110

- sign -0.005 $\pm$ 0.036 χ^2 /NDF: 70.7/56

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.089+/-0.034 χ^2/NDF : 2971196.3/28

Left Out: 249.848+/-0.044 χ^2/NDF : 4234507.4/24

Right Out: 168.504+/-0.031 χ^2/NDF : 5346738.0/33

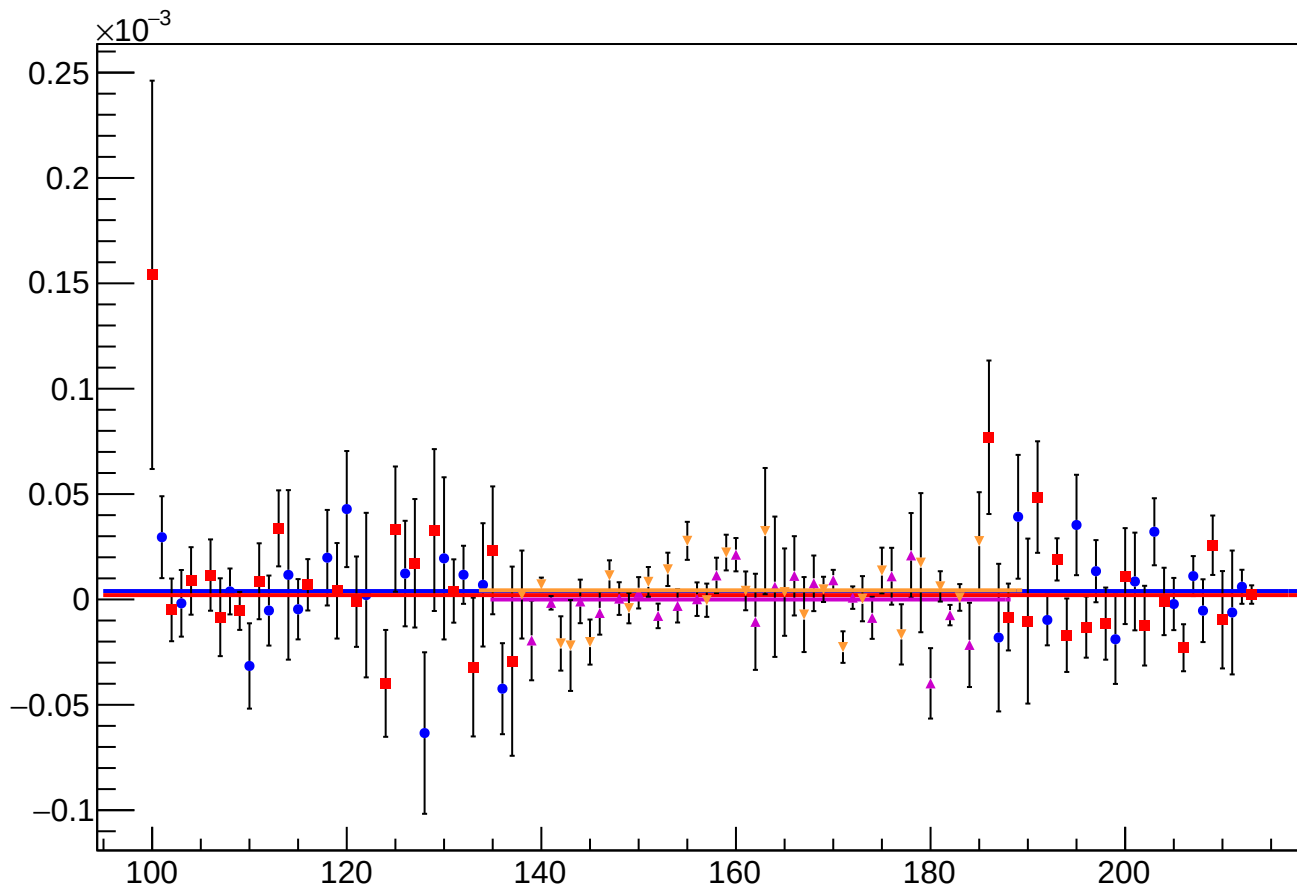
Left In: 255.299+/-0.045 χ^2/NDF : 2111552.0/22

+ sign 210.811+/-0.027 χ^2/NDF : 8496219.0/53

All: 203.255+/-0.018 χ^2/NDF : 18676106.7/11

- sign 196.512+/-0.025 χ^2/NDF : 10029335.2/56

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 27.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 46.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 37.2/33

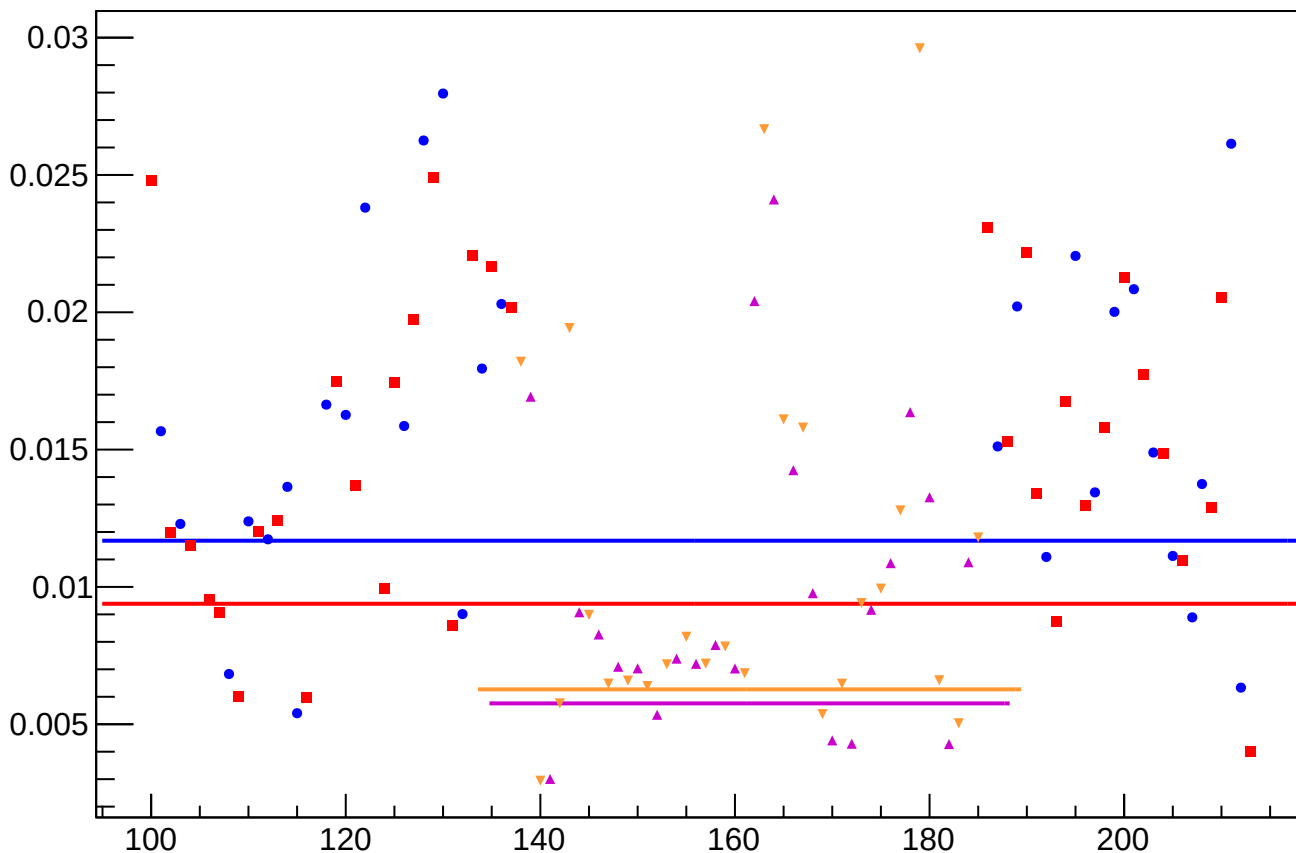
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 29.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 73.5/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 143.6/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 66.7/56

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 5289468.9/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7909965.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8893295.8/33

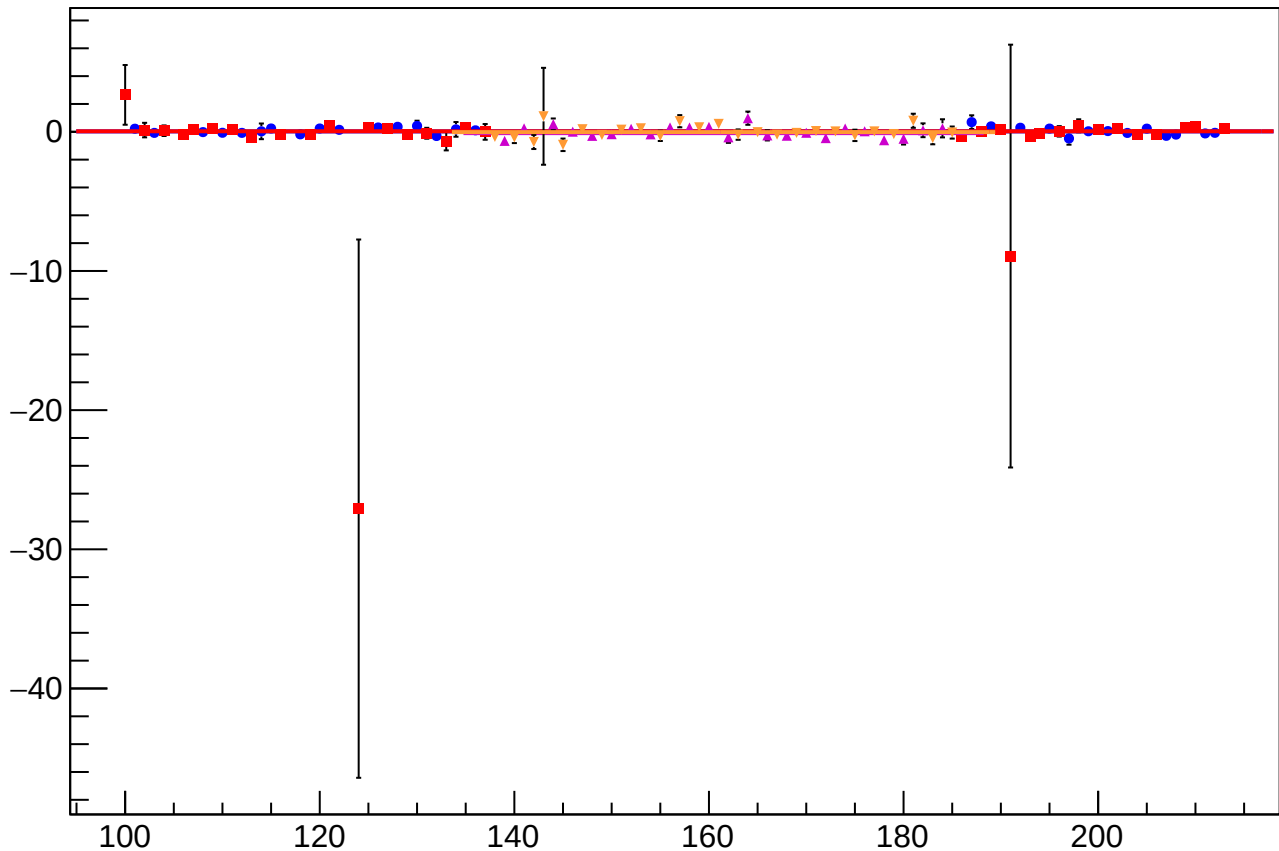
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7081814.9/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 17947536.6/53

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 37158359.5/110

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 18980452.7/56

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.048 χ^2 /NDF: 20.7/28

Left Out: -0.024 $\pm$ 0.062 χ^2 /NDF: 23.5/24

Right Out: 0.038 $\pm$ 0.043 χ^2 /NDF: 36.2/33

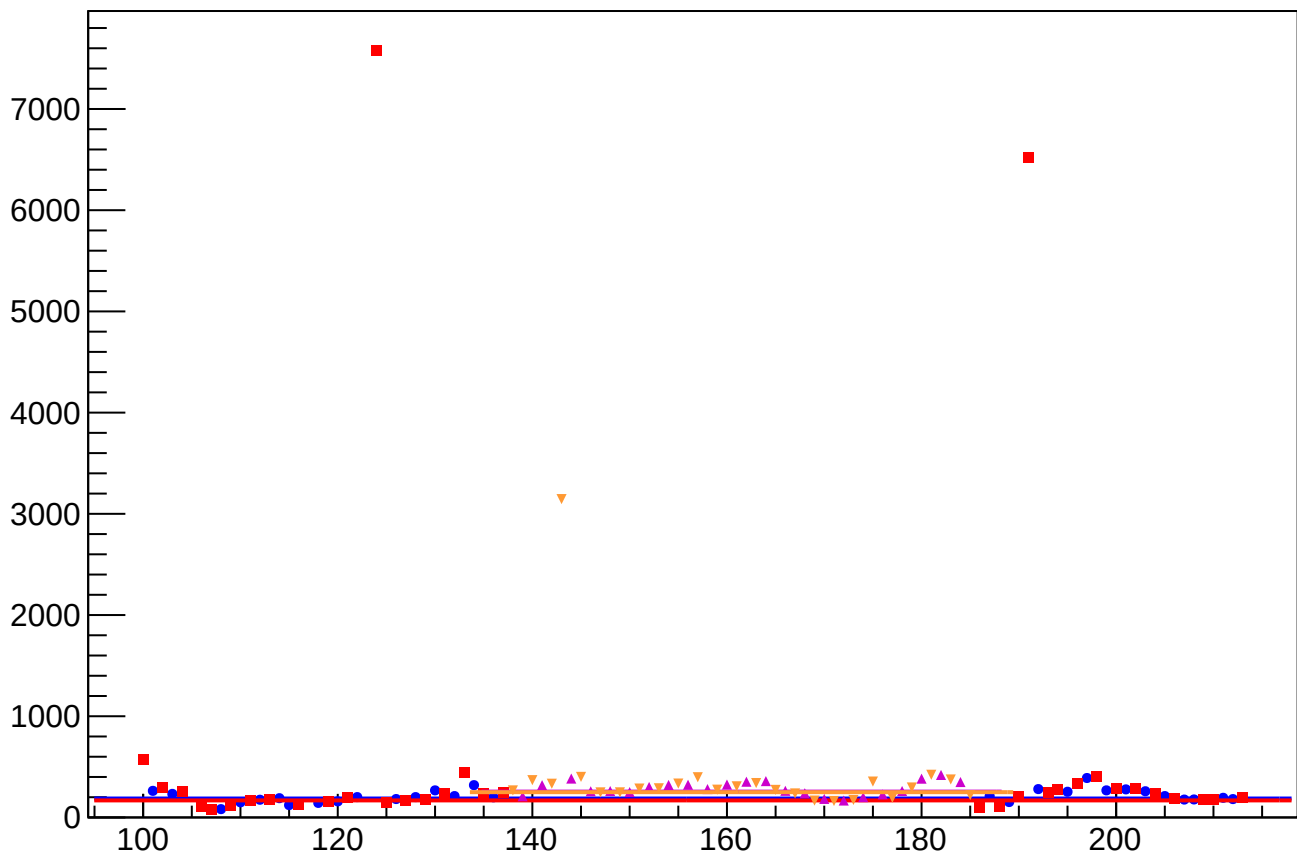
Left In: -0.095 $\pm$ 0.063 χ^2 /NDF: 31.5/22

+ sign 0.009 $\pm$ 0.038 χ^2 /NDF: 44.7/53

All: 0.002 $\pm$ 0.026 χ^2 /NDF: 115.5/110

- sign -0.005 $\pm$ 0.036 χ^2 /NDF: 70.7/56

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.088 $\pm$ 0.034 χ^2 /NDF: 2971272.2/28

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 168.506 $\pm$ 0.031 χ^2 /NDF: 5346601.5/33

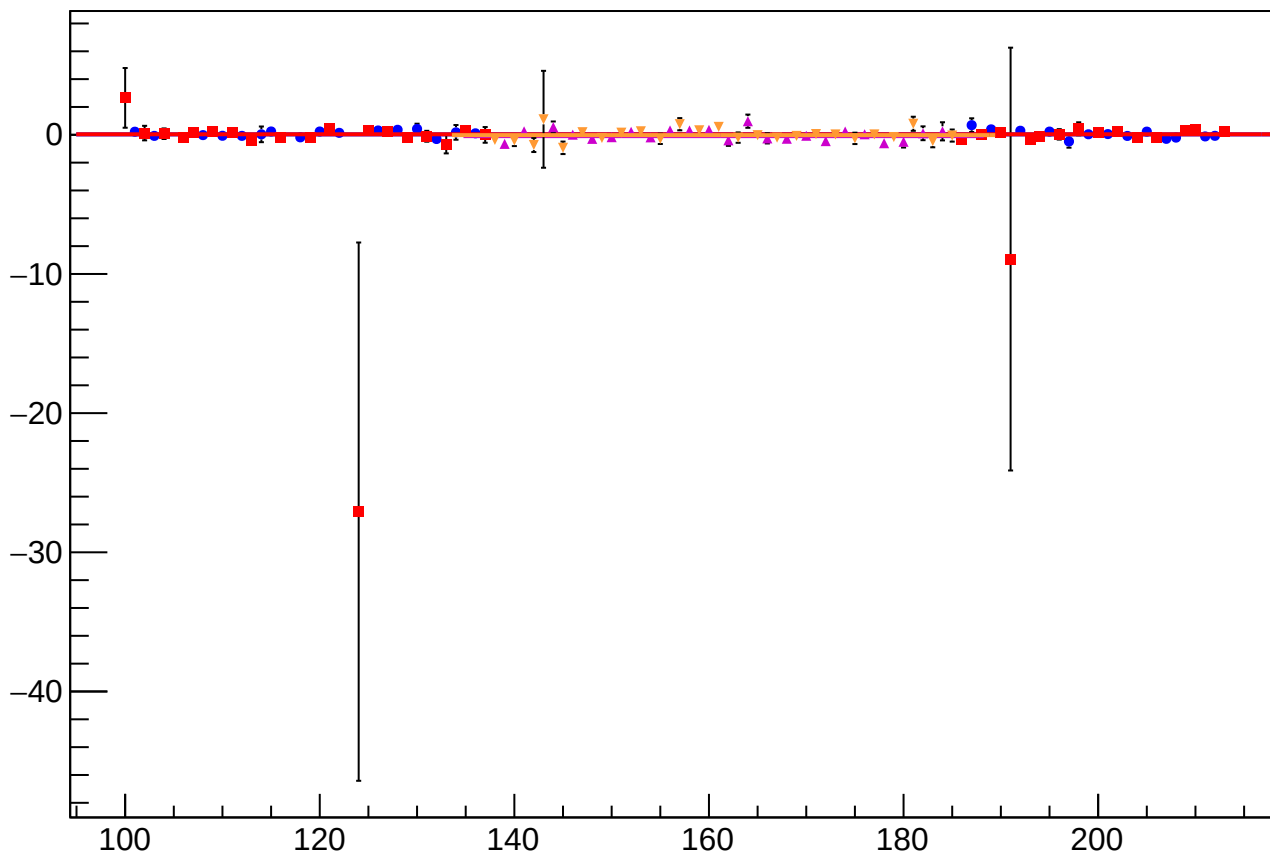
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 210.811 $\pm$ 0.027 χ^2 /NDF: 8496478.2/53

All: 203.256 $\pm$ 0.018 χ^2 /NDF: 18676194.7/11

- sign 196.514 $\pm$ 0.025 χ^2 /NDF: 10029211.3/56

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.048 χ^2 /NDF: 20.7/28

Left Out: -0.024 $\pm$ 0.062 χ^2 /NDF: 23.5/24

Right Out: 0.038 $\pm$ 0.043 χ^2 /NDF: 36.2/33

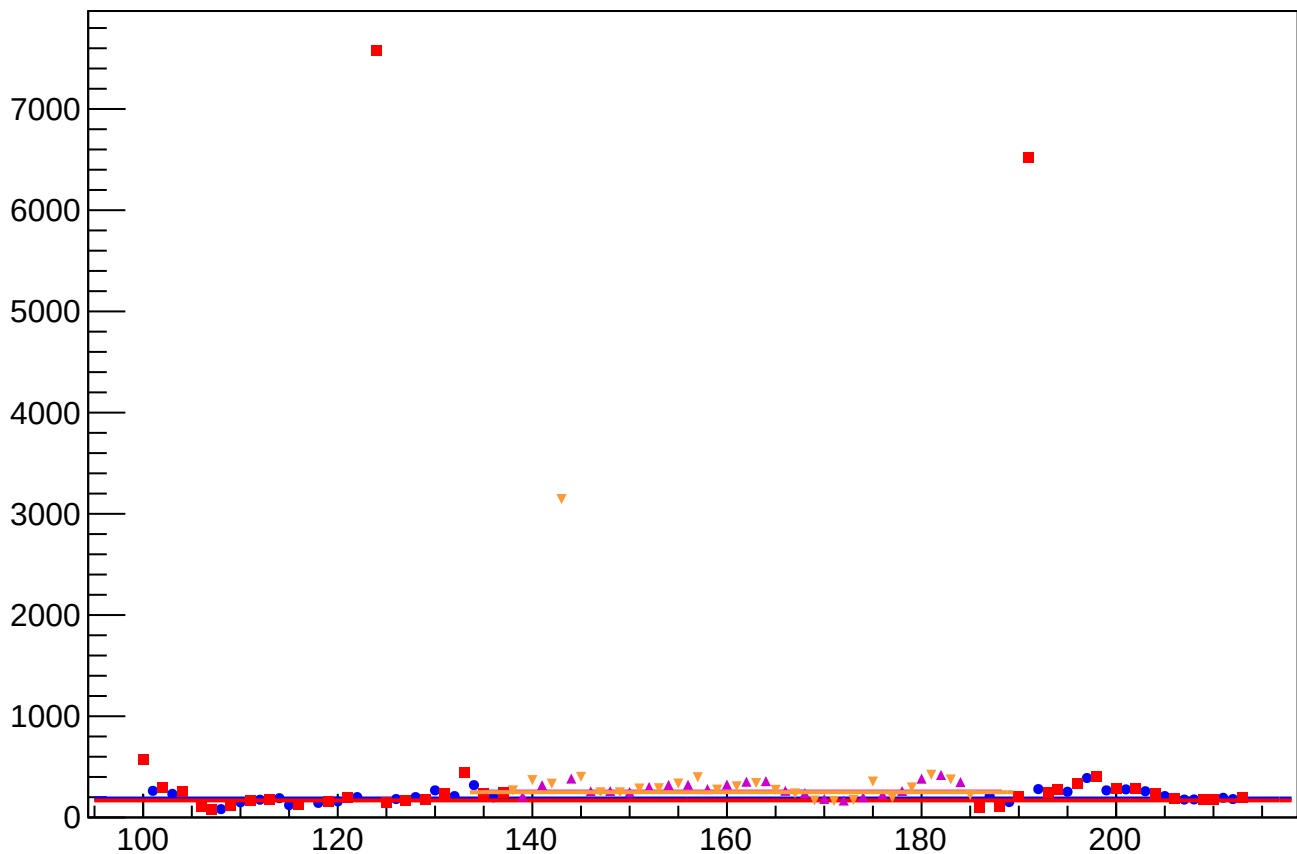
Left In: -0.095 $\pm$ 0.063 χ^2 /NDF: 31.5/22

+ sign 0.009 $\pm$ 0.038 χ^2 /NDF: 44.7/53

All: 0.002 $\pm$ 0.026 χ^2 /NDF: 115.5/110

- sign -0.005 $\pm$ 0.036 χ^2 /NDF: 70.7/56

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.088 $\pm$ 0.034 χ^2 /NDF: 2971272.2/28

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 168.506 $\pm$ 0.031 χ^2 /NDF: 5346601.5/33

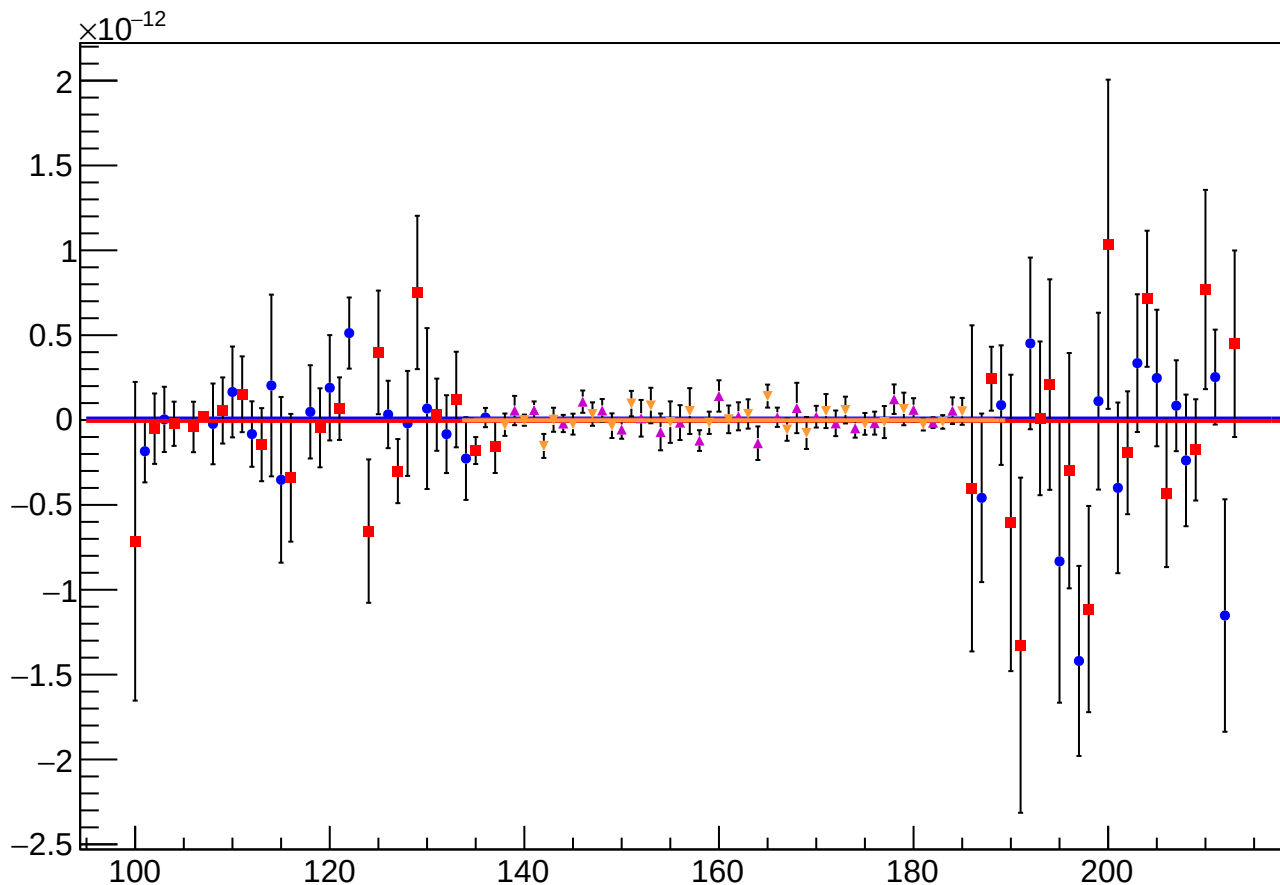
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 210.811 $\pm$ 0.027 χ^2 /NDF: 8496478.2/53

All: 203.256 $\pm$ 0.018 χ^2 /NDF: 18676194.7/11

- sign 196.514 $\pm$ 0.025 χ^2 /NDF: 10029211.3/56

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 24.7/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.5/33

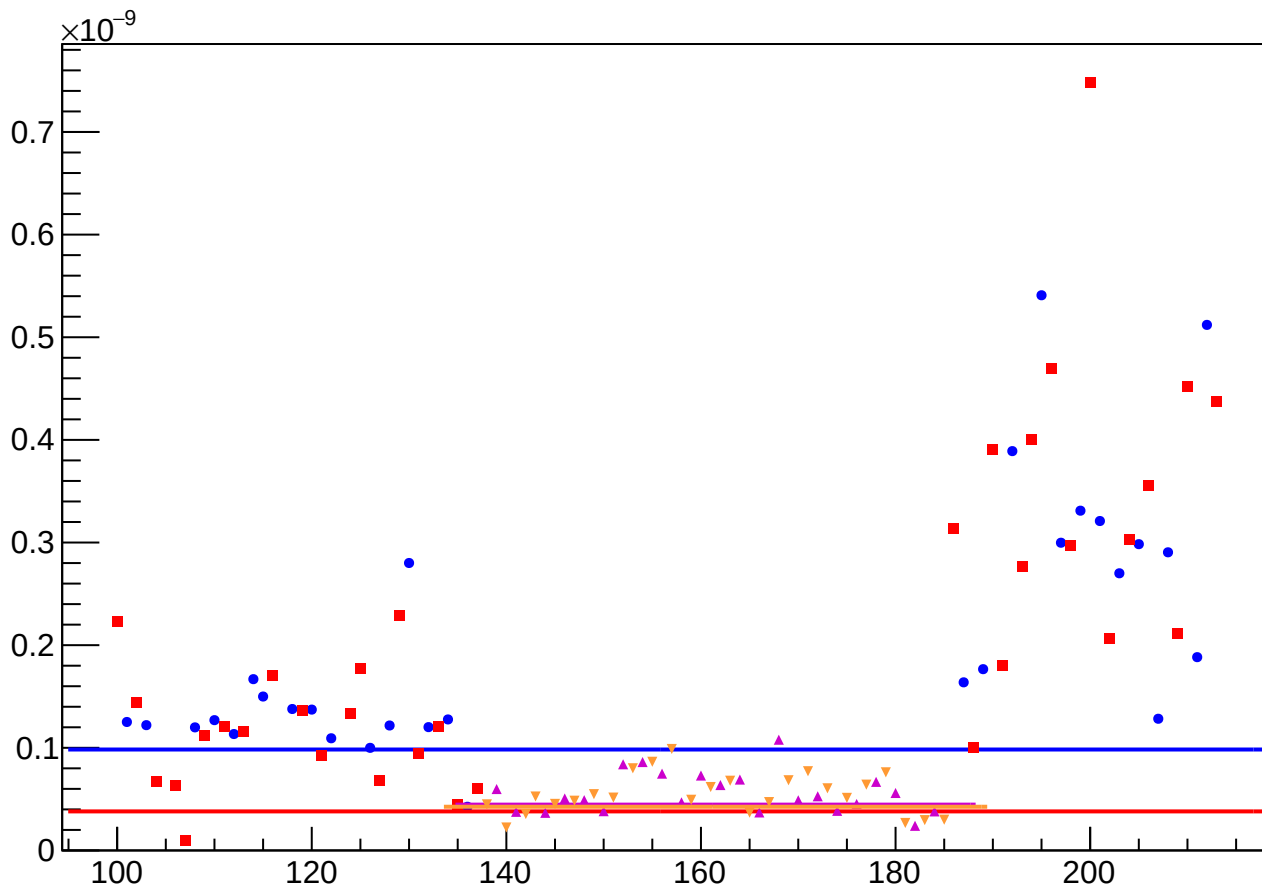
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 41.1/53

All: 0.000 ± 0.000 χ^2/NDF : 95.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 54.5/56

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7257049.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15062355.5/33

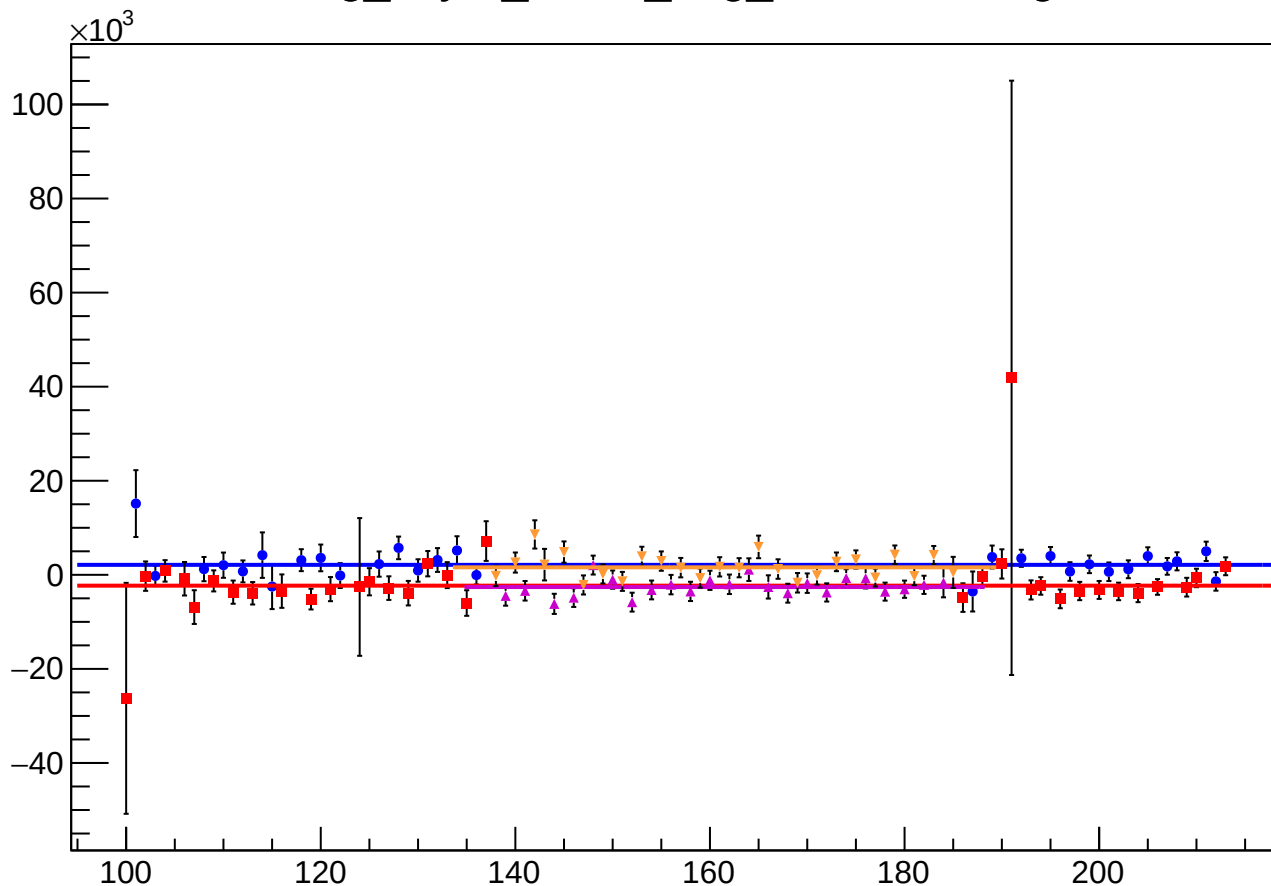
Left In: 0.000+/-0.000 χ^2/NDF : 2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 14460822.0/53

All: 0.000+/-0.000 χ^2/NDF : 32697769.3/110

- sign 0.000+/-0.000 χ^2/NDF : 18059744.0/56

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2121.552 ± 427.175 χ^2/NDF : 23.6/28

Left Out: 1592.464 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2303.080 ± 414.290 χ^2/NDF : 32.7/33

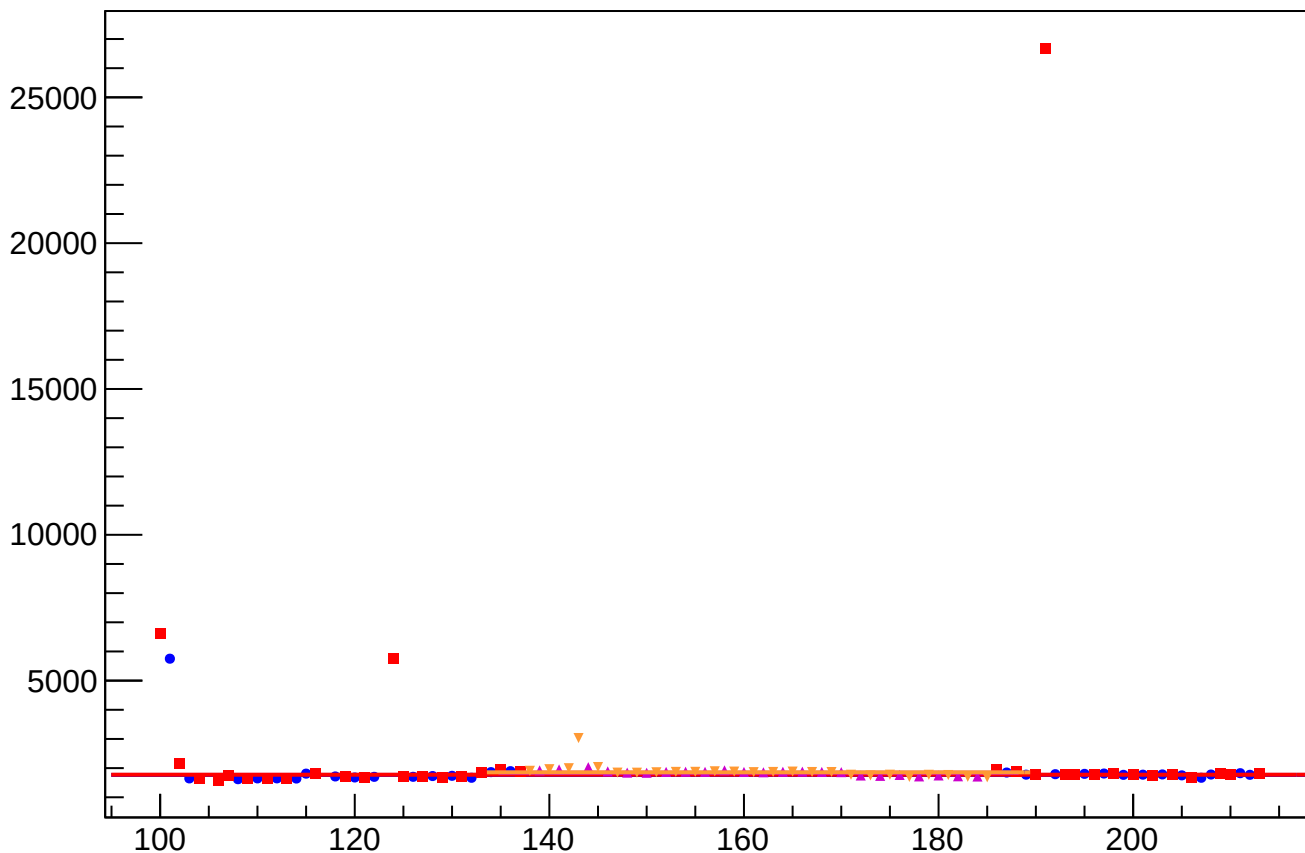
Left In: -2597.740 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1854.597 ± 300.678 χ^2/NDF : 55.6/53

All: -311.144 ± 211.818 χ^2/NDF : 211.6/110

- sign -2444.829 ± 298.445 χ^2/NDF : 53.0/56

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1765.427+/-0.302 χ^2/NDF : 682756.1/28

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1773.955+/-0.292 χ^2/NDF : 648692.1/33

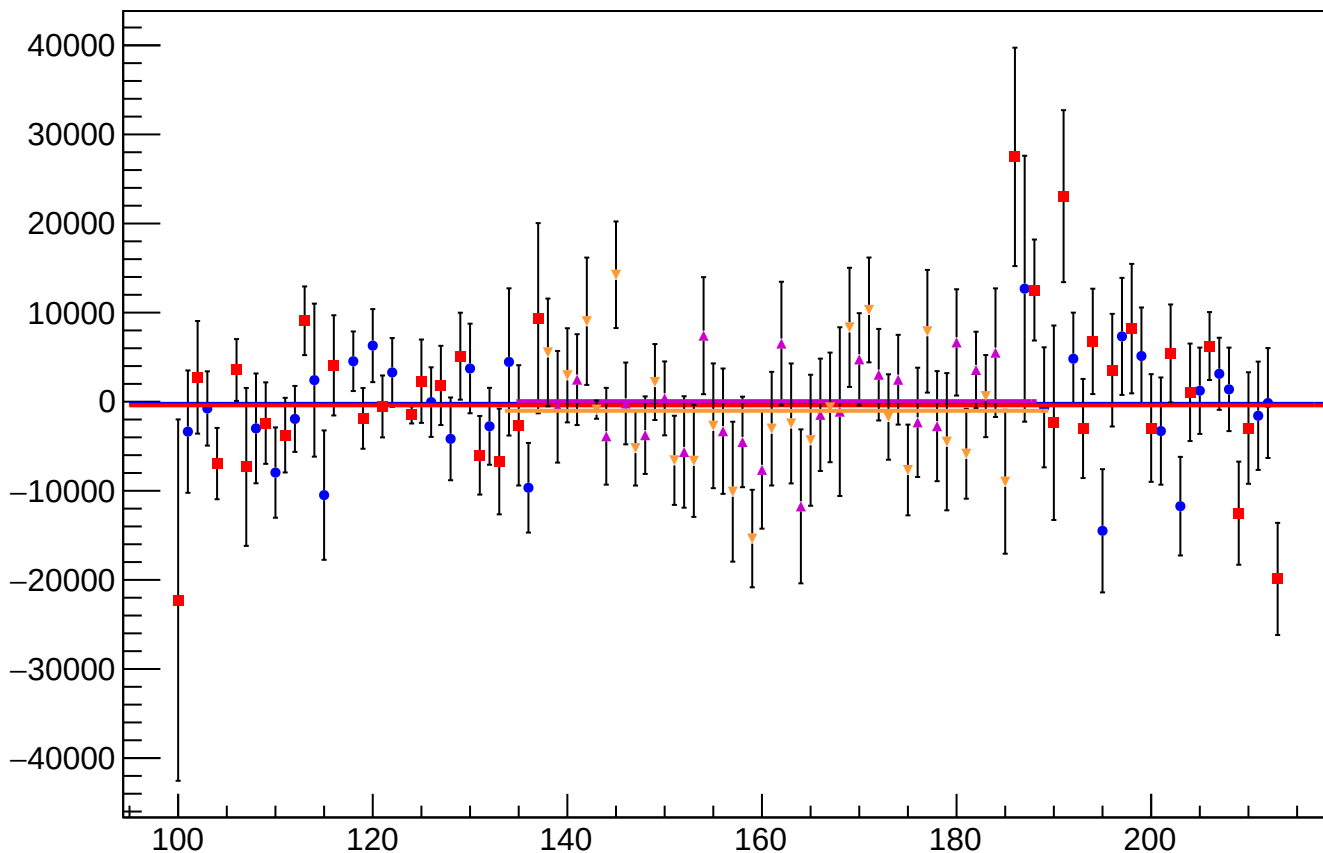
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1810.904+/-0.213 χ^2/NDF : 1051949.3/53

All: 1808.480+/-0.150 χ^2/NDF : 1797139.2/11

- sign 1806.100+/-0.211 χ^2/NDF : 744932.3/56

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -241.768 ± 940.939 χ^2/NDF : 29.7/28

Left Out: -1018.861 ± 771.816 χ^2/NDF : 33.7/24

Right Out: -407.860 ± 658.829 χ^2/NDF : 58.9/33

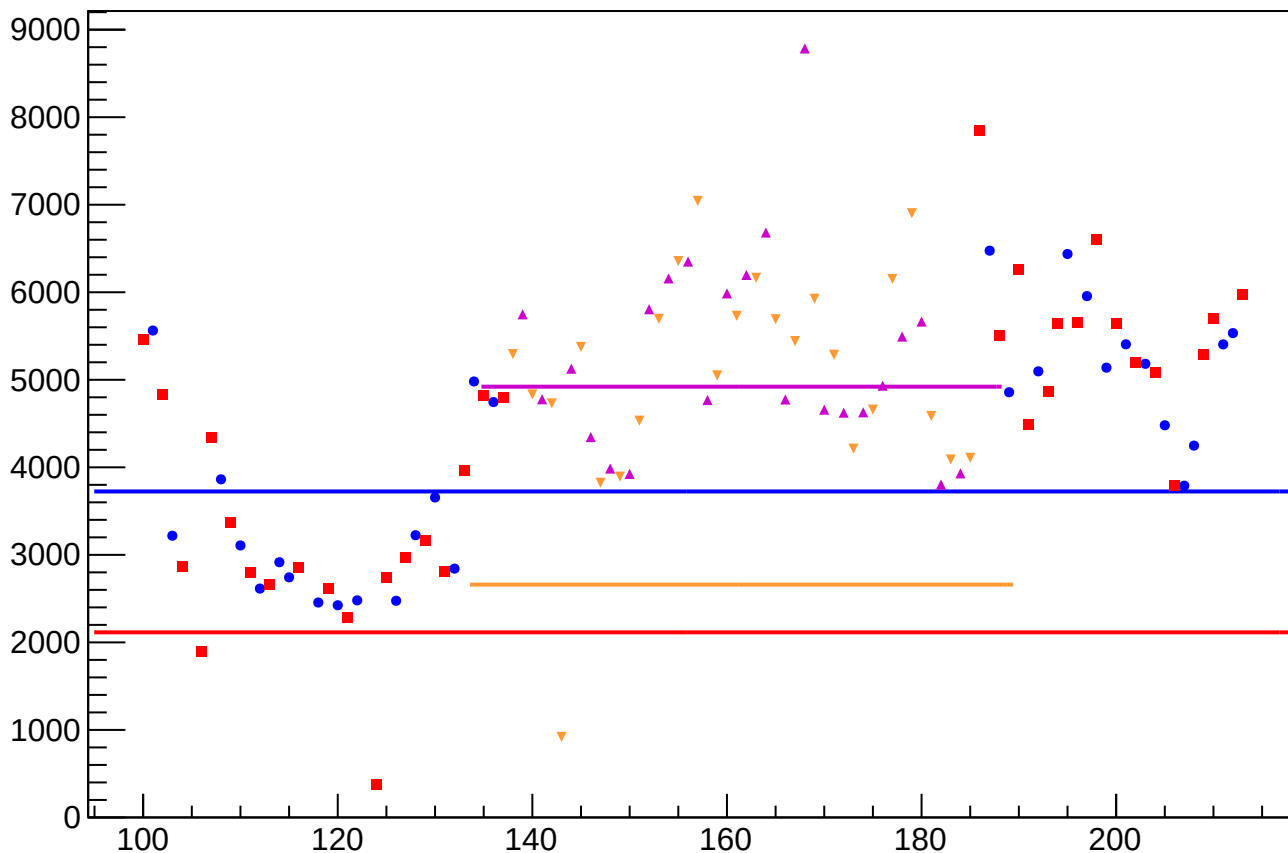
Left In: 62.369 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -706.306 ± 596.744 χ^2/NDF : 63.9/53

All: -492.917 ± 413.864 χ^2/NDF : 136.2/110

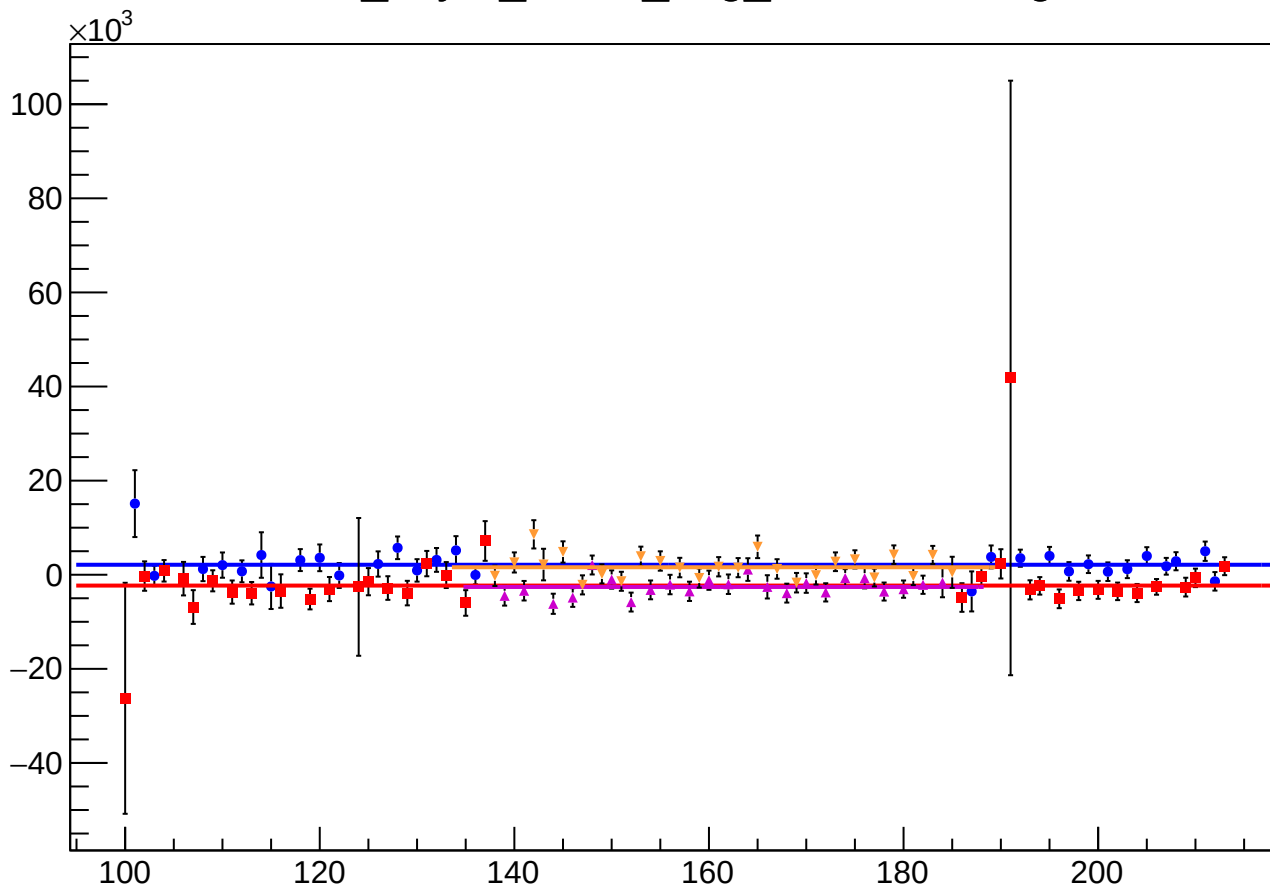
- sign -295.156 ± 574.476 χ^2/NDF : 72.1/56

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3724.365+/-0.665	χ^2/NDF : 3207725.3/28	+ sign 3088.104+/-0.422	χ^2/NDF : 19273580.1/53
Left Out: 2660.009+/-0.546	χ^2/NDF : 14536074.6/24	All: 2932.147+/-0.293	χ^2/NDF : 46420163.8/1
Right Out: 2114.997+/-0.466	χ^2/NDF : 16934884.5/33	- sign 2787.612+/-0.406	χ^2/NDF : 26883380.8/56
Left In: 4921.319+/-0.830	χ^2/NDF : 1251123.1/22		

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2121.362 ± 427.175 χ^2/NDF : 23.6/28

Left Out: 1592.431 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -2303.099 ± 414.290 χ^2/NDF : 32.7/33

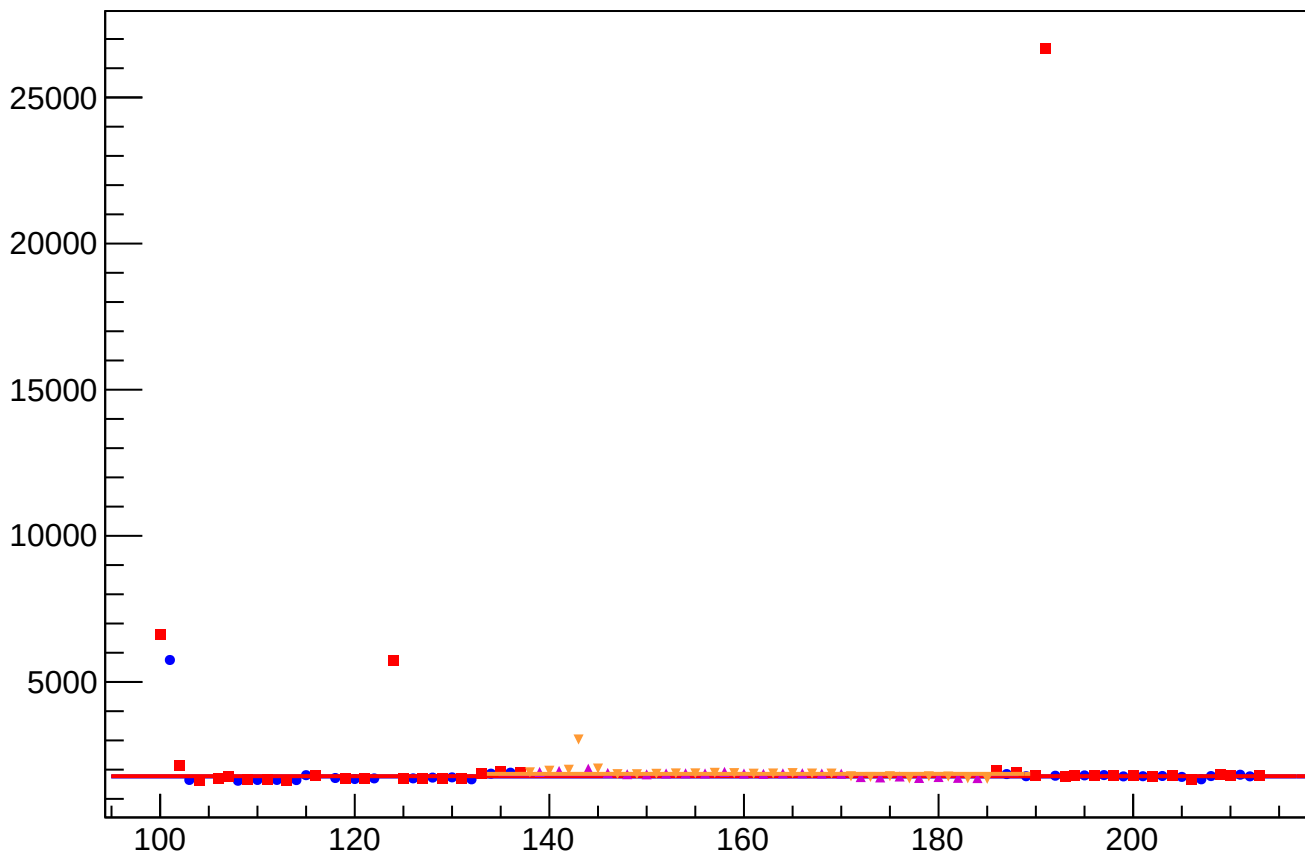
Left In: -2597.812 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1854.486 ± 300.678 χ^2/NDF : 55.6/53

All: -311.221 ± 211.818 χ^2/NDF : 211.6/110

- sign -2444.873 ± 298.445 χ^2/NDF : 53.0/56

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1765.427 $\pm$ 0.302 χ^2 /NDF: 682756.3/28

Left Out: 1855.560 $\pm$ 0.299 χ^2 /NDF: 324267.7/24

Right Out: 1776.747 $\pm$ 0.293 χ^2 /NDF: 639965.6/33

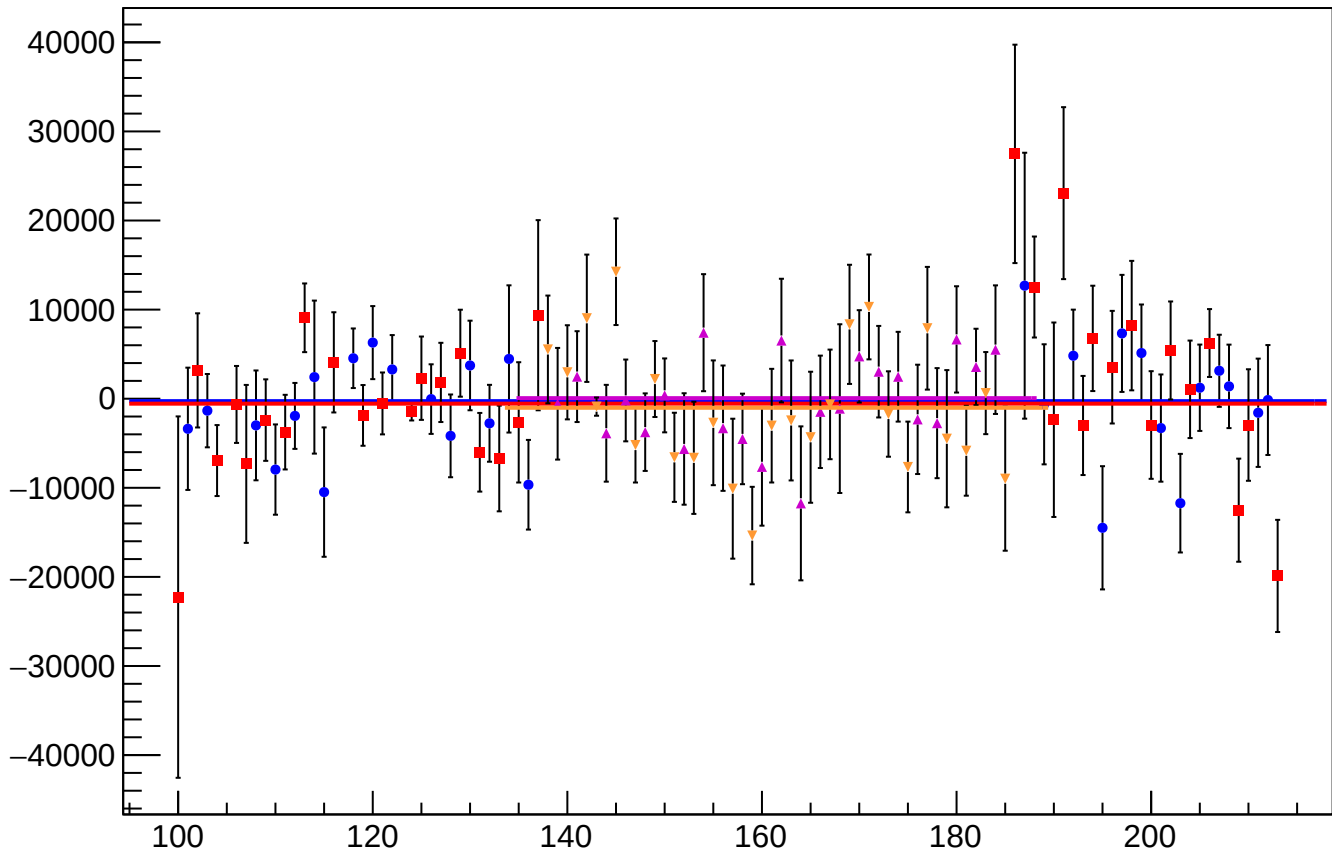
Left In: 1840.981 $\pm$ 0.304 χ^2 /NDF: 70985.8/22

+ sign 1810.904 $\pm$ 0.213 χ^2 /NDF: 1051949.7/53

All: 1809.238 $\pm$ 0.150 χ^2 /NDF: 1786185.0/11

- sign 1807.599 $\pm$ 0.211 χ^2 /NDF: 734113.4/56

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -273.314 ± 940.317 χ^2/NDF : 29.8/28

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -556.603 ± 663.101 χ^2/NDF : 57.6/33

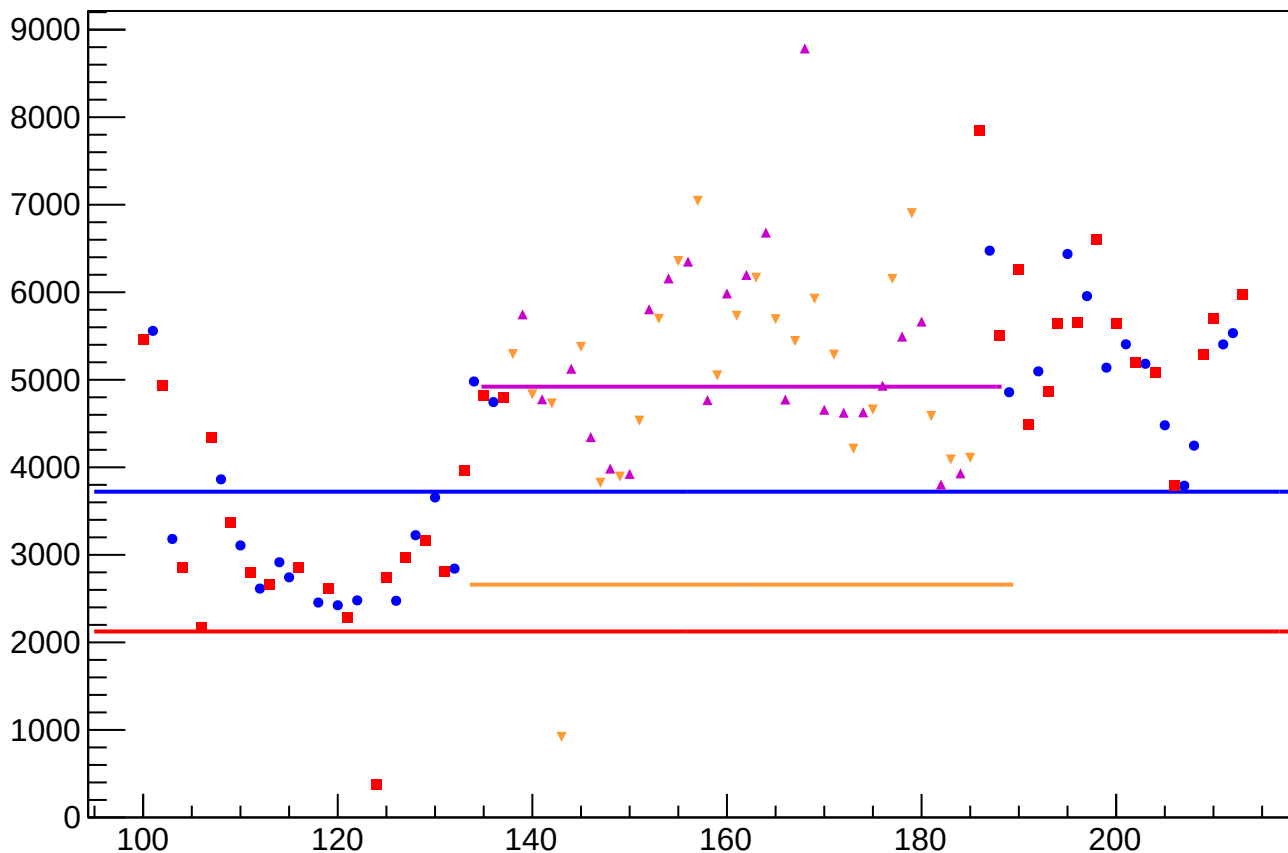
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -718.676 ± 596.577 χ^2/NDF : 63.9/53

All: -557.621 ± 414.861 χ^2/NDF : 134.9/110

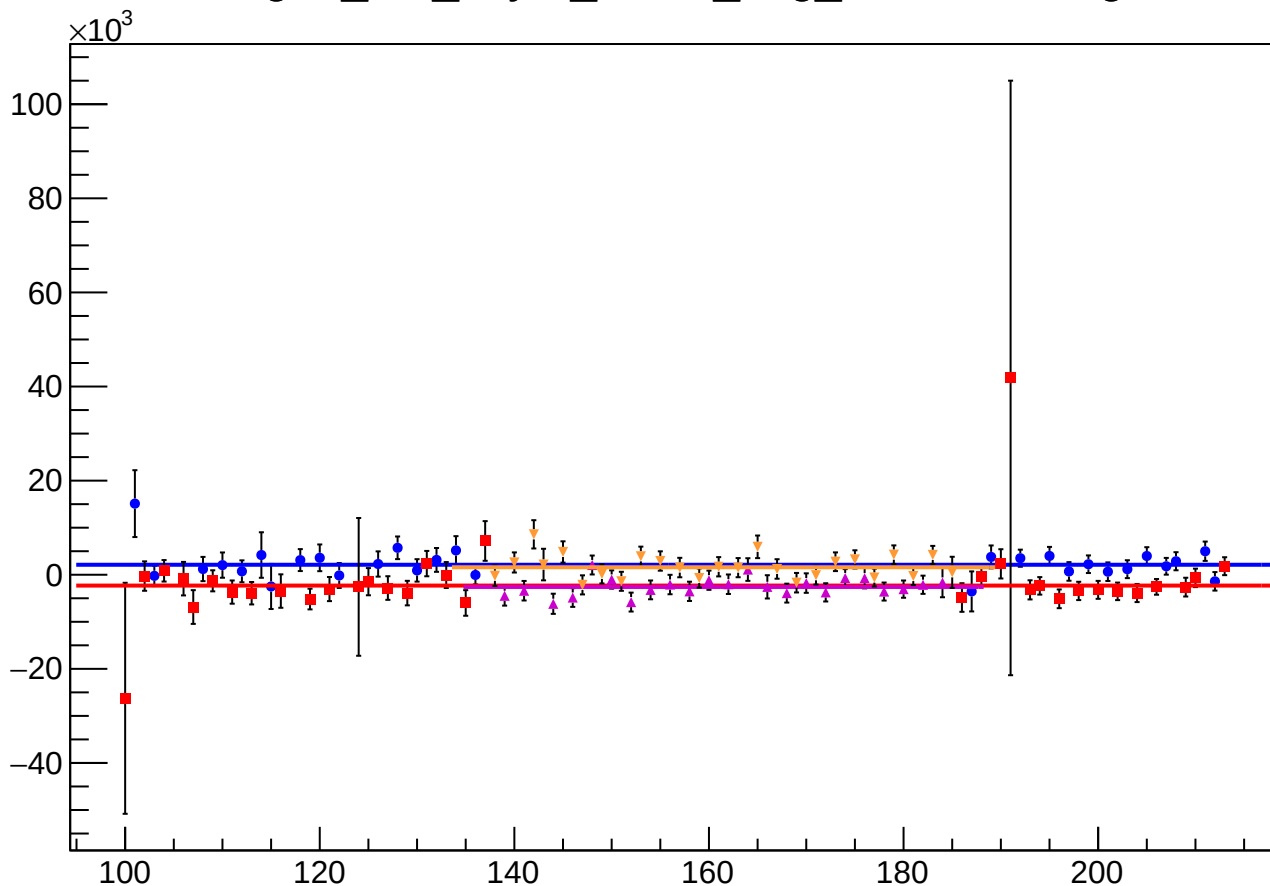
- sign -406.806 ± 577.301 χ^2/NDF : 70.9/56

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3721.767+/-0.665	χ^2/NDF : 3212592.8/28	+ sign 3087.324+/-0.422	χ^2/NDF : 19273253.5/53
Left Out: 2659.907+/-0.546	χ^2/NDF : 14536813.3/24	All: 2939.688+/-0.293	χ^2/NDF : 46315409.9/1
Right Out: 2124.488+/-0.469	χ^2/NDF : 16942059.3/33	- sign 2801.438+/-0.408	χ^2/NDF : 26804973.1/56
Left In: 4921.316+/-0.830	χ^2/NDF : 1251131.6/22		

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2121.362 $\pm$ 427.175 χ^2 /NDF: 23.6/28

Left Out: 1592.431 $\pm$ 423.298 χ^2 /NDF:31.3/24

Right Out: -2303.099 $\pm$ 414.290 χ^2 /NDF: 32.7/33

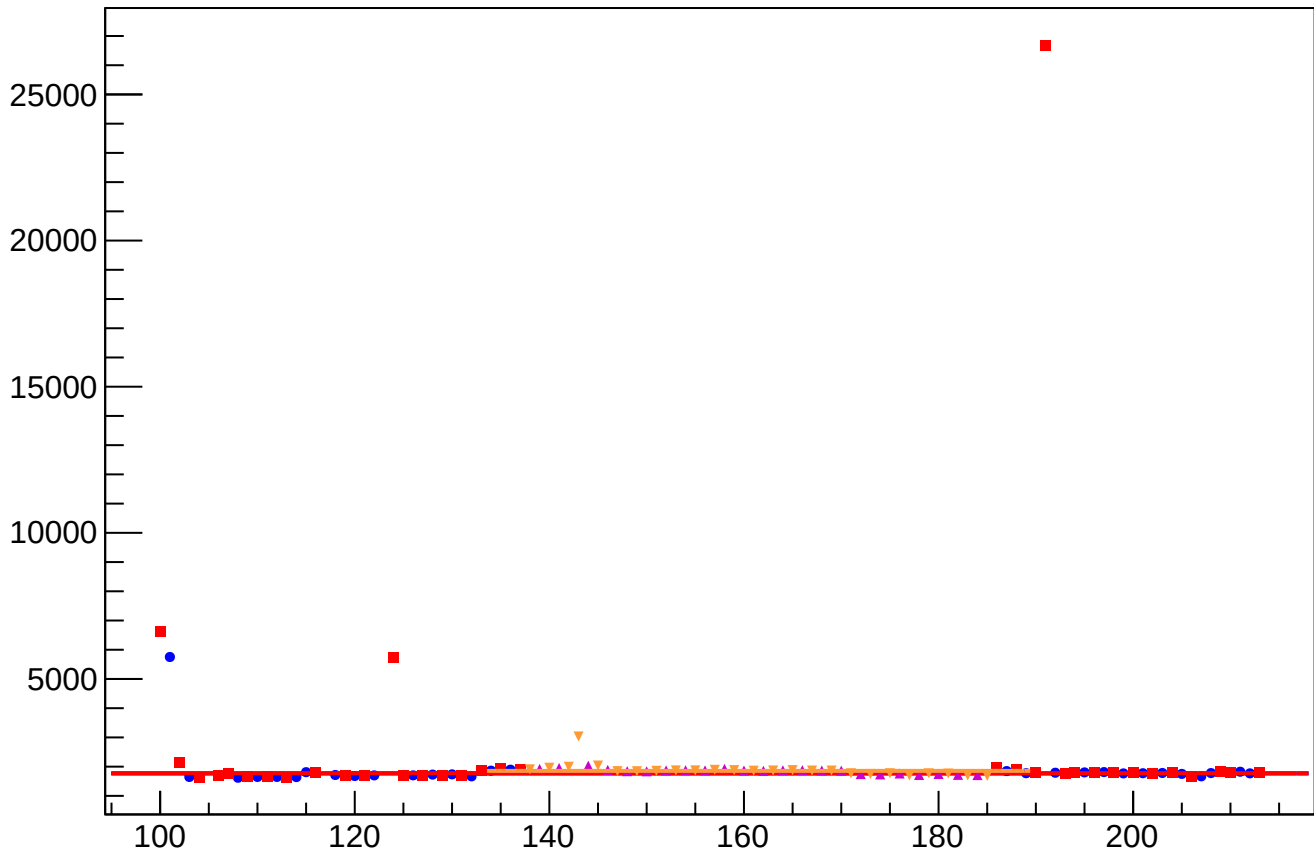
Left In: -2597.812 $\pm$ 430.293 χ^2 /NDF:20.1/22

+ sign 1854.486 $\pm$ 300.678 χ^2 /NDF: 55.6/53

All: -311.221 $\pm$ 211.818 χ^2 /NDF: 211.6/110

- sign -2444.873 $\pm$ 298.445 χ^2 /NDF: 53.0/56

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1765.427 $\pm$ 0.302 χ^2 /NDF: 682756.3/28

Left Out: 1855.560 $\pm$ 0.299 χ^2 /NDF: 324267.7/24

Right Out: 1776.747 $\pm$ 0.293 χ^2 /NDF: 639965.6/33

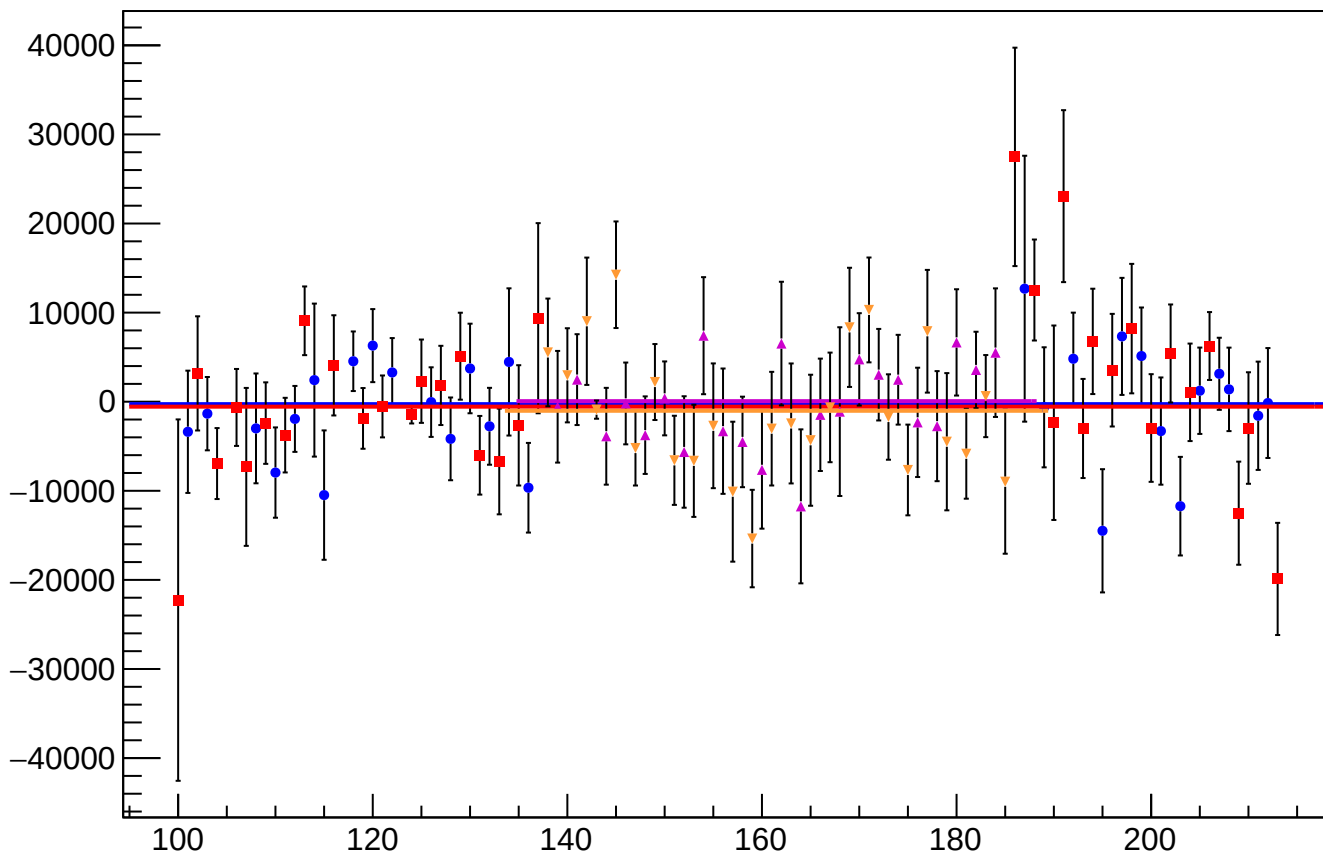
Left In: 1840.981 $\pm$ 0.304 χ^2 /NDF: 70985.8/22

+ sign 1810.904 $\pm$ 0.213 χ^2 /NDF: 1051949.7/53

All: 1809.238 $\pm$ 0.150 χ^2 /NDF: 1786185.0/11

- sign 1807.599 $\pm$ 0.211 χ^2 /NDF: 734113.4/56

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -273.314 ± 940.317 χ^2/NDF : 29.8/28

Left Out: -1018.712 ± 771.798 χ^2/NDF : 33.7/24

Right Out: -556.603 ± 663.101 χ^2/NDF : 57.6/33

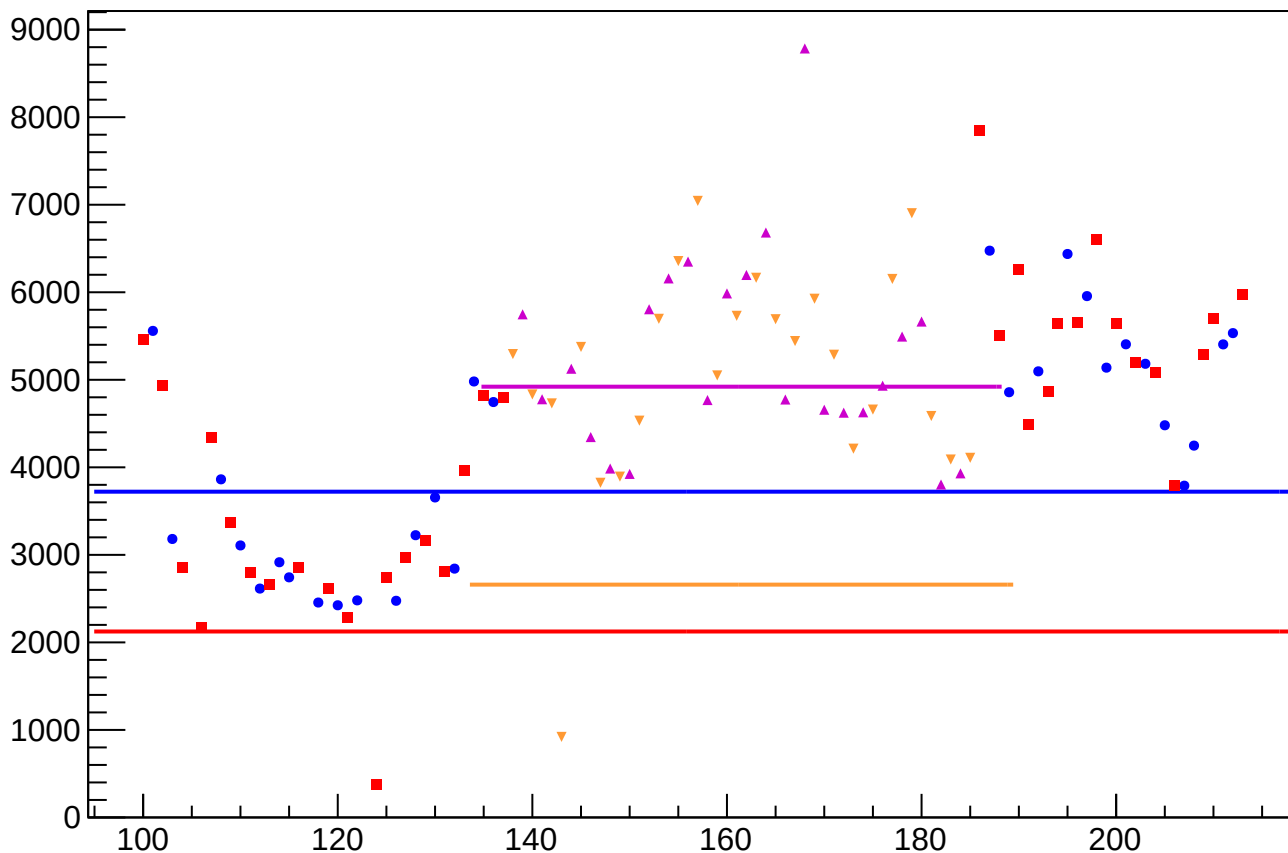
Left In: 62.286 ± 1173.429 χ^2/NDF : 13.0/22

+ sign -718.676 ± 596.577 χ^2/NDF : 63.9/53

All: -557.621 ± 414.861 χ^2/NDF : 134.9/110

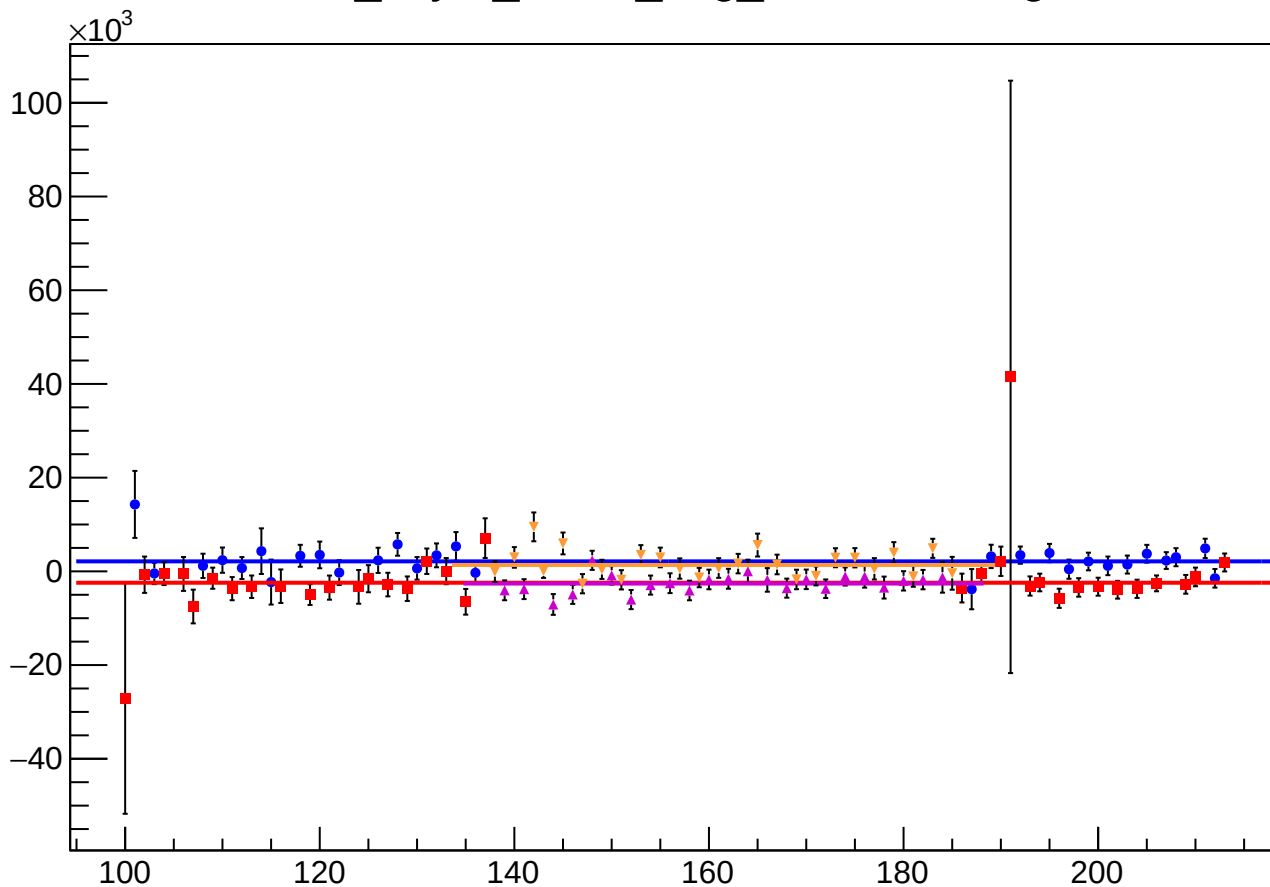
- sign -406.806 ± 577.301 χ^2/NDF : 70.9/56

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3721.767+/-0.665	χ^2/NDF : 3212592.8/28	+ sign 3087.324+/-0.422	χ^2/NDF : 19273253.5/53
Left Out: 2659.907+/-0.546	χ^2/NDF : 14536813.3/24	All: 2939.688+/-0.293	χ^2/NDF : 46315409.9/1
Right Out: 2124.488+/-0.469	χ^2/NDF : 16942059.3/33	- sign 2801.438+/-0.408	χ^2/NDF : 26804973.1/56
Left In: 4921.316+/-0.830	χ^2/NDF : 1251131.6/22		

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2133.158 ± 431.682 χ^2/NDF : 23.0/28

Left Out: 1363.887 ± 427.332 χ^2/NDF : 36.1/24

Right Out: -2429.562 ± 417.405 χ^2/NDF : 31.0/33

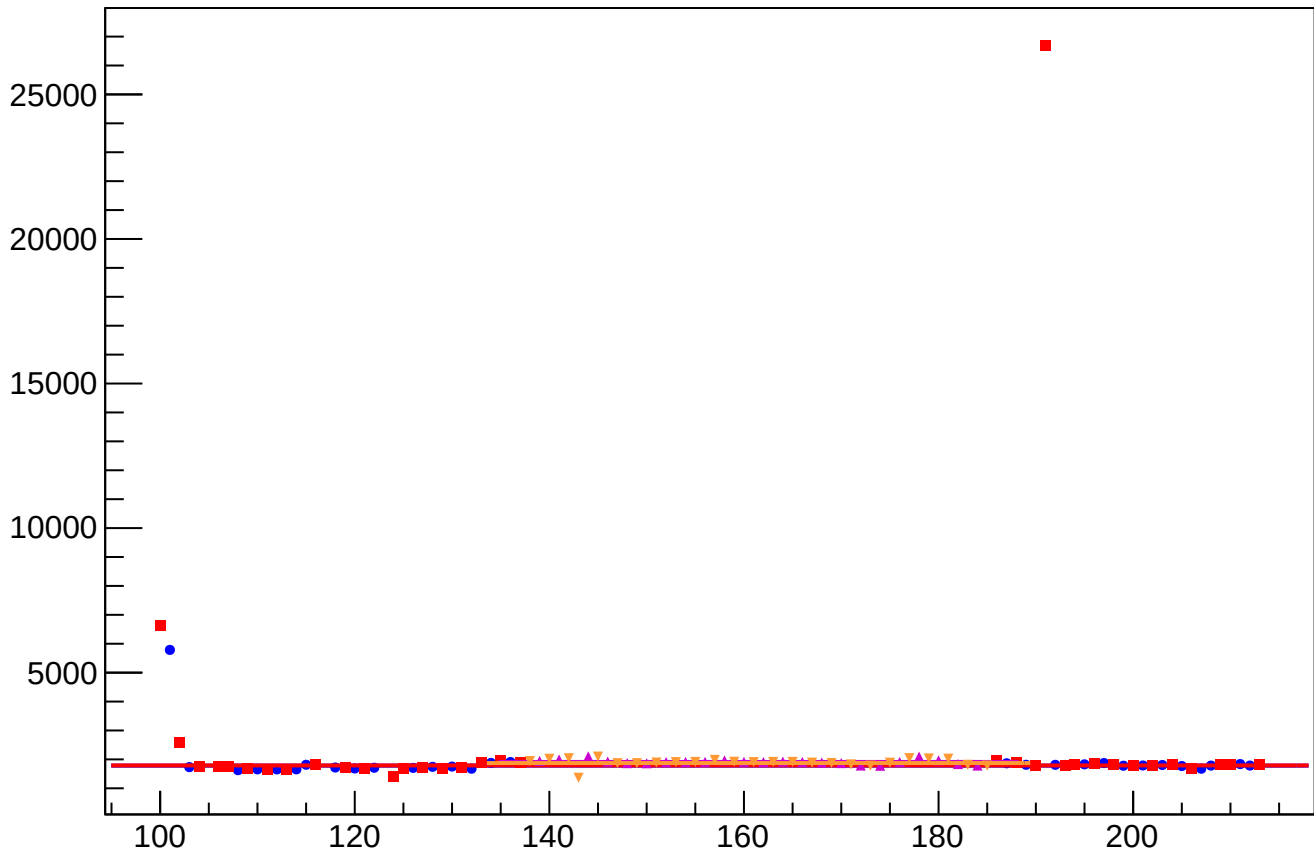
Left In: -2602.835 ± 446.741 χ^2/NDF : 20.0/22

+ sign 1744.627 ± 303.696 χ^2/NDF : 60.7/53

All: -373.772 ± 215.203 χ^2/NDF : 209.6/110

- sign -2510.323 ± 304.994 χ^2/NDF : 51.1/56

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1783.840+/-0.305 χ^2/NDF : 683633.7/28

Left Out: 1873.177+/-0.302 χ^2/NDF : 309733.7/24

Right Out: 1790.479+/-0.295 χ^2/NDF : 563167.1/33

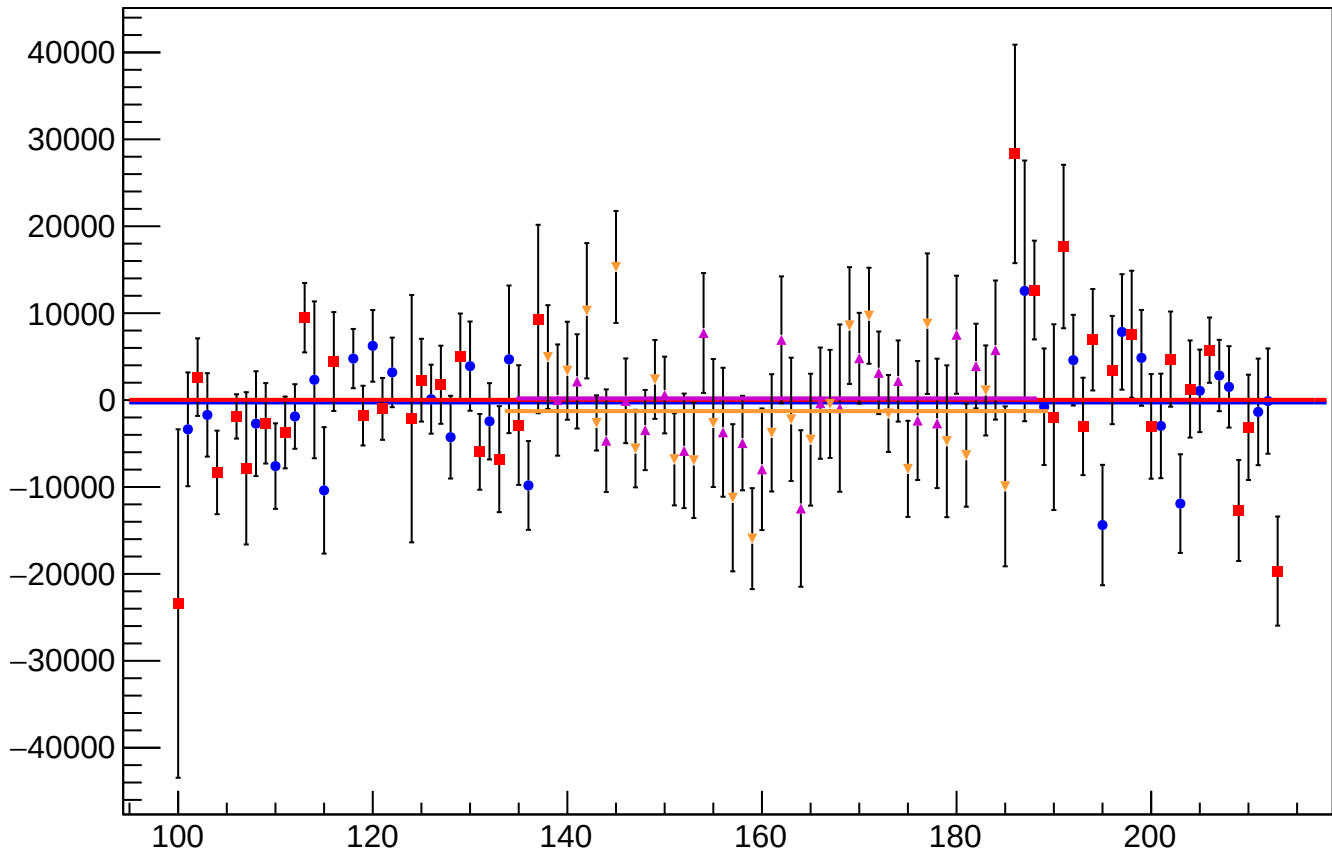
Left In: 1911.423+/-0.316 χ^2/NDF : 59139.8/22

+ sign 1828.961+/-0.215 χ^2/NDF : 1036629.9/53

All: 1837.841+/-0.152 χ^2/NDF : 1740709.8/11

- sign 1846.786+/-0.216 χ^2/NDF : 700647.9/56

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -274.715+/-954.371 χ^2/NDF : 29.1/28

Left Out: -1269.760+/-1156.132 χ^2/NDF : 33.4/24

Right Out: 30.654+/-882.680 χ^2/NDF : 54.2/33

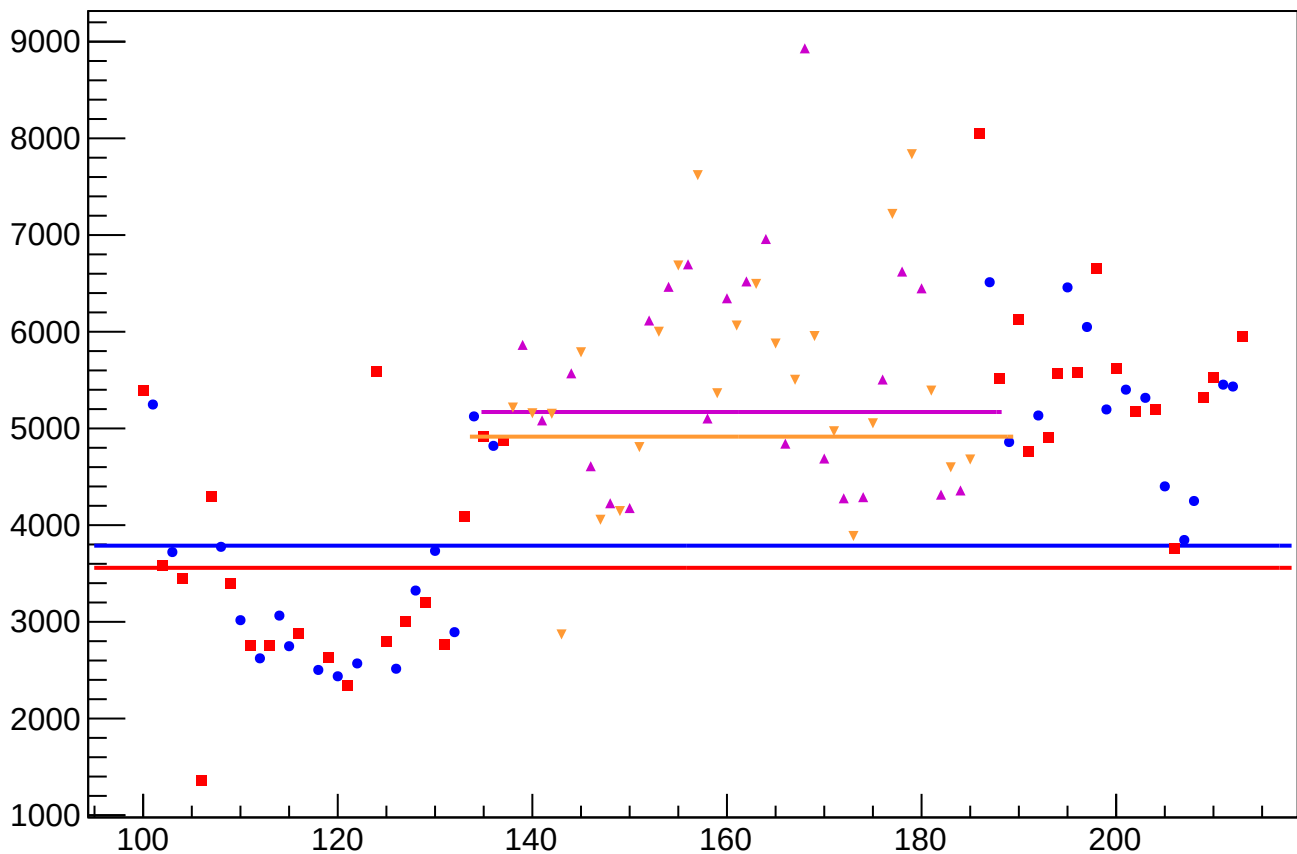
Left In: 196.917+/-1234.538 χ^2/NDF : 12.7/22

+ sign -677.974+/-736.001 χ^2/NDF : 63.0/53

All: -286.086+/-513.959 χ^2/NDF : 130.5/110

- sign 86.897+/-718.027 χ^2/NDF : 67.0/56

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3787.723+/-0.675 χ^2/NDF : 3070153.4/28

Left Out: 4915.244+/-0.818 χ^2/NDF : 2166229.1/24

Right Out: 3558.564+/-0.624 χ^2/NDF : 5244691.6/33

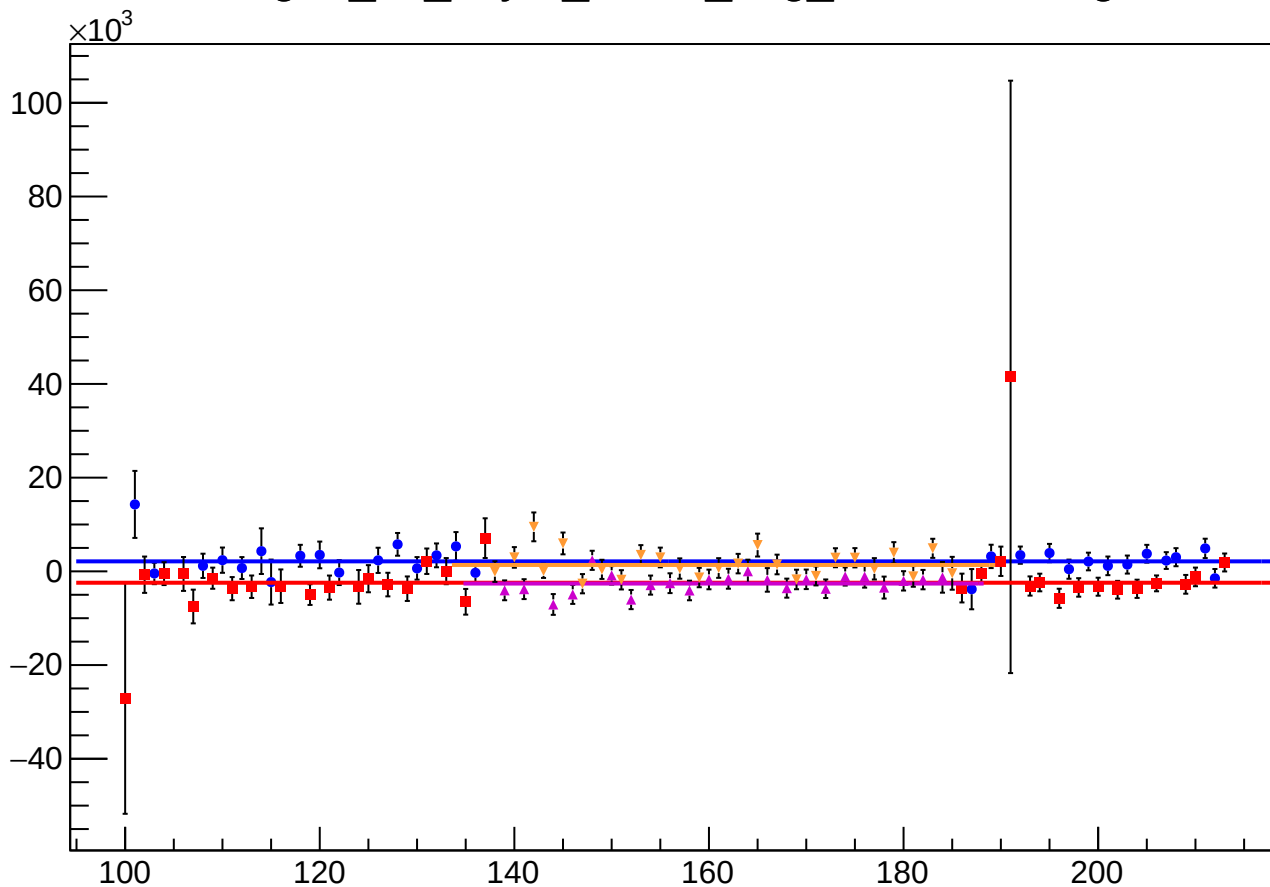
Left In: 5170.028+/-0.873 χ^2/NDF : 1348711.3/22

+ sign 4244.671+/-0.520 χ^2/NDF : 6367705.1/53

All: 4172.436+/-0.363 χ^2/NDF : 15253663.4/100

- sign 4103.686+/-0.508 χ^2/NDF : 8848357.9/56

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2133.159 ± 431.682 χ^2/NDF : 23.0/28

Left Out: 1363.884 ± 427.333 χ^2/NDF : 36.1/24

Right Out: -2429.558 ± 417.405 χ^2/NDF : 31.0/33

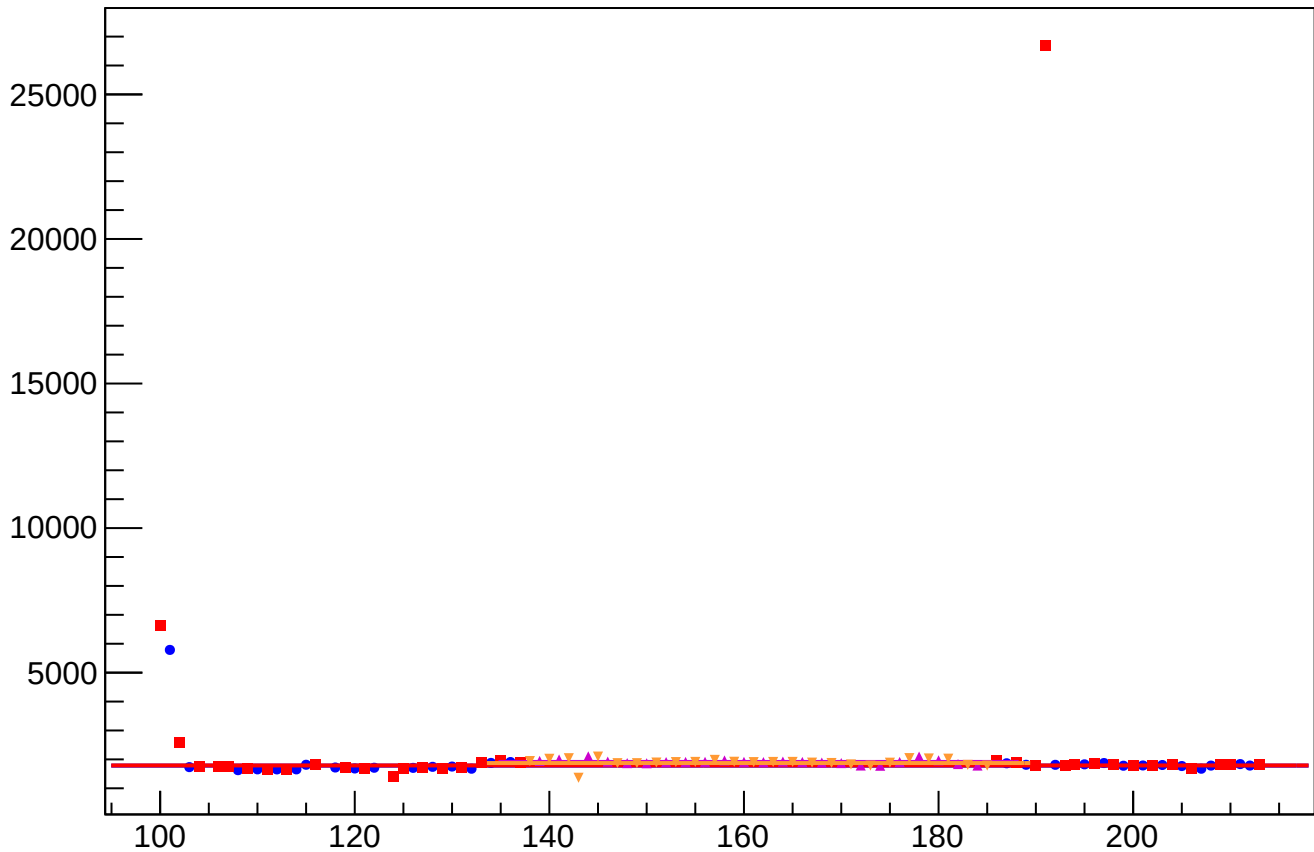
Left In: -2602.834 ± 446.742 χ^2/NDF : 20.0/22

+ sign 1744.626 ± 303.696 χ^2/NDF : 60.7/53

All: -373.771 ± 215.203 χ^2/NDF : 209.6/110

- sign -2510.321 ± 304.994 χ^2/NDF : 51.1/56

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1783.840+/-0.305 χ^2/NDF : 683633.7/28

Left Out: 1873.178+/-0.302 χ^2/NDF : 309737.2/24

Right Out: 1790.479+/-0.295 χ^2/NDF : 563167.1/33

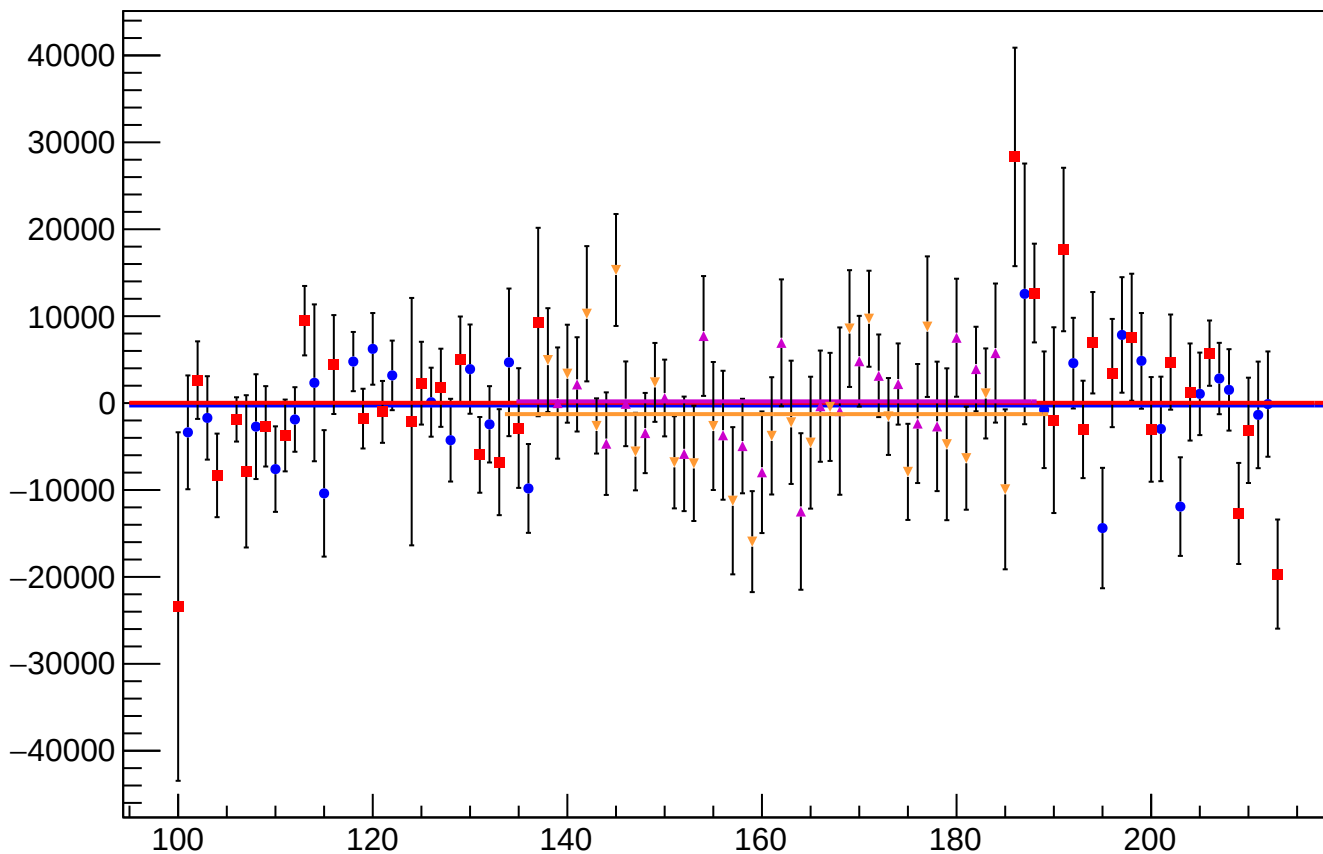
Left In: 1911.425+/-0.316 χ^2/NDF : 59142.0/22

+ sign 1828.962+/-0.215 χ^2/NDF : 1036634.3/53

All: 1837.841+/-0.152 χ^2/NDF : 1740718.1/11

- sign 1846.786+/-0.216 χ^2/NDF : 700651.8/56

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -274.710 ± 954.370 χ^2/NDF : 29.1/28

Left Out: -1269.765 ± 1156.133 χ^2/NDF : 33.4/24

Right Out: 30.649 ± 882.678 χ^2/NDF : 54.2/33

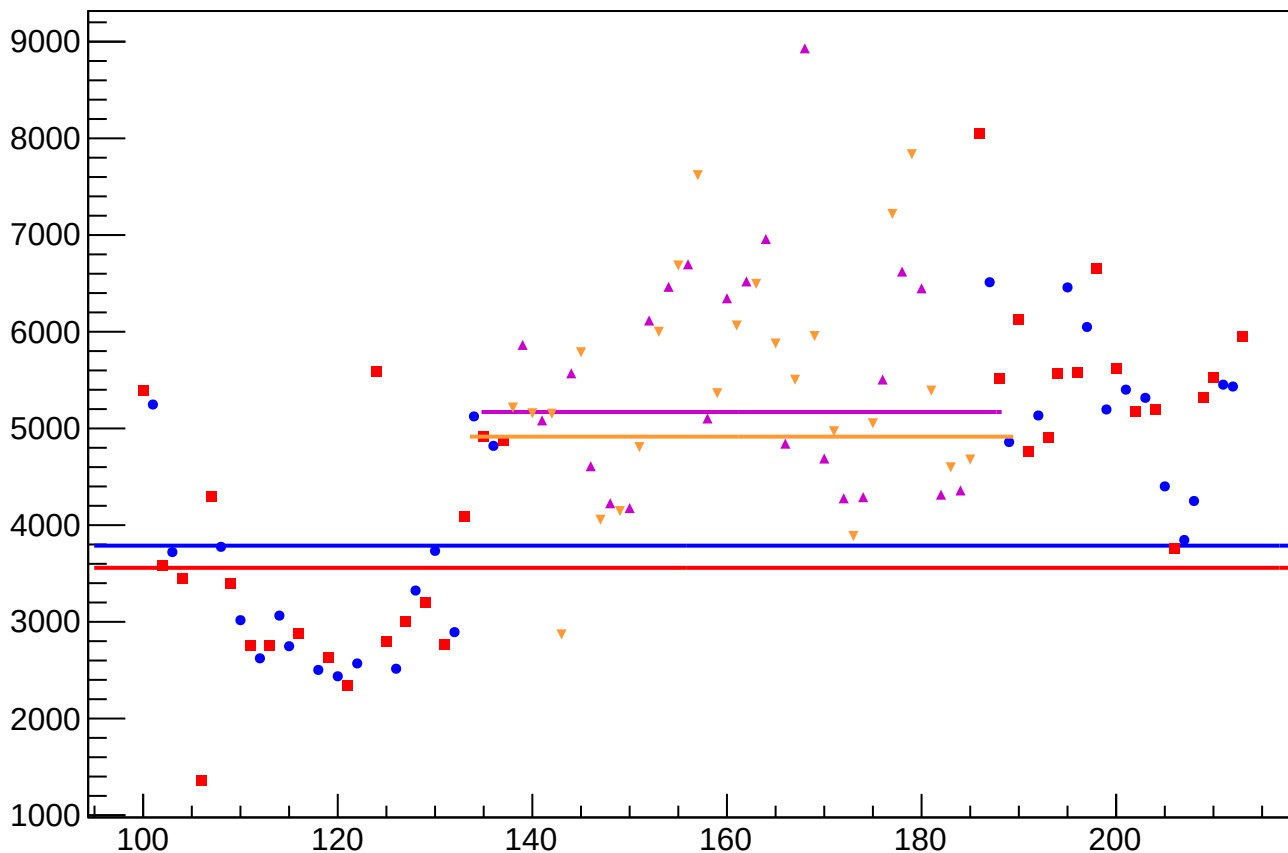
Left In: 196.918 ± 1234.540 χ^2/NDF : 12.7/22

+ sign -677.973 ± 736.001 χ^2/NDF : 63.0/53

All: -286.086 ± 513.959 χ^2/NDF : 130.5/110

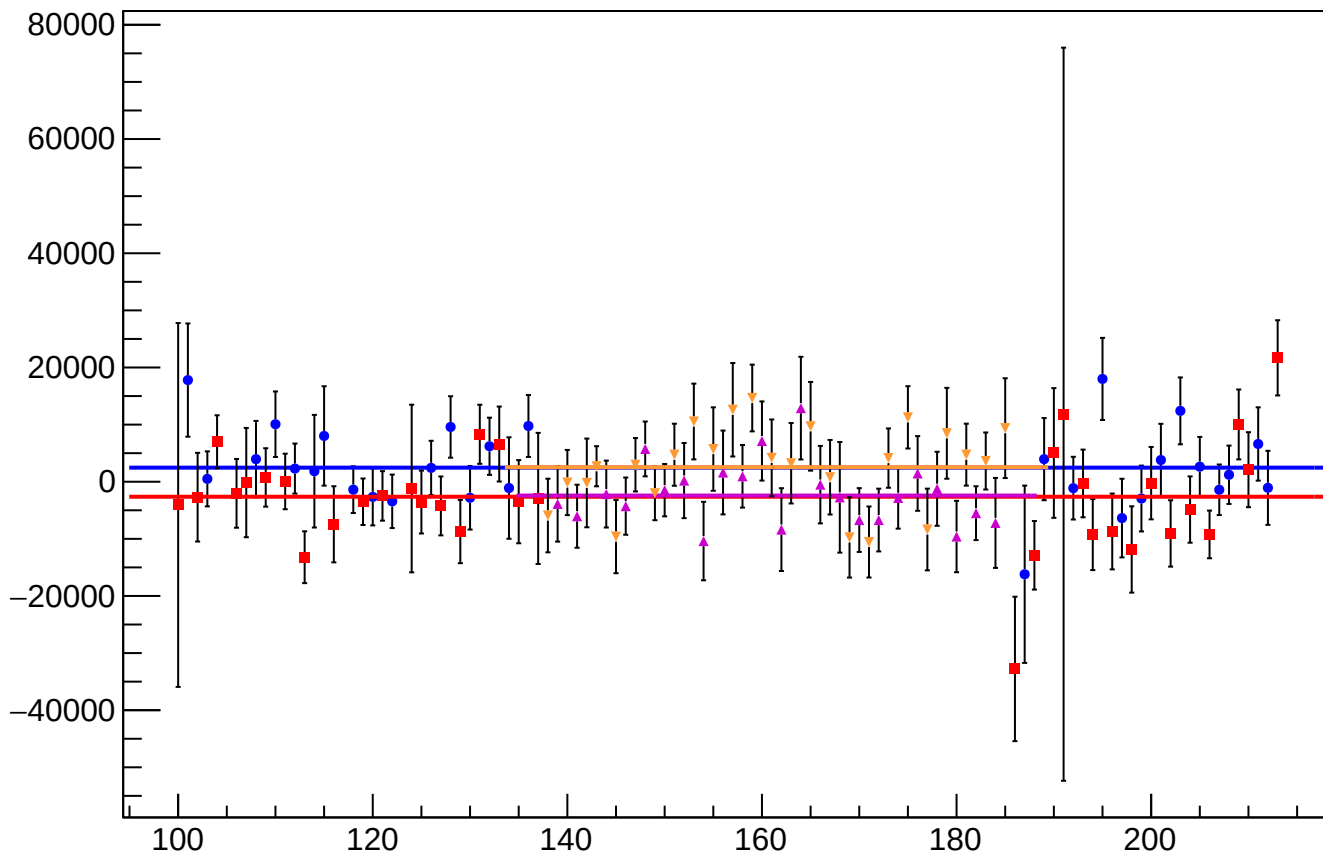
- sign 86.894 ± 718.027 χ^2/NDF : 67.0/56

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3787.716+/-0.675	χ^2/NDF : 3070204.8/28	+ sign 4244.668+/-0.520	χ^2/NDF : 6367789.5/53
Left Out: 4915.251+/-0.818	χ^2/NDF : 2166236.2/24	All: 4172.431+/-0.363	χ^2/NDF : 15253880.3/1
Right Out: 3558.553+/-0.624	χ^2/NDF : 5244767.9/33	- sign 4103.678+/-0.508	χ^2/NDF : 8848488.0/56
Left In: 5170.035+/-0.873	χ^2/NDF : 1348713.2/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2465.004 $\pm$ 1065.426 χ^2 /NDF: 27.1/28

Left Out: 2547.072 $\pm$ 1187.668 χ^2 /NDF:29.1/24

Right Out: -2627.170 $\pm$ 1045.985 χ^2 /NDF: 54.2/33

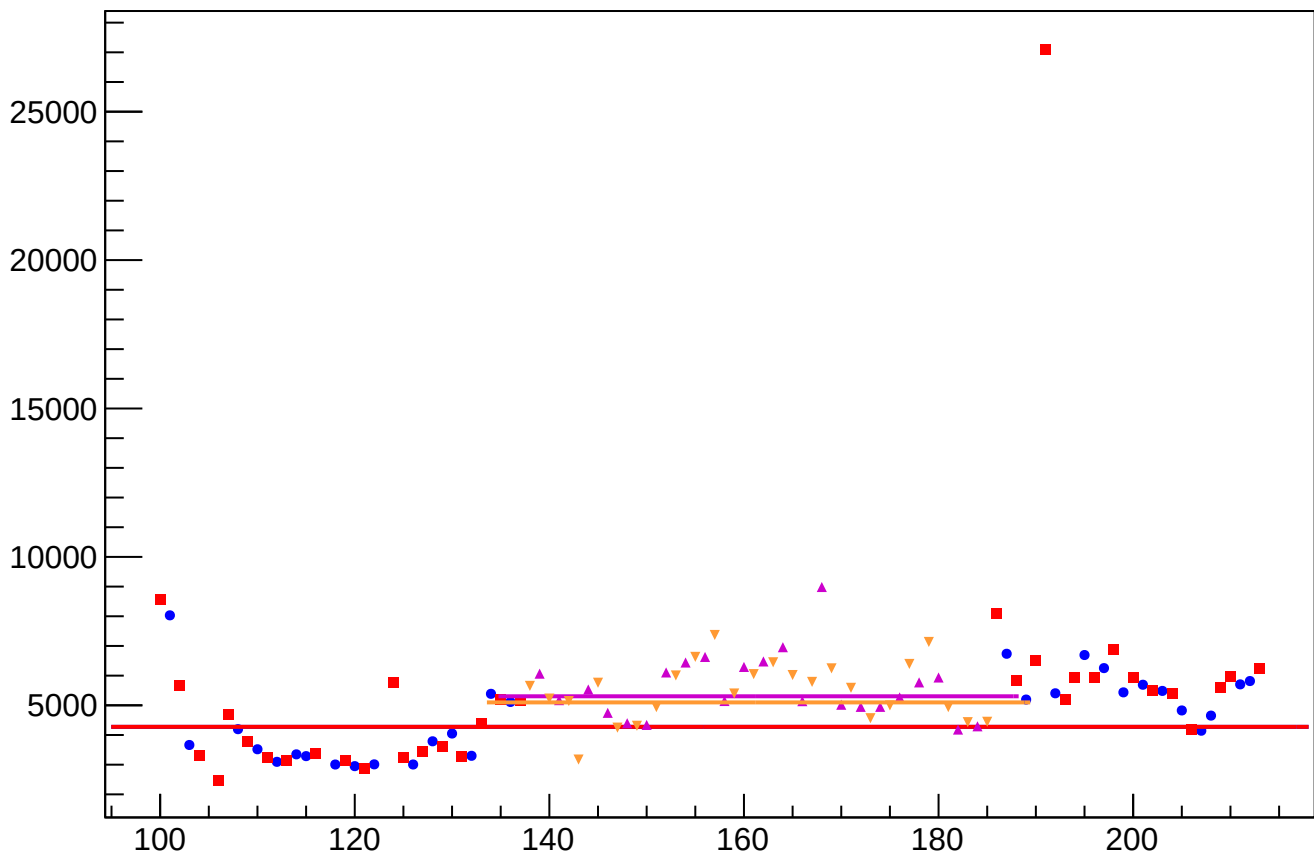
Left In: -2423.016 $\pm$ 1259.653 χ^2 /NDF:15.0/22

+ sign 2501.598 $\pm$ 793.078 χ^2 /NDF: 56.2/53

All: 15.627 $\pm$ 564.861 χ^2 /NDF: 145.3/110

- sign -2543.852 $\pm$ 804.717 χ^2 /NDF: 69.2/56

asym_atr1l2_avg_rms vs Slug



Right In: 4273.649+/-0.753 χ^2/NDF : 2414846.2/28

Left Out: 5097.995+/-0.840 χ^2/NDF : 1544385.5/24

Right Out: 4275.040+/-0.733 χ^2/NDF : 3338231.5/33

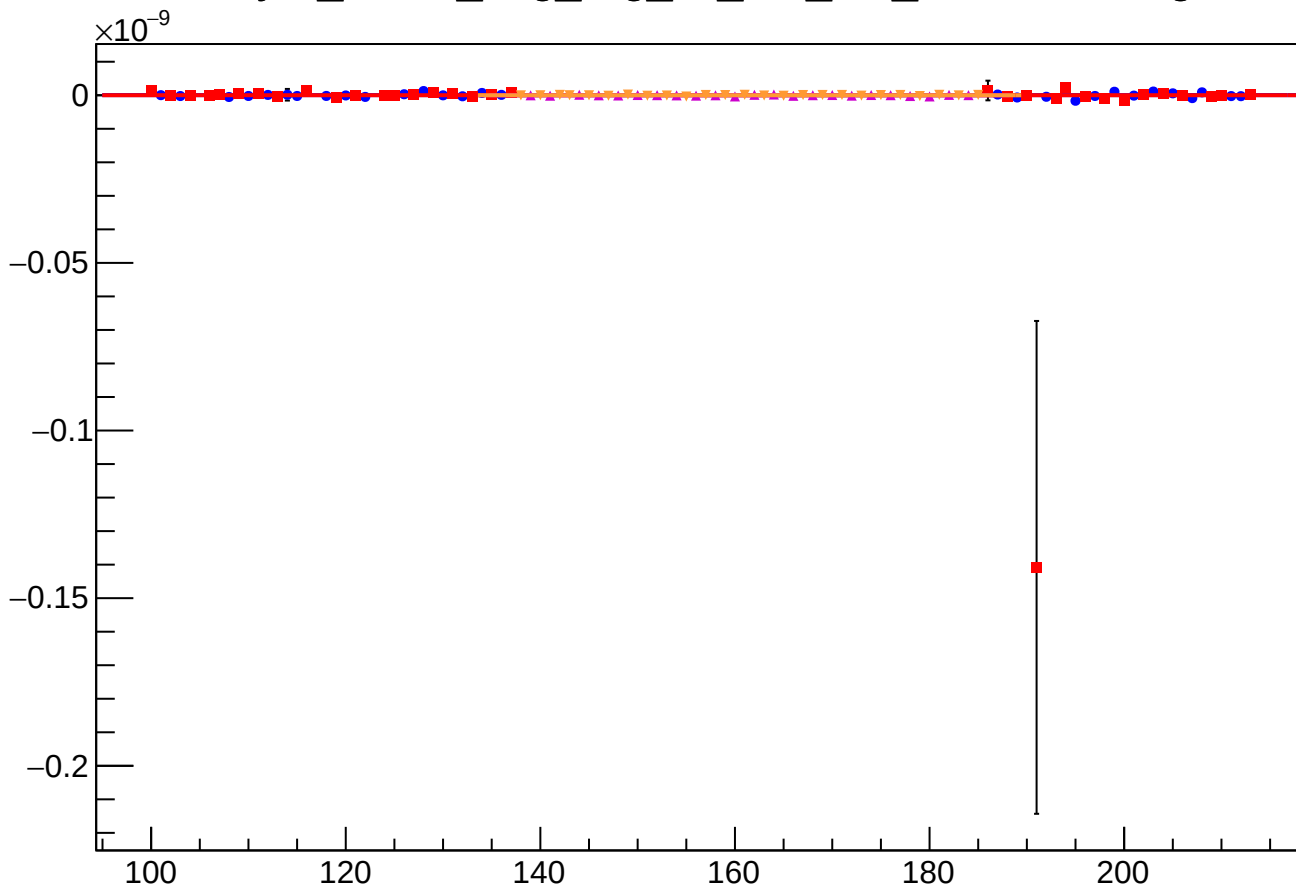
Left In: 5304.171+/-0.891 χ^2/NDF : 1017974.6/22

+ sign 4641.228+/-0.561 χ^2/NDF : 4493112.8/53

All: 4665.565+/-0.398 χ^2/NDF : 9649363.7/11

- sign 4690.342+/-0.566 χ^2/NDF : 5152450.1/56

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.2/33

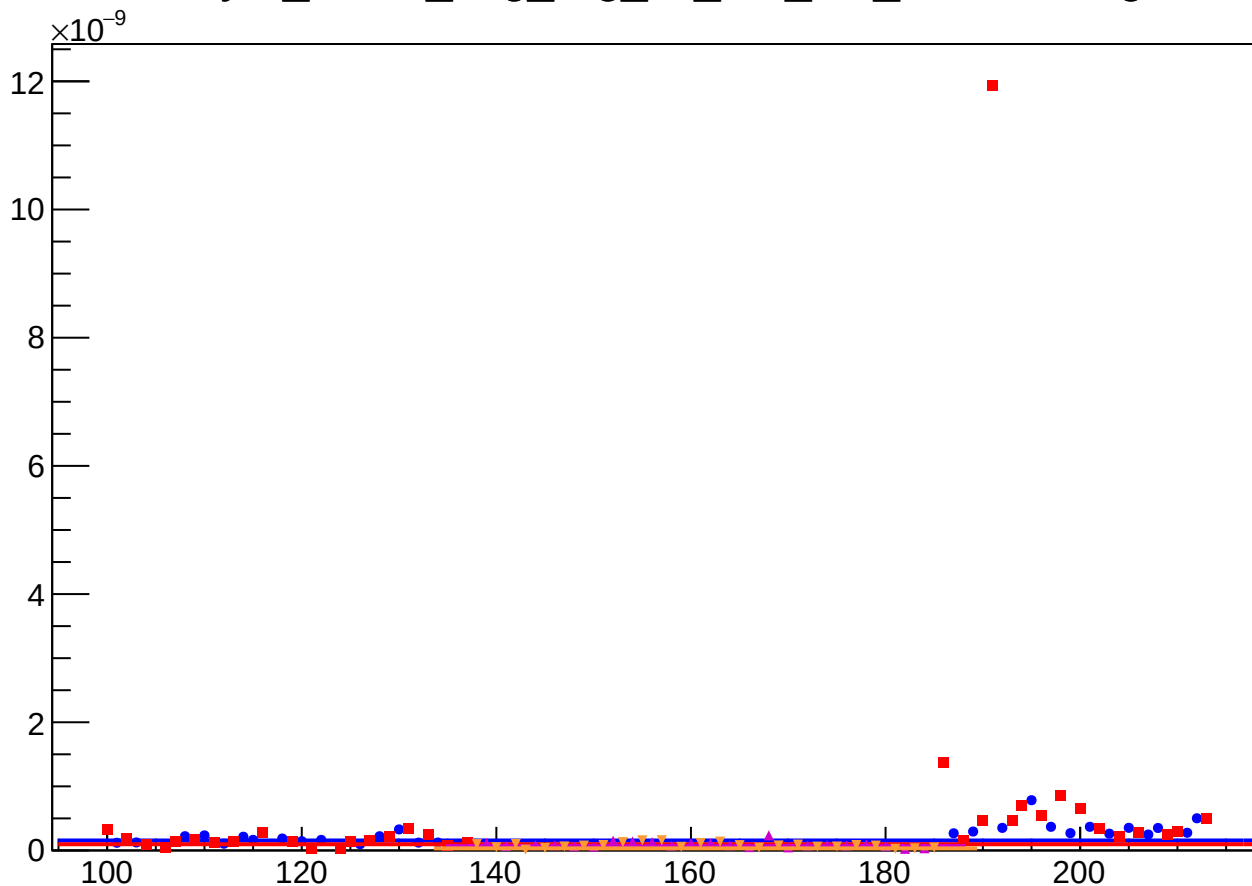
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.1/56

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3505203.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8103387.5/33

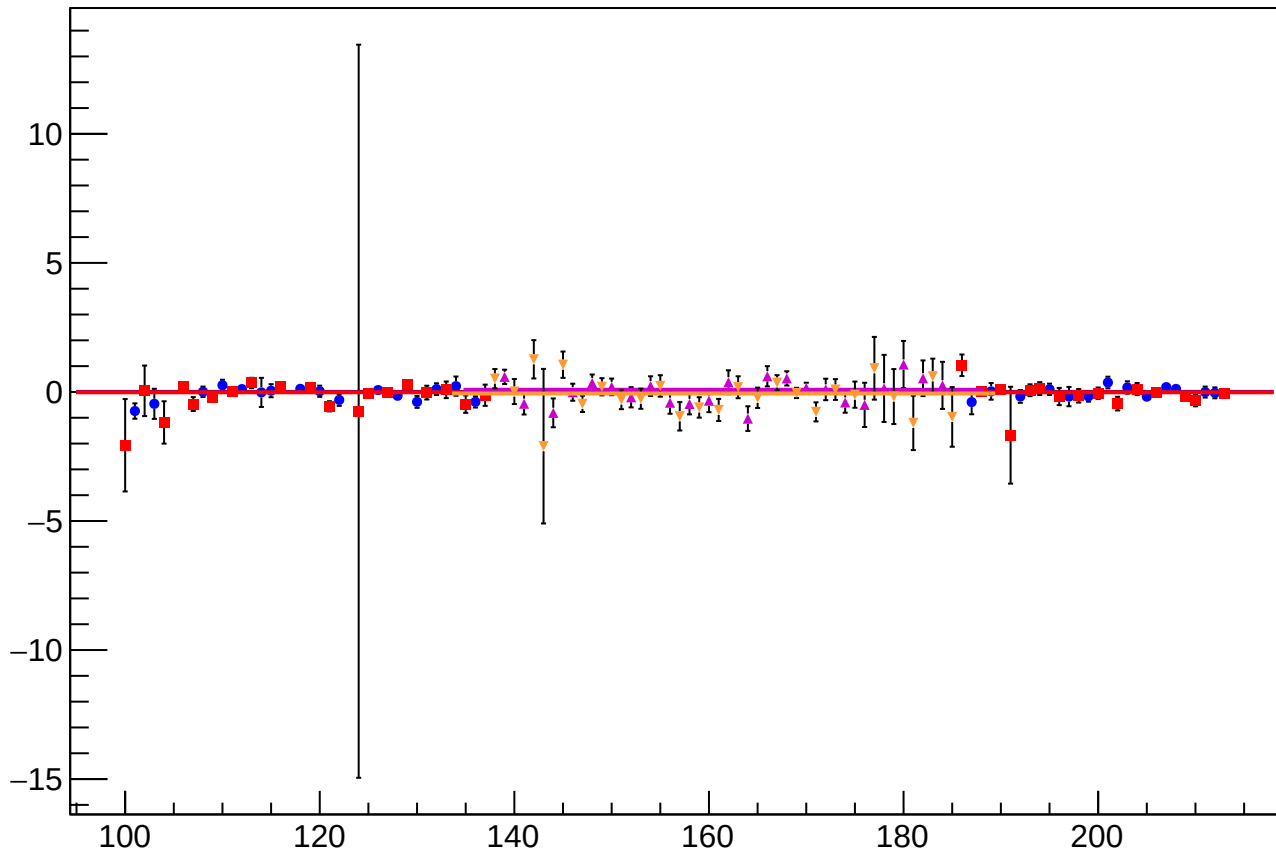
Left In: 0.000+/-0.000 χ^2/NDF : 2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 15958645.1/53

All: 0.000+/-0.000 χ^2/NDF : 29671345.3/110

- sign 0.000+/-0.000 χ^2/NDF : 11065184.3/56

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.039 χ^2/NDF : 28.1/28

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.013 ± 0.036 χ^2/NDF : 43.0/33

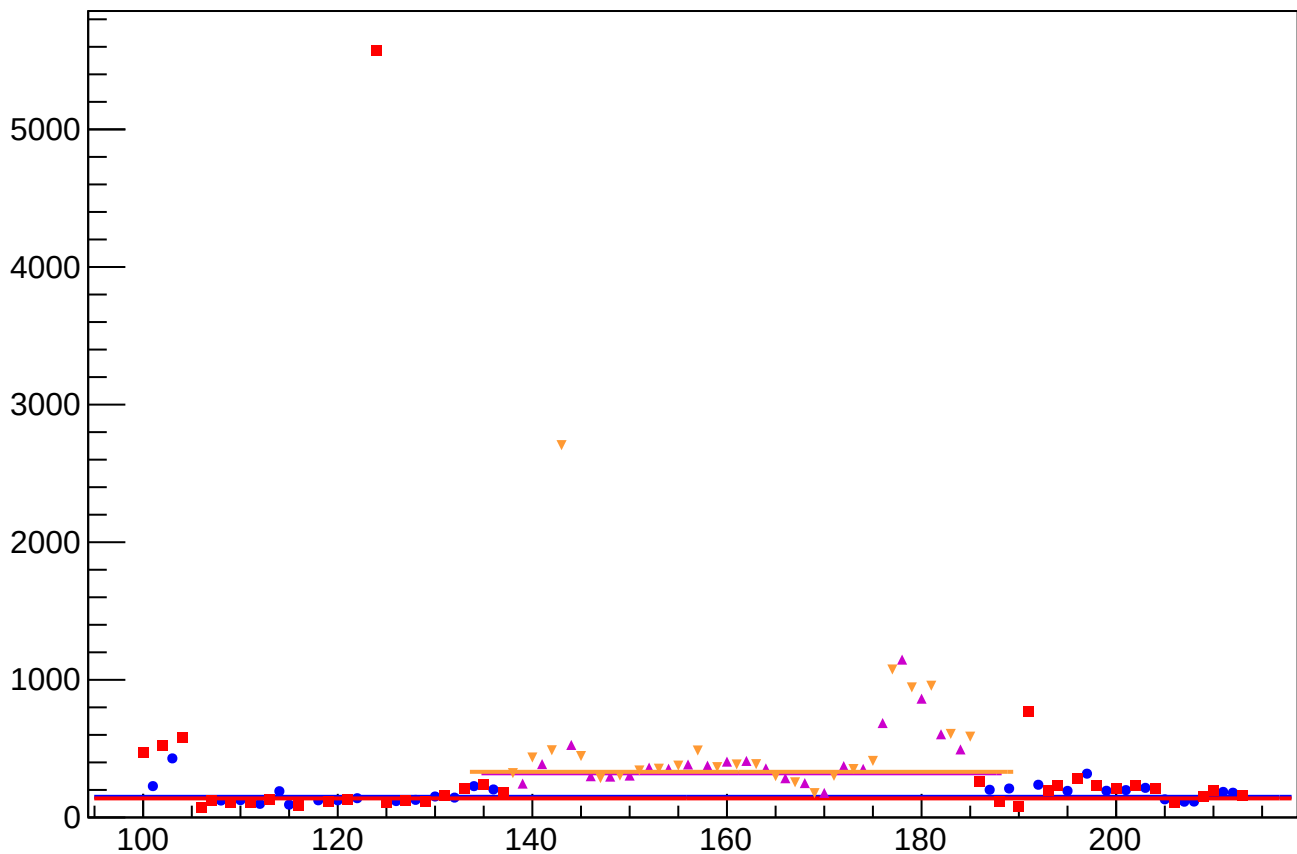
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.036 χ^2/NDF : 59.3/53

All: -0.003 ± 0.024 χ^2/NDF : 130.6/110

- sign 0.003 ± 0.033 χ^2/NDF : 71.2/56

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 149.937 $\pm$ 0.028 χ^2 /NDF: 2947976.0/28

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 138.471 $\pm$ 0.026 χ^2 /NDF: 5097063.2/33

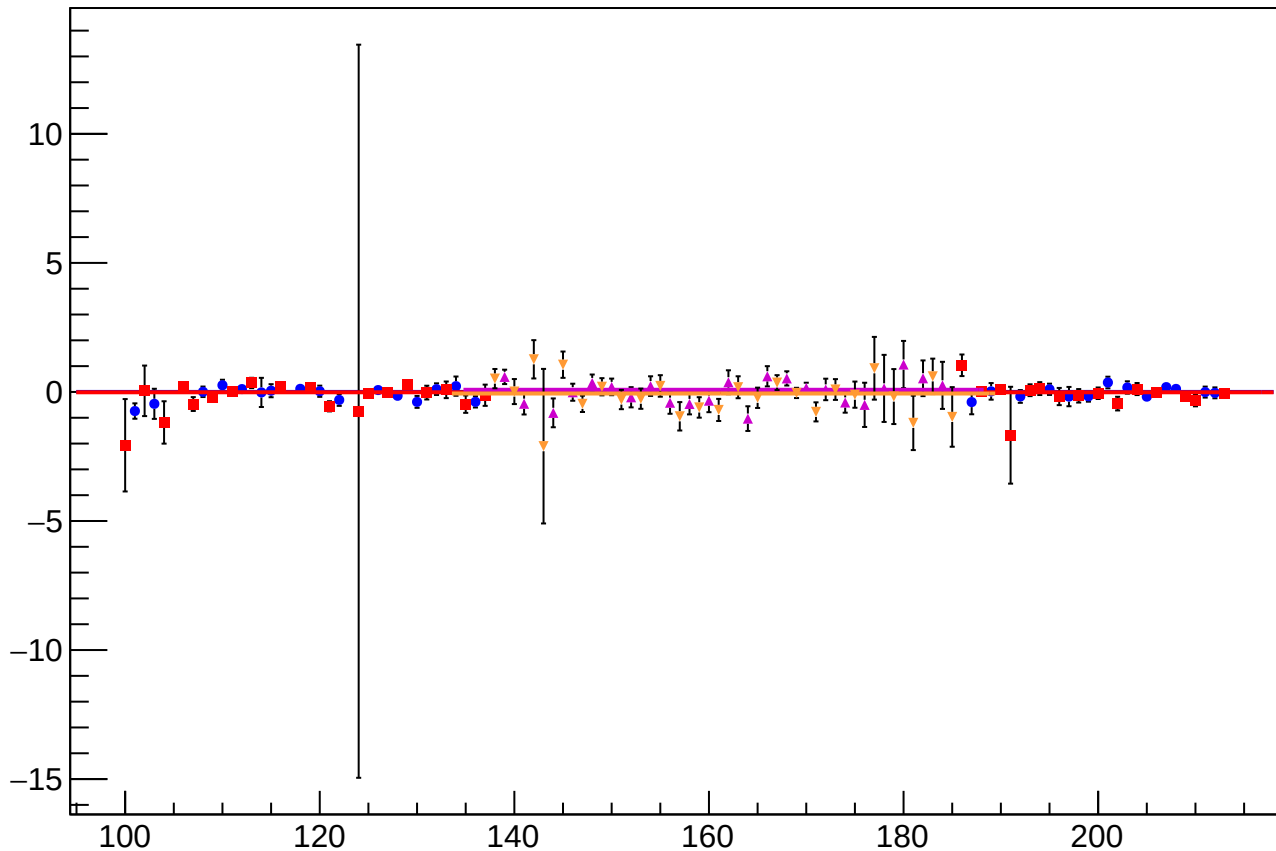
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 182.946 $\pm$ 0.025 χ^2 /NDF: 16501743.2/53

All: 175.425 $\pm$ 0.017 χ^2 /NDF: 34418112.1/11

- sign 168.923 $\pm$ 0.023 χ^2 /NDF: 17750599.6/56

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.039 χ^2/NDF : 28.1/28

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.013 ± 0.036 χ^2/NDF : 43.0/33

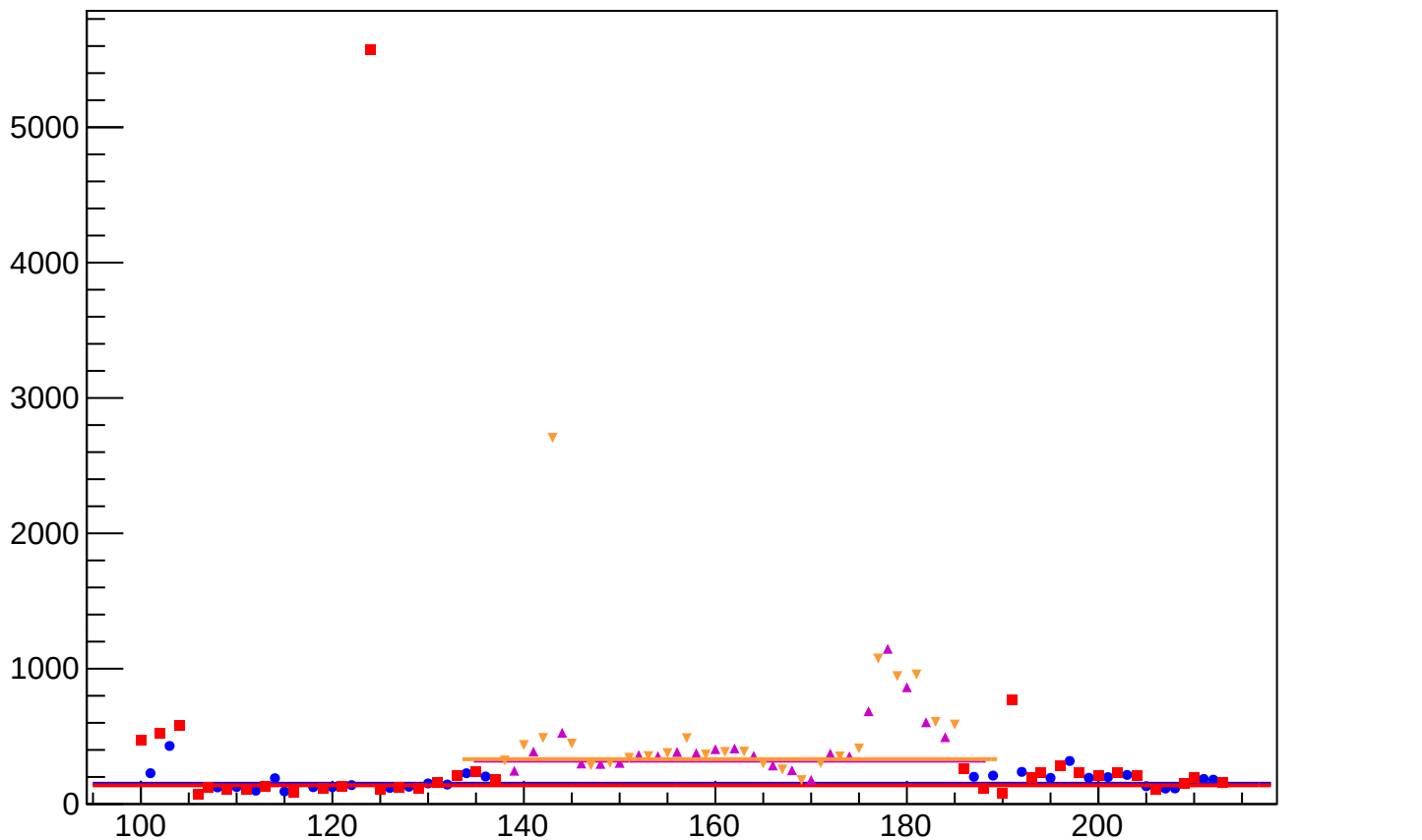
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.036 χ^2/NDF : 59.3/53

All: -0.003 ± 0.024 χ^2/NDF : 130.6/110

- sign 0.003 ± 0.033 χ^2/NDF : 71.2/56

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.937 $\pm$ 0.028 χ^2 /NDF: 2947976.0/28

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 138.471 $\pm$ 0.026 χ^2 /NDF: 5097063.2/33

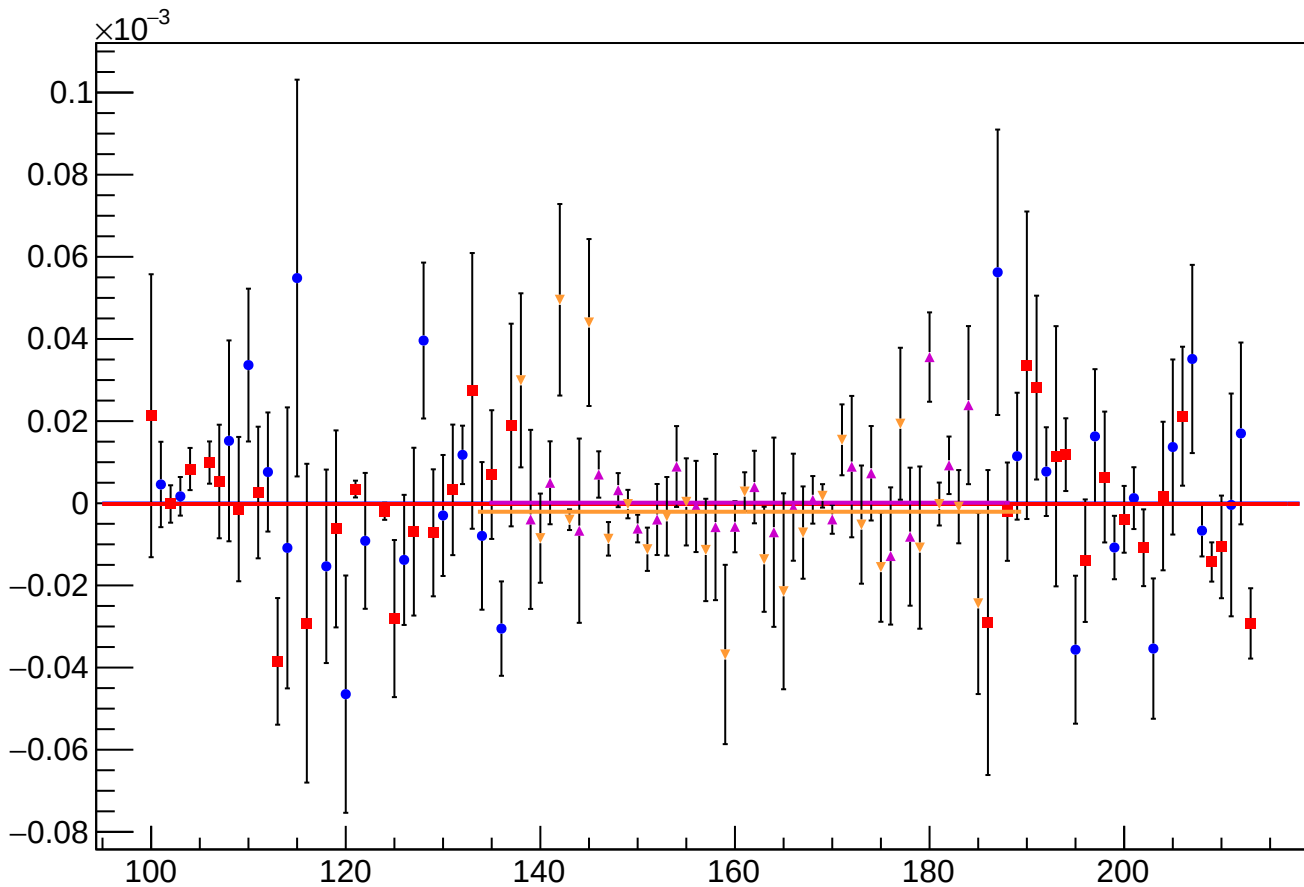
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 182.946 $\pm$ 0.025 χ^2 /NDF: 16501743.2/53

All: 175.425 $\pm$ 0.017 χ^2 /NDF: 34418112.1/11

- sign 168.923 $\pm$ 0.023 χ^2 /NDF: 17750599.6/56

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 43.4/28$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 34.8/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 52.0/33$

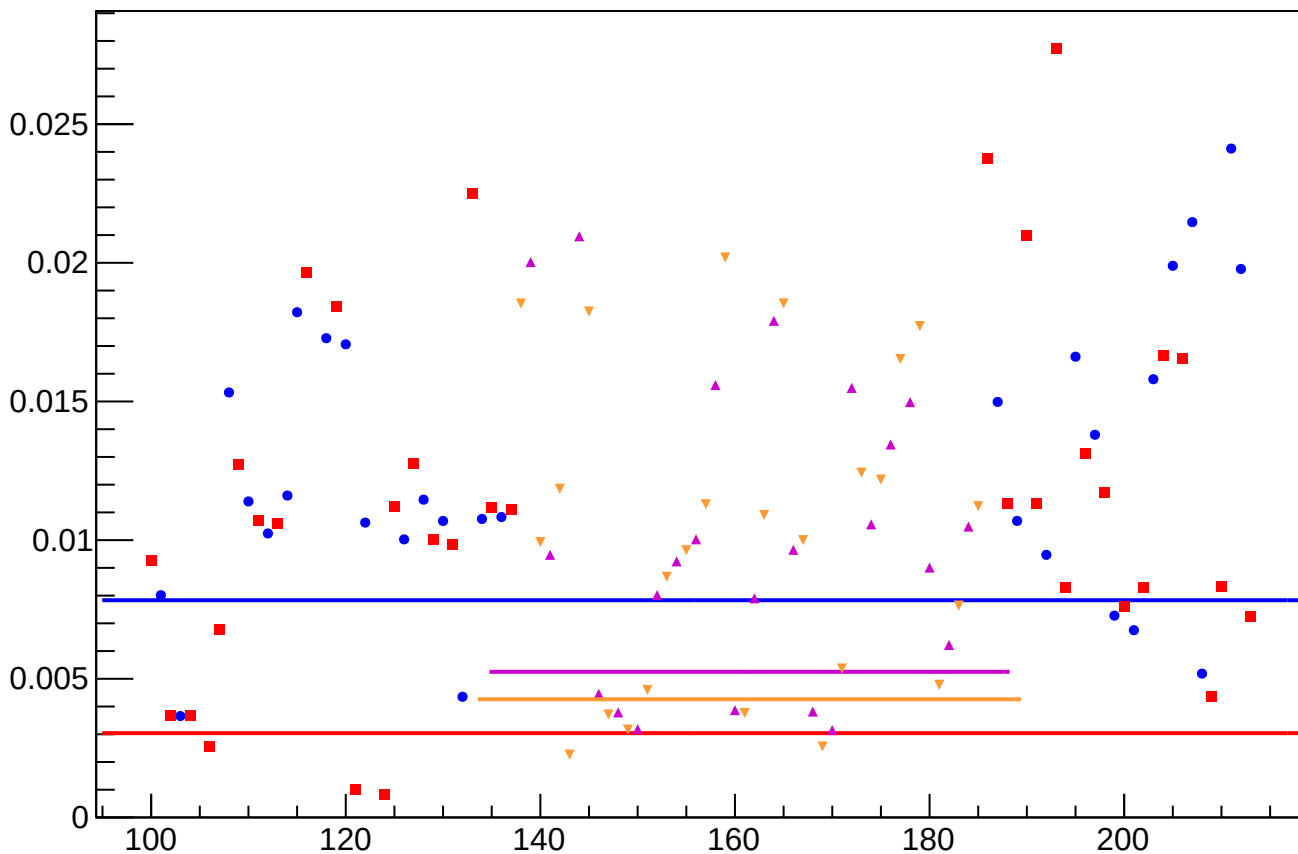
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 24.9/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 78.9/53$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 156.9/110$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 76.9/56$

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7885638.2/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:12968514.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 20701795.2/33

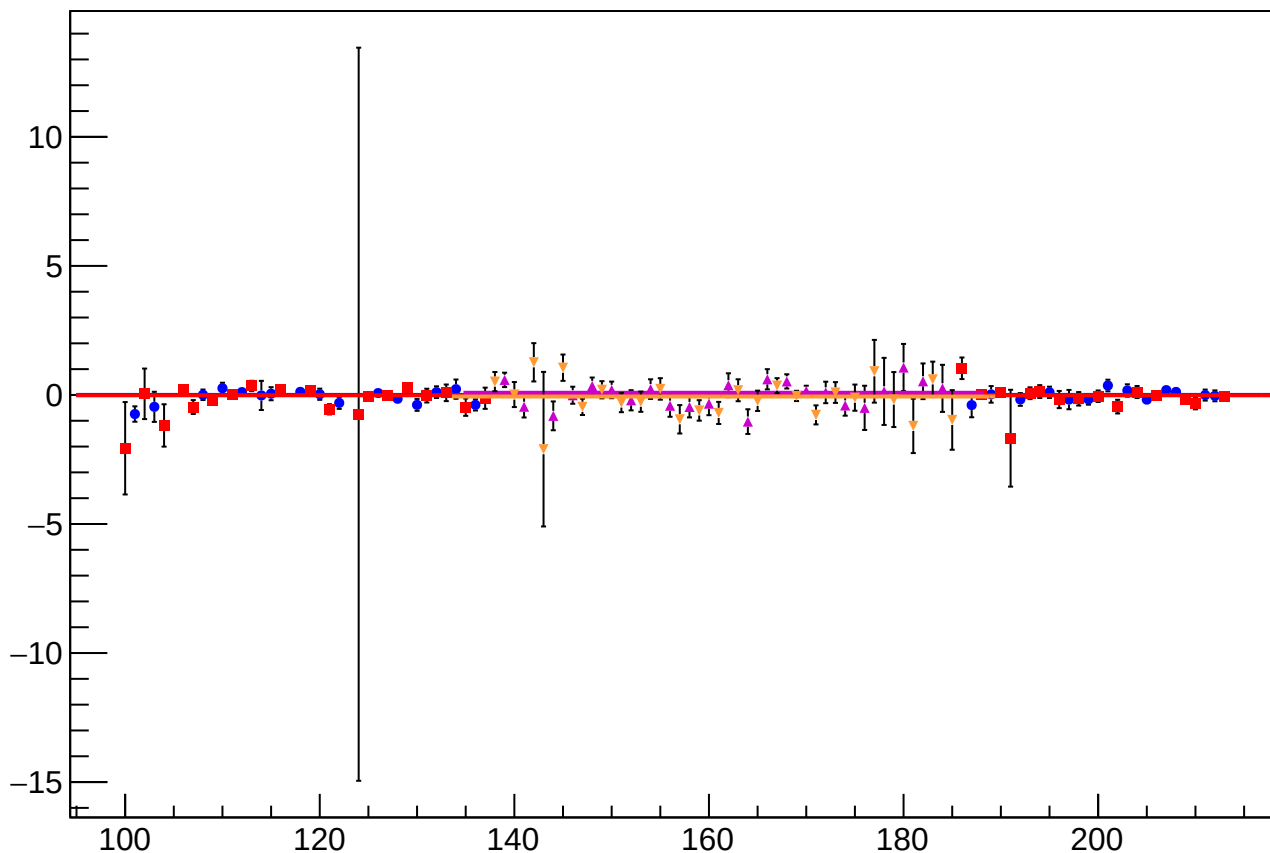
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:9531217.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 24817561.8/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 59387295.4/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 32939105.1/56

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.039 χ^2/NDF : 28.1/28

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.013 ± 0.036 χ^2/NDF : 43.0/33

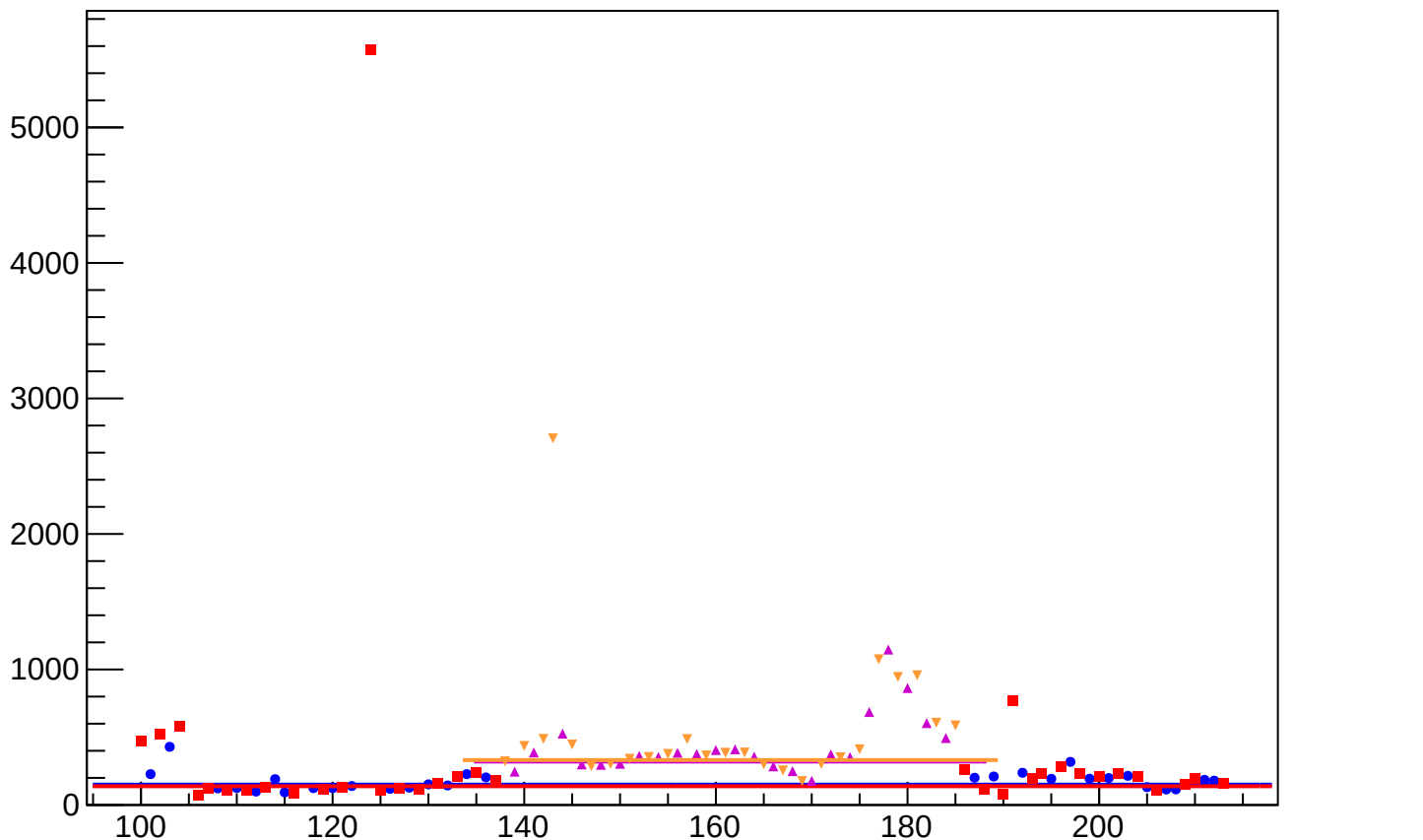
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.036 χ^2/NDF : 59.3/53

All: -0.003 ± 0.024 χ^2/NDF : 130.6/110

- sign 0.003 ± 0.033 χ^2/NDF : 71.2/56

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.937 $\pm$ 0.028 χ^2 /NDF: 2947954.1/28

Left Out: 331.653 $\pm$ 0.059 χ^2 /NDF: 5838264.0/24

Right Out: 138.470 $\pm$ 0.026 χ^2 /NDF: 5097088.7/33

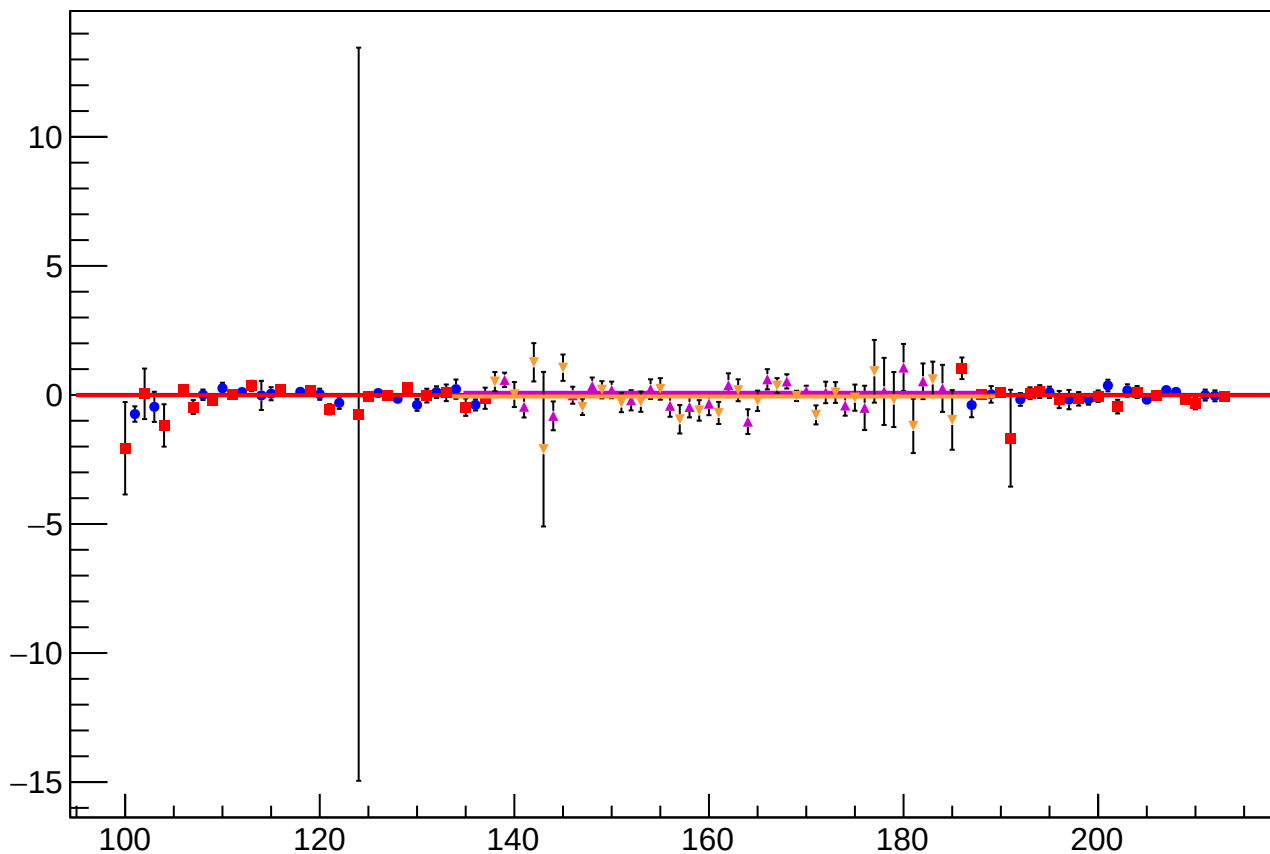
Left In: 320.749 $\pm$ 0.057 χ^2 /NDF: 4248171.3/22

+ sign 182.946 $\pm$ 0.025 χ^2 /NDF: 16501847.4/53

All: 175.425 $\pm$ 0.017 χ^2 /NDF: 34418482.7/11

- sign 168.922 $\pm$ 0.023 χ^2 /NDF: 17750843.2/56

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.039 χ^2/NDF : 28.1/28

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: -0.013 ± 0.036 χ^2/NDF : 43.0/33

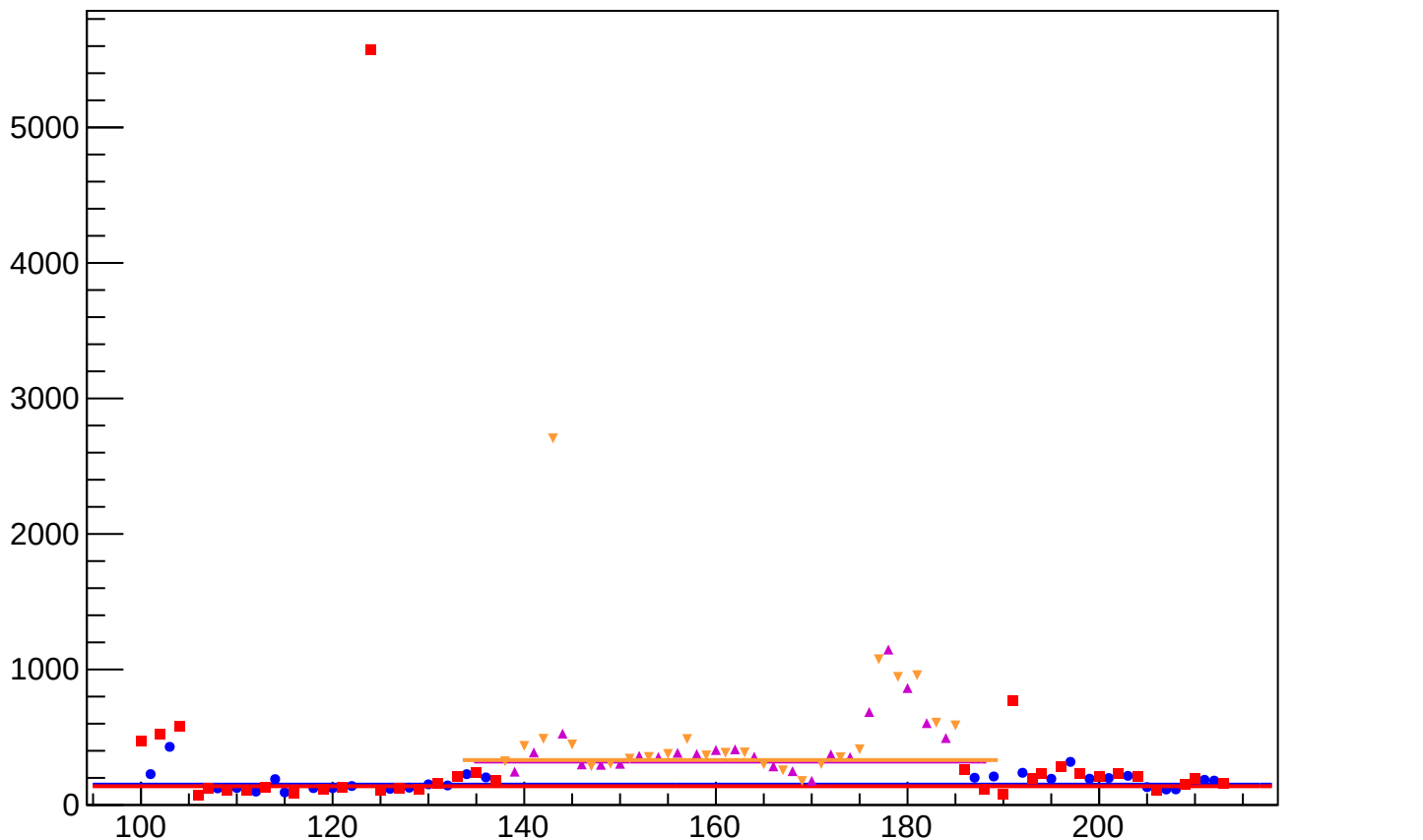
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.010 ± 0.036 χ^2/NDF : 59.3/53

All: -0.003 ± 0.024 χ^2/NDF : 130.6/110

- sign 0.003 ± 0.033 χ^2/NDF : 71.2/56

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.937+/-0.028 χ^2/NDF : 2947954.1/28

Left Out: 331.653+/-0.059 χ^2/NDF : 5838264.0/24

Right Out: 138.470+/-0.026 χ^2/NDF : 5097088.7/33

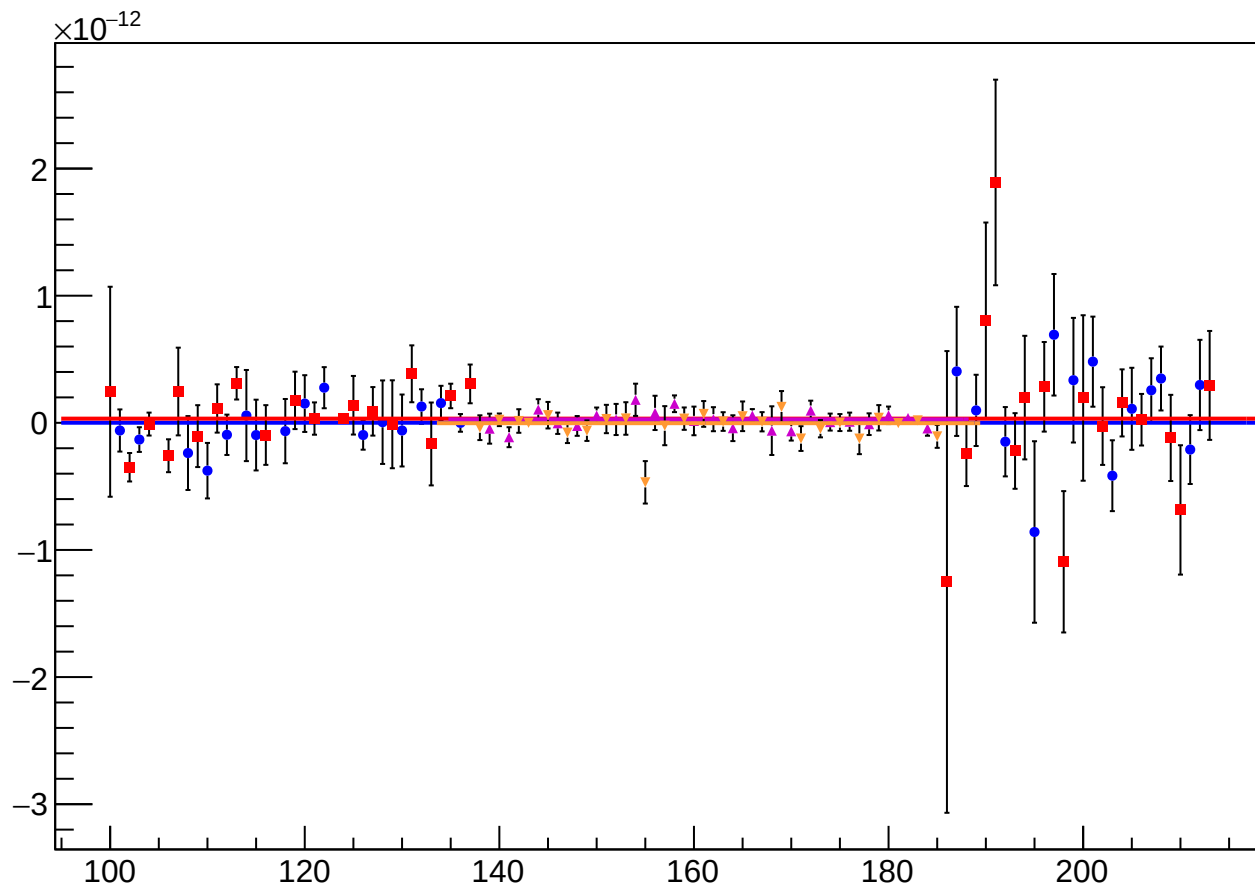
Left In: 320.749+/-0.057 χ^2/NDF : 4248171.3/22

+ sign 182.946+/-0.025 χ^2/NDF : 16501847.4/53

All: 175.425+/-0.017 χ^2/NDF : 34418482.7/11

- sign 168.922+/-0.023 χ^2/NDF : 17750843.2/56

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.0/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 49.4/33

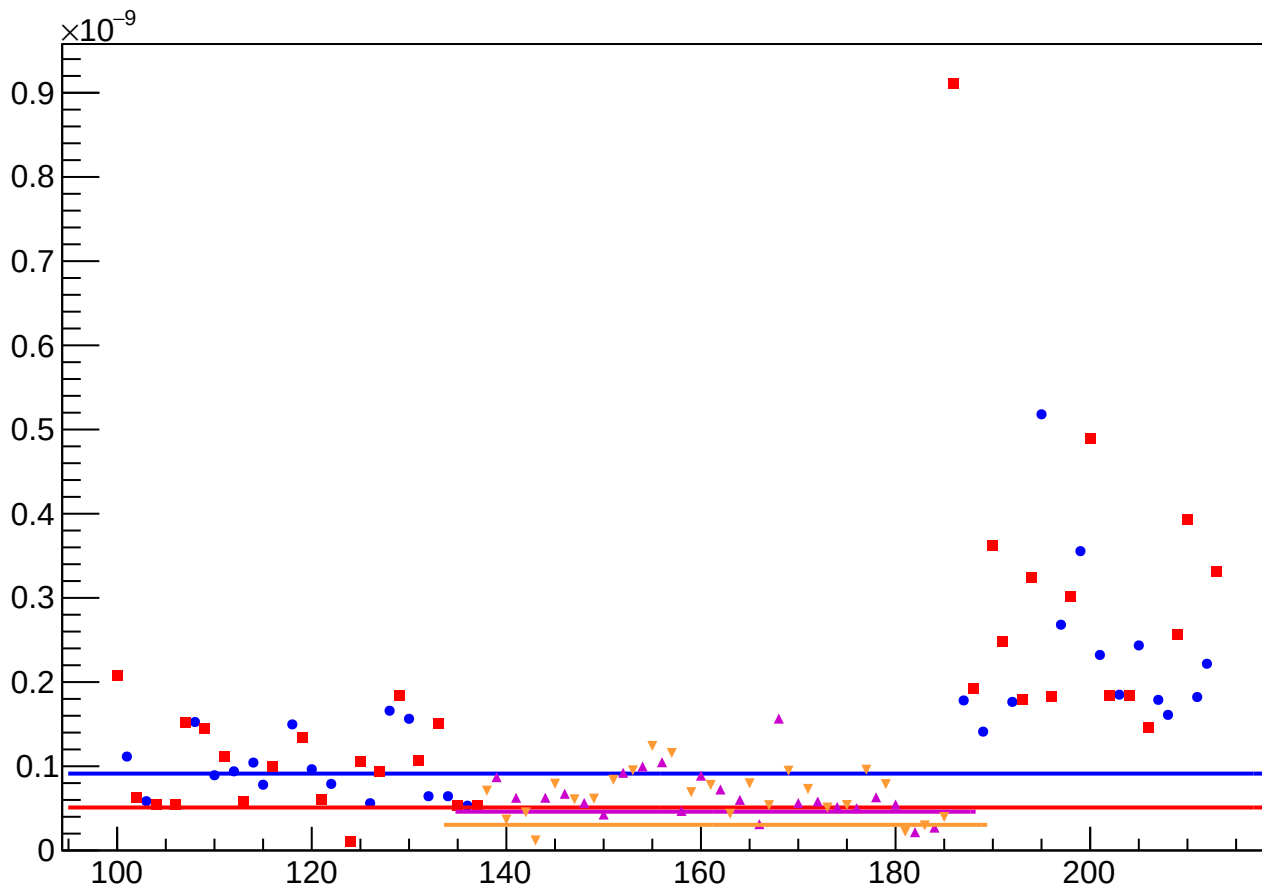
Left In: 0.000 ± 0.000 χ^2/NDF : 16.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 43.0/53

All: 0.000 ± 0.000 χ^2/NDF : 112.3/110

- sign 0.000 ± 0.000 χ^2/NDF : 65.6/56

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5391325.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 10517831.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 12655223.7/33

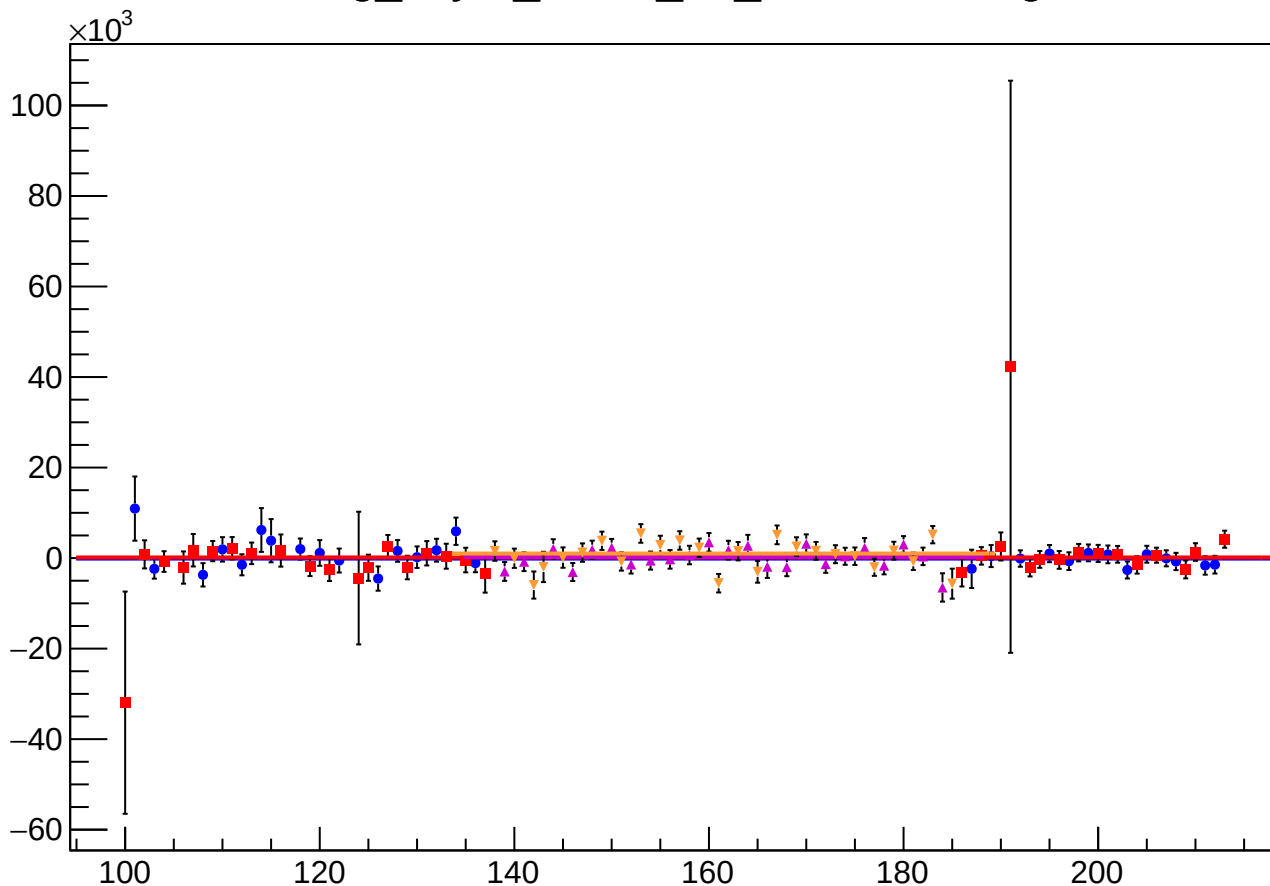
Left In: 0.000 ± 0.000 χ^2/NDF : 4899715.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 21614526.0/53

All: 0.000 ± 0.000 χ^2/NDF : 40235230.3/110

- sign 0.000 ± 0.000 χ^2/NDF : 17616670.3/56

reg_asym_atr1l2_dd_mean vs Slug



Right In: -108.210 ± 425.419 χ^2/NDF : 22.4/28

Left Out: 1004.165 ± 422.582 χ^2/NDF : 47.4/24

Right Out: 135.151 ± 412.410 χ^2/NDF : 20.9/33

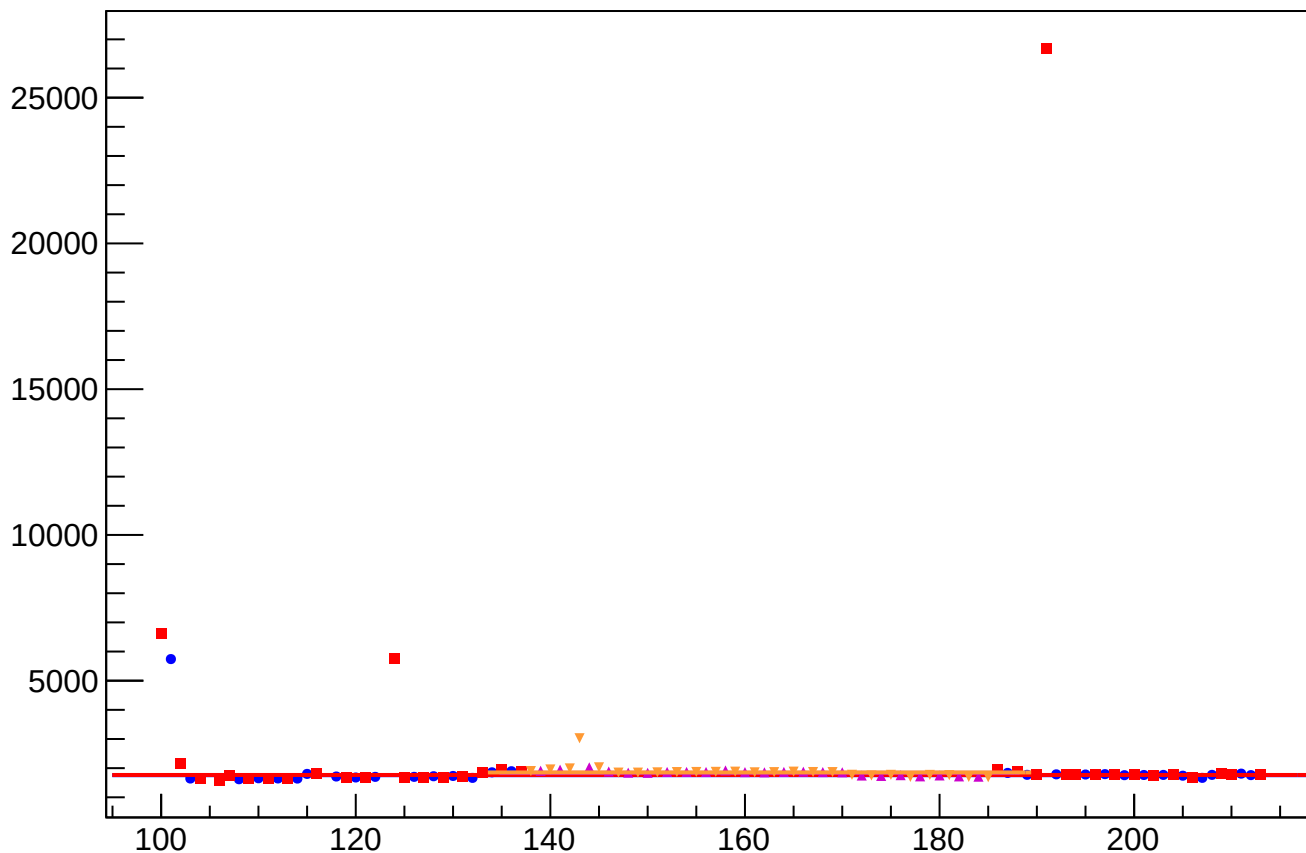
Left In: 229.321 ± 429.699 χ^2/NDF : 26.4/22

+ sign 451.698 ± 299.809 χ^2/NDF : 73.2/53

All: 314.971 ± 211.191 χ^2/NDF : 121.0/110

- sign 180.304 ± 297.542 χ^2/NDF : 47.3/56

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1758.310+/-0.301 χ^2 /NDF: 679095.7/28

Left Out: 1852.534+/-0.299 χ^2 /NDF: 321038.9/24

Right Out: 1766.088+/-0.291 χ^2 /NDF: 646353.2/33

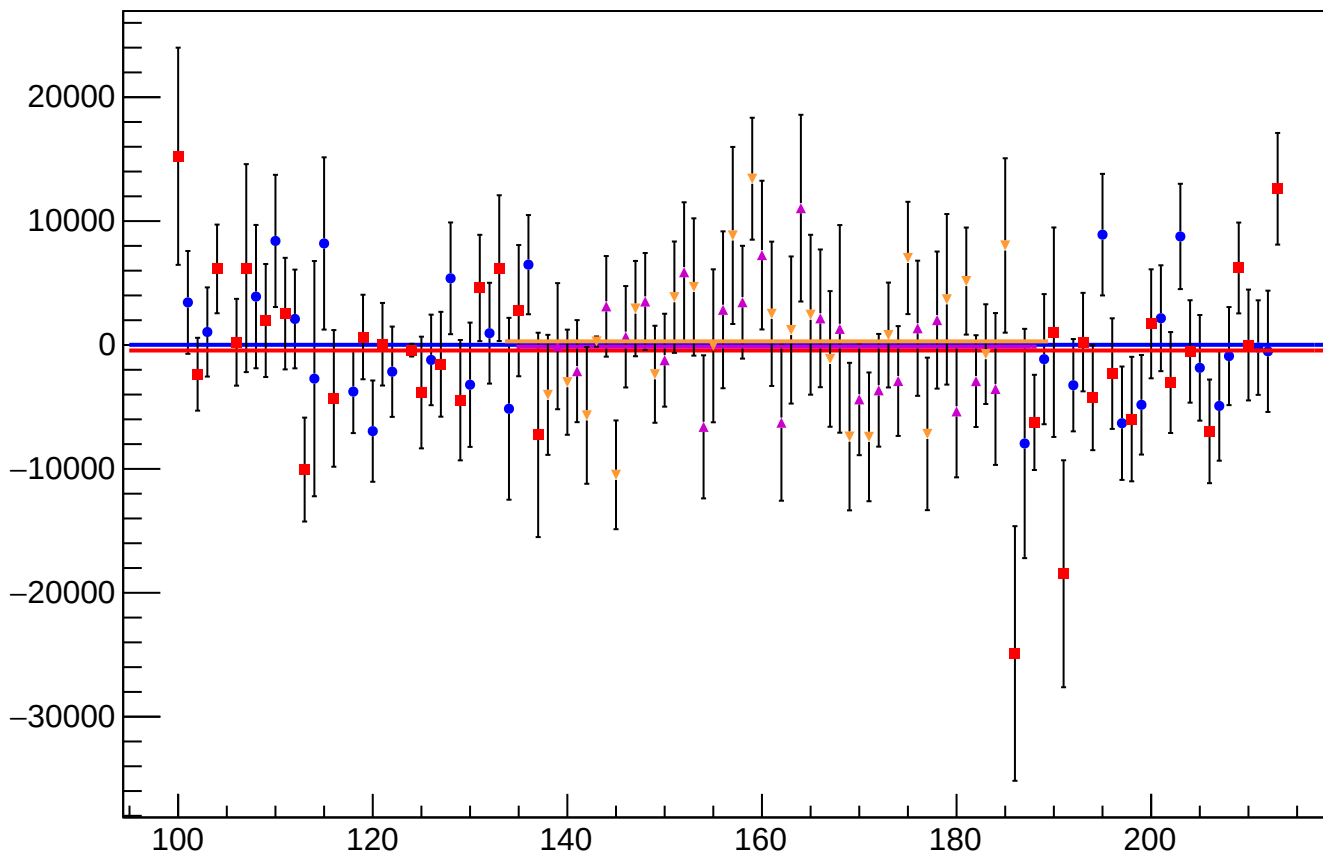
Left In: 1838.528+/-0.304 χ^2 /NDF: 68478.0/22

+ sign 1805.737+/-0.212 χ^2 /NDF: 1049518.9/53

All: 1803.203+/-0.149 χ^2 /NDF: 1794303.0/11

- sign 1800.716+/-0.210 χ^2 /NDF: 744501.0/56

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 15.334+/-820.166 χ^2/NDF : 29.3/28

Left Out: 294.407+/-379.922 χ^2/NDF : 30.0/24

Right Out: -443.615+/-427.113 χ^2/NDF : 48.1/33

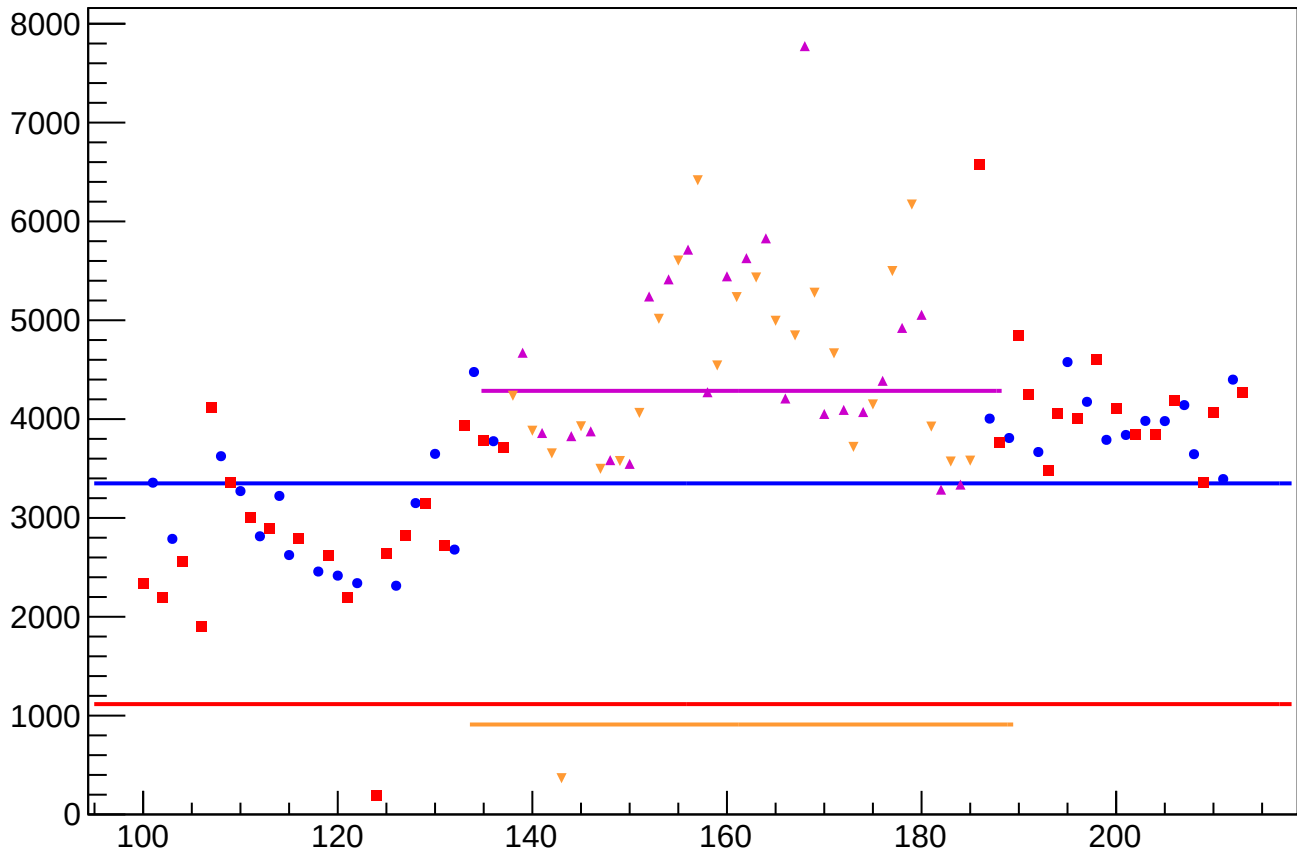
Left In: -138.350+/-1022.943 χ^2/NDF : 13.9/22

+ sign 245.103+/-344.732 χ^2/NDF : 59.4/53

All: -33.767+/-259.482 χ^2/NDF : 123.0/110

- sign -398.297+/-394.137 χ^2/NDF : 62.1/56

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3349.729 $\pm$ 0.580 χ^2 /NDF: 1343246.5/28

Left Out: 910.135 $\pm$ 0.269 χ^2 /NDF: 26774123.9/24

Right Out: 1116.399 $\pm$ 0.302 χ^2 /NDF: 23876978.9/33

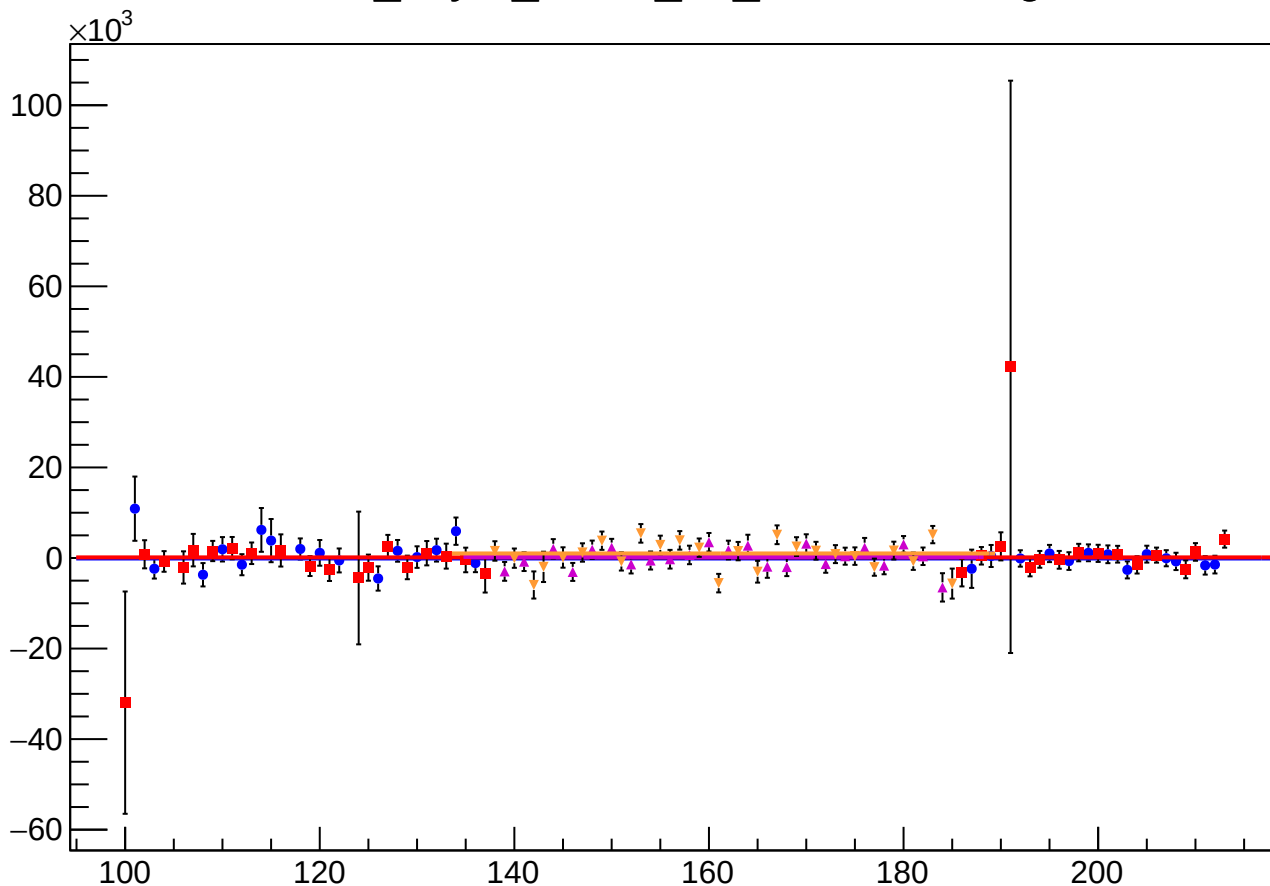
Left In: 4285.839 $\pm$ 0.723 χ^2 /NDF: 1327947.9/22

+ sign 1341.135 $\pm$ 0.244 χ^2 /NDF: 42686586.6/53

All: 1447.663 $\pm$ 0.183 χ^2 /NDF: 84681499.2/1

- sign 1586.914 $\pm$ 0.279 χ^2 /NDF: 41554280.0/56

cor_asym_atr1l2_dd_mean vs Slug



Right In: -108.373 ± 425.419 χ^2/NDF : 22.4/28

Left Out: 1004.123 ± 422.582 χ^2/NDF : 47.4/24

Right Out: 135.158 ± 412.410 χ^2/NDF : 20.9/33

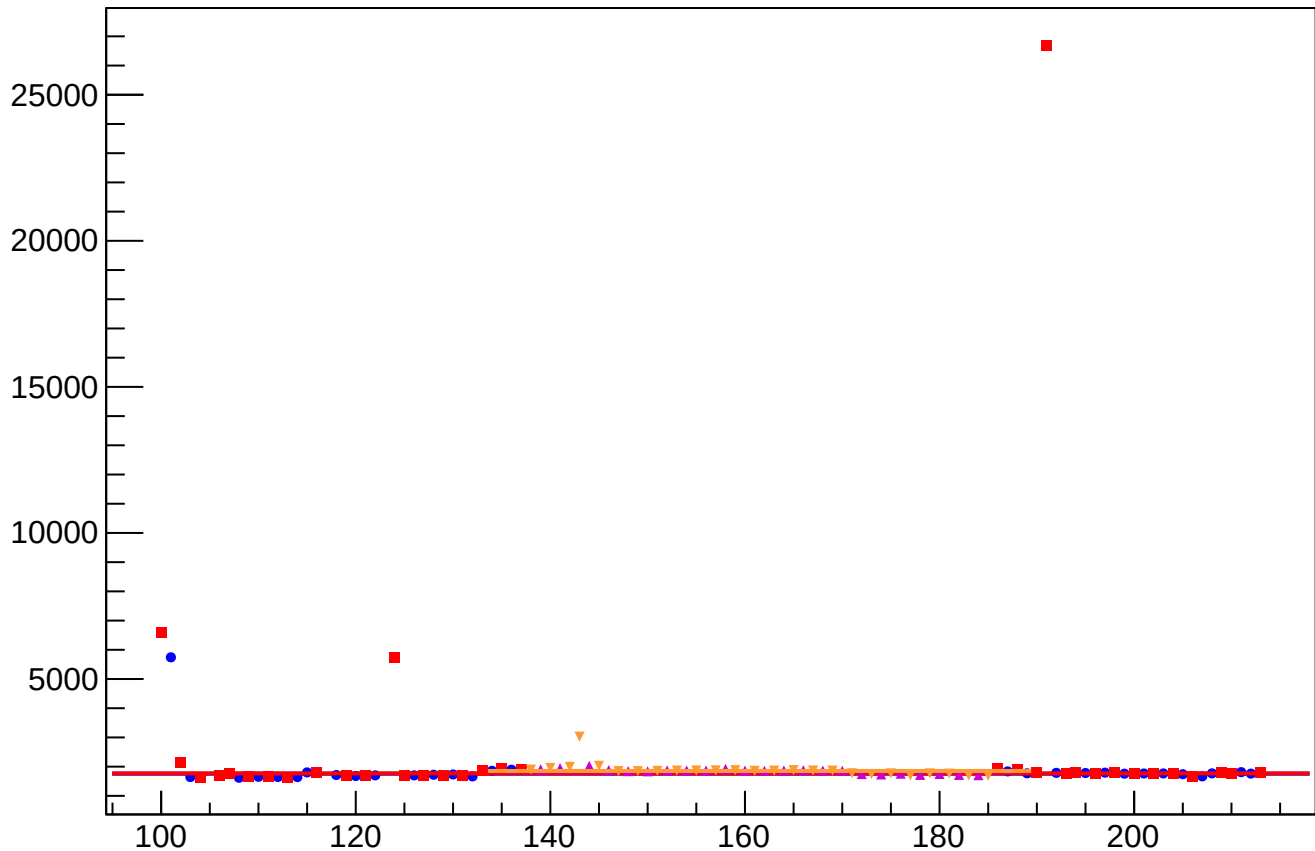
Left In: 229.236 ± 429.699 χ^2/NDF : 26.4/22

+ sign 451.597 ± 299.809 χ^2/NDF : 73.2/53

All: 314.902 ± 211.191 χ^2/NDF : 120.9/110

- sign 180.266 ± 297.542 χ^2/NDF : 47.3/56

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1758.309+/-0.301 χ^2 /NDF: 679095.9/28

Left Out: 1852.534+/-0.299 χ^2 /NDF: 321038.9/24

Right Out: 1768.832+/-0.291 χ^2 /NDF: 638200.5/33

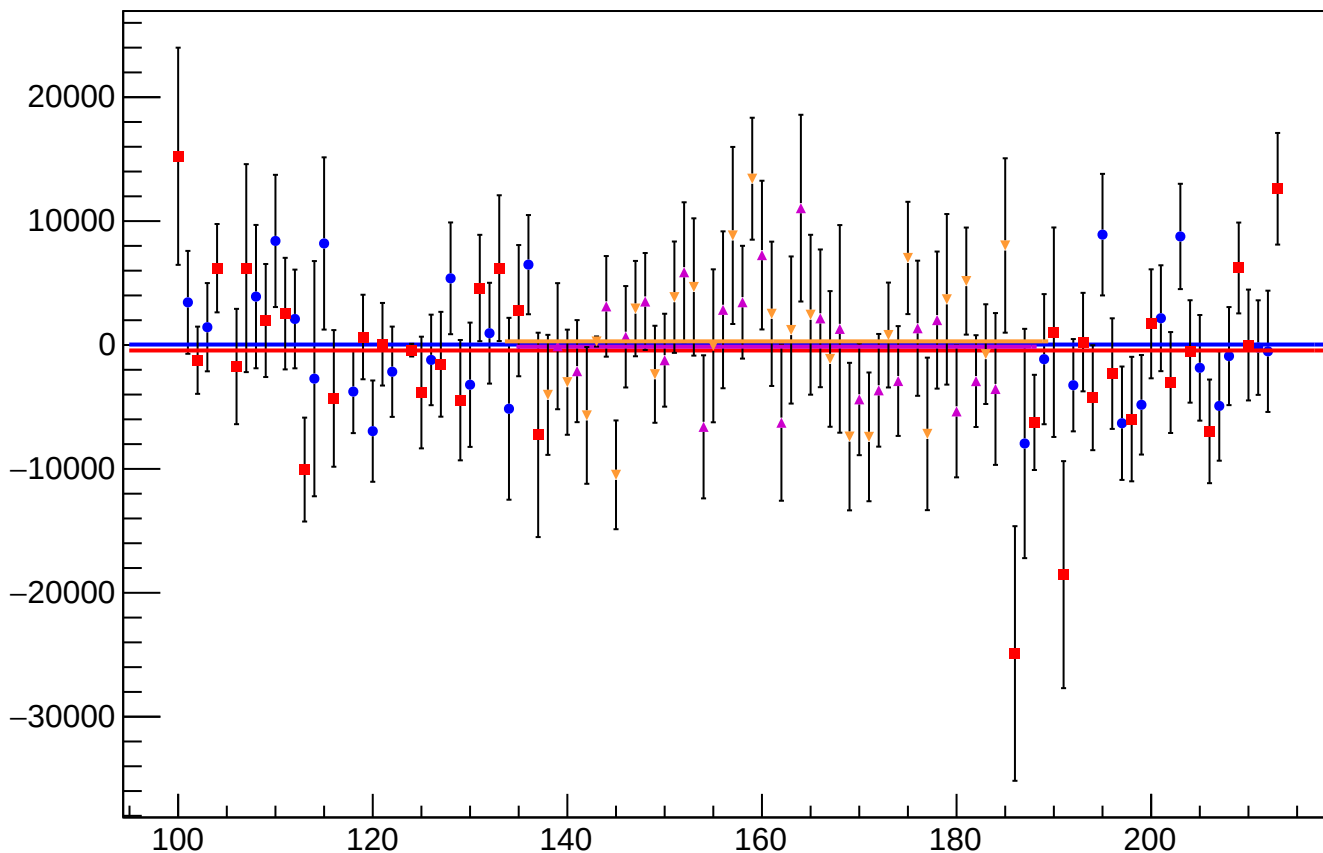
Left In: 1838.528+/-0.304 χ^2 /NDF: 68478.0/22

+ sign 1805.737+/-0.212 χ^2 /NDF: 1049519.2/53

All: 1803.953+/-0.149 χ^2 /NDF: 1783765.2/11

- sign 1802.198+/-0.210 χ^2 /NDF: 734105.5/56

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 36.924 ± 819.736 χ^2/NDF : 29.3/28

Left Out: 295.308 ± 379.951 χ^2/NDF : 30.0/24

Right Out: -442.068 ± 427.855 χ^2/NDF : 48.0/33

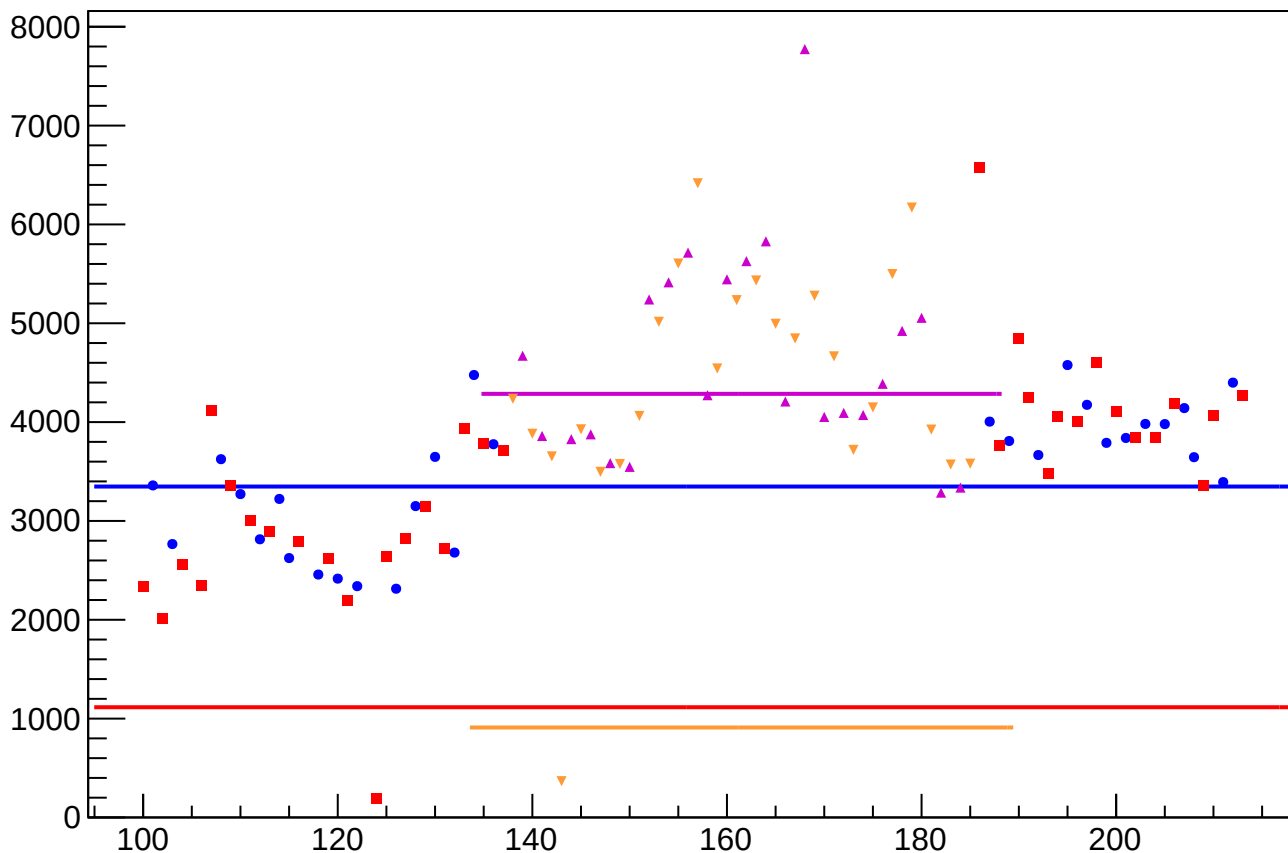
Left In: -138.272 ± 1022.940 χ^2/NDF : 13.9/22

+ sign 249.615 ± 344.722 χ^2/NDF : 59.4/53

All: -30.099 ± 259.644 χ^2/NDF : 122.9/110

- sign -396.834 ± 394.719 χ^2/NDF : 61.9/56

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3348.040±/0.580 χ^2/NDF : 1348254.0/28

Left Out: 910.253±/0.269 χ^2/NDF : 26772969.1/24

Right Out: 1115.223±/0.303 χ^2/NDF : 23851916.3/33

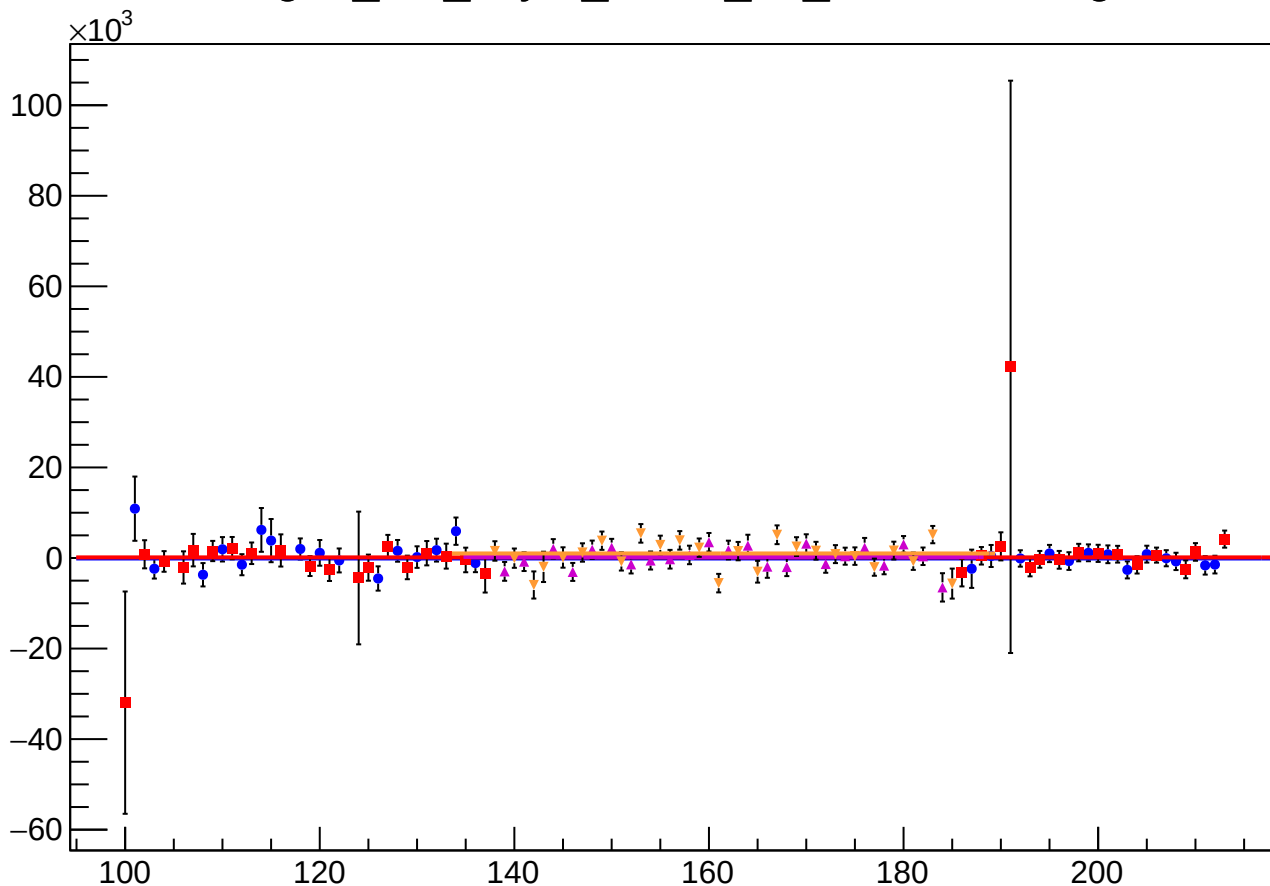
Left In: 4285.828±/0.723 χ^2/NDF : 1327963.4/22

+ sign 1341.360±/0.244 χ^2/NDF : 42681020.5/53

All: 1447.779±/0.184 χ^2/NDF : 84654401.3/33

- sign 1587.305±/0.279 χ^2/NDF : 41532878.9/56

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -108.373+/-425.419 χ^2 /NDF: 22.4/28

Left Out: 1004.123+/-422.582 χ^2 /NDF: 47.4/24

Right Out: 135.158+/-412.410 χ^2 /NDF: 20.9/33

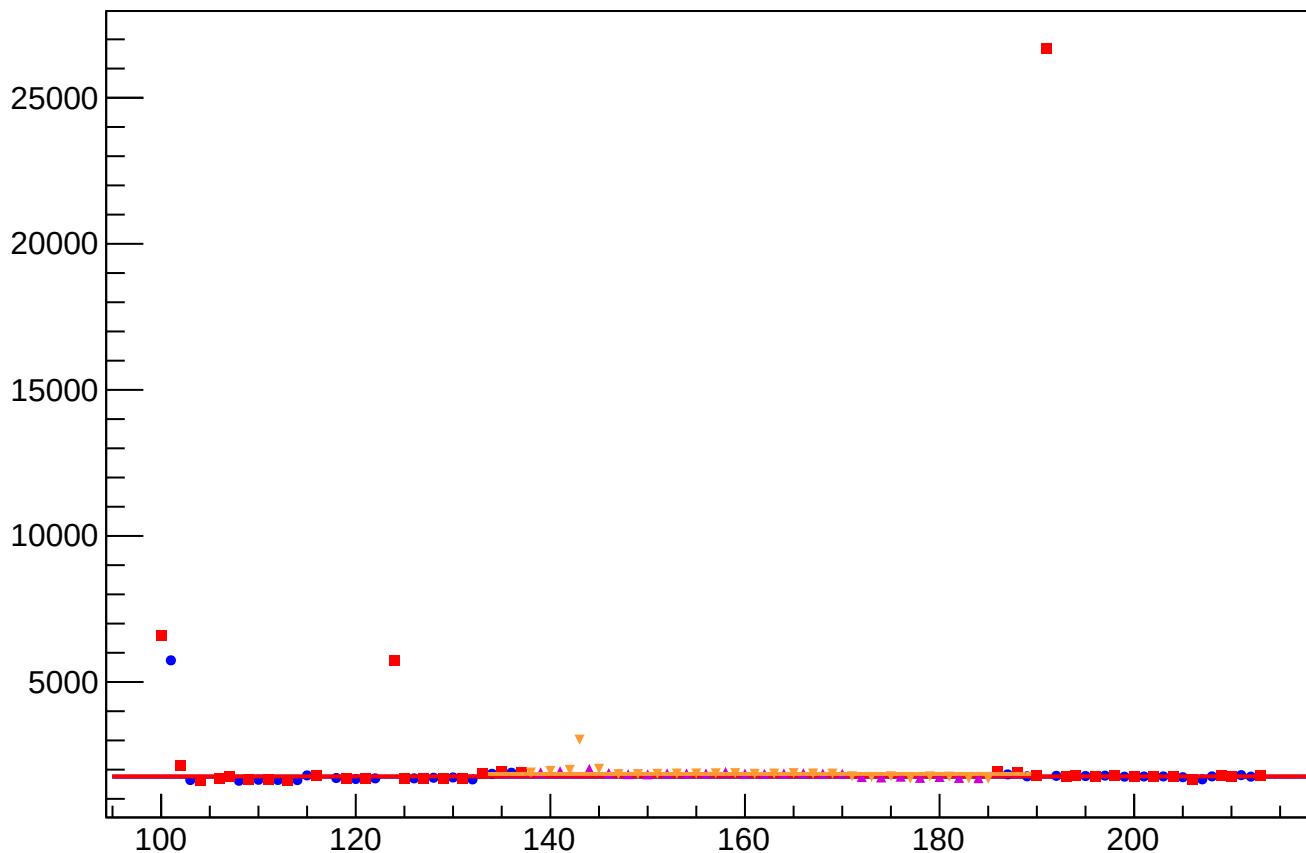
Left In: 229.236+/-429.699 χ^2 /NDF: 26.4/22

+ sign 451.597+/-299.809 χ^2 /NDF: 73.2/53

All: 314.902+/-211.191 χ^2 /NDF: 120.9/110

- sign 180.266+/-297.542 χ^2 /NDF: 47.3/56

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1758.309+/-0.301 χ^2/NDF : 679095.9/28

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1768.832+/-0.291 χ^2/NDF : 638200.5/33

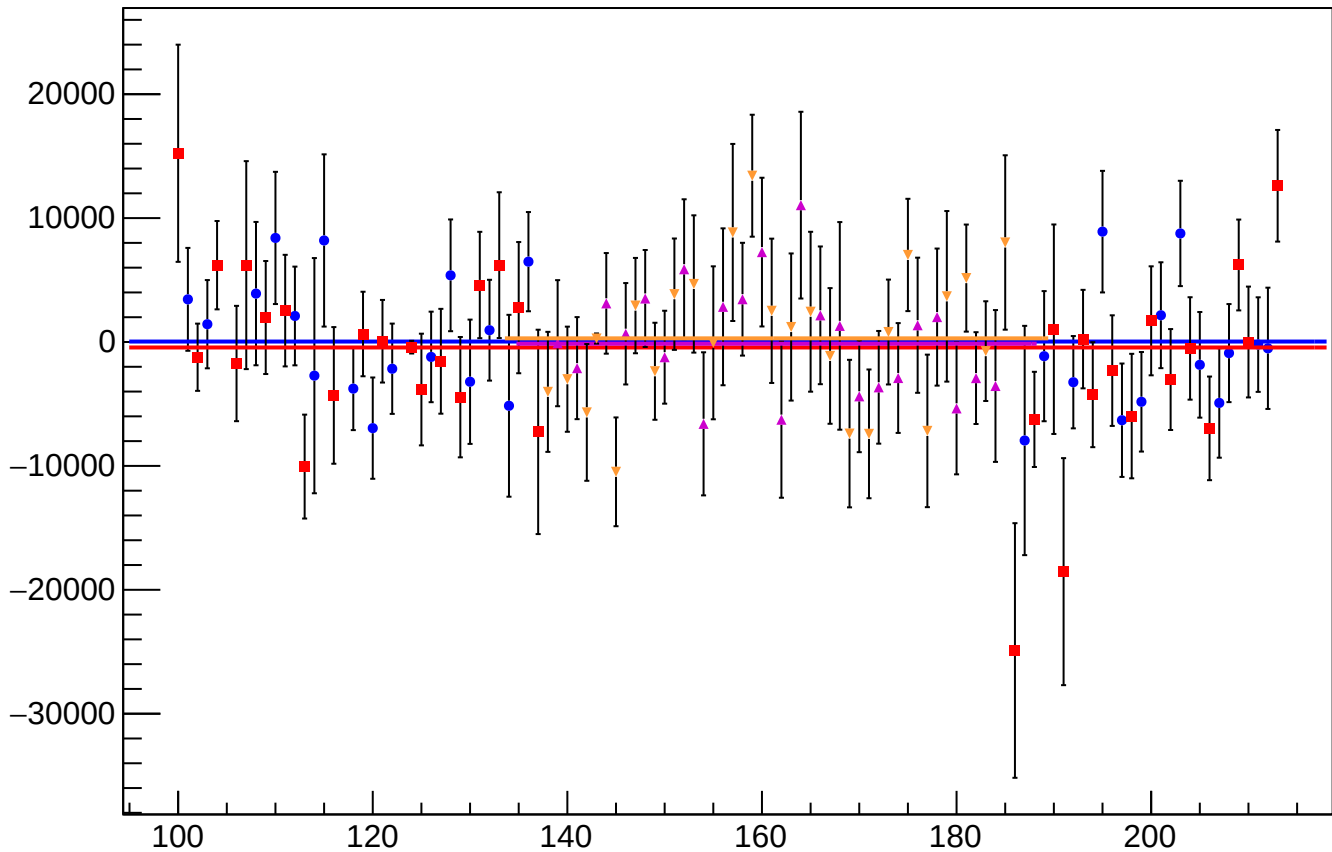
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1805.737+/-0.212 χ^2/NDF : 1049519.2/53

All: 1803.953+/-0.149 χ^2/NDF : 1783765.2/11

- sign 1802.198+/-0.210 χ^2/NDF : 734105.5/56

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 36.924 ± 819.736 χ^2/NDF : 29.3/28

Left Out: 295.308 ± 379.951 χ^2/NDF : 30.0/24

Right Out: -442.068 ± 427.855 χ^2/NDF : 48.0/33

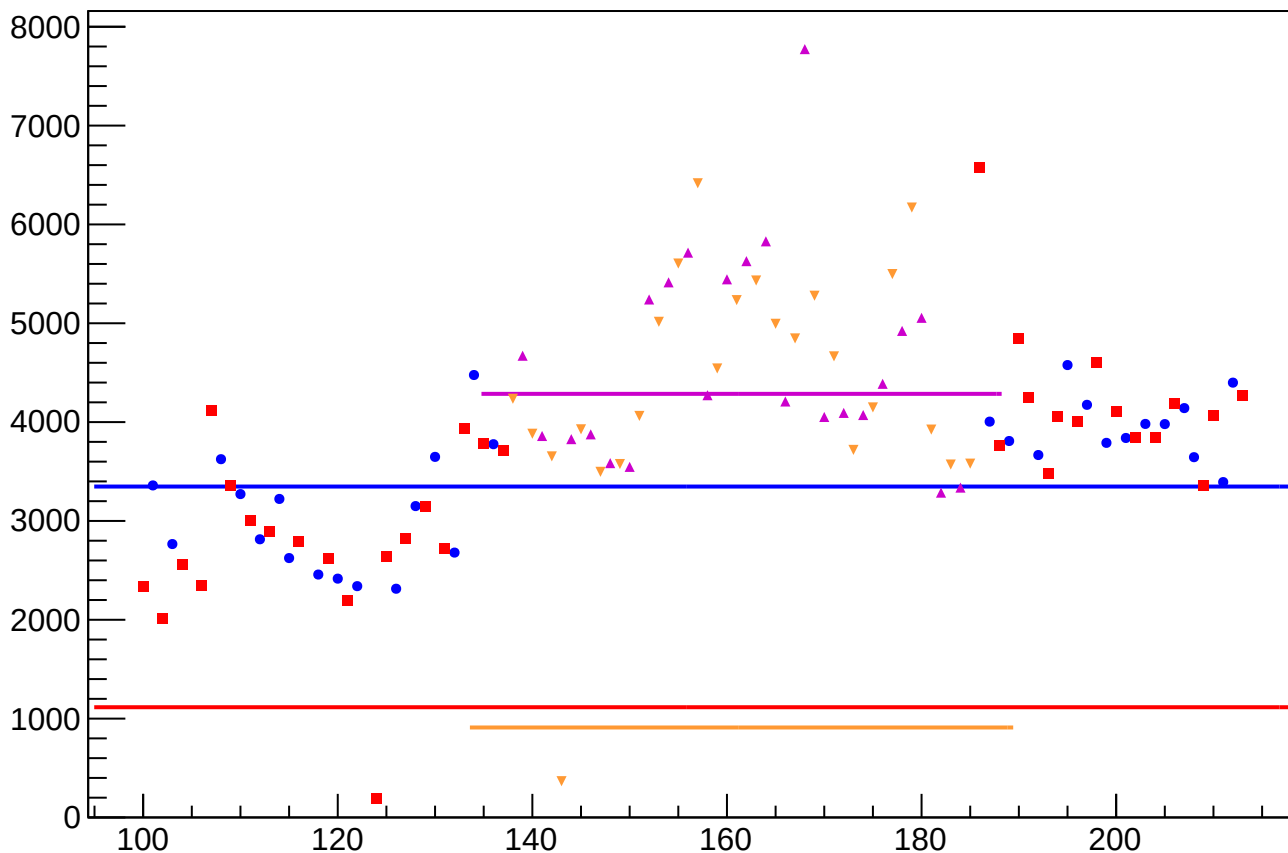
Left In: -138.272 ± 1022.940 χ^2/NDF : 13.9/22

+ sign 249.615 ± 344.722 χ^2/NDF : 59.4/53

All: -30.099 ± 259.644 χ^2/NDF : 122.9/110

- sign -396.834 ± 394.719 χ^2/NDF : 61.9/56

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3348.040 $\pm$ 0.580 χ^2 /NDF: 1348254.0/28

Left Out: 910.253 $\pm$ 0.269 χ^2 /NDF:26772969.1/24

Right Out: 1115.223 $\pm$ 0.303 χ^2 /NDF: 23851916.3/33

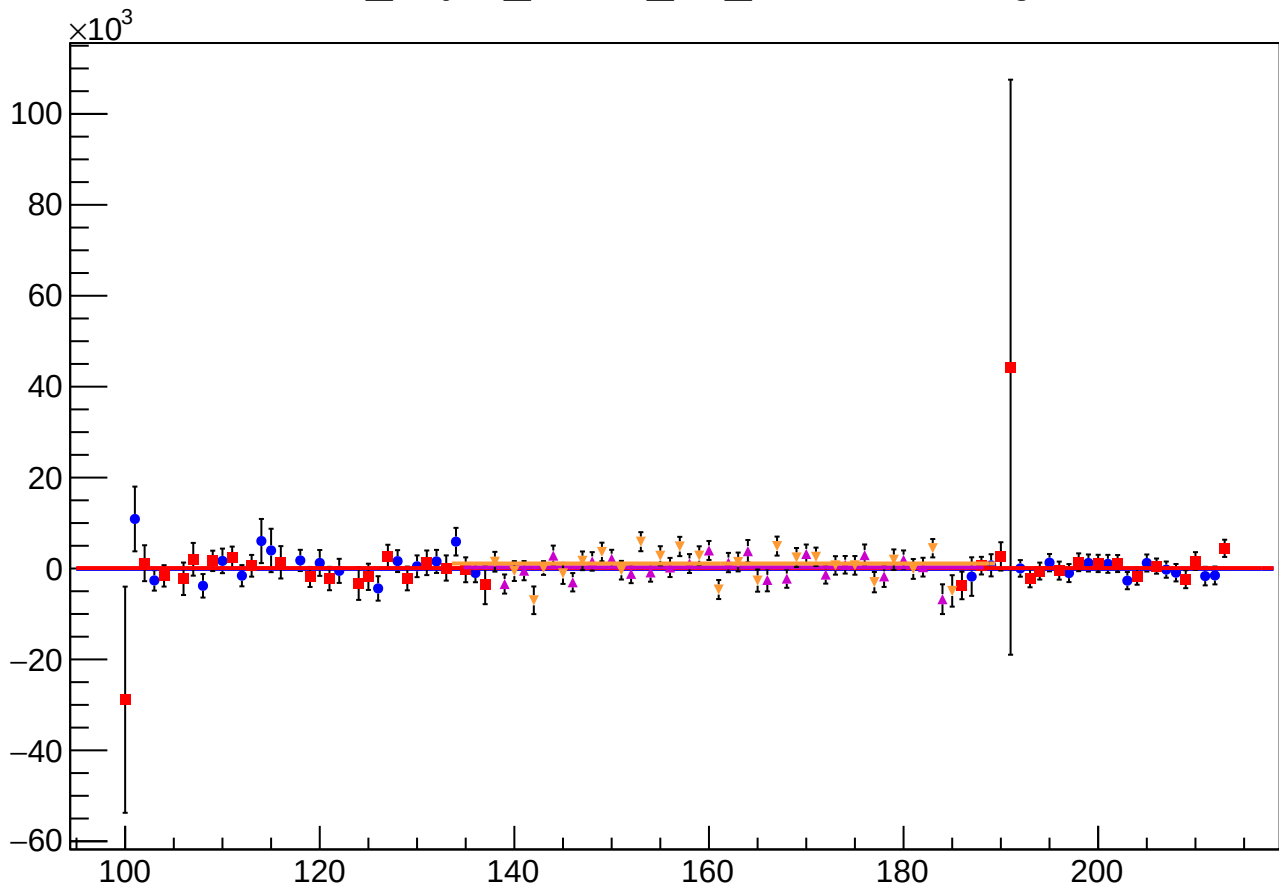
Left In: 4285.828 $\pm$ 0.723 χ^2 /NDF:1327963.4/22

+ sign 1341.360 $\pm$ 0.244 χ^2 /NDF: 42681020.5/53

All: 1447.779 $\pm$ 0.184 χ^2 /NDF: 84654401.3/33

- sign 1587.305 $\pm$ 0.279 χ^2 /NDF: 41532878.9/56

dit_asym_atr1l2_dd_mean vs Slug



Right In: -90.446 ± 427.882 χ^2/NDF : 22.9/28

Left Out: 1103.308 ± 425.320 χ^2/NDF : 44.8/24

Right Out: 96.404 ± 413.598 χ^2/NDF : 23.4/33

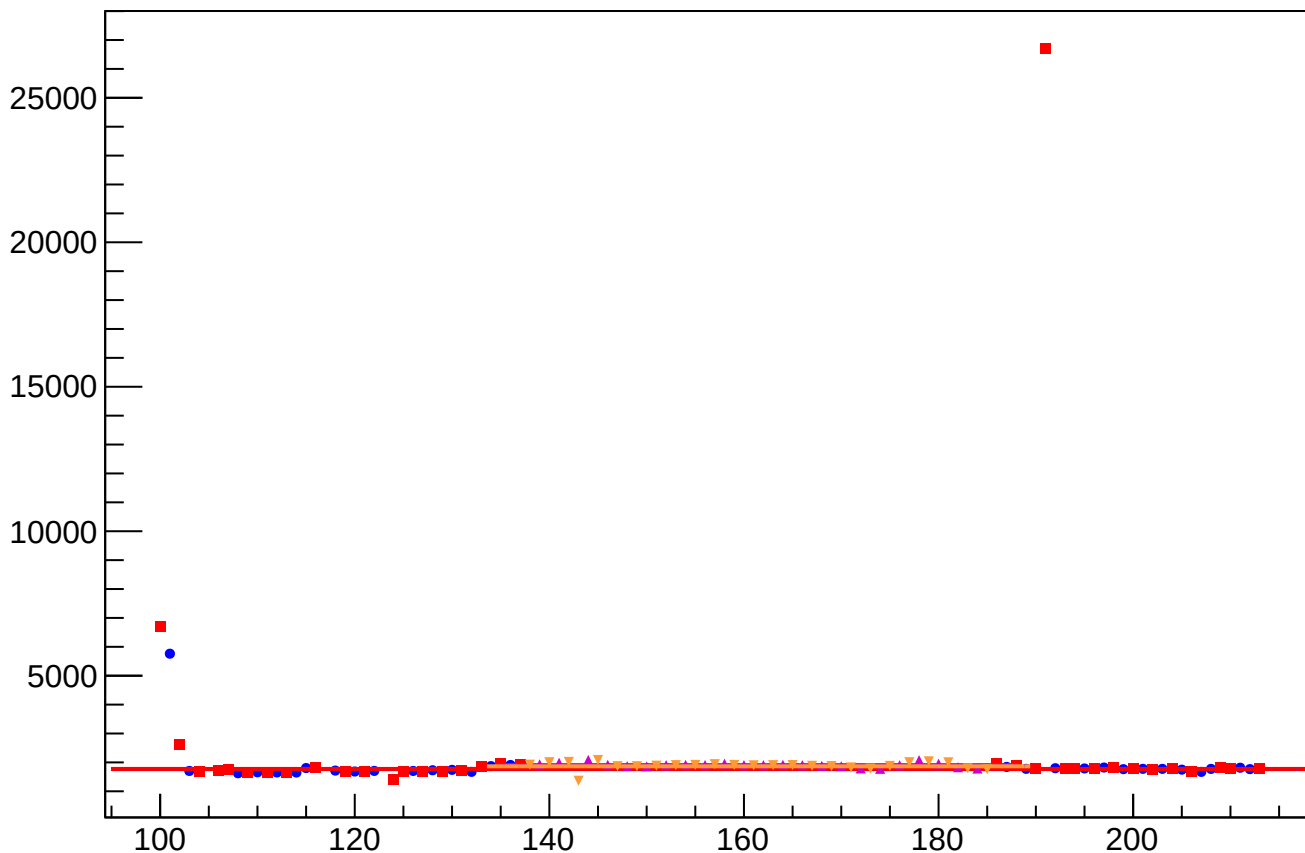
Left In: 264.609 ± 445.353 χ^2/NDF : 27.7/22

+ sign 510.016 ± 301.649 χ^2/NDF : 71.6/53

All: 342.941 ± 213.796 χ^2/NDF : 123.4/110

- sign 174.297 ± 303.063 χ^2/NDF : 51.2/56

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1768.490+/-0.303 χ^2/NDF : 678074.9/28

Left Out: 1864.841+/-0.301 χ^2/NDF : 294712.1/24

Right Out: 1773.930+/-0.292 χ^2/NDF : 569997.6/33

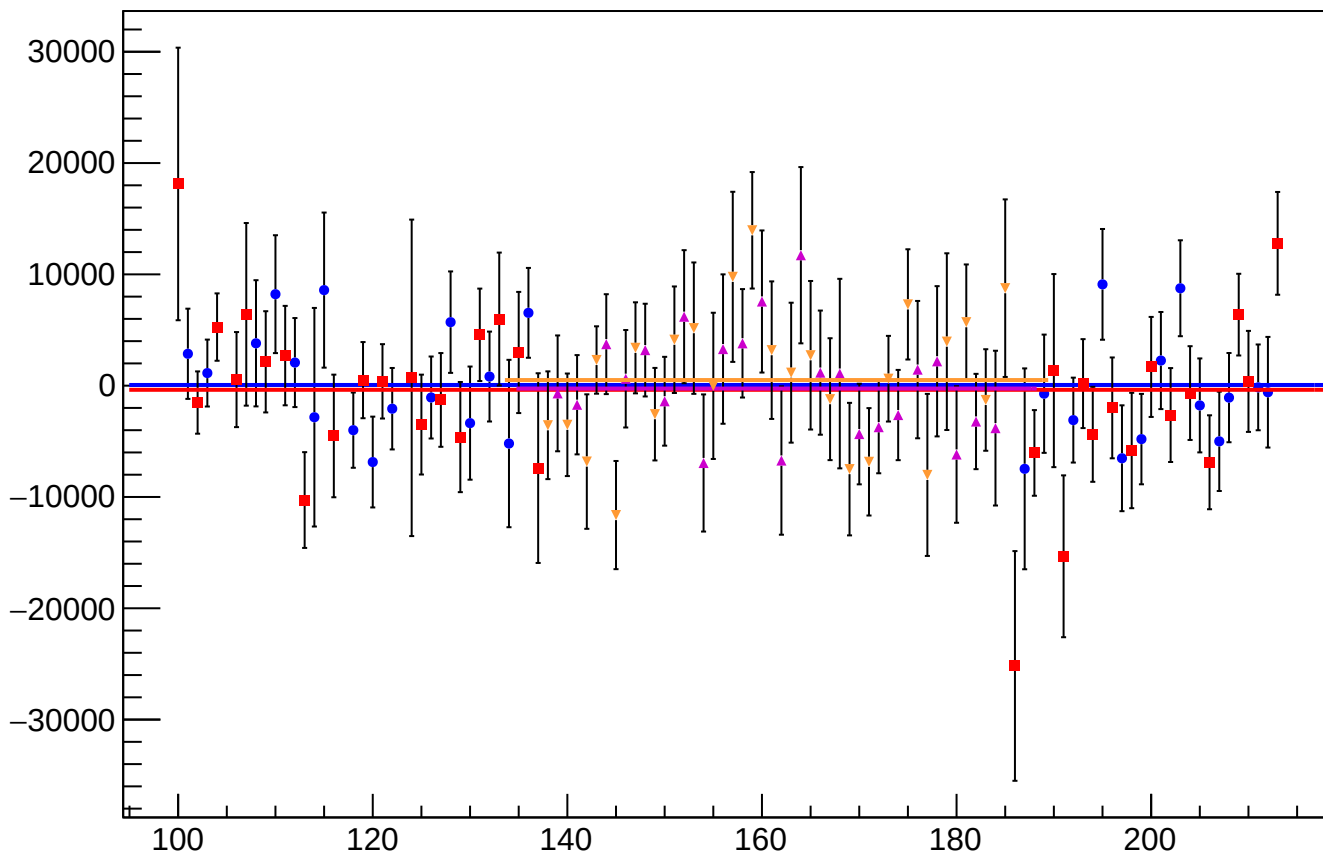
Left In: 1905.628+/-0.315 χ^2/NDF : 52781.7/22

+ sign 1816.955+/-0.213 χ^2/NDF : 1023797.6/53

All: 1825.861+/-0.151 χ^2/NDF : 1744083.7/11

- sign 1834.841+/-0.214 χ^2/NDF : 716784.7/56

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 62.806 ± 816.643 χ^2/NDF : 29.0/28

Left Out: 504.261 ± 1021.684 χ^2/NDF : 30.1/24

Right Out: -371.367 ± 776.188 χ^2/NDF : 47.1/33

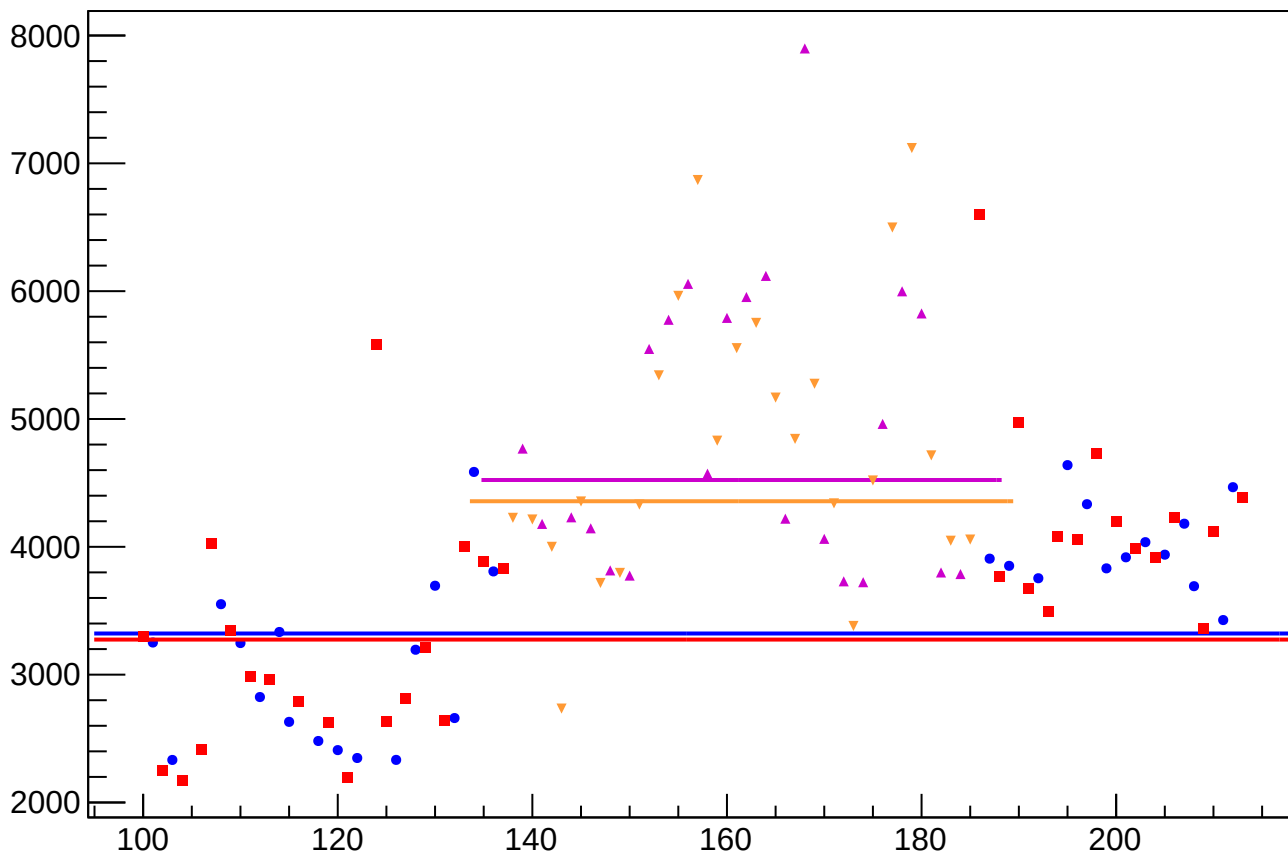
Left In: -261.050 ± 1081.402 χ^2/NDF : 13.6/22

+ sign 234.900 ± 637.905 χ^2/NDF : 59.2/53

All: -52.767 ± 448.452 χ^2/NDF : 120.3/110

- sign -333.858 ± 630.572 χ^2/NDF : 60.7/56

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3321.937 ± 0.577 χ^2/NDF : 1582285.0/28

Left Out: 4356.643 ± 0.722 χ^2/NDF : 1912322.9/24

Right Out: 3274.441 ± 0.549 χ^2/NDF : 2271277.9/33

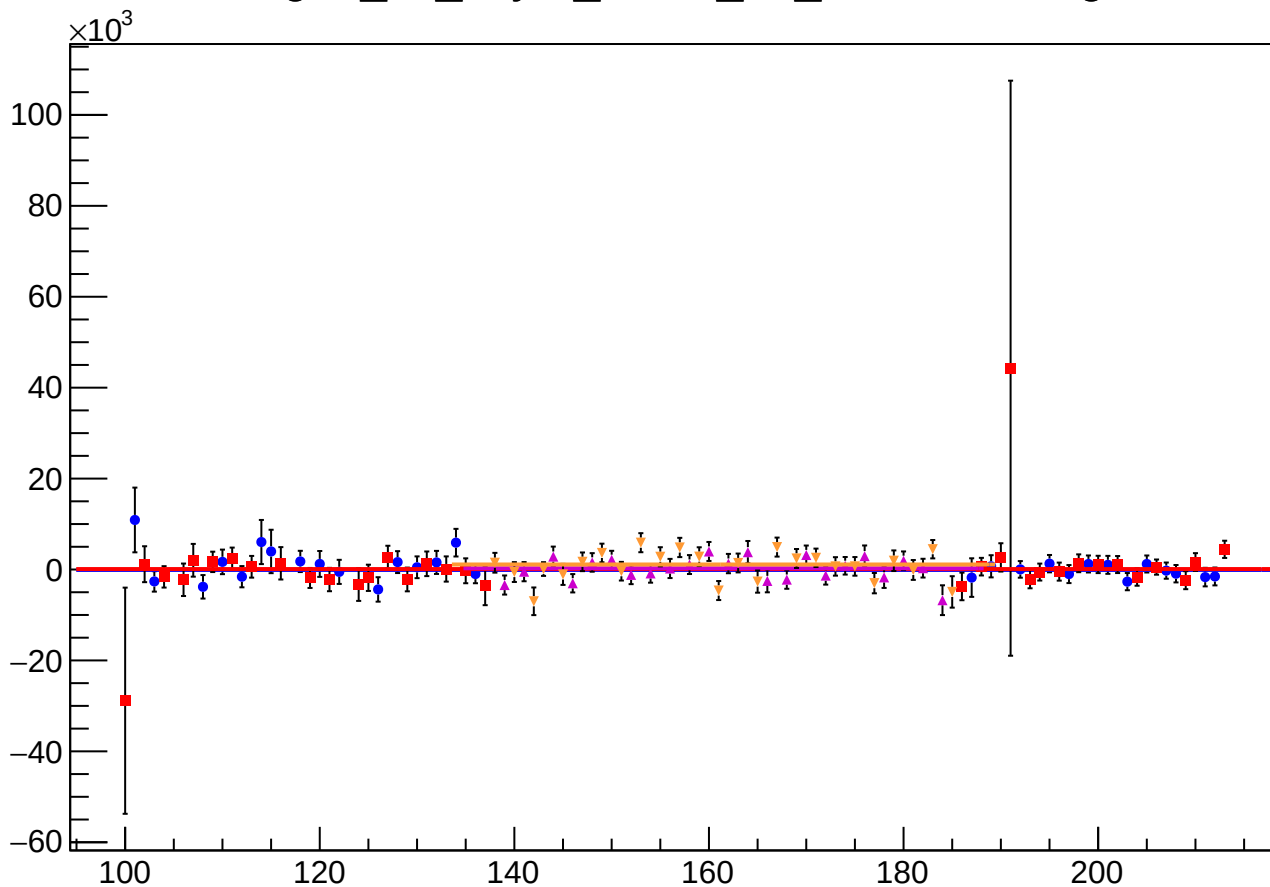
Left In: 4522.787 ± 0.765 χ^2/NDF : 1434008.9/22

+ sign 3725.300 ± 0.451 χ^2/NDF : 4746247.8/53

All: 3711.945 ± 0.317 χ^2/NDF : 10212249.0/1

- sign 3698.895 ± 0.446 χ^2/NDF : 5464267.9/56

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -90.448 ± 427.882 χ^2/NDF : 22.9/28

Left Out: 1103.310 ± 425.321 χ^2/NDF : 44.8/24

Right Out: 96.405 ± 413.598 χ^2/NDF : 23.4/33

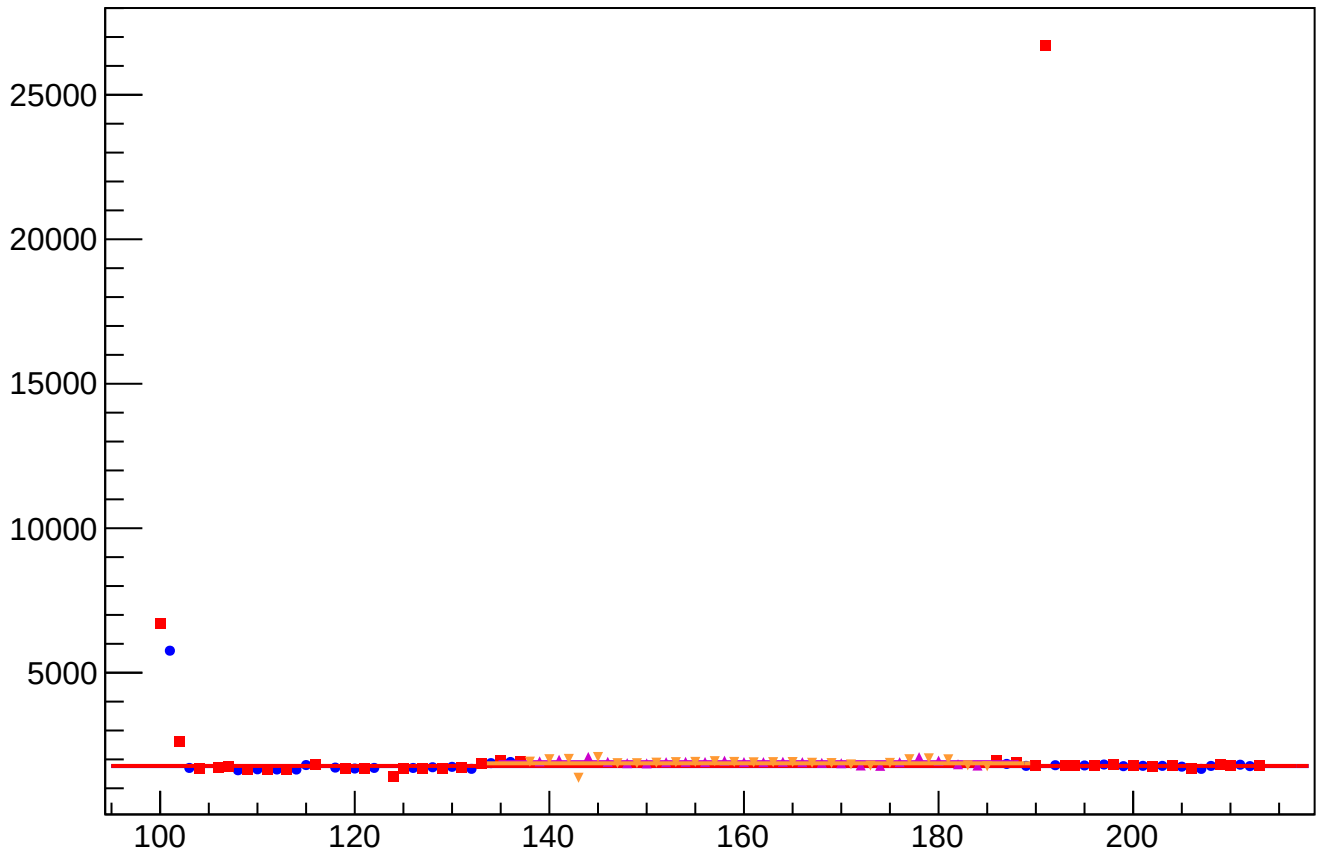
Left In: 264.609 ± 445.354 χ^2/NDF : 27.7/22

+ sign 510.015 ± 301.649 χ^2/NDF : 71.6/53

All: 342.941 ± 213.796 χ^2/NDF : 123.4/110

- sign 174.297 ± 303.063 χ^2/NDF : 51.2/56

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1768.490 $\pm$ 0.303 χ^2 /NDF: 678074.9/28

Left Out: 1864.842 $\pm$ 0.301 χ^2 /NDF: 294715.4/24

Right Out: 1773.930 $\pm$ 0.292 χ^2 /NDF: 569997.6/33

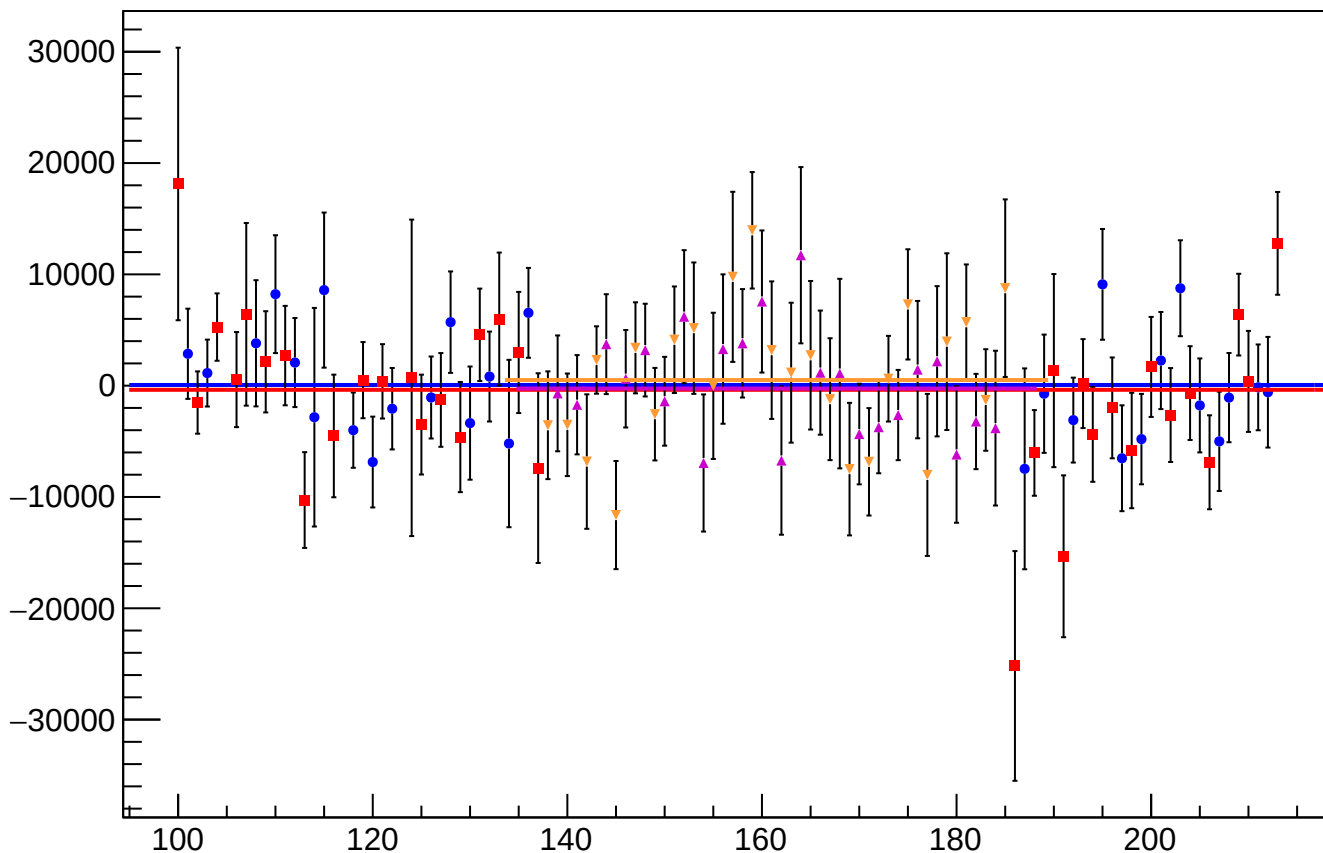
Left In: 1905.629 $\pm$ 0.315 χ^2 /NDF: 52783.9/22

+ sign 1816.955 $\pm$ 0.213 χ^2 /NDF: 1023801.8/53

All: 1825.862 $\pm$ 0.151 χ^2 /NDF: 1744091.6/11

- sign 1834.841 $\pm$ 0.214 χ^2 /NDF: 716788.3/56

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 62.804 $\pm$ 816.642 χ^2 /NDF: 29.0/28

Left Out: 504.265 $\pm$ 1021.686 χ^2 /NDF:30.1/24

Right Out: -371.363 $\pm$ 776.188 χ^2 /NDF: 47.1/33

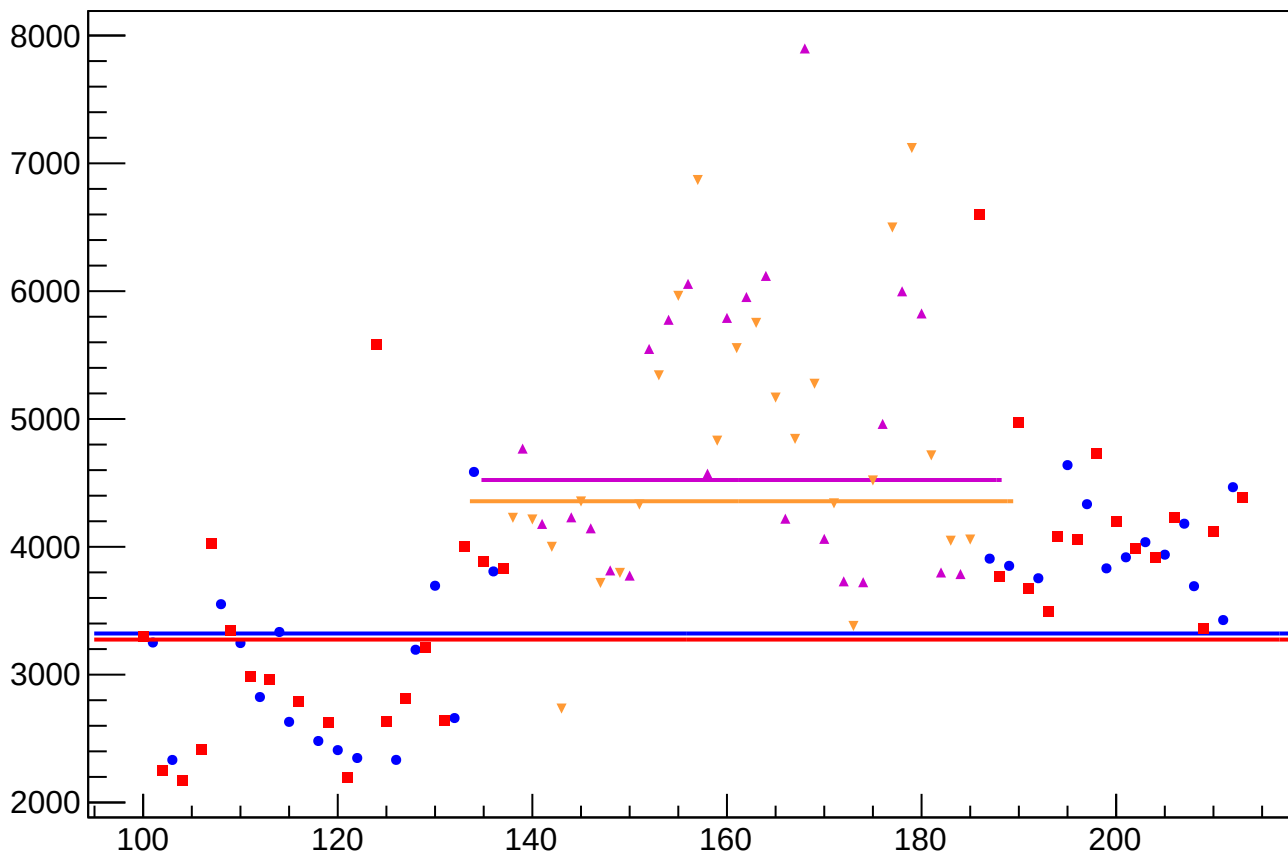
Left In: -261.051 $\pm$ 1081.404 χ^2 /NDF:13.6/22

+ sign 234.900 $\pm$ 637.905 χ^2 /NDF: 59.2/53

All: -52.766 $\pm$ 448.452 χ^2 /NDF: 120.3/110

- sign -333.856 $\pm$ 630.572 χ^2 /NDF: 60.7/56

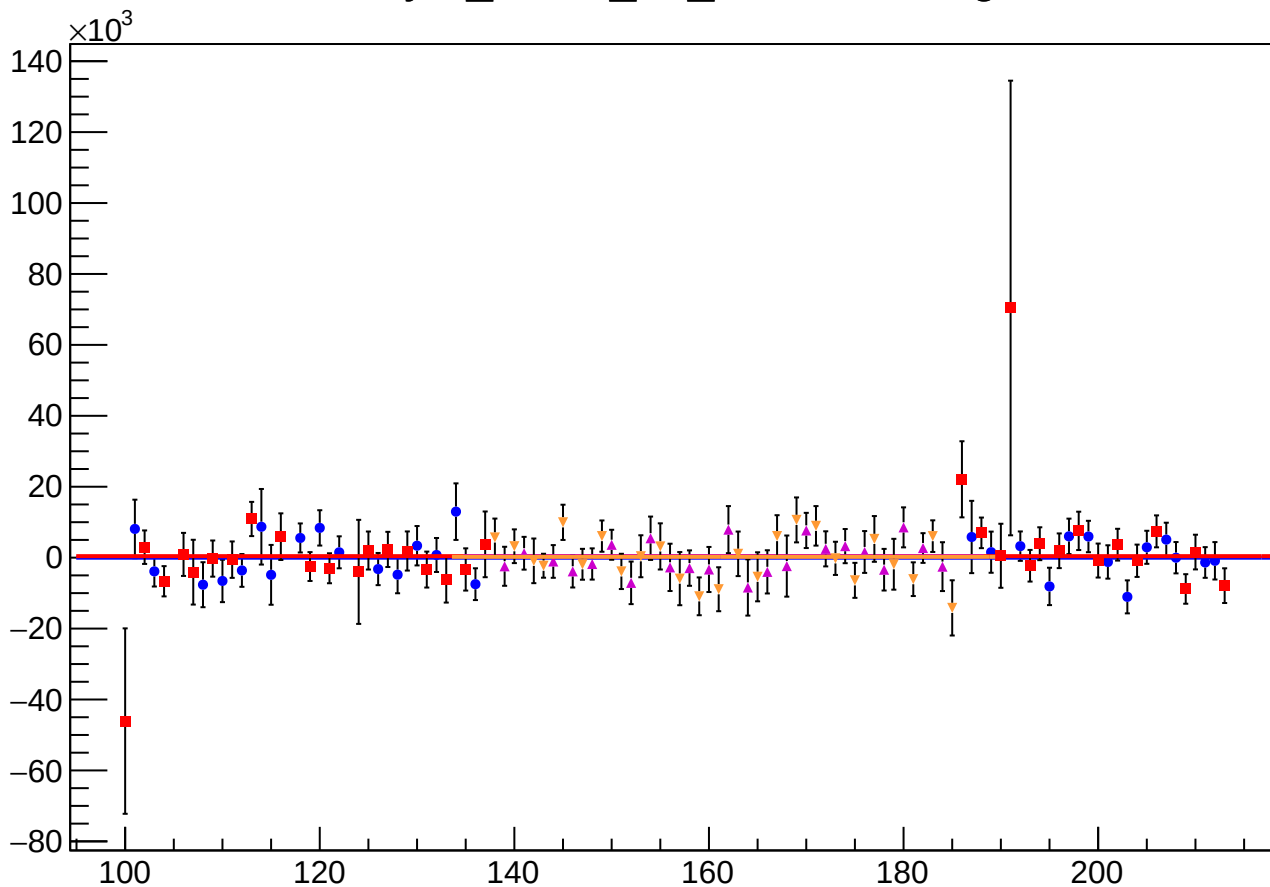
asym_atrl12_dd_eigen_dit_correction_rms vs Slug



Right In: 3321.934 $\pm$ 0.577 χ^2 /NDF: 1582317.2/28
 Left Out: 4356.650 $\pm$ 0.722 χ^2 /NDF: 1912327.4/24
 Right Out: 3274.438 $\pm$ 0.549 χ^2 /NDF: 2271297.7/33
 Left In: 4522.795 $\pm$ 0.765 χ^2 /NDF: 1434009.9/22

+ sign 3725.300 $\pm$ 0.451 χ^2 /NDF: 4746305.9/53
 All: 3711.945 $\pm$ 0.317 χ^2 /NDF: 10212354.9/1
 - sign 3698.894 $\pm$ 0.446 χ^2 /NDF: 5464315.7/56

asym_atr1l2_dd_mean vs Slug



Right In: -7.856 ± 947.377 χ^2/NDF : 32.0/28

Left Out: 239.929 ± 1064.647 χ^2/NDF : 32.2/24

Right Out: 424.863 ± 915.162 χ^2/NDF : 36.9/33

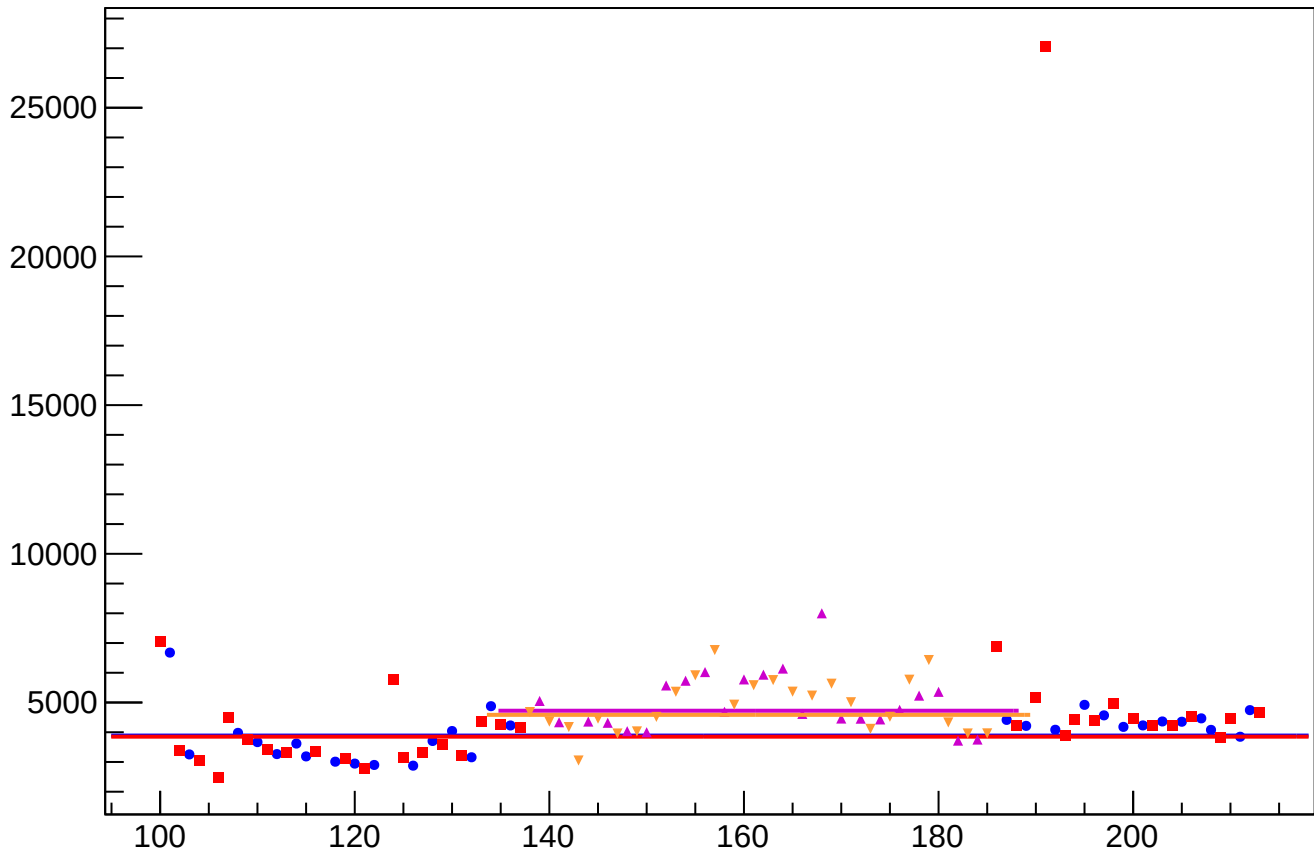
Left In: 397.881 ± 1121.323 χ^2/NDF : 14.2/22

+ sign 101.643 ± 707.740 χ^2/NDF : 64.2/53

All: 257.581 ± 500.894 χ^2/NDF : 115.5/110

- sign 414.076 ± 709.004 χ^2/NDF : 51.1/56

asym_atr1l2_dd_rms vs Slug



Right In: 3887.944+/-0.670 χ^2/NDF : 1054956.8/28

Left Out: 4584.664+/-0.753 χ^2/NDF : 1311720.7/24

Right Out: 3851.336+/-0.642 χ^2/NDF : 1504634.9/33

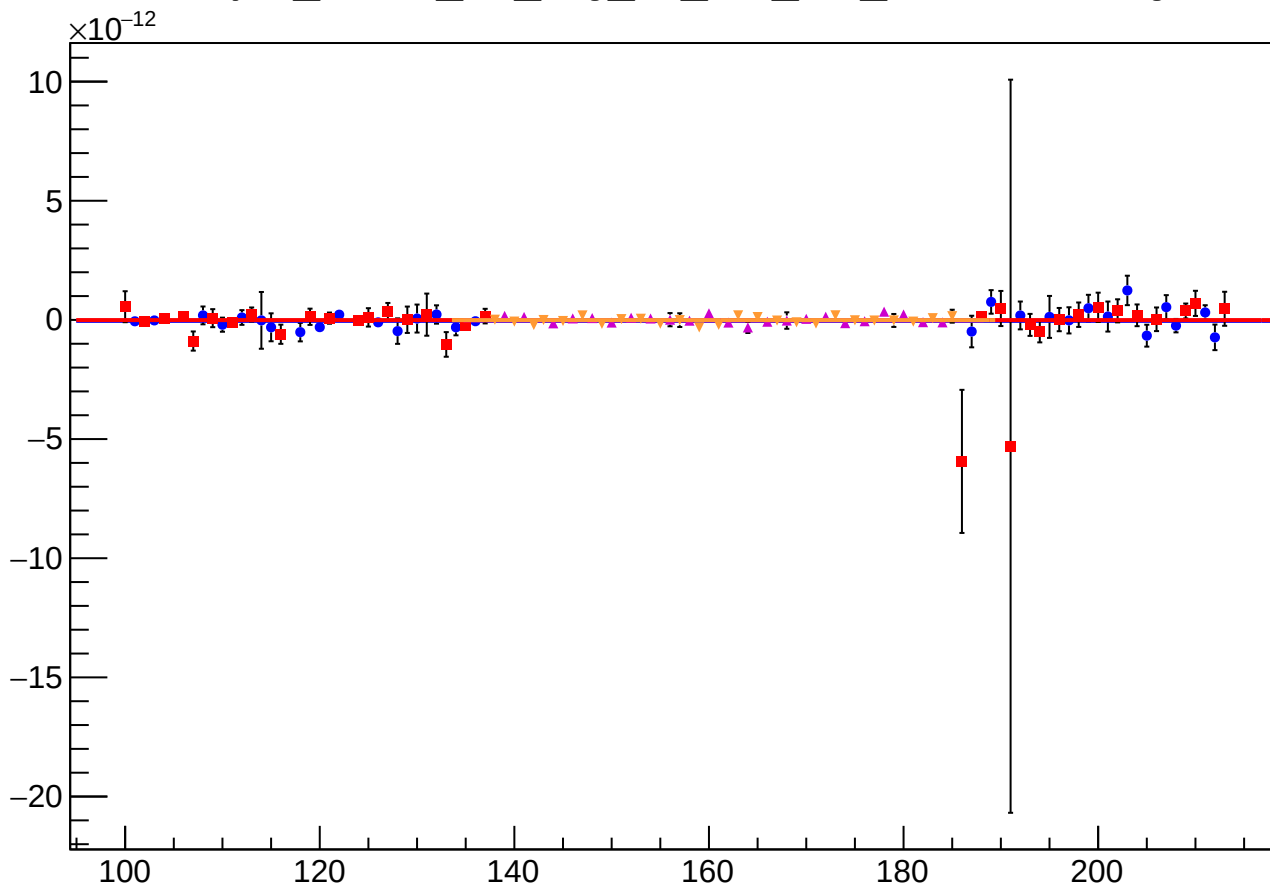
Left In: 4723.014+/-0.793 χ^2/NDF : 1016613.0/22

+ sign 4195.833+/-0.500 χ^2/NDF : 2844688.5/53

All: 4196.312+/-0.353 χ^2/NDF : 6095558.3/11

- sign 4196.789+/-0.499 χ^2/NDF : 3250867.9/56

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 23.8/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 22.8/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 30.5/33

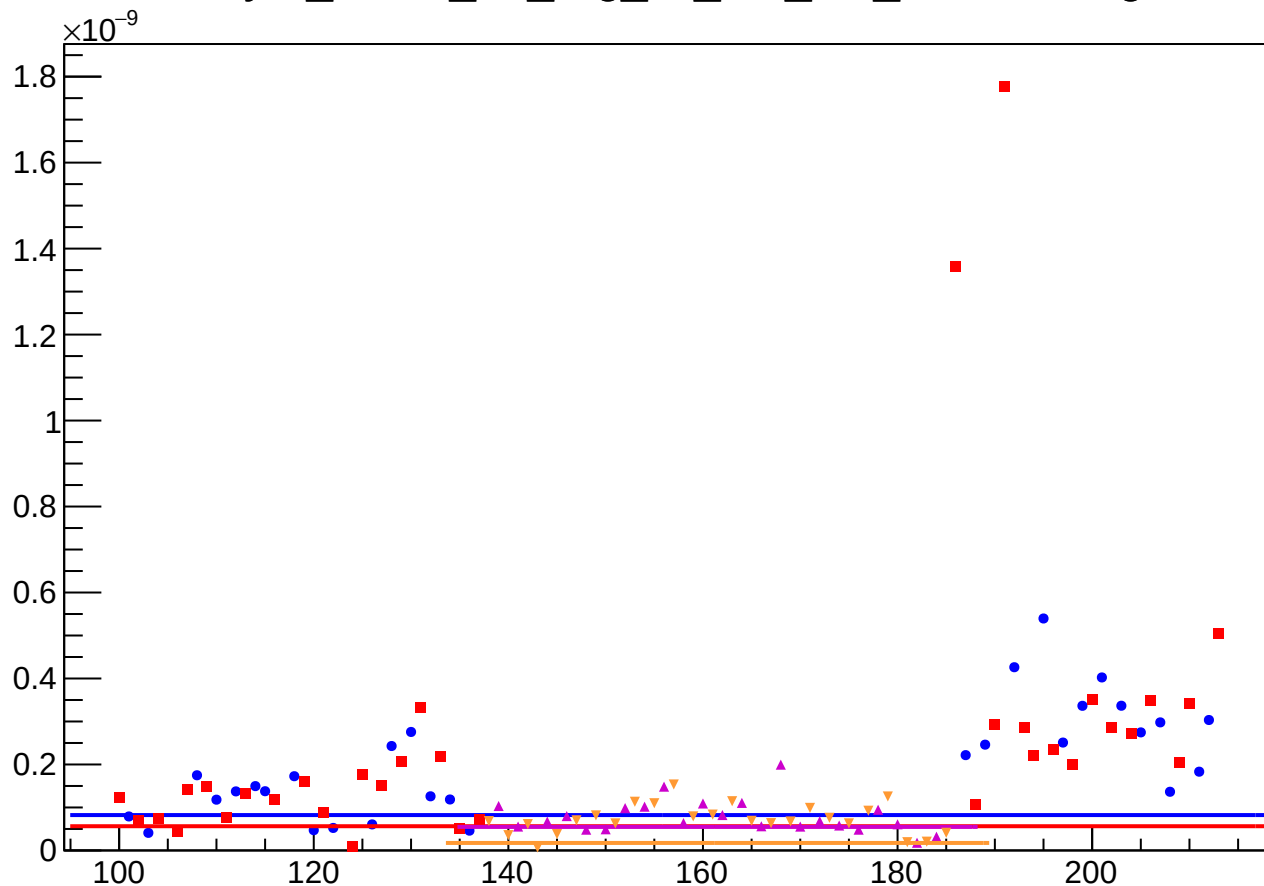
Left In: -0.000+/-0.000 χ^2 /NDF: 26.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 47.1/53

All: -0.000+/-0.000 χ^2 /NDF: 103.7/110

- sign -0.000+/-0.000 χ^2 /NDF: 56.6/56

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6147009.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8870606.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9354255.0/33

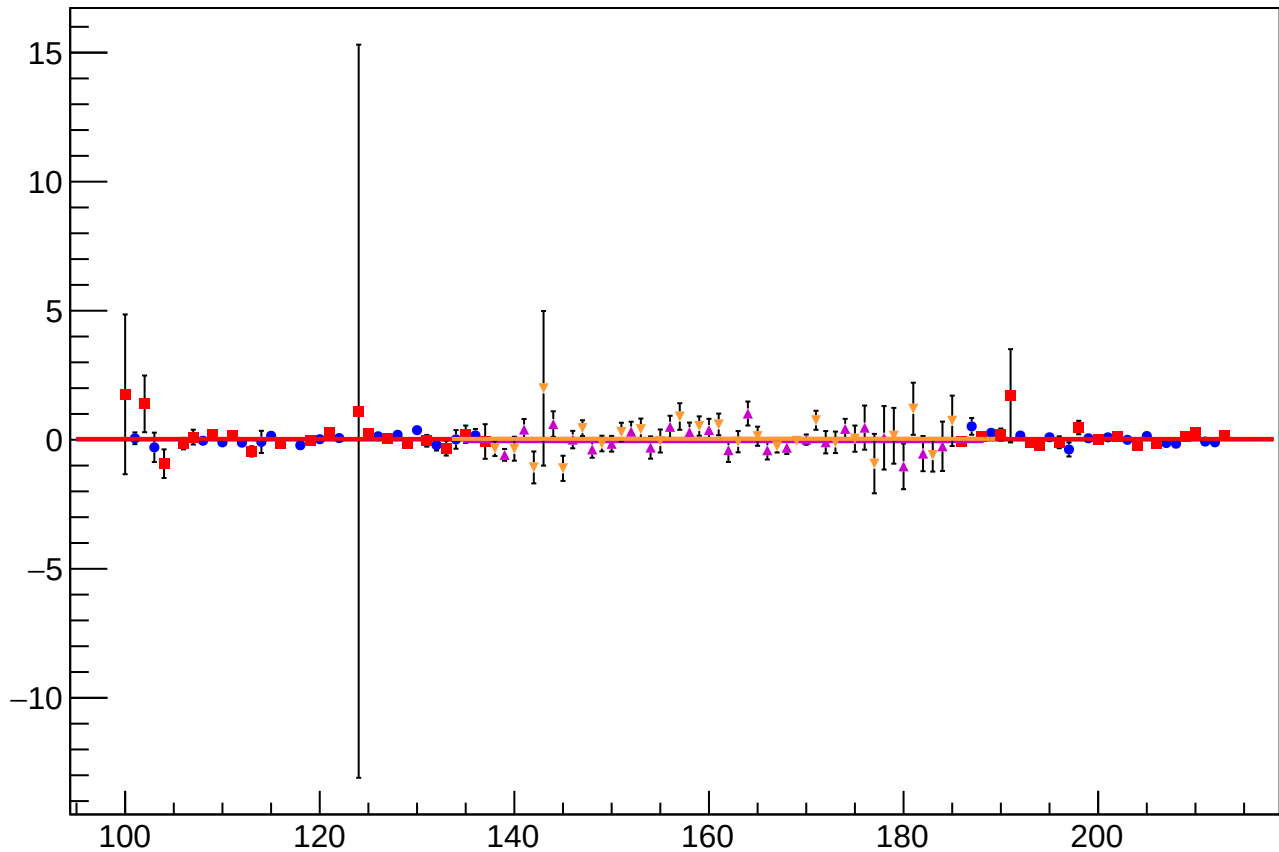
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2798764.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 19435894.5/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 36047068.3/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12155913.3/56

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.032 χ^2 /NDF: 25.1/28

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.034 $\pm$ 0.030 χ^2 /NDF: 41.4/33

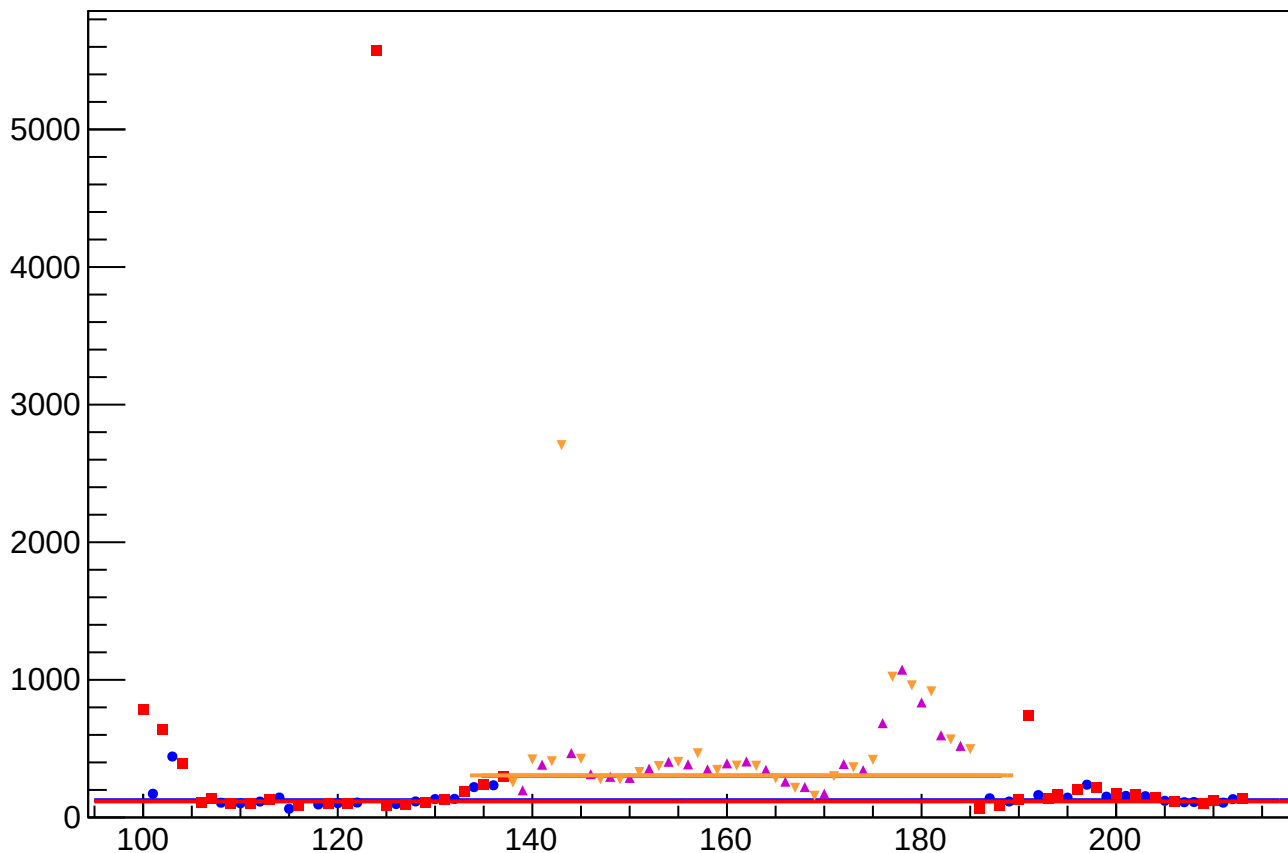
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.1/22

+ sign 0.015 $\pm$ 0.030 χ^2 /NDF: 55.6/53

All: 0.019 $\pm$ 0.020 χ^2 /NDF: 124.3/110

- sign 0.023 $\pm$ 0.028 χ^2 /NDF: 68.7/56

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 125.311 $\pm$ 0.023 χ^2 /NDF: 2516907.2/28

Left Out: 305.950 $\pm$ 0.055 χ^2 /NDF: 6634928.0/24

Right Out: 116.635 $\pm$ 0.021 χ^2 /NDF: 4452769.3/33

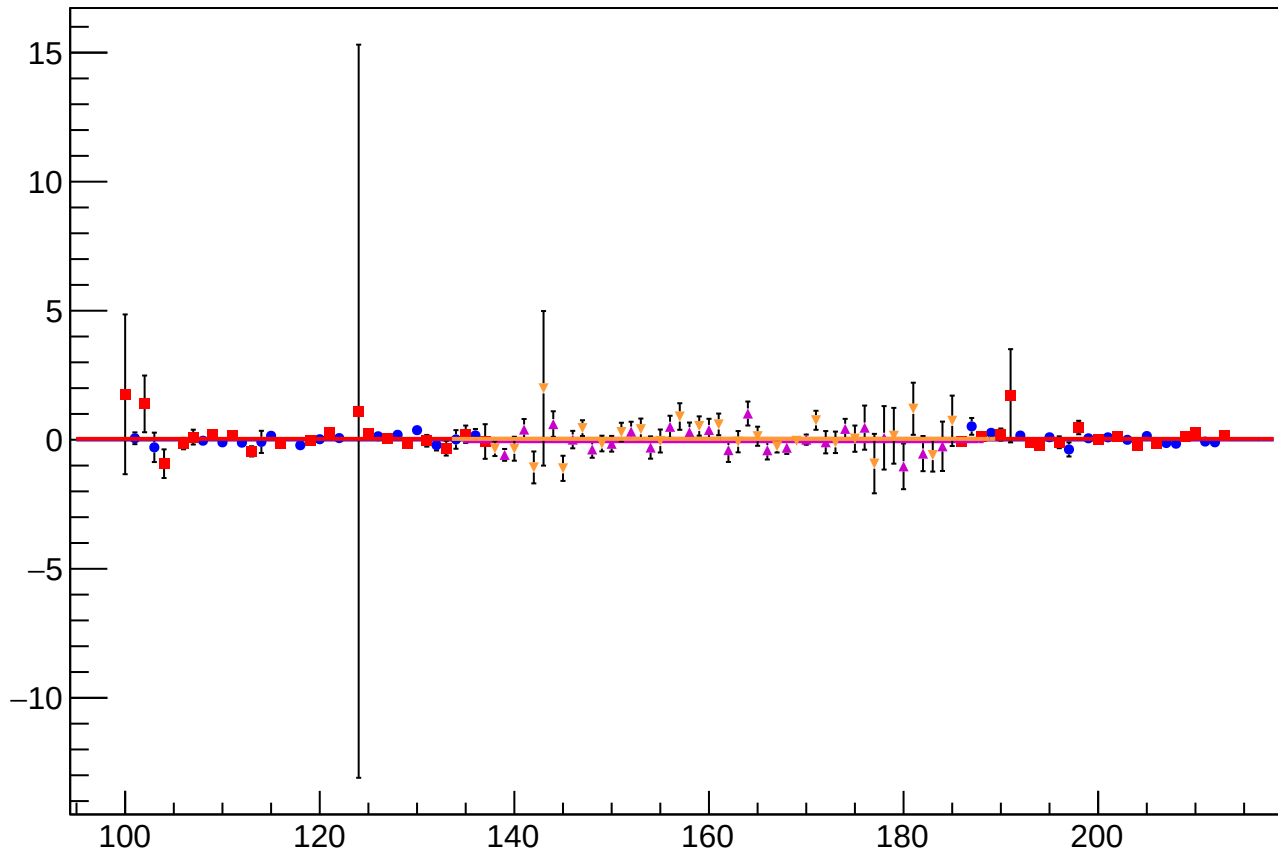
Left In: 303.278 $\pm$ 0.055 χ^2 /NDF: 4813442.3/22

+ sign 151.473 $\pm$ 0.021 χ^2 /NDF: 18339785.2/53

All: 145.814 $\pm$ 0.014 χ^2 /NDF: 37889728.0/1

- sign 140.830 $\pm$ 0.020 χ^2 /NDF: 19413016.4/56

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.032 χ^2/NDF : 25.1/28

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.034 ± 0.030 χ^2/NDF : 41.4/33

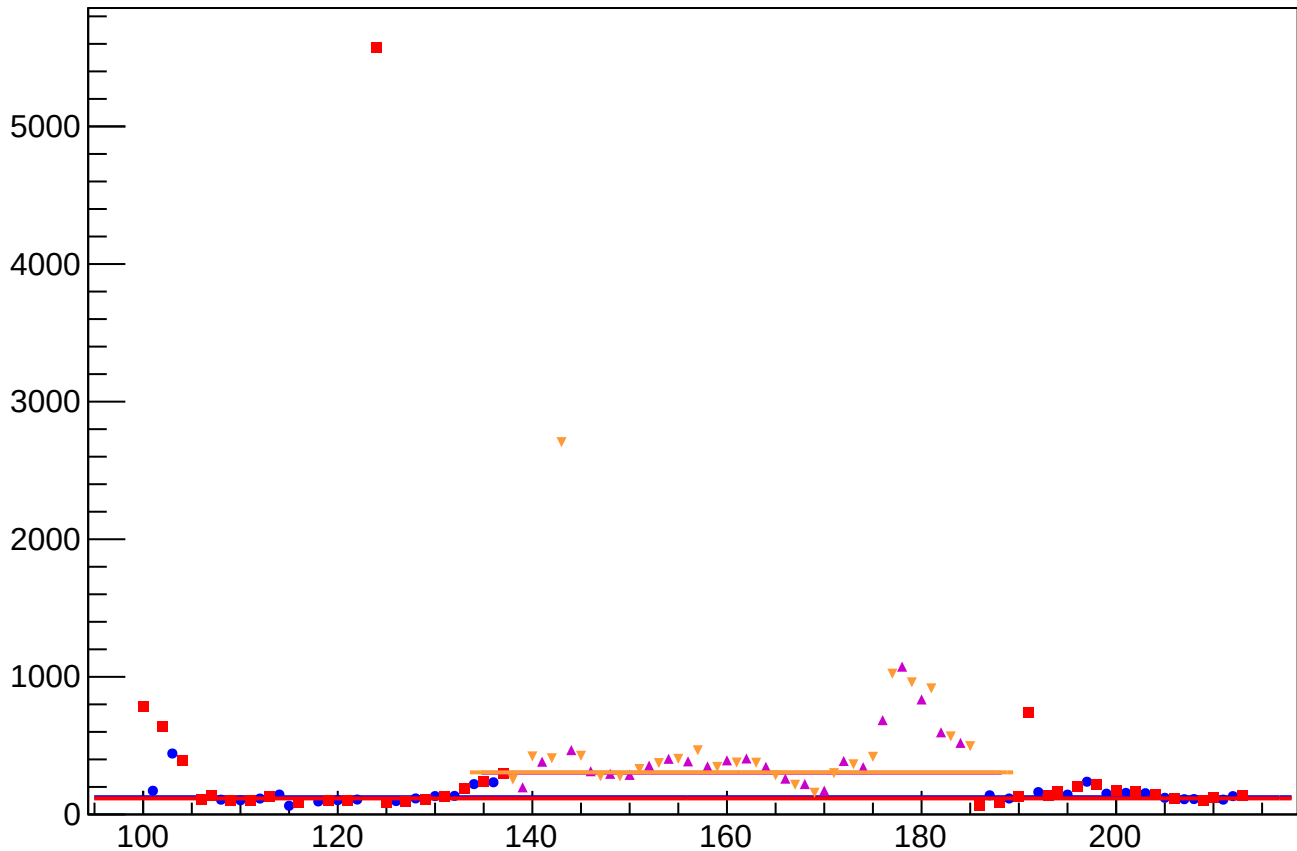
Left In: -0.056 ± 0.077 χ^2/NDF : 26.1/22

+ sign 0.015 ± 0.030 χ^2/NDF : 55.6/53

All: 0.019 ± 0.020 χ^2/NDF : 124.3/110

- sign 0.023 ± 0.028 χ^2/NDF : 68.7/56

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.311+/-0.023 χ^2/NDF : 2516907.2/28

Left Out: 305.950+/-0.055 χ^2/NDF : 6634928.0/24

Right Out: 116.635+/-0.021 χ^2/NDF : 4452769.3/33

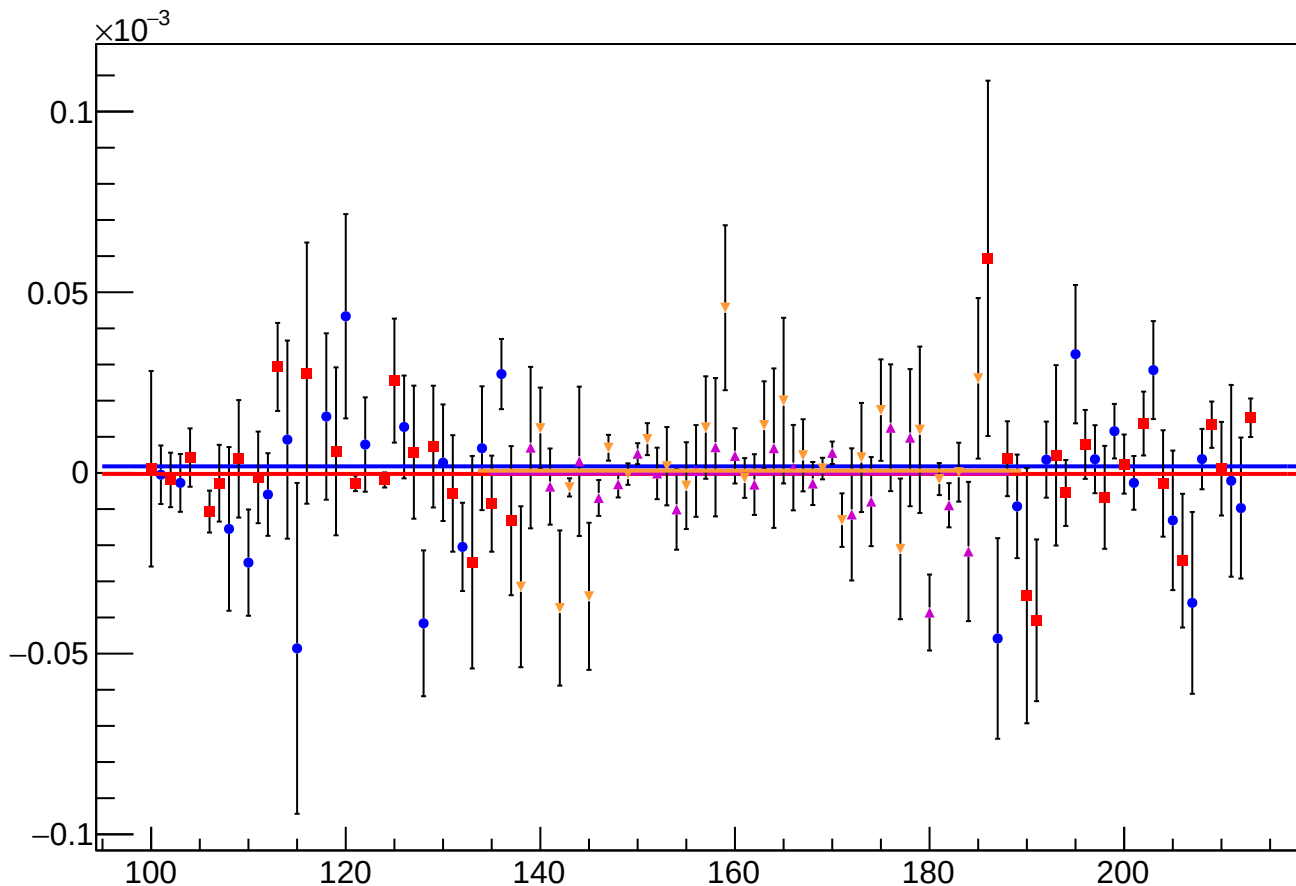
Left In: 303.278+/-0.055 χ^2/NDF : 4813442.3/22

+ sign 151.473+/-0.021 χ^2/NDF : 18339785.2/53

All: 145.814+/-0.014 χ^2/NDF : 37889728.0/11

- sign 140.830+/-0.020 χ^2/NDF : 19413016.4/56

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.0/33

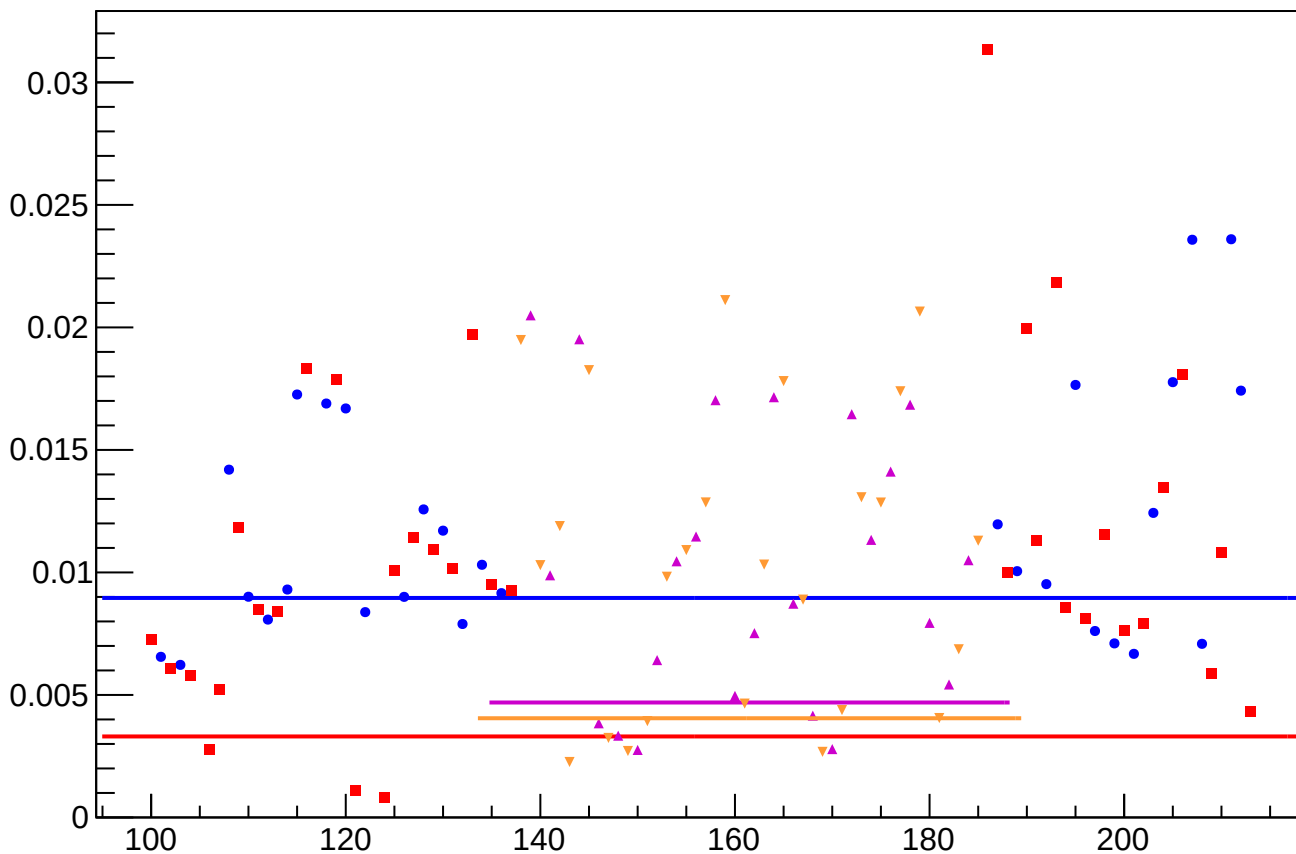
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:29.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 146.0/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 70.8/56

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 4247142.9/28

Left Out: 0.004+/-0.000 χ^2/NDF :13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF : 20102412.9/33

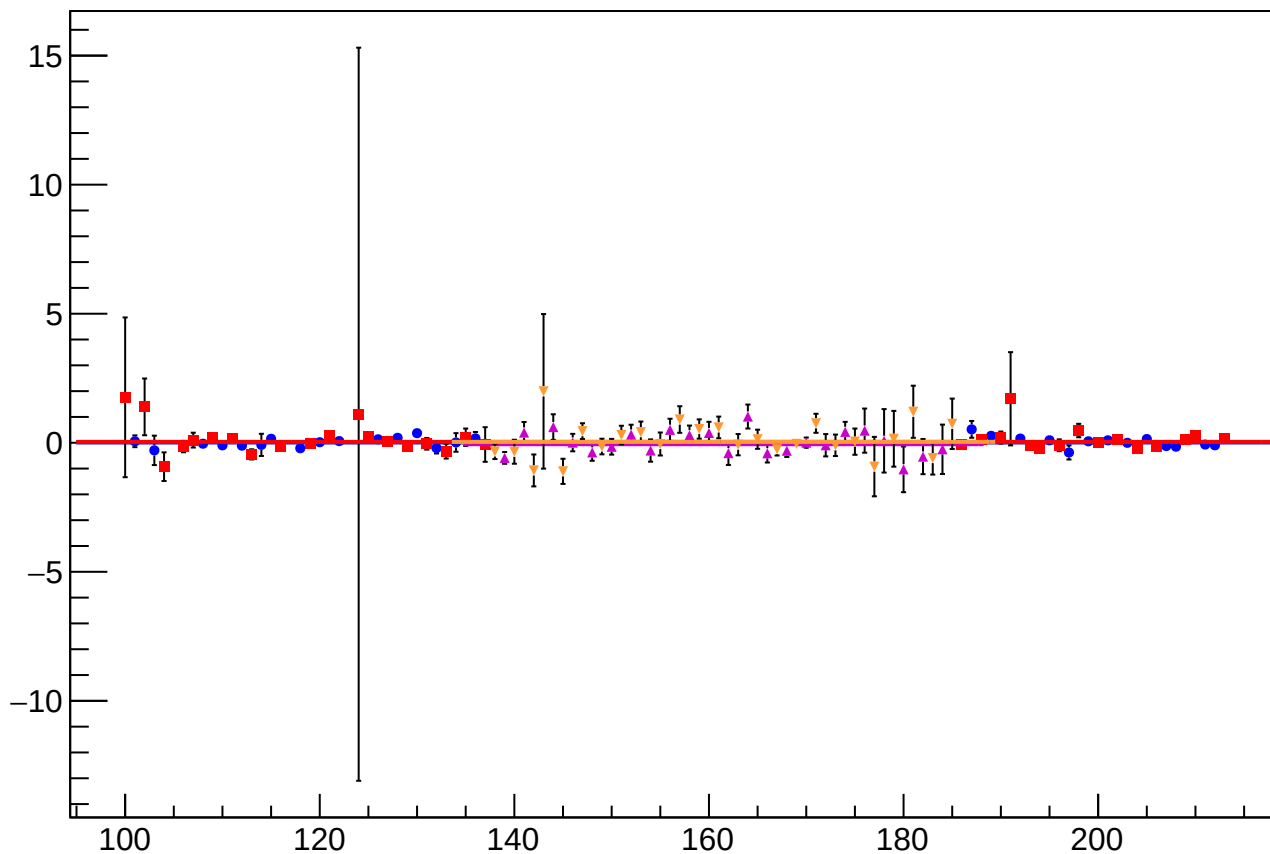
Left In: 0.005+/-0.000 χ^2/NDF :10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 24731892.8/53

All: 0.004+/-0.000 χ^2/NDF : 58216053.4/110

- sign 0.004+/-0.000 χ^2/NDF : 32096454.1/56

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.032 χ^2/NDF : 25.1/28

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.034 ± 0.030 χ^2/NDF : 41.4/33

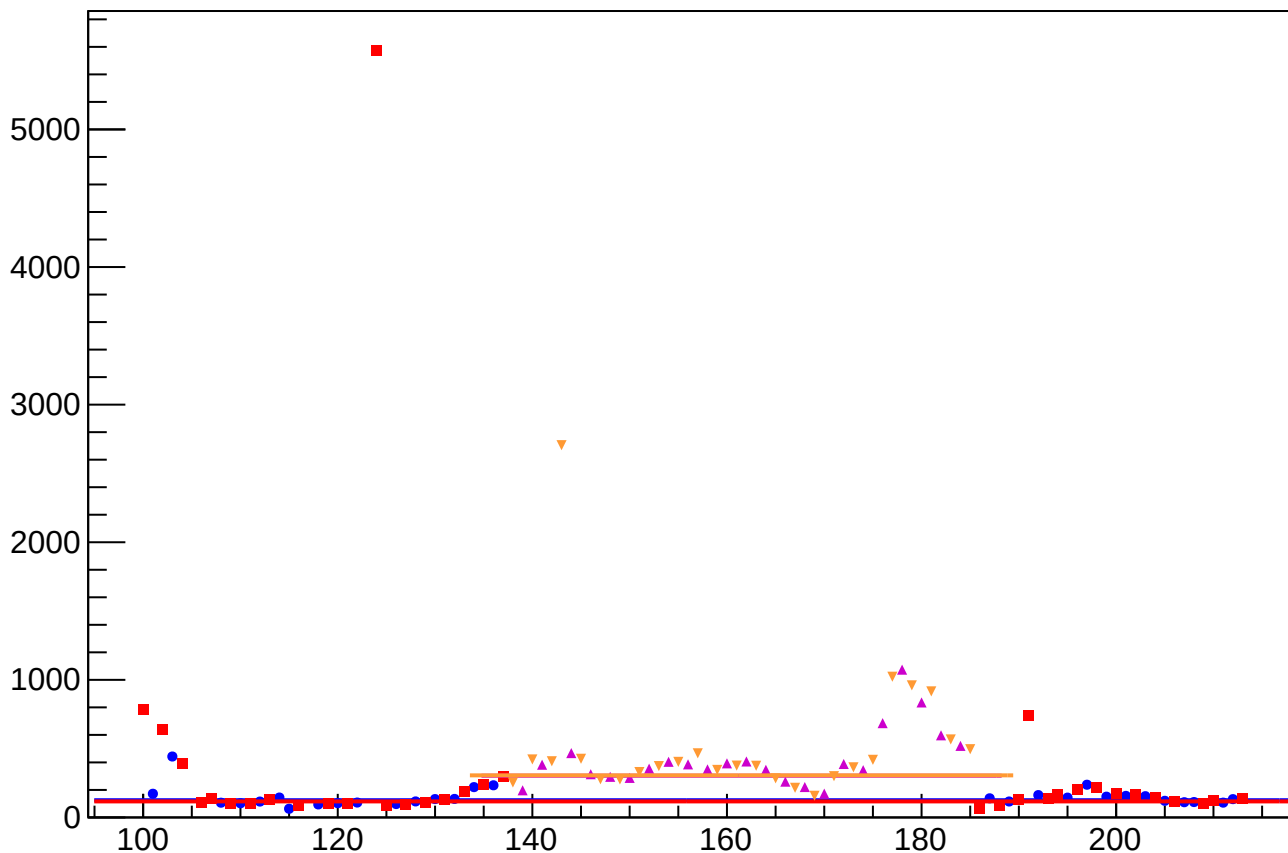
Left In: -0.056 ± 0.077 χ^2/NDF : 26.0/22

+ sign 0.015 ± 0.030 χ^2/NDF : 55.6/53

All: 0.019 ± 0.020 χ^2/NDF : 124.3/110

- sign 0.023 ± 0.028 χ^2/NDF : 68.7/56

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 125.312 $\pm$ 0.023 χ^2 /NDF: 2516865.5/28

Left Out: 305.951 $\pm$ 0.055 χ^2 /NDF:6634999.6/24

Right Out: 116.636 $\pm$ 0.021 χ^2 /NDF: 4452609.4/33

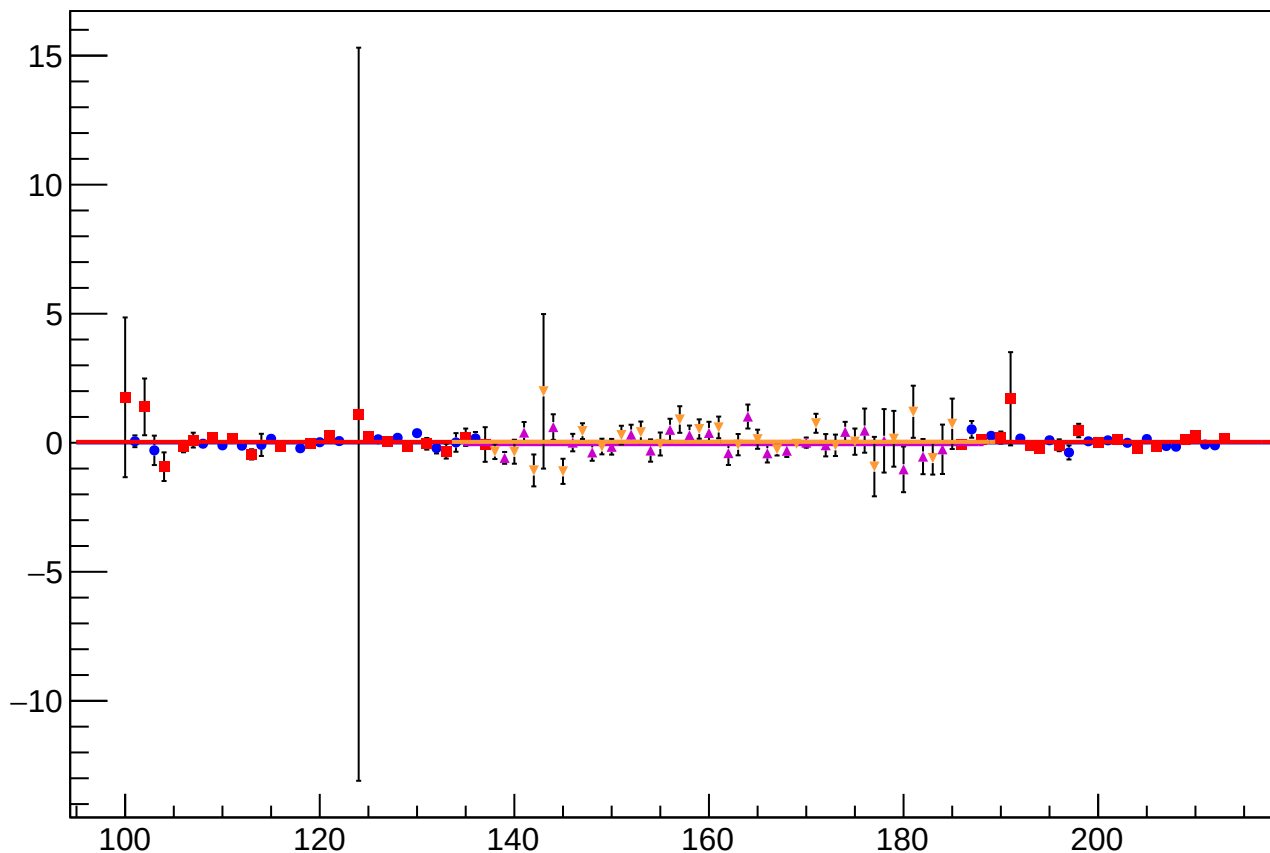
Left In: 303.281 $\pm$ 0.055 χ^2 /NDF:4813426.5/22

+ sign 151.475 $\pm$ 0.021 χ^2 /NDF: 18339725.5/53

All: 145.815 $\pm$ 0.014 χ^2 /NDF: 37889515.7/1

- sign 140.832 $\pm$ 0.020 χ^2 /NDF: 19412856.7/56

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.032 χ^2/NDF : 25.1/28

Left Out: 0.034 ± 0.078 χ^2/NDF : 30.5/24

Right Out: 0.034 ± 0.030 χ^2/NDF : 41.4/33

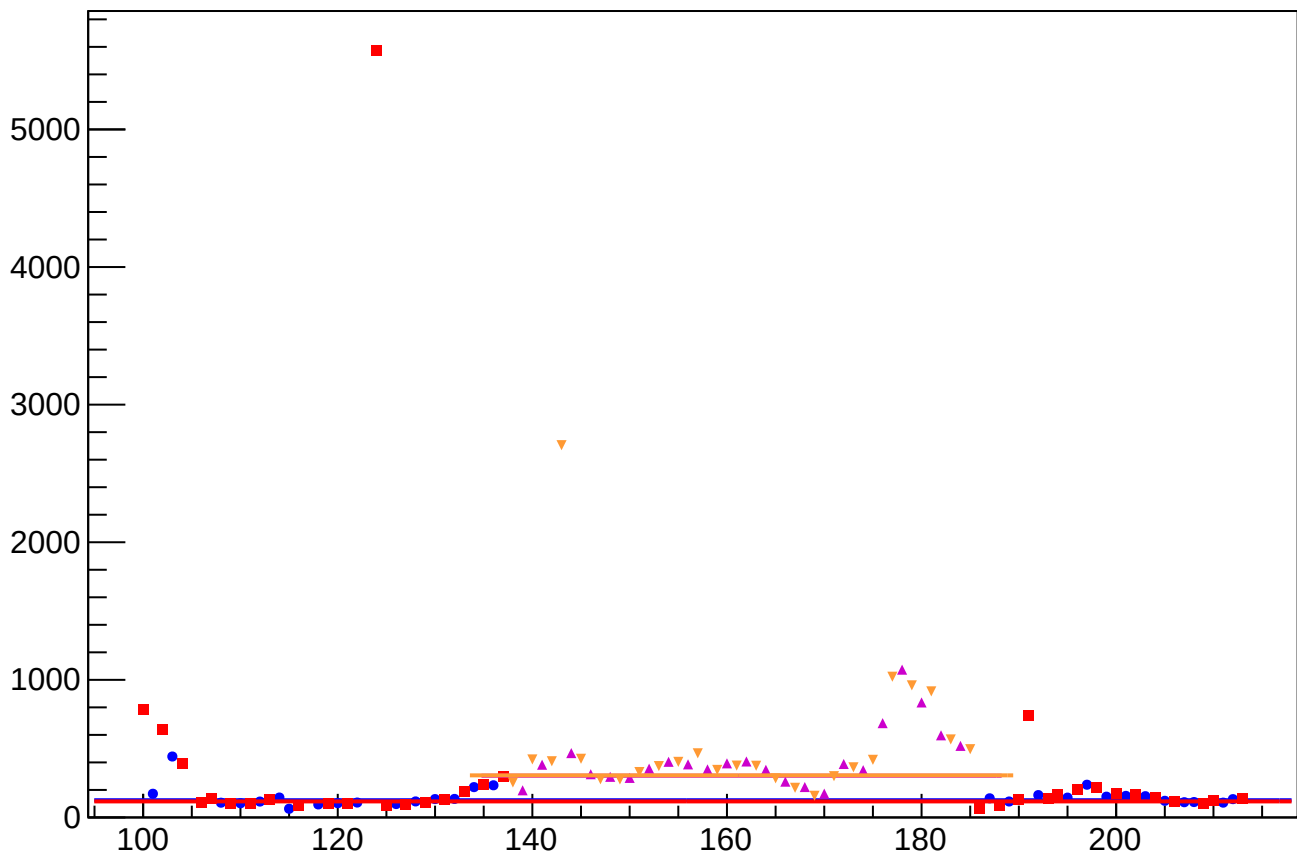
Left In: -0.056 ± 0.077 χ^2/NDF : 26.0/22

+ sign 0.015 ± 0.030 χ^2/NDF : 55.6/53

All: 0.019 ± 0.020 χ^2/NDF : 124.3/110

- sign 0.023 ± 0.028 χ^2/NDF : 68.7/56

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.312+/-0.023 χ^2/NDF : 2516865.5/28

Left Out: 305.951+/-0.055 χ^2/NDF : 6634999.6/24

Right Out: 116.636+/-0.021 χ^2/NDF : 4452609.4/33

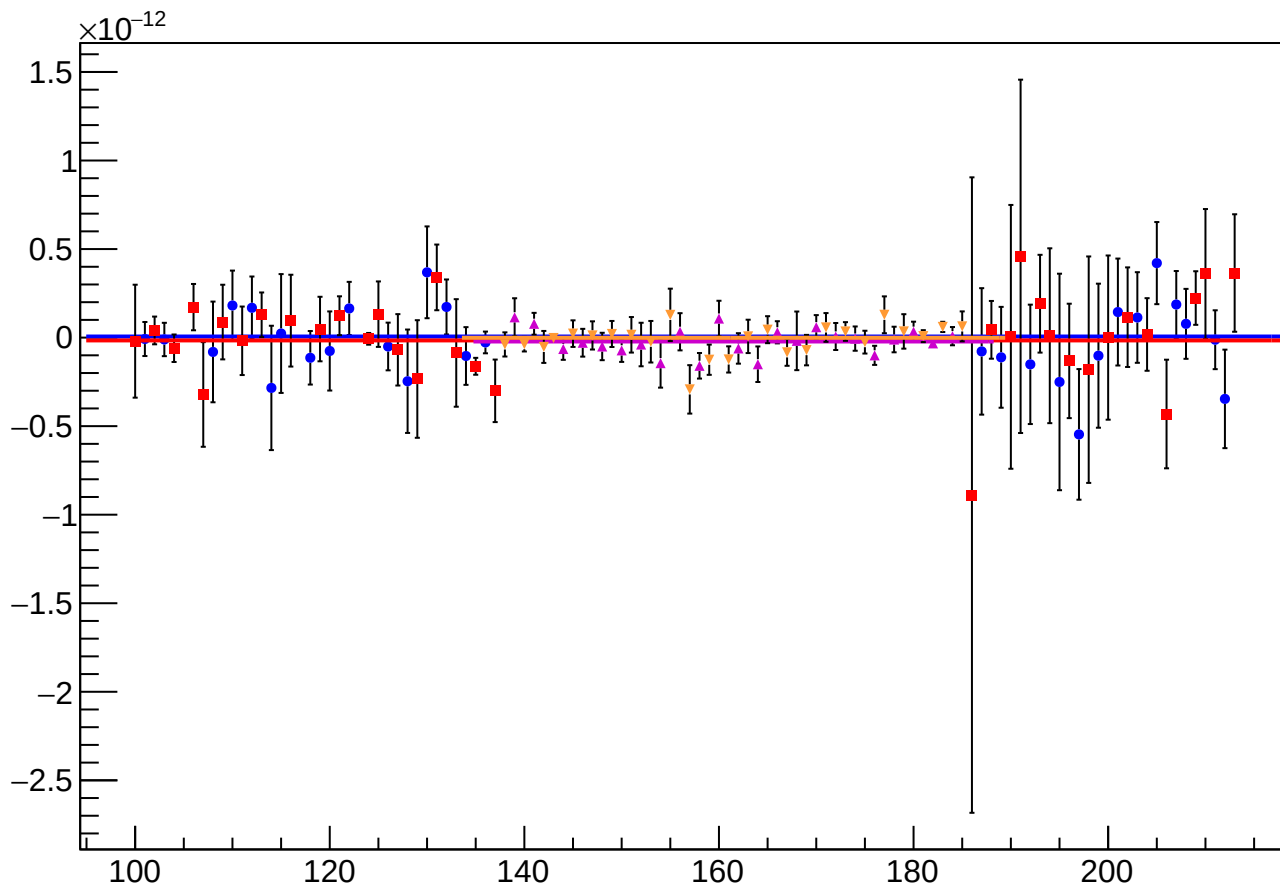
Left In: 303.281+/-0.055 χ^2/NDF : 4813426.5/22

+ sign 151.475+/-0.021 χ^2/NDF : 18339725.5/53

All: 145.815+/-0.014 χ^2/NDF : 37889515.7/11

- sign 140.832+/-0.020 χ^2/NDF : 19412856.7/56

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.3/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.7/33

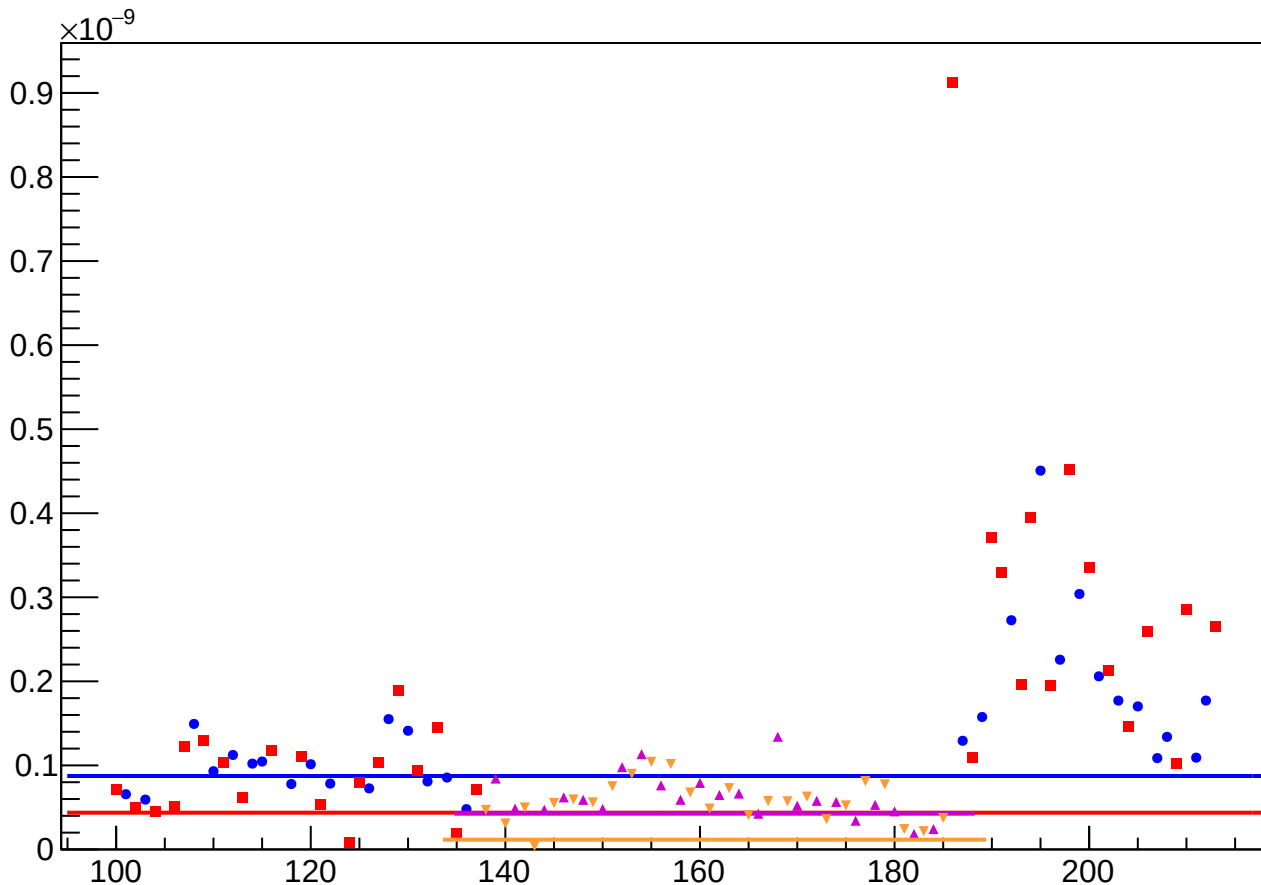
Left In: -0.000 ± 0.000 χ^2/NDF : 19.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 40.4/53

All: -0.000 ± 0.000 χ^2/NDF : 95.1/110

- sign -0.000 ± 0.000 χ^2/NDF : 52.3/56

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4990830.9/28

Left Out: 0.000+/-0.000 χ^2/NDF :17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14294049.6/33

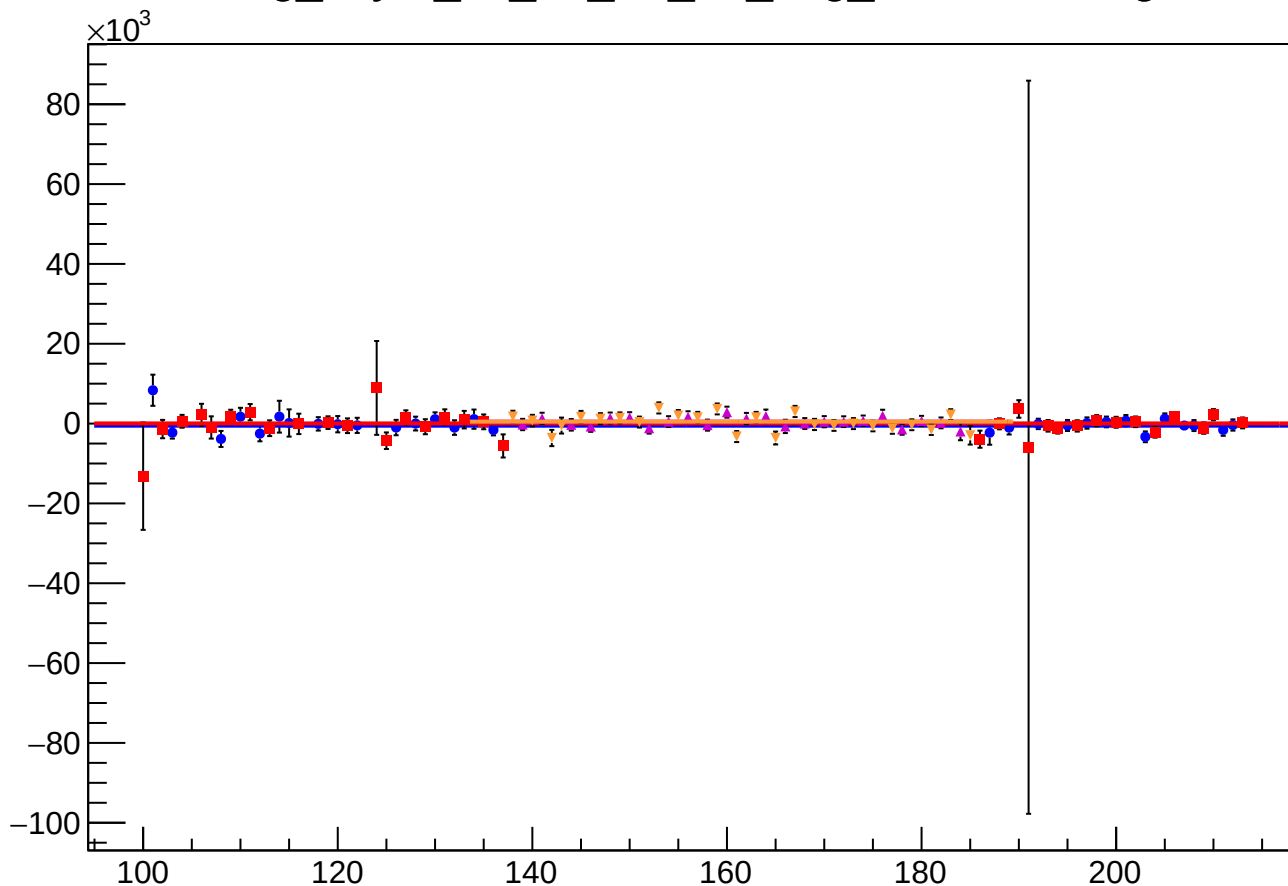
Left In: 0.000+/-0.000 χ^2/NDF :5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 34327772.8/53

All: 0.000+/-0.000 χ^2/NDF : 64419658.4/110

- sign 0.000+/-0.000 χ^2/NDF : 19718697.6/56

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -521.752 ± 308.382 χ^2/NDF : 22.4/28

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 43.378 ± 300.709 χ^2/NDF : 31.1/33

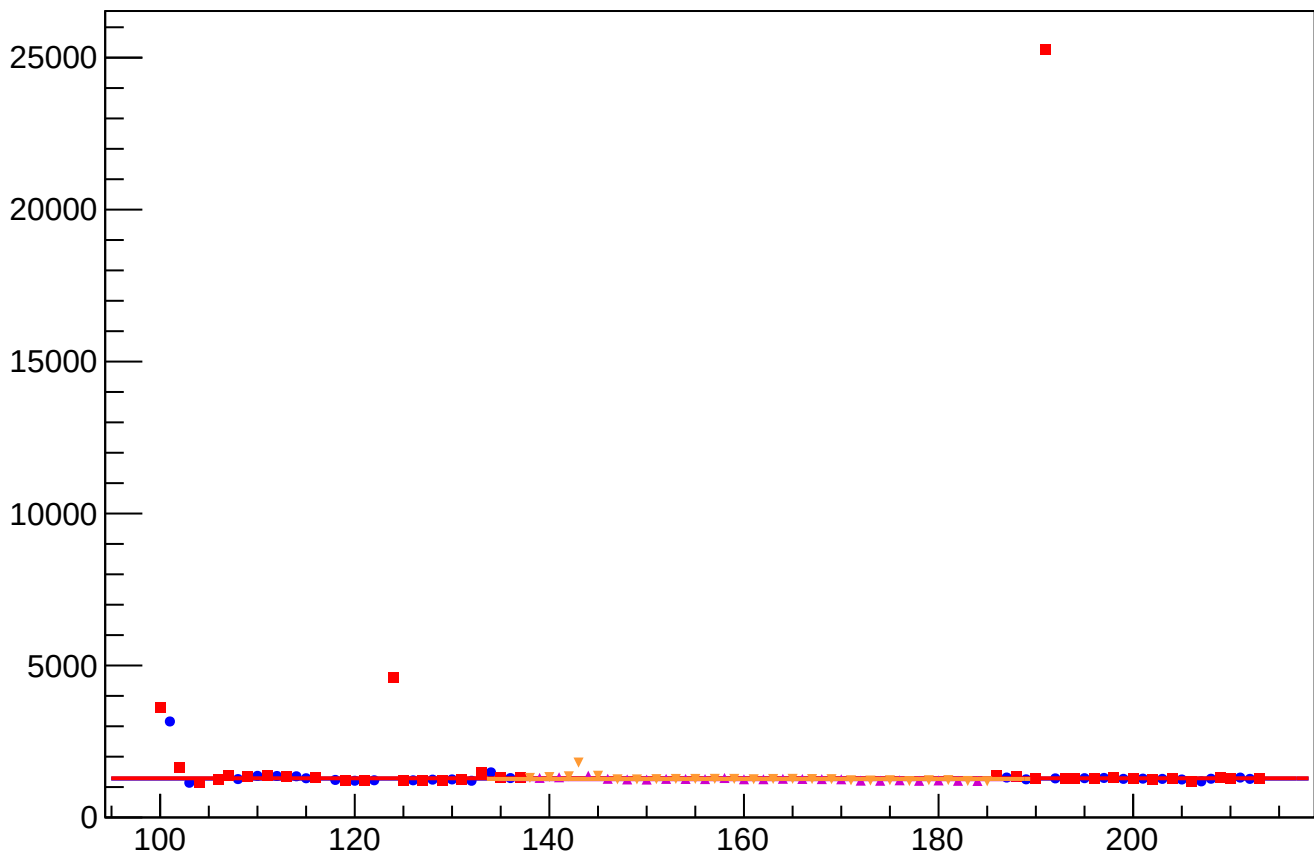
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 18.896 ± 210.677 χ^2/NDF : 75.1/53

All: 144.908 ± 148.780 χ^2/NDF : 122.5/110

- sign 270.276 ± 210.137 χ^2/NDF : 46.7/56

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529519.6/28

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.153 $\pm$ 0.212 χ^2 /NDF: 482746.6/33

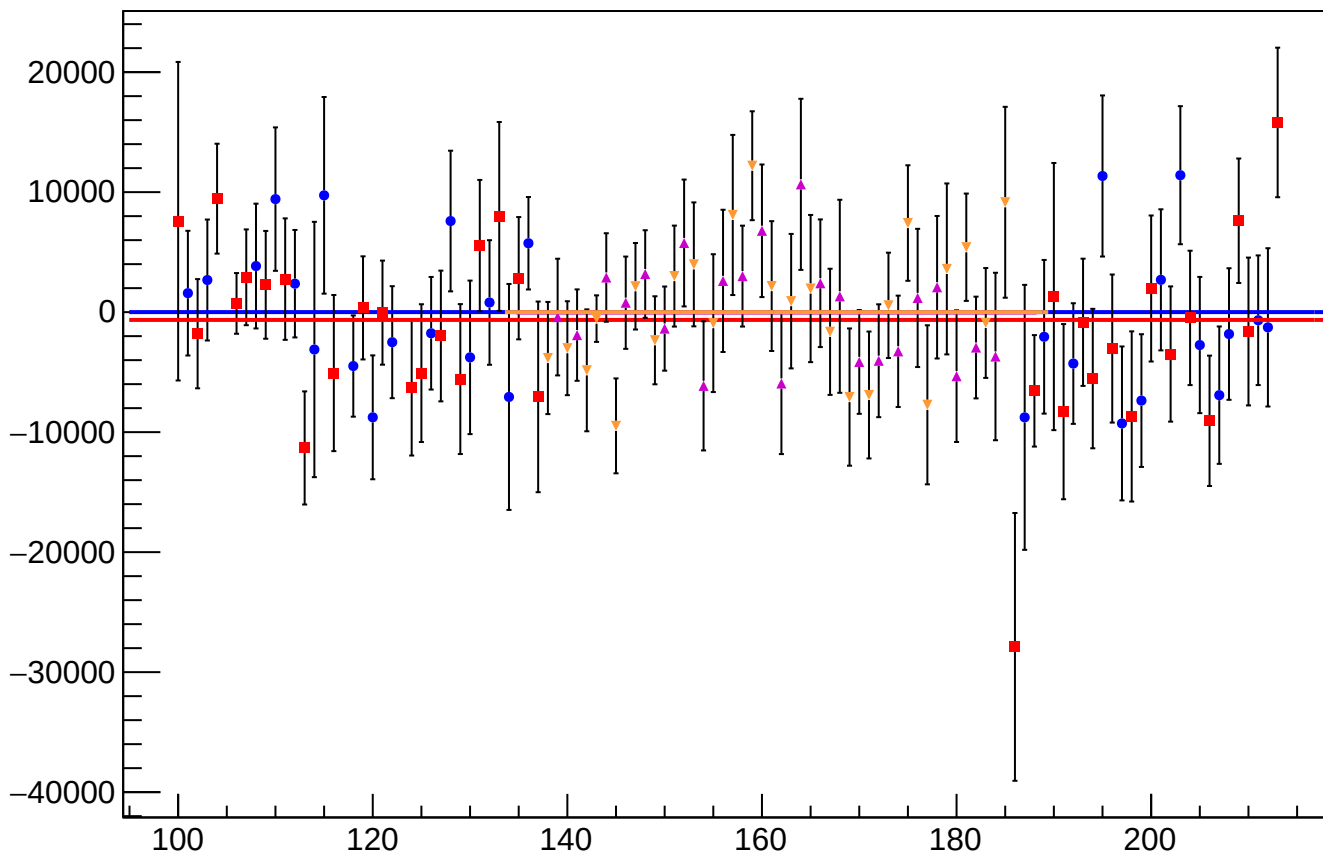
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718297.3/53

All: 1272.431 $\pm$ 0.105 χ^2 /NDF: 1249202.7/11

- sign 1272.999 $\pm$ 0.149 χ^2 /NDF: 530876.1/56

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 3.281 ± 1035.844 $\chi^2/\text{NDF}: 28.6/28$

Left Out: -0.604 ± 886.488 $\chi^2/\text{NDF}: 29.1/24$

Right Out: -648.132 ± 906.758 $\chi^2/\text{NDF}: 42.0/33$

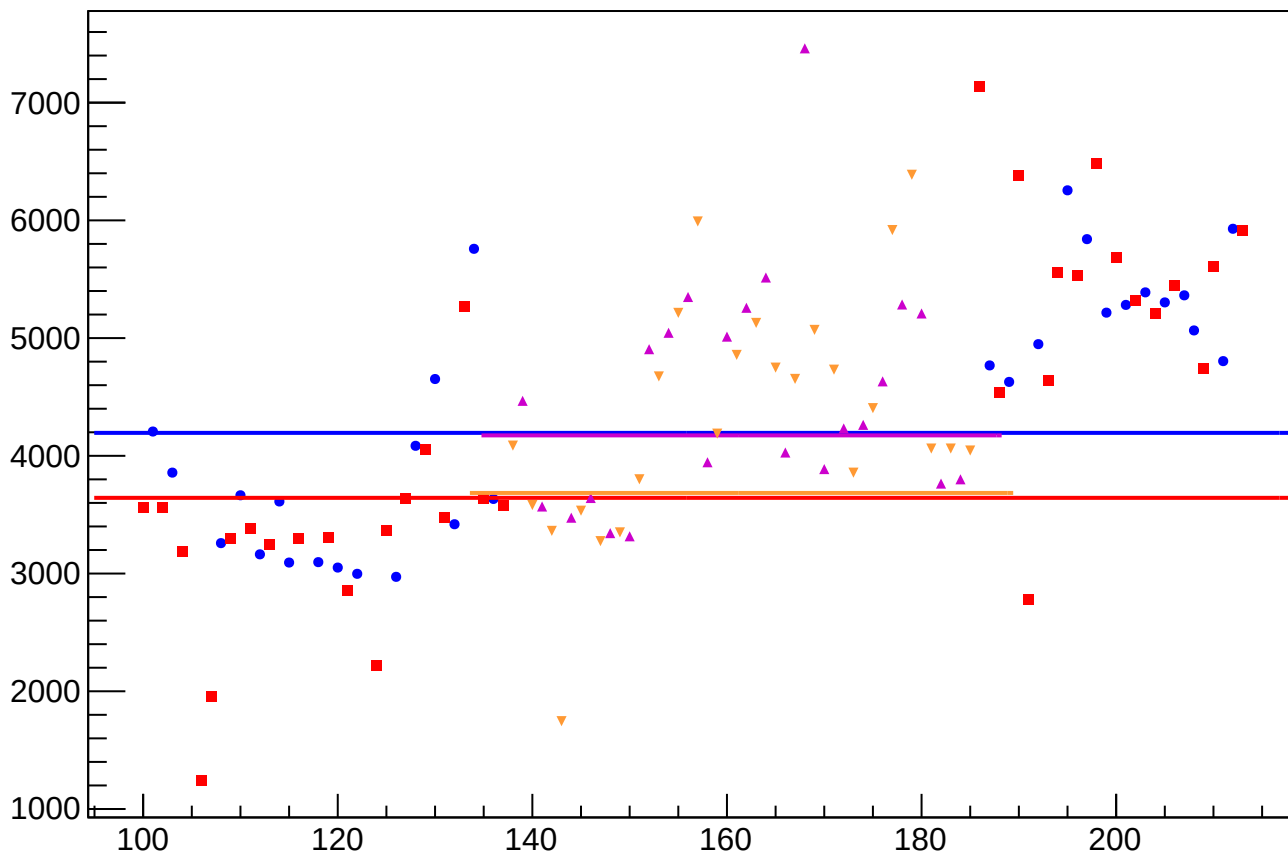
Left In: -31.593 ± 995.348 $\chi^2/\text{NDF}: 14.0/22$

+ sign 1.038 ± 673.515 $\chi^2/\text{NDF}: 57.7/53$

All: -184.620 ± 475.110 $\chi^2/\text{NDF}: 114.1/110$

- sign -368.515 ± 670.311 $\chi^2/\text{NDF}: 56.3/56$

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 4194.989 $\pm$ 0.732 χ^2 /NDF: 1868191.1/28

Left Out: 3684.769 $\pm$ 0.627 χ^2 /NDF: 3693646.6/24

Right Out: 3643.091 $\pm$ 0.641 χ^2 /NDF: 5079409.7/33

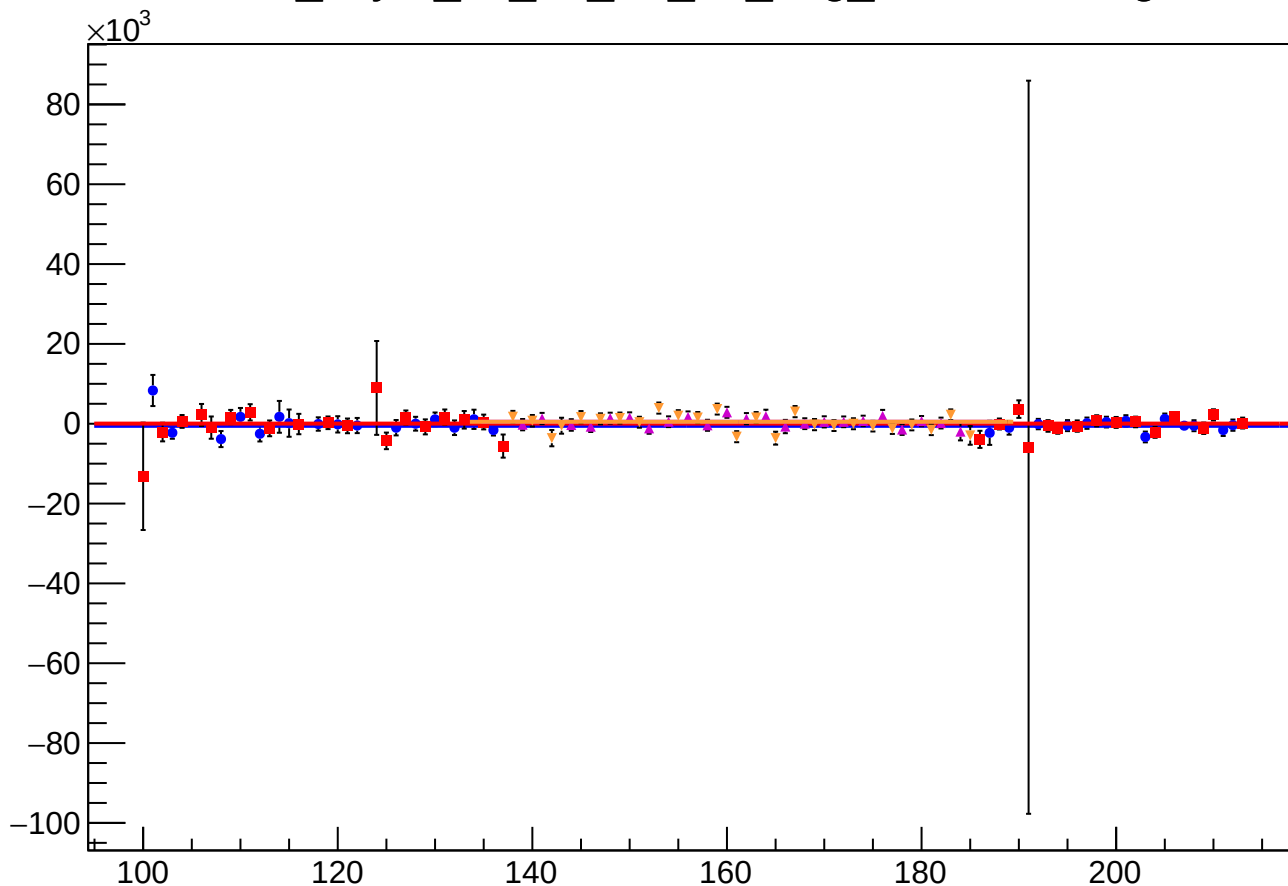
Left In: 4173.556 $\pm$ 0.704 χ^2 /NDF: 1274968.4/22

+ sign 3900.475 $\pm$ 0.476 χ^2 /NDF: 5841931.9/53

All: 3892.033 $\pm$ 0.336 χ^2 /NDF: 12507364.9/1

- sign 3883.671 $\pm$ 0.474 χ^2 /NDF: 6664807.5/56

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -521.891 ± 308.382 $\chi^2/\text{NDF}: 22.4/28$

Left Out: 492.079 ± 288.495 $\chi^2/\text{NDF}: 46.9/24$

Right Out: 32.367 ± 300.785 $\chi^2/\text{NDF}: 31.6/33$

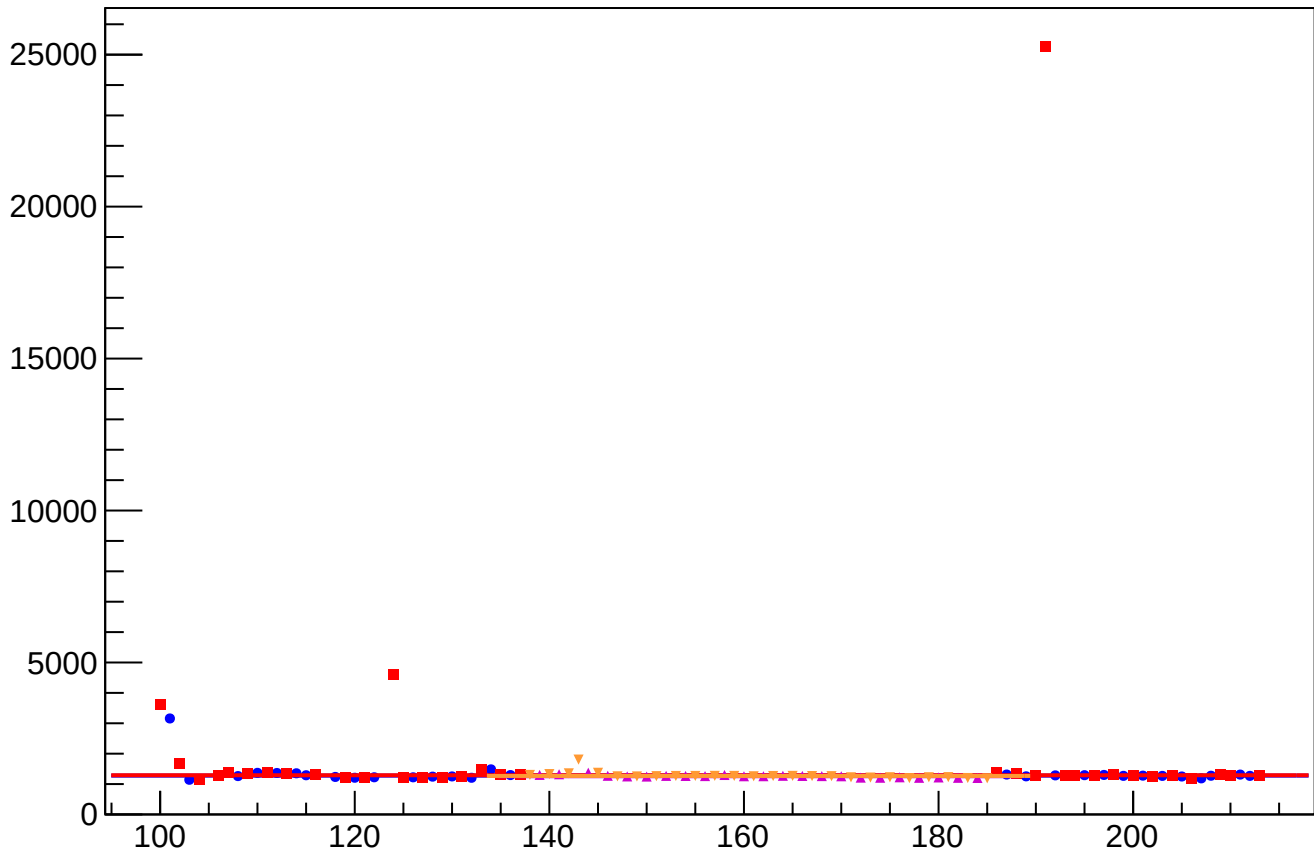
Left In: 486.720 ± 293.769 $\chi^2/\text{NDF}: 14.4/22$

+ sign 18.840 ± 210.677 $\chi^2/\text{NDF}: 75.1/53$

All: 142.173 ± 148.789 $\chi^2/\text{NDF}: 122.9/110$

- sign 264.905 ± 210.163 $\chi^2/\text{NDF}: 47.2/56$

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2/NDF : 529521.0/28

Left Out: 1266.968 $\pm$ 0.204 χ^2/NDF : 187545.6/24

Right Out: 1289.914 $\pm$ 0.213 χ^2/NDF : 489623.9/33

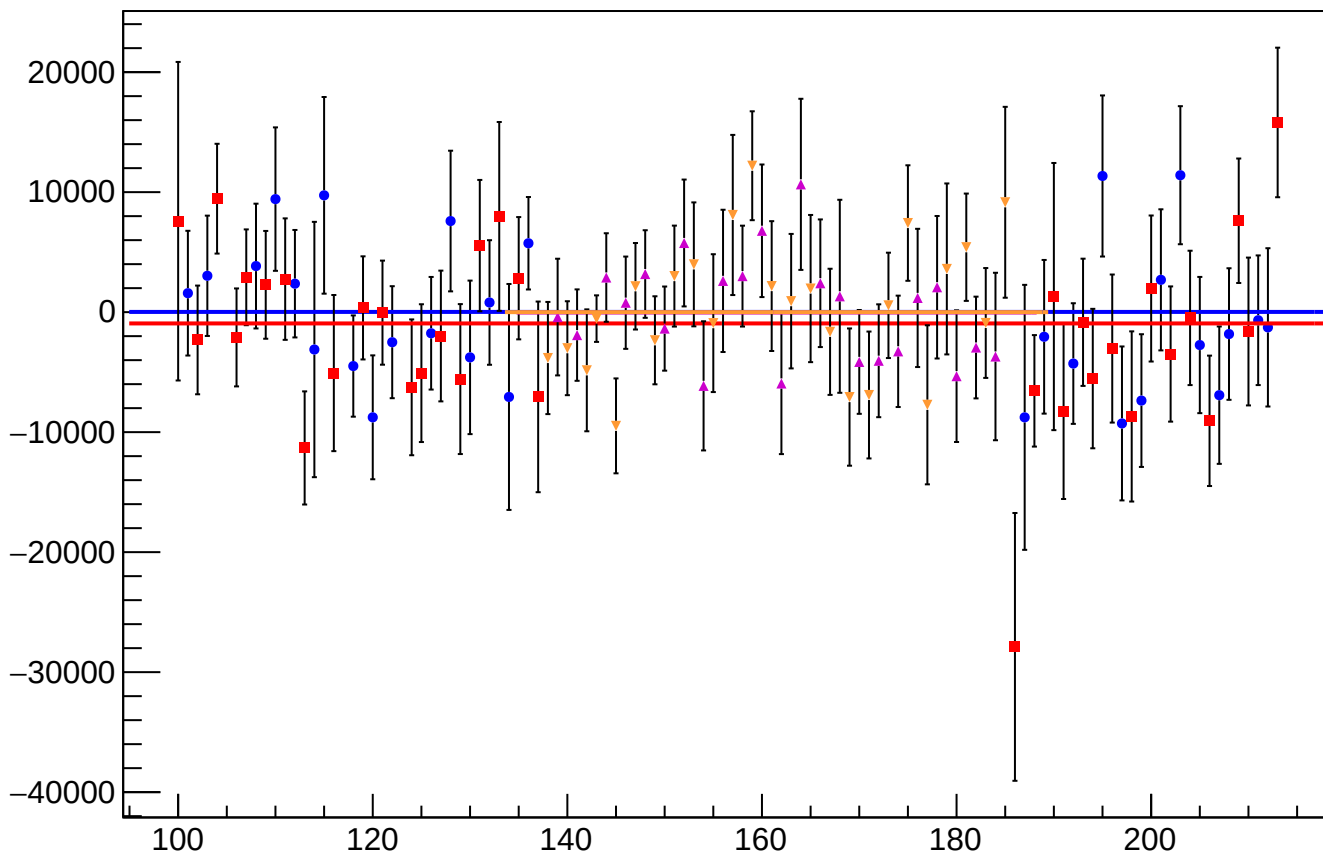
Left In: 1257.551 $\pm$ 0.208 χ^2/NDF : 36816.3/22

+ sign 1271.859 $\pm$ 0.149 χ^2/NDF : 718298.7/53

All: 1272.613 $\pm$ 0.105 χ^2/NDF : 1256648.4/11

- sign 1273.362 $\pm$ 0.149 χ^2/NDF : 538298.7/56

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 19.340 $\pm$ 1035.627 χ^2 /NDF: 28.7/28

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF:29.1/24

Right Out: -940.235 $\pm$ 944.685 χ^2 /NDF: 41.8/33

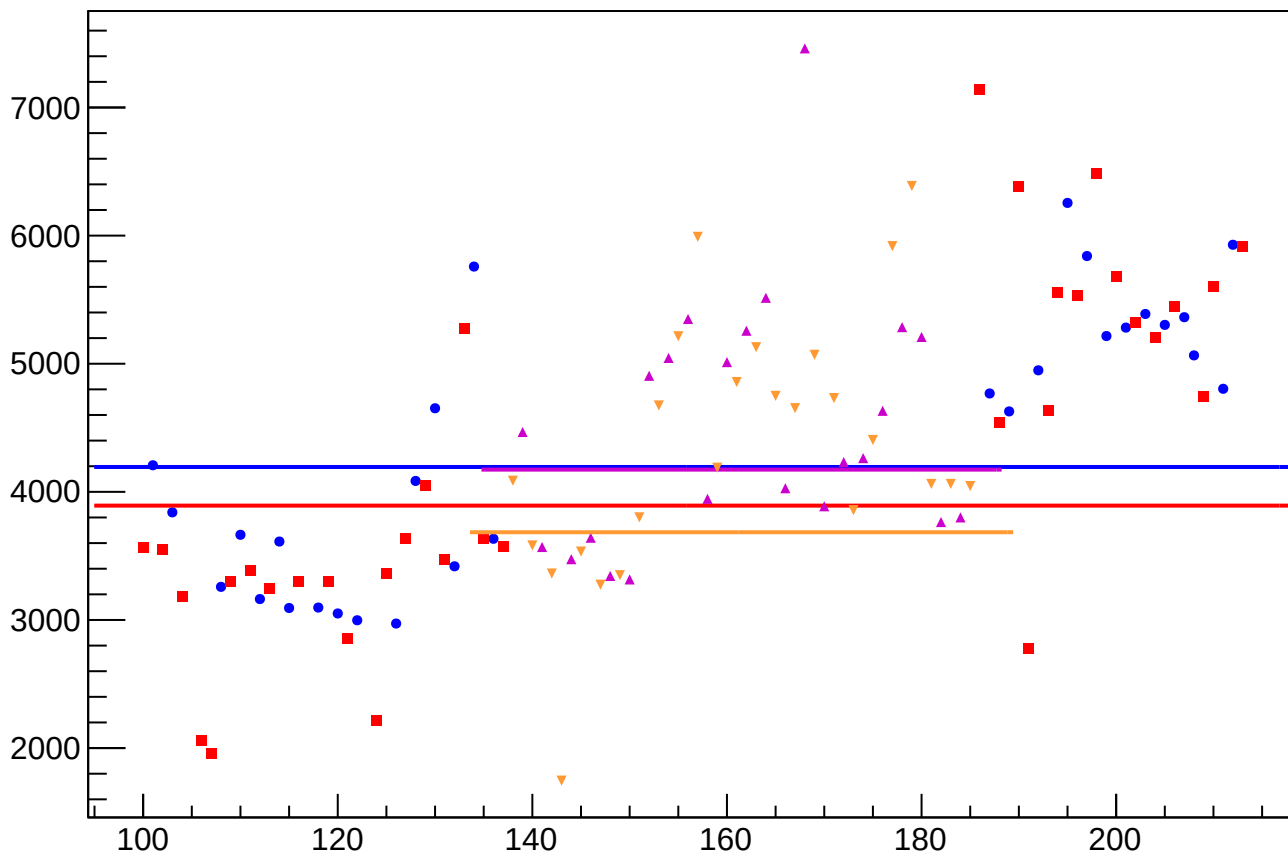
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF:14.0/22

+ sign 7.866 $\pm$ 673.454 χ^2 /NDF: 57.8/53

All: -246.406 $\pm$ 480.304 χ^2 /NDF: 114.4/110

- sign -509.628 $\pm$ 685.203 χ^2 /NDF: 56.3/56

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732 χ^2/NDF : 1869244.5/28

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3892.503 $\pm$ 0.668 χ^2/NDF : 3438125.0/33

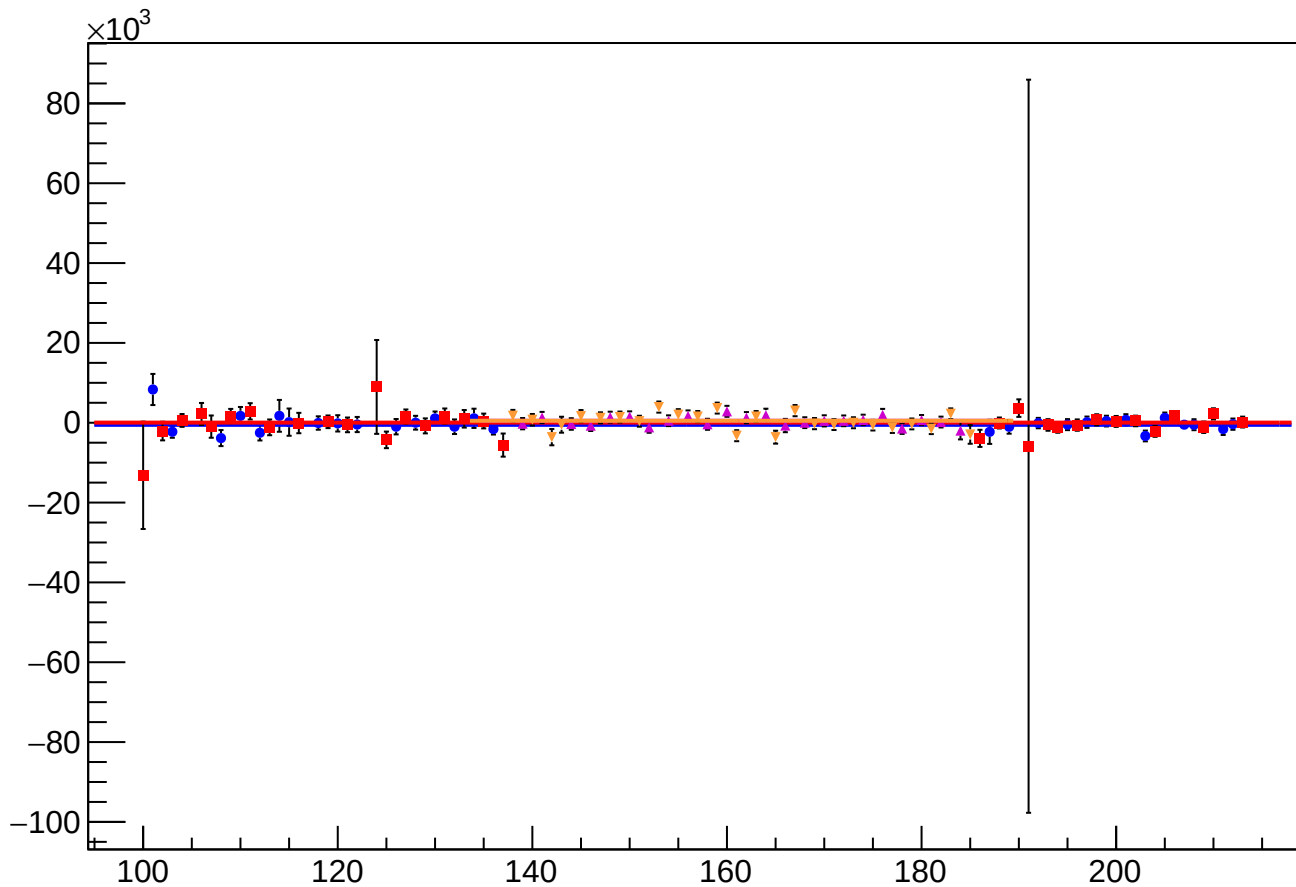
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3900.165 $\pm$ 0.476 χ^2/NDF : 5842172.1/53

All: 3961.843 $\pm$ 0.340 χ^2/NDF : 10673295.3/100

- sign 4025.692 $\pm$ 0.485 χ^2/NDF : 4796981.6/56

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -521.891 ± 308.382 $\chi^2/\text{NDF}: 22.4/28$

Left Out: 492.079 ± 288.495 $\chi^2/\text{NDF}: 46.9/24$

Right Out: 32.367 ± 300.785 $\chi^2/\text{NDF}: 31.6/33$

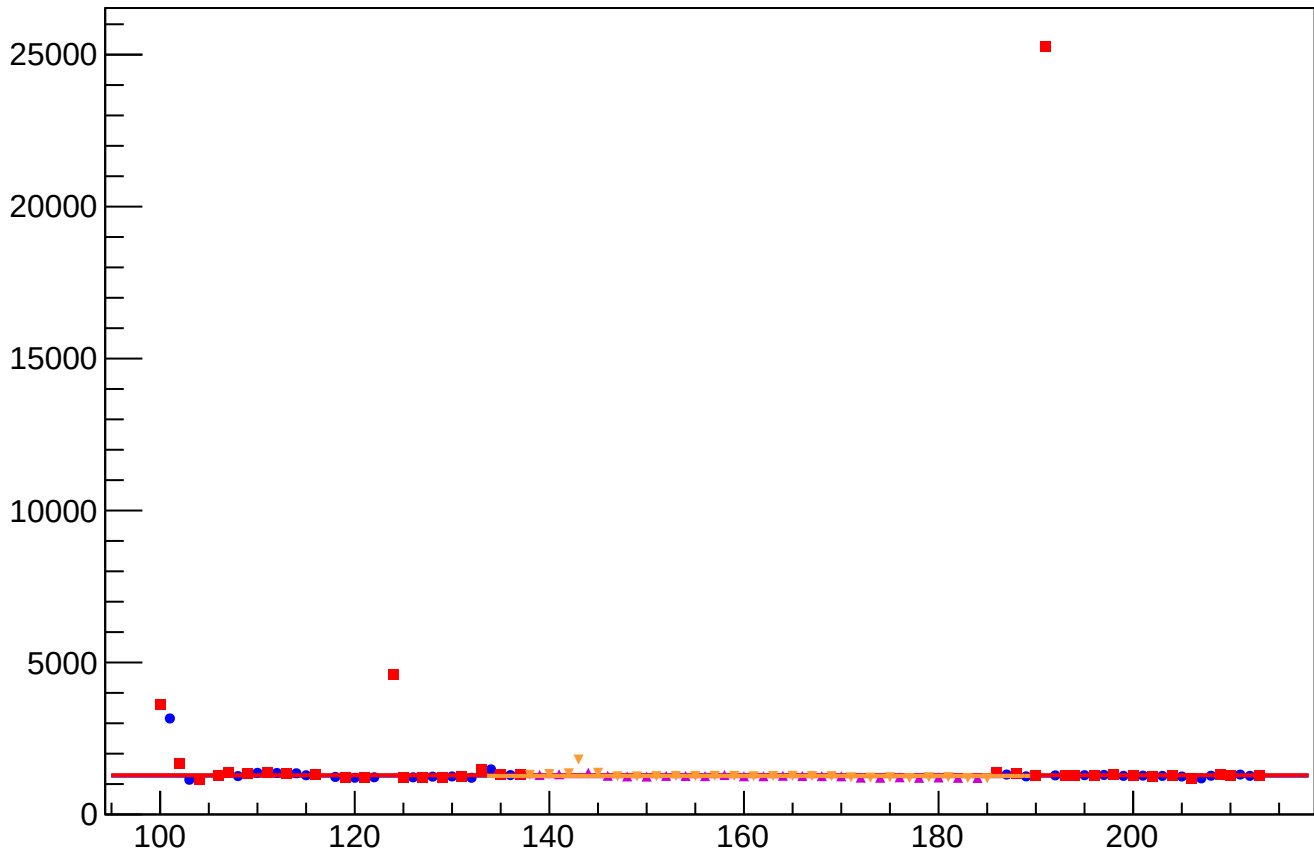
Left In: 486.720 ± 293.769 $\chi^2/\text{NDF}: 14.4/22$

+ sign 18.840 ± 210.677 $\chi^2/\text{NDF}: 75.1/53$

All: 142.173 ± 148.789 $\chi^2/\text{NDF}: 122.9/110$

- sign 264.905 ± 210.163 $\chi^2/\text{NDF}: 47.2/56$

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529521.0/28

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.914 $\pm$ 0.213 χ^2 /NDF: 489623.9/33

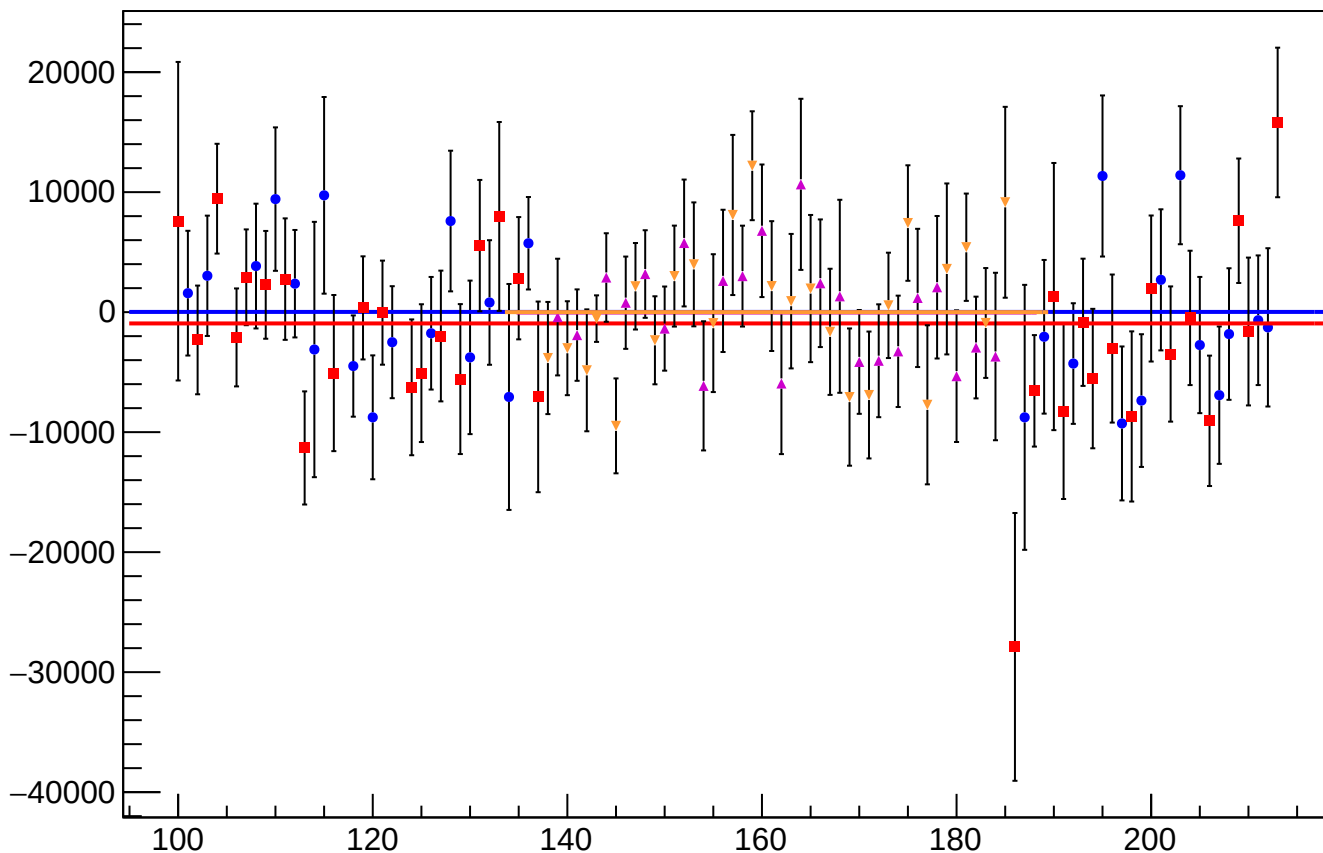
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718298.7/53

All: 1272.613 $\pm$ 0.105 χ^2 /NDF: 1256648.4/11

- sign 1273.362 $\pm$ 0.149 χ^2 /NDF: 538298.7/56

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 19.340 $\pm$ 1035.627 χ^2 /NDF: 28.7/28

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF:29.1/24

Right Out: -940.235 $\pm$ 944.685 χ^2 /NDF: 41.8/33

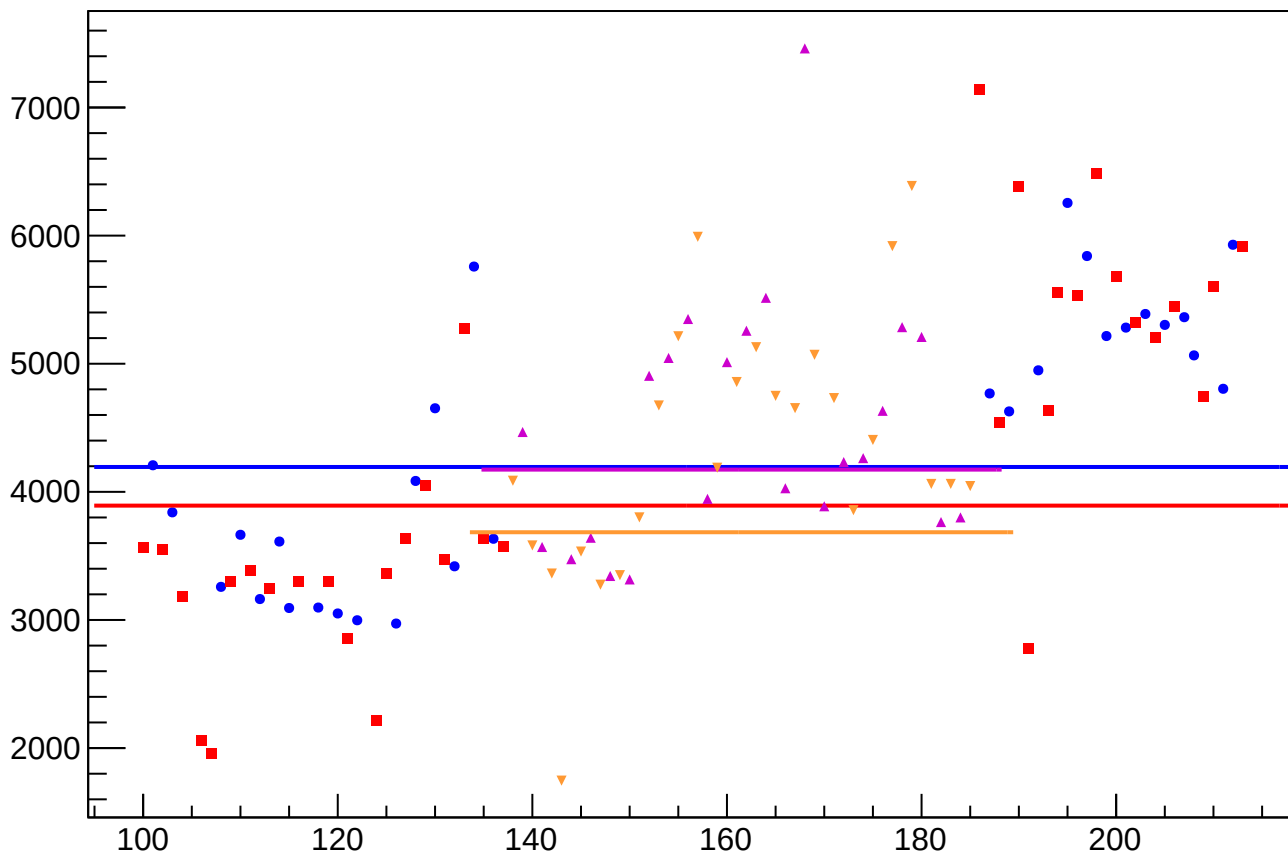
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF:14.0/22

+ sign 7.866 $\pm$ 673.454 χ^2 /NDF: 57.8/53

All: -246.406 $\pm$ 480.304 χ^2 /NDF: 114.4/110

- sign -509.628 $\pm$ 685.203 χ^2 /NDF: 56.3/56

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732 χ^2 /NDF: 1869244.5/28

Left Out: 3684.762 $\pm$ 0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3892.503 $\pm$ 0.668 χ^2 /NDF: 3438125.0/33

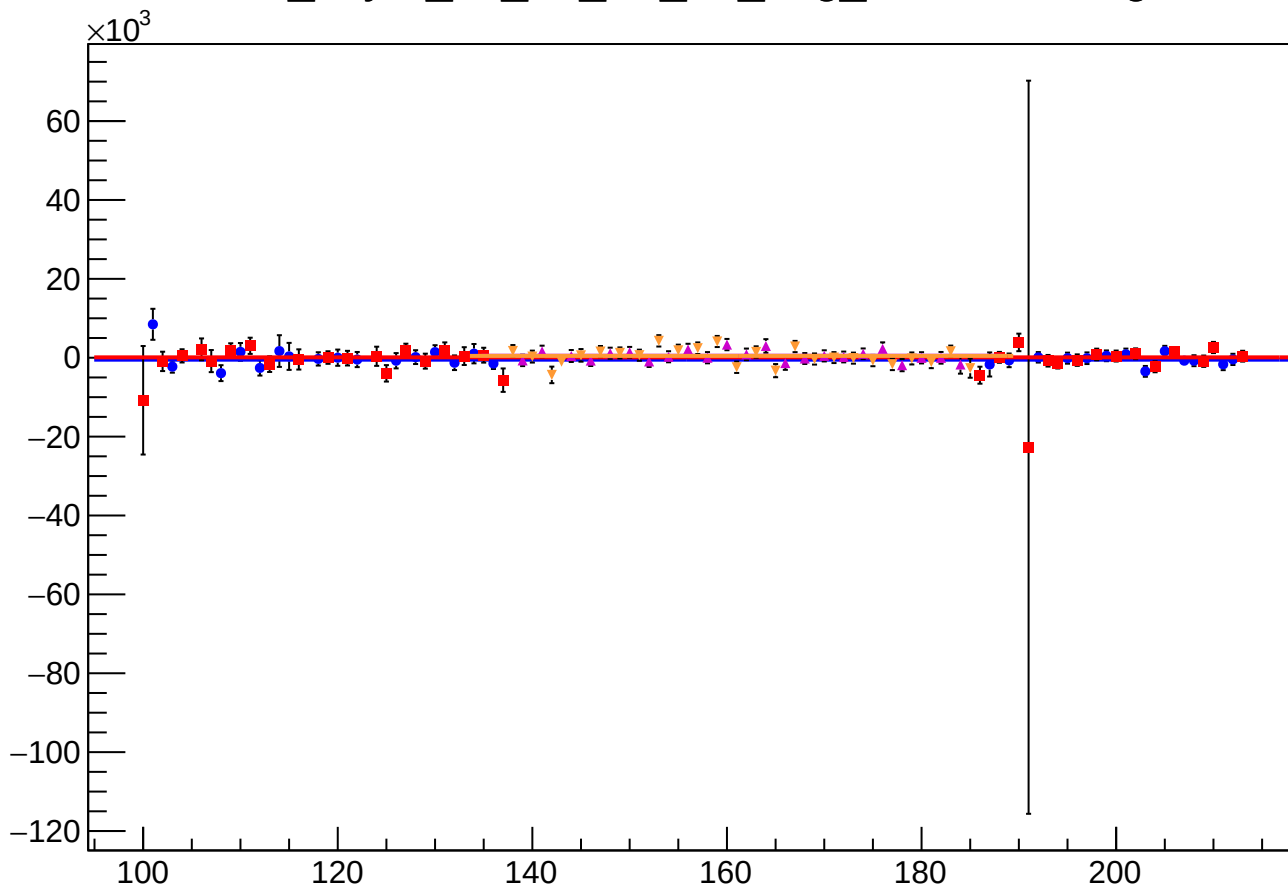
Left In: 4173.550 $\pm$ 0.704 χ^2 /NDF: 1274967.5/22

+ sign 3900.165 $\pm$ 0.476 χ^2 /NDF: 5842172.1/53

All: 3961.843 $\pm$ 0.340 χ^2 /NDF: 10673295.3/100

- sign 4025.692 $\pm$ 0.485 χ^2 /NDF: 4796981.6/56

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -490.729 ± 312.505 χ^2/NDF : 23.9/28

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 94.184 ± 303.071 χ^2/NDF : 32.7/33

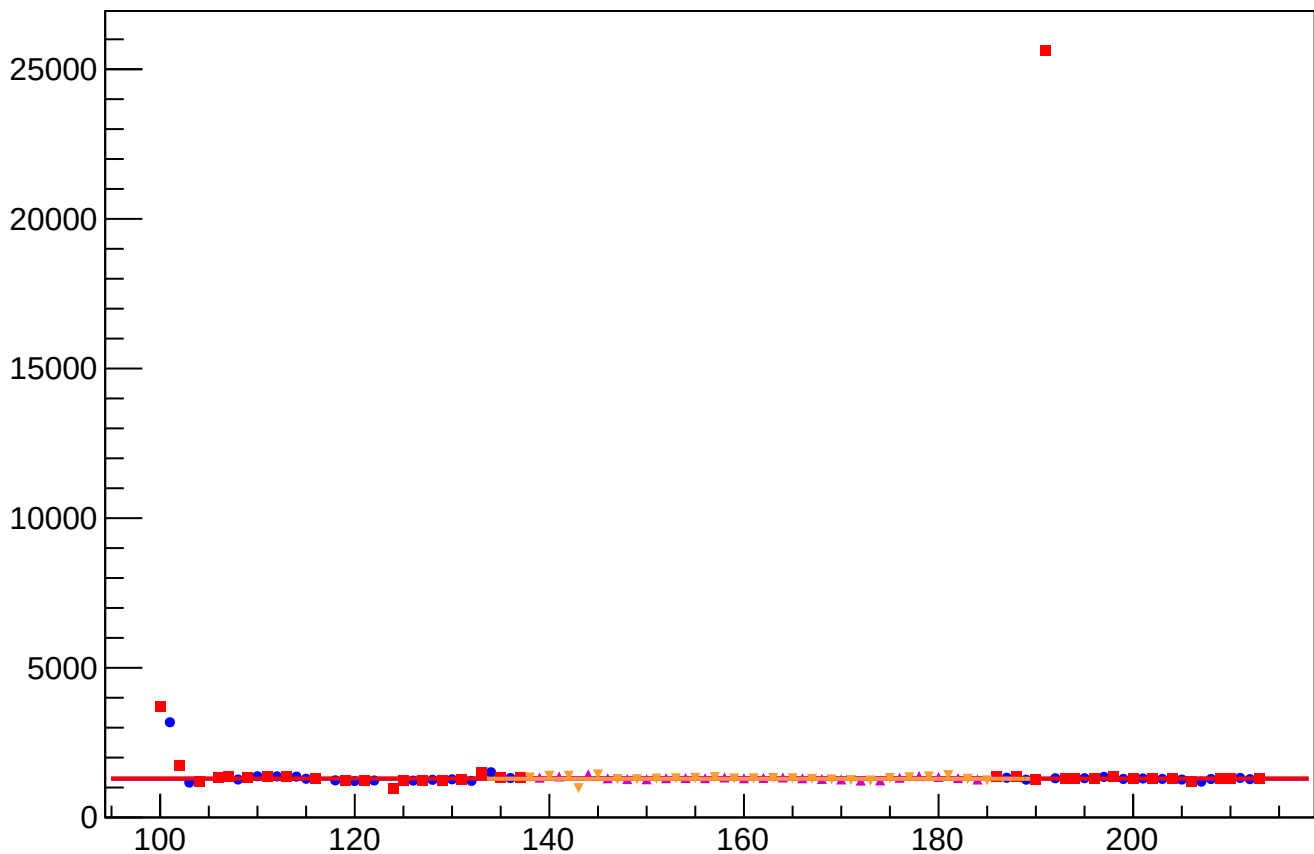
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 17.405 ± 214.232 χ^2/NDF : 73.0/53

All: 155.850 ± 152.001 χ^2/NDF : 124.9/110

- sign 296.198 ± 215.698 χ^2/NDF : 51.0/56

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1294.402 $\pm$ 0.221 χ^2 /NDF: 529767.8/28

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1300.970 $\pm$ 0.214 χ^2 /NDF: 378349.9/33

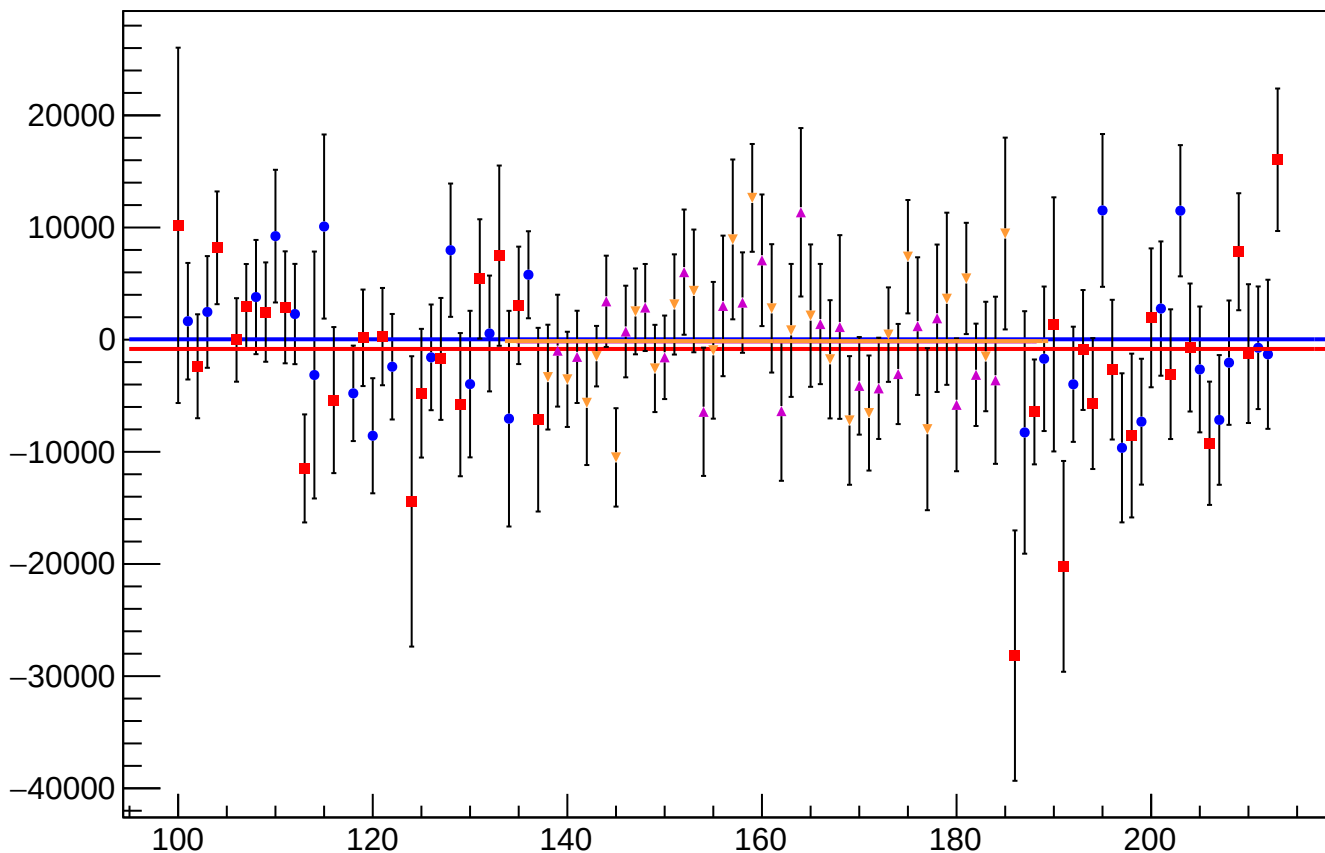
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1292.711 $\pm$ 0.151 χ^2 /NDF: 760613.5/53

All: 1300.007 $\pm$ 0.107 χ^2 /NDF: 1188505.2/11

- sign 1307.401 $\pm$ 0.152 χ^2 /NDF: 423221.0/56

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: 34.054+/-1041.721 χ^2/NDF : 28.5/28

Left Out: -127.273+/-977.231 χ^2/NDF : 28.6/24

Right Out: -828.107+/-960.639 χ^2/NDF : 43.4/33

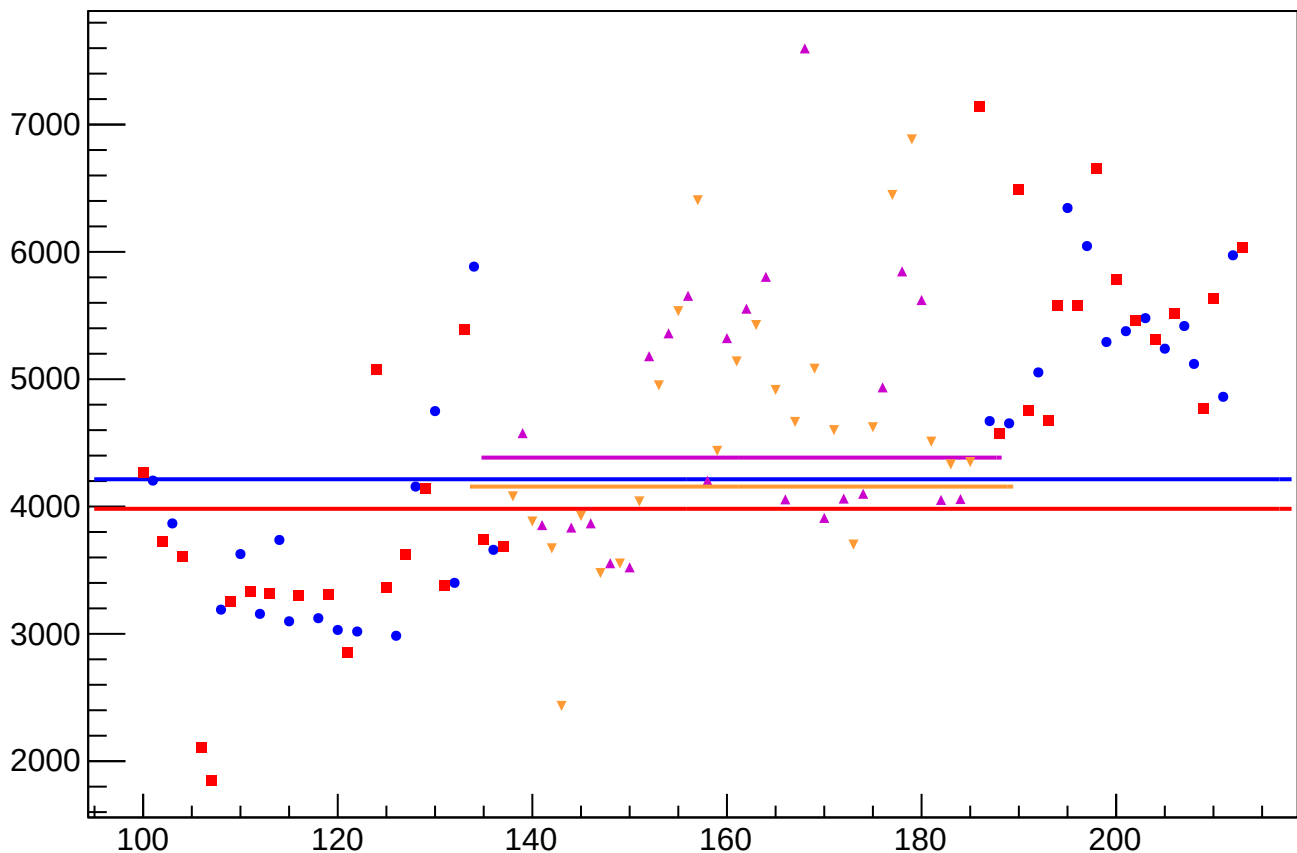
Left In: -159.452+/-1045.510 χ^2/NDF : 13.8/22

+ sign -51.757+/-712.715 χ^2/NDF : 57.1/53

All: -288.654+/-502.068 χ^2/NDF : 114.7/110

- sign -522.017+/-707.378 χ^2/NDF : 57.4/56

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4214.129+/-0.737 χ^2/NDF : 1962126.5/28

Left Out: 4156.582+/-0.691 χ^2/NDF : 2080766.1/24

+ sign 4183.519+/-0.504 χ^2/NDF : 4046139.1/53

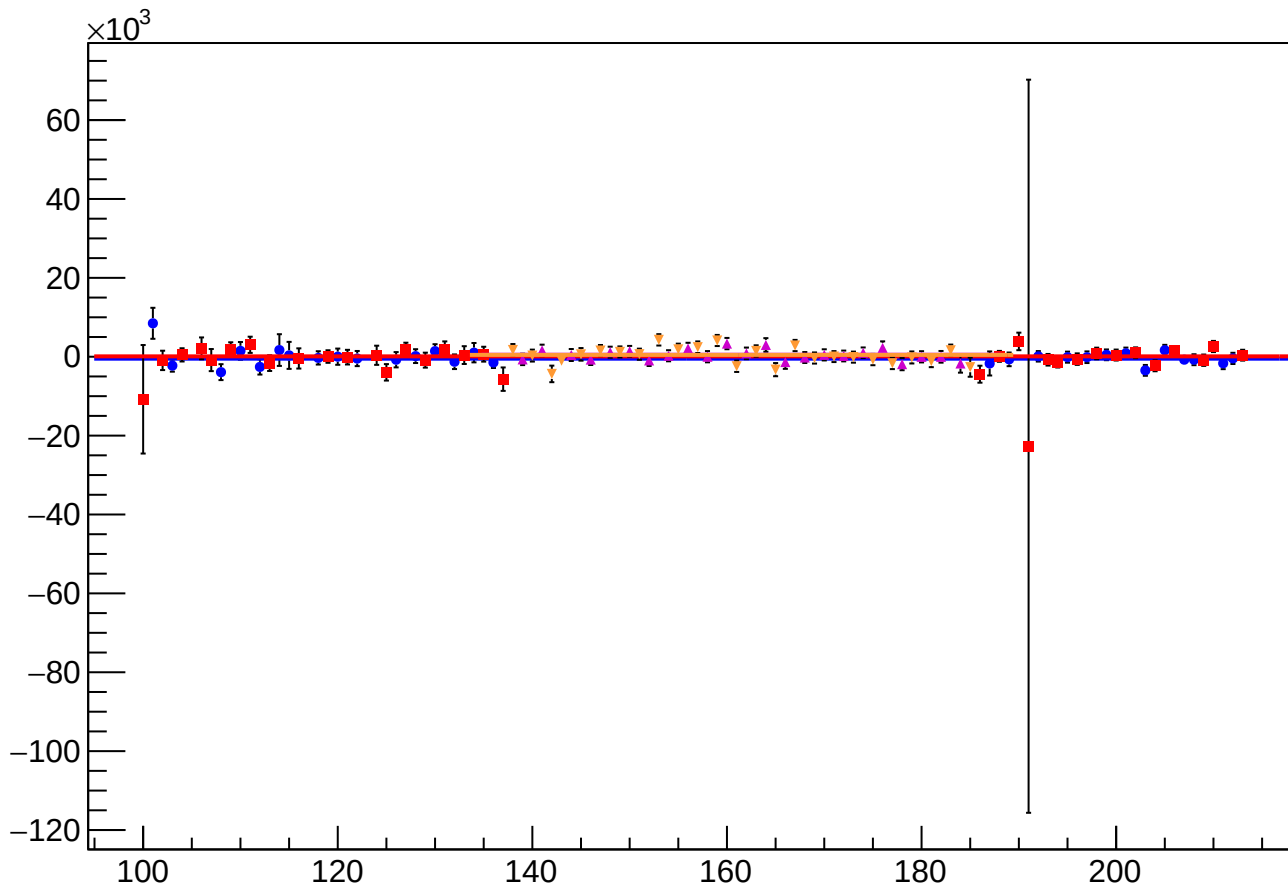
Right Out: 3982.098+/-0.679 χ^2/NDF : 3484602.3/33

All: 4174.807+/-0.355 χ^2/NDF : 8947312.4/11

- sign 4166.225+/-0.500 χ^2/NDF : 4900580.1/56

Left In: 4384.323+/-0.739 χ^2/NDF : 1255470.8/22

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -490.730+/-312.505 χ^2 /NDF: 23.9/28

Left Out: 467.933+/-294.257 χ^2 /NDF:44.1/24

Right Out: 94.185+/-303.071 χ^2 /NDF: 32.7/33

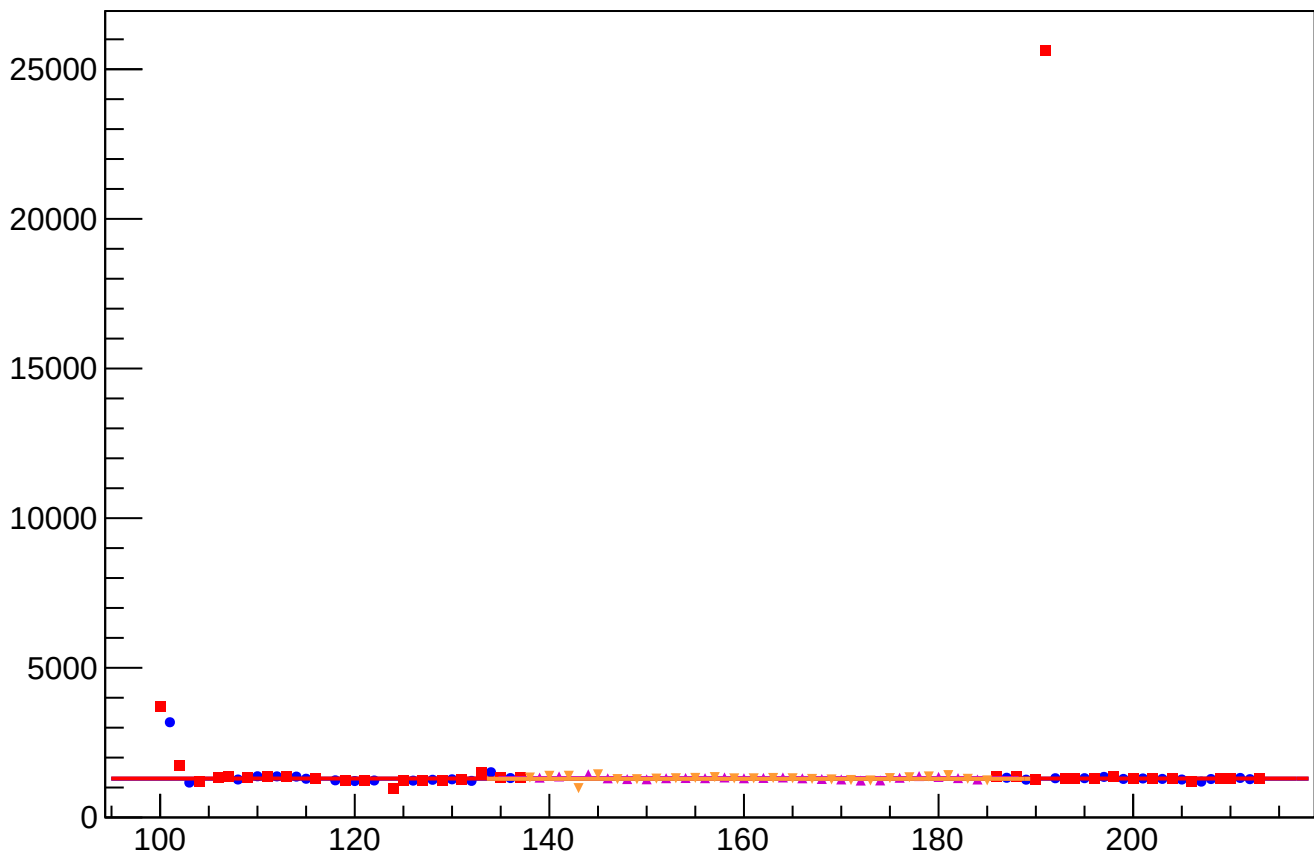
Left In: 503.558+/-307.056 χ^2 /NDF:17.4/22

+ sign 17.406+/-214.232 χ^2 /NDF: 73.0/53

All: 155.851+/-152.001 χ^2 /NDF: 124.9/110

- sign 296.198+/-215.699 χ^2 /NDF: 51.0/56

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1294.402+/-0.221 χ^2/NDF : 529767.9/28

Left Out: 1291.212+/-0.208 χ^2/NDF : 230737.6/24

Right Out: 1300.970+/-0.214 χ^2/NDF : 378350.0/33

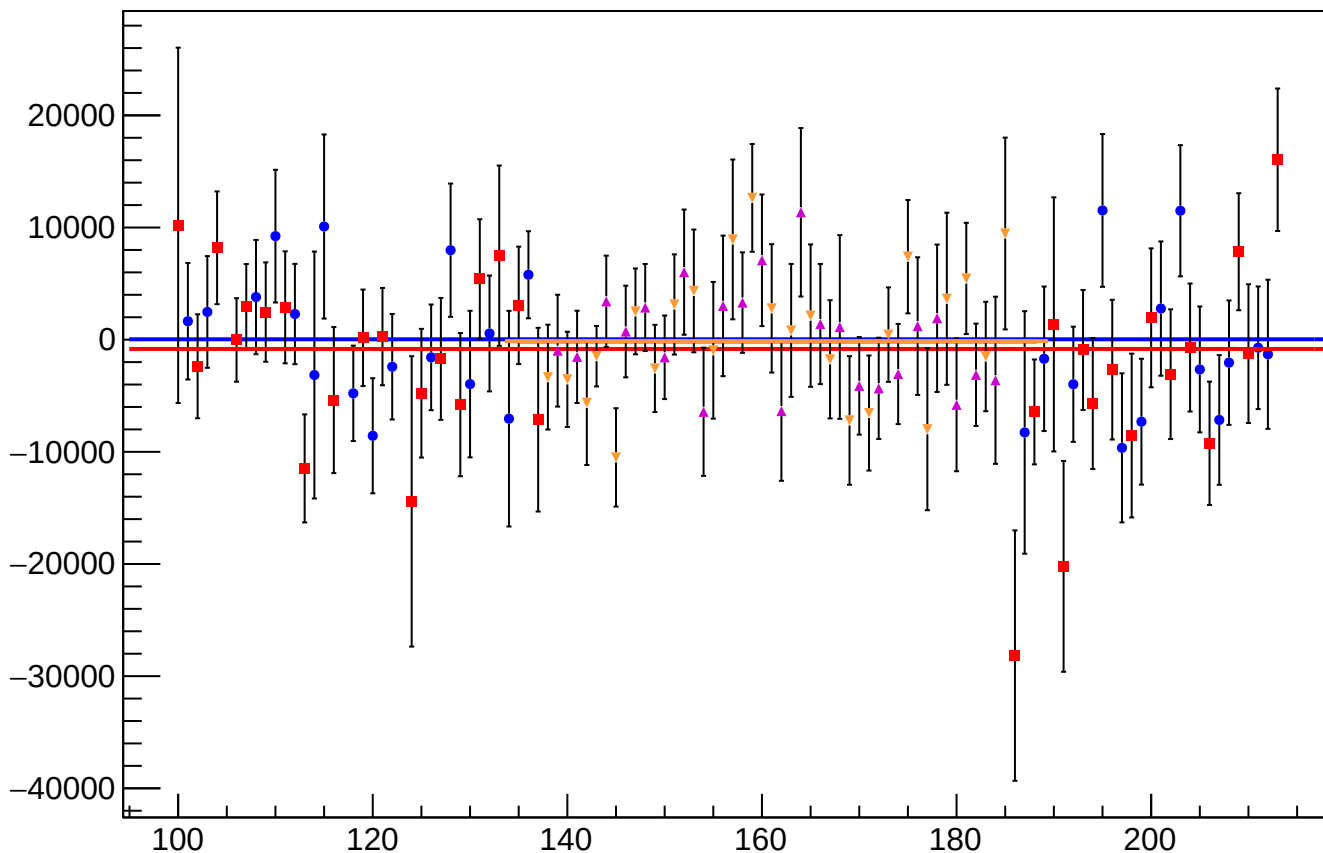
Left In: 1314.007+/-0.217 χ^2/NDF : 43046.8/22

+ sign 1292.711+/-0.151 χ^2/NDF : 760616.0/53

All: 1300.007+/-0.107 χ^2/NDF : 1188510.3/11

- sign 1307.402+/-0.152 χ^2/NDF : 423223.6/56

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 34.051 ± 1041.720 χ^2/NDF : 28.5/28

Left Out: -127.271 ± 977.232 χ^2/NDF : 28.6/24

Right Out: -828.101 ± 960.638 χ^2/NDF : 43.4/33

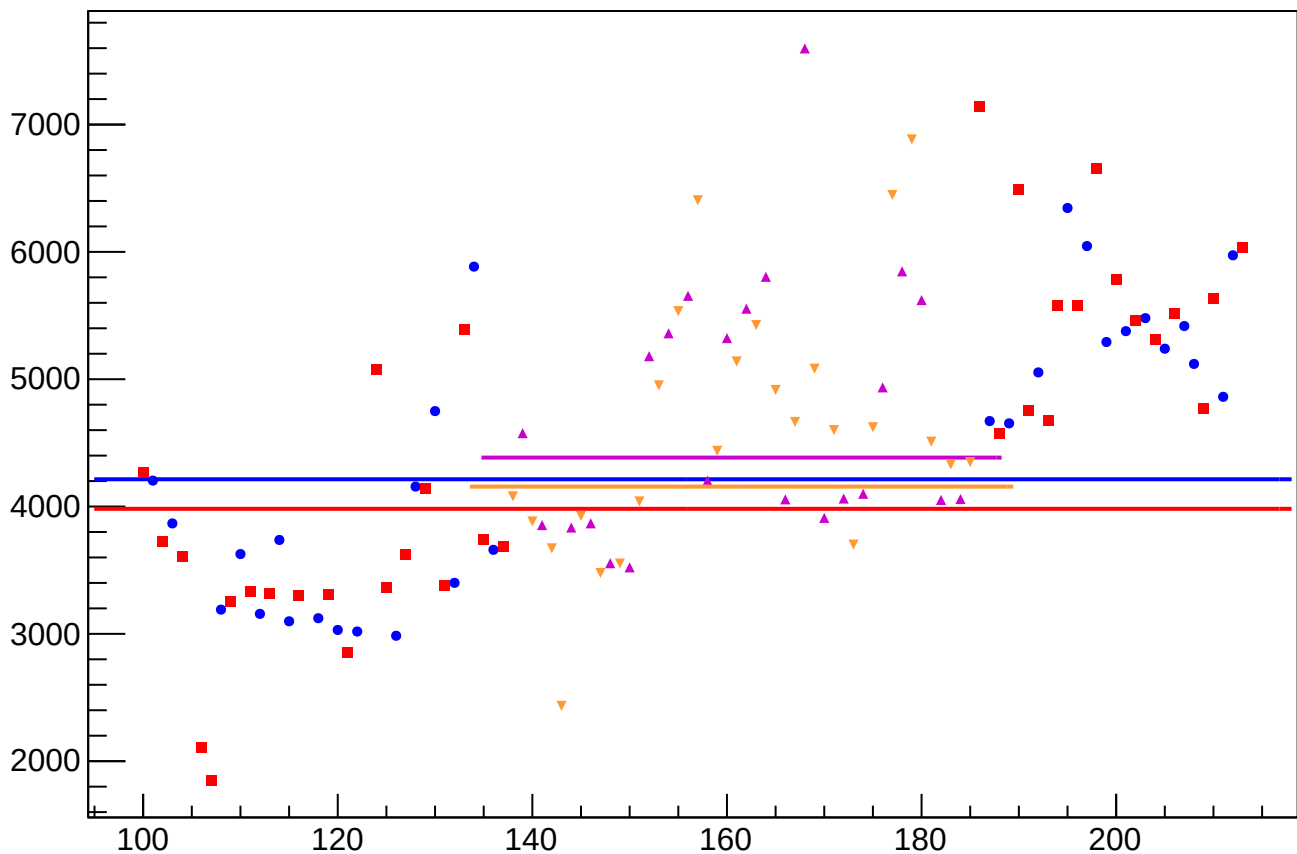
Left In: -159.454 ± 1045.511 χ^2/NDF : 13.8/22

+ sign -51.757 ± 712.716 χ^2/NDF : 57.1/53

All: -288.654 ± 502.068 χ^2/NDF : 114.7/110

- sign -522.015 ± 707.379 χ^2/NDF : 57.4/56

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 4214.124+/-0.737 χ^2/NDF : 1962162.4/28

Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF : 3484636.6/33

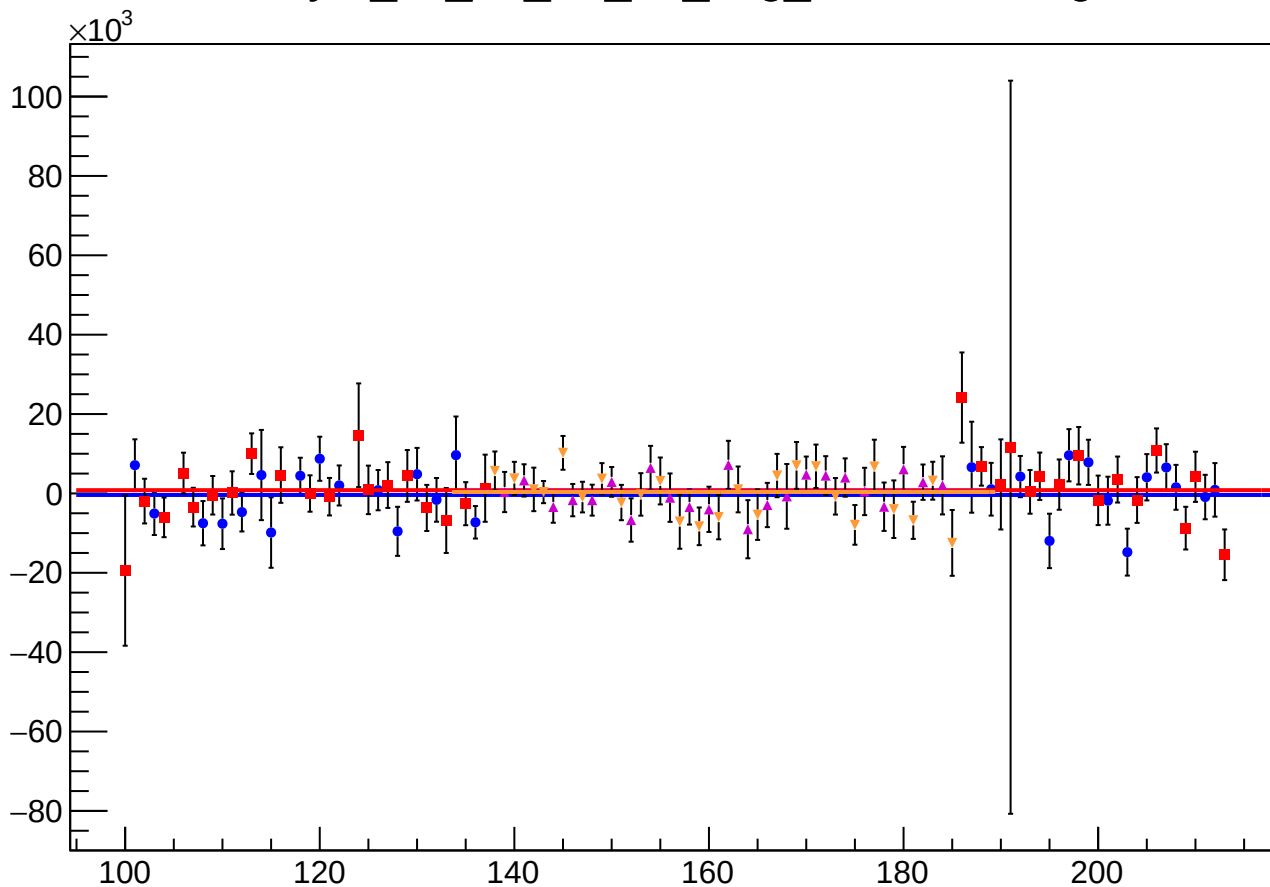
Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 4183.520+/-0.504 χ^2/NDF : 4046176.5/53

All: 4174.807+/-0.355 χ^2/NDF : 8947398.5/11

- sign 4166.224+/-0.500 χ^2/NDF : 4900628.6/56

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -388.617 ± 1097.646 χ^2/NDF : 34.6/28

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 822.015 ± 1039.558 χ^2/NDF : 33.2/33

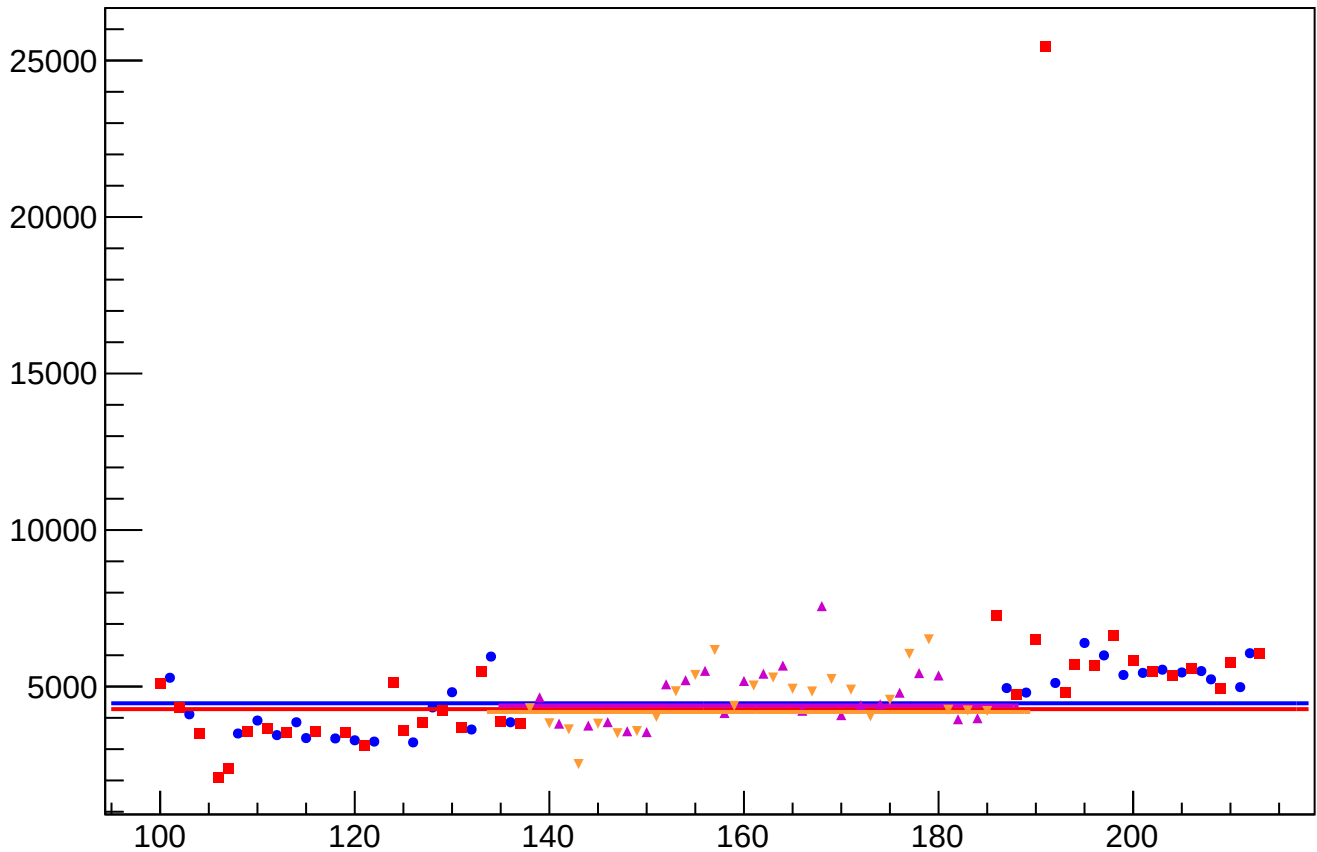
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 29.406 ± 730.974 χ^2/NDF : 62.5/53

All: 342.443 ± 518.957 χ^2/NDF : 110.0/110

- sign 660.570 ± 736.892 χ^2/NDF : 47.1/56

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4465.044+/-0.776 χ^2/NDF : 1592301.9/28

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4278.738+/-0.729 χ^2/NDF : 2771161.8/33

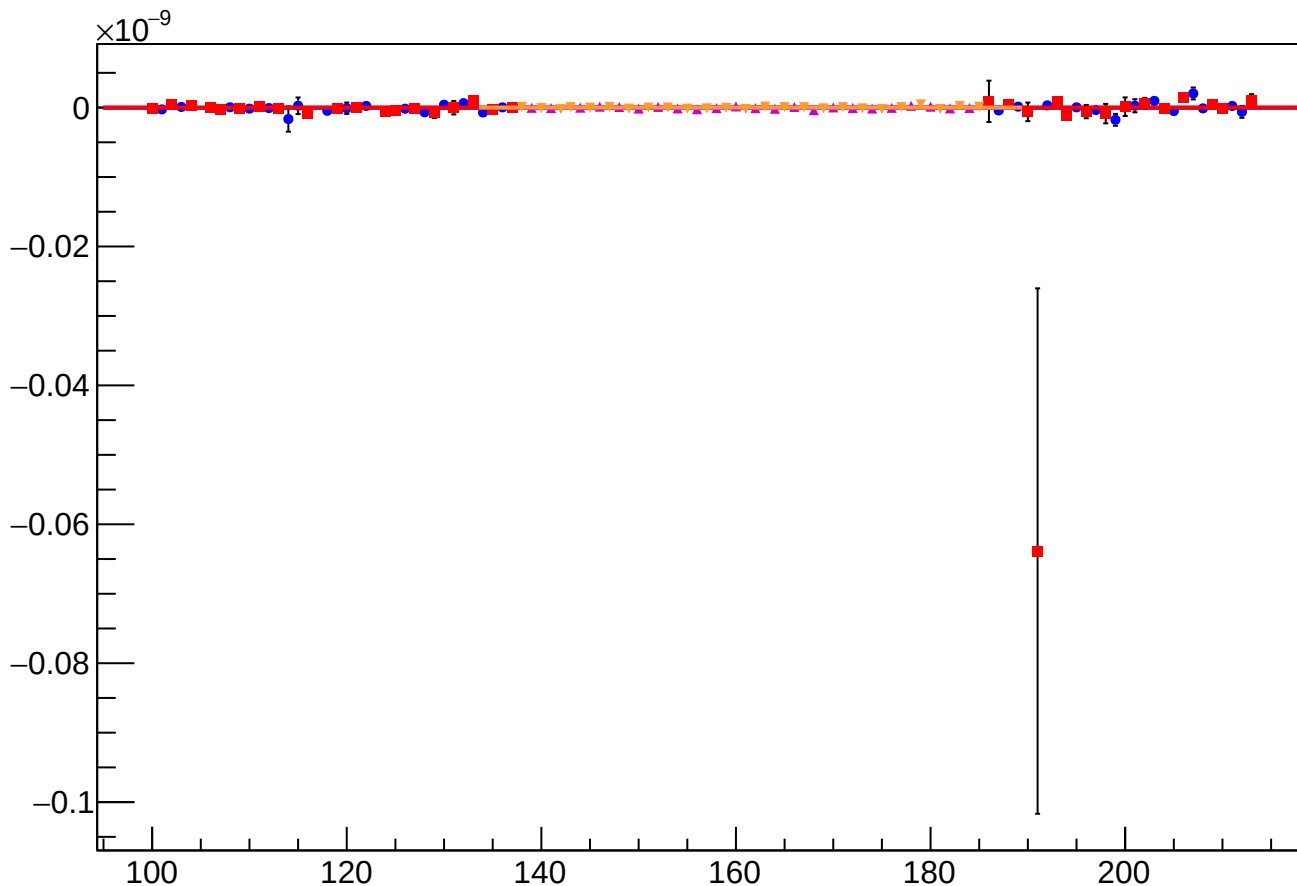
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4310.781+/-0.517 χ^2/NDF : 3459631.4/53

All: 4323.224+/-0.366 χ^2/NDF : 7332755.6/11

- sign 4335.762+/-0.519 χ^2/NDF : 3871960.7/56

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 35.3/28

Left Out: -0.000+/-0.000 χ^2 /NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 35.3/33

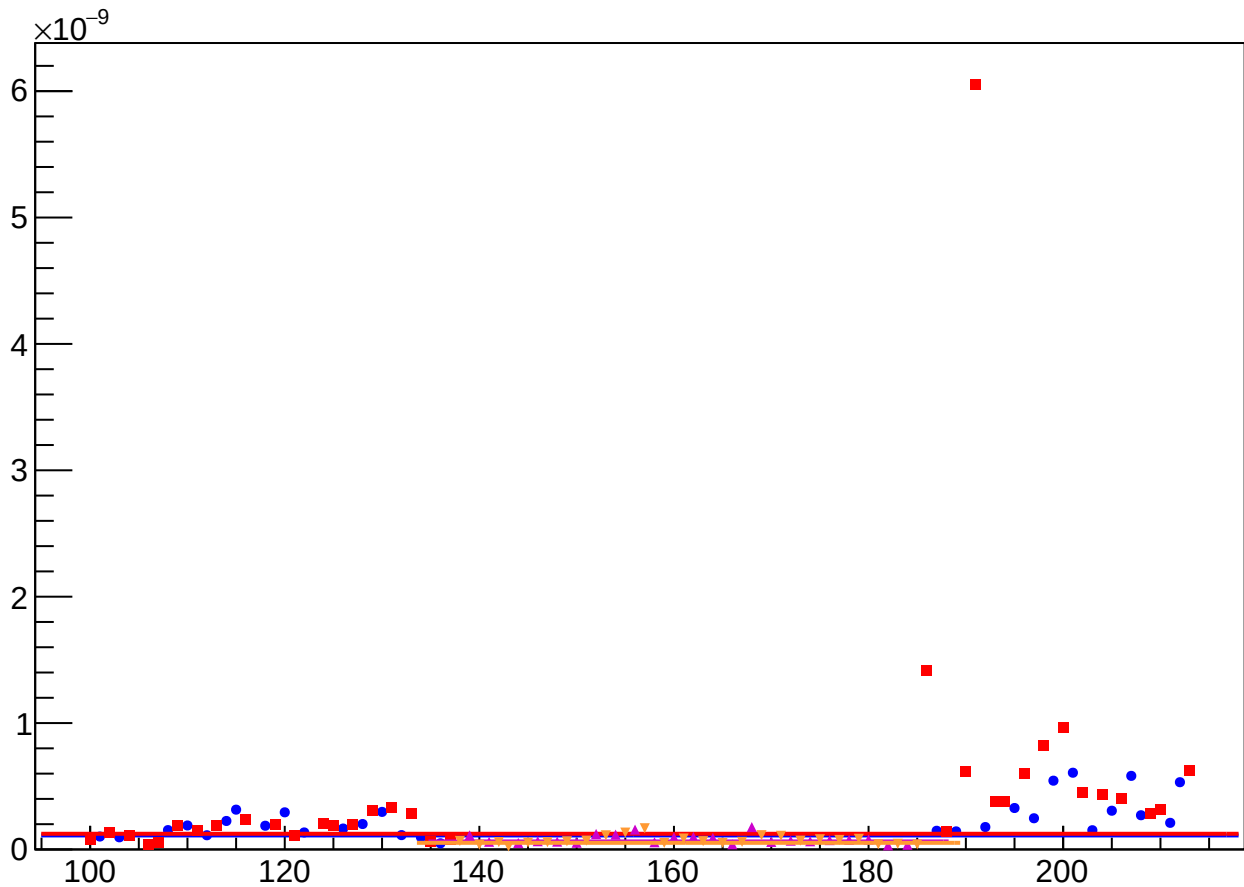
Left In: -0.000+/-0.000 χ^2 /NDF:17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 65.8/53

All: -0.000+/-0.000 χ^2 /NDF: 118.4/110

- sign -0.000+/-0.000 χ^2 /NDF: 52.4/56

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4926494.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7511016.6/33

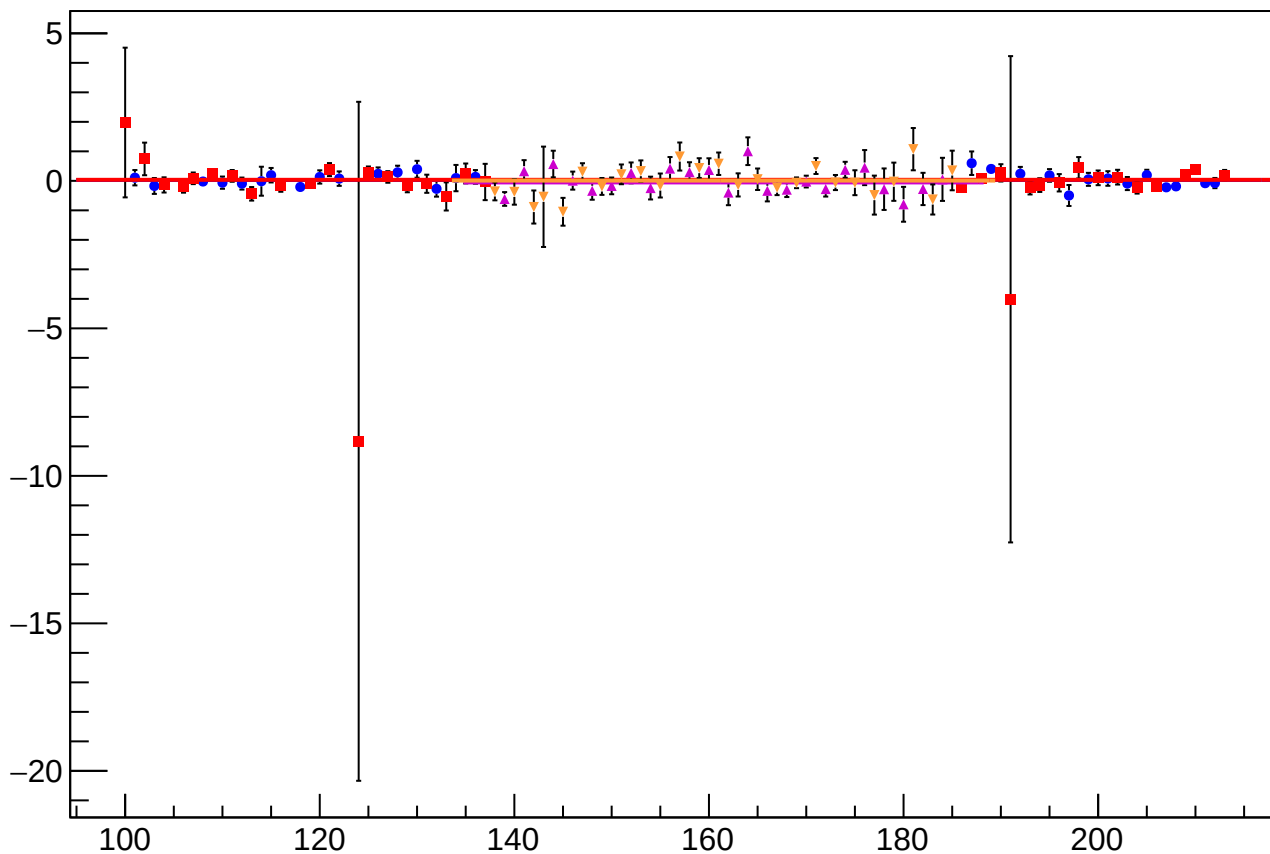
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9518616.7/53

All: 0.000+/-0.000 χ^2/NDF : 20850435.4/110

- sign 0.000+/-0.000 χ^2/NDF : 11026693.3/56

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

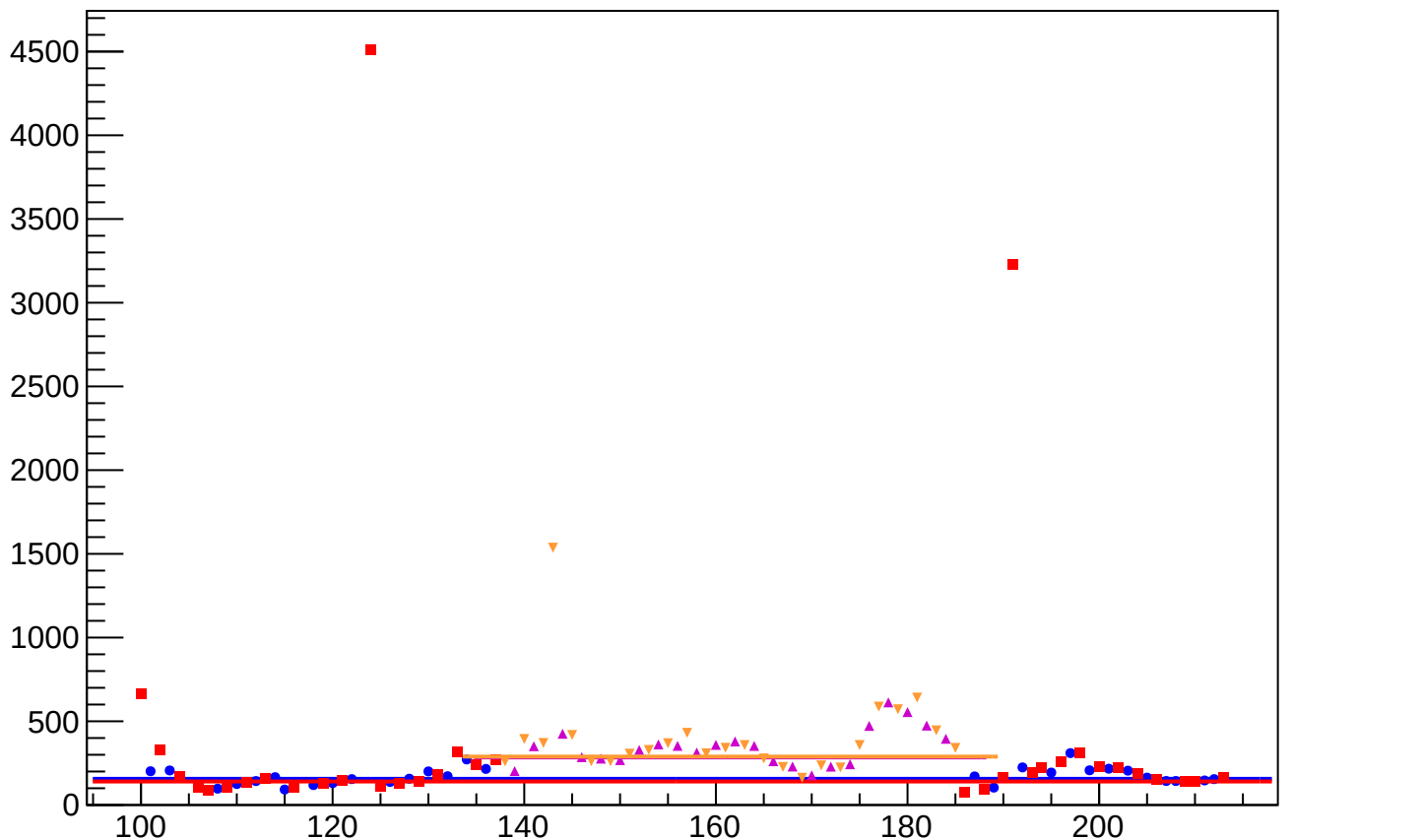
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259862.8/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 140.487 $\pm$ 0.025 χ^2 /NDF: 4720476.5/33

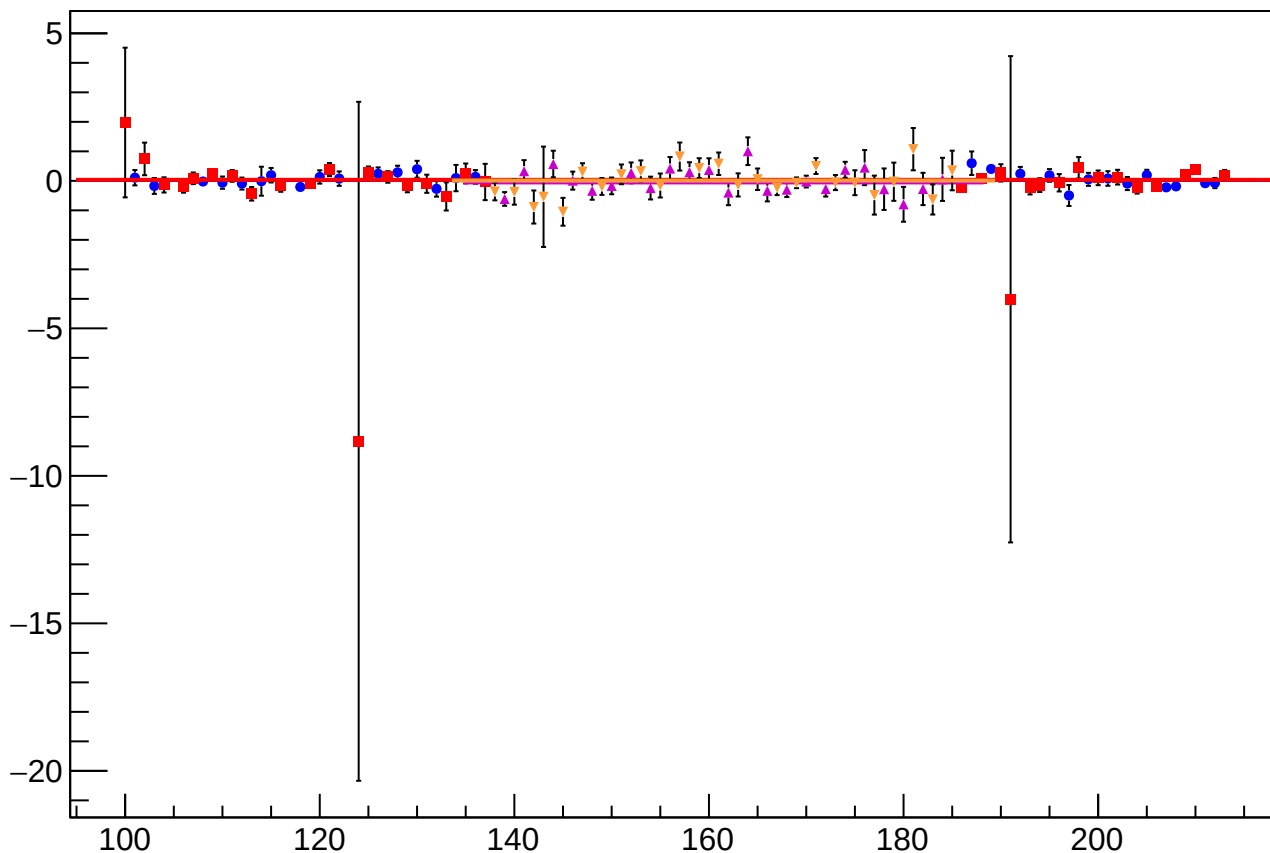
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 187.746 $\pm$ 0.024 χ^2 /NDF: 12228425.8/53

All: 178.134 $\pm$ 0.017 χ^2 /NDF: 26933439.9/1

- sign 169.960 $\pm$ 0.023 χ^2 /NDF: 14419021.1/56

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

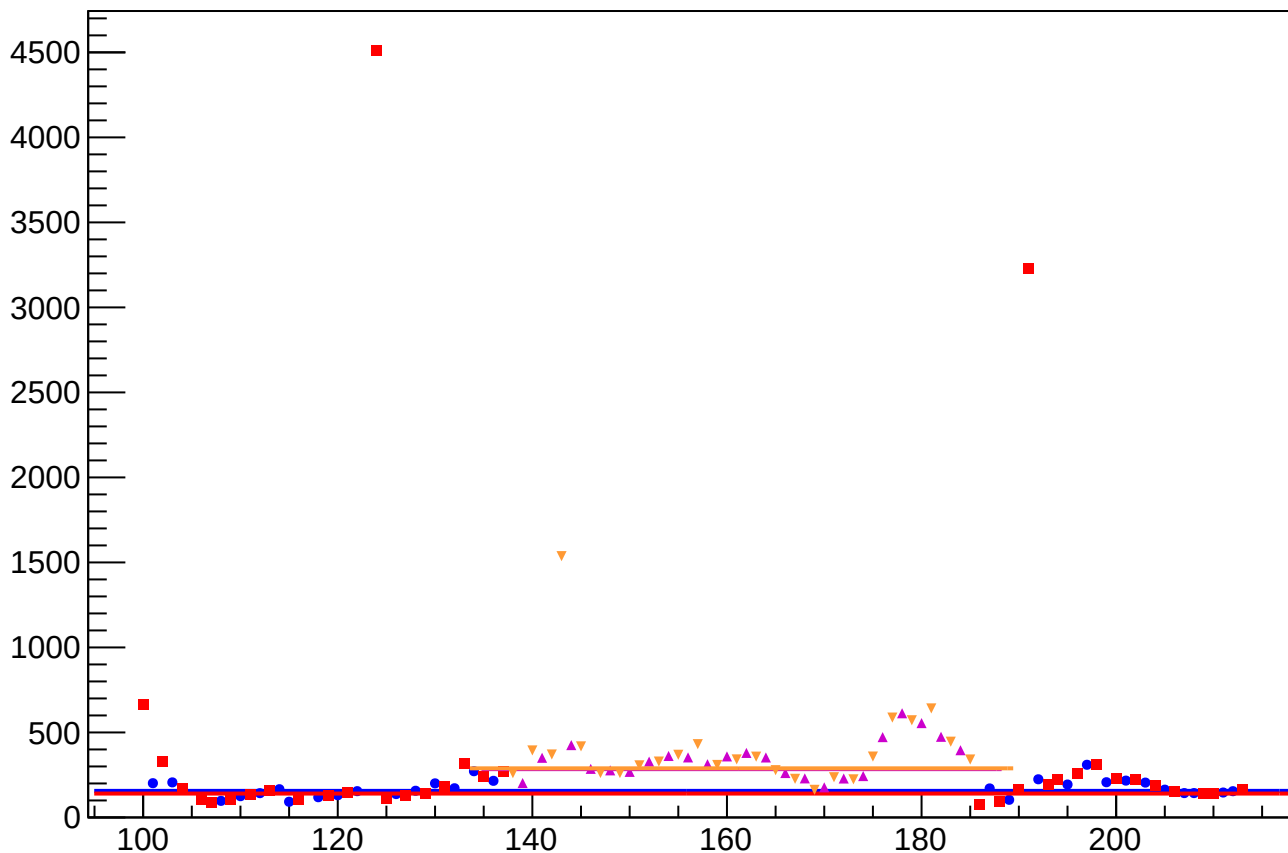
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259862.8/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF : 4720476.5/33

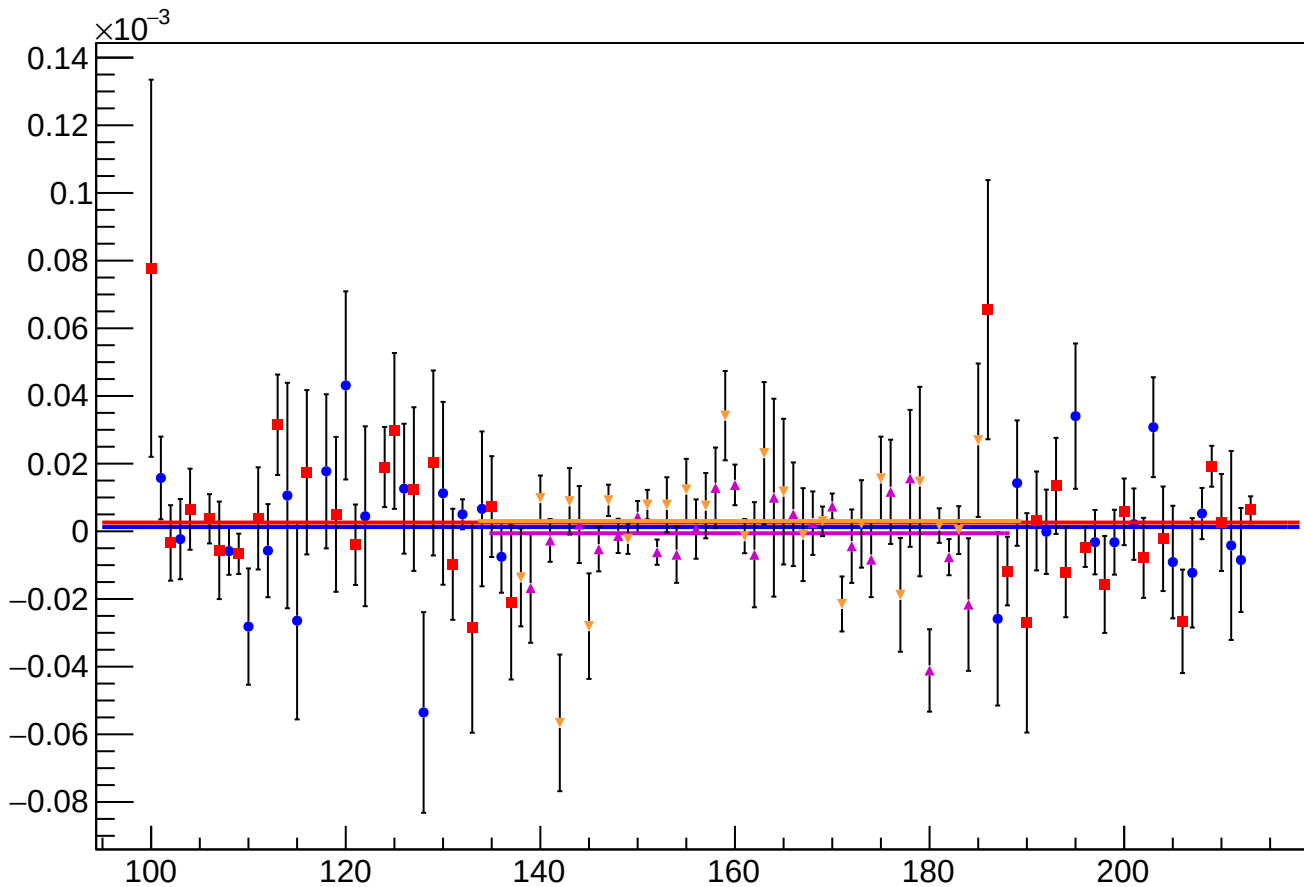
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 187.746+/-0.024 χ^2/NDF : 12228425.8/53

All: 178.134+/-0.017 χ^2/NDF : 26933439.9/11

- sign 169.960+/-0.023 χ^2/NDF : 14419021.1/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.6/33

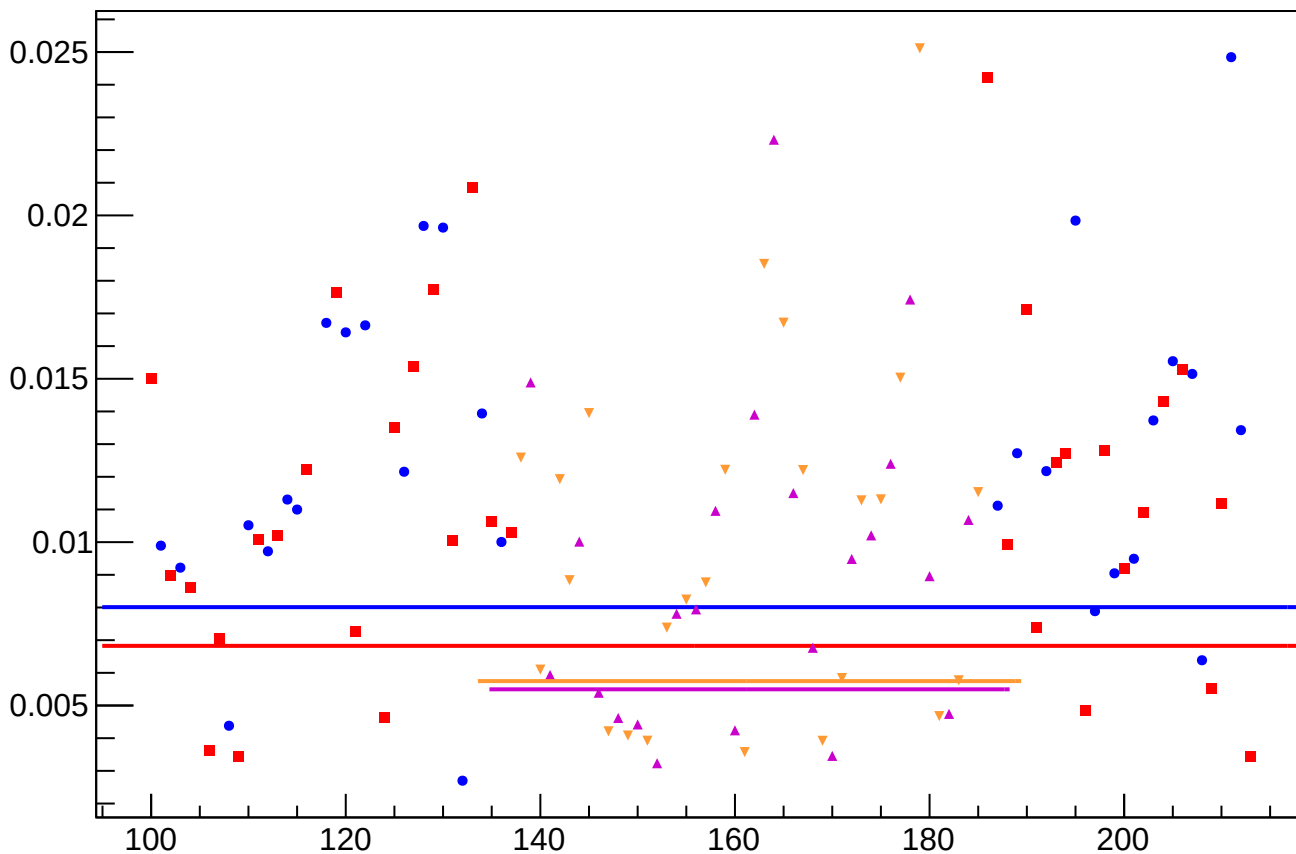
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 143.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8483072.5/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8640607.2/33

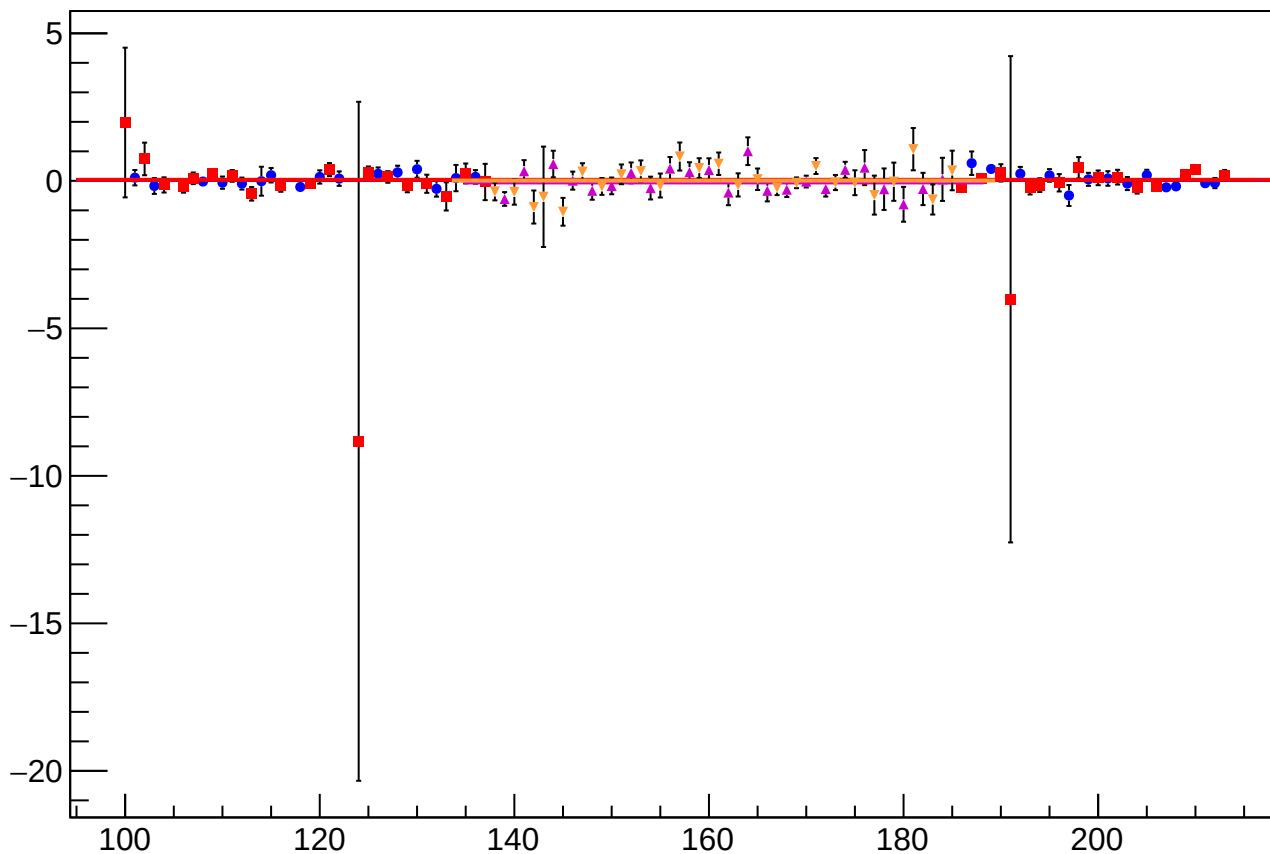
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 17991088.4/53

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 34307175.0/110

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16194748.4/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

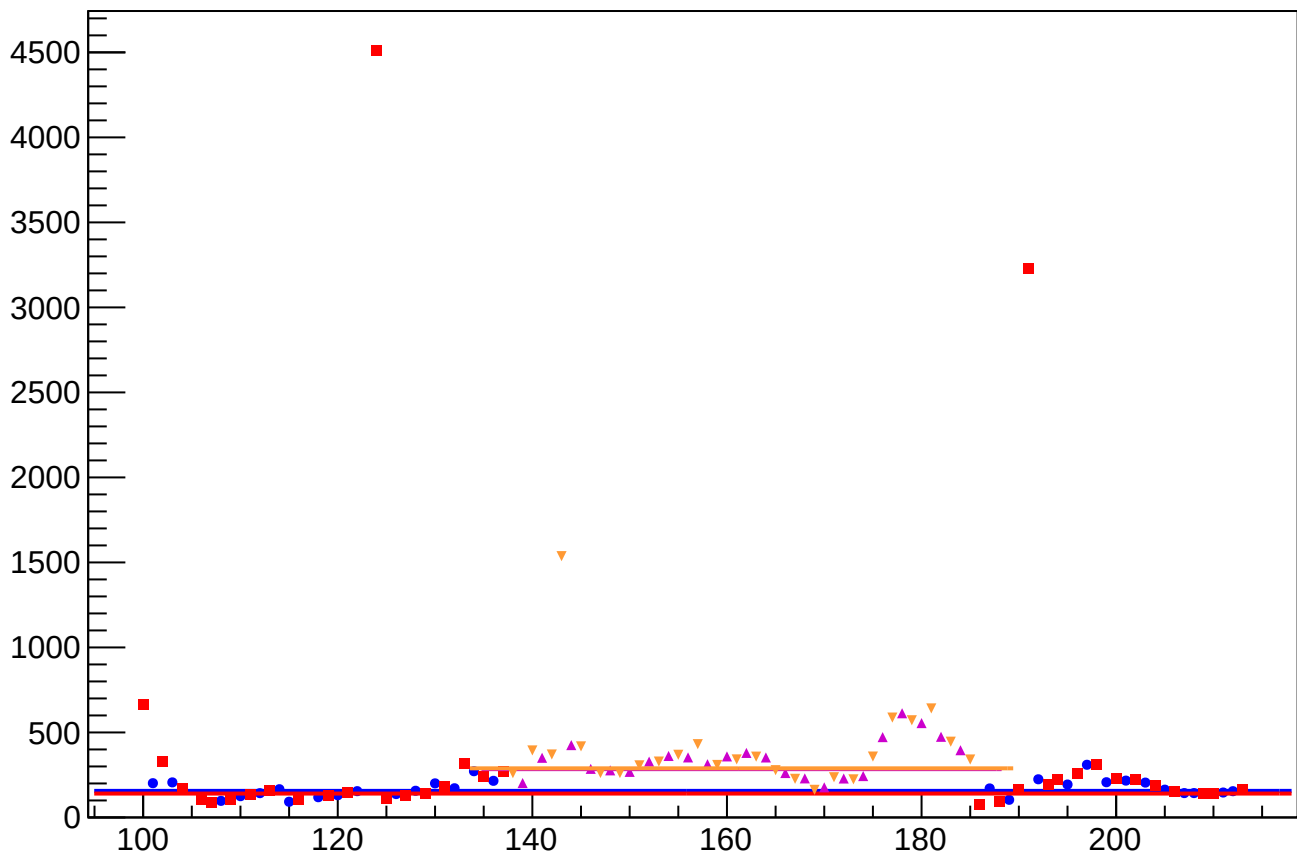
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259840.6/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648388.8/24

Right Out: 140.488 $\pm$ 0.025 χ^2 /NDF: 4720310.1/33

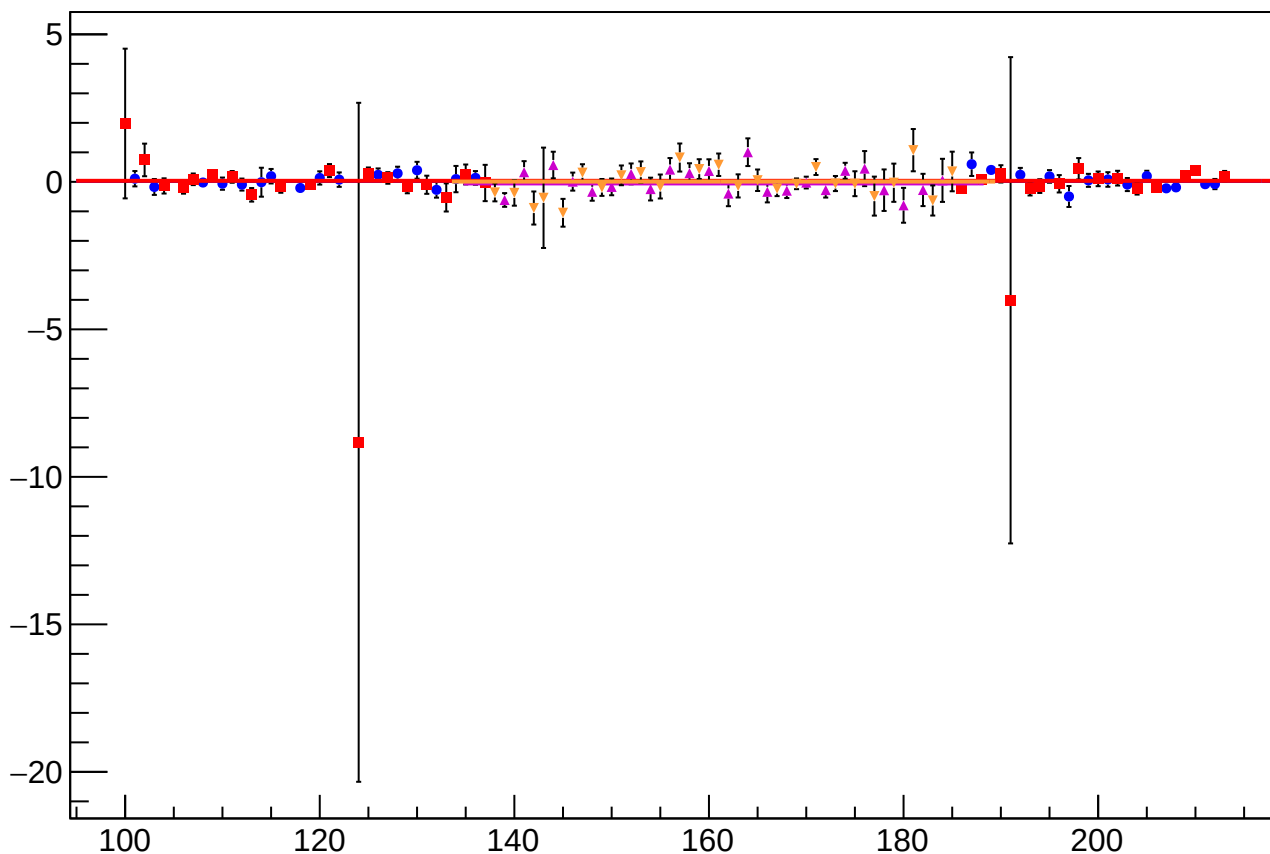
Left In: 284.170 $\pm$ 0.050 χ^2 /NDF: 3077626.7/22

+ sign 187.747 $\pm$ 0.024 χ^2 /NDF: 12228512.1/53

All: 178.136 $\pm$ 0.017 χ^2 /NDF: 26933313.2/1

- sign 169.962 $\pm$ 0.023 χ^2 /NDF: 14418846.9/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 ± 0.040 χ^2/NDF : 27.6/28

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.035 ± 0.036 χ^2/NDF : 40.7/33

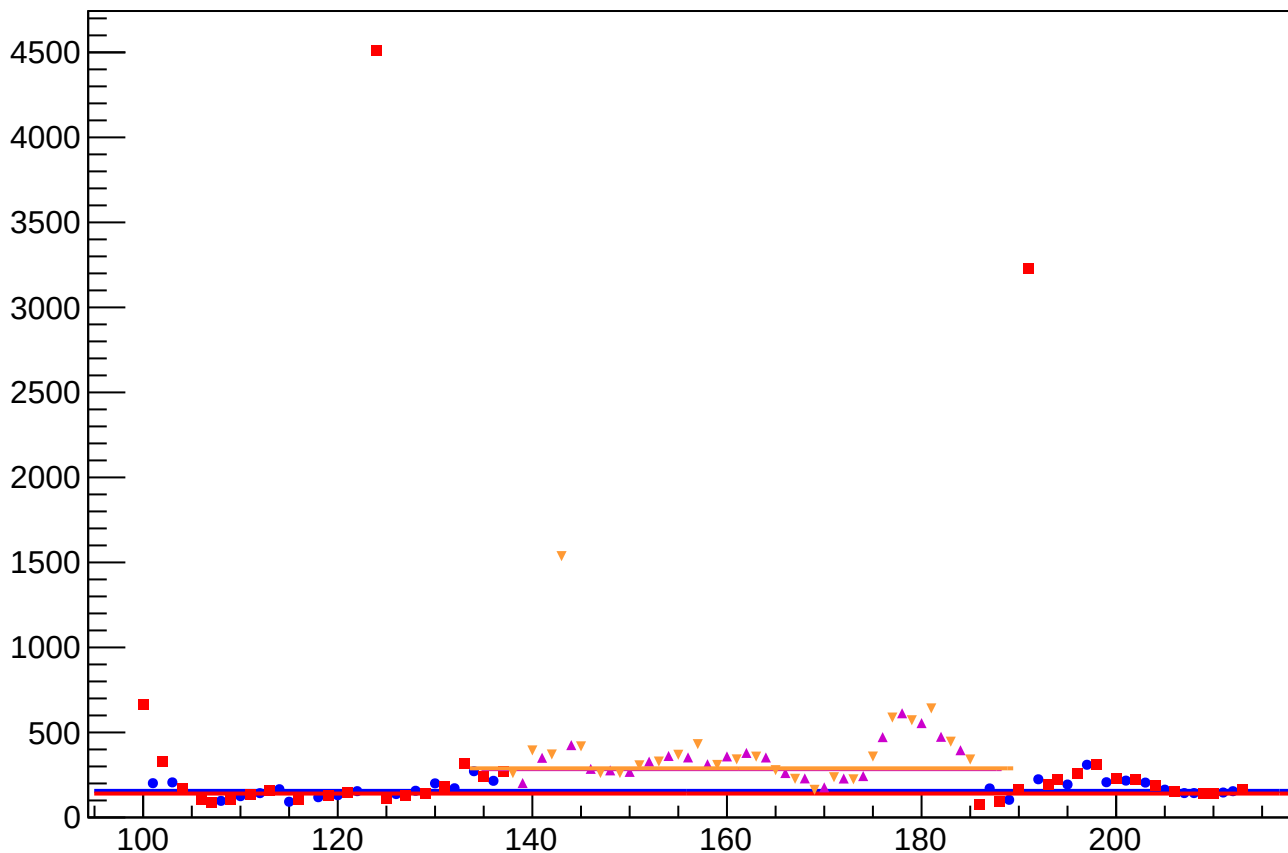
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.024 ± 0.035 χ^2/NDF : 56.5/53

All: 0.020 ± 0.023 χ^2/NDF : 126.2/110

- sign 0.017 ± 0.032 χ^2/NDF : 69.7/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259840.6/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648388.8/24

Right Out: 140.488 $\pm$ 0.025 χ^2 /NDF: 4720310.1/33

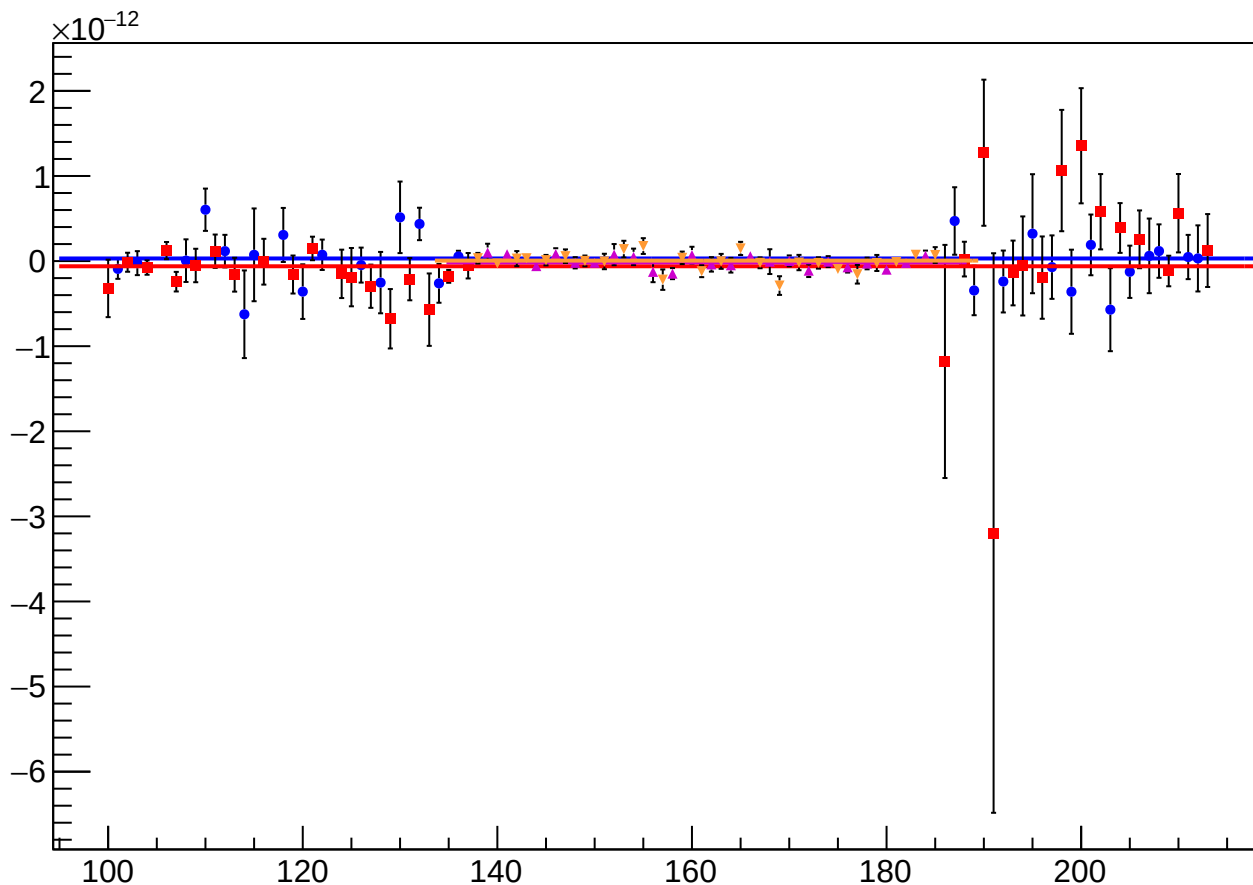
Left In: 284.170 $\pm$ 0.050 χ^2 /NDF: 3077626.7/22

+ sign 187.747 $\pm$ 0.024 χ^2 /NDF: 12228512.1/53

All: 178.136 $\pm$ 0.017 χ^2 /NDF: 26933313.2/1

- sign 169.962 $\pm$ 0.023 χ^2 /NDF: 14418846.9/56

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/33

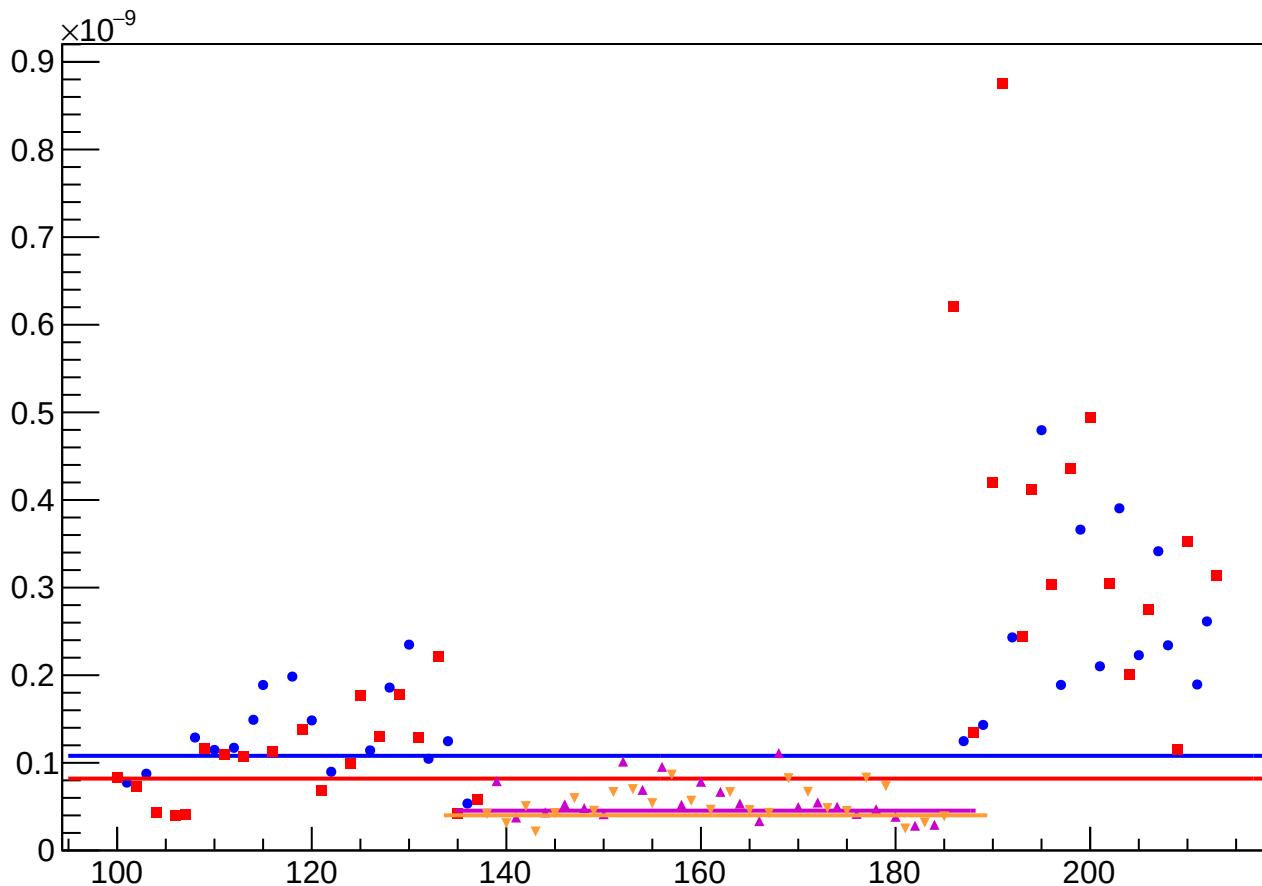
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 125.2/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/56

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6105920.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8993126.0/33

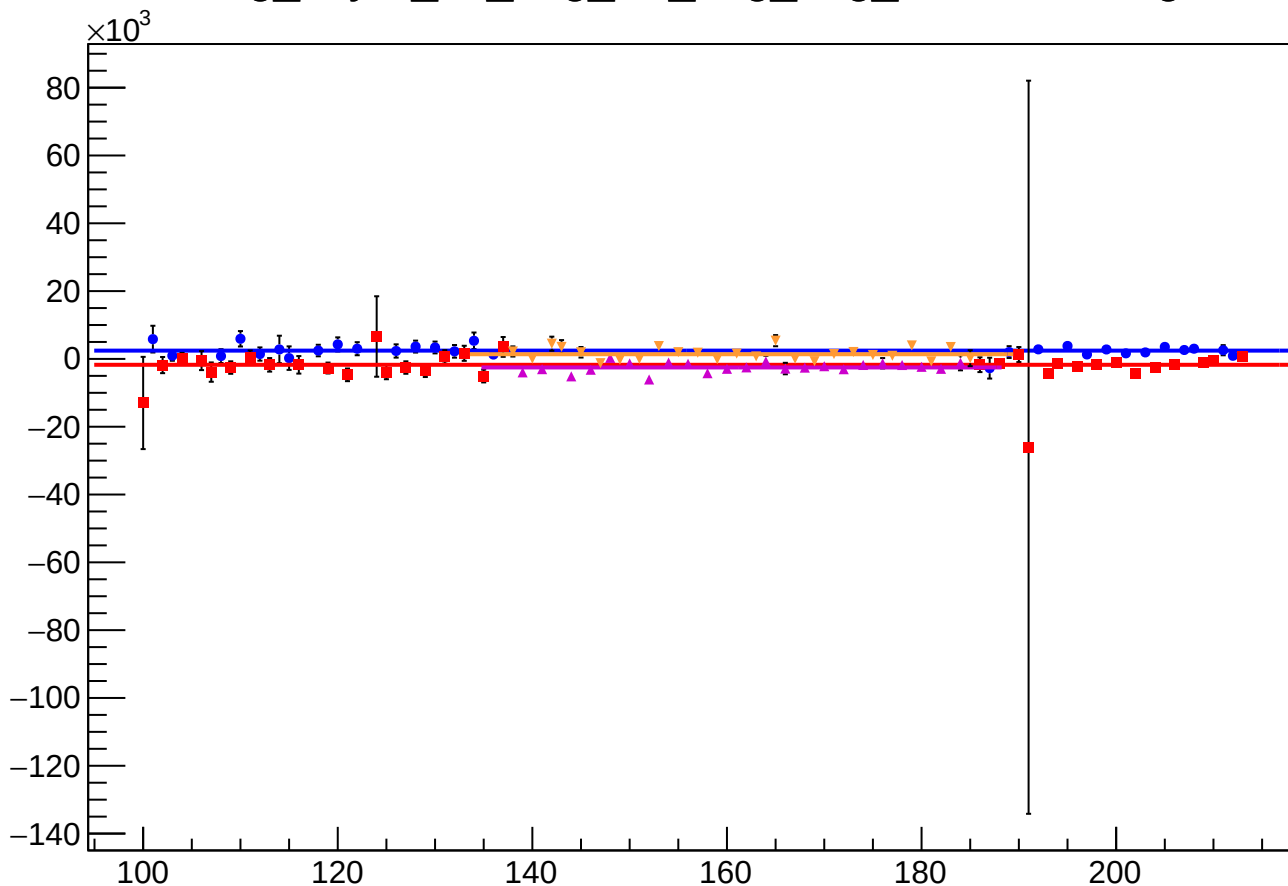
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 15143924.1/53

All: 0.000+/-0.000 χ^2/NDF : 29266563.5/110

- sign 0.000+/-0.000 χ^2/NDF : 13962625.3/56

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2445.955 $\pm$ 312.920 χ^2/NDF : 16.1/28

Left Out: 1383.252 $\pm$ 292.777 χ^2/NDF : 32.9/24

Right Out: -1734.642 $\pm$ 305.325 χ^2/NDF : 33.1/33

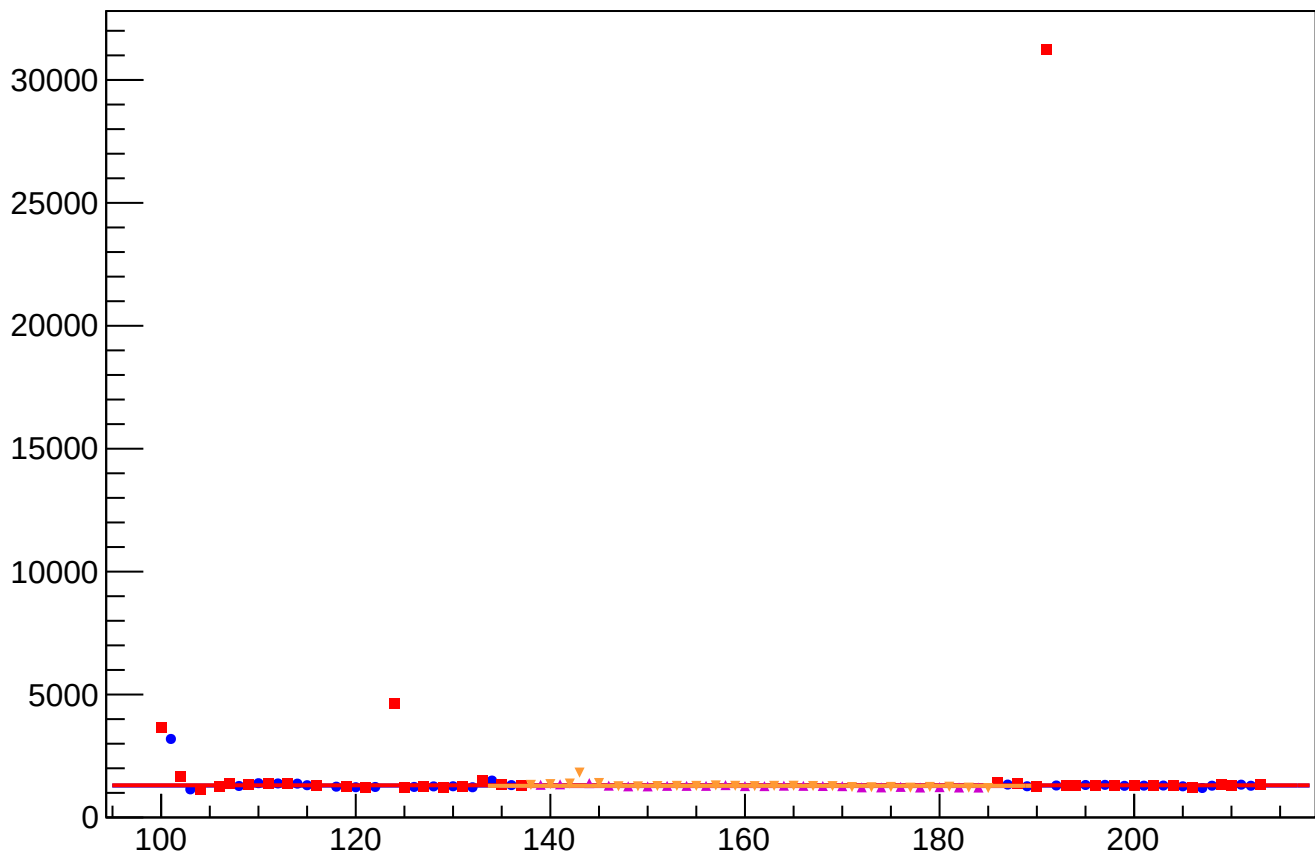
Left In: -2519.365 $\pm$ 298.095 χ^2/NDF : 22.5/22

+ sign 1879.301 $\pm$ 213.791 χ^2/NDF : 55.2/53

All: -133.212 $\pm$ 150.998 χ^2/NDF : 290.9/110

- sign -2136.404 $\pm$ 213.295 χ^2/NDF : 58.9/56

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.075+/-0.221 χ^2/NDF : 533551.7/28

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1308.319+/-0.216 χ^2/NDF : 506181.3/33

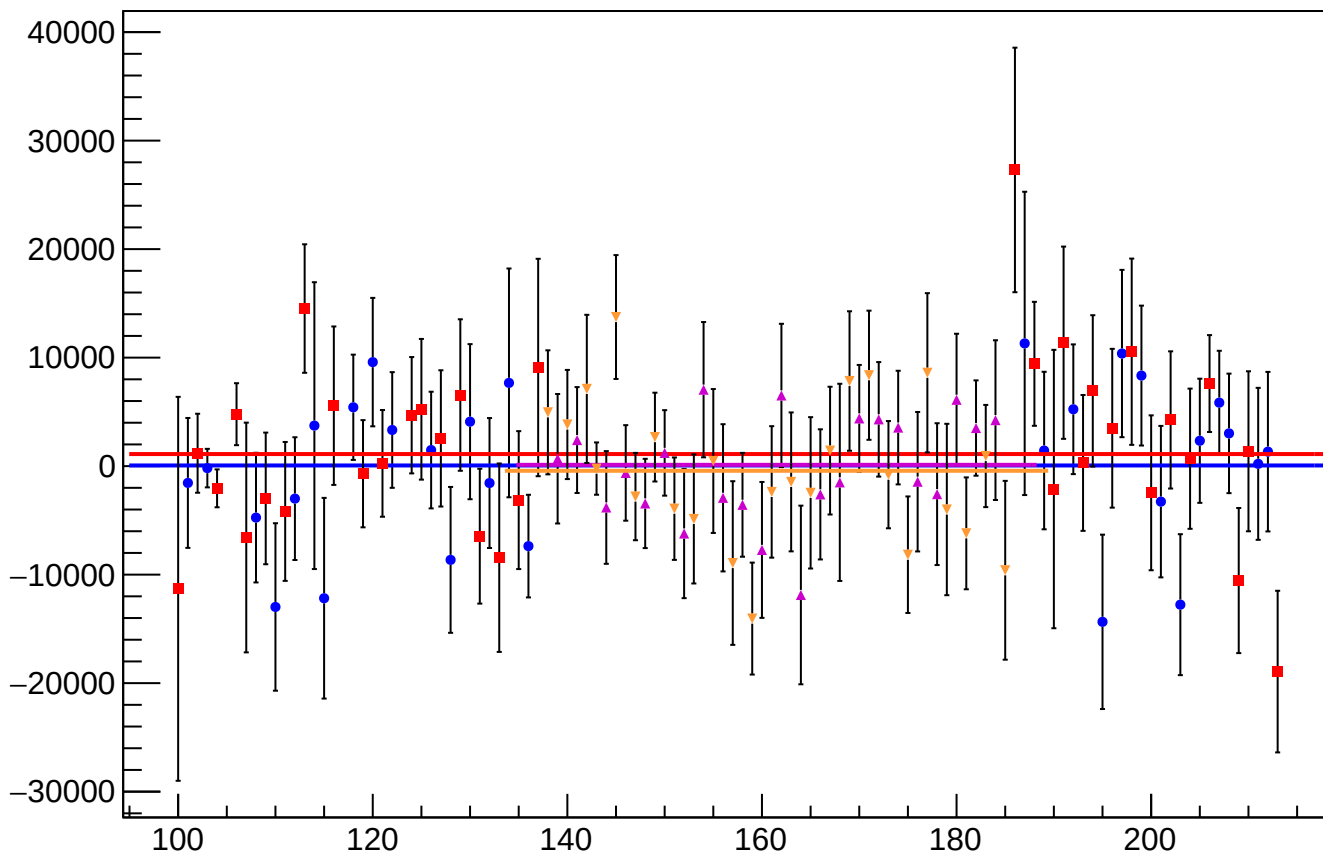
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1290.516+/-0.151 χ^2/NDF : 725762.9/53

All: 1291.139+/-0.107 χ^2/NDF : 1284904.5/11

- sign 1291.759+/-0.151 χ^2/NDF : 559107.7/56

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



Right In: 61.903+/-999.193 χ^2/NDF : 29.2/28

Left Out: -428.530+/-1038.038 χ^2/NDF : 29.8/24

Right Out: 1112.918+/-908.757 χ^2/NDF : 41.9/33

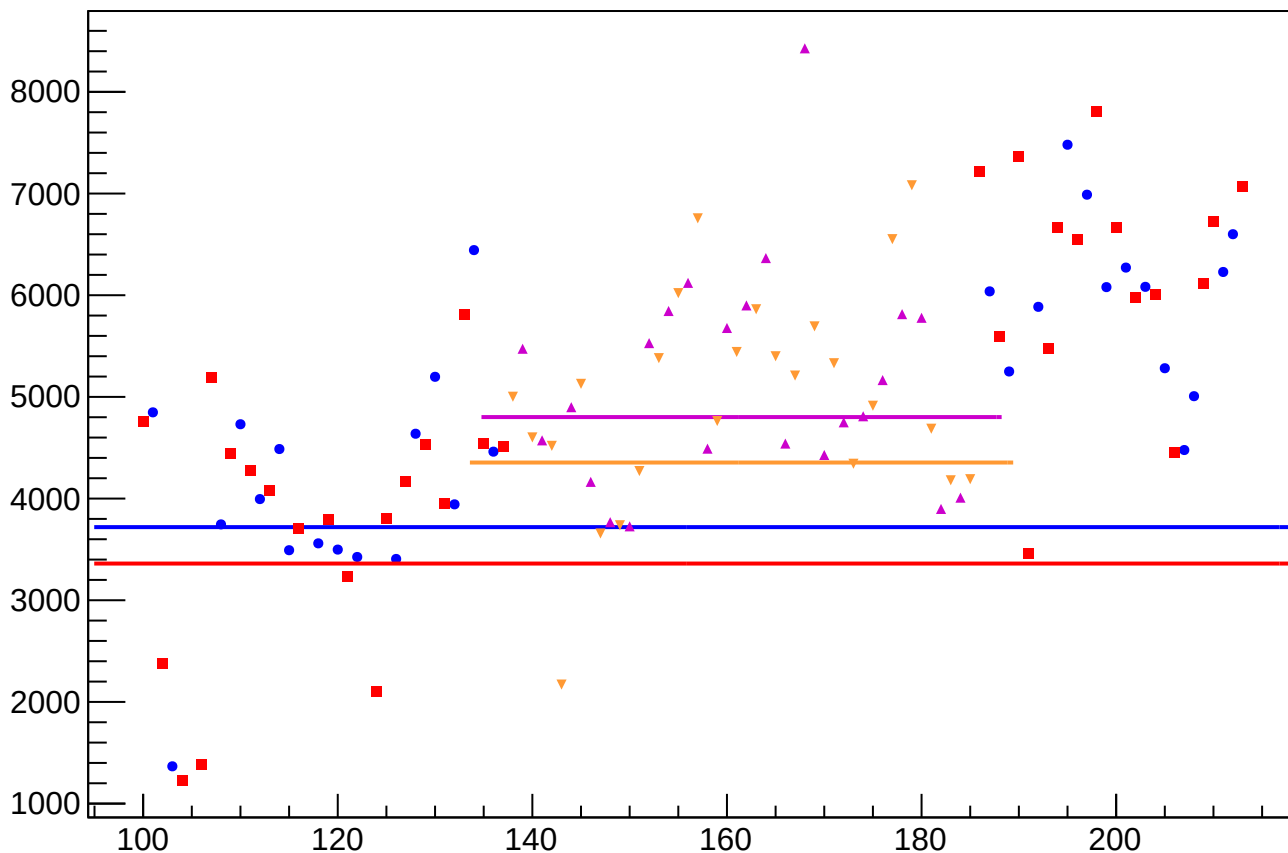
Left In: 119.335+/-1144.695 χ^2/NDF : 13.6/22

+ sign -173.966+/-719.877 χ^2/NDF : 59.1/53

All: 282.550+/-506.128 χ^2/NDF : 115.9/110

- sign 728.800+/-711.738 χ^2/NDF : 56.0/56

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3719.217 $\pm$ 0.707 χ^2 /NDF: 6833982.9/28

Left Out: 4354.526 $\pm$ 0.734 χ^2 /NDF: 3071436.3/24

Right Out: 3360.917 $\pm$ 0.643 χ^2 /NDF: 9602648.6/33

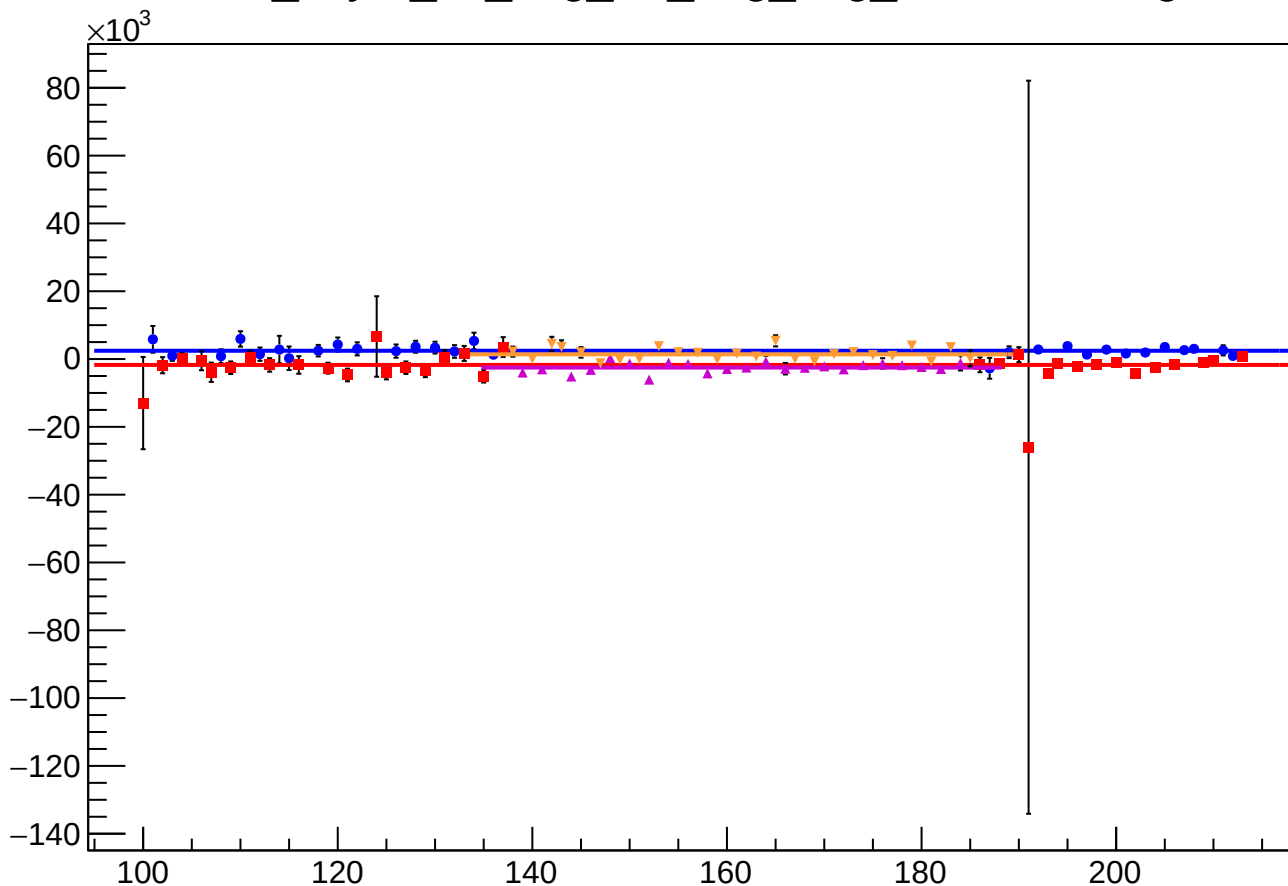
Left In: 4801.573 $\pm$ 0.809 χ^2 /NDF: 1231883.2/22

+ sign 4024.762 $\pm$ 0.509 χ^2 /NDF: 10294278.3/53

All: 3970.710 $\pm$ 0.358 χ^2 /NDF: 23094299.8/100

- sign 3917.872 $\pm$ 0.503 χ^2 /NDF: 12777723.4/56

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2445.880 $\pm$ 312.920 χ^2/NDF : 16.1/28

Left Out: 1383.188 $\pm$ 292.777 χ^2/NDF : 32.9/24

Right Out: -1734.570 $\pm$ 305.325 χ^2/NDF : 33.1/33

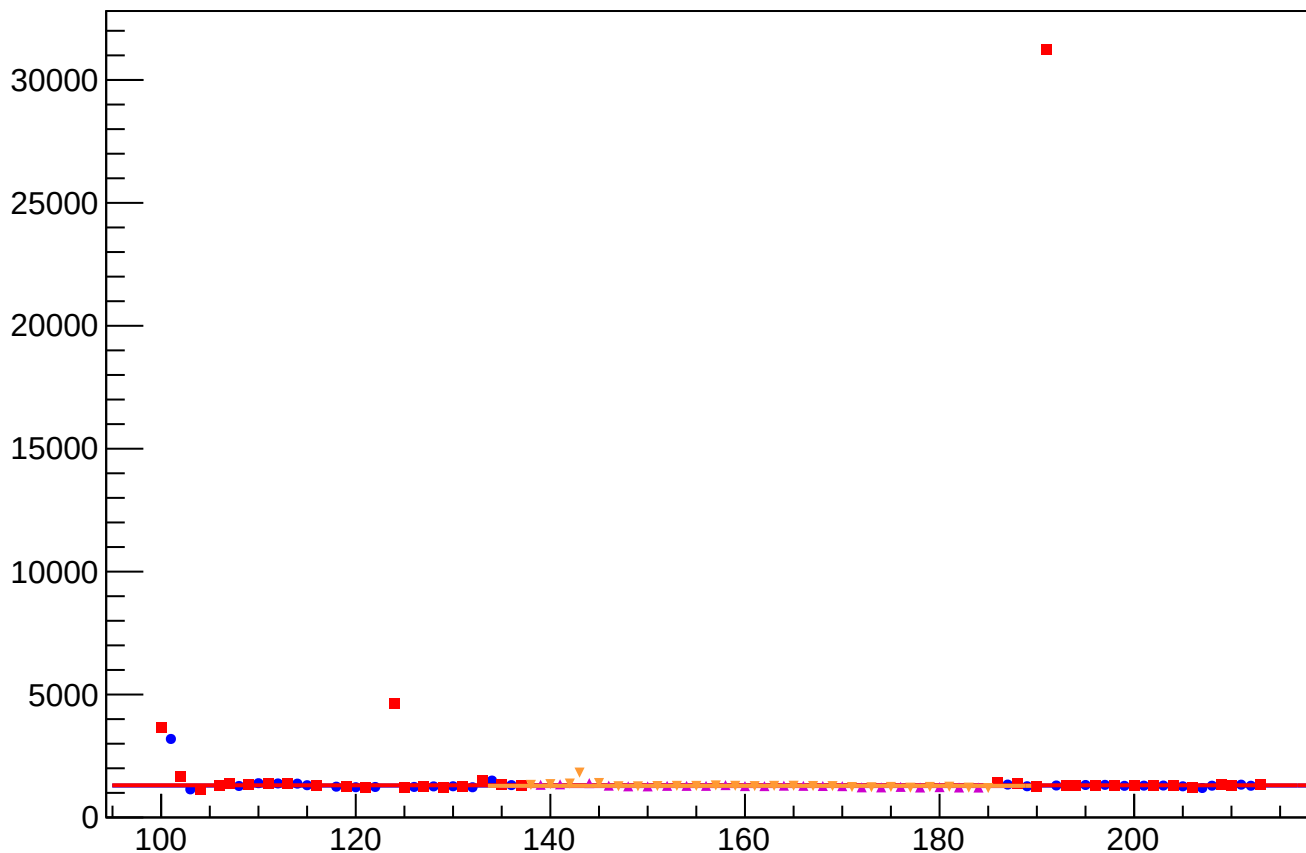
Left In: -2519.366 $\pm$ 298.095 χ^2/NDF : 22.5/22

+ sign 1879.231 $\pm$ 213.791 χ^2/NDF : 55.2/53

All: -133.229 $\pm$ 150.998 χ^2/NDF : 290.9/110

- sign -2136.370 $\pm$ 213.295 χ^2/NDF : 58.9/56

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.075+/-0.221 χ^2/NDF : 533553.2/28

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1308.746+/-0.216 χ^2/NDF : 505836.1/33

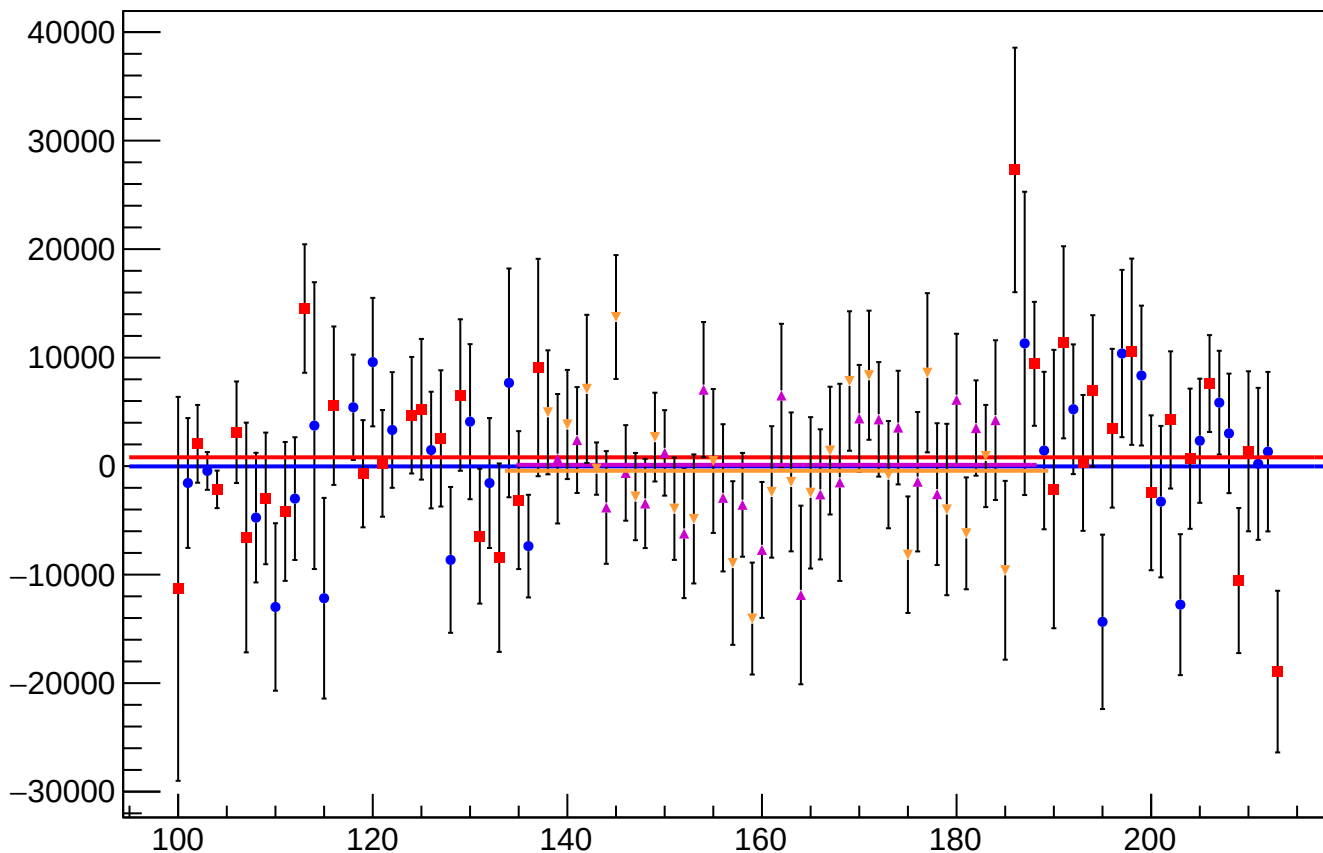
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1290.516+/-0.151 χ^2/NDF : 725764.3/53

All: 1291.241+/-0.107 χ^2/NDF : 1284874.7/11

- sign 1291.962+/-0.151 χ^2/NDF : 559064.5/56

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



Right In: -26.005 $\pm$ 993.040 χ^2 /NDF: 29.3/28

Left Out: -428.525 $\pm$ 1038.036 χ^2 /NDF:29.8/24

Right Out: 813.521 $\pm$ 935.625 χ^2 /NDF: 40.7/33

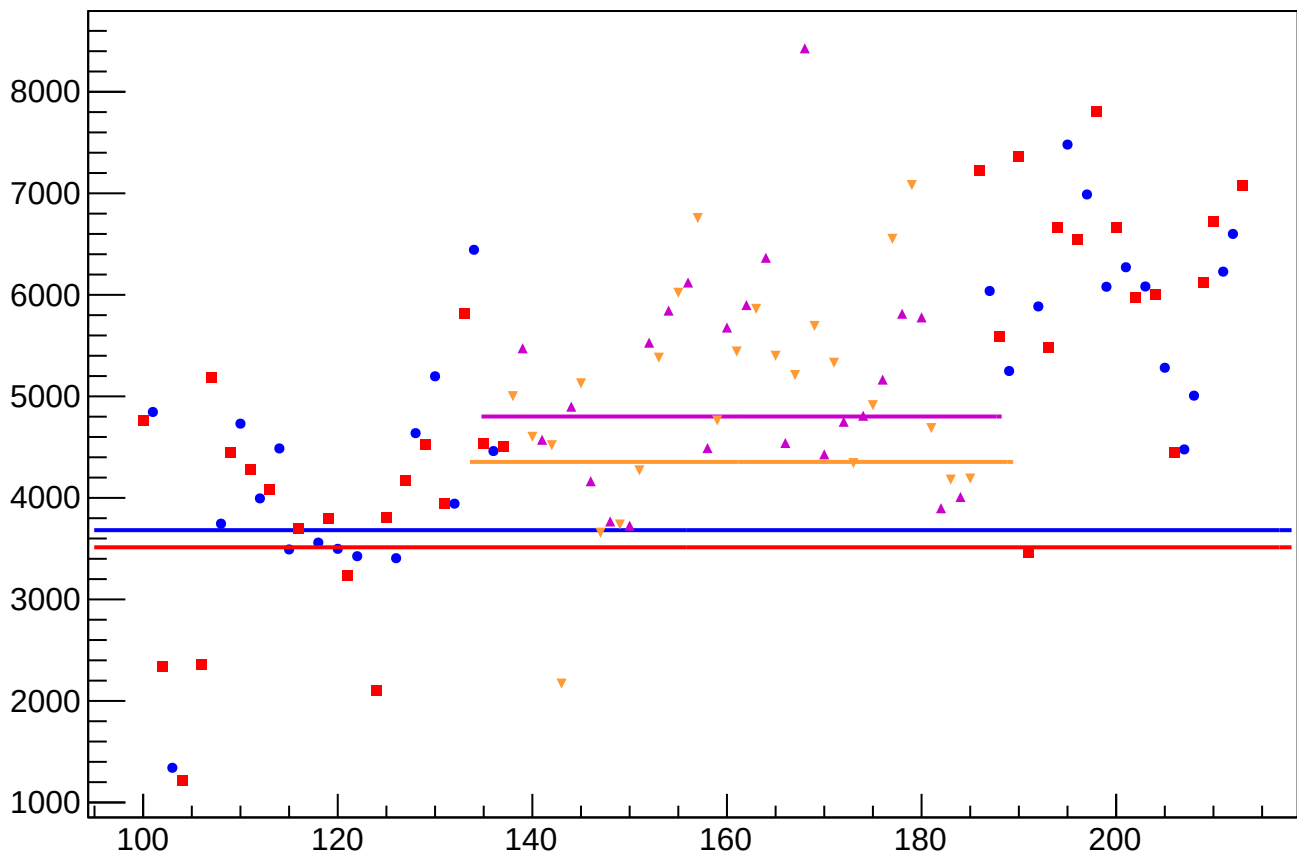
Left In: 119.307 $\pm$ 1144.695 χ^2 /NDF:13.6/22

+ sign -218.352 $\pm$ 717.565 χ^2 /NDF: 59.2/53

All: 154.980 $\pm$ 509.804 χ^2 /NDF: 114.2/110

- sign 535.485 $\pm$ 724.426 χ^2 /NDF: 54.5/56

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 3682.136+/-0.702 χ^2/NDF : 7047413.8/28

Left Out: 4354.511+/-0.734 χ^2/NDF : 3071528.5/24

Right Out: 3513.341+/-0.662 χ^2/NDF : 8790765.0/33

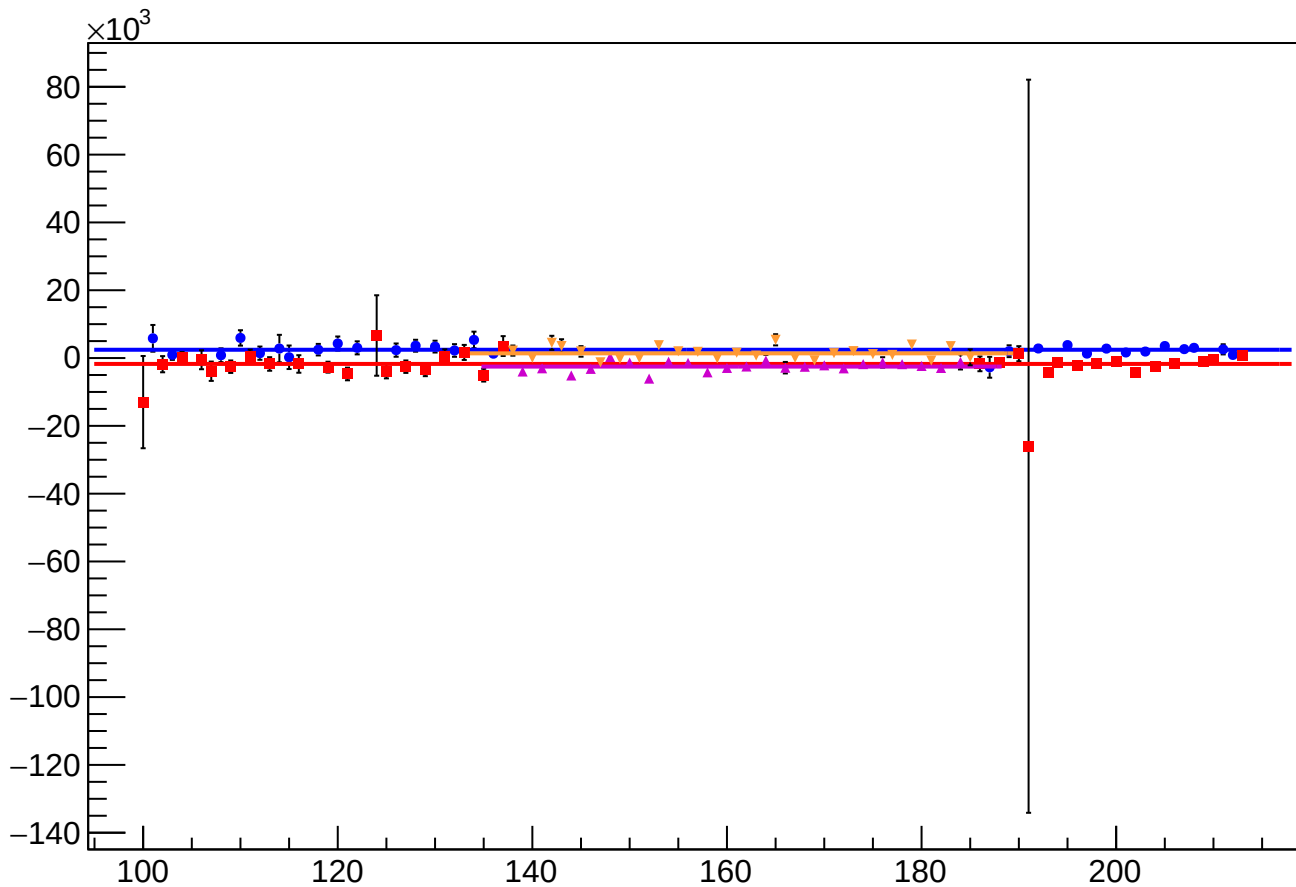
Left In: 4801.570+/-0.809 χ^2/NDF : 1231894.6/22

+ sign 4003.435+/-0.507 χ^2/NDF : 10557088.0/53

All: 4016.236+/-0.360 χ^2/NDF : 22099557.6/100

- sign 4029.284+/-0.512 χ^2/NDF : 11541184.3/56

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2445.880+/-312.920 χ^2/NDF : 16.1/28

Left Out: 1383.188+/-292.777 χ^2/NDF : 32.9/24

Right Out: -1734.570+/-305.325 χ^2/NDF : 33.1/33

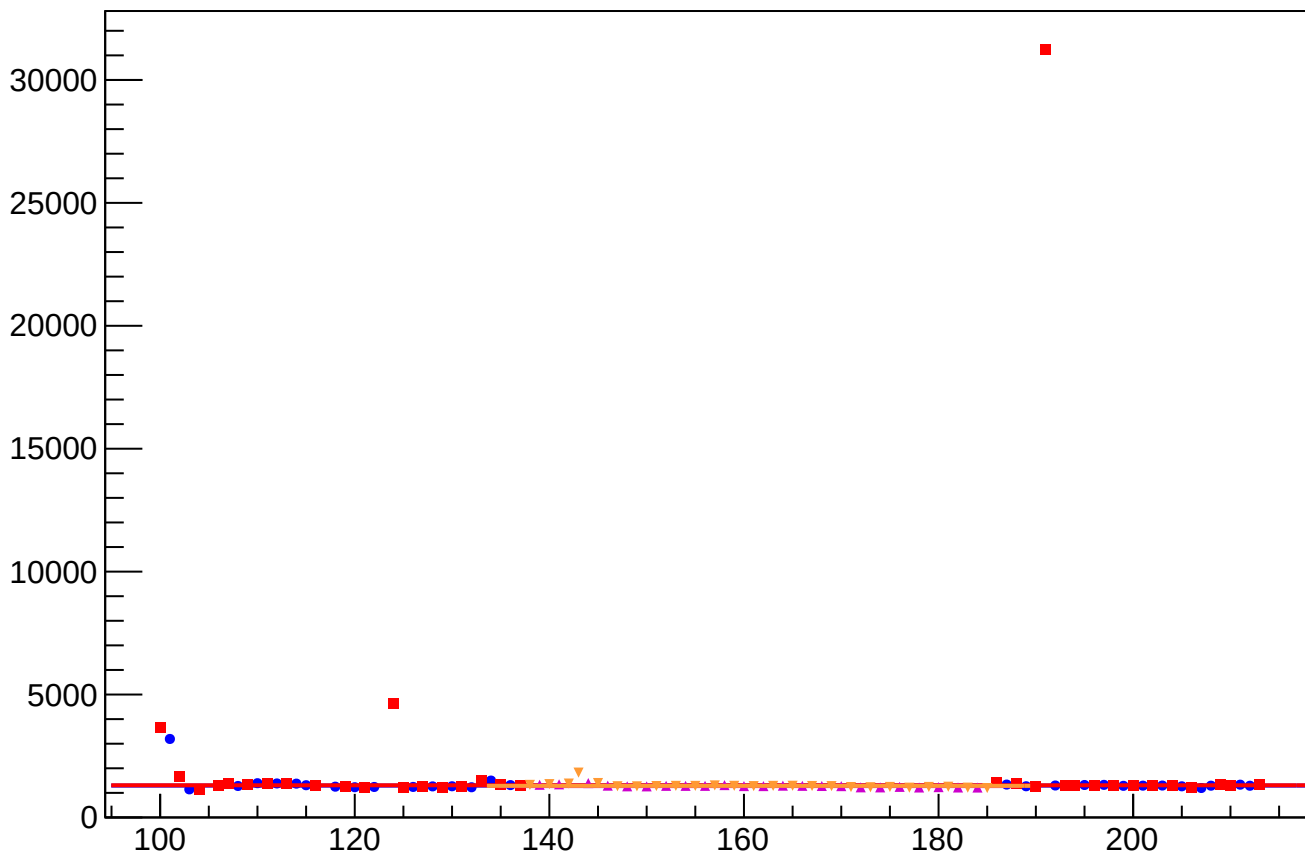
Left In: -2519.366+/-298.095 χ^2/NDF : 22.5/22

+ sign 1879.231+/-213.791 χ^2/NDF : 55.2/53

All: -133.229+/-150.998 χ^2/NDF : 290.9/110

- sign -2136.370+/-213.295 χ^2/NDF : 58.9/56

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1296.075+/-0.221 χ^2/NDF : 533553.2/28

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1308.746+/-0.216 χ^2/NDF : 505836.1/33

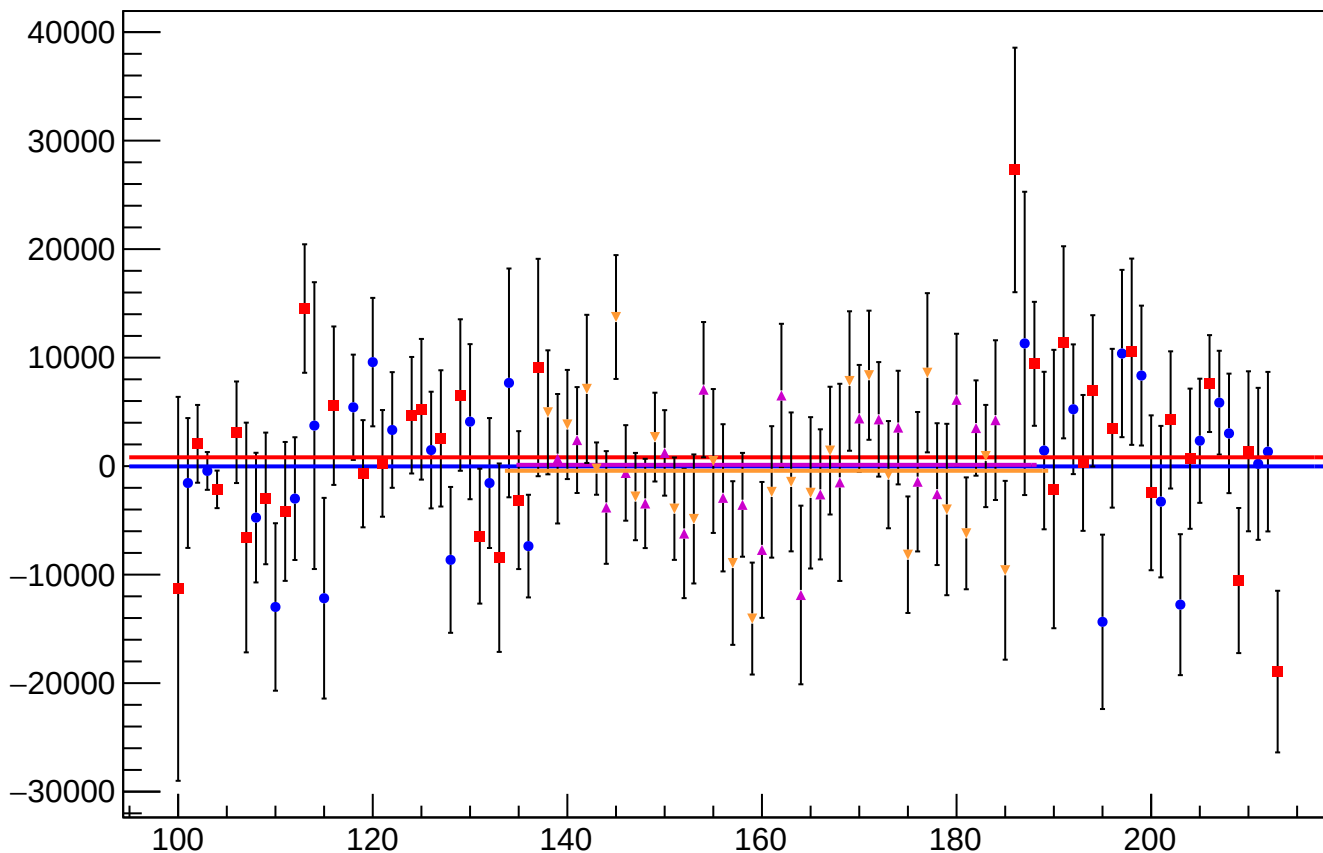
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1290.516+/-0.151 χ^2/NDF : 725764.3/53

All: 1291.241+/-0.107 χ^2/NDF : 1284874.7/11

- sign 1291.962+/-0.151 χ^2/NDF : 559064.5/56

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -26.005 $\pm$ 993.040 χ^2 /NDF: 29.3/28

Left Out: -428.525 $\pm$ 1038.036 χ^2 /NDF:29.8/24

Right Out: 813.521 $\pm$ 935.625 χ^2 /NDF: 40.7/33

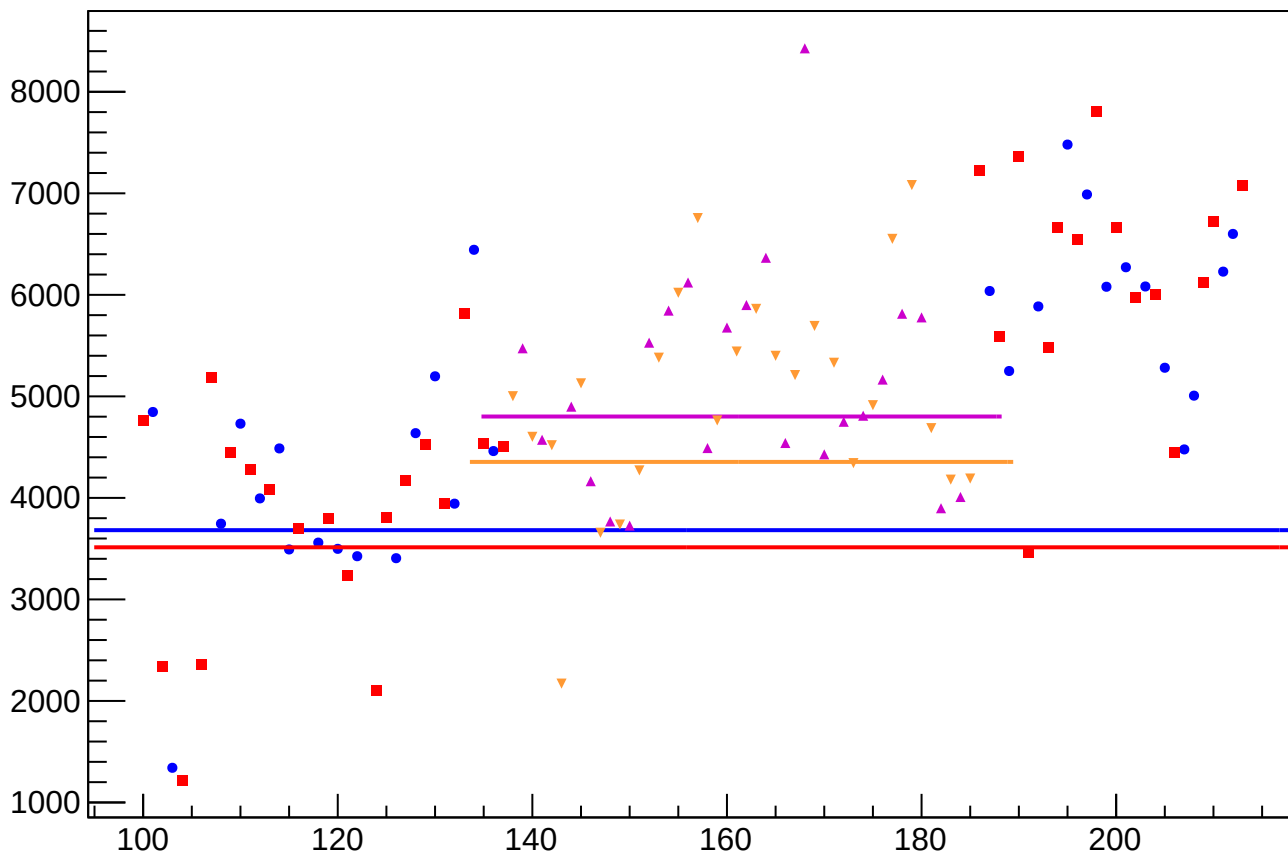
Left In: 119.307 $\pm$ 1144.695 χ^2 /NDF:13.6/22

+ sign -218.352 $\pm$ 717.565 χ^2 /NDF: 59.2/53

All: 154.980 $\pm$ 509.804 χ^2 /NDF: 114.2/110

- sign 535.485 $\pm$ 724.426 χ^2 /NDF: 54.5/56

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 3682.136 $\pm$ 0.702 χ^2 /NDF: 7047413.8/28

Left Out: 4354.511 $\pm$ 0.734 χ^2 /NDF: 3071528.5/24

Right Out: 3513.341 $\pm$ 0.662 χ^2 /NDF: 8790765.0/33

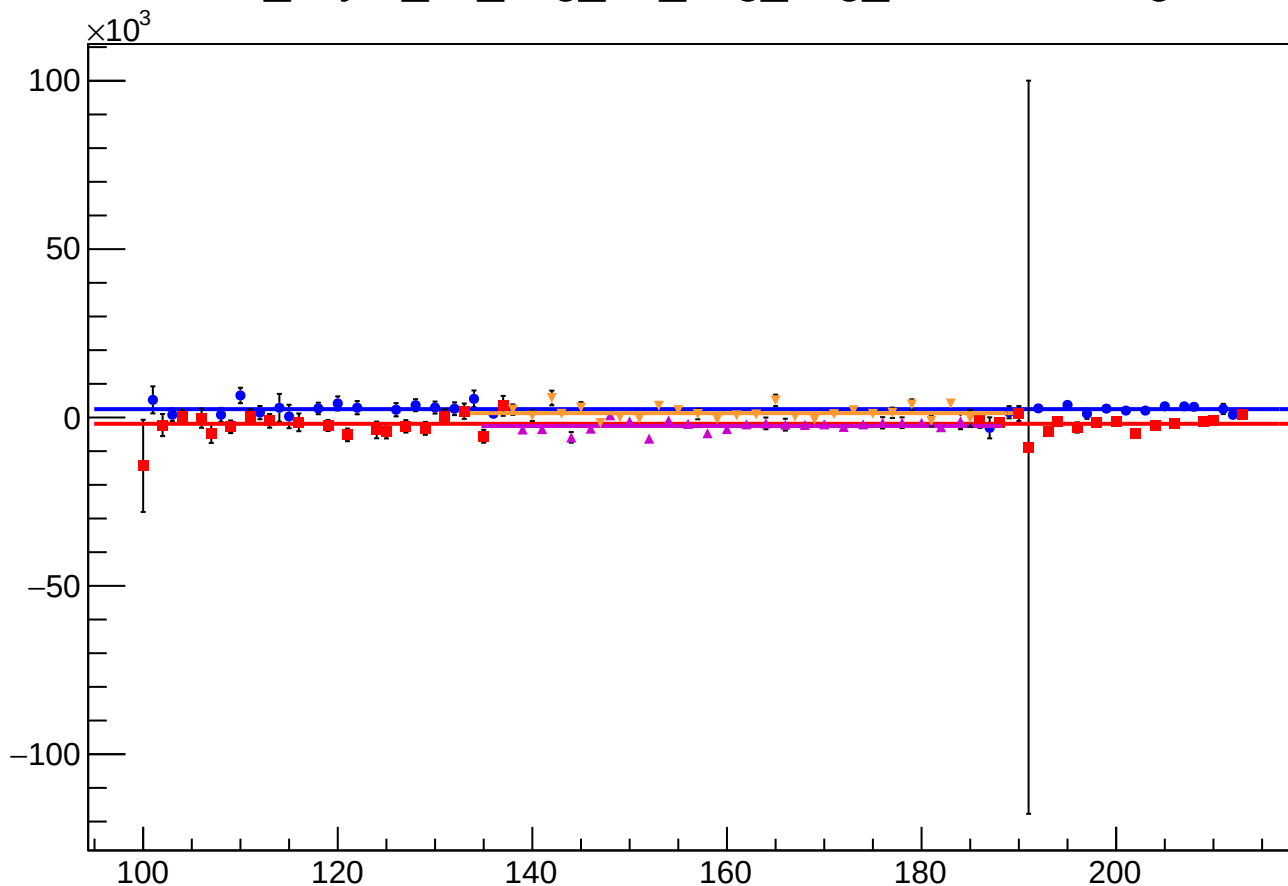
Left In: 4801.570 $\pm$ 0.809 χ^2 /NDF: 1231894.6/22

+ sign 4003.435 $\pm$ 0.507 χ^2 /NDF: 10557088.0/53

All: 4016.236 $\pm$ 0.360 χ^2 /NDF: 22099557.6/100

- sign 4029.284 $\pm$ 0.512 χ^2 /NDF: 11541184.3/56

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2482.852 ± 321.096 χ^2/NDF : 16.9/28

Left Out: 1284.422 ± 300.530 χ^2/NDF : 33.4/24

Right Out: -1868.938 ± 311.770 χ^2/NDF : 34.7/33

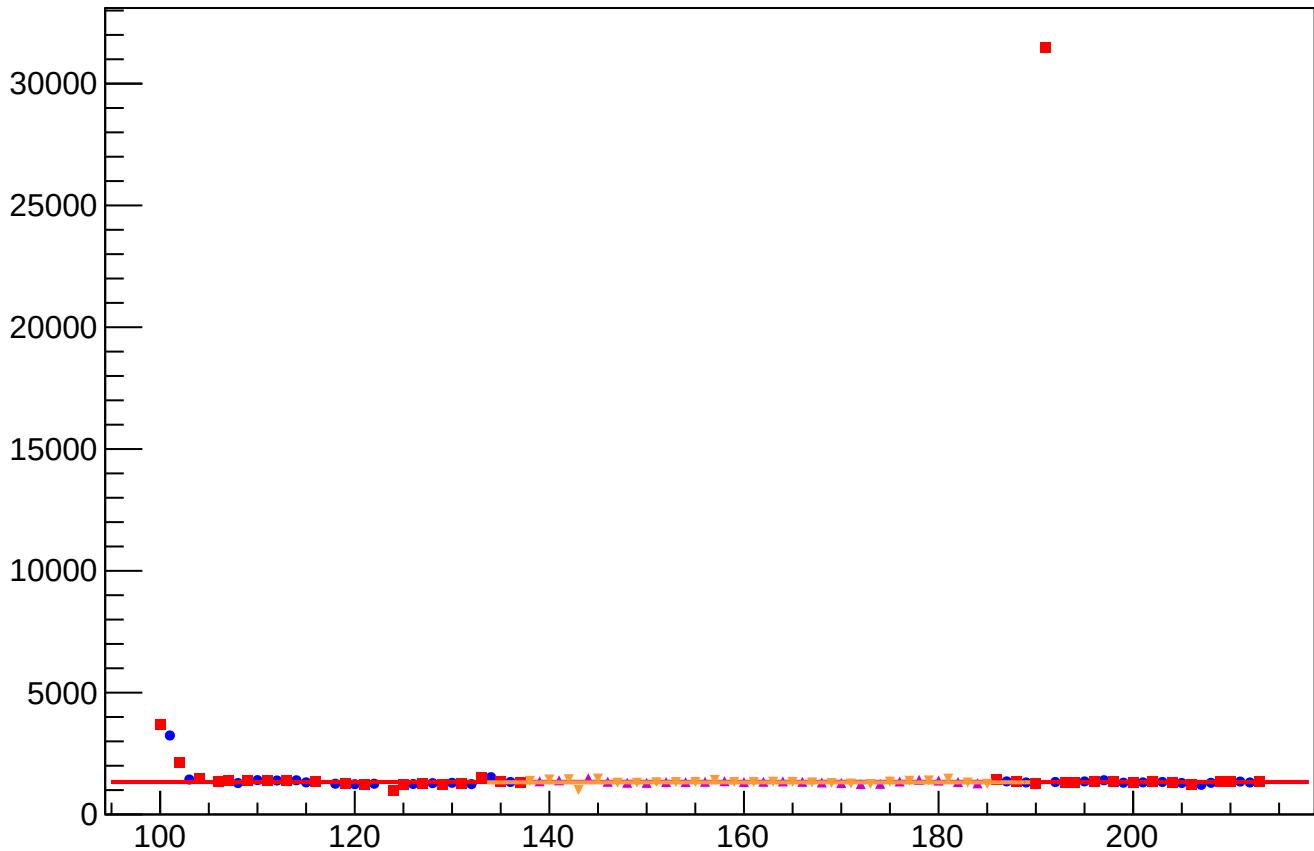
Left In: -2531.791 ± 312.886 χ^2/NDF : 25.0/22

+ sign 1844.030 ± 219.417 χ^2/NDF : 57.7/53

All: -164.431 ± 155.655 χ^2/NDF : 288.4/110

- sign -2199.180 ± 220.848 χ^2/NDF : 62.0/56

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.732 $\pm$ 0.227 χ^2 /NDF: 522838.3/28

Left Out: 1318.174 $\pm$ 0.213 χ^2 /NDF: 248547.7/24

Right Out: 1334.559 $\pm$ 0.220 χ^2 /NDF: 447785.2/33

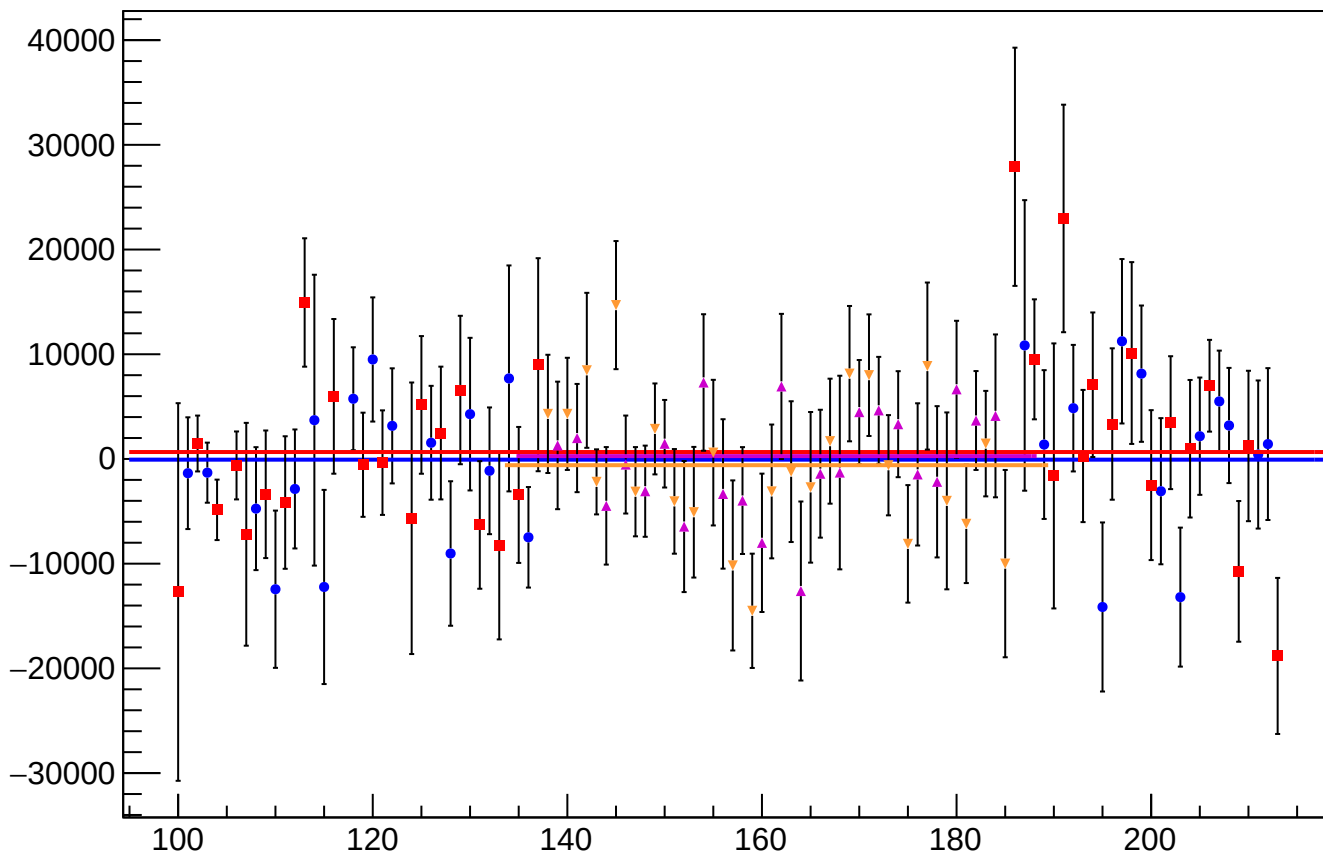
Left In: 1338.602 $\pm$ 0.221 χ^2 /NDF: 54248.5/22

+ sign 1323.571 $\pm$ 0.155 χ^2 /NDF: 772767.3/53

All: 1330.031 $\pm$ 0.110 χ^2 /NDF: 1278457.4/11

- sign 1336.573 $\pm$ 0.156 χ^2 /NDF: 502201.3/56

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -67.749 ± 1115.067 χ^2/NDF : 29.0/28

Left Out: -594.916 ± 1122.287 χ^2/NDF : 29.5/24

Right Out: 661.767 ± 998.959 χ^2/NDF : 43.7/33

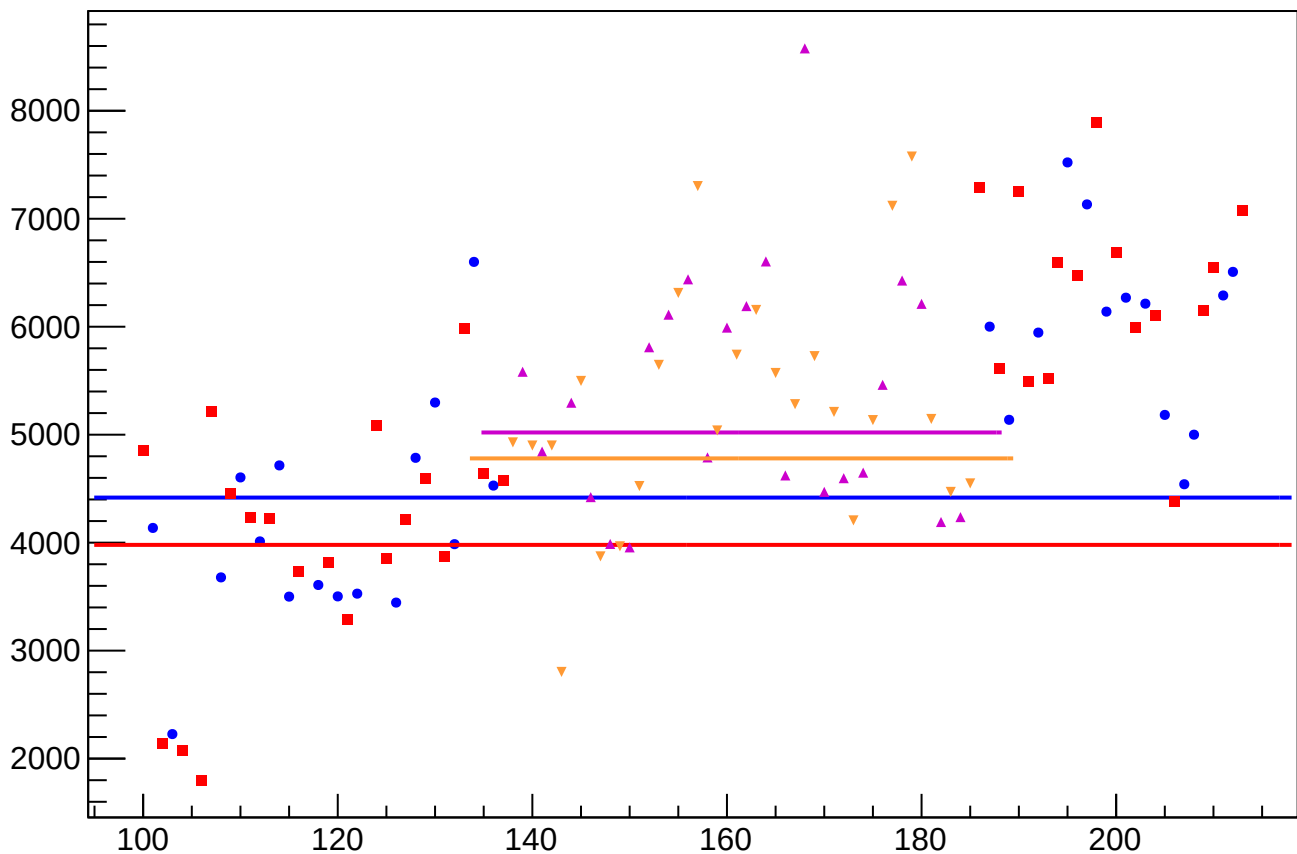
Left In: 272.915 ± 1196.804 χ^2/NDF : 13.4/22

+ sign -329.632 ± 791.012 χ^2/NDF : 58.7/53

All: 99.096 ± 550.611 χ^2/NDF : 116.4/110

- sign 502.096 ± 766.910 χ^2/NDF : 57.2/56

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 4417.557+/-0.788 χ^2/NDF : 3084989.0/28

Left Out: 4780.396+/-0.794 χ^2/NDF : 2006245.3/24

Right Out: 3979.421+/-0.706 χ^2/NDF : 6060962.5/33

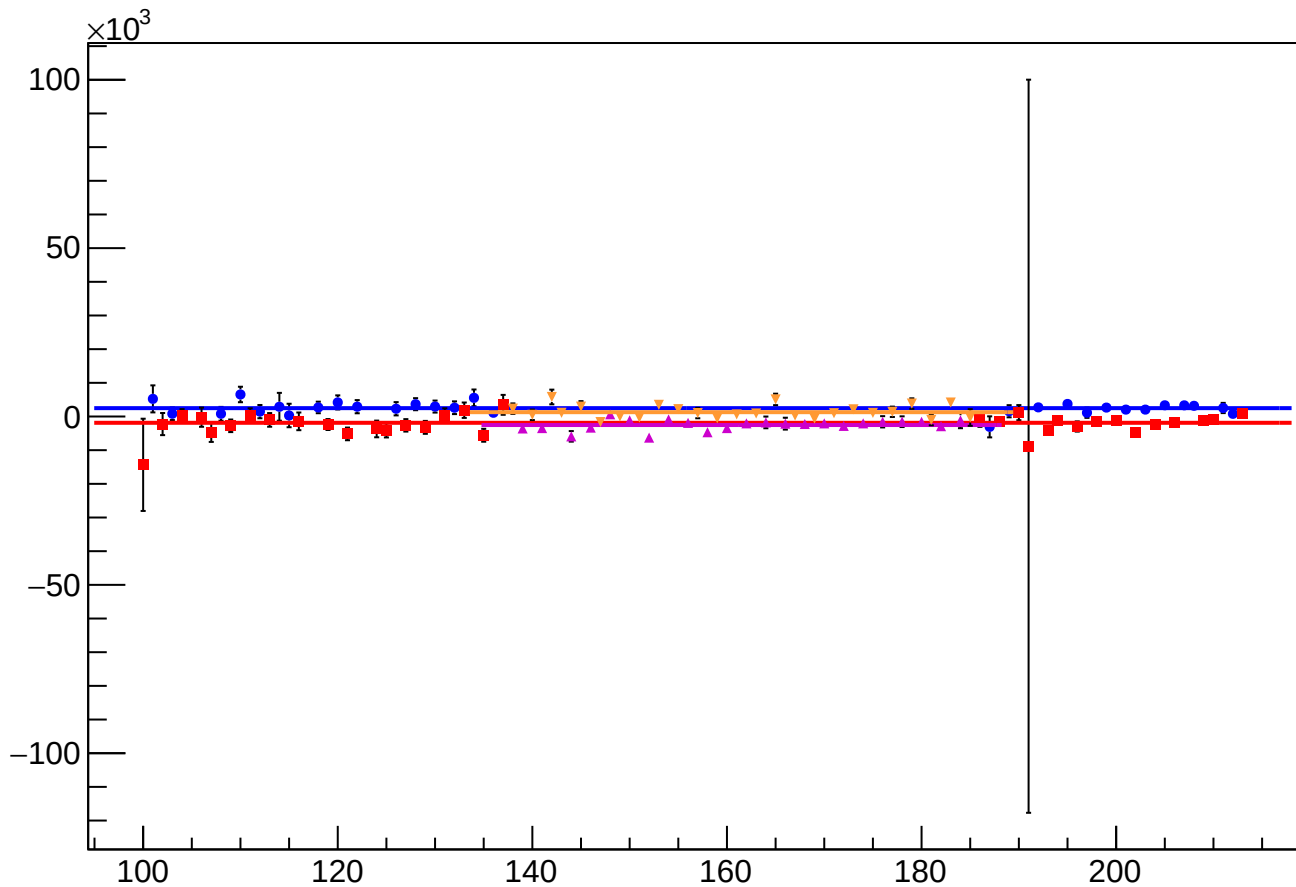
Left In: 5020.560+/-0.846 χ^2/NDF : 1225091.9/22

+ sign 4597.806+/-0.559 χ^2/NDF : 5196433.7/53

All: 4499.419+/-0.389 χ^2/NDF : 13434574.5/100

- sign 4406.936+/-0.542 χ^2/NDF : 8178114.9/56

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2482.849 ± 321.096 χ^2/NDF : 16.9/28

Left Out: 1284.416 ± 300.530 χ^2/NDF : 33.4/24

Right Out: -1868.936 ± 311.770 χ^2/NDF : 34.7/33

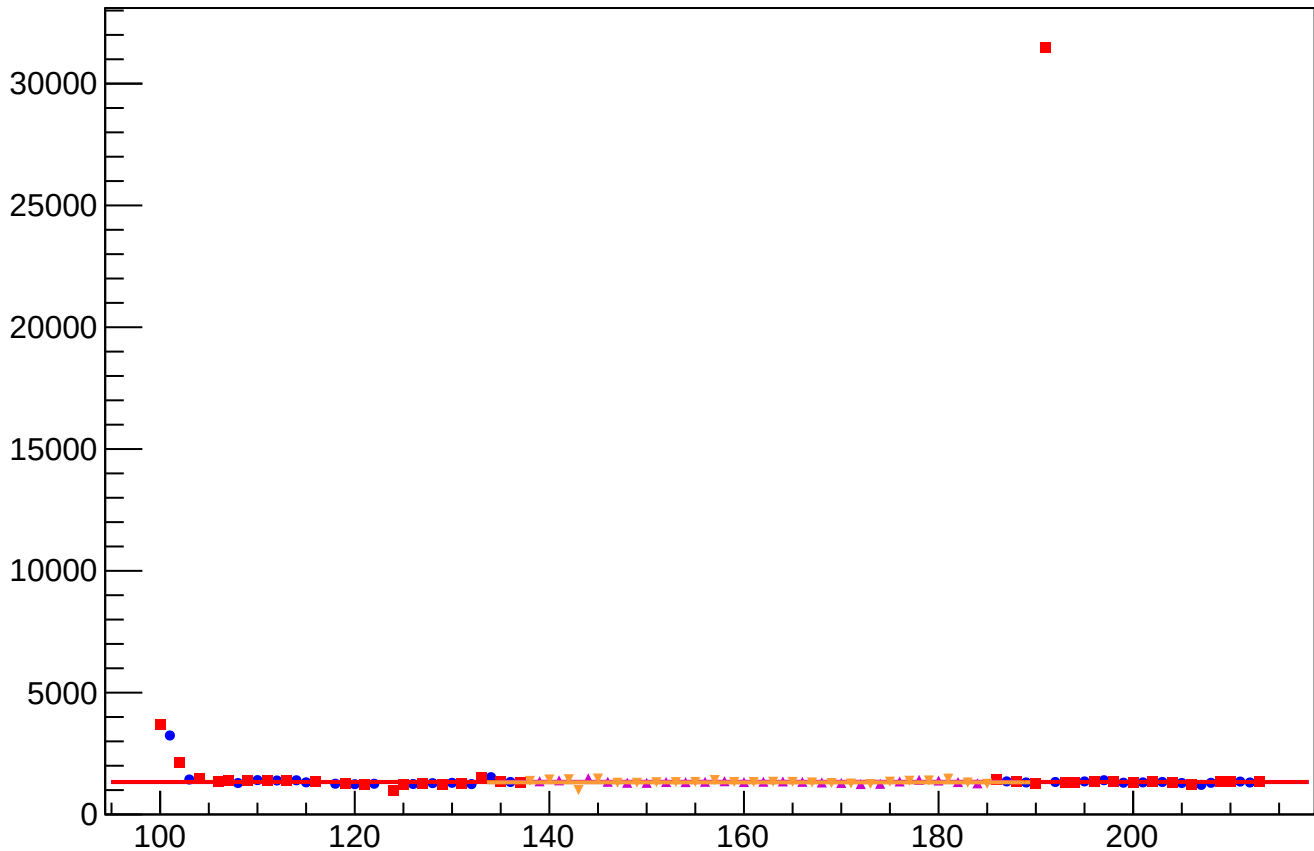
Left In: -2531.791 ± 312.887 χ^2/NDF : 25.0/22

+ sign 1844.027 ± 219.417 χ^2/NDF : 57.7/53

All: -164.432 ± 155.655 χ^2/NDF : 288.4/110

- sign -2199.178 ± 220.848 χ^2/NDF : 62.0/56

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.732 $\pm$ 0.227 χ^2 /NDF: 522838.5/28

Left Out: 1318.176 $\pm$ 0.213 χ^2 /NDF: 248550.2/24

Right Out: 1334.559 $\pm$ 0.220 χ^2 /NDF: 447784.2/33

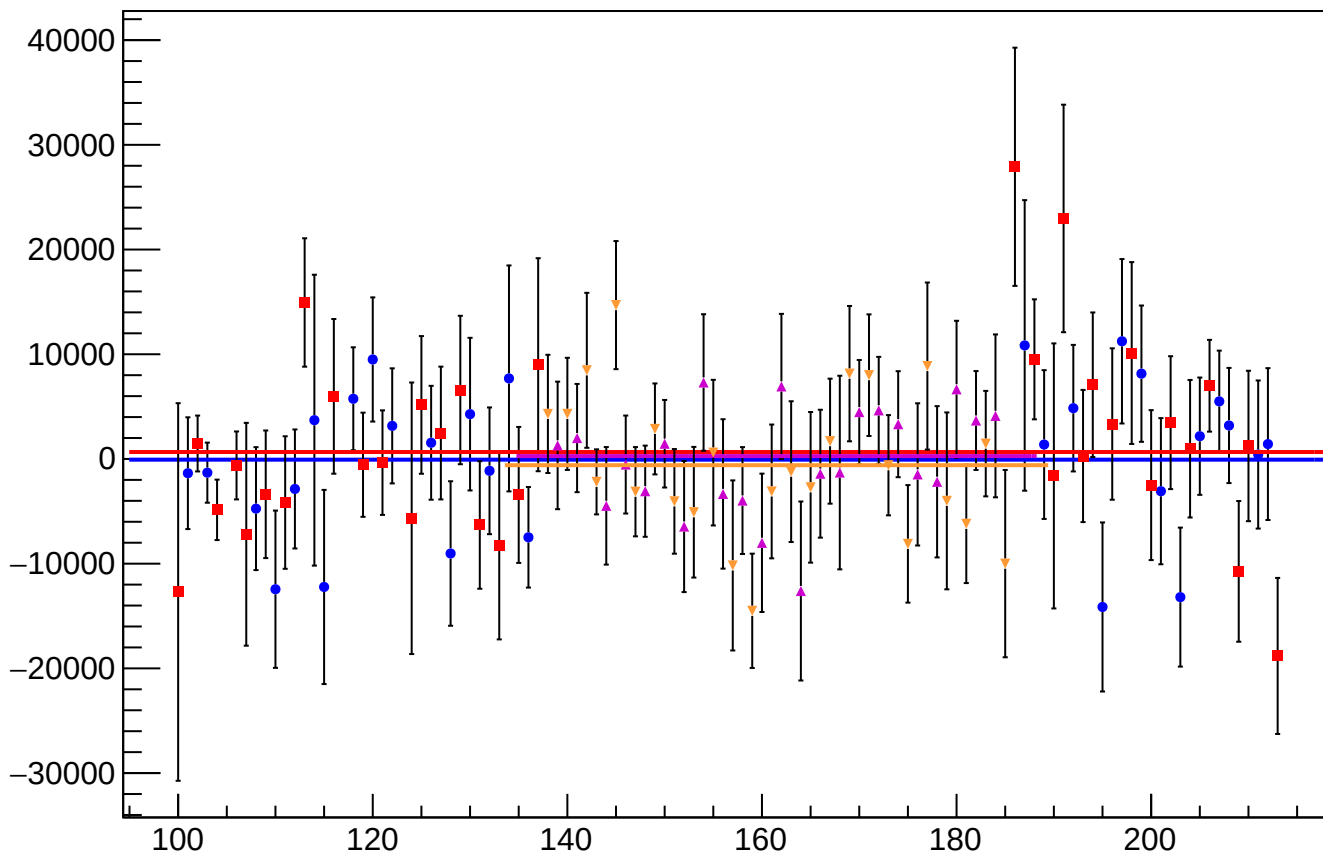
Left In: 1338.604 $\pm$ 0.221 χ^2 /NDF: 54251.0/22

+ sign 1323.572 $\pm$ 0.155 χ^2 /NDF: 772769.6/53

All: 1330.031 $\pm$ 0.110 χ^2 /NDF: 1278461.4/11

- sign 1336.573 $\pm$ 0.156 χ^2 /NDF: 502203.0/56

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -67.748 $\pm$ 1115.066 χ^2 /NDF: 29.0/28

Left Out: -594.920 $\pm$ 1122.288 χ^2 /NDF: 29.5/24

Right Out: 661.762 $\pm$ 998.957 χ^2 /NDF: 43.7/33

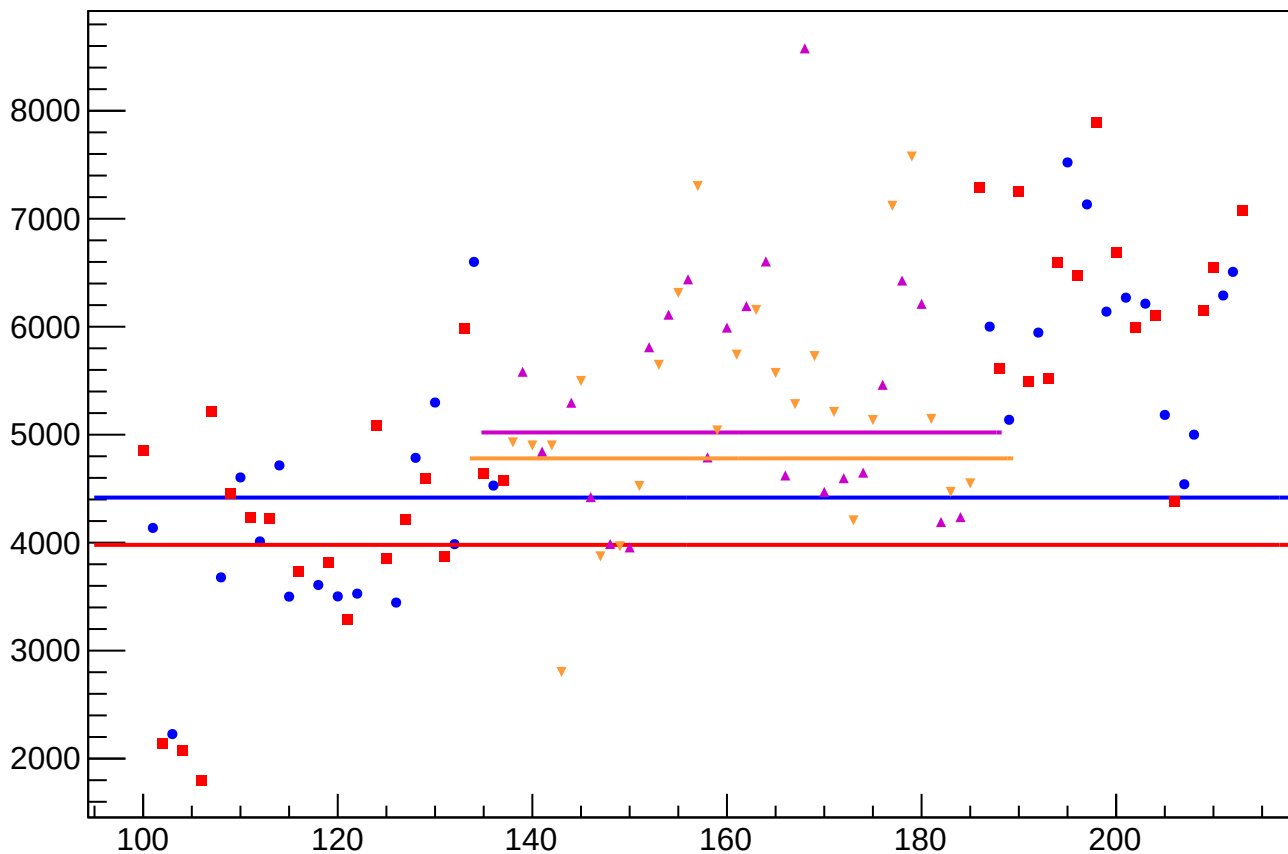
Left In: 272.917 $\pm$ 1196.806 χ^2 /NDF: 13.4/22

+ sign -329.632 $\pm$ 791.012 χ^2 /NDF: 58.7/53

All: 99.095 $\pm$ 550.611 χ^2 /NDF: 116.4/110

- sign 502.094 $\pm$ 766.910 χ^2 /NDF: 57.2/56

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4417.551 $\pm$ 0.788 χ^2 /NDF: 3085023.0/28

Left Out: 4780.404 $\pm$ 0.794 χ^2 /NDF:2006246.8/24

Right Out: 3979.413 $\pm$ 0.706 χ^2 /NDF: 6061006.1/33

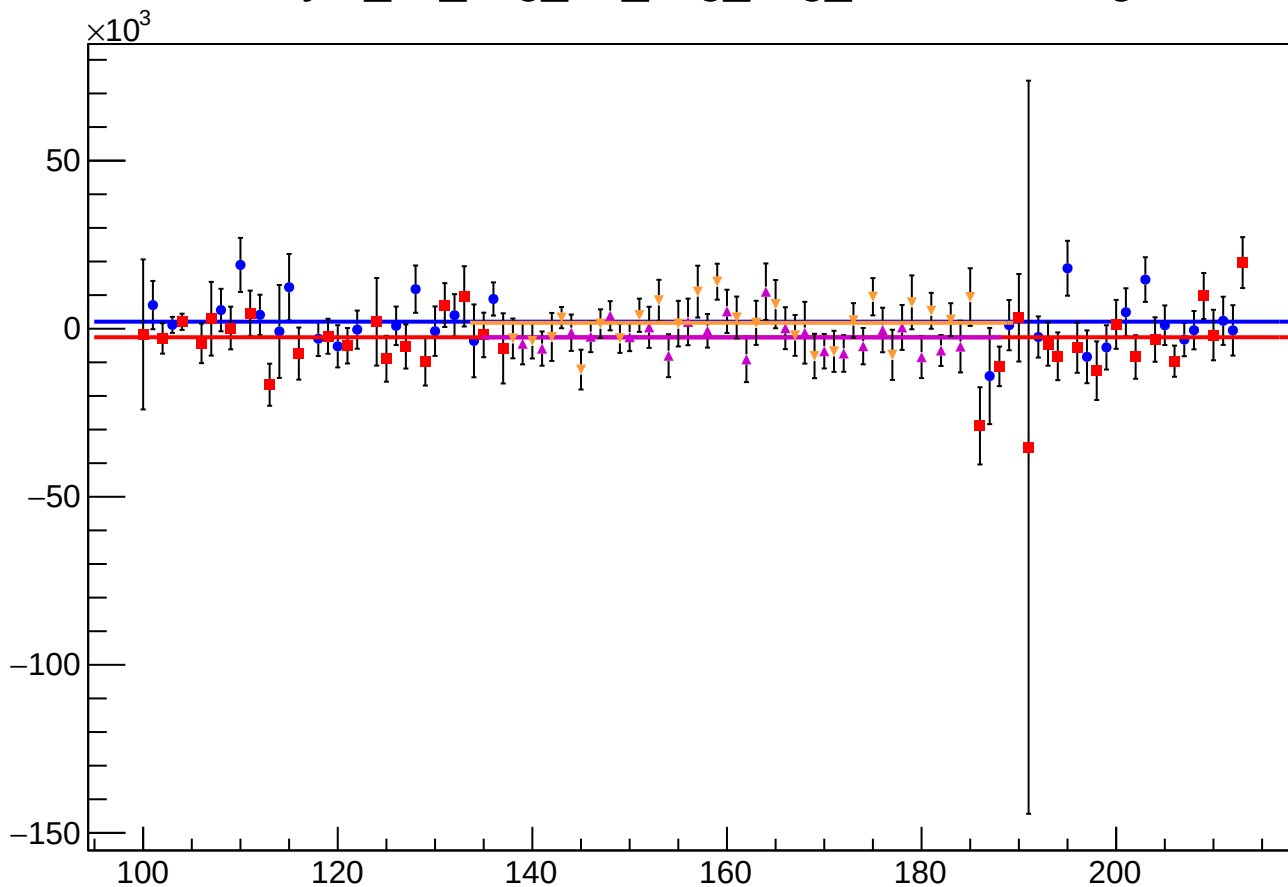
Left In: 5020.567 $\pm$ 0.846 χ^2 /NDF:1225095.5/22

+ sign 4597.806 $\pm$ 0.559 χ^2 /NDF: 5196476.9/53

All: 4499.417 $\pm$ 0.389 χ^2 /NDF: 13434693.6/1

- sign 4406.933 $\pm$ 0.542 χ^2 /NDF: 8178188.5/56

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2097.668+/-1116.793 χ^2/NDF : 27.4/28

Left Out: 1761.683+/-1116.232 χ^2/NDF : 27.7/24

Right Out: -2535.296+/-1087.434 χ^2/NDF : 42.5/33

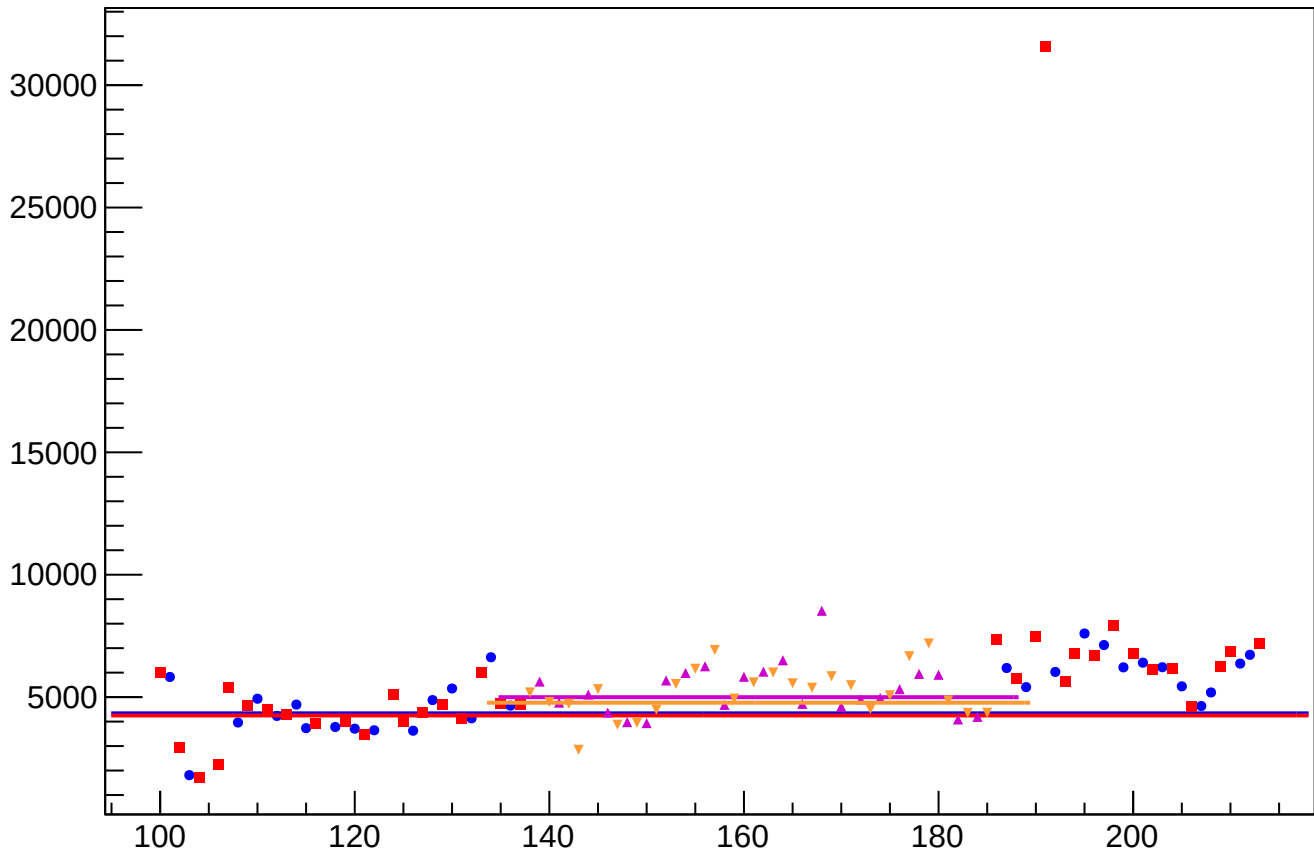
Left In: -2579.960+/-1188.448 χ^2/NDF : 13.3/22

+ sign 1929.591+/-789.494 χ^2/NDF : 55.1/53

All: -277.029+/-562.719 χ^2/NDF : 126.8/110

- sign -2555.649+/-802.271 χ^2/NDF : 55.8/56

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4336.604+/-0.790 χ^2/NDF : 4393967.4/28

Left Out: 4771.181+/-0.789 χ^2/NDF :1787082.6/24

Right Out: 4251.160+/-0.762 χ^2/NDF : 5704321.8/33

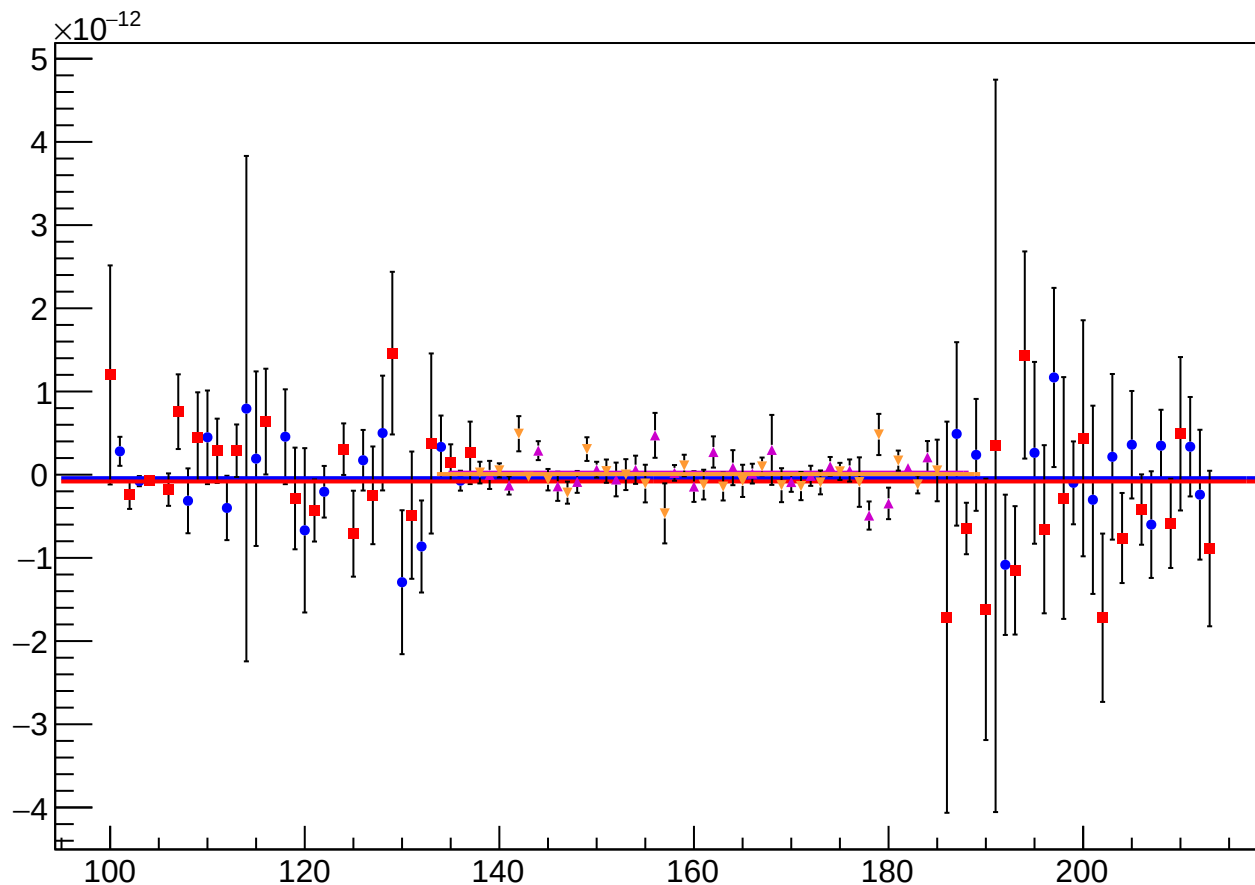
Left In: 4996.720+/-0.840 χ^2/NDF :1095876.8/22

+ sign 4554.000+/-0.558 χ^2/NDF : 6332548.5/53

All: 4570.582+/-0.397 χ^2/NDF : 13566521.2/100

- sign 4587.534+/-0.564 χ^2/NDF : 7232188.5/56

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.6/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.6/33

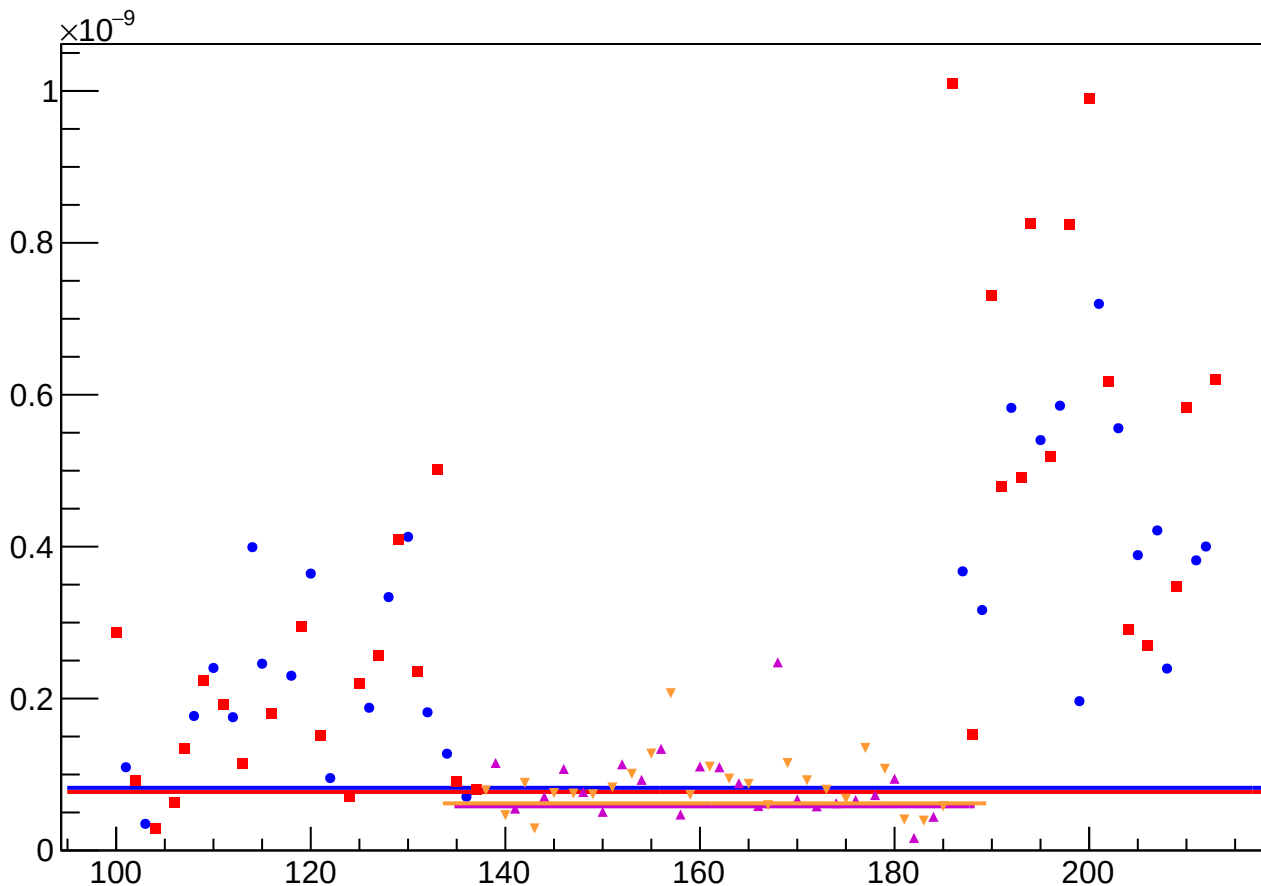
Left In: 0.000 ± 0.000 χ^2/NDF : 31.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 47.5/53

All: -0.000 ± 0.000 χ^2/NDF : 117.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 70.3/56

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8021157.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10082484.4/33

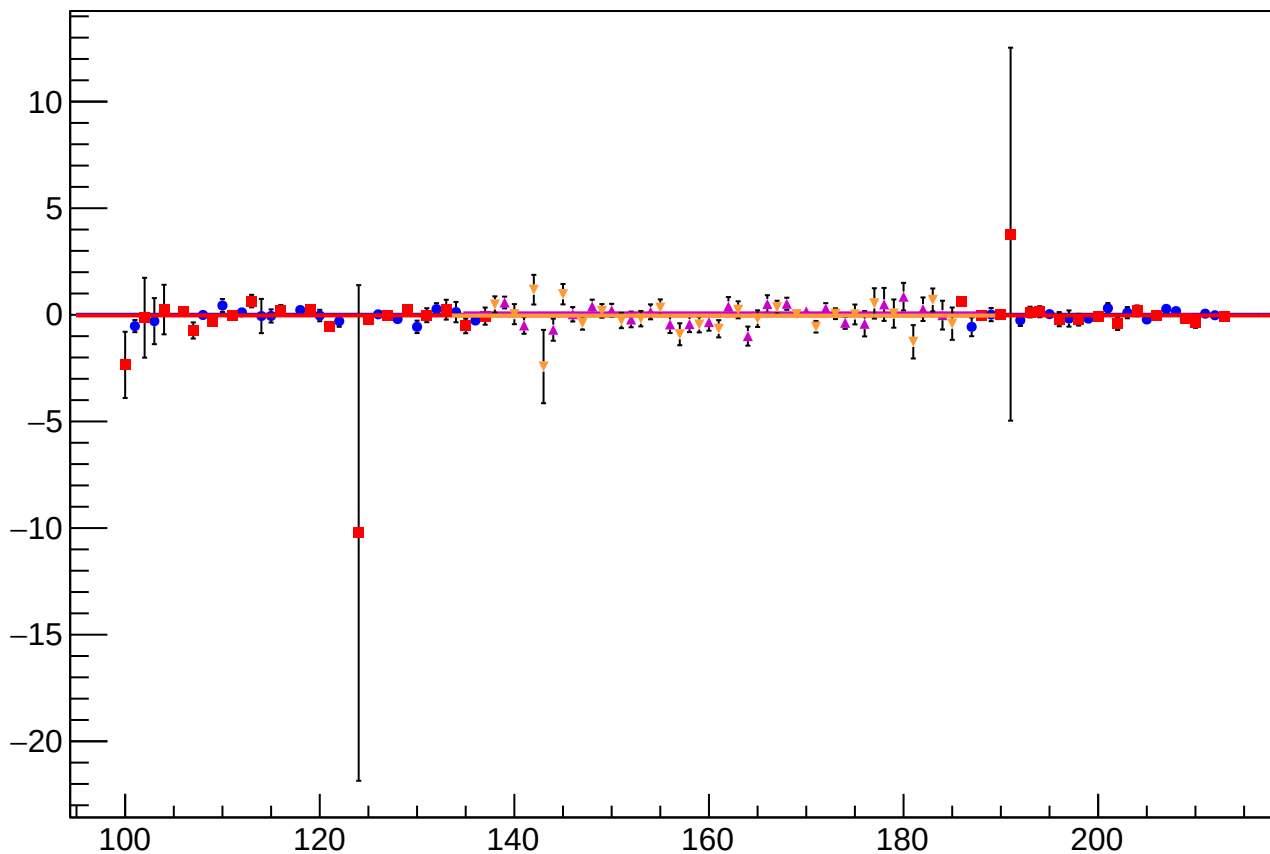
Left In: 0.000+/-0.000 χ^2/NDF : 2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10753805.4/53

All: 0.000+/-0.000 χ^2/NDF : 24090120.6/110

- sign 0.000+/-0.000 χ^2/NDF : 13304965.3/56

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.044 χ^2/NDF : 27.6/28

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.027 ± 0.041 χ^2/NDF : 43.0/33

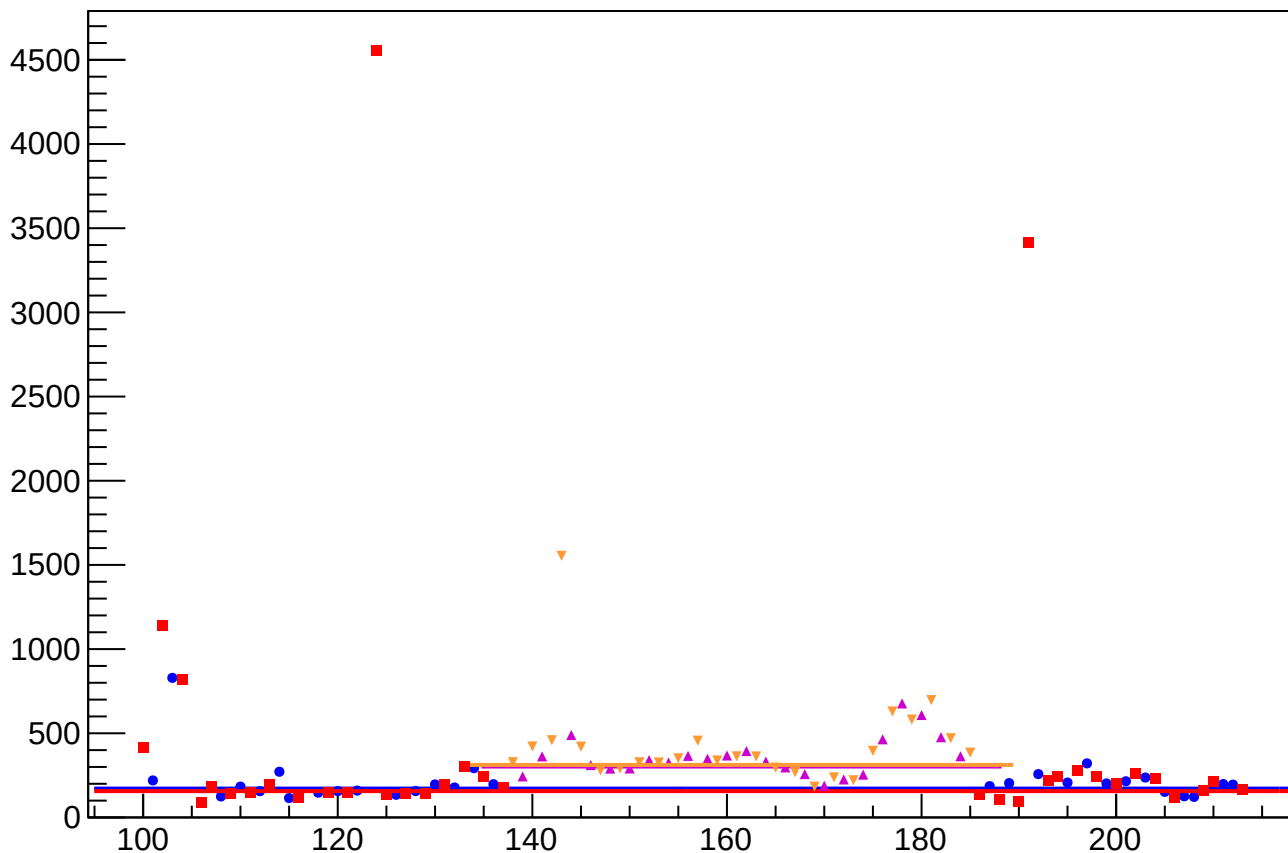
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.006 ± 0.038 χ^2/NDF : 60.3/53

All: -0.006 ± 0.026 χ^2/NDF : 134.5/110

- sign -0.005 ± 0.036 χ^2/NDF : 74.2/56

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 171.453+/-0.031 χ^2/NDF : 2657159.9/28

Left Out: 311.961+/-0.054 χ^2/NDF : 4350162.2/24

Right Out: 156.246+/-0.029 χ^2/NDF : 4888974.1/33

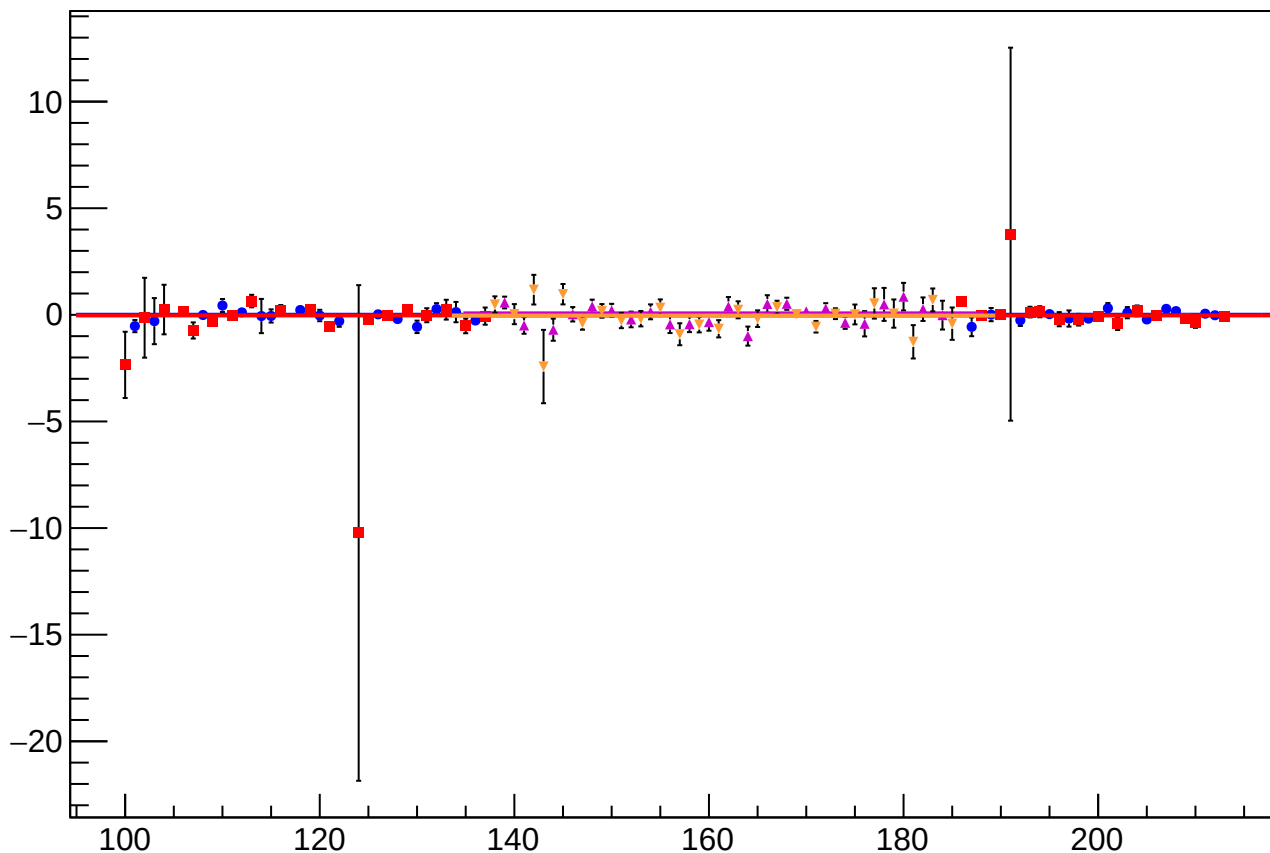
Left In: 302.375+/-0.053 χ^2/NDF : 2808730.8/22

+ sign 206.821+/-0.027 χ^2/NDF : 12033068.4/53

All: 197.408+/-0.018 χ^2/NDF : 25843207.9/11

- sign 189.330+/-0.025 χ^2/NDF : 13587603.6/56

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.044 χ^2/NDF : 27.6/28

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.027 ± 0.041 χ^2/NDF : 43.0/33

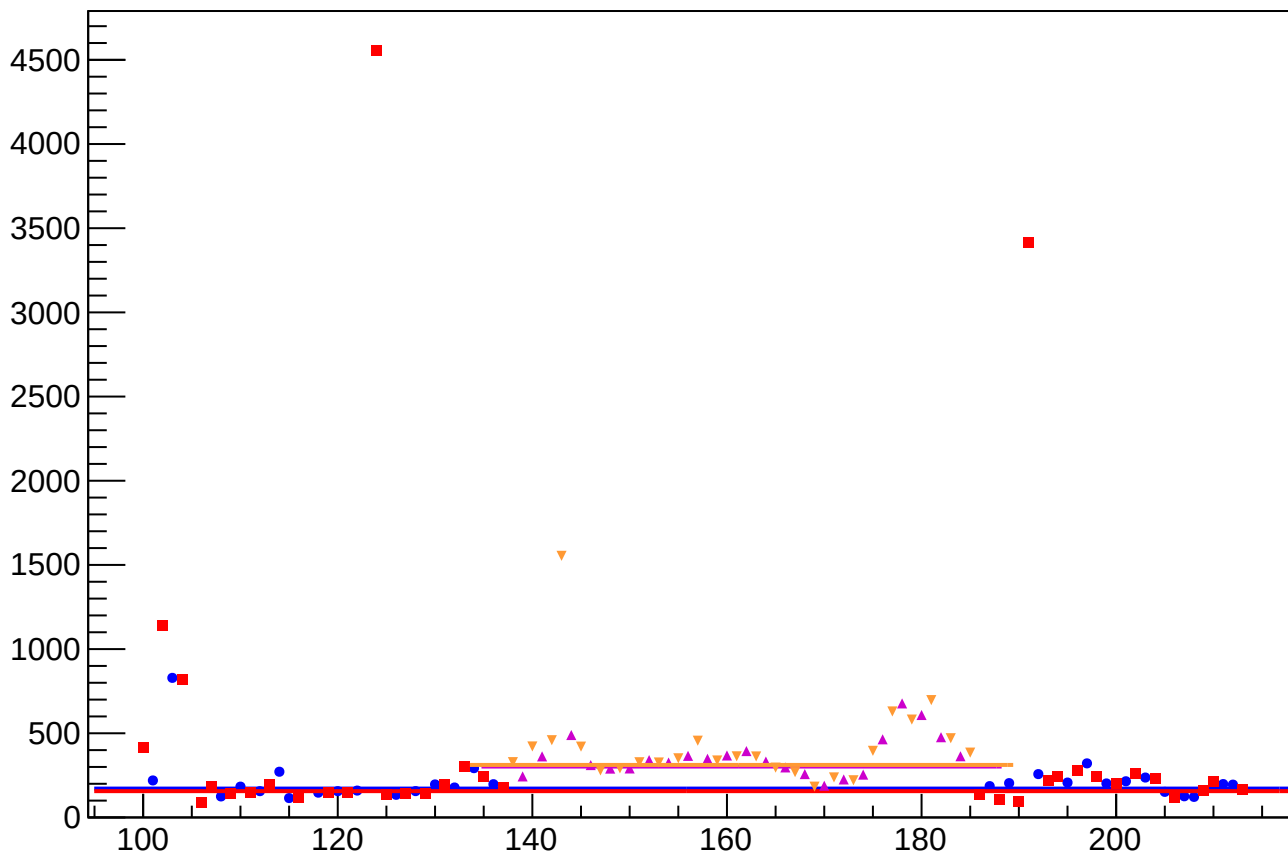
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.006 ± 0.038 χ^2/NDF : 60.3/53

All: -0.006 ± 0.026 χ^2/NDF : 134.5/110

- sign -0.005 ± 0.036 χ^2/NDF : 74.2/56

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 171.453+/-0.031 χ^2/NDF : 2657159.9/28

Left Out: 311.961+/-0.054 χ^2/NDF : 4350162.2/24

Right Out: 156.246+/-0.029 χ^2/NDF : 4888974.1/33

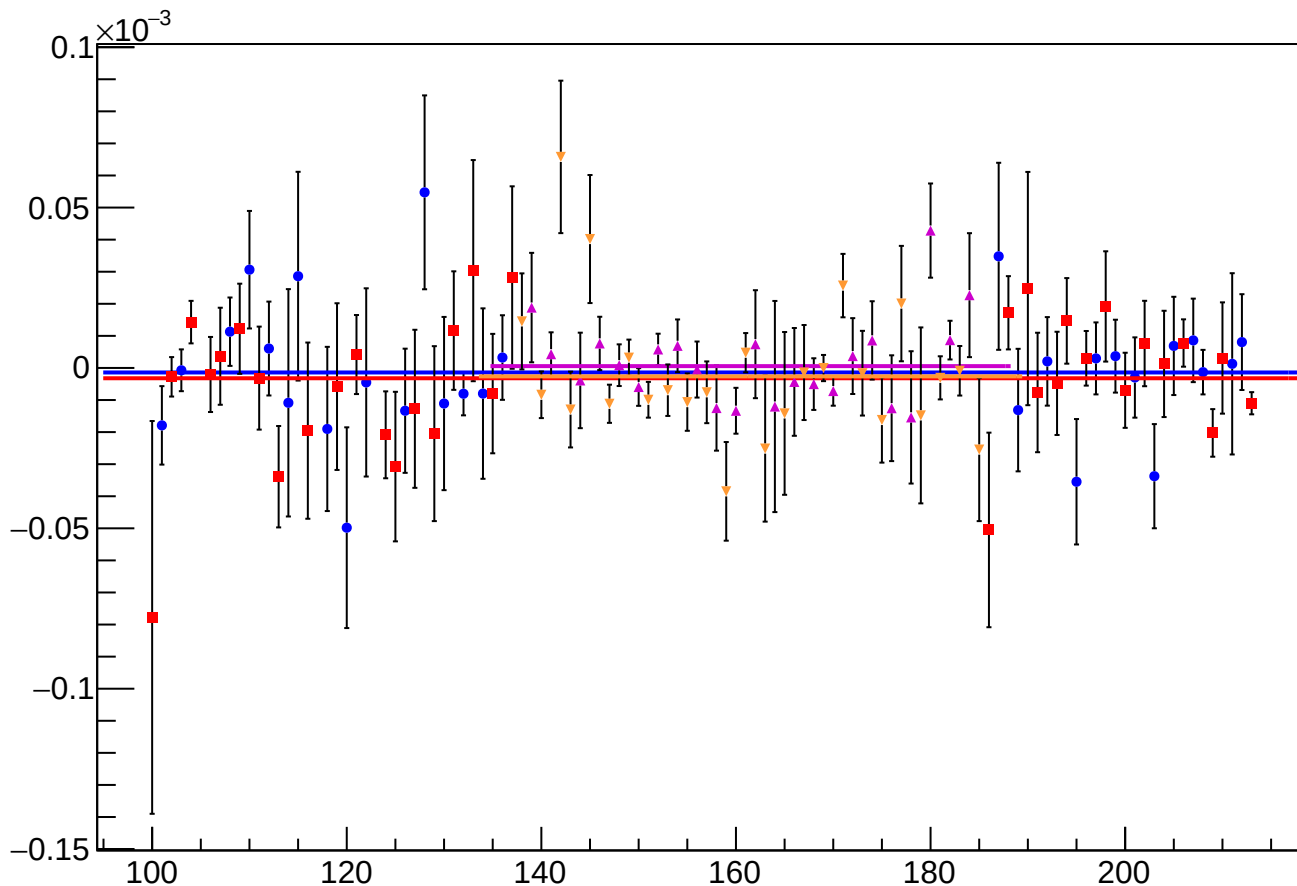
Left In: 302.375+/-0.053 χ^2/NDF : 2808730.8/22

+ sign 206.821+/-0.027 χ^2/NDF : 12033068.4/53

All: 197.408+/-0.018 χ^2/NDF : 25843207.9/11

- sign 189.330+/-0.025 χ^2/NDF : 13587603.6/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.7/33

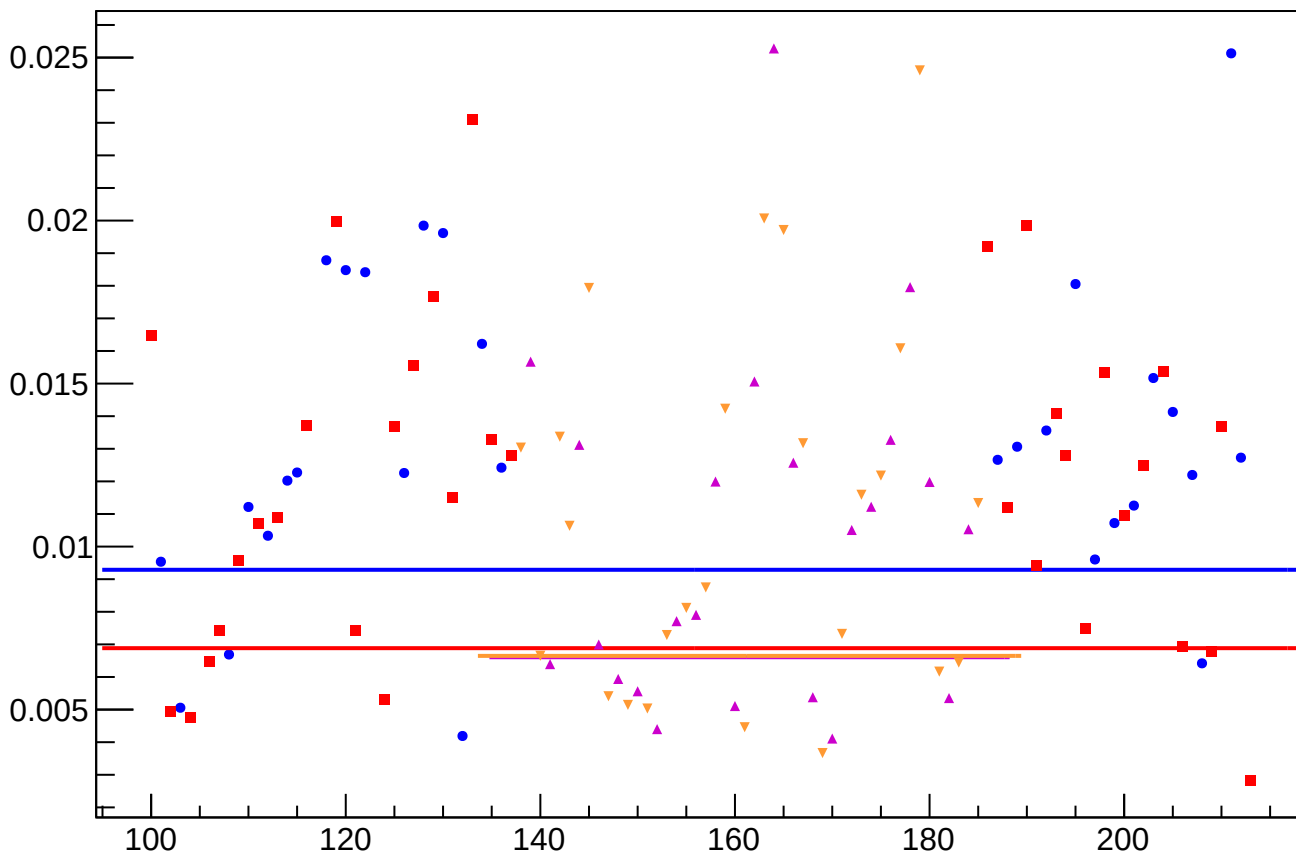
Left In: 0.000 ± 0.000 χ^2/NDF : 26.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.7/53

All: -0.000 ± 0.000 χ^2/NDF : 142.7/110

- sign -0.000 ± 0.000 χ^2/NDF : 73.7/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 6064129.2/28

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7513935.6/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 9444282.8/33

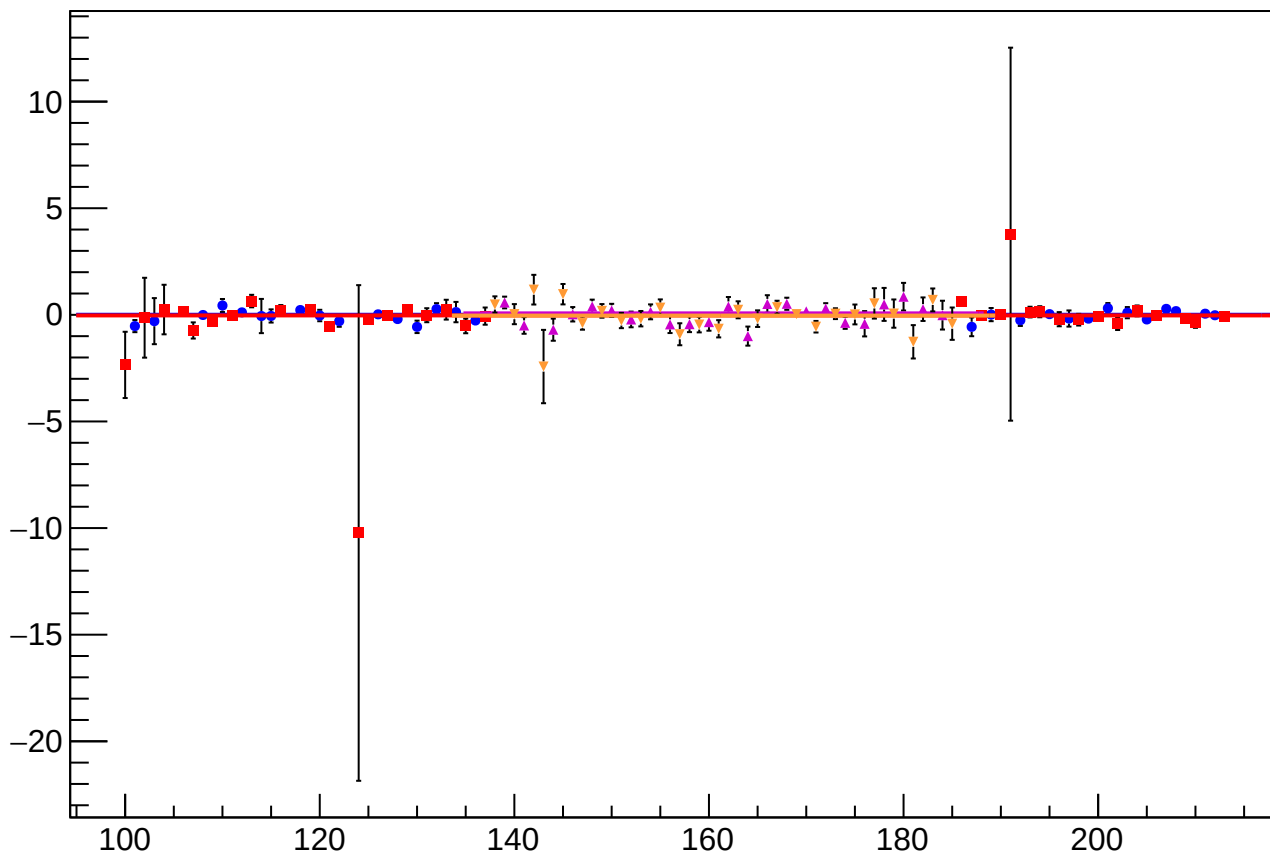
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5855747.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 15088209.2/53

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 30734509.1/110

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 15323075.5/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.044 χ^2/NDF : 27.6/28

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: -0.027 ± 0.041 χ^2/NDF : 43.0/33

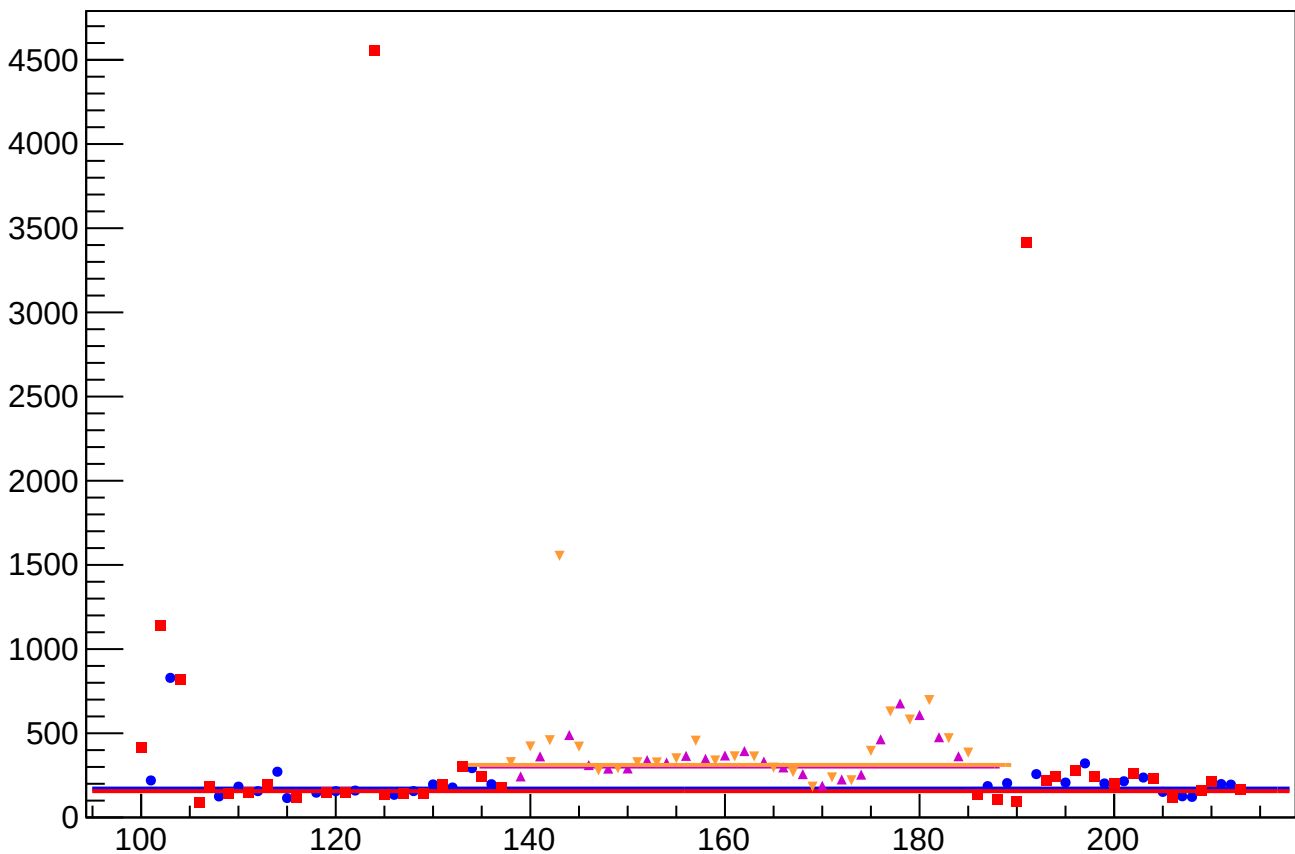
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.006 ± 0.038 χ^2/NDF : 60.3/53

All: -0.006 ± 0.026 χ^2/NDF : 134.5/110

- sign -0.005 ± 0.036 χ^2/NDF : 74.2/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 171.452+/-0.031 χ^2/NDF : 2657230.3/28

Left Out: 311.961+/-0.054 χ^2/NDF : 4350376.6/24

Right Out: 156.243+/-0.029 χ^2/NDF : 4889194.2/33

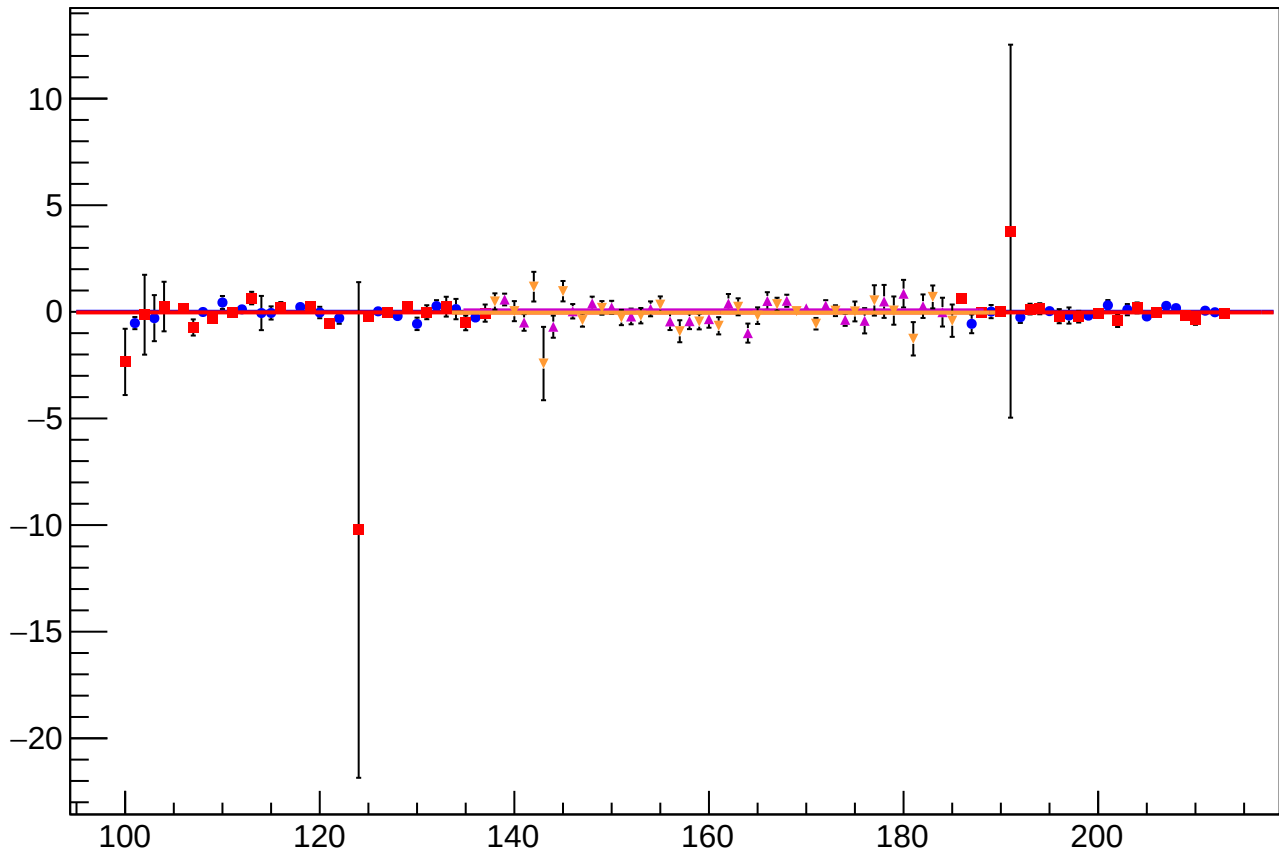
Left In: 302.377+/-0.053 χ^2/NDF : 2808874.8/22

+ sign 206.820+/-0.027 χ^2/NDF : 12033428.6/53

All: 197.406+/-0.018 χ^2/NDF : 25844308.5/11

- sign 189.327+/-0.025 χ^2/NDF : 13588294.0/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.044 χ^2 /NDF: 27.6/28

Left Out: -0.035 $\pm$ 0.077 χ^2 /NDF:32.5/24

Right Out: -0.027 $\pm$ 0.041 χ^2 /NDF: 43.0/33

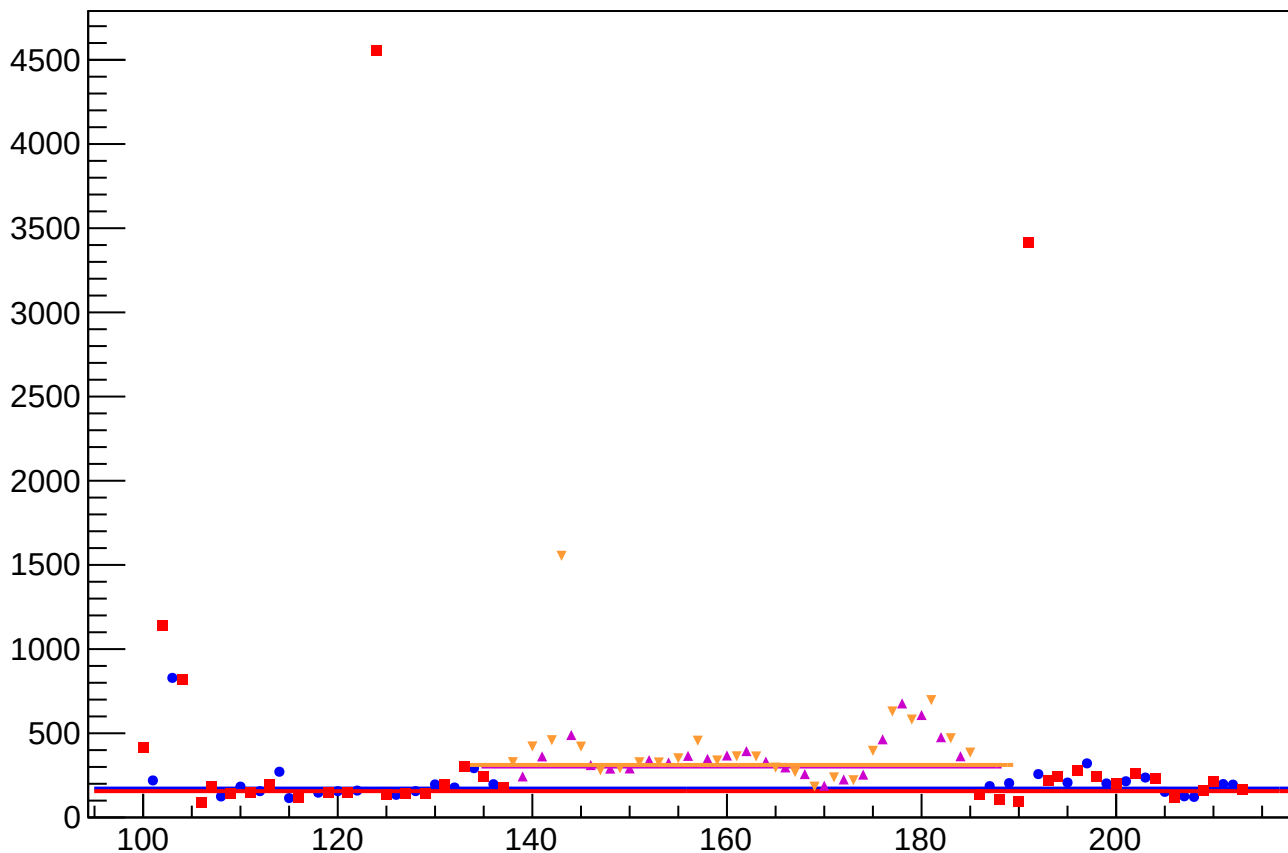
Left In: 0.069 $\pm$ 0.075 χ^2 /NDF:29.9/22

+ sign -0.006 $\pm$ 0.038 χ^2 /NDF: 60.3/53

All: -0.006 $\pm$ 0.026 χ^2 /NDF: 134.5/110

- sign -0.005 $\pm$ 0.036 χ^2 /NDF: 74.2/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 171.452+/-0.031 χ^2/NDF : 2657230.3/28

Left Out: 311.961+/-0.054 χ^2/NDF : 4350376.6/24

Right Out: 156.243+/-0.029 χ^2/NDF : 4889194.2/33

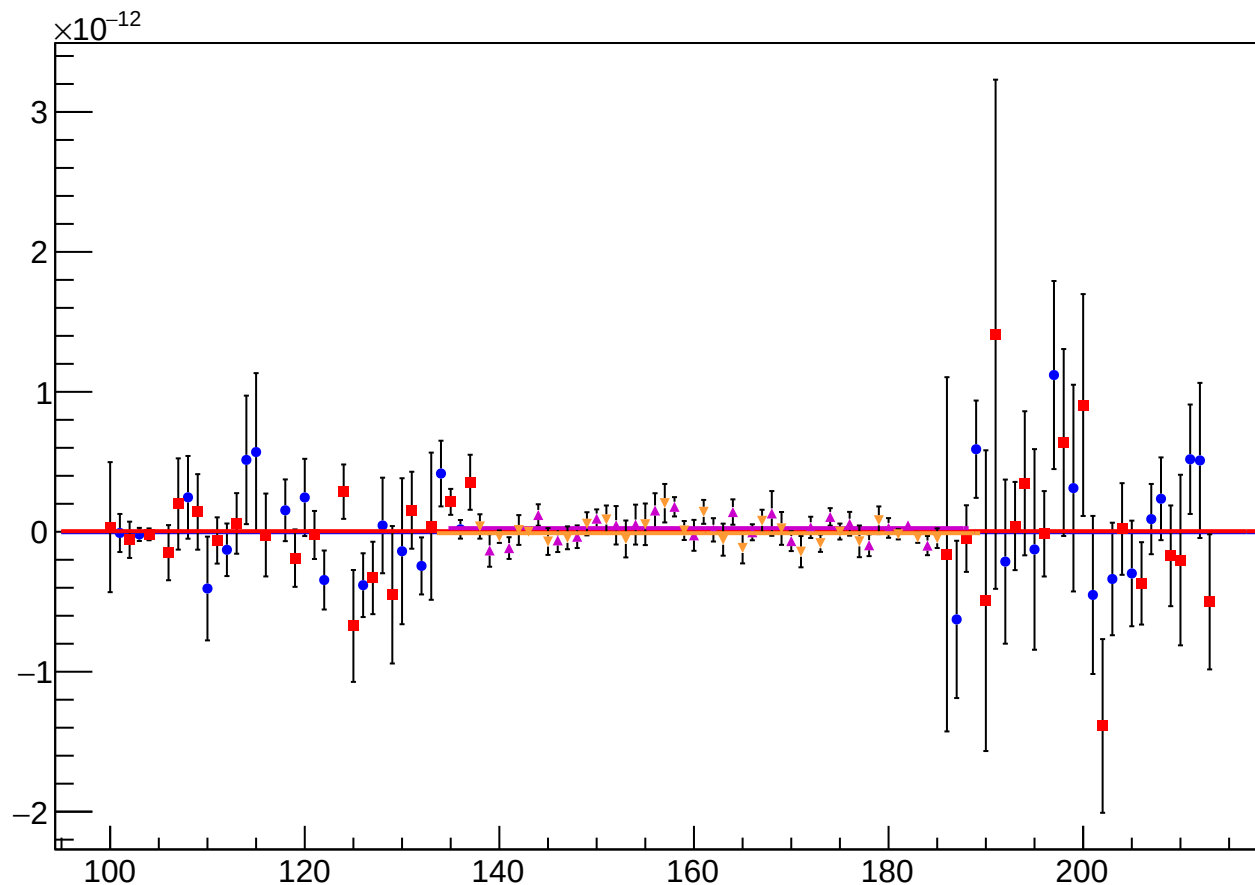
Left In: 302.377+/-0.053 χ^2/NDF : 2808874.8/22

+ sign 206.820+/-0.027 χ^2/NDF : 12033428.6/53

All: 197.406+/-0.018 χ^2/NDF : 25844308.5/11

- sign 189.327+/-0.025 χ^2/NDF : 13588294.0/56

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.9/28

Left Out: -0.000+/-0.000 χ^2/NDF : 16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 30.6/33

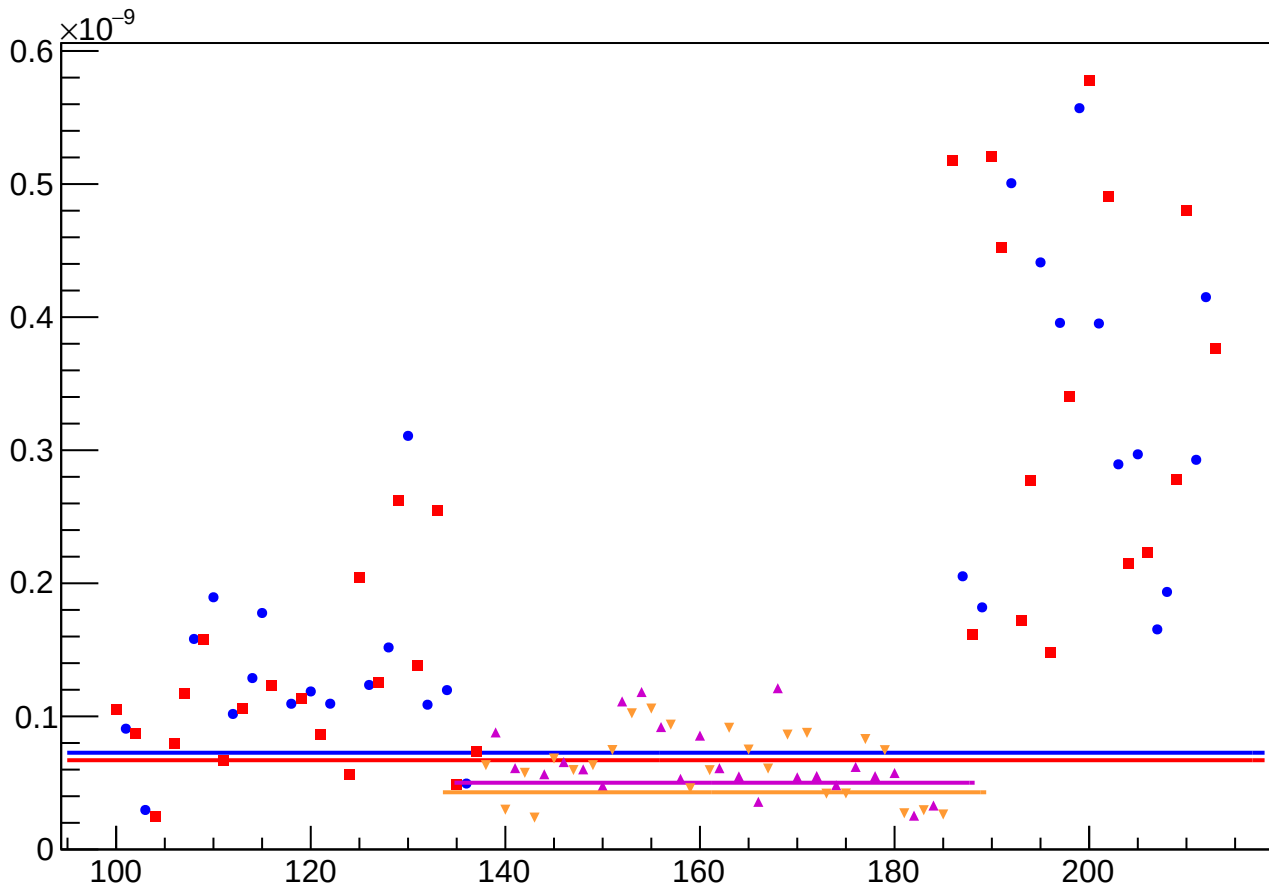
Left In: 0.000+/-0.000 χ^2/NDF : 27.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 45.1/53

All: 0.000+/-0.000 χ^2/NDF : 106.4/110

- sign 0.000+/-0.000 χ^2/NDF : 58.6/56

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 10589954.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5074676.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10939604.6/33

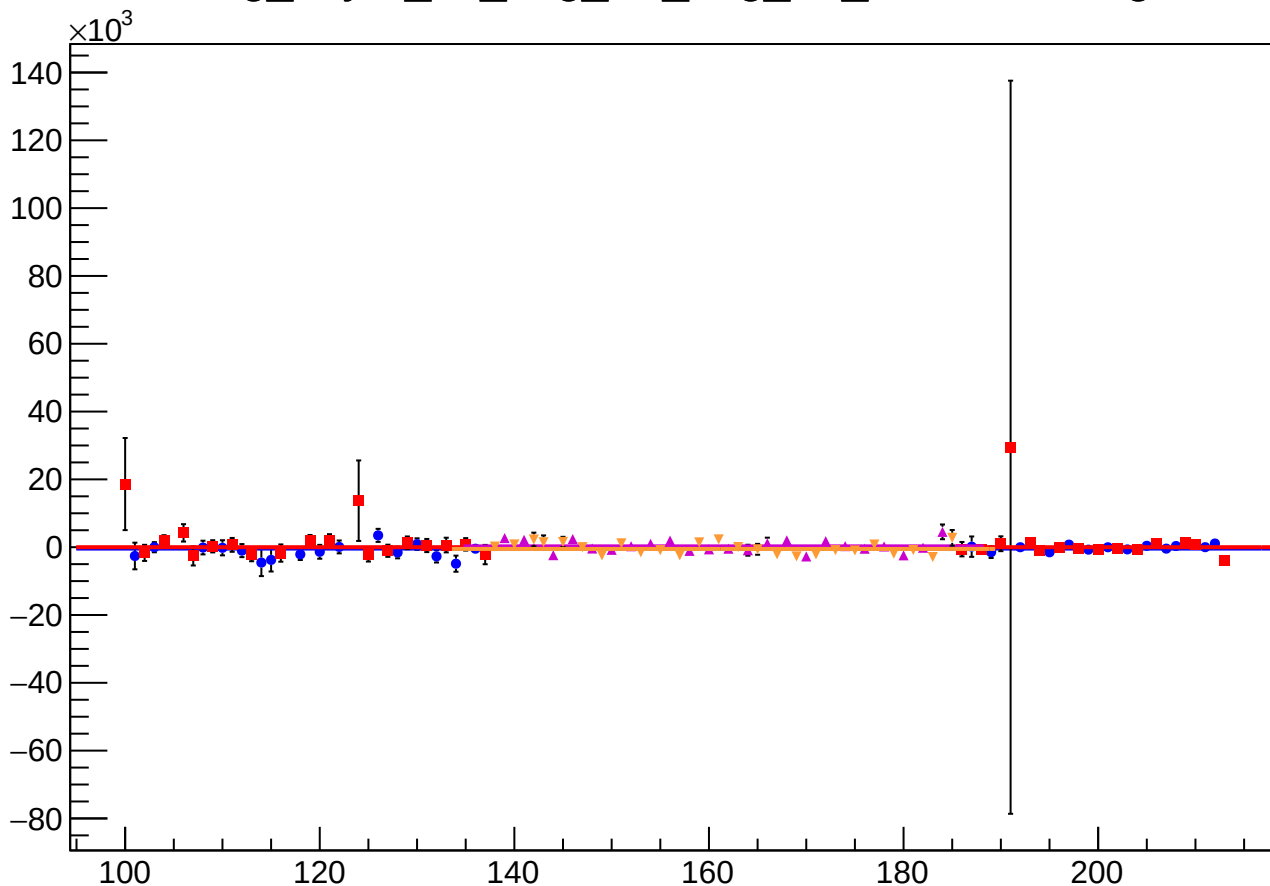
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 3611362.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 17156275.8/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 32424510.0/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15050730.5/56

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -408.326+/-307.189 χ^2/NDF : 17.9/28

Left Out: -514.484+/-285.945 χ^2/NDF : 30.9/24

Right Out: -4.501+/-299.265 χ^2/NDF : 29.8/33

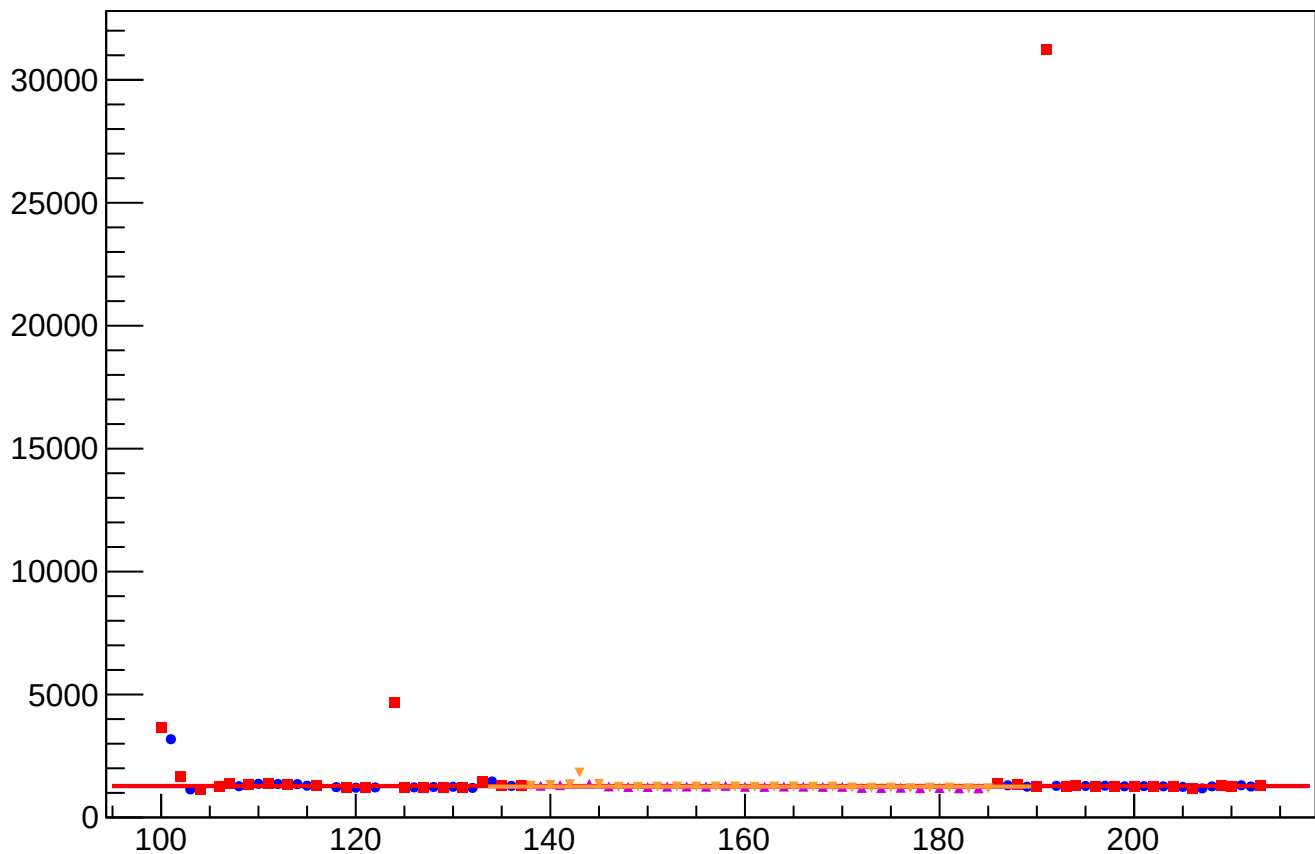
Left In: 242.686+/-291.166 χ^2/NDF : 32.0/22

+ sign -465.203+/-209.301 χ^2/NDF : 48.9/53

All: -170.501+/-147.782 χ^2/NDF : 115.1/110

- sign 122.482+/-208.690 χ^2/NDF : 62.2/56

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533683.3/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.1/24

Right Out: 1283.846 $\pm$ 0.212 χ^2 /NDF: 507659.6/33

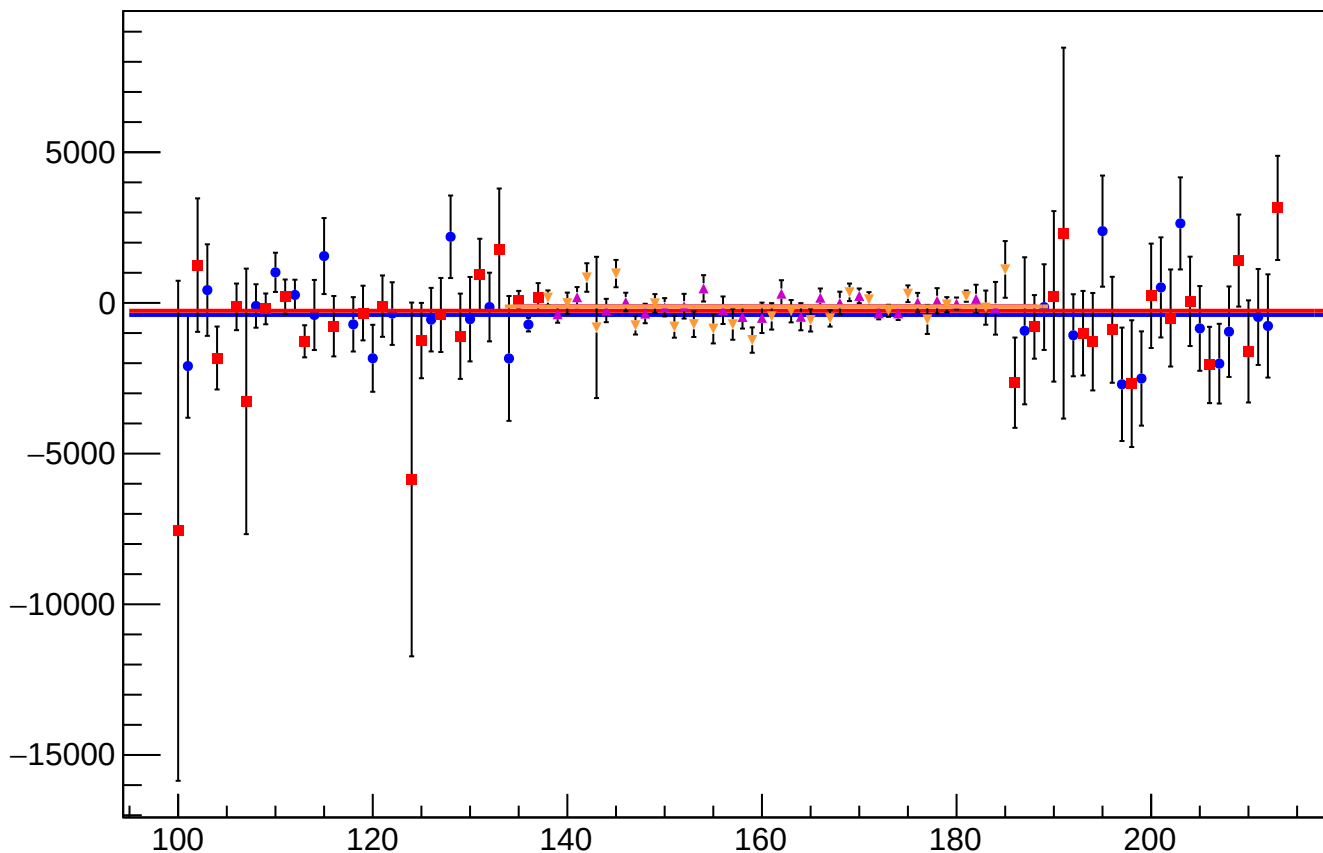
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740061.4/53

All: 1263.981 $\pm$ 0.104 χ^2 /NDF: 1303736.9/11

- sign 1264.586 $\pm$ 0.148 χ^2 /NDF: 563641.8/56

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -398.755 ± 156.979 χ^2/NDF : 30.1/28

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -259.769 ± 156.900 χ^2/NDF : 27.8/33

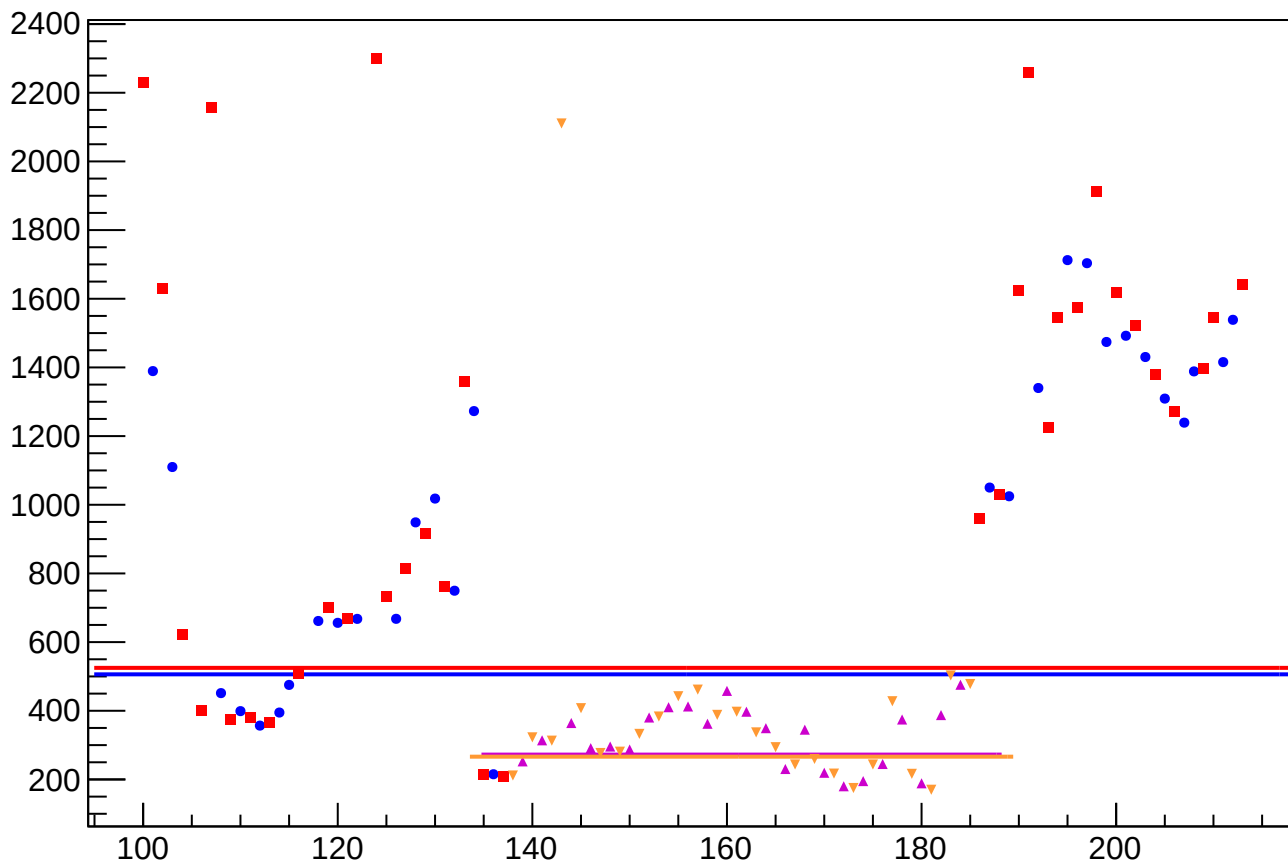
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -158.325 ± 60.102 χ^2/NDF : 81.3/53

All: -144.930 ± 43.024 χ^2/NDF : 123.8/110

- sign -130.850 ± 61.618 χ^2/NDF : 42.4/56

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 506.128+/-0.111 χ^2/NDF : 13693365.2/28

Left Out: 266.321+/-0.046 χ^2/NDF : 4630130.4/24

Right Out: 525.002+/-0.111 χ^2/NDF : 14551589.6/33

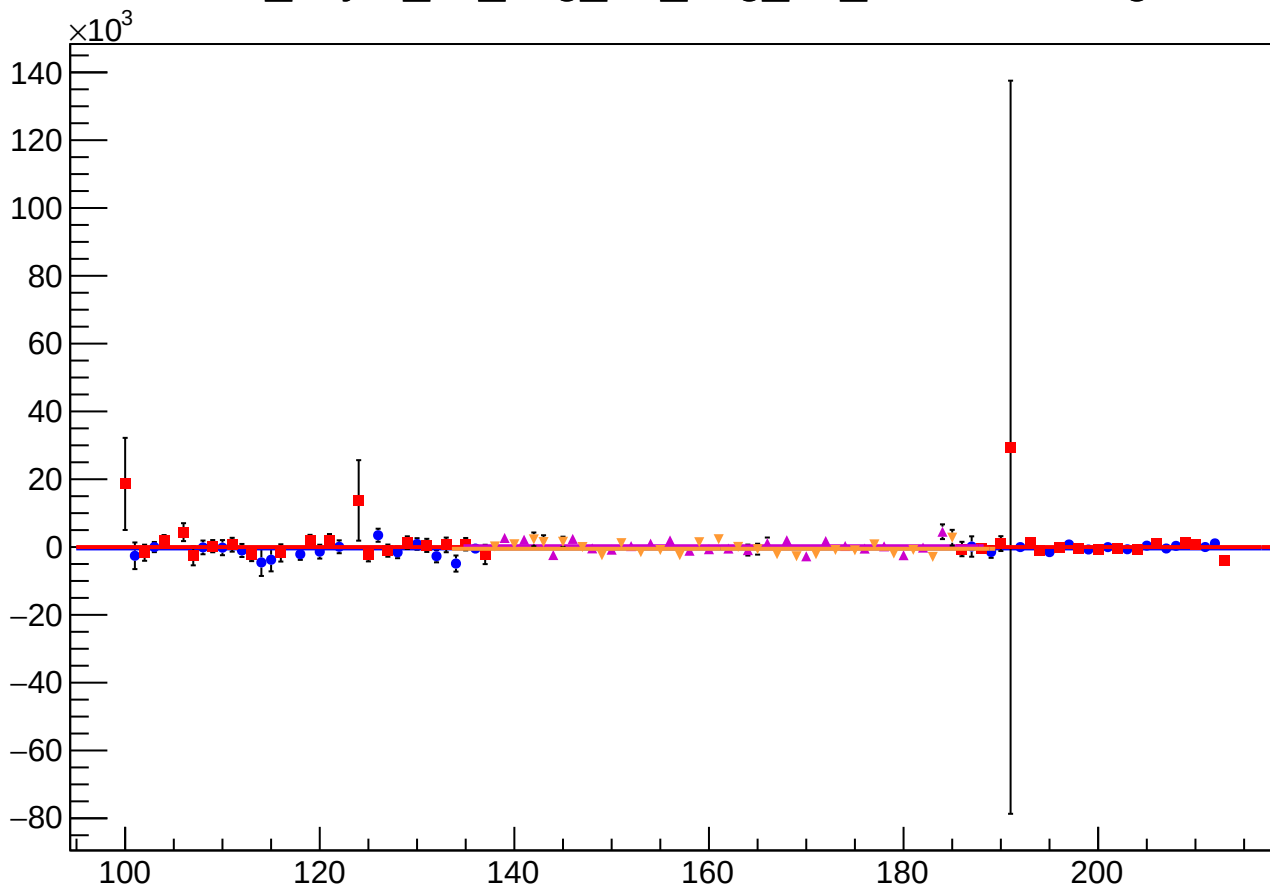
Left In: 272.368+/-0.047 χ^2/NDF : 2887823.5/22

+ sign 301.473+/-0.042 χ^2/NDF : 22306695.5/53

All: 306.279+/-0.030 χ^2/NDF : 44157834.7/11

- sign 311.331+/-0.044 χ^2/NDF : 21824904.6/56

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -408.178+/-307.189 χ^2/NDF : 17.9/28

Left Out: -514.430+/-285.945 χ^2/NDF : 30.9/24

Right Out: -5.775+/-299.387 χ^2/NDF : 29.8/33

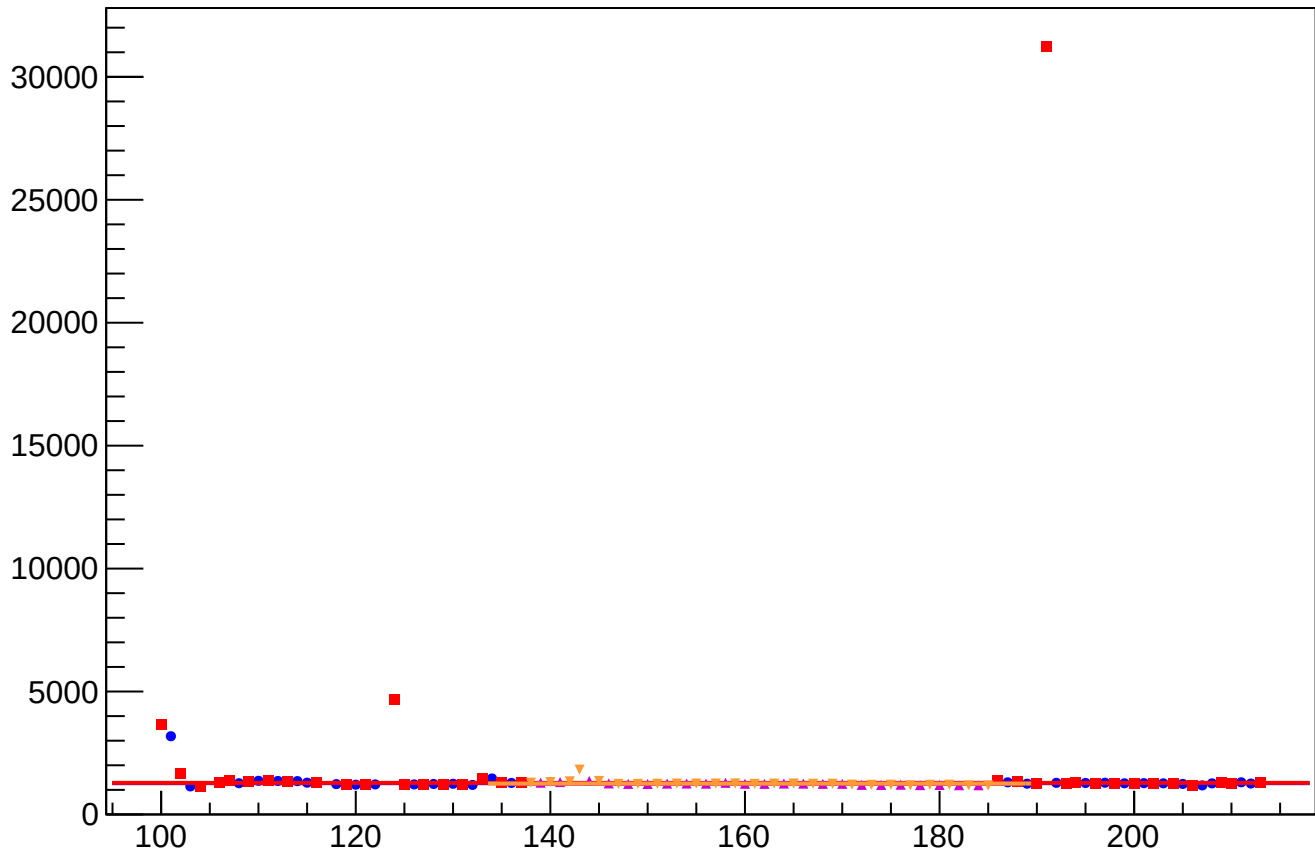
Left In: 242.663+/-291.166 χ^2/NDF : 32.0/22

+ sign -465.105+/-209.301 χ^2/NDF : 48.9/53

All: -170.802+/-147.796 χ^2/NDF : 115.1/110

- sign 121.901+/-208.731 χ^2/NDF : 62.2/56

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533684.7/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.0/24

Right Out: 1284.386 $\pm$ 0.212 χ^2 /NDF: 507636.9/33

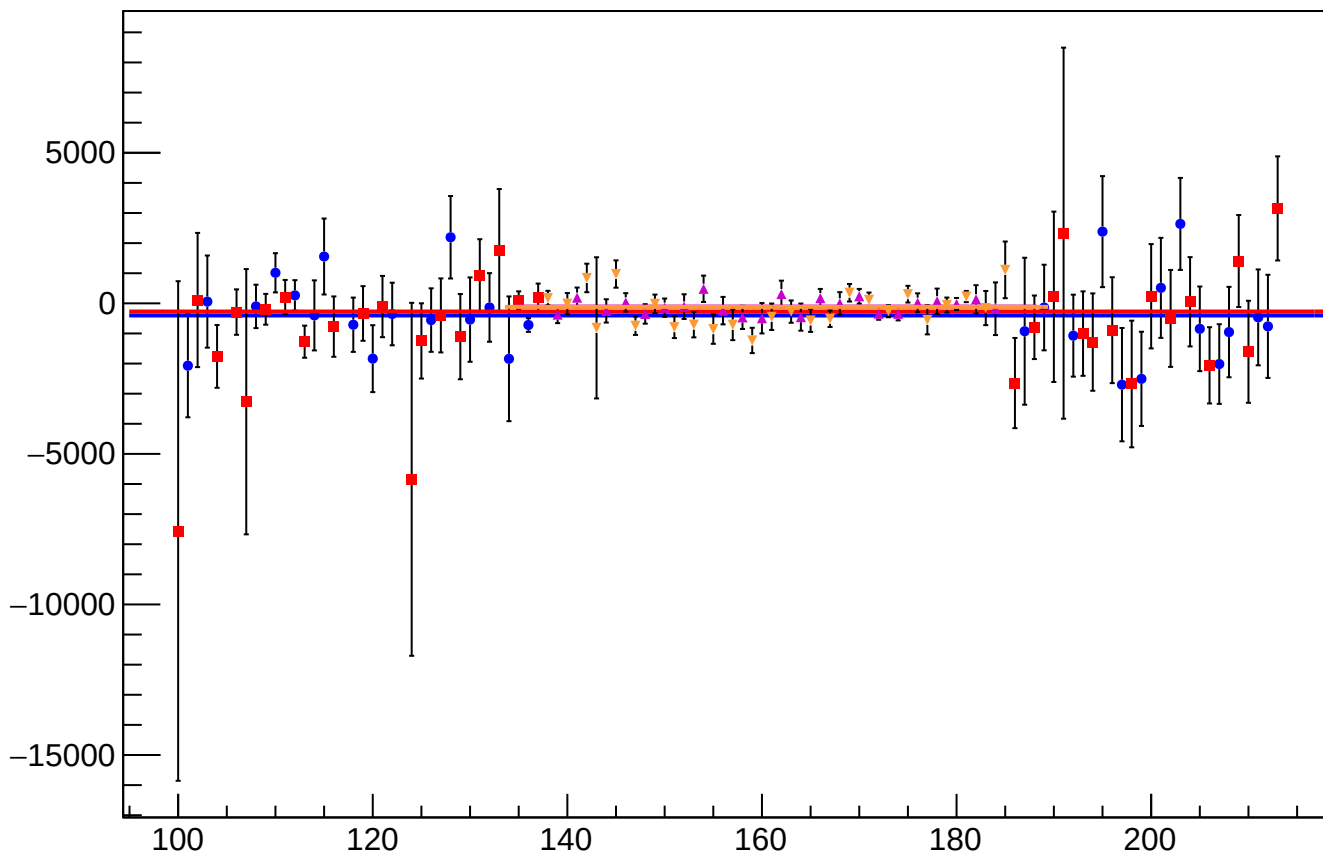
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740062.7/53

All: 1264.109 $\pm$ 0.105 χ^2 /NDF: 1304192.0/11

- sign 1264.841 $\pm$ 0.148 χ^2 /NDF: 564079.9/56

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -402.644 ± 156.995 χ^2/NDF : 29.9/28

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -270.932 ± 156.743 χ^2/NDF : 27.2/33

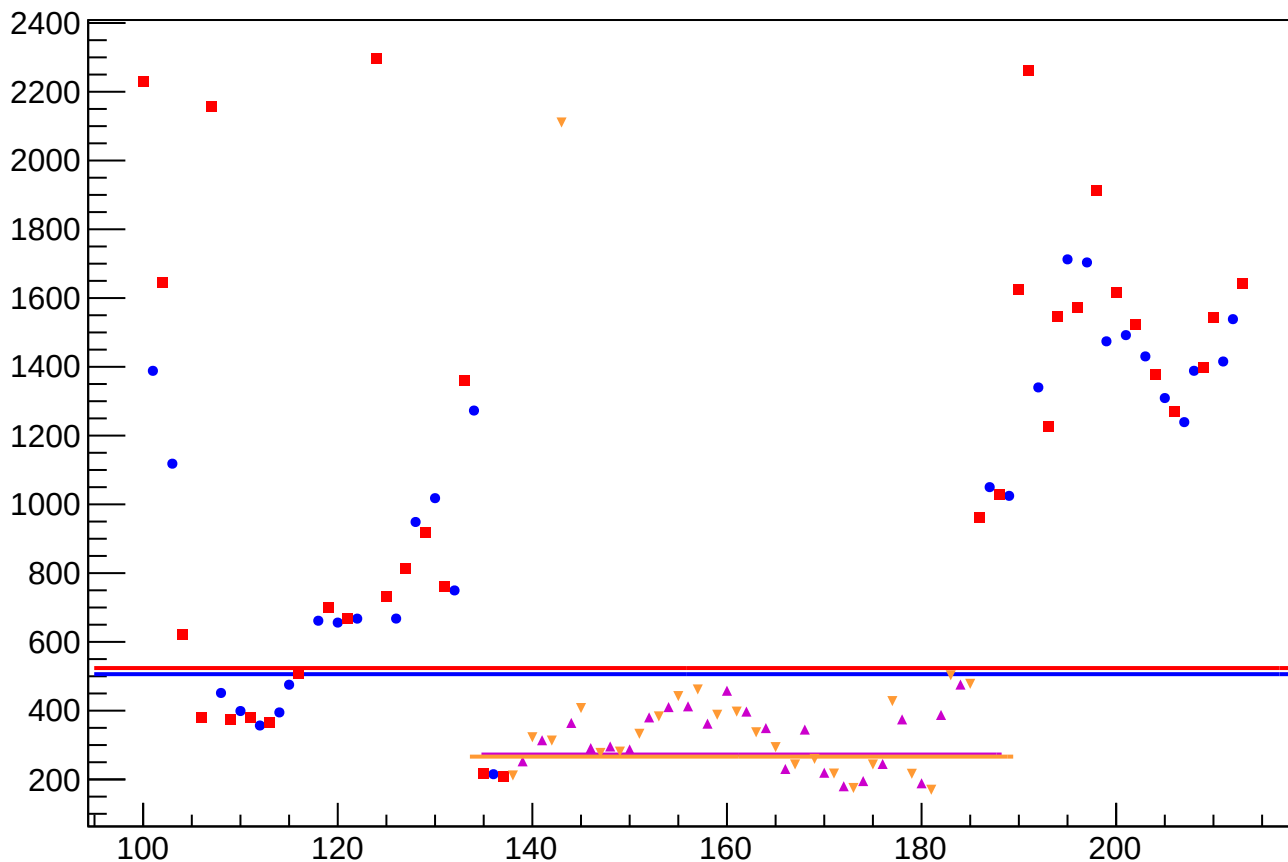
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -158.867 ± 60.104 χ^2/NDF : 81.2/53

All: -146.115 ± 43.022 χ^2/NDF : 123.1/110

- sign -132.715 ± 61.610 χ^2/NDF : 41.8/56

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 506.147+/-0.111 χ^2/NDF : 13696399.9/28

Left Out: 266.326+/-0.046 χ^2/NDF : 4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF : 14579020.0/33

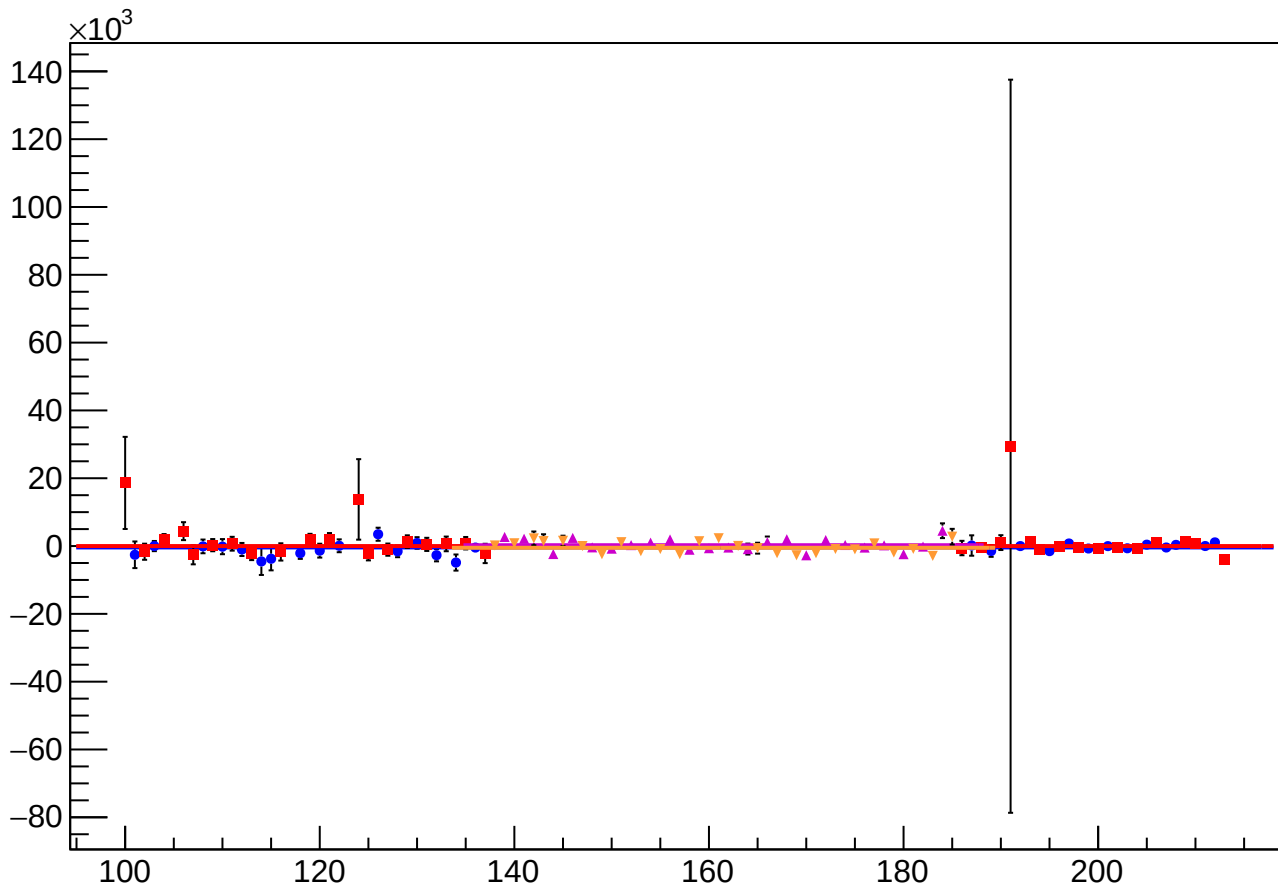
Left In: 272.378+/-0.047 χ^2/NDF : 2887597.1/22

+ sign 301.476+/-0.042 χ^2/NDF : 22309483.7/53

All: 306.237+/-0.030 χ^2/NDF : 44156627.3/11

- sign 311.239+/-0.044 χ^2/NDF : 21821408.2/56

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -408.178+/-307.189 χ^2 /NDF: 17.9/28

Left Out: -514.430+/-285.945 χ^2 /NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2 /NDF: 29.8/33

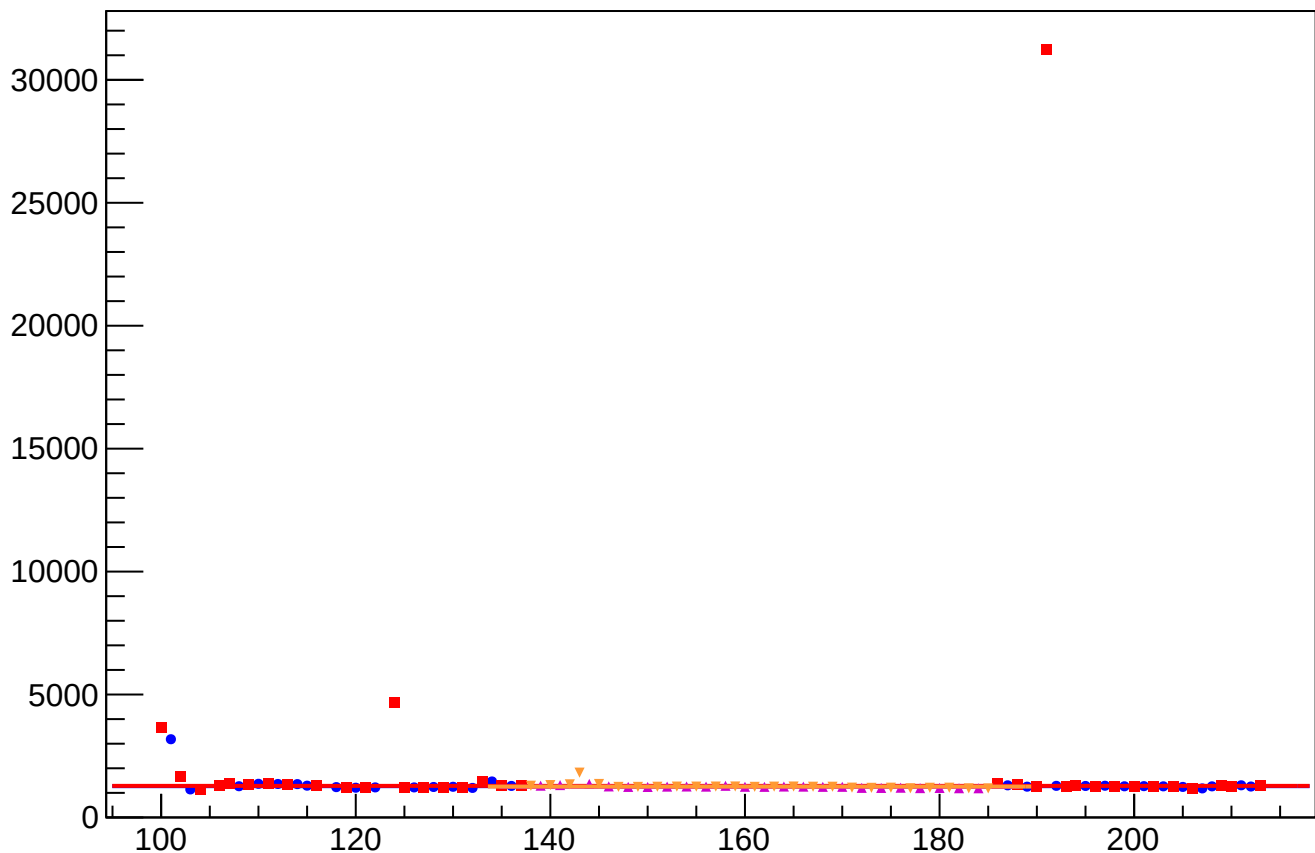
Left In: 242.663+/-291.166 χ^2 /NDF:32.0/22

+ sign -465.105+/-209.301 χ^2 /NDF: 48.9/53

All: -170.802+/-147.796 χ^2 /NDF: 115.1/110

- sign 121.901+/-208.731 χ^2 /NDF: 62.2/56

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533684.7/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.0/24

Right Out: 1284.386 $\pm$ 0.212 χ^2 /NDF: 507636.9/33

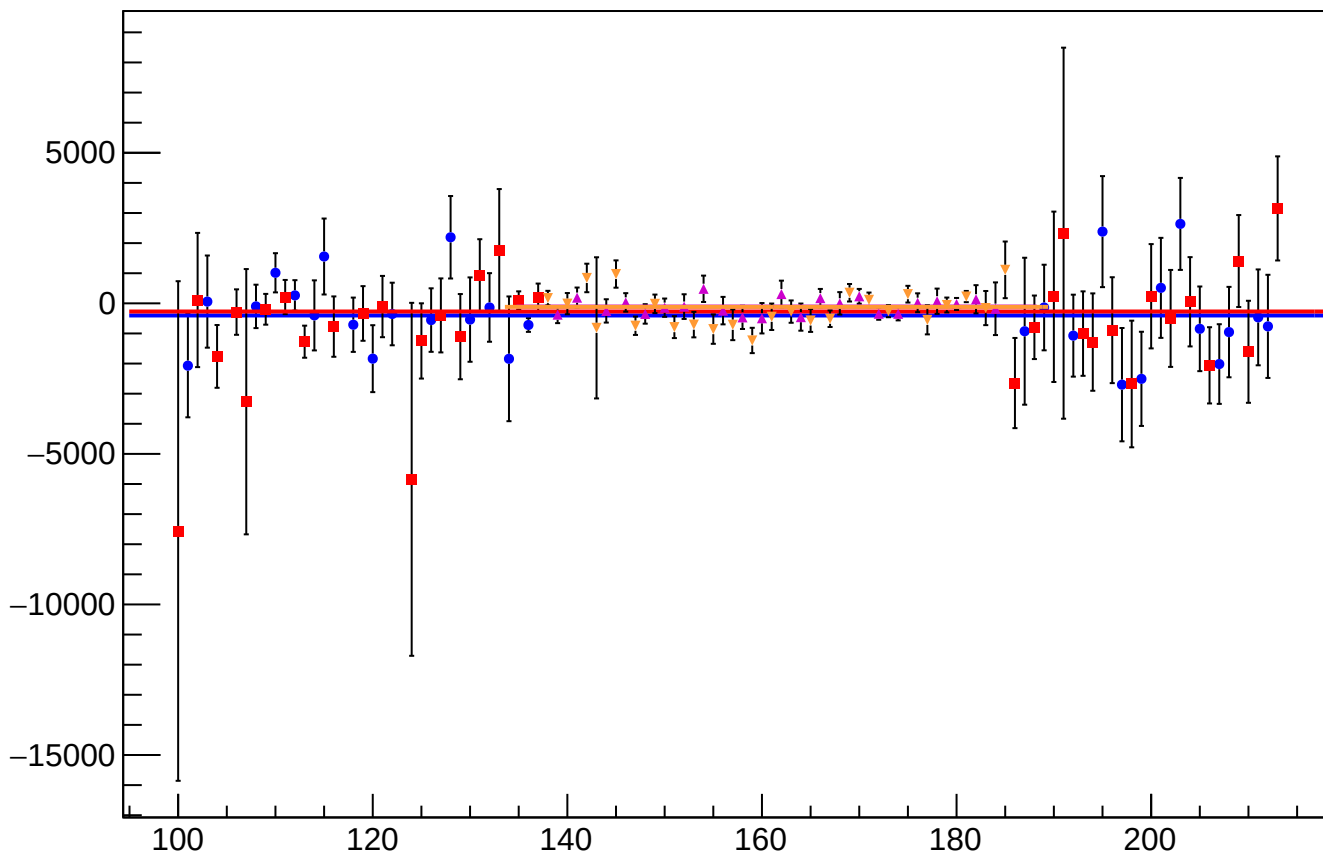
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740062.7/53

All: 1264.109 $\pm$ 0.105 χ^2 /NDF: 1304192.0/11

- sign 1264.841 $\pm$ 0.148 χ^2 /NDF: 564079.9/56

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -402.644 ± 156.995 χ^2/NDF : 29.9/28

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -270.932 ± 156.743 χ^2/NDF : 27.2/33

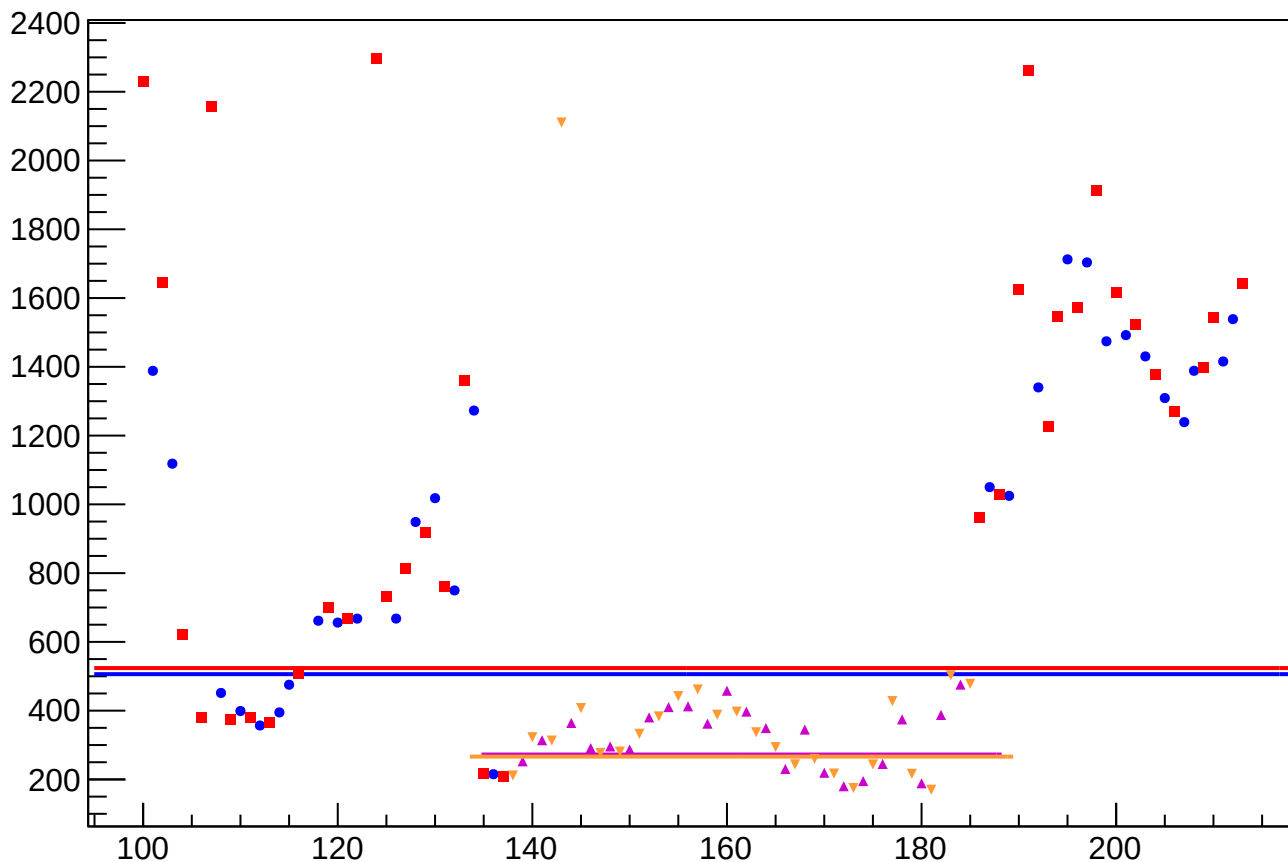
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -158.867 ± 60.104 χ^2/NDF : 81.2/53

All: -146.115 ± 43.022 χ^2/NDF : 123.1/110

- sign -132.715 ± 61.610 χ^2/NDF : 41.8/56

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 506.147 $\pm$ 0.111 χ^2 /NDF: 13696399.9/28

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 523.914 $\pm$ 0.111 χ^2 /NDF: 14579020.0/33

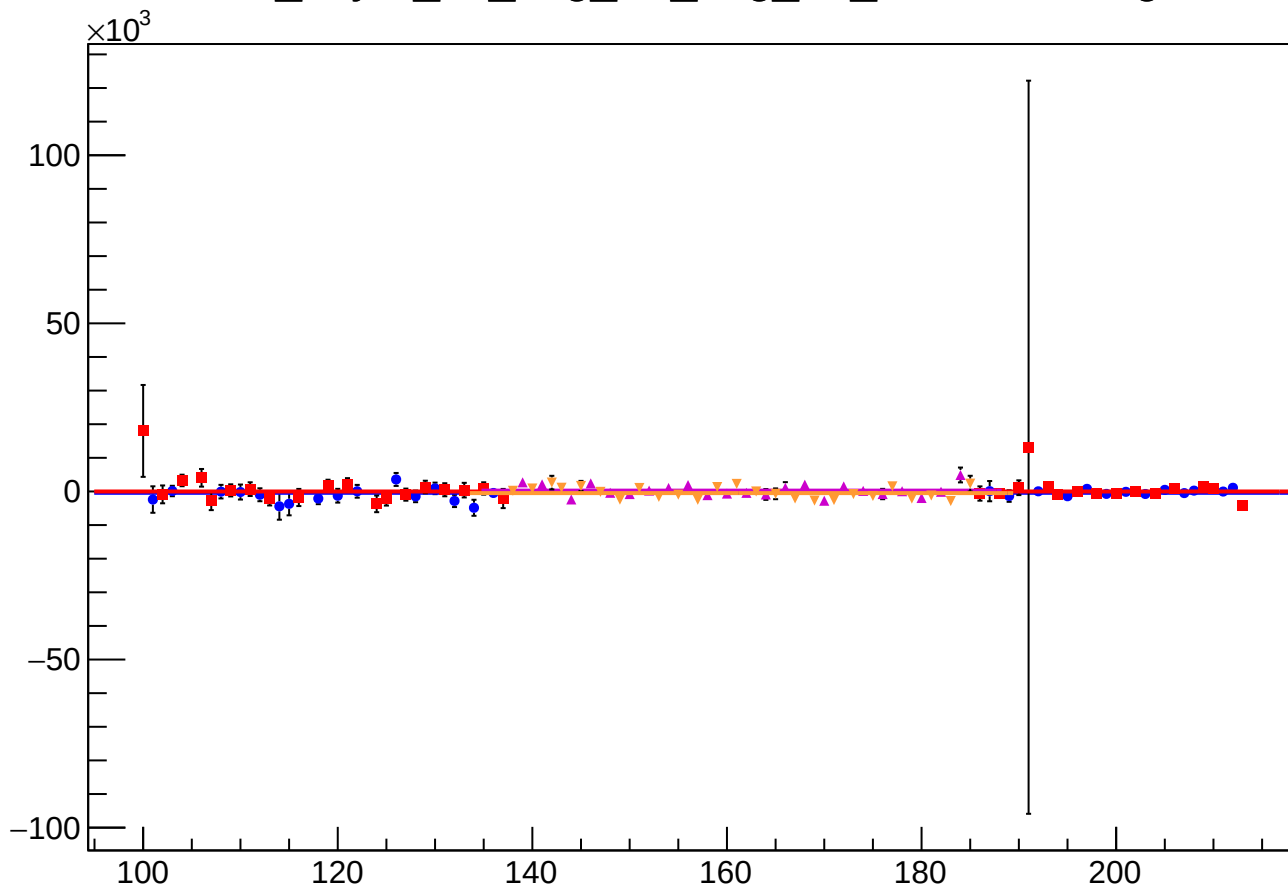
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 301.476 $\pm$ 0.042 χ^2 /NDF: 22309483.7/53

All: 306.237 $\pm$ 0.030 χ^2 /NDF: 44156627.3/11

- sign 311.239 $\pm$ 0.044 χ^2 /NDF: 21821408.2/56

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -403.388+/-308.068 χ^2/NDF : 17.9/28

Left Out: -493.436+/-282.734 χ^2/NDF : 34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF : 31.8/33

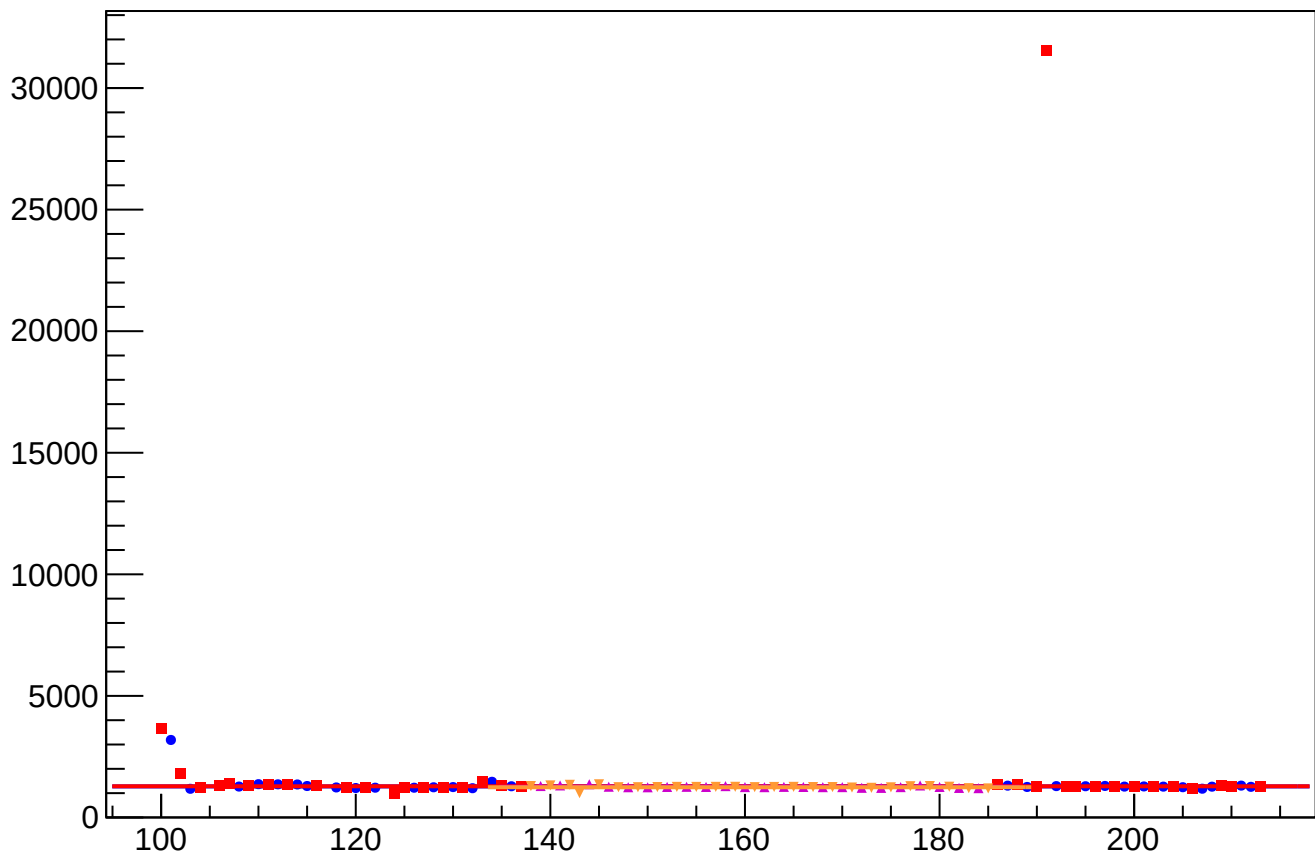
Left In: 242.004+/-294.339 χ^2/NDF : 30.7/22

+ sign -452.266+/-208.305 χ^2/NDF : 52.2/53

All: -169.625+/-147.788 χ^2/NDF : 118.7/110

- sign 116.841+/-209.709 χ^2/NDF : 62.9/56

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.165 $\pm$ 0.218 χ^2 /NDF: 526367.5/28

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130023.1/24

Right Out: 1282.184 $\pm$ 0.211 χ^2 /NDF: 388064.2/33

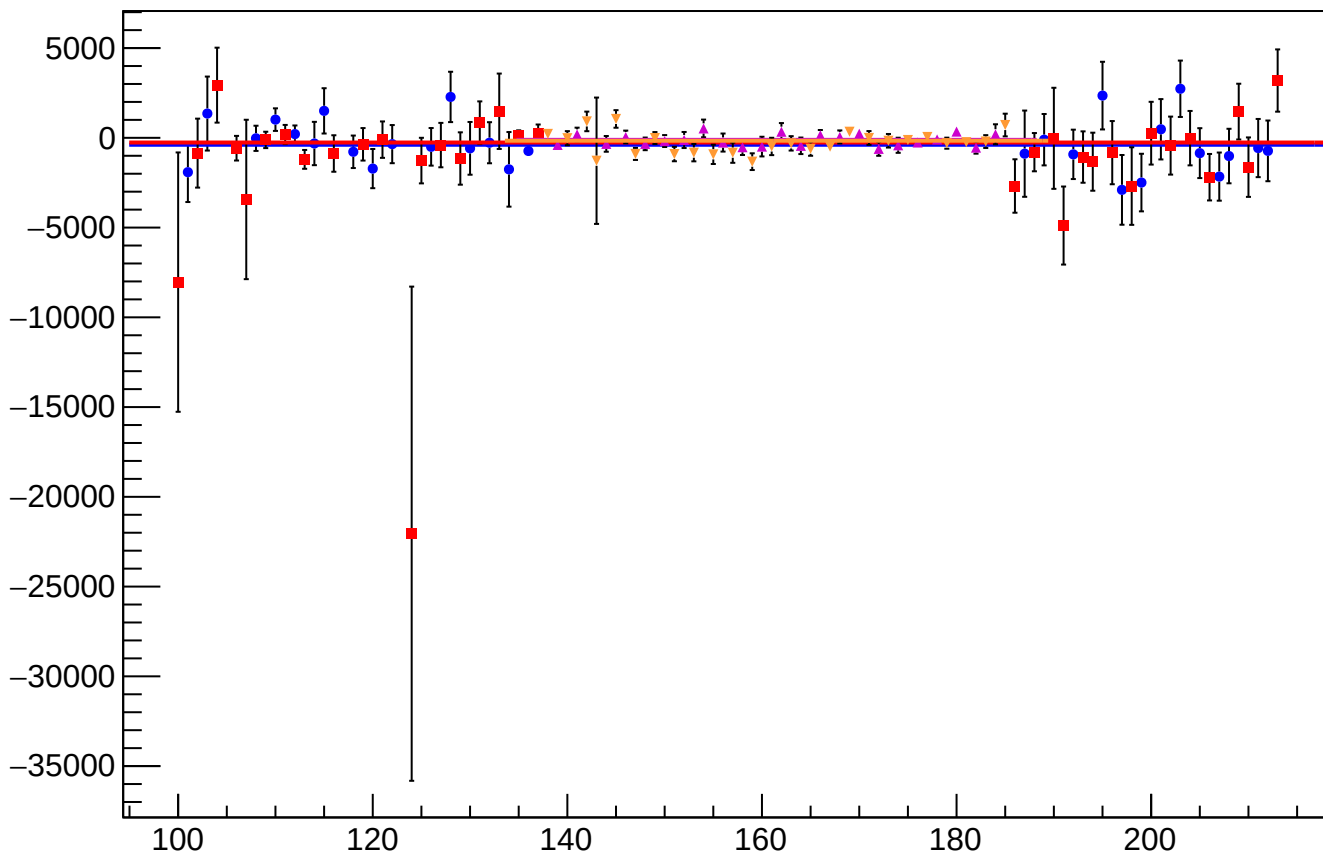
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF:27932.1/22

+ sign 1257.913 $\pm$ 0.147 χ^2 /NDF: 669324.0/53

All: 1264.398 $\pm$ 0.105 χ^2 /NDF: 1094770.4/11

- sign 1270.971 $\pm$ 0.148 χ^2 /NDF: 421543.2/56

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -386.016 ± 158.637 $\chi^2/\text{NDF}: 30.5/28$

Left Out: -160.930 ± 64.133 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -261.636 ± 156.804 $\chi^2/\text{NDF}: 34.0/33$

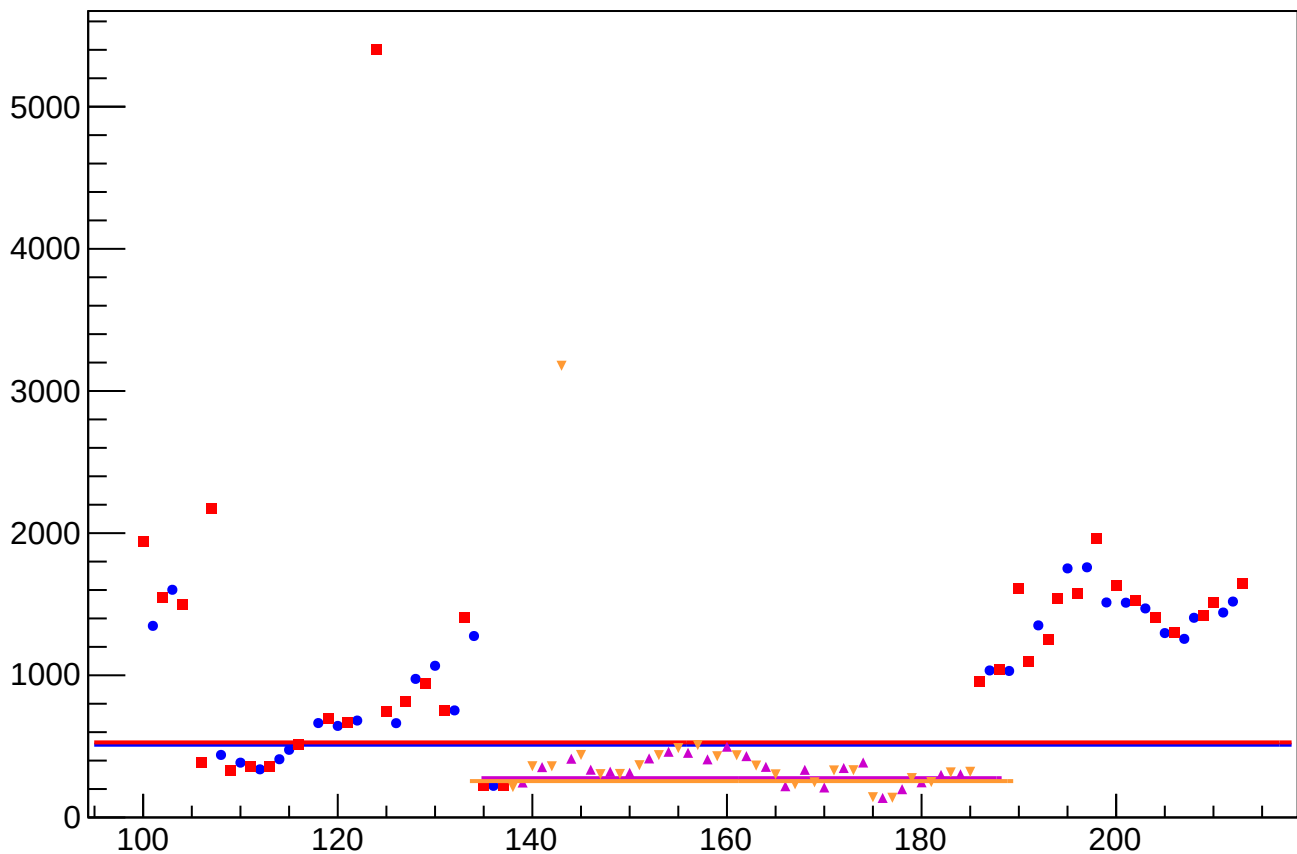
Left In: -113.722 ± 68.841 $\chi^2/\text{NDF}: 18.2/22$

+ sign -192.549 ± 59.458 $\chi^2/\text{NDF}: 76.0/53$

All: -166.689 ± 43.252 $\chi^2/\text{NDF}: 129.3/110$

- sign -137.624 ± 63.033 $\chi^2/\text{NDF}: 52.9/56$

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 511.725+/-0.112 χ^2/NDF : 13833658.3/28

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 527.966+/-0.111 χ^2/NDF : 15088720.3/33

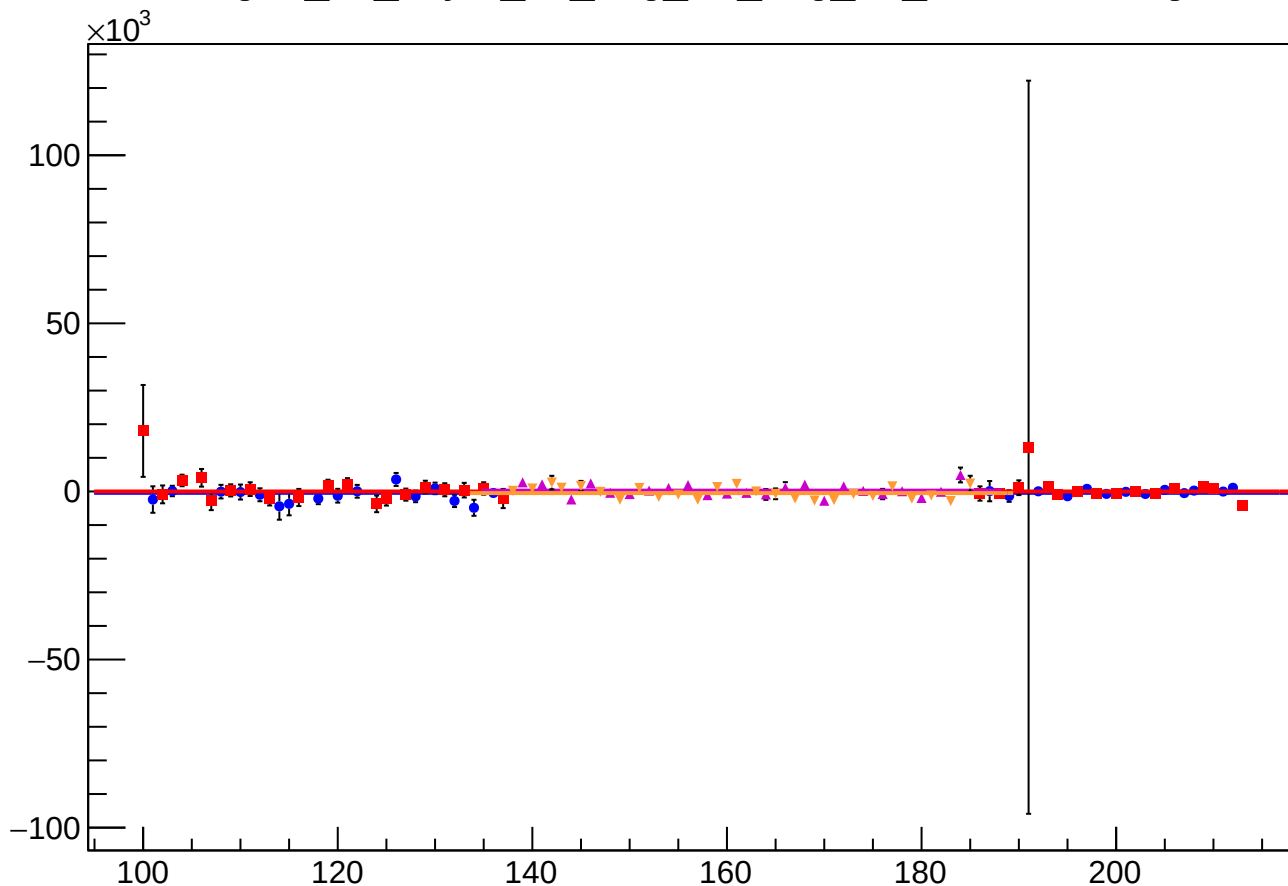
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 291.724+/-0.042 χ^2/NDF : 24682772.3/53

All: 303.609+/-0.031 χ^2/NDF : 48288026.5/11

- sign 316.967+/-0.045 χ^2/NDF : 23435531.7/56

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -403.387+/-308.068 χ^2/NDF : 17.9/28

Left Out: -493.435+/-282.734 χ^2/NDF : 34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF : 31.8/33

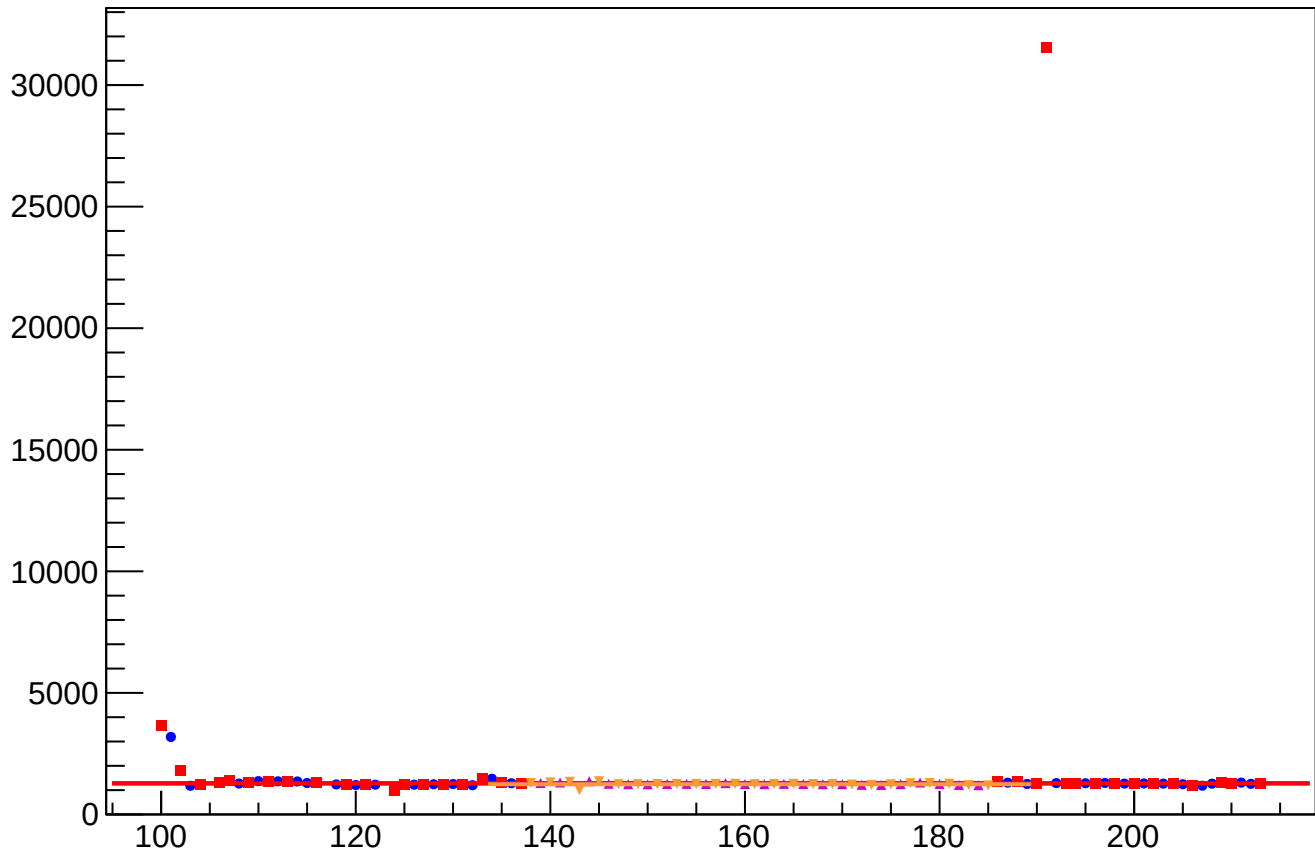
Left In: 242.004+/-294.339 χ^2/NDF : 30.7/22

+ sign -452.265+/-208.305 χ^2/NDF : 52.2/53

All: -169.624+/-147.788 χ^2/NDF : 118.7/110

- sign 116.841+/-209.709 χ^2/NDF : 62.9/56

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.165 $\pm$ 0.218 χ^2 /NDF: 526367.5/28

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130022.2/24

Right Out: 1282.184 $\pm$ 0.211 χ^2 /NDF: 388064.5/33

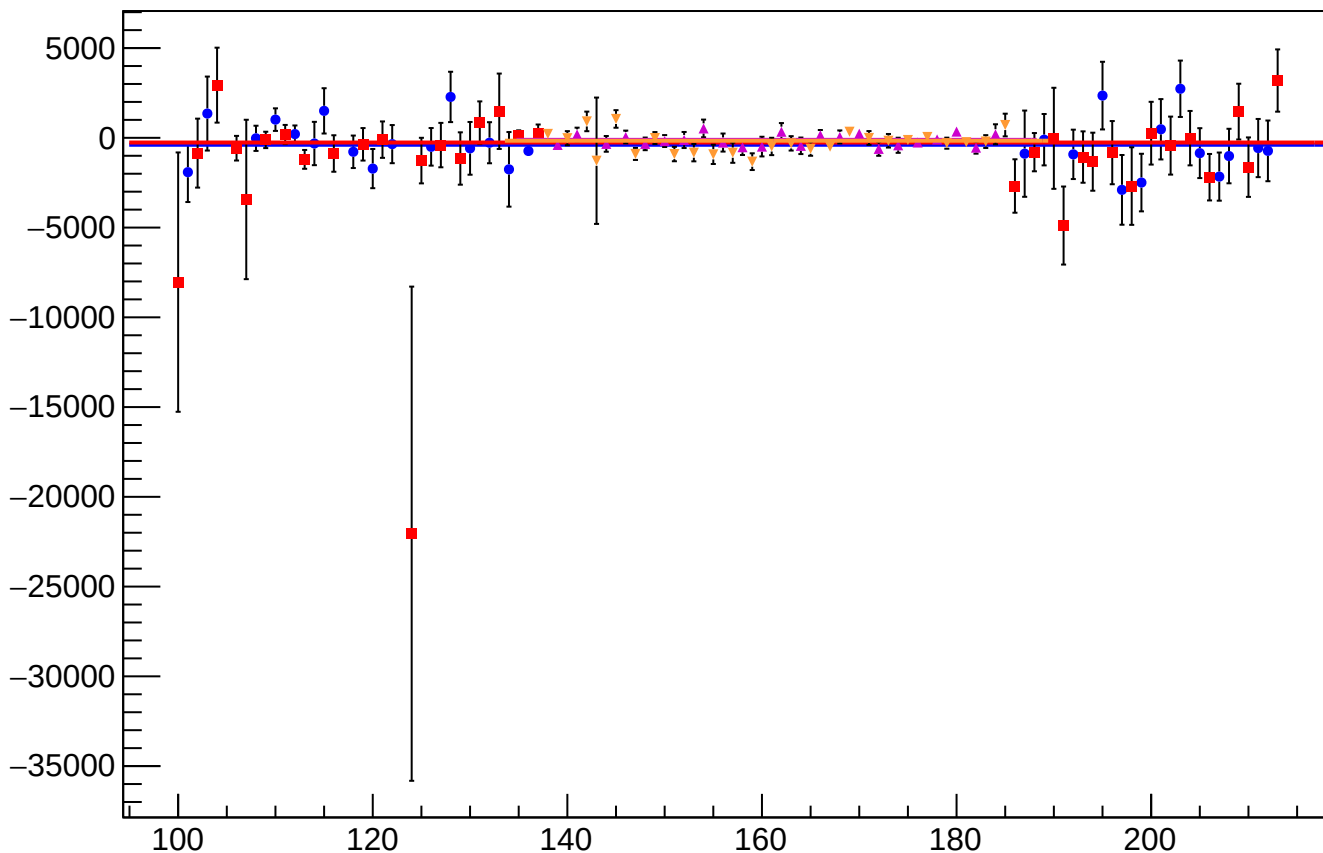
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF:27932.2/22

+ sign 1257.913 $\pm$ 0.147 χ^2 /NDF: 669323.1/53

All: 1264.398 $\pm$ 0.105 χ^2 /NDF: 1094769.9/11

- sign 1270.971 $\pm$ 0.148 χ^2 /NDF: 421543.6/56

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -386.018 ± 158.640 $\chi^2/\text{NDF}: 30.5/28$

Left Out: -160.933 ± 64.133 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -261.643 ± 156.806 $\chi^2/\text{NDF}: 34.0/33$

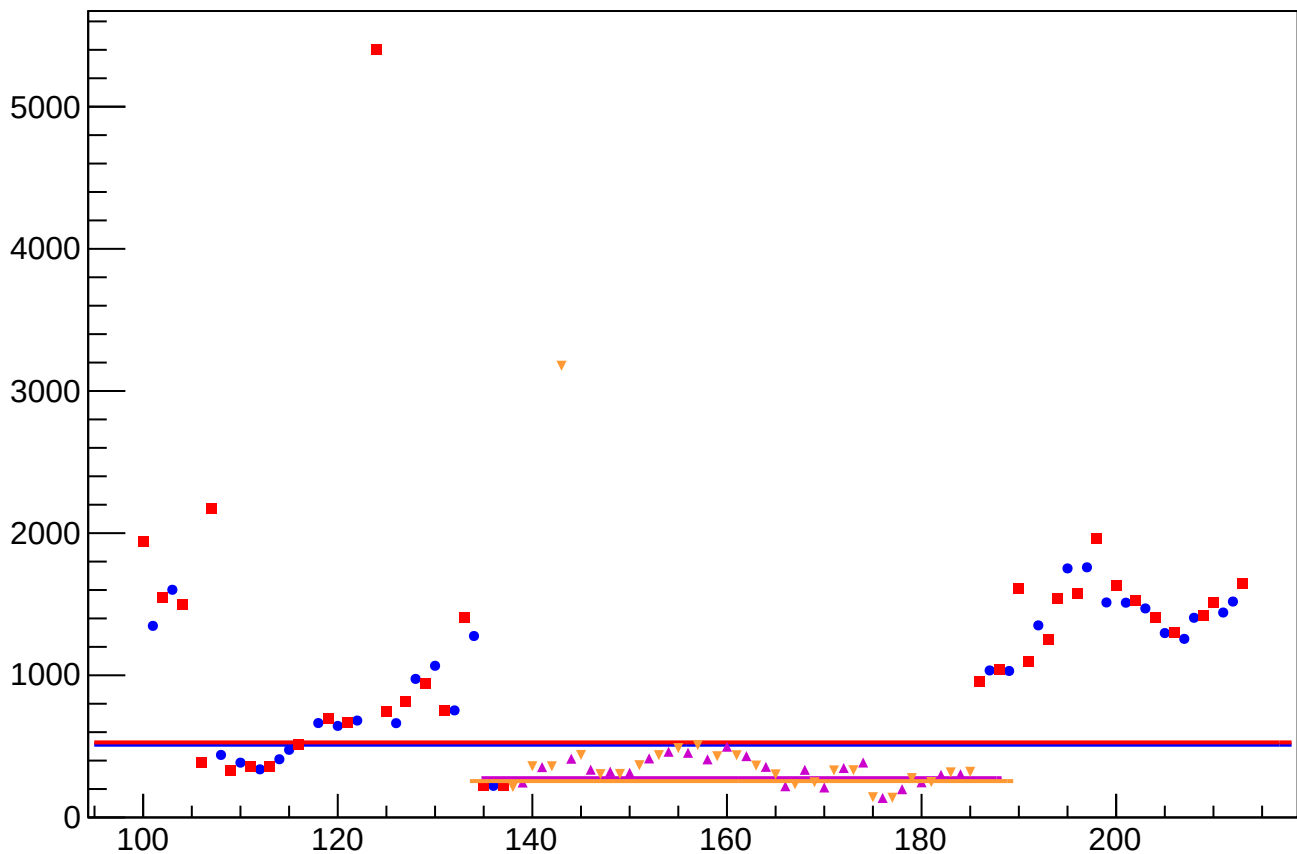
Left In: -113.720 ± 68.841 $\chi^2/\text{NDF}: 18.2/22$

+ sign -192.552 ± 59.458 $\chi^2/\text{NDF}: 76.0/53$

All: -166.690 ± 43.252 $\chi^2/\text{NDF}: 129.3/110$

- sign -137.623 ± 63.034 $\chi^2/\text{NDF}: 52.9/56$

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 511.738+/-0.112 χ^2/NDF : 13833253.6/28

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 527.976+/-0.111 χ^2/NDF : 15088395.3/33

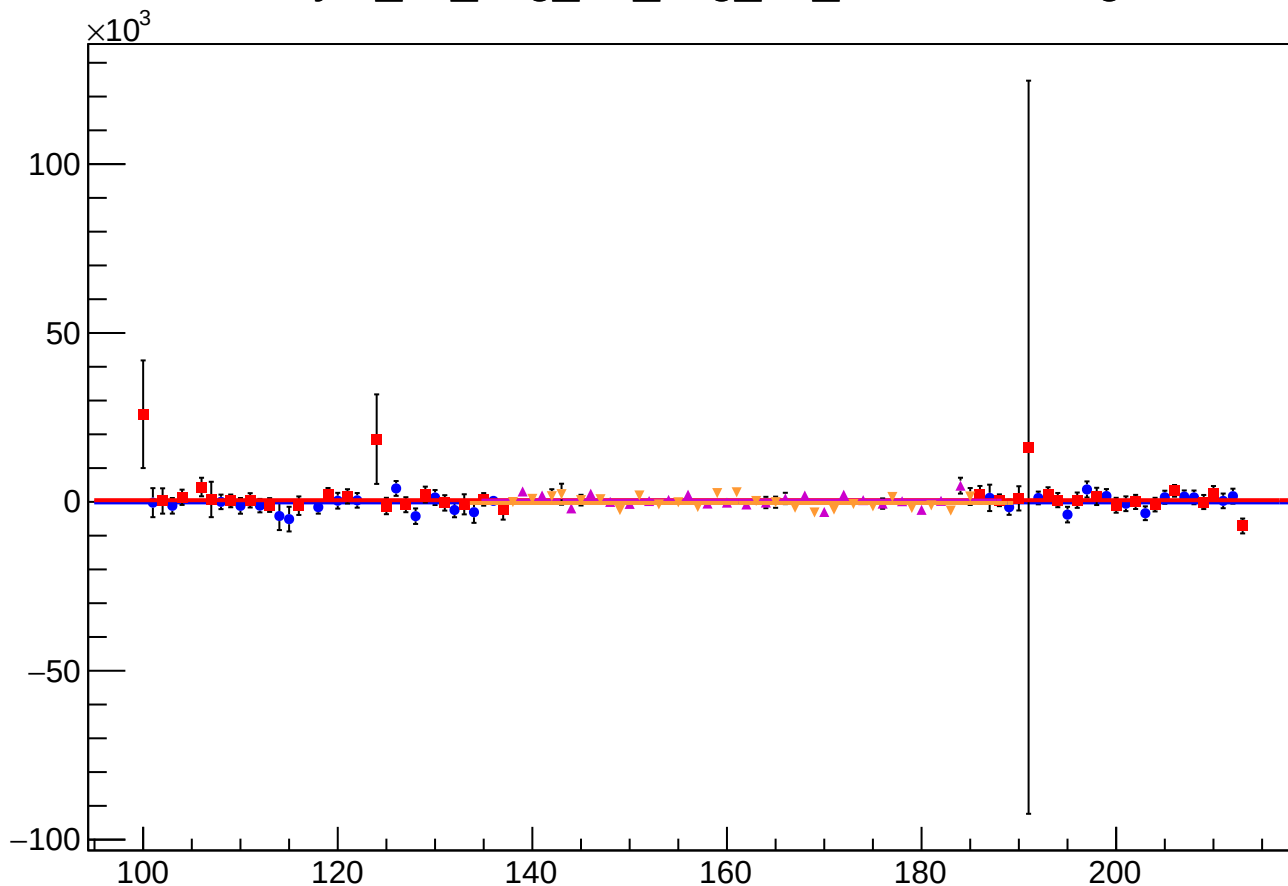
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 291.727+/-0.042 χ^2/NDF : 24682544.7/53

All: 303.611+/-0.031 χ^2/NDF : 48287661.7/11

- sign 316.968+/-0.045 χ^2/NDF : 23435407.8/56

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -156.911 ± 409.831 χ^2/NDF : 25.4/28

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 497.038 ± 403.674 χ^2/NDF : 29.2/33

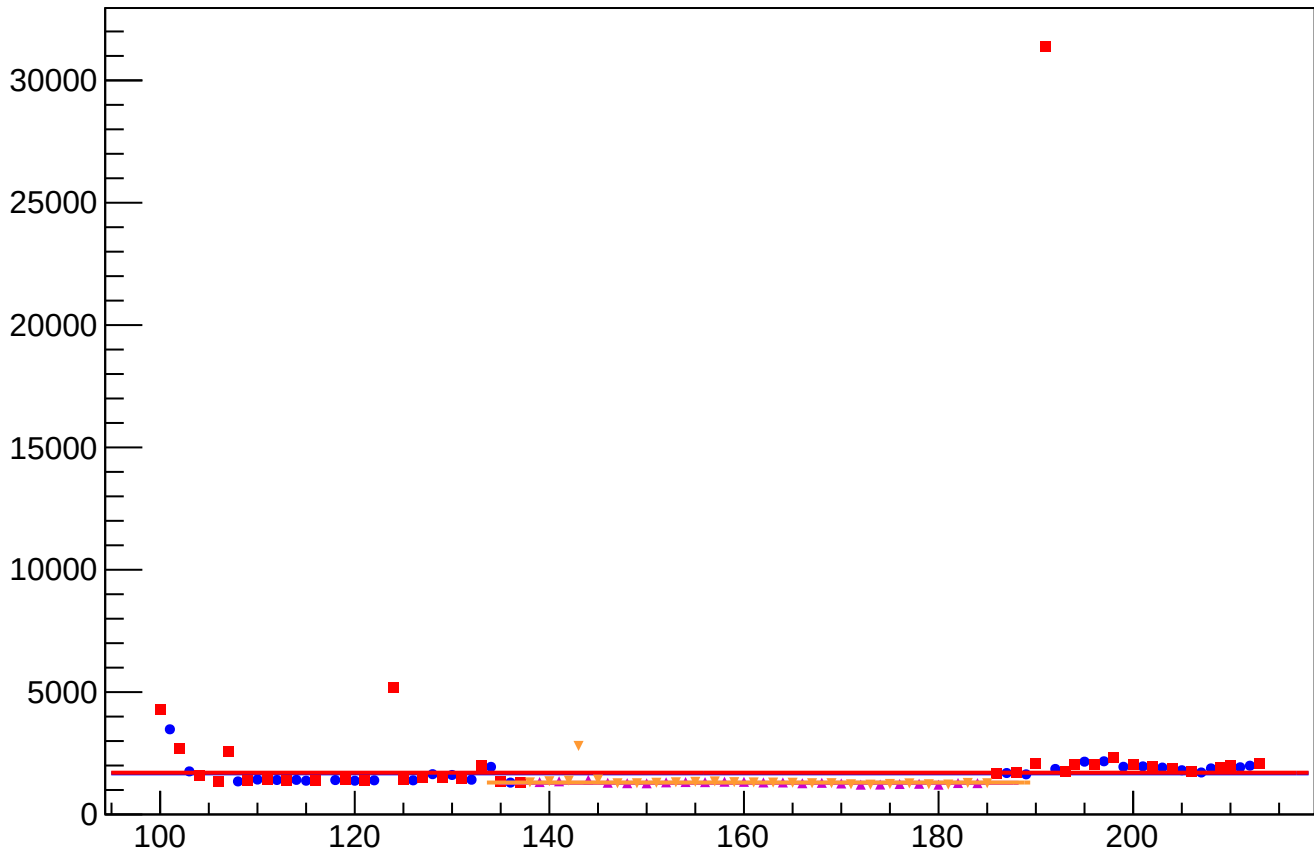
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -263.360 ± 241.163 χ^2/NDF : 57.0/53

All: 70.901 ± 170.741 χ^2/NDF : 119.8/110

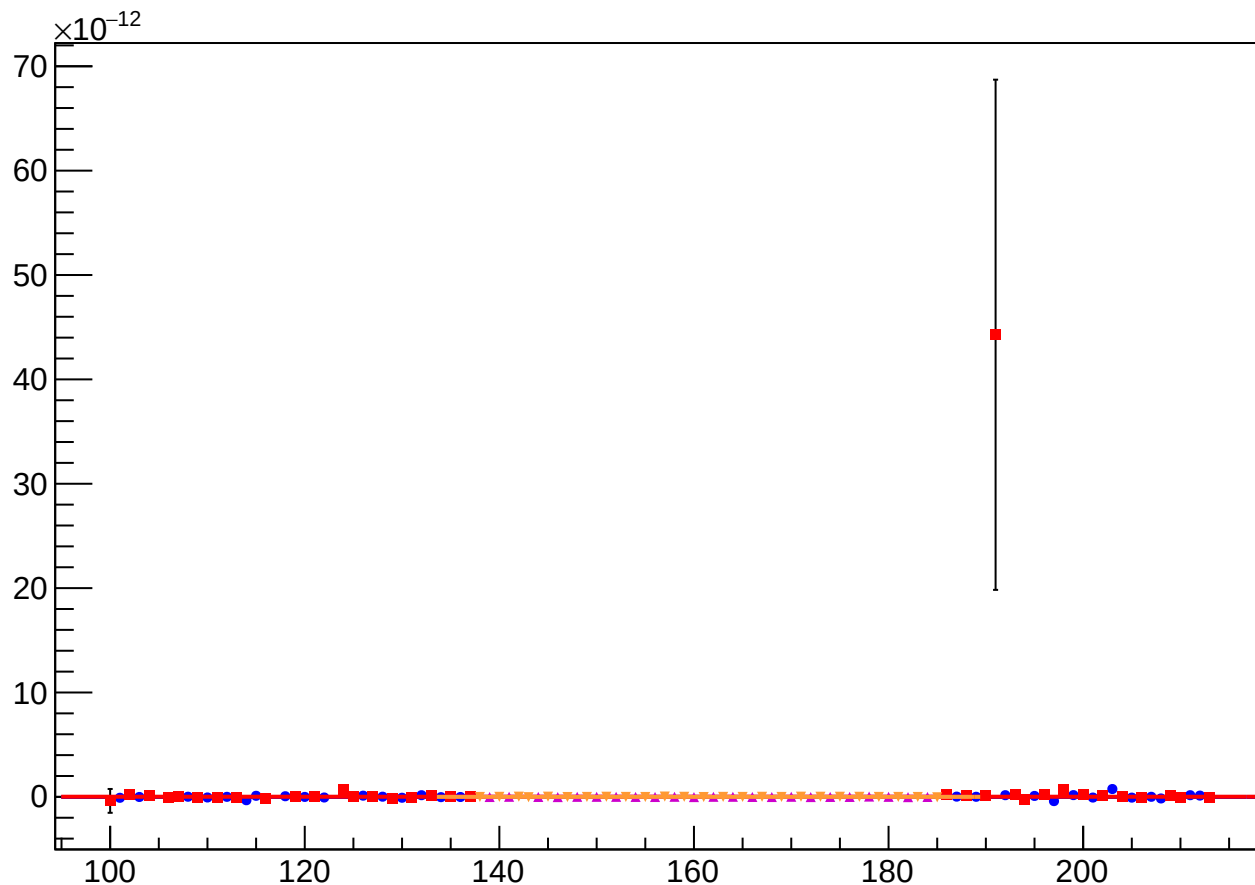
- sign 406.839 ± 241.767 χ^2/NDF : 58.9/56

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1679.481+/-0.290	χ^2/NDF : 1201115.5/28	+ sign 1434.119+/-0.171	χ^2/NDF : 2817291.4/53
Left Out: 1304.156+/-0.211	χ^2/NDF : 519609.1/24	All: 1437.511+/-0.121	χ^2/NDF : 5726198.2/11
Right Out: 1706.944+/-0.285	χ^2/NDF : 1505353.2/33	- sign 1440.920+/-0.171	χ^2/NDF : 2908113.5/56
Left In: 1292.123+/-0.213	χ^2/NDF : 48343.1/22		

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 31.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 24.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 38.6/33

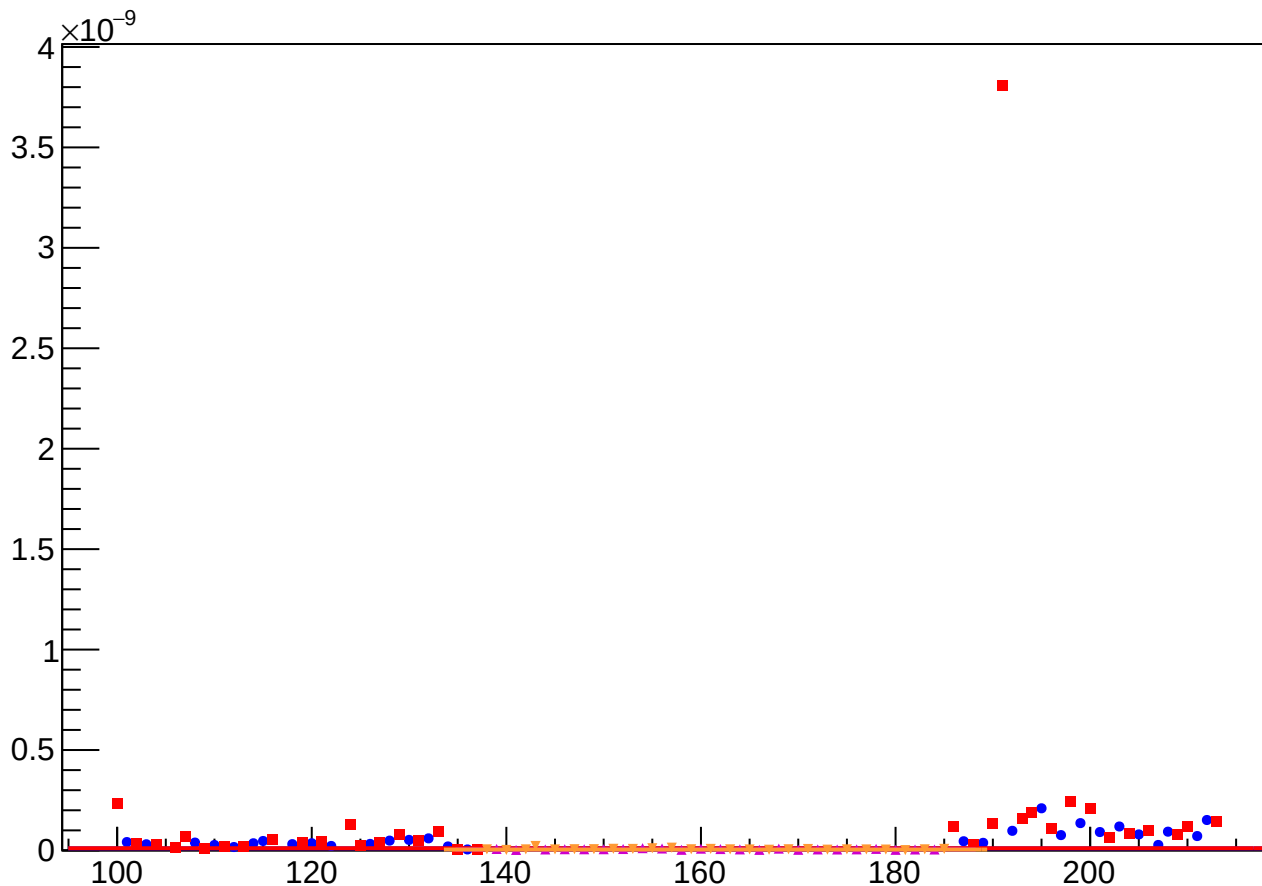
Left In: 0.000+/-0.000 χ^2/NDF : 29.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 58.2/53

All: 0.000+/-0.000 χ^2/NDF : 129.1/110

- sign 0.000+/-0.000 χ^2/NDF : 70.5/56

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8650559.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11325002.2/33

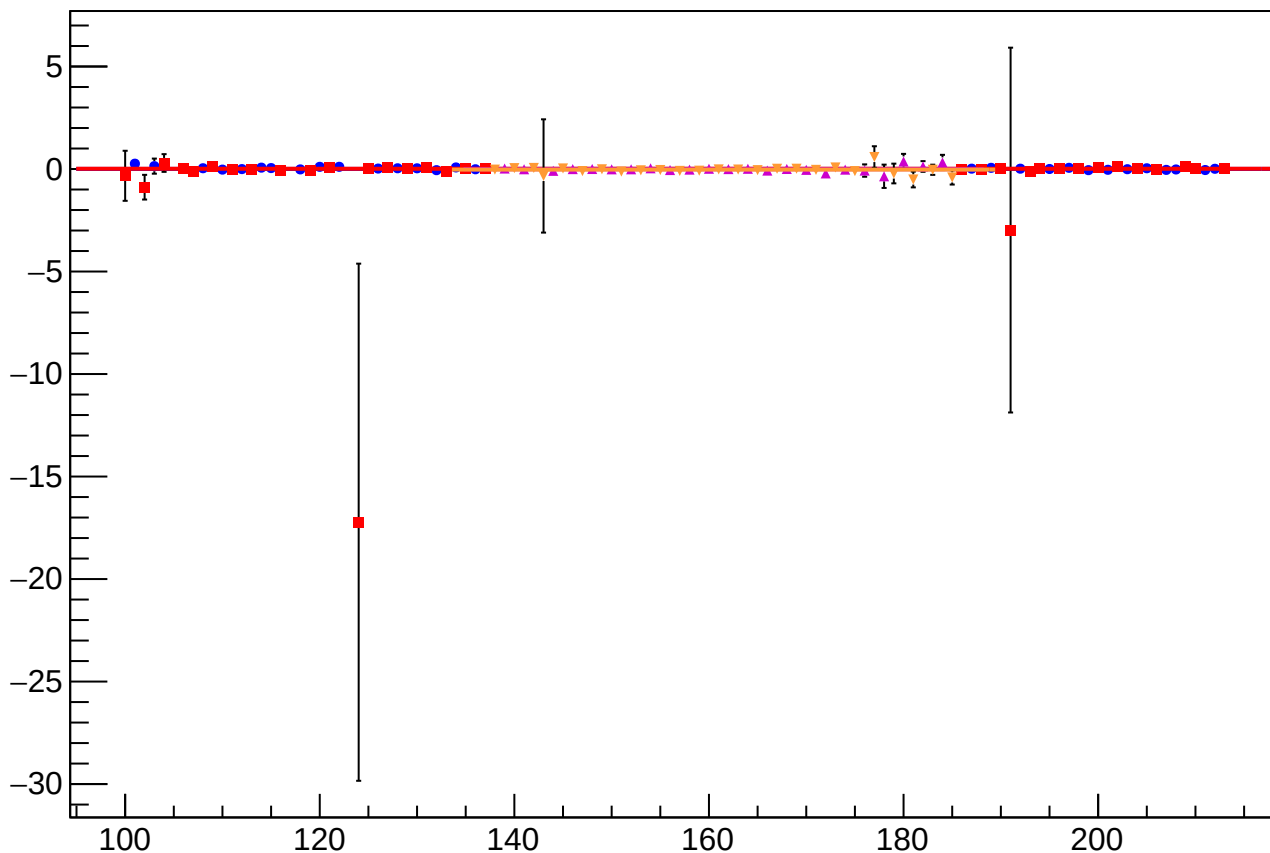
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 12523822.6/53

All: 0.000+/-0.000 χ^2/NDF : 26926679.7/110

- sign 0.000+/-0.000 χ^2/NDF : 14376715.8/56

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2 /NDF: 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2 /NDF: 26.8/33

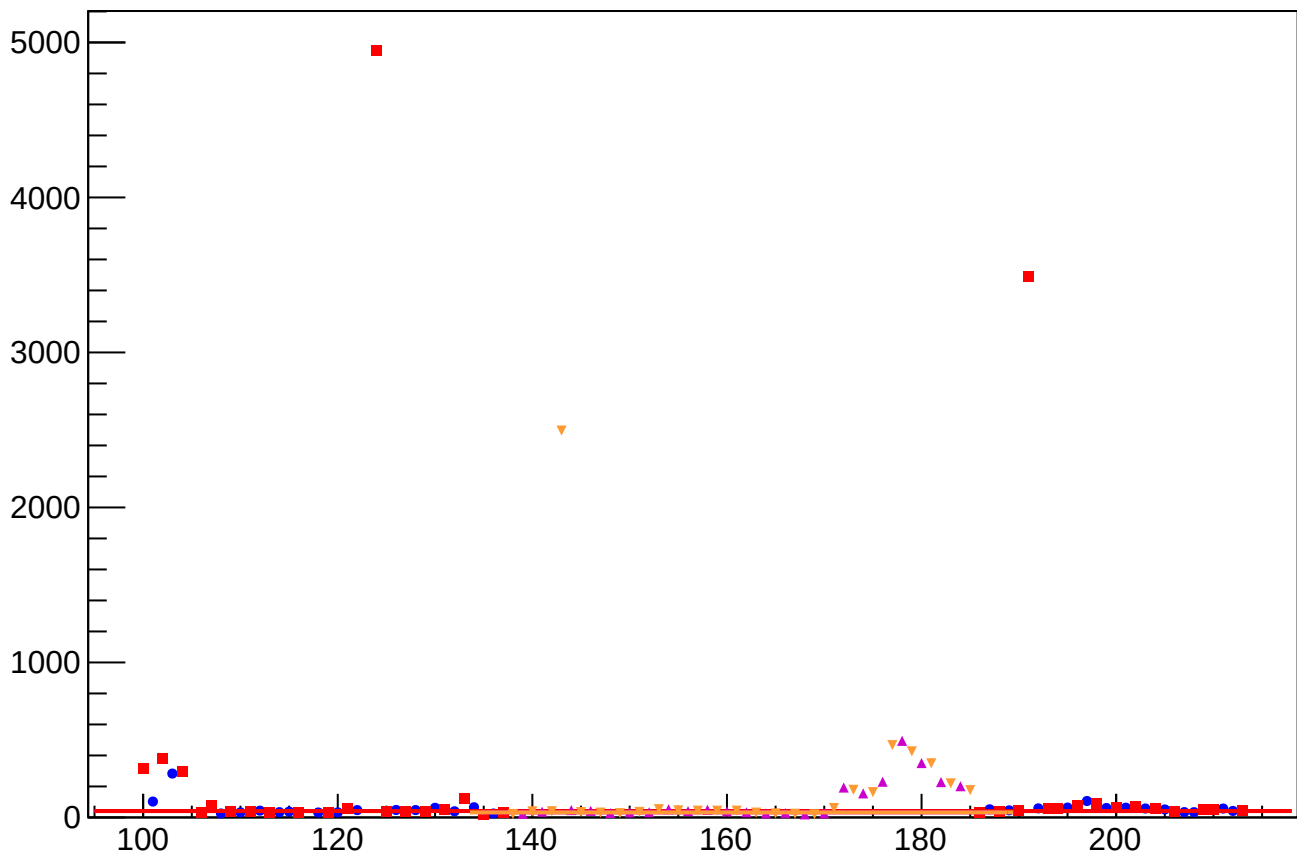
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.7/53

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/56

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250880.0/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523442.3/33

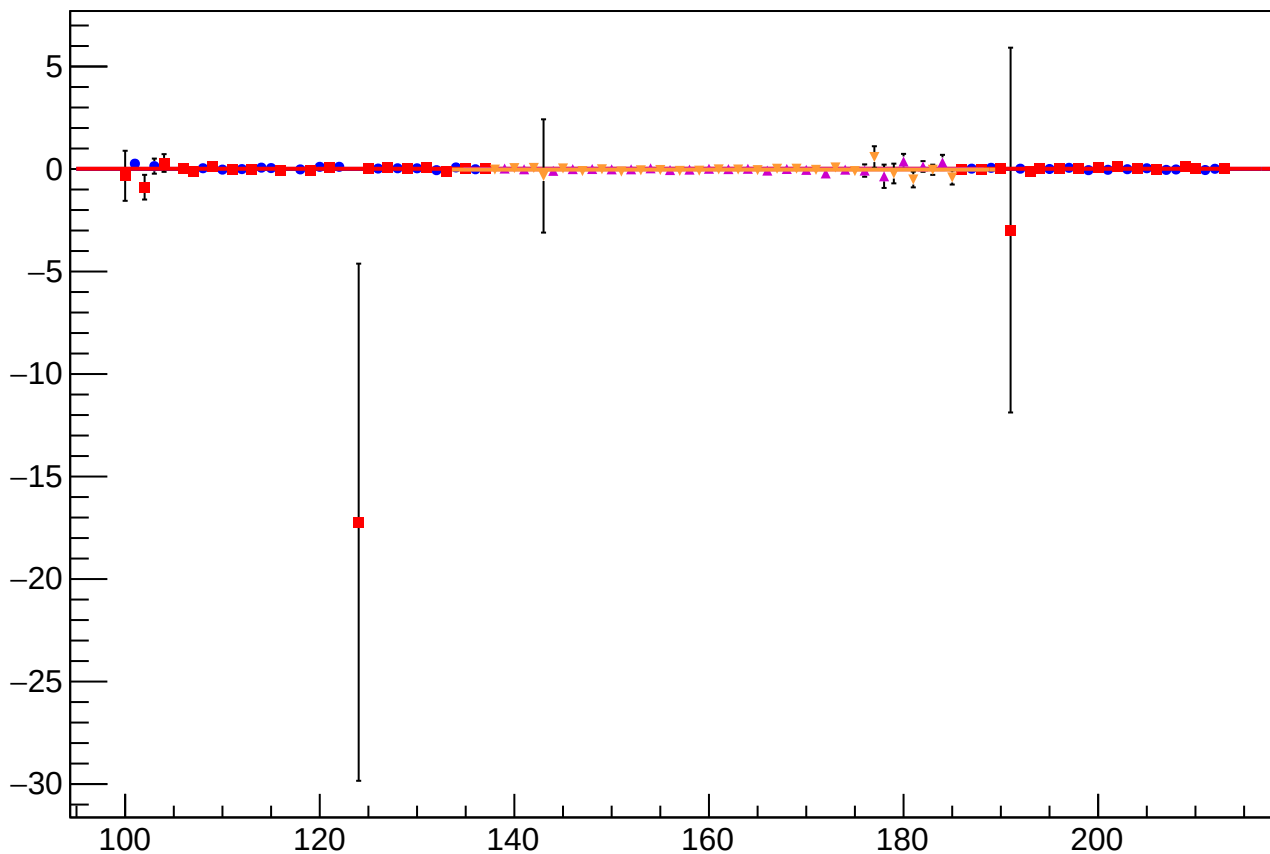
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861213.4/53

All: 36.321+/-0.004 χ^2/NDF : 31037678.7/110

- sign 36.380+/-0.005 χ^2/NDF : 15176196.0/56

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2 /NDF: 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2 /NDF: 26.8/33

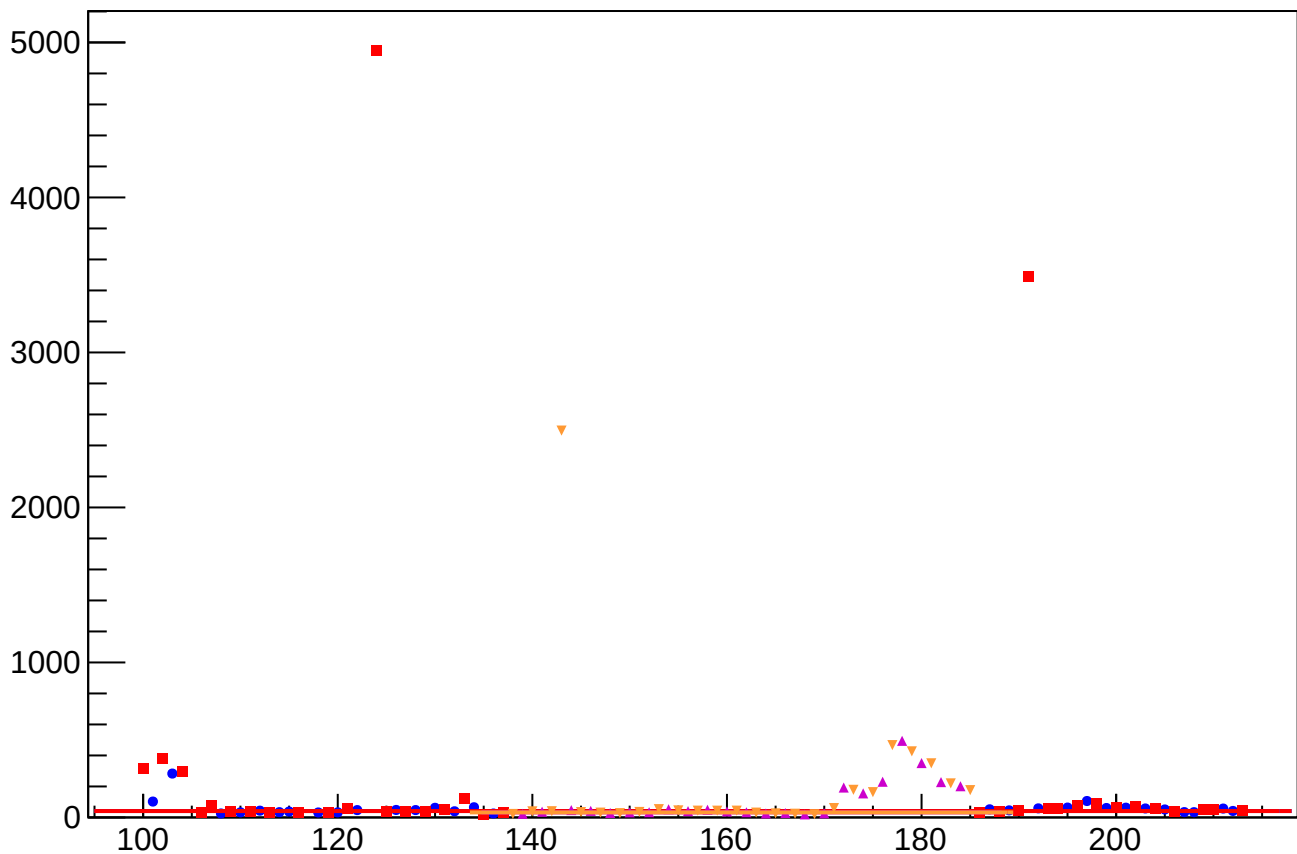
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.7/53

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/56

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250880.0/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523442.3/33

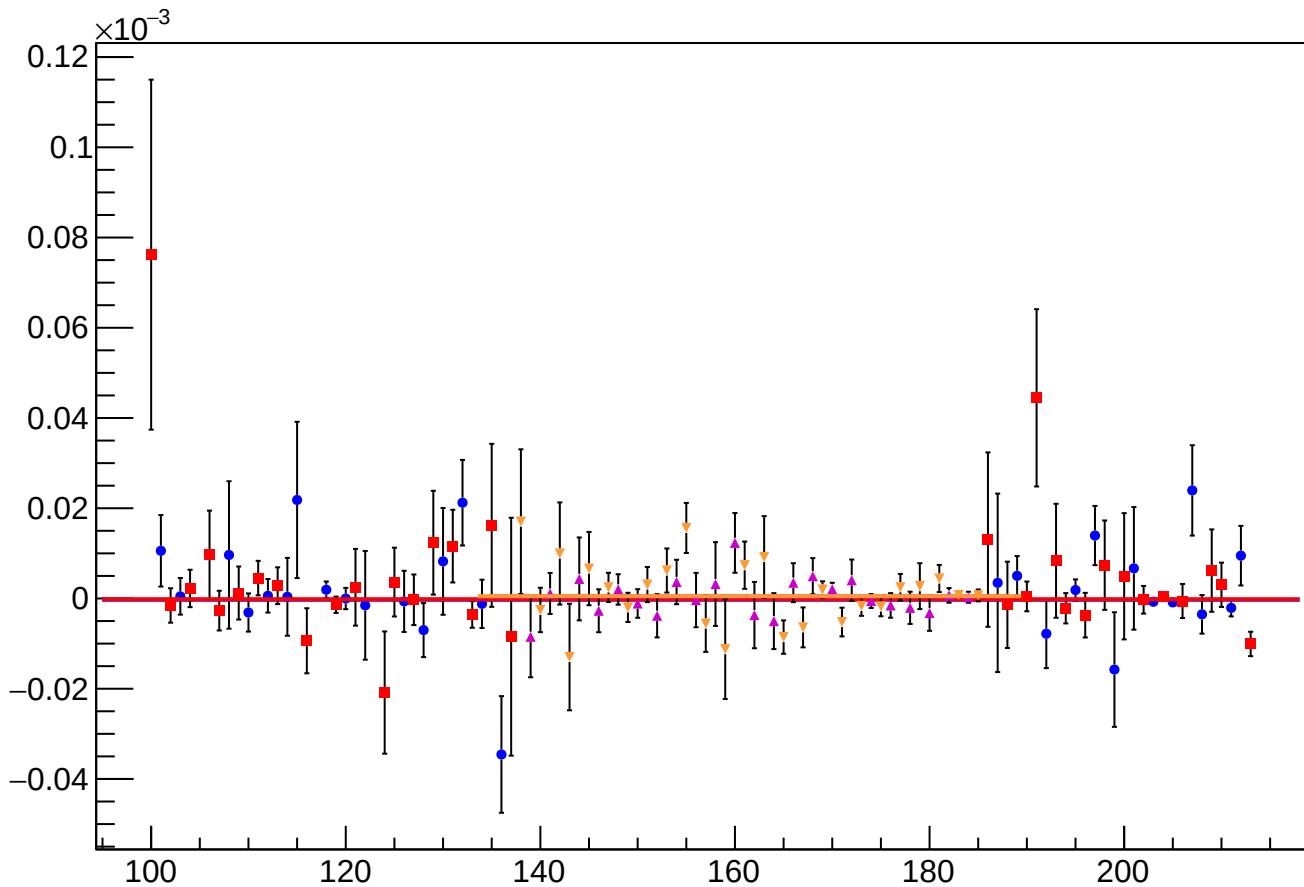
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861213.4/53

All: 36.321+/-0.004 χ^2/NDF : 31037678.7/110

- sign 36.380+/-0.005 χ^2/NDF : 15176196.0/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.9/33

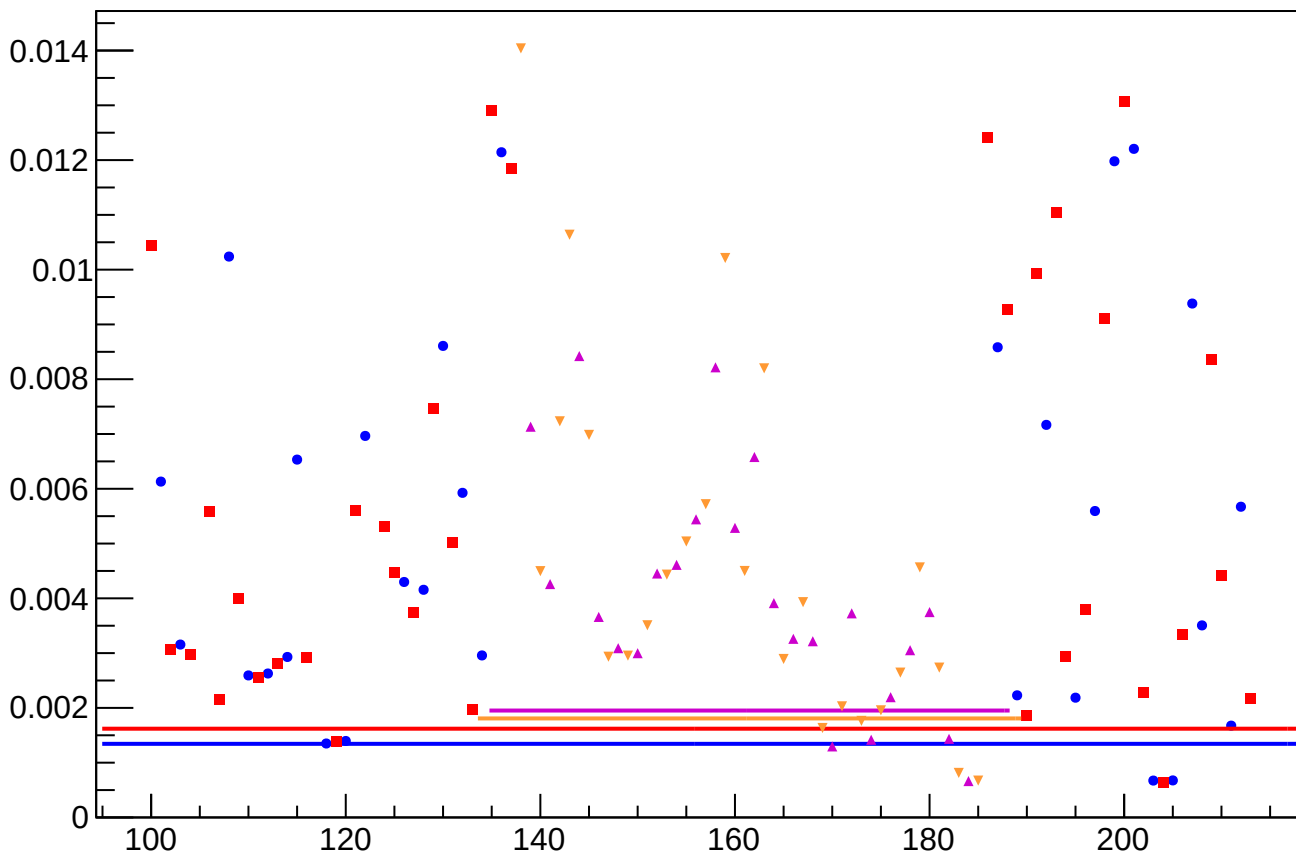
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 131.9/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.2/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 16812753.8/28

Left Out: 0.002+/-0.000 χ^2/NDF :14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 17282679.3/33

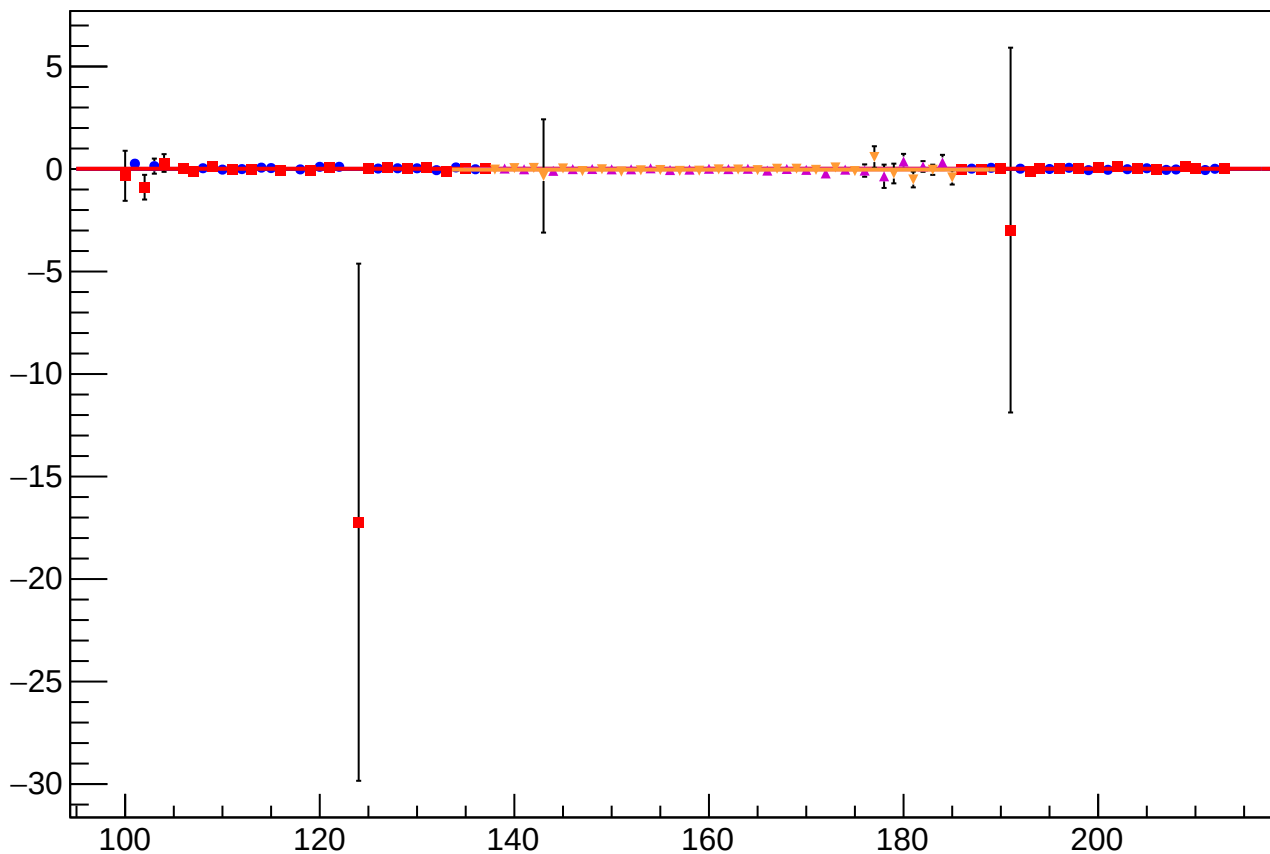
Left In: 0.002+/-0.000 χ^2/NDF :11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 32546514.4/53

All: 0.002+/-0.000 χ^2/NDF : 61983275.6/110

- sign 0.002+/-0.000 χ^2/NDF : 29102366.0/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2 /NDF: 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2 /NDF: 26.8/33

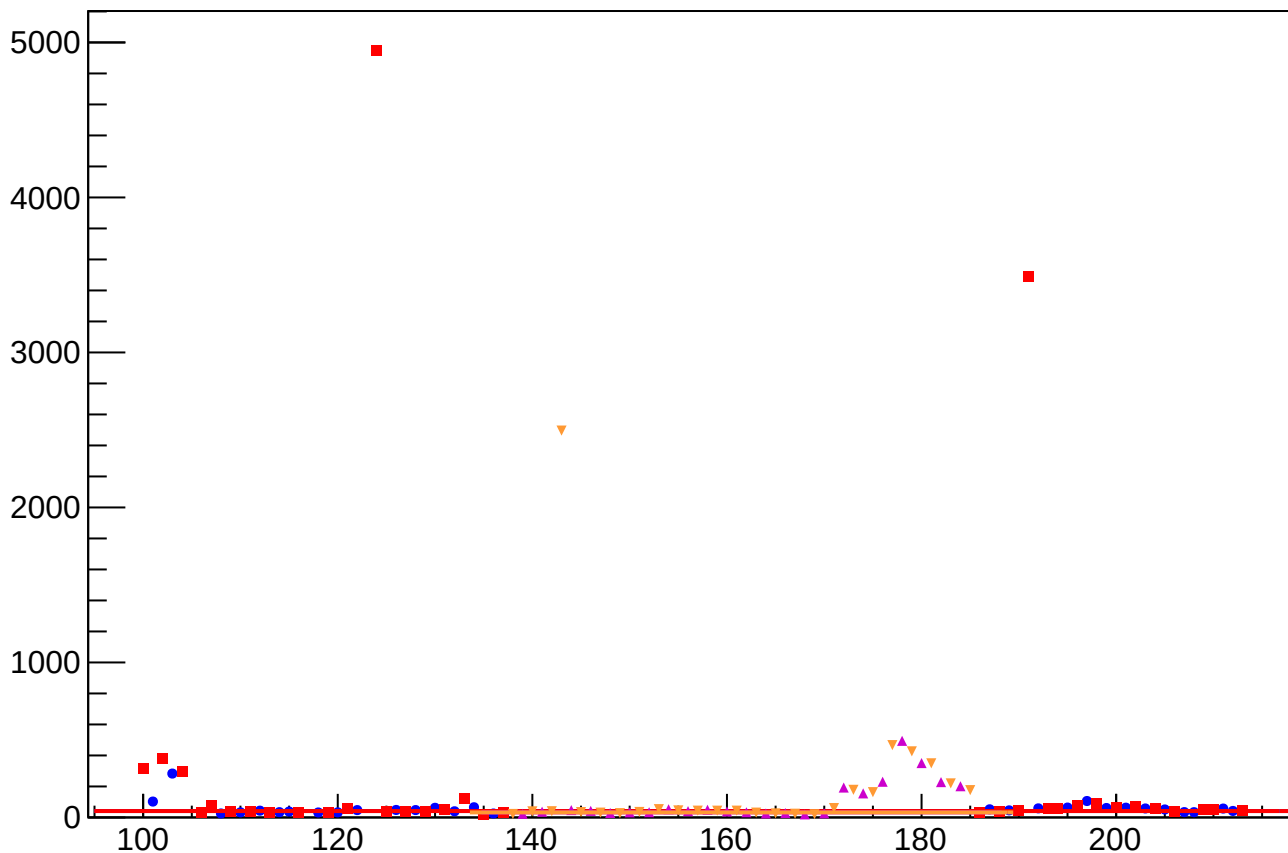
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.7/53

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250536.7/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523237.2/33

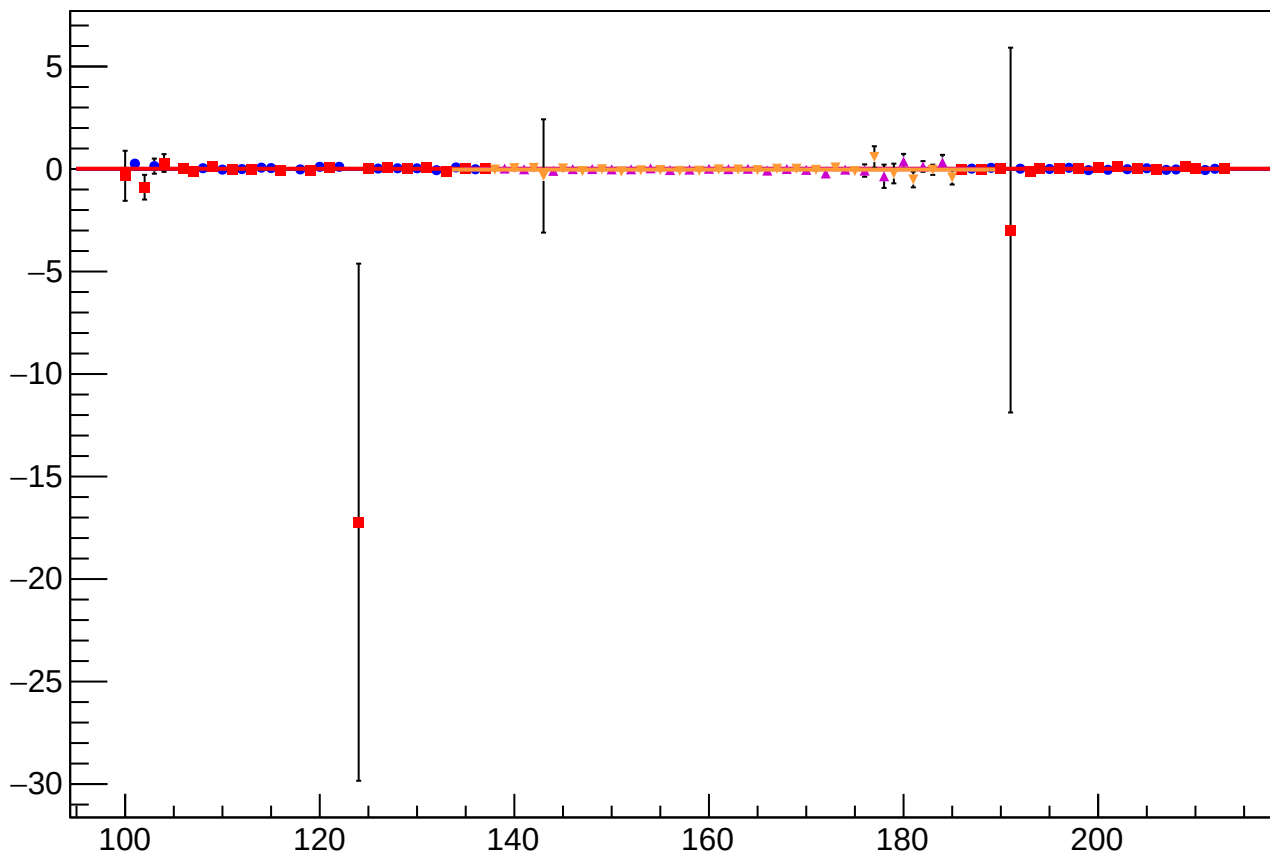
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861199.1/53

All: 36.321+/-0.004 χ^2/NDF : 31038323.2/110

- sign 36.379+/-0.005 χ^2/NDF : 15176858.1/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2 /NDF: 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2 /NDF: 26.8/33

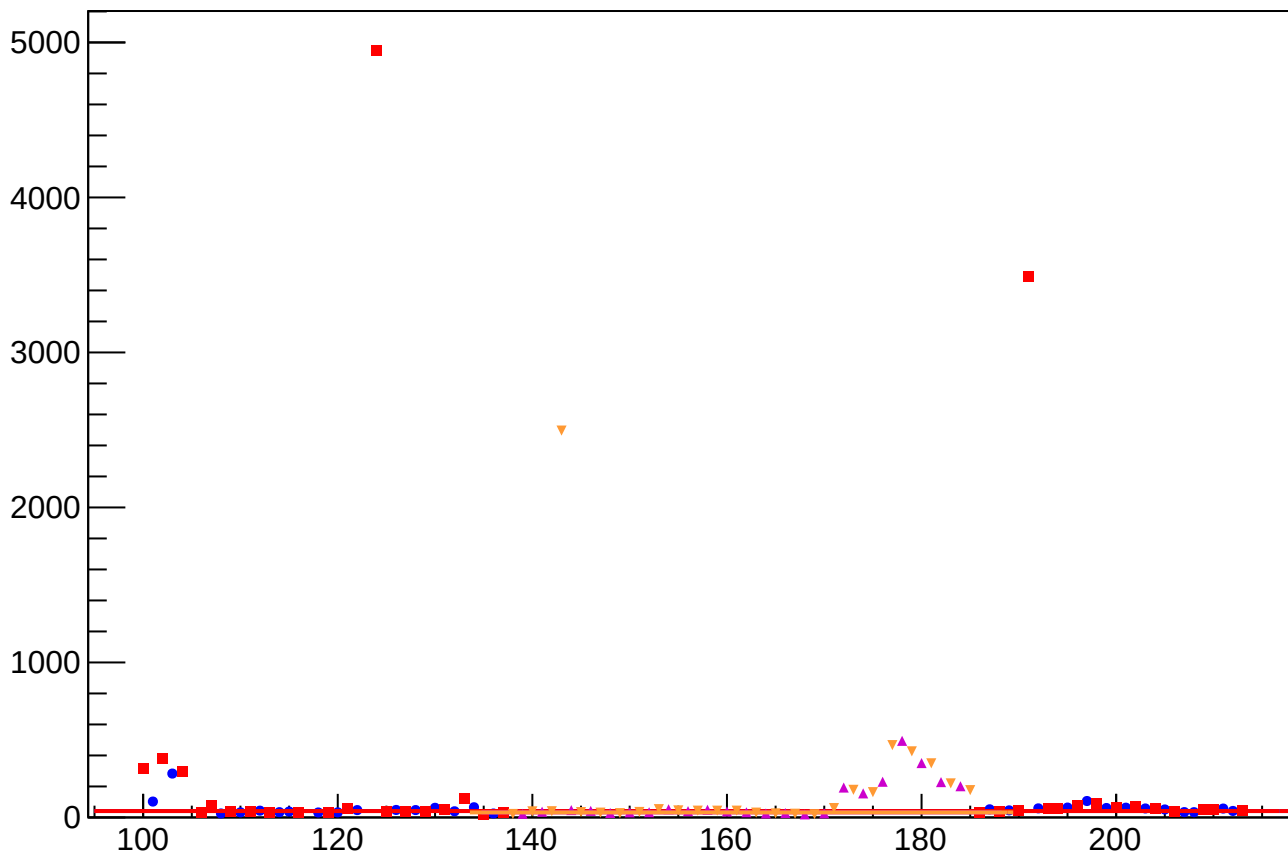
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.7/53

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/56

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250536.7/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523237.2/33

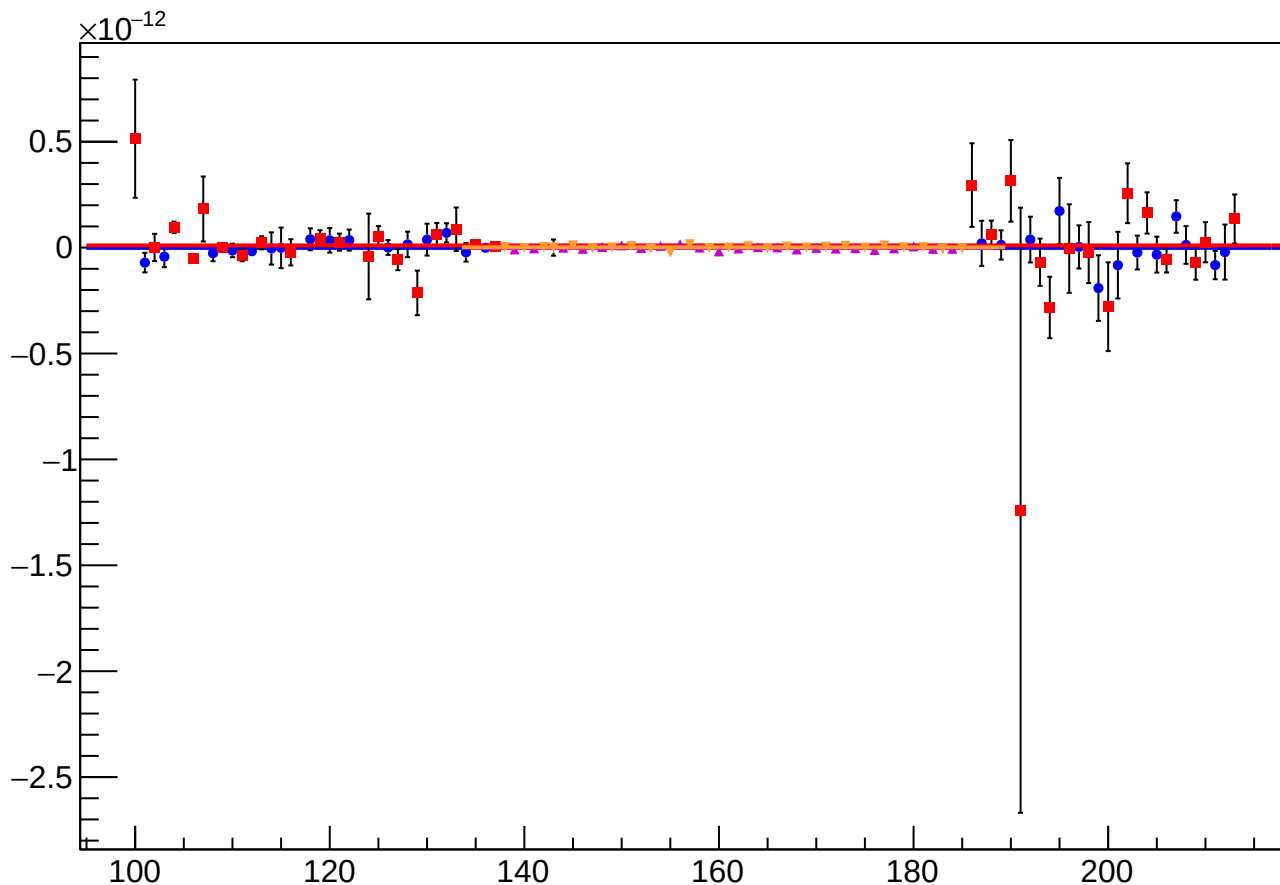
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861199.1/53

All: 36.321+/-0.004 χ^2/NDF : 31038323.2/110

- sign 36.379+/-0.005 χ^2/NDF : 15176858.1/56

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 61.5/33

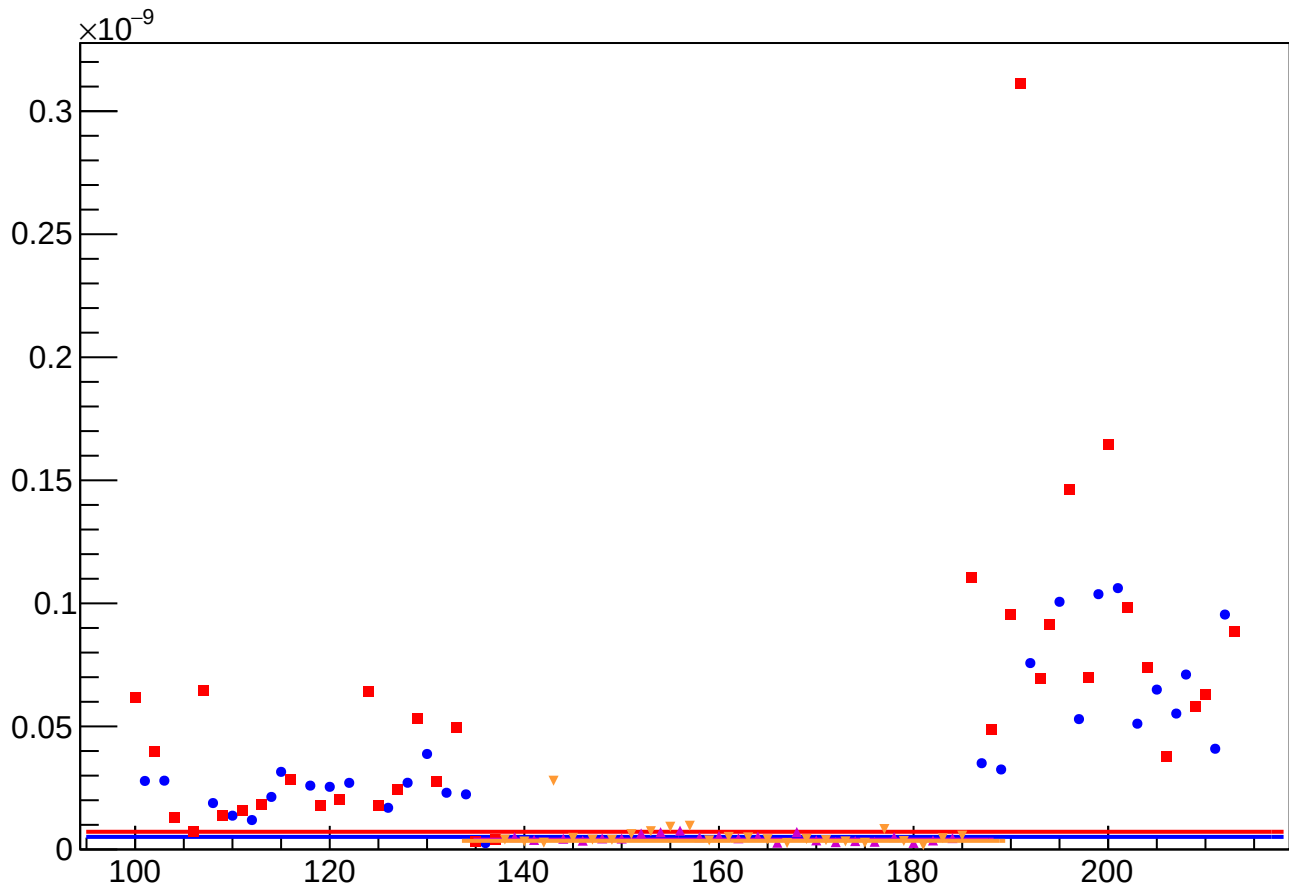
Left In: -0.000 ± 0.000 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 36.0/53

All: 0.000 ± 0.000 χ^2/NDF : 134.7/110

- sign -0.000 ± 0.000 χ^2/NDF : 97.5/56

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14526832.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15413887.2/33

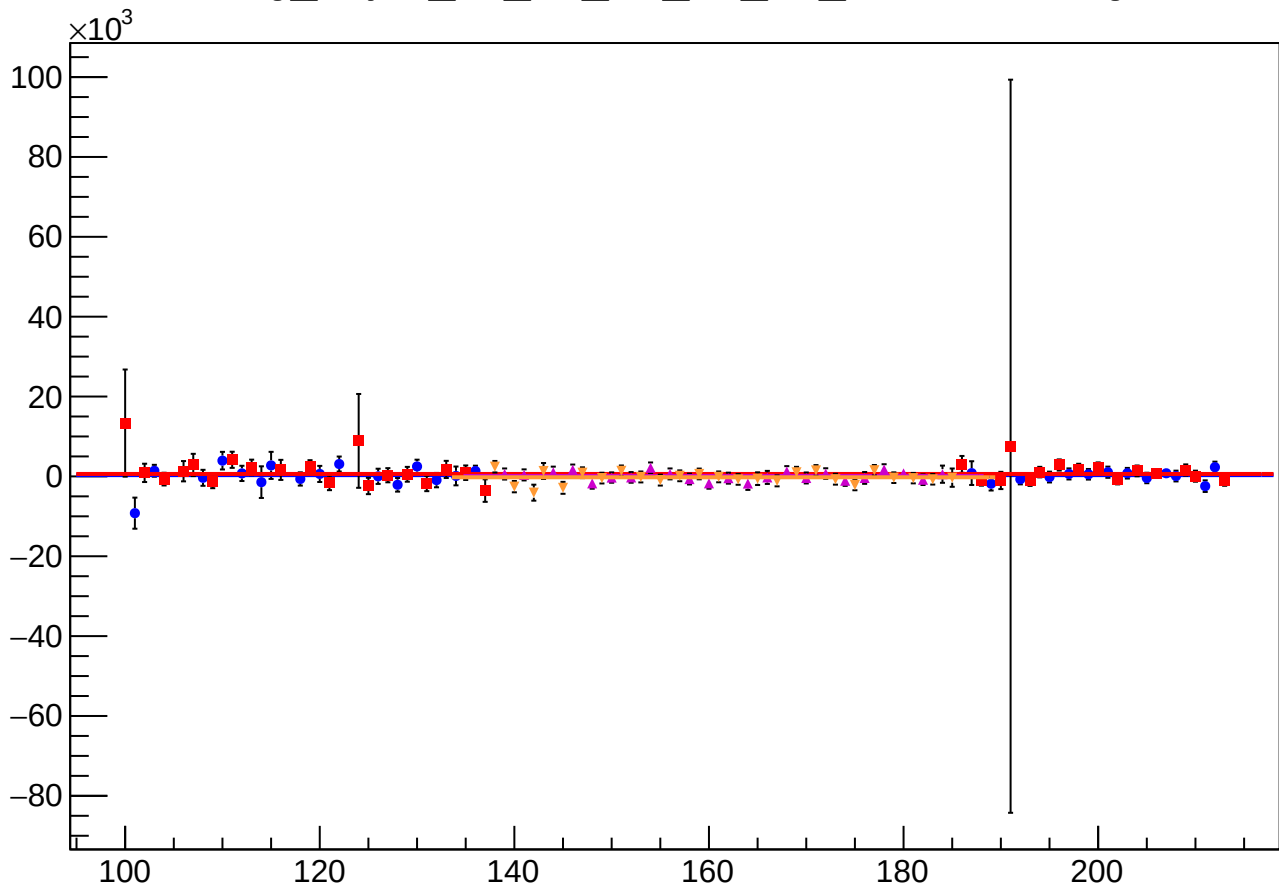
Left In: 0.000+/-0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 19624771.8/53

All: 0.000+/-0.000 χ^2/NDF : 38521863.8/110

- sign 0.000+/-0.000 χ^2/NDF : 18609567.3/56

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 317.126 $\pm$ 303.954 χ^2 /NDF: 26.4/28

Left Out: -220.721 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 610.508 $\pm$ 296.068 χ^2 /NDF: 29.5/33

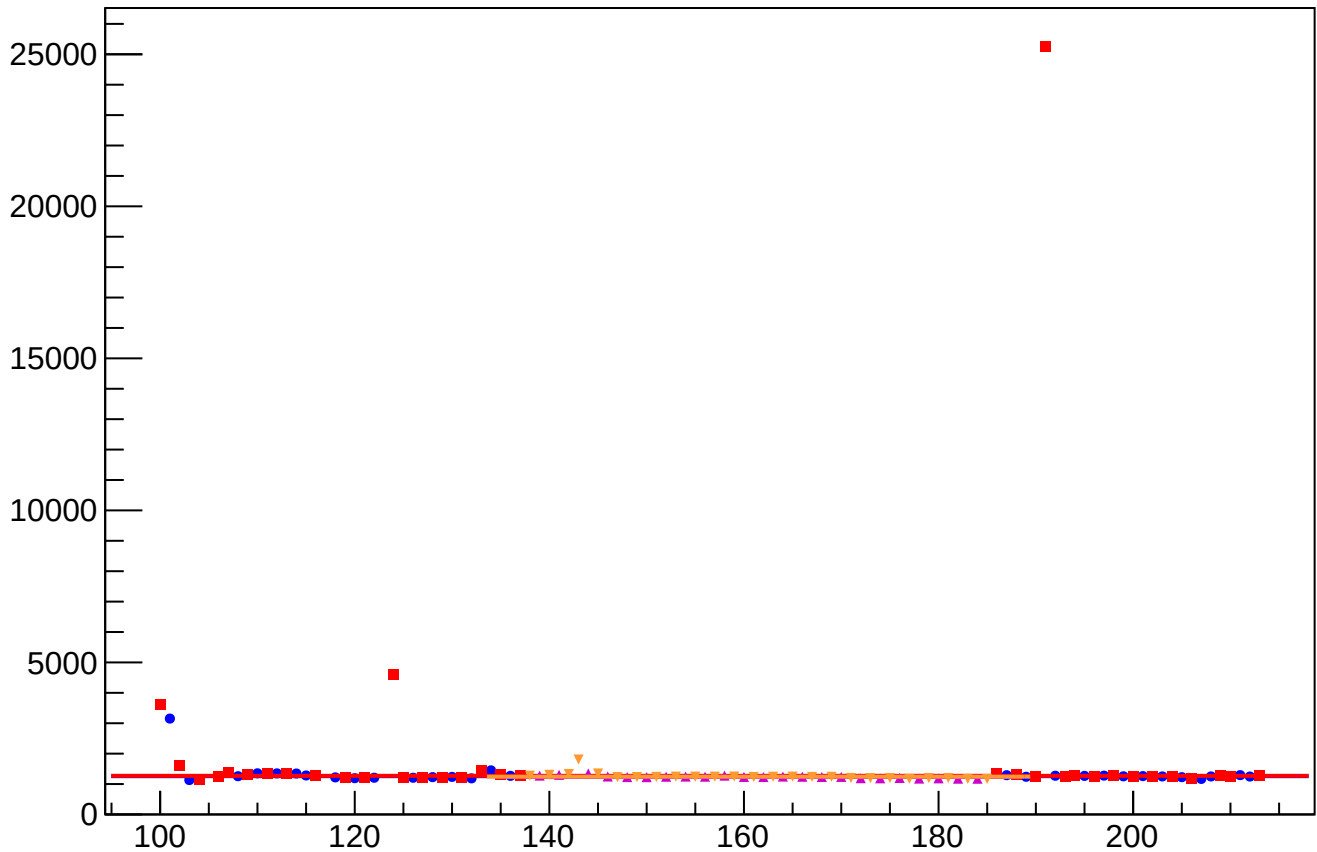
Left In: 92.402 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 29.077 $\pm$ 207.145 χ^2 /NDF: 52.0/53

All: 187.262 $\pm$ 146.252 χ^2 /NDF: 98.9/110

- sign 344.495 $\pm$ 206.520 χ^2 /NDF: 45.8/56

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535192.0/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.368 $\pm$ 0.209 χ^2 /NDF: 486683.8/33

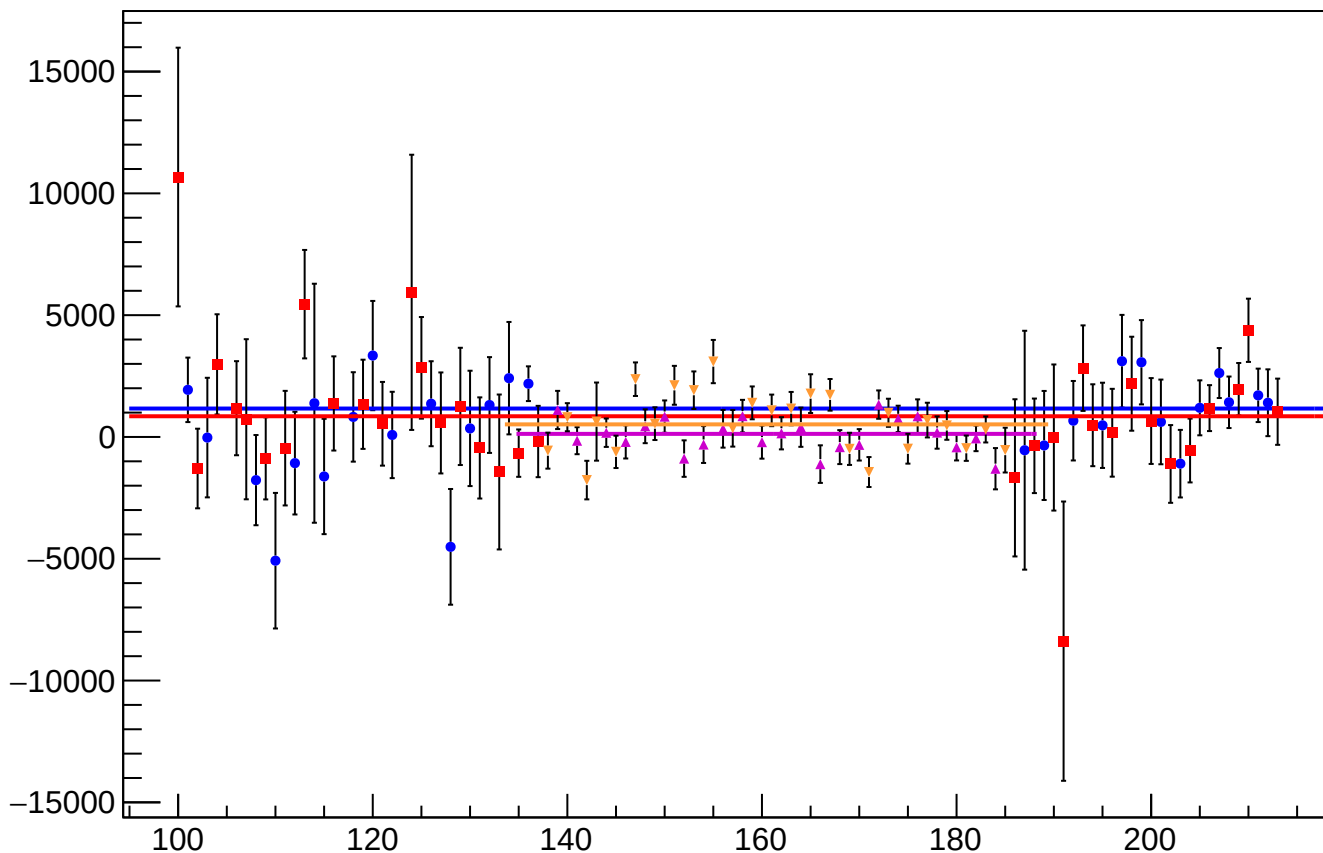
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.8/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741529.6/53

All: 1250.958 $\pm$ 0.103 χ^2 /NDF: 1283236.3/11

- sign 1251.568 $\pm$ 0.146 χ^2 /NDF: 541671.6/56

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 1166.738 $\pm$ 289.728 χ^2 /NDF: 28.4/28

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 849.942 $\pm$ 296.847 χ^2 /NDF: 34.6/33

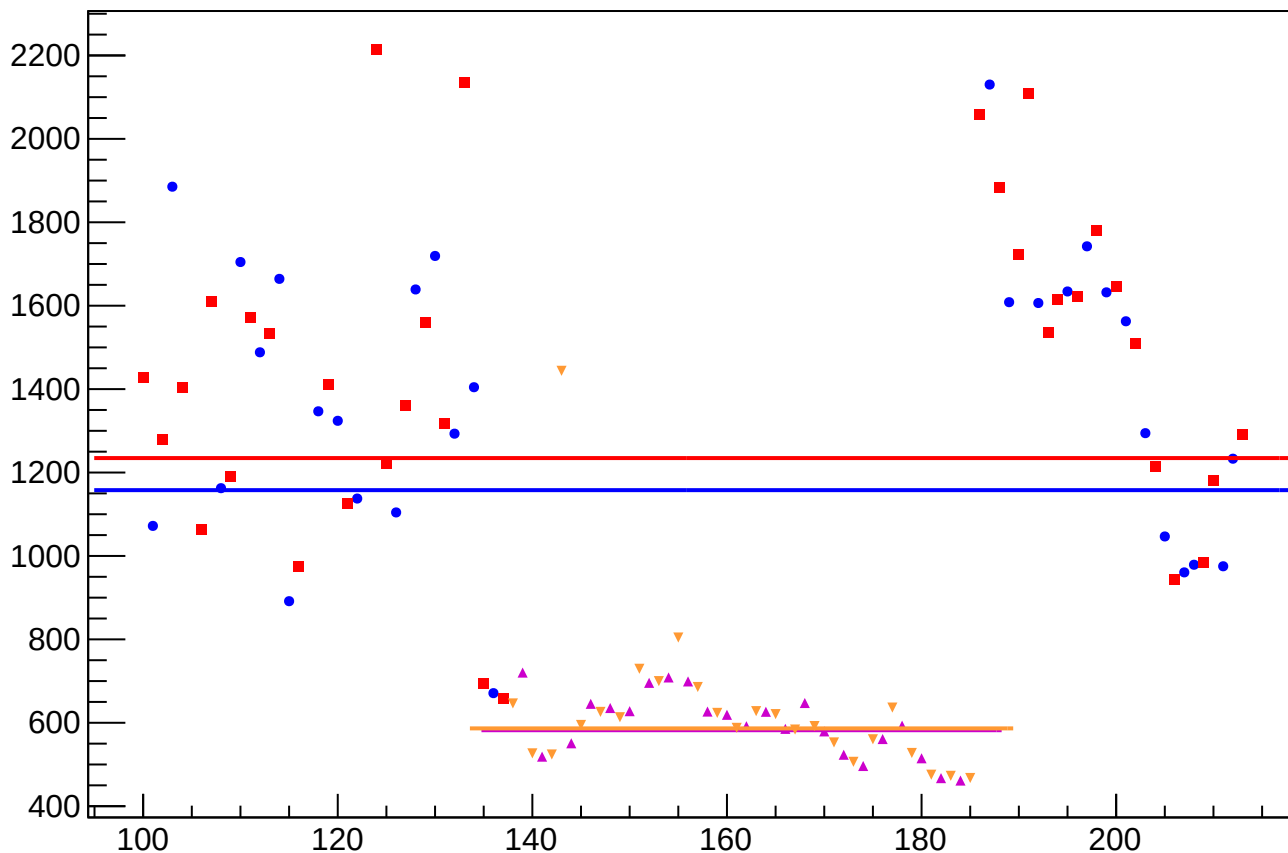
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 633.786 $\pm$ 122.923 χ^2 /NDF: 99.5/53

All: 446.451 $\pm$ 87.503 χ^2 /NDF: 165.2/110

- sign 253.998 $\pm$ 124.591 χ^2 /NDF: 61.0/56

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1157.761 $\pm$ 0.205 χ^2 /NDF: 2688906.9/28

Left Out: 586.557 $\pm$ 0.096 χ^2 /NDF: 1202915.7/24

Right Out: 1234.671 $\pm$ 0.210 χ^2 /NDF: 2737754.5/33

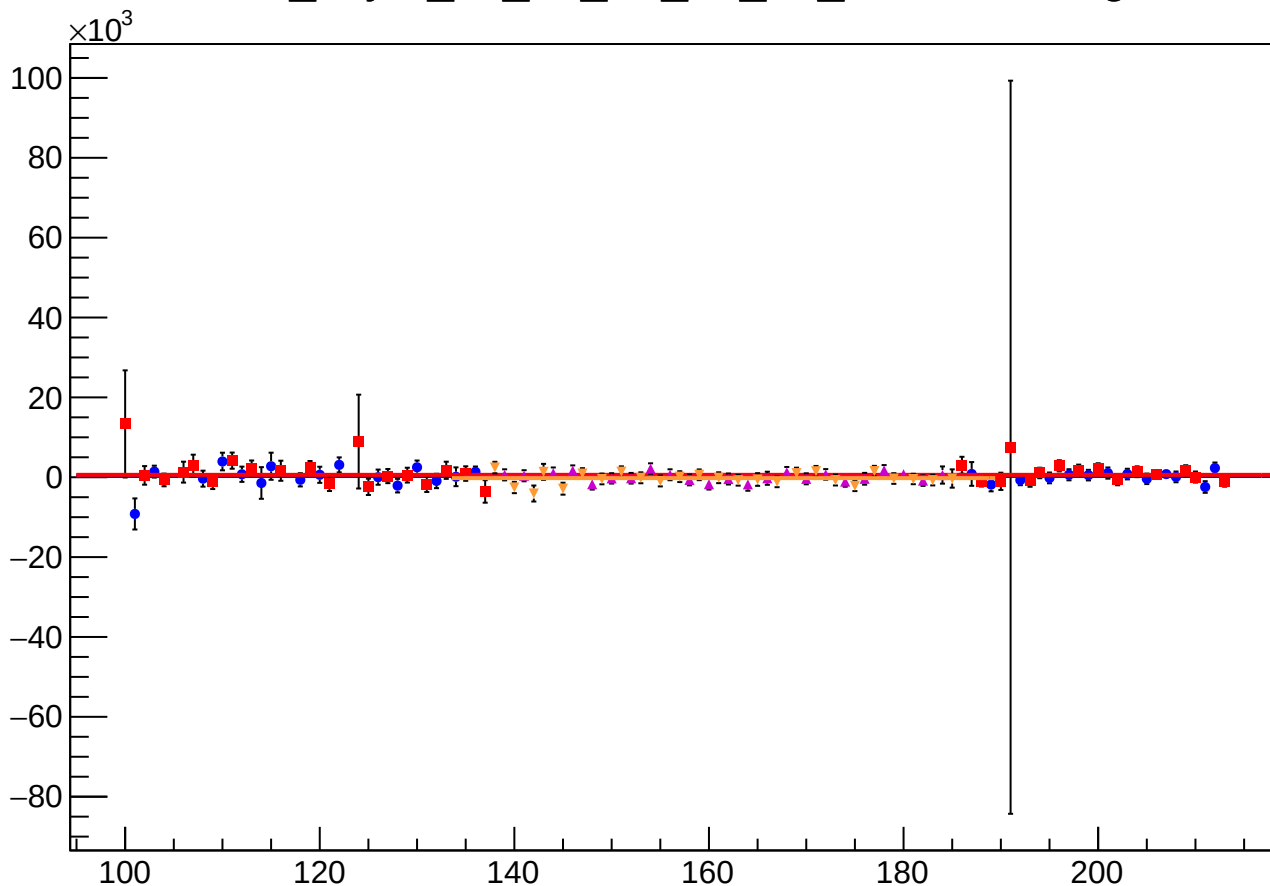
Left In: 582.190 $\pm$ 0.097 χ^2 /NDF: 559261.3/22

+ sign 689.377 $\pm$ 0.087 χ^2 /NDF: 10266264.0/53

All: 693.202 $\pm$ 0.062 χ^2 /NDF: 21527763.4/11

- sign 697.131 $\pm$ 0.088 χ^2 /NDF: 11257573.9/56

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 317.335 $\pm$ 303.954 χ^2 /NDF: 26.3/28

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 602.837 $\pm$ 296.258 χ^2 /NDF: 29.5/33

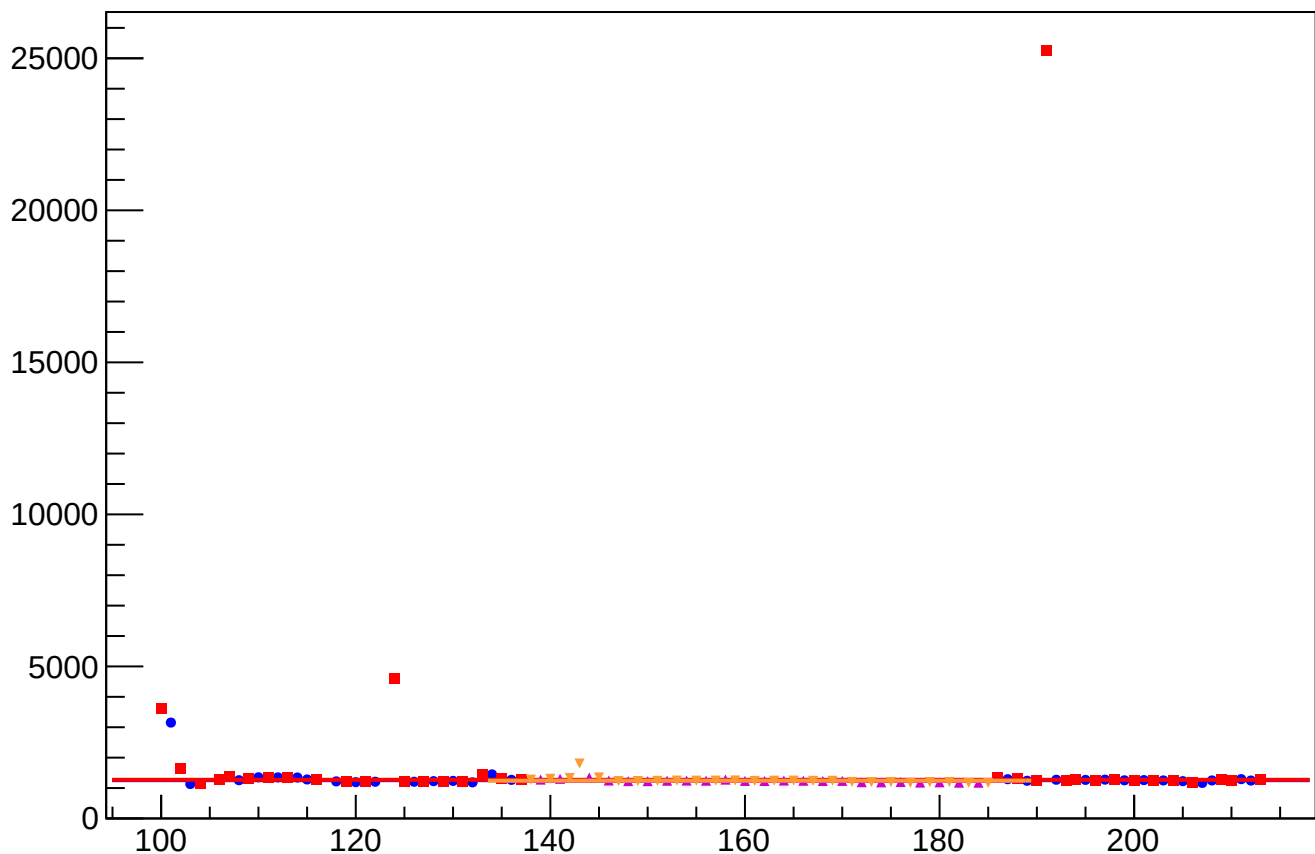
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 29.156 $\pm$ 207.145 χ^2 /NDF: 51.9/53

All: 185.317 $\pm$ 146.275 χ^2 /NDF: 98.8/110

- sign 340.634 $\pm$ 206.585 χ^2 /NDF: 45.7/56

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535193.4/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.220 $\pm$ 0.209 χ^2 /NDF: 493838.8/33

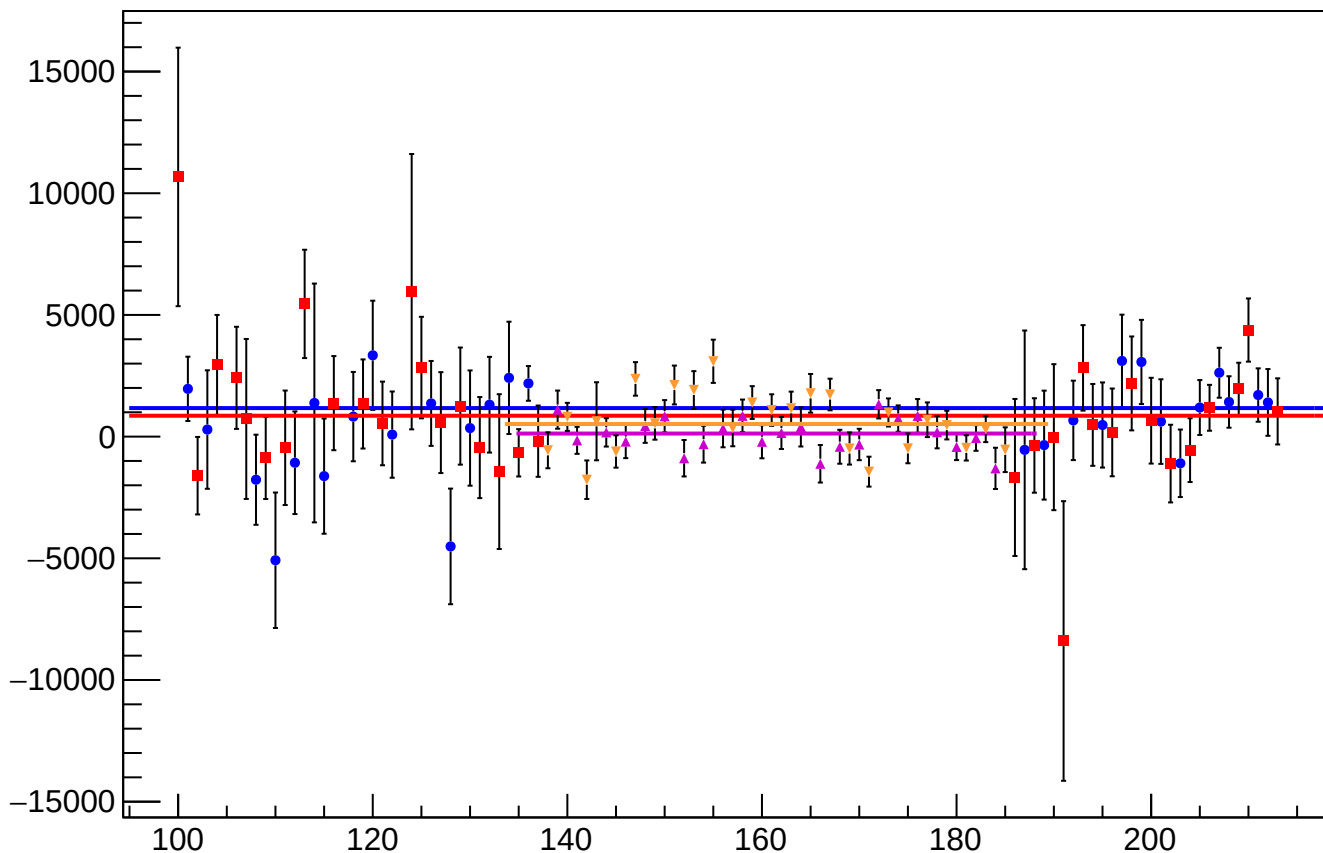
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741530.9/53

All: 1251.159 $\pm$ 0.103 χ^2 /NDF: 1291147.7/11

- sign 1251.971 $\pm$ 0.146 χ^2 /NDF: 549554.9/56

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 1172.423 $\pm$ 289.672 χ^2 /NDF: 28.3/28

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 858.389 $\pm$ 297.110 χ^2 /NDF: 35.7/33

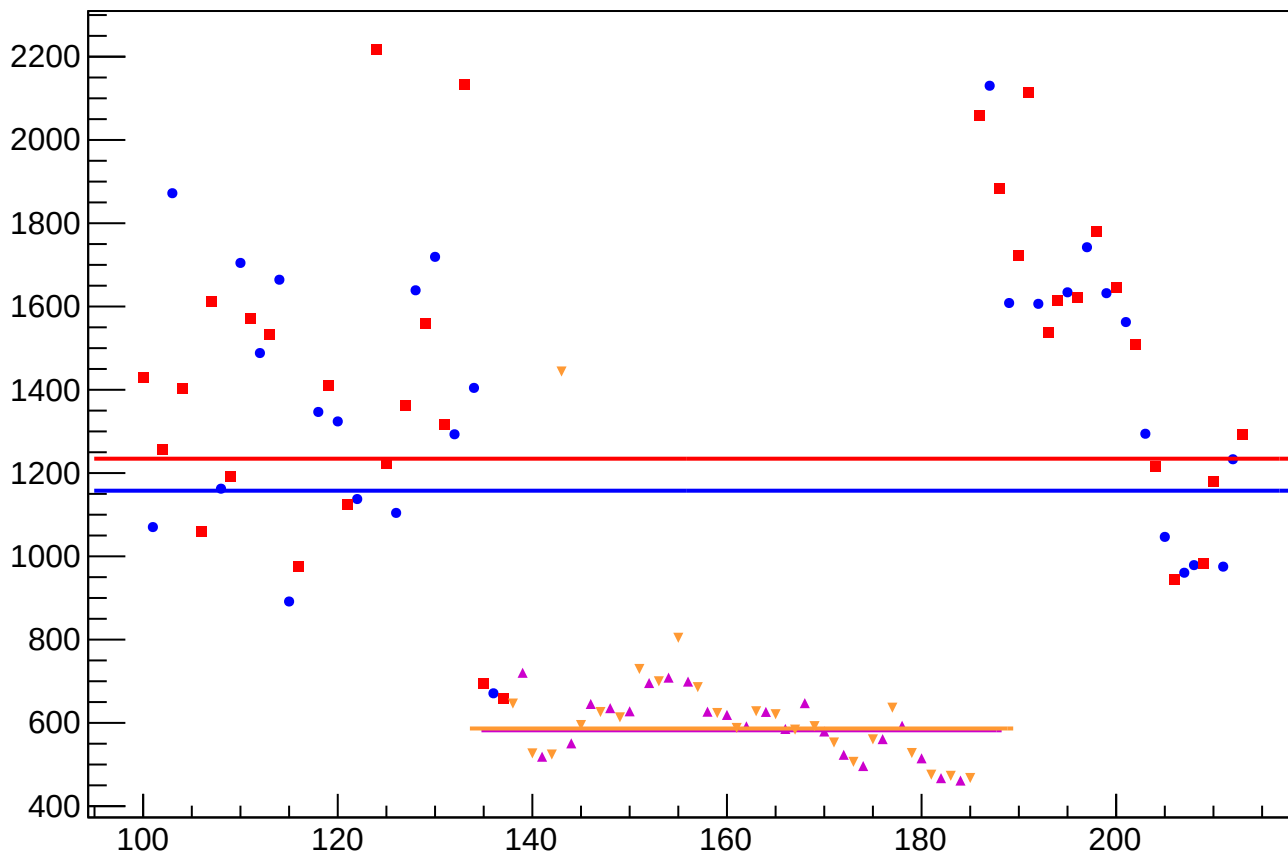
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 634.863 $\pm$ 122.919 χ^2 /NDF: 99.5/53

All: 447.664 $\pm$ 87.509 χ^2 /NDF: 166.5/110

- sign 255.281 $\pm$ 124.610 χ^2 /NDF: 62.3/56

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1157.642 $\pm$ 0.205 χ^2 /NDF: 2685791.4/28

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1234.519 $\pm$ 0.210 χ^2 /NDF: 2735110.5/33

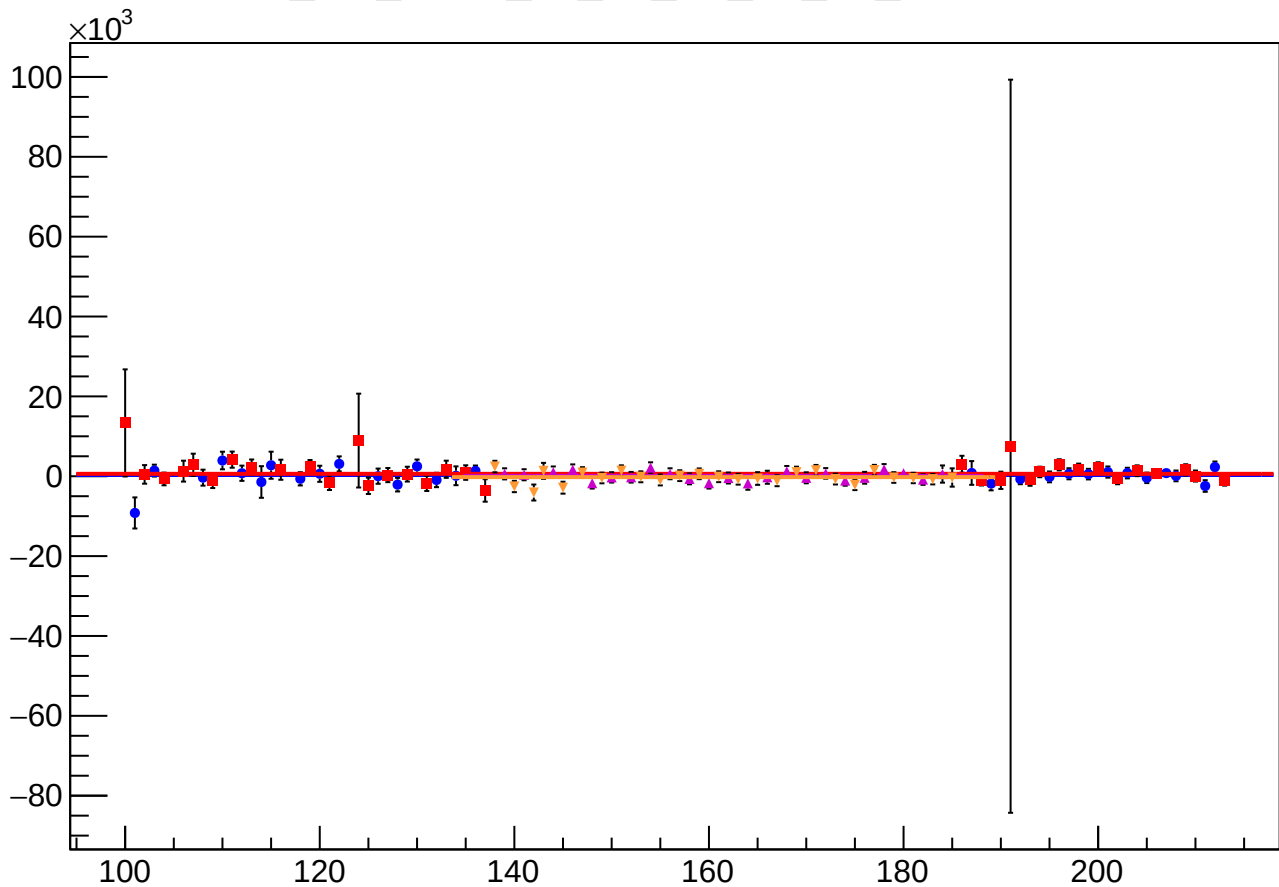
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 689.393 $\pm$ 0.087 χ^2 /NDF: 10262300.8/53

All: 693.112 $\pm$ 0.062 χ^2 /NDF: 21505668.6/11

- sign 696.934 $\pm$ 0.088 χ^2 /NDF: 11239655.1/56

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 317.335 $\pm$ 303.954 χ^2 /NDF: 26.3/28

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 602.837 $\pm$ 296.258 χ^2 /NDF: 29.5/33

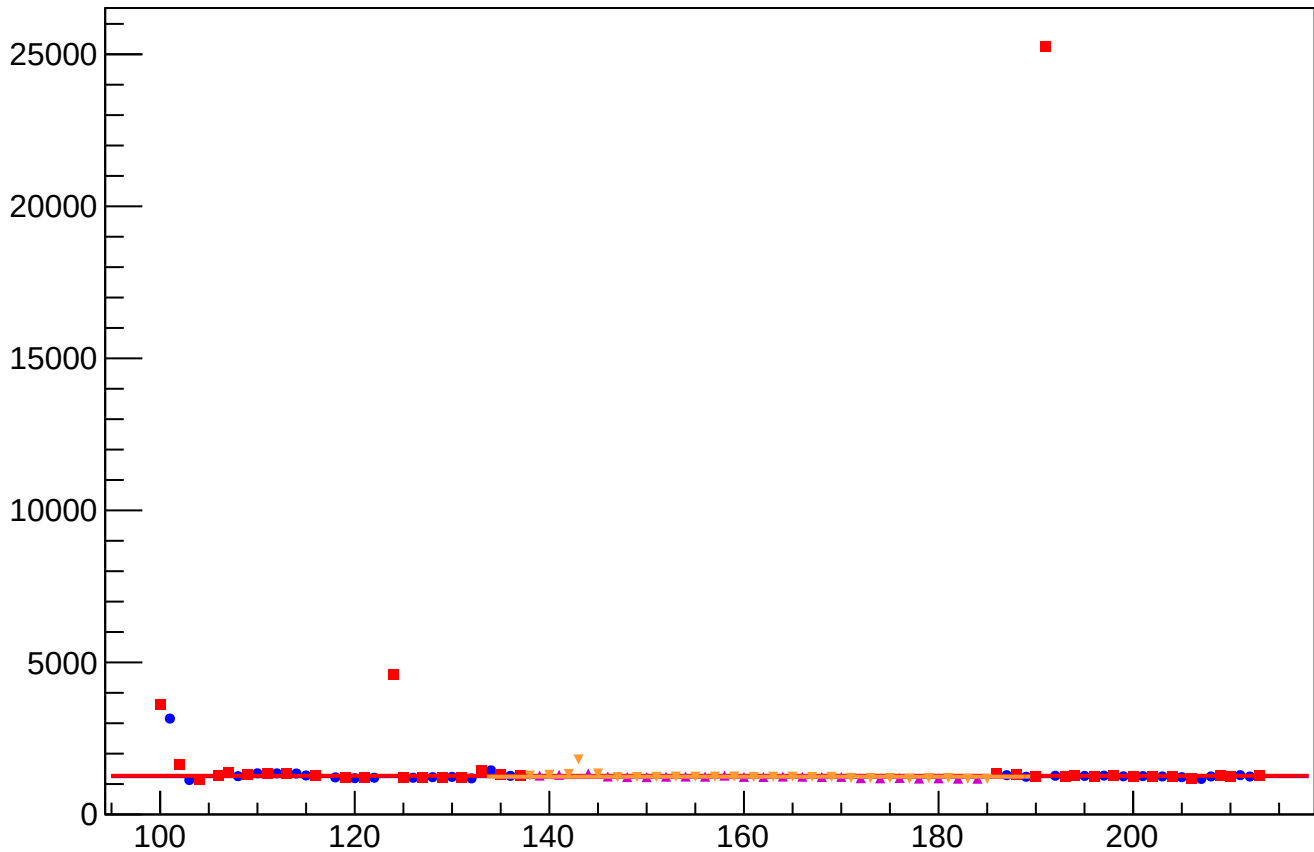
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 29.156 $\pm$ 207.145 χ^2 /NDF: 51.9/53

All: 185.317 $\pm$ 146.275 χ^2 /NDF: 98.8/110

- sign 340.634 $\pm$ 206.585 χ^2 /NDF: 45.7/56

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535193.4/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.220 $\pm$ 0.209 χ^2 /NDF: 493838.8/33

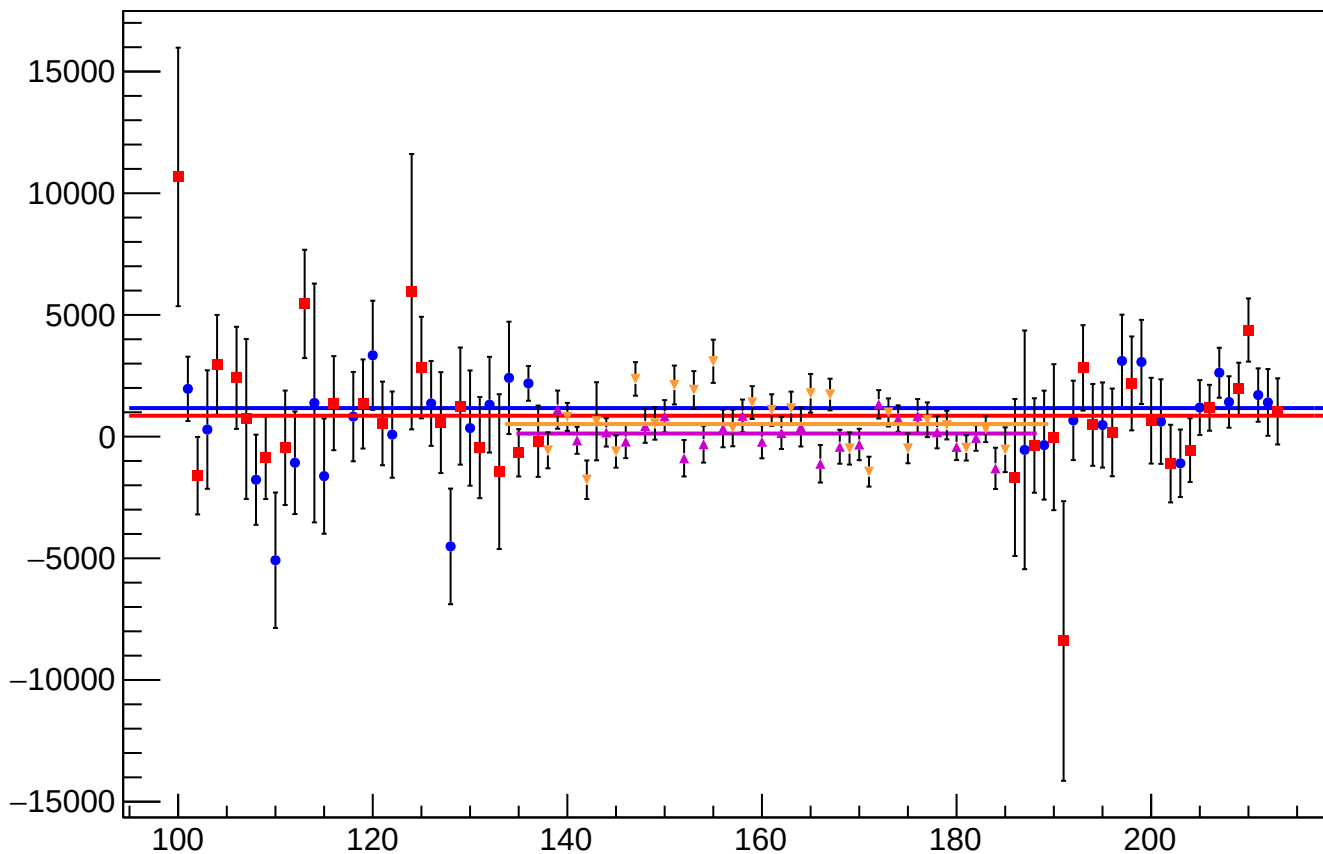
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741530.9/53

All: 1251.159 $\pm$ 0.103 χ^2 /NDF: 1291147.7/11

- sign 1251.971 $\pm$ 0.146 χ^2 /NDF: 549554.9/56

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 1172.423+/-289.672 χ^2/NDF : 28.3/28

Left Out: 516.811+/-135.747 χ^2/NDF : 67.0/24

Right Out: 858.389+/-297.110 χ^2/NDF : 35.7/33

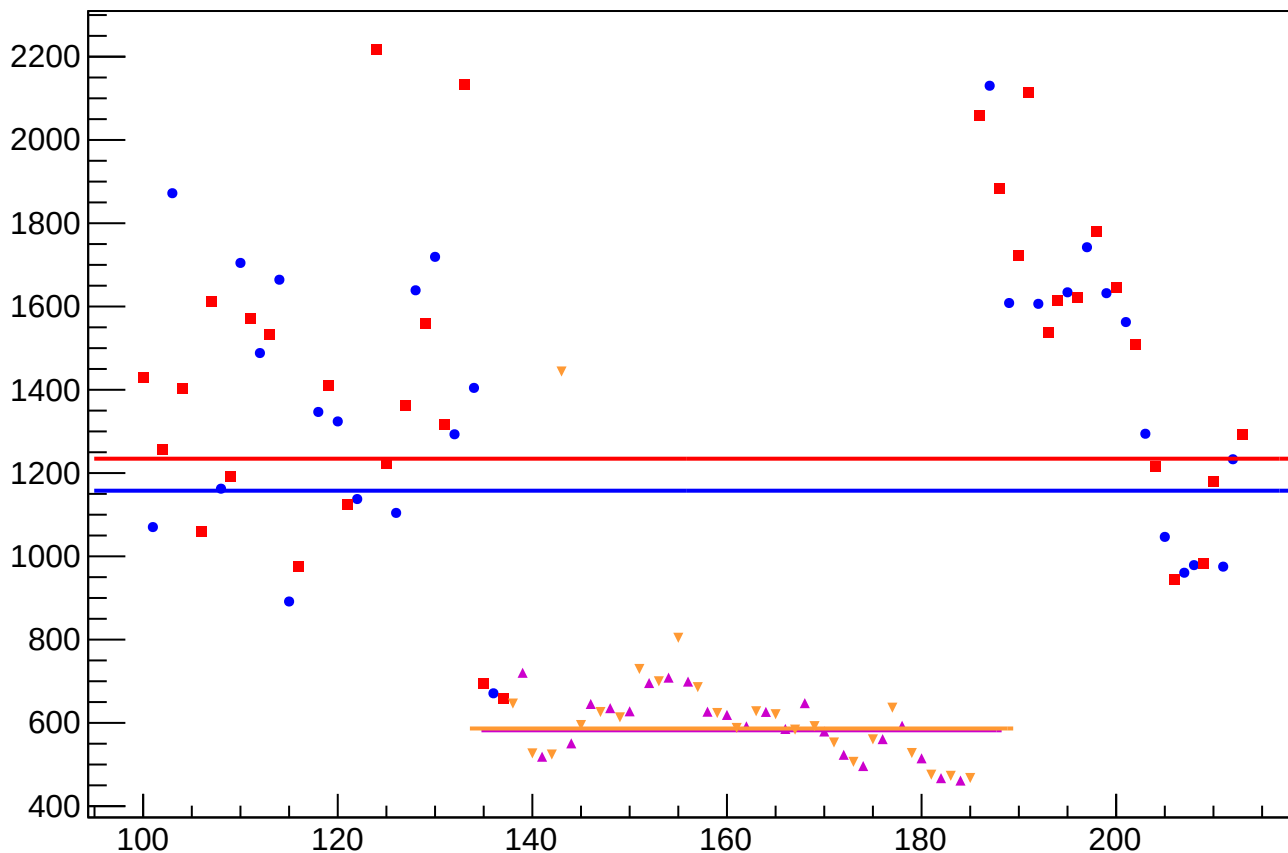
Left In: 126.549+/-137.266 χ^2/NDF : 21.6/22

+ sign 634.863+/-122.919 χ^2/NDF : 99.5/53

All: 447.664+/-87.509 χ^2/NDF : 166.5/110

- sign 255.281+/-124.610 χ^2/NDF : 62.3/56

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1157.642 $\pm$ 0.205 χ^2/NDF : 2685791.4/28

Left Out: 586.562 $\pm$ 0.096 χ^2/NDF :1202822.0/24

Right Out: 1234.519 $\pm$ 0.210 χ^2/NDF : 2735110.5/33

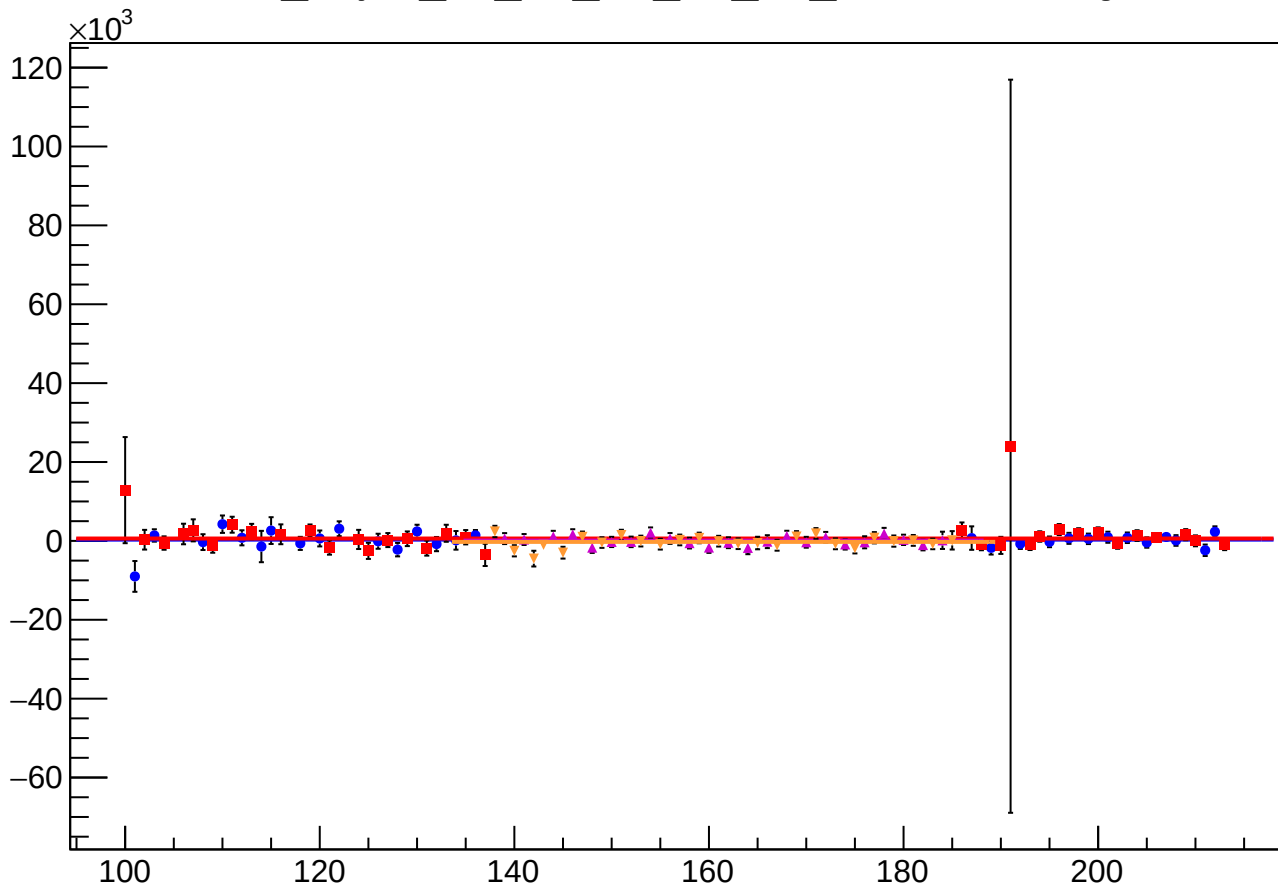
Left In: 582.189 $\pm$ 0.097 χ^2/NDF :559258.0/22

+ sign 689.393 $\pm$ 0.087 χ^2/NDF : 10262300.8/53

All: 693.112 $\pm$ 0.062 χ^2/NDF : 21505668.6/1

- sign 696.934 $\pm$ 0.088 χ^2/NDF : 11239655.1/56

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 323.605 $\pm$ 304.934 χ^2 /NDF: 26.3/28

Left Out: -250.849 $\pm$ 279.923 χ^2 /NDF:24.0/24

Right Out: 600.486 $\pm$ 295.575 χ^2 /NDF: 29.0/33

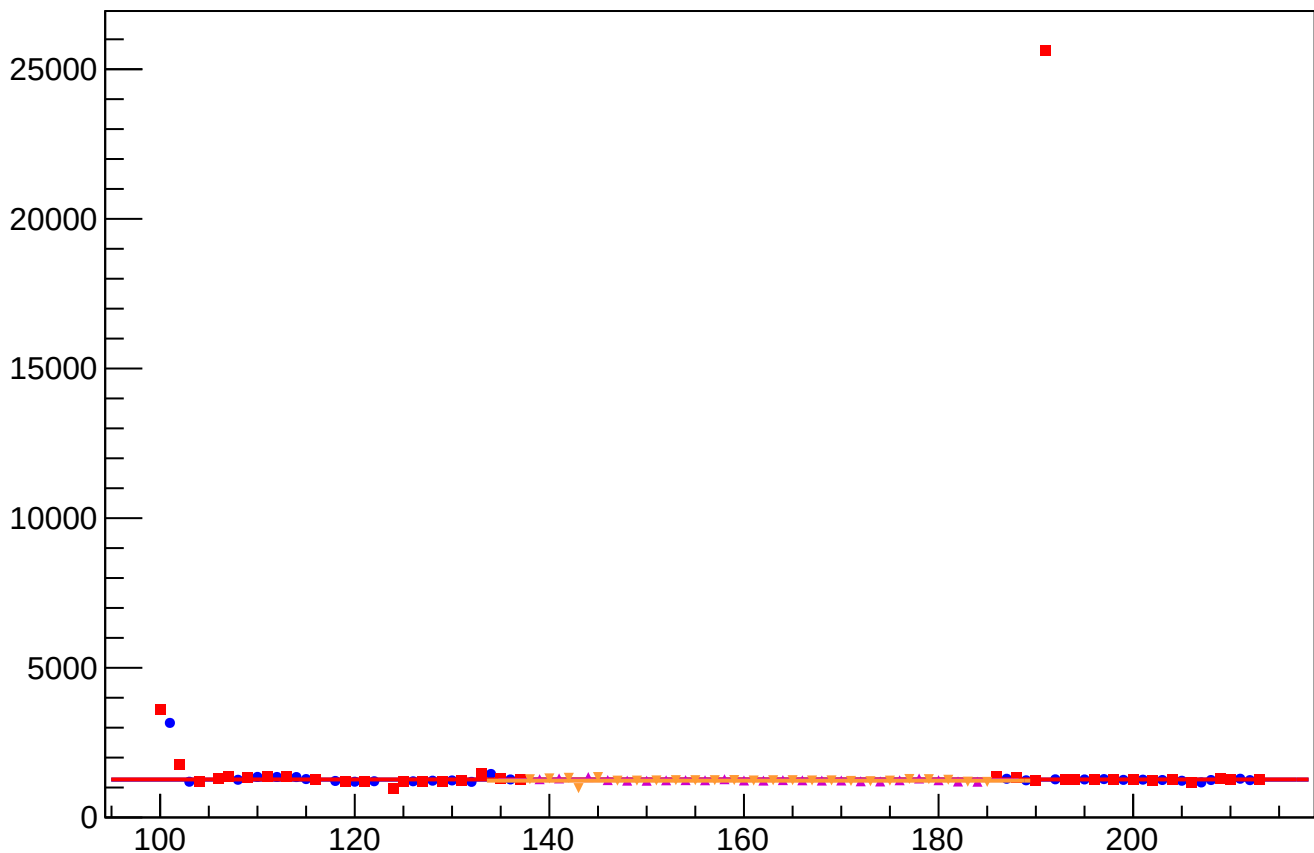
Left In: 74.881 $\pm$ 291.458 χ^2 /NDF:14.0/22

+ sign 11.856 $\pm$ 206.212 χ^2 /NDF: 52.3/53

All: 171.899 $\pm$ 146.278 χ^2 /NDF: 98.1/110

- sign 333.998 $\pm$ 207.532 χ^2 /NDF: 44.6/56

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.241 $\pm$ 0.216 χ^2 /NDF: 525121.0/28

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141607.5/24

Right Out: 1269.823 $\pm$ 0.209 χ^2 /NDF: 385102.1/33

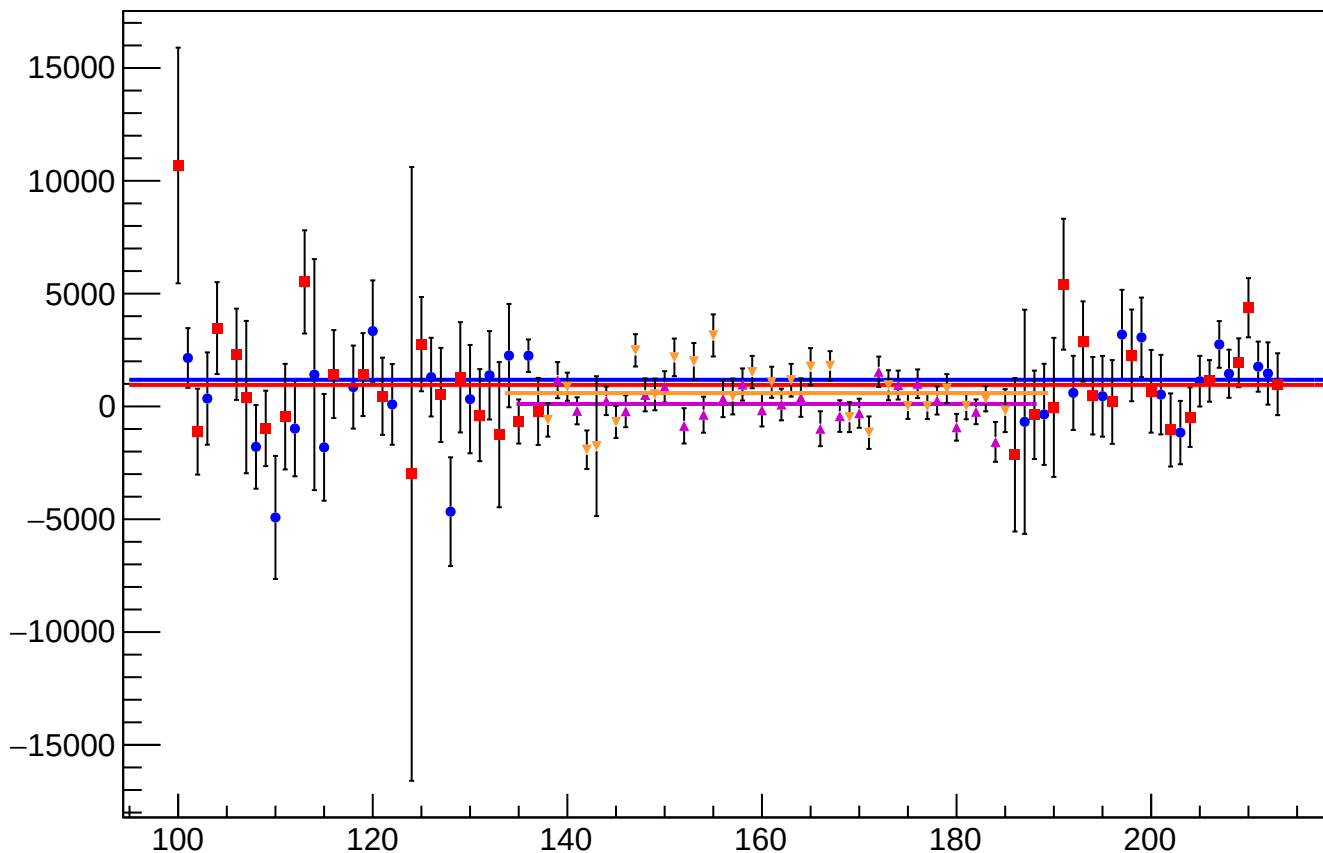
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.8/22

+ sign 1245.194 $\pm$ 0.146 χ^2 /NDF: 679637.0/53

All: 1251.879 $\pm$ 0.103 χ^2 /NDF: 1101947.6/110

- sign 1258.650 $\pm$ 0.147 χ^2 /NDF: 418079.9/56

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 1181.636 $\pm$ 291.106 χ^2 /NDF: 29.3/28

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 955.684 $\pm$ 299.553 χ^2 /NDF: 33.7/33

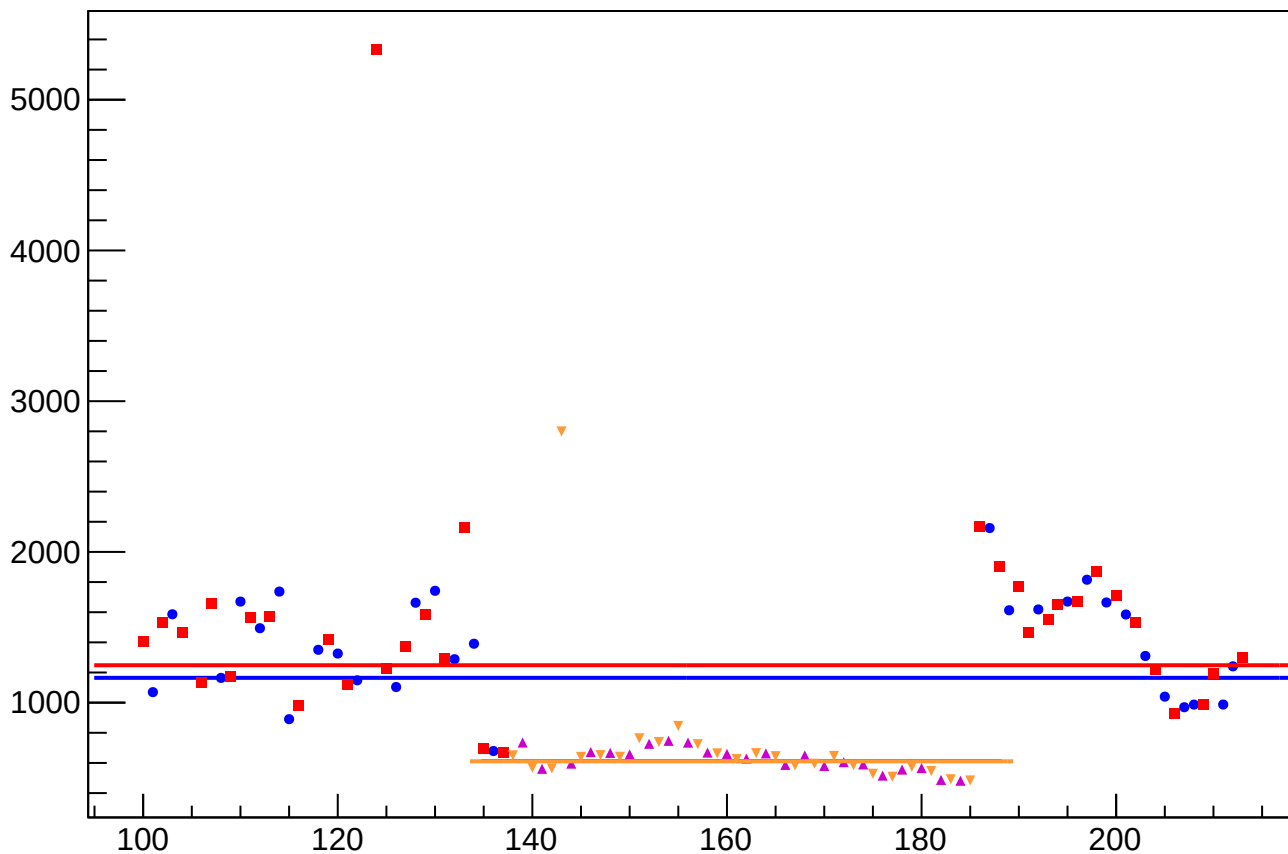
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 707.924 $\pm$ 127.720 χ^2 /NDF: 89.9/53

All: 492.444 $\pm$ 91.091 χ^2 /NDF: 161.6/110

- sign 269.365 $\pm$ 129.953 χ^2 /NDF: 65.9/56

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1164.609 $\pm$ 0.206 χ^2 /NDF: 2624929.2/28

Left Out: 611.087 $\pm$ 0.101 χ^2 /NDF: 1619322.3/24

Right Out: 1248.155 $\pm$ 0.212 χ^2 /NDF: 3030885.4/33

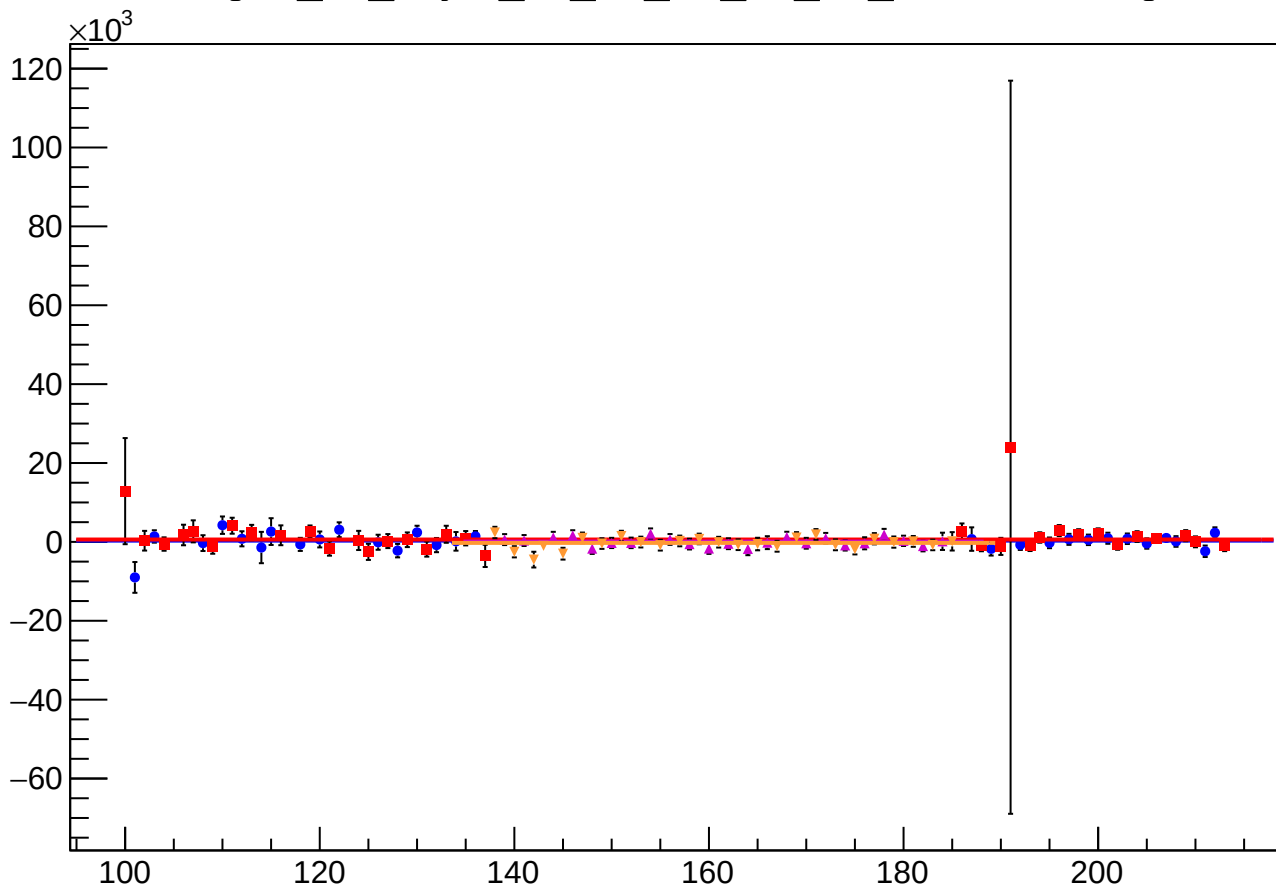
Left In: 612.399 $\pm$ 0.102 χ^2 /NDF: 508595.4/22

+ sign 717.636 $\pm$ 0.090 χ^2 /NDF: 10083302.6/53

All: 724.718 $\pm$ 0.064 χ^2 /NDF: 20948572.3/11

- sign 732.050 $\pm$ 0.092 χ^2 /NDF: 10852754.4/56

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 323.603 ± 304.934 χ^2/NDF : 26.3/28

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 600.485 ± 295.575 χ^2/NDF : 29.0/33

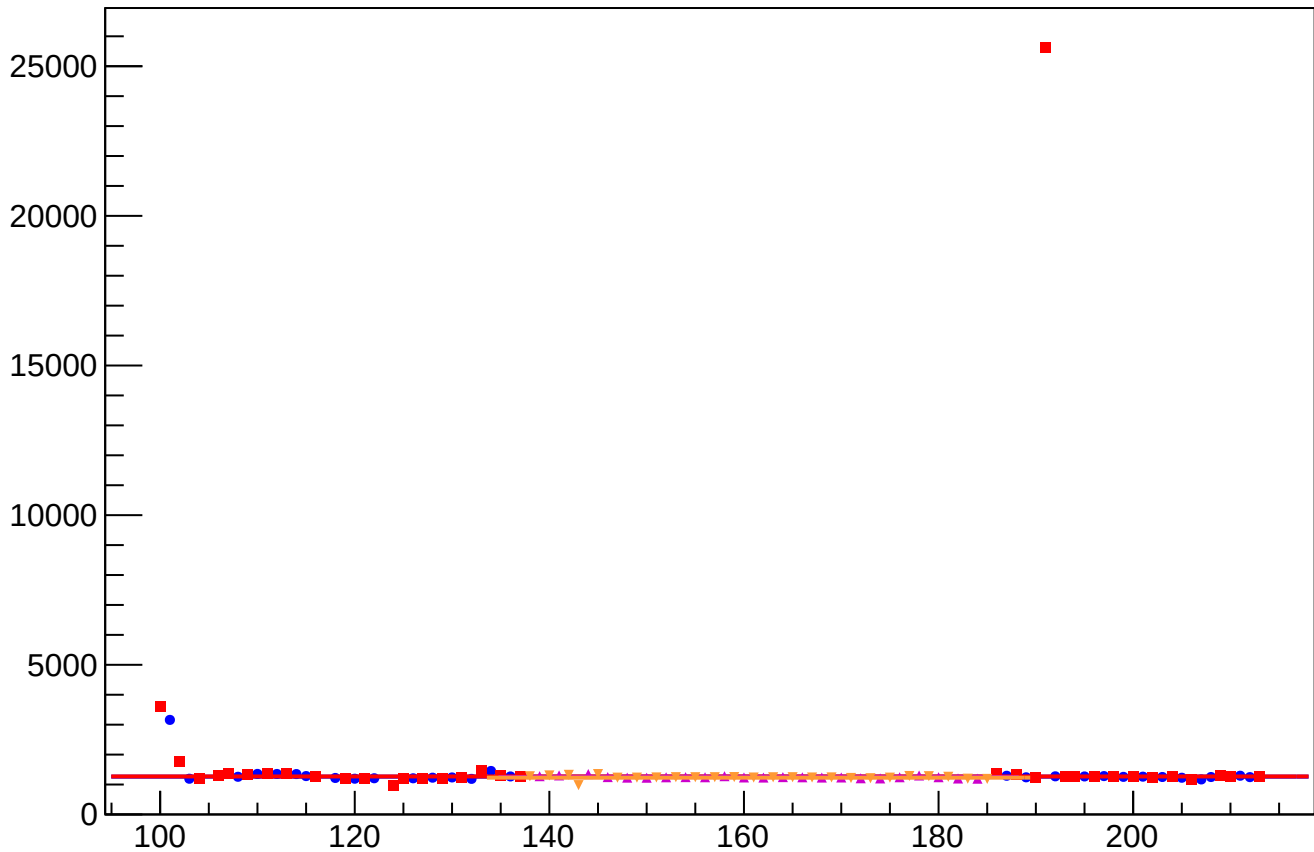
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 11.854 ± 206.212 χ^2/NDF : 52.3/53

All: 171.898 ± 146.278 χ^2/NDF : 98.1/110

- sign 333.997 ± 207.532 χ^2/NDF : 44.6/56

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.241+/-0.216 χ^2/NDF : 525121.1/28

Left Out: 1229.986+/-0.198 χ^2/NDF : 141606.6/24

Right Out: 1269.823+/-0.209 χ^2/NDF : 385101.9/33

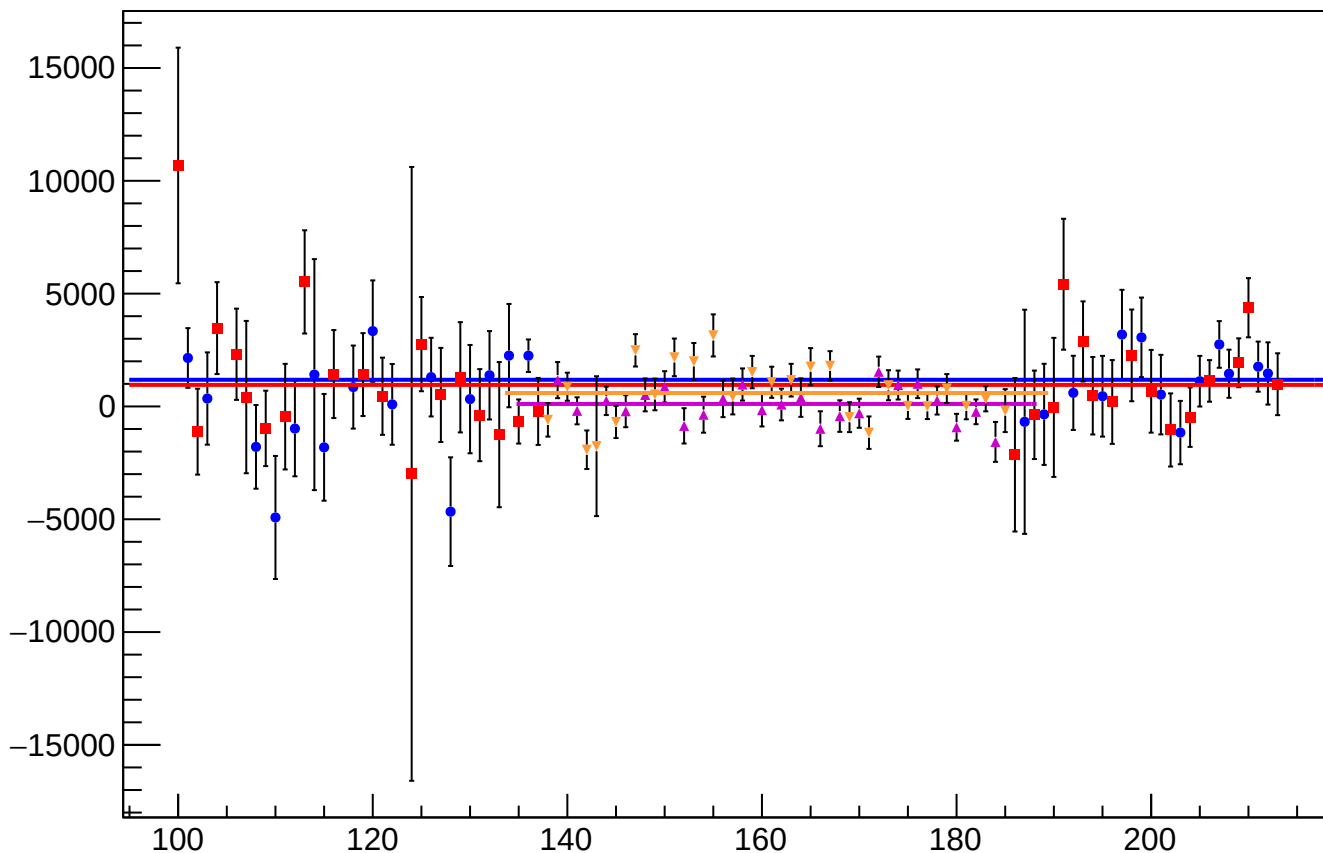
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.7/22

+ sign 1245.194+/-0.146 χ^2/NDF : 679636.2/53

All: 1251.879+/-0.103 χ^2/NDF : 1101946.5/11

- sign 1258.650+/-0.147 χ^2/NDF : 418079.7/56

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 1181.634 $\pm$ 291.106 χ^2 /NDF: 29.3/28

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 955.689 $\pm$ 299.553 χ^2 /NDF: 33.7/33

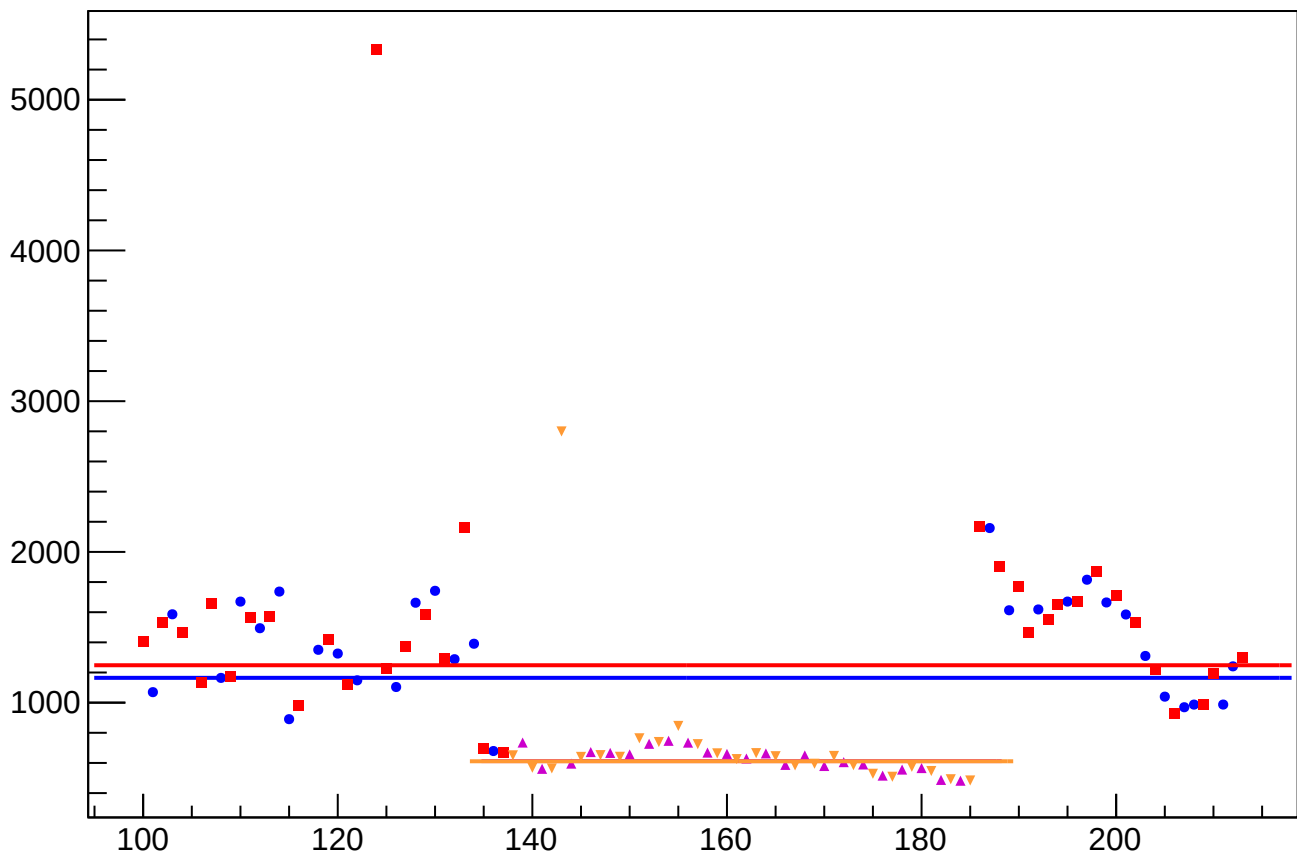
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 707.923 $\pm$ 127.720 χ^2 /NDF: 89.9/53

All: 492.443 $\pm$ 91.091 χ^2 /NDF: 161.6/110

- sign 269.364 $\pm$ 129.953 χ^2 /NDF: 65.9/56

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1164.610 $\pm$ 0.206 χ^2 /NDF: 2624871.4/28

Left Out: 611.086 $\pm$ 0.101 χ^2 /NDF: 1619319.5/24

Right Out: 1248.157 $\pm$ 0.212 χ^2 /NDF: 3030828.6/33

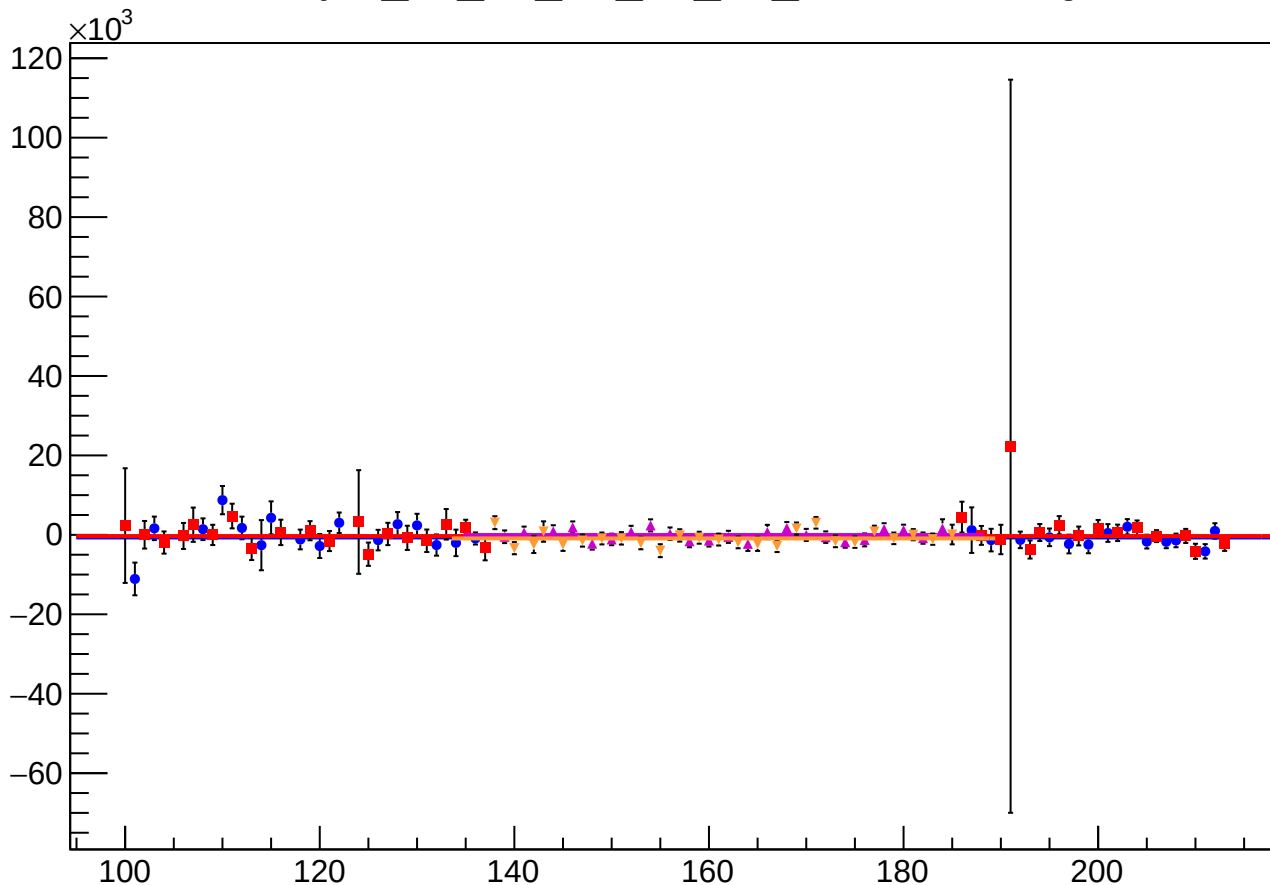
Left In: 612.398 $\pm$ 0.102 χ^2 /NDF: 508597.7/22

+ sign 717.636 $\pm$ 0.090 χ^2 /NDF: 10083274.5/53

All: 724.718 $\pm$ 0.064 χ^2 /NDF: 20948552.5/100

- sign 732.049 $\pm$ 0.092 χ^2 /NDF: 10852763.5/56

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -653.176+/-442.464 χ^2/NDF : 31.5/28

Left Out: -899.894+/-316.449 χ^2/NDF : 29.8/24

Right Out: -300.705+/-440.031 χ^2/NDF : 22.8/33

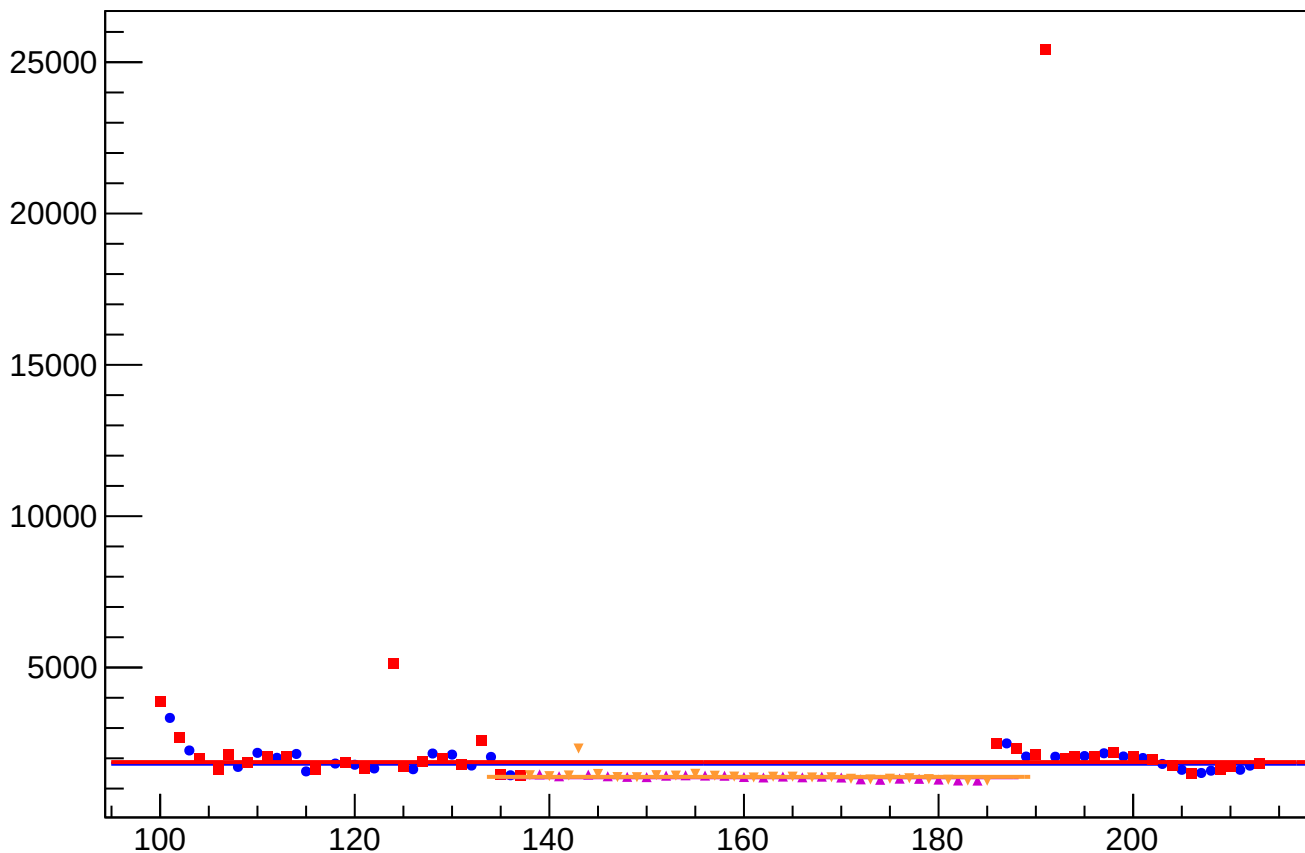
Left In: -48.178+/-320.929 χ^2/NDF : 17.9/22

+ sign -816.403+/-257.394 χ^2/NDF : 61.5/53

All: -478.633+/-182.673 χ^2/NDF : 105.8/110

- sign -135.862+/-259.293 χ^2/NDF : 40.9/56

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1821.170+/-0.313 χ^2/NDF : 892241.3/28

Left Out: 1386.845+/-0.224 χ^2/NDF : 339794.5/24

Right Out: 1874.851+/-0.311 χ^2/NDF : 1051720.1/33

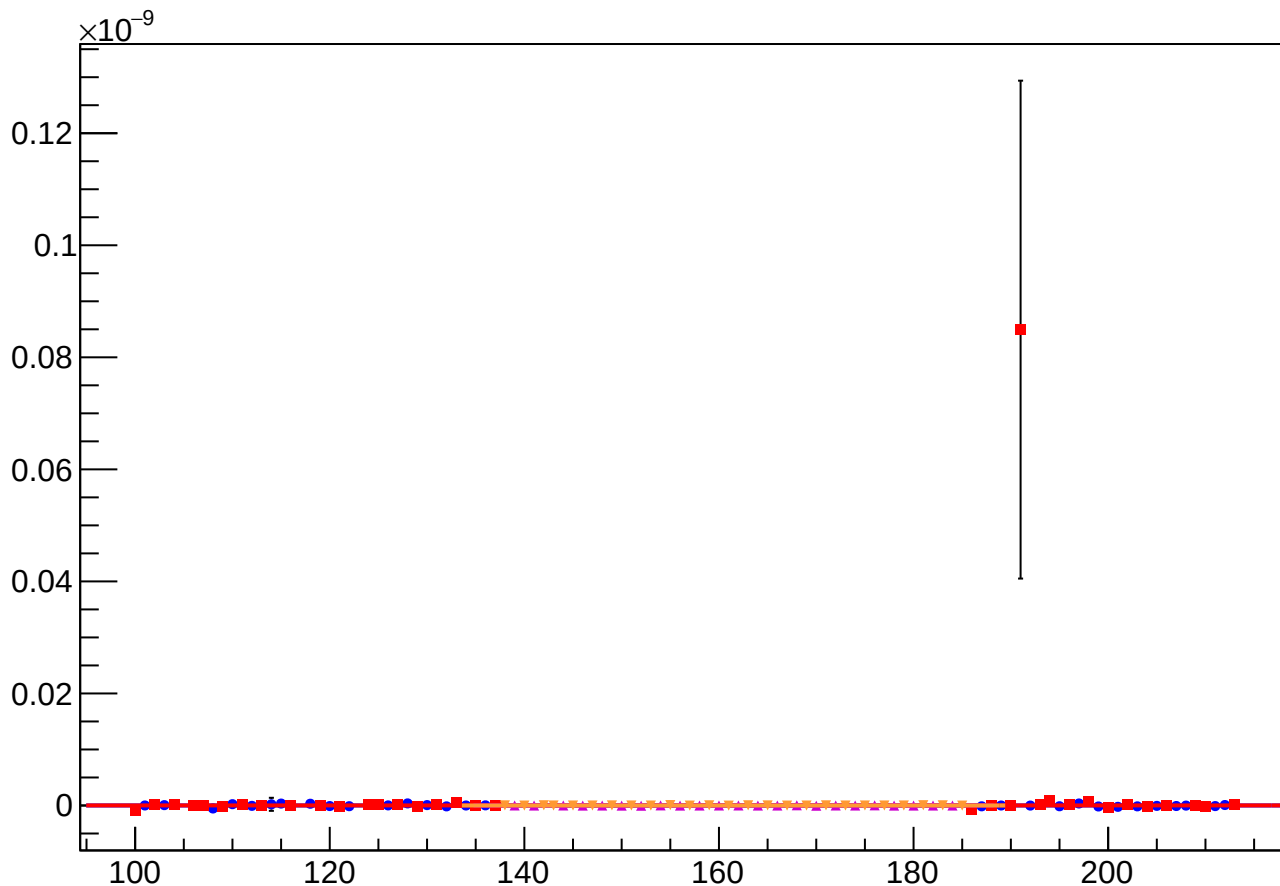
Left In: 1373.217+/-0.227 χ^2/NDF : 64467.6/22

+ sign 1533.824+/-0.182 χ^2/NDF : 2506989.1/53

All: 1540.561+/-0.129 χ^2/NDF : 5322630.0/11

- sign 1547.398+/-0.183 χ^2/NDF : 2812880.0/56

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.0/33

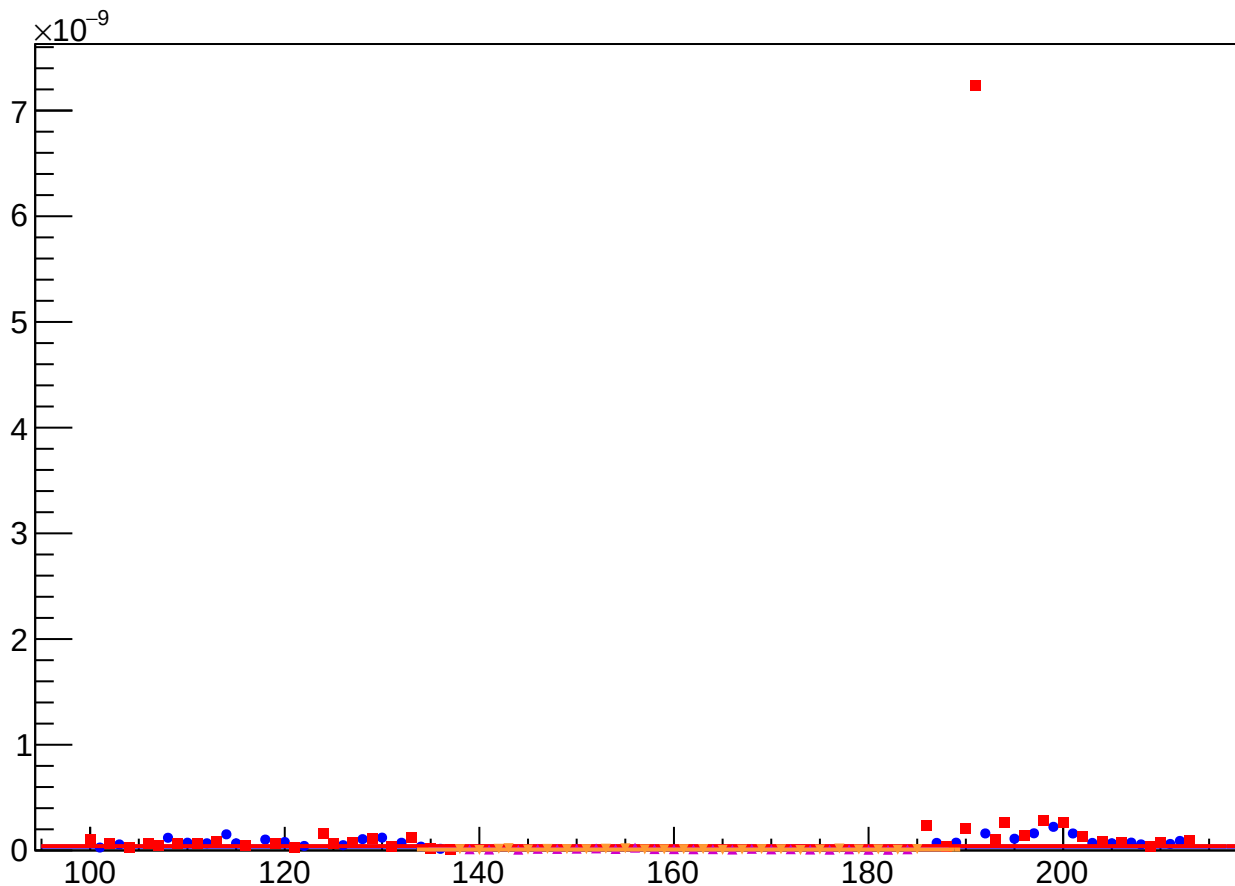
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 113.4/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.1/56

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6474570.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6905666.6/33

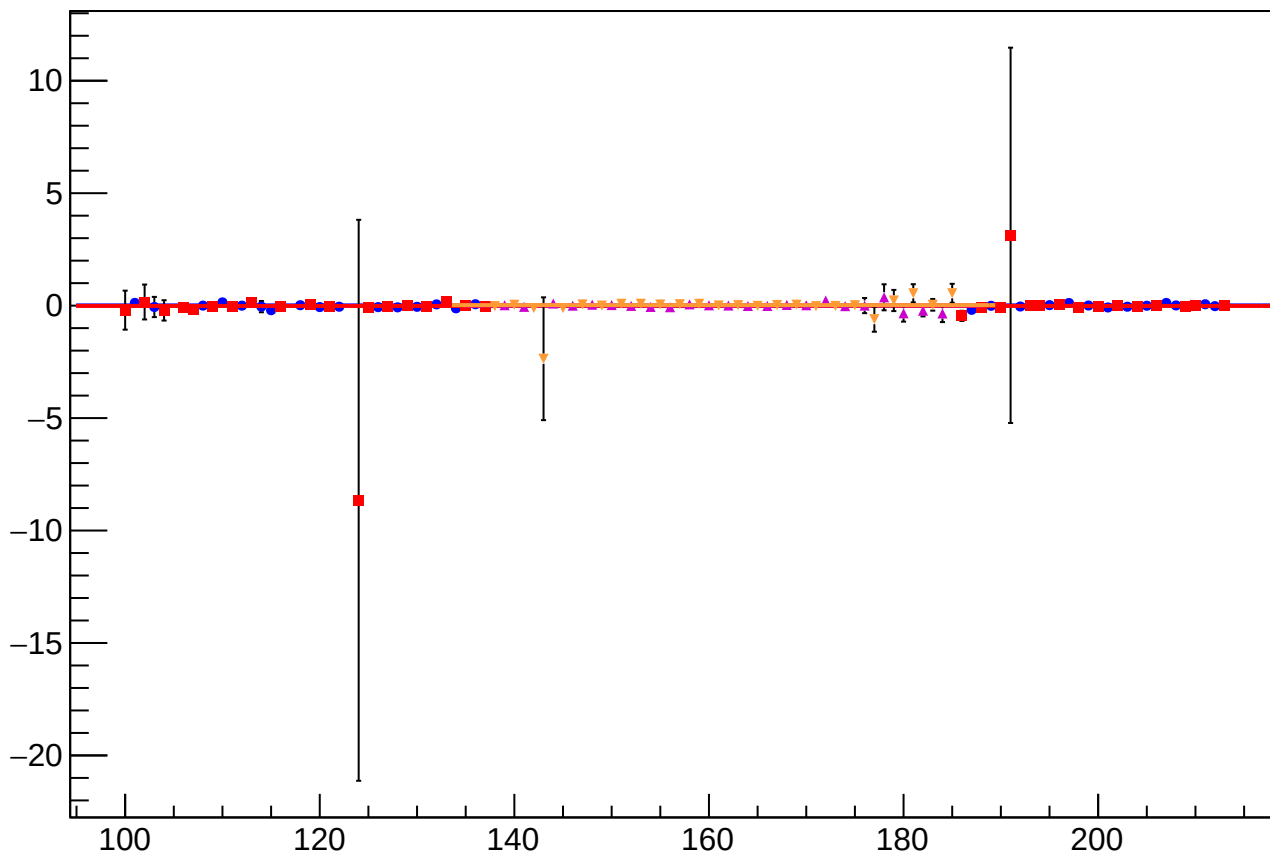
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 13539126.6/53

All: 0.000+/-0.000 χ^2/NDF : 26884428.4/110

- sign 0.000+/-0.000 χ^2/NDF : 13055719.3/56

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 χ^2/NDF : 45.0/28

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 24.1/33

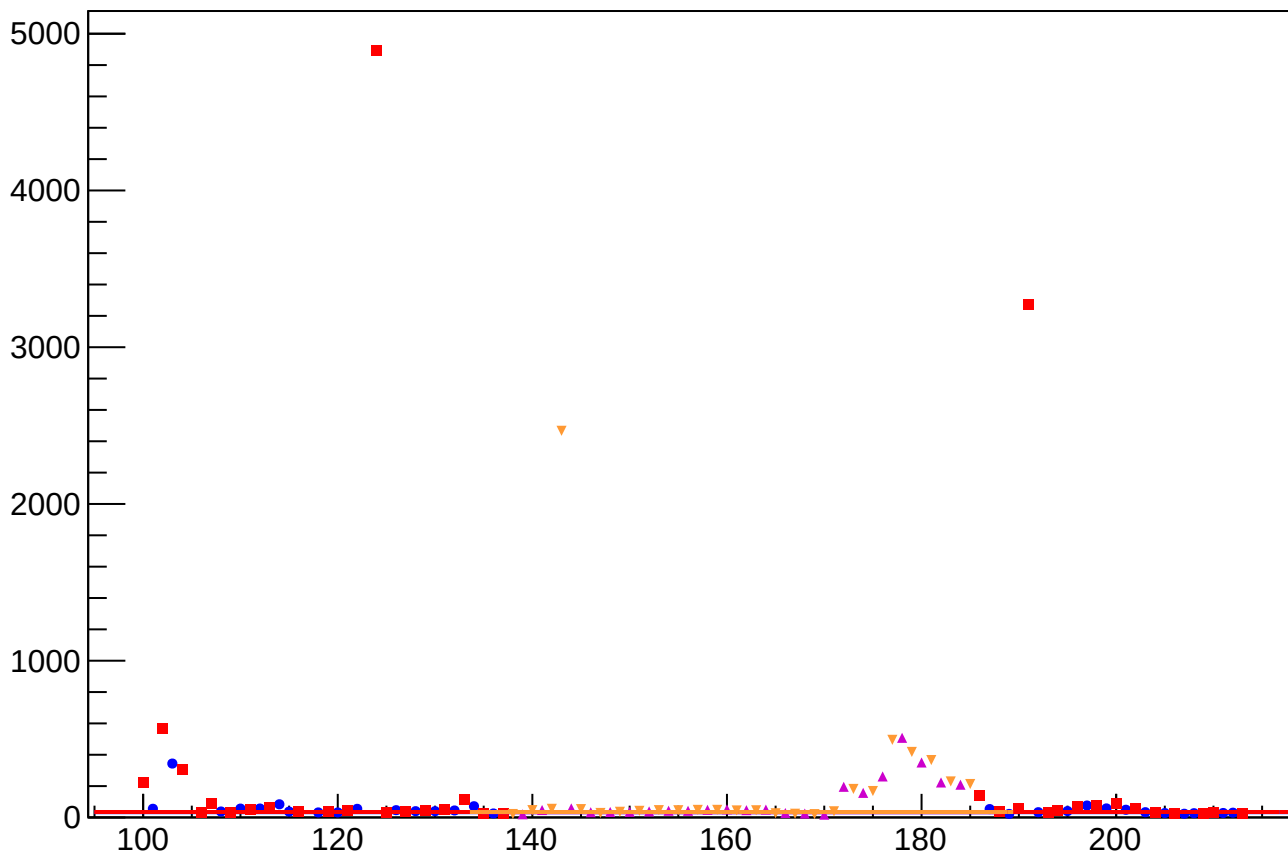
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.016 ± 0.007 χ^2/NDF : 68.7/53

All: 0.007 ± 0.005 χ^2/NDF : 113.9/110

- sign -0.002 ± 0.007 χ^2/NDF : 41.6/56

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.604 $\pm$ 0.007 χ^2 /NDF: 3626490.9/28

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484133.8/33

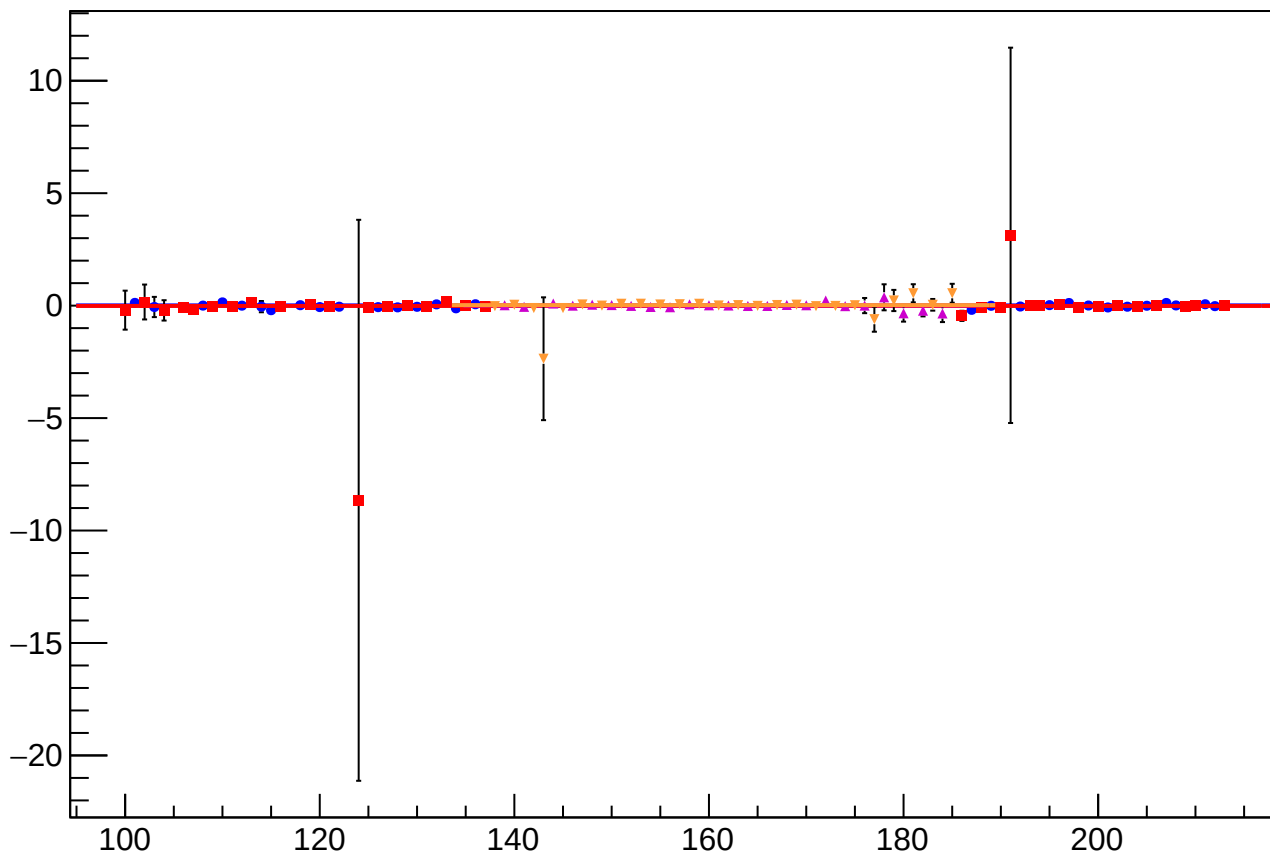
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.067 $\pm$ 0.005 χ^2 /NDF: 15039831.6/53

All: 34.150 $\pm$ 0.003 χ^2 /NDF: 31608199.2/110

- sign 34.234 $\pm$ 0.005 χ^2 /NDF: 16567782.1/56

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 $\chi^2/\text{NDF}: 45.0/28$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.013 ± 0.010 $\chi^2/\text{NDF}: 24.1/33$

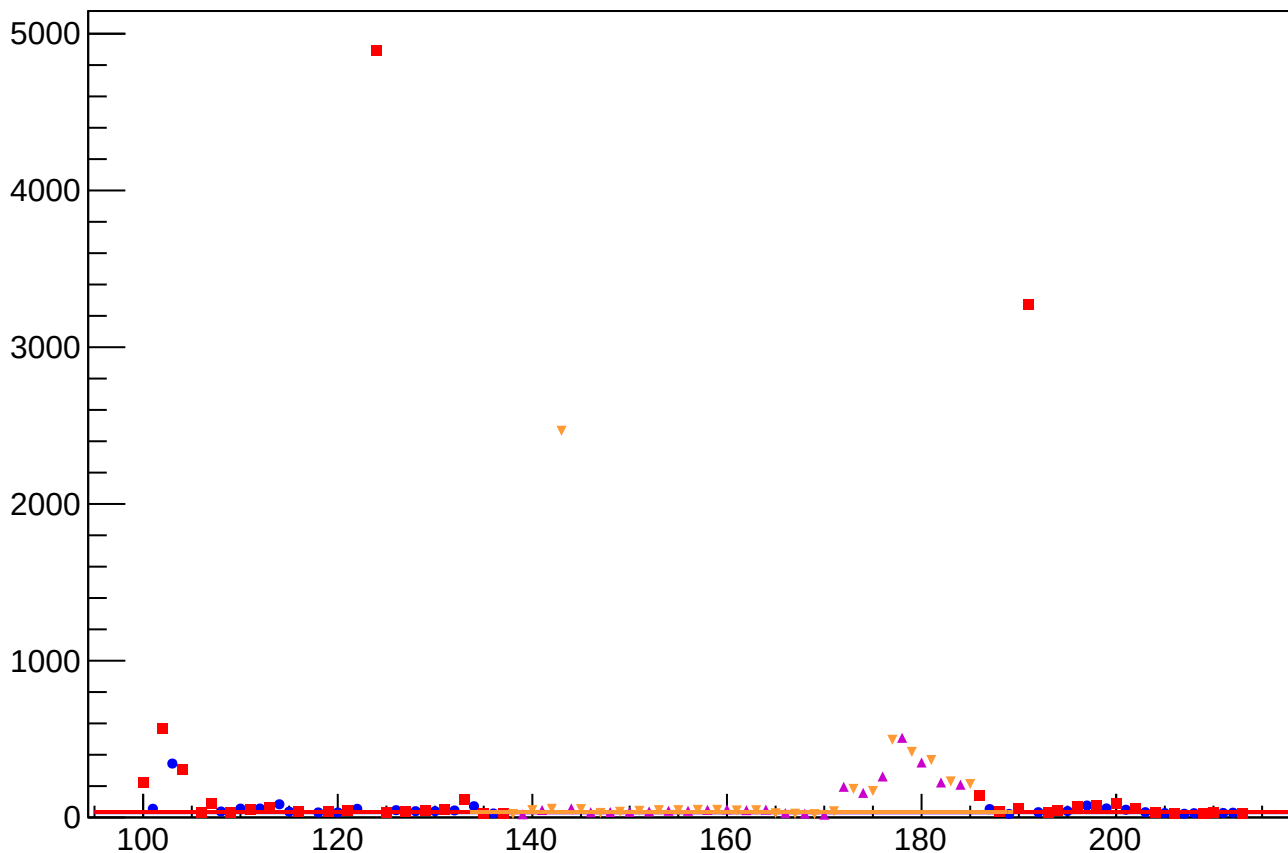
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.016 ± 0.007 $\chi^2/\text{NDF}: 68.7/53$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 113.9/110$

- sign -0.002 ± 0.007 $\chi^2/\text{NDF}: 41.6/56$

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.604+/-0.007 χ^2/NDF : 3626490.9/28

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF : 6484133.8/33

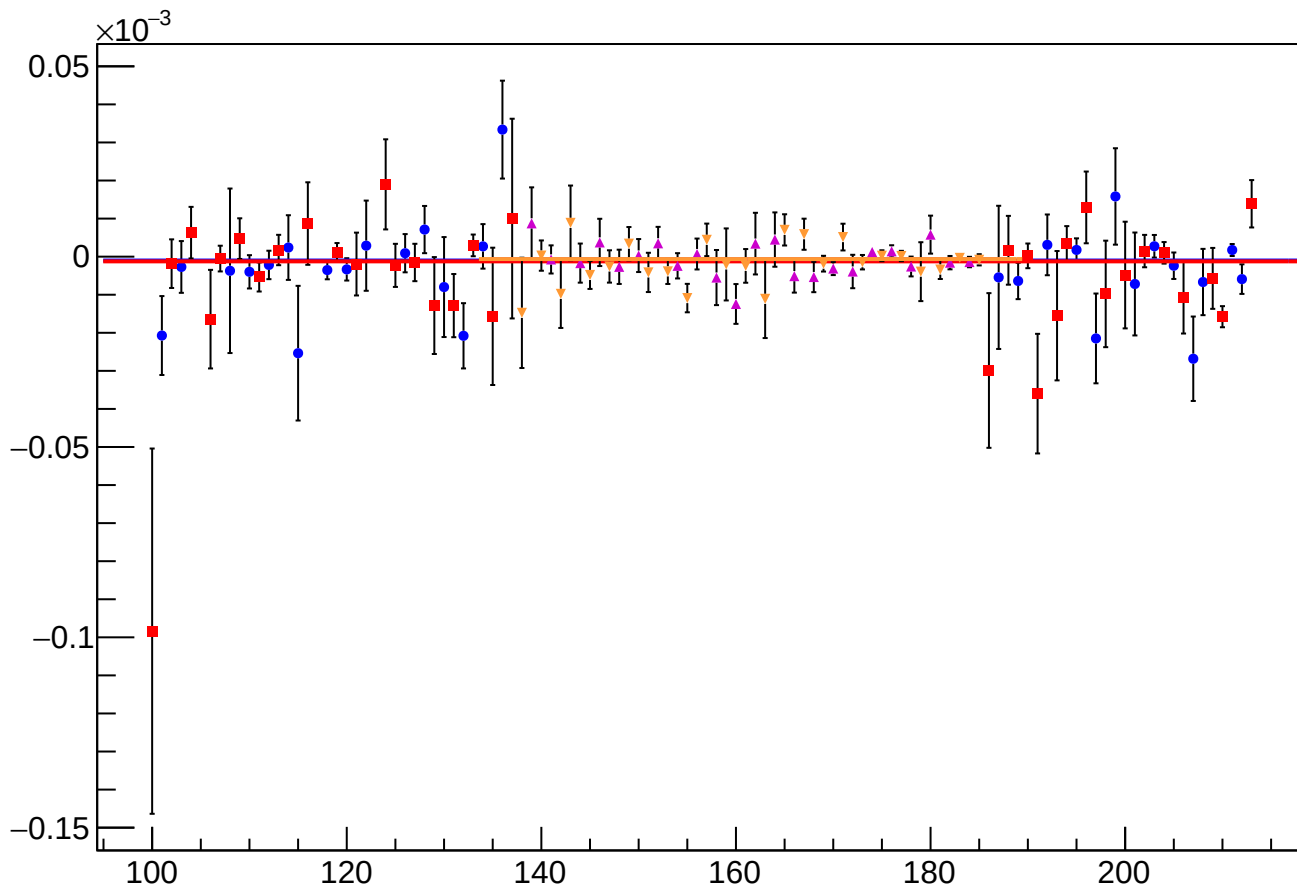
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.067+/-0.005 χ^2/NDF : 15039831.6/53

All: 34.150+/-0.003 χ^2/NDF : 31608199.2/110

- sign 34.234+/-0.005 χ^2/NDF : 16567782.1/56

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 67.7/33

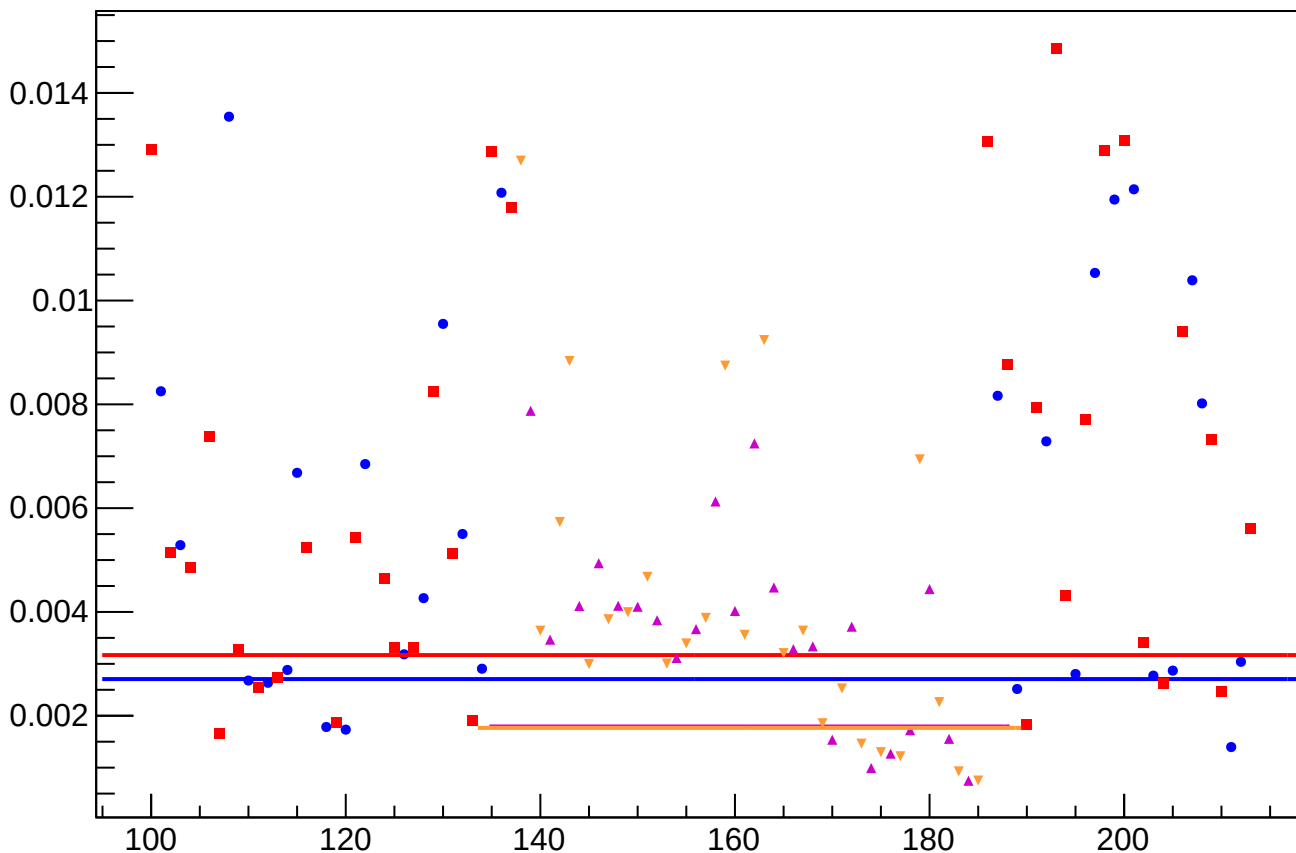
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 71.3/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 161.3/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 89.9/56

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 11049099.9/28

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10731244.7/33

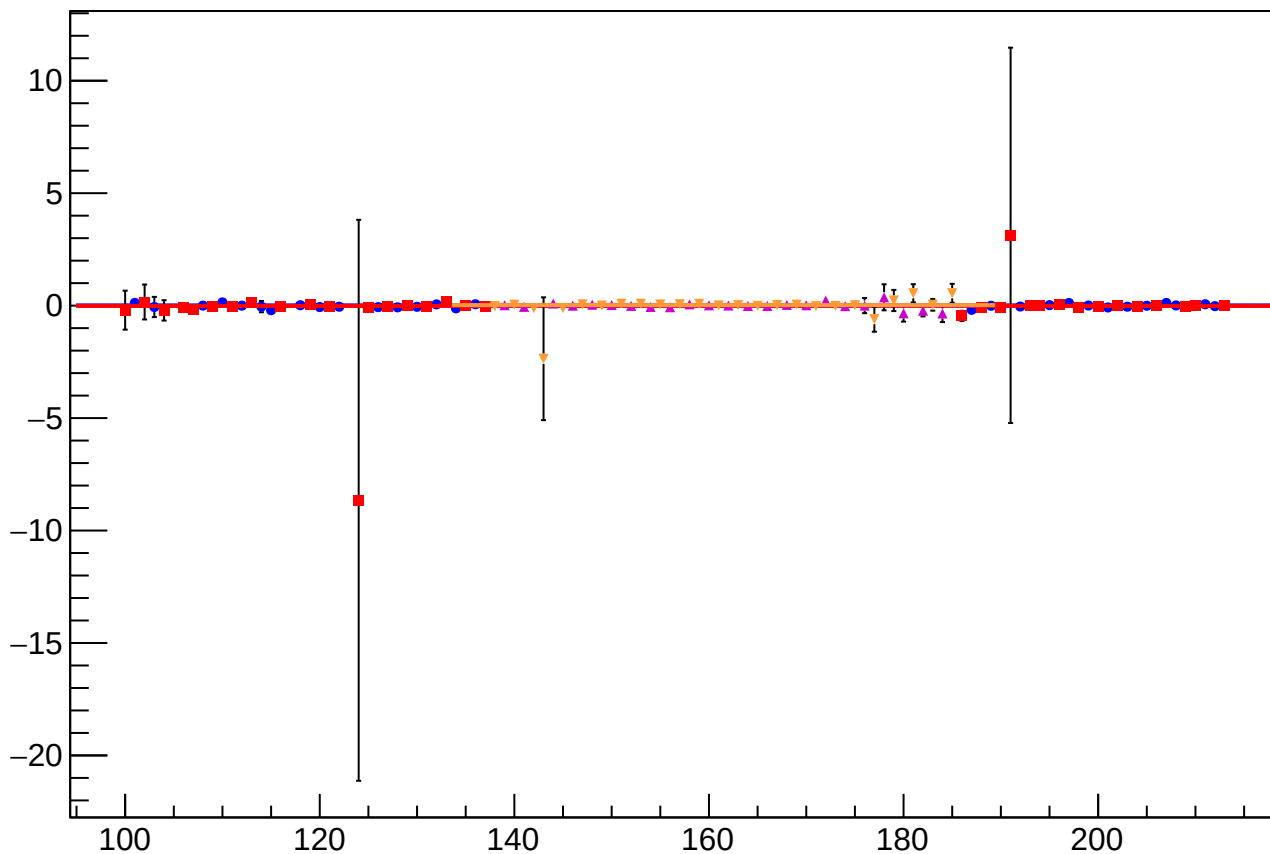
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 25844089.1/53

All: 0.002+/-0.000 χ^2/NDF : 50942419.9/110

- sign 0.002+/-0.000 χ^2/NDF : 24996218.5/56

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 $\chi^2/\text{NDF}: 45.0/28$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.013 ± 0.010 $\chi^2/\text{NDF}: 24.1/33$

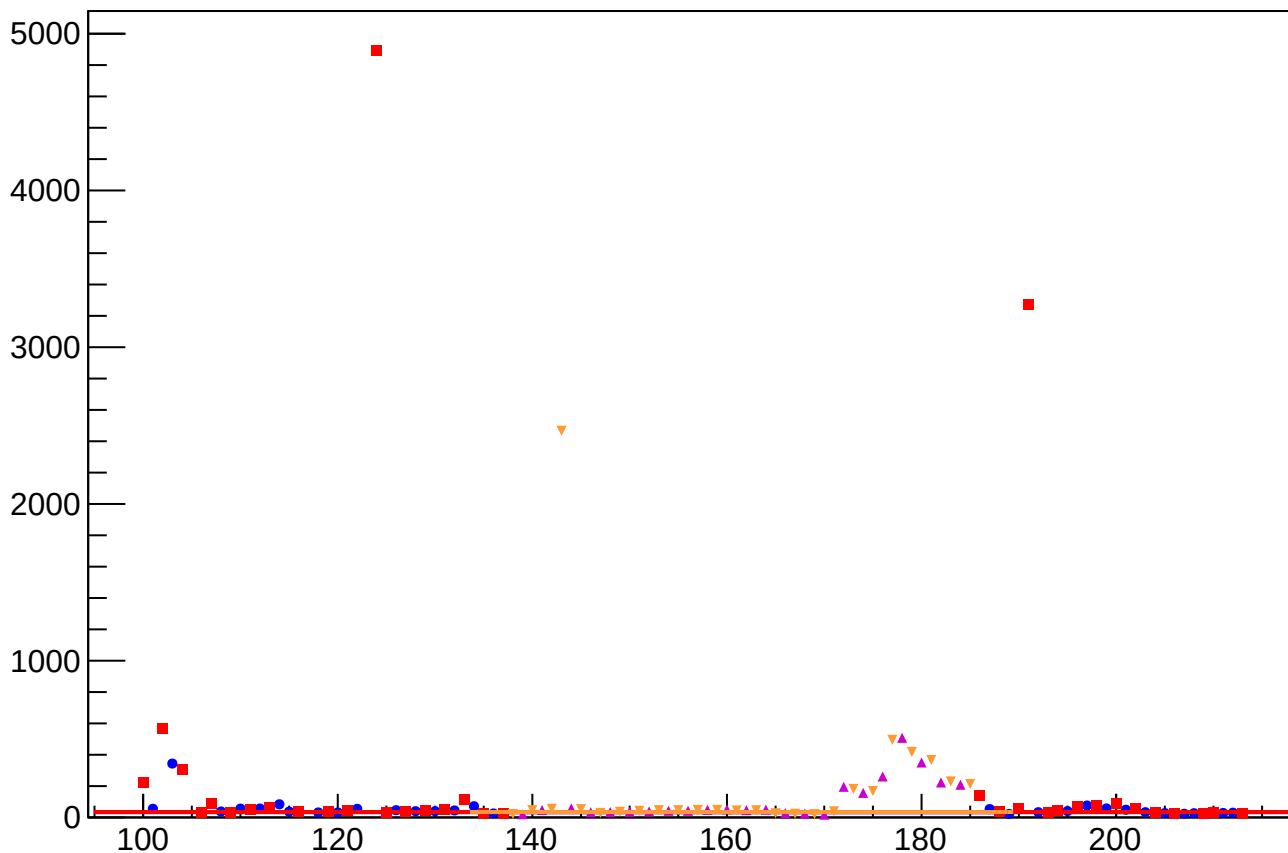
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.016 ± 0.007 $\chi^2/\text{NDF}: 68.7/53$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 113.9/110$

- sign -0.002 ± 0.007 $\chi^2/\text{NDF}: 41.6/56$

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.607 $\pm$ 0.007 χ^2 /NDF: 3625148.8/28

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484085.5/33

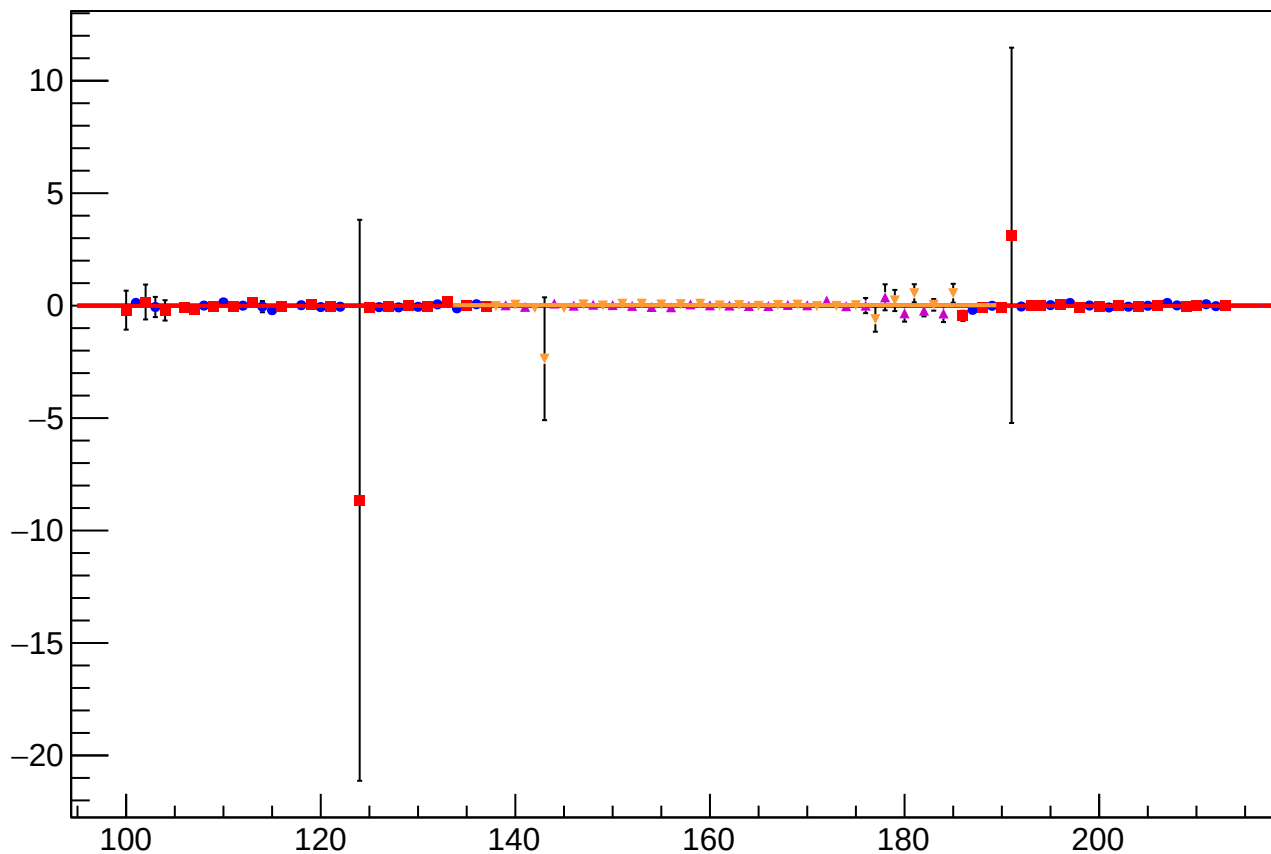
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.069 $\pm$ 0.005 χ^2 /NDF: 15038517.1/53

All: 34.152 $\pm$ 0.003 χ^2 /NDF: 31605514.4/110

- sign 34.235 $\pm$ 0.005 χ^2 /NDF: 16566411.8/56

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 χ^2/NDF : 45.0/28

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 24.1/33

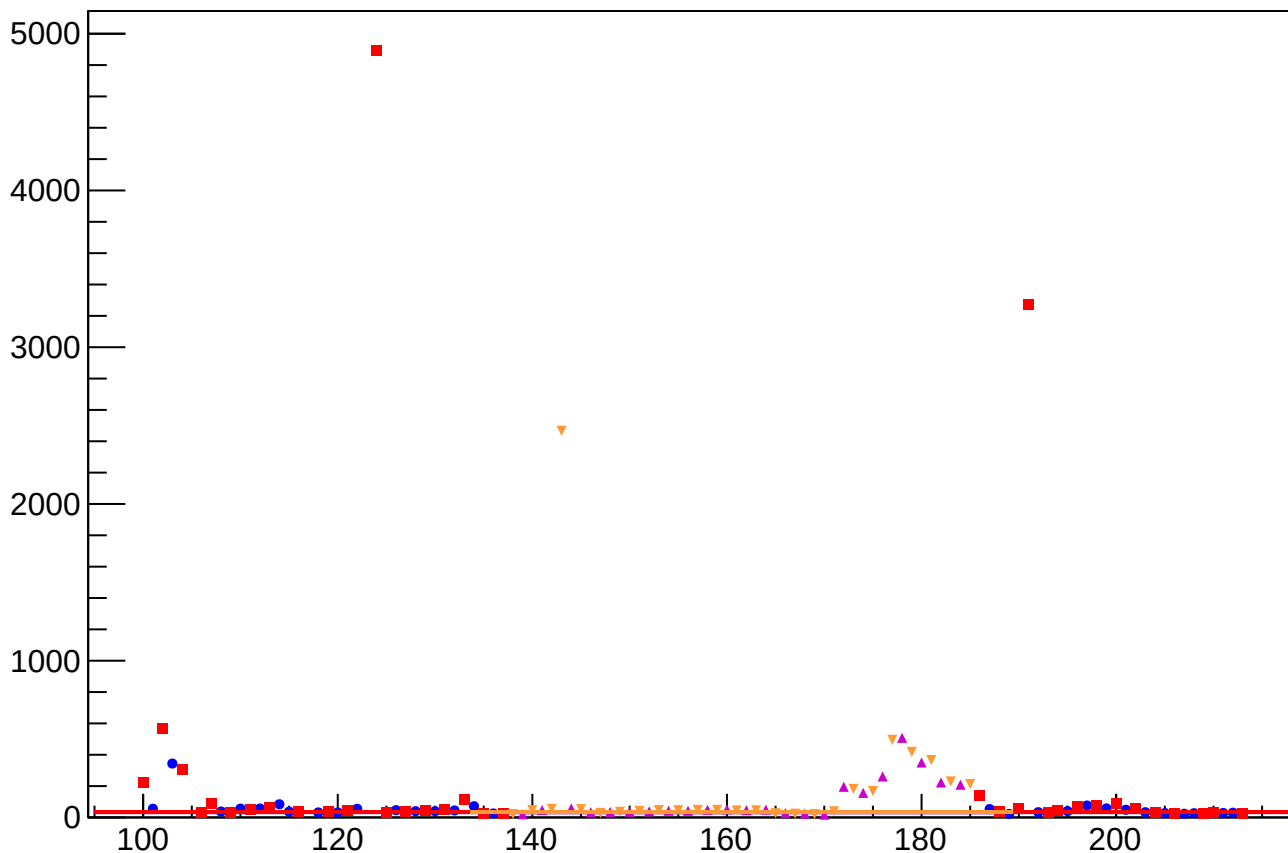
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.016 ± 0.007 χ^2/NDF : 68.7/53

All: 0.007 ± 0.005 χ^2/NDF : 113.9/110

- sign -0.002 ± 0.007 χ^2/NDF : 41.6/56

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.607 $\pm$ 0.007 χ^2 /NDF: 3625148.8/28

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484085.5/33

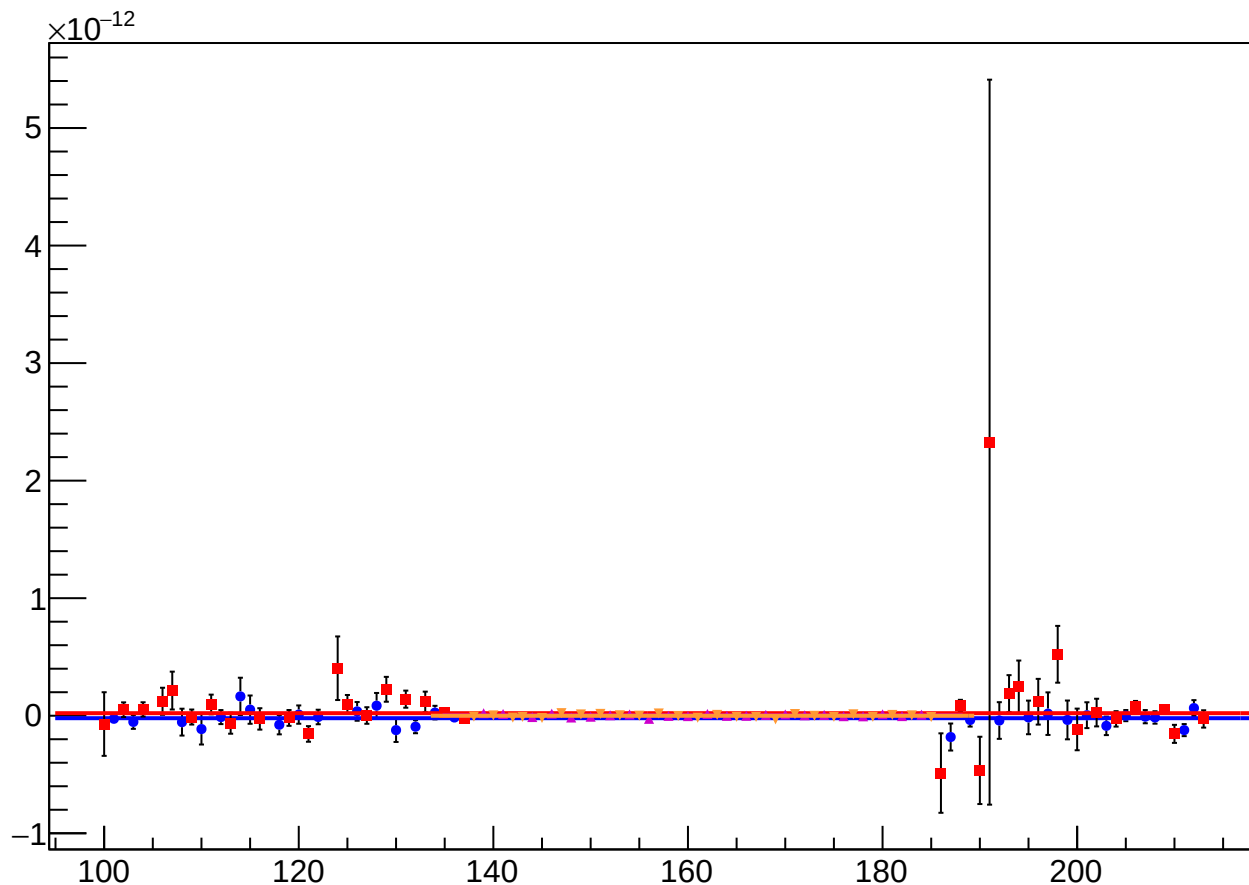
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.069 $\pm$ 0.005 χ^2 /NDF: 15038517.1/53

All: 34.152 $\pm$ 0.003 χ^2 /NDF: 31605514.4/110

- sign 34.235 $\pm$ 0.005 χ^2 /NDF: 16566411.8/56

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.6/33

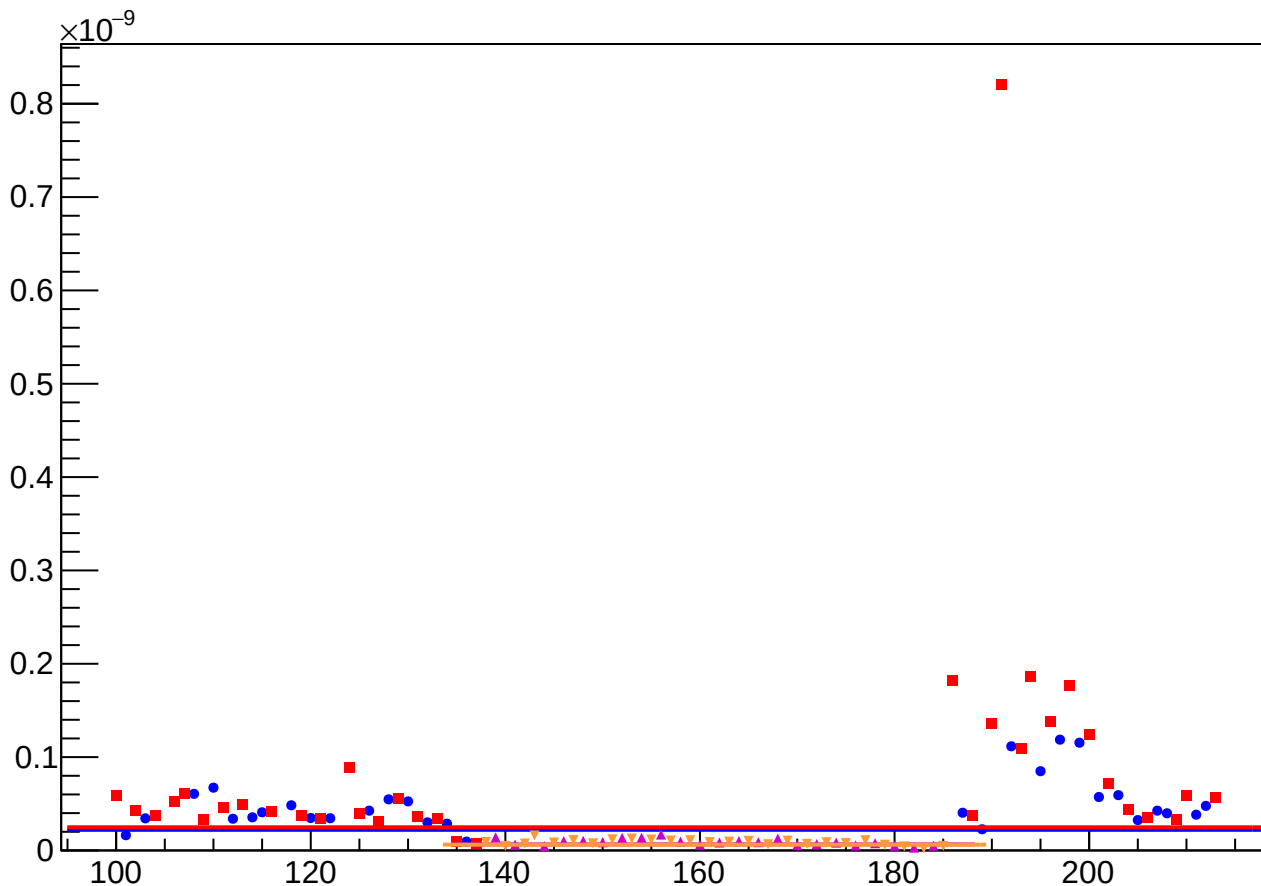
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.3/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 124.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.3/56

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7778510.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5077918.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10494220.0/33

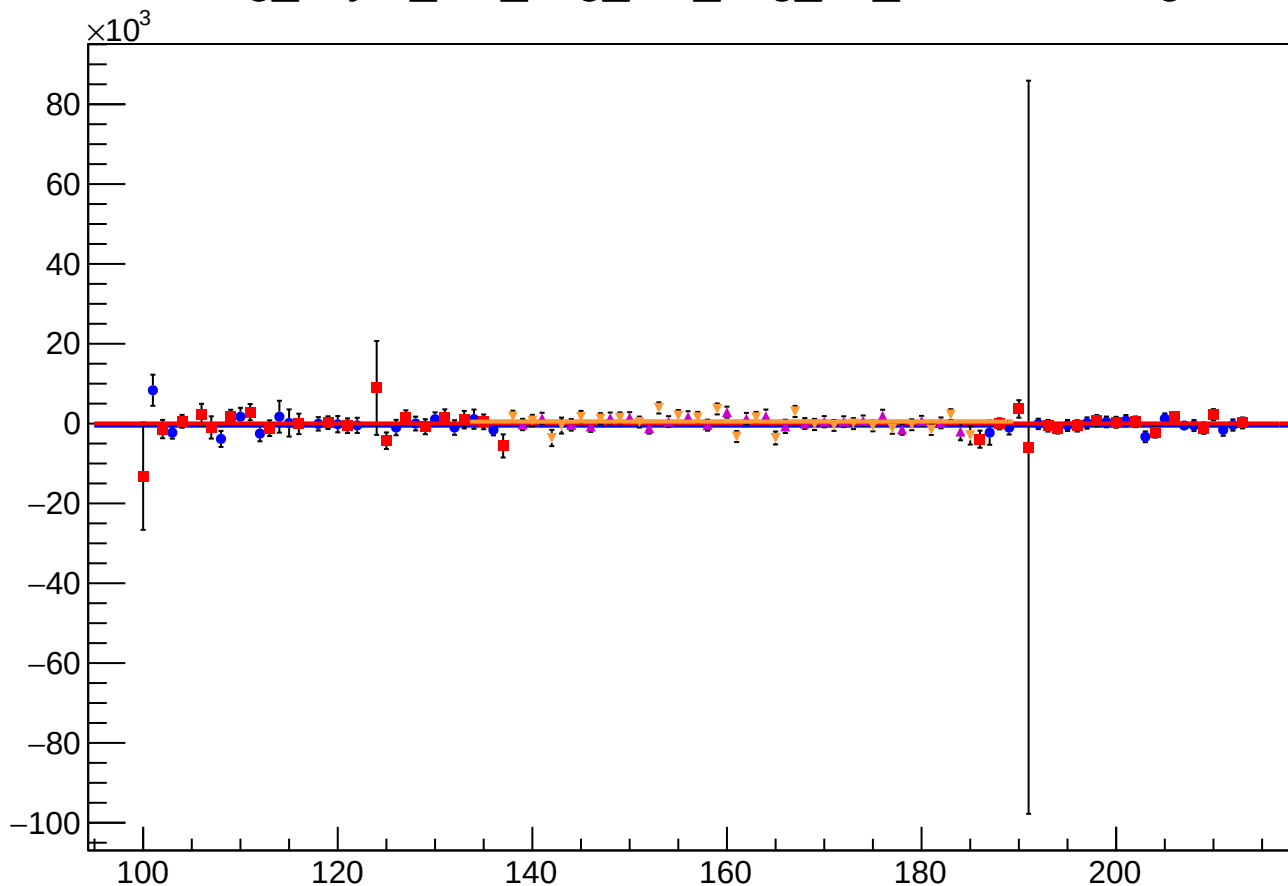
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3998320.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18983167.1/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40214400.3/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21205226.3/56

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -521.752+/-308.382 χ^2/NDF : 22.4/28

Left Out: 492.062+/-288.495 χ^2/NDF : 46.9/24

Right Out: 43.378+/-300.709 χ^2/NDF : 31.1/33

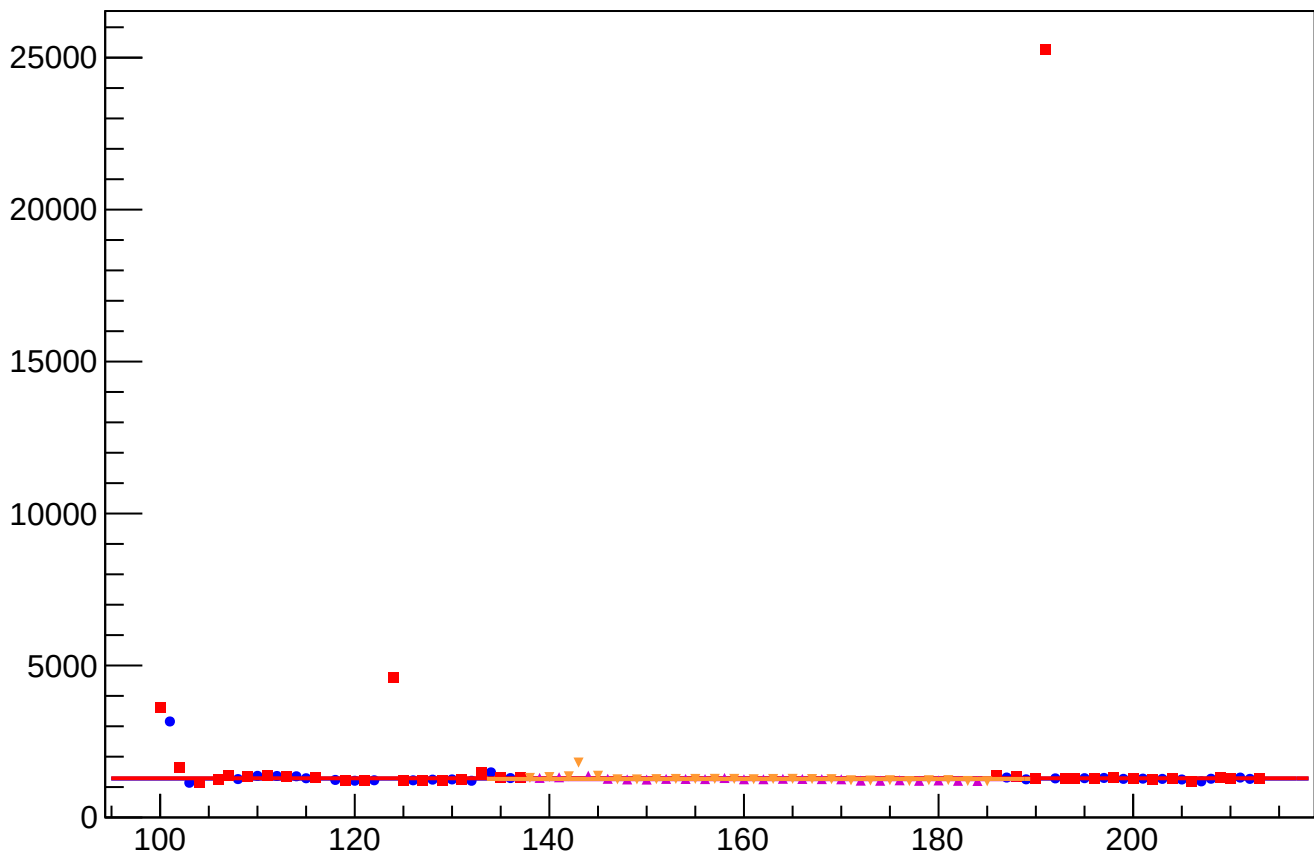
Left In: 486.821+/-293.769 χ^2/NDF : 14.4/22

+ sign 18.896+/-210.677 χ^2/NDF : 75.1/53

All: 144.908+/-148.780 χ^2/NDF : 122.5/110

- sign 270.276+/-210.137 χ^2/NDF : 46.7/56

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529519.6/28

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.153 $\pm$ 0.212 χ^2 /NDF: 482746.6/33

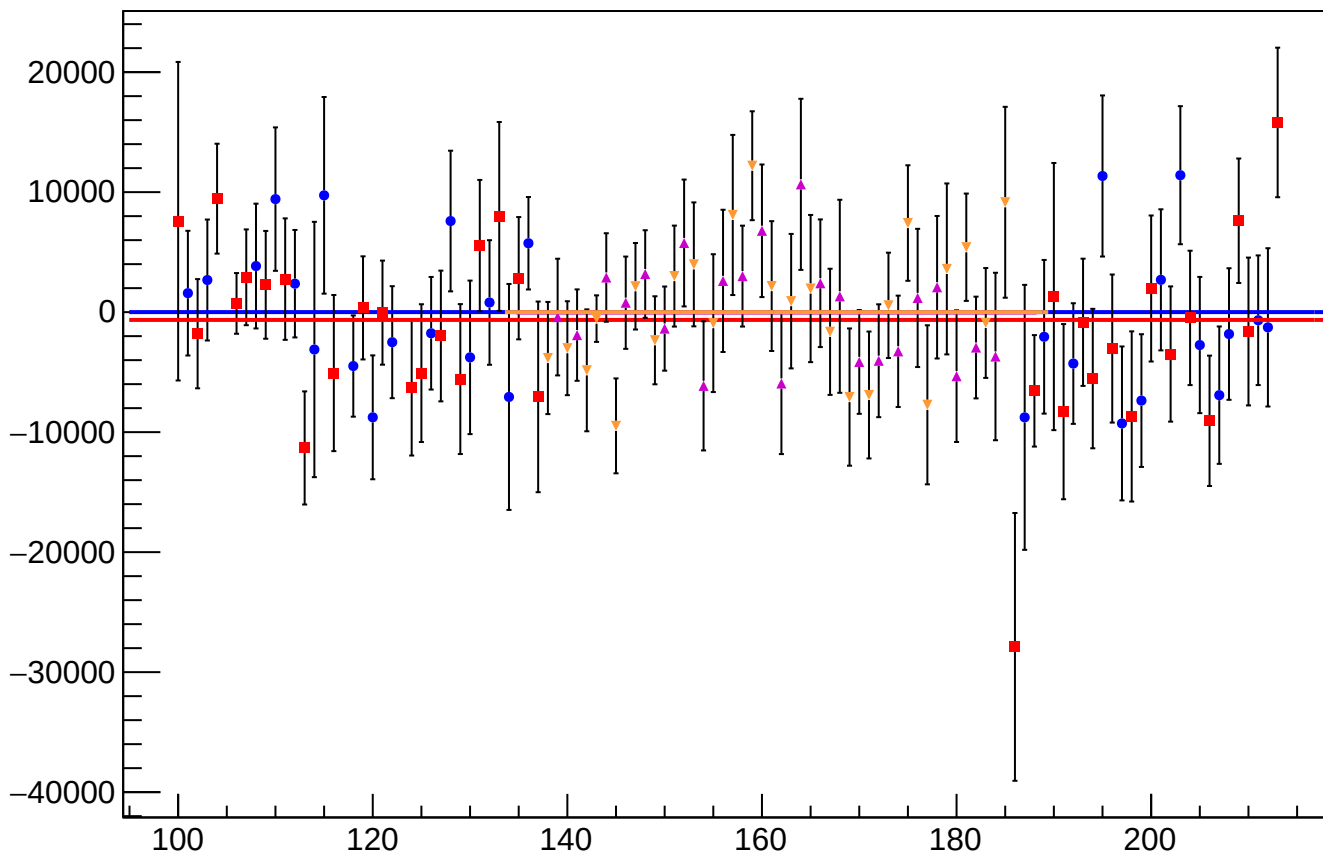
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718297.3/53

All: 1272.431 $\pm$ 0.105 χ^2 /NDF: 1249202.7/11

- sign 1272.999 $\pm$ 0.149 χ^2 /NDF: 530876.1/56

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: 3.281 ± 1035.844 χ^2/NDF : 28.6/28

Left Out: -0.604 ± 886.488 χ^2/NDF : 29.1/24

Right Out: -648.132 ± 906.758 χ^2/NDF : 42.0/33

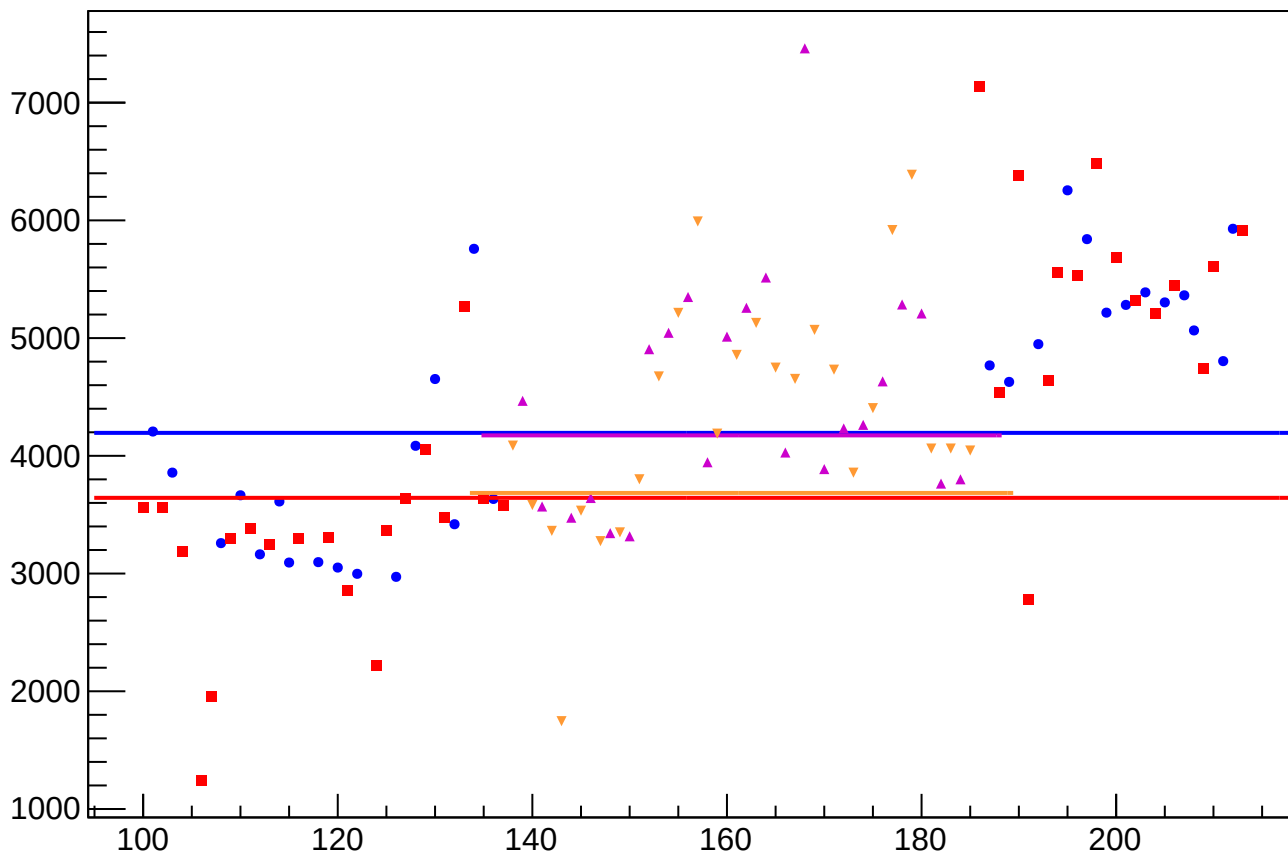
Left In: -31.593 ± 995.348 χ^2/NDF : 14.0/22

+ sign 1.038 ± 673.515 χ^2/NDF : 57.7/53

All: -184.620 ± 475.110 χ^2/NDF : 114.1/110

- sign -368.515 ± 670.311 χ^2/NDF : 56.3/56

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 4194.989+/-0.732 χ^2/NDF : 1868191.1/28

Left Out: 3684.769+/-0.627 χ^2/NDF : 3693646.6/24

Right Out: 3643.091+/-0.641 χ^2/NDF : 5079409.7/33

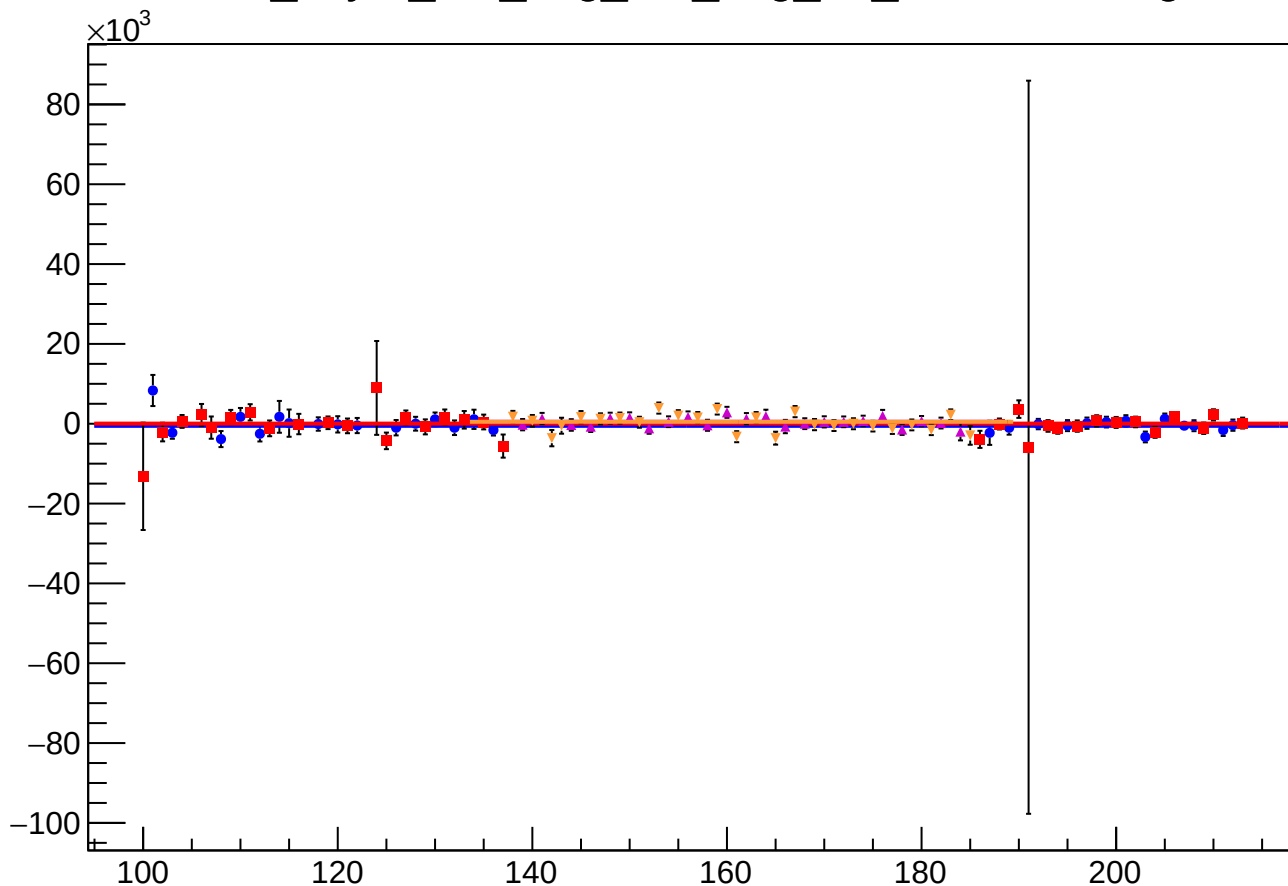
Left In: 4173.556+/-0.704 χ^2/NDF : 1274968.4/22

+ sign 3900.475+/-0.476 χ^2/NDF : 5841931.9/53

All: 3892.033+/-0.336 χ^2/NDF : 12507364.9/100

- sign 3883.671+/-0.474 χ^2/NDF : 6664807.5/56

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -521.891 ± 308.382 χ^2/NDF : 22.4/28

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 32.367 ± 300.785 χ^2/NDF : 31.6/33

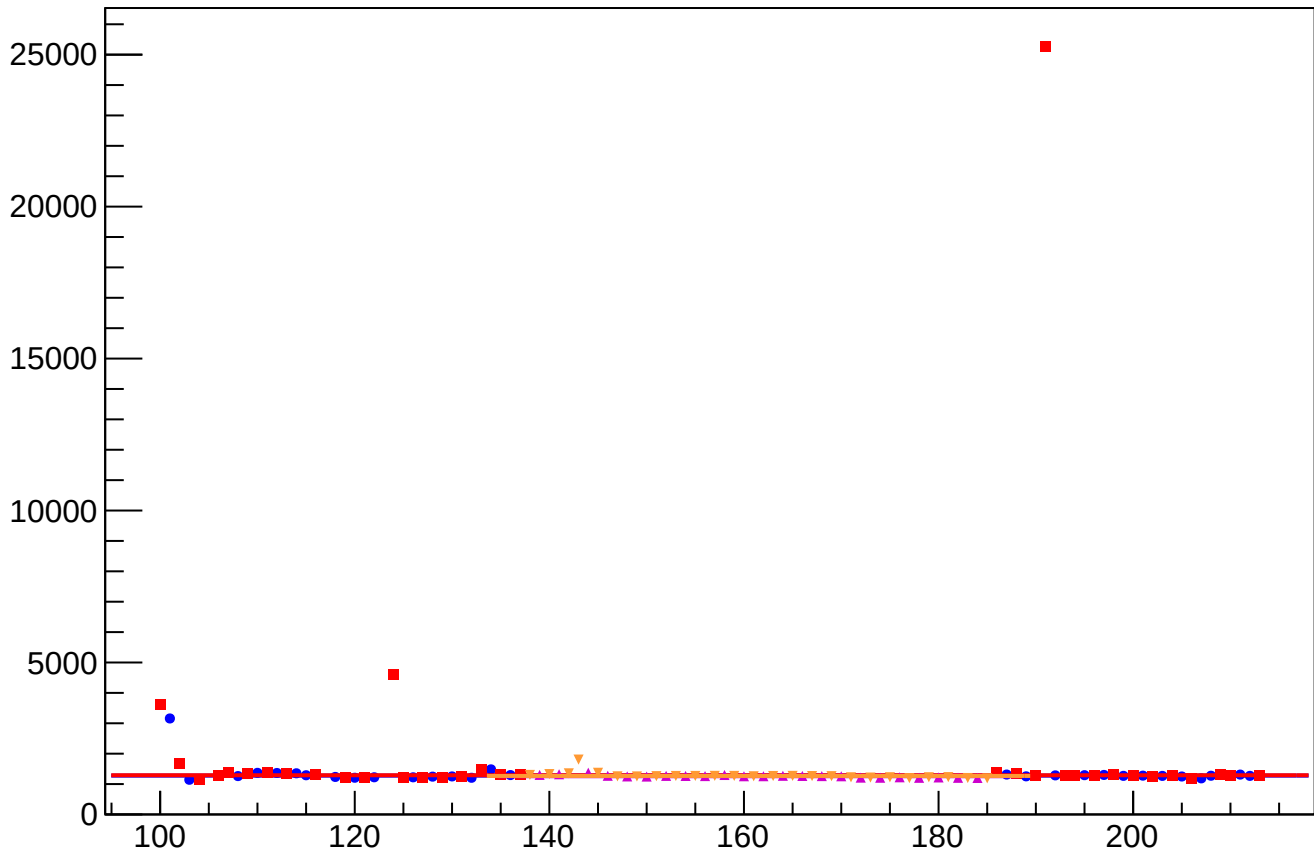
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 18.840 ± 210.677 χ^2/NDF : 75.1/53

All: 142.173 ± 148.789 χ^2/NDF : 122.9/110

- sign 264.905 ± 210.163 χ^2/NDF : 47.2/56

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529521.0/28

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.914 $\pm$ 0.213 χ^2 /NDF: 489623.9/33

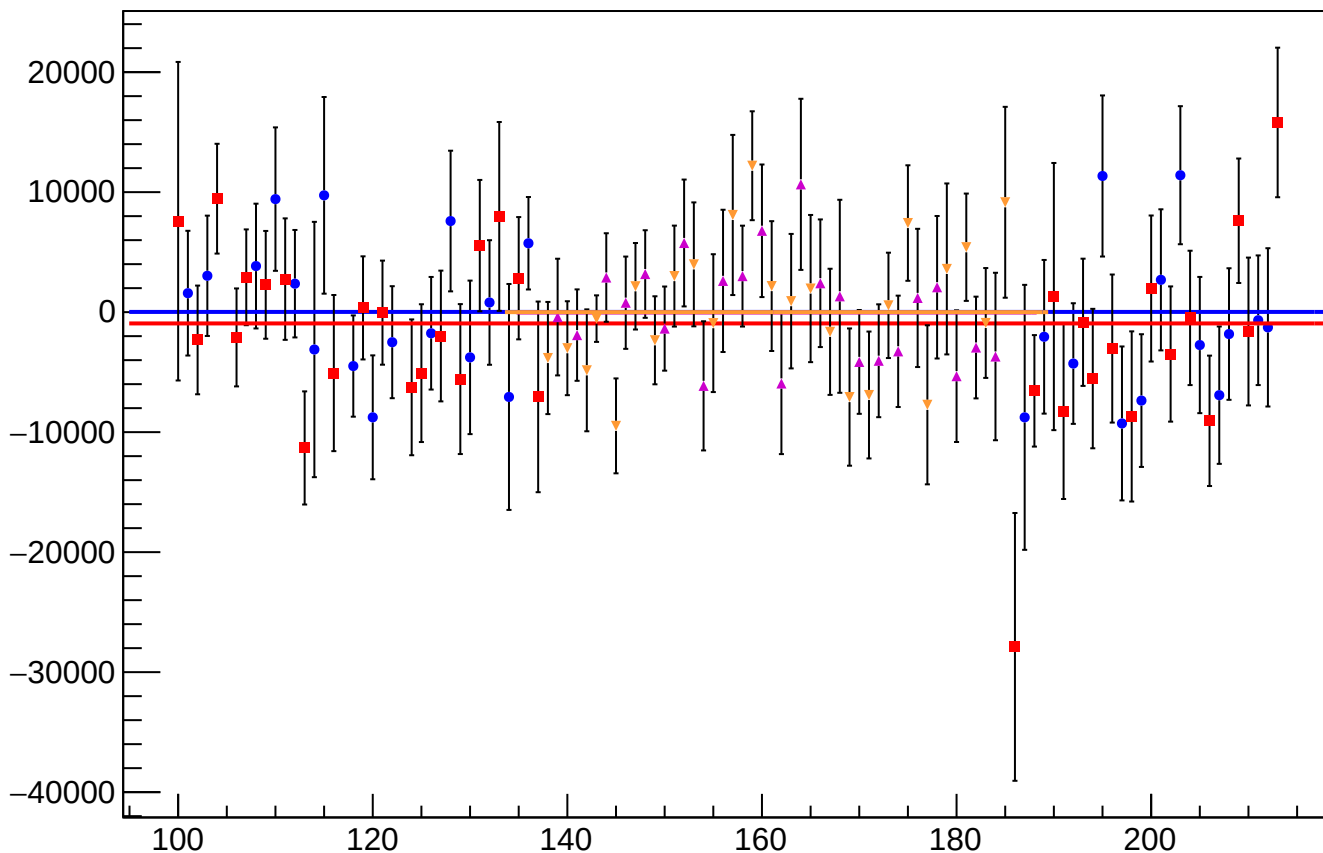
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718298.7/53

All: 1272.613 $\pm$ 0.105 χ^2 /NDF: 1256648.4/11

- sign 1273.362 $\pm$ 0.149 χ^2 /NDF: 538298.7/56

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 19.340 $\pm$ 1035.627 χ^2 /NDF: 28.7/28

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF: 29.1/24

Right Out: -940.235 $\pm$ 944.685 χ^2 /NDF: 41.8/33

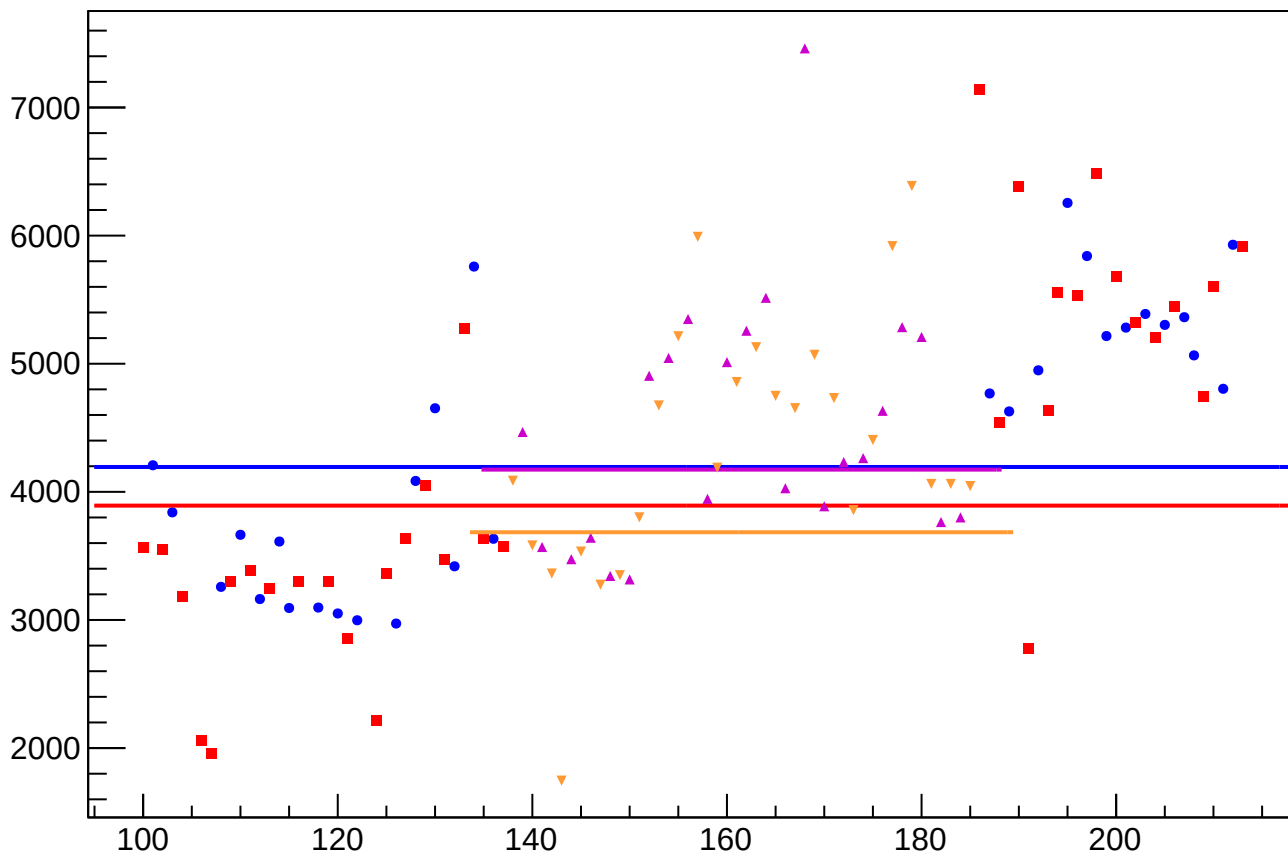
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF: 14.0/22

+ sign 7.866 $\pm$ 673.454 χ^2 /NDF: 57.8/53

All: -246.406 $\pm$ 480.304 χ^2 /NDF: 114.4/110

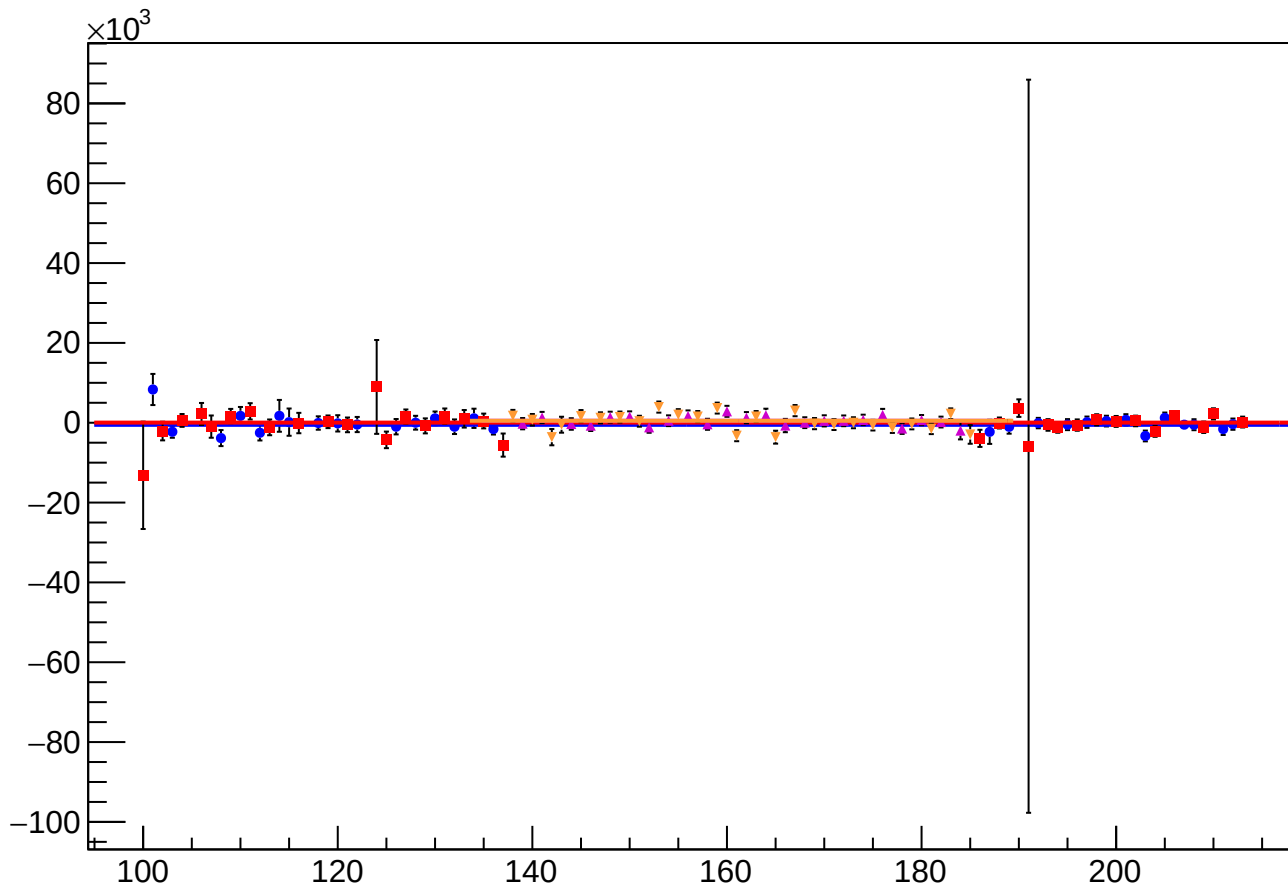
- sign -509.628 $\pm$ 685.203 χ^2 /NDF: 56.3/56

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732	χ^2 /NDF: 1869244.5/28	+ sign 3900.165 $\pm$ 0.476	χ^2 /NDF: 5842172.1/53
Left Out: 3684.762 $\pm$ 0.627	χ^2 /NDF: 3693687.2/24		
Right Out: 3892.503 $\pm$ 0.668	χ^2 /NDF: 3438125.0/33	All: 3961.843 $\pm$ 0.340	χ^2 /NDF: 10673295.3/100
Left In: 4173.550 $\pm$ 0.704	χ^2 /NDF: 1274967.5/22	- sign 4025.692 $\pm$ 0.485	χ^2 /NDF: 4796981.6/56

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -521.891 ± 308.382 $\chi^2/\text{NDF}: 22.4/28$

Left Out: 492.079 ± 288.495 $\chi^2/\text{NDF}: 46.9/24$

Right Out: 32.367 ± 300.785 $\chi^2/\text{NDF}: 31.6/33$

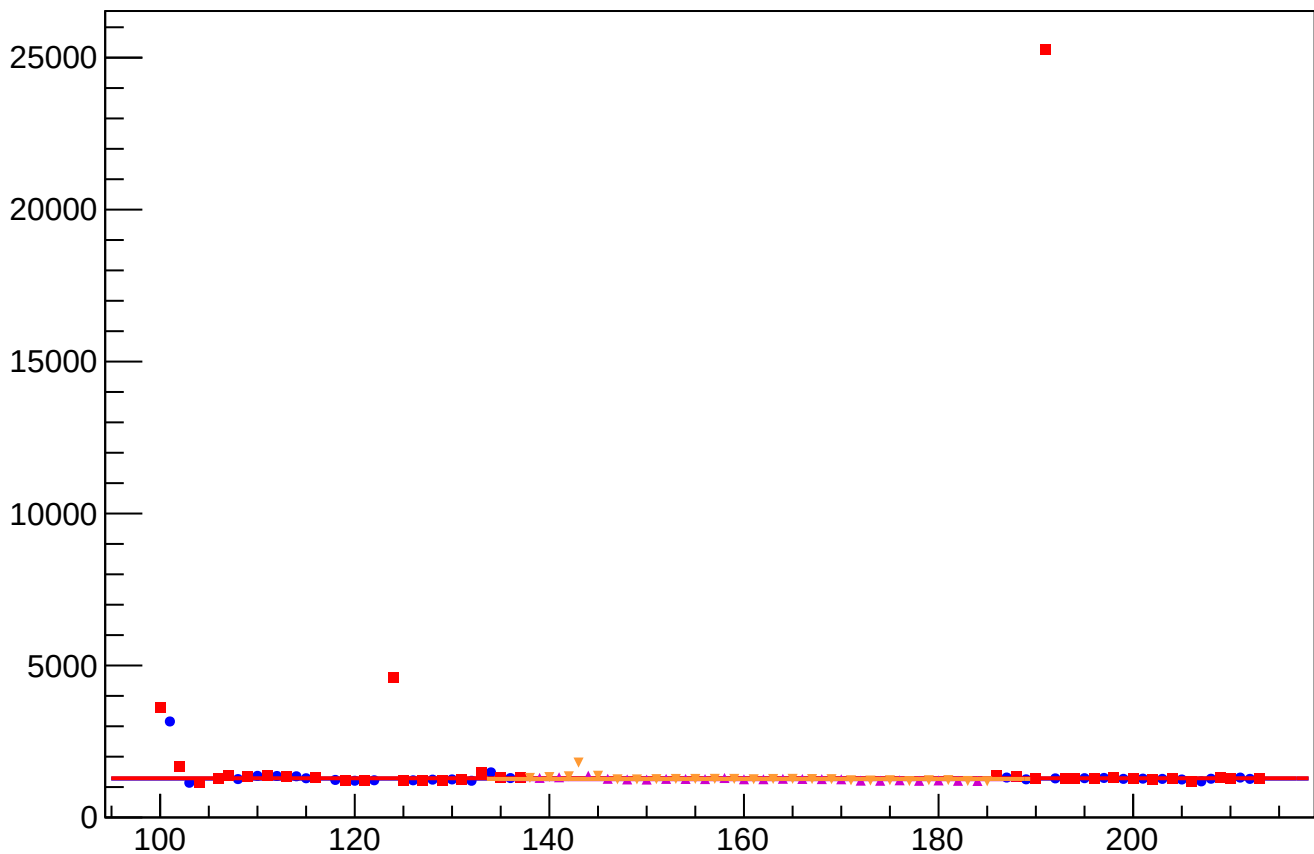
Left In: 486.720 ± 293.769 $\chi^2/\text{NDF}: 14.4/22$

+ sign 18.840 ± 210.677 $\chi^2/\text{NDF}: 75.1/53$

All: 142.173 ± 148.789 $\chi^2/\text{NDF}: 122.9/110$

- sign 264.905 ± 210.163 $\chi^2/\text{NDF}: 47.2/56$

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1277.449+/-0.218 χ^2/NDF : 529521.0/28

Left Out: 1266.968+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF : 489623.9/33

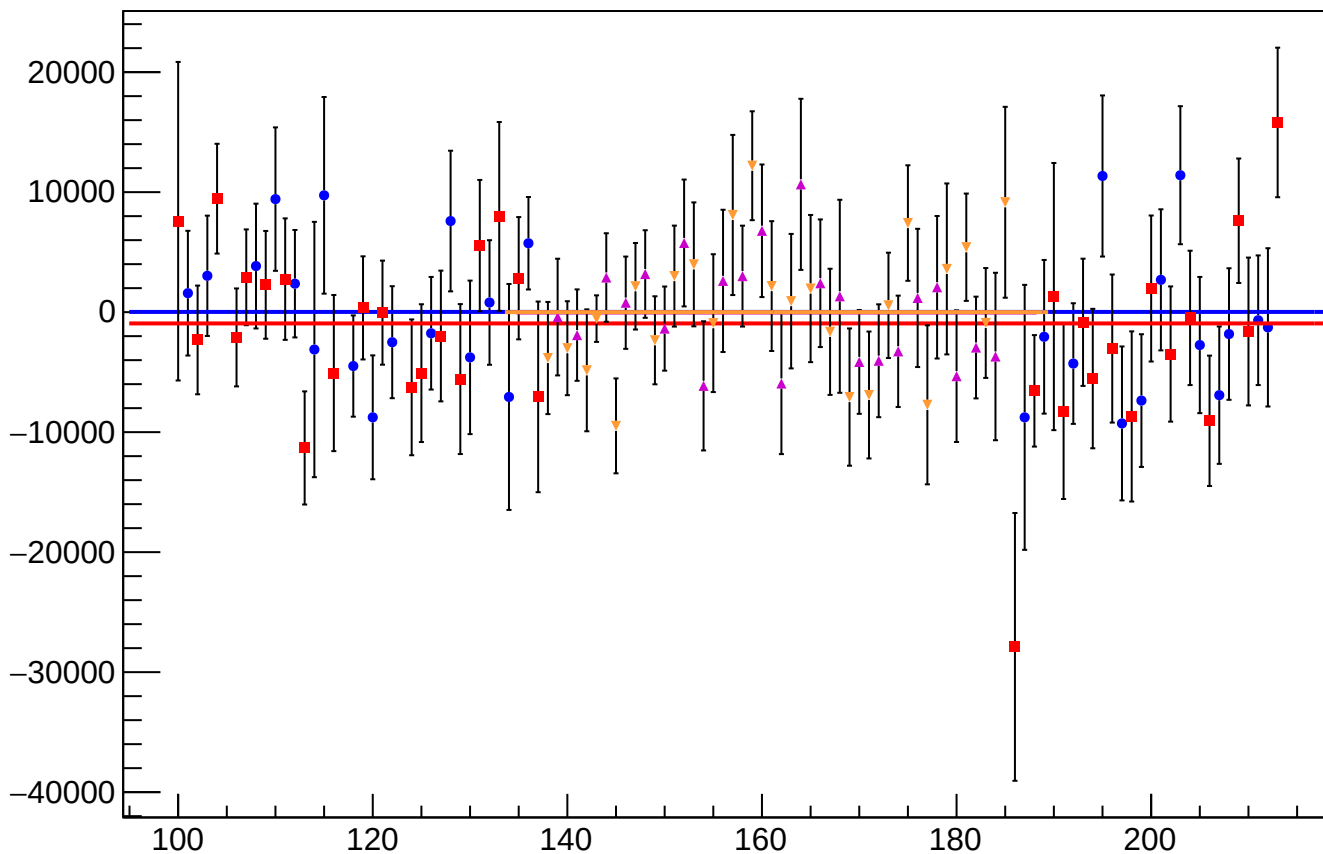
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.3/22

+ sign 1271.859+/-0.149 χ^2/NDF : 718298.7/53

All: 1272.613+/-0.105 χ^2/NDF : 1256648.4/11

- sign 1273.362+/-0.149 χ^2/NDF : 538298.7/56

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 19.340 $\pm$ 1035.627 χ^2 /NDF: 28.7/28

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF:29.1/24

Right Out: -940.235 $\pm$ 944.685 χ^2 /NDF: 41.8/33

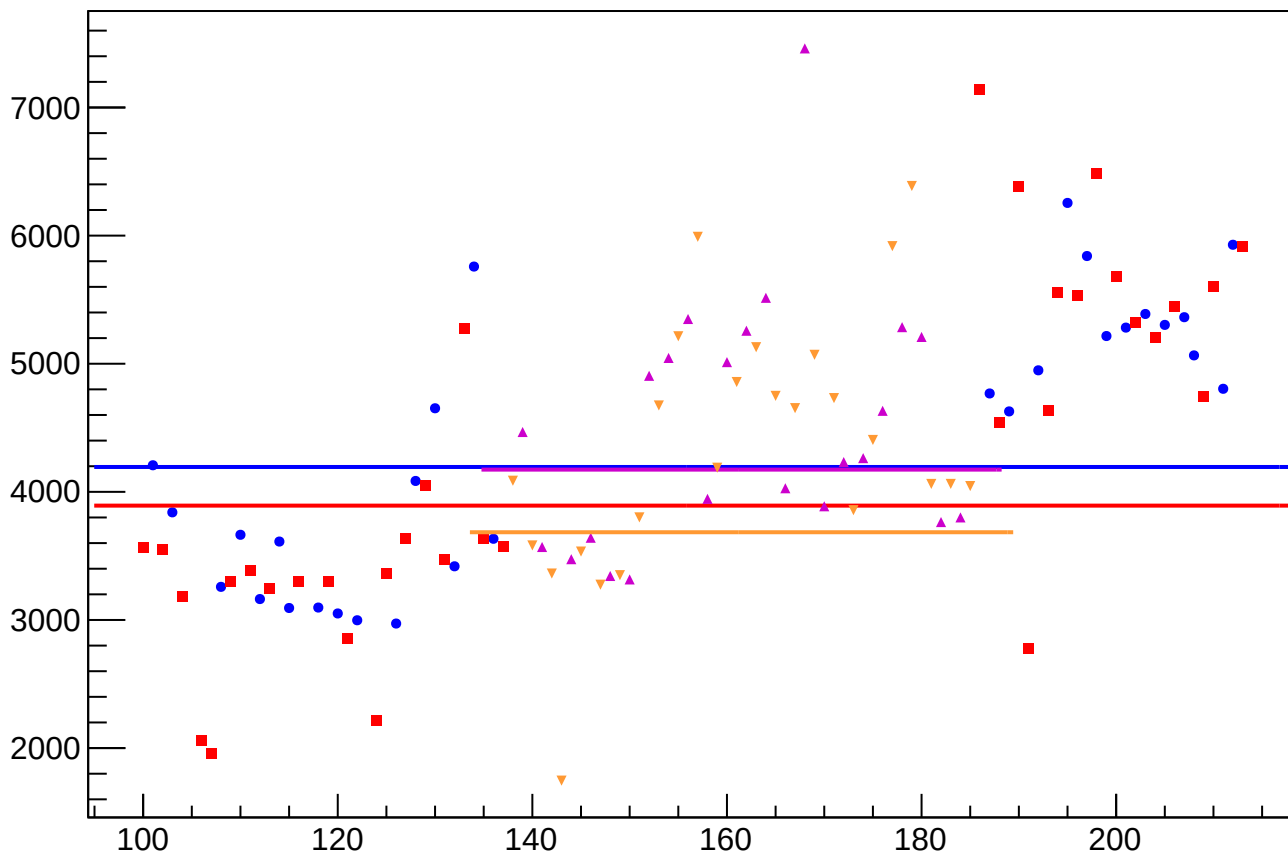
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF:14.0/22

+ sign 7.866 $\pm$ 673.454 χ^2 /NDF: 57.8/53

All: -246.406 $\pm$ 480.304 χ^2 /NDF: 114.4/110

- sign -509.628 $\pm$ 685.203 χ^2 /NDF: 56.3/56

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732 χ^2/NDF : 1869244.5/28

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3892.503 $\pm$ 0.668 χ^2/NDF : 3438125.0/33

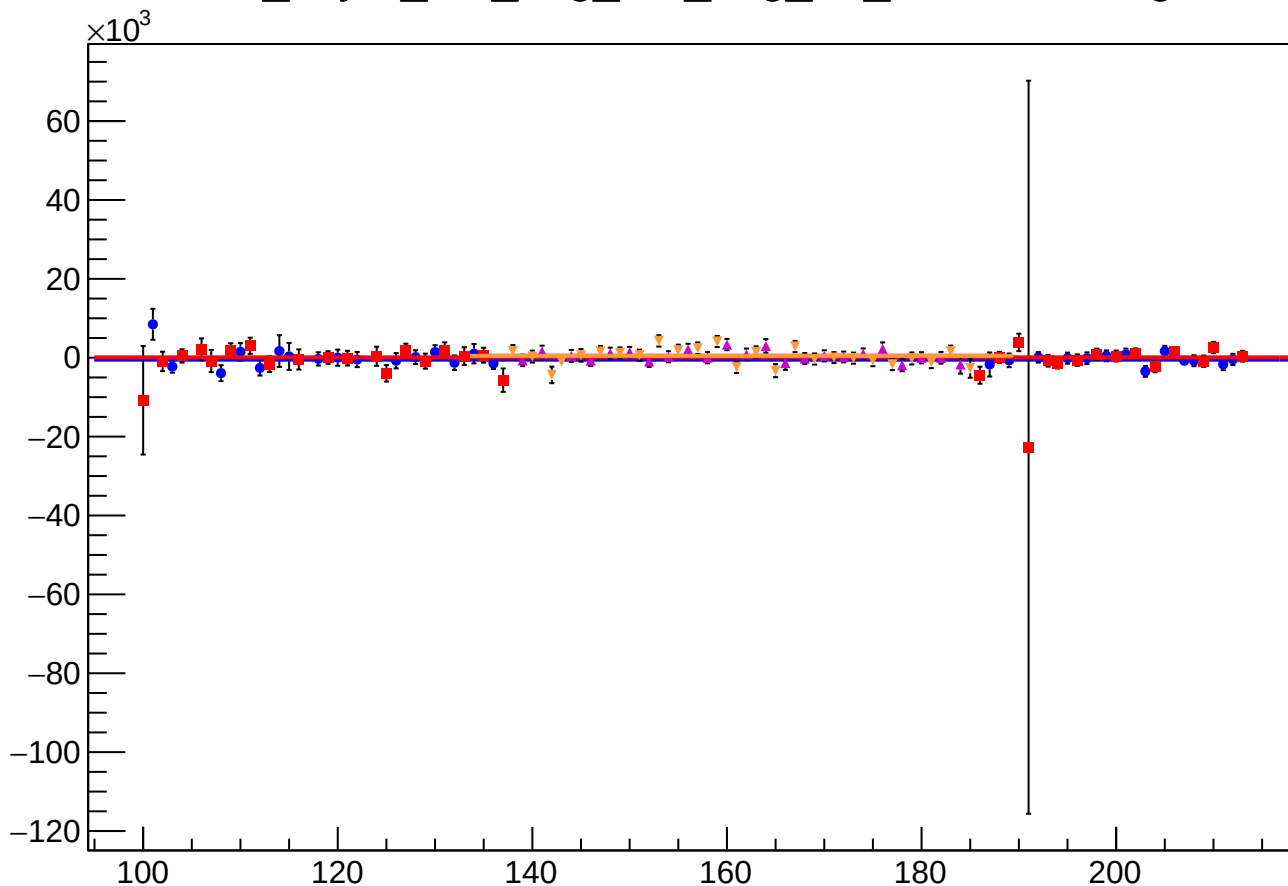
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3900.165 $\pm$ 0.476 χ^2/NDF : 5842172.1/53

All: 3961.843 $\pm$ 0.340 χ^2/NDF : 10673295.3/100

- sign 4025.692 $\pm$ 0.485 χ^2/NDF : 4796981.6/56

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -490.729 ± 312.505 χ^2/NDF : 23.9/28

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 94.184 ± 303.071 χ^2/NDF : 32.7/33

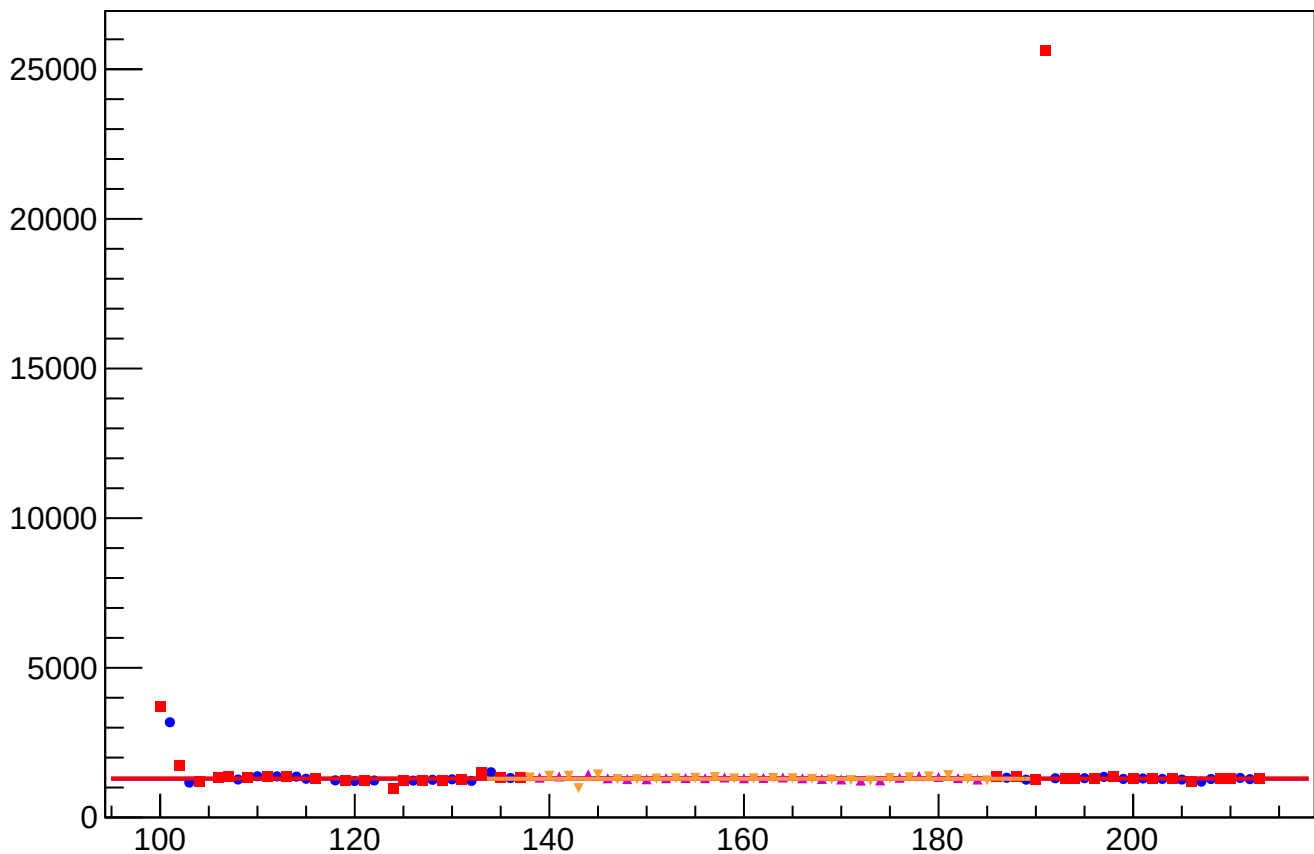
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 17.405 ± 214.232 χ^2/NDF : 73.0/53

All: 155.850 ± 152.001 χ^2/NDF : 124.9/110

- sign 296.198 ± 215.698 χ^2/NDF : 51.0/56

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1294.402 $\pm$ 0.221 χ^2 /NDF: 529767.8/28

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1300.970 $\pm$ 0.214 χ^2 /NDF: 378349.9/33

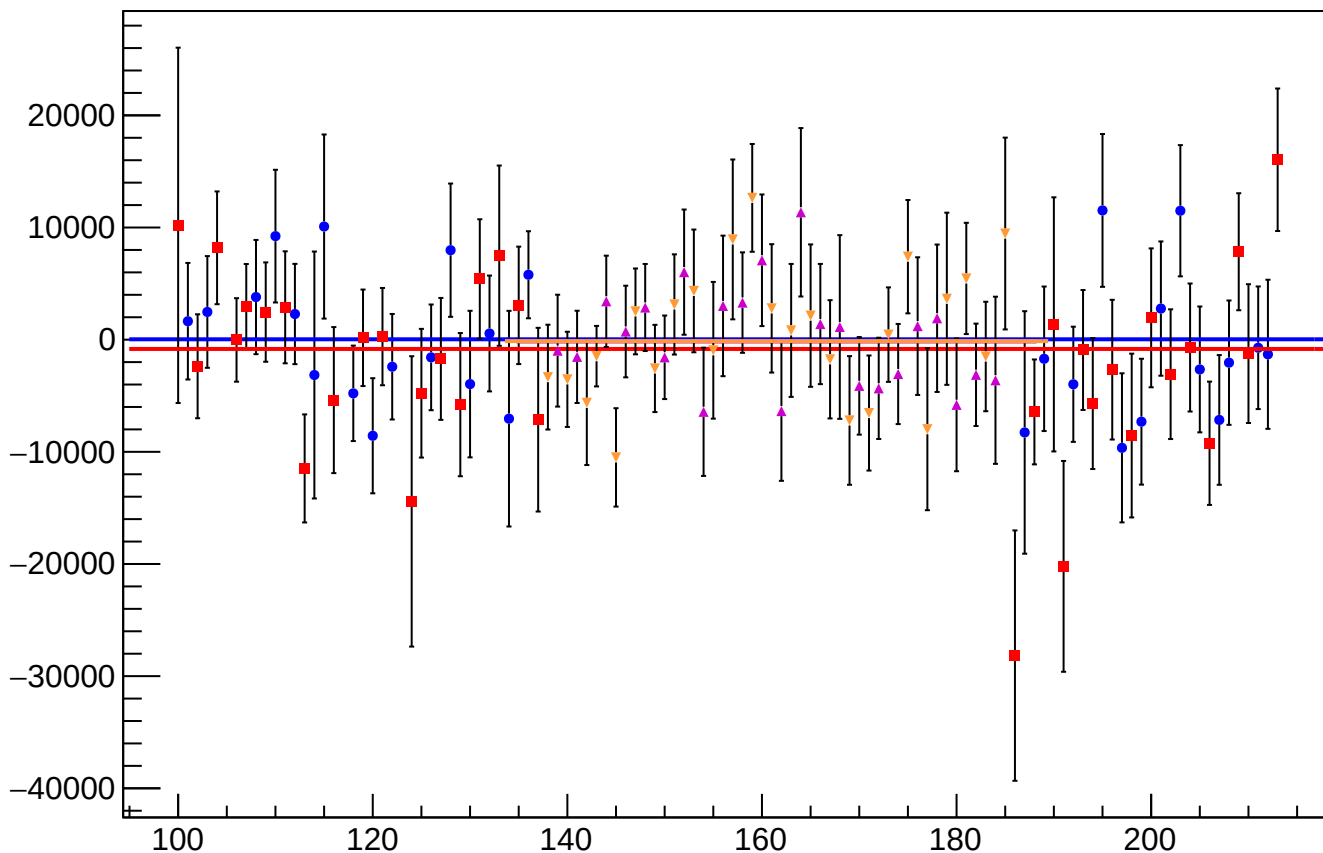
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1292.711 $\pm$ 0.151 χ^2 /NDF: 760613.5/53

All: 1300.007 $\pm$ 0.107 χ^2 /NDF: 1188505.2/11

- sign 1307.401 $\pm$ 0.152 χ^2 /NDF: 423221.0/56

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 34.054 $\pm$ 1041.721 χ^2 /NDF: 28.5/28

Left Out: -127.273 $\pm$ 977.231 χ^2 /NDF: 28.6/24

Right Out: -828.107 $\pm$ 960.639 χ^2 /NDF: 43.4/33

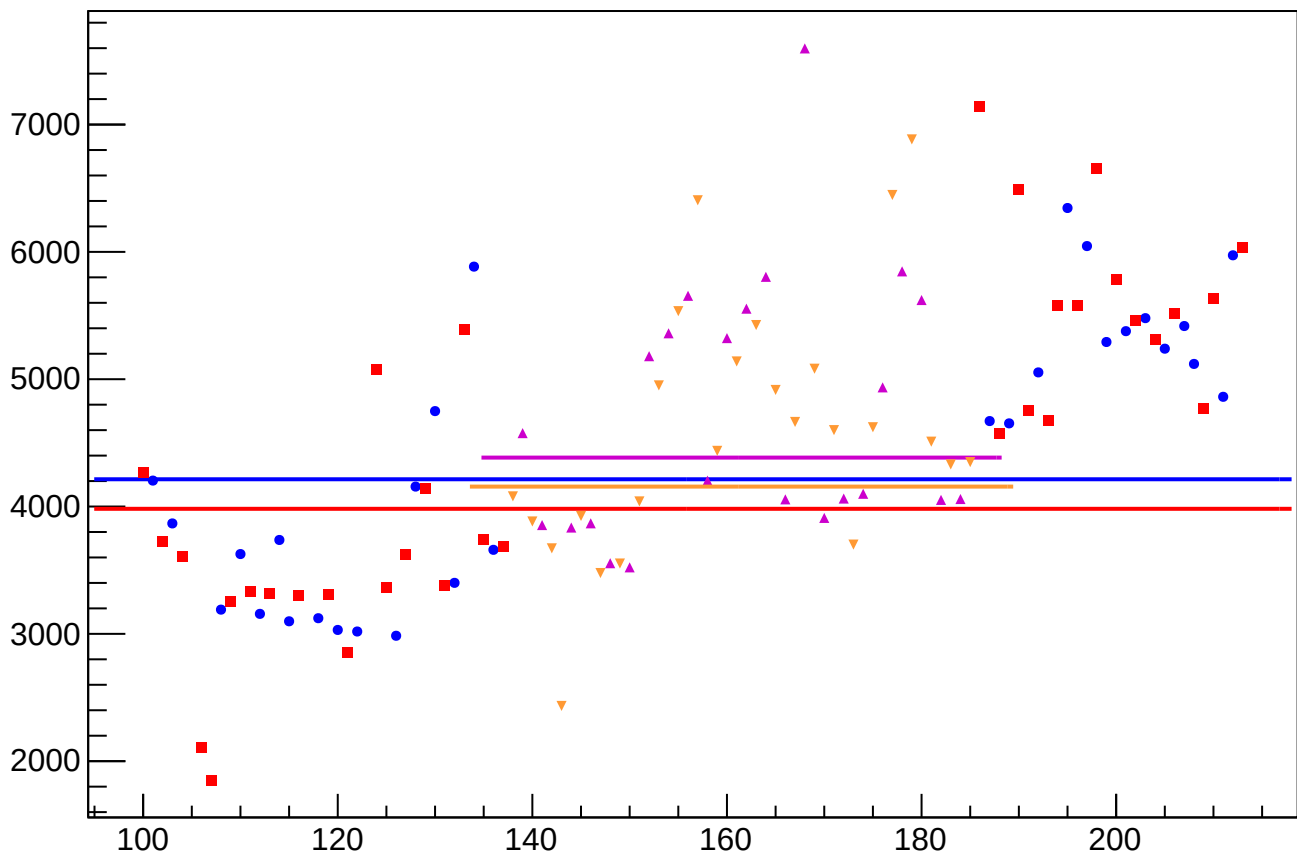
Left In: -159.452 $\pm$ 1045.510 χ^2 /NDF: 13.8/22

+ sign -51.757 $\pm$ 712.715 χ^2 /NDF: 57.1/53

All: -288.654 $\pm$ 502.068 χ^2 /NDF: 114.7/110

- sign -522.017 $\pm$ 707.378 χ^2 /NDF: 57.4/56

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 4214.129+/-0.737 χ^2/NDF : 1962126.5/28

Left Out: 4156.582+/-0.691 χ^2/NDF : 2080766.1/24

Right Out: 3982.098+/-0.679 χ^2/NDF : 3484602.3/33

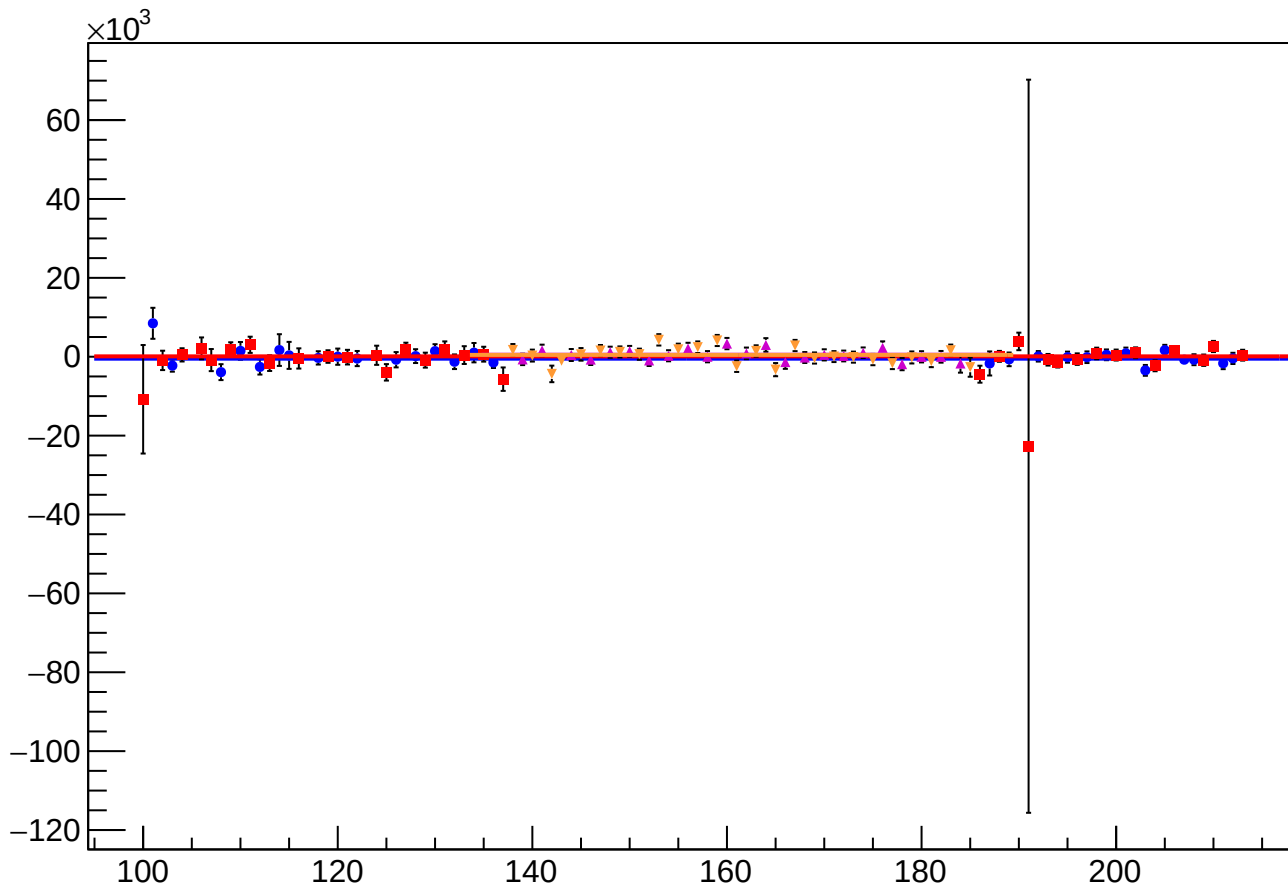
Left In: 4384.323+/-0.739 χ^2/NDF : 1255470.8/22

+ sign 4183.519+/-0.504 χ^2/NDF : 4046139.1/53

All: 4174.807+/-0.355 χ^2/NDF : 8947312.4/11

- sign 4166.225+/-0.500 χ^2/NDF : 4900580.1/56

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -490.730+/-312.505 χ^2 /NDF: 23.9/28

Left Out: 467.933+/-294.257 χ^2 /NDF: 44.1/24

Right Out: 94.185+/-303.071 χ^2 /NDF: 32.7/33

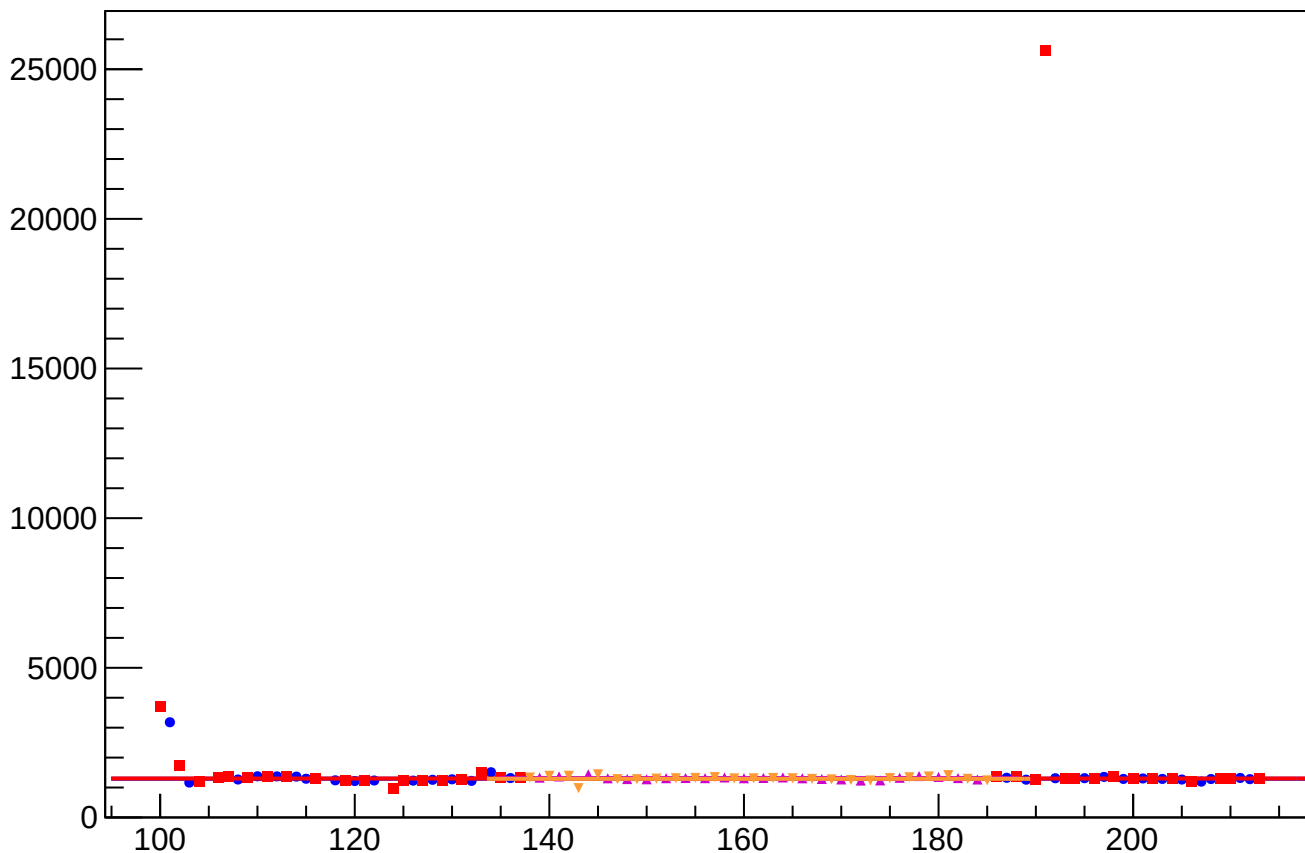
Left In: 503.558+/-307.056 χ^2 /NDF: 17.4/22

+ sign 17.406+/-214.232 χ^2 /NDF: 73.0/53

All: 155.851+/-152.001 χ^2 /NDF: 124.9/110

- sign 296.198+/-215.699 χ^2 /NDF: 51.0/56

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1294.402+/-0.221 χ^2/NDF : 529767.9/28

Left Out: 1291.212+/-0.208 χ^2/NDF : 230737.6/24

Right Out: 1300.970+/-0.214 χ^2/NDF : 378350.0/33

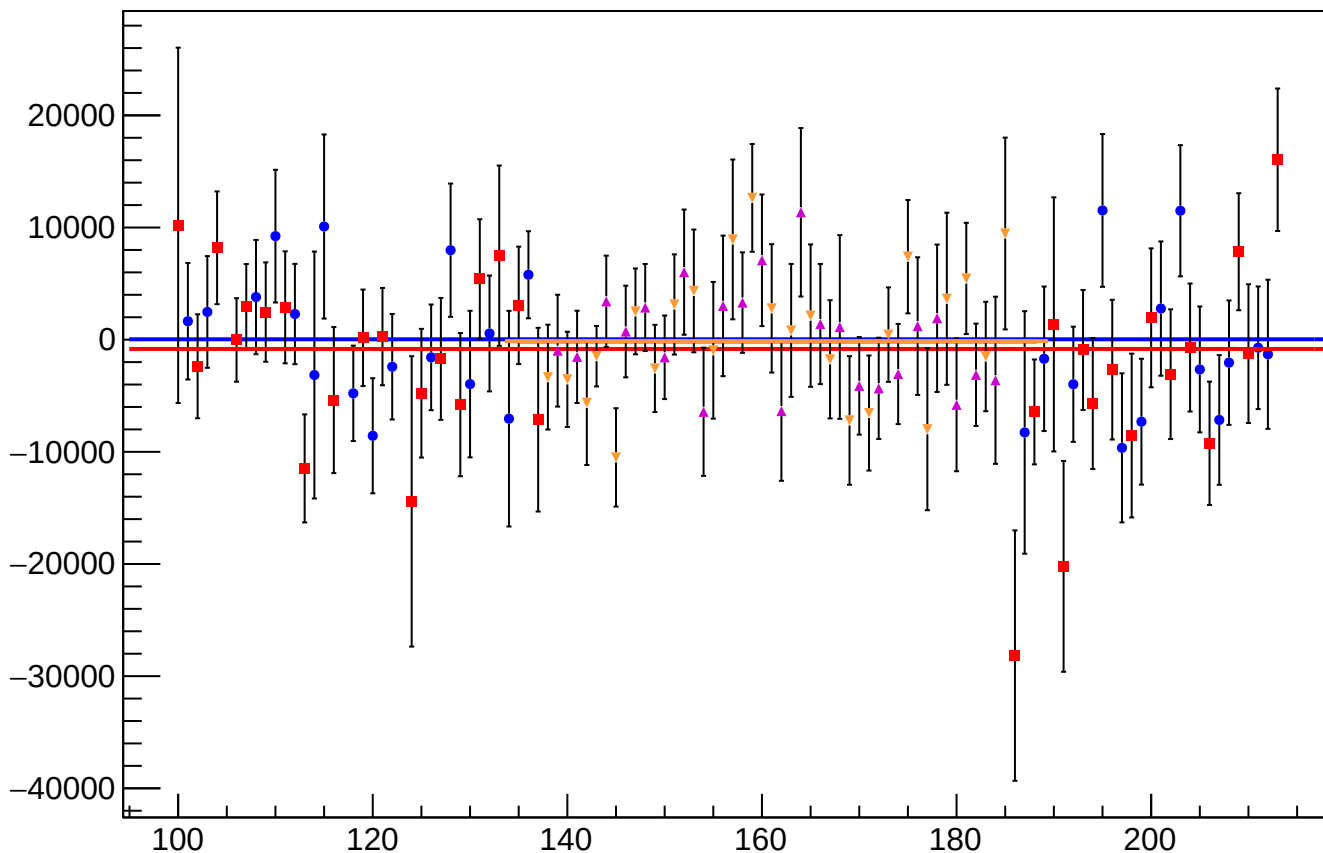
Left In: 1314.007+/-0.217 χ^2/NDF : 43046.8/22

+ sign 1292.711+/-0.151 χ^2/NDF : 760616.0/53

All: 1300.007+/-0.107 χ^2/NDF : 1188510.3/11

- sign 1307.402+/-0.152 χ^2/NDF : 423223.6/56

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 34.051 $\pm$ 1041.720 χ^2 /NDF: 28.5/28

Left Out: -127.271 $\pm$ 977.232 χ^2 /NDF: 28.6/24

Right Out: -828.101 $\pm$ 960.638 χ^2 /NDF: 43.4/33

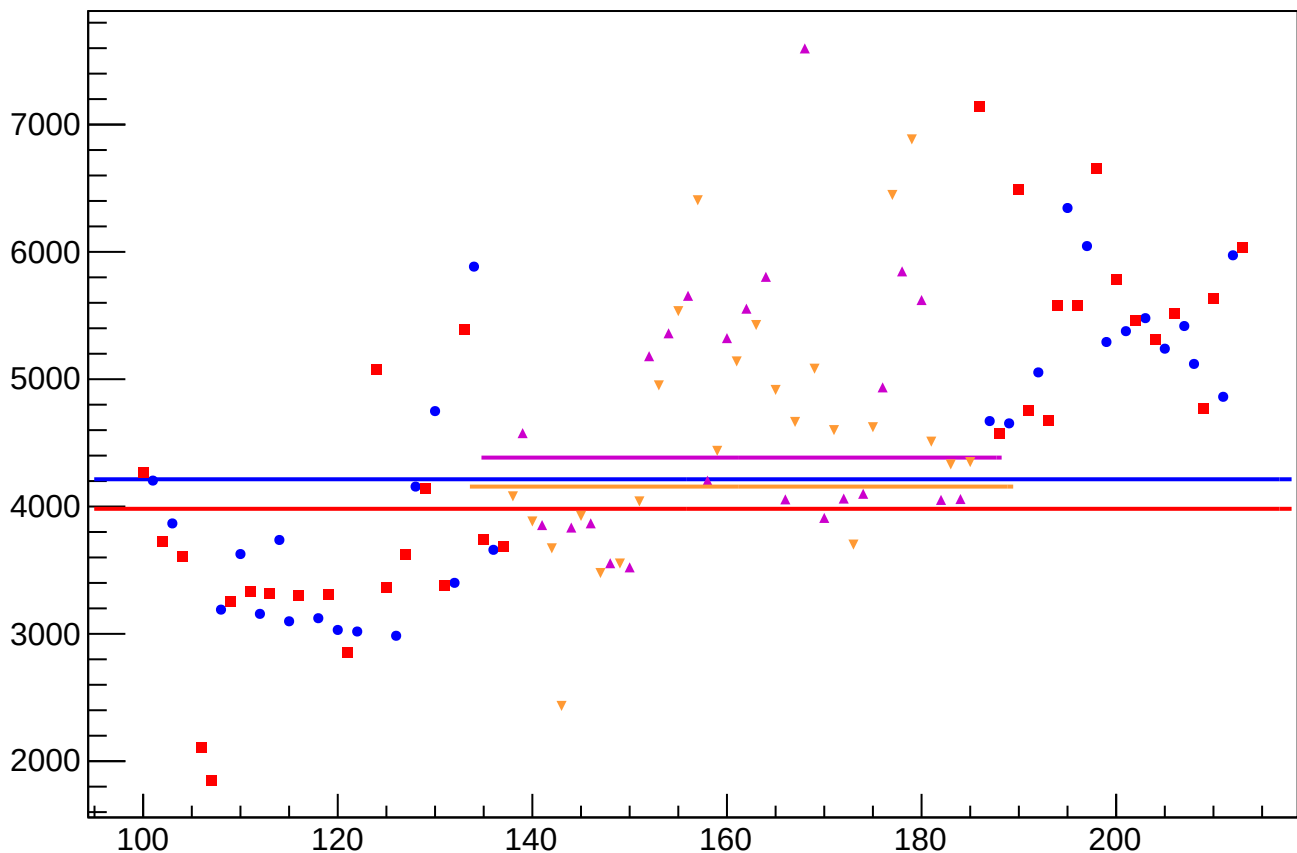
Left In: -159.454 $\pm$ 1045.511 χ^2 /NDF: 13.8/22

+ sign -51.757 $\pm$ 712.716 χ^2 /NDF: 57.1/53

All: -288.654 $\pm$ 502.068 χ^2 /NDF: 114.7/110

- sign -522.015 $\pm$ 707.379 χ^2 /NDF: 57.4/56

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 4214.124 $\pm$ 0.737 χ^2 /NDF: 1962162.4/28

Left Out: 4156.588 $\pm$ 0.691 χ^2 /NDF: 2080769.0/24

+ sign 4183.520 $\pm$ 0.504 χ^2 /NDF: 4046176.5/53

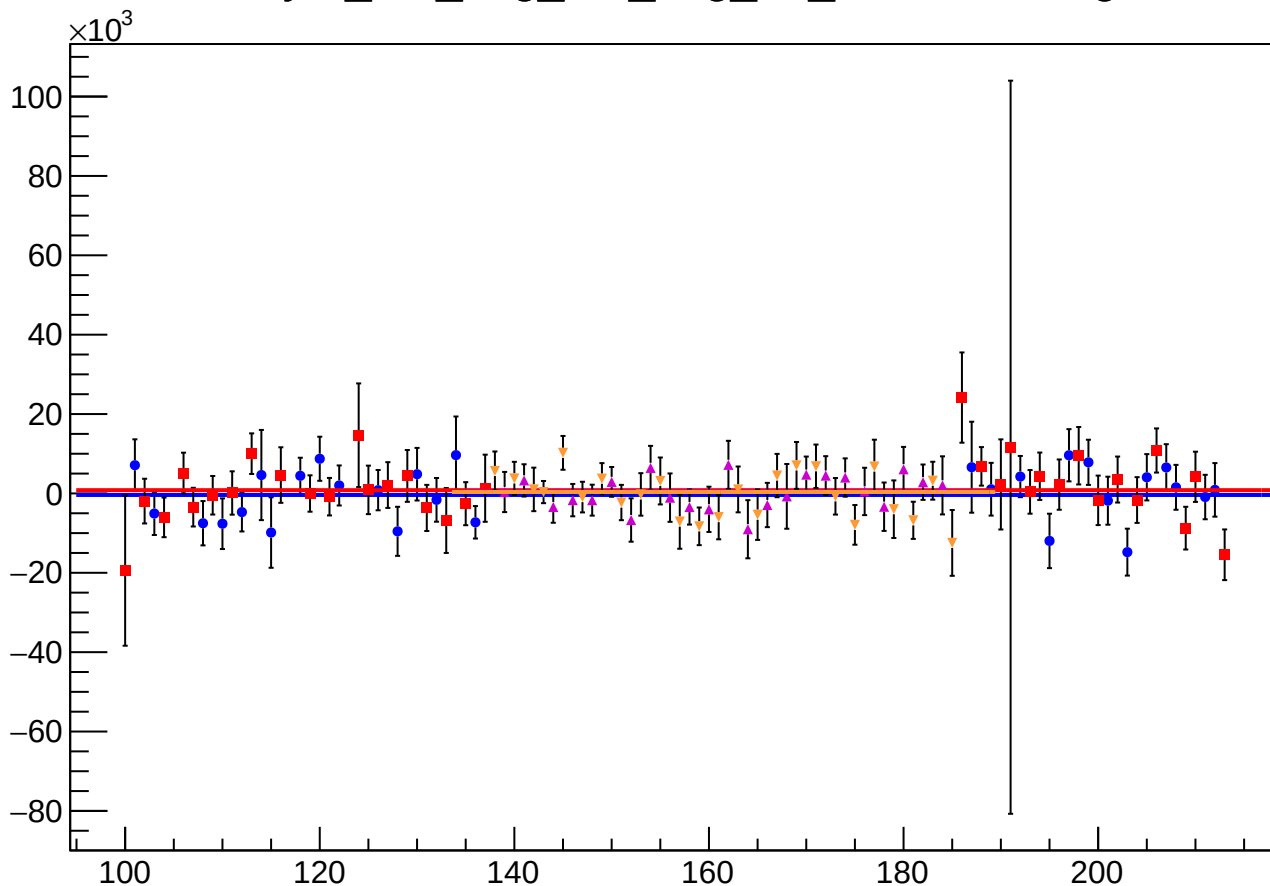
Right Out: 3982.092 $\pm$ 0.679 χ^2 /NDF: 3484636.6/33

All: 4174.807 $\pm$ 0.355 χ^2 /NDF: 8947398.5/11

Left In: 4384.329 $\pm$ 0.739 χ^2 /NDF: 1255475.0/22

- sign 4166.224 $\pm$ 0.500 χ^2 /NDF: 4900628.6/56

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -388.617 ± 1097.646 χ^2/NDF : 34.6/28

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 822.015 ± 1039.558 χ^2/NDF : 33.2/33

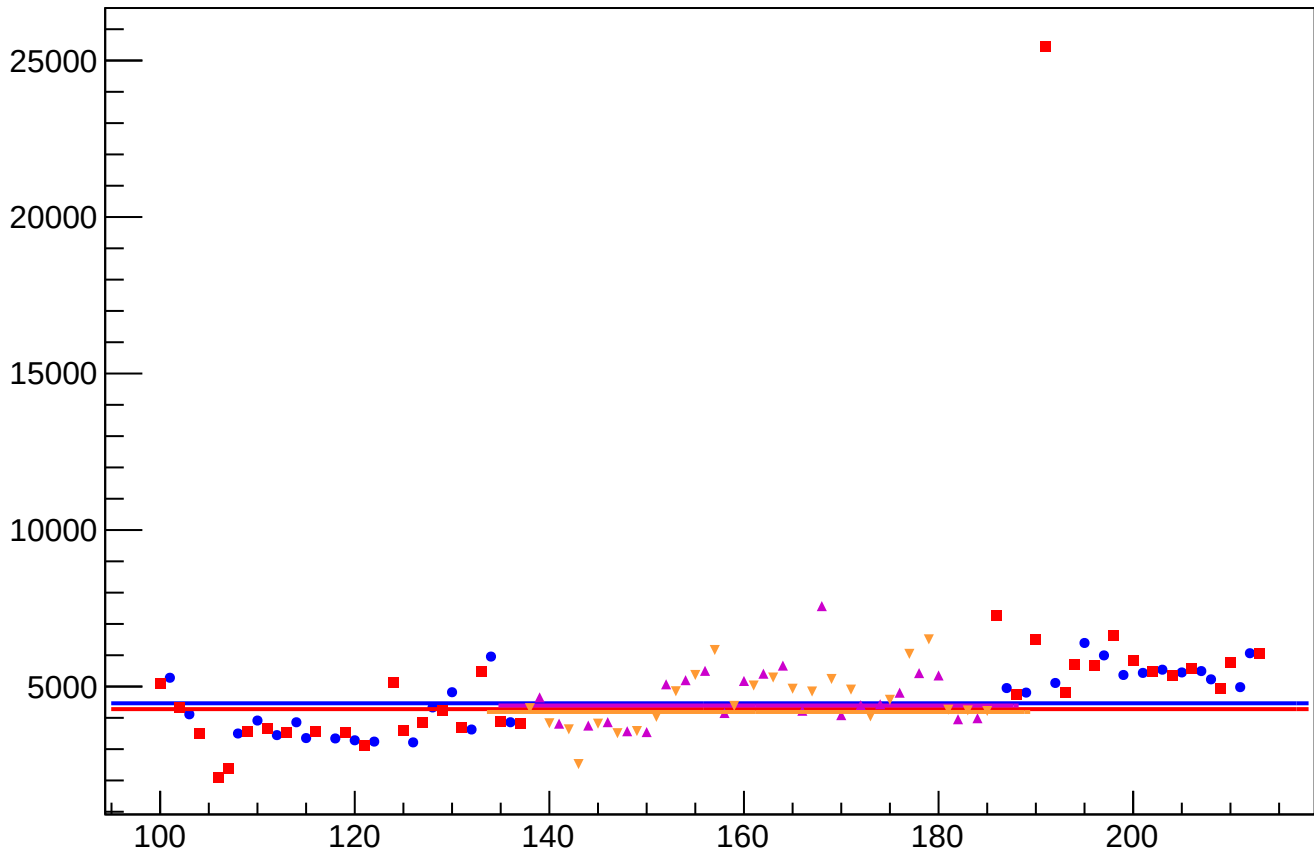
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 29.406 ± 730.974 χ^2/NDF : 62.5/53

All: 342.443 ± 518.957 χ^2/NDF : 110.0/110

- sign 660.570 ± 736.892 χ^2/NDF : 47.1/56

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4465.044+/-0.776 χ^2/NDF : 1592301.9/28

Left Out: 4187.848+/-0.693 χ^2/NDF : 1796345.9/24

Right Out: 4278.738+/-0.729 χ^2/NDF : 2771161.8/33

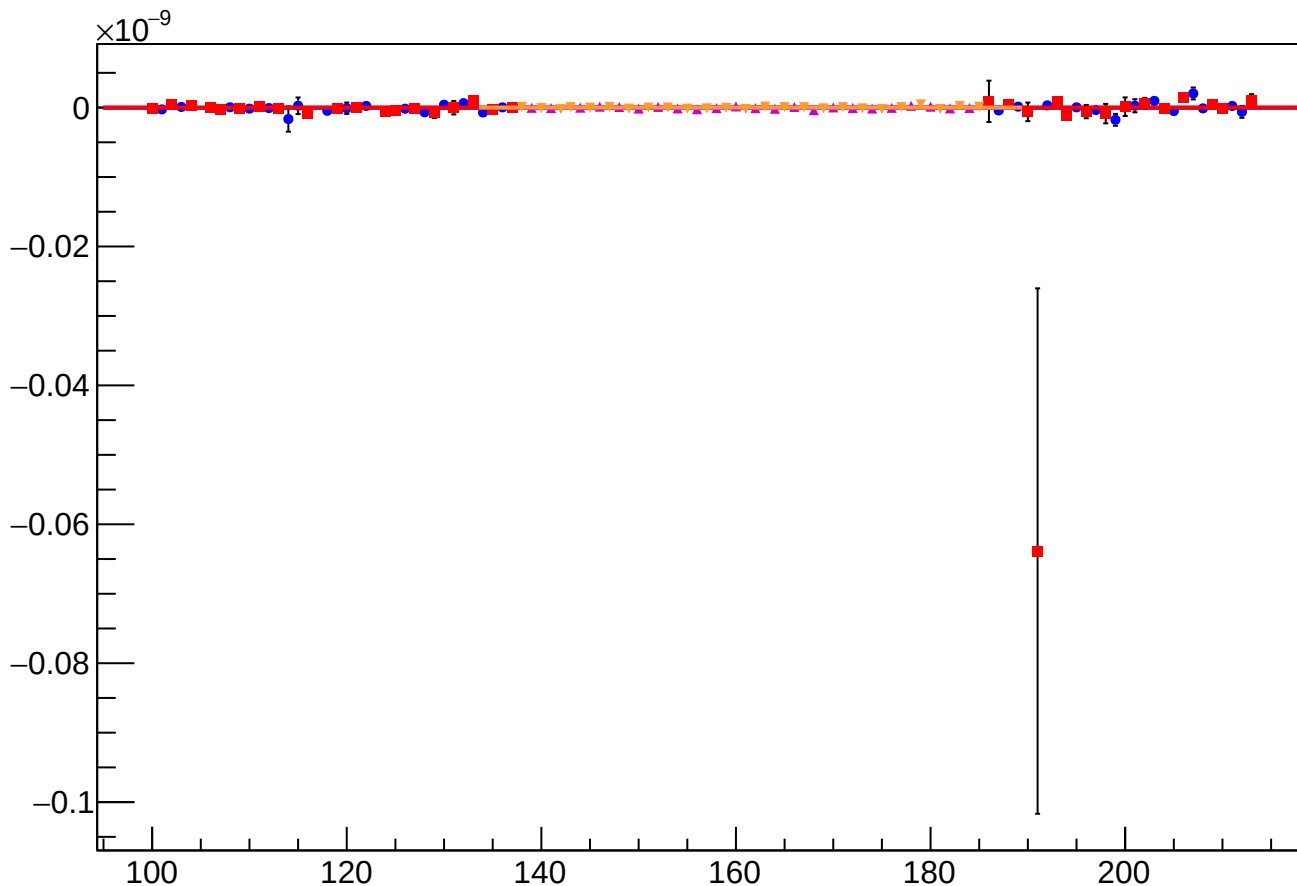
Left In: 4394.324+/-0.739 χ^2/NDF : 1088394.9/22

+ sign 4310.781+/-0.517 χ^2/NDF : 3459631.4/53

All: 4323.224+/-0.366 χ^2/NDF : 7332755.6/11

- sign 4335.762+/-0.519 χ^2/NDF : 3871960.7/56

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 35.3/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 35.3/33

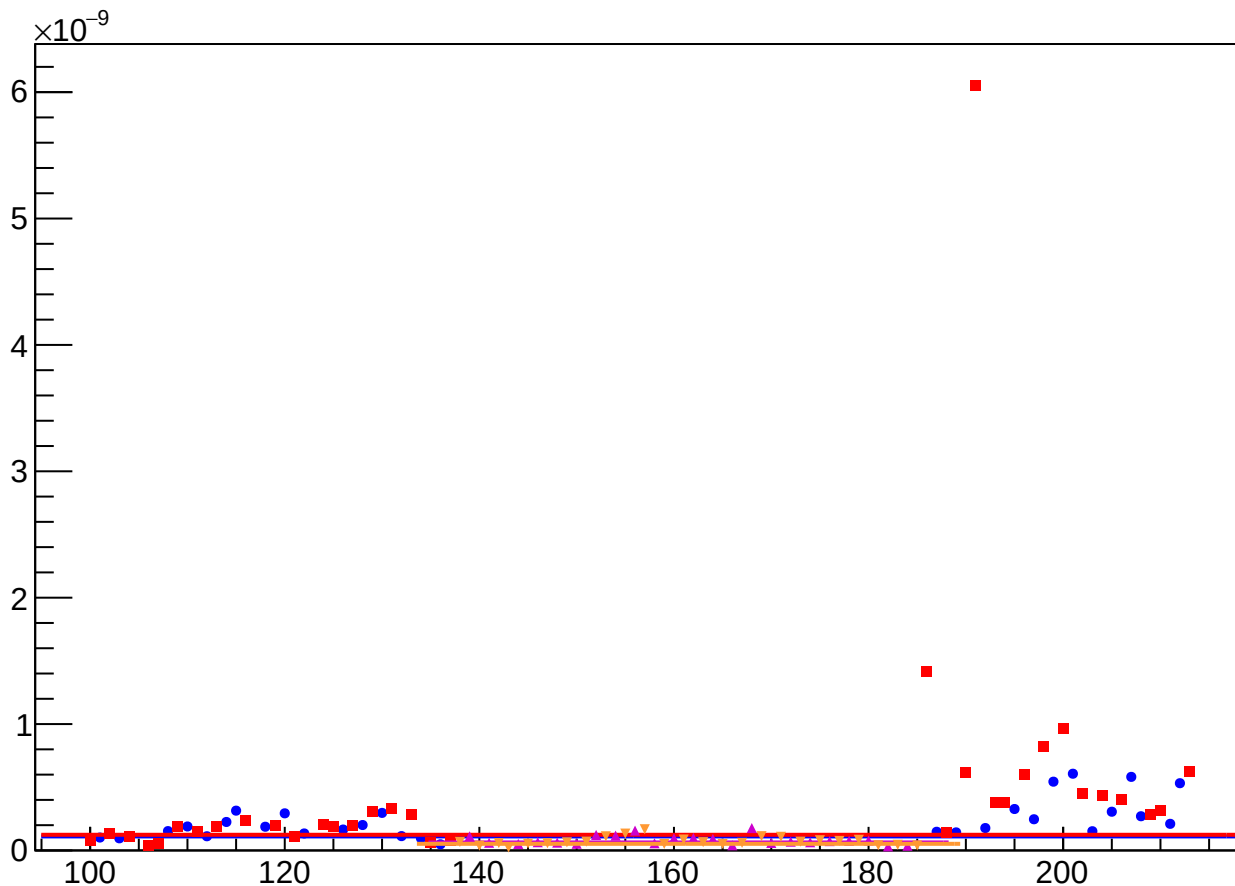
Left In: -0.000+/-0.000 χ^2 /NDF: 17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 65.8/53

All: -0.000+/-0.000 χ^2 /NDF: 118.4/110

- sign -0.000+/-0.000 χ^2 /NDF: 52.4/56

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4926494.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7511016.6/33

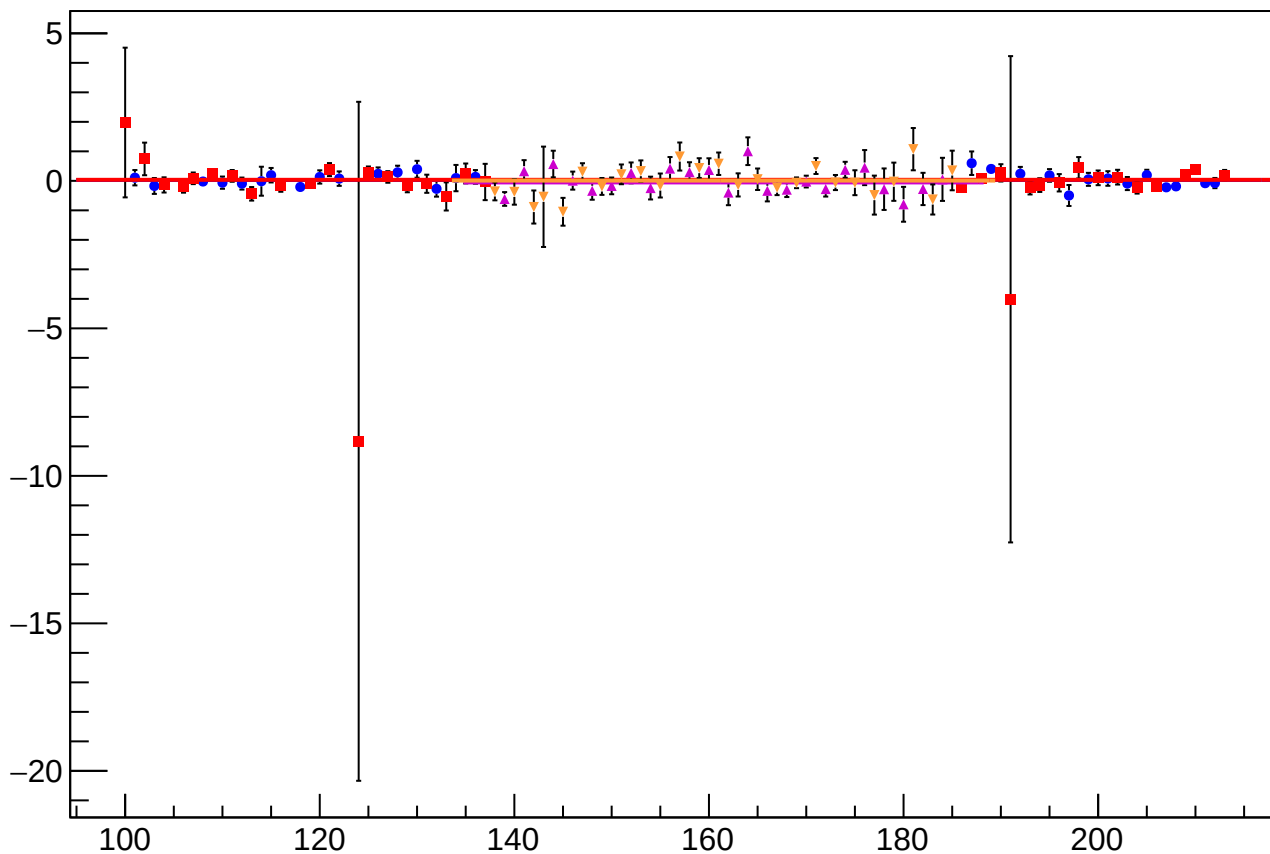
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9518616.7/53

All: 0.000+/-0.000 χ^2/NDF : 20850435.4/110

- sign 0.000+/-0.000 χ^2/NDF : 11026693.3/56

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

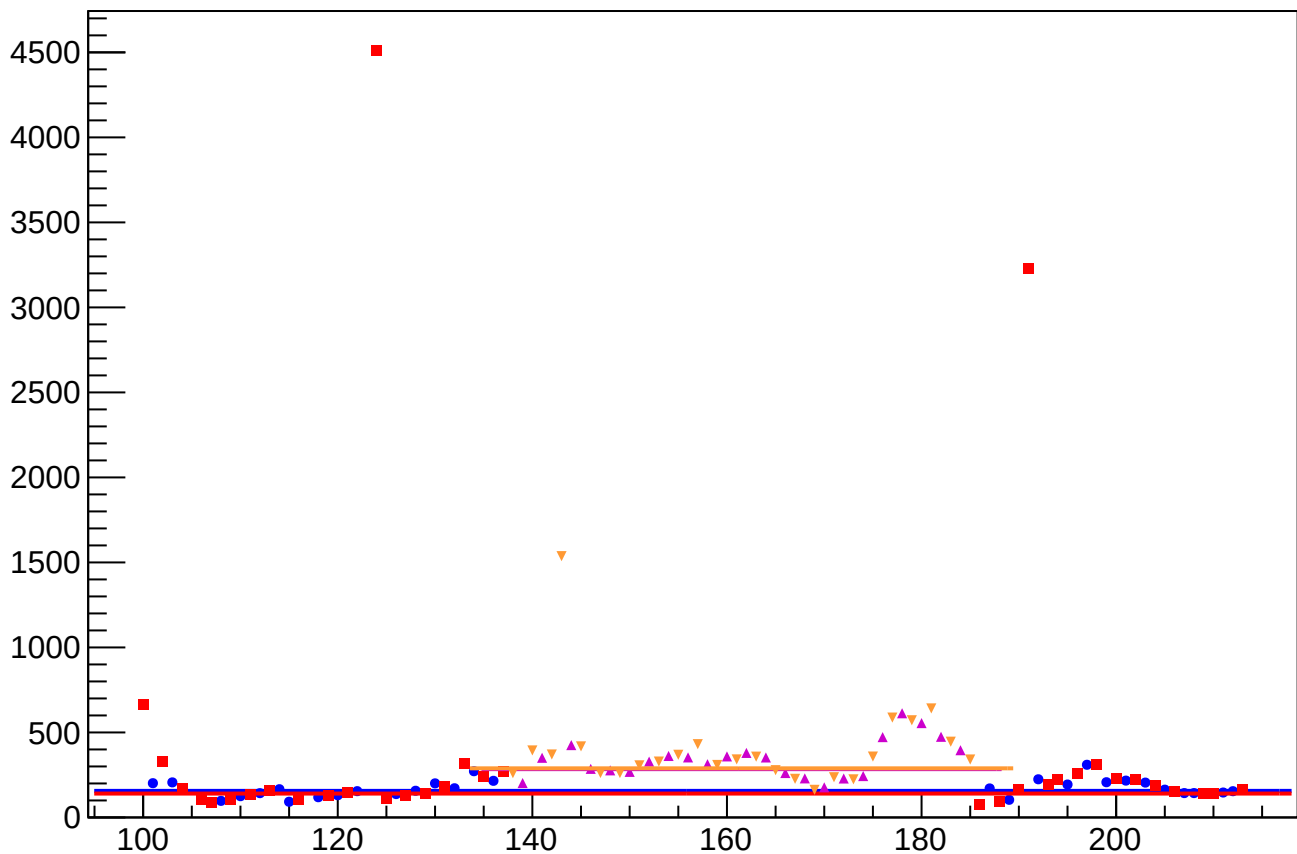
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259862.8/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF : 4720476.5/33

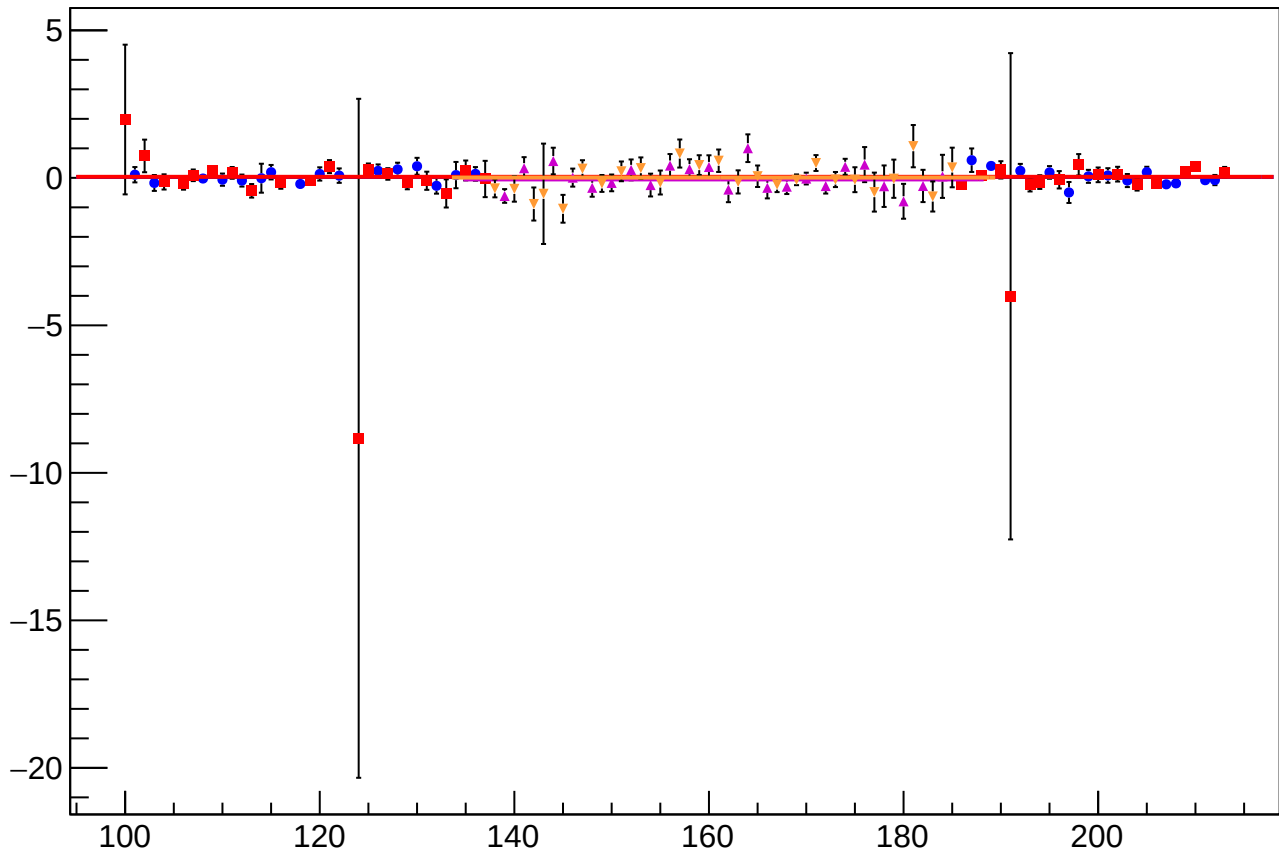
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 187.746+/-0.024 χ^2/NDF : 12228425.8/53

All: 178.134+/-0.017 χ^2/NDF : 26933439.9/1

- sign 169.960+/-0.023 χ^2/NDF : 14419021.1/56

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

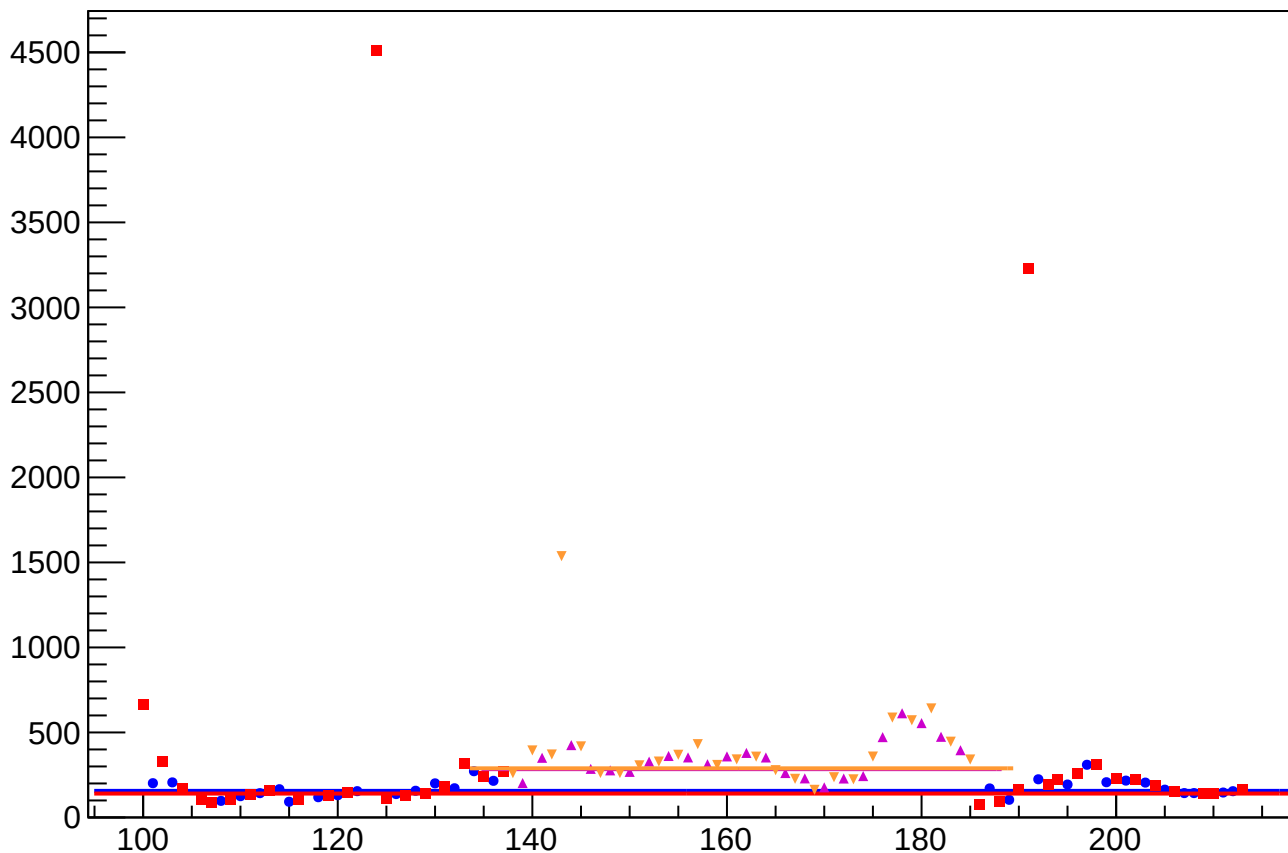
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259862.8/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 140.487 $\pm$ 0.025 χ^2 /NDF: 4720476.5/33

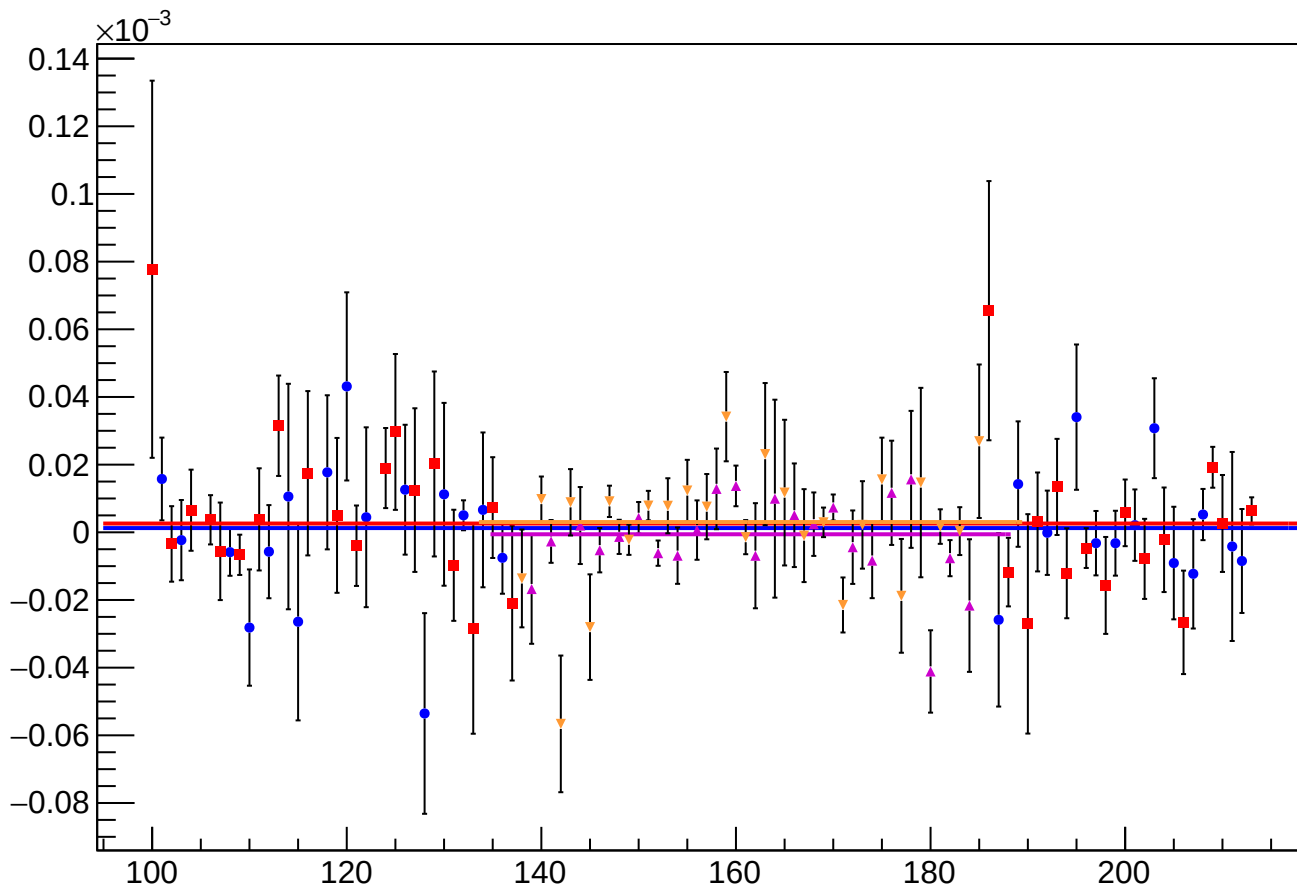
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 187.746 $\pm$ 0.024 χ^2 /NDF: 12228425.8/53

All: 178.134 $\pm$ 0.017 χ^2 /NDF: 26933439.9/1

- sign 169.960 $\pm$ 0.023 χ^2 /NDF: 14419021.1/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.6/33

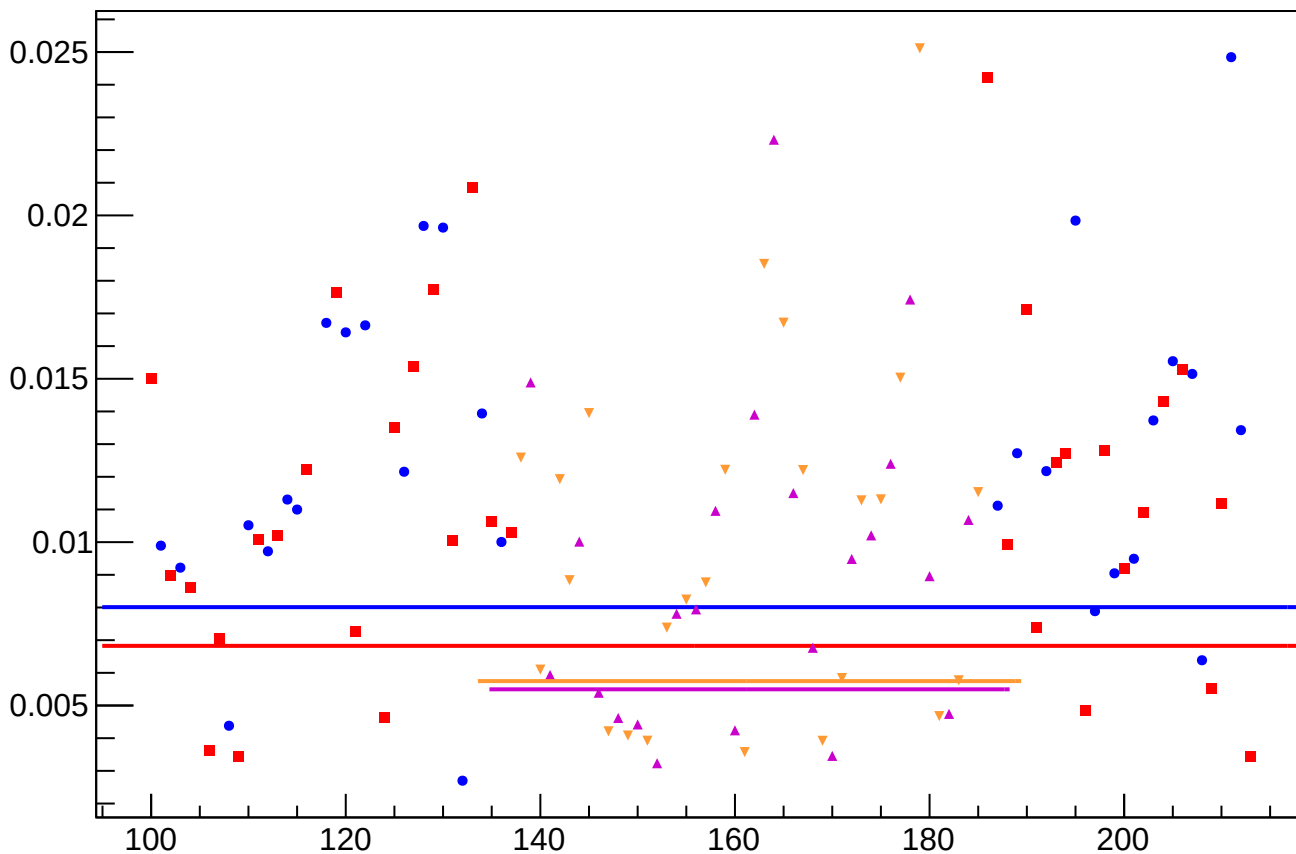
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 143.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8483072.5/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8640607.2/33

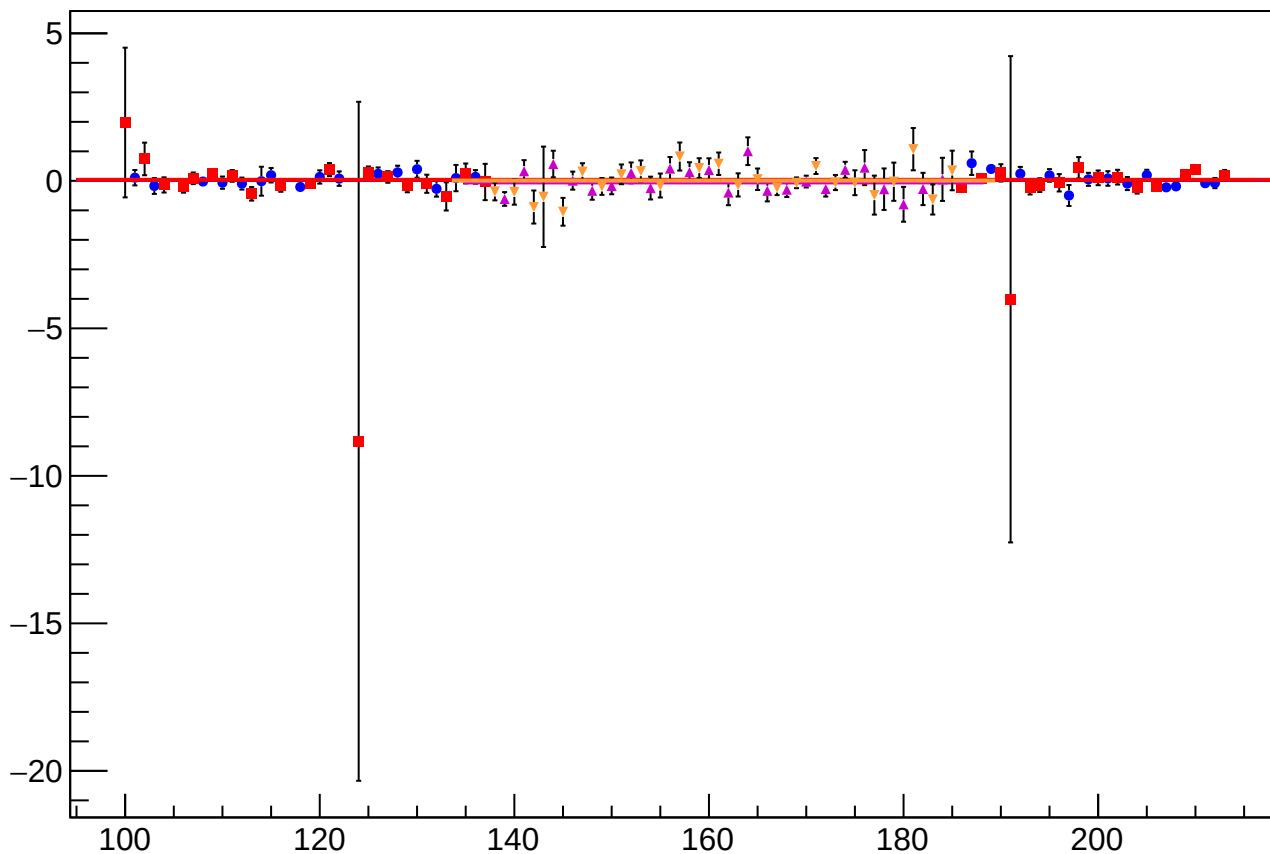
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 17991088.4/53

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 34307175.0/110

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16194748.4/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 ± 0.040 χ^2/NDF : 27.6/28

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.035 ± 0.036 χ^2/NDF : 40.7/33

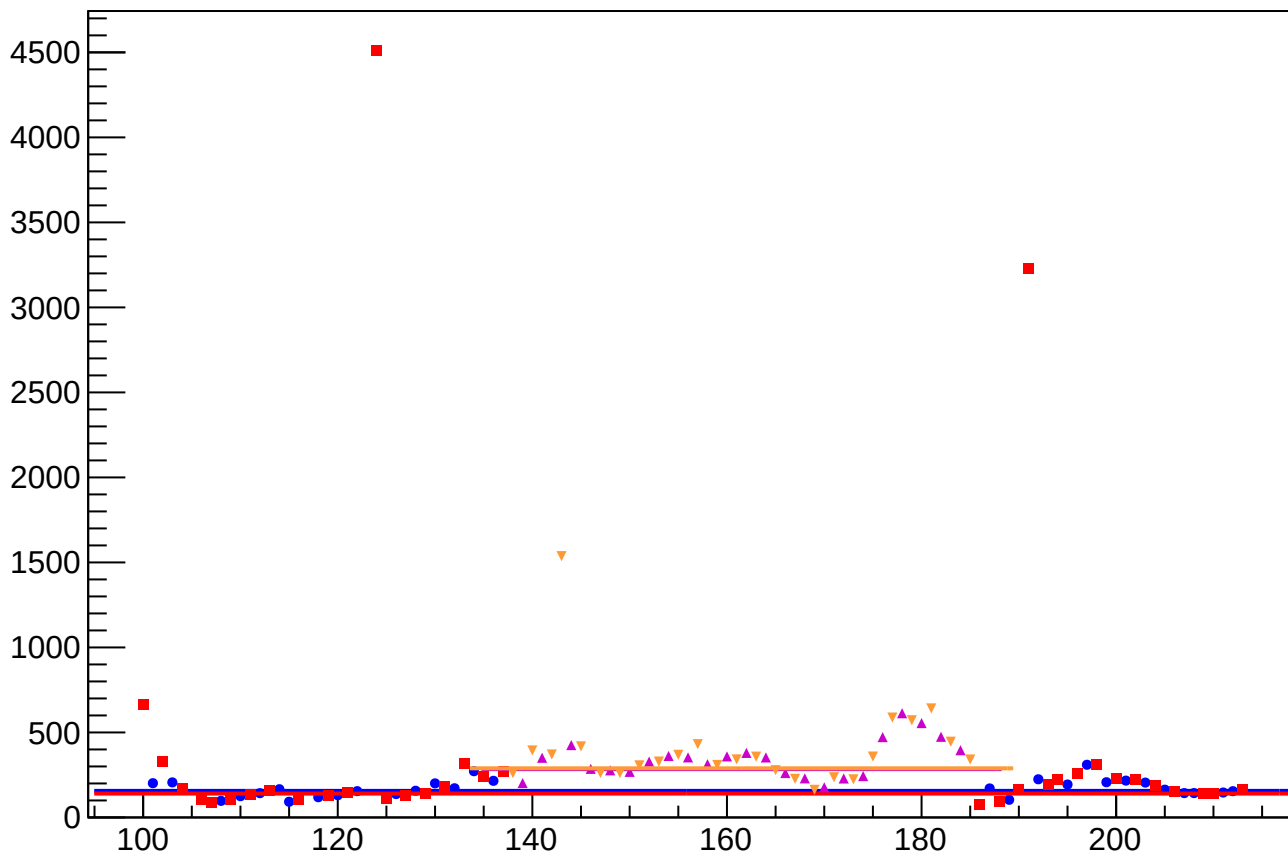
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.024 ± 0.035 χ^2/NDF : 56.5/53

All: 0.020 ± 0.023 χ^2/NDF : 126.2/110

- sign 0.017 ± 0.032 χ^2/NDF : 69.7/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259840.6/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF : 4720310.1/33

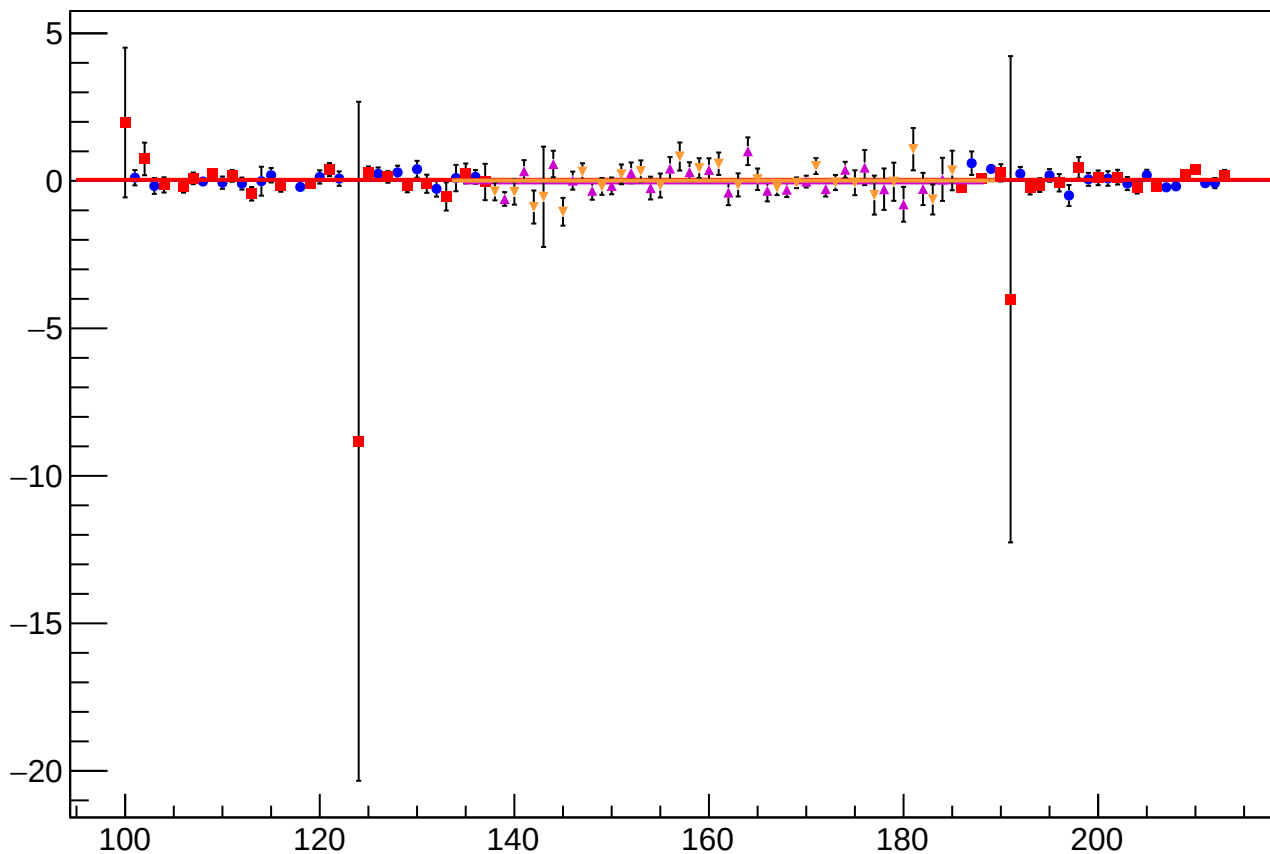
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 187.747+/-0.024 χ^2/NDF : 12228512.1/53

All: 178.136+/-0.017 χ^2/NDF : 26933313.2/11

- sign 169.962+/-0.023 χ^2/NDF : 14418846.9/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

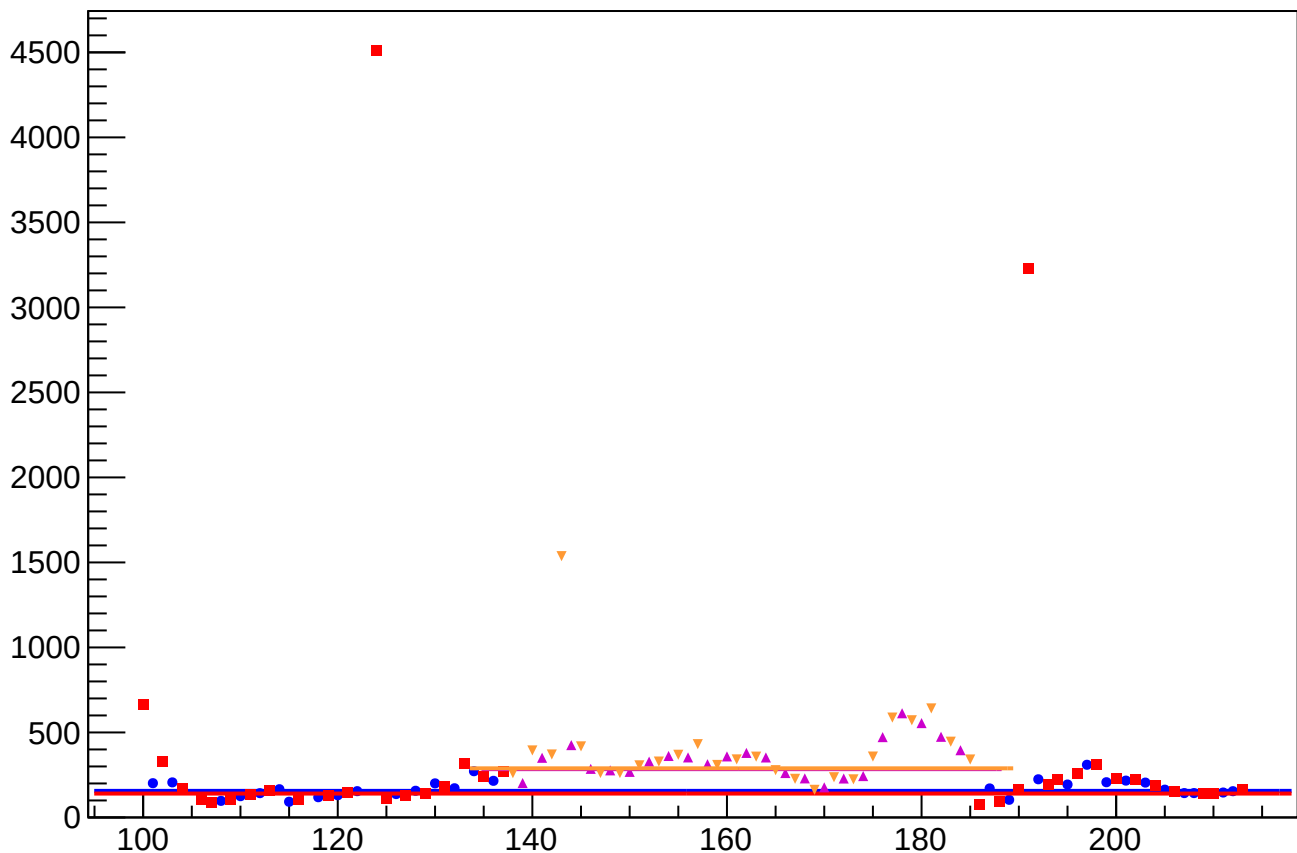
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259840.6/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF : 4720310.1/33

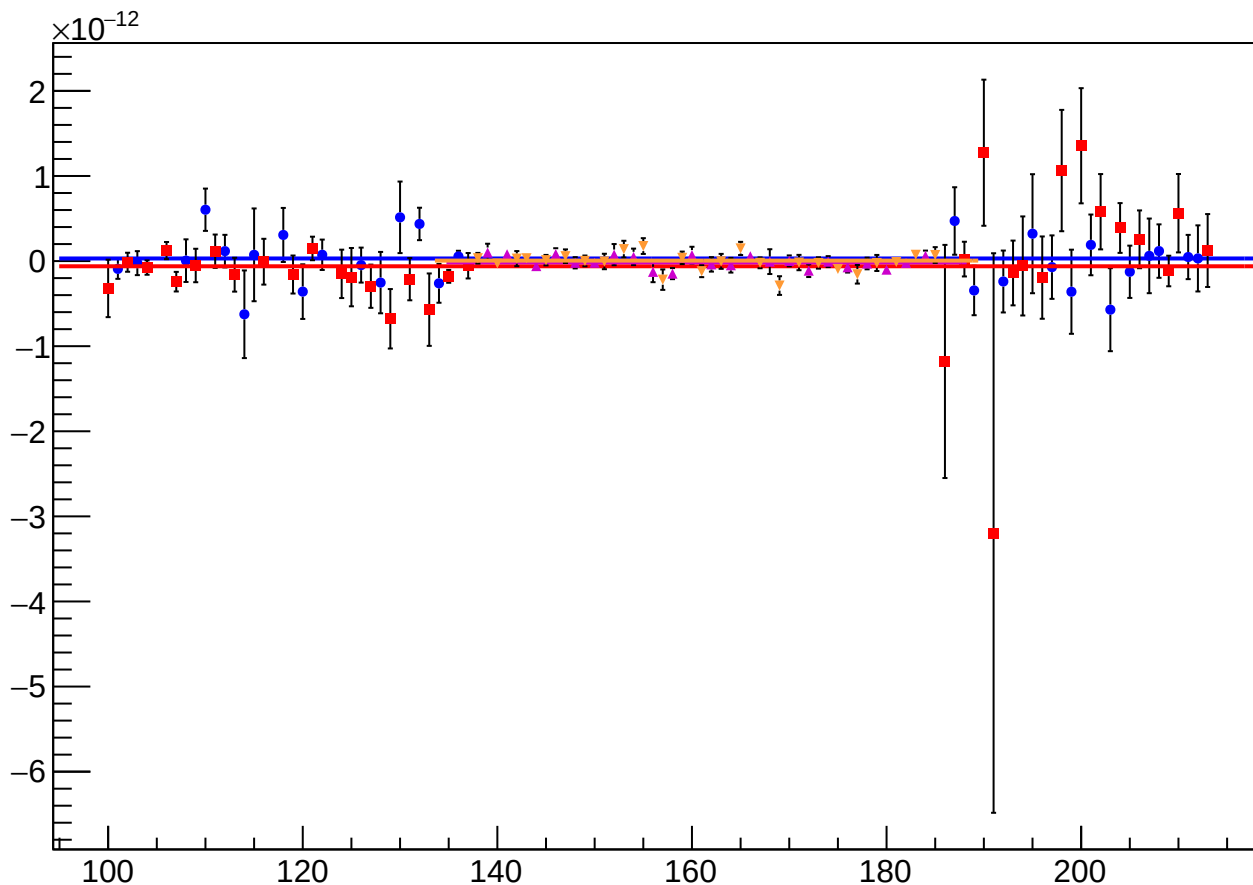
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 187.747+/-0.024 χ^2/NDF : 12228512.1/53

All: 178.136+/-0.017 χ^2/NDF : 26933313.2/100

- sign 169.962+/-0.023 χ^2/NDF : 14418846.9/56

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/33

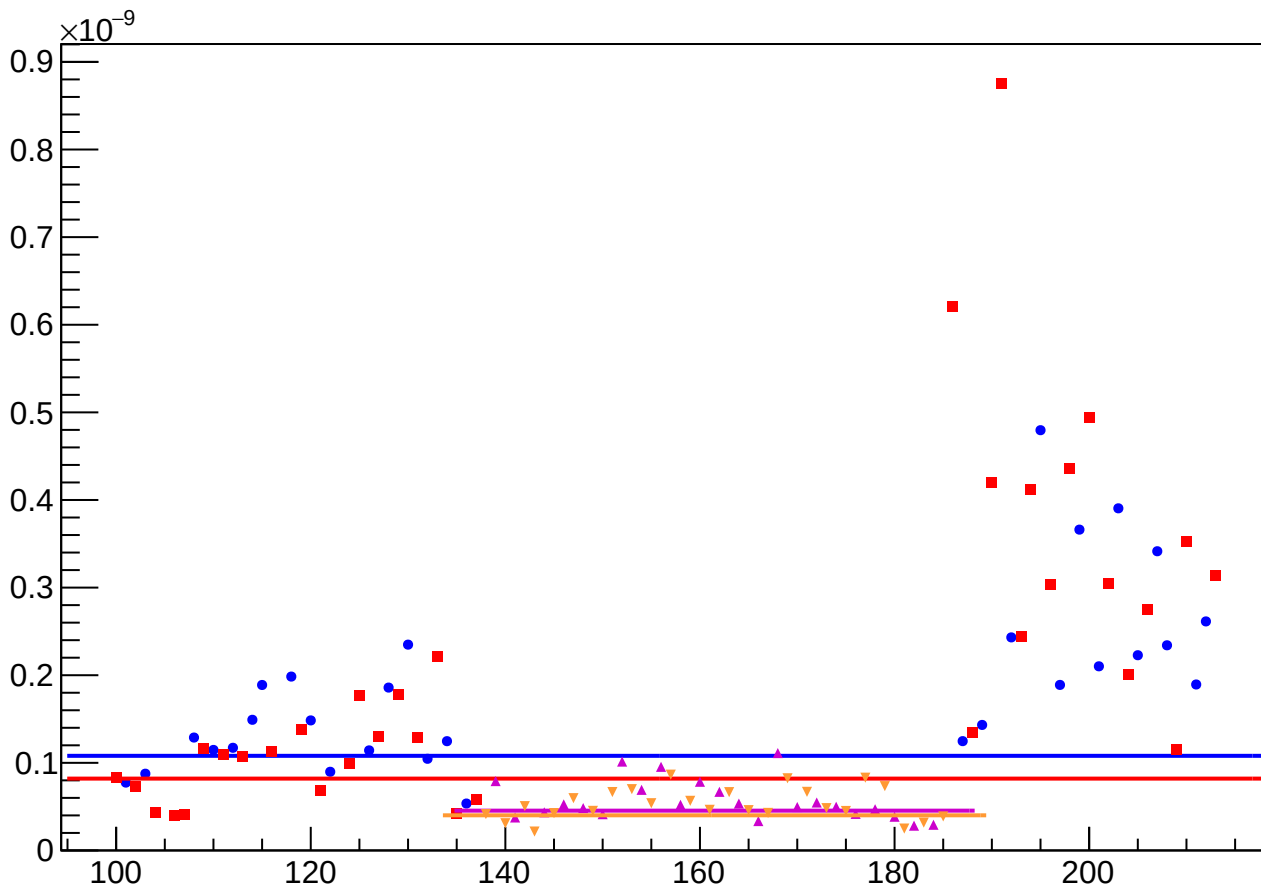
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 125.2/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/56

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6105920.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 8993126.0/33

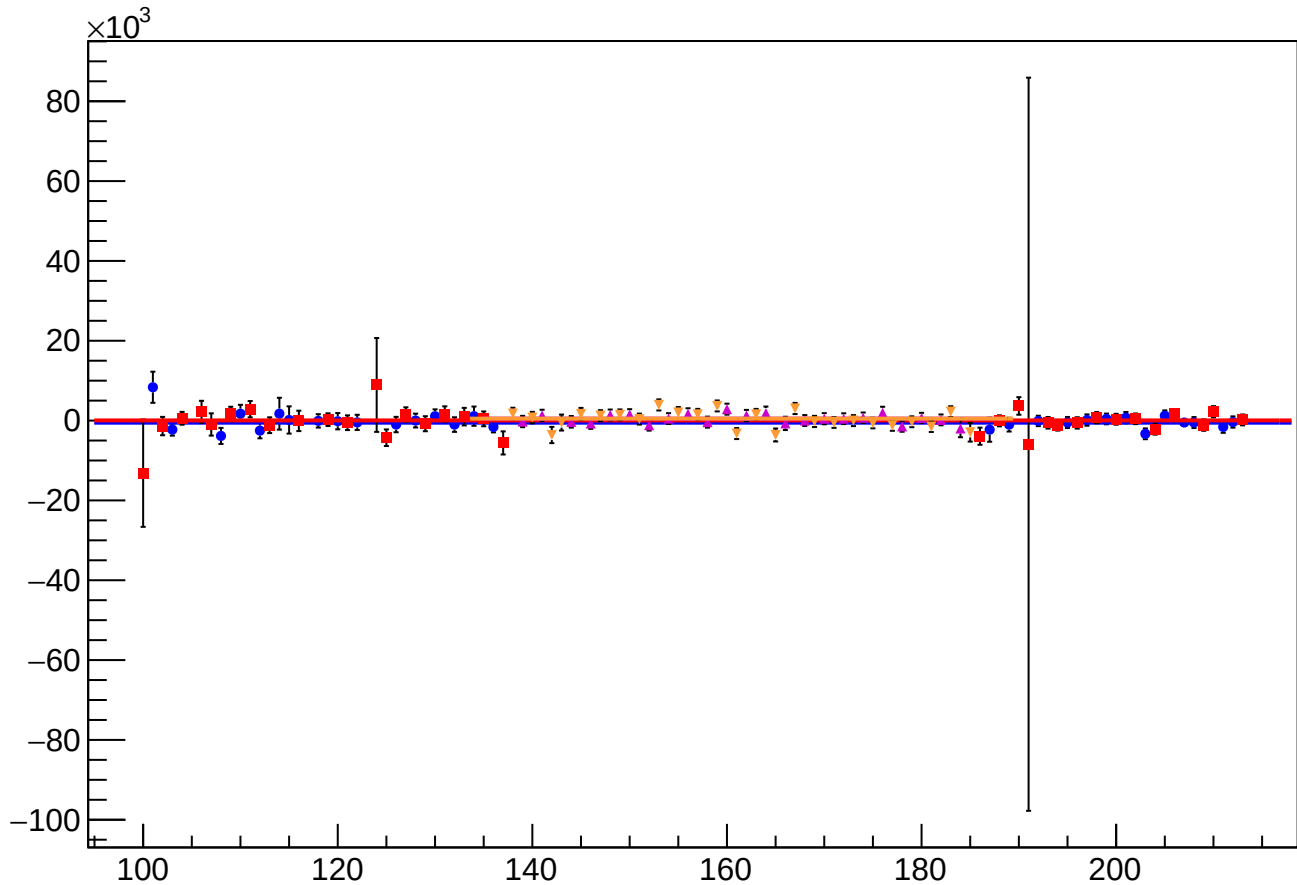
Left In: 0.000 ± 0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 15143924.1/53

All: 0.000 ± 0.000 χ^2/NDF : 29266563.5/110

- sign 0.000 ± 0.000 χ^2/NDF : 13962625.3/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -521.752 ± 308.382 $\chi^2/\text{NDF}: 22.4/28$

Left Out: 492.062 ± 288.495 $\chi^2/\text{NDF}: 46.9/24$

Right Out: 43.378 ± 300.709 $\chi^2/\text{NDF}: 31.1/33$

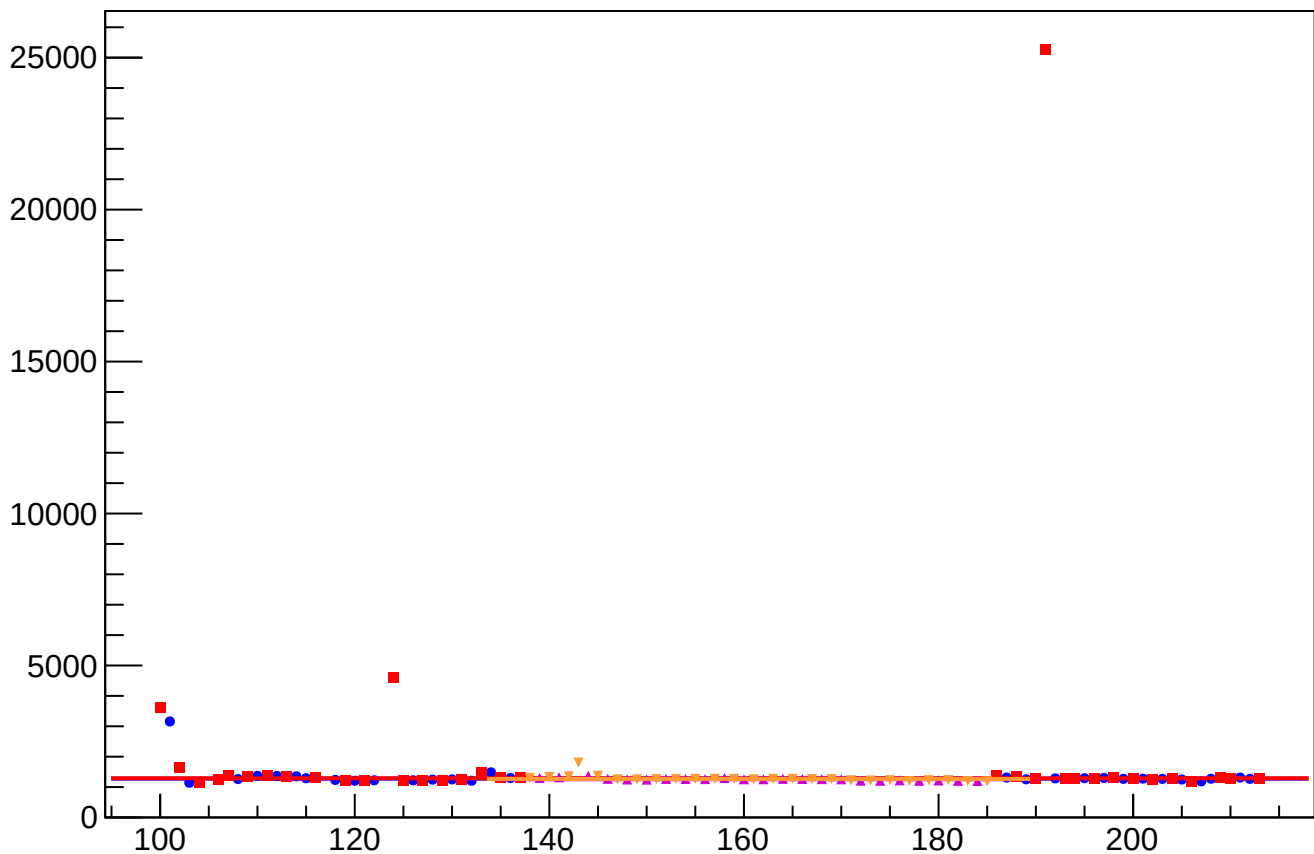
Left In: 486.821 ± 293.769 $\chi^2/\text{NDF}: 14.4/22$

+ sign 18.896 ± 210.677 $\chi^2/\text{NDF}: 75.1/53$

All: 144.908 ± 148.780 $\chi^2/\text{NDF}: 122.5/110$

- sign 270.276 ± 210.137 $\chi^2/\text{NDF}: 46.7/56$

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529519.6/28

Left Out: 1266.967 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.153 $\pm$ 0.212 χ^2 /NDF: 482746.6/33

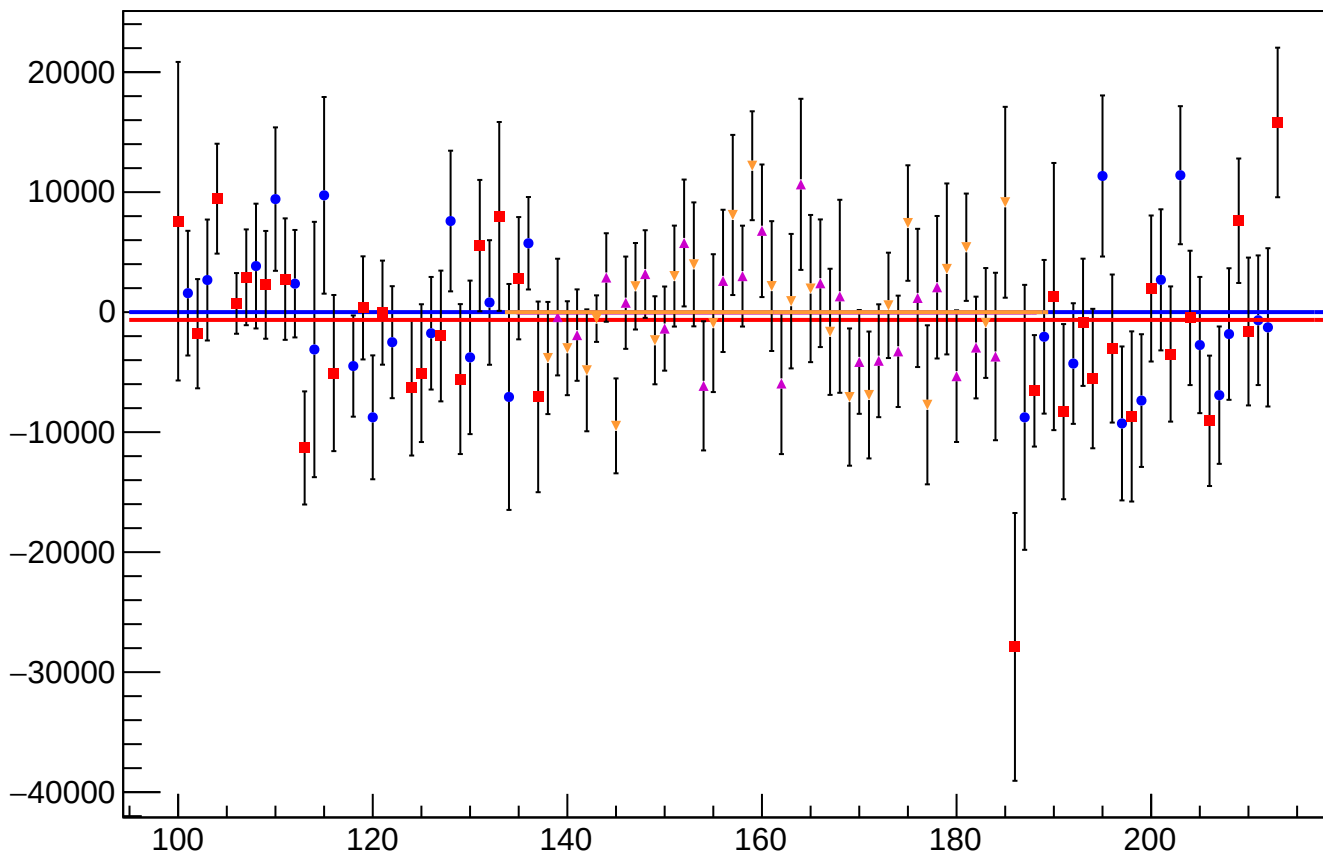
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.4/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718297.3/53

All: 1272.431 $\pm$ 0.105 χ^2 /NDF: 1249202.7/11

- sign 1272.999 $\pm$ 0.149 χ^2 /NDF: 530876.1/56

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 3.281 ± 1035.844 $\chi^2/\text{NDF}: 28.6/28$

Left Out: -0.604 ± 886.488 $\chi^2/\text{NDF}: 29.1/24$

Right Out: -648.132 ± 906.758 $\chi^2/\text{NDF}: 42.0/33$

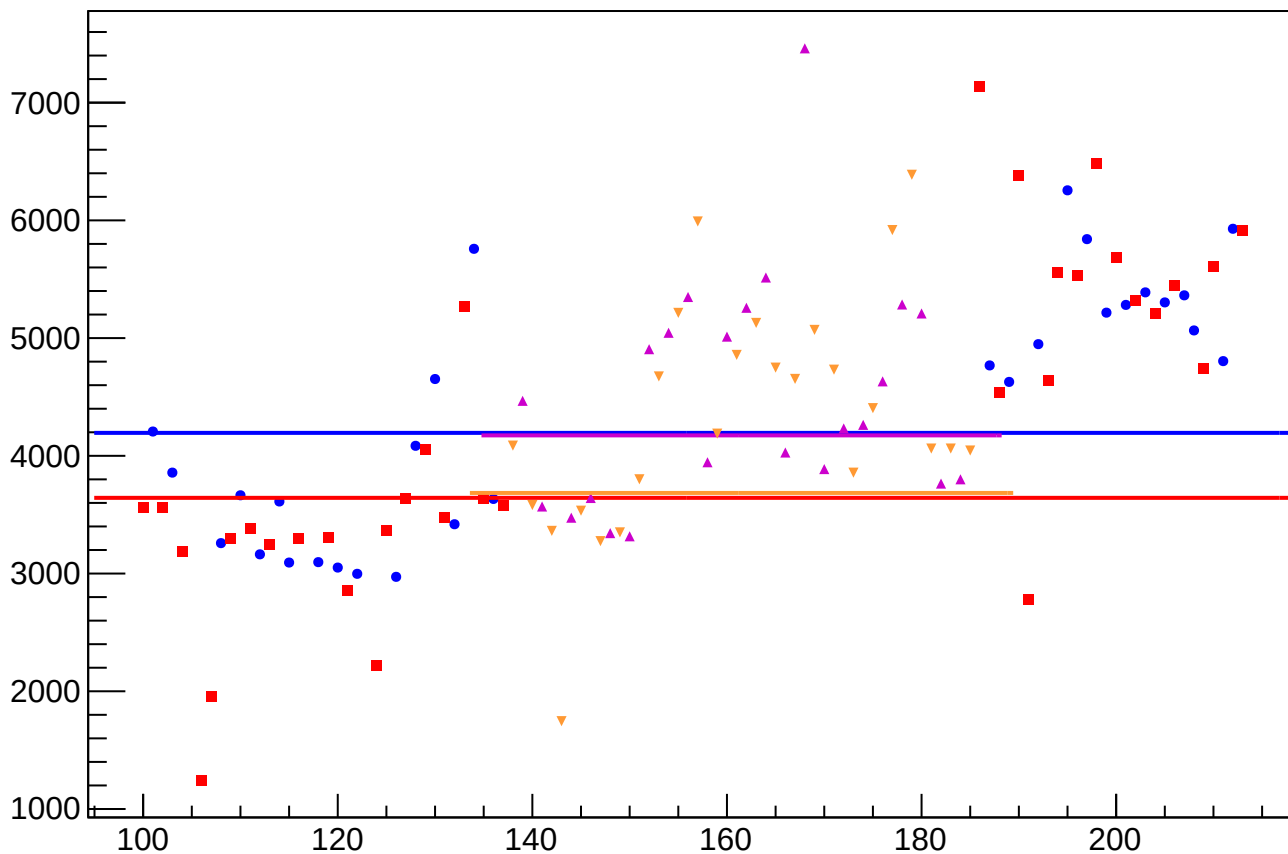
Left In: -31.593 ± 995.348 $\chi^2/\text{NDF}: 14.0/22$

+ sign 1.038 ± 673.515 $\chi^2/\text{NDF}: 57.7/53$

All: -184.620 ± 475.110 $\chi^2/\text{NDF}: 114.1/110$

- sign -368.515 ± 670.311 $\chi^2/\text{NDF}: 56.3/56$

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



Right In: 4194.989 $\pm$ 0.732 χ^2 /NDF: 1868191.1/28

Left Out: 3684.769 $\pm$ 0.627 χ^2 /NDF: 3693646.6/24

Right Out: 3643.091 $\pm$ 0.641 χ^2 /NDF: 5079409.7/33

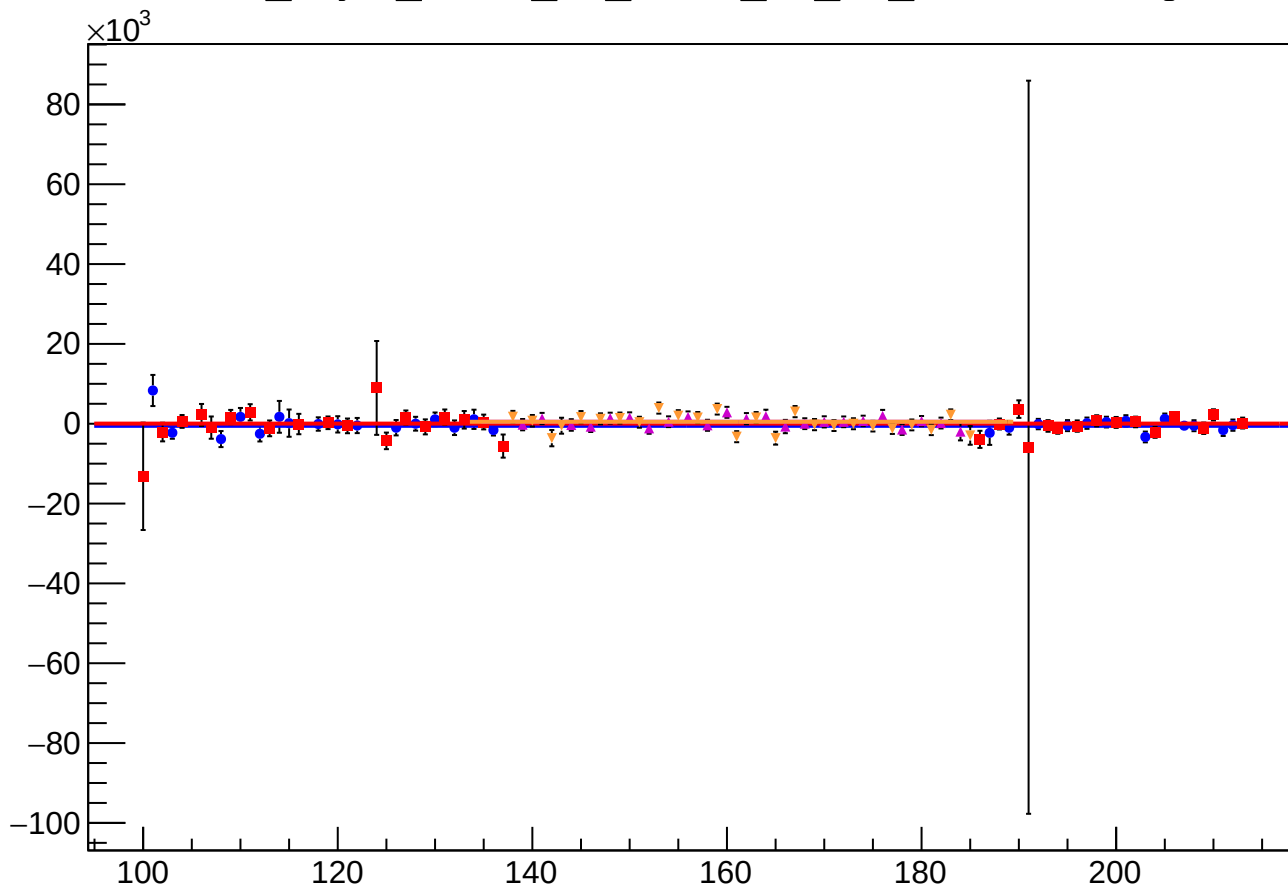
Left In: 4173.556 $\pm$ 0.704 χ^2 /NDF: 1274968.4/22

+ sign 3900.475 $\pm$ 0.476 χ^2 /NDF: 5841931.9/53

All: 3892.033 $\pm$ 0.336 χ^2 /NDF: 12507364.9/1

- sign 3883.671 $\pm$ 0.474 χ^2 /NDF: 6664807.5/56

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -521.891 ± 308.382 χ^2/NDF : 22.4/28

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 32.367 ± 300.785 χ^2/NDF : 31.6/33

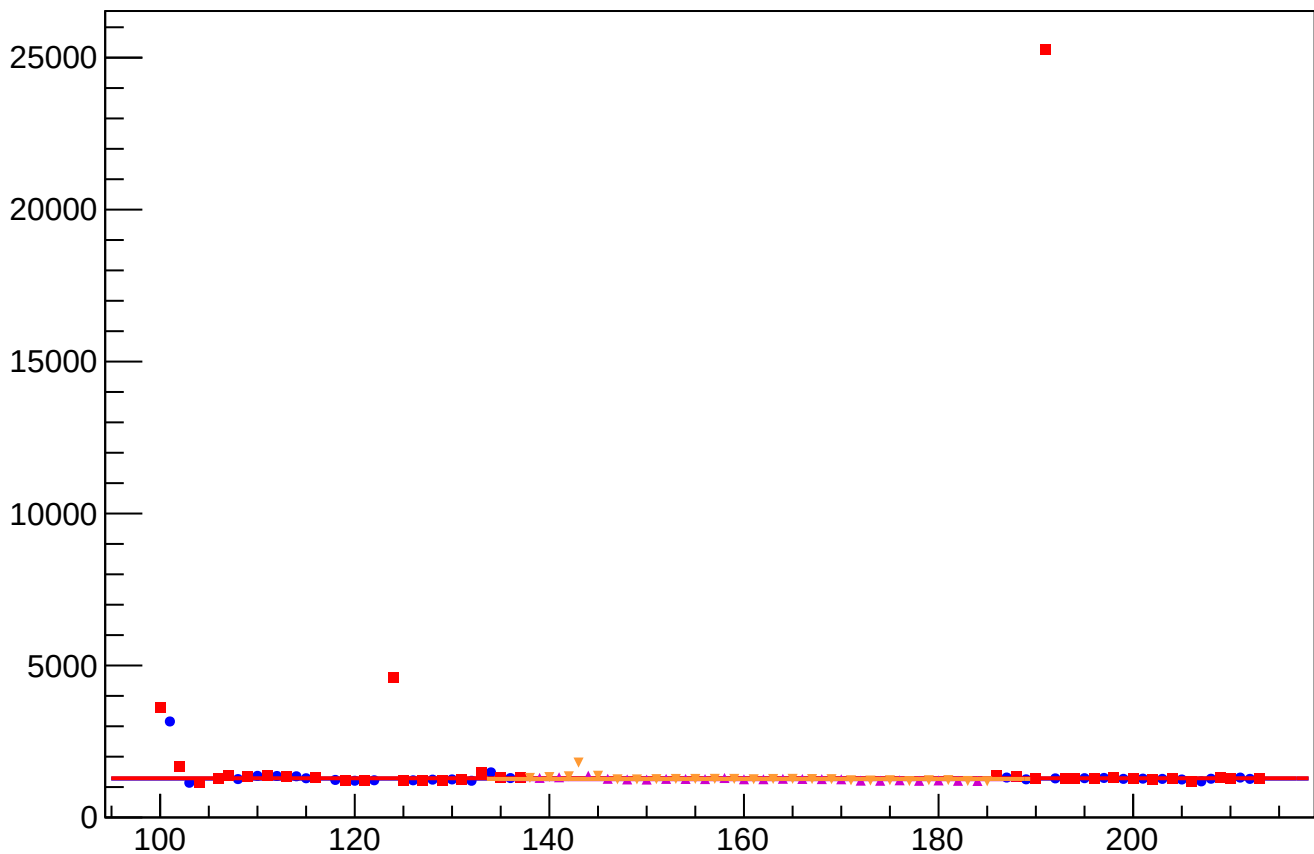
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 18.840 ± 210.677 χ^2/NDF : 75.1/53

All: 142.173 ± 148.789 χ^2/NDF : 122.9/110

- sign 264.905 ± 210.163 χ^2/NDF : 47.2/56

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529521.0/28

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.914 $\pm$ 0.213 χ^2 /NDF: 489623.9/33

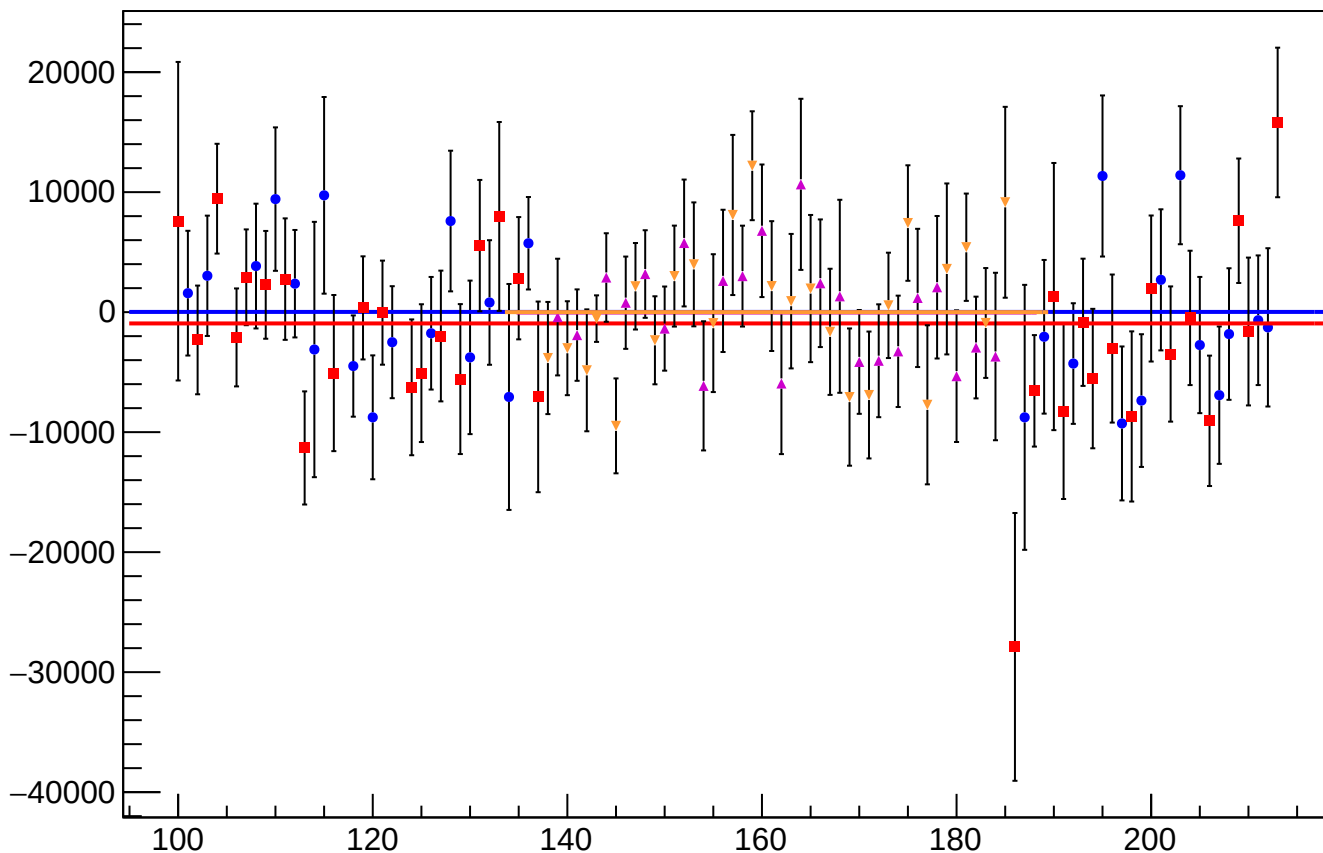
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718298.7/53

All: 1272.613 $\pm$ 0.105 χ^2 /NDF: 1256648.4/11

- sign 1273.362 $\pm$ 0.149 χ^2 /NDF: 538298.7/56

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 19.340 ± 1035.627 χ^2/NDF : 28.7/28

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -940.235 ± 944.685 χ^2/NDF : 41.8/33

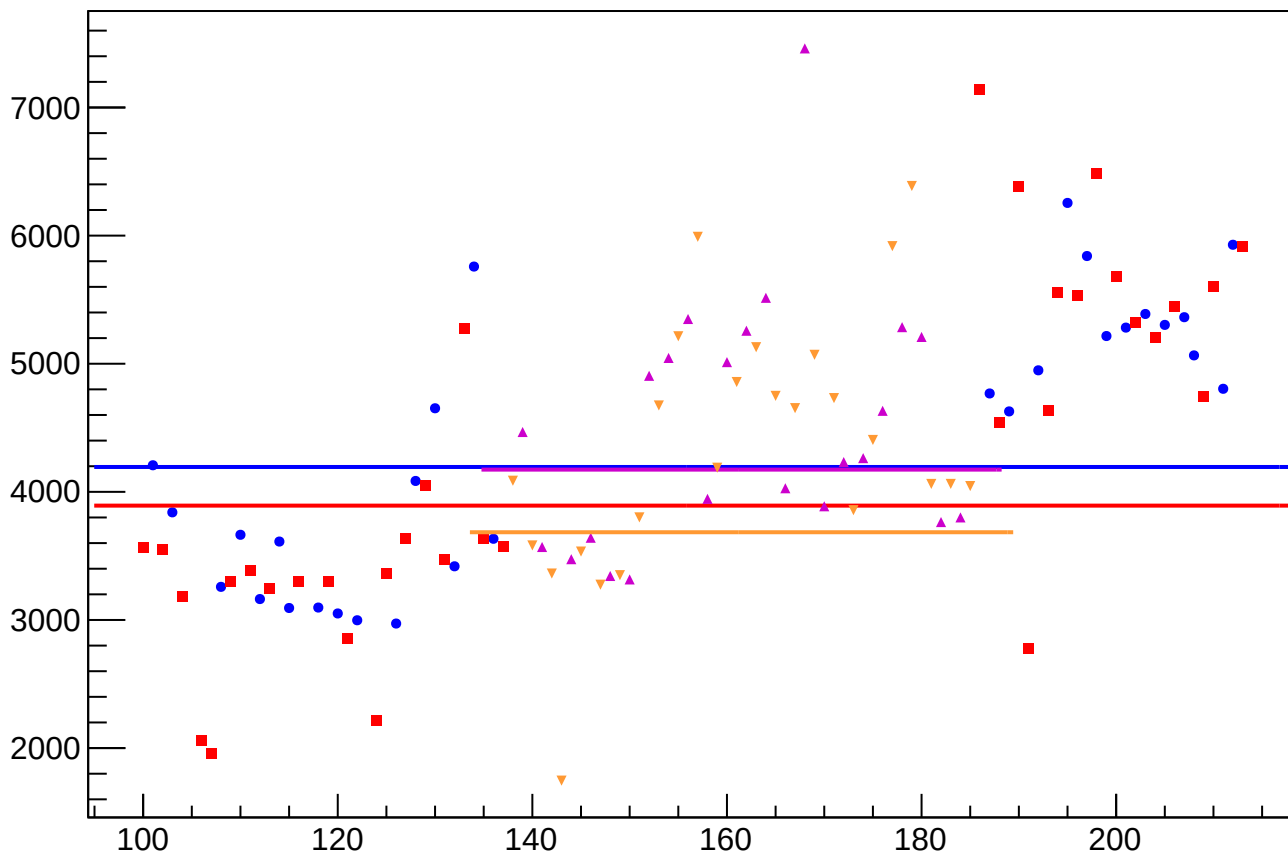
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign 7.866 ± 673.454 χ^2/NDF : 57.8/53

All: -246.406 ± 480.304 χ^2/NDF : 114.4/110

- sign -509.628 ± 685.203 χ^2/NDF : 56.3/56

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732 χ^2 /NDF: 1869244.5/28

Left Out: 3684.762 $\pm$ 0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3892.503 $\pm$ 0.668 χ^2 /NDF: 3438125.0/33

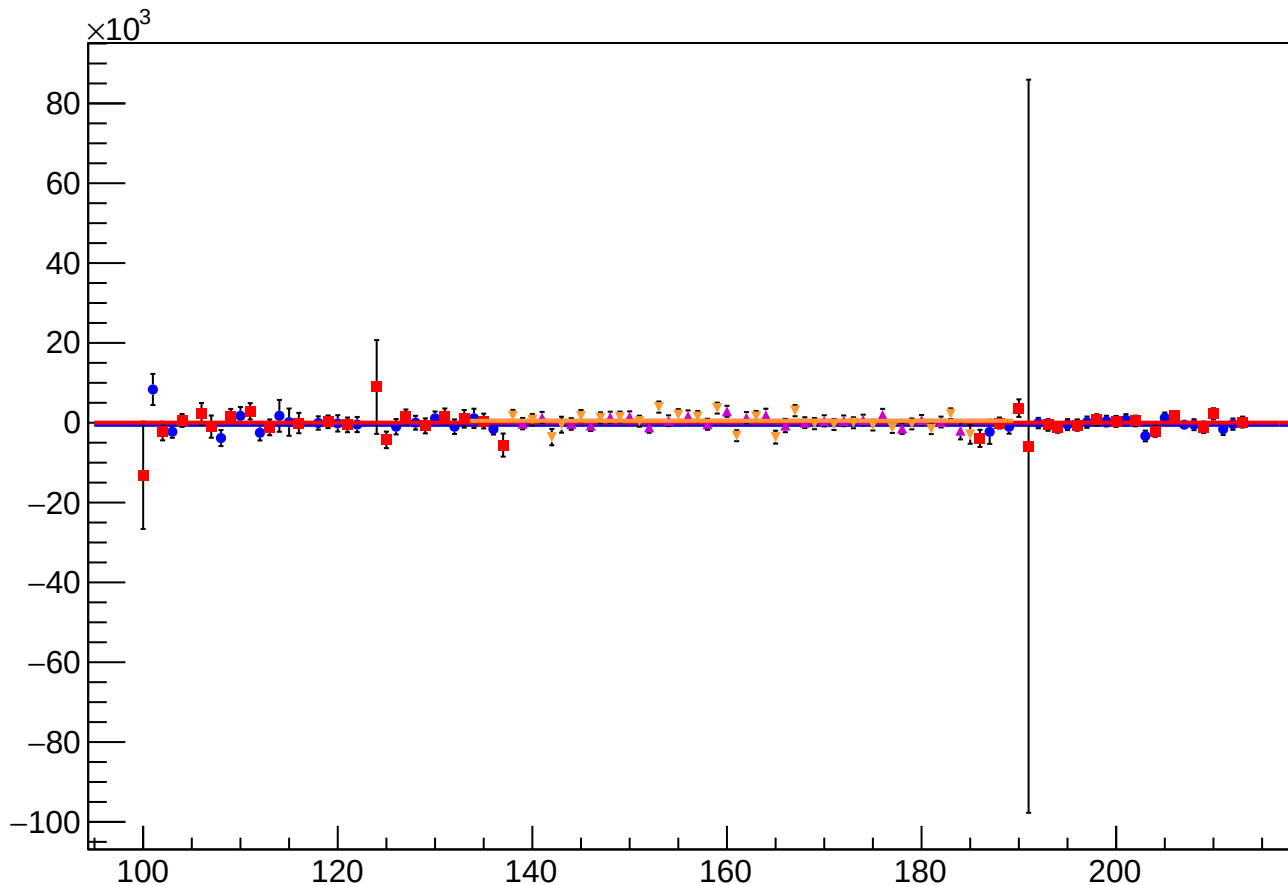
Left In: 4173.550 $\pm$ 0.704 χ^2 /NDF: 1274967.5/22

+ sign 3900.165 $\pm$ 0.476 χ^2 /NDF: 5842172.1/53

All: 3961.843 $\pm$ 0.340 χ^2 /NDF: 10673295.3/100

- sign 4025.692 $\pm$ 0.485 χ^2 /NDF: 4796981.6/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -521.891 ± 308.382 χ^2/NDF : 22.4/28

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 32.367 ± 300.785 χ^2/NDF : 31.6/33

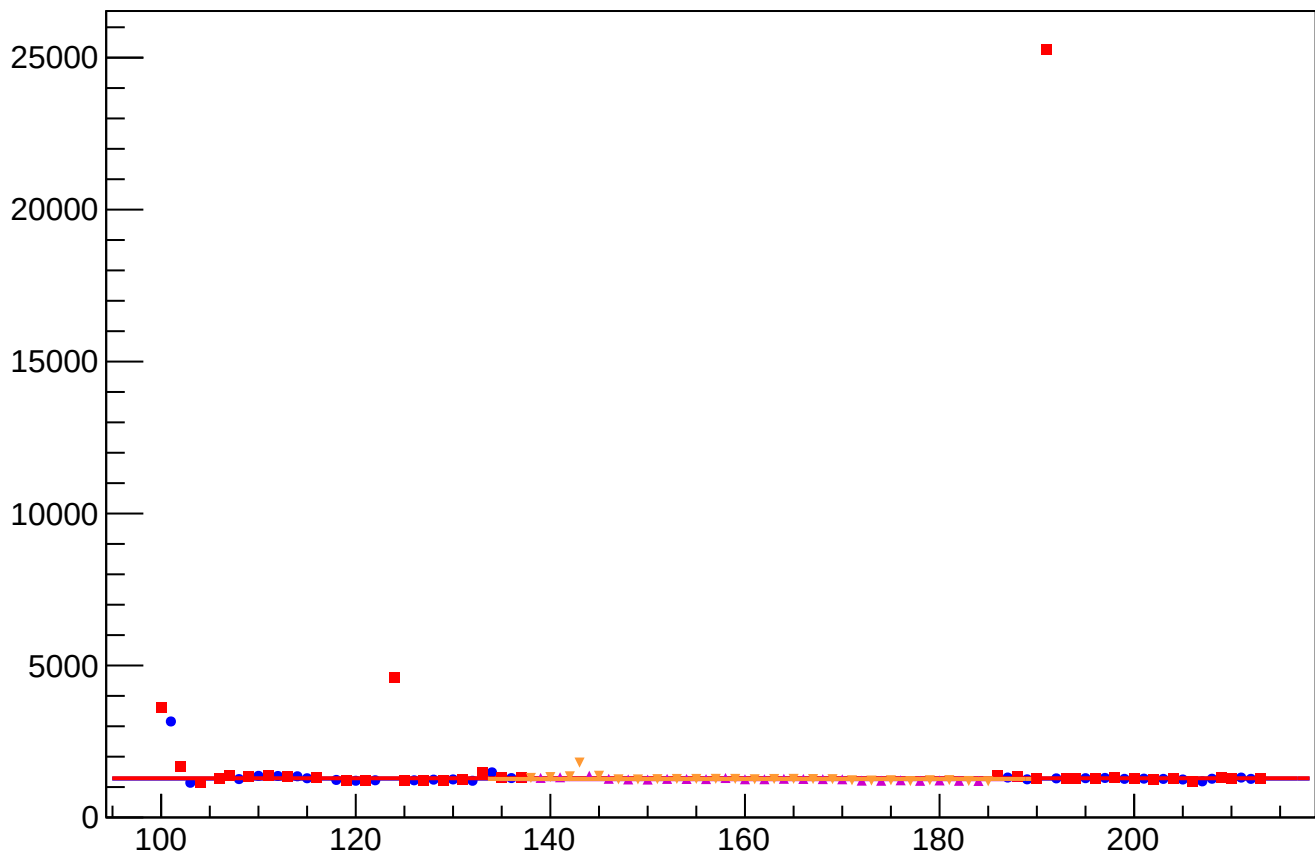
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 18.840 ± 210.677 χ^2/NDF : 75.1/53

All: 142.173 ± 148.789 χ^2/NDF : 122.9/110

- sign 264.905 ± 210.163 χ^2/NDF : 47.2/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1277.449 $\pm$ 0.218 χ^2 /NDF: 529521.0/28

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1289.914 $\pm$ 0.213 χ^2 /NDF: 489623.9/33

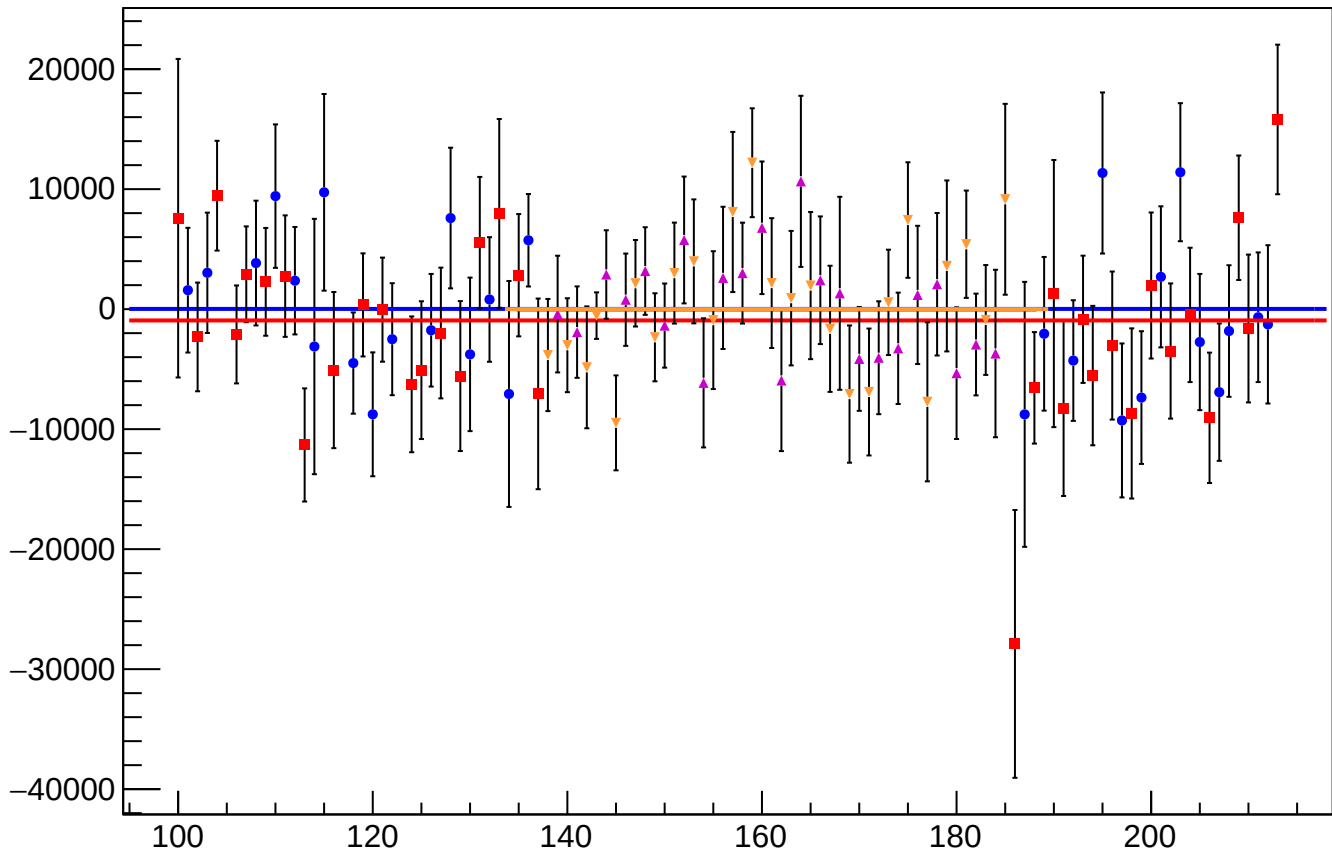
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1271.859 $\pm$ 0.149 χ^2 /NDF: 718298.7/53

All: 1272.613 $\pm$ 0.105 χ^2 /NDF: 1256648.4/11

- sign 1273.362 $\pm$ 0.149 χ^2 /NDF: 538298.7/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 19.340 $\pm$ 1035.627 χ^2 /NDF: 28.7/28

Left Out: -0.541 $\pm$ 886.487 χ^2 /NDF:29.1/24

Right Out: -940.235 $\pm$ 944.685 χ^2 /NDF: 41.8/33

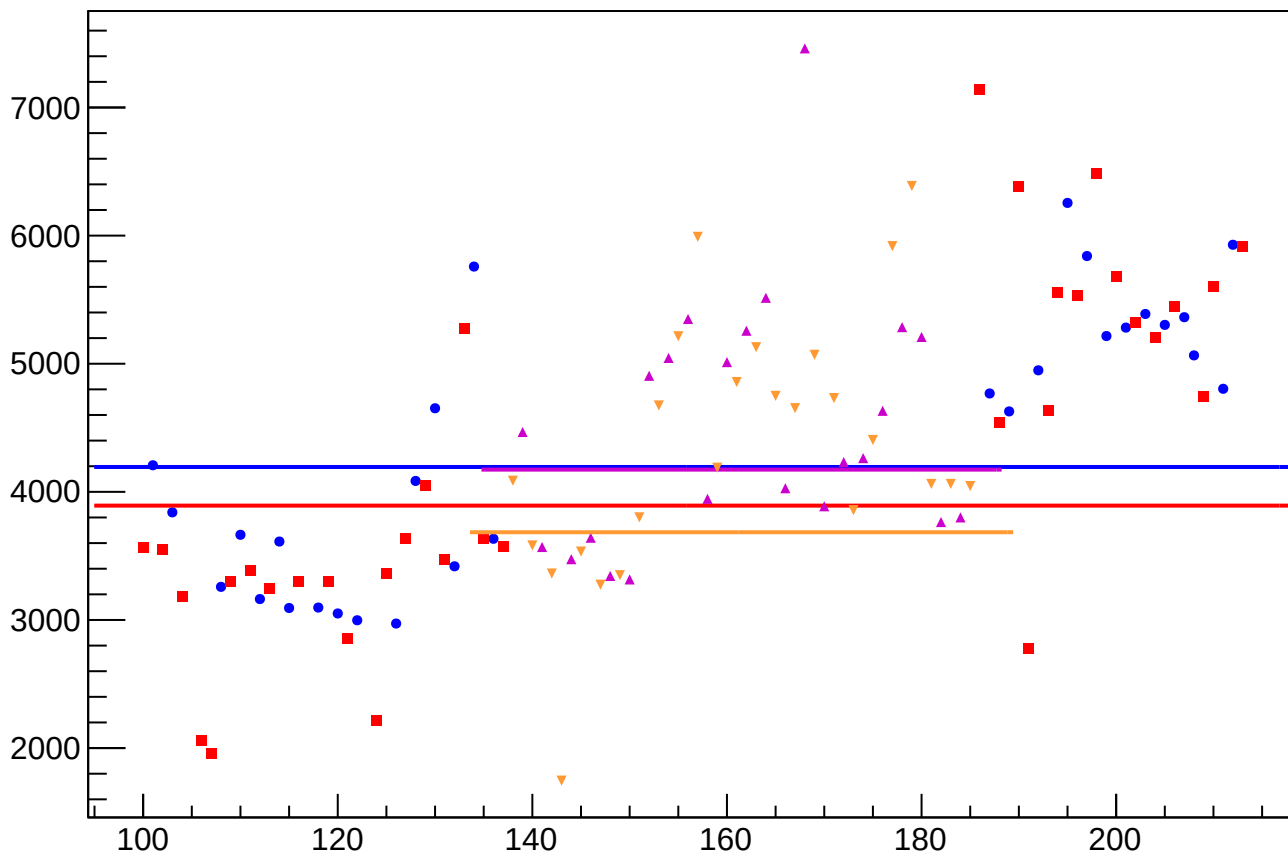
Left In: -31.597 $\pm$ 995.347 χ^2 /NDF:14.0/22

+ sign 7.866 $\pm$ 673.454 χ^2 /NDF: 57.8/53

All: -246.406 $\pm$ 480.304 χ^2 /NDF: 114.4/110

- sign -509.628 $\pm$ 685.203 χ^2 /NDF: 56.3/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 4194.141 $\pm$ 0.732 χ^2/NDF : 1869244.5/28

Left Out: 3684.762 $\pm$ 0.627 χ^2/NDF : 3693687.2/24

Right Out: 3892.503 $\pm$ 0.668 χ^2/NDF : 3438125.0/33

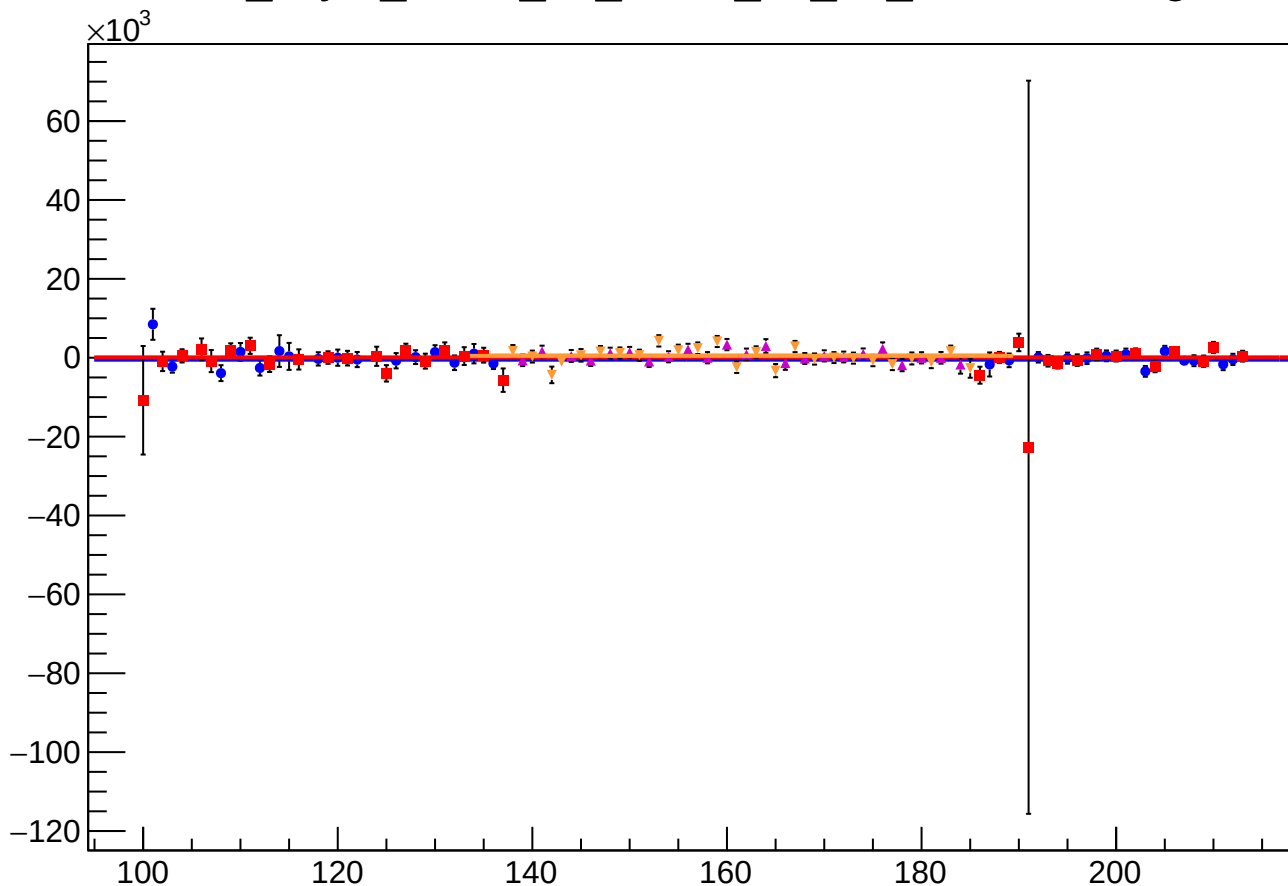
Left In: 4173.550 $\pm$ 0.704 χ^2/NDF : 1274967.5/22

+ sign 3900.165 $\pm$ 0.476 χ^2/NDF : 5842172.1/53

All: 3961.843 $\pm$ 0.340 χ^2/NDF : 10673295.3/100

- sign 4025.692 $\pm$ 0.485 χ^2/NDF : 4796981.6/56

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -490.729 ± 312.505 χ^2/NDF : 23.9/28

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 94.184 ± 303.071 χ^2/NDF : 32.7/33

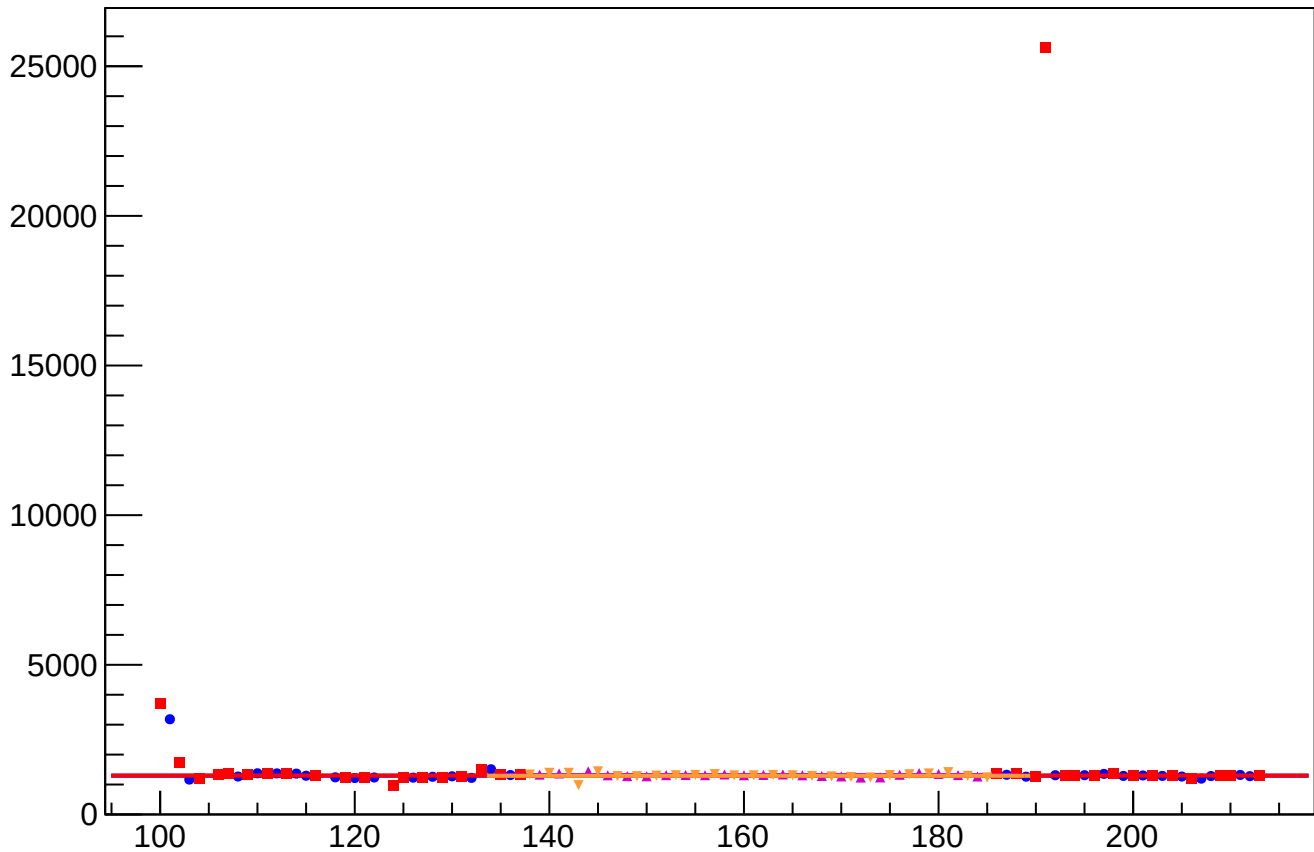
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 17.405 ± 214.232 χ^2/NDF : 73.0/53

All: 155.850 ± 152.001 χ^2/NDF : 124.9/110

- sign 296.198 ± 215.698 χ^2/NDF : 51.0/56

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1294.402 $\pm$ 0.221 χ^2 /NDF: 529767.8/28

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1300.970 $\pm$ 0.214 χ^2 /NDF: 378349.9/33

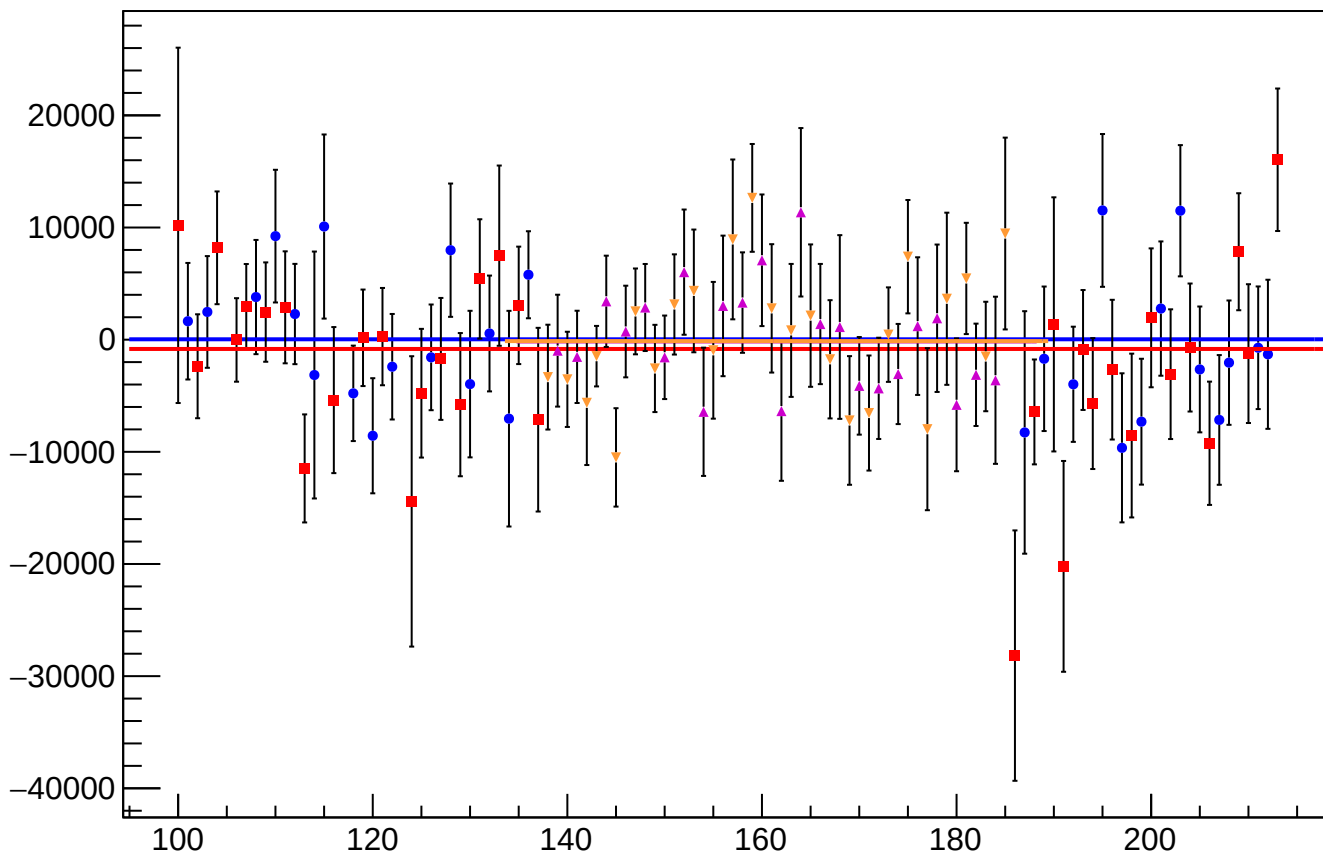
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1292.711 $\pm$ 0.151 χ^2 /NDF: 760613.5/53

All: 1300.007 $\pm$ 0.107 χ^2 /NDF: 1188505.2/11

- sign 1307.401 $\pm$ 0.152 χ^2 /NDF: 423221.0/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 34.054+/-1041.721 χ^2/NDF : 28.5/28

Left Out: -127.273+/-977.231 χ^2/NDF : 28.6/24

Right Out: -828.107+/-960.639 χ^2/NDF : 43.4/33

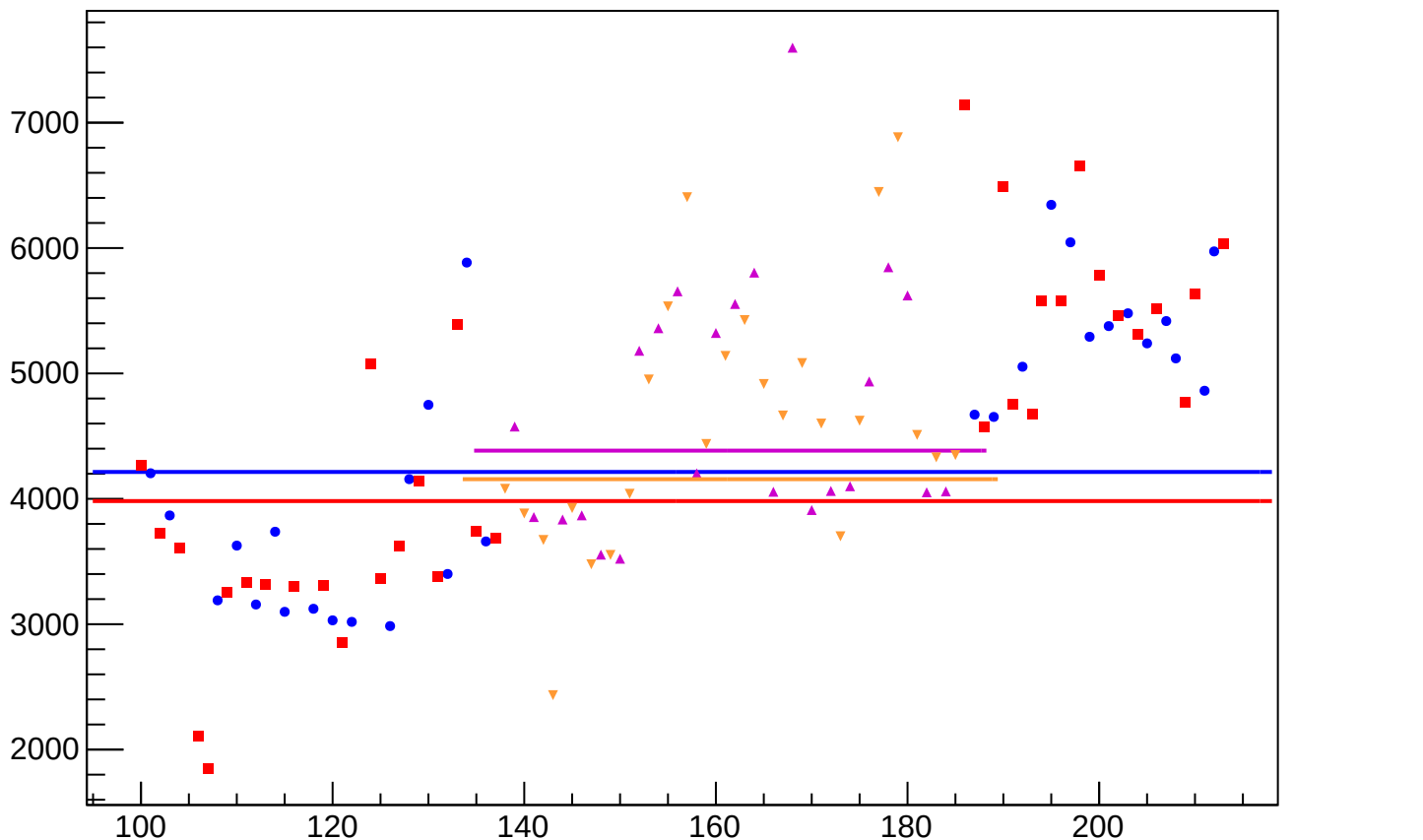
Left In: -159.452+/-1045.510 χ^2/NDF : 13.8/22

+ sign -51.757+/-712.715 χ^2/NDF : 57.1/53

All: -288.654+/-502.068 χ^2/NDF : 114.7/110

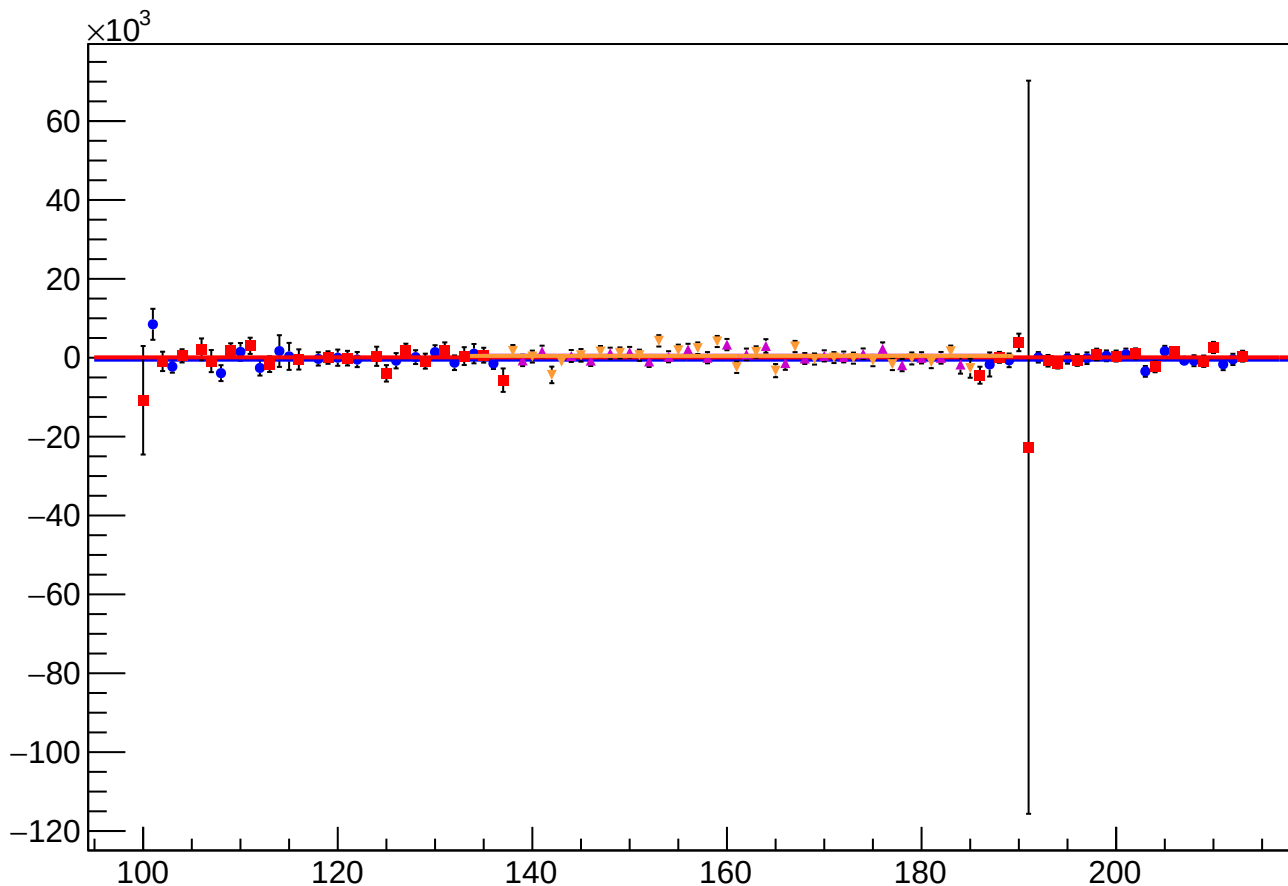
- sign -522.017+/-707.378 χ^2/NDF : 57.4/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 4214.129+/-0.737	χ^2/NDF : 1962126.5/28	+ sign 4183.519+/-0.504	χ^2/NDF : 4046139.1/53
Left Out: 4156.582+/-0.691	χ^2/NDF : 2080766.1/24		
Right Out: 3982.098+/-0.679	χ^2/NDF : 3484602.3/33	All: 4174.807+/-0.355	χ^2/NDF : 8947312.4/11
Left In: 4384.323+/-0.739	χ^2/NDF : 1255470.8/22	- sign 4166.225+/-0.500	χ^2/NDF : 4900580.1/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -490.730 ± 312.505 χ^2/NDF : 23.9/28

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 94.185 ± 303.071 χ^2/NDF : 32.7/33

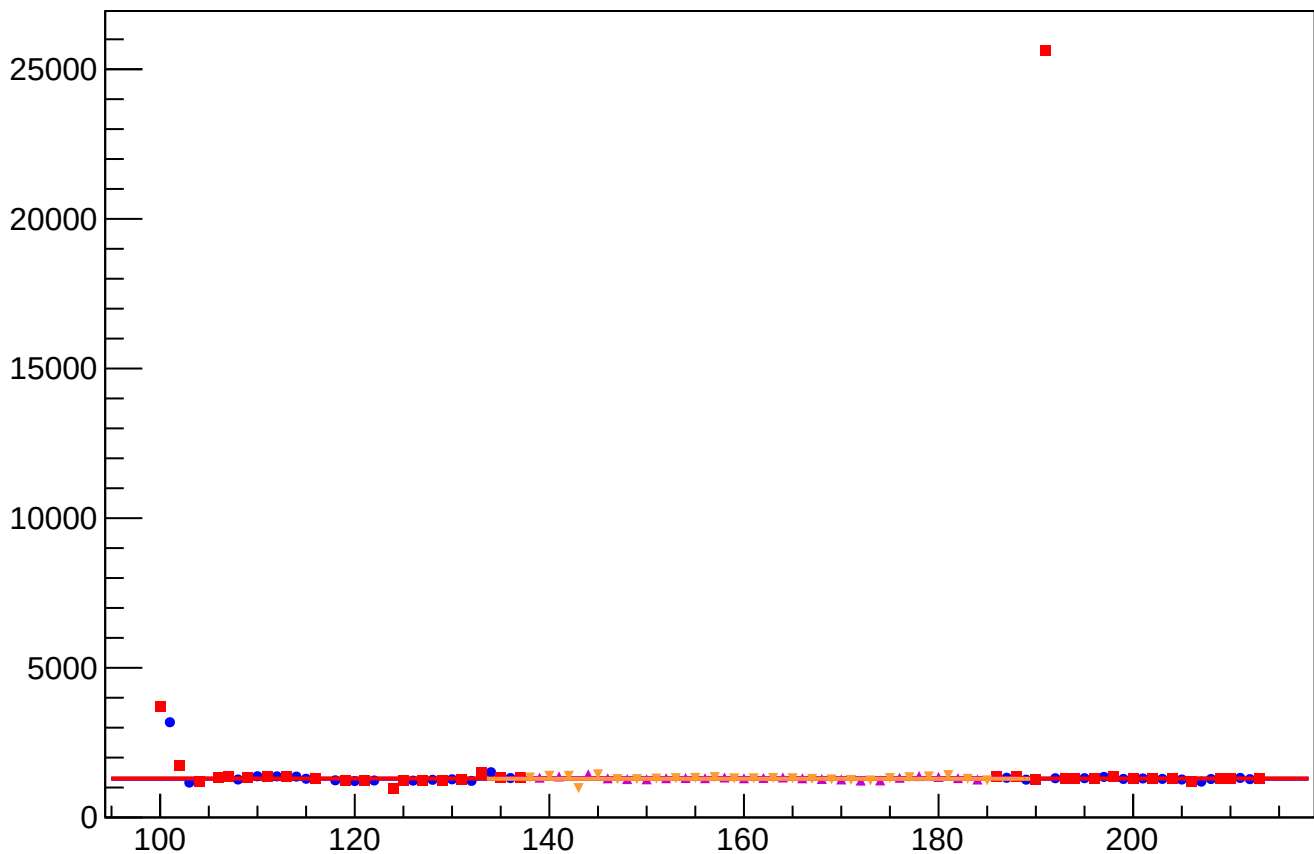
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign 17.406 ± 214.232 χ^2/NDF : 73.0/53

All: 155.851 ± 152.001 χ^2/NDF : 124.9/110

- sign 296.198 ± 215.699 χ^2/NDF : 51.0/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1294.402 $\pm$ 0.221 χ^2 /NDF: 529767.9/28

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1300.970 $\pm$ 0.214 χ^2 /NDF: 378350.0/33

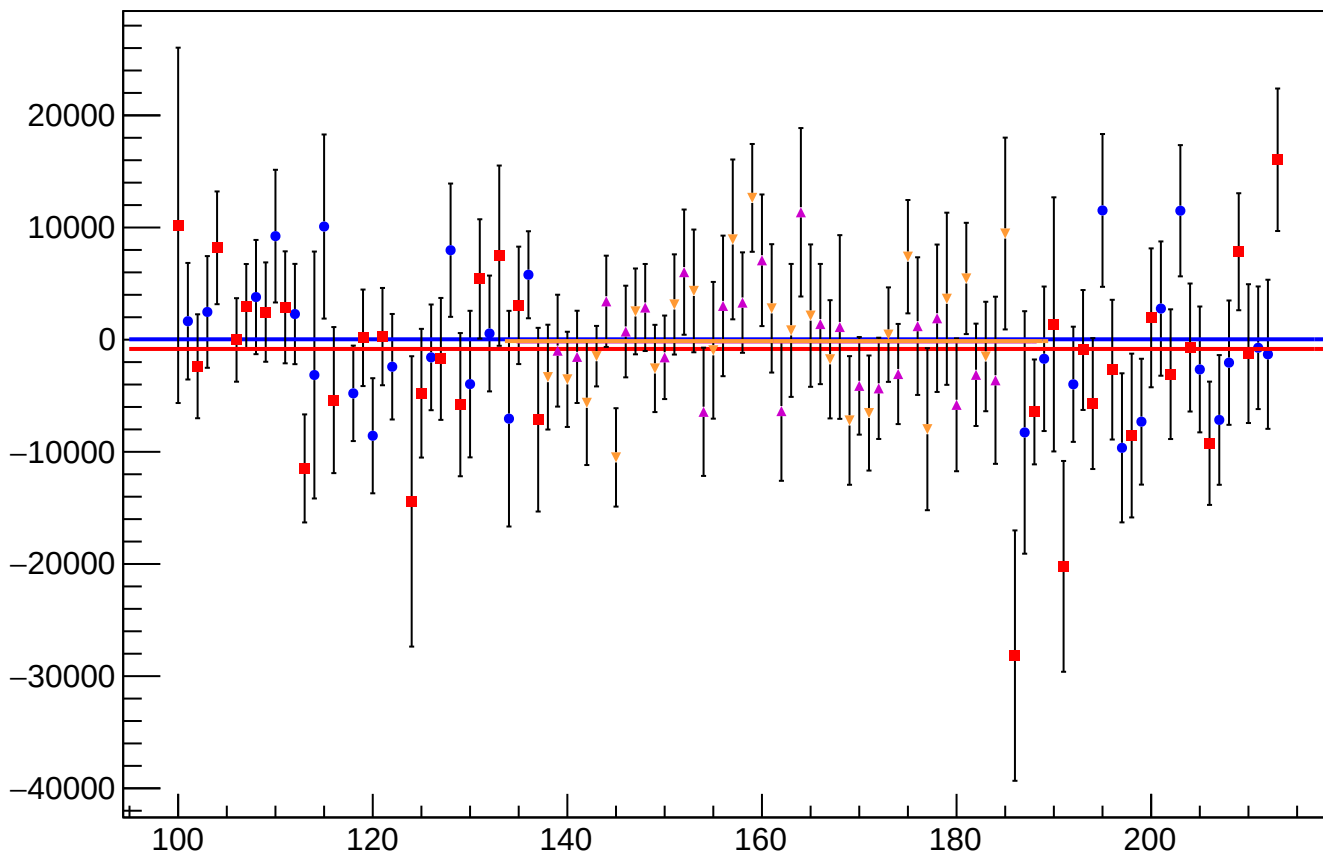
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1292.711 $\pm$ 0.151 χ^2 /NDF: 760616.0/53

All: 1300.007 $\pm$ 0.107 χ^2 /NDF: 1188510.3/11

- sign 1307.402 $\pm$ 0.152 χ^2 /NDF: 423223.6/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 34.051 $\pm$ 1041.720 χ^2 /NDF: 28.5/28

Left Out: -127.271 $\pm$ 977.232 χ^2 /NDF:28.6/24

Right Out: -828.101 $\pm$ 960.638 χ^2 /NDF: 43.4/33

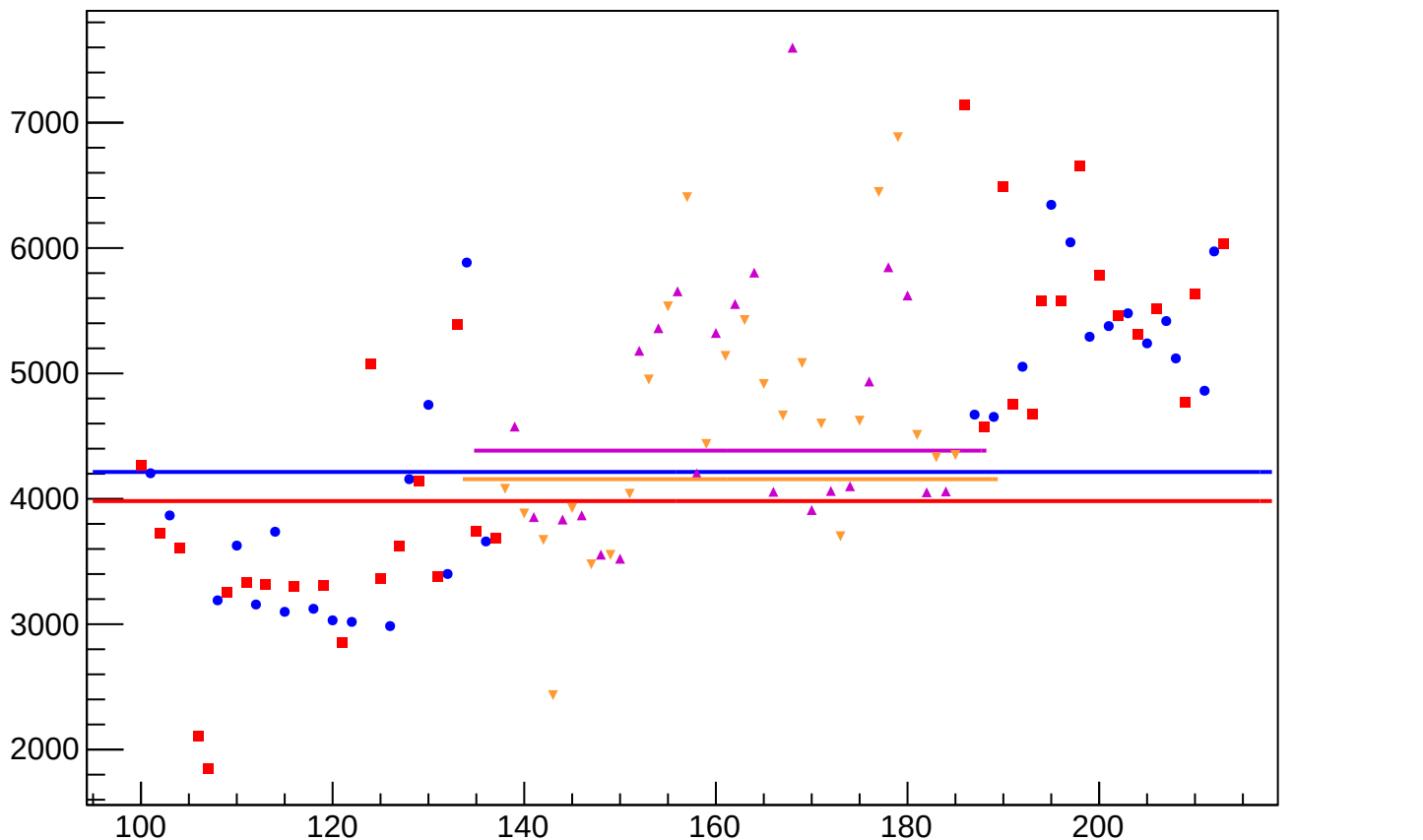
Left In: -159.454 $\pm$ 1045.511 χ^2 /NDF:13.8/22

+ sign -51.757 $\pm$ 712.716 χ^2 /NDF: 57.1/53

All: -288.654 $\pm$ 502.068 χ^2 /NDF: 114.7/110

- sign -522.015 $\pm$ 707.379 χ^2 /NDF: 57.4/56

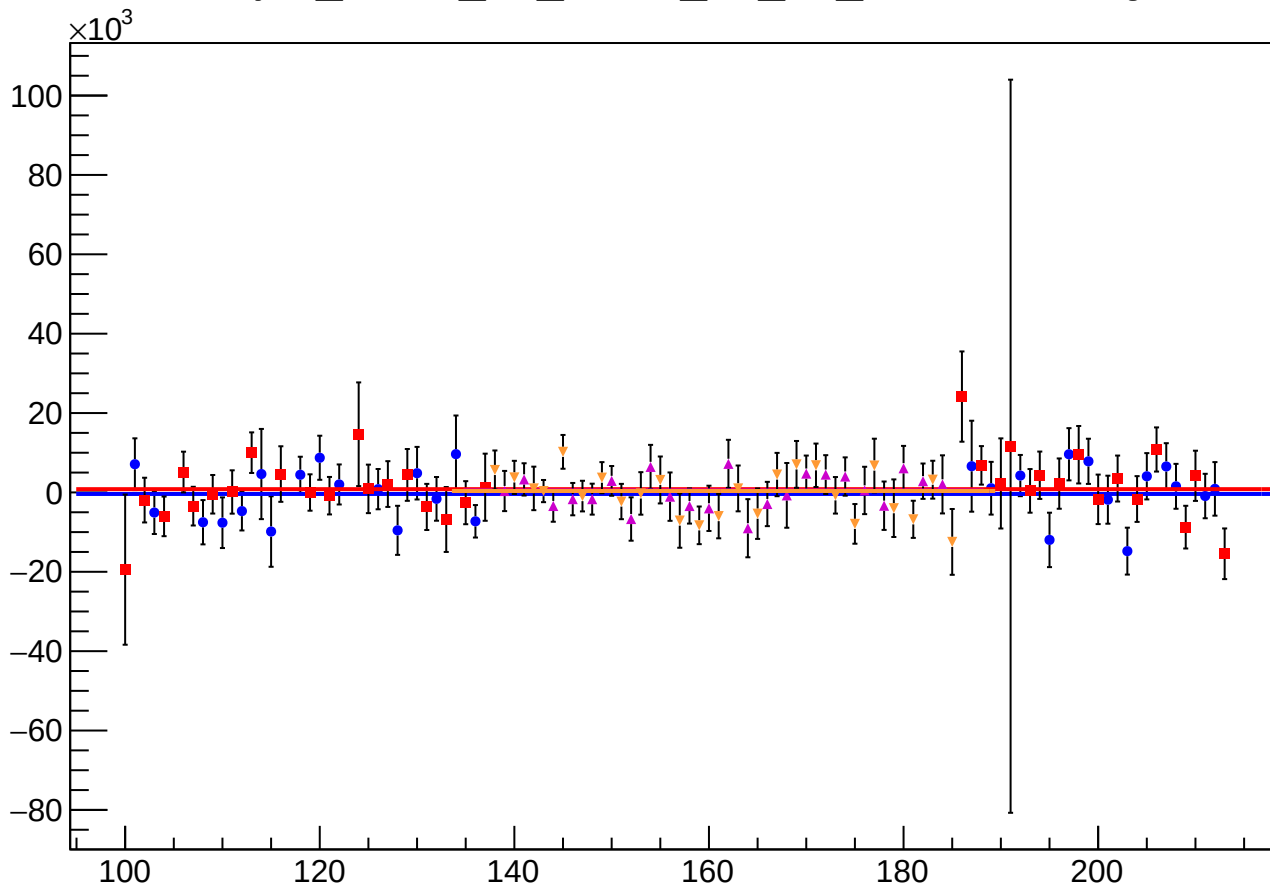
asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 4214.124+/-0.737 χ^2/NDF : 1962162.4/28
 Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24
 Right Out: 3982.092+/-0.679 χ^2/NDF : 3484636.6/33
 Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 4183.520+/-0.504 χ^2/NDF : 4046176.5/53
 All: 4174.807+/-0.355 χ^2/NDF : 8947398.5/11
 - sign 4166.224+/-0.500 χ^2/NDF : 4900628.6/56

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -388.617 ± 1097.646 χ^2/NDF : 34.6/28

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 822.015 ± 1039.558 χ^2/NDF : 33.2/33

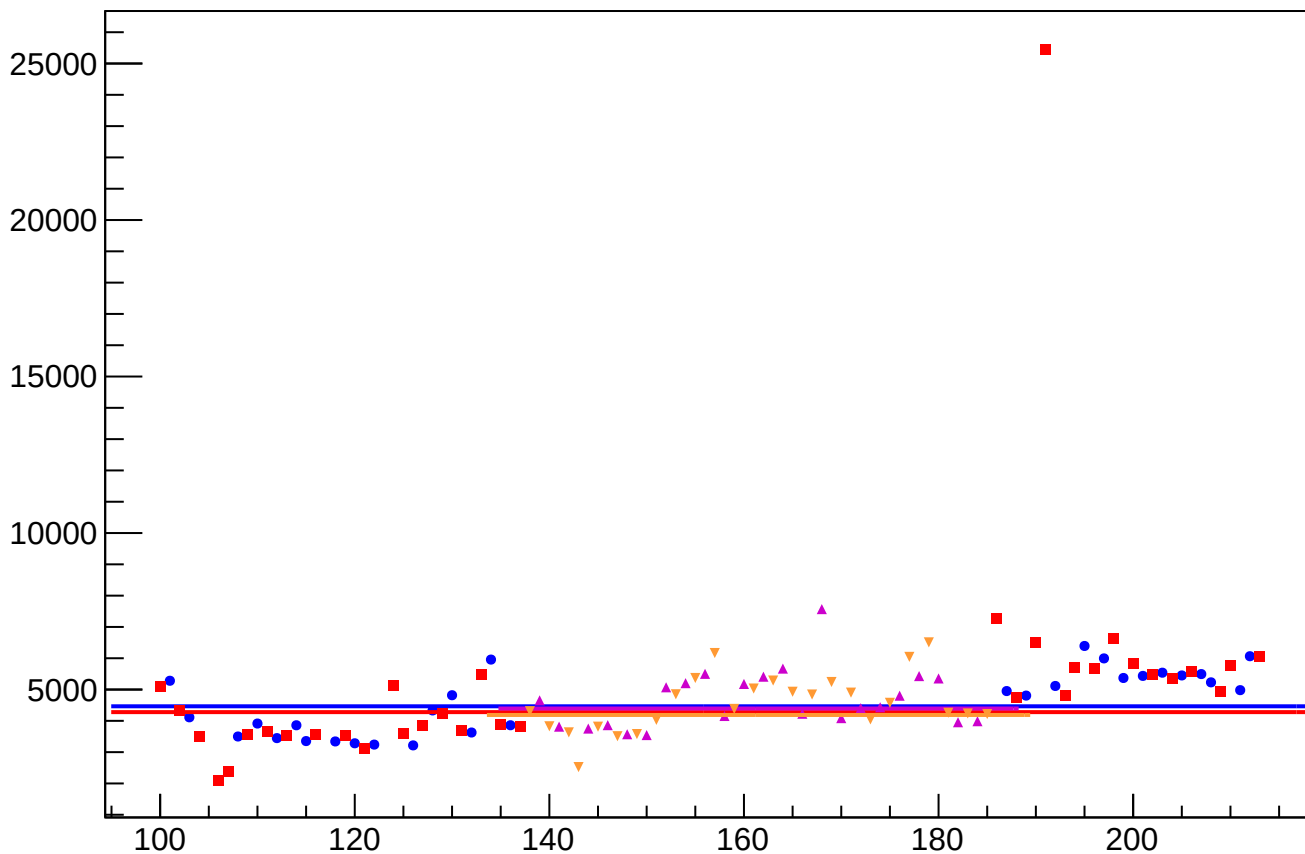
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign 29.406 ± 730.974 χ^2/NDF : 62.5/53

All: 342.443 ± 518.957 χ^2/NDF : 110.0/110

- sign 660.570 ± 736.892 χ^2/NDF : 47.1/56

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4465.044 $\pm$ 0.776 χ^2 /NDF: 1592301.9/28

Left Out: 4187.848 $\pm$ 0.693 χ^2 /NDF: 1796345.9/24

Right Out: 4278.738 $\pm$ 0.729 χ^2 /NDF: 2771161.8/33

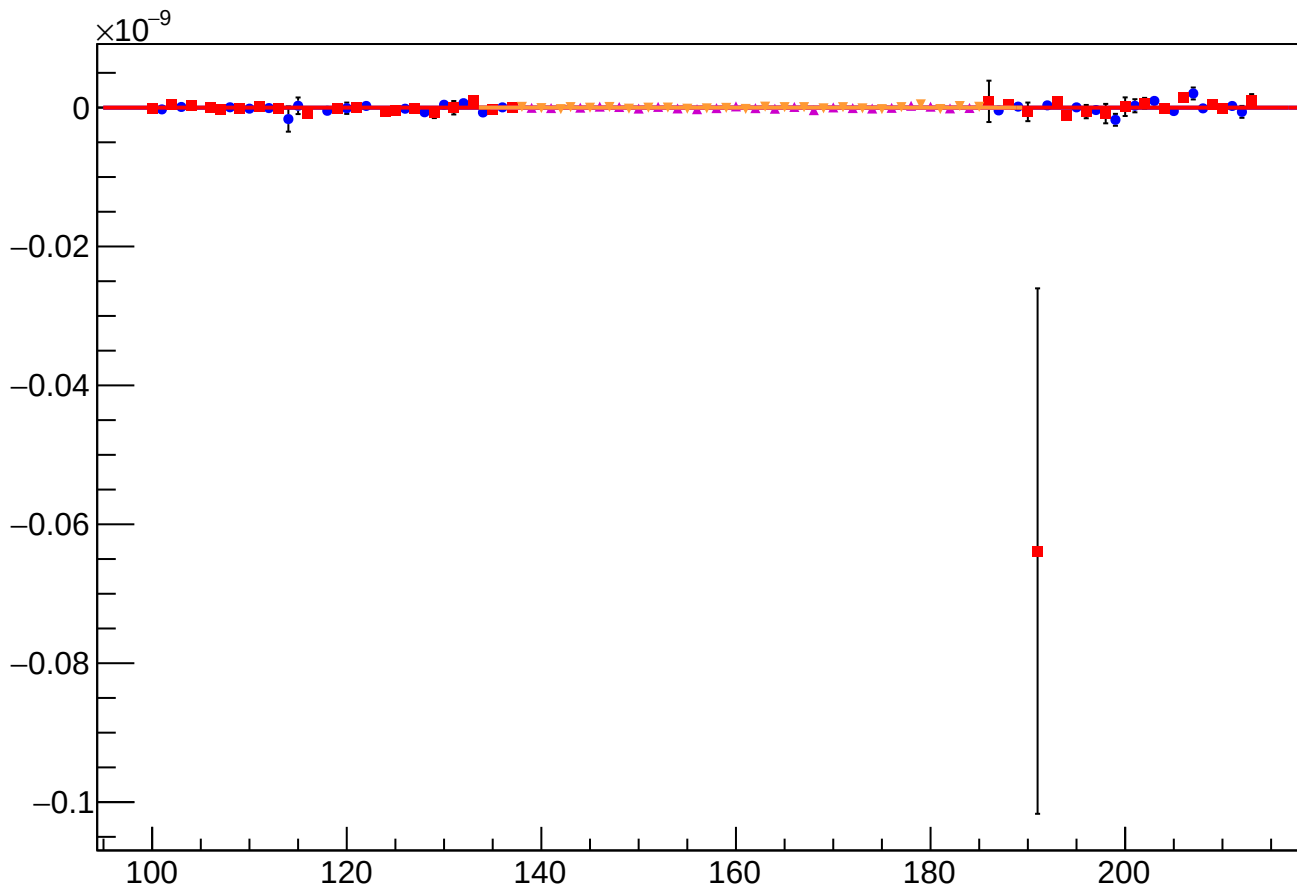
Left In: 4394.324 $\pm$ 0.739 χ^2 /NDF: 1088394.9/22

+ sign 4310.781 $\pm$ 0.517 χ^2 /NDF: 3459631.4/53

All: 4323.224 $\pm$ 0.366 χ^2 /NDF: 7332755.6/11

- sign 4335.762 $\pm$ 0.519 χ^2 /NDF: 3871960.7/56

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 35.3/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 35.3/33

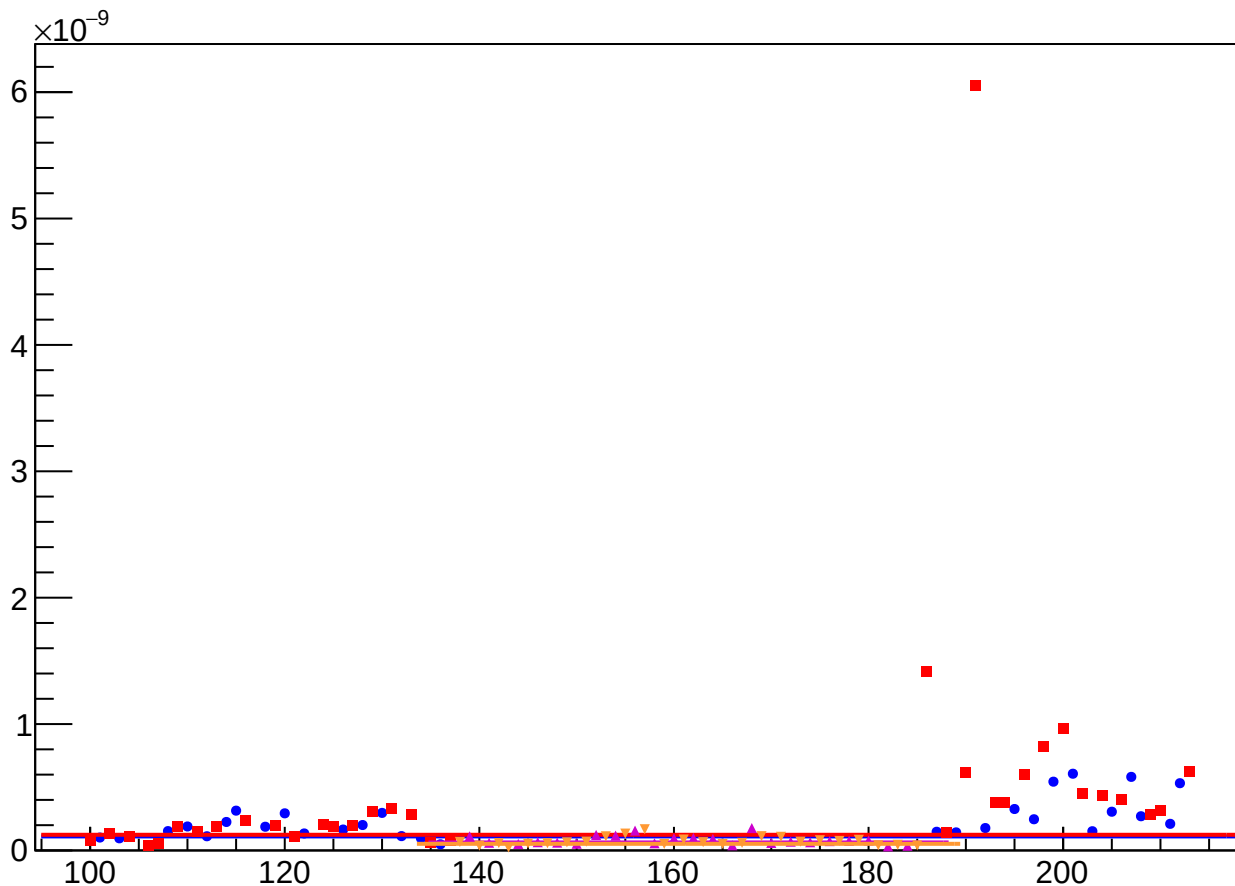
Left In: -0.000+/-0.000 χ^2 /NDF: 17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 65.8/53

All: -0.000+/-0.000 χ^2 /NDF: 118.4/110

- sign -0.000+/-0.000 χ^2 /NDF: 52.4/56

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4926494.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2628519.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7511016.6/33

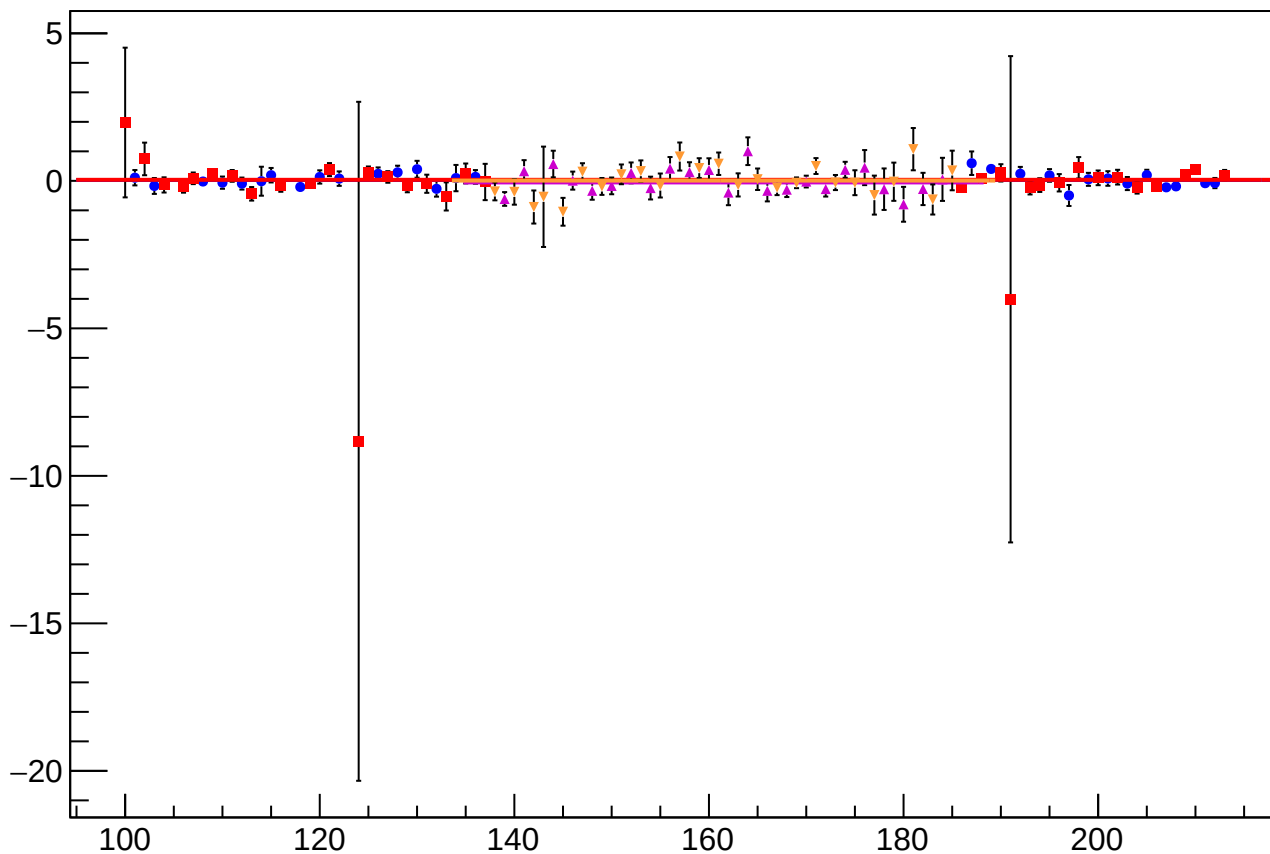
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1788279.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9518616.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 20850435.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11026693.3/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 ± 0.040 χ^2/NDF : 27.6/28

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.035 ± 0.036 χ^2/NDF : 40.7/33

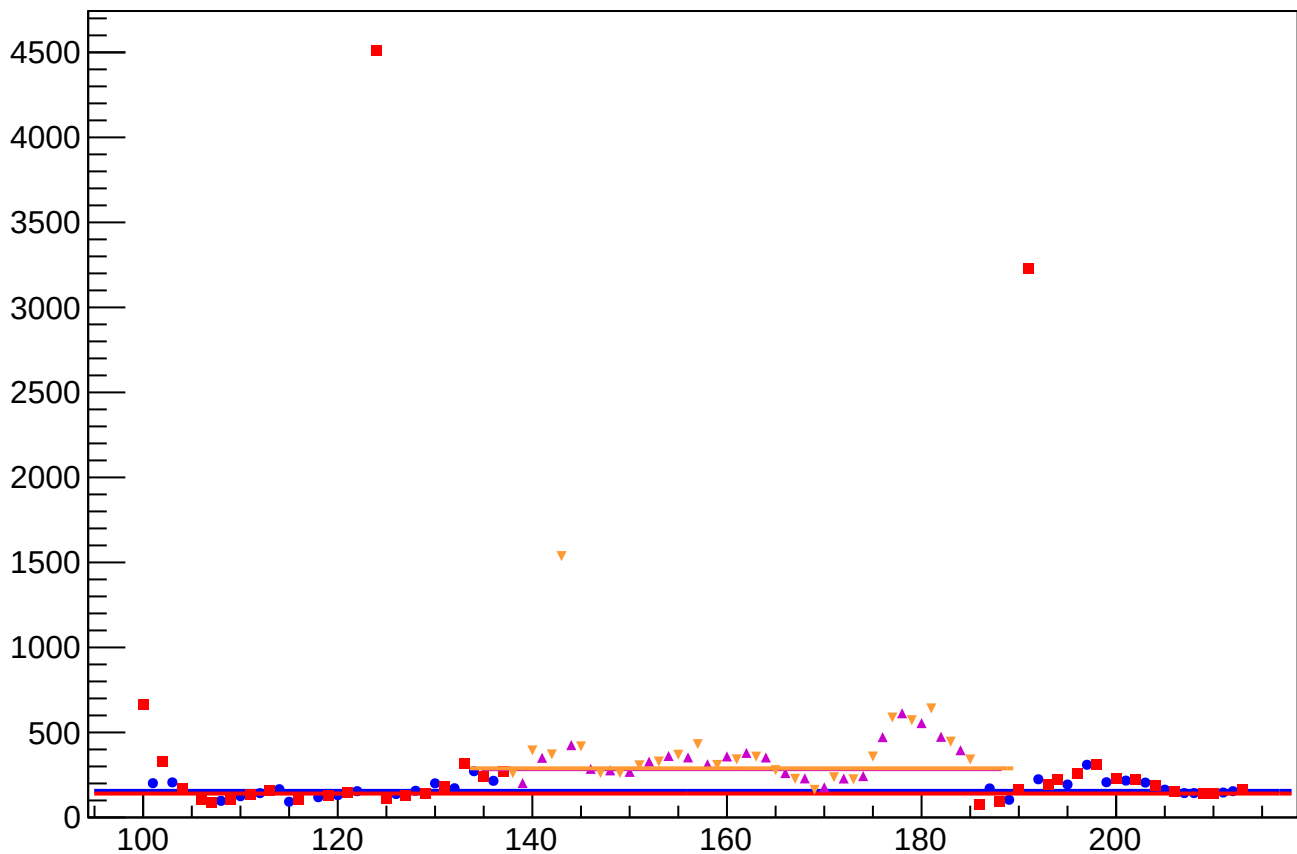
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.024 ± 0.035 χ^2/NDF : 56.5/53

All: 0.020 ± 0.023 χ^2/NDF : 126.2/110

- sign 0.017 ± 0.032 χ^2/NDF : 69.7/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259862.8/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 140.487 $\pm$ 0.025 χ^2 /NDF: 4720476.5/33

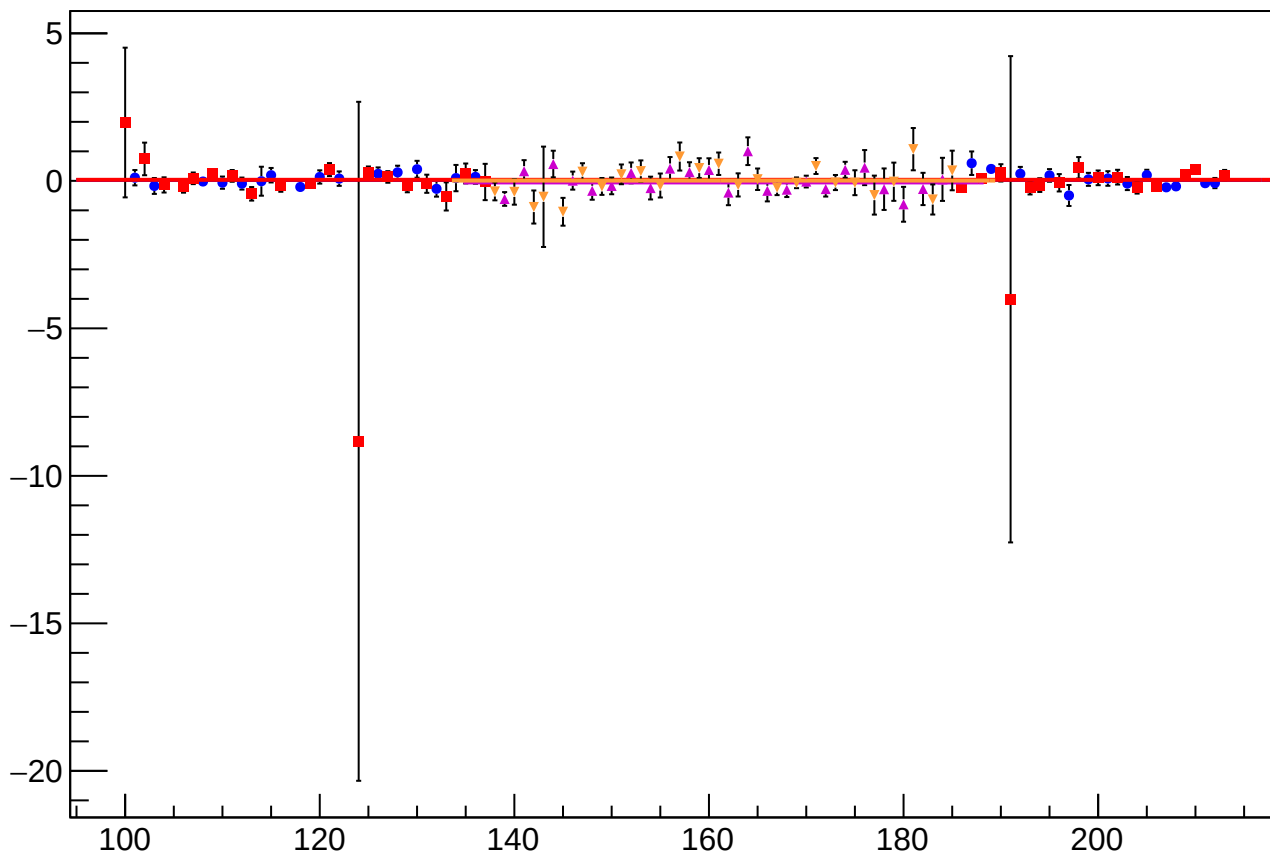
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 187.746 $\pm$ 0.024 χ^2 /NDF: 12228425.8/53

All: 178.134 $\pm$ 0.017 χ^2 /NDF: 26933439.9/1

- sign 169.960 $\pm$ 0.023 χ^2 /NDF: 14419021.1/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 ± 0.040 χ^2/NDF : 27.6/28

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.035 ± 0.036 χ^2/NDF : 40.7/33

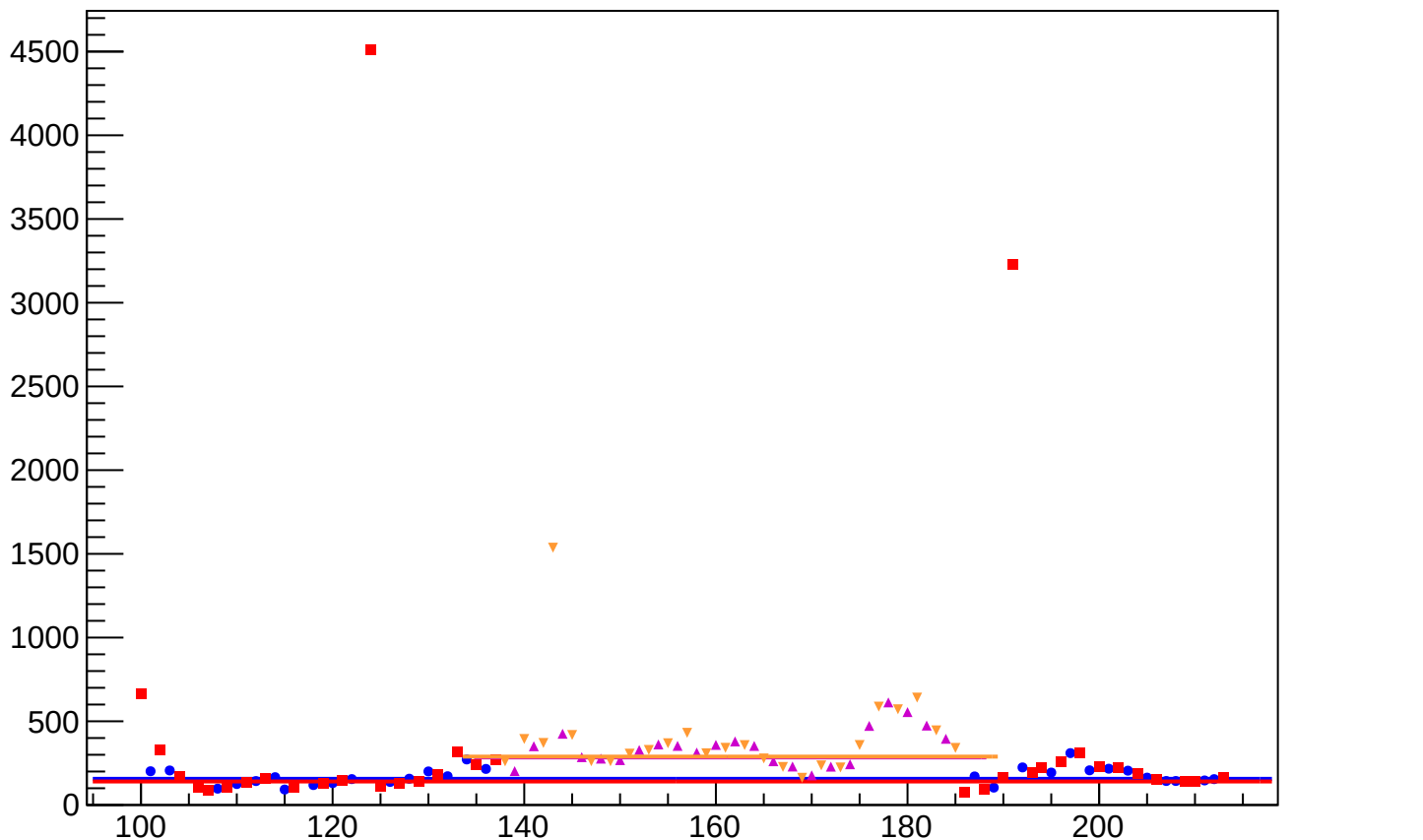
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.024 ± 0.035 χ^2/NDF : 56.5/53

All: 0.020 ± 0.023 χ^2/NDF : 126.2/110

- sign 0.017 ± 0.032 χ^2/NDF : 69.7/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312 $\pm$ 0.028 χ^2 /NDF: 2259862.8/28

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 140.487 $\pm$ 0.025 χ^2 /NDF: 4720476.5/33

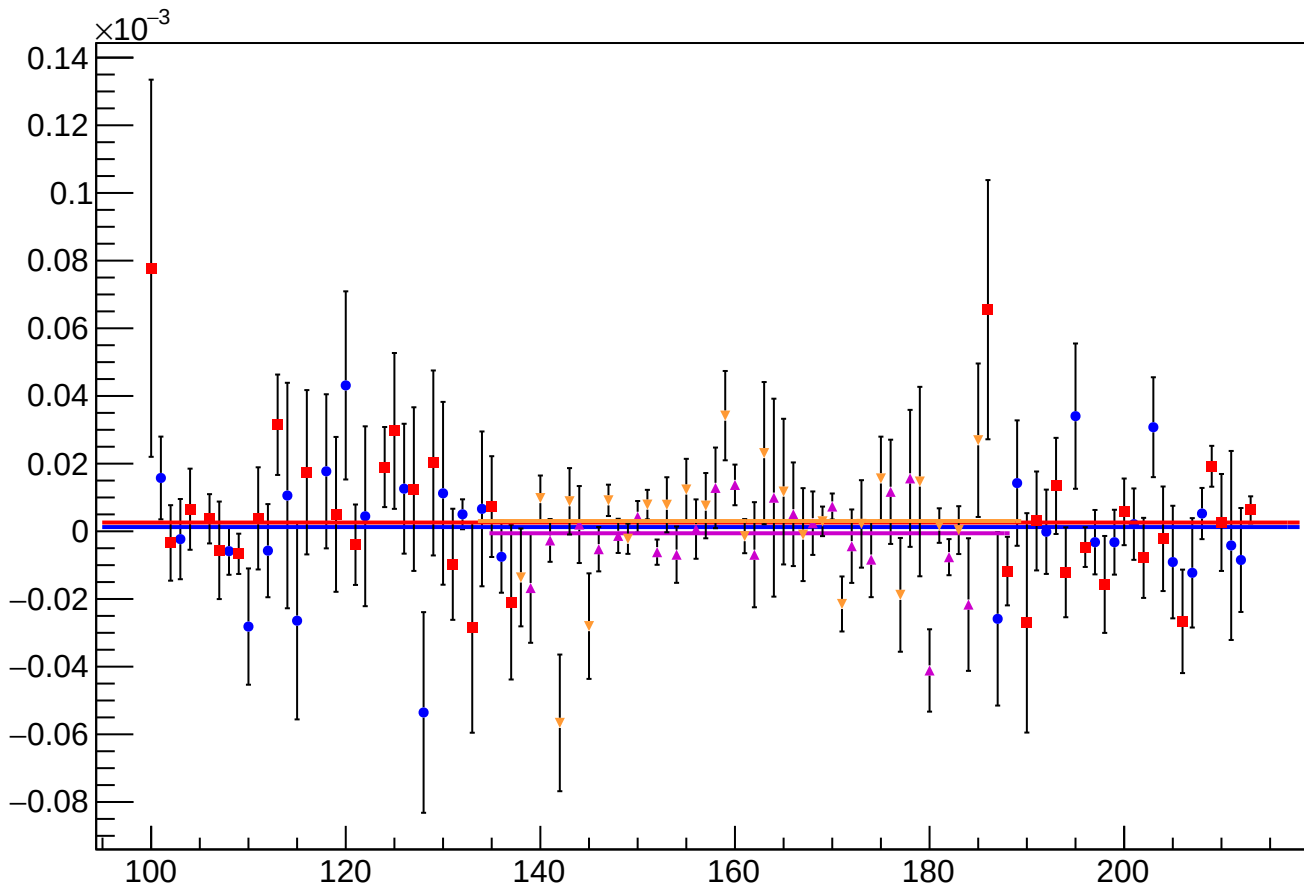
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 187.746 $\pm$ 0.024 χ^2 /NDF: 12228425.8/53

All: 178.134 $\pm$ 0.017 χ^2 /NDF: 26933439.9/1

- sign 169.960 $\pm$ 0.023 χ^2 /NDF: 14419021.1/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.6/33

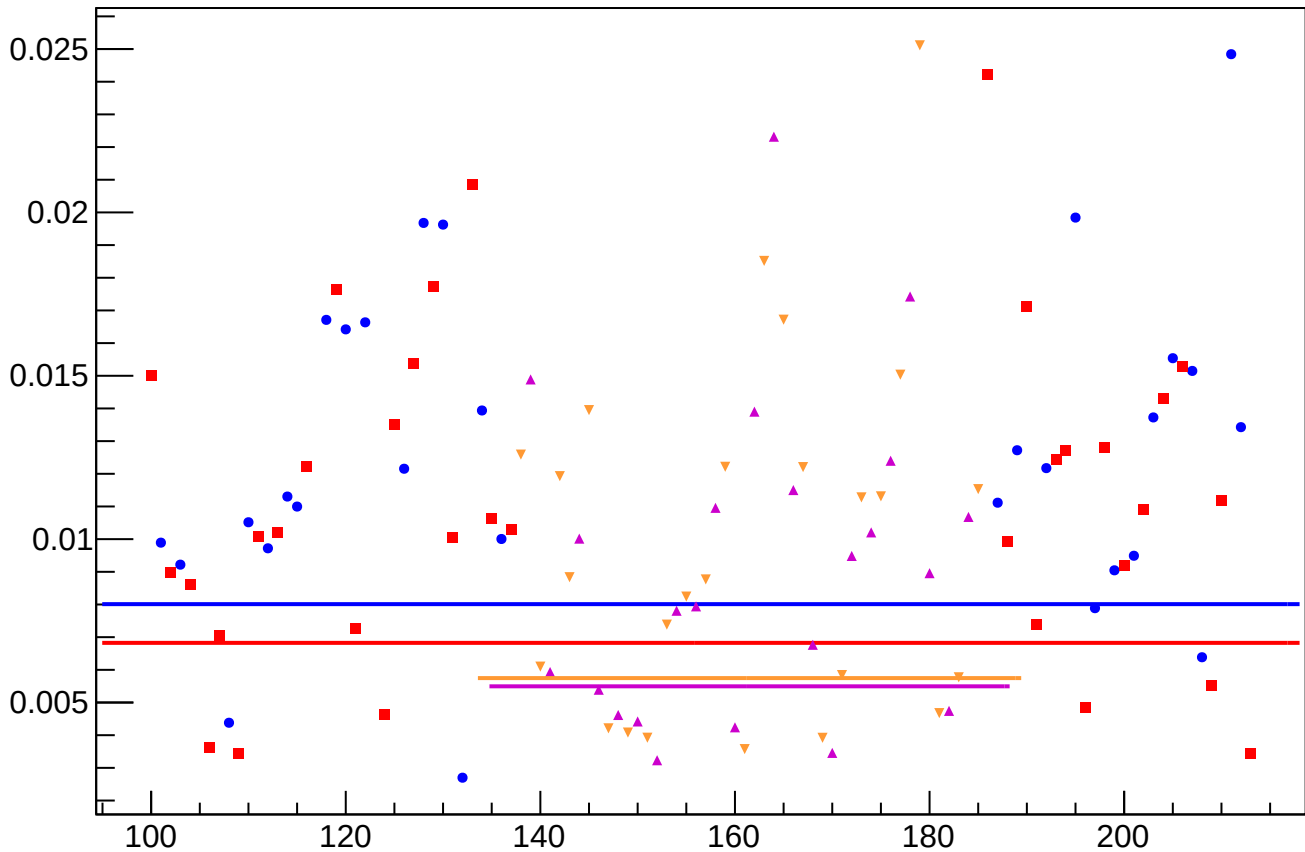
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 143.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.6/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8483072.5/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:8128513.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8640607.2/33

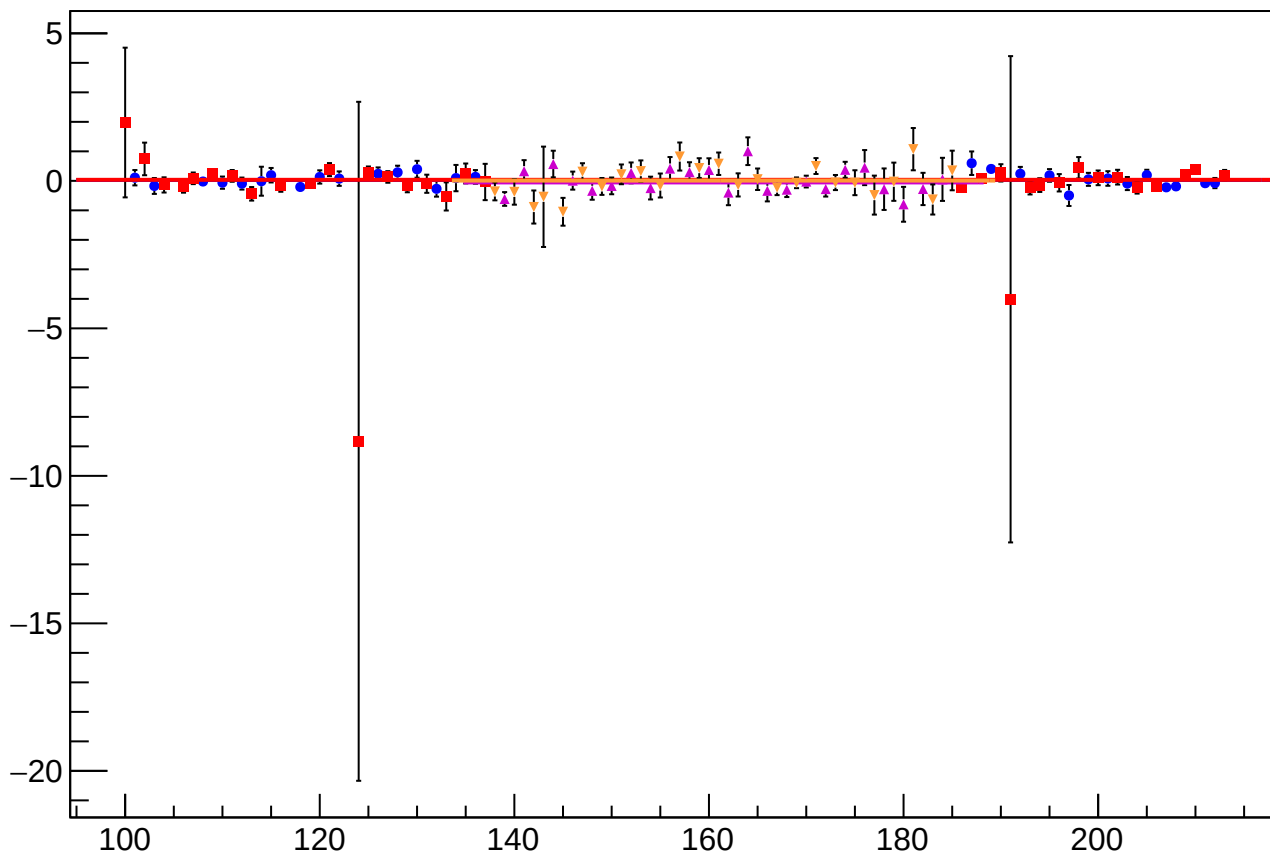
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:6937299.0/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 17991088.4/53

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 34307175.0/110

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16194748.4/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029 ± 0.040 χ^2/NDF : 27.6/28

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.035 ± 0.036 χ^2/NDF : 40.7/33

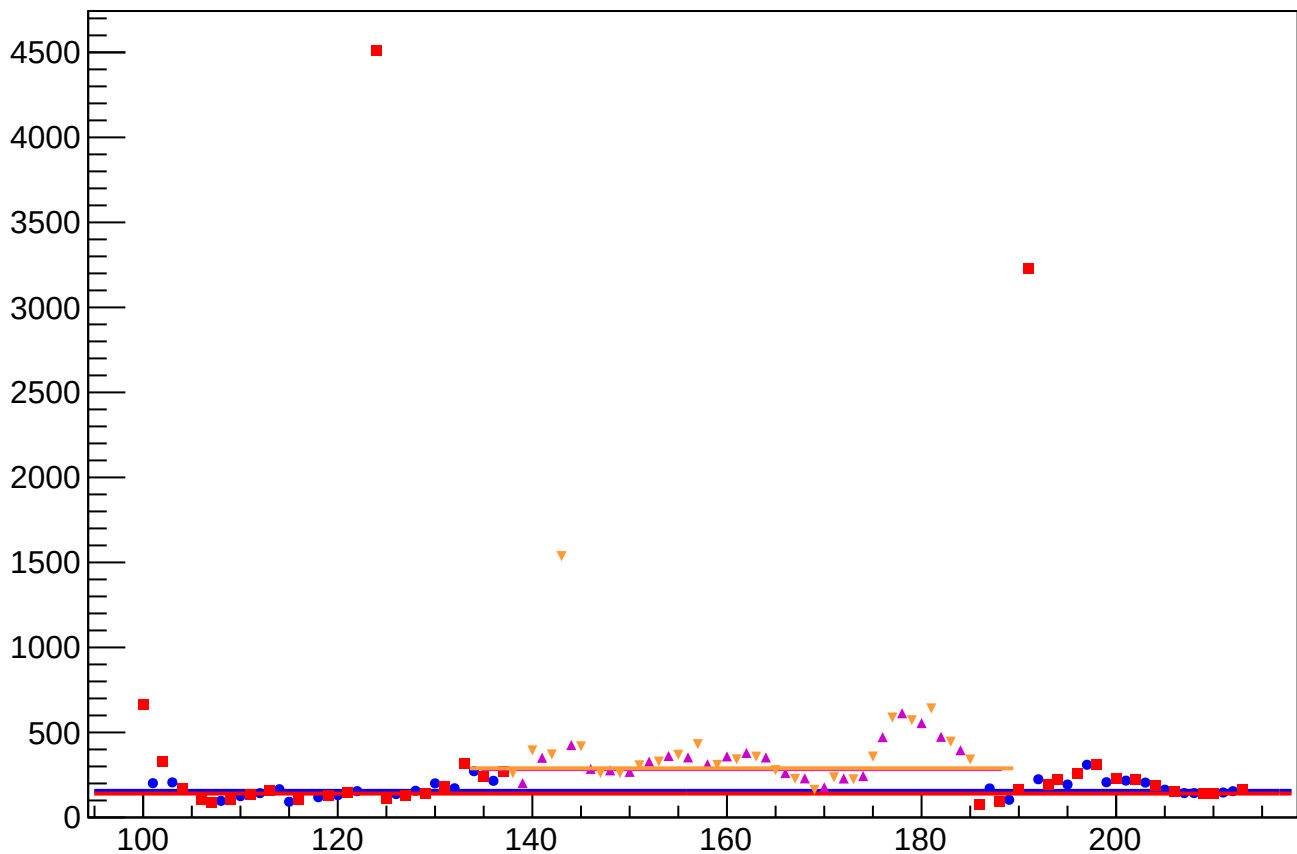
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.024 ± 0.035 χ^2/NDF : 56.5/53

All: 0.020 ± 0.023 χ^2/NDF : 126.2/110

- sign 0.017 ± 0.032 χ^2/NDF : 69.7/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259840.6/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF : 4720310.1/33

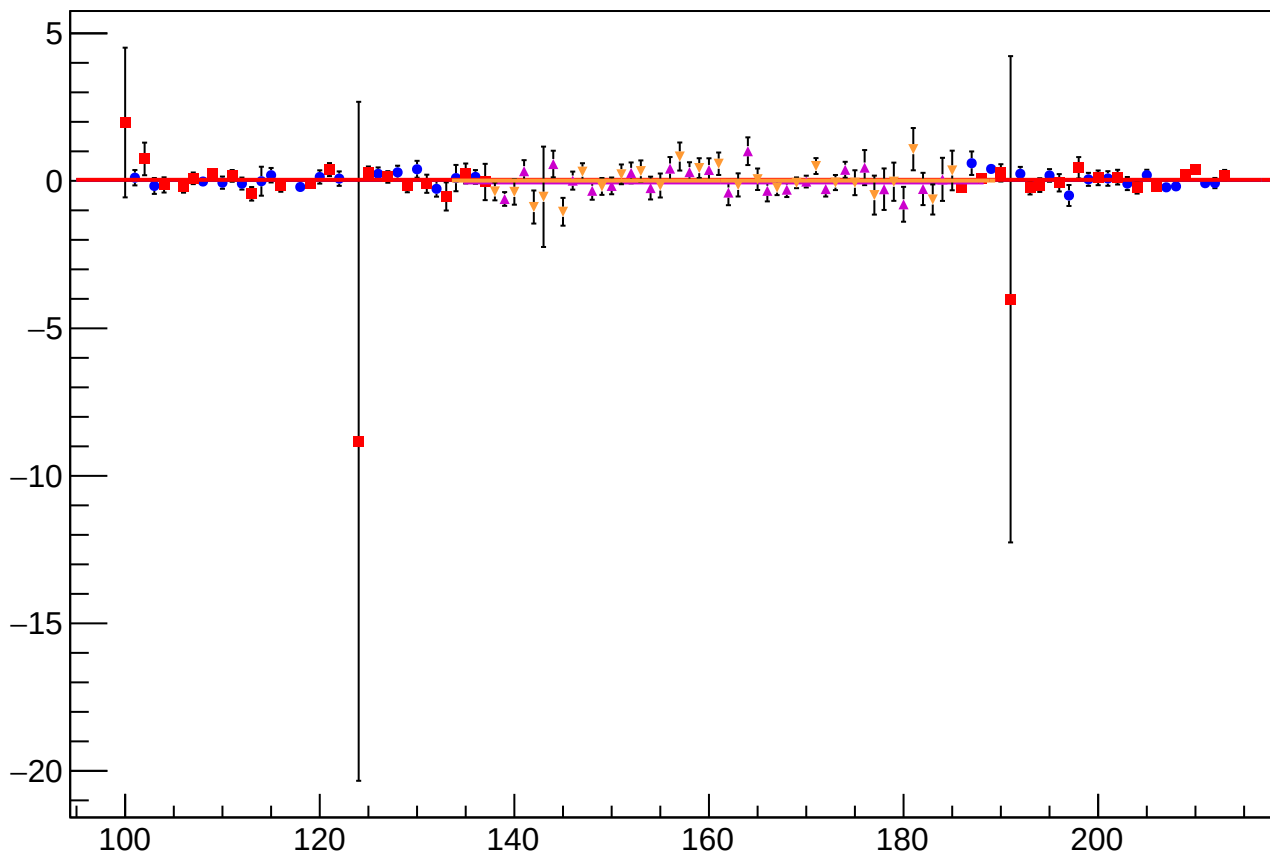
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 187.747+/-0.024 χ^2/NDF : 12228512.1/53

All: 178.136+/-0.017 χ^2/NDF : 26933313.2/11

- sign 169.962+/-0.023 χ^2/NDF : 14418846.9/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029 $\pm$ 0.040 χ^2 /NDF: 27.6/28

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.035 $\pm$ 0.036 χ^2 /NDF: 40.7/33

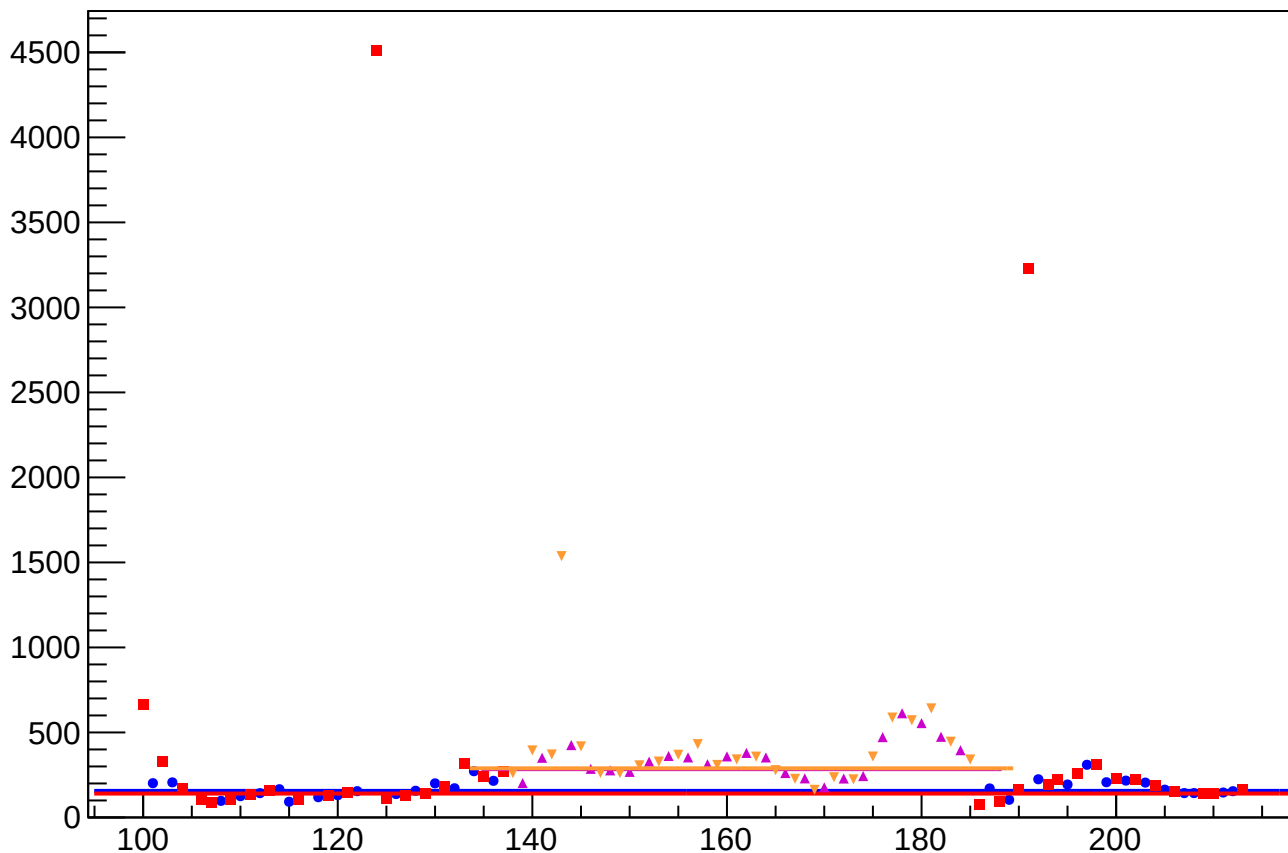
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.024 $\pm$ 0.035 χ^2 /NDF: 56.5/53

All: 0.020 $\pm$ 0.023 χ^2 /NDF: 126.2/110

- sign 0.017 $\pm$ 0.032 χ^2 /NDF: 69.7/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.312+/-0.028 χ^2/NDF : 2259840.6/28

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF : 4720310.1/33

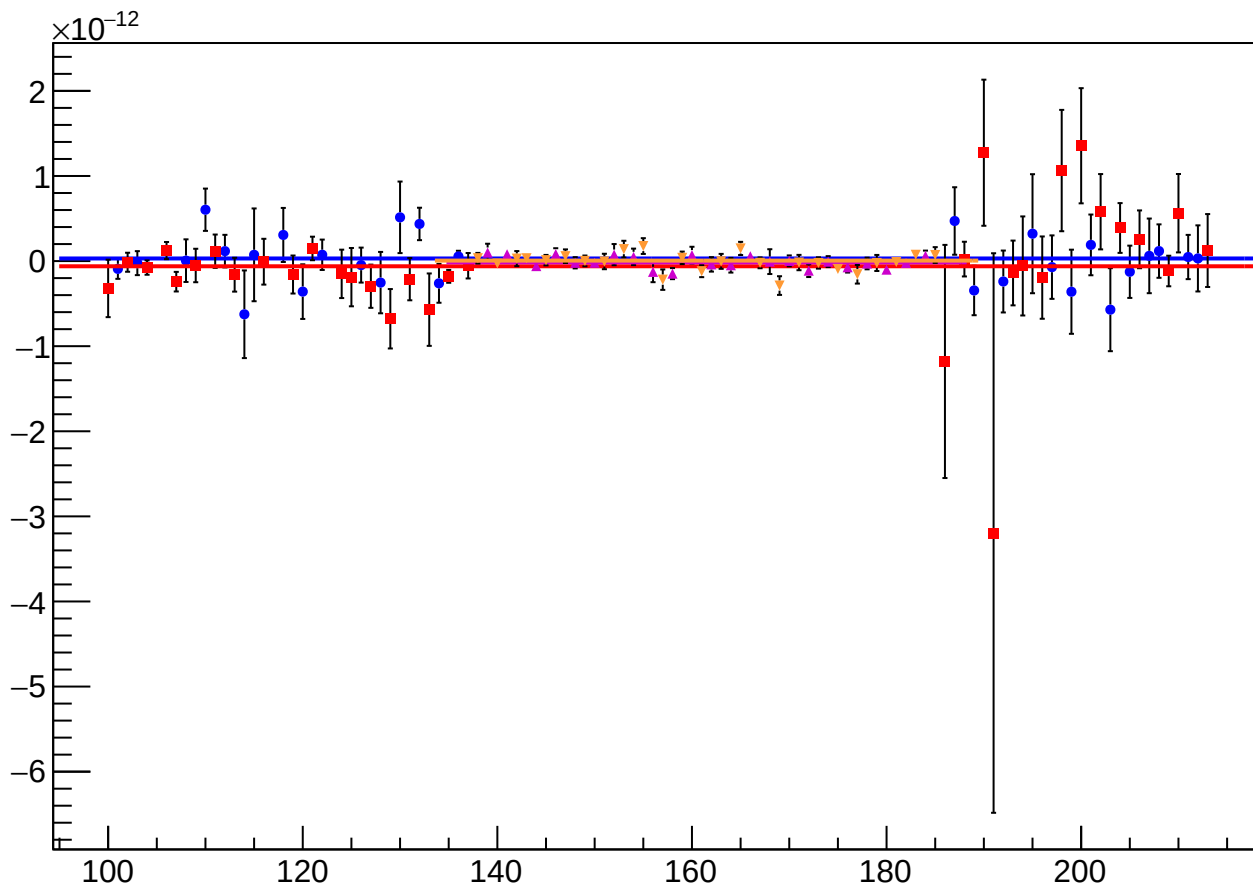
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 187.747+/-0.024 χ^2/NDF : 12228512.1/53

All: 178.136+/-0.017 χ^2/NDF : 26933313.2/11

- sign 169.962+/-0.023 χ^2/NDF : 14418846.9/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/33

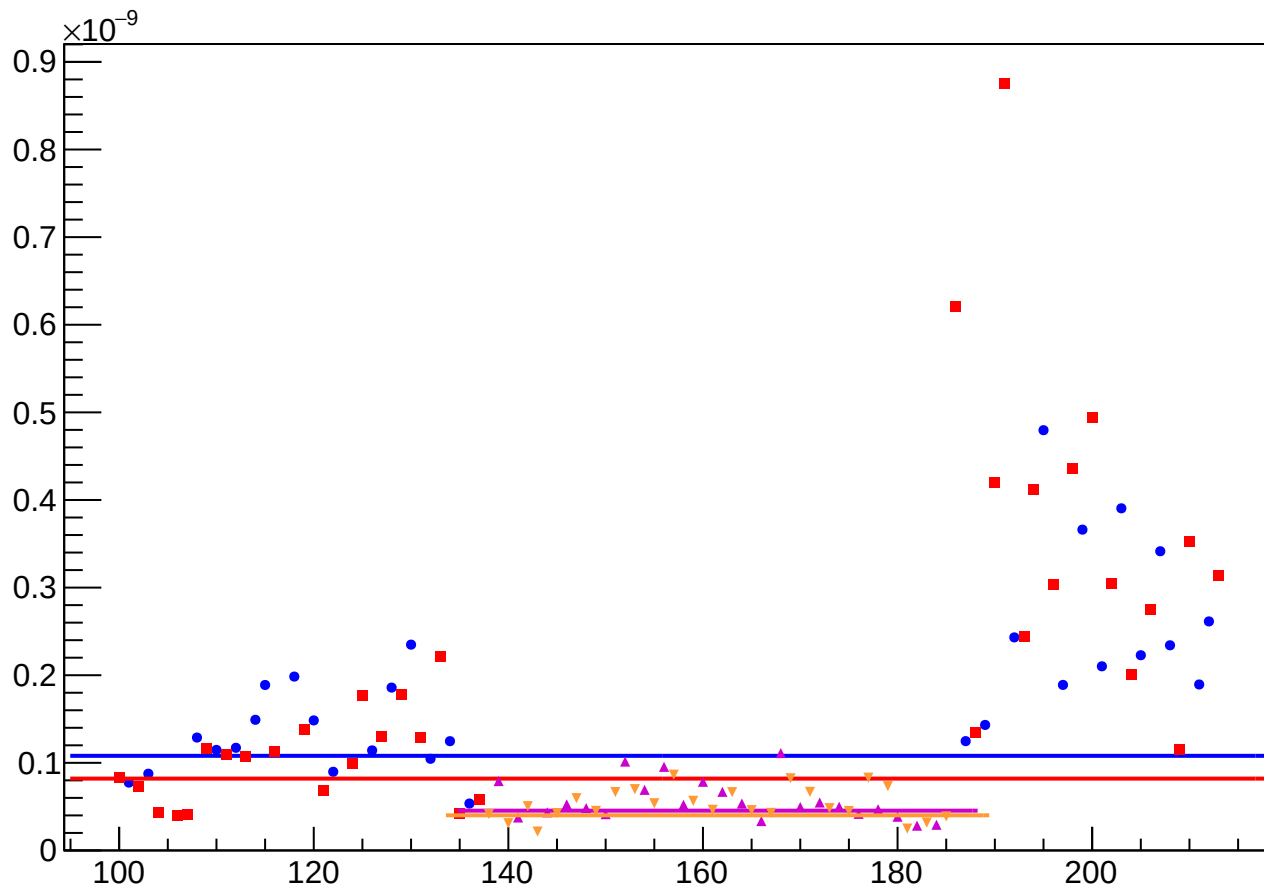
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 125.2/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6105920.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3609934.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8993126.0/33

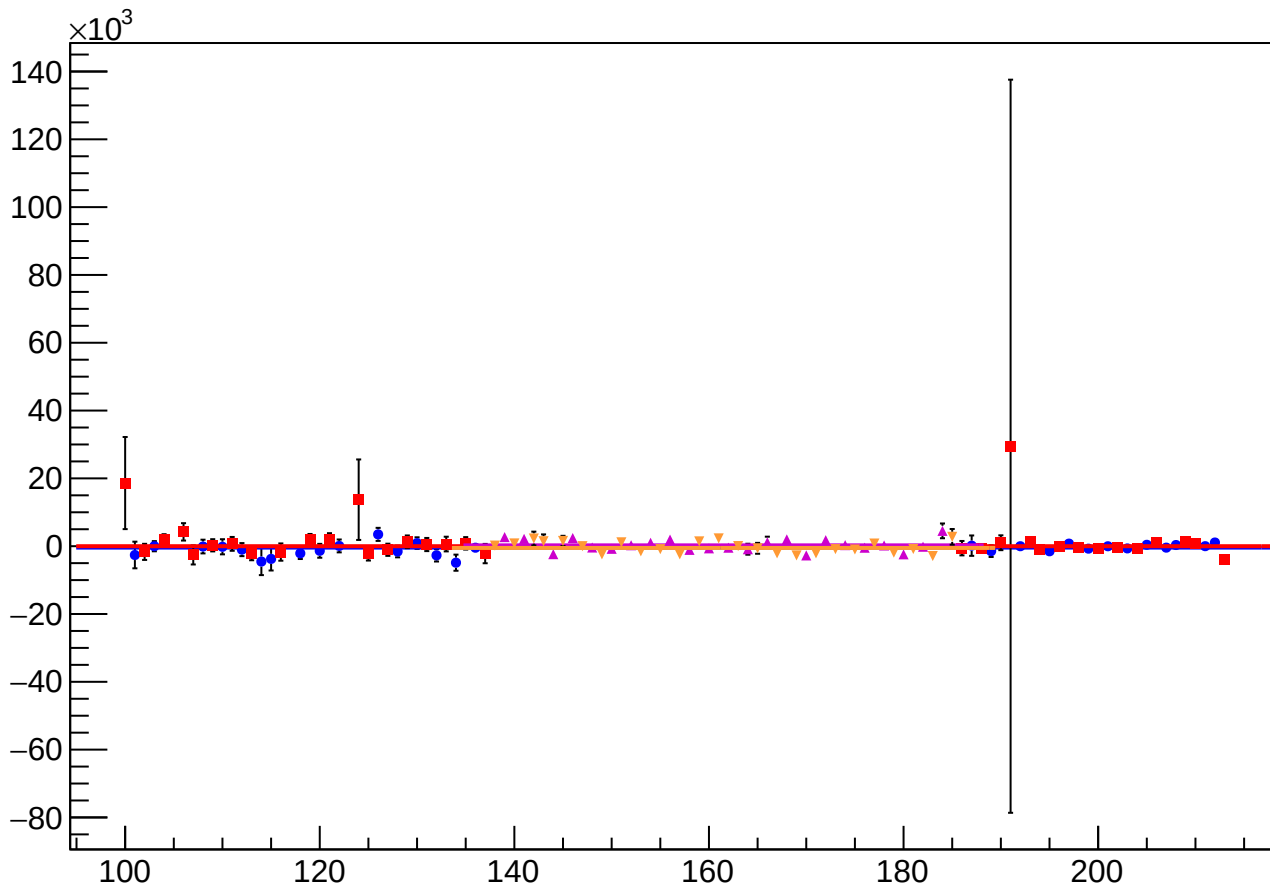
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2780344.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15143924.1/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29266563.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13962625.3/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -408.326+/-307.189 χ^2 /NDF: 17.9/28

Left Out: -514.484+/-285.945 χ^2 /NDF:30.9/24

Right Out: -4.501+/-299.265 χ^2 /NDF: 29.8/33

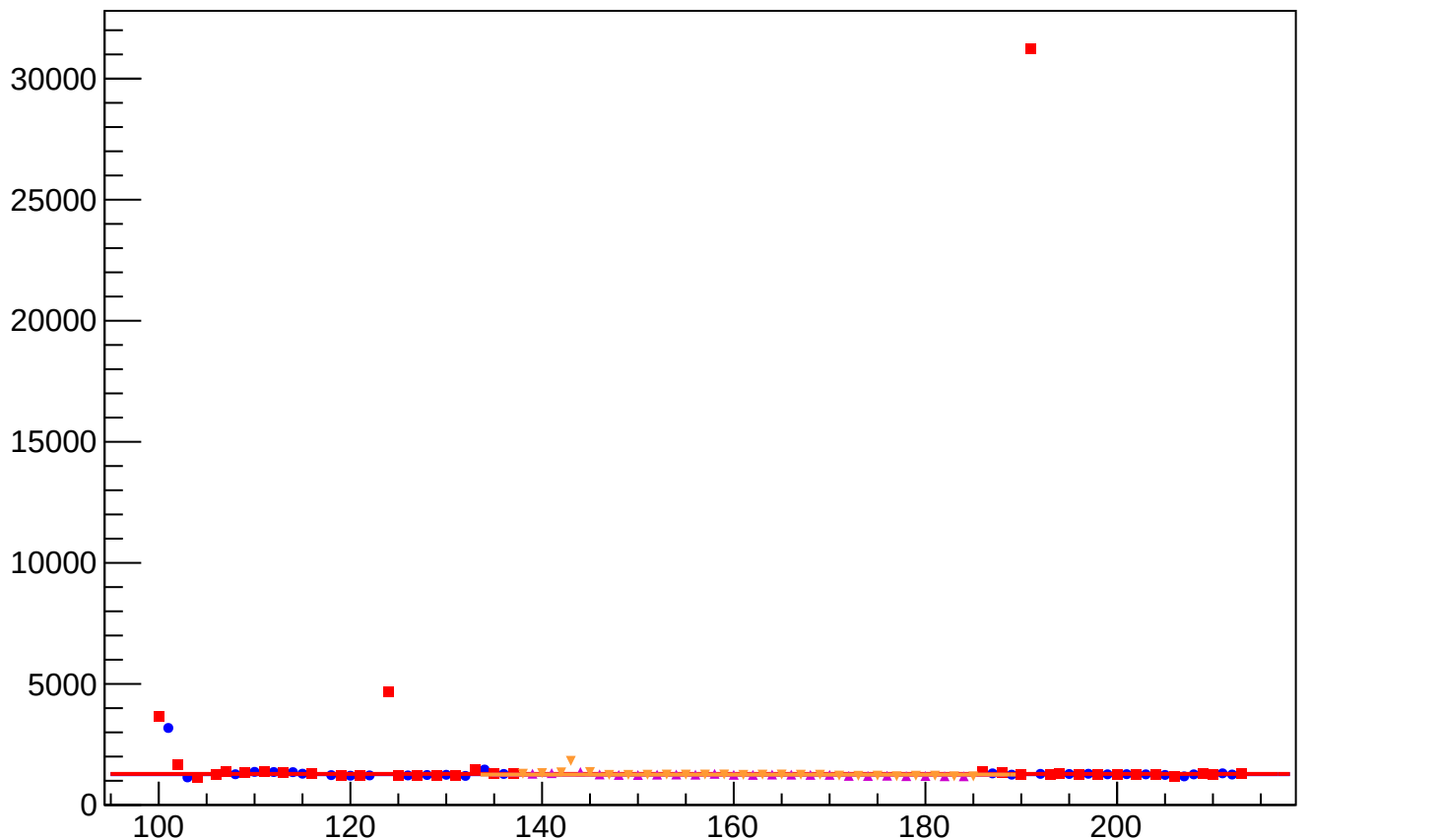
Left In: 242.686+/-291.166 χ^2 /NDF:32.0/22

+ sign -465.203+/-209.301 χ^2 /NDF: 48.9/53

All: -170.501+/-147.782 χ^2 /NDF: 115.1/110

- sign 122.482+/-208.690 χ^2 /NDF: 62.2/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533683.3/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.1/24

Right Out: 1283.846 $\pm$ 0.212 χ^2 /NDF: 507659.6/33

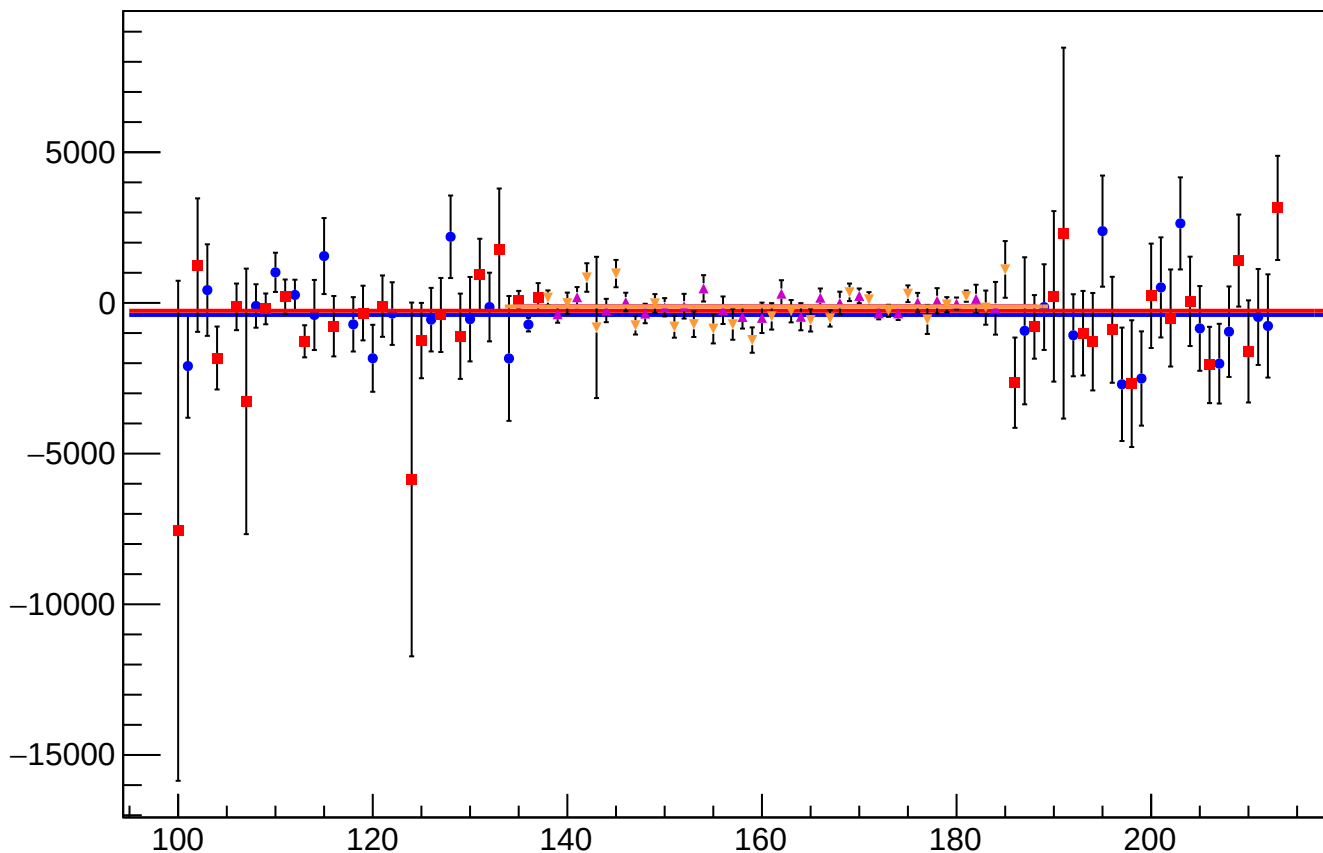
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740061.4/53

All: 1263.981 $\pm$ 0.104 χ^2 /NDF: 1303736.9/11

- sign 1264.586 $\pm$ 0.148 χ^2 /NDF: 563641.8/56

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -398.755 ± 156.979 χ^2/NDF : 30.1/28

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -259.769 ± 156.900 χ^2/NDF : 27.8/33

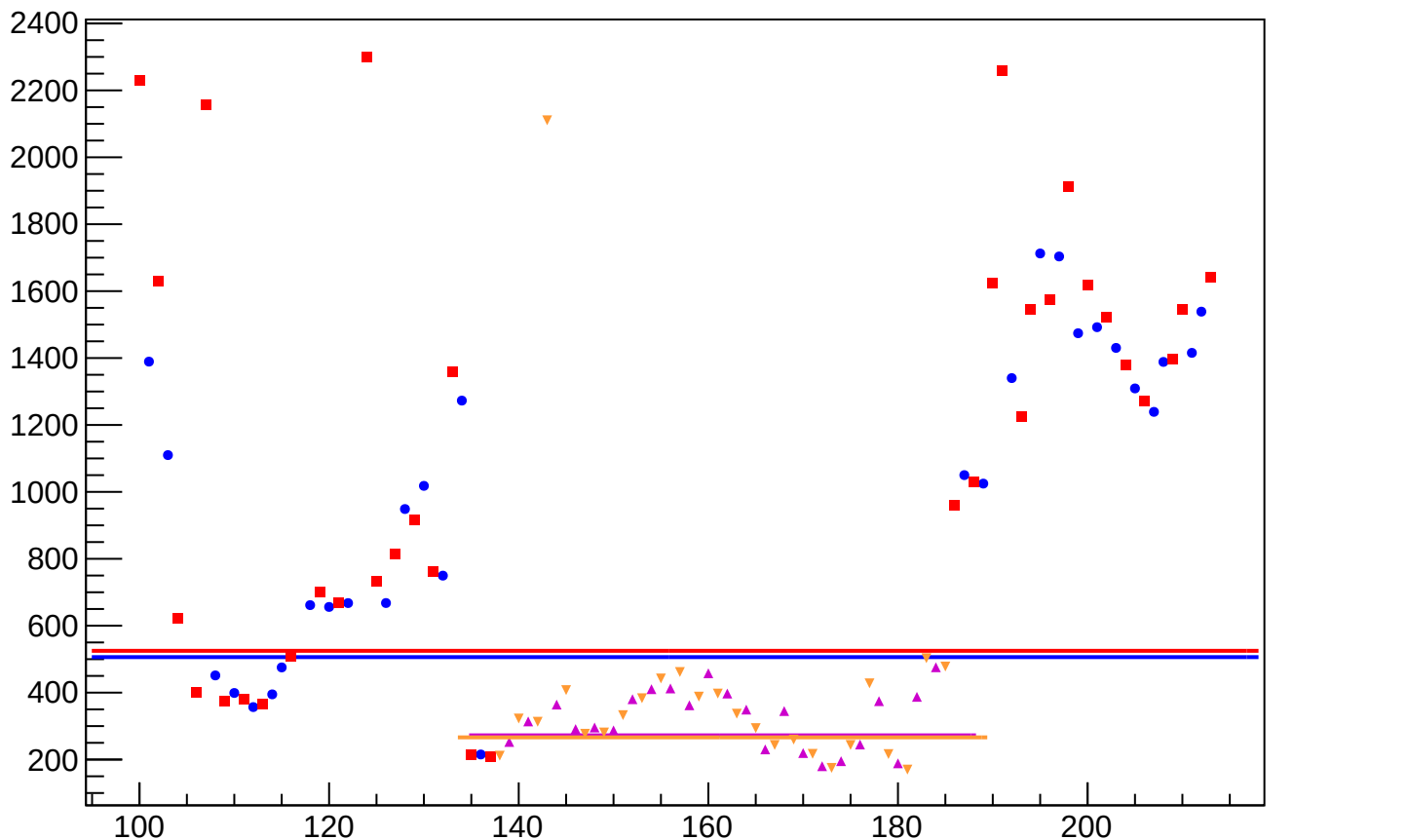
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -158.325 ± 60.102 χ^2/NDF : 81.3/53

All: -144.930 ± 43.024 χ^2/NDF : 123.8/110

- sign -130.850 ± 61.618 χ^2/NDF : 42.4/56

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 506.128+/-0.111 χ^2/NDF : 13693365.2/28

Left Out: 266.321+/-0.046 χ^2/NDF : 4630130.4/24

Right Out: 525.002+/-0.111 χ^2/NDF : 14551589.6/33

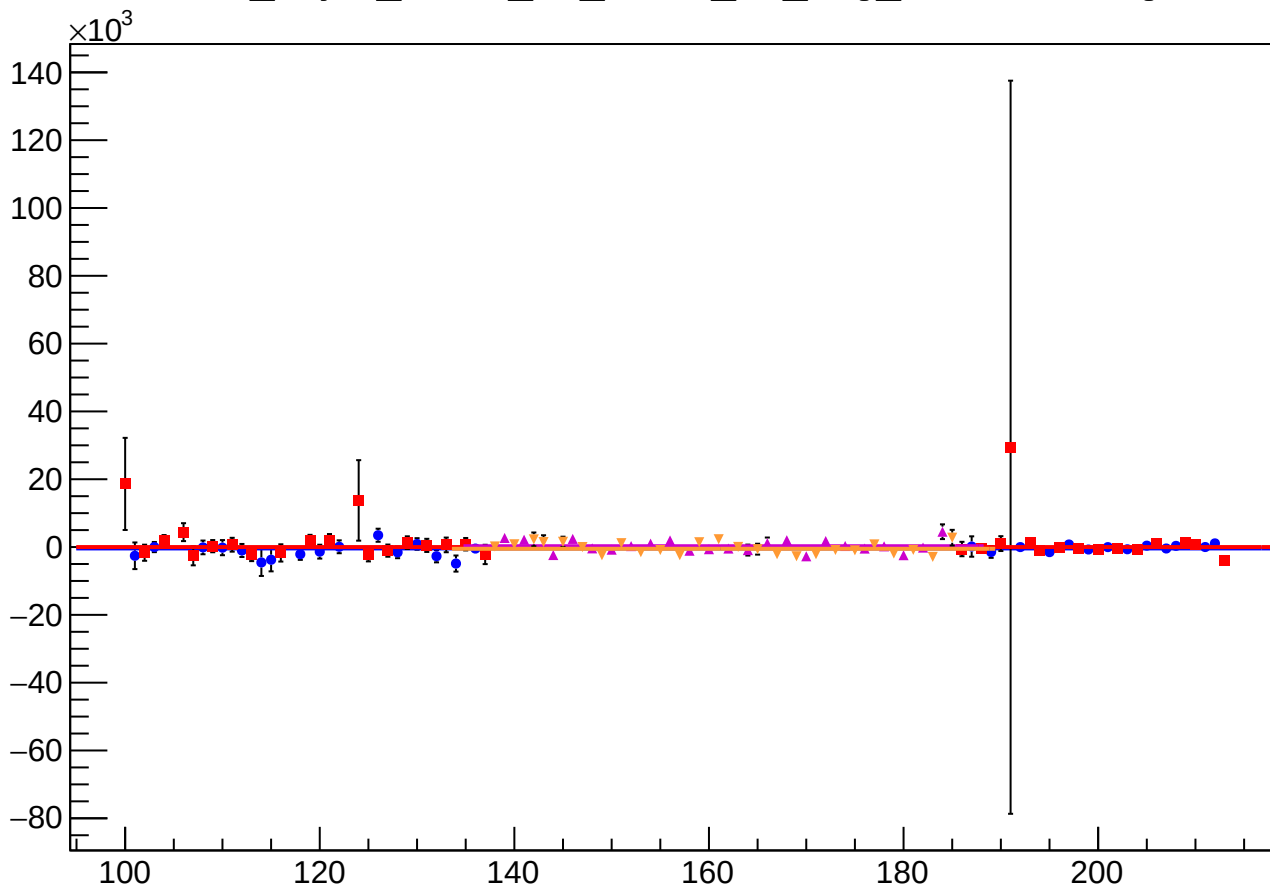
Left In: 272.368+/-0.047 χ^2/NDF : 2887823.5/22

+ sign 301.473+/-0.042 χ^2/NDF : 22306695.5/53

All: 306.279+/-0.030 χ^2/NDF : 44157834.7/11

- sign 311.331+/-0.044 χ^2/NDF : 21824904.6/56

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -408.178+/-307.189 χ^2 /NDF: 17.9/28

Left Out: -514.430+/-285.945 χ^2 /NDF: 30.9/24

Right Out: -5.775+/-299.387 χ^2 /NDF: 29.8/33

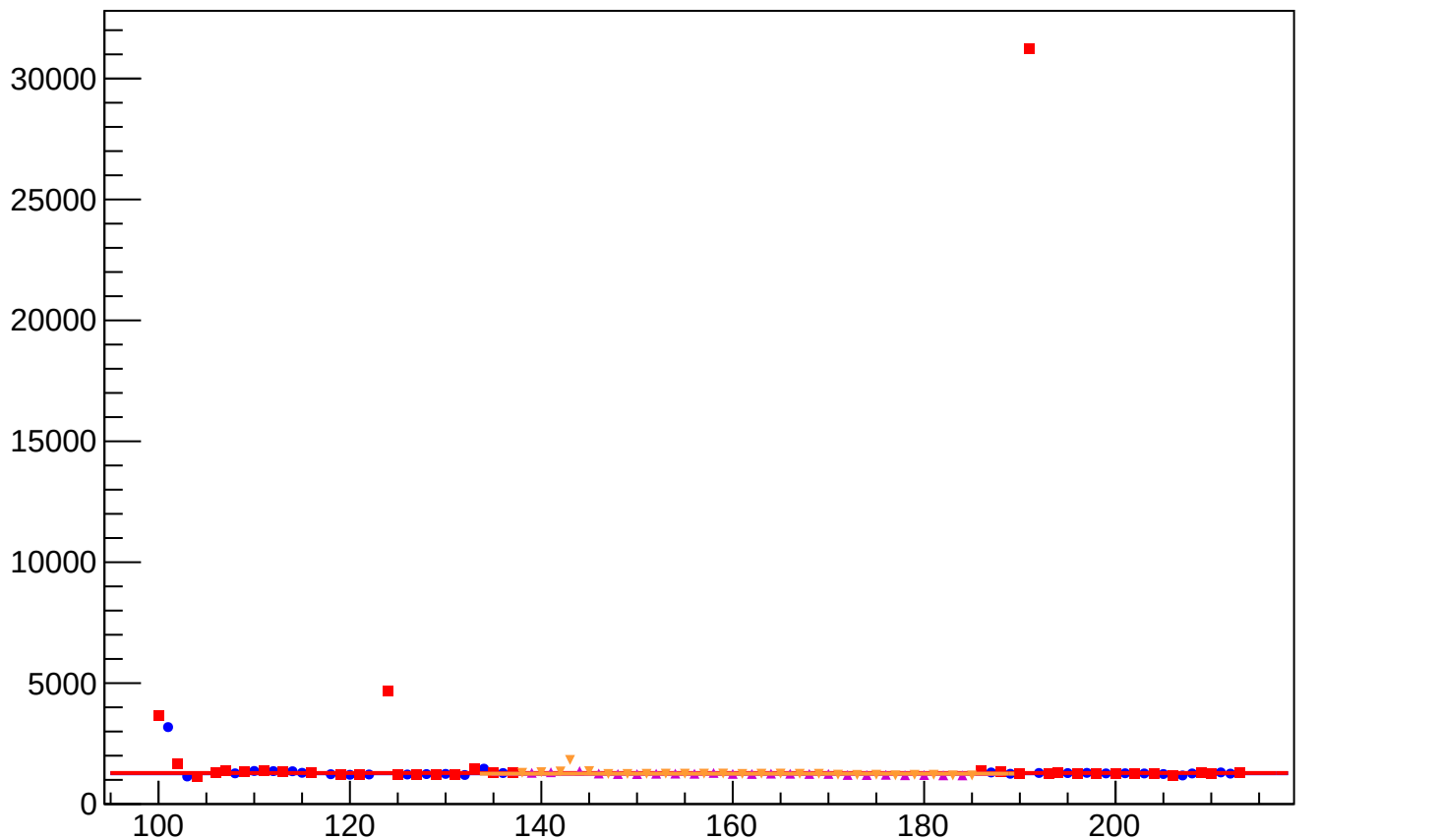
Left In: 242.663+/-291.166 χ^2 /NDF: 32.0/22

+ sign -465.105+/-209.301 χ^2 /NDF: 48.9/53

All: -170.802+/-147.796 χ^2 /NDF: 115.1/110

- sign 121.901+/-208.731 χ^2 /NDF: 62.2/56

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533684.7/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.0/24

Right Out: 1284.386 $\pm$ 0.212 χ^2 /NDF: 507636.9/33

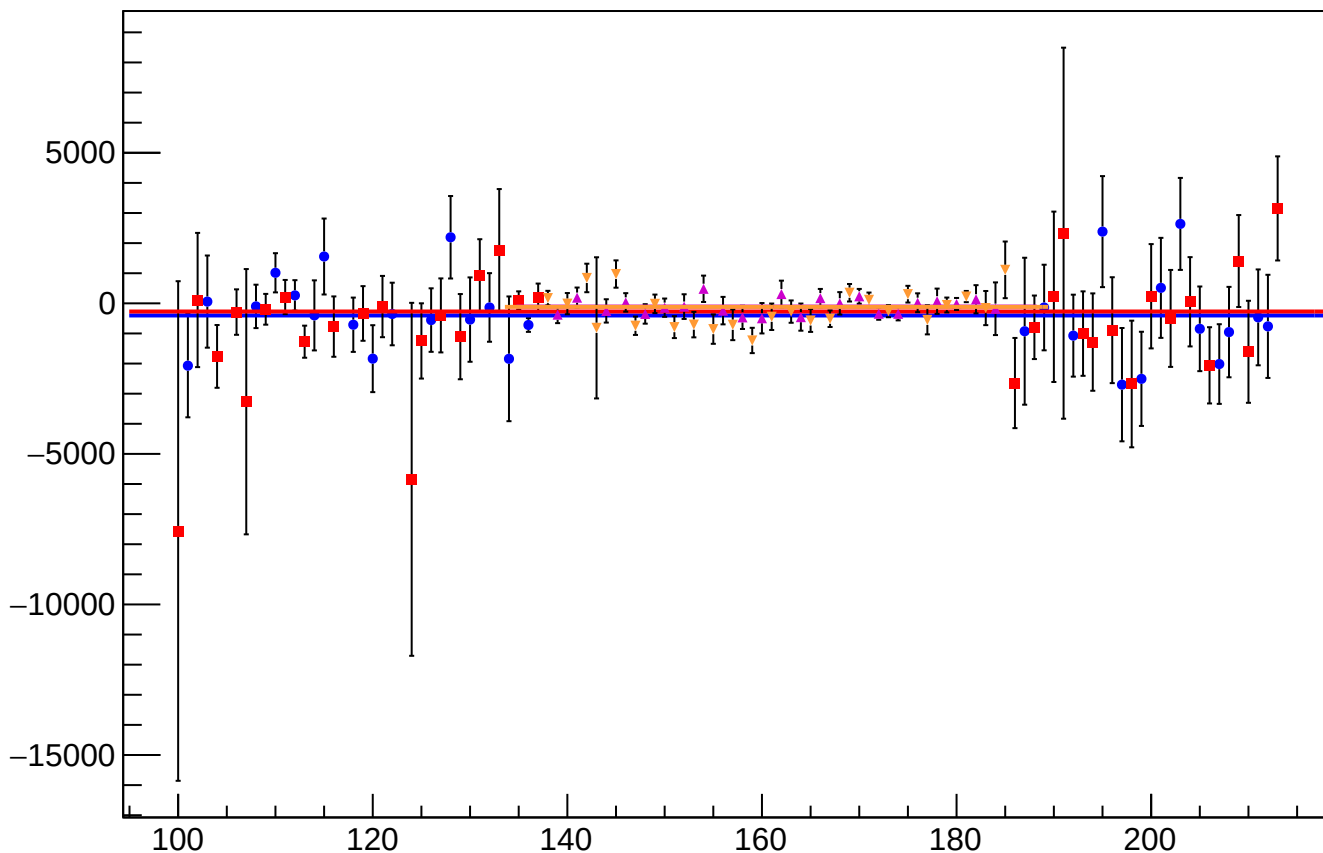
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740062.7/53

All: 1264.109 $\pm$ 0.105 χ^2 /NDF: 1304192.0/11

- sign 1264.841 $\pm$ 0.148 χ^2 /NDF: 564079.9/56

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



Right In: -402.644 ± 156.995 χ^2/NDF : 29.9/28

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -270.932 ± 156.743 χ^2/NDF : 27.2/33

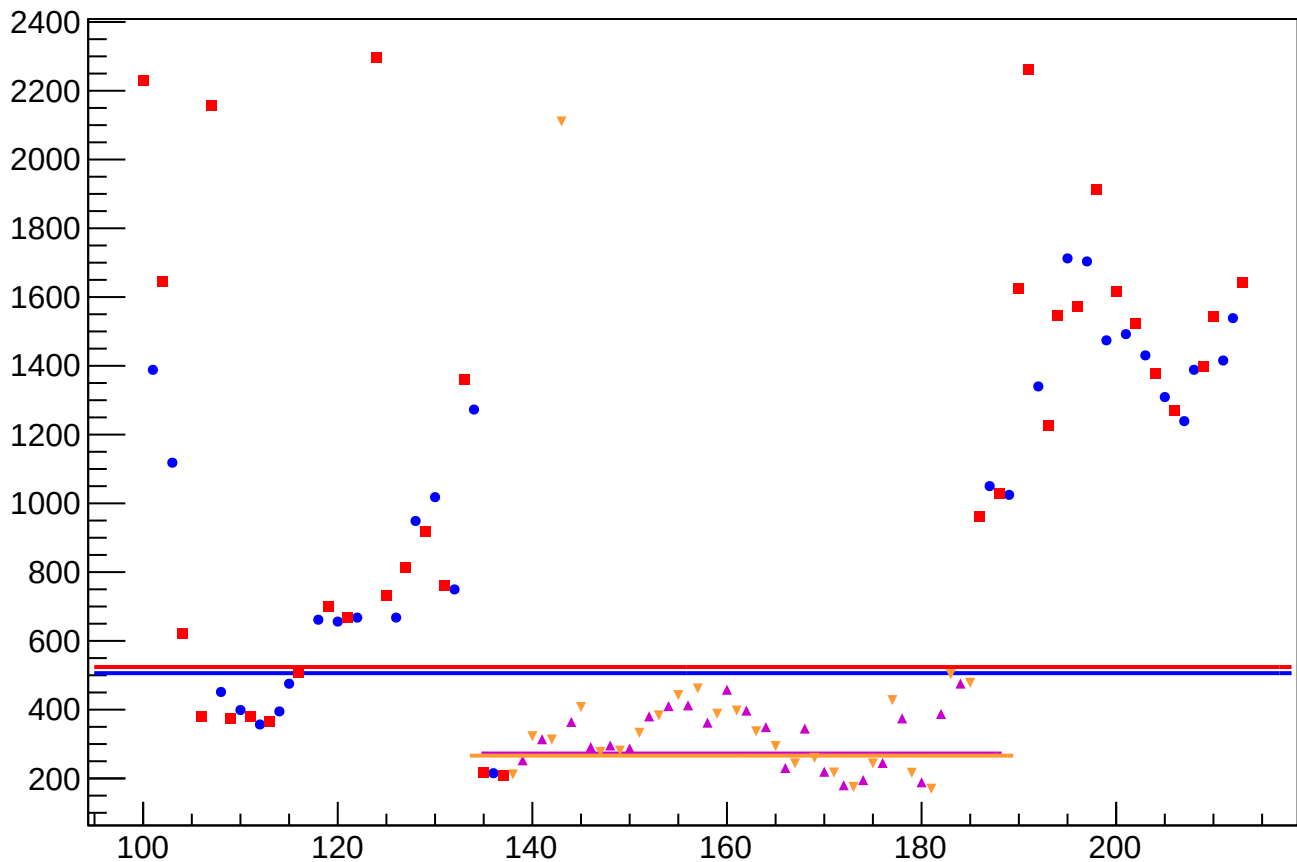
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -158.867 ± 60.104 χ^2/NDF : 81.2/53

All: -146.115 ± 43.022 χ^2/NDF : 123.1/110

- sign -132.715 ± 61.610 χ^2/NDF : 41.8/56

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 506.147 $\pm$ 0.111 χ^2 /NDF: 13696399.9/28

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 523.914 $\pm$ 0.111 χ^2 /NDF: 14579020.0/33

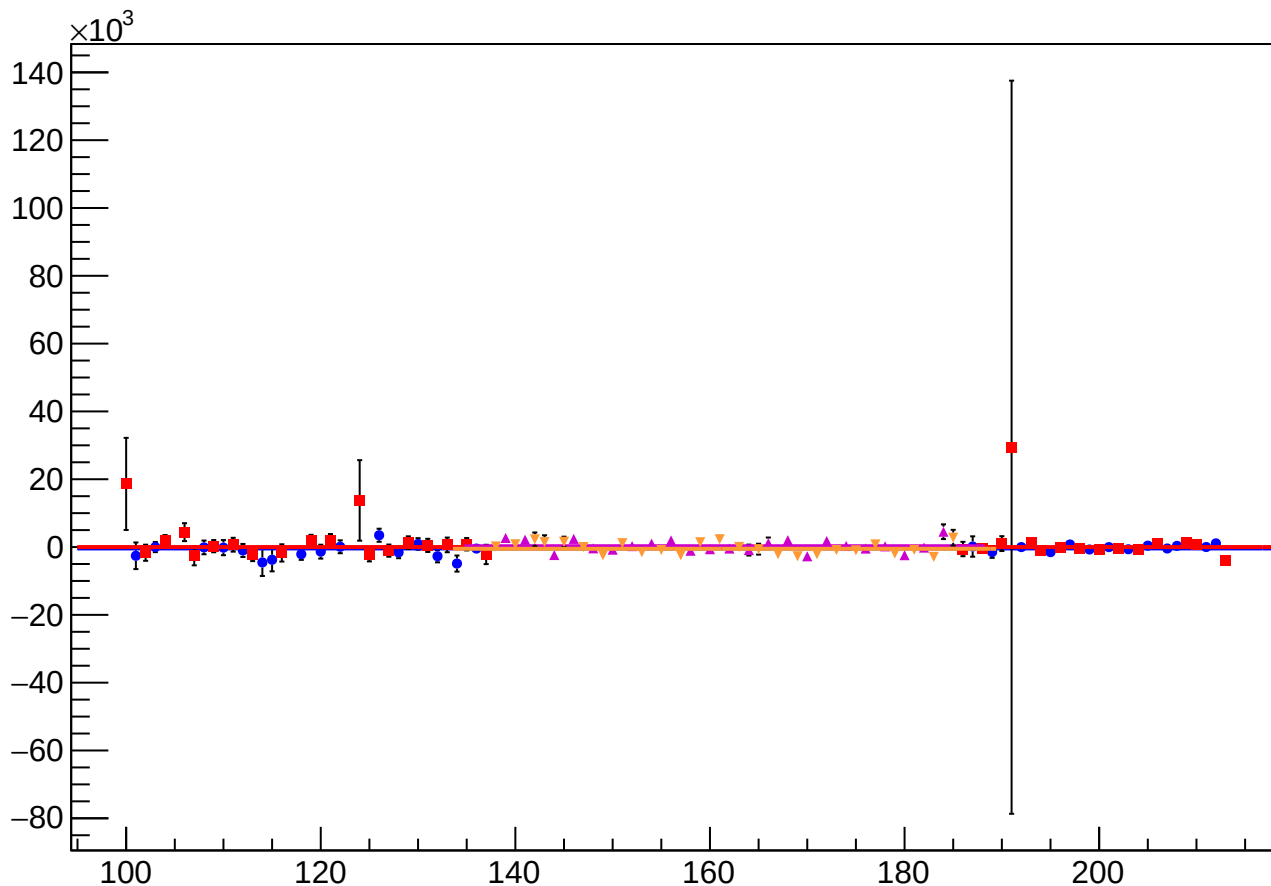
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 301.476 $\pm$ 0.042 χ^2 /NDF: 22309483.7/53

All: 306.237 $\pm$ 0.030 χ^2 /NDF: 44156627.3/11

- sign 311.239 $\pm$ 0.044 χ^2 /NDF: 21821408.2/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -408.178+/-307.189 χ^2 /NDF: 17.9/28

Left Out: -514.430+/-285.945 χ^2 /NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2 /NDF: 29.8/33

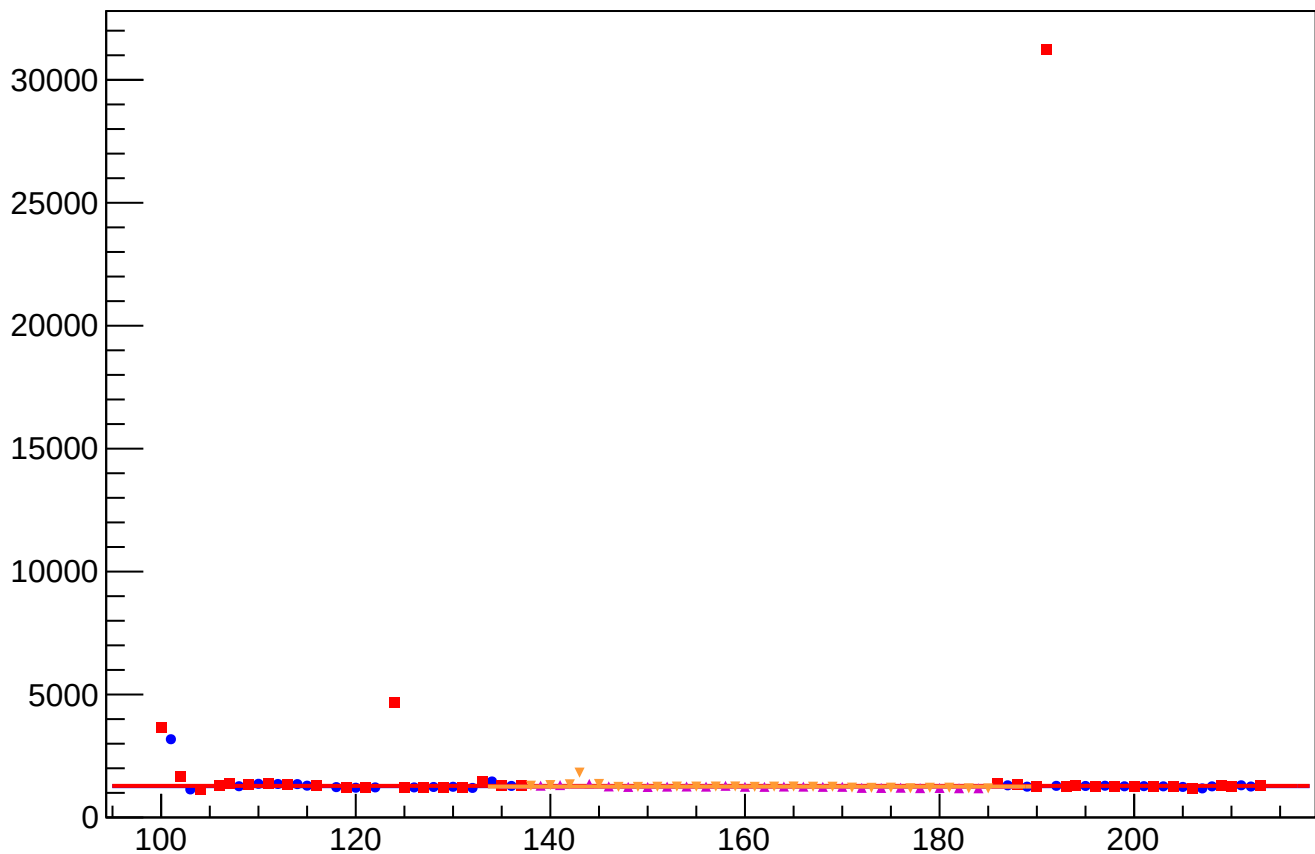
Left In: 242.663+/-291.166 χ^2 /NDF:32.0/22

+ sign -465.105+/-209.301 χ^2 /NDF: 48.9/53

All: -170.802+/-147.796 χ^2 /NDF: 115.1/110

- sign 121.901+/-208.731 χ^2 /NDF: 62.2/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1272.442 $\pm$ 0.217 χ^2 /NDF: 533684.7/28

Left Out: 1255.514 $\pm$ 0.202 χ^2 /NDF: 203124.0/24

Right Out: 1284.386 $\pm$ 0.212 χ^2 /NDF: 507636.9/33

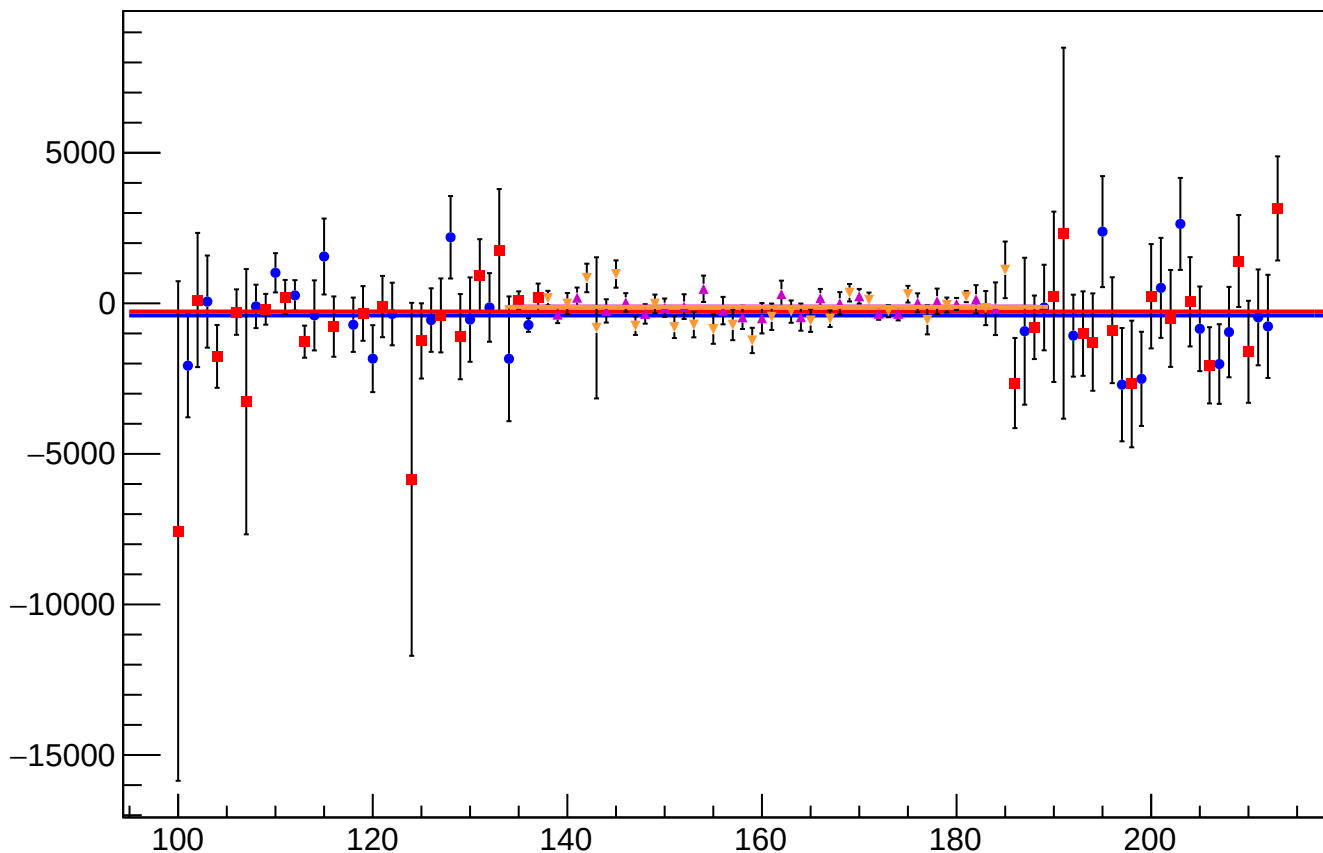
Left In: 1246.355 $\pm$ 0.206 χ^2 /NDF: 39857.0/22

+ sign 1263.372 $\pm$ 0.148 χ^2 /NDF: 740062.7/53

All: 1264.109 $\pm$ 0.105 χ^2 /NDF: 1304192.0/11

- sign 1264.841 $\pm$ 0.148 χ^2 /NDF: 564079.9/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -402.644 ± 156.995 χ^2/NDF : 29.9/28

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -270.932 ± 156.743 χ^2/NDF : 27.2/33

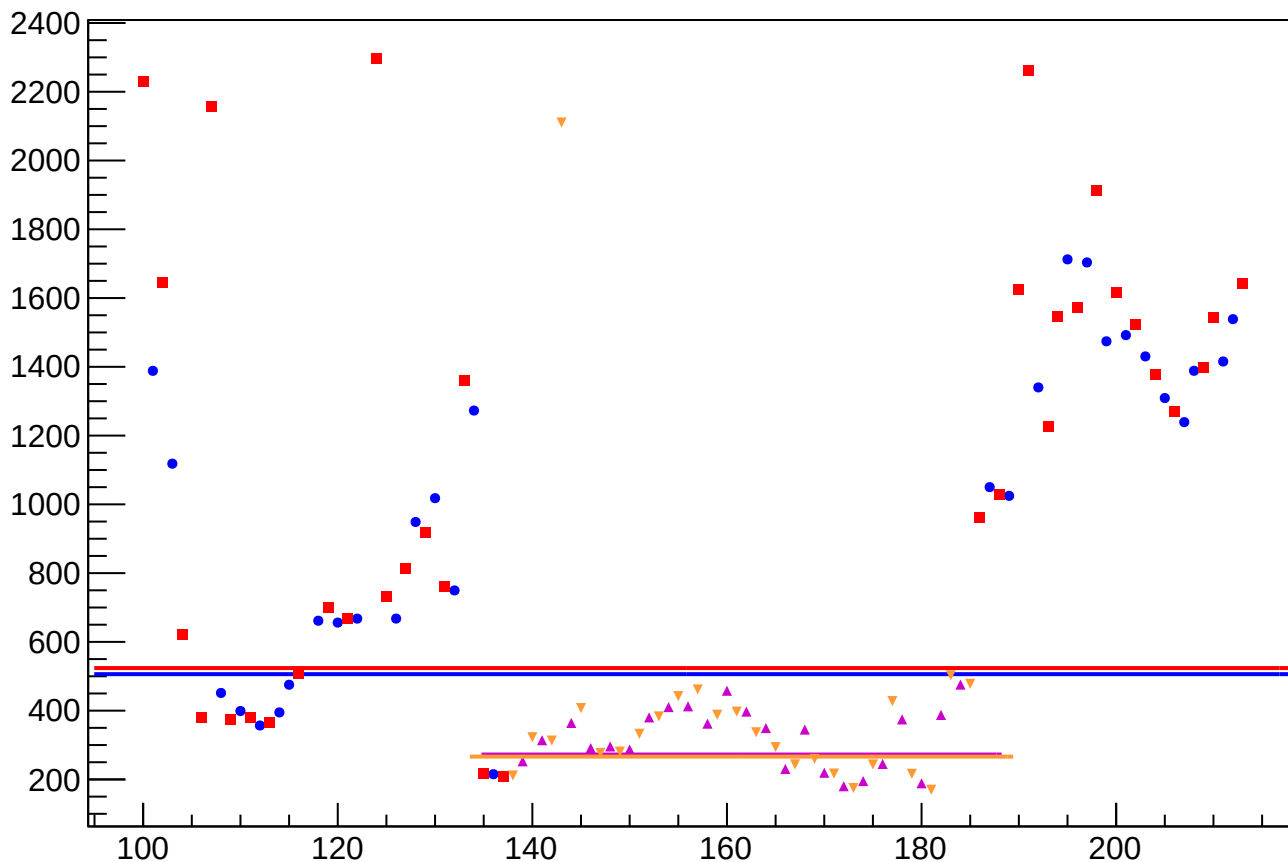
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -158.867 ± 60.104 χ^2/NDF : 81.2/53

All: -146.115 ± 43.022 χ^2/NDF : 123.1/110

- sign -132.715 ± 61.610 χ^2/NDF : 41.8/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 506.147 $\pm$ 0.111 χ^2 /NDF: 13696399.9/28

Left Out: 266.326 $\pm$ 0.046 χ^2 /NDF: 4630167.4/24

Right Out: 523.914 $\pm$ 0.111 χ^2 /NDF: 14579020.0/33

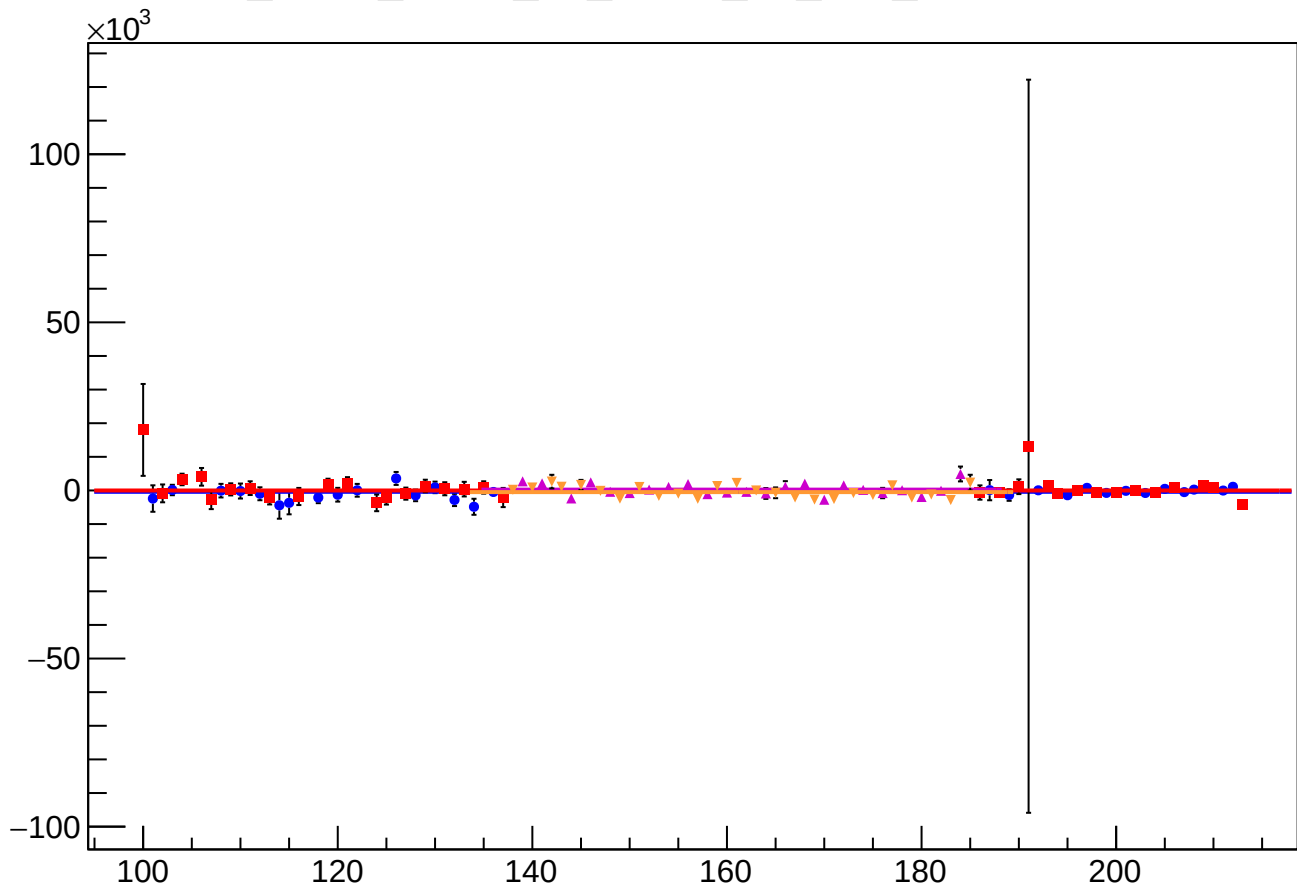
Left In: 272.378 $\pm$ 0.047 χ^2 /NDF: 2887597.1/22

+ sign 301.476 $\pm$ 0.042 χ^2 /NDF: 22309483.7/53

All: 306.237 $\pm$ 0.030 χ^2 /NDF: 44156627.3/11

- sign 311.239 $\pm$ 0.044 χ^2 /NDF: 21821408.2/56

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -403.388+/-308.068 χ^2/NDF : 17.9/28

Left Out: -493.436+/-282.734 χ^2/NDF : 34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF : 31.8/33

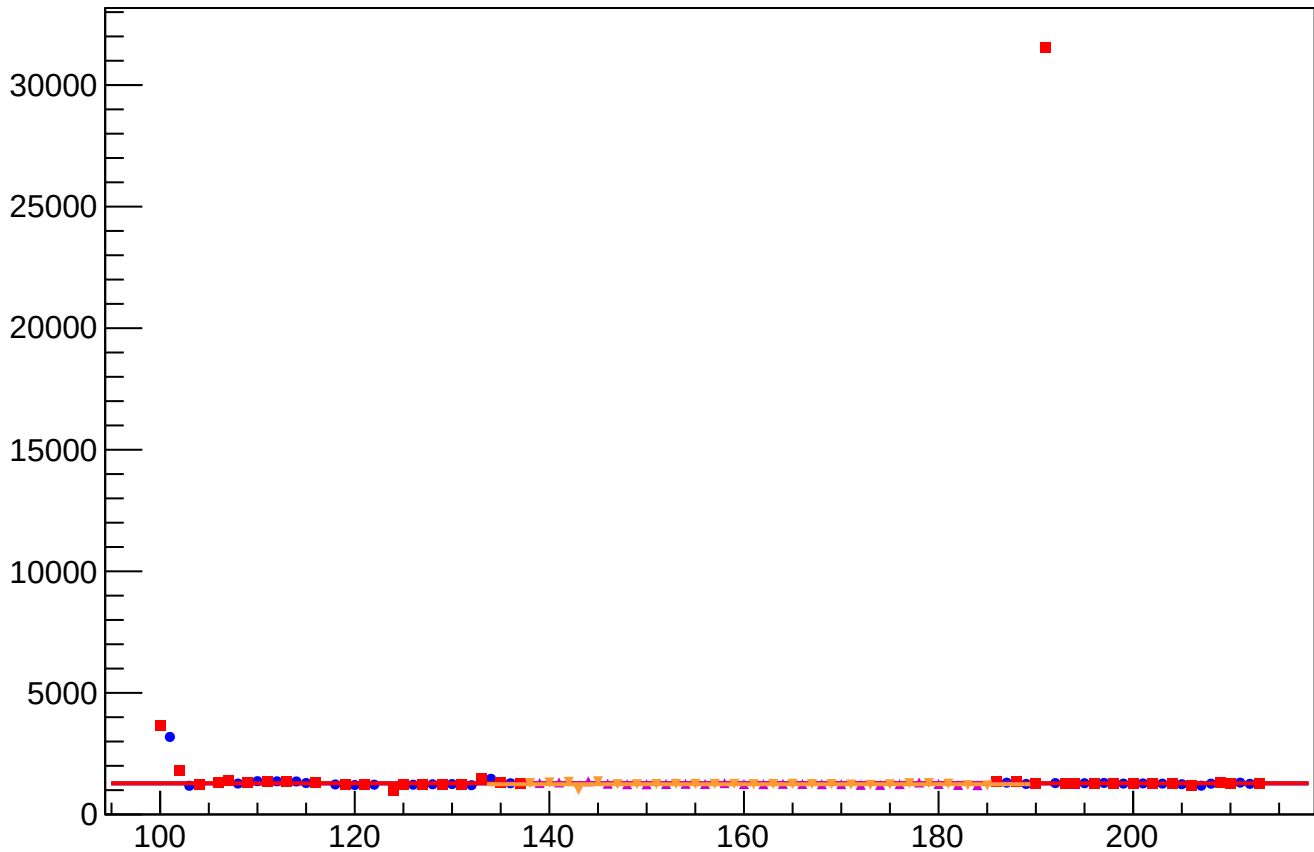
Left In: 242.004+/-294.339 χ^2/NDF : 30.7/22

+ sign -452.266+/-208.305 χ^2/NDF : 52.2/53

All: -169.625+/-147.788 χ^2/NDF : 118.7/110

- sign 116.841+/-209.709 χ^2/NDF : 62.9/56

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.165 $\pm$ 0.218 χ^2 /NDF: 526367.5/28

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130023.1/24

Right Out: 1282.184 $\pm$ 0.211 χ^2 /NDF: 388064.2/33

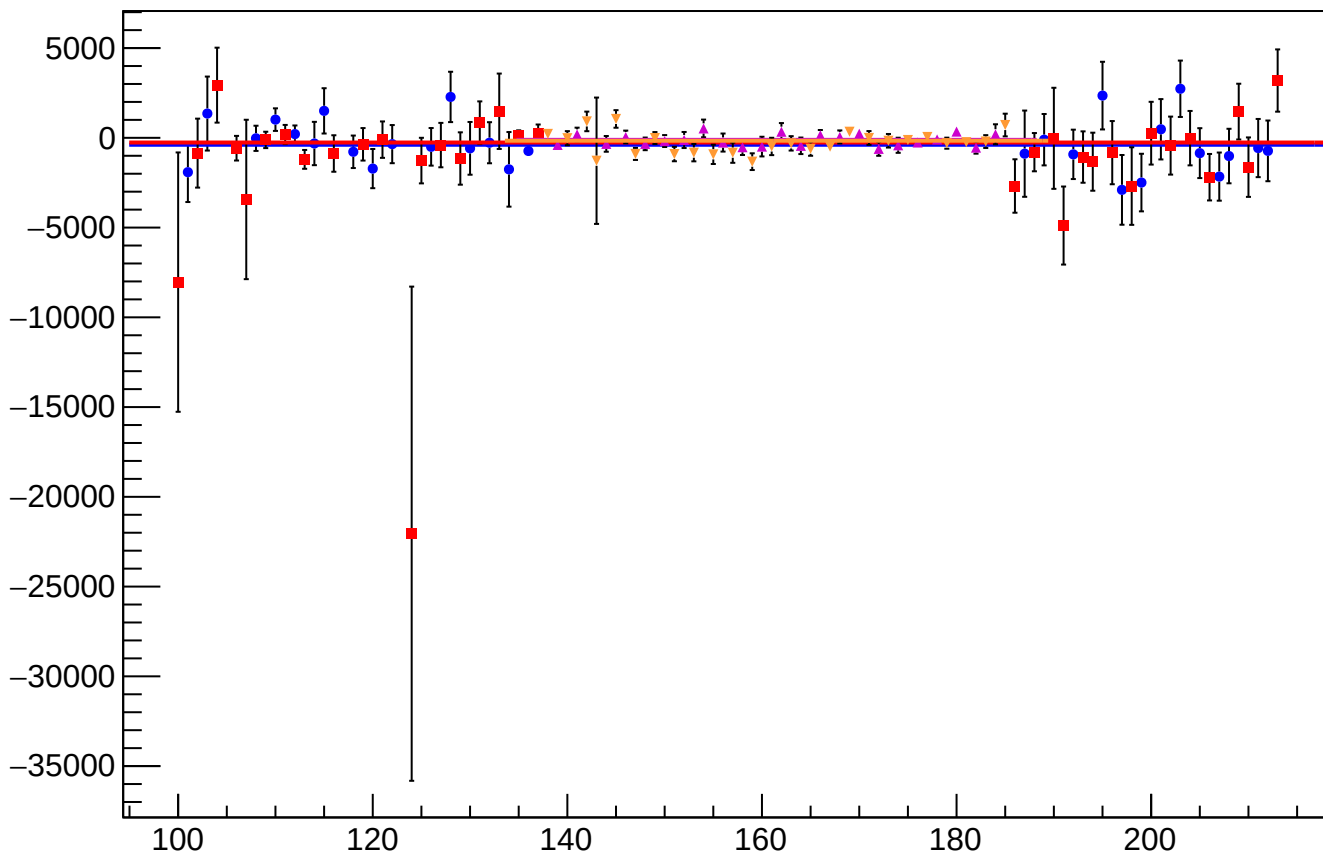
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.1/22

+ sign 1257.913 $\pm$ 0.147 χ^2 /NDF: 669324.0/53

All: 1264.398 $\pm$ 0.105 χ^2 /NDF: 1094770.4/11

- sign 1270.971 $\pm$ 0.148 χ^2 /NDF: 421543.2/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -386.016 ± 158.637 χ^2/NDF : 30.5/28

Left Out: -160.930 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -261.636 ± 156.804 χ^2/NDF : 34.0/33

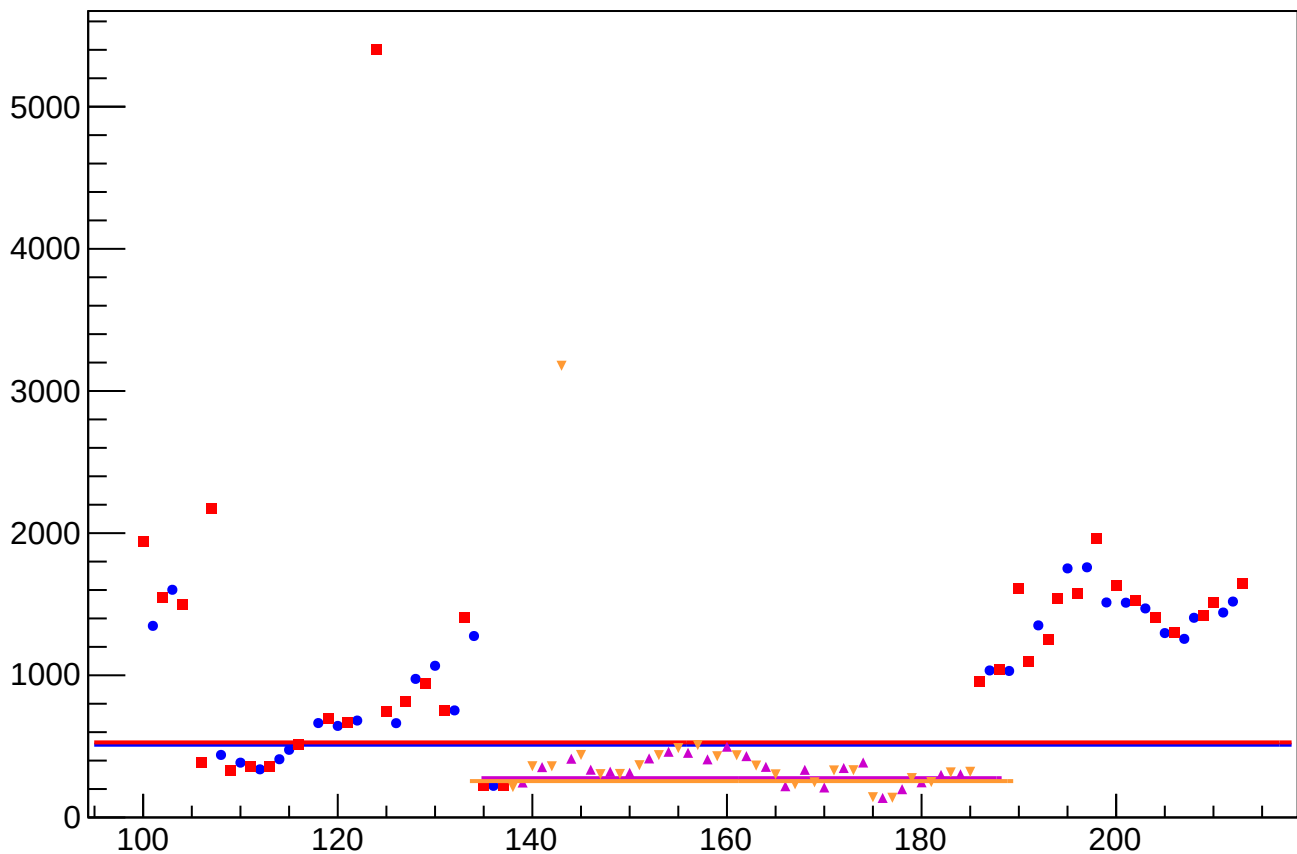
Left In: -113.722 ± 68.841 χ^2/NDF : 18.2/22

+ sign -192.549 ± 59.458 χ^2/NDF : 76.0/53

All: -166.689 ± 43.252 χ^2/NDF : 129.3/110

- sign -137.624 ± 63.033 χ^2/NDF : 52.9/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 511.725+/-0.112 χ^2/NDF : 13833658.3/28

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 527.966+/-0.111 χ^2/NDF : 15088720.3/33

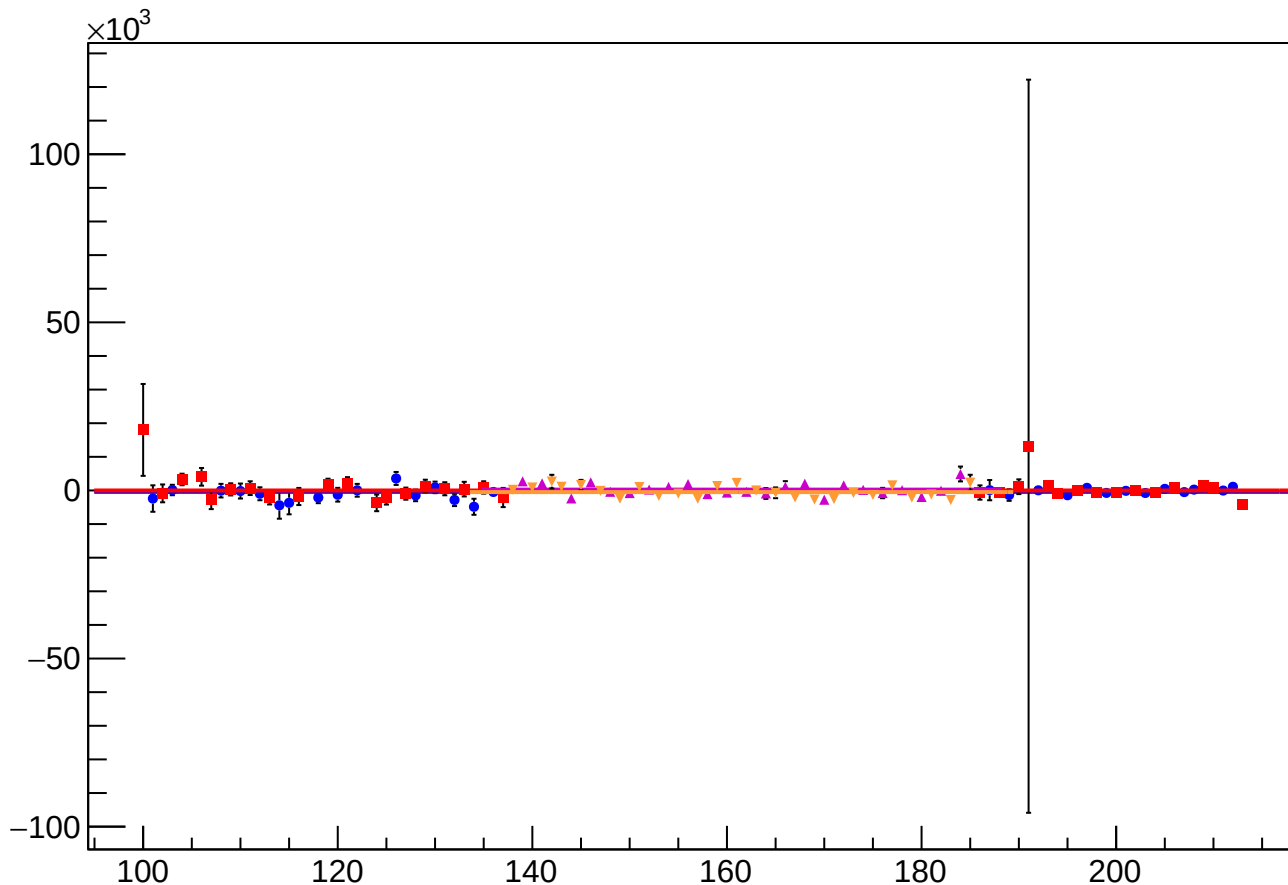
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 291.724+/-0.042 χ^2/NDF : 24682772.3/53

All: 303.609+/-0.031 χ^2/NDF : 48288026.5/11

- sign 316.967+/-0.045 χ^2/NDF : 23435531.7/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -403.387 $\pm$ 308.068 χ^2 /NDF: 17.9/28

Left Out: -493.435 $\pm$ 282.734 χ^2 /NDF: 34.2/24

Right Out: -12.195 $\pm$ 298.859 χ^2 /NDF: 31.8/33

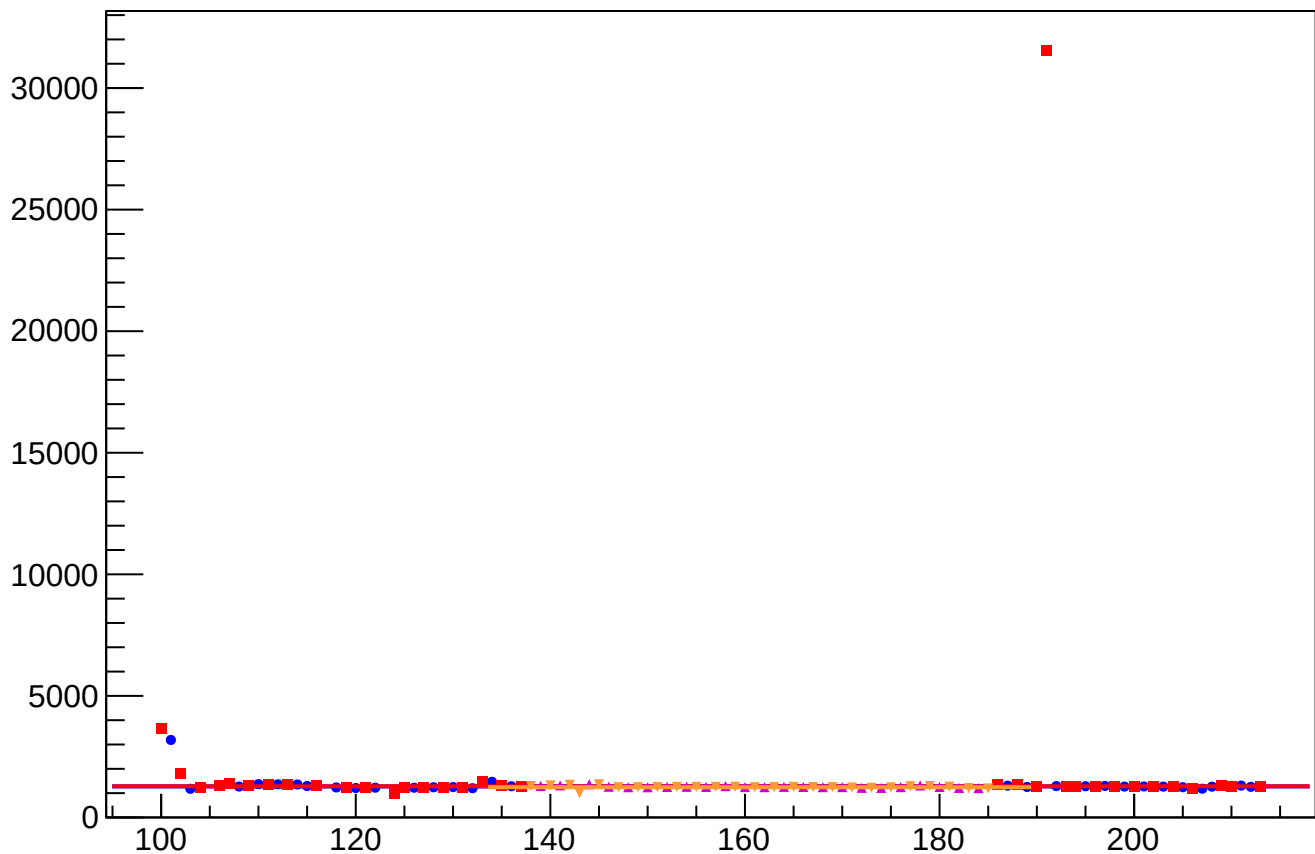
Left In: 242.004 $\pm$ 294.339 χ^2 /NDF: 30.7/22

+ sign -452.265 $\pm$ 208.305 χ^2 /NDF: 52.2/53

All: -169.624 $\pm$ 147.788 χ^2 /NDF: 118.7/110

- sign 116.841 $\pm$ 209.709 χ^2 /NDF: 62.9/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.165 $\pm$ 0.218 χ^2 /NDF: 526367.5/28

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130022.2/24

Right Out: 1282.184 $\pm$ 0.211 χ^2 /NDF: 388064.5/33

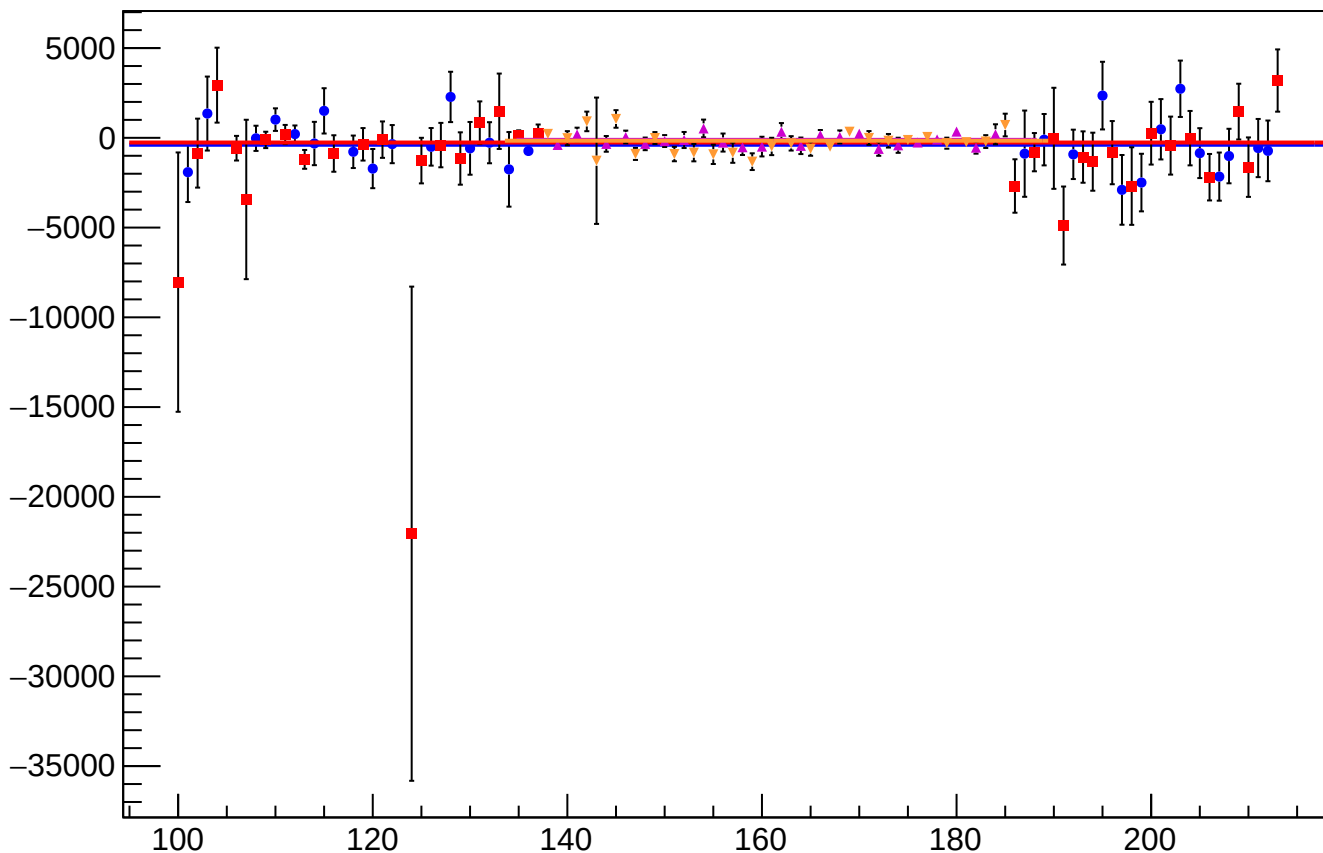
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF:27932.2/22

+ sign 1257.913 $\pm$ 0.147 χ^2 /NDF: 669323.1/53

All: 1264.398 $\pm$ 0.105 χ^2 /NDF: 1094769.9/11

- sign 1270.971 $\pm$ 0.148 χ^2 /NDF: 421543.6/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -386.018 ± 158.640 χ^2/NDF : 30.5/28

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -261.643 ± 156.806 χ^2/NDF : 34.0/33

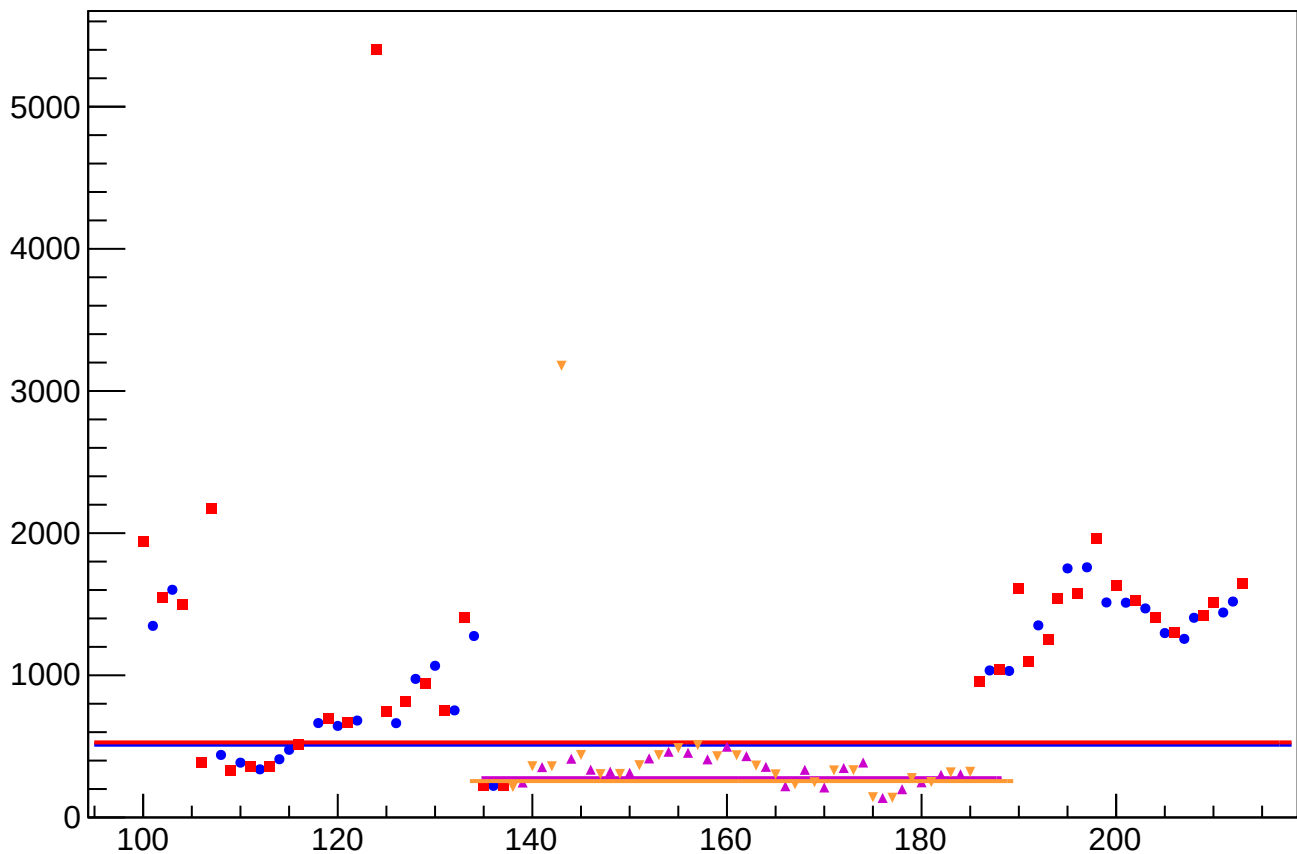
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -192.552 ± 59.458 χ^2/NDF : 76.0/53

All: -166.690 ± 43.252 χ^2/NDF : 129.3/110

- sign -137.623 ± 63.034 χ^2/NDF : 52.9/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 511.738+/-0.112 χ^2/NDF : 13833253.6/28

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 527.976+/-0.111 χ^2/NDF : 15088395.3/33

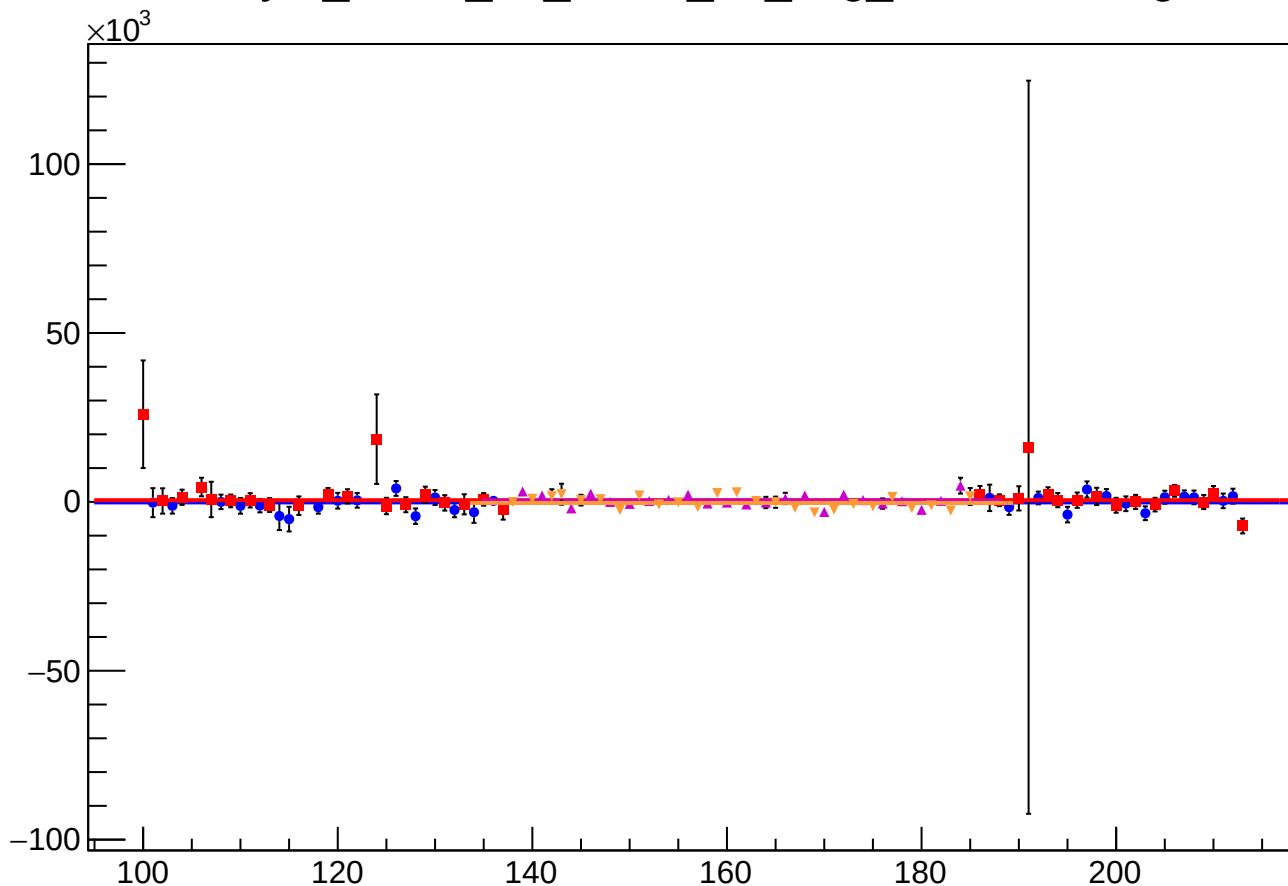
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 291.727+/-0.042 χ^2/NDF : 24682544.7/53

All: 303.611+/-0.031 χ^2/NDF : 48287661.7/11

- sign 316.968+/-0.045 χ^2/NDF : 23435407.8/56

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -156.911 ± 409.831 χ^2/NDF : 25.4/28

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 497.038 ± 403.674 χ^2/NDF : 29.2/33

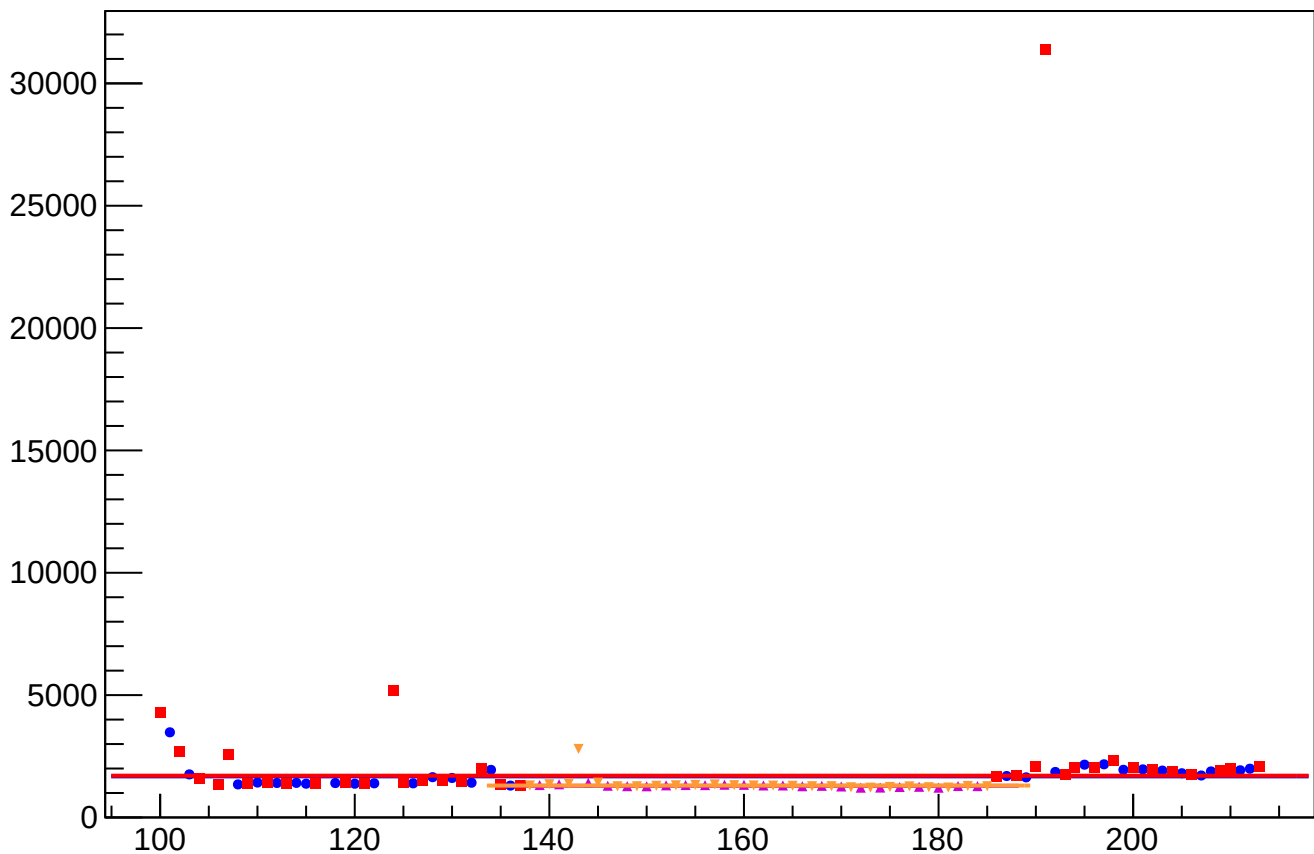
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -263.360 ± 241.163 χ^2/NDF : 57.0/53

All: 70.901 ± 170.741 χ^2/NDF : 119.8/110

- sign 406.839 ± 241.767 χ^2/NDF : 58.9/56

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1679.481+/-0.290 χ^2/NDF : 1201115.5/28

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1706.944+/-0.285 χ^2/NDF : 1505353.2/33

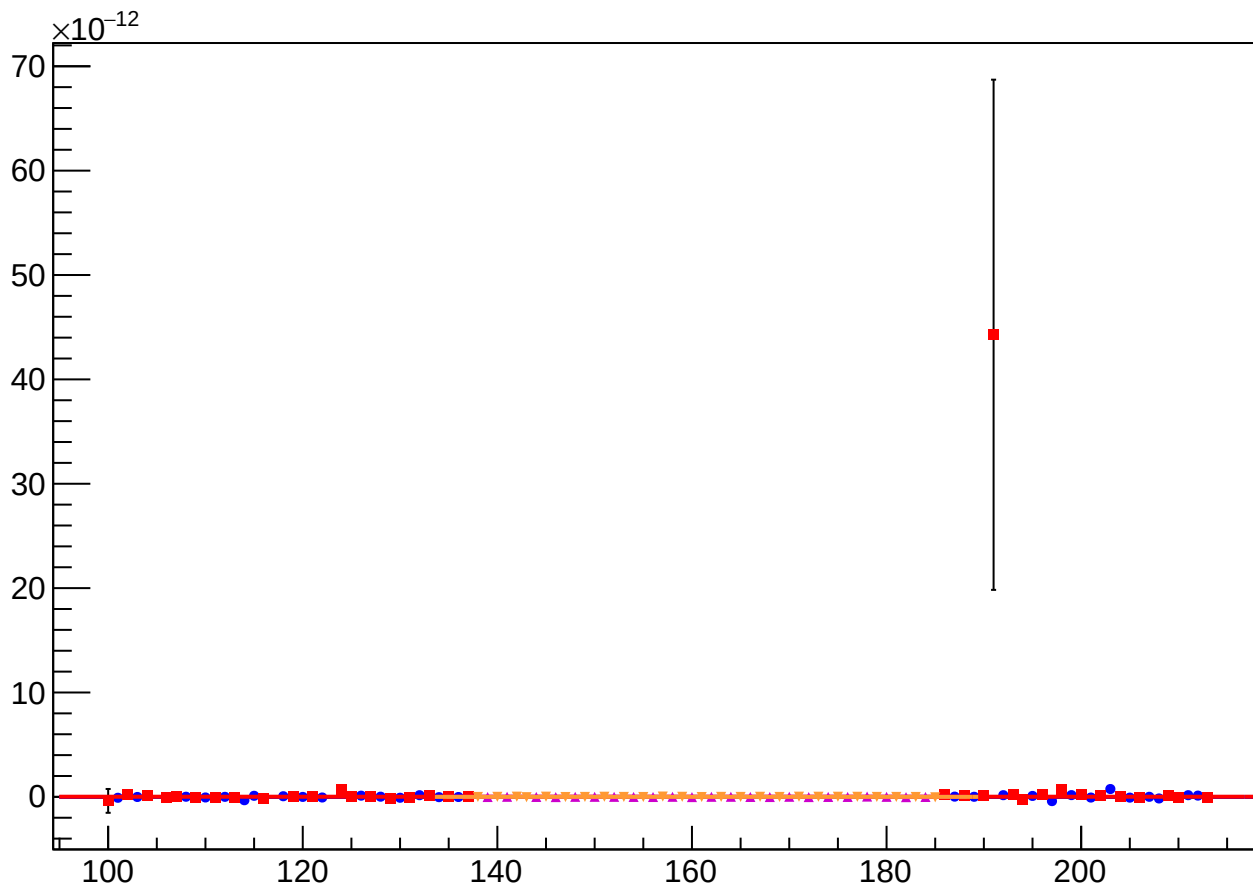
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1434.119+/-0.171 χ^2/NDF : 2817291.4/53

All: 1437.511+/-0.121 χ^2/NDF : 5726198.2/11

- sign 1440.920+/-0.171 χ^2/NDF : 2908113.5/56

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 31.4/28

Left Out: 0.000+/-0.000 χ^2 /NDF:24.3/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 38.6/33

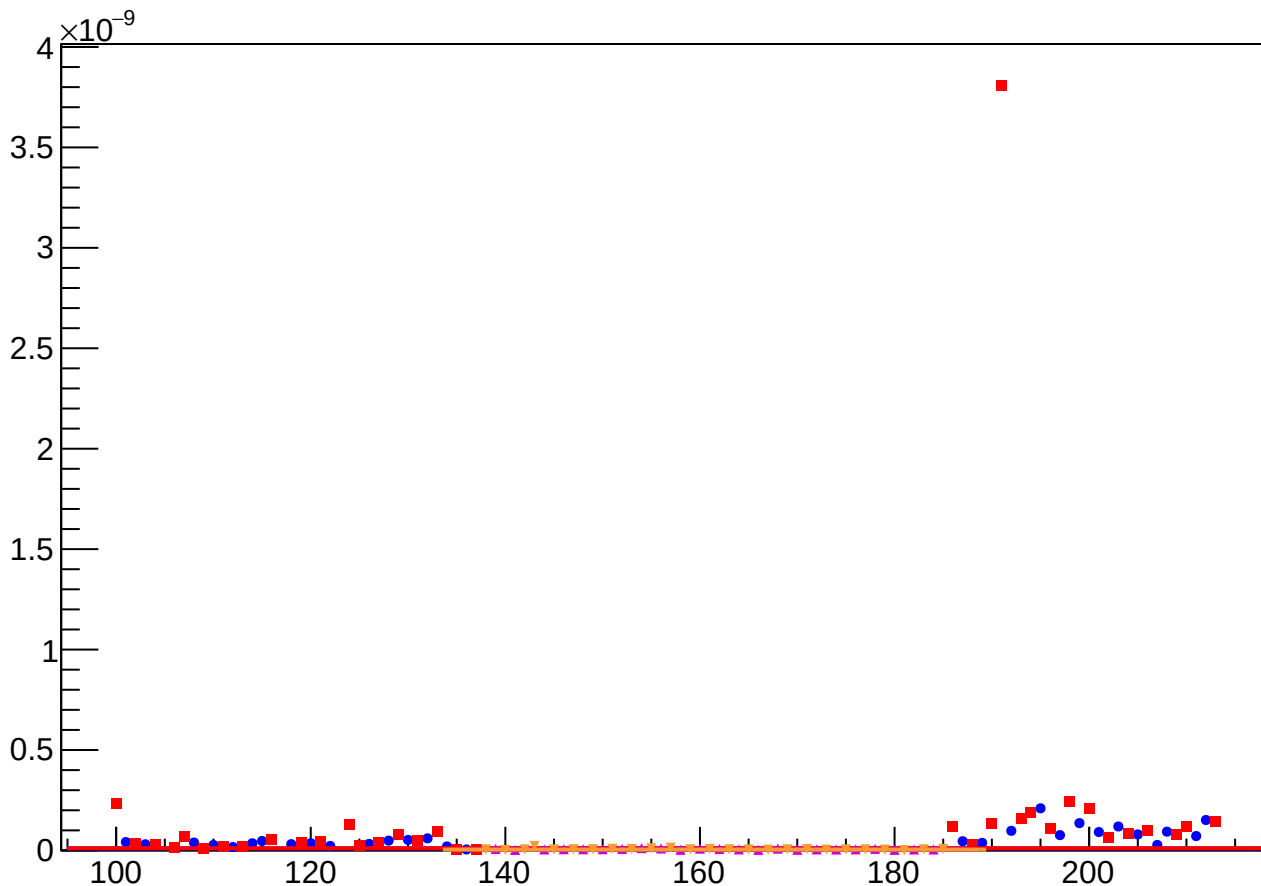
Left In: 0.000+/-0.000 χ^2 /NDF:29.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 58.2/53

All: 0.000+/-0.000 χ^2 /NDF: 129.1/110

- sign 0.000+/-0.000 χ^2 /NDF: 70.5/56

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8650559.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11325002.2/33

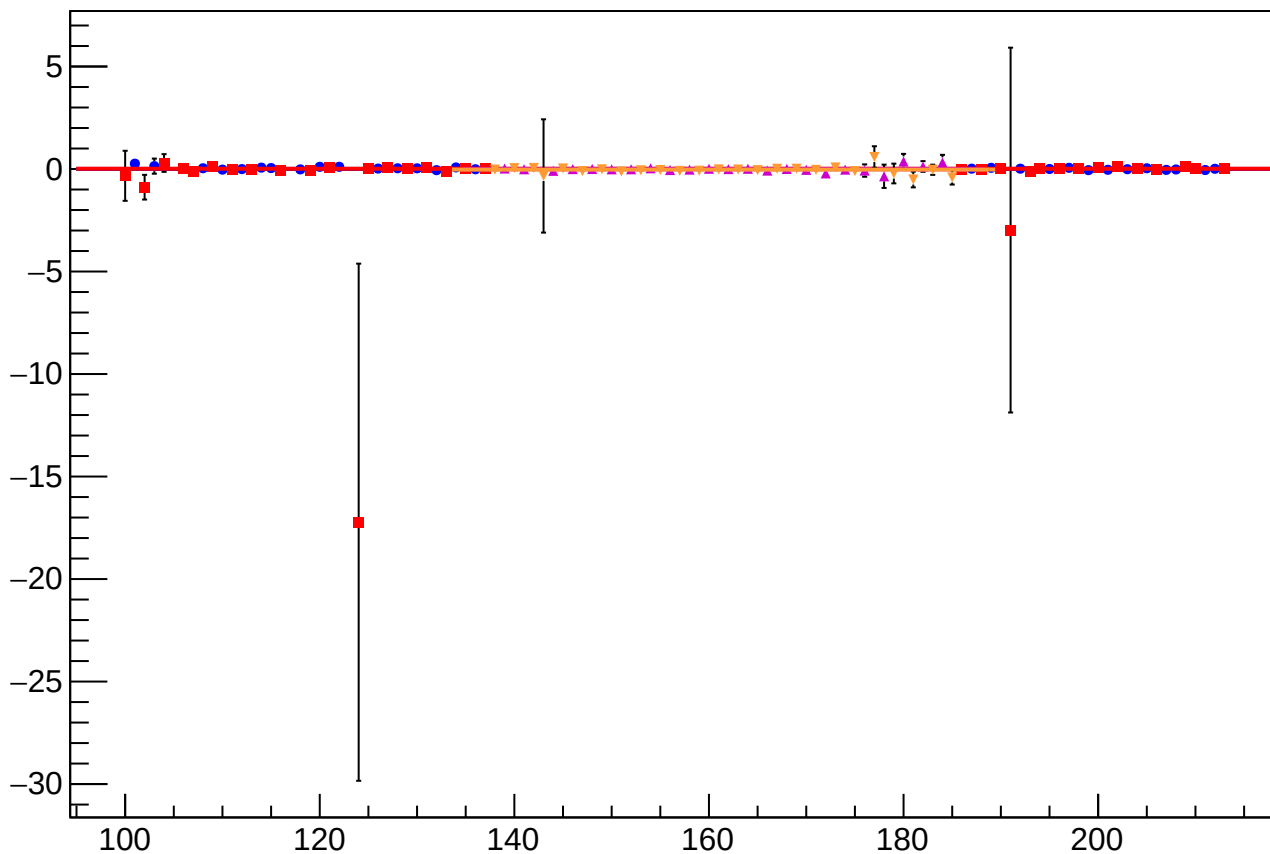
Left In: 0.000+/-0.000 χ^2/NDF : 1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 12523822.6/53

All: 0.000+/-0.000 χ^2/NDF : 26926679.7/110

- sign 0.000+/-0.000 χ^2/NDF : 14376715.8/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2/NDF : 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2/NDF : 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2/NDF : 26.8/33

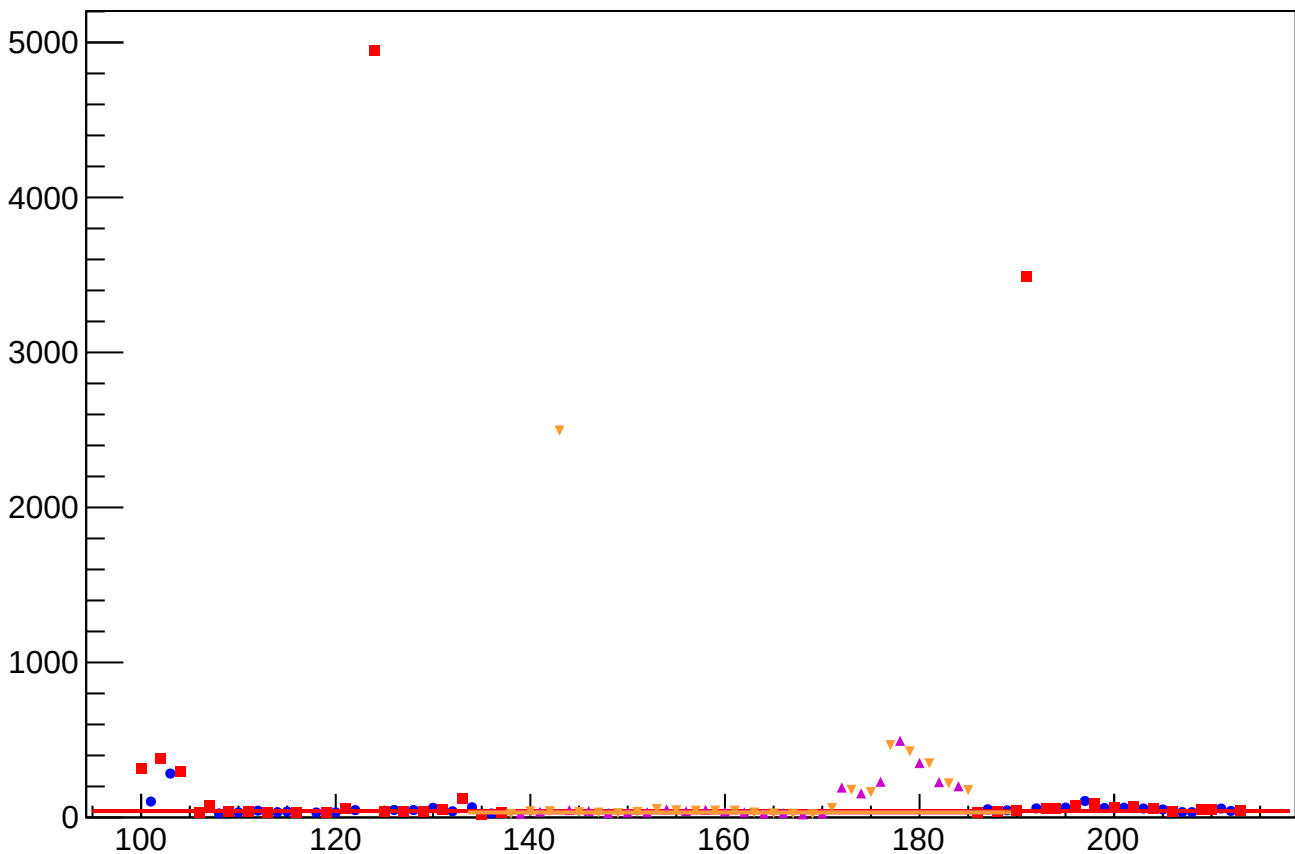
Left In: -0.011 $\pm$ 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2/NDF : 49.7/53

All: -0.008 $\pm$ 0.005 χ^2/NDF : 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2/NDF : 42.7/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250880.0/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523442.3/33

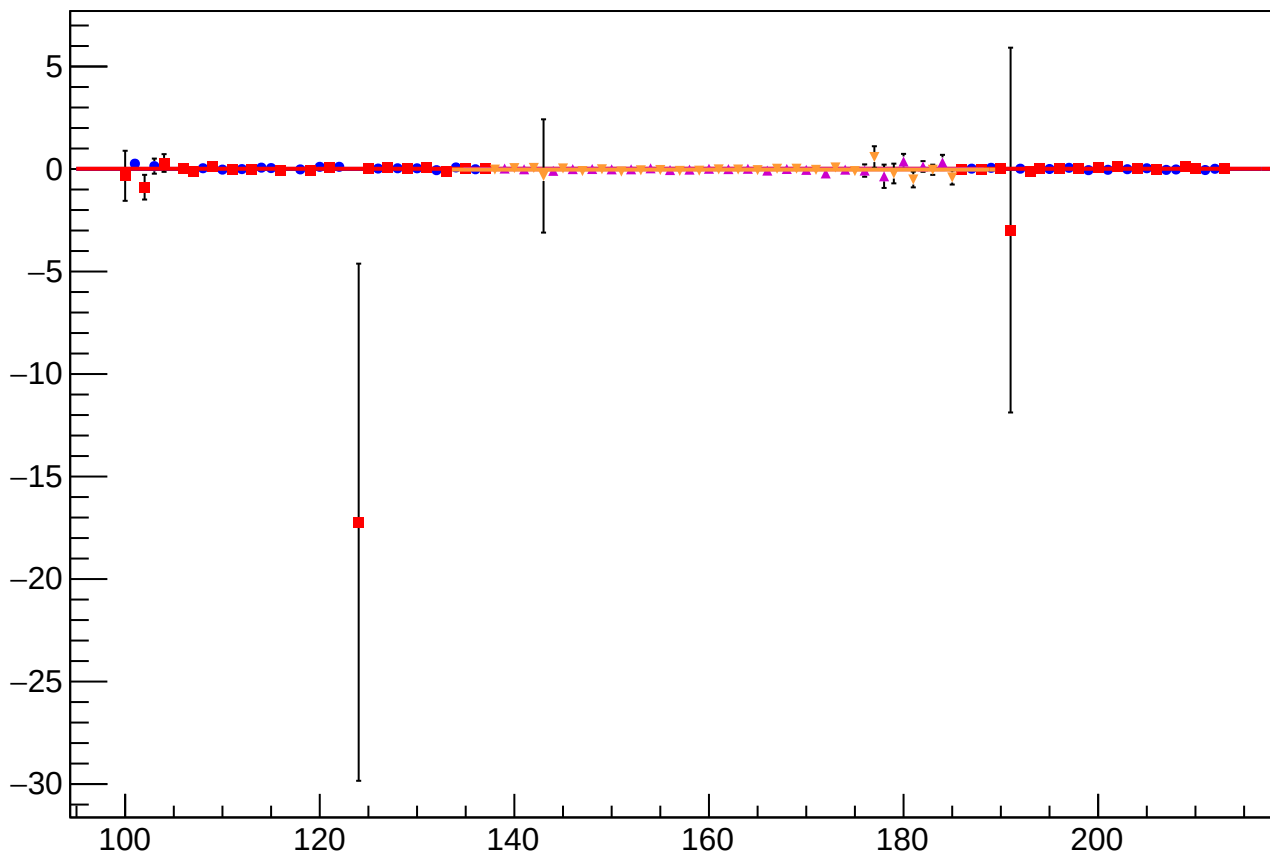
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861213.4/53

All: 36.321+/-0.004 χ^2/NDF : 31037678.7/110

- sign 36.380+/-0.005 χ^2/NDF : 15176196.0/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.011 χ^2/NDF : 16.9/28

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.013 ± 0.011 χ^2/NDF : 26.8/33

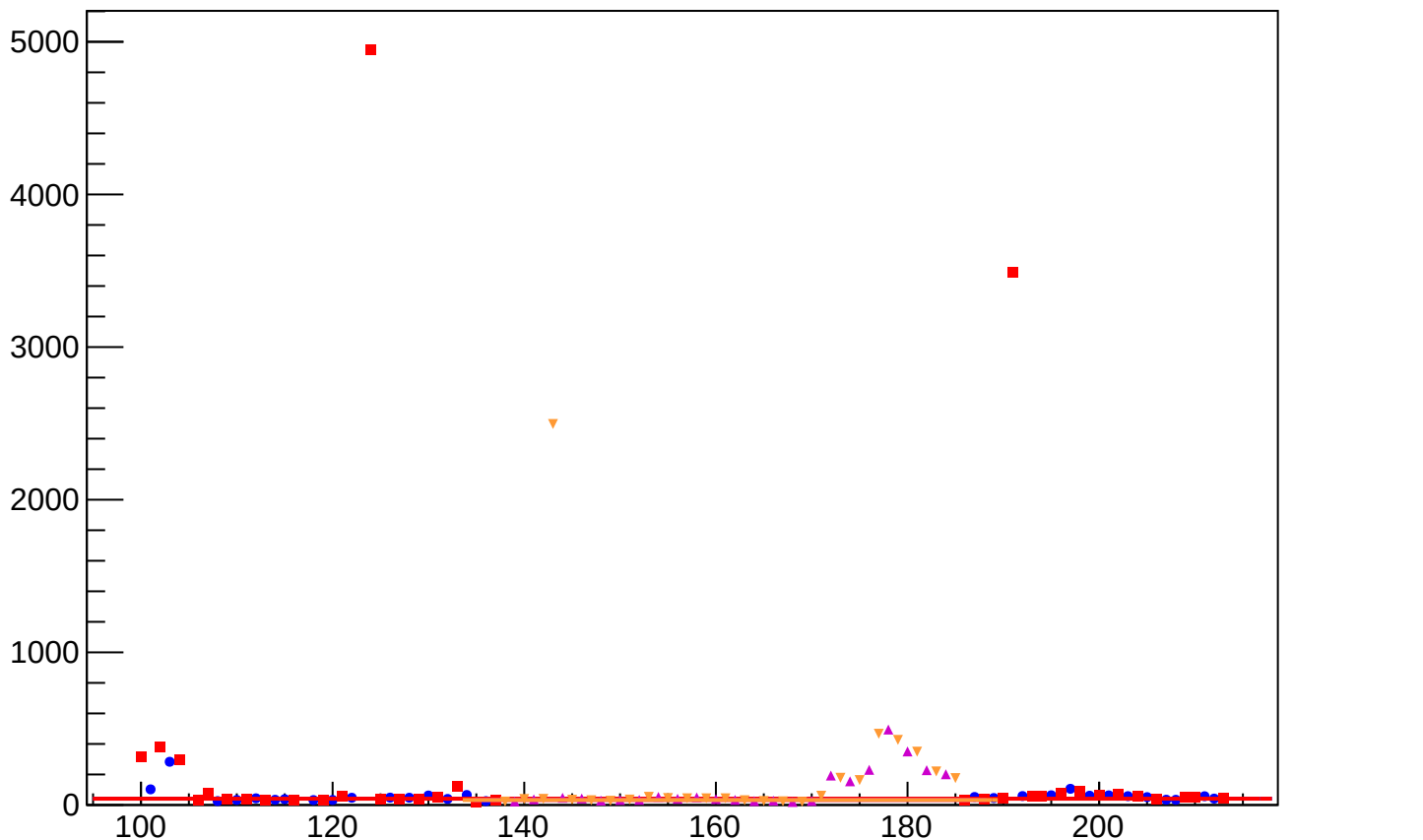
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.7/53

All: -0.008 ± 0.005 χ^2/NDF : 94.3/110

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.565 $\pm$ 0.008 χ^2 /NDF: 4250880.0/28

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10871758.1/24

Right Out: 41.281 $\pm$ 0.008 χ^2 /NDF: 5523442.3/33

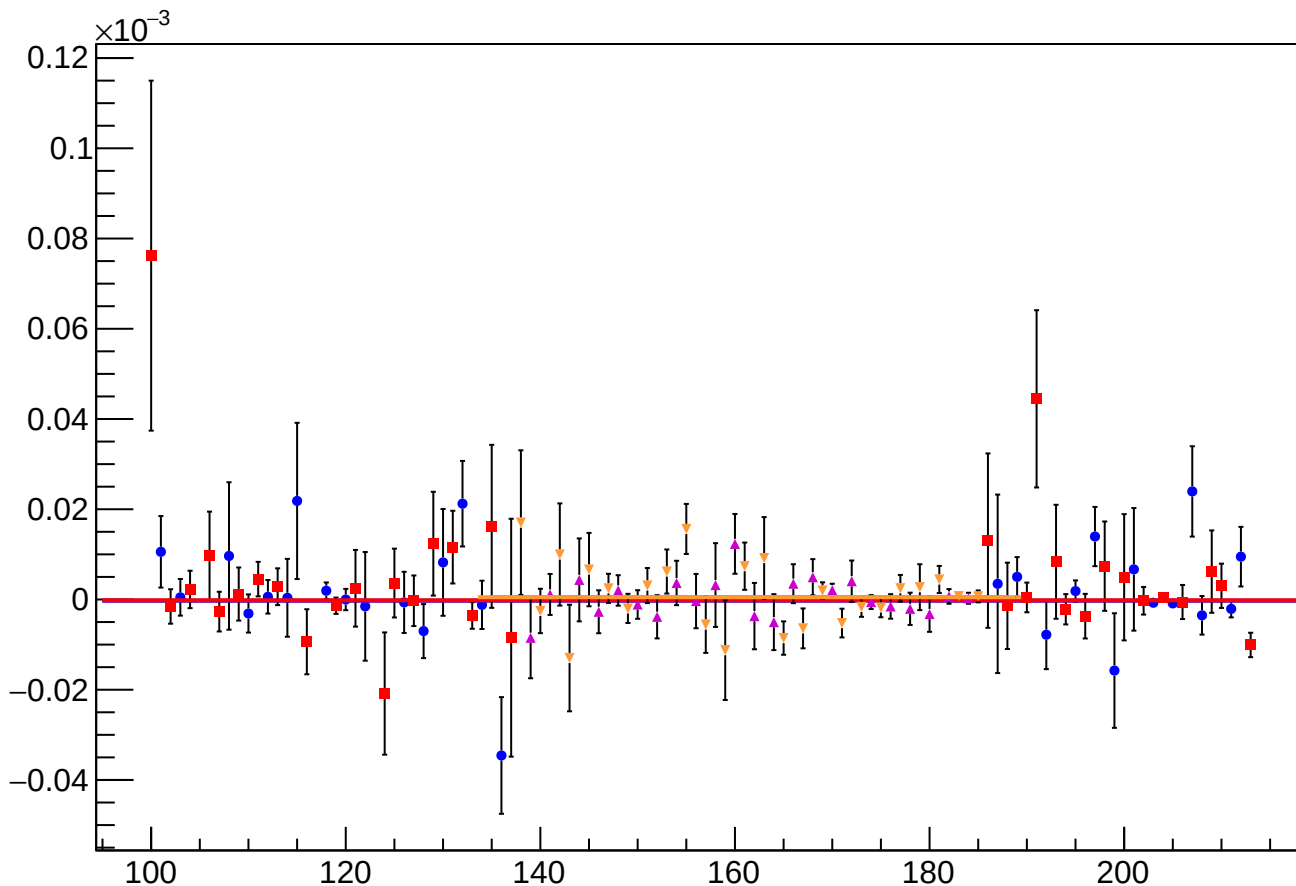
Left In: 32.738 $\pm$ 0.007 χ^2 /NDF: 8963240.8/22

+ sign 36.261 $\pm$ 0.005 χ^2 /NDF: 15861213.4/53

All: 36.321 $\pm$ 0.004 χ^2 /NDF: 31037678.7/110

- sign 36.380 $\pm$ 0.005 χ^2 /NDF: 15176196.0/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 39.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 35.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 40.9/33

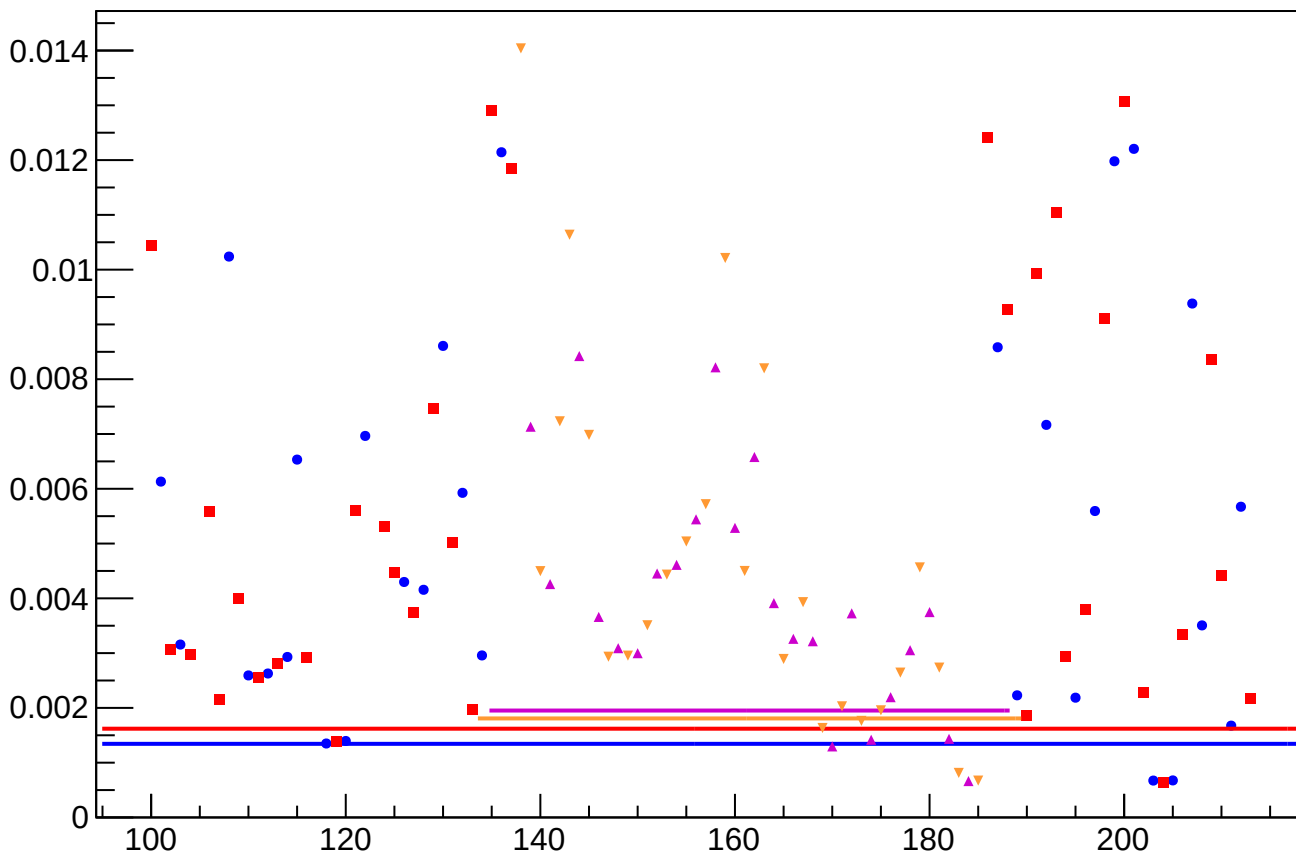
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 76.7/53

All: 0.000 ± 0.000 χ^2/NDF : 131.9/110

- sign 0.000 ± 0.000 χ^2/NDF : 55.2/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 16812753.8/28

Left Out: 0.002+/-0.000 χ^2/NDF : 14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 17282679.3/33

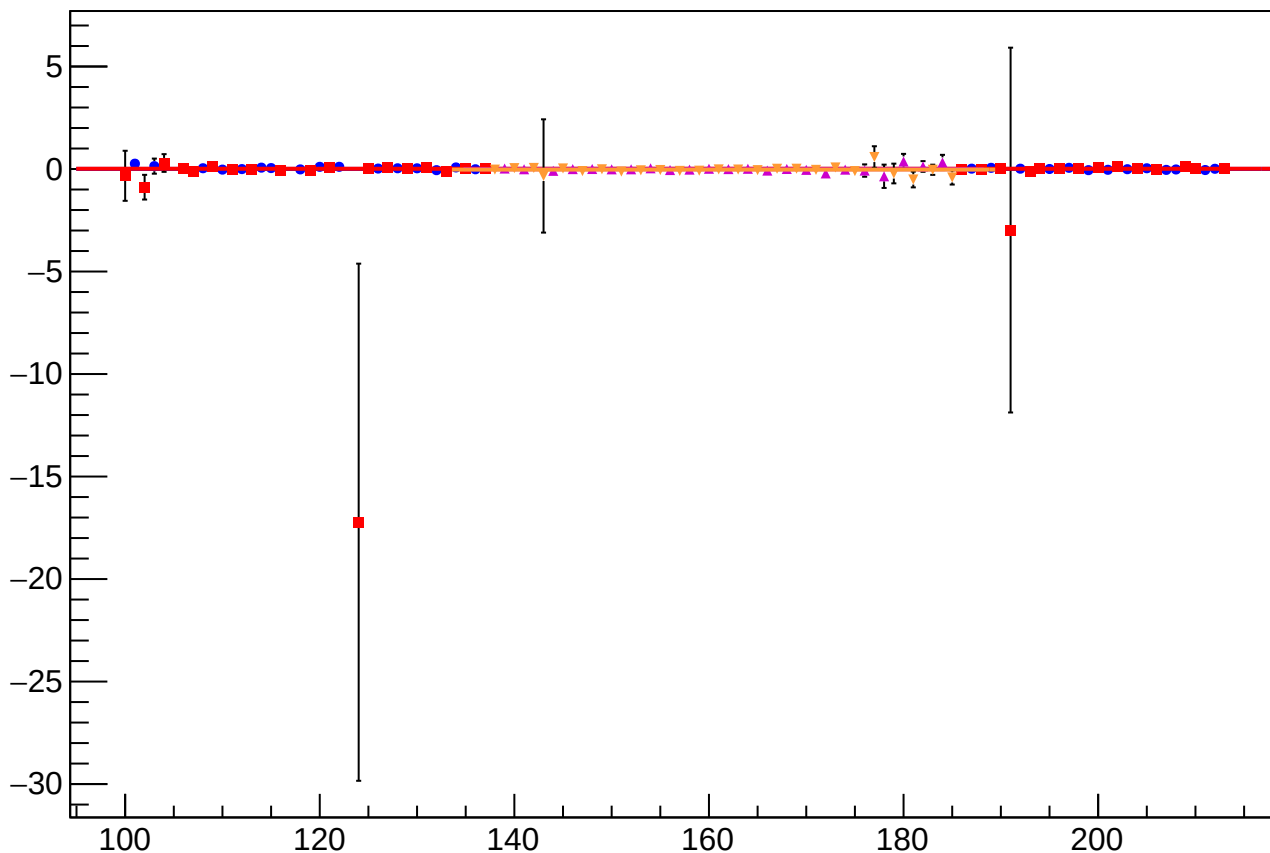
Left In: 0.002+/-0.000 χ^2/NDF : 11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 32546514.4/53

All: 0.002+/-0.000 χ^2/NDF : 61983275.6/110

- sign 0.002+/-0.000 χ^2/NDF : 29102366.0/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.011 χ^2/NDF : 16.9/28

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.013 ± 0.011 χ^2/NDF : 26.8/33

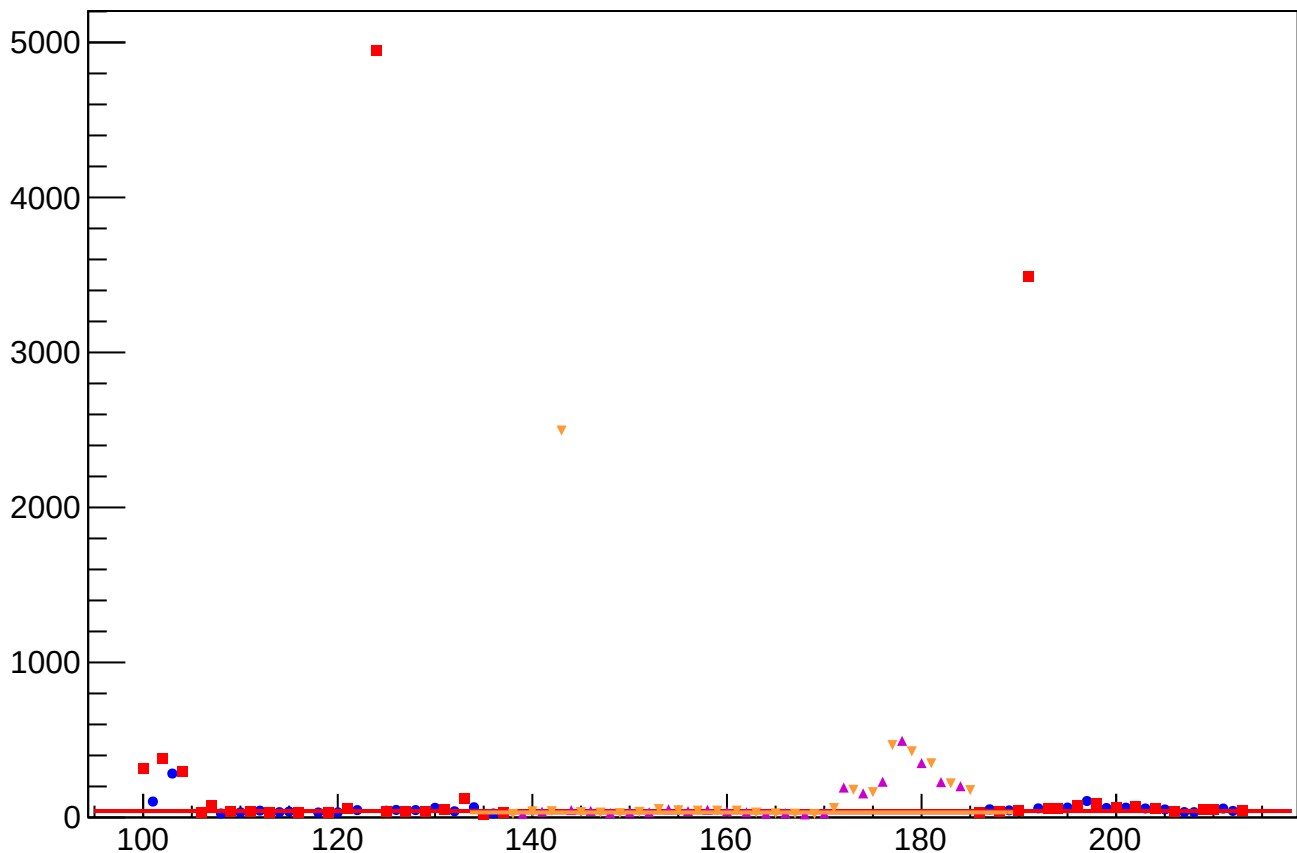
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.007 χ^2/NDF : 49.7/53

All: -0.008 ± 0.005 χ^2/NDF : 94.3/110

- sign -0.001 ± 0.007 χ^2/NDF : 42.7/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.565+/-0.008 χ^2/NDF : 4250536.7/28

Left Out: 32.551+/-0.007 χ^2/NDF : 10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF : 5523237.2/33

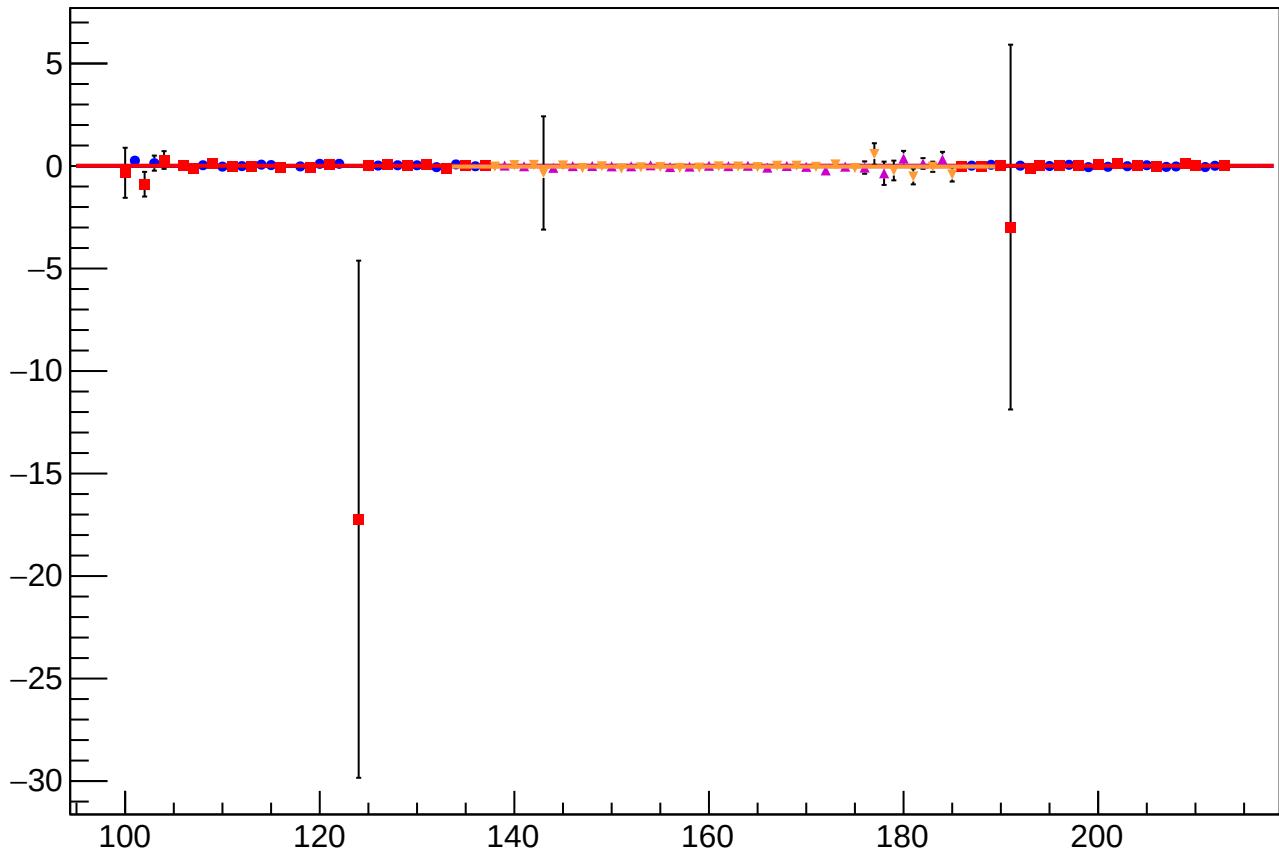
Left In: 32.737+/-0.007 χ^2/NDF : 8963873.9/22

+ sign 36.261+/-0.005 χ^2/NDF : 15861199.1/53

All: 36.321+/-0.004 χ^2/NDF : 31038323.2/110

- sign 36.379+/-0.005 χ^2/NDF : 15176858.1/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.011 χ^2 /NDF: 16.9/28

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.013 $\pm$ 0.011 χ^2 /NDF: 26.8/33

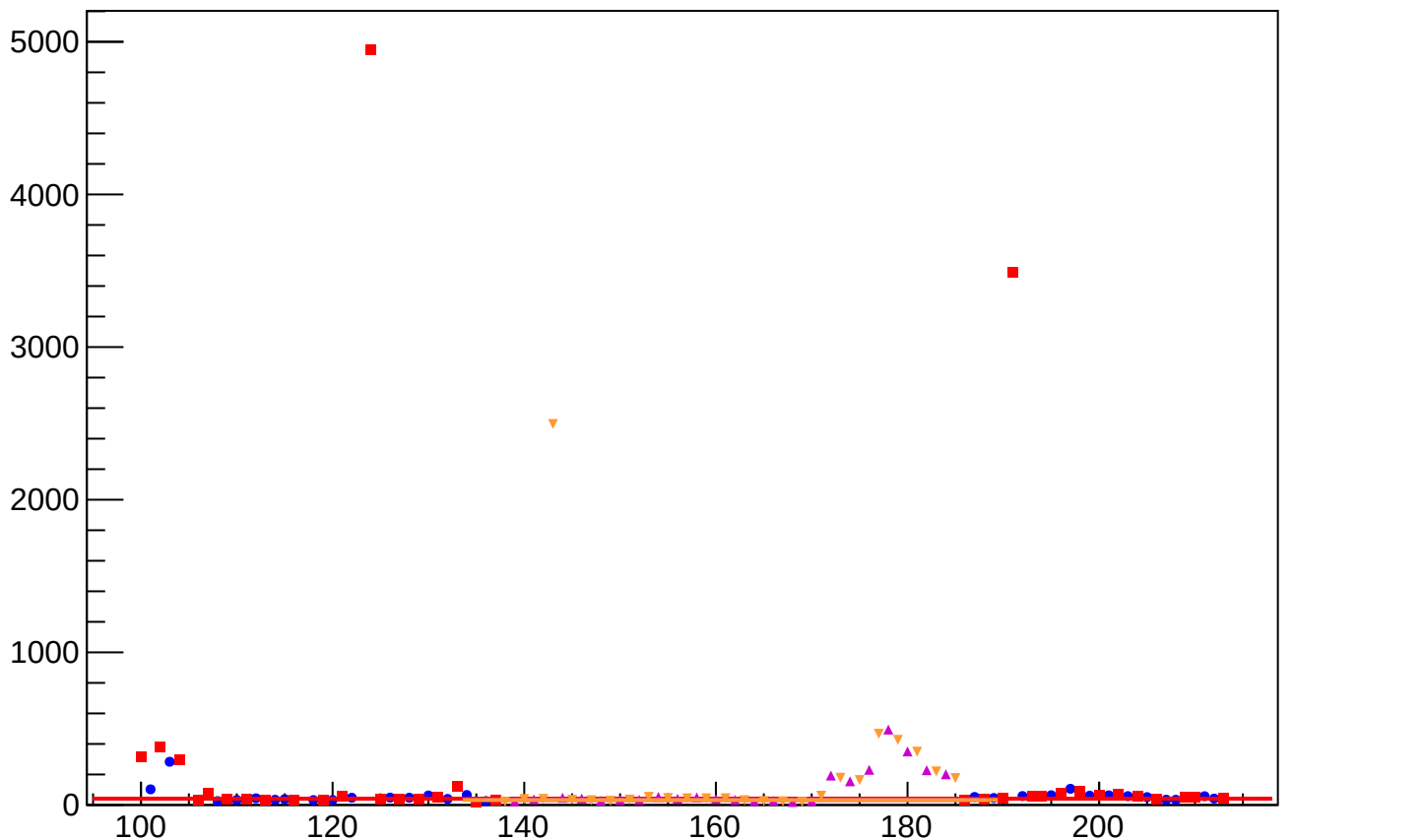
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.007 χ^2 /NDF: 49.7/53

All: -0.008 $\pm$ 0.005 χ^2 /NDF: 94.3/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 42.7/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.565 $\pm$ 0.008 χ^2 /NDF: 4250536.7/28

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 41.281 $\pm$ 0.008 χ^2 /NDF: 5523237.2/33

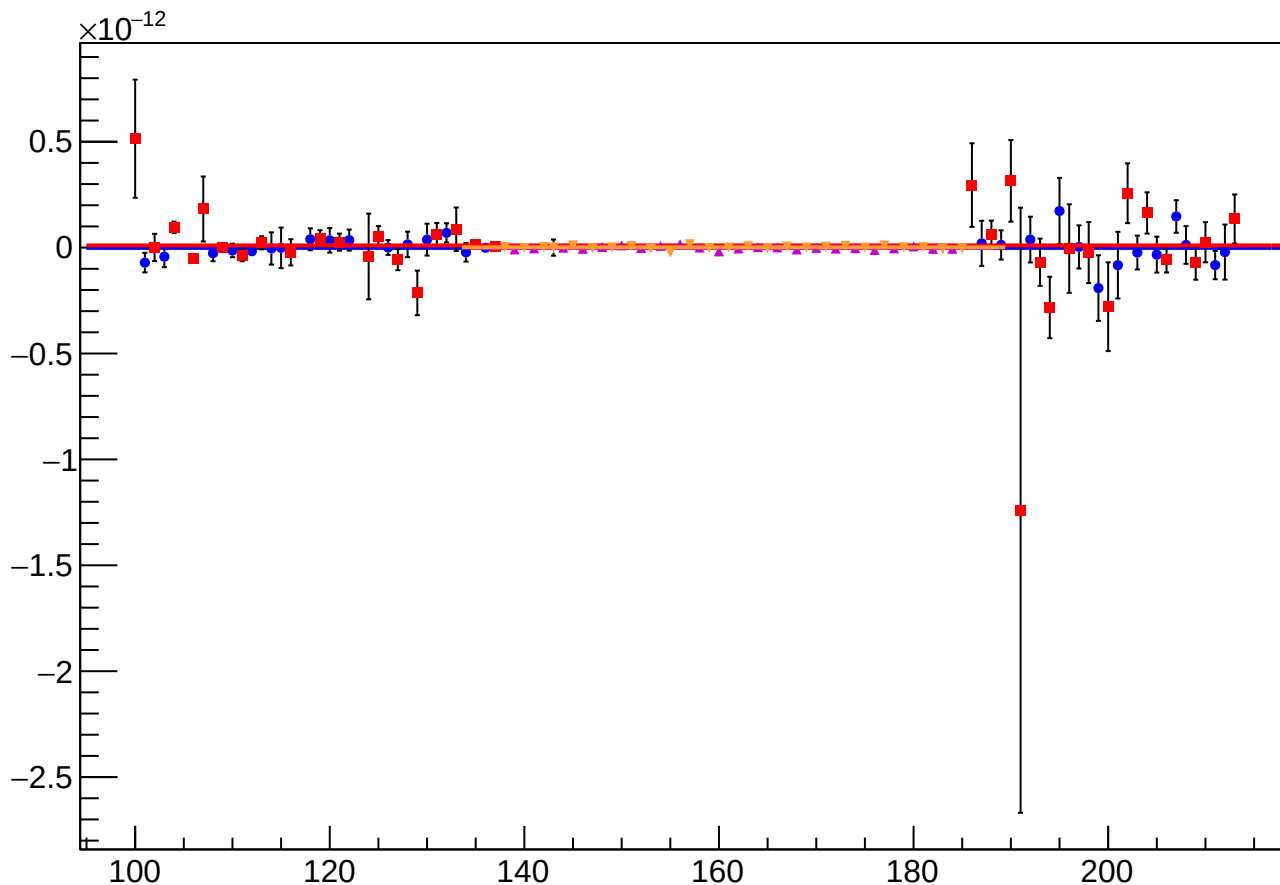
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 36.261 $\pm$ 0.005 χ^2 /NDF: 15861199.1/53

All: 36.321 $\pm$ 0.004 χ^2 /NDF: 31038323.2/110

- sign 36.379 $\pm$ 0.005 χ^2 /NDF: 15176858.1/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 17.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 18.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 61.5/33

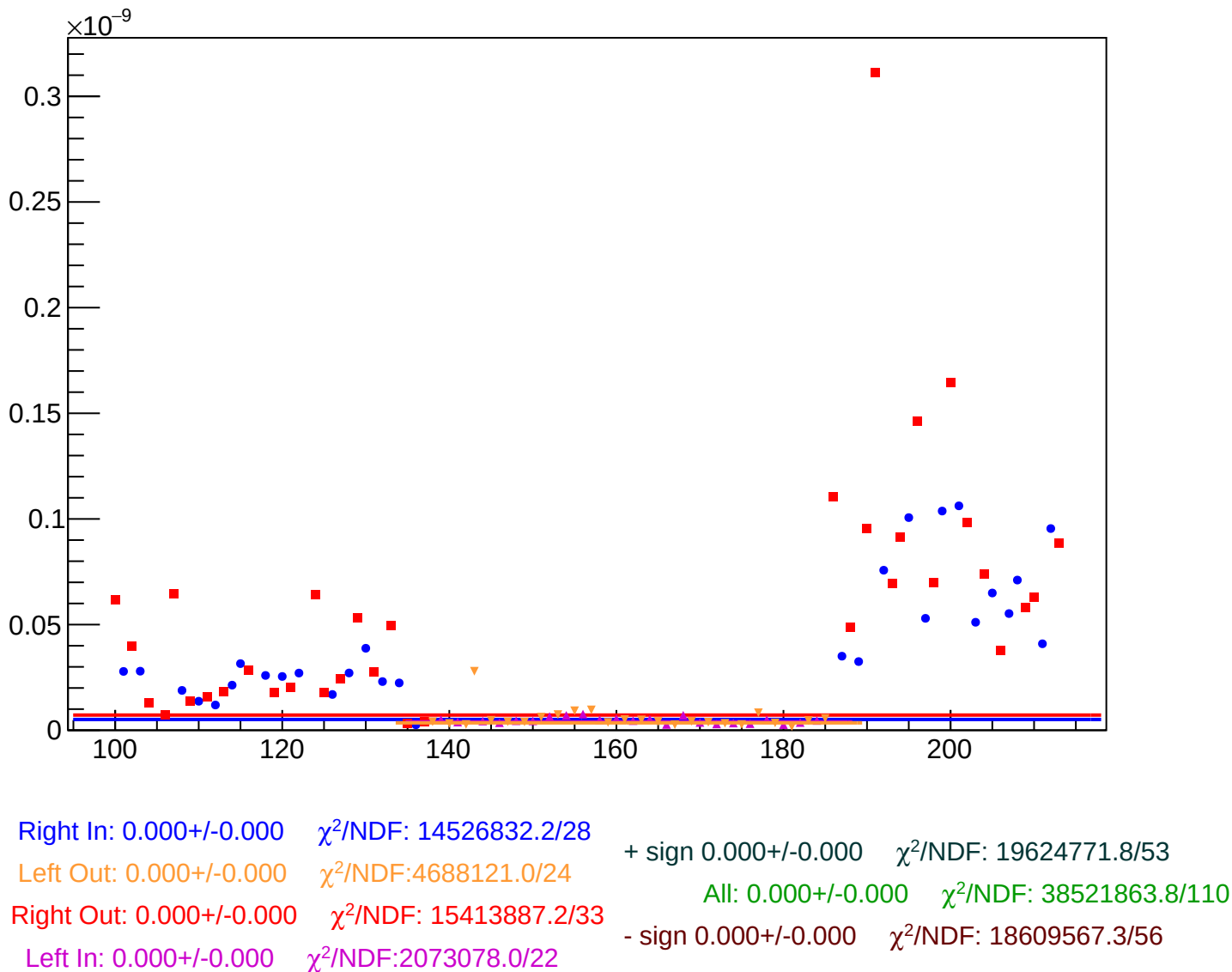
Left In: -0.000+/-0.000 χ^2/NDF : 28.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 36.0/53

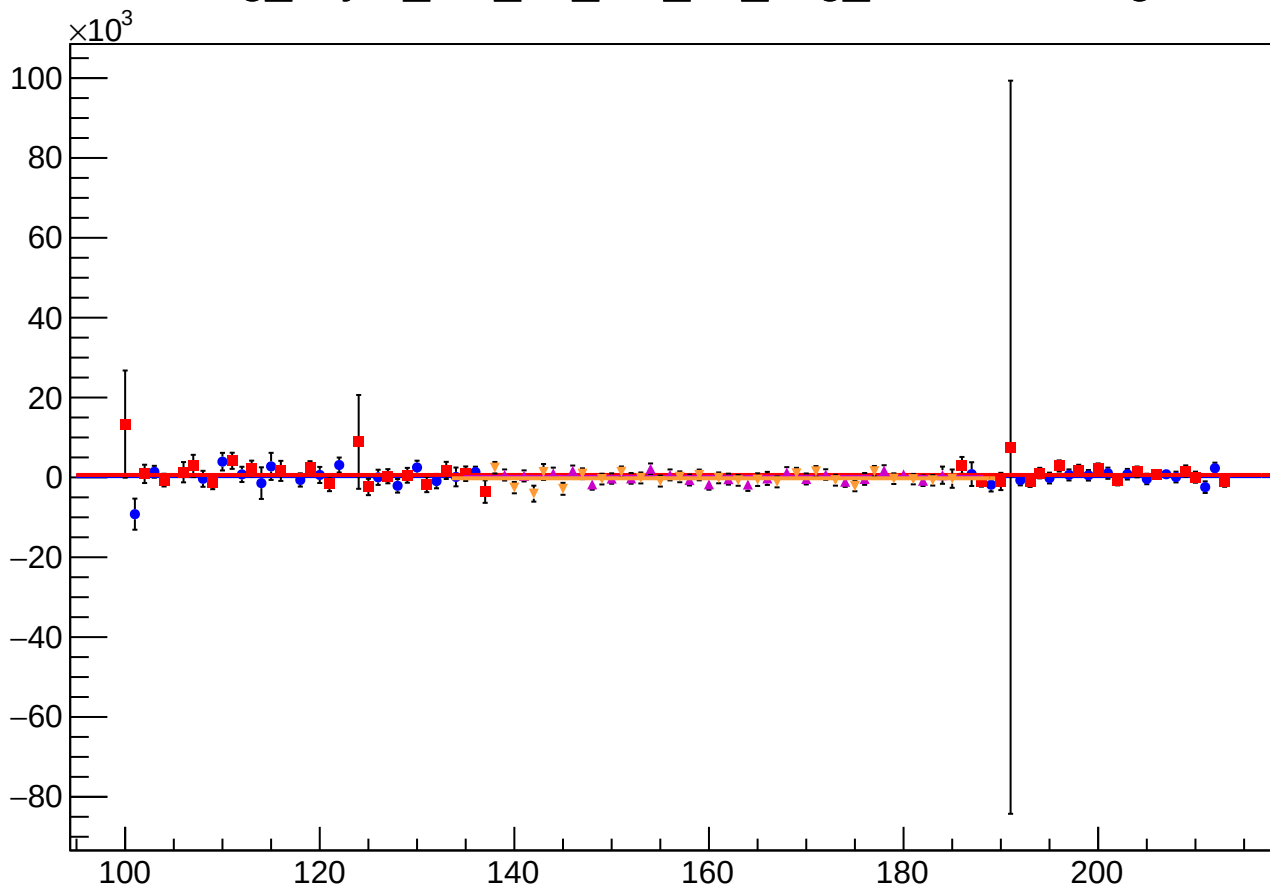
All: 0.000+/-0.000 χ^2/NDF : 134.7/110

- sign -0.000+/-0.000 χ^2/NDF : 97.5/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 317.126+/-303.954 χ^2/NDF : 26.4/28

Left Out: -220.721+/-283.055 χ^2/NDF :23.9/24

Right Out: 610.508+/-296.068 χ^2/NDF : 29.5/33

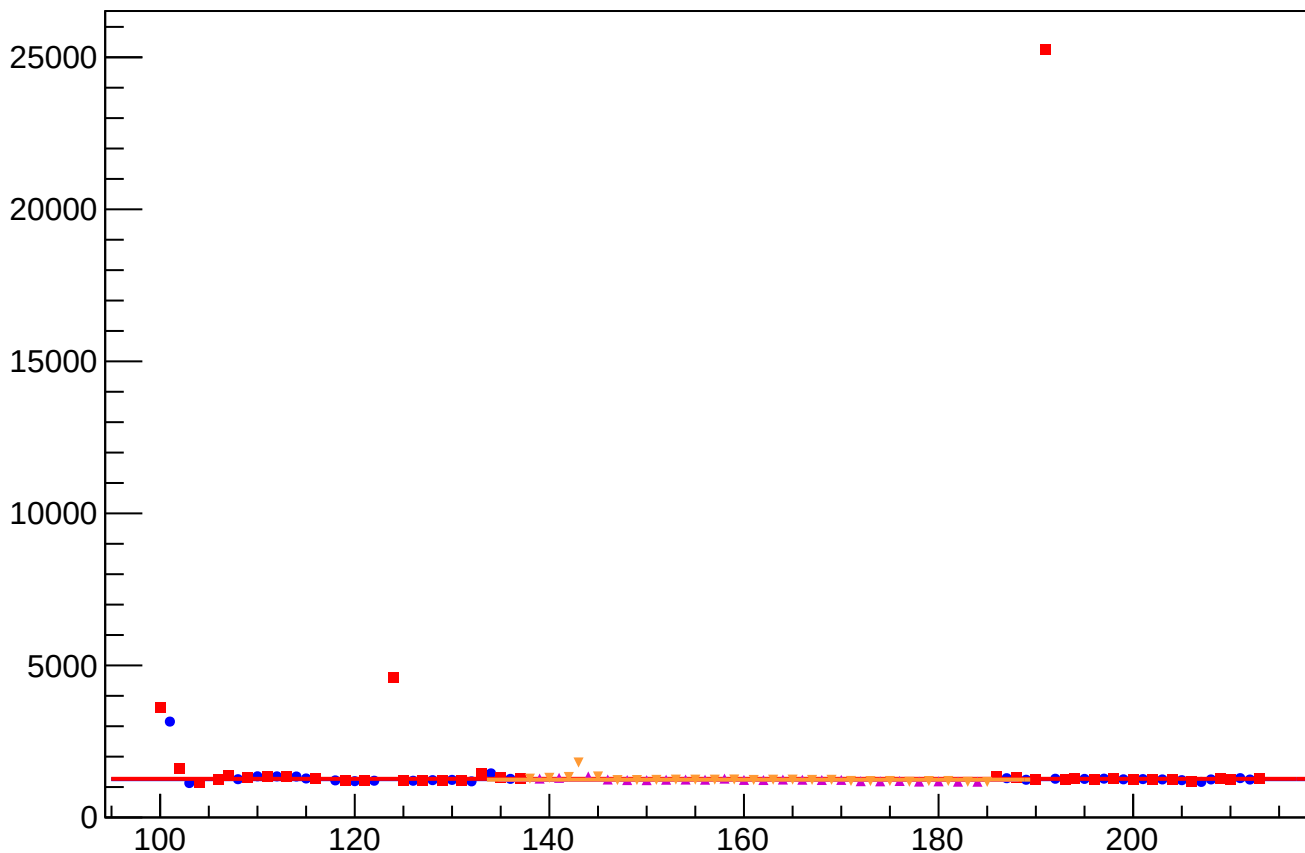
Left In: 92.402+/-288.217 χ^2/NDF :14.7/22

+ sign 29.077+/-207.145 χ^2/NDF : 52.0/53

All: 187.262+/-146.252 χ^2/NDF : 98.9/110

- sign 344.495+/-206.520 χ^2/NDF : 45.8/56

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535192.0/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1270.368 $\pm$ 0.209 χ^2 /NDF: 486683.8/33

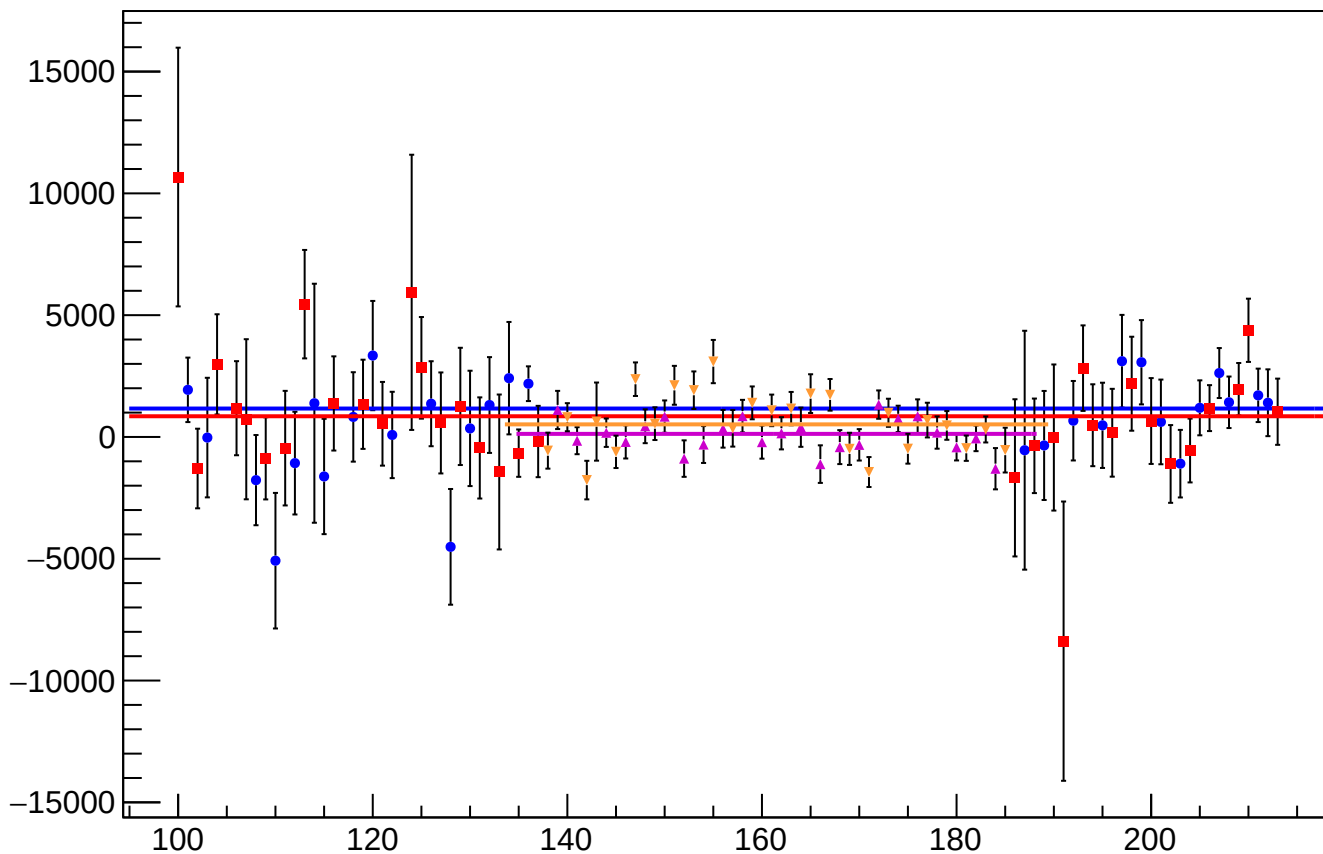
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.8/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741529.6/53

All: 1250.958 $\pm$ 0.103 χ^2 /NDF: 1283236.3/11

- sign 1251.568 $\pm$ 0.146 χ^2 /NDF: 541671.6/56

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 1166.738 $\pm$ 289.728 χ^2 /NDF: 28.4/28

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 849.942 $\pm$ 296.847 χ^2 /NDF: 34.6/33

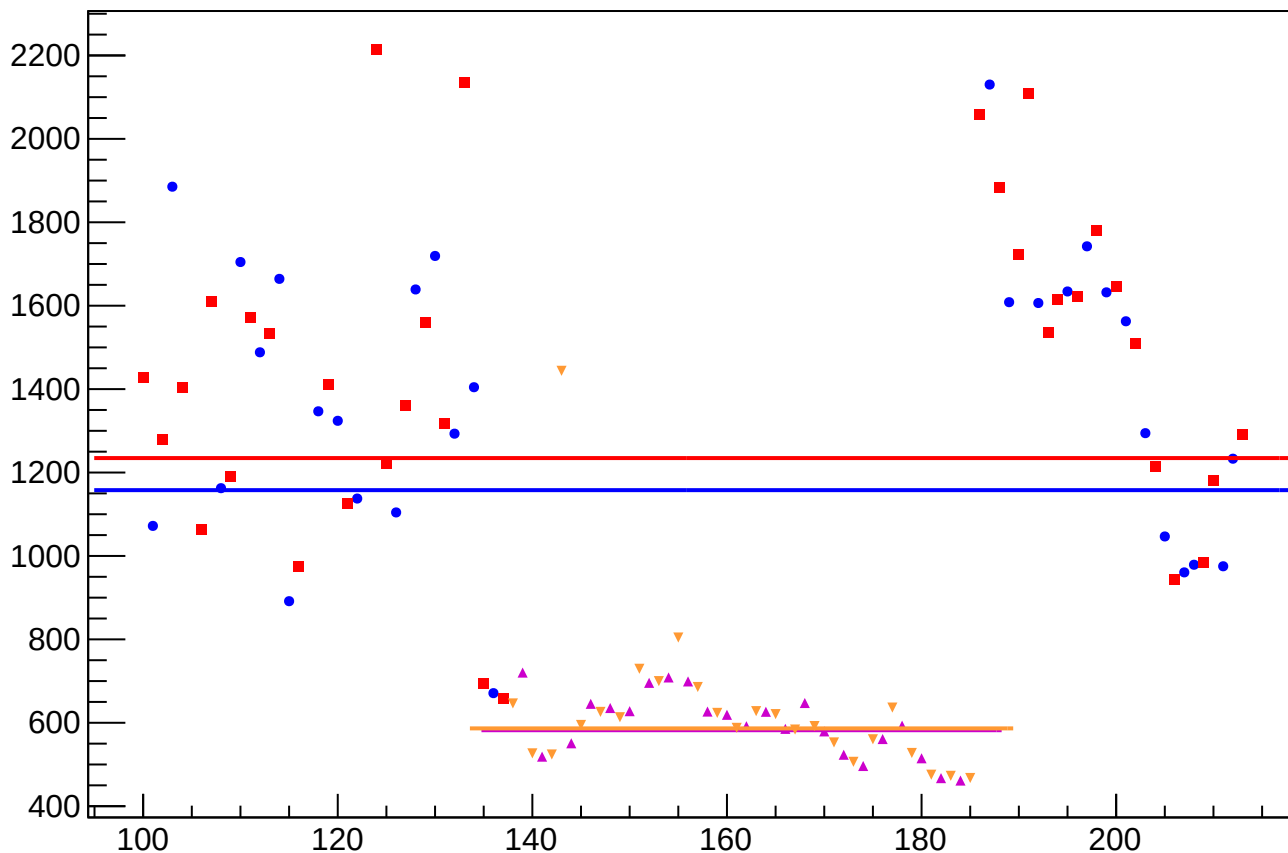
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 633.786 $\pm$ 122.923 χ^2 /NDF: 99.5/53

All: 446.451 $\pm$ 87.503 χ^2 /NDF: 165.2/110

- sign 253.998 $\pm$ 124.591 χ^2 /NDF: 61.0/56

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1157.761+/-0.205 χ^2/NDF : 2688906.9/28

Left Out: 586.557+/-0.096 χ^2/NDF : 1202915.7/24

Right Out: 1234.671+/-0.210 χ^2/NDF : 2737754.5/33

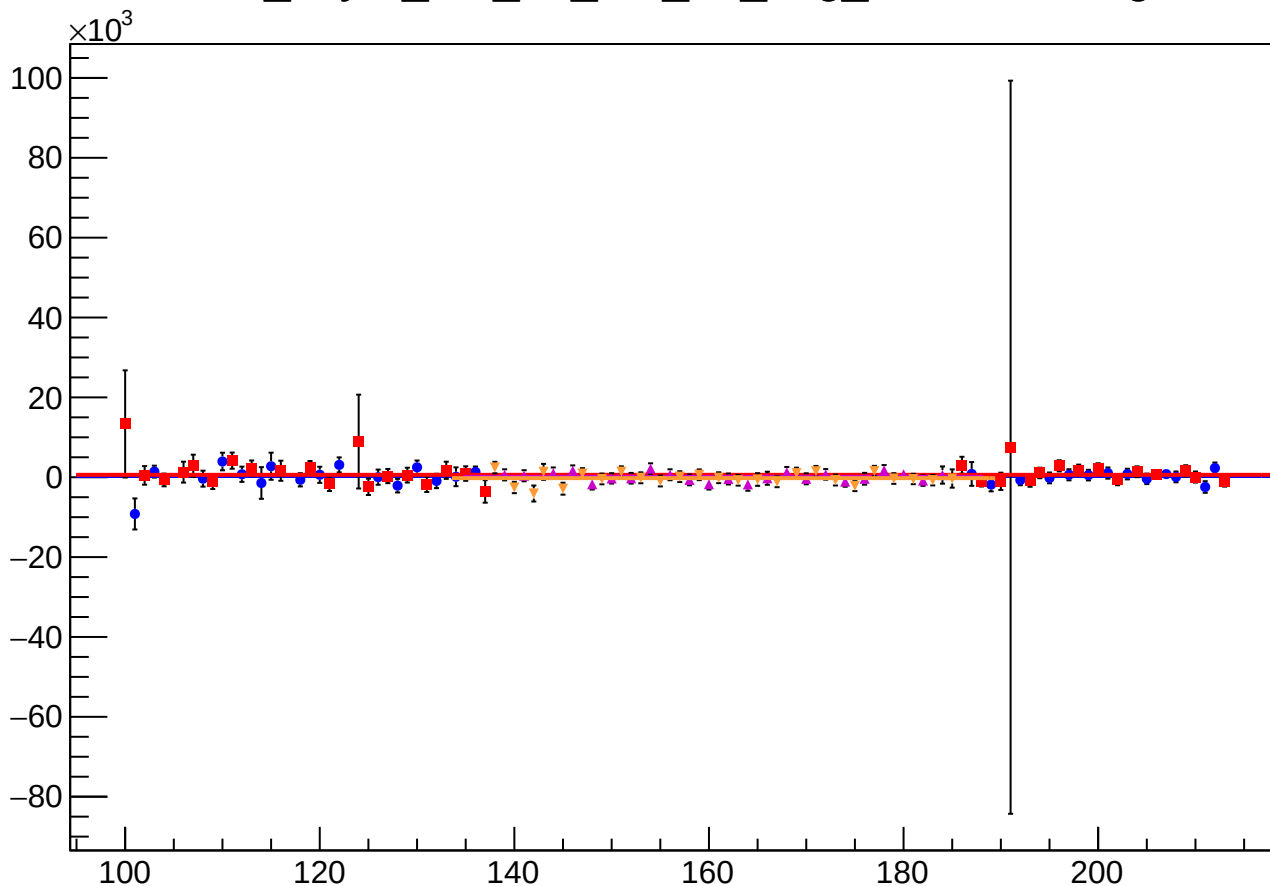
Left In: 582.190+/-0.097 χ^2/NDF : 559261.3/22

+ sign 689.377+/-0.087 χ^2/NDF : 10266264.0/53

All: 693.202+/-0.062 χ^2/NDF : 21527763.4/11

- sign 697.131+/-0.088 χ^2/NDF : 11257573.9/56

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 317.335 $\pm$ 303.954 χ^2 /NDF: 26.3/28

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 602.837 $\pm$ 296.258 χ^2 /NDF: 29.5/33

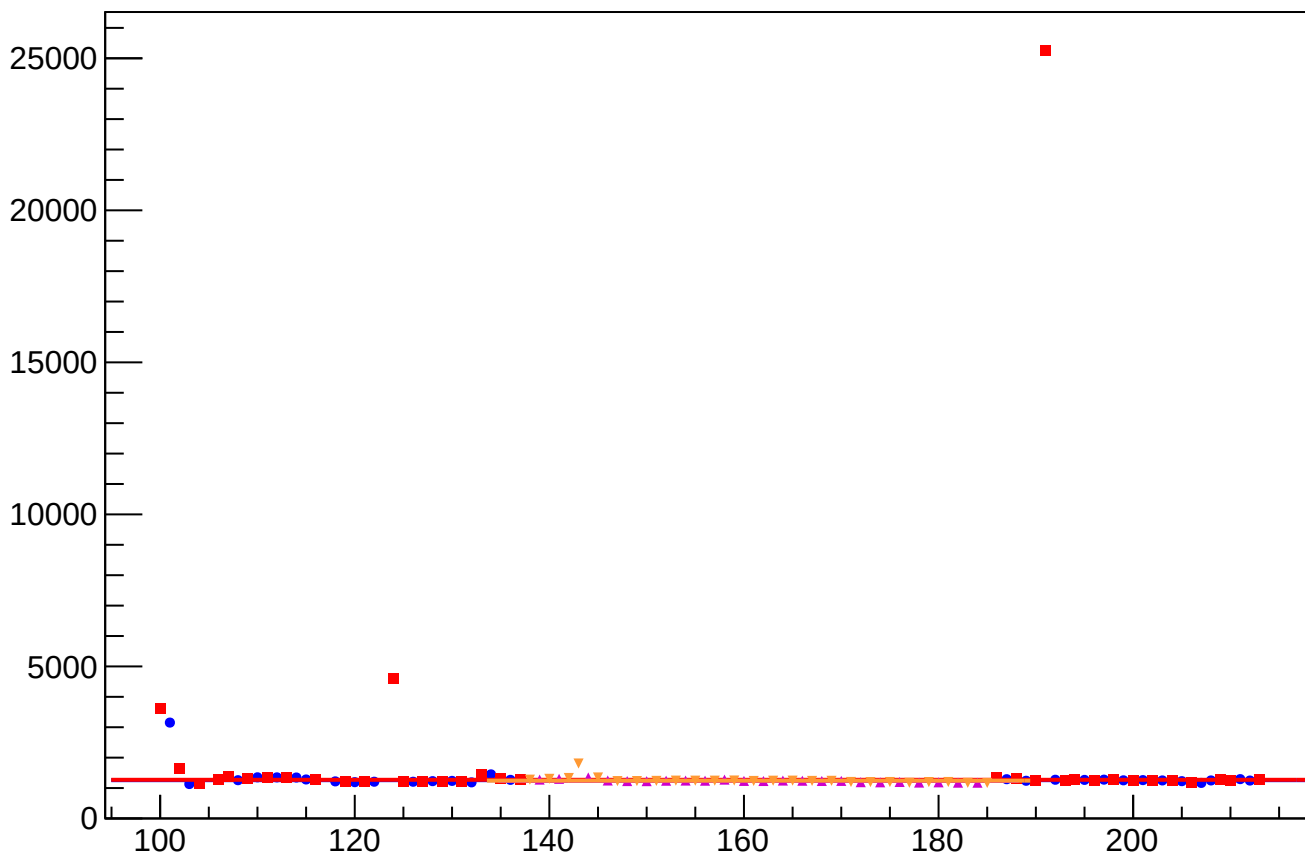
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 29.156 $\pm$ 207.145 χ^2 /NDF: 51.9/53

All: 185.317 $\pm$ 146.275 χ^2 /NDF: 98.8/110

- sign 340.634 $\pm$ 206.585 χ^2 /NDF: 45.7/56

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535193.4/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.220 $\pm$ 0.209 χ^2 /NDF: 493838.8/33

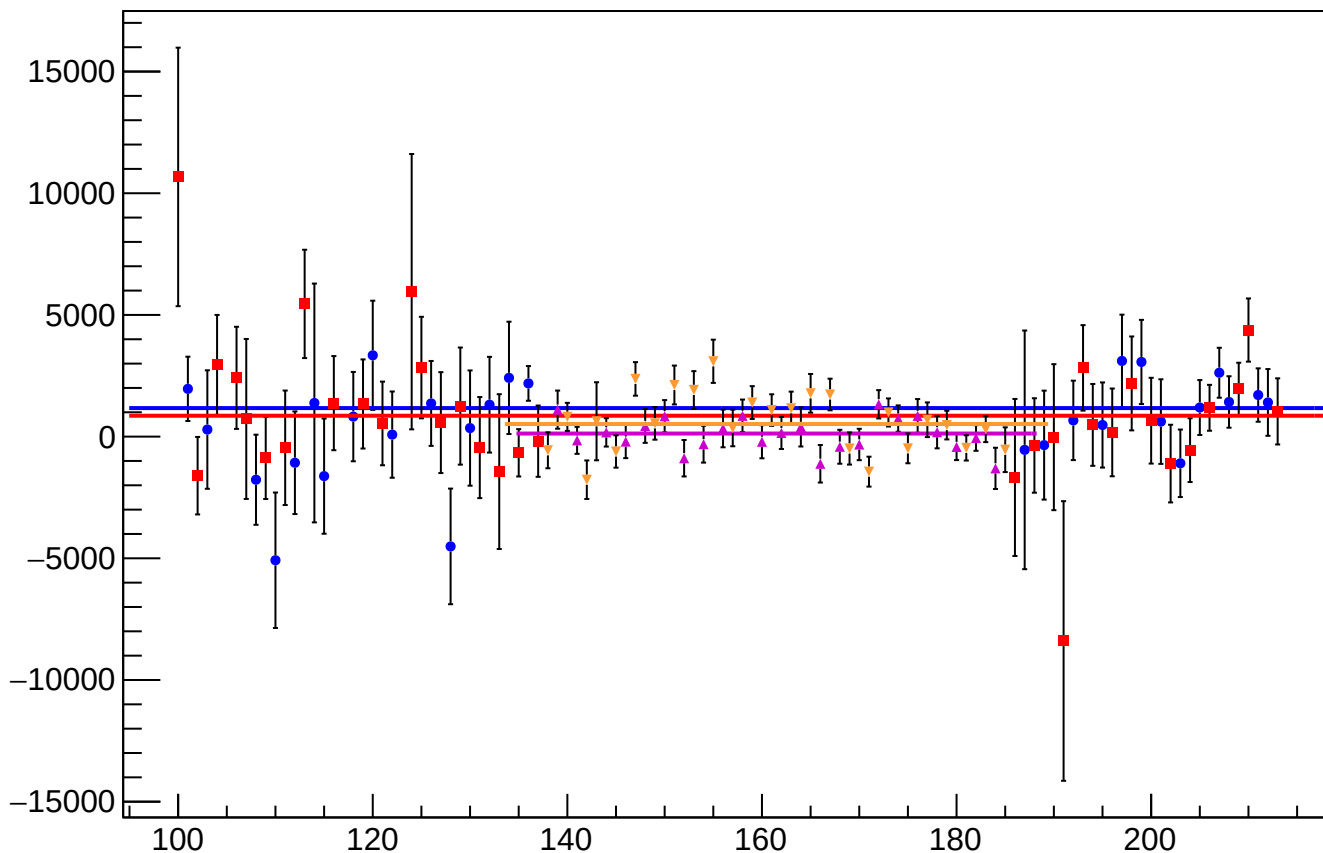
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741530.9/53

All: 1251.159 $\pm$ 0.103 χ^2 /NDF: 1291147.7/11

- sign 1251.971 $\pm$ 0.146 χ^2 /NDF: 549554.9/56

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 1172.423 $\pm$ 289.672 χ^2 /NDF: 28.3/28

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 858.389 $\pm$ 297.110 χ^2 /NDF: 35.7/33

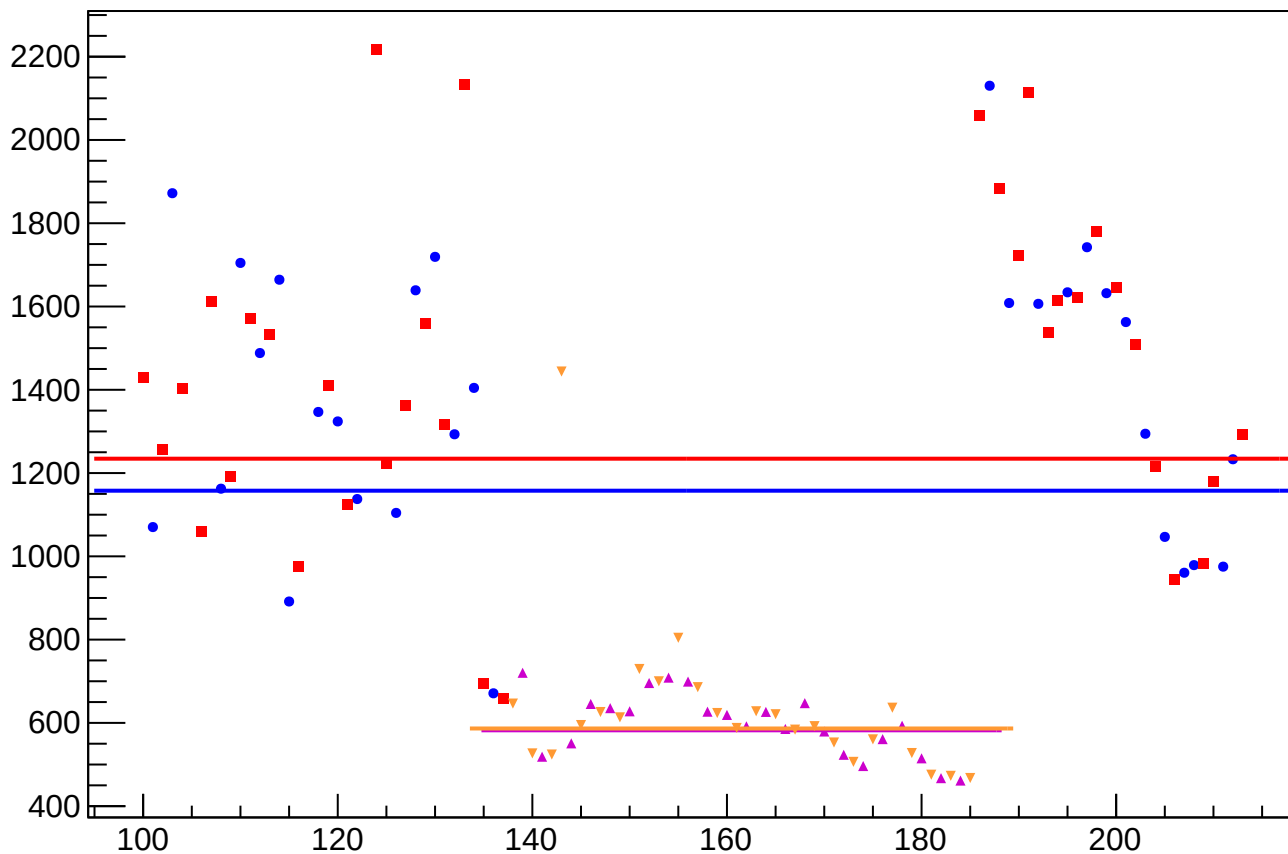
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 634.863 $\pm$ 122.919 χ^2 /NDF: 99.5/53

All: 447.664 $\pm$ 87.509 χ^2 /NDF: 166.5/110

- sign 255.281 $\pm$ 124.610 χ^2 /NDF: 62.3/56

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1157.642 $\pm$ 0.205 χ^2 /NDF: 2685791.4/28

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1234.519 $\pm$ 0.210 χ^2 /NDF: 2735110.5/33

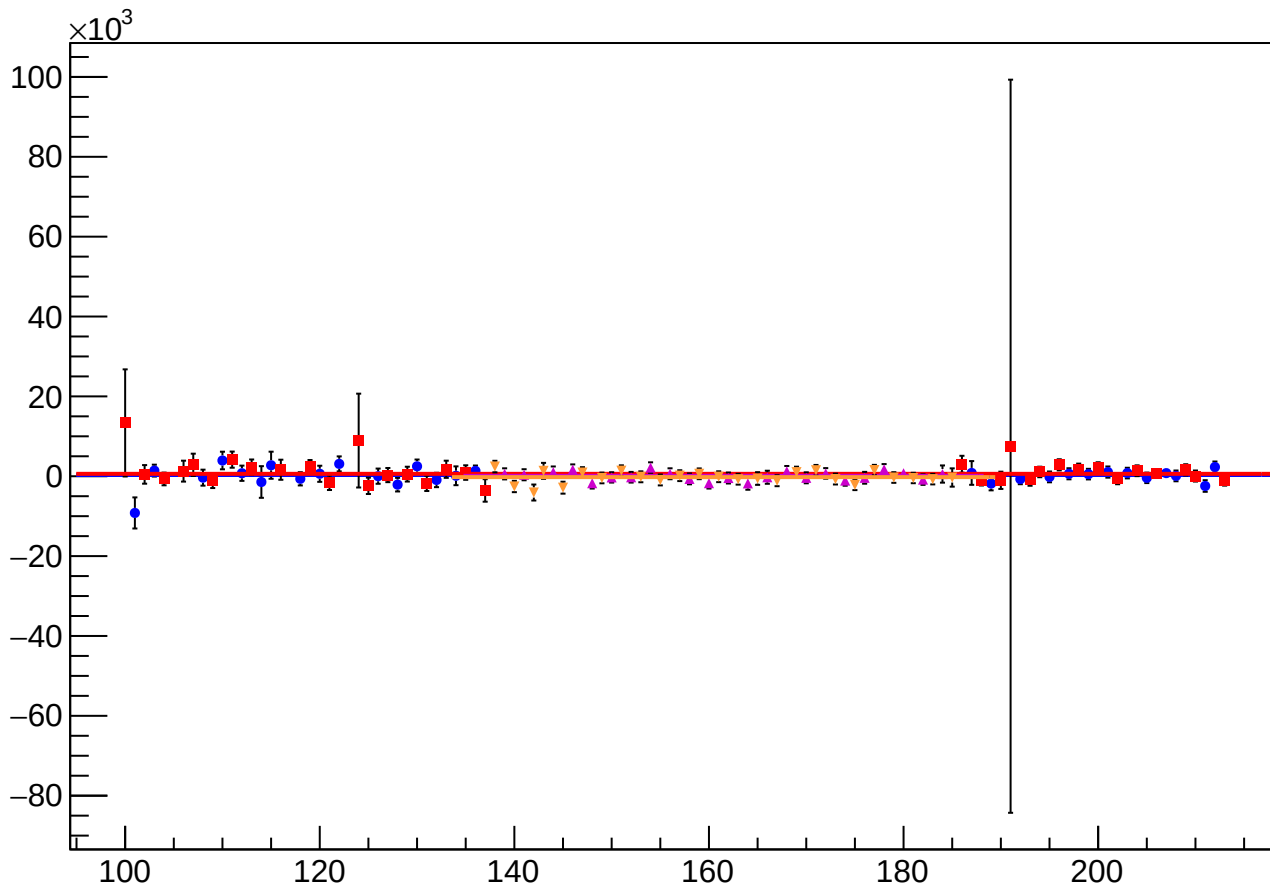
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 689.393 $\pm$ 0.087 χ^2 /NDF: 10262300.8/53

All: 693.112 $\pm$ 0.062 χ^2 /NDF: 21505668.6/11

- sign 696.934 $\pm$ 0.088 χ^2 /NDF: 11239655.1/56

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 317.335 $\pm$ 303.954 χ^2 /NDF: 26.3/28

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 602.837 $\pm$ 296.258 χ^2 /NDF: 29.5/33

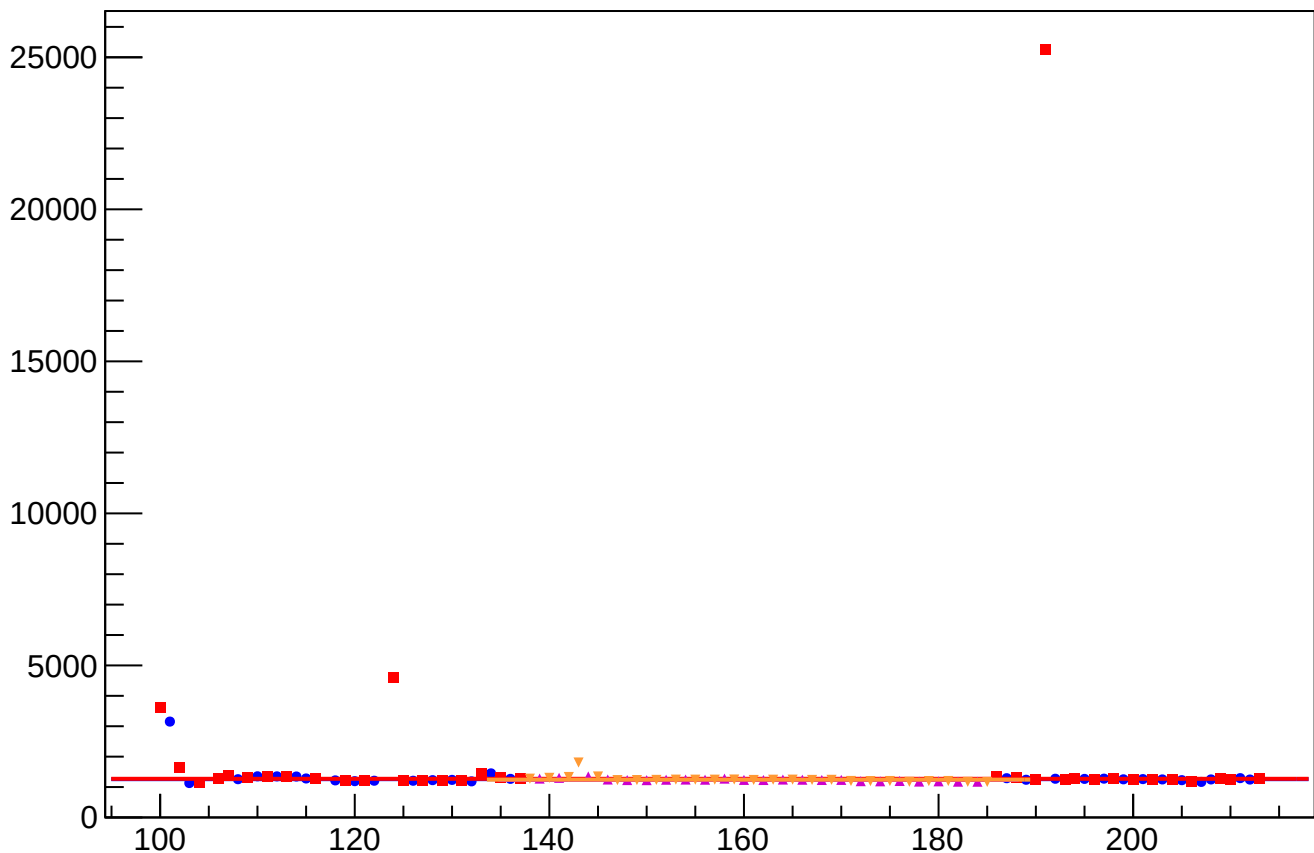
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign 29.156 $\pm$ 207.145 χ^2 /NDF: 51.9/53

All: 185.317 $\pm$ 146.275 χ^2 /NDF: 98.8/110

- sign 340.634 $\pm$ 206.585 χ^2 /NDF: 45.7/56

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.014 $\pm$ 0.215 χ^2 /NDF: 535193.4/28

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1271.220 $\pm$ 0.209 χ^2 /NDF: 493838.8/33

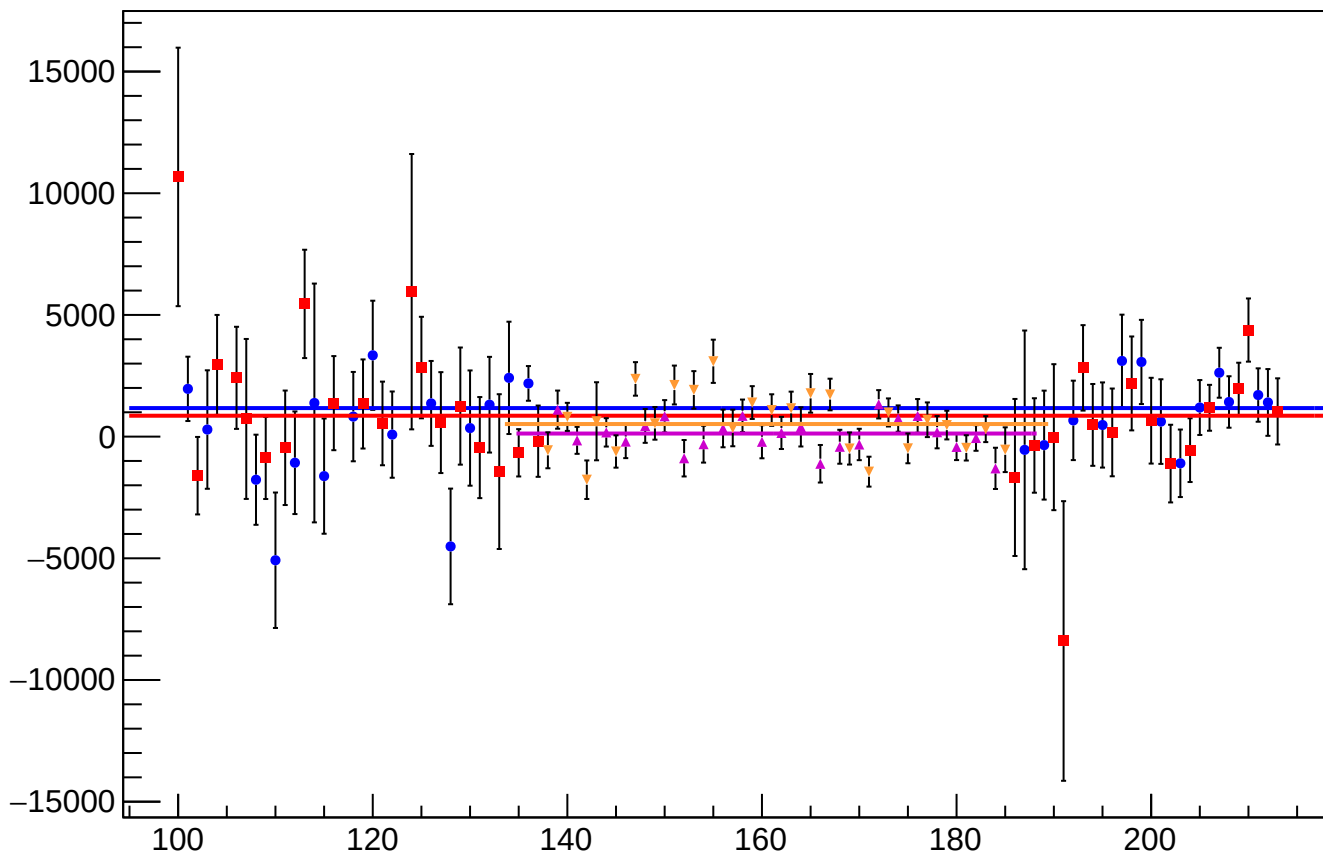
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.344 $\pm$ 0.146 χ^2 /NDF: 741530.9/53

All: 1251.159 $\pm$ 0.103 χ^2 /NDF: 1291147.7/11

- sign 1251.971 $\pm$ 0.146 χ^2 /NDF: 549554.9/56

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 1172.423 $\pm$ 289.672 χ^2 /NDF: 28.3/28

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 858.389 $\pm$ 297.110 χ^2 /NDF: 35.7/33

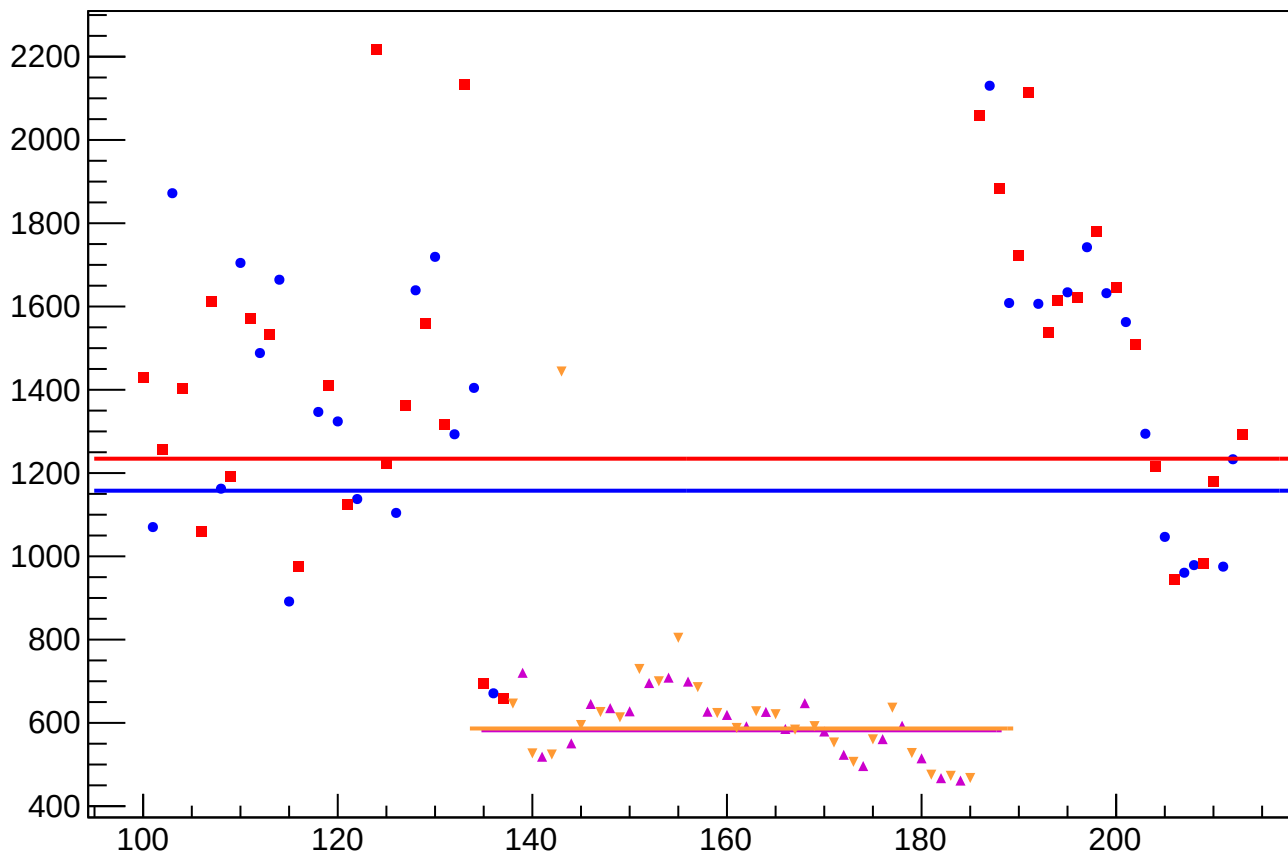
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 634.863 $\pm$ 122.919 χ^2 /NDF: 99.5/53

All: 447.664 $\pm$ 87.509 χ^2 /NDF: 166.5/110

- sign 255.281 $\pm$ 124.610 χ^2 /NDF: 62.3/56

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1157.642 $\pm$ 0.205 χ^2 /NDF: 2685791.4/28

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1234.519 $\pm$ 0.210 χ^2 /NDF: 2735110.5/33

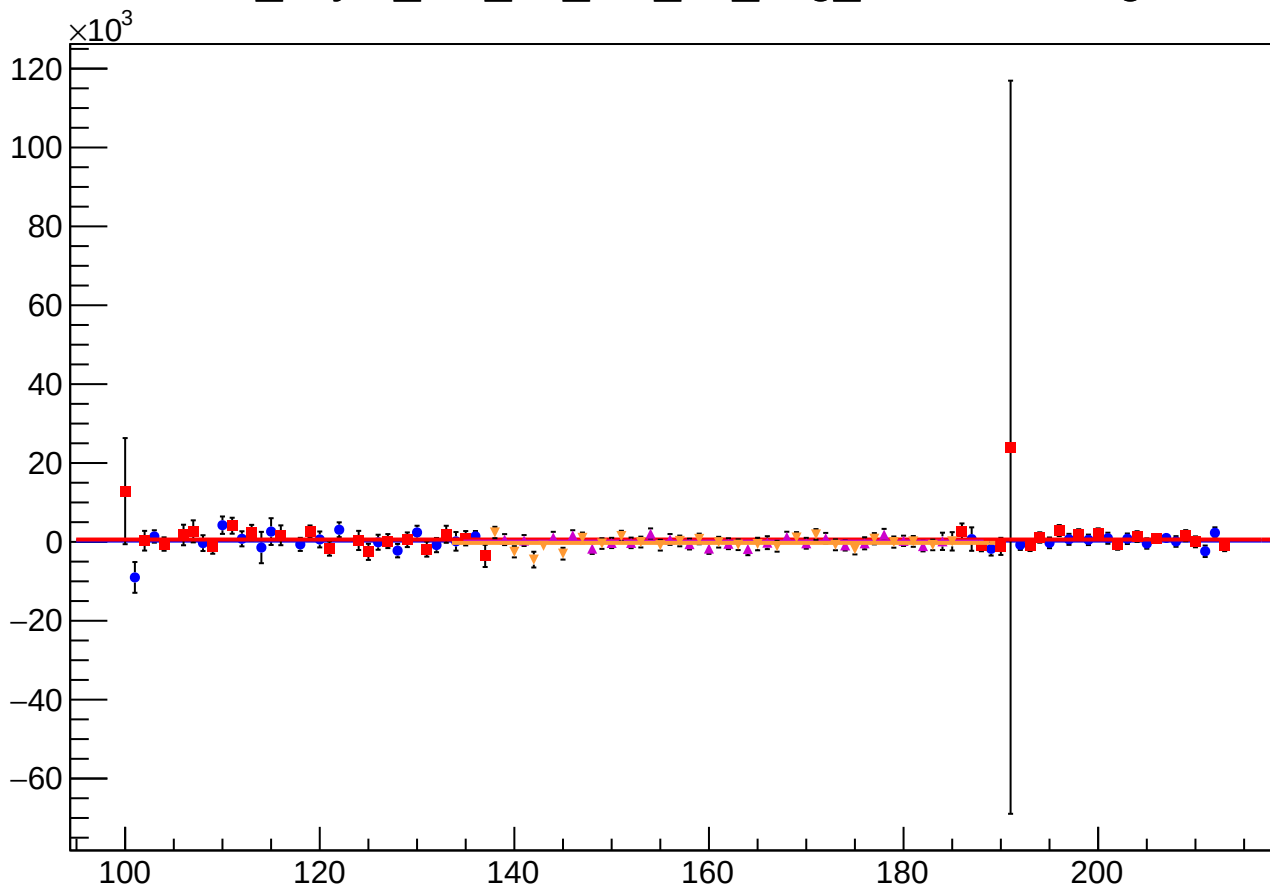
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 689.393 $\pm$ 0.087 χ^2 /NDF: 10262300.8/53

All: 693.112 $\pm$ 0.062 χ^2 /NDF: 21505668.6/11

- sign 696.934 $\pm$ 0.088 χ^2 /NDF: 11239655.1/56

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 323.605 $\pm$ 304.934 χ^2 /NDF: 26.3/28

Left Out: -250.849 $\pm$ 279.923 χ^2 /NDF:24.0/24

Right Out: 600.486 $\pm$ 295.575 χ^2 /NDF: 29.0/33

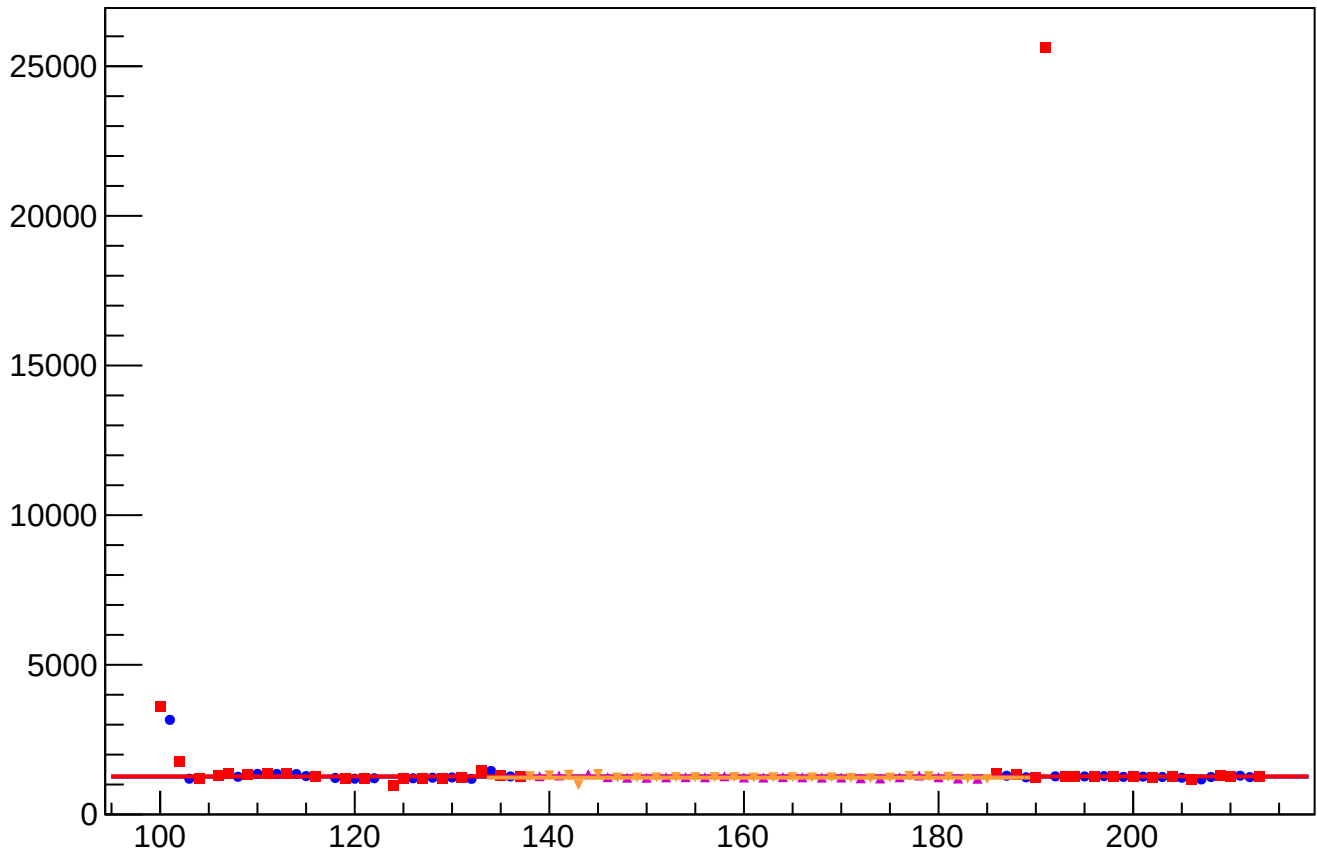
Left In: 74.881 $\pm$ 291.458 χ^2 /NDF:14.0/22

+ sign 11.856 $\pm$ 206.212 χ^2 /NDF: 52.3/53

All: 171.899 $\pm$ 146.278 χ^2 /NDF: 98.1/110

- sign 333.998 $\pm$ 207.532 χ^2 /NDF: 44.6/56

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.241 $\pm$ 0.216 χ^2 /NDF: 525121.0/28

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141607.5/24

Right Out: 1269.823 $\pm$ 0.209 χ^2 /NDF: 385102.1/33

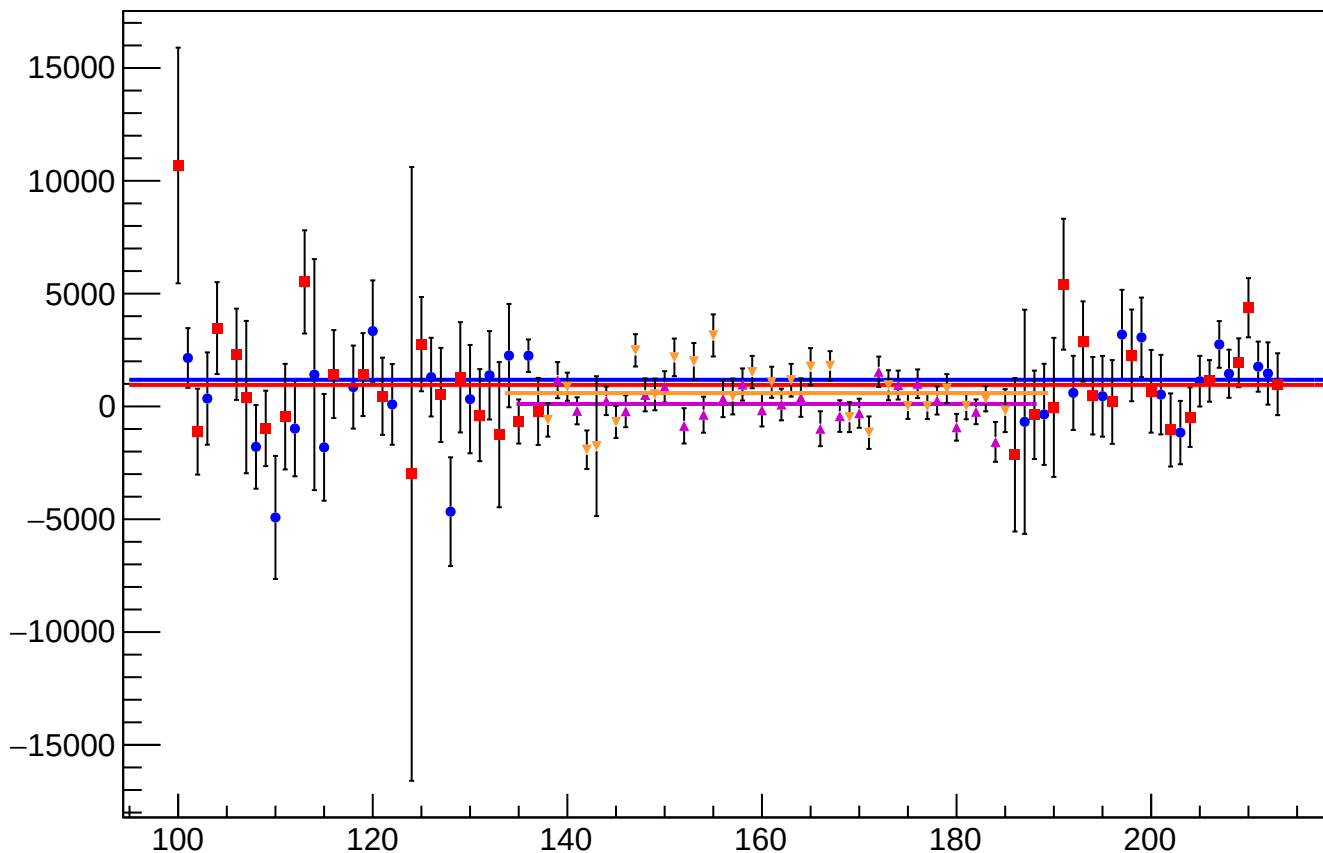
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.8/22

+ sign 1245.194 $\pm$ 0.146 χ^2 /NDF: 679637.0/53

All: 1251.879 $\pm$ 0.103 χ^2 /NDF: 1101947.6/11

- sign 1258.650 $\pm$ 0.147 χ^2 /NDF: 418079.9/56

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 1181.636 $\pm$ 291.106 χ^2 /NDF: 29.3/28

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 955.684 $\pm$ 299.553 χ^2 /NDF: 33.7/33

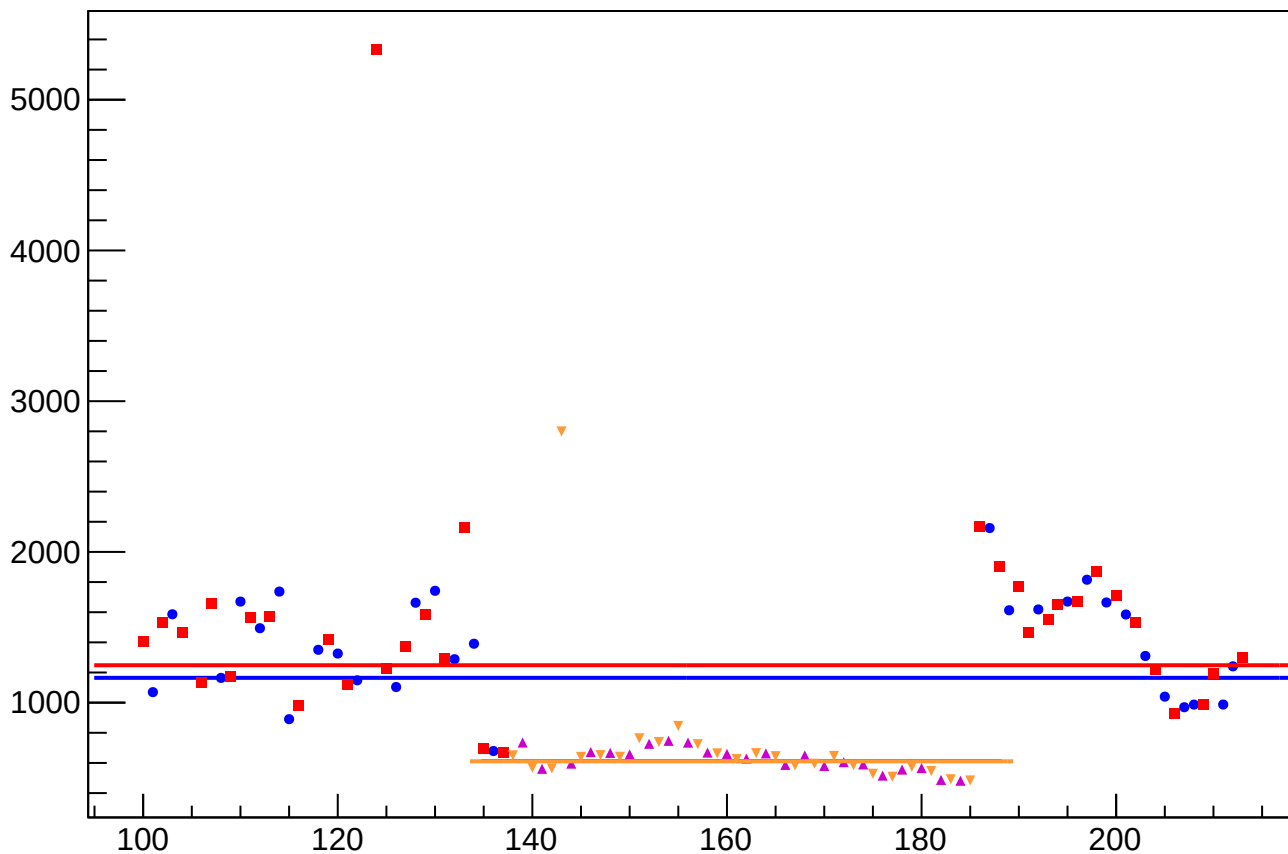
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 707.924 $\pm$ 127.720 χ^2 /NDF: 89.9/53

All: 492.444 $\pm$ 91.091 χ^2 /NDF: 161.6/110

- sign 269.365 $\pm$ 129.953 χ^2 /NDF: 65.9/56

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1164.609 $\pm$ 0.206 χ^2 /NDF: 2624929.2/28

Left Out: 611.087 $\pm$ 0.101 χ^2 /NDF: 1619322.3/24

Right Out: 1248.155 $\pm$ 0.212 χ^2 /NDF: 3030885.4/33

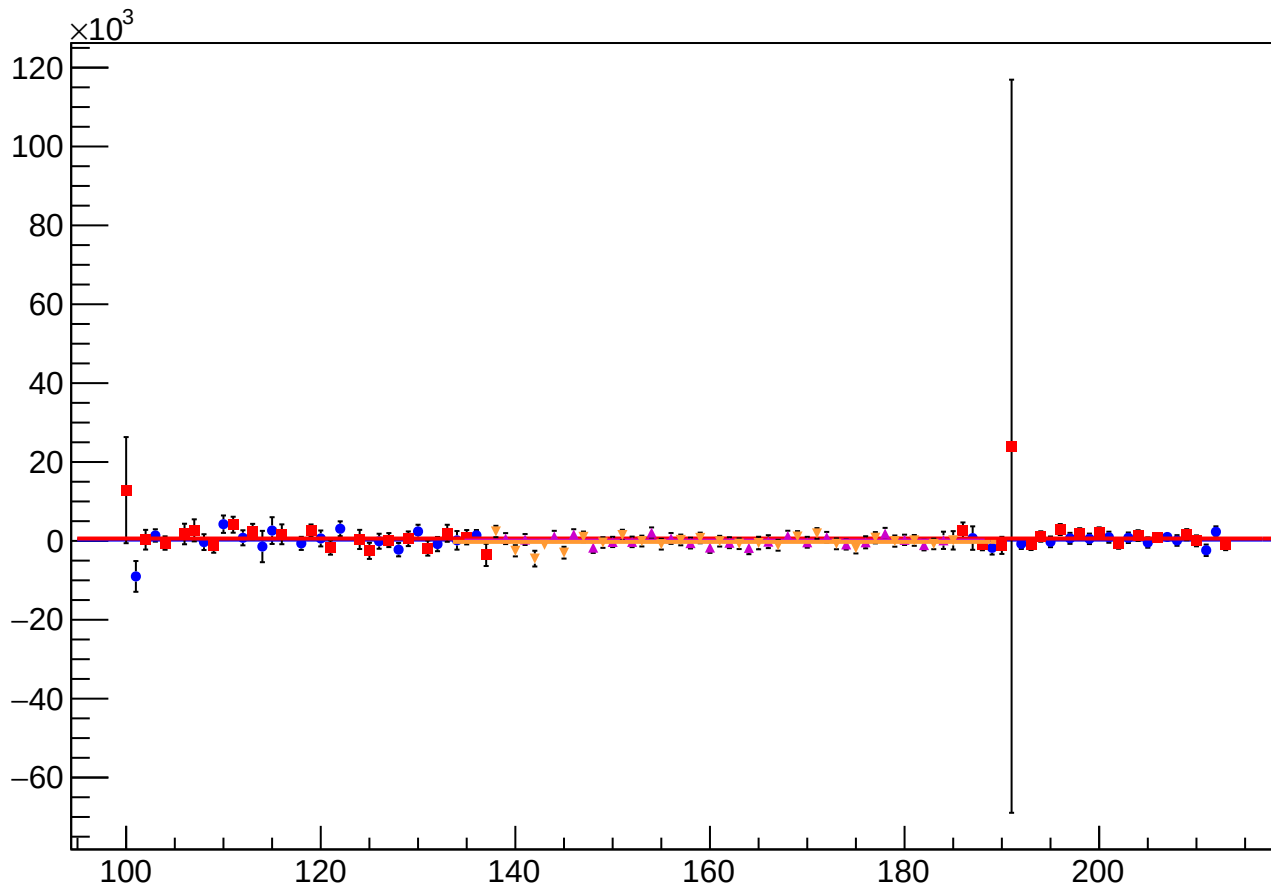
Left In: 612.399 $\pm$ 0.102 χ^2 /NDF: 508595.4/22

+ sign 717.636 $\pm$ 0.090 χ^2 /NDF: 10083302.6/53

All: 724.718 $\pm$ 0.064 χ^2 /NDF: 20948572.3/100

- sign 732.050 $\pm$ 0.092 χ^2 /NDF: 10852754.4/56

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 323.603 ± 304.934 χ^2/NDF : 26.3/28

Left Out: -250.851 ± 279.923 χ^2/NDF : 24.0/24

Right Out: 600.485 ± 295.575 χ^2/NDF : 29.0/33

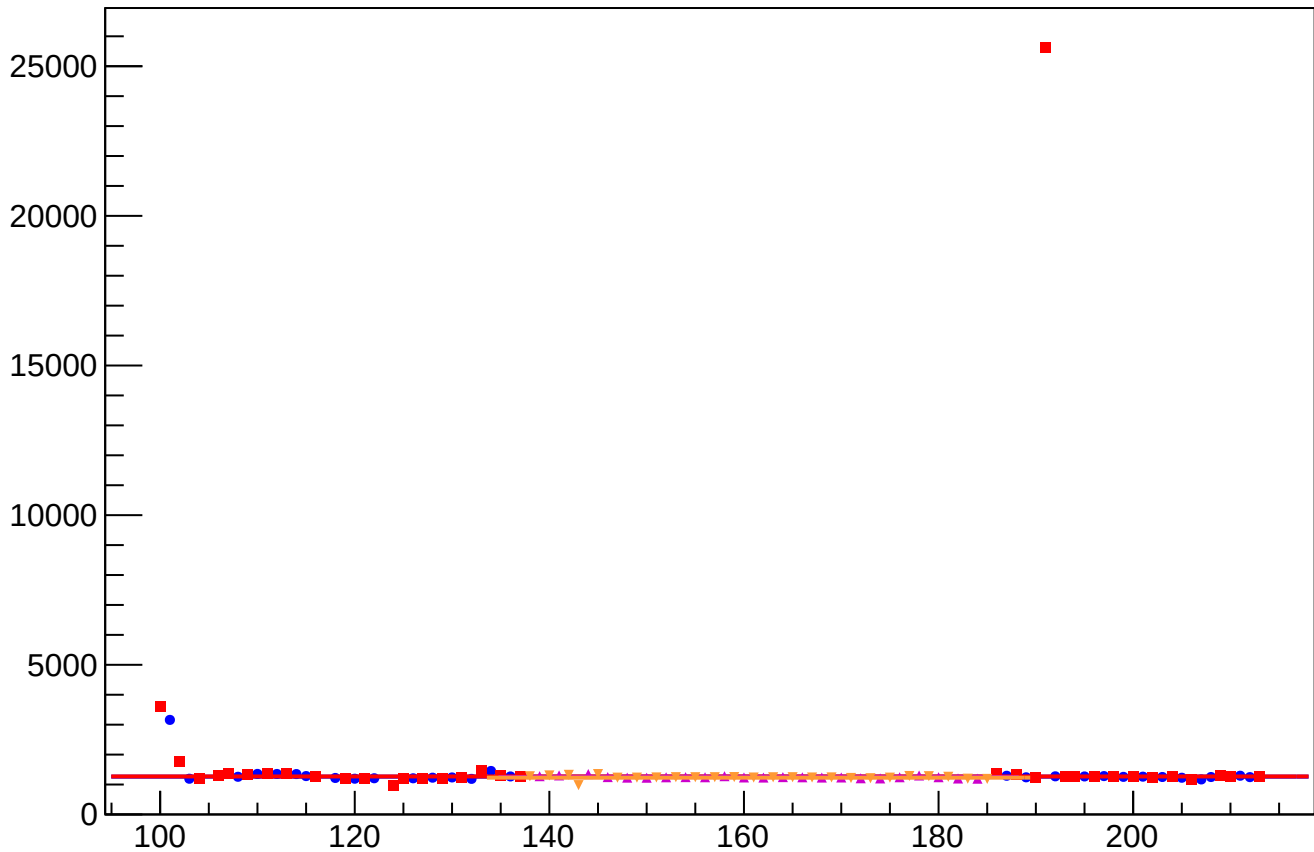
Left In: 74.881 ± 291.458 χ^2/NDF : 14.0/22

+ sign 11.854 ± 206.212 χ^2/NDF : 52.3/53

All: 171.898 ± 146.278 χ^2/NDF : 98.1/110

- sign 333.997 ± 207.532 χ^2/NDF : 44.6/56

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.241+/-0.216 χ^2/NDF : 525121.1/28

Left Out: 1229.986+/-0.198 χ^2/NDF : 141606.6/24

Right Out: 1269.823+/-0.209 χ^2/NDF : 385101.9/33

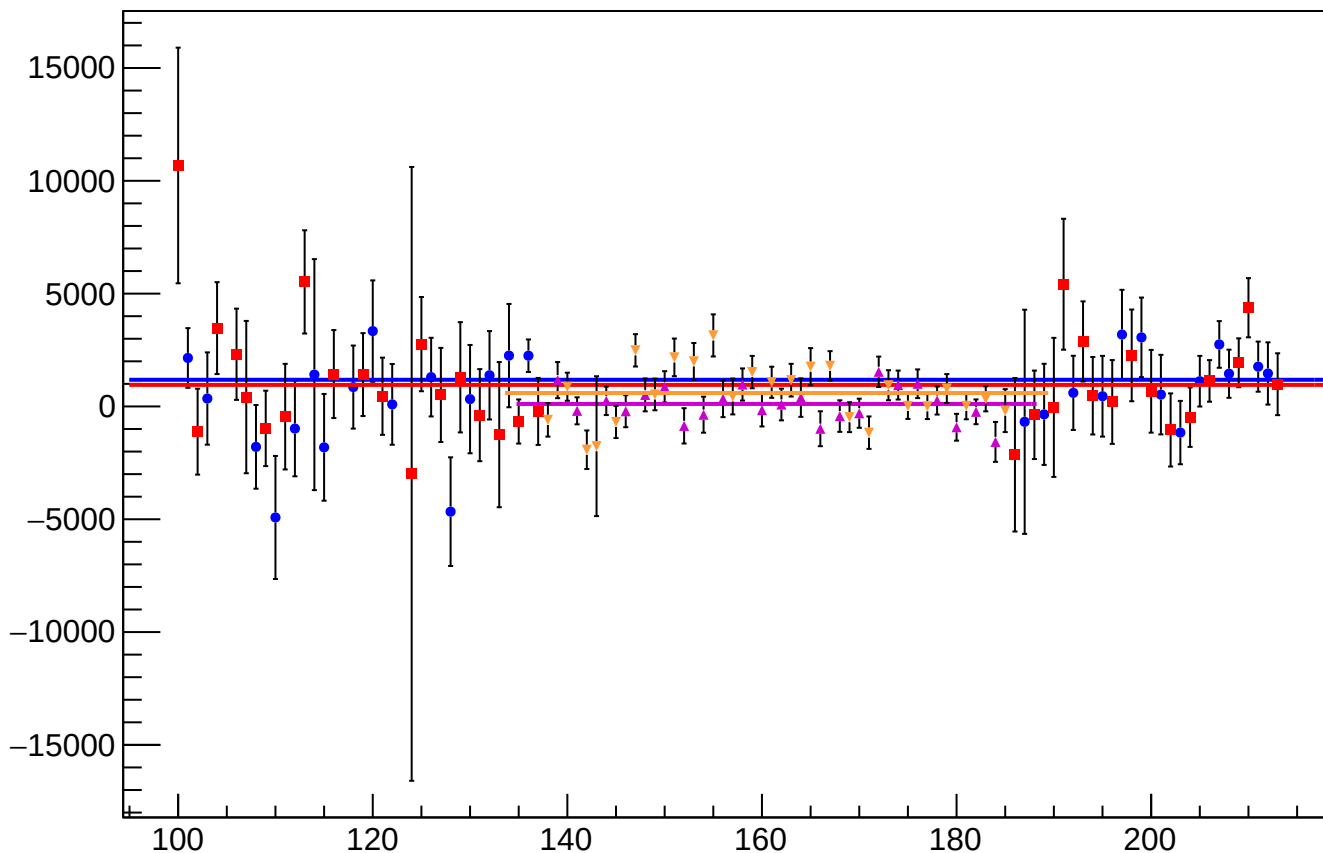
Left In: 1247.785+/-0.206 χ^2/NDF : 27340.7/22

+ sign 1245.194+/-0.146 χ^2/NDF : 679636.2/53

All: 1251.879+/-0.103 χ^2/NDF : 1101946.5/11

- sign 1258.650+/-0.147 χ^2/NDF : 418079.7/56

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 1181.634 $\pm$ 291.106 χ^2 /NDF: 29.3/28

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 955.689 $\pm$ 299.553 χ^2 /NDF: 33.7/33

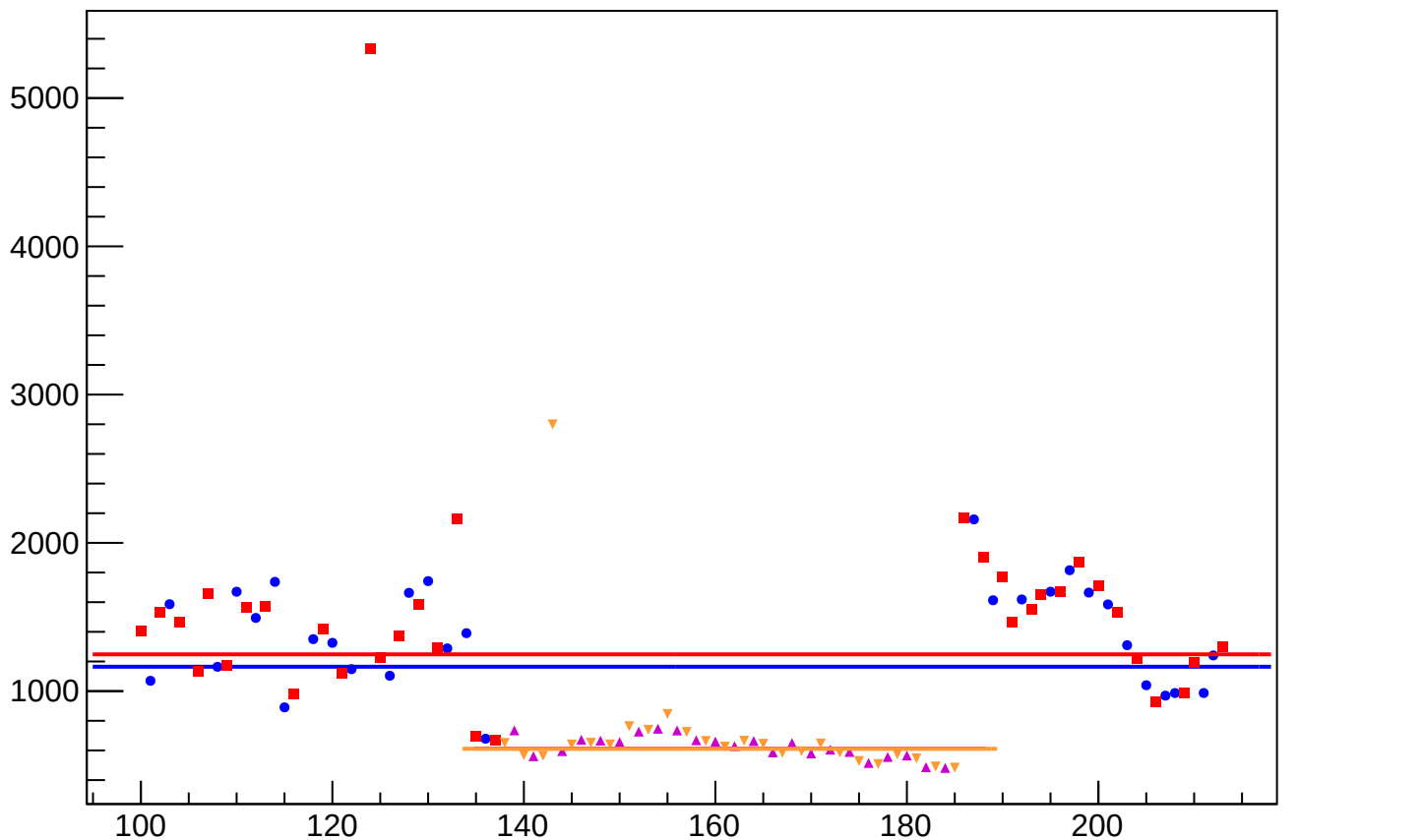
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 707.923 $\pm$ 127.720 χ^2 /NDF: 89.9/53

All: 492.443 $\pm$ 91.091 χ^2 /NDF: 161.6/110

- sign 269.364 $\pm$ 129.953 χ^2 /NDF: 65.9/56

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1164.610 ± 0.206 $\chi^2/\text{NDF}: 2624871.4/28$

Left Out: 611.086 ± 0.101 $\chi^2/\text{NDF}: 1619319.5/24$

Right Out: 1248.157 ± 0.212 $\chi^2/\text{NDF}: 3030828.6/33$

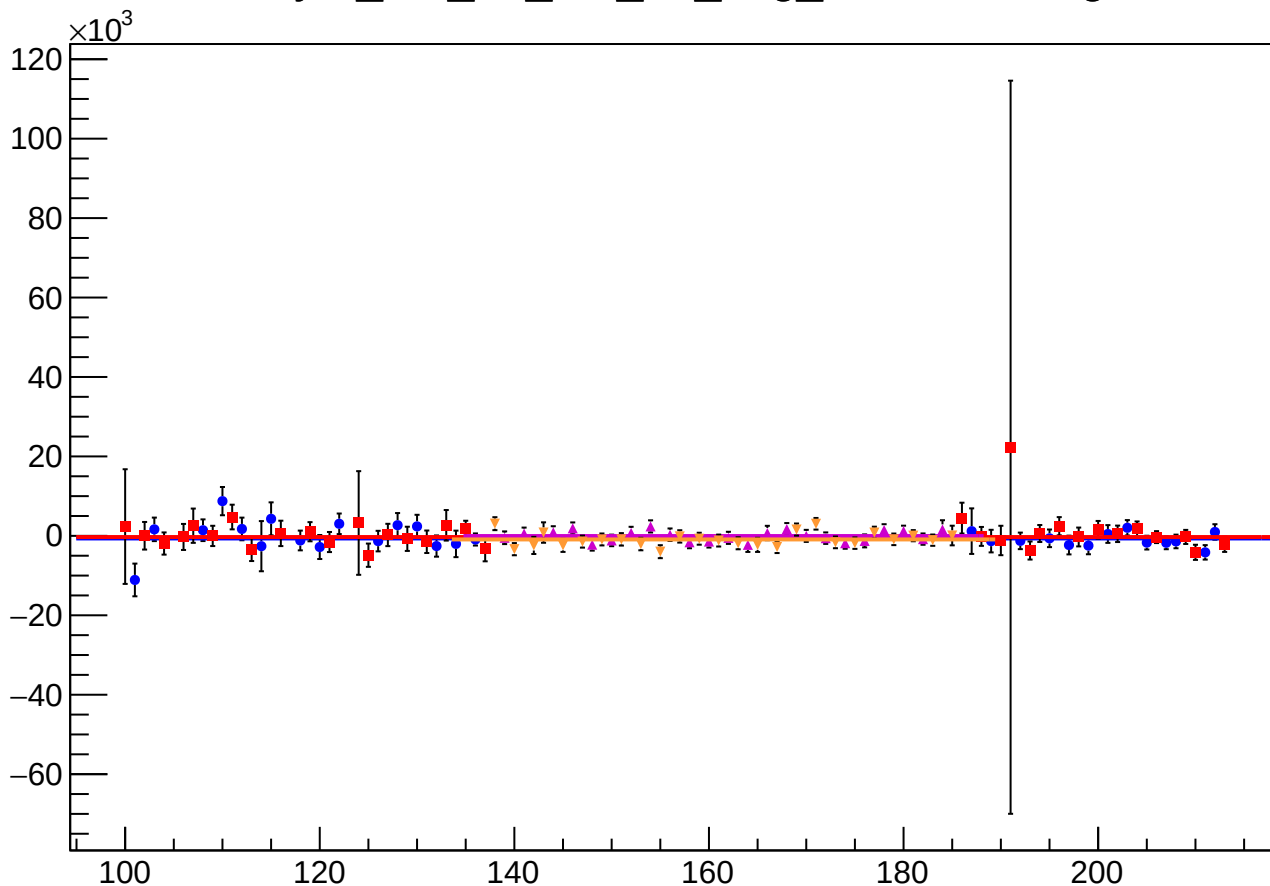
Left In: 612.398 ± 0.102 $\chi^2/\text{NDF}: 508597.7/22$

+ sign 717.636 ± 0.090 $\chi^2/\text{NDF}: 10083274.5/53$

All: 724.718 ± 0.064 $\chi^2/\text{NDF}: 20948552.5/100$

- sign 732.049 ± 0.092 $\chi^2/\text{NDF}: 10852763.5/56$

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -653.176+/-442.464 χ^2/NDF : 31.5/28

Left Out: -899.894+/-316.449 χ^2/NDF : 29.8/24

Right Out: -300.705+/-440.031 χ^2/NDF : 22.8/33

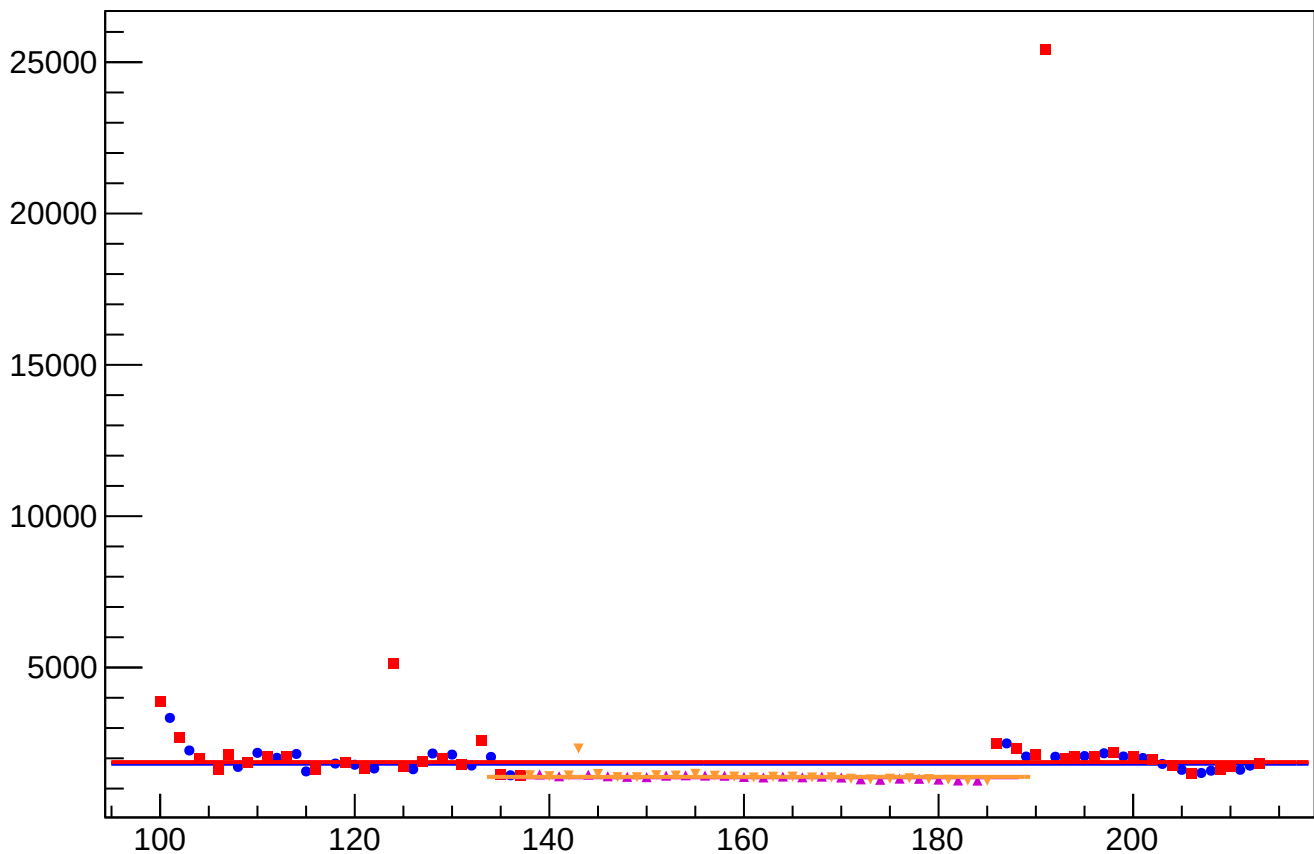
Left In: -48.178+/-320.929 χ^2/NDF : 17.9/22

+ sign -816.403+/-257.394 χ^2/NDF : 61.5/53

All: -478.633+/-182.673 χ^2/NDF : 105.8/110

- sign -135.862+/-259.293 χ^2/NDF : 40.9/56

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1821.170+/-0.313 χ^2/NDF : 892241.3/28

Left Out: 1386.845+/-0.224 χ^2/NDF :339794.5/24

Right Out: 1874.851+/-0.311 χ^2/NDF : 1051720.1/33

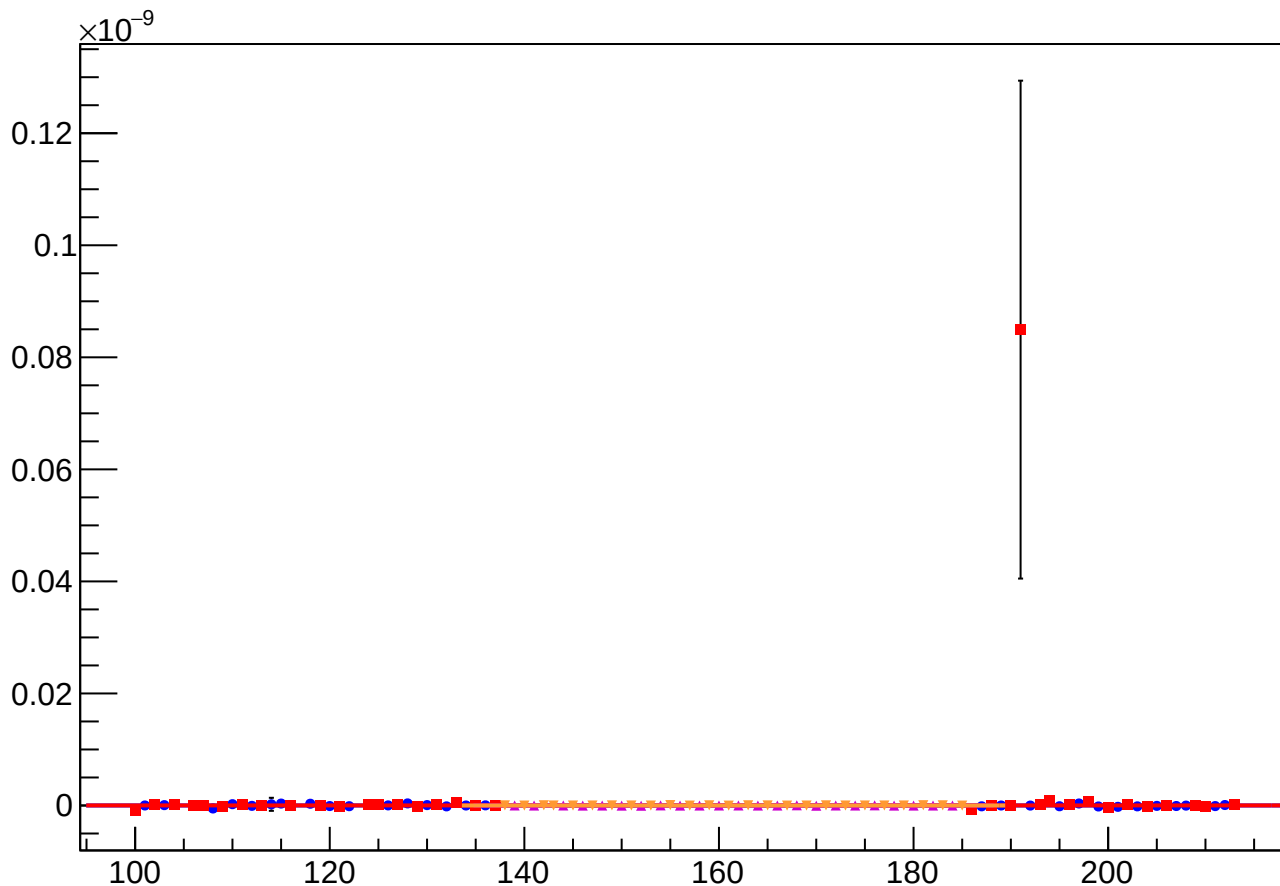
Left In: 1373.217+/-0.227 χ^2/NDF :64467.6/22

+ sign 1533.824+/-0.182 χ^2/NDF : 2506989.1/53

All: 1540.561+/-0.129 χ^2/NDF : 5322630.0/11

- sign 1547.398+/-0.183 χ^2/NDF : 2812880.0/56

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.0/33

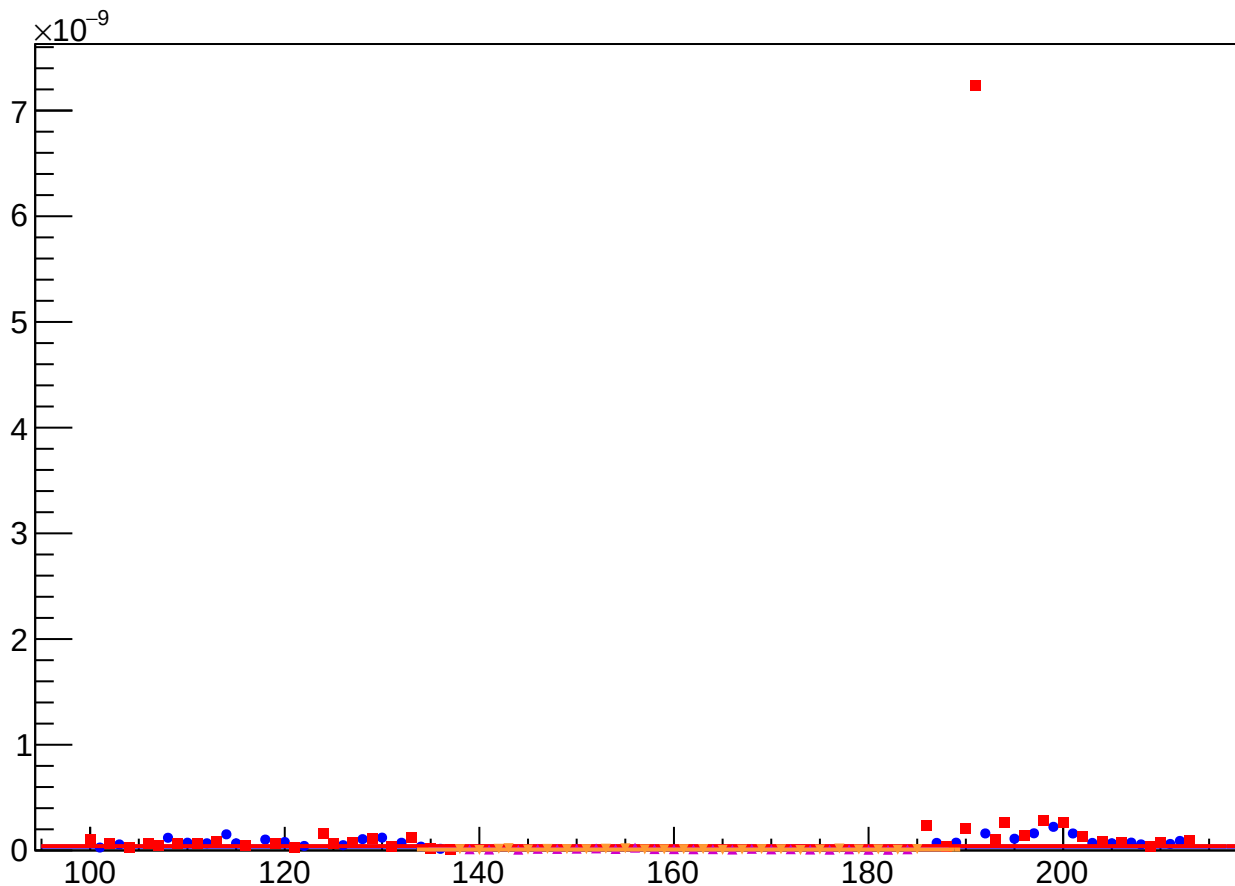
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 113.4/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.1/56

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6474570.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6905666.6/33

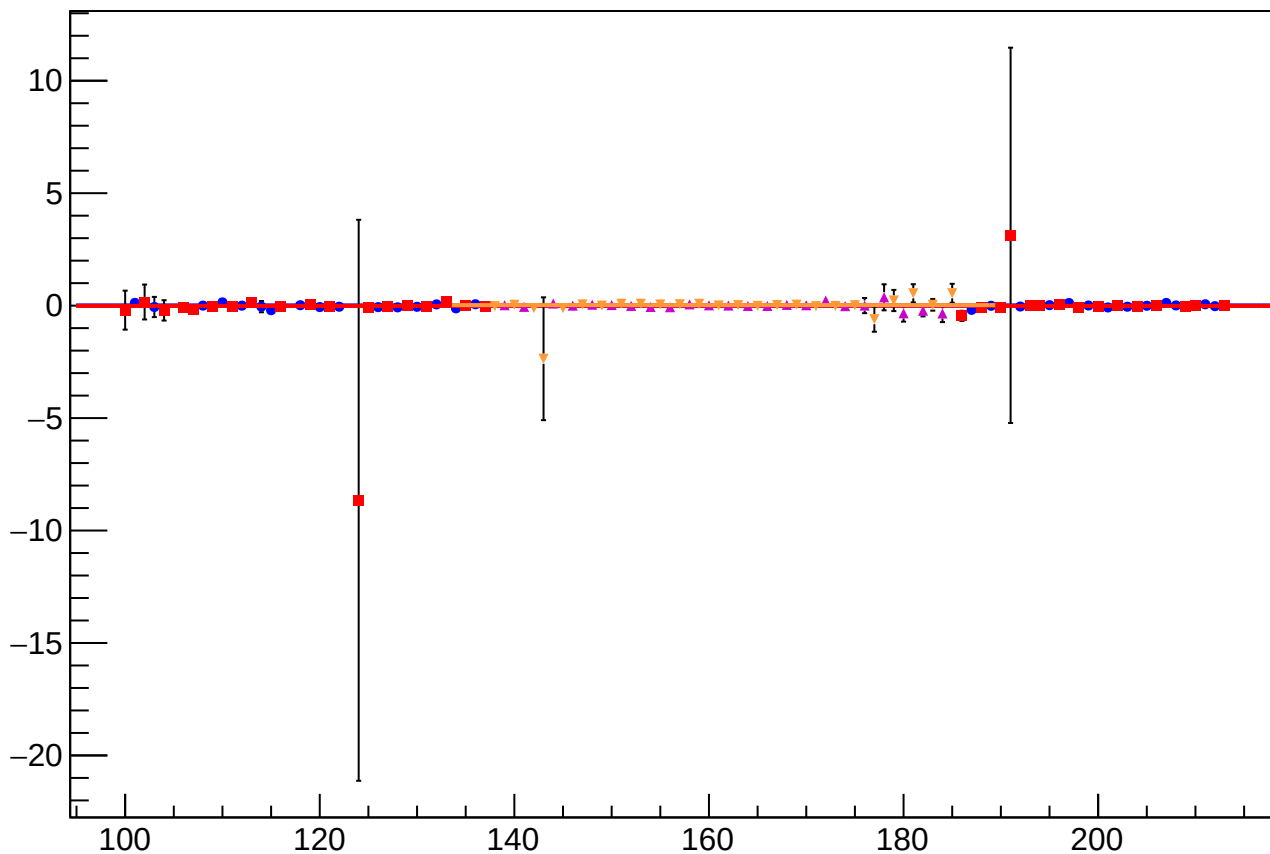
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 13539126.6/53

All: 0.000+/-0.000 χ^2/NDF : 26884428.4/110

- sign 0.000+/-0.000 χ^2/NDF : 13055719.3/56

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 $\chi^2/\text{NDF}: 45.0/28$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.013 ± 0.010 $\chi^2/\text{NDF}: 24.1/33$

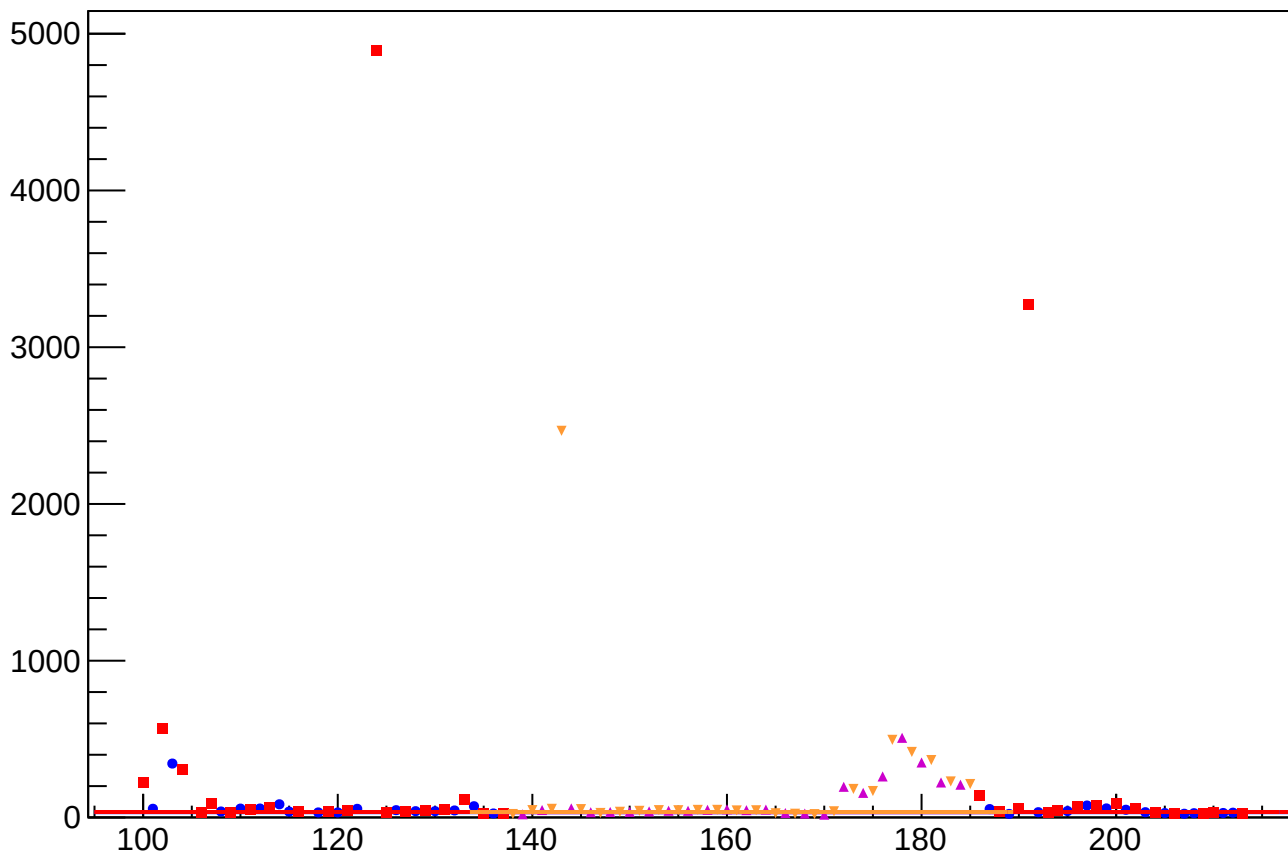
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.016 ± 0.007 $\chi^2/\text{NDF}: 68.7/53$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 113.9/110$

- sign -0.002 ± 0.007 $\chi^2/\text{NDF}: 41.6/56$

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.604 $\pm$ 0.007 χ^2 /NDF: 3626490.9/28

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484133.8/33

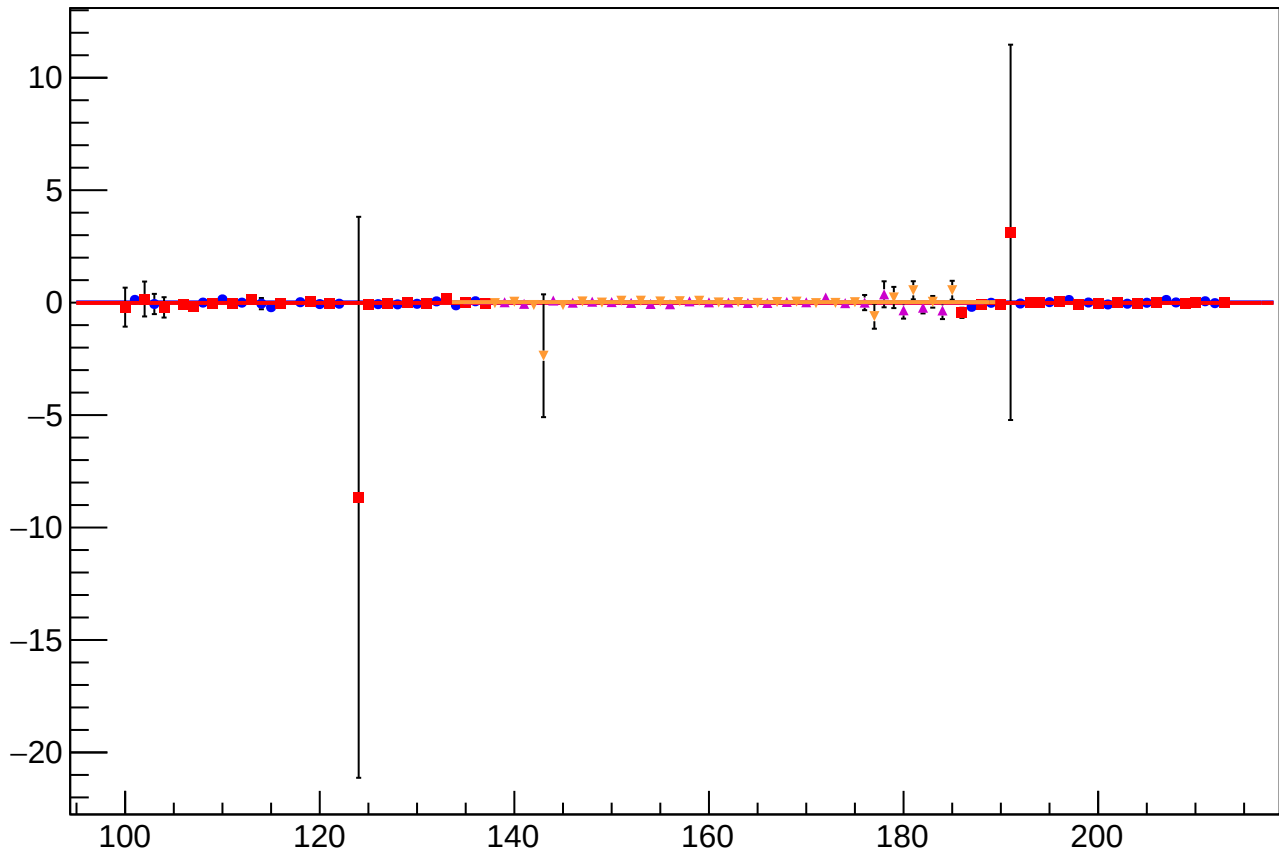
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.067 $\pm$ 0.005 χ^2 /NDF: 15039831.6/53

All: 34.150 $\pm$ 0.003 χ^2 /NDF: 31608199.2/110

- sign 34.234 $\pm$ 0.005 χ^2 /NDF: 16567782.1/56

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.009 χ^2 /NDF: 45.0/28

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.013 $\pm$ 0.010 χ^2 /NDF: 24.1/33

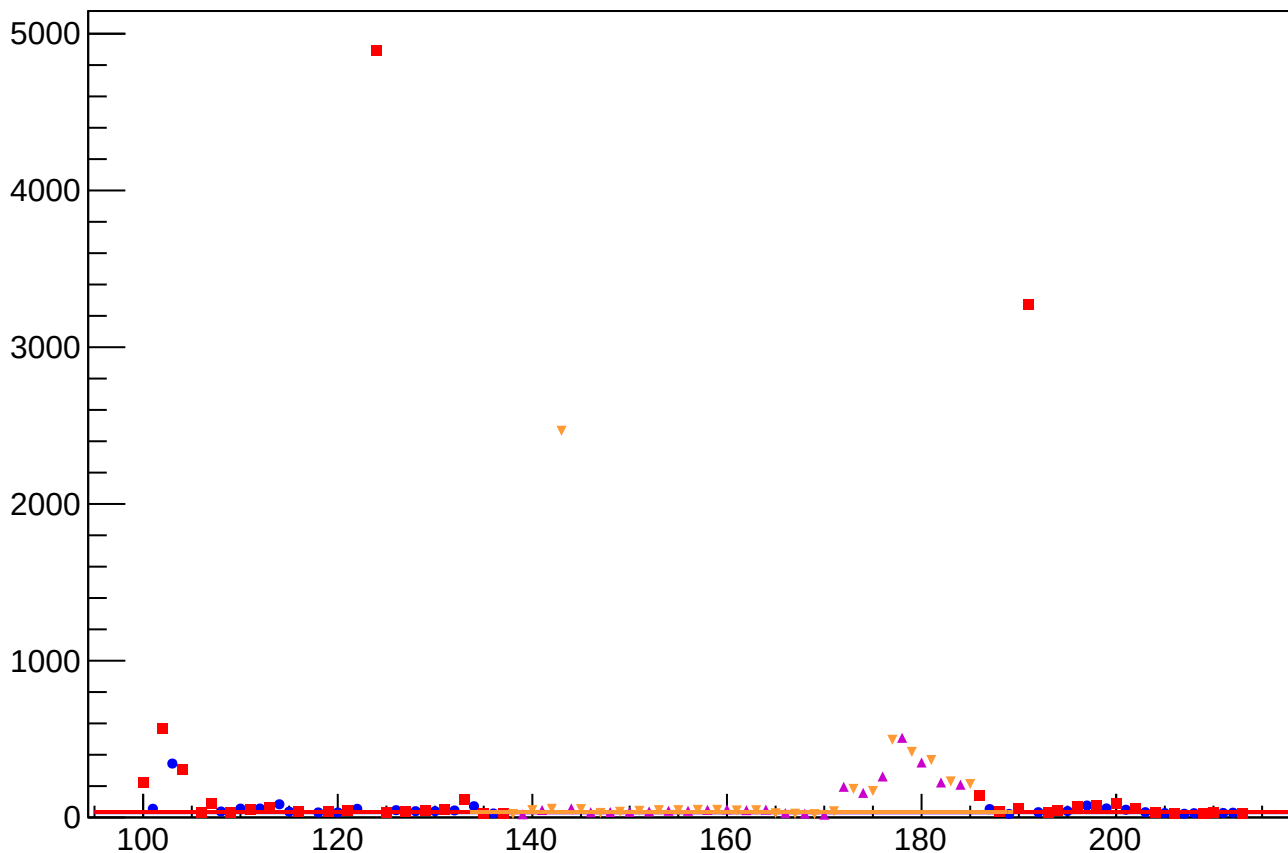
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 68.7/53

All: 0.007 $\pm$ 0.005 χ^2 /NDF: 113.9/110

- sign -0.002 $\pm$ 0.007 χ^2 /NDF: 41.6/56

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.604+/-0.007 χ^2/NDF : 3626490.9/28

Left Out: 34.624+/-0.007 χ^2/NDF : 11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF : 6484133.8/33

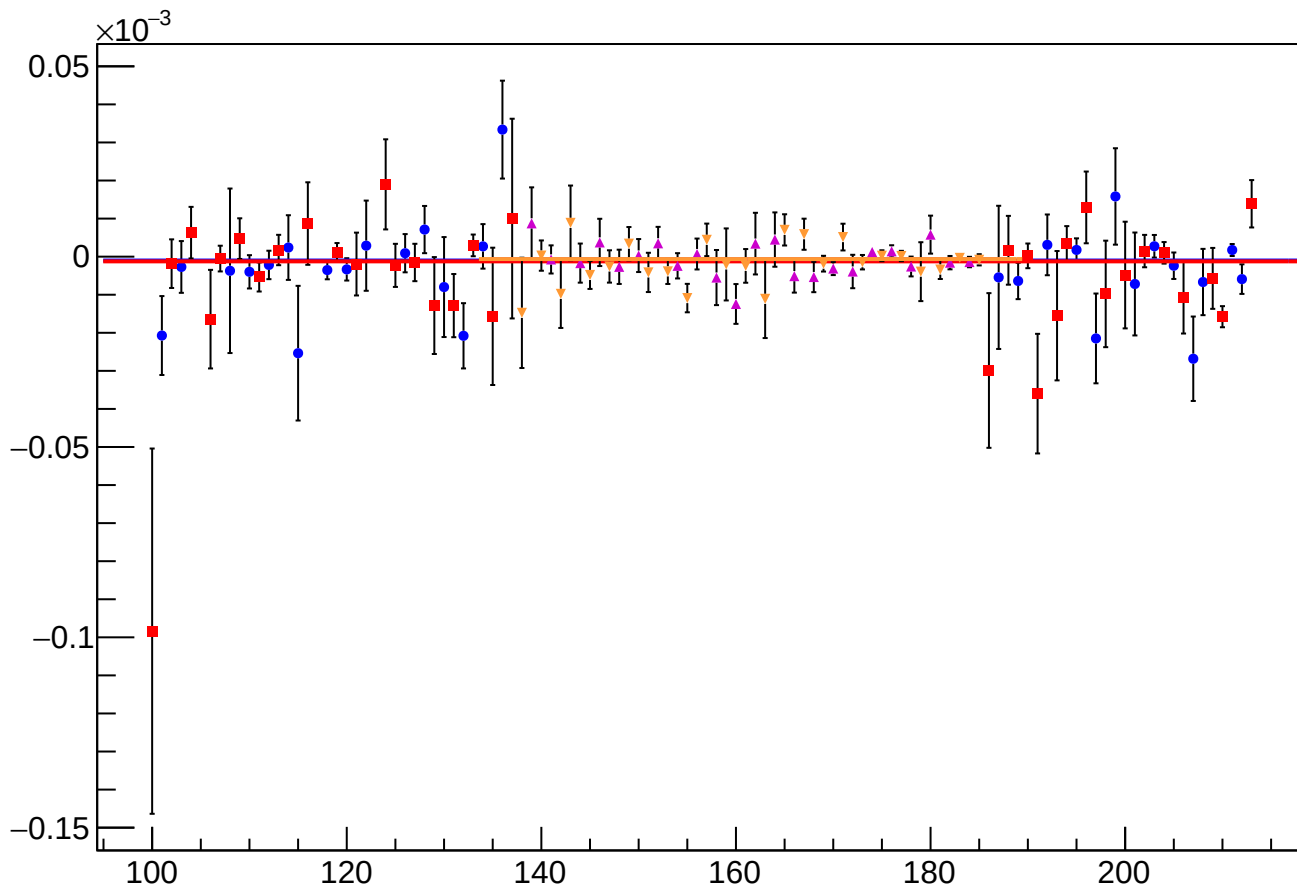
Left In: 33.592+/-0.007 χ^2/NDF : 10067466.4/22

+ sign 34.067+/-0.005 χ^2/NDF : 15039831.6/53

All: 34.150+/-0.003 χ^2/NDF : 31608199.2/110

- sign 34.234+/-0.005 χ^2/NDF : 16567782.1/56

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 42.8/28

Left Out: -0.000+/-0.000 χ^2 /NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 67.7/33

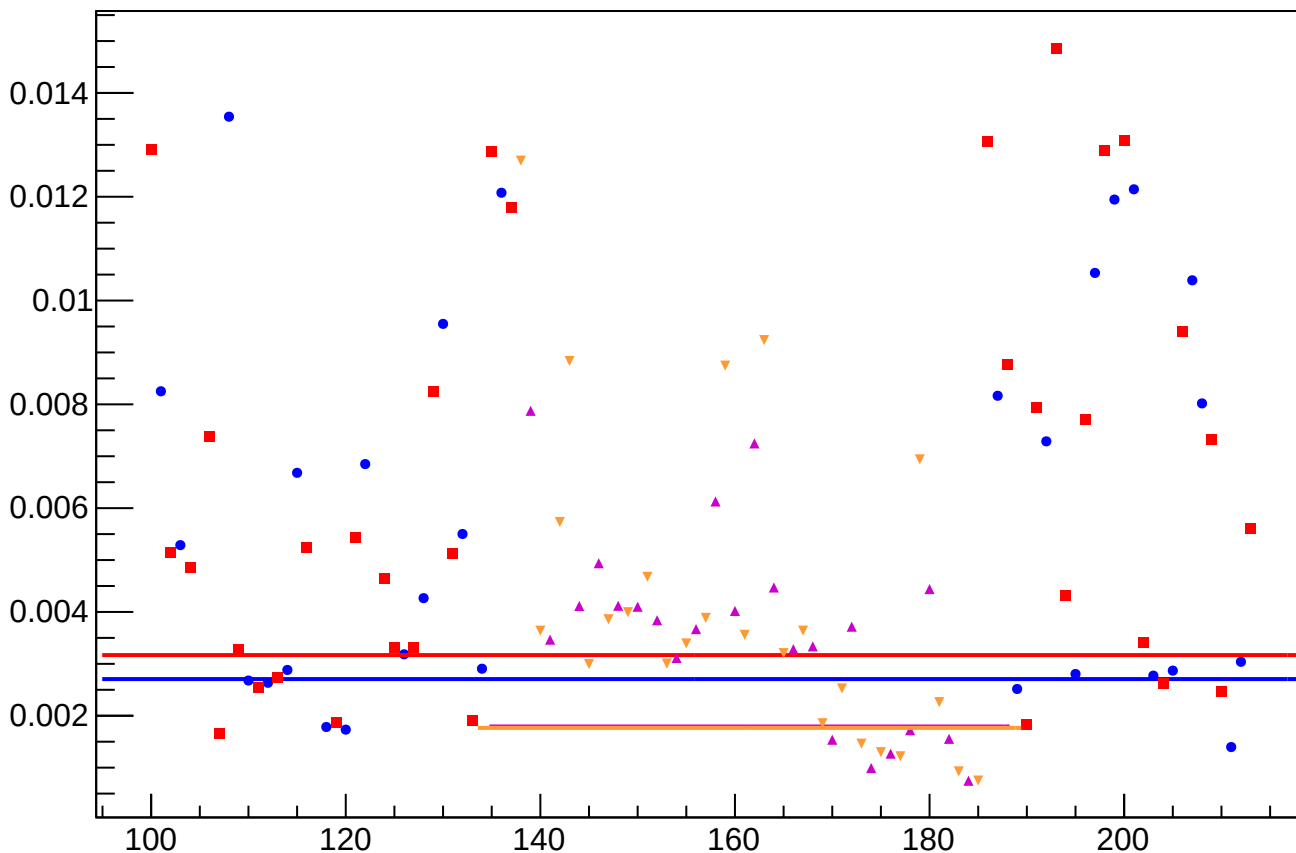
Left In: -0.000+/-0.000 χ^2 /NDF:21.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 71.3/53

All: -0.000+/-0.000 χ^2 /NDF: 161.3/110

- sign -0.000+/-0.000 χ^2 /NDF: 89.9/56

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 11049099.9/28

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF :12926339.2/24

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 25844089.1/53

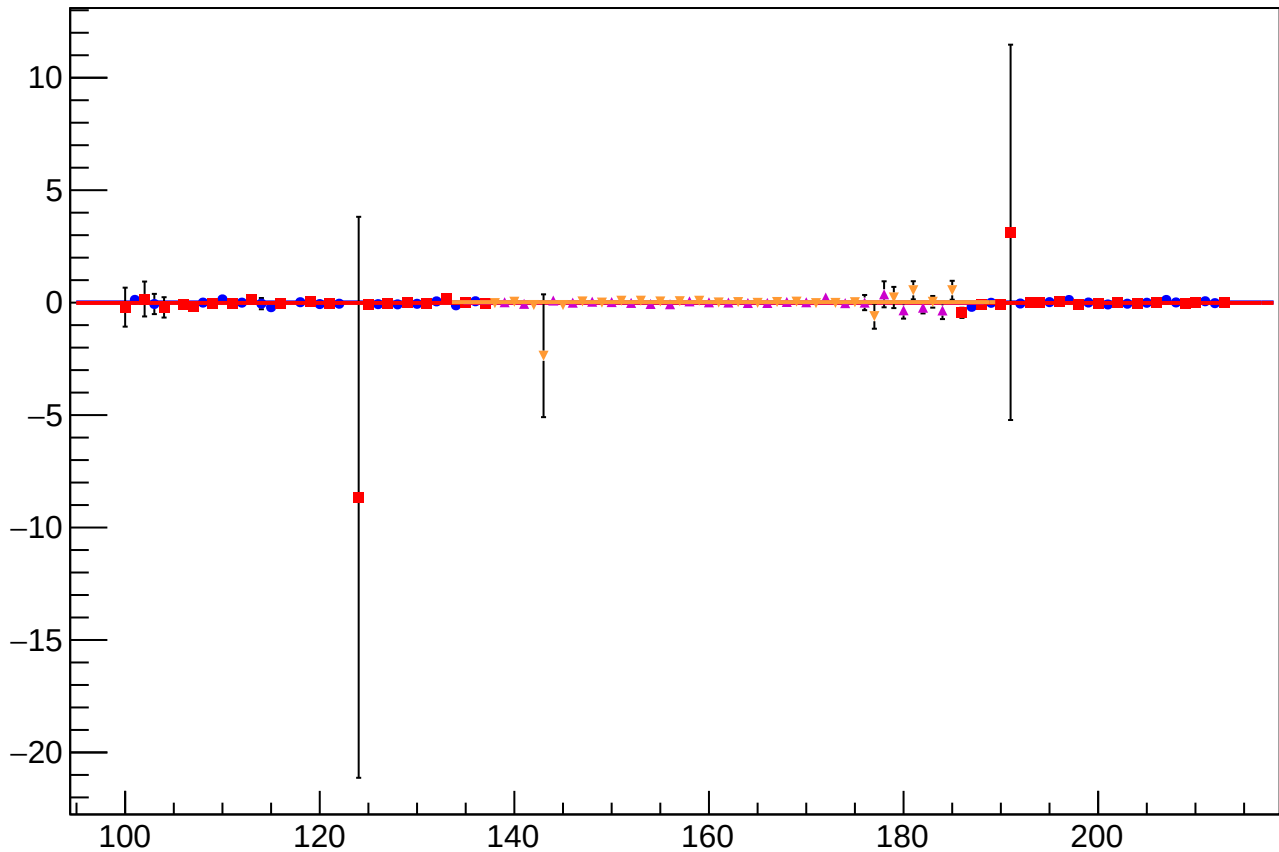
Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 10731244.7/33

All: 0.002 $\pm$ 0.000 χ^2/NDF : 50942419.9/110

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 24996218.5/56

Left In: 0.002 $\pm$ 0.000 χ^2/NDF :10766932.4/22

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 $\chi^2/\text{NDF}: 45.0/28$

Left Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 22.8/24$

Right Out: -0.013 ± 0.010 $\chi^2/\text{NDF}: 24.1/33$

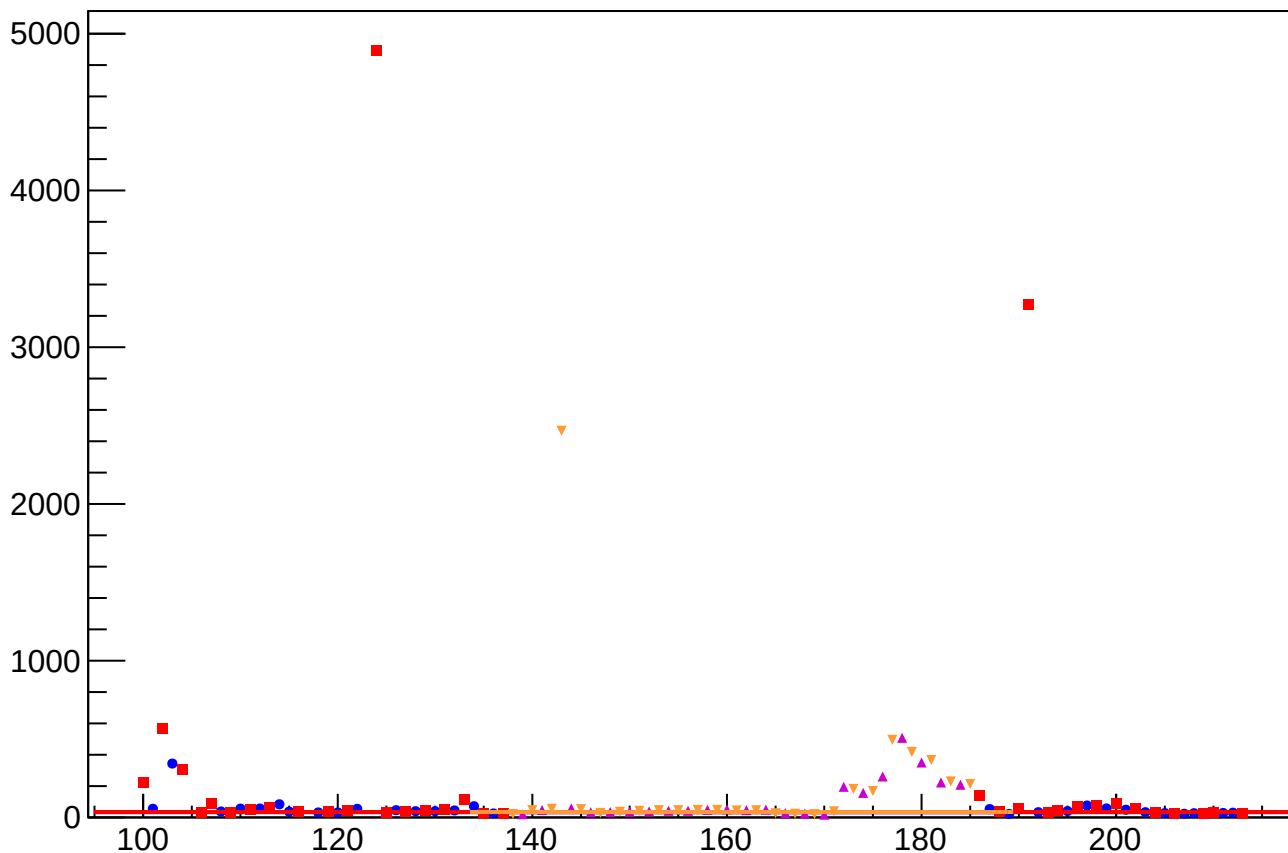
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 14.8/22$

+ sign 0.016 ± 0.007 $\chi^2/\text{NDF}: 68.7/53$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 113.9/110$

- sign -0.002 ± 0.007 $\chi^2/\text{NDF}: 41.6/56$

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.607 $\pm$ 0.007 χ^2 /NDF: 3625148.8/28

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484085.5/33

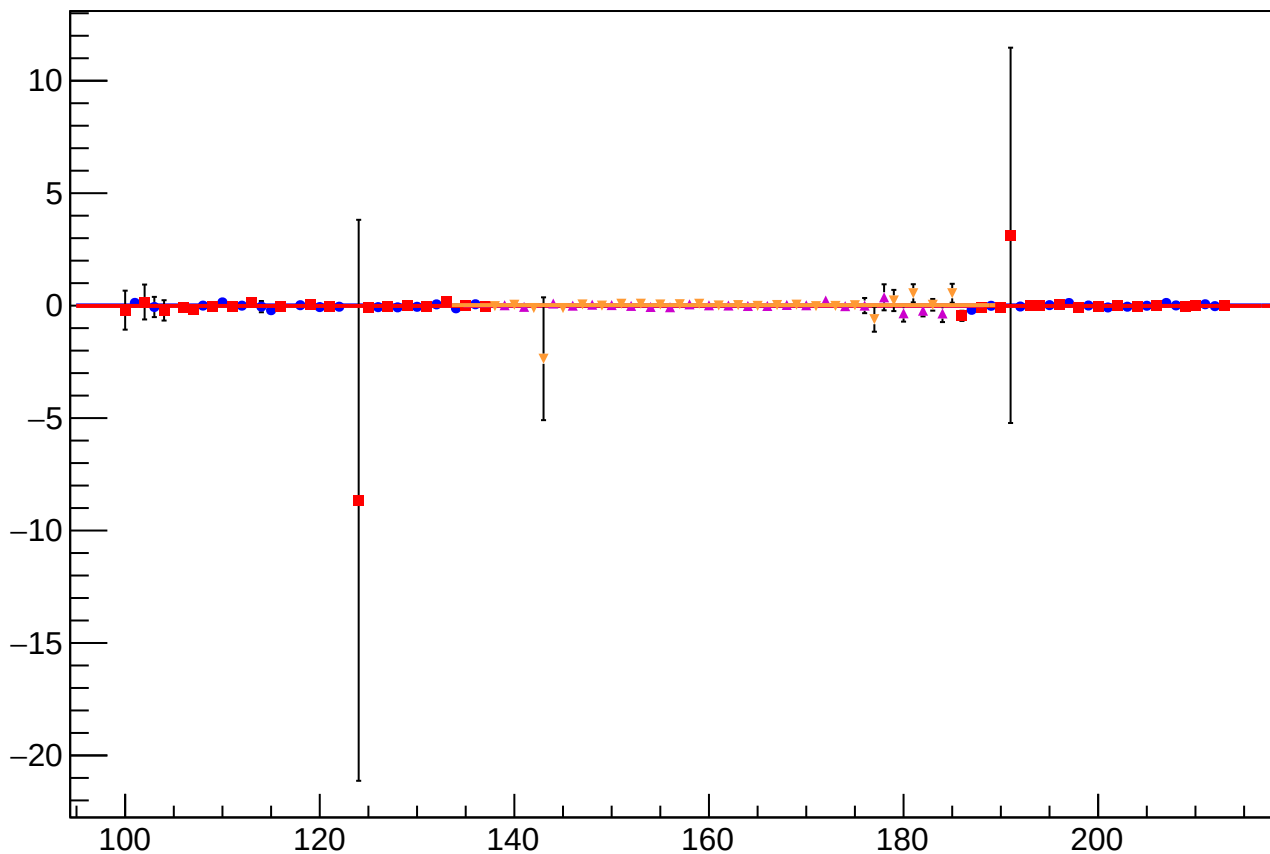
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.069 $\pm$ 0.005 χ^2 /NDF: 15038517.1/53

All: 34.152 $\pm$ 0.003 χ^2 /NDF: 31605514.4/110

- sign 34.235 $\pm$ 0.005 χ^2 /NDF: 16566411.8/56

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.009 χ^2/NDF : 45.0/28

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.013 ± 0.010 χ^2/NDF : 24.1/33

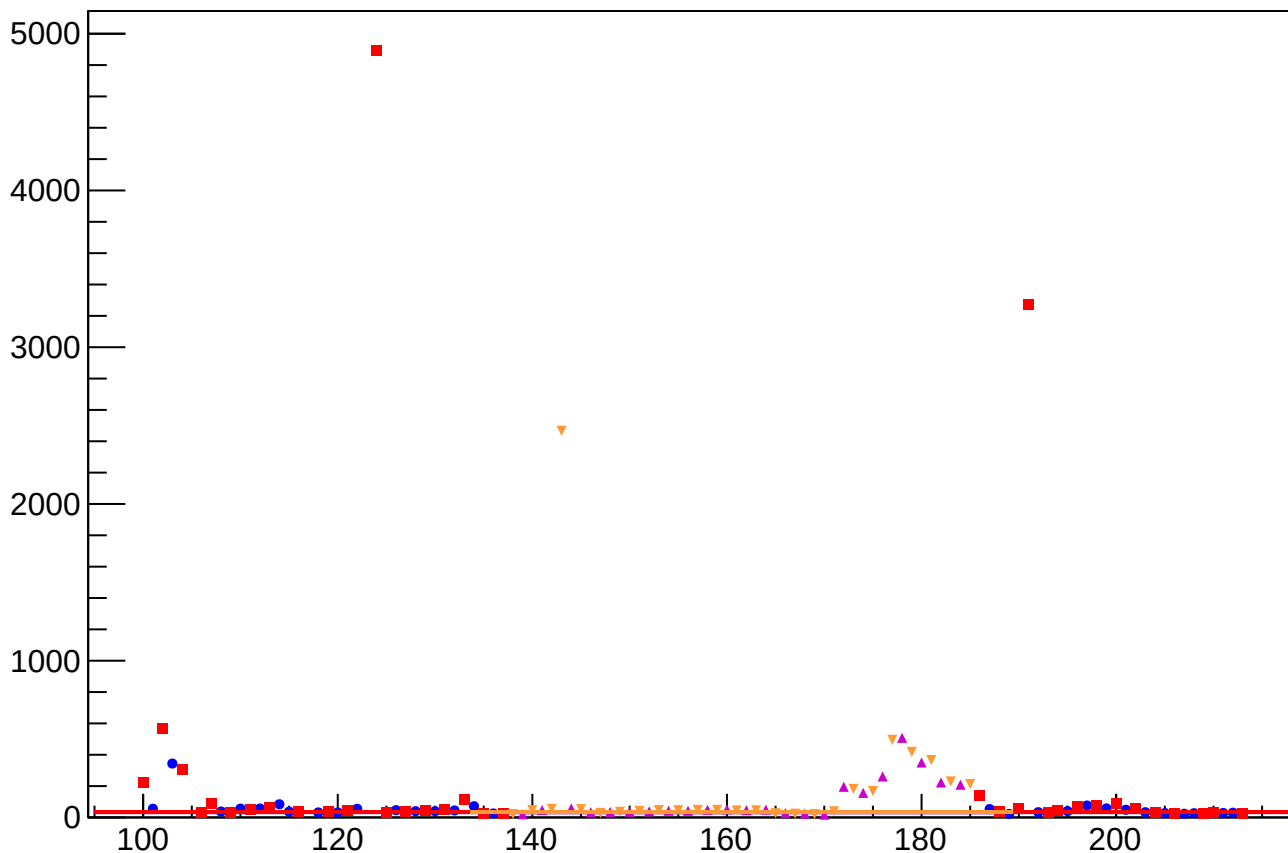
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.016 ± 0.007 χ^2/NDF : 68.7/53

All: 0.007 ± 0.005 χ^2/NDF : 113.9/110

- sign -0.002 ± 0.007 χ^2/NDF : 41.6/56

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.607 $\pm$ 0.007 χ^2 /NDF: 3625148.8/28

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 34.838 $\pm$ 0.007 χ^2 /NDF: 6484085.5/33

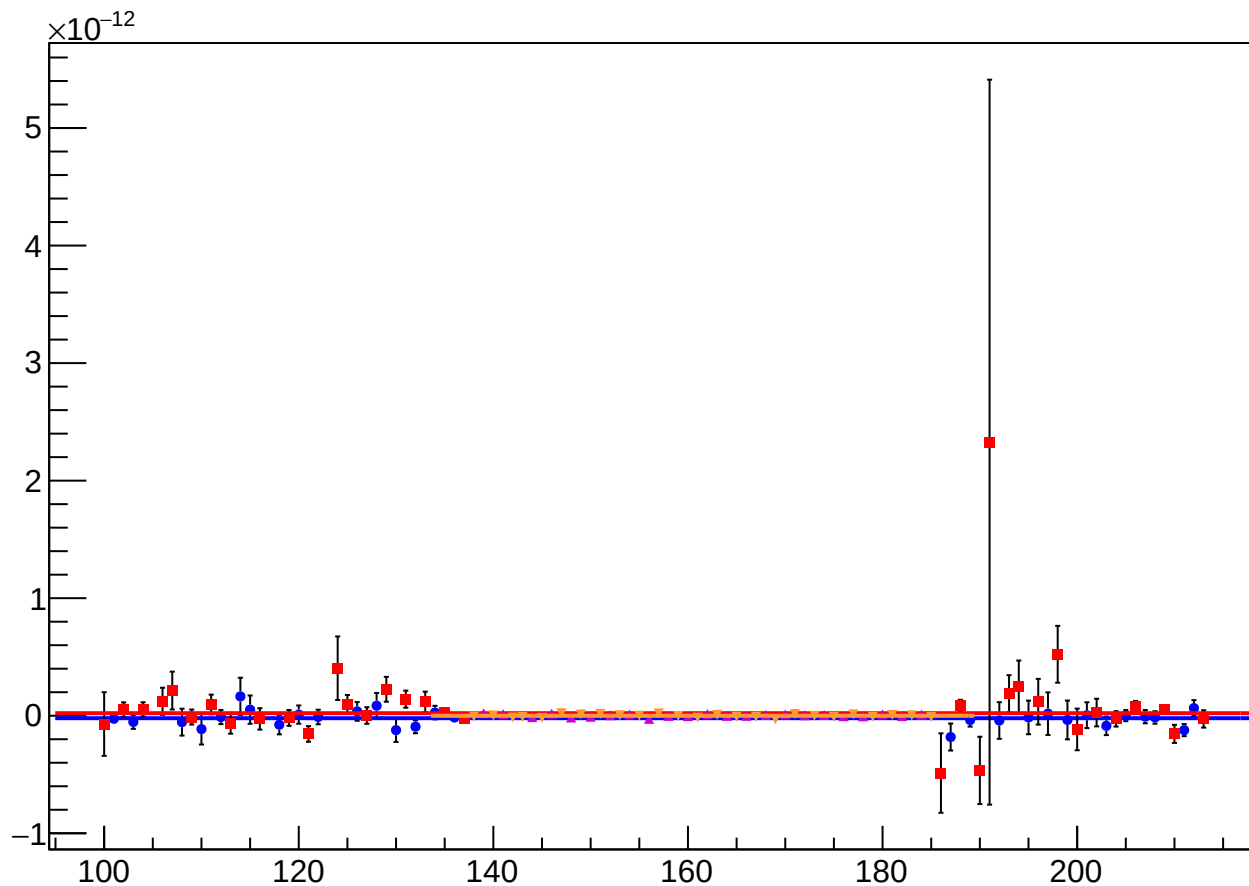
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.069 $\pm$ 0.005 χ^2 /NDF: 15038517.1/53

All: 34.152 $\pm$ 0.003 χ^2 /NDF: 31605514.4/110

- sign 34.235 $\pm$ 0.005 χ^2 /NDF: 16566411.8/56

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 17.0/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 26.0/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 50.6/33

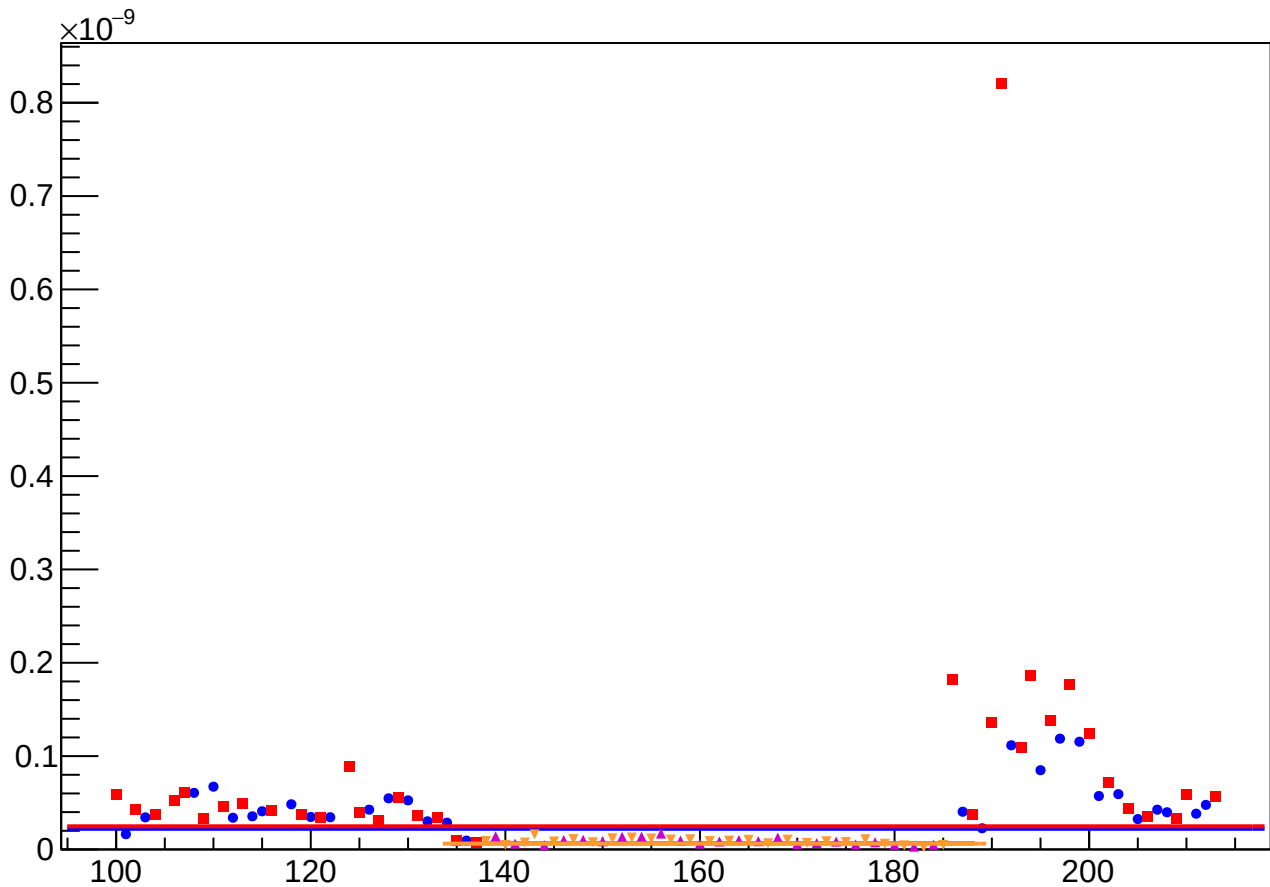
Left In: 0.000+/-0.000 χ^2 /NDF: 20.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 48.3/53

All: 0.000+/-0.000 χ^2 /NDF: 124.8/110

- sign 0.000+/-0.000 χ^2 /NDF: 74.3/56

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7778510.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10494220.0/33

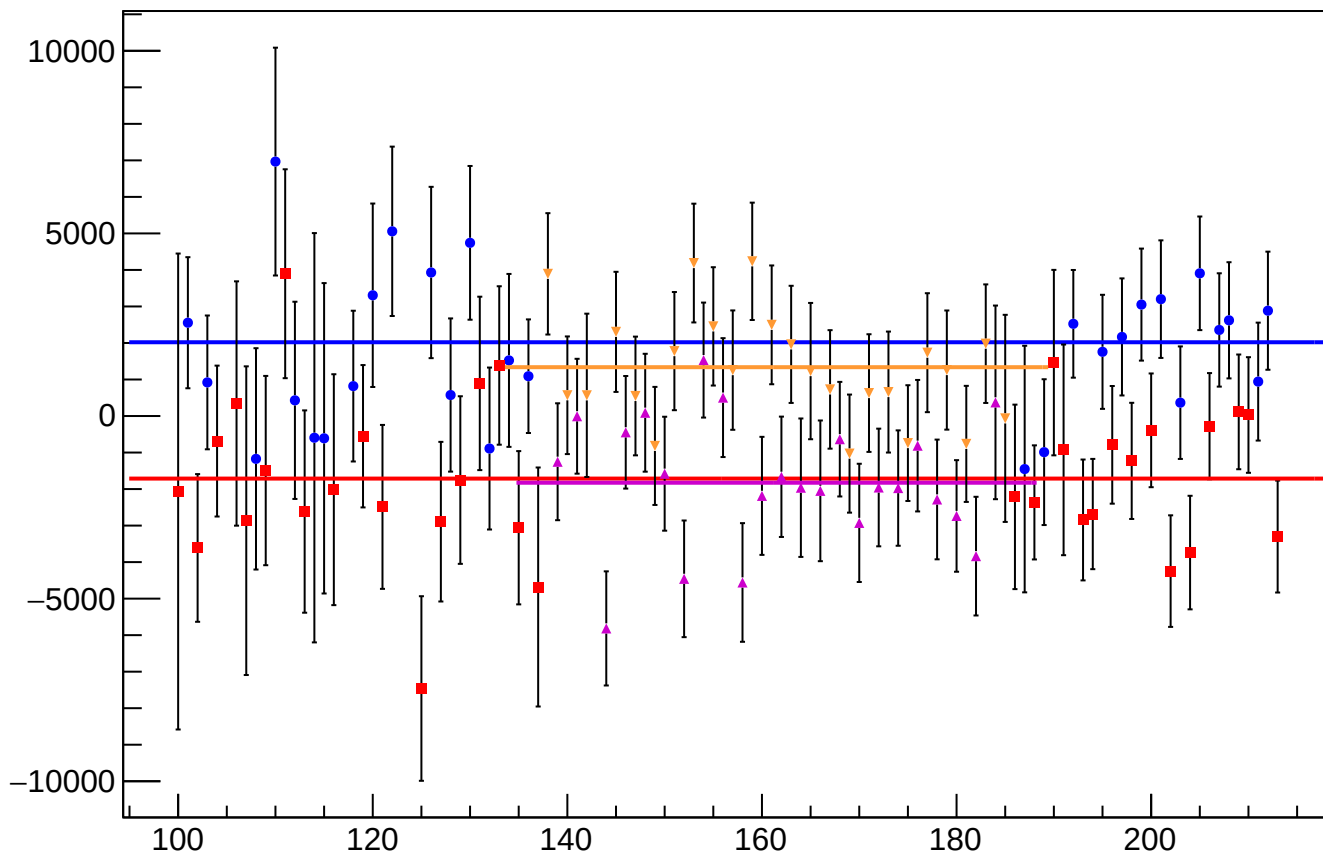
Left In: 0.000+/-0.000 χ^2/NDF : 3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 18983167.1/53

All: 0.000+/-0.000 χ^2/NDF : 40214400.3/110

- sign 0.000+/-0.000 χ^2/NDF : 21205226.3/56

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2020.032 $\pm$ 356.362 χ^2 /NDF: 20.3/28

Left Out: 1337.008 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1712.894 $\pm$ 347.898 χ^2 /NDF: 28.9/32

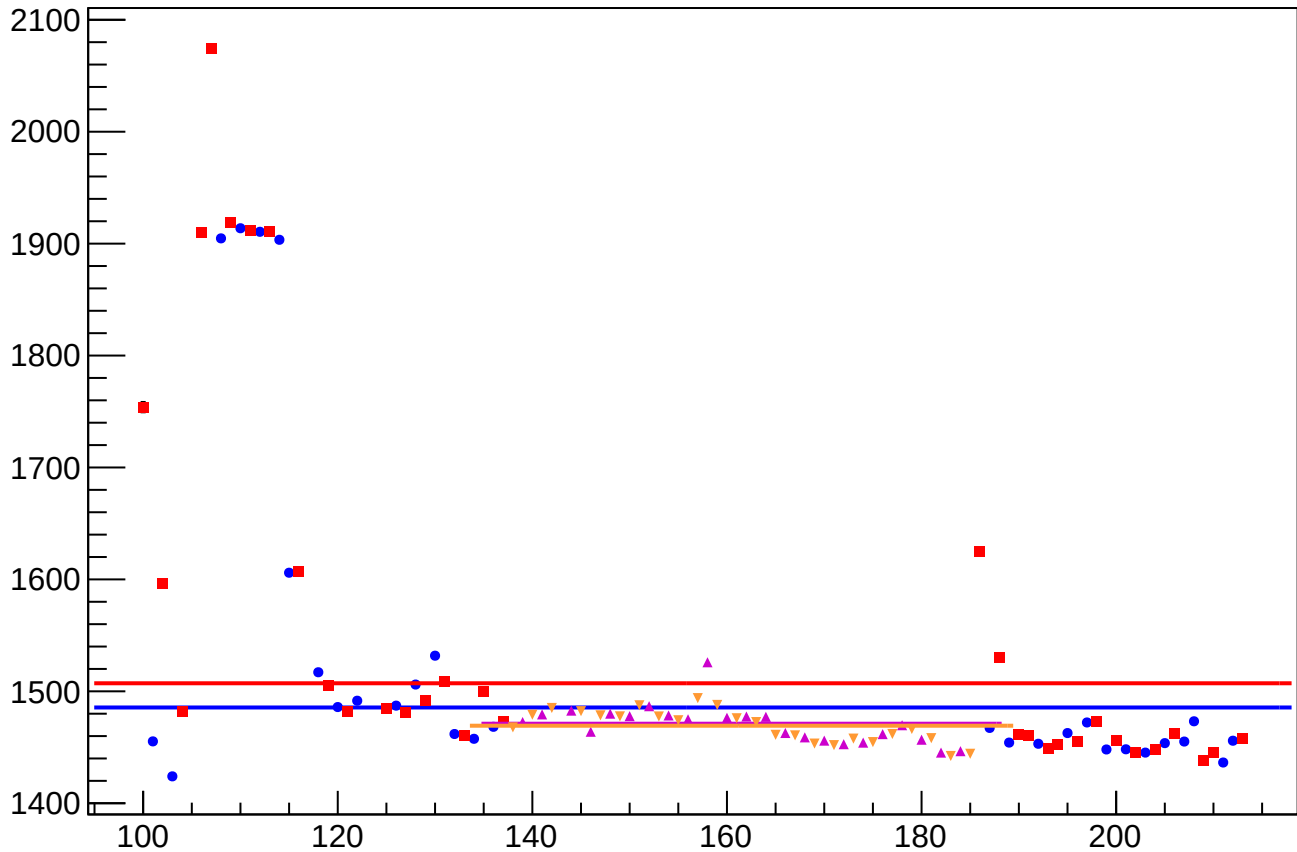
Left In: -1826.599 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1663.493 $\pm$ 246.380 χ^2 /NDF: 41.4/52

All: -67.168 $\pm$ 173.522 χ^2 /NDF: 194.7/108

- sign -1770.472 $\pm$ 244.425 χ^2 /NDF: 55.4/55

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1485.558 $\pm$ 0.252 χ^2 /NDF: 153457.1/28

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1507.191 $\pm$ 0.246 χ^2 /NDF: 242434.7/32

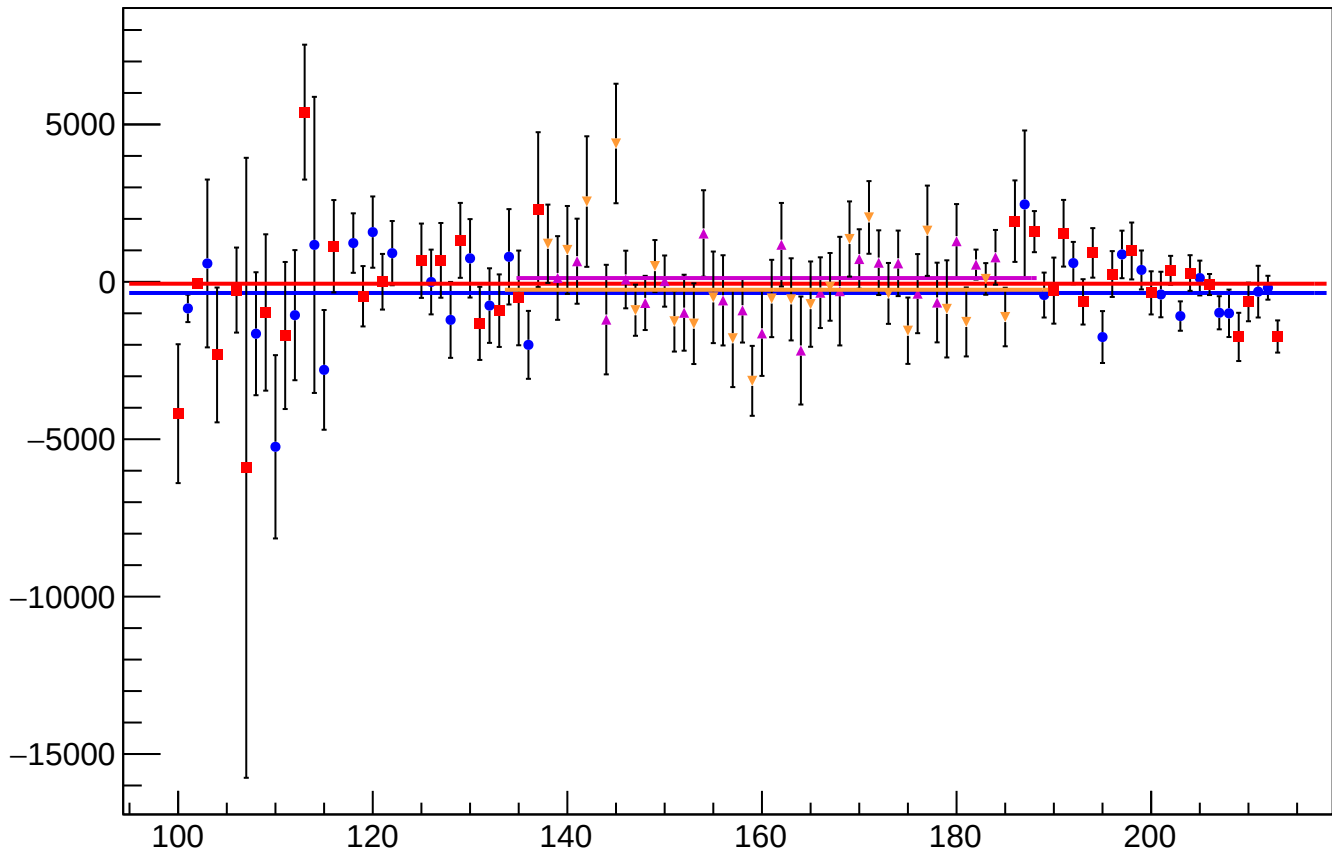
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1477.054 $\pm$ 0.174 χ^2 /NDF: 158794.3/52

All: 1483.020 $\pm$ 0.123 χ^2 /NDF: 419125.3/108

- sign 1488.891 $\pm$ 0.173 χ^2 /NDF: 258004.2/55

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -353.874 ± 145.467 χ^2/NDF : 34.1/28

Left Out: -251.610 ± 218.369 χ^2/NDF : 32.7/23

Right Out: -59.645 ± 100.079 χ^2/NDF : 50.5/32

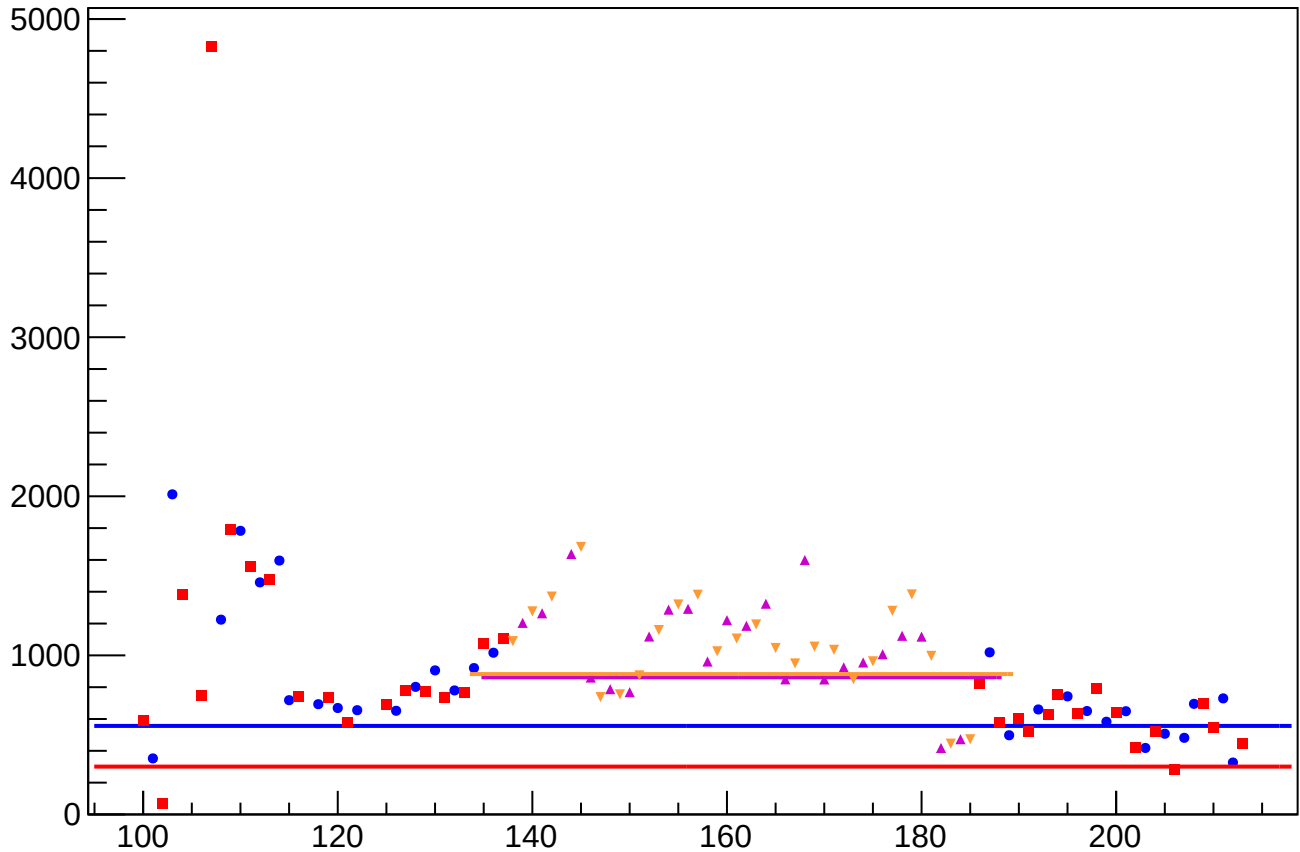
Left In: 119.802 ± 215.975 χ^2/NDF : 12.8/22

+ sign -322.442 ± 121.064 χ^2/NDF : 67.0/52

All: -133.959 ± 72.641 χ^2/NDF : 134.7/108

- sign -27.925 ± 90.804 χ^2/NDF : 63.9/55

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 556.548+/-0.103 χ^2/NDF : 4437534.2/28

Left Out: 882.430+/-0.154 χ^2/NDF : 3901279.8/23

Right Out: 300.779+/-0.071 χ^2/NDF : 16700412.1/32

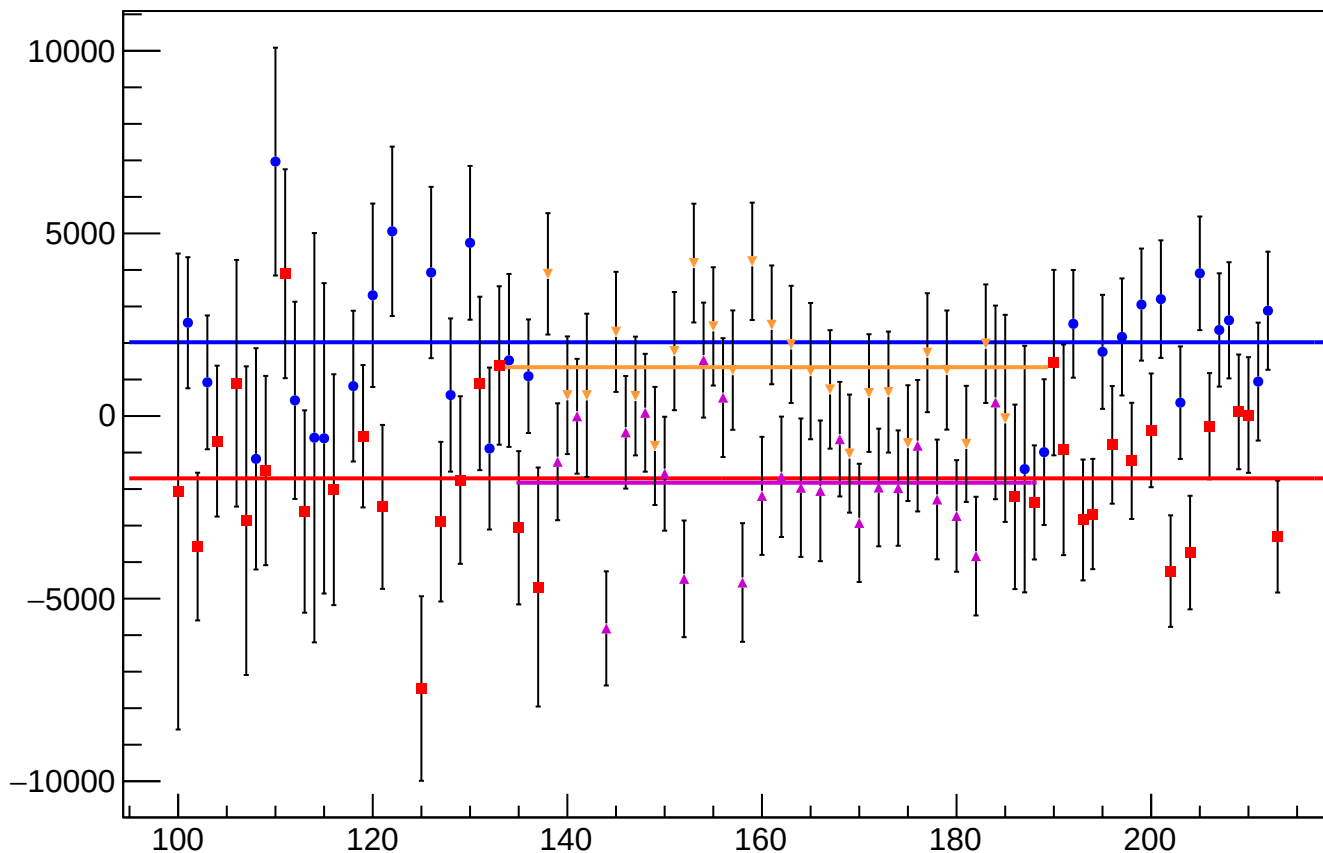
Left In: 862.298+/-0.153 χ^2/NDF : 4369416.2/22

+ sign 656.711+/-0.086 χ^2/NDF : 11423955.5/52

All: 492.446+/-0.051 χ^2/NDF : 49376684.5/10

- sign 400.036+/-0.064 χ^2/NDF : 32199314.5/55

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2020.130 ± 356.362 $\chi^2/\text{NDF}: 20.3/28$

Left Out: 1337.018 ± 341.012 $\chi^2/\text{NDF}: 19.2/23$

Right Out: -1706.298 ± 347.935 $\chi^2/\text{NDF}: 29.1/32$

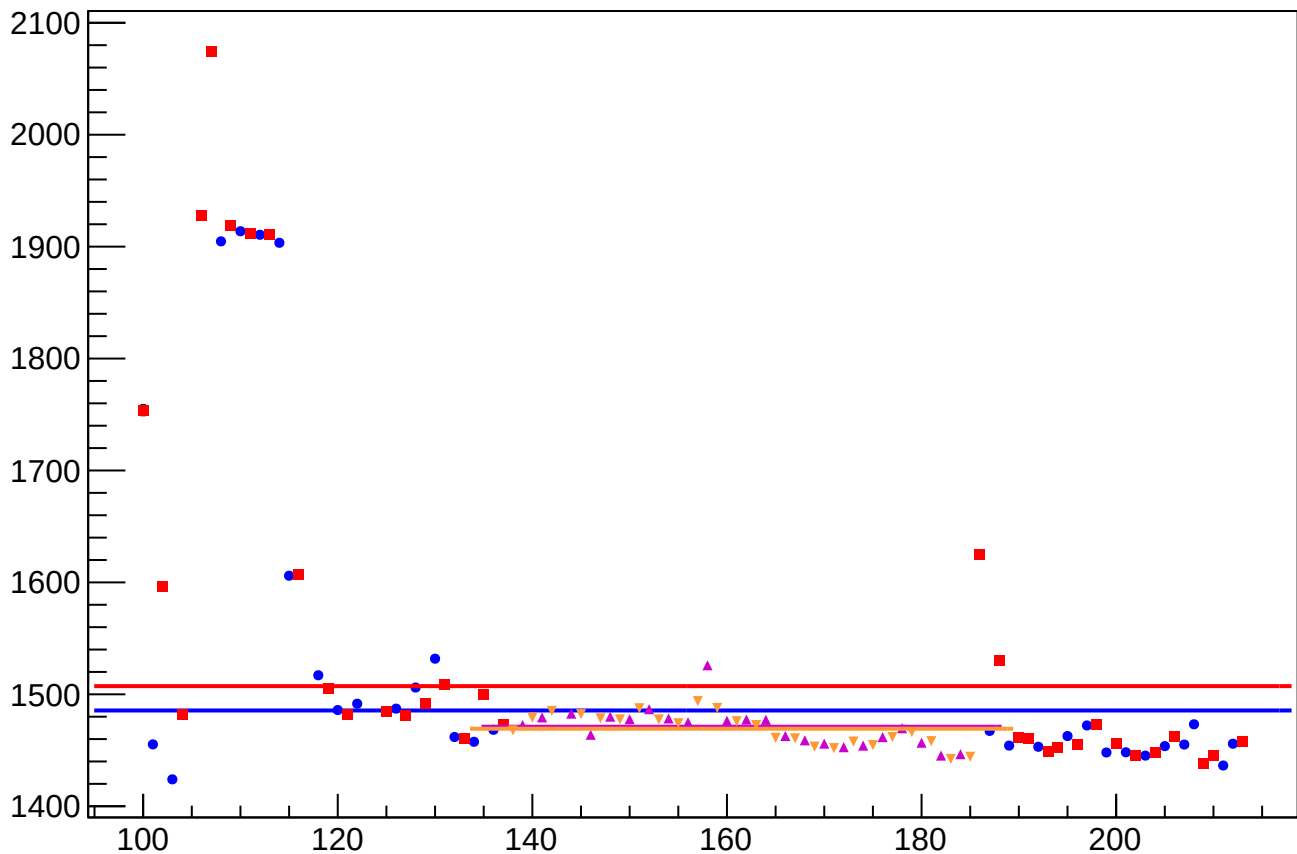
Left In: -1826.644 ± 343.483 $\chi^2/\text{NDF}: 26.5/22$

+ sign 1663.545 ± 246.380 $\chi^2/\text{NDF}: 41.4/52$

All: -65.425 ± 173.526 $\chi^2/\text{NDF}: 194.7/108$

- sign -1767.246 ± 244.438 $\chi^2/\text{NDF}: 55.6/55$

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1485.558 $\pm$ 0.252 χ^2 /NDF: 153457.1/28

Left Out: 1469.267 $\pm$ 0.241 χ^2 /NDF:3155.3/23

Right Out: 1507.307 $\pm$ 0.246 χ^2 /NDF: 244546.6/32

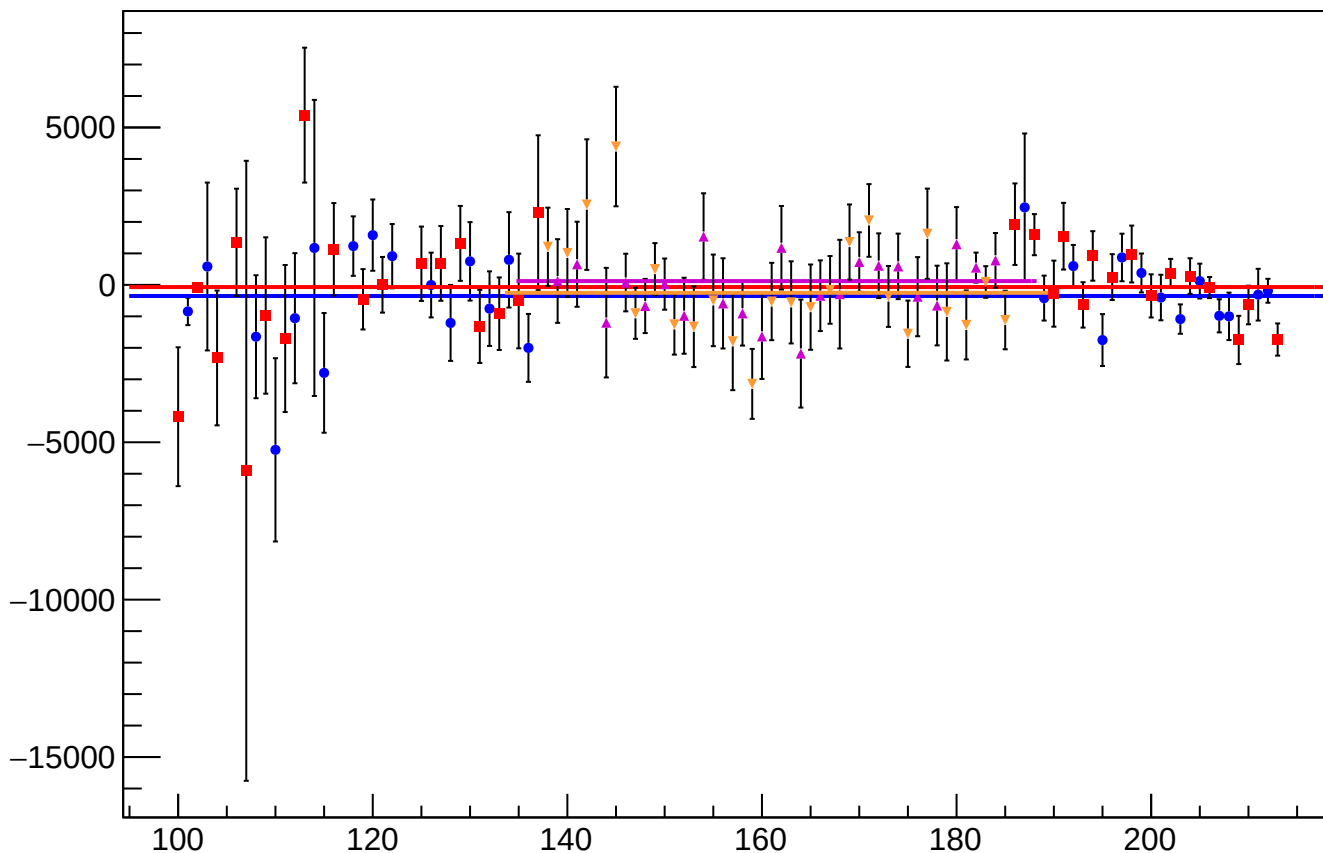
Left In: 1471.054 $\pm$ 0.243 χ^2 /NDF:4642.4/22

+ sign 1477.054 $\pm$ 0.174 χ^2 /NDF: 158794.3/52

All: 1483.048 $\pm$ 0.123 χ^2 /NDF: 421328.6/108

- sign 1488.947 $\pm$ 0.173 χ^2 /NDF: 260185.6/55

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -353.868 ± 145.464 χ^2/NDF : 34.1/28

Left Out: -251.589 ± 218.368 χ^2/NDF : 32.7/23

Right Out: -69.281 ± 104.872 χ^2/NDF : 51.2/32

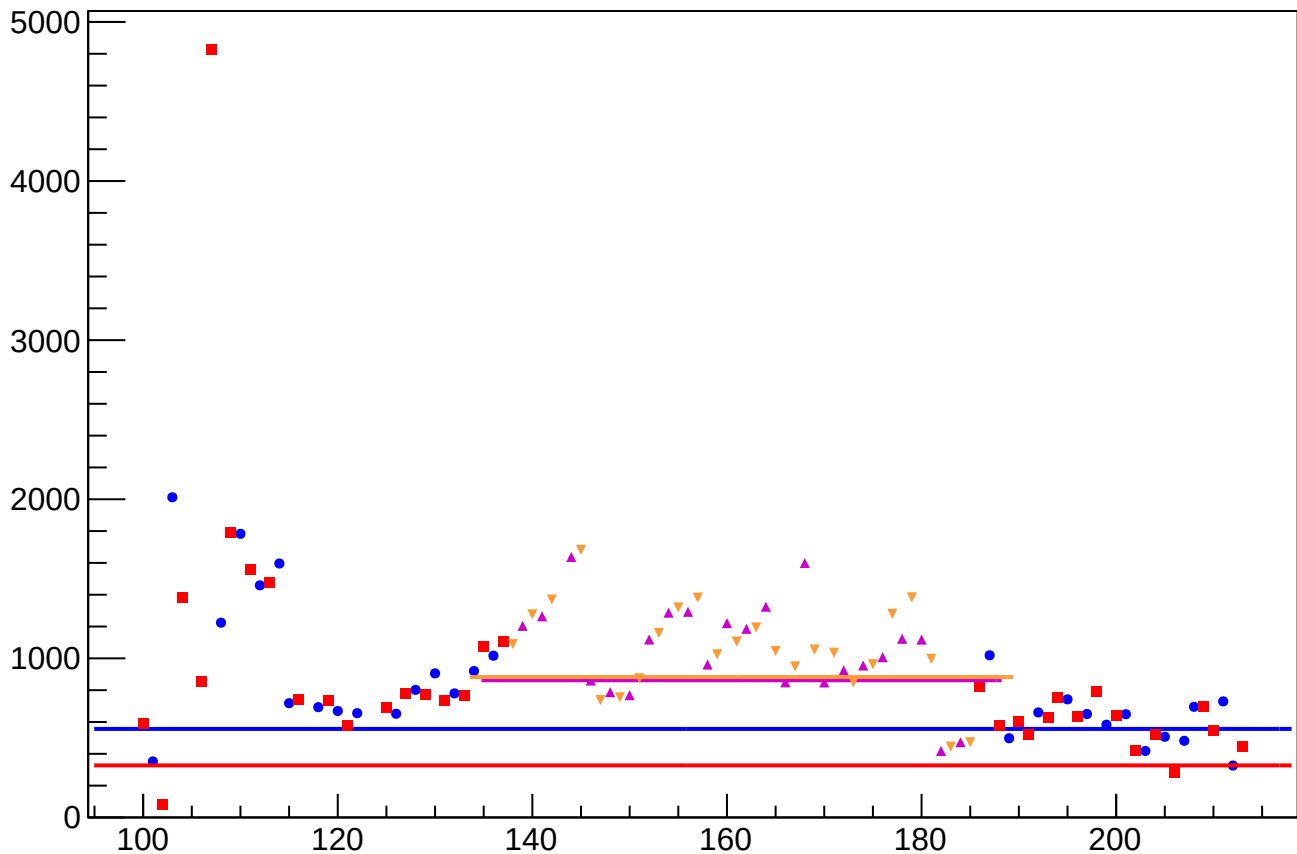
Left In: 119.845 ± 215.975 χ^2/NDF : 12.8/22

+ sign -322.432 ± 121.062 χ^2/NDF : 67.0/52

All: -142.474 ± 74.413 χ^2/NDF : 135.2/108

- sign -33.197 ± 94.339 χ^2/NDF : 64.7/55

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 556.530+/-0.103 χ^2/NDF : 4438055.8/28

Left Out: 882.419+/-0.154 χ^2/NDF : 3901620.8/23

Right Out: 327.217+/-0.074 χ^2/NDF : 15232004.6/32

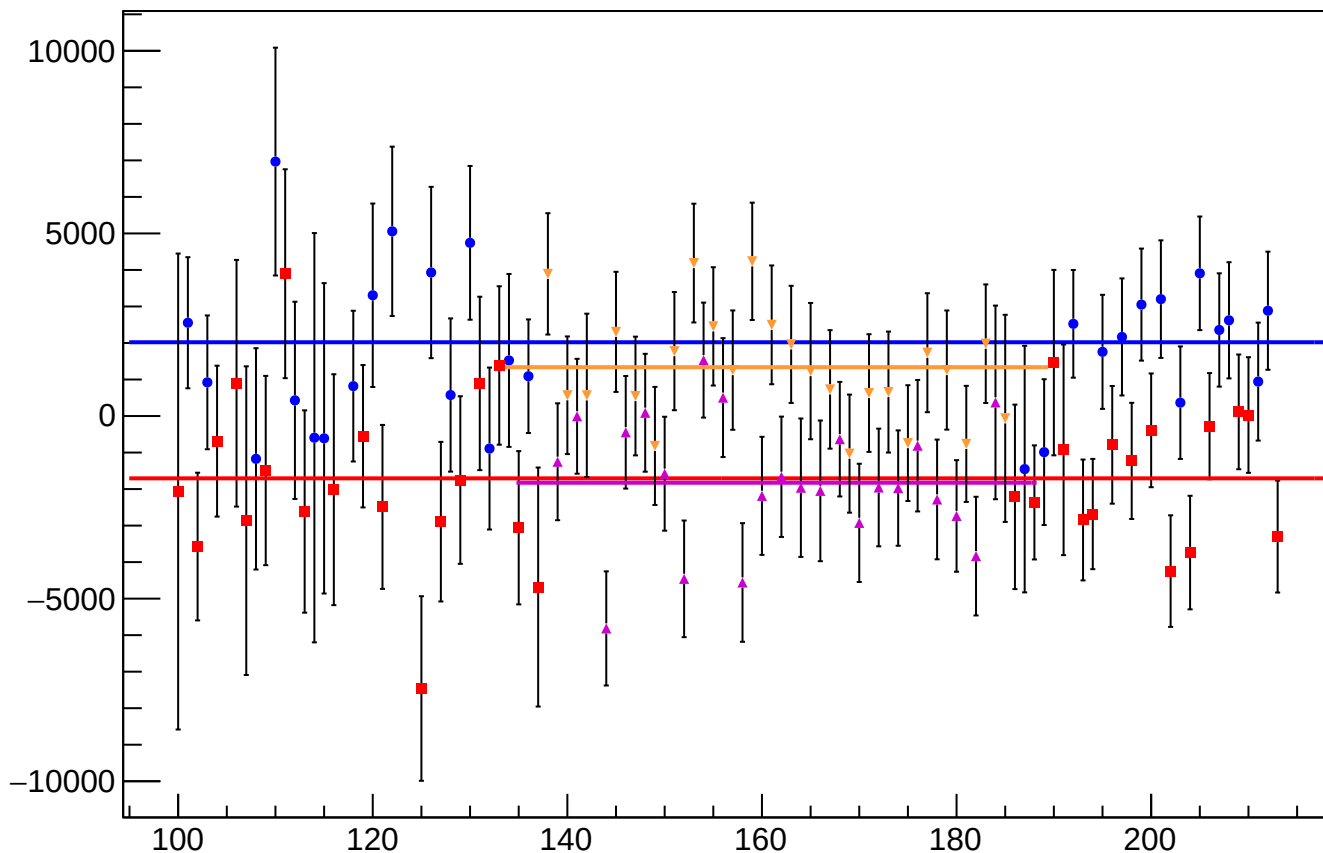
Left In: 862.300+/-0.153 χ^2/NDF : 4369426.7/22

+ sign 656.694+/-0.086 χ^2/NDF : 11425012.2/52

All: 515.219+/-0.053 χ^2/NDF : 45350241.4/10

- sign 429.309+/-0.067 χ^2/NDF : 29535340.6/55

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2020.130 $\pm$ 356.362 χ^2 /NDF: 20.3/28

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1706.298 $\pm$ 347.935 χ^2 /NDF: 29.1/32

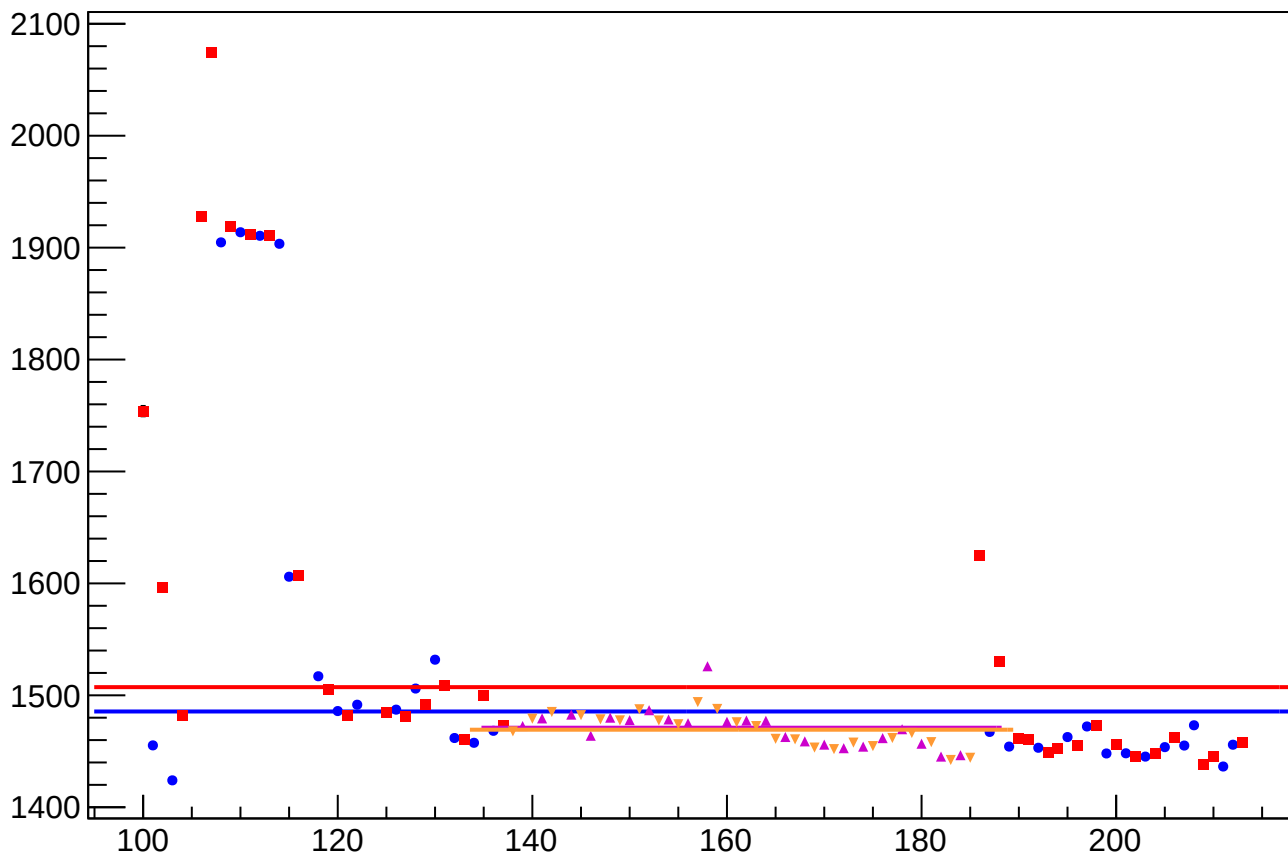
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1663.545 $\pm$ 246.380 χ^2 /NDF: 41.4/52

All: -65.425 $\pm$ 173.526 χ^2 /NDF: 194.7/108

- sign -1767.246 $\pm$ 244.438 χ^2 /NDF: 55.6/55

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1485.558 $\pm$ 0.252 χ^2/NDF : 153457.1/28

Left Out: 1469.267 $\pm$ 0.241 χ^2/NDF : 3155.3/23

Right Out: 1507.307 $\pm$ 0.246 χ^2/NDF : 244546.6/32

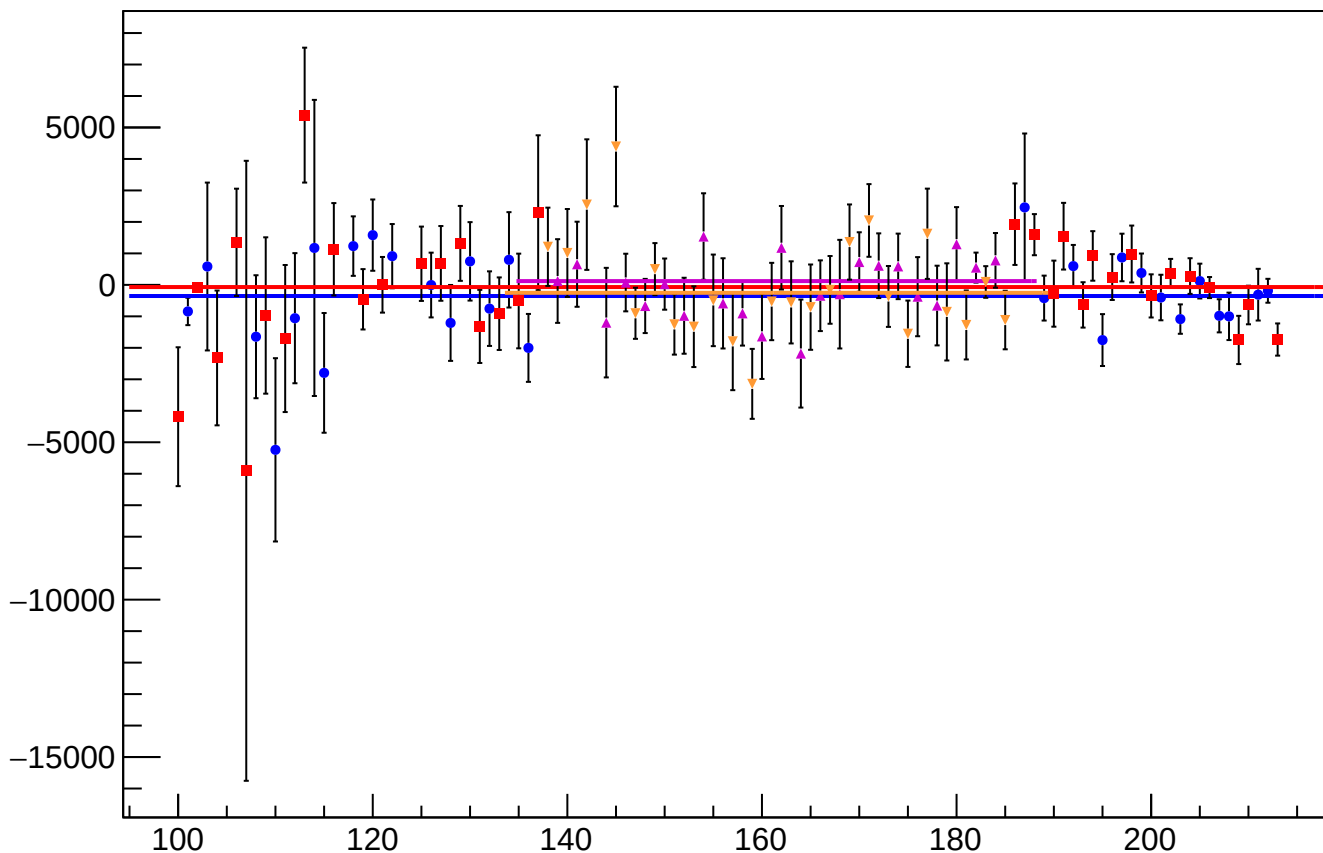
Left In: 1471.054 $\pm$ 0.243 χ^2/NDF : 4642.4/22

+ sign 1477.054 $\pm$ 0.174 χ^2/NDF : 158794.3/52

All: 1483.048 $\pm$ 0.123 χ^2/NDF : 421328.6/108

- sign 1488.947 $\pm$ 0.173 χ^2/NDF : 260185.6/55

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -353.868+/-145.464 χ^2/NDF : 34.1/28

Left Out: -251.589+/-218.368 χ^2/NDF : 32.7/23

Right Out: -69.281+/-104.872 χ^2/NDF : 51.2/32

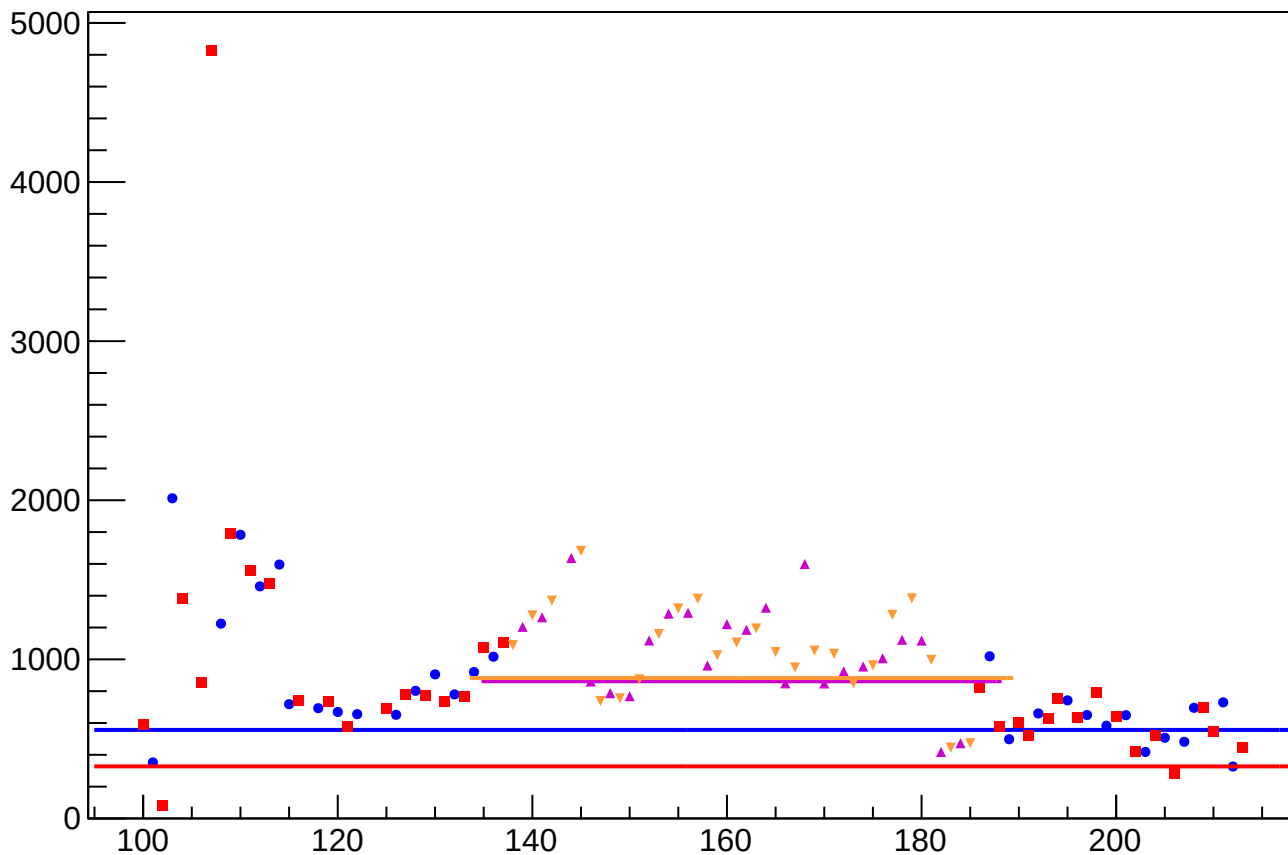
Left In: 119.845+/-215.975 χ^2/NDF : 12.8/22

+ sign -322.432+/-121.062 χ^2/NDF : 67.0/52

All: -142.474+/-74.413 χ^2/NDF : 135.2/108

- sign -33.197+/-94.339 χ^2/NDF : 64.7/55

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 556.530 $\pm$ 0.103 χ^2/NDF : 4438055.8/28

Left Out: 882.419 $\pm$ 0.154 χ^2/NDF : 3901620.8/23

Right Out: 327.217 $\pm$ 0.074 χ^2/NDF : 15232004.6/32

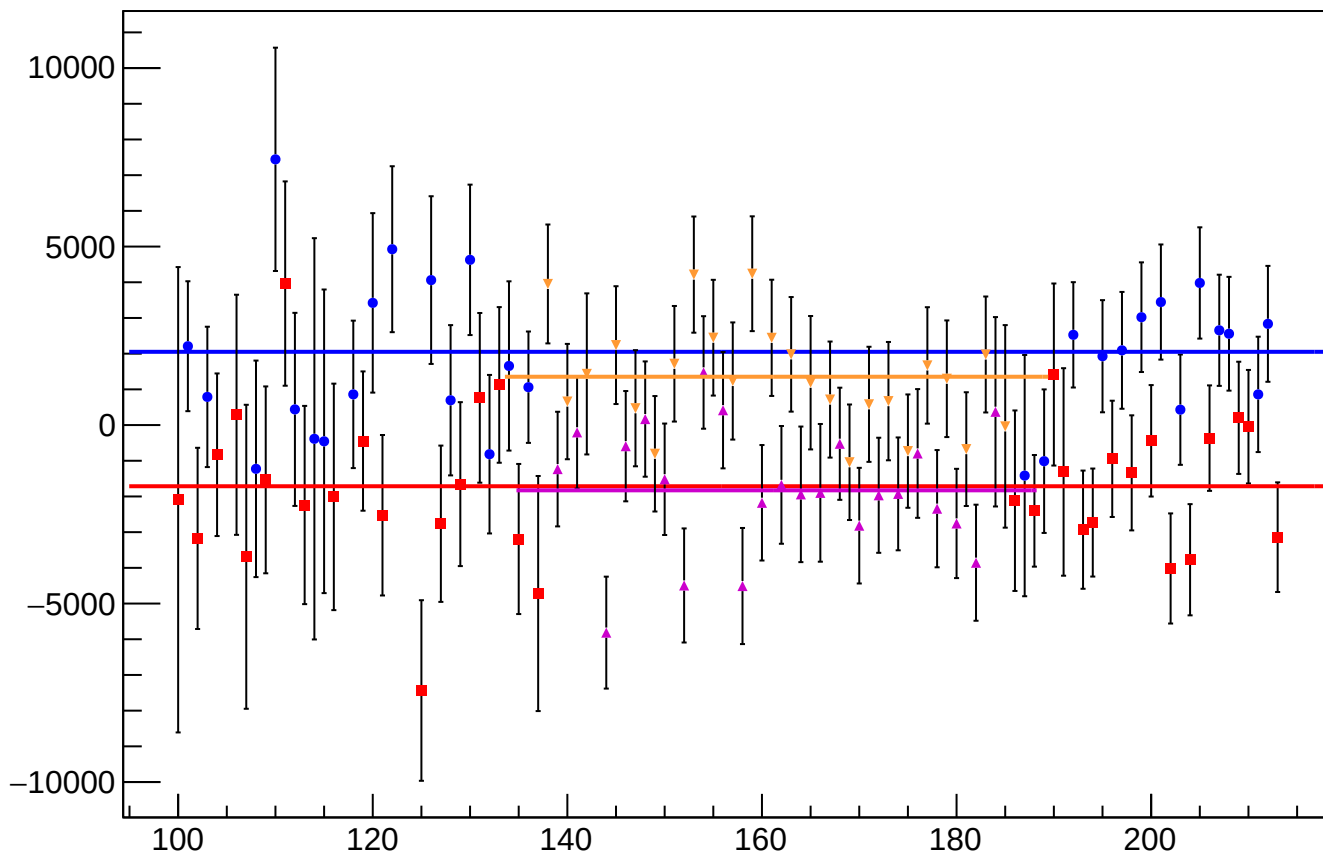
Left In: 862.300 $\pm$ 0.153 χ^2/NDF : 4369426.7/22

+ sign 656.694 $\pm$ 0.086 χ^2/NDF : 11425012.2/52

All: 515.219 $\pm$ 0.053 χ^2/NDF : 45350241.4/10

- sign 429.309 $\pm$ 0.067 χ^2/NDF : 29535340.6/55

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.945 $\pm$ 358.572 χ^2 /NDF: 20.6/28

Left Out: 1353.686 $\pm$ 341.570 χ^2 /NDF:18.9/23

Right Out: -1713.747 $\pm$ 352.223 χ^2 /NDF: 27.0/32

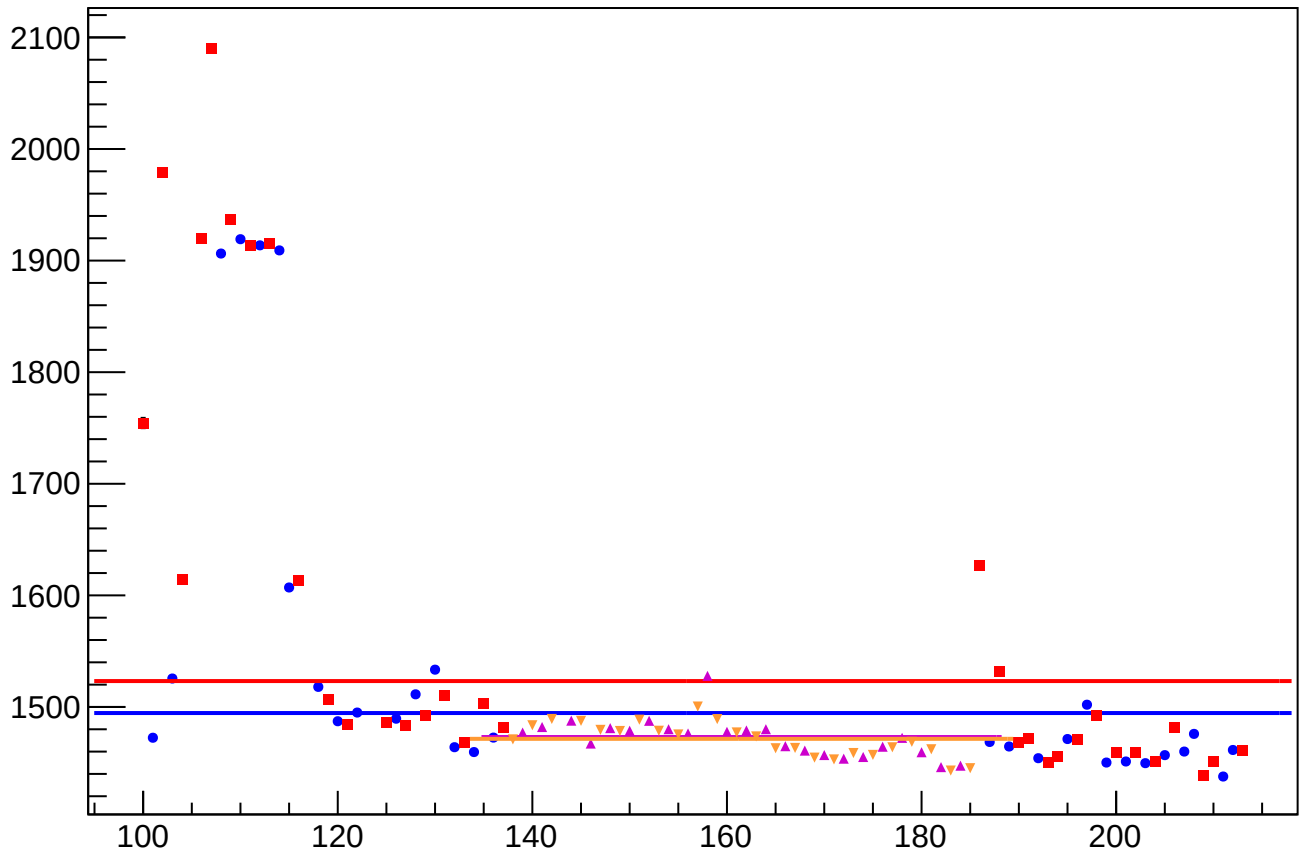
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF:25.8/22

+ sign 1685.869 $\pm$ 247.318 χ^2 /NDF: 41.6/52

All: -51.903 $\pm$ 174.442 χ^2 /NDF: 192.7/108

- sign -1772.358 $\pm$ 246.083 χ^2 /NDF: 52.9/55

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1494.553 $\pm$ 0.254 χ^2 /NDF: 150235.7/28

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF:3436.8/23

Right Out: 1523.204 $\pm$ 0.249 χ^2 /NDF: 307815.0/32

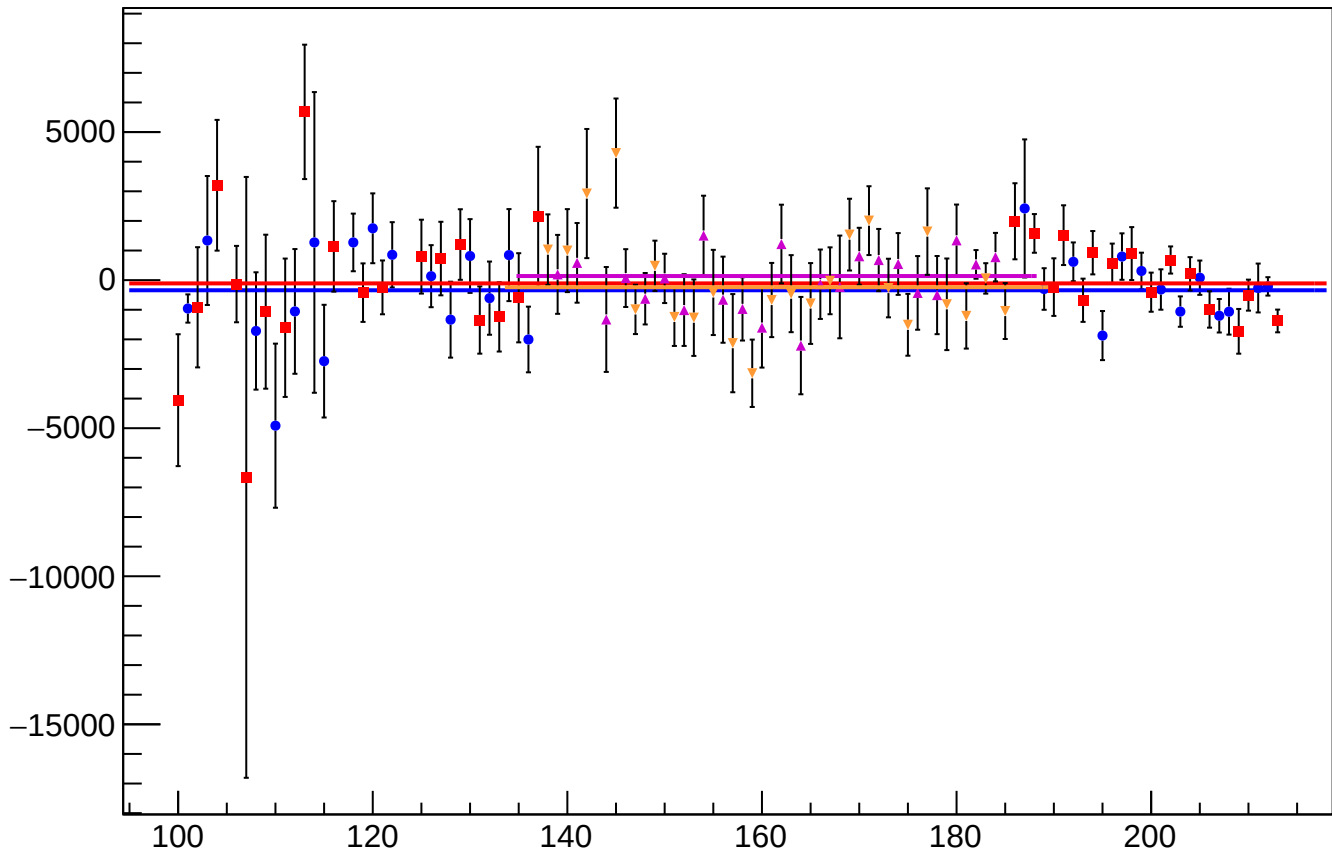
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF:4751.3/22

+ sign 1482.434 $\pm$ 0.175 χ^2 /NDF: 158030.2/52

All: 1490.020 $\pm$ 0.123 χ^2 /NDF: 495099.3/108

- sign 1497.530 $\pm$ 0.174 χ^2 /NDF: 333324.4/55

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -342.340 ± 144.394 χ^2/NDF : 35.0/28

Left Out: -240.267 ± 221.787 χ^2/NDF : 32.4/23

Right Out: -110.015 ± 147.758 χ^2/NDF : 57.6/32

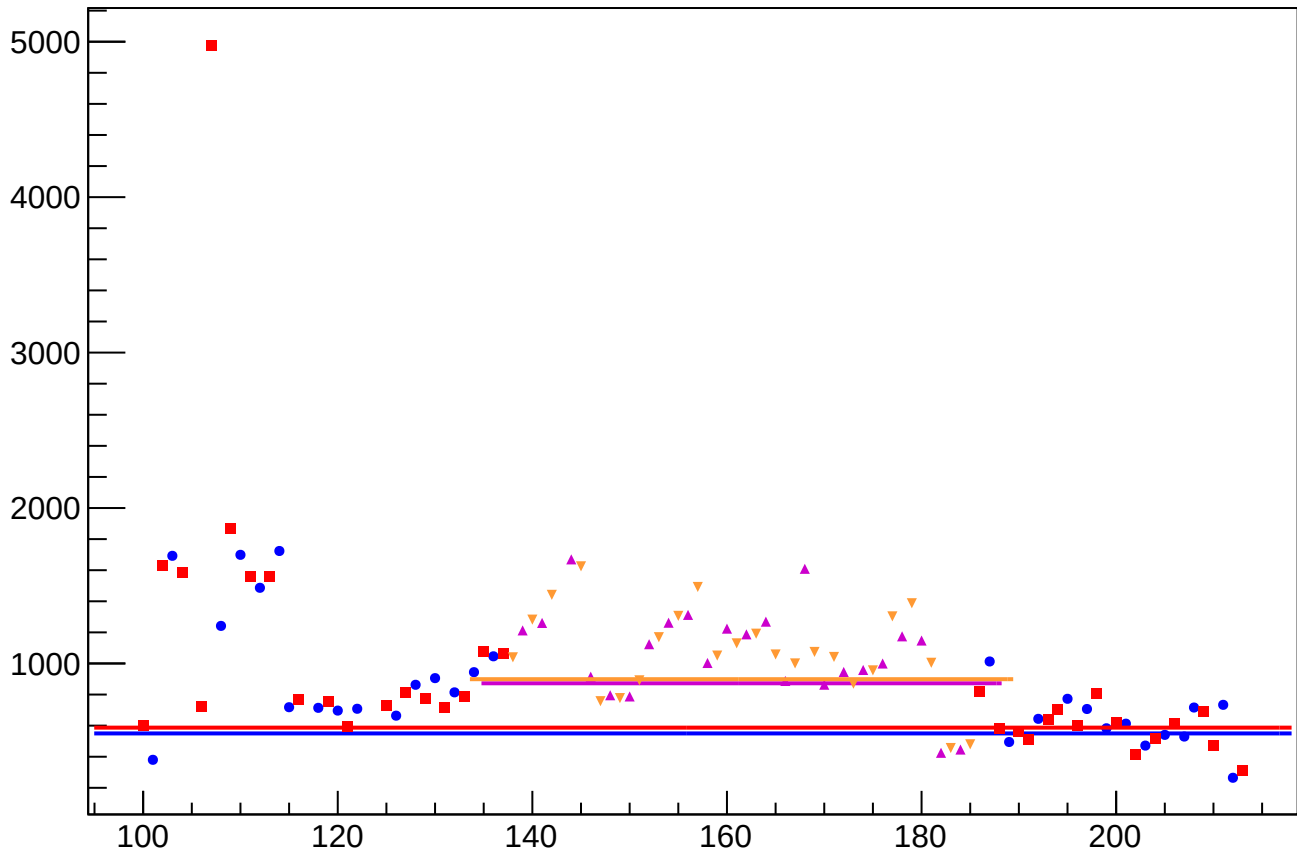
Left In: 138.421 ± 218.478 χ^2/NDF : 13.0/22

+ sign -311.955 ± 121.008 χ^2/NDF : 67.6/52

All: -173.594 ± 86.052 χ^2/NDF : 141.7/108

- sign -32.045 ± 122.395 χ^2/NDF : 71.5/55

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 549.903+/-0.102 χ^2/NDF : 5271107.9/28

Left Out: 898.849+/-0.157 χ^2/NDF : 3791528.8/23

Right Out: 587.151+/-0.104 χ^2/NDF : 4850204.4/32

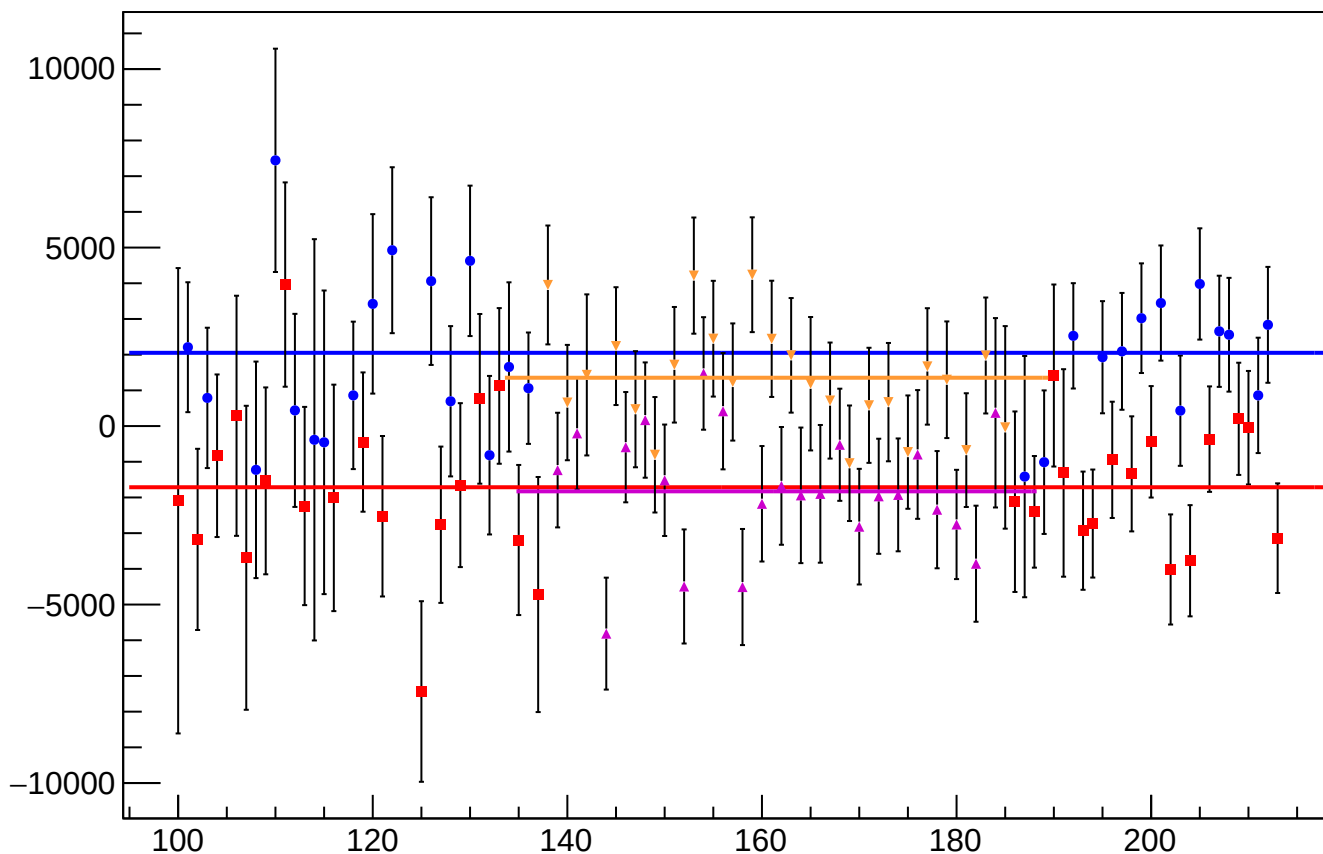
Left In: 872.472+/-0.154 χ^2/NDF : 4435516.3/22

+ sign 653.779+/-0.086 χ^2/NDF : 12539640.0/52

All: 665.107+/-0.061 χ^2/NDF : 24201305.0/10

- sign 676.697+/-0.087 χ^2/NDF : 11626202.5/55

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2051.943 $\pm$ 358.572 χ^2 /NDF: 20.6/28

Left Out: 1353.684 $\pm$ 341.570 χ^2 /NDF:18.9/23

Right Out: -1713.746 $\pm$ 352.223 χ^2 /NDF: 27.0/32

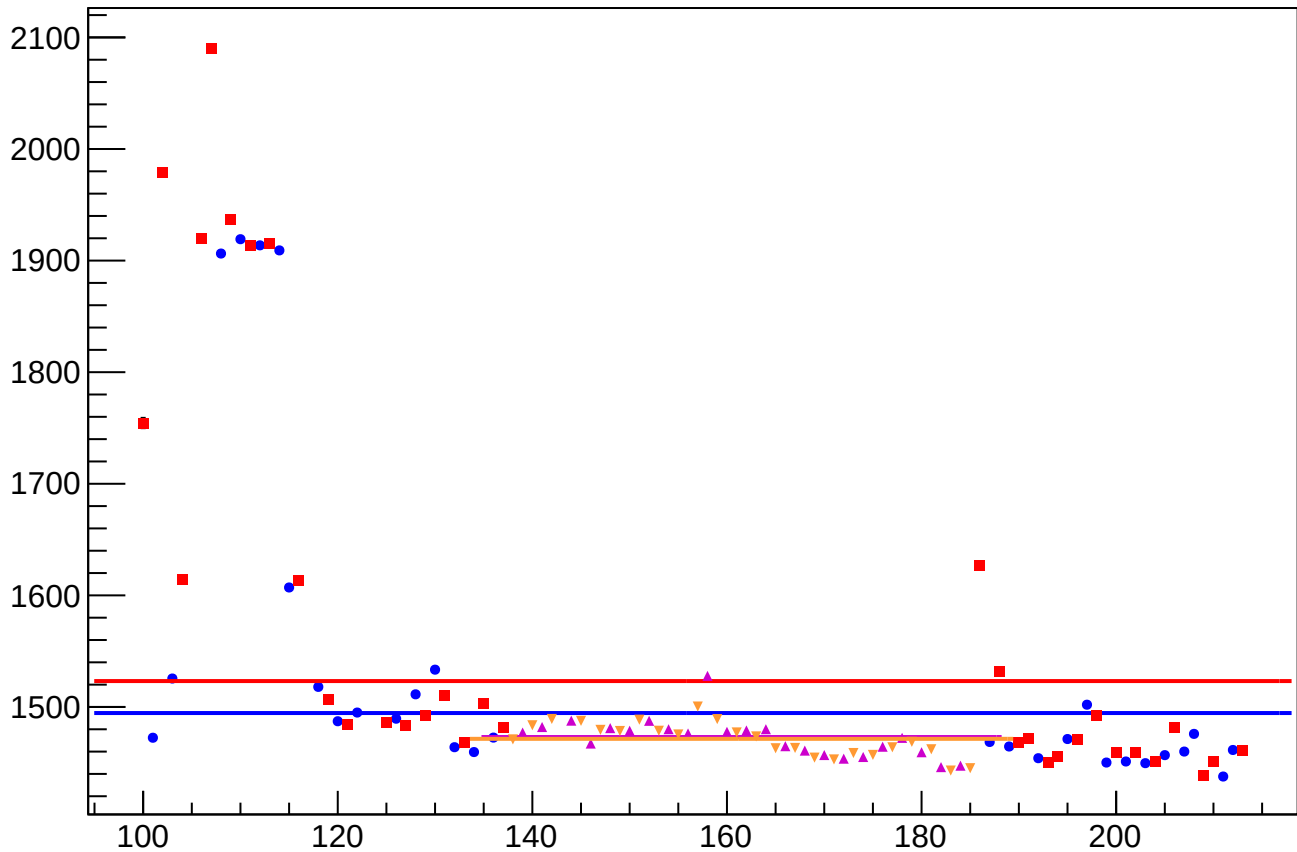
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF:25.8/22

+ sign 1685.868 $\pm$ 247.318 χ^2 /NDF: 41.6/52

All: -51.904 $\pm$ 174.442 χ^2 /NDF: 192.7/108

- sign -1772.358 $\pm$ 246.083 χ^2 /NDF: 52.9/55

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1494.553 $\pm$ 0.254 χ^2 /NDF: 150235.6/28

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF:3436.8/23

Right Out: 1523.203 $\pm$ 0.249 χ^2 /NDF: 307814.5/32

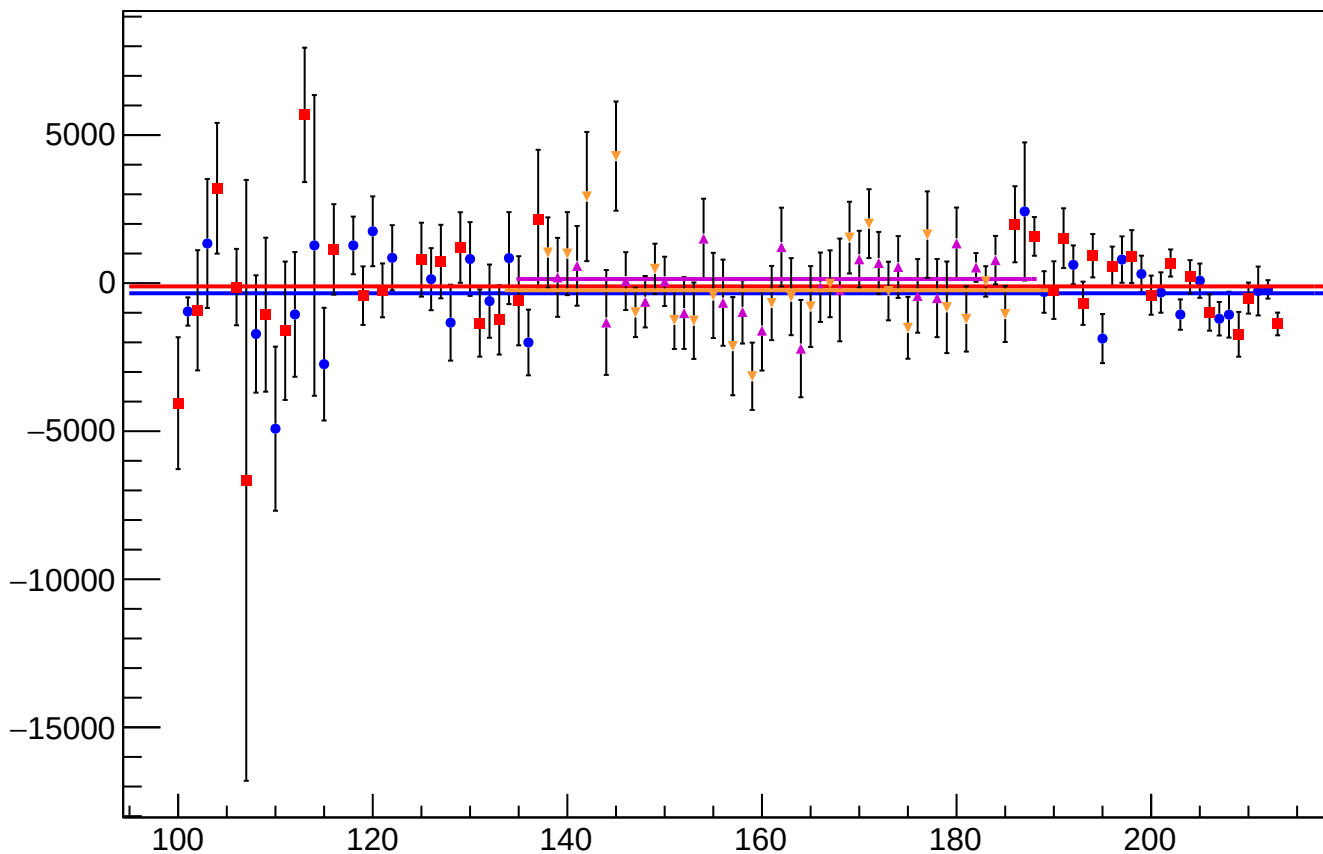
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF:4751.3/22

+ sign 1482.434 $\pm$ 0.175 χ^2 /NDF: 158030.1/52

All: 1490.020 $\pm$ 0.123 χ^2 /NDF: 495098.6/108

- sign 1497.530 $\pm$ 0.174 χ^2 /NDF: 333323.8/55

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -342.340 $\pm$ 144.394 χ^2 /NDF: 35.0/28

Left Out: -240.269 $\pm$ 221.788 χ^2 /NDF:32.4/23

Right Out: -110.015 $\pm$ 147.758 χ^2 /NDF: 57.6/32

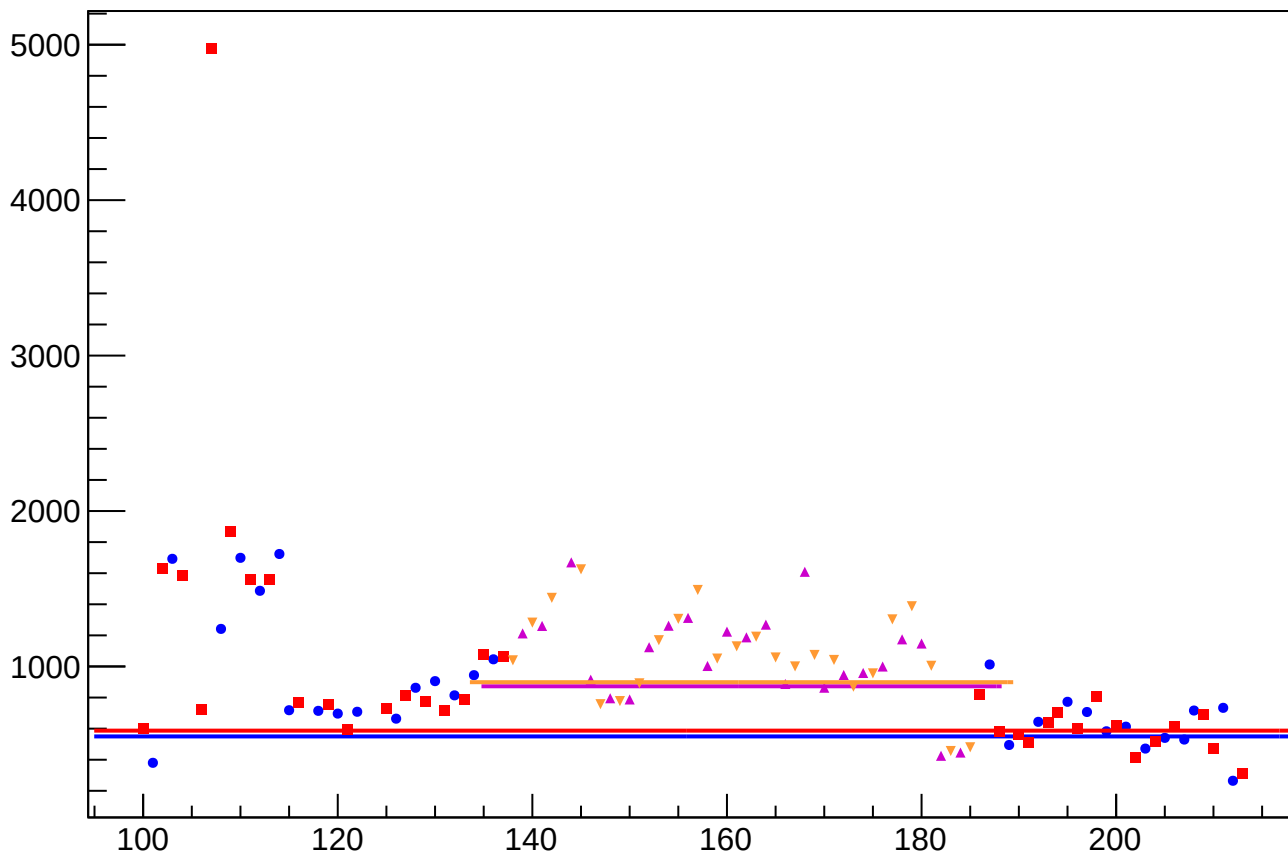
Left In: 138.421 $\pm$ 218.478 χ^2 /NDF:13.0/22

+ sign -311.955 $\pm$ 121.008 χ^2 /NDF: 67.6/52

All: -173.595 $\pm$ 86.052 χ^2 /NDF: 141.7/108

- sign -32.045 $\pm$ 122.395 χ^2 /NDF: 71.5/55

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 549.903+/-0.102 χ^2/NDF : 5271104.1/28

Left Out: 898.850+/-0.157 χ^2/NDF : 3791537.4/23

Right Out: 587.152+/-0.104 χ^2/NDF : 4850202.3/32

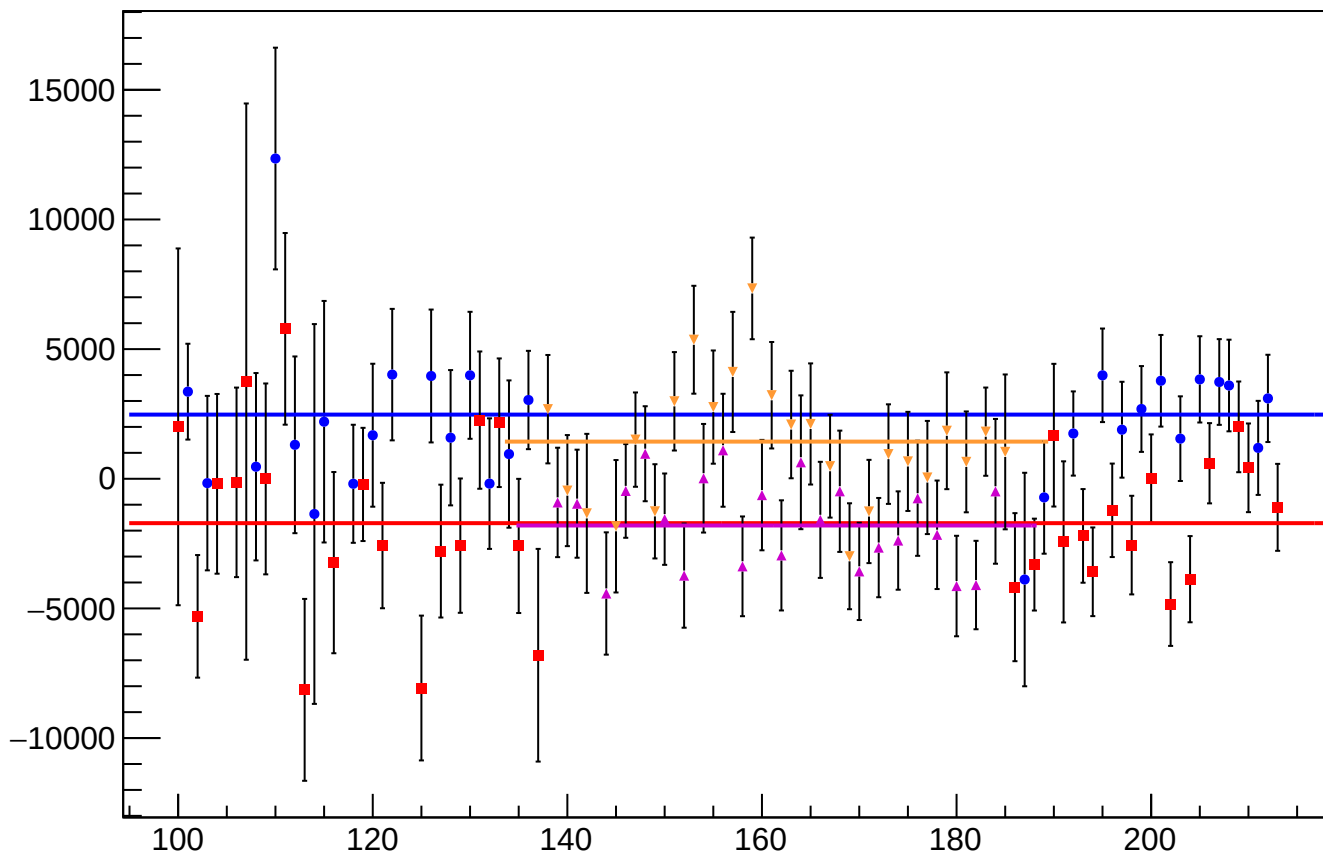
Left In: 872.473+/-0.154 χ^2/NDF : 4435524.1/22

+ sign 653.779+/-0.086 χ^2/NDF : 12539650.6/52

All: 665.108+/-0.061 χ^2/NDF : 24201327.4/10

- sign 676.698+/-0.087 χ^2/NDF : 11626214.2/55

asym_usl_atl1_avg_mean vs Slug



Right In: 2474.597 $\pm$ 402.094 χ^2 /NDF: 19.8/28

Left Out: 1433.314 $\pm$ 424.465 χ^2 /NDF:29.4/23

Right Out: -1711.781 $\pm$ 393.928 χ^2 /NDF: 43.1/32

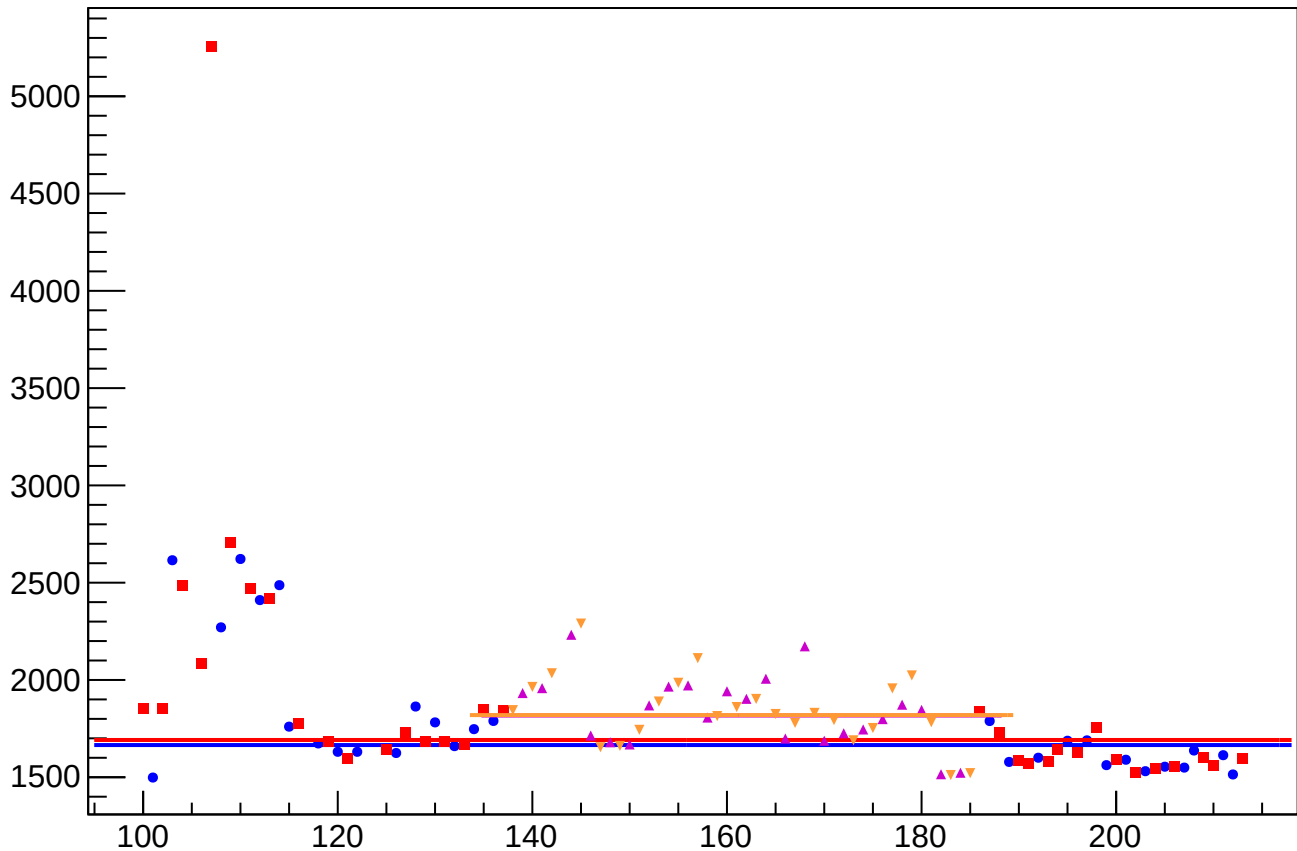
Left In: -1801.543 $\pm$ 426.483 χ^2 /NDF:15.3/22

+ sign 1982.117 $\pm$ 291.912 χ^2 /NDF: 52.3/52

All: 98.201 $\pm$ 205.510 χ^2 /NDF: 193.3/108

- sign -1753.106 $\pm$ 289.374 χ^2 /NDF: 58.4/55

asym_usl_atl1_avg_rms vs Slug



Right In: 1665.470+/-0.284 χ^2/NDF : 551942.3/28

Left Out: 1819.417+/-0.300 χ^2/NDF : 295015.0/23

Right Out: 1691.524+/-0.279 χ^2/NDF : 810782.3/32

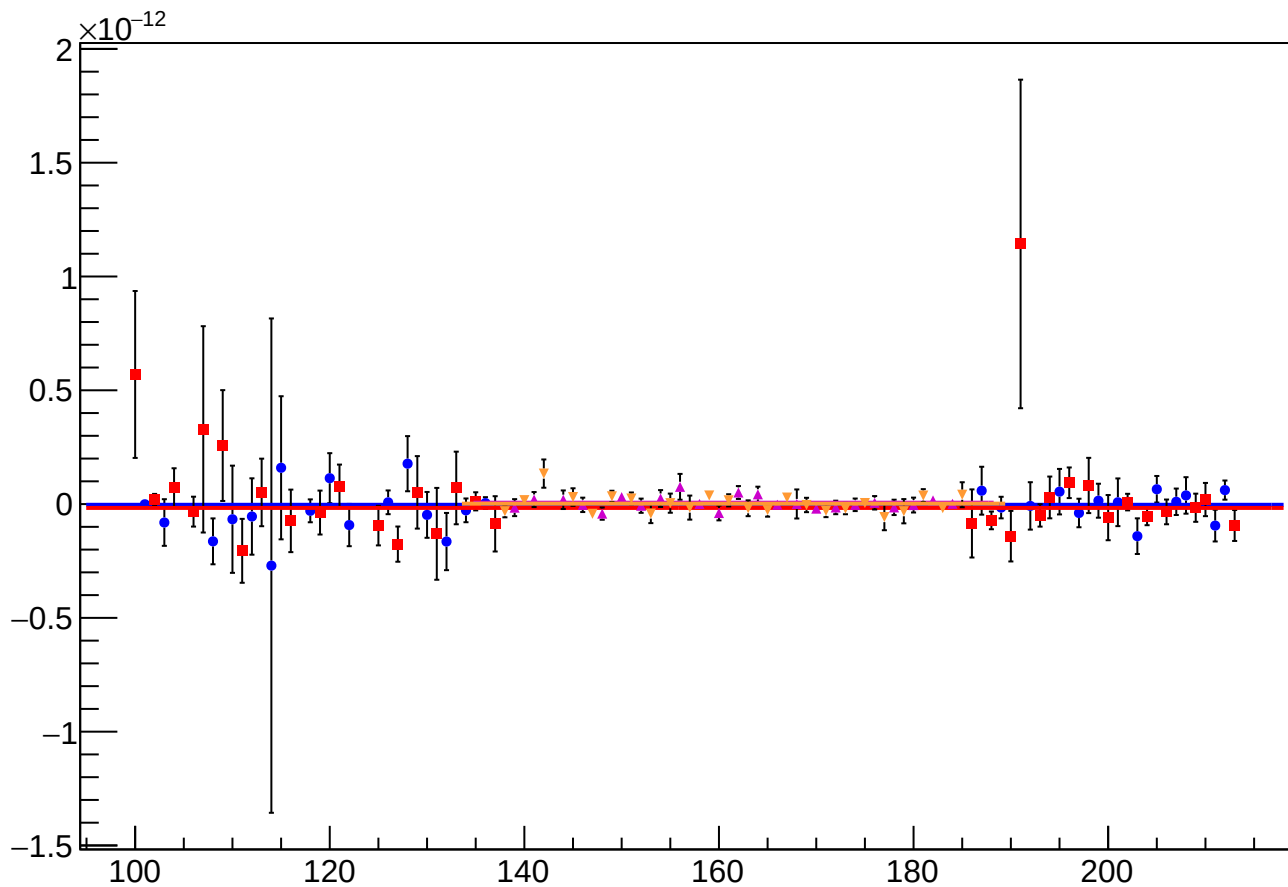
Left In: 1817.142+/-0.302 χ^2/NDF : 307103.2/22

+ sign 1738.280+/-0.206 χ^2/NDF : 985613.3/52

All: 1743.866+/-0.145 χ^2/NDF : 2198581.1/10

- sign 1749.356+/-0.205 χ^2/NDF : 1211515.7/55

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.4/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 29.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.0/32

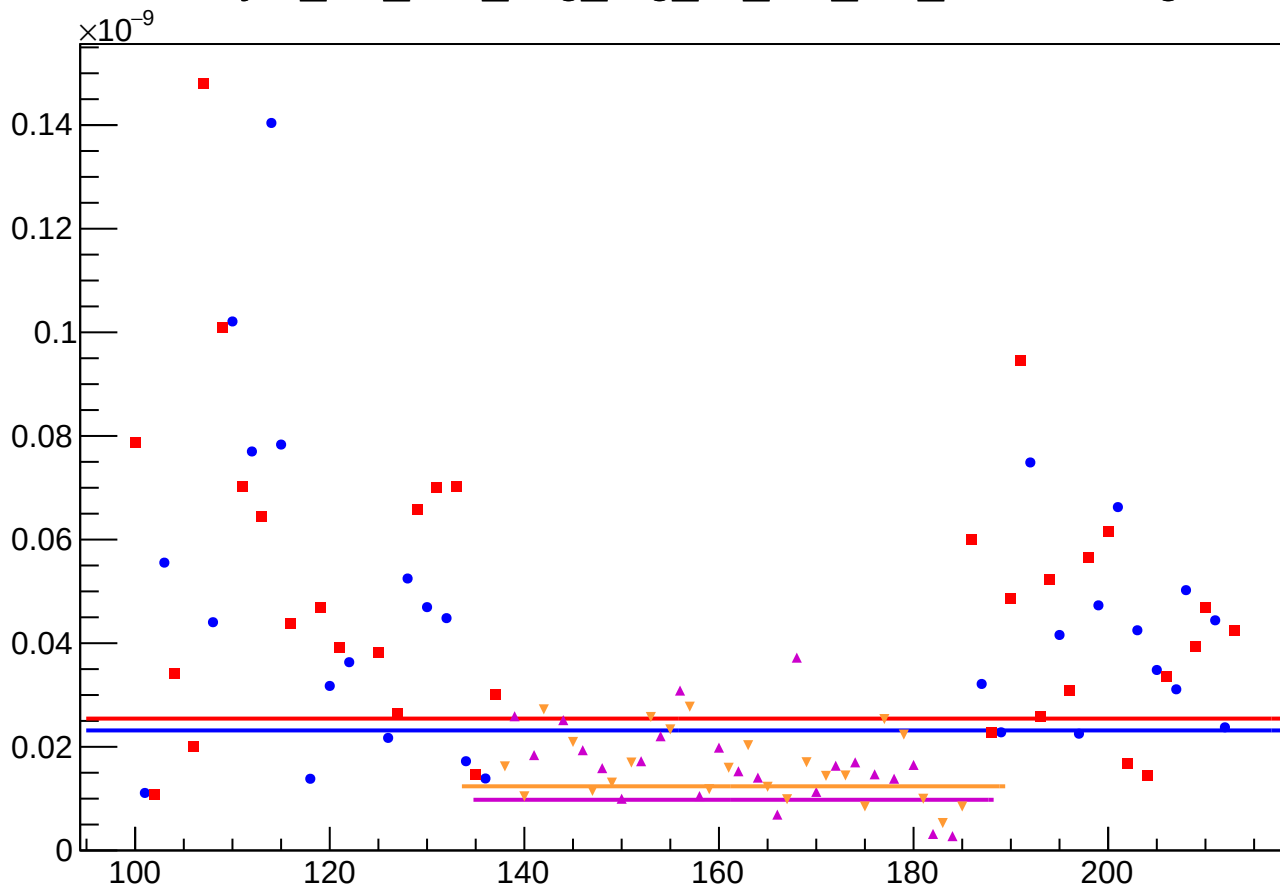
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 49.9/52

All: 0.000 ± 0.000 χ^2/NDF : 102.4/108

- sign 0.000 ± 0.000 χ^2/NDF : 52.4/55

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3997988.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1898110.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3715048.9/32

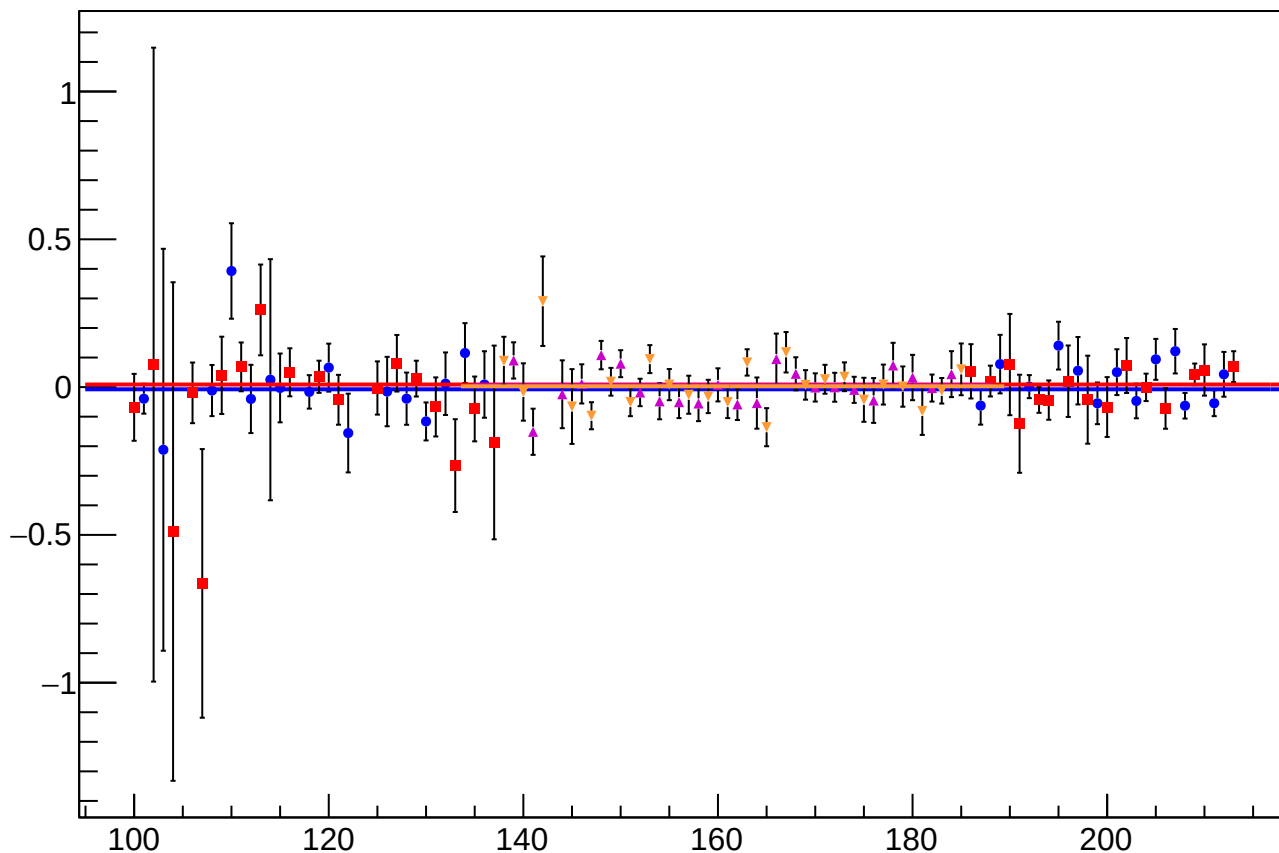
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4499862.2/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7528314.8/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 19262155.6/108

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11424309.4/55

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.014 χ^2/NDF : 28.3/28

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.009 ± 0.014 χ^2/NDF : 20.8/32

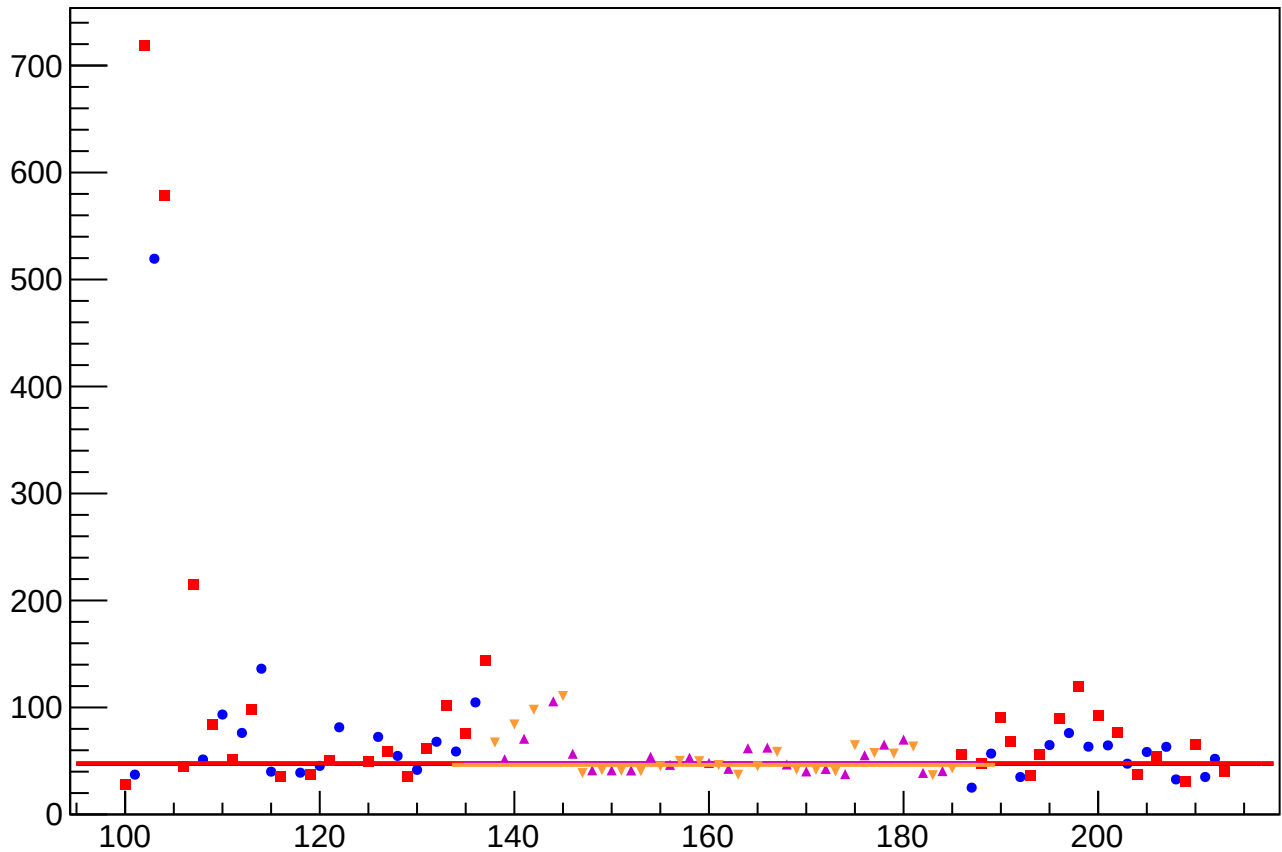
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.009 χ^2/NDF : 58.5/52

All: 0.003 ± 0.006 χ^2/NDF : 101.4/108

- sign 0.007 ± 0.009 χ^2/NDF : 42.4/55

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.279 $\pm$ 0.010 χ^2 /NDF: 3773424.5/28

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF: 1967753.2/23

Right Out: 47.983 $\pm$ 0.010 χ^2 /NDF: 5396357.3/32

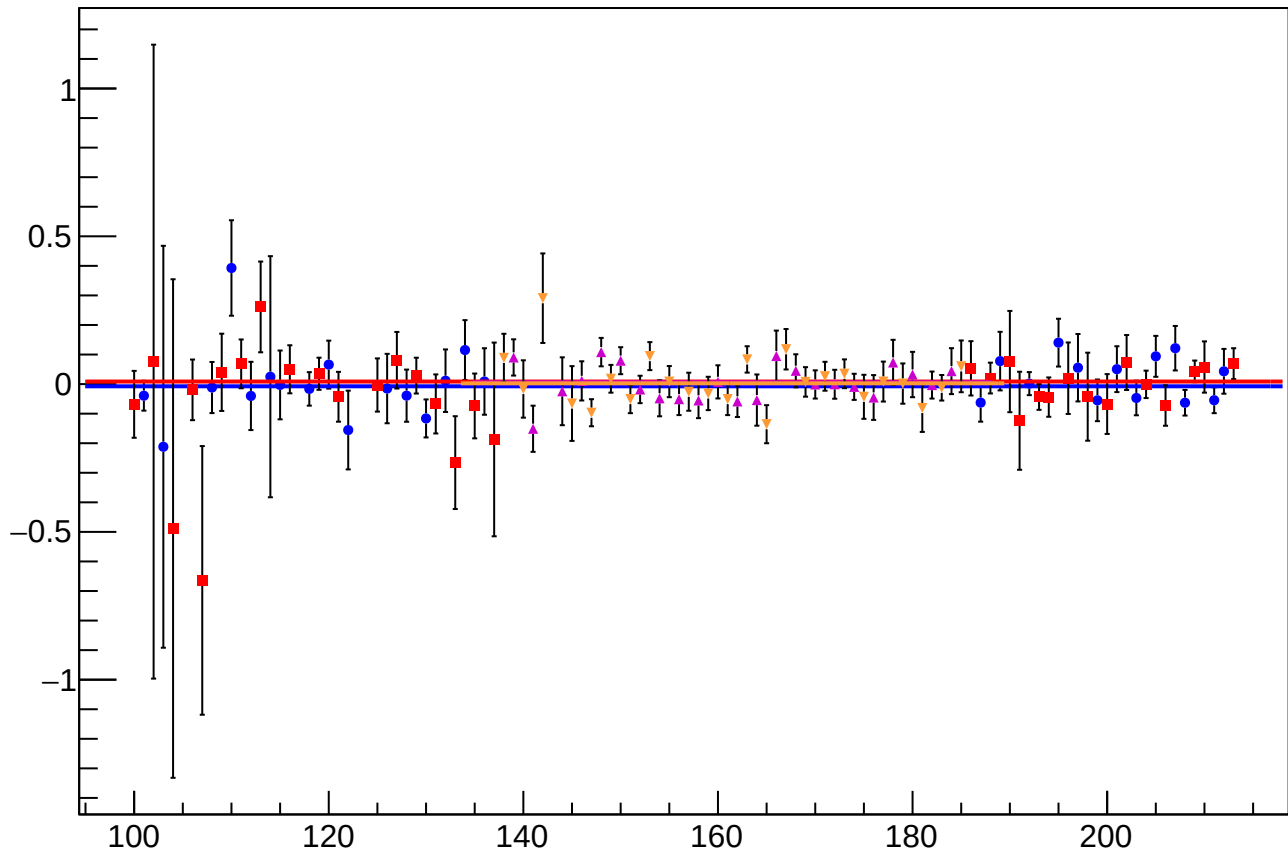
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576196.2/22

+ sign 46.756 $\pm$ 0.006 χ^2 /NDF: 5746450.8/52

All: 47.248 $\pm$ 0.005 χ^2 /NDF: 12732293.1/108

- sign 47.755 $\pm$ 0.006 χ^2 /NDF: 6973550.0/55

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.014 χ^2/NDF : 28.3/28

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.009 ± 0.014 χ^2/NDF : 20.8/32

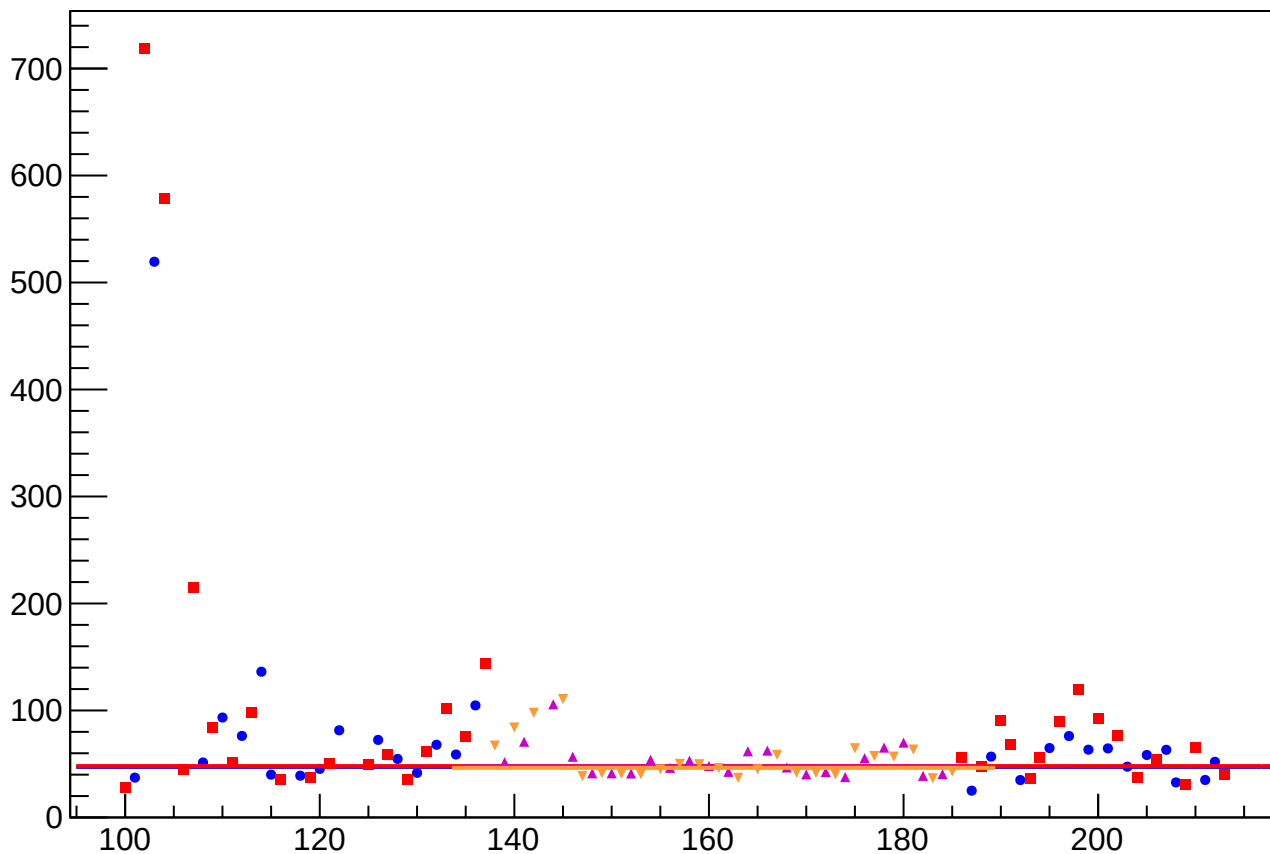
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.009 χ^2/NDF : 58.5/52

All: 0.003 ± 0.006 χ^2/NDF : 101.4/108

- sign 0.007 ± 0.009 χ^2/NDF : 42.4/55

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.279 $\pm$ 0.010 χ^2 /NDF: 3773424.5/28

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF: 1967753.2/23

Right Out: 47.983 $\pm$ 0.010 χ^2 /NDF: 5396357.3/32

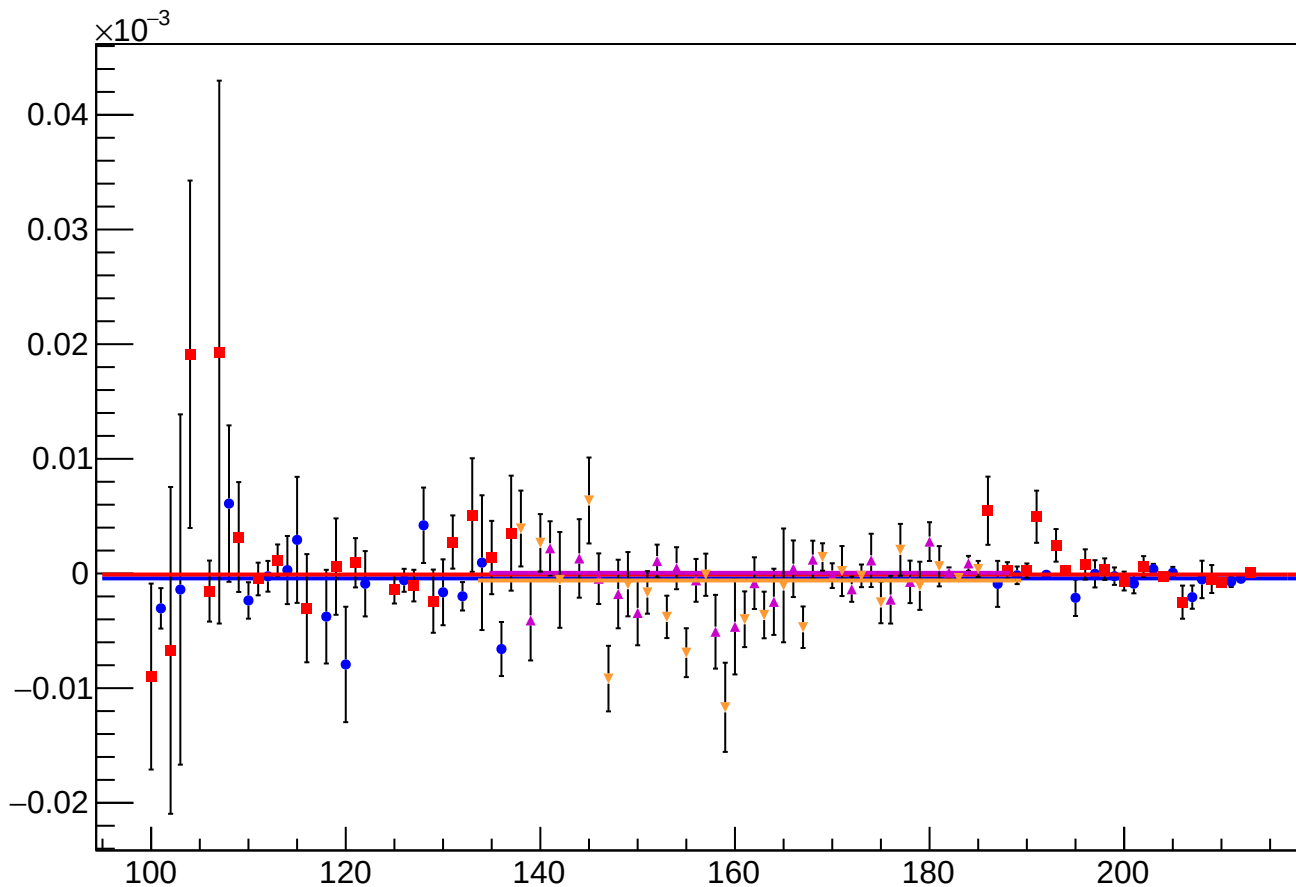
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576196.2/22

+ sign 46.756 $\pm$ 0.006 χ^2 /NDF: 5746450.8/52

All: 47.248 $\pm$ 0.005 χ^2 /NDF: 12732293.1/108

- sign 47.755 $\pm$ 0.006 χ^2 /NDF: 6973550.0/55

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 54.0/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.8/32

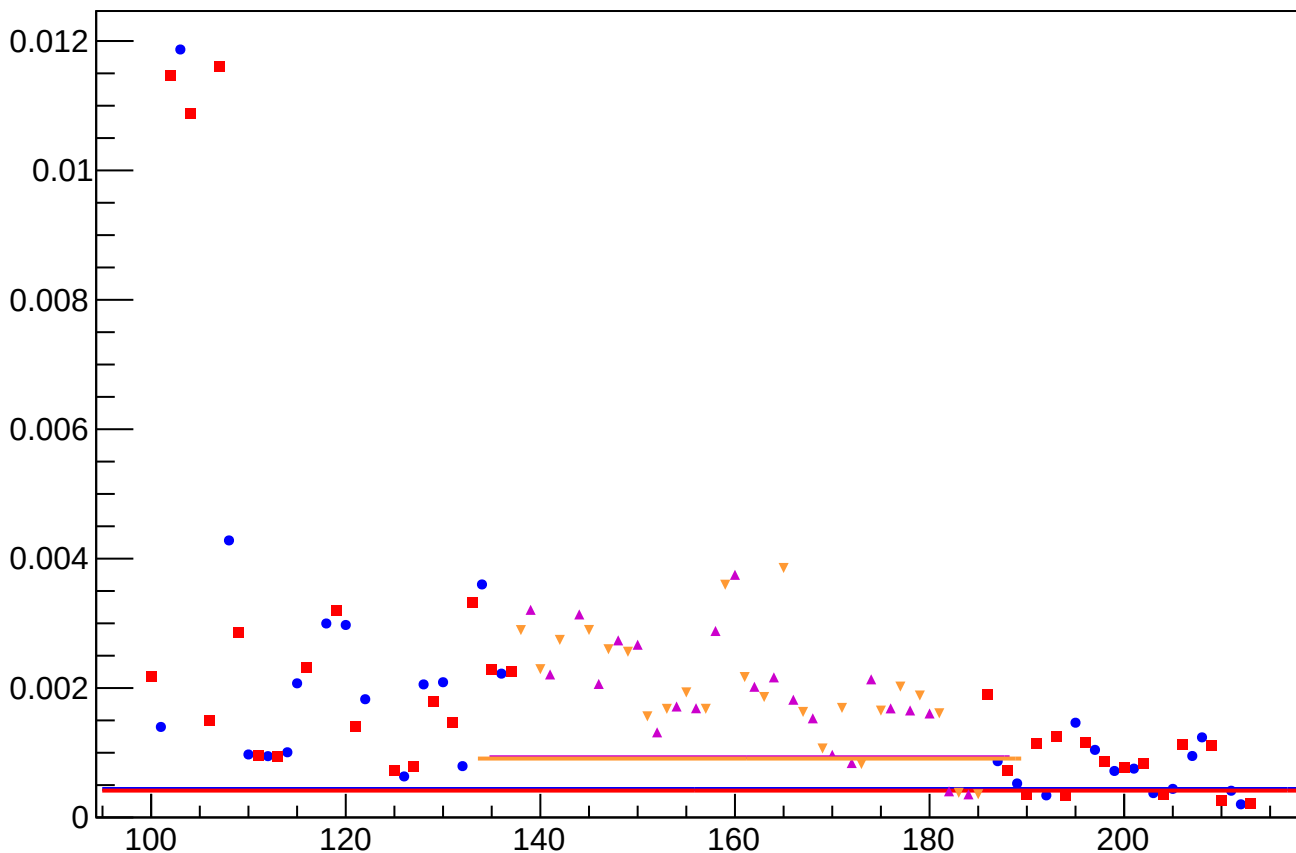
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 82.4/52

All: -0.000 ± 0.000 χ^2/NDF : 141.7/108

- sign -0.000 ± 0.000 χ^2/NDF : 53.9/55

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13252691.9/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:14137356.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15546491.1/32

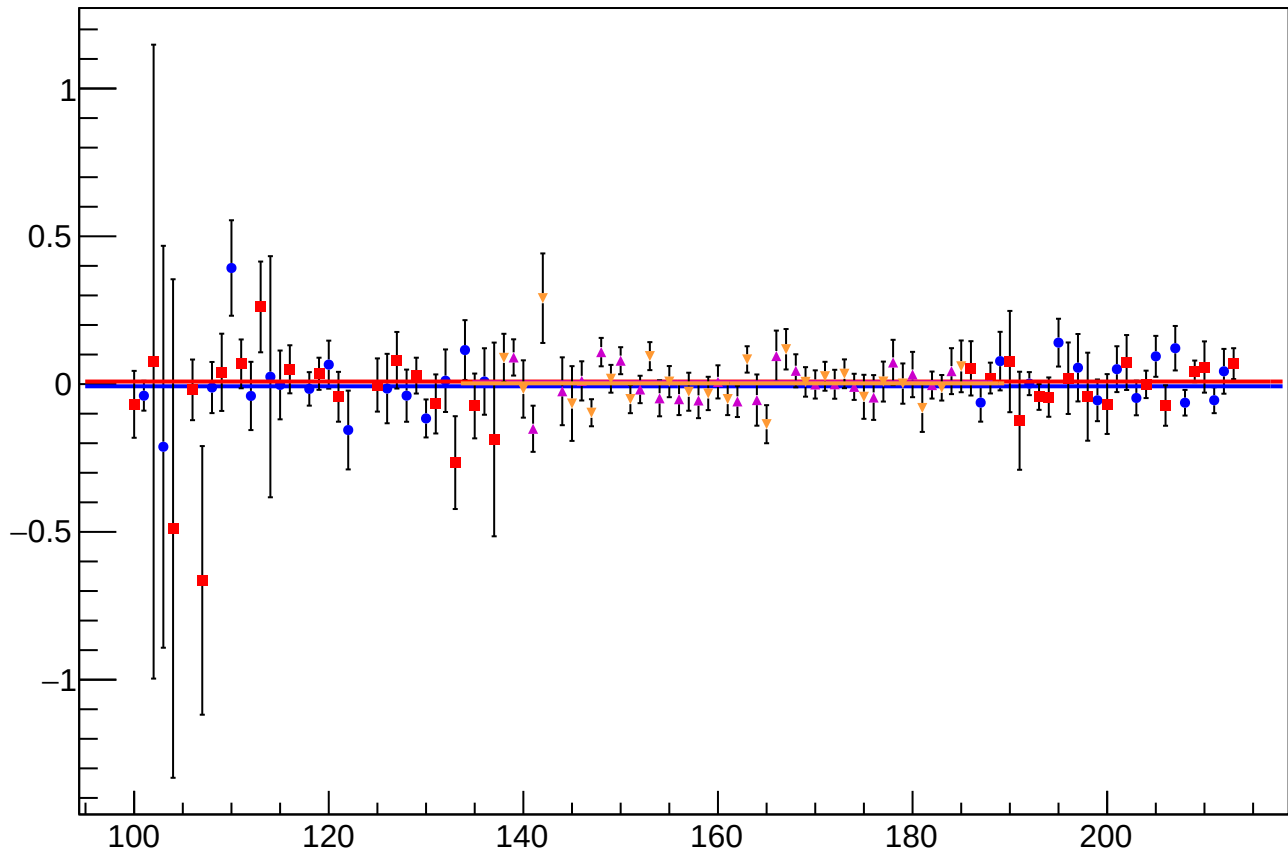
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:13690985.6/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 31933189.8/52

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 66707032.4/108

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 34718514.4/55

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.014 $\chi^2/\text{NDF}: 28.3/28$

Left Out: 0.003 ± 0.012 $\chi^2/\text{NDF}: 29.9/23$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 20.8/32$

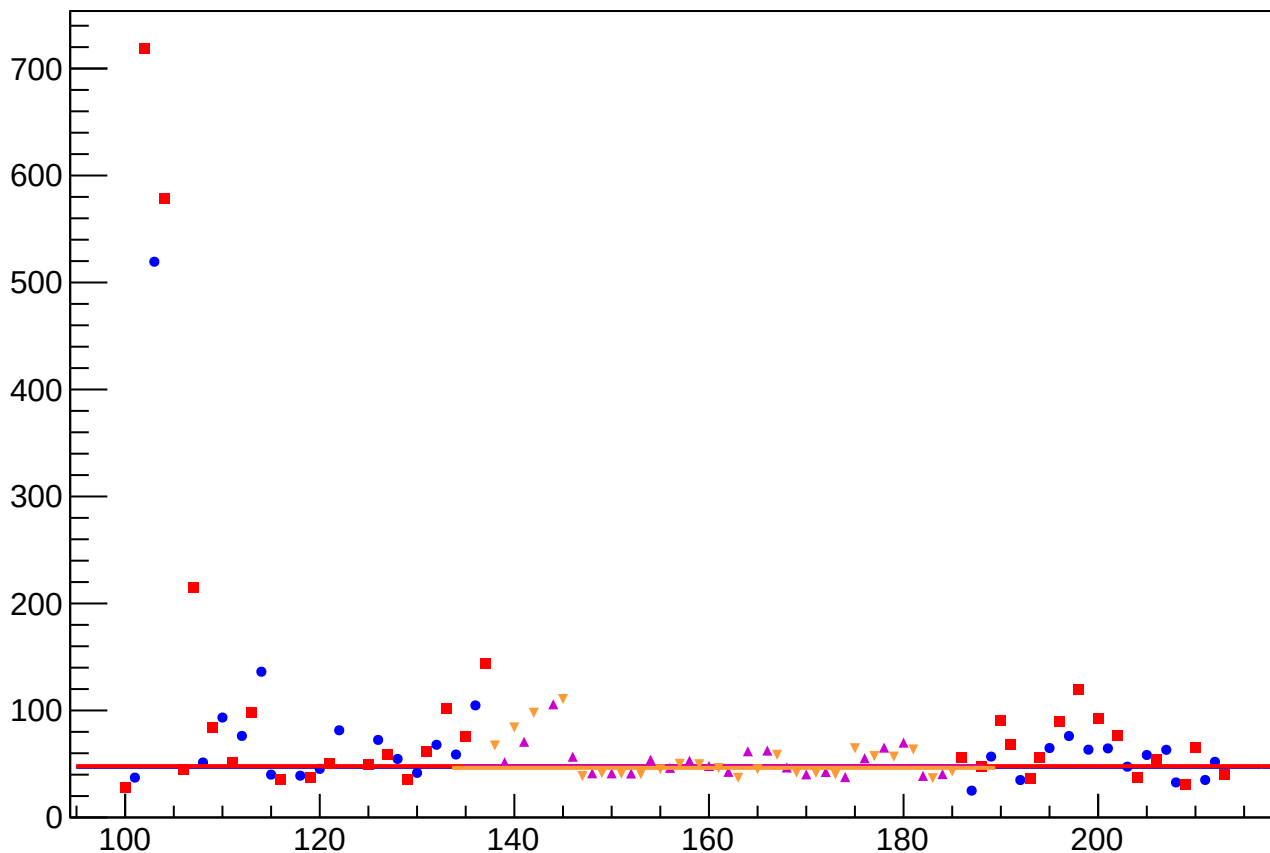
Left In: 0.006 ± 0.012 $\chi^2/\text{NDF}: 21.6/22$

+ sign -0.002 ± 0.009 $\chi^2/\text{NDF}: 58.5/52$

All: 0.003 ± 0.006 $\chi^2/\text{NDF}: 101.4/108$

- sign 0.007 ± 0.009 $\chi^2/\text{NDF}: 42.4/55$

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.279 $\pm$ 0.010 χ^2 /NDF: 3773446.3/28

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 47.983 $\pm$ 0.010 χ^2 /NDF: 5396331.7/32

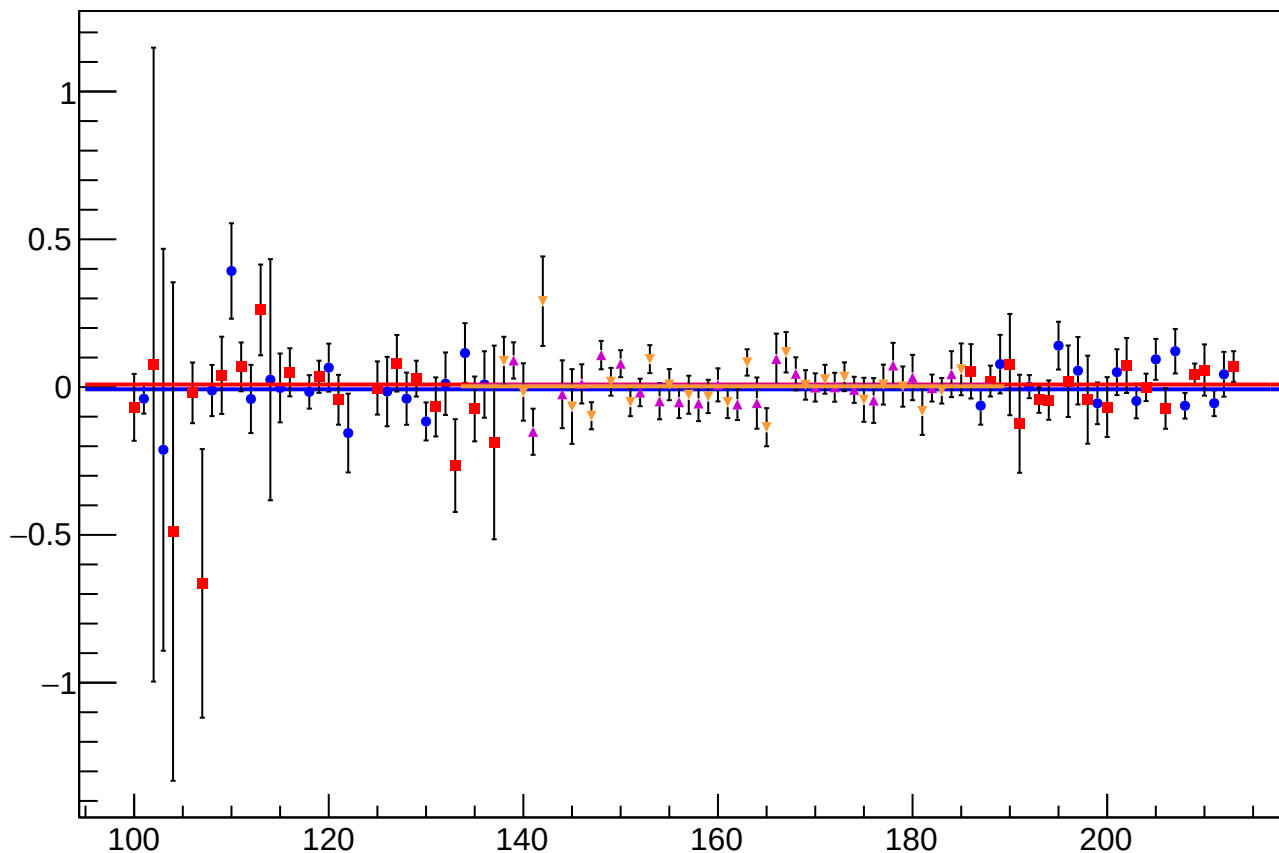
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 46.757 $\pm$ 0.006 χ^2 /NDF: 5746458.0/52

All: 47.248 $\pm$ 0.005 χ^2 /NDF: 12732279.9/108

- sign 47.755 $\pm$ 0.006 χ^2 /NDF: 6973531.7/55

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.014 χ^2/NDF : 28.3/28

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.009 ± 0.014 χ^2/NDF : 20.8/32

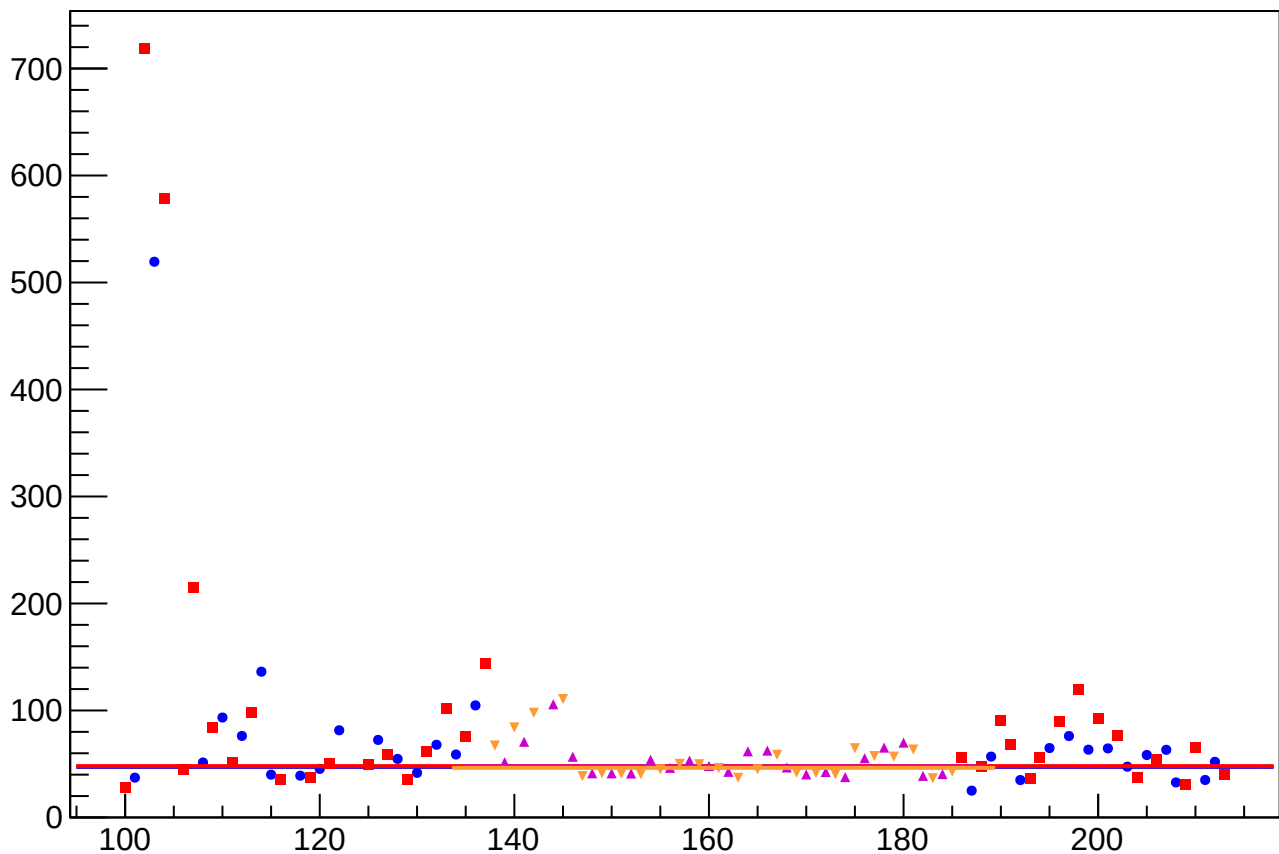
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.009 χ^2/NDF : 58.5/52

All: 0.003 ± 0.006 χ^2/NDF : 101.4/108

- sign 0.007 ± 0.009 χ^2/NDF : 42.4/55

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.279 $\pm$ 0.010 χ^2 /NDF: 3773446.3/28

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 47.983 $\pm$ 0.010 χ^2 /NDF: 5396331.7/32

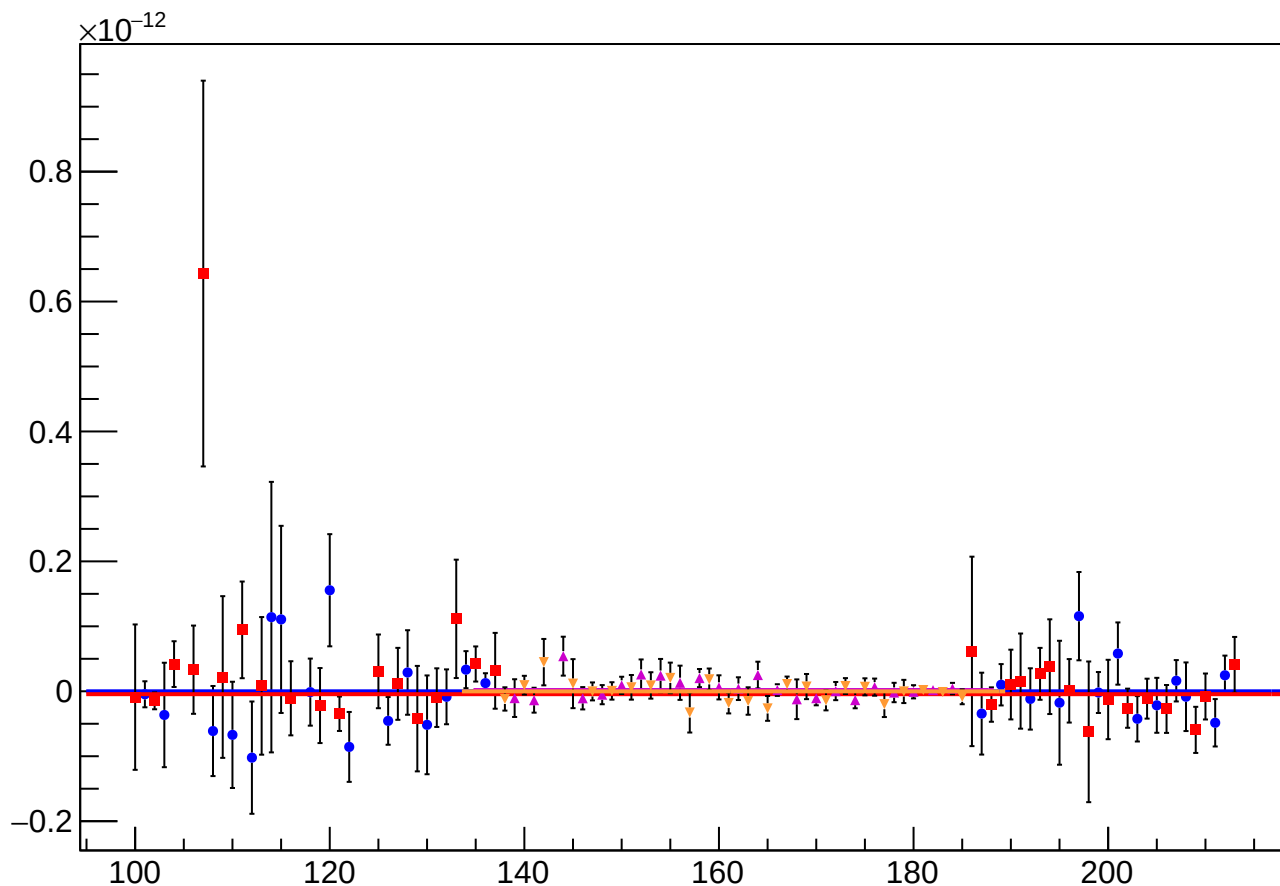
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 46.757 $\pm$ 0.006 χ^2 /NDF: 5746458.0/52

All: 47.248 $\pm$ 0.005 χ^2 /NDF: 12732279.9/108

- sign 47.755 $\pm$ 0.006 χ^2 /NDF: 6973531.7/55

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.9/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.7/32

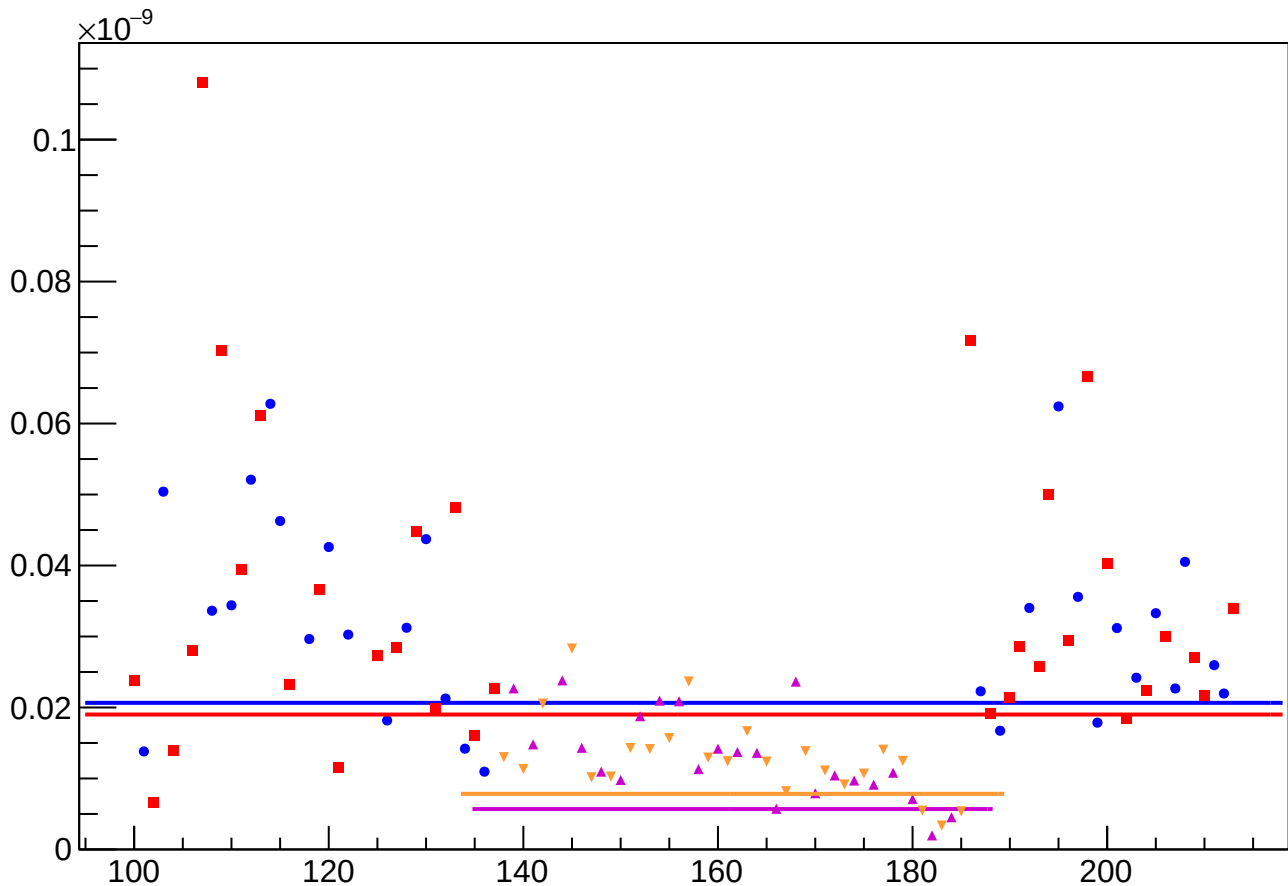
Left In: 0.000 ± 0.000 χ^2/NDF : 13.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 37.2/52

All: 0.000 ± 0.000 χ^2/NDF : 74.3/108

- sign 0.000 ± 0.000 χ^2/NDF : 36.9/55

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3781114.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5774832.1/32

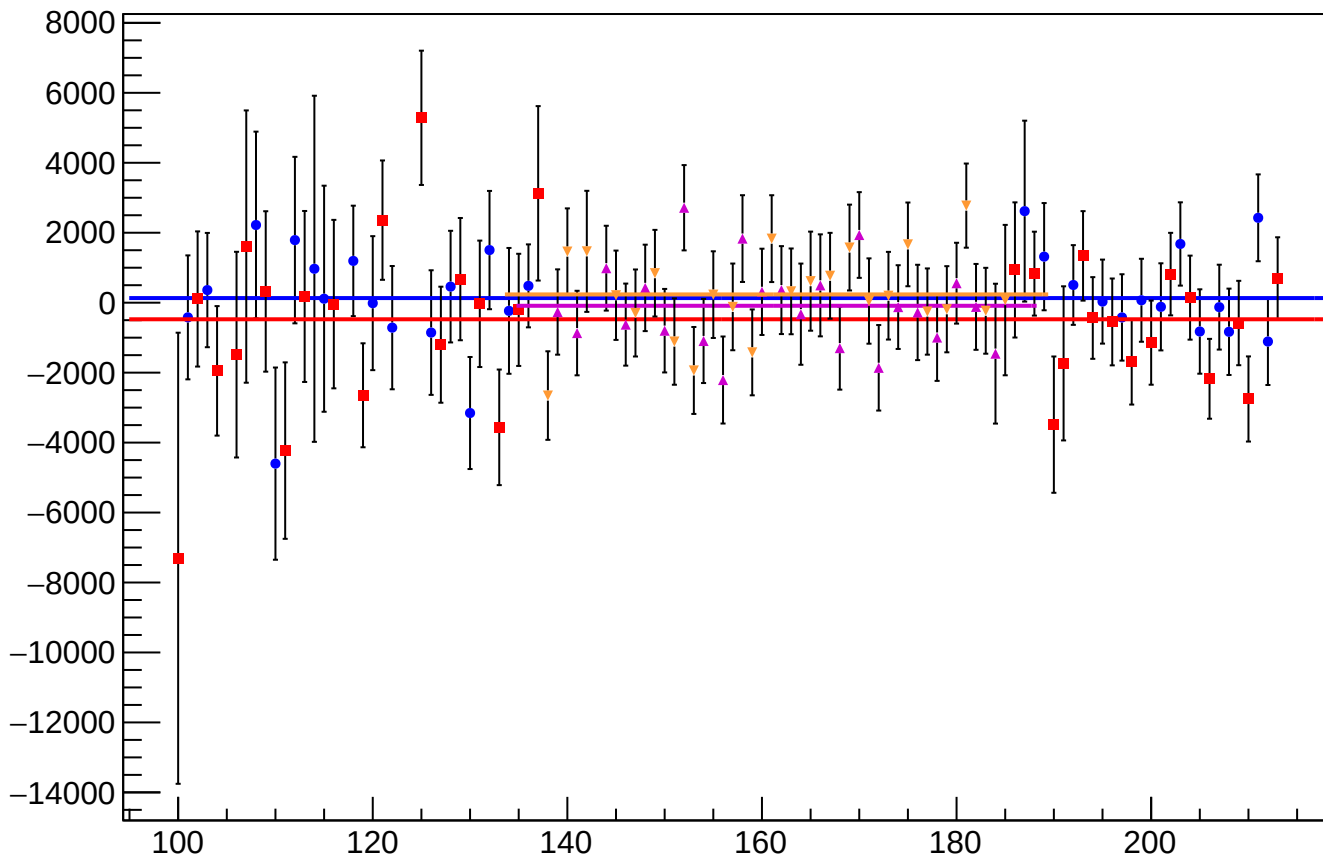
Left In: 0.000+/-0.000 χ^2/NDF : 11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 15854346.3/52

All: 0.000+/-0.000 χ^2/NDF : 40838783.8/108

- sign 0.000+/-0.000 χ^2/NDF : 23805277.7/55

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 132.029 ± 279.322 χ^2/NDF : 19.5/28

Left Out: 236.601 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -474.259 ± 272.338 χ^2/NDF : 40.8/32

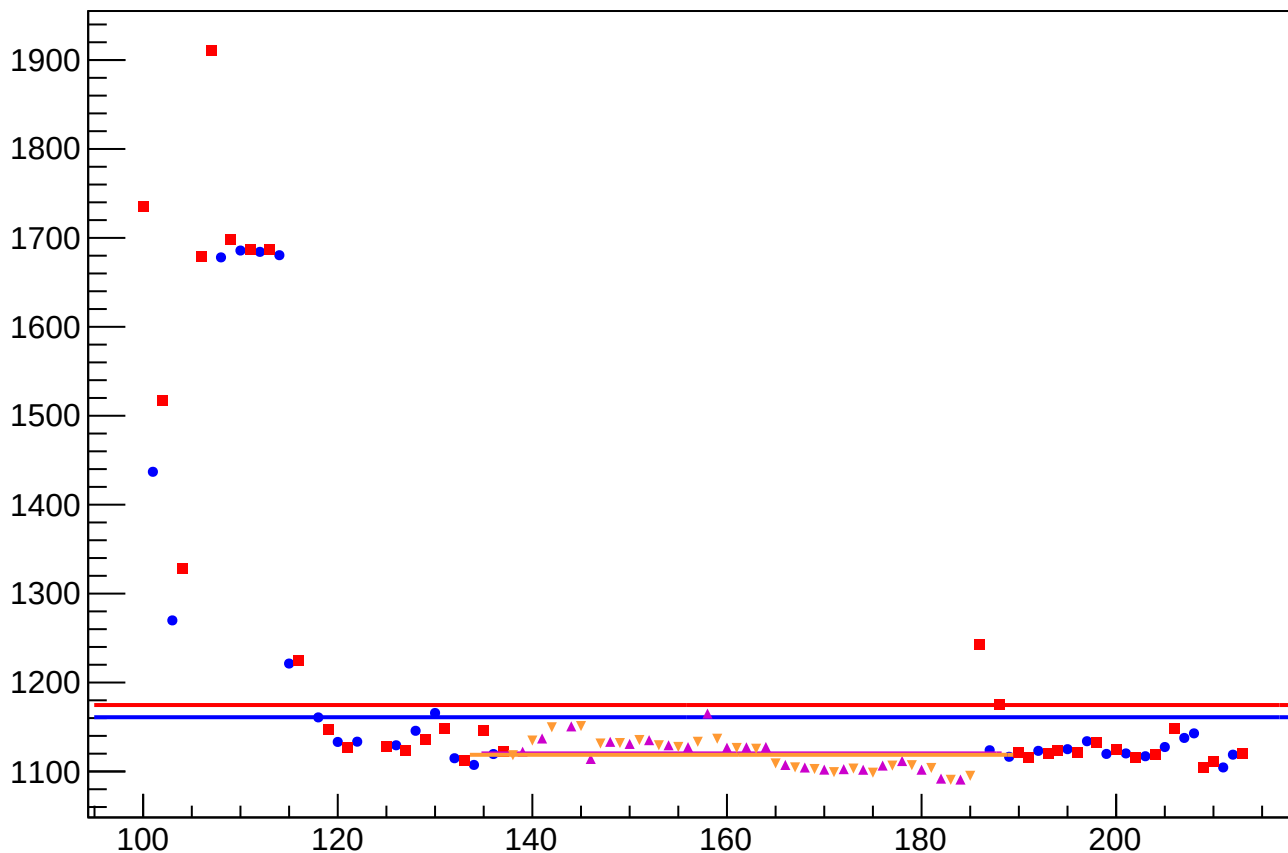
Left In: -88.380 ± 261.602 χ^2/NDF : 20.9/22

+ sign 188.123 ± 190.182 χ^2/NDF : 42.3/52

All: -44.573 ± 133.938 χ^2/NDF : 108.0/108

- sign -273.564 ± 188.662 χ^2/NDF : 62.7/55

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1160.984 $\pm$ 0.198 χ^2 /NDF: 355741.0/28

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1174.690 $\pm$ 0.193 χ^2 /NDF: 557460.6/32

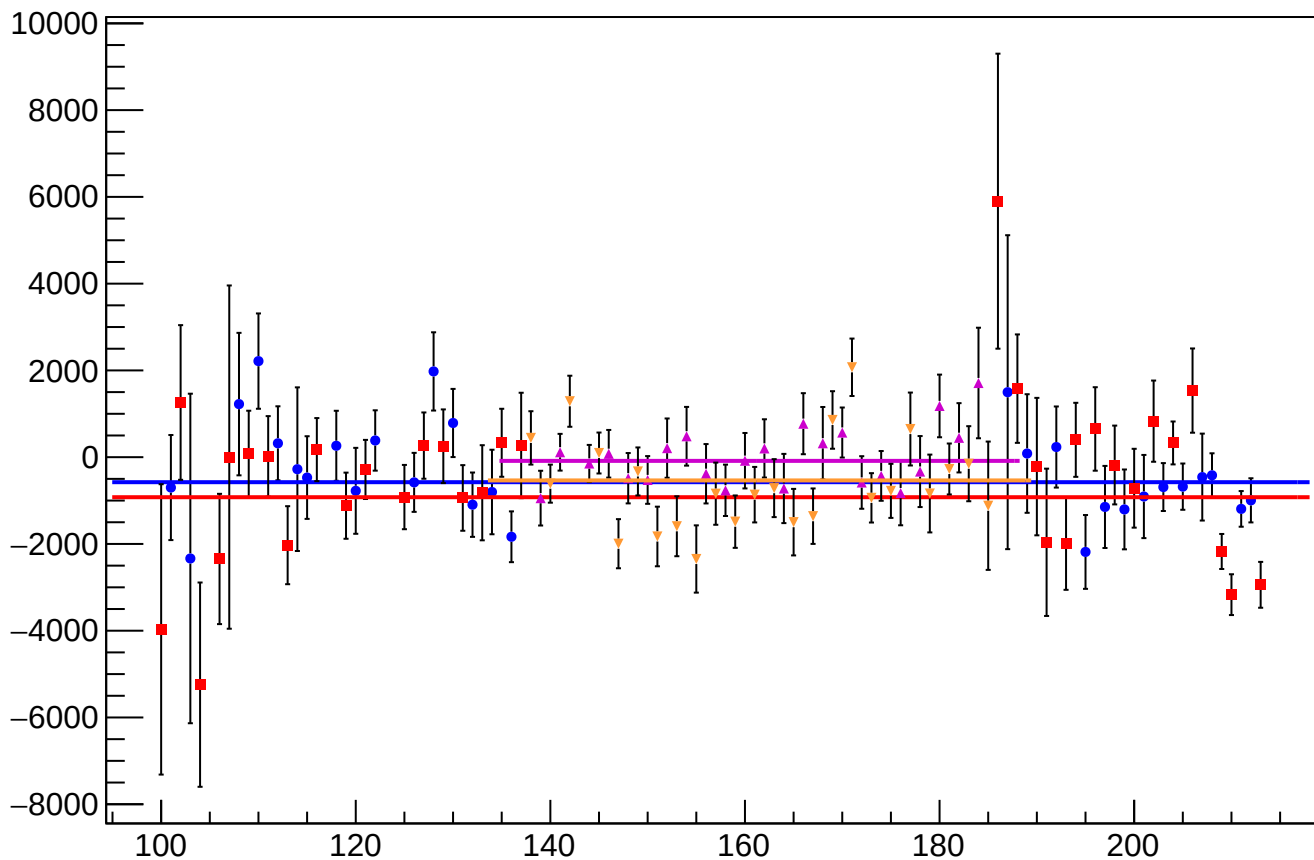
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1138.320 $\pm$ 0.134 χ^2 /NDF: 388492.1/52

All: 1142.395 $\pm$ 0.095 χ^2 /NDF: 998730.8/108

- sign 1146.406 $\pm$ 0.133 χ^2 /NDF: 608416.5/55

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -576.524 $\pm$ 144.143 χ^2 /NDF: 37.2/28

Left Out: -535.899 $\pm$ 130.646 χ^2 /NDF:61.6/23

Right Out: -922.850 $\pm$ 144.601 χ^2 /NDF: 100.0/32

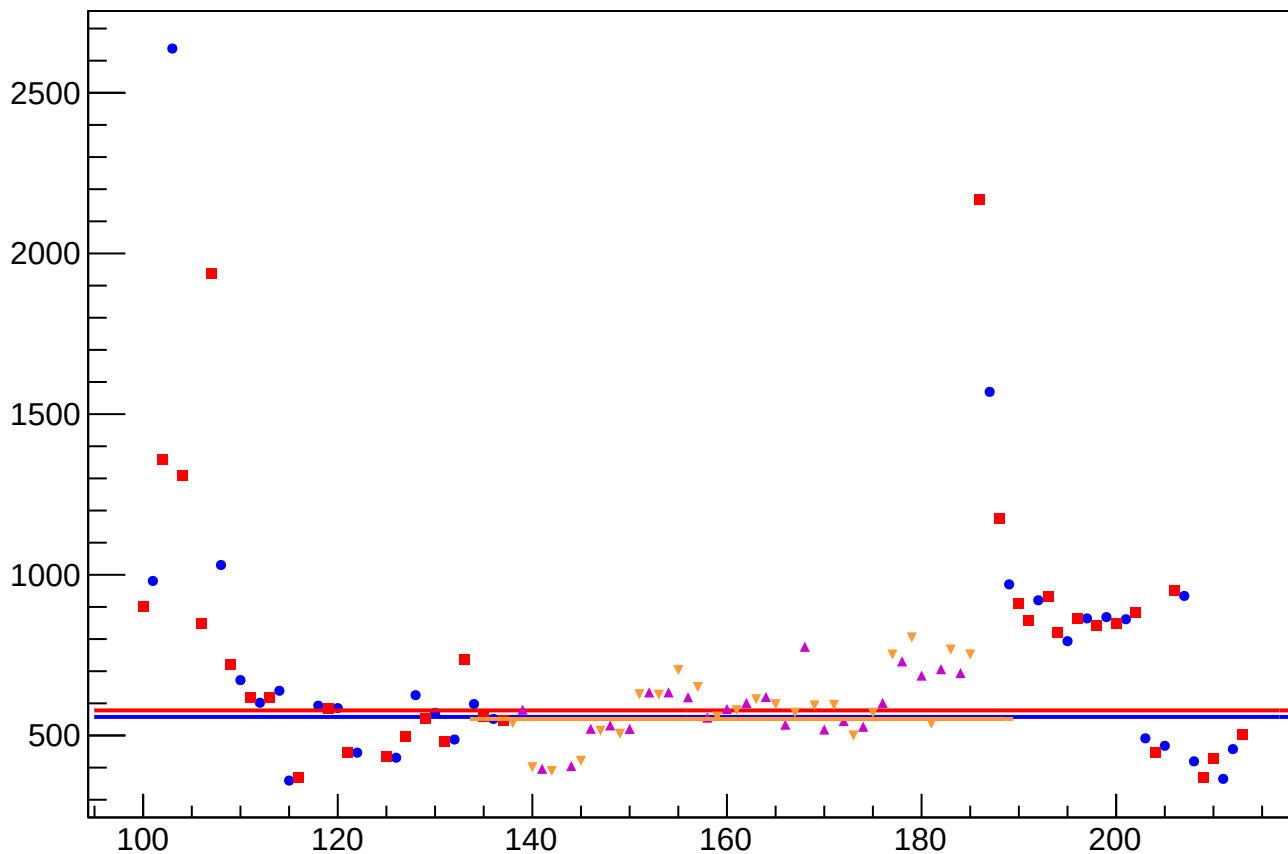
Left In: -85.254 $\pm$ 130.966 χ^2 /NDF:17.1/22

+ sign -554.221 $\pm$ 96.801 χ^2 /NDF: 98.8/52

All: -508.592 $\pm$ 68.544 χ^2 /NDF: 234.8/108

- sign -462.708 $\pm$ 97.070 χ^2 /NDF: 135.6/55

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 557.706 $\pm$ 0.102 χ^2 /NDF: 3753696.6/28

Left Out: 551.440 $\pm$ 0.092 χ^2 /NDF:1226616.4/23

Right Out: 577.951 $\pm$ 0.102 χ^2 /NDF: 4733525.7/32

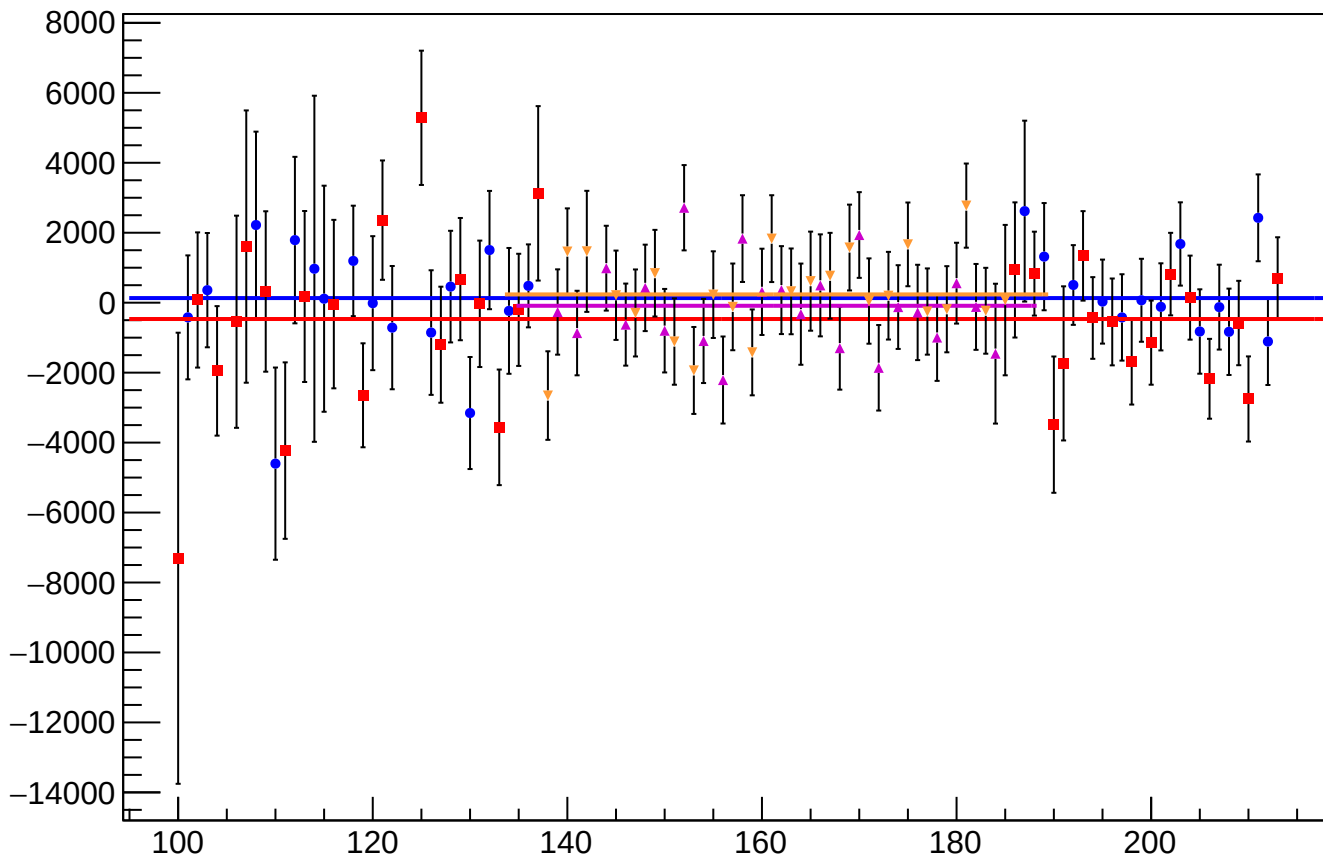
Left In: 551.336 $\pm$ 0.093 χ^2 /NDF:1061764.2/22

+ sign 554.266 $\pm$ 0.068 χ^2 /NDF: 4982388.1/52

All: 558.785 $\pm$ 0.048 χ^2 /NDF: 10823640.7/10

- sign 563.330 $\pm$ 0.069 χ^2 /NDF: 5832510.0/55

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 131.874 $\pm$ 279.322 χ^2 /NDF: 19.5/28

Left Out: 236.642 $\pm$ 259.669 χ^2 /NDF:22.7/23

Right Out: -466.729 $\pm$ 272.409 χ^2 /NDF: 40.7/32

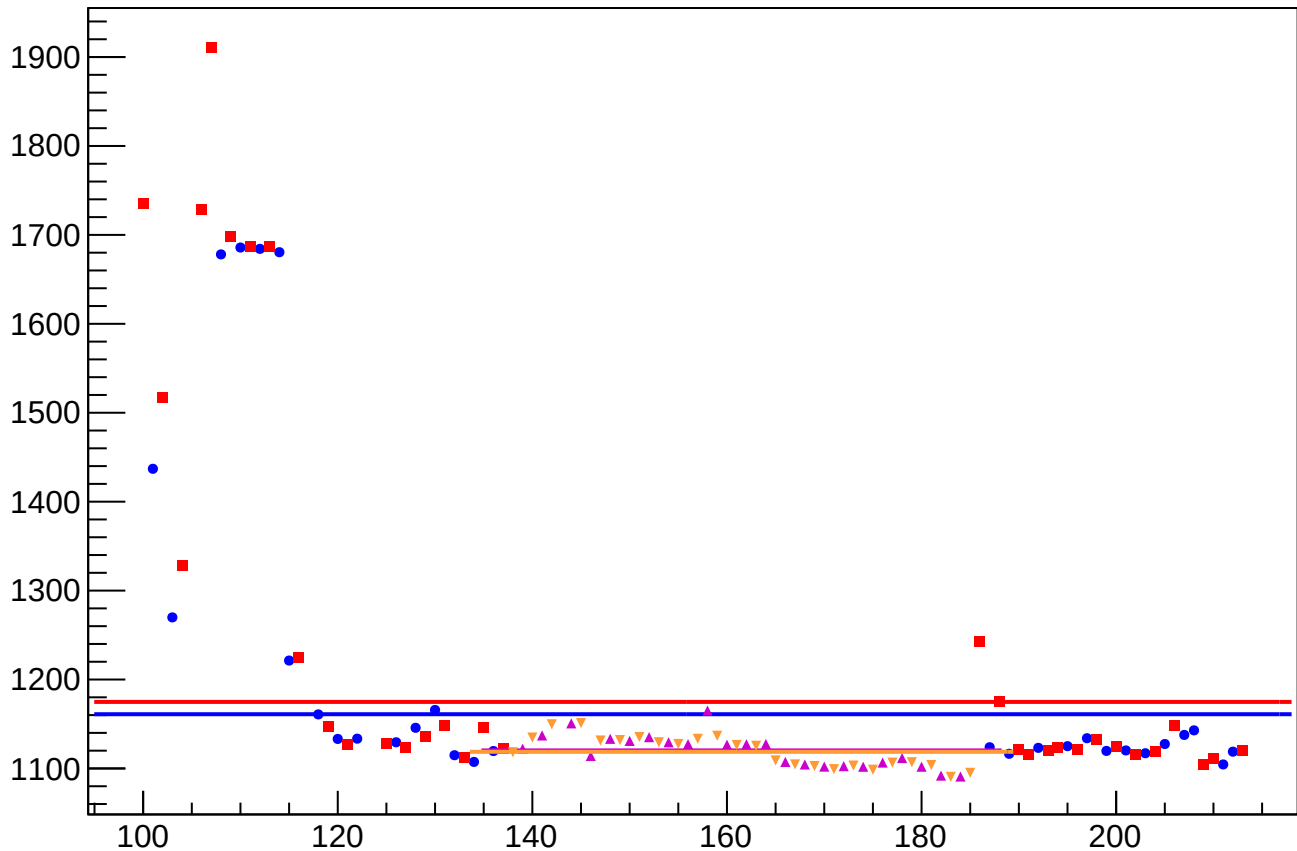
Left In: -88.370 $\pm$ 261.602 χ^2 /NDF:20.9/22

+ sign 188.073 $\pm$ 190.182 χ^2 /NDF: 42.3/52

All: -42.721 $\pm$ 133.947 χ^2 /NDF: 107.8/108

- sign -269.896 $\pm$ 188.685 χ^2 /NDF: 62.6/55

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1160.984 $\pm$ 0.198 χ^2 /NDF: 355741.1/28

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1174.834 $\pm$ 0.193 χ^2 /NDF: 565432.5/32

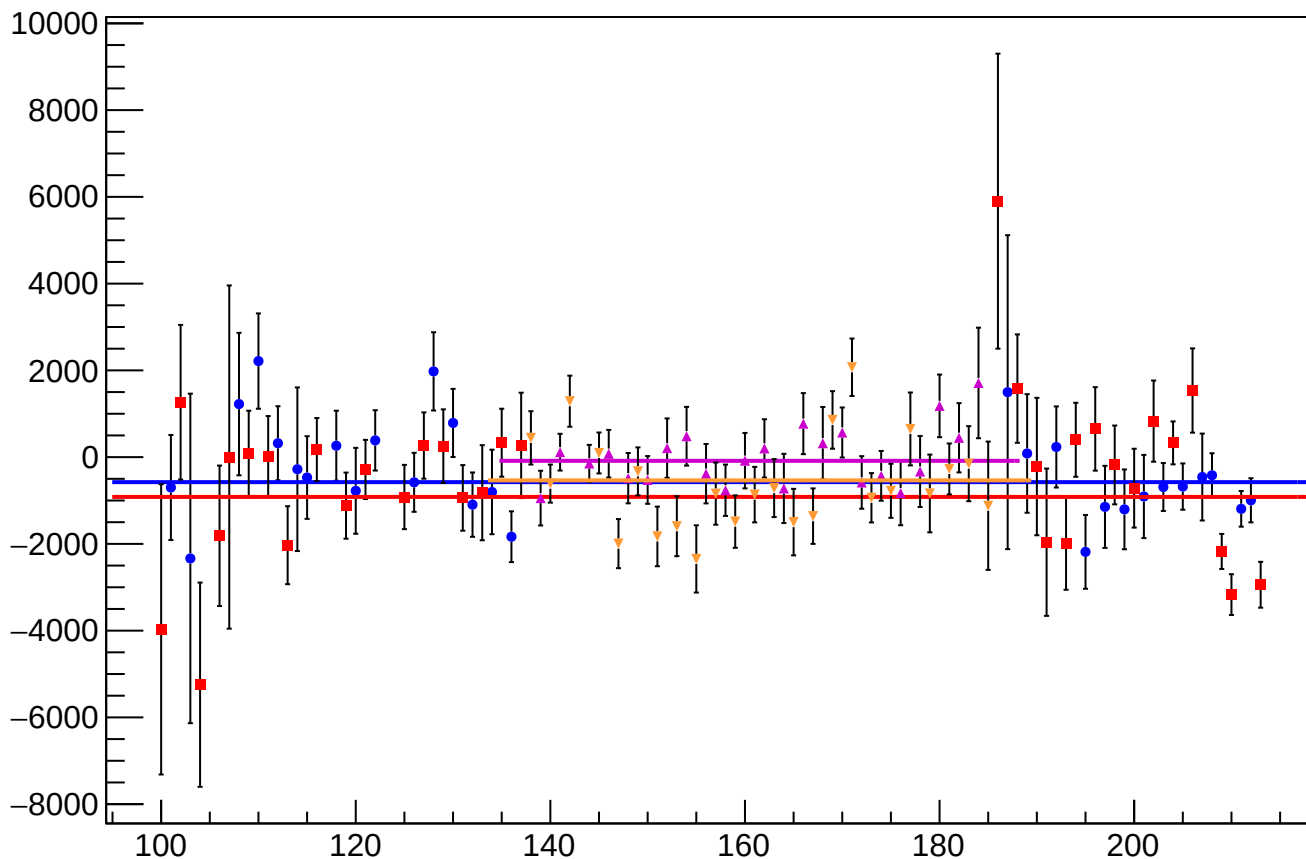
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1138.320 $\pm$ 0.134 χ^2 /NDF: 388492.2/52

All: 1142.426 $\pm$ 0.095 χ^2 /NDF: 1006939.0/100

- sign 1146.468 $\pm$ 0.133 χ^2 /NDF: 616596.8/55

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -576.521±/144.142 χ^2/NDF : 37.2/28

Left Out: -535.930±/130.646 χ^2/NDF : 61.6/23

Right Out: -916.737±/144.694 χ^2/NDF : 99.5/32

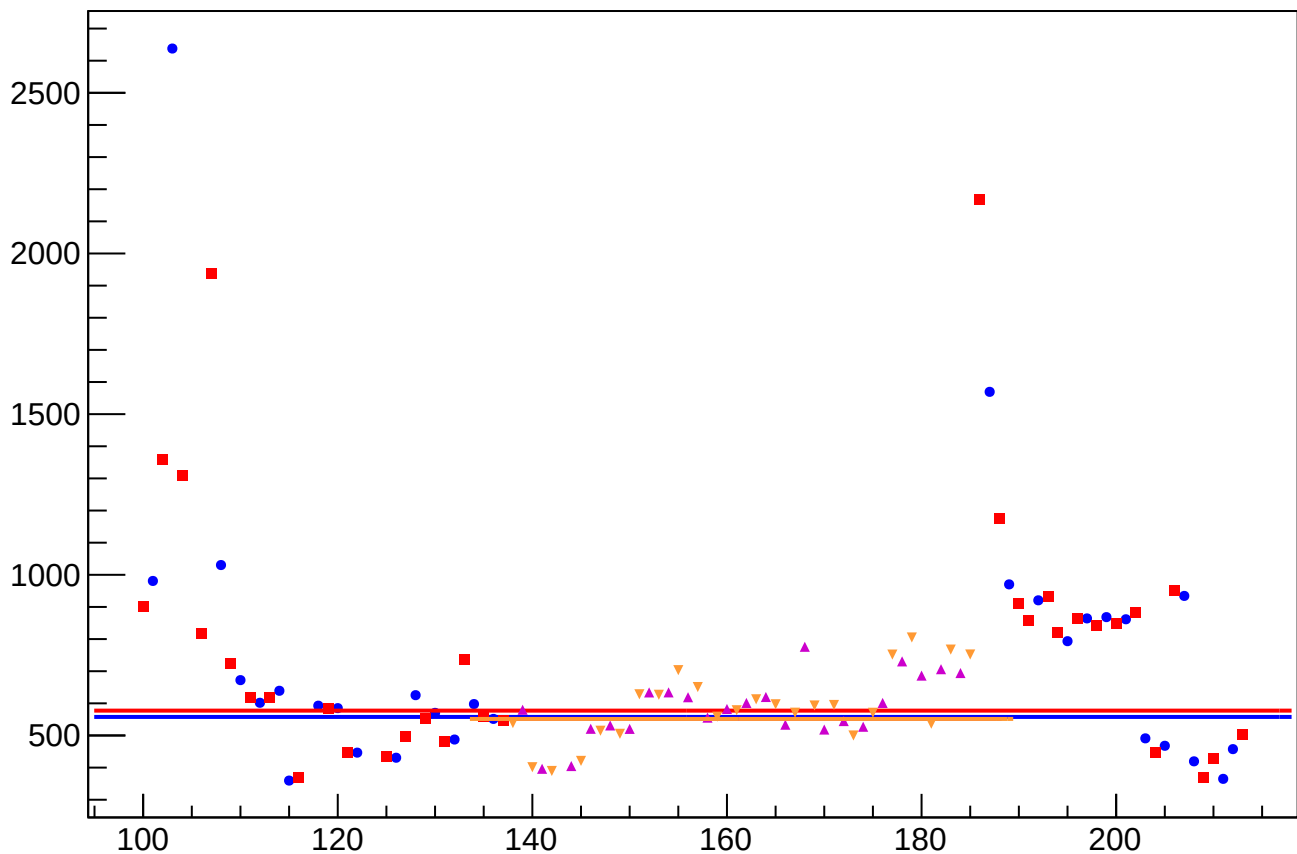
Left In: -85.243±/130.966 χ^2/NDF : 17.1/22

+ sign -554.236±/96.801 χ^2/NDF : 98.8/52

All: -507.104±/68.554 χ^2/NDF : 234.0/108

- sign -459.682±/97.098 χ^2/NDF : 134.7/55

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 557.705 $\pm$ 0.102 χ^2 /NDF: 3753671.5/28

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 577.345 $\pm$ 0.102 χ^2 /NDF: 4712819.4/32

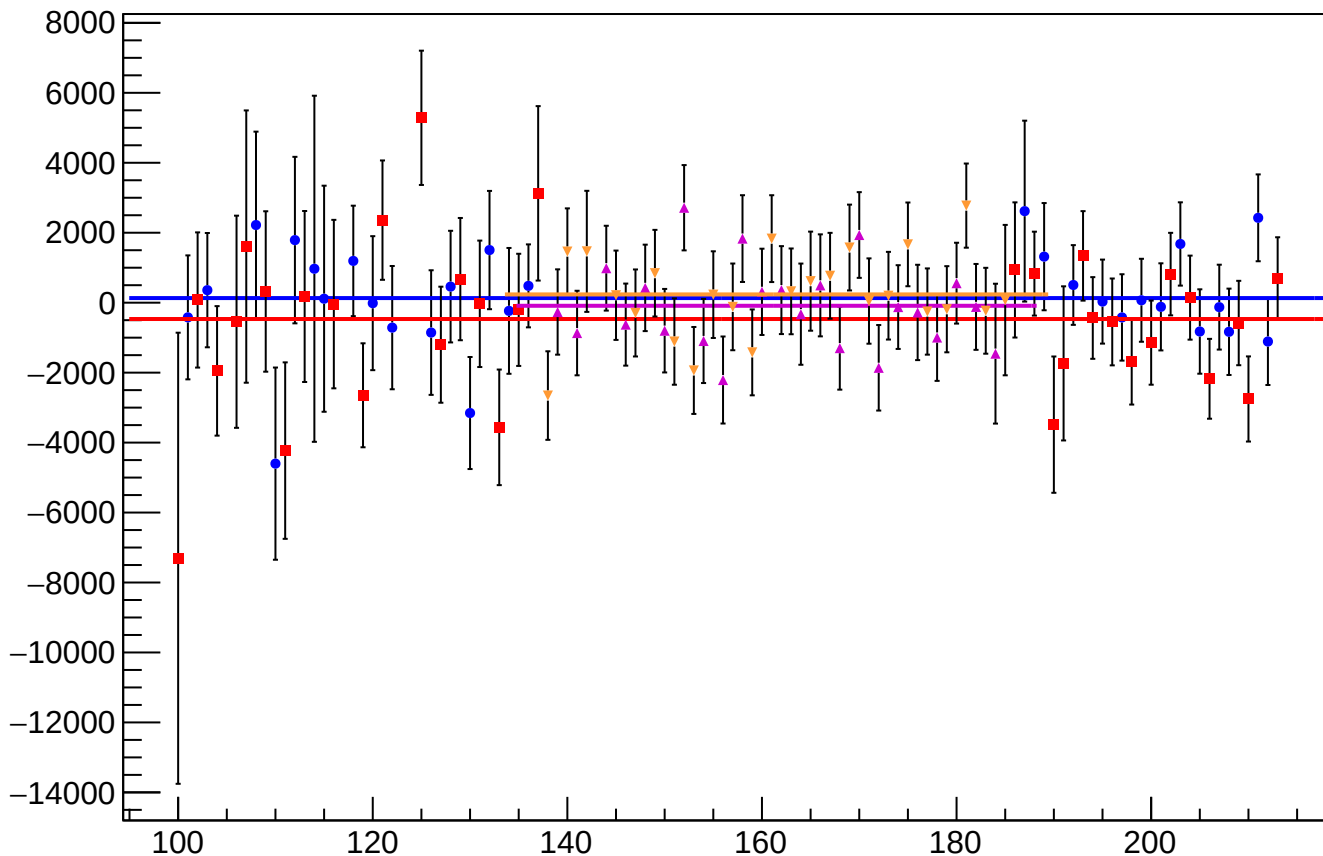
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 554.265 $\pm$ 0.068 χ^2 /NDF: 4982378.2/52

All: 558.643 $\pm$ 0.048 χ^2 /NDF: 10800660.1/10

- sign 563.048 $\pm$ 0.069 χ^2 /NDF: 5810074.4/55

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 131.874 $\pm$ 279.322 χ^2 /NDF: 19.5/28

Left Out: 236.642 $\pm$ 259.669 χ^2 /NDF:22.7/23

Right Out: -466.729 $\pm$ 272.409 χ^2 /NDF: 40.7/32

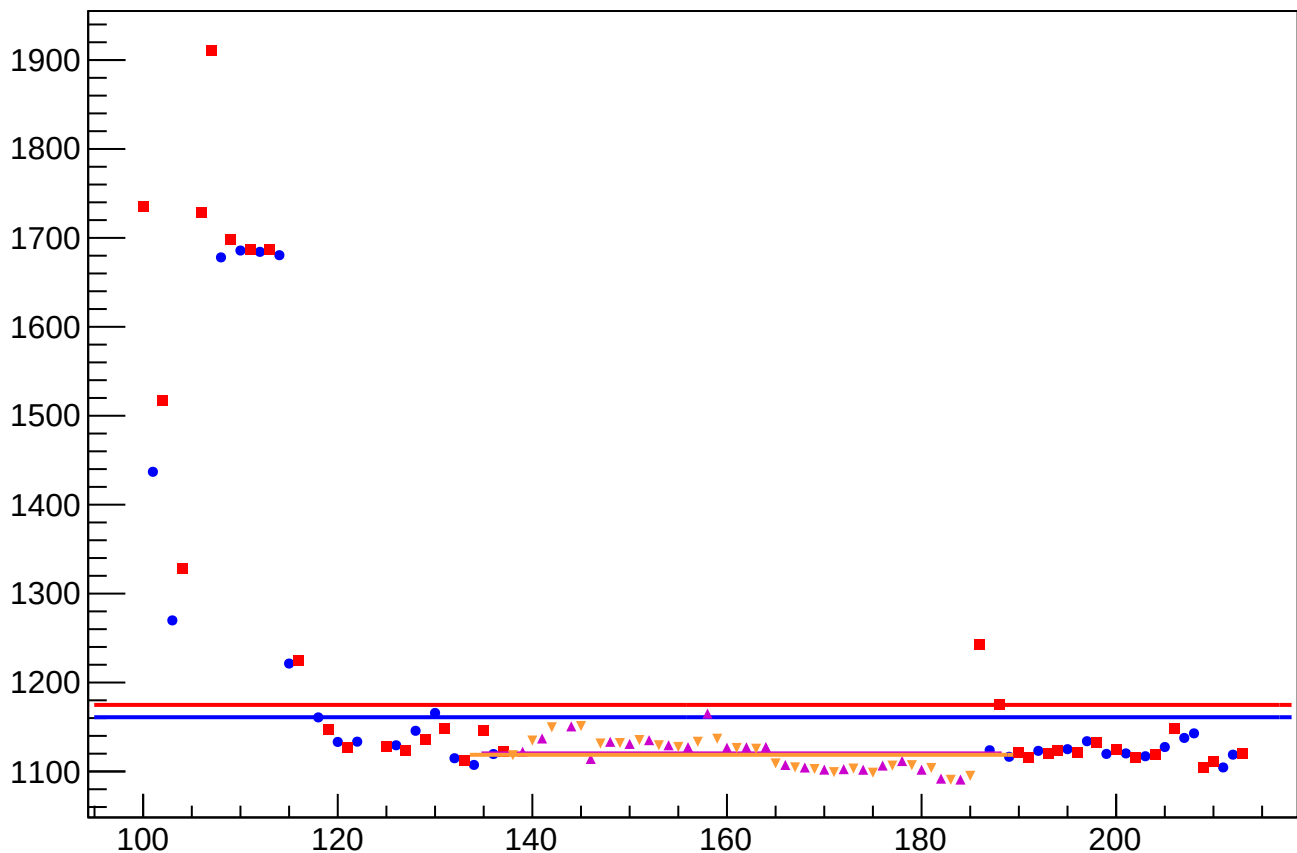
Left In: -88.370 $\pm$ 261.602 χ^2 /NDF:20.9/22

+ sign 188.073 $\pm$ 190.182 χ^2 /NDF: 42.3/52

All: -42.721 $\pm$ 133.947 χ^2 /NDF: 107.8/108

- sign -269.896 $\pm$ 188.685 χ^2 /NDF: 62.6/55

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1160.984 $\pm$ 0.198 χ^2 /NDF: 355741.1/28

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1174.834 $\pm$ 0.193 χ^2 /NDF: 565432.5/32

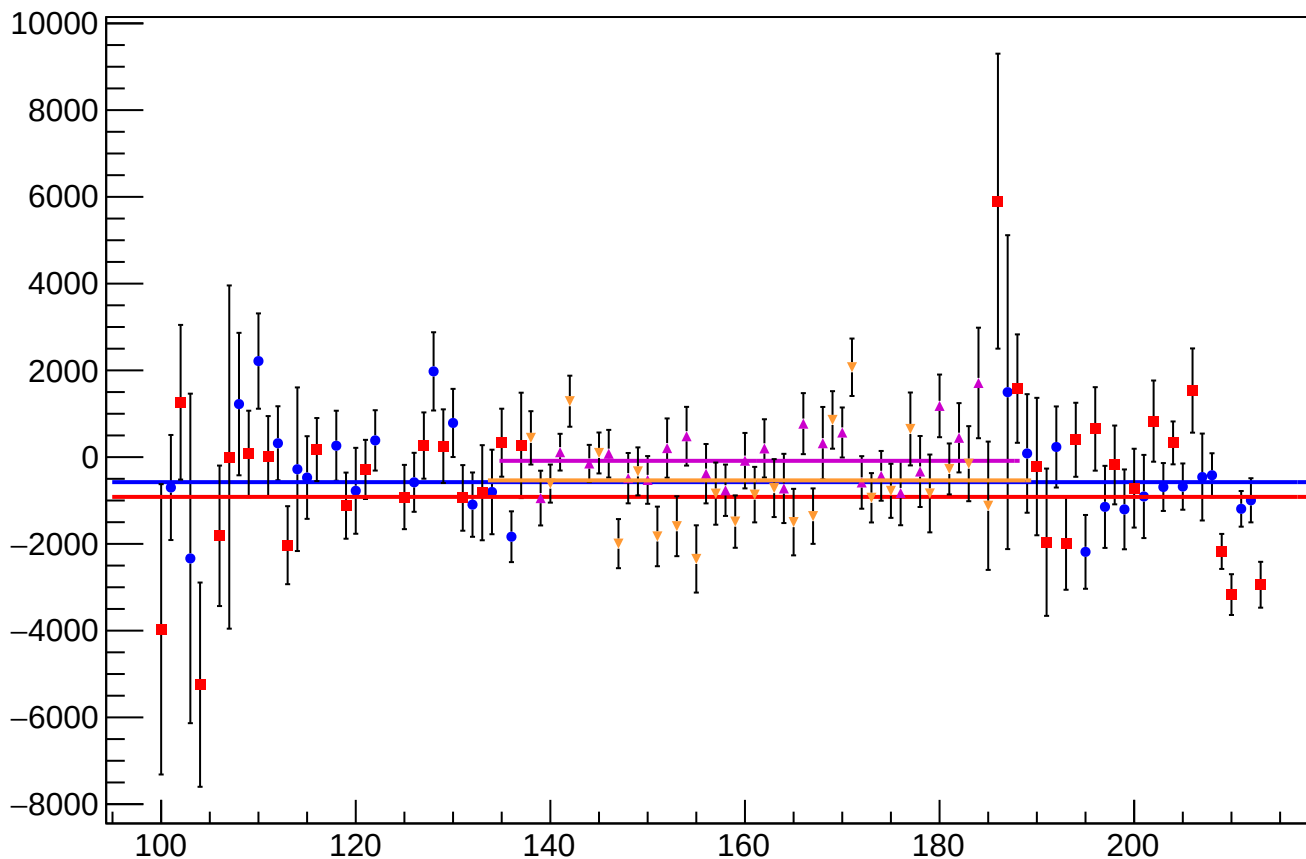
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1138.320 $\pm$ 0.134 χ^2 /NDF: 388492.2/52

All: 1142.426 $\pm$ 0.095 χ^2 /NDF: 1006939.0/10

- sign 1146.468 $\pm$ 0.133 χ^2 /NDF: 616596.8/55

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -576.521 ± 144.142 χ^2/NDF : 37.2/28

Left Out: -535.930 ± 130.646 χ^2/NDF : 61.6/23

Right Out: -916.737 ± 144.694 χ^2/NDF : 99.5/32

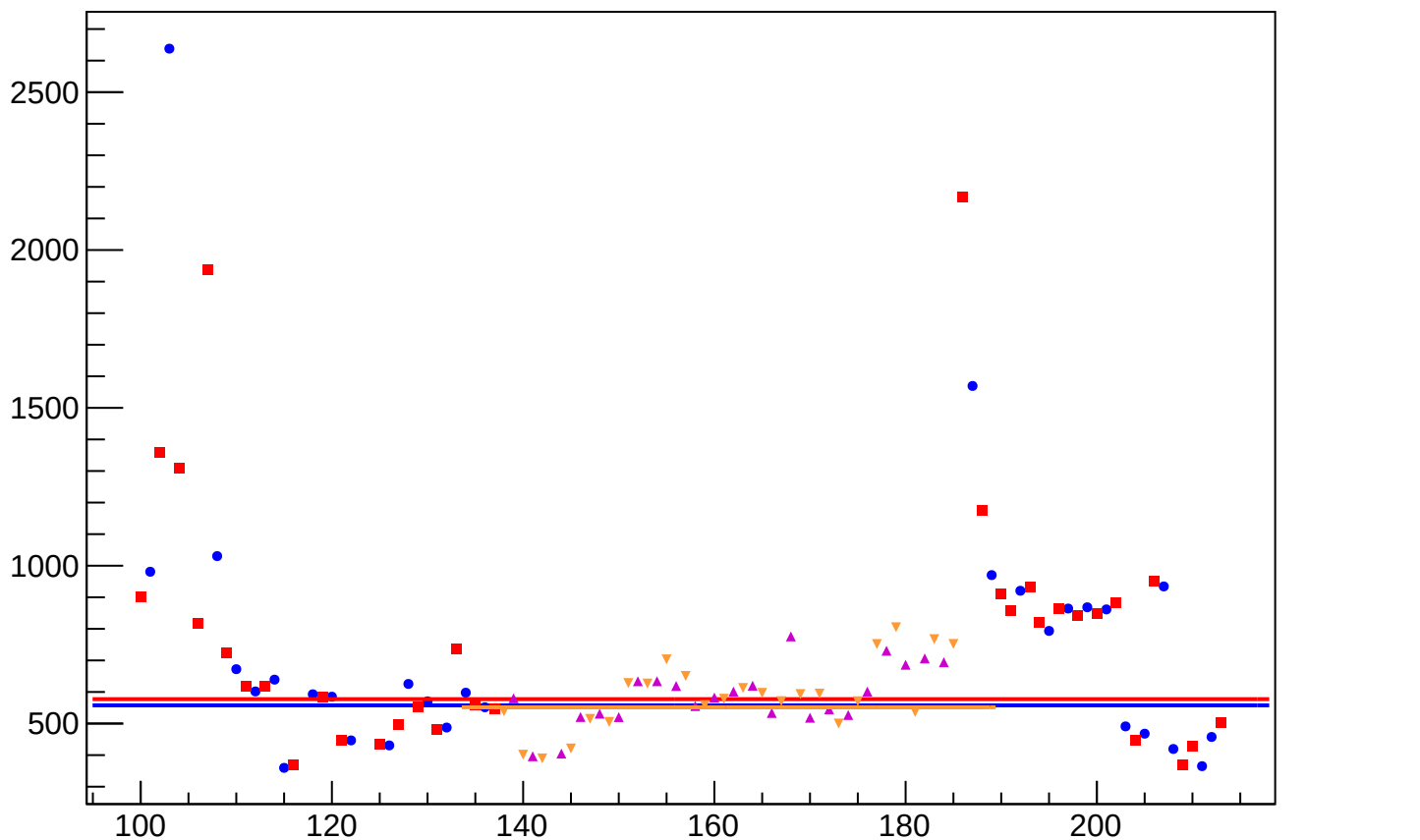
Left In: -85.243 ± 130.966 χ^2/NDF : 17.1/22

+ sign -554.236 ± 96.801 χ^2/NDF : 98.8/52

All: -507.104 ± 68.554 χ^2/NDF : 234.0/108

- sign -459.682 ± 97.098 χ^2/NDF : 134.7/55

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 557.705 $\pm$ 0.102 χ^2 /NDF: 3753671.5/28

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 577.345 $\pm$ 0.102 χ^2 /NDF: 4712819.4/32

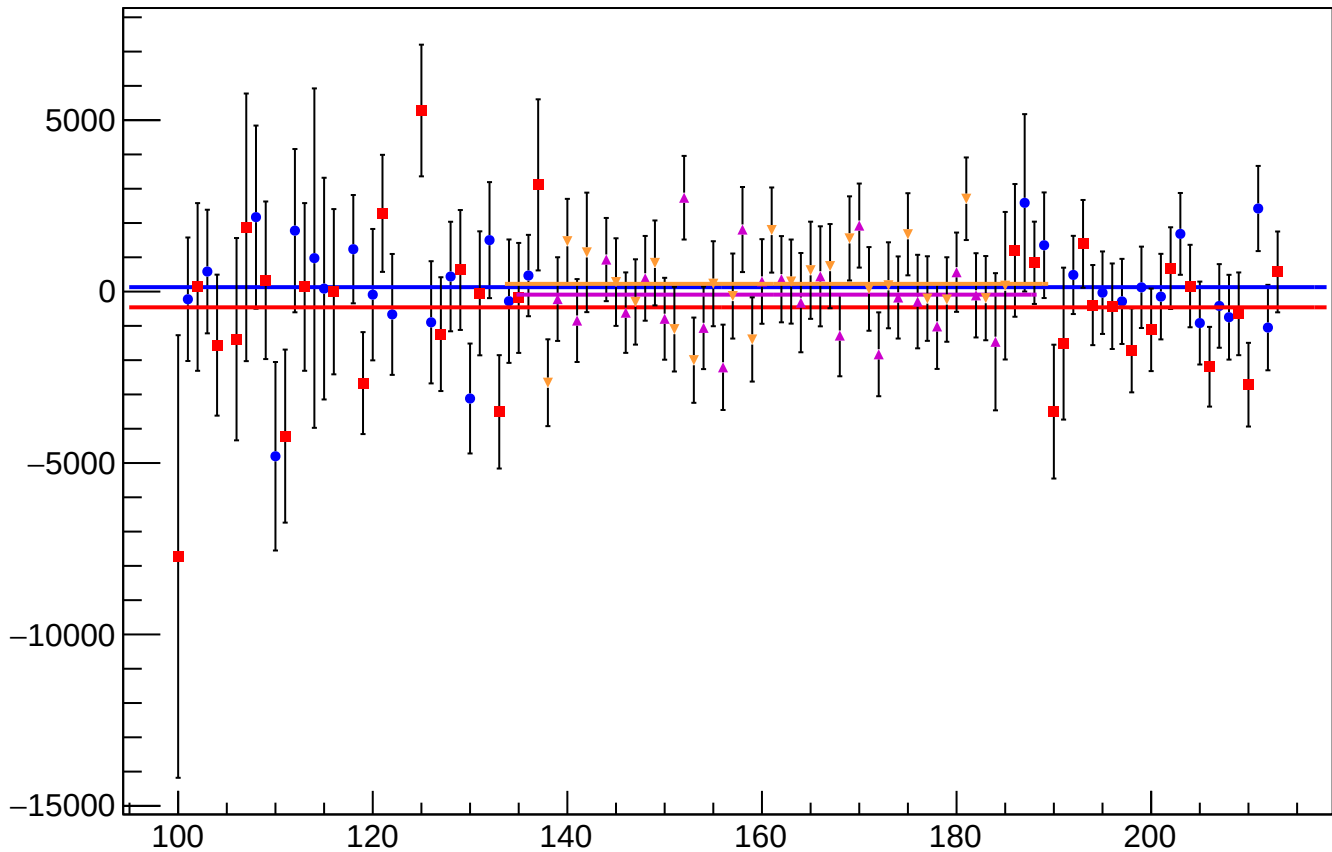
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 554.265 $\pm$ 0.068 χ^2 /NDF: 4982378.2/52

All: 558.643 $\pm$ 0.048 χ^2 /NDF: 10800660.1/10

- sign 563.048 $\pm$ 0.069 χ^2 /NDF: 5810074.4/55

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 129.232 $\pm$ 280.630 χ^2 /NDF: 19.7/28

Left Out: 225.663 $\pm$ 259.829 χ^2 /NDF:22.2/23

Right Out: -459.061 $\pm$ 274.680 χ^2 /NDF: 40.0/32

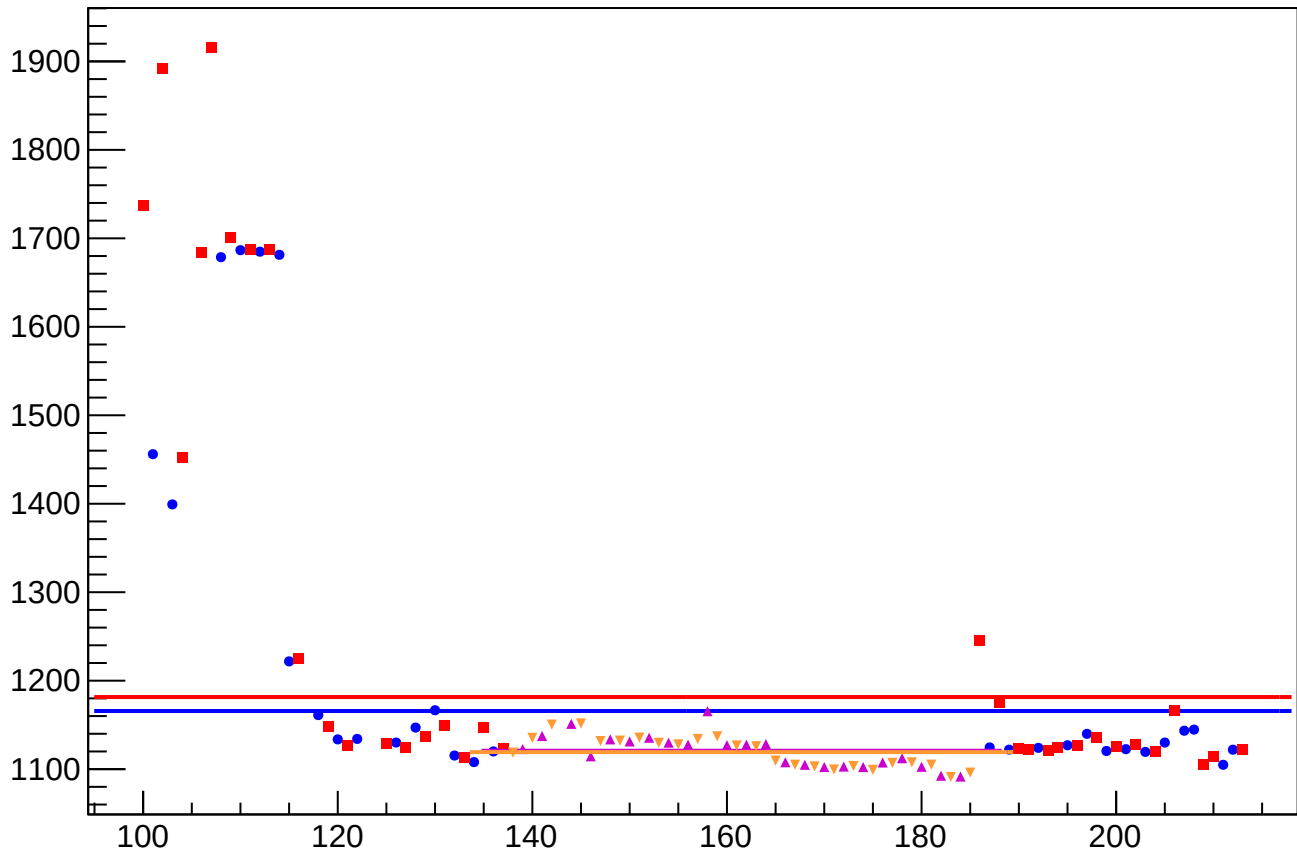
Left In: -89.078 $\pm$ 261.717 χ^2 /NDF:20.6/22

+ sign 181.153 $\pm$ 190.657 χ^2 /NDF: 41.9/52

All: -43.373 $\pm$ 134.396 χ^2 /NDF: 106.2/108

- sign -265.133 $\pm$ 189.479 χ^2 /NDF: 61.5/55

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1165.748 $\pm$ 0.198 χ^2 /NDF: 383870.2/28

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1181.499 $\pm$ 0.194 χ^2 /NDF: 685265.5/32

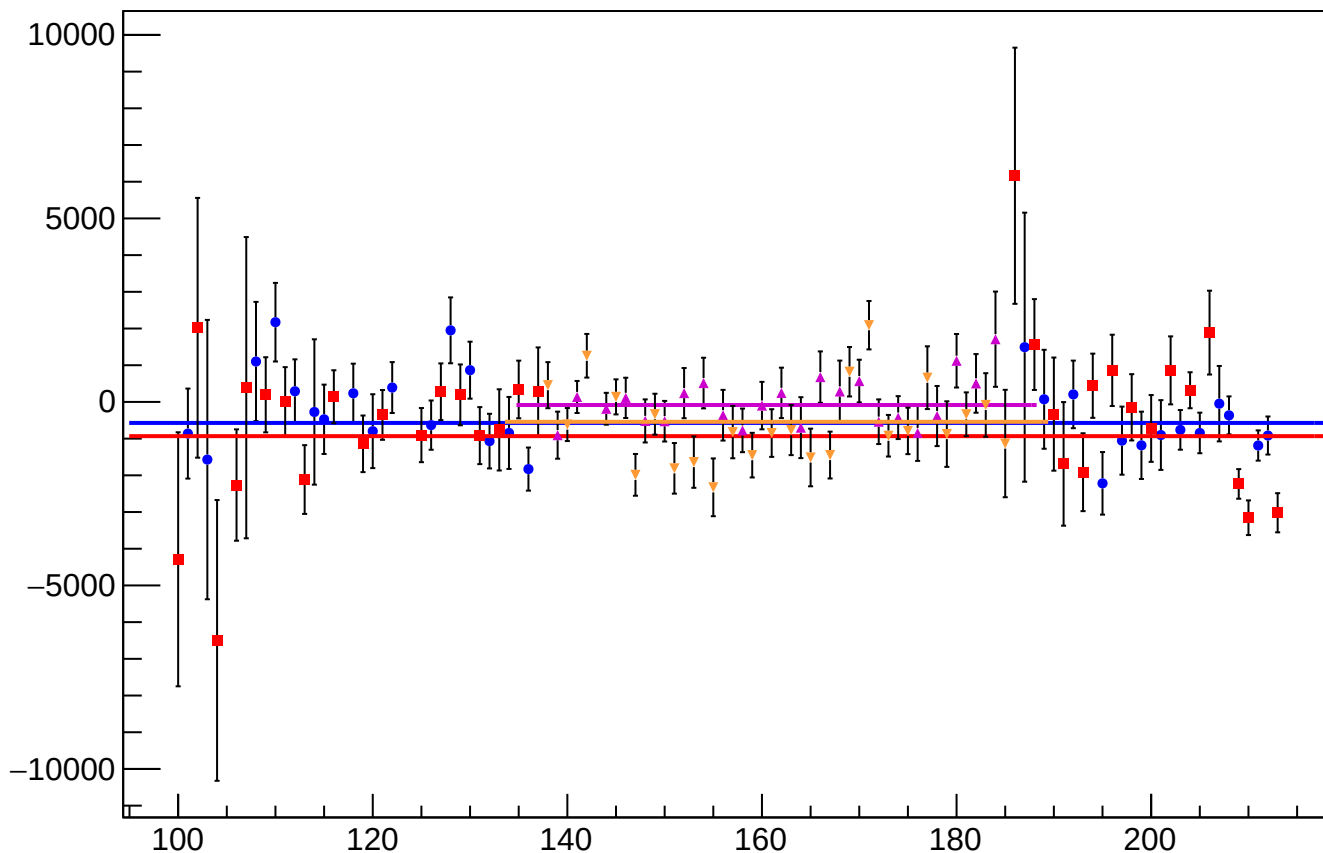
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1140.716 $\pm$ 0.135 χ^2 /NDF: 421567.1/52

All: 1145.228 $\pm$ 0.095 χ^2 /NDF: 1169675.6/10

- sign 1149.684 $\pm$ 0.134 χ^2 /NDF: 745882.7/55

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -572.082 $\pm$ 144.673 χ^2 /NDF: 37.5/28

Left Out: -541.592 $\pm$ 132.012 χ^2 /NDF:60.9/23

Right Out: -932.453 $\pm$ 146.016 χ^2 /NDF: 99.7/32

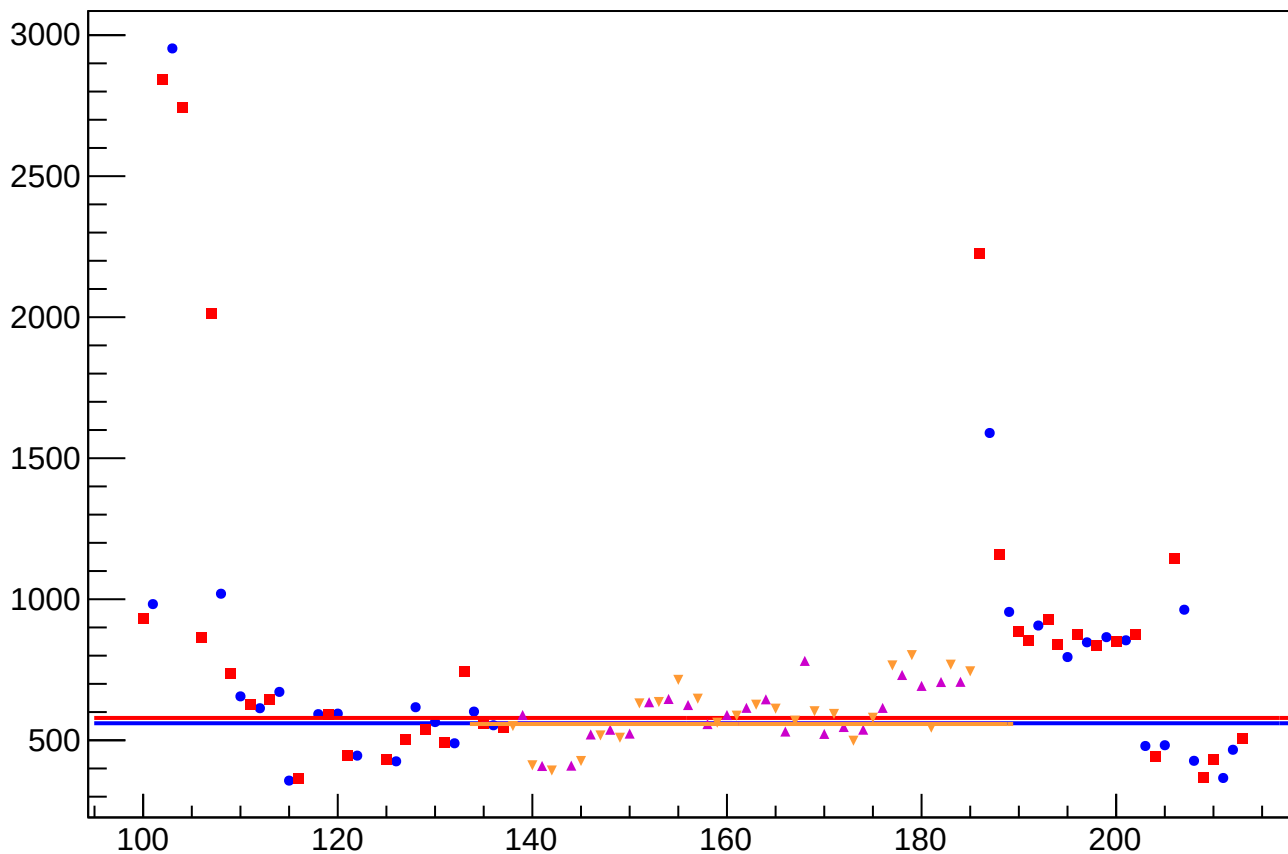
Left In: -84.122 $\pm$ 132.548 χ^2 /NDF:16.4/22

+ sign -555.445 $\pm$ 97.516 χ^2 /NDF: 98.4/52

All: -511.688 $\pm$ 69.175 χ^2 /NDF: 233.4/108

- sign -467.367 $\pm$ 98.143 χ^2 /NDF: 134.6/55

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 560.334 $\pm$ 0.102 χ^2 /NDF: 3882112.3/28

Left Out: 557.592 $\pm$ 0.093 χ^2 /NDF:1193270.2/23

Right Out: 579.156 $\pm$ 0.103 χ^2 /NDF: 5844852.6/32

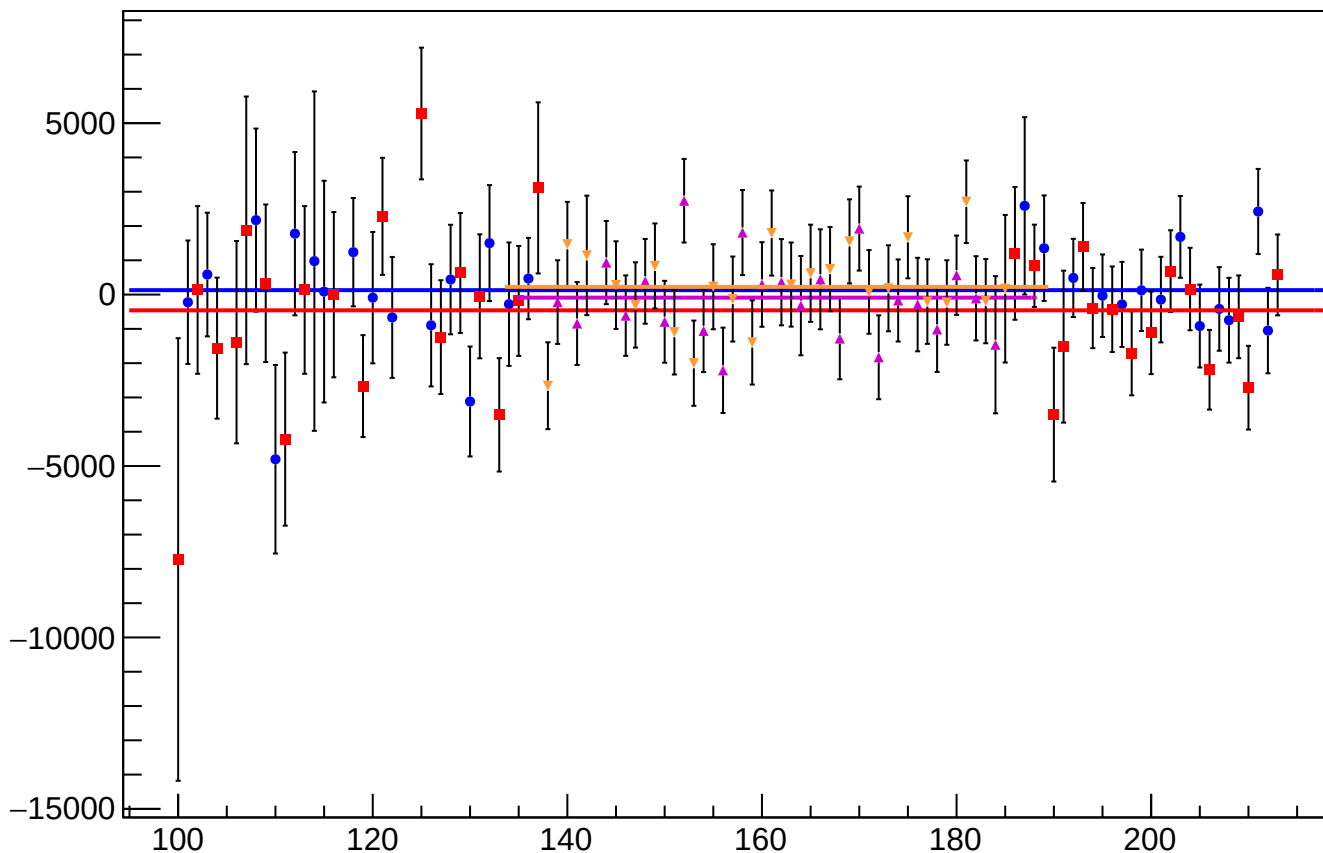
Left In: 558.393 $\pm$ 0.094 χ^2 /NDF:1027814.4/22

+ sign 558.838 $\pm$ 0.069 χ^2 /NDF: 5075774.5/52

All: 563.277 $\pm$ 0.049 χ^2 /NDF: 11978954.4/10

- sign 567.773 $\pm$ 0.069 χ^2 /NDF: 6894837.6/55

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 129.233+/-280.630 χ^2/NDF : 19.7/28

Left Out: 225.661+/-259.829 χ^2/NDF : 22.2/23

Right Out: -459.060+/-274.680 χ^2/NDF : 40.0/32

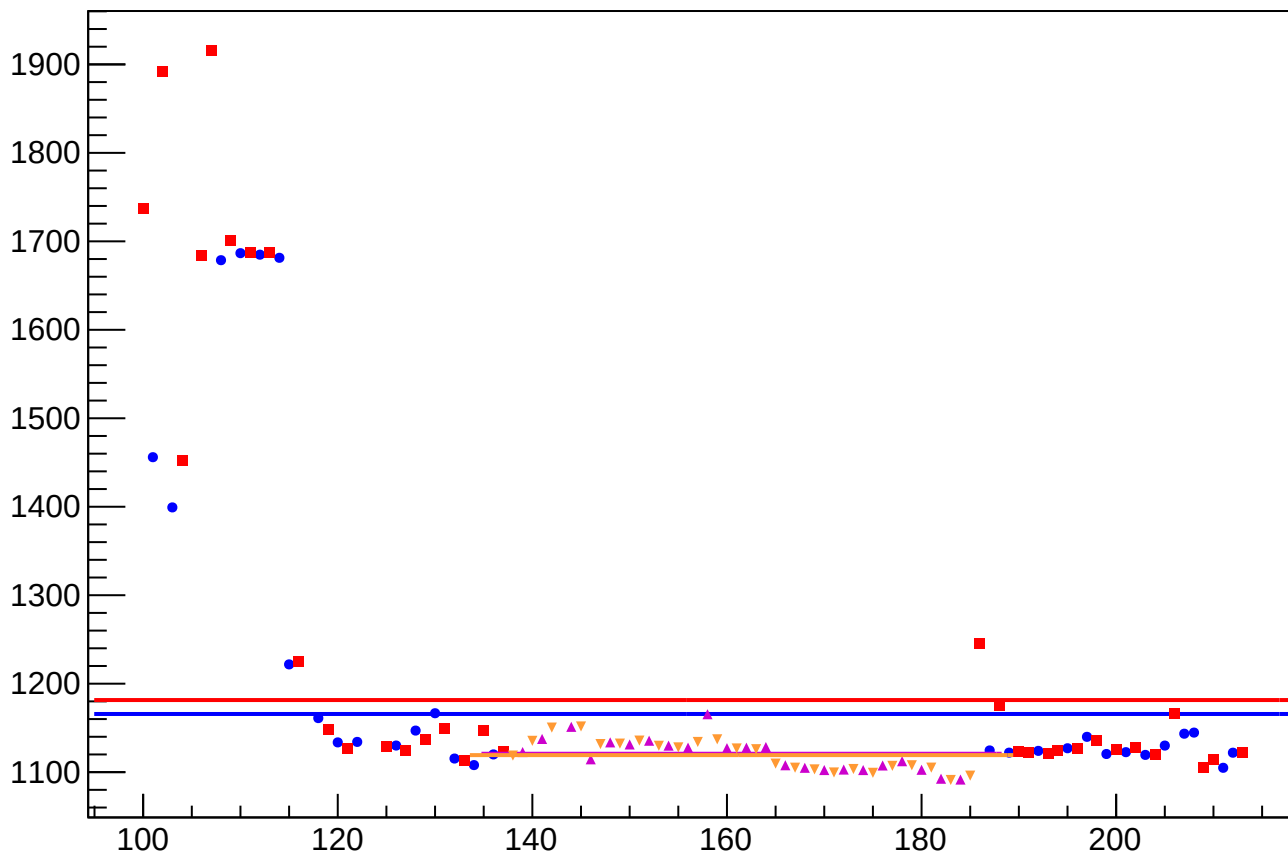
Left In: -89.079+/-261.717 χ^2/NDF : 20.6/22

+ sign 181.153+/-190.657 χ^2/NDF : 41.9/52

All: -43.373+/-134.396 χ^2/NDF : 106.2/108

- sign -265.133+/-189.479 χ^2/NDF : 61.5/55

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1165.748 $\pm$ 0.198 χ^2 /NDF: 383869.7/28

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1181.499 $\pm$ 0.194 χ^2 /NDF: 685264.8/32

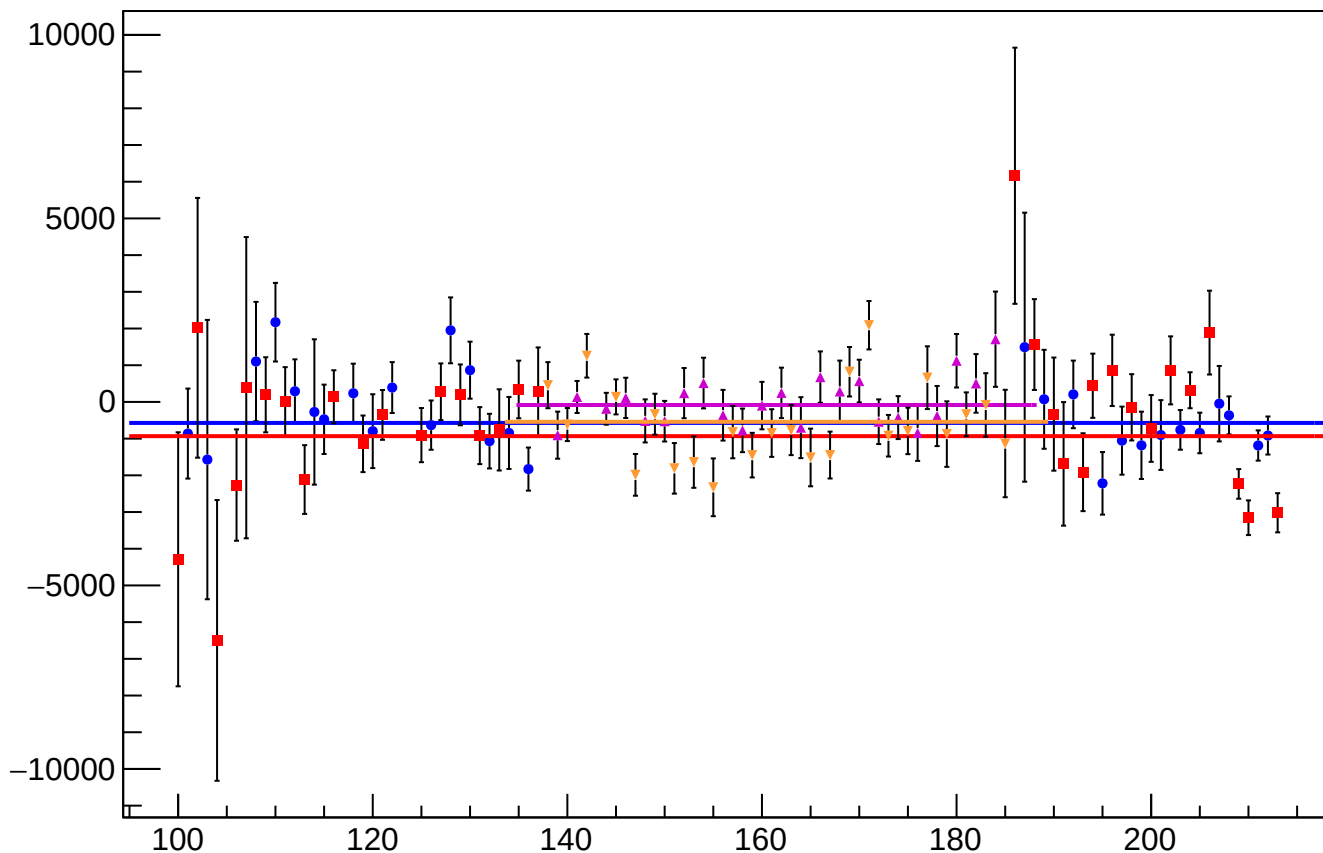
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1140.716 $\pm$ 0.135 χ^2 /NDF: 421566.6/52

All: 1145.228 $\pm$ 0.095 χ^2 /NDF: 1169674.4/10

- sign 1149.684 $\pm$ 0.134 χ^2 /NDF: 745882.0/55

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -572.082 $\pm$ 144.673 χ^2 /NDF: 37.5/28

Left Out: -541.591 $\pm$ 132.012 χ^2 /NDF:60.9/23

Right Out: -932.454 $\pm$ 146.016 χ^2 /NDF: 99.7/32

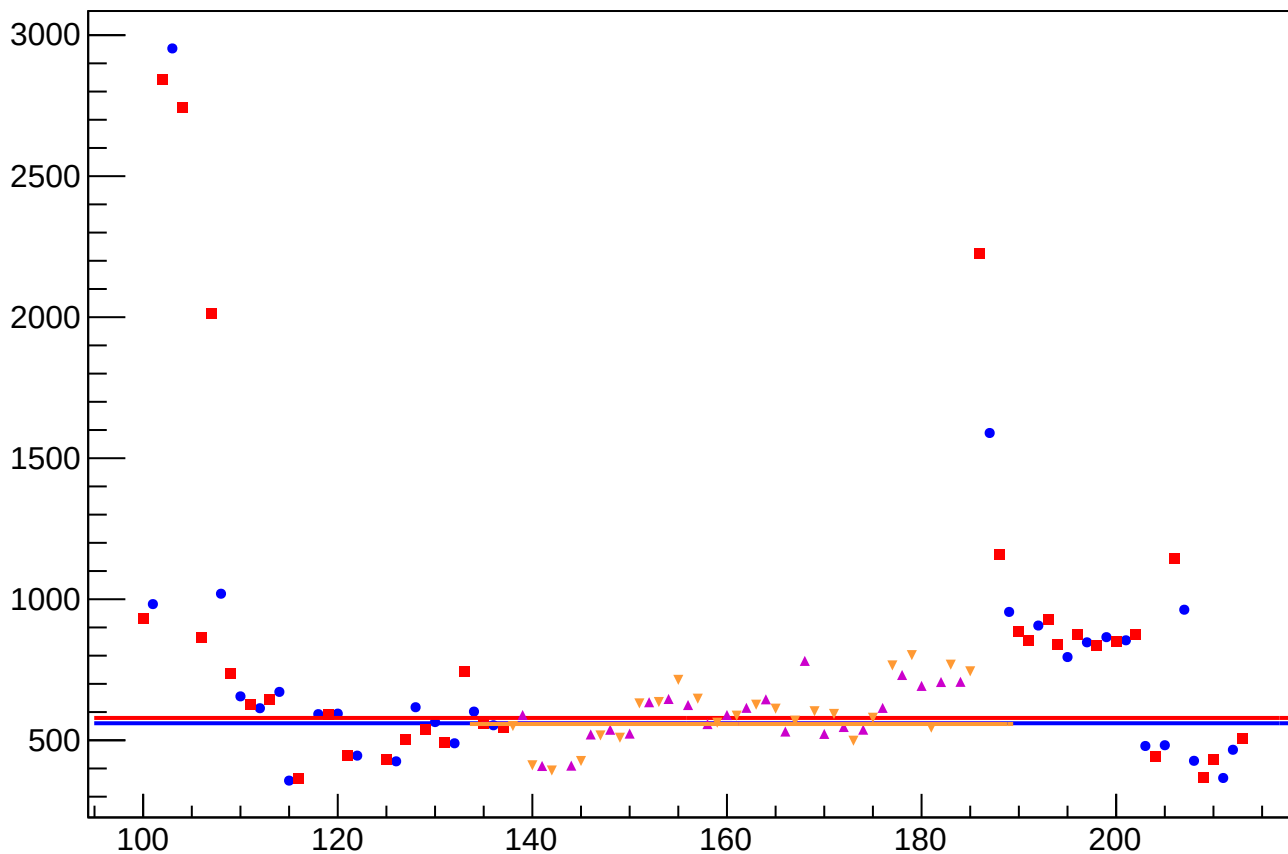
Left In: -84.122 $\pm$ 132.548 χ^2 /NDF:16.4/22

+ sign -555.444 $\pm$ 97.516 χ^2 /NDF: 98.4/52

All: -511.688 $\pm$ 69.175 χ^2 /NDF: 233.4/108

- sign -467.367 $\pm$ 98.143 χ^2 /NDF: 134.6/55

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 560.334 $\pm$ 0.102 χ^2 /NDF: 3882114.4/28

Left Out: 557.591 $\pm$ 0.093 χ^2 /NDF:1193291.2/23

Right Out: 579.156 $\pm$ 0.103 χ^2 /NDF: 5844860.1/32

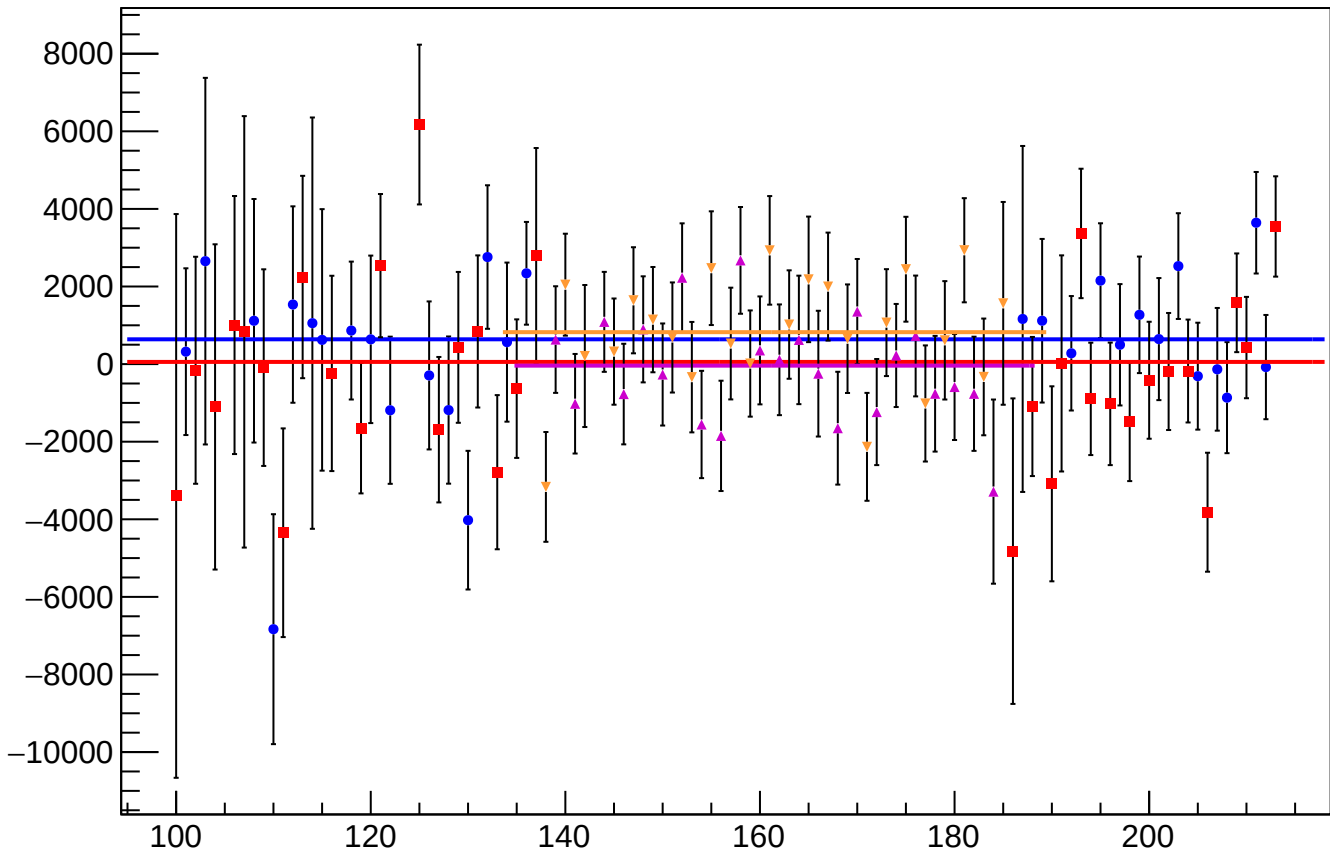
Left In: 558.392 $\pm$ 0.094 χ^2 /NDF:1027828.9/22

+ sign 558.837 $\pm$ 0.069 χ^2 /NDF: 5075797.8/52

All: 563.276 $\pm$ 0.049 χ^2 /NDF: 11979000.5/10

- sign 567.773 $\pm$ 0.069 χ^2 /NDF: 6894860.2/55

asym_usl_atl1_dd_mean vs Slug



Right In: 638.908 ± 332.018 χ^2/NDF : 29.2/28

Left Out: 823.319 ± 294.835 χ^2/NDF : 26.2/23

Right Out: 56.293 ± 327.723 χ^2/NDF : 44.4/32

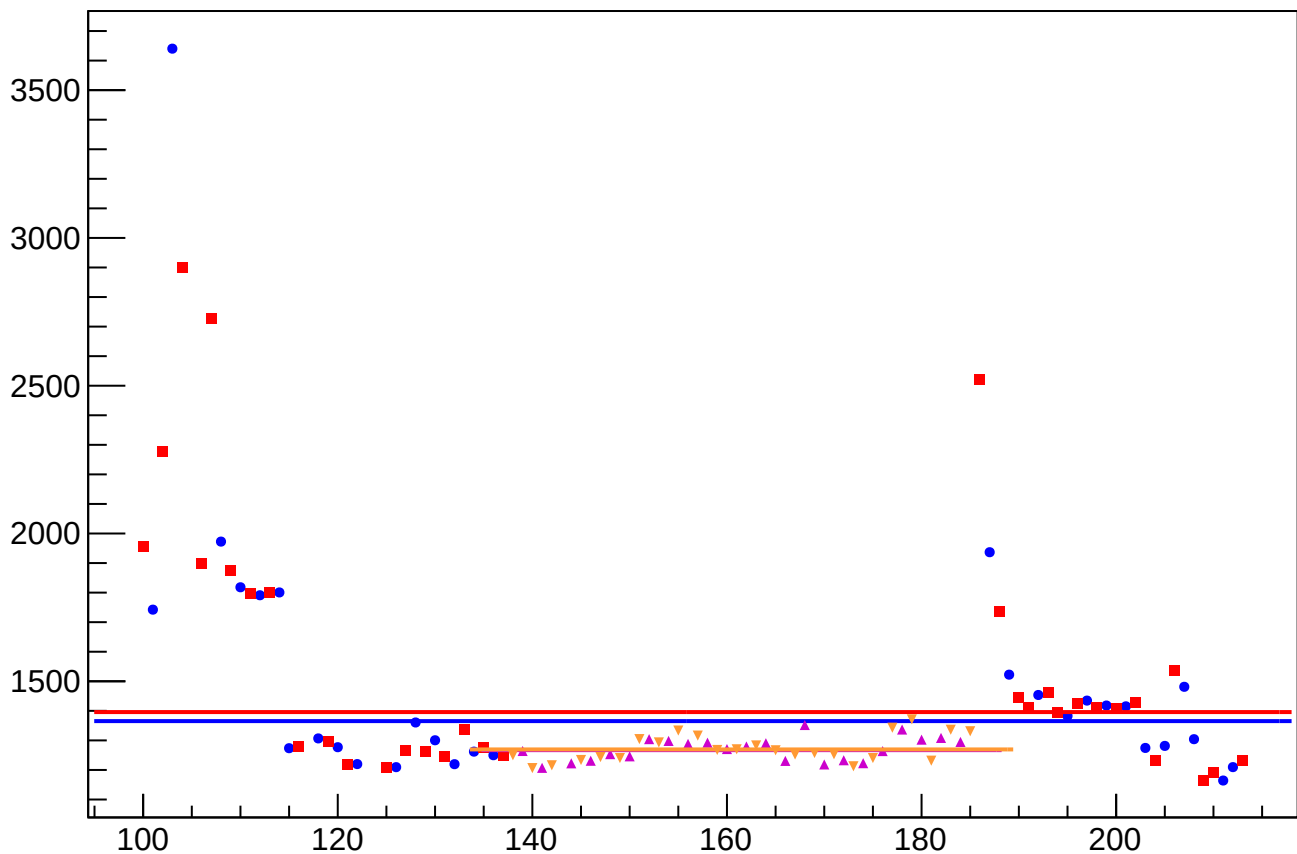
Left In: -39.696 ± 296.006 χ^2/NDF : 17.9/22

+ sign 742.014 ± 220.459 χ^2/NDF : 55.6/52

All: 371.394 ± 155.607 χ^2/NDF : 123.6/108

- sign 3.430 ± 219.667 χ^2/NDF : 62.3/55

asym_usl_atl1_dd_rms vs Slug



Right In: 1365.274+/-0.235 χ^2/NDF : 948966.2/28

Left Out: 1269.441+/-0.208 χ^2/NDF : 43040.3/23

Right Out: 1395.859+/-0.232 χ^2/NDF : 1303559.1/32

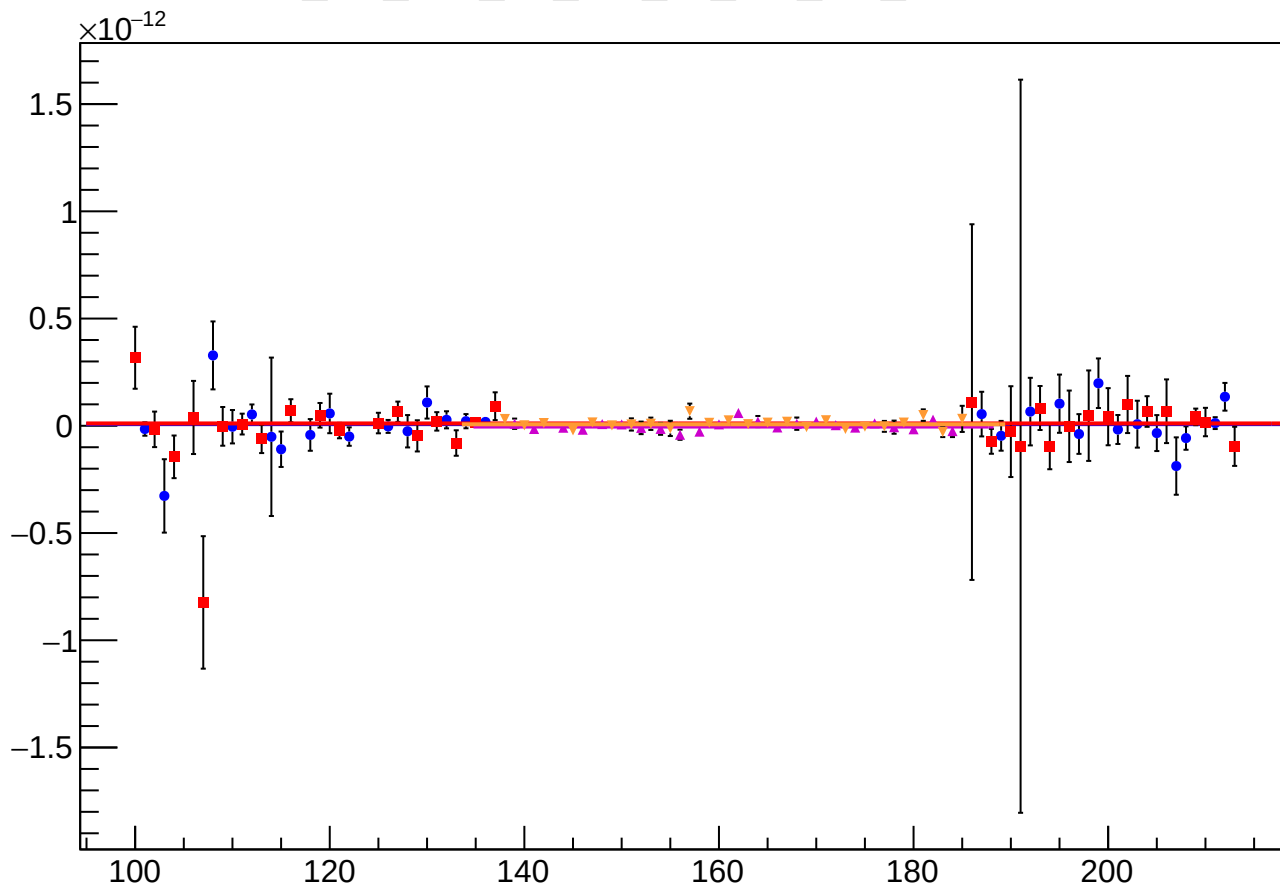
Left In: 1267.066+/-0.209 χ^2/NDF : 34547.0/22

+ sign 1311.693+/-0.156 χ^2/NDF : 1085168.4/52

All: 1318.335+/-0.110 χ^2/NDF : 2597003.8/10

- sign 1324.930+/-0.155 χ^2/NDF : 1508217.1/55

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/32

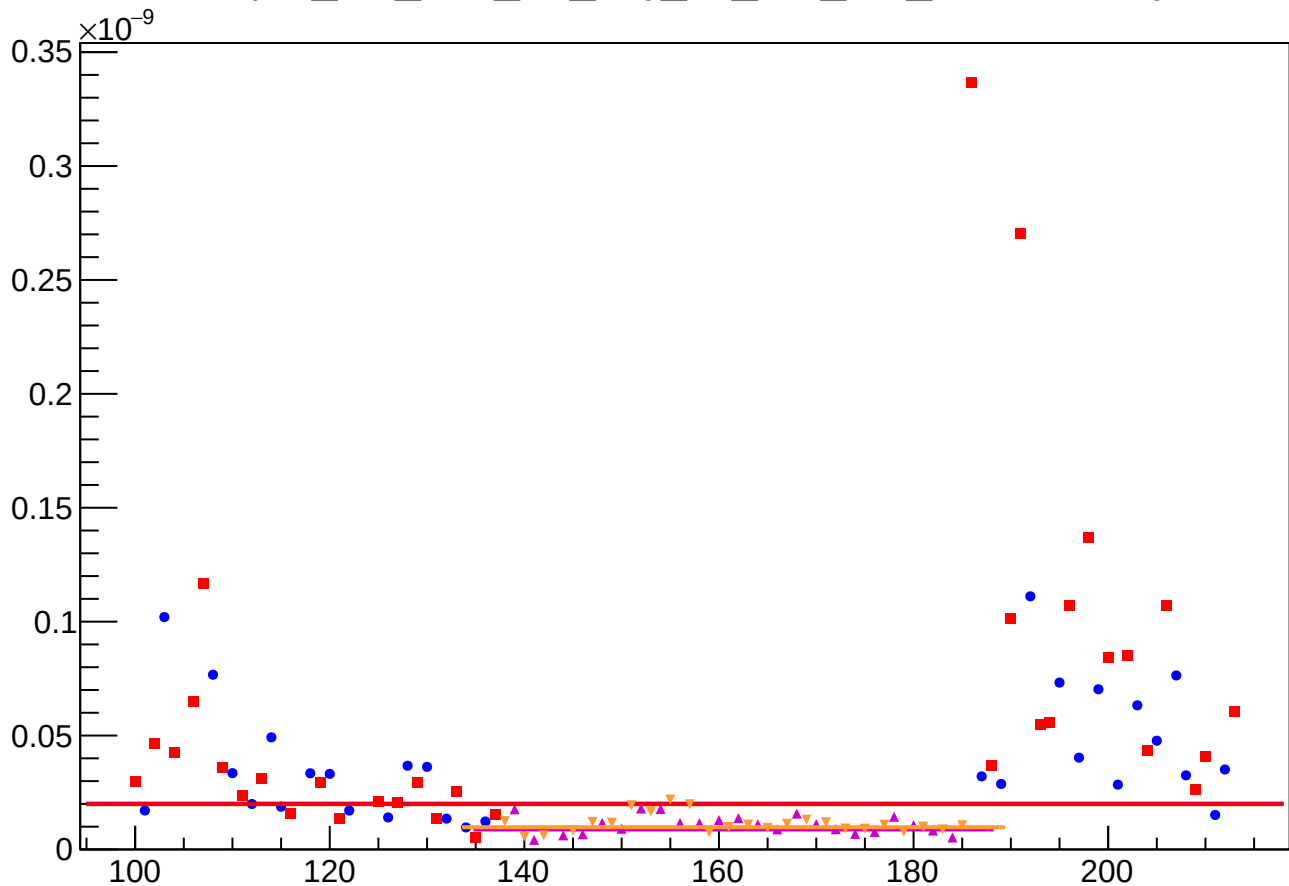
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.9/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 107.9/108

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 55.9/55

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4472210.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7731867.5/32

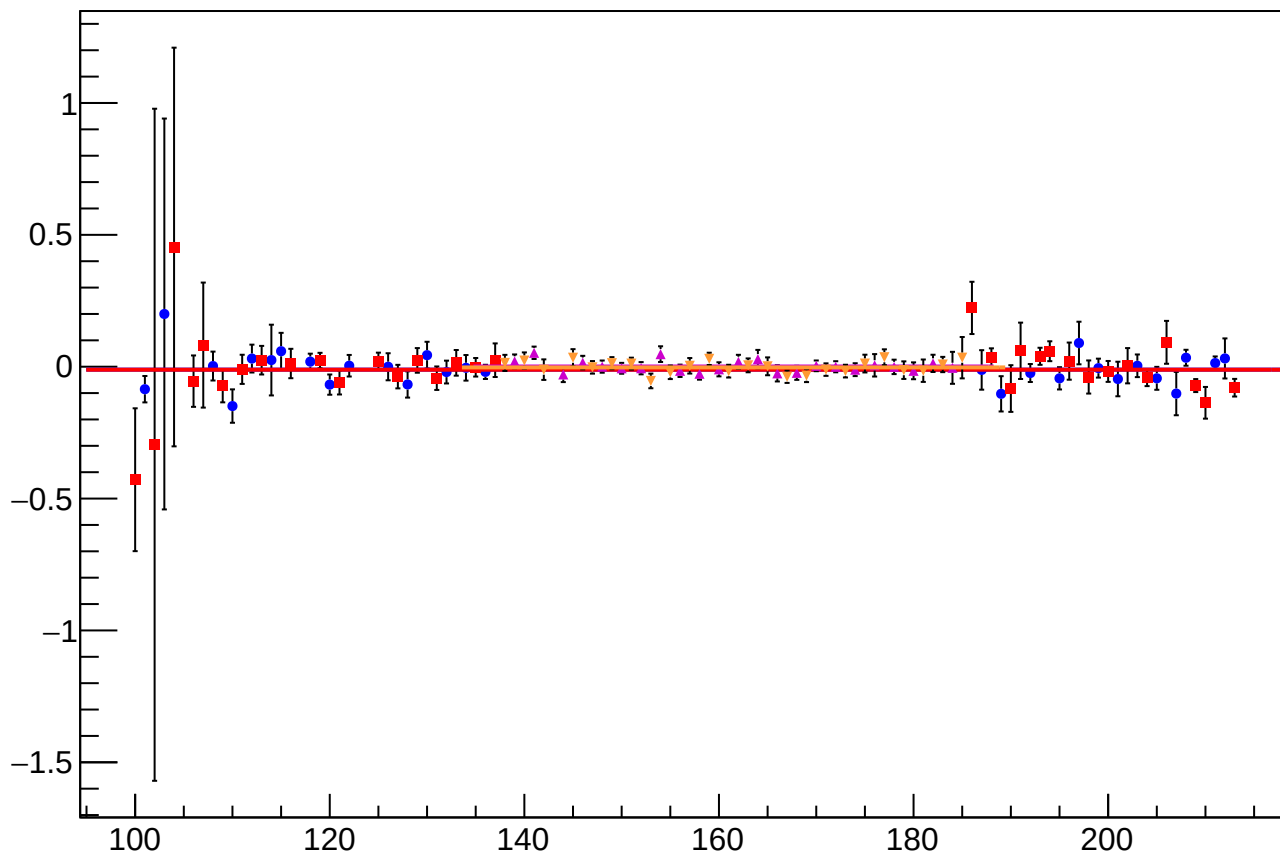
Left In: 0.000+/-0.000 χ^2/NDF : 1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 7914338.8/52

All: 0.000+/-0.000 χ^2/NDF : 20015035.9/108

- sign 0.000+/-0.000 χ^2/NDF : 11998102.8/55

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.008 χ^2/NDF : 24.7/28

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.011 ± 0.008 χ^2/NDF : 42.0/32

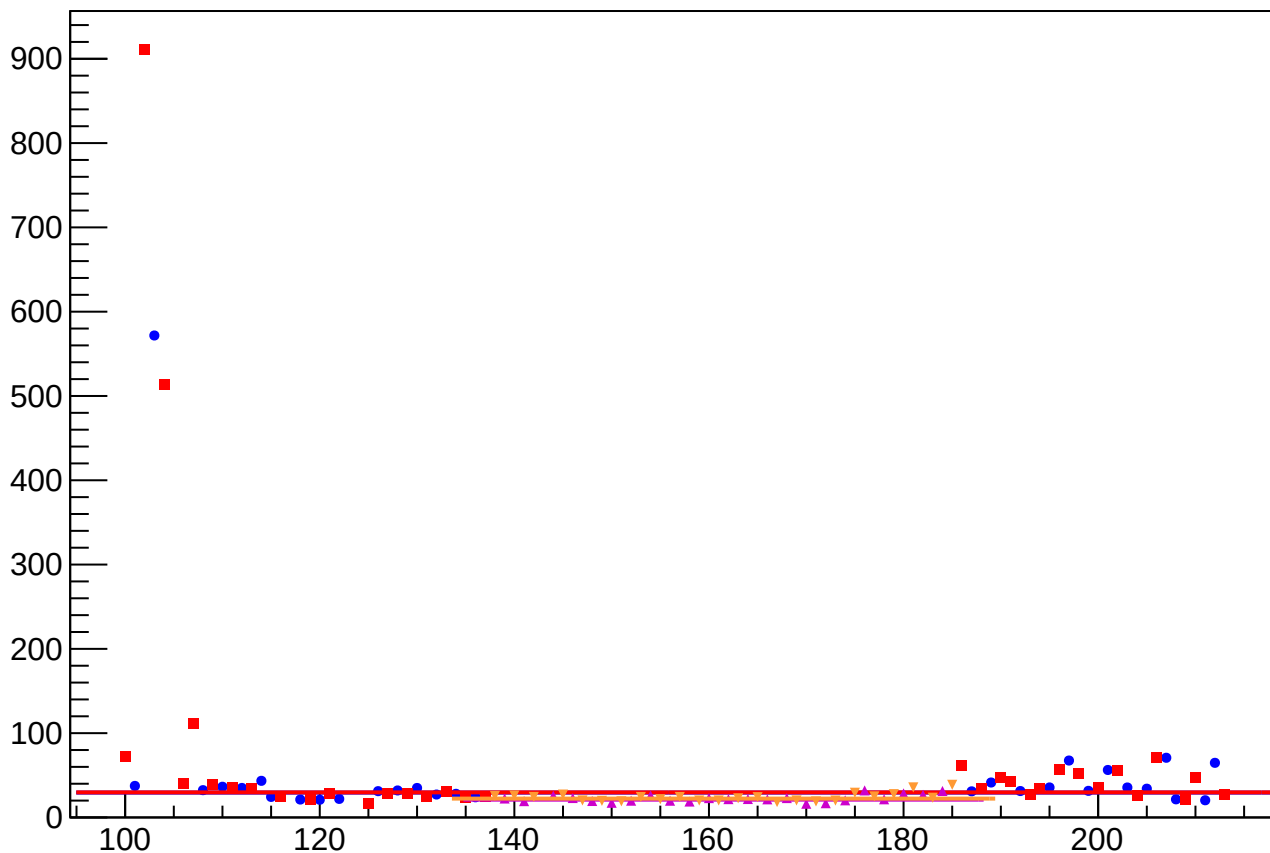
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 41.8/52

All: -0.004 ± 0.003 χ^2/NDF : 100.4/108

- sign -0.003 ± 0.005 χ^2/NDF : 58.4/55

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.493+/-0.006 χ^2/NDF : 3941597.3/28

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 29.748+/-0.006 χ^2/NDF : 5042661.0/32

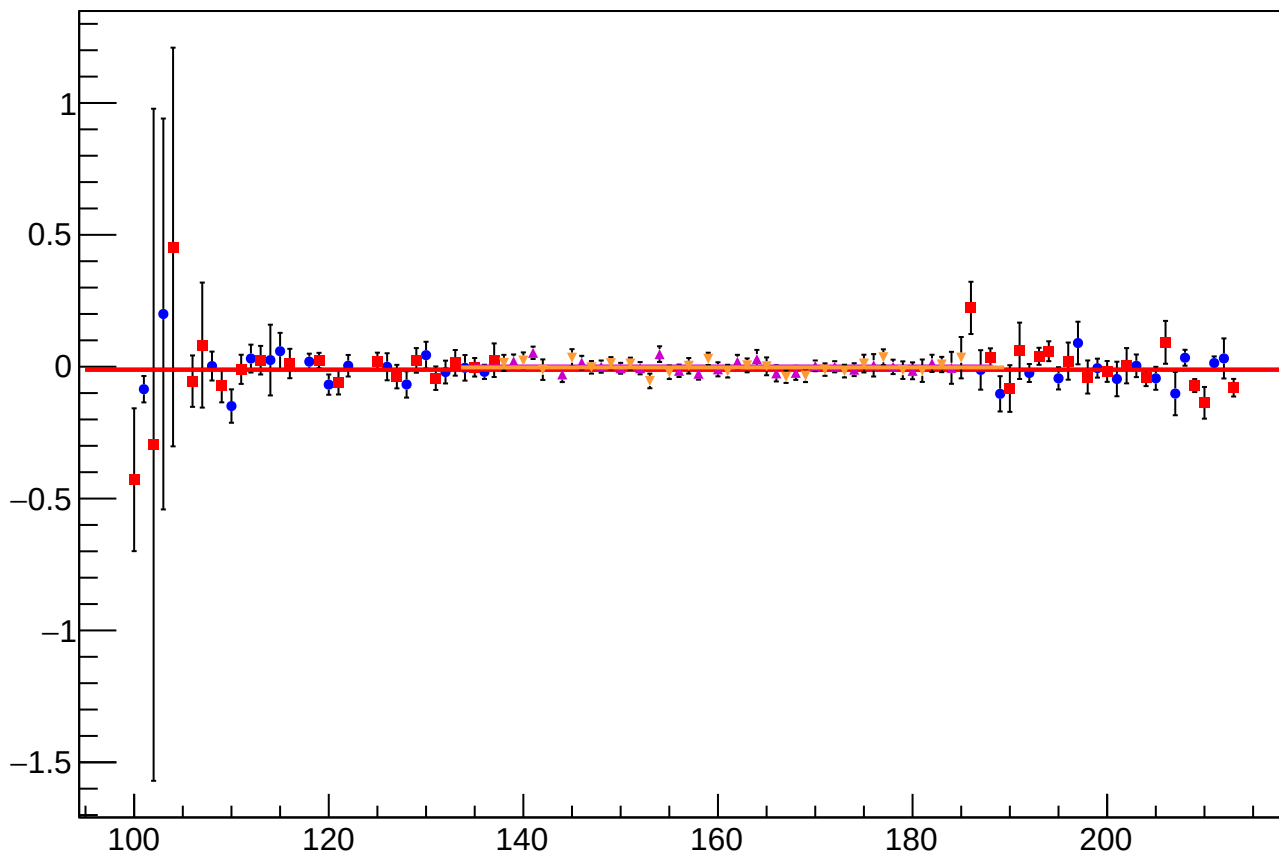
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 24.637+/-0.003 χ^2/NDF : 5766079.9/52

All: 24.188+/-0.002 χ^2/NDF : 13207776.8/108

- sign 23.766+/-0.003 χ^2/NDF : 7406100.4/55

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.008 χ^2/NDF : 24.7/28

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.011 ± 0.008 χ^2/NDF : 42.0/32

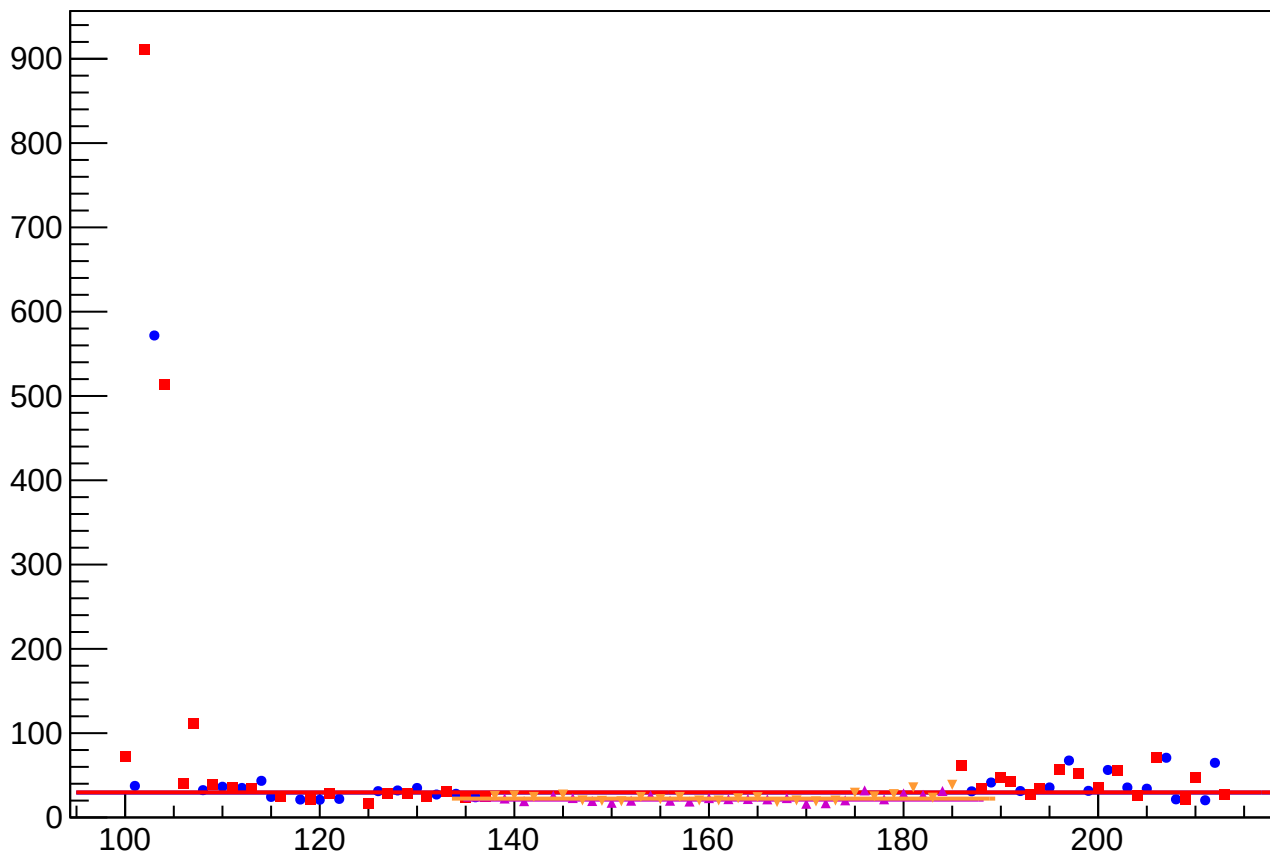
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 41.8/52

All: -0.004 ± 0.003 χ^2/NDF : 100.4/108

- sign -0.003 ± 0.005 χ^2/NDF : 58.4/55

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.493+/-0.006 χ^2/NDF : 3941597.3/28

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 29.748+/-0.006 χ^2/NDF : 5042661.0/32

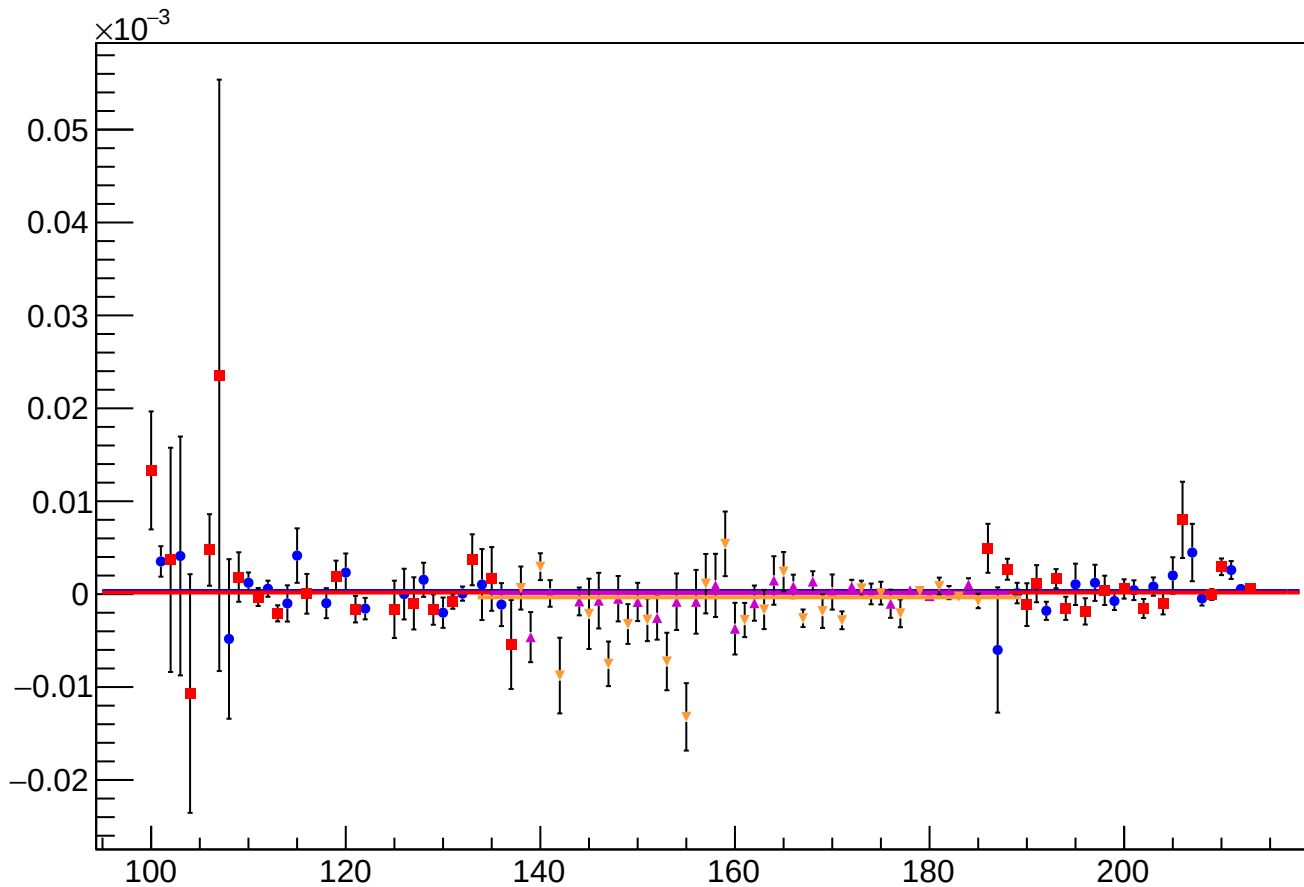
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 24.637+/-0.003 χ^2/NDF : 5766079.9/52

All: 24.188+/-0.002 χ^2/NDF : 13207776.8/108

- sign 23.766+/-0.003 χ^2/NDF : 7406100.4/55

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 31.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 68.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 56.5/32

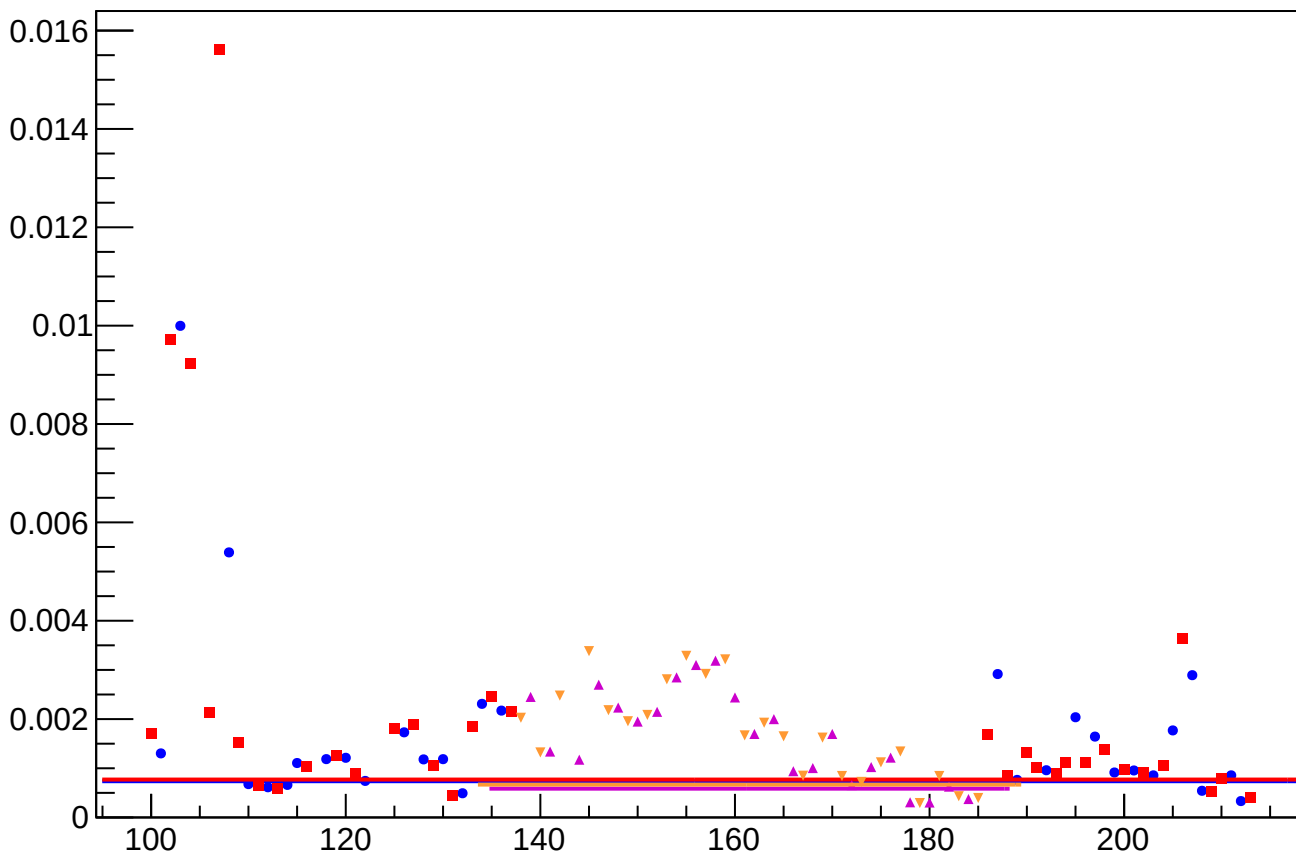
Left In: 0.000 ± 0.000 χ^2/NDF : 14.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 104.7/52

All: 0.000 ± 0.000 χ^2/NDF : 176.1/108

- sign 0.000 ± 0.000 χ^2/NDF : 70.7/55

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9308492.3/28

Left Out: 0.001+/-0.000 χ^2/NDF : 15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF : 8807017.2/32

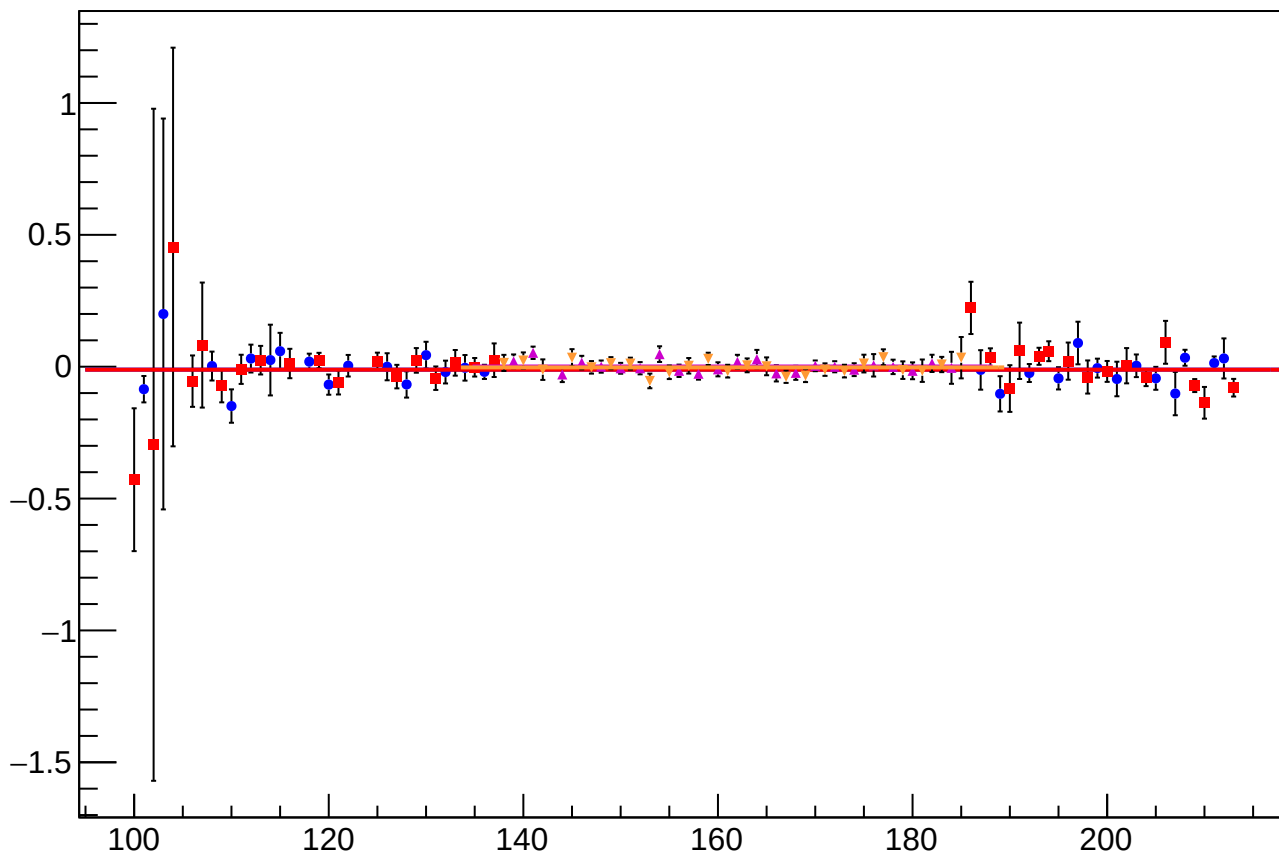
Left In: 0.001+/-0.000 χ^2/NDF : 15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 24791131.5/52

All: 0.001+/-0.000 χ^2/NDF : 50150134.4/108

- sign 0.001+/-0.000 χ^2/NDF : 25296517.1/55

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.008 χ^2/NDF : 24.7/28

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.011 ± 0.008 χ^2/NDF : 42.0/32

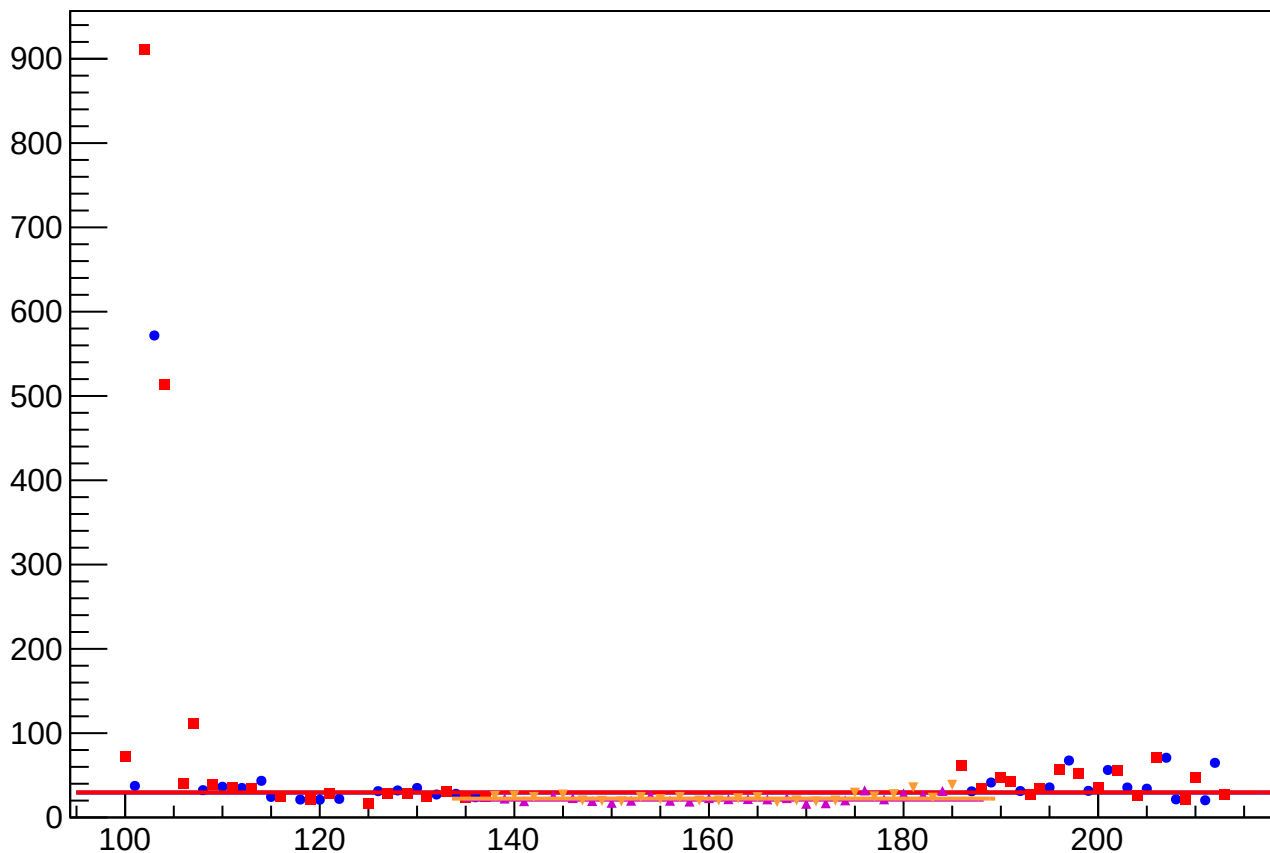
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 41.8/52

All: -0.004 ± 0.003 χ^2/NDF : 100.3/108

- sign -0.003 ± 0.005 χ^2/NDF : 58.4/55

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.493+/-0.006 χ^2/NDF : 3941649.0/28

Left Out: 22.355+/-0.004 χ^2/NDF : 816044.6/23

Right Out: 29.748+/-0.006 χ^2/NDF : 5042716.2/32

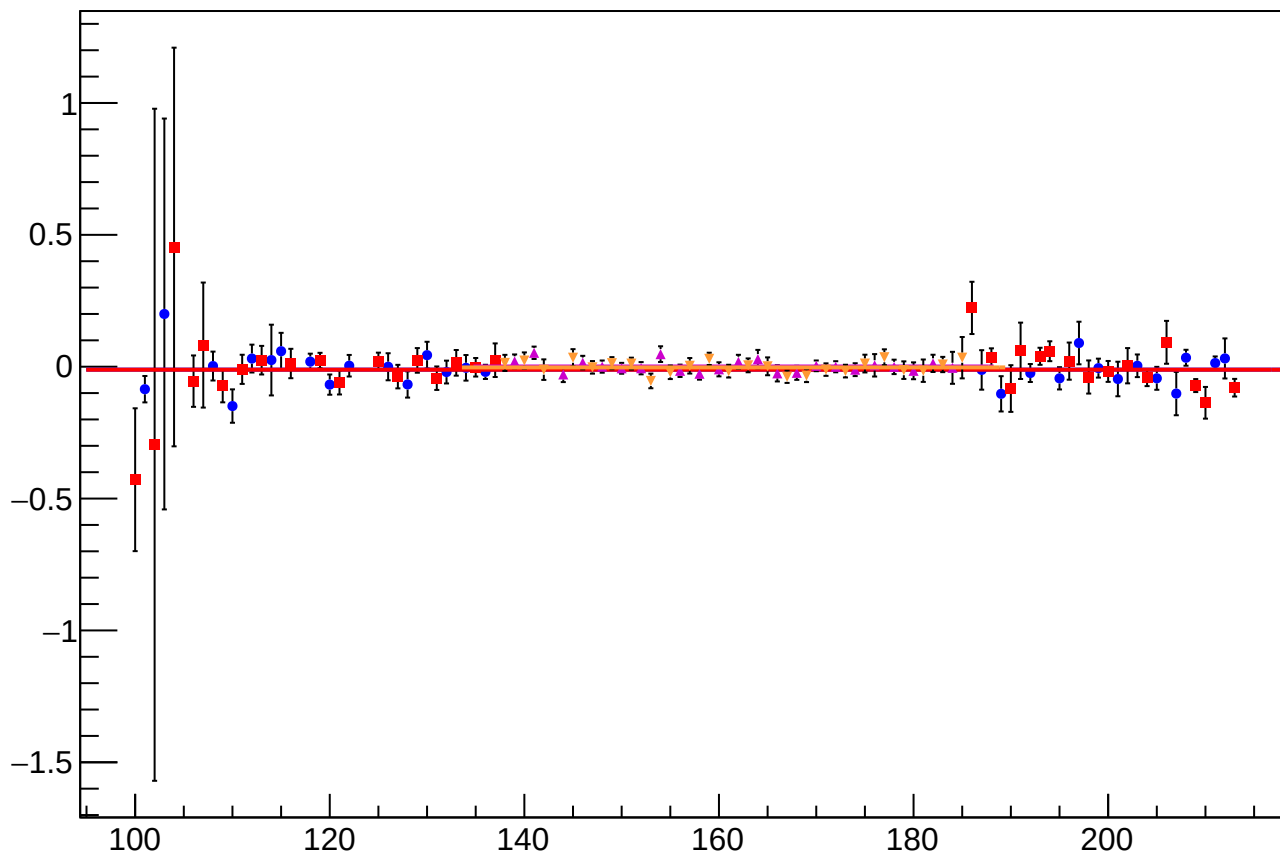
Left In: 21.099+/-0.004 χ^2/NDF : 819268.9/22

+ sign 24.637+/-0.003 χ^2/NDF : 5766118.9/52

All: 24.188+/-0.002 χ^2/NDF : 13207909.5/108

- sign 23.766+/-0.003 χ^2/NDF : 7406196.5/55

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.008 χ^2/NDF : 24.7/28

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: -0.011 ± 0.008 χ^2/NDF : 42.0/32

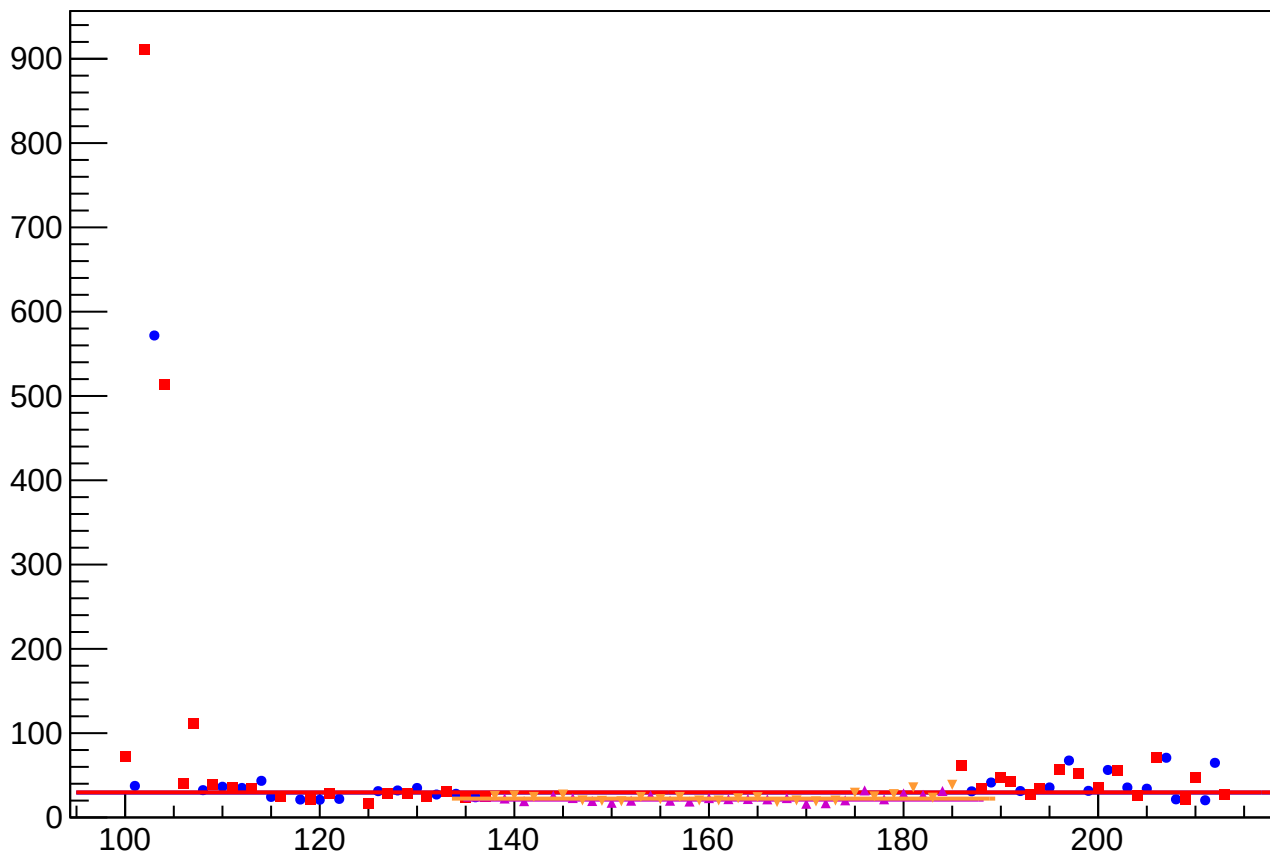
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.005 ± 0.005 χ^2/NDF : 41.8/52

All: -0.004 ± 0.003 χ^2/NDF : 100.3/108

- sign -0.003 ± 0.005 χ^2/NDF : 58.4/55

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.493+/-0.006 χ^2/NDF : 3941649.0/28

Left Out: 22.355+/-0.004 χ^2/NDF : 816044.6/23

Right Out: 29.748+/-0.006 χ^2/NDF : 5042716.2/32

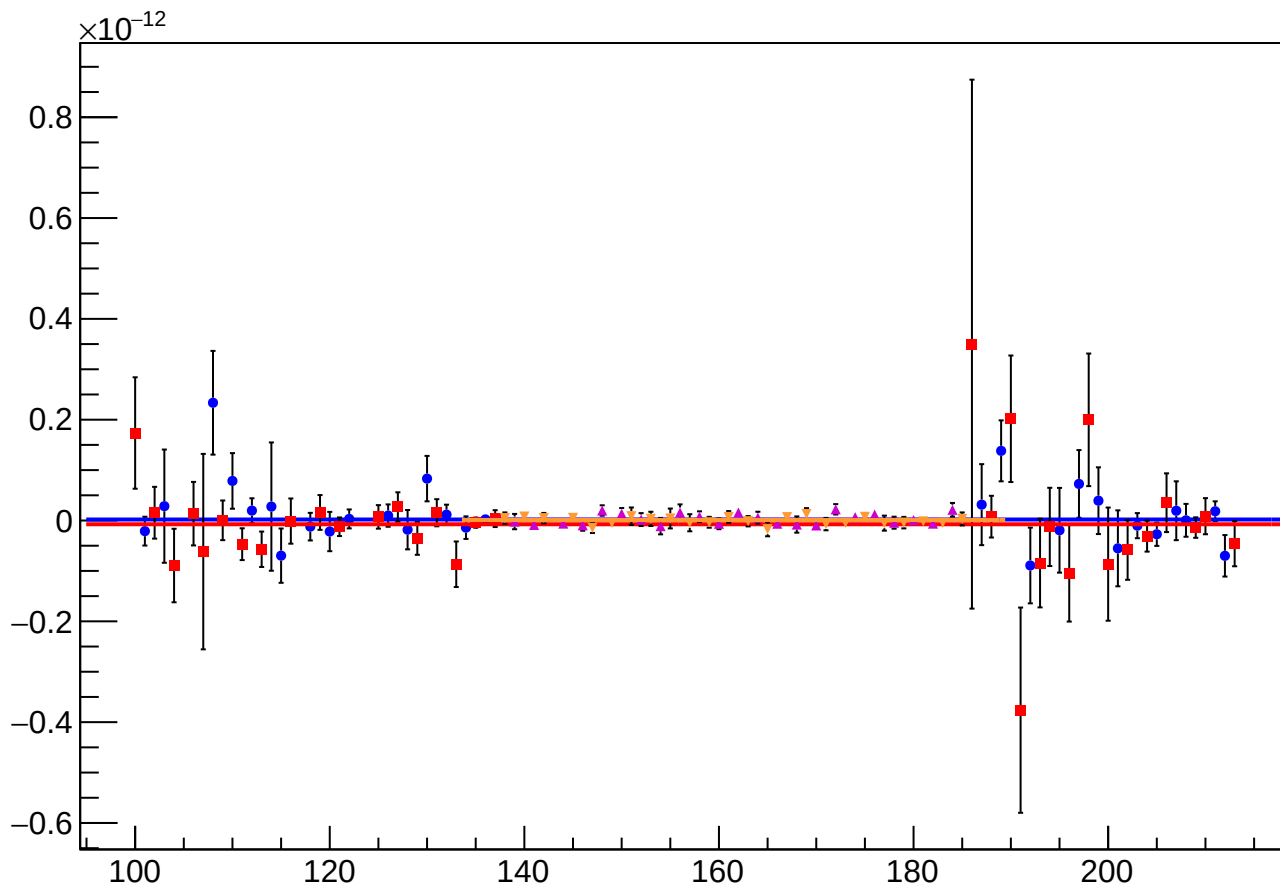
Left In: 21.099+/-0.004 χ^2/NDF : 819268.9/22

+ sign 24.637+/-0.003 χ^2/NDF : 5766118.9/52

All: 24.188+/-0.002 χ^2/NDF : 13207909.5/108

- sign 23.766+/-0.003 χ^2/NDF : 7406196.5/55

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 29.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 29.7/32

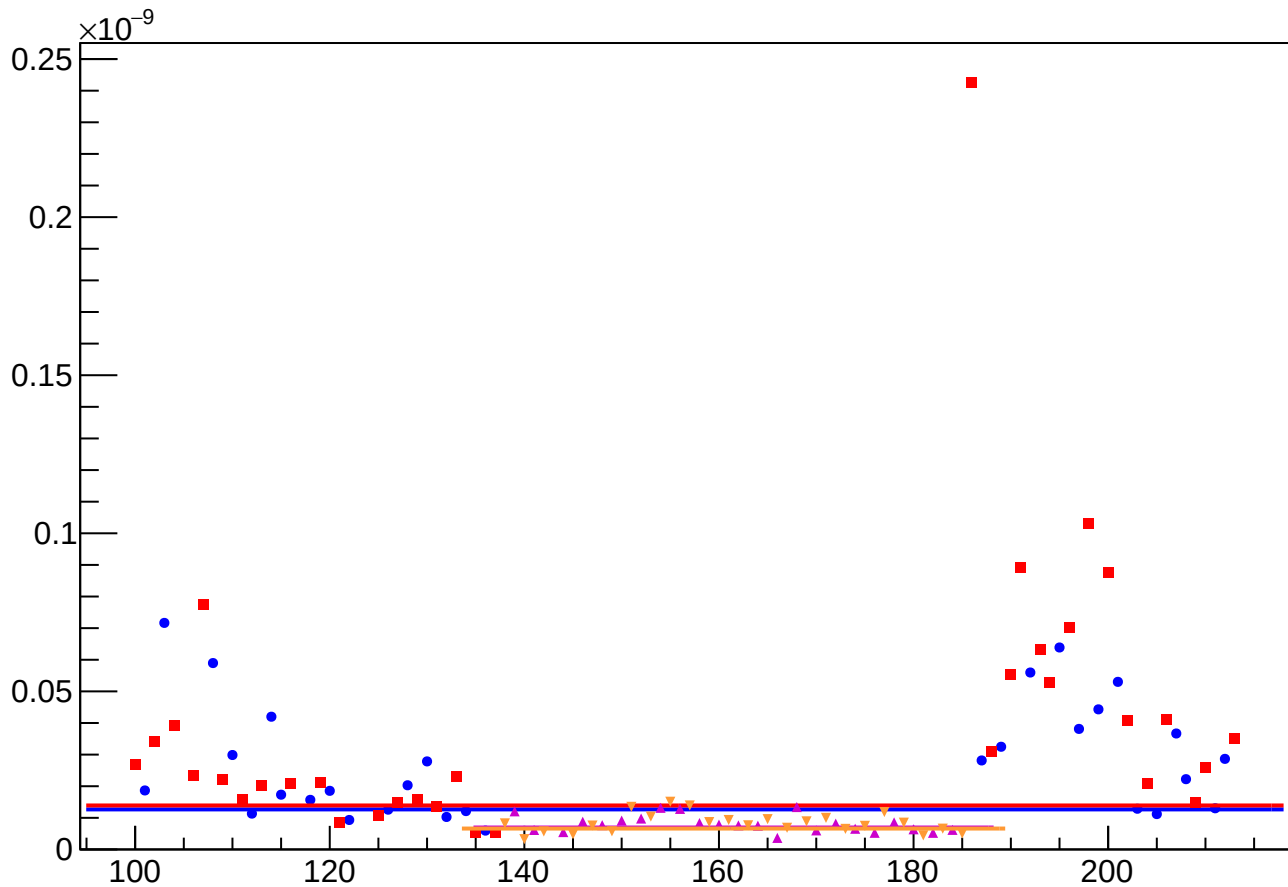
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 25.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 41.1/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 98.9/108

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 57.7/55

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6924711.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3457171.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9804153.1/32

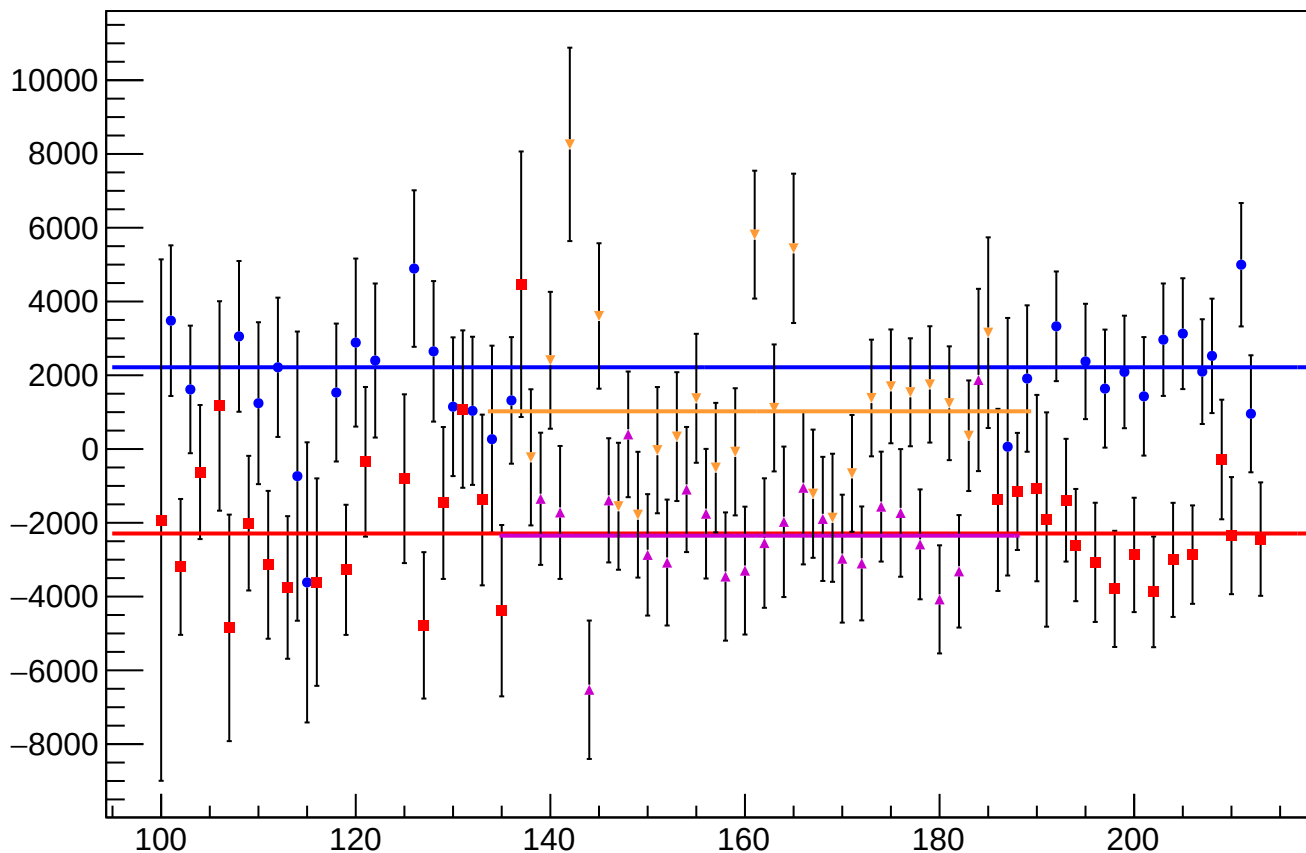
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2315472.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12892596.5/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 27916042.5/108

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14985696.6/55

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2217.087 $\pm$ 340.769 χ^2 /NDF: 12.6/28

Left Out: 1022.603 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2290.037 $\pm$ 330.423 χ^2 /NDF: 20.2/32

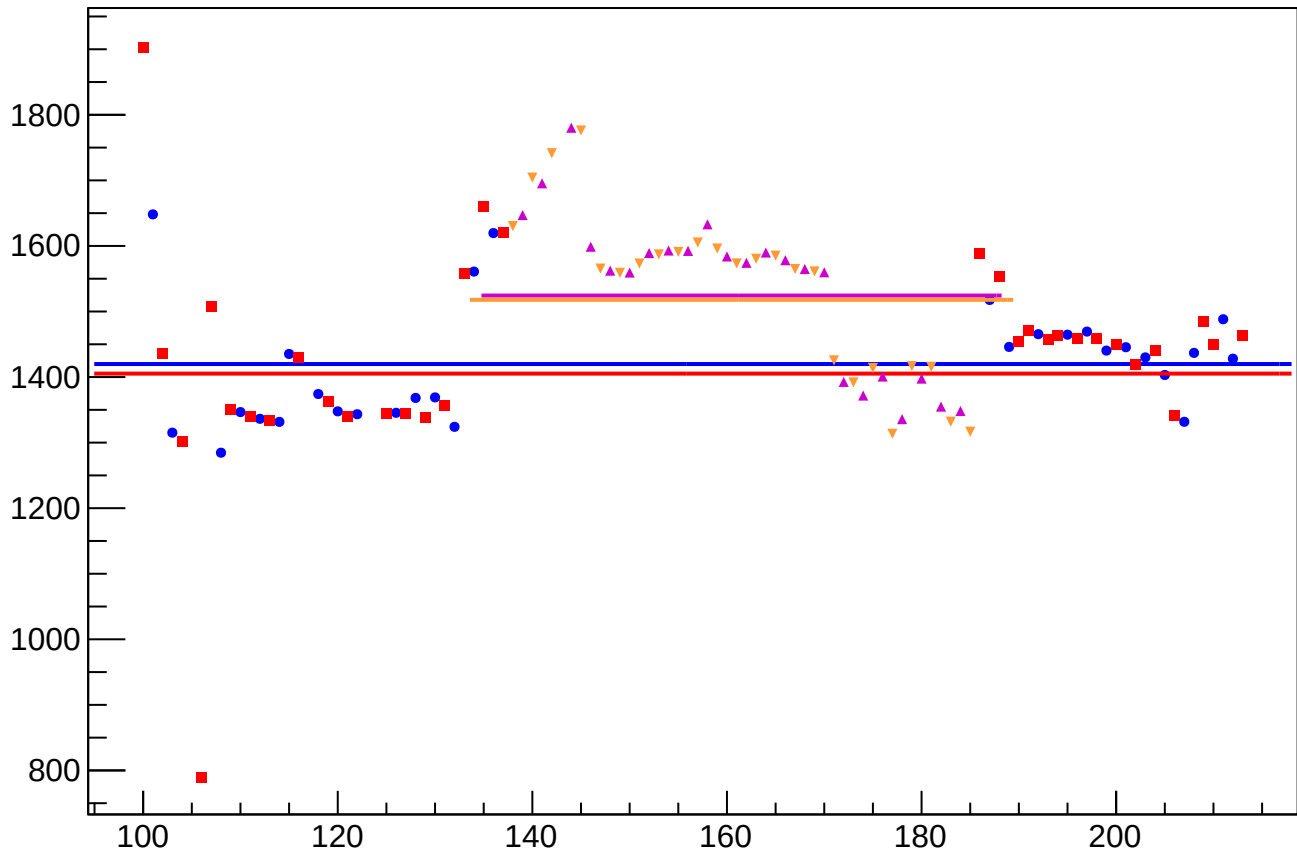
Left In: -2349.189 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1641.673 $\pm$ 245.323 χ^2 /NDF: 55.0/52

All: -360.595 $\pm$ 172.469 χ^2 /NDF: 222.9/108

- sign -2317.324 $\pm$ 242.518 χ^2 /NDF: 36.2/55

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.877+/-0.241 χ^2 /NDF: 117256.0/28

Left Out: 1517.815+/-0.250 χ^2 /NDF:233957.9/23

Right Out: 1405.264+/-0.231 χ^2 /NDF: 409627.3/32

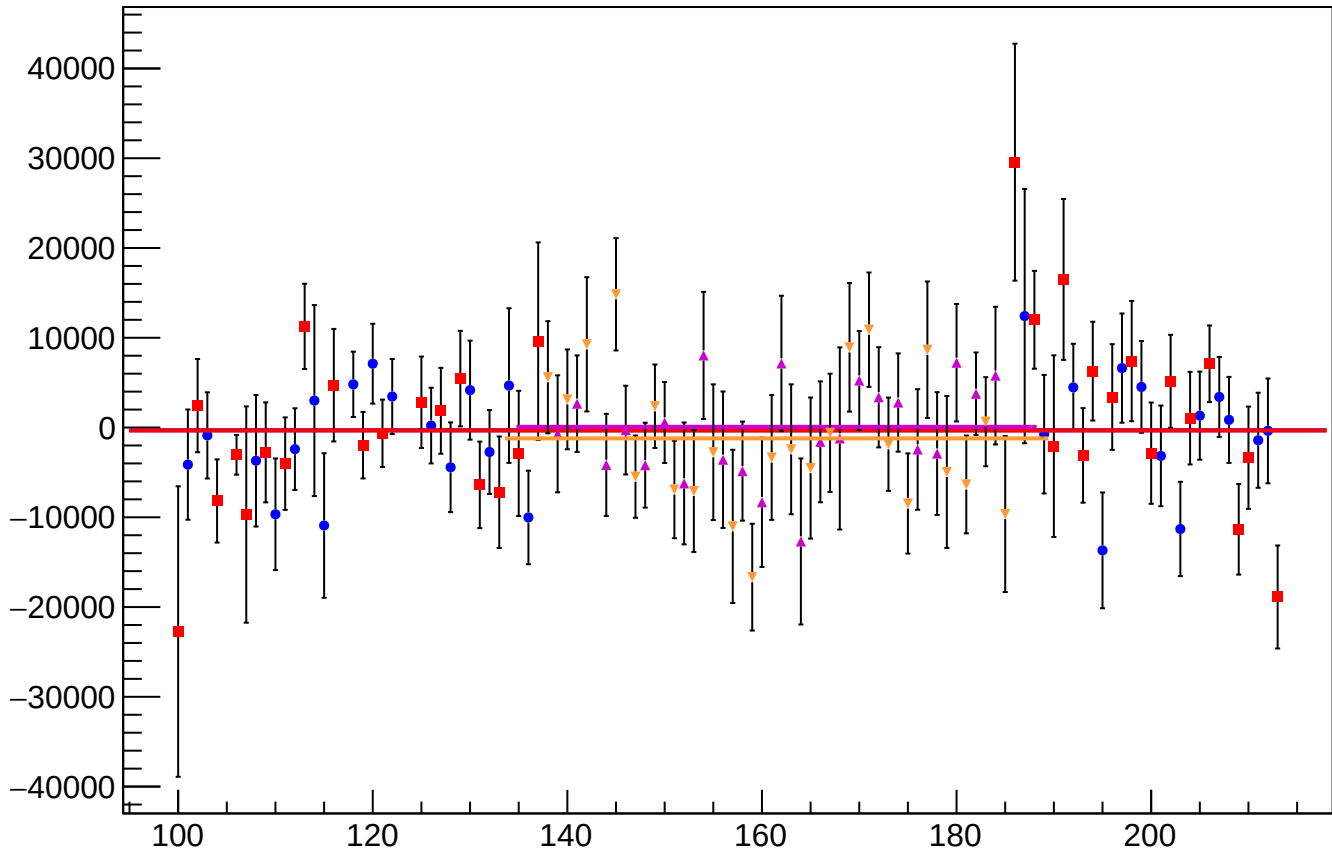
Left In: 1524.314+/-0.252 χ^2 /NDF:224321.2/22

+ sign 1467.056+/-0.173 χ^2 /NDF: 430796.4/52

All: 1463.161+/-0.122 χ^2 /NDF: 1186946.1/10

- sign 1459.408+/-0.170 χ^2 /NDF: 755159.6/55

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -305.760 ± 988.302 χ^2/NDF : 29.7/28

Left Out: -1211.893 ± 1268.315 χ^2/NDF : 33.2/23

Right Out: -328.783 ± 897.755 χ^2/NDF : 57.4/32

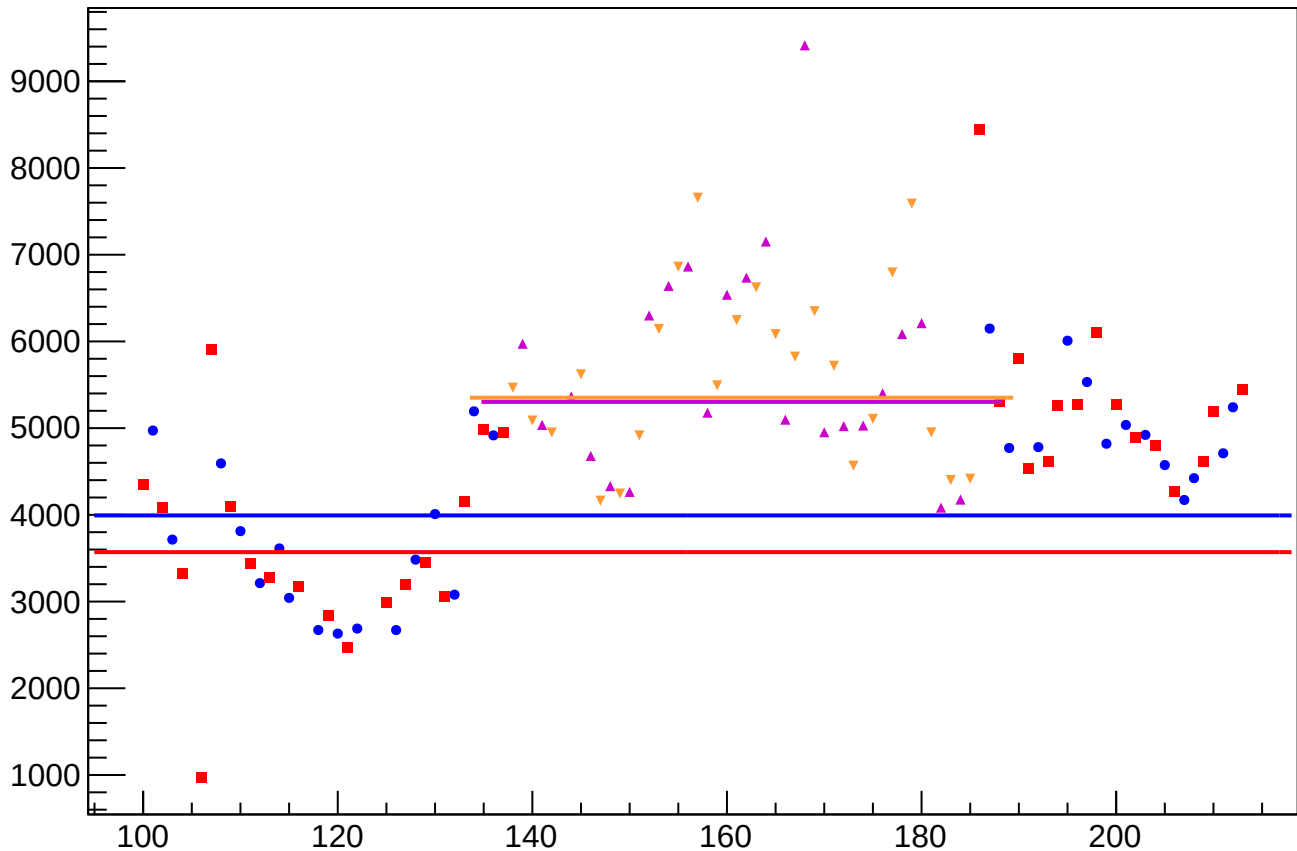
Left In: 80.780 ± 1264.327 χ^2/NDF : 13.2/22

+ sign -648.093 ± 779.571 χ^2/NDF : 63.3/52

All: -405.439 ± 533.624 χ^2/NDF : 134.2/108

- sign -191.501 ± 731.991 χ^2/NDF : 70.7/55

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3993.337 $\pm$ 0.699 χ^2 /NDF: 2012805.7/28

Left Out: 5351.126 $\pm$ 0.897 χ^2 /NDF:1066045.6/23

Right Out: 3569.882 $\pm$ 0.635 χ^2 /NDF: 5601779.0/32

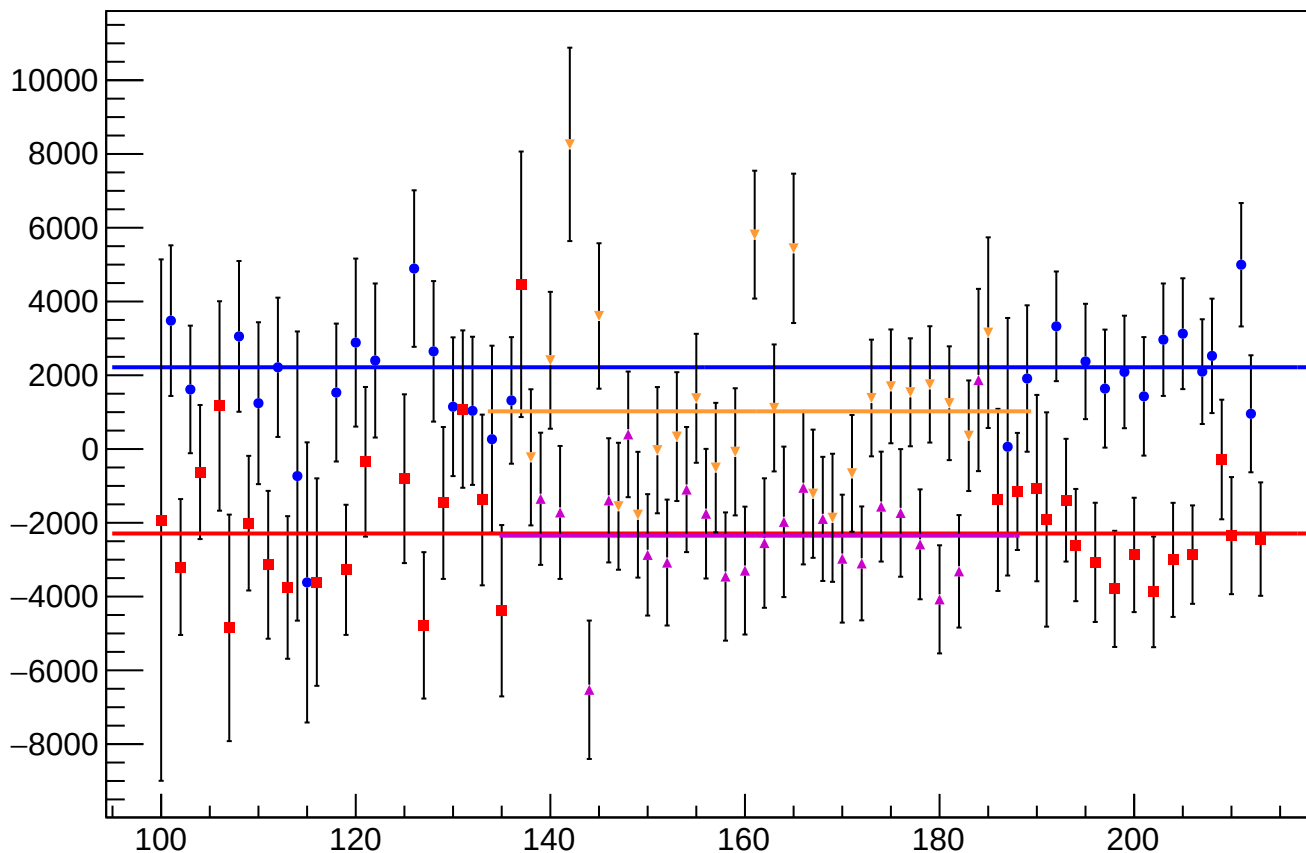
Left In: 5302.185 $\pm$ 0.894 χ^2 /NDF:1256309.3/22

+ sign 4506.304 $\pm$ 0.551 χ^2 /NDF: 4505028.0/52

All: 4317.232 $\pm$ 0.377 χ^2 /NDF: 14080544.1/100

- sign 4150.536 $\pm$ 0.518 χ^2 /NDF: 9354149.4/55

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2217.071 ± 340.769 χ^2/NDF : 12.6/28

Left Out: 1022.634 ± 353.459 χ^2/NDF : 36.4/23

Right Out: -2290.103 ± 330.424 χ^2/NDF : 20.2/32

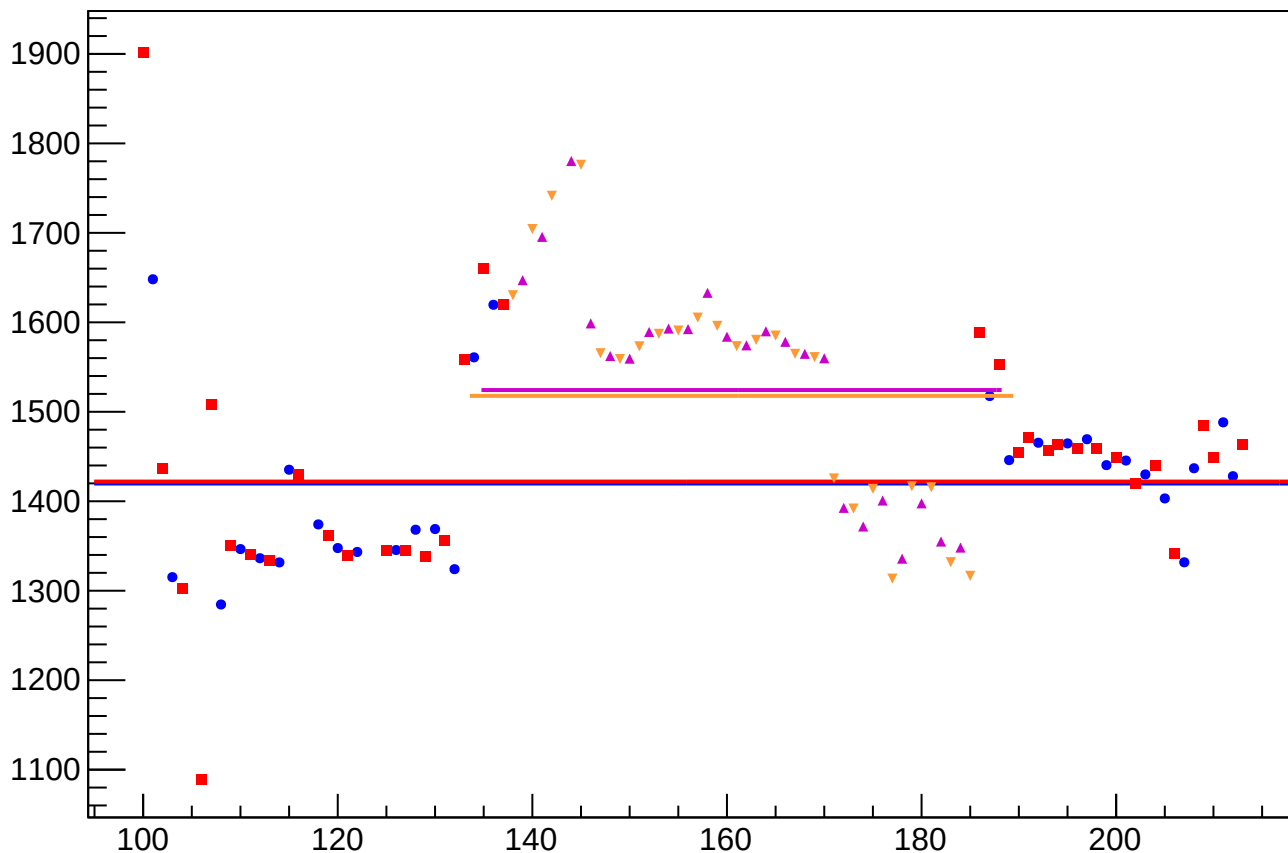
Left In: -2349.186 ± 357.068 χ^2/NDF : 16.0/22

+ sign 1641.679 ± 245.323 χ^2/NDF : 55.0/52

All: -360.606 ± 172.469 χ^2/NDF : 222.9/108

- sign -2317.358 ± 242.518 χ^2/NDF : 36.2/55

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.877 $\pm$ 0.241 χ^2 /NDF: 117256.1/28

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1422.000 $\pm$ 0.232 χ^2 /NDF: 171306.6/32

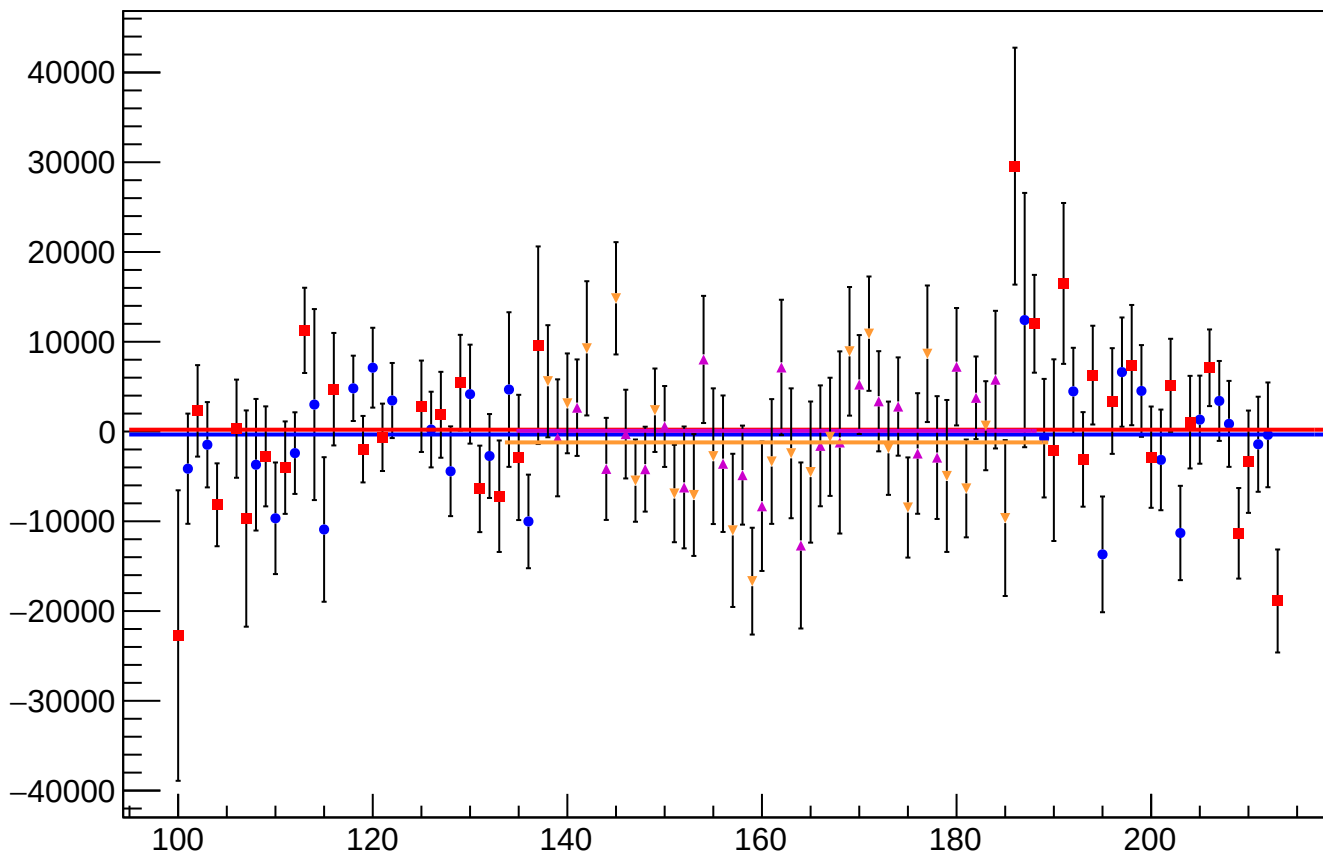
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1467.056 $\pm$ 0.173 χ^2 /NDF: 430796.5/52

All: 1468.002 $\pm$ 0.122 χ^2 /NDF: 915387.1/108

- sign 1468.920 $\pm$ 0.171 χ^2 /NDF: 484532.0/55

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -332.335 $\pm$ 987.864 χ^2 /NDF: 29.8/28

Left Out: -1211.889 $\pm$ 1268.316 χ^2 /NDF:33.2/23

Right Out: 204.397 $\pm$ 965.849 χ^2 /NDF: 55.6/32

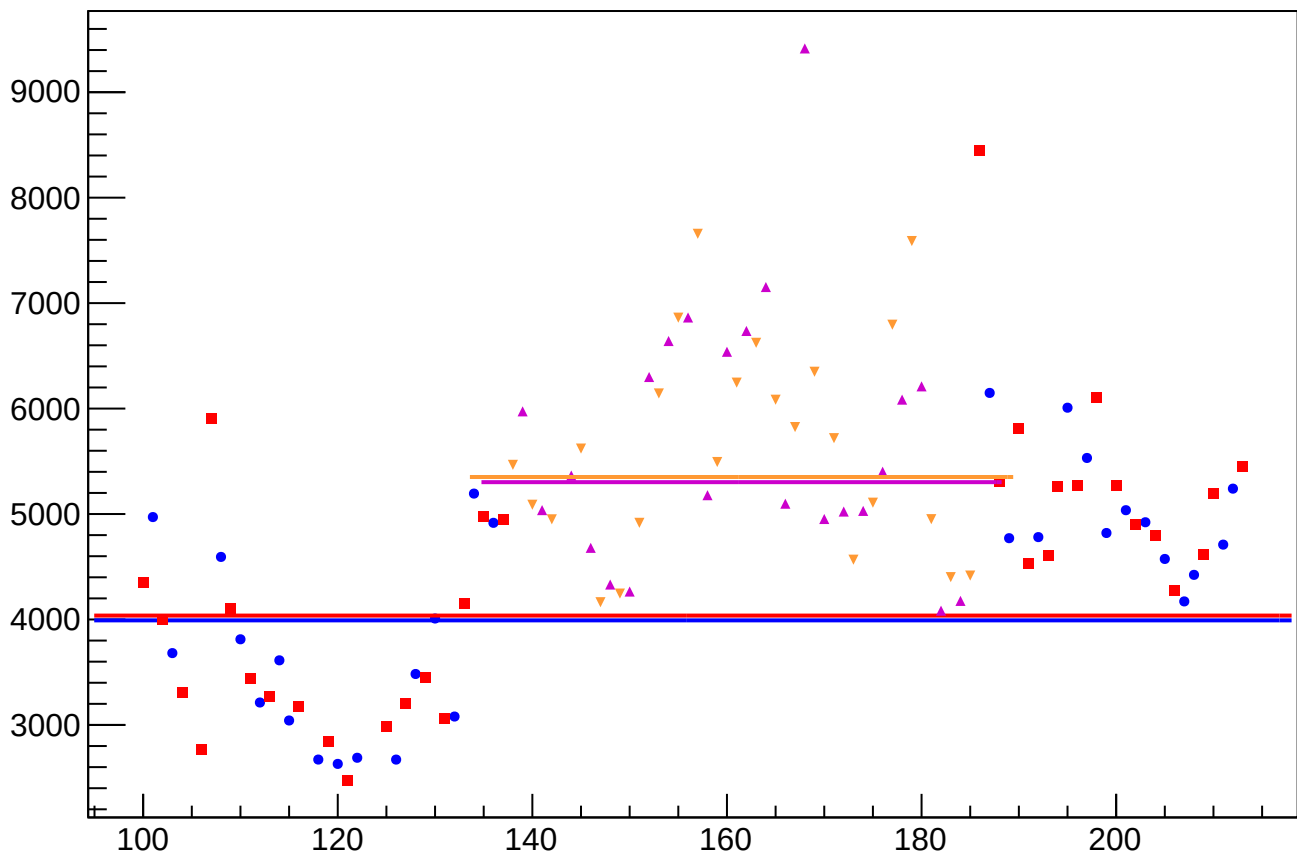
Left In: 80.689 $\pm$ 1264.325 χ^2 /NDF:13.2/22

+ sign -664.444 $\pm$ 779.357 χ^2 /NDF: 63.3/52

All: -246.518 $\pm$ 546.855 χ^2 /NDF: 132.7/108

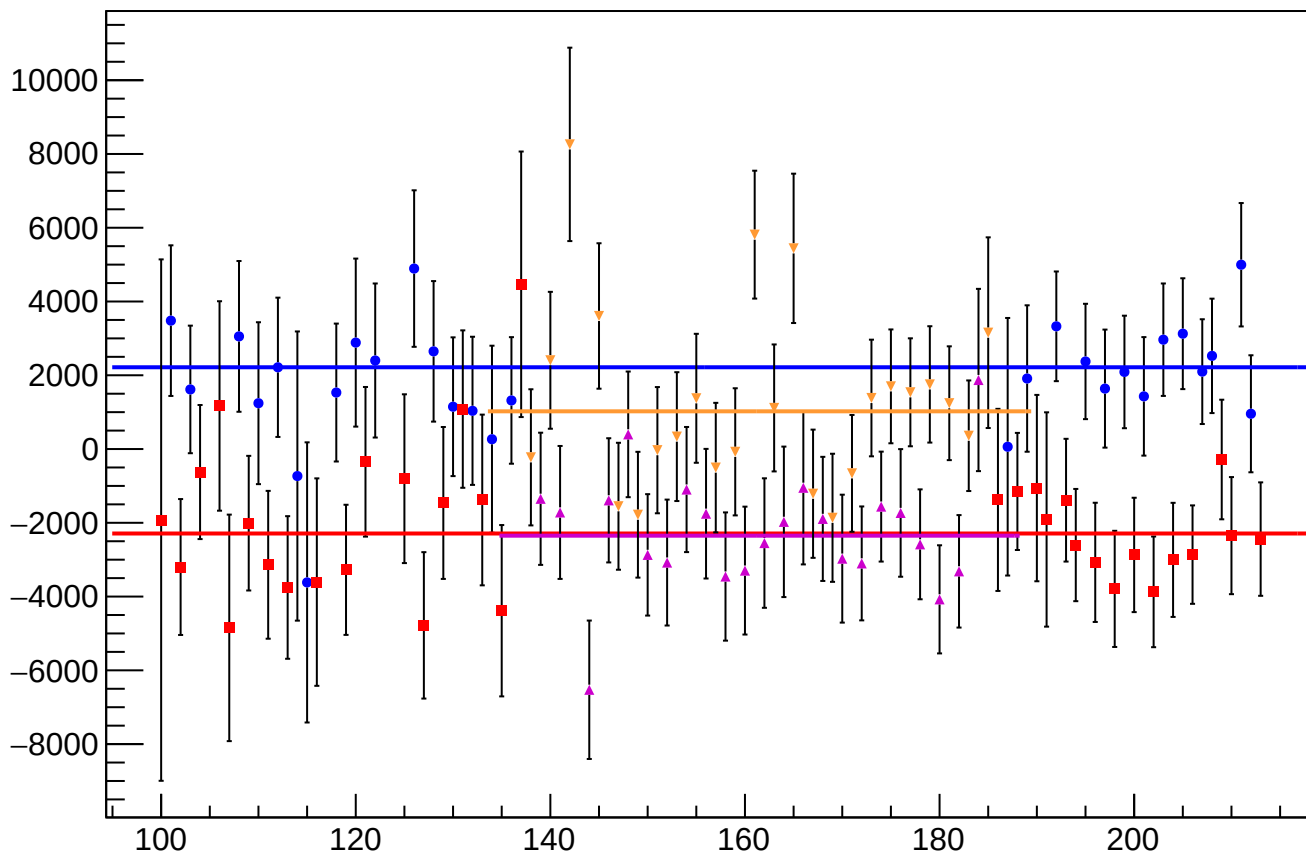
- sign 158.808 $\pm$ 767.519 χ^2 /NDF: 68.8/55

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3991.625+/-0.699	χ^2/NDF : 2014603.2/28	+ sign 4504.957+/-0.551	χ^2/NDF : 4510905.4/52
Left Out: 5351.132+/-0.897	χ^2/NDF : 1066039.6/23		
Right Out: 4037.024+/-0.683	χ^2/NDF : 2412680.5/32	All: 4504.095+/-0.387	χ^2/NDF : 9444528.8/10
		- sign 4503.258+/-0.543	χ^2/NDF : 4933618.6/55
Left In: 5302.177+/-0.894	χ^2/NDF : 1256324.3/22		

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2217.071 $\pm$ 340.769 χ^2 /NDF: 12.6/28

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -2290.103 $\pm$ 330.424 χ^2 /NDF: 20.2/32

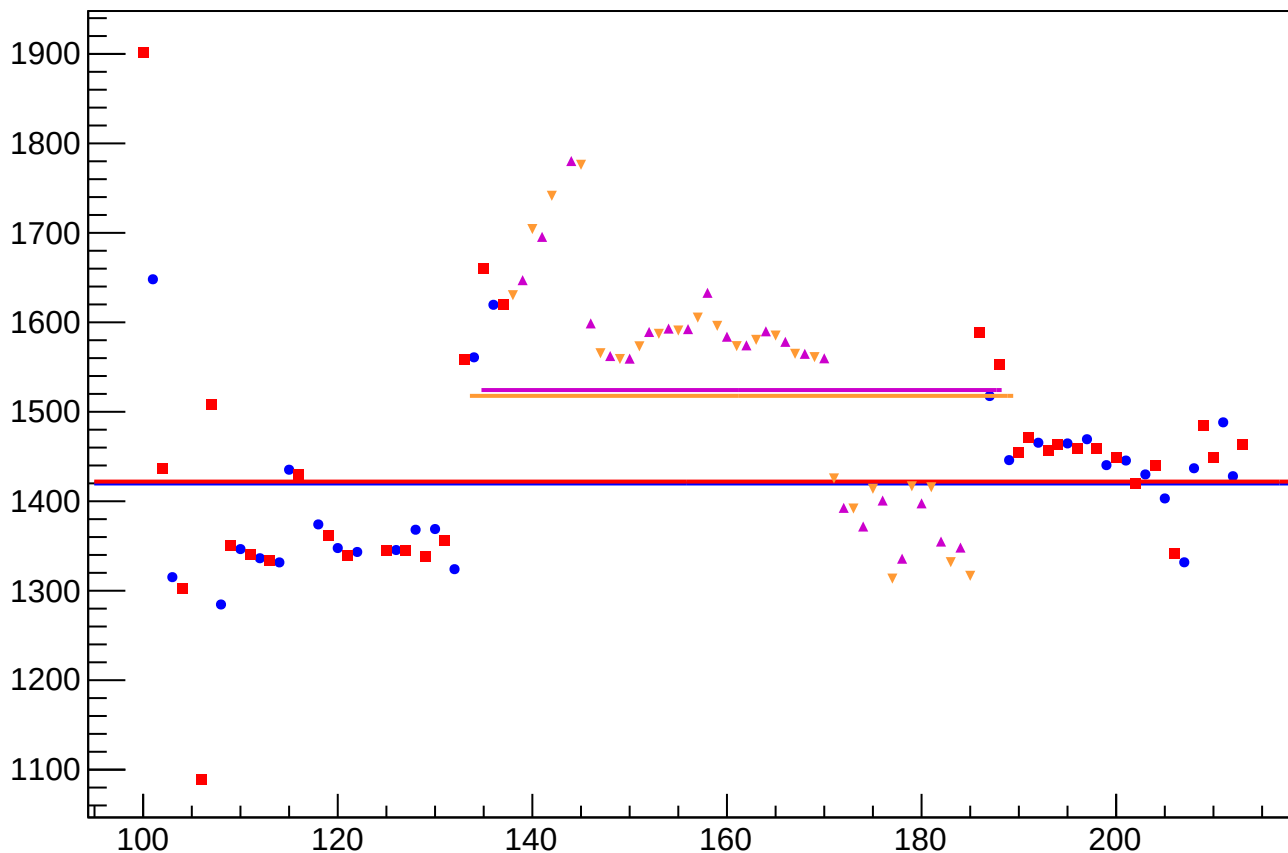
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1641.679 $\pm$ 245.323 χ^2 /NDF: 55.0/52

All: -360.606 $\pm$ 172.469 χ^2 /NDF: 222.9/108

- sign -2317.358 $\pm$ 242.518 χ^2 /NDF: 36.2/55

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1419.877 $\pm$ 0.241 χ^2 /NDF: 117256.1/28

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1422.000 $\pm$ 0.232 χ^2 /NDF: 171306.6/32

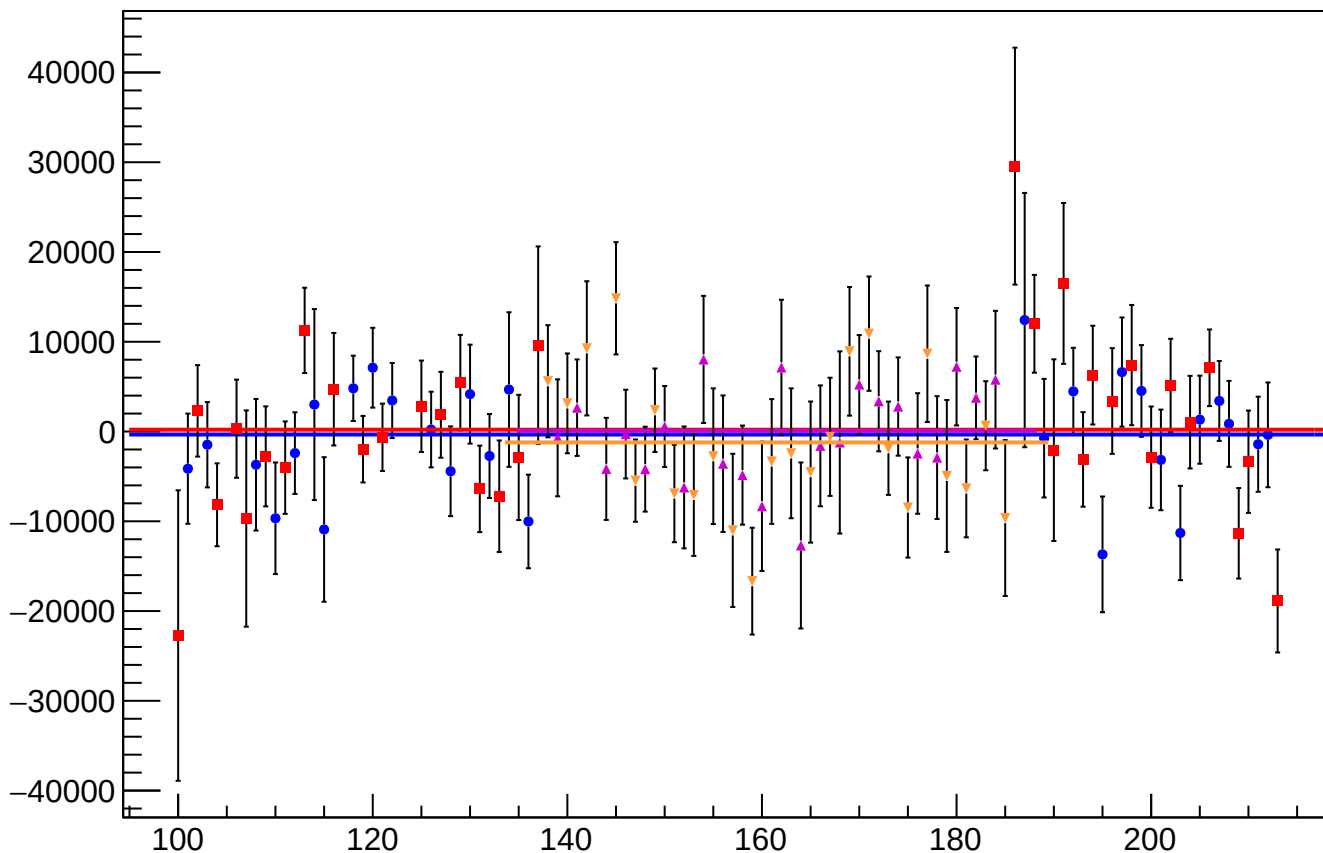
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1467.056 $\pm$ 0.173 χ^2 /NDF: 430796.5/52

All: 1468.002 $\pm$ 0.122 χ^2 /NDF: 915387.1/108

- sign 1468.920 $\pm$ 0.171 χ^2 /NDF: 484532.0/55

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -332.335 ± 987.864 χ^2/NDF : 29.8/28

Left Out: -1211.889 ± 1268.316 χ^2/NDF : 33.2/23

Right Out: 204.397 ± 965.849 χ^2/NDF : 55.6/32

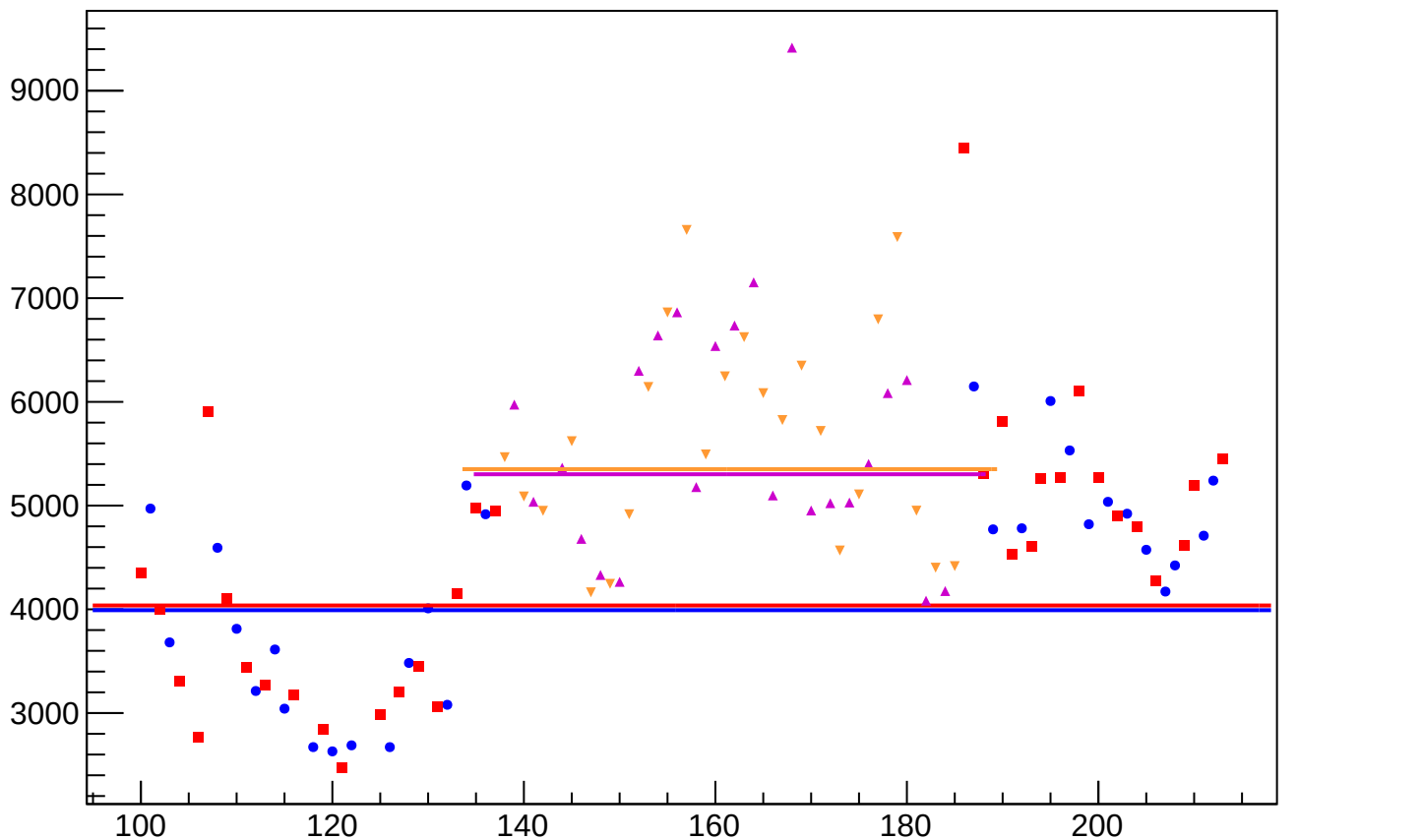
Left In: 80.689 ± 1264.325 χ^2/NDF : 13.2/22

+ sign -664.444 ± 779.357 χ^2/NDF : 63.3/52

All: -246.518 ± 546.855 χ^2/NDF : 132.7/108

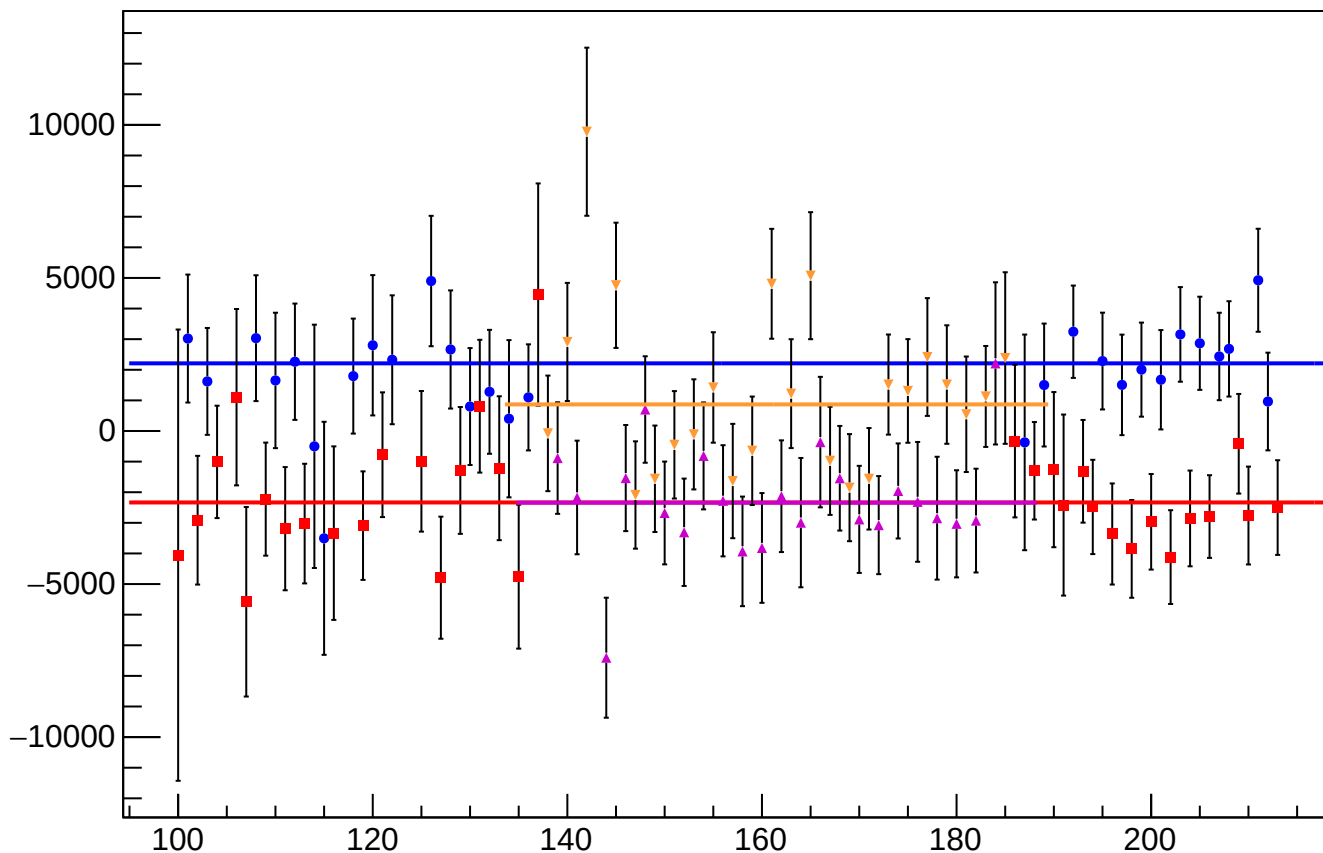
- sign 158.808 ± 767.519 χ^2/NDF : 68.8/55

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3991.625 ± 0.699 $\chi^2/\text{NDF}: 2014603.2/28$ + sign 4504.957 ± 0.551 $\chi^2/\text{NDF}: 4510905.4/52$
 Left Out: 5351.132 ± 0.897 $\chi^2/\text{NDF}: 1066039.6/23$ All: 4504.095 ± 0.387 $\chi^2/\text{NDF}: 9444528.8/100$
 Right Out: 4037.024 ± 0.683 $\chi^2/\text{NDF}: 2412680.5/32$ - sign 4503.258 ± 0.543 $\chi^2/\text{NDF}: 4933618.6/55$
 Left In: 5302.177 ± 0.894 $\chi^2/\text{NDF}: 1256324.3/22$

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2209.956 $\pm$ 344.215 χ^2 /NDF: 12.0/28

Left Out: 868.415 $\pm$ 377.179 χ^2 /NDF:39.7/23

Right Out: -2334.493 $\pm$ 334.856 χ^2 /NDF: 19.5/32

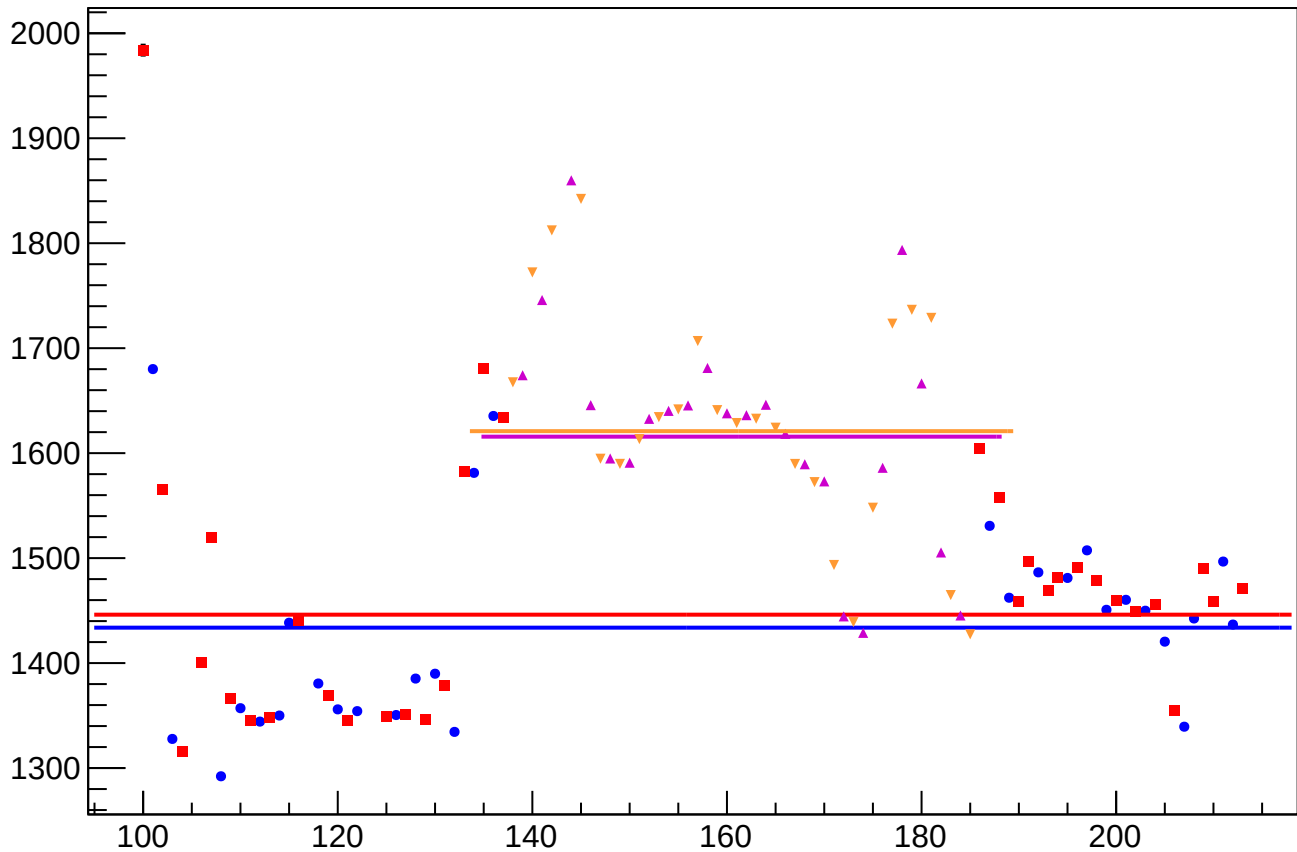
Left In: -2342.303 $\pm$ 378.114 χ^2 /NDF:18.0/22

+ sign 1600.360 $\pm$ 254.253 χ^2 /NDF: 58.6/52

All: -396.622 $\pm$ 178.509 χ^2 /NDF: 217.8/108

- sign -2337.926 $\pm$ 250.684 χ^2 /NDF: 37.5/55

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.750 ± 0.243 $\chi^2/\text{NDF}: 125936.3/28$

Left Out: 1620.945 ± 0.267 $\chi^2/\text{NDF}: 141985.5/23$

Right Out: 1446.118 ± 0.237 $\chi^2/\text{NDF}: 131862.2/32$

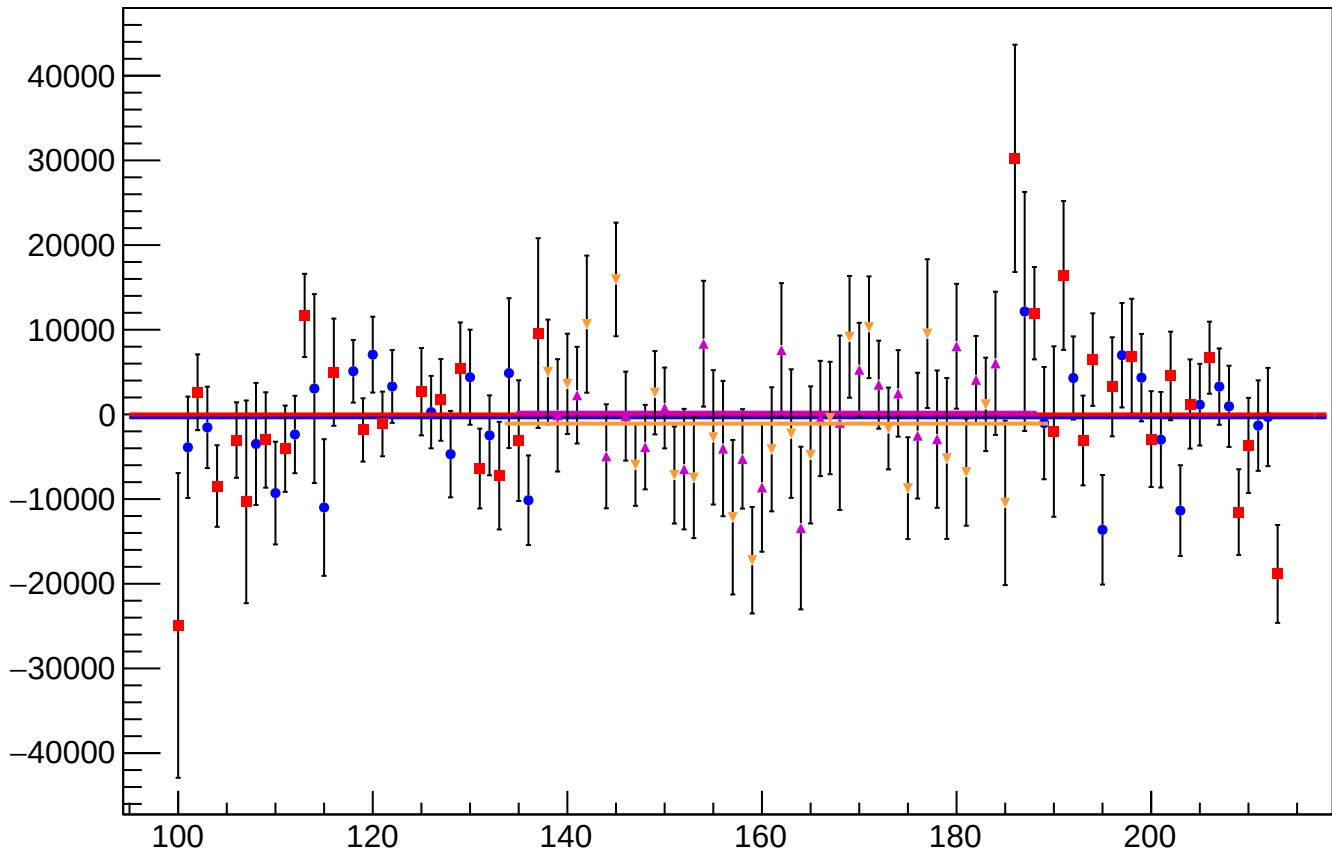
Left In: 1615.705 ± 0.267 $\chi^2/\text{NDF}: 137139.2/22$

+ sign 1518.812 ± 0.180 $\chi^2/\text{NDF}: 536701.6/52$

All: 1519.704 ± 0.126 $\chi^2/\text{NDF}: 1031442.3/10$

- sign 1520.570 ± 0.177 $\chi^2/\text{NDF}: 494692.1/55$

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -338.067 ± 996.341 χ^2/NDF : 29.3/28

Left Out: -1082.232 ± 1332.403 χ^2/NDF : 32.9/23

Right Out: -2.106 ± 960.447 χ^2/NDF : 55.8/32

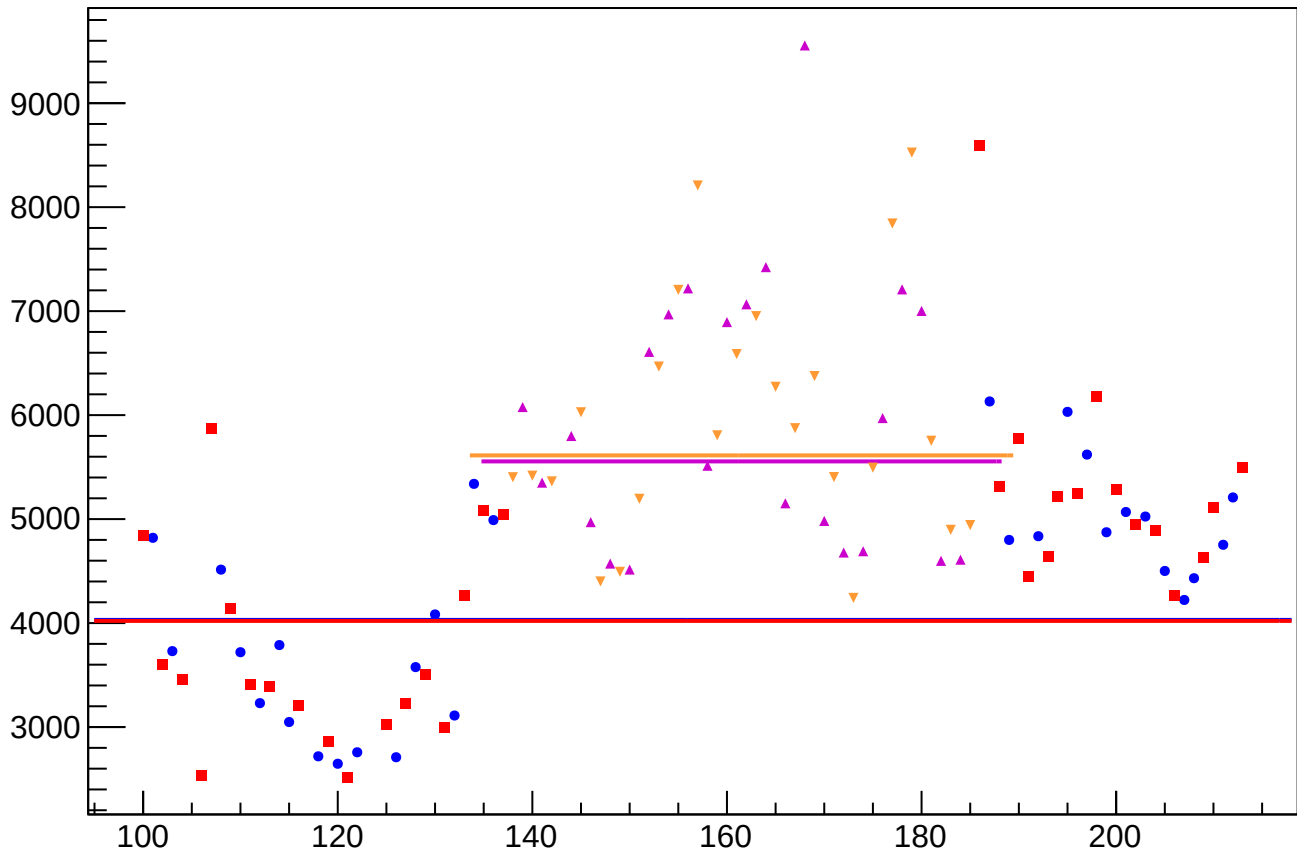
Left In: 201.662 ± 1326.173 χ^2/NDF : 12.9/22

+ sign -604.950 ± 797.923 χ^2/NDF : 62.4/52

All: -259.915 ± 556.993 χ^2/NDF : 131.5/108

- sign 68.000 ± 777.875 χ^2/NDF : 68.7/55

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 4030.435+/-0.705 χ^2/NDF : 1952651.9/28

Left Out: 5612.730+/-0.942 χ^2/NDF : 1188118.0/23

Right Out: 4020.986+/-0.679 χ^2/NDF : 2503559.5/32

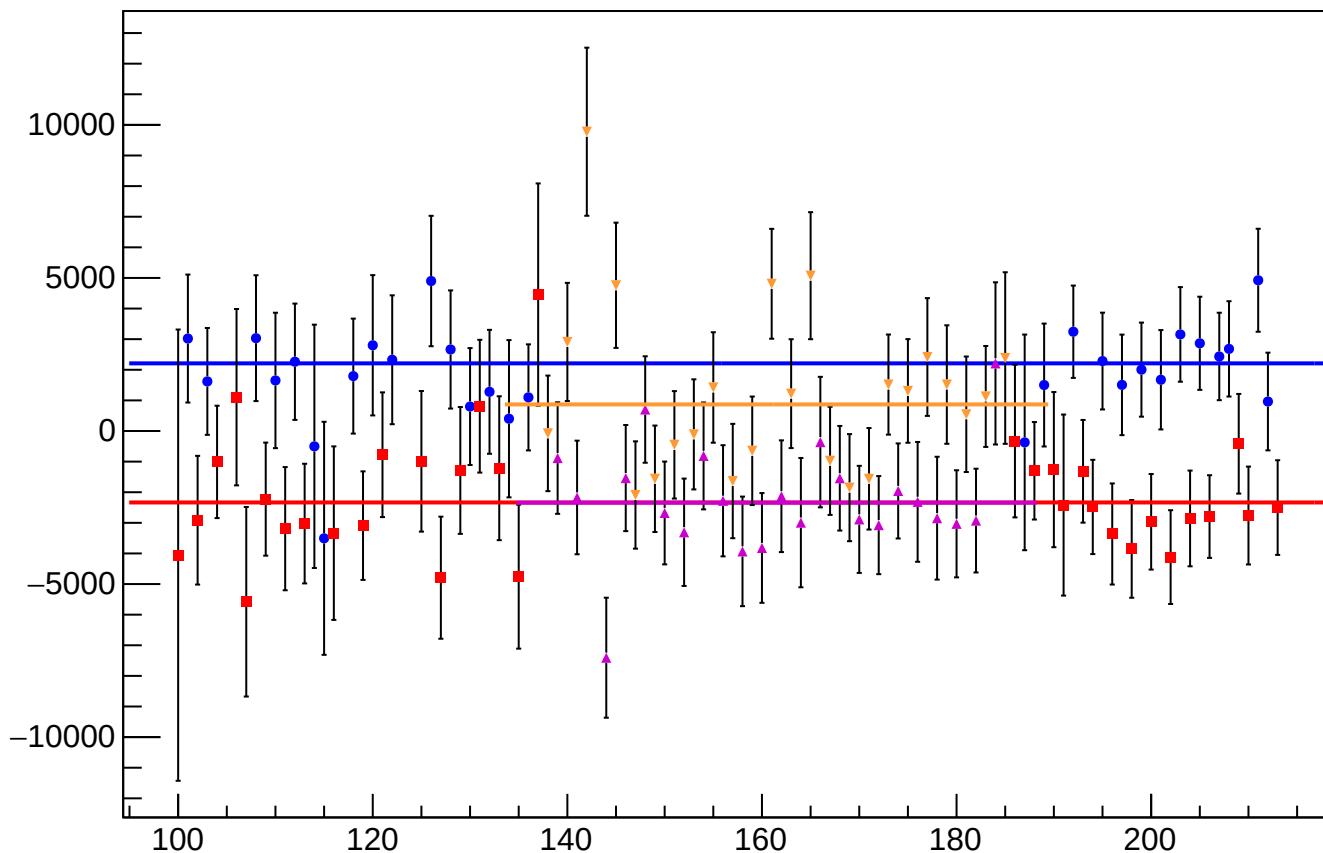
Left In: 5554.927+/-0.938 χ^2/NDF : 1332970.4/22

+ sign 4597.899+/-0.564 χ^2/NDF : 4949777.0/52

All: 4572.692+/-0.394 χ^2/NDF : 10545367.1/100

- sign 4548.735+/-0.550 χ^2/NDF : 5591697.1/55

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2209.957 ± 344.215 $\chi^2/\text{NDF}: 12.0/28$

Left Out: 868.410 ± 377.180 $\chi^2/\text{NDF}: 39.7/23$

Right Out: -2334.490 ± 334.856 $\chi^2/\text{NDF}: 19.5/32$

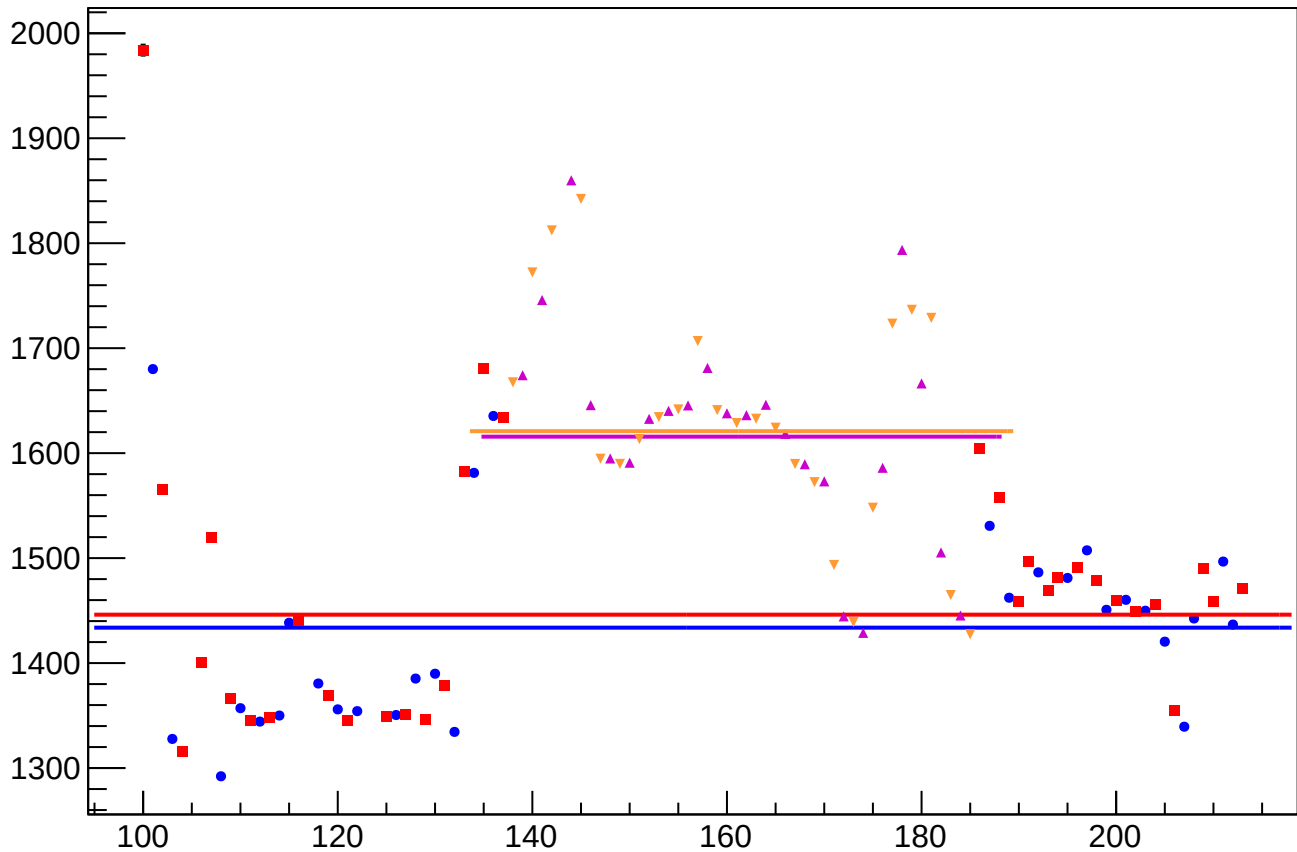
Left In: -2342.303 ± 378.114 $\chi^2/\text{NDF}: 18.0/22$

+ sign 1600.359 ± 254.254 $\chi^2/\text{NDF}: 58.6/52$

All: -396.623 ± 178.509 $\chi^2/\text{NDF}: 217.8/108$

- sign -2337.924 ± 250.684 $\chi^2/\text{NDF}: 37.5/55$

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.750+/-0.243 χ^2/NDF : 125936.3/28

Left Out: 1620.946+/-0.267 χ^2/NDF : 141990.3/23

Right Out: 1446.118+/-0.237 χ^2/NDF : 131862.5/32

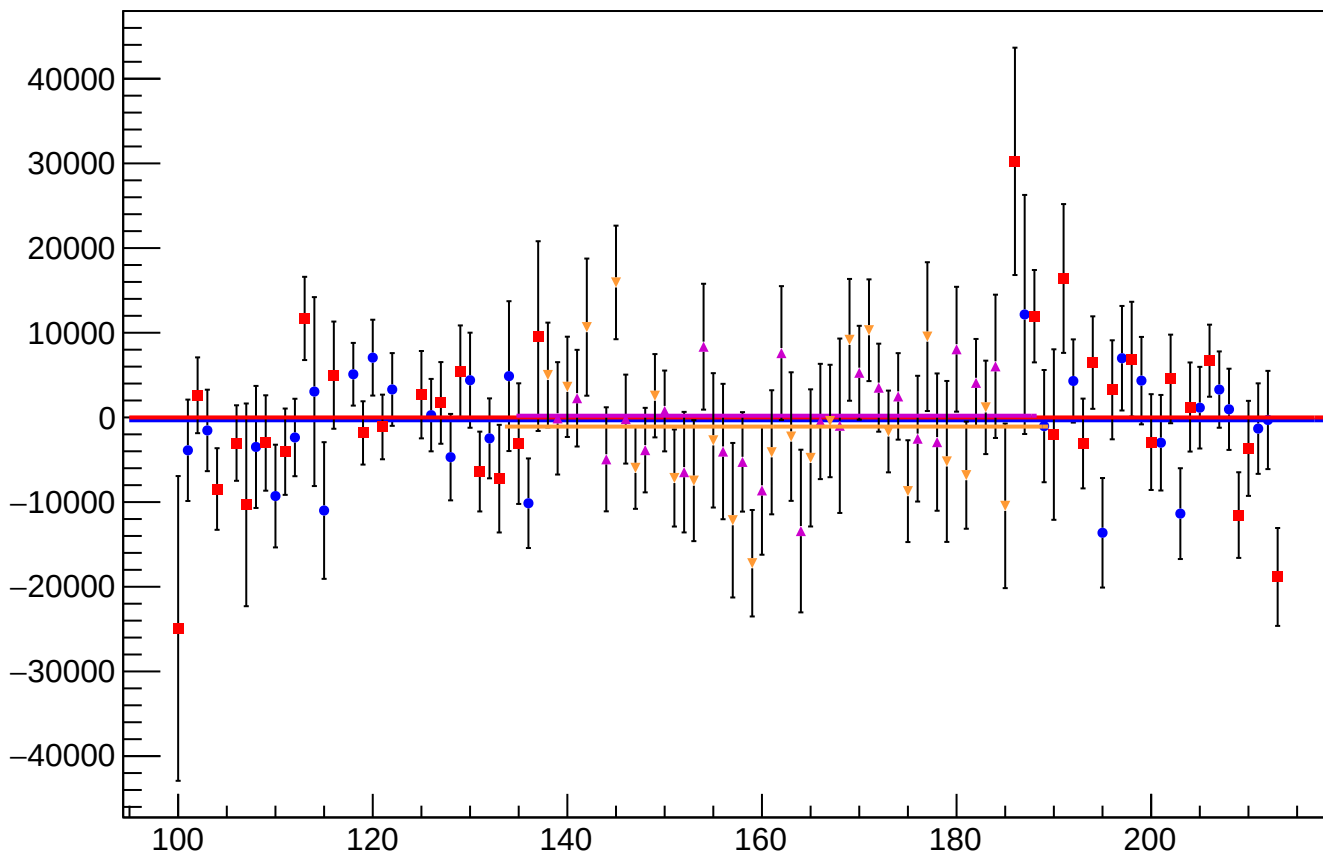
Left In: 1615.706+/-0.267 χ^2/NDF : 137144.0/22

+ sign 1518.812+/-0.180 χ^2/NDF : 536709.6/52

All: 1519.704+/-0.126 χ^2/NDF : 1031458.6/10

- sign 1520.571+/-0.177 χ^2/NDF : 494700.5/55

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -338.062+/-996.340 χ^2/NDF : 29.3/28

Left Out: -1082.239+/-1332.405 χ^2/NDF : 32.9/23

Right Out: -2.110+/-960.446 χ^2/NDF : 55.8/32

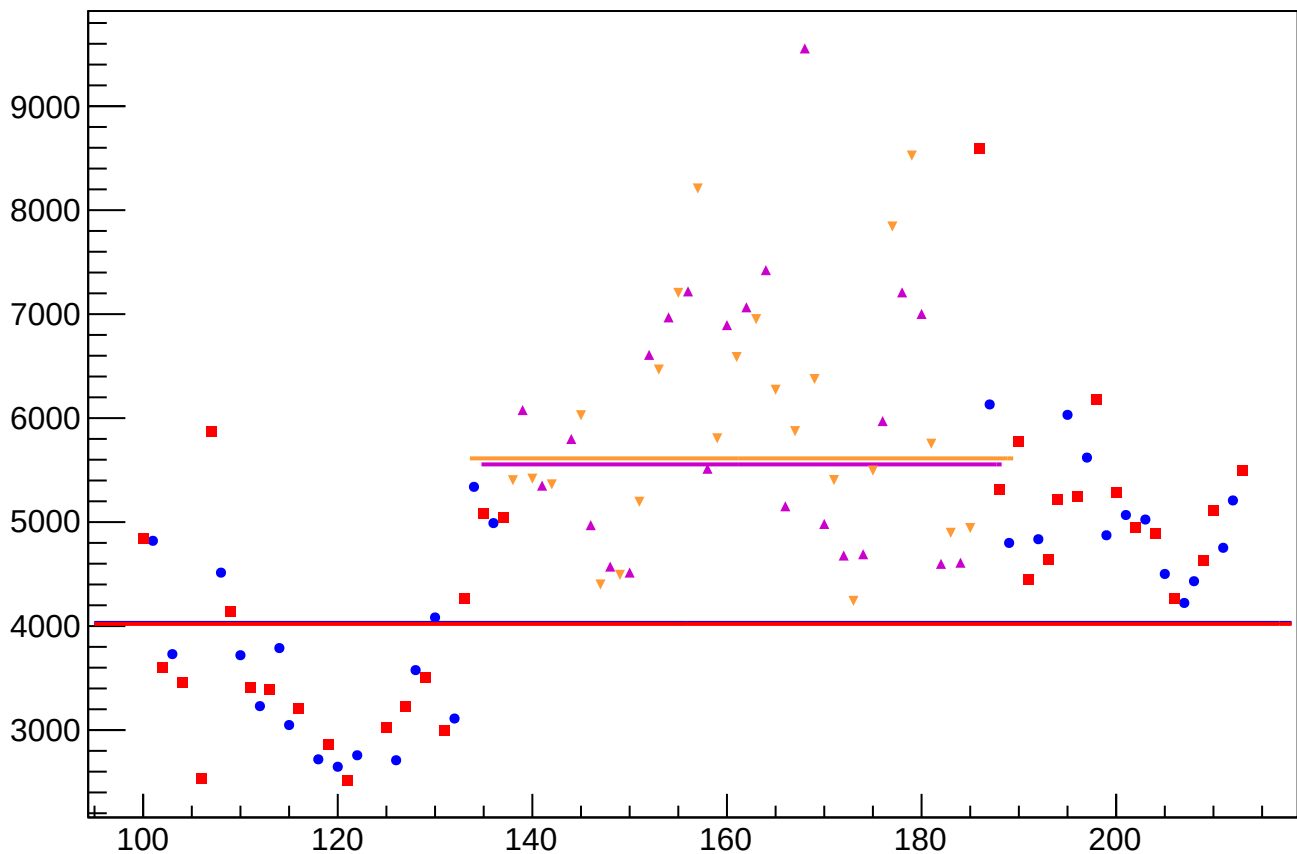
Left In: 201.663+/-1326.175 χ^2/NDF : 12.9/22

+ sign -604.948+/-797.923 χ^2/NDF : 62.4/52

All: -259.915+/-556.993 χ^2/NDF : 131.5/108

- sign 67.997+/-777.875 χ^2/NDF : 68.7/55

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 4030.430+/-0.705 χ^2/NDF : 1952692.2/28

Left Out: 5612.739+/-0.942 χ^2/NDF : 1188118.8/23

Right Out: 4020.980+/-0.679 χ^2/NDF : 2503594.3/32

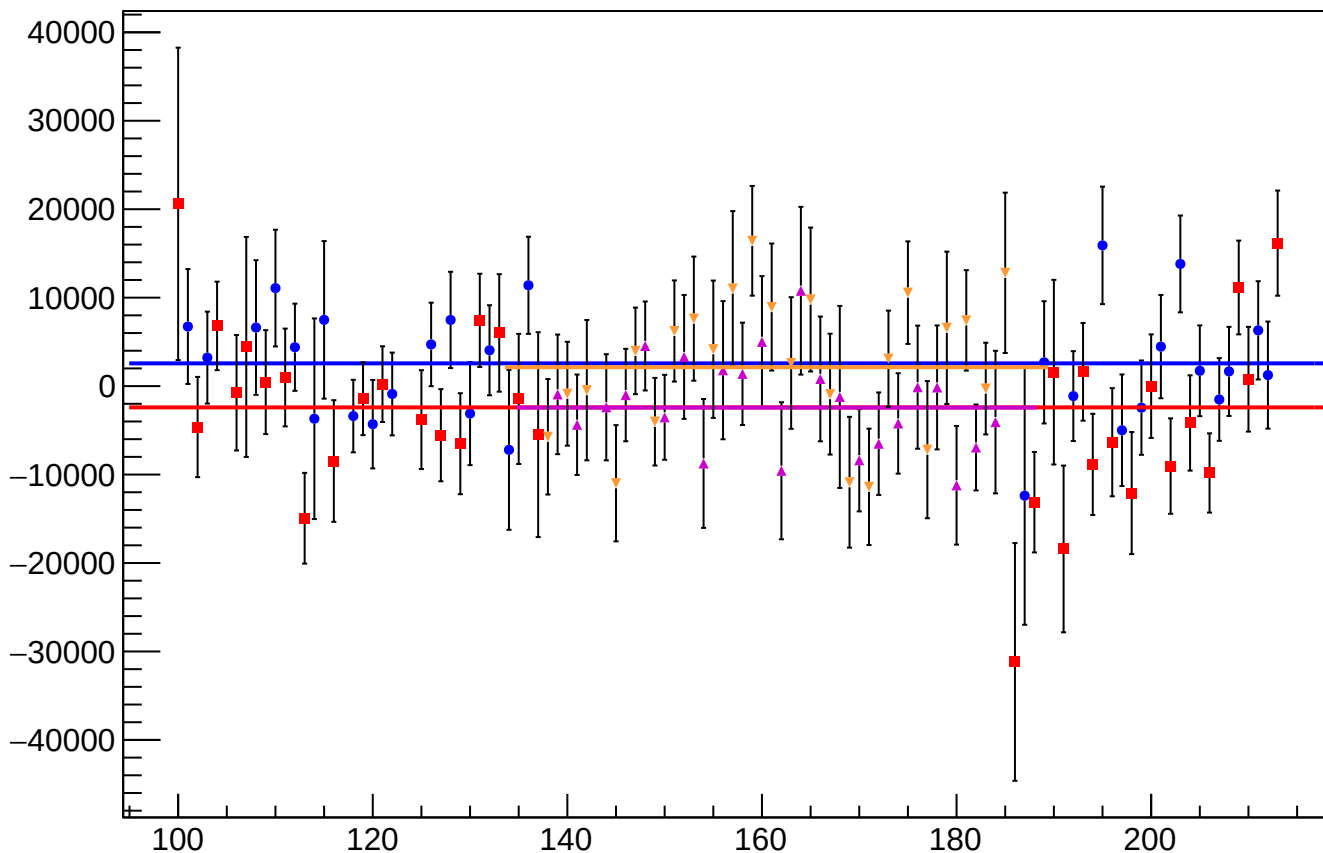
Left In: 5554.935+/-0.938 χ^2/NDF : 1332972.0/22

+ sign 4597.897+/-0.564 χ^2/NDF : 4949847.1/52

All: 4572.689+/-0.394 χ^2/NDF : 10545504.3/100

- sign 4548.732+/-0.550 χ^2/NDF : 5591764.0/55

asym_usl_atl2_avg_mean vs Slug



Right In: 2572.133+/-1058.335 χ^2/NDF : 27.1/28

Left Out: 2138.140+/-1324.387 χ^2/NDF :30.7/23

Right Out: -2404.052+/-1036.236 χ^2/NDF : 56.0/32

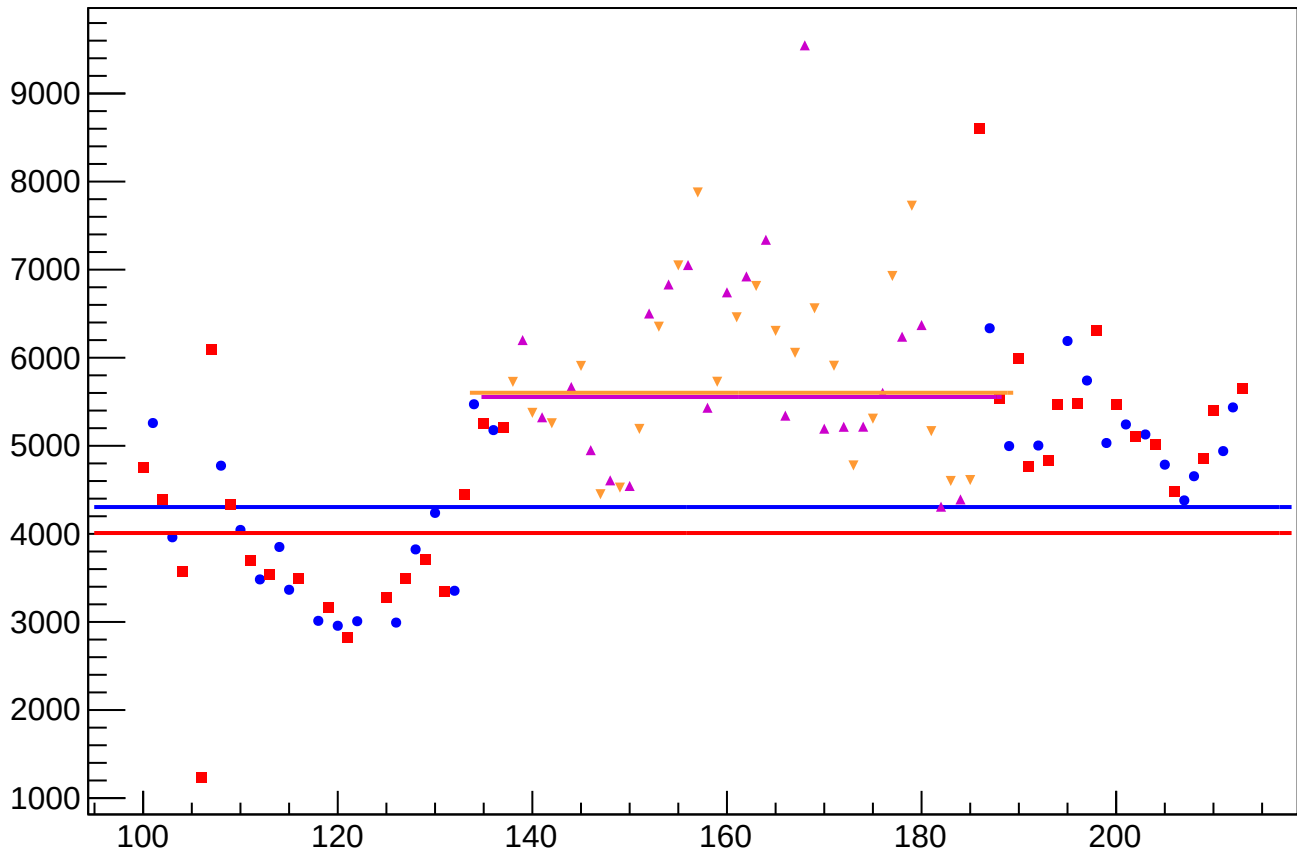
Left In: -2428.059+/-1321.080 χ^2/NDF :12.9/22

+ sign 2402.999+/-826.778 χ^2/NDF : 57.8/52

All: -38.652+/-580.533 χ^2/NDF : 143.9/108

- sign -2413.196+/-815.337 χ^2/NDF : 68.9/55

asym_usl_atl2_avg_rms vs Slug



Right In: 4304.618+/-0.748 χ^2/NDF : 1584684.3/28

Left Out: 5602.266+/-0.936 χ^2/NDF : 940451.0/23

Right Out: 4009.704+/-0.696 χ^2/NDF : 4038406.8/32

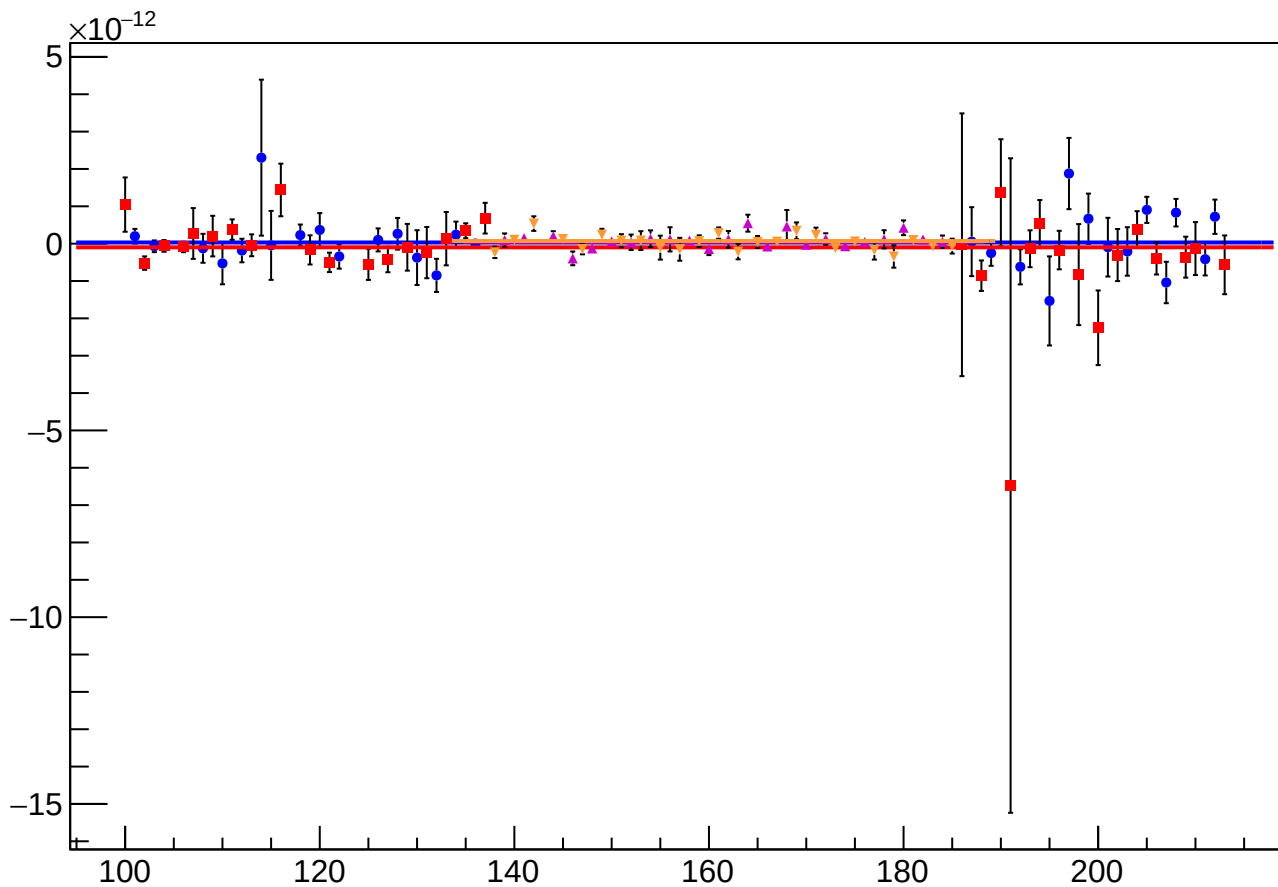
Left In: 5554.054+/-0.934 χ^2/NDF : 1112177.4/22

+ sign 4810.331+/-0.585 χ^2/NDF : 3696915.2/52

All: 4679.973+/-0.404 χ^2/NDF : 10699793.7/100

- sign 4561.132+/-0.558 χ^2/NDF : 6907831.4/55

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 38.4/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 42.8/32

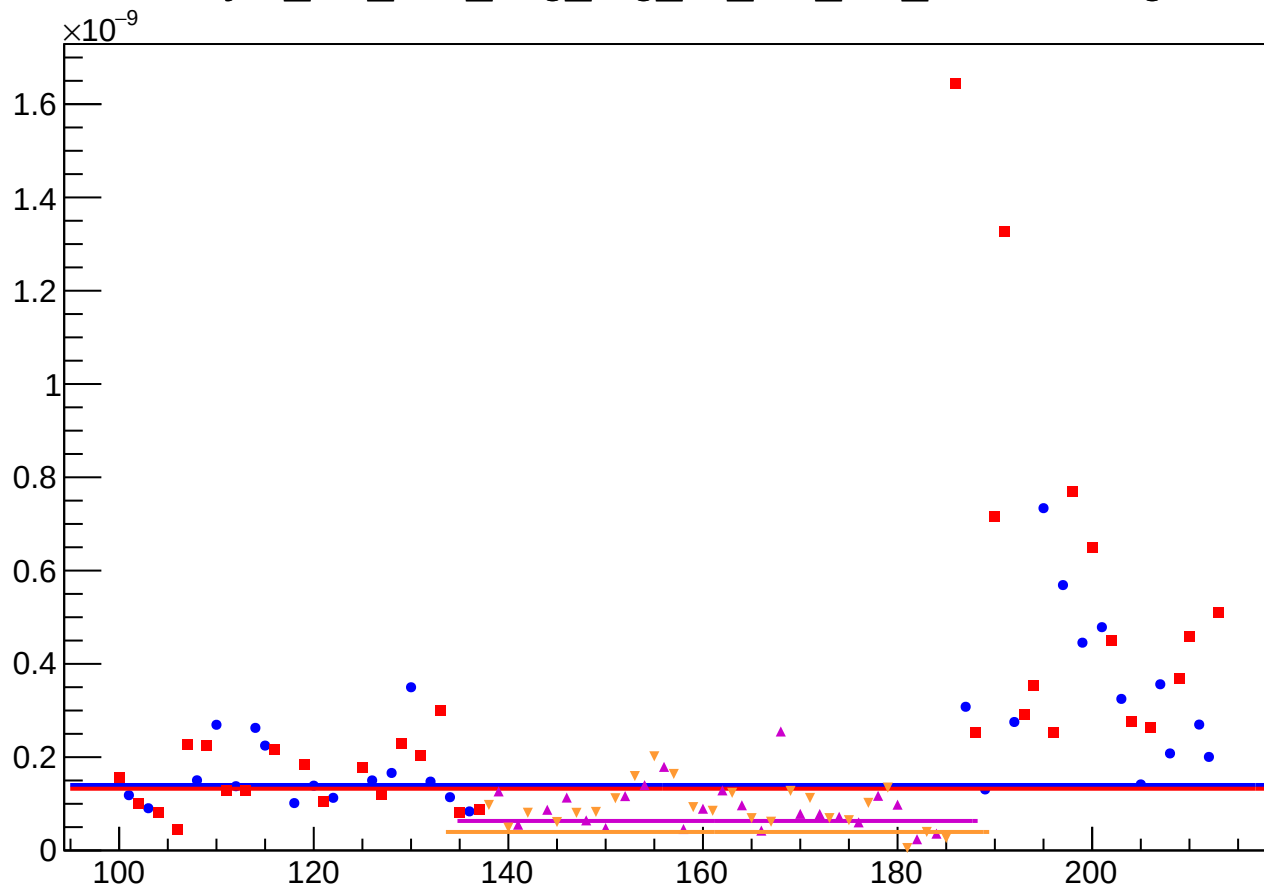
Left In: 0.000 ± 0.000 χ^2/NDF : 25.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.0/52

All: 0.000 ± 0.000 χ^2/NDF : 141.7/108

- sign 0.000 ± 0.000 χ^2/NDF : 73.3/55

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3606915.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 6096379.9/32

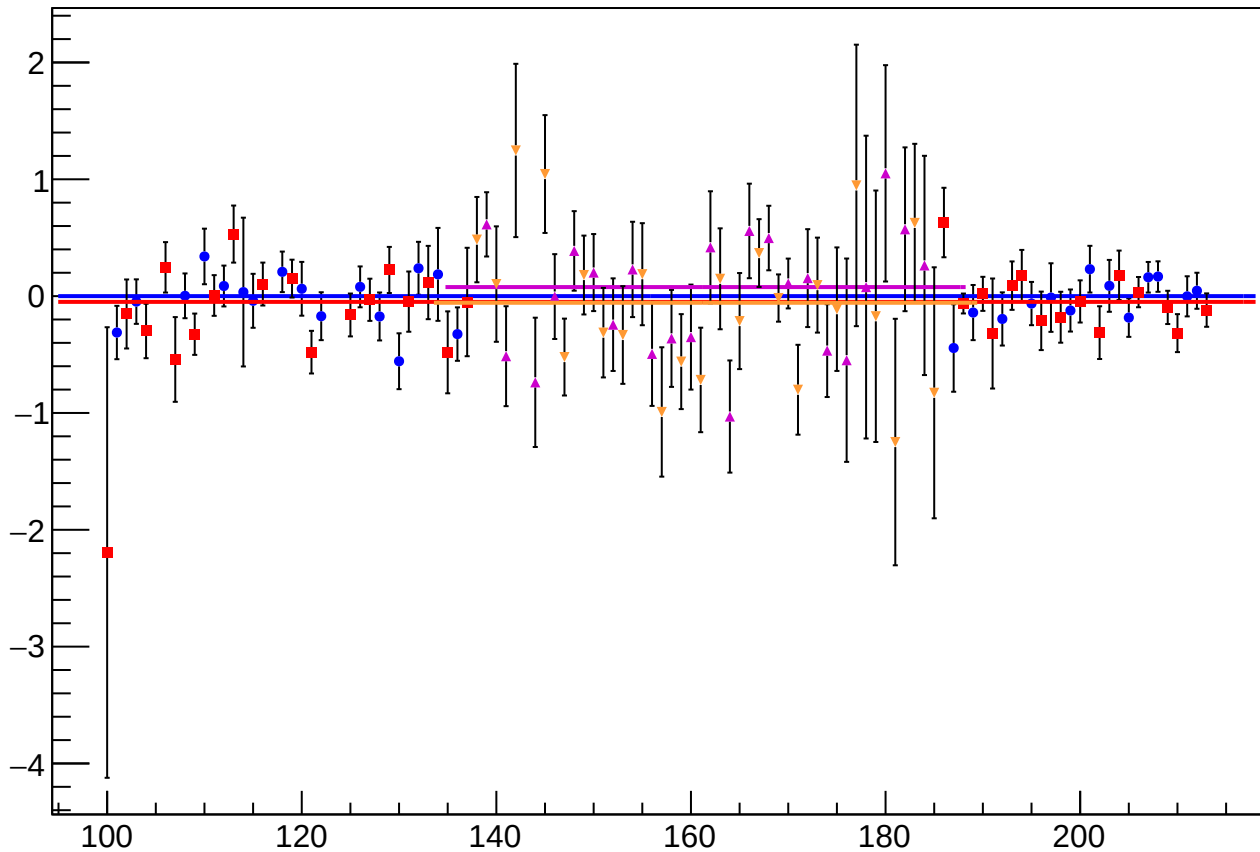
Left In: 0.000+/-0.000 χ^2/NDF : 2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 15123543.6/52

All: 0.000+/-0.000 χ^2/NDF : 27382075.7/108

- sign 0.000+/-0.000 χ^2/NDF : 11139468.3/55

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.037 χ^2/NDF : 25.2/28

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.049 ± 0.033 χ^2/NDF : 40.4/32

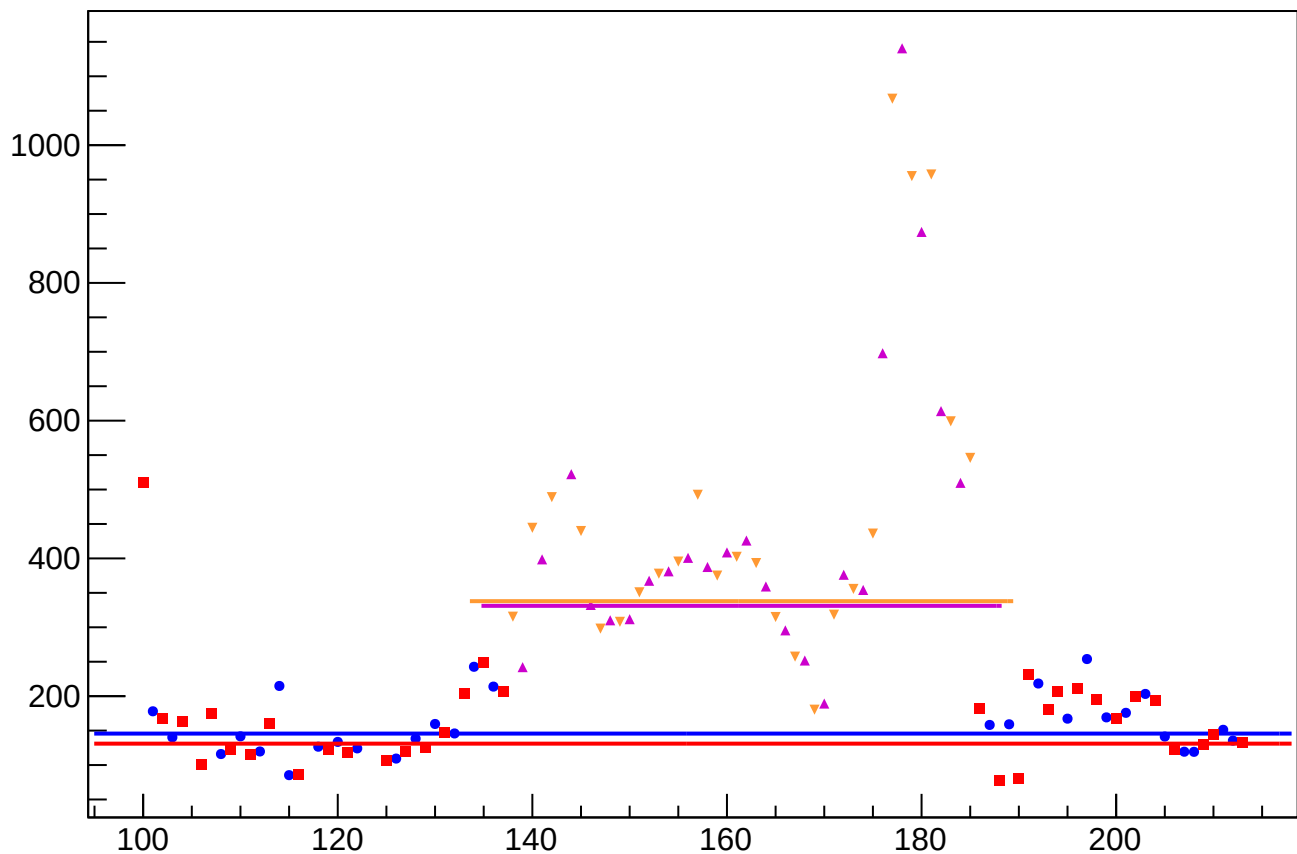
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.009 ± 0.034 χ^2/NDF : 56.0/52

All: -0.022 ± 0.023 χ^2/NDF : 125.6/108

- sign -0.032 ± 0.031 χ^2/NDF : 69.4/55

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.667 $\pm$ 0.026 χ^2 /NDF: 1640404.1/28

Left Out: 337.937 $\pm$ 0.060 χ^2 /NDF: 4517129.8/23

Right Out: 131.066 $\pm$ 0.023 χ^2 /NDF: 3221398.3/32

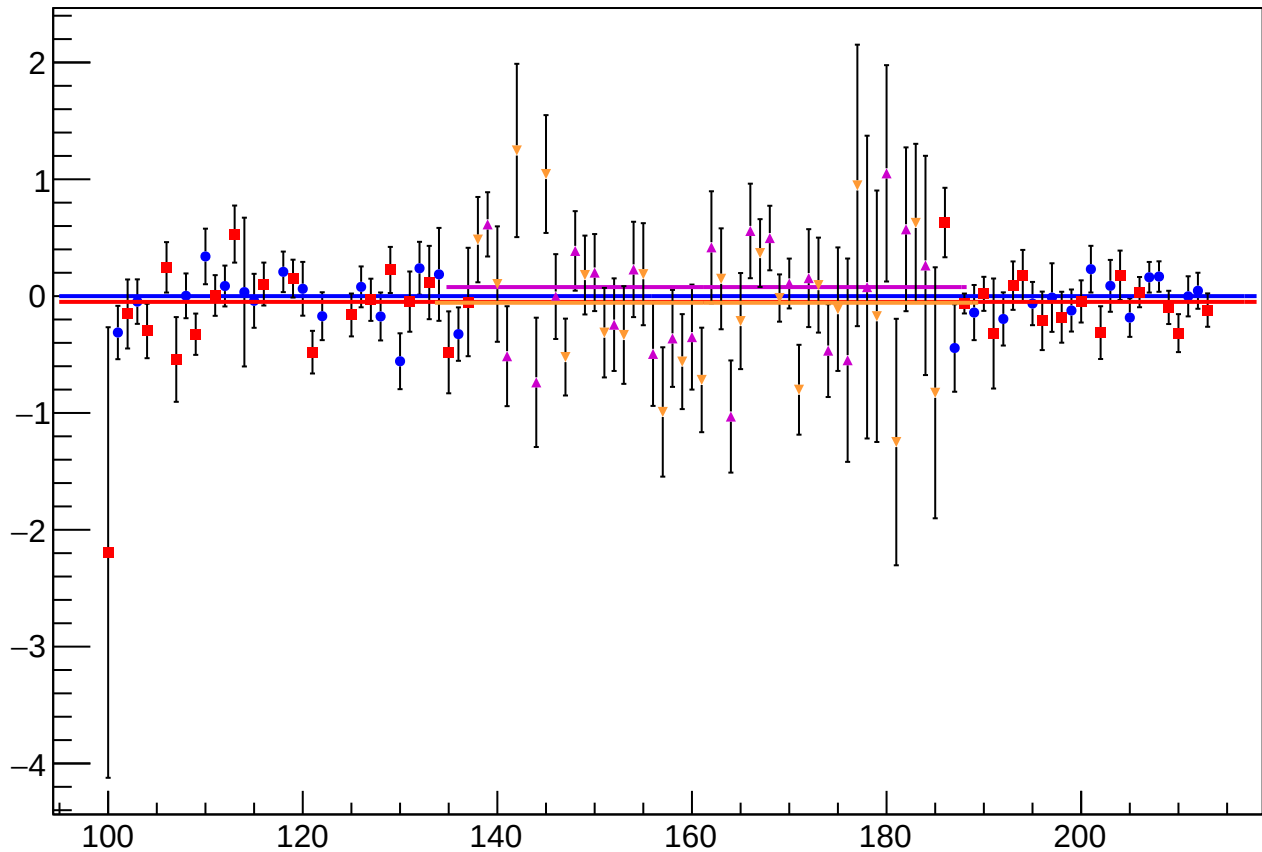
Left In: 331.158 $\pm$ 0.059 χ^2 /NDF: 4106959.8/22

+ sign 175.979 $\pm$ 0.024 χ^2 /NDF: 14684930.3/52

All: 166.261 $\pm$ 0.016 χ^2 /NDF: 32255630.5/10

- sign 158.275 $\pm$ 0.022 χ^2 /NDF: 17271830.2/55

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.037 χ^2/NDF : 25.2/28

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.049 ± 0.033 χ^2/NDF : 40.4/32

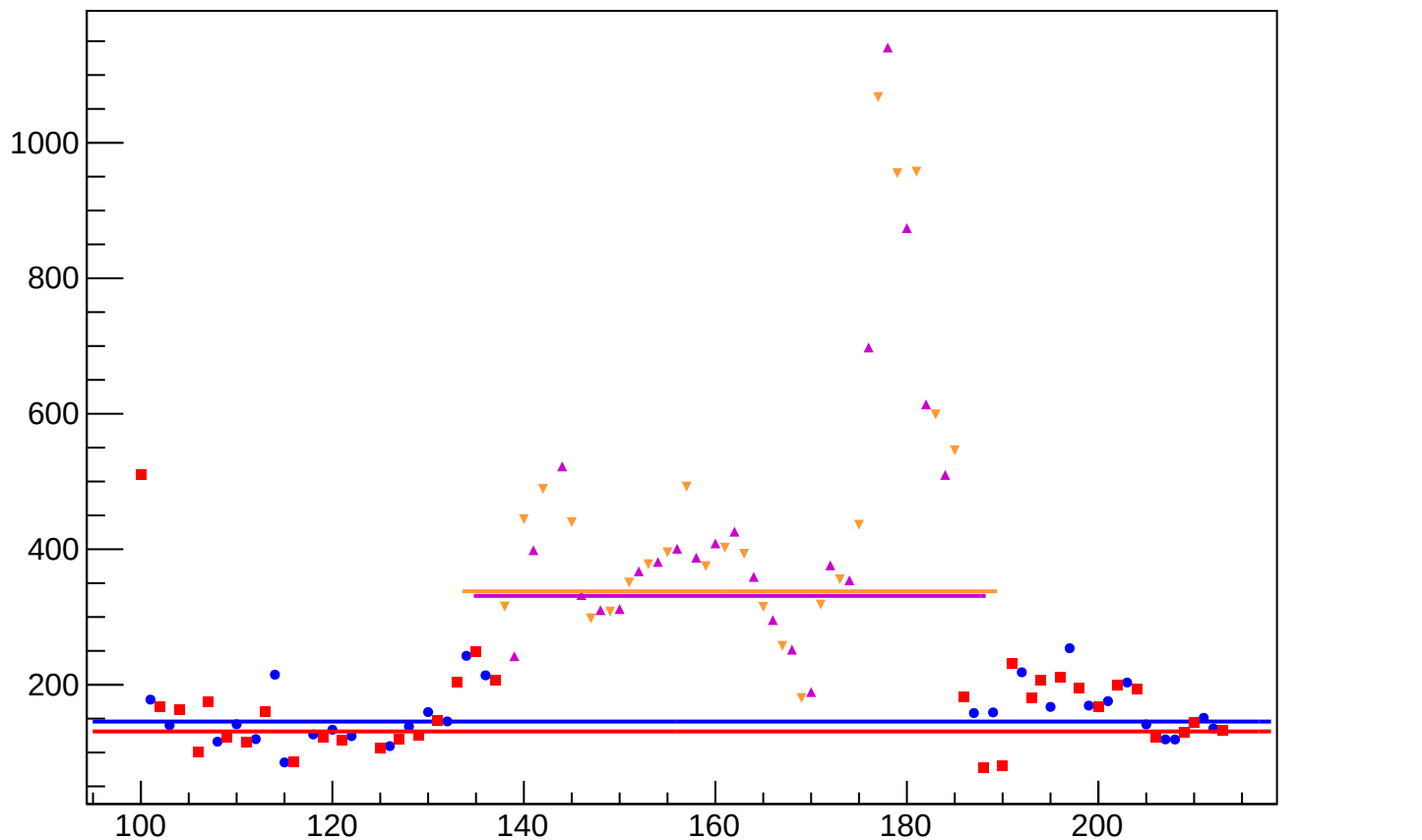
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.009 ± 0.034 χ^2/NDF : 56.0/52

All: -0.022 ± 0.023 χ^2/NDF : 125.6/108

- sign -0.032 ± 0.031 χ^2/NDF : 69.4/55

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.667 $\pm$ 0.026 χ^2 /NDF: 1640404.1/28

Left Out: 337.937 $\pm$ 0.060 χ^2 /NDF: 4517129.8/23

Right Out: 131.066 $\pm$ 0.023 χ^2 /NDF: 3221398.3/32

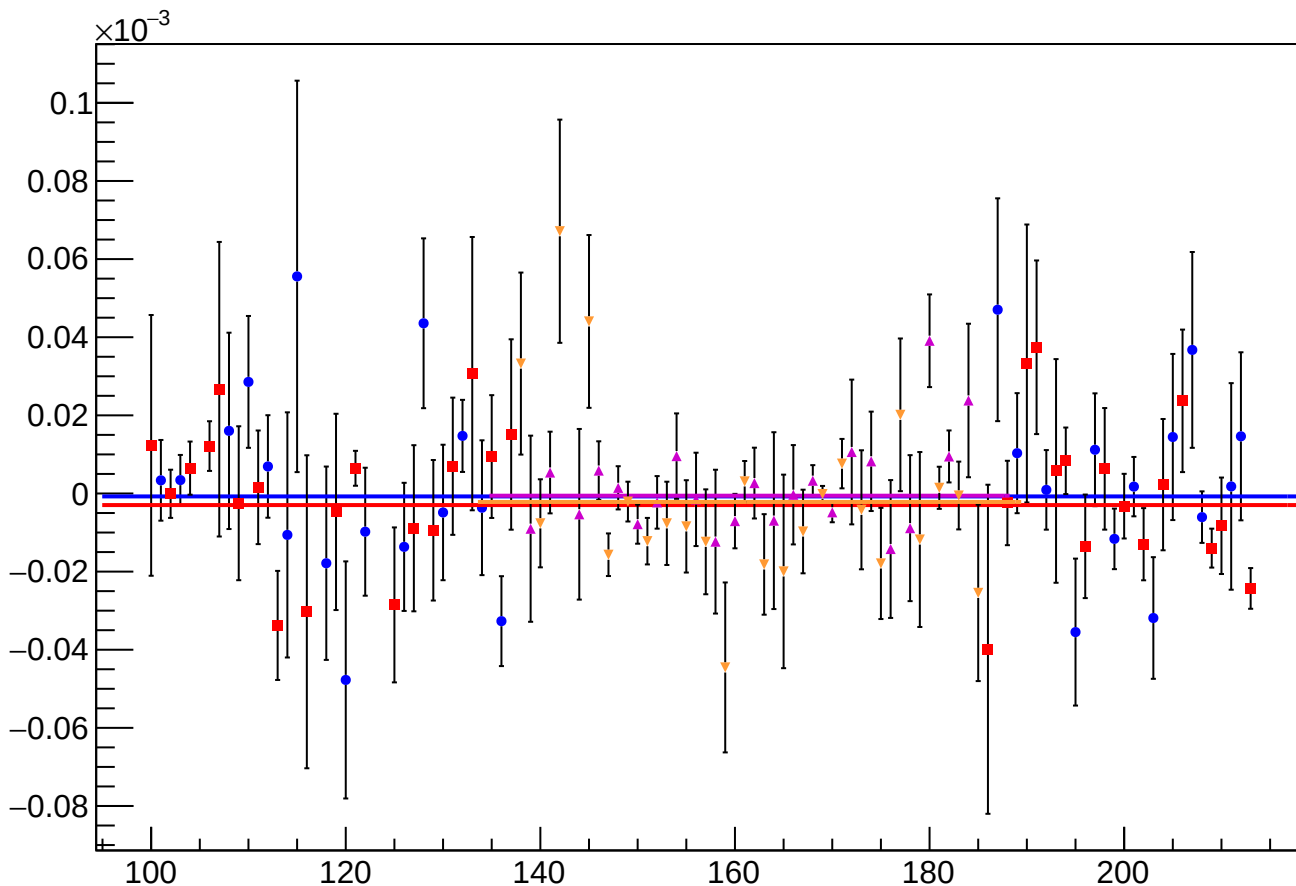
Left In: 331.158 $\pm$ 0.059 χ^2 /NDF: 4106959.8/22

+ sign 175.979 $\pm$ 0.024 χ^2 /NDF: 14684930.3/52

All: 166.261 $\pm$ 0.016 χ^2 /NDF: 32255630.5/10

- sign 158.275 $\pm$ 0.022 χ^2 /NDF: 17271830.2/55

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 56.0/32

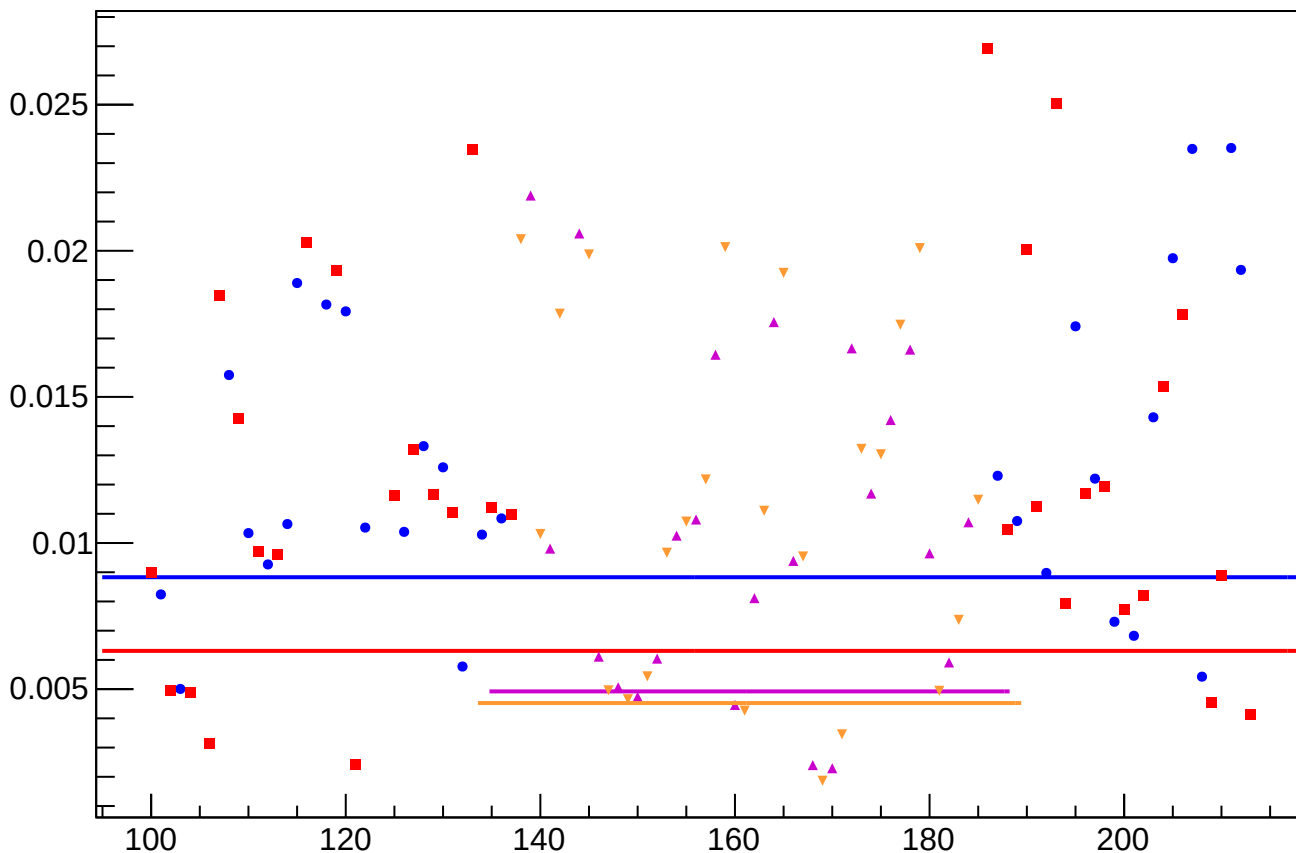
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 79.9/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 163.2/108

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 83.3/55

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 5836030.8/28

Left Out: 0.005+/-0.000 χ^2/NDF :14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF : 10061541.9/32

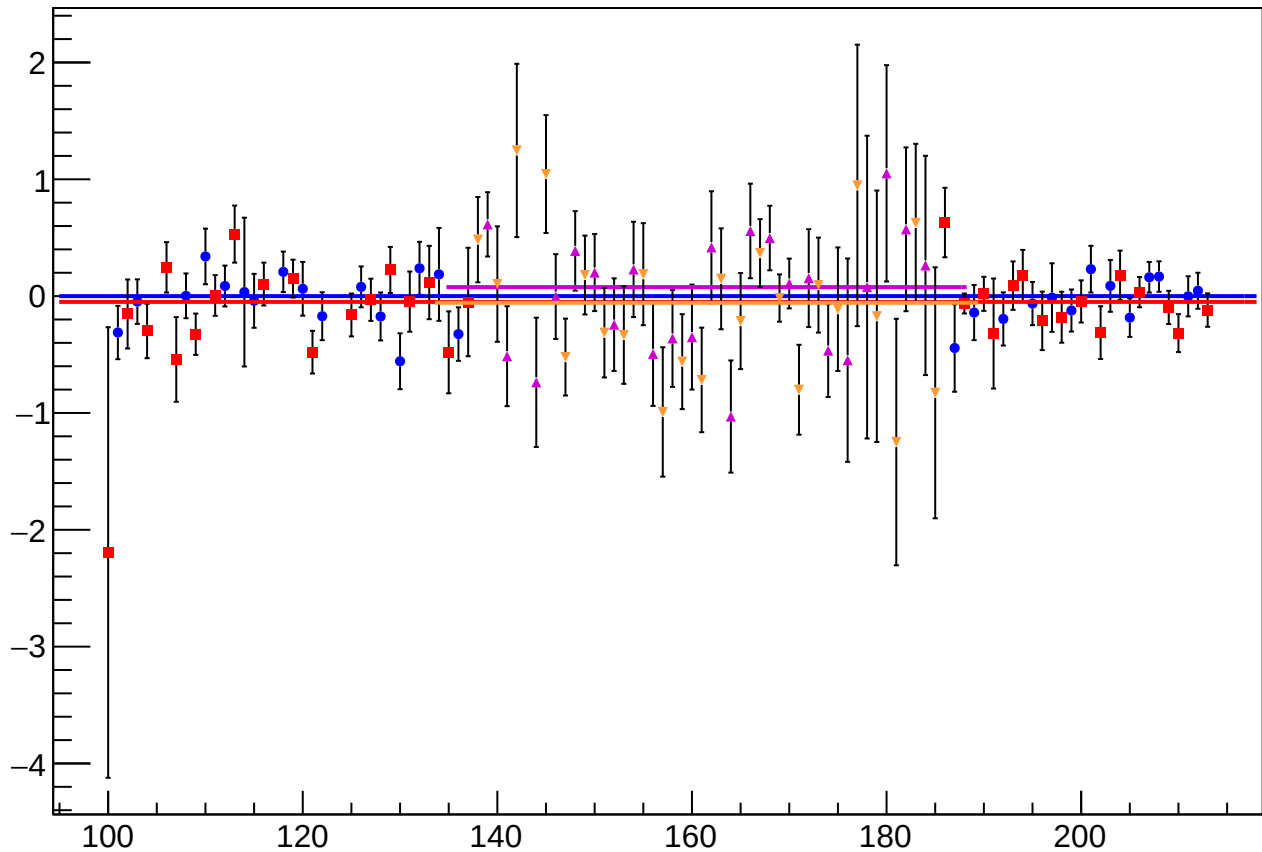
Left In: 0.005+/-0.000 χ^2/NDF :11626984.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 24912040.0/52

All: 0.006+/-0.000 χ^2/NDF : 47318269.2/108

- sign 0.005+/-0.000 χ^2/NDF : 22392792.4/55

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.037 χ^2/NDF : 25.2/28

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.049 ± 0.033 χ^2/NDF : 40.4/32

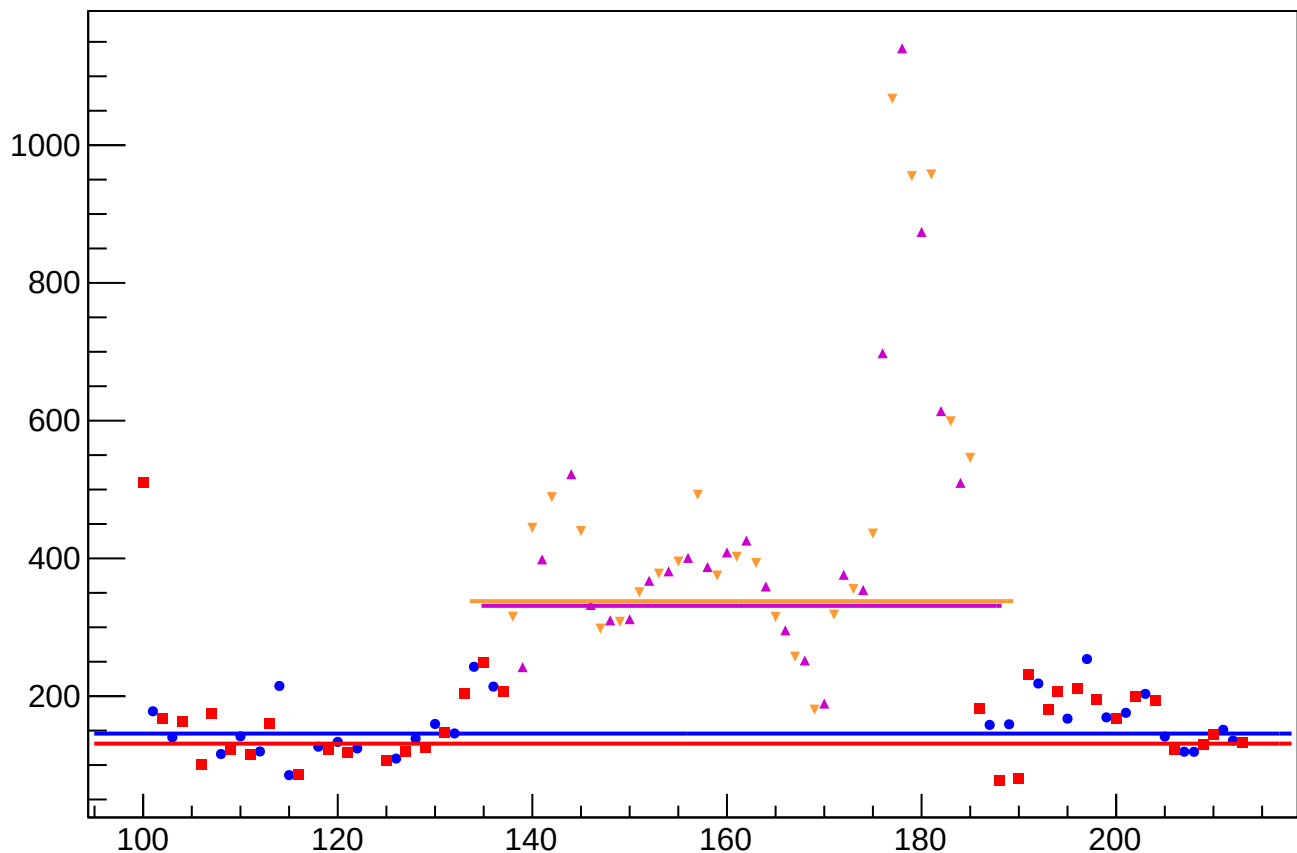
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.009 ± 0.034 χ^2/NDF : 56.0/52

All: -0.022 ± 0.023 χ^2/NDF : 125.6/108

- sign -0.032 ± 0.031 χ^2/NDF : 69.4/55

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.667 $\pm$ 0.026 χ^2 /NDF: 1640399.5/28

Left Out: 337.939 $\pm$ 0.060 χ^2 /NDF: 4517201.8/23

Right Out: 131.064 $\pm$ 0.023 χ^2 /NDF: 3221561.4/32

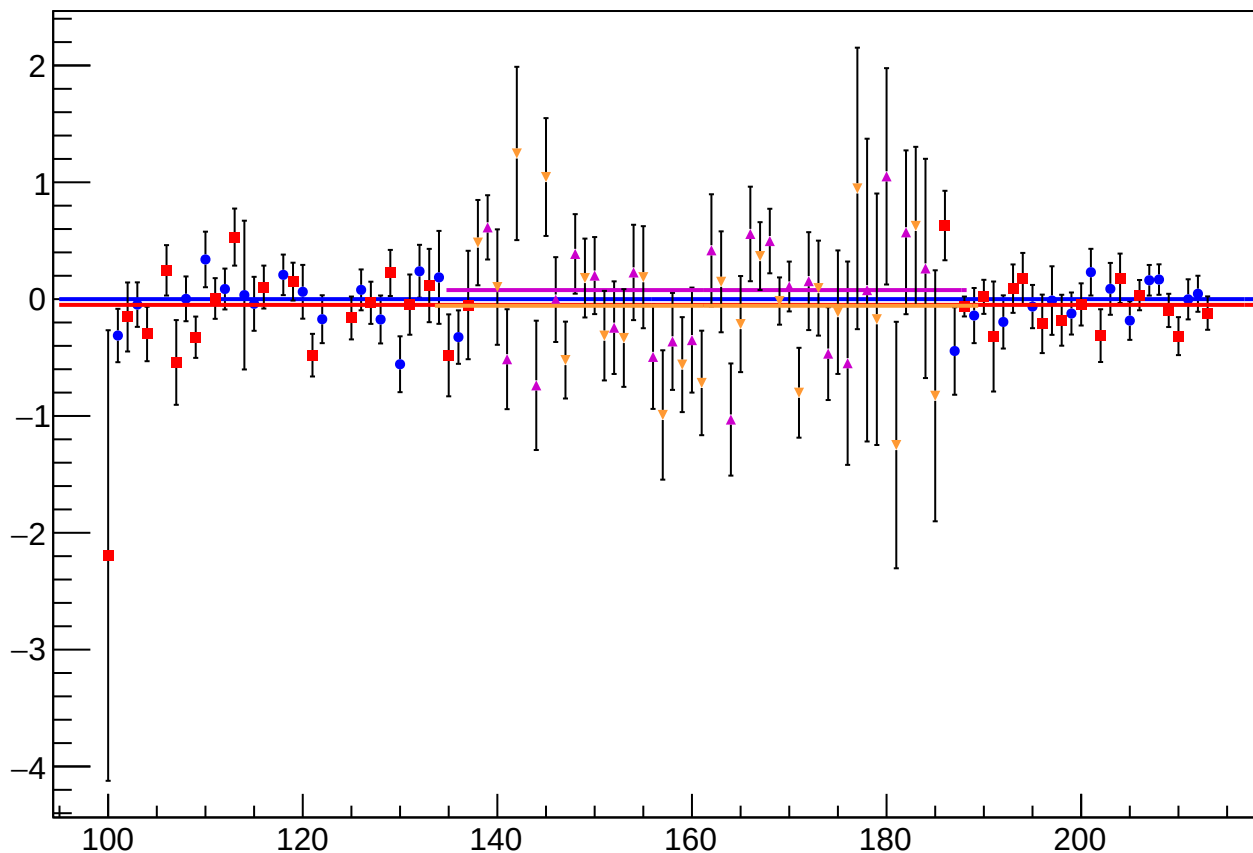
Left In: 331.161 $\pm$ 0.059 χ^2 /NDF: 4106963.1/22

+ sign 175.979 $\pm$ 0.024 χ^2 /NDF: 14685047.8/52

All: 166.260 $\pm$ 0.016 χ^2 /NDF: 32256285.1/10

- sign 158.273 $\pm$ 0.022 χ^2 /NDF: 17272300.9/55

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.037 χ^2/NDF : 25.2/28

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.049 ± 0.033 χ^2/NDF : 40.4/32

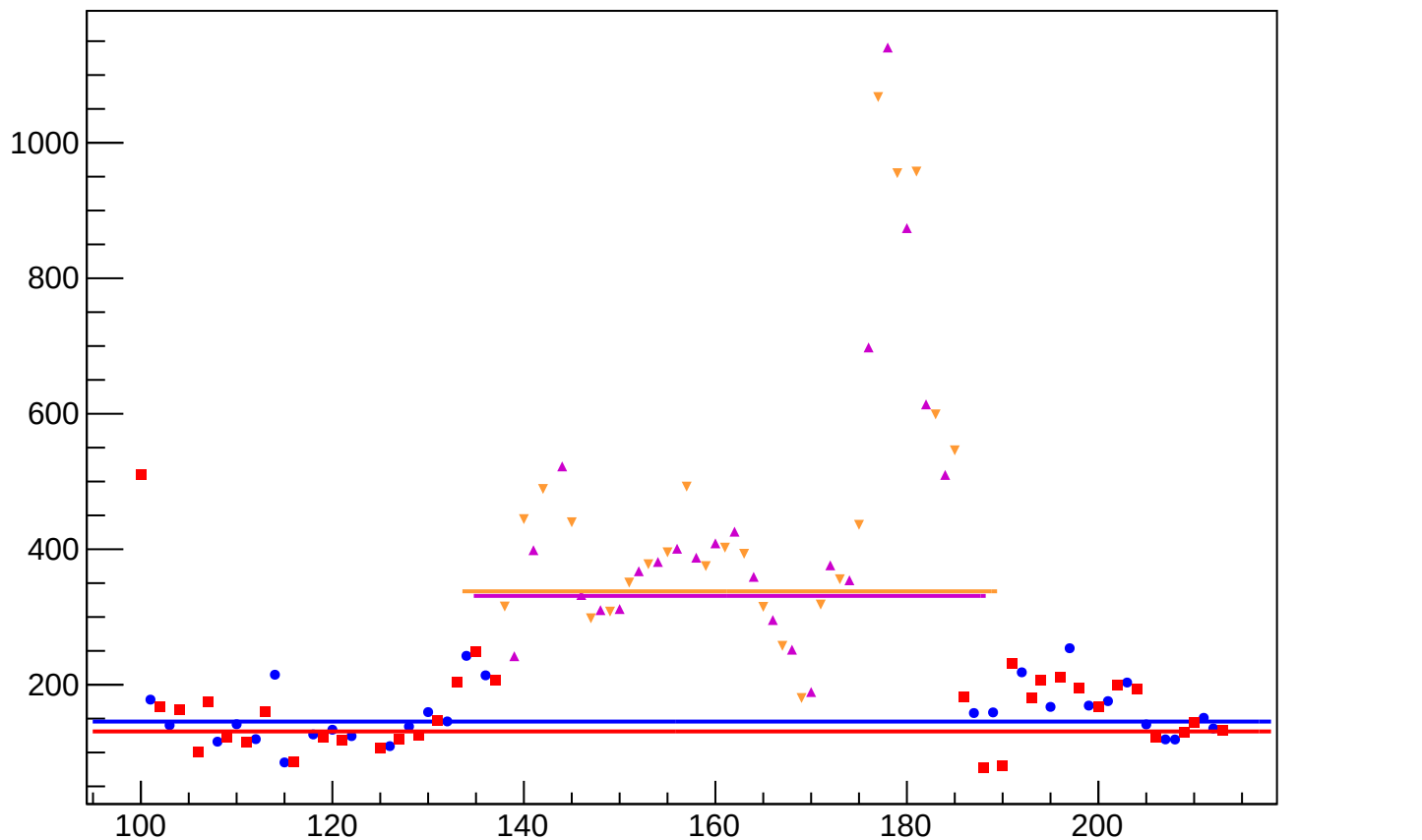
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.009 ± 0.034 χ^2/NDF : 56.0/52

All: -0.022 ± 0.023 χ^2/NDF : 125.6/108

- sign -0.032 ± 0.031 χ^2/NDF : 69.4/55

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.667 $\pm$ 0.026 χ^2 /NDF: 1640399.5/28

Left Out: 337.939 $\pm$ 0.060 χ^2 /NDF: 4517201.8/23

Right Out: 131.064 $\pm$ 0.023 χ^2 /NDF: 3221561.4/32

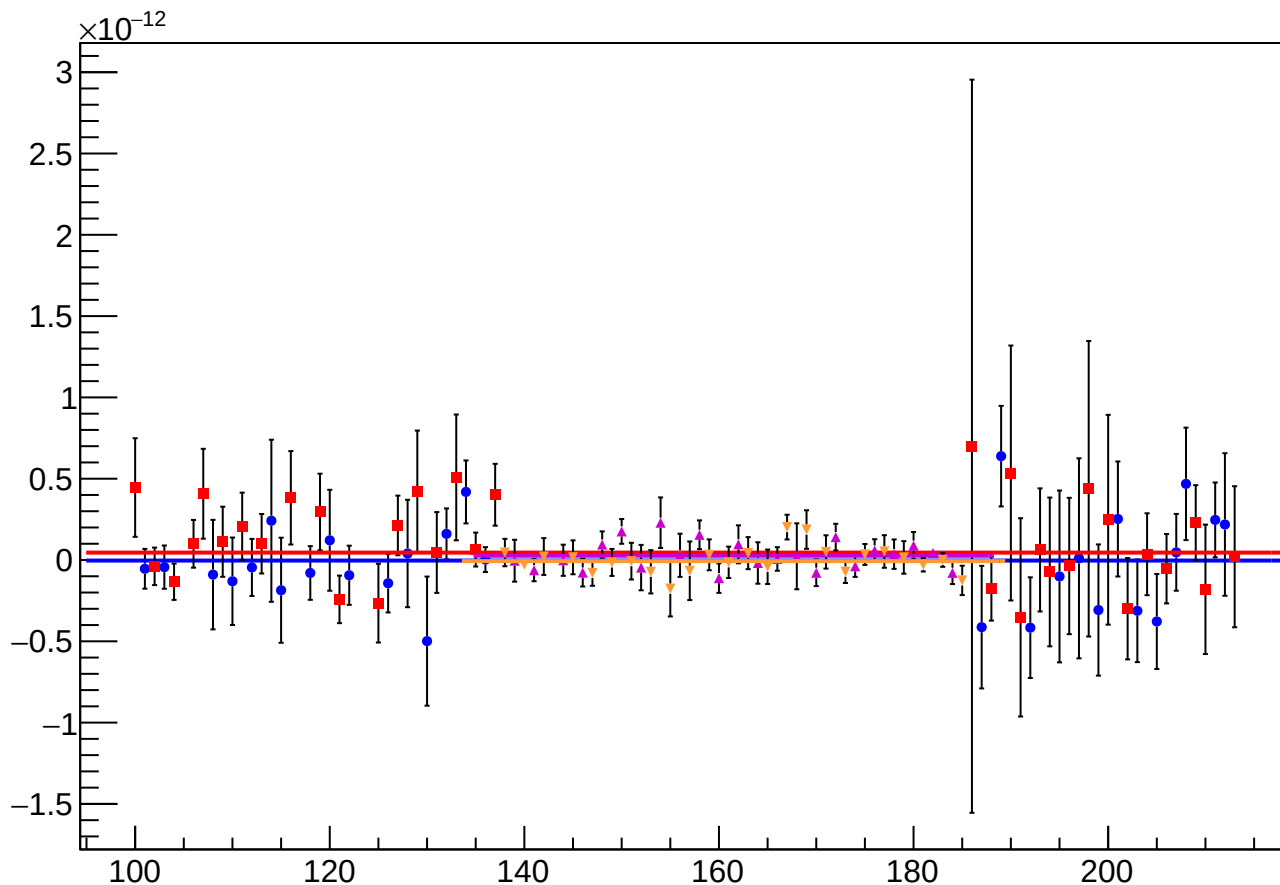
Left In: 331.161 $\pm$ 0.059 χ^2 /NDF: 4106963.1/22

+ sign 175.979 $\pm$ 0.024 χ^2 /NDF: 14685047.8/52

All: 166.260 $\pm$ 0.016 χ^2 /NDF: 32256285.1/10

- sign 158.273 $\pm$ 0.022 χ^2 /NDF: 17272300.9/55

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.2/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.3/32

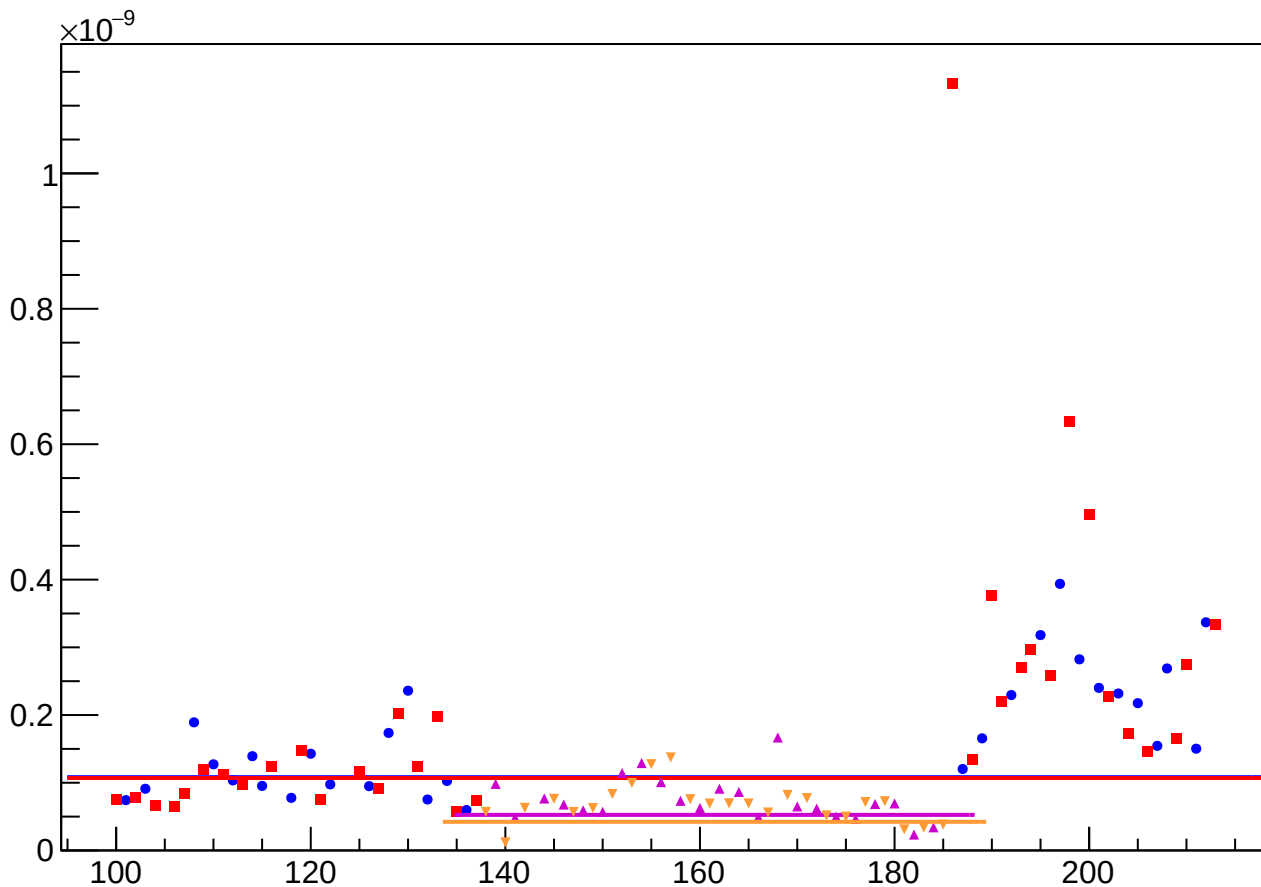
Left In: 0.000 ± 0.000 χ^2/NDF : 22.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.3/52

All: 0.000 ± 0.000 χ^2/NDF : 95.8/108

- sign 0.000 ± 0.000 χ^2/NDF : 50.3/55

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5097329.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 6195234.5/32

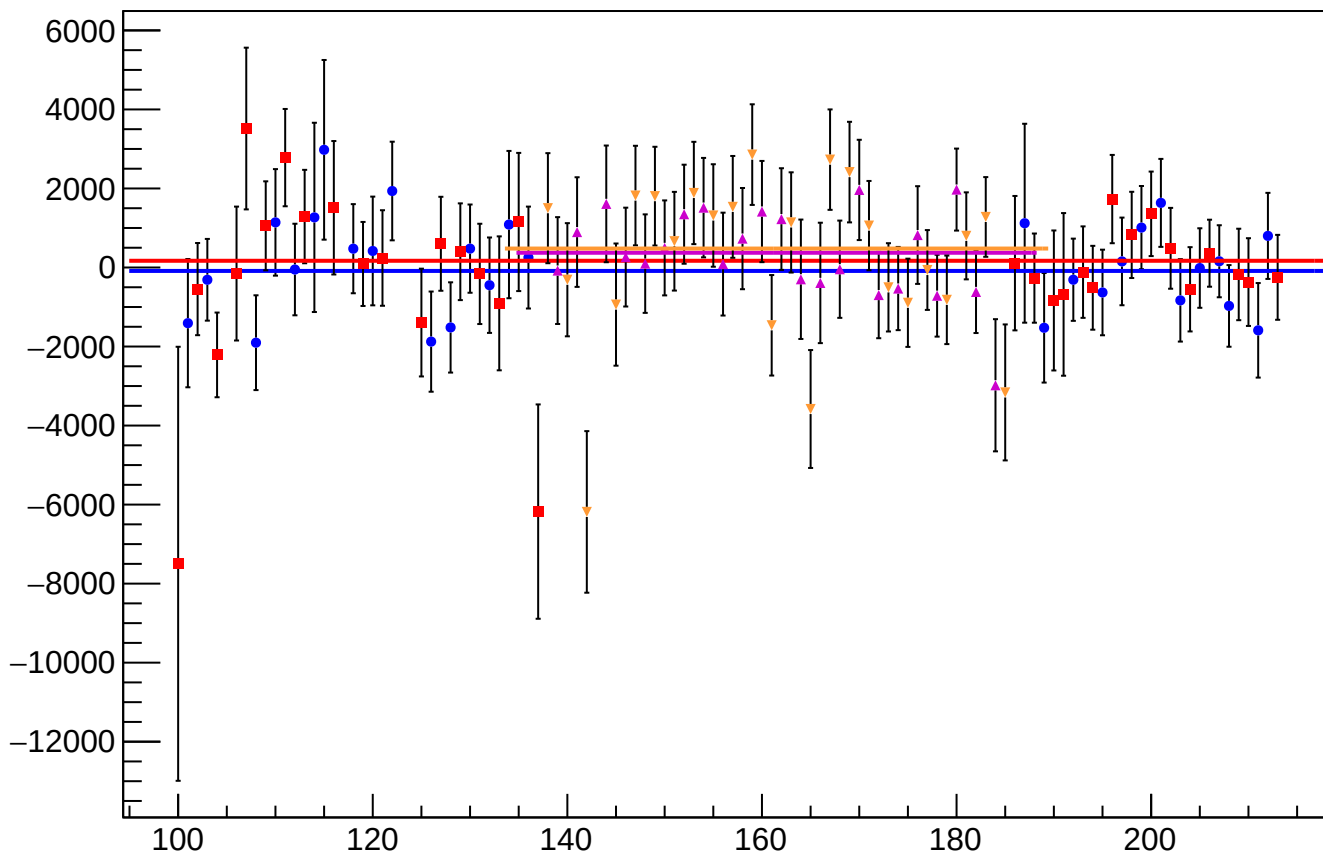
Left In: 0.000+/-0.000 χ^2/NDF : 4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 16926706.3/52

All: 0.000+/-0.000 χ^2/NDF : 32113561.4/108

- sign 0.000+/-0.000 χ^2/NDF : 14621273.2/55

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -86.902 ± 223.817 χ^2/NDF : 22.0/28

Left Out: 479.555 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 170.094 ± 217.483 χ^2/NDF : 30.1/32

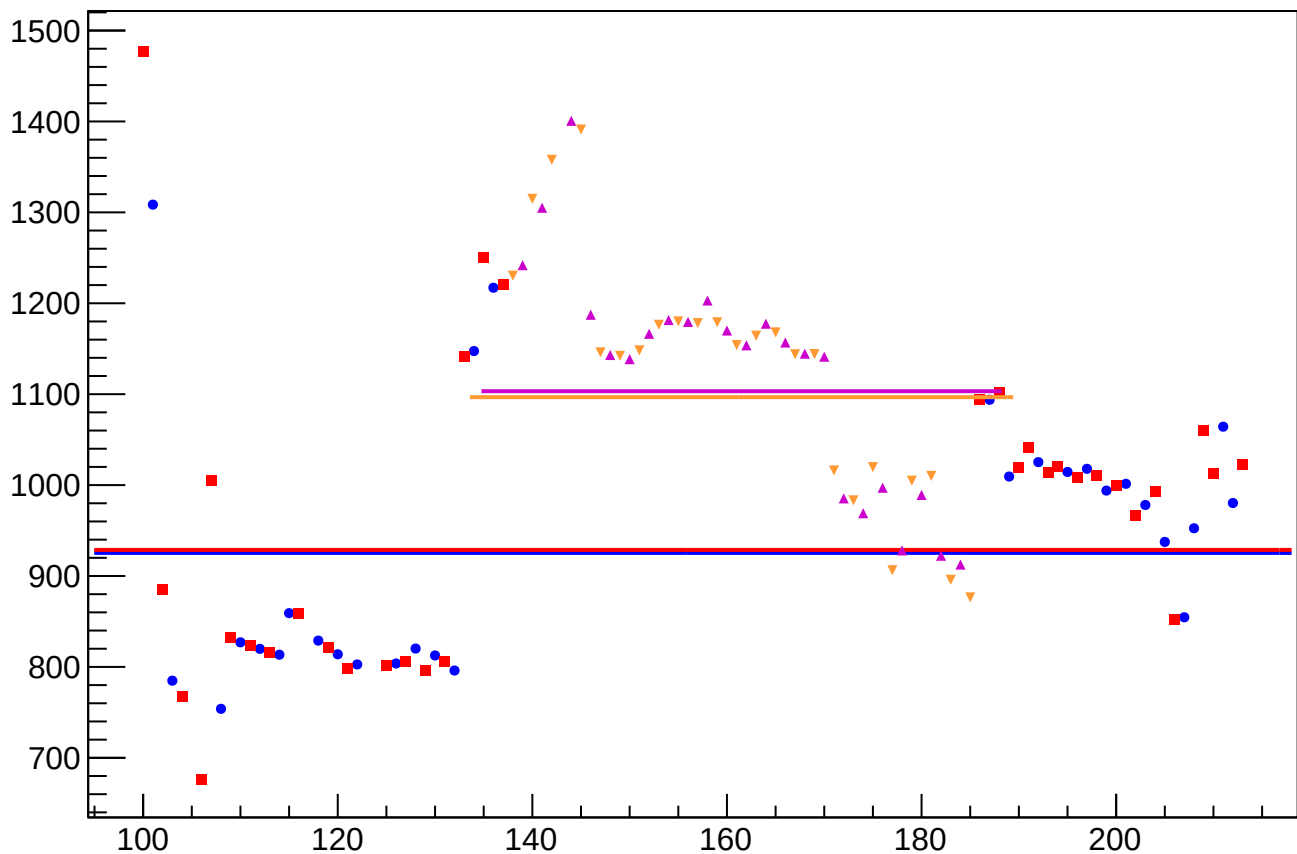
Left In: 372.926 ± 259.314 χ^2/NDF : 16.0/22

+ sign 158.144 ± 168.593 χ^2/NDF : 70.0/52

All: 206.556 ± 118.515 χ^2/NDF : 116.7/108

- sign 253.851 ± 166.636 χ^2/NDF : 46.5/55

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 925.434 $\pm$ 0.158 χ^2 /NDF: 609992.5/28

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF:480498.6/23

Right Out: 928.697 $\pm$ 0.153 χ^2 /NDF: 656600.9/32

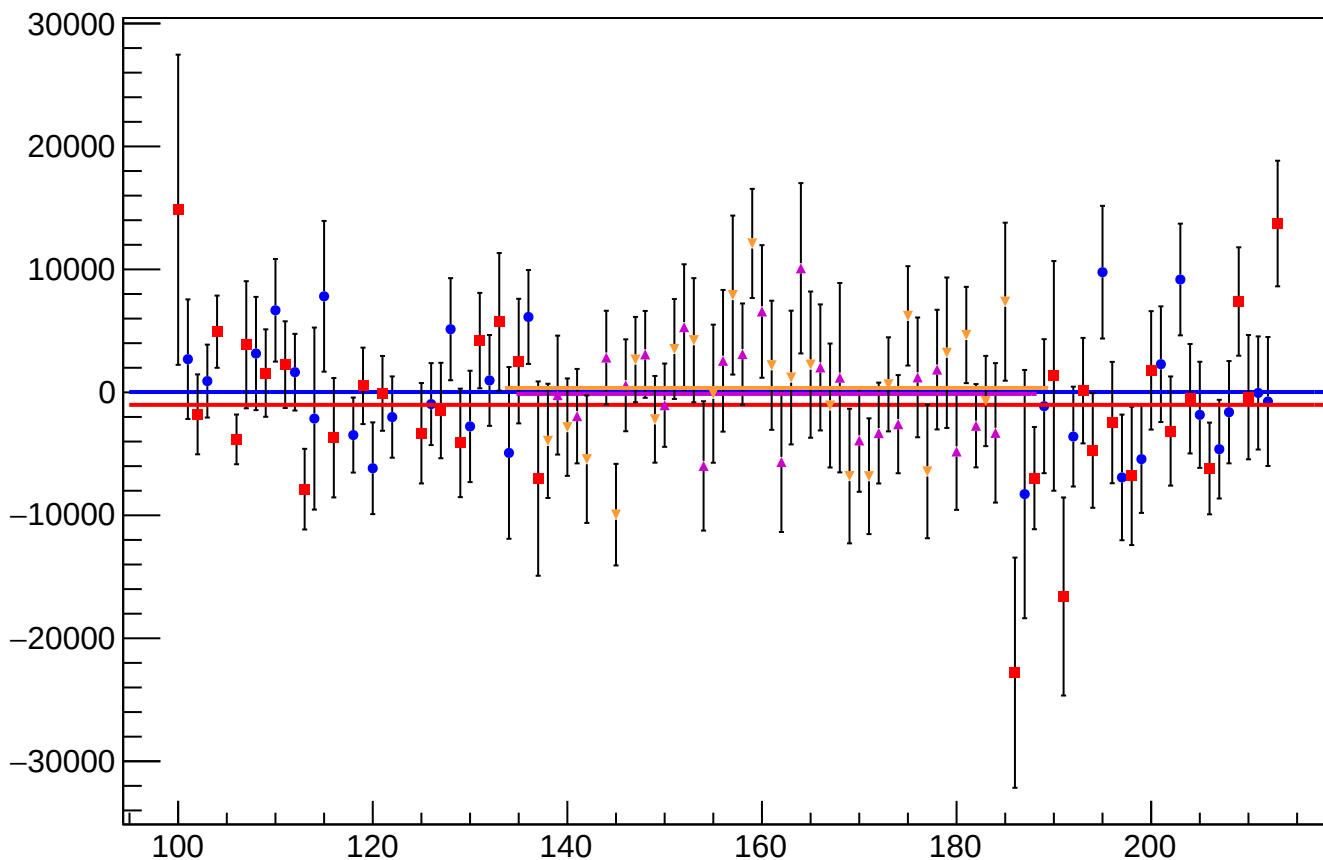
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF:447540.4/22

+ sign 999.528 $\pm$ 0.119 χ^2 /NDF: 1597159.7/52

All: 999.923 $\pm$ 0.084 χ^2 /NDF: 3236022.7/108

- sign 1000.306 $\pm$ 0.117 χ^2 /NDF: 1638841.4/55

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 28.464 ± 786.062 $\chi^2/\text{NDF}: 29.1/28$

Left Out: 357.729 ± 934.220 $\chi^2/\text{NDF}: 30.3/23$

Right Out: -1016.435 ± 715.902 $\chi^2/\text{NDF}: 47.8/32$

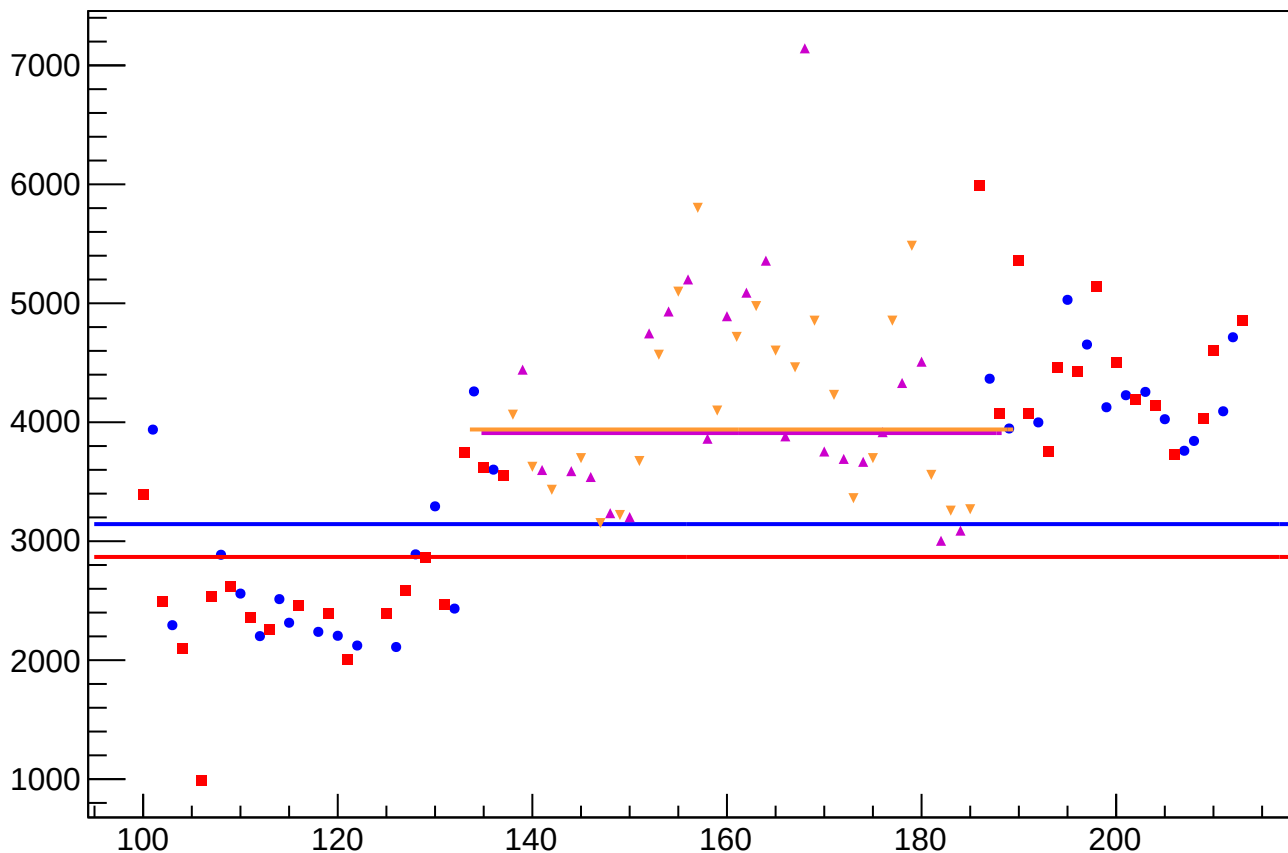
Left In: -126.696 ± 932.645 $\chi^2/\text{NDF}: 13.8/22$

+ sign 164.948 ± 601.474 $\chi^2/\text{NDF}: 59.4/52$

All: -285.241 ± 412.920 $\chi^2/\text{NDF}: 122.6/108$

- sign -686.556 ± 567.888 $\chi^2/\text{NDF}: 62.1/55$

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3143.721 $\pm$ 0.556 χ^2/NDF : 2704522.5/28

Left Out: 3939.261 $\pm$ 0.661 χ^2/NDF : 1092666.9/23

Right Out: 2867.668 $\pm$ 0.506 χ^2/NDF : 5192403.3/32

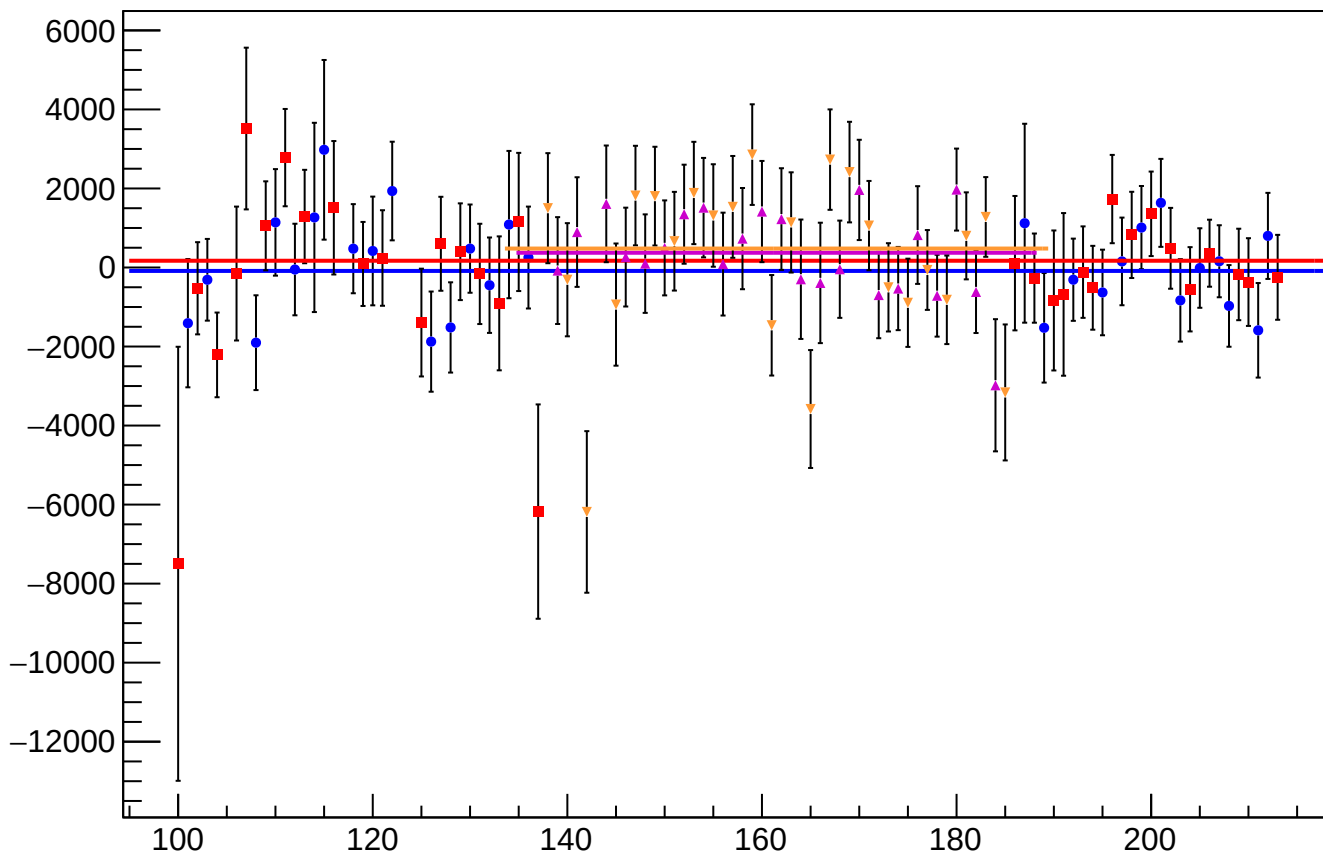
Left In: 3909.133 $\pm$ 0.659 χ^2/NDF : 1300774.2/22

+ sign 3473.481 $\pm$ 0.425 χ^2/NDF : 4646321.0/52

All: 3357.336 $\pm$ 0.292 χ^2/NDF : 12849842.8/100

- sign 3253.801 $\pm$ 0.402 χ^2/NDF : 8062468.1/55

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -86.910 ± 223.817 χ^2/NDF : 22.0/28

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 170.856 ± 217.485 χ^2/NDF : 30.1/32

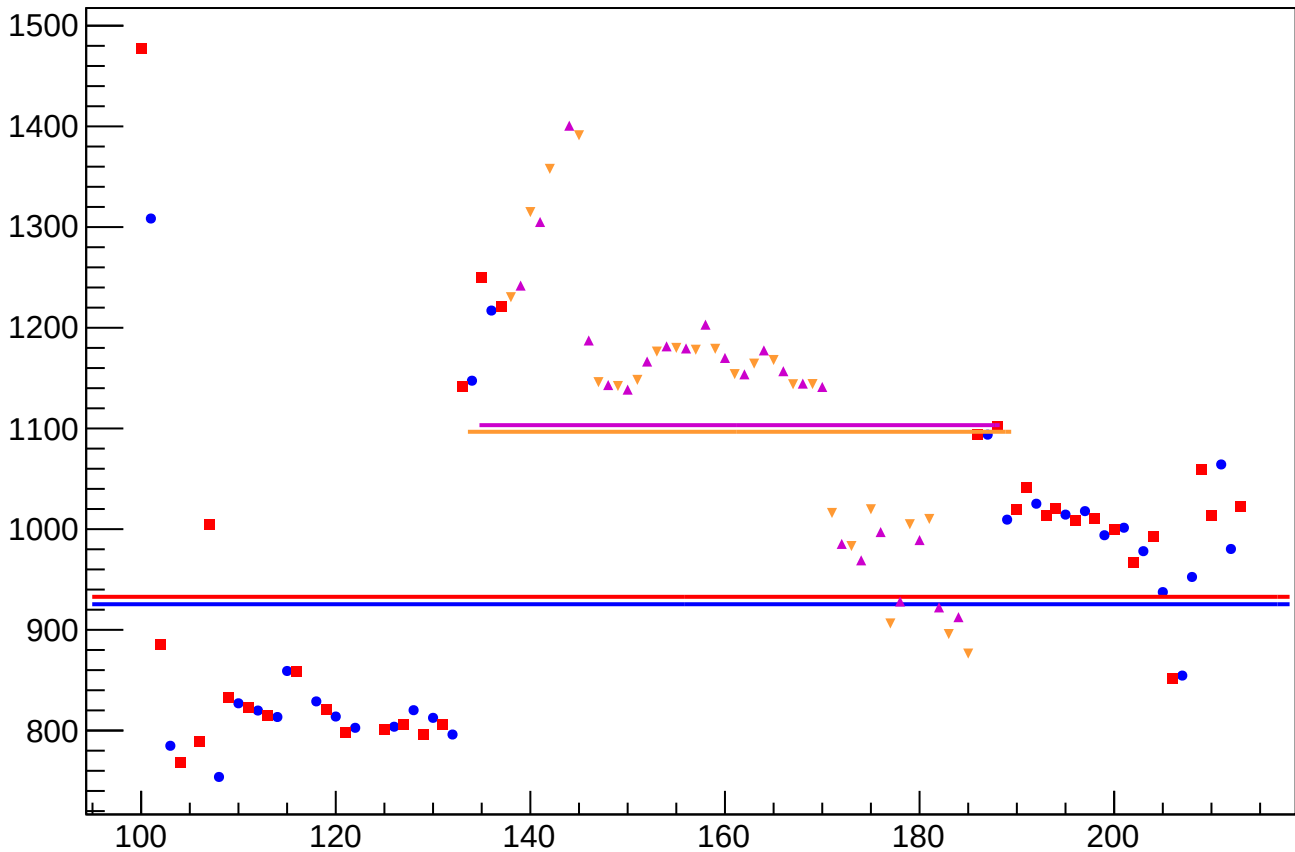
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 158.152 ± 168.593 χ^2/NDF : 70.0/52

All: 206.781 ± 118.515 χ^2/NDF : 116.7/108

- sign 254.289 ± 166.636 χ^2/NDF : 46.5/55

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 925.434 $\pm$ 0.158 χ^2 /NDF: 609992.3/28

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF:480498.6/23

Right Out: 932.798 $\pm$ 0.153 χ^2 /NDF: 597645.7/32

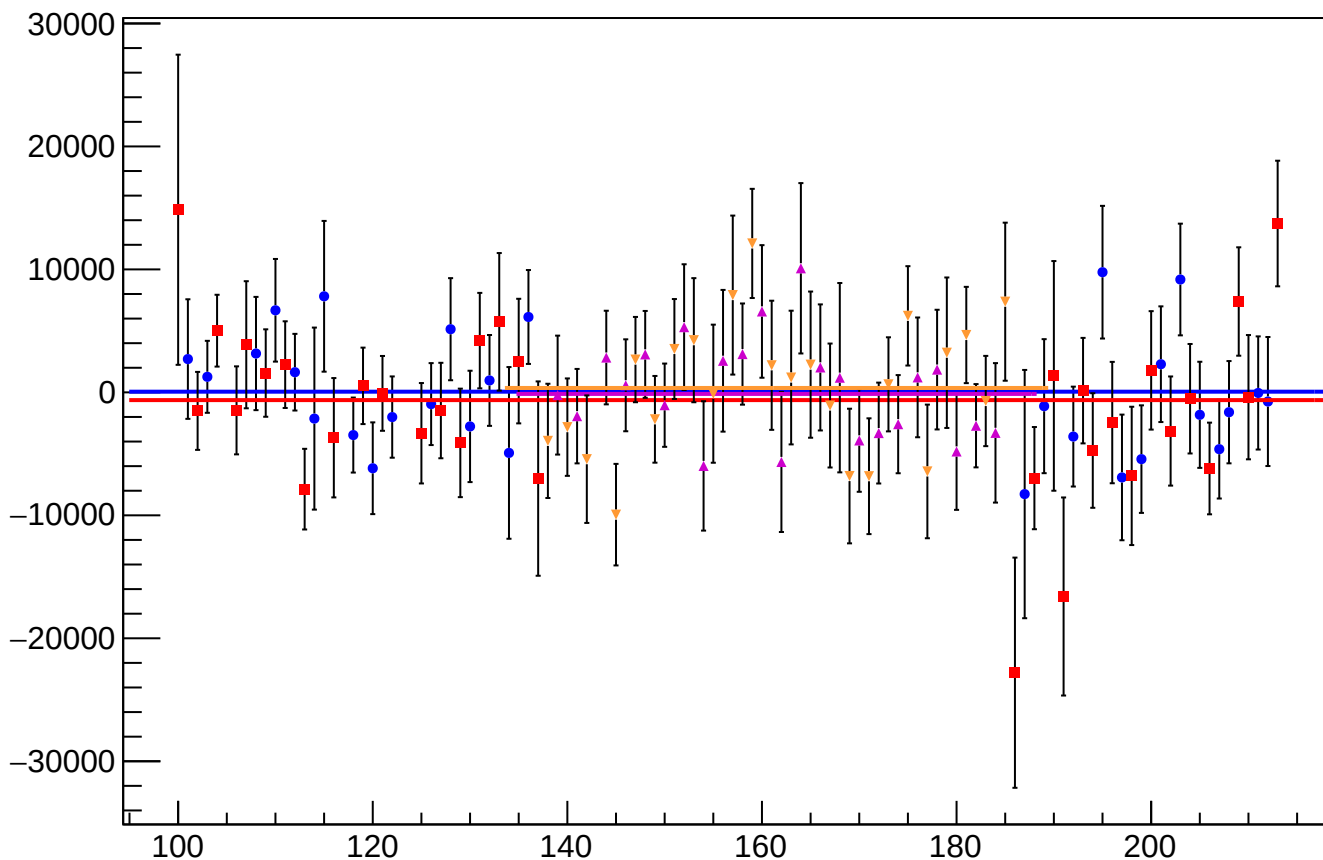
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF:447540.3/22

+ sign 999.528 $\pm$ 0.119 χ^2 /NDF: 1597159.8/52

All: 1001.287 $\pm$ 0.084 χ^2 /NDF: 3151250.8/10

- sign 1003.001 $\pm$ 0.118 χ^2 /NDF: 1553660.9/55

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 55.427 ± 785.324 χ^2/NDF : 29.2/28

Left Out: 357.728 ± 934.221 χ^2/NDF : 30.3/23

Right Out: -629.307 ± 747.304 χ^2/NDF : 45.7/32

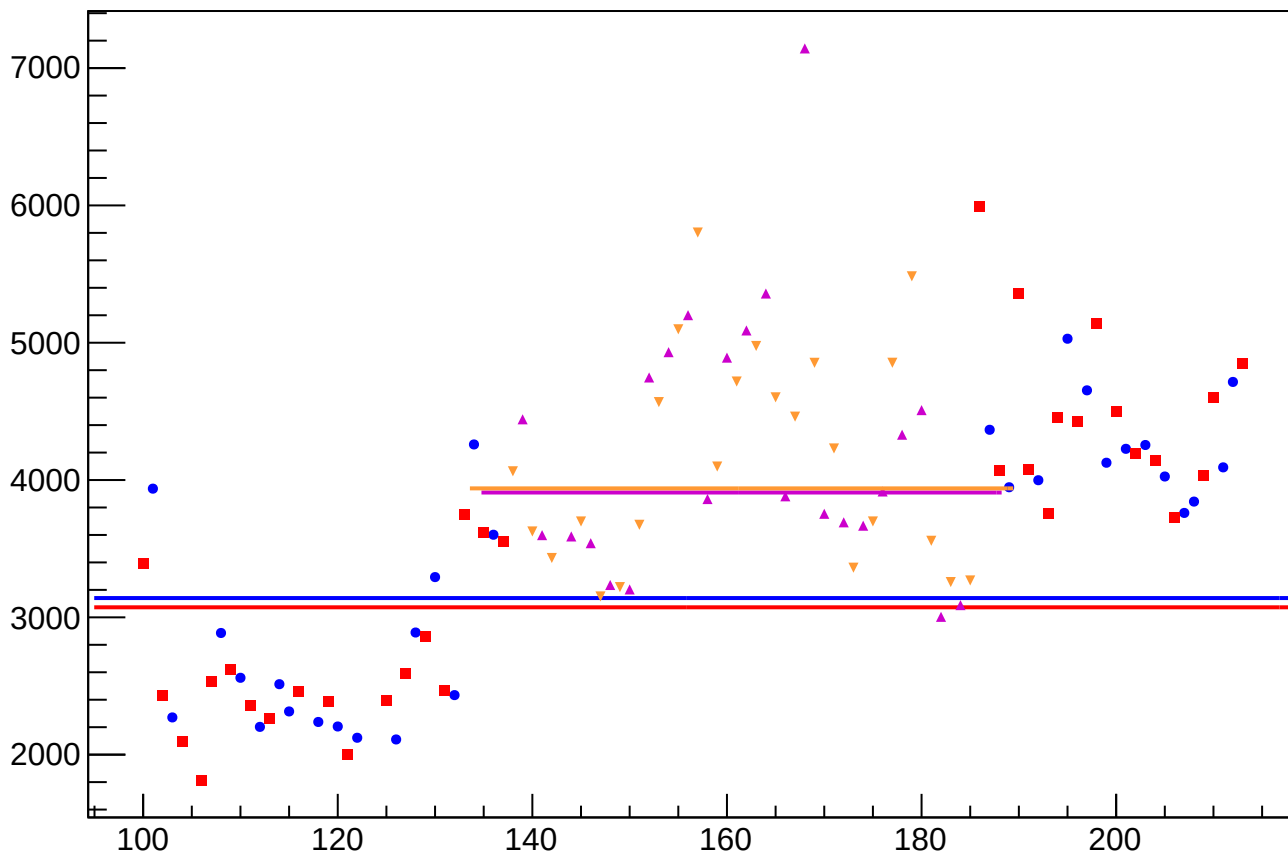
Left In: -126.635 ± 932.644 χ^2/NDF : 13.8/22

+ sign 180.596 ± 601.143 χ^2/NDF : 59.5/52

All: -135.382 ± 418.578 χ^2/NDF : 119.7/108

- sign -432.762 ± 583.183 χ^2/NDF : 59.6/55

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3140.459+/-0.555 χ^2/NDF : 2718037.4/28

Left Out: 3939.266+/-0.661 χ^2/NDF :1092657.5/23

Right Out: 3073.082+/-0.528 χ^2/NDF : 3501001.6/32

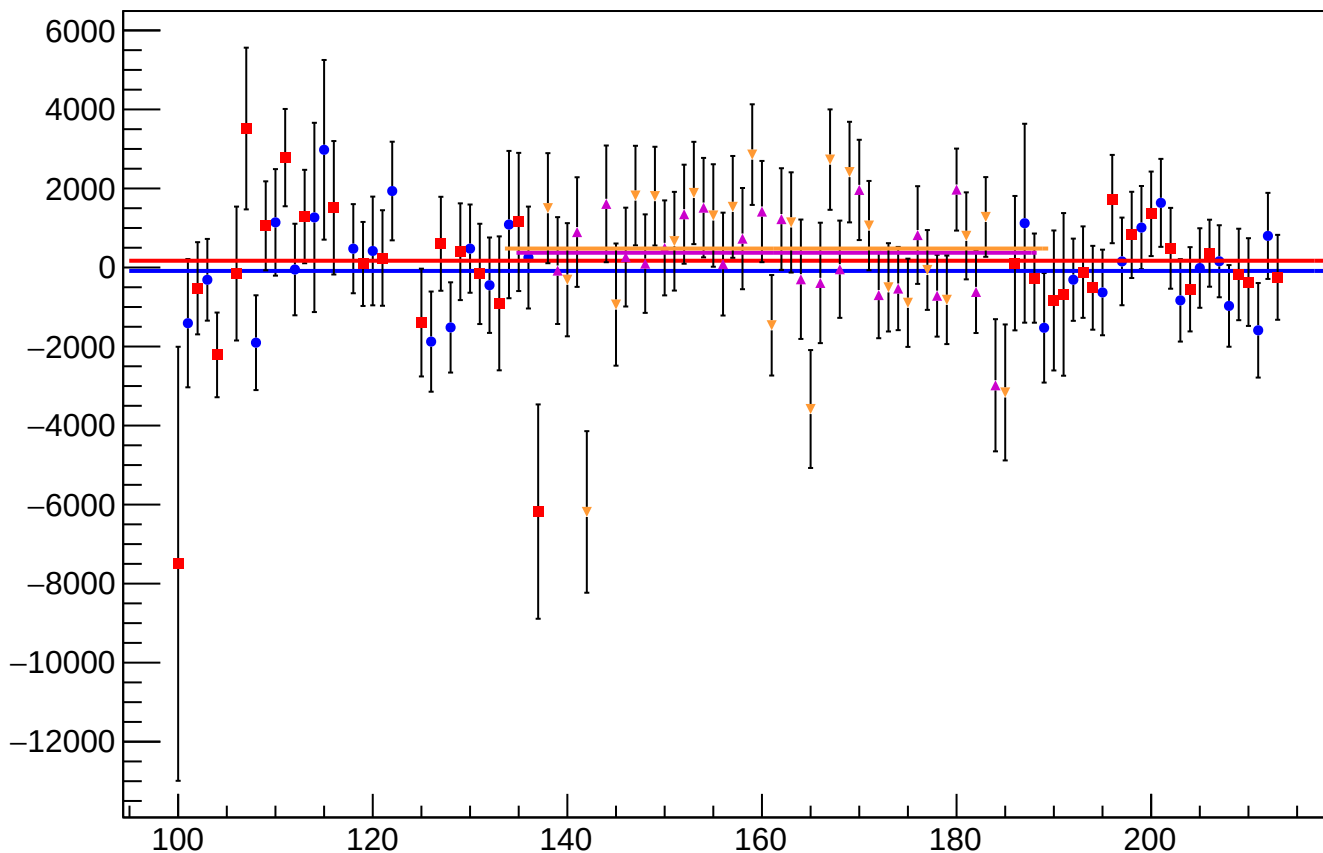
Left In: 3909.128+/-0.659 χ^2/NDF :1300782.7/22

+ sign 3471.208+/-0.425 χ^2/NDF : 4667479.3/52

All: 3434.513+/-0.296 χ^2/NDF : 10462484.4/100

- sign 3399.977+/-0.412 χ^2/NDF : 5780538.9/55

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -86.910 ± 223.817 χ^2/NDF : 22.0/28

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 170.856 ± 217.485 χ^2/NDF : 30.1/32

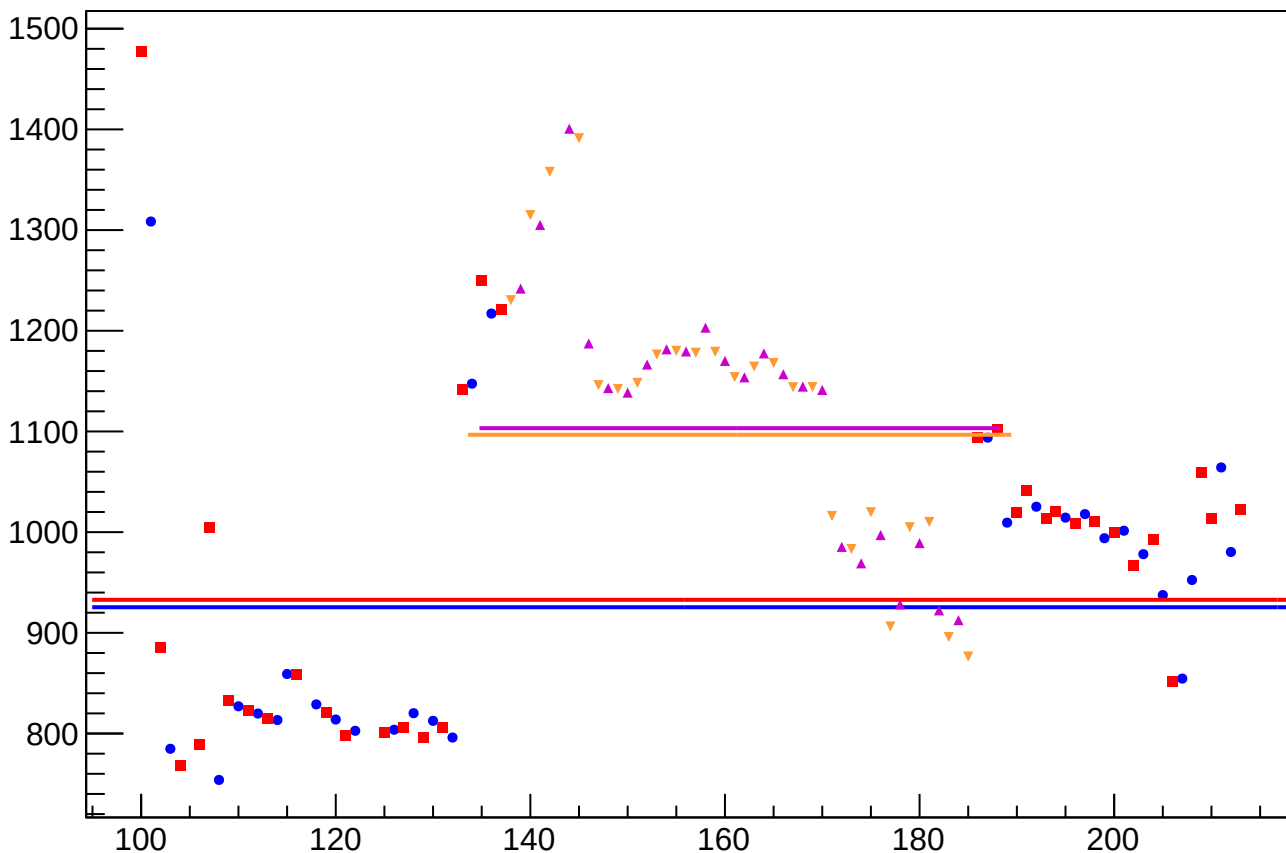
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 158.152 ± 168.593 χ^2/NDF : 70.0/52

All: 206.781 ± 118.515 χ^2/NDF : 116.7/108

- sign 254.289 ± 166.636 χ^2/NDF : 46.5/55

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 925.434+/-0.158 χ^2/NDF : 609992.3/28

Left Out: 1096.711+/-0.181 χ^2/NDF : 480498.6/23

Right Out: 932.798+/-0.153 χ^2/NDF : 597645.7/32

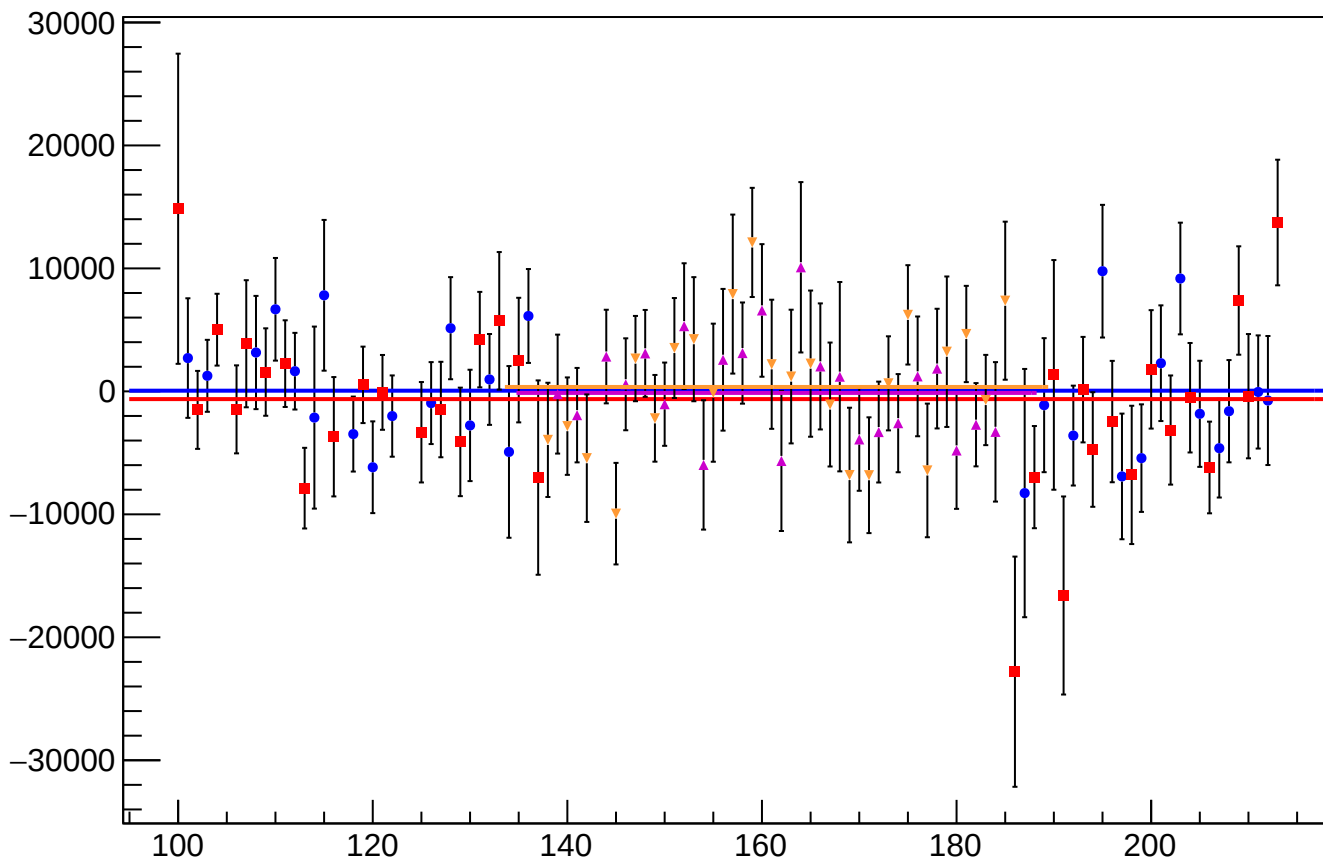
Left In: 1103.281+/-0.183 χ^2/NDF : 447540.3/22

+ sign 999.528+/-0.119 χ^2/NDF : 1597159.8/52

All: 1001.287+/-0.084 χ^2/NDF : 3151250.8/10

- sign 1003.001+/-0.118 χ^2/NDF : 1553660.9/55

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 55.427 ± 785.324 χ^2/NDF : 29.2/28

Left Out: 357.728 ± 934.221 χ^2/NDF : 30.3/23

Right Out: -629.307 ± 747.304 χ^2/NDF : 45.7/32

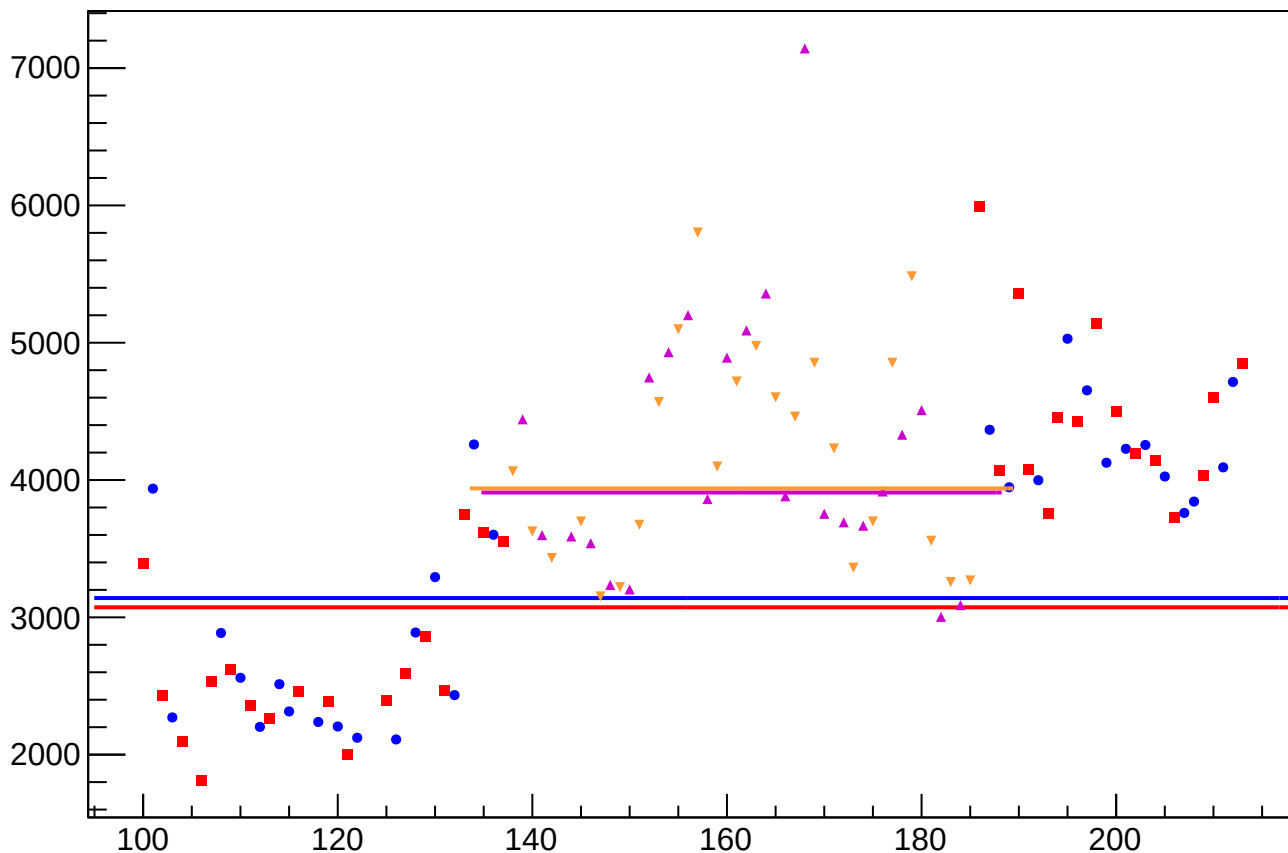
Left In: -126.635 ± 932.644 χ^2/NDF : 13.8/22

+ sign 180.596 ± 601.143 χ^2/NDF : 59.5/52

All: -135.382 ± 418.578 χ^2/NDF : 119.7/108

- sign -432.762 ± 583.183 χ^2/NDF : 59.6/55

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3140.459 $\pm$ 0.555 χ^2 /NDF: 2718037.4/28

Left Out: 3939.266 $\pm$ 0.661 χ^2 /NDF:1092657.5/23

Right Out: 3073.082 $\pm$ 0.528 χ^2 /NDF: 3501001.6/32

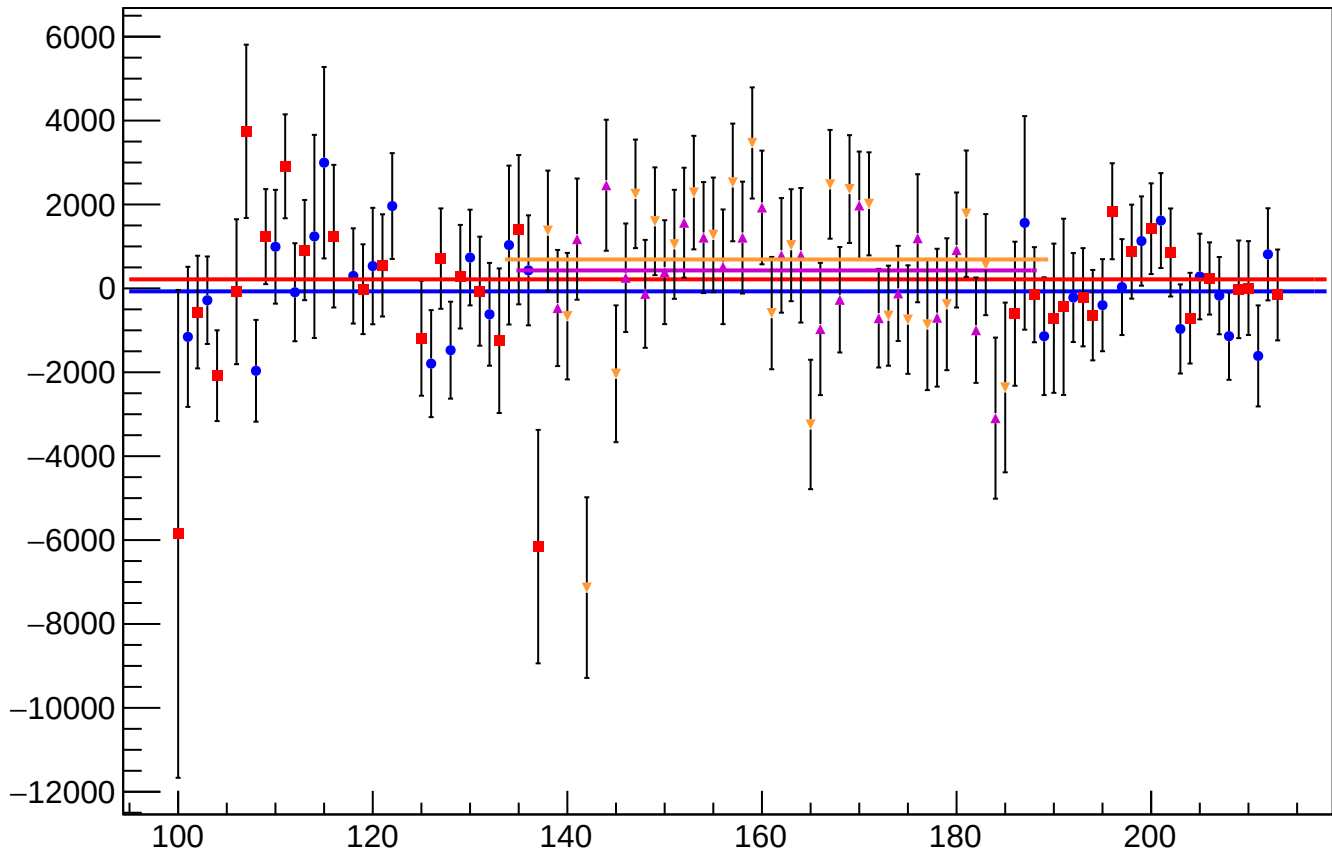
Left In: 3909.128 $\pm$ 0.659 χ^2 /NDF:1300782.7/22

+ sign 3471.208 $\pm$ 0.425 χ^2 /NDF: 4667479.3/52

All: 3434.513 $\pm$ 0.296 χ^2 /NDF: 10462484.4/100

- sign 3399.977 $\pm$ 0.412 χ^2 /NDF: 5780538.9/55

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -71.131 ± 226.721 χ^2/NDF : 21.8/28

Left Out: 689.087 ± 284.388 χ^2/NDF : 45.7/23

Right Out: 215.506 ± 221.082 χ^2/NDF : 29.3/32

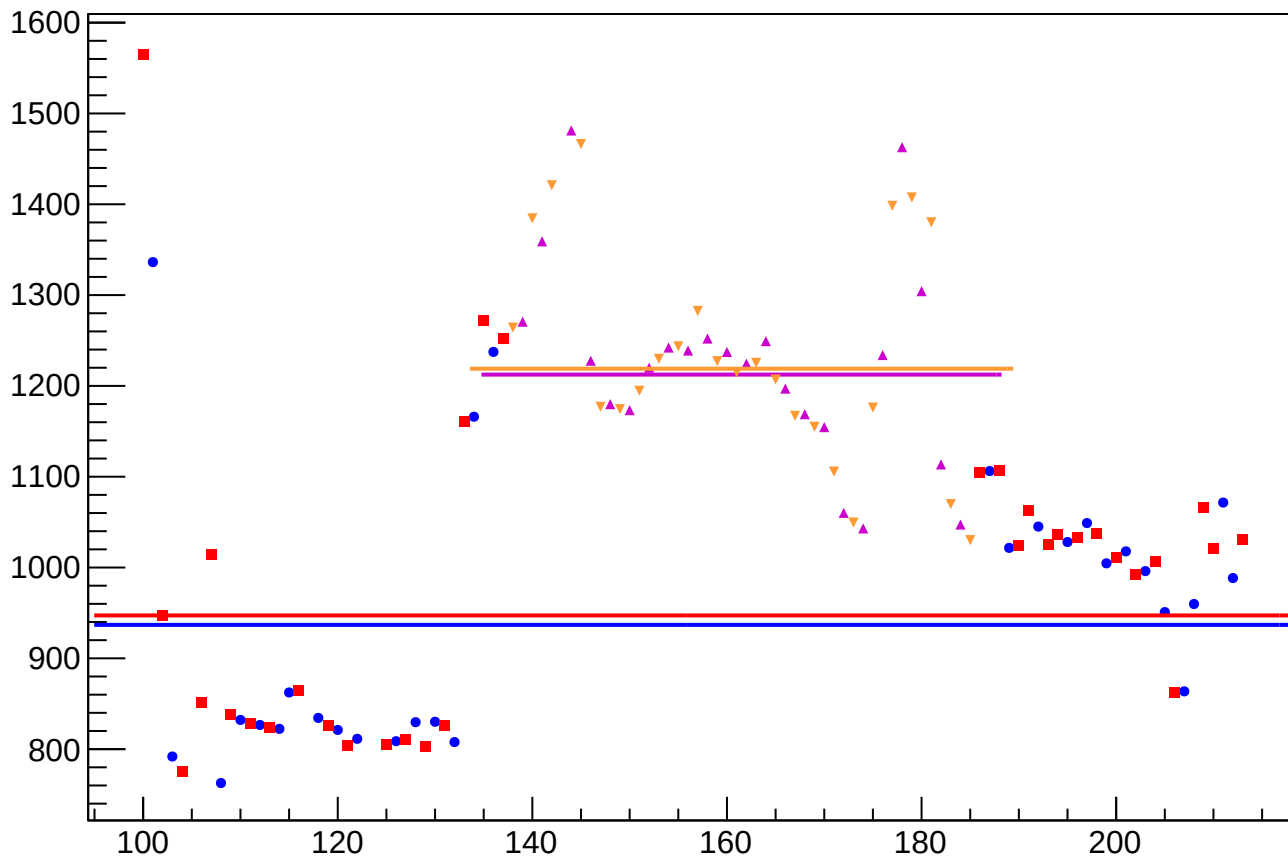
Left In: 428.052 ± 284.383 χ^2/NDF : 14.6/22

+ sign 224.283 ± 177.279 χ^2/NDF : 71.9/52

All: 260.482 ± 124.377 χ^2/NDF : 116.2/108

- sign 295.573 ± 174.543 χ^2/NDF : 44.2/55

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 936.866 $\pm$ 0.160 χ^2 /NDF: 630006.0/28

Left Out: 1218.928 $\pm$ 0.201 χ^2 /NDF: 293874.9/23

Right Out: 947.252 $\pm$ 0.156 χ^2 /NDF: 601269.9/32

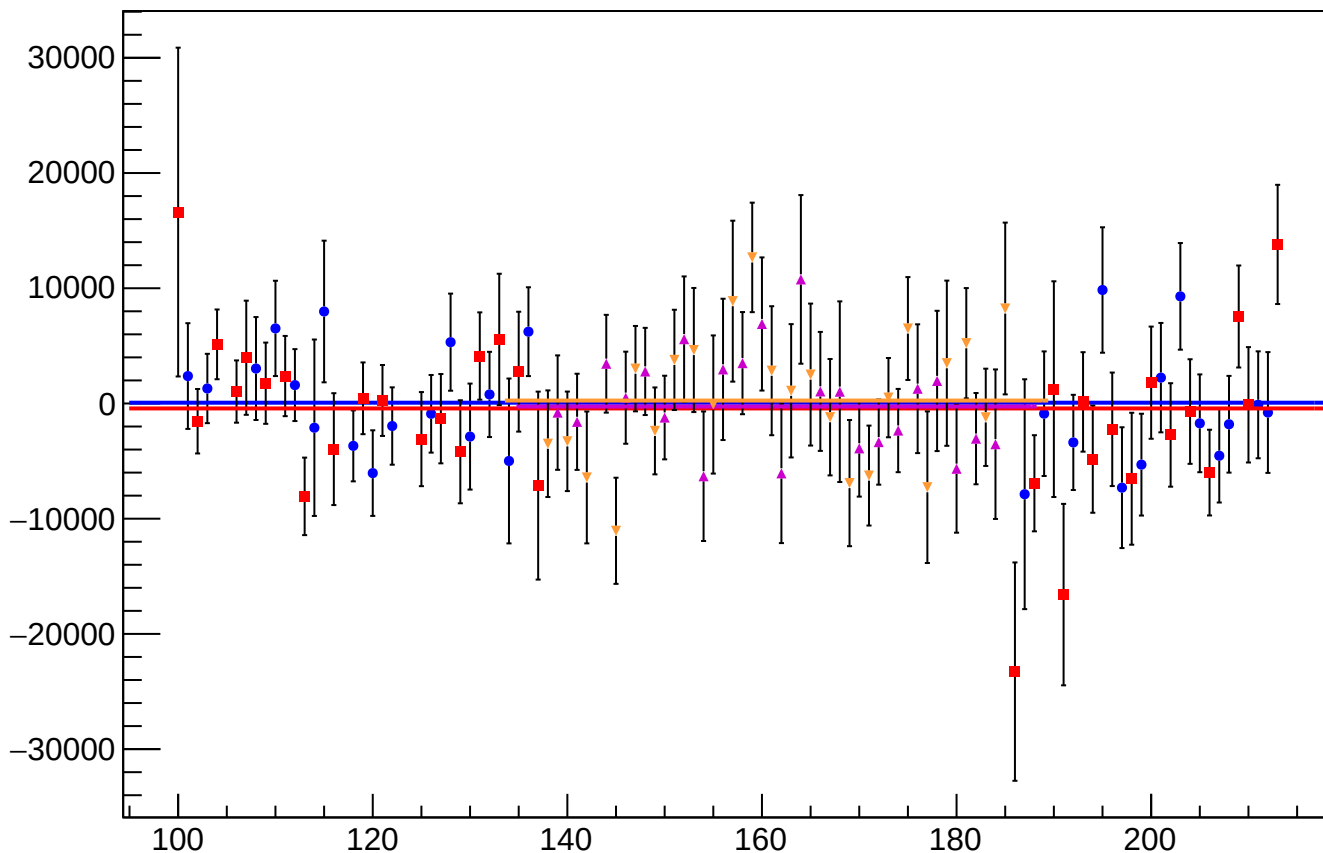
Left In: 1212.447 $\pm$ 0.201 χ^2 /NDF: 260320.0/22

+ sign 1046.473 $\pm$ 0.125 χ^2 /NDF: 2126778.5/52

All: 1046.789 $\pm$ 0.088 χ^2 /NDF: 4072798.0/10

- sign 1047.096 $\pm$ 0.123 χ^2 /NDF: 1946007.0/55

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 66.402 ± 790.071 χ^2/NDF : 28.9/28

Left Out: 252.803 ± 995.149 χ^2/NDF : 29.7/23

Right Out: -431.185 ± 733.315 χ^2/NDF : 45.9/32

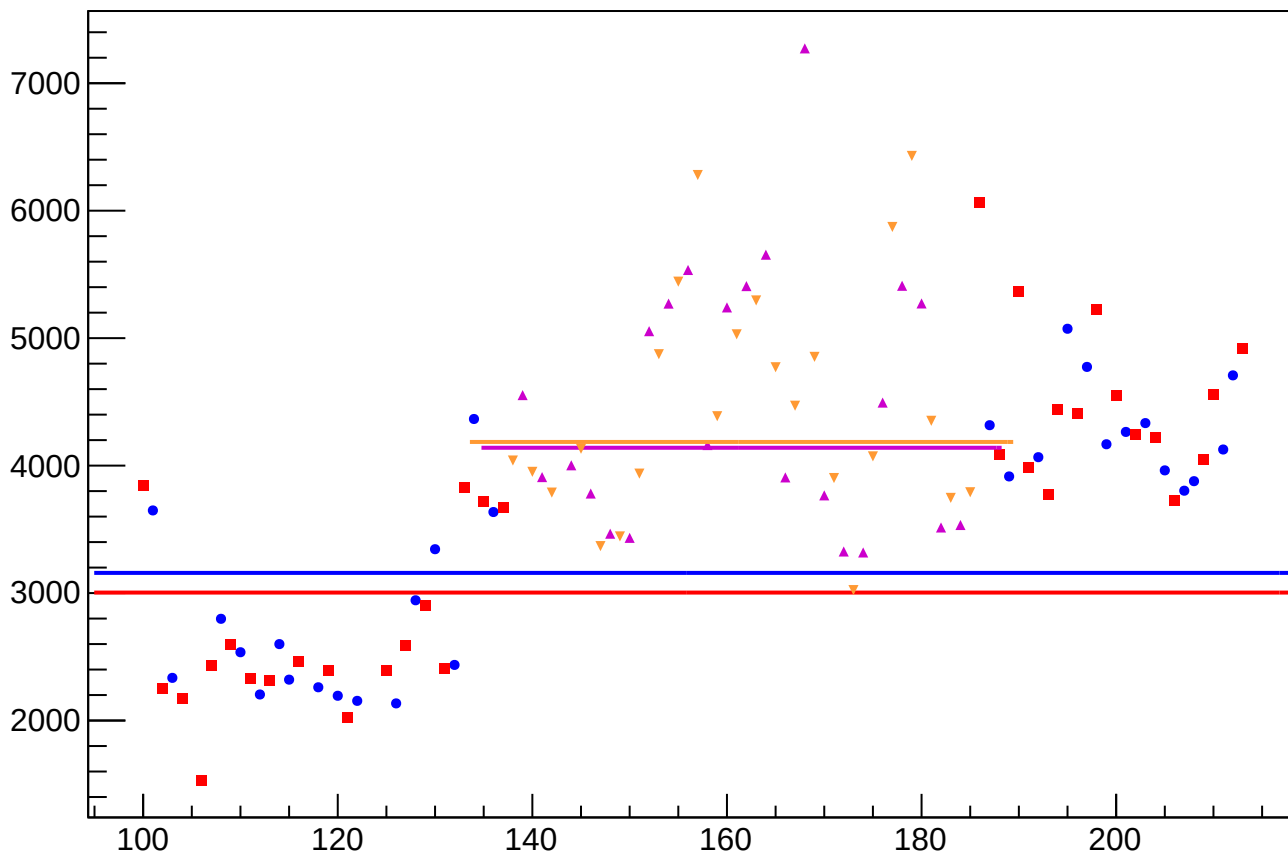
Left In: -266.235 ± 990.083 χ^2/NDF : 13.4/22

+ sign 138.468 ± 618.772 χ^2/NDF : 58.6/52

All: -129.614 ± 426.730 χ^2/NDF : 118.3/108

- sign -372.752 ± 589.283 χ^2/NDF : 59.3/55

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3158.347 ± 0.559 $\chi^2/\text{NDF}: 2691270.4/28$

Left Out: 4185.656 ± 0.704 $\chi^2/\text{NDF}: 1271248.5/23$

Right Out: 3003.978 ± 0.519 $\chi^2/\text{NDF}: 4000098.4/32$

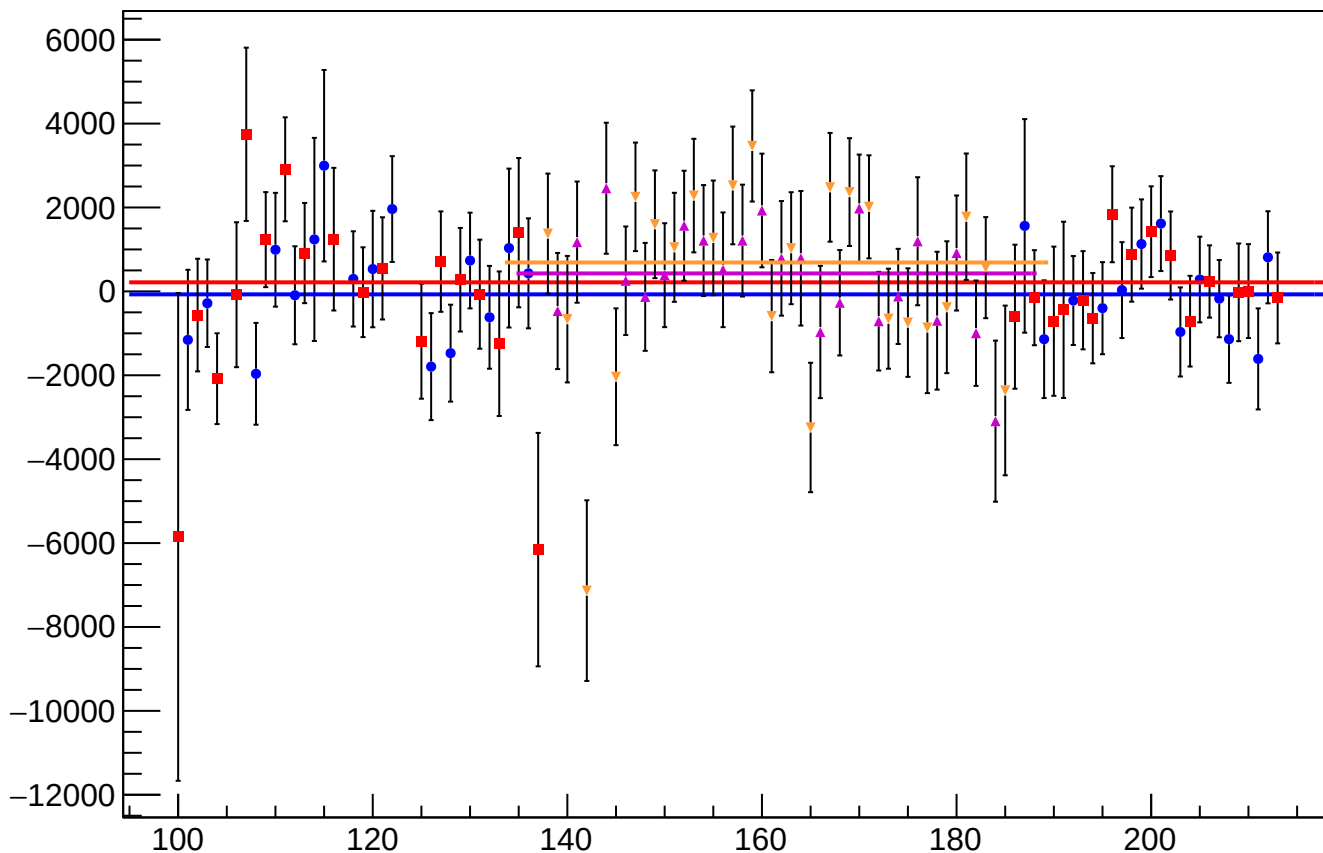
Left In: 4140.051 ± 0.700 $\chi^2/\text{NDF}: 1449924.0/22$

+ sign 3555.526 ± 0.438 $\chi^2/\text{NDF}: 5269846.8/52$

All: 3477.339 ± 0.302 $\chi^2/\text{NDF}: 12481223.4/100$

- sign 3406.428 ± 0.417 $\chi^2/\text{NDF}: 7150483.0/55$

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -71.133 ± 226.721 χ^2/NDF : 21.8/28

Left Out: 689.089 ± 284.388 χ^2/NDF : 45.7/23

Right Out: 215.506 ± 221.082 χ^2/NDF : 29.3/32

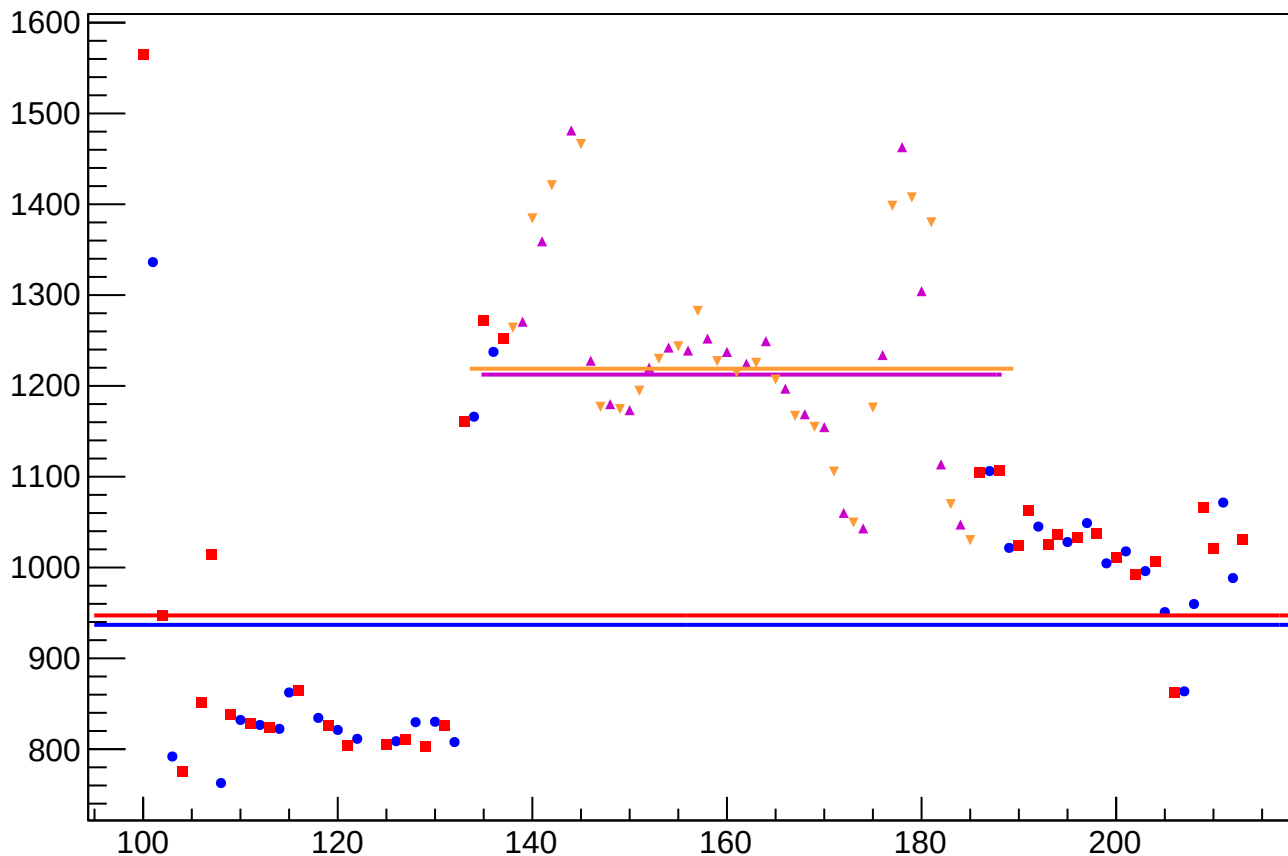
Left In: 428.050 ± 284.383 χ^2/NDF : 14.6/22

+ sign 224.282 ± 177.279 χ^2/NDF : 71.9/52

All: 260.481 ± 124.377 χ^2/NDF : 116.2/108

- sign 295.572 ± 174.543 χ^2/NDF : 44.2/55

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 936.866 $\pm$ 0.160 χ^2 /NDF: 630005.9/28

Left Out: 1218.929 $\pm$ 0.201 χ^2 /NDF: 293885.7/23

Right Out: 947.252 $\pm$ 0.156 χ^2 /NDF: 601270.3/32

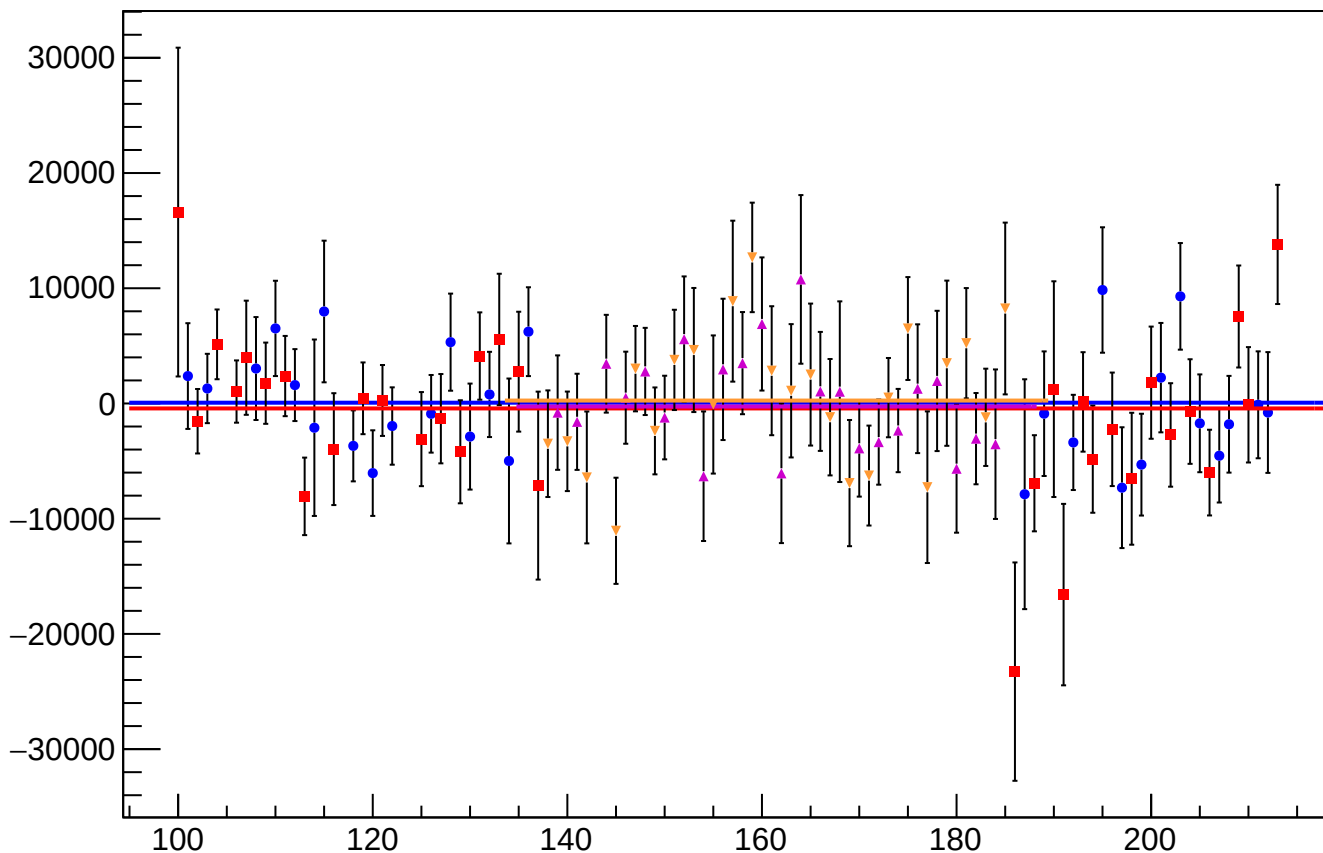
Left In: 1212.448 $\pm$ 0.201 χ^2 /NDF: 260330.4/22

+ sign 1046.473 $\pm$ 0.125 χ^2 /NDF: 2126795.4/52

All: 1046.789 $\pm$ 0.088 χ^2 /NDF: 4072832.3/10

- sign 1047.096 $\pm$ 0.123 χ^2 /NDF: 1946024.4/55

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 66.401 $\pm$ 790.070 χ^2 /NDF: 28.9/28

Left Out: 252.805 $\pm$ 995.151 χ^2 /NDF:29.7/23

Right Out: -431.182 $\pm$ 733.314 χ^2 /NDF: 45.9/32

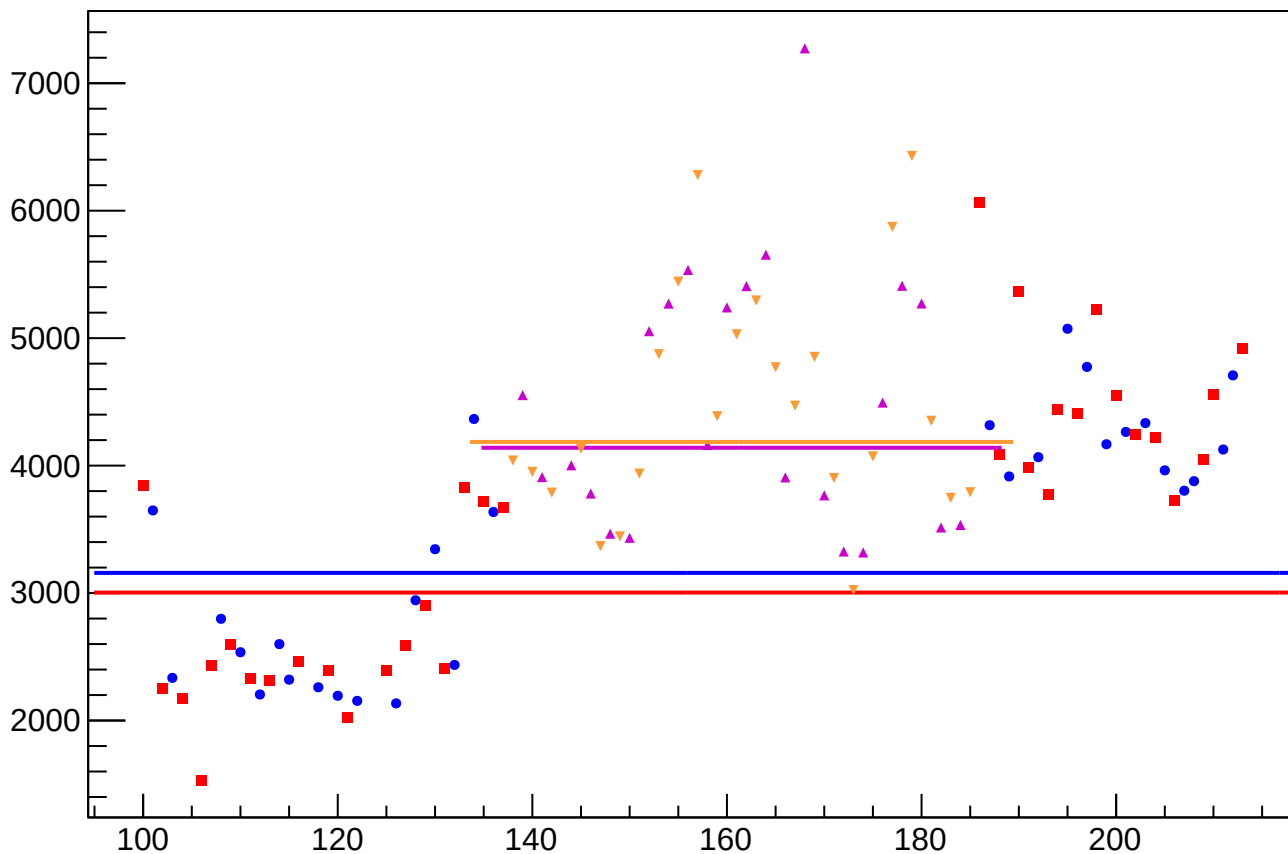
Left In: -266.236 $\pm$ 990.085 χ^2 /NDF:13.4/22

+ sign 138.468 $\pm$ 618.772 χ^2 /NDF: 58.6/52

All: -129.613 $\pm$ 426.730 χ^2 /NDF: 118.3/108

- sign -372.750 $\pm$ 589.283 χ^2 /NDF: 59.3/55

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3158.341 $\pm$ 0.559 χ^2 /NDF: 2691321.7/28

Left Out: 4185.664 $\pm$ 0.704 χ^2 /NDF:1271247.4/23

Right Out: 3003.972 $\pm$ 0.519 χ^2 /NDF: 4000143.3/32

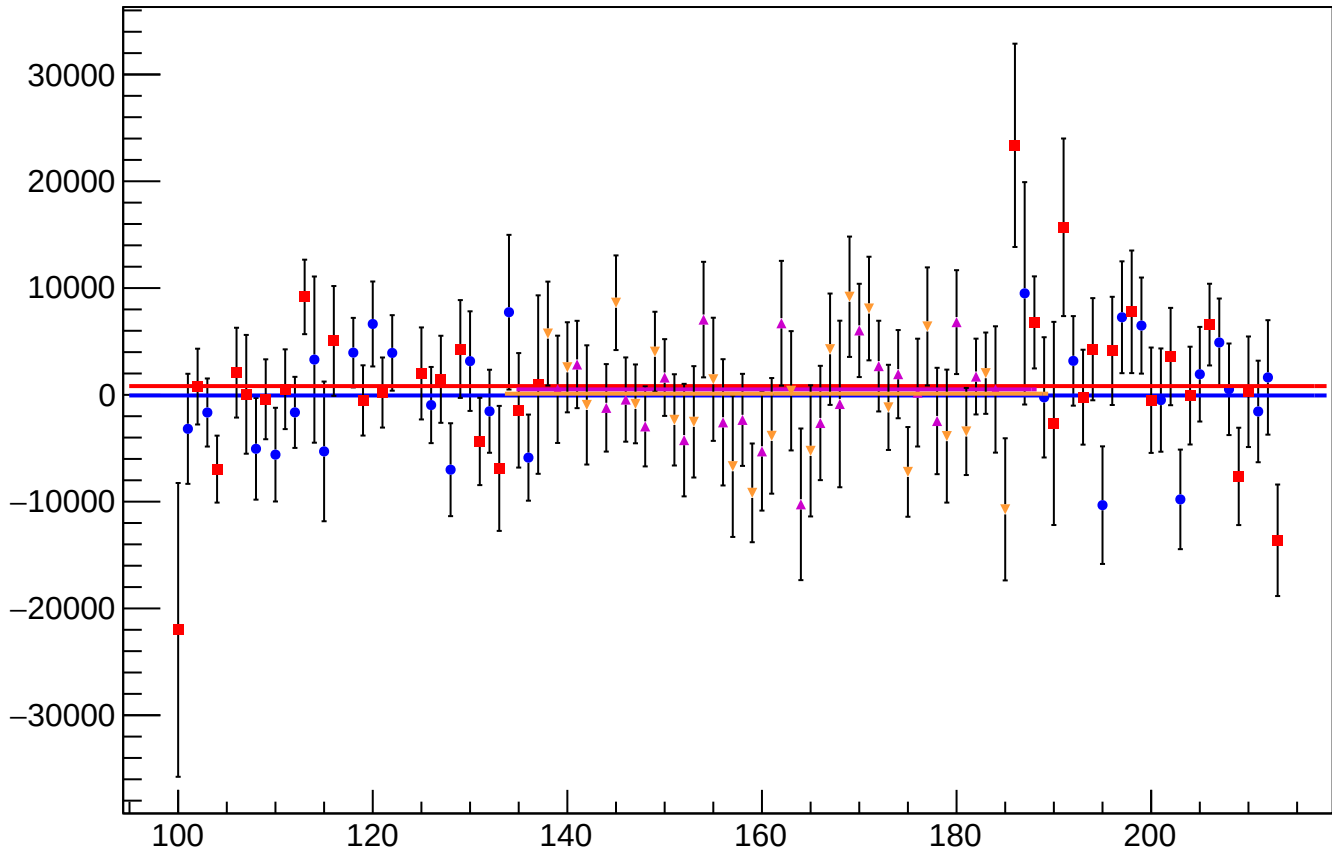
Left In: 4140.059 $\pm$ 0.700 χ^2 /NDF:1449925.1/22

+ sign 3555.524 $\pm$ 0.438 χ^2 /NDF: 5269929.7/52

All: 3477.337 $\pm$ 0.302 χ^2 /NDF: 12481389.6/1

- sign 3406.425 $\pm$ 0.417 χ^2 /NDF: 7150565.5/55

asym_usl_atl2_dd_mean vs Slug



Right In: -57.153 ± 824.035 χ^2/NDF : 31.7/28

Left Out: 108.966 ± 975.598 χ^2/NDF : 28.0/23

Right Out: 820.883 ± 789.320 χ^2/NDF : 47.1/32

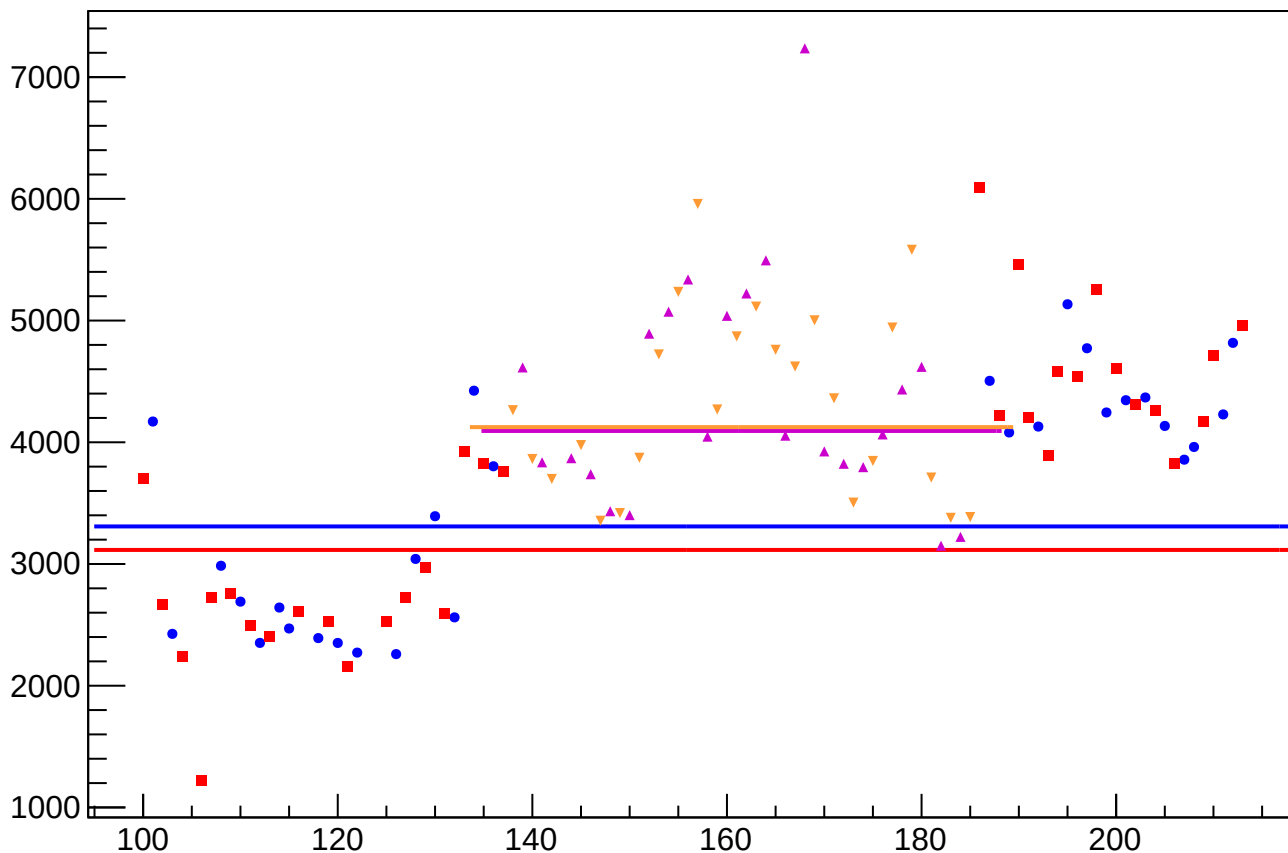
Left In: 509.024 ± 974.173 χ^2/NDF : 13.5/22

+ sign 12.014 ± 629.525 χ^2/NDF : 59.7/52

All: 363.608 ± 439.285 χ^2/NDF : 121.0/108

- sign 697.288 ± 613.278 χ^2/NDF : 60.7/55

asym_usl_atl2_dd_rms vs Slug



Right In: 3308.648 $\pm$ 0.583 χ^2 /NDF: 2433142.0/28

Left Out: 4124.485 $\pm$ 0.690 χ^2 /NDF: 969929.3/23

Right Out: 3115.523 $\pm$ 0.541 χ^2 /NDF: 4142458.7/32

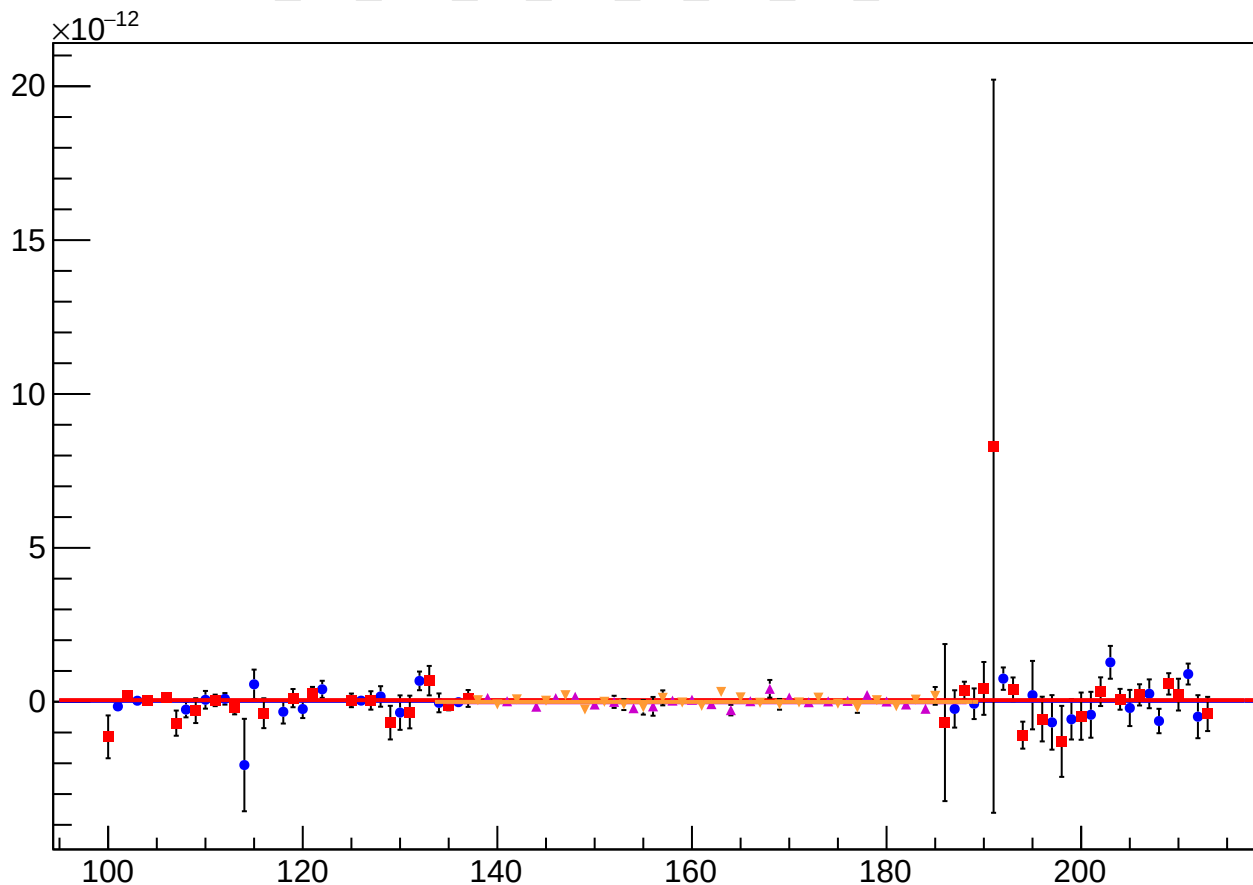
Left In: 4093.066 $\pm$ 0.689 χ^2 /NDF: 1162851.8/22

+ sign 3648.341 $\pm$ 0.445 χ^2 /NDF: 4219332.4/52

All: 3565.027 $\pm$ 0.308 χ^2 /NDF: 10836498.3/100

- sign 3488.837 $\pm$ 0.426 χ^2 /NDF: 6550101.2/55

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/32

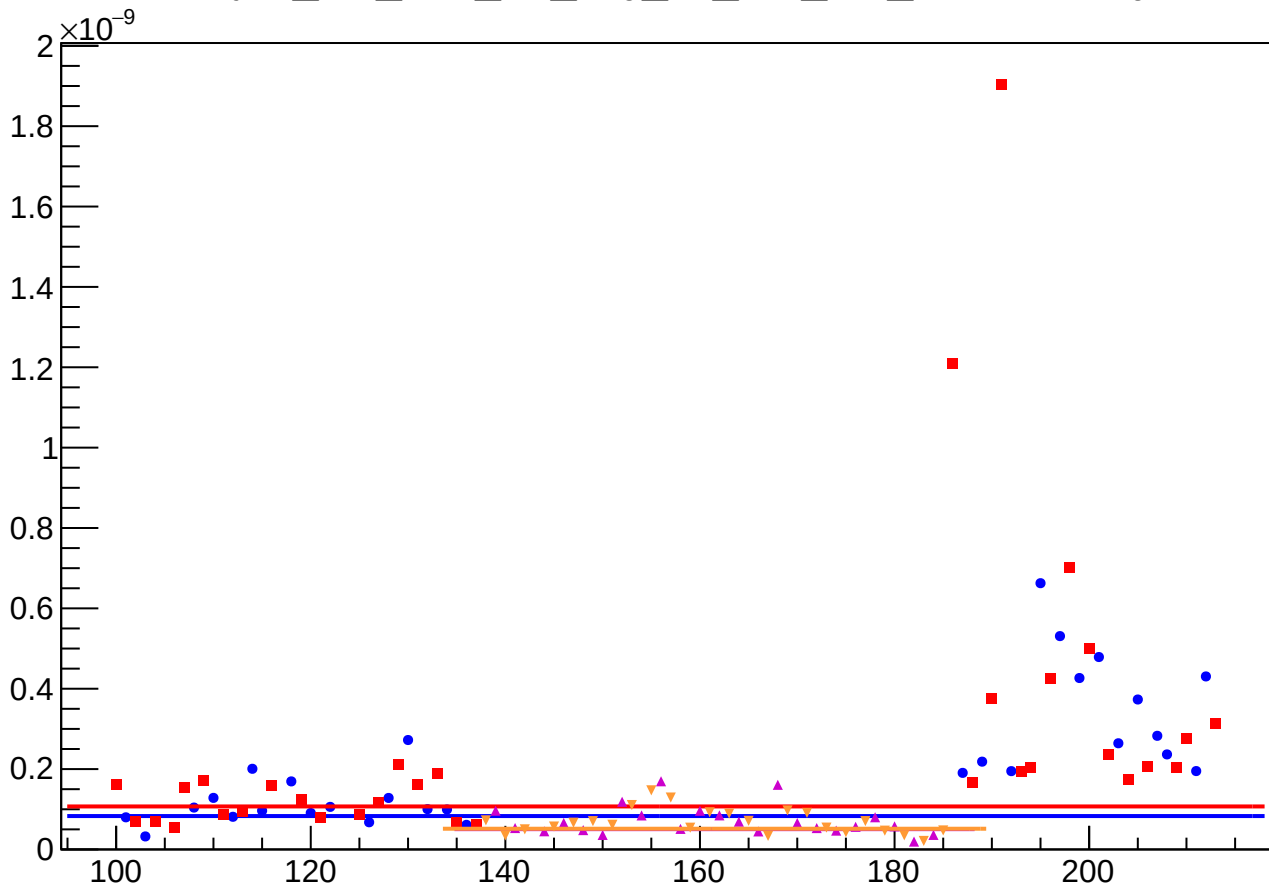
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.9/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 122.2/108

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.2/55

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6210832.3/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 2269565.3/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 4472546.1/32

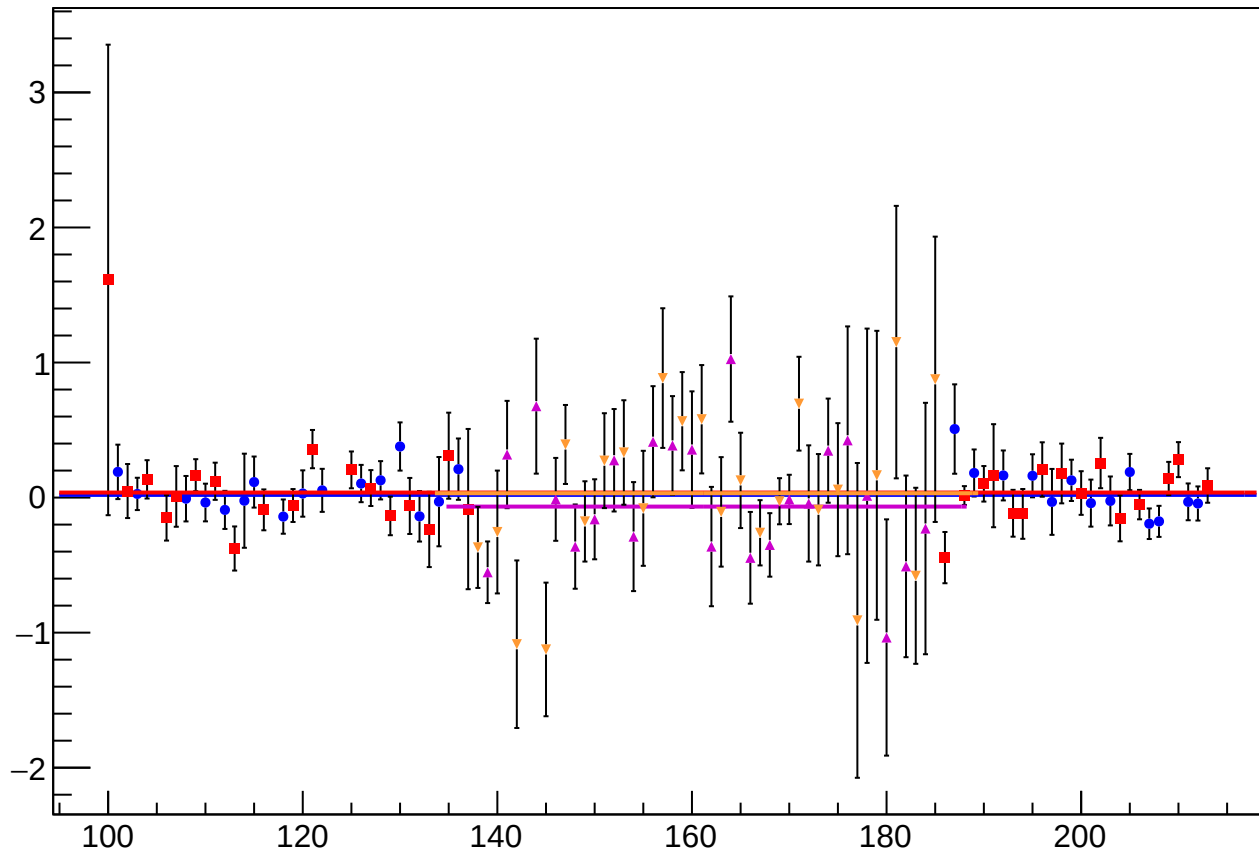
Left In: 0.000 ± 0.000 χ^2/NDF : 2433650.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9356650.5/52

All: 0.000 ± 0.000 χ^2/NDF : 18492144.3/108

- sign 0.000 ± 0.000 χ^2/NDF : 9129097.7/55

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.029 χ^2/NDF : 23.5/28

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.037 ± 0.026 χ^2/NDF : 39.3/32

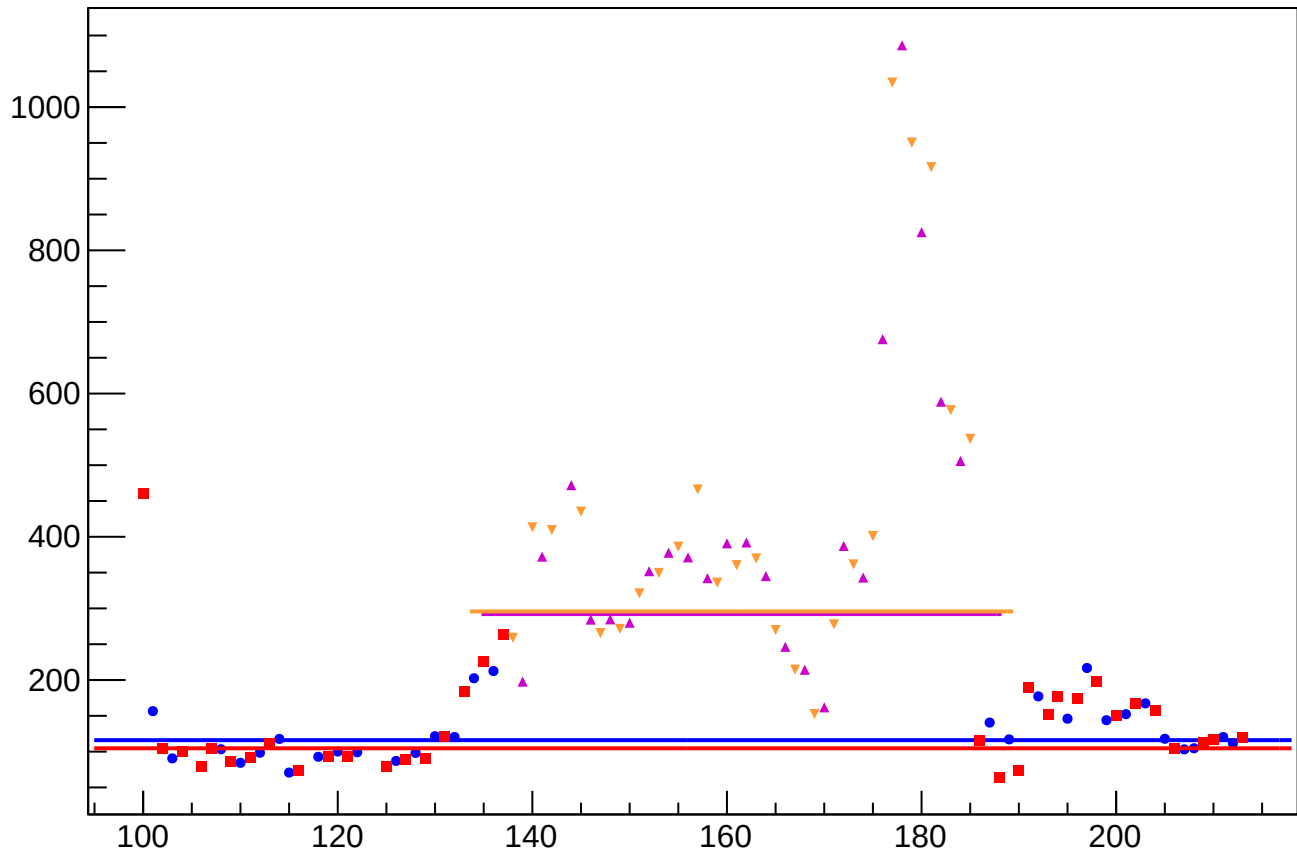
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.022 ± 0.027 χ^2/NDF : 53.2/52

All: 0.024 ± 0.018 χ^2/NDF : 120.0/108

- sign 0.026 ± 0.025 χ^2/NDF : 66.7/55

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.027 $\pm$ 0.021 χ^2 /NDF: 2165239.0/28

Left Out: 295.798 $\pm$ 0.054 χ^2 /NDF:5501077.8/23

Right Out: 104.640 $\pm$ 0.019 χ^2 /NDF: 3628791.2/32

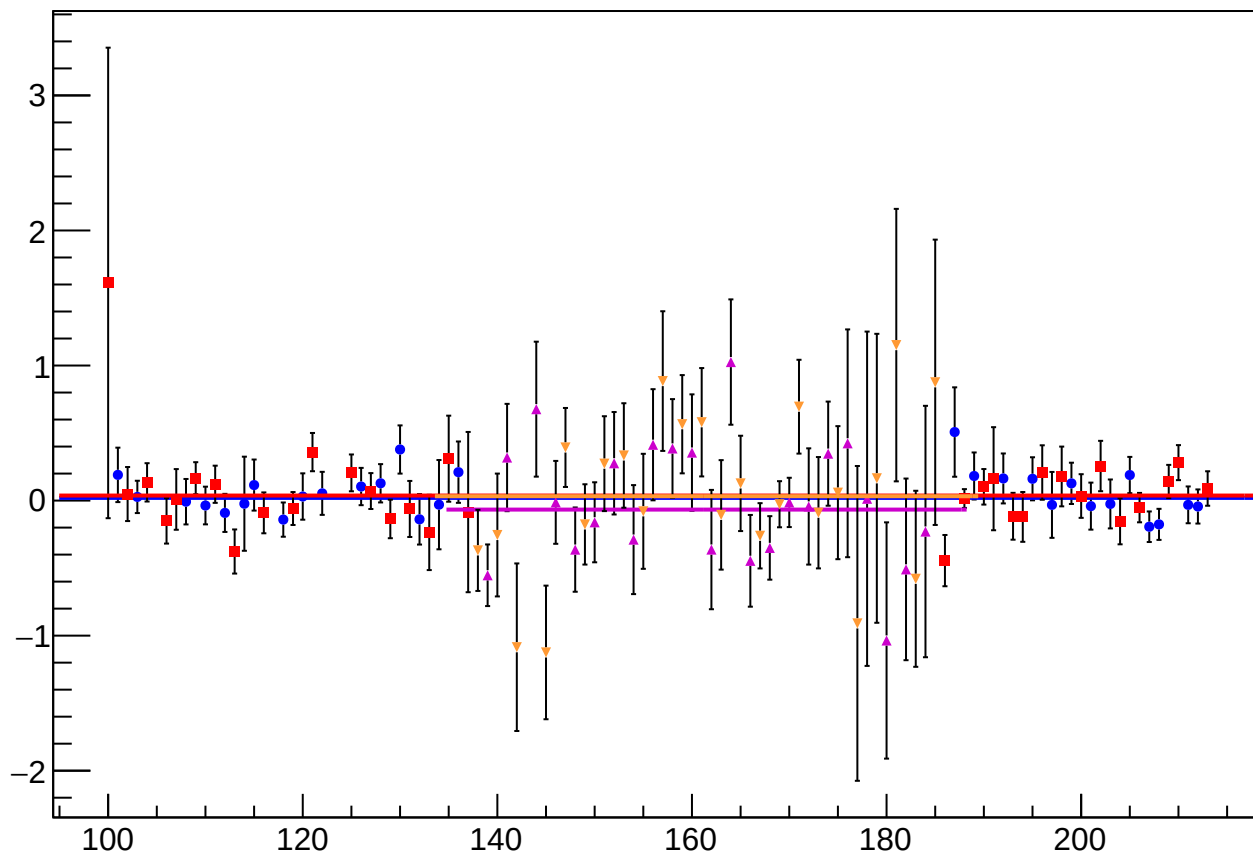
Left In: 292.100 $\pm$ 0.053 χ^2 /NDF:5055737.7/22

+ sign 139.486 $\pm$ 0.019 χ^2 /NDF: 17395103.5/52

All: 131.728 $\pm$ 0.013 χ^2 /NDF: 37566199.9/10

- sign 125.373 $\pm$ 0.018 χ^2 /NDF: 19880607.2/55

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.029 χ^2/NDF : 23.5/28

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.037 ± 0.026 χ^2/NDF : 39.3/32

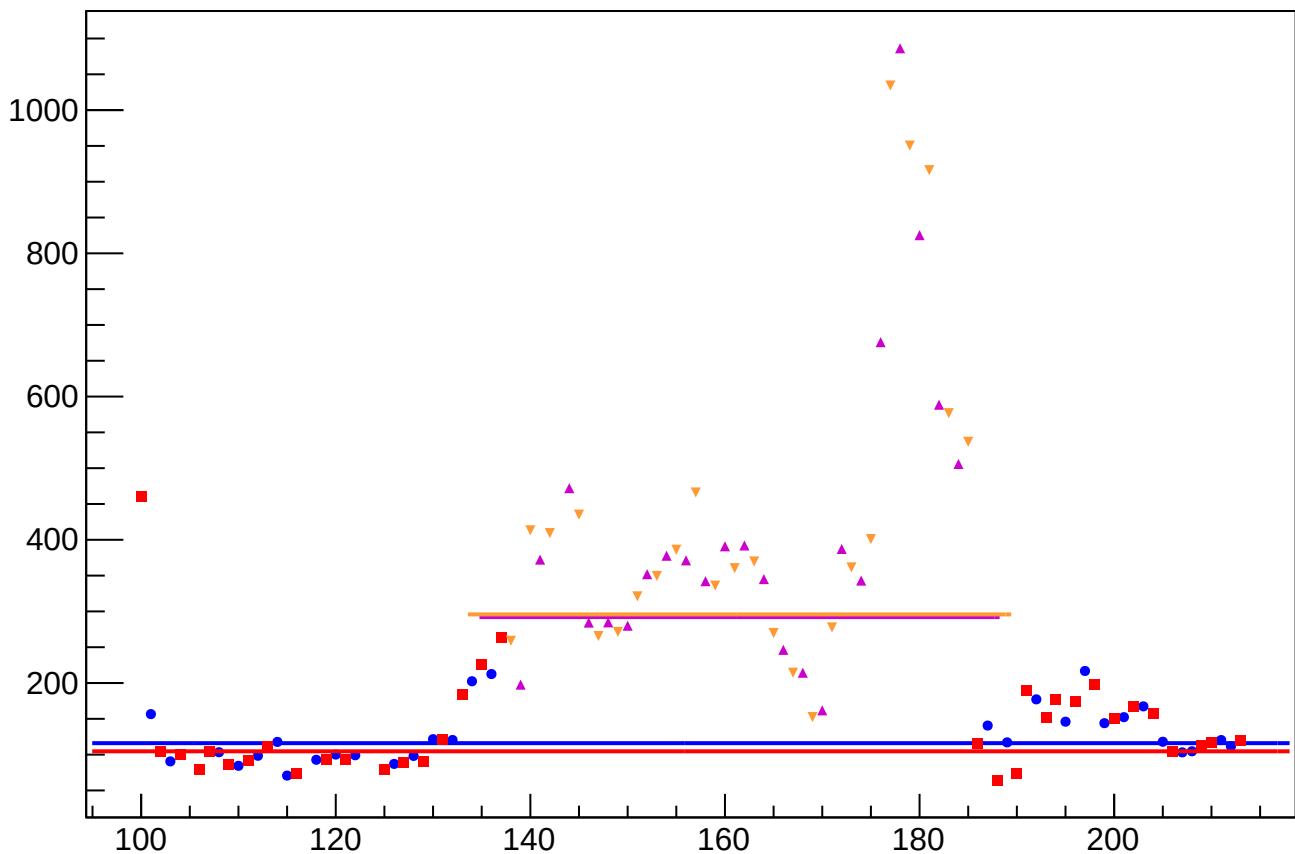
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.022 ± 0.027 χ^2/NDF : 53.2/52

All: 0.024 ± 0.018 χ^2/NDF : 120.0/108

- sign 0.026 ± 0.025 χ^2/NDF : 66.7/55

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.027 $\pm$ 0.021 χ^2 /NDF: 2165239.0/28

Left Out: 295.798 $\pm$ 0.054 χ^2 /NDF: 5501077.8/23

Right Out: 104.640 $\pm$ 0.019 χ^2 /NDF: 3628791.2/32

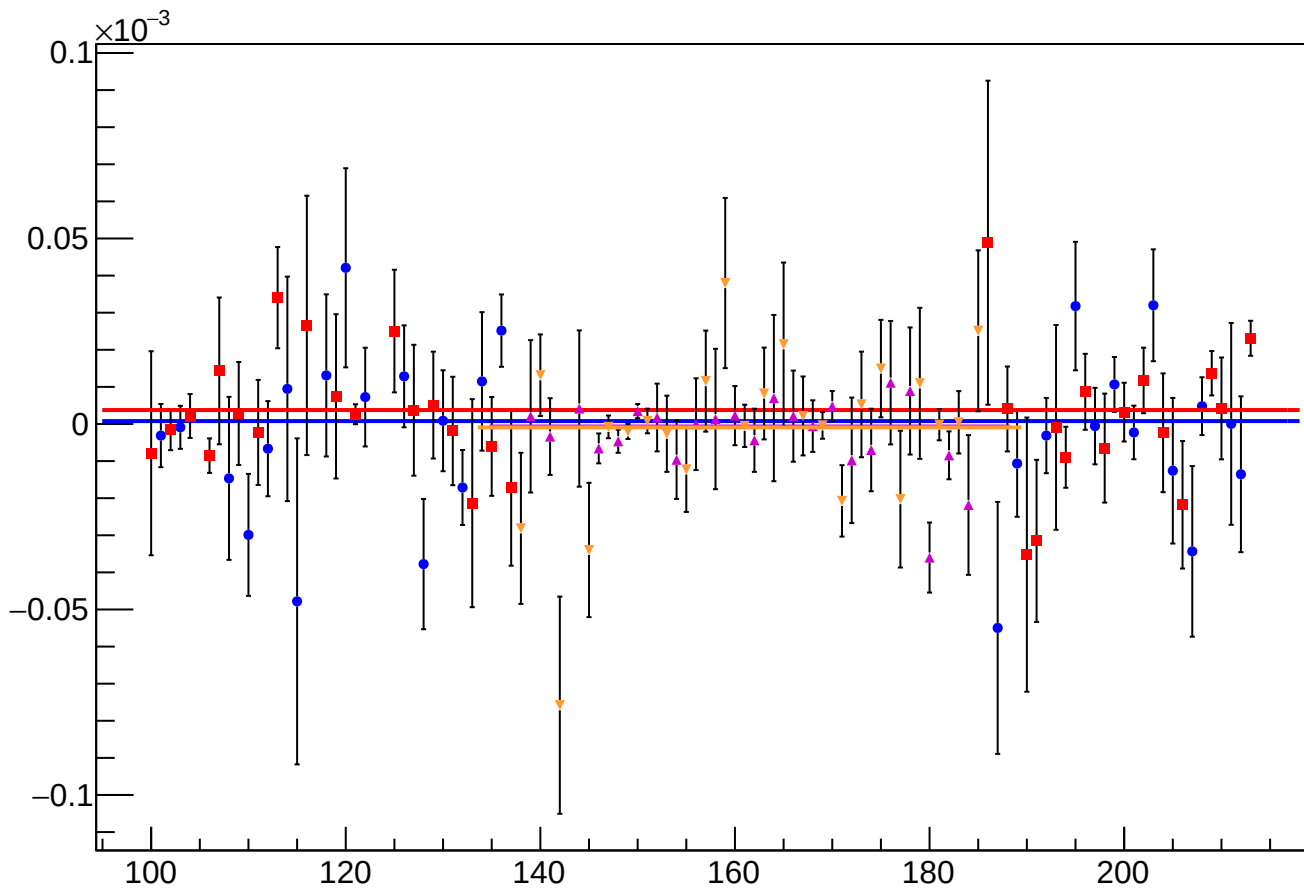
Left In: 292.100 $\pm$ 0.053 χ^2 /NDF: 5055737.7/22

+ sign 139.486 $\pm$ 0.019 χ^2 /NDF: 17395103.5/52

All: 131.728 $\pm$ 0.013 χ^2 /NDF: 37566199.9/10

- sign 125.373 $\pm$ 0.018 χ^2 /NDF: 19880607.2/55

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 40.6/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 49.1/32

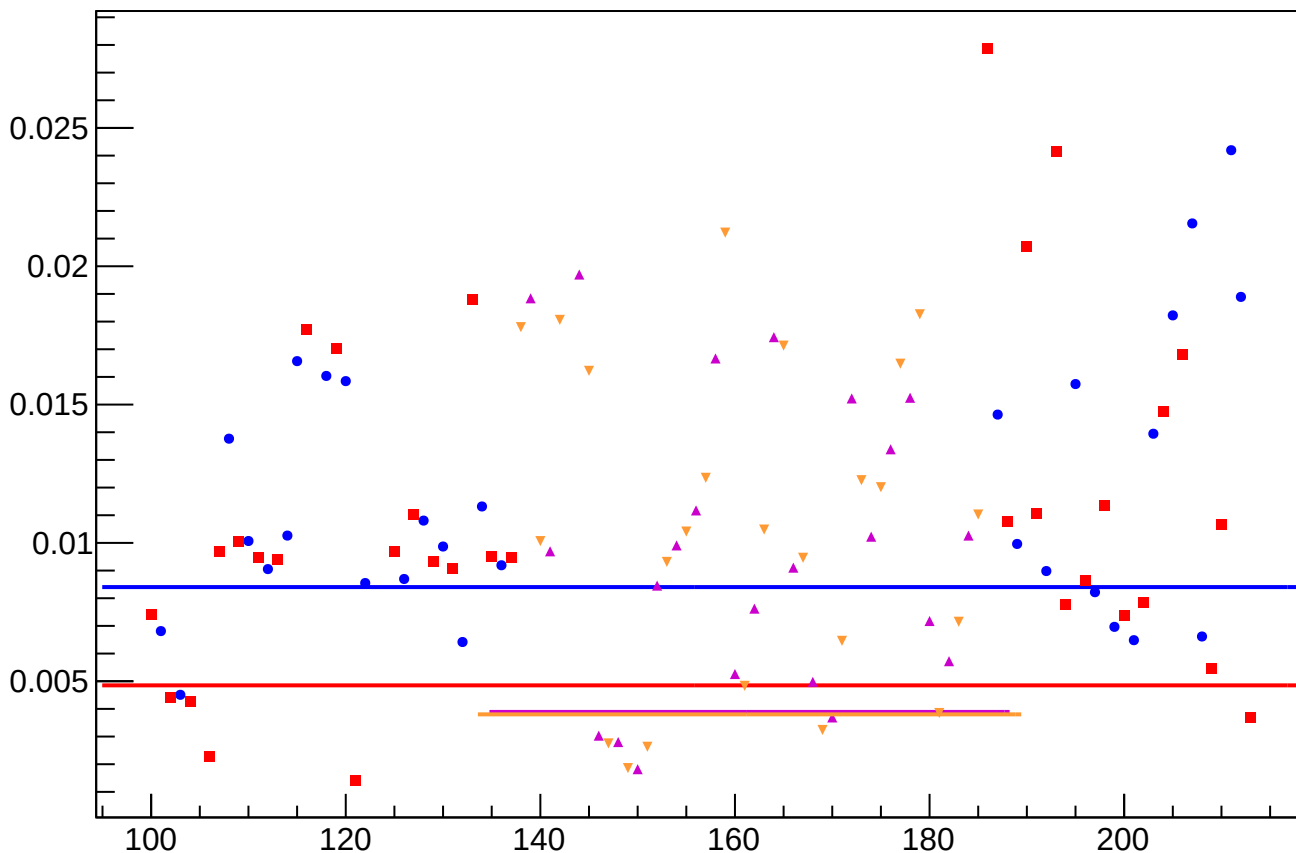
Left In: -0.000 ± 0.000 χ^2/NDF : 29.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.2/52

All: 0.000 ± 0.000 χ^2/NDF : 155.7/108

- sign 0.000 ± 0.000 χ^2/NDF : 84.1/55

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 5169786.3/28

Left Out: 0.004+/-0.000 χ^2/NDF :14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF : 13482453.5/32

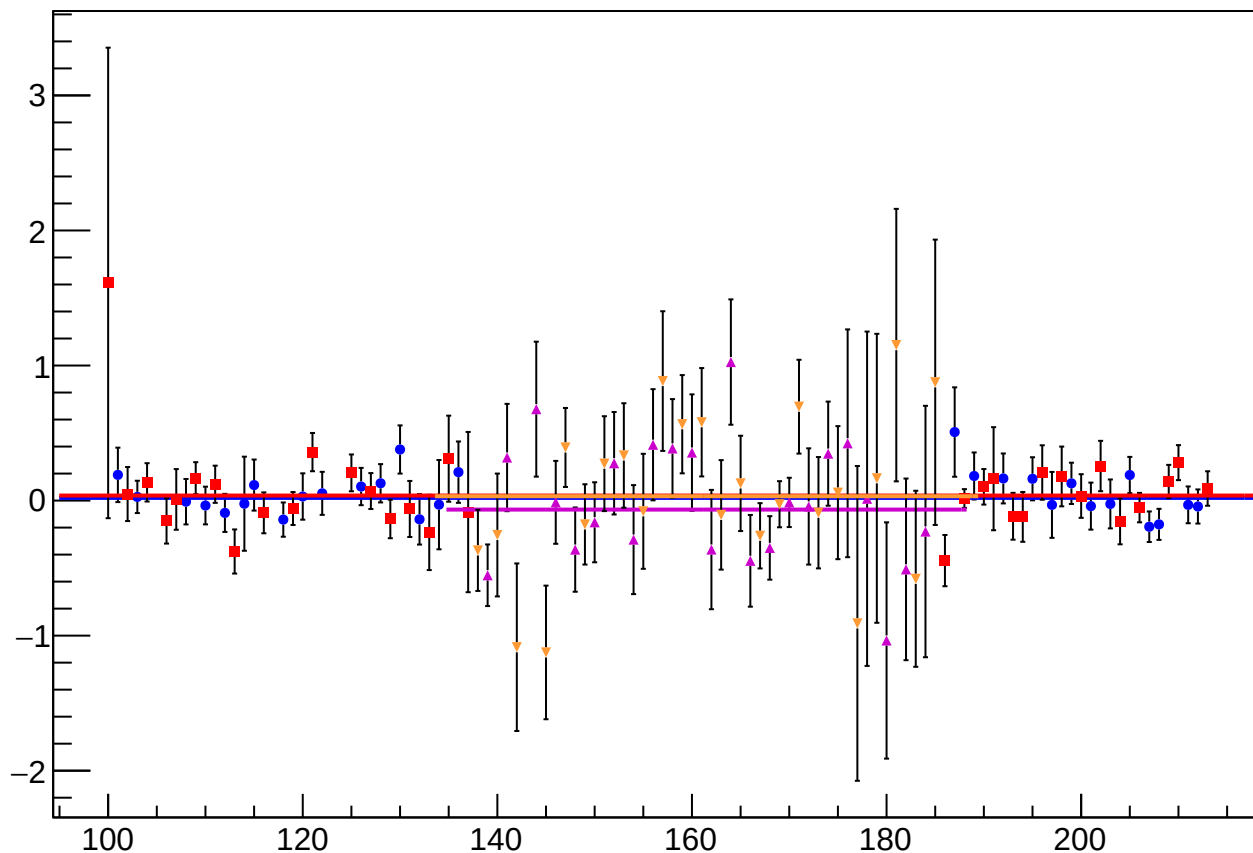
Left In: 0.004+/-0.000 χ^2/NDF :13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF : 26332583.0/52

All: 0.005+/-0.000 χ^2/NDF : 54110634.4/108

- sign 0.004+/-0.000 χ^2/NDF : 27497993.4/55

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.029 χ^2/NDF : 23.5/28

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.037 ± 0.026 χ^2/NDF : 39.3/32

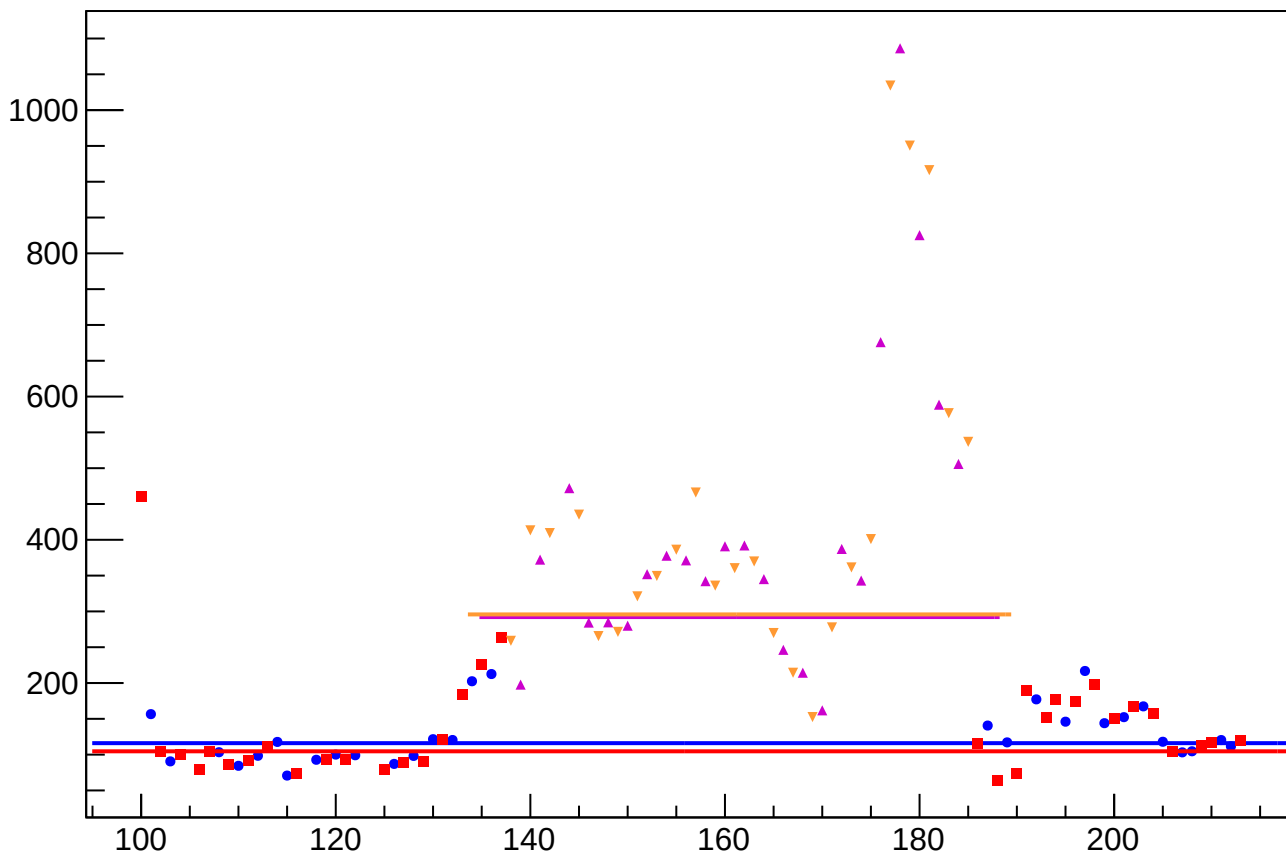
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.022 ± 0.027 χ^2/NDF : 53.2/52

All: 0.024 ± 0.018 χ^2/NDF : 120.0/108

- sign 0.026 ± 0.025 χ^2/NDF : 66.7/55

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.027 $\pm$ 0.021 χ^2 /NDF: 2165204.2/28

Left Out: 295.800 $\pm$ 0.054 χ^2 /NDF: 5501139.3/23

Right Out: 104.638 $\pm$ 0.019 χ^2 /NDF: 3628971.4/32

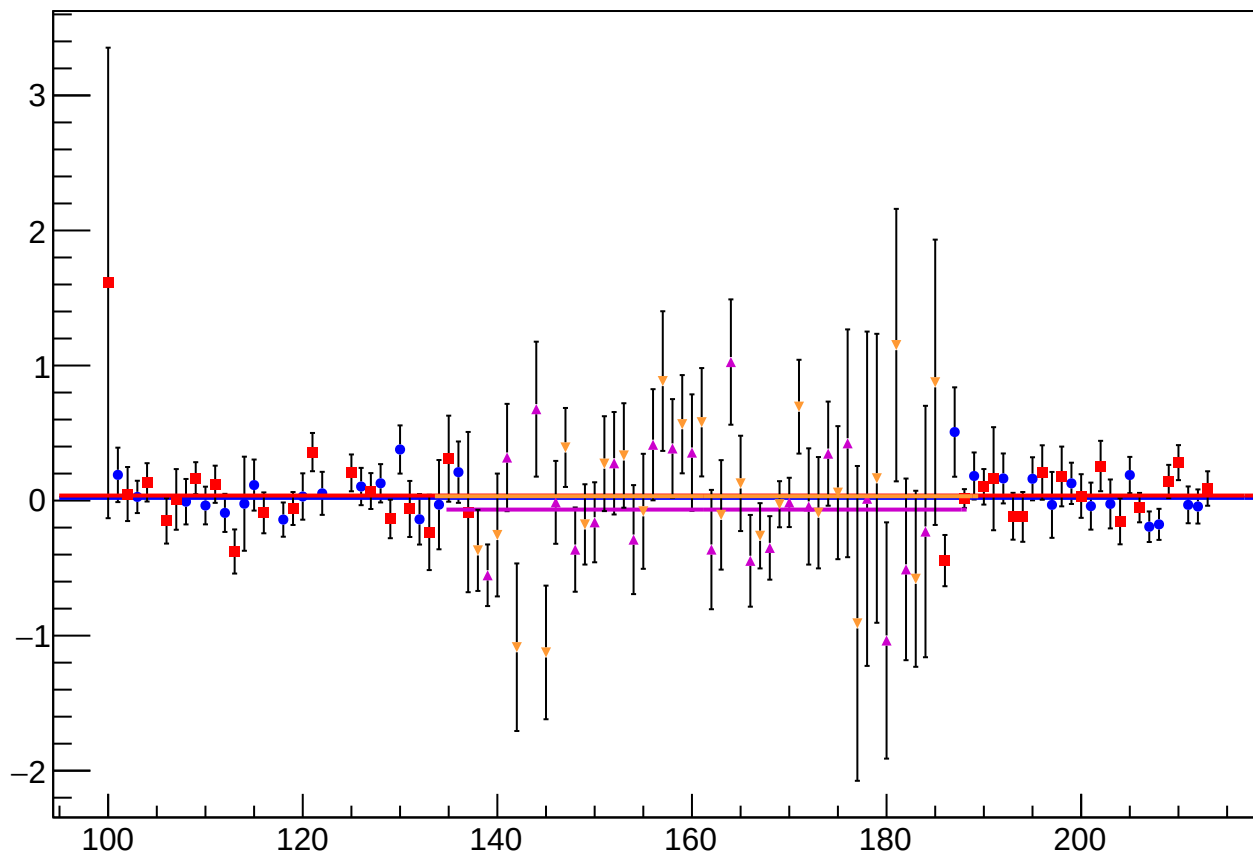
Left In: 292.103 $\pm$ 0.053 χ^2 /NDF: 5055695.7/22

+ sign 139.486 $\pm$ 0.019 χ^2 /NDF: 17395147.0/52

All: 131.727 $\pm$ 0.013 χ^2 /NDF: 37566824.4/10

- sign 125.371 $\pm$ 0.018 χ^2 /NDF: 19881104.3/55

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.029 χ^2/NDF : 23.5/28

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.037 ± 0.026 χ^2/NDF : 39.3/32

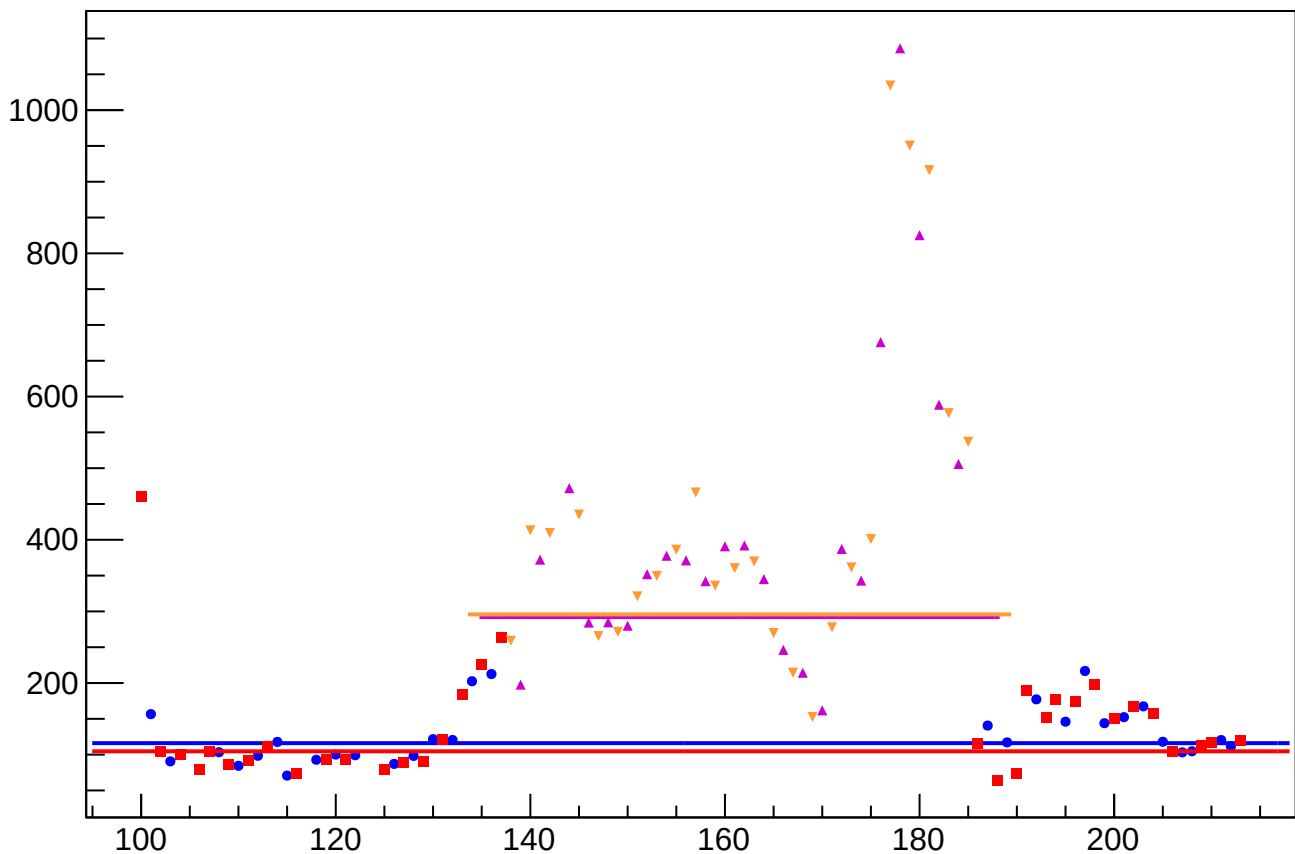
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.022 ± 0.027 χ^2/NDF : 53.2/52

All: 0.024 ± 0.018 χ^2/NDF : 120.0/108

- sign 0.026 ± 0.025 χ^2/NDF : 66.7/55

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.027+/-0.021 χ^2/NDF : 2165204.2/28

Left Out: 295.800+/-0.054 χ^2/NDF : 5501139.3/23

Right Out: 104.638+/-0.019 χ^2/NDF : 3628971.4/32

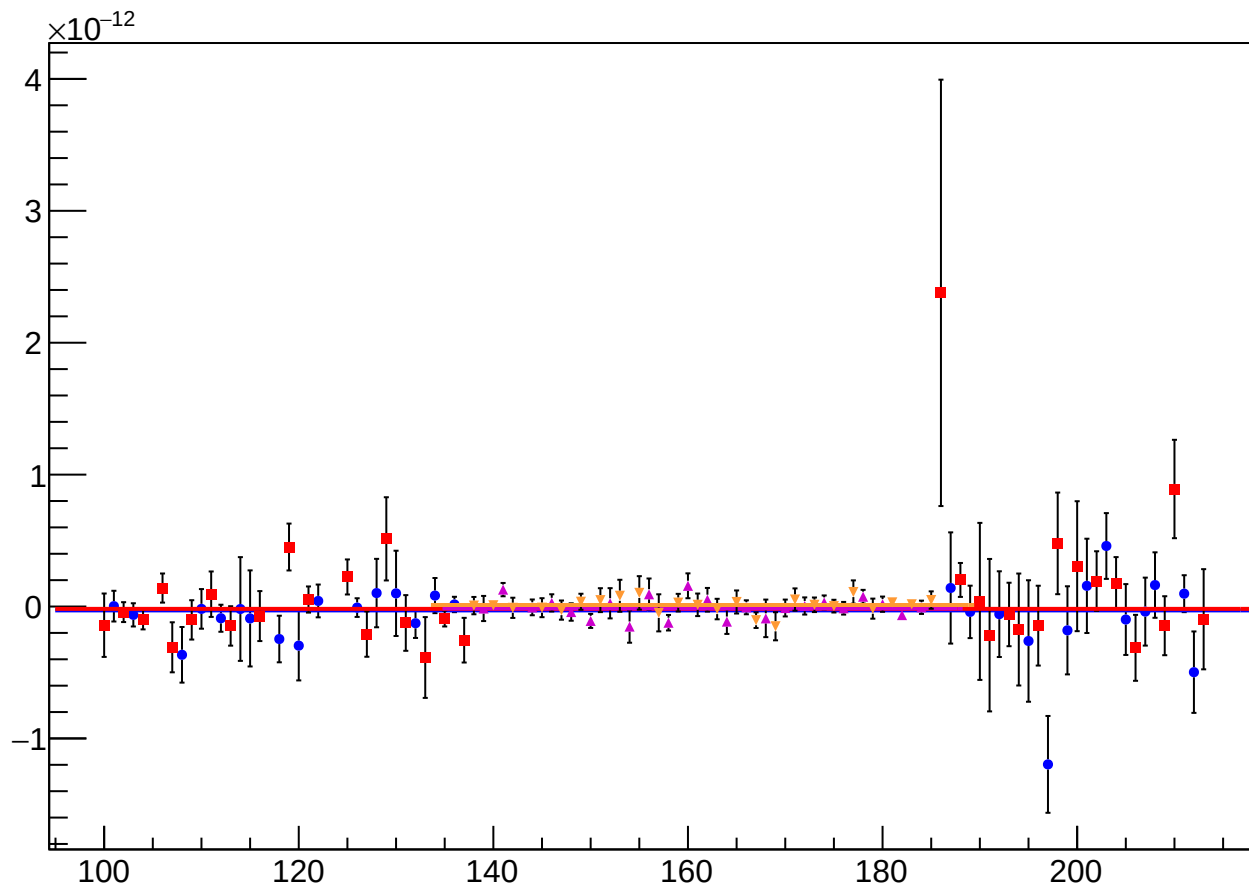
Left In: 292.103+/-0.053 χ^2/NDF : 5055695.7/22

+ sign 139.486+/-0.019 χ^2/NDF : 17395147.0/52

All: 131.727+/-0.013 χ^2/NDF : 37566824.4/10

- sign 125.371+/-0.018 χ^2/NDF : 19881104.3/55

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 10.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.7/32

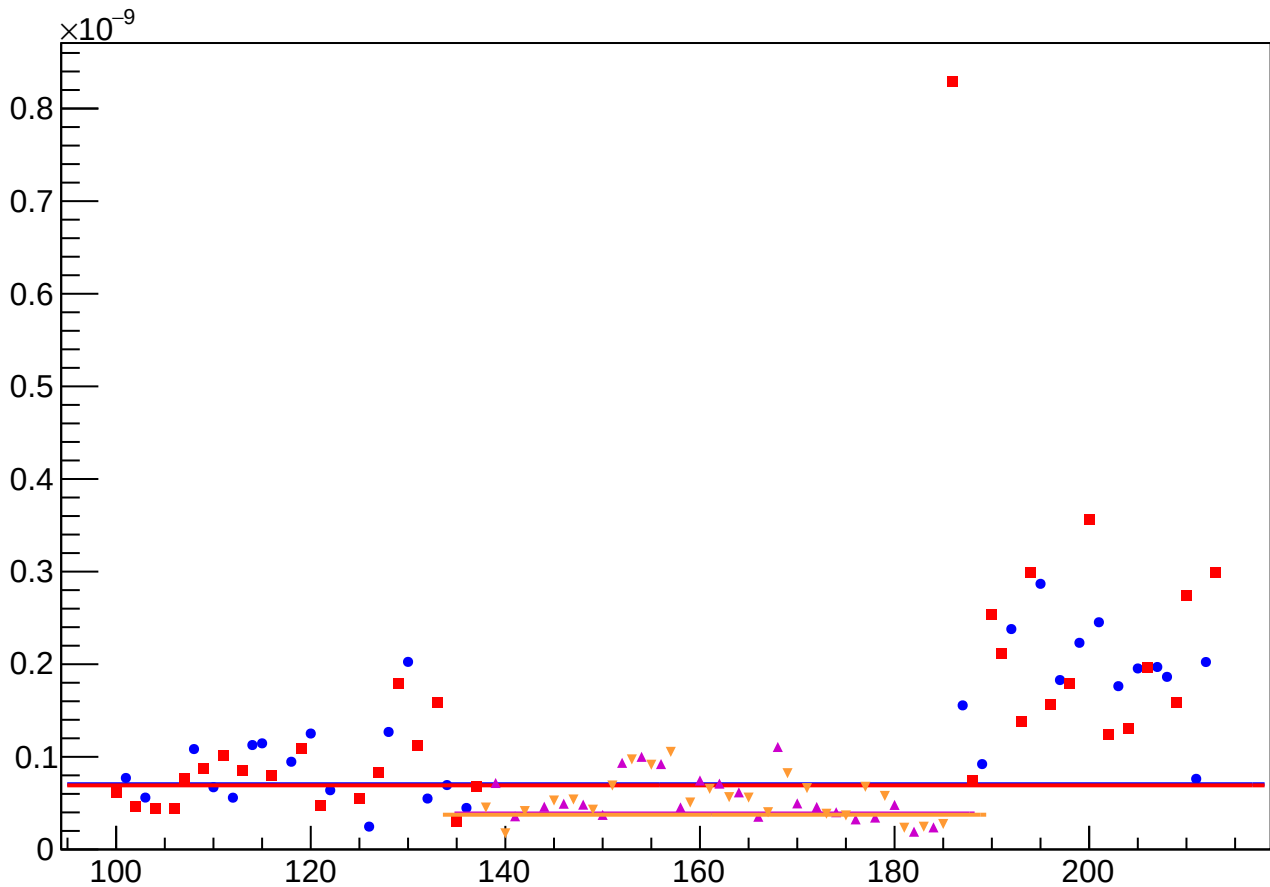
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 39.7/52

All: -0.000 ± 0.000 χ^2/NDF : 117.1/108

- sign -0.000 ± 0.000 χ^2/NDF : 75.6/55

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6283286.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4983727.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7222358.1/32

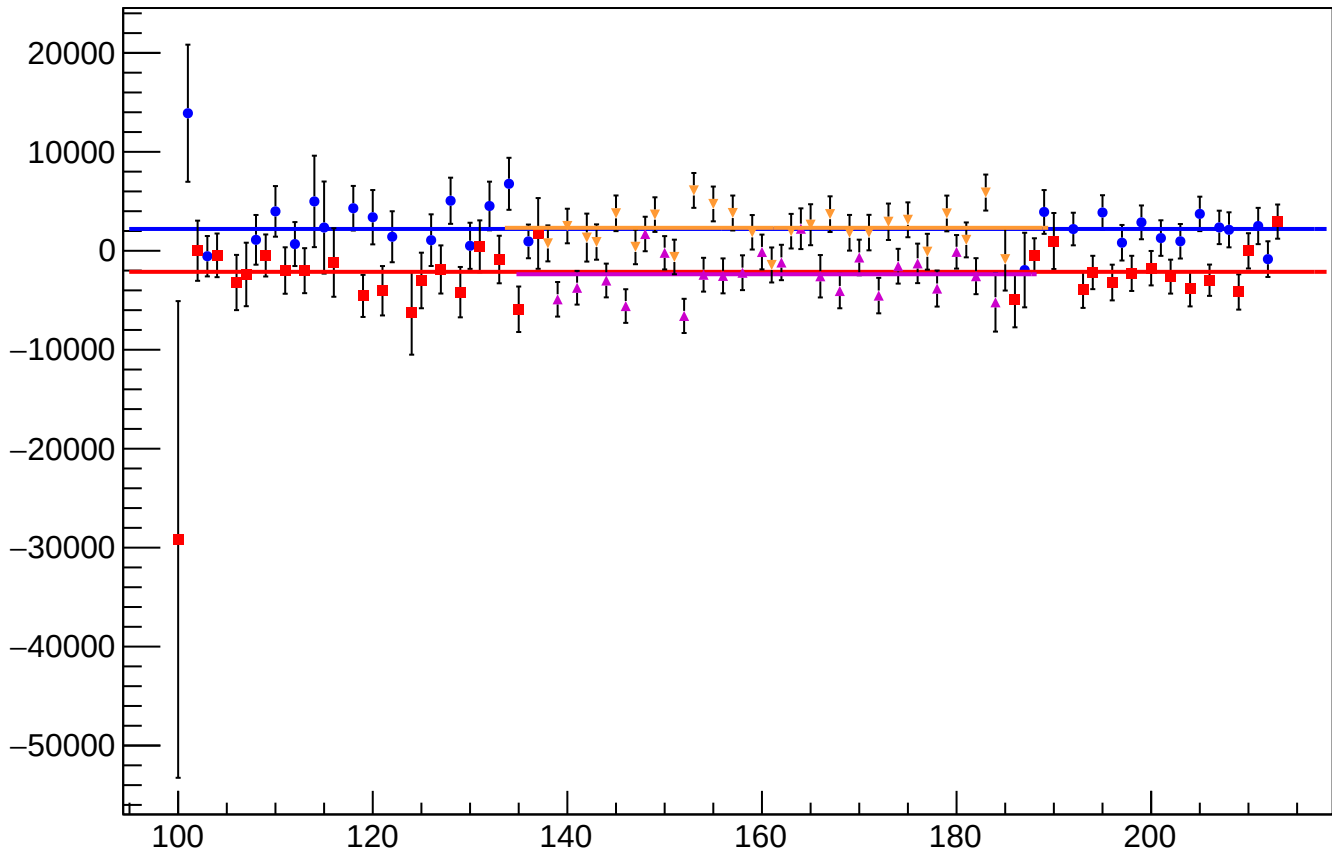
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4577795.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 13698528.0/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 27676039.9/108

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13963883.7/55

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2206.670 $\pm$ 395.792 χ^2 /NDF: 21.9/28

Left Out: 2321.067 $\pm$ 366.301 χ^2 /NDF: 27.5/24

Right Out: -2126.102 $\pm$ 380.501 χ^2 /NDF: 29.1/32

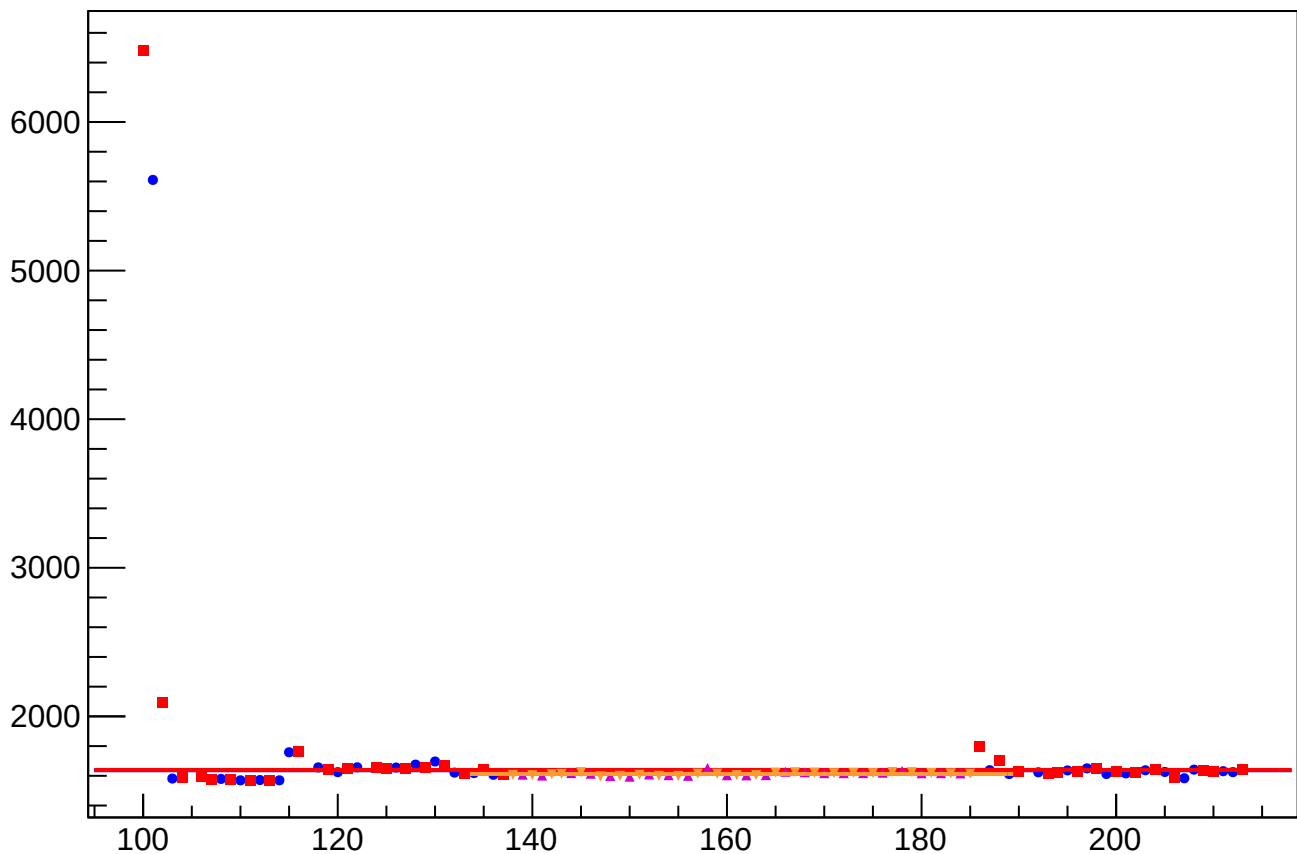
Left In: -2370.629 $\pm$ 376.798 χ^2 /NDF: 33.7/22

+ sign 2268.289 $\pm$ 268.836 χ^2 /NDF: 49.4/53

All: 0.103 $\pm$ 189.706 χ^2 /NDF: 254.3/109

- sign -2249.561 $\pm$ 267.736 χ^2 /NDF: 63.1/55

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.366+/-0.280 χ^2/NDF : 671550.4/28

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1639.612+/-0.269 χ^2/NDF : 148772.4/32

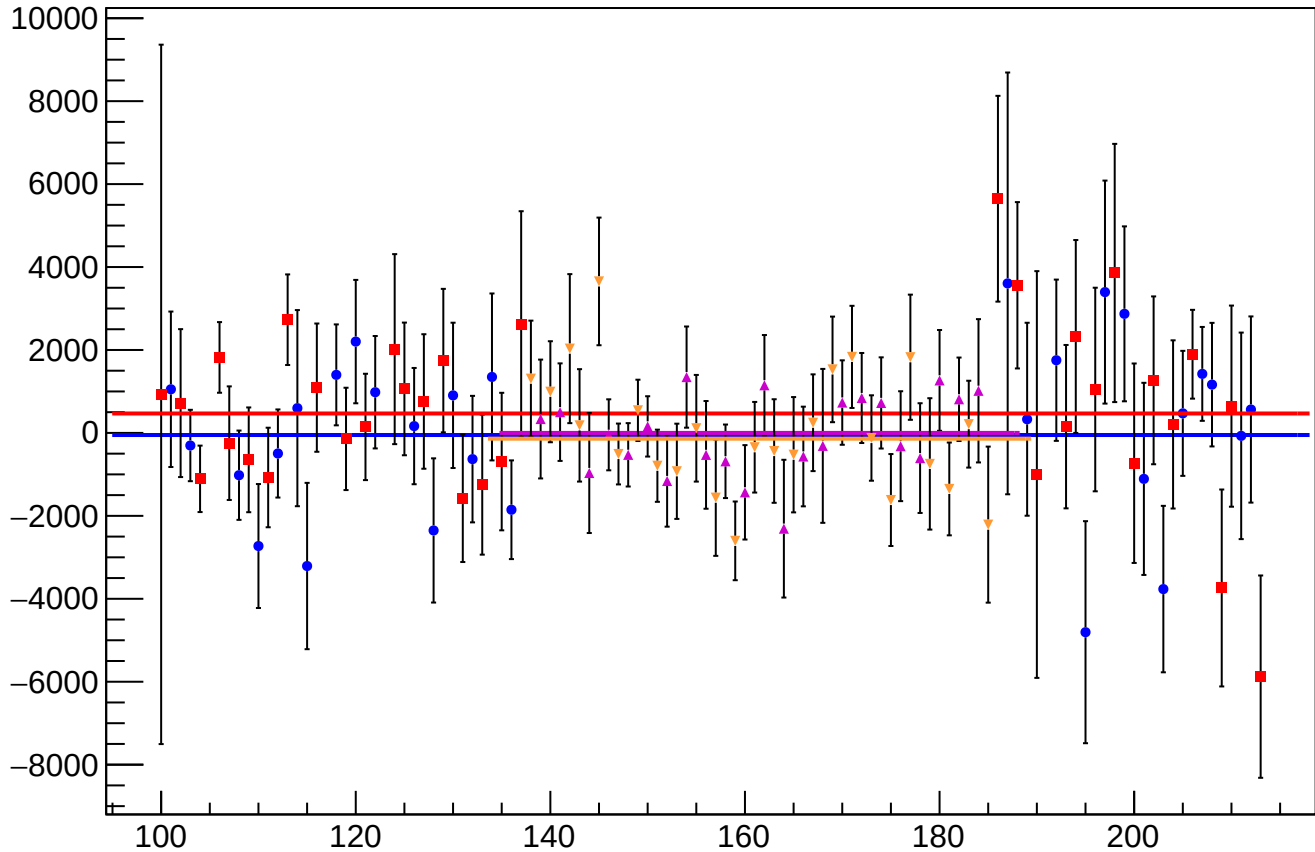
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1624.030+/-0.190 χ^2/NDF : 676938.6/53

All: 1625.308+/-0.134 χ^2/NDF : 832804.9/109

- sign 1626.576+/-0.189 χ^2/NDF : 155776.2/55

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -50.507 ± 289.471 χ^2/NDF : 30.8/28

Left Out: -139.022 ± 229.126 χ^2/NDF : 30.2/24

Right Out: 468.559 ± 272.964 χ^2/NDF : 39.8/32

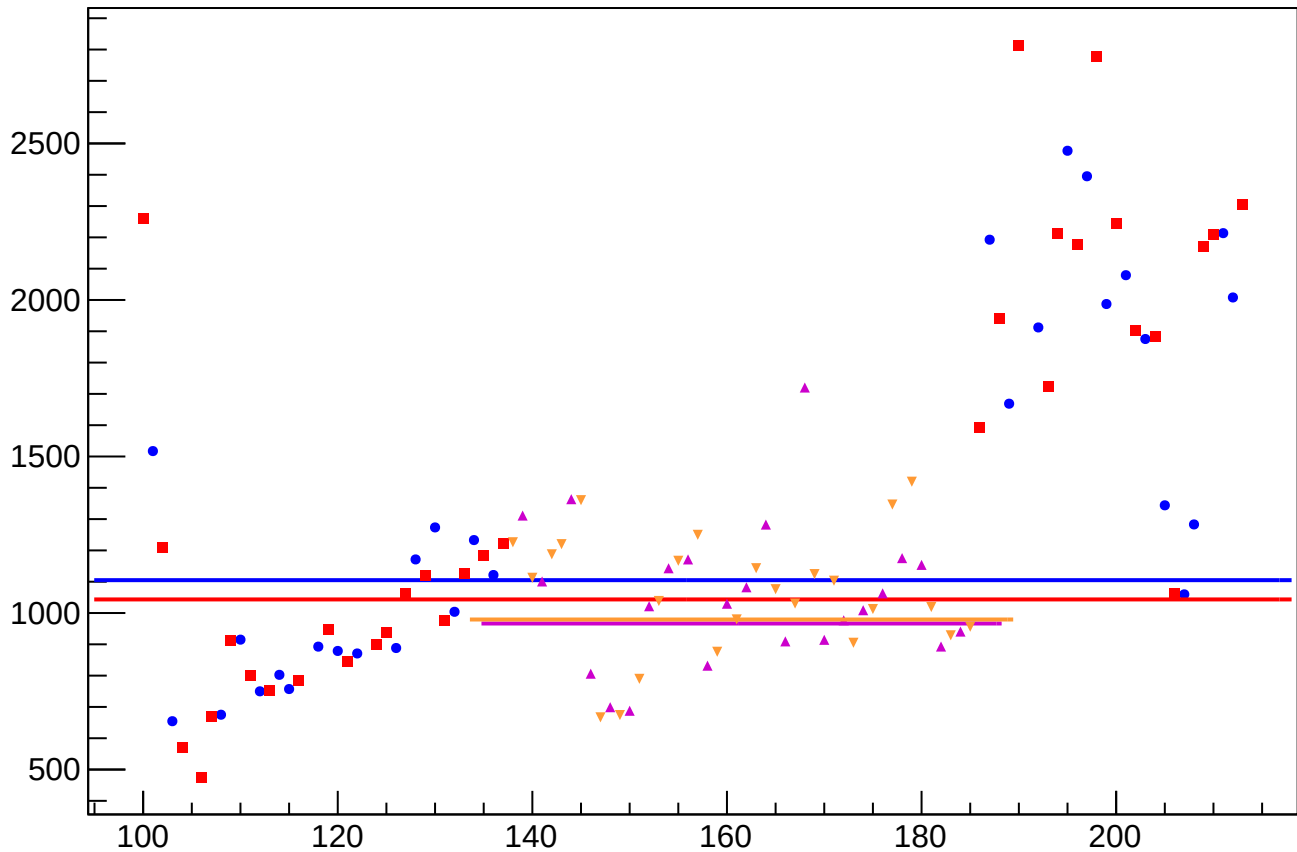
Left In: 0.092 ± 231.903 χ^2/NDF : 12.9/22

+ sign -104.927 ± 179.657 χ^2/NDF : 61.0/53

All: 48.247 ± 125.990 χ^2/NDF : 116.8/109

- sign 196.476 ± 176.733 χ^2/NDF : 54.4/55

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1104.967 $\pm$ 0.205 χ^2/NDF : 4905150.0/28

Left Out: 979.294 $\pm$ 0.162 χ^2/NDF : 1630623.2/24

Right Out: 1043.391 $\pm$ 0.193 χ^2/NDF : 7411269.5/32

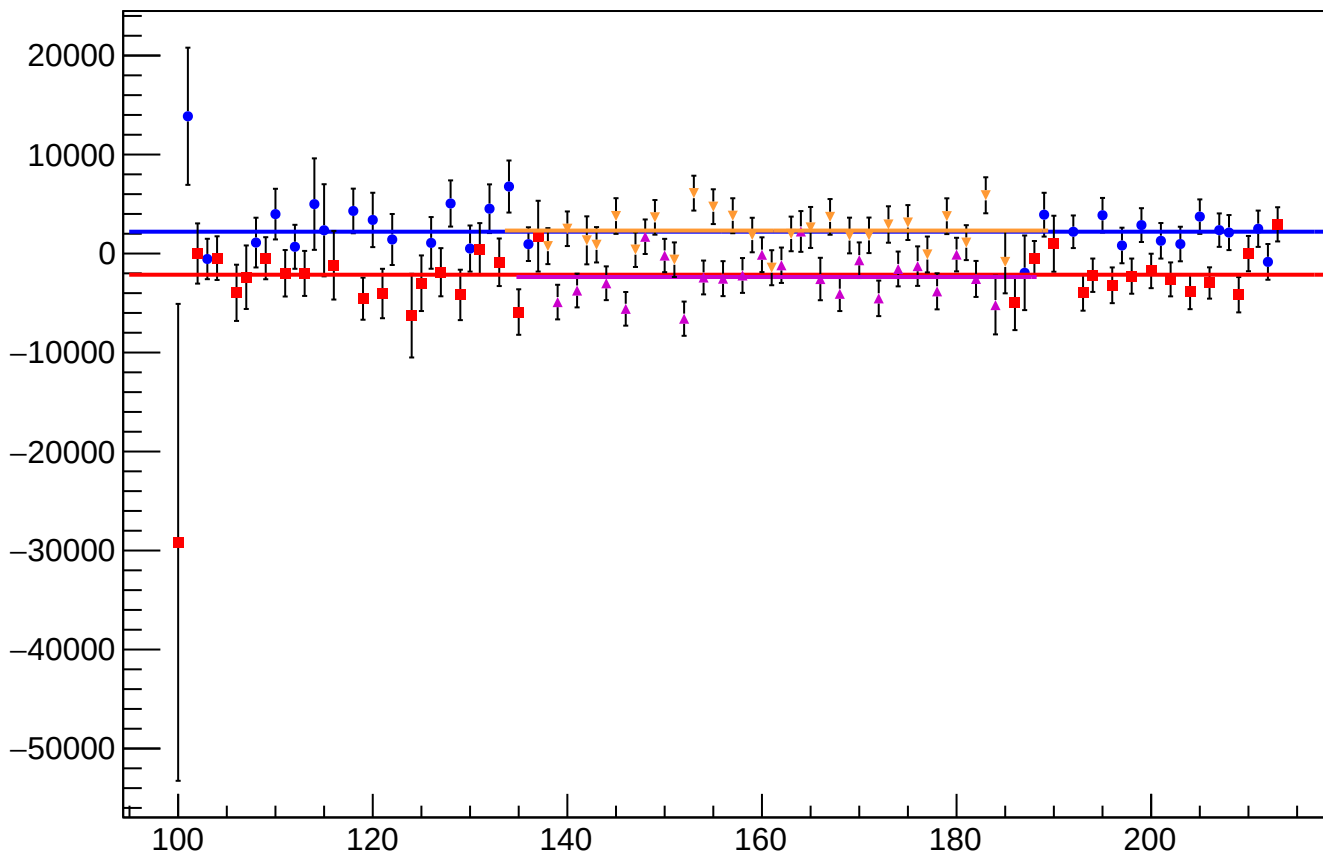
Left In: 966.526 $\pm$ 0.164 χ^2/NDF : 1602596.2/22

+ sign 1027.703 $\pm$ 0.127 χ^2/NDF : 6767534.6/53

All: 1012.988 $\pm$ 0.089 χ^2/NDF : 15899909.8/100

- sign 998.748 $\pm$ 0.125 χ^2/NDF : 9105975.0/55

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2206.428+/-395.792 χ^2/NDF : 21.9/28

Left Out: 2321.025+/-366.301 χ^2/NDF : 27.5/24

Right Out: -2139.223+/-380.623 χ^2/NDF : 29.4/32

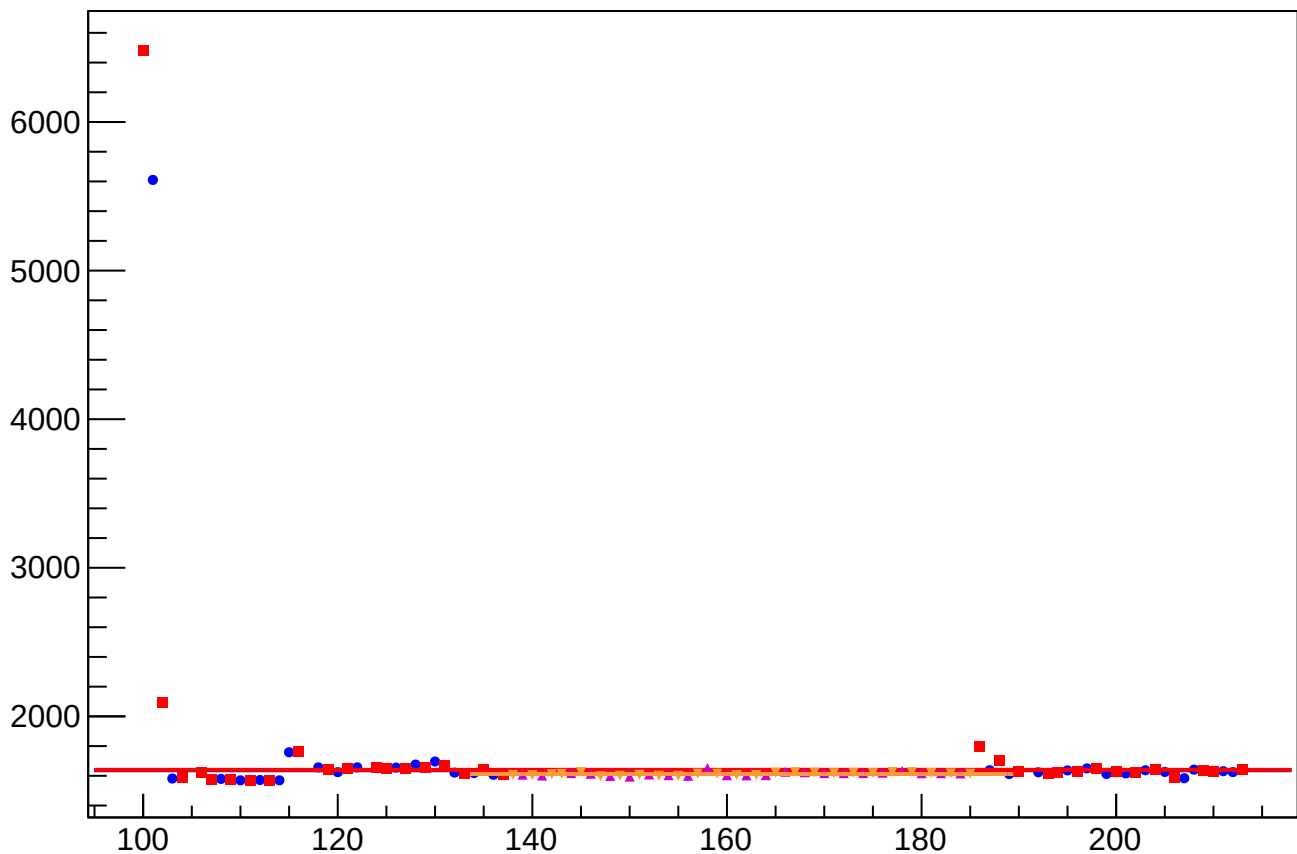
Left In: -2370.700+/-376.798 χ^2/NDF : 33.7/22

+ sign 2268.154+/-268.836 χ^2/NDF : 49.4/53

All: -2.904+/-189.721 χ^2/NDF : 254.9/109

- sign -2256.130+/-267.778 χ^2/NDF : 63.3/55

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.366+/-0.280 χ^2/NDF : 671550.0/28

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1640.117+/-0.269 χ^2/NDF : 148316.6/32

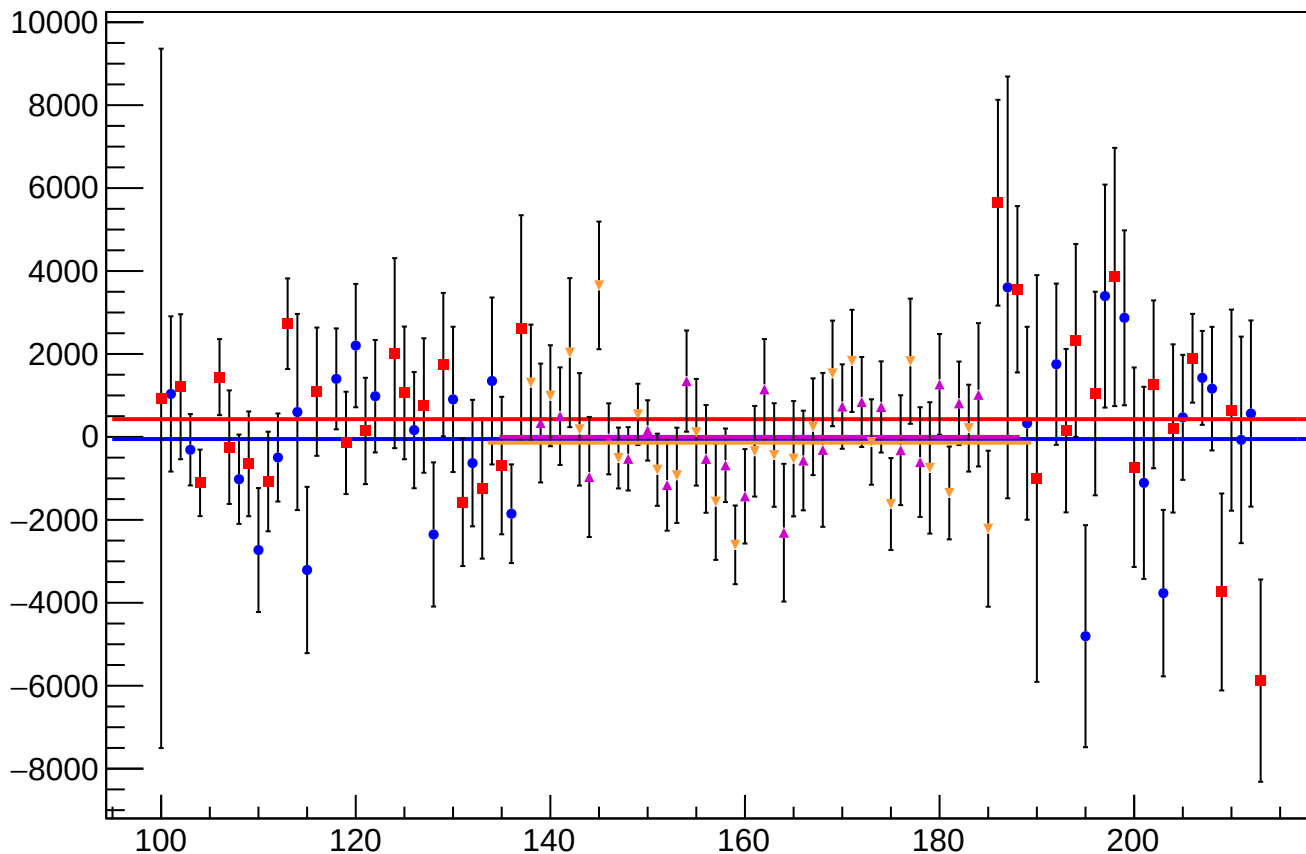
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1624.030+/-0.190 χ^2/NDF : 676938.1/53

All: 1625.432+/-0.134 χ^2/NDF : 832549.0/109

- sign 1626.822+/-0.189 χ^2/NDF : 155502.6/55

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -51.493 $\pm$ 289.444 χ^2/NDF : 30.8/28

Left Out: -139.074 $\pm$ 229.125 χ^2/NDF : 30.2/24

Right Out: 427.995 $\pm$ 274.797 χ^2/NDF : 38.6/32

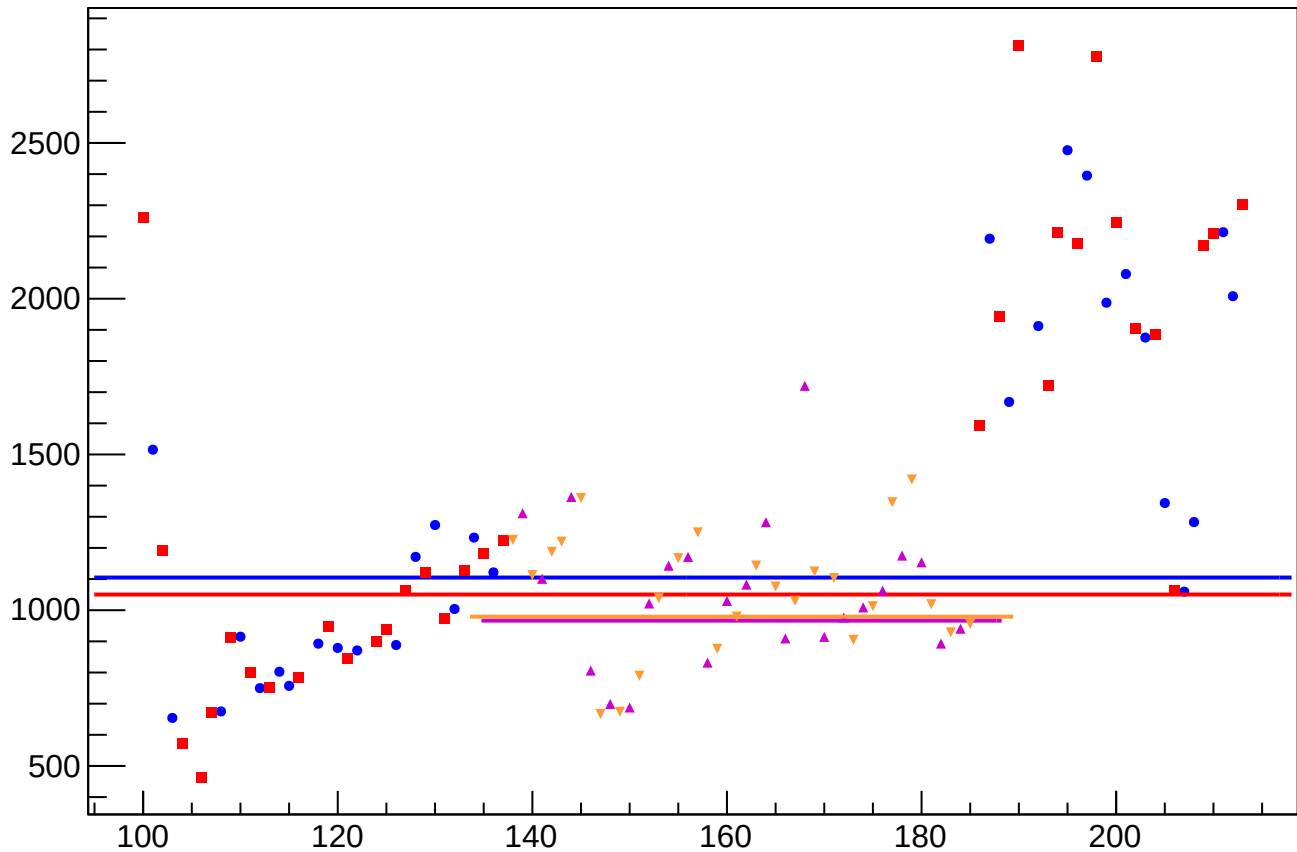
Left In: 0.068 $\pm$ 231.904 χ^2/NDF : 12.9/22

+ sign -105.334 $\pm$ 179.650 χ^2/NDF : 61.0/53

All: 38.288 $\pm$ 126.167 χ^2/NDF : 115.1/109

- sign 178.065 $\pm$ 177.228 χ^2/NDF : 52.8/55

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1104.856 $\pm$ 0.205 χ^2/NDF : 4905863.3/28

Left Out: 979.288 $\pm$ 0.162 χ^2/NDF : 1630731.2/24

Right Out: 1050.338 $\pm$ 0.194 χ^2/NDF : 7312954.2/32

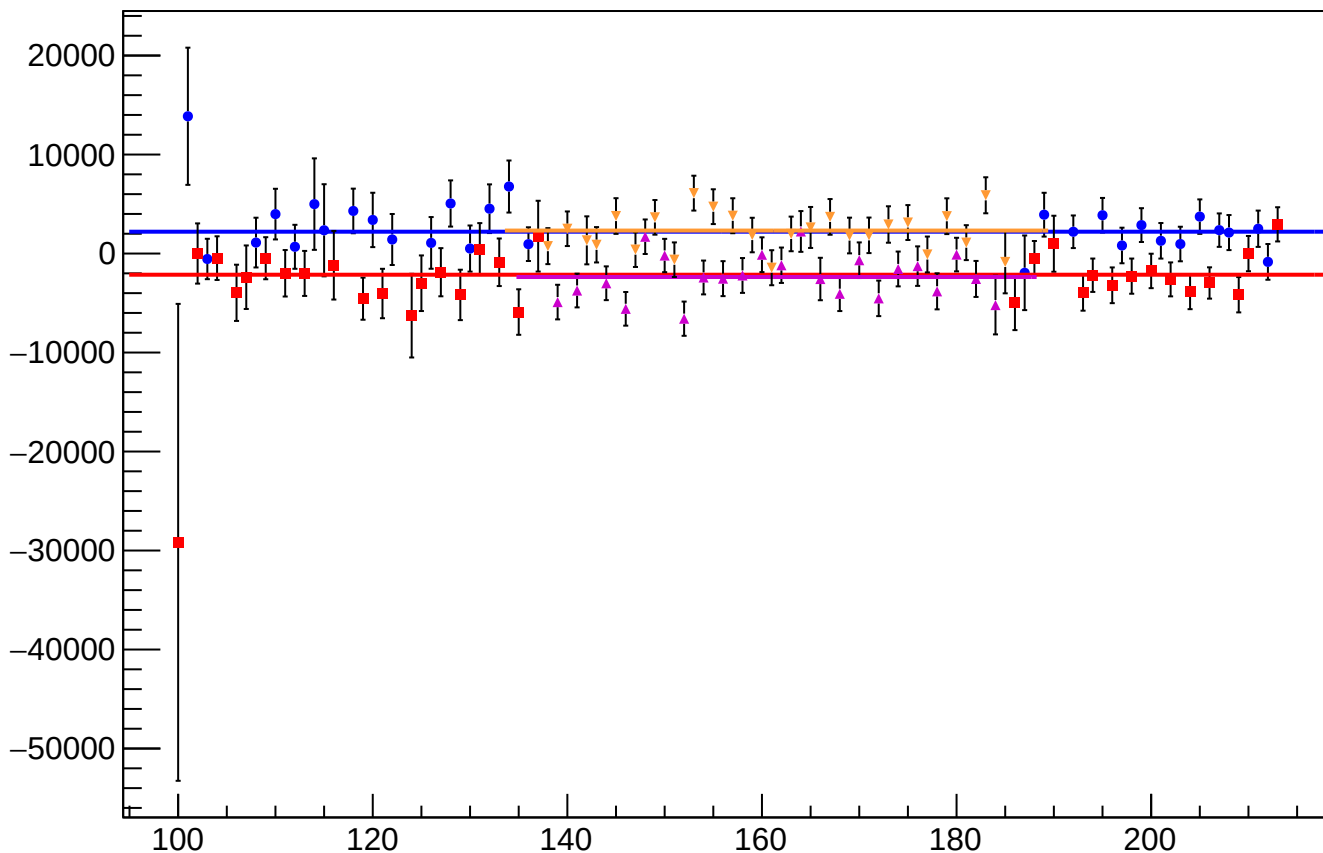
Left In: 966.531 $\pm$ 0.164 χ^2/NDF : 1602562.1/22

+ sign 1027.661 $\pm$ 0.127 χ^2/NDF : 6767994.8/53

All: 1014.348 $\pm$ 0.089 χ^2/NDF : 15813830.4/100

- sign 1001.391 $\pm$ 0.125 χ^2/NDF : 9024161.9/55

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2206.428 $\pm$ 395.792 χ^2/NDF : 21.9/28

Left Out: 2321.025 $\pm$ 366.301 χ^2/NDF : 27.5/24

Right Out: -2139.223 $\pm$ 380.623 χ^2/NDF : 29.4/32

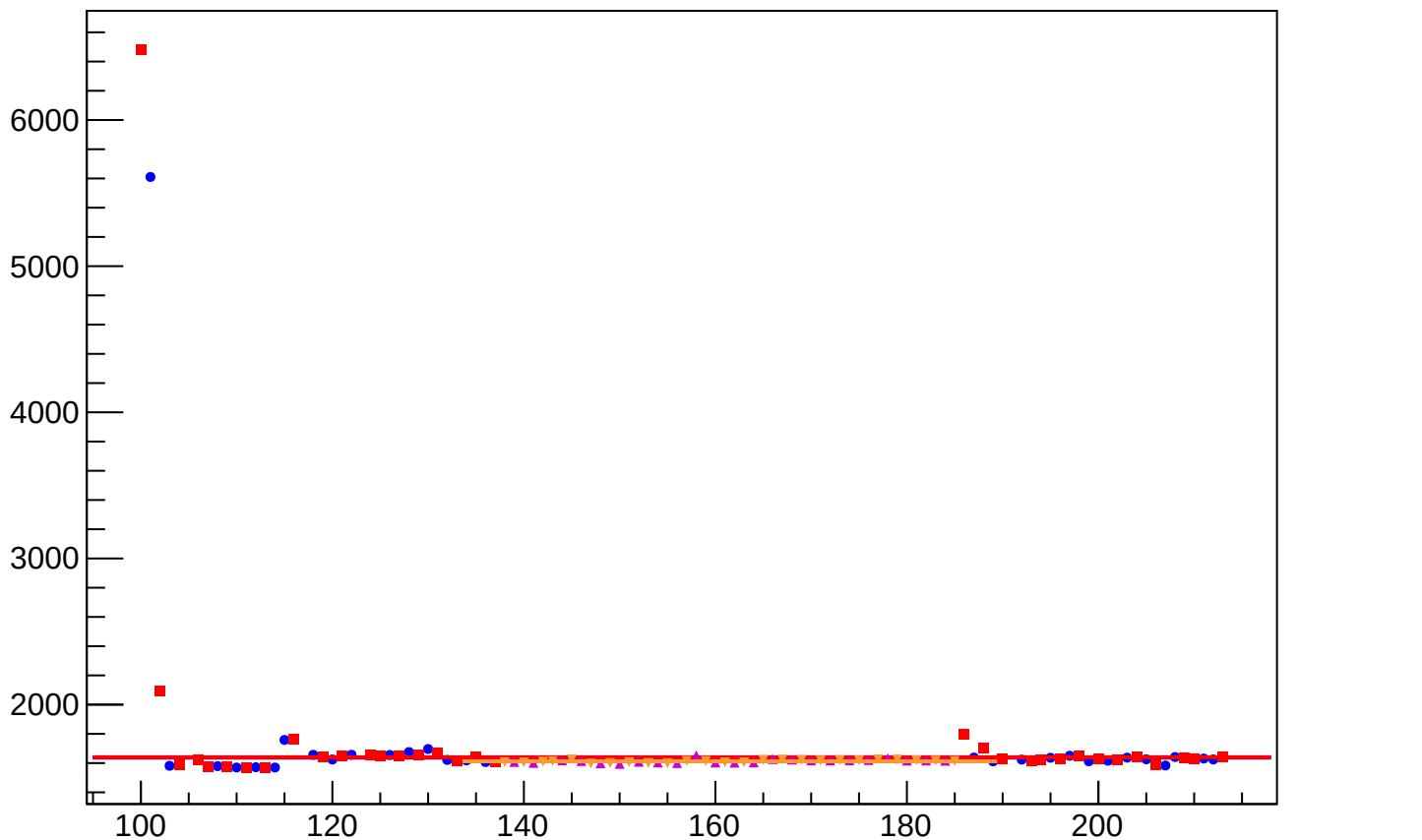
Left In: -2370.700 $\pm$ 376.798 χ^2/NDF : 33.7/22

+ sign 2268.154 $\pm$ 268.836 χ^2/NDF : 49.4/53

All: -2.904 $\pm$ 189.721 χ^2/NDF : 254.9/109

- sign -2256.130 $\pm$ 267.778 χ^2/NDF : 63.3/55

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.366+/-0.280 χ^2/NDF : 671550.0/28

Left Out: 1612.607+/-0.259 χ^2/NDF : 1172.5/24

Right Out: 1640.117+/-0.269 χ^2/NDF : 148316.6/32

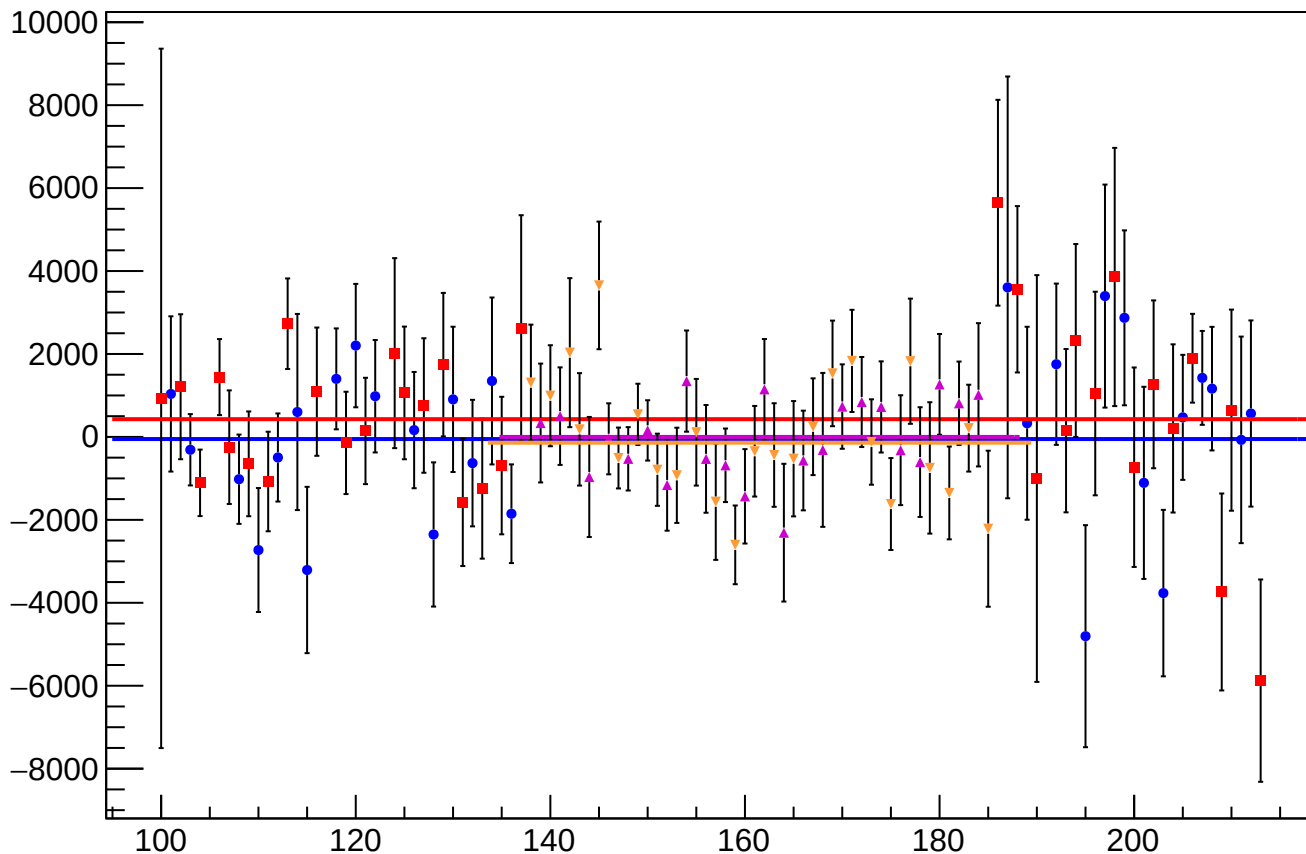
Left In: 1613.793+/-0.266 χ^2/NDF : 2354.6/22

+ sign 1624.030+/-0.190 χ^2/NDF : 676938.1/53

All: 1625.432+/-0.134 χ^2/NDF : 832549.0/109

- sign 1626.822+/-0.189 χ^2/NDF : 155502.6/55

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -51.493 ± 289.444 χ^2/NDF : 30.8/28

Left Out: -139.074 ± 229.125 χ^2/NDF : 30.2/24

Right Out: 427.995 ± 274.797 χ^2/NDF : 38.6/32

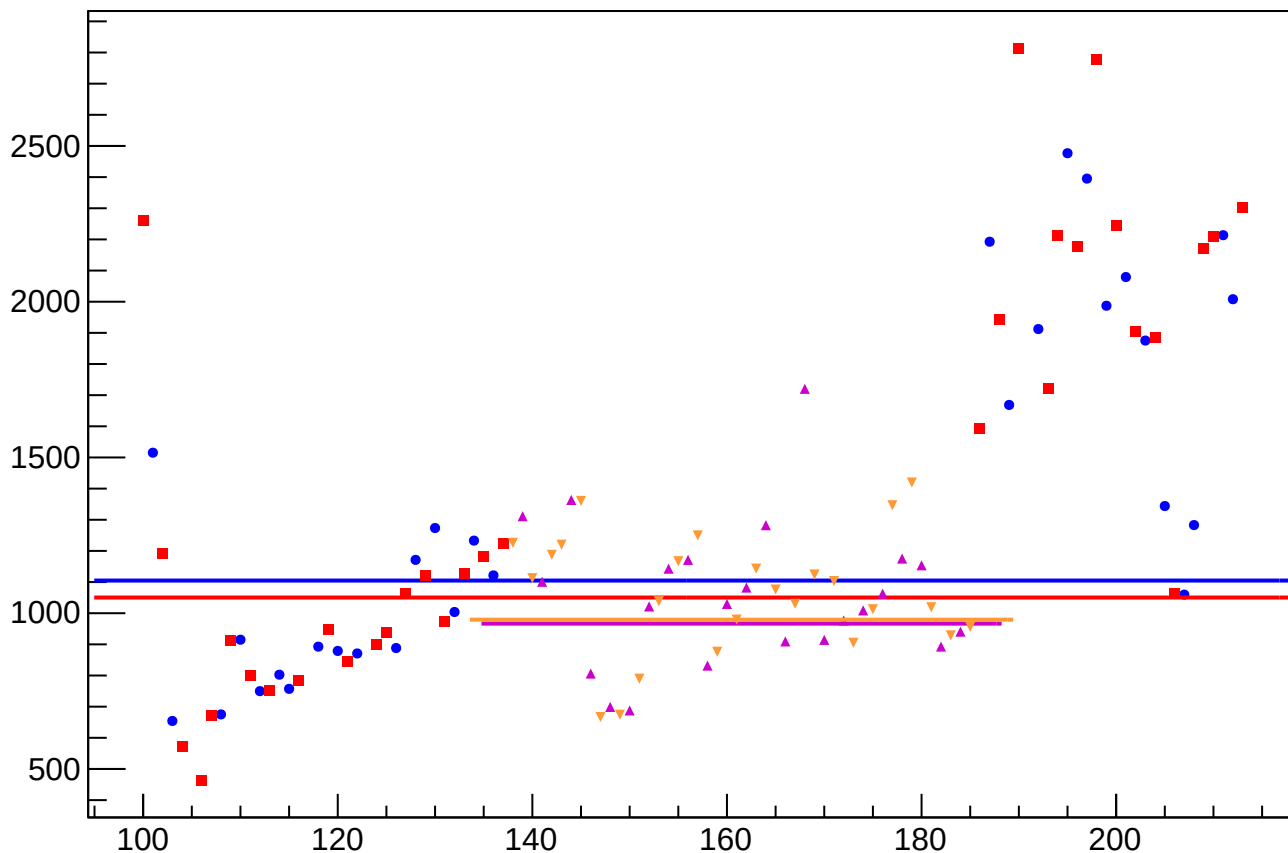
Left In: 0.068 ± 231.904 χ^2/NDF : 12.9/22

+ sign -105.334 ± 179.650 χ^2/NDF : 61.0/53

All: 38.288 ± 126.167 χ^2/NDF : 115.1/109

- sign 178.065 ± 177.228 χ^2/NDF : 52.8/55

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 1104.856 $\pm$ 0.205 χ^2 /NDF: 4905863.3/28

Left Out: 979.288 $\pm$ 0.162 χ^2 /NDF:1630731.2/24

Right Out: 1050.338 $\pm$ 0.194 χ^2 /NDF: 7312954.2/32

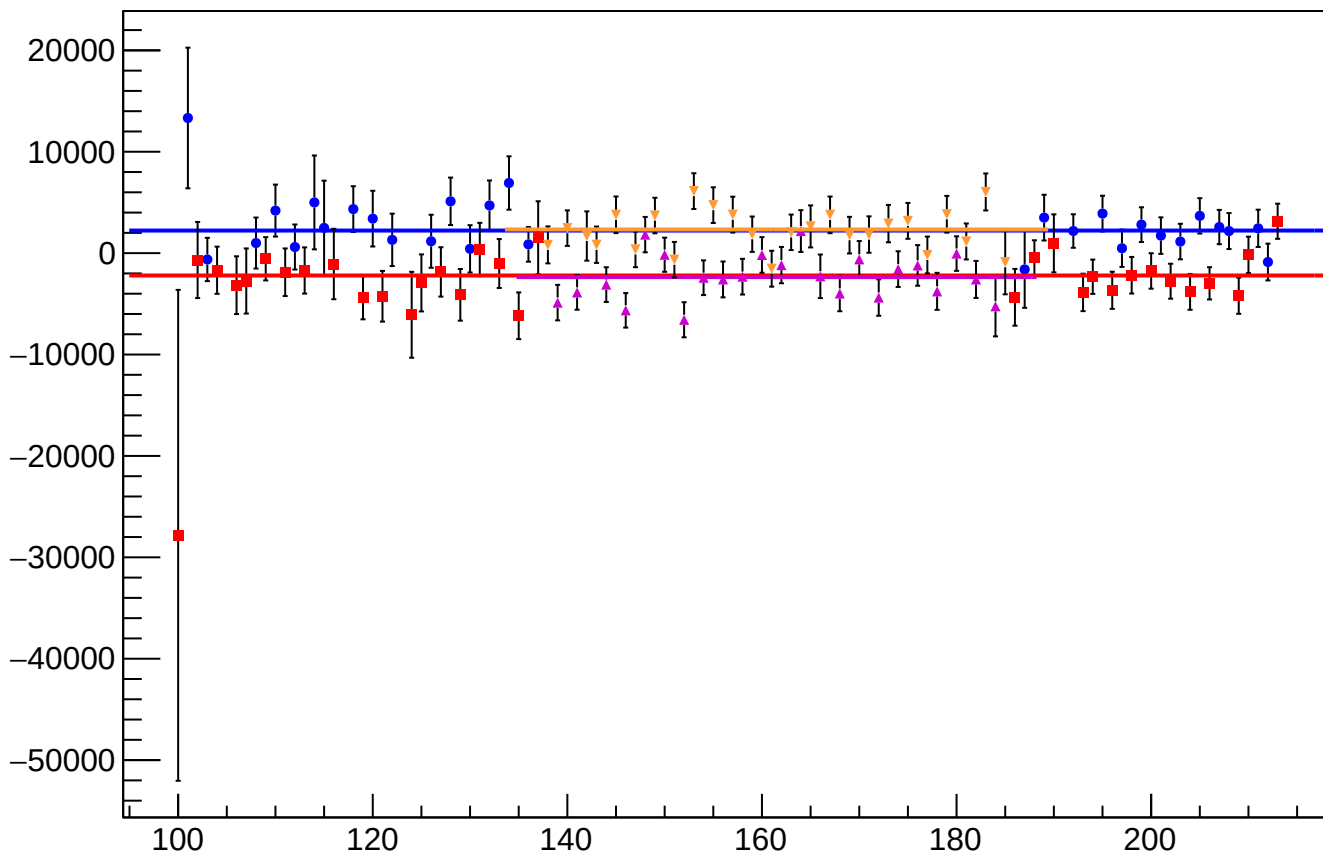
Left In: 966.531 $\pm$ 0.164 χ^2 /NDF:1602562.1/22

+ sign 1027.661 $\pm$ 0.127 χ^2 /NDF: 6767994.8/53

All: 1014.348 $\pm$ 0.089 χ^2 /NDF: 15813830.4/100

- sign 1001.391 $\pm$ 0.125 χ^2 /NDF: 9024161.9/55

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2228.068 $\pm$ 398.143 χ^2 /NDF: 21.8/28

Left Out: 2334.840 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2203.586 $\pm$ 383.923 χ^2 /NDF: 28.3/32

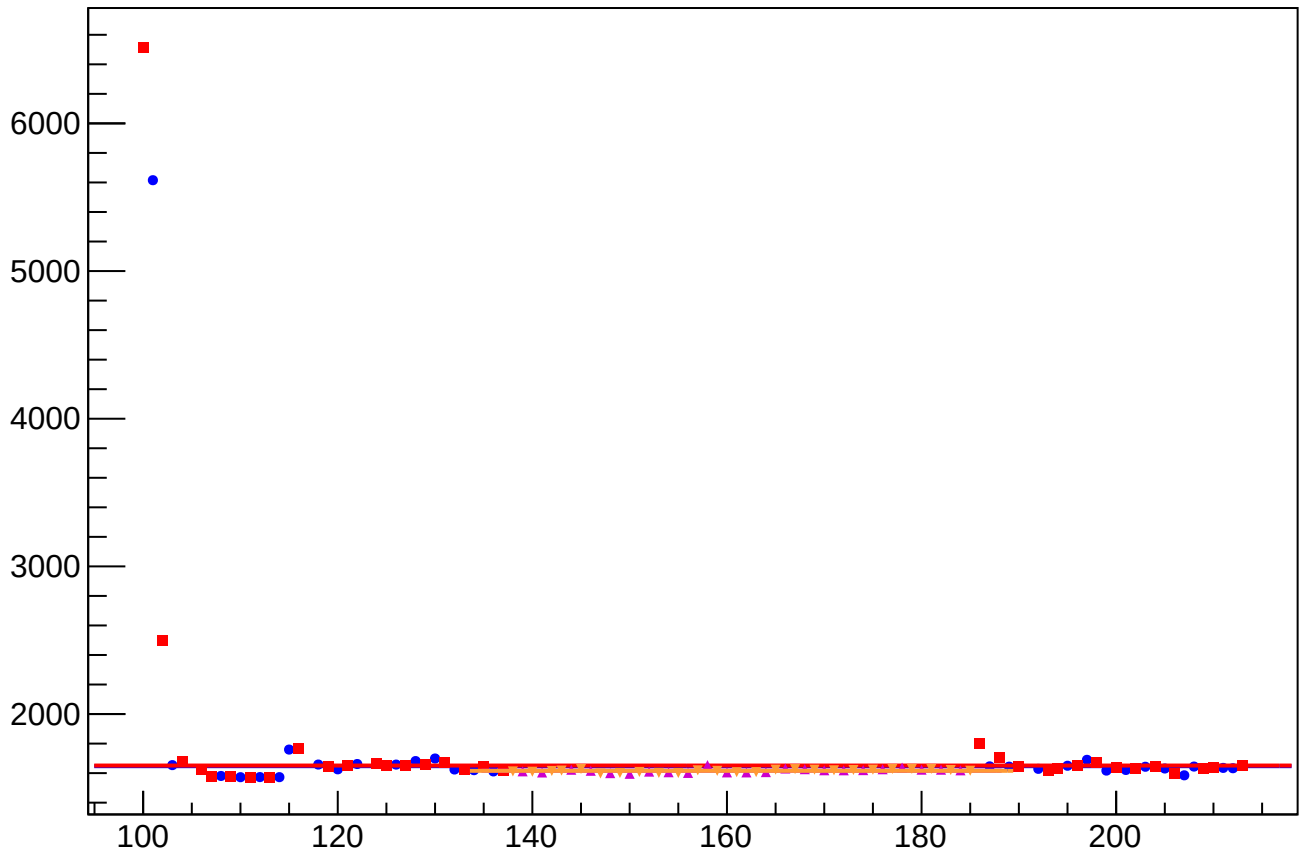
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2285.794 $\pm$ 269.844 χ^2 /NDF: 50.1/53

All: -4.718 $\pm$ 190.559 χ^2 /NDF: 256.1/109

- sign -2283.280 $\pm$ 269.139 χ^2 /NDF: 62.4/55

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1646.988+/-0.282 χ^2/NDF : 670188.2/28

Left Out: 1615.633+/-0.260 χ^2/NDF : 1447.2/24

Right Out: 1651.359+/-0.271 χ^2/NDF : 205563.8/32

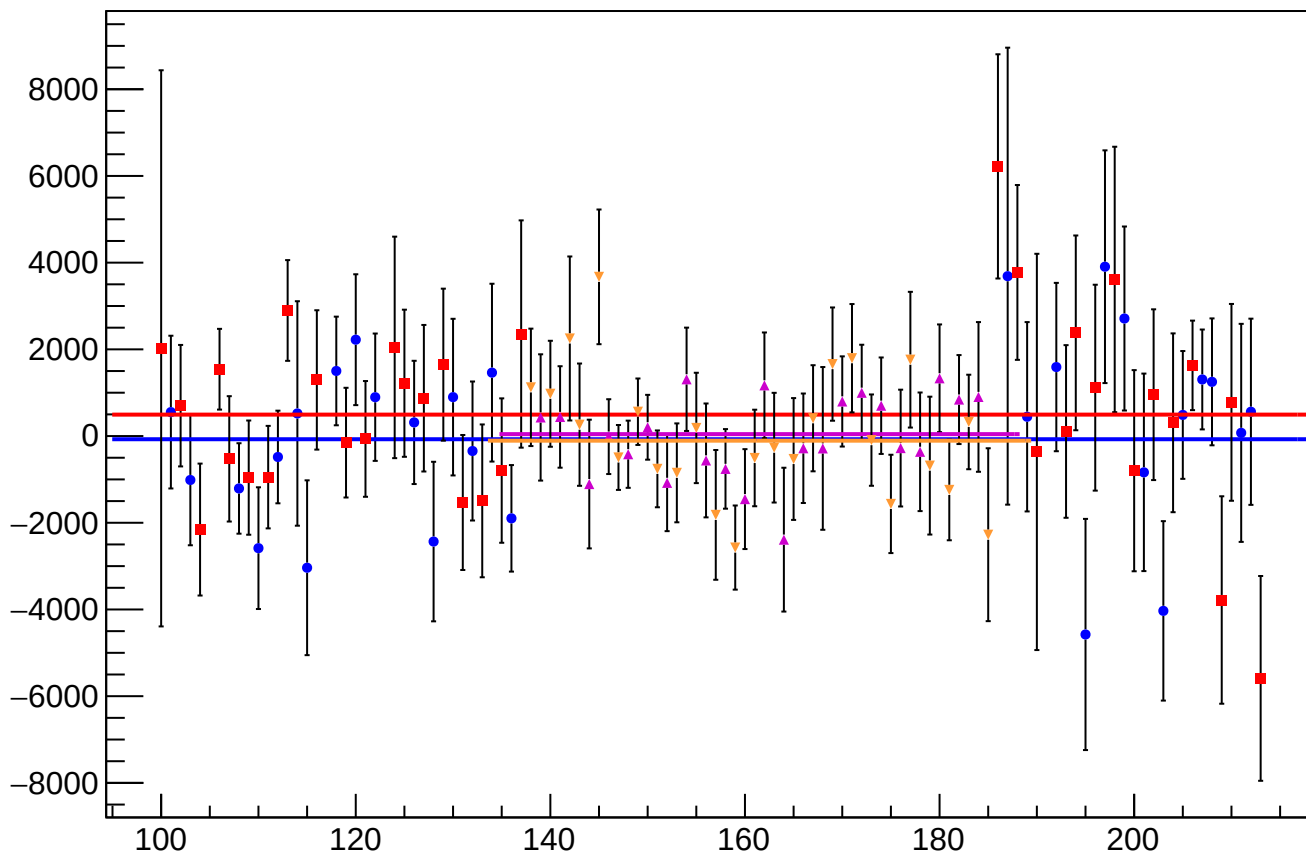
Left In: 1616.361+/-0.267 χ^2/NDF : 2557.7/22

+ sign 1630.036+/-0.191 χ^2/NDF : 678341.6/53

All: 1631.803+/-0.135 χ^2/NDF : 895086.8/109

- sign 1633.560+/-0.190 χ^2/NDF : 216574.2/55

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -73.138 ± 303.157 χ^2/NDF : 30.7/28

Left Out: -106.338 ± 234.306 χ^2/NDF : 29.0/24

Right Out: 494.658 ± 289.134 χ^2/NDF : 38.5/32

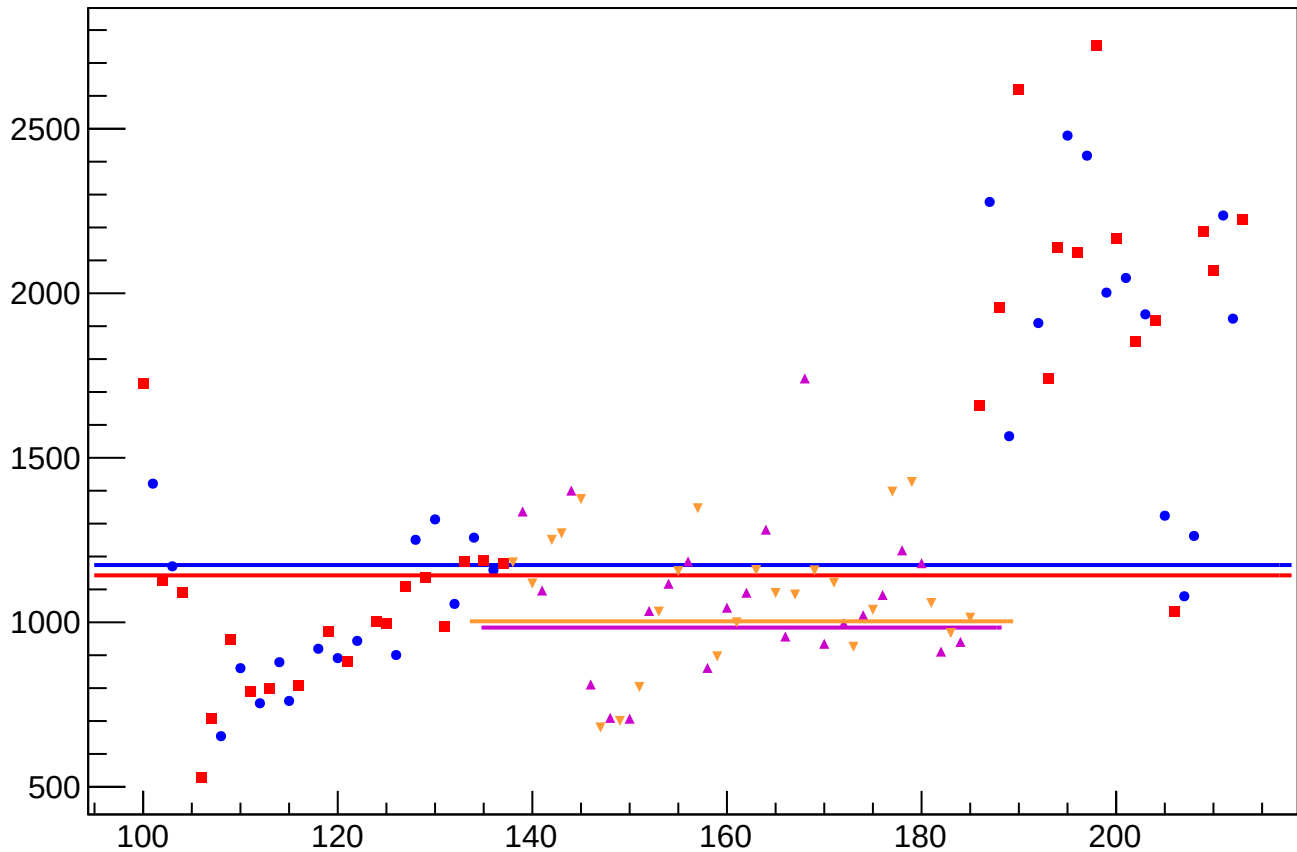
Left In: 44.469 ± 235.733 χ^2/NDF : 12.8/22

+ sign -93.923 ± 185.389 χ^2/NDF : 59.8/53

All: 67.473 ± 130.130 χ^2/NDF : 114.0/109

- sign 224.229 ± 182.704 χ^2/NDF : 52.8/55

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1174.103 $\pm$ 0.214 χ^2/NDF : 4219804.1/28

Left Out: 1003.101 $\pm$ 0.166 χ^2/NDF : 1598415.6/24

Right Out: 1142.752 $\pm$ 0.204 χ^2/NDF : 5888339.8/32

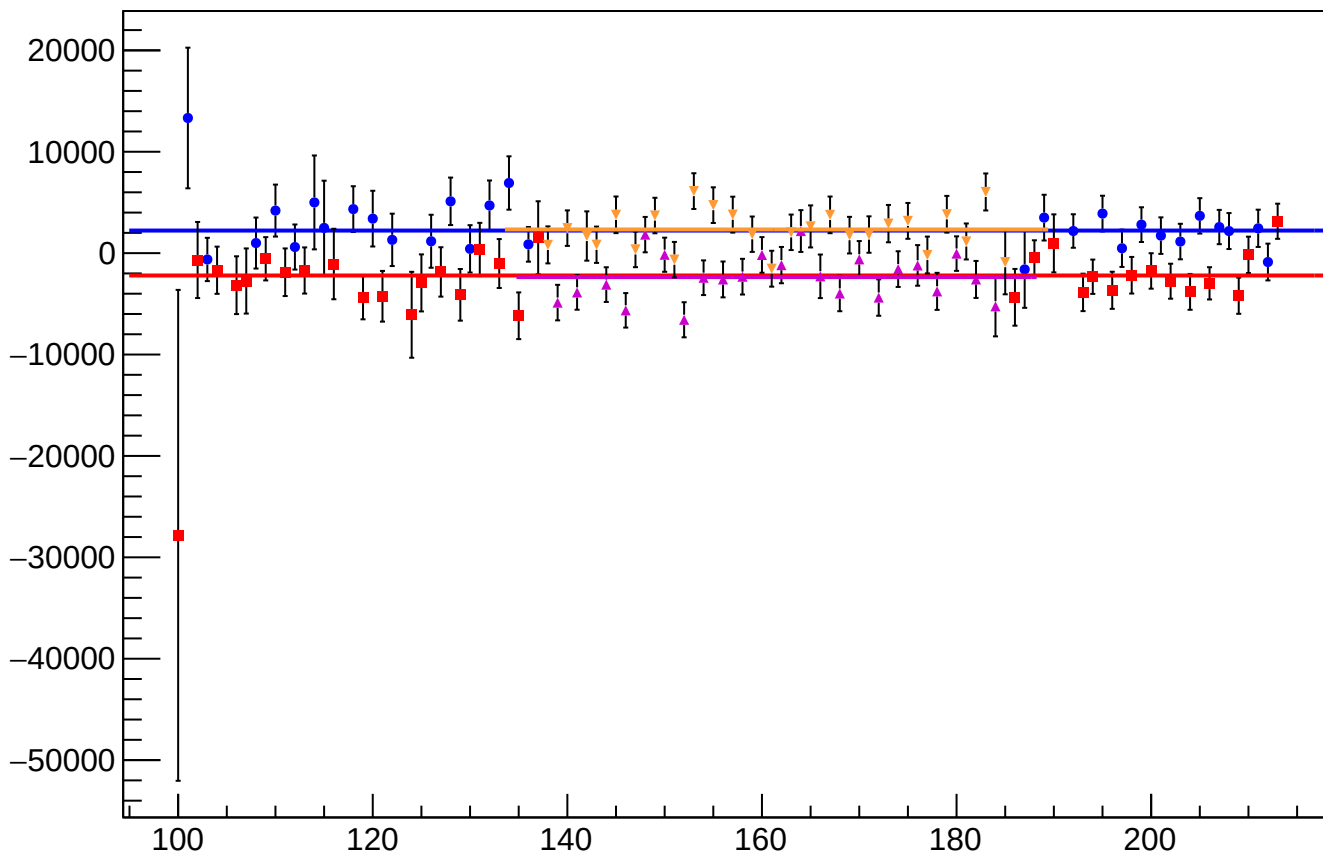
Left In: 984.053 $\pm$ 0.167 χ^2/NDF : 1559561.5/22

+ sign 1067.050 $\pm$ 0.131 χ^2/NDF : 6216596.9/53

All: 1057.092 $\pm$ 0.092 χ^2/NDF : 14037808.4/100

- sign 1047.422 $\pm$ 0.129 χ^2/NDF : 7809838.6/55

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2228.068 $\pm$ 398.143 χ^2 /NDF: 21.8/28

Left Out: 2334.839 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2203.584 $\pm$ 383.923 χ^2 /NDF: 28.3/32

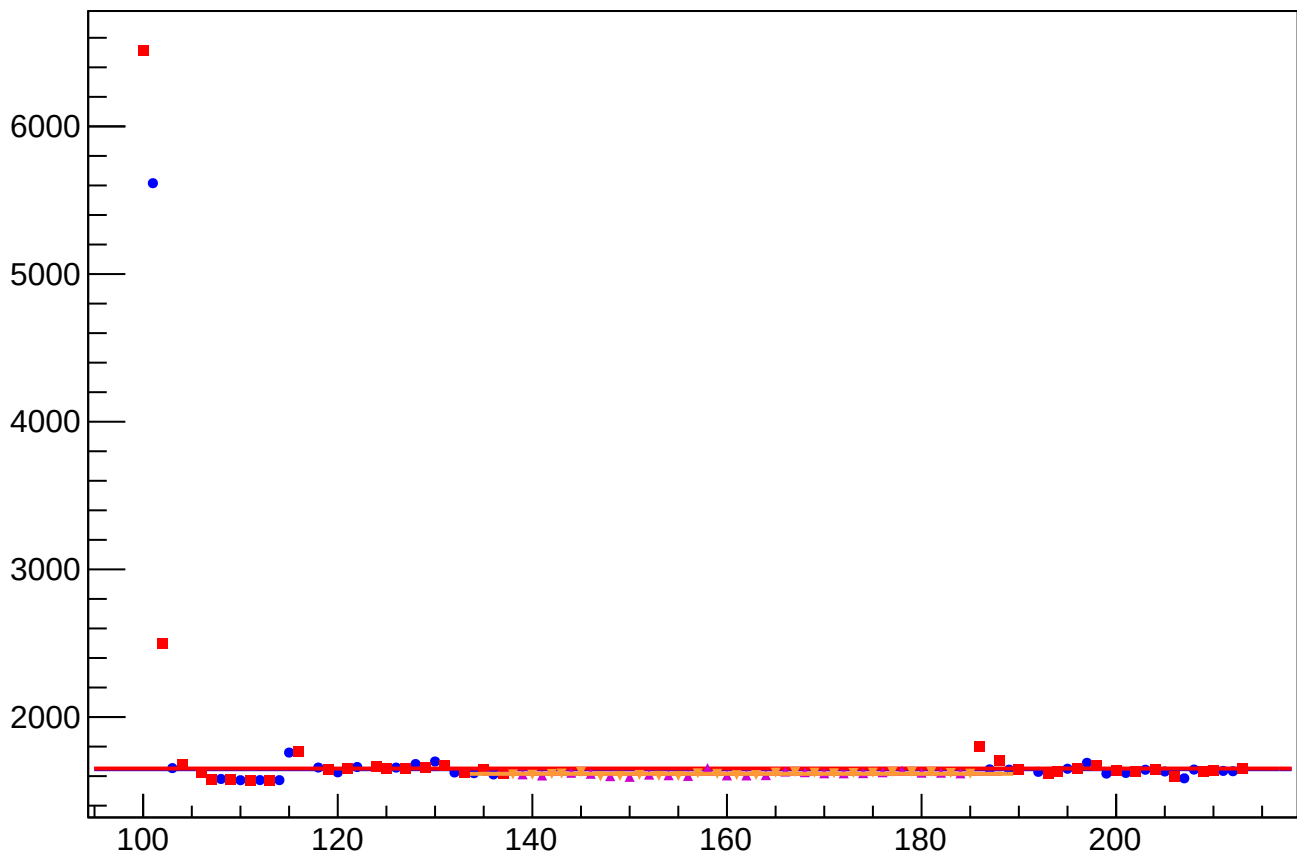
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2285.794 $\pm$ 269.844 χ^2 /NDF: 50.1/53

All: -4.717 $\pm$ 190.559 χ^2 /NDF: 256.1/109

- sign -2283.279 $\pm$ 269.139 χ^2 /NDF: 62.4/55

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1646.988+/-0.282 χ^2/NDF : 670188.2/28

Left Out: 1615.633+/-0.260 χ^2/NDF : 1447.2/24

Right Out: 1651.359+/-0.271 χ^2/NDF : 205563.7/32

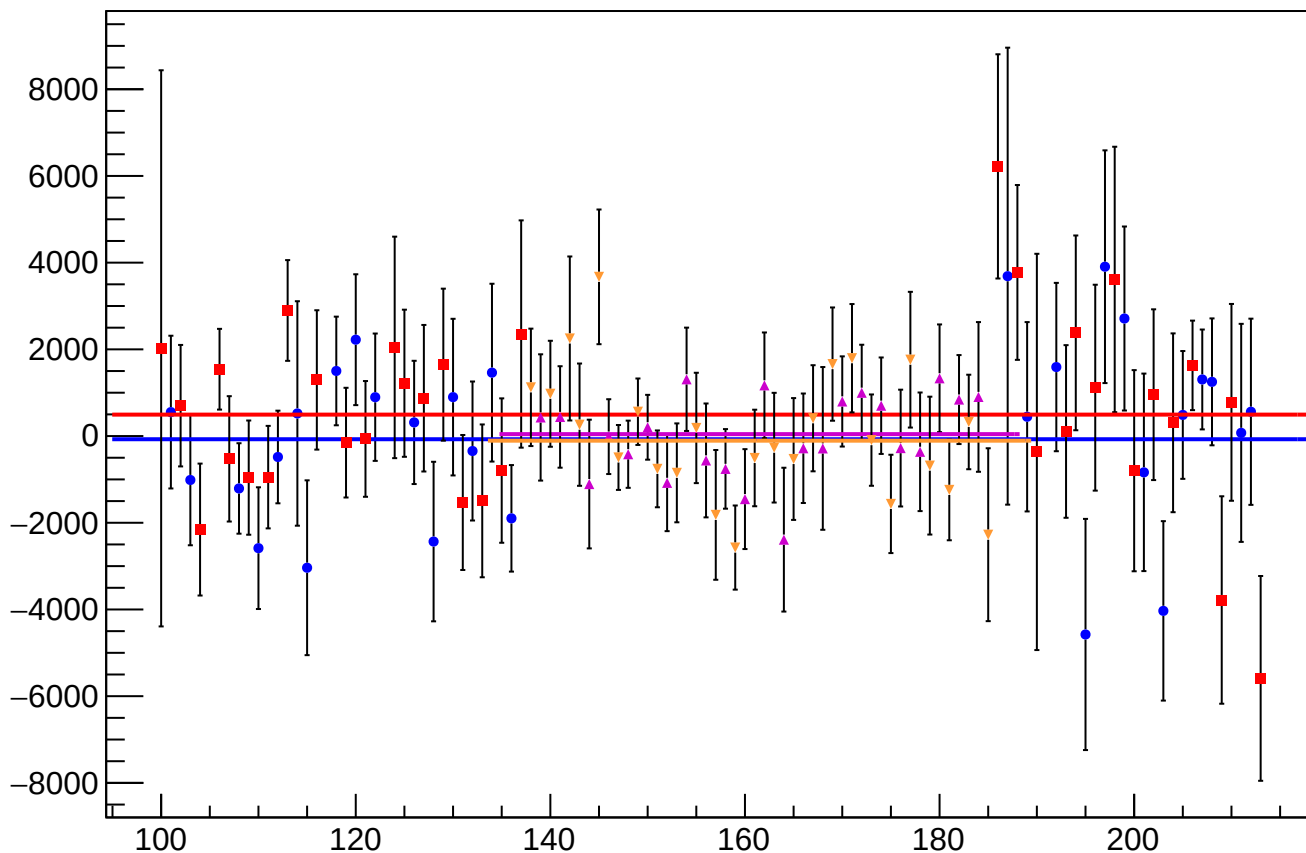
Left In: 1616.361+/-0.267 χ^2/NDF : 2557.7/22

+ sign 1630.036+/-0.191 χ^2/NDF : 678341.5/53

All: 1631.803+/-0.135 χ^2/NDF : 895086.6/109

- sign 1633.560+/-0.190 χ^2/NDF : 216574.0/55

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -73.139 ± 303.156 χ^2/NDF : 30.7/28

Left Out: -106.340 ± 234.307 χ^2/NDF : 29.0/24

Right Out: 494.656 ± 289.134 χ^2/NDF : 38.5/32

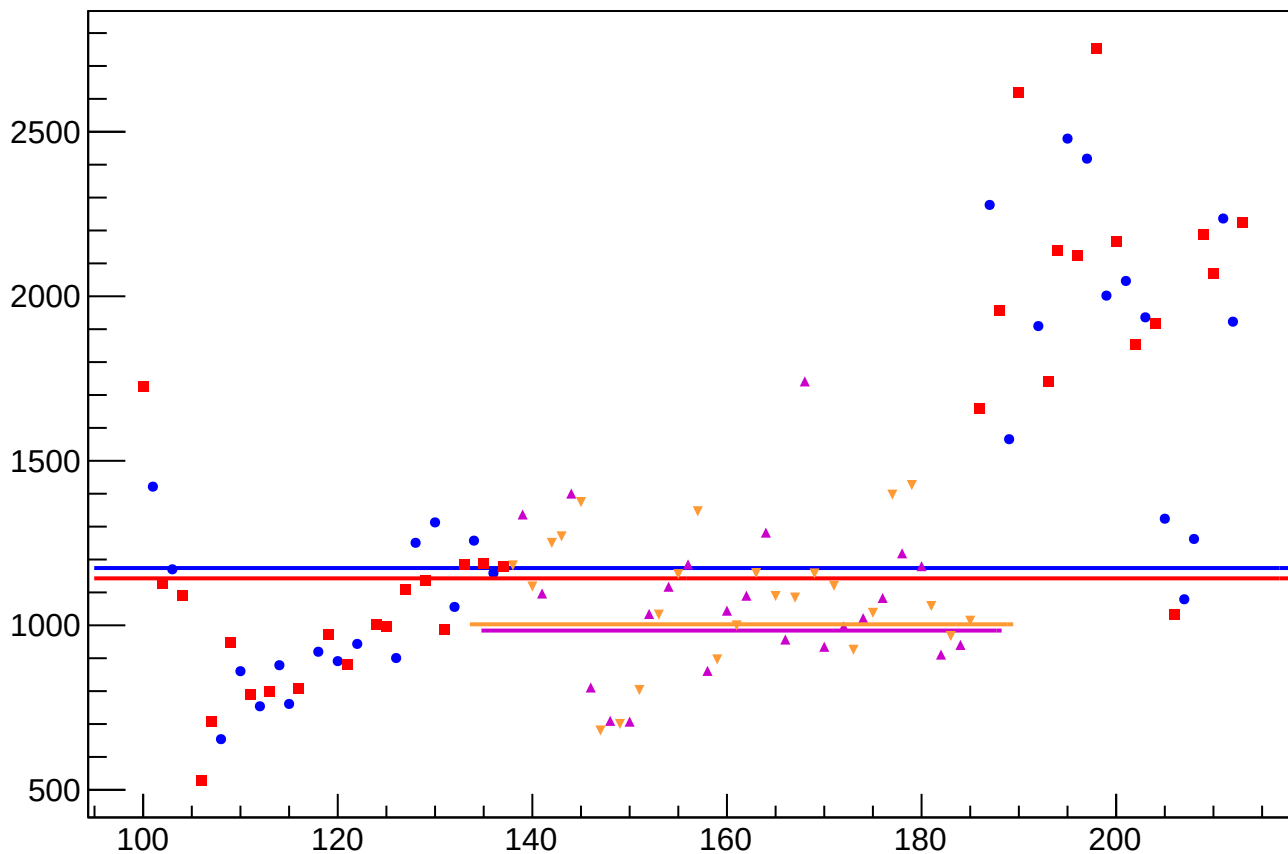
Left In: 44.468 ± 235.733 χ^2/NDF : 12.8/22

+ sign -93.924 ± 185.389 χ^2/NDF : 59.8/53

All: 67.472 ± 130.130 χ^2/NDF : 114.0/109

- sign 224.229 ± 182.705 χ^2/NDF : 52.8/55

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 1174.100+/-0.214 χ^2/NDF : 4219853.3/28

Left Out: 1003.103+/-0.166 χ^2/NDF : 1598417.7/24

Right Out: 1142.749+/-0.204 χ^2/NDF : 5888377.7/32

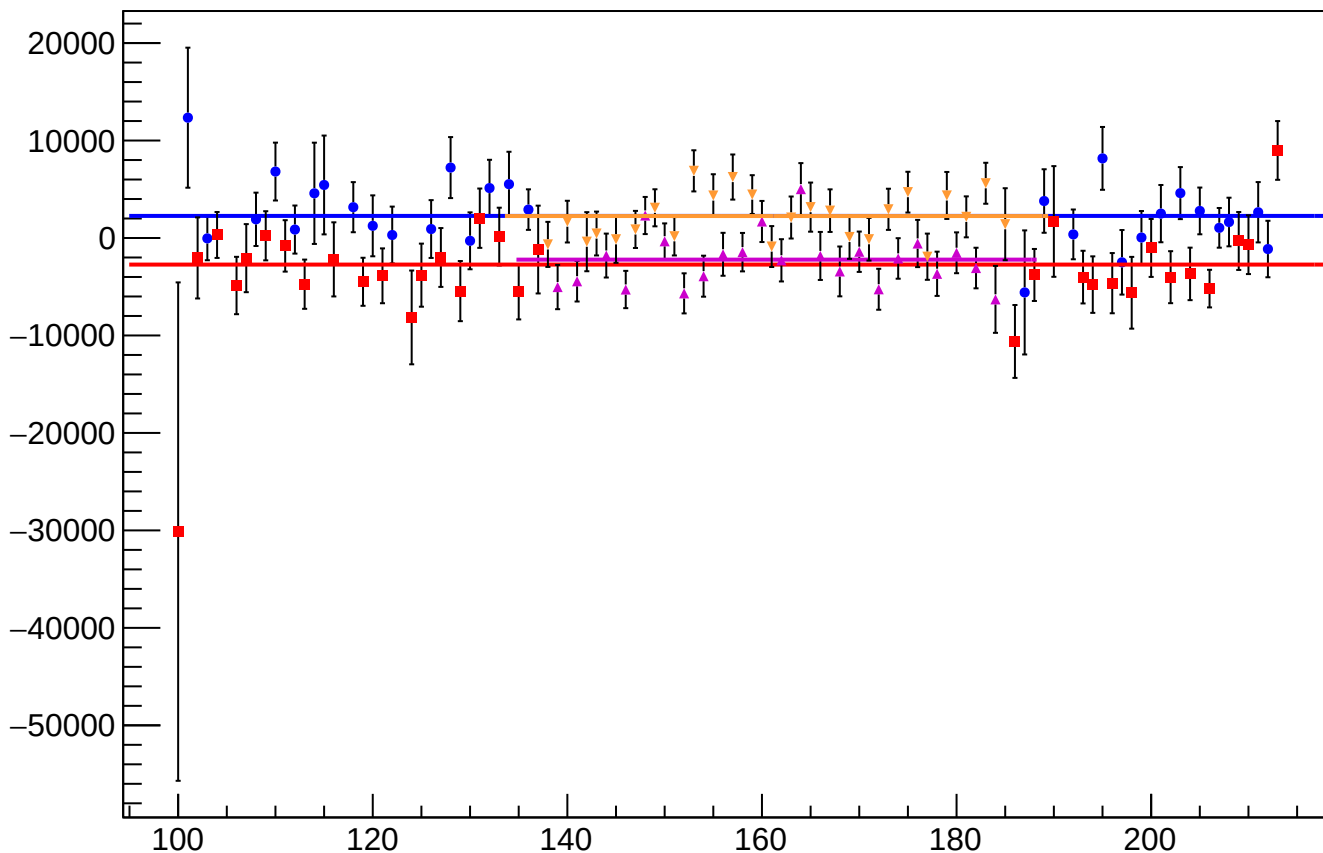
Left In: 984.055+/-0.167 χ^2/NDF : 1559563.7/22

+ sign 1067.050+/-0.131 χ^2/NDF : 6216624.2/53

All: 1057.093+/-0.092 χ^2/NDF : 14037854.9/100

- sign 1047.422+/-0.129 χ^2/NDF : 7809857.9/55

asym_usr_atr1_avg_mean vs Slug



Right In: 2266.314 ± 534.449 χ^2/NDF : 23.5/28

Left Out: 2252.380 ± 442.213 χ^2/NDF : 28.3/24

Right Out: -2727.411 ± 521.647 χ^2/NDF : 38.8/32

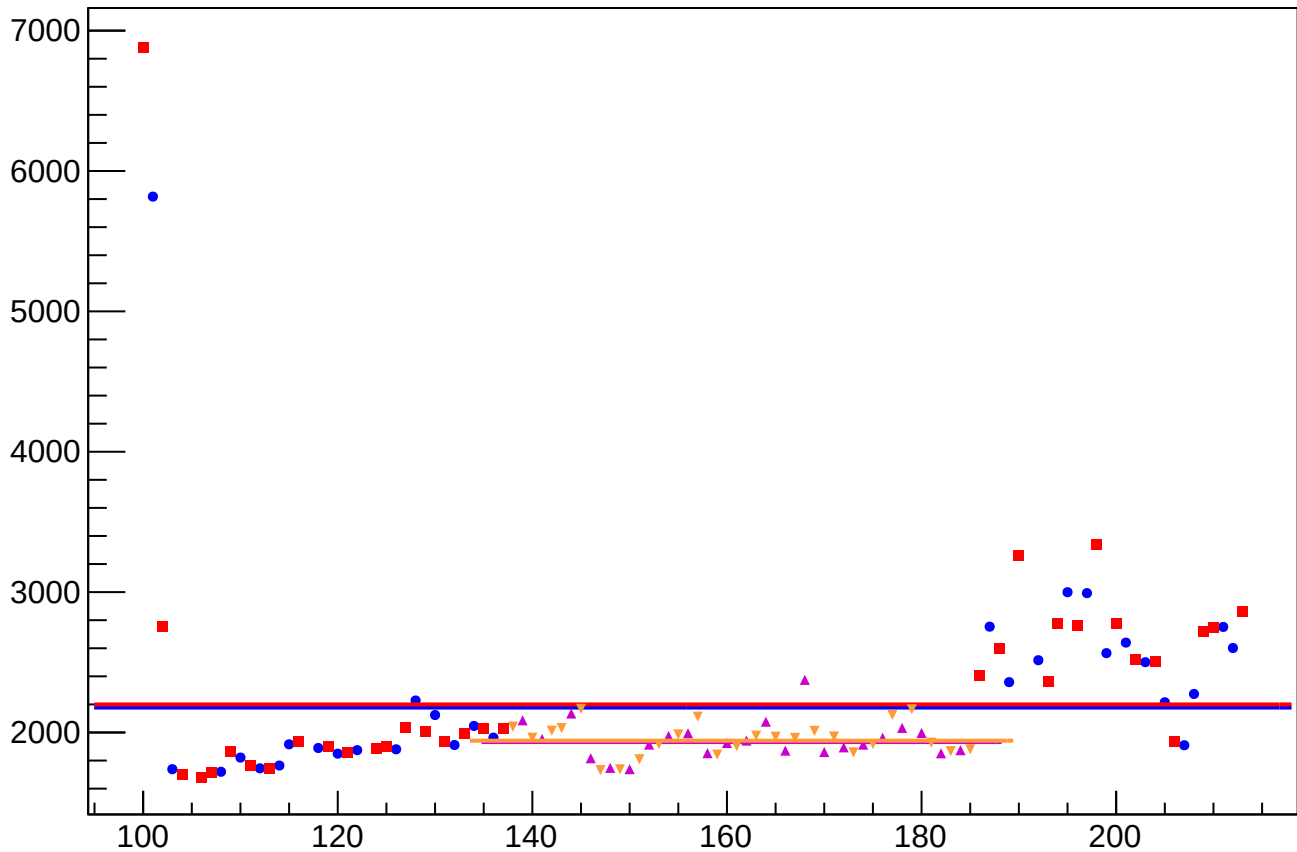
Left In: -2219.401 ± 452.286 χ^2/NDF : 31.5/22

+ sign 2258.043 ± 340.706 χ^2/NDF : 51.8/53

All: -82.671 ± 241.275 χ^2/NDF : 217.4/109

- sign -2437.409 ± 341.725 χ^2/NDF : 70.9/55

asym_usr_atr1_avg_rms vs Slug



Right In: 2177.549+/-0.378 χ^2/NDF : 1464157.1/28

Left Out: 1941.583+/-0.313 χ^2/NDF :139011.4/24

Right Out: 2199.807+/-0.369 χ^2/NDF : 1451318.2/32

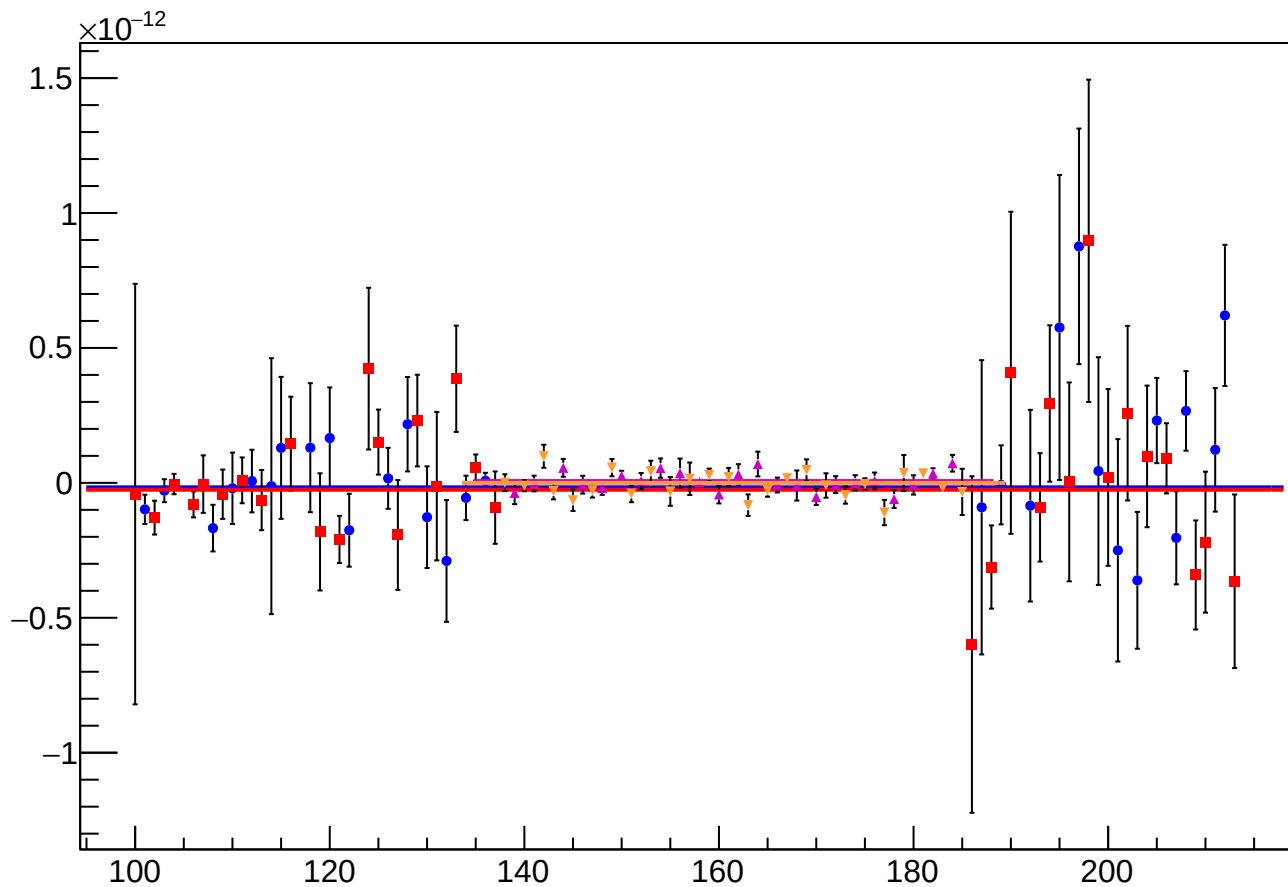
Left In: 1931.812+/-0.320 χ^2/NDF :159877.0/22

+ sign 2037.478+/-0.241 χ^2/NDF : 1834595.4/53

All: 2042.135+/-0.171 χ^2/NDF : 3747882.3/10

- sign 2046.821+/-0.242 χ^2/NDF : 1912537.2/55

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 34.2/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 40.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 39.9/32

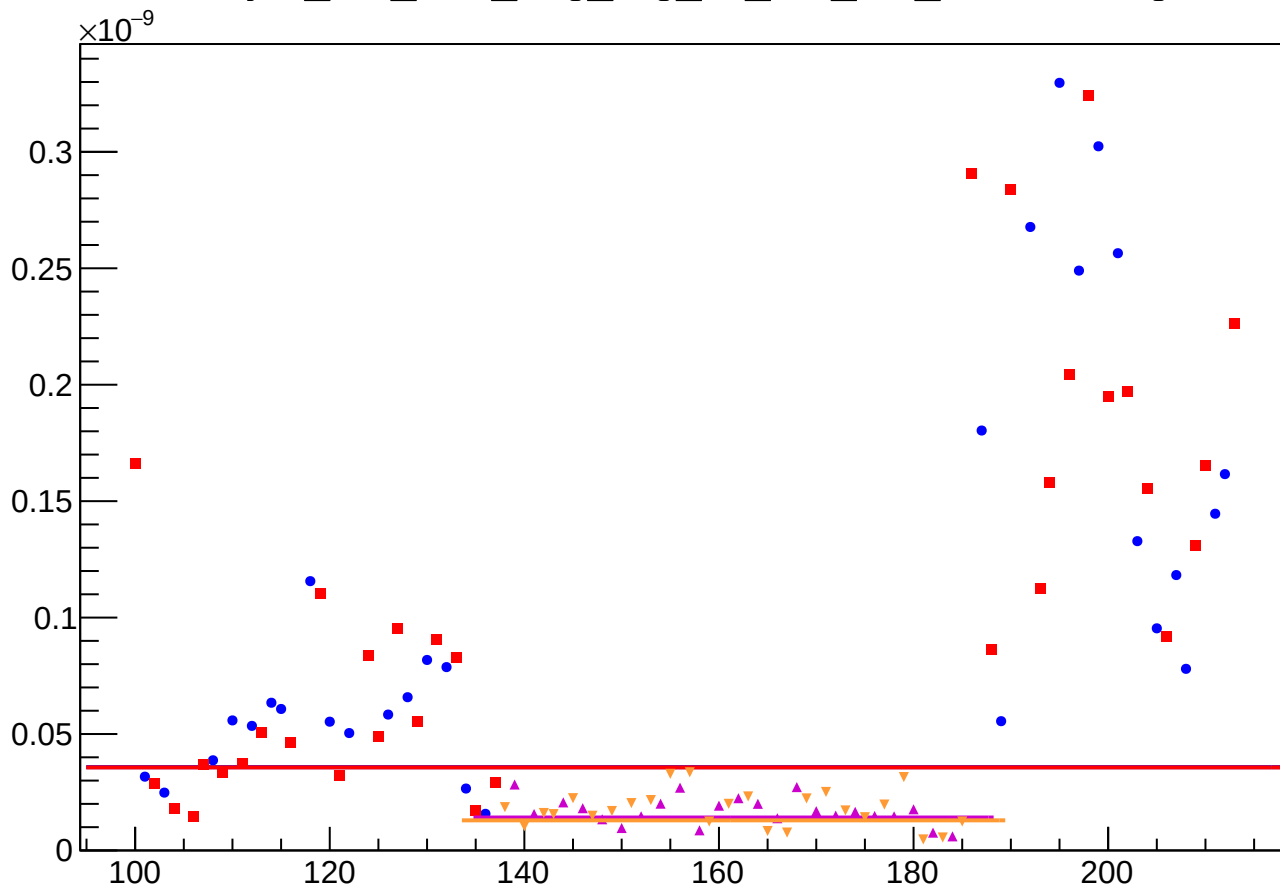
Left In: 0.000 ± 0.000 χ^2/NDF : 27.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 75.3/53

All: 0.000 ± 0.000 χ^2/NDF : 145.8/109

- sign 0.000 ± 0.000 χ^2/NDF : 70.1/55

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7338988.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7785952.7/32

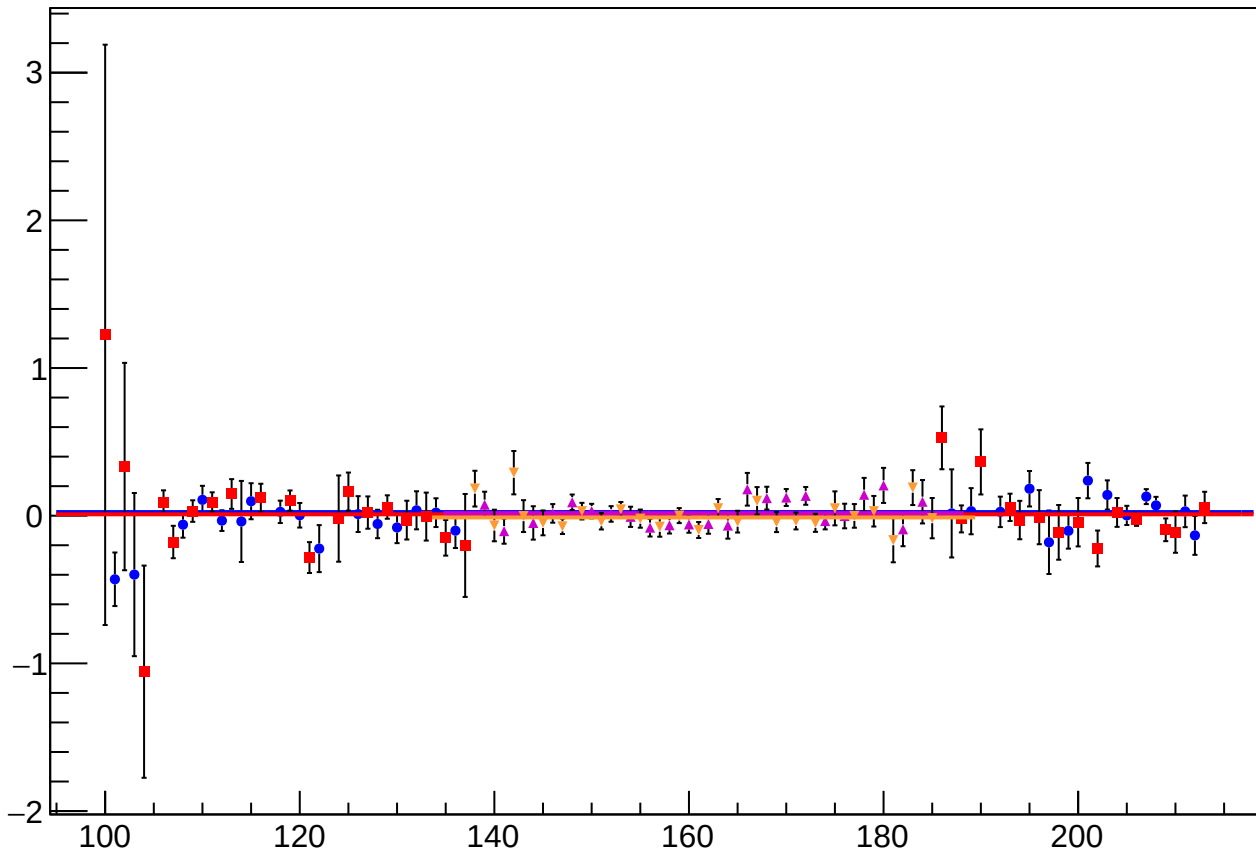
Left In: 0.000+/-0.000 χ^2/NDF : 1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12993775.7/53

All: 0.000+/-0.000 χ^2/NDF : 24782431.9/109

- sign 0.000+/-0.000 χ^2/NDF : 11733586.3/55

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025 ± 0.018 χ^2/NDF : 29.7/28

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.009 ± 0.018 χ^2/NDF : 41.9/32

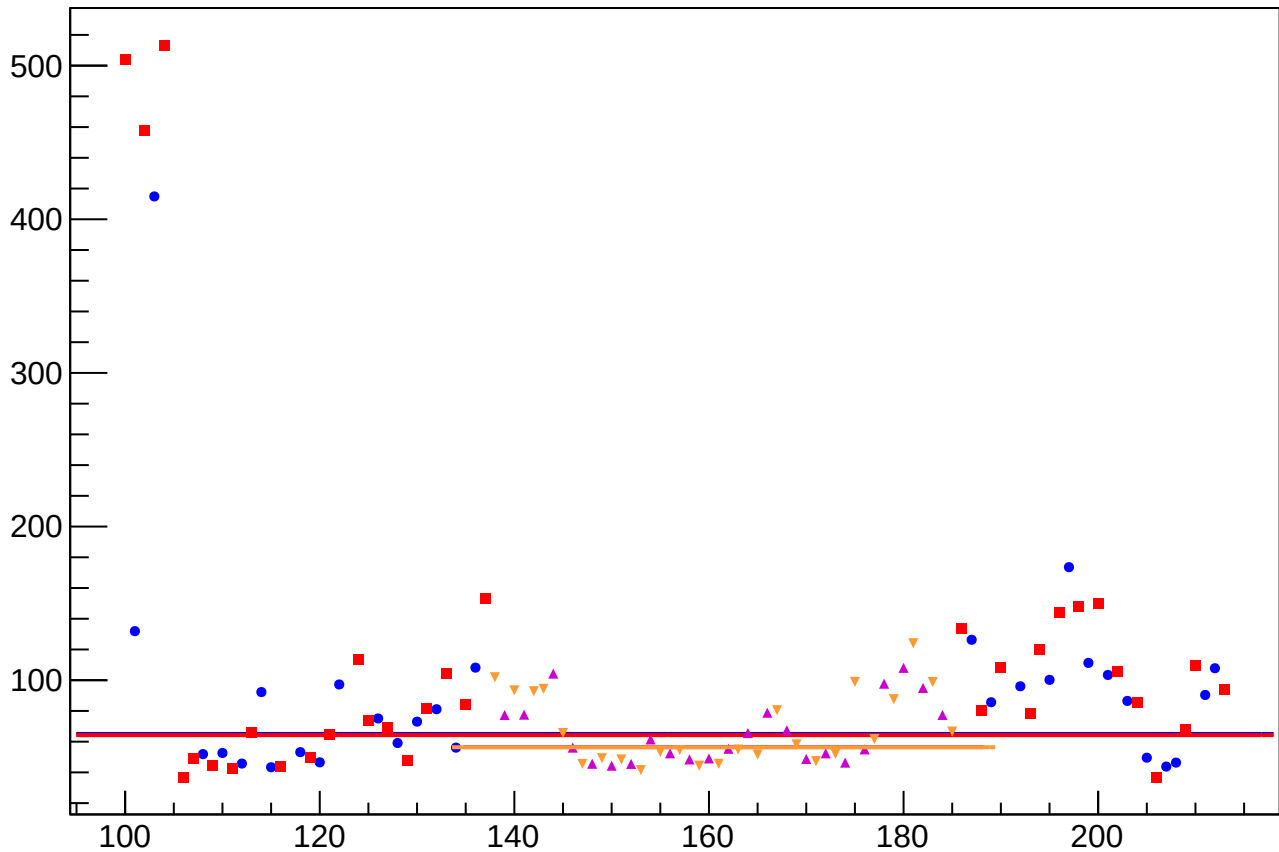
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.002 ± 0.011 χ^2/NDF : 54.0/53

All: 0.008 ± 0.008 χ^2/NDF : 127.2/109

- sign 0.014 ± 0.011 χ^2/NDF : 72.6/55

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.035 $\pm$ 0.013 χ^2/NDF : 4538903.1/28

Left Out: 56.374 $\pm$ 0.010 χ^2/NDF : 2797305.0/24

Right Out: 64.249 $\pm$ 0.013 χ^2/NDF : 6404786.1/32

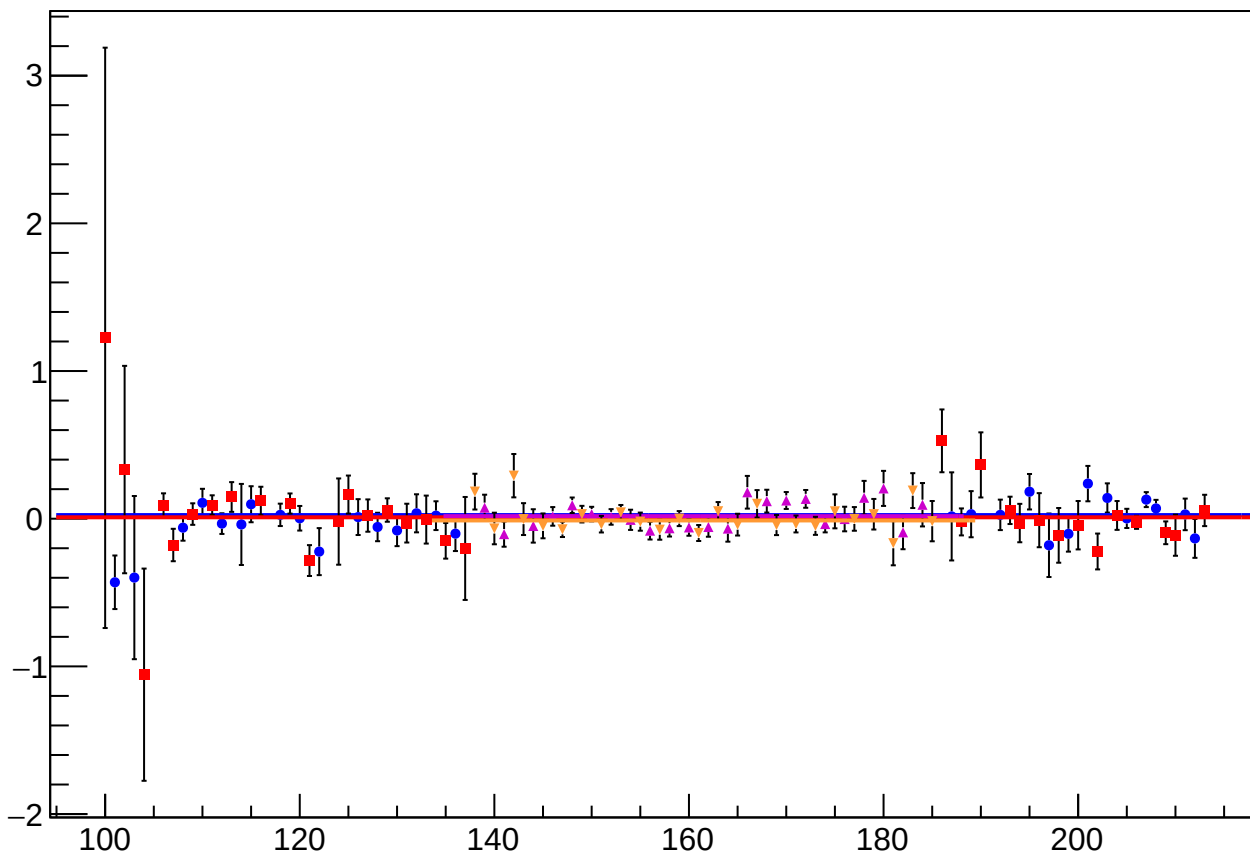
Left In: 56.467 $\pm$ 0.010 χ^2/NDF : 2140078.8/22

+ sign 59.648 $\pm$ 0.008 χ^2/NDF : 7612936.9/53

All: 59.585 $\pm$ 0.006 χ^2/NDF : 16384529.3/109

- sign 59.522 $\pm$ 0.008 χ^2/NDF : 8771468.5/55

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025 $\pm$ 0.018 χ^2 /NDF: 29.7/28

Left Out: -0.012 $\pm$ 0.014 χ^2 /NDF:21.8/24

Right Out: 0.009 $\pm$ 0.018 χ^2 /NDF: 41.9/32

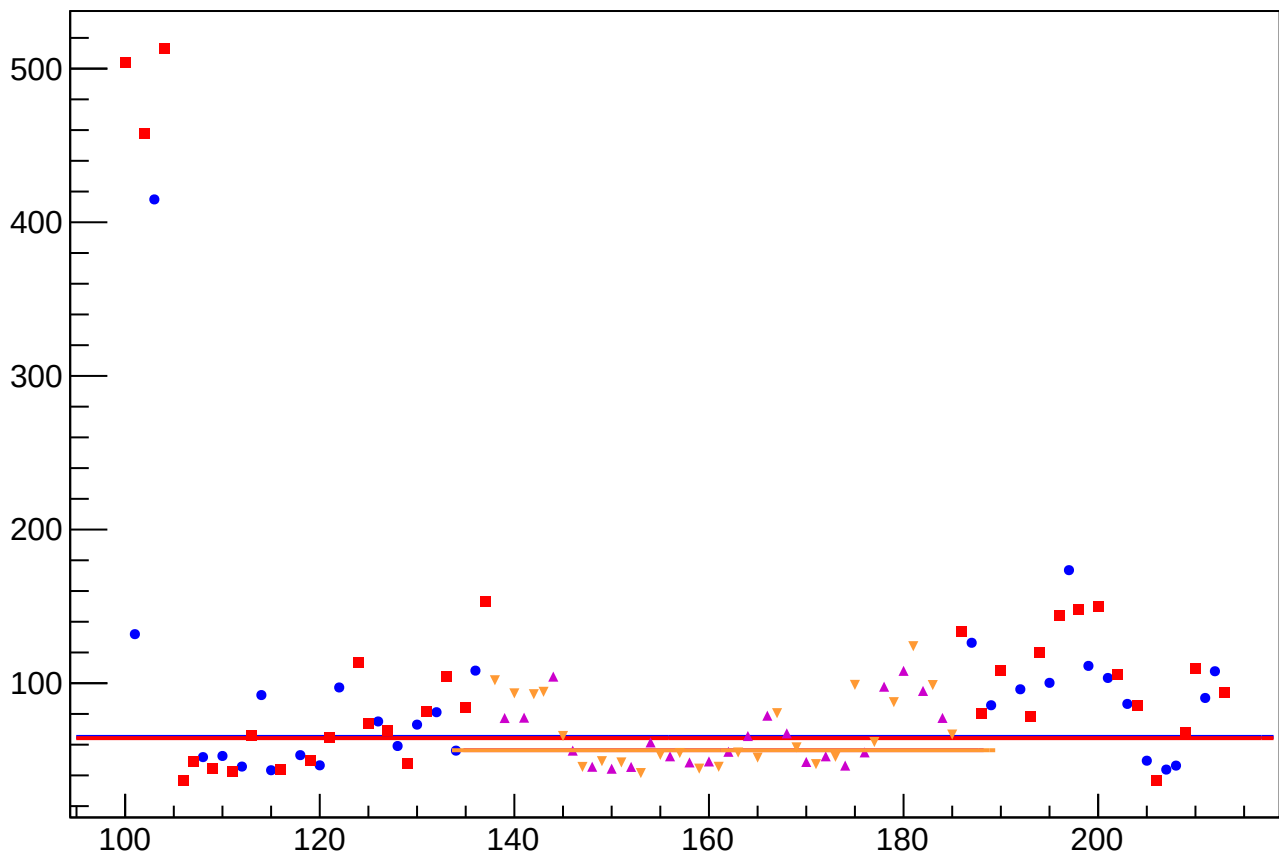
Left In: 0.017 $\pm$ 0.014 χ^2 /NDF:30.6/22

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 54.0/53

All: 0.008 $\pm$ 0.008 χ^2 /NDF: 127.2/109

- sign 0.014 $\pm$ 0.011 χ^2 /NDF: 72.6/55

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.035 $\pm$ 0.013 χ^2 /NDF: 4538903.1/28

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 64.249 $\pm$ 0.013 χ^2 /NDF: 6404786.1/32

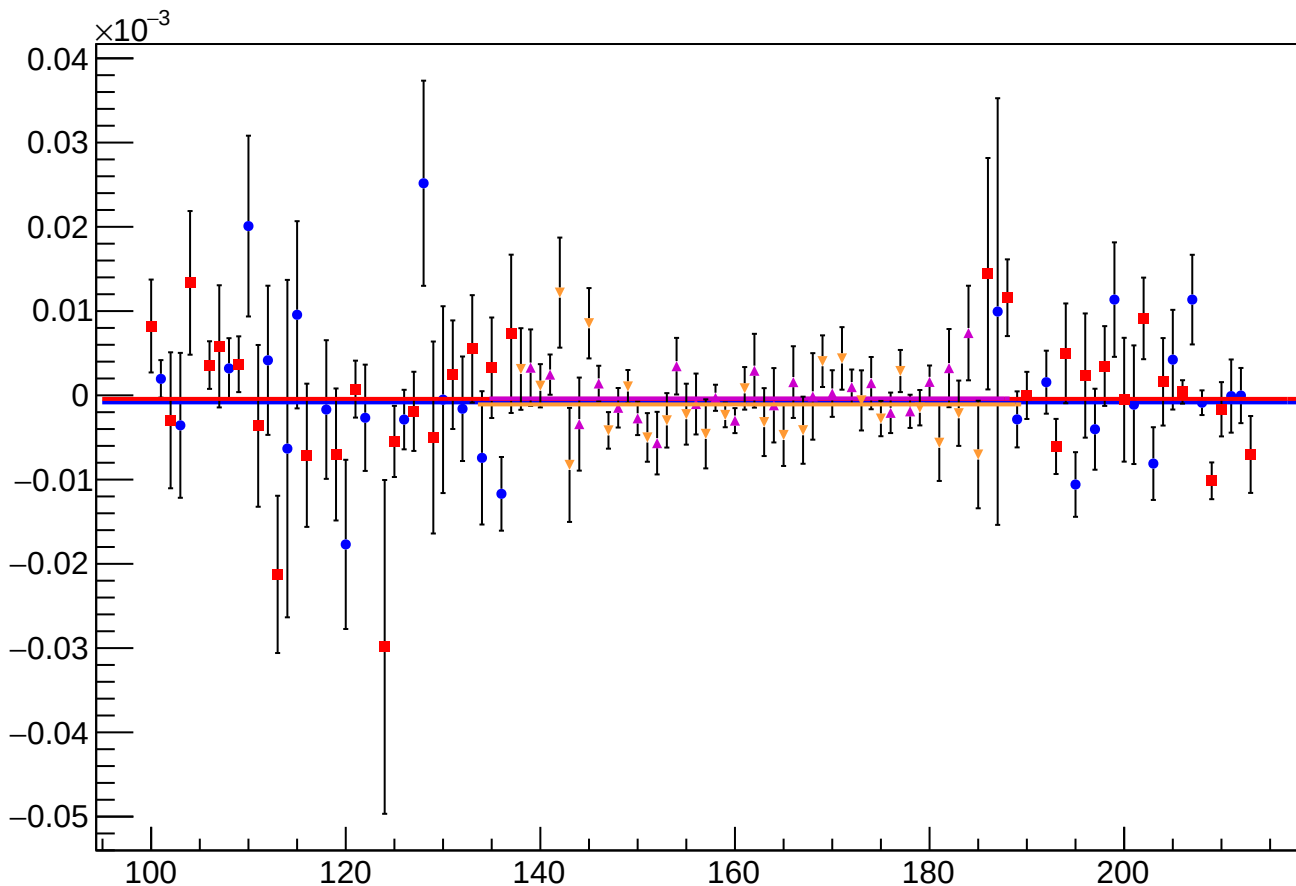
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 59.648 $\pm$ 0.008 χ^2 /NDF: 7612936.9/53

All: 59.585 $\pm$ 0.006 χ^2 /NDF: 16384529.3/109

- sign 59.522 $\pm$ 0.008 χ^2 /NDF: 8771468.5/55

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 42.7/28

Left Out: -0.000+/-0.000 χ^2 /NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 61.3/32

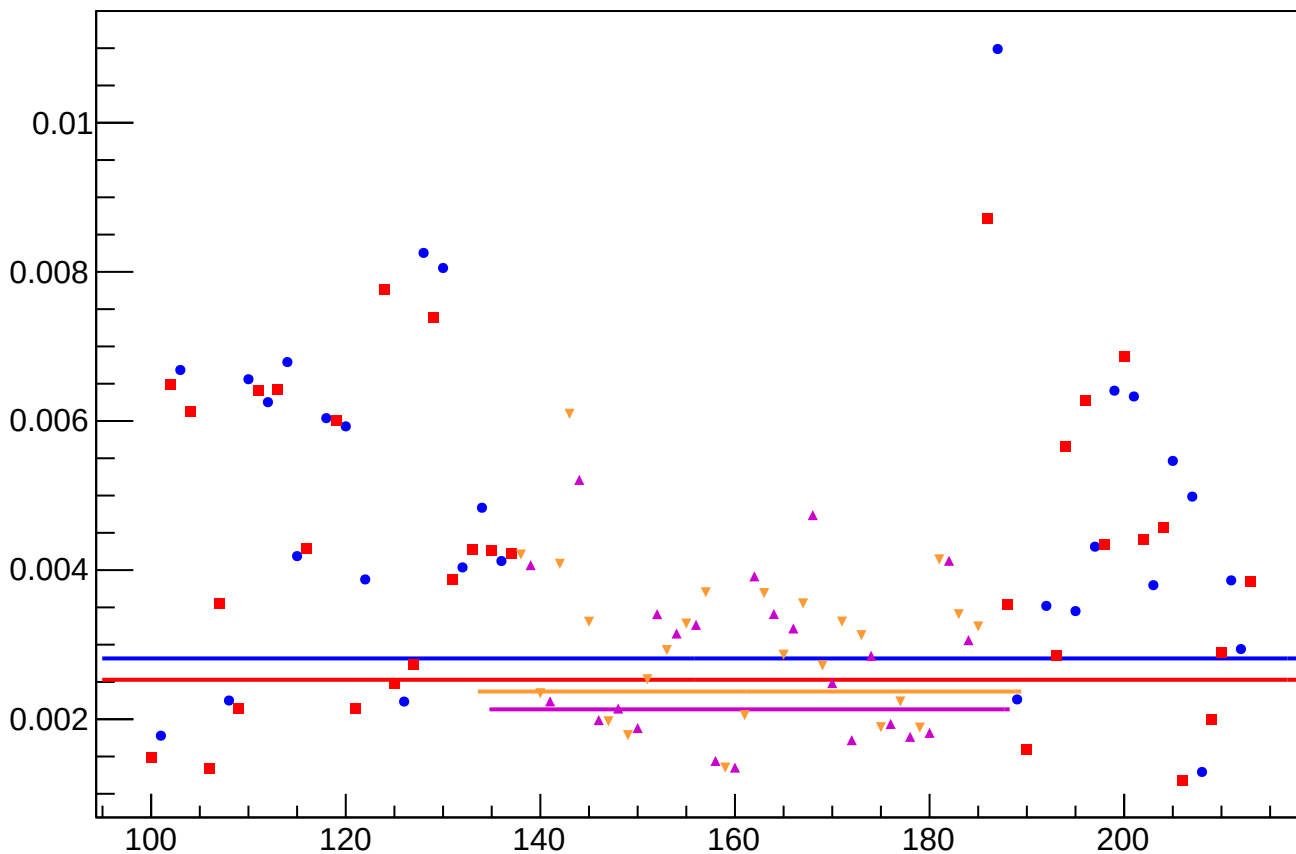
Left In: -0.000+/-0.000 χ^2 /NDF:17.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 74.3/53

All: -0.000+/-0.000 χ^2 /NDF: 154.0/109

- sign -0.000+/-0.000 χ^2 /NDF: 78.8/55

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 8142105.3/28$

Left Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4161142.1/24$

Right Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 9130013.7/32$

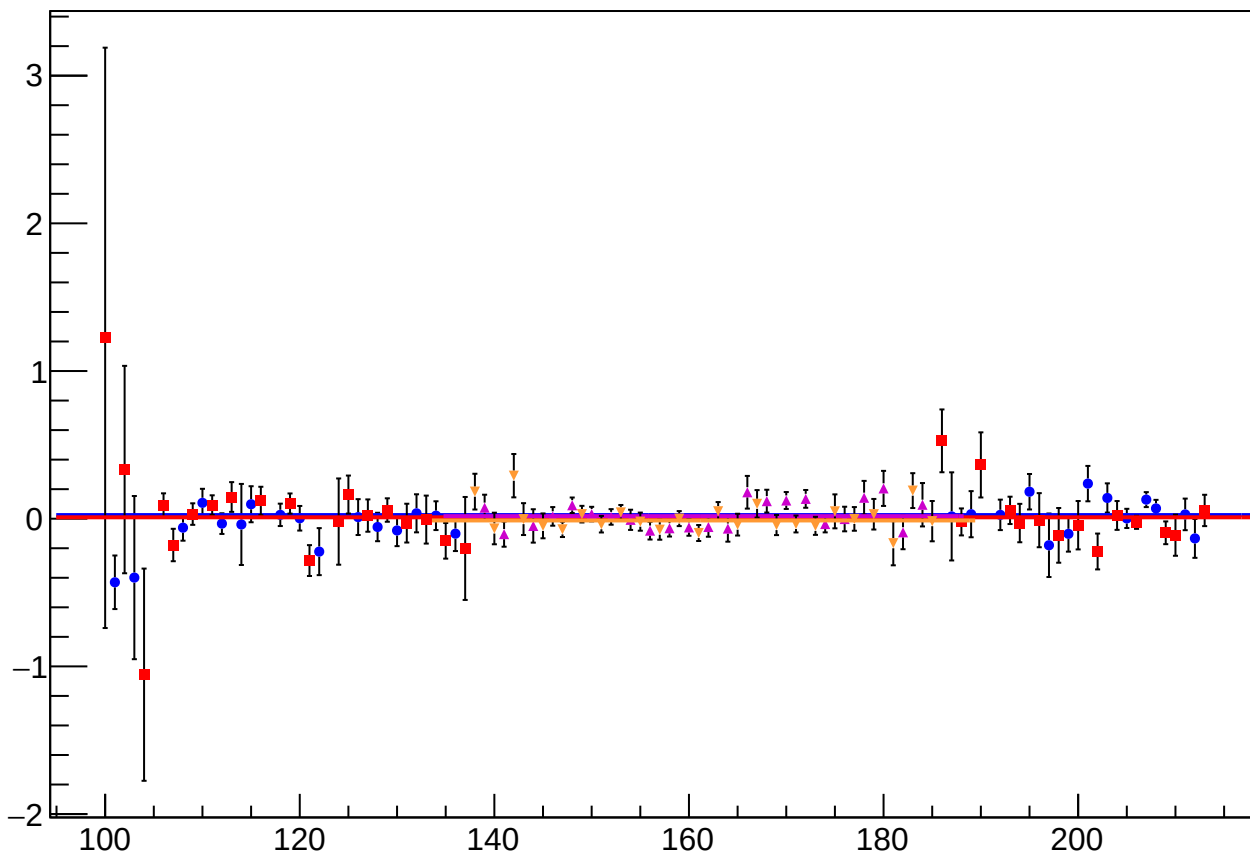
Left In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 4521223.3/22$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 12713745.6/53$

All: 0.002 ± 0.000 $\chi^2/\text{NDF}: 27074923.4/109$

- sign 0.002 ± 0.000 $\chi^2/\text{NDF}: 14047532.3/55$

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025 ± 0.018 χ^2/NDF : 29.7/28

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.009 ± 0.018 χ^2/NDF : 41.9/32

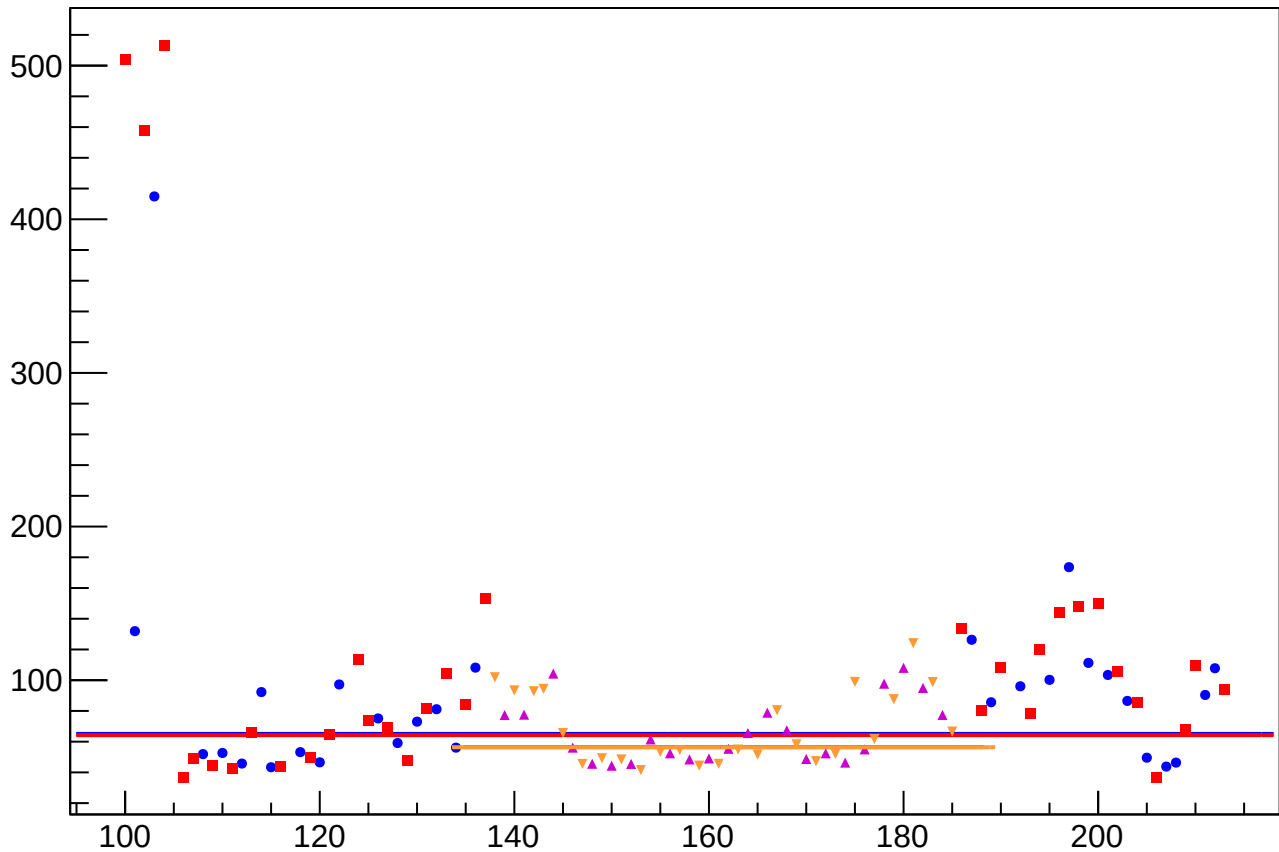
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign 0.002 ± 0.011 χ^2/NDF : 54.0/53

All: 0.008 ± 0.008 χ^2/NDF : 127.2/109

- sign 0.014 ± 0.011 χ^2/NDF : 72.6/55

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.034 $\pm$ 0.013 χ^2 /NDF: 4538858.6/28

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 64.248 $\pm$ 0.013 χ^2 /NDF: 6404831.6/32

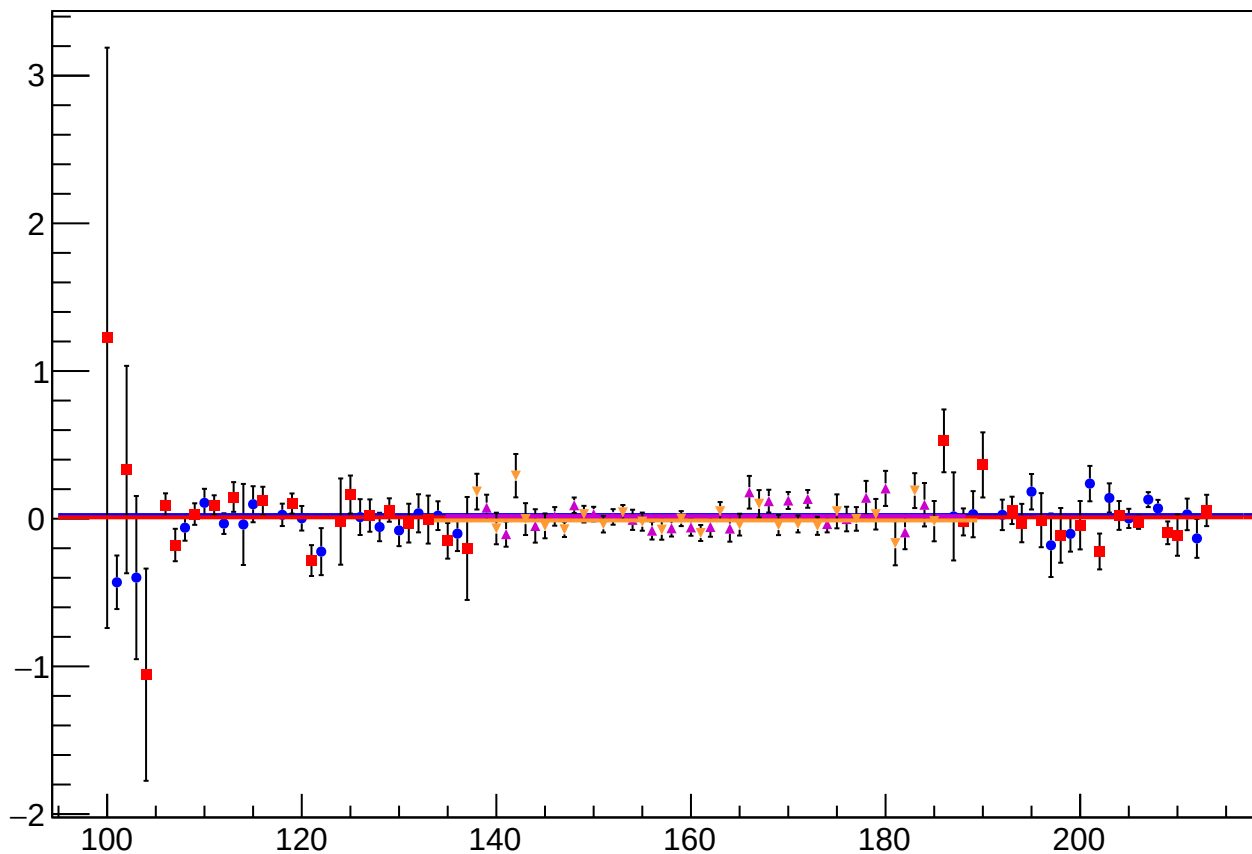
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 59.648 $\pm$ 0.008 χ^2 /NDF: 7612934.4/53

All: 59.585 $\pm$ 0.006 χ^2 /NDF: 16384518.3/109

- sign 59.522 $\pm$ 0.008 χ^2 /NDF: 8771459.8/55

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025 $\pm$ 0.018 χ^2 /NDF: 29.7/28

Left Out: -0.012 $\pm$ 0.014 χ^2 /NDF:21.8/24

Right Out: 0.009 $\pm$ 0.018 χ^2 /NDF: 41.9/32

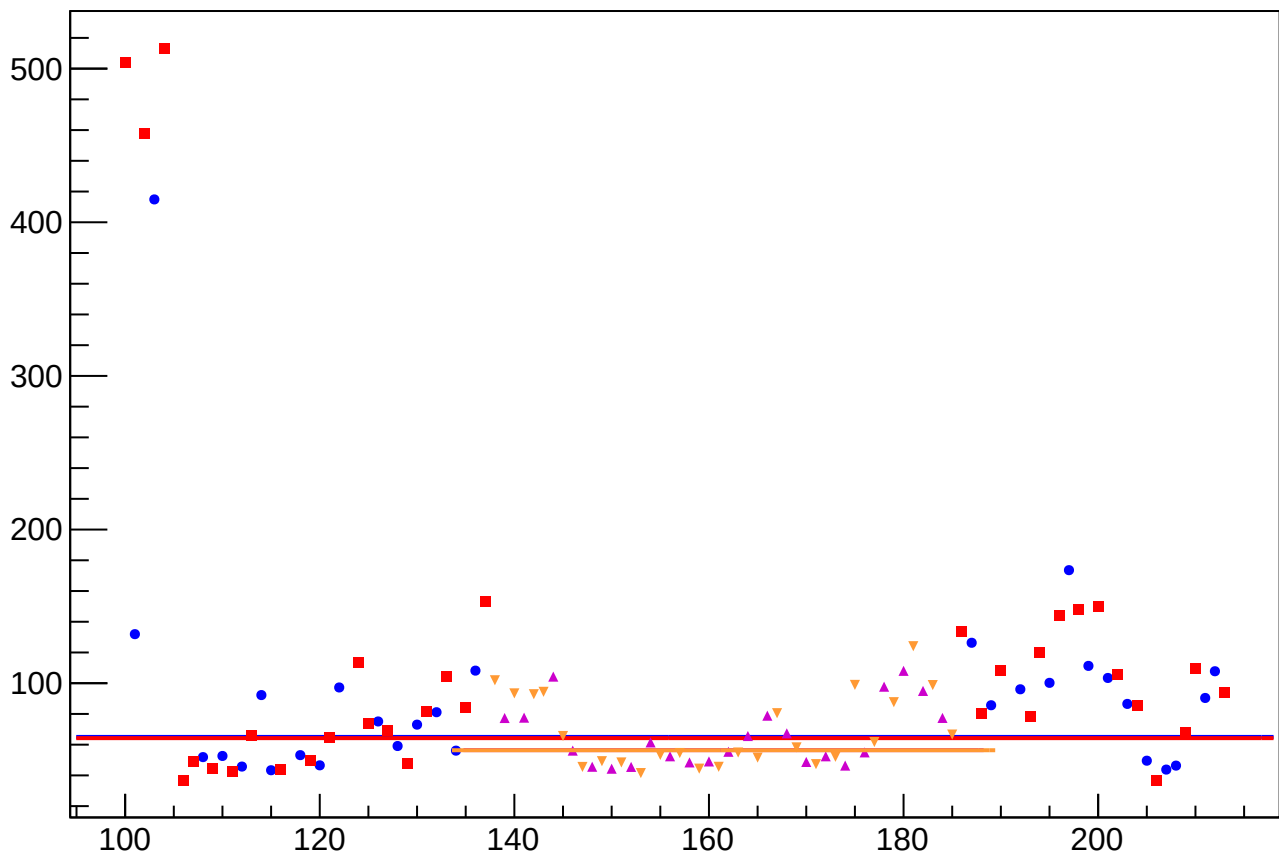
Left In: 0.017 $\pm$ 0.014 χ^2 /NDF:30.6/22

+ sign 0.002 $\pm$ 0.011 χ^2 /NDF: 54.0/53

All: 0.008 $\pm$ 0.008 χ^2 /NDF: 127.2/109

- sign 0.014 $\pm$ 0.011 χ^2 /NDF: 72.6/55

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.034 $\pm$ 0.013 χ^2 /NDF: 4538858.6/28

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 64.248 $\pm$ 0.013 χ^2 /NDF: 6404831.6/32

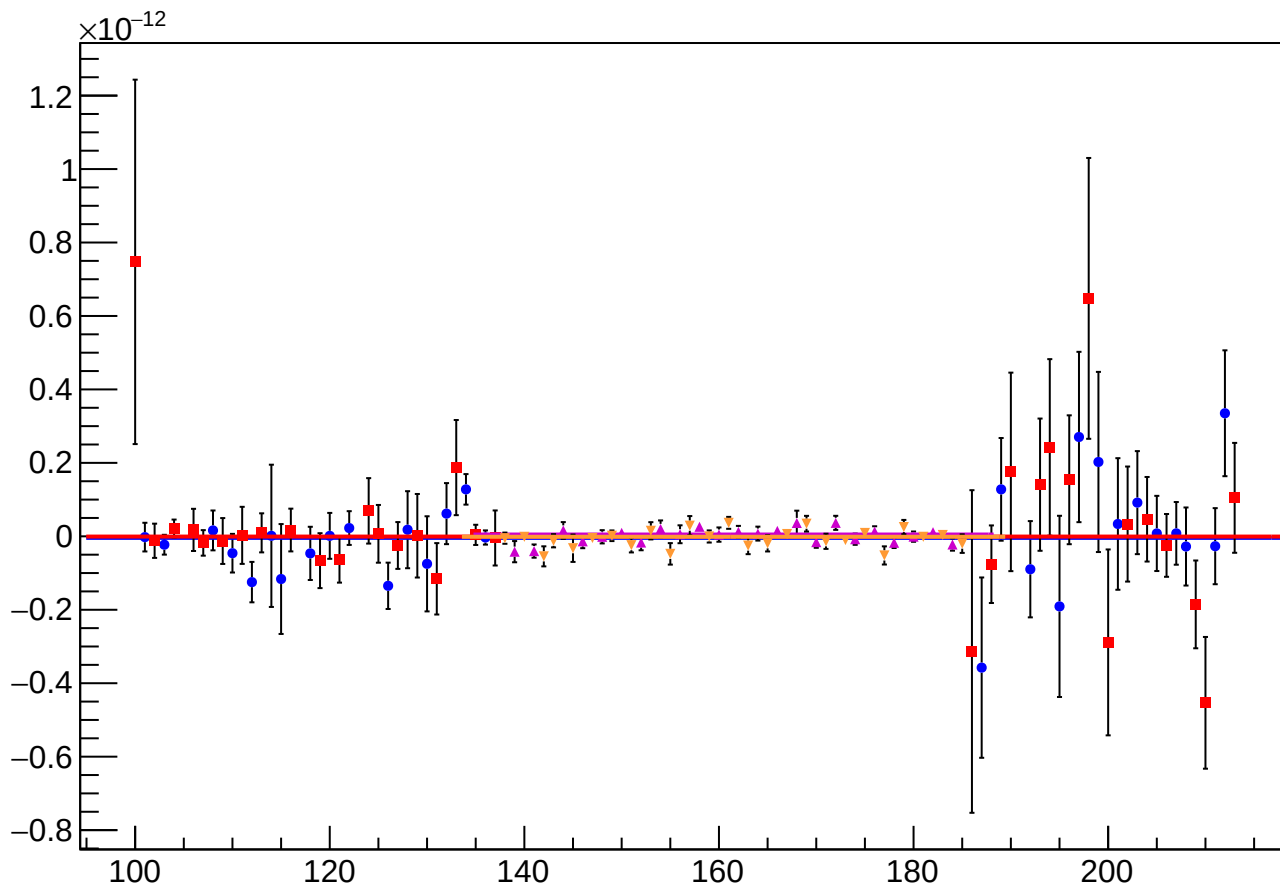
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 59.648 $\pm$ 0.008 χ^2 /NDF: 7612934.4/53

All: 59.585 $\pm$ 0.006 χ^2 /NDF: 16384518.3/109

- sign 59.522 $\pm$ 0.008 χ^2 /NDF: 8771459.8/55

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 33.3/28

Left Out: -0.000+/-0.000 χ^2/NDF : 29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 27.3/32

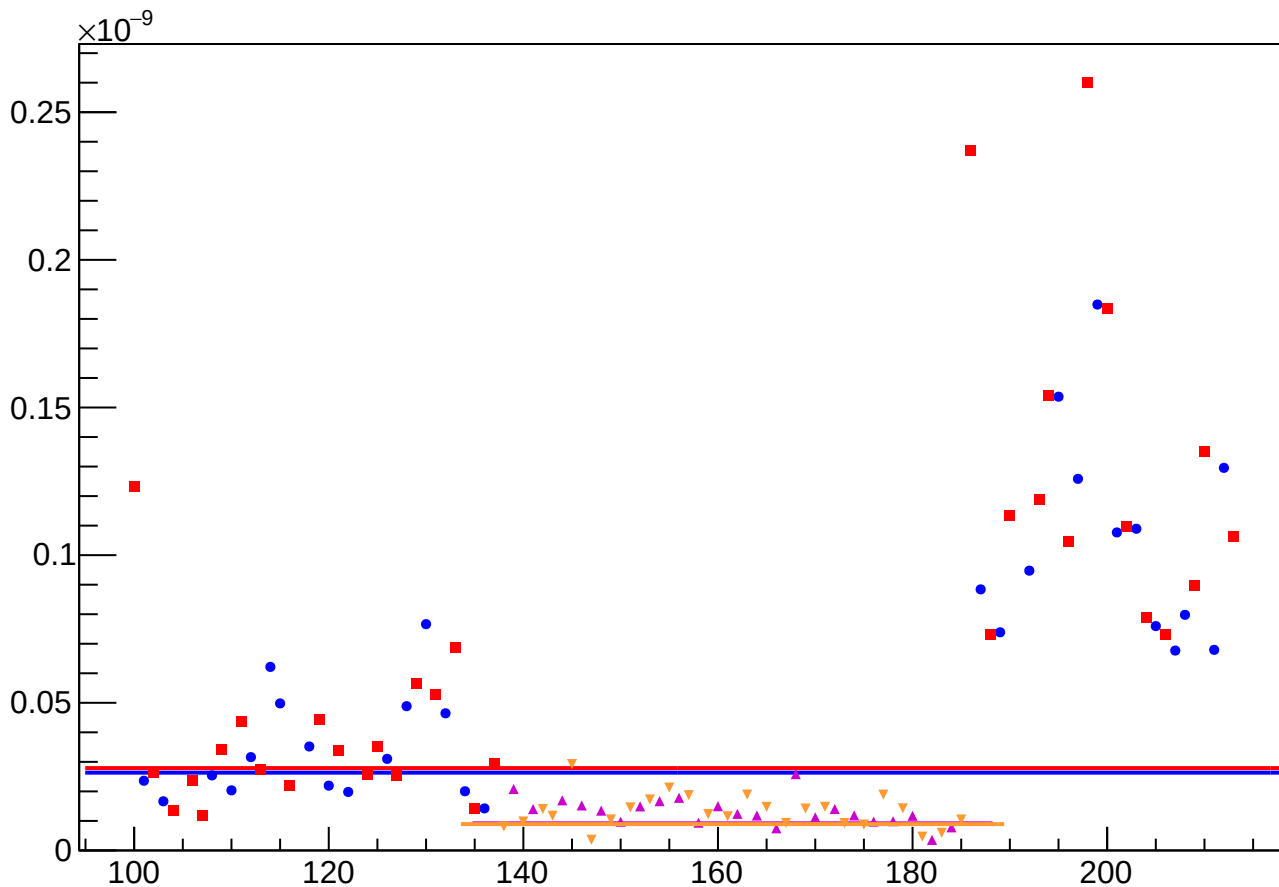
Left In: 0.000+/-0.000 χ^2/NDF : 28.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 63.0/53

All: 0.000+/-0.000 χ^2/NDF : 121.0/109

- sign 0.000+/-0.000 χ^2/NDF : 55.9/55

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8100330.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9678584.0/32

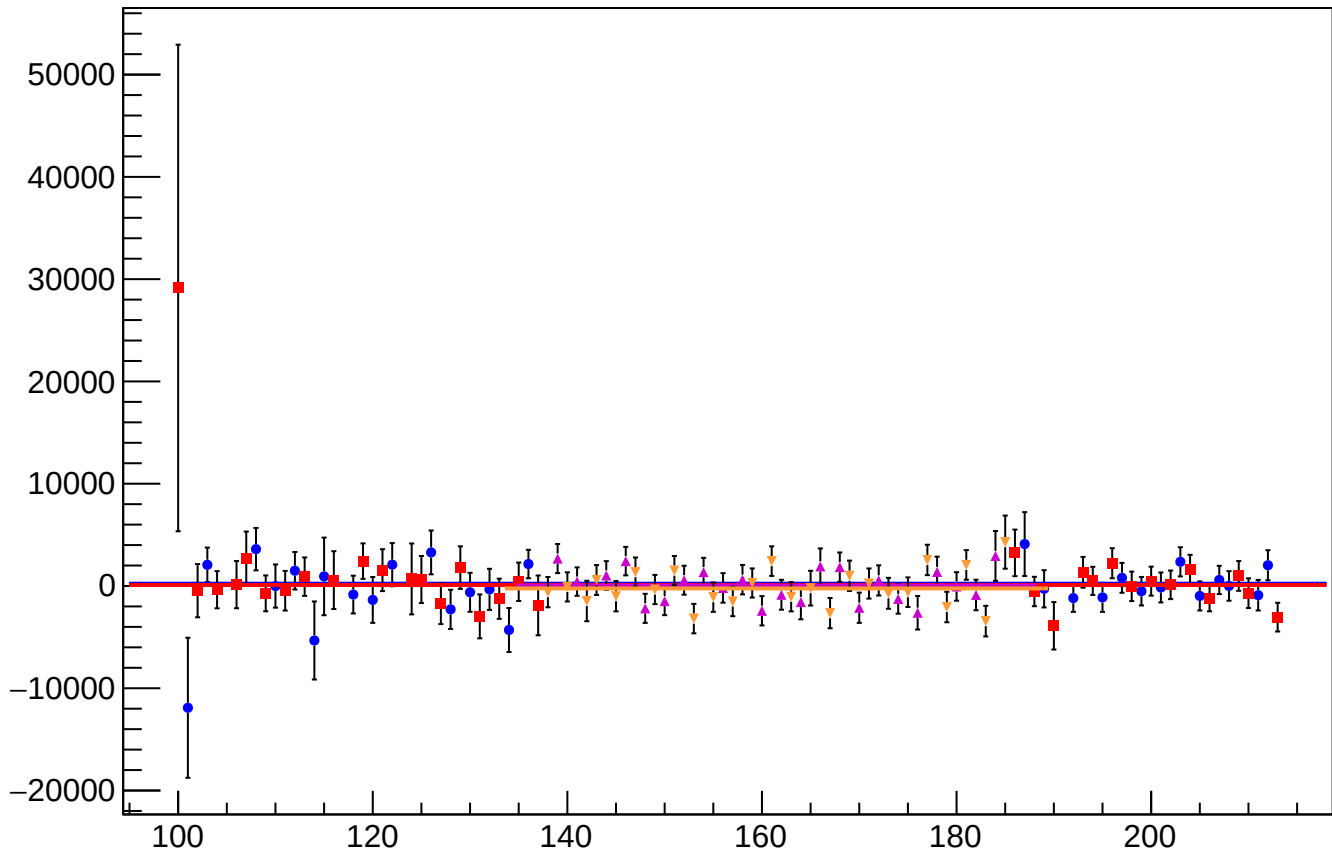
Left In: 0.000+/-0.000 χ^2/NDF : 5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 18004105.8/53

All: 0.000+/-0.000 χ^2/NDF : 37796588.7/109

- sign 0.000+/-0.000 χ^2/NDF : 19781709.1/55

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 221.999 $\pm$ 323.799 χ^2 /NDF: 30.8/28

Left Out: -240.873 $\pm$ 300.008 χ^2 /NDF:31.7/24

Right Out: 93.584 $\pm$ 311.488 χ^2 /NDF: 25.7/32

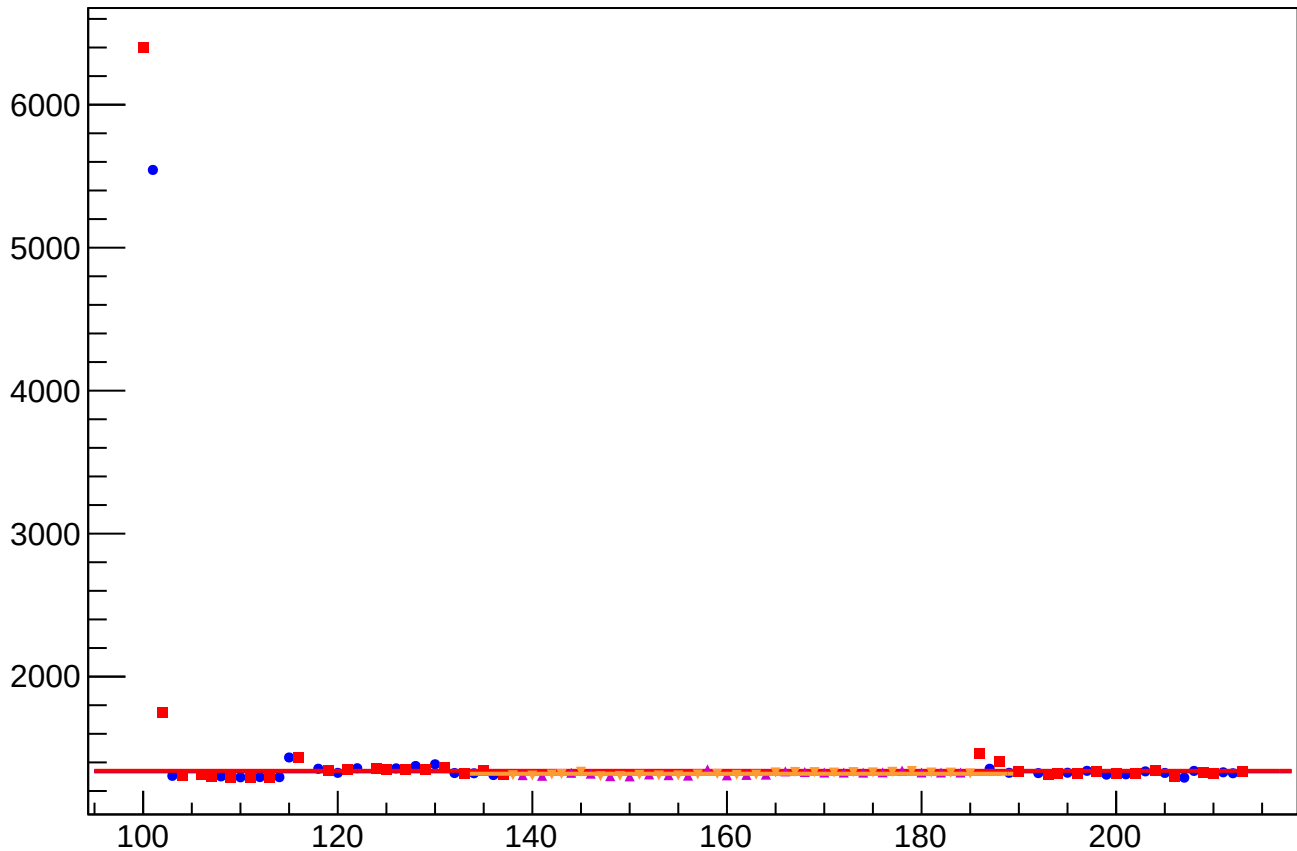
Left In: 39.122 $\pm$ 308.622 χ^2 /NDF:27.1/22

+ sign -27.065 $\pm$ 220.068 χ^2 /NDF: 63.7/53

All: 19.695 $\pm$ 155.316 χ^2 /NDF: 116.6/109

- sign 66.101 $\pm$ 219.235 χ^2 /NDF: 52.9/55

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.656+/-0.229 χ^2/NDF : 766648.6/28

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1341.156+/-0.220 χ^2/NDF : 161951.8/32

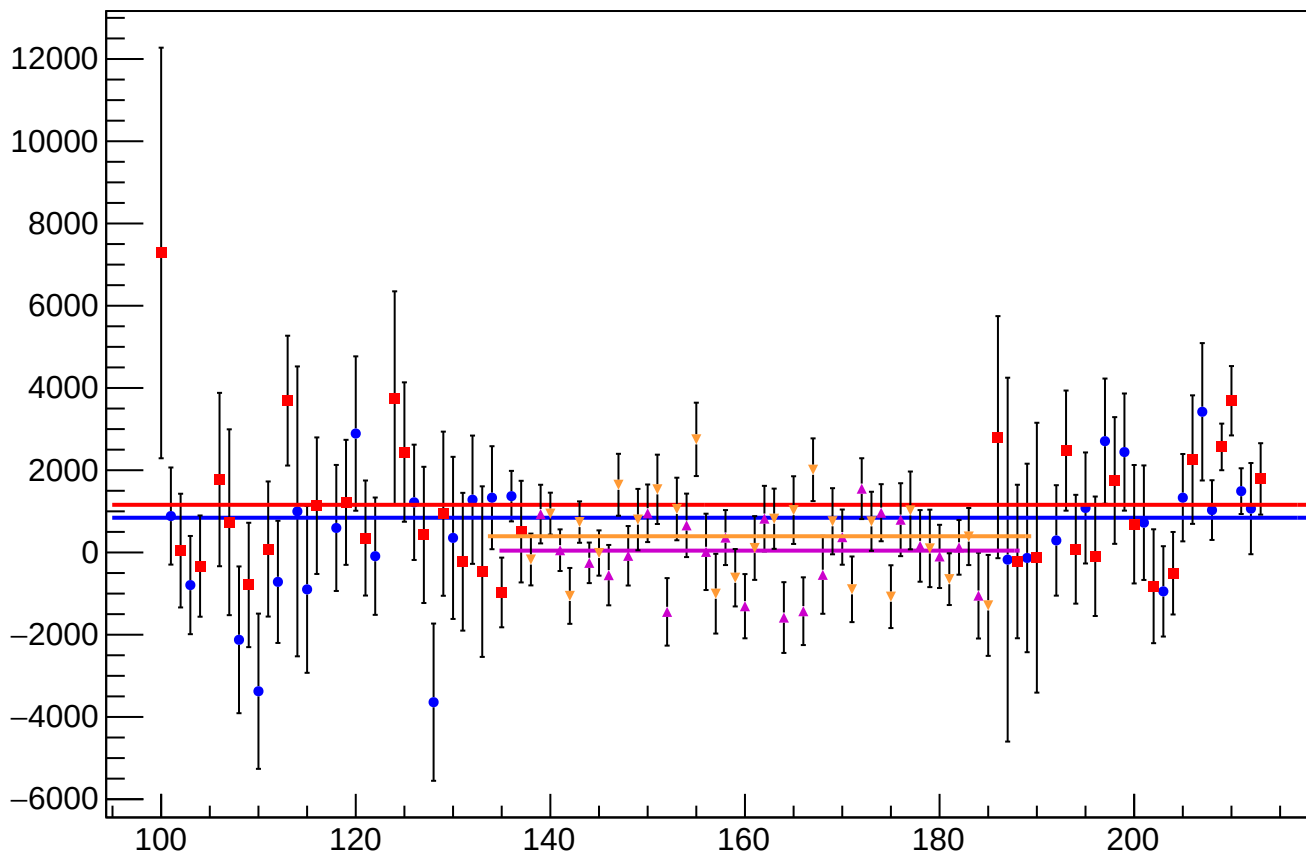
Left In: 1321.782+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1328.554+/-0.156 χ^2/NDF : 772188.0/53

All: 1329.972+/-0.110 χ^2/NDF : 941762.7/109

- sign 1331.380+/-0.155 χ^2/NDF : 169409.2/55

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 844.410 ± 226.272 χ^2/NDF : 29.6/28

Left Out: 394.550 ± 144.562 χ^2/NDF : 41.8/24

Right Out: 1158.953 ± 231.907 χ^2/NDF : 42.9/32

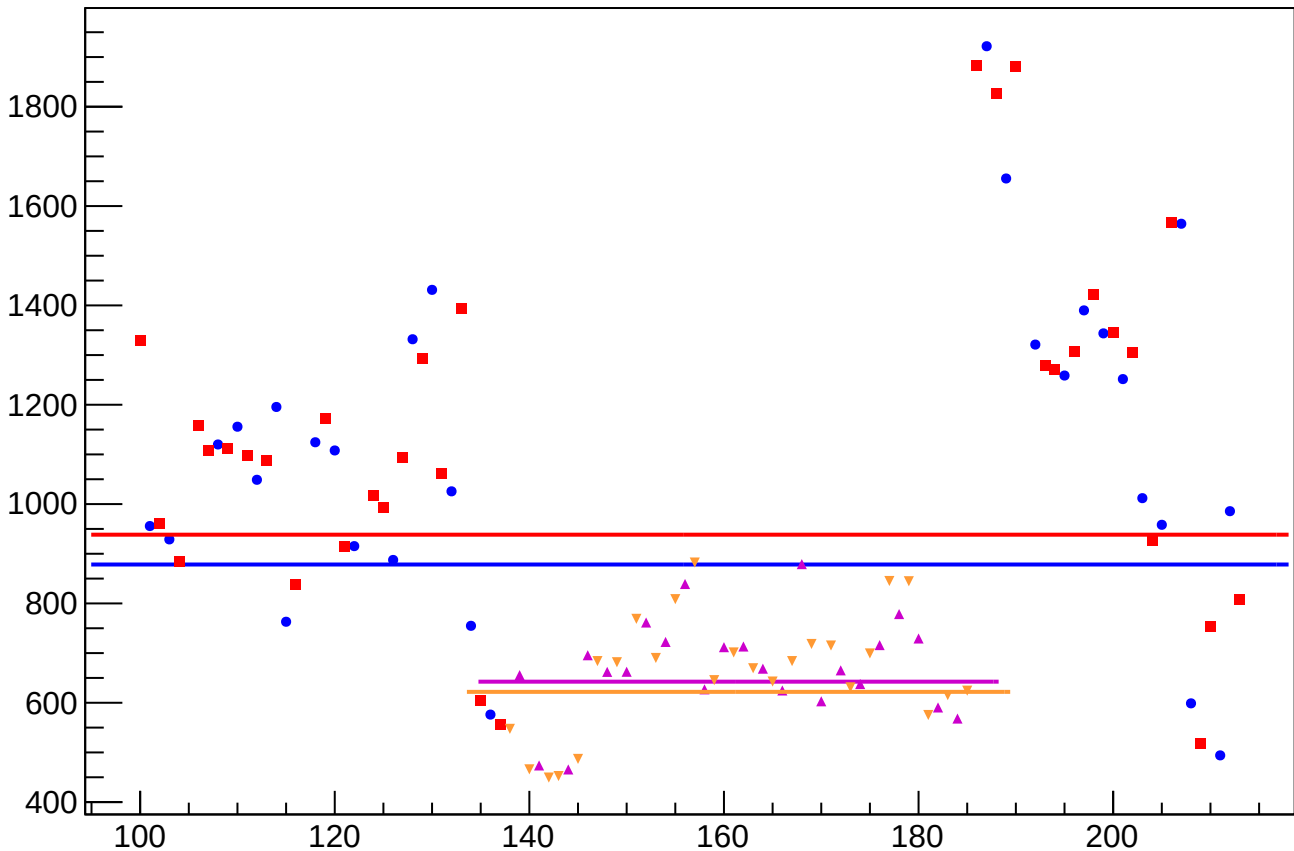
Left In: 44.777 ± 152.333 χ^2/NDF : 27.6/22

+ sign 524.947 ± 121.822 χ^2/NDF : 74.3/53

All: 455.964 ± 88.021 χ^2/NDF : 161.6/109

- sign 380.614 ± 127.321 χ^2/NDF : 86.6/55

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 878.344 ± 0.160 χ^2/NDF : 3964402.4/28

Left Out: 621.950 ± 0.102 χ^2/NDF : 1383473.2/24

Right Out: 938.388 ± 0.164 χ^2/NDF : 4112340.8/32

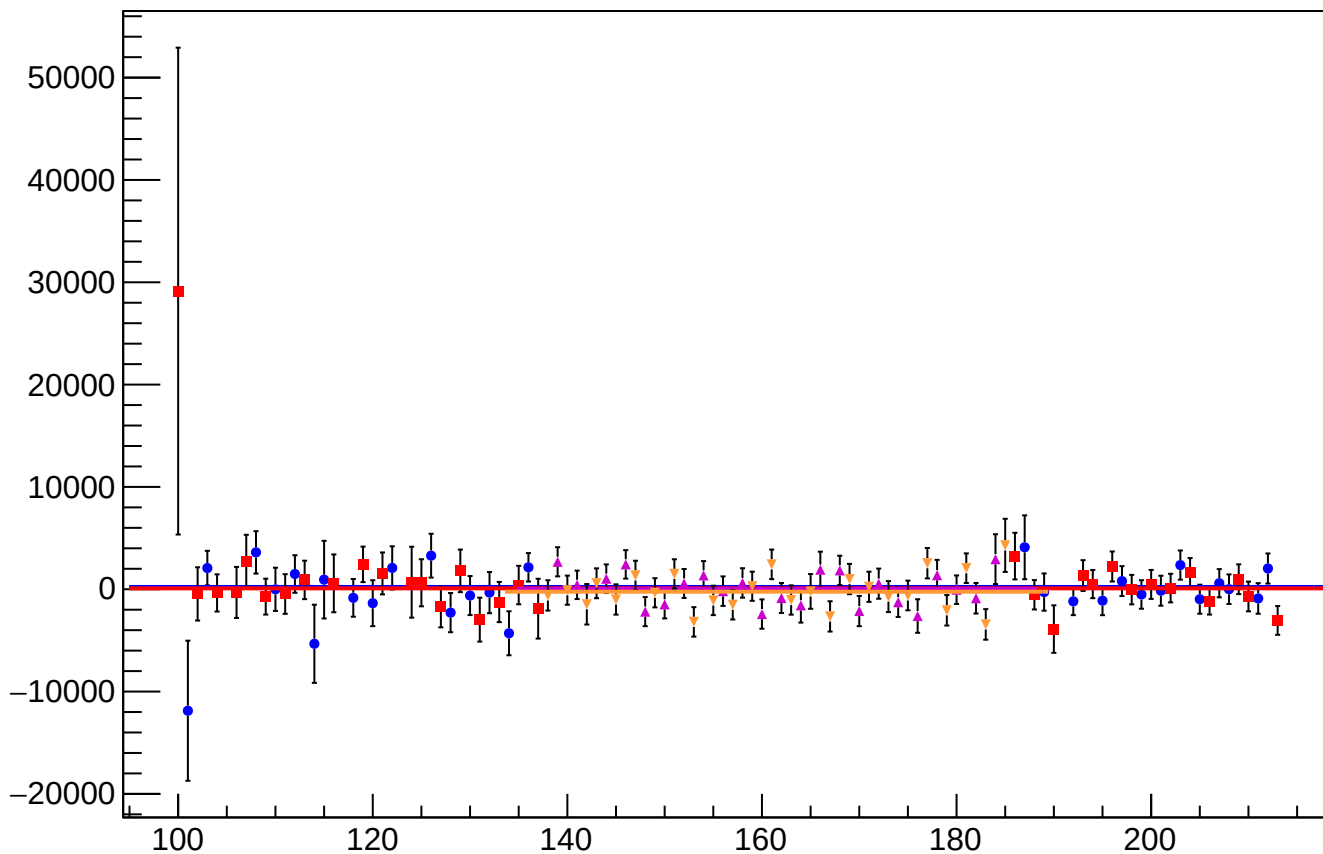
Left In: 642.470 ± 0.108 χ^2/NDF : 926330.5/22

+ sign 696.269 ± 0.086 χ^2/NDF : 7171461.3/53

All: 713.186 ± 0.062 χ^2/NDF : 14565724.0/10

- sign 731.666 ± 0.090 χ^2/NDF : 7313558.7/55

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 222.116+/-323.799 χ^2/NDF : 30.8/28

Left Out: -240.875+/-300.008 χ^2/NDF :31.7/24

Right Out: 86.675+/-311.898 χ^2/NDF : 25.8/32

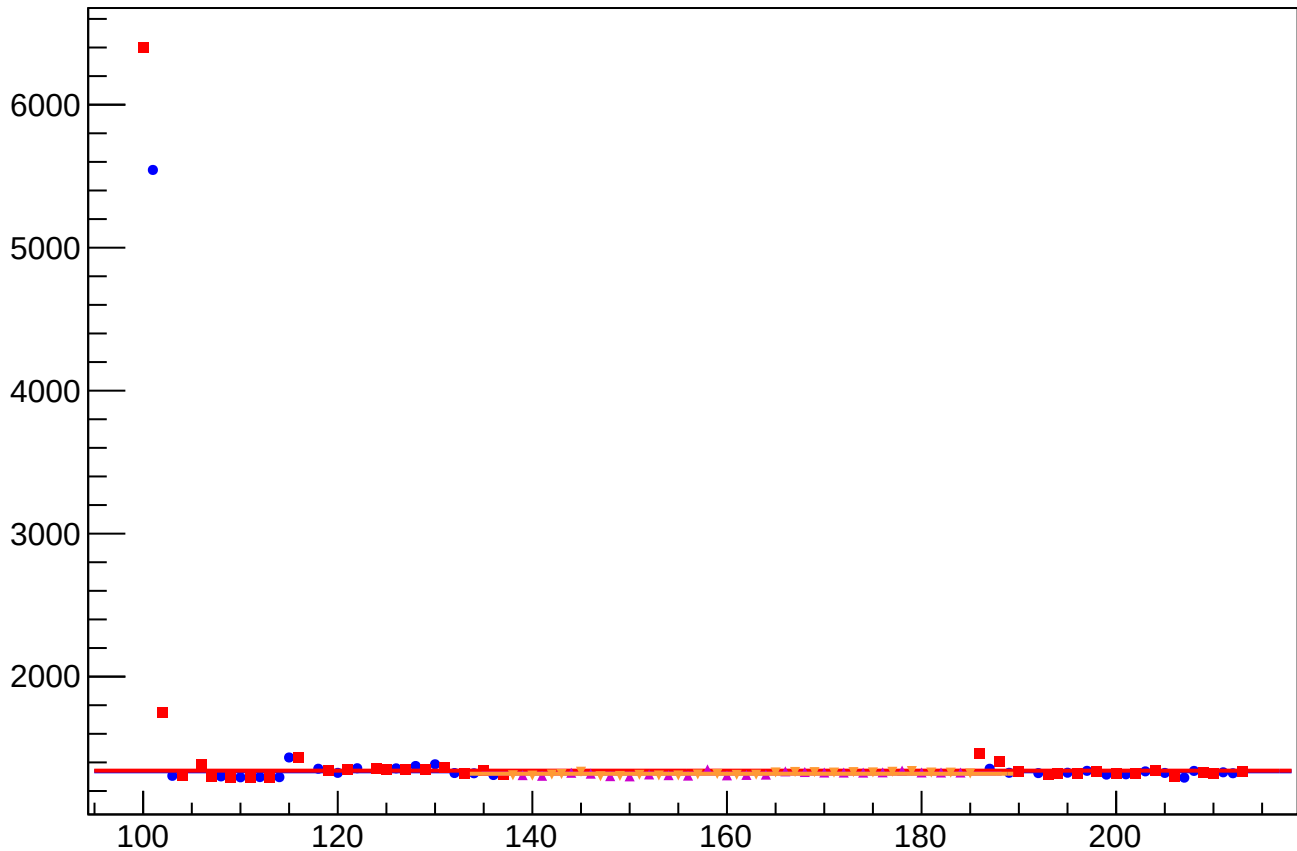
Left In: 39.193+/-308.622 χ^2/NDF :27.1/22

+ sign -27.012+/-220.068 χ^2/NDF : 63.7/53

All: 17.977+/-155.367 χ^2/NDF : 116.6/109

- sign 62.684+/-219.378 χ^2/NDF : 52.9/55

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.656 $\pm$ 0.229 χ^2 /NDF: 766647.6/28

Left Out: 1320.740 $\pm$ 0.212 χ^2 /NDF: 2602.3/24

Right Out: 1342.332 $\pm$ 0.221 χ^2 /NDF: 162442.2/32

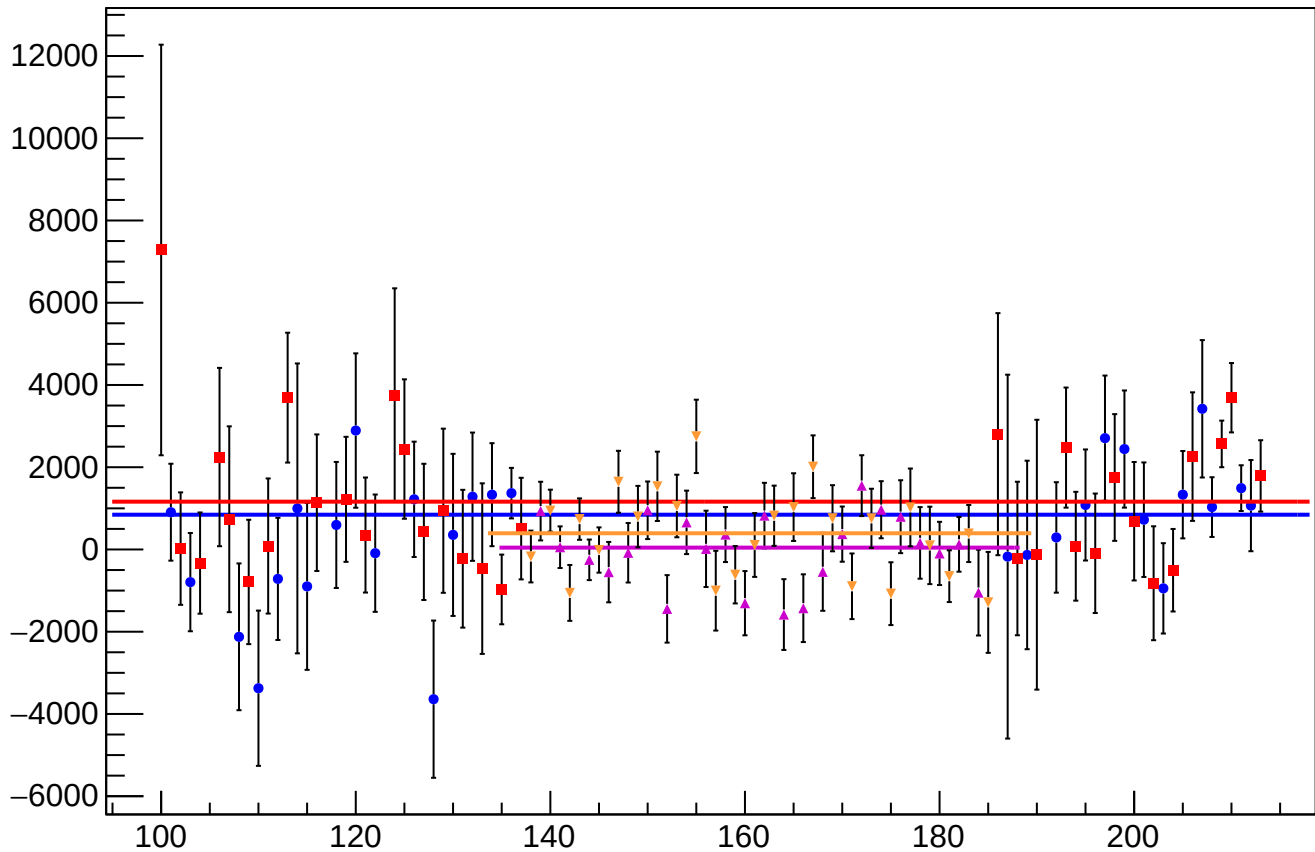
Left In: 1321.783 $\pm$ 0.218 χ^2 /NDF: 3553.3/22

+ sign 1328.554 $\pm$ 0.156 χ^2 /NDF: 772187.0/53

All: 1330.257 $\pm$ 0.110 χ^2 /NDF: 942807.9/109

- sign 1331.949 $\pm$ 0.155 χ^2 /NDF: 170382.2/55

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 845.167 ± 226.253 $\chi^2/\text{NDF}: 29.6/28$

Left Out: 394.522 ± 144.562 $\chi^2/\text{NDF}: 41.8/24$

Right Out: 1162.591 ± 231.908 $\chi^2/\text{NDF}: 43.1/32$

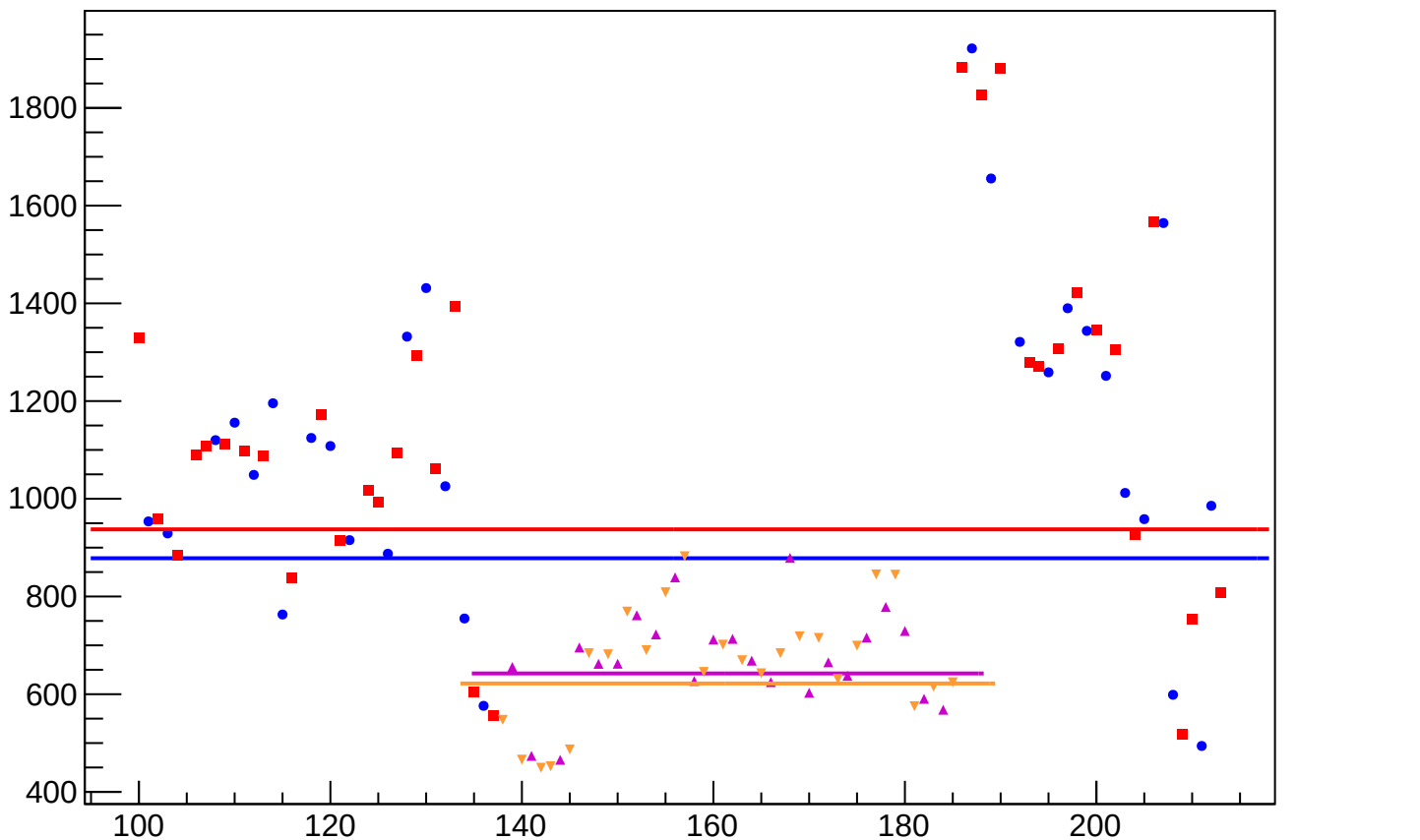
Left In: 44.766 ± 152.332 $\chi^2/\text{NDF}: 27.6/22$

+ sign 525.161 ± 121.819 $\chi^2/\text{NDF}: 74.3/53$

All: 456.596 ± 88.020 $\chi^2/\text{NDF}: 161.9/109$

- sign 381.698 ± 127.321 $\chi^2/\text{NDF}: 86.9/55$

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 878.279 $\pm$ 0.160 χ^2 /NDF: 3964105.2/28

Left Out: 621.950 $\pm$ 0.102 χ^2 /NDF:1383373.4/24

Right Out: 937.437 $\pm$ 0.164 χ^2 /NDF: 4100522.0/32

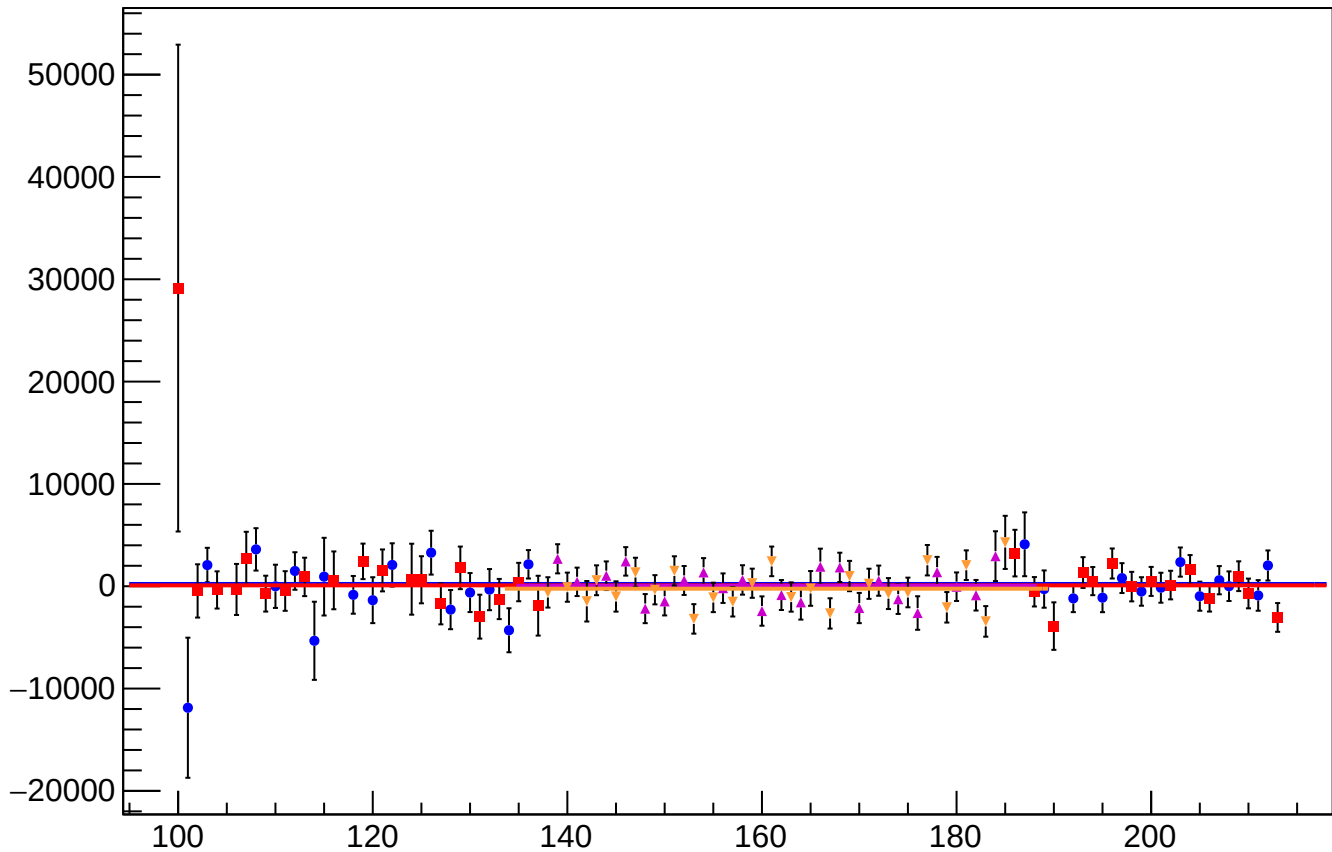
Left In: 642.465 $\pm$ 0.108 χ^2 /NDF:926376.1/22

+ sign 696.258 $\pm$ 0.086 χ^2 /NDF: 7170354.8/53

All: 713.041 $\pm$ 0.062 χ^2 /NDF: 14537038.7/10

- sign 731.375 $\pm$ 0.090 χ^2 /NDF: 7287254.3/55

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 222.116+/-323.799 χ^2/NDF : 30.8/28

Left Out: -240.875+/-300.008 χ^2/NDF :31.7/24

Right Out: 86.675+/-311.898 χ^2/NDF : 25.8/32

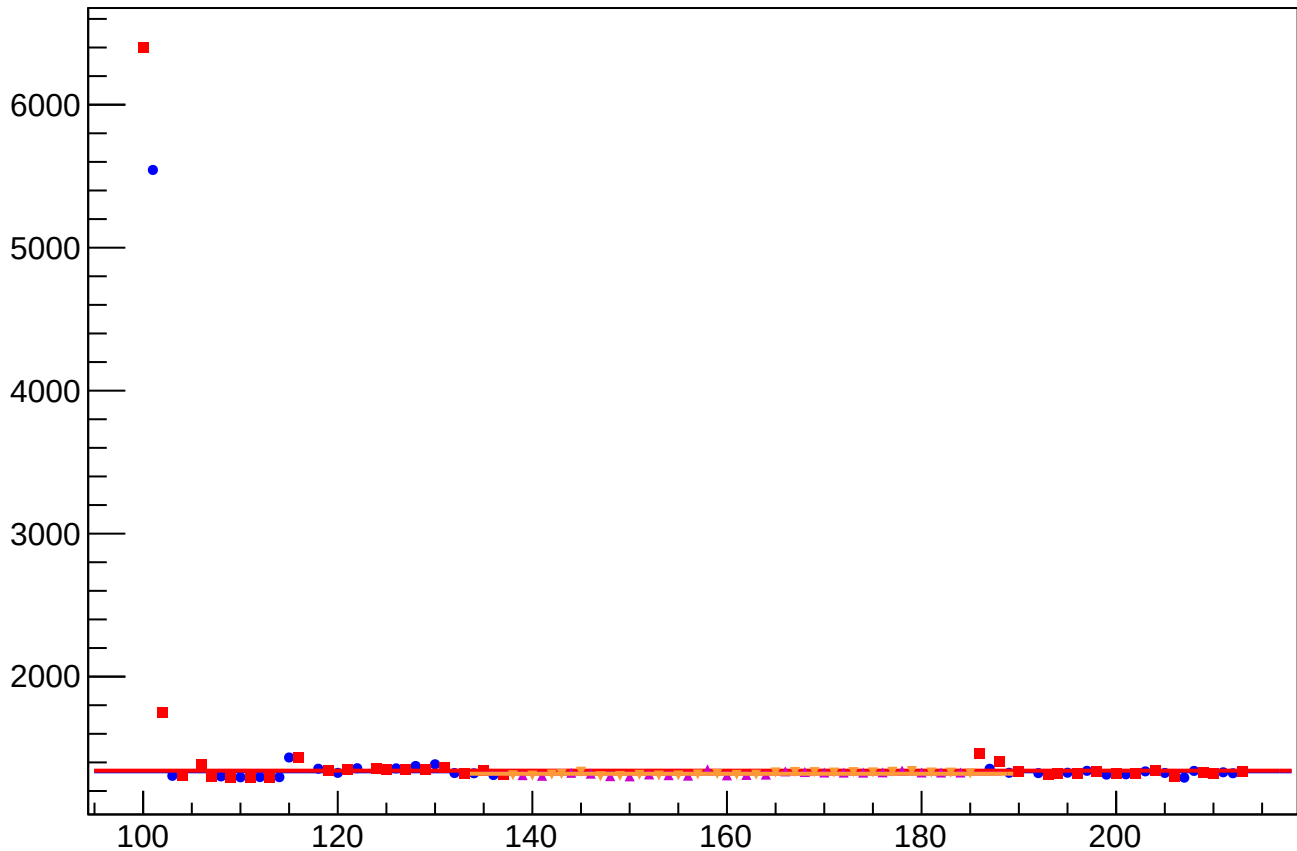
Left In: 39.193+/-308.622 χ^2/NDF :27.1/22

+ sign -27.012+/-220.068 χ^2/NDF : 63.7/53

All: 17.977+/-155.367 χ^2/NDF : 116.6/109

- sign 62.684+/-219.378 χ^2/NDF : 52.9/55

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.656 $\pm$ 0.229 χ^2 /NDF: 766647.6/28

Left Out: 1320.740 $\pm$ 0.212 χ^2 /NDF: 2602.3/24

Right Out: 1342.332 $\pm$ 0.221 χ^2 /NDF: 162442.2/32

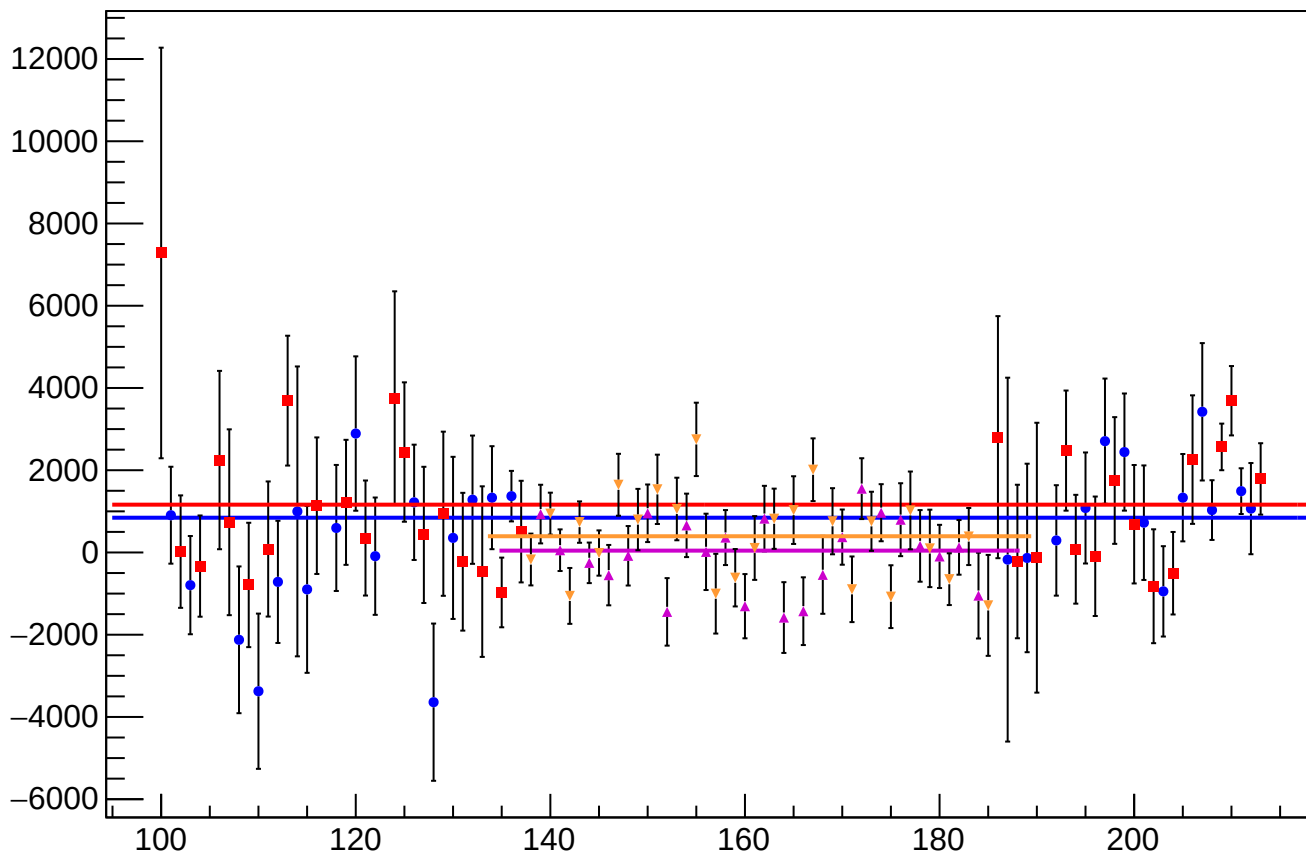
Left In: 1321.783 $\pm$ 0.218 χ^2 /NDF: 3553.3/22

+ sign 1328.554 $\pm$ 0.156 χ^2 /NDF: 772187.0/53

All: 1330.257 $\pm$ 0.110 χ^2 /NDF: 942807.9/109

- sign 1331.949 $\pm$ 0.155 χ^2 /NDF: 170382.2/55

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 845.167 ± 226.253 χ^2/NDF : 29.6/28

Left Out: 394.522 ± 144.562 χ^2/NDF : 41.8/24

Right Out: 1162.591 ± 231.908 χ^2/NDF : 43.1/32

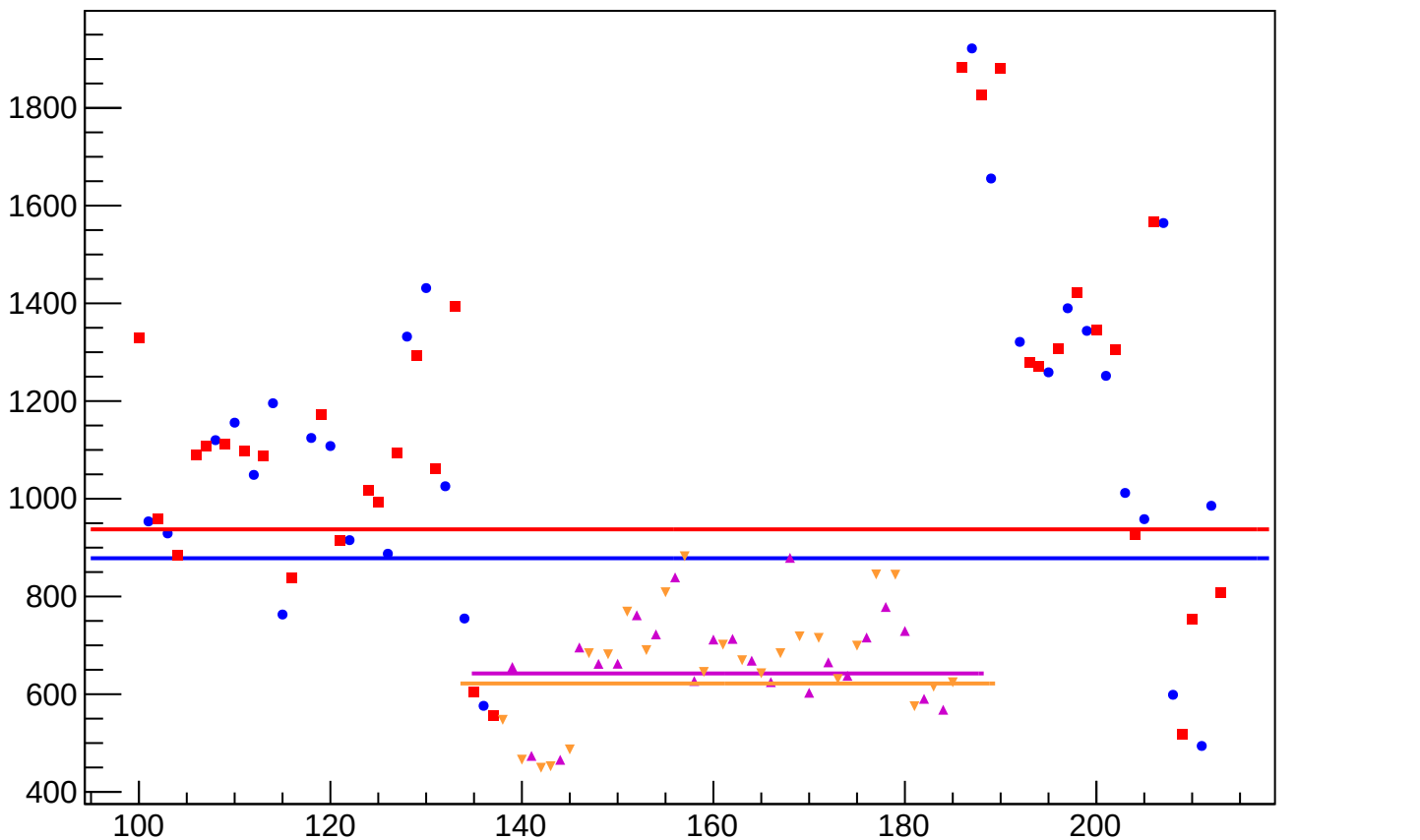
Left In: 44.766 ± 152.332 χ^2/NDF : 27.6/22

+ sign 525.161 ± 121.819 χ^2/NDF : 74.3/53

All: 456.596 ± 88.020 χ^2/NDF : 161.9/109

- sign 381.698 ± 127.321 χ^2/NDF : 86.9/55

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 878.279 $\pm$ 0.160 χ^2 /NDF: 3964105.2/28

Left Out: 621.950 $\pm$ 0.102 χ^2 /NDF:1383373.4/24

Right Out: 937.437 $\pm$ 0.164 χ^2 /NDF: 4100522.0/32

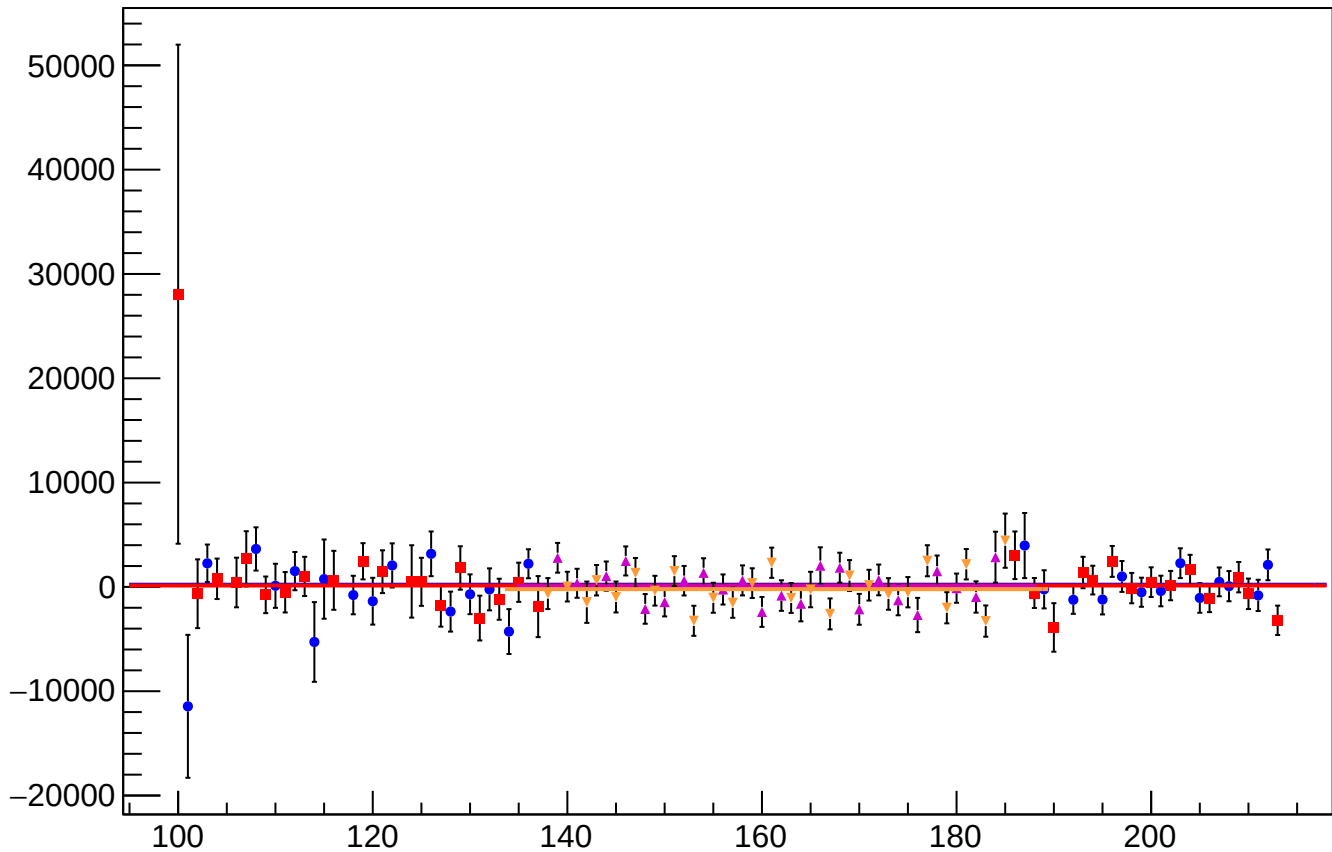
Left In: 642.465 $\pm$ 0.108 χ^2 /NDF:926376.1/22

+ sign 696.258 $\pm$ 0.086 χ^2 /NDF: 7170354.8/53

All: 713.041 $\pm$ 0.062 χ^2 /NDF: 14537038.7/10

- sign 731.375 $\pm$ 0.090 χ^2 /NDF: 7287254.3/55

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 209.816+/-325.233 χ^2/NDF : 30.9/28

Left Out: -215.033+/-300.379 χ^2/NDF :31.3/24

Right Out: 134.709+/-313.875 χ^2/NDF : 26.4/32

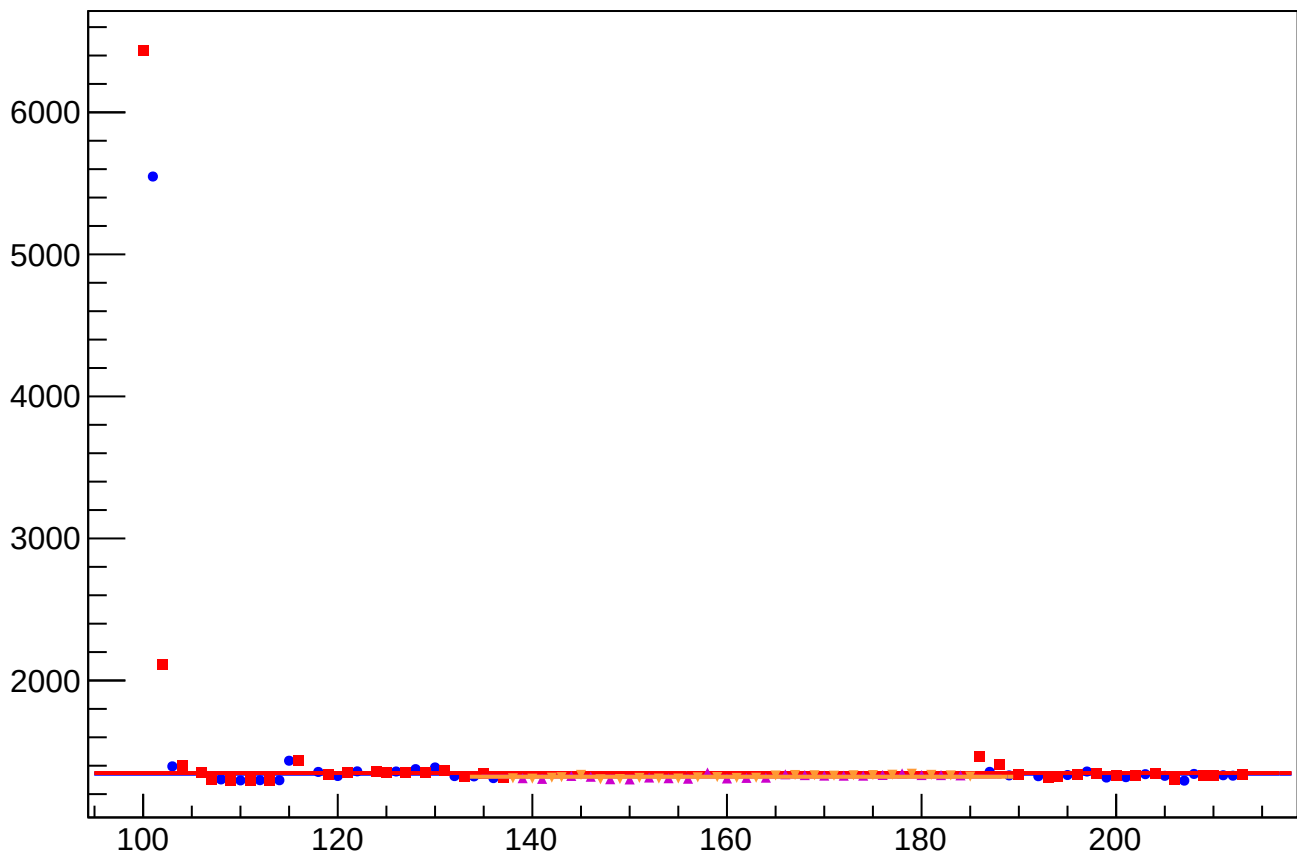
Left In: 50.244+/-308.986 χ^2/NDF :27.8/22

+ sign -19.460+/-220.664 χ^2/NDF : 63.1/53

All: 36.295+/-155.867 χ^2/NDF : 117.5/109

- sign 91.814+/-220.194 χ^2/NDF : 54.3/55

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.539 $\pm$ 0.230 χ^2 /NDF: 767443.6/28

Left Out: 1322.369 $\pm$ 0.212 χ^2 /NDF: 2931.9/24

Right Out: 1348.584 $\pm$ 0.222 χ^2 /NDF: 220432.7/32

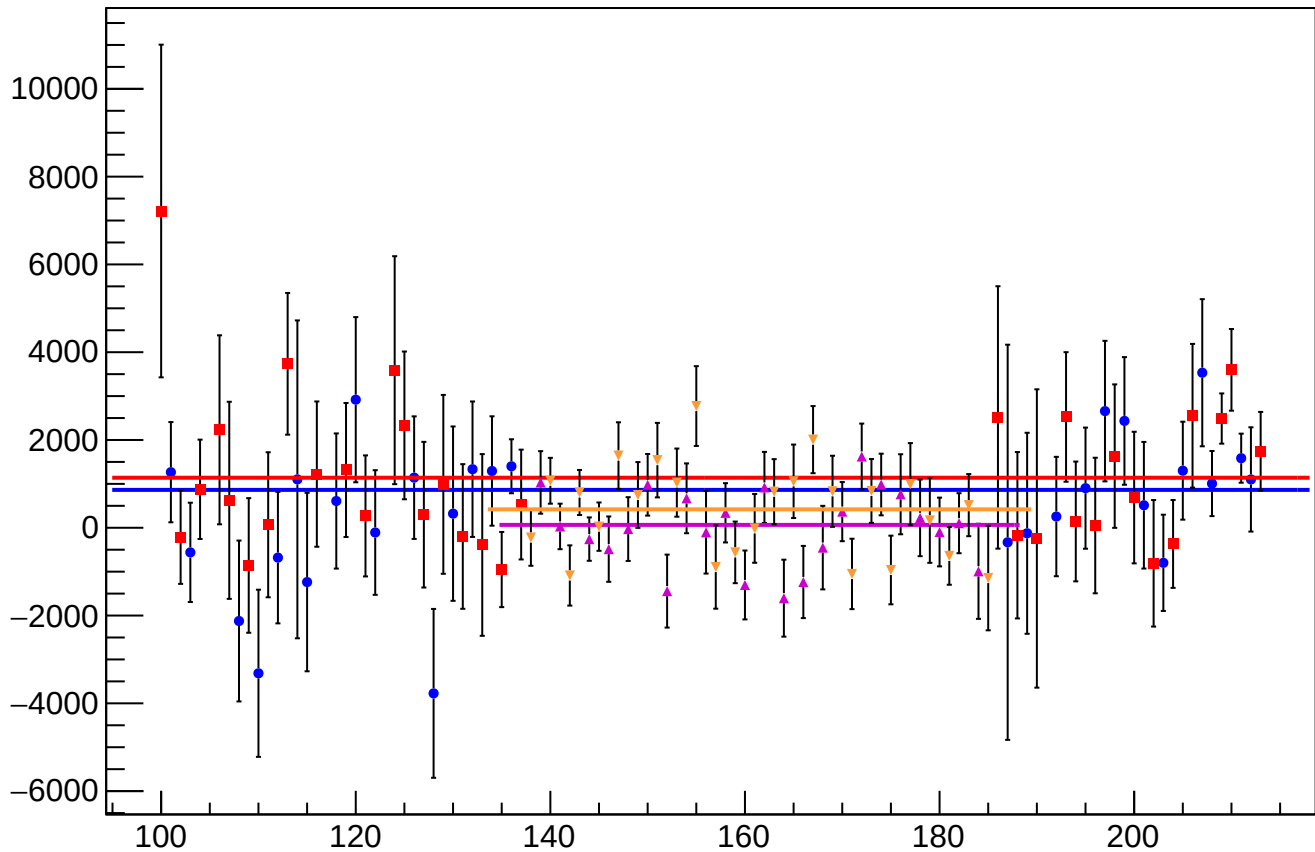
Left In: 1323.337 $\pm$ 0.218 χ^2 /NDF: 3856.3/22

+ sign 1332.114 $\pm$ 0.156 χ^2 /NDF: 774948.8/53

All: 1333.942 $\pm$ 0.110 χ^2 /NDF: 1006083.3/100

- sign 1335.763 $\pm$ 0.156 χ^2 /NDF: 230860.5/55

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 863.230 $\pm$ 228.231 χ^2/NDF : 29.6/28

Left Out: 419.899 $\pm$ 146.436 χ^2/NDF : 41.5/24

Right Out: 1139.904 $\pm$ 233.343 χ^2/NDF : 39.5/32

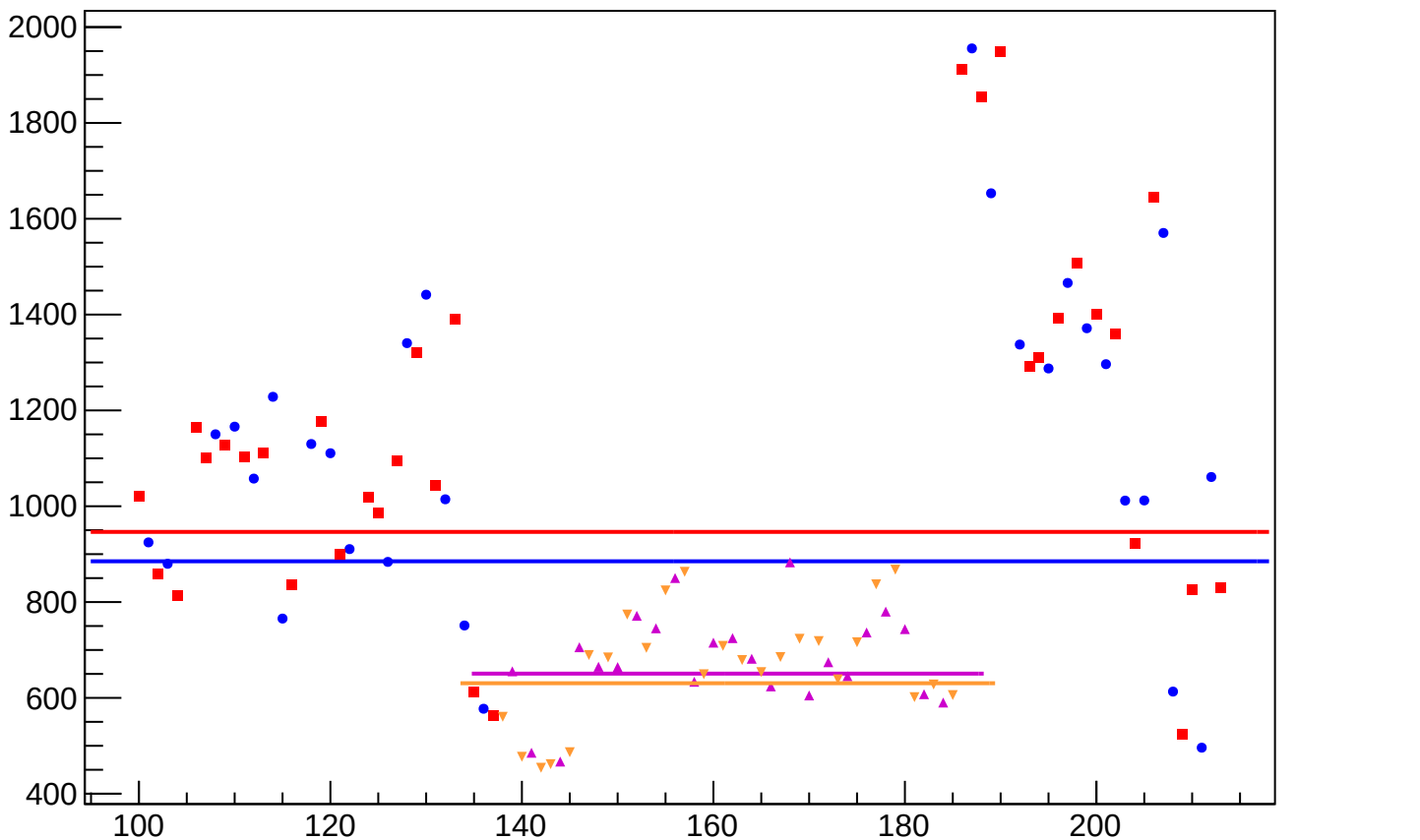
Left In: 65.405 $\pm$ 154.224 χ^2/NDF : 27.0/22

+ sign 549.182 $\pm$ 123.248 χ^2/NDF : 73.8/53

All: 474.006 $\pm$ 89.002 χ^2/NDF : 155.9/109

- sign 392.081 $\pm$ 128.662 χ^2/NDF : 81.3/55

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 885.111 $\pm$ 0.161 χ^2 /NDF: 4073734.3/28

Left Out: 630.592 $\pm$ 0.104 χ^2 /NDF:1328590.6/24

Right Out: 946.449 $\pm$ 0.165 χ^2 /NDF: 4244041.1/32

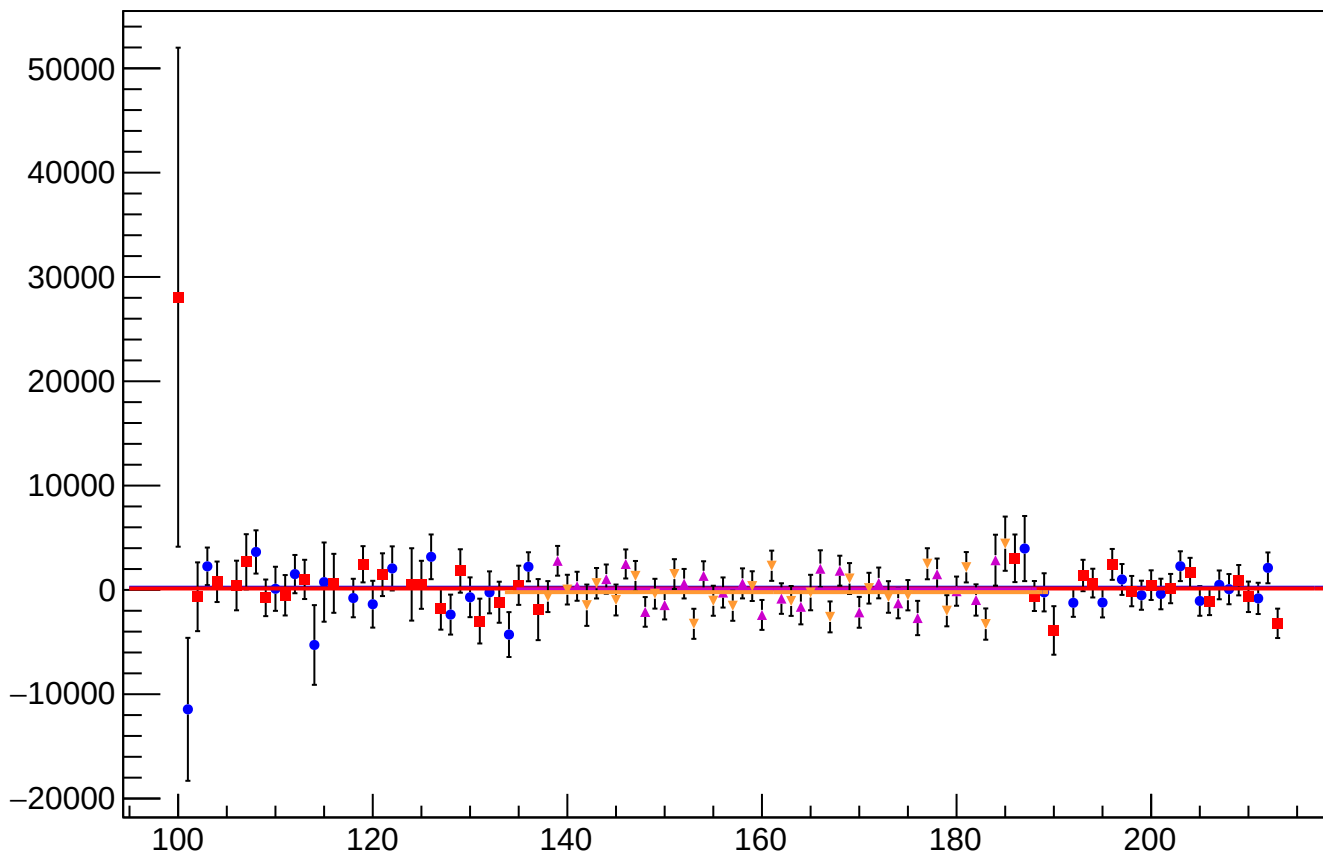
Left In: 650.637 $\pm$ 0.109 χ^2 /NDF:922078.1/22

+ sign 704.814 $\pm$ 0.087 χ^2 /NDF: 7164257.5/53

All: 721.925 $\pm$ 0.063 χ^2 /NDF: 14647942.9/10

- sign 740.571 $\pm$ 0.091 χ^2 /NDF: 7403129.0/55

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 209.817 $\pm$ 325.233 χ^2 /NDF: 30.9/28

Left Out: -215.035 $\pm$ 300.379 χ^2 /NDF:31.3/24

Right Out: 134.708 $\pm$ 313.875 χ^2 /NDF: 26.4/32

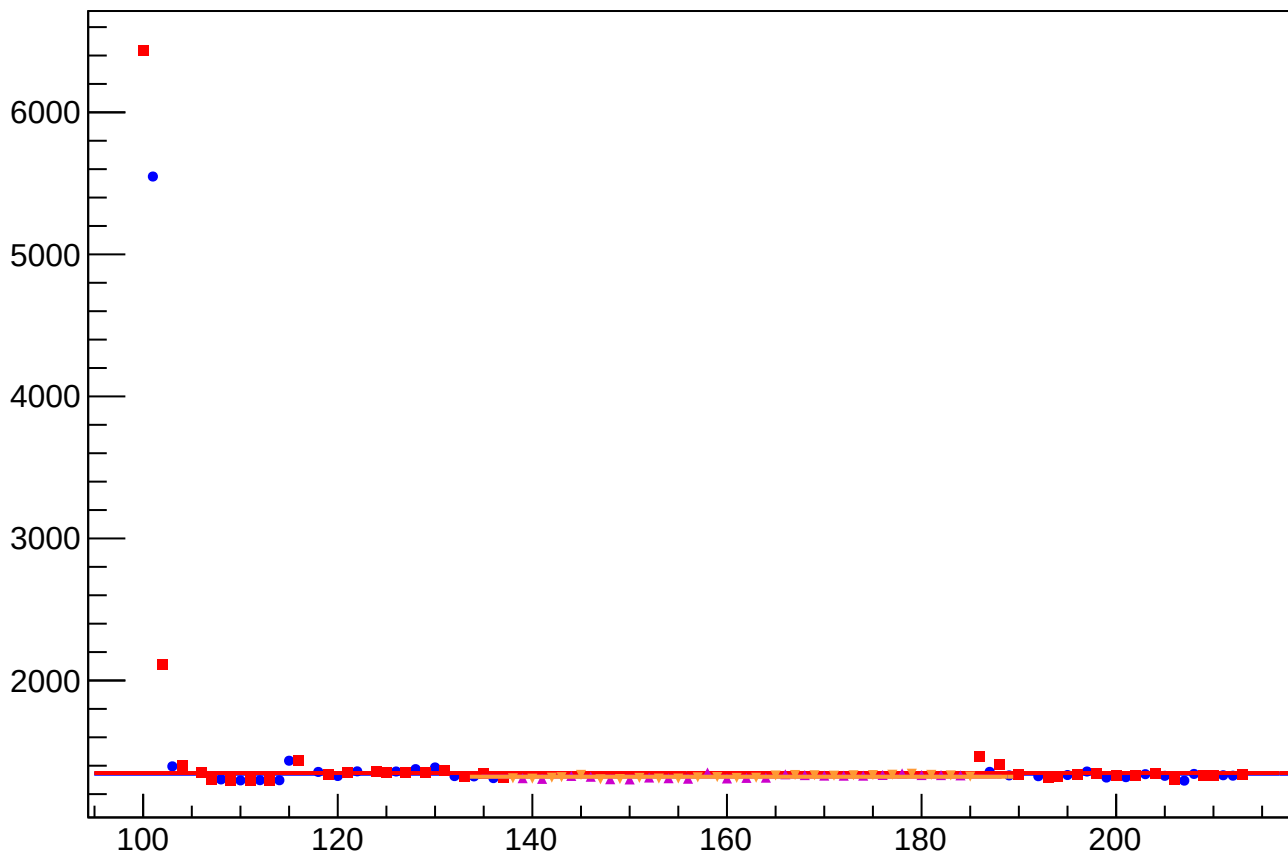
Left In: 50.244 $\pm$ 308.986 χ^2 /NDF:27.8/22

+ sign -19.461 $\pm$ 220.664 χ^2 /NDF: 63.1/53

All: 36.295 $\pm$ 155.867 χ^2 /NDF: 117.5/109

- sign 91.813 $\pm$ 220.194 χ^2 /NDF: 54.3/55

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.539+/-0.230 χ^2/NDF : 767443.5/28

Left Out: 1322.369+/-0.212 χ^2/NDF : 2931.9/24

Right Out: 1348.584+/-0.222 χ^2/NDF : 220432.6/32

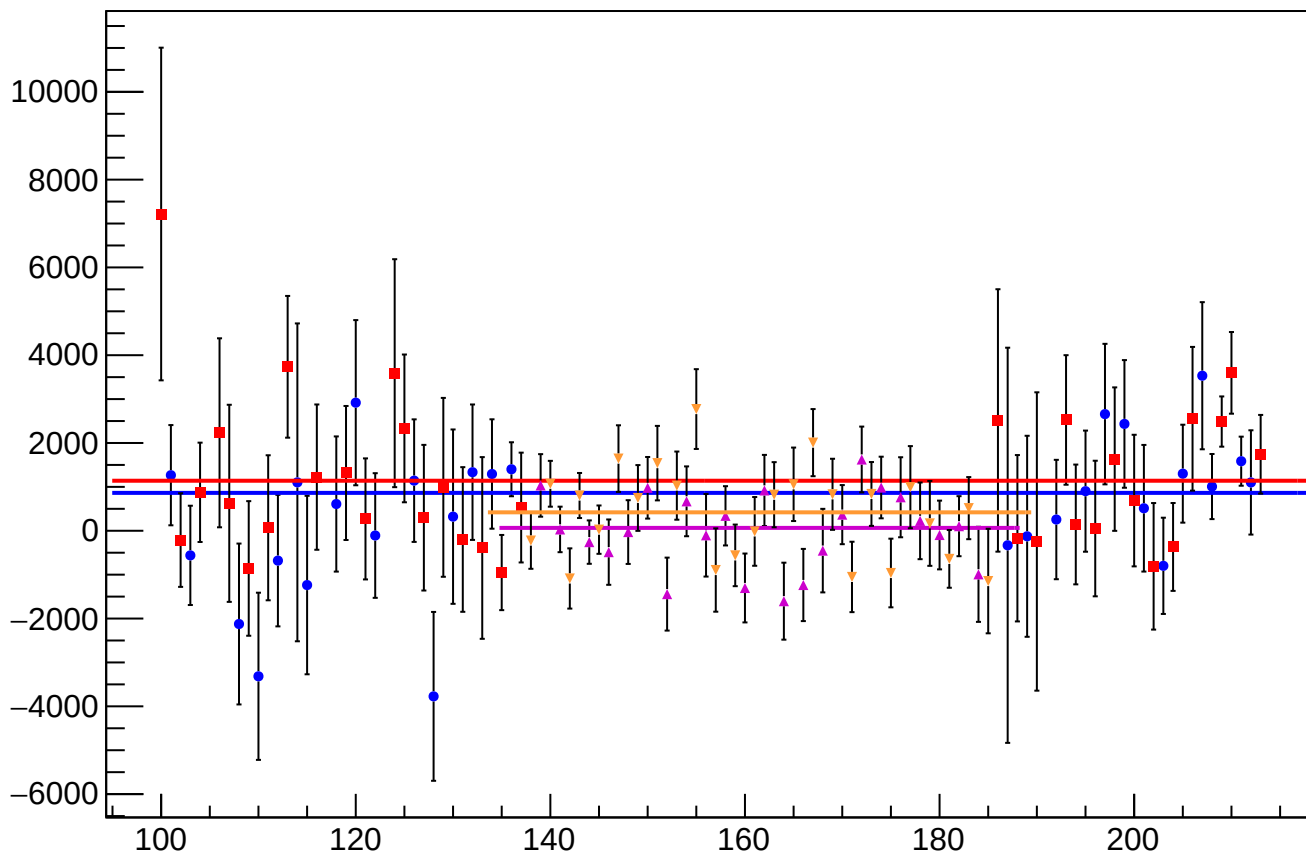
Left In: 1323.337+/-0.218 χ^2/NDF : 3856.3/22

+ sign 1332.114+/-0.156 χ^2/NDF : 774948.8/53

All: 1333.942+/-0.110 χ^2/NDF : 1006083.1/100

- sign 1335.763+/-0.156 χ^2/NDF : 230860.4/55

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 863.227 $\pm$ 228.231 χ^2/NDF : 29.6/28

Left Out: 419.899 $\pm$ 146.436 χ^2/NDF : 41.5/24

Right Out: 1139.904 $\pm$ 233.342 χ^2/NDF : 39.5/32

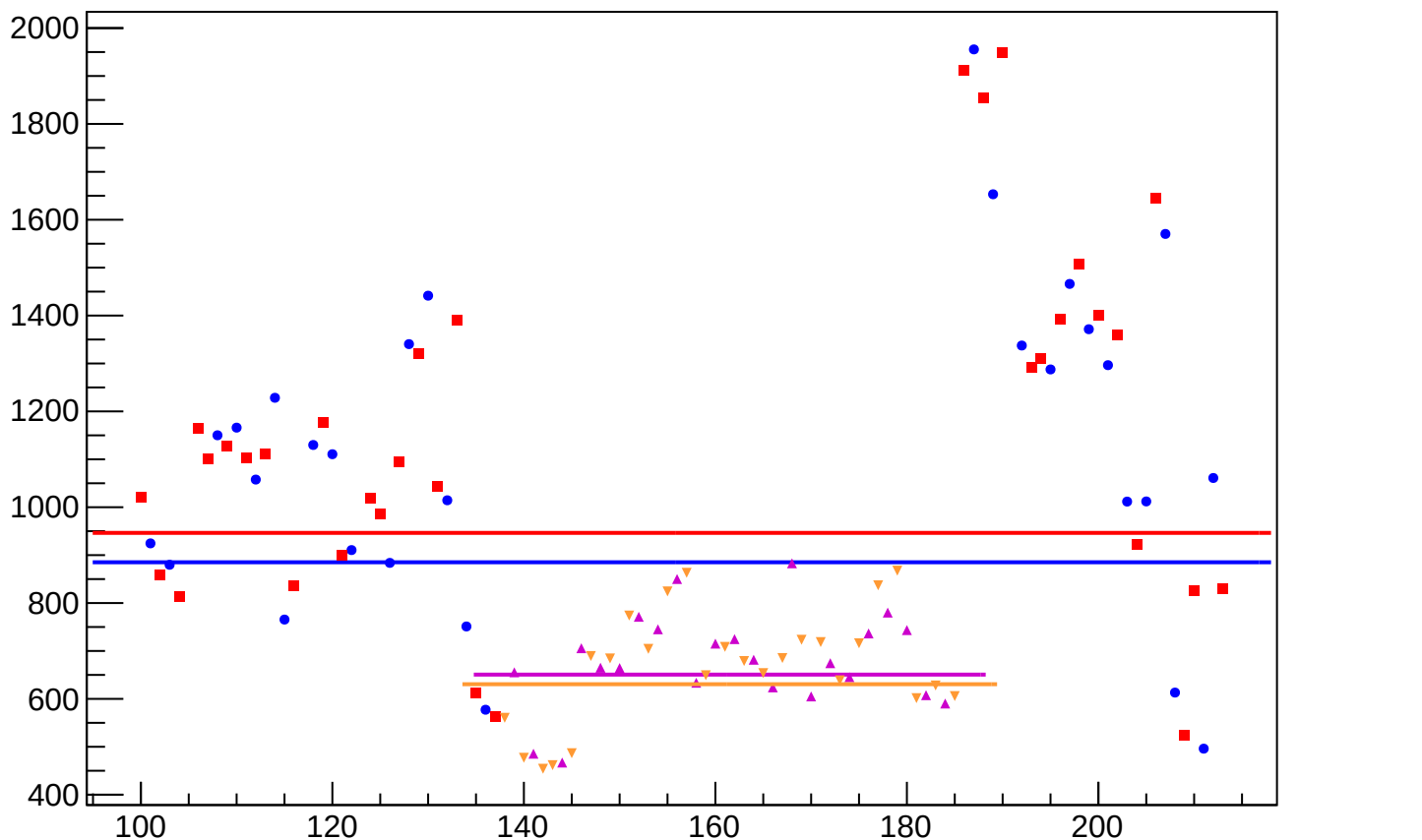
Left In: 65.405 $\pm$ 154.225 χ^2/NDF : 27.0/22

+ sign 549.182 $\pm$ 123.248 χ^2/NDF : 73.8/53

All: 474.006 $\pm$ 89.002 χ^2/NDF : 155.9/109

- sign 392.082 $\pm$ 128.662 χ^2/NDF : 81.3/55

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 885.110 $\pm$ 0.161 χ^2 /NDF: 4073728.4/28

Left Out: 630.592 $\pm$ 0.104 χ^2 /NDF:1328610.2/24

Right Out: 946.447 $\pm$ 0.165 χ^2 /NDF: 4244067.7/32

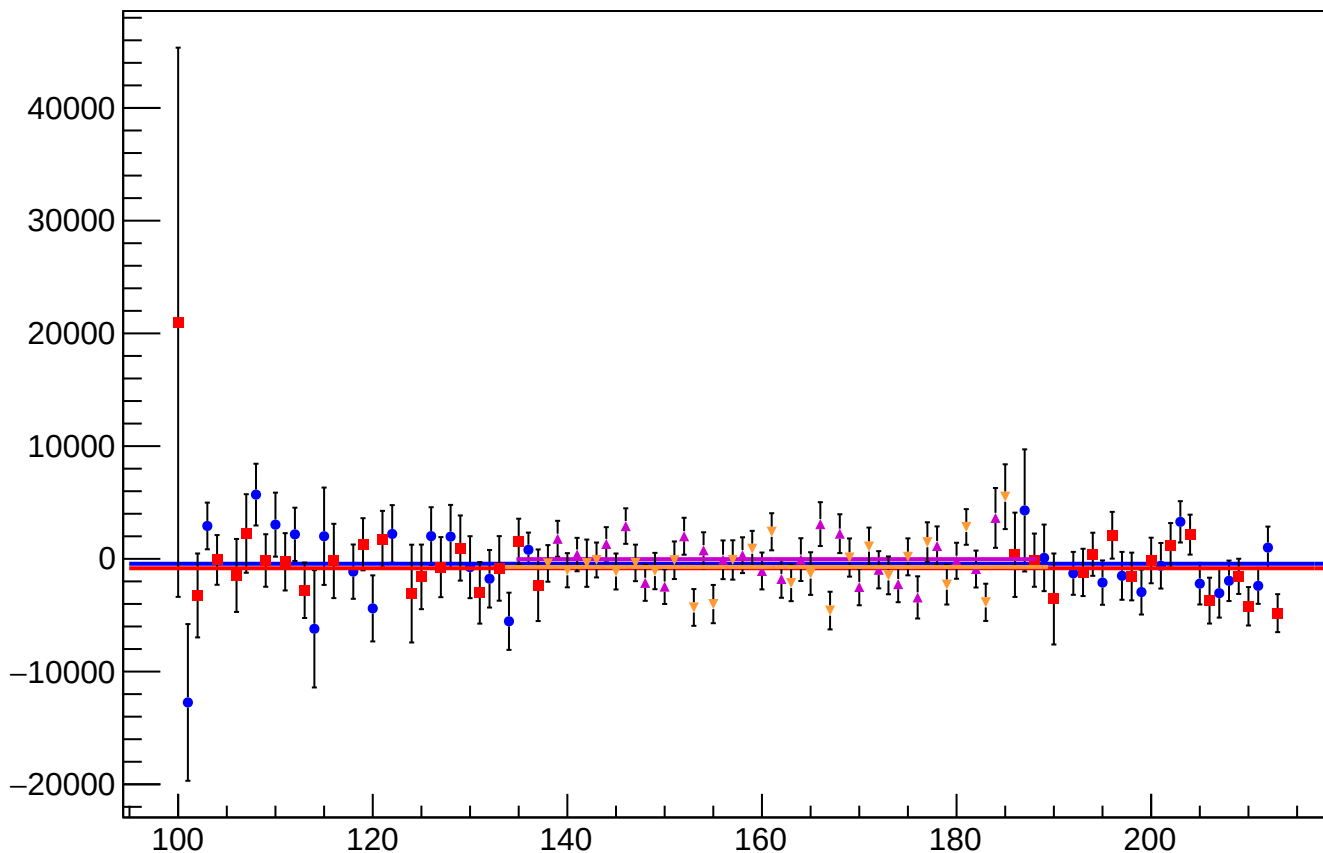
Left In: 650.638 $\pm$ 0.109 χ^2 /NDF:922087.6/22

+ sign 704.814 $\pm$ 0.087 χ^2 /NDF: 7164255.7/53

All: 721.925 $\pm$ 0.063 χ^2 /NDF: 14647932.5/10

- sign 740.572 $\pm$ 0.091 χ^2 /NDF: 7403119.8/55

asym_usr_atr1_dd_mean vs Slug



Right In: -434.579 ± 423.798 χ^2/NDF : 37.5/28

Left Out: -718.291 ± 337.578 χ^2/NDF : 37.7/24

Right Out: -835.238 ± 412.974 χ^2/NDF : 26.7/32

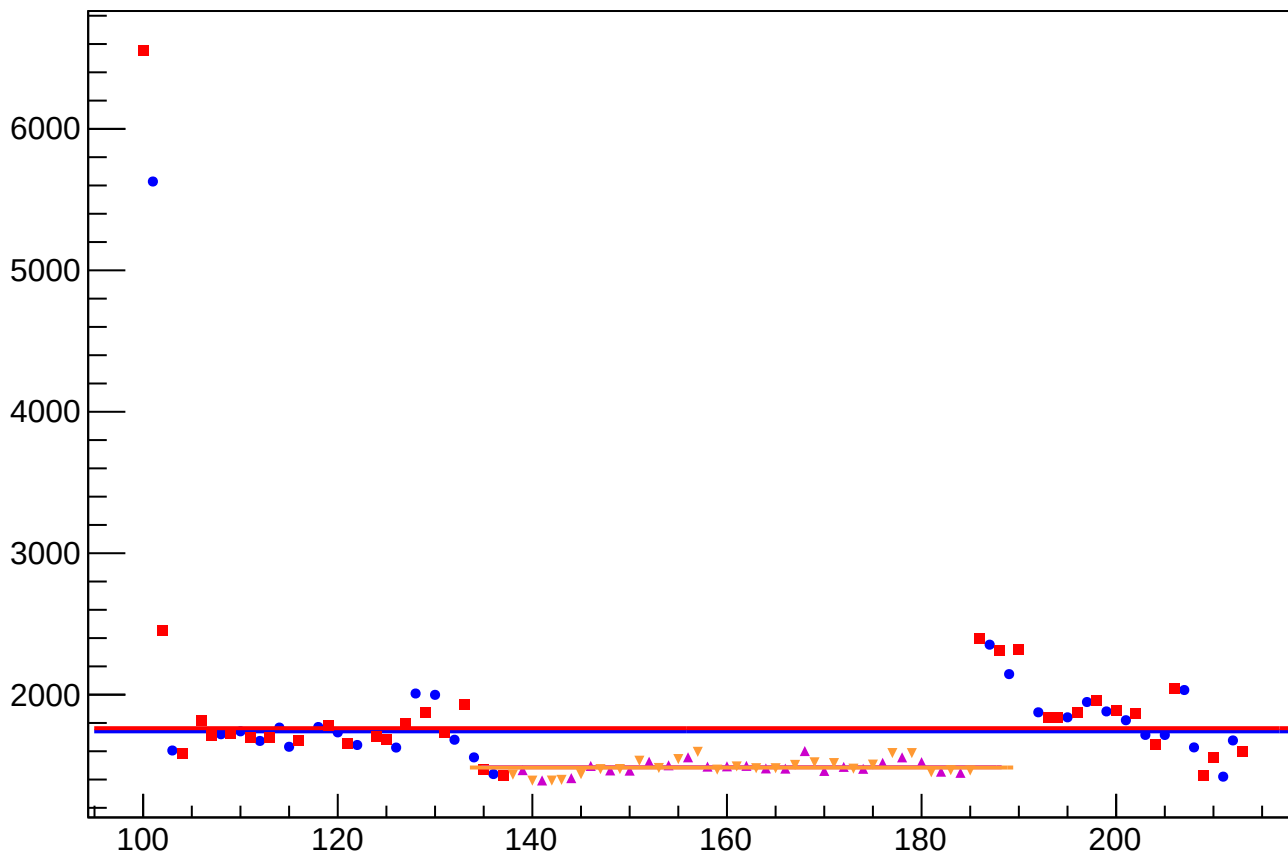
Left In: -27.514 ± 347.415 χ^2/NDF : 28.0/22

+ sign -608.157 ± 264.047 χ^2/NDF : 75.5/53

All: -486.041 ± 187.345 χ^2/NDF : 132.9/109

- sign -362.250 ± 265.853 χ^2/NDF : 56.9/55

asym_usr_atr1_dd_rms vs Slug



Right In: 1740.769+/-0.300 χ^2/NDF : 1008438.7/28

Left Out: 1484.960+/-0.239 χ^2/NDF : 50905.1/24

Right Out: 1763.038+/-0.292 χ^2/NDF : 675500.7/32

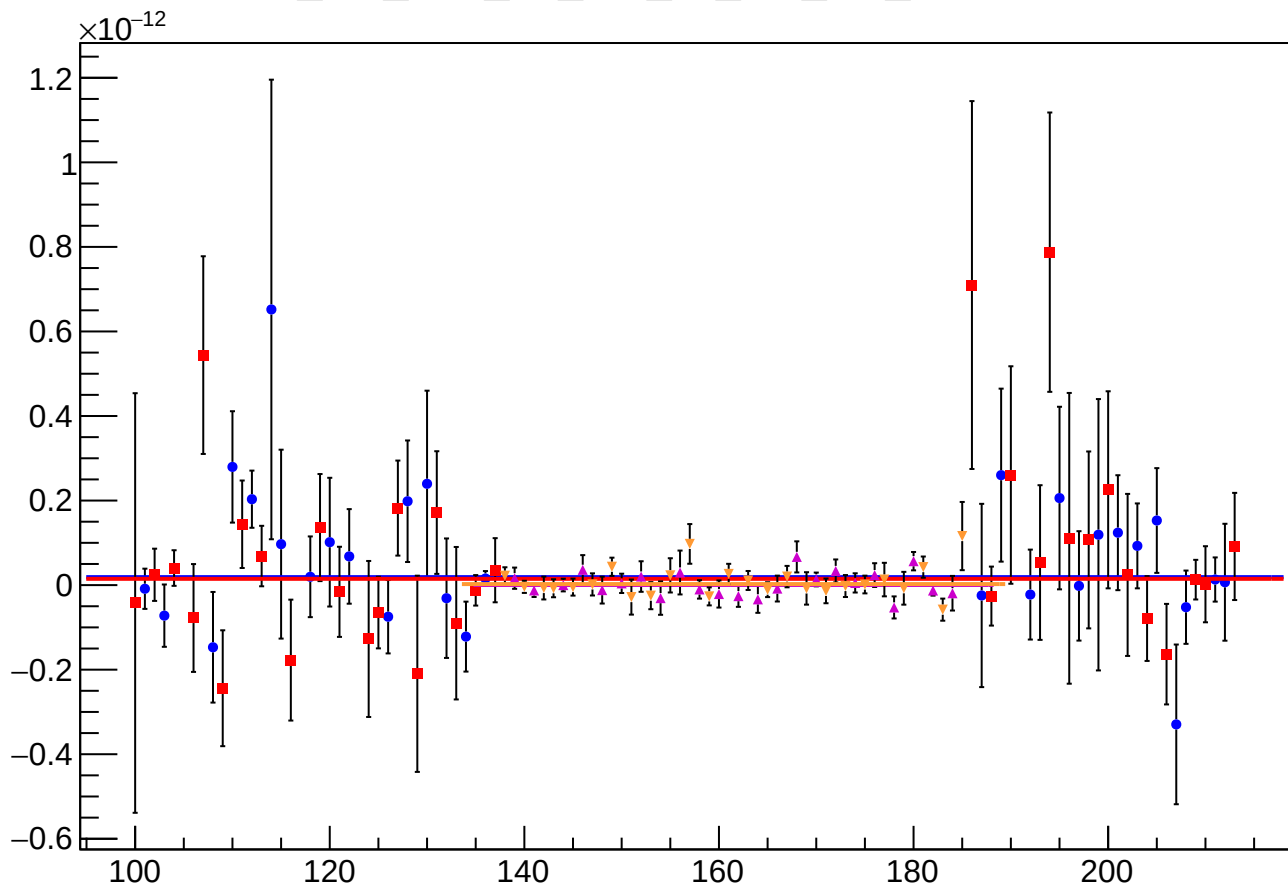
Left In: 1487.112+/-0.246 χ^2/NDF : 34817.2/22

+ sign 1584.263+/-0.187 χ^2/NDF : 1505164.7/53

All: 1592.804+/-0.132 χ^2/NDF : 2742523.6/10

- sign 1601.461+/-0.188 χ^2/NDF : 1233145.5/55

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/32

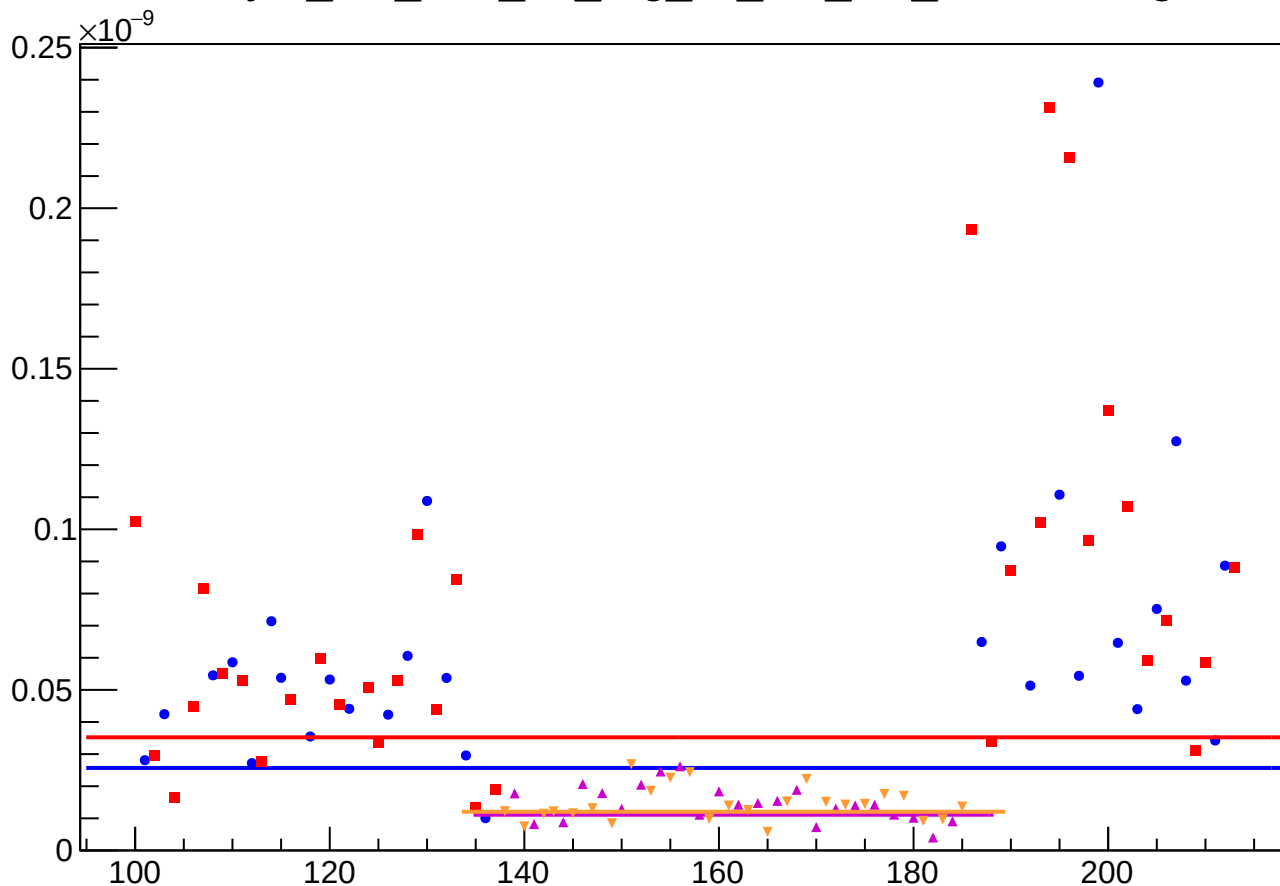
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 120.4/109

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.9/55

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6154562.8/28

Left Out: 0.000+/-0.000 χ^2/NDF :1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5480476.7/32

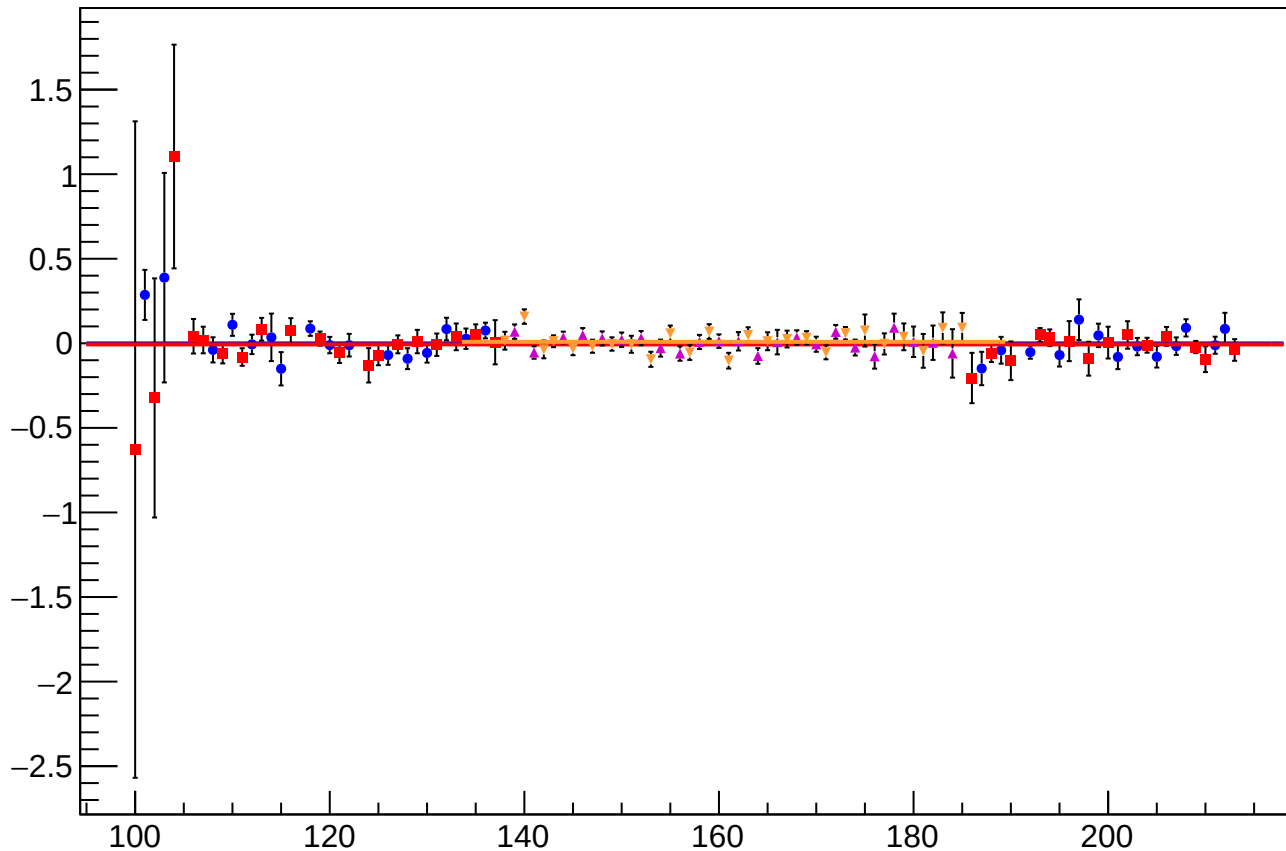
Left In: 0.000+/-0.000 χ^2/NDF :2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9582968.1/53

All: 0.000+/-0.000 χ^2/NDF : 21434370.6/109

- sign 0.000+/-0.000 χ^2/NDF : 11833424.9/55

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 37.2/28

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.006 ± 0.011 χ^2/NDF : 24.8/32

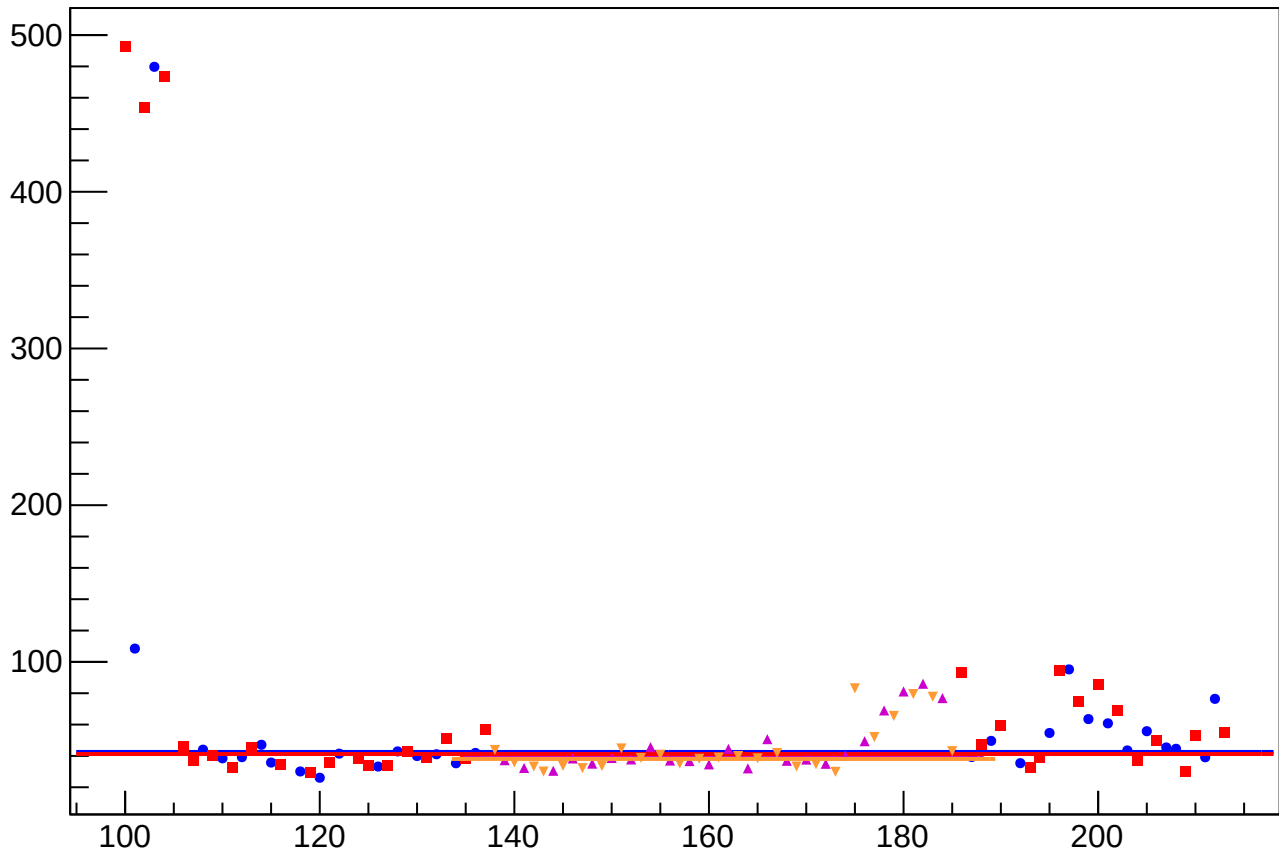
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 76.2/53

All: 0.003 ± 0.005 χ^2/NDF : 120.8/109

- sign 0.002 ± 0.007 χ^2/NDF : 44.6/55

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.521+/-0.008 χ^2/NDF : 3107269.1/28

Left Out: 38.067+/-0.007 χ^2/NDF : 1967115.3/24

Right Out: 41.208+/-0.008 χ^2/NDF : 4181435.6/32

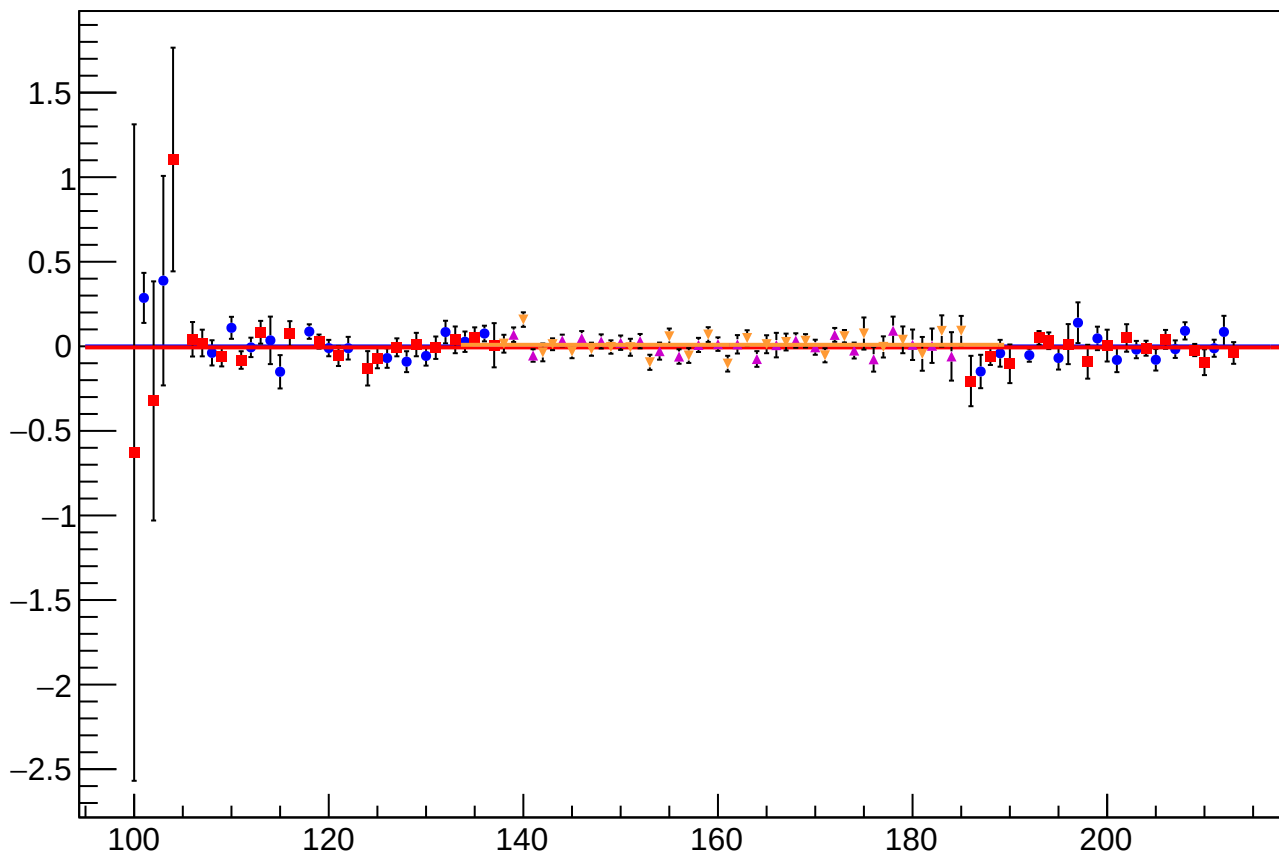
Left In: 38.630+/-0.007 χ^2/NDF : 1727664.7/22

+ sign 39.872+/-0.005 χ^2/NDF : 5249939.0/53

All: 39.814+/-0.004 χ^2/NDF : 11218276.5/109

- sign 39.754+/-0.005 χ^2/NDF : 5968085.6/55

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 37.2/28

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.006 ± 0.011 χ^2/NDF : 24.8/32

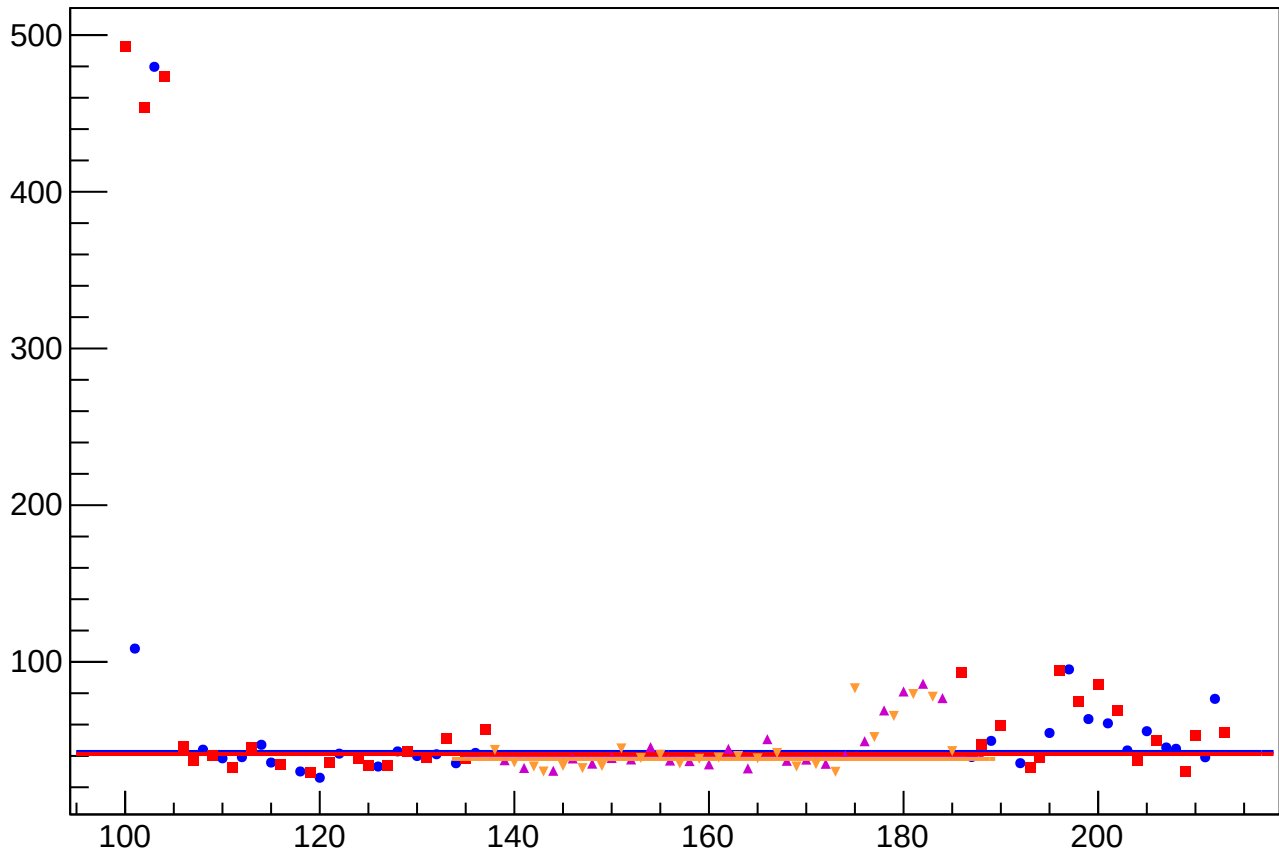
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 76.2/53

All: 0.003 ± 0.005 χ^2/NDF : 120.8/109

- sign 0.002 ± 0.007 χ^2/NDF : 44.6/55

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.521 $\pm$ 0.008 χ^2 /NDF: 3107269.1/28

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 41.208 $\pm$ 0.008 χ^2 /NDF: 4181435.6/32

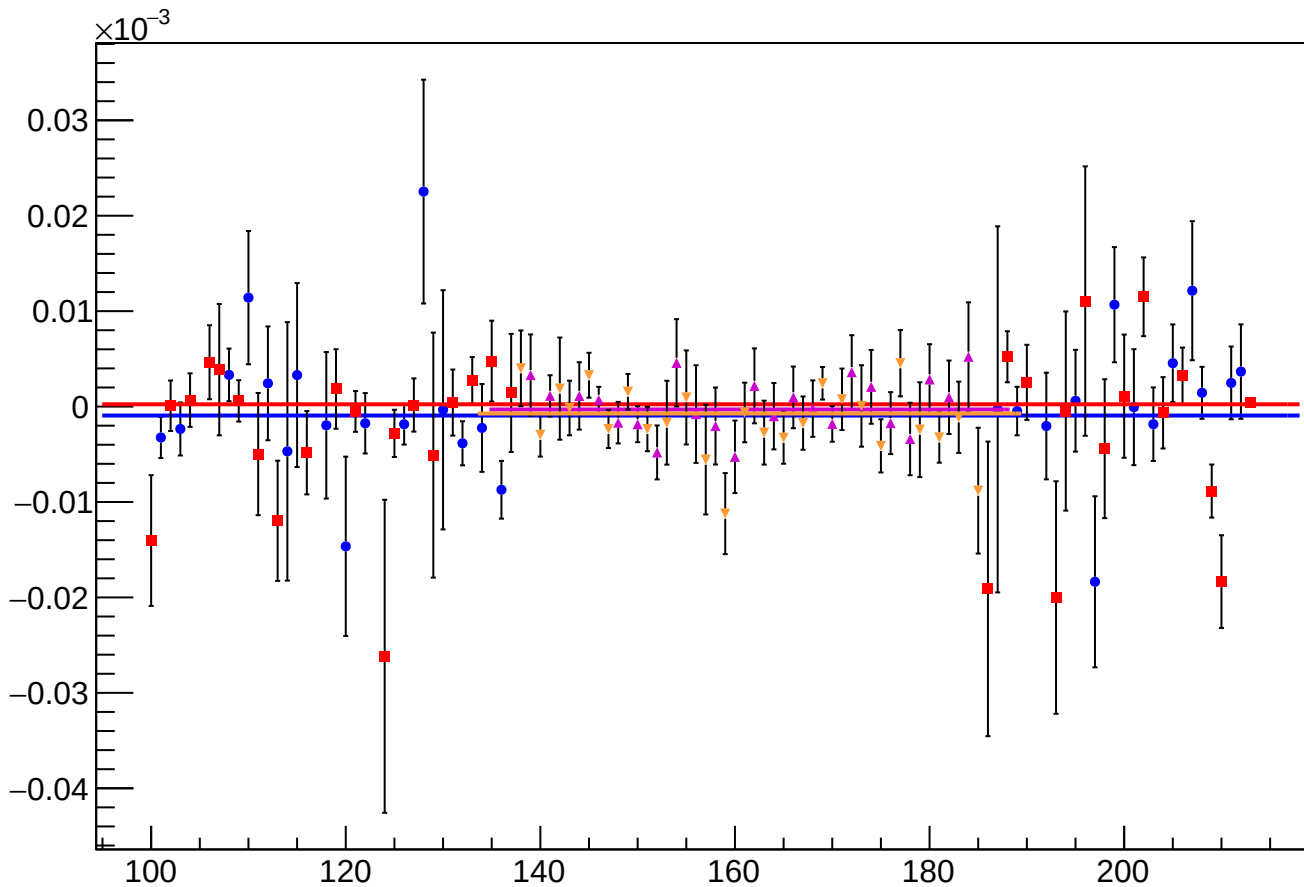
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 39.872 $\pm$ 0.005 χ^2 /NDF: 5249939.0/53

All: 39.814 $\pm$ 0.004 χ^2 /NDF: 11218276.5/109

- sign 39.754 $\pm$ 0.005 χ^2 /NDF: 5968085.6/55

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.4/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.7/32

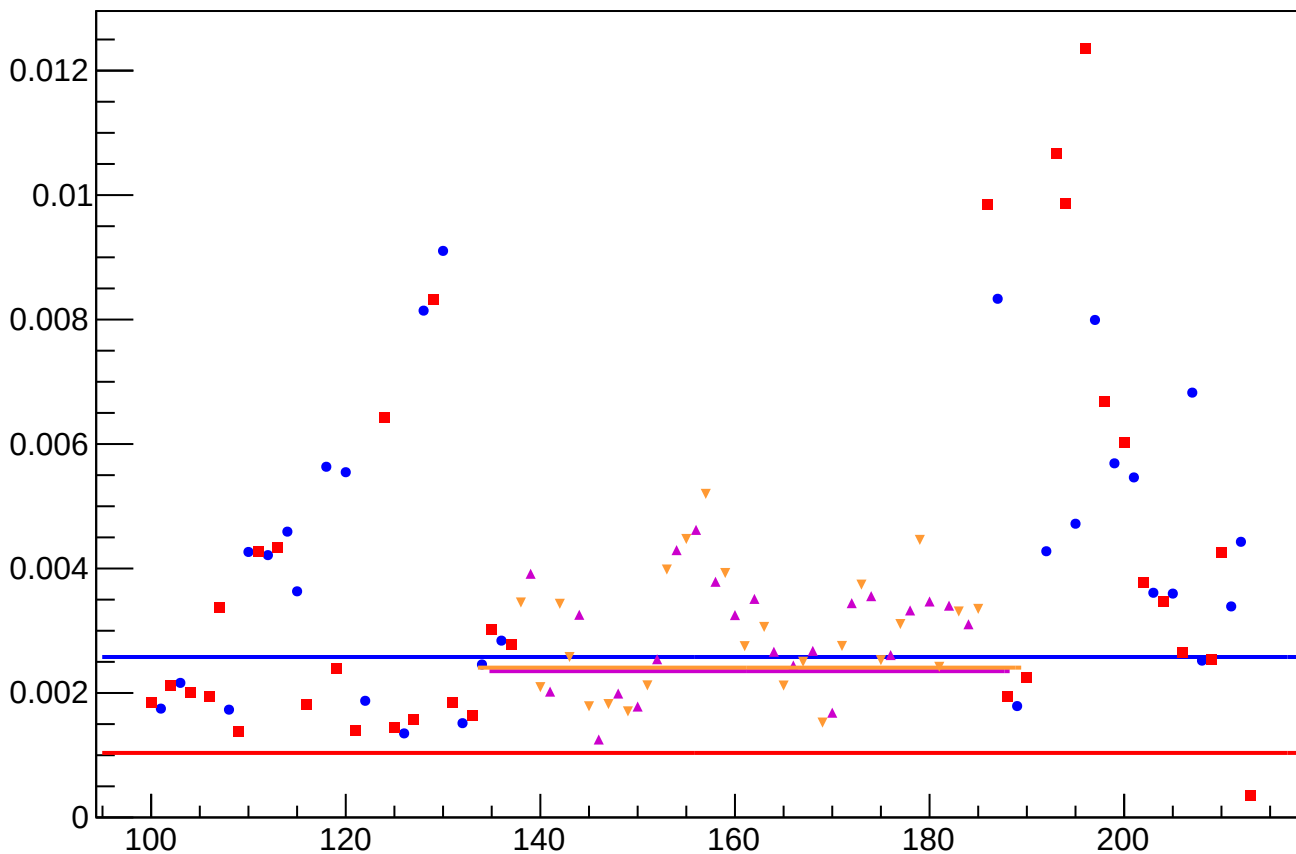
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 64.0/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 142.6/109

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.1/55

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7488046.7/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3682960.0/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 19388993.8/32

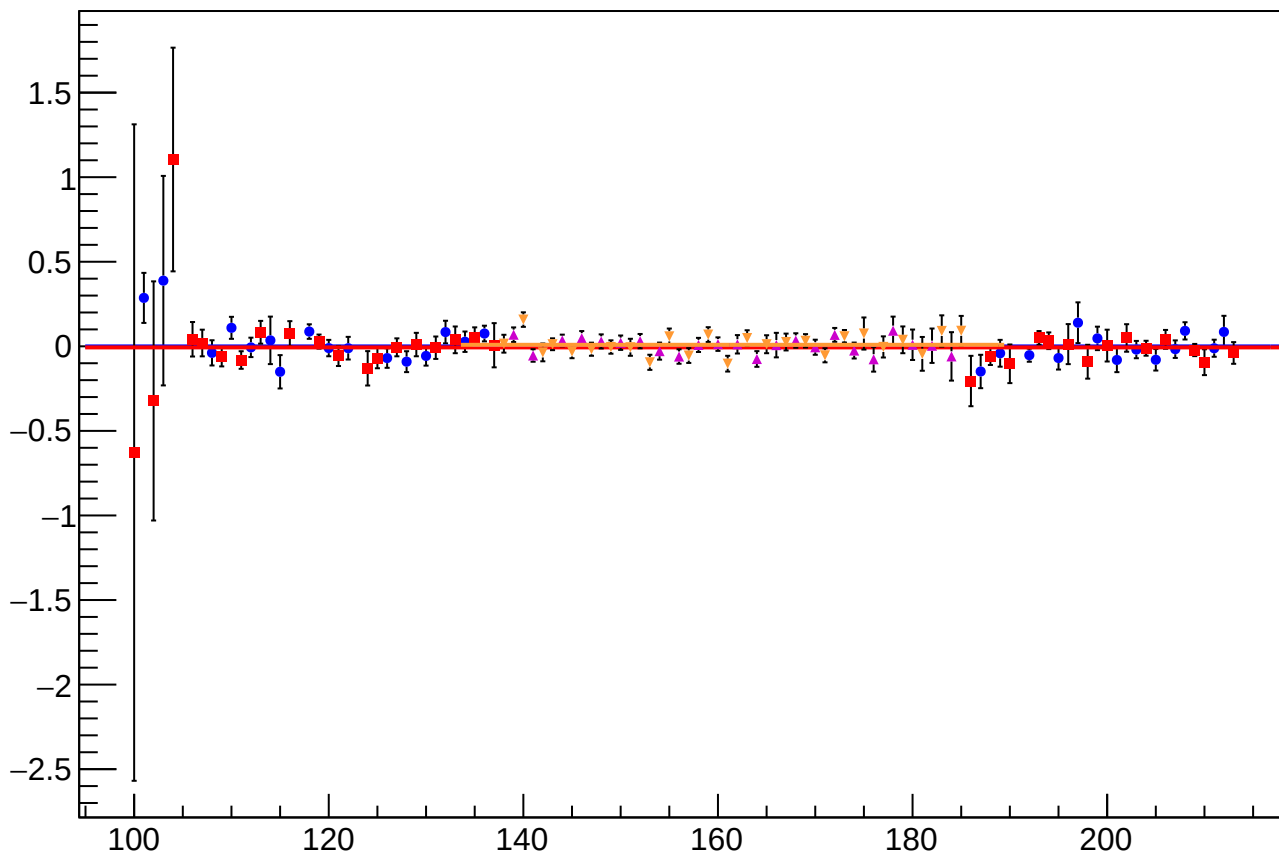
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4438139.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11238972.0/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 48820044.3/109

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 30642884.3/55

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 37.2/28

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.006 ± 0.011 χ^2/NDF : 24.8/32

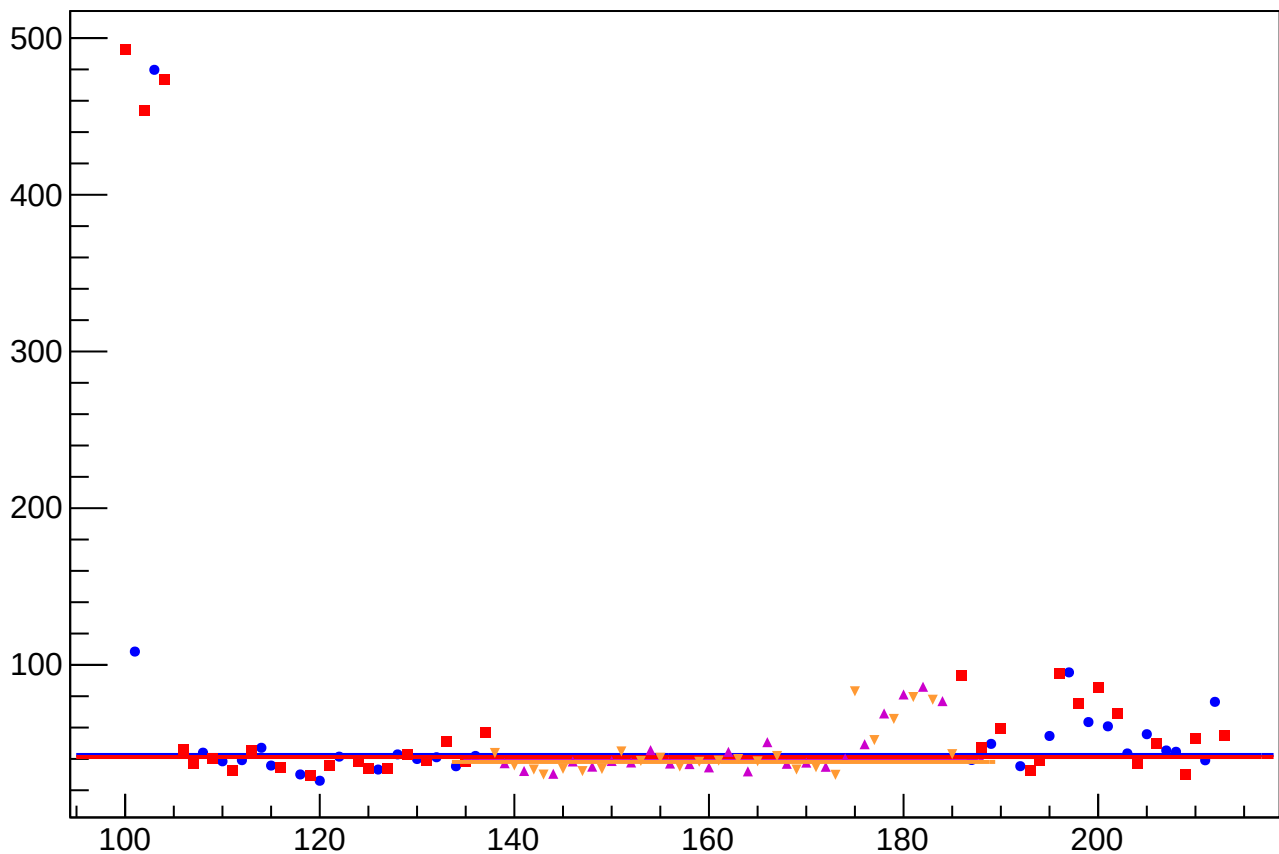
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 76.2/53

All: 0.003 ± 0.005 χ^2/NDF : 120.8/109

- sign 0.002 ± 0.007 χ^2/NDF : 44.6/55

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.521 $\pm$ 0.008 χ^2 /NDF: 3107496.1/28

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967110.9/24

Right Out: 41.206 $\pm$ 0.008 χ^2 /NDF: 4181978.8/32

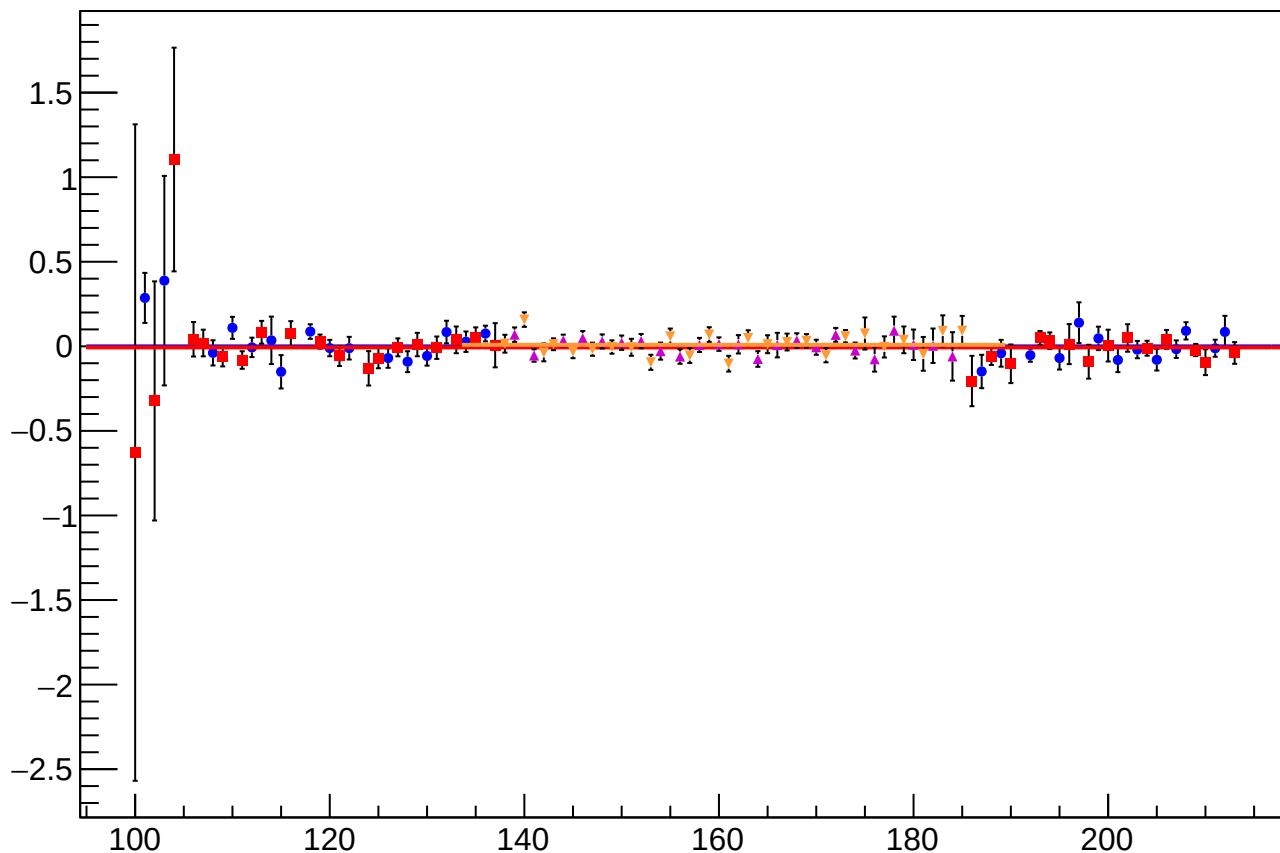
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727699.0/22

+ sign 39.872 $\pm$ 0.005 χ^2 /NDF: 5250131.4/53

All: 39.813 $\pm$ 0.004 χ^2 /NDF: 11218939.3/109

- sign 39.753 $\pm$ 0.005 χ^2 /NDF: 5968551.4/55

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.012 χ^2/NDF : 37.2/28

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.006 ± 0.011 χ^2/NDF : 24.8/32

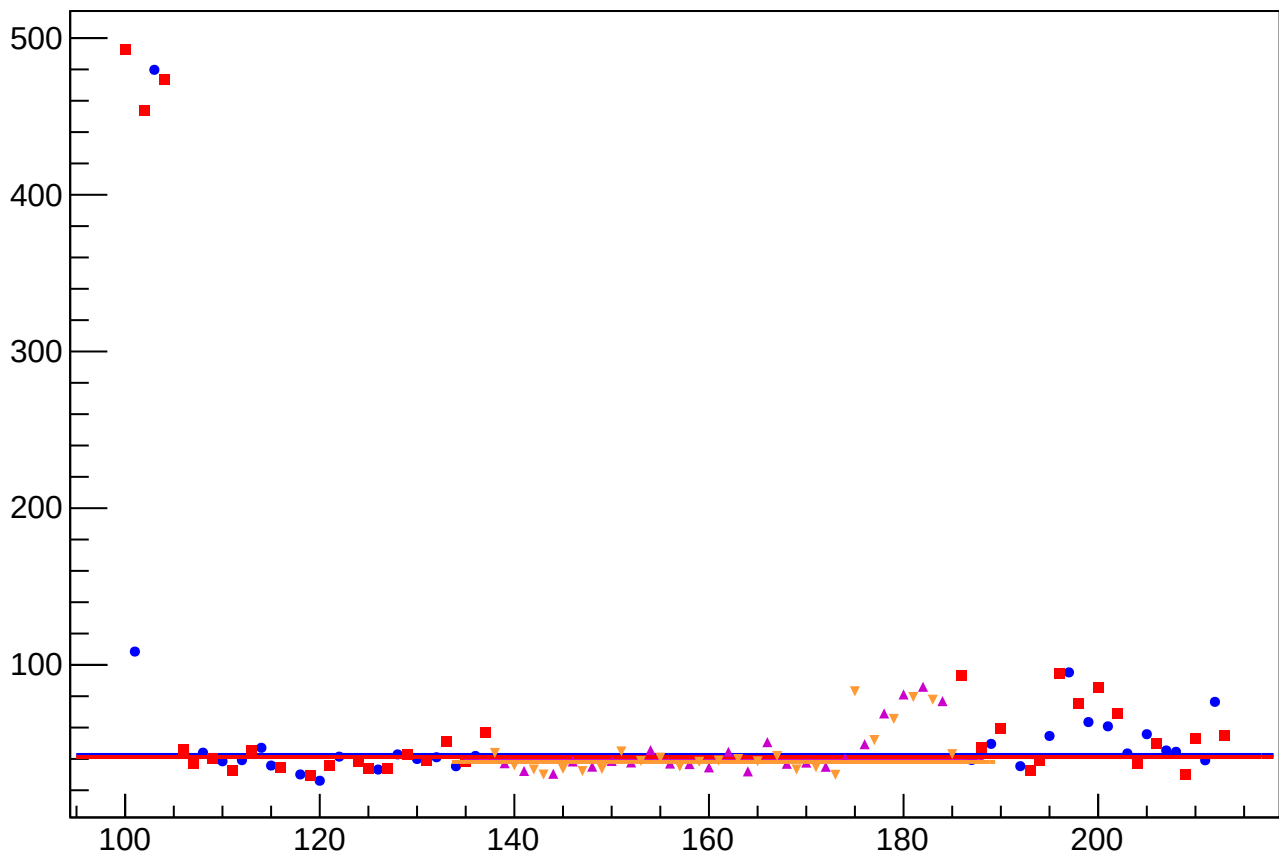
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.007 χ^2/NDF : 76.2/53

All: 0.003 ± 0.005 χ^2/NDF : 120.8/109

- sign 0.002 ± 0.007 χ^2/NDF : 44.6/55

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.521+/-0.008 χ^2/NDF : 3107496.1/28

Left Out: 38.067+/-0.007 χ^2/NDF : 1967110.9/24

Right Out: 41.206+/-0.008 χ^2/NDF : 4181978.8/32

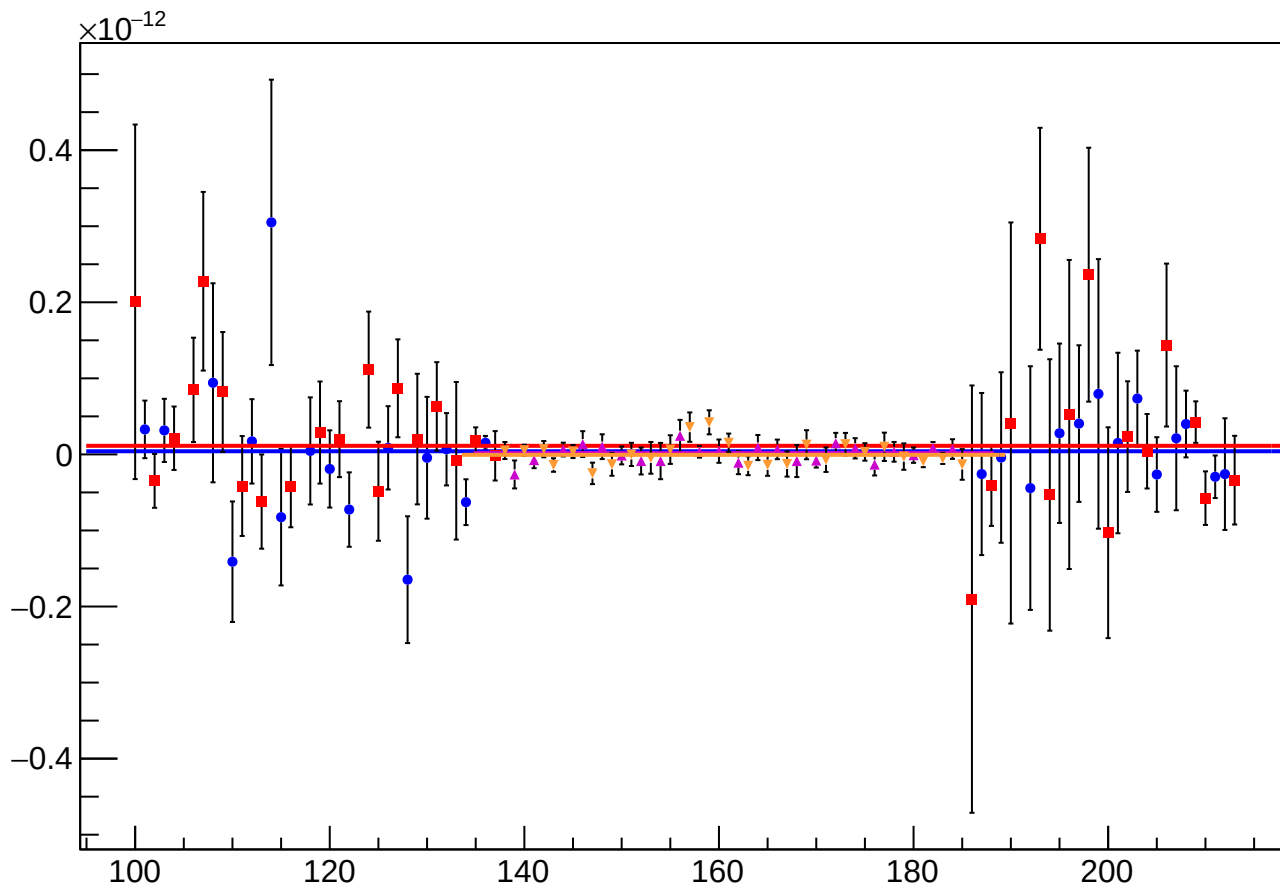
Left In: 38.630+/-0.007 χ^2/NDF : 1727699.0/22

+ sign 39.872+/-0.005 χ^2/NDF : 5250131.4/53

All: 39.813+/-0.004 χ^2/NDF : 11218939.3/109

- sign 39.753+/-0.005 χ^2/NDF : 5968551.4/55

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:26.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.0/32

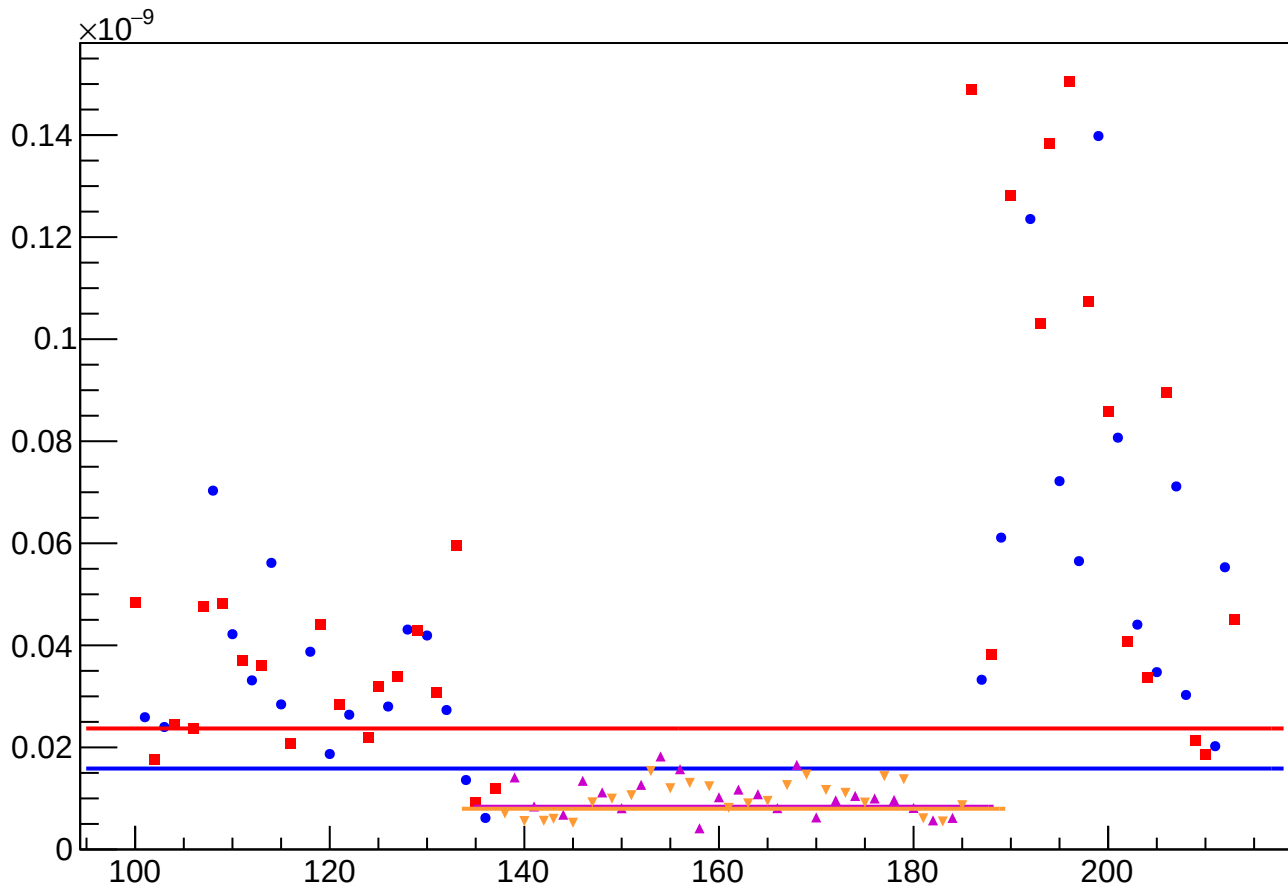
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 53.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 97.7/109

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.6/55

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10235592.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8154349.9/32

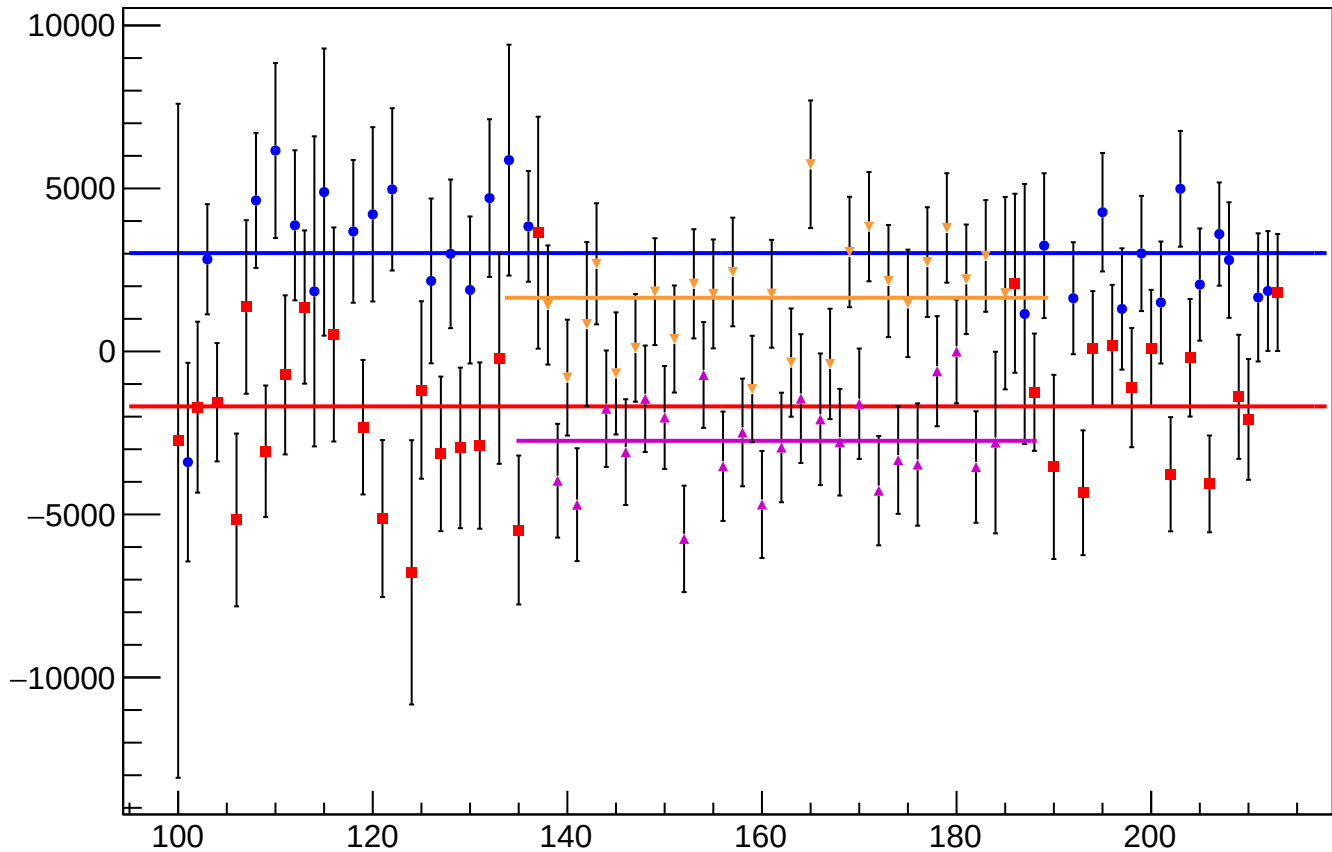
Left In: 0.000+/-0.000 χ^2/NDF : 2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 15364184.9/53

All: 0.000+/-0.000 χ^2/NDF : 31897879.2/109

- sign 0.000+/-0.000 χ^2/NDF : 16436467.5/55

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3016.629 ± 392.351 $\chi^2/\text{NDF}: 14.9/28$

Left Out: 1646.402 ± 349.758 $\chi^2/\text{NDF}: 21.0/24$

Right Out: -1685.971 ± 380.160 $\chi^2/\text{NDF}: 31.5/32$

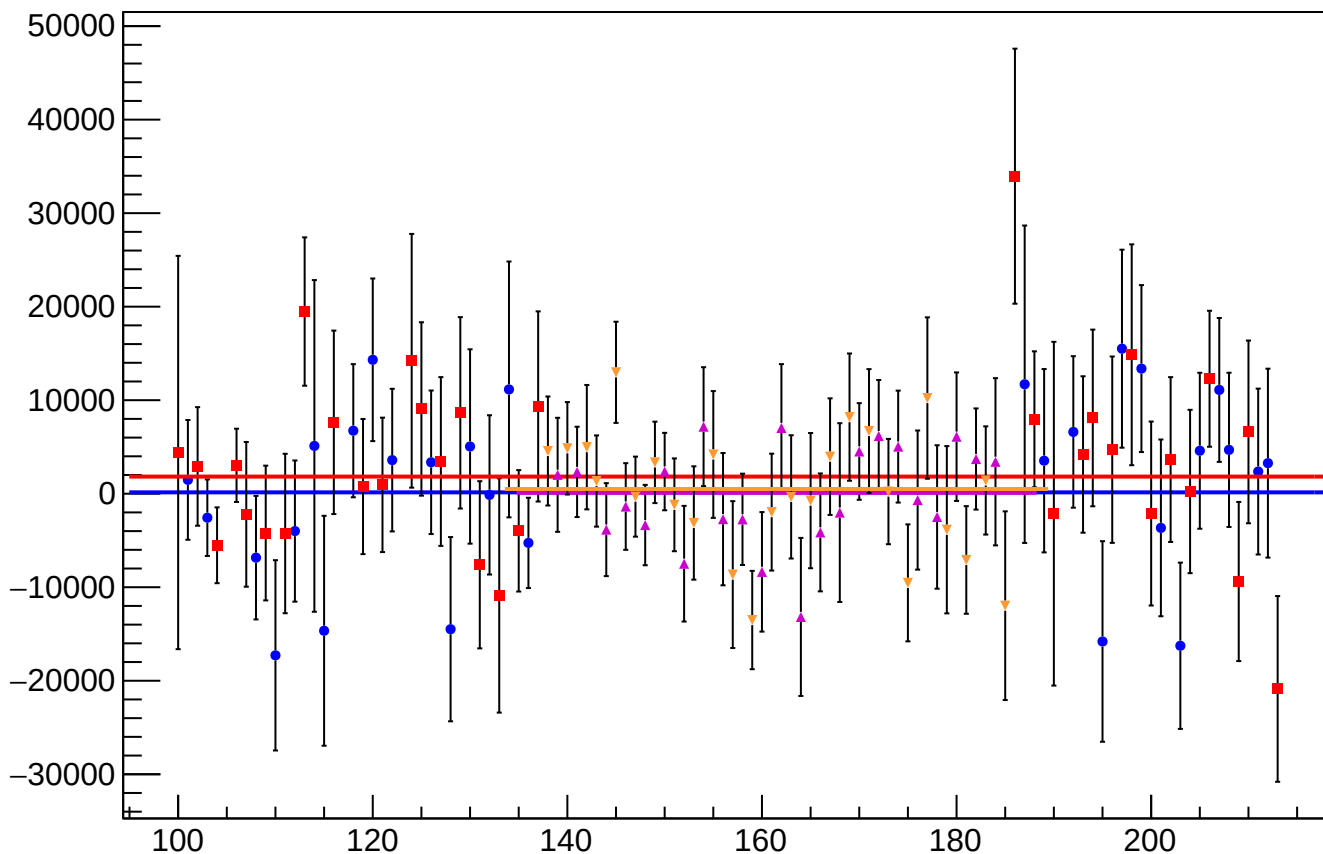
Left In: -2740.924 ± 358.458 $\chi^2/\text{NDF}: 16.4/22$

+ sign 2253.132 ± 261.081 $\chi^2/\text{NDF}: 42.7/53$

All: 1.959 ± 184.514 $\chi^2/\text{NDF}: 243.3/109$

- sign -2244.417 ± 260.803 $\chi^2/\text{NDF}: 52.1/55$

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 144.644 $\pm$ 1500.128 χ^2 /NDF: 28.7/28

Left Out: 503.846 $\pm$ 1187.304 χ^2 /NDF: 26.8/24

Right Out: 1831.451 $\pm$ 1388.670 χ^2 /NDF: 33.3/32

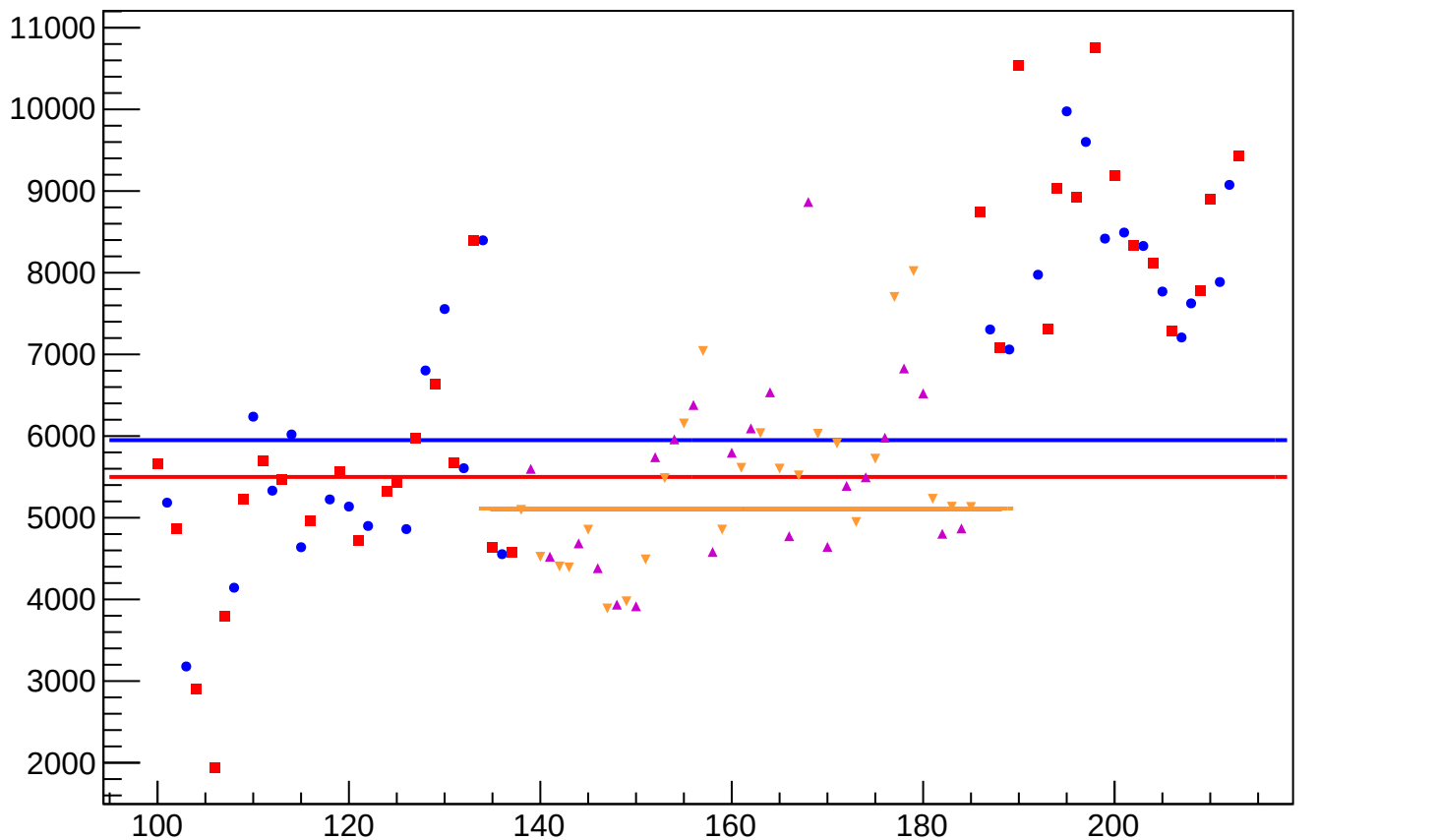
Left In: 97.910 $\pm$ 1217.585 χ^2 /NDF: 14.9/22

+ sign 365.498 $\pm$ 930.990 χ^2 /NDF: 55.5/53

All: 612.509 $\pm$ 652.767 χ^2 /NDF: 104.7/109

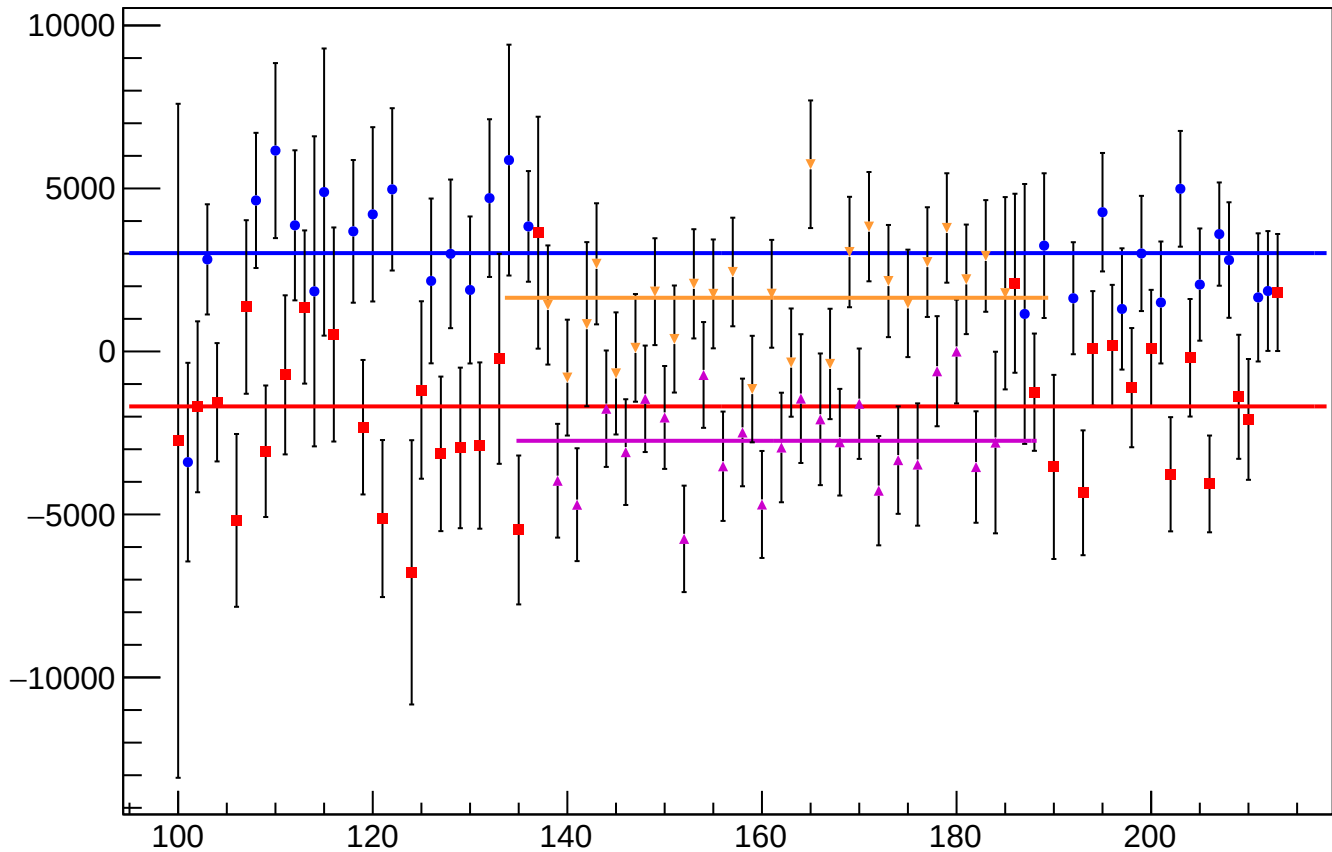
- sign 851.372 $\pm$ 915.509 χ^2 /NDF: 49.1/55

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5949.918 $\pm$ 1.061	χ^2 /NDF: 3188301.5/28	+ sign 5435.314 $\pm$ 0.658	χ^2 /NDF: 4730096.1/53
Left Out: 5112.954 $\pm$ 0.840	χ^2 /NDF: 1159010.4/24	All: 5354.935 $\pm$ 0.462	χ^2 /NDF: 11768002.5/1
Right Out: 5499.405 $\pm$ 0.982	χ^2 /NDF: 5666389.1/32	- sign 5277.207 $\pm$ 0.647	χ^2 /NDF: 7008581.8/55
Left In: 5106.386 $\pm$ 0.861	χ^2 /NDF: 1251622.3/22		

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3016.530 ± 392.351 χ^2/NDF : 14.9/28

Left Out: 1646.294 ± 349.758 χ^2/NDF : 21.0/24

Right Out: -1686.007 ± 380.161 χ^2/NDF : 31.6/32

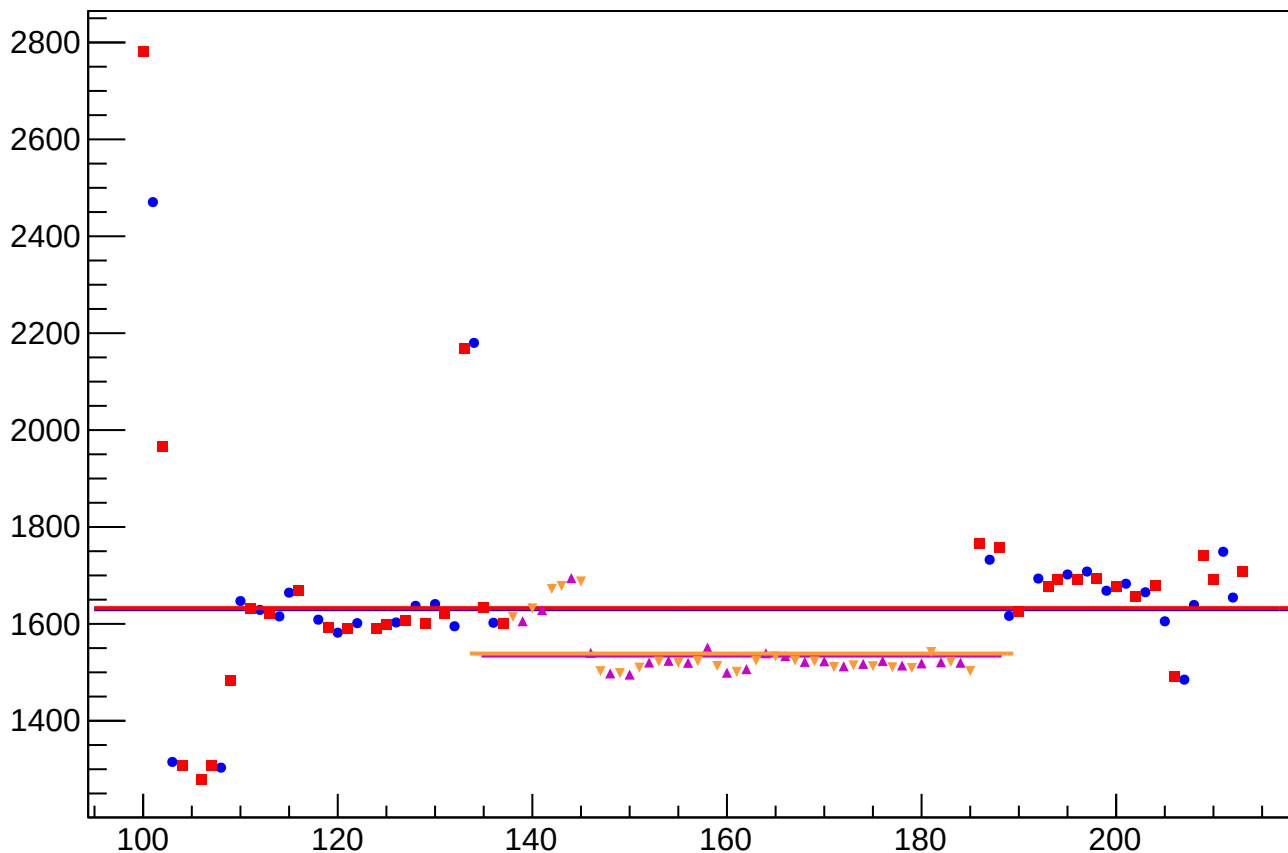
Left In: -2740.826 ± 358.458 χ^2/NDF : 16.4/22

+ sign 2253.028 ± 261.081 χ^2/NDF : 42.7/53

All: 1.926 ± 184.514 χ^2/NDF : 243.3/109

- sign -2244.383 ± 260.803 χ^2/NDF : 52.1/55

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.347 $\pm$ 0.277 χ^2 /NDF: 361126.9/28

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF: 47056.2/24

Right Out: 1632.510 $\pm$ 0.268 χ^2 /NDF: 317057.0/32

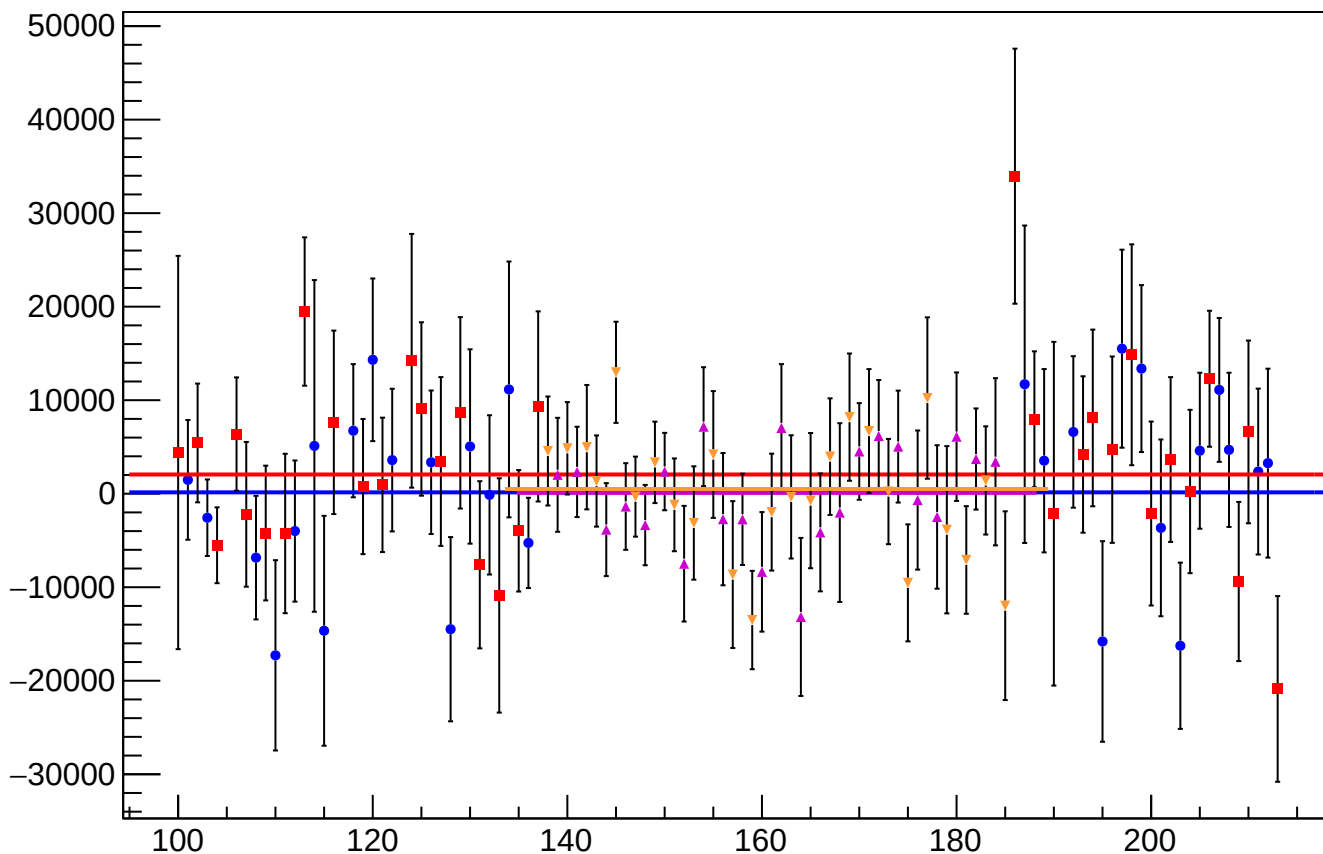
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF: 31120.6/22

+ sign 1579.342 $\pm$ 0.185 χ^2 /NDF: 468842.2/53

All: 1580.057 $\pm$ 0.130 χ^2 /NDF: 887377.2/109

- sign 1580.769 $\pm$ 0.184 χ^2 /NDF: 418505.1/55

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 144.593 $\pm$ 1500.148 χ^2 /NDF: 28.7/28

Left Out: 503.849 $\pm$ 1187.302 χ^2 /NDF: 26.8/24

Right Out: 2055.674 $\pm$ 1442.544 χ^2 /NDF: 34.0/32

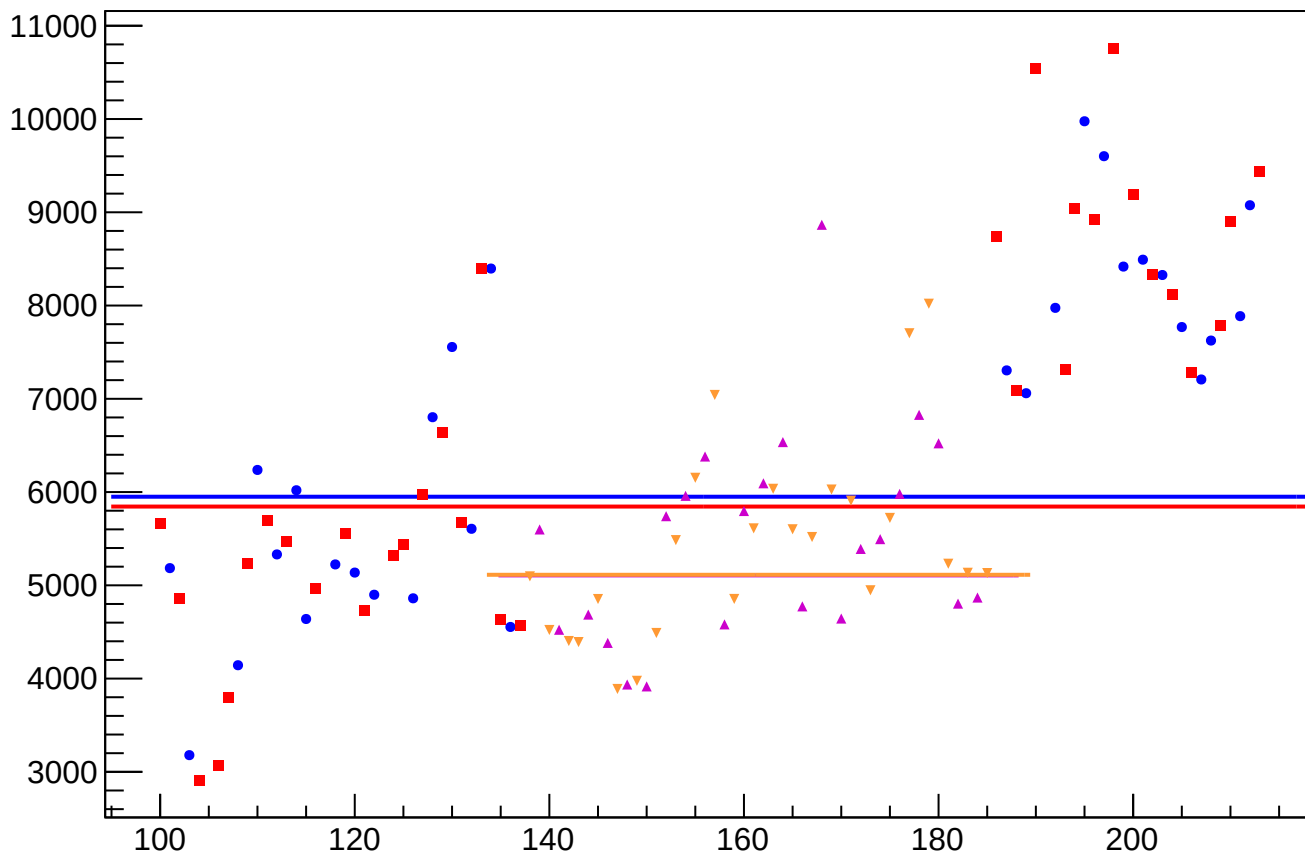
Left In: 97.930 $\pm$ 1217.585 χ^2 /NDF: 14.9/22

+ sign 365.483 $\pm$ 930.995 χ^2 /NDF: 55.5/53

All: 639.110 $\pm$ 658.120 χ^2 /NDF: 105.7/109

- sign 912.417 $\pm$ 930.450 χ^2 /NDF: 50.0/55

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5950.038 $\pm$ 1.061 χ^2 /NDF: 3187890.6/28

Left Out: 5112.947 $\pm$ 0.840 χ^2 /NDF: 1159023.2/24

Right Out: 5844.507 $\pm$ 1.020 χ^2 /NDF: 4221536.7/32

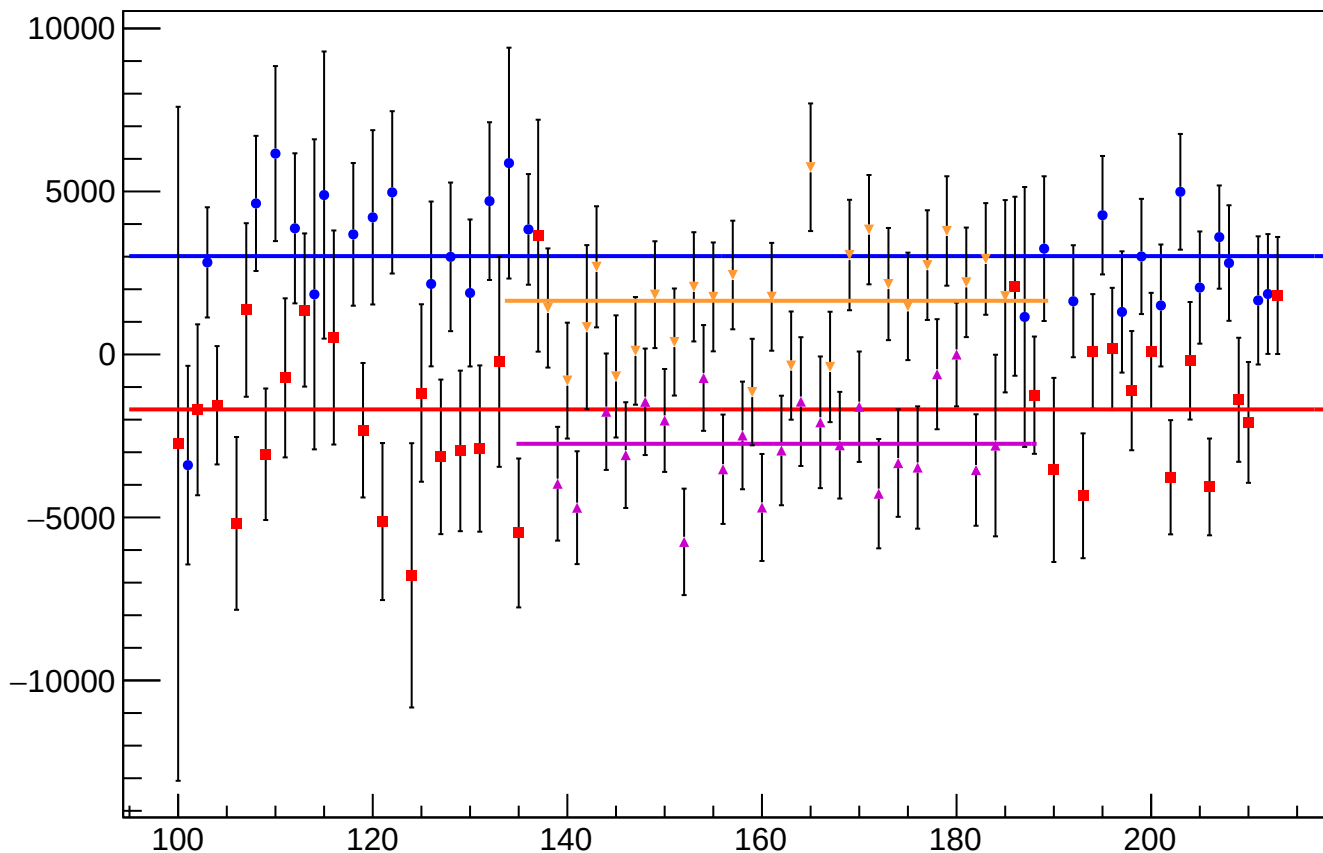
Left In: 5106.384 $\pm$ 0.861 χ^2 /NDF: 1251622.9/22

+ sign 5435.349 $\pm$ 0.658 χ^2 /NDF: 4729808.3/53

All: 5424.402 $\pm$ 0.465 χ^2 /NDF: 10509306.5/100

- sign 5413.468 $\pm$ 0.658 χ^2 /NDF: 5778945.4/55

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3016.530 $\pm$ 392.351 χ^2/NDF : 14.9/28

Left Out: 1646.294 $\pm$ 349.758 χ^2/NDF : 21.0/24

Right Out: -1686.007 $\pm$ 380.161 χ^2/NDF : 31.6/32

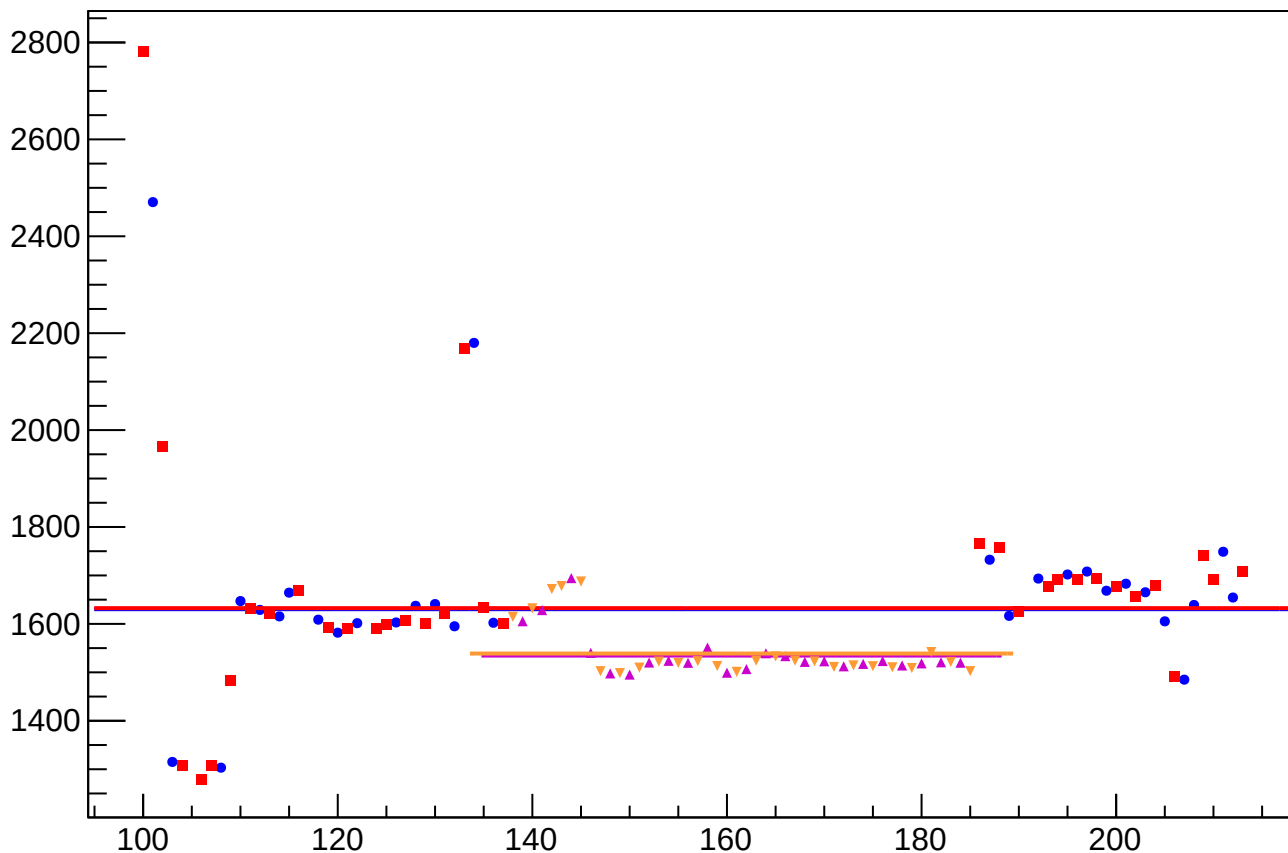
Left In: -2740.826 $\pm$ 358.458 χ^2/NDF : 16.4/22

+ sign 2253.028 $\pm$ 261.081 χ^2/NDF : 42.7/53

All: 1.926 $\pm$ 184.514 χ^2/NDF : 243.3/109

- sign -2244.383 $\pm$ 260.803 χ^2/NDF : 52.1/55

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.347 $\pm$ 0.277 χ^2 /NDF: 361126.9/28

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF: 47056.2/24

Right Out: 1632.510 $\pm$ 0.268 χ^2 /NDF: 317057.0/32

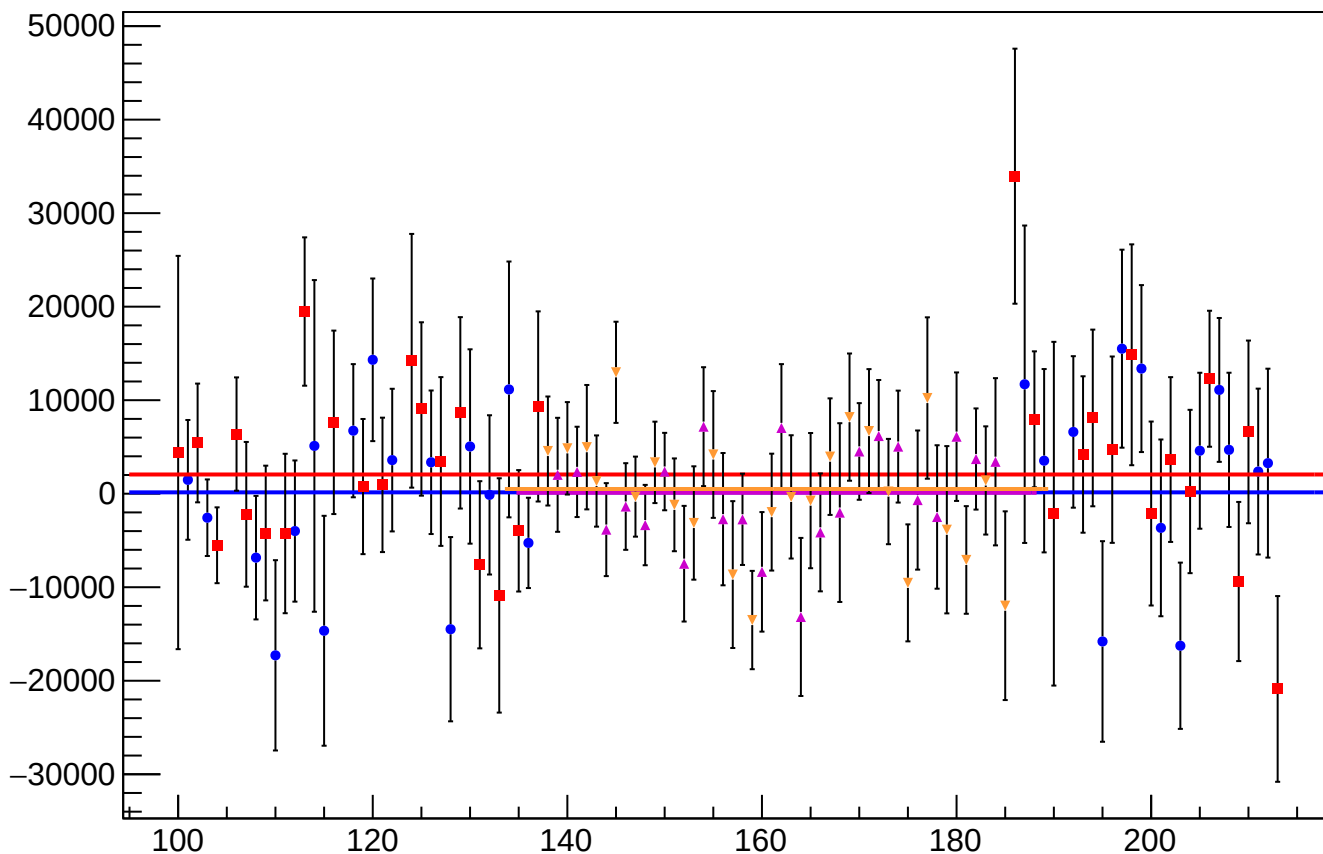
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF: 31120.6/22

+ sign 1579.342 $\pm$ 0.185 χ^2 /NDF: 468842.2/53

All: 1580.057 $\pm$ 0.130 χ^2 /NDF: 887377.2/109

- sign 1580.769 $\pm$ 0.184 χ^2 /NDF: 418505.1/55

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: 144.593+/-1500.148 χ^2/NDF : 28.7/28

Left Out: 503.849+/-1187.302 χ^2/NDF : 26.8/24

Right Out: 2055.674+/-1442.544 χ^2/NDF : 34.0/32

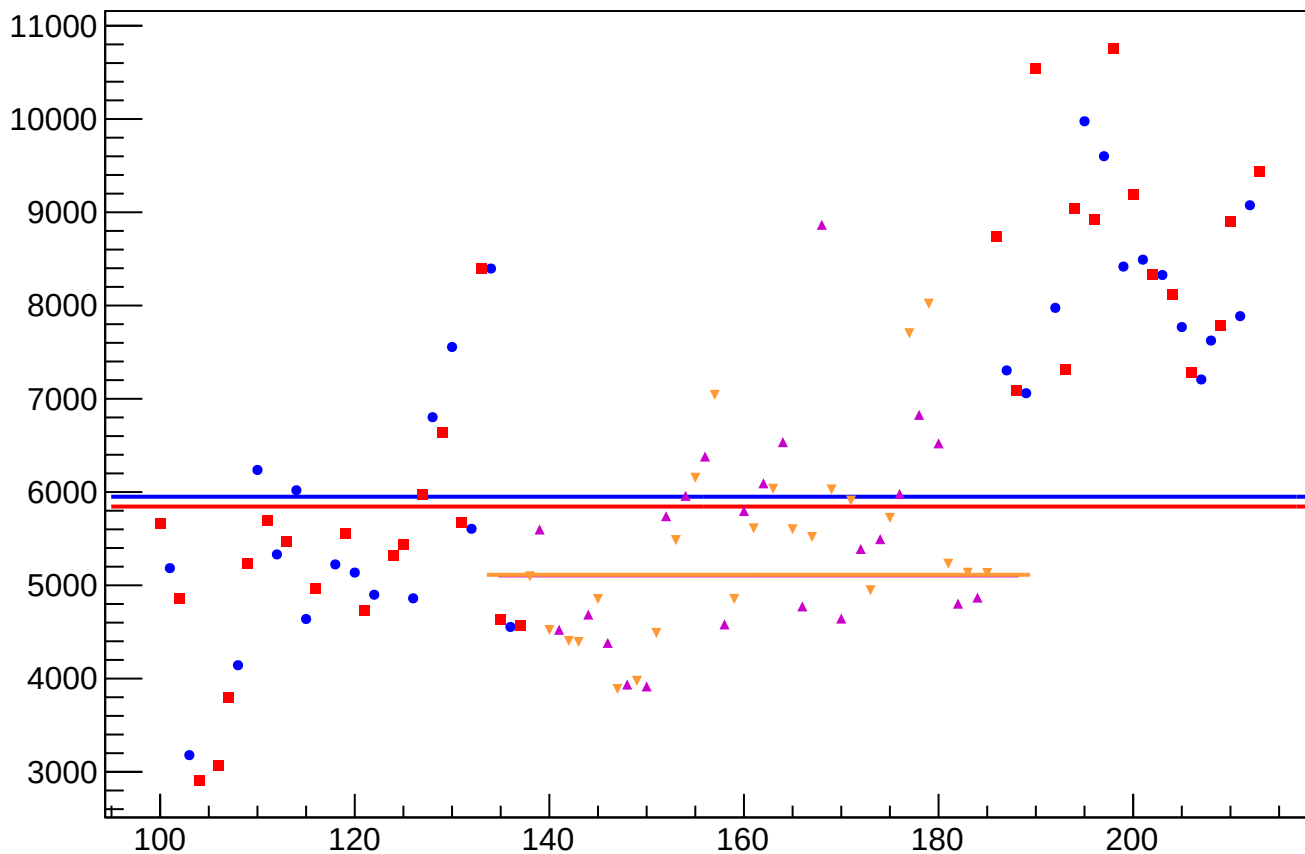
Left In: 97.930+/-1217.585 χ^2/NDF : 14.9/22

+ sign 365.483+/-930.995 χ^2/NDF : 55.5/53

All: 639.110+/-658.120 χ^2/NDF : 105.7/109

- sign 912.417+/-930.450 χ^2/NDF : 50.0/55

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5950.038 $\pm$ 1.061 χ^2 /NDF: 3187890.6/28

Left Out: 5112.947 $\pm$ 0.840 χ^2 /NDF: 1159023.2/24

Right Out: 5844.507 $\pm$ 1.020 χ^2 /NDF: 4221536.7/32

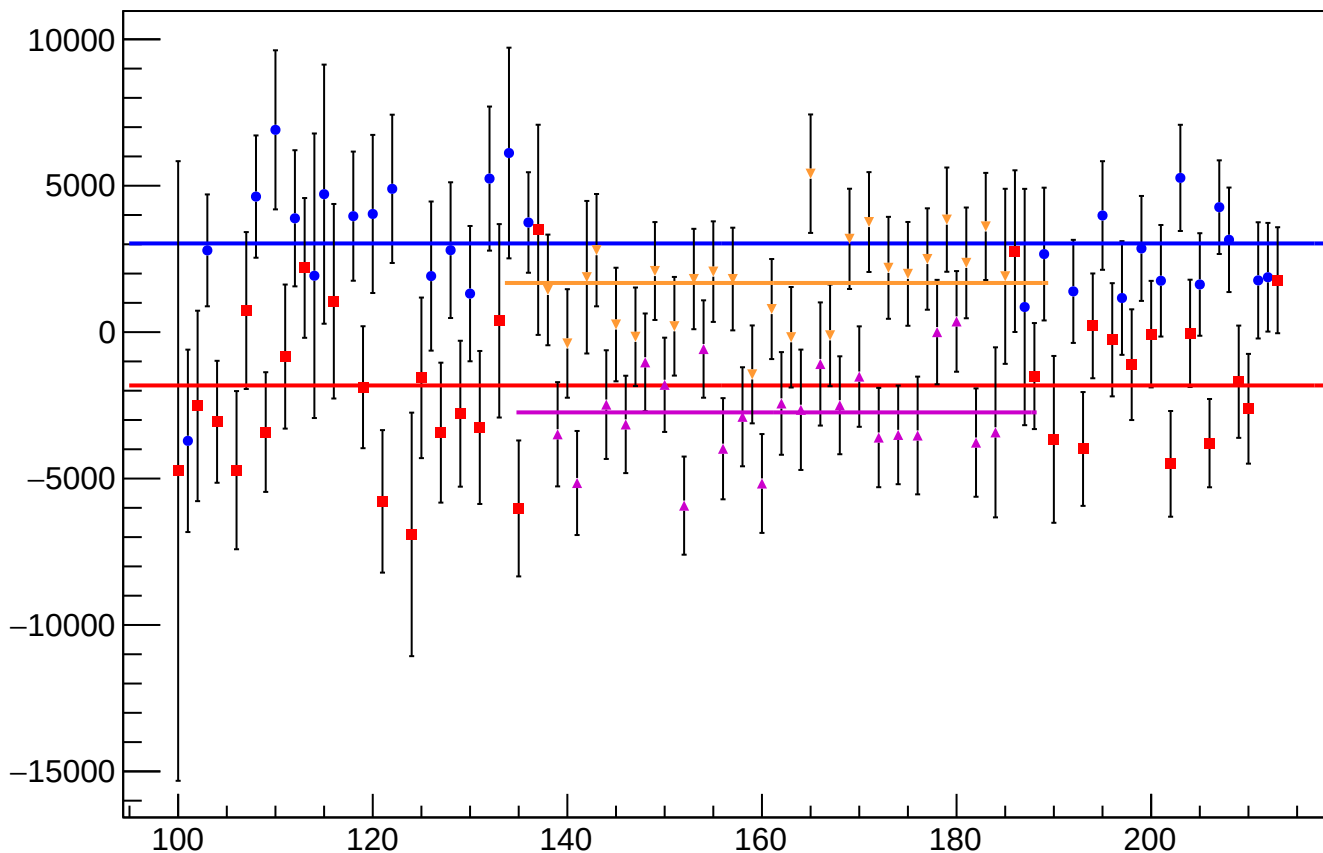
Left In: 5106.384 $\pm$ 0.861 χ^2 /NDF: 1251622.9/22

+ sign 5435.349 $\pm$ 0.658 χ^2 /NDF: 4729808.3/53

All: 5424.402 $\pm$ 0.465 χ^2 /NDF: 10509306.5/100

- sign 5413.468 $\pm$ 0.658 χ^2 /NDF: 5778945.4/55

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3029.030 $\pm$ 400.608 χ^2/NDF : 17.4/28

Left Out: 1679.163 $\pm$ 362.391 χ^2/NDF : 19.0/24

Right Out: -1820.629 $\pm$ 389.158 χ^2/NDF : 34.3/32

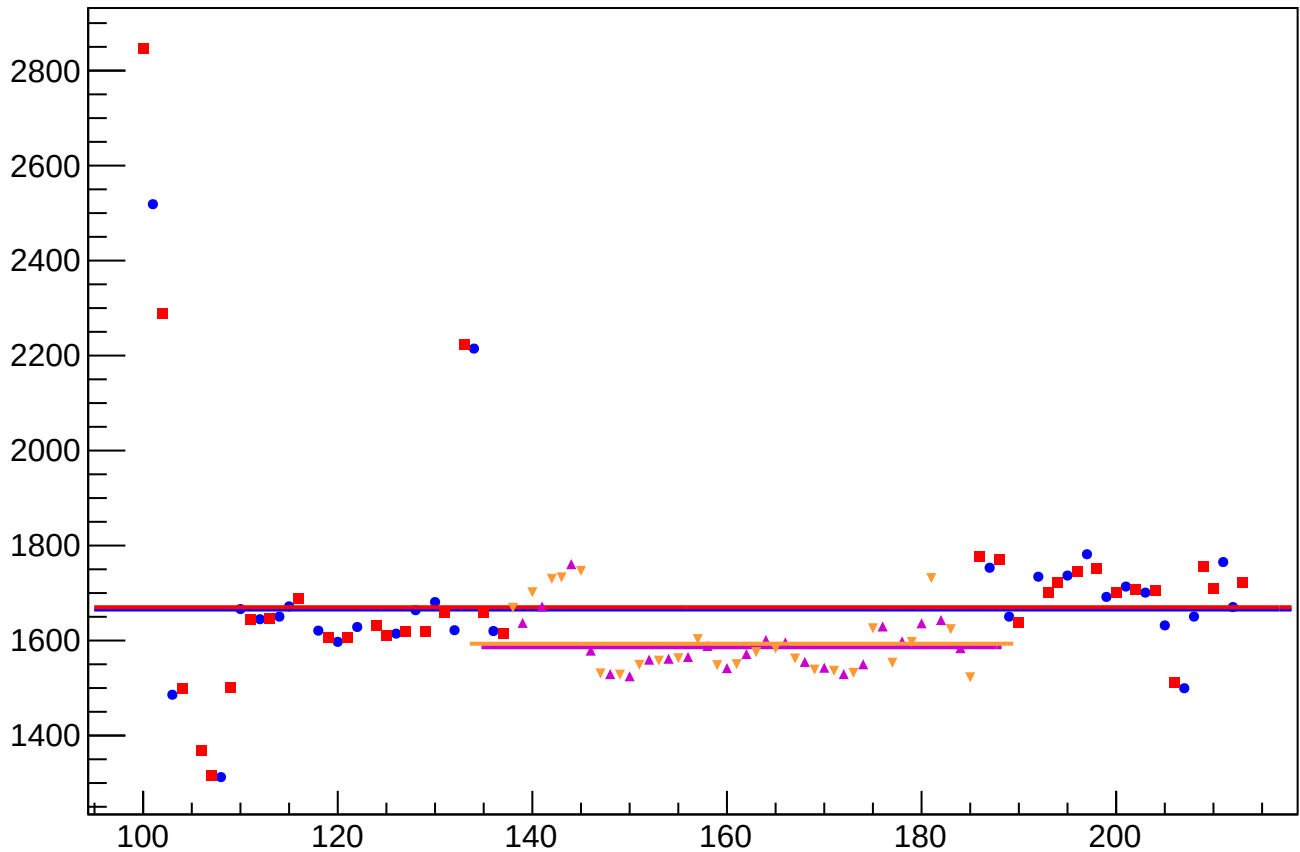
Left In: -2740.666 $\pm$ 370.604 χ^2/NDF : 19.2/22

+ sign 2286.654 $\pm$ 268.747 χ^2/NDF : 42.6/53

All: -11.393 $\pm$ 189.902 χ^2/NDF : 245.0/109

- sign -2303.102 $\pm$ 268.376 χ^2/NDF : 56.4/55

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1665.308 $\pm$ 0.283 χ^2 /NDF: 321396.3/28

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.4/24

+ sign 1625.755 $\pm$ 0.190 χ^2 /NDF: 428723.9/53

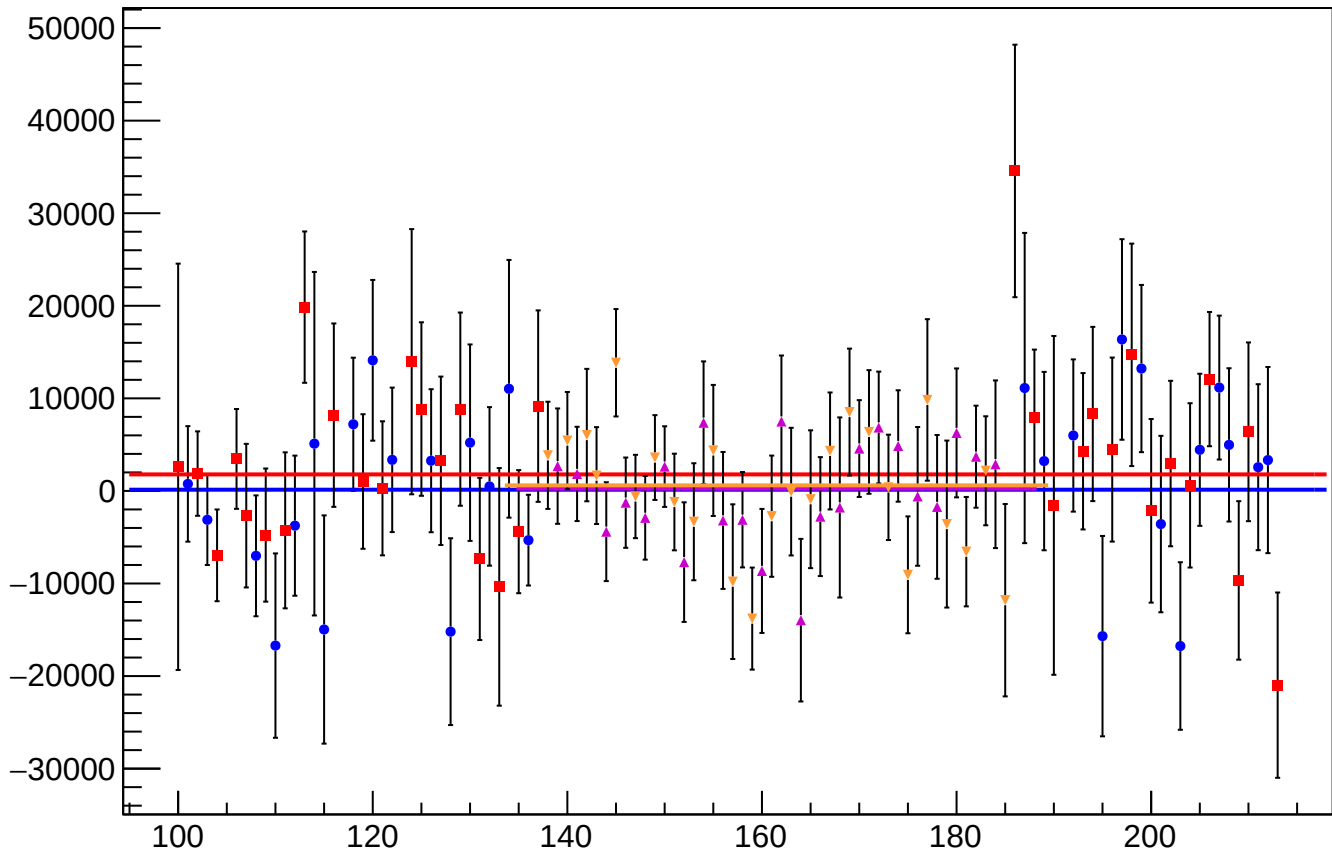
Right Out: 1670.147 $\pm$ 0.275 χ^2 /NDF: 296873.2/32

All: 1625.874 $\pm$ 0.134 χ^2 /NDF: 816664.6/109

Left In: 1585.918 $\pm$ 0.262 χ^2 /NDF: 41915.3/22

- sign 1625.992 $\pm$ 0.190 χ^2 /NDF: 387940.0/55

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 132.674 $\pm$ 1537.598 χ^2 /NDF: 28.6/28

Left Out: 601.820 $\pm$ 1233.559 χ^2 /NDF: 26.0/24

Right Out: 1785.803 $\pm$ 1435.610 χ^2 /NDF: 33.1/32

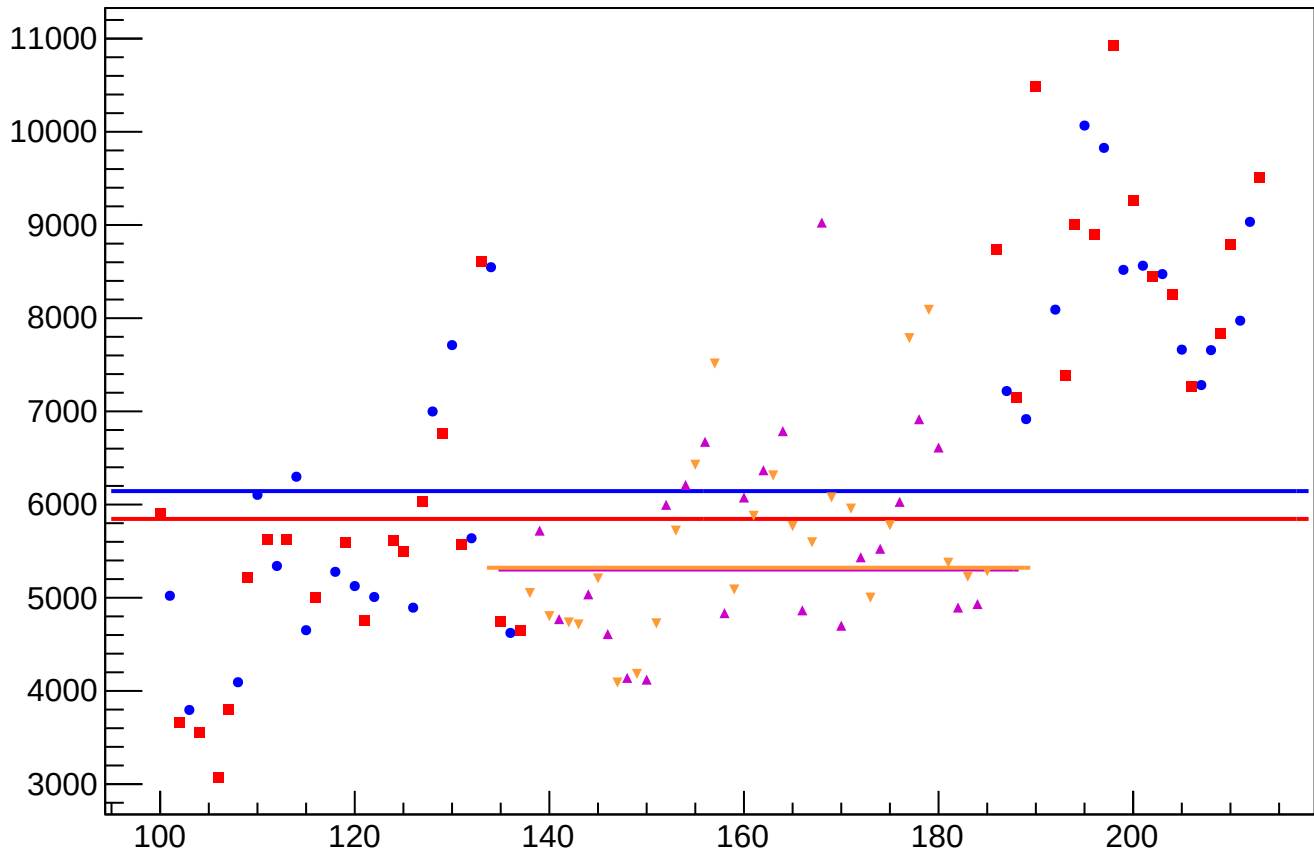
Left In: 255.905 $\pm$ 1262.607 χ^2 /NDF: 14.6/22

+ sign 418.108 $\pm$ 962.184 χ^2 /NDF: 54.7/53

All: 674.360 $\pm$ 675.331 χ^2 /NDF: 103.2/109

- sign 923.162 $\pm$ 948.095 χ^2 /NDF: 48.4/55

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6144.416+/-1.087 χ^2/NDF : 2698261.5/28

Left Out: 5321.956+/-0.872 χ^2/NDF : 1037009.2/24

Right Out: 5845.739+/-1.015 χ^2/NDF : 4142097.2/32

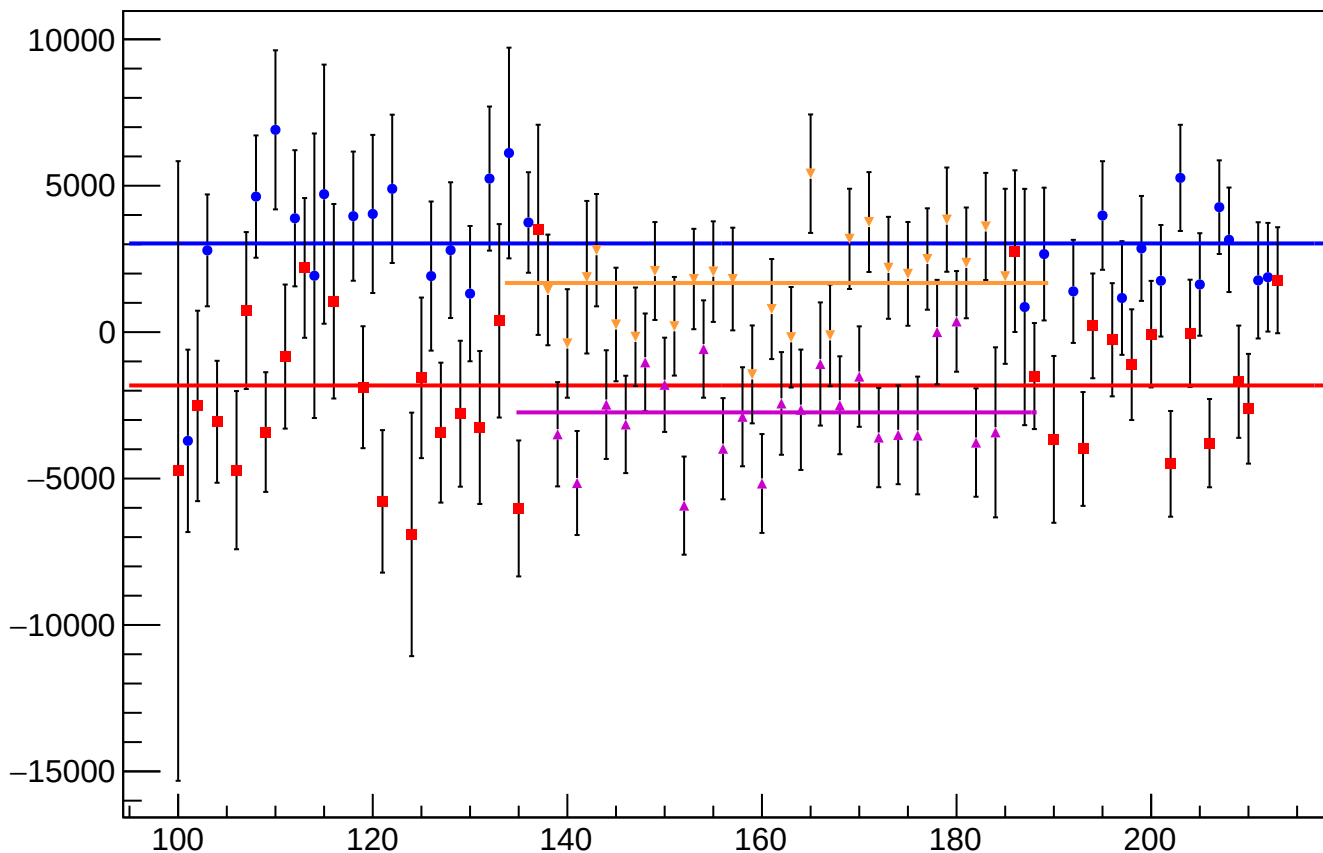
Left In: 5302.849+/-0.893 χ^2/NDF : 1152376.1/22

+ sign 5644.022+/-0.680 χ^2/NDF : 4083424.2/53

All: 5591.055+/-0.478 χ^2/NDF : 9551110.6/10

- sign 5539.628+/-0.670 χ^2/NDF : 5455741.0/55

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3029.028 $\pm$ 400.608 χ^2/NDF : 17.4/28

Left Out: 1679.156 $\pm$ 362.392 χ^2/NDF : 19.0/24

Right Out: -1820.630 $\pm$ 389.158 χ^2/NDF : 34.3/32

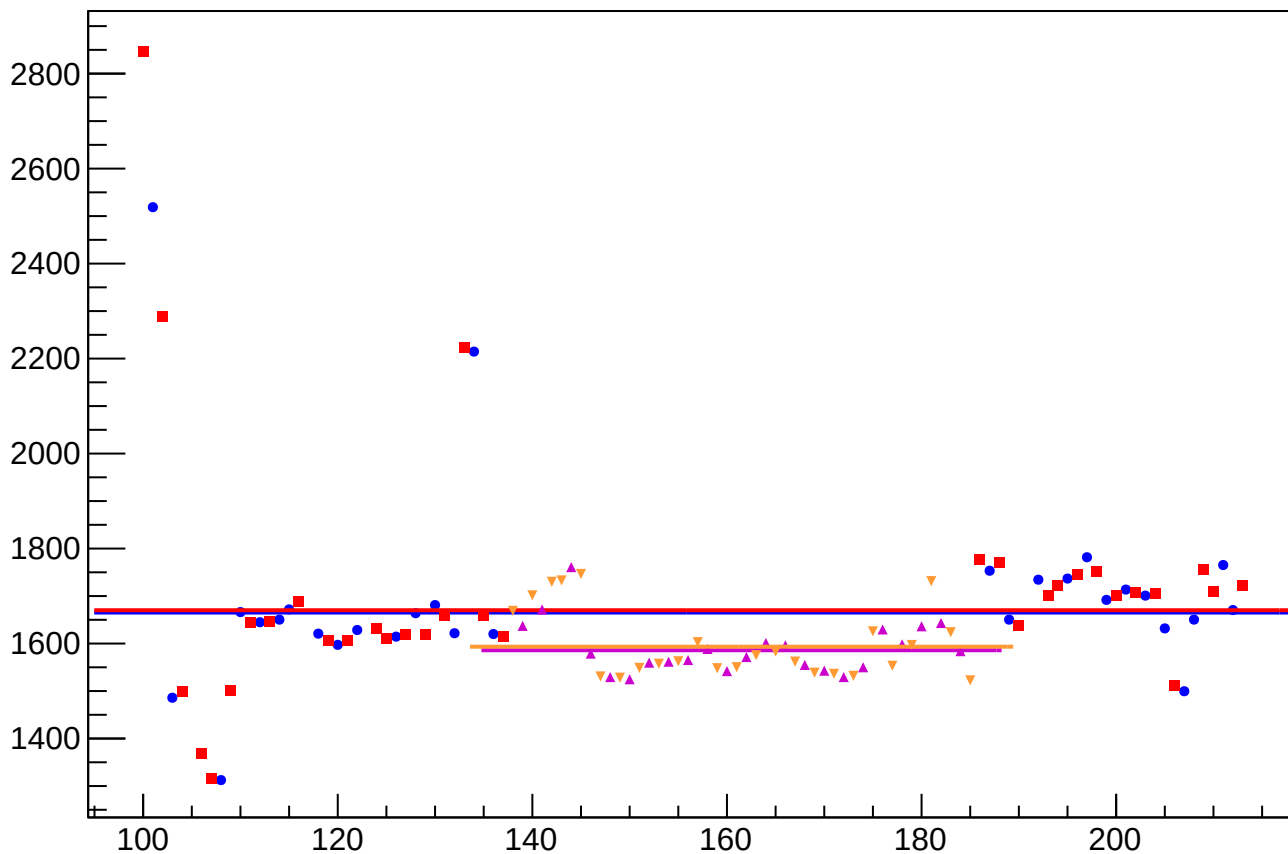
Left In: -2740.666 $\pm$ 370.605 χ^2/NDF : 19.2/22

+ sign 2286.650 $\pm$ 268.747 χ^2/NDF : 42.6/53

All: -11.395 $\pm$ 189.902 χ^2/NDF : 245.0/109

- sign -2303.102 $\pm$ 268.376 χ^2/NDF : 56.4/55

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1665.308 $\pm$ 0.283 χ^2 /NDF: 321396.6/28

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.3/24

Right Out: 1670.147 $\pm$ 0.275 χ^2 /NDF: 296873.3/32

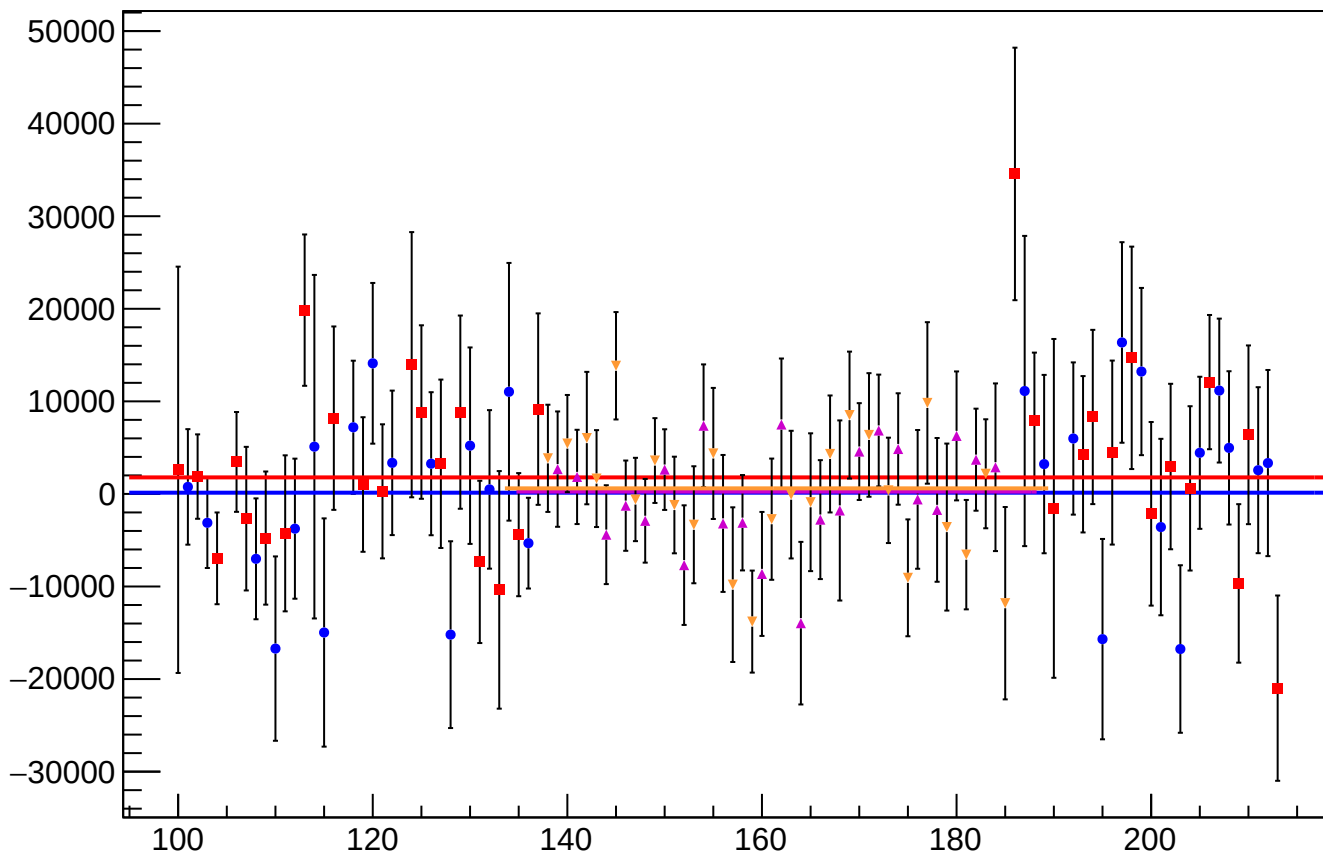
Left In: 1585.919 $\pm$ 0.262 χ^2 /NDF: 41915.1/22

+ sign 1625.755 $\pm$ 0.190 χ^2 /NDF: 428722.9/53

All: 1625.874 $\pm$ 0.134 χ^2 /NDF: 816662.2/109

- sign 1625.993 $\pm$ 0.190 χ^2 /NDF: 387938.5/55

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: 132.680 $\pm$ 1537.597 χ^2 /NDF: 28.6/28

Left Out: 601.817 $\pm$ 1233.561 χ^2 /NDF:26.0/24

Right Out: 1785.800 $\pm$ 1435.609 χ^2 /NDF: 33.1/32

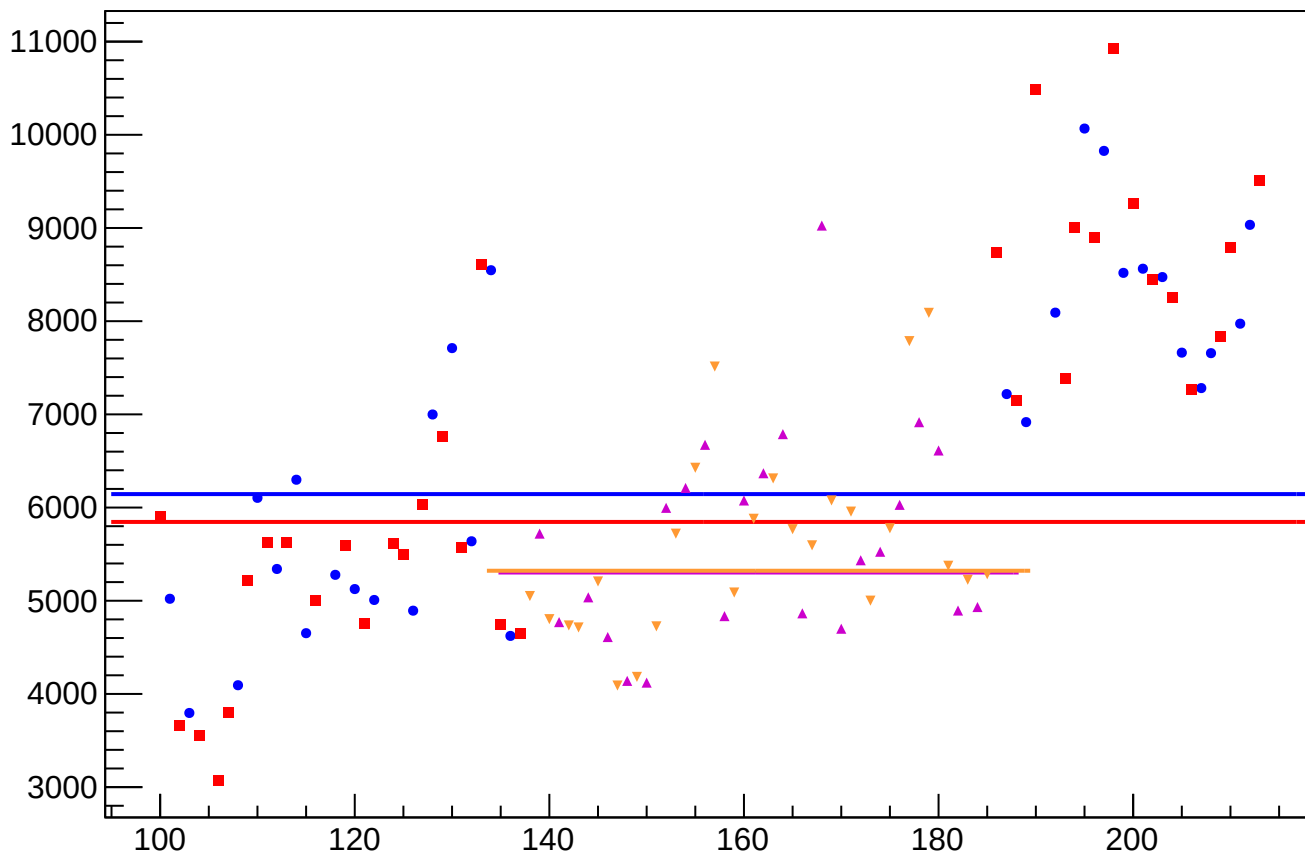
Left In: 255.907 $\pm$ 1262.609 χ^2 /NDF:14.6/22

+ sign 418.107 $\pm$ 962.185 χ^2 /NDF: 54.7/53

All: 674.361 $\pm$ 675.331 χ^2 /NDF: 103.2/109

- sign 923.164 $\pm$ 948.096 χ^2 /NDF: 48.4/55

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6144.412 ± 1.087 $\chi^2/\text{NDF}: 2698277.9/28$

Left Out: 5321.965 ± 0.872 $\chi^2/\text{NDF}: 1037011.4/24$

Right Out: 5845.733 ± 1.015 $\chi^2/\text{NDF}: 4142114.8/32$

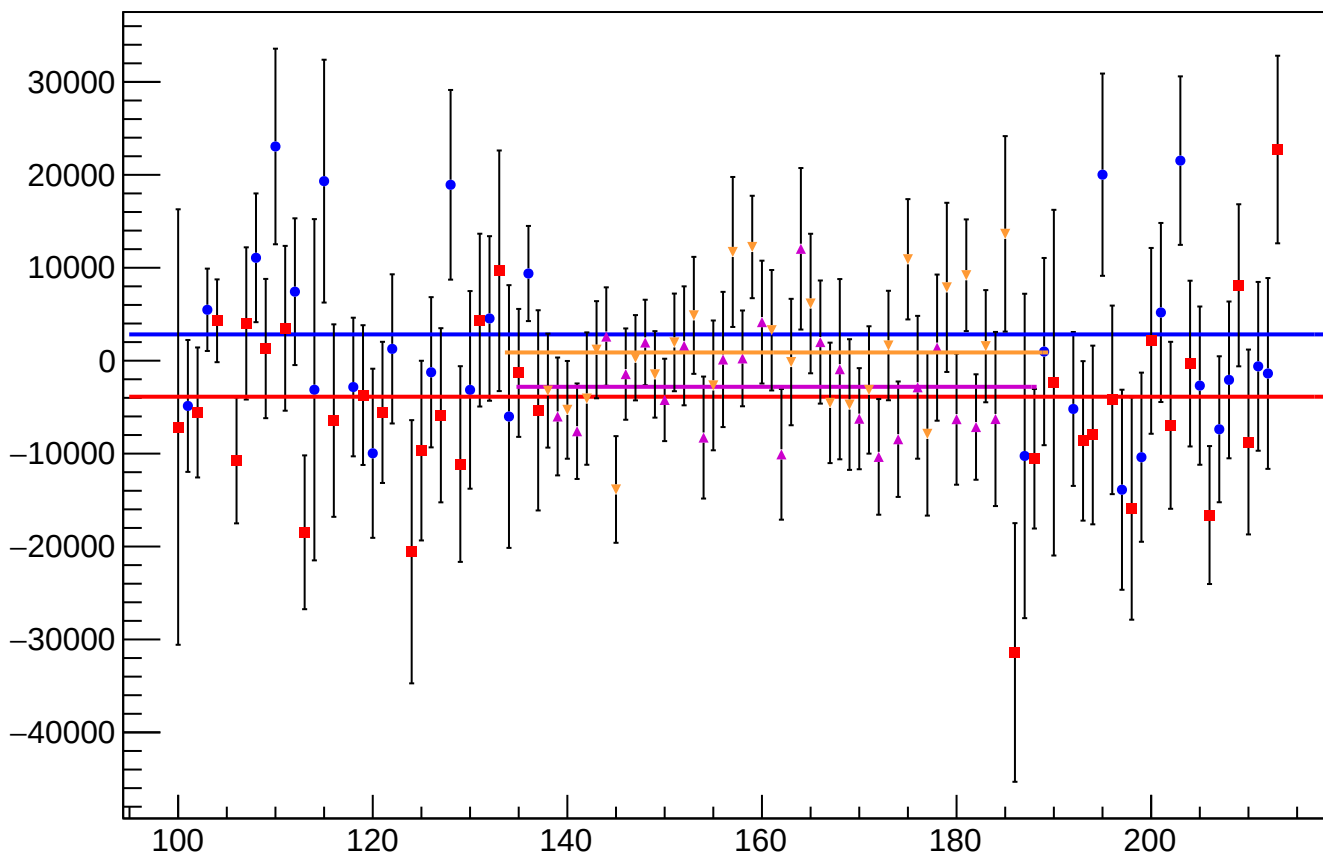
Left In: 5302.858 ± 0.893 $\chi^2/\text{NDF}: 1152380.1/22$

+ sign 5644.028 ± 0.680 $\chi^2/\text{NDF}: 4083431.3/53$

All: 5591.059 ± 0.478 $\chi^2/\text{NDF}: 9551130.9/10$

- sign 5539.631 ± 0.670 $\chi^2/\text{NDF}: 5455753.8/55$

asym_usr_atr2_avg_mean vs Slug



Right In: 2828.461 ± 1569.115 χ^2/NDF : 32.0/28

Left Out: 885.482 ± 1246.500 χ^2/NDF : 25.7/24

+ sign 1637.228 ± 976.015 χ^2/NDF : 58.6/53

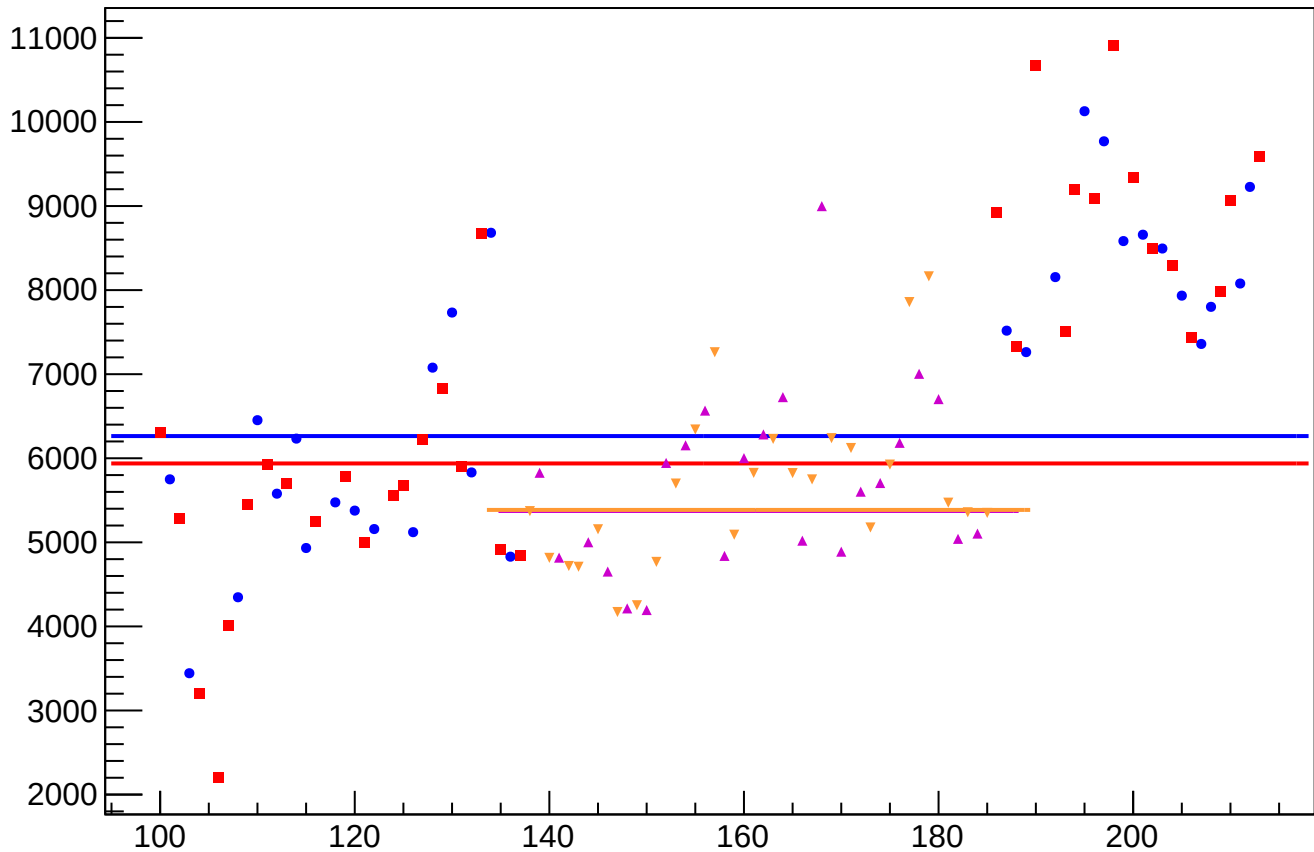
Right Out: -3877.526 ± 1515.924 χ^2/NDF : 32.9/32

All: -806.336 ± 690.408 χ^2/NDF : 119.1/109

Left In: -2810.702 ± 1277.225 χ^2/NDF : 14.7/22

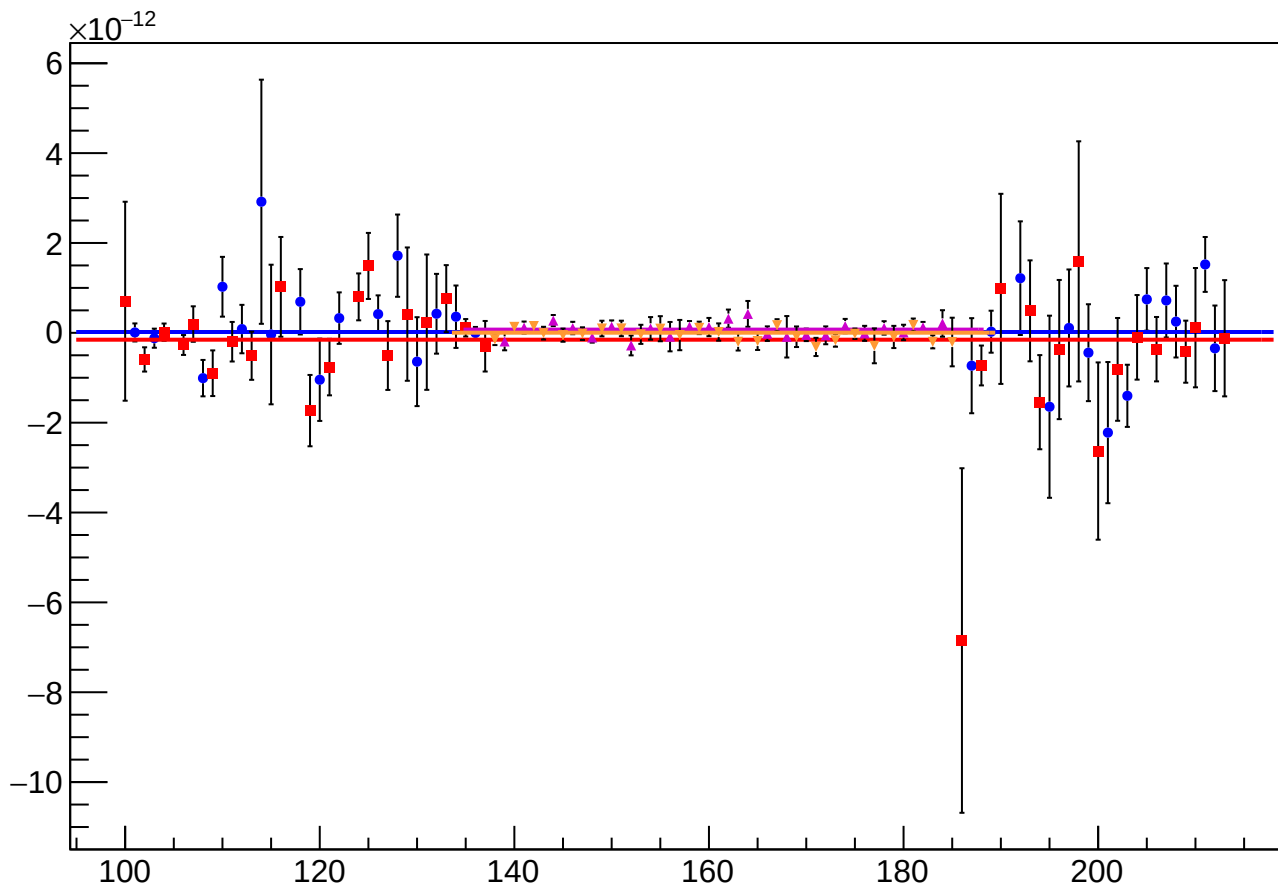
- sign -3253.606 ± 976.755 χ^2/NDF : 47.9/55

asym_usr_atr2_avg_rms vs Slug



Right In: 6263.979+/-1.110	χ^2/NDF : 2802397.3/28	+ sign 5725.481+/-0.690	χ^2/NDF : 4173689.1/53
Left Out: 5385.653+/-0.881	χ^2/NDF : 987089.3/24		
Right Out: 5938.280+/-1.045	χ^2/NDF : 4663062.9/32	All: 5669.524+/-0.486	χ^2/NDF : 10089216.9/100
Left In: 5372.867+/-0.903	χ^2/NDF : 1071821.2/22	- sign 5614.681+/-0.683	χ^2/NDF : 5902510.6/55

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 34.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :18.3/24

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 35.1/32

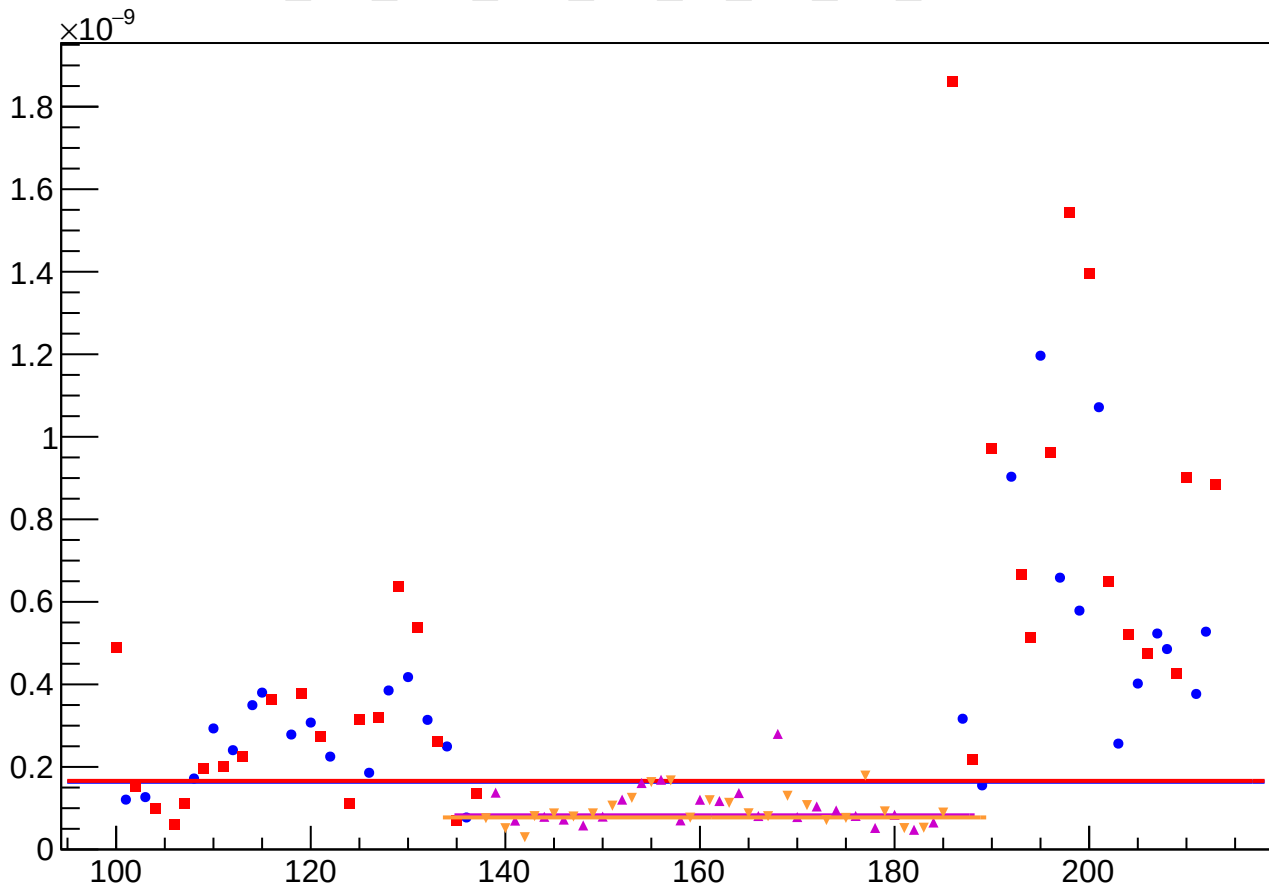
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :15.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 53.0/53

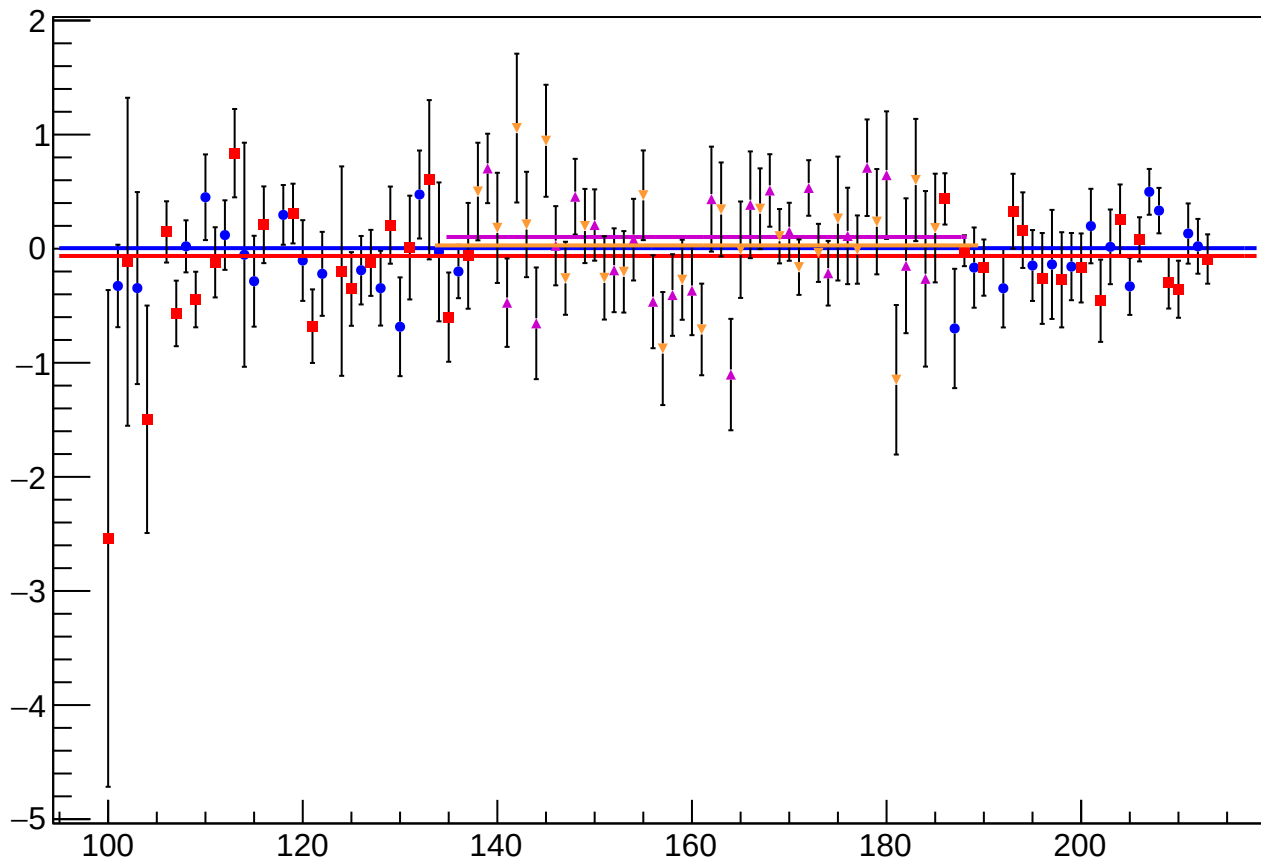
All: 0.000 $\pm$ 0.000 χ^2/NDF : 110.7/109

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 57.0/55

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.058 χ^2/NDF : 26.0/28

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.064 ± 0.051 χ^2/NDF : 38.6/32

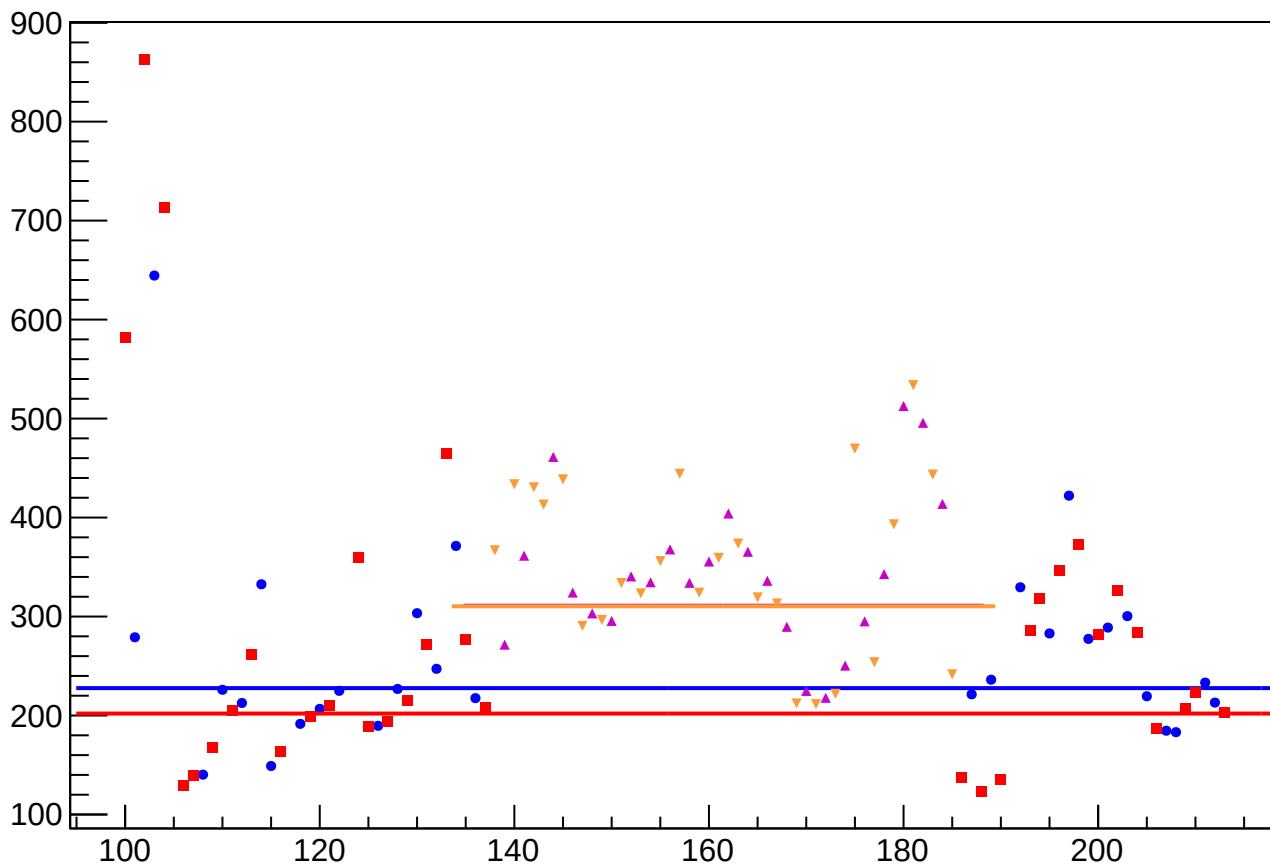
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.014 ± 0.046 χ^2/NDF : 51.4/53

All: 0.000 ± 0.031 χ^2/NDF : 125.7/109

- sign -0.012 ± 0.043 χ^2/NDF : 74.1/55

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 227.688+/-0.041 χ^2/NDF : 2189052.0/28

Left Out: 310.359+/-0.053 χ^2/NDF : 2363086.4/24

Right Out: 201.971+/-0.036 χ^2/NDF : 4355202.9/32

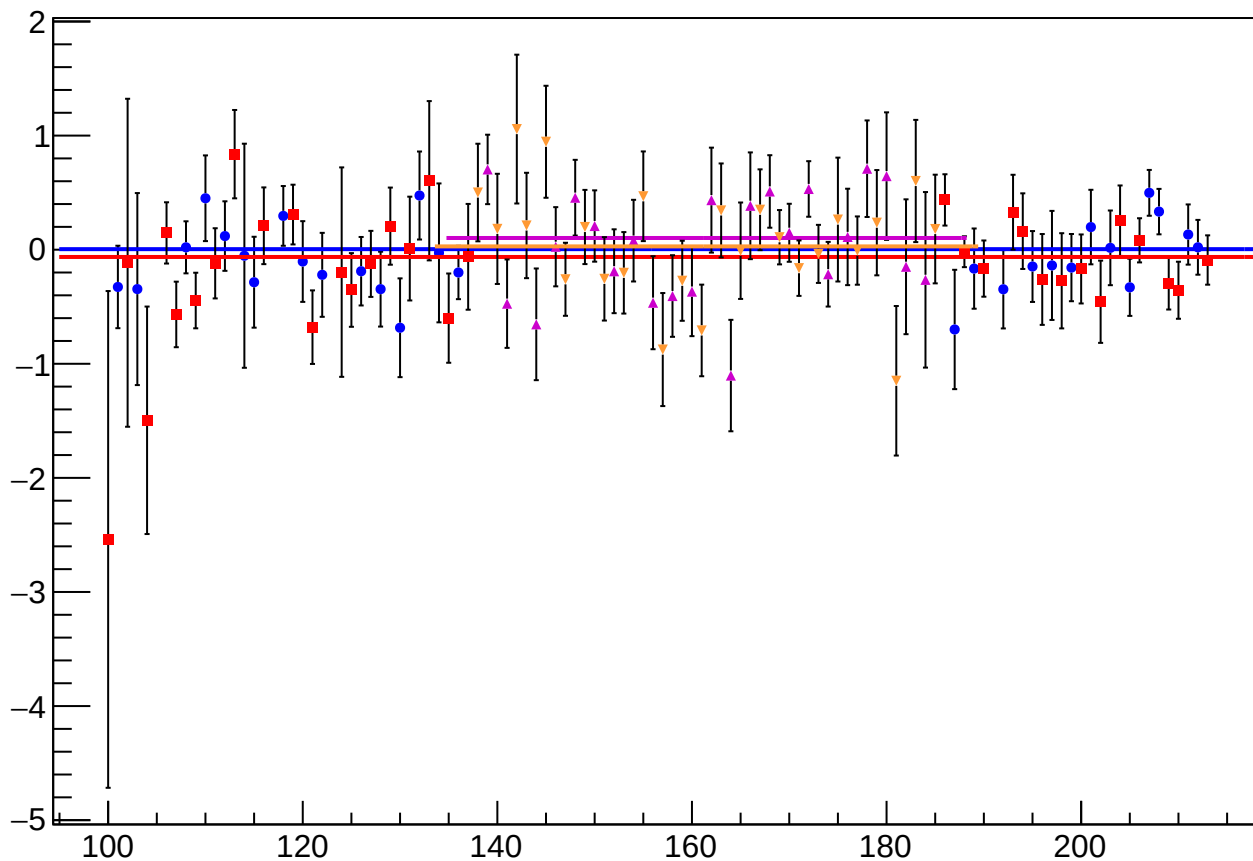
Left In: 310.960+/-0.054 χ^2/NDF : 1600370.0/22

+ sign 258.638+/-0.032 χ^2/NDF : 6086003.1/53

All: 246.557+/-0.022 χ^2/NDF : 15111974.2/10

- sign 236.037+/-0.030 χ^2/NDF : 8764330.7/55

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.058 χ^2/NDF : 26.0/28

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.064 ± 0.051 χ^2/NDF : 38.6/32

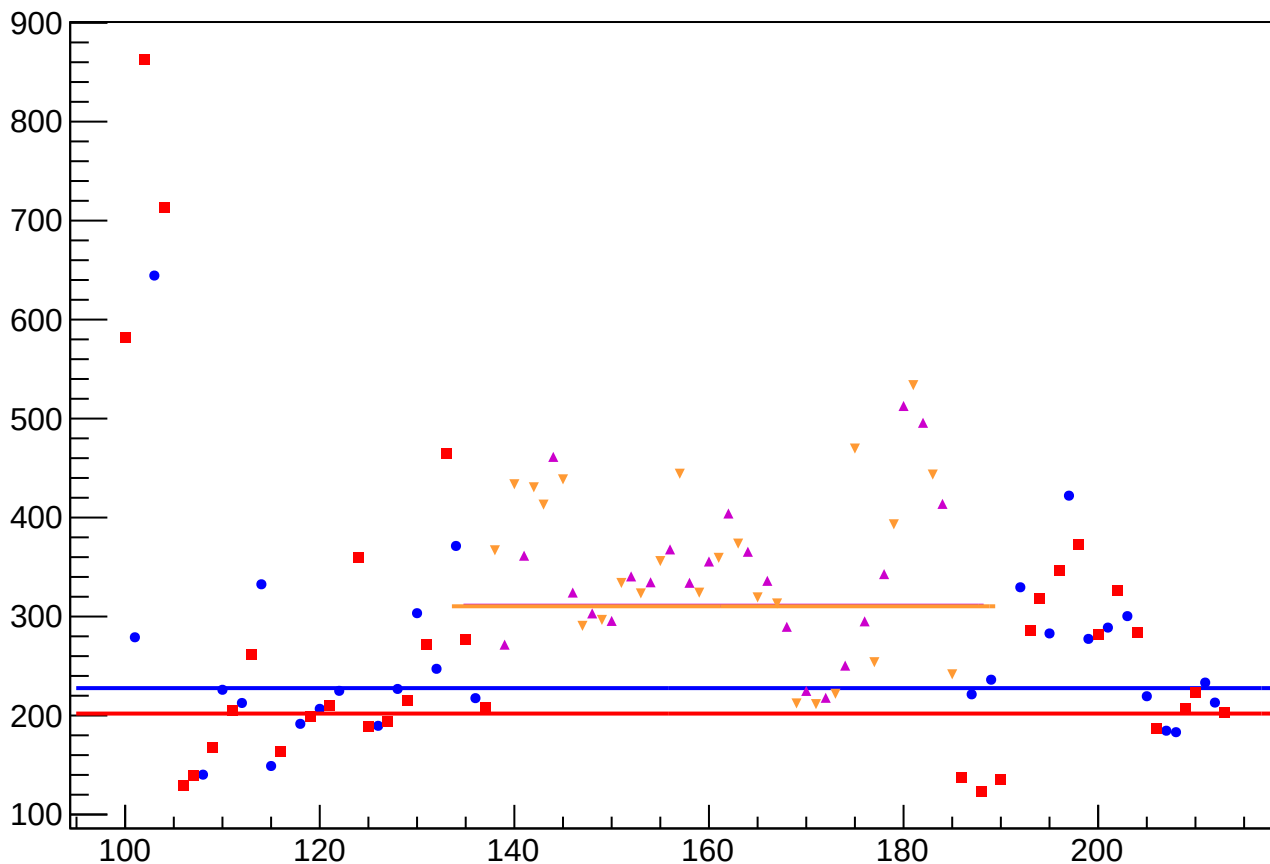
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.014 ± 0.046 χ^2/NDF : 51.4/53

All: 0.000 ± 0.031 χ^2/NDF : 125.7/109

- sign -0.012 ± 0.043 χ^2/NDF : 74.1/55

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 227.688 $\pm$ 0.041 χ^2 /NDF: 2189052.0/28

Left Out: 310.359 $\pm$ 0.053 χ^2 /NDF: 2363086.4/24

Right Out: 201.971 $\pm$ 0.036 χ^2 /NDF: 4355202.9/32

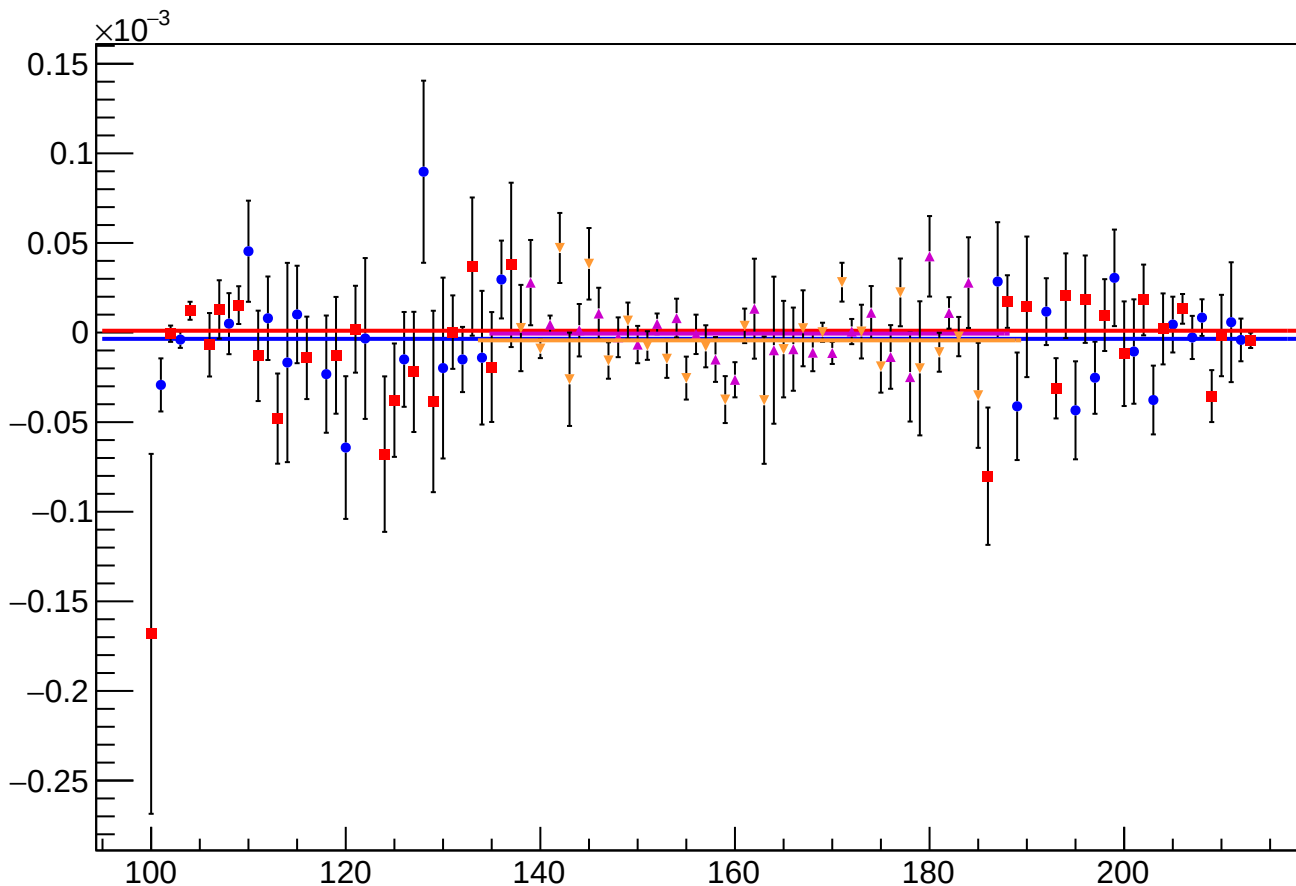
Left In: 310.960 $\pm$ 0.054 χ^2 /NDF: 1600370.0/22

+ sign 258.638 $\pm$ 0.032 χ^2 /NDF: 6086003.1/53

All: 246.557 $\pm$ 0.022 χ^2 /NDF: 15111974.2/10

- sign 236.037 $\pm$ 0.030 χ^2 /NDF: 8764330.7/55

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.9/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 44.1/32

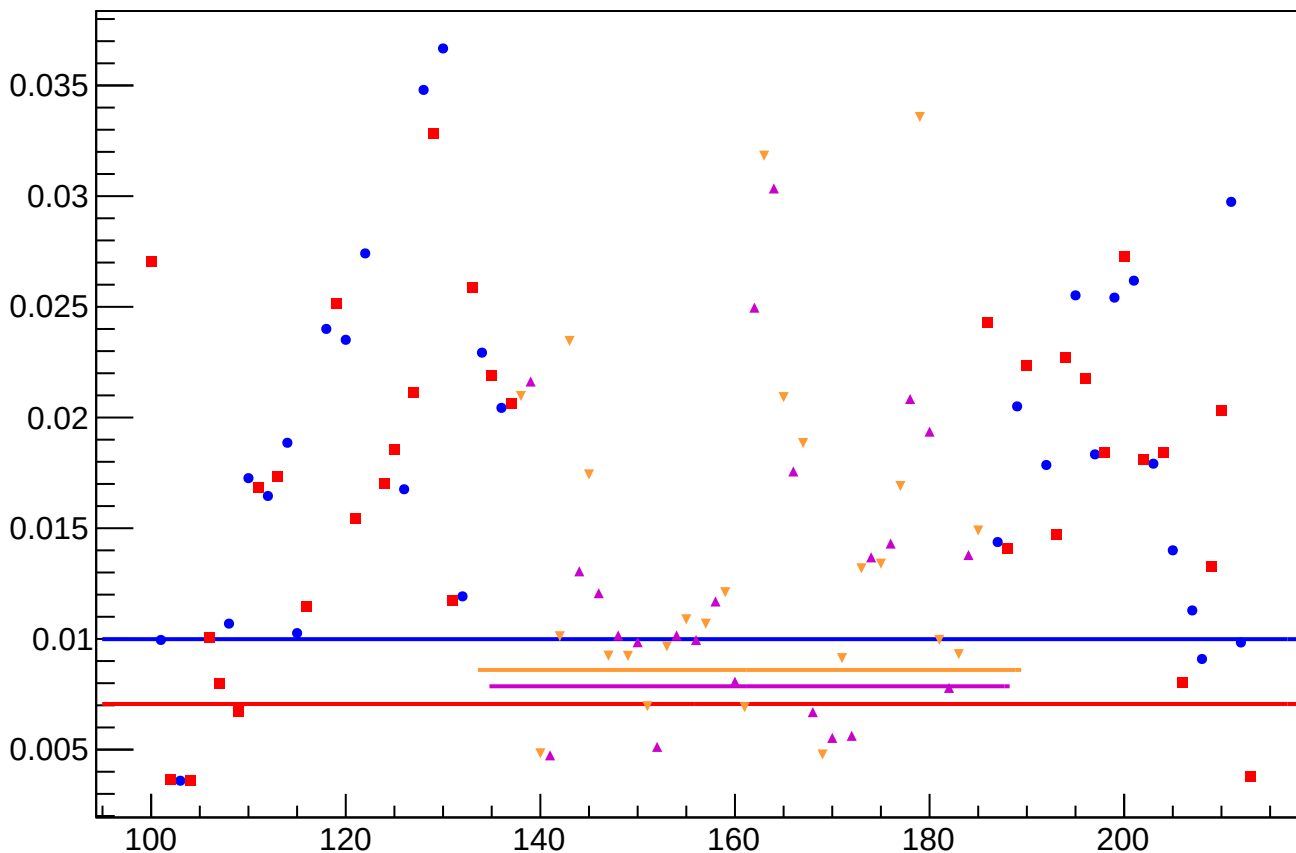
Left In: -0.000 ± 0.000 χ^2/NDF : 26.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 71.3/53

All: -0.000 ± 0.000 χ^2/NDF : 145.5/109

- sign 0.000 ± 0.000 χ^2/NDF : 71.0/55

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 11066921.6/28

Left Out: 0.009+/-0.000 χ^2/NDF : 7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF : 14546787.8/32

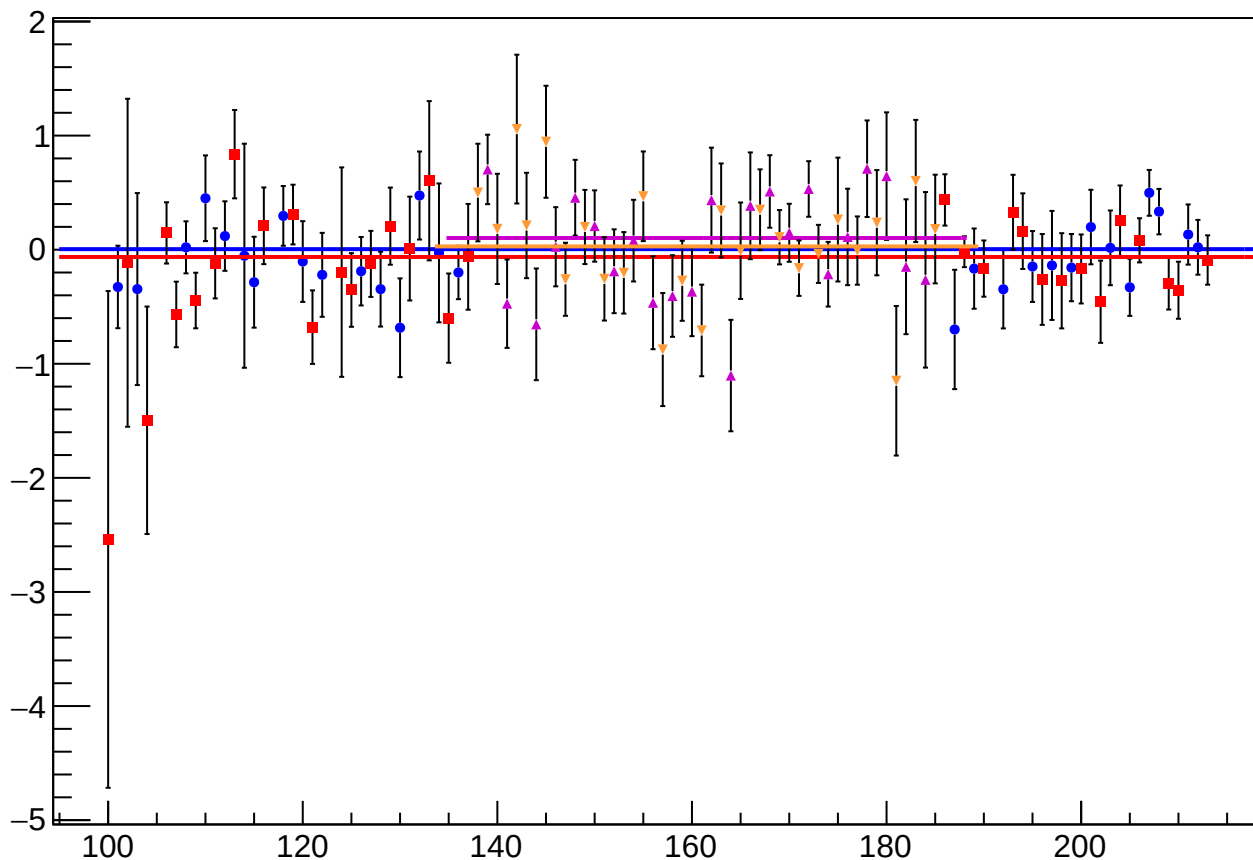
Left In: 0.008+/-0.000 χ^2/NDF : 6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF : 18997019.2/53

All: 0.008+/-0.000 χ^2/NDF : 41436491.5/109

- sign 0.007+/-0.000 χ^2/NDF : 21464963.5/55

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.058 χ^2/NDF : 26.0/28

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.064 ± 0.051 χ^2/NDF : 38.6/32

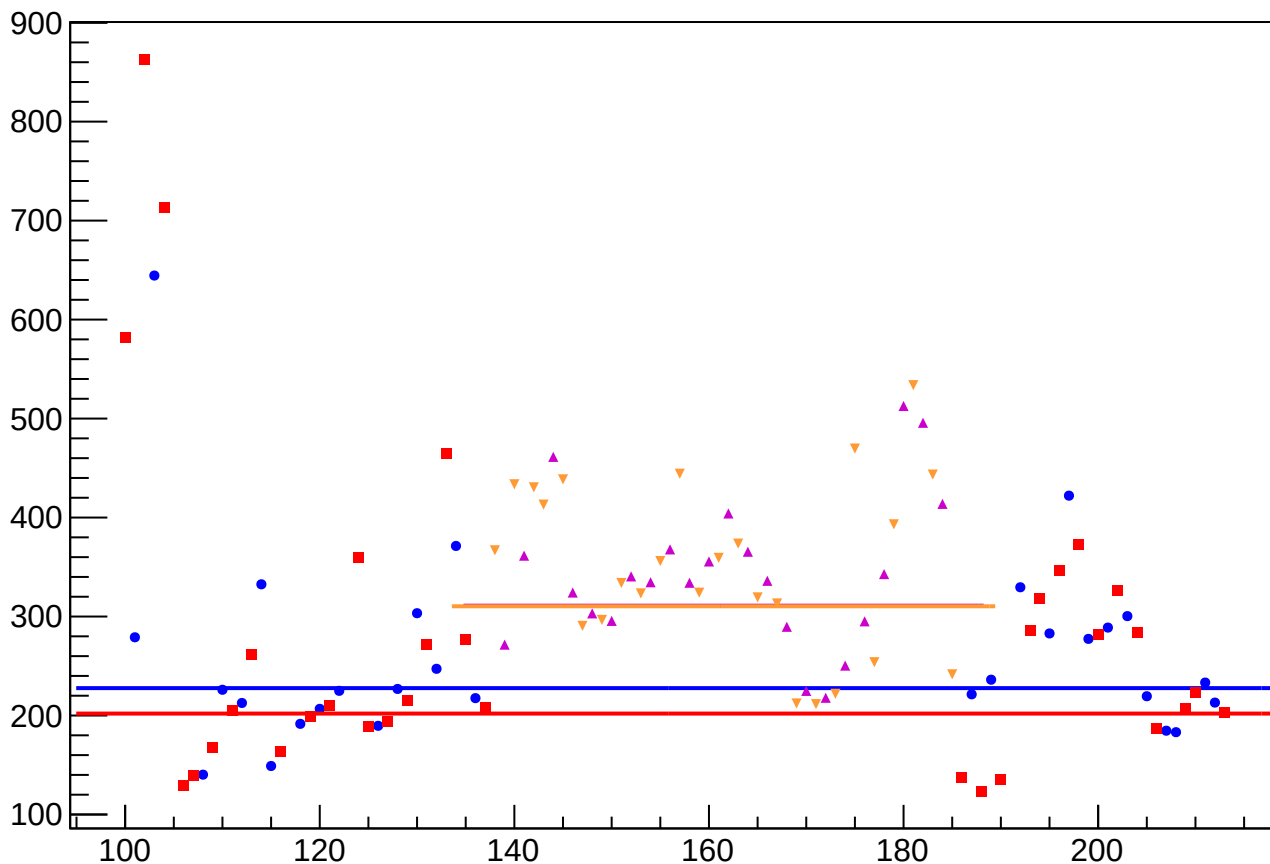
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.014 ± 0.046 χ^2/NDF : 51.4/53

All: 0.000 ± 0.031 χ^2/NDF : 125.7/109

- sign -0.012 ± 0.043 χ^2/NDF : 74.1/55

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 227.688 ± 0.041 $\chi^2/\text{NDF}: 2189053.6/28$

Left Out: 310.362 ± 0.053 $\chi^2/\text{NDF}: 2363148.8/24$

Right Out: 201.968 ± 0.036 $\chi^2/\text{NDF}: 4355359.3/32$

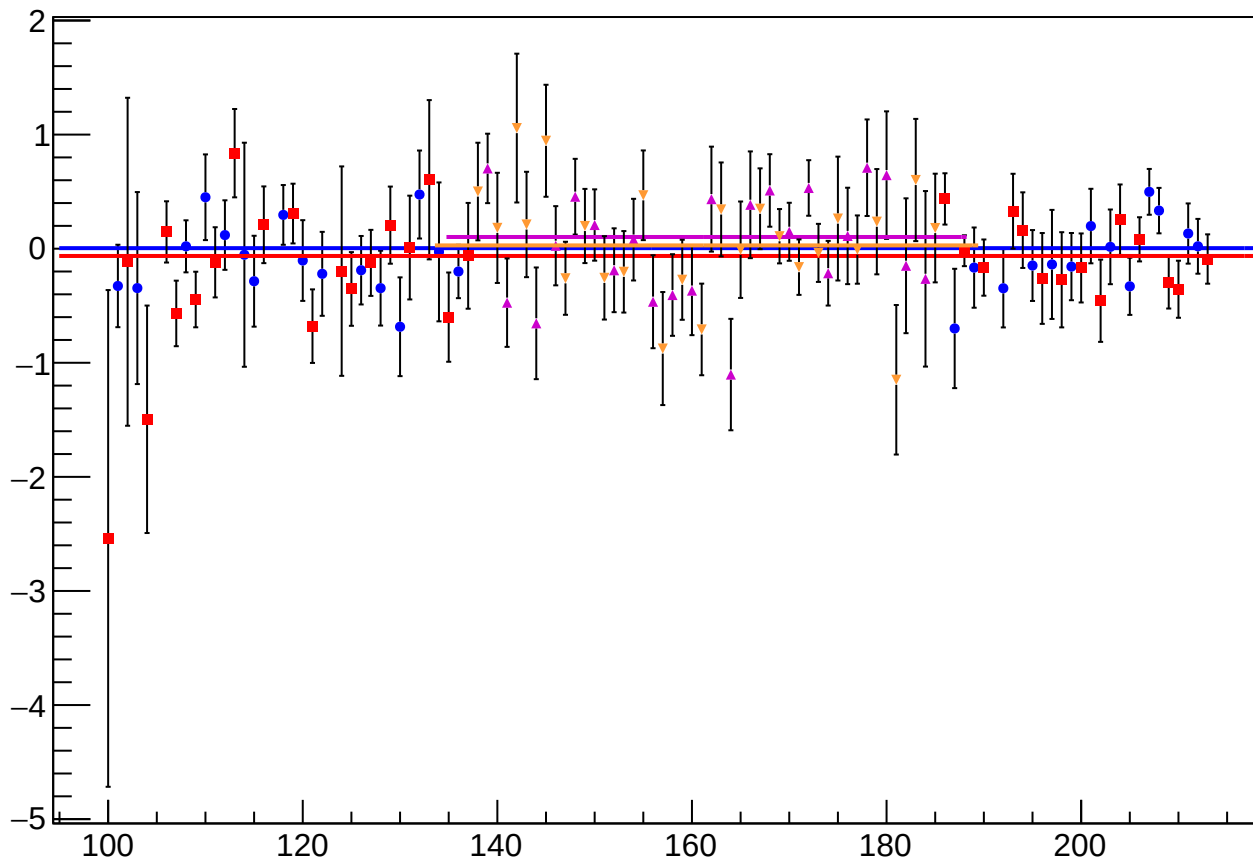
Left In: 310.963 ± 0.054 $\chi^2/\text{NDF}: 1600401.1/22$

+ sign 258.639 ± 0.032 $\chi^2/\text{NDF}: 6086184.5/53$

All: 246.556 ± 0.022 $\chi^2/\text{NDF}: 15112670.1/10$

- sign 236.036 ± 0.030 $\chi^2/\text{NDF}: 8764796.6/55$

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.058 χ^2/NDF : 26.0/28

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.064 ± 0.051 χ^2/NDF : 38.6/32

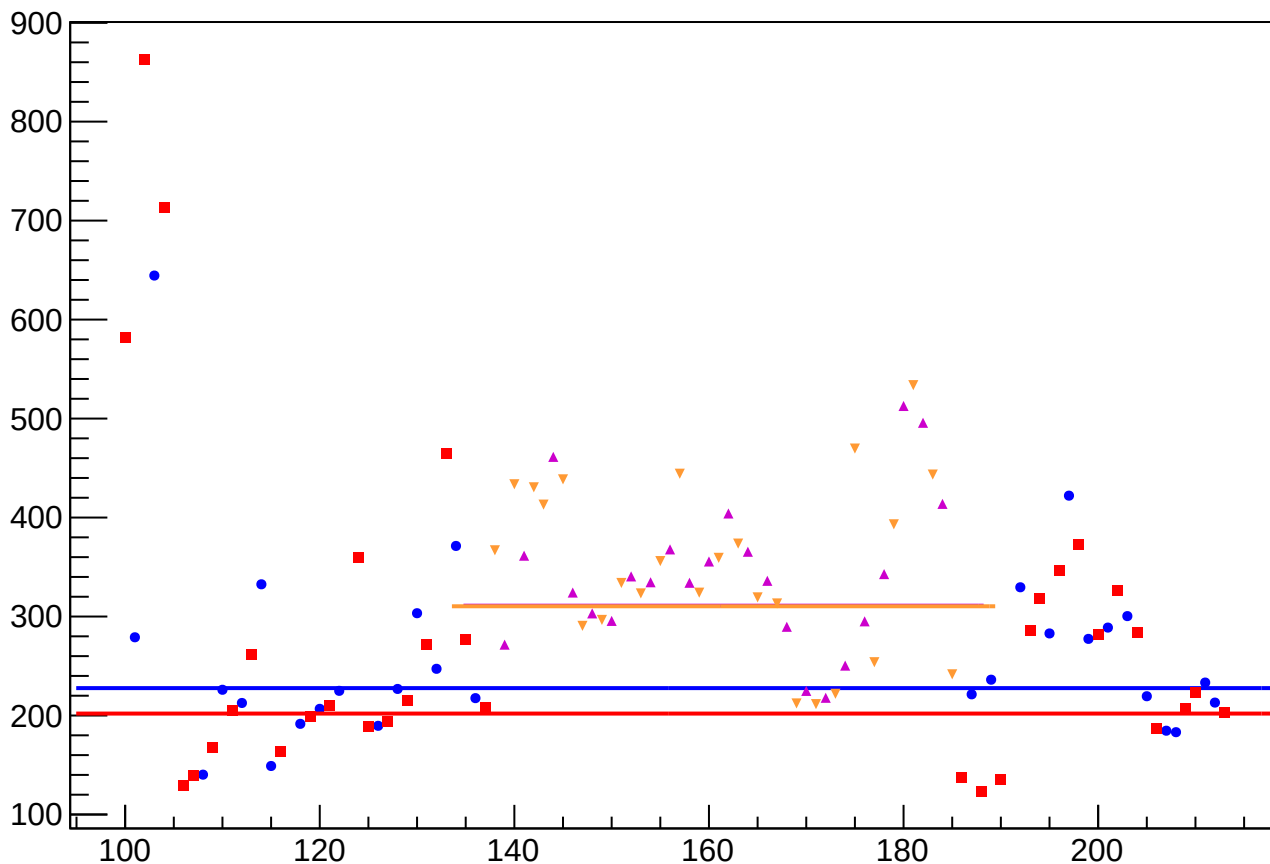
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign 0.014 ± 0.046 χ^2/NDF : 51.4/53

All: 0.000 ± 0.031 χ^2/NDF : 125.7/109

- sign -0.012 ± 0.043 χ^2/NDF : 74.1/55

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 227.688 $\pm$ 0.041 χ^2 /NDF: 2189053.6/28

Left Out: 310.362 $\pm$ 0.053 χ^2 /NDF: 2363148.8/24

Right Out: 201.968 $\pm$ 0.036 χ^2 /NDF: 4355359.3/32

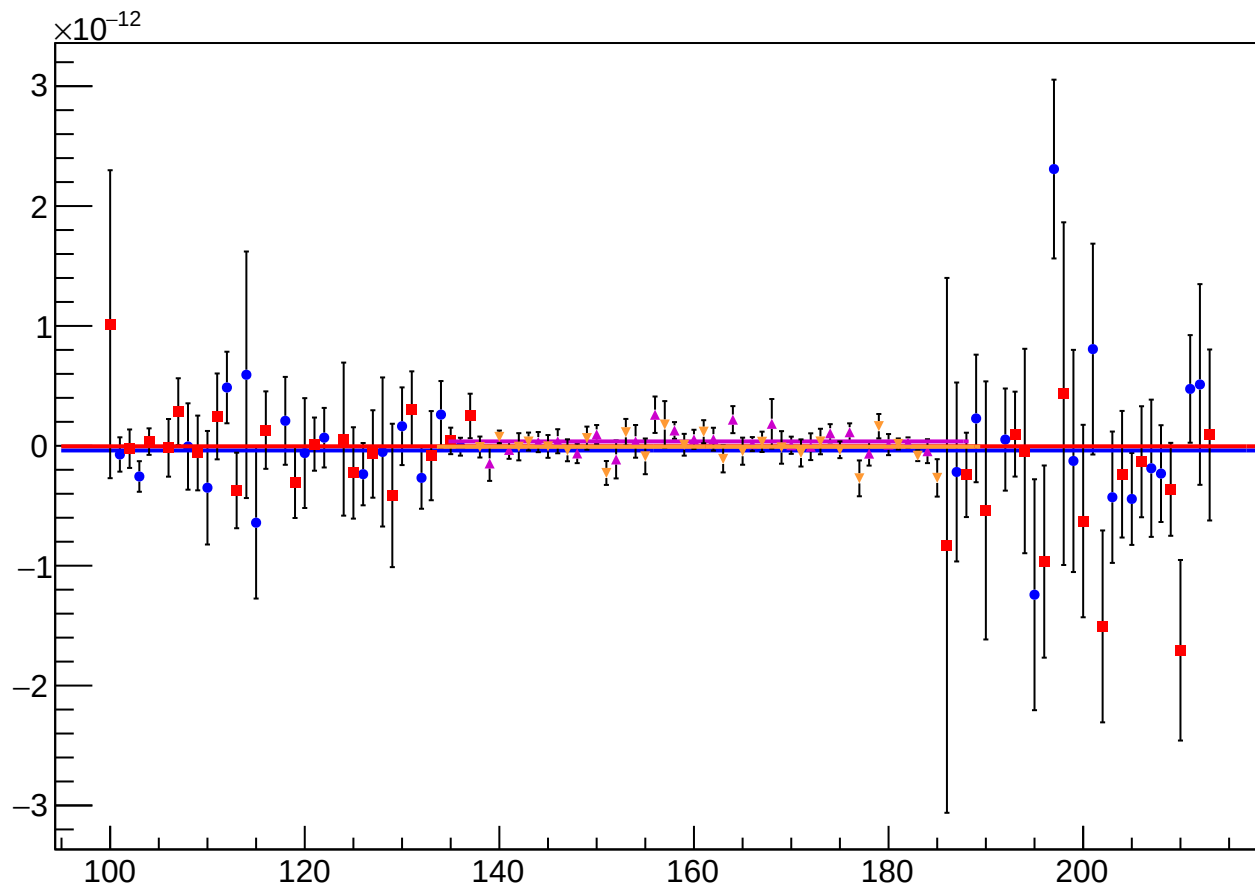
Left In: 310.963 $\pm$ 0.054 χ^2 /NDF: 1600401.1/22

+ sign 258.639 $\pm$ 0.032 χ^2 /NDF: 6086184.5/53

All: 246.556 $\pm$ 0.022 χ^2 /NDF: 15112670.1/10

- sign 236.036 $\pm$ 0.030 χ^2 /NDF: 8764796.6/55

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 27.9/28

Left Out: -0.000+/-0.000 χ^2/NDF : 25.8/24

Right Out: -0.000+/-0.000 χ^2/NDF : 21.7/32

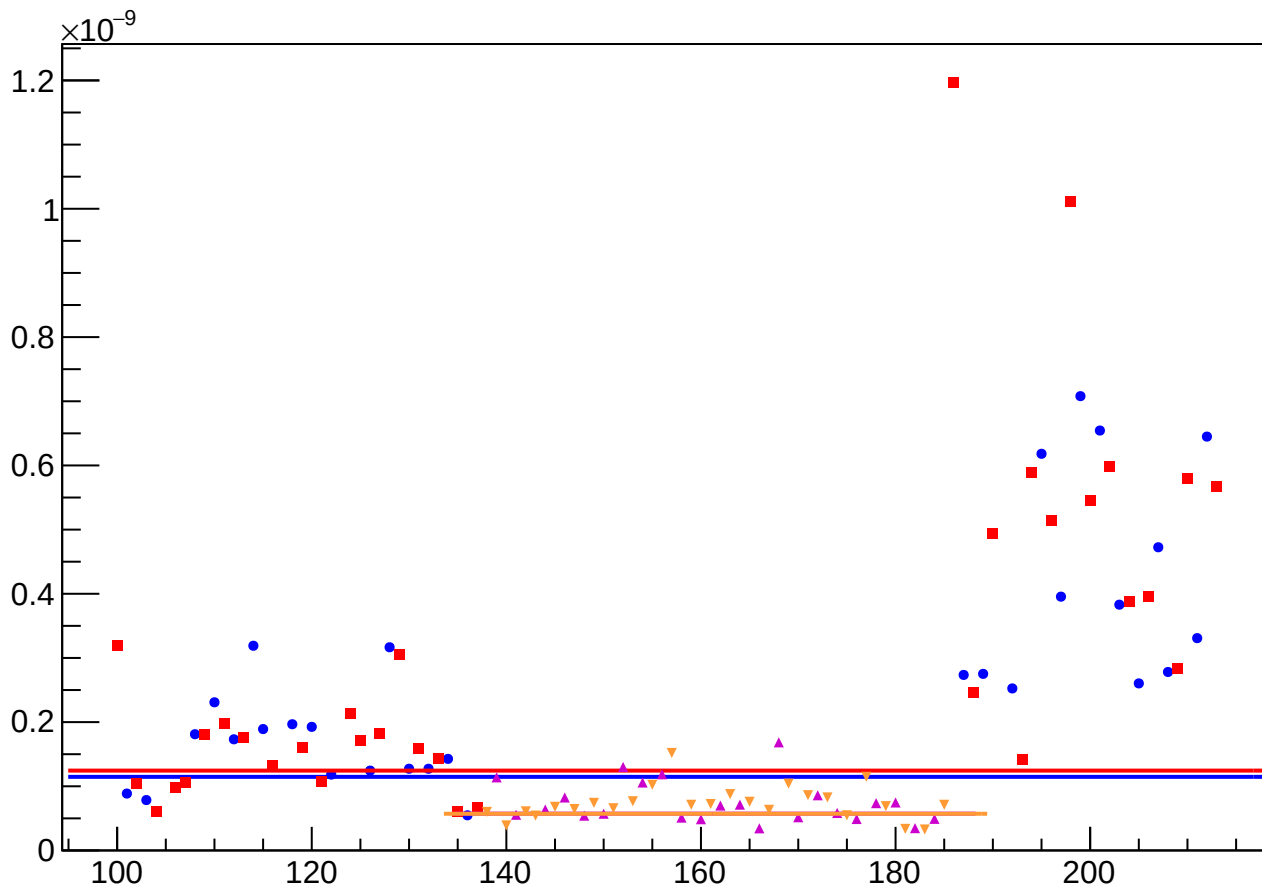
Left In: 0.000+/-0.000 χ^2/NDF : 16.7/22

+ sign -0.000+/-0.000 χ^2/NDF : 54.1/53

All: 0.000+/-0.000 χ^2/NDF : 96.6/109

- sign 0.000+/-0.000 χ^2/NDF : 39.0/55

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8321551.7/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9258796.9/32

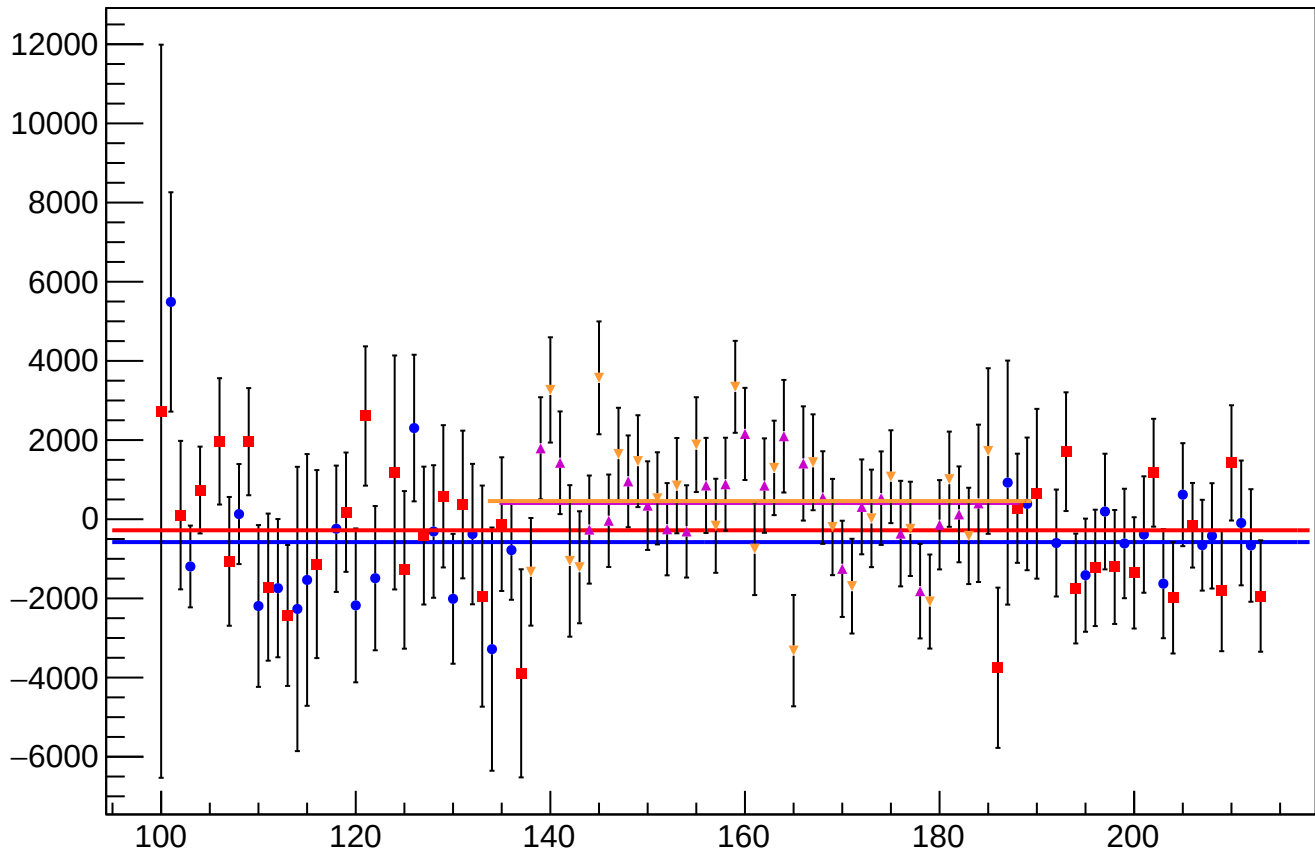
Left In: 0.000+/-0.000 χ^2/NDF : 3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 14252866.0/53

All: 0.000+/-0.000 χ^2/NDF : 30102142.2/109

- sign 0.000+/-0.000 χ^2/NDF : 15844875.4/55

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -577.678 ± 291.520 χ^2/NDF : 14.6/28

Left Out: 458.782 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -279.282 ± 281.306 χ^2/NDF : 28.0/32

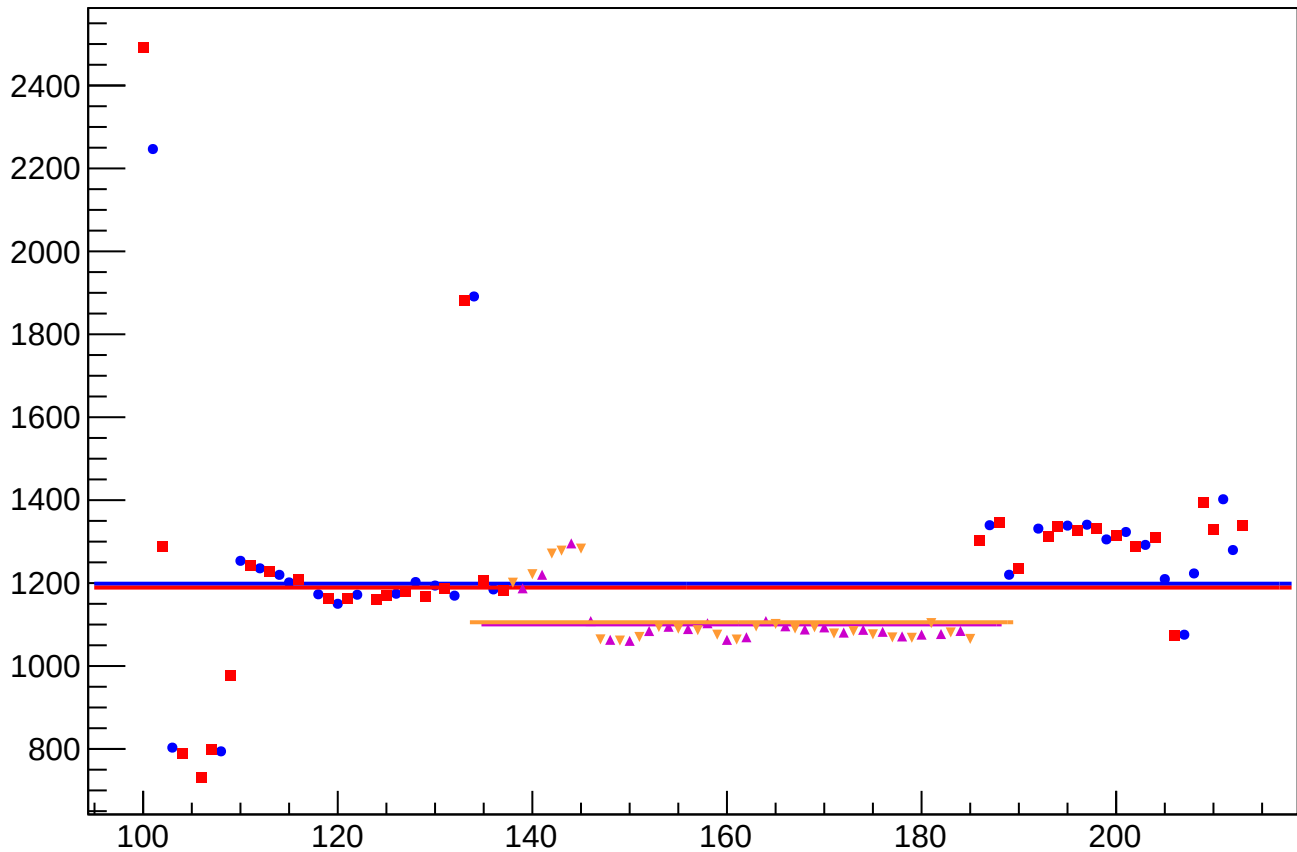
Left In: 411.262 ± 257.201 χ^2/NDF : 13.7/22

+ sign 16.449 ± 190.444 χ^2/NDF : 63.9/53

All: 56.776 ± 134.443 χ^2/NDF : 109.0/109

- sign 96.839 ± 189.819 χ^2/NDF : 45.0/55

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1198.526 $\pm$ 0.206 χ^2 /NDF: 1052716.9/28

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF:121950.0/24

Right Out: 1189.154 $\pm$ 0.198 χ^2 /NDF: 1056056.3/32

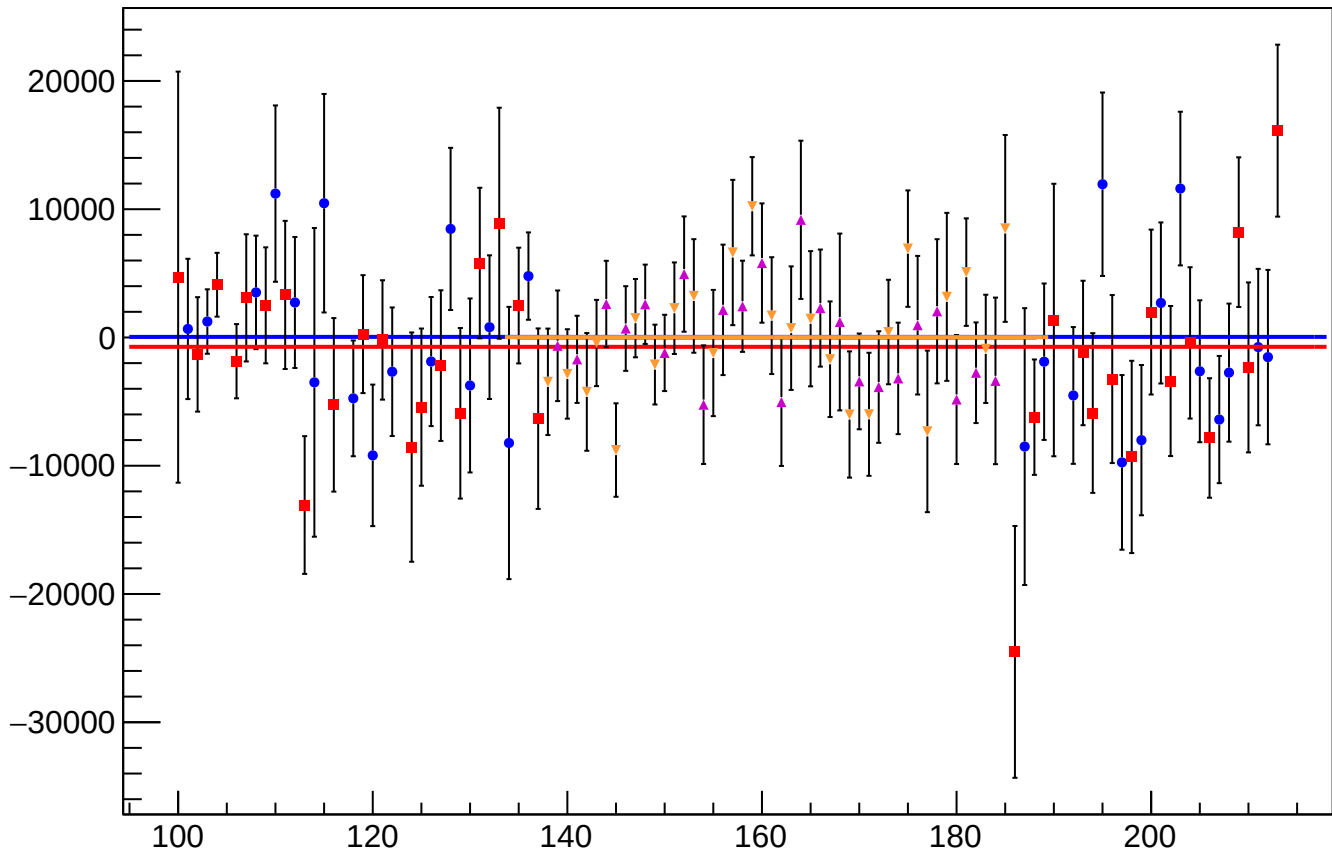
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF:80240.5/22

+ sign 1145.229 $\pm$ 0.135 χ^2 /NDF: 1291286.4/53

All: 1143.082 $\pm$ 0.095 χ^2 /NDF: 2537111.2/10

- sign 1140.957 $\pm$ 0.134 χ^2 /NDF: 1245318.9/55

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 45.608 $\pm$ 995.787 χ^2 /NDF: 28.7/28

Left Out: 23.368 $\pm$ 850.404 χ^2 /NDF: 28.5/24

Right Out: -728.225 $\pm$ 922.274 χ^2 /NDF: 38.0/32

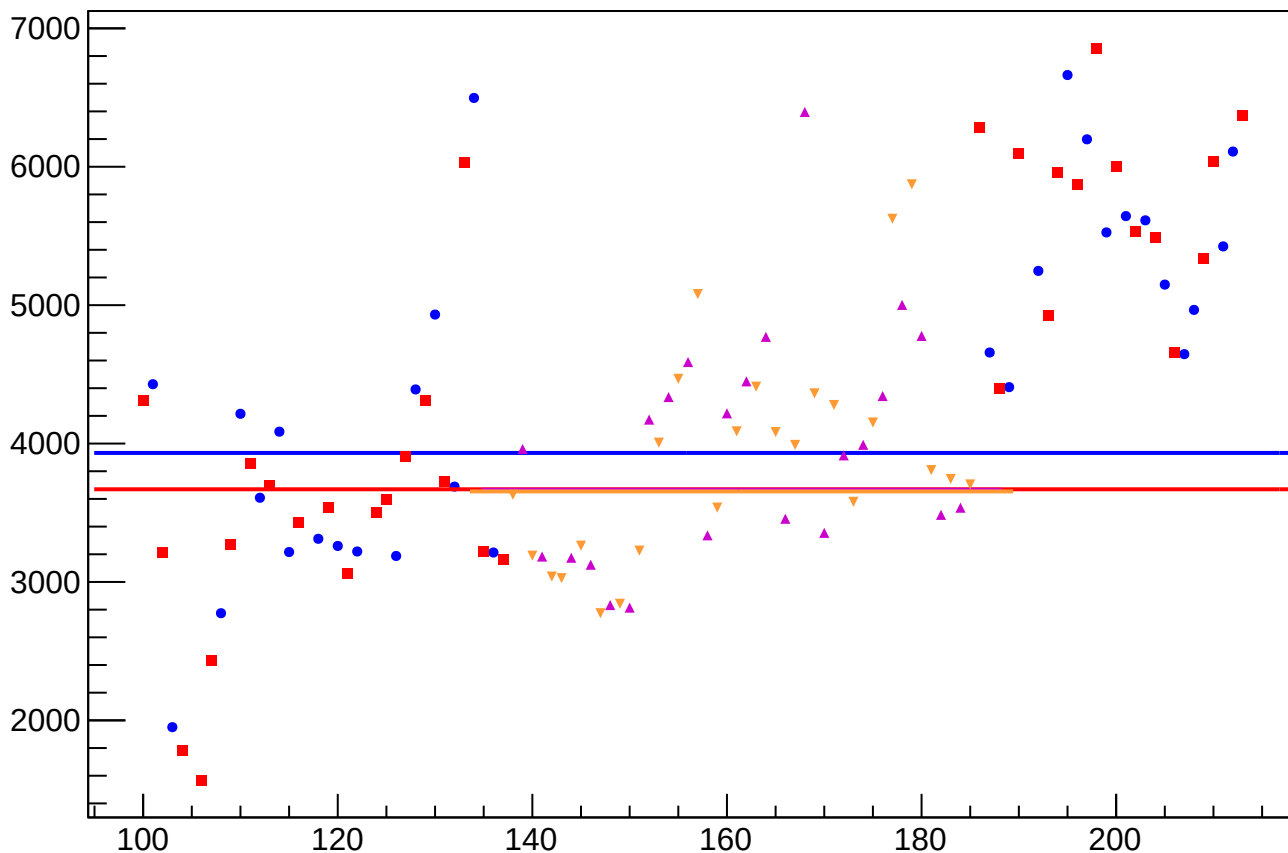
Left In: -6.317 $\pm$ 875.256 χ^2 /NDF: 14.0/22

+ sign 32.748 $\pm$ 646.677 χ^2 /NDF: 57.2/53

All: -161.338 $\pm$ 453.038 χ^2 /NDF: 109.7/109

- sign -348.401 $\pm$ 634.871 χ^2 /NDF: 52.3/55

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3932.292 $\pm$ 0.704 χ^2/NDF : 3485050.3/28

Left Out: 3654.198 $\pm$ 0.601 χ^2/NDF : 1311761.6/24

Right Out: 3669.614 $\pm$ 0.652 χ^2/NDF : 5347284.7/32

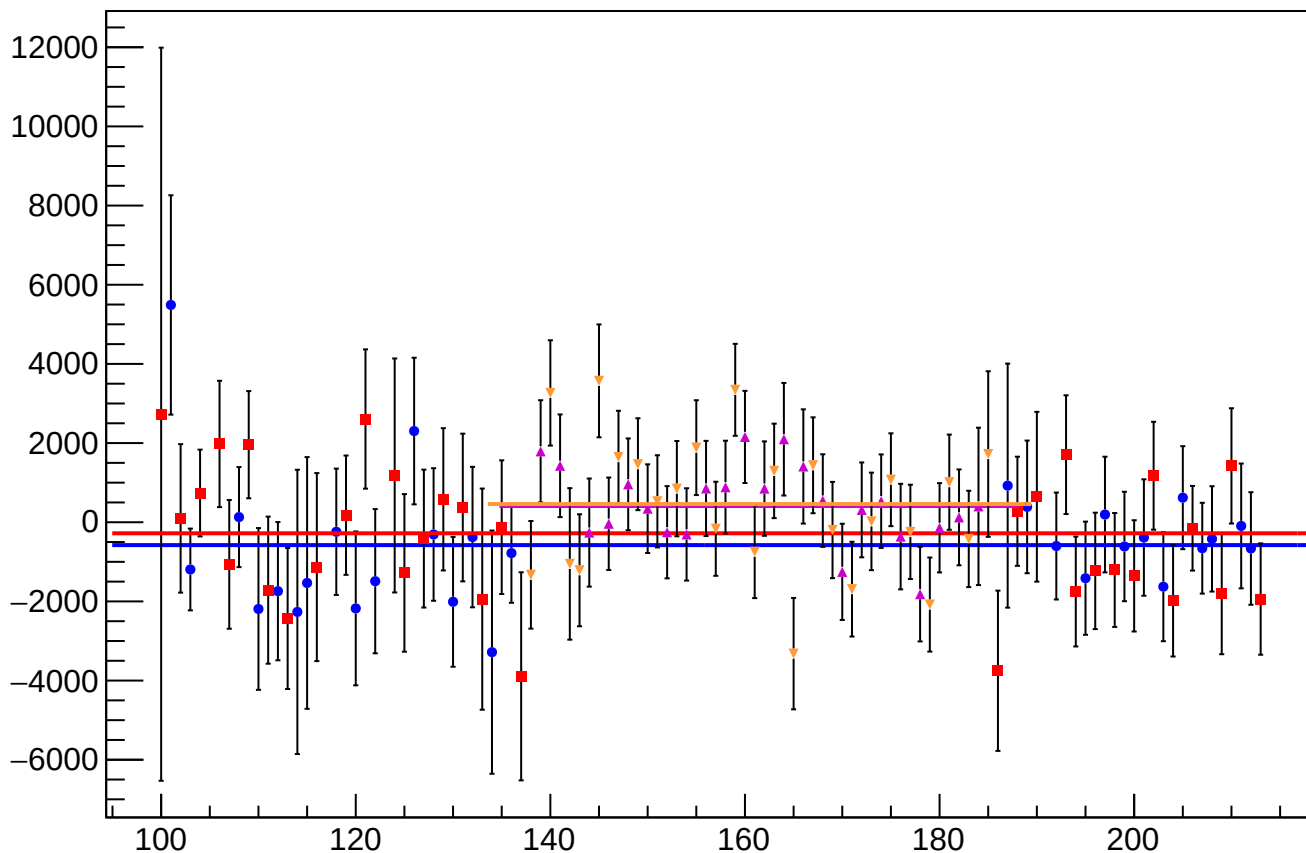
Left In: 3666.118 $\pm$ 0.619 χ^2/NDF : 1343709.3/22

+ sign 3771.481 $\pm$ 0.457 χ^2/NDF : 4887012.1/53

All: 3718.672 $\pm$ 0.320 χ^2/NDF : 11604212.8/100

- sign 3667.775 $\pm$ 0.449 χ^2/NDF : 6691009.1/55

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -577.716 ± 291.520 $\chi^2/\text{NDF}: 14.6/28$

Left Out: 458.844 ± 251.538 $\chi^2/\text{NDF}: 42.1/24$

Right Out: -279.120 ± 281.307 $\chi^2/\text{NDF}: 28.0/32$

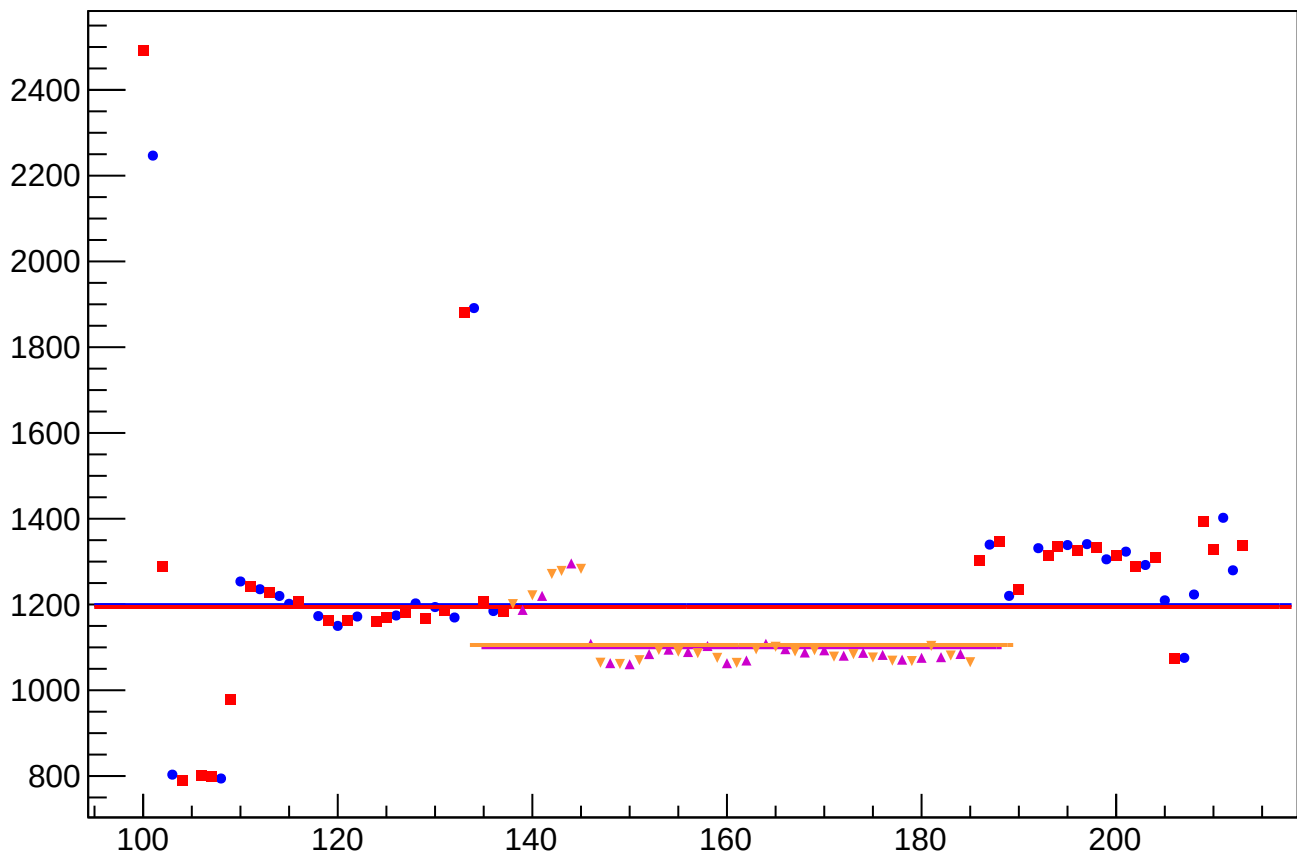
Left In: 411.165 ± 257.201 $\chi^2/\text{NDF}: 13.7/22$

+ sign 16.468 ± 190.444 $\chi^2/\text{NDF}: 63.9/53$

All: 56.797 ± 134.443 $\chi^2/\text{NDF}: 109.0/109$

- sign 96.861 ± 189.820 $\chi^2/\text{NDF}: 45.0/55$

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1198.526+/-0.206 χ^2/NDF : 1052712.3/28

Left Out: 1105.549+/-0.178 χ^2/NDF :121950.0/24

Right Out: 1194.190+/-0.199 χ^2/NDF : 974627.5/32

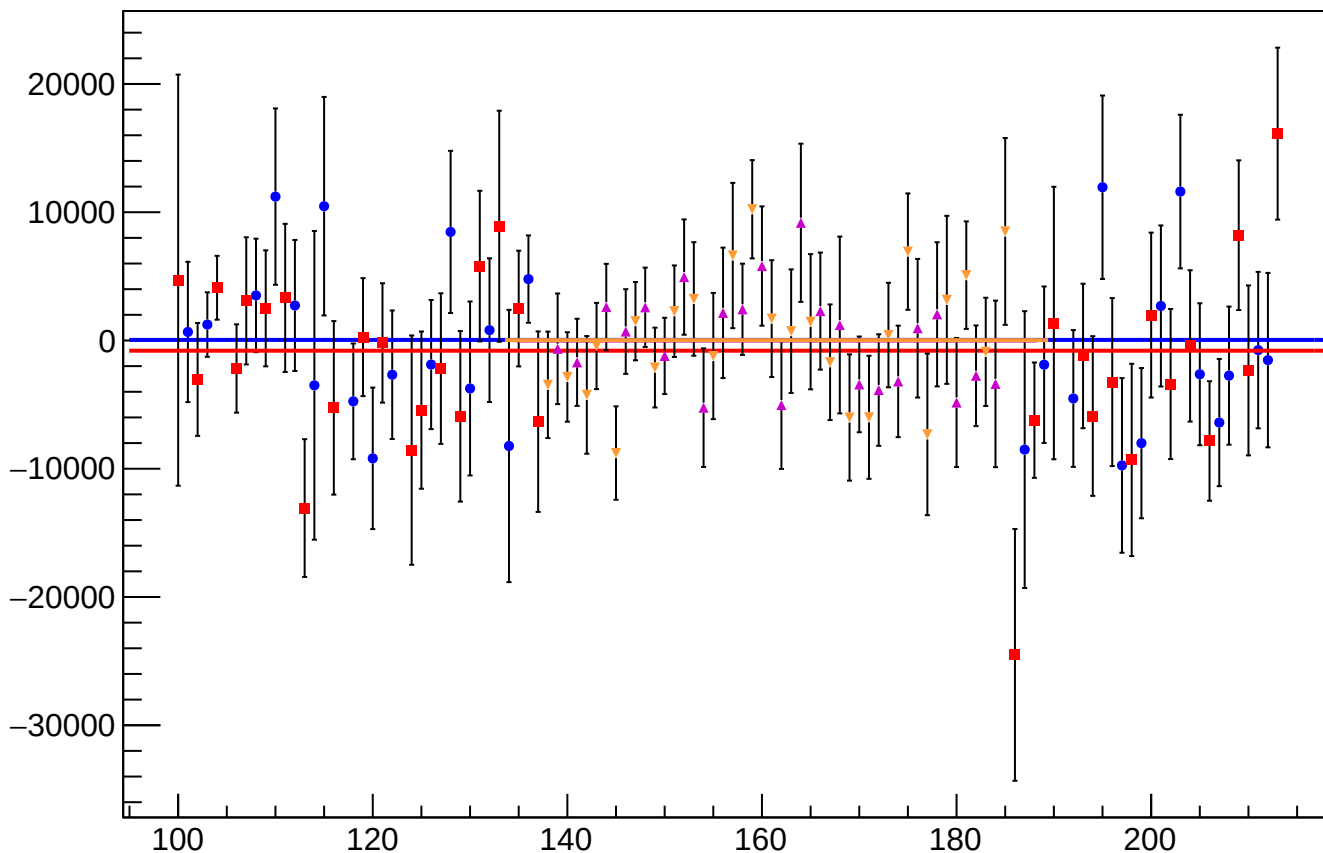
Left In: 1100.350+/-0.182 χ^2/NDF :80240.5/22

+ sign 1145.229+/-0.135 χ^2/NDF : 1291282.6/53

All: 1144.171+/-0.095 χ^2/NDF : 2467616.1/10

- sign 1143.120+/-0.134 χ^2/NDF : 1176210.4/55

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 45.185 $\pm$ 995.813 χ^2 /NDF: 28.7/28

Left Out: 23.365 $\pm$ 850.403 χ^2 /NDF: 28.5/24

Right Out: -797.062 $\pm$ 935.756 χ^2 /NDF: 38.3/32

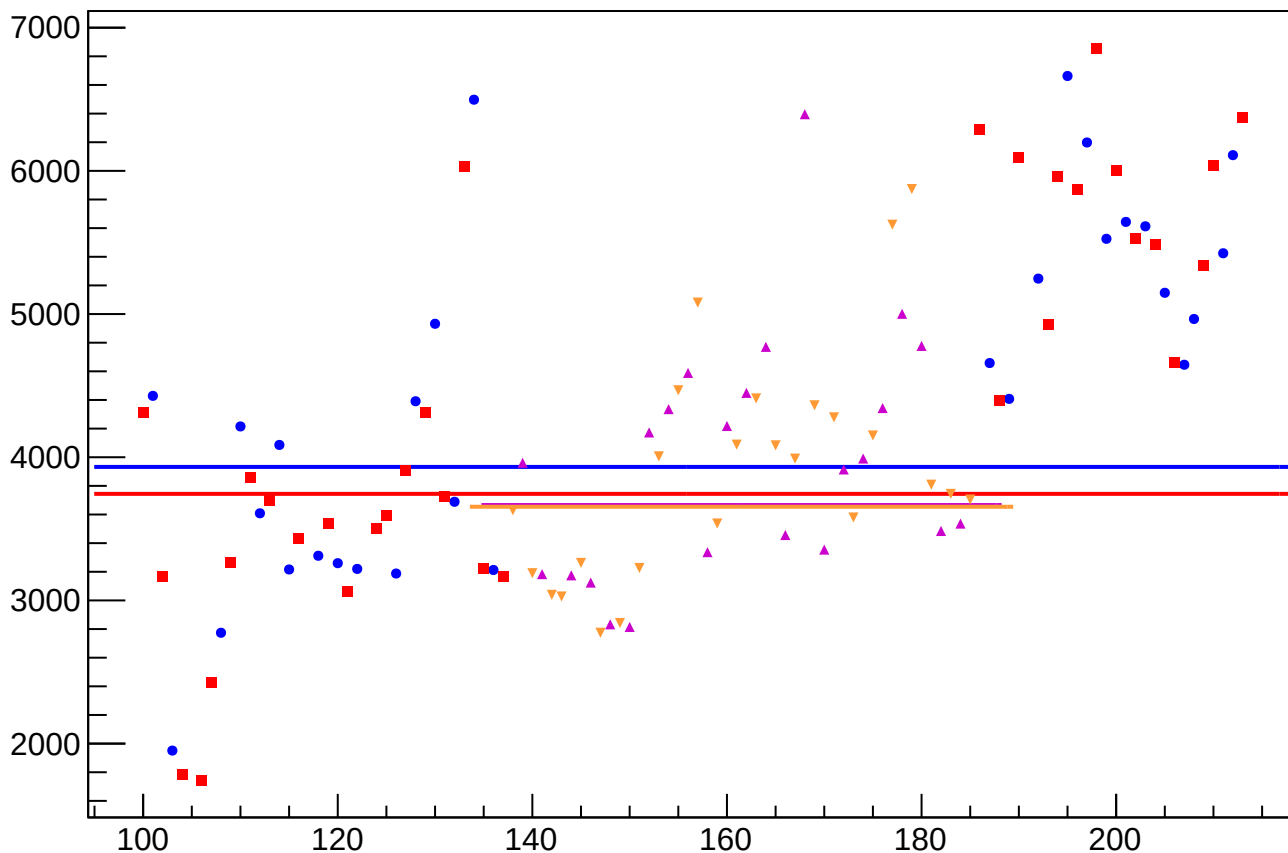
Left In: -6.368 $\pm$ 875.255 χ^2 /NDF: 14.0/22

+ sign 32.567 $\pm$ 646.684 χ^2 /NDF: 57.2/53

All: -173.750 $\pm$ 454.612 χ^2 /NDF: 110.1/109

- sign -375.330 $\pm$ 639.218 χ^2 /NDF: 52.7/55

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3932.451 $\pm$ 0.704 χ^2 /NDF: 3484177.5/28

Left Out: 3654.195 $\pm$ 0.601 χ^2 /NDF:1311769.4/24

Right Out: 3744.307 $\pm$ 0.662 χ^2 /NDF: 4909726.3/32

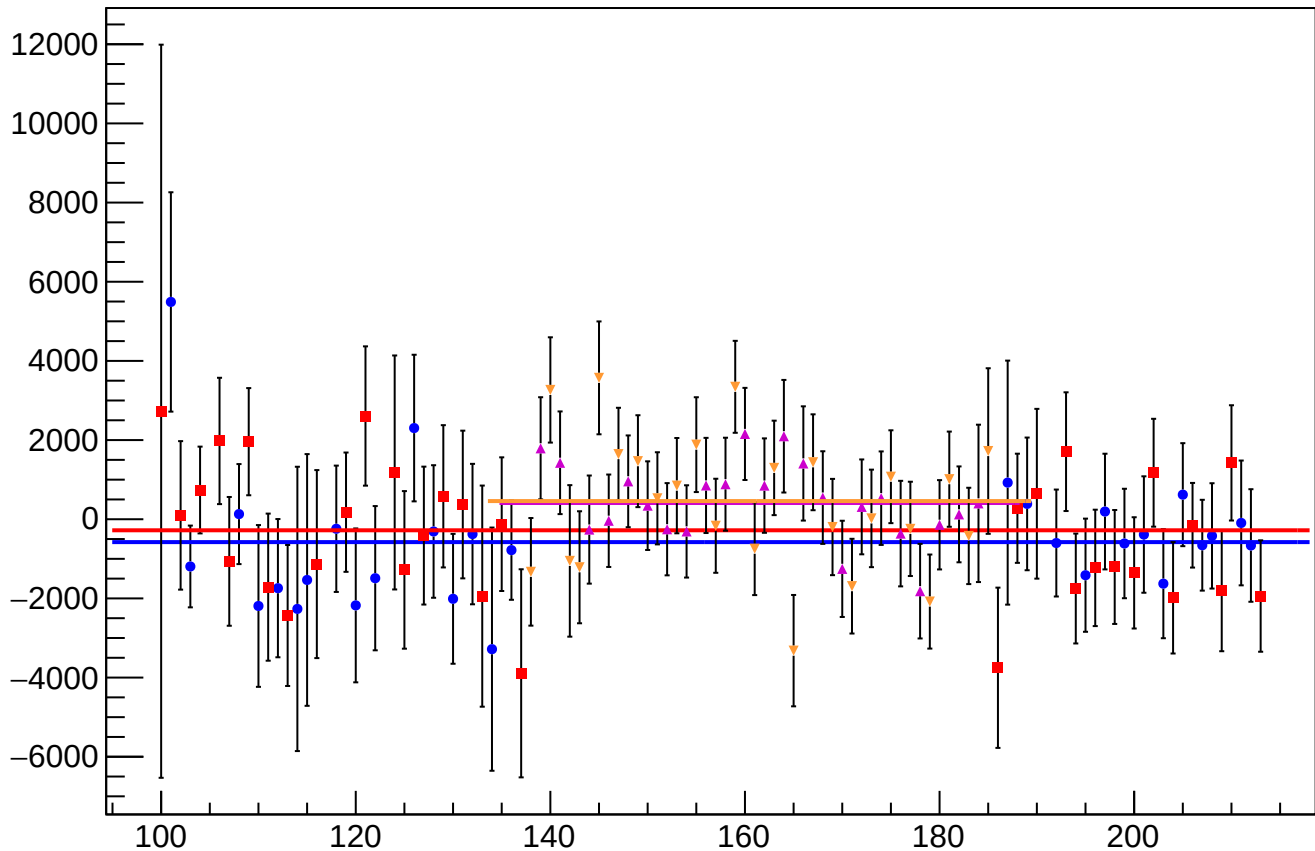
Left In: 3666.114 $\pm$ 0.619 χ^2 /NDF:1343711.6/22

+ sign 3771.543 $\pm$ 0.457 χ^2 /NDF: 4886249.2/53

All: 3736.672 $\pm$ 0.321 χ^2 /NDF: 11158632.8/1

- sign 3702.601 $\pm$ 0.452 χ^2 /NDF: 6260886.4/55

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -577.716 ± 291.520 χ^2/NDF : 14.6/28

Left Out: 458.844 ± 251.538 χ^2/NDF : 42.1/24

Right Out: -279.120 ± 281.307 χ^2/NDF : 28.0/32

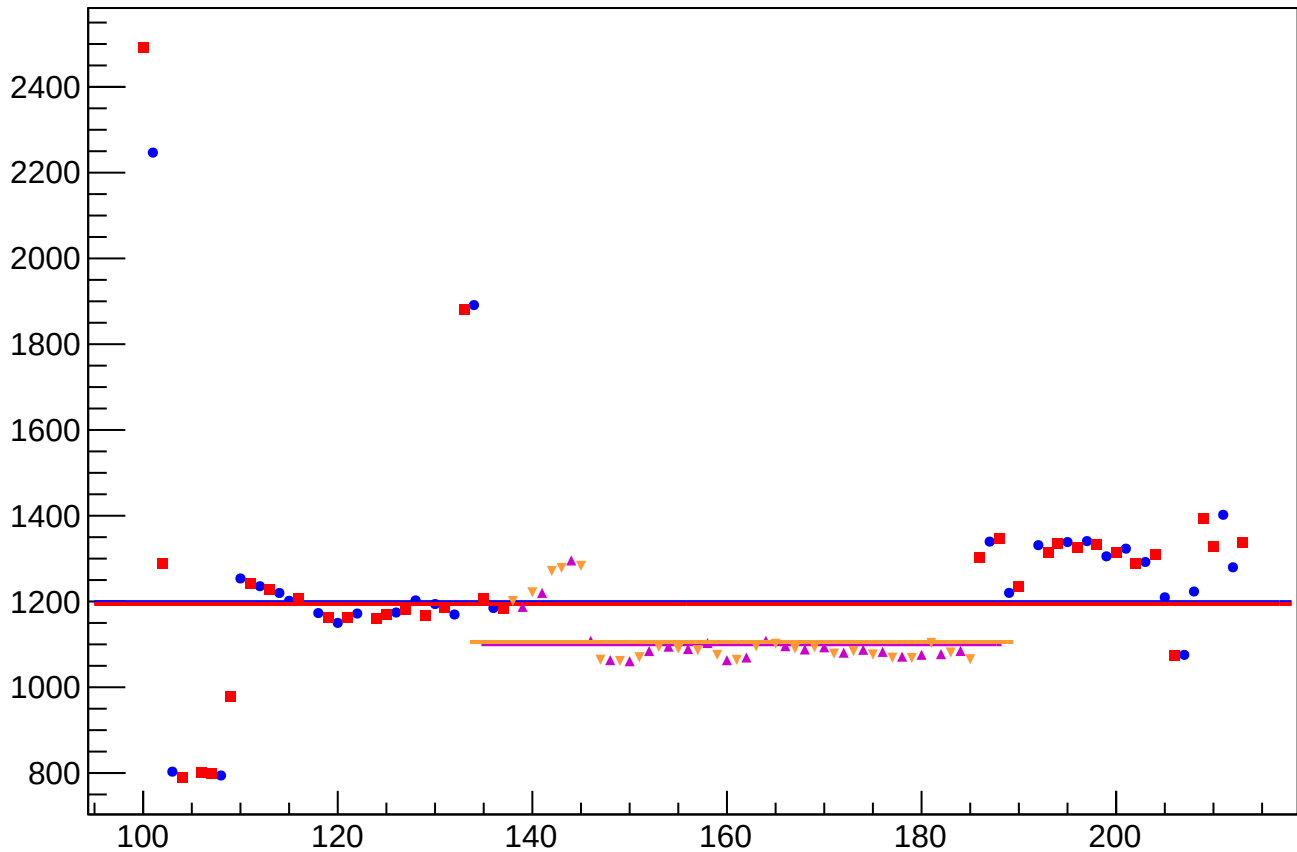
Left In: 411.165 ± 257.201 χ^2/NDF : 13.7/22

+ sign 16.468 ± 190.444 χ^2/NDF : 63.9/53

All: 56.797 ± 134.443 χ^2/NDF : 109.0/109

- sign 96.861 ± 189.820 χ^2/NDF : 45.0/55

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1198.526 $\pm$ 0.206 χ^2 /NDF: 1052712.3/28

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF:121950.0/24

Right Out: 1194.190 $\pm$ 0.199 χ^2 /NDF: 974627.5/32

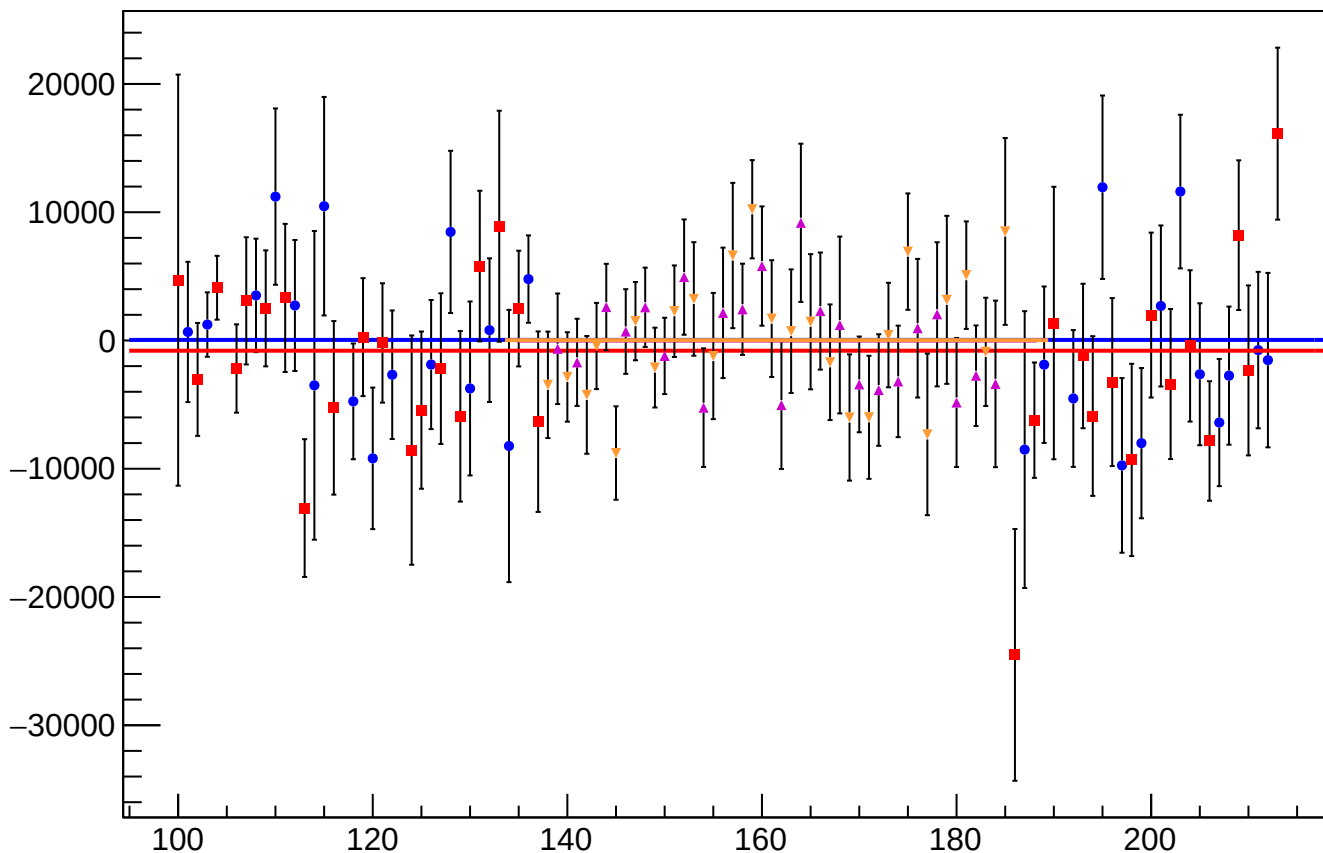
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF:80240.5/22

+ sign 1145.229 $\pm$ 0.135 χ^2 /NDF: 1291282.6/53

All: 1144.171 $\pm$ 0.095 χ^2 /NDF: 2467616.1/10

- sign 1143.120 $\pm$ 0.134 χ^2 /NDF: 1176210.4/55

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 45.185 $\pm$ 995.813 χ^2 /NDF: 28.7/28

Left Out: 23.365 $\pm$ 850.403 χ^2 /NDF: 28.5/24

Right Out: -797.062 $\pm$ 935.756 χ^2 /NDF: 38.3/32

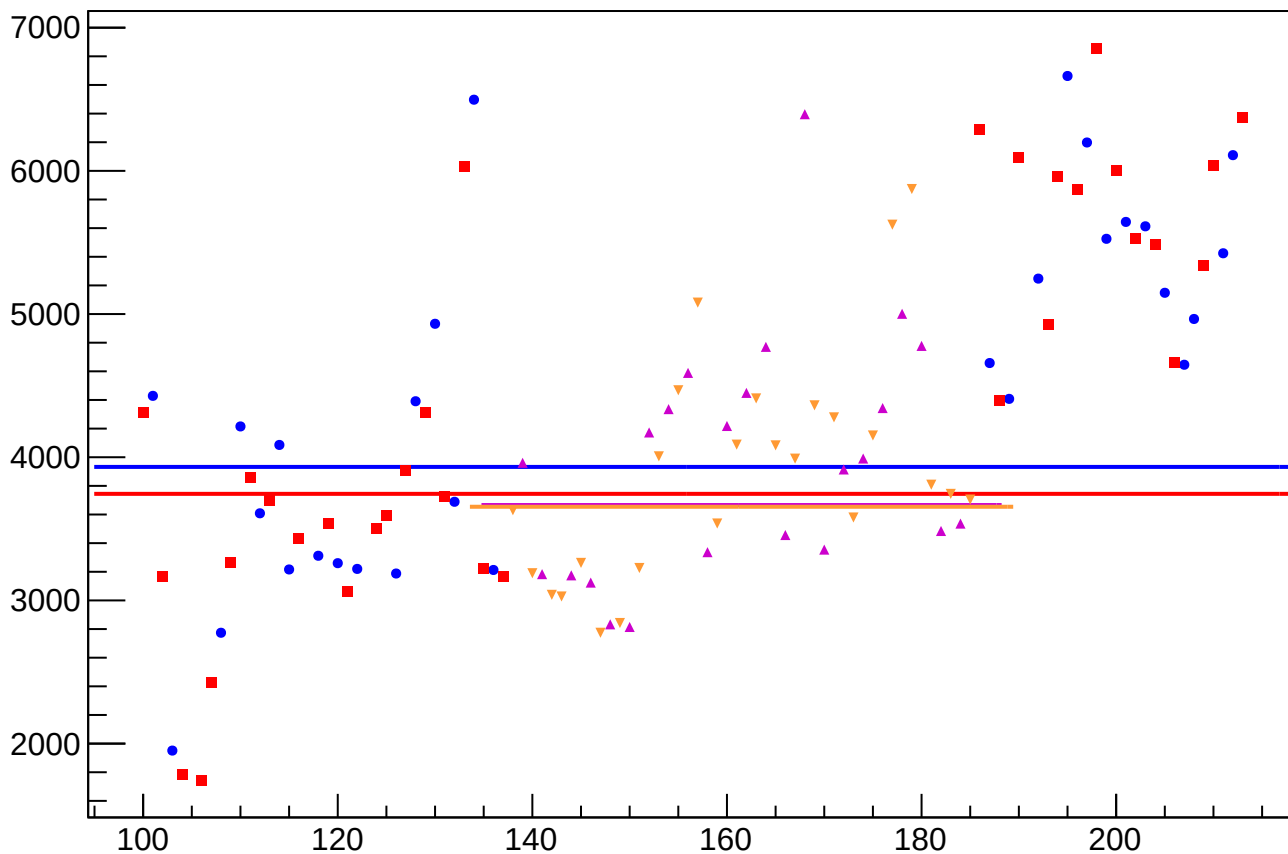
Left In: -6.368 $\pm$ 875.255 χ^2 /NDF: 14.0/22

+ sign 32.567 $\pm$ 646.684 χ^2 /NDF: 57.2/53

All: -173.750 $\pm$ 454.612 χ^2 /NDF: 110.1/109

- sign -375.330 $\pm$ 639.218 χ^2 /NDF: 52.7/55

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3932.451 $\pm$ 0.704 χ^2 /NDF: 3484177.5/28

Left Out: 3654.195 $\pm$ 0.601 χ^2 /NDF:1311769.4/24

Right Out: 3744.307 $\pm$ 0.662 χ^2 /NDF: 4909726.3/32

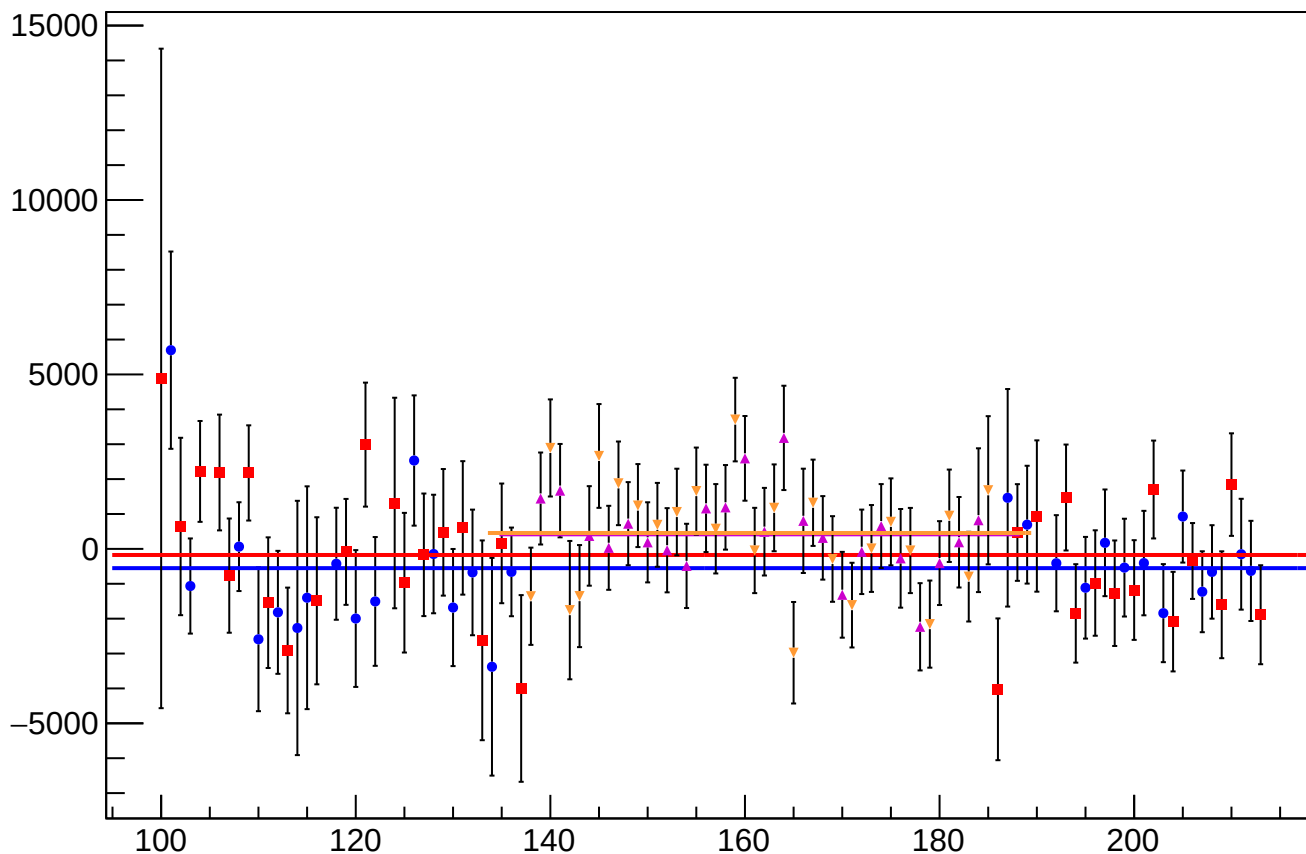
Left In: 3666.114 $\pm$ 0.619 χ^2 /NDF:1343711.6/22

+ sign 3771.543 $\pm$ 0.457 χ^2 /NDF: 4886249.2/53

All: 3736.672 $\pm$ 0.321 χ^2 /NDF: 11158632.8/1

- sign 3702.601 $\pm$ 0.452 χ^2 /NDF: 6260886.4/55

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -552.173+/-300.570 χ^2/NDF : 15.8/28

Left Out: 455.711+/-261.005 χ^2/NDF : 36.1/24

Right Out: -174.859+/-291.020 χ^2/NDF : 33.9/32

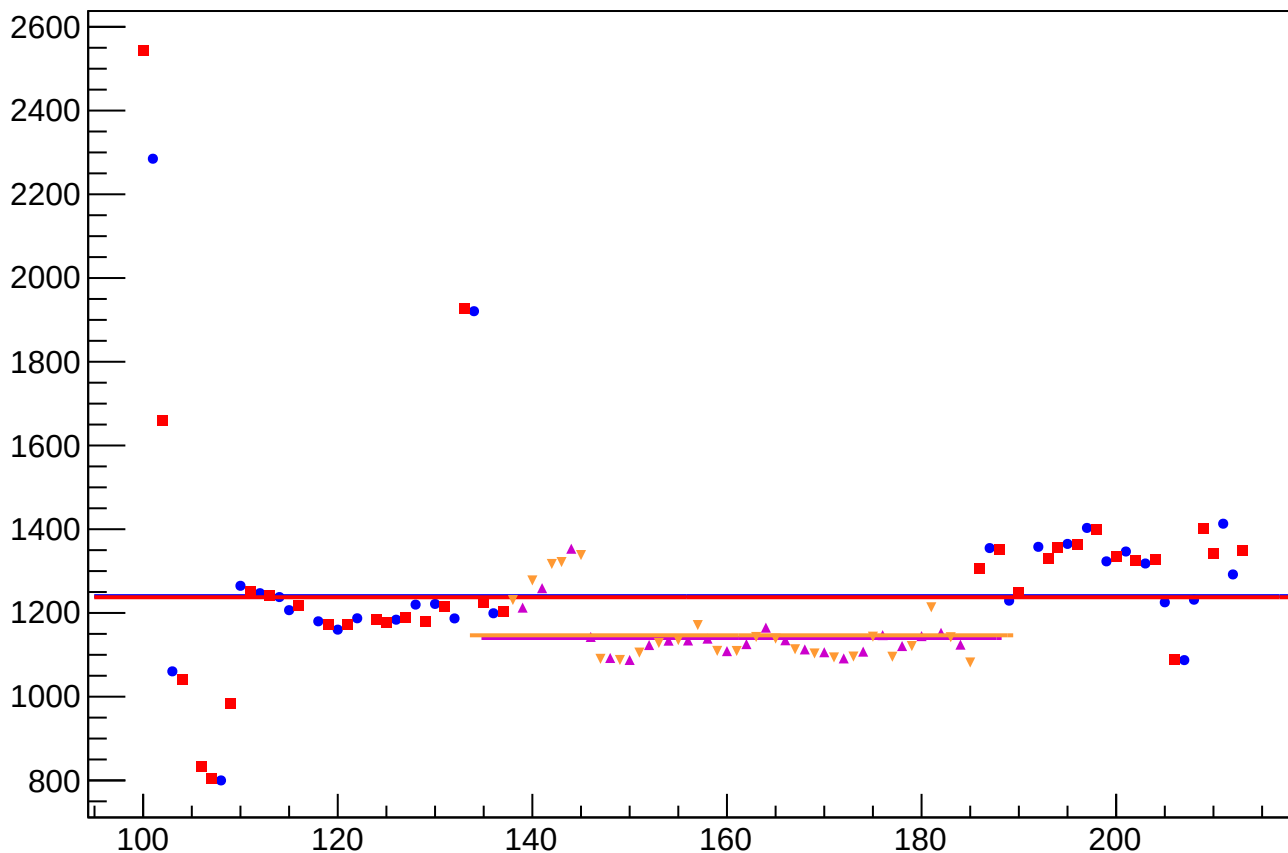
Left In: 417.202+/-266.582 χ^2/NDF : 17.3/22

+ sign 22.427+/-197.073 χ^2/NDF : 58.4/53

All: 84.906+/-139.175 χ^2/NDF : 112.0/109

- sign 147.070+/-196.575 χ^2/NDF : 53.4/55

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1240.198 $\pm$ 0.213 χ^2 /NDF: 796223.8/28

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF: 141015.8/24

Right Out: 1237.495 $\pm$ 0.206 χ^2 /NDF: 772206.4/32

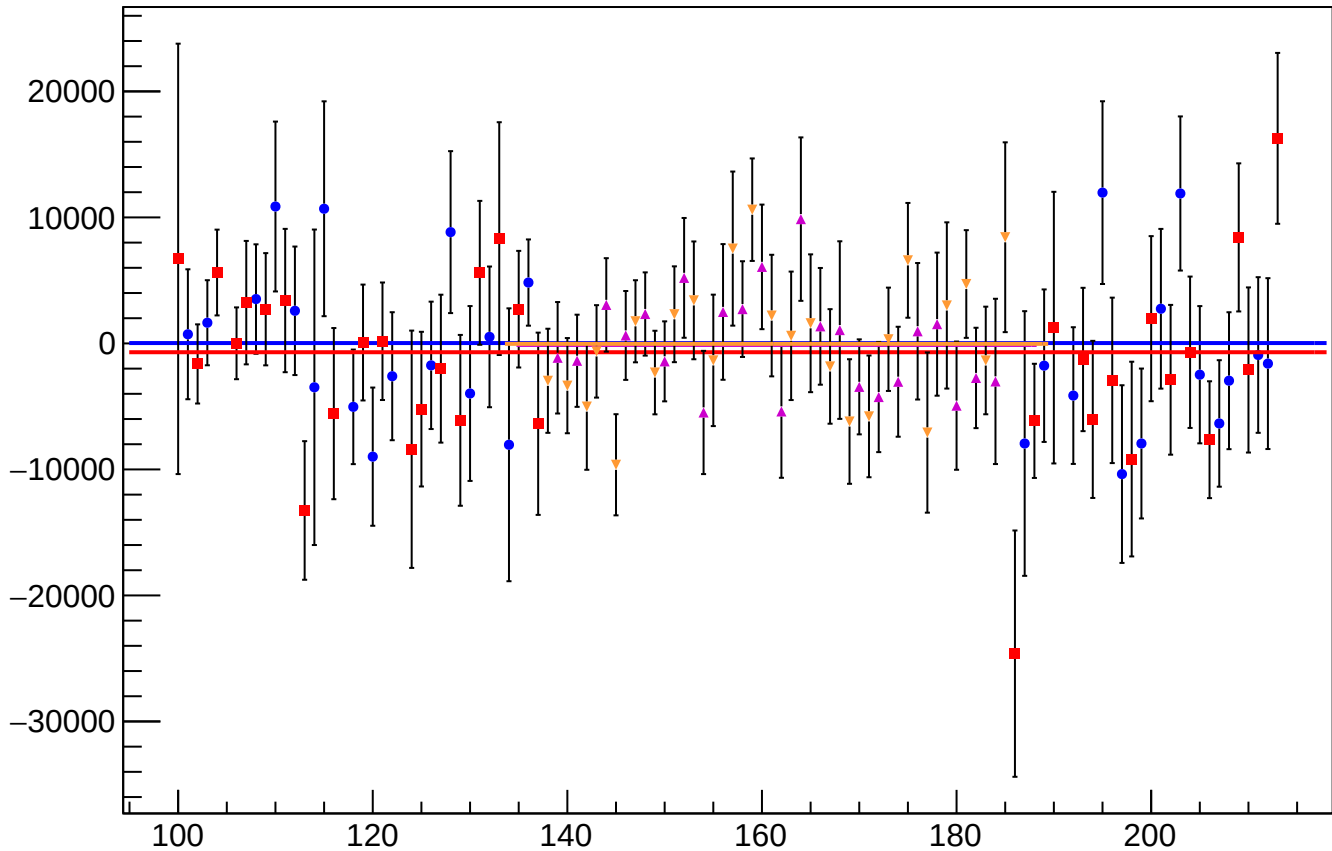
Left In: 1140.168 $\pm$ 0.189 χ^2 /NDF: 84737.4/22

+ sign 1186.845 $\pm$ 0.139 χ^2 /NDF: 1047773.7/53

All: 1185.711 $\pm$ 0.098 χ^2 /NDF: 2026506.5/10

- sign 1184.584 $\pm$ 0.139 χ^2 /NDF: 978600.8/55

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 28.876 $\pm$ 1034.639 χ^2 /NDF: 28.5/28

Left Out: -33.549 $\pm$ 891.370 χ^2 /NDF: 27.8/24

Right Out: -699.199 $\pm$ 933.977 χ^2 /NDF: 37.4/32

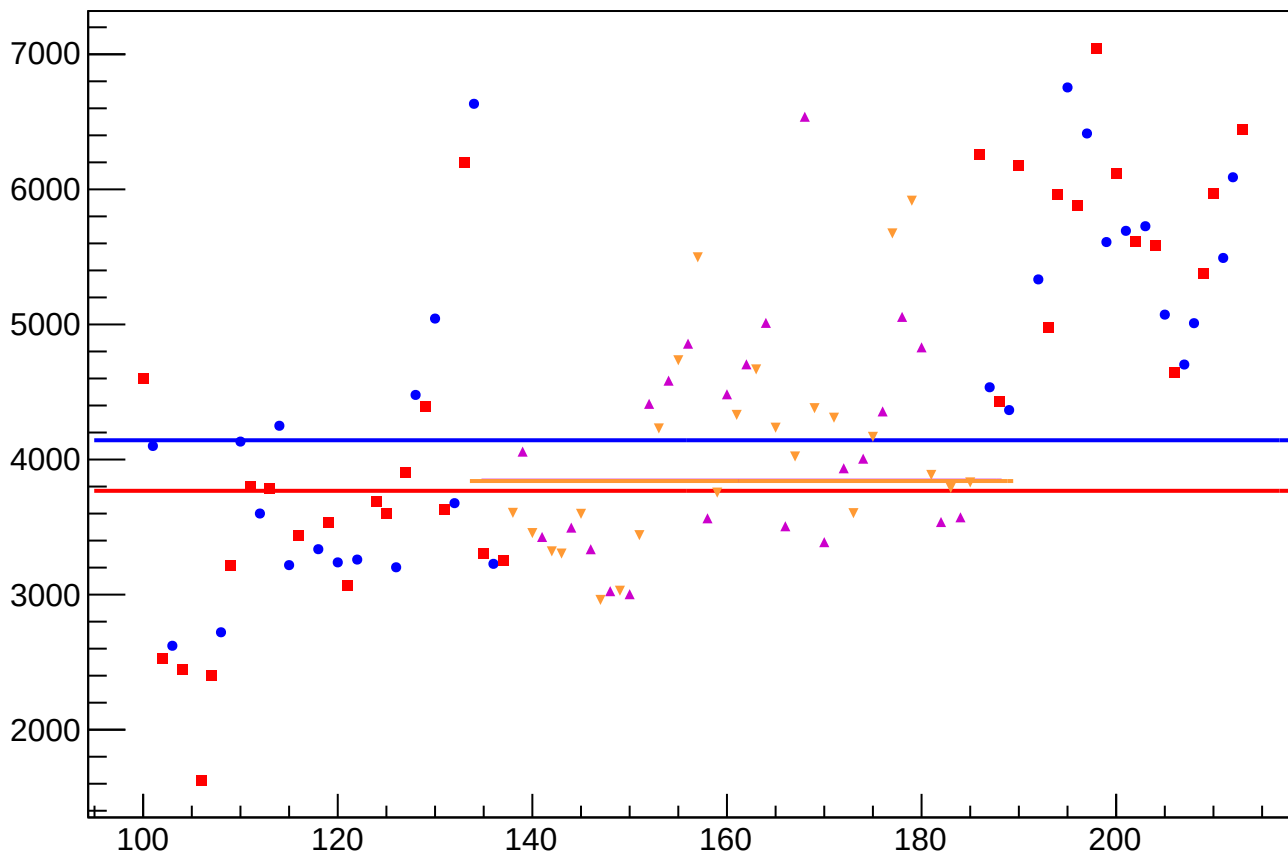
Left In: -121.051 $\pm$ 915.714 χ^2 /NDF: 13.8/22

+ sign -6.954 $\pm$ 675.313 χ^2 /NDF: 56.3/53

All: -212.097 $\pm$ 469.754 χ^2 /NDF: 107.8/109

- sign -404.417 $\pm$ 653.869 χ^2 /NDF: 51.3/55

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4142.723 $\pm$ 0.732 χ^2 /NDF: 2554910.0/28

Left Out: 3840.830 $\pm$ 0.630 χ^2 /NDF:1118666.6/24

Right Out: 3768.433 $\pm$ 0.660 χ^2 /NDF: 4755321.2/32

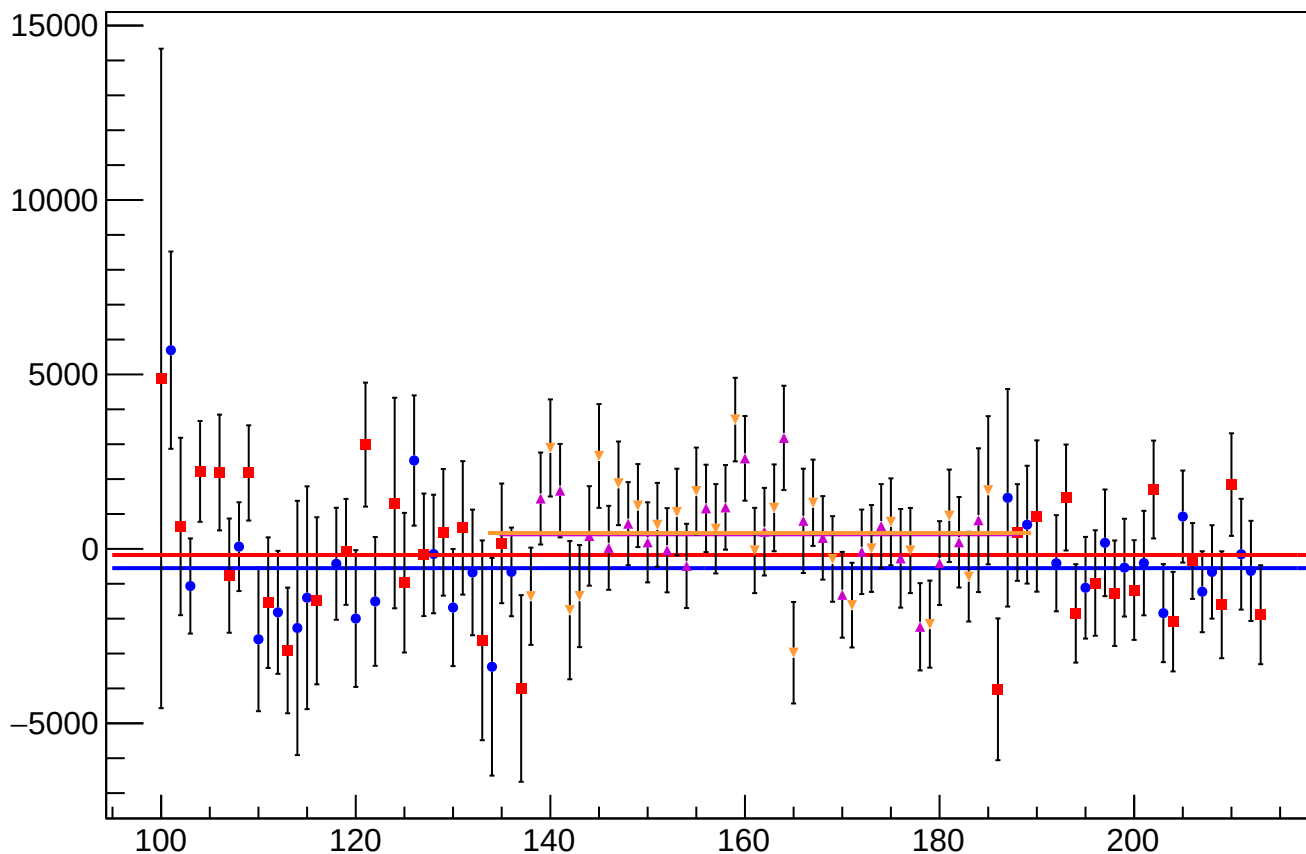
Left In: 3843.328 $\pm$ 0.648 χ^2 /NDF:1196057.8/22

+ sign 3969.443 $\pm$ 0.478 χ^2 /NDF: 3771311.8/53

All: 3885.406 $\pm$ 0.332 χ^2 /NDF: 9789256.4/10

- sign 3806.620 $\pm$ 0.462 χ^2 /NDF: 5957936.3/55

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -552.171 ± 300.570 χ^2/NDF : 15.8/28

Left Out: 455.716 ± 261.006 χ^2/NDF : 36.1/24

Right Out: -174.857 ± 291.020 χ^2/NDF : 33.9/32

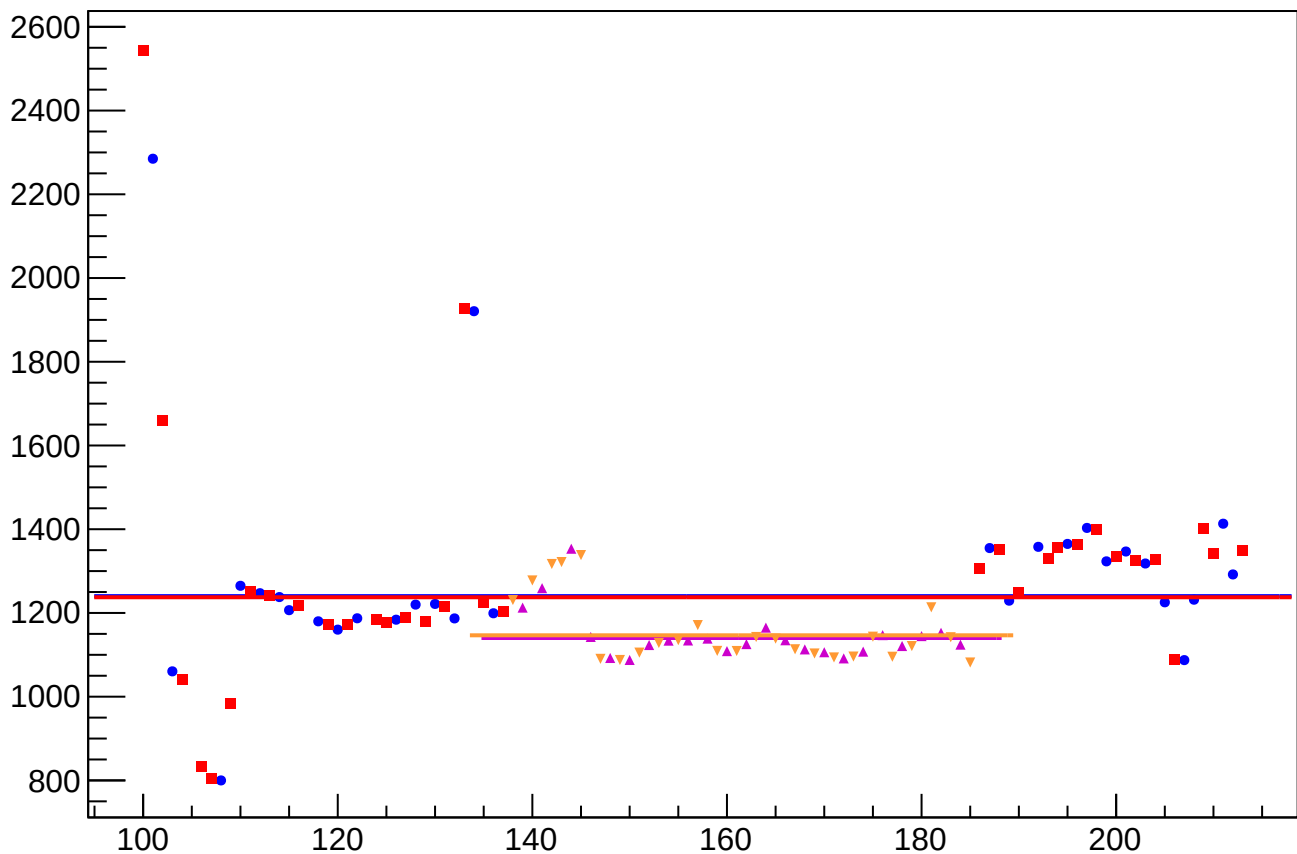
Left In: 417.201 ± 266.583 χ^2/NDF : 17.3/22

+ sign 22.430 ± 197.073 χ^2/NDF : 58.4/53

All: 84.908 ± 139.175 χ^2/NDF : 112.0/109

- sign 147.070 ± 196.575 χ^2/NDF : 53.4/55

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1240.198 $\pm$ 0.213 χ^2 /NDF: 796224.8/28

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF: 141015.8/24

Right Out: 1237.495 $\pm$ 0.206 χ^2 /NDF: 772205.8/32

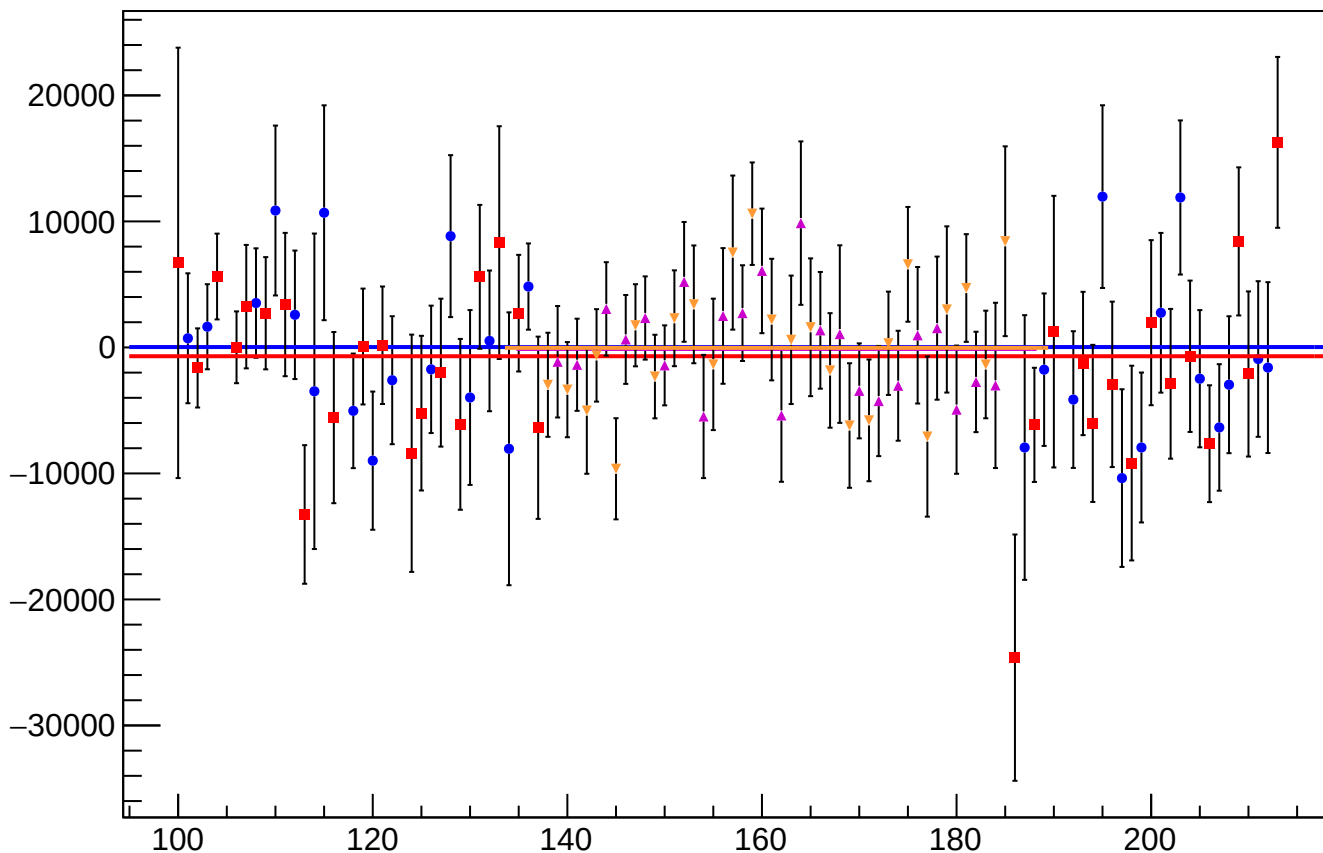
Left In: 1140.169 $\pm$ 0.189 χ^2 /NDF: 84737.2/22

+ sign 1186.845 $\pm$ 0.139 χ^2 /NDF: 1047773.2/53

All: 1185.712 $\pm$ 0.098 χ^2 /NDF: 2026503.6/10

- sign 1184.584 $\pm$ 0.139 χ^2 /NDF: 978598.4/55

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 28.868 $\pm$ 1034.639 χ^2 /NDF: 28.5/28

Left Out: -33.548 $\pm$ 891.372 χ^2 /NDF: 27.8/24

Right Out: -699.192 $\pm$ 933.976 χ^2 /NDF: 37.4/32

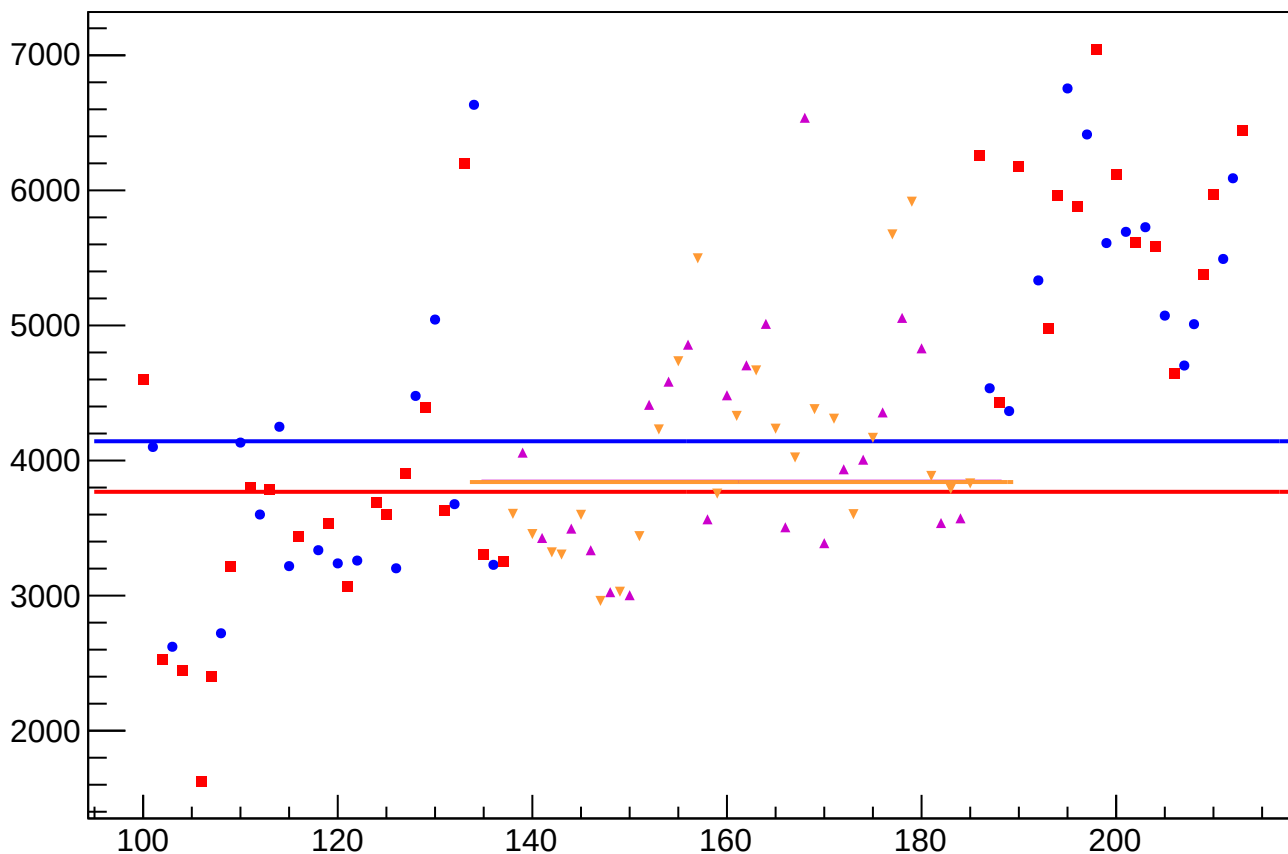
Left In: -121.054 $\pm$ 915.716 χ^2 /NDF: 13.8/22

+ sign -6.957 $\pm$ 675.314 χ^2 /NDF: 56.3/53

All: -212.098 $\pm$ 469.754 χ^2 /NDF: 107.8/109

- sign -404.416 $\pm$ 653.869 χ^2 /NDF: 51.3/55

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4142.721 $\pm$ 0.732 χ^2 /NDF: 2554925.0/28

Left Out: 3840.836 $\pm$ 0.630 χ^2 /NDF: 1118668.2/24

Right Out: 3768.429 $\pm$ 0.660 χ^2 /NDF: 4755348.0/32

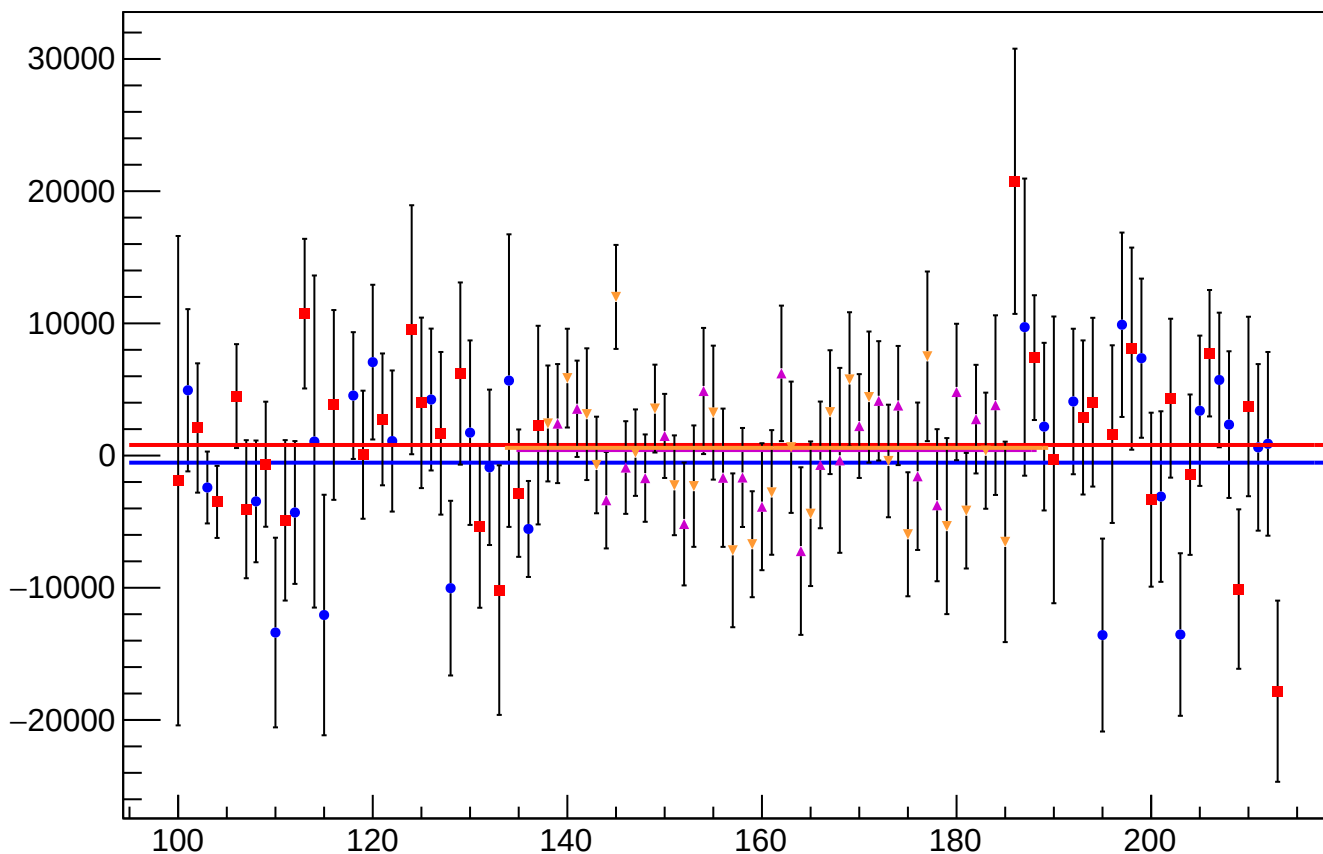
Left In: 3843.333 $\pm$ 0.648 χ^2 /NDF: 1196061.6/22

+ sign 3969.446 $\pm$ 0.478 χ^2 /NDF: 3771323.8/53

All: 3885.407 $\pm$ 0.332 χ^2 /NDF: 9789302.2/10

- sign 3806.620 $\pm$ 0.462 χ^2 /NDF: 5957968.5/55

asym_usr_atr2_dd_mean vs Slug



Right In: -537.050 ± 1047.566 χ^2/NDF : 30.9/28

Left Out: 583.278 ± 894.900 χ^2/NDF : 27.4/24

Right Out: 801.529 ± 992.176 χ^2/NDF : 34.5/32

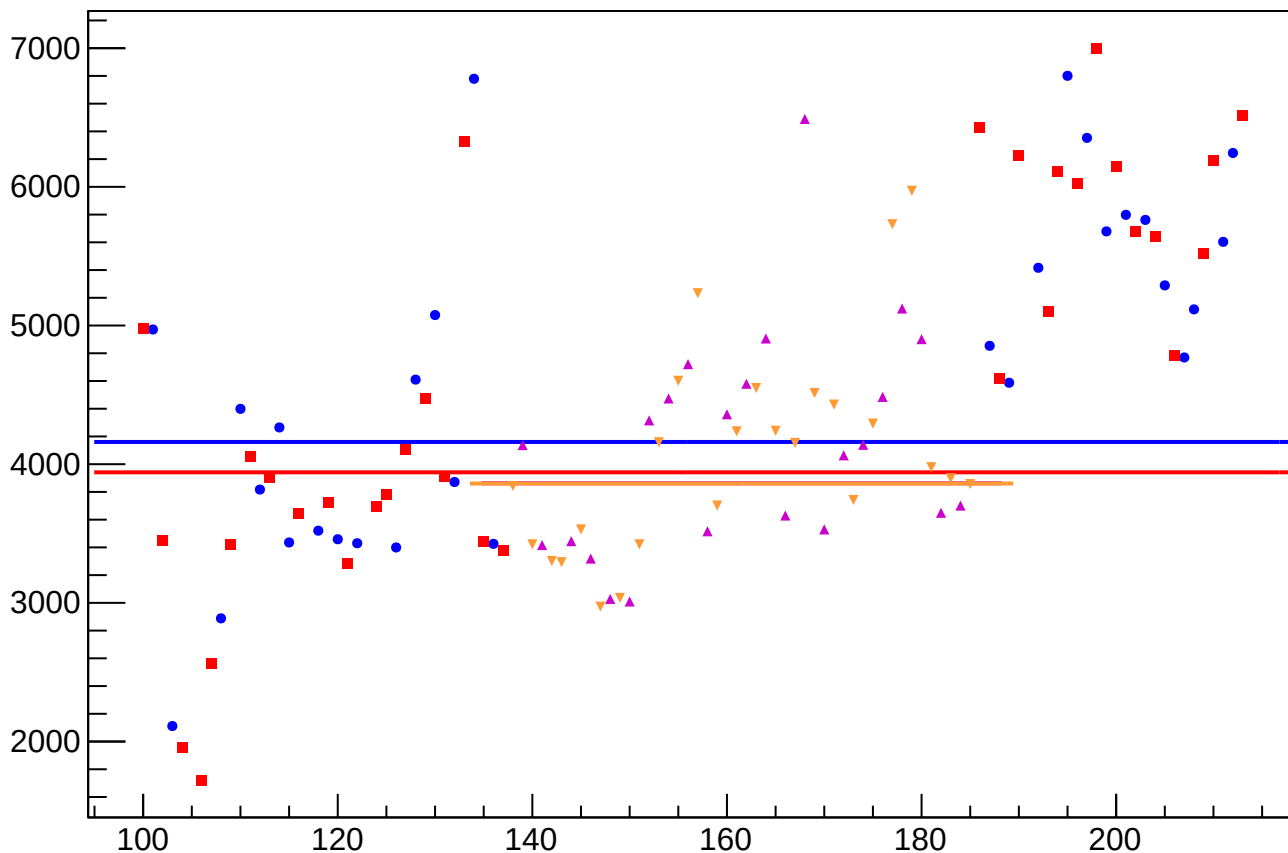
Left In: 416.803 ± 919.006 χ^2/NDF : 12.5/22

+ sign 110.625 ± 680.425 χ^2/NDF : 59.0/53

All: 354.758 ± 478.924 χ^2/NDF : 106.3/109

- sign 594.458 ± 674.220 χ^2/NDF : 47.1/55

asym_usr_atr2_dd_rms vs Slug



Right In: 4160.306 $\pm$ 0.741 χ^2 /NDF: 3155321.4/28

Left Out: 3860.536 $\pm$ 0.633 χ^2 /NDF: 1097292.6/24

Right Out: 3941.314 $\pm$ 0.694 χ^2 /NDF: 4658893.8/32

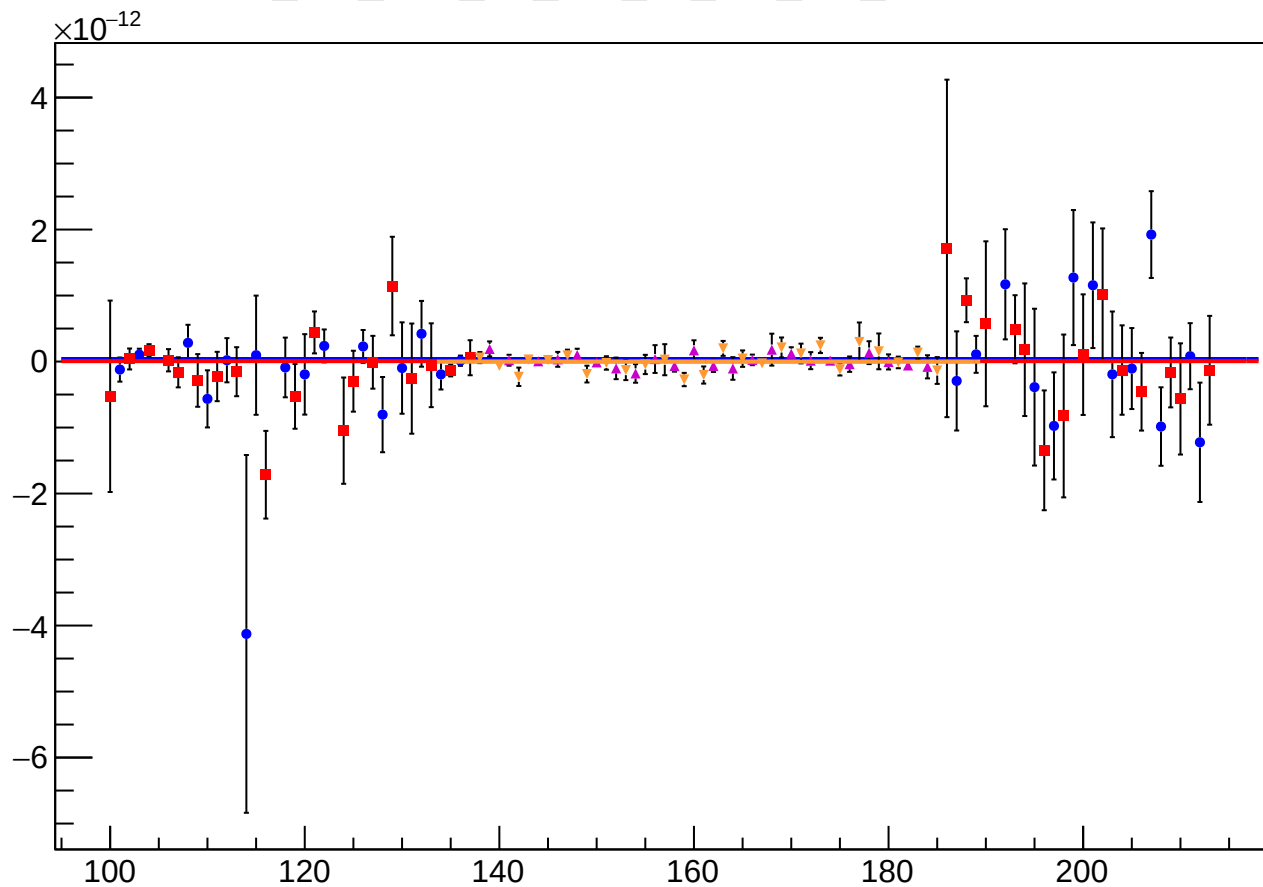
Left In: 3862.339 $\pm$ 0.650 χ^2 /NDF: 1142179.8/22

+ sign 3987.006 $\pm$ 0.481 χ^2 /NDF: 4347293.4/53

All: 3942.496 $\pm$ 0.338 χ^2 /NDF: 10172143.2/101

- sign 3899.246 $\pm$ 0.474 χ^2 /NDF: 5807975.8/55

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 31.7/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 36.2/32

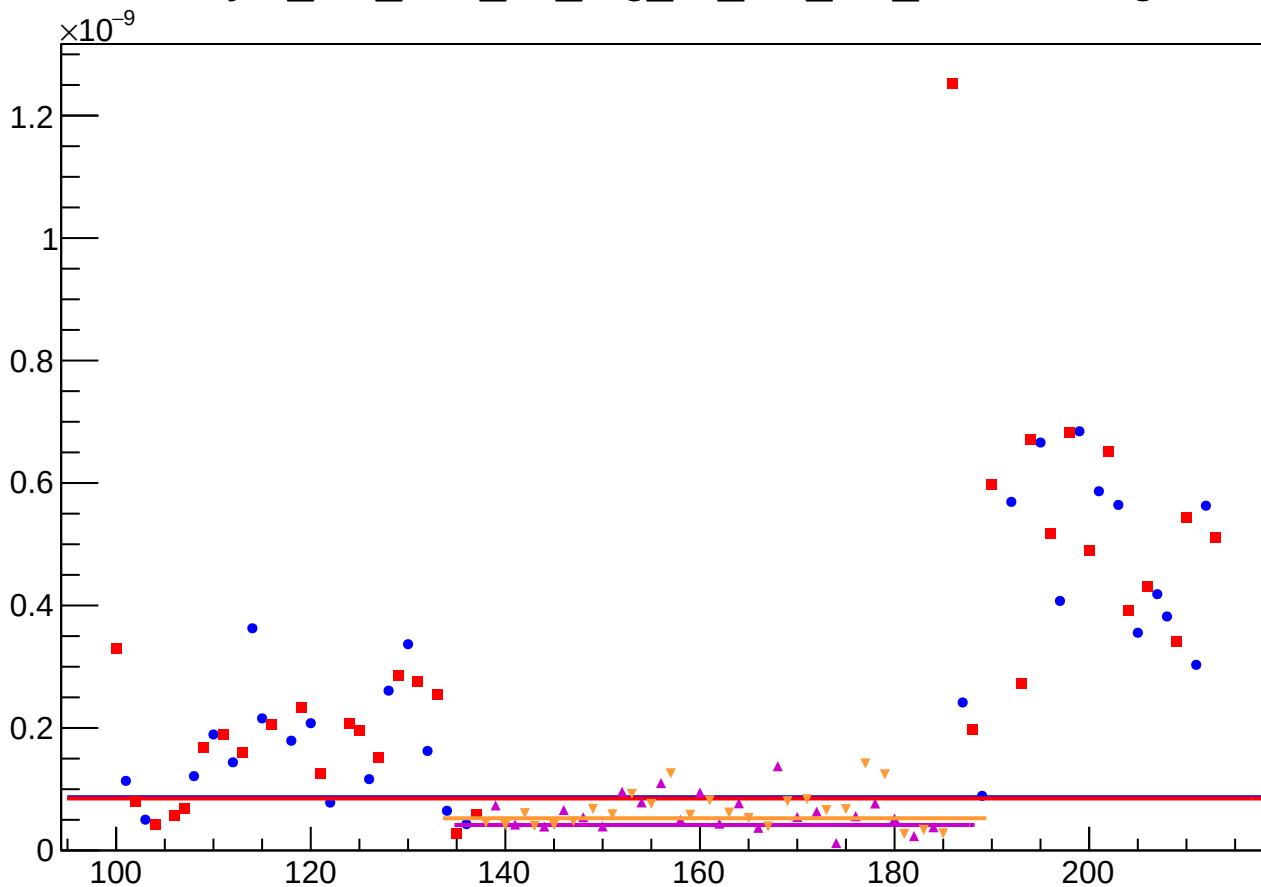
Left In: 0.000 ± 0.000 χ^2/NDF : 12.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 66.6/53

All: 0.000 ± 0.000 χ^2/NDF : 115.7/109

- sign 0.000 ± 0.000 χ^2/NDF : 49.1/55

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7573648.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9212292.8/32

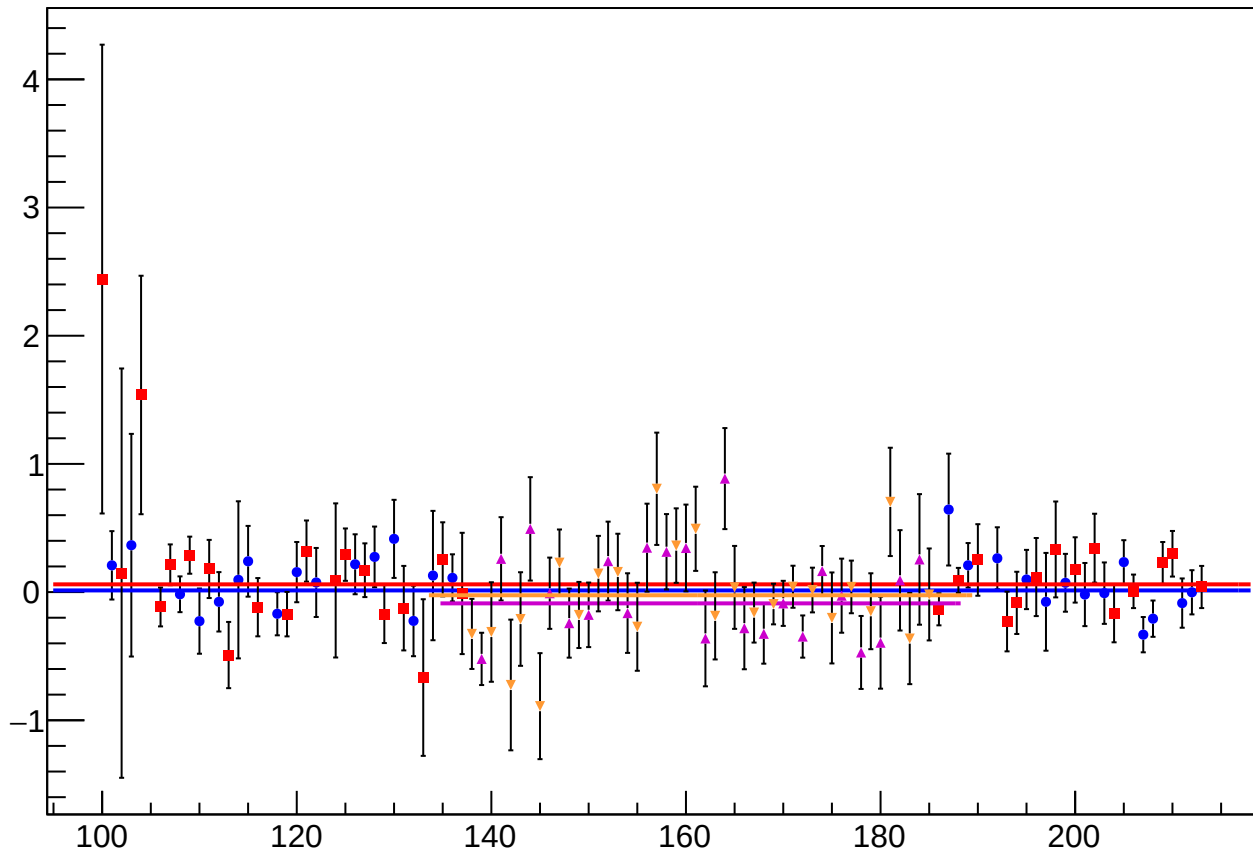
Left In: 0.000+/-0.000 χ^2/NDF : 2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 10067718.9/53

All: 0.000+/-0.000 χ^2/NDF : 23953568.1/109

- sign 0.000+/-0.000 χ^2/NDF : 13558879.3/55

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.040 χ^2/NDF : 24.3/28

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.060 ± 0.036 χ^2/NDF : 33.1/32

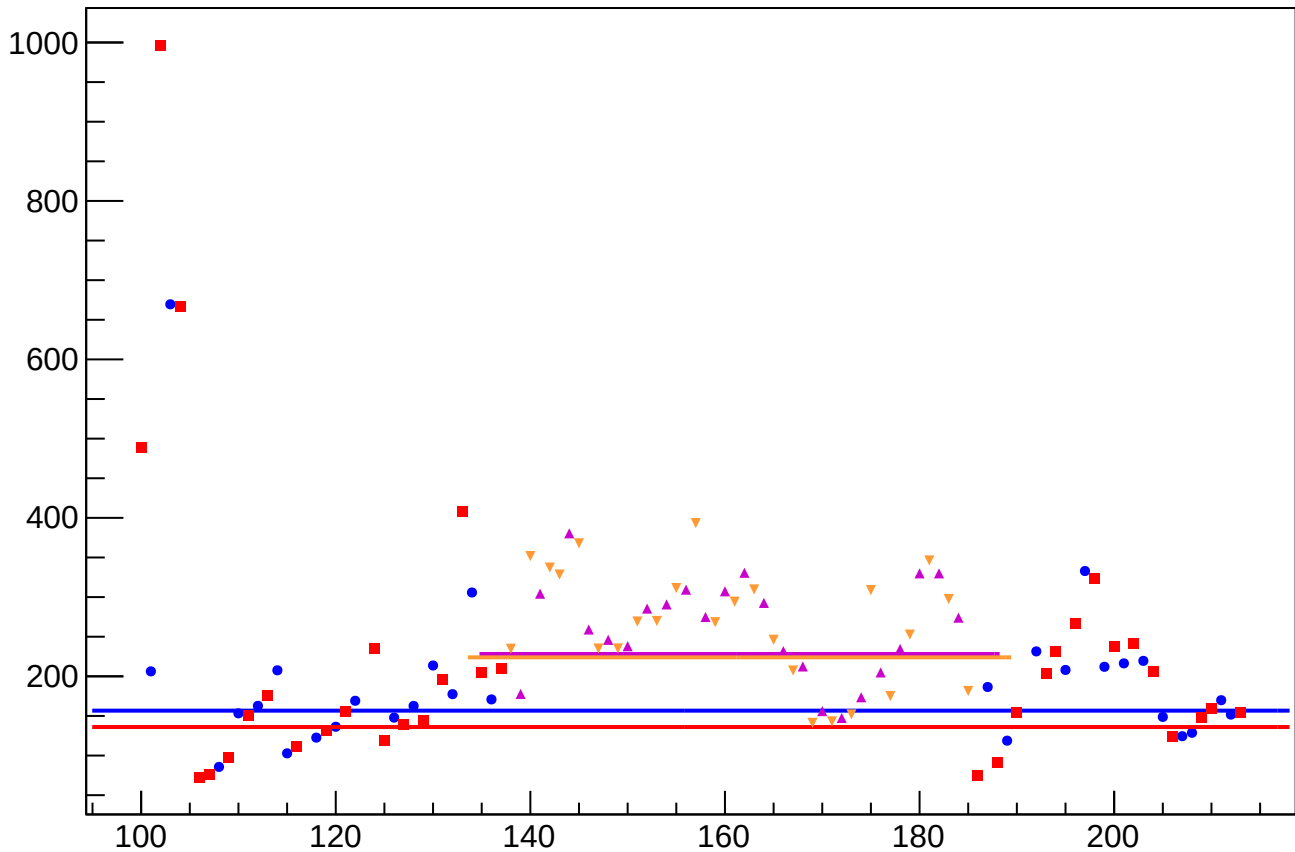
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.033 χ^2/NDF : 48.7/53

All: 0.010 ± 0.022 χ^2/NDF : 116.8/109

- sign 0.018 ± 0.030 χ^2/NDF : 68.0/55

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.681 $\pm$ 0.029 χ^2 /NDF: 3149441.5/28

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF: 3438444.8/24

Right Out: 136.002 $\pm$ 0.025 χ^2 /NDF: 6059367.4/32

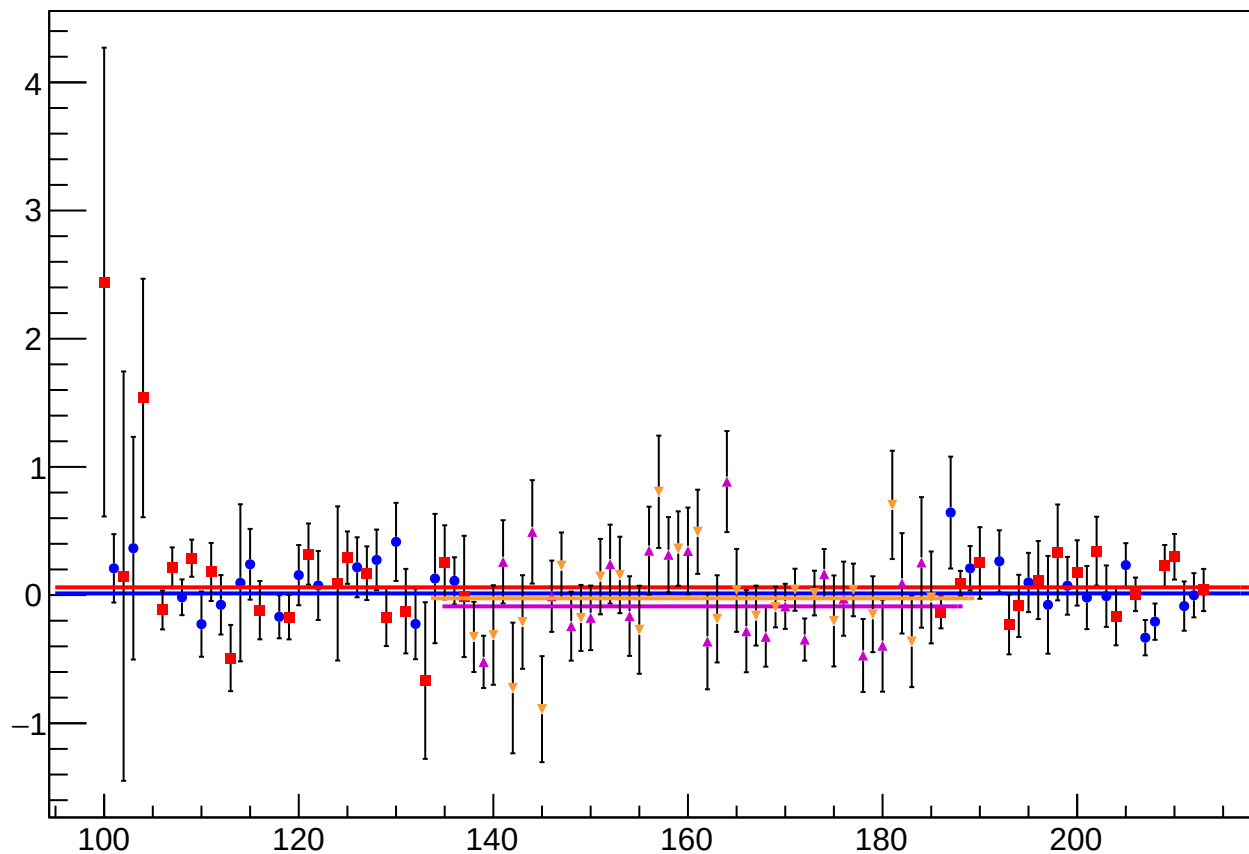
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF: 2488915.3/22

+ sign 180.552 $\pm$ 0.023 χ^2 /NDF: 8546034.3/53

All: 170.723 $\pm$ 0.016 χ^2 /NDF: 21223663.6/10

- sign 162.237 $\pm$ 0.021 χ^2 /NDF: 12337316.1/55

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.040 χ^2/NDF : 24.3/28

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.060 ± 0.036 χ^2/NDF : 33.1/32

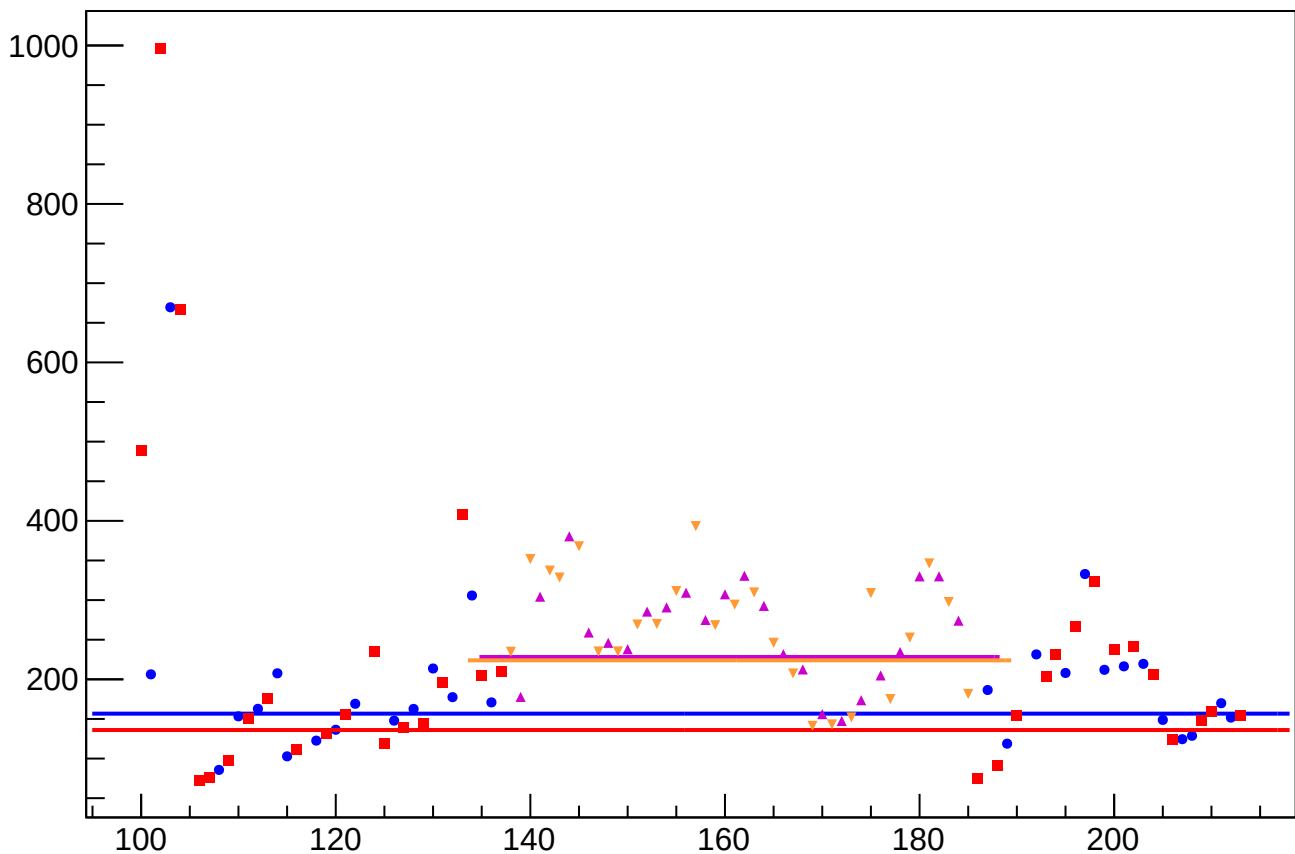
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.033 χ^2/NDF : 48.7/53

All: 0.010 ± 0.022 χ^2/NDF : 116.8/109

- sign 0.018 ± 0.030 χ^2/NDF : 68.0/55

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.681 $\pm$ 0.029 χ^2/NDF : 3149441.5/28

Left Out: 223.945 $\pm$ 0.039 χ^2/NDF : 3438444.8/24

Right Out: 136.002 $\pm$ 0.025 χ^2/NDF : 6059367.4/32

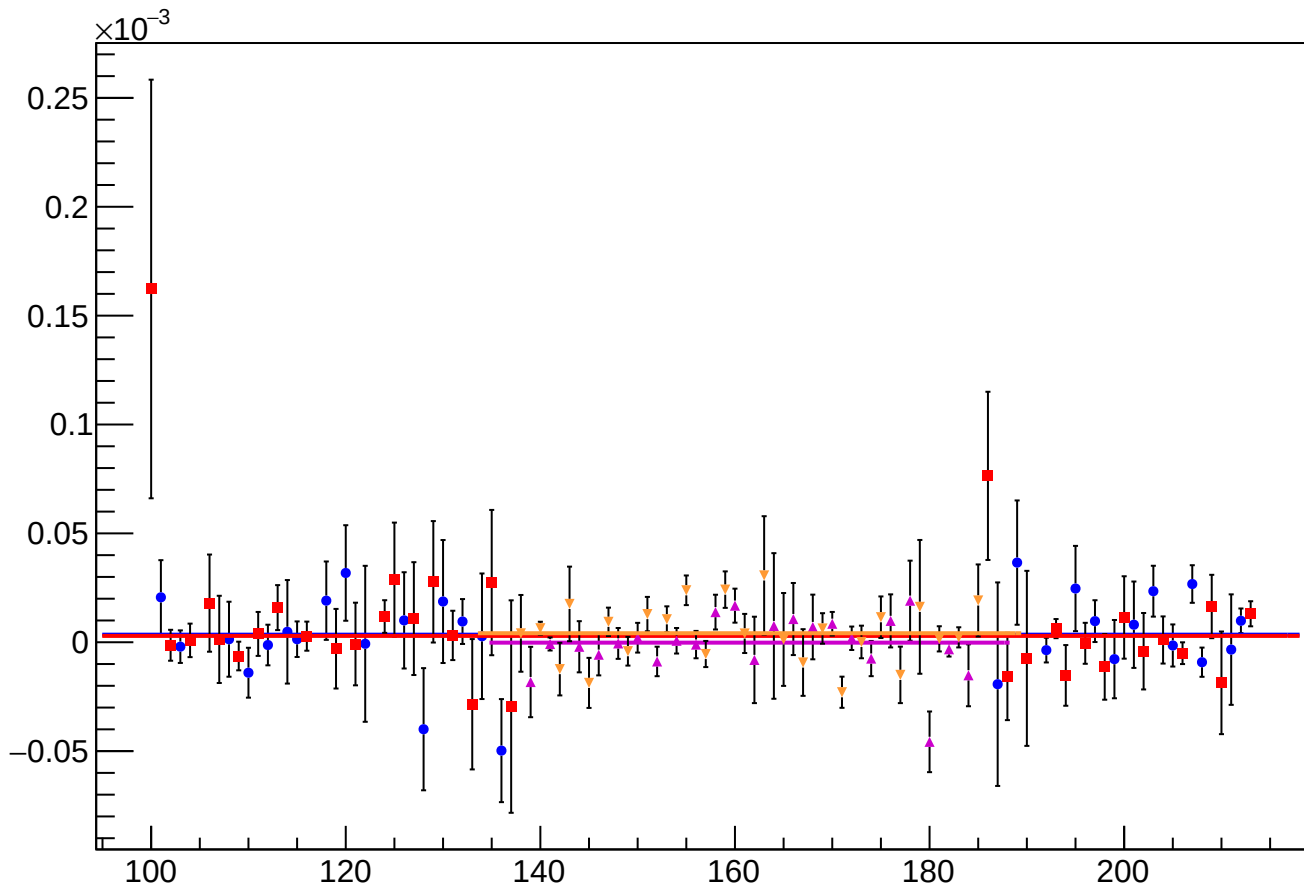
Left In: 228.199 $\pm$ 0.040 χ^2/NDF : 2488915.3/22

+ sign 180.552 $\pm$ 0.023 χ^2/NDF : 8546034.3/53

All: 170.723 $\pm$ 0.016 χ^2/NDF : 21223663.6/10

- sign 162.237 $\pm$ 0.021 χ^2/NDF : 12337316.1/55

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/32

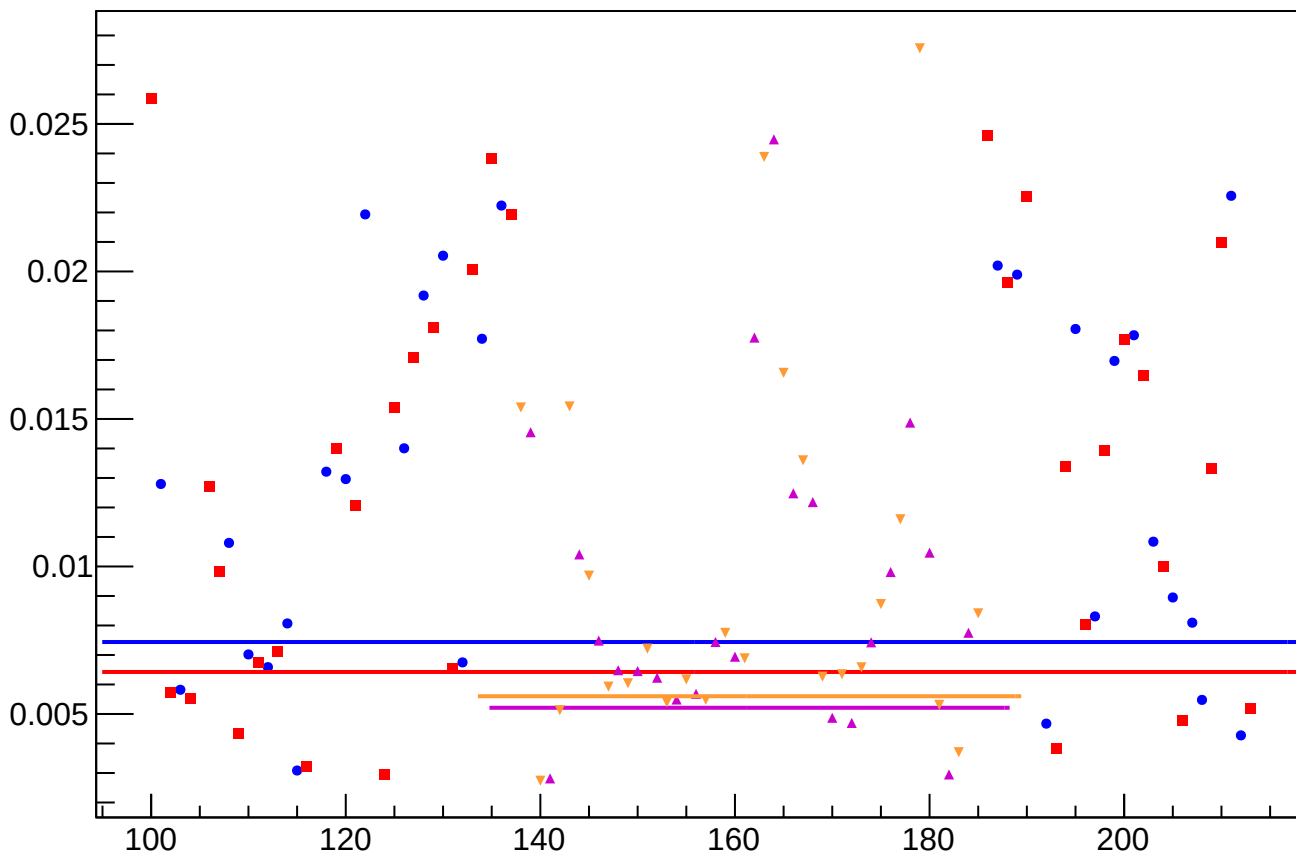
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 84.3/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 147.5/109

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.2/55

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 8077829.0/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7769287.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 10537602.8/32

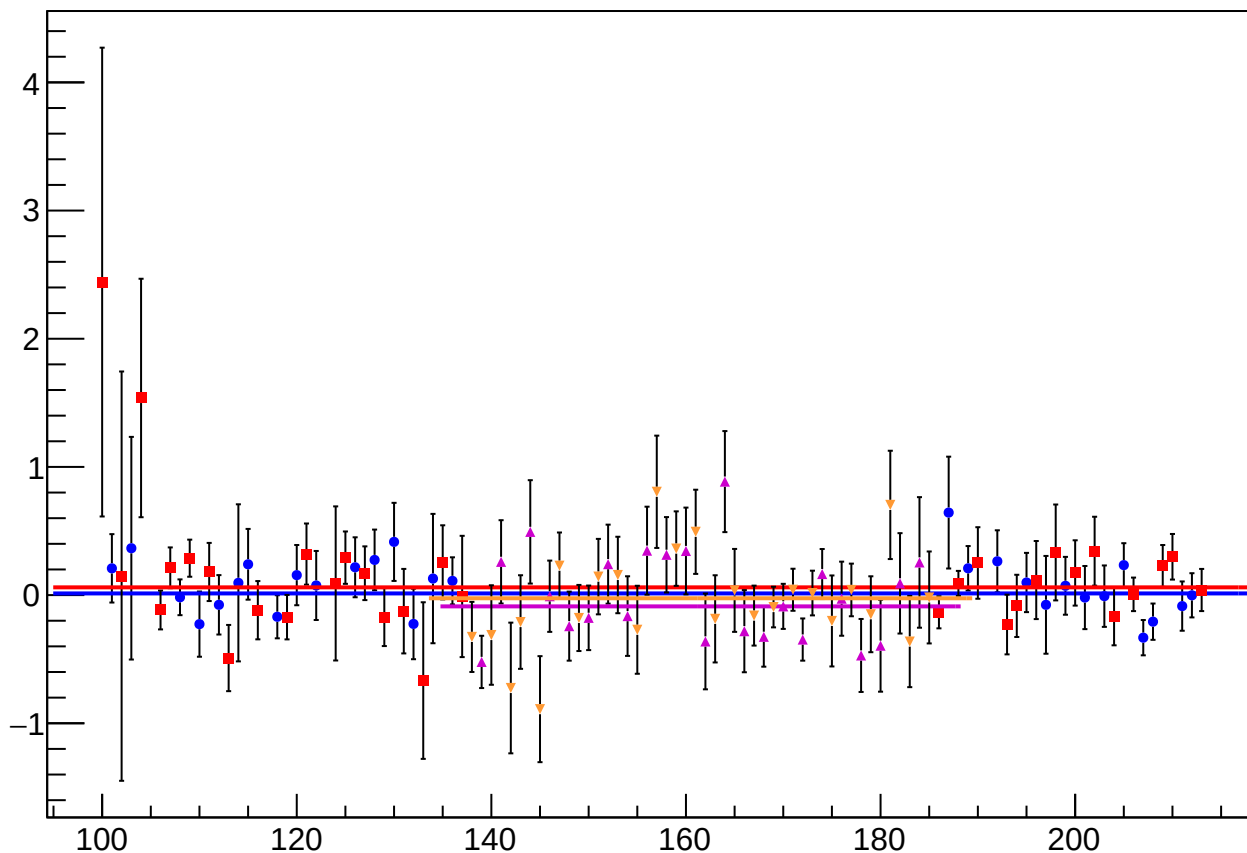
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7460452.2/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 16861299.4/53

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 35612530.4/109

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 18557844.8/55

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.040 χ^2/NDF : 24.3/28

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.060 ± 0.036 χ^2/NDF : 33.1/32

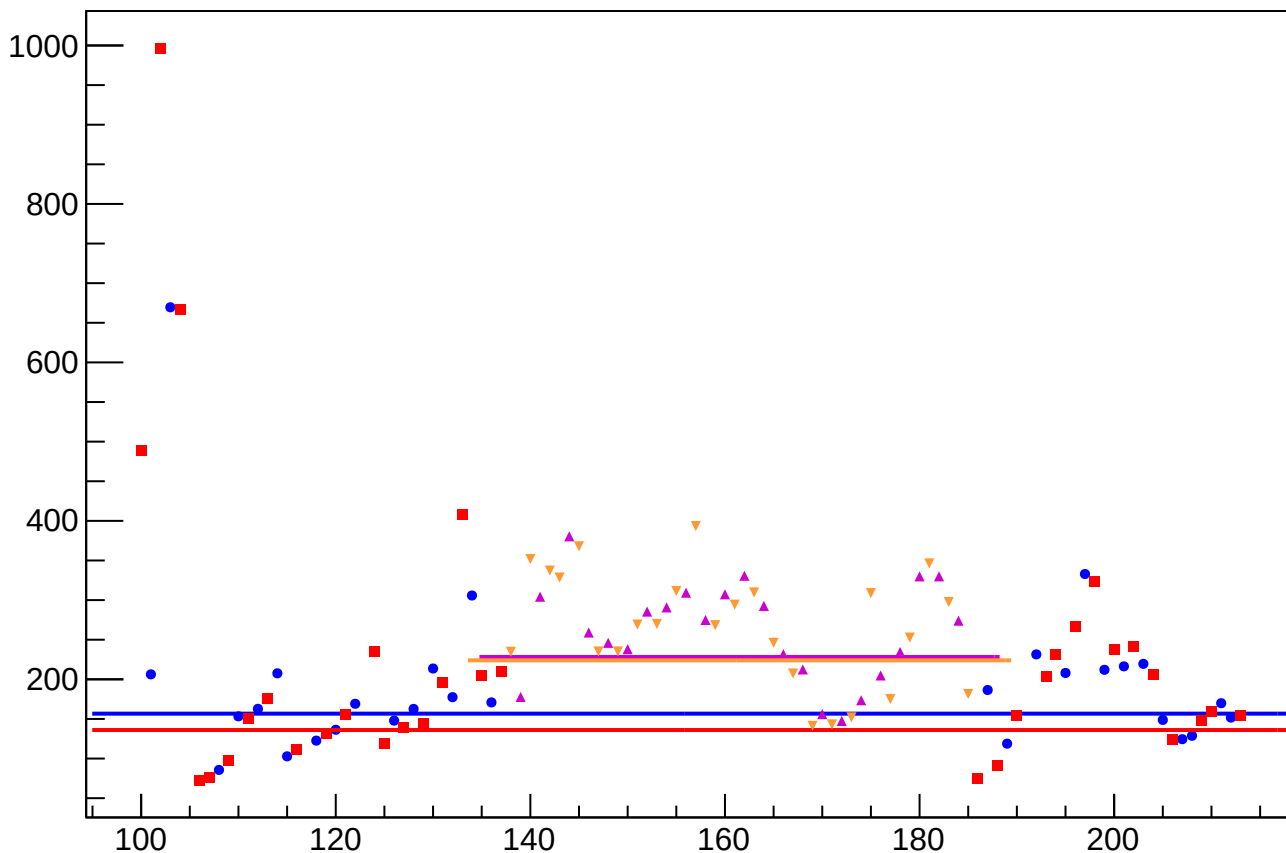
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.033 χ^2/NDF : 48.7/53

All: 0.010 ± 0.022 χ^2/NDF : 116.8/109

- sign 0.018 ± 0.030 χ^2/NDF : 68.0/55

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.679+/-0.029 χ^2/NDF : 3149612.3/28

Left Out: 223.946+/-0.039 χ^2/NDF : 3438541.7/24

Right Out: 136.005+/-0.025 χ^2/NDF : 6058822.0/32

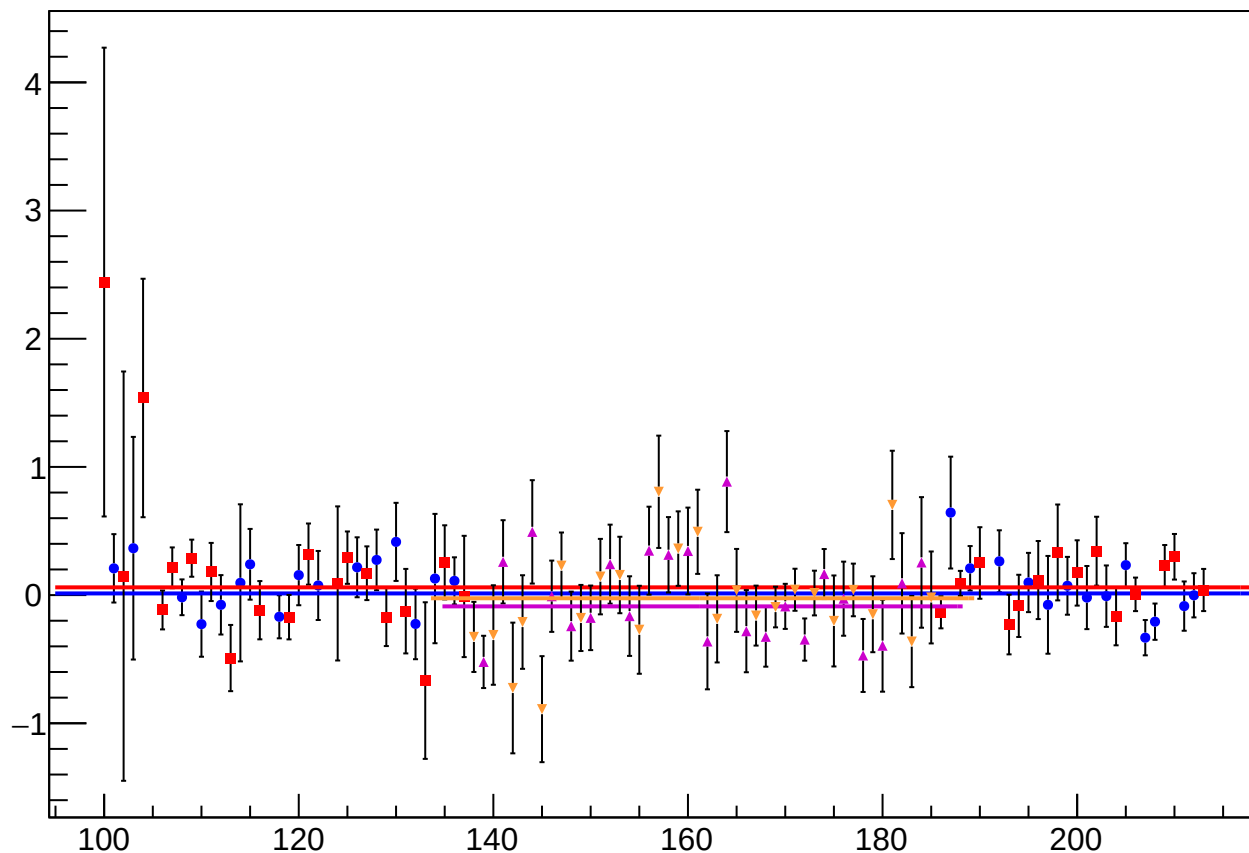
Left In: 228.201+/-0.040 χ^2/NDF : 2488951.6/22

+ sign 180.551+/-0.023 χ^2/NDF : 8546498.6/53

All: 170.725+/-0.016 χ^2/NDF : 21223205.0/10

- sign 162.240+/-0.021 χ^2/NDF : 12336573.1/55

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.040 χ^2/NDF : 24.3/28

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.060 ± 0.036 χ^2/NDF : 33.1/32

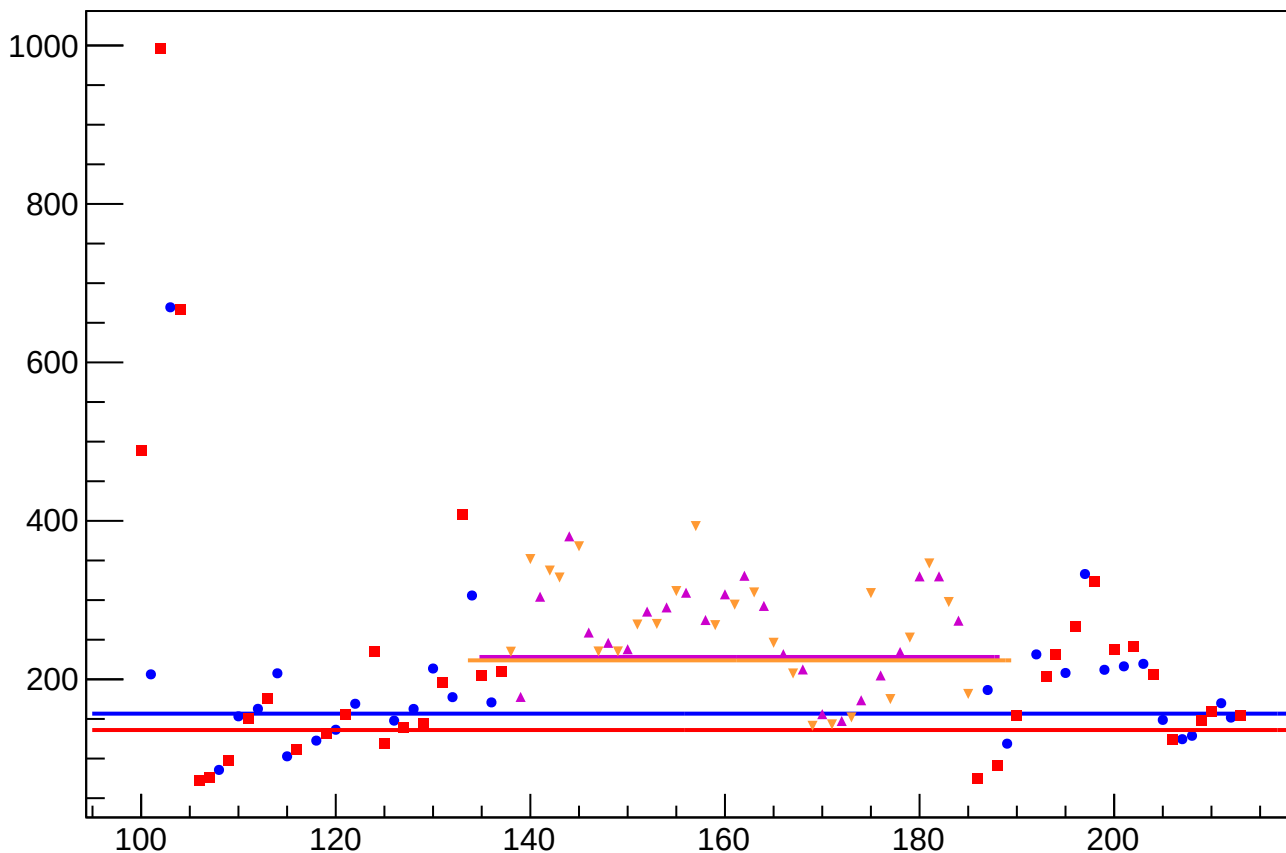
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.033 χ^2/NDF : 48.7/53

All: 0.010 ± 0.022 χ^2/NDF : 116.8/109

- sign 0.018 ± 0.030 χ^2/NDF : 68.0/55

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.679 $\pm$ 0.029 χ^2 /NDF: 3149612.3/28

Left Out: 223.946 $\pm$ 0.039 χ^2 /NDF:3438541.7/24

Right Out: 136.005 $\pm$ 0.025 χ^2 /NDF: 6058822.0/32

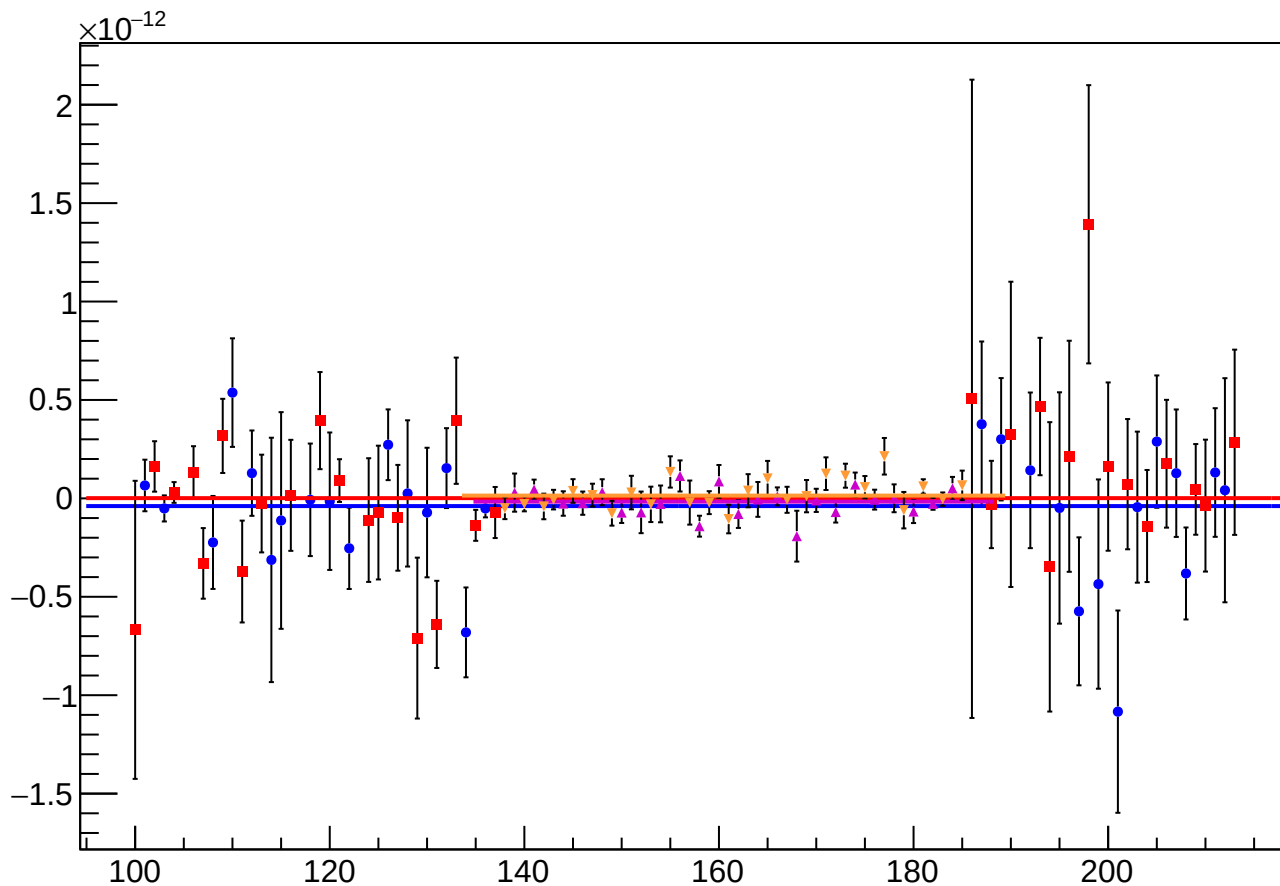
Left In: 228.201 $\pm$ 0.040 χ^2 /NDF:2488951.6/22

+ sign 180.551 $\pm$ 0.023 χ^2 /NDF: 8546498.6/53

All: 170.725 $\pm$ 0.016 χ^2 /NDF: 21223205.0/10

- sign 162.240 $\pm$ 0.021 χ^2 /NDF: 12336573.1/55

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 32.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.3/32

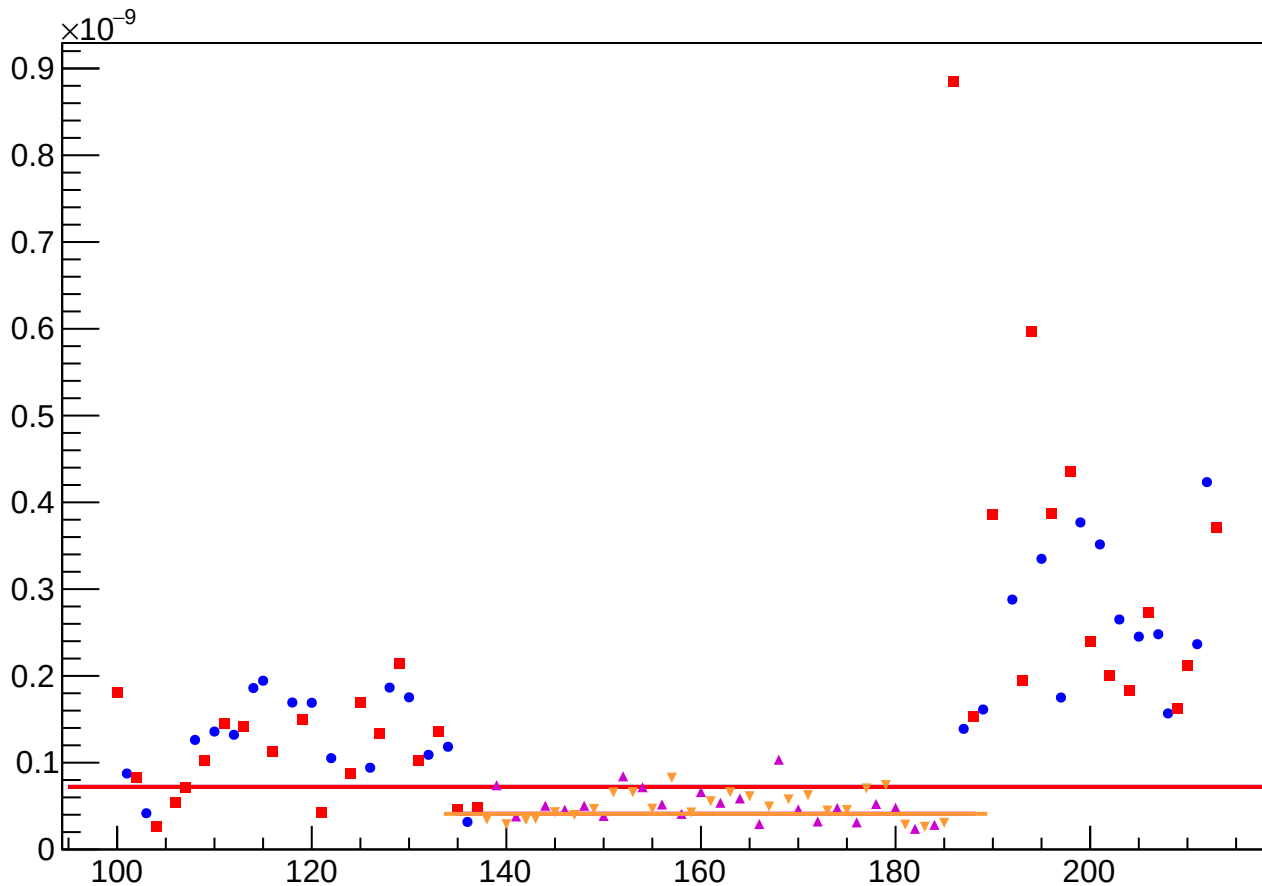
Left In: -0.000 ± 0.000 χ^2/NDF : 21.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 60.2/53

All: -0.000 ± 0.000 χ^2/NDF : 123.3/109

- sign -0.000 ± 0.000 χ^2/NDF : 61.3/55

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9342287.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2644306.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9859771.0/32

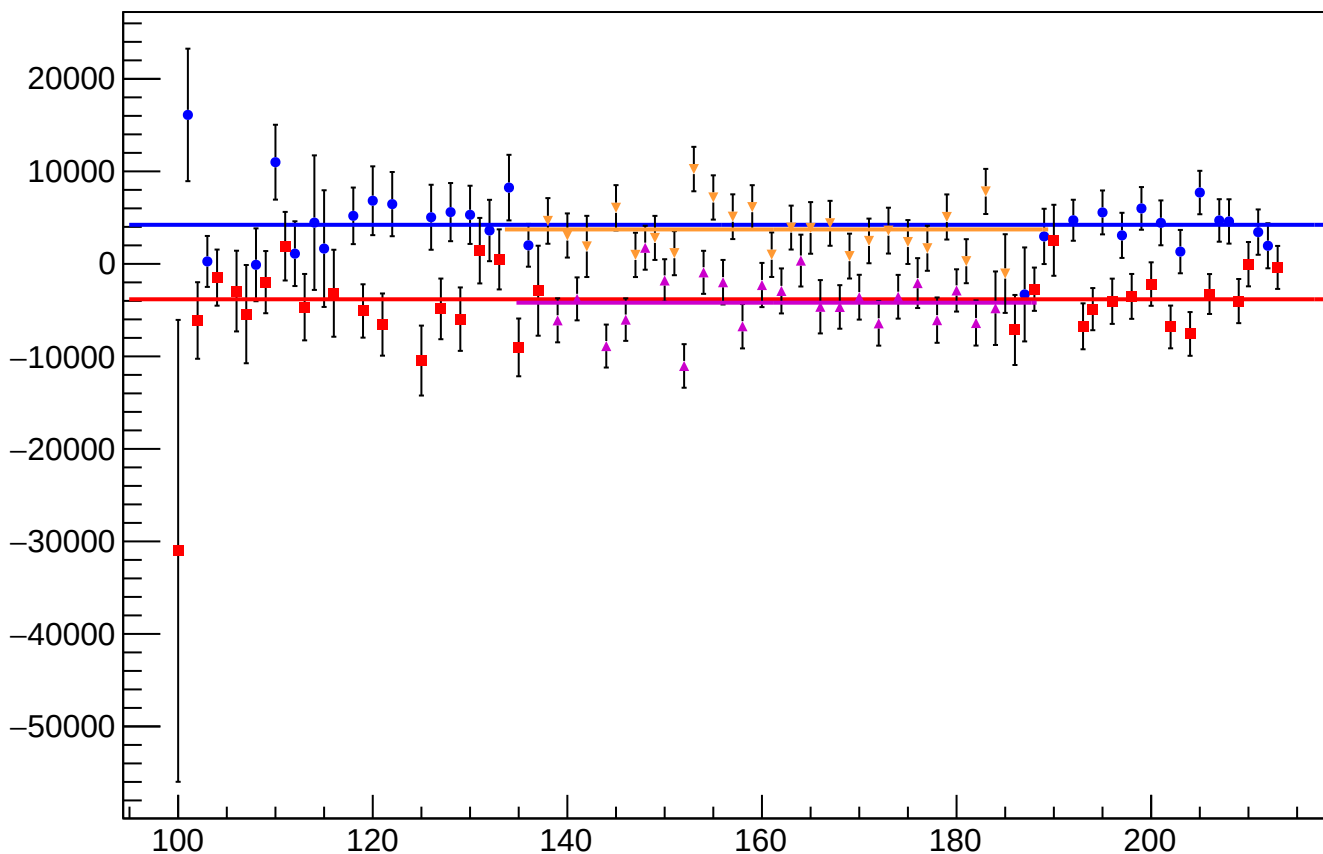
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2852113.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13767118.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 28250761.4/109

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14482561.7/55

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4223.100 $\pm$ 540.251 χ^2/NDF : 21.7/28

Left Out: 3723.486 $\pm$ 507.155 χ^2/NDF : 25.4/23

Right Out: -3826.662 $\pm$ 525.113 χ^2/NDF : 31.0/31

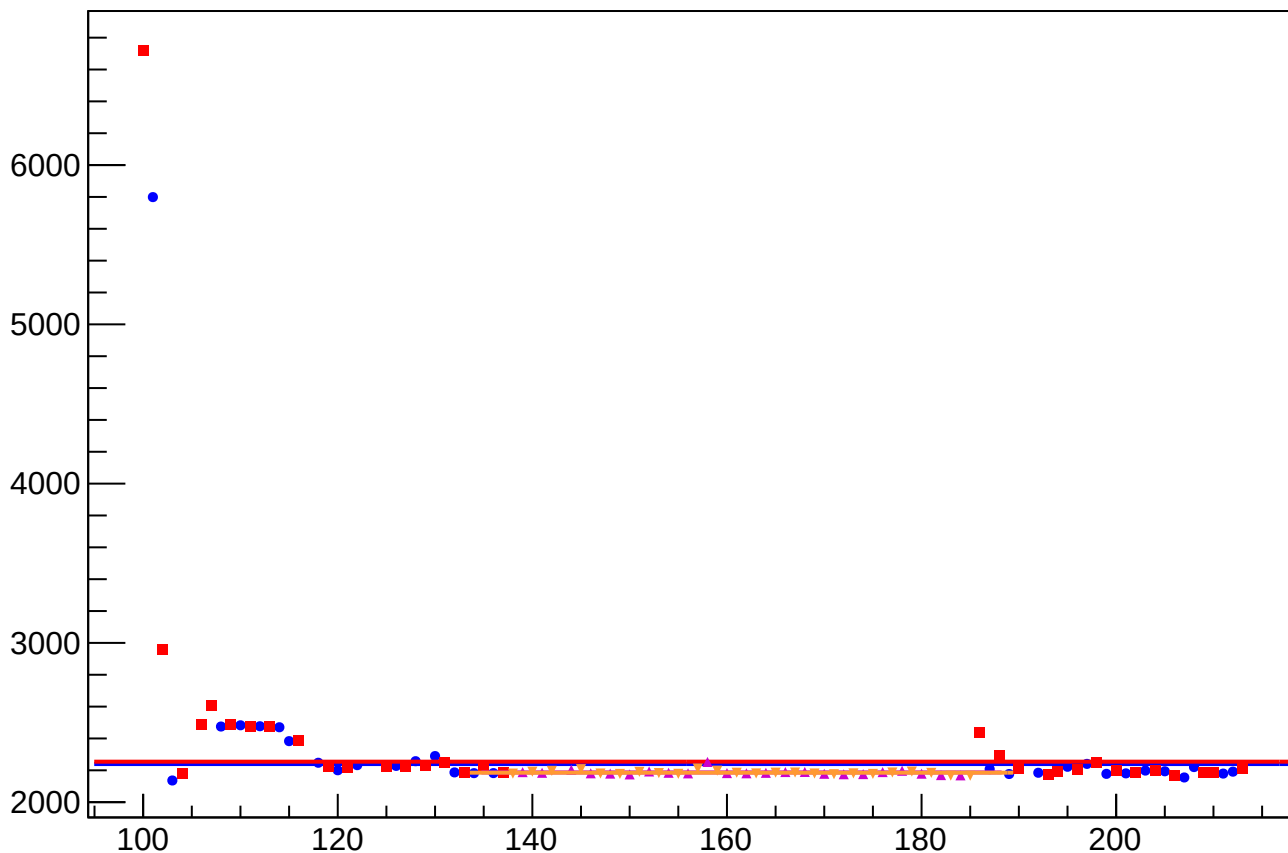
Left In: -4195.942 $\pm$ 510.578 χ^2/NDF : 32.1/22

+ sign 3957.522 $\pm$ 369.760 χ^2/NDF : 47.6/52

All: -69.531 $\pm$ 260.143 χ^2/NDF : 345.9/107

- sign -4016.484 $\pm$ 366.064 χ^2/NDF : 63.4/54

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2239.328+/-0.382 χ^2/NDF : 537703.7/28

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2254.268+/-0.371 χ^2/NDF : 187037.6/31

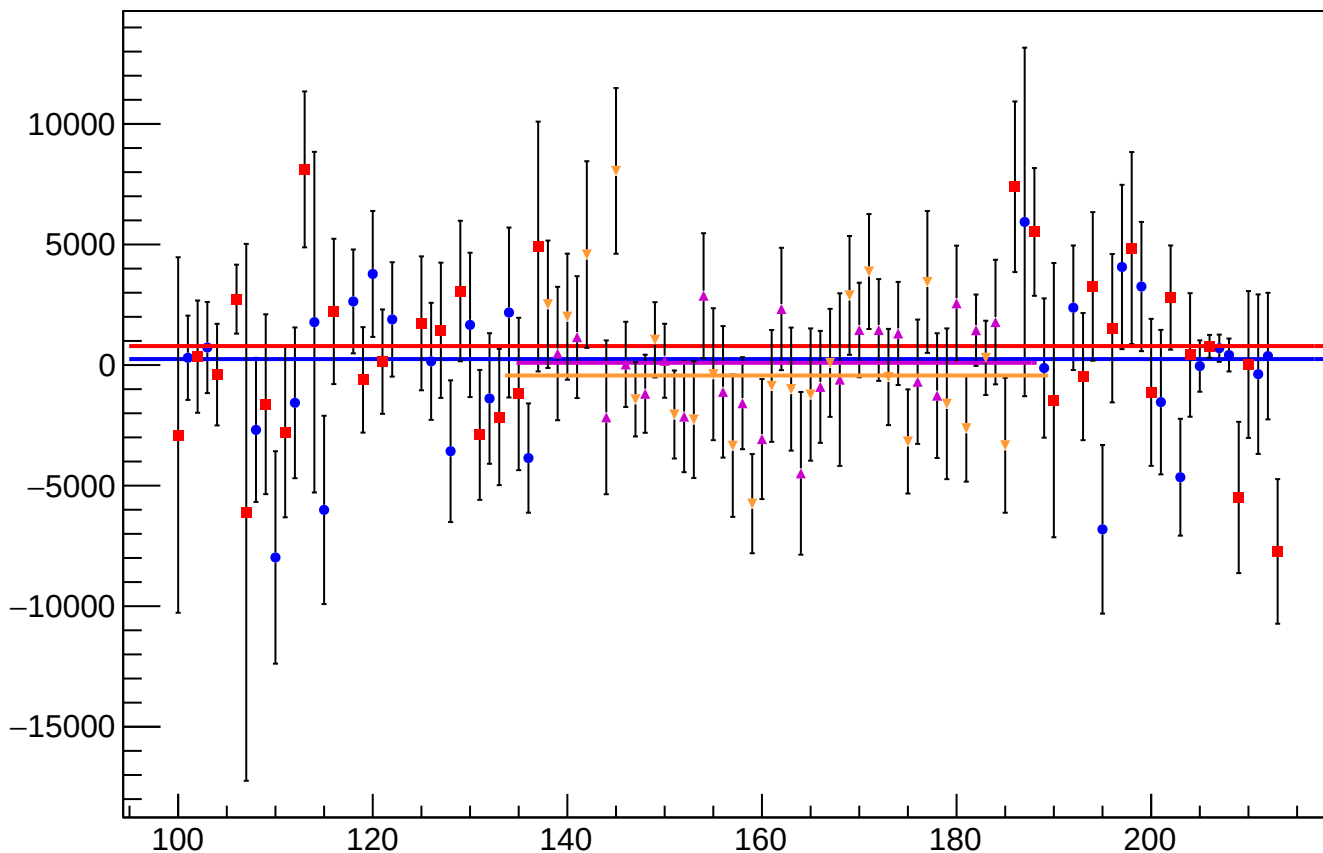
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2210.520+/-0.261 χ^2/NDF : 549217.3/52

All: 2215.085+/-0.184 χ^2/NDF : 755920.9/107

- sign 2219.559+/-0.259 χ^2/NDF : 206100.0/54

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: 248.257+/-322.785 χ^2/NDF : 30.0/28

Left Out: -432.286+/-462.383 χ^2/NDF :31.3/23

Right Out: 787.697+/-345.206 χ^2/NDF : 37.1/31

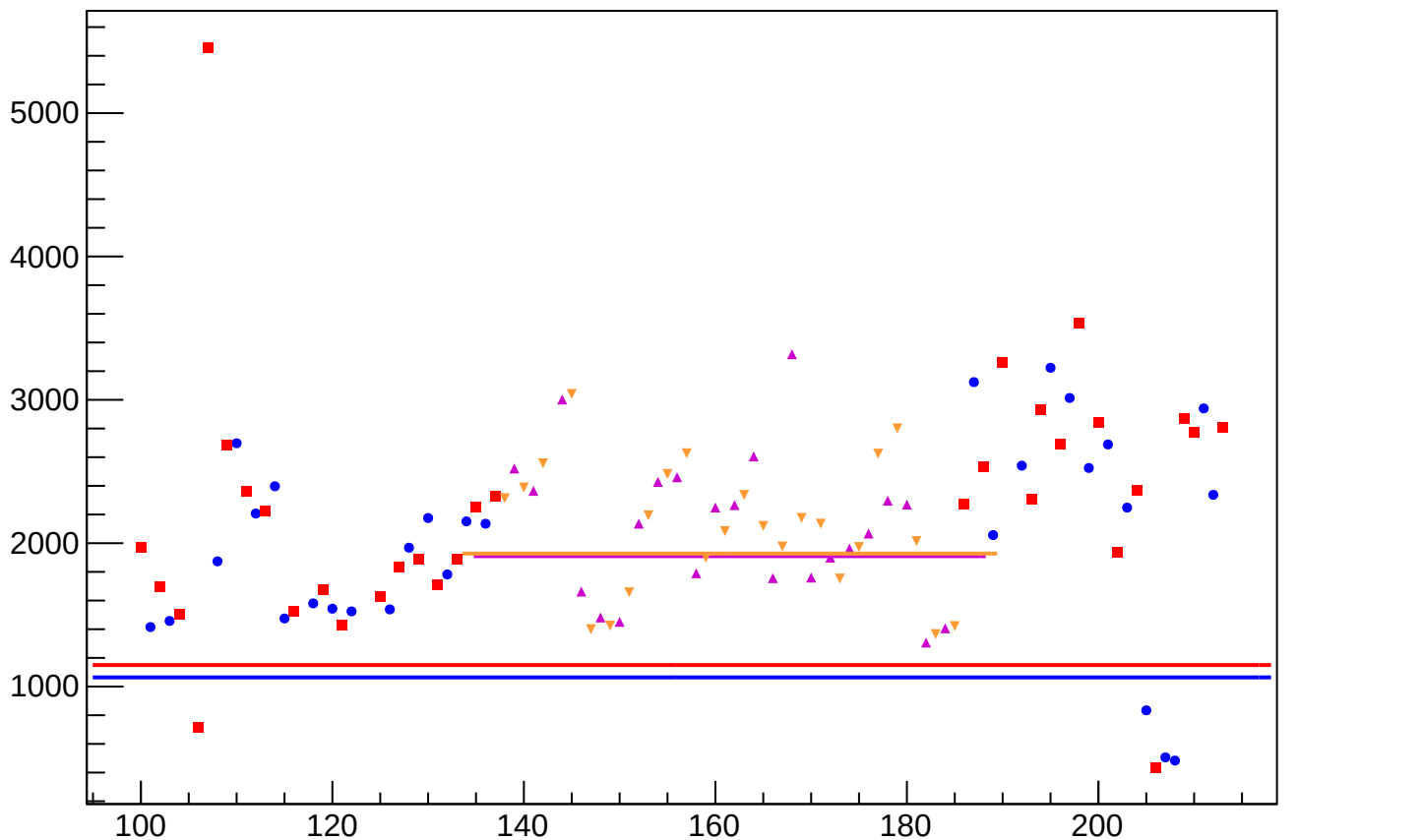
Left In: 92.649+/-460.669 χ^2/NDF :12.8/22

+ sign 25.275+/-264.673 χ^2/NDF : 62.8/52

All: 270.551+/-191.114 χ^2/NDF : 115.9/107

- sign 537.753+/-276.250 χ^2/NDF : 51.4/54

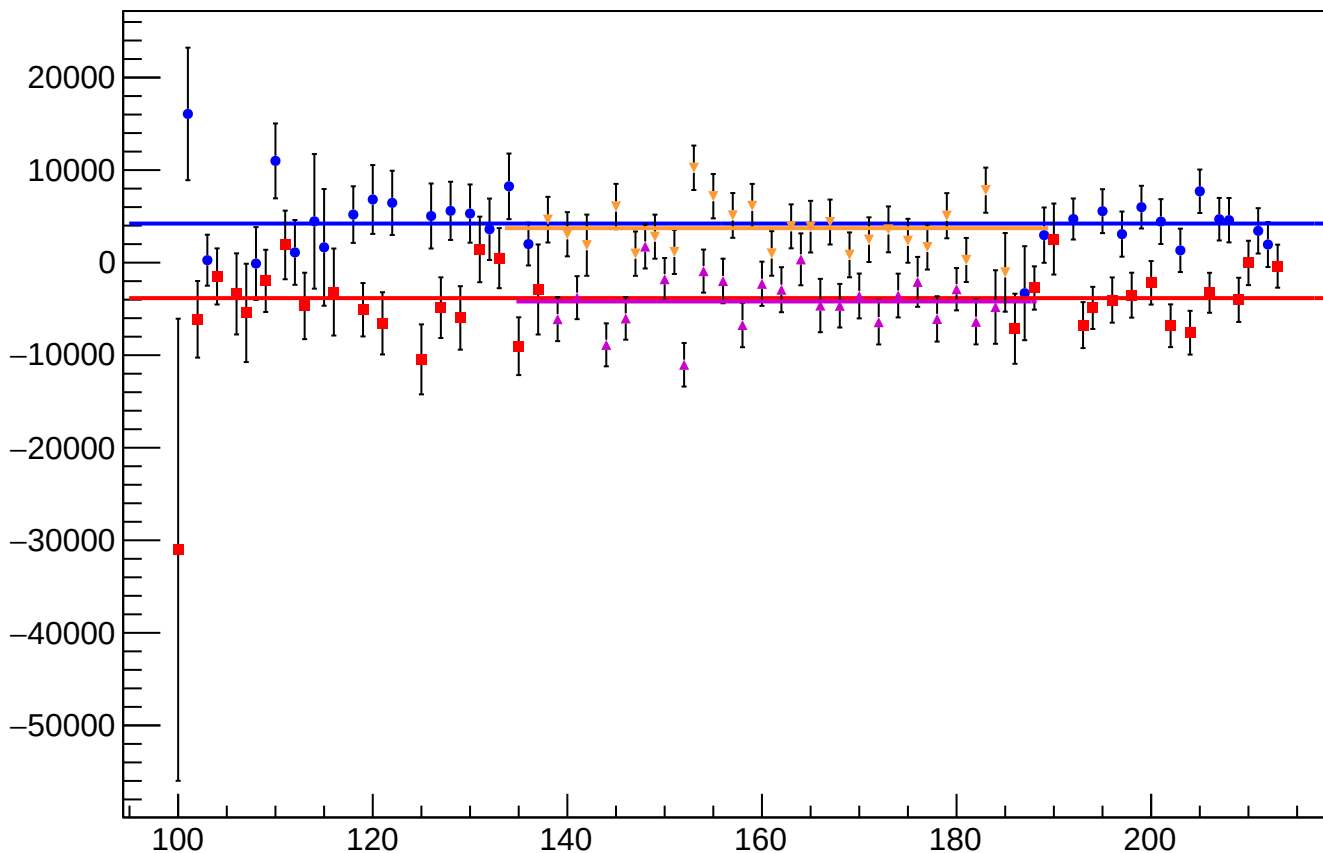
asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1063.898 $\pm$ 0.228 χ^2 /NDF: 11272427.8/28
 Left Out: 1927.660 $\pm$ 0.327 χ^2 /NDF: 1798383.1/23
 Right Out: 1150.018 $\pm$ 0.244 χ^2 /NDF: 13527430.9/31
 Left In: 1909.612 $\pm$ 0.326 χ^2 /NDF: 1942264.8/22

+ sign 1346.913 $\pm$ 0.187 χ^2 /NDF: 17763344.4/52
 All: 1383.411 $\pm$ 0.135 χ^2 /NDF: 36794777.6/1
 - sign 1423.173 $\pm$ 0.195 χ^2 /NDF: 18951966.3/54

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4222.876 ± 540.251 χ^2/NDF : 21.7/28

Left Out: 3723.433 ± 507.155 χ^2/NDF : 25.4/23

Right Out: -3833.240 ± 525.146 χ^2/NDF : 31.0/31

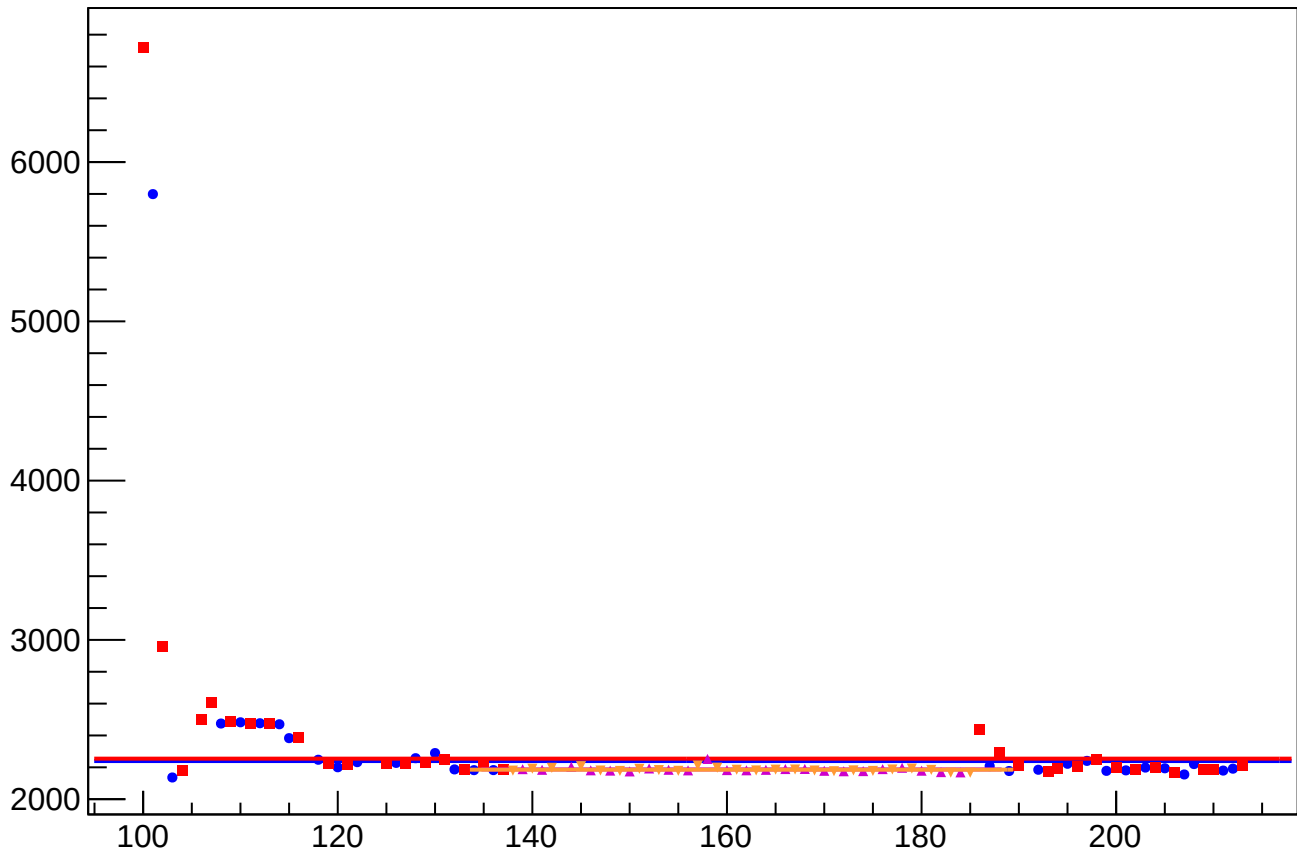
Left In: -4196.060 ± 510.578 χ^2/NDF : 32.1/22

+ sign 3957.389 ± 369.760 χ^2/NDF : 47.6/52

All: -71.126 ± 260.147 χ^2/NDF : 346.0/107

- sign -4019.752 ± 366.075 χ^2/NDF : 63.3/54

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2239.328 ± 0.382 χ^2/NDF : 537704.1/28

Left Out: 2185.133 ± 0.359 χ^2/NDF : 815.1/23

Right Out: 2254.392 ± 0.371 χ^2/NDF : 187526.4/31

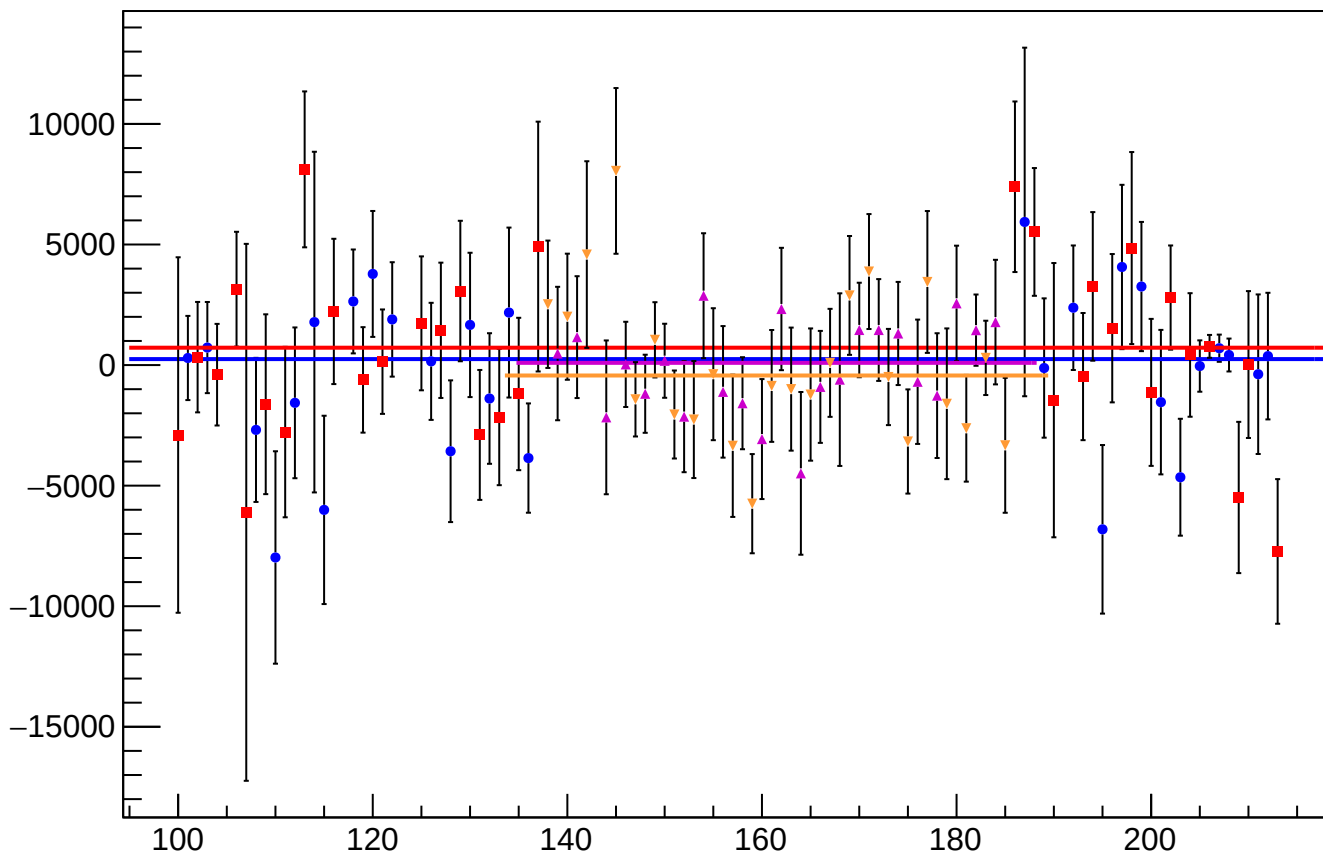
Left In: 2186.745 ± 0.361 χ^2/NDF : 2063.9/22

+ sign 2210.520 ± 0.261 χ^2/NDF : 549217.7/52

All: 2215.114 ± 0.184 χ^2/NDF : 756479.6/107

- sign 2219.618 ± 0.259 χ^2/NDF : 206650.5/54

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: 248.078+/-322.764 χ^2/NDF : 30.0/28

Left Out: -432.320+/-462.383 χ^2/NDF :31.3/23

Right Out: 720.396+/-351.693 χ^2/NDF : 36.2/31

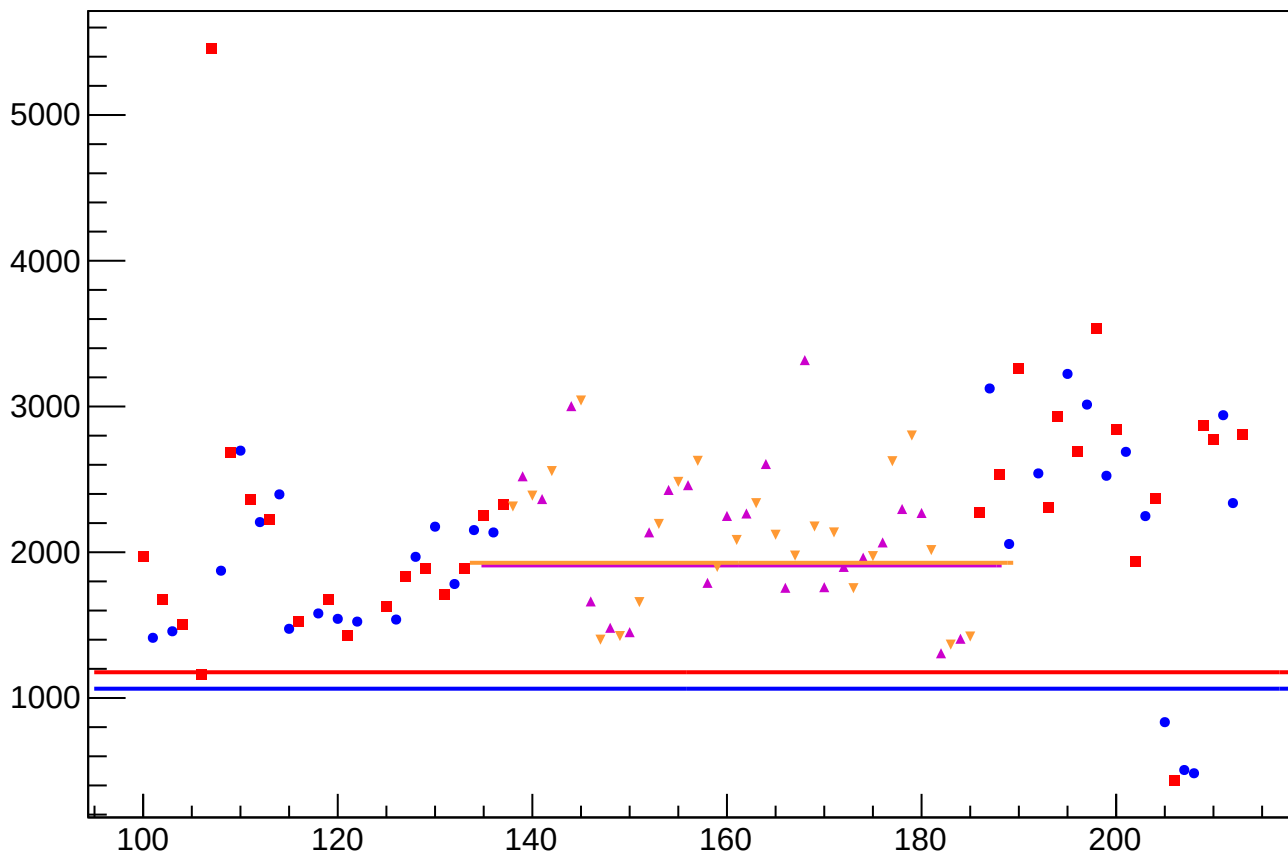
Left In: 92.604+/-460.670 χ^2/NDF :12.8/22

+ sign 25.163+/-264.661 χ^2/NDF : 62.8/52

All: 244.517+/-192.189 χ^2/NDF : 114.4/107

- sign 489.229+/-279.541 χ^2/NDF : 50.2/54

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1063.838+/-0.228 χ^2/NDF : 11272249.4/28

Left Out: 1927.659+/-0.327 χ^2/NDF : 1798407.2/23

Right Out: 1176.694+/-0.249 χ^2/NDF : 13326878.5/31

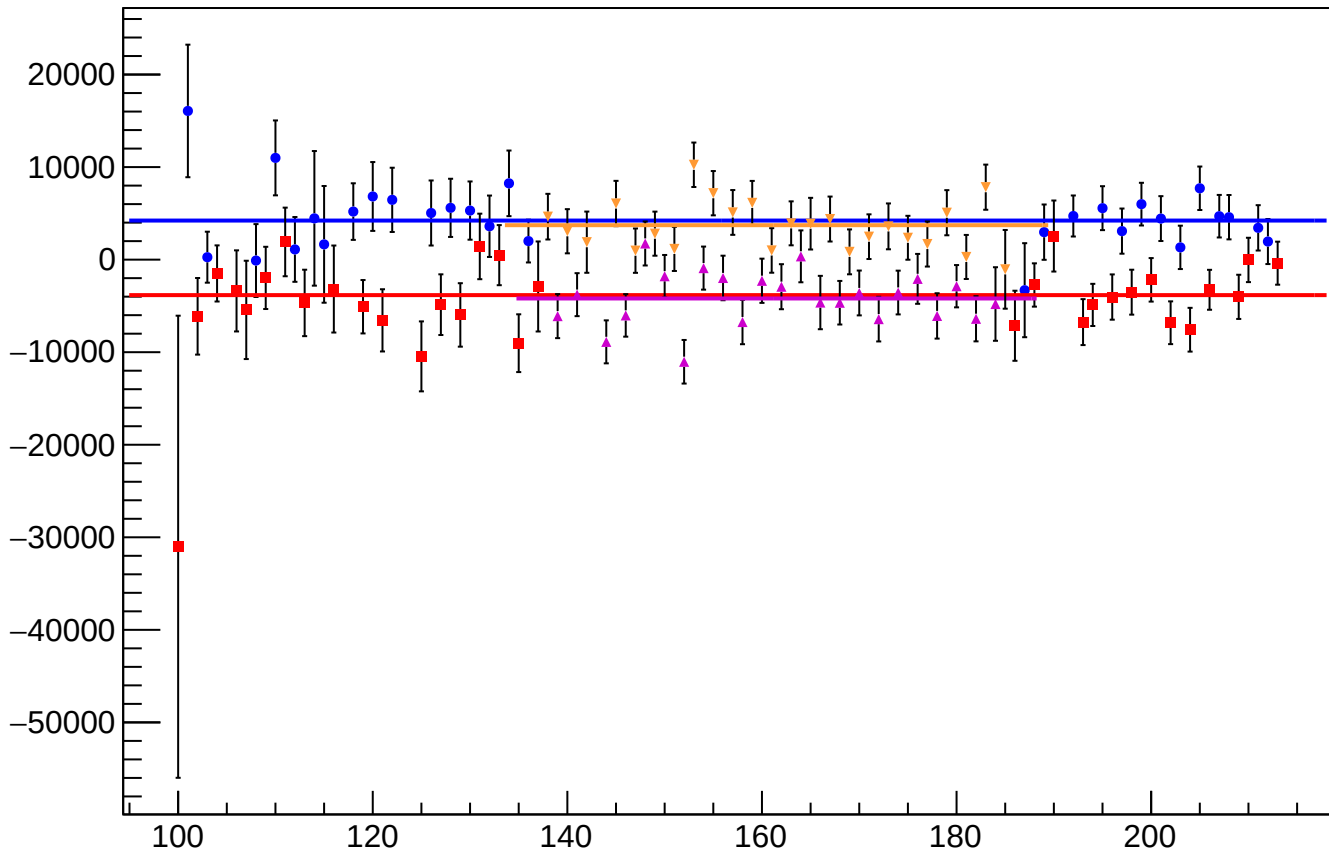
Left In: 1909.618+/-0.326 χ^2/NDF : 1942286.8/22

+ sign 1346.847+/-0.187 χ^2/NDF : 17764034.9/52

All: 1393.986+/-0.136 χ^2/NDF : 36365812.1/100

- sign 1446.574+/-0.198 χ^2/NDF : 18467552.2/54

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4222.876 ± 540.251 χ^2/NDF : 21.7/28

Left Out: 3723.433 ± 507.155 χ^2/NDF : 25.4/23

Right Out: -3833.240 ± 525.146 χ^2/NDF : 31.0/31

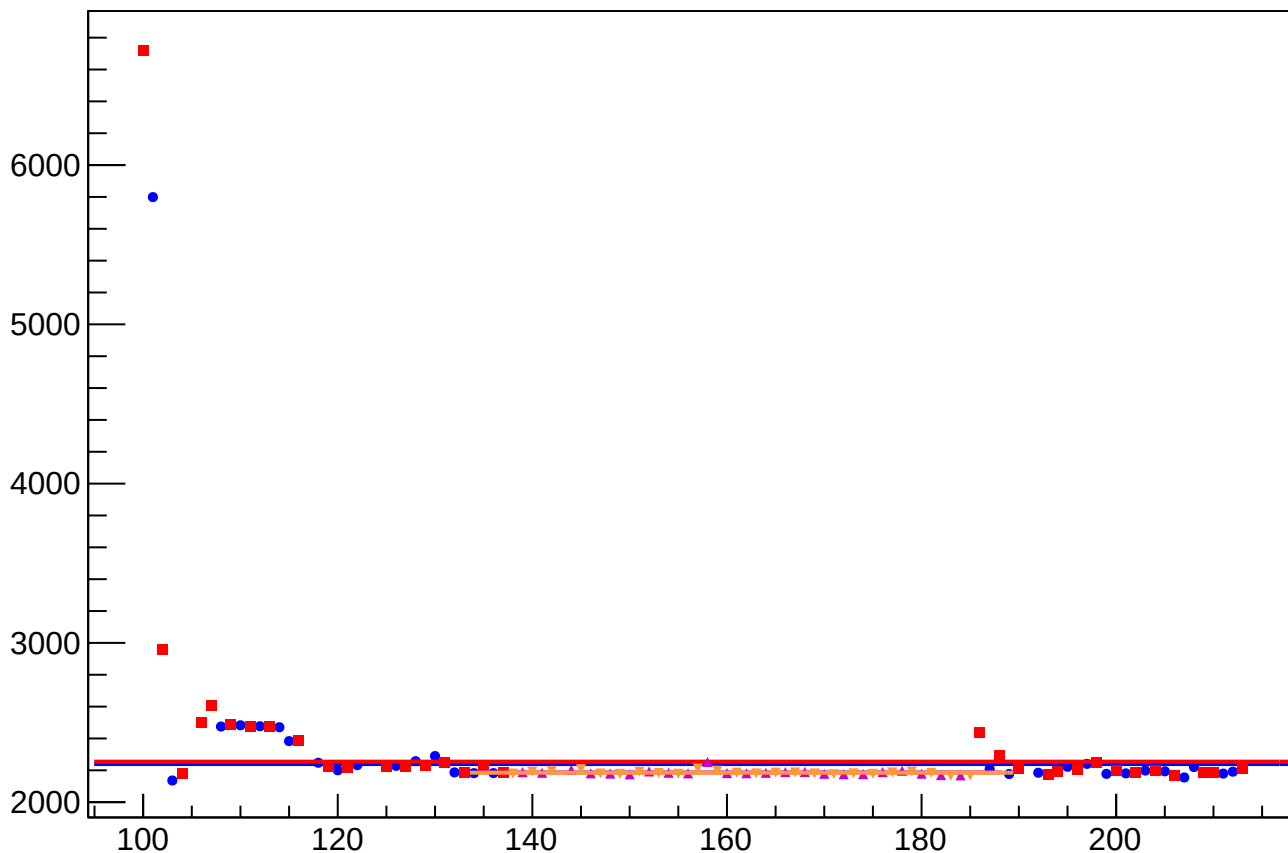
Left In: -4196.060 ± 510.578 χ^2/NDF : 32.1/22

+ sign 3957.389 ± 369.760 χ^2/NDF : 47.6/52

All: -71.126 ± 260.147 χ^2/NDF : 346.0/107

- sign -4019.752 ± 366.075 χ^2/NDF : 63.3/54

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2239.328+/-0.382 χ^2/NDF : 537704.1/28

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2254.392+/-0.371 χ^2/NDF : 187526.4/31

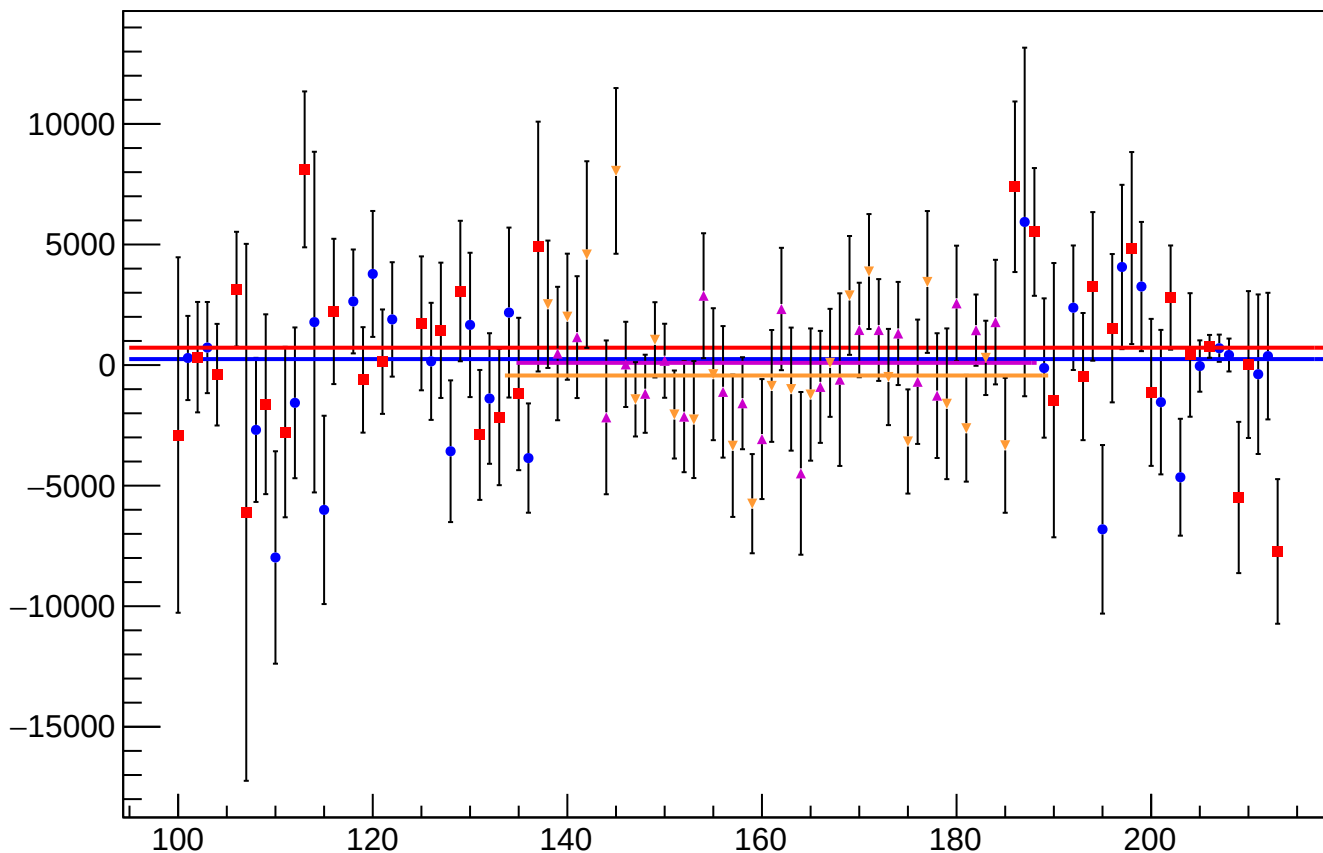
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2210.520+/-0.261 χ^2/NDF : 549217.7/52

All: 2215.114+/-0.184 χ^2/NDF : 756479.6/107

- sign 2219.618+/-0.259 χ^2/NDF : 206650.5/54

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: 248.078 $\pm$ 322.764 χ^2 /NDF: 30.0/28

Left Out: -432.320 $\pm$ 462.383 χ^2 /NDF:31.3/23

Right Out: 720.396 $\pm$ 351.693 χ^2 /NDF: 36.2/31

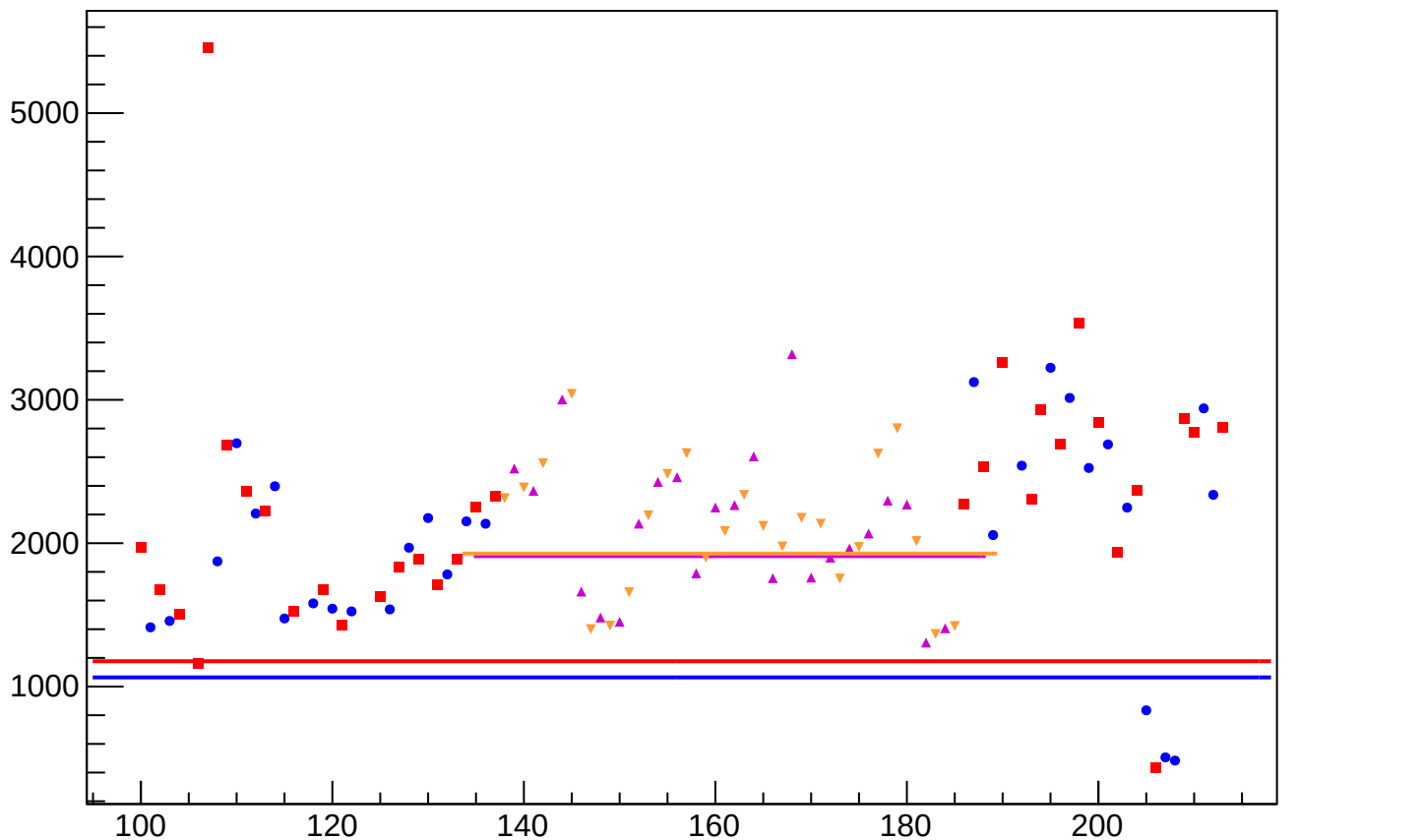
Left In: 92.604 $\pm$ 460.670 χ^2 /NDF:12.8/22

+ sign 25.163 $\pm$ 264.661 χ^2 /NDF: 62.8/52

All: 244.517 $\pm$ 192.189 χ^2 /NDF: 114.4/107

- sign 489.229 $\pm$ 279.541 χ^2 /NDF: 50.2/54

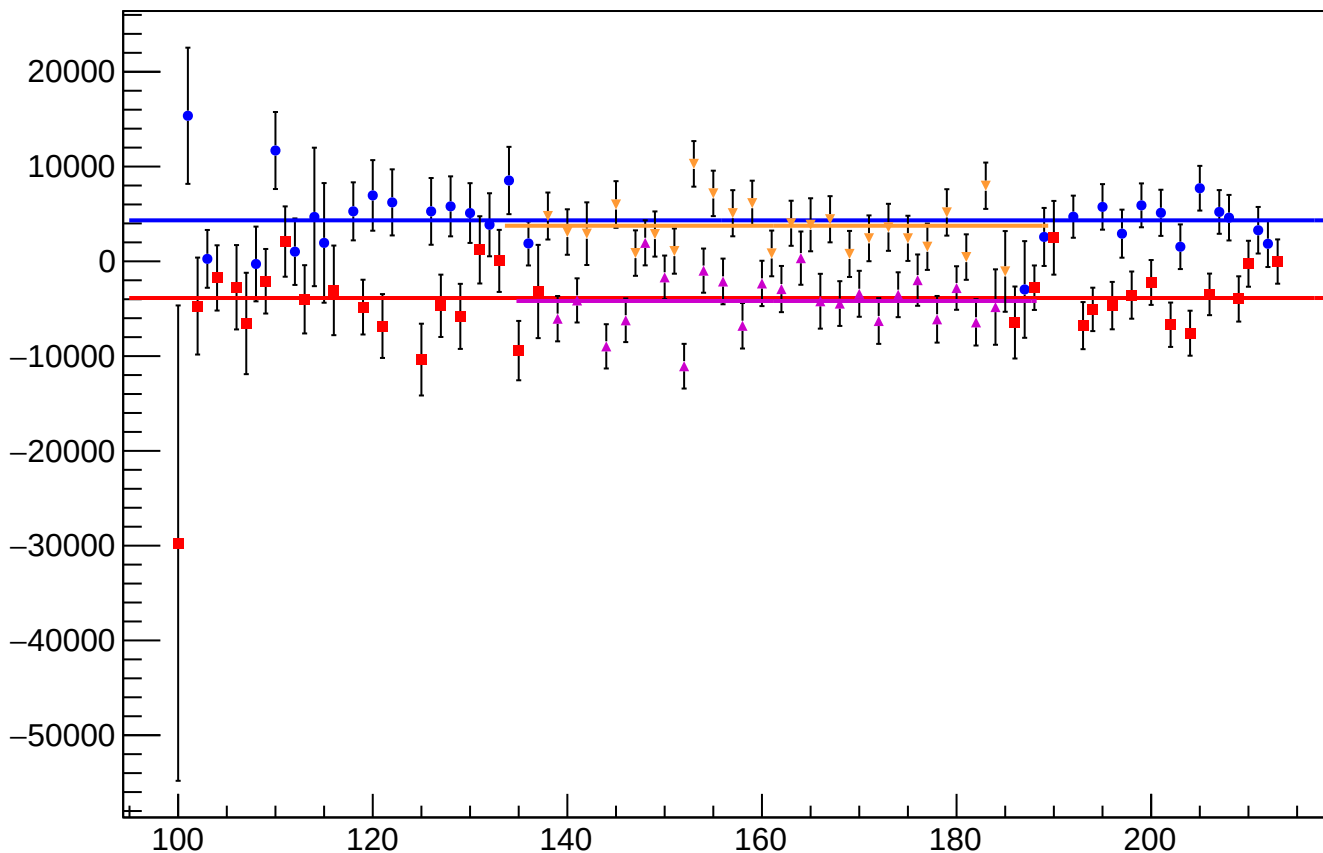
asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1063.838 $\pm$ 0.228 χ^2 /NDF: 11272249.4/28
 Left Out: 1927.659 $\pm$ 0.327 χ^2 /NDF: 1798407.2/23
 Right Out: 1176.694 $\pm$ 0.249 χ^2 /NDF: 13326878.5/31
 Left In: 1909.618 $\pm$ 0.326 χ^2 /NDF: 1942286.8/22

+ sign 1346.847 $\pm$ 0.187 χ^2 /NDF: 17764034.9/52
 All: 1393.986 $\pm$ 0.136 χ^2 /NDF: 36365812.1/100
 - sign 1446.574 $\pm$ 0.198 χ^2 /NDF: 18467552.2/54

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4324.642 $\pm$ 545.698 χ^2 /NDF: 22.0/28

Left Out: 3754.065 $\pm$ 508.568 χ^2 /NDF:25.7/23

Right Out: -3869.806 $\pm$ 532.476 χ^2 /NDF: 30.0/31

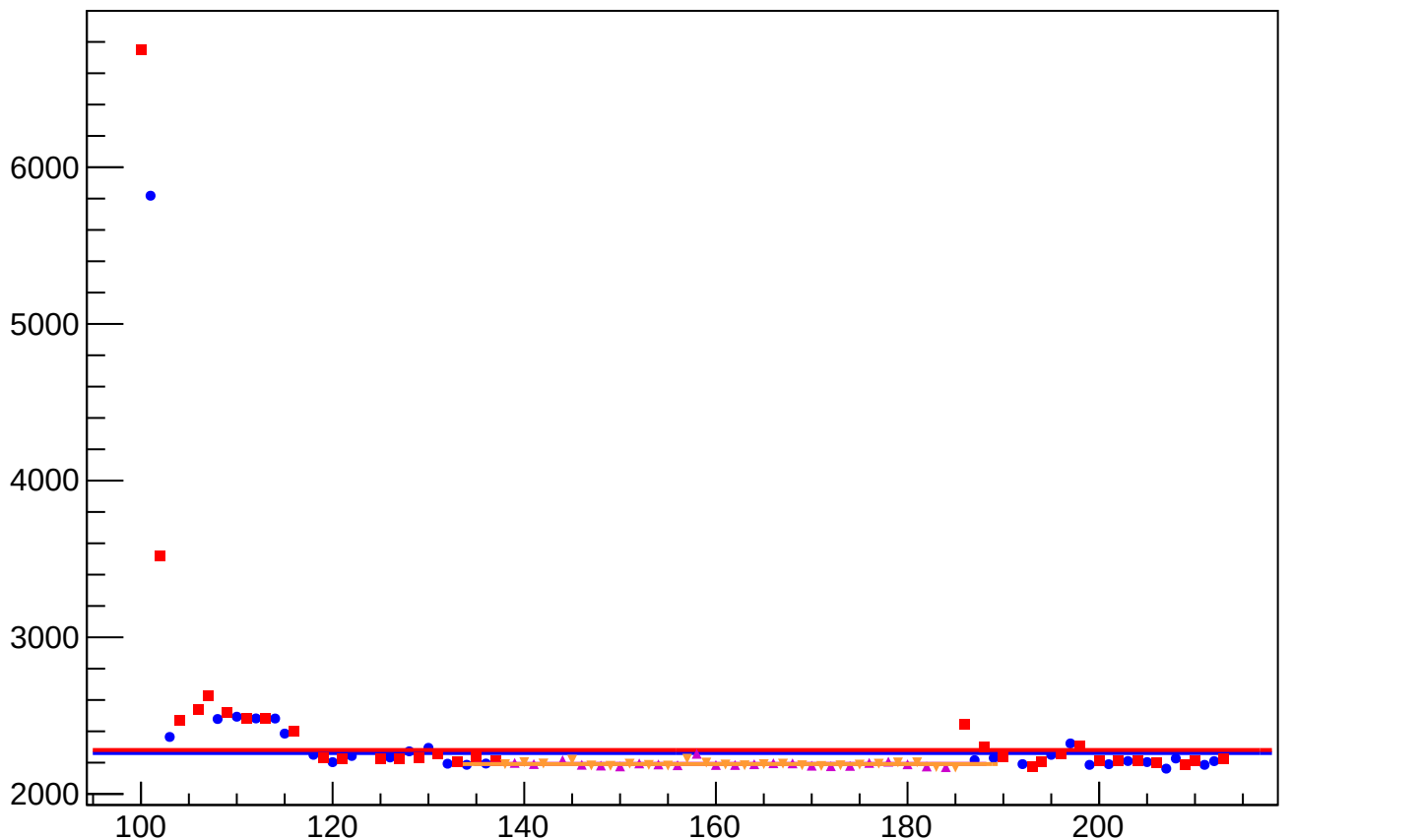
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF:32.7/22

+ sign 4019.283 $\pm$ 372.047 χ^2 /NDF: 48.3/52

All: -39.916 $\pm$ 261.998 χ^2 /NDF: 347.2/107

- sign -4033.213 $\pm$ 369.014 χ^2 /NDF: 62.8/54

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2261.521+/-0.386 χ^2/NDF : 536290.5/28

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2280.712+/-0.377 χ^2/NDF : 253877.3/31

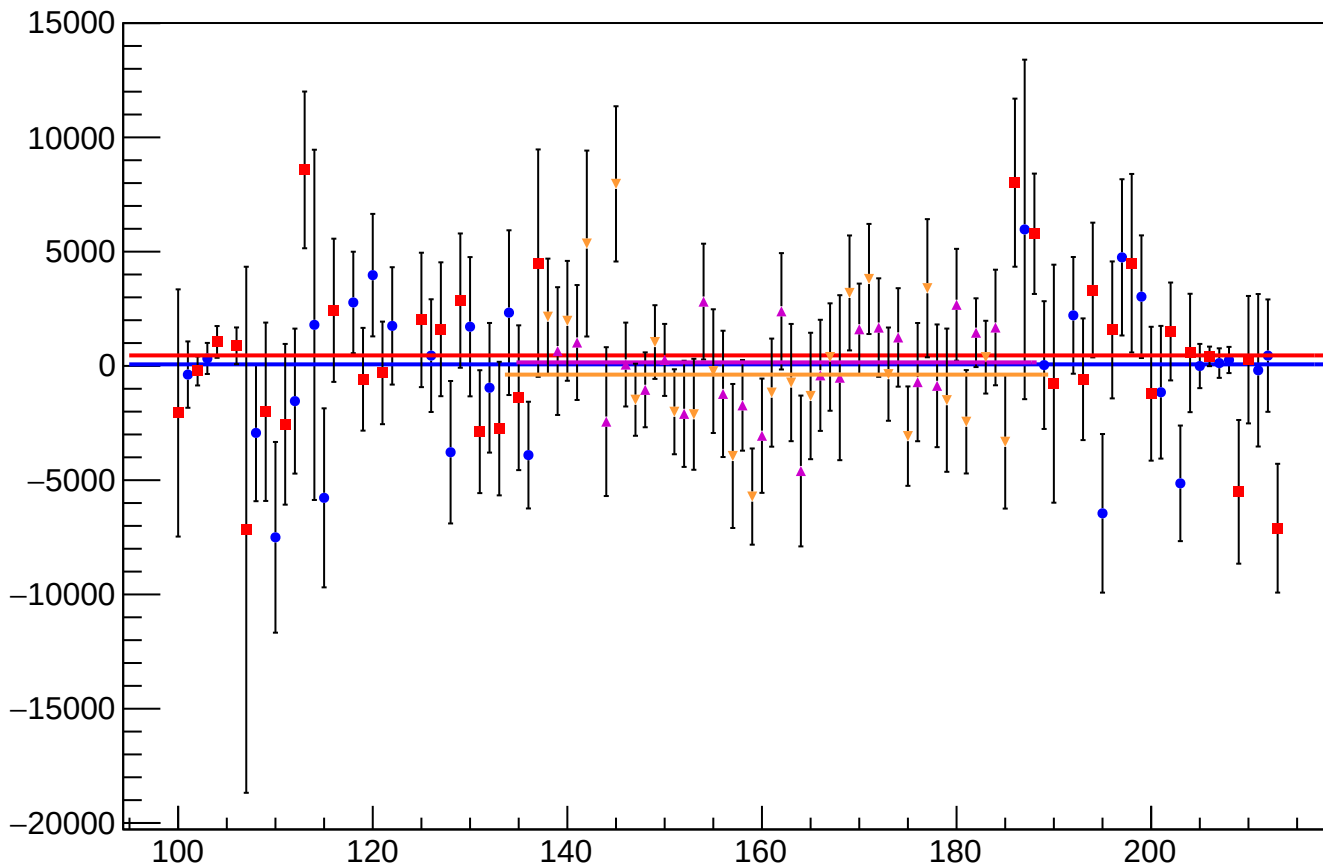
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2223.858+/-0.263 χ^2/NDF : 555320.7/52

All: 2229.329+/-0.185 χ^2/NDF : 841059.0/107

- sign 2234.710+/-0.261 χ^2/NDF : 284880.5/54

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: 67.986 ± 290.026 $\chi^2/\text{NDF}: 28.9/28$

Left Out: -380.488 ± 471.481 $\chi^2/\text{NDF}: 30.8/23$

Right Out: 459.781 ± 261.657 $\chi^2/\text{NDF}: 37.1/31$

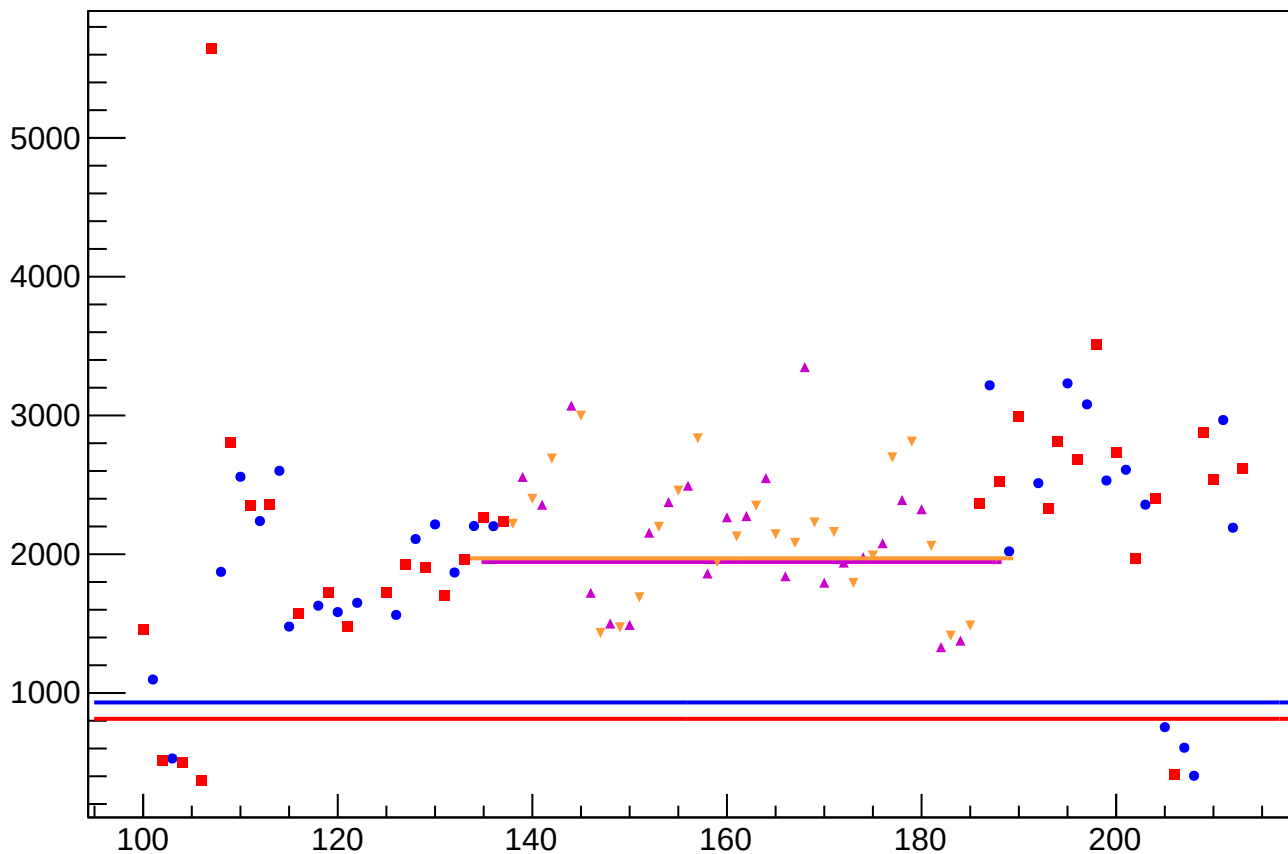
Left In: 154.512 ± 467.999 $\chi^2/\text{NDF}: 12.8/22$

+ sign -55.128 ± 247.030 $\chi^2/\text{NDF}: 60.3/52$

All: 183.293 ± 167.697 $\chi^2/\text{NDF}: 112.3/107$

- sign 387.082 ± 228.385 $\chi^2/\text{NDF}: 50.3/54$

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 932.074+/-0.205 χ^2/NDF : 12494583.6/28

Left Out: 1970.655+/-0.333 χ^2/NDF : 1696659.6/23

Right Out: 813.984+/-0.185 χ^2/NDF : 16901708.8/31

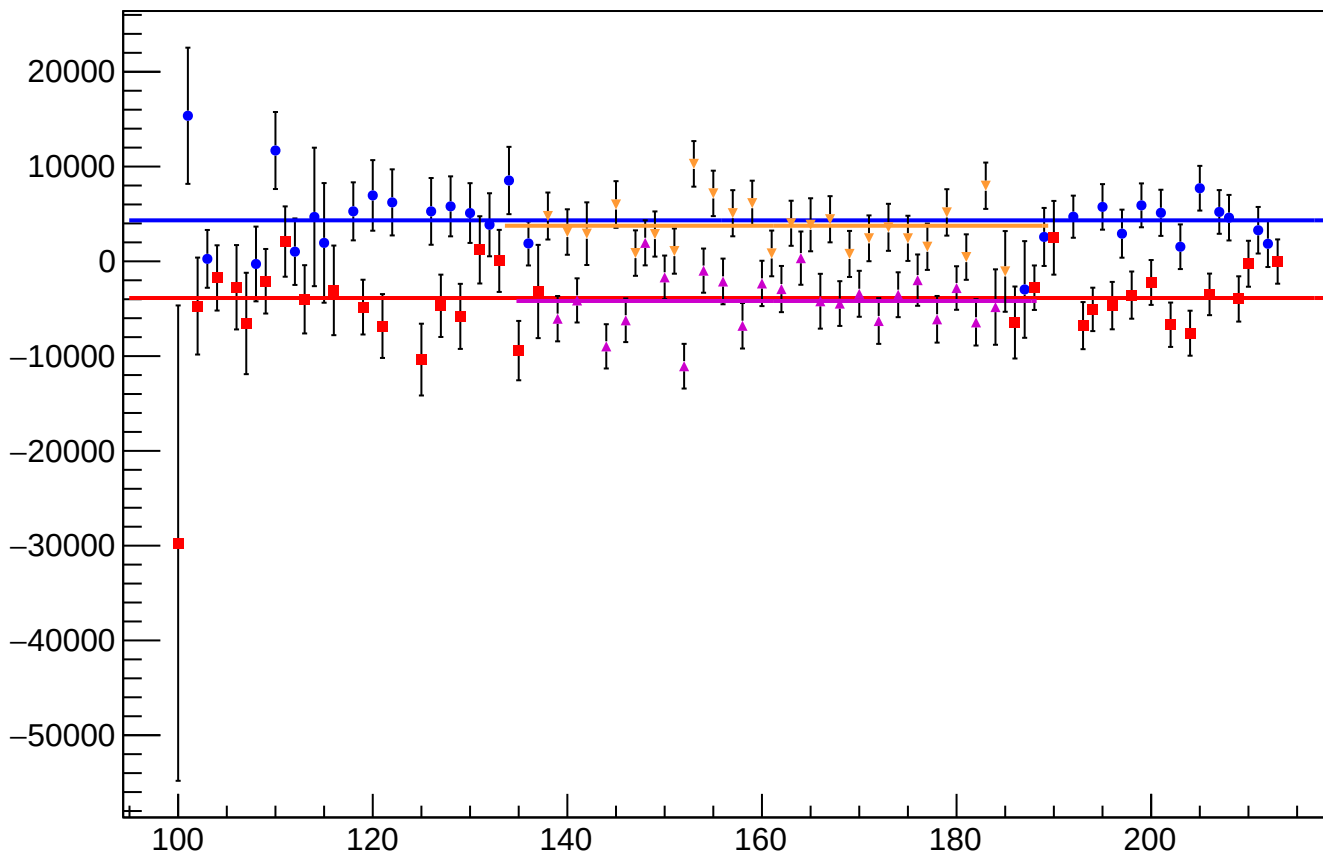
Left In: 1943.628+/-0.331 χ^2/NDF : 1882933.7/22

+ sign 1217.184+/-0.175 χ^2/NDF : 21231831.4/52

All: 1144.840+/-0.119 χ^2/NDF : 49212174.8/100

- sign 1083.005+/-0.161 χ^2/NDF : 27662205.3/54

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4324.640 $\pm$ 545.698 χ^2/NDF : 22.0/28

Left Out: 3754.064 $\pm$ 508.568 χ^2/NDF : 25.7/23

Right Out: -3869.803 $\pm$ 532.476 χ^2/NDF : 30.0/31

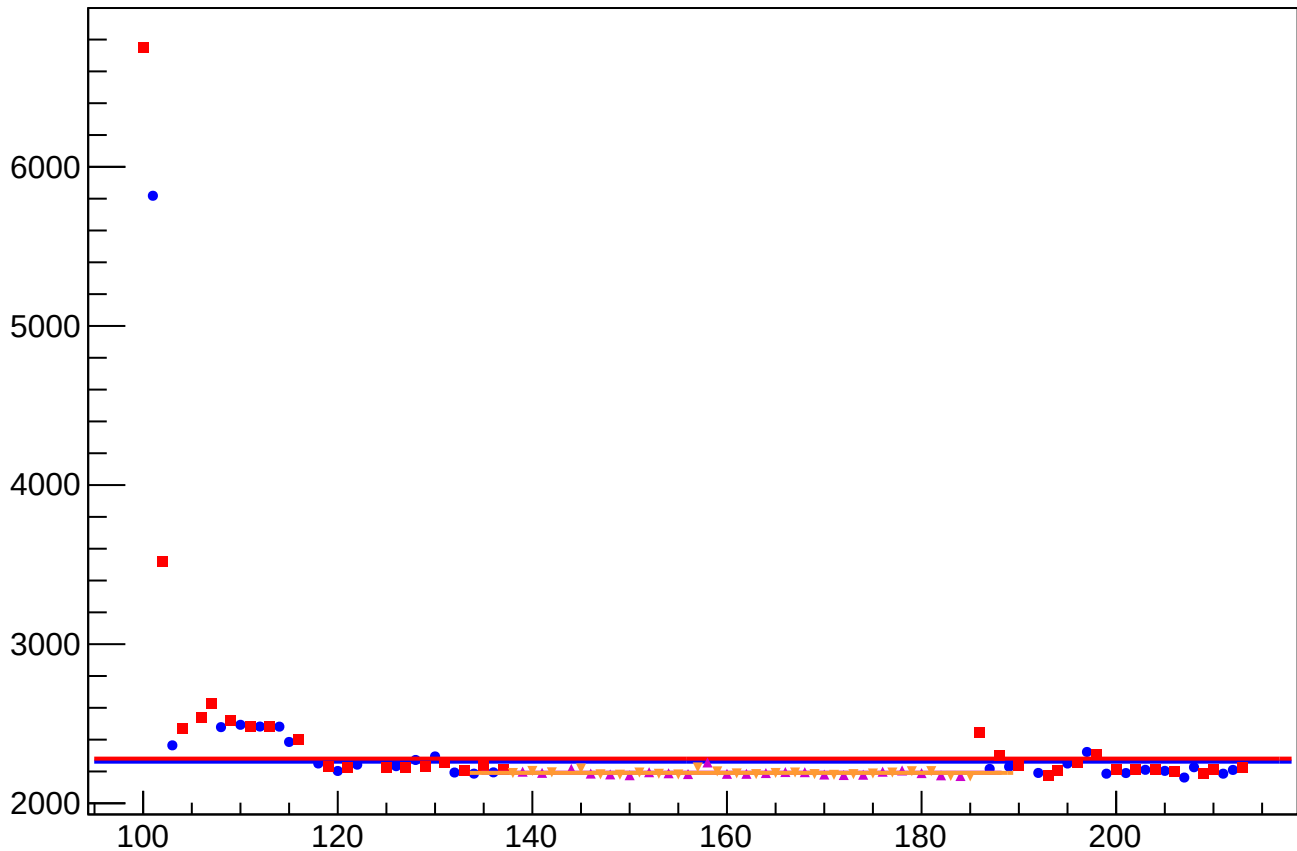
Left In: -4184.214 $\pm$ 511.864 χ^2/NDF : 32.7/22

+ sign 4019.282 $\pm$ 372.047 χ^2/NDF : 48.3/52

All: -39.917 $\pm$ 261.998 χ^2/NDF : 347.2/107

- sign -4033.212 $\pm$ 369.014 χ^2/NDF : 62.8/54

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2261.521+/-0.386 χ^2/NDF : 536290.4/28

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2280.712+/-0.377 χ^2/NDF : 253876.1/31

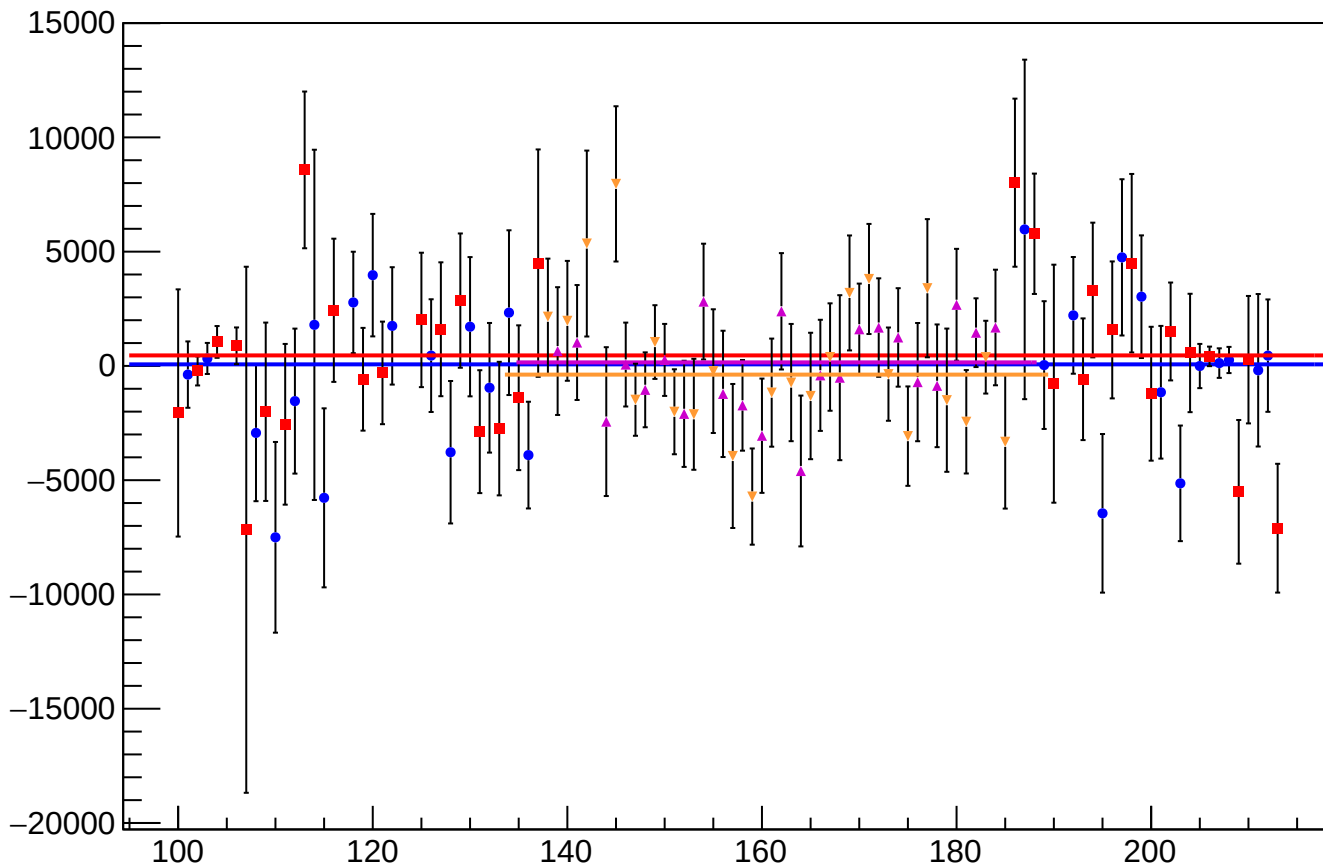
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2223.858+/-0.263 χ^2/NDF : 555320.5/52

All: 2229.329+/-0.185 χ^2/NDF : 841057.3/107

- sign 2234.710+/-0.261 χ^2/NDF : 284879.1/54

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: 67.983 $\pm$ 290.026 χ^2 /NDF: 28.9/28

Left Out: -380.492 $\pm$ 471.482 χ^2 /NDF:30.8/23

Right Out: 459.778 $\pm$ 261.658 χ^2 /NDF: 37.1/31

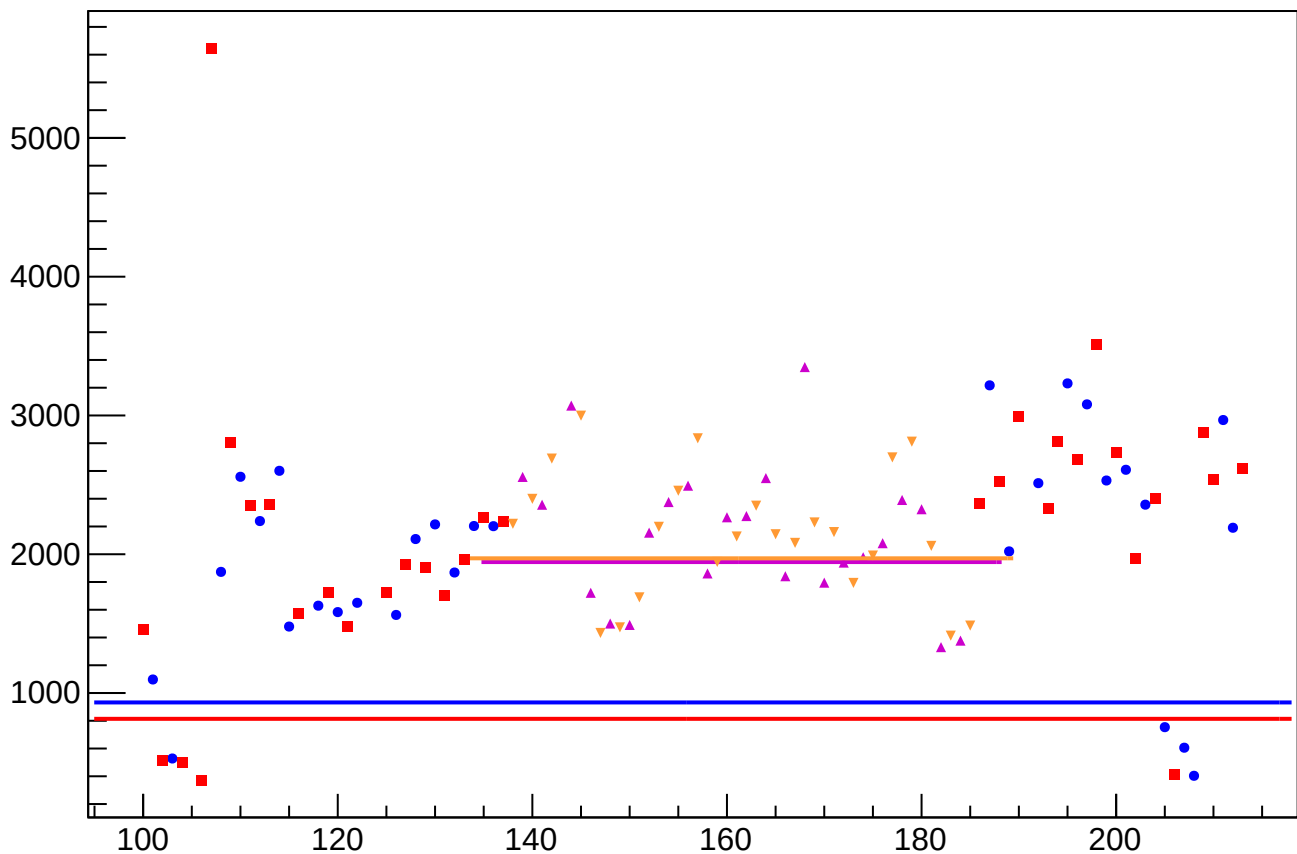
Left In: 154.512 $\pm$ 468.000 χ^2 /NDF:12.8/22

+ sign -55.132 $\pm$ 247.030 χ^2 /NDF: 60.3/52

All: 183.289 $\pm$ 167.698 χ^2 /NDF: 112.3/107

- sign 387.079 $\pm$ 228.386 χ^2 /NDF: 50.3/54

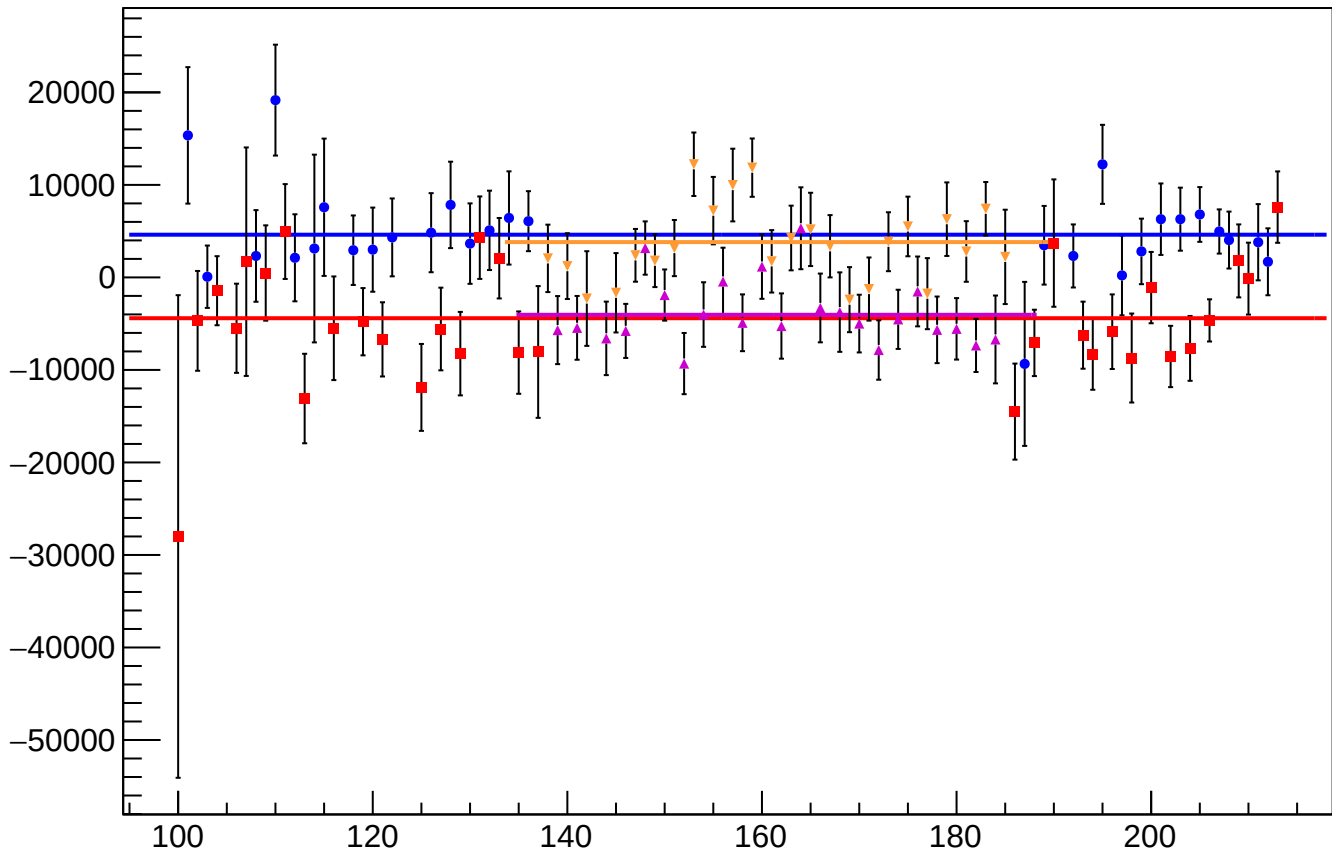
asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 932.074+/-0.205 χ^2/NDF : 12494602.3/28
 Left Out: 1970.659+/-0.333 χ^2/NDF : 1696658.8/23
 Right Out: 813.989+/-0.185 χ^2/NDF : 16901634.3/31
 Left In: 1943.631+/-0.331 χ^2/NDF : 1882931.8/22

+ sign 1217.184+/-0.175 χ^2/NDF : 21231880.0/52
 All: 1144.844+/-0.119 χ^2/NDF : 49212059.6/1
 - sign 1083.011+/-0.161 χ^2/NDF : 27662067.4/54

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4616.429 $\pm$ 747.023 χ^2 /NDF: 20.9/28

Left Out: 3817.837 $\pm$ 708.312 χ^2 /NDF:30.9/23

Right Out: -4410.589 $\pm$ 750.195 χ^2 /NDF: 44.4/31

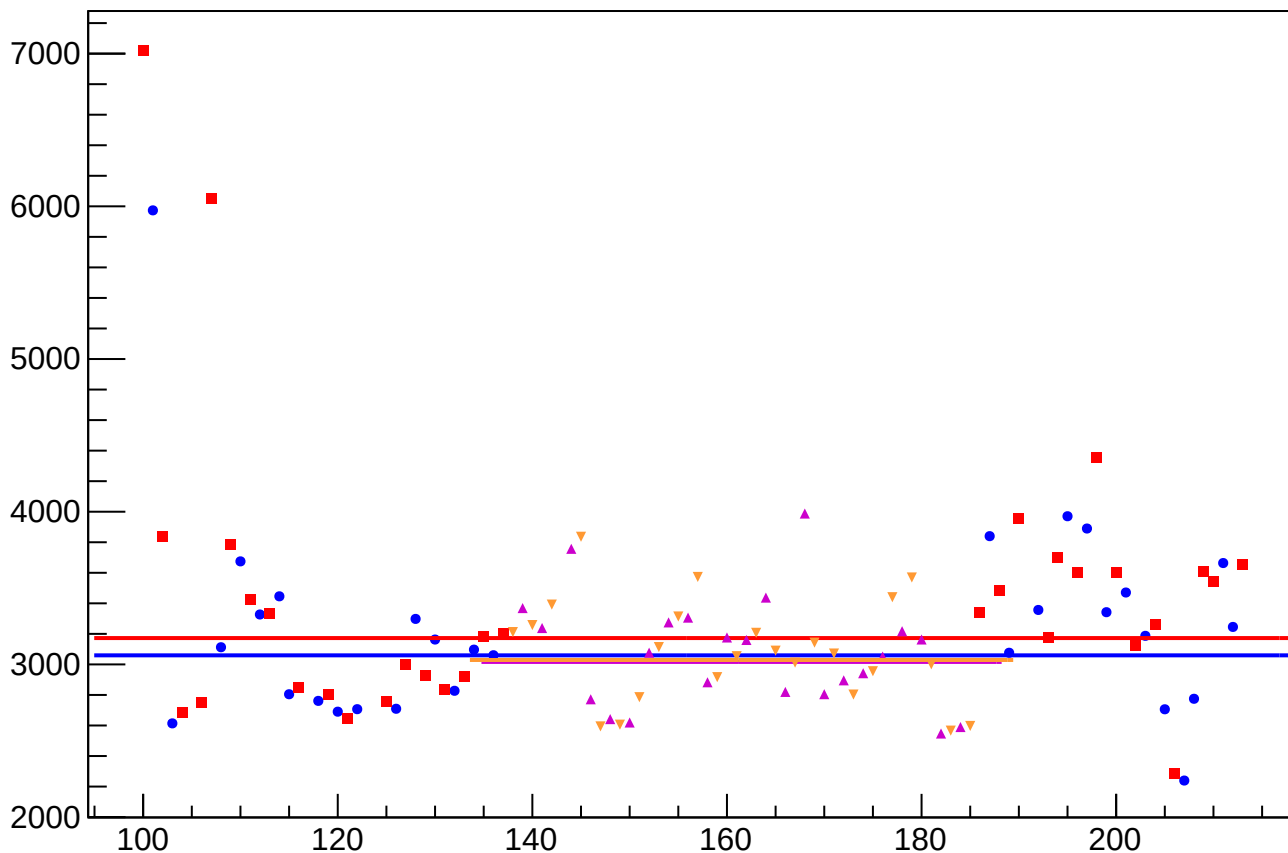
Left In: -4042.422 $\pm$ 709.573 χ^2 /NDF:22.5/22

+ sign 4195.906 $\pm$ 513.993 χ^2 /NDF: 52.4/52

All: 2.188 $\pm$ 363.982 χ^2 /NDF: 252.9/107

- sign -4216.268 $\pm$ 515.507 χ^2 /NDF: 67.0/54

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3059.388+/-0.528 χ^2/NDF : 1009334.1/28

Left Out: 3028.983+/-0.501 χ^2/NDF : 397111.2/23

Right Out: 3172.541+/-0.530 χ^2/NDF : 997502.2/31

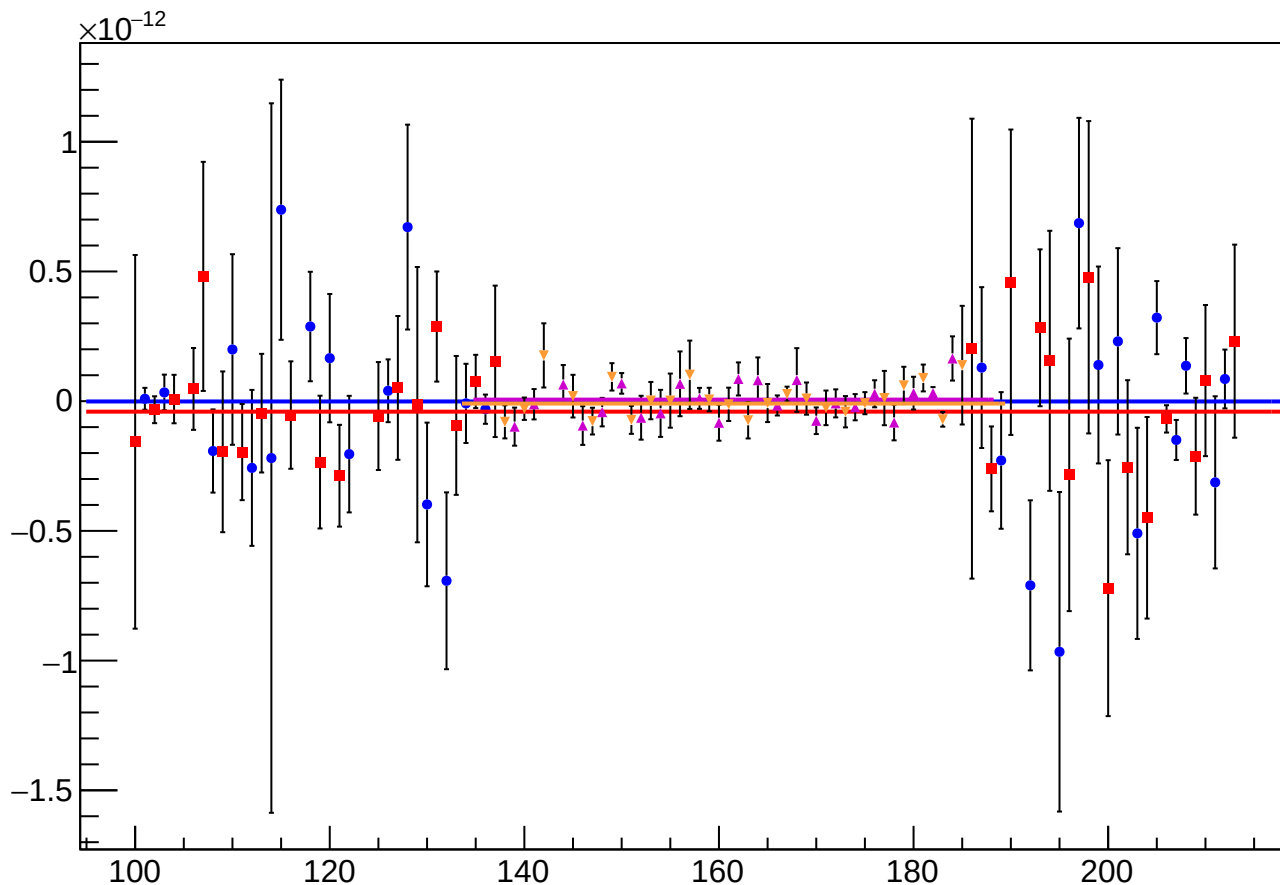
Left In: 3016.252+/-0.502 χ^2/NDF : 439897.8/22

+ sign 3043.378+/-0.363 χ^2/NDF : 1408189.9/52

All: 3066.646+/-0.257 χ^2/NDF : 2899627.1/10

- sign 3090.051+/-0.365 χ^2/NDF : 1483215.9/54

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 42.2/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 24.2/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 19.3/31

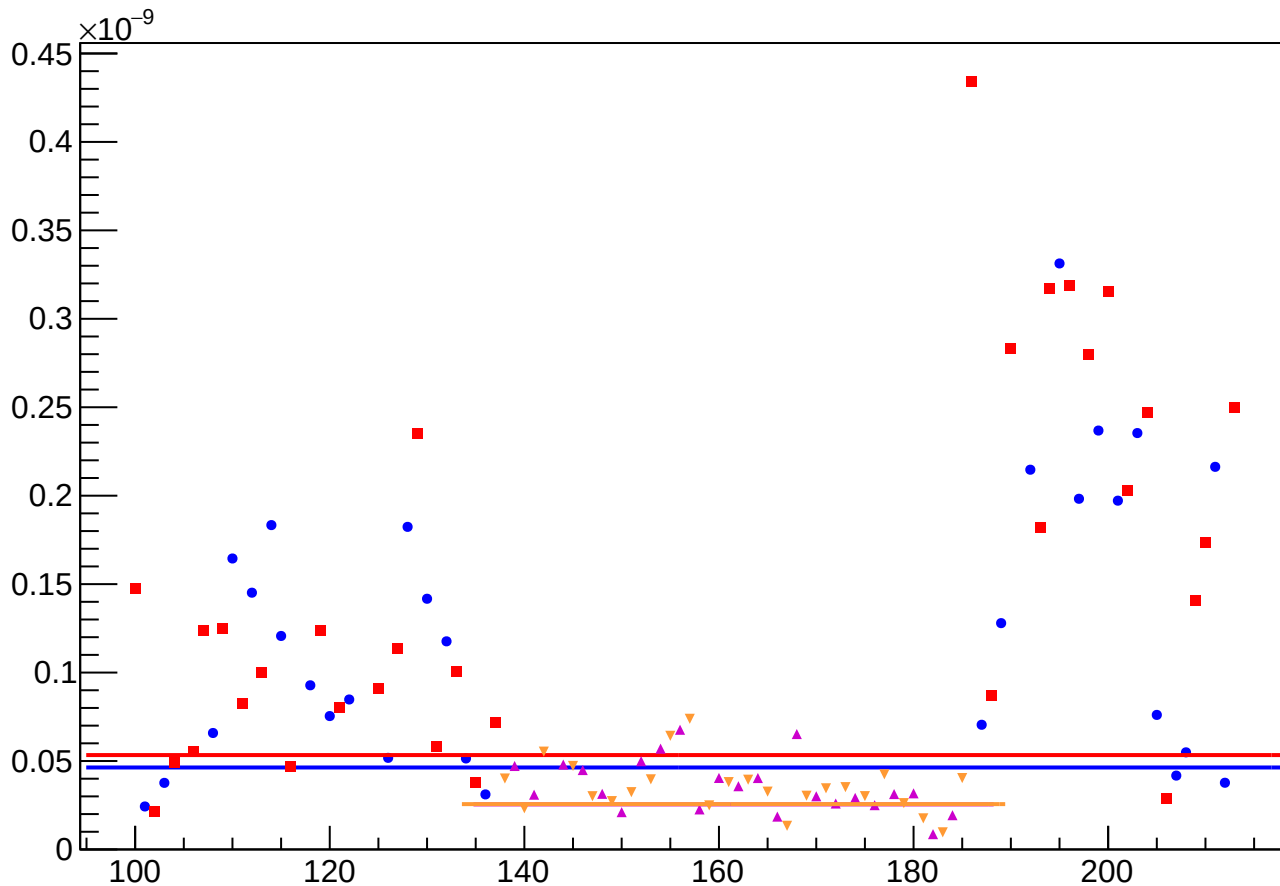
Left In: 0.000+/-0.000 χ^2 /NDF: 23.3/22

+ sign -0.000+/-0.000 χ^2 /NDF: 66.5/52

All: -0.000+/-0.000 χ^2 /NDF: 111.7/107

- sign -0.000+/-0.000 χ^2 /NDF: 45.0/54

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5313378.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7349761.6/31

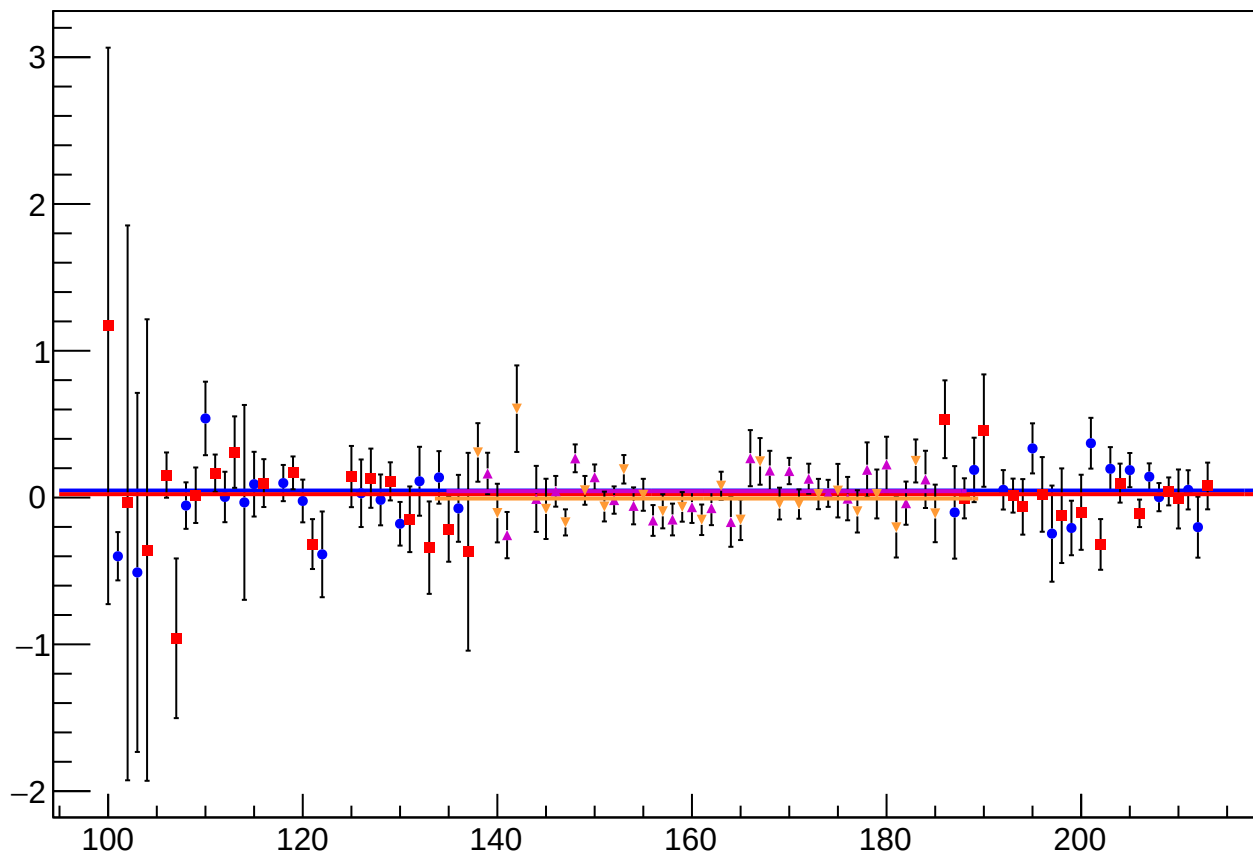
Left In: 0.000+/-0.000 χ^2/NDF : 2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 9017543.5/52

All: 0.000+/-0.000 χ^2/NDF : 20939897.5/107

- sign 0.000+/-0.000 χ^2/NDF : 11922352.1/54

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.031 χ^2 /NDF: 32.5/28

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.023 $\pm$ 0.031 χ^2 /NDF: 29.5/31

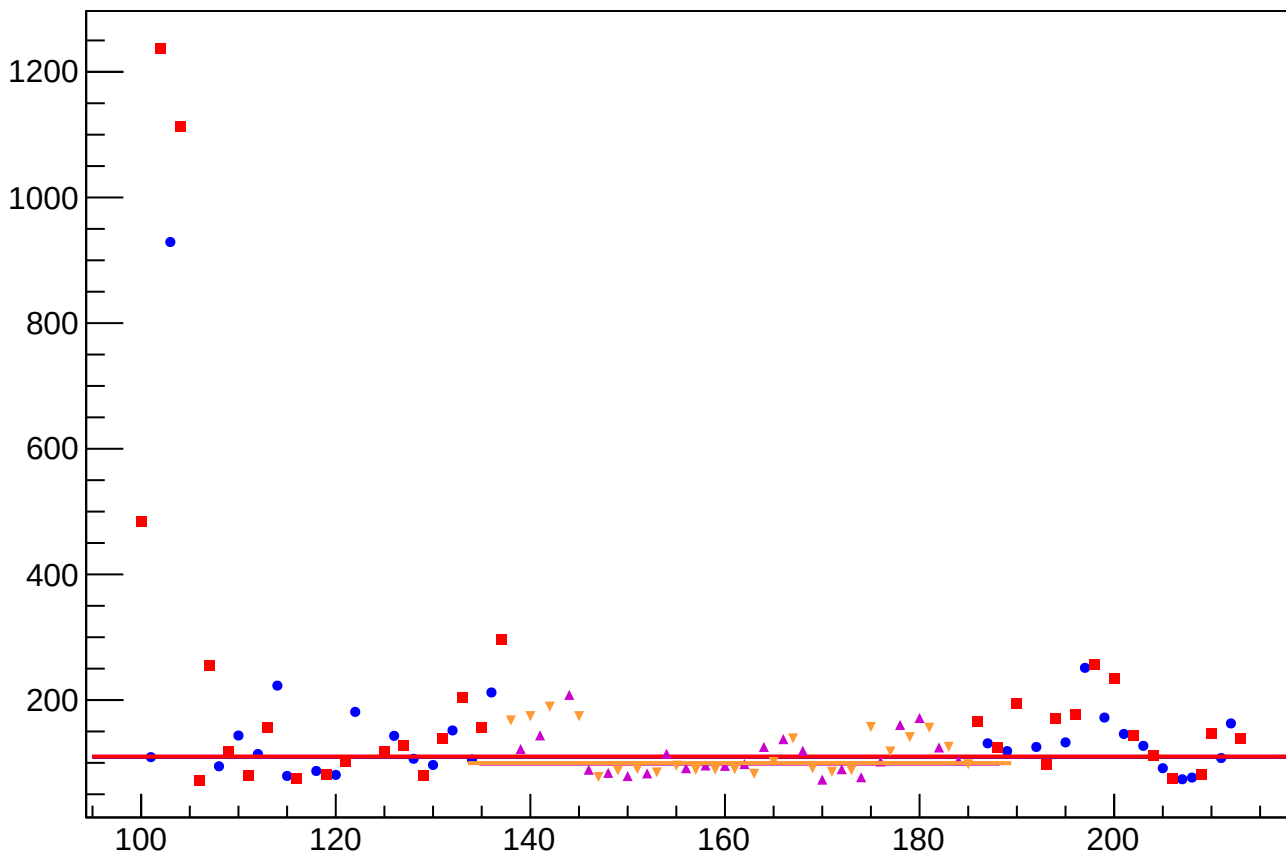
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.015 $\pm$ 0.020 χ^2 /NDF: 62.0/52

All: 0.025 $\pm$ 0.014 χ^2 /NDF: 122.6/107

- sign 0.035 $\pm$ 0.019 χ^2 /NDF: 60.0/54

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 109.527 $\pm$ 0.022 χ^2 /NDF: 3359675.2/28

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070986.6/23

Right Out: 110.012 $\pm$ 0.022 χ^2 /NDF: 4993526.7/31

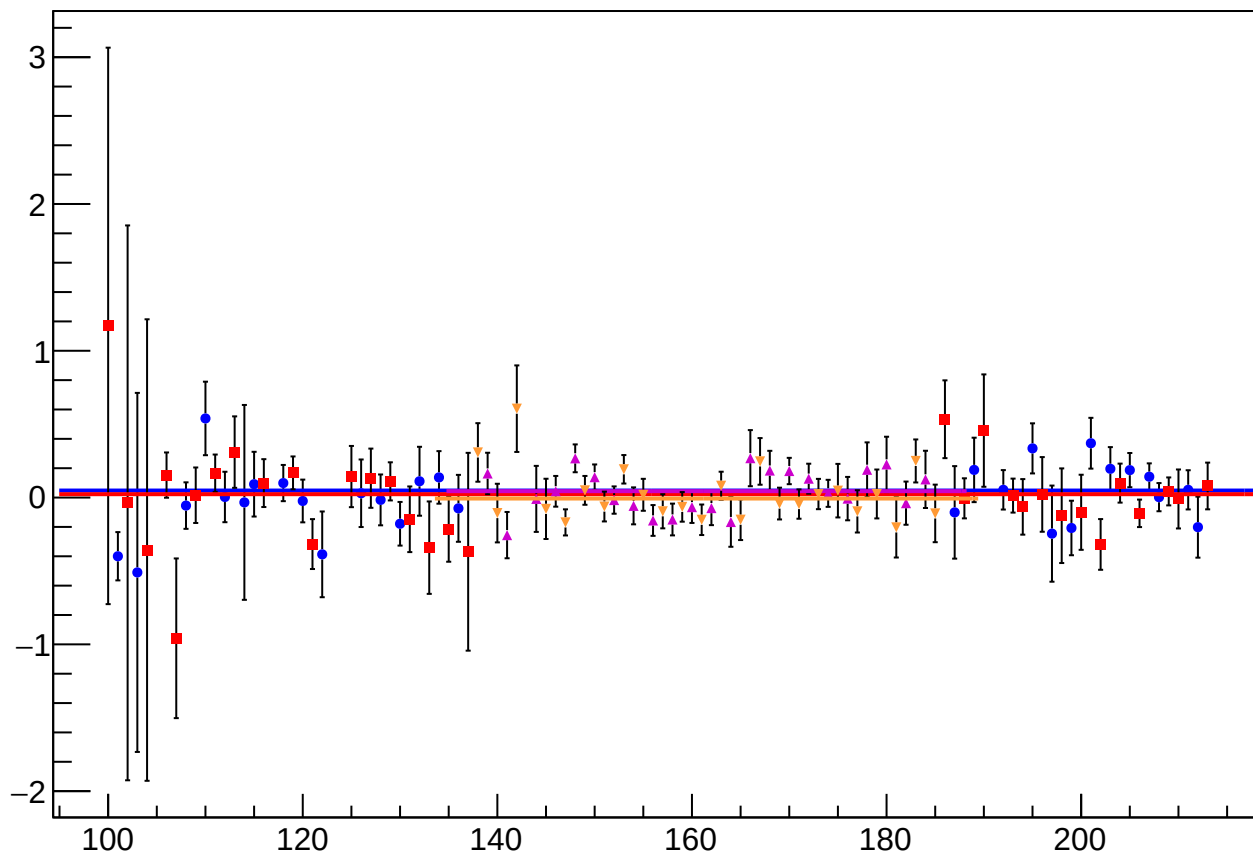
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003365.1/22

+ sign 103.613 $\pm$ 0.014 χ^2 /NDF: 5555384.6/52

All: 103.408 $\pm$ 0.010 χ^2 /NDF: 12716571.7/10

- sign 103.205 $\pm$ 0.014 χ^2 /NDF: 7160748.8/54

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 ± 0.031 χ^2/NDF : 32.5/28

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.023 ± 0.031 χ^2/NDF : 29.5/31

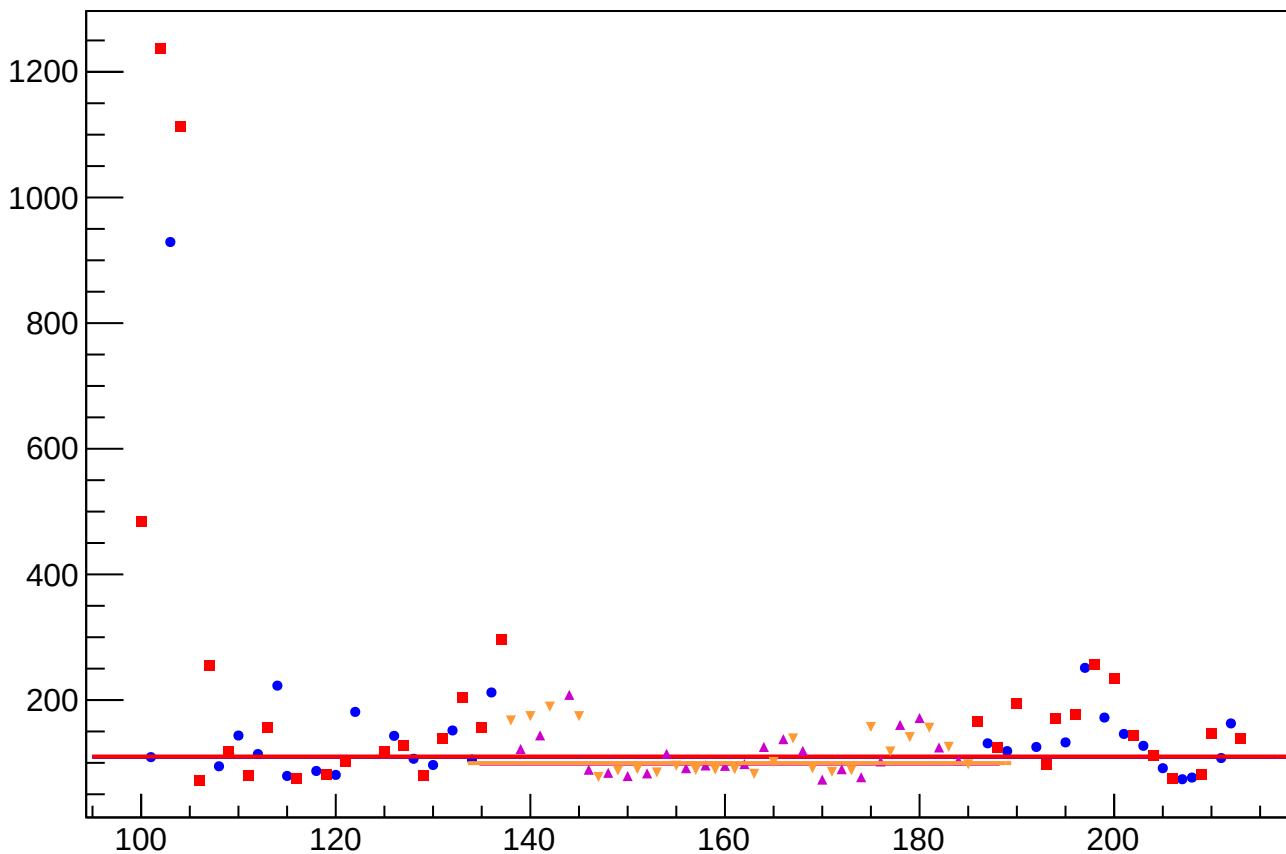
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign 0.015 ± 0.020 χ^2/NDF : 62.0/52

All: 0.025 ± 0.014 χ^2/NDF : 122.6/107

- sign 0.035 ± 0.019 χ^2/NDF : 60.0/54

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.527 $\pm$ 0.022 χ^2 /NDF: 3359675.2/28

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070986.6/23

Right Out: 110.012 $\pm$ 0.022 χ^2 /NDF: 4993526.7/31

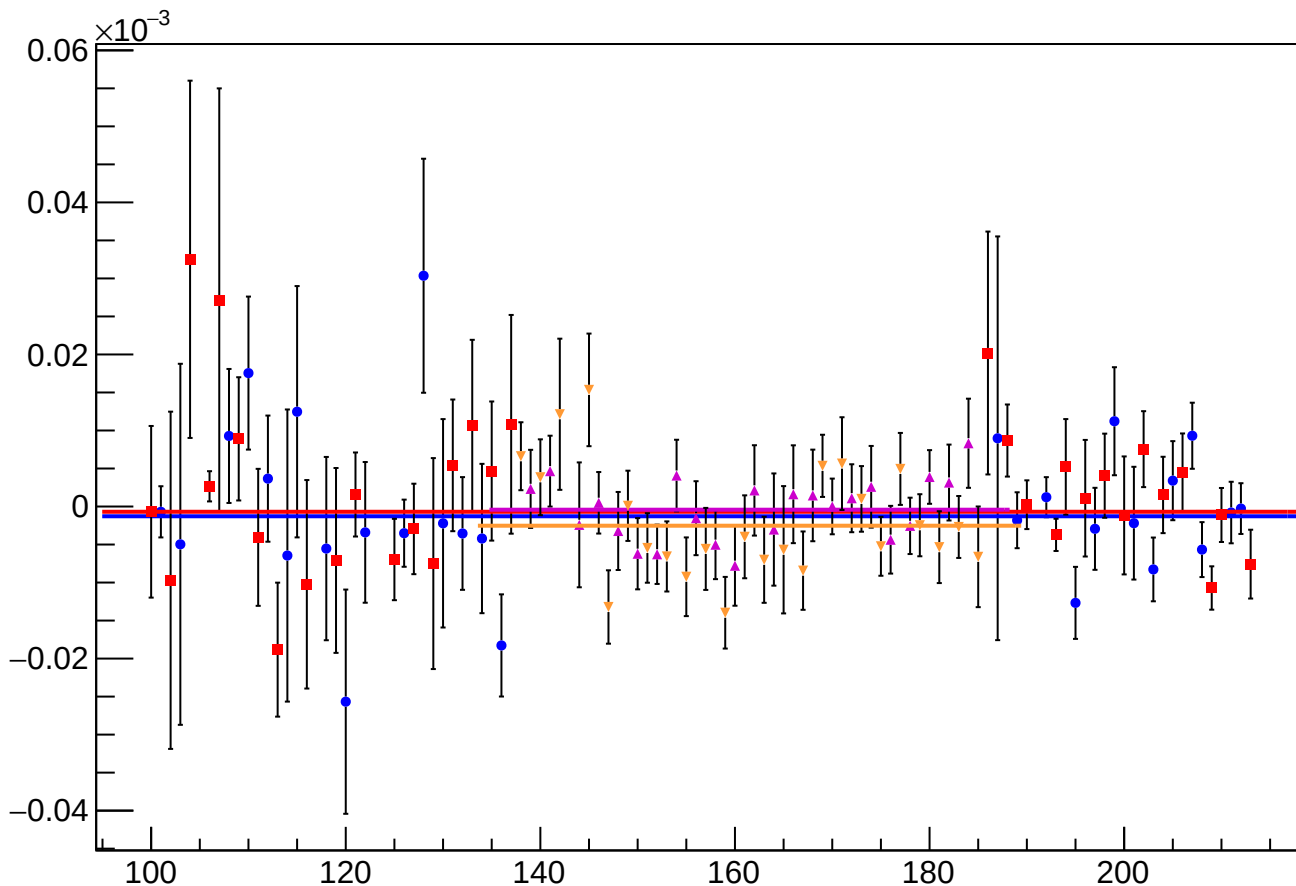
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003365.1/22

+ sign 103.613 $\pm$ 0.014 χ^2 /NDF: 5555384.6/52

All: 103.408 $\pm$ 0.010 χ^2 /NDF: 12716571.7/10

- sign 103.205 $\pm$ 0.014 χ^2 /NDF: 7160748.8/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 41.3/28

Left Out: -0.000+/-0.000 χ^2/NDF : 40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF : 45.0/31

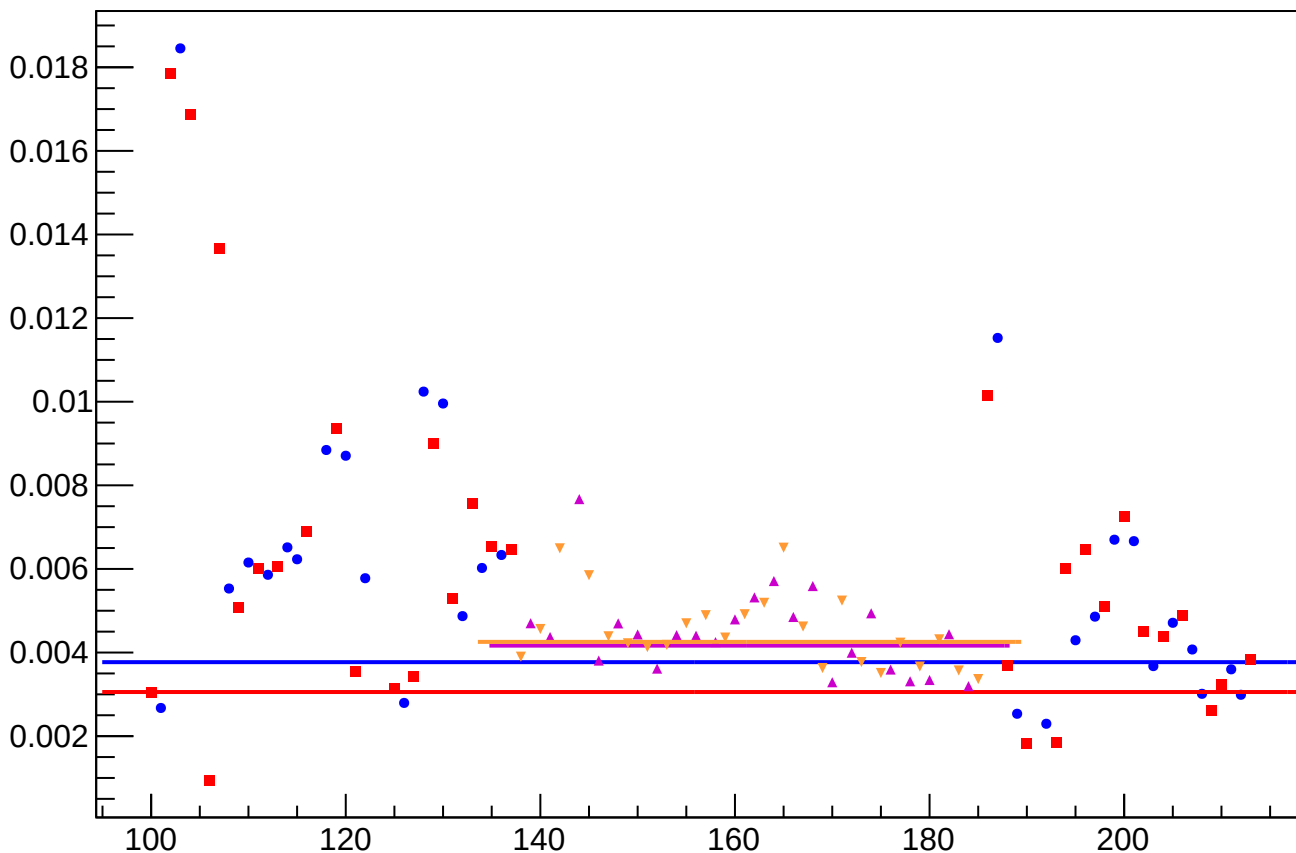
Left In: -0.000+/-0.000 χ^2/NDF : 15.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 82.2/52

All: -0.000+/-0.000 χ^2/NDF : 145.0/107

- sign -0.000+/-0.000 χ^2/NDF : 61.0/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5401700.0/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:833222.5/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10404246.8/31

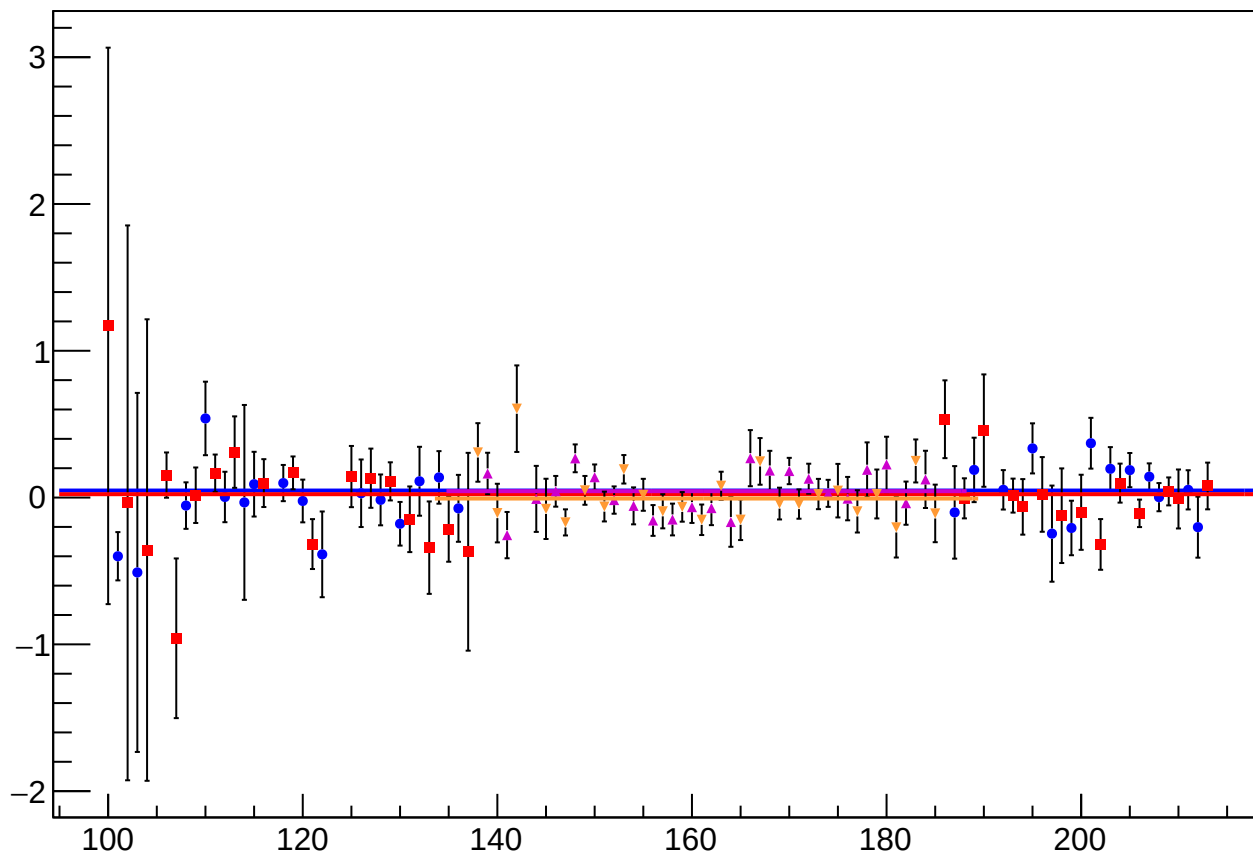
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1277434.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6464946.0/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 20005344.6/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 13077225.8/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.031 χ^2 /NDF: 32.5/28

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.023 $\pm$ 0.031 χ^2 /NDF: 29.5/31

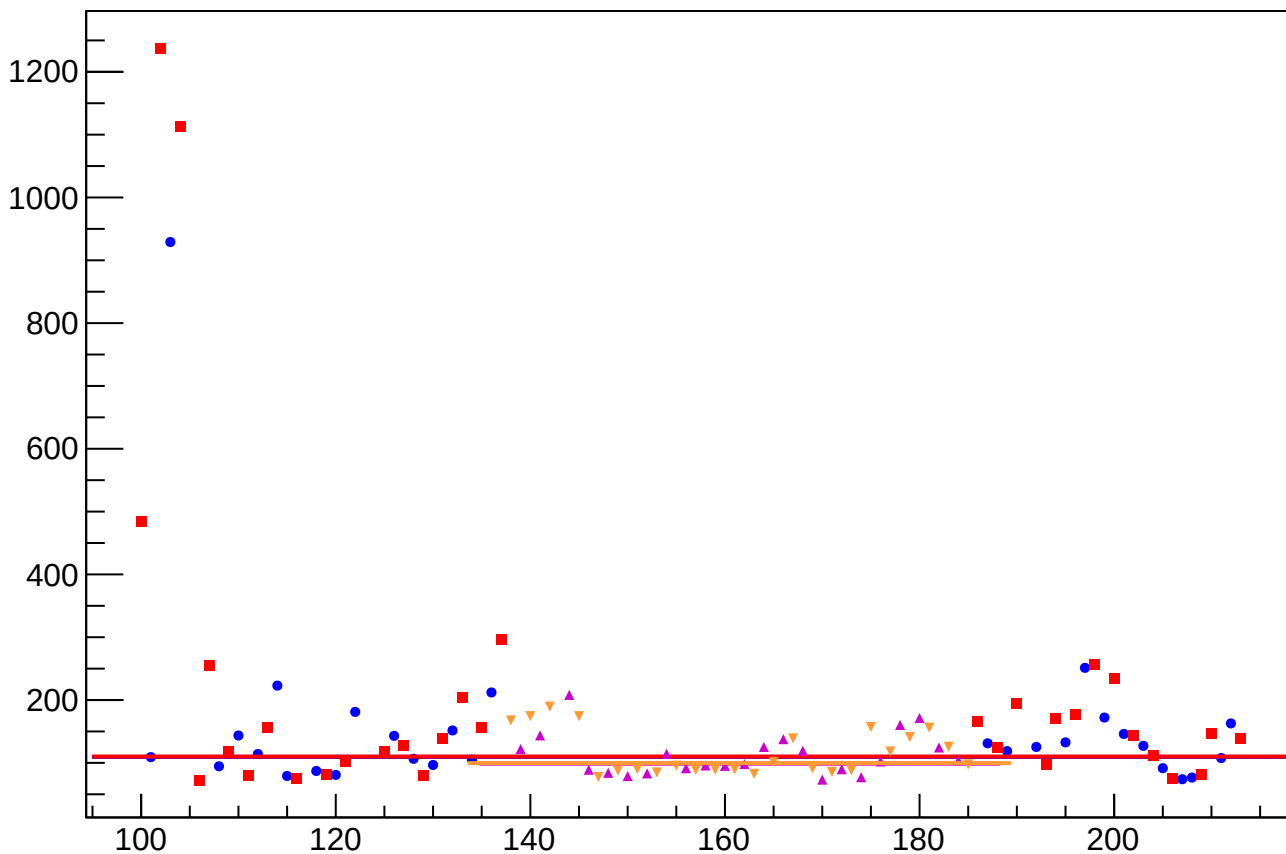
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.015 $\pm$ 0.020 χ^2 /NDF: 62.0/52

All: 0.025 $\pm$ 0.014 χ^2 /NDF: 122.6/107

- sign 0.035 $\pm$ 0.019 χ^2 /NDF: 60.0/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.527 $\pm$ 0.022 χ^2 /NDF: 3359600.0/28

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070951.9/23

Right Out: 110.012 $\pm$ 0.022 χ^2 /NDF: 4993500.8/31

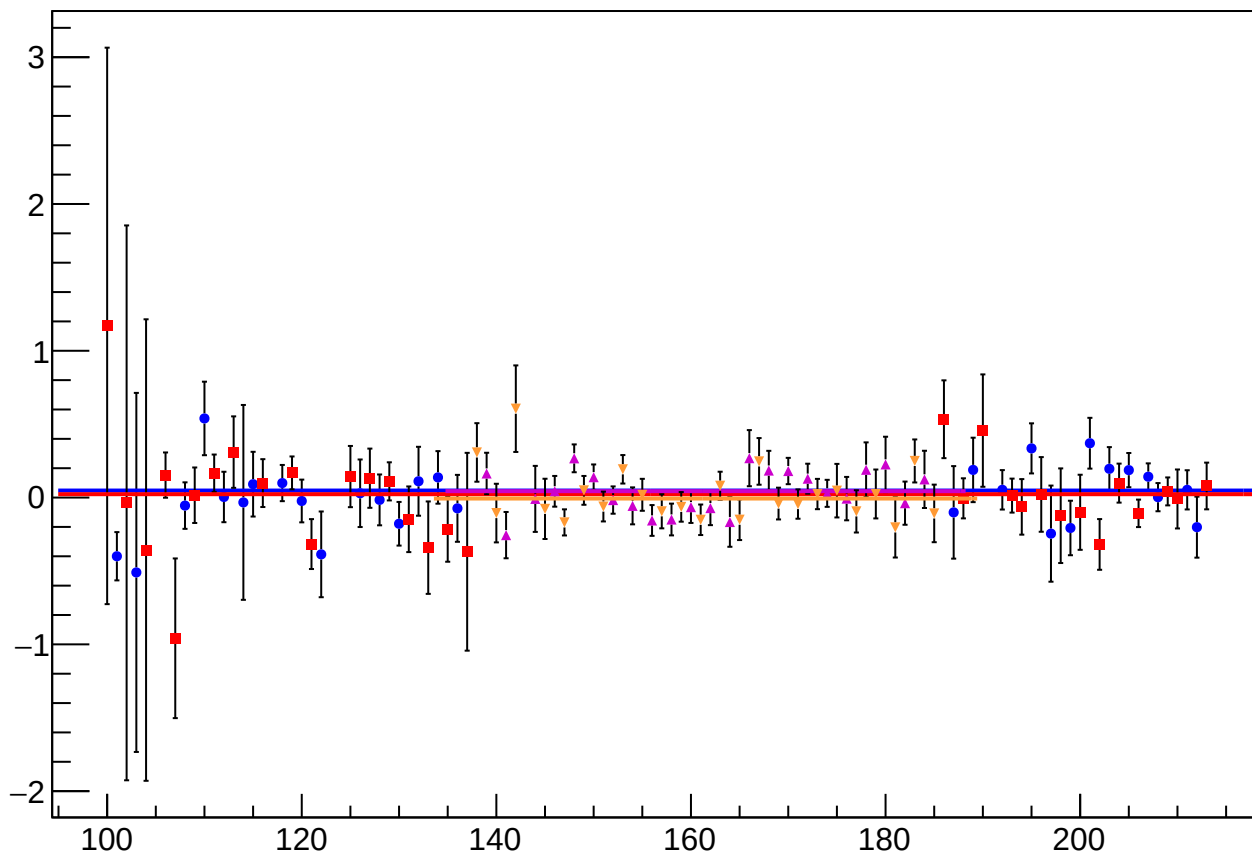
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003332.7/22

+ sign 103.613 $\pm$ 0.014 χ^2 /NDF: 5555255.5/52

All: 103.408 $\pm$ 0.010 χ^2 /NDF: 12716365.8/10

- sign 103.205 $\pm$ 0.014 χ^2 /NDF: 7160671.4/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.031 χ^2 /NDF: 32.5/28

Left Out: -0.007 $\pm$ 0.025 χ^2 /NDF:27.7/23

Right Out: 0.023 $\pm$ 0.031 χ^2 /NDF: 29.5/31

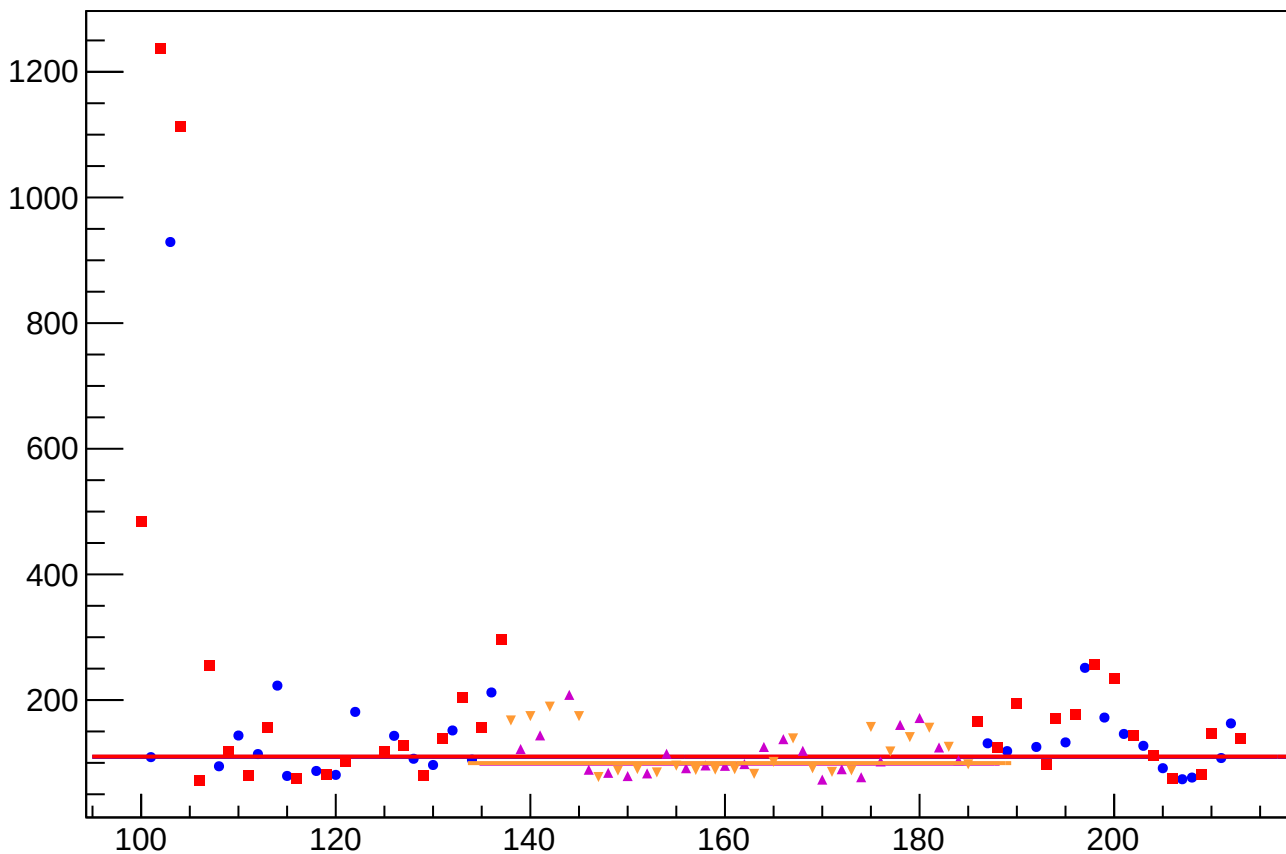
Left In: 0.044 $\pm$ 0.025 χ^2 /NDF:30.3/22

+ sign 0.015 $\pm$ 0.020 χ^2 /NDF: 62.0/52

All: 0.025 $\pm$ 0.014 χ^2 /NDF: 122.6/107

- sign 0.035 $\pm$ 0.019 χ^2 /NDF: 60.0/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.527 $\pm$ 0.022 χ^2 /NDF: 3359600.0/28

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070951.9/23

Right Out: 110.012 $\pm$ 0.022 χ^2 /NDF: 4993500.8/31

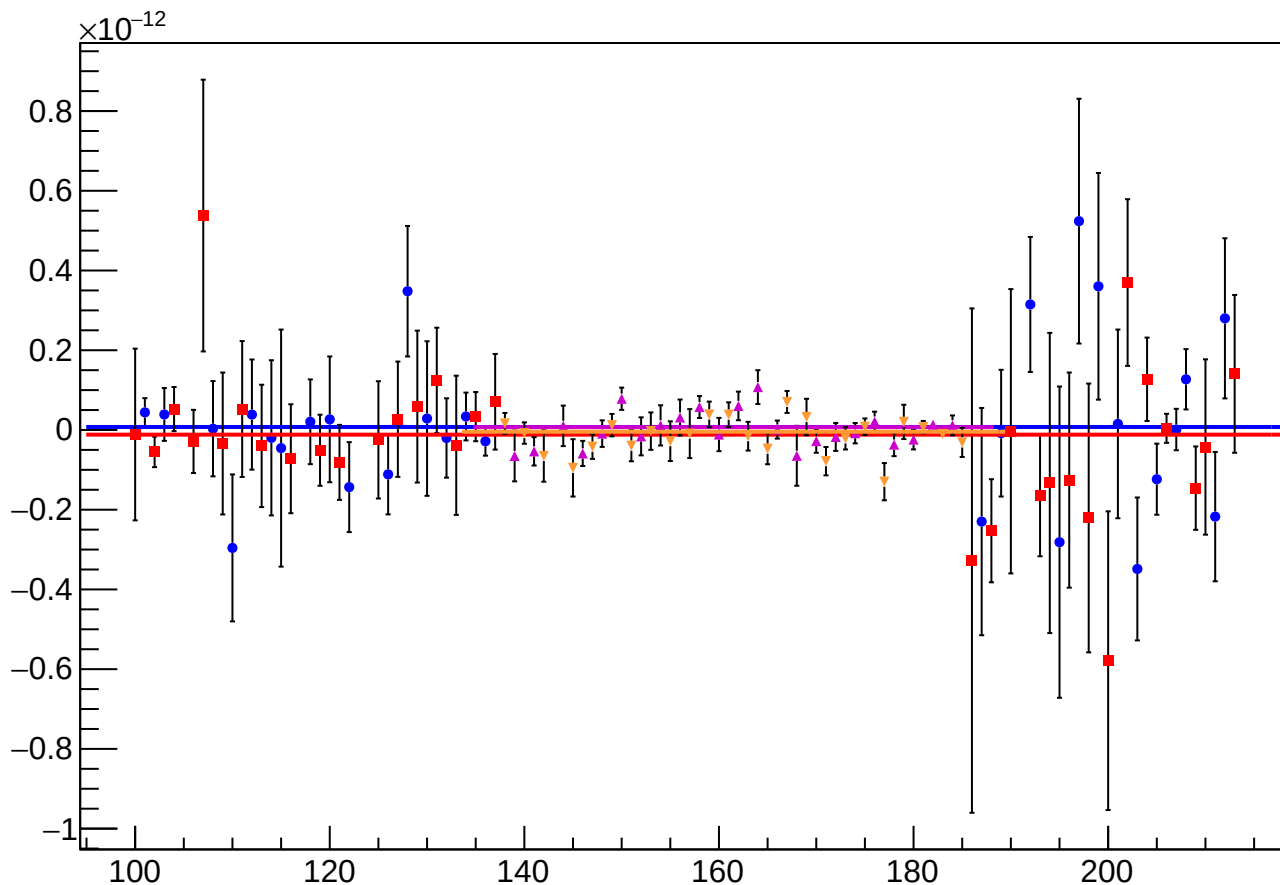
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003332.7/22

+ sign 103.613 $\pm$ 0.014 χ^2 /NDF: 5555255.5/52

All: 103.408 $\pm$ 0.010 χ^2 /NDF: 12716365.8/10

- sign 103.205 $\pm$ 0.014 χ^2 /NDF: 7160671.4/54

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34.2/28

Left Out: -0.000+/-0.000 χ^2/NDF : 32.9/23

Right Out: -0.000+/-0.000 χ^2/NDF : 23.9/31

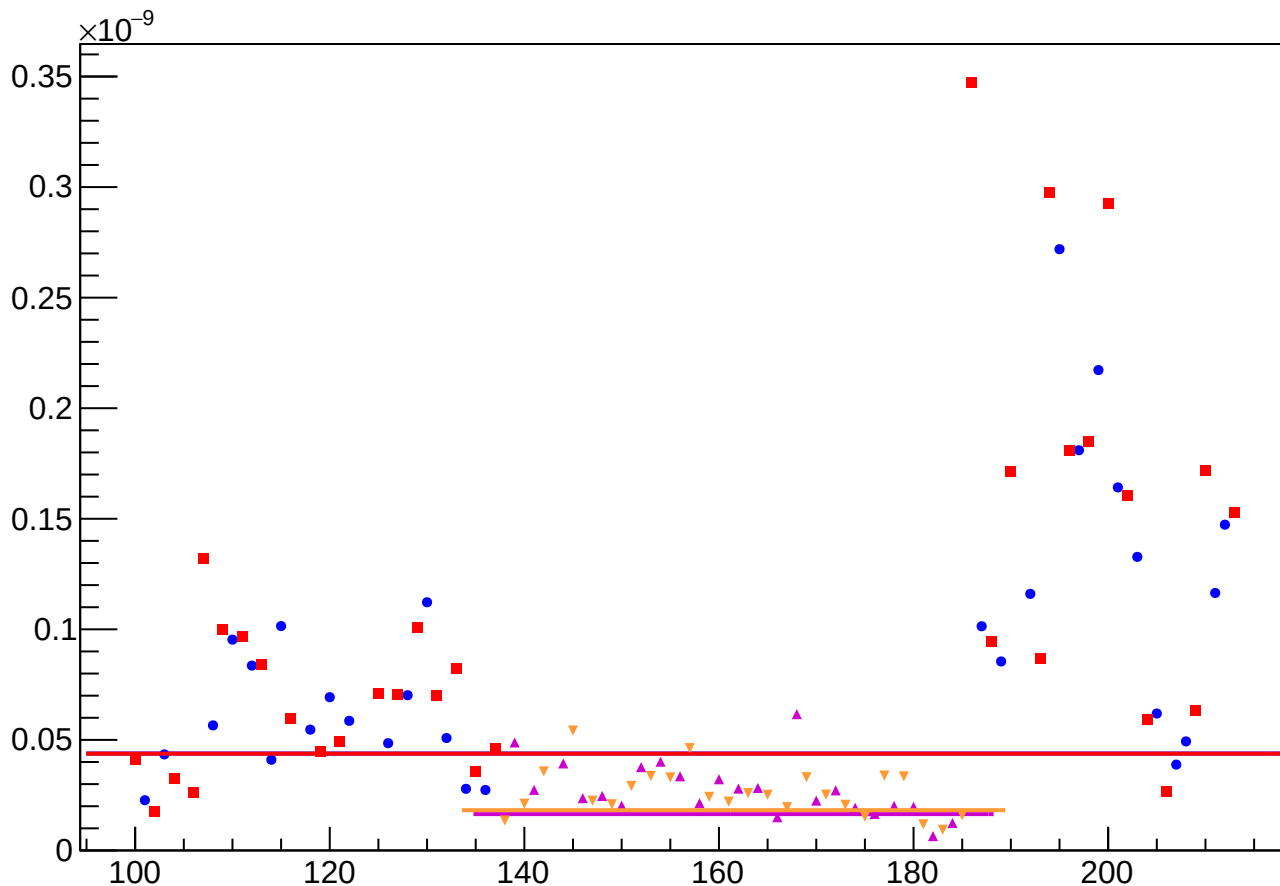
Left In: 0.000+/-0.000 χ^2/NDF : 35.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 67.6/52

All: 0.000+/-0.000 χ^2/NDF : 129.1/107

- sign 0.000+/-0.000 χ^2/NDF : 60.2/54

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6560655.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8634725.9/31

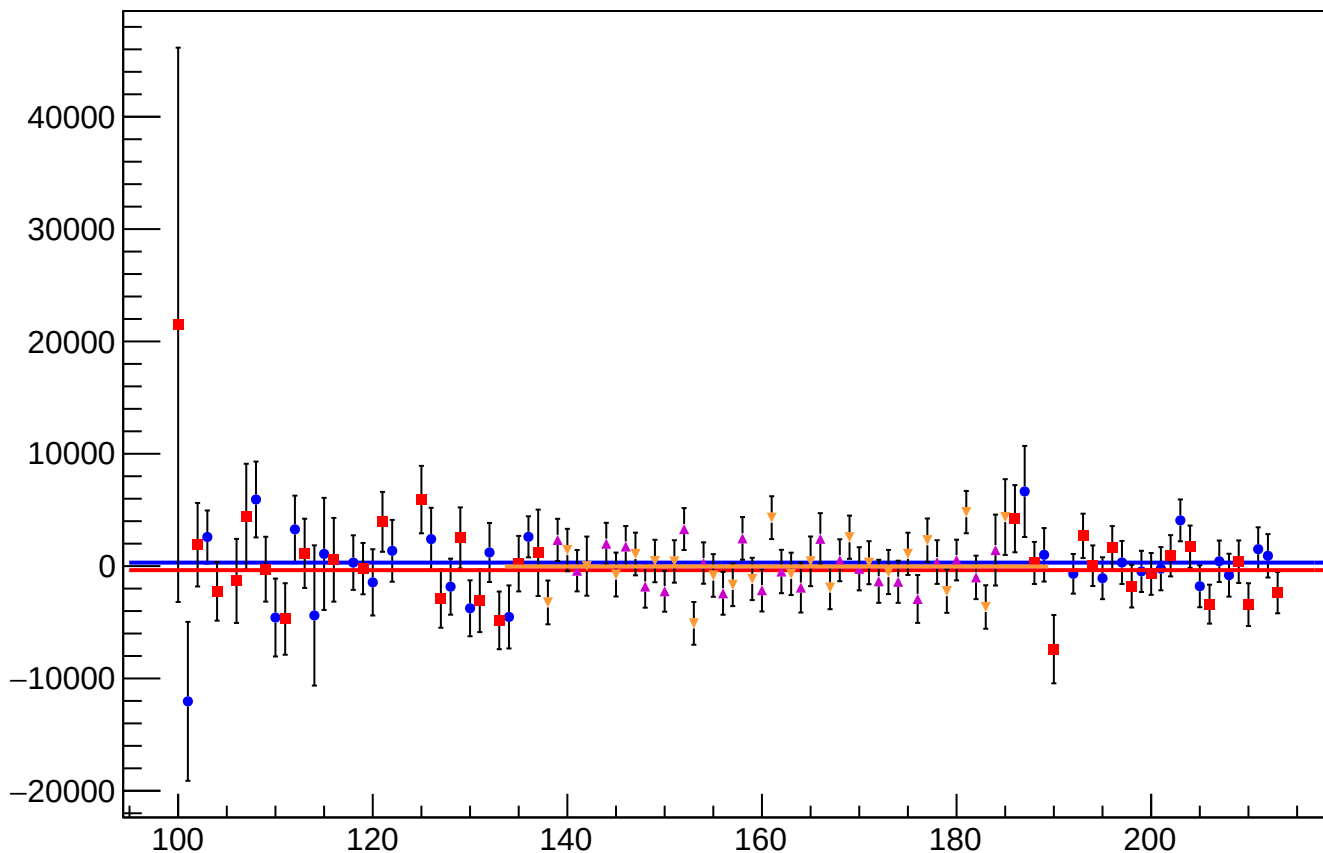
Left In: 0.000+/-0.000 χ^2/NDF : 7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 15111907.4/52

All: 0.000+/-0.000 χ^2/NDF : 35412900.0/107

- sign 0.000+/-0.000 χ^2/NDF : 20139853.8/54

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 311.430 ± 432.531 χ^2/NDF : 29.3/28

Left Out: -34.799 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -357.779 ± 421.197 χ^2/NDF : 38.8/31

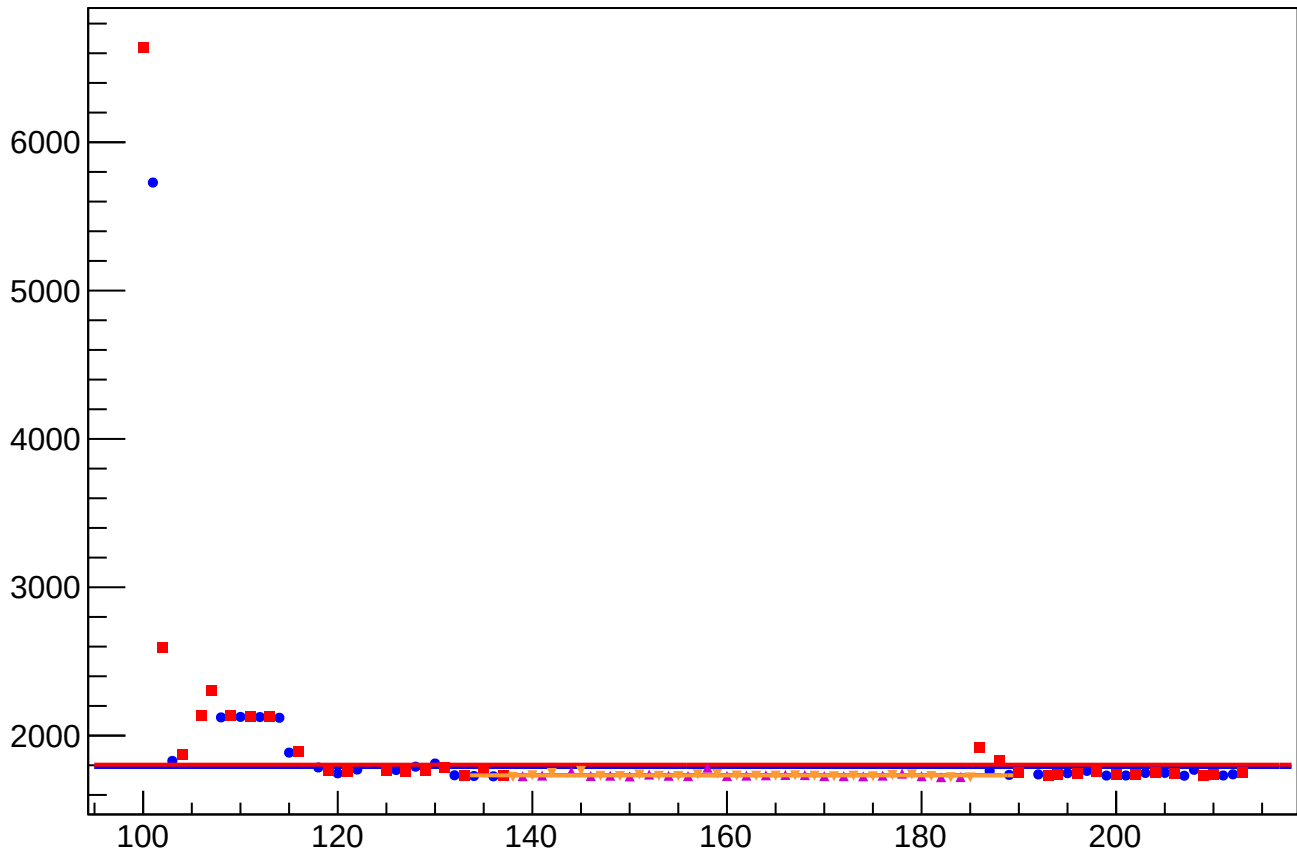
Left In: -52.796 ± 404.703 χ^2/NDF : 19.4/22

+ sign 125.653 ± 294.448 χ^2/NDF : 65.0/52

All: -38.226 ± 207.273 χ^2/NDF : 124.1/107

- sign -199.199 ± 291.825 χ^2/NDF : 58.5/54

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1788.322+/-0.306 χ^2/NDF : 711081.3/28

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1804.000+/-0.298 χ^2/NDF : 312752.2/31

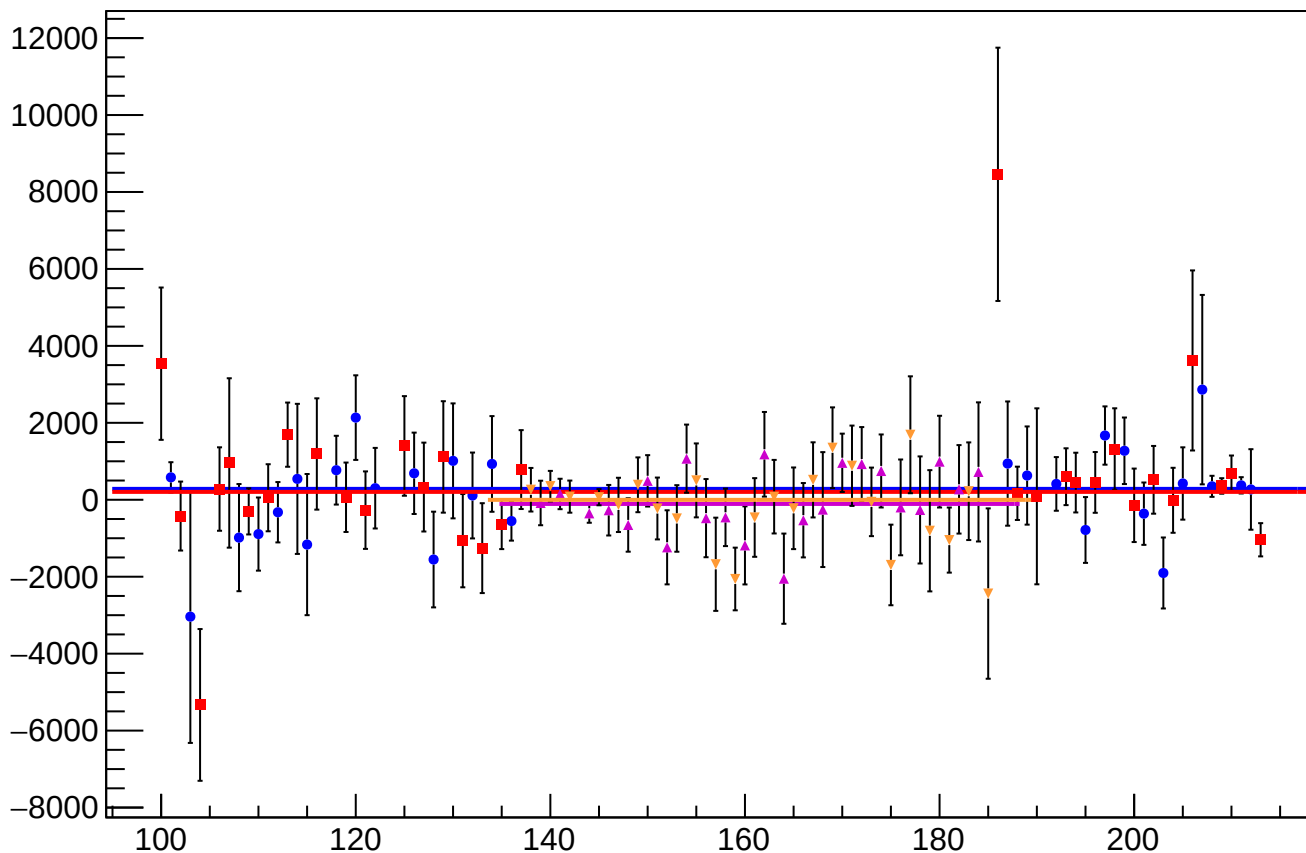
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1758.093+/-0.208 χ^2/NDF : 730224.1/52

All: 1762.711+/-0.147 χ^2/NDF : 1075469.3/10

- sign 1767.247+/-0.206 χ^2/NDF : 344270.1/54

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 283.160 $\pm$ 120.719 χ^2 /NDF: 28.0/28

Left Out: -2.406 $\pm$ 130.052 χ^2 /NDF:20.3/23

Right Out: 204.970 $\pm$ 124.359 χ^2 /NDF: 42.2/31

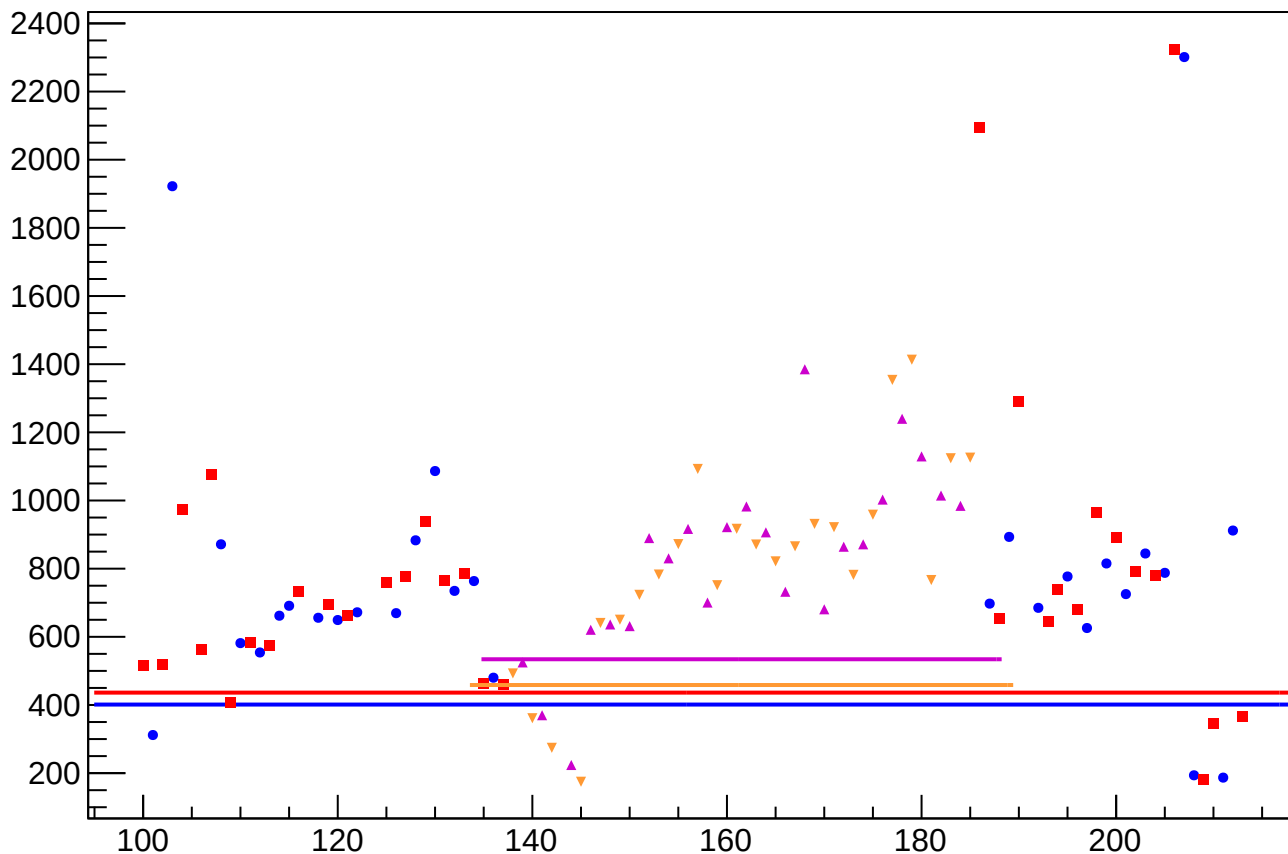
Left In: -108.386 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 150.991 $\pm$ 88.477 χ^2 /NDF: 50.9/52

All: 113.088 $\pm$ 64.403 χ^2 /NDF: 113.2/107

- sign 70.372 $\pm$ 93.927 χ^2 /NDF: 62.0/54

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 401.228 $\pm$ 0.085 χ^2 /NDF: 10334705.5/28

Left Out: 458.579 $\pm$ 0.092 χ^2 /NDF: 11426734.4/23

Right Out: 436.264 $\pm$ 0.088 χ^2 /NDF: 9545905.2/31

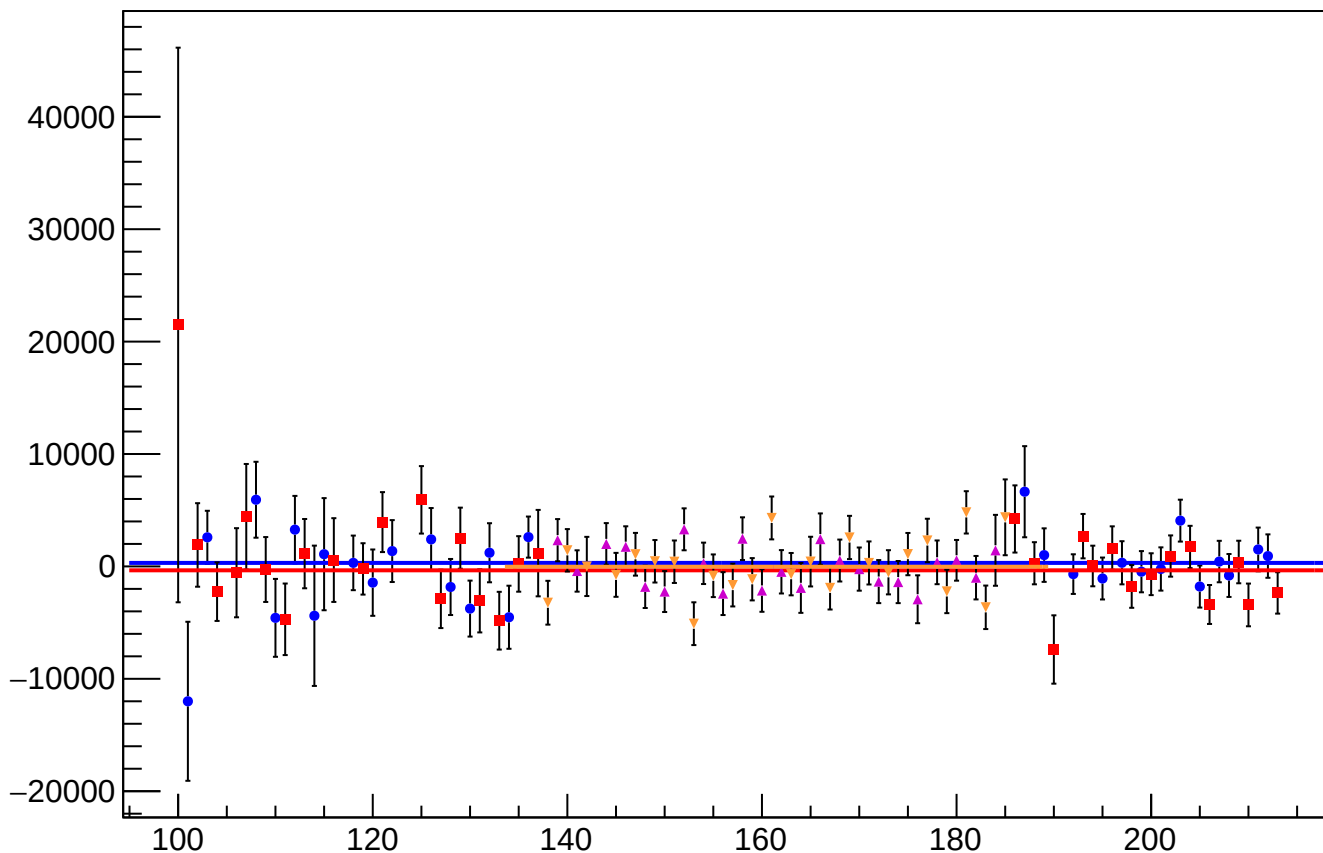
Left In: 534.161 $\pm$ 0.101 χ^2 /NDF: 8443293.1/22

+ sign 427.772 $\pm$ 0.063 χ^2 /NDF: 21970366.5/52

All: 451.534 $\pm$ 0.046 χ^2 /NDF: 40798775.2/10

- sign 478.314 $\pm$ 0.066 χ^2 /NDF: 18521563.0/54

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 311.429 ± 432.531 χ^2/NDF : 29.2/28

Left Out: -34.742 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -347.819 ± 421.488 χ^2/NDF : 38.7/31

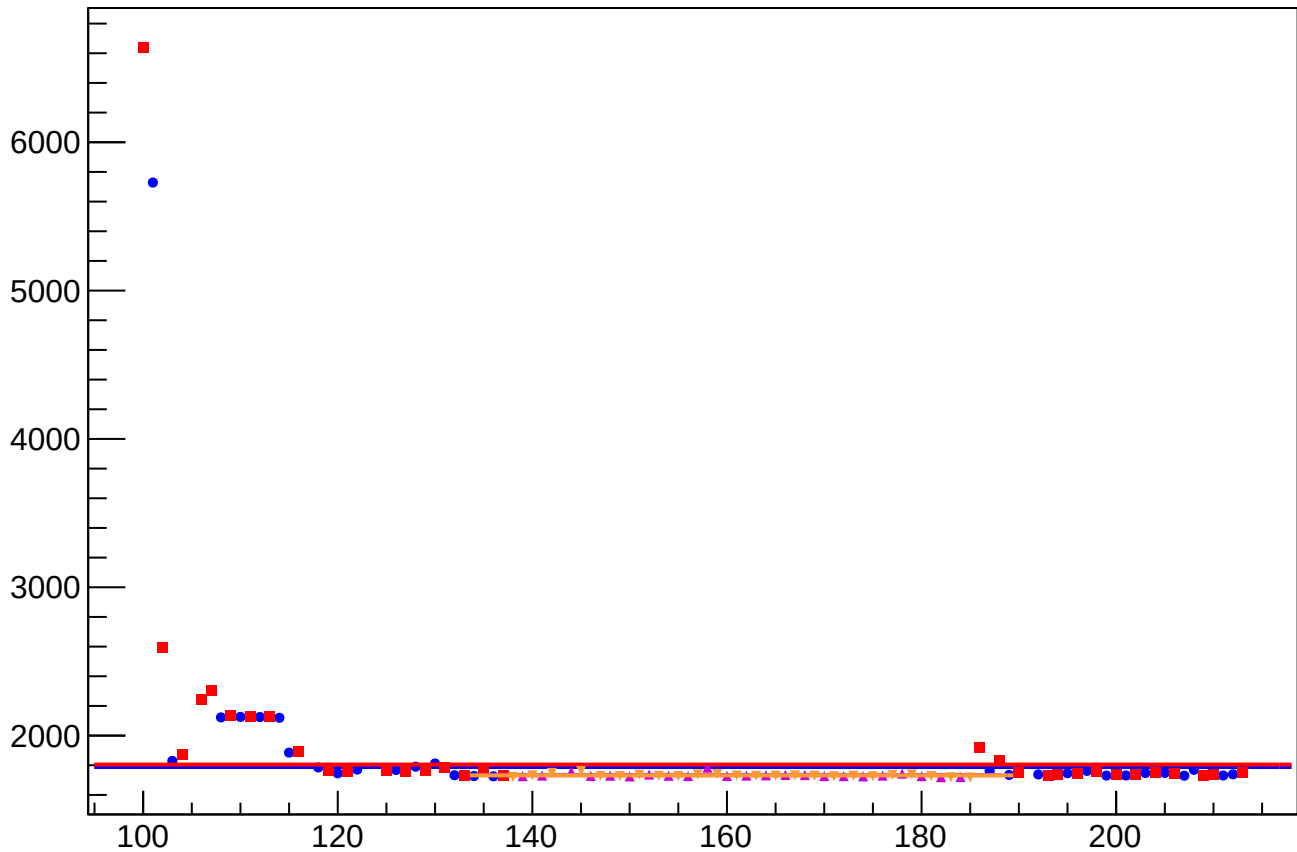
Left In: -52.714 ± 404.703 χ^2/NDF : 19.4/22

+ sign 125.683 ± 294.448 χ^2/NDF : 65.0/52

All: -35.674 ± 207.307 χ^2/NDF : 123.9/107

- sign -194.274 ± 291.922 χ^2/NDF : 58.4/54

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1788.322+/-0.306 χ^2/NDF : 711081.2/28

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1804.729+/-0.298 χ^2/NDF : 321324.6/31

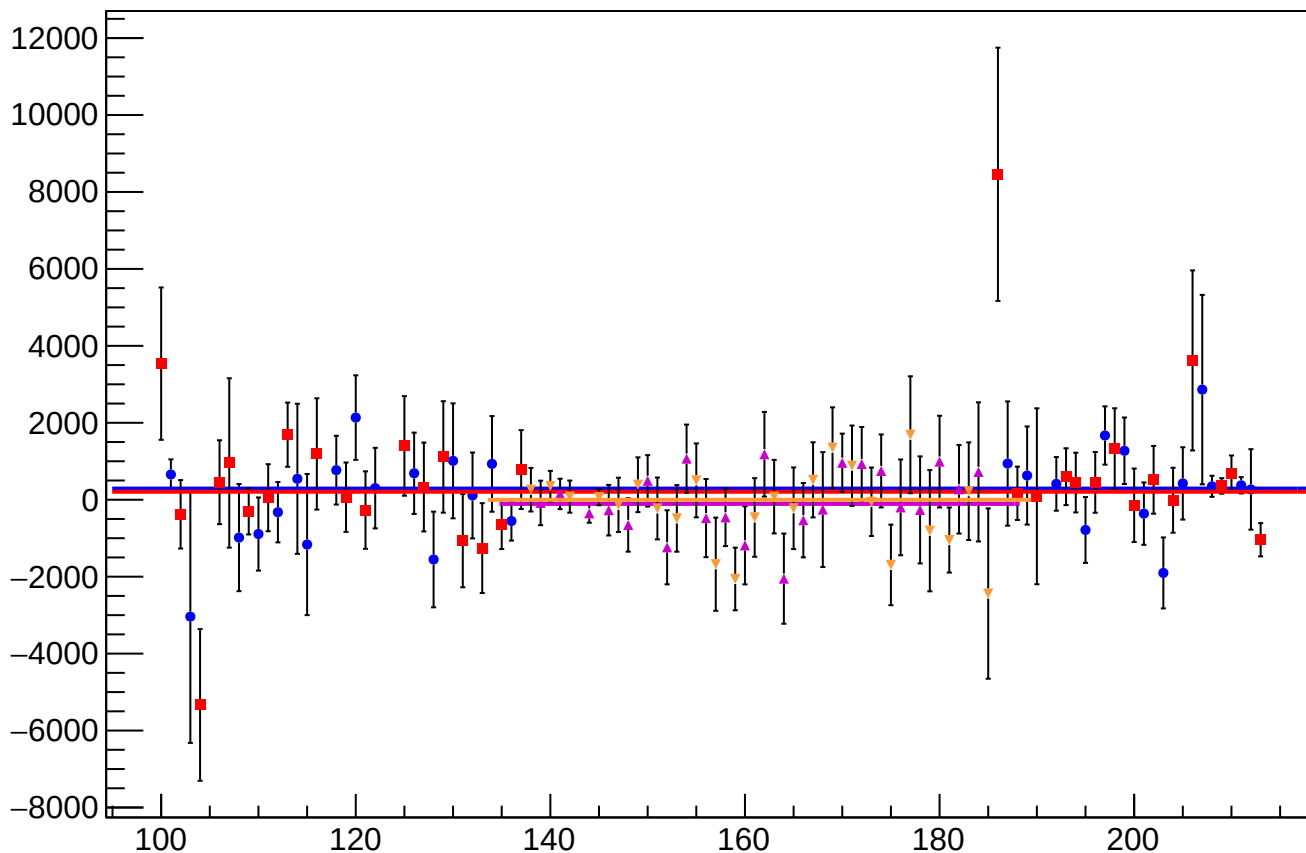
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1758.093+/-0.208 χ^2/NDF : 730223.9/52

All: 1762.873+/-0.147 χ^2/NDF : 1084697.1/10

- sign 1767.572+/-0.206 χ^2/NDF : 353428.0/54

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 290.178 $\pm$ 120.700 χ^2 /NDF: 28.3/28

Left Out: -2.529 $\pm$ 130.054 χ^2 /NDF:20.3/23

Right Out: 208.029 $\pm$ 124.347 χ^2 /NDF: 42.2/31

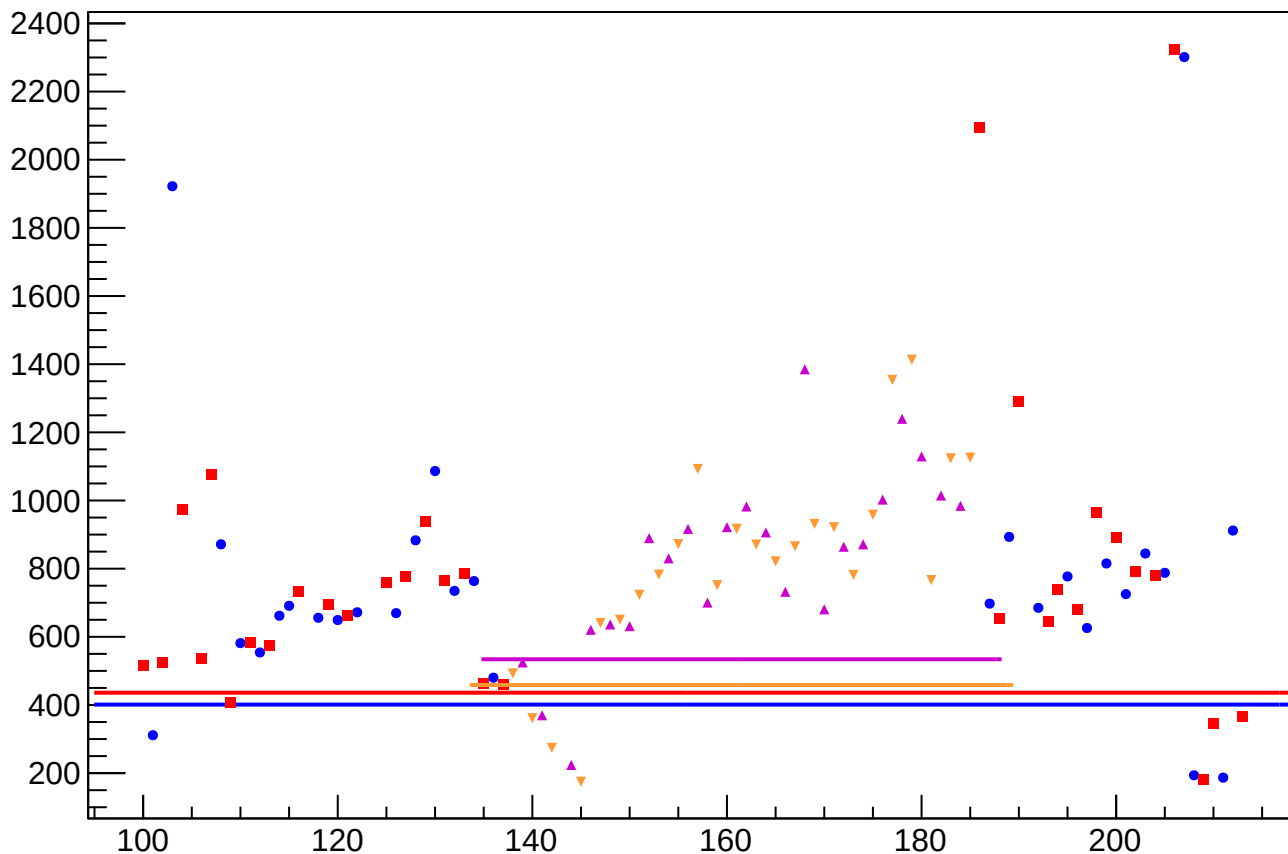
Left In: -108.358 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 154.728 $\pm$ 88.470 χ^2 /NDF: 51.3/52

All: 115.902 $\pm$ 64.399 χ^2 /NDF: 113.7/107

- sign 72.144 $\pm$ 93.922 χ^2 /NDF: 62.0/54

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 401.133+/-0.085 χ^2/NDF : 10337175.2/28

Left Out: 458.589+/-0.092 χ^2/NDF : 11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF : 9539306.9/31

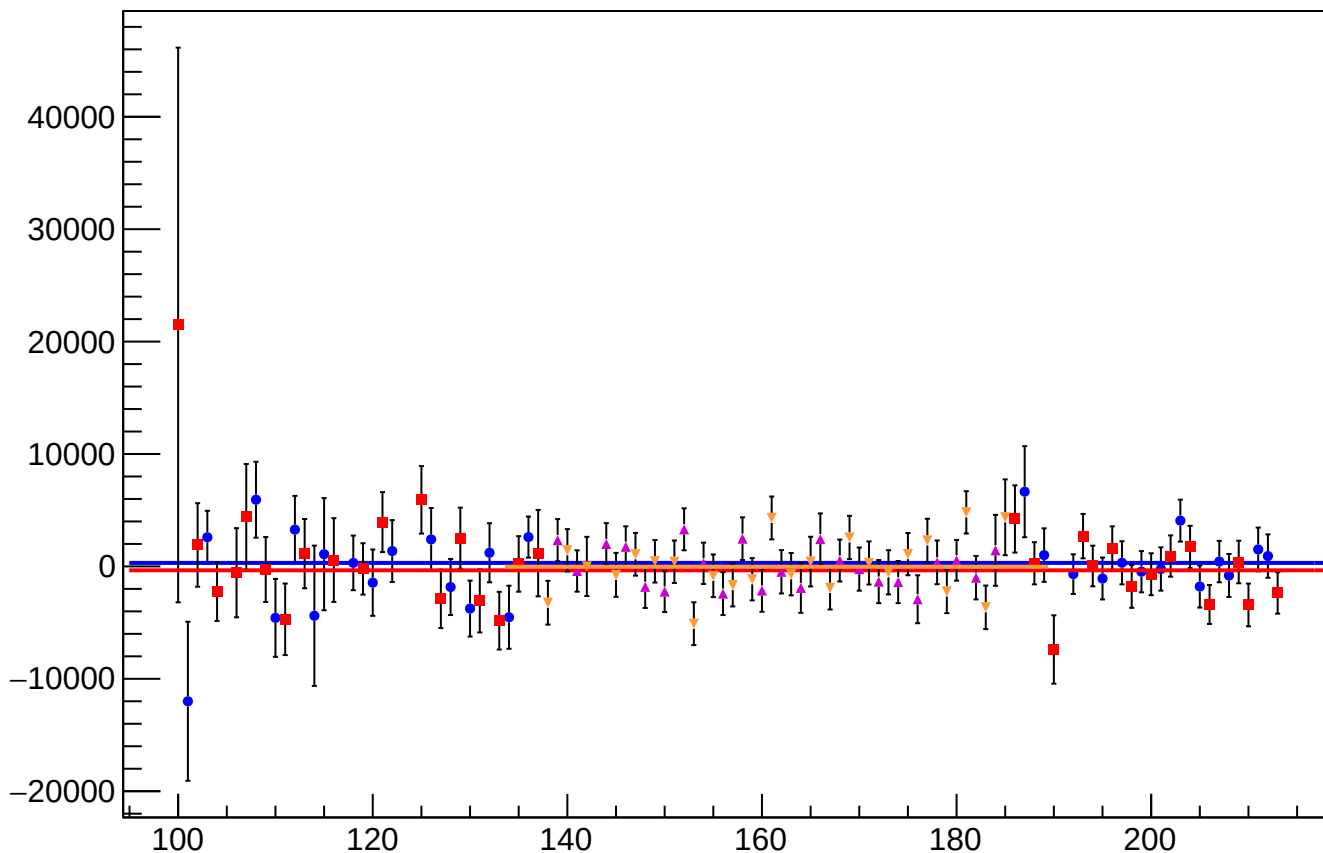
Left In: 534.168+/-0.101 χ^2/NDF : 8442812.5/22

+ sign 427.721+/-0.063 χ^2/NDF : 21973209.2/52

All: 451.443+/-0.046 χ^2/NDF : 40796234.4/10

- sign 478.179+/-0.066 χ^2/NDF : 18517168.2/54

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 311.429 ± 432.531 χ^2/NDF : 29.2/28

Left Out: -34.742 ± 401.970 χ^2/NDF : 35.4/23

Right Out: -347.819 ± 421.488 χ^2/NDF : 38.7/31

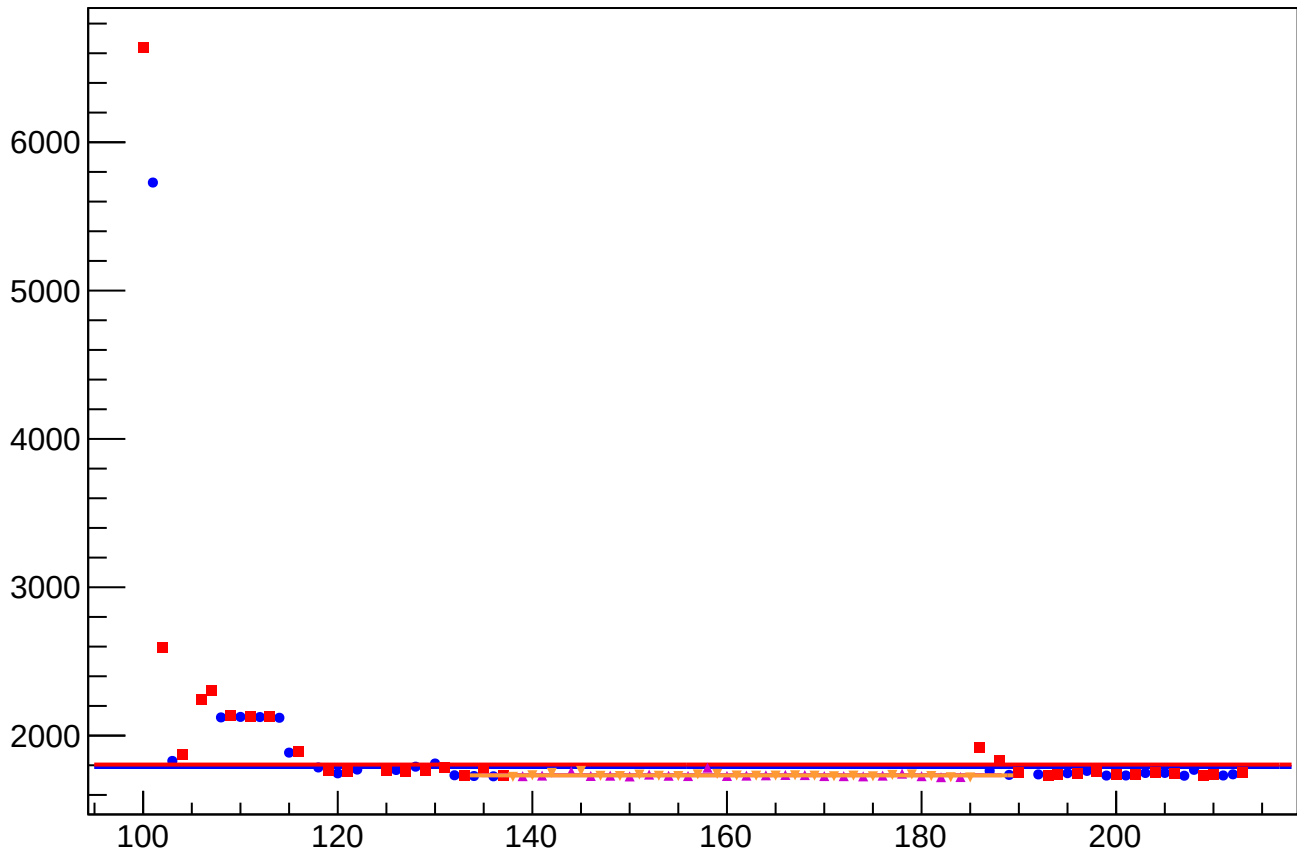
Left In: -52.714 ± 404.703 χ^2/NDF : 19.4/22

+ sign 125.683 ± 294.448 χ^2/NDF : 65.0/52

All: -35.674 ± 207.307 χ^2/NDF : 123.9/107

- sign -194.274 ± 291.922 χ^2/NDF : 58.4/54

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1788.322+/-0.306 χ^2/NDF : 711081.2/28

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1804.729+/-0.298 χ^2/NDF : 321324.6/31

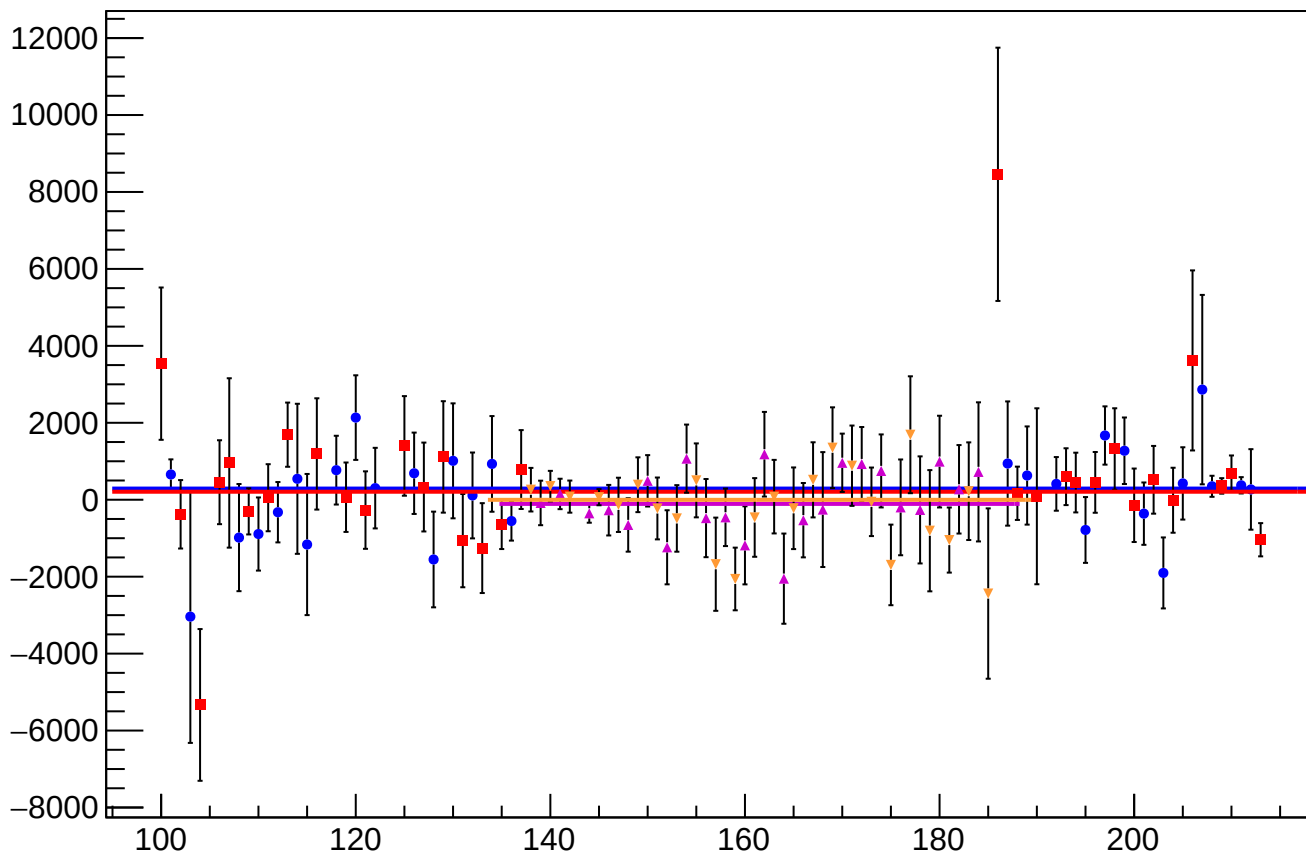
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1758.093+/-0.208 χ^2/NDF : 730223.9/52

All: 1762.873+/-0.147 χ^2/NDF : 1084697.1/10

- sign 1767.572+/-0.206 χ^2/NDF : 353428.0/54

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 290.178+/-120.700 χ^2/NDF : 28.3/28

Left Out: -2.529+/-130.054 χ^2/NDF : 20.3/23

Right Out: 208.029+/-124.347 χ^2/NDF : 42.2/31

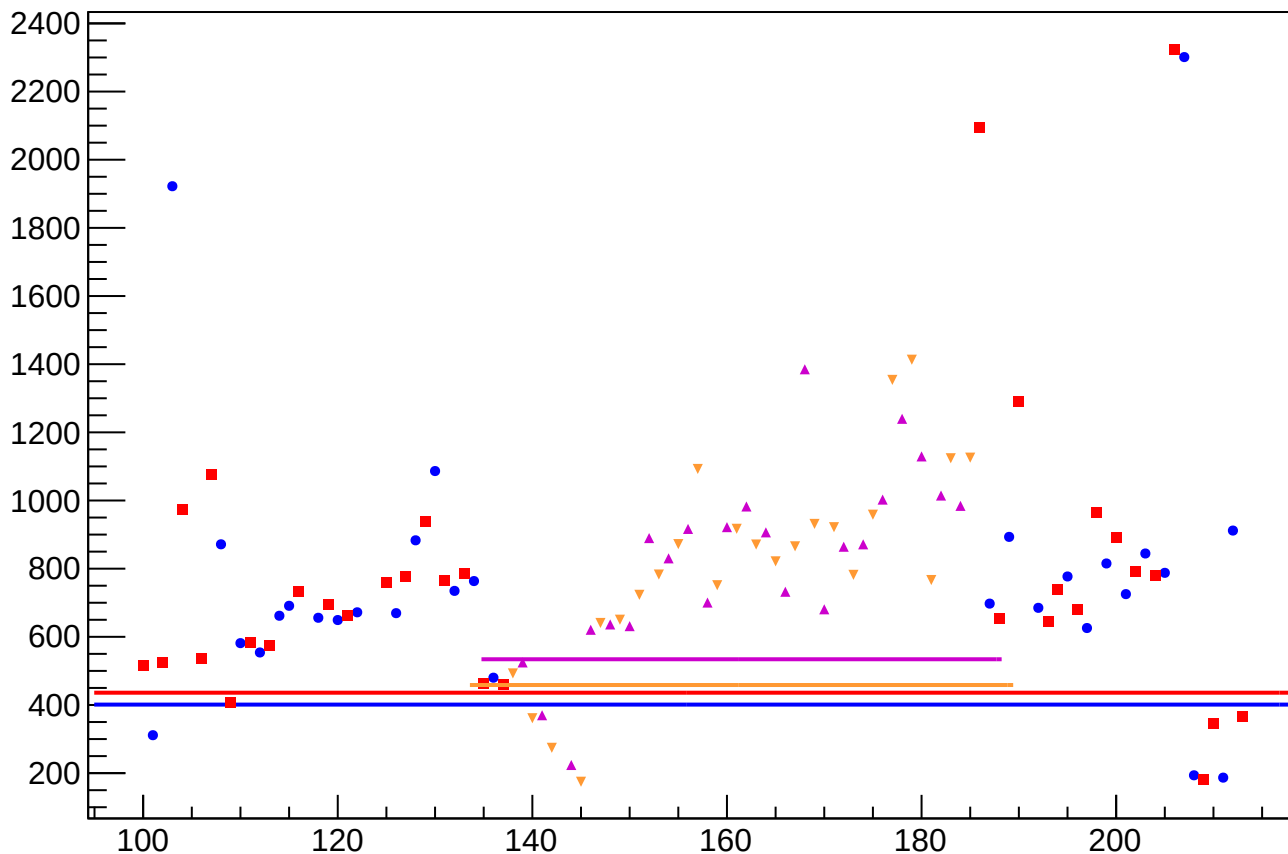
Left In: -108.358+/-143.315 χ^2/NDF : 17.0/22

+ sign 154.728+/-88.470 χ^2/NDF : 51.3/52

All: 115.902+/-64.399 χ^2/NDF : 113.7/107

- sign 72.144+/-93.922 χ^2/NDF : 62.0/54

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 401.133+/-0.085 χ^2/NDF : 10337175.2/28

Left Out: 458.589+/-0.092 χ^2/NDF : 11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF : 9539306.9/31

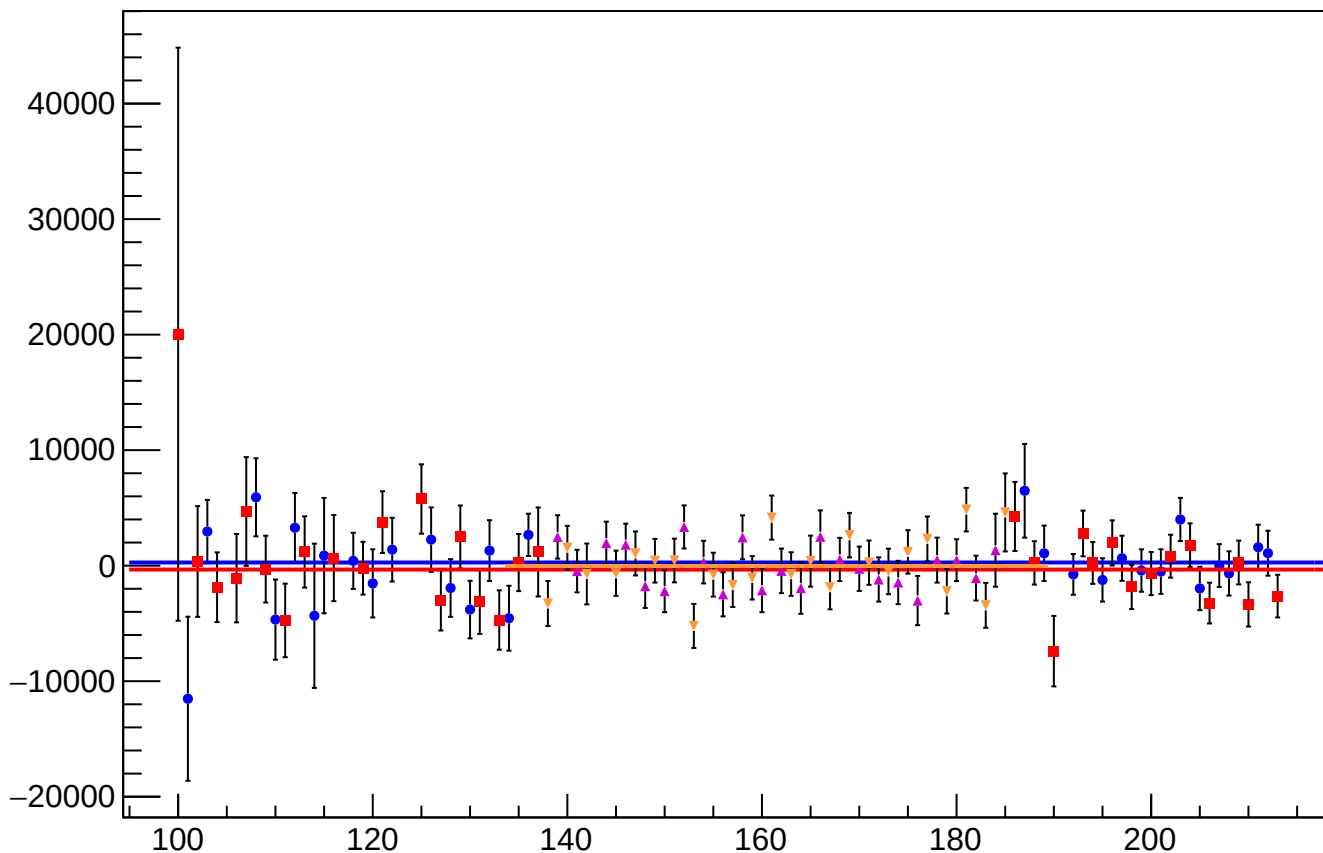
Left In: 534.168+/-0.101 χ^2/NDF : 8442812.5/22

+ sign 427.721+/-0.063 χ^2/NDF : 21973209.2/52

All: 451.443+/-0.046 χ^2/NDF : 40796234.4/10

- sign 478.179+/-0.066 χ^2/NDF : 18517168.2/54

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 273.088 $\pm$ 435.772 χ^2 /NDF: 29.5/28

Left Out: -29.389 $\pm$ 402.317 χ^2 /NDF:35.4/23

Right Out: -338.087 $\pm$ 425.633 χ^2 /NDF: 38.0/31

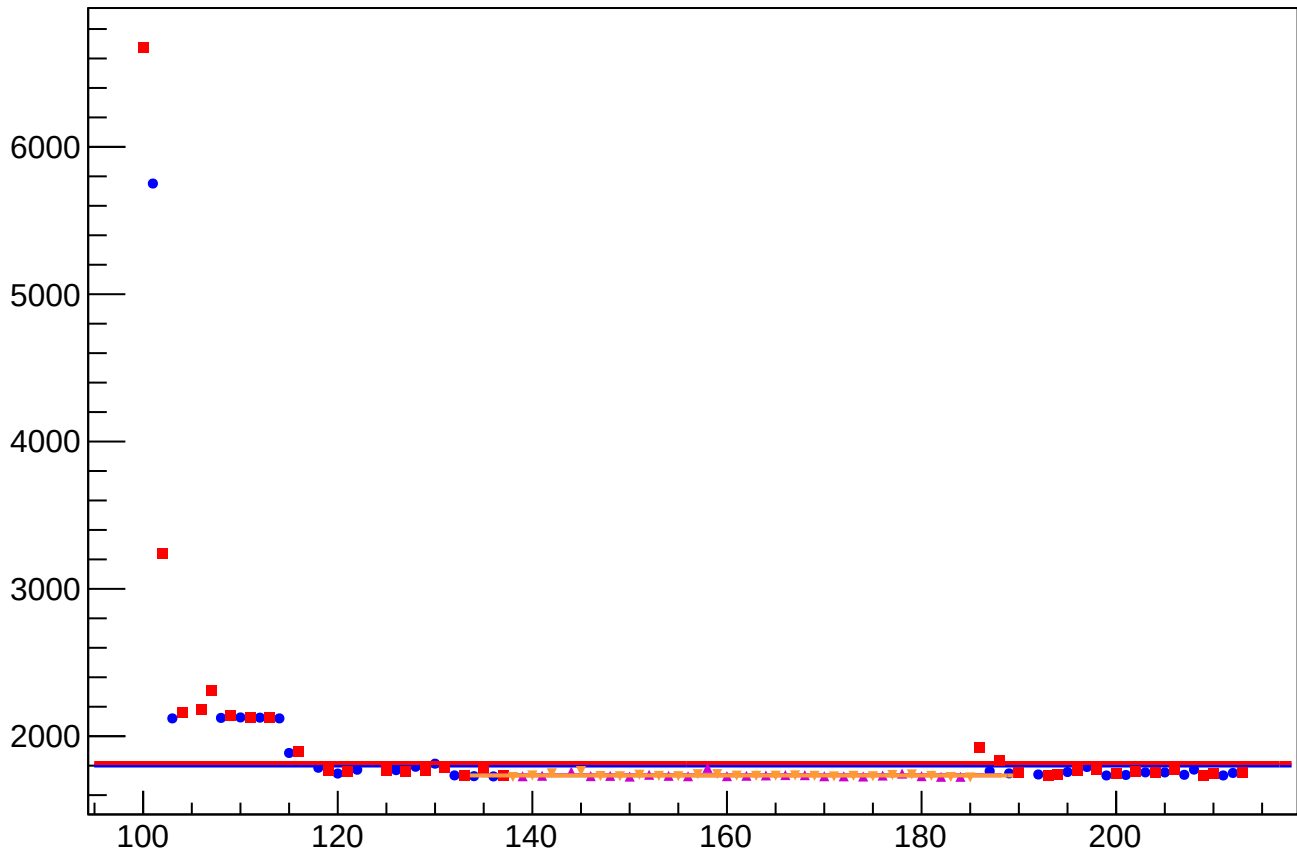
Left In: -42.465 $\pm$ 405.052 χ^2 /NDF:19.9/22

+ sign 109.794 $\pm$ 295.602 χ^2 /NDF: 65.2/52

All: -37.665 $\pm$ 208.247 χ^2 /NDF: 123.8/107

- sign -182.956 $\pm$ 293.421 χ^2 /NDF: 58.1/54

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.991 $\pm$ 0.308 χ^2 /NDF: 736884.4/28

Left Out: 1733.478 $\pm$ 0.284 χ^2 /NDF: 901.3/23

Right Out: 1818.123 $\pm$ 0.301 χ^2 /NDF: 422343.3/31

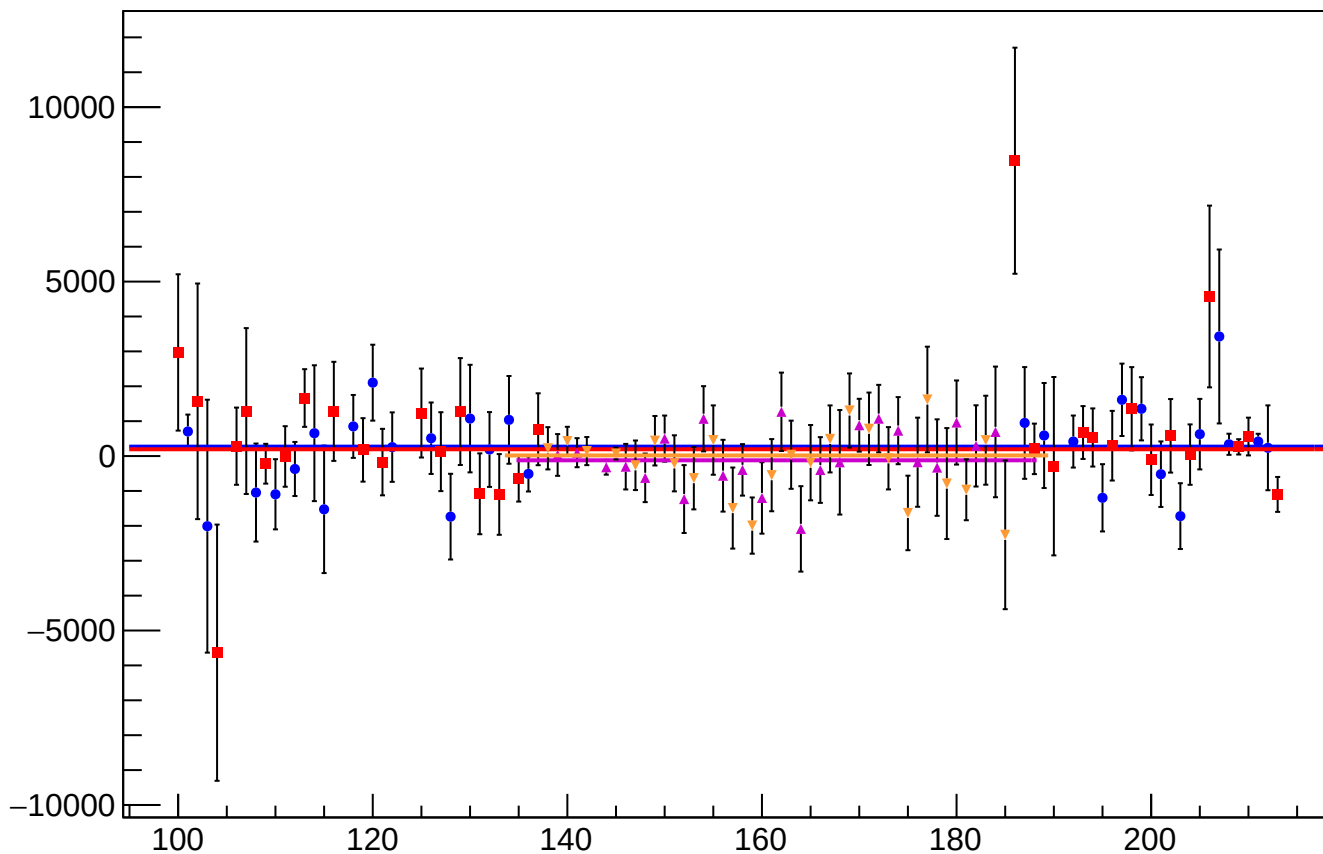
Left In: 1734.810 $\pm$ 0.286 χ^2 /NDF: 2175.7/22

+ sign 1764.544 $\pm$ 0.209 χ^2 /NDF: 763701.1/52

All: 1769.510 $\pm$ 0.147 χ^2 /NDF: 1229552.6/10

- sign 1774.404 $\pm$ 0.207 χ^2 /NDF: 464730.7/54

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 269.663 $\pm$ 129.701 χ^2 /NDF: 27.7/28

Left Out: 18.027 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 194.787 $\pm$ 134.657 χ^2 /NDF: 32.8/31

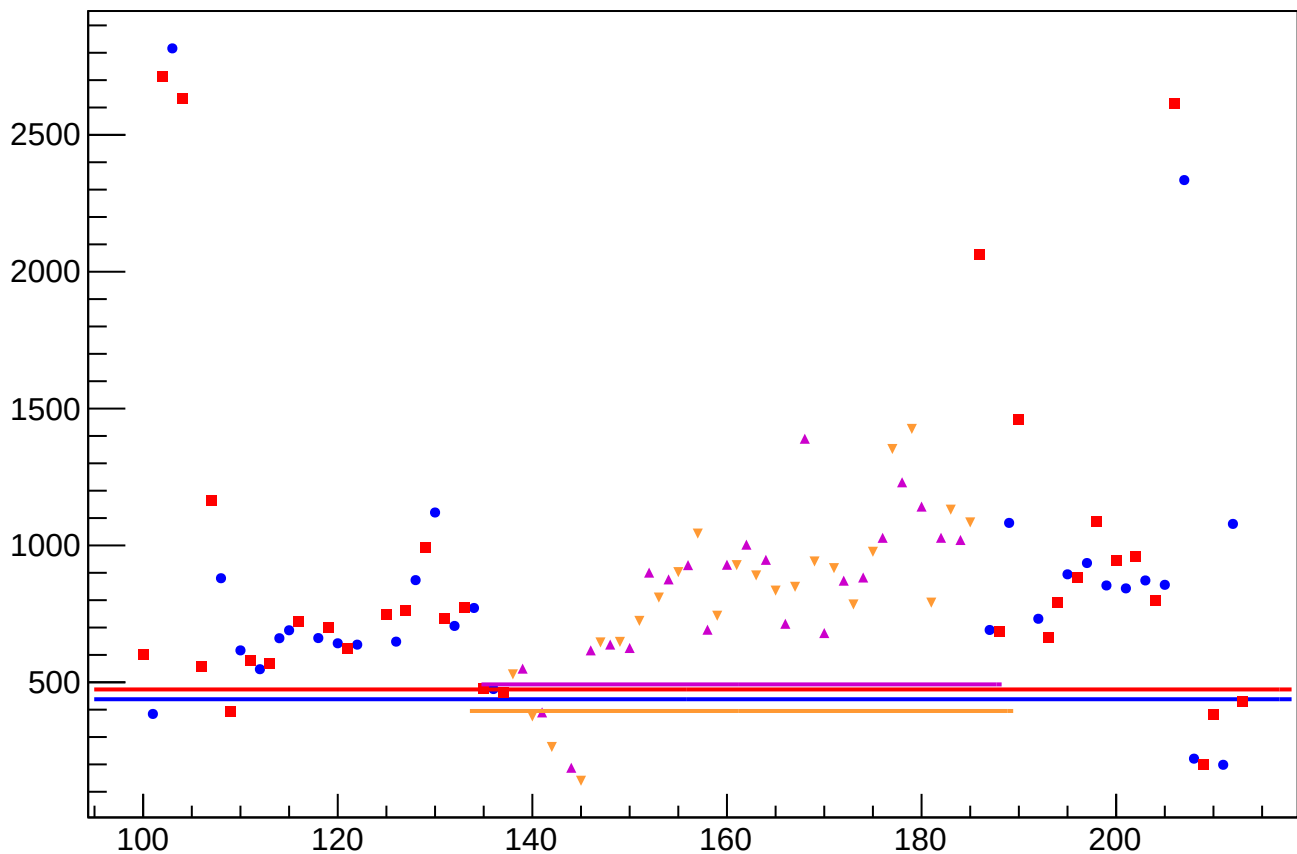
Left In: -121.705 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 133.387 $\pm$ 87.818 χ^2 /NDF: 49.2/52

All: 90.630 $\pm$ 64.823 χ^2 /NDF: 101.7/107

- sign 39.443 $\pm$ 96.086 χ^2 /NDF: 52.0/54

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 438.053+/-0.092 χ^2/NDF : 10758183.8/28

Left Out: 395.188+/-0.084 χ^2/NDF :14334419.9/23

Right Out: 473.859+/-0.095 χ^2/NDF : 10683645.4/31

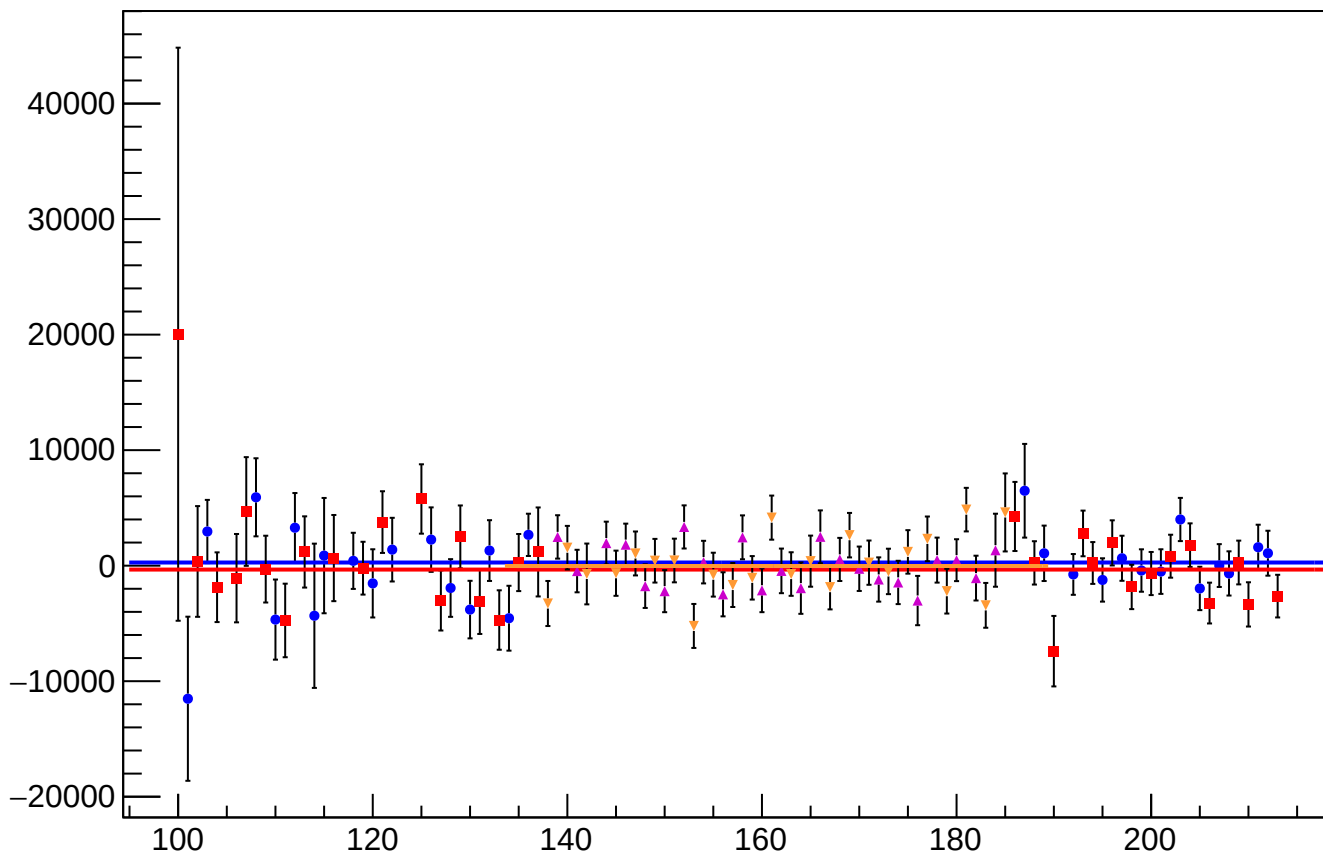
Left In: 492.294+/-0.097 χ^2/NDF :10419498.8/22

+ sign 414.839+/-0.062 χ^2/NDF : 25210907.7/52

All: 445.820+/-0.046 χ^2/NDF : 46879331.0/10

- sign 482.908+/-0.068 χ^2/NDF : 21121543.0/54

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 273.089 ± 435.772 $\chi^2/\text{NDF}: 29.5/28$

Left Out: -29.392 ± 402.317 $\chi^2/\text{NDF}: 35.4/23$

Right Out: -338.088 ± 425.633 $\chi^2/\text{NDF}: 38.0/31$

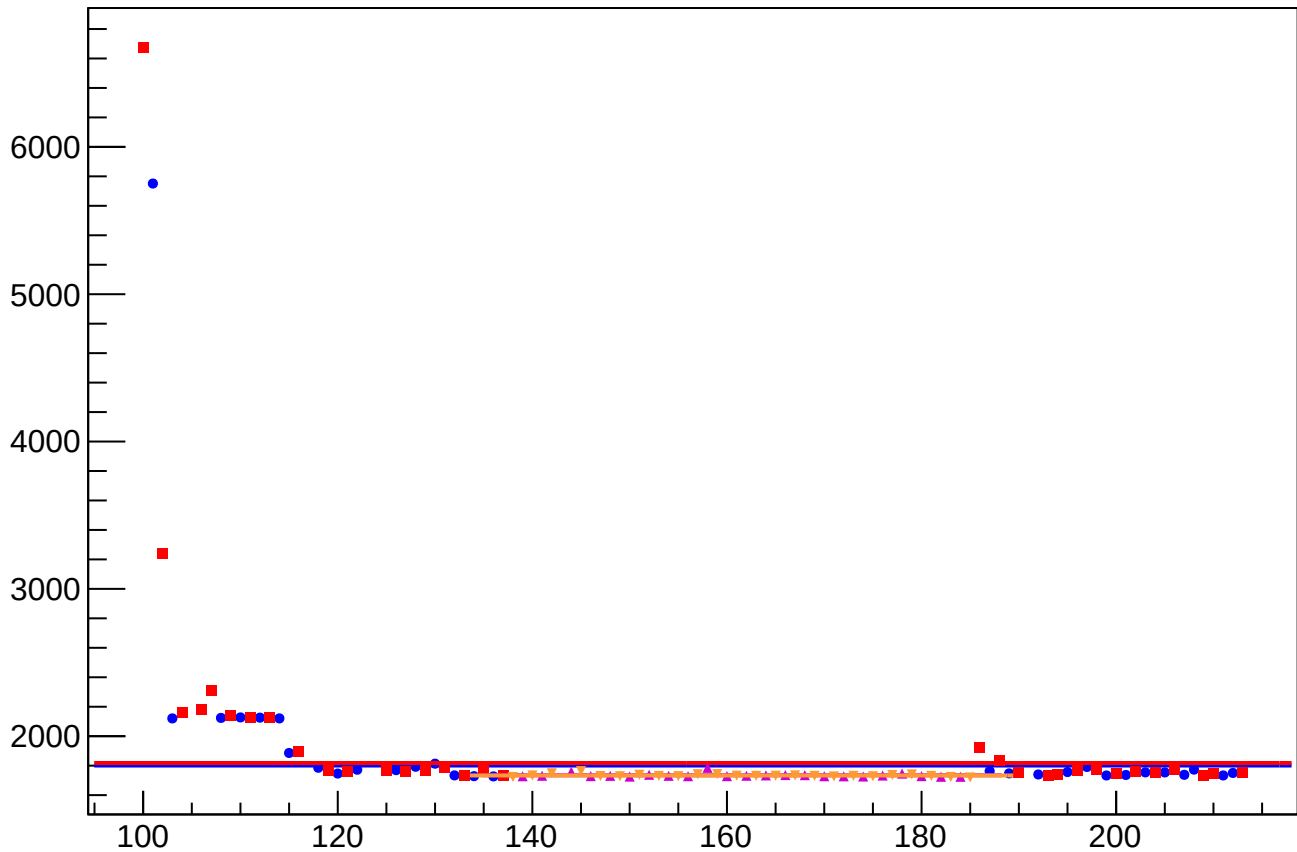
Left In: -42.465 ± 405.052 $\chi^2/\text{NDF}: 19.9/22$

+ sign 109.794 ± 295.602 $\chi^2/\text{NDF}: 65.2/52$

All: -37.665 ± 208.247 $\chi^2/\text{NDF}: 123.8/107$

- sign -182.956 ± 293.421 $\chi^2/\text{NDF}: 58.1/54$

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.991+/-0.308 χ^2/NDF : 736884.0/28

Left Out: 1733.478+/-0.284 χ^2/NDF : 901.3/23

Right Out: 1818.123+/-0.301 χ^2/NDF : 422342.4/31

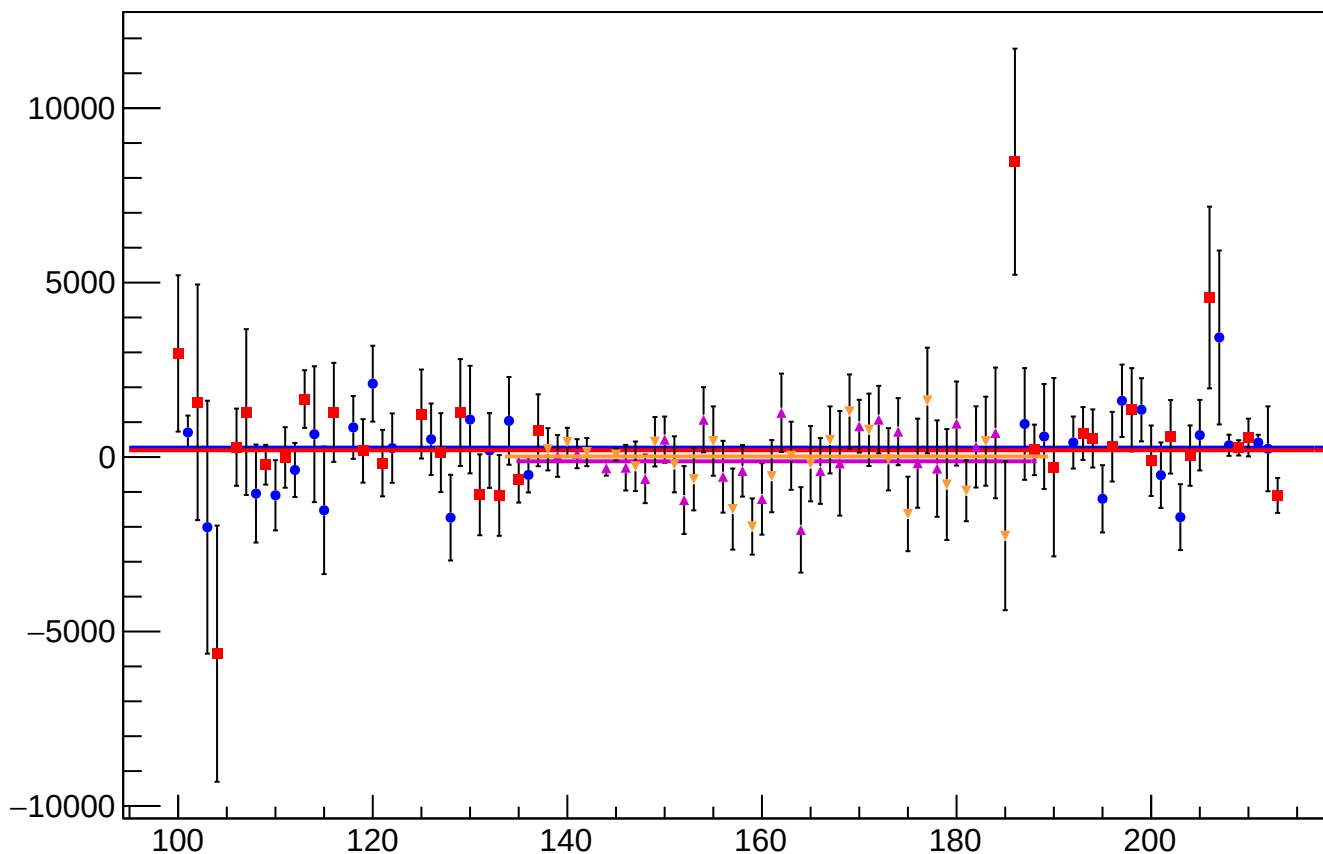
Left In: 1734.810+/-0.286 χ^2/NDF : 2175.7/22

+ sign 1764.544+/-0.209 χ^2/NDF : 763700.7/52

All: 1769.510+/-0.147 χ^2/NDF : 1229551.3/10

- sign 1774.404+/-0.207 χ^2/NDF : 464729.8/54

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 269.662 $\pm$ 129.701 χ^2 /NDF: 27.7/28

Left Out: 18.026 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 194.783 $\pm$ 134.656 χ^2 /NDF: 32.8/31

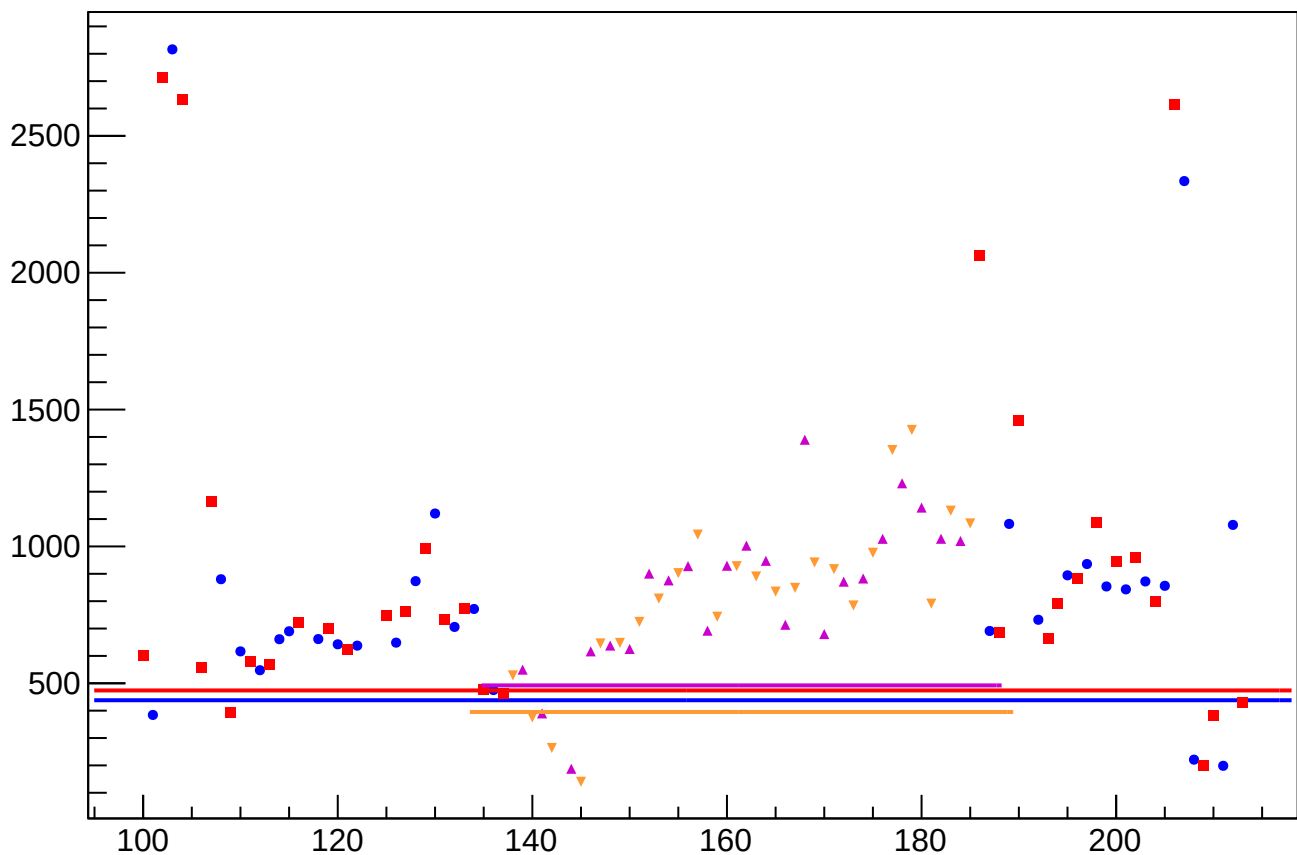
Left In: -121.706 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 133.386 $\pm$ 87.818 χ^2 /NDF: 49.2/52

All: 90.629 $\pm$ 64.823 χ^2 /NDF: 101.7/107

- sign 39.443 $\pm$ 96.086 χ^2 /NDF: 52.0/54

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 438.054 $\pm$ 0.092 χ^2 /NDF: 10758114.0/28

Left Out: 395.188 $\pm$ 0.084 χ^2 /NDF:14334464.6/23

Right Out: 473.855 $\pm$ 0.095 χ^2 /NDF: 10683747.9/31

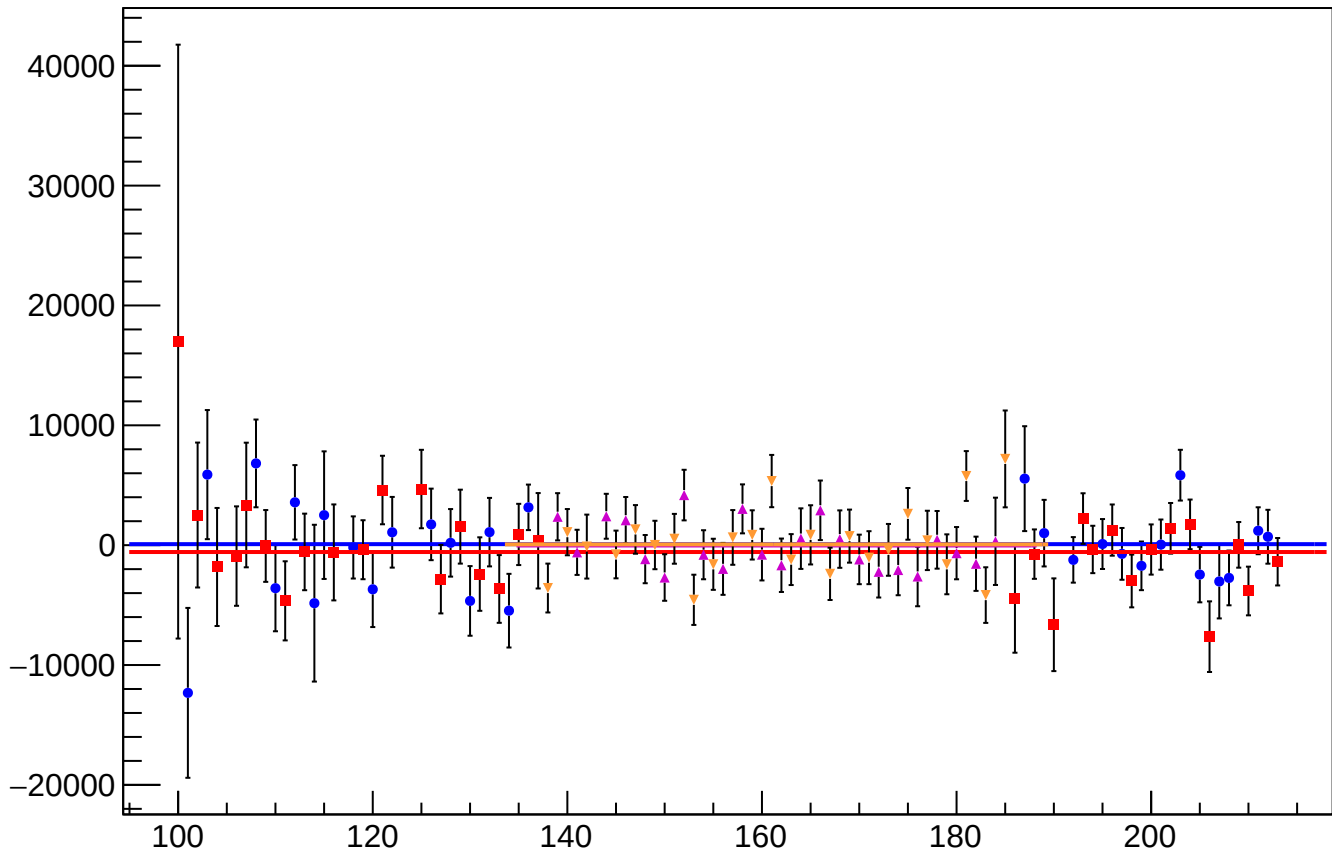
Left In: 492.295 $\pm$ 0.097 χ^2 /NDF:10419523.2/22

+ sign 414.840 $\pm$ 0.062 χ^2 /NDF: 25210888.3/52

All: 445.819 $\pm$ 0.046 χ^2 /NDF: 46879411.2/10

- sign 482.906 $\pm$ 0.068 χ^2 /NDF: 21121679.6/54

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 85.039 ± 491.727 χ^2/NDF : 35.8/28

Left Out: 66.661 ± 449.750 χ^2/NDF : 33.6/23

Right Out: -571.495 ± 475.820 χ^2/NDF : 29.5/31

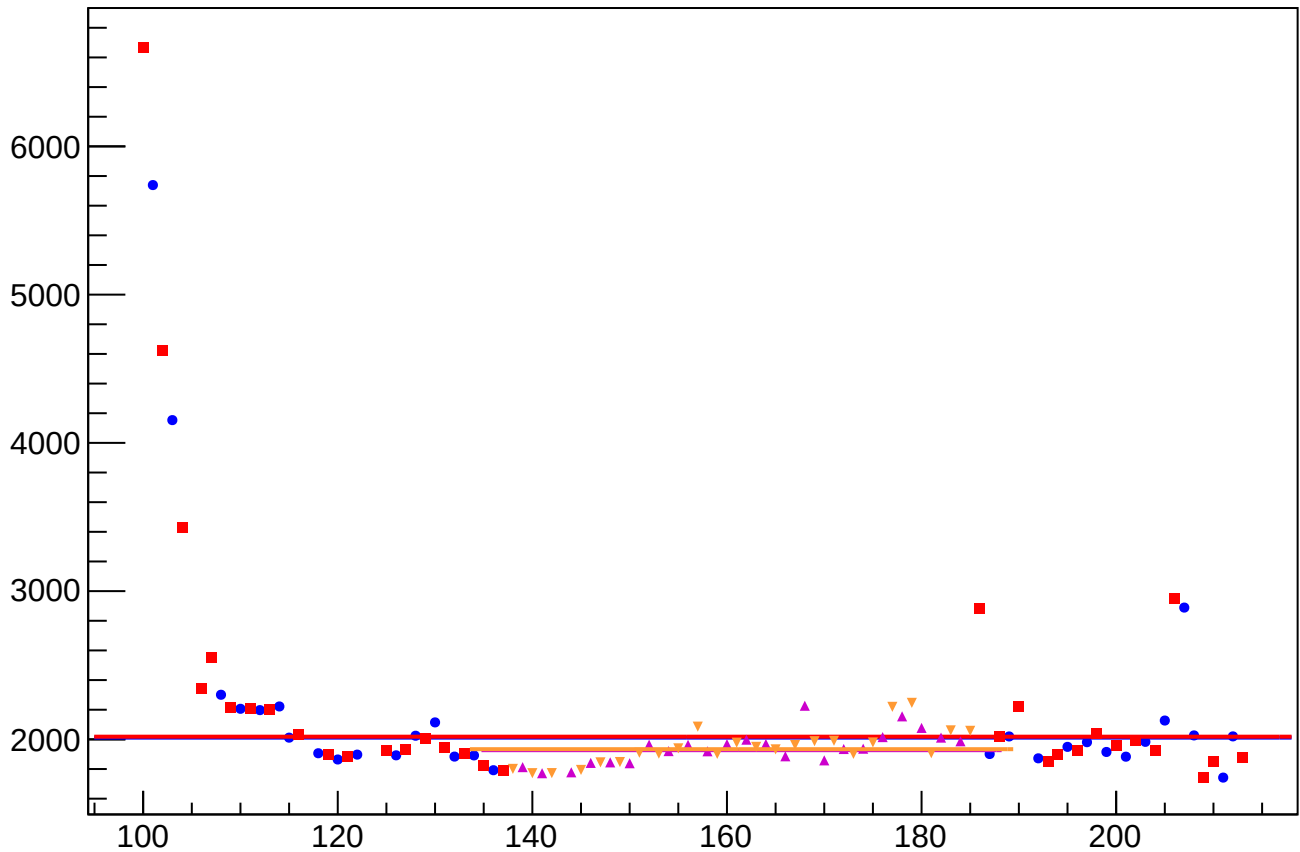
Left In: -25.575 ± 450.755 χ^2/NDF : 20.0/22

+ sign 75.032 ± 331.871 χ^2/NDF : 69.4/52

All: -106.897 ± 233.012 χ^2/NDF : 120.2/107

- sign -283.777 ± 327.234 χ^2/NDF : 50.1/54

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2011.896 $\pm$ 0.348 χ^2 /NDF: 1178551.8/28

Left Out: 1933.804 $\pm$ 0.318 χ^2 /NDF: 128531.8/23

Right Out: 2018.166 $\pm$ 0.336 χ^2 /NDF: 1072177.9/31

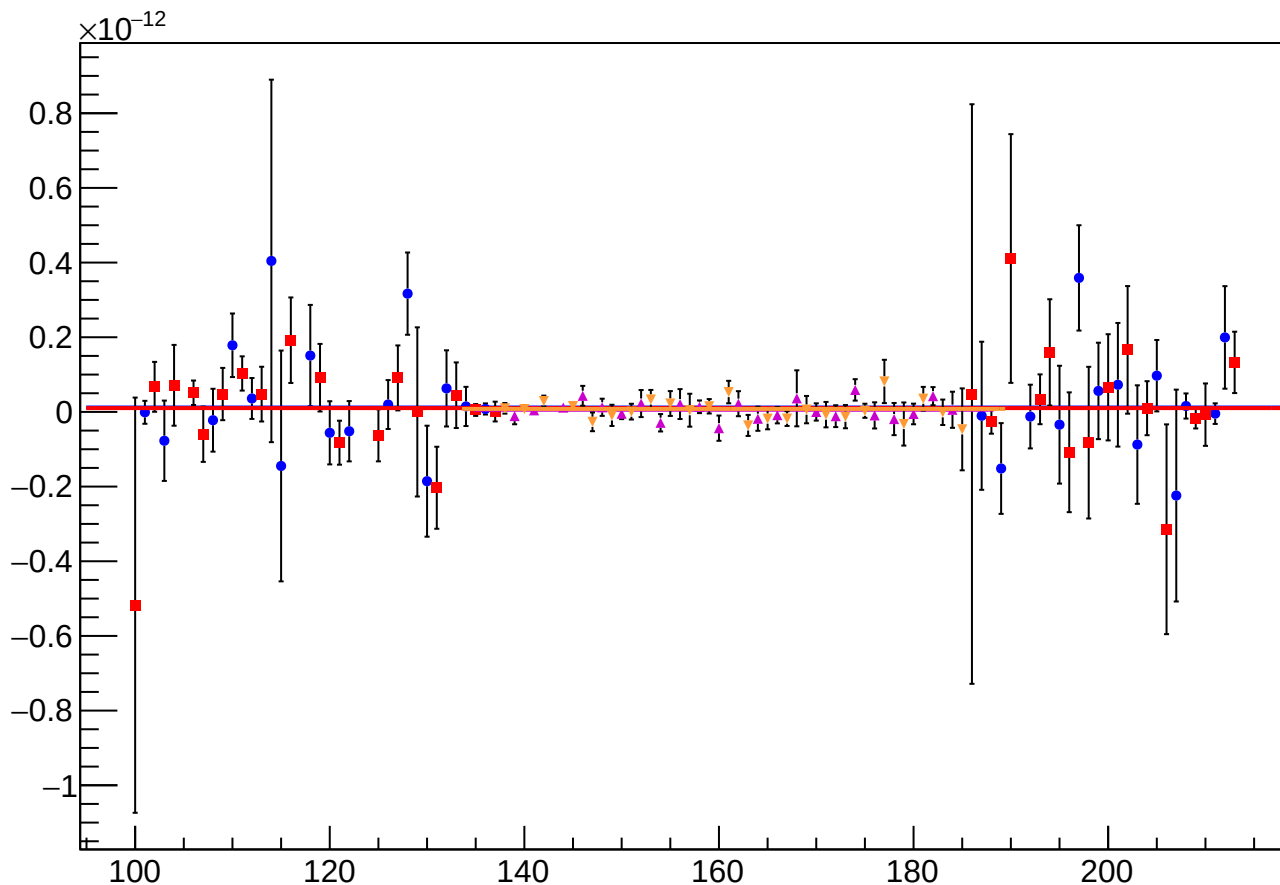
Left In: 1927.125 $\pm$ 0.319 χ^2 /NDF: 116436.1/22

+ sign 1969.375 $\pm$ 0.235 χ^2 /NDF: 1334548.9/52

All: 1969.785 $\pm$ 0.165 χ^2 /NDF: 2561756.7/10

- sign 1970.184 $\pm$ 0.231 χ^2 /NDF: 1227201.8/54

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/31

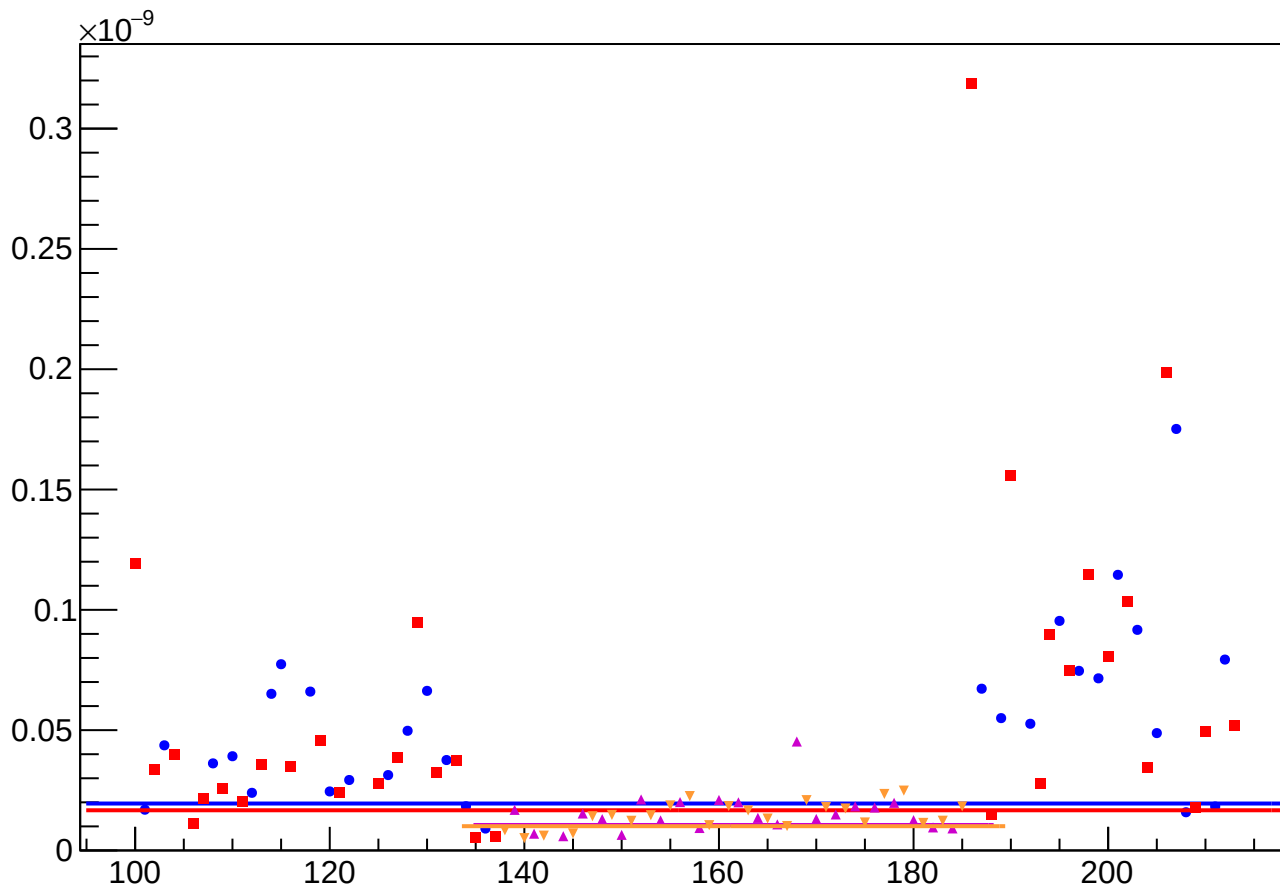
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 96.3/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.3/54

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6079444.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2274817.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7276465.3/31

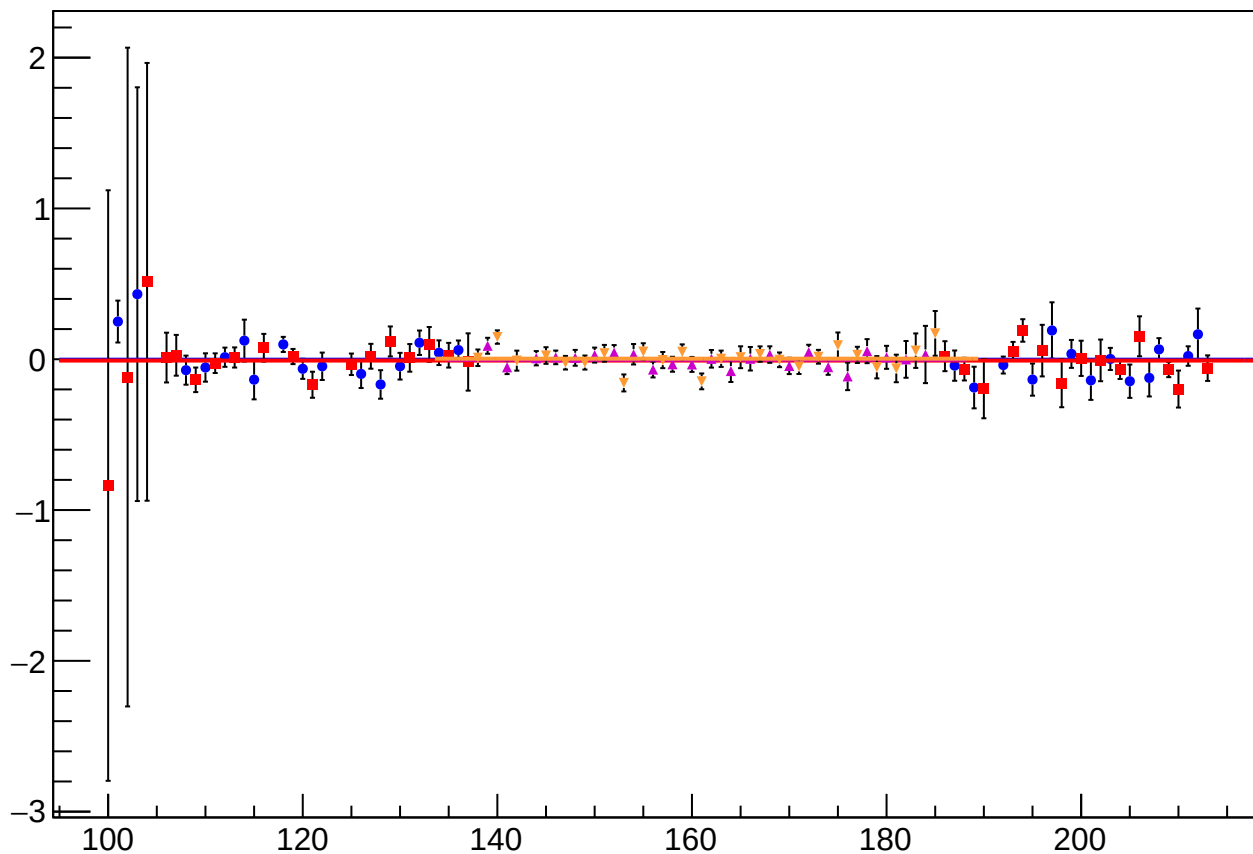
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2578668.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 9879228.8/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 20460020.7/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 10579065.5/54

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.016 χ^2/NDF : 29.7/28

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.016 χ^2/NDF : 27.9/31

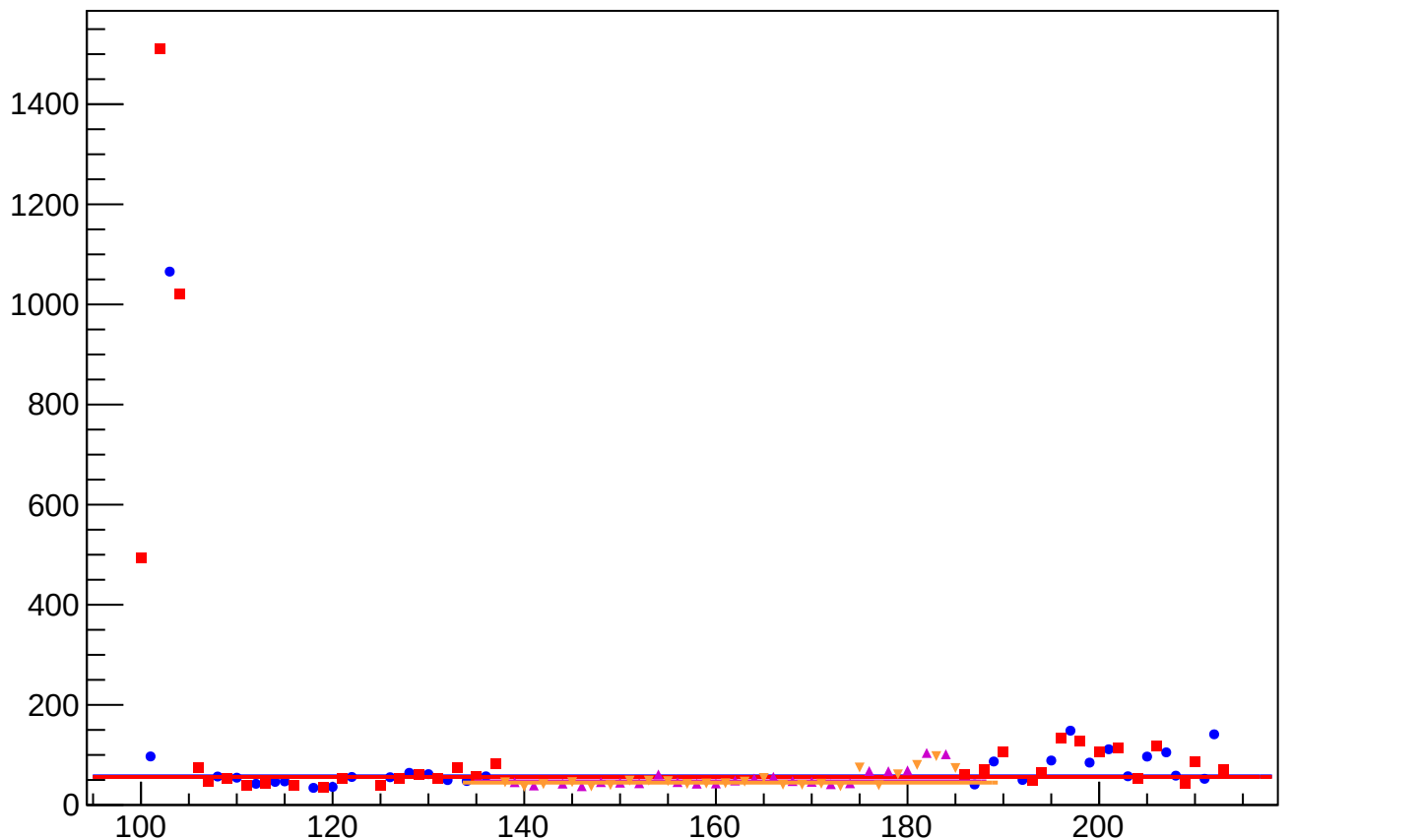
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.002 ± 0.009 χ^2/NDF : 64.8/52

All: -0.002 ± 0.007 χ^2/NDF : 107.5/107

- sign -0.005 ± 0.010 χ^2/NDF : 42.5/54

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 57.203 $\pm$ 0.011 χ^2 /NDF: 4472185.1/28

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF:1481436.4/23

Right Out: 56.023 $\pm$ 0.011 χ^2 /NDF: 5269827.5/31

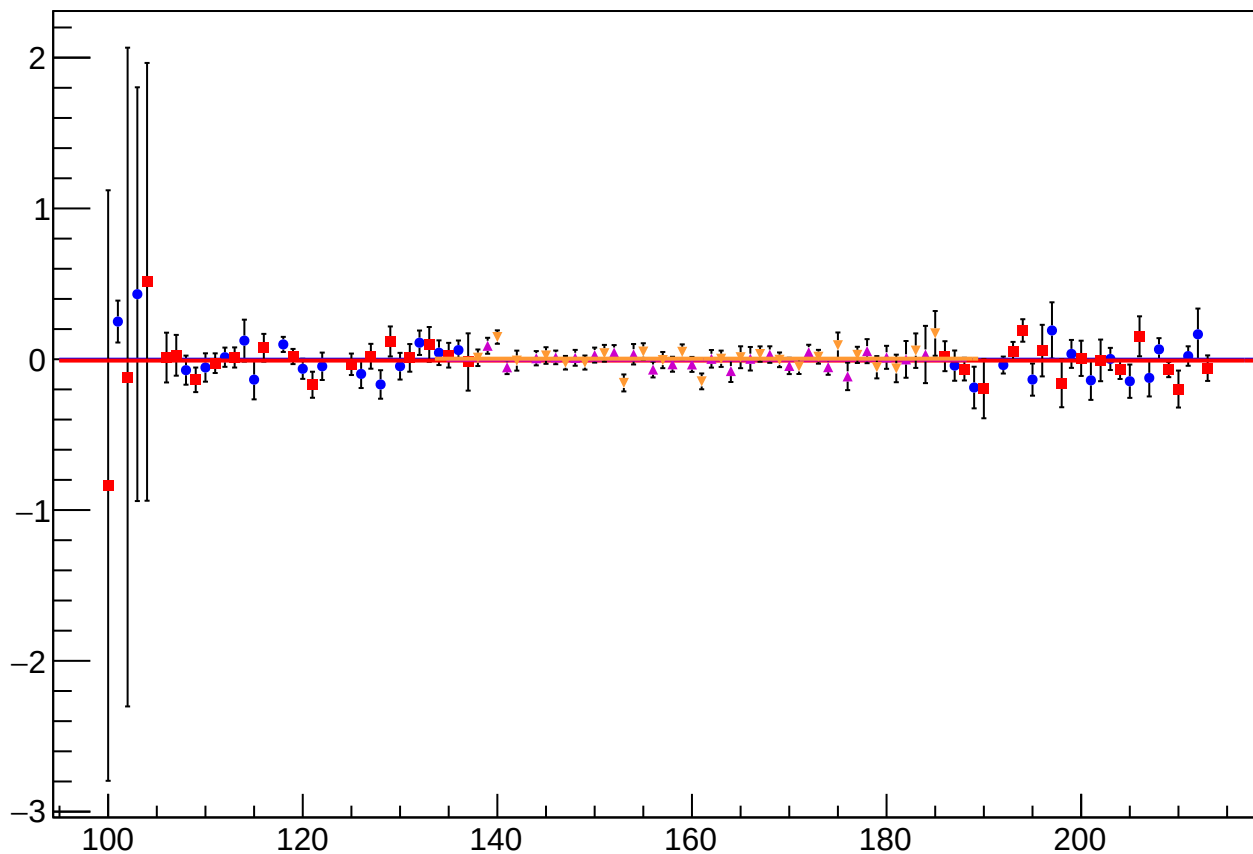
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF:1383050.4/22

+ sign 48.926 $\pm$ 0.007 χ^2 /NDF: 6743554.2/52

All: 49.610 $\pm$ 0.005 χ^2 /NDF: 13831891.9/107

- sign 50.315 $\pm$ 0.007 χ^2 /NDF: 7066735.1/54

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.016 χ^2/NDF : 29.7/28

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.016 χ^2/NDF : 27.9/31

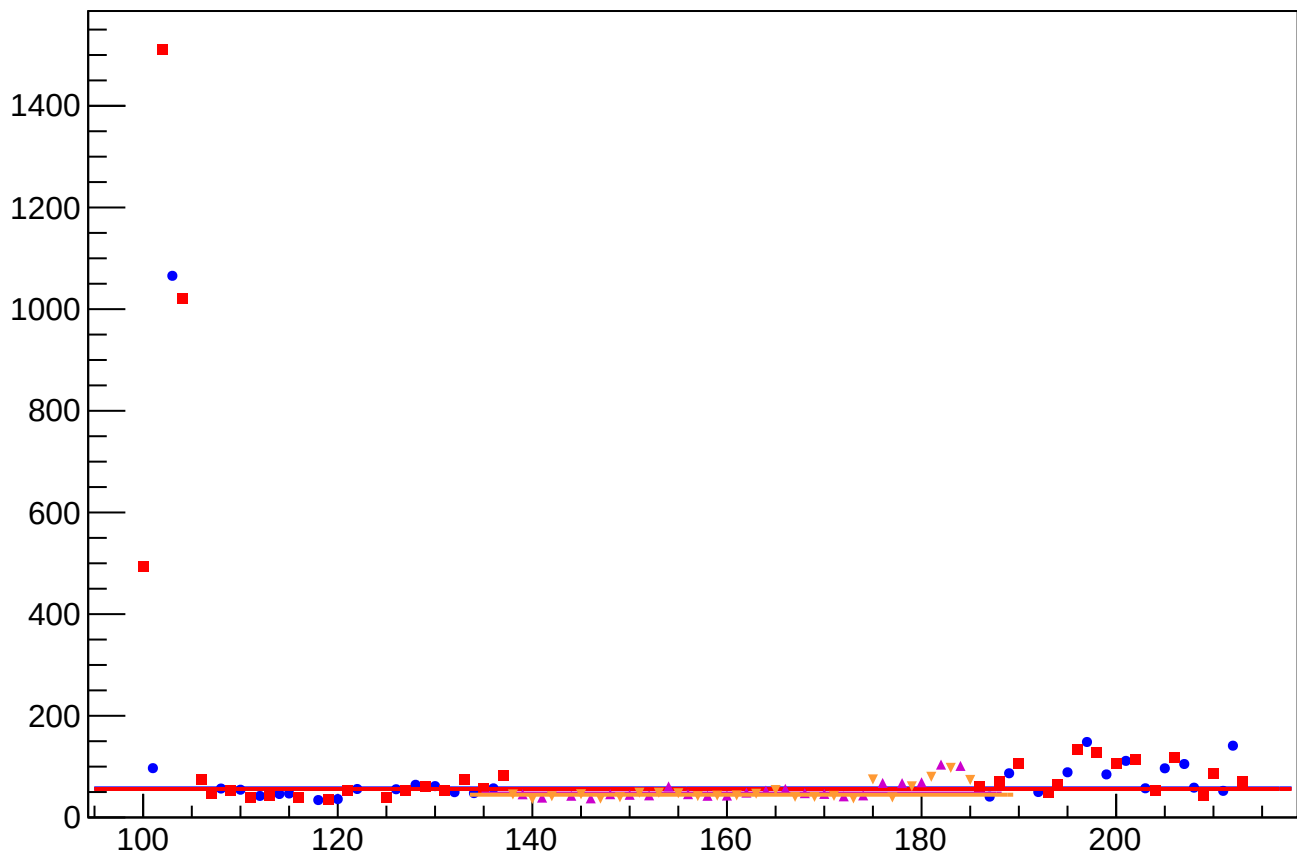
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.002 ± 0.009 χ^2/NDF : 64.8/52

All: -0.002 ± 0.007 χ^2/NDF : 107.5/107

- sign -0.005 ± 0.010 χ^2/NDF : 42.5/54

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 57.203+/-0.011 χ^2/NDF : 4472185.1/28

Left Out: 44.733+/-0.008 χ^2/NDF : 1481436.4/23

Right Out: 56.023+/-0.011 χ^2/NDF : 5269827.5/31

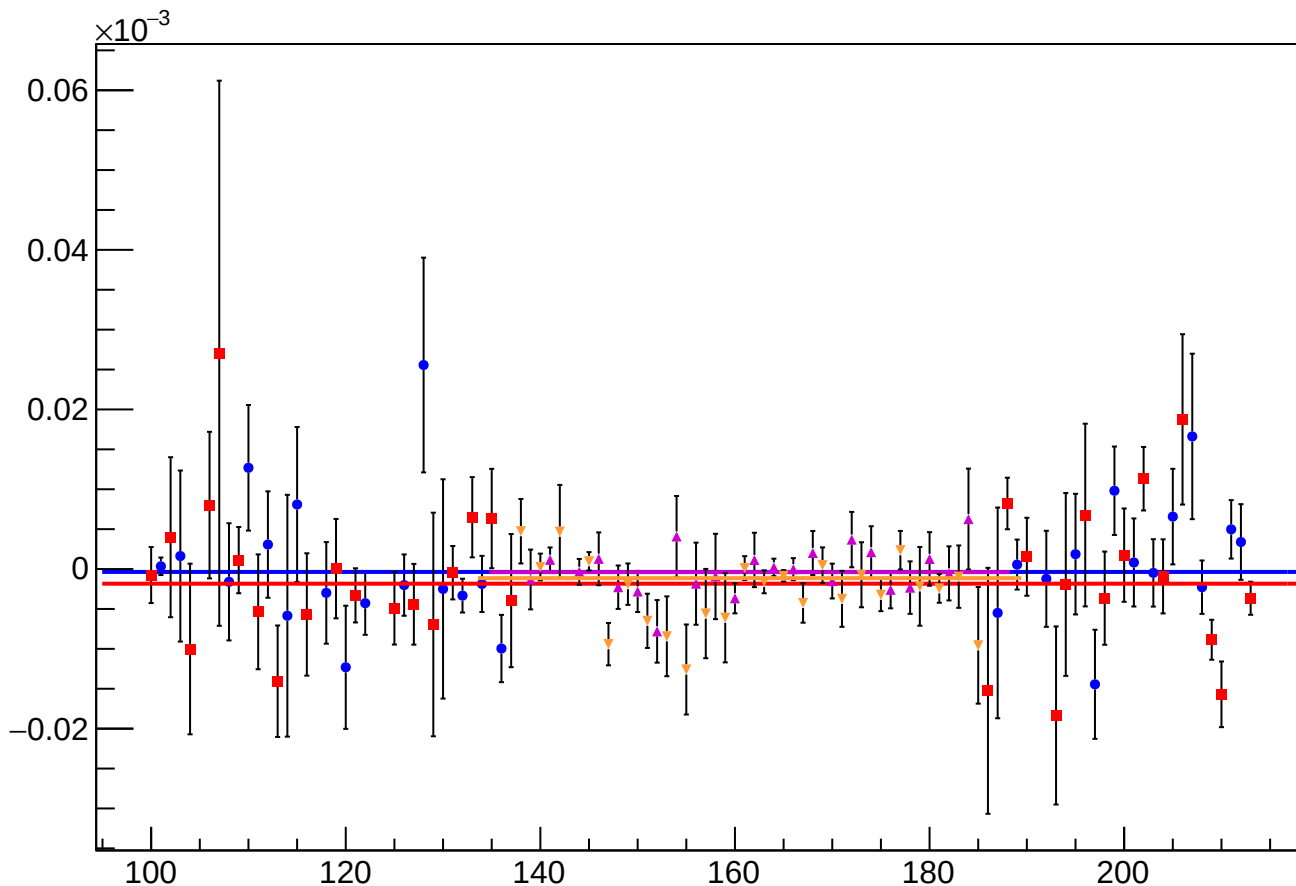
Left In: 47.033+/-0.008 χ^2/NDF : 1383050.4/22

+ sign 48.926+/-0.007 χ^2/NDF : 6743554.2/52

All: 49.610+/-0.005 χ^2/NDF : 13831891.9/107

- sign 50.315+/-0.007 χ^2/NDF : 7066735.1/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.3/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 61.6/31

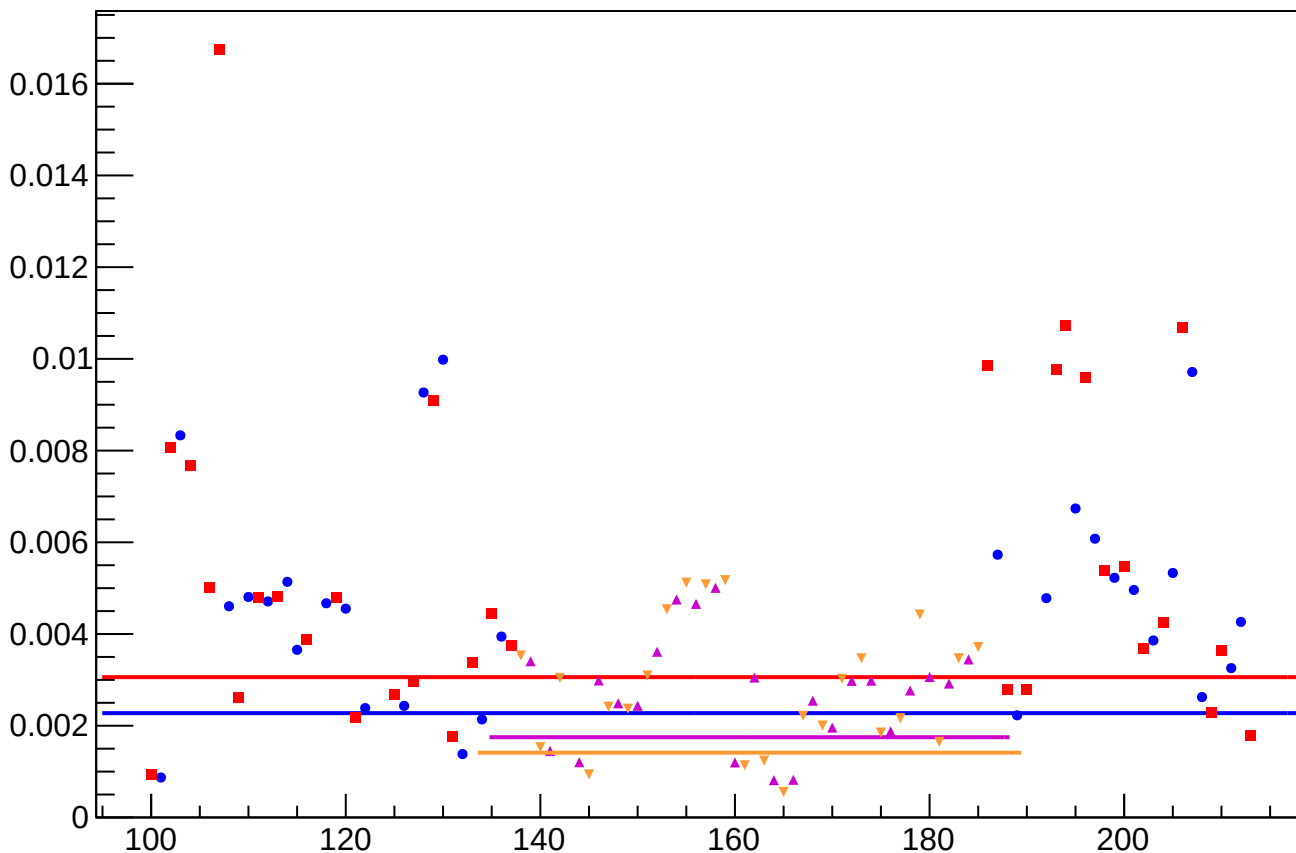
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 70.9/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 151.2/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.1/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 12181986.0/28

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 11586658.8/23

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 8906896.3/31

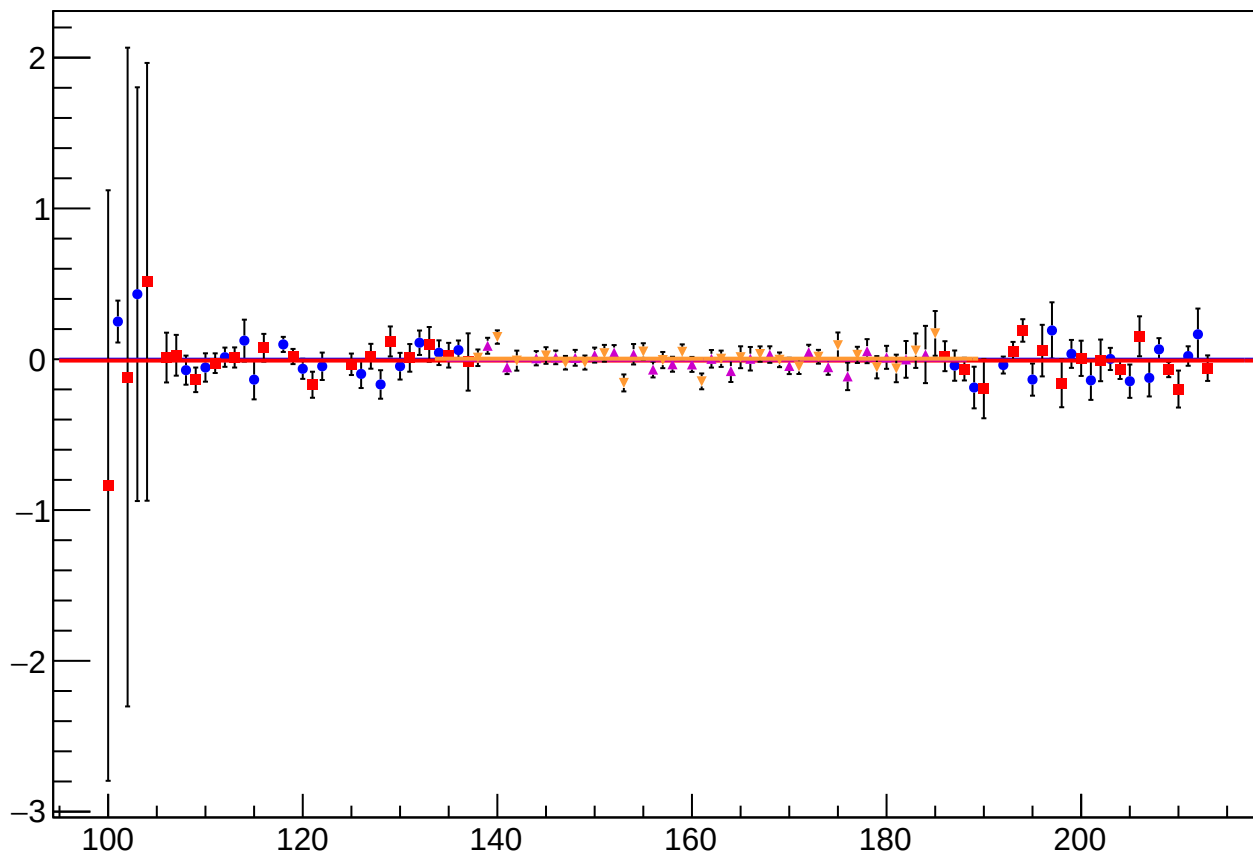
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 8238945.3/22

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 25988792.4/52

All: 0.002 $\pm$ 0.000 χ^2/NDF : 48041273.2/107

- sign 0.002 $\pm$ 0.000 χ^2/NDF : 20729454.1/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003 ± 0.016 χ^2/NDF : 29.7/28

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.016 χ^2/NDF : 27.9/31

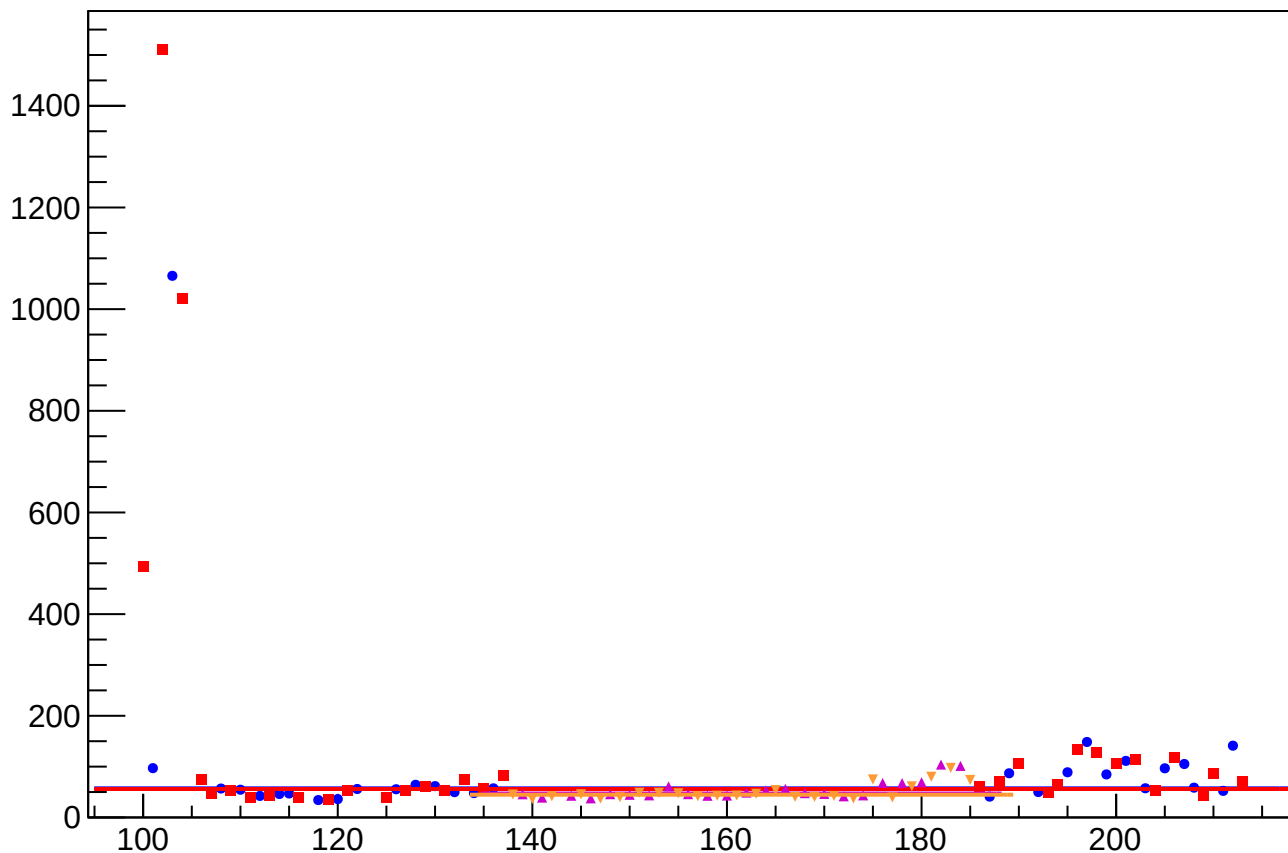
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.002 ± 0.009 χ^2/NDF : 64.8/52

All: -0.002 ± 0.007 χ^2/NDF : 107.5/107

- sign -0.005 ± 0.010 χ^2/NDF : 42.5/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 57.202 $\pm$ 0.011 χ^2 /NDF: 4472263.6/28

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF:1481436.0/23

Right Out: 56.022 $\pm$ 0.011 χ^2 /NDF: 5270017.3/31

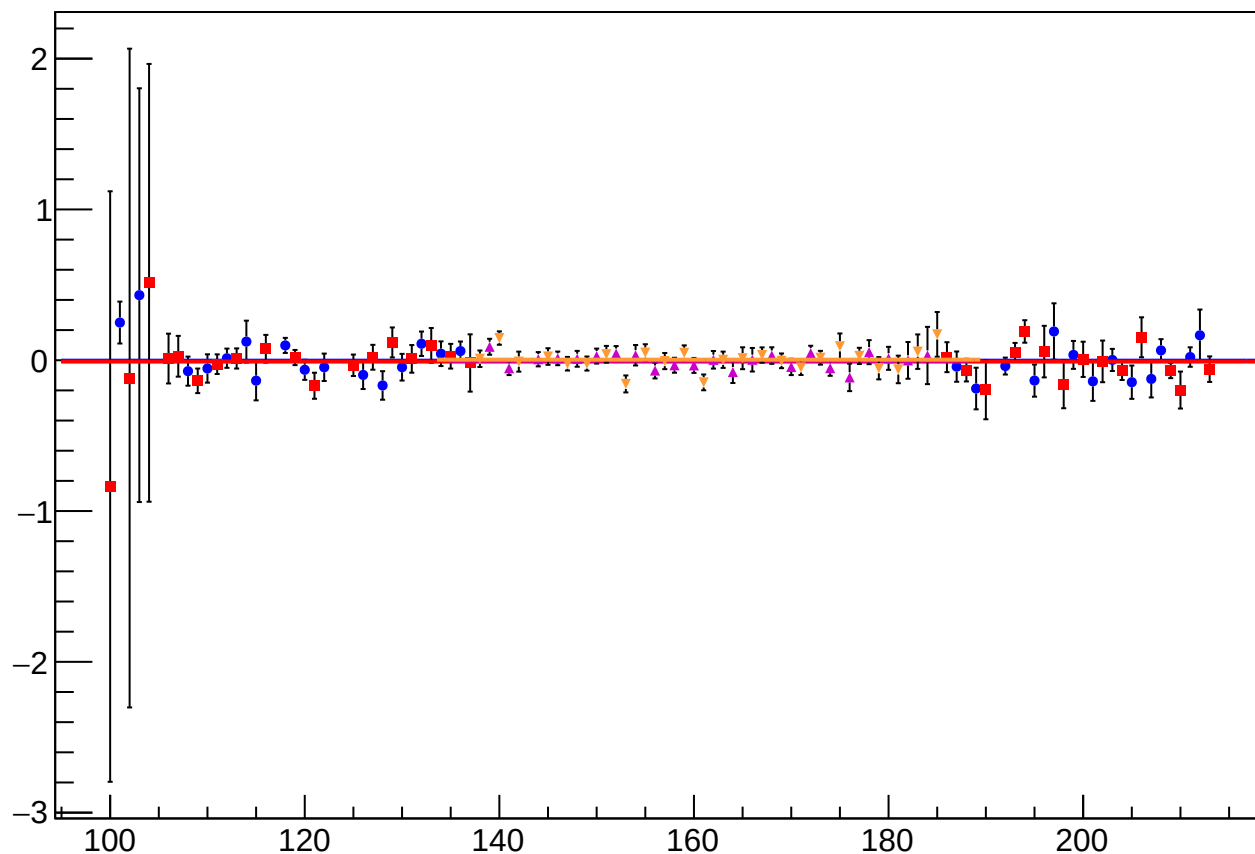
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF:1383121.1/22

+ sign 48.926 $\pm$ 0.007 χ^2 /NDF: 6743557.5/52

All: 49.610 $\pm$ 0.005 χ^2 /NDF: 13832085.1/107

- sign 50.314 $\pm$ 0.007 χ^2 /NDF: 7066939.0/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003 ± 0.016 χ^2/NDF : 29.7/28

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.016 χ^2/NDF : 27.9/31

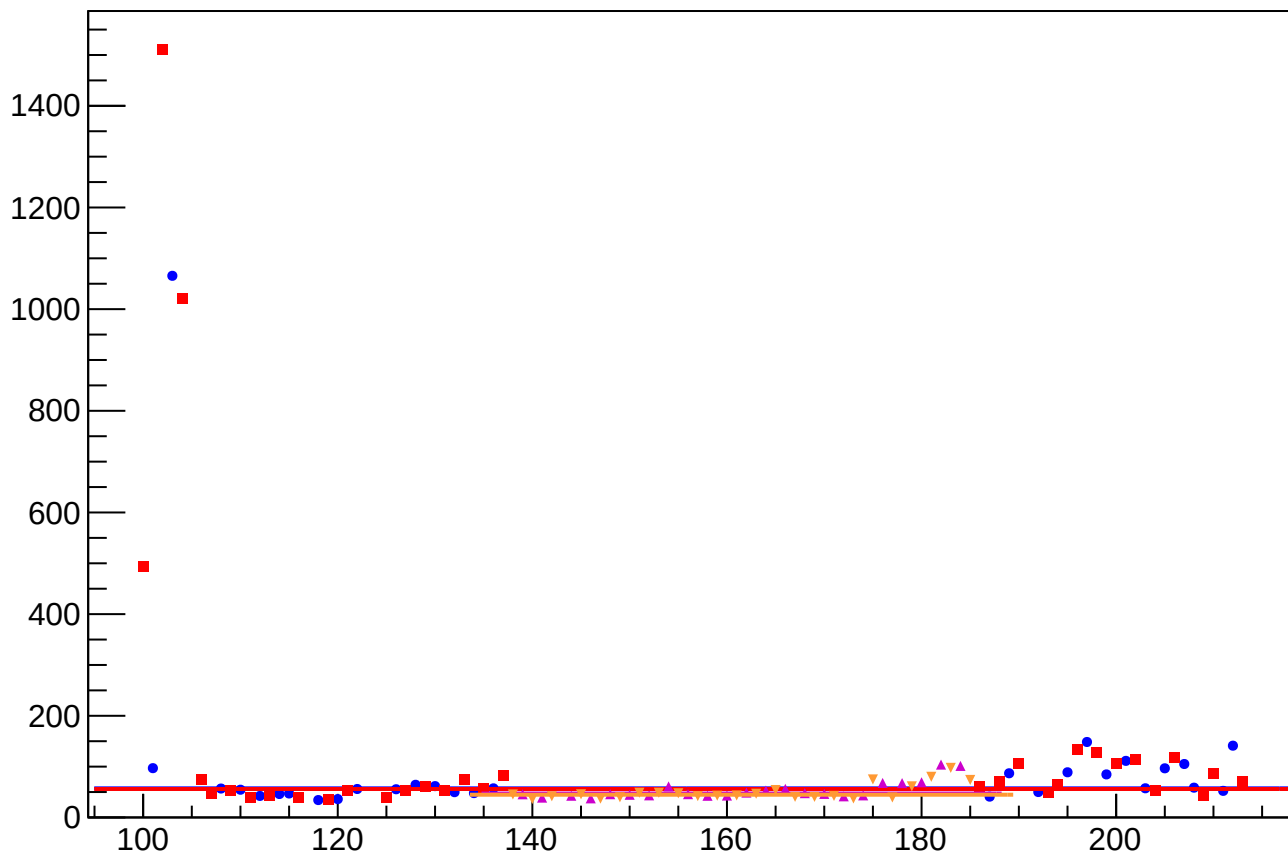
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.002 ± 0.009 χ^2/NDF : 64.8/52

All: -0.002 ± 0.007 χ^2/NDF : 107.5/107

- sign -0.005 ± 0.010 χ^2/NDF : 42.5/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 57.202 $\pm$ 0.011 χ^2 /NDF: 4472263.6/28

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.0/23

Right Out: 56.022 $\pm$ 0.011 χ^2 /NDF: 5270017.3/31

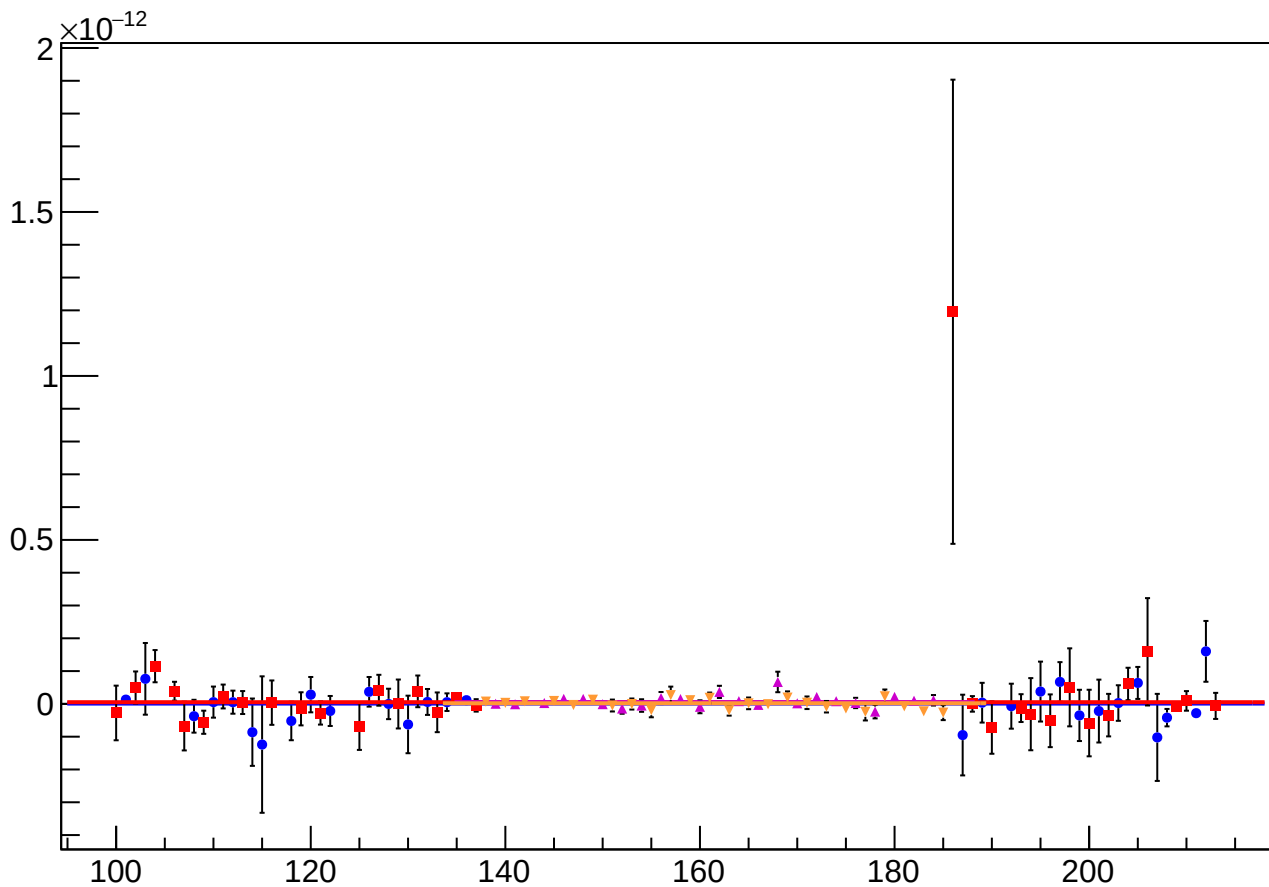
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383121.1/22

+ sign 48.926 $\pm$ 0.007 χ^2 /NDF: 6743557.5/52

All: 49.610 $\pm$ 0.005 χ^2 /NDF: 13832085.1/107

- sign 50.314 $\pm$ 0.007 χ^2 /NDF: 7066939.0/54

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 20.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 25.6/31

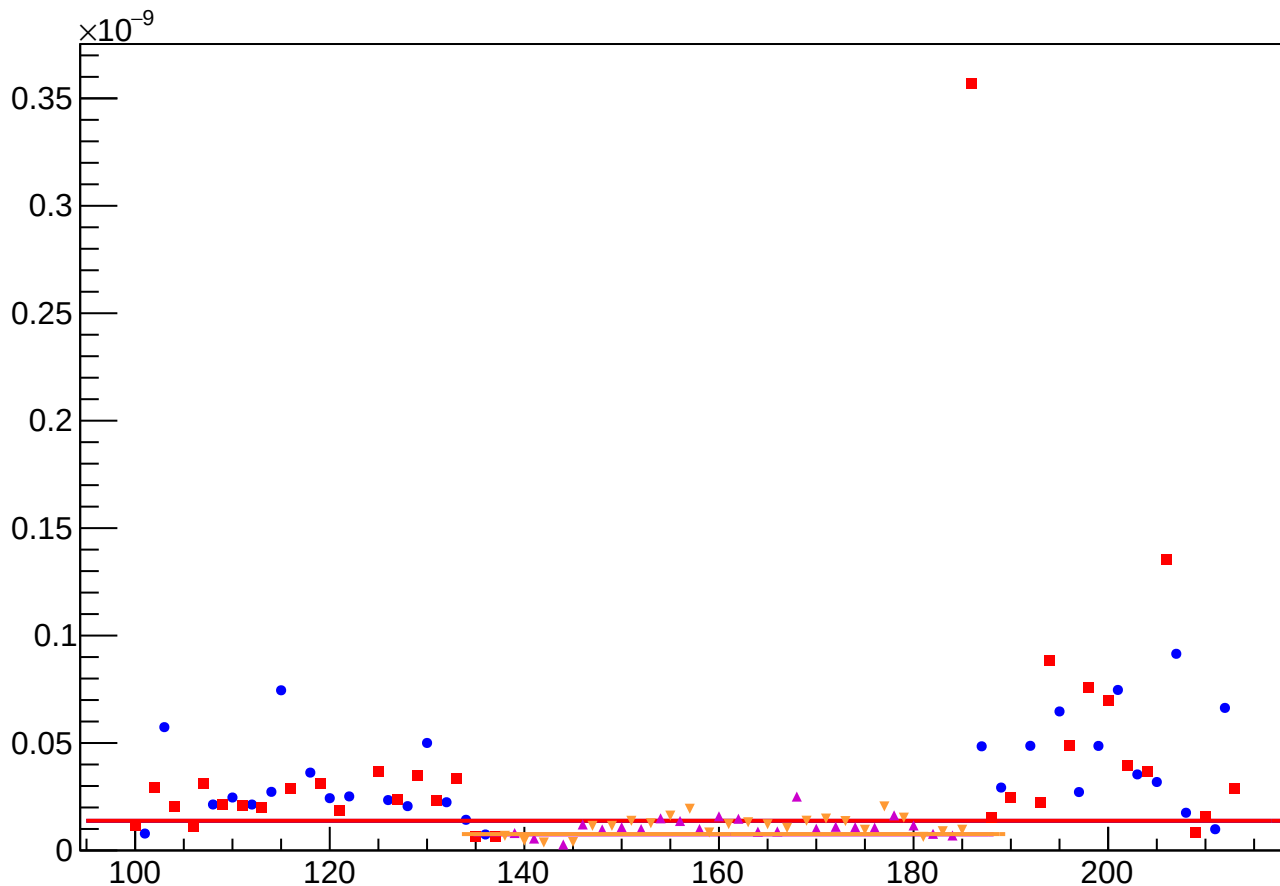
Left In: 0.000+/-0.000 χ^2/NDF : 17.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41.7/52

All: 0.000+/-0.000 χ^2/NDF : 86.4/107

- sign 0.000+/-0.000 χ^2/NDF : 43.5/54

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7955063.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:5568430.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8587597.3/31

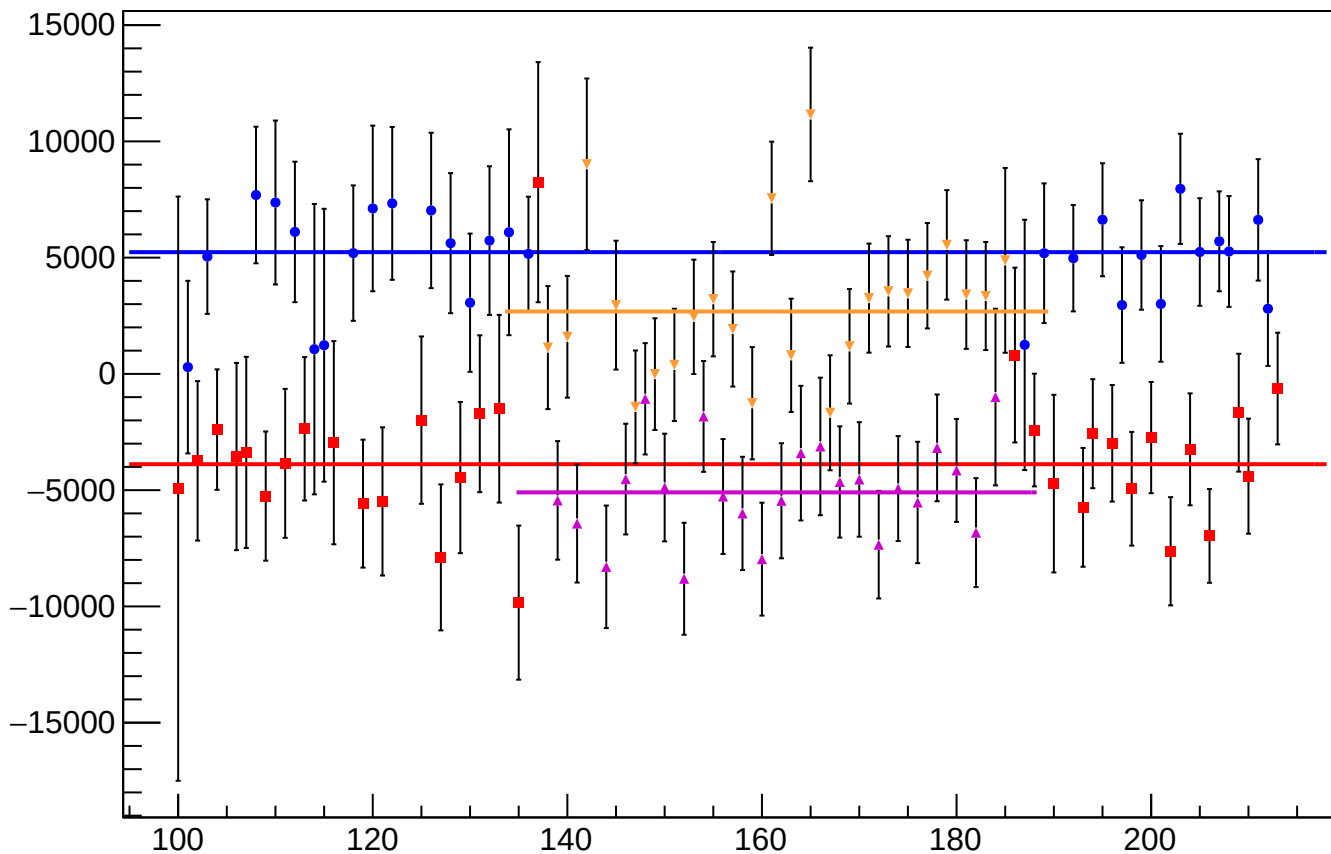
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:5978033.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15517831.5/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32266673.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16745928.8/54

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5235.539 $\pm$ 527.491 χ^2/NDF : 10.6/28

Left Out: 2682.870 $\pm$ 512.020 χ^2/NDF :30.8/23

Right Out: -3884.474 $\pm$ 515.071 χ^2/NDF : 24.0/31

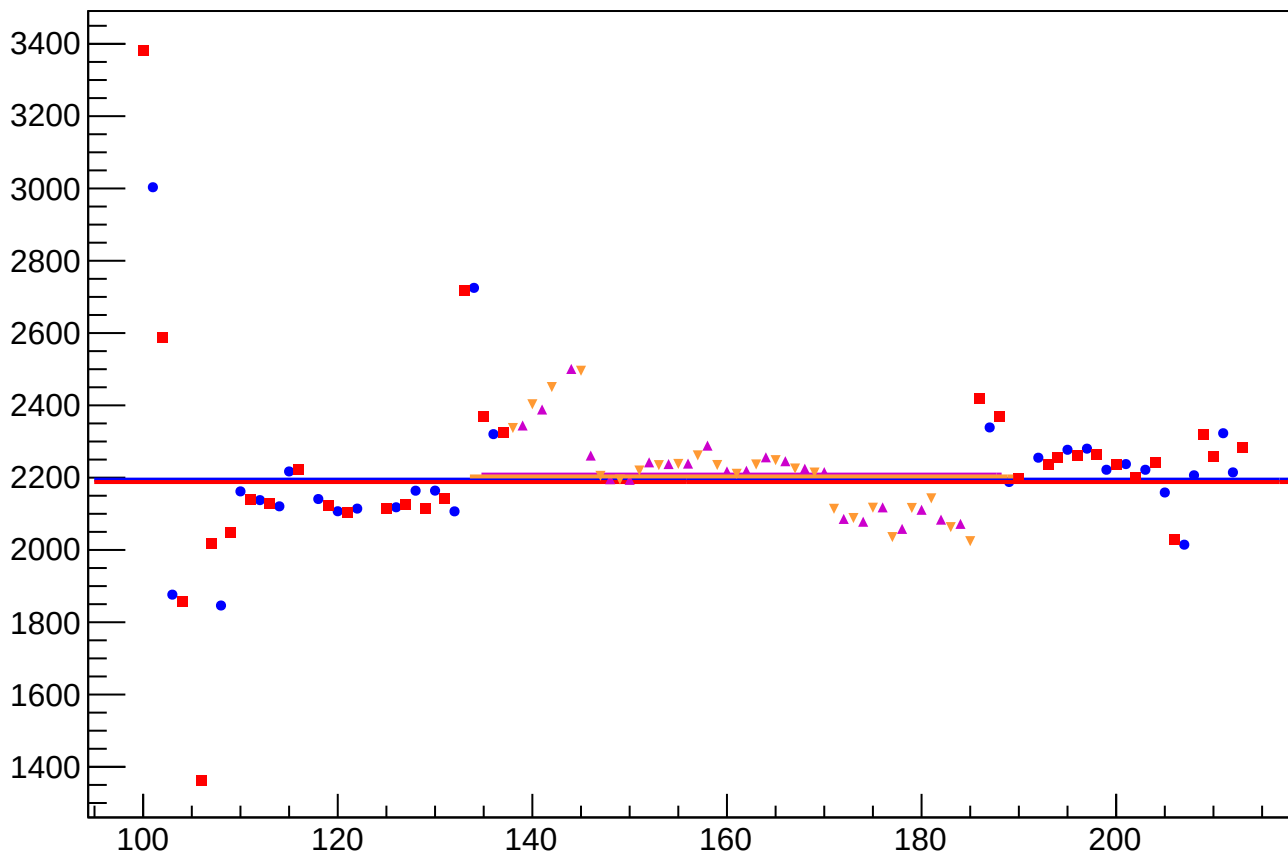
Left In: -5096.427 $\pm$ 516.232 χ^2/NDF :14.9/22

+ sign 3921.222 $\pm$ 367.401 χ^2/NDF : 53.5/52

All: -315.879 $\pm$ 258.803 χ^2/NDF : 359.1/107

- sign -4489.086 $\pm$ 364.620 χ^2/NDF : 41.7/54

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2194.527 $\pm$ 0.373 χ^2 /NDF: 225874.5/28

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2187.869 $\pm$ 0.362 χ^2 /NDF: 335969.9/31

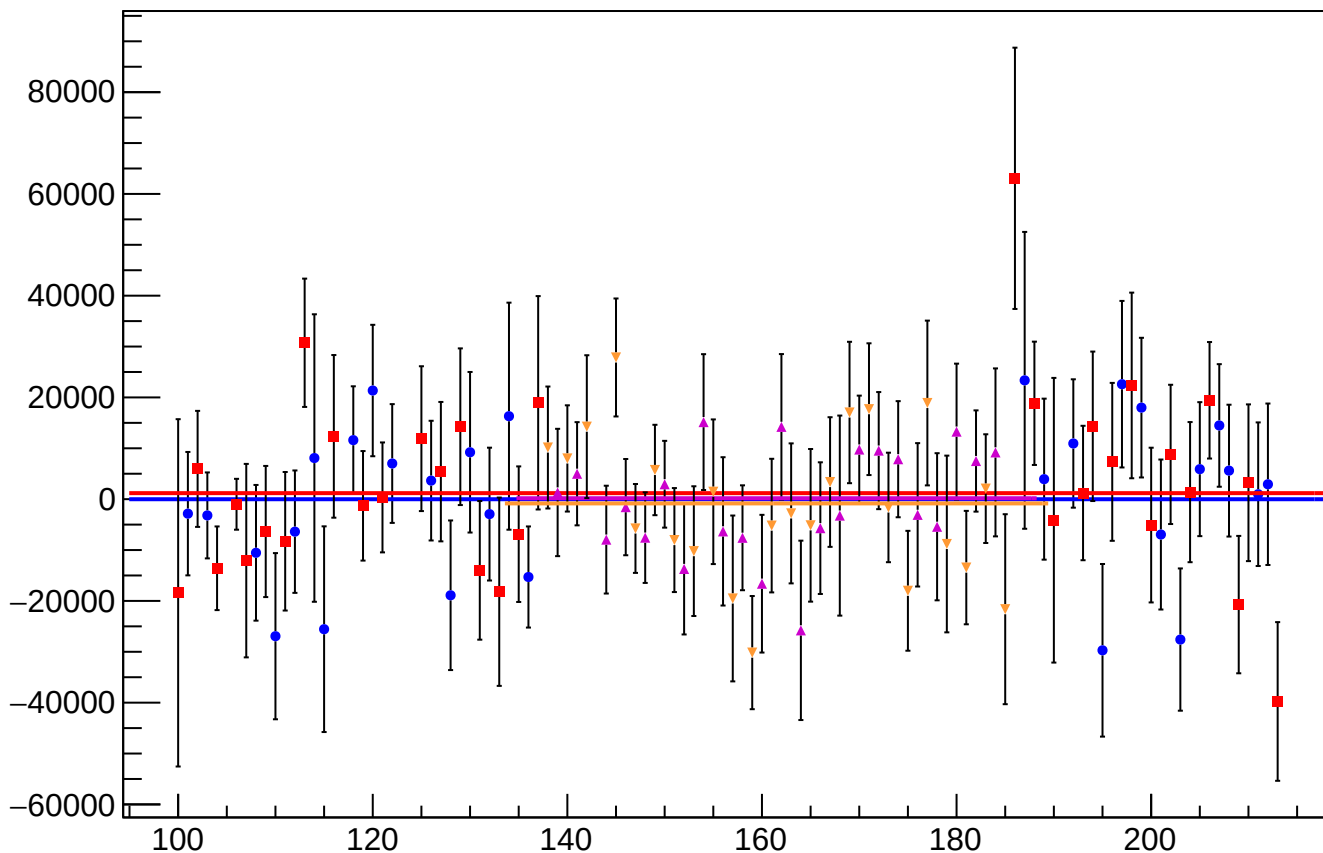
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2199.042 $\pm$ 0.260 χ^2 /NDF: 314367.4/52

All: 2198.533 $\pm$ 0.183 χ^2 /NDF: 732931.6/107

- sign 2198.034 $\pm$ 0.257 χ^2 /NDF: 418556.6/54

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



Right In: -12.077 ± 2514.127 χ^2/NDF : 29.0/28

Left Out: -833.485 ± 2481.469 χ^2/NDF : 29.5/23

Right Out: 1184.206 ± 2241.138 χ^2/NDF : 38.9/31

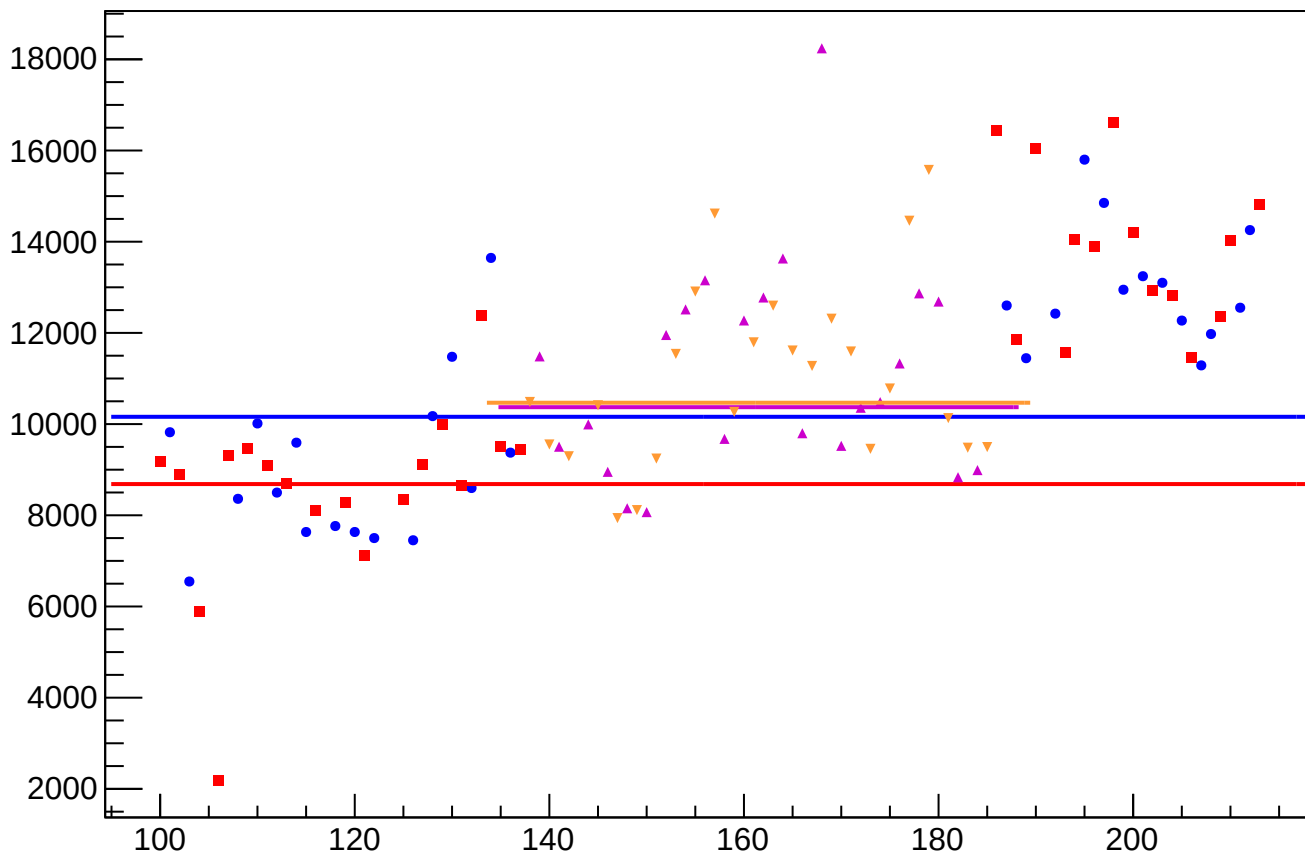
Left In: 182.426 ± 2471.223 χ^2/NDF : 13.8/22

+ sign -428.151 ± 1766.097 χ^2/NDF : 58.5/52

All: 187.834 ± 1209.614 χ^2/NDF : 111.5/107

- sign 732.112 ± 1660.122 χ^2/NDF : 52.8/54

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 10160.000 $\pm$ 1.778 χ^2/NDF : 2000357.5/28

Left Out: 10468.677 $\pm$ 1.755 χ^2/NDF : 1045257.2/23

Right Out: 8684.641 $\pm$ 1.585 χ^2/NDF : 6656755.1/31

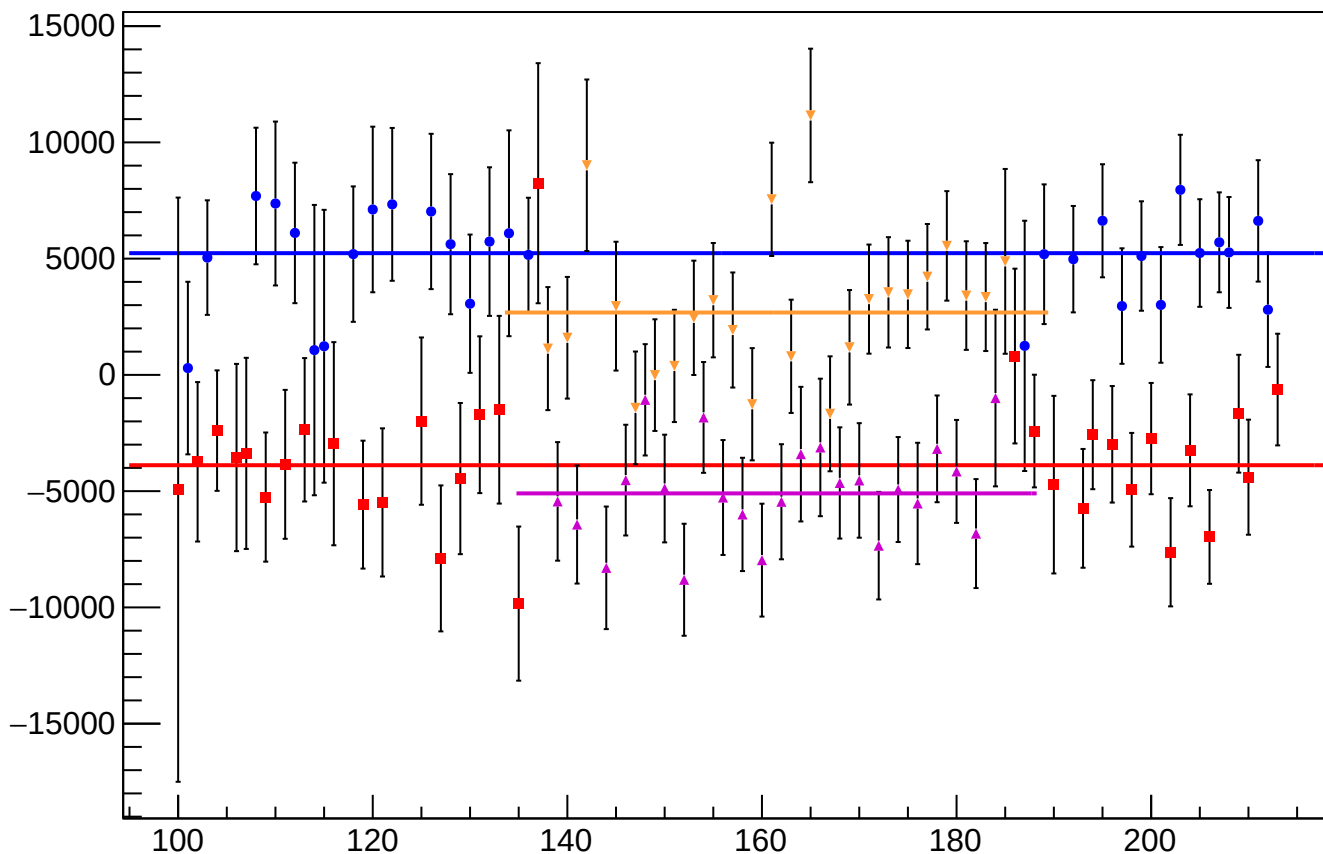
Left In: 10370.895 $\pm$ 1.747 χ^2/NDF : 1203758.1/22

+ sign 10316.356 $\pm$ 1.249 χ^2/NDF : 3060885.9/52

All: 9854.088 $\pm$ 0.855 χ^2/NDF : 11690461.9/100

- sign 9445.631 $\pm$ 1.174 χ^2/NDF : 8371482.6/54

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5235.603 $\pm$ 527.491 χ^2 /NDF: 10.6/28

Left Out: 2682.792 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -3884.400 $\pm$ 515.071 χ^2 /NDF: 24.0/31

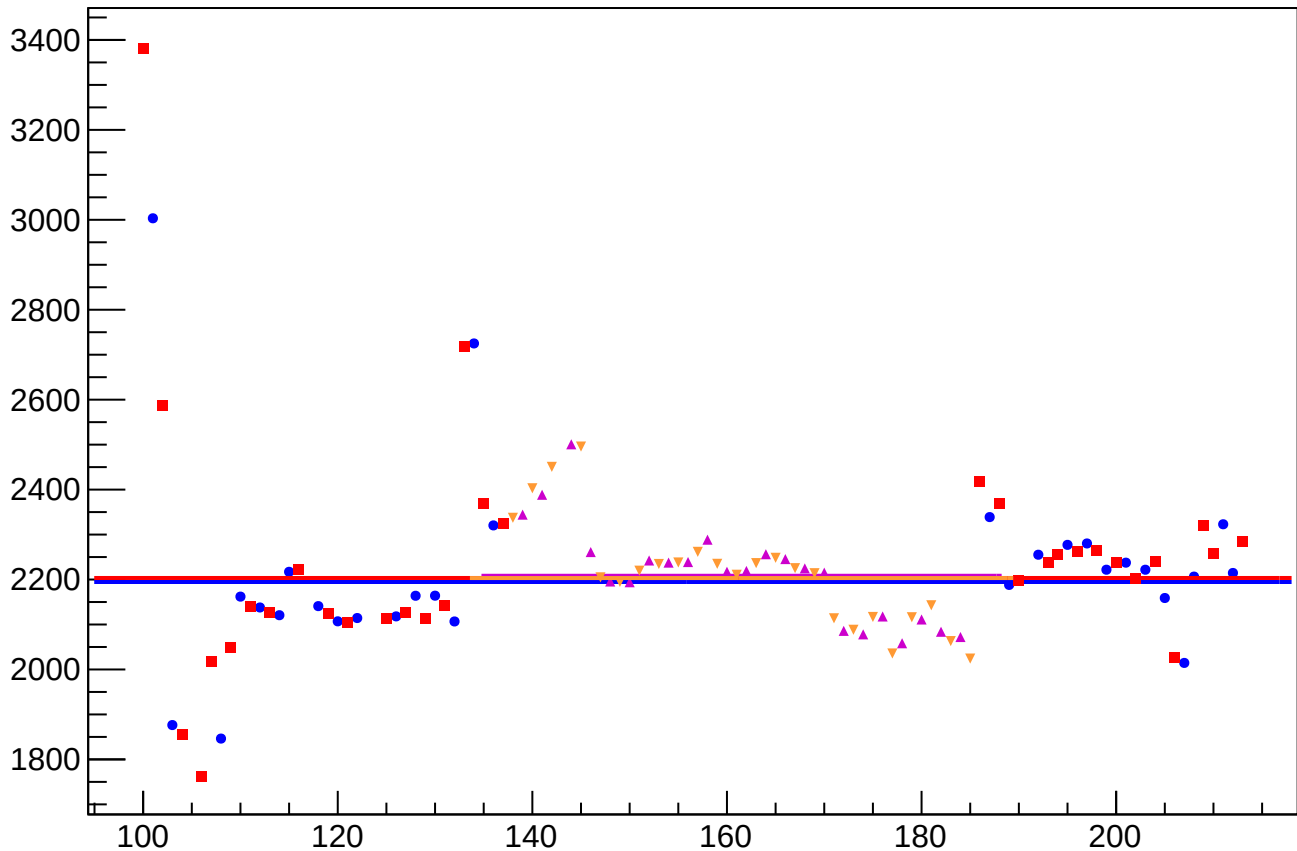
Left In: -5096.334 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3921.213 $\pm$ 367.401 χ^2 /NDF: 53.5/52

All: -315.842 $\pm$ 258.803 χ^2 /NDF: 359.1/107

- sign -4489.002 $\pm$ 364.620 χ^2 /NDF: 41.7/54

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2194.527 $\pm$ 0.373 χ^2 /NDF: 225874.9/28

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2203.466 $\pm$ 0.363 χ^2 /NDF: 210696.7/31

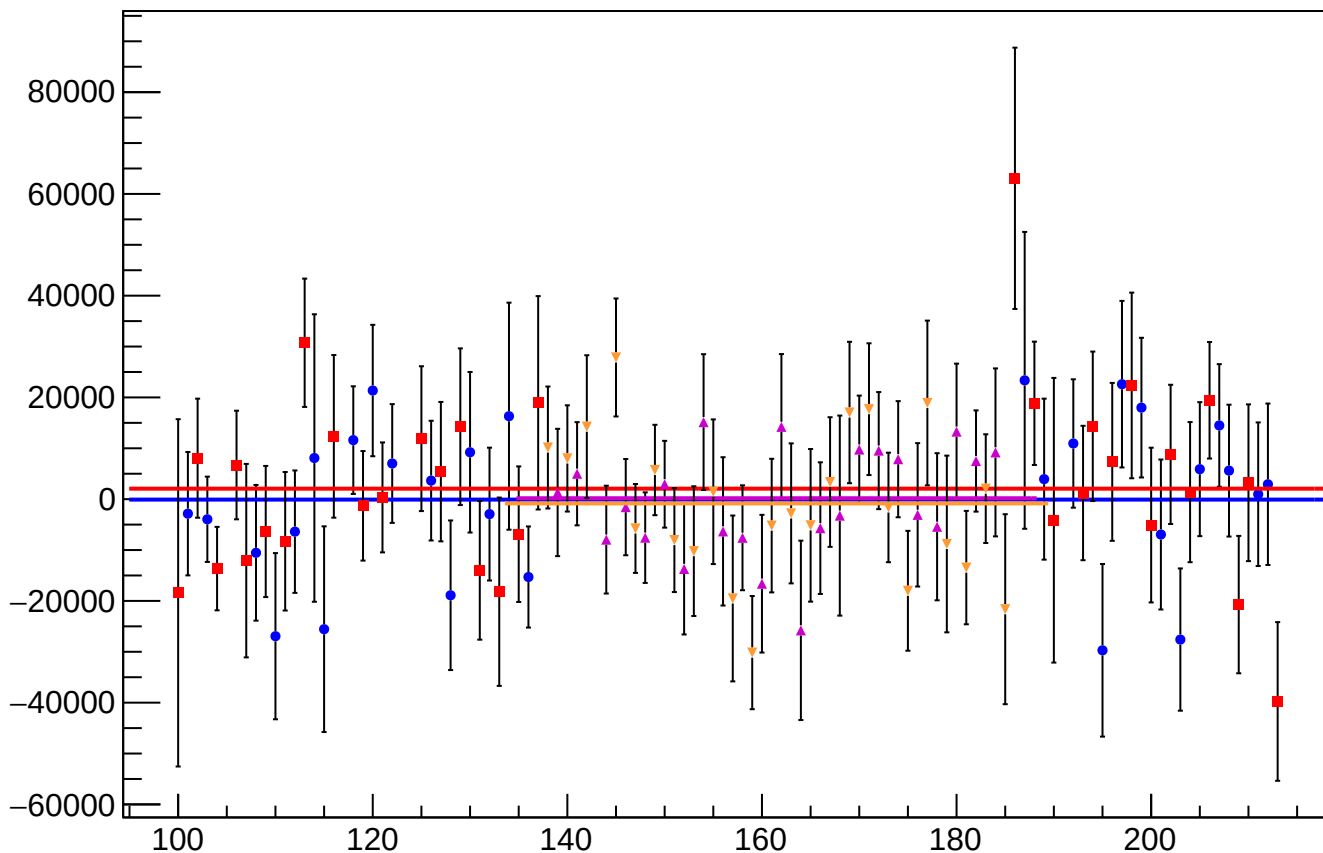
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2199.042 $\pm$ 0.260 χ^2 /NDF: 314367.8/52

All: 2202.507 $\pm$ 0.183 χ^2 /NDF: 606502.4/107

- sign 2205.912 $\pm$ 0.258 χ^2 /NDF: 291782.0/54

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -84.985 ± 2512.414 χ^2/NDF : 29.1/28

Left Out: -833.458 ± 2481.469 χ^2/NDF : 29.5/23

Right Out: 2064.666 ± 2443.000 χ^2/NDF : 39.1/31

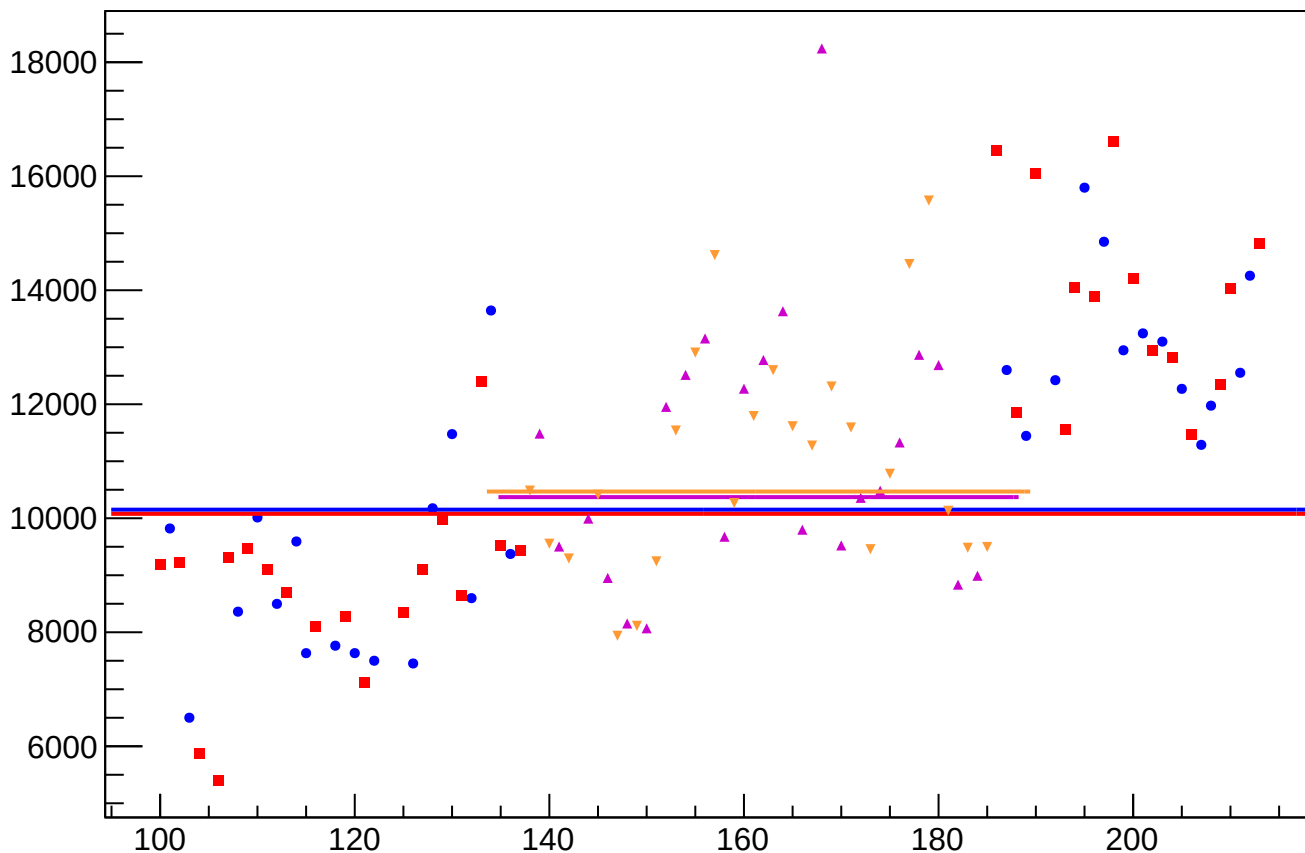
Left In: 182.360 ± 2471.221 χ^2/NDF : 13.8/22

+ sign -463.860 ± 1765.502 χ^2/NDF : 58.6/52

All: 348.074 ± 1238.327 χ^2/NDF : 112.1/107

- sign 1134.322 ± 1737.354 χ^2/NDF : 53.1/54

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 10150.815+/-1.777 χ^2/NDF : 2015729.7/28

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 10077.495+/-1.727 χ^2/NDF : 2818555.3/31

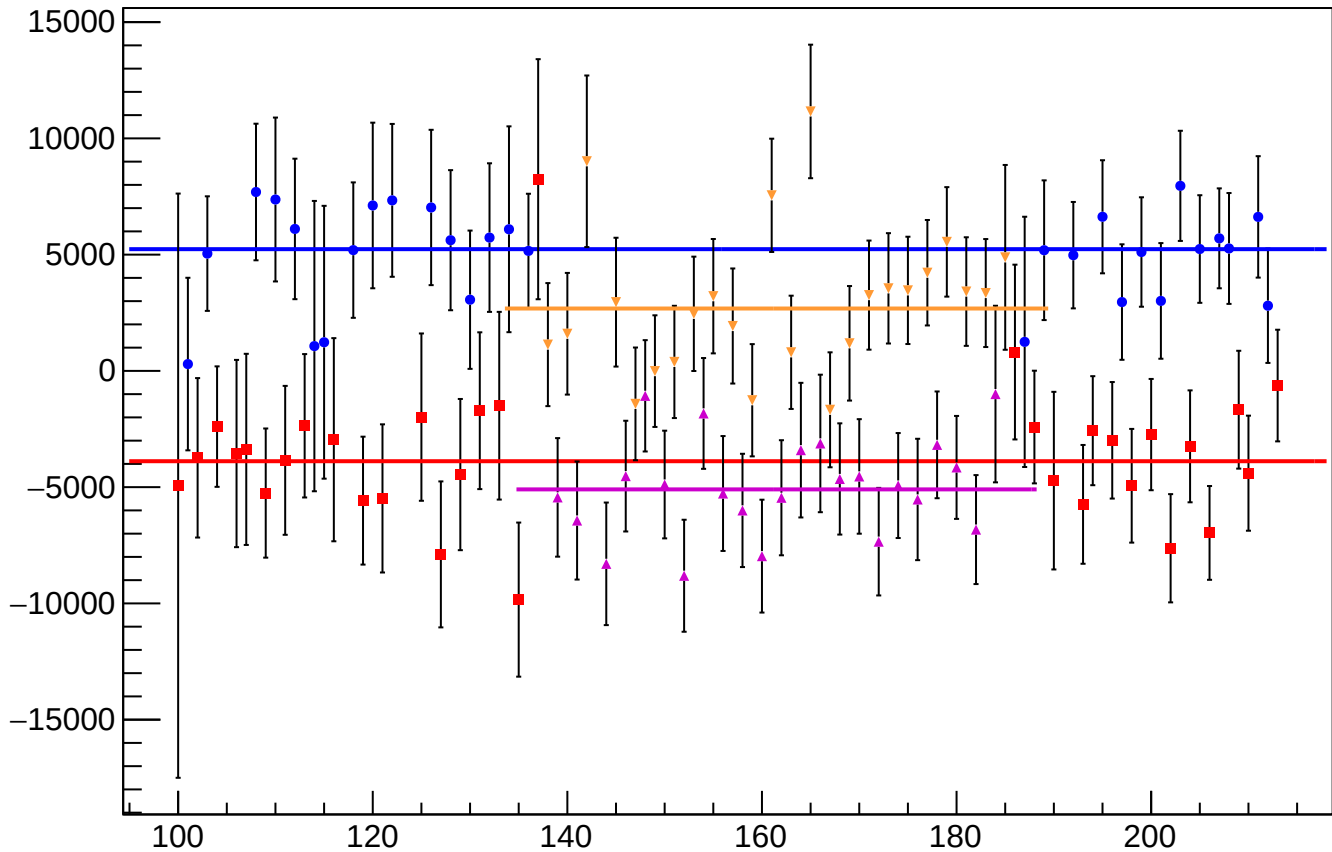
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 10311.715+/-1.248 χ^2/NDF : 3077192.9/52

All: 10266.394+/-0.876 χ^2/NDF : 7116363.4/100

- sign 10222.506+/-1.228 χ^2/NDF : 4036576.3/54

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5235.603 $\pm$ 527.491 χ^2/NDF : 10.6/28

Left Out: 2682.792 $\pm$ 512.020 χ^2/NDF : 30.8/23

Right Out: -3884.400 $\pm$ 515.071 χ^2/NDF : 24.0/31

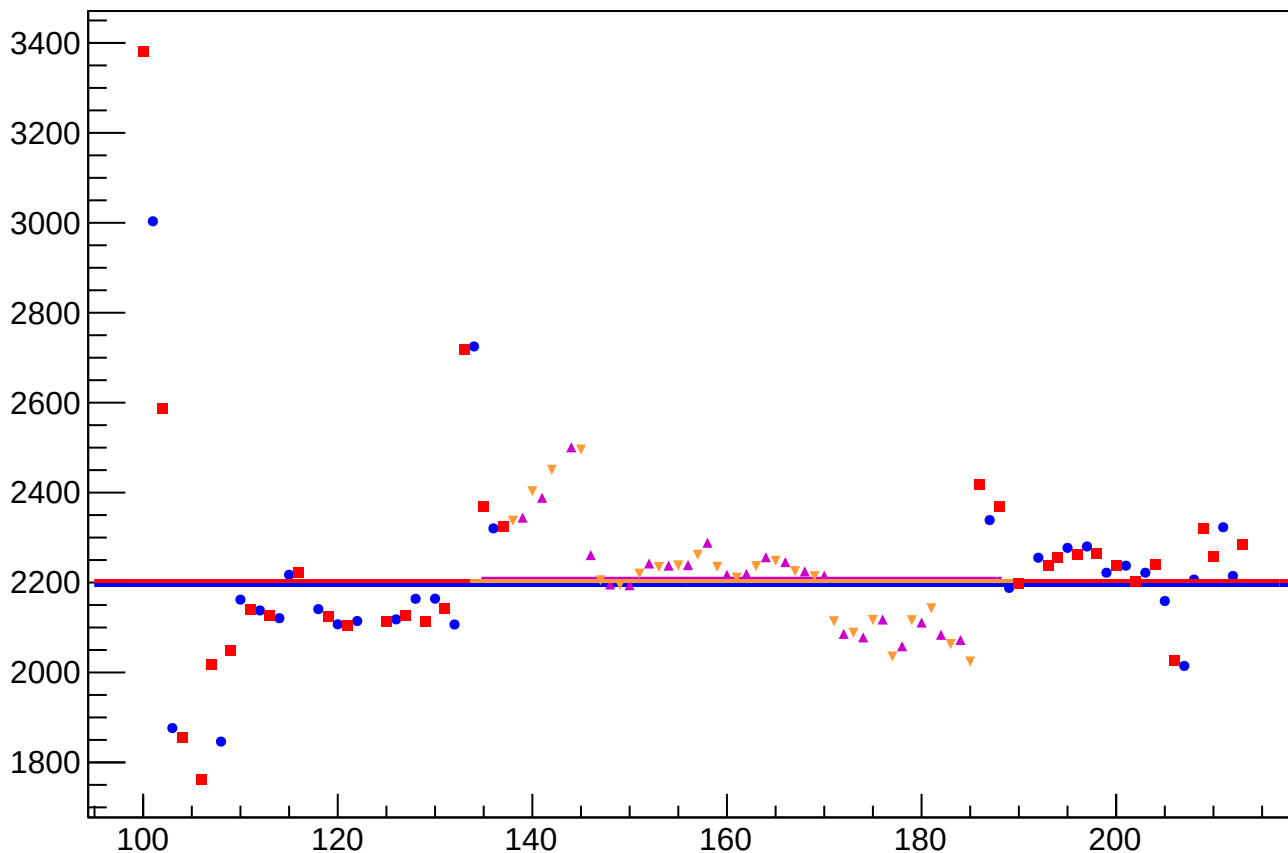
Left In: -5096.334 $\pm$ 516.232 χ^2/NDF : 14.9/22

+ sign 3921.213 $\pm$ 367.401 χ^2/NDF : 53.5/52

All: -315.842 $\pm$ 258.803 χ^2/NDF : 359.1/107

- sign -4489.002 $\pm$ 364.620 χ^2/NDF : 41.7/54

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2194.527+/-0.373 χ^2/NDF : 225874.9/28

Left Out: 2203.297+/-0.362 χ^2/NDF : 88208.3/23

Right Out: 2203.466+/-0.363 χ^2/NDF : 210696.7/31

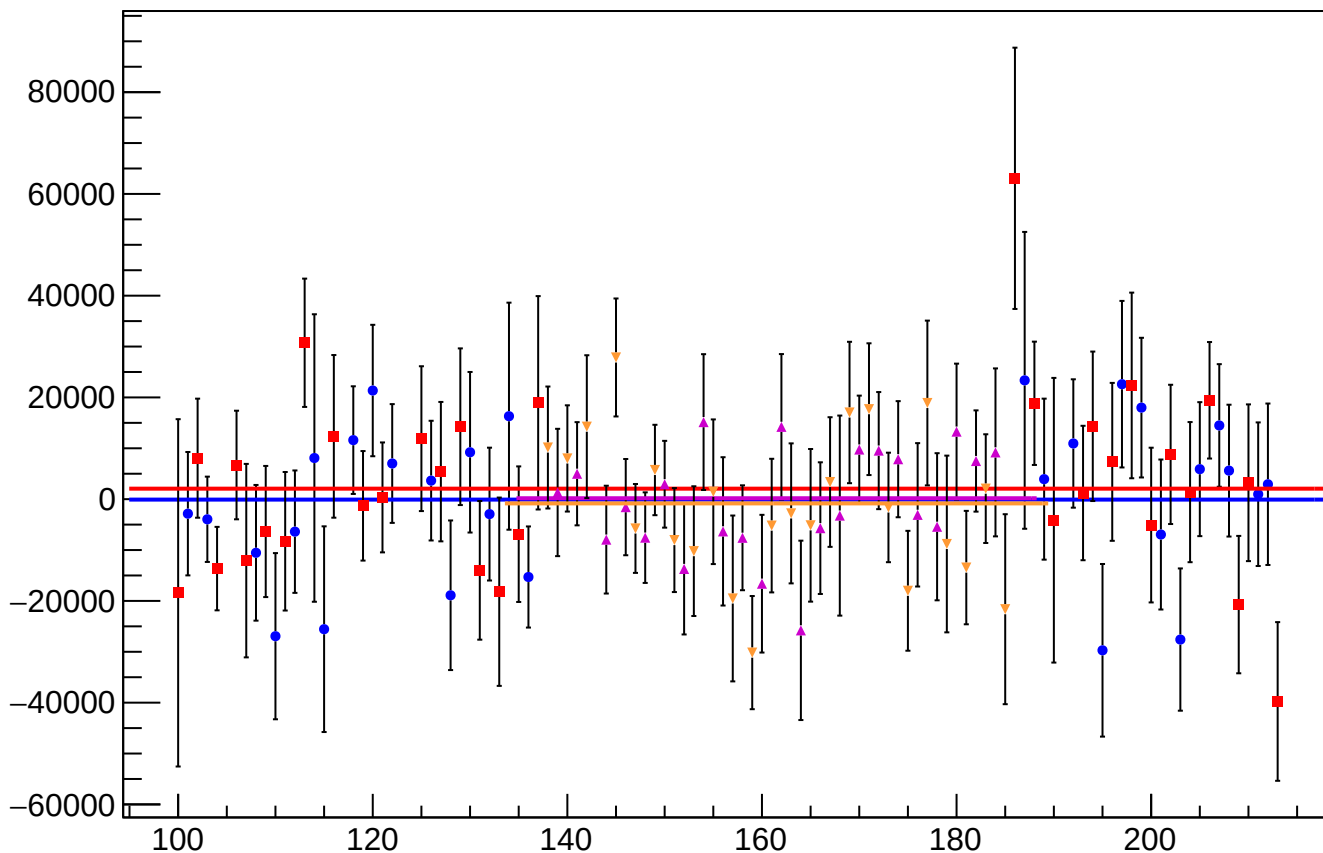
Left In: 2208.379+/-0.365 χ^2/NDF : 80994.3/22

+ sign 2199.042+/-0.260 χ^2/NDF : 314367.8/52

All: 2202.507+/-0.183 χ^2/NDF : 606502.4/107

- sign 2205.912+/-0.258 χ^2/NDF : 291782.0/54

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -84.985 ± 2512.414 χ^2/NDF : 29.1/28

Left Out: -833.458 ± 2481.469 χ^2/NDF : 29.5/23

Right Out: 2064.666 ± 2443.000 χ^2/NDF : 39.1/31

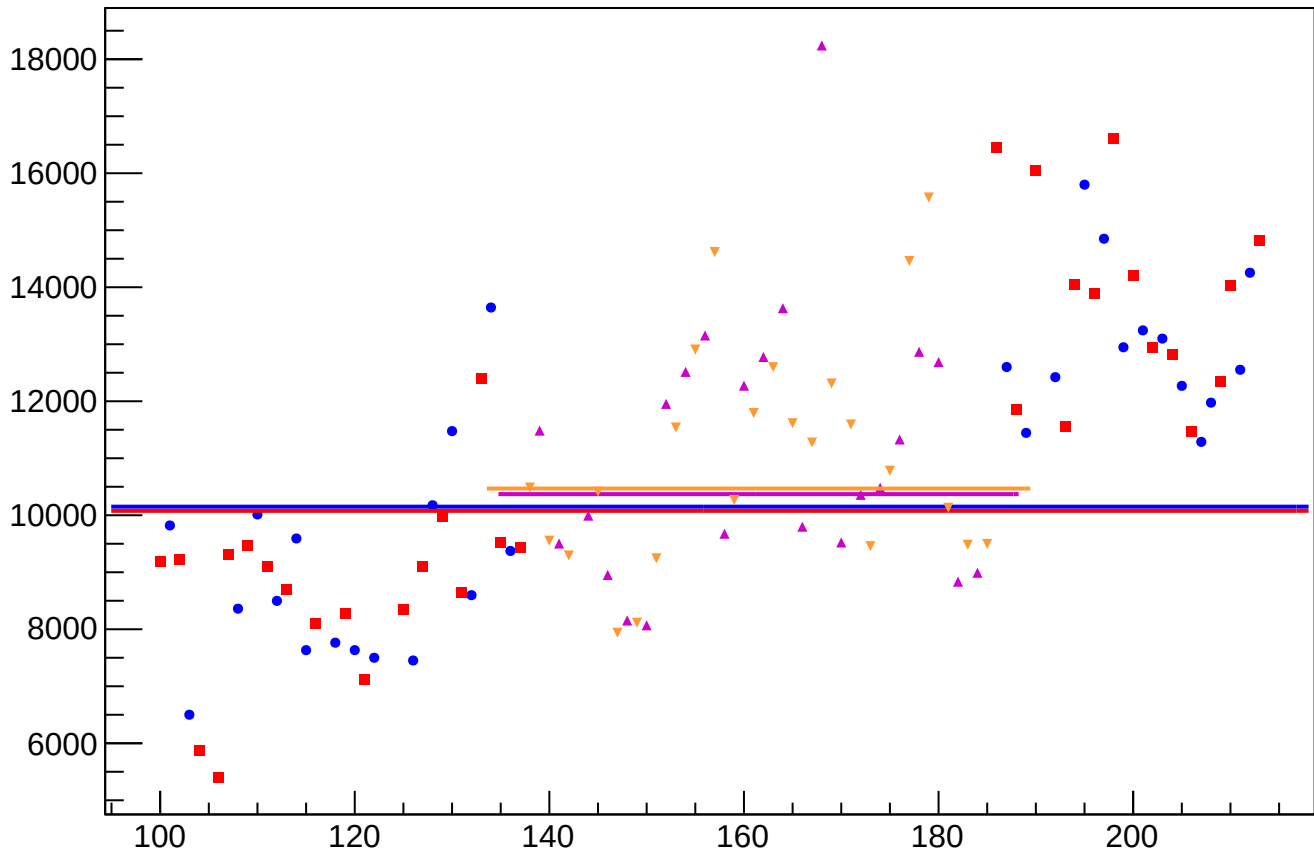
Left In: 182.360 ± 2471.221 χ^2/NDF : 13.8/22

+ sign -463.860 ± 1765.502 χ^2/NDF : 58.6/52

All: 348.074 ± 1238.327 χ^2/NDF : 112.1/107

- sign 1134.322 ± 1737.354 χ^2/NDF : 53.1/54

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 10150.815+/-1.777 χ^2/NDF : 2015729.7/28

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 10077.495+/-1.727 χ^2/NDF : 2818555.3/31

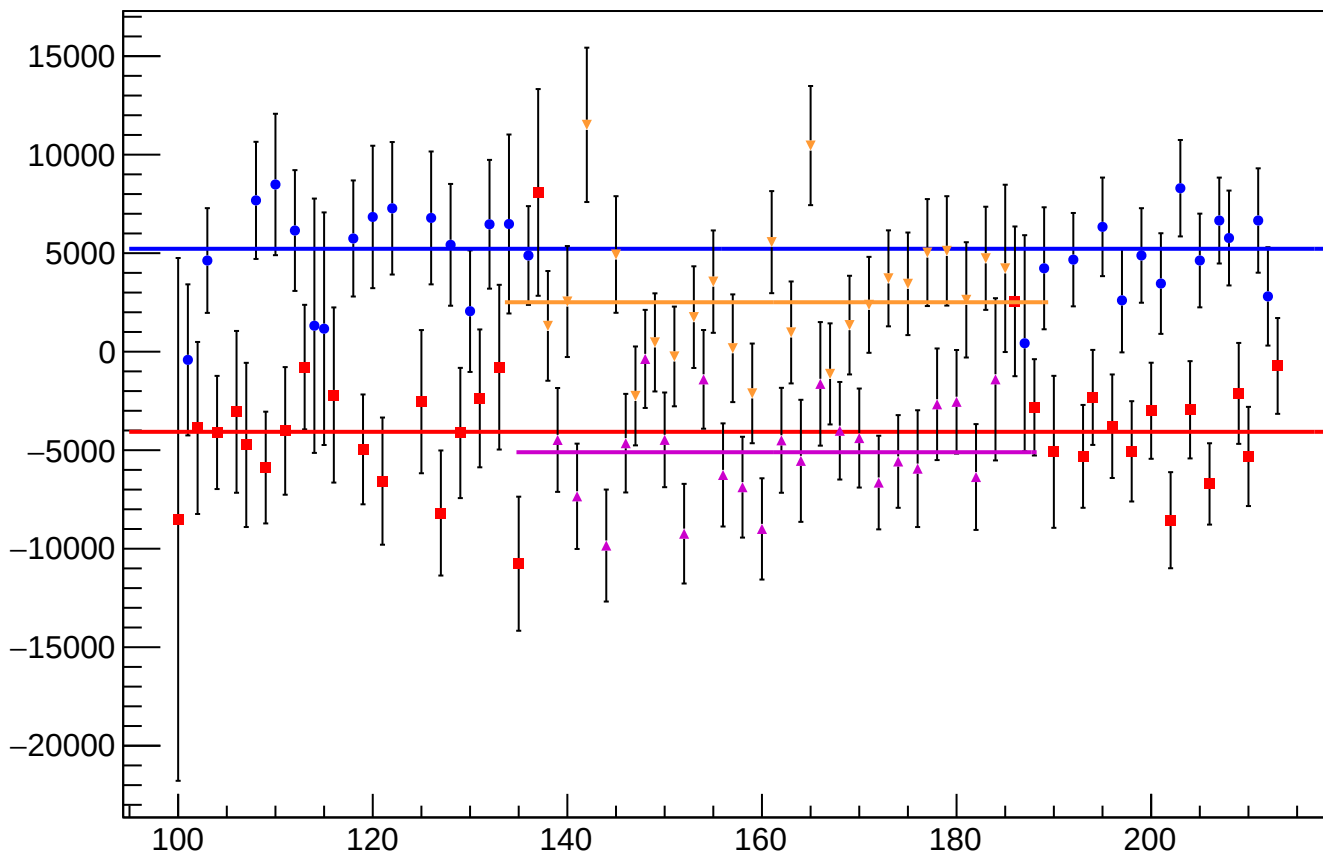
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 10311.715+/-1.248 χ^2/NDF : 3077192.9/52

All: 10266.394+/-0.876 χ^2/NDF : 7116363.4/100

- sign 10222.506+/-1.228 χ^2/NDF : 4036576.3/54

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5222.307 $\pm$ 541.192 χ^2 /NDF: 12.7/28

Left Out: 2508.976 $\pm$ 551.601 χ^2 /NDF: 29.8/23

Right Out: -4067.803 $\pm$ 530.326 χ^2 /NDF: 26.9/31

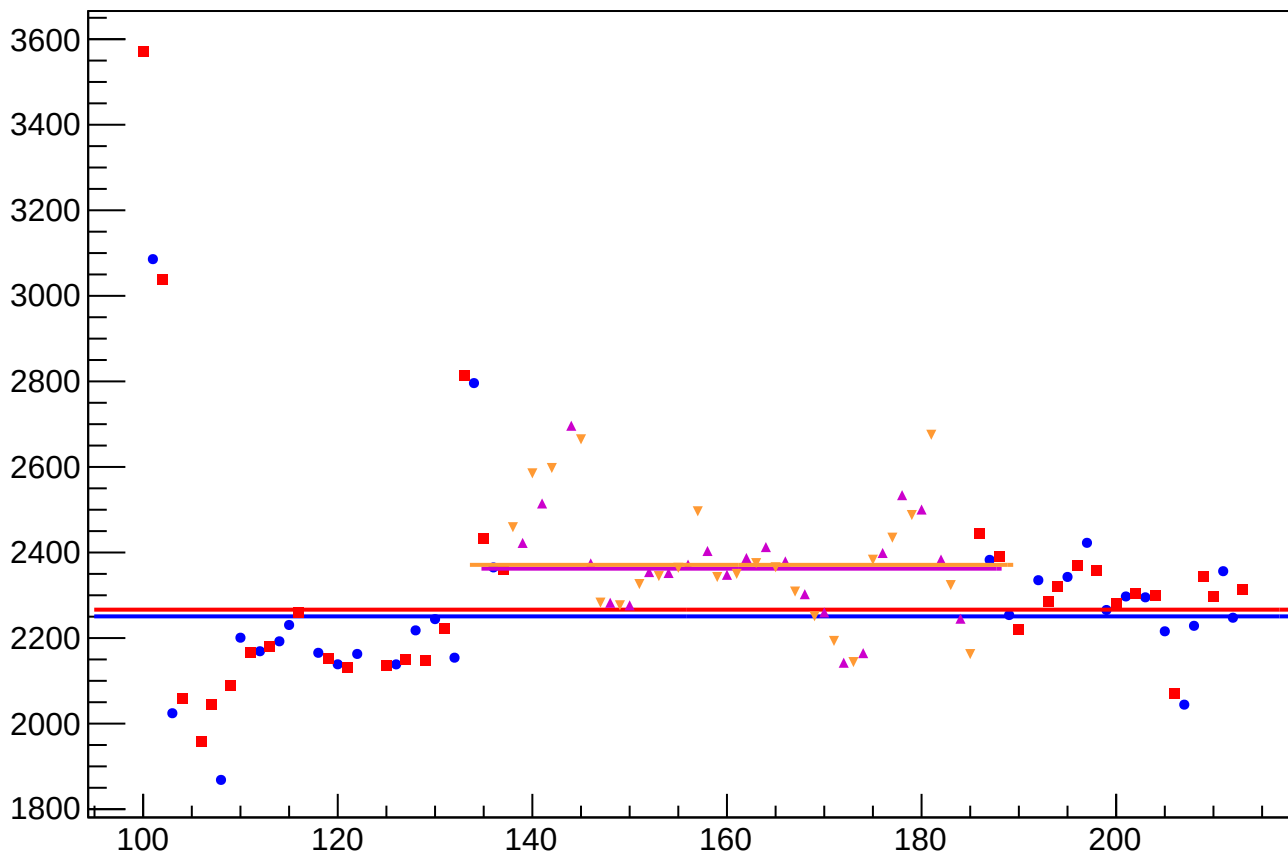
Left In: -5102.993 $\pm$ 552.583 χ^2 /NDF: 19.9/22

+ sign 3891.482 $\pm$ 386.308 χ^2 /NDF: 54.9/52

All: -376.841 $\pm$ 271.849 χ^2 /NDF: 345.4/107

- sign -4564.131 $\pm$ 382.624 χ^2 /NDF: 48.7/54

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2250.690 $\pm$ 0.383 χ^2 /NDF: 224650.5/28

Left Out: 2371.137 $\pm$ 0.390 χ^2 /NDF: 116296.5/23

Right Out: 2266.399 $\pm$ 0.375 χ^2 /NDF: 214259.8/31

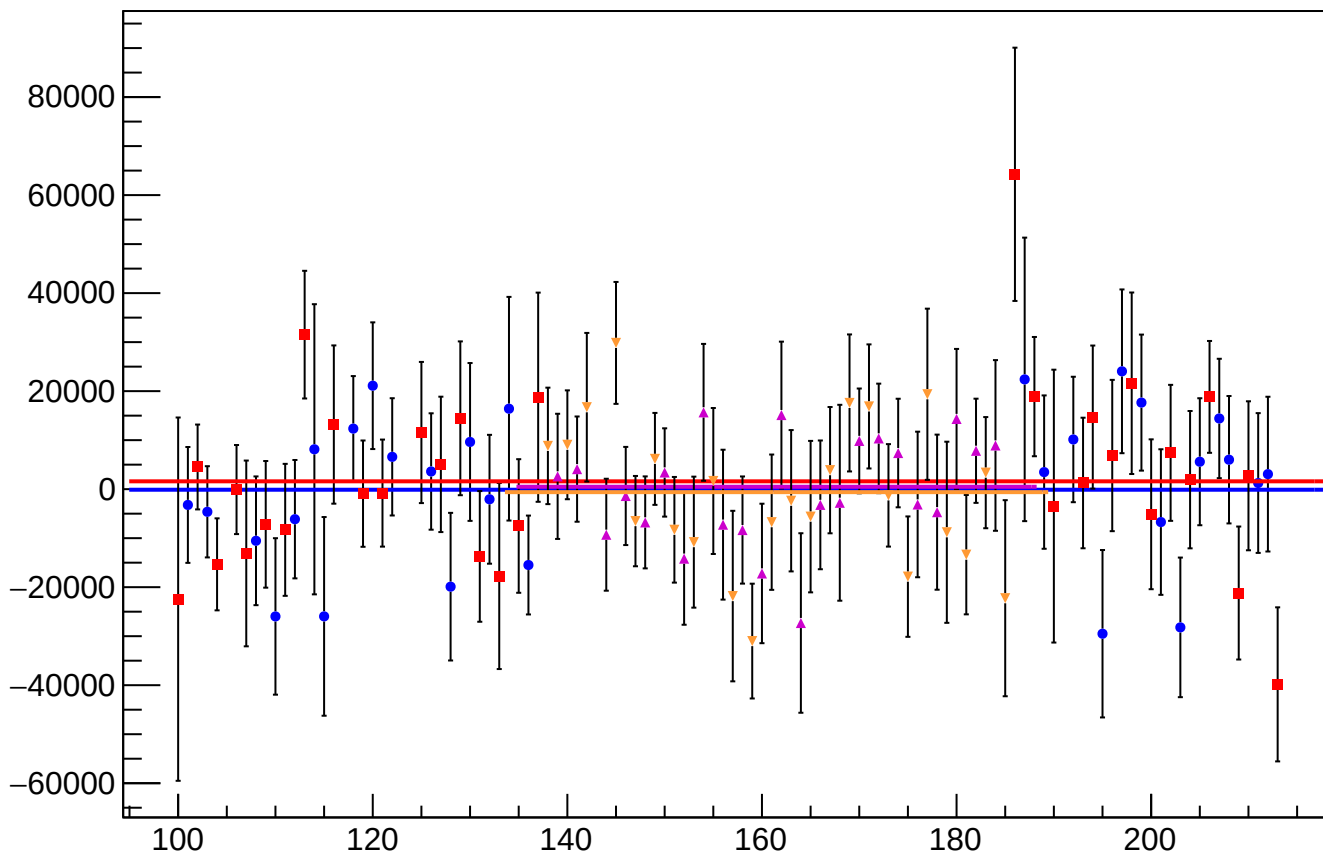
Left In: 2362.218 $\pm$ 0.391 χ^2 /NDF: 91896.7/22

+ sign 2309.766 $\pm$ 0.273 χ^2 /NDF: 389535.2/52

All: 2311.060 $\pm$ 0.192 χ^2 /NDF: 727047.5/107

- sign 2312.328 $\pm$ 0.271 χ^2 /NDF: 337467.9/54

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -117.531 $\pm$ 2548.095 χ^2 /NDF: 28.9/28

Left Out: -608.283 $\pm$ 2589.919 χ^2 /NDF:28.9/23

Right Out: 1599.487 $\pm$ 2414.209 χ^2 /NDF: 38.4/31

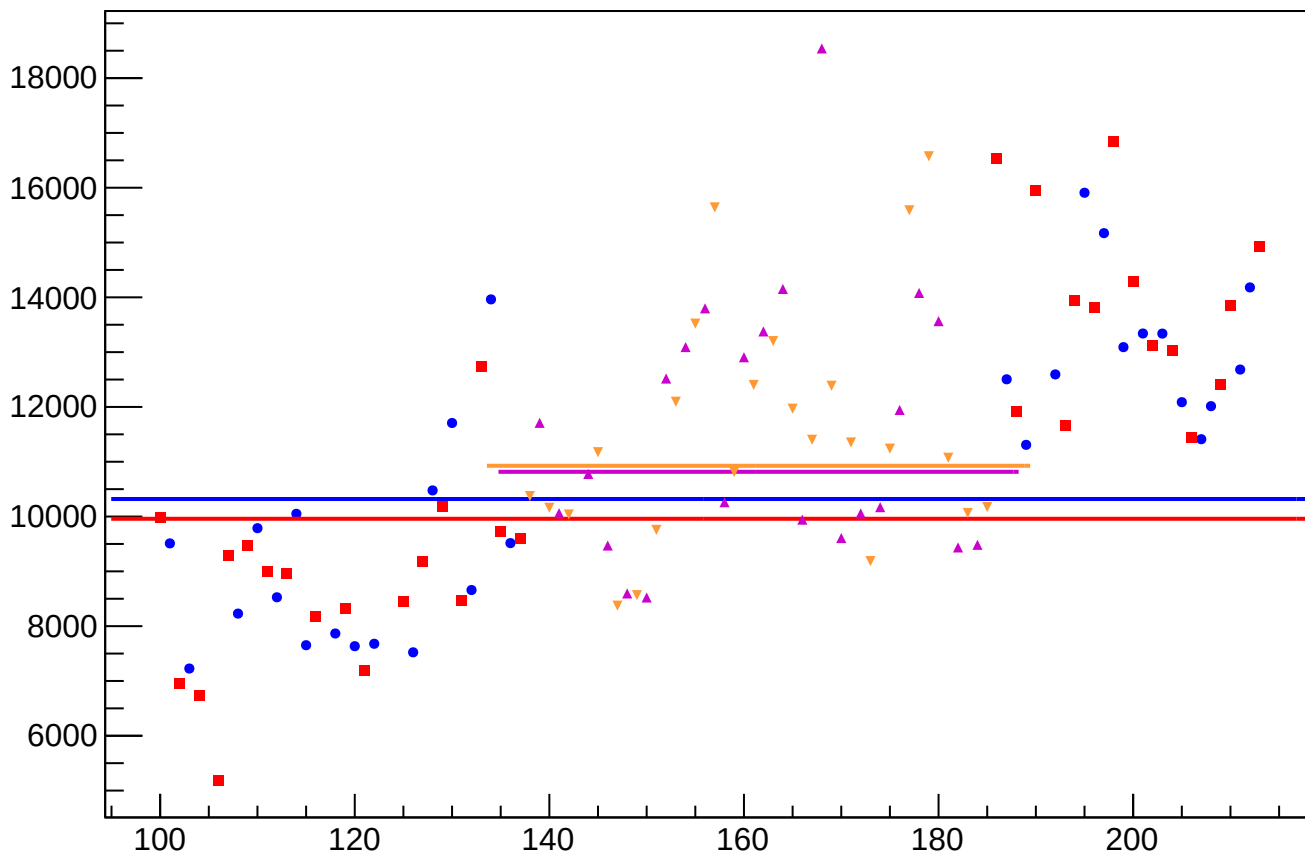
Left In: 490.044 $\pm$ 2577.213 χ^2 /NDF:13.5/22

+ sign -358.912 $\pm$ 1816.382 χ^2 /NDF: 57.8/52

All: 382.936 $\pm$ 1264.679 χ^2 /NDF: 110.2/107

- sign 1080.958 $\pm$ 1761.913 χ^2 /NDF: 52.1/54

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 10320.245 $\pm$ 1.802 χ^2 /NDF: 1851644.8/28

Left Out: 10926.860 $\pm$ 1.831 χ^2 /NDF:1057331.1/23

Right Out: 9959.492 $\pm$ 1.707 χ^2 /NDF: 2998611.5/31

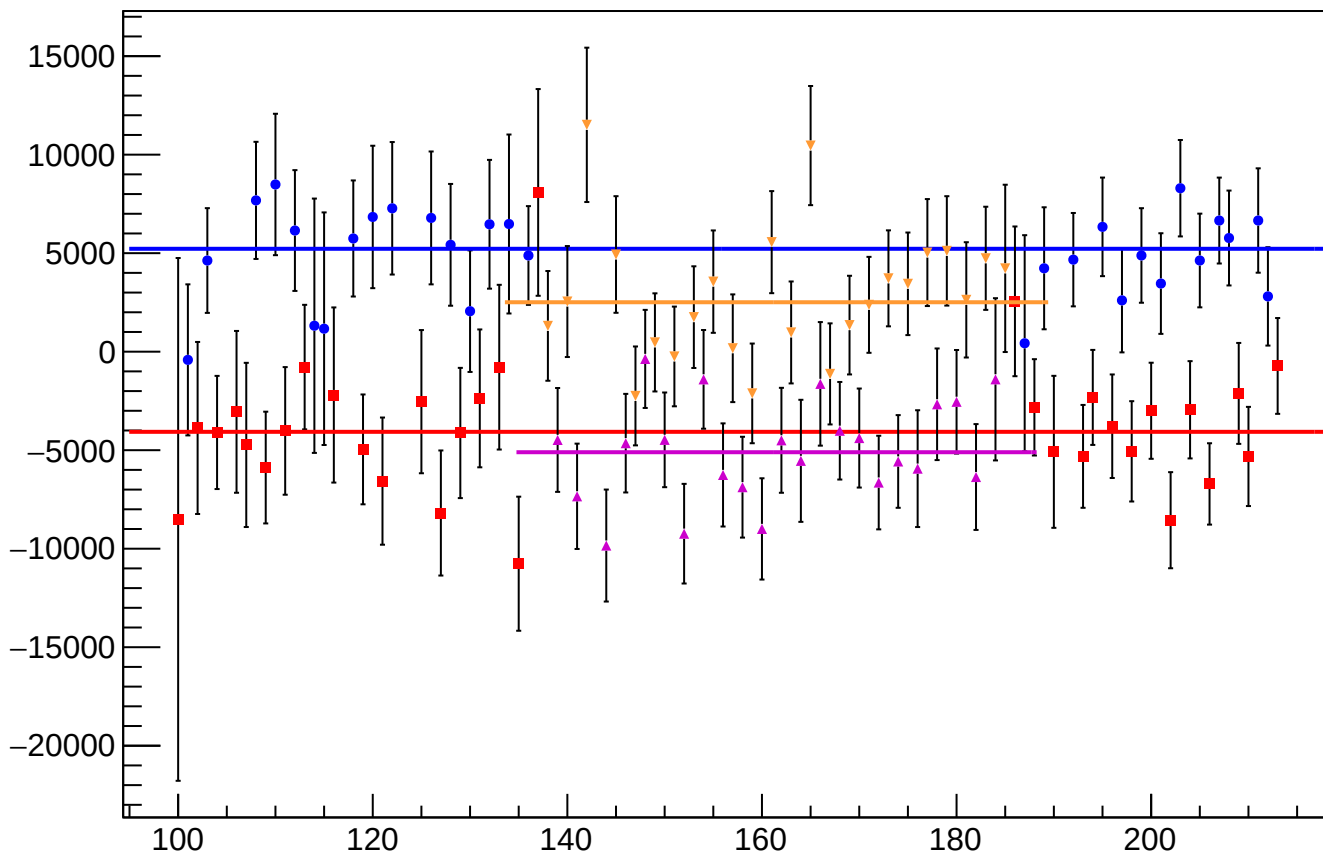
Left In: 10816.320 $\pm$ 1.822 χ^2 /NDF:1196820.9/22

+ sign 10618.615 $\pm$ 1.284 χ^2 /NDF: 2964728.7/52

All: 10485.348 $\pm$ 0.894 χ^2 /NDF: 7298800.7/100

- sign 10359.954 $\pm$ 1.246 χ^2 /NDF: 4313175.7/54

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5222.303 ± 541.192 χ^2/NDF : 12.7/28

Left Out: 2508.963 ± 551.602 χ^2/NDF : 29.8/23

Right Out: -4067.800 ± 530.326 χ^2/NDF : 26.9/31

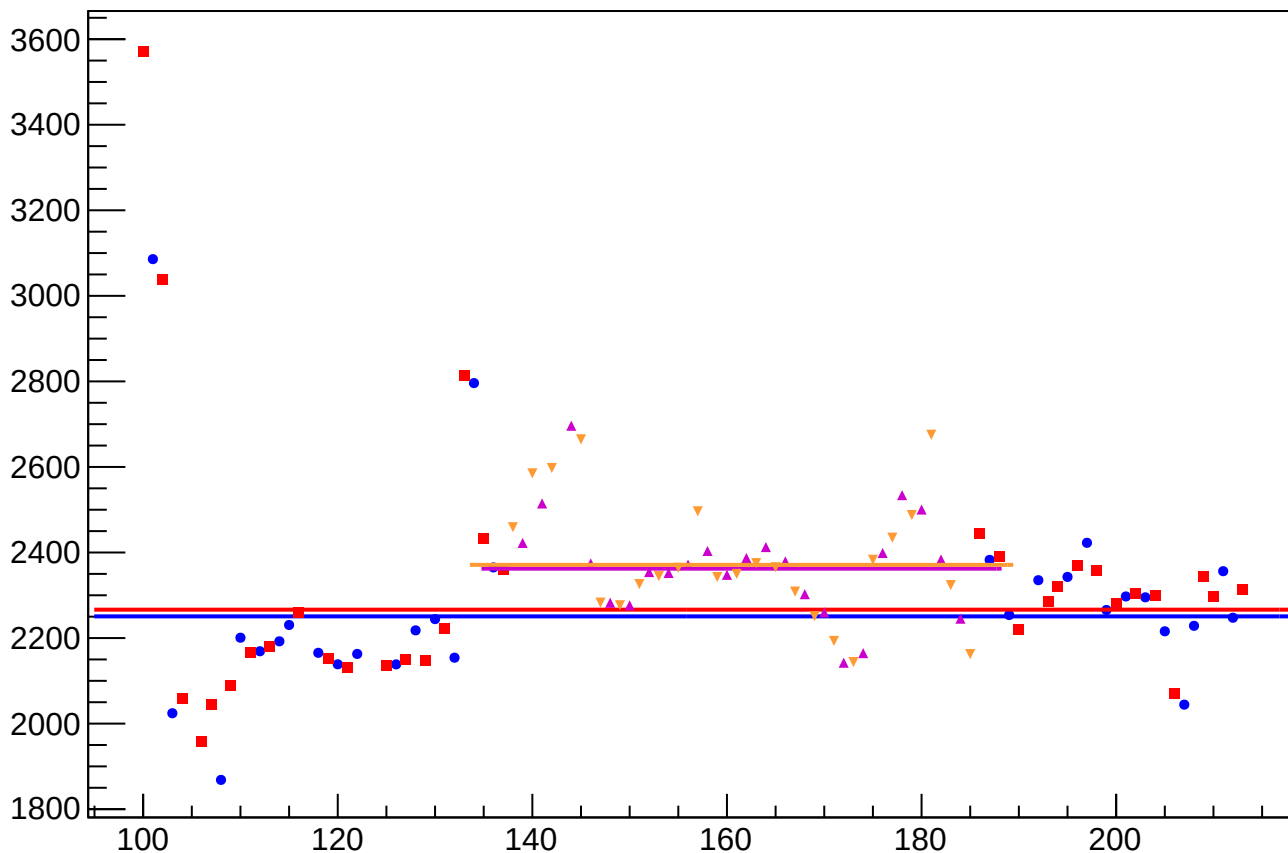
Left In: -5102.996 ± 552.584 χ^2/NDF : 19.9/22

+ sign 3891.476 ± 386.308 χ^2/NDF : 54.9/52

All: -376.843 ± 271.849 χ^2/NDF : 345.4/107

- sign -4564.130 ± 382.624 χ^2/NDF : 48.7/54

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2250.690+/-0.383 χ^2/NDF : 224650.9/28

Left Out: 2371.140+/-0.390 χ^2/NDF : 116300.8/23

Right Out: 2266.399+/-0.375 χ^2/NDF : 214260.3/31

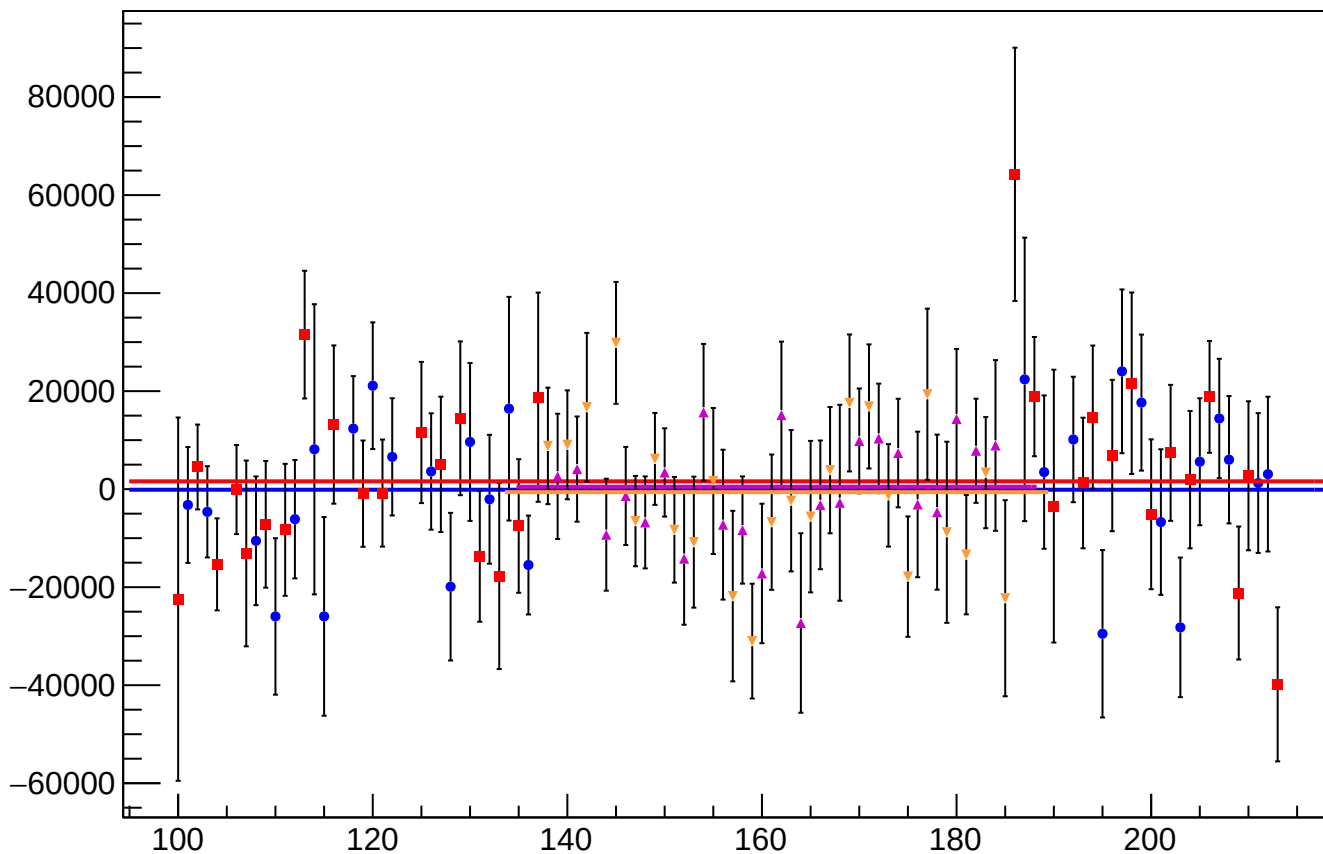
Left In: 2362.221+/-0.391 χ^2/NDF : 91901.3/22

+ sign 2309.768+/-0.273 χ^2/NDF : 389542.6/52

All: 2311.061+/-0.192 χ^2/NDF : 727062.1/107

- sign 2312.330+/-0.271 χ^2/NDF : 337475.1/54

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -117.525+/-2548.093 χ^2/NDF : 28.9/28

Left Out: -608.291+/-2589.924 χ^2/NDF : 28.9/23

Right Out: 1599.477+/-2414.206 χ^2/NDF : 38.4/31

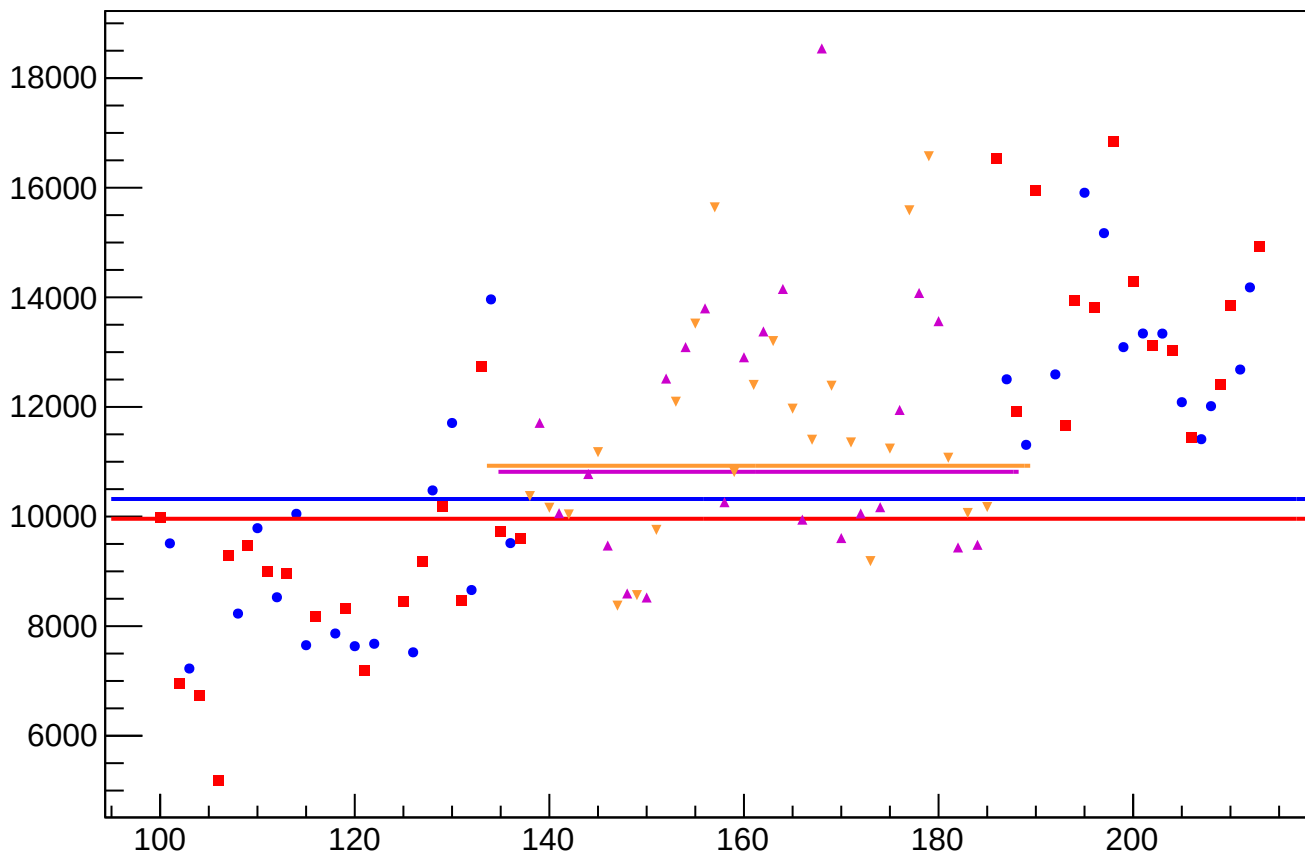
Left In: 490.047+/-2577.218 χ^2/NDF : 13.5/22

+ sign -358.913+/-1816.383 χ^2/NDF : 57.8/52

All: 382.934+/-1264.679 χ^2/NDF : 110.2/107

- sign 1080.955+/-1761.913 χ^2/NDF : 52.1/54

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 10320.234+/-1.802 χ^2/NDF : 1851675.7/28

Left Out: 10926.878+/-1.831 χ^2/NDF : 1057333.6/23

Right Out: 9959.479+/-1.707 χ^2/NDF : 2998638.5/31

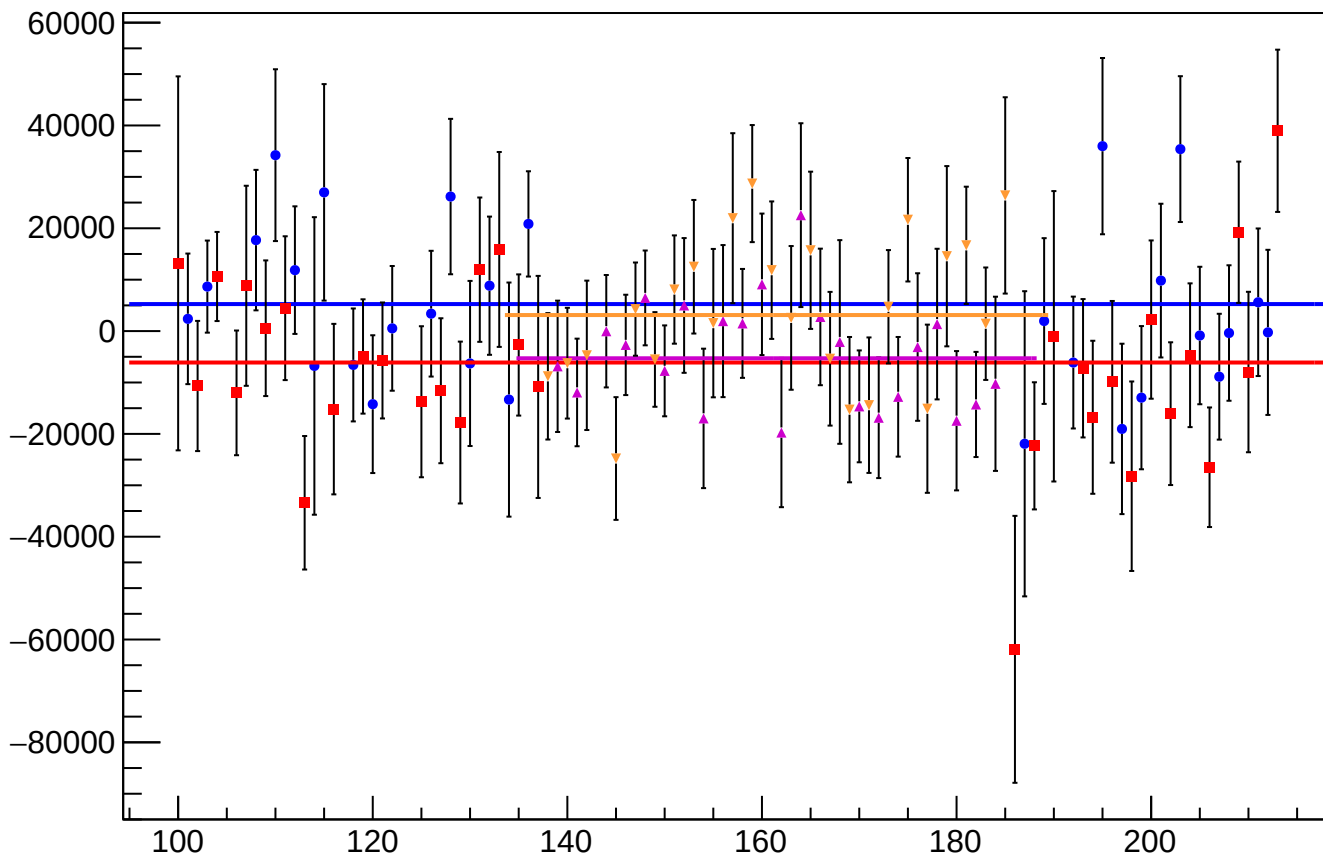
Left In: 10816.337+/-1.822 χ^2/NDF : 1196824.5/22

+ sign 10618.618+/-1.284 χ^2/NDF : 2964767.3/52

All: 10485.349+/-0.894 χ^2/NDF : 7298878.3/100

- sign 10359.954+/-1.246 χ^2/NDF : 4313214.4/54

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5254.455 $\pm$ 2585.495 χ^2 /NDF: 29.7/28

Left Out: 3119.161 $\pm$ 2542.855 χ^2 /NDF:27.4/23

Right Out: -6115.145 $\pm$ 2525.934 χ^2 /NDF: 38.4/31

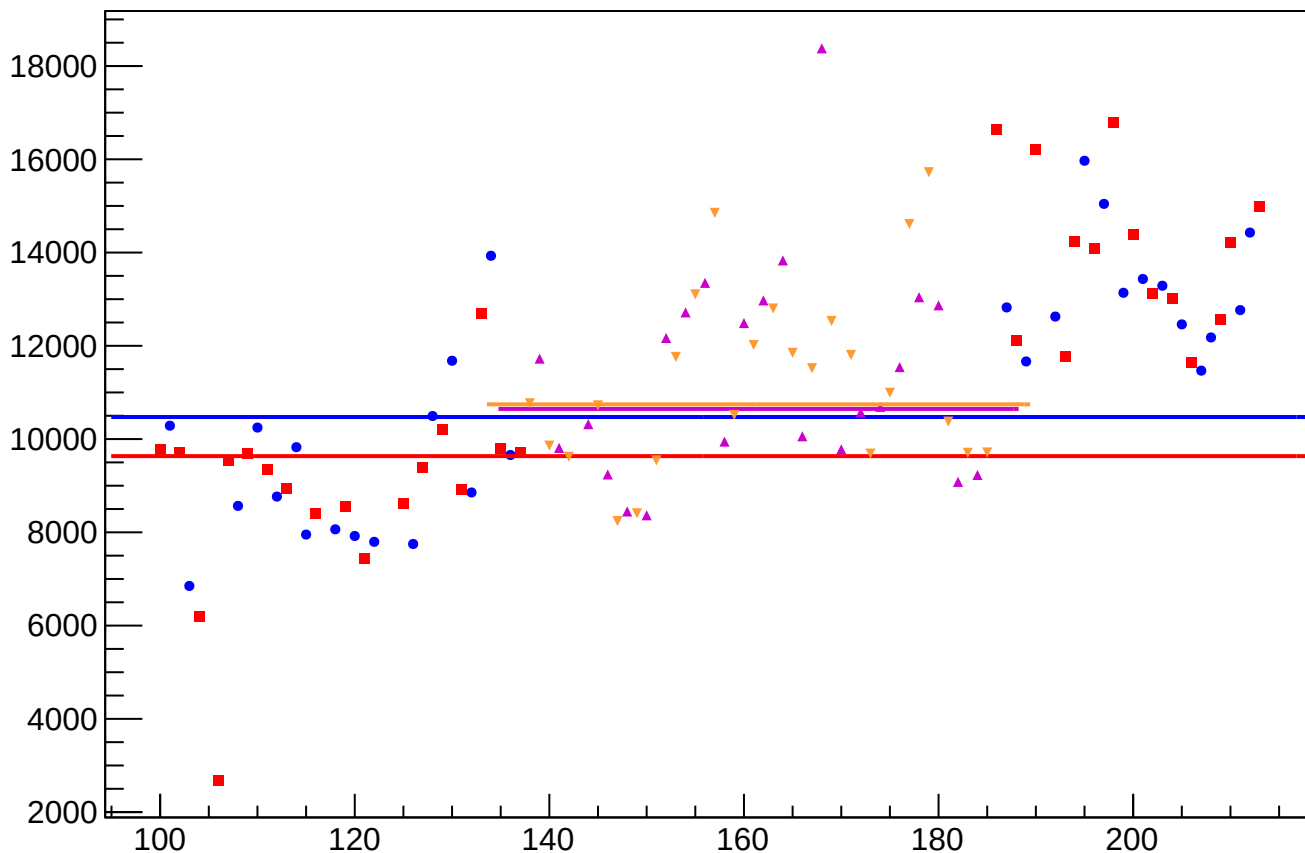
Left In: -5290.718 $\pm$ 2532.995 χ^2 /NDF:13.3/22

+ sign 4169.055 $\pm$ 1812.958 χ^2 /NDF: 57.5/52

All: -834.293 $\pm$ 1273.254 χ^2 /NDF: 124.3/107

- sign -5704.082 $\pm$ 1788.596 χ^2 /NDF: 51.8/54

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10473.096+/-1.828 χ^2/NDF : 1829733.3/28

Left Out: 10745.331+/-1.798 χ^2/NDF : 964618.1/23

Right Out: 9634.586+/-1.705 χ^2/NDF : 4660580.8/31

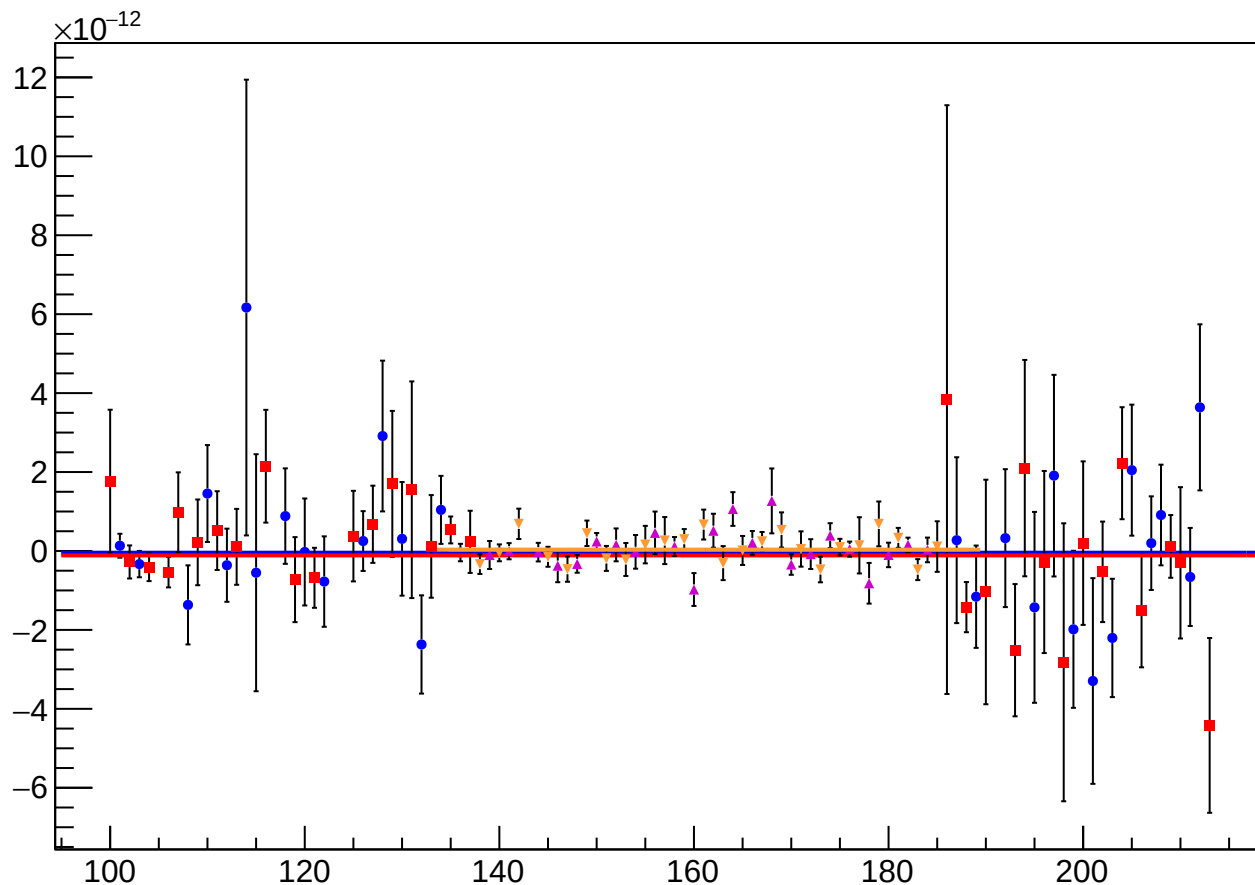
Left In: 10646.477+/-1.791 χ^2/NDF : 1114064.0/22

+ sign 10611.476+/-1.282 χ^2/NDF : 2805622.5/52

All: 10354.281+/-0.889 χ^2/NDF : 8825318.2/100

- sign 10115.613+/-1.235 χ^2/NDF : 5942092.1/54

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:26.3/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/31

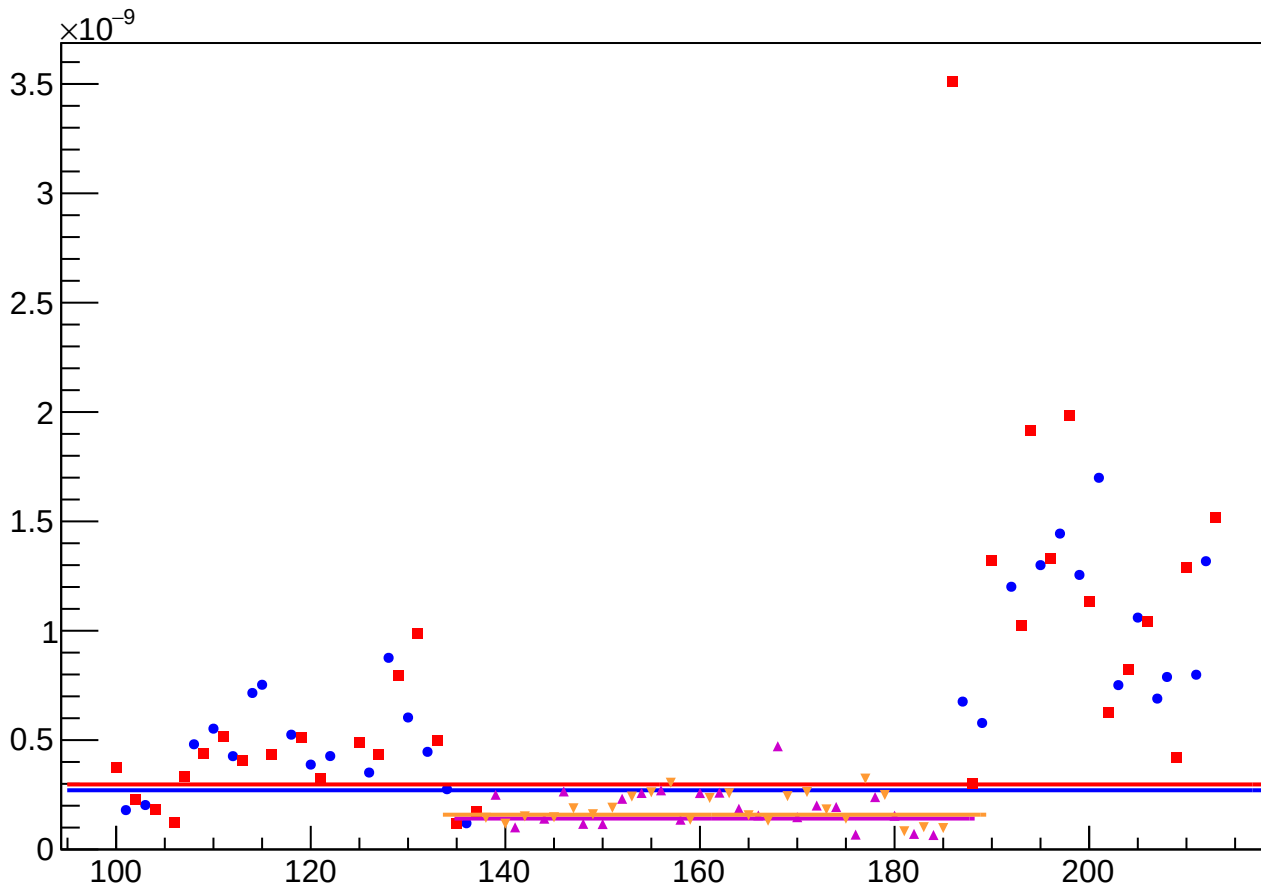
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.6/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.5/54

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6740847.2/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1297018.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6961396.3/31

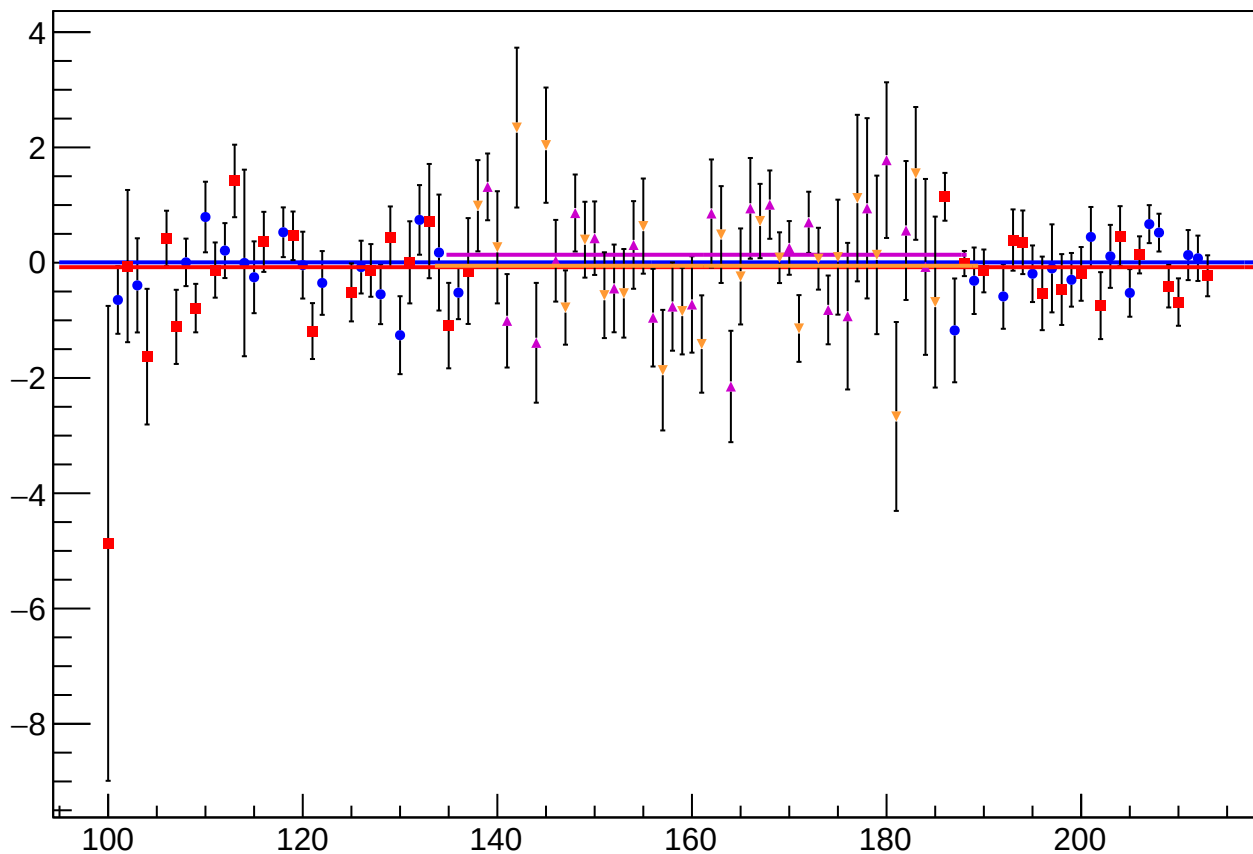
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :2396288.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 9143394.9/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 20559104.5/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11344792.9/54

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.094 χ^2/NDF : 25.6/28

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.078 ± 0.084 χ^2/NDF : 44.3/31

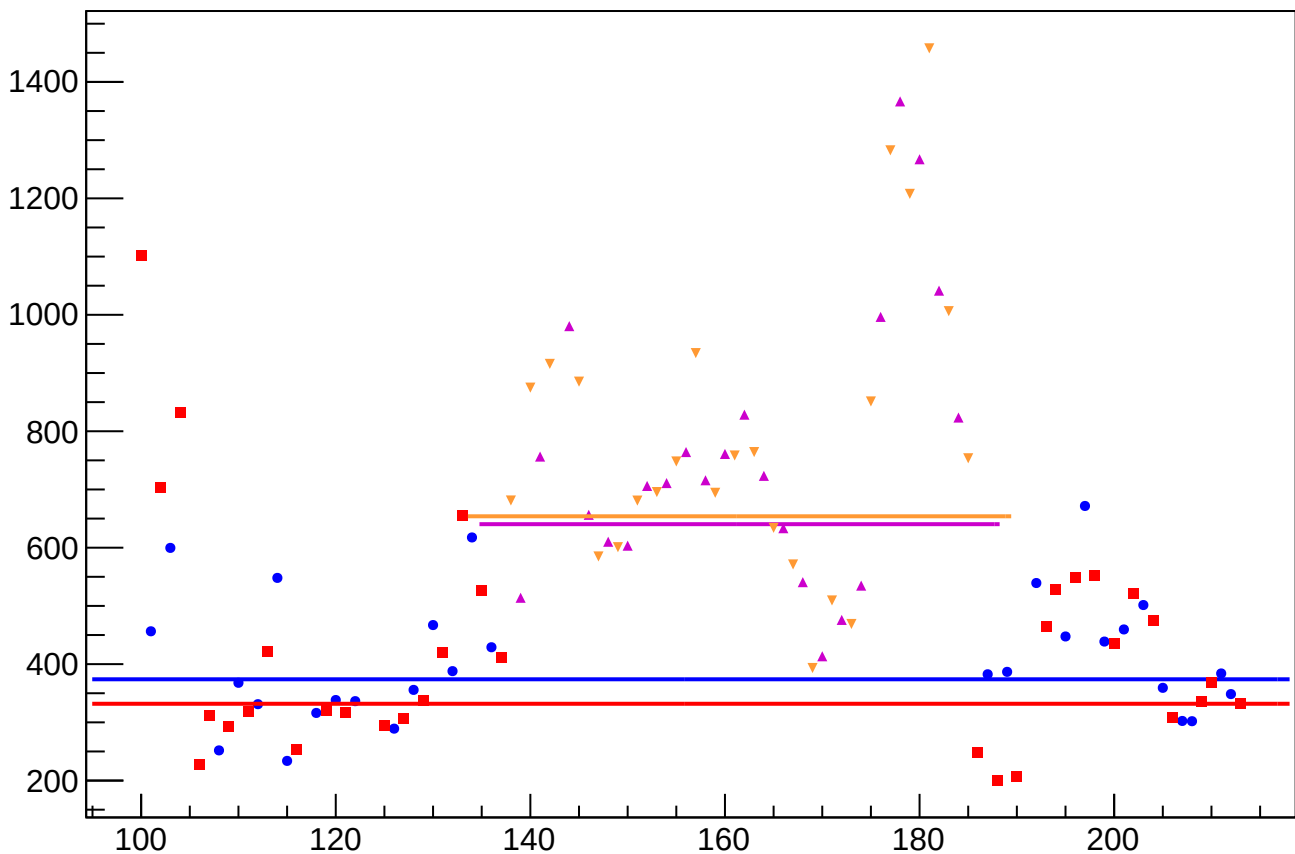
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.009 ± 0.081 χ^2/NDF : 55.9/52

All: -0.021 ± 0.055 χ^2/NDF : 131.7/107

- sign -0.030 ± 0.074 χ^2/NDF : 75.7/54

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 373.965 $\pm$ 0.067 χ^2 /NDF: 1745617.2/28

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF:3124472.6/23

Right Out: 331.919 $\pm$ 0.060 χ^2 /NDF: 3606927.7/31

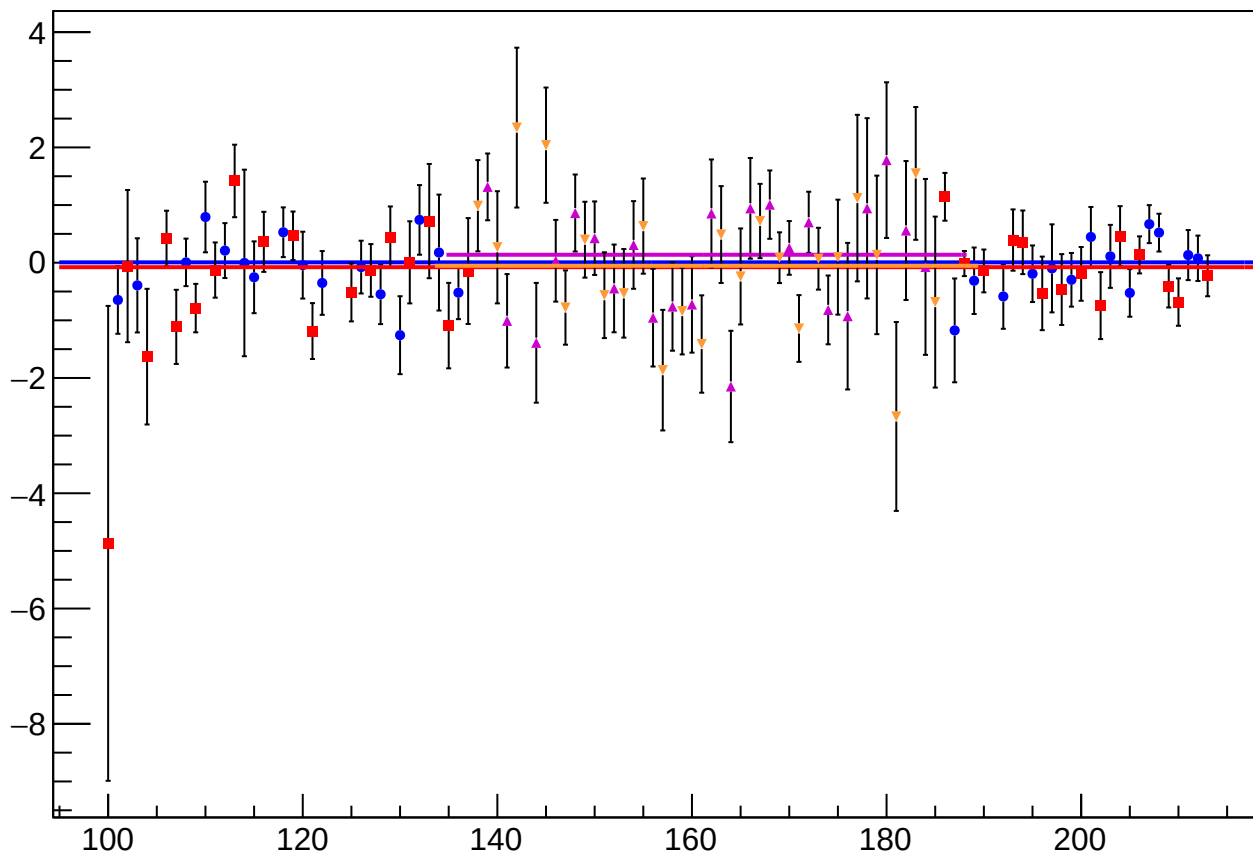
Left In: 640.392 $\pm$ 0.112 χ^2 /NDF:2647967.4/22

+ sign 445.405 $\pm$ 0.058 χ^2 /NDF: 9356290.5/52

All: 420.830 $\pm$ 0.039 χ^2 /NDF: 21886476.2/10

- sign 400.367 $\pm$ 0.053 χ^2 /NDF: 12196874.4/54

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.094 χ^2/NDF : 25.6/28

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.078 ± 0.084 χ^2/NDF : 44.3/31

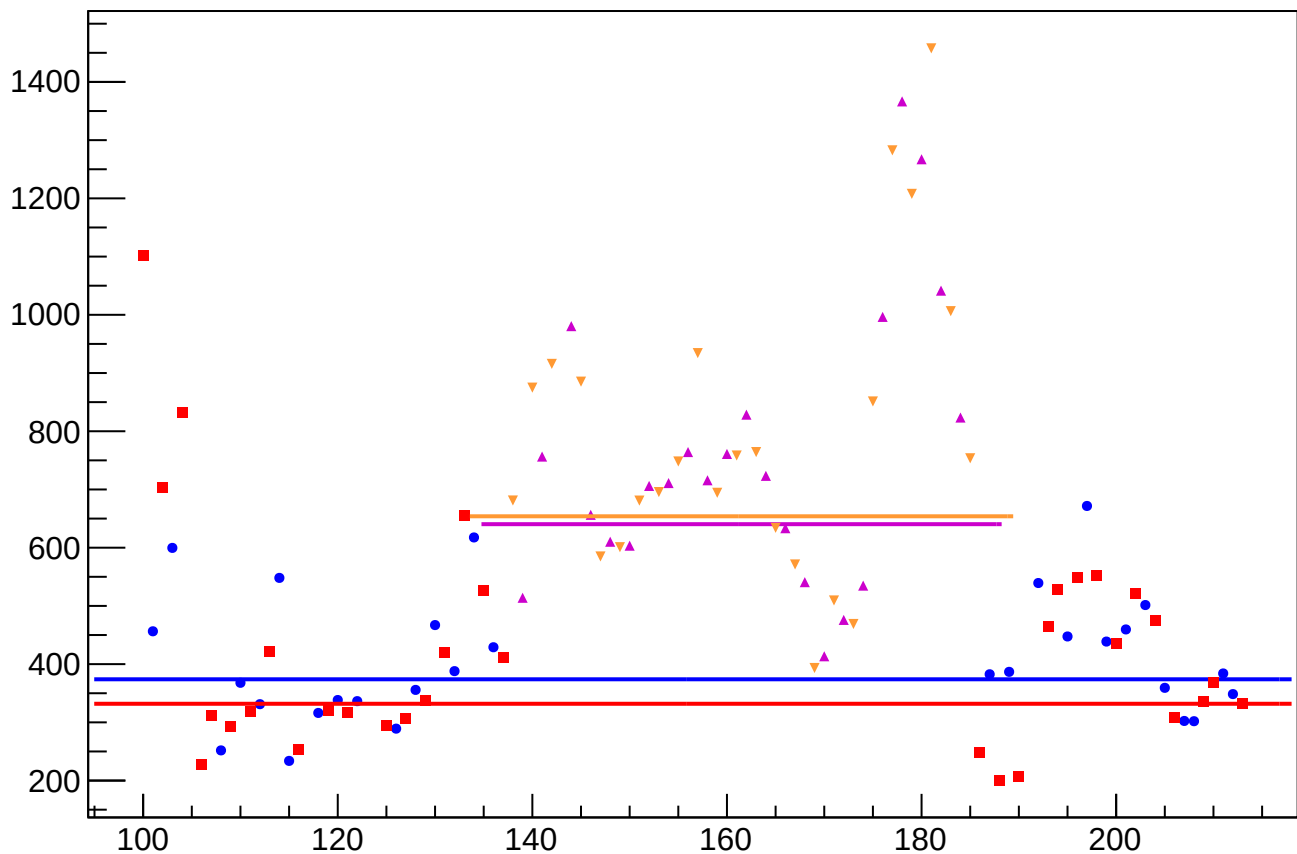
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.009 ± 0.081 χ^2/NDF : 55.9/52

All: -0.021 ± 0.055 χ^2/NDF : 131.7/107

- sign -0.030 ± 0.074 χ^2/NDF : 75.7/54

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 373.965+/-0.067 χ^2/NDF : 1745617.2/28

Left Out: 653.930+/-0.114 χ^2/NDF : 3124472.6/23

Right Out: 331.919+/-0.060 χ^2/NDF : 3606927.7/31

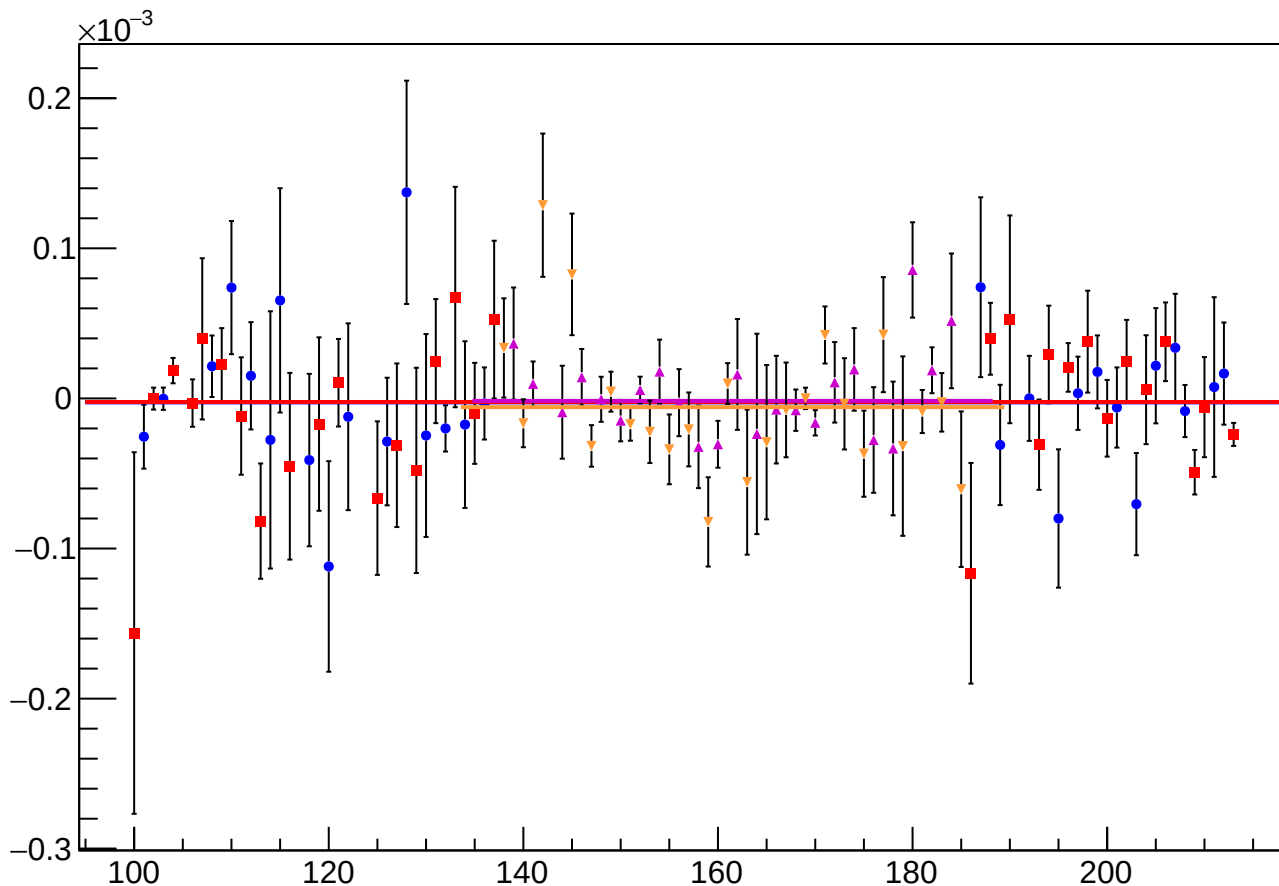
Left In: 640.392+/-0.112 χ^2/NDF : 2647967.4/22

+ sign 445.405+/-0.058 χ^2/NDF : 9356290.5/52

All: 420.830+/-0.039 χ^2/NDF : 21886476.2/10

- sign 400.367+/-0.053 χ^2/NDF : 12196874.4/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.6/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 52.1/31

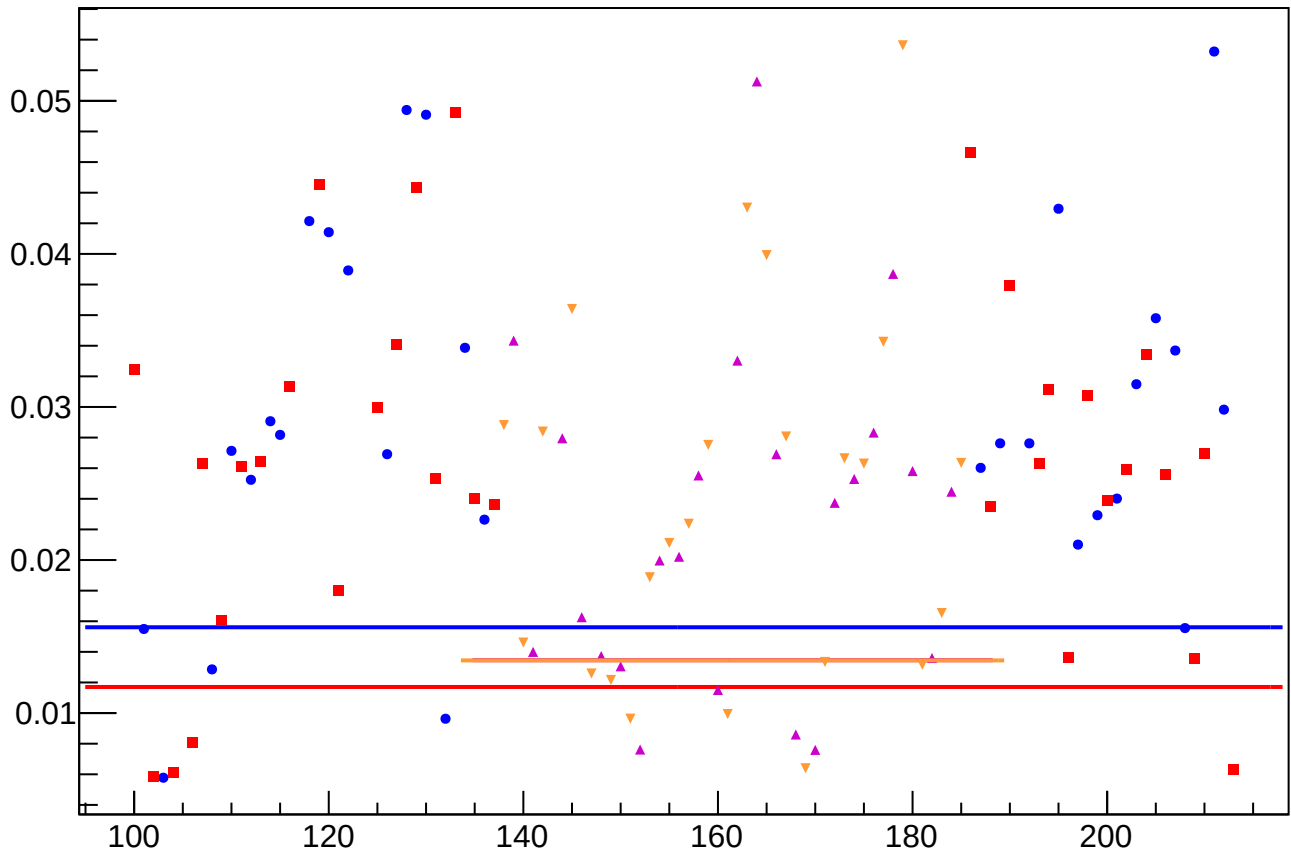
Left In: -0.000 ± 0.000 χ^2/NDF : 25.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.5/52

All: -0.000 ± 0.000 χ^2/NDF : 147.7/107

- sign -0.000 ± 0.000 χ^2/NDF : 77.8/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 11053724.0/28

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:8856192.5/23

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 12960852.0/31

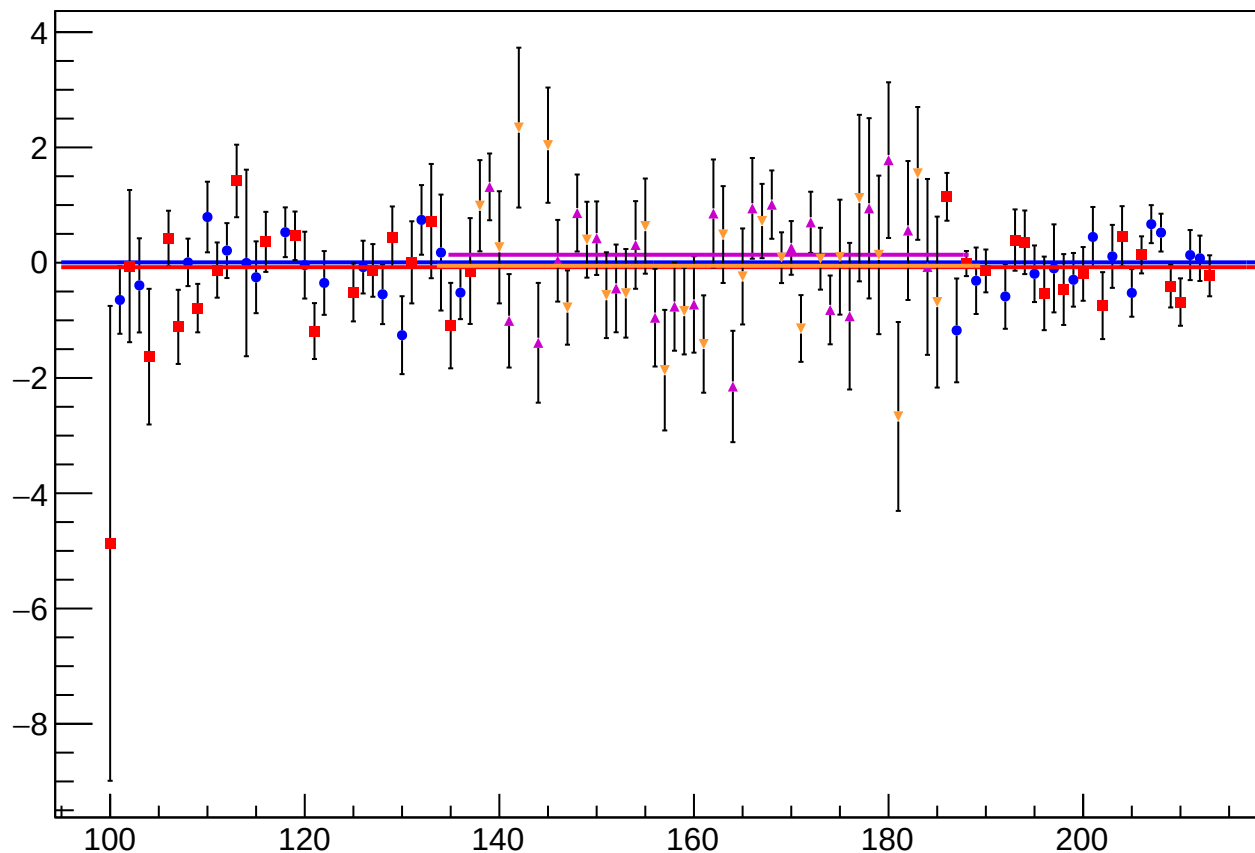
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:7548263.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 20175727.9/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 41332881.5/107

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 20742641.2/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.094 χ^2/NDF : 25.6/28

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.078 ± 0.084 χ^2/NDF : 44.3/31

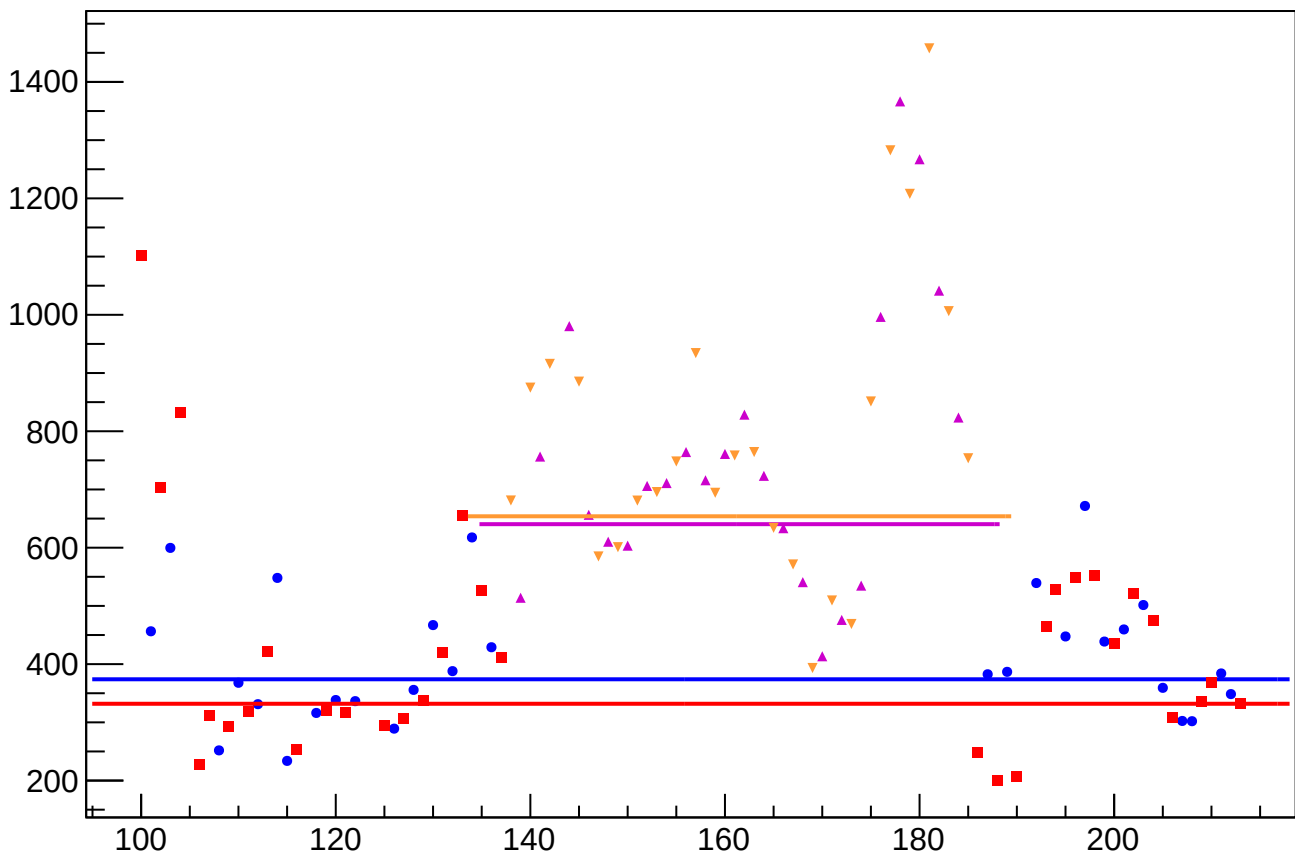
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.009 ± 0.081 χ^2/NDF : 55.9/52

All: -0.021 ± 0.055 χ^2/NDF : 131.7/107

- sign -0.030 ± 0.074 χ^2/NDF : 75.7/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 373.965+/-0.067 χ^2/NDF : 1745606.4/28

Left Out: 653.930+/-0.114 χ^2/NDF : 3124692.9/23

Right Out: 331.913+/-0.060 χ^2/NDF : 3607139.1/31

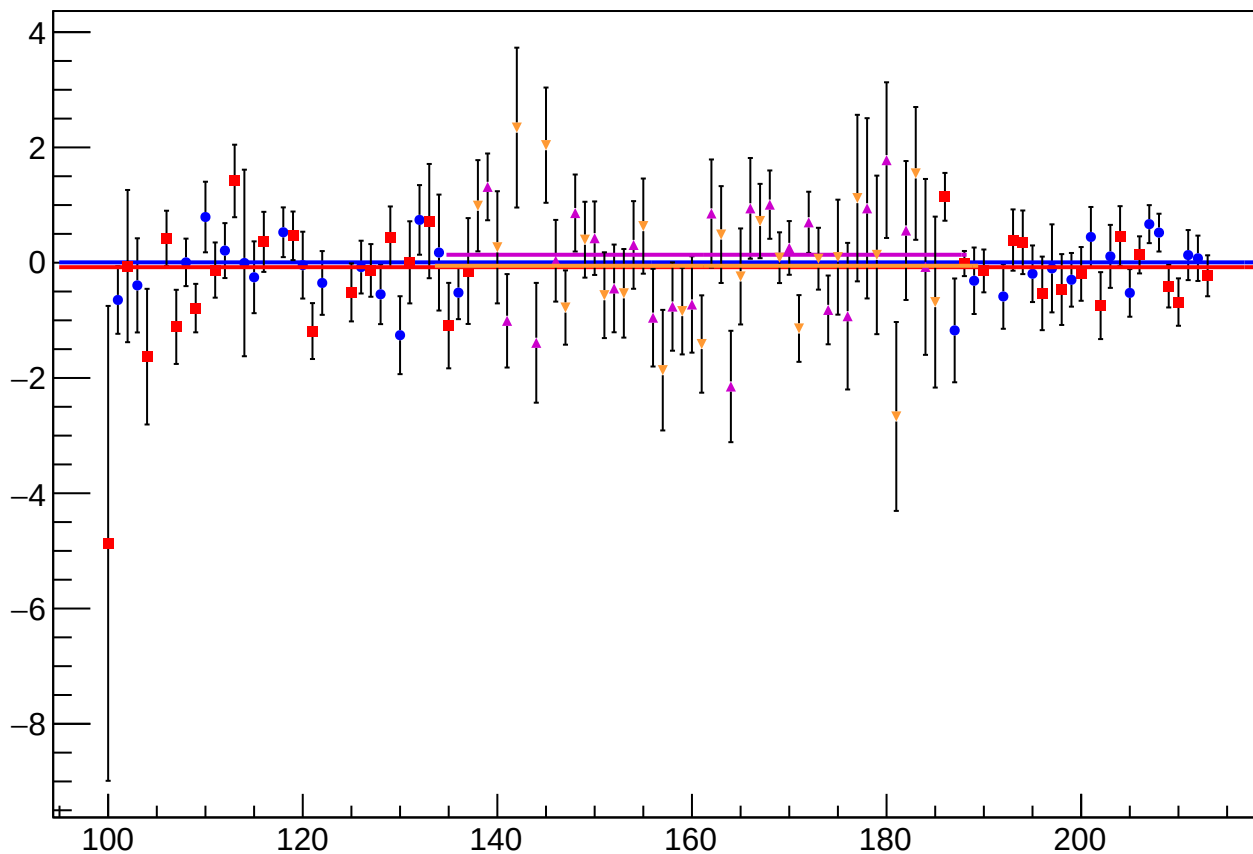
Left In: 640.395+/-0.112 χ^2/NDF : 2648118.2/22

+ sign 445.405+/-0.058 χ^2/NDF : 9356486.4/52

All: 420.827+/-0.039 χ^2/NDF : 21887394.0/10

- sign 400.362+/-0.053 χ^2/NDF : 12197518.1/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.094 χ^2/NDF : 25.6/28

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.078 ± 0.084 χ^2/NDF : 44.3/31

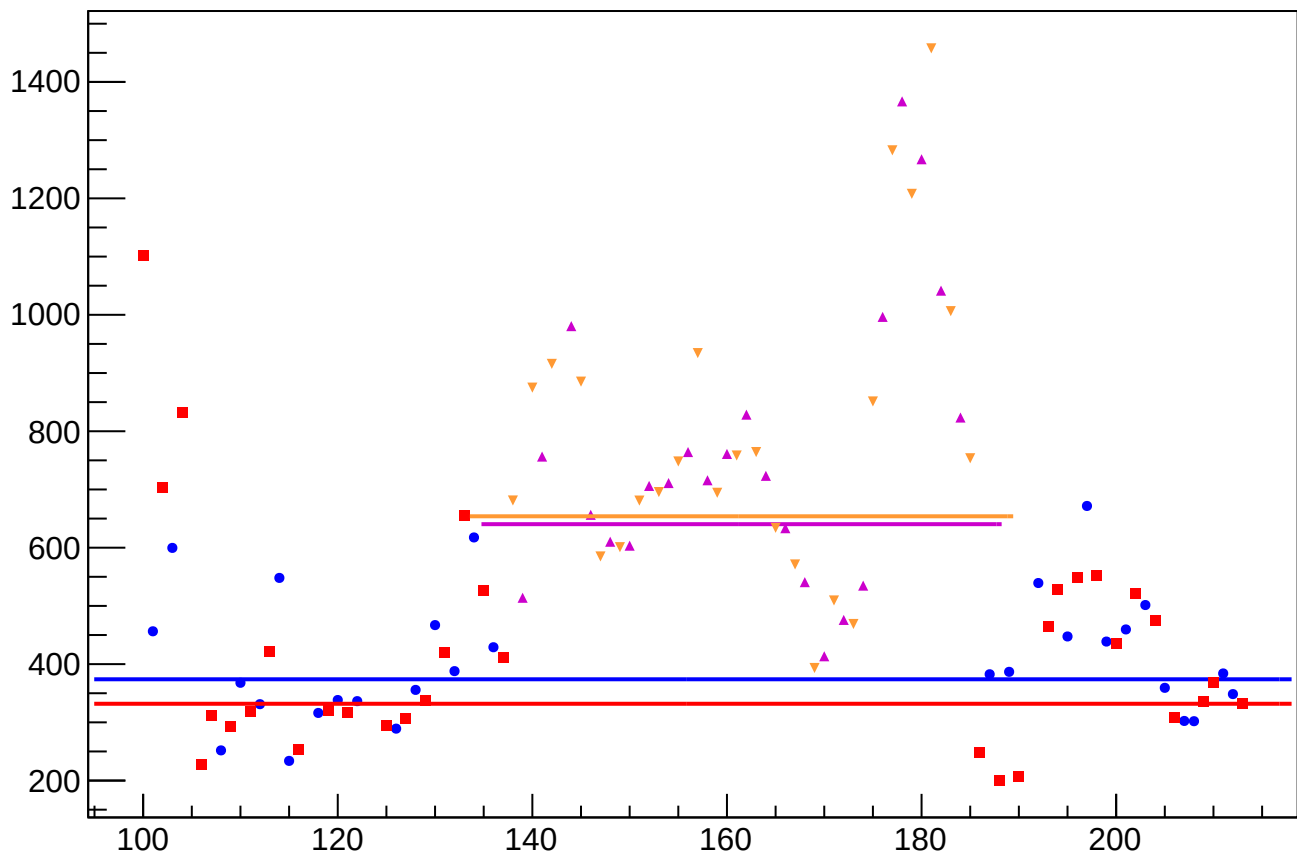
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.009 ± 0.081 χ^2/NDF : 55.9/52

All: -0.021 ± 0.055 χ^2/NDF : 131.7/107

- sign -0.030 ± 0.074 χ^2/NDF : 75.7/54

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 373.965 ± 0.067 χ^2/NDF : 1745606.4/28

Left Out: 653.930 ± 0.114 χ^2/NDF : 3124692.9/23

Right Out: 331.913 ± 0.060 χ^2/NDF : 3607139.1/31

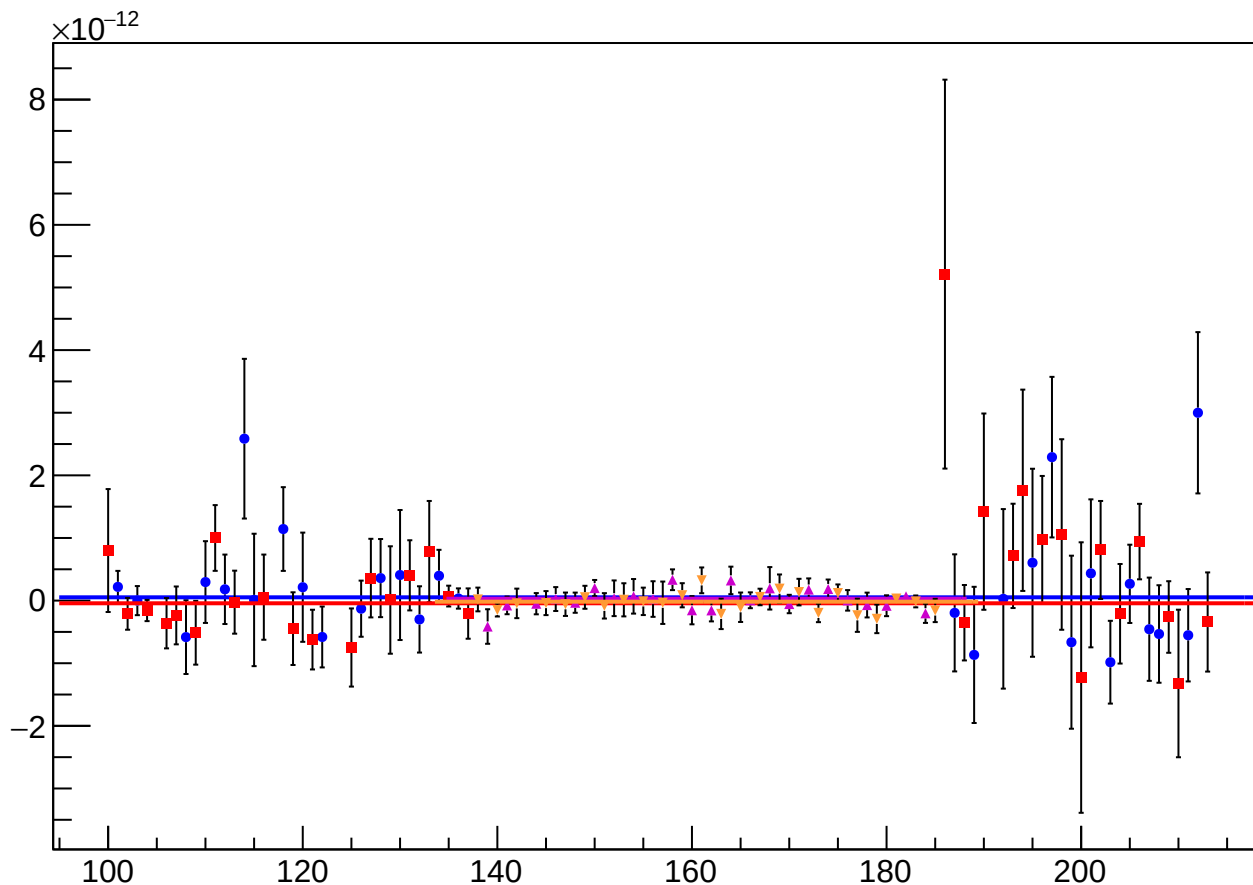
Left In: 640.395 ± 0.112 χ^2/NDF : 2648118.2/22

+ sign 445.405 ± 0.058 χ^2/NDF : 9356486.4/52

All: 420.827 ± 0.039 χ^2/NDF : 21887394.0/10

- sign 400.362 ± 0.053 χ^2/NDF : 12197518.1/54

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/31

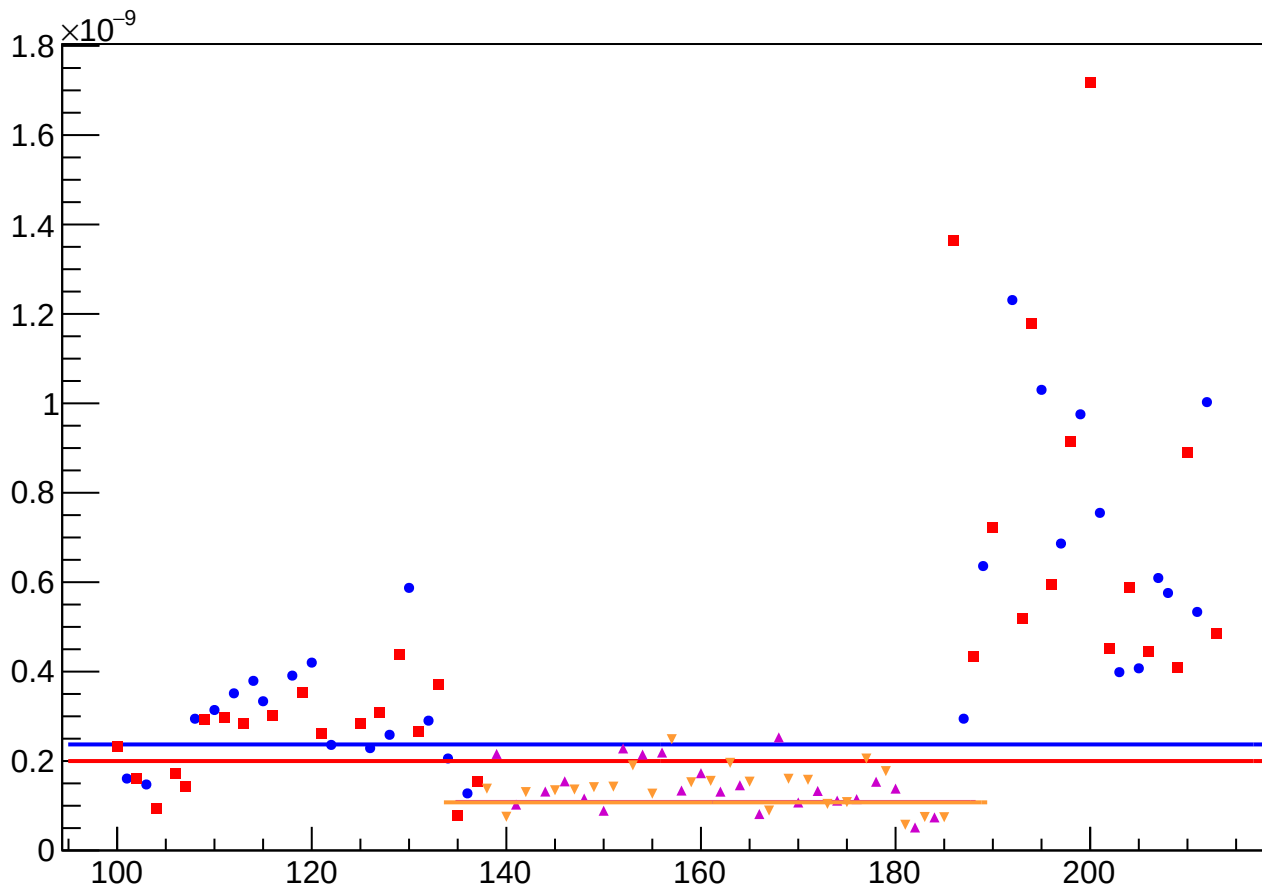
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.2/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.7/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/54

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7102954.7/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8541834.3/31

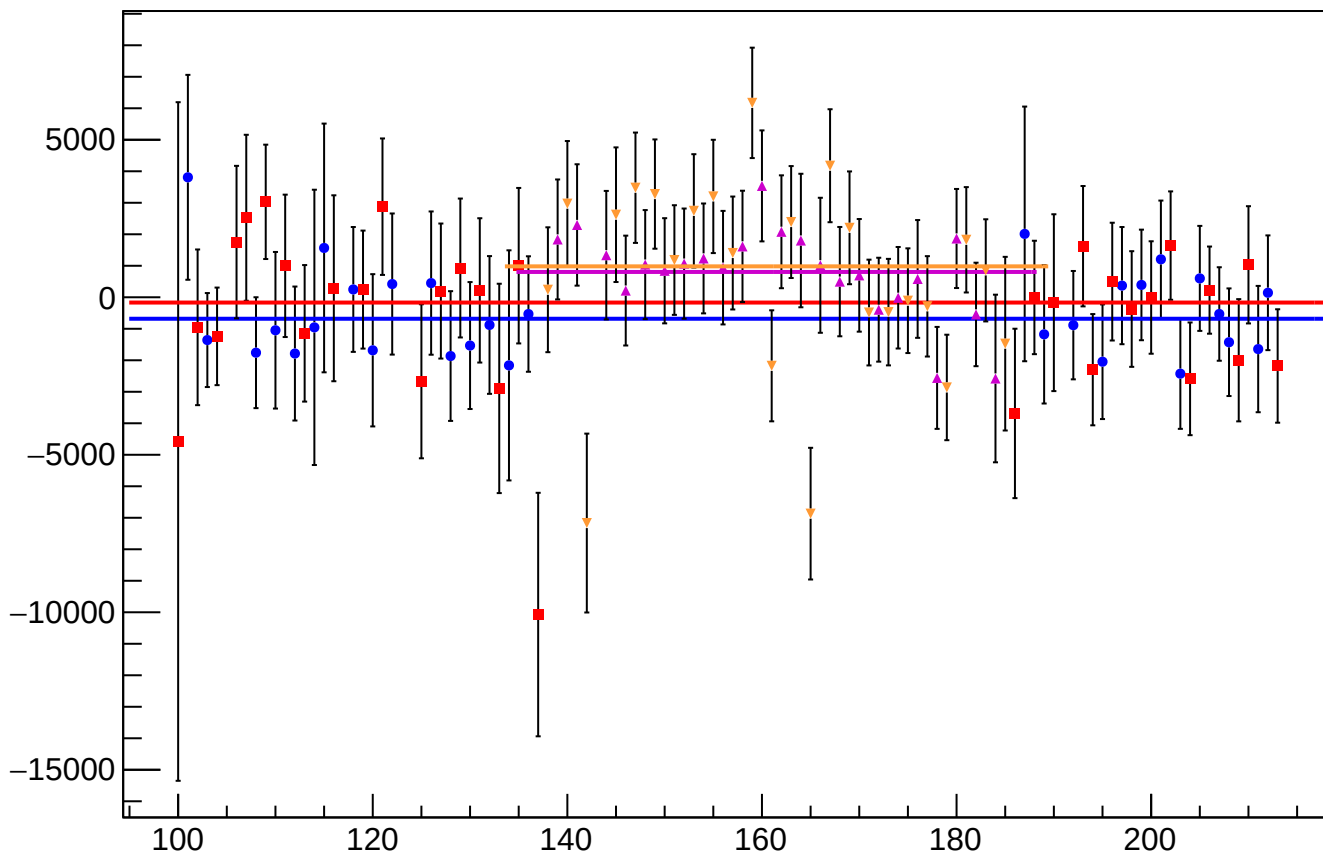
Left In: 0.000+/-0.000 χ^2/NDF : 3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 14187521.8/52

All: 0.000+/-0.000 χ^2/NDF : 28818478.6/107

- sign 0.000+/-0.000 χ^2/NDF : 14629497.0/54

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -681.809 ± 375.530 χ^2/NDF : 9.7/28

Left Out: 981.627 ± 370.843 χ^2/NDF : 55.5/23

Right Out: -167.621 ± 366.787 χ^2/NDF : 26.6/31

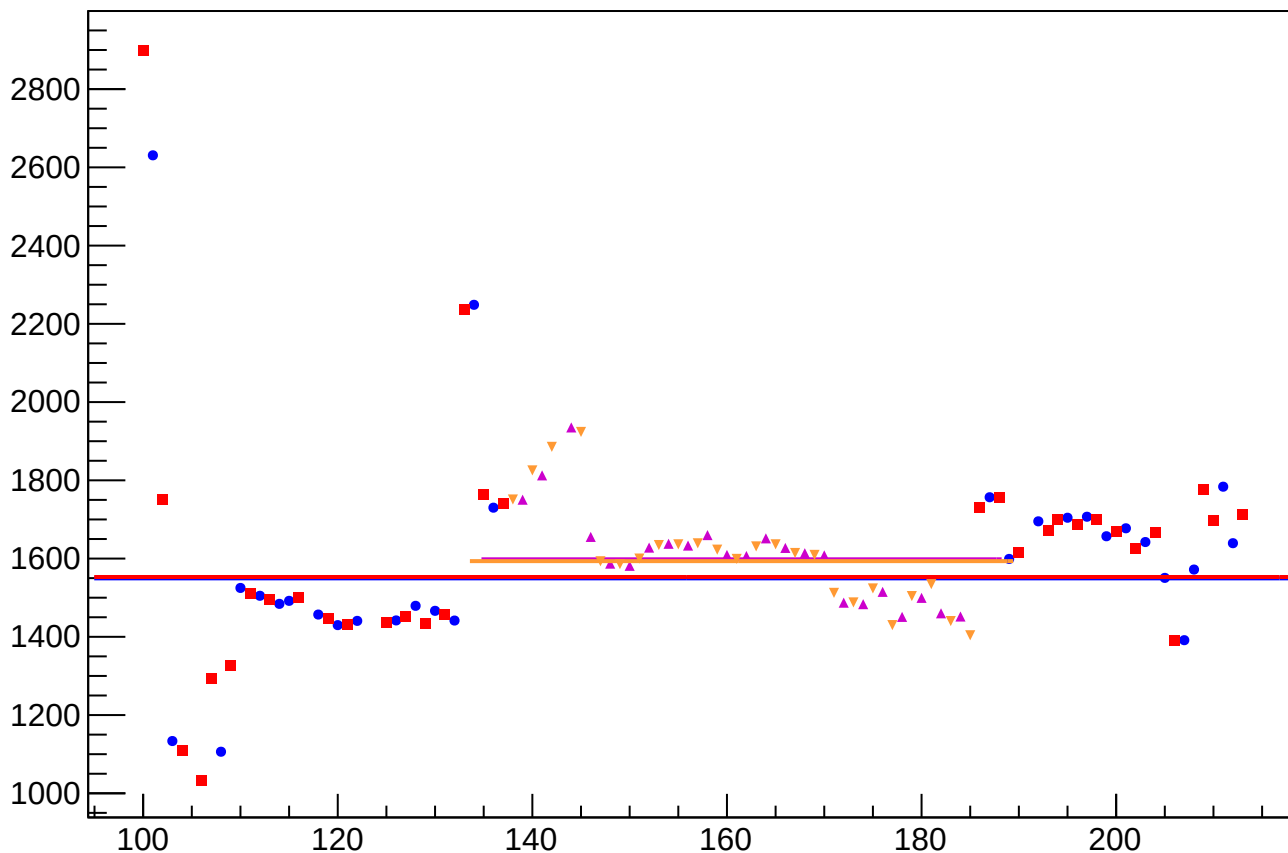
Left In: 803.908 ± 374.066 χ^2/NDF : 12.4/22

+ sign 160.355 ± 263.867 χ^2/NDF : 75.2/52

All: 235.034 ± 185.880 χ^2/NDF : 117.8/107

- sign 308.600 ± 261.893 χ^2/NDF : 42.5/54

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1549.432 $\pm$ 0.266 χ^2 /NDF: 754205.9/28

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF:187613.7/23

Right Out: 1552.910 $\pm$ 0.258 χ^2 /NDF: 697616.9/31

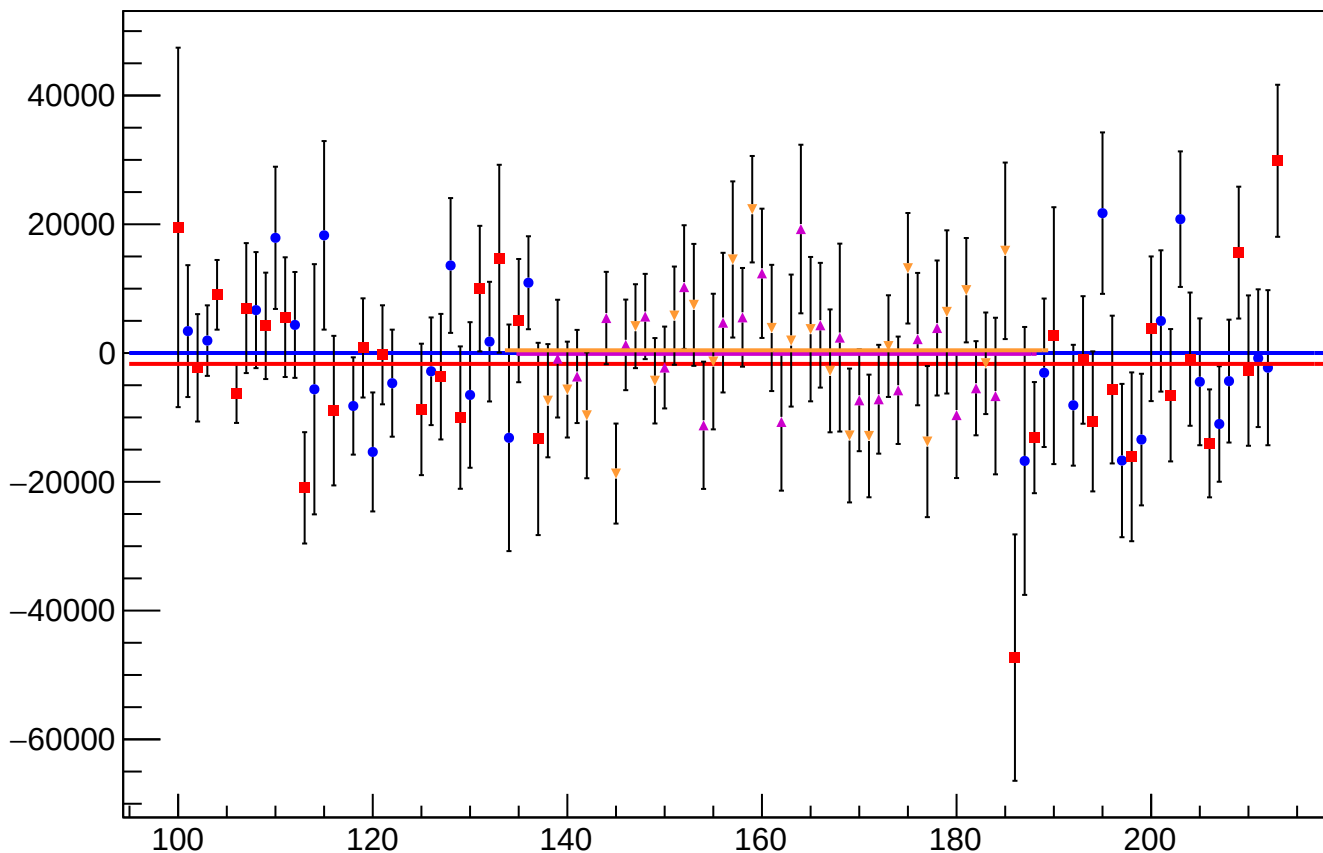
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF:169157.7/22

+ sign 1571.734 $\pm$ 0.187 χ^2 /NDF: 955751.9/52

All: 1573.379 $\pm$ 0.131 χ^2 /NDF: 1837623.1/10

- sign 1574.995 $\pm$ 0.185 χ^2 /NDF: 881717.1/54

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 8.925 ± 1809.958 χ^2/NDF : 28.8/28

Left Out: 426.701 ± 1819.878 χ^2/NDF : 29.4/23

Right Out: -1686.439 ± 1660.090 χ^2/NDF : 39.9/31

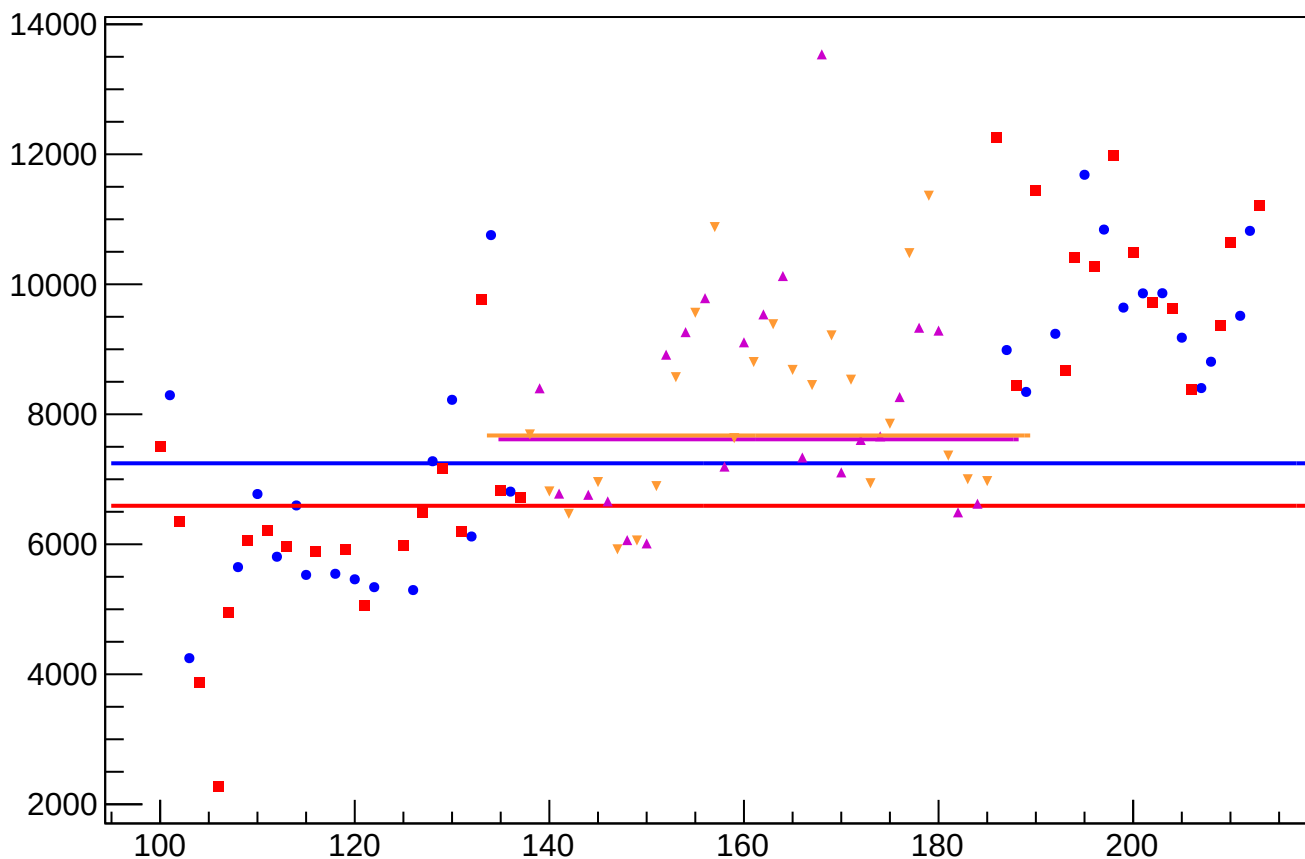
Left In: -126.369 ± 1814.830 χ^2/NDF : 13.9/22

+ sign 216.672 ± 1283.327 χ^2/NDF : 58.3/52

All: -407.284 ± 886.078 χ^2/NDF : 112.8/107

- sign -975.738 ± 1224.920 χ^2/NDF : 54.1/54

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7245.984+/-1.280 χ^2/NDF : 2630658.9/28

Left Out: 7674.060+/-1.287 χ^2/NDF : 1076713.7/23

Right Out: 6592.372+/-1.174 χ^2/NDF : 5230262.5/31

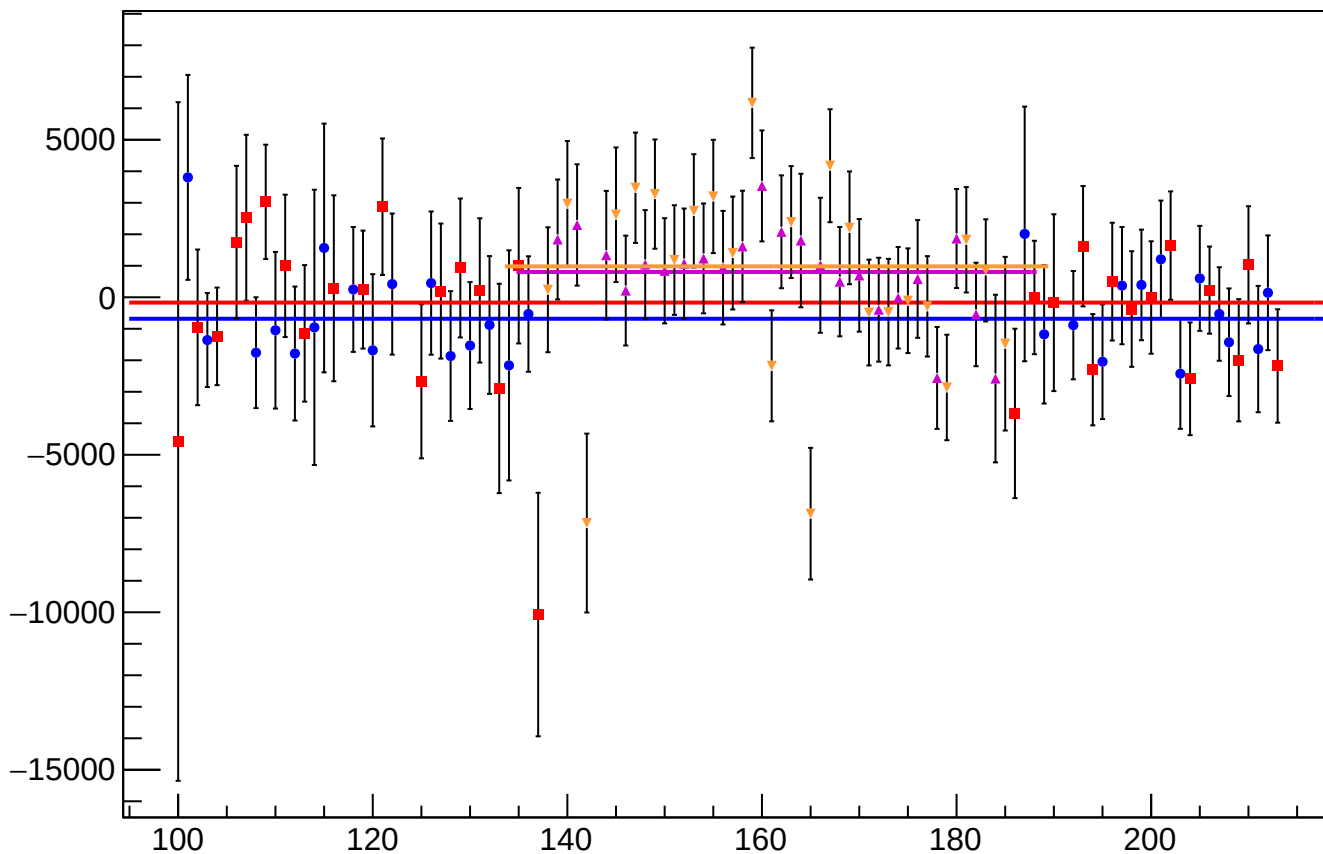
Left In: 7614.974+/-1.283 χ^2/NDF : 1224520.2/22

+ sign 7458.852+/-0.907 χ^2/NDF : 3763004.5/52

All: 7249.215+/-0.627 χ^2/NDF : 10665498.0/101

- sign 7058.226+/-0.866 χ^2/NDF : 6800501.9/54

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -681.876 ± 375.530 χ^2/NDF : 9.7/28

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -167.636 ± 366.787 χ^2/NDF : 26.6/31

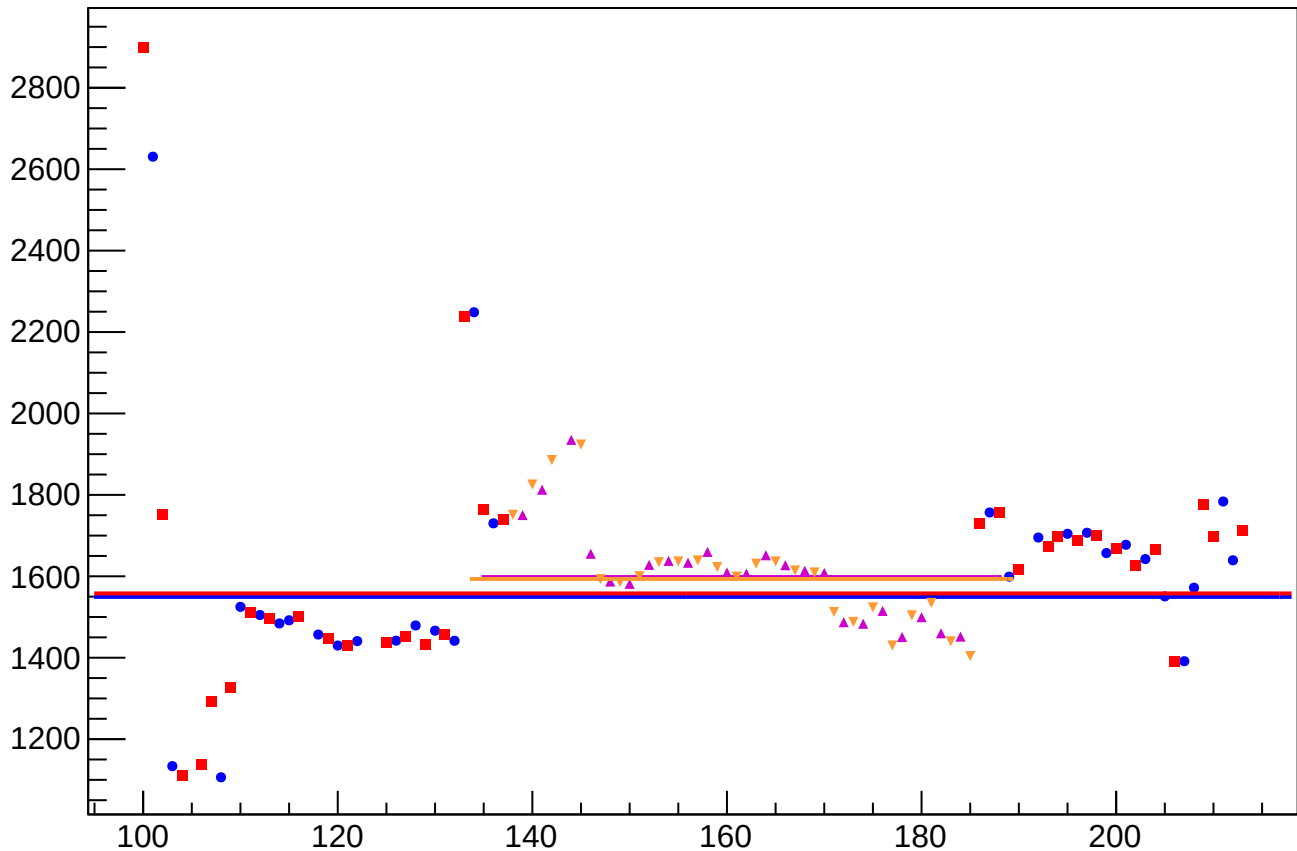
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 160.365 ± 263.867 χ^2/NDF : 75.2/52

All: 235.004 ± 185.880 χ^2/NDF : 117.8/107

- sign 308.531 ± 261.893 χ^2/NDF : 42.5/54

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1549.432 $\pm$ 0.266 χ^2 /NDF: 754206.3/28

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1557.898 $\pm$ 0.259 χ^2 /NDF: 642626.8/31

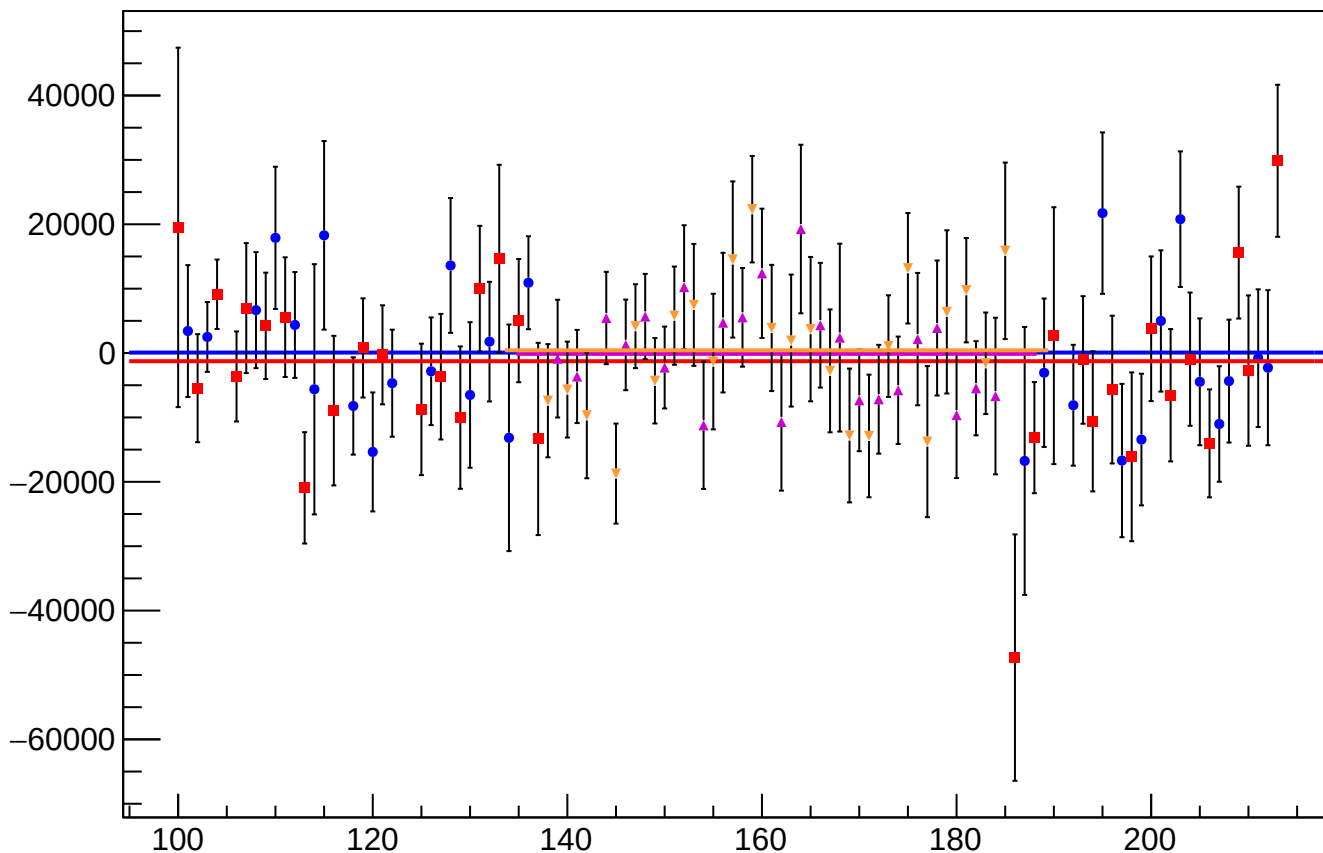
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1571.734 $\pm$ 0.187 χ^2 /NDF: 955752.3/52

All: 1574.687 $\pm$ 0.131 χ^2 /NDF: 1779834.1/10

- sign 1577.593 $\pm$ 0.185 χ^2 /NDF: 823584.8/54

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 76.565 $\pm$ 1808.041 χ^2 /NDF: 28.9/28

Left Out: 426.702 $\pm$ 1819.879 χ^2 /NDF: 29.4/23

Right Out: -1266.777 $\pm$ 1726.423 χ^2 /NDF: 39.2/31

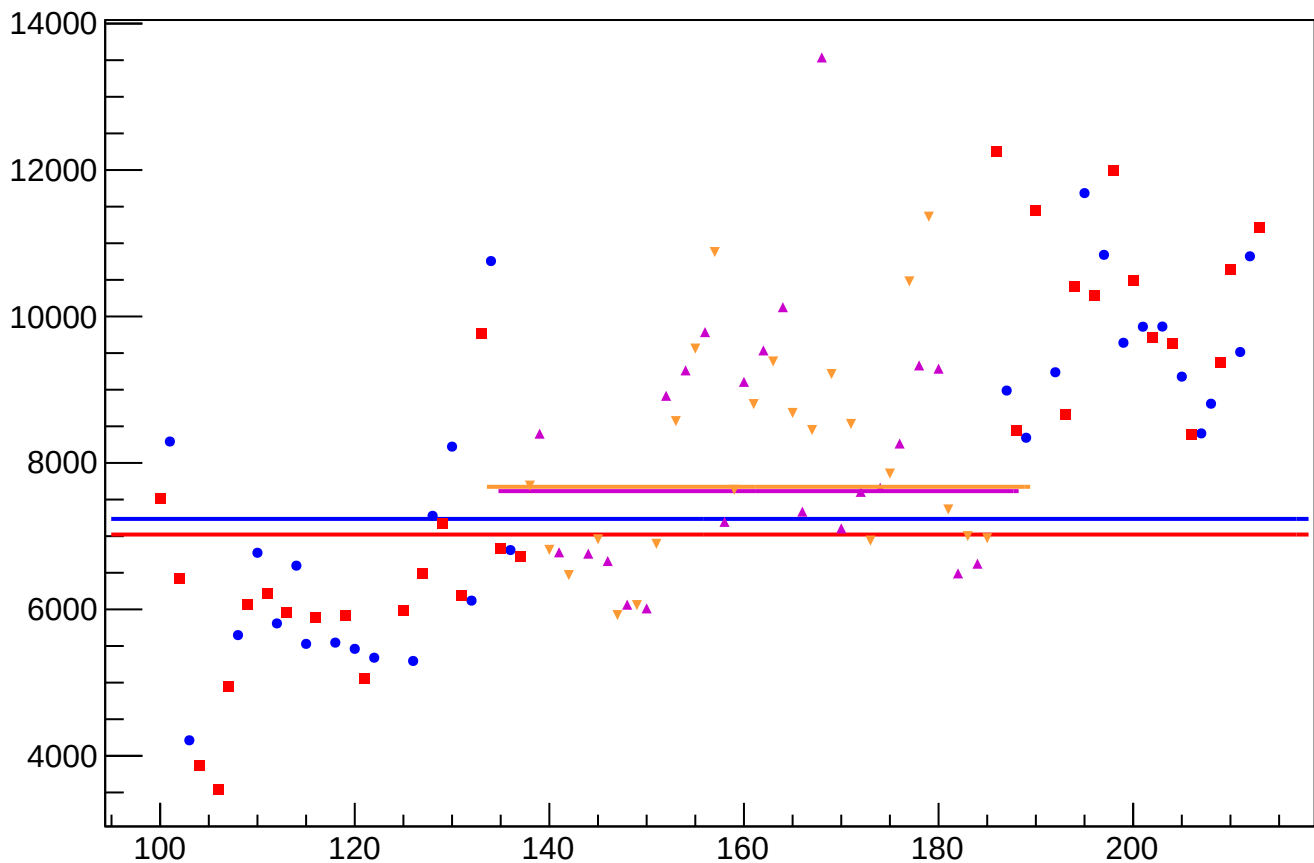
Left In: -126.376 $\pm$ 1814.828 χ^2 /NDF: 13.9/22

+ sign 250.491 $\pm$ 1282.643 χ^2 /NDF: 58.3/52

All: -249.508 $\pm$ 895.514 χ^2 /NDF: 111.9/107

- sign -725.028 $\pm$ 1250.851 χ^2 /NDF: 53.2/54

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 7235.663+/-1.278 χ^2/NDF : 2656823.5/28

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 7022.109+/-1.221 χ^2/NDF : 3708097.5/31

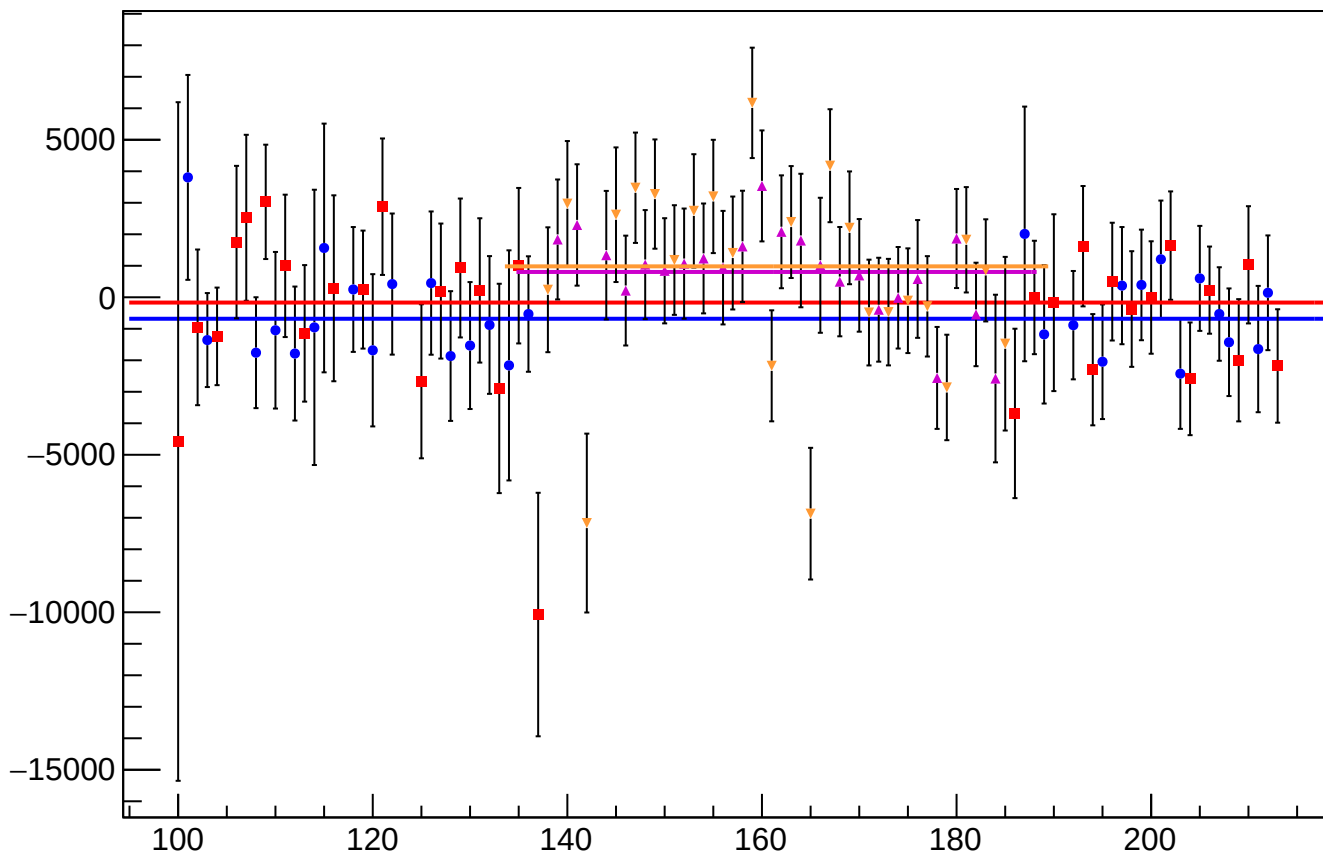
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7453.432+/-0.907 χ^2/NDF : 3791945.2/52

All: 7376.711+/-0.633 χ^2/NDF : 8850569.3/10

- sign 7303.746+/-0.884 χ^2/NDF : 5044663.1/54

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -681.876 ± 375.530 χ^2/NDF : 9.7/28

Left Out: 981.712 ± 370.843 χ^2/NDF : 55.6/23

Right Out: -167.636 ± 366.787 χ^2/NDF : 26.6/31

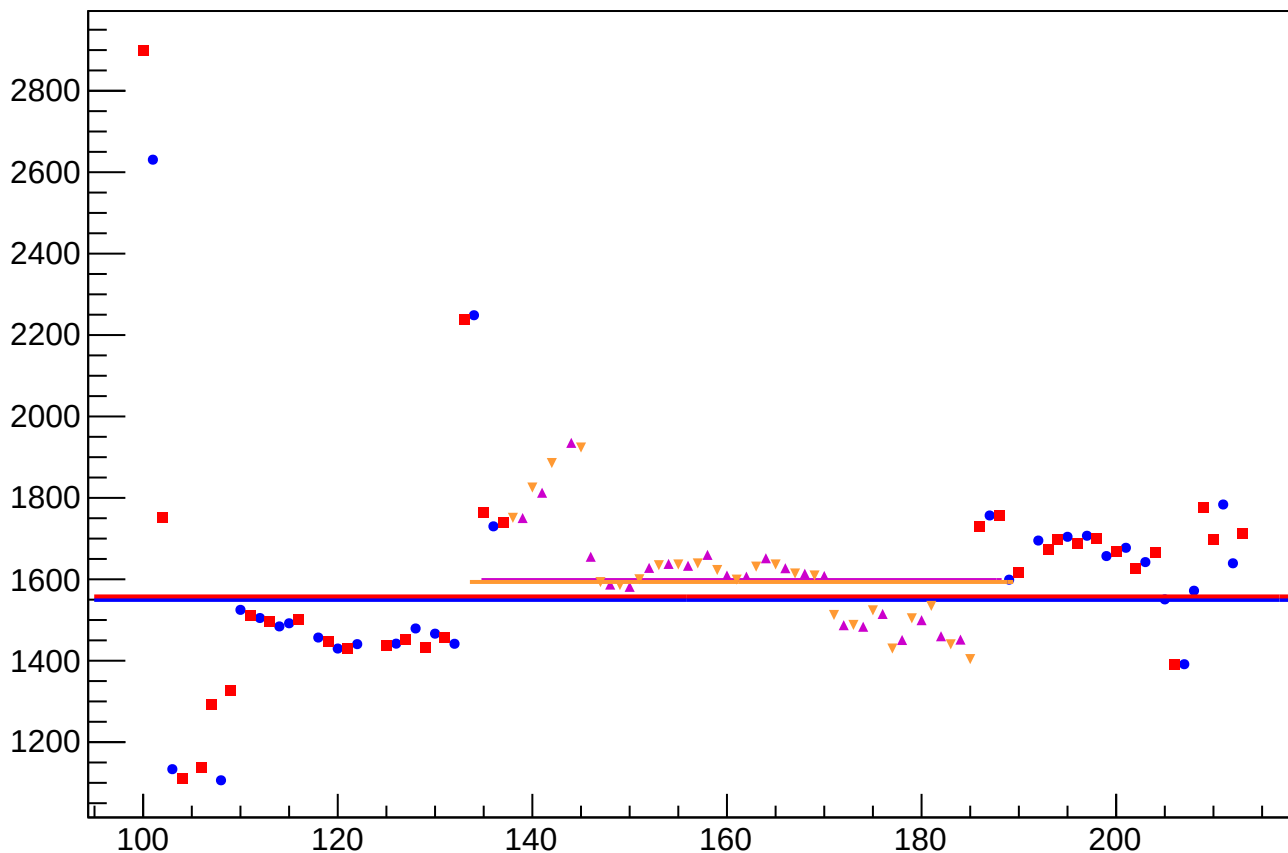
Left In: 803.783 ± 374.066 χ^2/NDF : 12.4/22

+ sign 160.365 ± 263.867 χ^2/NDF : 75.2/52

All: 235.004 ± 185.880 χ^2/NDF : 117.8/107

- sign 308.531 ± 261.893 χ^2/NDF : 42.5/54

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1549.432 $\pm$ 0.266 χ^2 /NDF: 754206.3/28

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF:187613.7/23

Right Out: 1557.898 $\pm$ 0.259 χ^2 /NDF: 642626.8/31

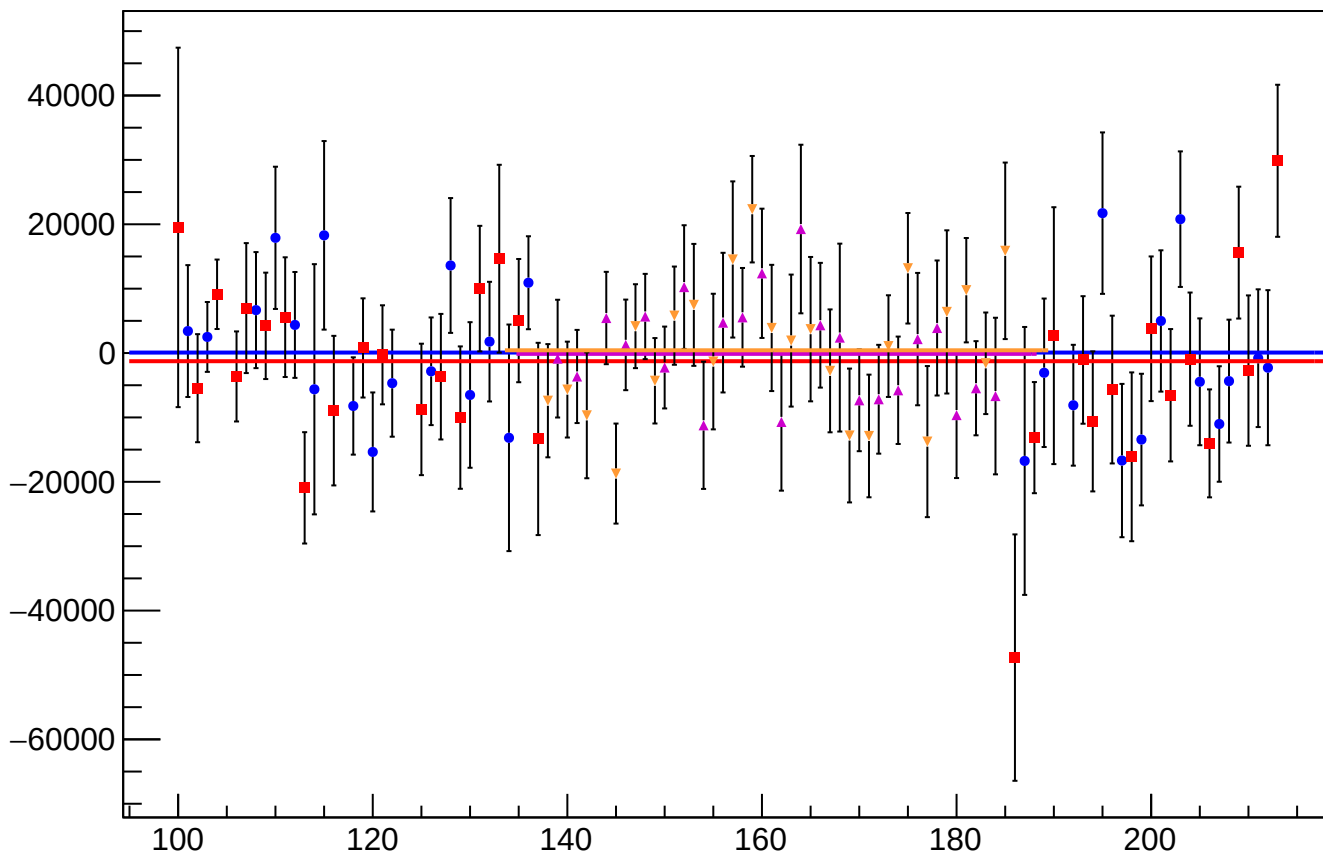
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF:169157.7/22

+ sign 1571.734 $\pm$ 0.187 χ^2 /NDF: 955752.3/52

All: 1574.687 $\pm$ 0.131 χ^2 /NDF: 1779834.1/10

- sign 1577.593 $\pm$ 0.185 χ^2 /NDF: 823584.8/54

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 76.565 $\pm$ 1808.041 χ^2 /NDF: 28.9/28

Left Out: 426.702 $\pm$ 1819.879 χ^2 /NDF: 29.4/23

Right Out: -1266.777 $\pm$ 1726.423 χ^2 /NDF: 39.2/31

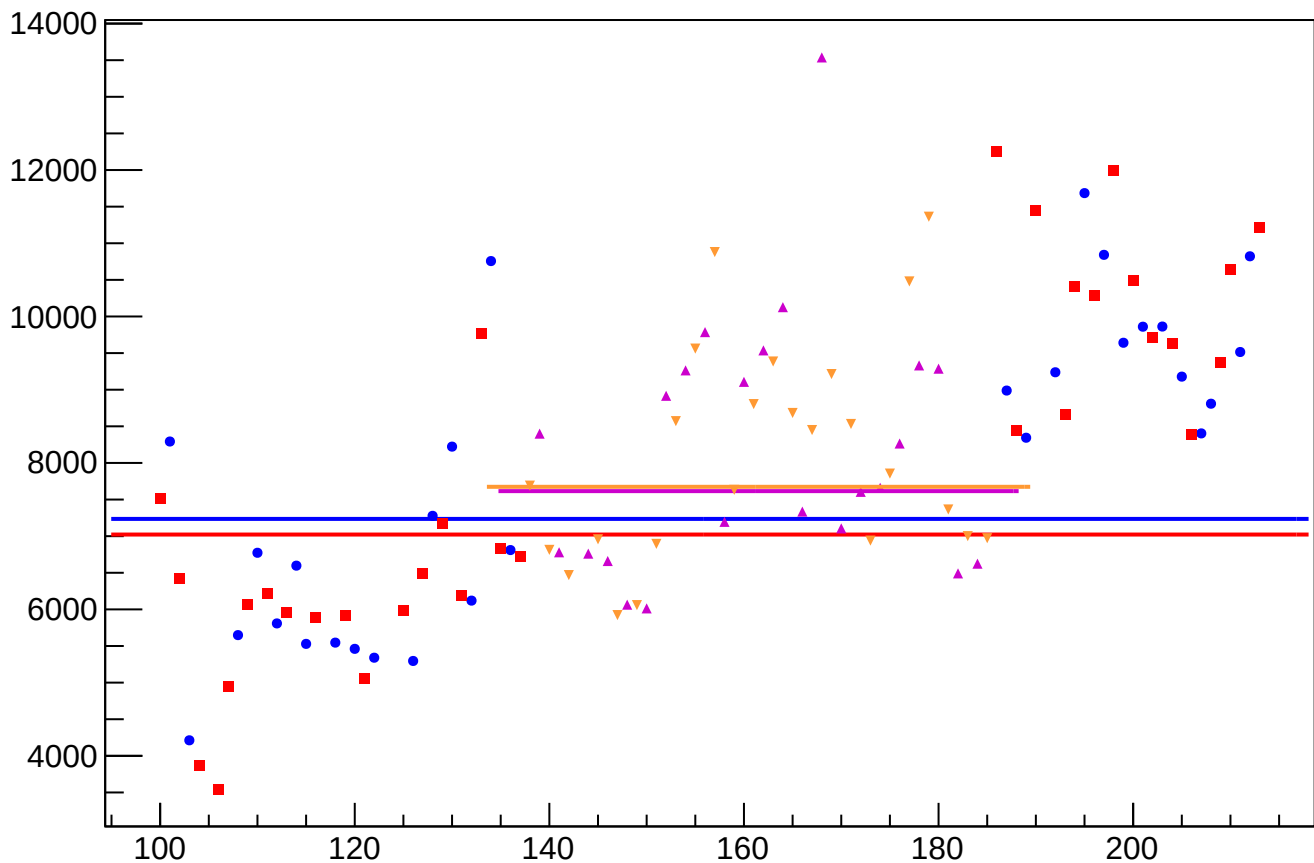
Left In: -126.376 $\pm$ 1814.828 χ^2 /NDF: 13.9/22

+ sign 250.491 $\pm$ 1282.643 χ^2 /NDF: 58.3/52

All: -249.508 $\pm$ 895.514 χ^2 /NDF: 111.9/107

- sign -725.028 $\pm$ 1250.851 χ^2 /NDF: 53.2/54

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 7235.663 $\pm$ 1.278 χ^2 /NDF: 2656823.5/28

Left Out: 7674.063 $\pm$ 1.287 χ^2 /NDF: 1076712.6/23

Right Out: 7022.109 $\pm$ 1.221 χ^2 /NDF: 3708097.5/31

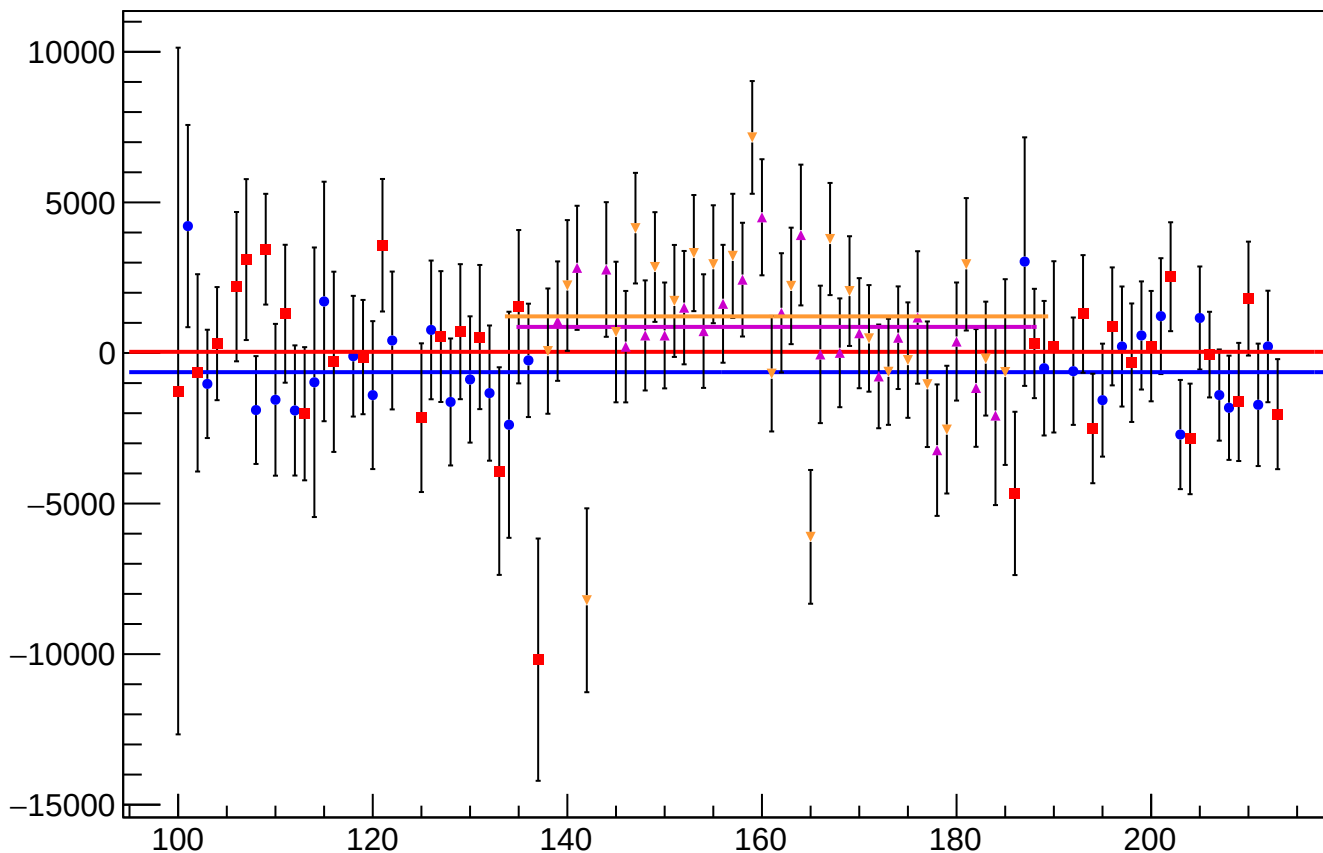
Left In: 7614.964 $\pm$ 1.283 χ^2 /NDF: 1224525.6/22

+ sign 7453.432 $\pm$ 0.907 χ^2 /NDF: 3791945.2/52

All: 7376.711 $\pm$ 0.633 χ^2 /NDF: 8850569.3/10

- sign 7303.746 $\pm$ 0.884 χ^2 /NDF: 5044663.1/54

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -636.706 $\pm$ 388.297 χ^2/NDF : 11.0/28

Left Out: 1215.353 $\pm$ 409.584 χ^2/NDF : 48.5/23

Right Out: 38.050 $\pm$ 380.583 χ^2/NDF : 31.4/31

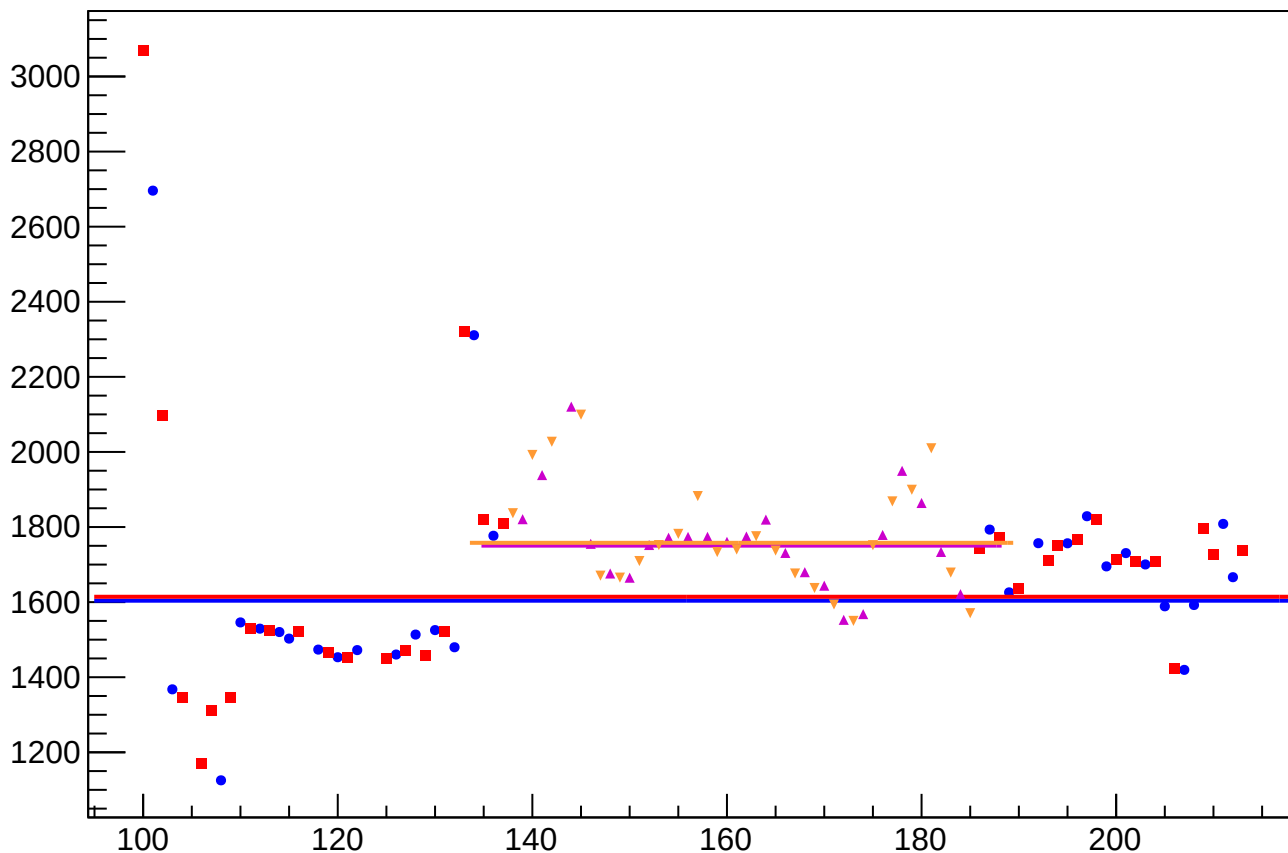
Left In: 866.022 $\pm$ 410.038 χ^2/NDF : 15.1/22

+ sign 239.946 $\pm$ 281.793 χ^2/NDF : 70.3/52

All: 331.509 $\pm$ 198.243 χ^2/NDF : 119.2/107

- sign 421.231 $\pm$ 278.945 χ^2/NDF : 48.7/54

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1603.804+/-0.275 χ^2/NDF : 654862.0/28

Left Out: 1757.965+/-0.290 χ^2/NDF : 213284.1/23

Right Out: 1614.285+/-0.269 χ^2/NDF : 568873.7/31

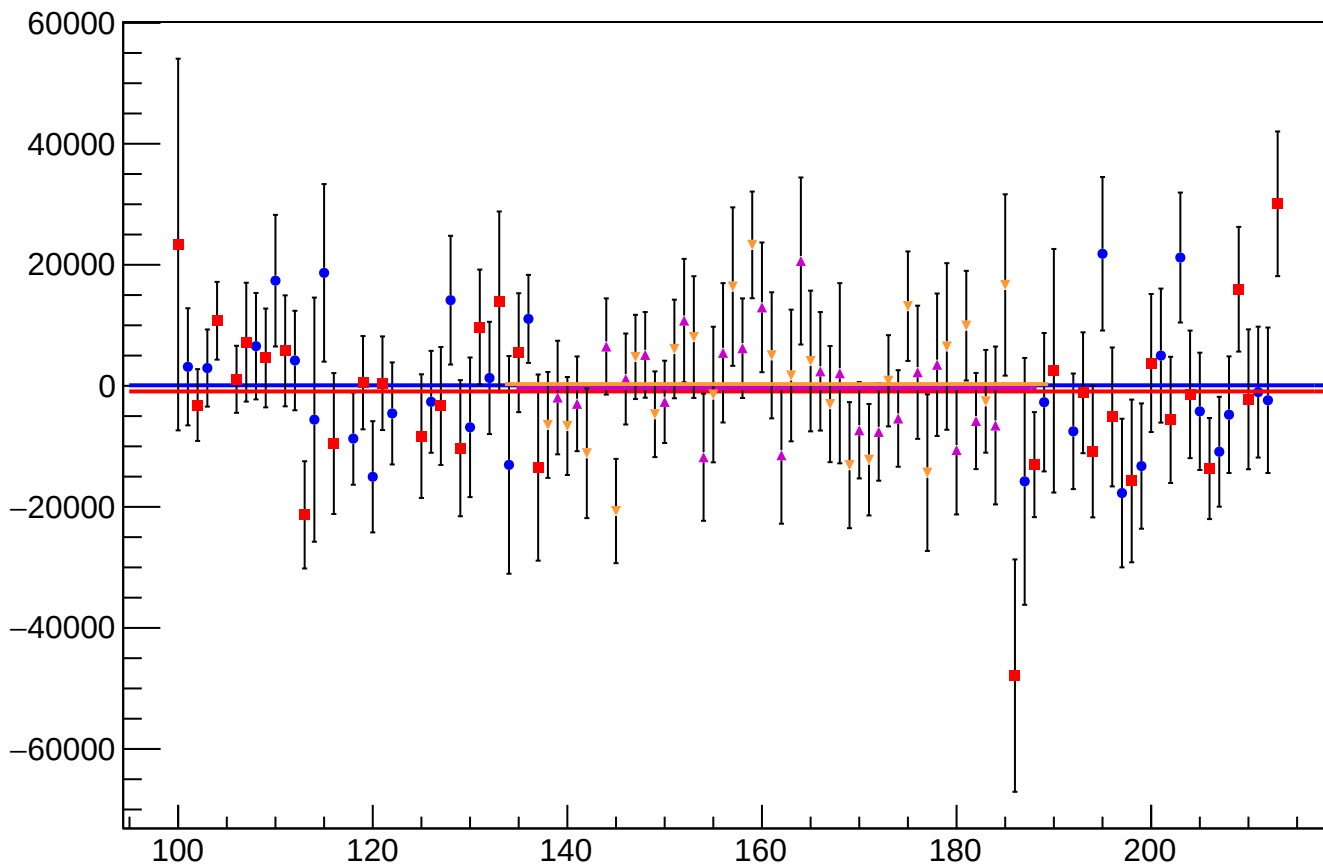
Left In: 1750.477+/-0.290 χ^2/NDF : 171889.4/22

+ sign 1676.774+/-0.199 χ^2/NDF : 1017364.8/52

All: 1677.043+/-0.140 χ^2/NDF : 1876673.6/10

- sign 1677.306+/-0.197 χ^2/NDF : 859305.2/54

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 86.066+/-1841.607 χ^2/NDF : 28.7/28

Left Out: 284.925+/-1920.134 χ^2/NDF : 28.7/23

Right Out: -921.087+/-1691.113 χ^2/NDF : 38.7/31

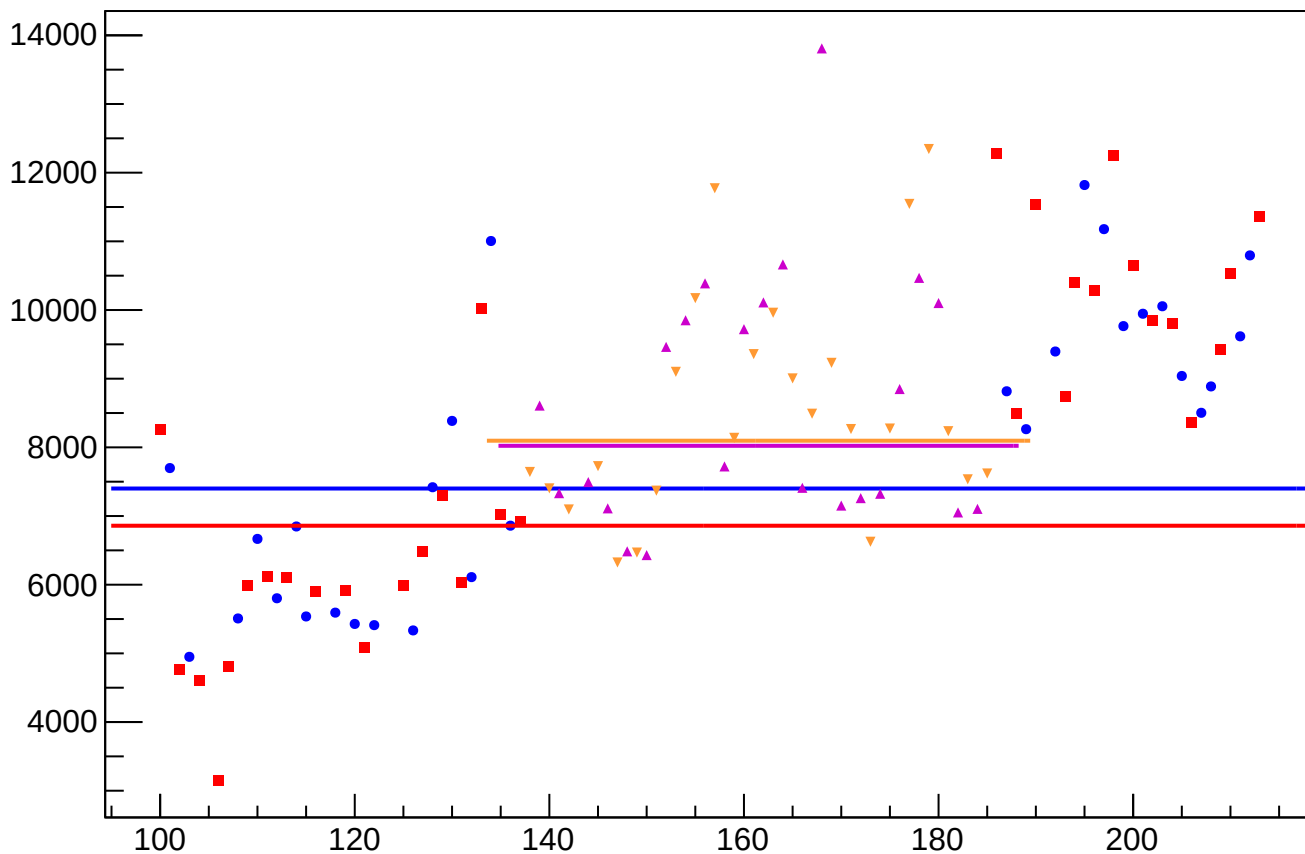
Left In: -382.660+/-1912.385 χ^2/NDF : 13.6/22

+ sign 181.346+/-1329.107 χ^2/NDF : 57.4/52

All: -272.497+/-917.014 χ^2/NDF : 109.9/107

- sign -684.811+/-1266.839 χ^2/NDF : 52.3/54

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7400.570+/-1.302 χ^2/NDF : 2340131.7/28

Left Out: 8096.821+/-1.358 χ^2/NDF : 1087790.8/23

Right Out: 6858.721+/-1.196 χ^2/NDF : 4144529.4/31

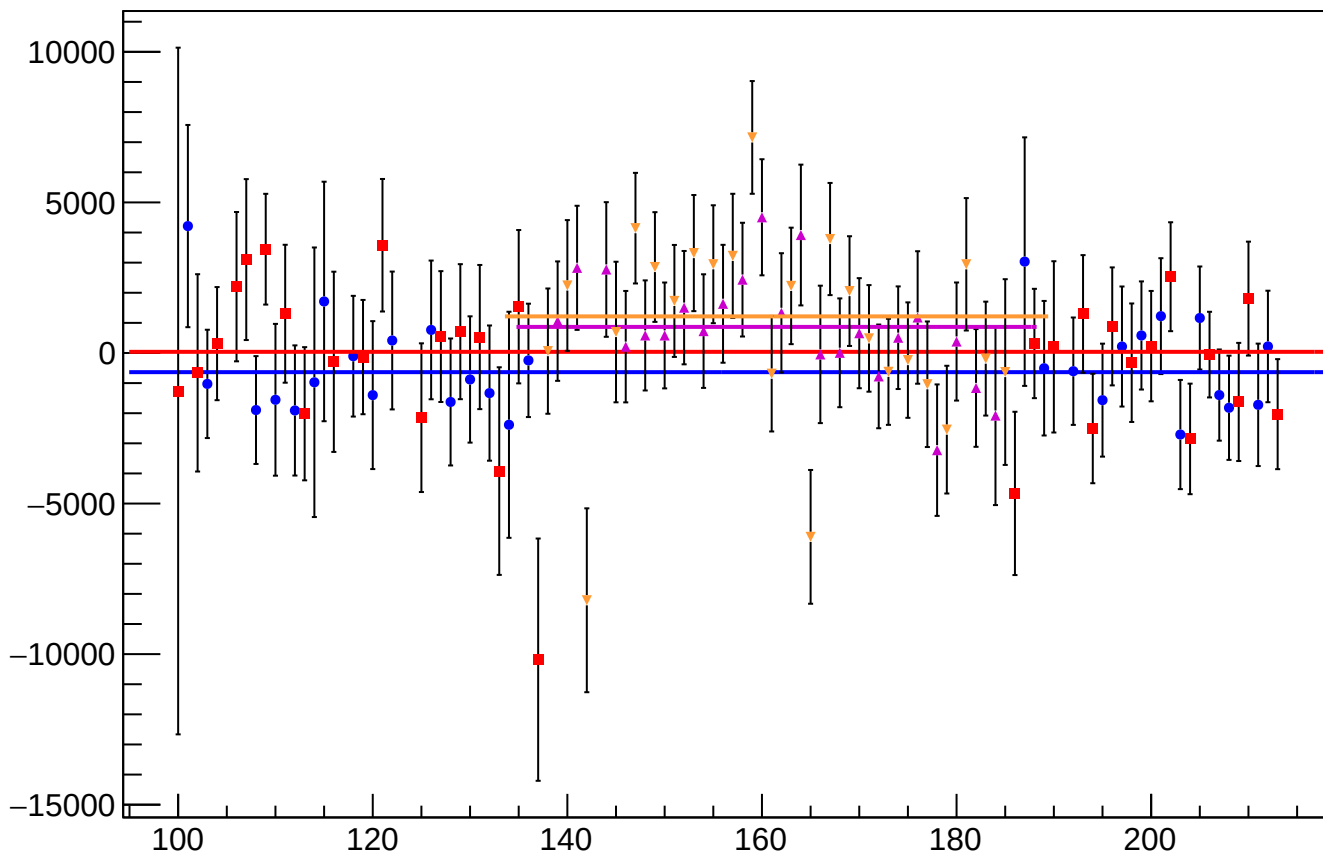
Left In: 8022.726+/-1.352 χ^2/NDF : 1225549.2/22

+ sign 7734.167+/-0.940 χ^2/NDF : 3564892.1/52

All: 7543.100+/-0.648 χ^2/NDF : 9429654.4/10

- sign 7369.516+/-0.896 χ^2/NDF : 5785881.0/54

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -636.704 $\pm$ 388.297 χ^2 /NDF: 11.0/28

Left Out: 1215.361 $\pm$ 409.585 χ^2 /NDF:48.5/23

Right Out: 38.051 $\pm$ 380.583 χ^2 /NDF: 31.4/31

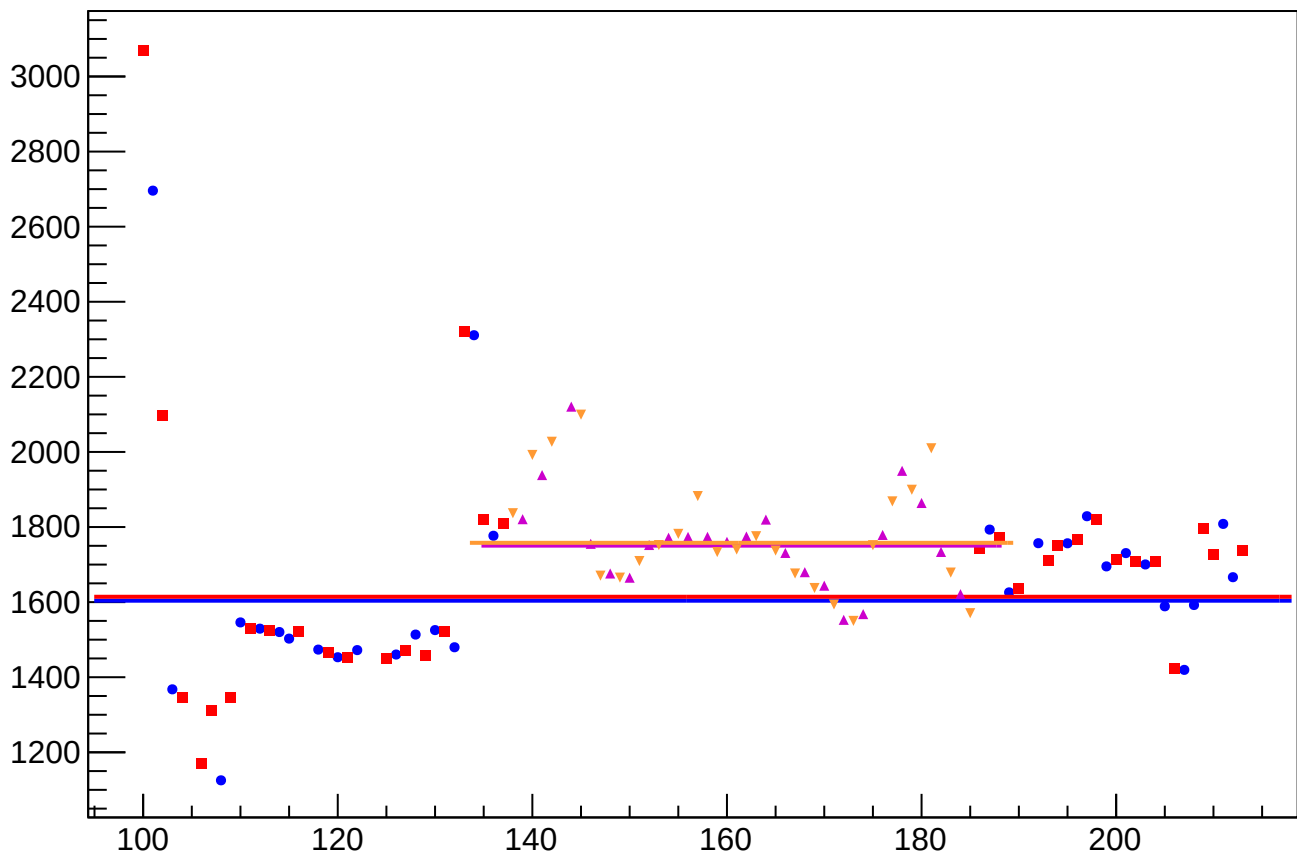
Left In: 866.021 $\pm$ 410.039 χ^2 /NDF:15.1/22

+ sign 239.949 $\pm$ 281.793 χ^2 /NDF: 70.3/52

All: 331.511 $\pm$ 198.243 χ^2 /NDF: 119.2/107

- sign 421.231 $\pm$ 278.945 χ^2 /NDF: 48.7/54

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1603.804+/-0.275 χ^2/NDF : 654862.2/28

Left Out: 1757.968+/-0.290 χ^2/NDF : 213292.2/23

Right Out: 1614.286+/-0.269 χ^2/NDF : 568874.7/31

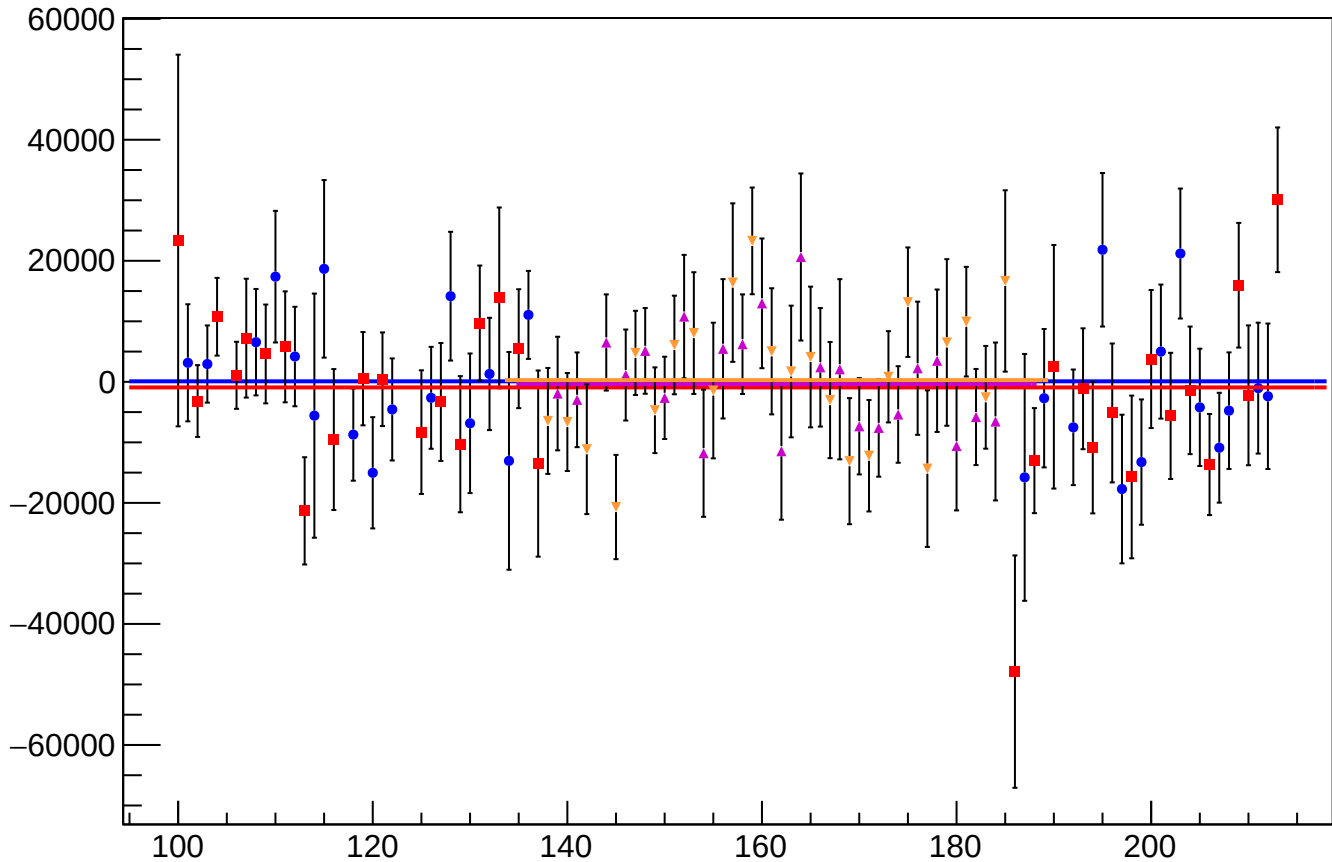
Left In: 1750.480+/-0.290 χ^2/NDF : 171897.3/22

+ sign 1676.776+/-0.199 χ^2/NDF : 1017378.0/52

All: 1677.044+/-0.140 χ^2/NDF : 1876700.3/10

- sign 1677.307+/-0.197 χ^2/NDF : 859318.7/54

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 86.059 ± 1841.606 χ^2/NDF : 28.7/28

Left Out: 284.927 ± 1920.138 χ^2/NDF : 28.7/23

Right Out: -921.078 ± 1691.111 χ^2/NDF : 38.7/31

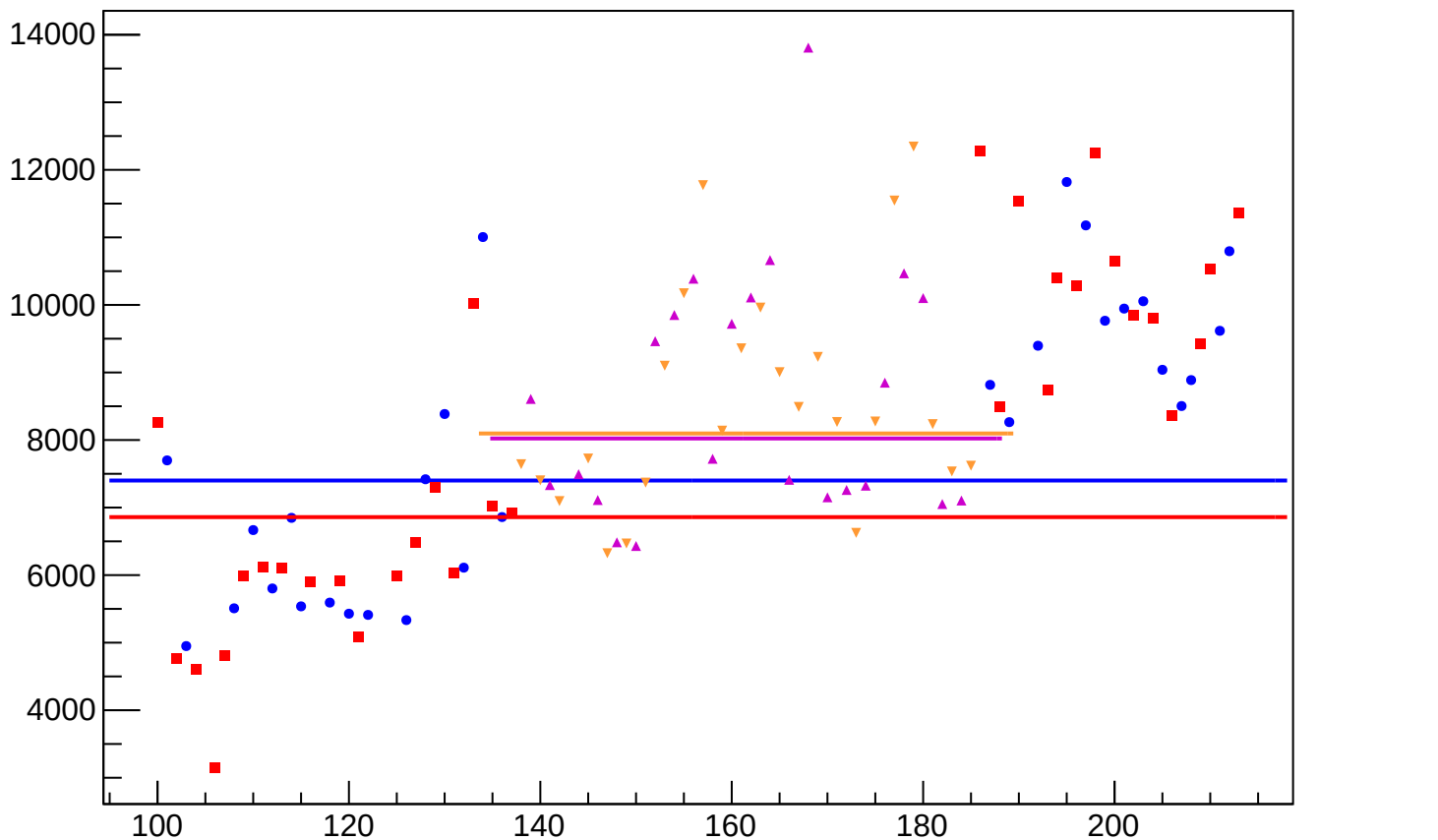
Left In: -382.663 ± 1912.388 χ^2/NDF : 13.6/22

+ sign 181.343 ± 1329.108 χ^2/NDF : 57.4/52

All: -272.497 ± 917.014 χ^2/NDF : 109.9/107

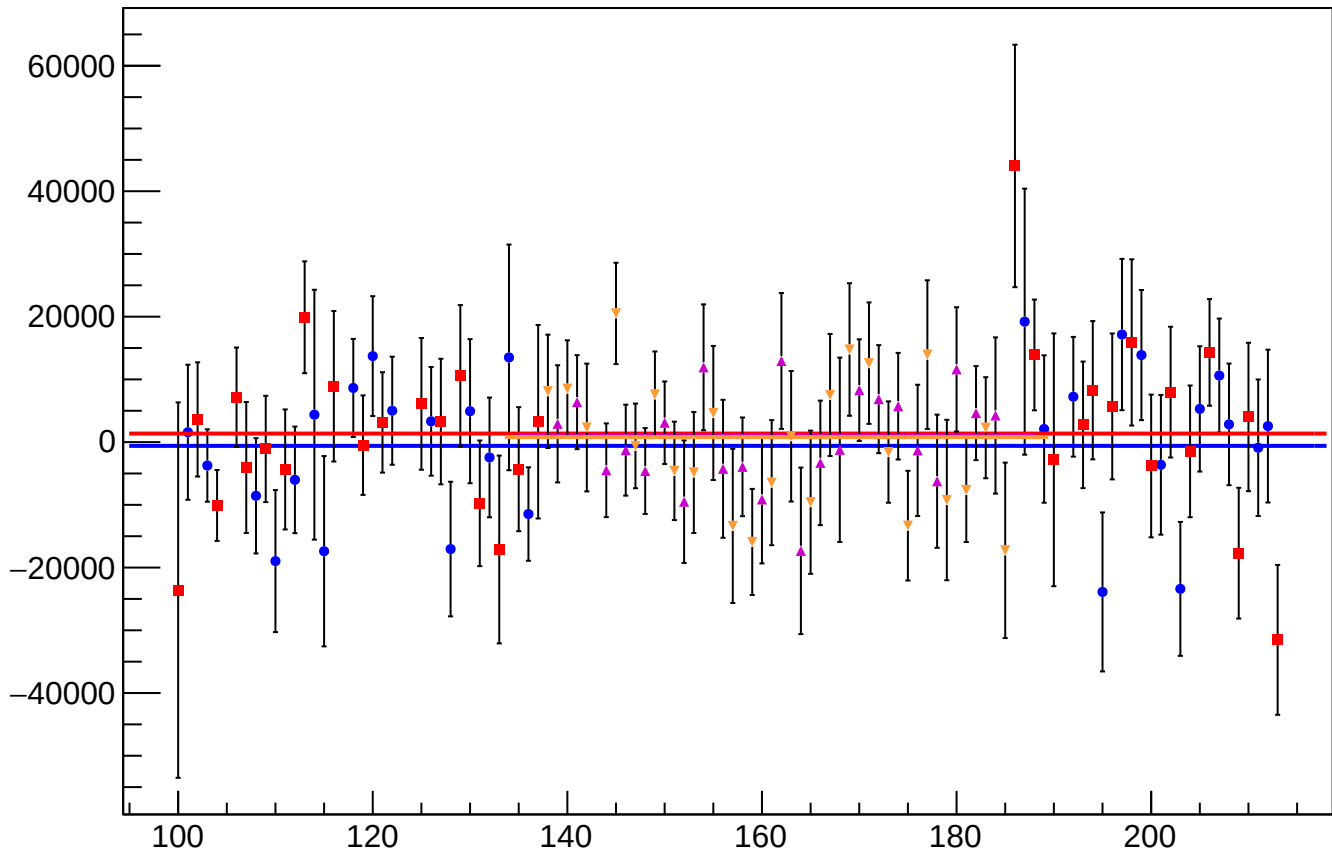
- sign -684.809 ± 1266.839 χ^2/NDF : 52.3/54

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 7400.562 $\pm$ 1.302	χ^2 /NDF: 2340164.9/28	+ sign 7734.169 $\pm$ 0.940	χ^2 /NDF: 3564935.7/52
Left Out: 8096.833 $\pm$ 1.358	χ^2 /NDF: 1087793.4/23	All: 7543.100 $\pm$ 0.648	χ^2 /NDF: 9429749.9/10
Right Out: 6858.711 $\pm$ 1.196	χ^2 /NDF: 4144561.2/31	- sign 7369.515 $\pm$ 0.896	χ^2 /NDF: 5785931.8/54
Left In: 8022.738 $\pm$ 1.352	χ^2 /NDF: 1225553.6/22		

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -596.396 ± 1859.965 χ^2/NDF : 30.8/28

Left Out: 791.264 ± 1865.111 χ^2/NDF : 27.2/23

Right Out: 1363.025 ± 1785.718 χ^2/NDF : 37.6/31

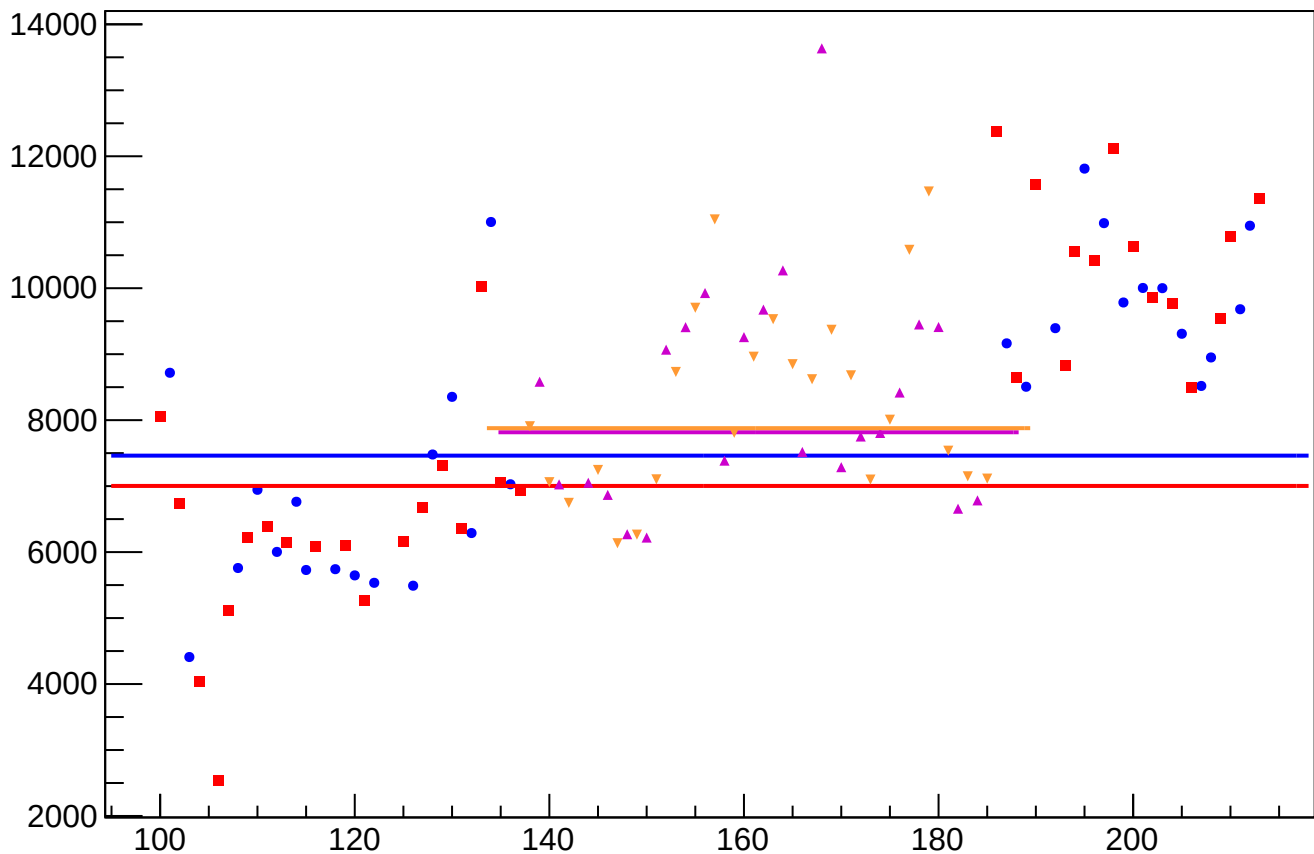
Left In: 963.967 ± 1859.926 χ^2/NDF : 12.8/22

+ sign 95.517 ± 1317.010 χ^2/NDF : 58.3/52

All: 645.495 ± 920.886 χ^2/NDF : 109.0/107

- sign 1171.616 ± 1288.129 χ^2/NDF : 50.4/54

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7462.128+/-1.315 χ^2/NDF : 2470242.6/28

Left Out: 7878.482+/-1.319 χ^2/NDF :990058.5/23

Right Out: 7002.801+/-1.233 χ^2/NDF : 4359642.9/31

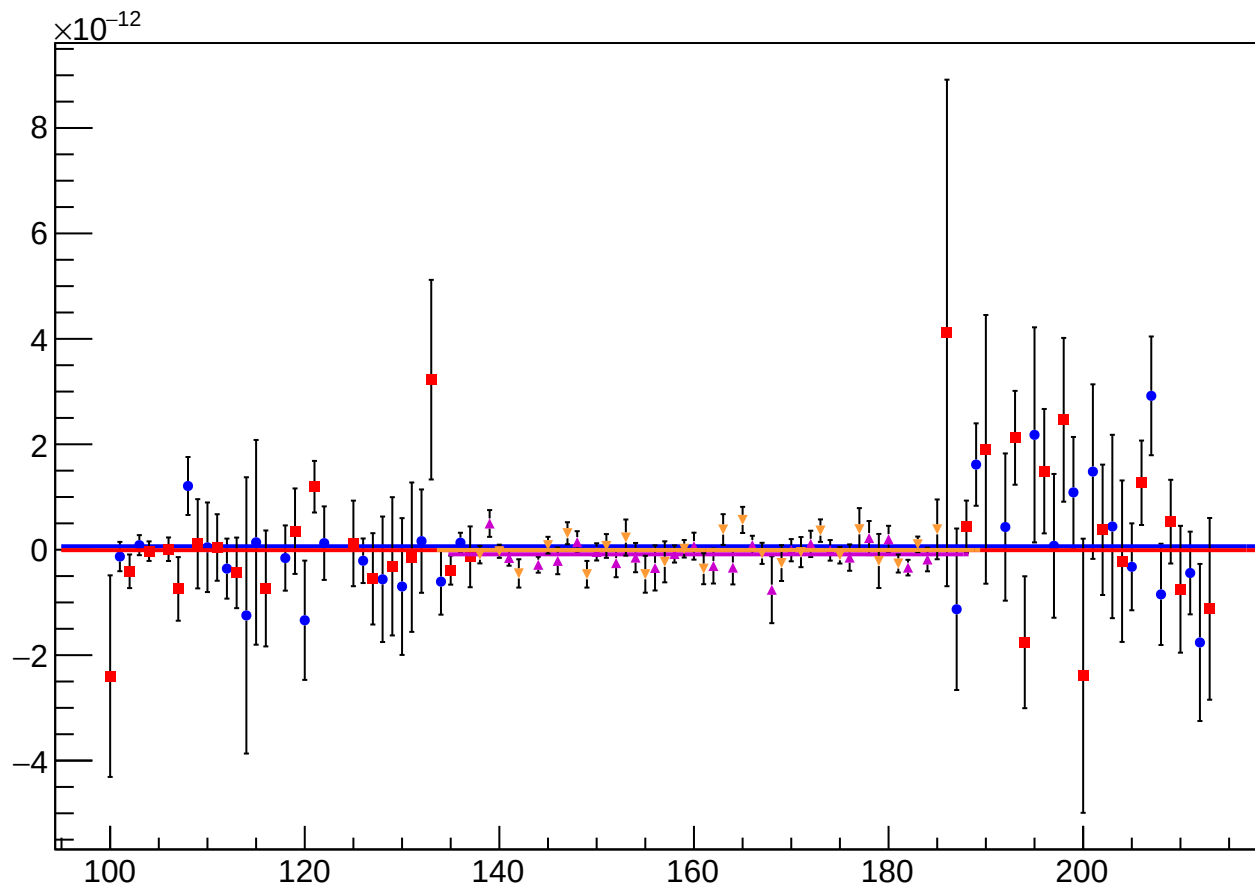
Left In: 7816.447+/-1.315 χ^2/NDF :1132368.2/22

+ sign 7669.729+/-0.931 χ^2/NDF : 3510271.9/52

All: 7521.612+/-0.647 χ^2/NDF : 9254879.4/10

- sign 7383.422+/-0.900 χ^2/NDF : 5695709.5/54

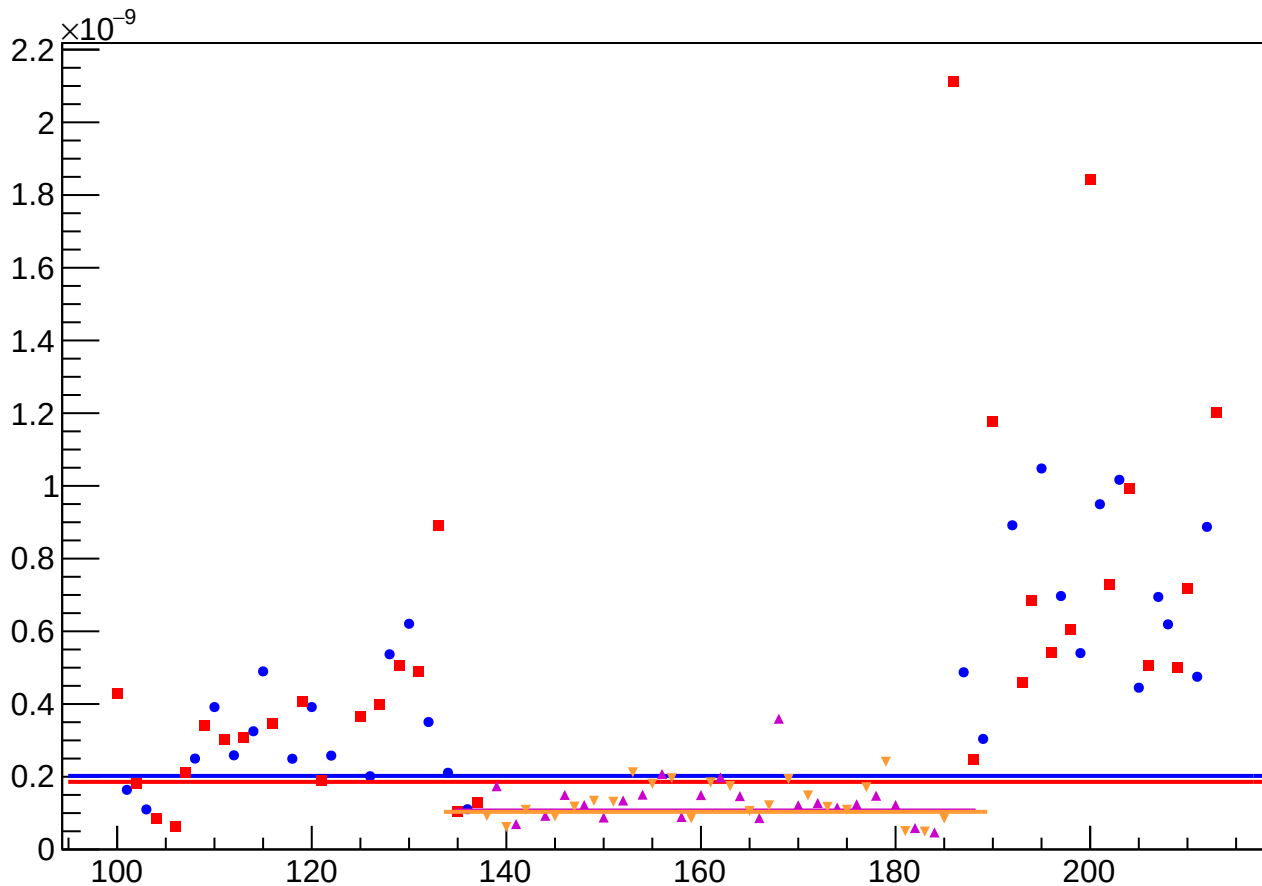
asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 26.5/28$
 Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 28.6/23$
 Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 35.8/31$
 Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 19.3/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 55.6/52$
 All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 113.2/107$
 - sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 55.7/54$

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5503895.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 1905146.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 7501508.4/31

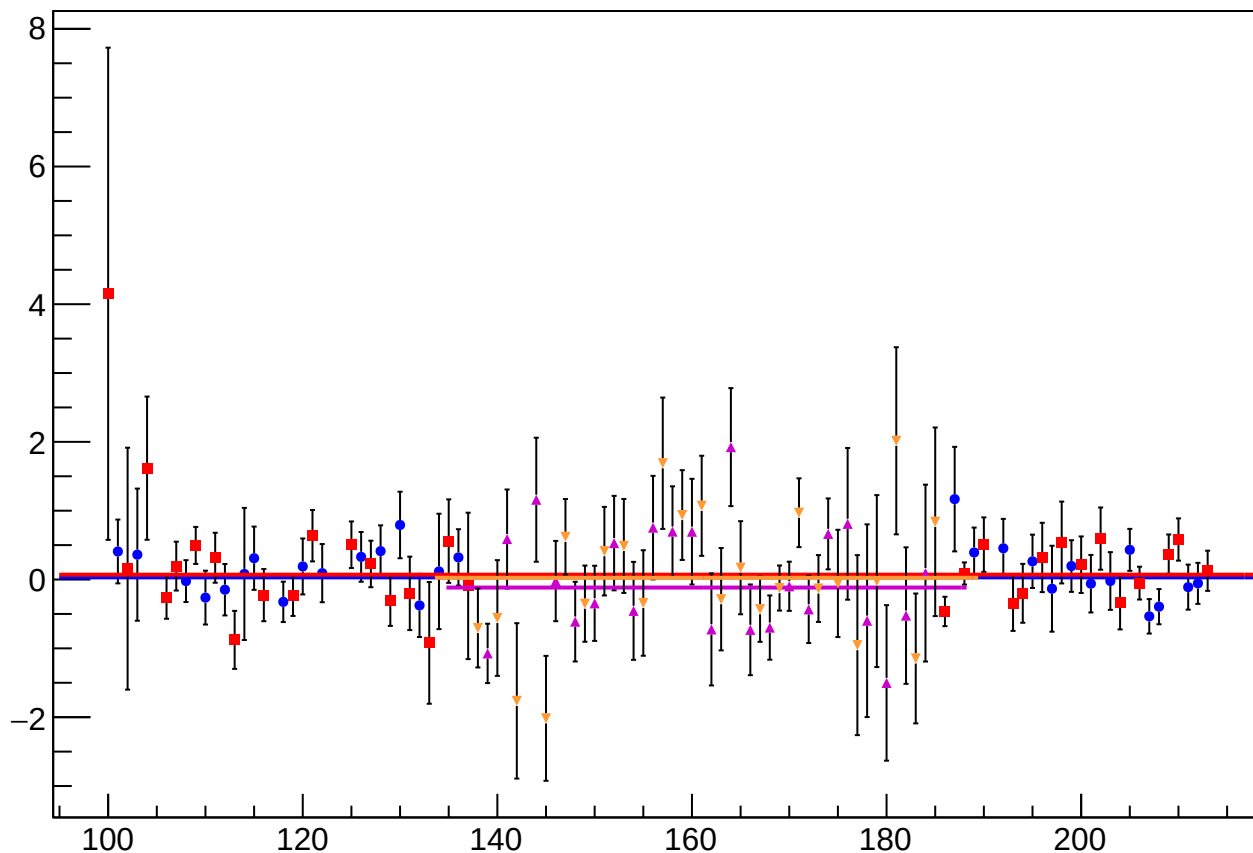
Left In: 0.000 ± 0.000 χ^2/NDF : 1596017.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9089762.1/52

All: 0.000 ± 0.000 χ^2/NDF : 19281949.3/107

- sign 0.000 ± 0.000 χ^2/NDF : 10191189.8/54

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.031 ± 0.071 $\chi^2/\text{NDF}: 23.9/28$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.071 ± 0.062 $\chi^2/\text{NDF}: 38.4/31$

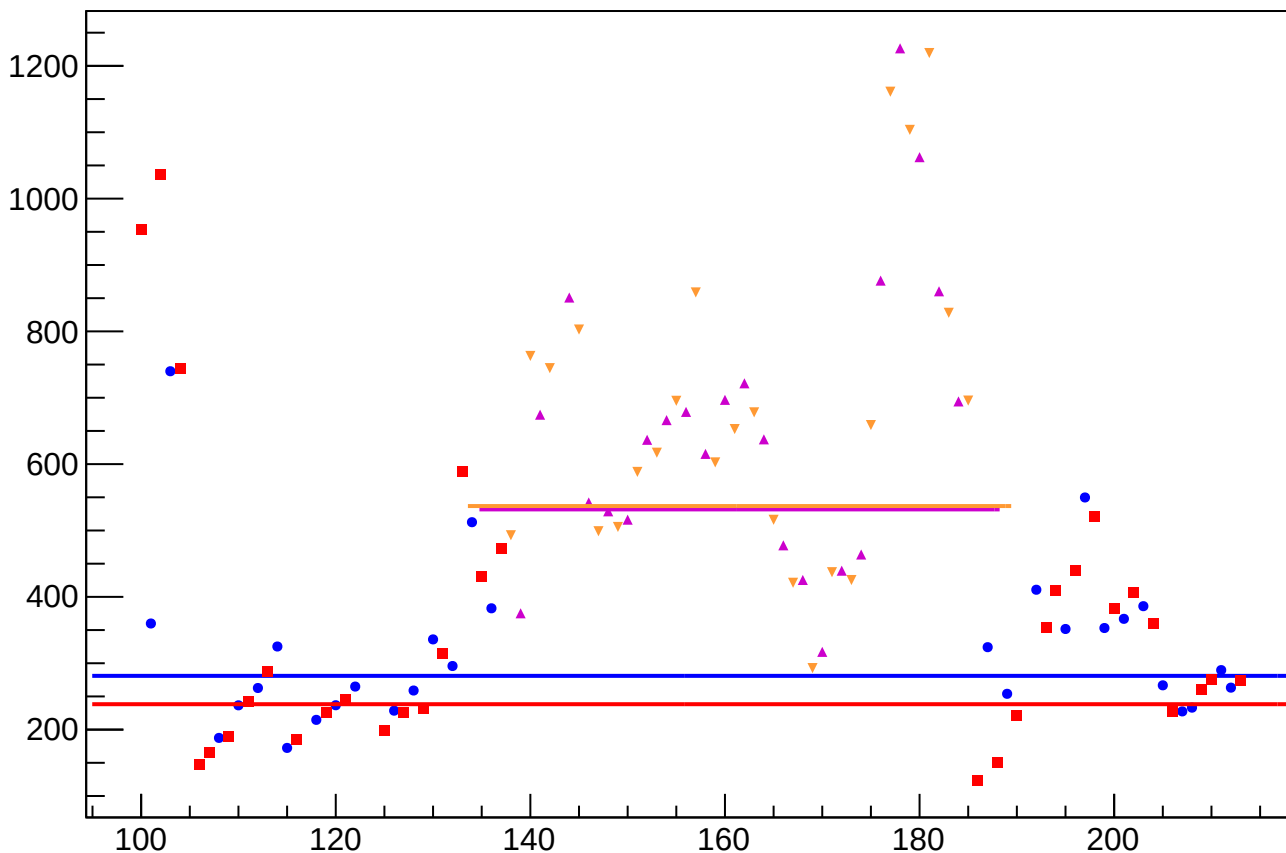
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.030 ± 0.063 $\chi^2/\text{NDF}: 53.0/52$

All: 0.034 ± 0.042 $\chi^2/\text{NDF}: 120.8/107$

- sign 0.037 ± 0.056 $\chi^2/\text{NDF}: 67.8/54$

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 281.002 $\pm$ 0.051 χ^2 /NDF: 2429698.0/28

Left Out: 536.821 $\pm$ 0.095 χ^2 /NDF: 3963242.1/23

Right Out: 238.297 $\pm$ 0.044 χ^2 /NDF: 5269460.3/31

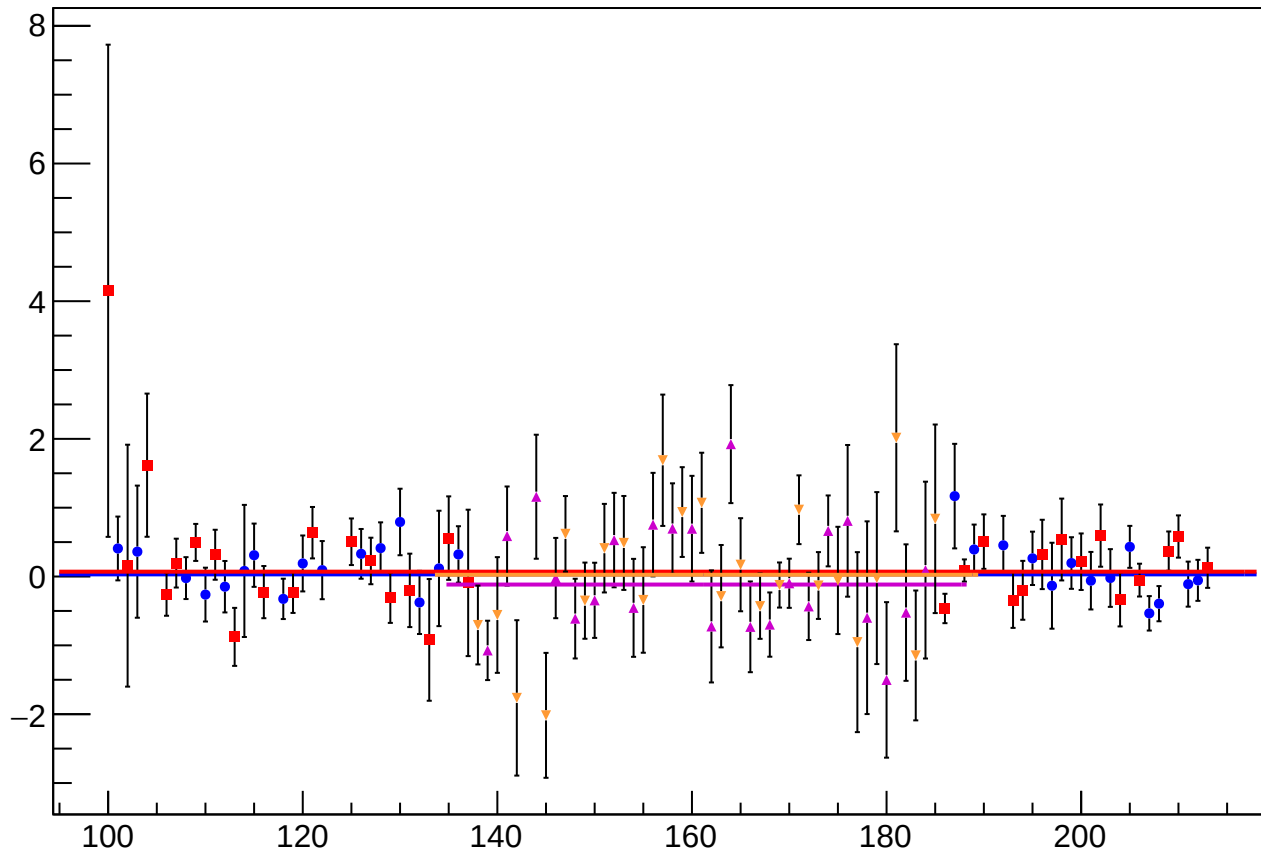
Left In: 531.769 $\pm$ 0.094 χ^2 /NDF: 3381209.0/22

+ sign 337.673 $\pm$ 0.045 χ^2 /NDF: 12069963.2/52

All: 311.644 $\pm$ 0.030 χ^2 /NDF: 29385145.0/10

- sign 291.011 $\pm$ 0.040 χ^2 /NDF: 16704245.2/54

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031 ± 0.071 $\chi^2/\text{NDF}: 23.9/28$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.071 ± 0.062 $\chi^2/\text{NDF}: 38.4/31$

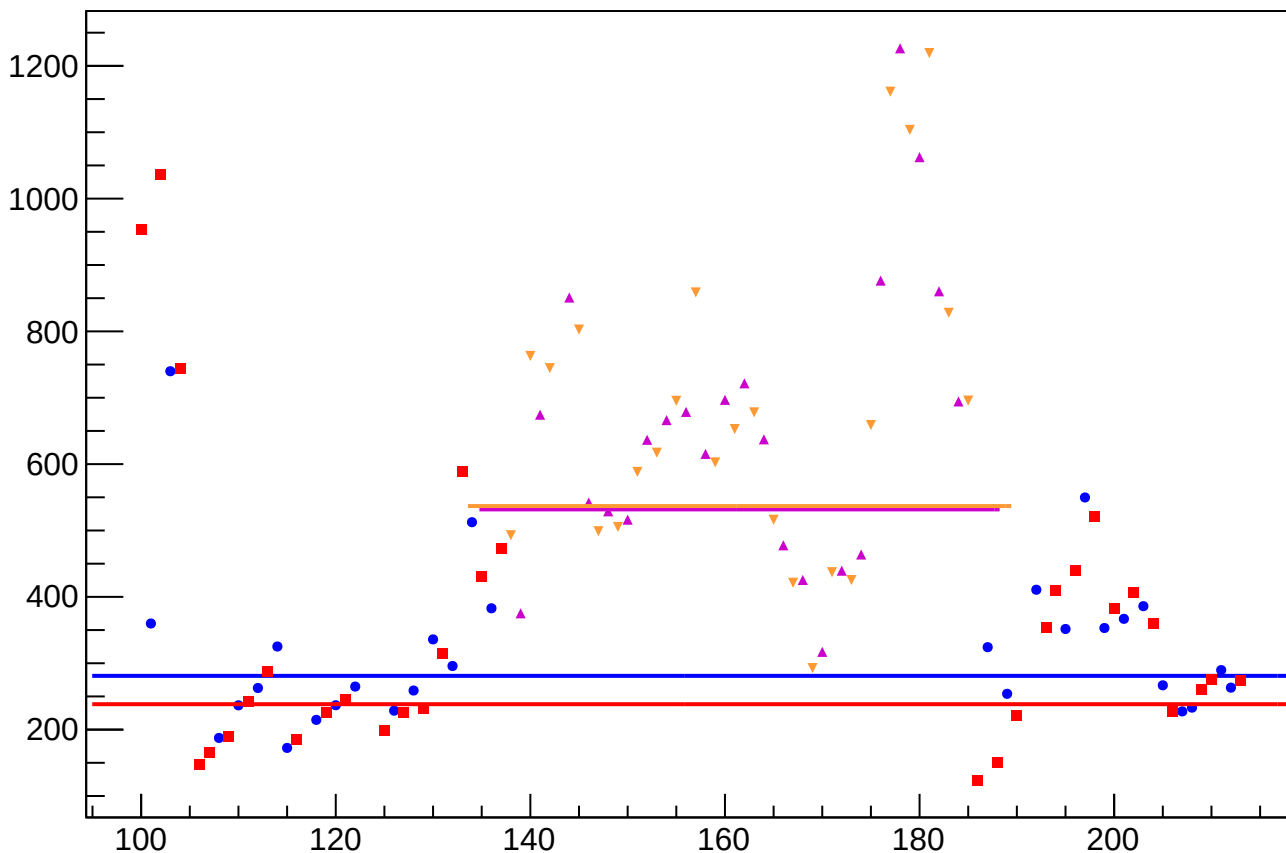
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.030 ± 0.063 $\chi^2/\text{NDF}: 53.0/52$

All: 0.034 ± 0.042 $\chi^2/\text{NDF}: 120.8/107$

- sign 0.037 ± 0.056 $\chi^2/\text{NDF}: 67.8/54$

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 281.002 $\pm$ 0.051 χ^2 /NDF: 2429698.0/28

Left Out: 536.821 $\pm$ 0.095 χ^2 /NDF:3963242.1/23

Right Out: 238.297 $\pm$ 0.044 χ^2 /NDF: 5269460.3/31

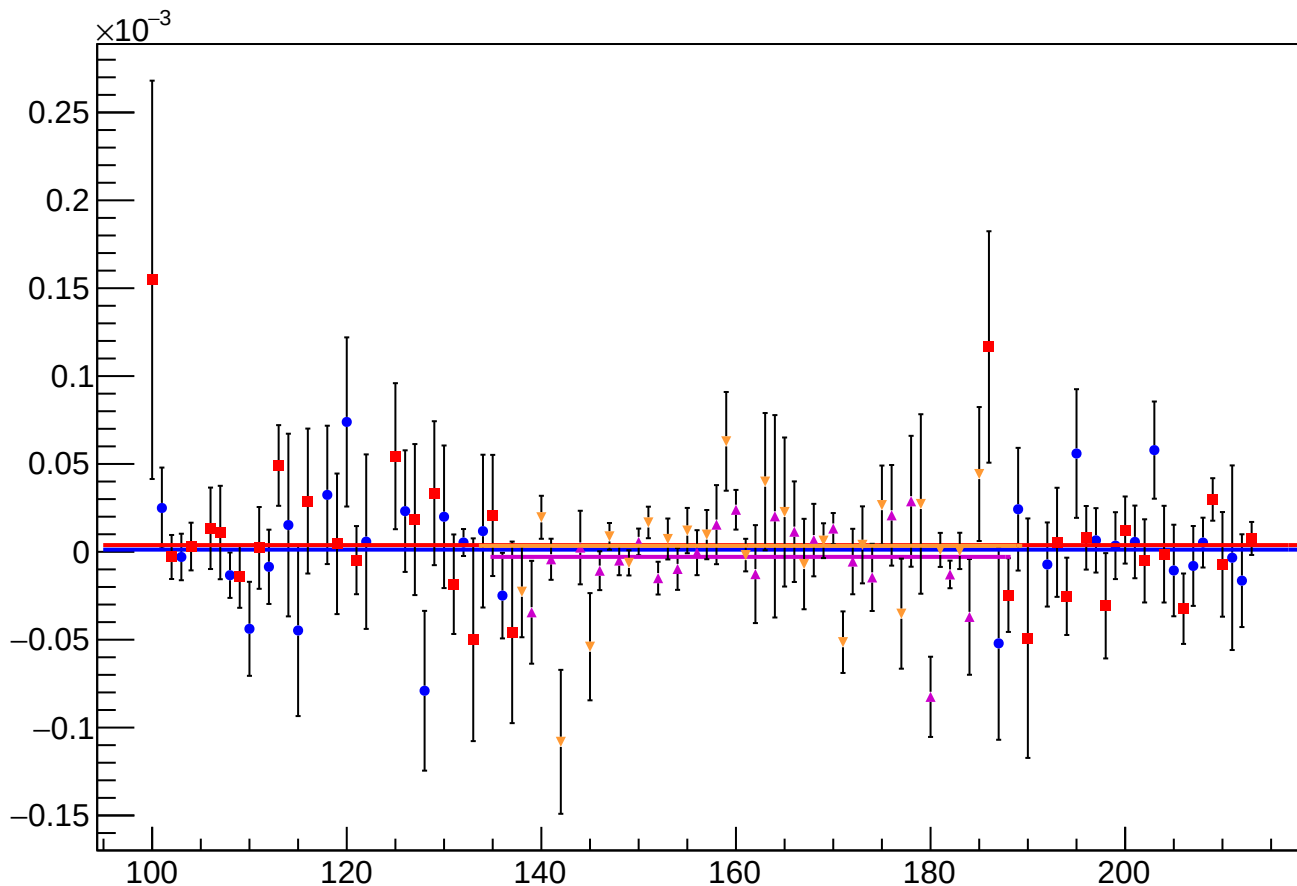
Left In: 531.769 $\pm$ 0.094 χ^2 /NDF:3381209.0/22

+ sign 337.673 $\pm$ 0.045 χ^2 /NDF: 12069963.2/52

All: 311.644 $\pm$ 0.030 χ^2 /NDF: 29385145.0/10

- sign 291.011 $\pm$ 0.040 χ^2 /NDF: 16704245.2/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/31

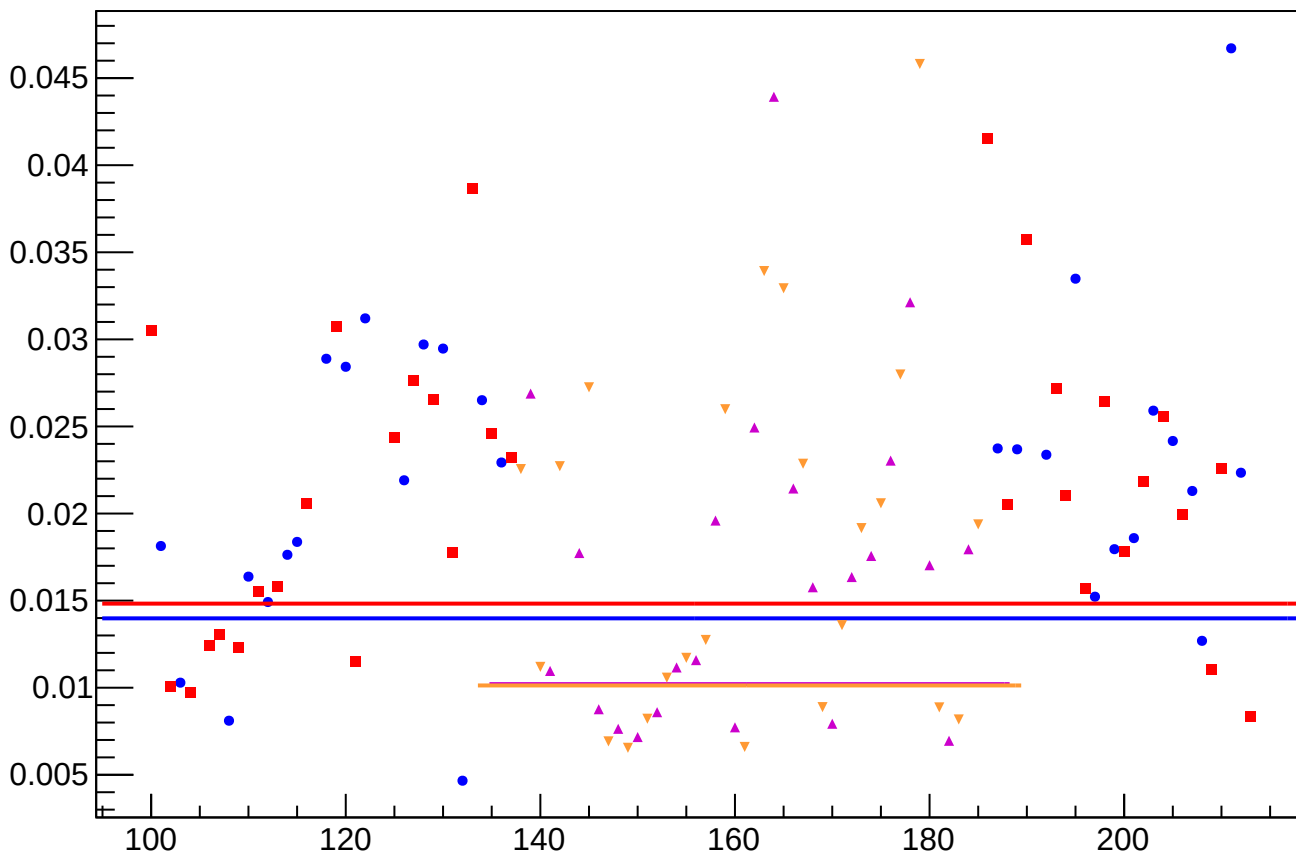
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 127.7/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.8/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 8577559.3/28

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 7812047.6/23

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 5500993.9/31

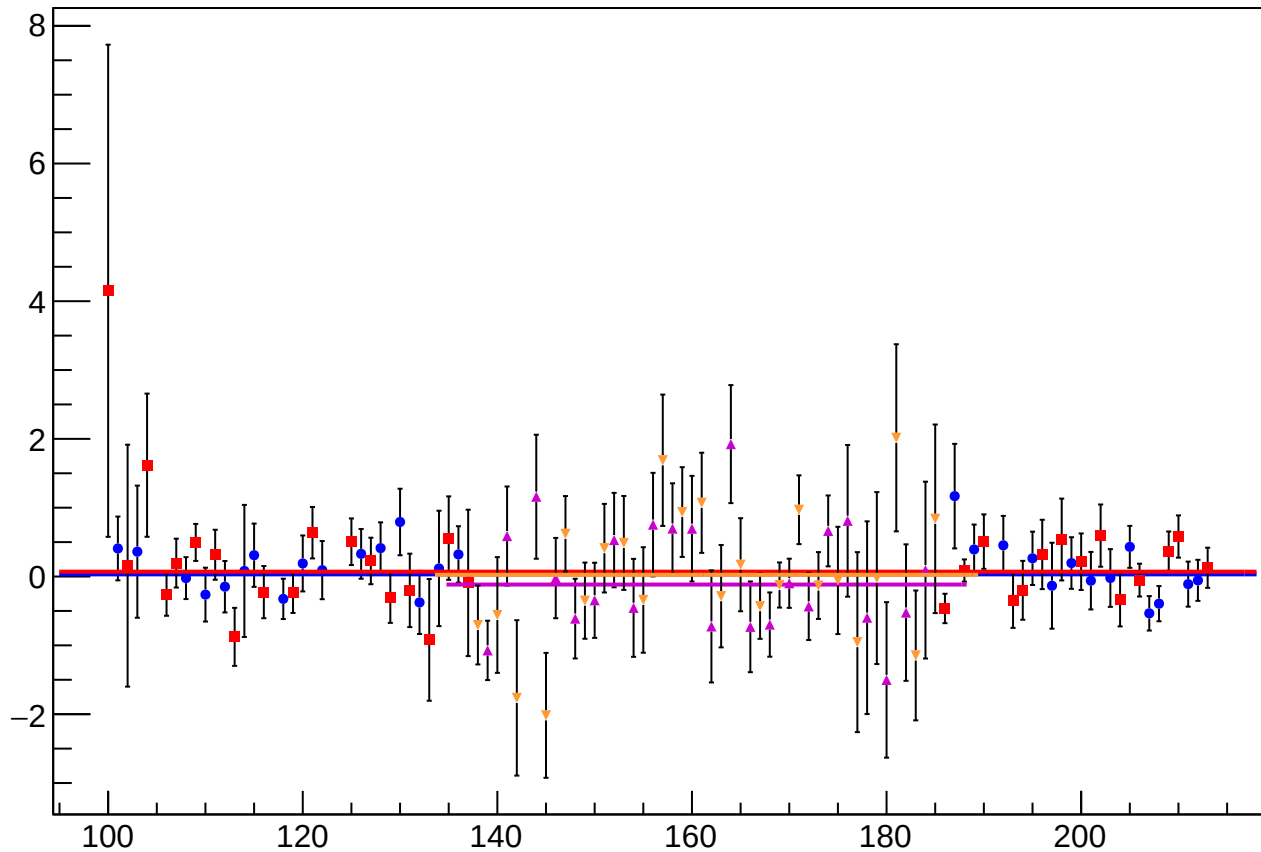
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 6075883.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 17669247.7/52

All: 0.012 $\pm$ 0.000 χ^2/NDF : 31187461.1/107

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 13484064.8/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.031 ± 0.071 χ^2/NDF : 23.9/28

Left Out: 0.025 ± 0.134 χ^2/NDF : 29.1/23

Right Out: 0.071 ± 0.062 χ^2/NDF : 38.4/31

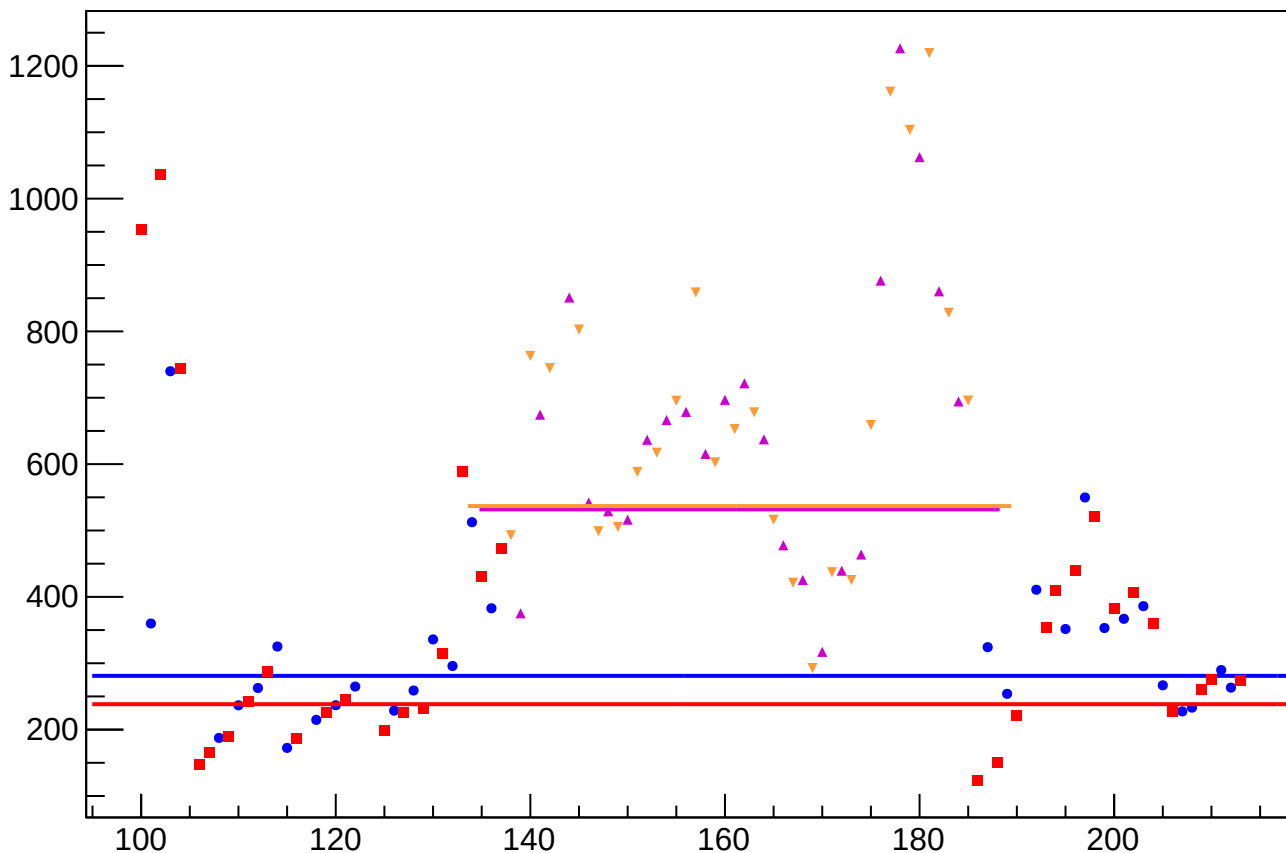
Left In: -0.117 ± 0.132 χ^2/NDF : 27.8/22

+ sign 0.030 ± 0.063 χ^2/NDF : 53.0/52

All: 0.034 ± 0.042 χ^2/NDF : 120.8/107

- sign 0.037 ± 0.056 χ^2/NDF : 67.8/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 281.001 $\pm$ 0.051 χ^2 /NDF: 2429701.3/28

Left Out: 536.822 $\pm$ 0.095 χ^2 /NDF: 3963422.5/23

Right Out: 238.295 $\pm$ 0.044 χ^2 /NDF: 5269598.0/31

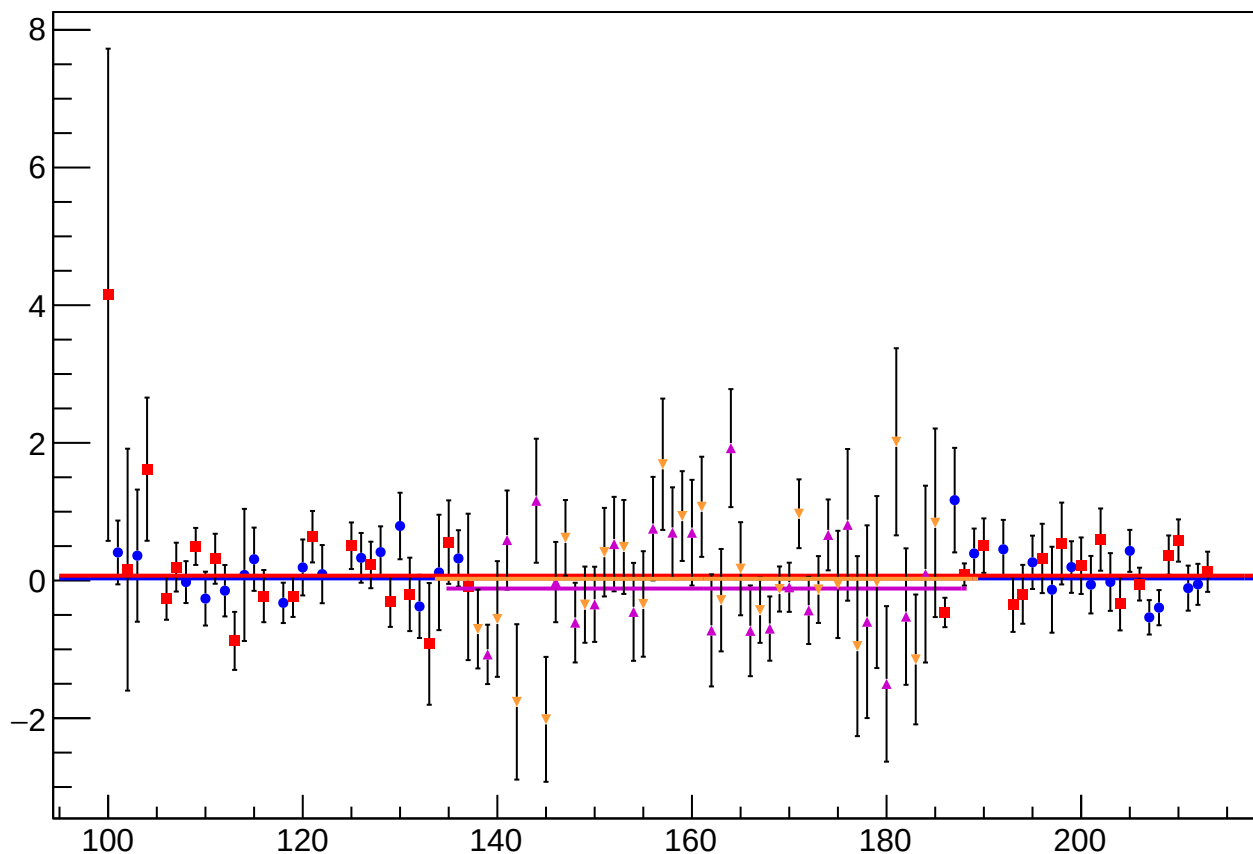
Left In: 531.773 $\pm$ 0.094 χ^2 /NDF: 3381293.8/22

+ sign 337.672 $\pm$ 0.045 χ^2 /NDF: 12070186.1/52

All: 311.642 $\pm$ 0.030 χ^2 /NDF: 29385887.0/10

- sign 291.008 $\pm$ 0.040 χ^2 /NDF: 16704714.2/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.031 ± 0.071 $\chi^2/\text{NDF}: 23.9/28$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.071 ± 0.062 $\chi^2/\text{NDF}: 38.4/31$

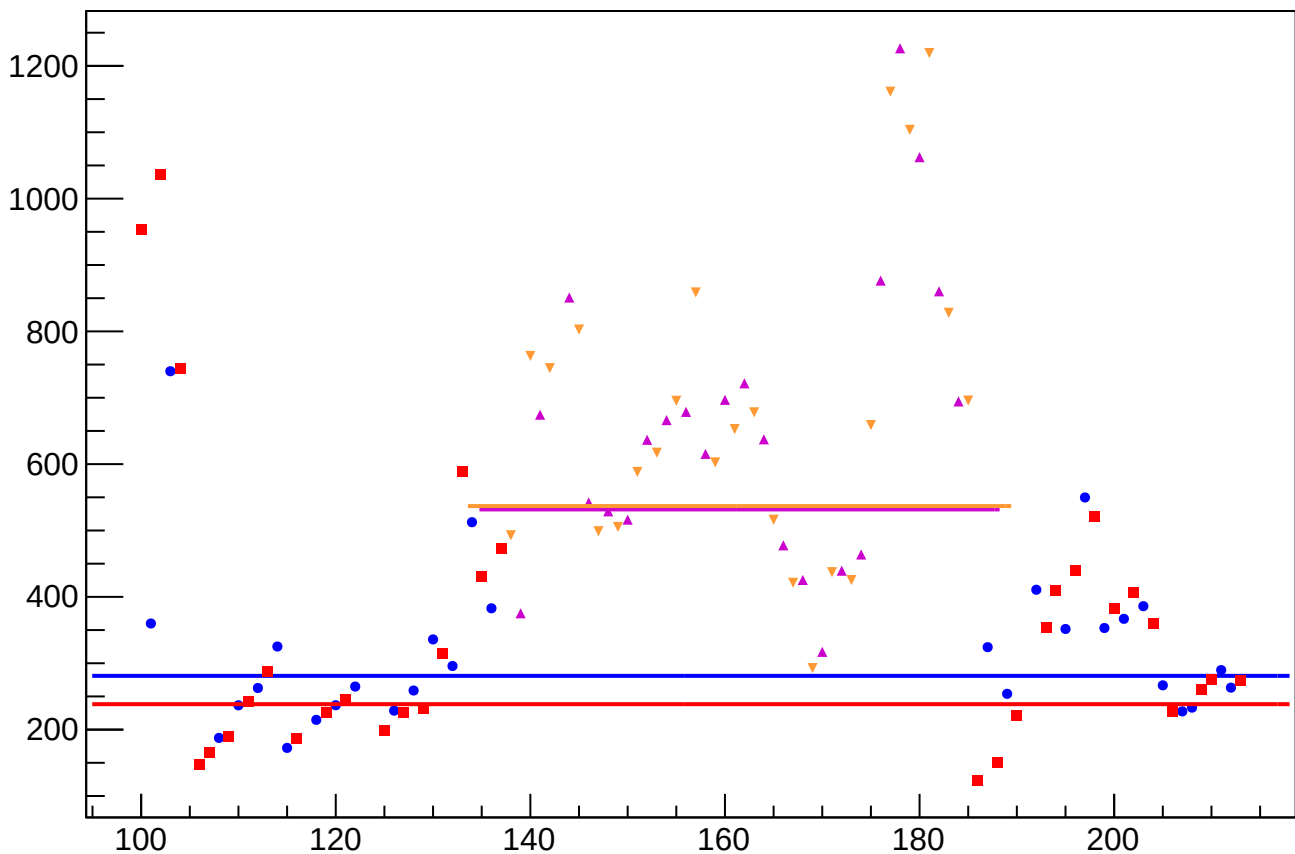
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.030 ± 0.063 $\chi^2/\text{NDF}: 53.0/52$

All: 0.034 ± 0.042 $\chi^2/\text{NDF}: 120.8/107$

- sign 0.037 ± 0.056 $\chi^2/\text{NDF}: 67.8/54$

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 281.001 $\pm$ 0.051 χ^2 /NDF: 2429701.3/28

Left Out: 536.822 $\pm$ 0.095 χ^2 /NDF: 3963422.5/23

Right Out: 238.295 $\pm$ 0.044 χ^2 /NDF: 5269598.0/31

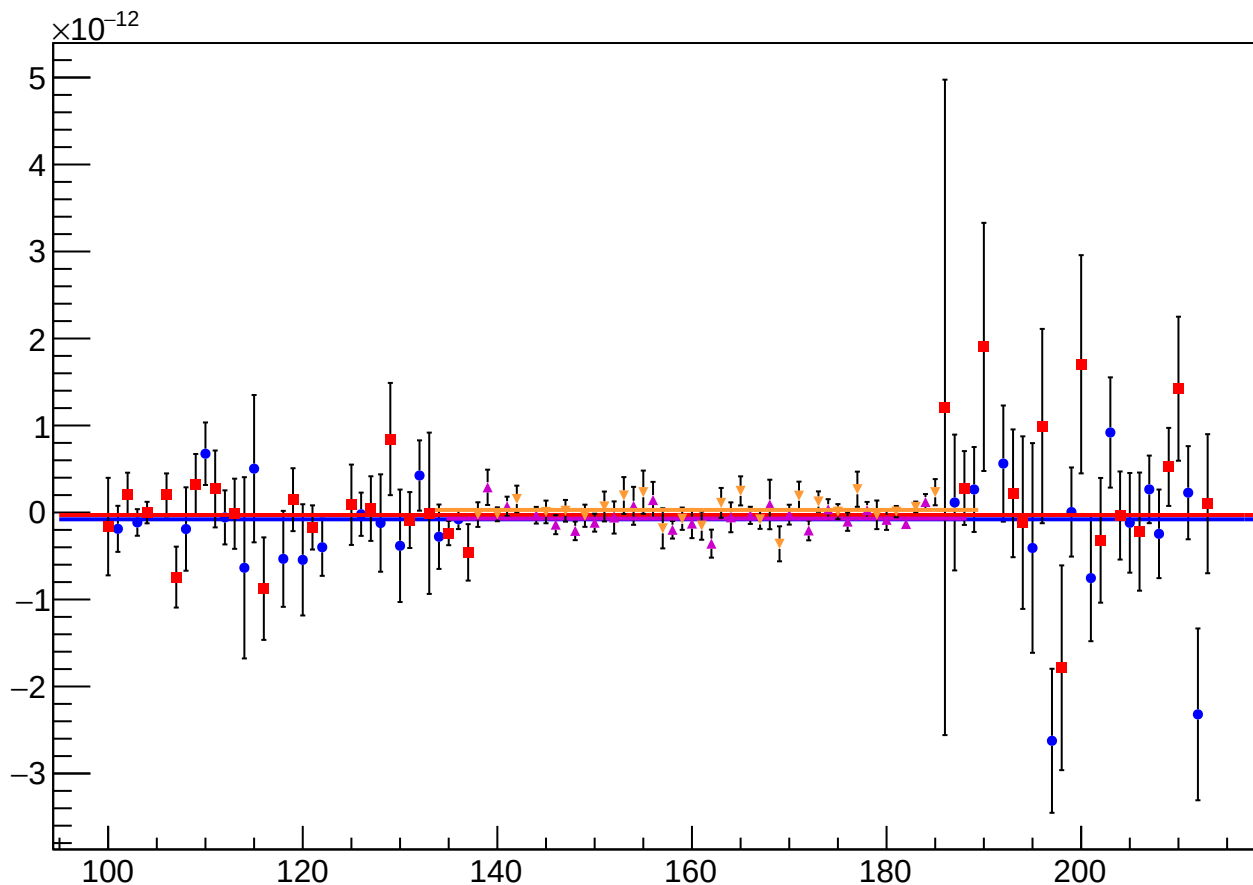
Left In: 531.773 $\pm$ 0.094 χ^2 /NDF: 3381293.8/22

+ sign 337.672 $\pm$ 0.045 χ^2 /NDF: 12070186.1/52

All: 311.642 $\pm$ 0.030 χ^2 /NDF: 29385887.0/10

- sign 291.008 $\pm$ 0.040 χ^2 /NDF: 16704714.2/54

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 30.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 17.7/23

Right Out: -0.000+/-0.000 χ^2/NDF : 28.4/31

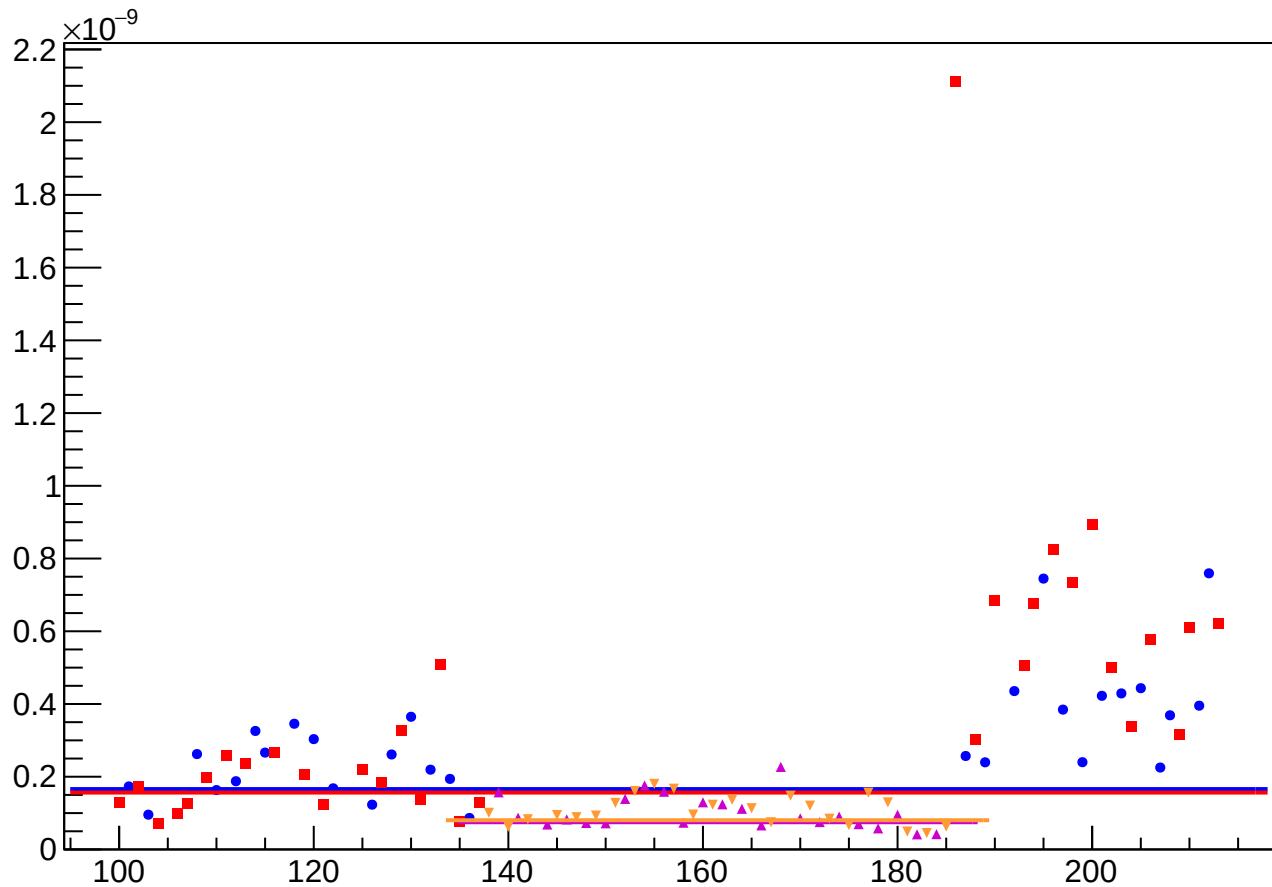
Left In: -0.000+/-0.000 χ^2/NDF : 23.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 50.7/52

All: -0.000+/-0.000 χ^2/NDF : 109.5/107

- sign -0.000+/-0.000 χ^2/NDF : 52.2/54

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5792650.7/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9530737.6/31

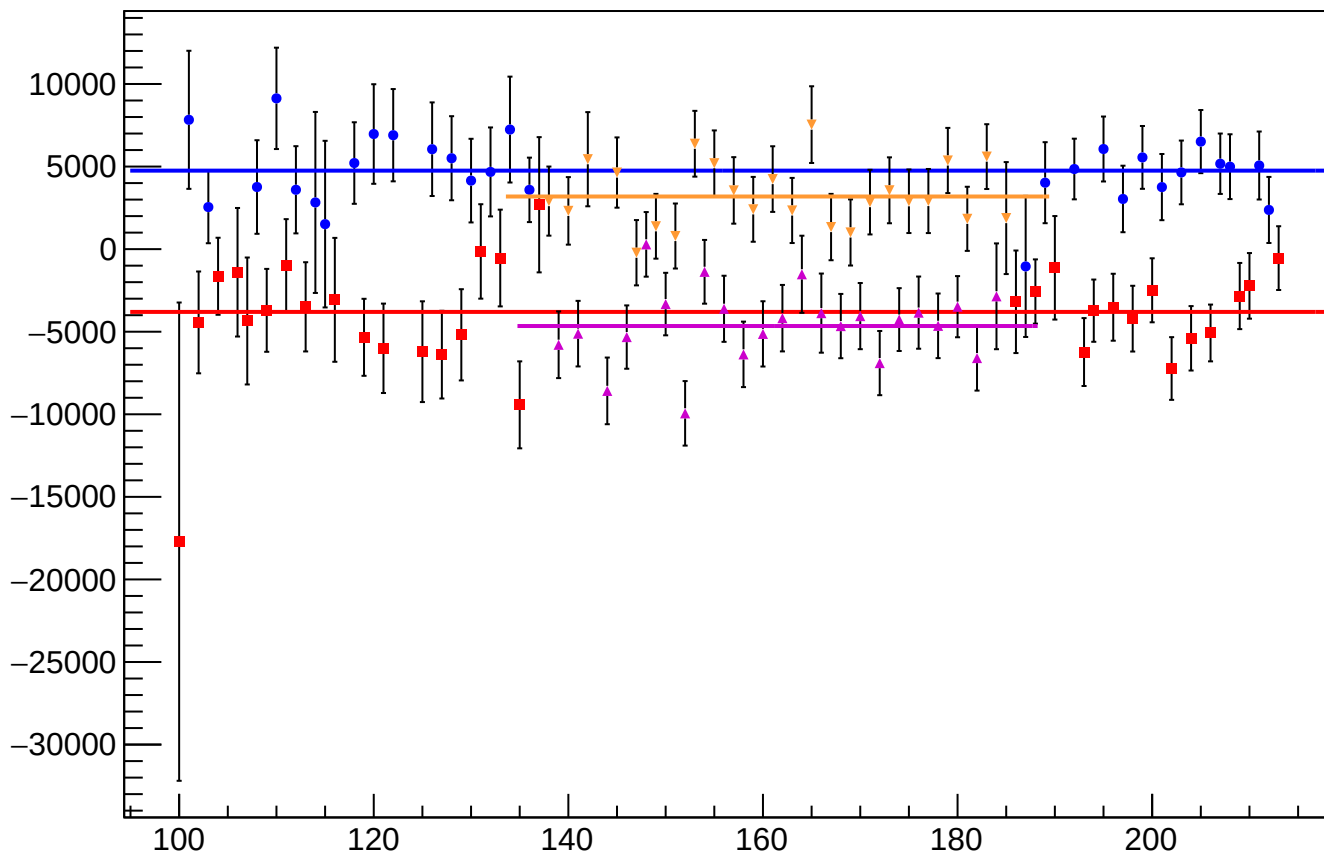
Left In: 0.000+/-0.000 χ^2/NDF : 3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 12675263.4/52

All: 0.000+/-0.000 χ^2/NDF : 29058034.7/107

- sign 0.000+/-0.000 χ^2/NDF : 16305077.4/54

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4753.410+/-439.294 χ^2/NDF : 12.8/28

Left Out: 3187.125+/-418.619 χ^2/NDF : 19.9/23

Right Out: -3800.933+/-427.760 χ^2/NDF : 27.4/31

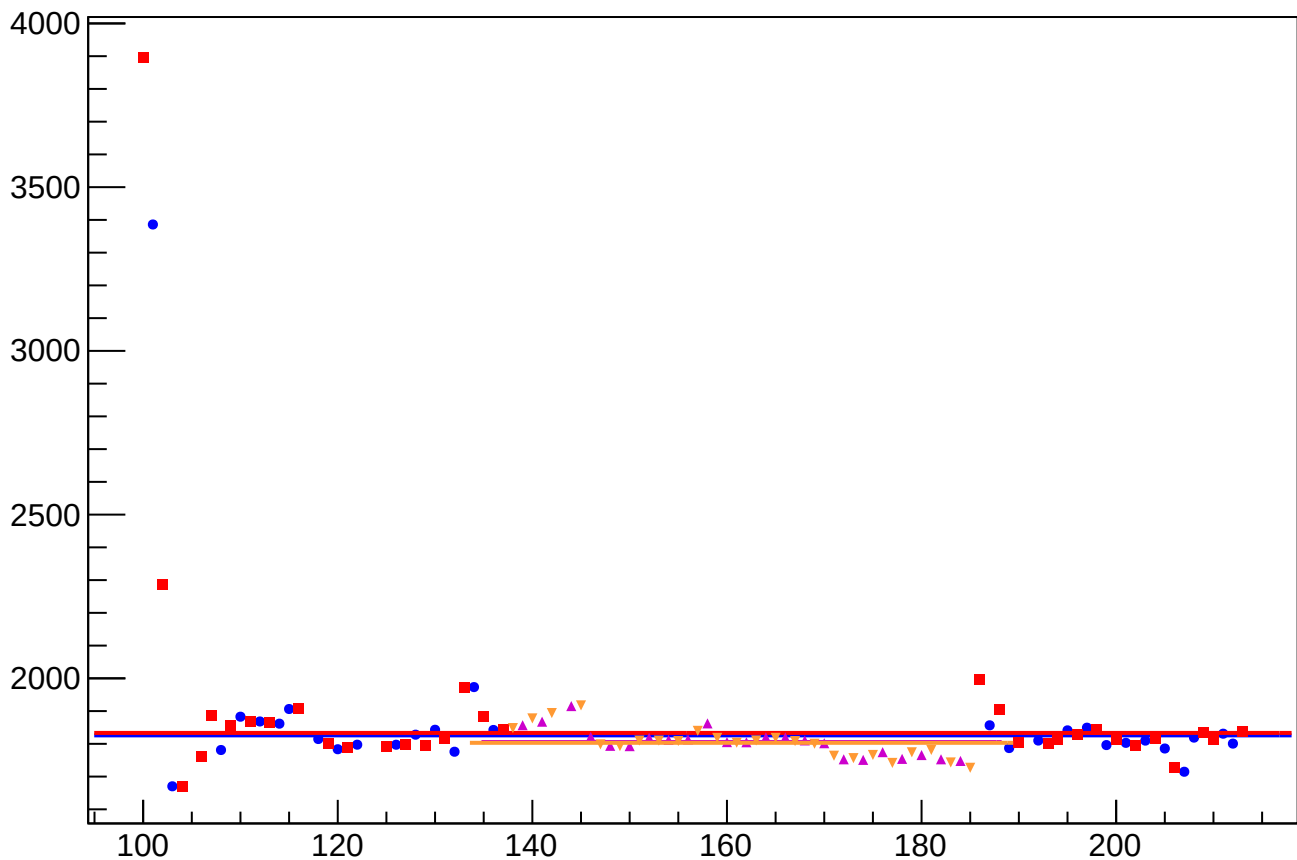
Left In: -4655.206+/-421.691 χ^2/NDF : 27.7/22

+ sign 3932.542+/-303.054 χ^2/NDF : 39.3/52

All: -188.041+/-213.312 χ^2/NDF : 462.9/107

- sign -4234.173+/-300.304 χ^2/NDF : 57.2/54

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.845 $\pm$ 0.311 χ^2 /NDF: 307612.4/28

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1833.328 $\pm$ 0.302 χ^2 /NDF: 121604.6/31

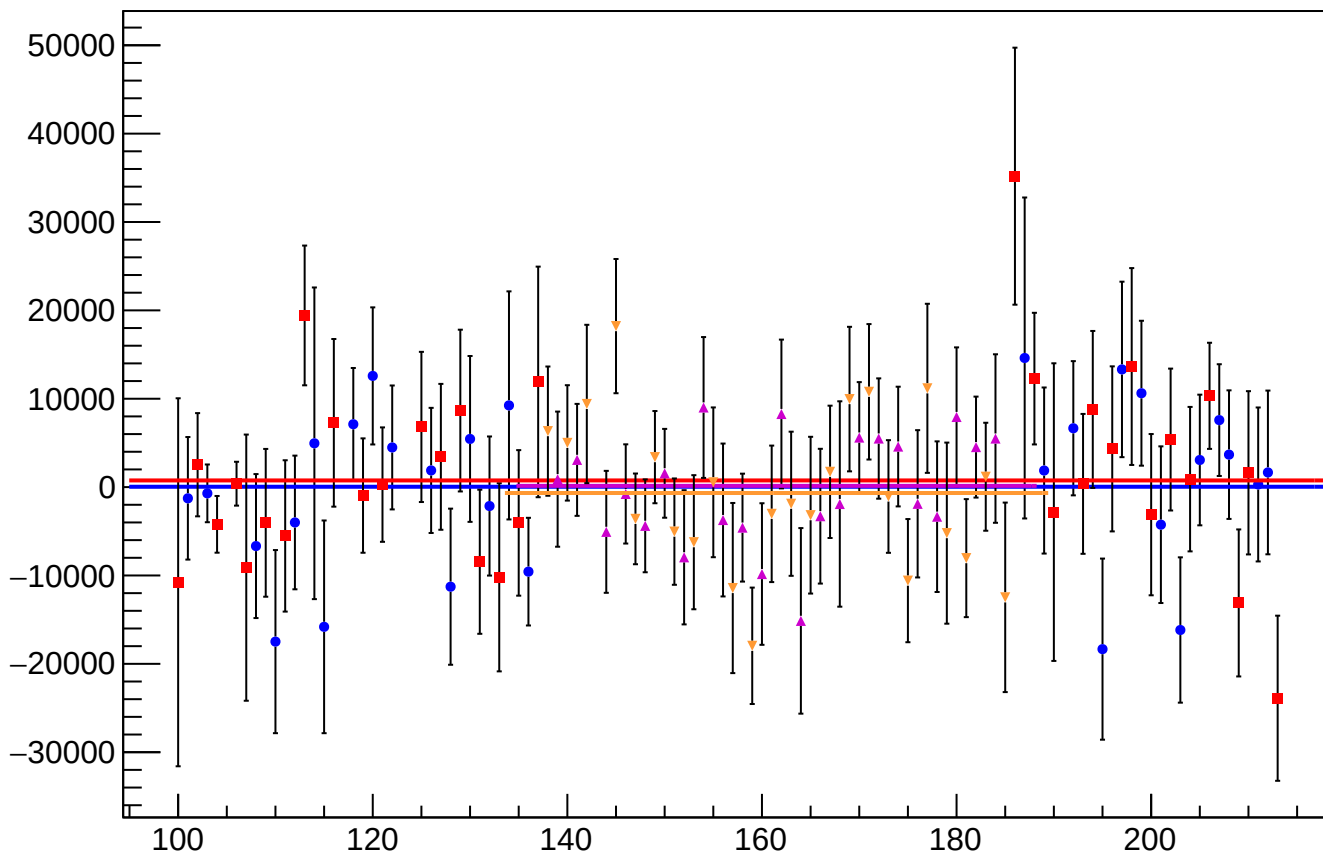
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.7/22

+ sign 1813.933 $\pm$ 0.214 χ^2 /NDF: 331059.9/52

All: 1816.622 $\pm$ 0.151 χ^2 /NDF: 476570.8/107

- sign 1819.261 $\pm$ 0.212 χ^2 /NDF: 145198.8/54

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: 40.309+/-1411.256 χ^2/NDF : 29.2/28

Left Out: -667.243+/-1478.798 χ^2/NDF : 29.8/23

Right Out: 755.157+/-1225.772 χ^2/NDF : 38.1/31

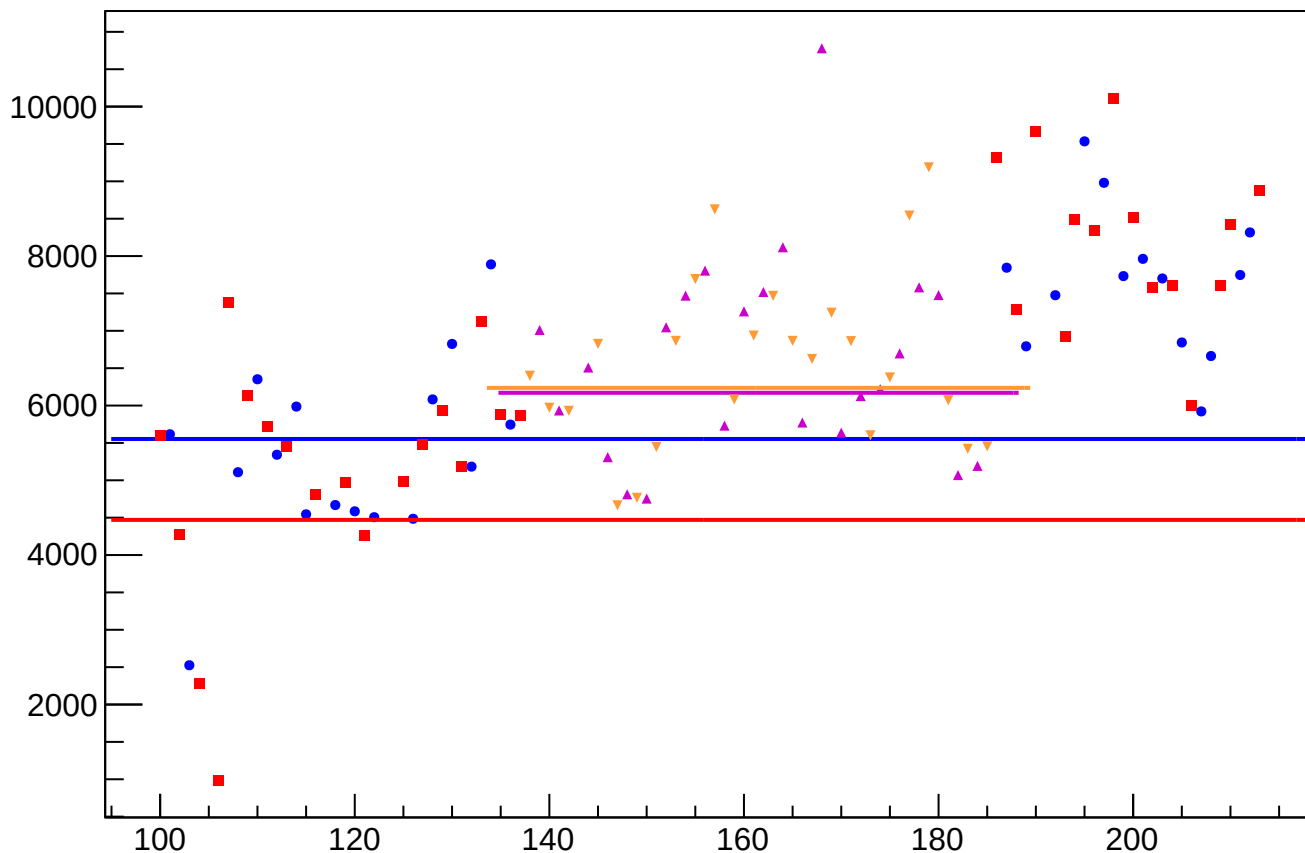
Left In: 143.435+/-1471.371 χ^2/NDF : 13.6/22

+ sign -296.940+/-1020.952 χ^2/NDF : 59.1/52

All: 136.077+/-692.239 χ^2/NDF : 111.2/107

- sign 504.541+/-941.781 χ^2/NDF : 51.8/54

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 5553.001+/-0.998 χ^2/NDF : 3607054.3/28

Left Out: 6236.636+/-1.046 χ^2/NDF : 1067659.4/23

Right Out: 4470.556+/-0.867 χ^2/NDF : 9814287.0/31

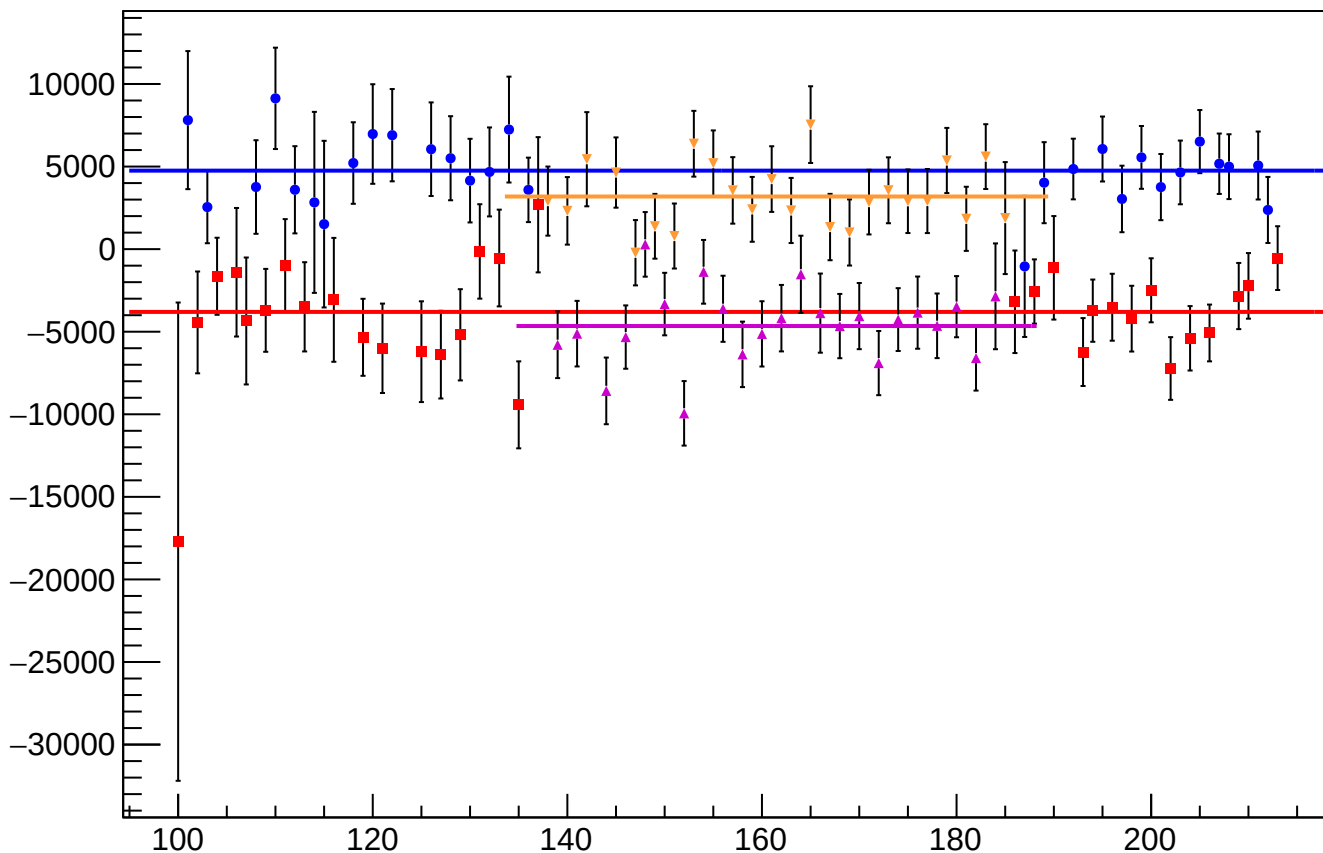
Left In: 6170.791+/-1.040 χ^2/NDF : 1237554.5/22

+ sign 5878.851+/-0.722 χ^2/NDF : 4898410.1/52

All: 5494.325+/-0.489 χ^2/NDF : 18051834.1/100

- sign 5167.125+/-0.666 χ^2/NDF : 12628305.9/54

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4753.239 $\pm$ 439.294 χ^2 /NDF: 12.8/28

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF: 19.9/23

Right Out: -3800.862 $\pm$ 427.760 χ^2 /NDF: 27.4/31

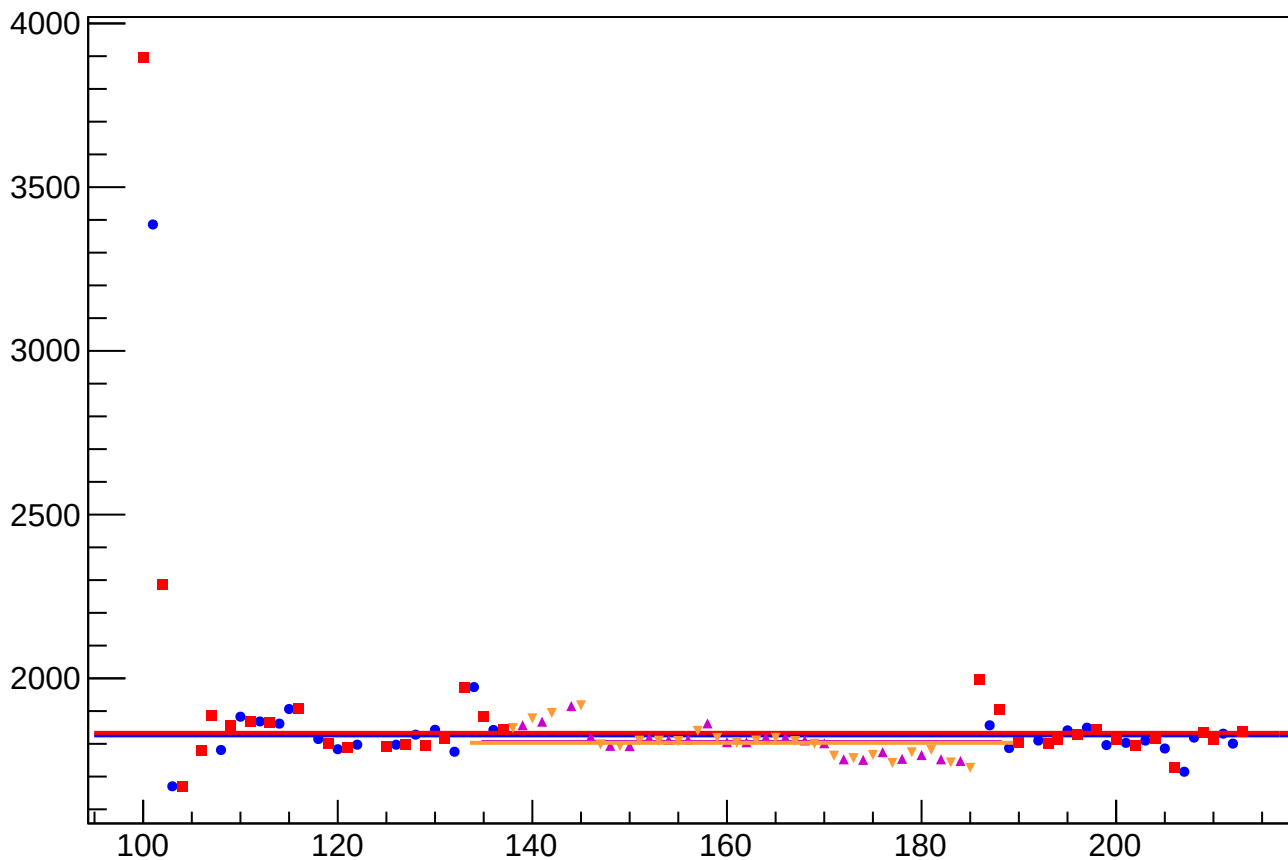
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF: 27.7/22

+ sign 3932.425 $\pm$ 303.054 χ^2 /NDF: 39.3/52

All: -188.086 $\pm$ 213.312 χ^2 /NDF: 462.9/107

- sign -4234.147 $\pm$ 300.304 χ^2 /NDF: 57.2/54

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.845 $\pm$ 0.311 χ^2 /NDF: 307614.2/28

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1833.591 $\pm$ 0.302 χ^2 /NDF: 121252.8/31

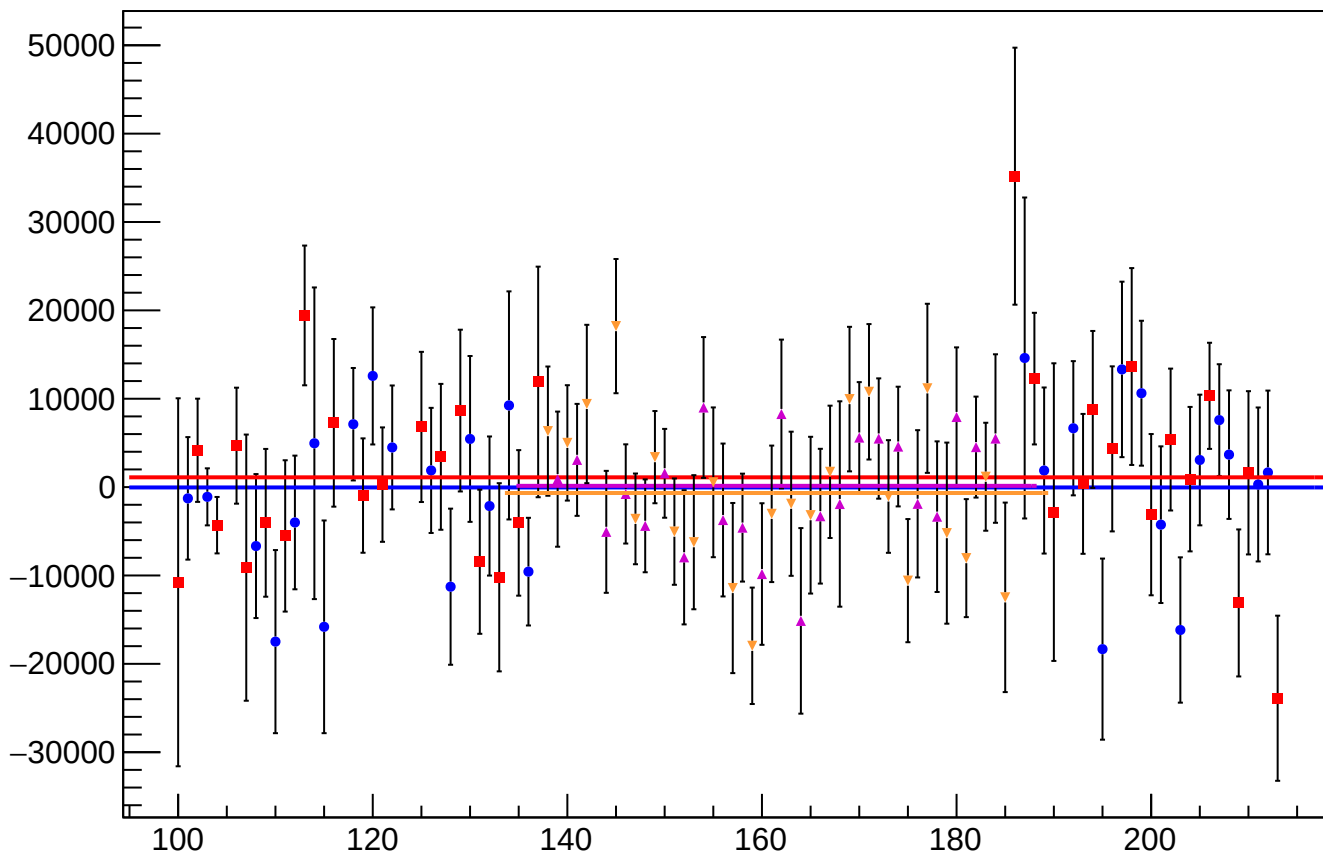
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1813.933 $\pm$ 0.214 χ^2 /NDF: 331061.7/52

All: 1816.687 $\pm$ 0.151 χ^2 /NDF: 476316.9/107

- sign 1819.389 $\pm$ 0.212 χ^2 /NDF: 144927.9/54

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: -38.426 ± 1408.022 χ^2/NDF : 29.3/28

Left Out: -667.245 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1106.257 ± 1377.080 χ^2/NDF : 38.8/31

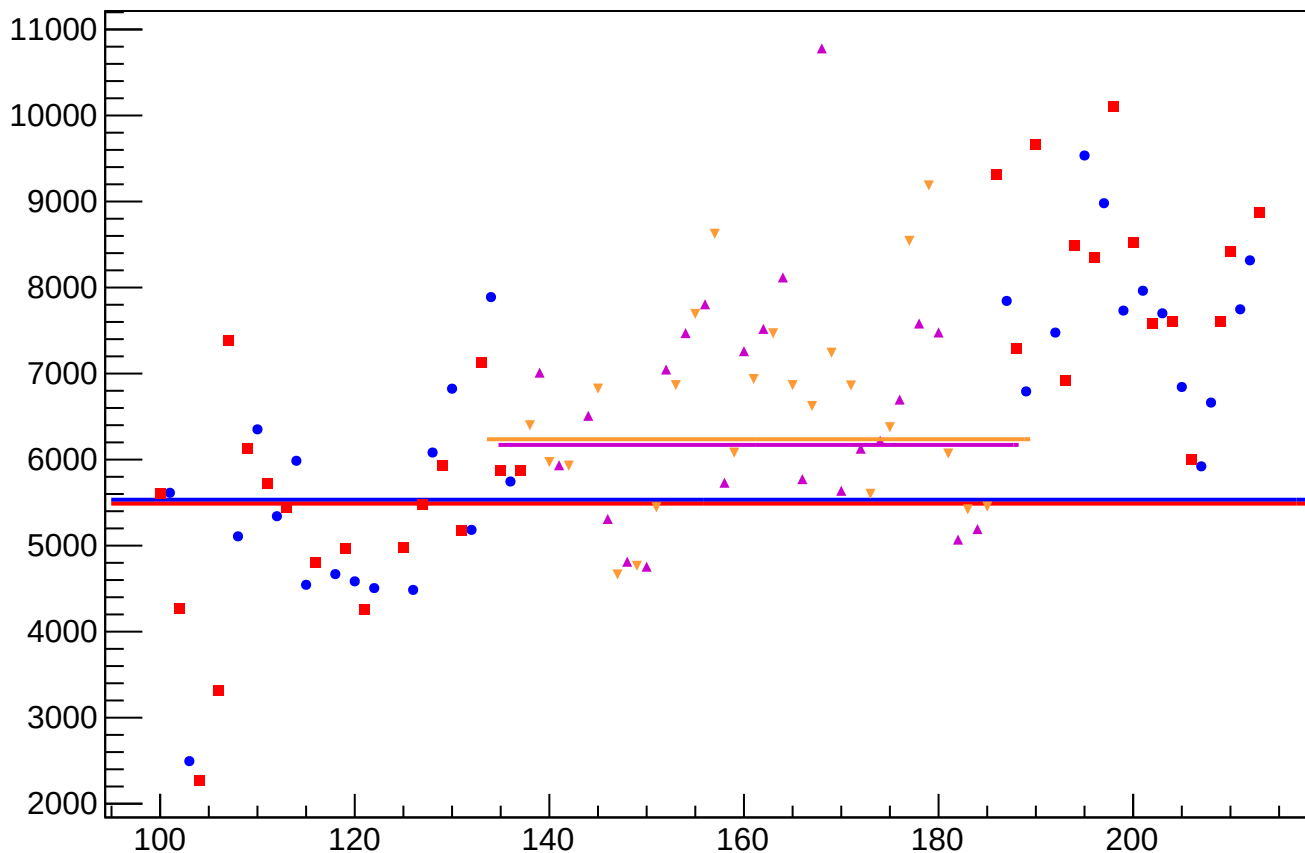
Left In: 143.369 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -337.428 ± 1019.725 χ^2/NDF : 59.1/52

All: 166.631 ± 715.945 χ^2/NDF : 112.2/107

- sign 656.652 ± 1005.425 χ^2/NDF : 52.6/54

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5533.273+/-0.996 χ^2/NDF : 3684807.3/28

Left Out: 6236.635+/-1.046 χ^2/NDF : 1067665.4/23

Right Out: 5488.020+/-0.974 χ^2/NDF : 4848641.1/31

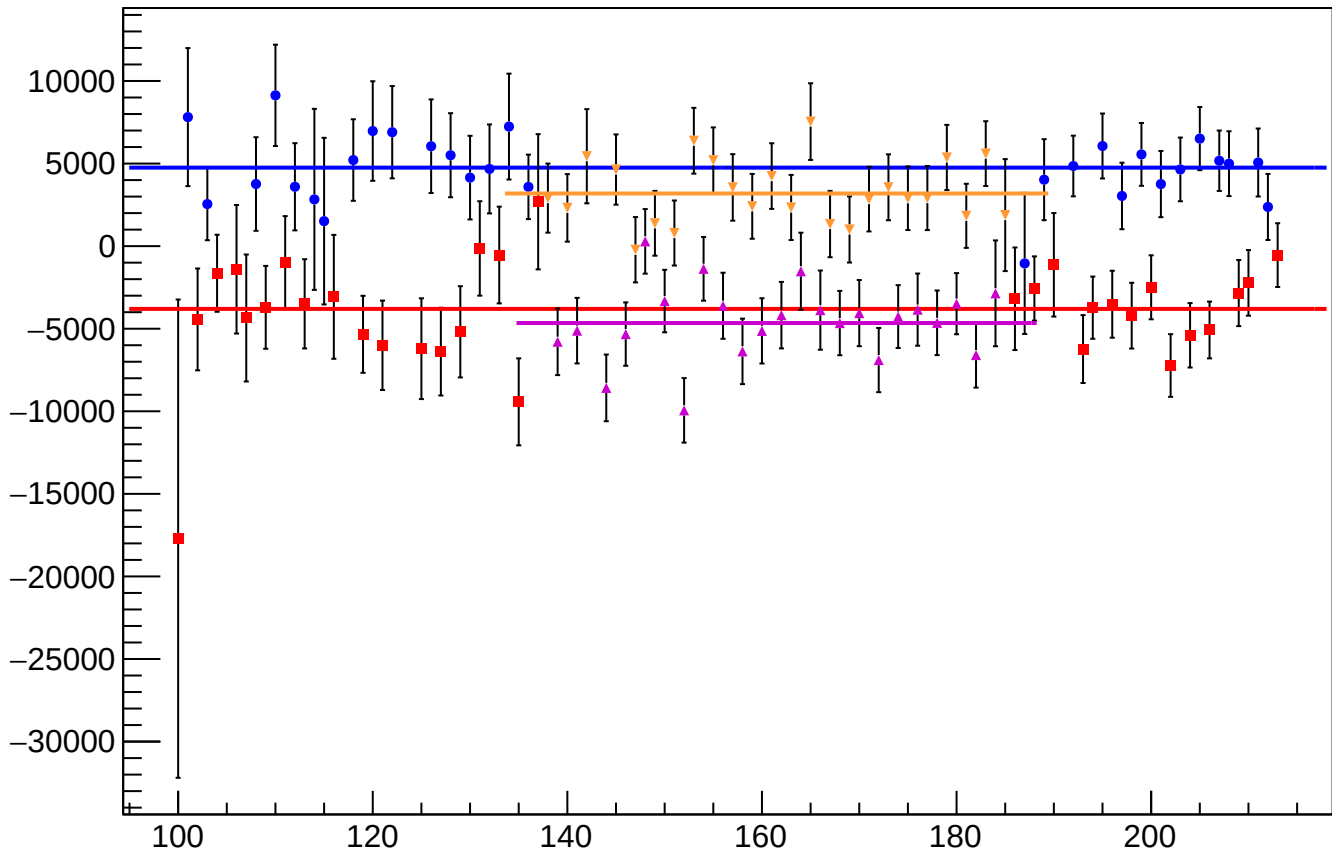
Left In: 6170.789+/-1.040 χ^2/NDF : 1237564.5/22

+ sign 5867.720+/-0.721 χ^2/NDF : 4989783.0/52

All: 5836.844+/-0.506 χ^2/NDF : 11309174.3/102

- sign 5806.828+/-0.711 χ^2/NDF : 6315775.1/54

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4753.239 $\pm$ 439.294 χ^2 /NDF: 12.8/28

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3800.862 $\pm$ 427.760 χ^2 /NDF: 27.4/31

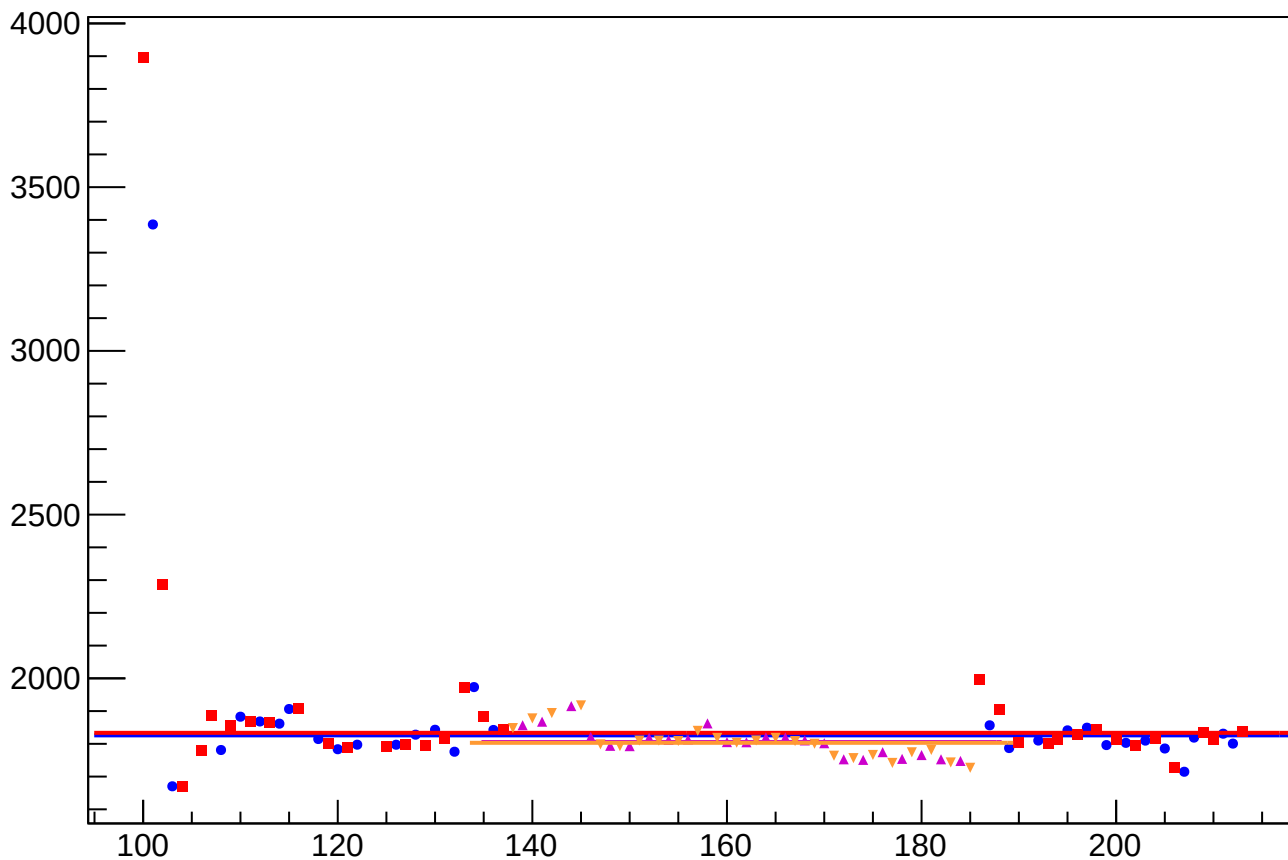
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3932.425 $\pm$ 303.054 χ^2 /NDF: 39.3/52

All: -188.086 $\pm$ 213.312 χ^2 /NDF: 462.9/107

- sign -4234.147 $\pm$ 300.304 χ^2 /NDF: 57.2/54

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.845 $\pm$ 0.311 χ^2 /NDF: 307614.2/28

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF: 20641.1/23

Right Out: 1833.591 $\pm$ 0.302 χ^2 /NDF: 121252.8/31

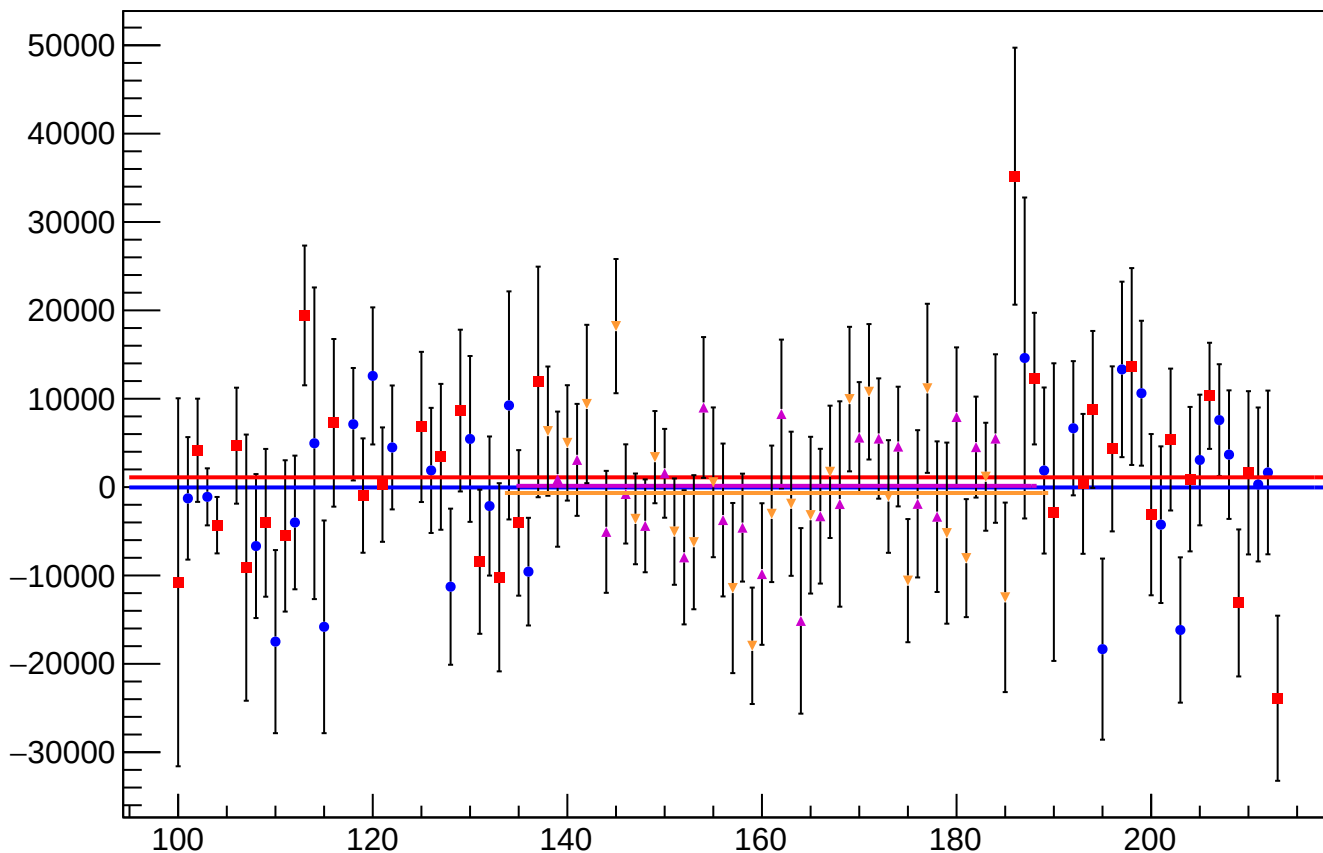
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF: 19314.6/22

+ sign 1813.933 $\pm$ 0.214 χ^2 /NDF: 331061.7/52

All: 1816.687 $\pm$ 0.151 χ^2 /NDF: 476316.9/107

- sign 1819.389 $\pm$ 0.212 χ^2 /NDF: 144927.9/54

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -38.426 ± 1408.022 χ^2/NDF : 29.3/28

Left Out: -667.245 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1106.257 ± 1377.080 χ^2/NDF : 38.8/31

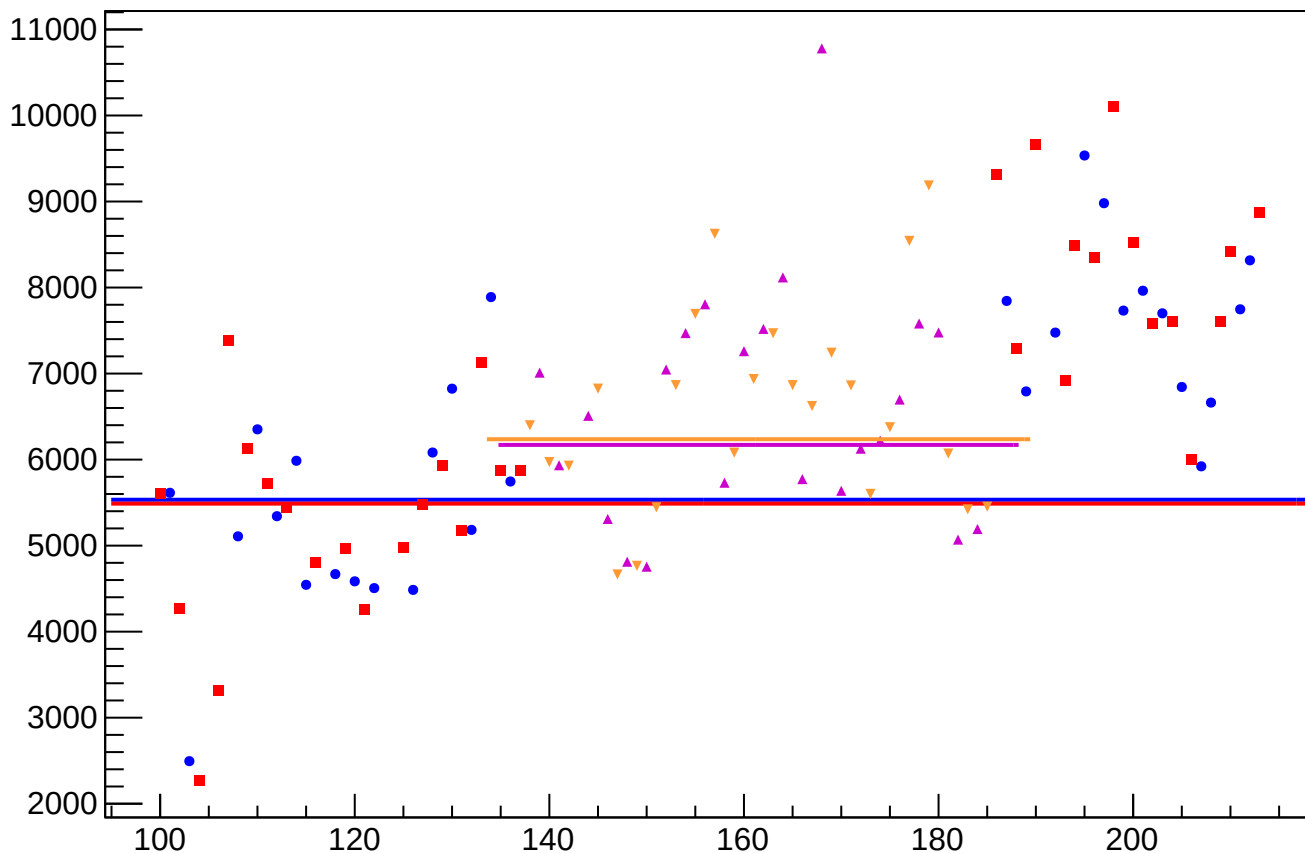
Left In: 143.369 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -337.428 ± 1019.725 χ^2/NDF : 59.1/52

All: 166.631 ± 715.945 χ^2/NDF : 112.2/107

- sign 656.652 ± 1005.425 χ^2/NDF : 52.6/54

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 5533.273+/-0.996 χ^2/NDF : 3684807.3/28

Left Out: 6236.635+/-1.046 χ^2/NDF : 1067665.4/23

Right Out: 5488.020+/-0.974 χ^2/NDF : 4848641.1/31

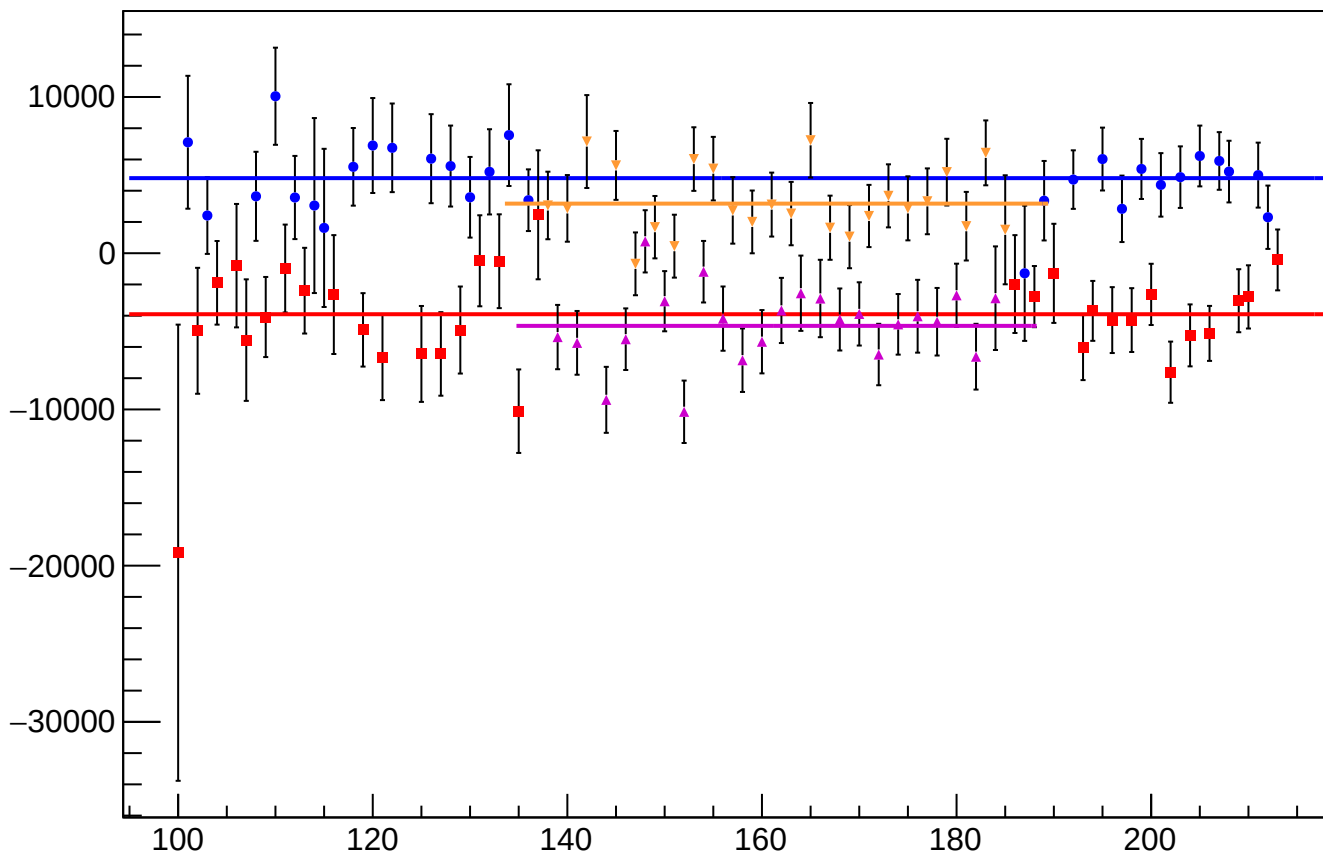
Left In: 6170.789+/-1.040 χ^2/NDF : 1237564.5/22

+ sign 5867.720+/-0.721 χ^2/NDF : 4989783.0/52

All: 5836.844+/-0.506 χ^2/NDF : 11309174.3/100

- sign 5806.828+/-0.711 χ^2/NDF : 6315775.1/54

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4805.794 $\pm$ 448.044 χ^2/NDF : 13.9/28

Left Out: 3174.550 $\pm$ 434.815 χ^2/NDF : 21.6/23

Right Out: -3905.058 $\pm$ 437.867 χ^2/NDF : 28.5/31

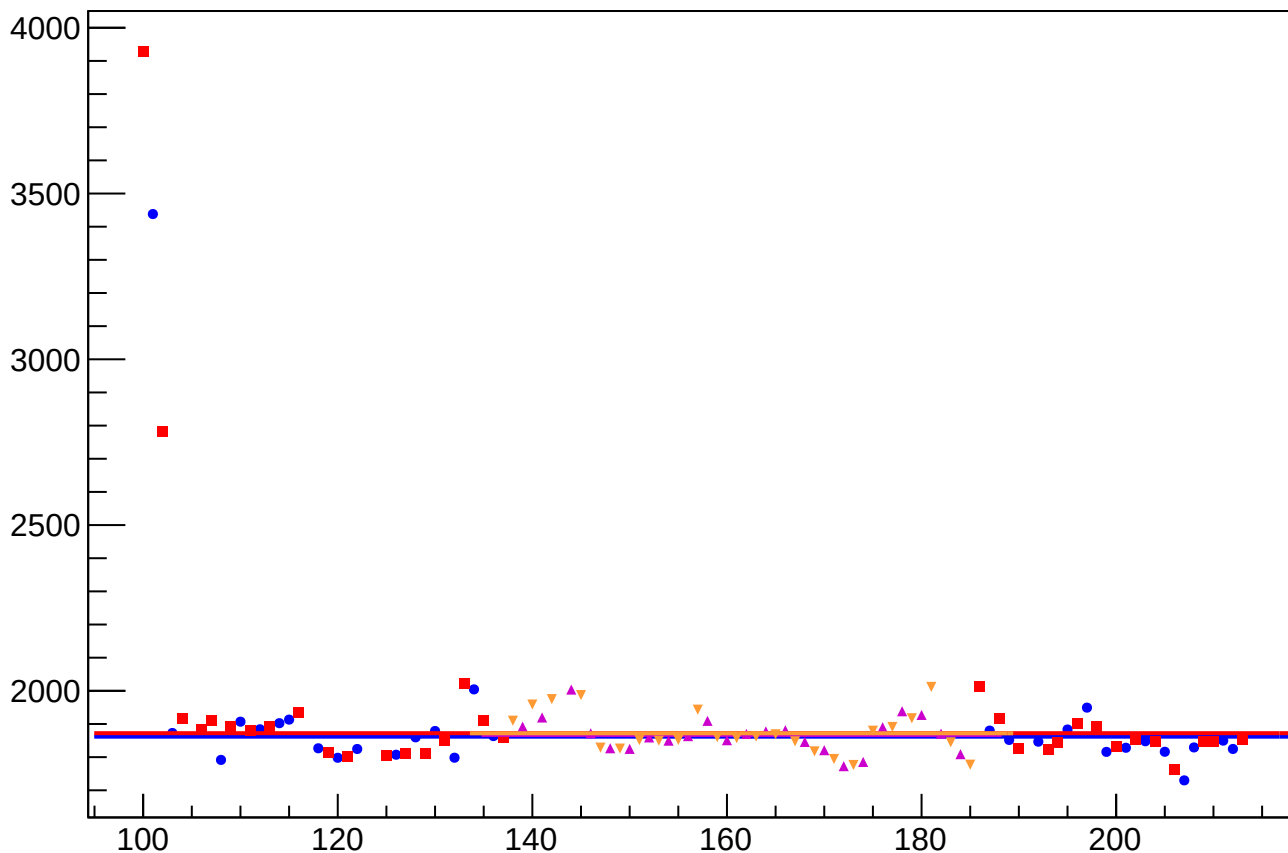
Left In: -4650.461 $\pm$ 436.198 χ^2/NDF : 30.5/22

+ sign 3965.734 $\pm$ 312.033 χ^2/NDF : 42.3/52

All: -196.627 $\pm$ 219.570 χ^2/NDF : 455.3/107

- sign -4279.183 $\pm$ 309.027 χ^2/NDF : 60.5/54

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.788 $\pm$ 0.317 χ^2 /NDF: 302393.7/28

Left Out: 1871.979 $\pm$ 0.307 χ^2 /NDF: 37154.8/23

Right Out: 1872.285 $\pm$ 0.309 χ^2 /NDF: 171436.0/31

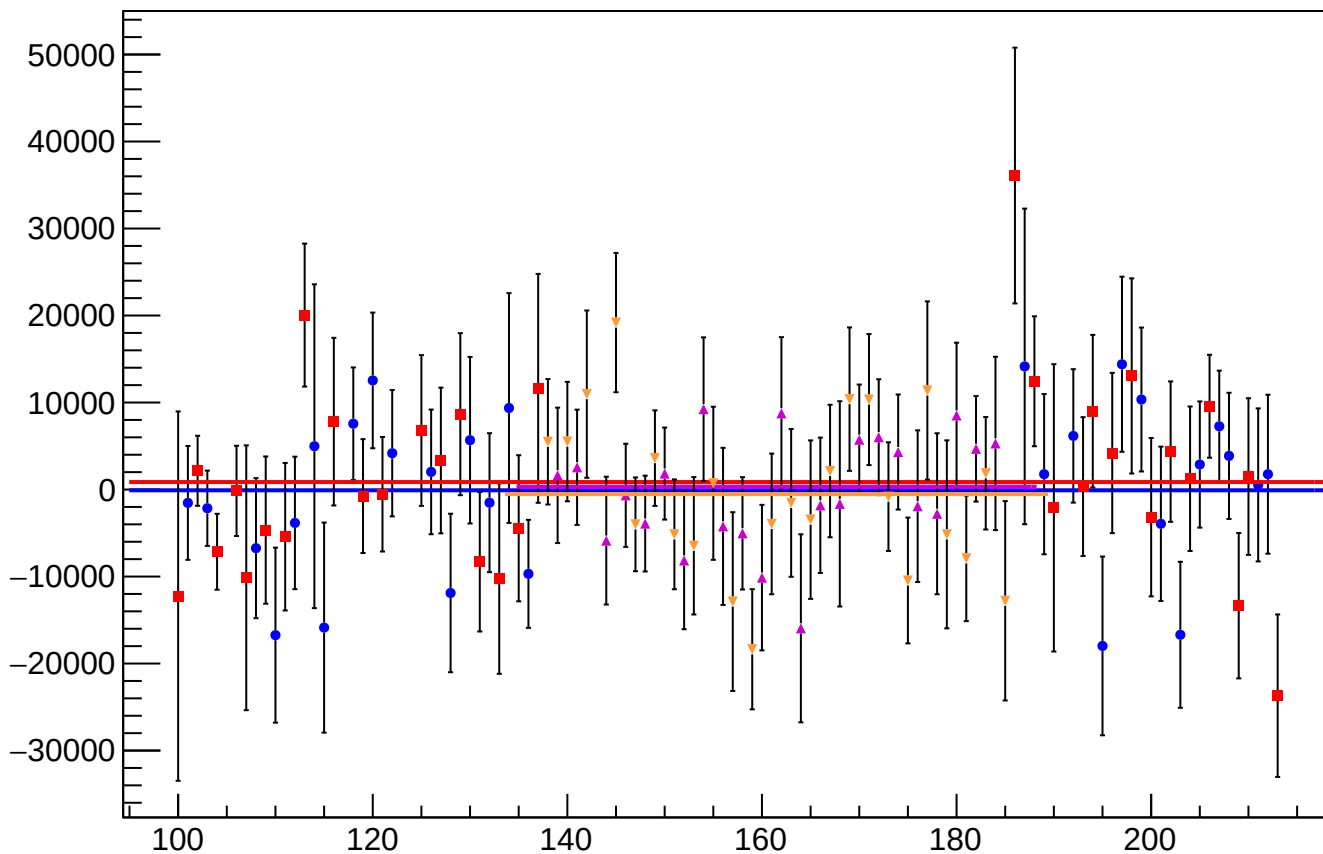
Left In: 1867.079 $\pm$ 0.308 χ^2 /NDF: 27246.7/22

+ sign 1867.036 $\pm$ 0.221 χ^2 /NDF: 340081.5/52

All: 1868.368 $\pm$ 0.155 χ^2 /NDF: 538978.2/107

- sign 1869.673 $\pm$ 0.218 χ^2 /NDF: 198824.6/54

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -85.132 ± 1477.183 $\chi^2/\text{NDF}: 29.1/28$

Left Out: -520.262 ± 1536.784 $\chi^2/\text{NDF}: 29.2/23$

Right Out: 861.489 ± 1381.121 $\chi^2/\text{NDF}: 38.9/31$

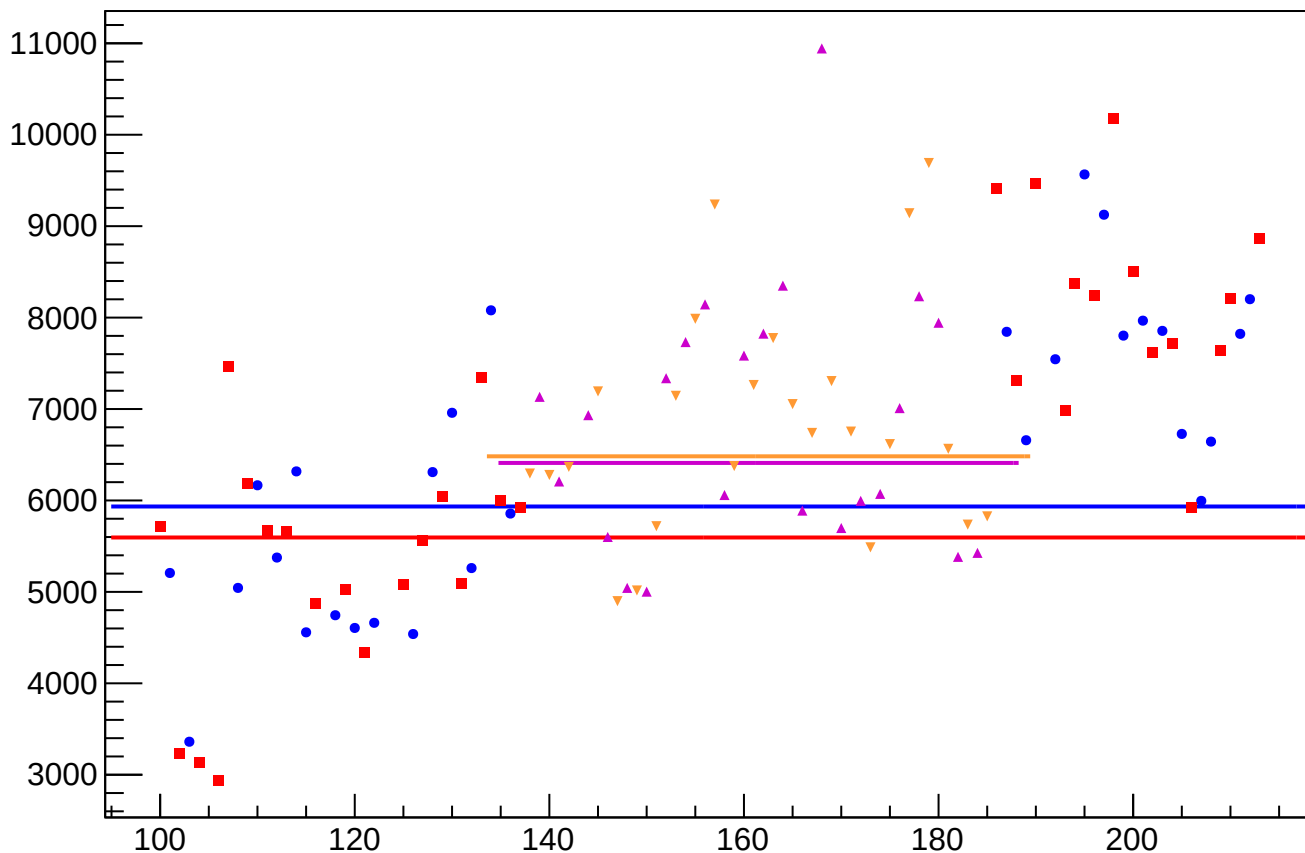
Left In: 324.625 ± 1527.995 $\chi^2/\text{NDF}: 13.4/22$

+ sign -294.096 ± 1064.973 $\chi^2/\text{NDF}: 58.3/52$

All: 180.655 ± 738.363 $\chi^2/\text{NDF}: 111.1/107$

- sign 620.093 ± 1024.601 $\chi^2/\text{NDF}: 52.3/54$

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5933.953+/-1.045 χ^2/NDF : 2295617.0/28

Left Out: 6482.730+/-1.087 χ^2/NDF : 1074584.9/23

Right Out: 5594.968+/-0.977 χ^2/NDF : 4181664.4/31

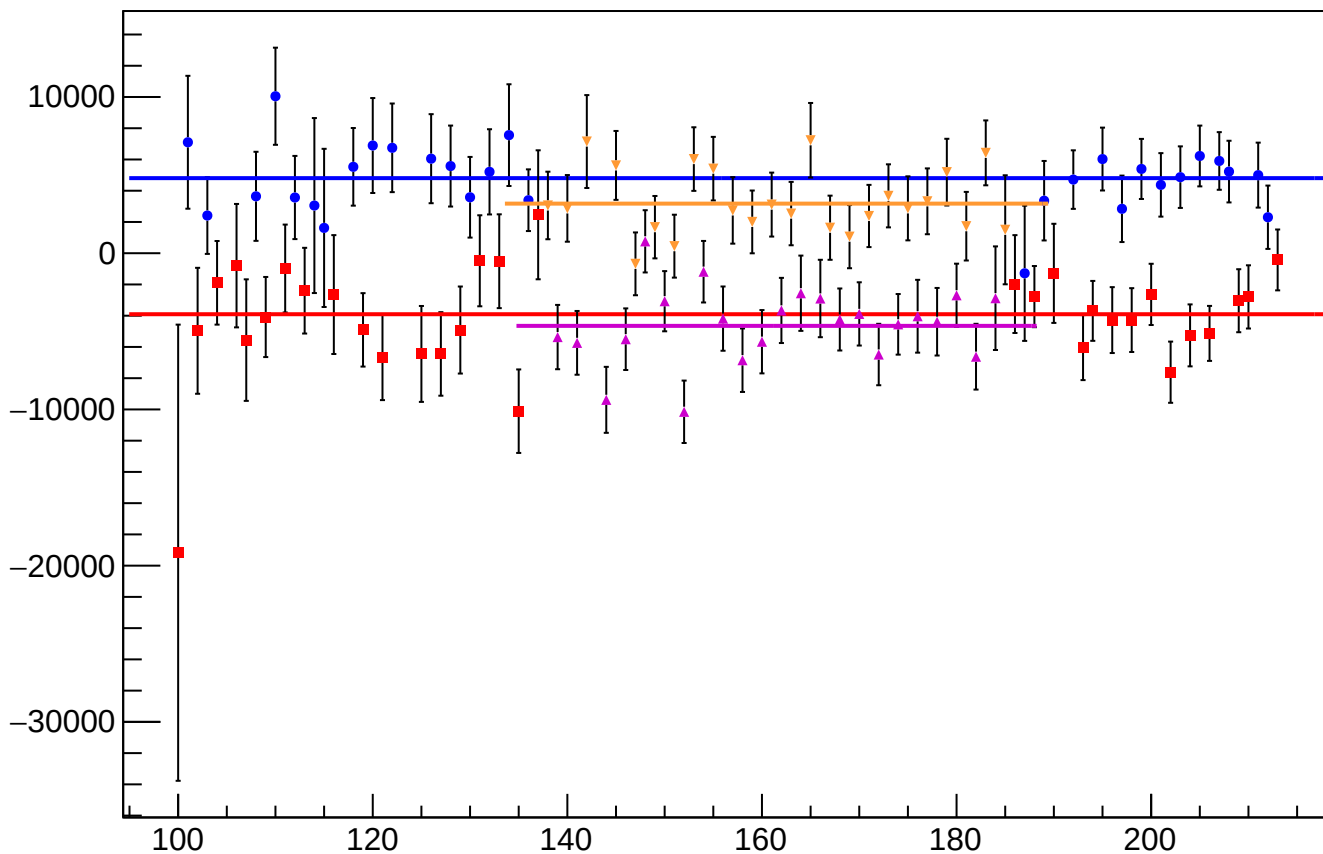
Left In: 6410.419+/-1.080 χ^2/NDF : 1219830.0/22

+ sign 6197.493+/-0.753 χ^2/NDF : 3502759.6/52

All: 6075.005+/-0.522 χ^2/NDF : 9268692.8/10

- sign 5961.628+/-0.725 χ^2/NDF : 5714987.1/54

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4805.791 $\pm$ 448.044 χ^2 /NDF: 13.9/28

Left Out: 3174.543 $\pm$ 434.815 χ^2 /NDF:21.6/23

Right Out: -3905.055 $\pm$ 437.867 χ^2 /NDF: 28.5/31

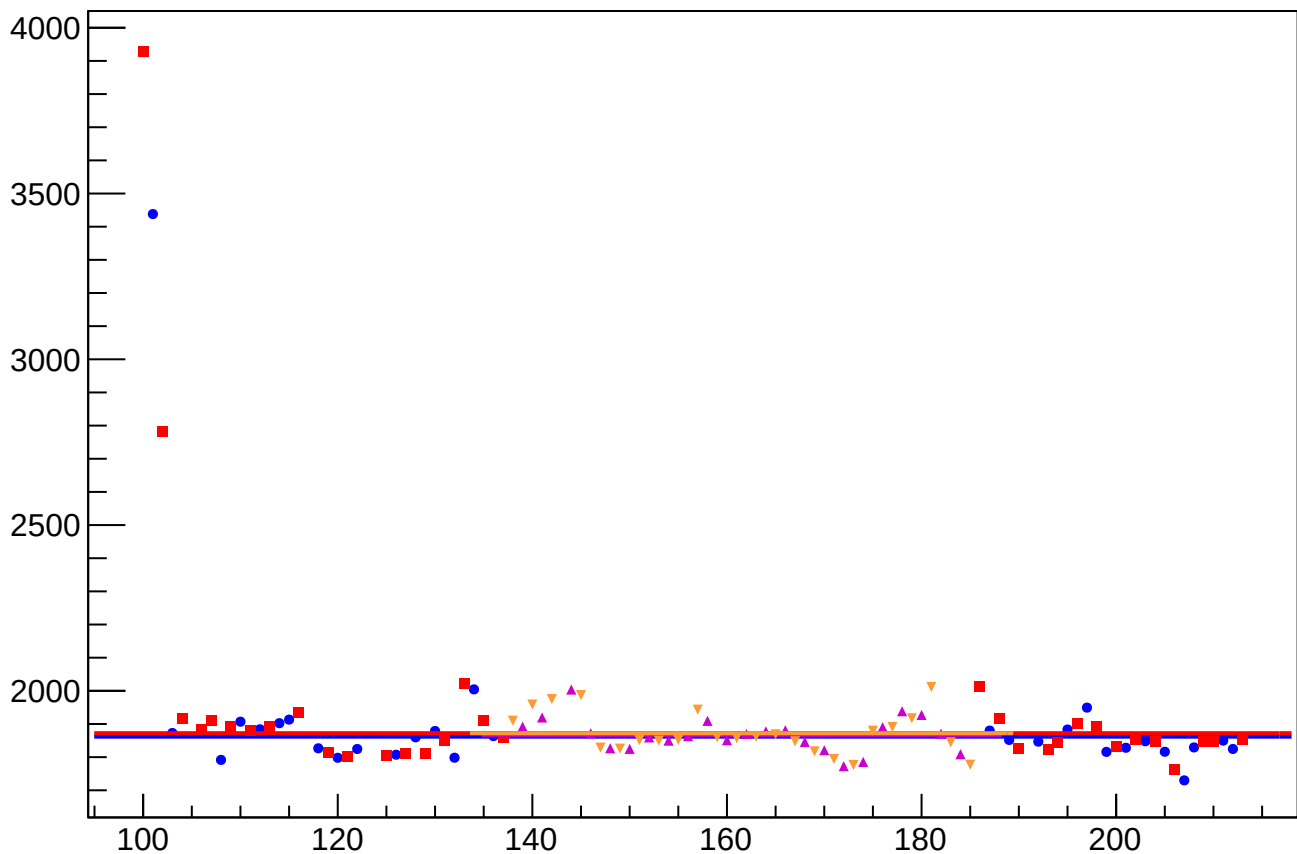
Left In: -4650.462 $\pm$ 436.198 χ^2 /NDF:30.5/22

+ sign 3965.730 $\pm$ 312.033 χ^2 /NDF: 42.3/52

All: -196.629 $\pm$ 219.570 χ^2 /NDF: 455.3/107

- sign -4279.182 $\pm$ 309.027 χ^2 /NDF: 60.5/54

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.788+/-0.317 χ^2/NDF : 302393.8/28

Left Out: 1871.981+/-0.307 χ^2/NDF : 37155.9/23

Right Out: 1872.285+/-0.309 χ^2/NDF : 171435.1/31

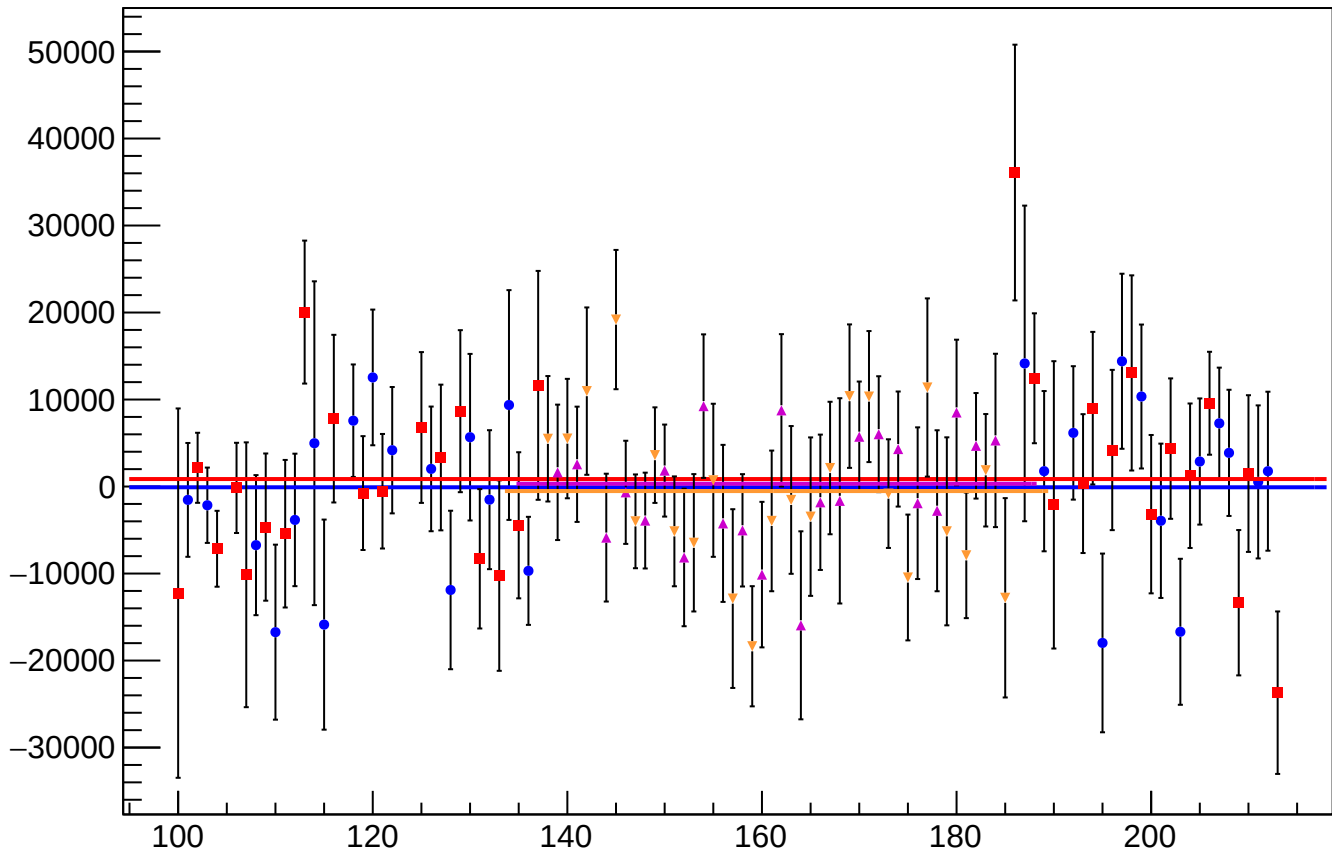
Left In: 1867.080+/-0.308 χ^2/NDF : 27247.8/22

+ sign 1867.037+/-0.221 χ^2/NDF : 340082.7/52

All: 1868.368+/-0.155 χ^2/NDF : 538979.7/107

- sign 1869.673+/-0.218 χ^2/NDF : 198824.8/54

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -85.130 ± 1477.182 $\chi^2/\text{NDF}: 29.1/28$

Left Out: -520.268 ± 1536.787 $\chi^2/\text{NDF}: 29.2/23$

Right Out: 861.483 ± 1381.119 $\chi^2/\text{NDF}: 38.9/31$

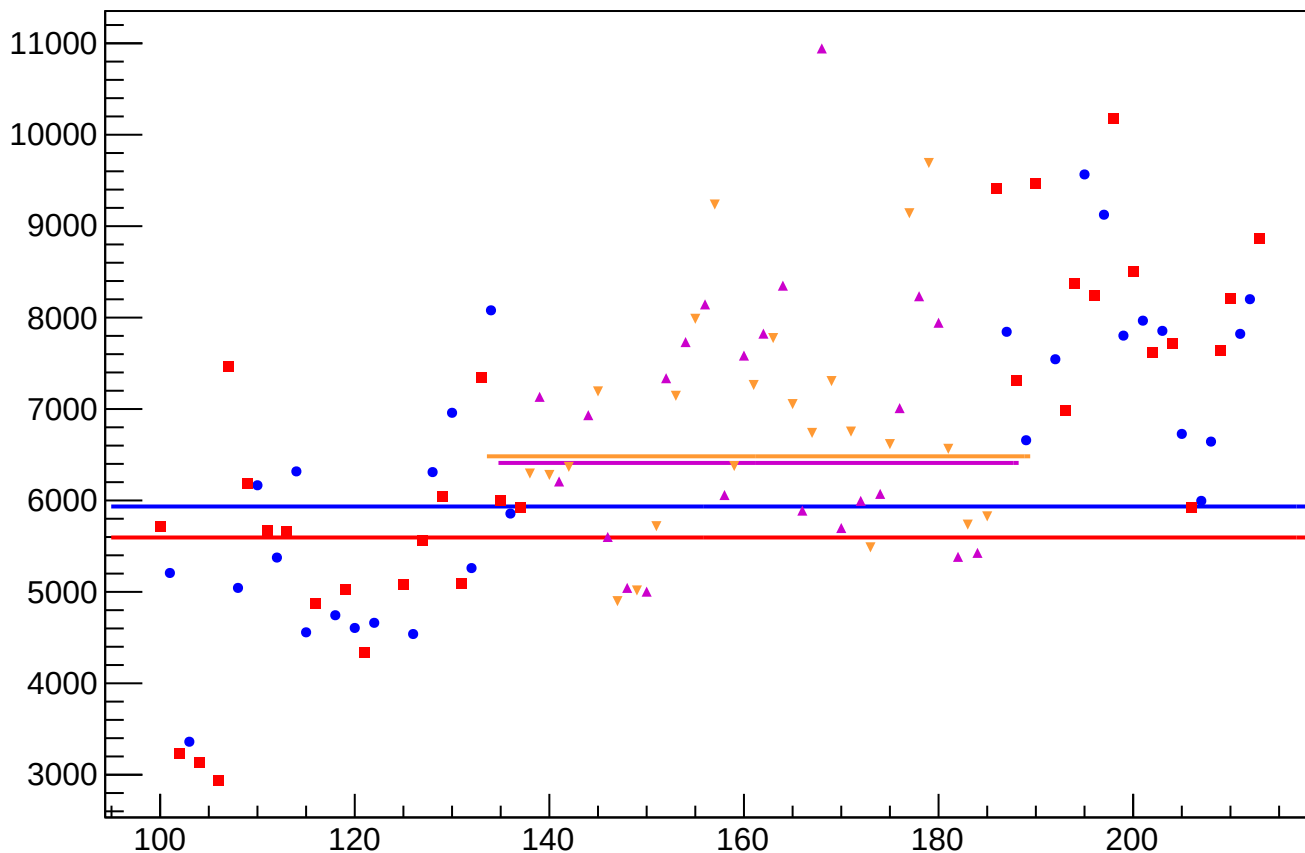
Left In: 324.626 ± 1527.998 $\chi^2/\text{NDF}: 13.4/22$

+ sign -294.097 ± 1064.974 $\chi^2/\text{NDF}: 58.3/52$

All: 180.653 ± 738.363 $\chi^2/\text{NDF}: 111.1/107$

- sign 620.091 ± 1024.601 $\chi^2/\text{NDF}: 52.3/54$

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 5933.946 $\pm$ 1.045 χ^2 /NDF: 2295648.5/28

Left Out: 6482.740 $\pm$ 1.087 χ^2 /NDF:1074587.3/23

Right Out: 5594.959 $\pm$ 0.977 χ^2 /NDF: 4181697.8/31

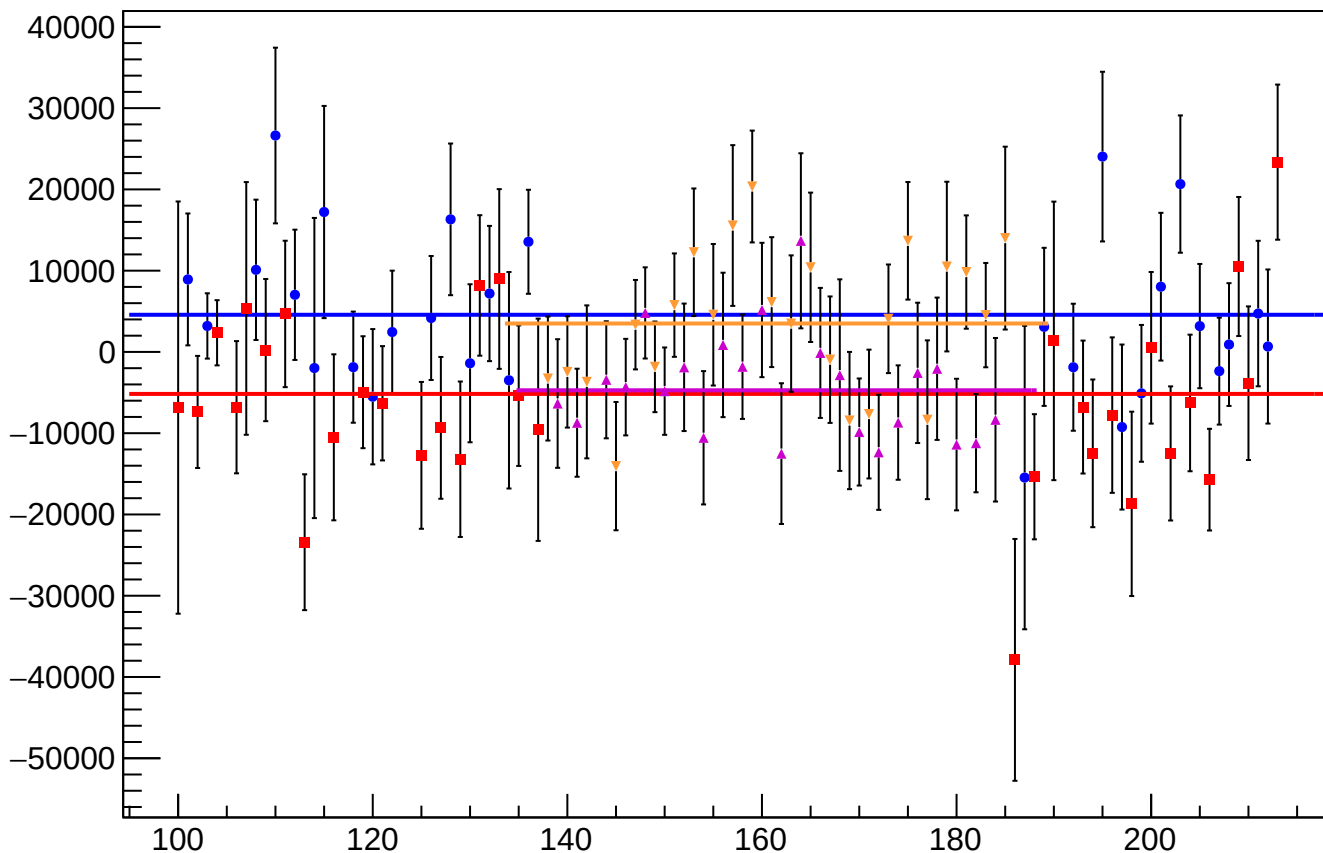
Left In: 6410.429 $\pm$ 1.080 χ^2 /NDF:1219833.0/22

+ sign 6197.494 $\pm$ 0.753 χ^2 /NDF: 3502802.0/52

All: 6075.005 $\pm$ 0.522 χ^2 /NDF: 9268787.4/10

- sign 5961.627 $\pm$ 0.725 χ^2 /NDF: 5715038.4/54

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4571.952+/-1523.704 χ^2/NDF : 26.8/28

Left Out: 3497.162+/-1545.839 χ^2/NDF : 27.5/23

Right Out: -5165.740+/-1501.853 χ^2/NDF : 41.8/31

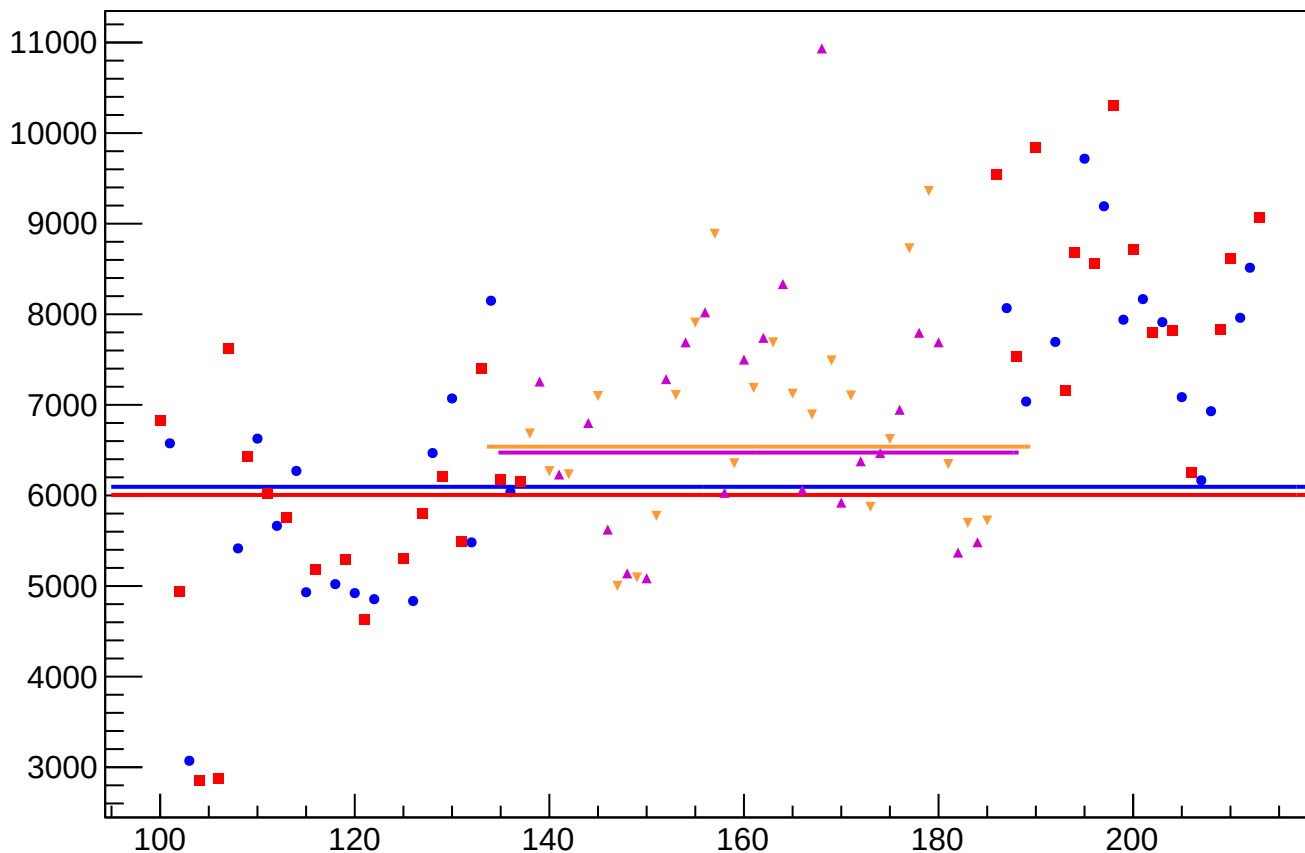
Left In: -4719.535+/-1539.177 χ^2/NDF : 14.3/22

+ sign 4042.307+/-1085.163 χ^2/NDF : 54.5/52

All: -495.518+/-763.680 χ^2/NDF : 145.2/107

- sign -4948.113+/-1074.923 χ^2/NDF : 56.1/54

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6095.405+/-1.077 χ^2/NDF : 2577595.4/28

Left Out: 6538.706+/-1.093 χ^2/NDF : 920612.0/23

Right Out: 6005.444+/-1.049 χ^2/NDF : 3737264.2/31

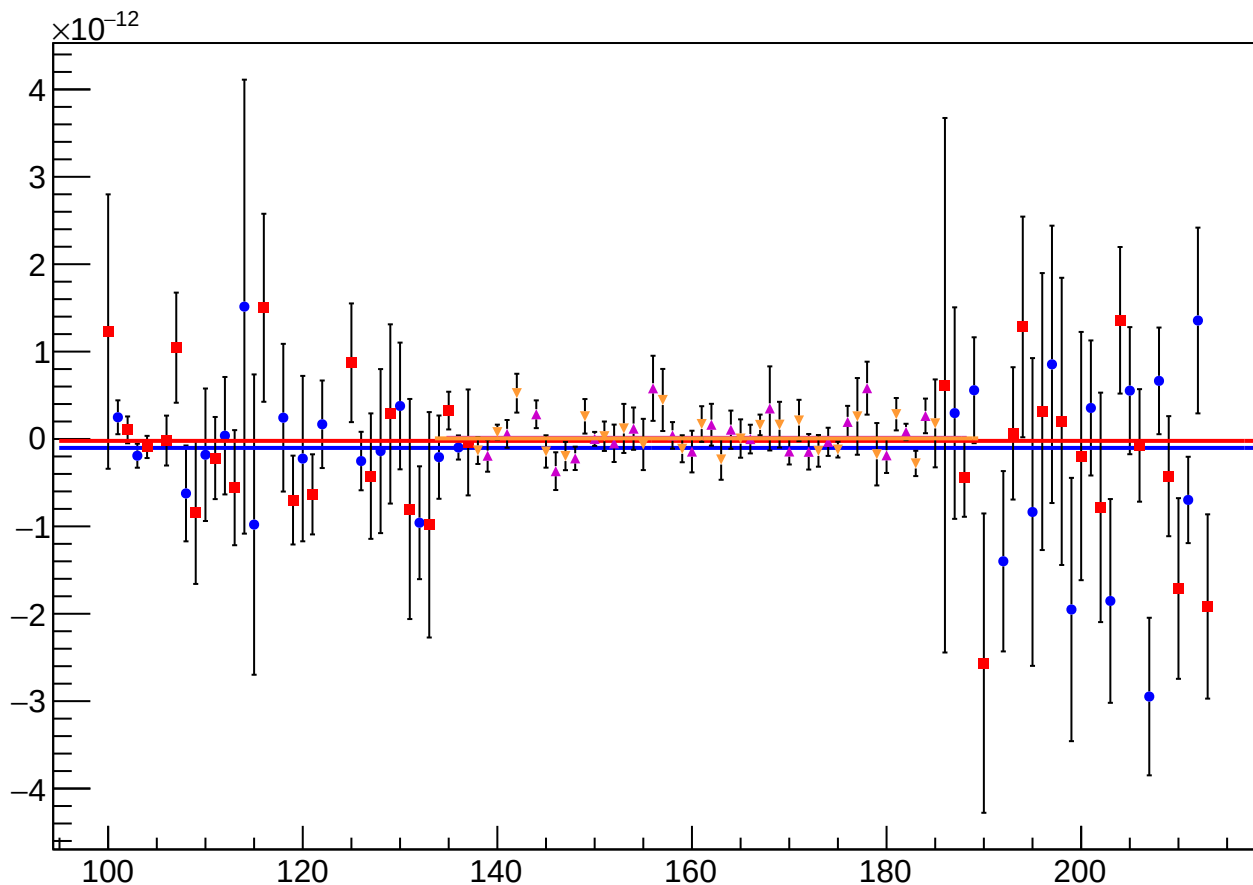
Left In: 6473.481+/-1.088 χ^2/NDF : 1071757.3/22

+ sign 6313.857+/-0.767 χ^2/NDF : 3581631.5/52

All: 6271.660+/-0.538 χ^2/NDF : 8492500.1/10

- sign 6230.787+/-0.755 χ^2/NDF : 4904915.2/54

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.4/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.1/31

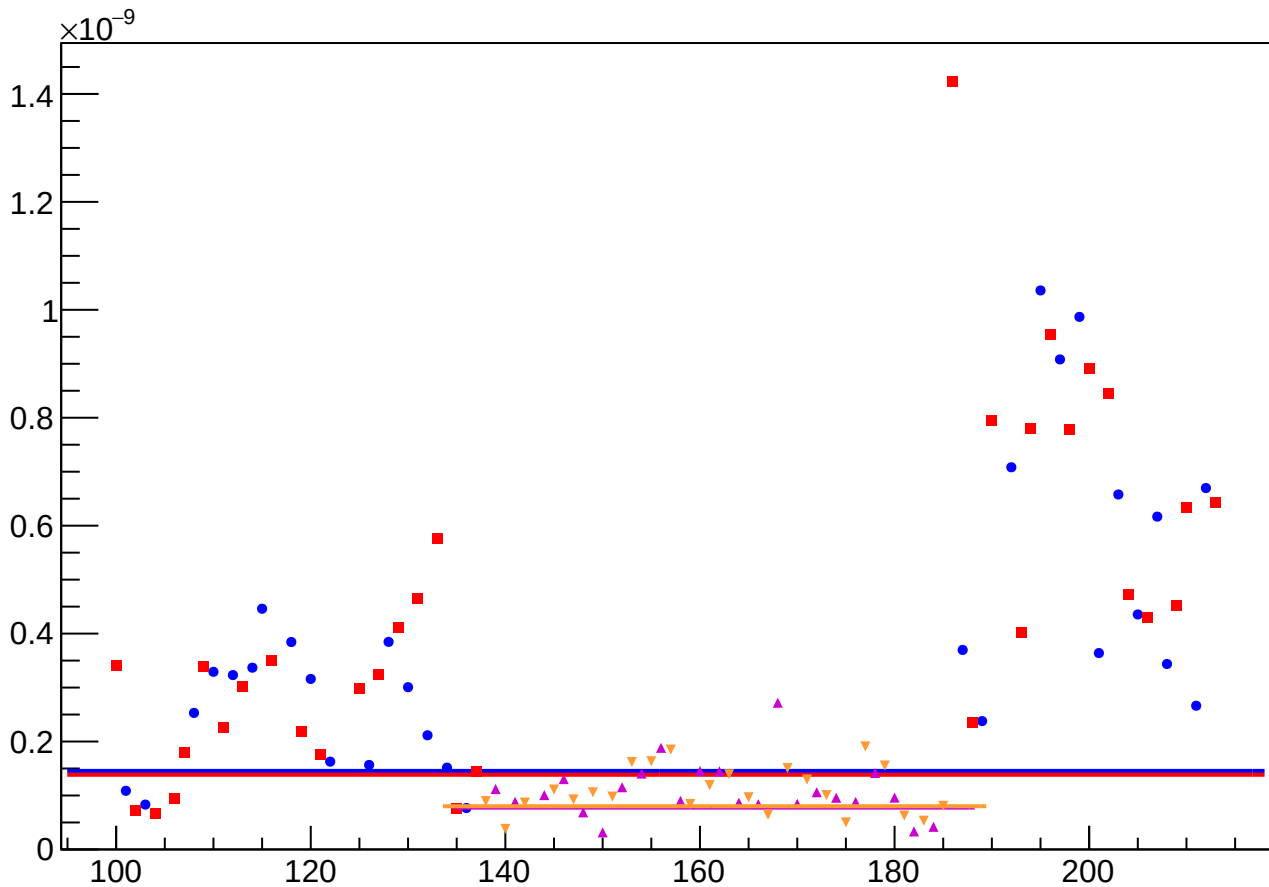
Left In: 0.000 ± 0.000 χ^2/NDF : 24.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.4/52

All: -0.000 ± 0.000 χ^2/NDF : 115.8/107

- sign 0.000 ± 0.000 χ^2/NDF : 55.2/54

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6392272.6/28

Left Out: 0.000+/-0.000 χ^2/NDF :2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8022412.0/31

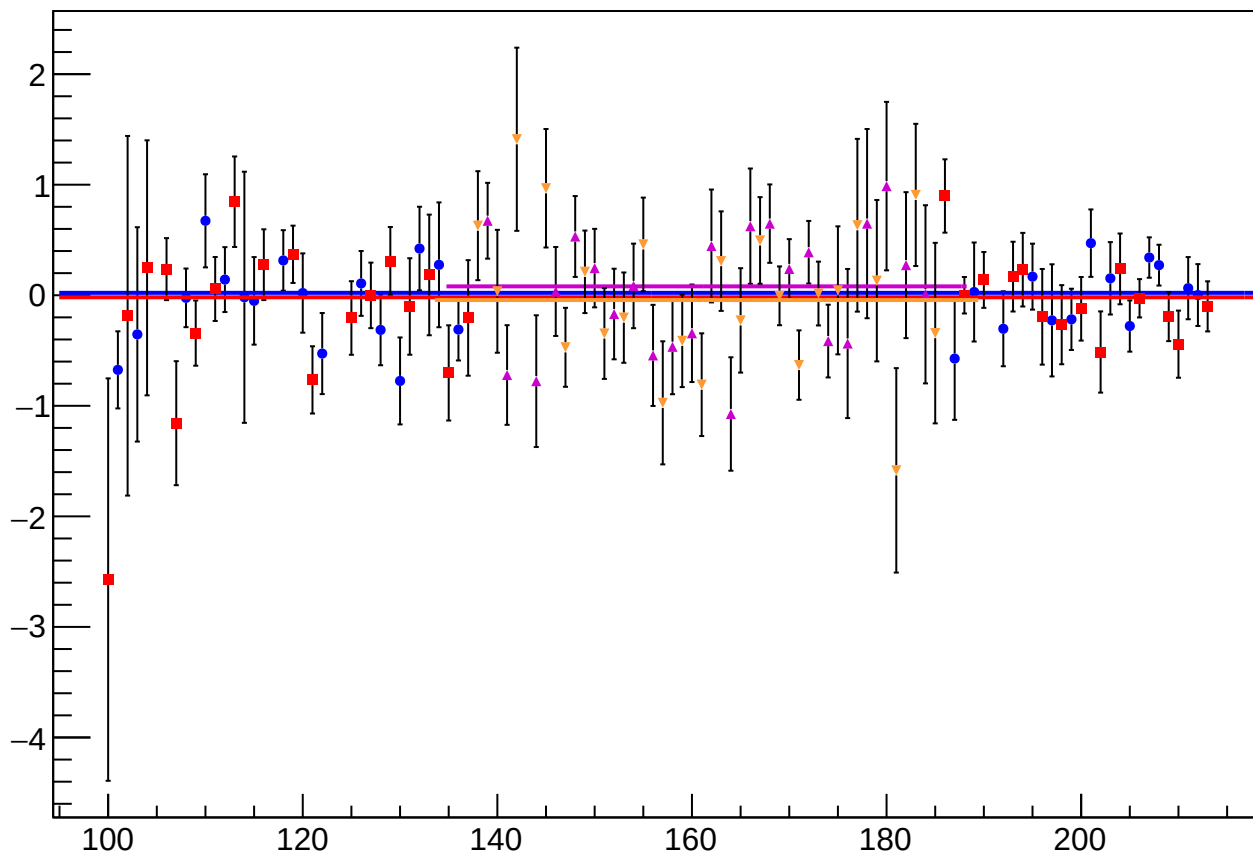
Left In: 0.000+/-0.000 χ^2/NDF :2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 9830603.7/52

All: 0.000+/-0.000 χ^2/NDF : 21634573.8/107

- sign 0.000+/-0.000 χ^2/NDF : 11790364.0/54

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.058 χ^2/NDF : 30.4/28

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.018 ± 0.054 χ^2/NDF : 41.0/31

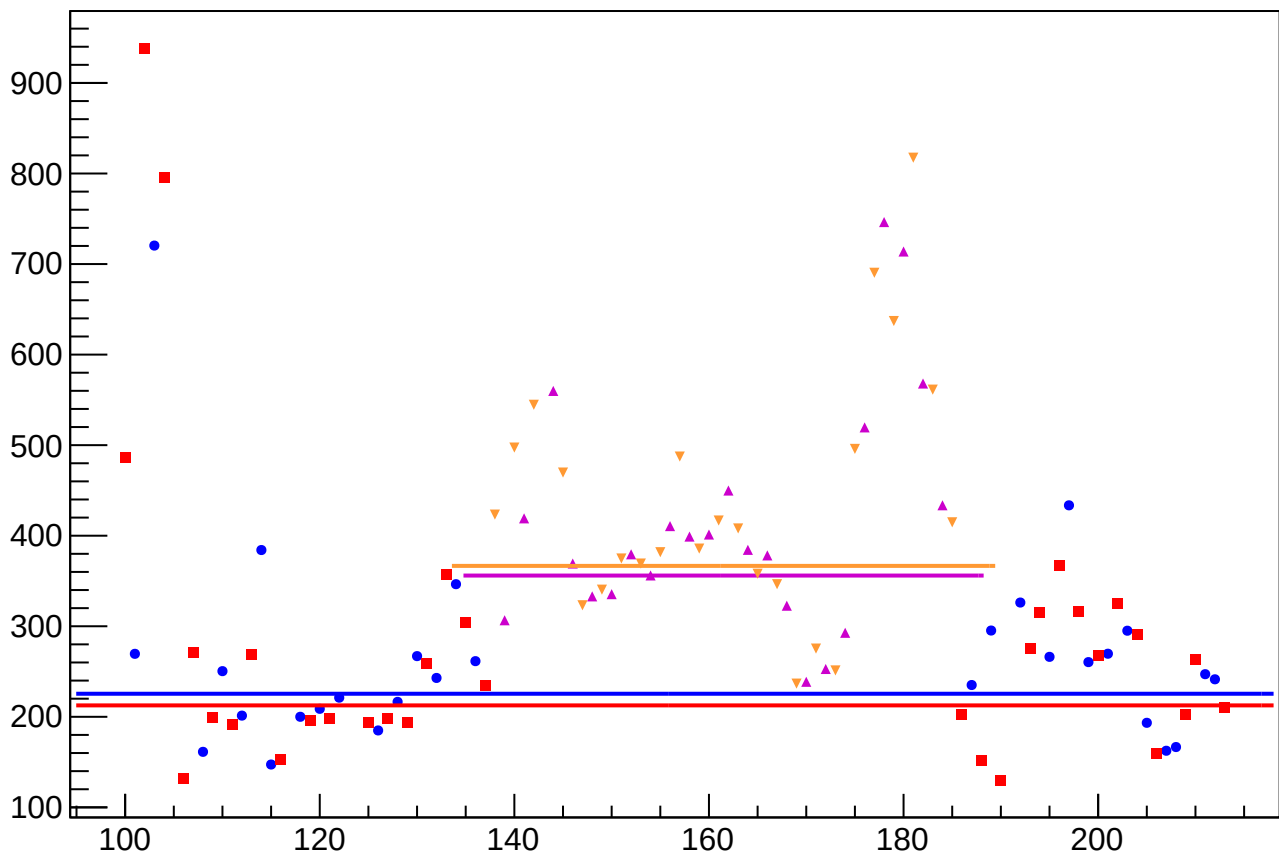
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign 0.003 ± 0.049 χ^2/NDF : 61.8/52

All: 0.006 ± 0.034 χ^2/NDF : 134.0/107

- sign 0.009 ± 0.046 χ^2/NDF : 72.2/54

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 225.468+/-0.041 χ^2/NDF : 2282485.3/28

Left Out: 366.670+/-0.064 χ^2/NDF : 2841071.8/23

Right Out: 212.607+/-0.038 χ^2/NDF : 3363298.9/31

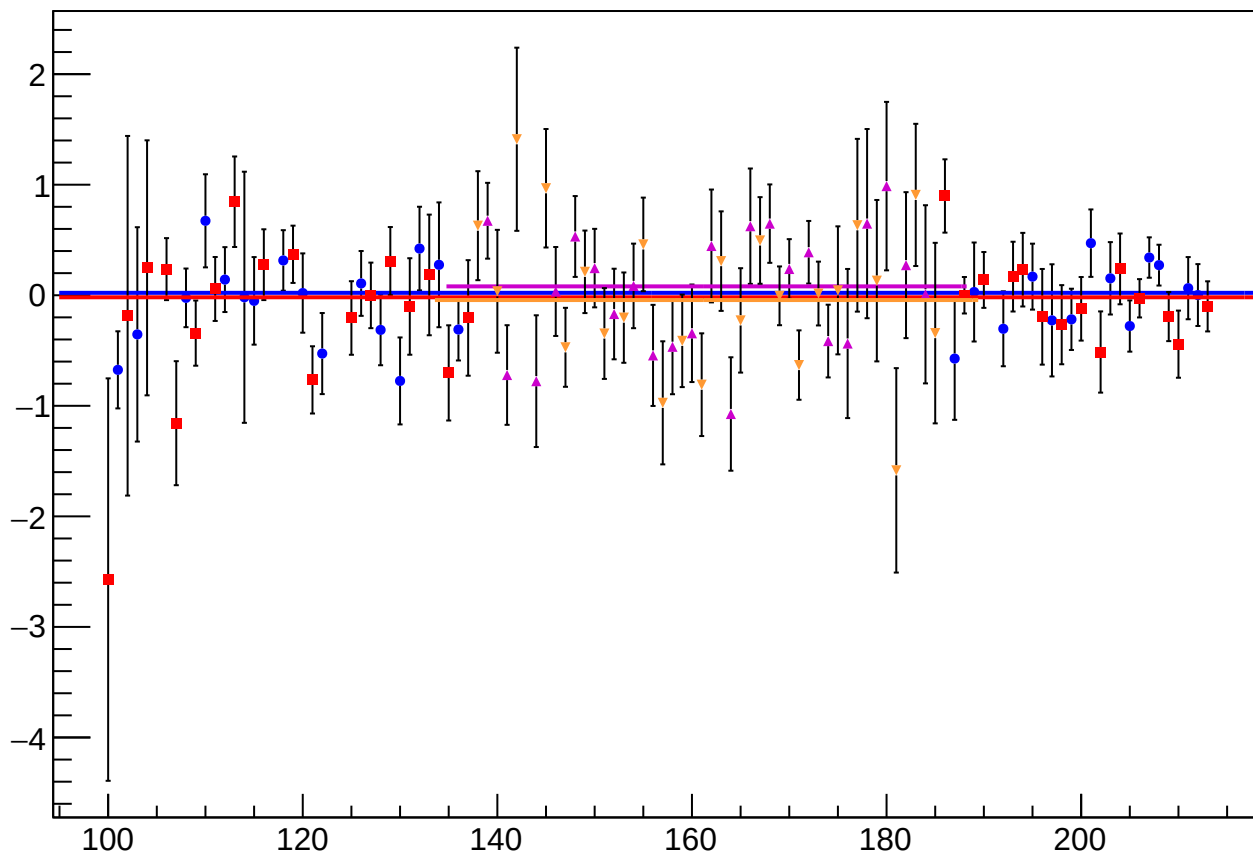
Left In: 355.992+/-0.062 χ^2/NDF : 2420701.1/22

+ sign 266.756+/-0.035 χ^2/NDF : 8571995.7/52

All: 259.190+/-0.024 χ^2/NDF : 18302146.0/10

- sign 252.426+/-0.033 χ^2/NDF : 9639520.0/54

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.058 $\chi^2/\text{NDF}: 30.4/28$

Left Out: -0.043 ± 0.090 $\chi^2/\text{NDF}: 31.0/23$

Right Out: -0.018 ± 0.054 $\chi^2/\text{NDF}: 41.0/31$

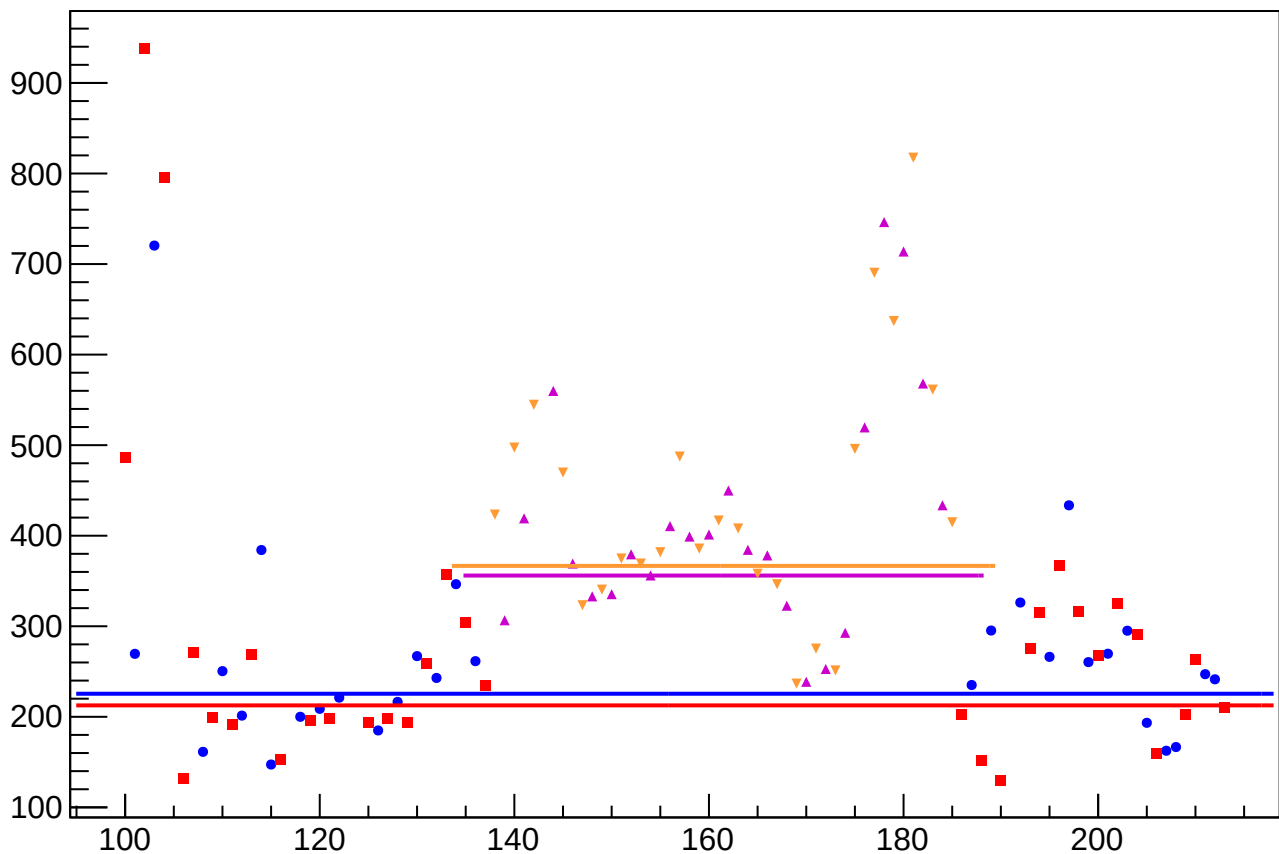
Left In: 0.080 ± 0.088 $\chi^2/\text{NDF}: 30.3/22$

+ sign 0.003 ± 0.049 $\chi^2/\text{NDF}: 61.8/52$

All: 0.006 ± 0.034 $\chi^2/\text{NDF}: 134.0/107$

- sign 0.009 ± 0.046 $\chi^2/\text{NDF}: 72.2/54$

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 225.468+/-0.041 χ^2/NDF : 2282485.3/28

Left Out: 366.670+/-0.064 χ^2/NDF :2841071.8/23

Right Out: 212.607+/-0.038 χ^2/NDF : 3363298.9/31

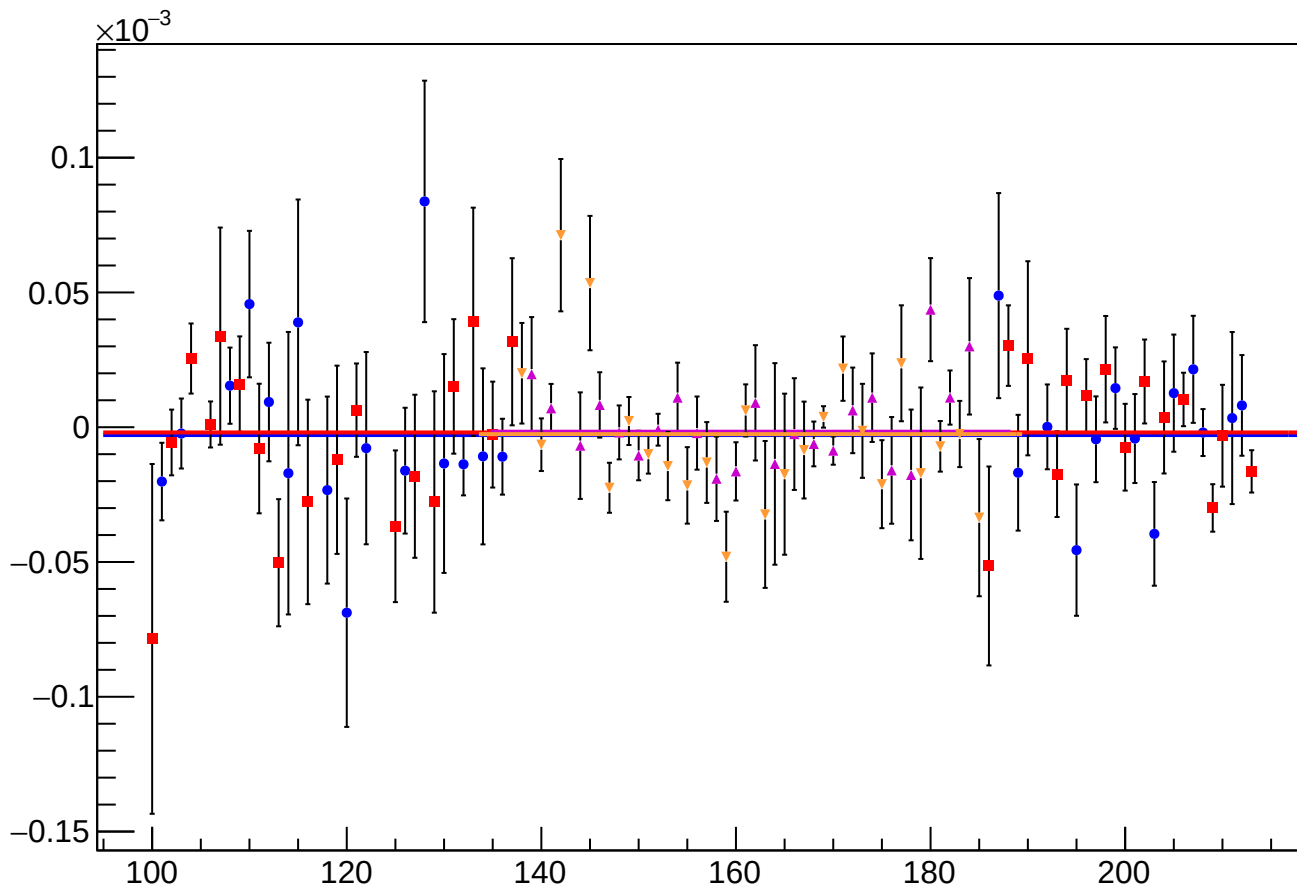
Left In: 355.992+/-0.062 χ^2/NDF :2420701.1/22

+ sign 266.756+/-0.035 χ^2/NDF : 8571995.7/52

All: 259.190+/-0.024 χ^2/NDF : 18302146.0/10

- sign 252.426+/-0.033 χ^2/NDF : 9639520.0/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.5/28

Left Out: -0.000+/-0.000 χ^2/NDF : 43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF : 45.8/31

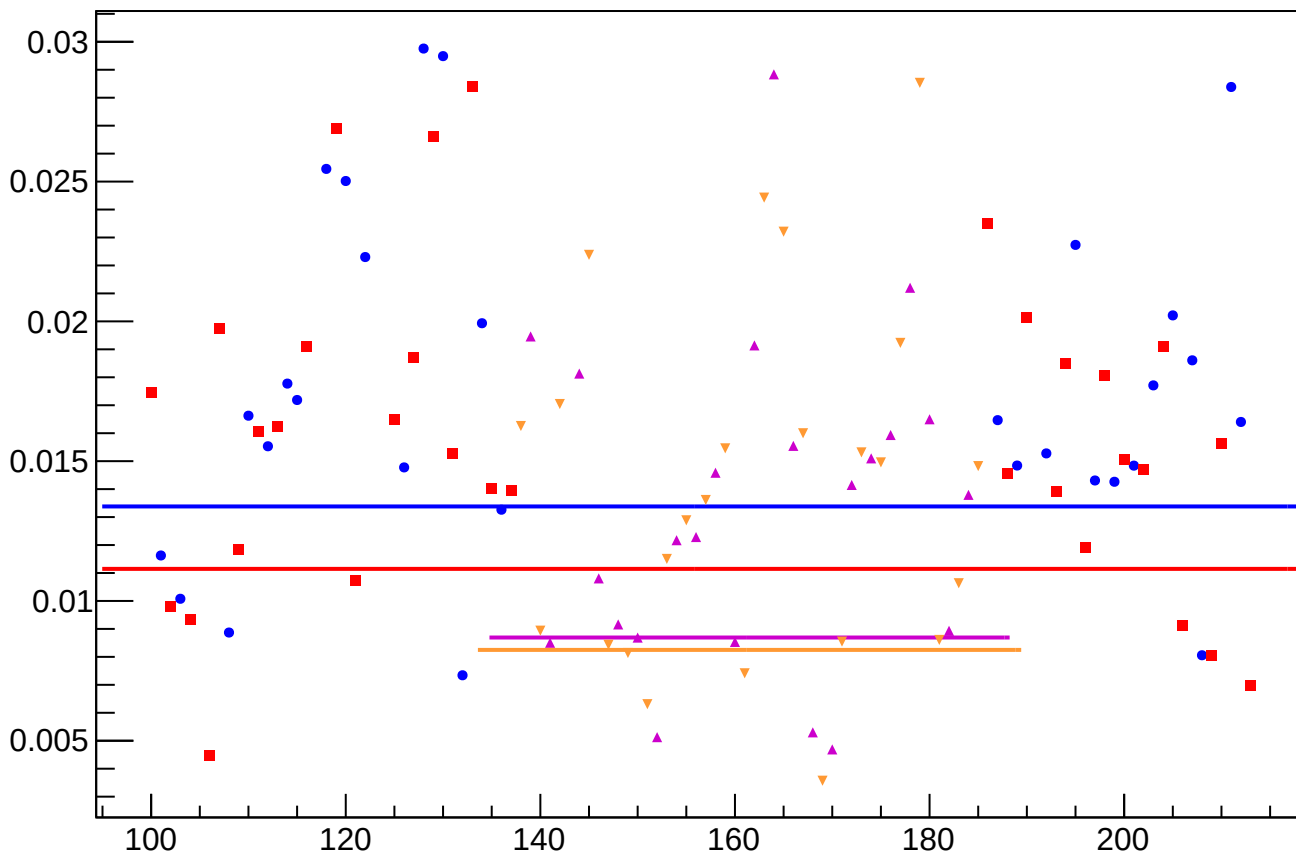
Left In: -0.000+/-0.000 χ^2/NDF : 20.7/22

+ sign -0.000+/-0.000 χ^2/NDF : 72.0/52

All: -0.000+/-0.000 χ^2/NDF : 138.6/107

- sign -0.000+/-0.000 χ^2/NDF : 66.5/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 4231253.8/28

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 8879581.2/23

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 5571597.6/31

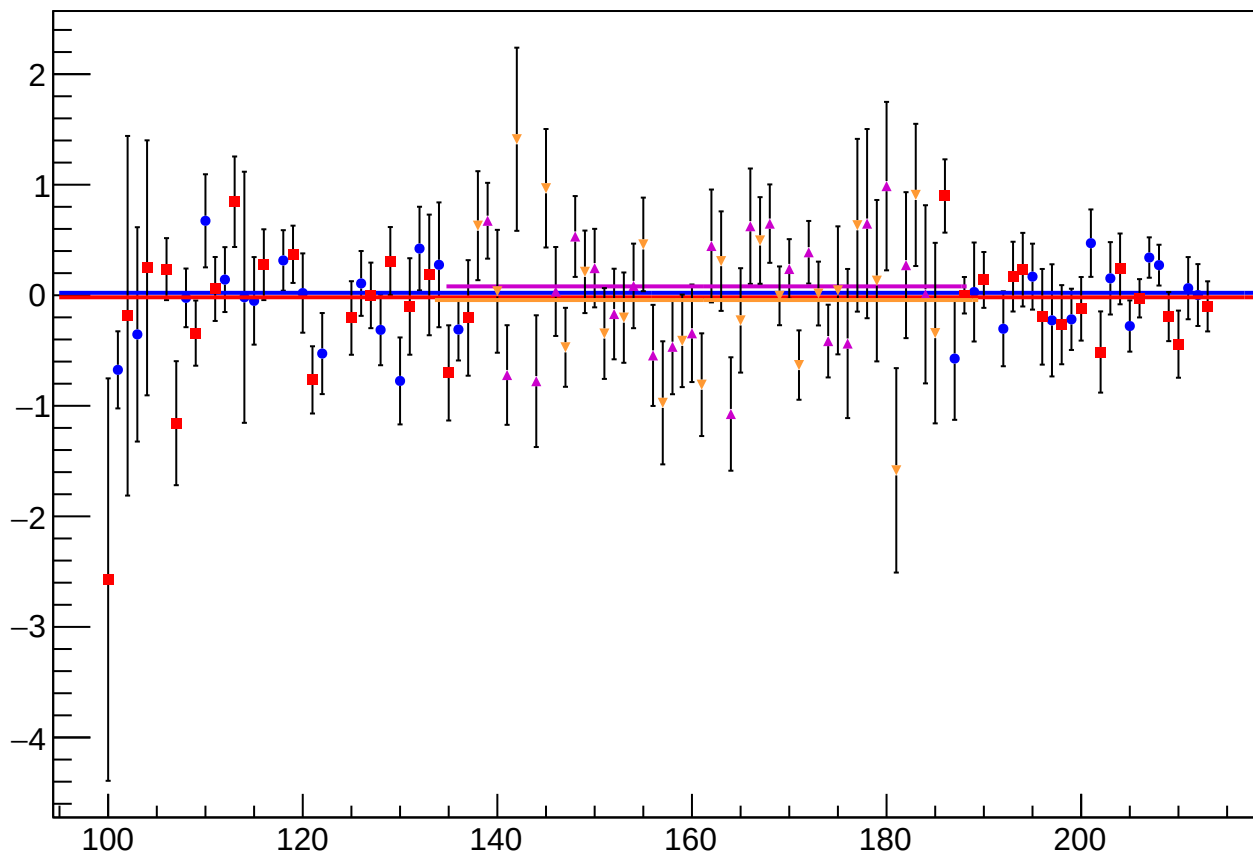
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 6875072.4/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 16191888.4/52

All: 0.010 $\pm$ 0.000 χ^2/NDF : 29514541.5/107

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 13318711.8/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.058 χ^2/NDF : 30.4/28

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.018 ± 0.054 χ^2/NDF : 41.0/31

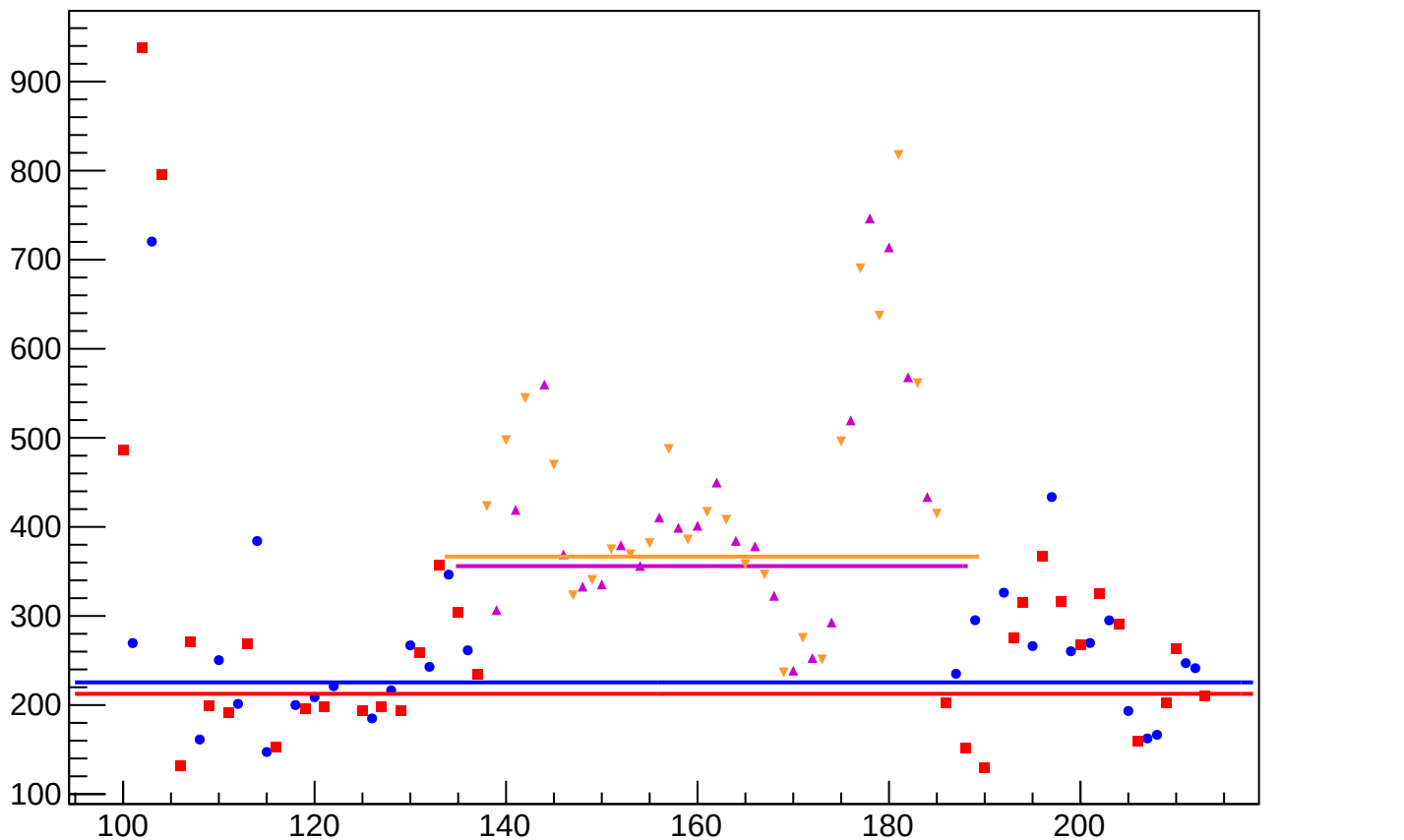
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign 0.003 ± 0.049 χ^2/NDF : 61.8/52

All: 0.006 ± 0.034 χ^2/NDF : 134.0/107

- sign 0.009 ± 0.046 χ^2/NDF : 72.2/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 225.467 $\pm$ 0.041 χ^2 /NDF: 2282529.2/28

Left Out: 366.671 $\pm$ 0.064 χ^2 /NDF: 2841292.6/23

Right Out: 212.604 $\pm$ 0.038 χ^2 /NDF: 3363370.5/31

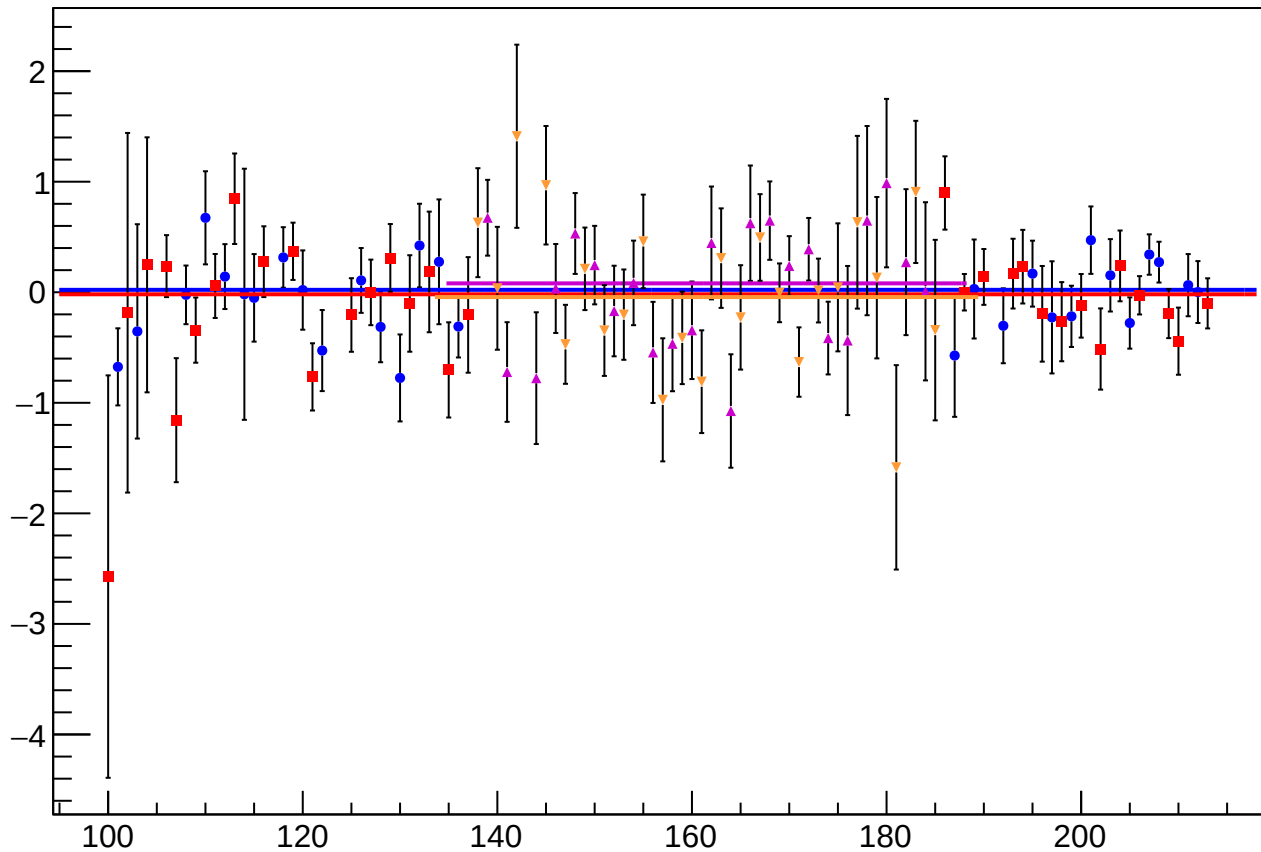
Left In: 355.993 $\pm$ 0.062 χ^2 /NDF: 2420863.3/22

+ sign 266.754 $\pm$ 0.035 χ^2 /NDF: 8572343.3/52

All: 259.188 $\pm$ 0.024 χ^2 /NDF: 18302957.8/10

- sign 252.423 $\pm$ 0.033 χ^2 /NDF: 9639970.4/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.058 χ^2/NDF : 30.4/28

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: -0.018 ± 0.054 χ^2/NDF : 41.0/31

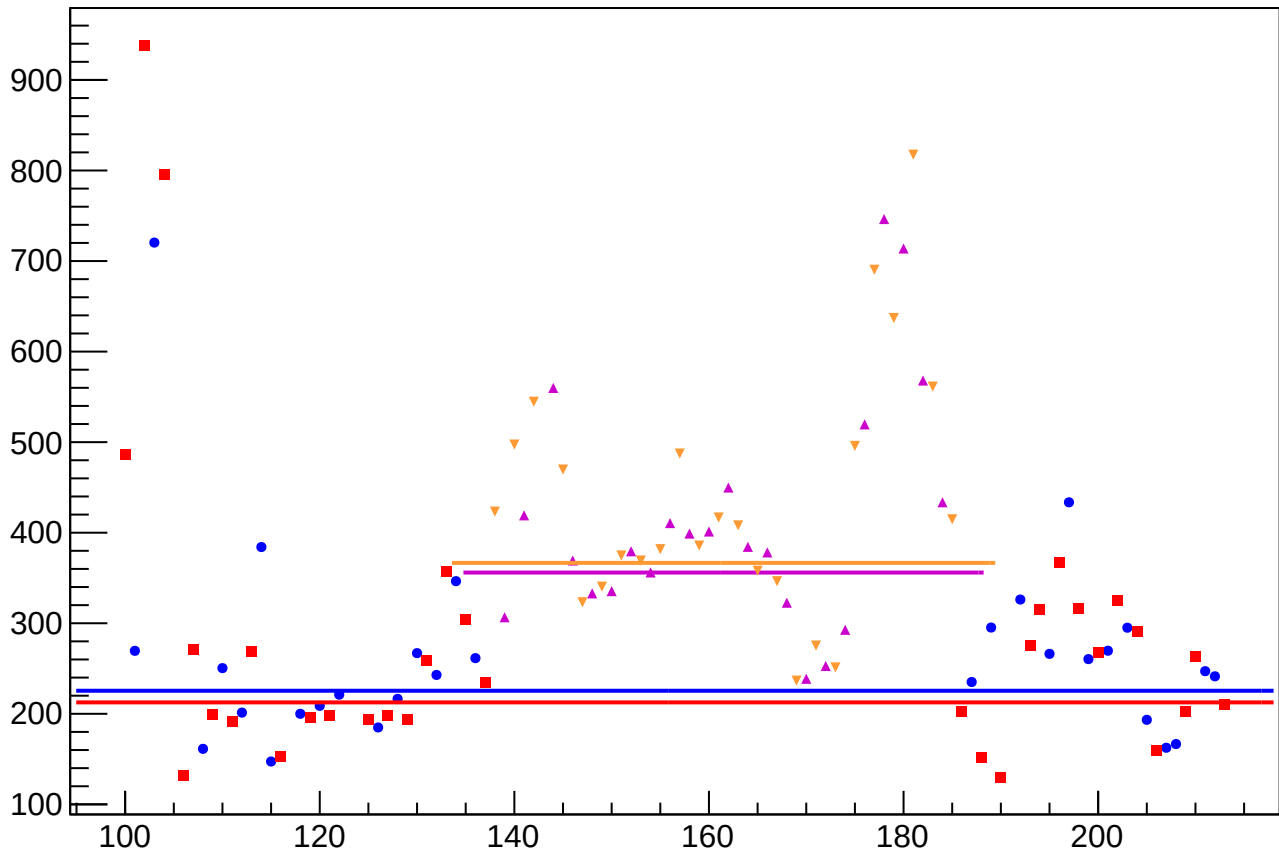
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign 0.003 ± 0.049 χ^2/NDF : 61.8/52

All: 0.006 ± 0.034 χ^2/NDF : 134.0/107

- sign 0.009 ± 0.046 χ^2/NDF : 72.2/54

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 225.467 $\pm$ 0.041 χ^2 /NDF: 2282529.2/28

Left Out: 366.671 $\pm$ 0.064 χ^2 /NDF: 2841292.6/23

Right Out: 212.604 $\pm$ 0.038 χ^2 /NDF: 3363370.5/31

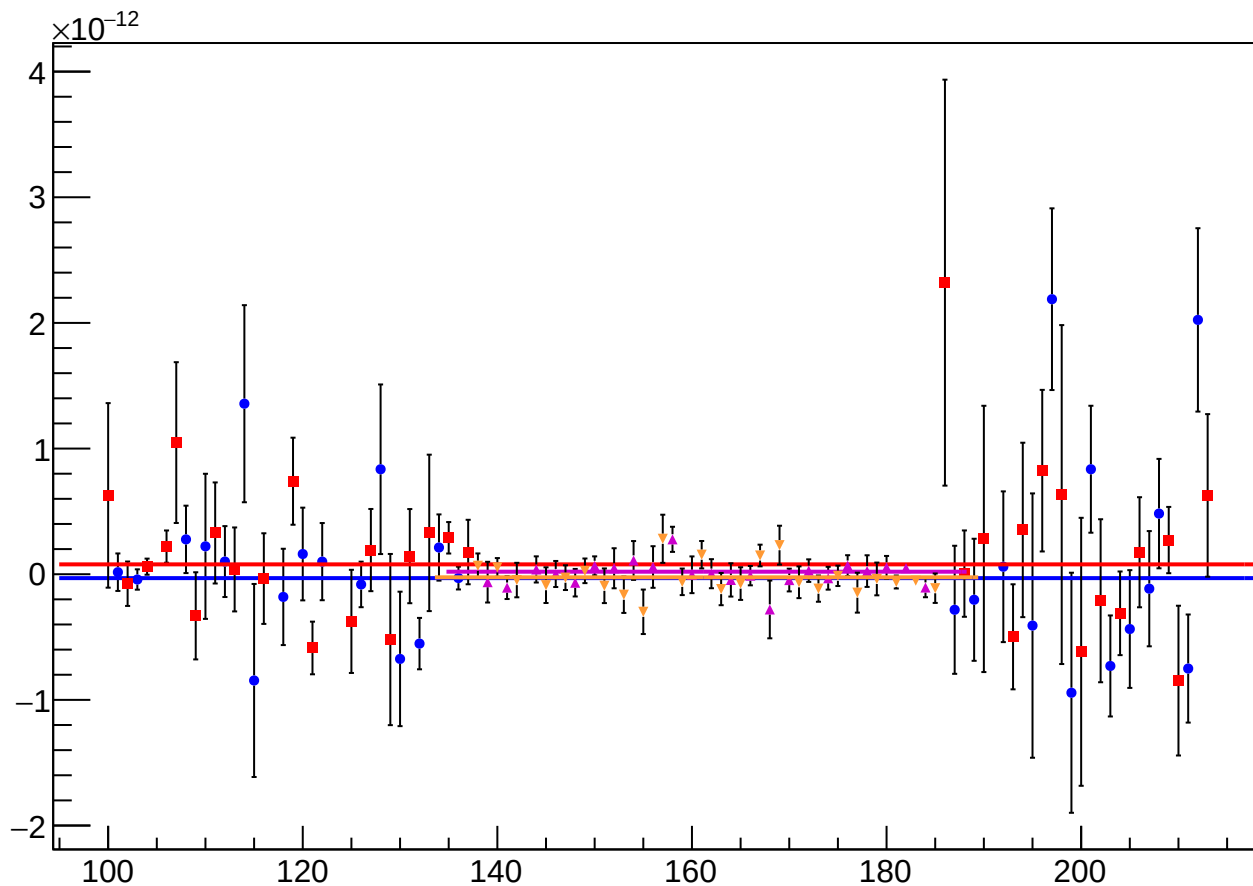
Left In: 355.993 $\pm$ 0.062 χ^2 /NDF: 2420863.3/22

+ sign 266.754 $\pm$ 0.035 χ^2 /NDF: 8572343.3/52

All: 259.188 $\pm$ 0.024 χ^2 /NDF: 18302957.8/10

- sign 252.423 $\pm$ 0.033 χ^2 /NDF: 9639970.4/54

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 47.0/28

Left Out: -0.000+/-0.000 χ^2/NDF : 21.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 37.1/31

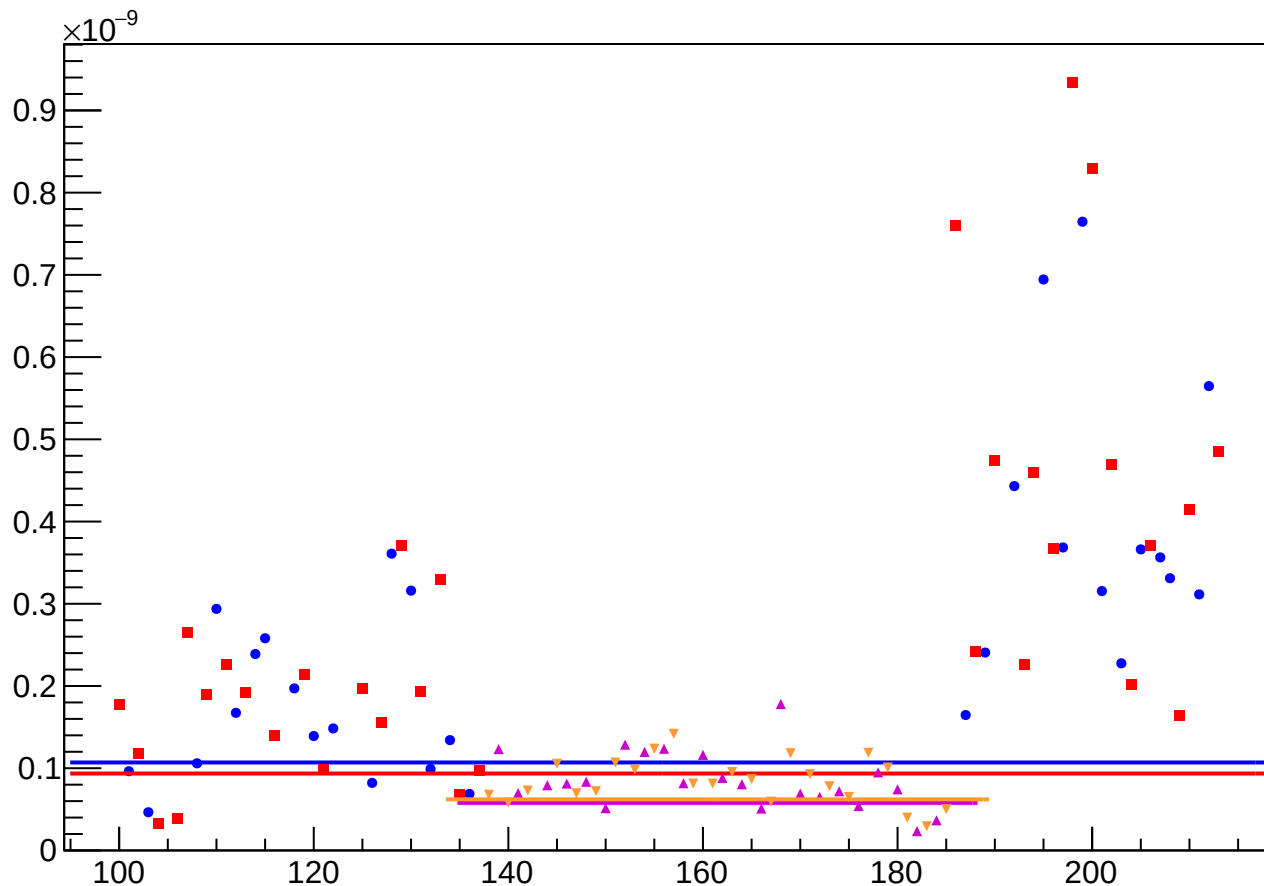
Left In: 0.000+/-0.000 χ^2/NDF : 17.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 68.9/52

All: 0.000+/-0.000 χ^2/NDF : 129.9/107

- sign 0.000+/-0.000 χ^2/NDF : 56.0/54

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8860168.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:4100152.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11203060.5/31

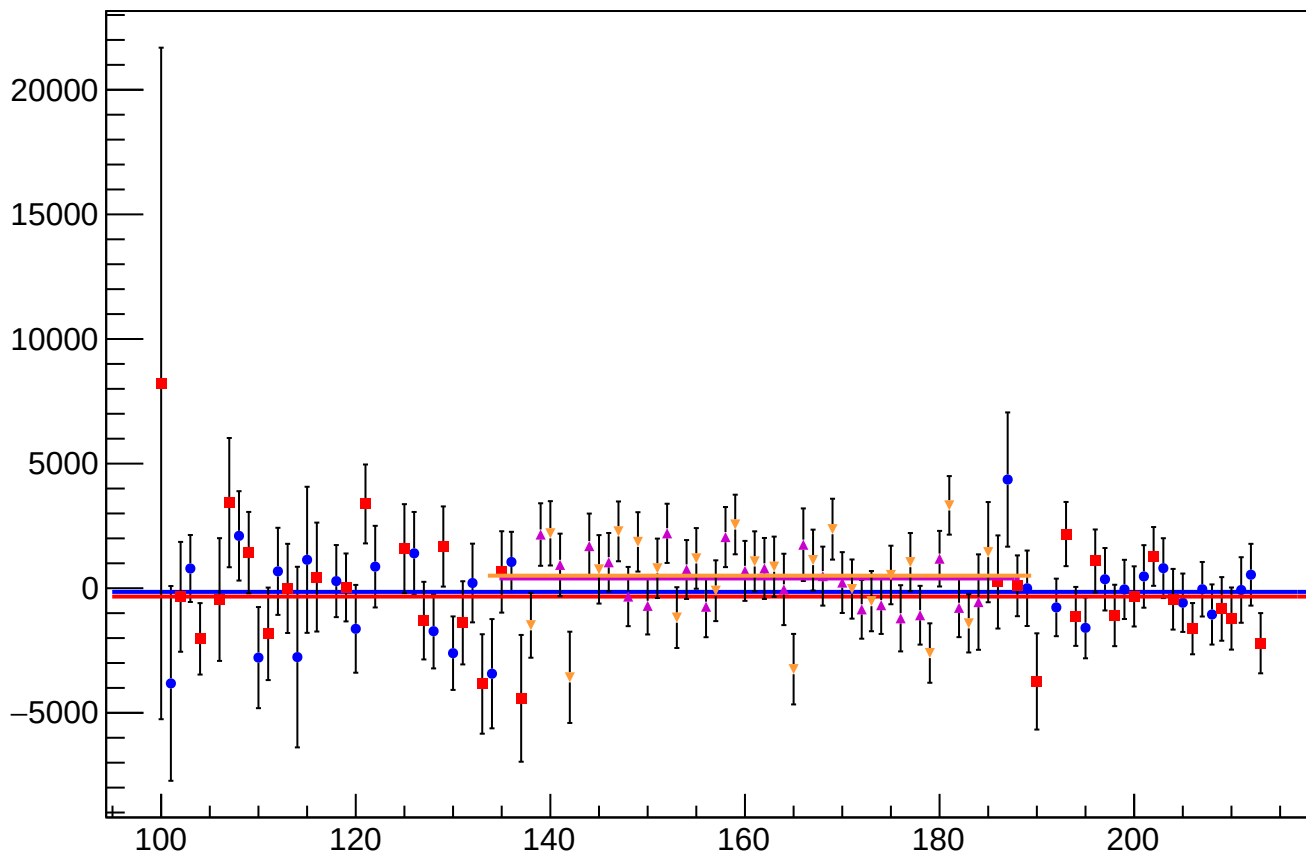
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:5512617.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14652746.7/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32682607.2/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17929184.5/54

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -146.536 ± 271.386 χ^2/NDF : 21.4/28

Left Out: 503.606 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -334.804 ± 265.485 χ^2/NDF : 36.8/31

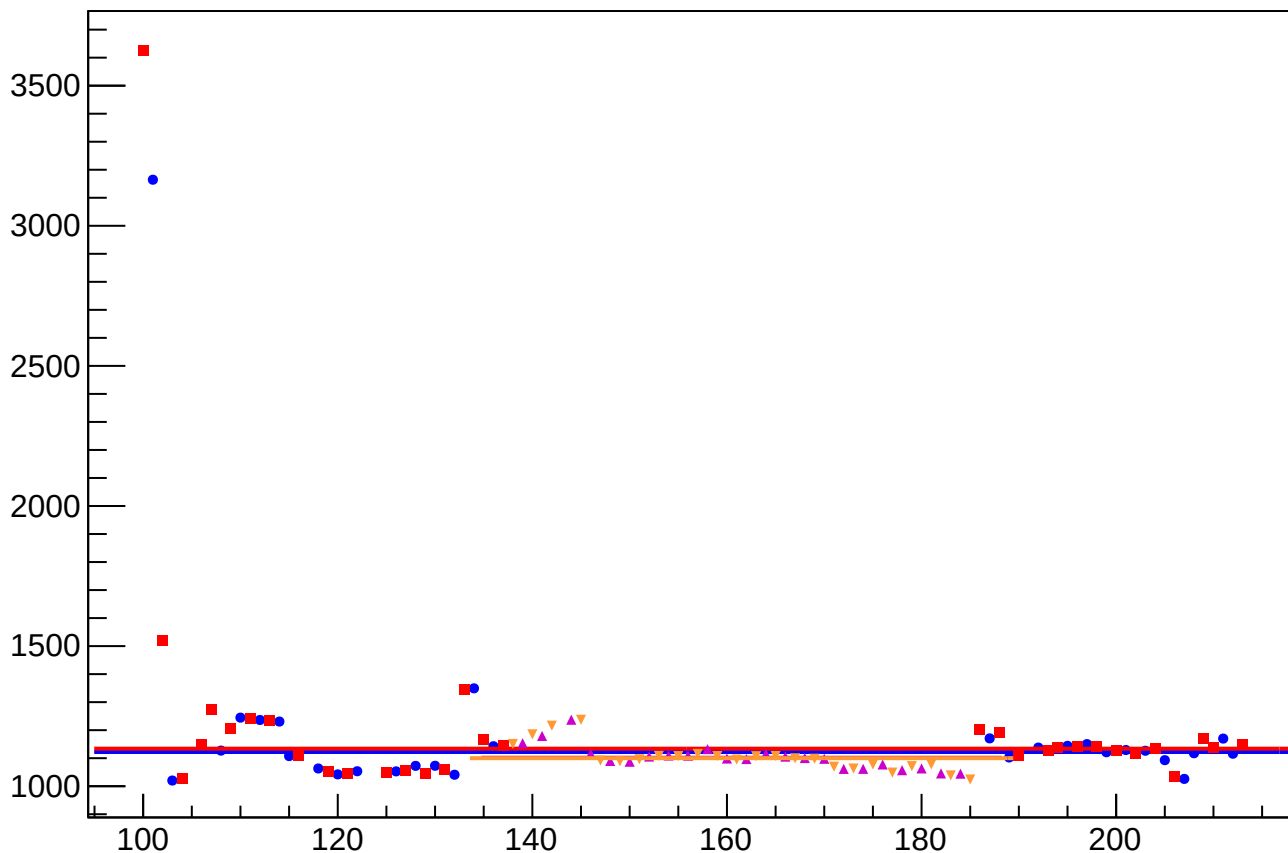
Left In: 391.701 ± 257.386 χ^2/NDF : 17.8/22

+ sign 198.081 ± 186.040 χ^2/NDF : 69.0/52

All: 118.359 ± 131.108 χ^2/NDF : 127.8/107

- sign 39.699 ± 184.796 χ^2/NDF : 58.4/54

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.168 $\pm$ 0.192 χ^2 /NDF: 644229.3/28

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1133.949 $\pm$ 0.188 χ^2 /NDF: 249343.5/31

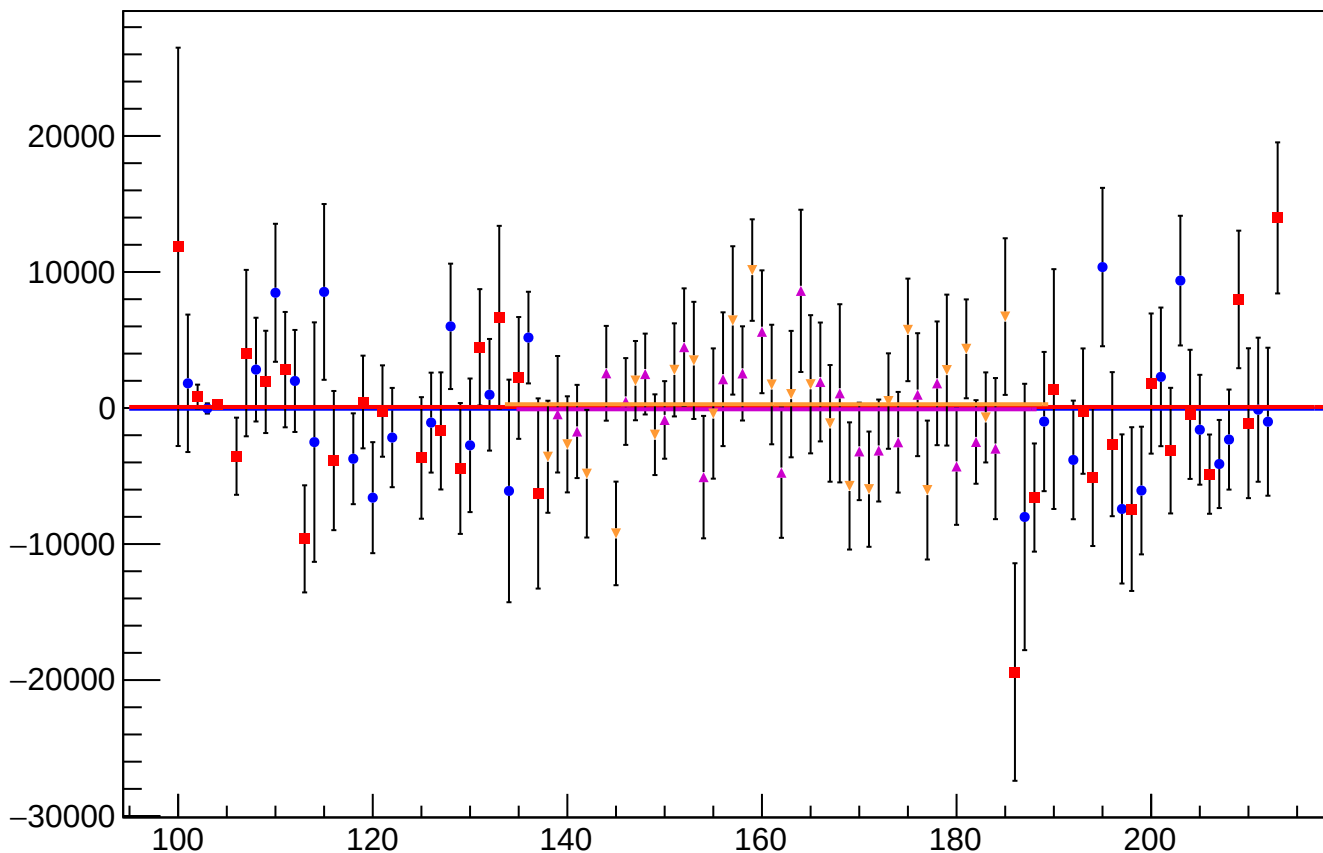
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1110.451 $\pm$ 0.132 χ^2 /NDF: 709996.5/52

All: 1113.874 $\pm$ 0.093 χ^2 /NDF: 1028214.7/10

- sign 1117.248 $\pm$ 0.131 χ^2 /NDF: 316873.9/54

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



Right In: -52.264 ± 344.836 χ^2/NDF : 29.2/28

Left Out: 277.507 ± 820.501 χ^2/NDF : 29.9/23

Right Out: 76.824 ± 313.043 χ^2/NDF : 39.6/31

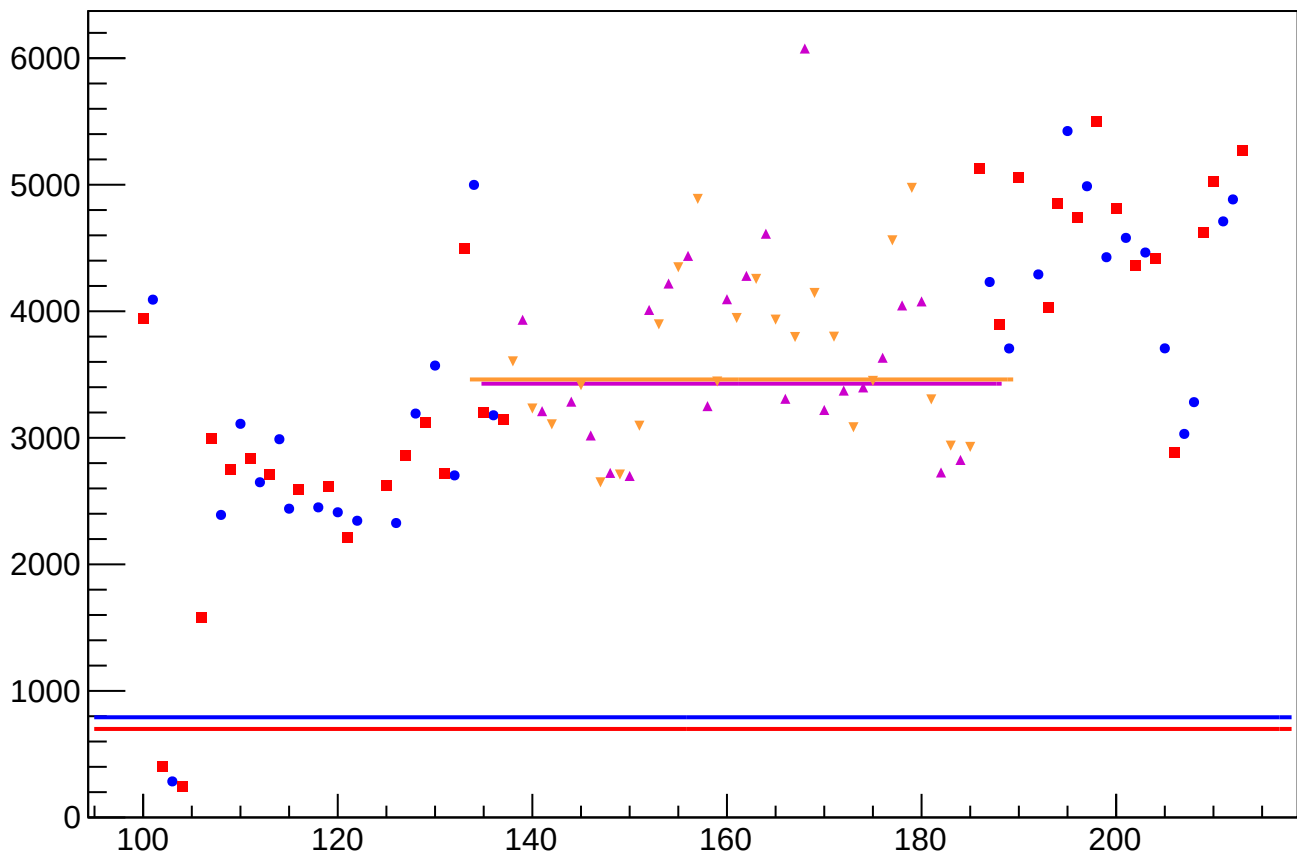
Left In: -94.734 ± 817.223 χ^2/NDF : 13.7/22

+ sign -2.760 ± 317.901 χ^2/NDF : 59.3/52

All: 28.466 ± 215.182 χ^2/NDF : 112.6/107

- sign 54.871 ± 292.330 χ^2/NDF : 53.3/54

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 791.753+/-0.244 χ^2/NDF : 23895010.1/28

Left Out: 3461.259+/-0.580 χ^2/NDF : 1058687.1/23

Right Out: 699.371+/-0.221 χ^2/NDF : 26011486.1/31

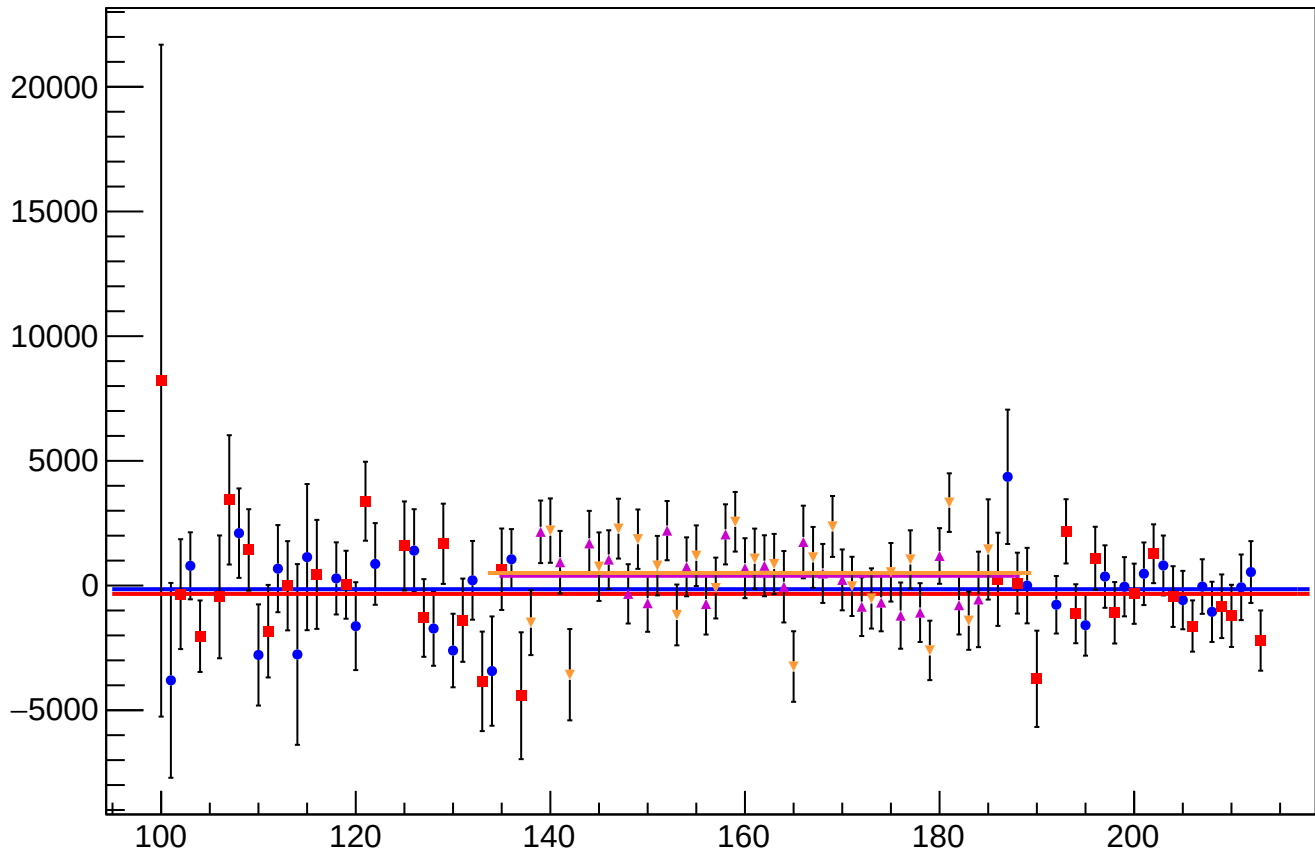
Left In: 3427.860+/-0.578 χ^2/NDF : 1243133.8/22

+ sign 1192.487+/-0.225 χ^2/NDF : 42946273.2/52

All: 1114.471+/-0.152 χ^2/NDF : 89864759.0/100

- sign 1048.501+/-0.207 χ^2/NDF : 46696180.9/54

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -146.498 ± 271.386 χ^2/NDF : 21.3/28

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -334.815 ± 265.485 χ^2/NDF : 36.8/31

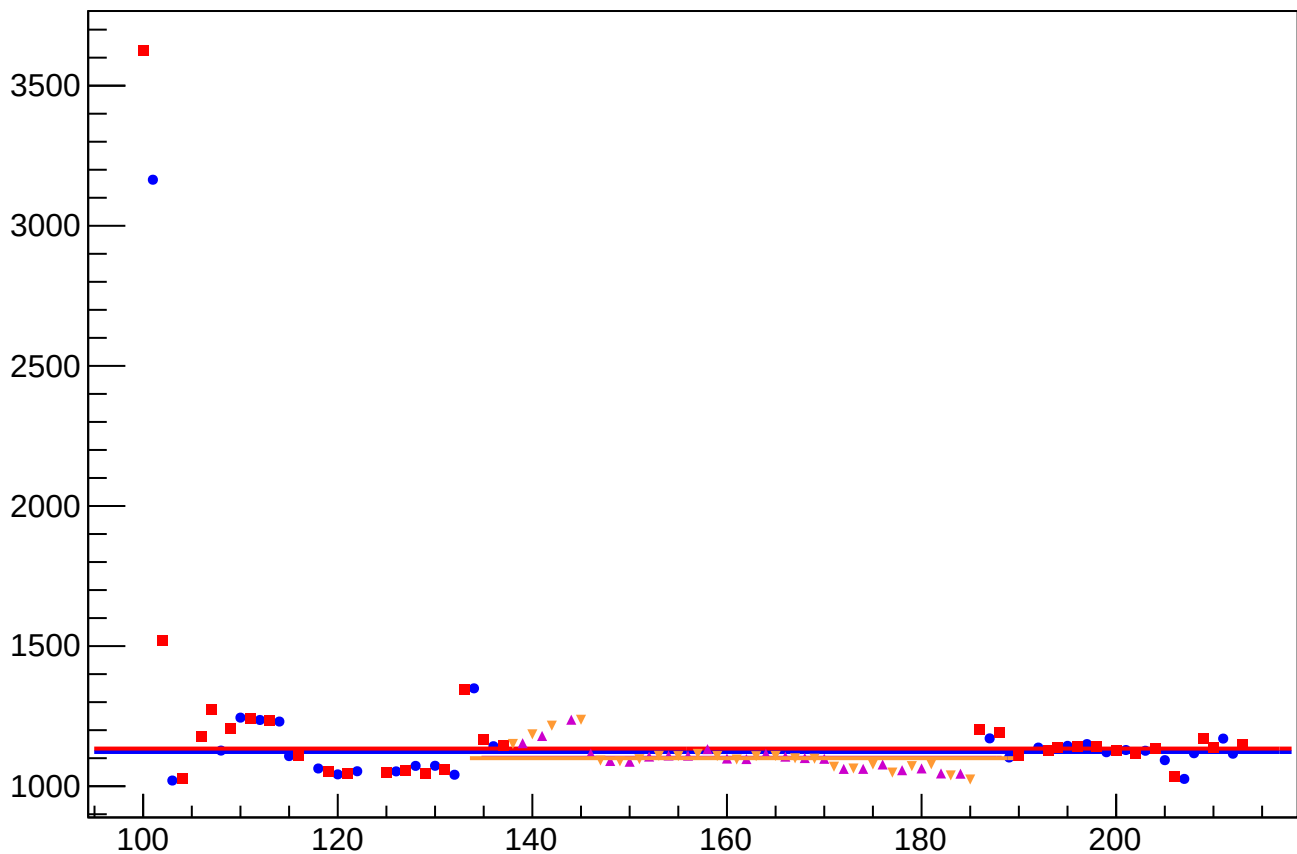
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 198.137 ± 186.040 χ^2/NDF : 68.9/52

All: 118.381 ± 131.108 χ^2/NDF : 127.7/107

- sign -39.687 ± 184.796 χ^2/NDF : 58.4/54

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.168 $\pm$ 0.192 χ^2 /NDF: 644230.4/28

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1134.310 $\pm$ 0.188 χ^2 /NDF: 249951.8/31

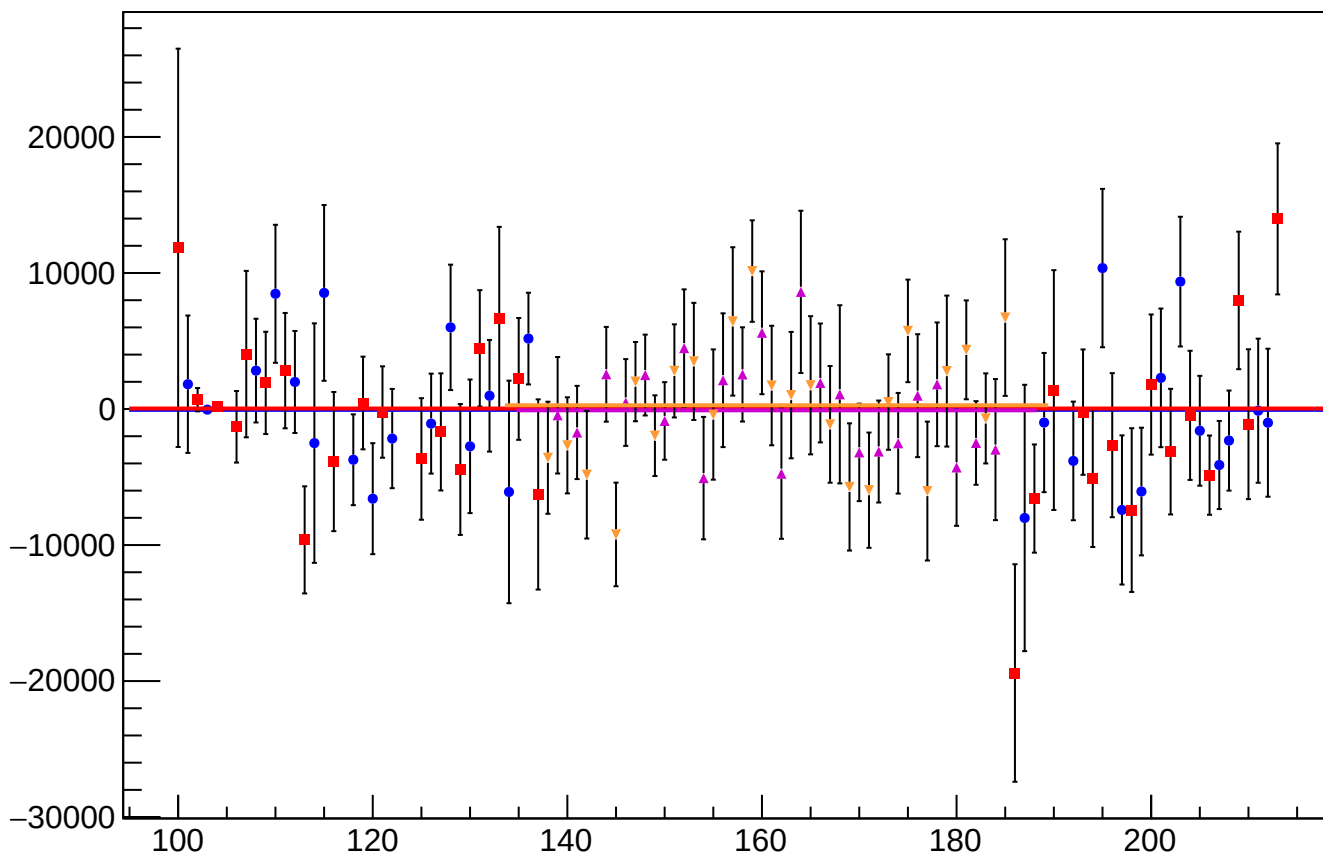
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1110.451 $\pm$ 0.132 χ^2 /NDF: 709997.5/52

All: 1113.957 $\pm$ 0.093 χ^2 /NDF: 1029227.7/10

- sign 1117.416 $\pm$ 0.131 χ^2 /NDF: 317819.2/54

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: -61.732 ± 333.025 χ^2/NDF : 29.2/28

Left Out: 277.536 ± 820.502 χ^2/NDF : 29.9/23

Right Out: 37.724 ± 308.303 χ^2/NDF : 37.9/31

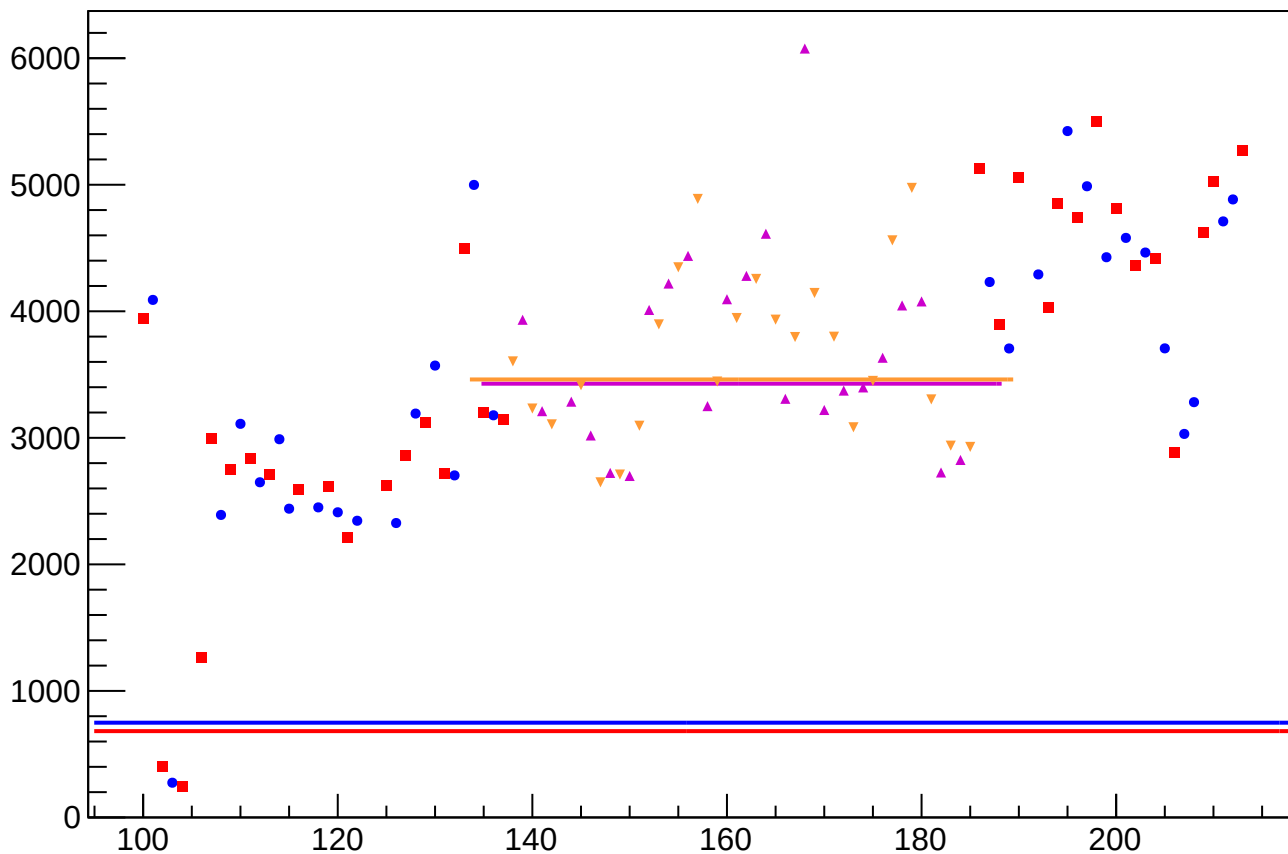
Left In: -94.742 ± 817.222 χ^2/NDF : 13.7/22

+ sign -13.747 ± 308.577 χ^2/NDF : 59.3/52

All: 4.913 ± 210.725 χ^2/NDF : 110.9/107

- sign 21.220 ± 288.459 χ^2/NDF : 51.6/54

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 748.897+/-0.235 χ^2/NDF : 24334935.0/28

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF : 26059492.1/31

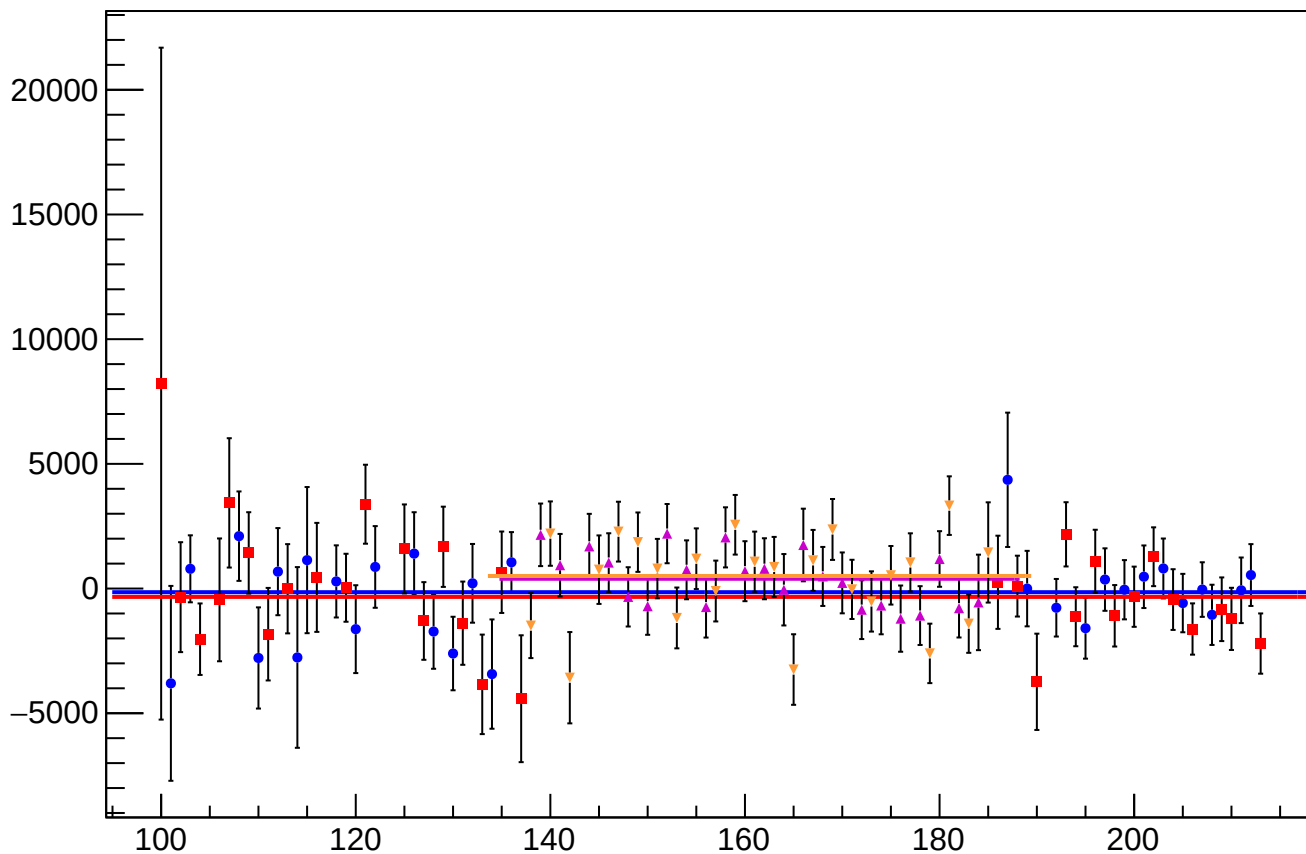
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 1132.530+/-0.218 χ^2/NDF : 44158186.7/52

All: 1074.760+/-0.149 χ^2/NDF : 91355297.9/100

- sign 1024.278+/-0.204 χ^2/NDF : 47065758.3/54

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -146.498 ± 271.386 χ^2/NDF : 21.3/28

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -334.815 ± 265.485 χ^2/NDF : 36.8/31

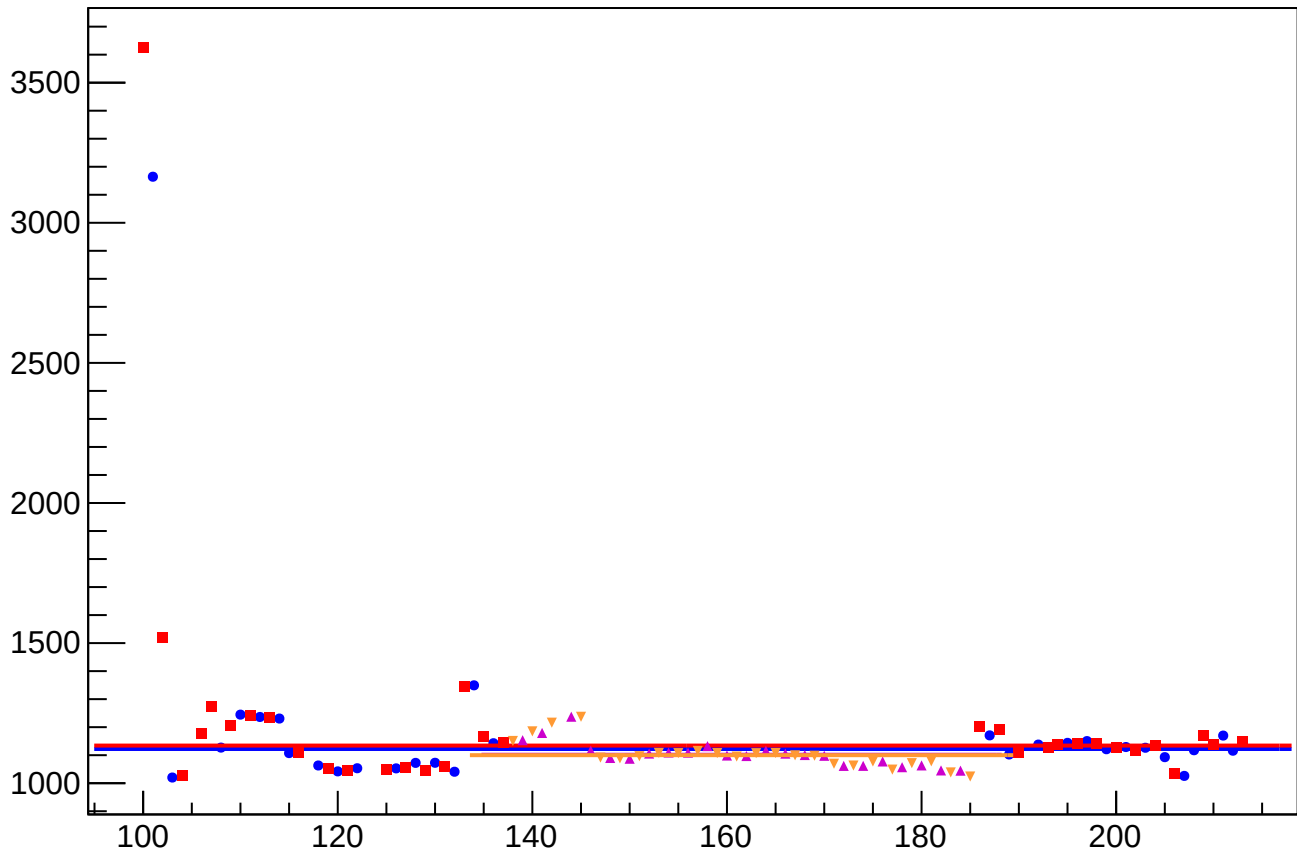
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 198.137 ± 186.040 χ^2/NDF : 68.9/52

All: 118.381 ± 131.108 χ^2/NDF : 127.7/107

- sign 39.687 ± 184.796 χ^2/NDF : 58.4/54

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1122.168 $\pm$ 0.192 χ^2 /NDF: 644230.4/28

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1134.310 $\pm$ 0.188 χ^2 /NDF: 249951.8/31

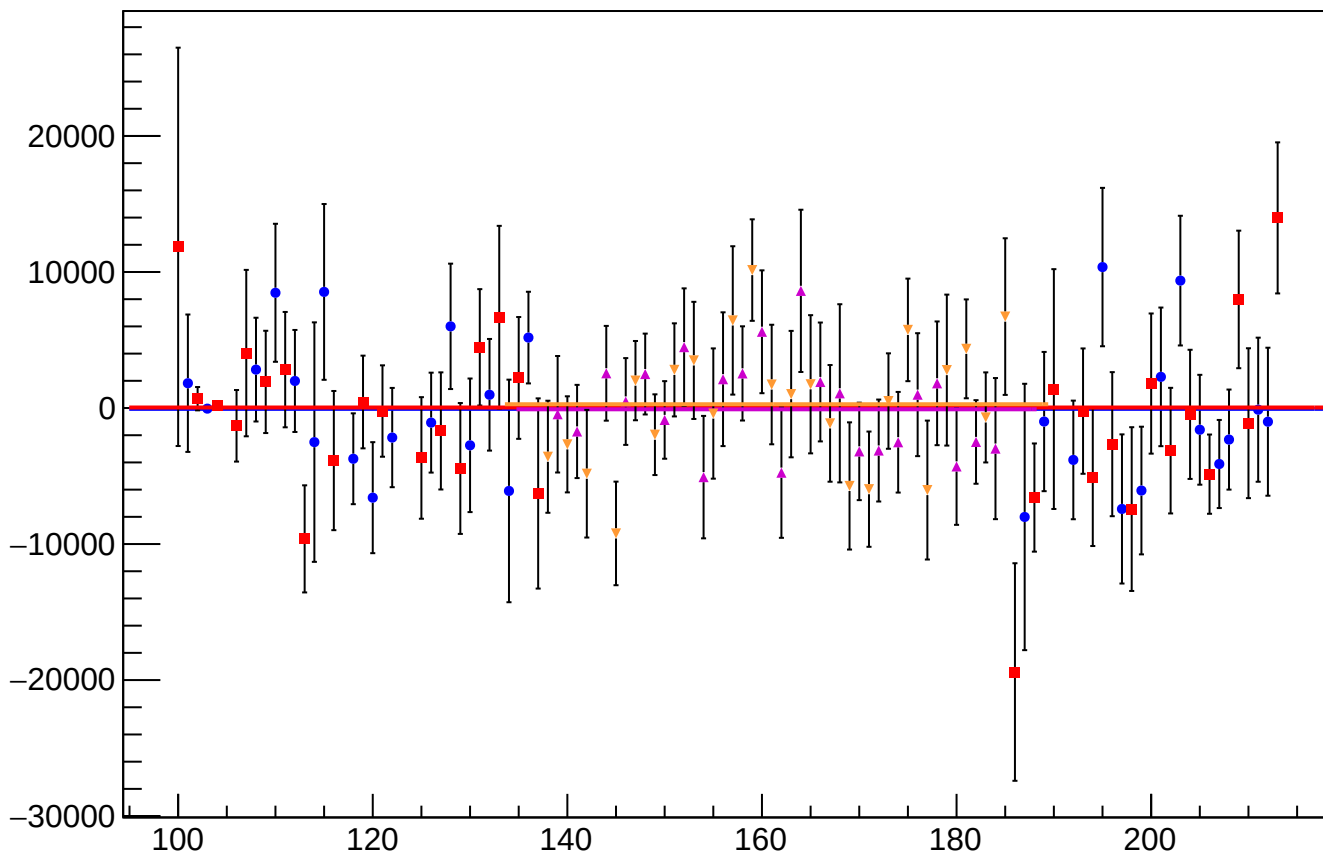
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1110.451 $\pm$ 0.132 χ^2 /NDF: 709997.5/52

All: 1113.957 $\pm$ 0.093 χ^2 /NDF: 1029227.7/10

- sign 1117.416 $\pm$ 0.131 χ^2 /NDF: 317819.2/54

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -61.732 ± 333.025 χ^2/NDF : 29.2/28

Left Out: 277.536 ± 820.502 χ^2/NDF : 29.9/23

Right Out: 37.724 ± 308.303 χ^2/NDF : 37.9/31

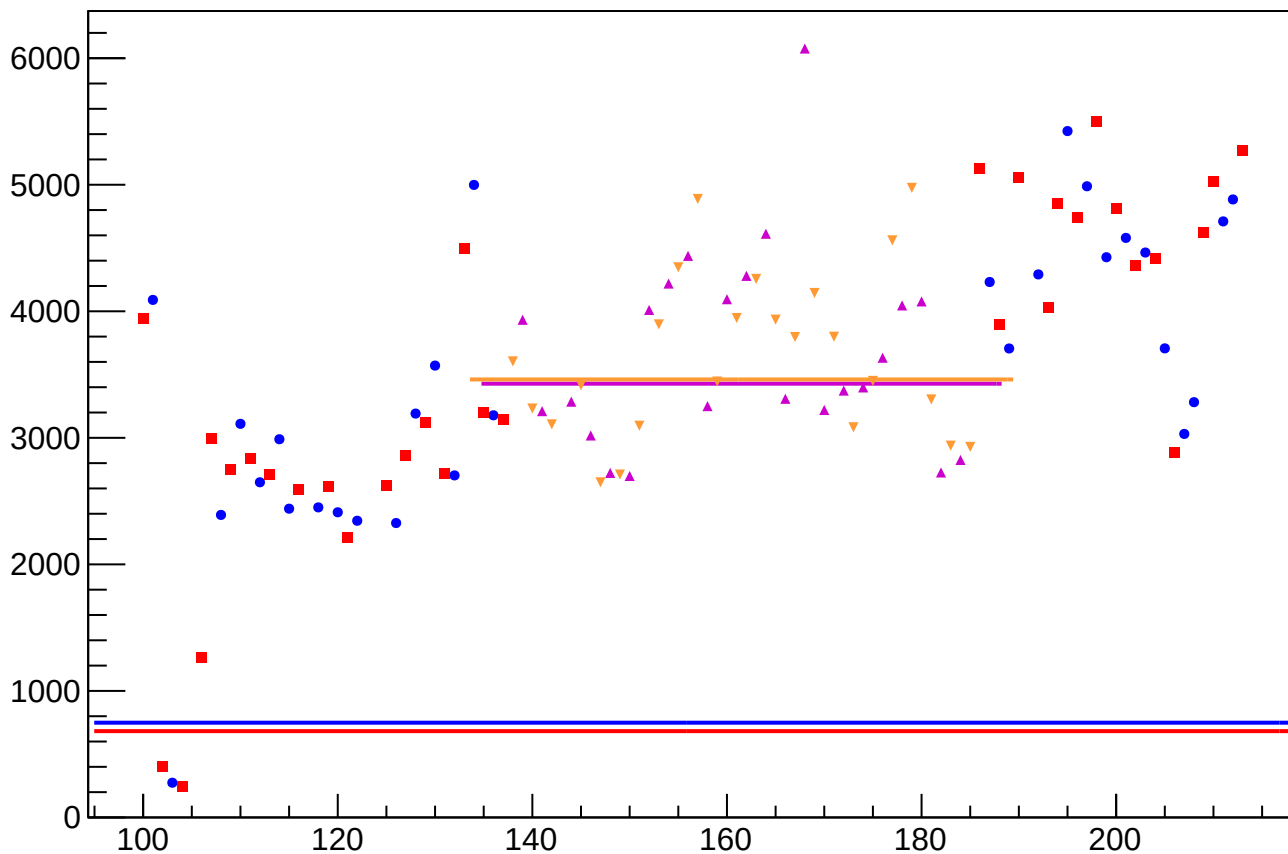
Left In: -94.742 ± 817.222 χ^2/NDF : 13.7/22

+ sign -13.747 ± 308.577 χ^2/NDF : 59.3/52

All: 4.913 ± 210.725 χ^2/NDF : 110.9/107

- sign 21.220 ± 288.459 χ^2/NDF : 51.6/54

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 748.897+/-0.235 χ^2/NDF : 24334935.0/28

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF : 26059492.1/31

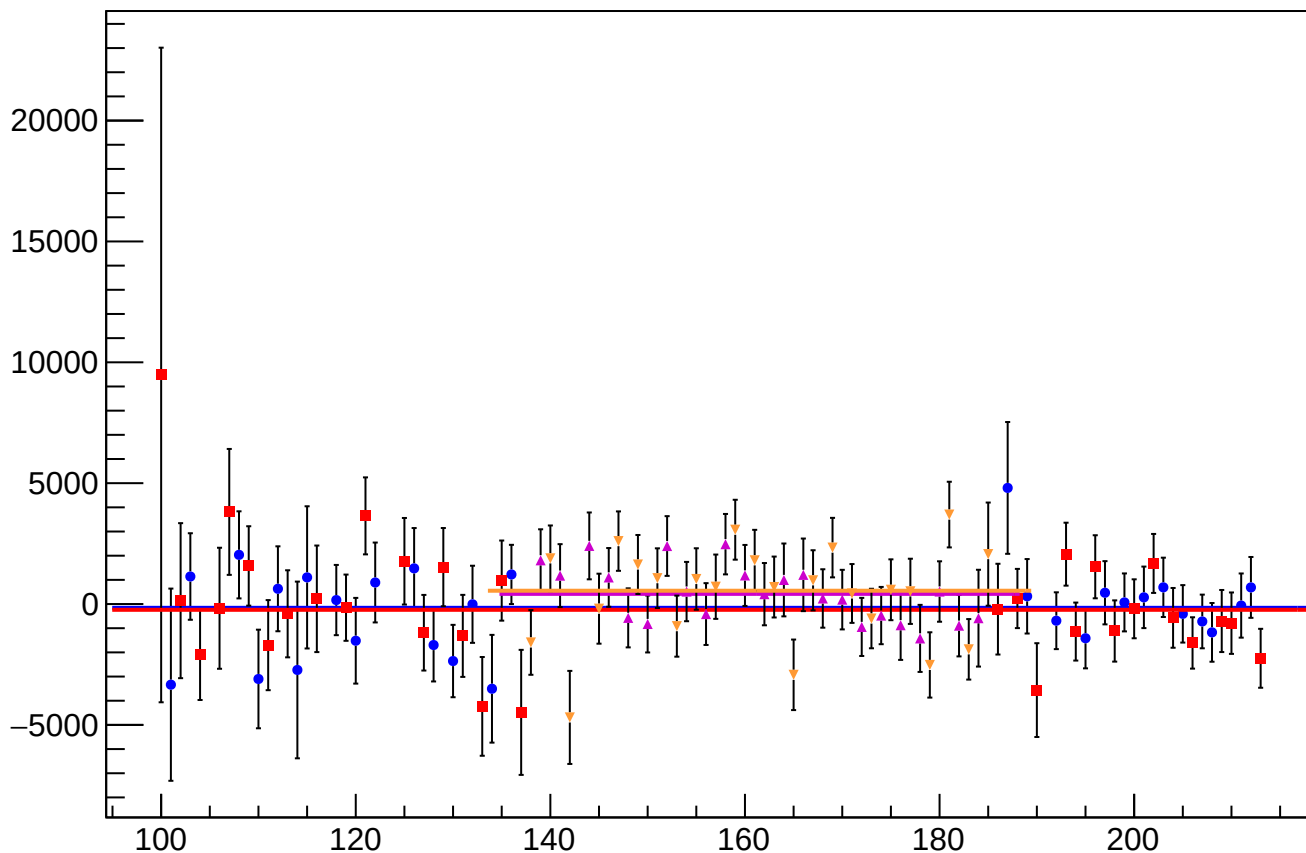
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 1132.530+/-0.218 χ^2/NDF : 44158186.7/52

All: 1074.760+/-0.149 χ^2/NDF : 91355297.9/100

- sign 1024.278+/-0.204 χ^2/NDF : 47065758.3/54

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -156.737 ± 277.508 χ^2/NDF : 21.3/28

Left Out: 550.661 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -238.685 ± 272.208 χ^2/NDF : 38.4/31

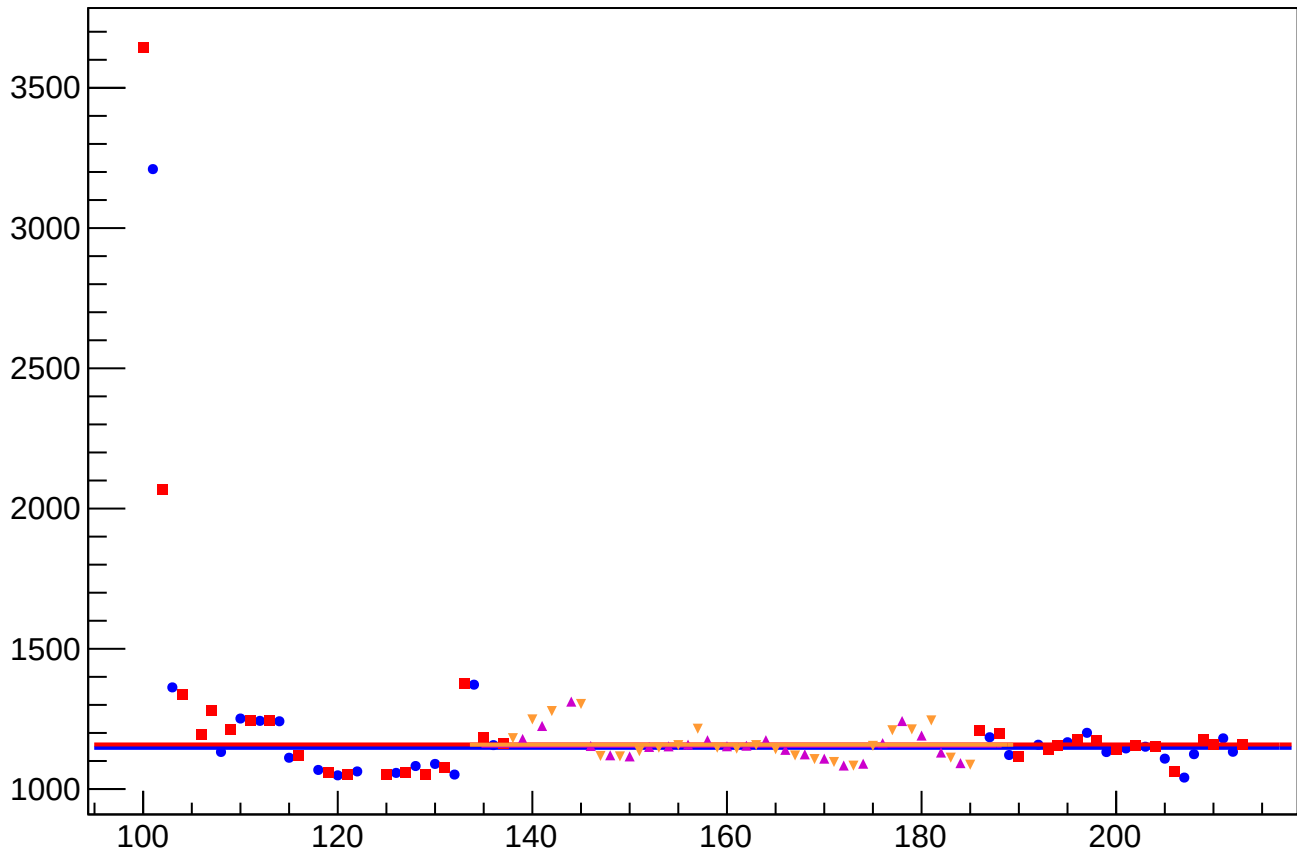
Left In: 421.023 ± 269.815 χ^2/NDF : 18.0/22

+ sign 207.701 ± 193.226 χ^2/NDF : 69.9/52

All: 150.420 ± 136.063 χ^2/NDF : 129.4/107

- sign 94.081 ± 191.628 χ^2/NDF : 59.4/54

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.950+/-0.196 χ^2/NDF : 665858.7/28

Left Out: 1158.177+/-0.190 χ^2/NDF : 84111.8/23

Right Out: 1158.943+/-0.192 χ^2/NDF : 356030.6/31

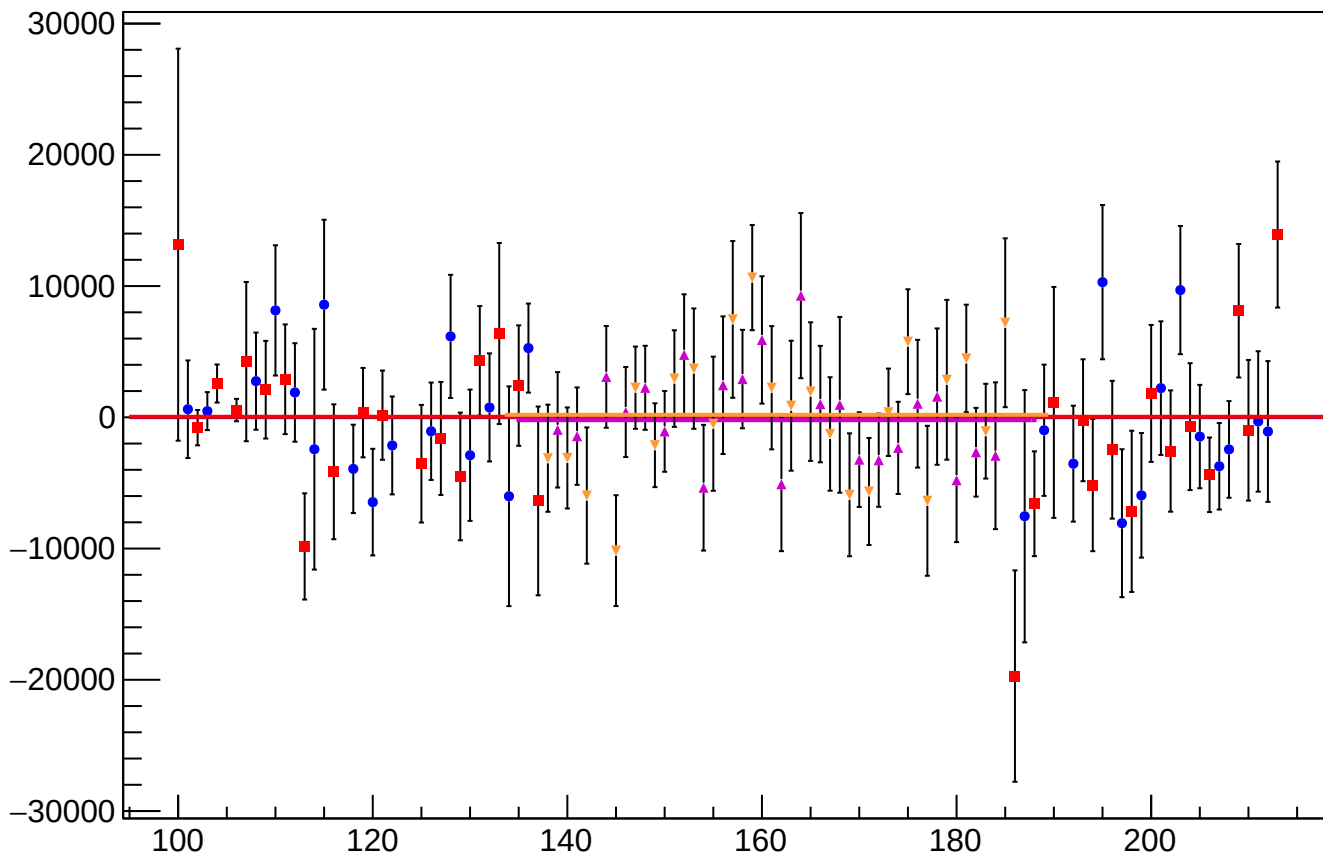
Left In: 1154.231+/-0.191 χ^2/NDF : 66476.9/22

+ sign 1152.734+/-0.137 χ^2/NDF : 751656.8/52

All: 1154.666+/-0.096 χ^2/NDF : 1174863.5/10

- sign 1156.566+/-0.135 χ^2/NDF : 422809.9/54

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 14.014 $\pm$ 726.202 χ^2 /NDF: 28.8/28

Left Out: 189.735 $\pm$ 869.432 χ^2 /NDF: 29.3/23

Right Out: 42.207 $\pm$ 518.571 χ^2 /NDF: 40.2/31

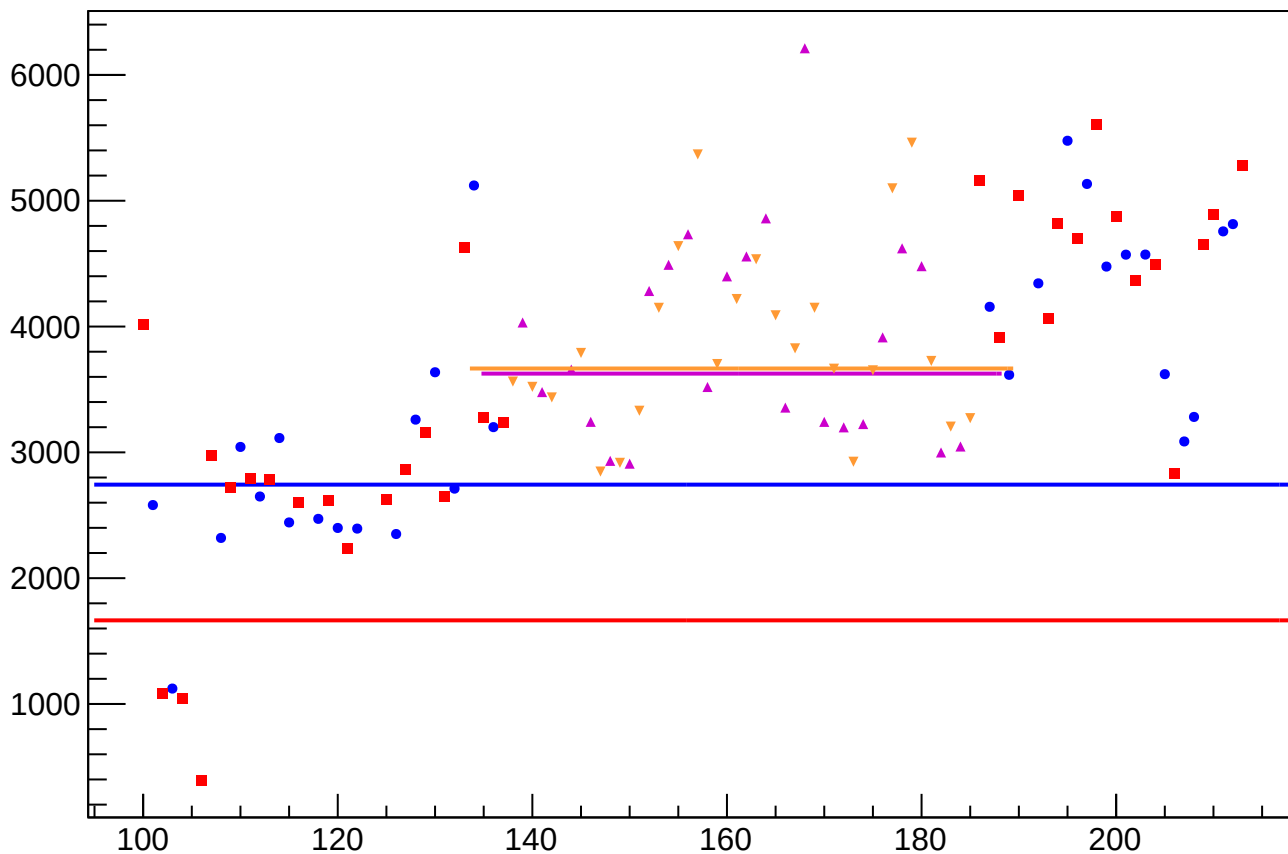
Left In: -221.361 $\pm$ 864.775 χ^2 /NDF: 13.4/22

+ sign 86.227 $\pm$ 557.355 χ^2 /NDF: 58.1/52

All: 16.740 $\pm$ 347.630 χ^2 /NDF: 111.8/107

- sign -27.503 $\pm$ 444.737 χ^2 /NDF: 53.7/54

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2743.449 $\pm$ 0.514 χ^2 /NDF: 5616683.5/28

Left Out: 3666.536 $\pm$ 0.615 χ^2 /NDF: 1095831.4/23

Right Out: 1664.606 $\pm$ 0.367 χ^2 /NDF: 16174685.5/31

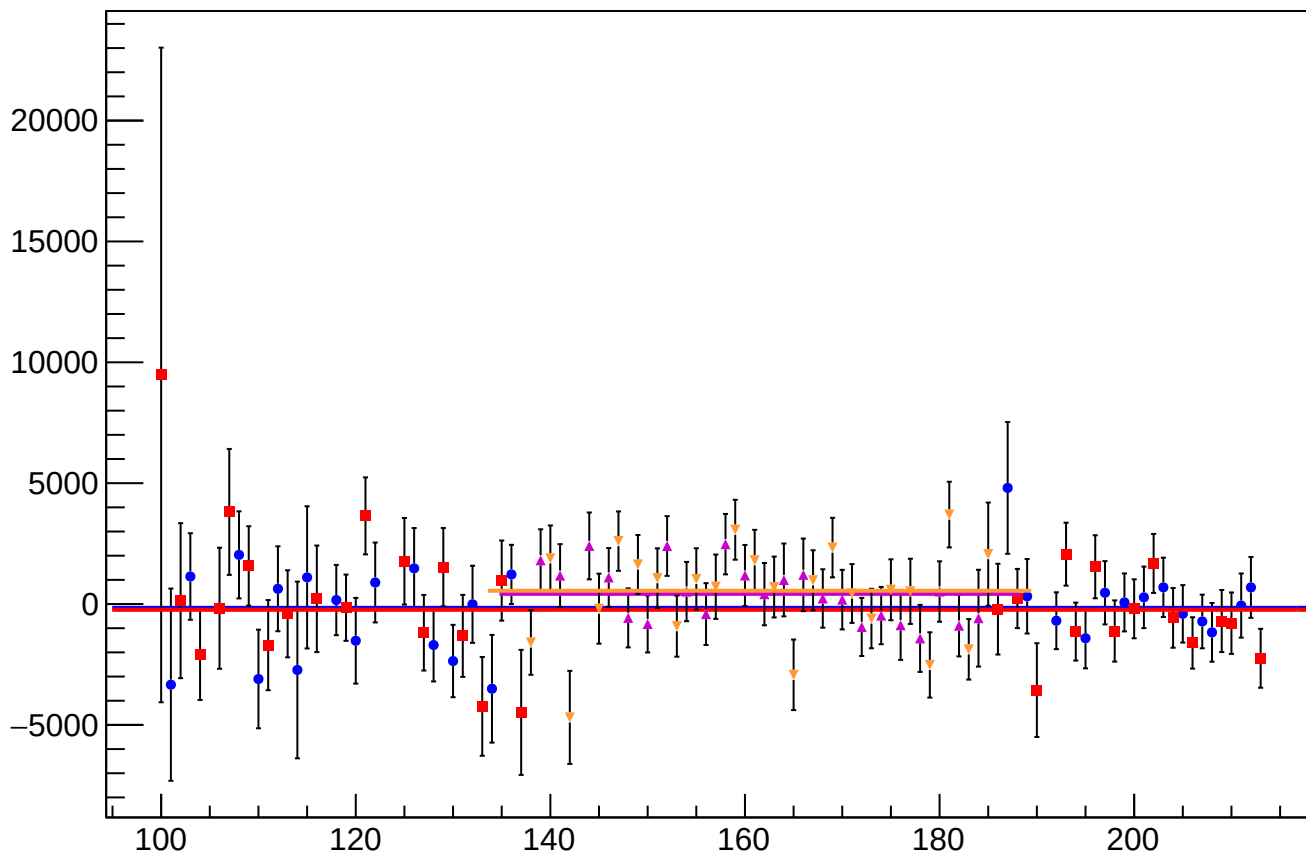
Left In: 3625.940 $\pm$ 0.611 χ^2 /NDF: 1257928.4/22

+ sign 3122.795 $\pm$ 0.394 χ^2 /NDF: 8040500.3/52

All: 2548.811 $\pm$ 0.246 χ^2 /NDF: 36511678.3/100

- sign 2183.349 $\pm$ 0.314 χ^2 /NDF: 24999521.6/54

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -156.734 ± 277.508 χ^2/NDF : 21.3/28

Left Out: 550.663 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -238.685 ± 272.208 χ^2/NDF : 38.4/31

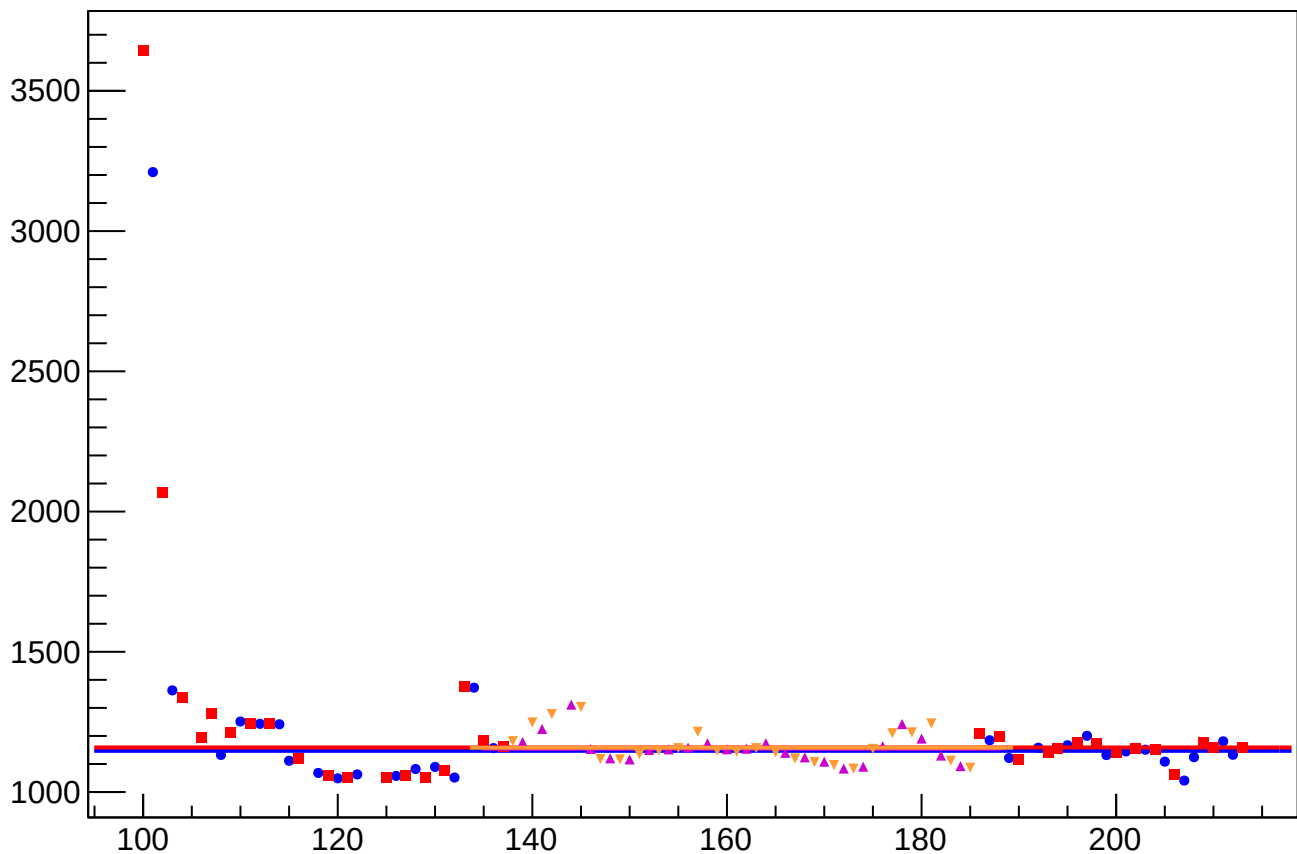
Left In: 421.022 ± 269.815 χ^2/NDF : 18.0/22

+ sign 207.703 ± 193.226 χ^2/NDF : 69.9/52

All: 150.420 ± 136.063 χ^2/NDF : 129.4/107

- sign 94.080 ± 191.628 χ^2/NDF : 59.4/54

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.950+/-0.196 χ^2/NDF : 665859.1/28

Left Out: 1158.178+/-0.190 χ^2/NDF : 84114.3/23

Right Out: 1158.943+/-0.192 χ^2/NDF : 356030.4/31

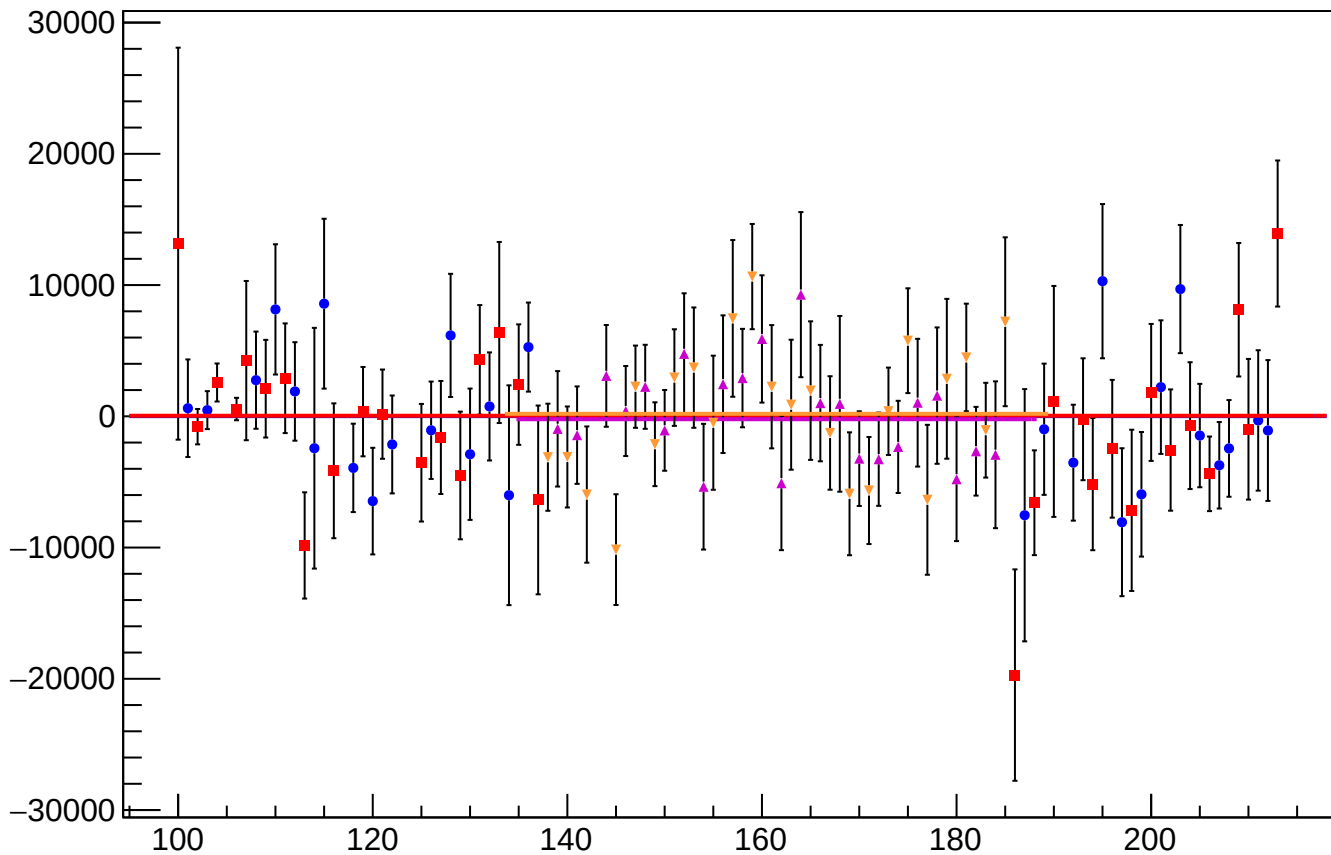
Left In: 1154.232+/-0.191 χ^2/NDF : 66479.5/22

+ sign 1152.734+/-0.137 χ^2/NDF : 751660.1/52

All: 1154.667+/-0.096 χ^2/NDF : 1174868.9/10

- sign 1156.567+/-0.135 χ^2/NDF : 422812.1/54

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 14.011+/-726.202 χ^2/NDF : 28.8/28

Left Out: 189.735+/-869.434 χ^2/NDF : 29.3/23

Right Out: 42.215+/-518.565 χ^2/NDF : 40.2/31

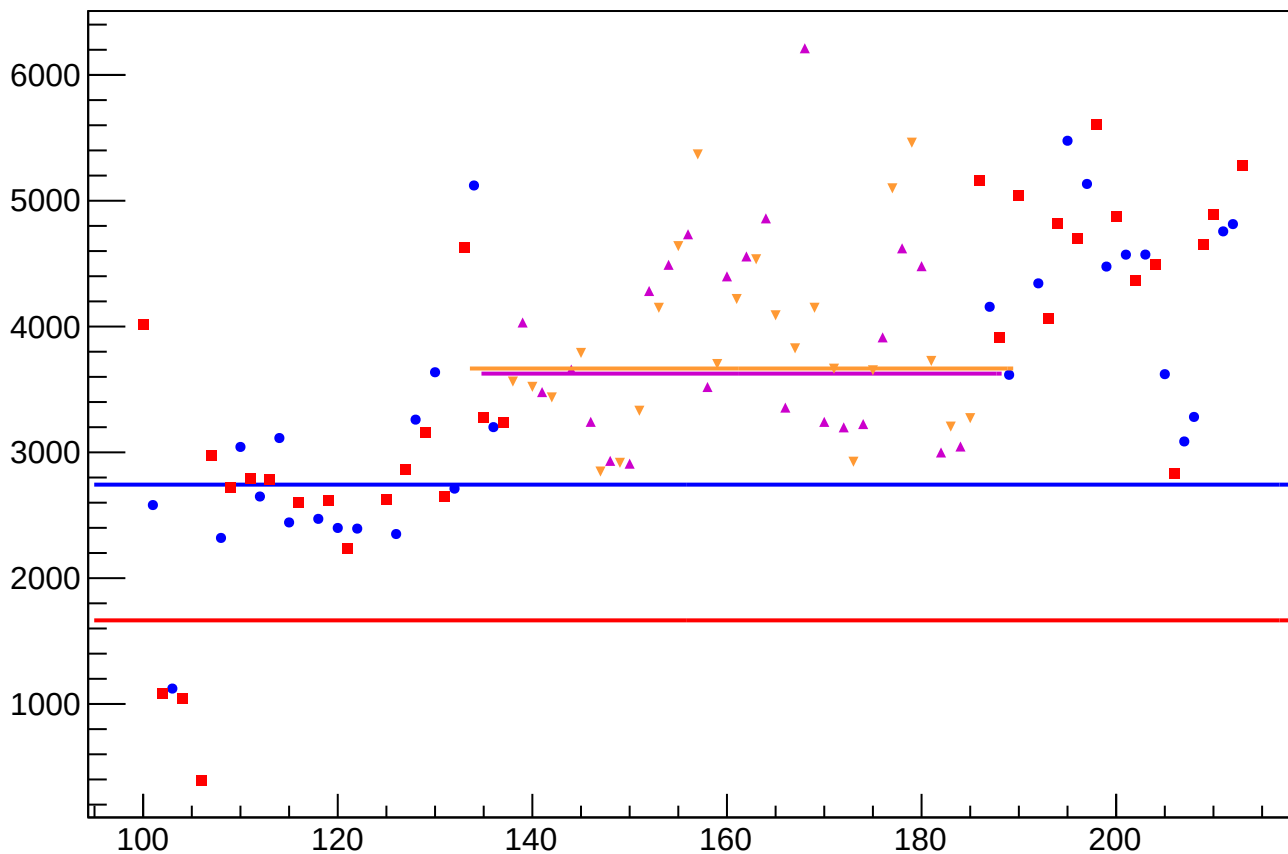
Left In: -221.363+/-864.776 χ^2/NDF : 13.4/22

+ sign 86.225+/-557.356 χ^2/NDF : 58.1/52

All: 16.743+/-347.629 χ^2/NDF : 111.8/107

- sign -27.496+/-444.734 χ^2/NDF : 53.7/54

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2743.446 $\pm$ 0.514 χ^2 /NDF: 5616709.8/28

Left Out: 3666.541 $\pm$ 0.615 χ^2 /NDF:1095834.2/23

Right Out: 1664.576 $\pm$ 0.367 χ^2 /NDF: 16175006.7/31

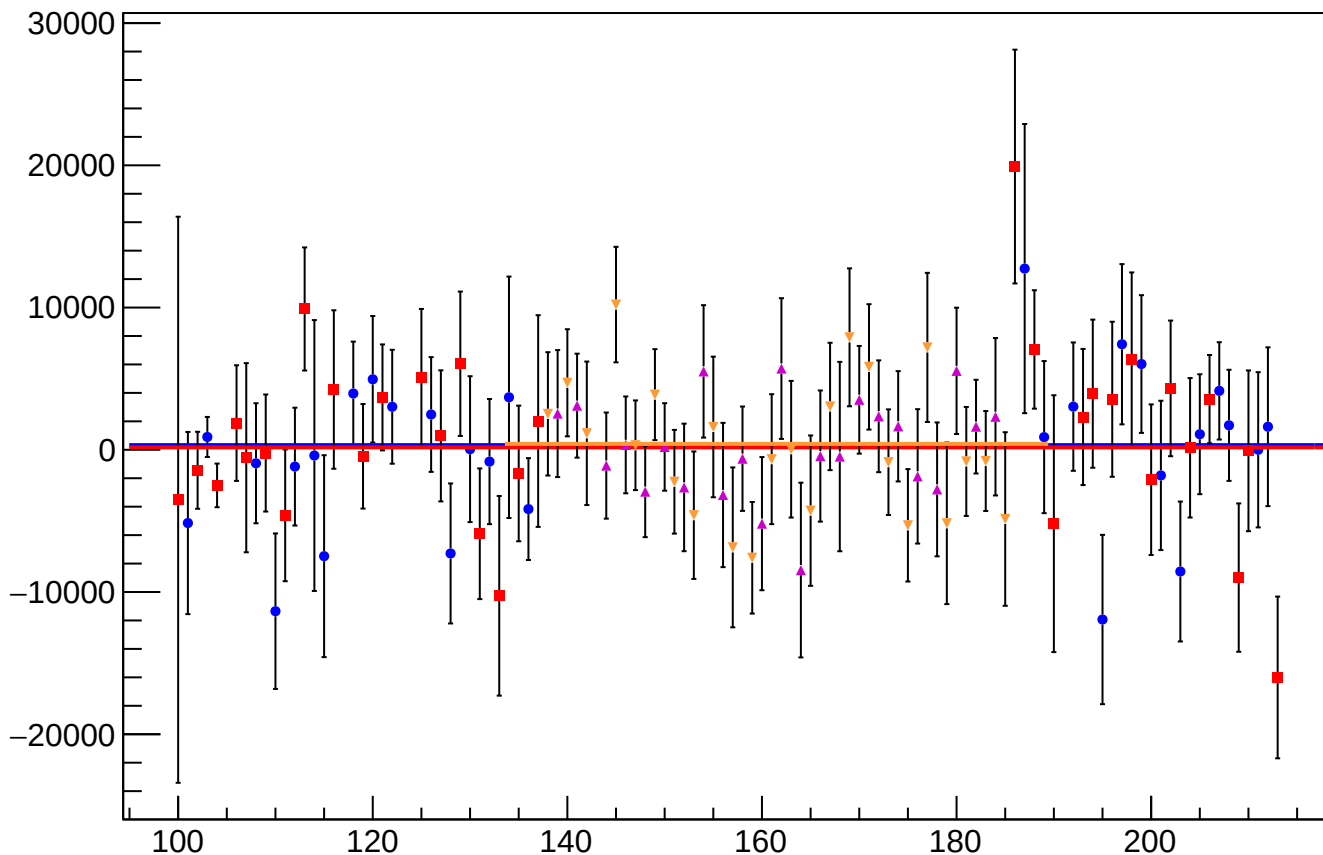
Left In: 3625.945 $\pm$ 0.611 χ^2 /NDF:1257933.0/22

+ sign 3122.794 $\pm$ 0.394 χ^2 /NDF: 8040550.7/52

All: 2548.790 $\pm$ 0.246 χ^2 /NDF: 36512574.4/100

- sign 2183.320 $\pm$ 0.314 χ^2 /NDF: 25000137.1/54

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 327.853+/-761.089 χ^2/NDF : 27.9/28

Left Out: 413.494+/-865.331 χ^2/NDF : 27.2/23

Right Out: 170.834+/-746.785 χ^2/NDF : 42.1/31

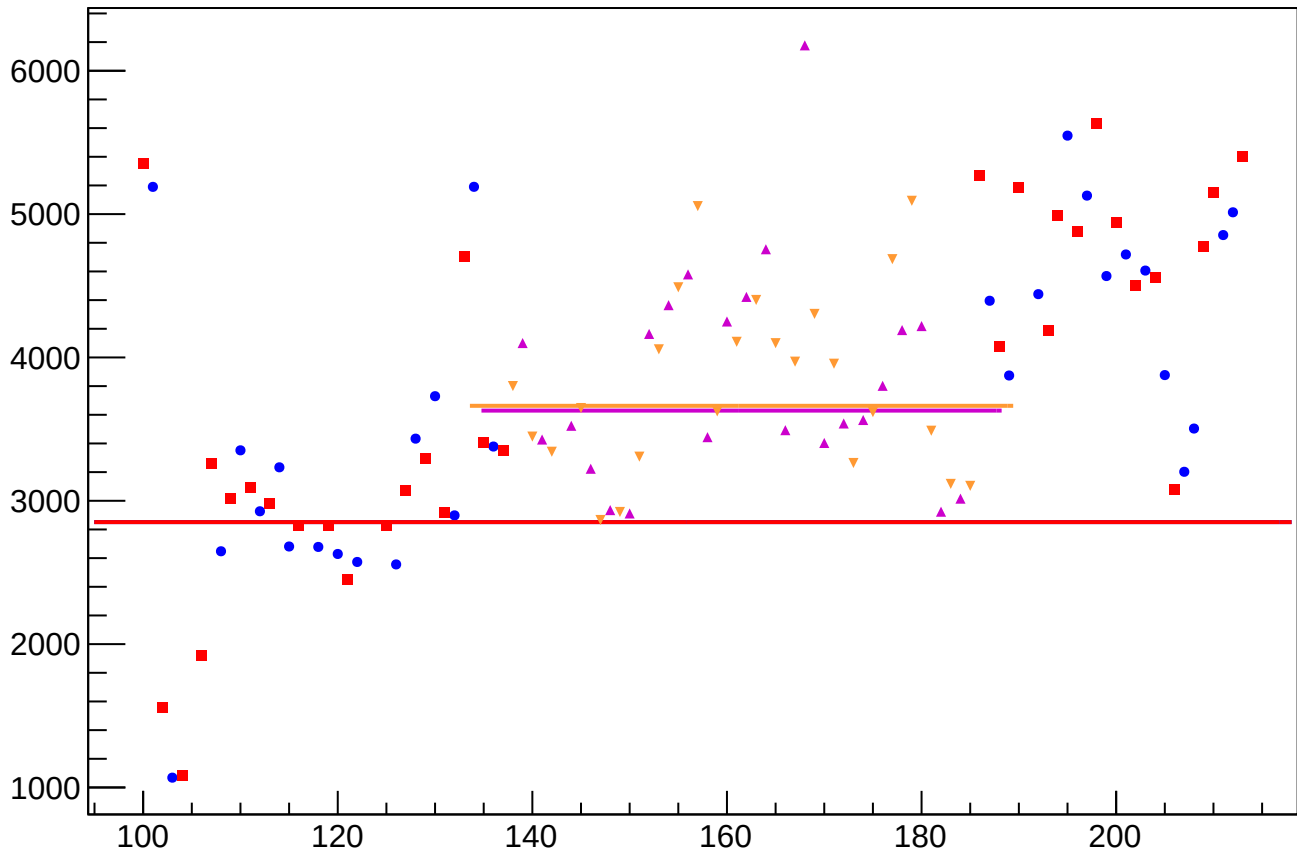
Left In: 403.543+/-862.437 χ^2/NDF : 12.3/22

+ sign 365.207+/-571.492 χ^2/NDF : 55.0/52

All: 317.300+/-401.629 χ^2/NDF : 109.5/107

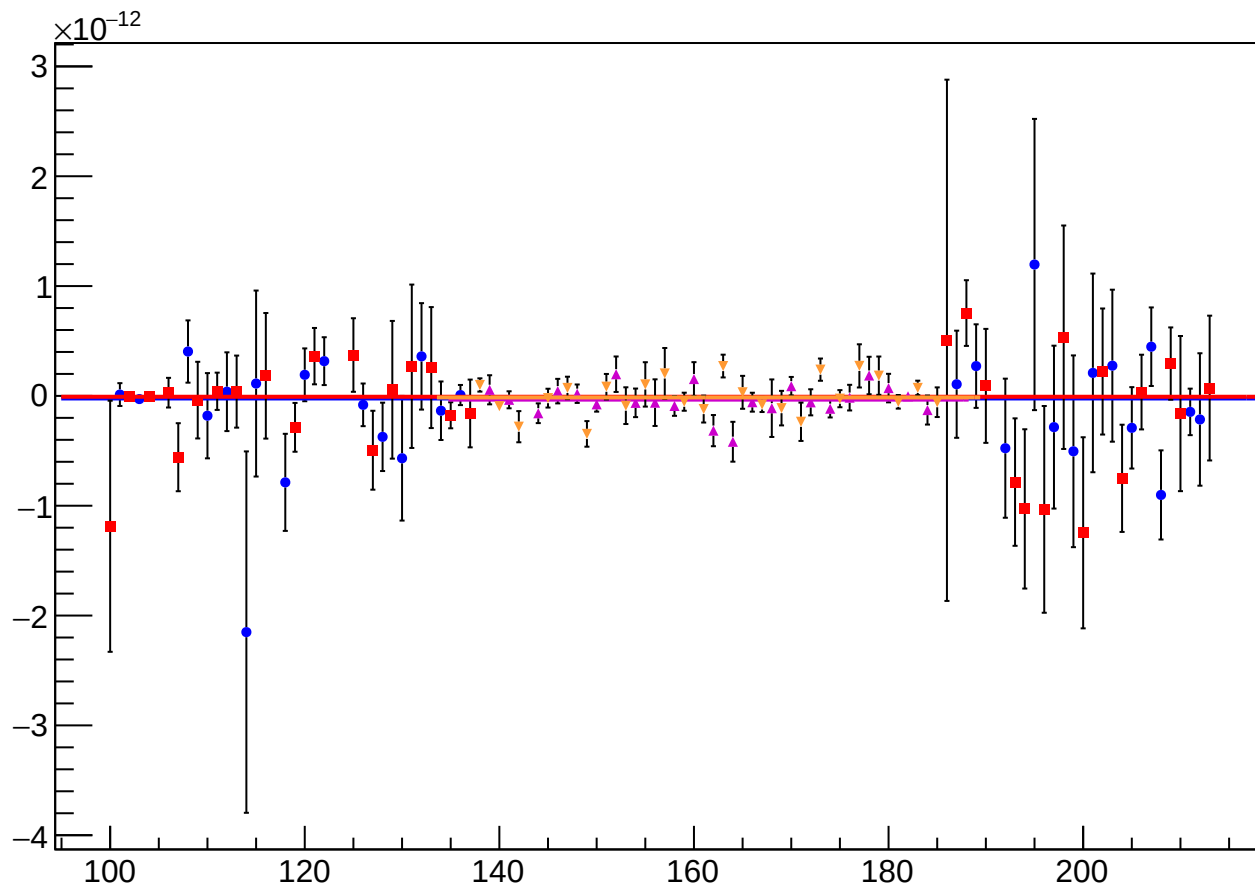
- sign 270.550+/-564.551 χ^2/NDF : 54.4/54

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2851.368+/-0.538	χ^2/NDF : 6437735.9/28	+ sign 3205.228+/-0.404	χ^2/NDF : 8322427.5/52
Left Out: 3662.662+/-0.612	χ^2/NDF : 893468.3/23		
Right Out: 2851.290+/-0.527	χ^2/NDF : 6970934.7/31	All: 3194.466+/-0.284	χ^2/NDF : 17280926.6/1
Left In: 3629.184+/-0.610	χ^2/NDF : 1054949.6/22	- sign 3183.984+/-0.399	χ^2/NDF : 8957099.1/54

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 23.8/28

Left Out: -0.000+/-0.000 χ^2 /NDF:45.3/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 31.2/31

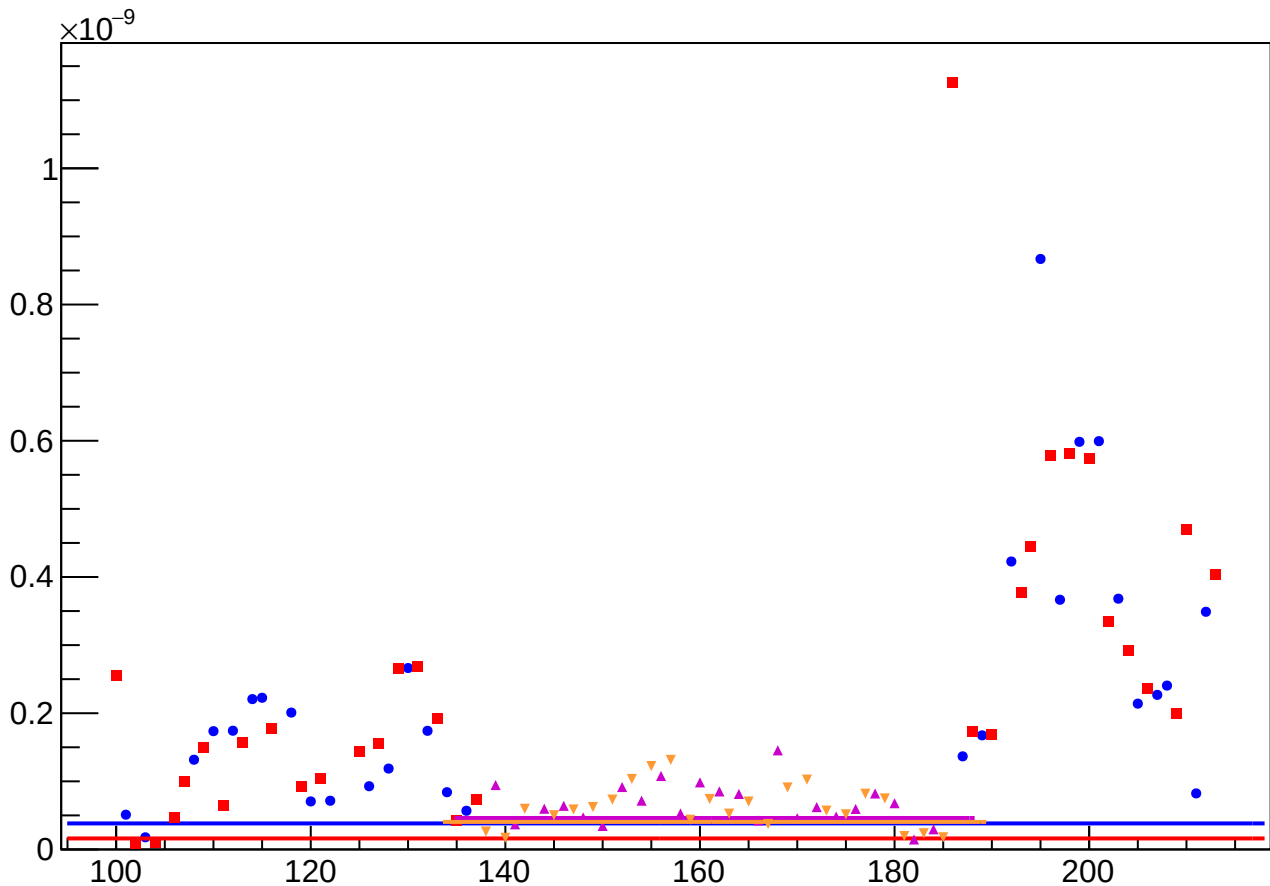
Left In: -0.000+/-0.000 χ^2 /NDF:22.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 69.2/52

All: -0.000+/-0.000 χ^2 /NDF: 124.4/107

- sign -0.000+/-0.000 χ^2 /NDF: 55.2/54

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9558149.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 12757768.2/31

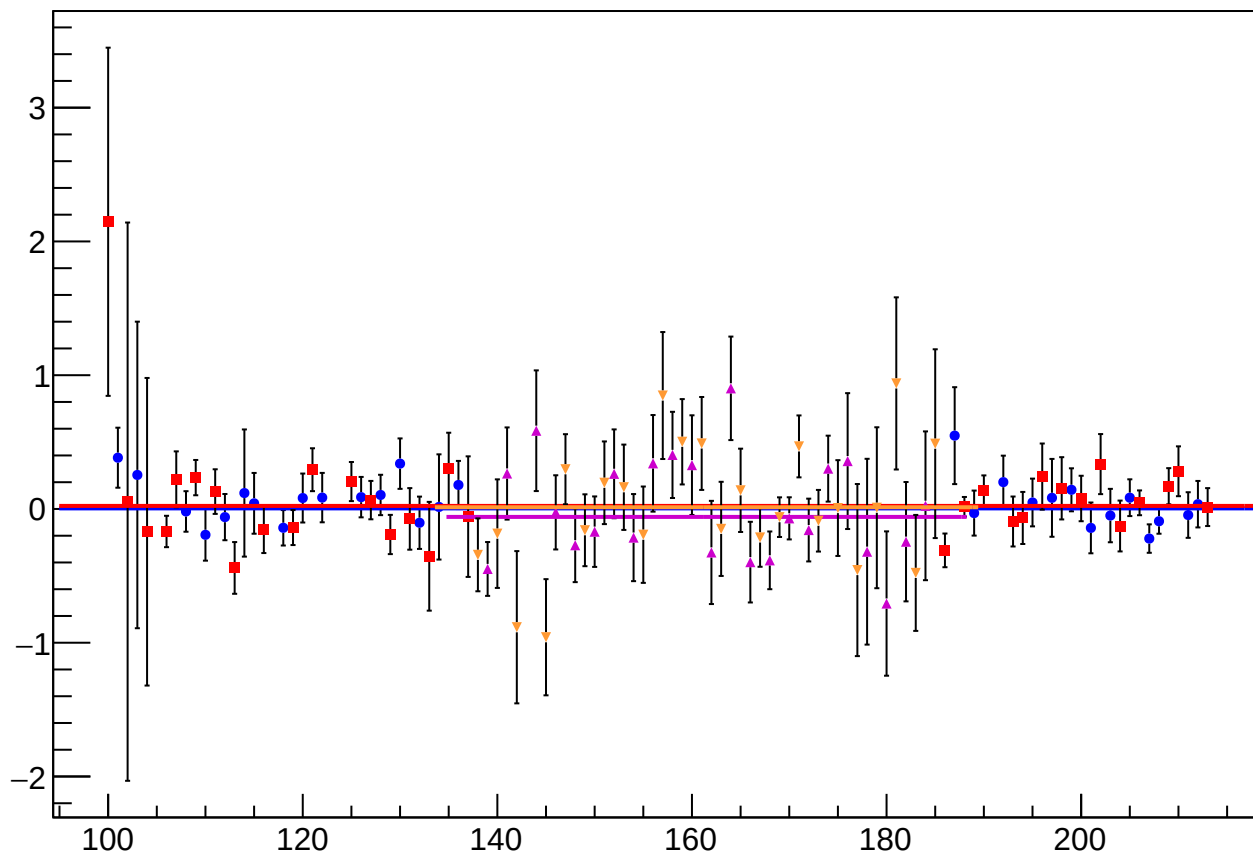
Left In: 0.000+/-0.000 χ^2/NDF : 2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 13000506.5/52

All: 0.000+/-0.000 χ^2/NDF : 32513976.1/107

- sign 0.000+/-0.000 χ^2/NDF : 18591404.7/54

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.032 χ^2/NDF : 21.8/28

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.023 ± 0.028 χ^2/NDF : 41.8/31

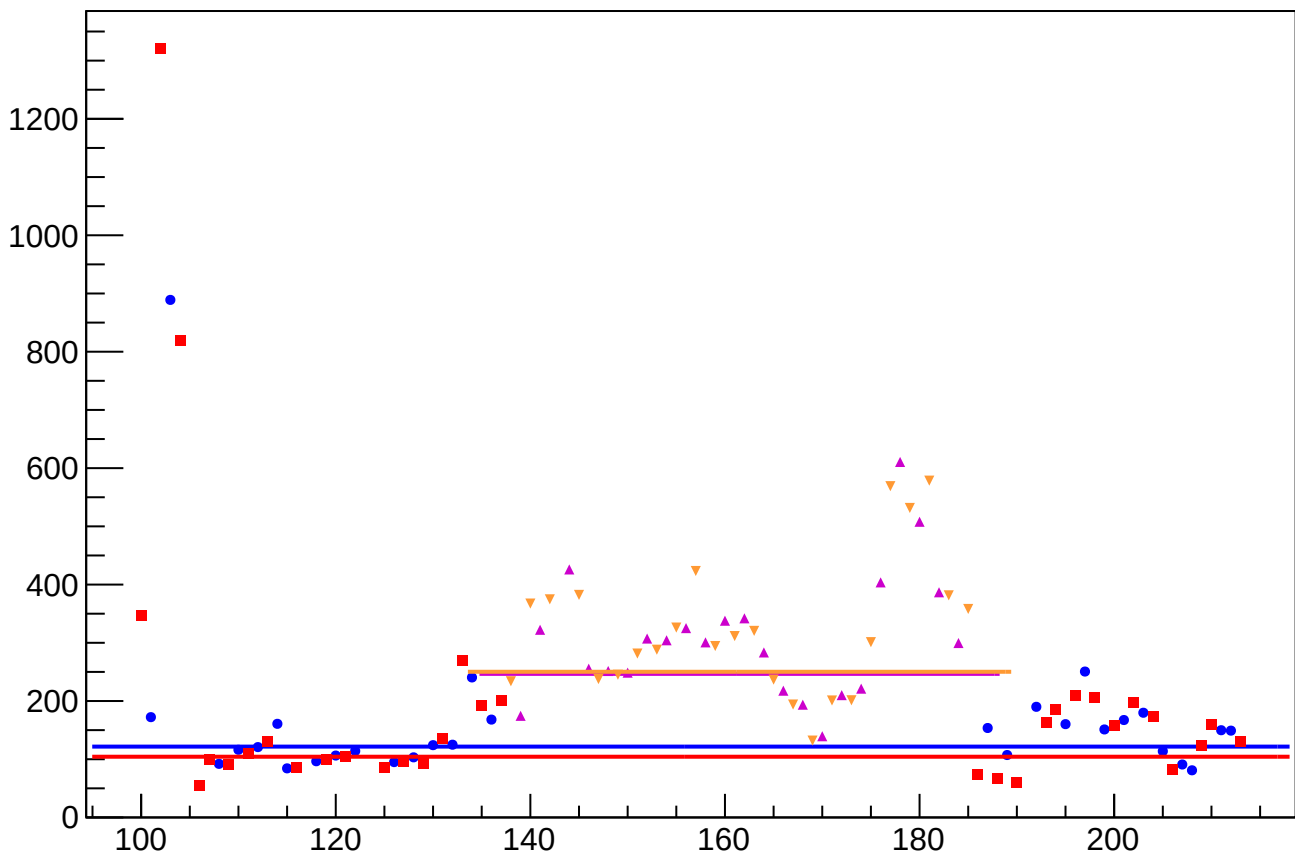
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.006 ± 0.029 χ^2/NDF : 51.1/52

All: 0.008 ± 0.019 χ^2/NDF : 122.3/107

- sign 0.009 ± 0.025 χ^2/NDF : 71.2/54

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 121.703 $\pm$ 0.023 χ^2 /NDF: 3407307.1/28

Left Out: 250.247 $\pm$ 0.045 χ^2 /NDF: 4353162.7/23

Right Out: 104.316 $\pm$ 0.020 χ^2 /NDF: 6123381.5/31

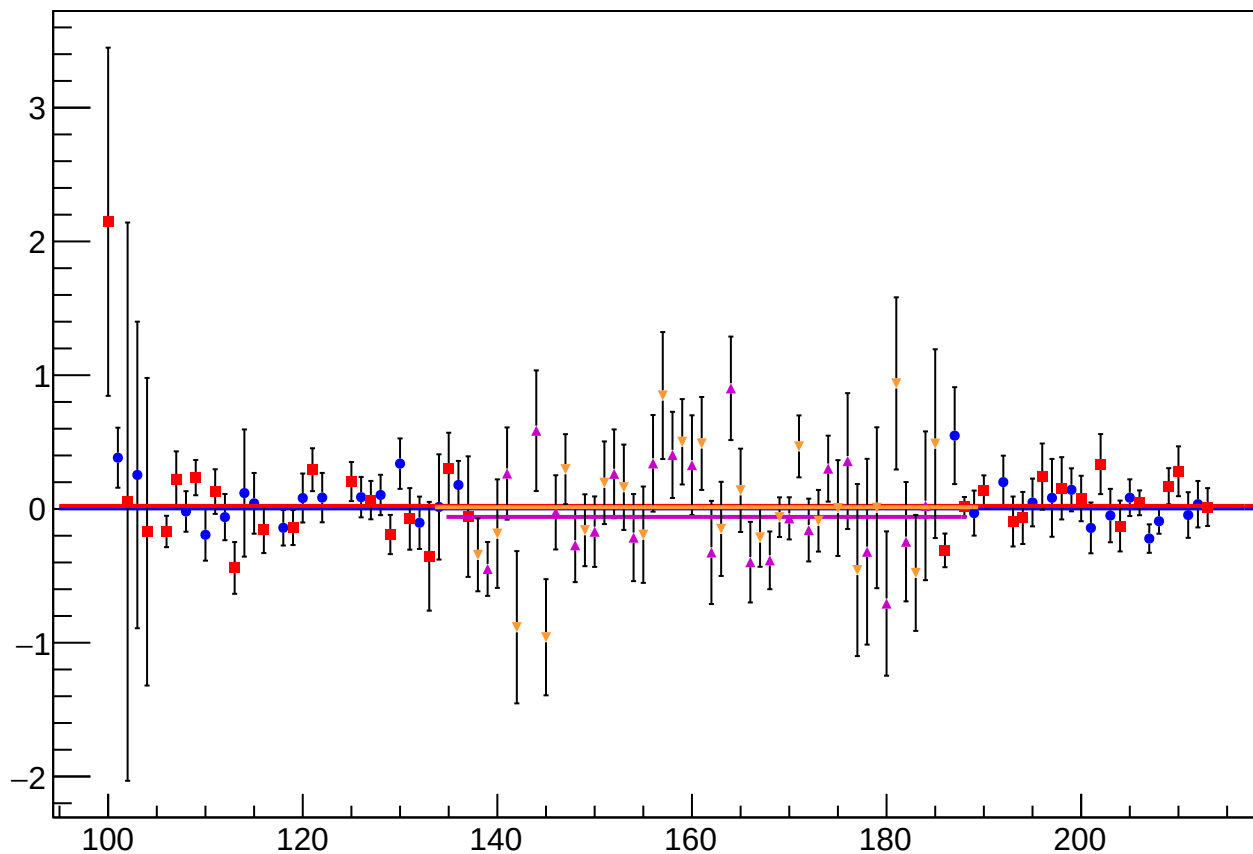
Left In: 246.630 $\pm$ 0.044 χ^2 /NDF: 3773083.4/22

+ sign 148.188 $\pm$ 0.020 χ^2 /NDF: 14369564.2/52

All: 137.115 $\pm$ 0.013 χ^2 /NDF: 33560054.1/10

- sign 128.331 $\pm$ 0.018 χ^2 /NDF: 18652879.5/54

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.032 χ^2/NDF : 21.8/28

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.023 ± 0.028 χ^2/NDF : 41.8/31

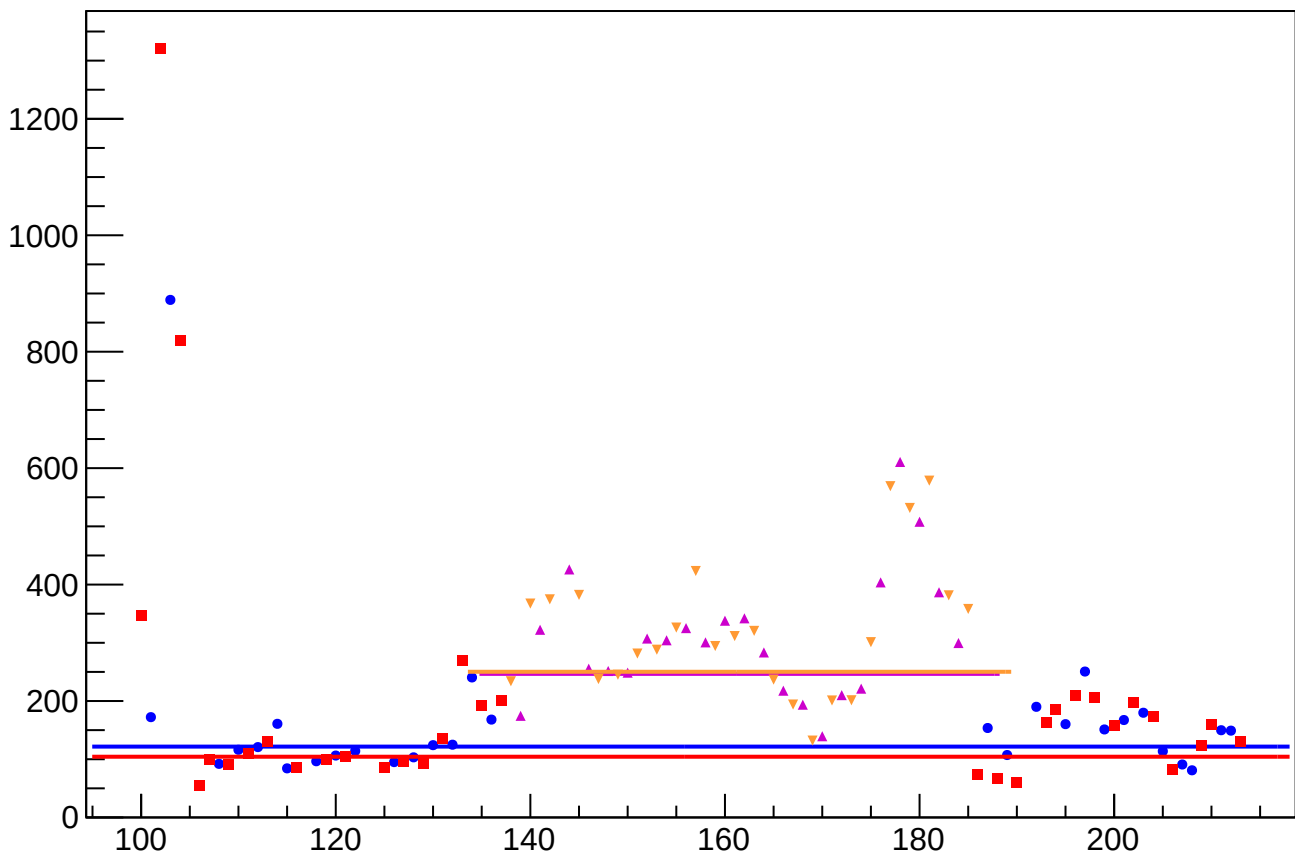
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.006 ± 0.029 χ^2/NDF : 51.1/52

All: 0.008 ± 0.019 χ^2/NDF : 122.3/107

- sign 0.009 ± 0.025 χ^2/NDF : 71.2/54

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 121.703 $\pm$ 0.023 χ^2 /NDF: 3407307.1/28

Left Out: 250.247 $\pm$ 0.045 χ^2 /NDF: 4353162.7/23

Right Out: 104.316 $\pm$ 0.020 χ^2 /NDF: 6123381.5/31

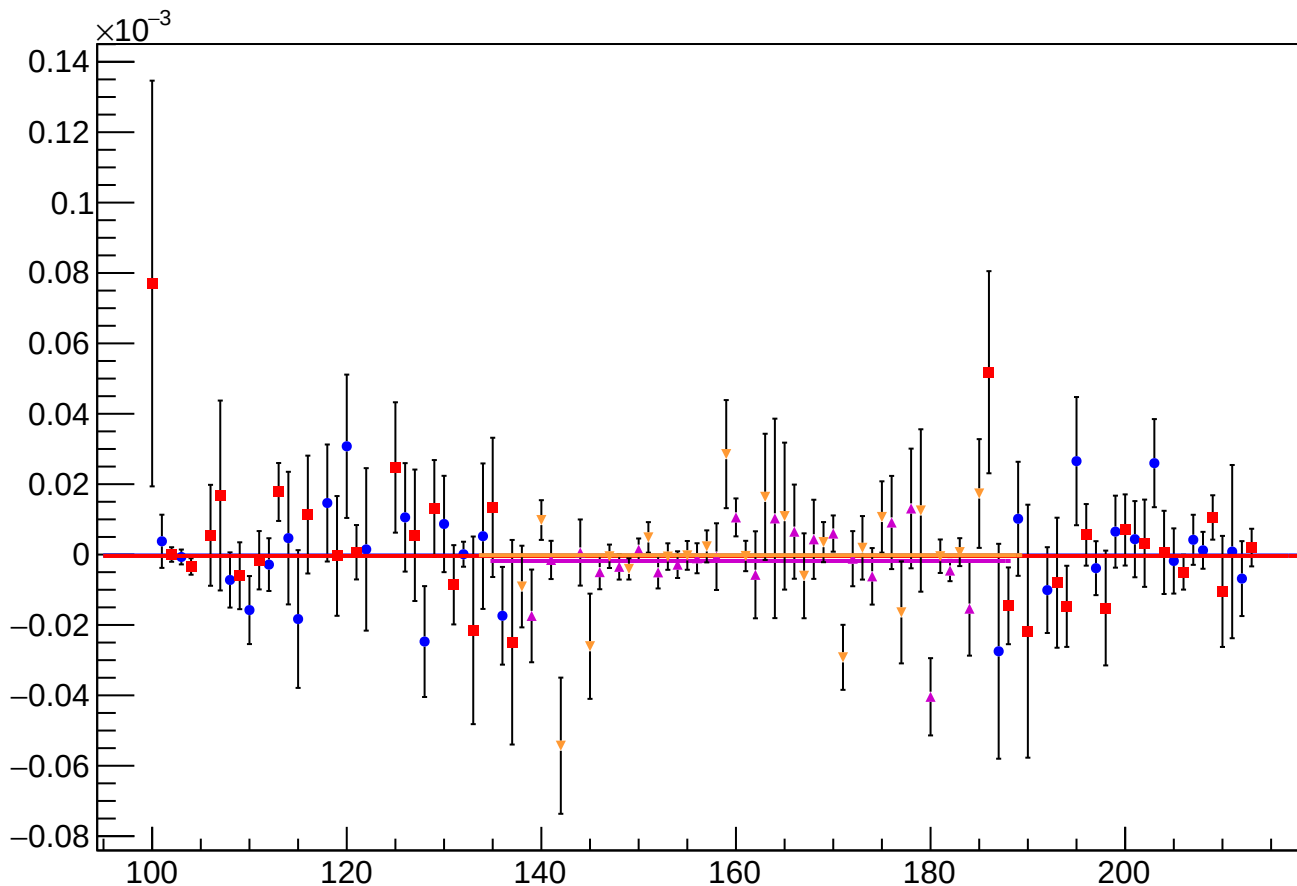
Left In: 246.630 $\pm$ 0.044 χ^2 /NDF: 3773083.4/22

+ sign 148.188 $\pm$ 0.020 χ^2 /NDF: 14369564.2/52

All: 137.115 $\pm$ 0.013 χ^2 /NDF: 33560054.1/10

- sign 128.331 $\pm$ 0.018 χ^2 /NDF: 18652879.5/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 22.9/28

Left Out: -0.000+/-0.000 χ^2/NDF : 37.2/23

Right Out: -0.000+/-0.000 χ^2/NDF : 28.5/31

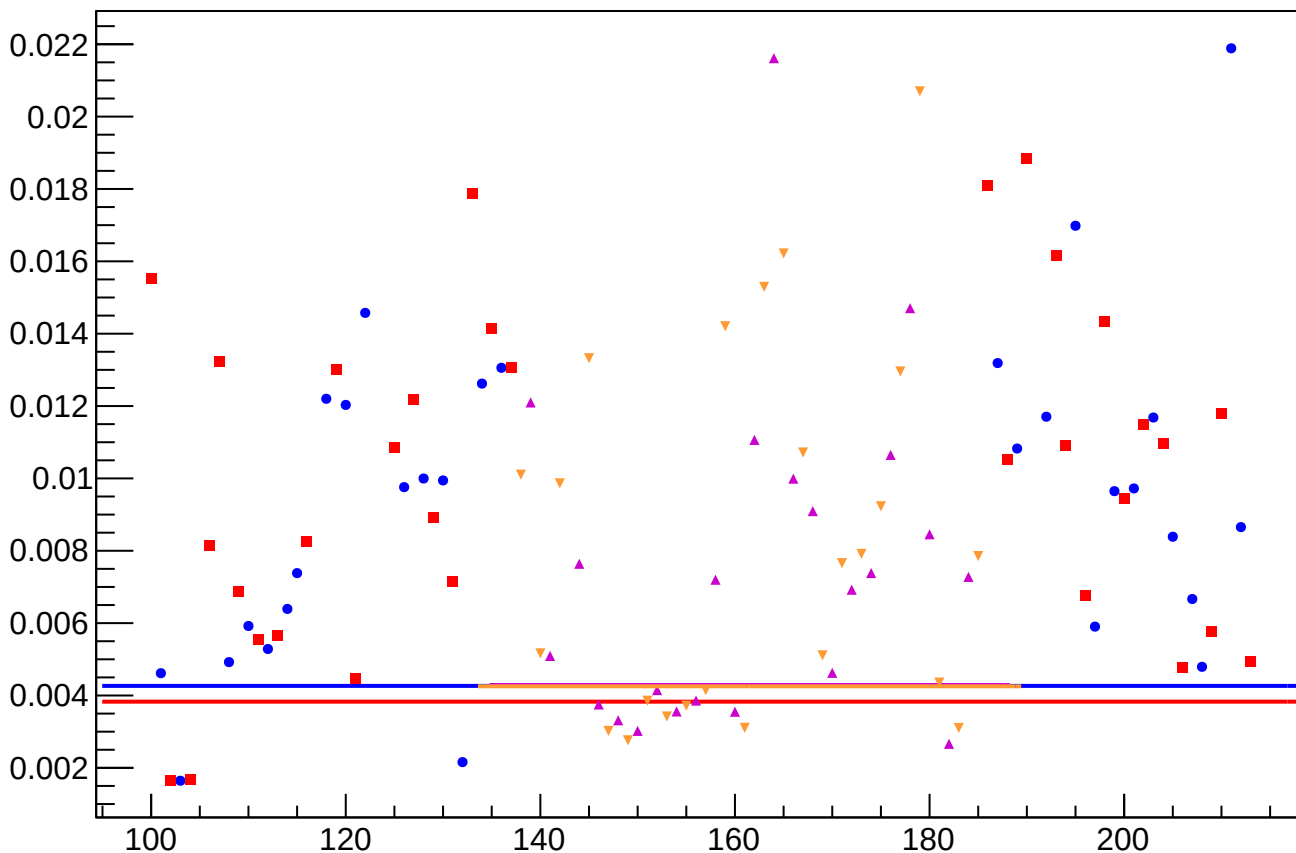
Left In: -0.000+/-0.000 χ^2/NDF : 28.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 60.1/52

All: -0.000+/-0.000 χ^2/NDF : 118.1/107

- sign -0.000+/-0.000 χ^2/NDF : 57.4/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 13195597.9/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:8492565.6/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 15232552.3/31

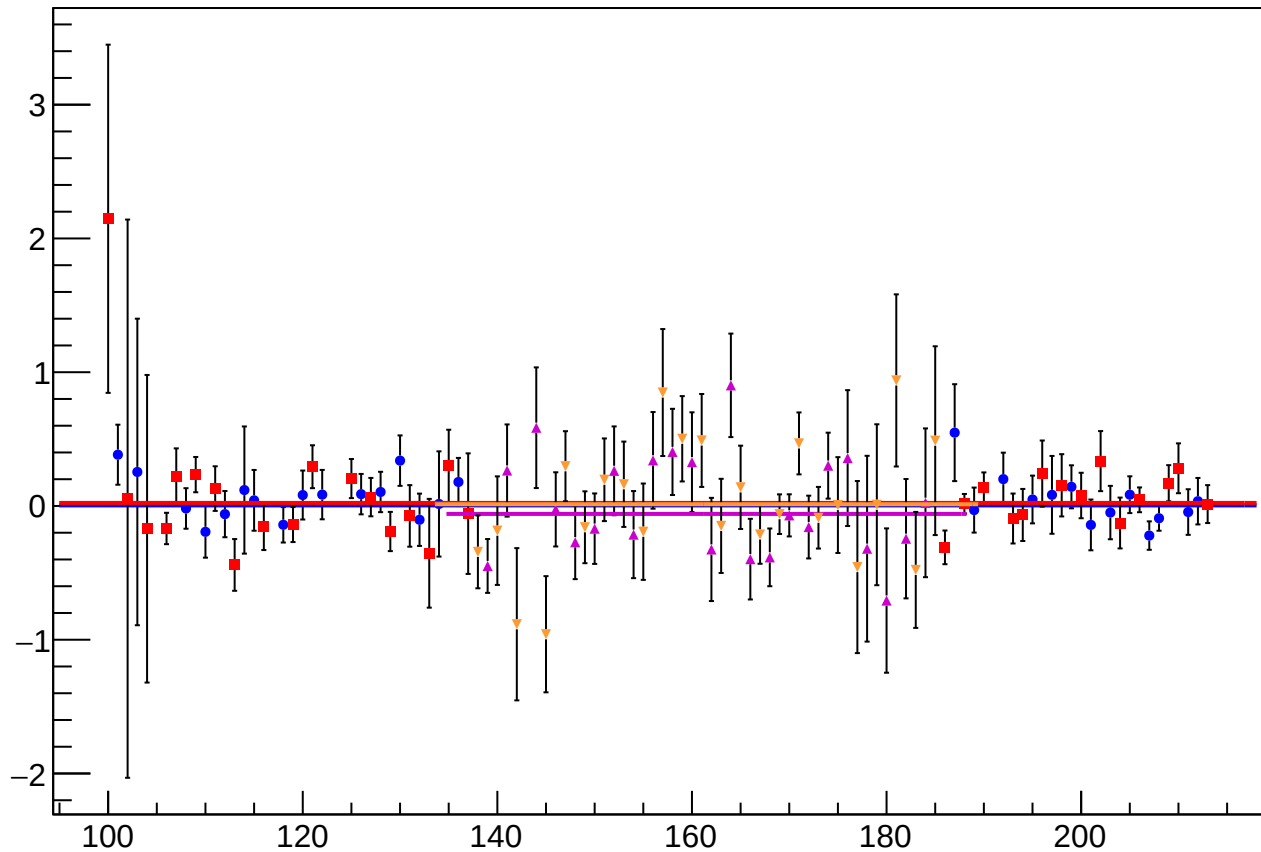
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:6598609.8/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21688239.0/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 43716314.5/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21977925.1/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.032 χ^2/NDF : 21.8/28

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.023 ± 0.028 χ^2/NDF : 41.8/31

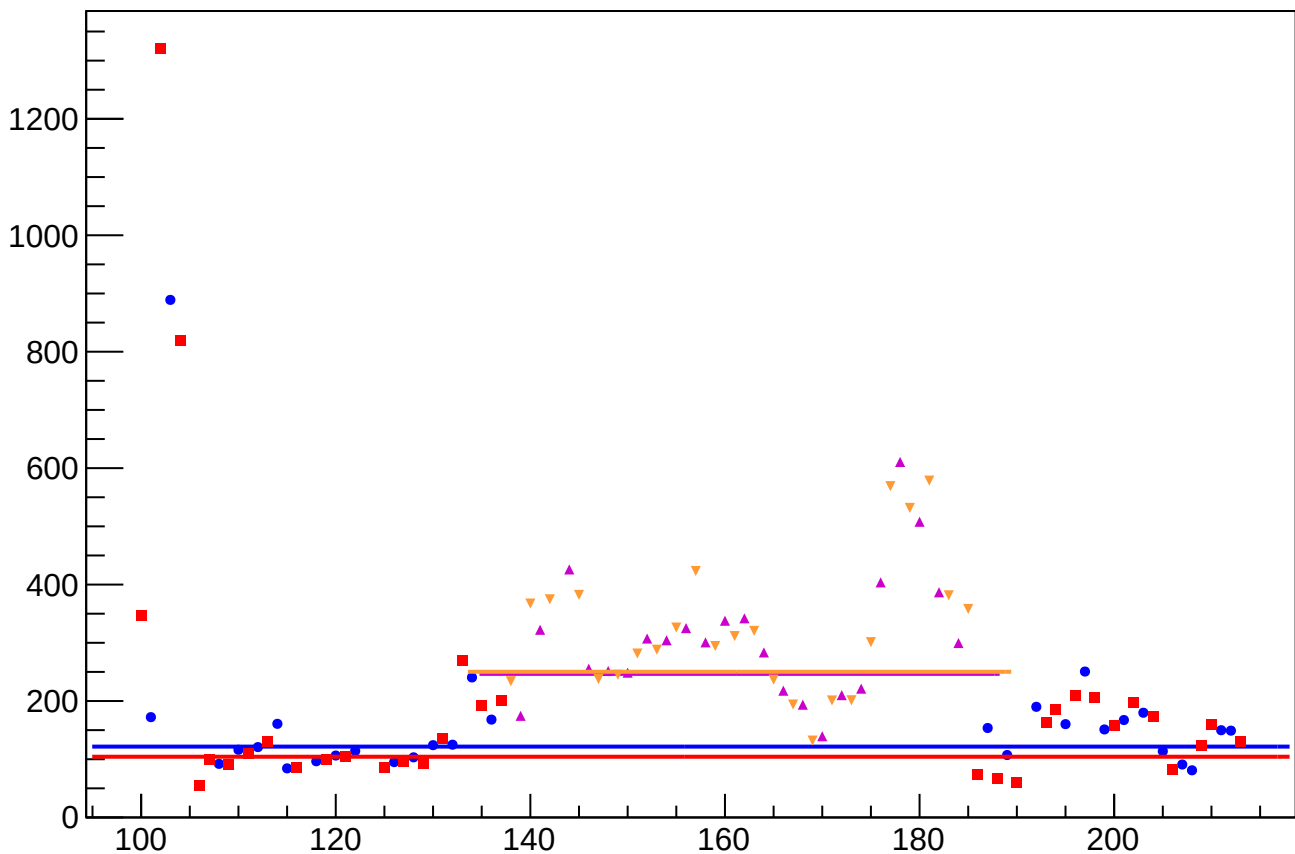
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.006 ± 0.029 χ^2/NDF : 51.1/52

All: 0.008 ± 0.019 χ^2/NDF : 122.3/107

- sign 0.009 ± 0.025 χ^2/NDF : 71.2/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 121.701+/-0.023 χ^2/NDF : 3407389.8/28

Left Out: 250.248+/-0.045 χ^2/NDF : 4353323.9/23

Right Out: 104.312+/-0.020 χ^2/NDF : 6123958.2/31

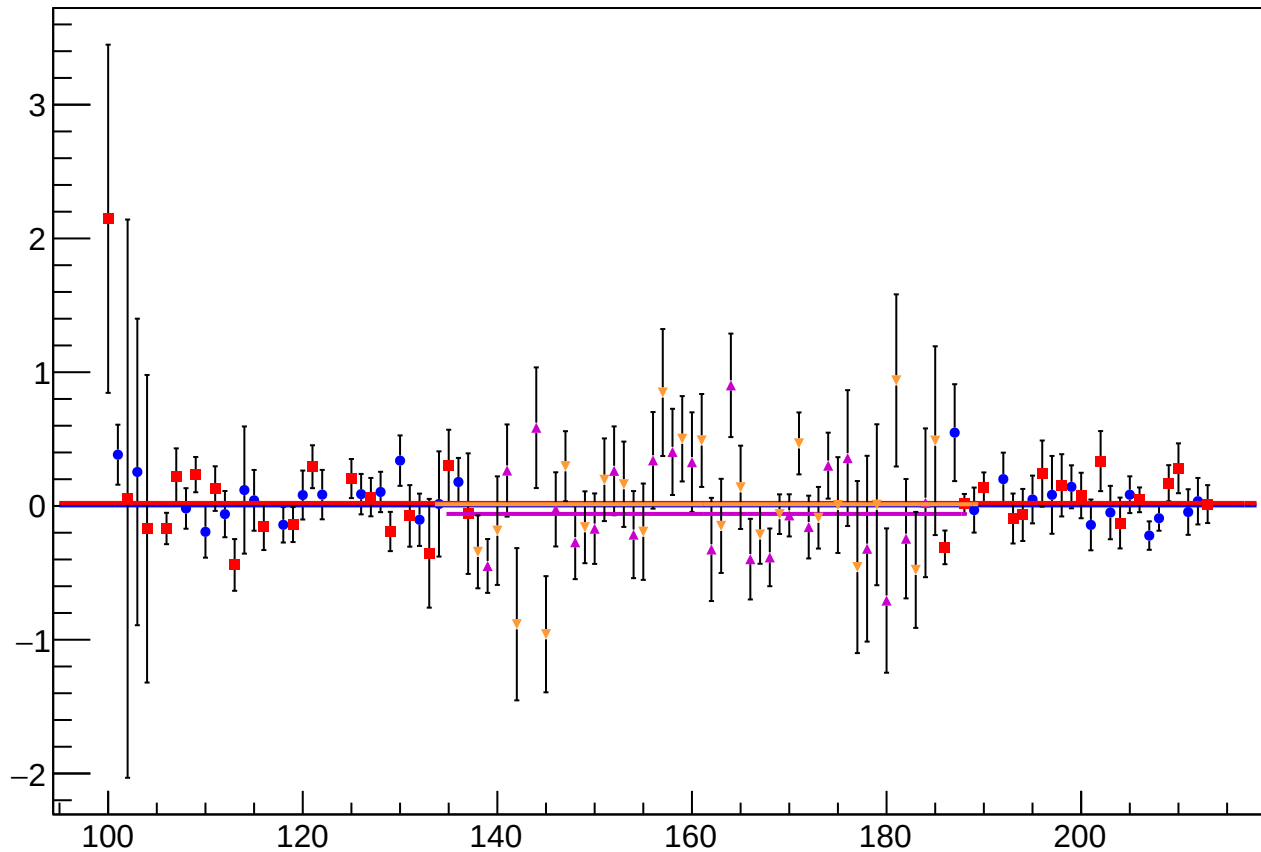
Left In: 246.632+/-0.044 χ^2/NDF : 3773144.3/22

+ sign 148.187+/-0.020 χ^2/NDF : 14369947.0/52

All: 137.112+/-0.013 χ^2/NDF : 33561935.2/10

- sign 128.326+/-0.018 χ^2/NDF : 18654191.3/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.032 χ^2/NDF : 21.8/28

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: 0.023 ± 0.028 χ^2/NDF : 41.8/31

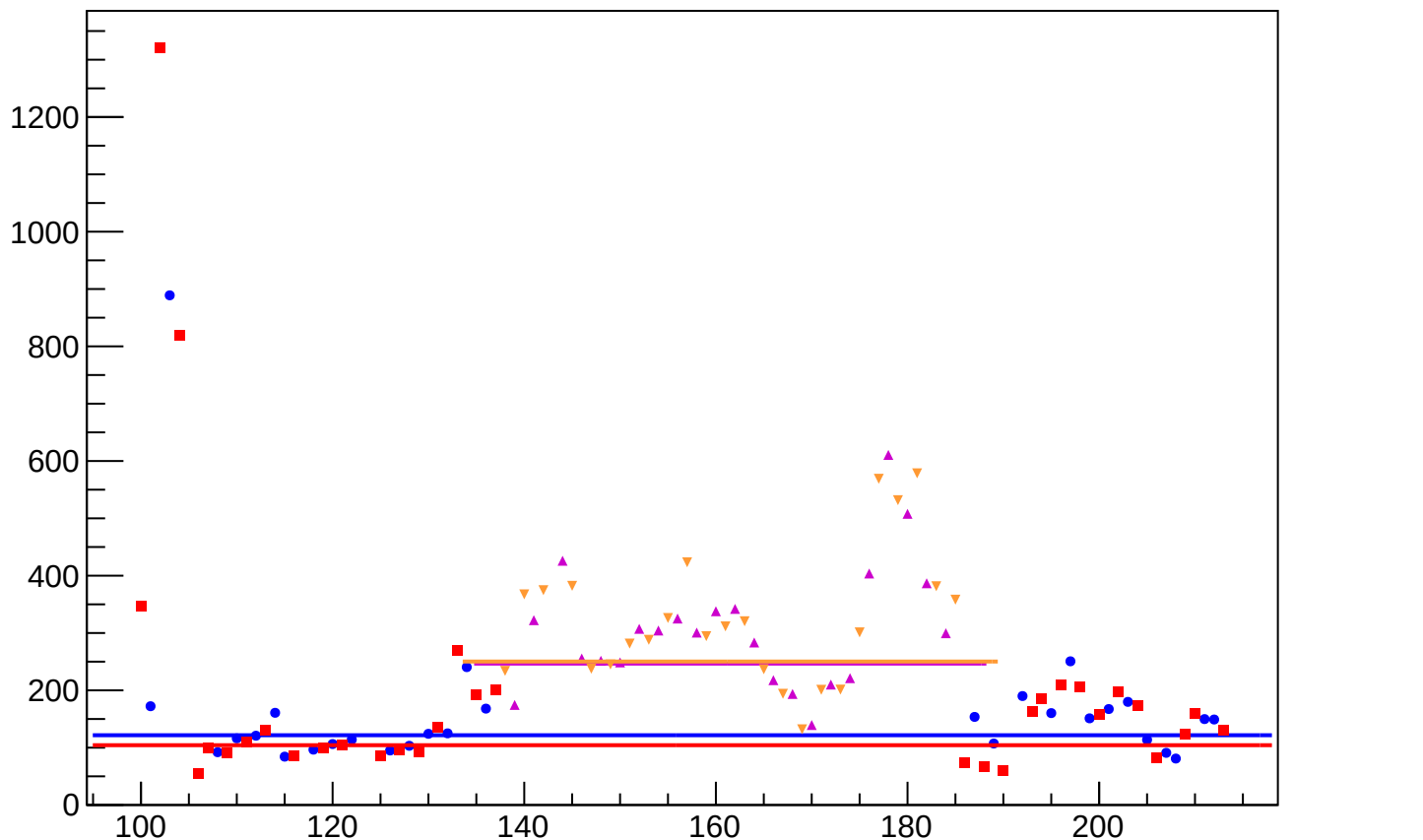
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.006 ± 0.029 χ^2/NDF : 51.1/52

All: 0.008 ± 0.019 χ^2/NDF : 122.3/107

- sign 0.009 ± 0.025 χ^2/NDF : 71.2/54

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 121.701 $\pm$ 0.023 χ^2/NDF : 3407389.8/28

Left Out: 250.248 $\pm$ 0.045 χ^2/NDF : 4353323.9/23

Right Out: 104.312 $\pm$ 0.020 χ^2/NDF : 6123958.2/31

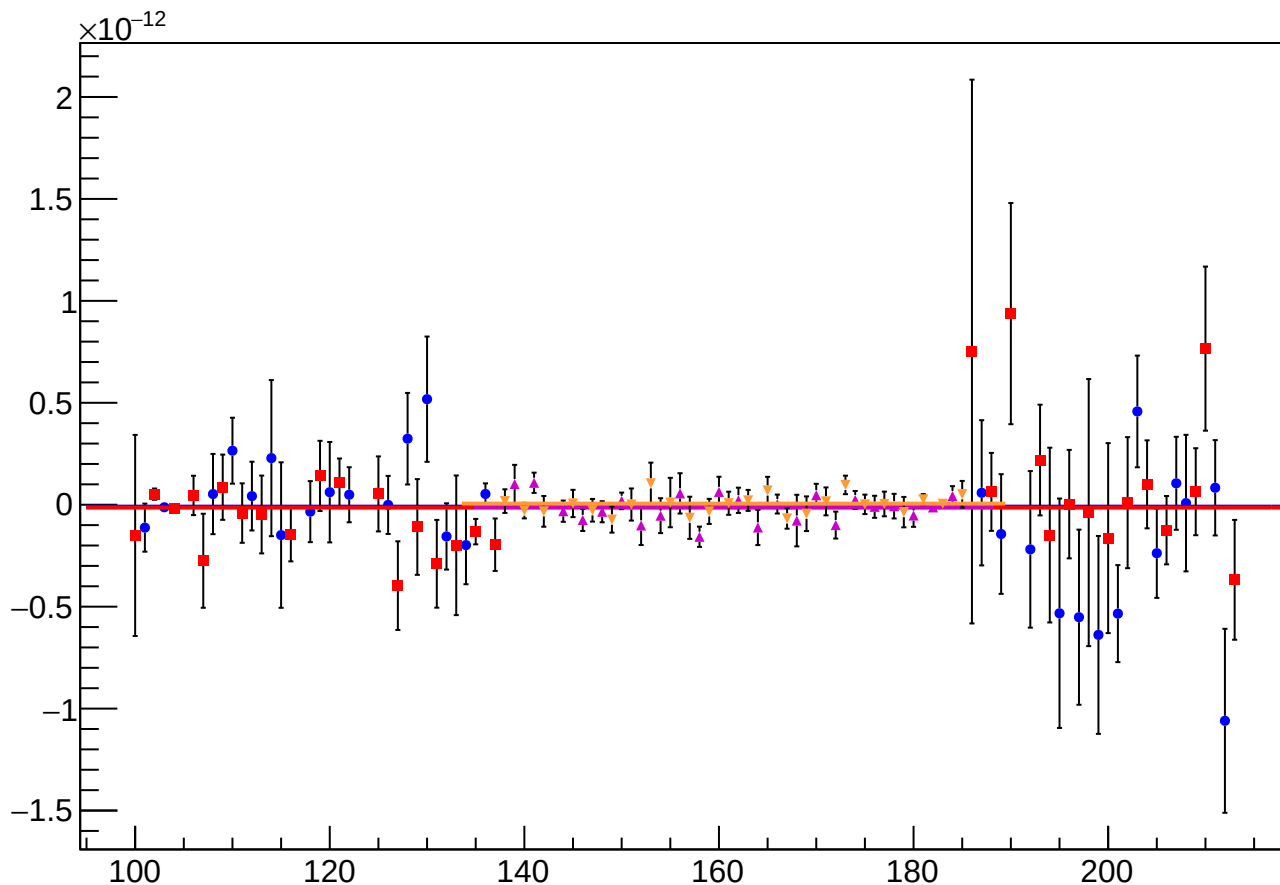
Left In: 246.632 $\pm$ 0.044 χ^2/NDF : 3773144.3/22

+ sign 148.187 $\pm$ 0.020 χ^2/NDF : 14369947.0/52

All: 137.112 $\pm$ 0.013 χ^2/NDF : 33561935.2/10

- sign 128.326 $\pm$ 0.018 χ^2/NDF : 18654191.3/54

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 32.4/28

Left Out: 0.000+/-0.000 χ^2/NDF :13.8/23

Right Out: -0.000+/-0.000 χ^2/NDF : 32.5/31

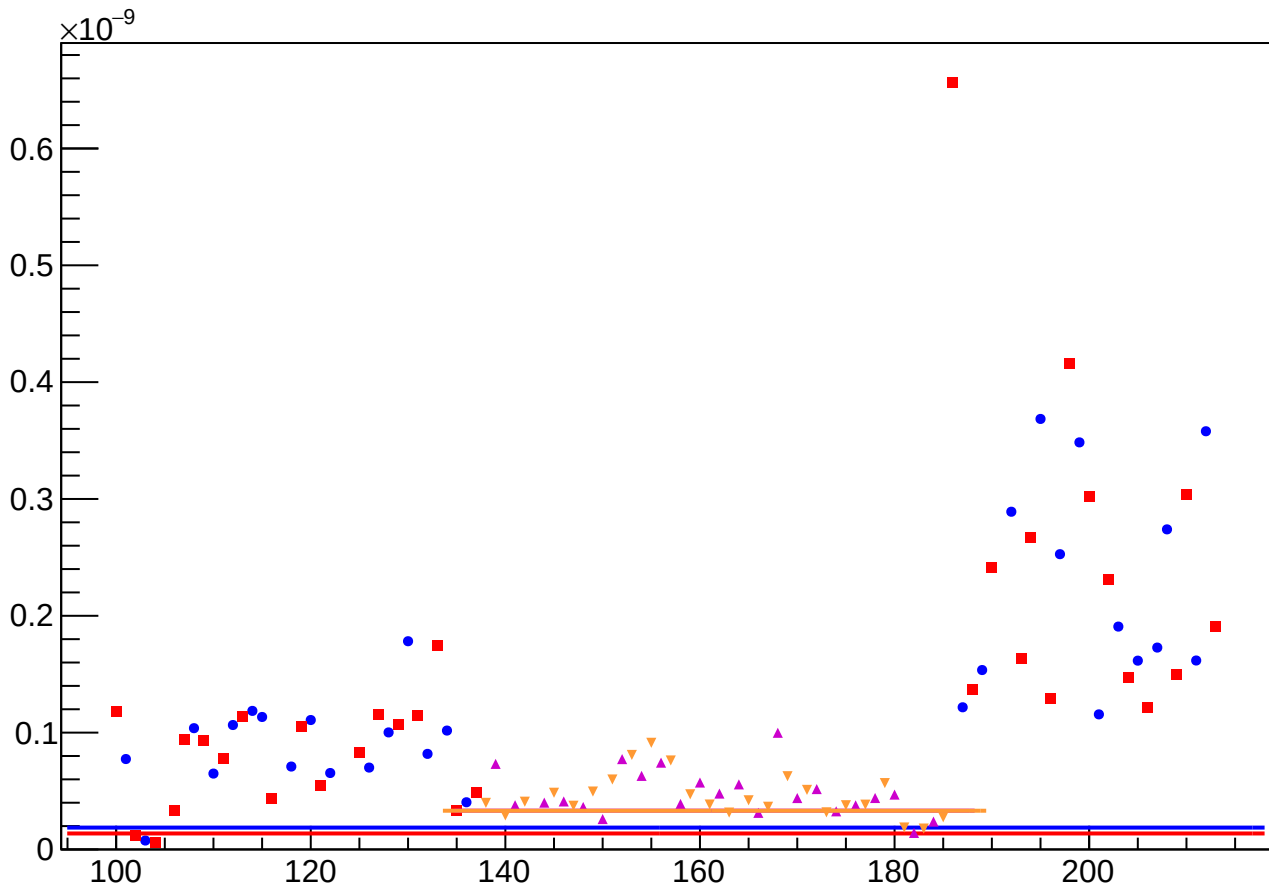
Left In: -0.000+/-0.000 χ^2/NDF :27.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 47.1/52

All: -0.000+/-0.000 χ^2/NDF : 108.7/107

- sign -0.000+/-0.000 χ^2/NDF : 60.4/54

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15875208.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 15950034.9/31

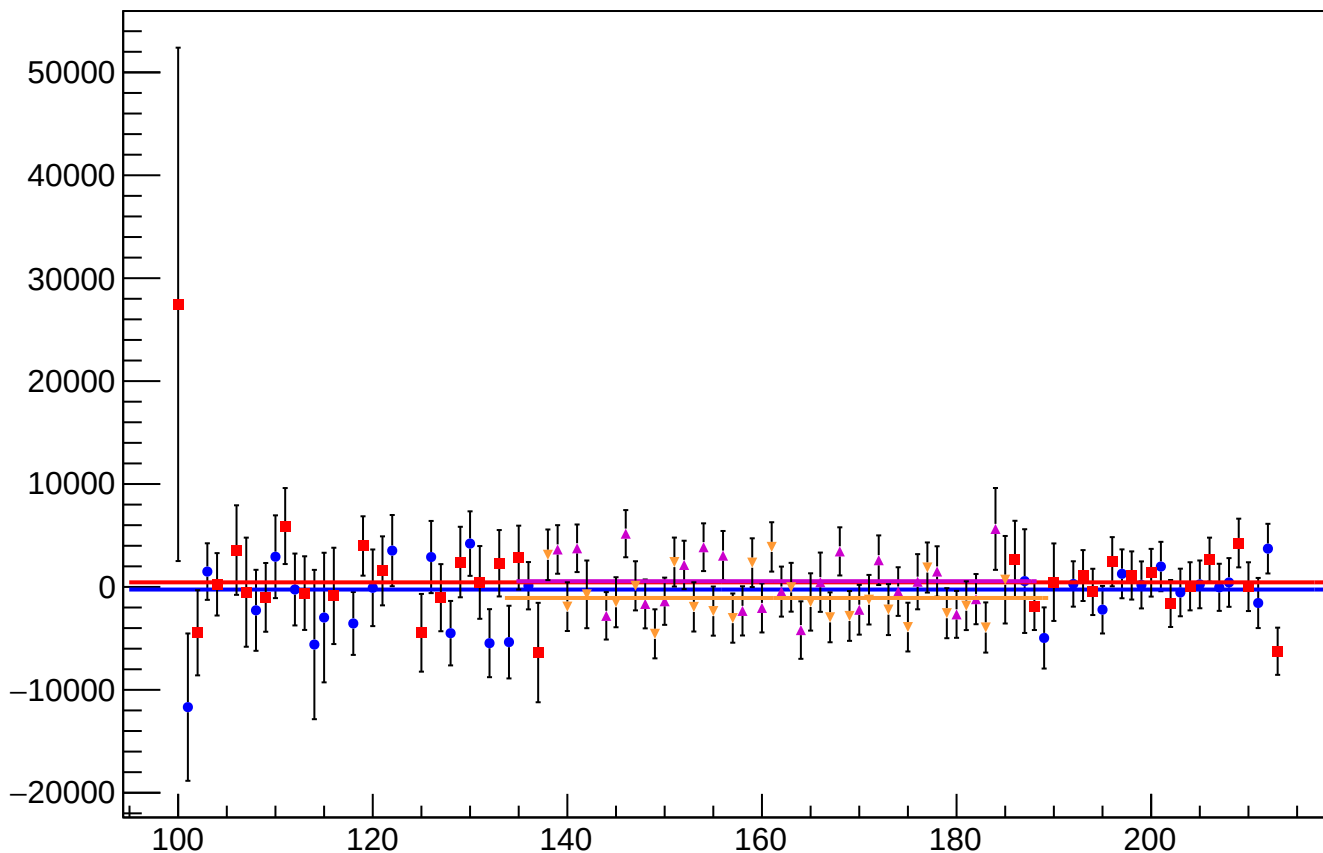
Left In: 0.000+/-0.000 χ^2/NDF : 5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 21494976.1/52

All: 0.000+/-0.000 χ^2/NDF : 46499314.7/107

- sign 0.000+/-0.000 χ^2/NDF : 24681168.1/54

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -253.854 ± 535.765 χ^2/NDF : 24.0/28

Left Out: -1072.863 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 445.956 ± 520.095 χ^2/NDF : 28.0/31

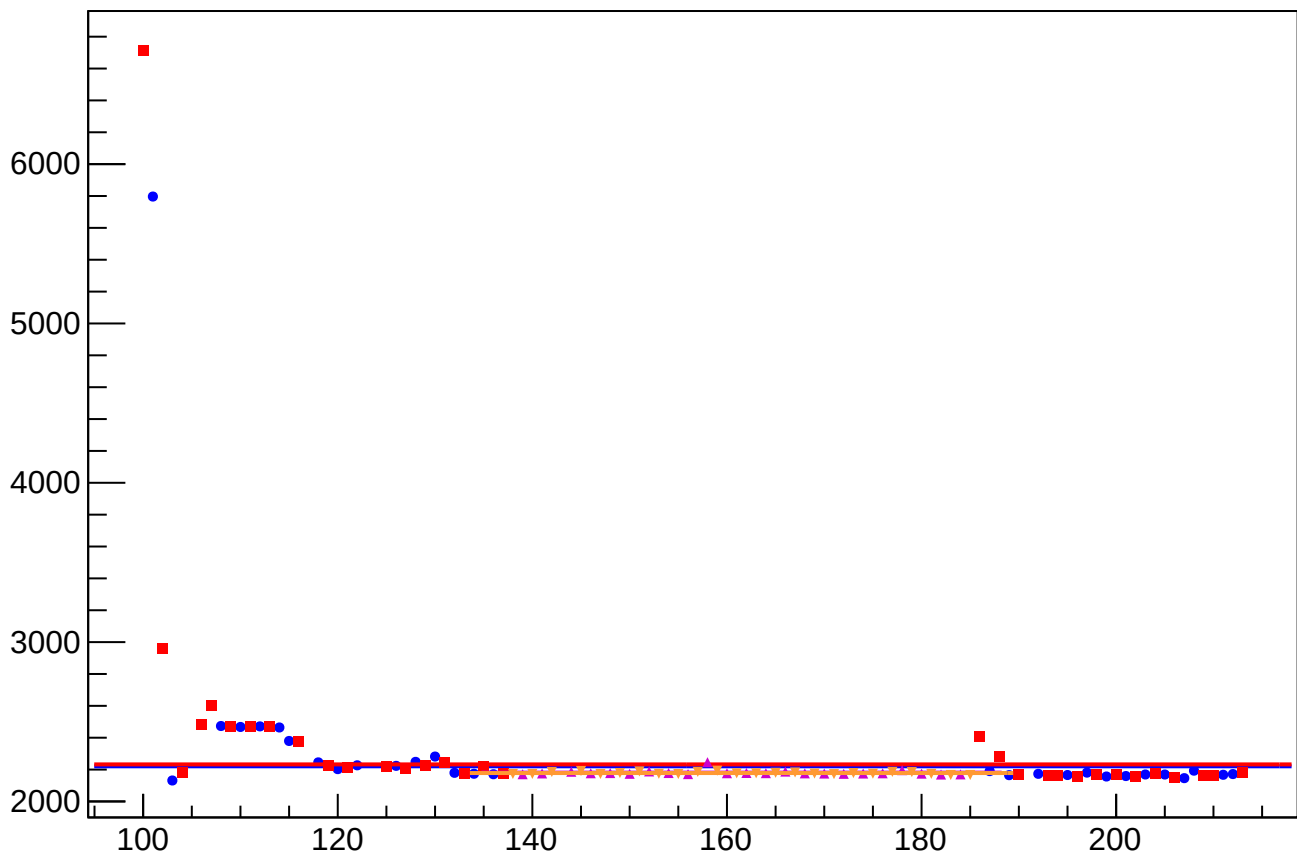
Left In: 557.052 ± 509.208 χ^2/NDF : 28.7/22

+ sign -687.116 ± 367.690 χ^2/NDF : 46.8/52

All: -85.977 ± 258.629 χ^2/NDF : 108.8/107

- sign 502.679 ± 363.853 χ^2/NDF : 56.8/54

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2220.574 $\pm$ 0.379 χ^2 /NDF: 545978.0/28

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

Right Out: 2232.487 $\pm$ 0.368 χ^2 /NDF: 198022.7/31

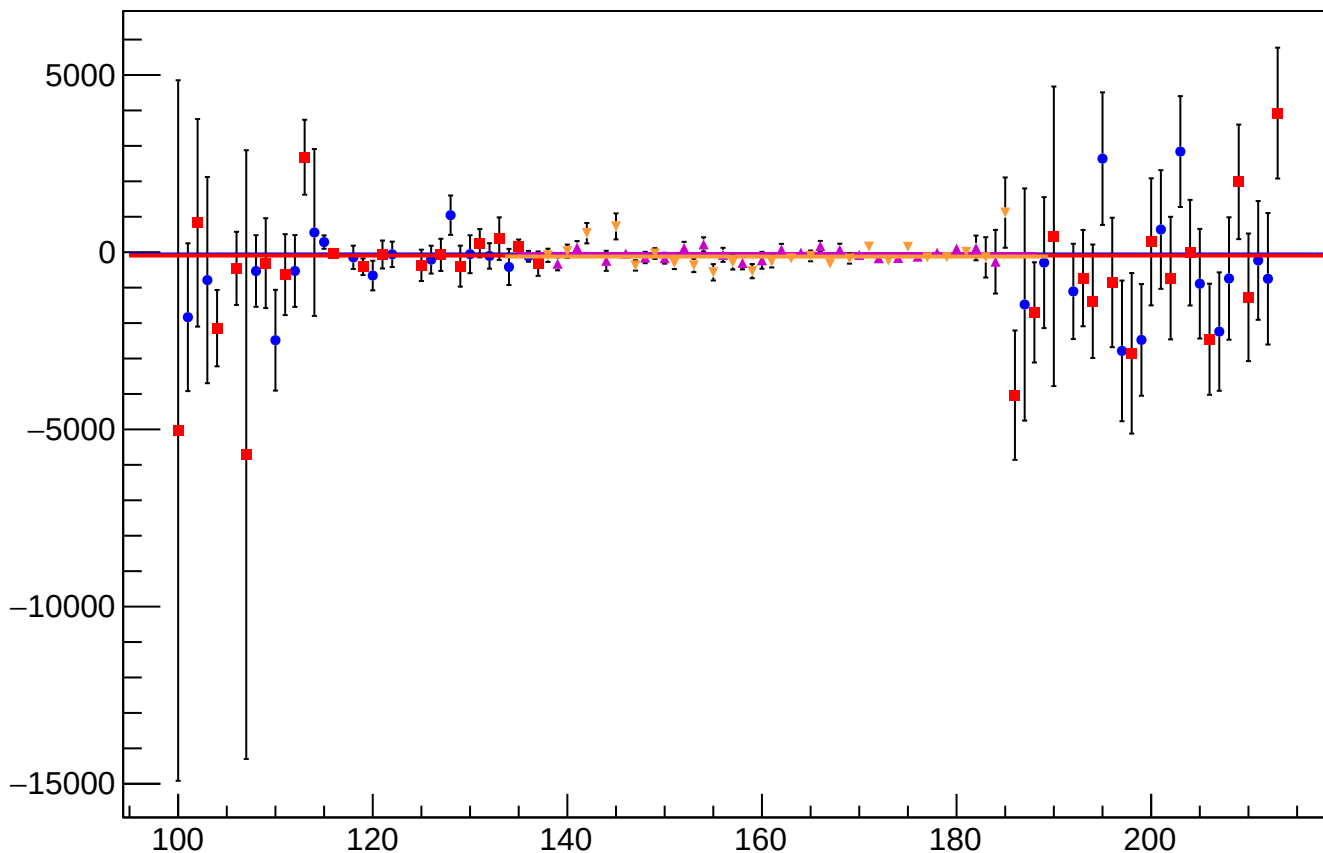
Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

+ sign 2198.181 $\pm$ 0.260 χ^2 /NDF: 552971.7/52

All: 2202.211 $\pm$ 0.183 χ^2 /NDF: 763375.1/107

- sign 2206.158 $\pm$ 0.257 χ^2 /NDF: 209928.0/54

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -63.136 ± 89.303 $\chi^2/\text{NDF}: 27.4/28$

Left Out: -123.007 ± 31.408 $\chi^2/\text{NDF}: 43.8/23$

Right Out: -94.361 ± 81.082 $\chi^2/\text{NDF}: 35.5/31$

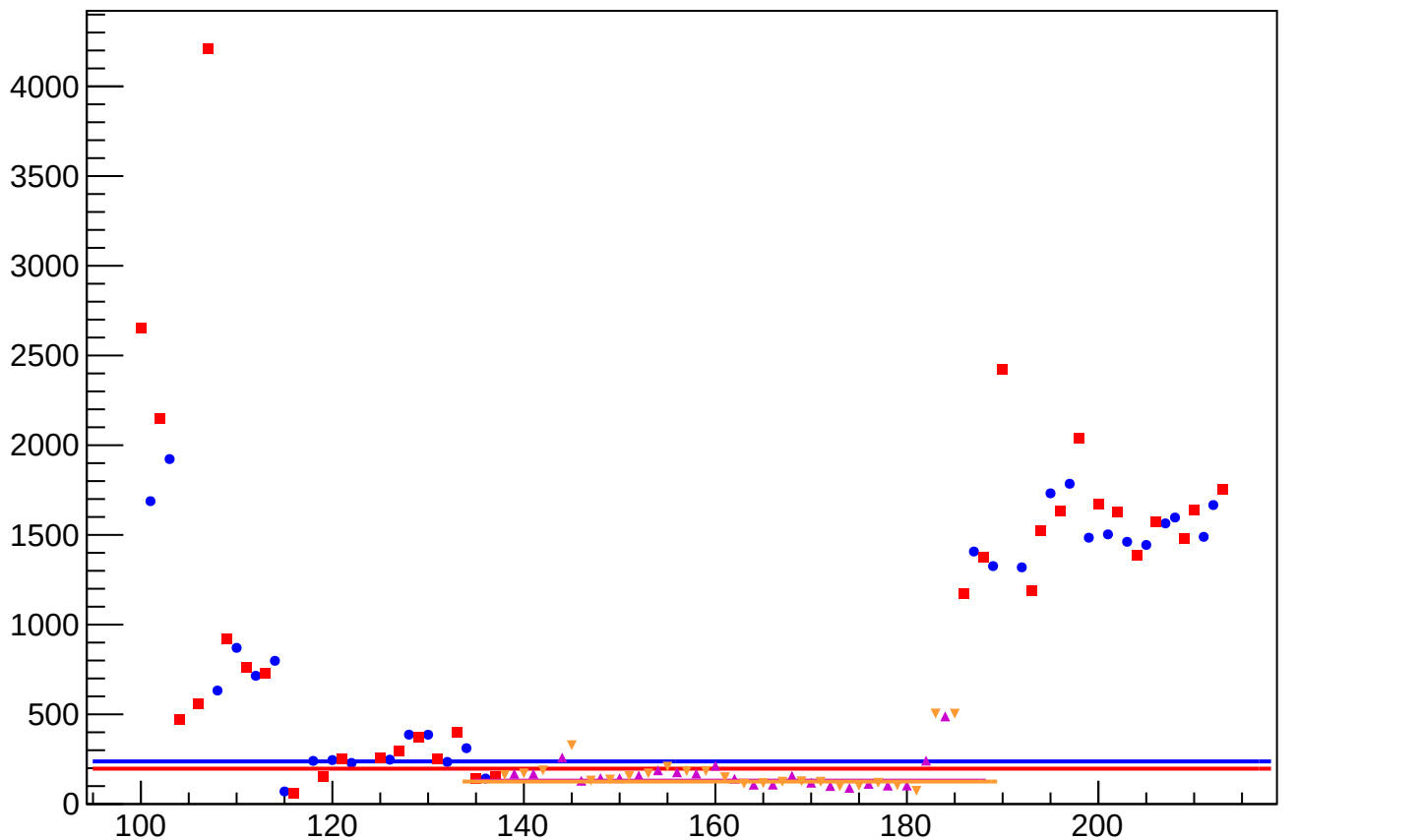
Left In: -50.317 ± 32.545 $\chi^2/\text{NDF}: 18.2/22$

+ sign -116.417 ± 29.629 $\chi^2/\text{NDF}: 71.6/52$

All: -86.998 ± 21.151 $\chi^2/\text{NDF}: 127.6/107$

- sign -56.428 ± 30.203 $\chi^2/\text{NDF}: 54.0/54$

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 237.637 $\pm$ 0.063 χ^2 /NDF: 19957468.6/28

Left Out: 125.506 $\pm$ 0.022 χ^2 /NDF: 3942746.1/23

Right Out: 197.259 $\pm$ 0.057 χ^2 /NDF: 23694751.9/31

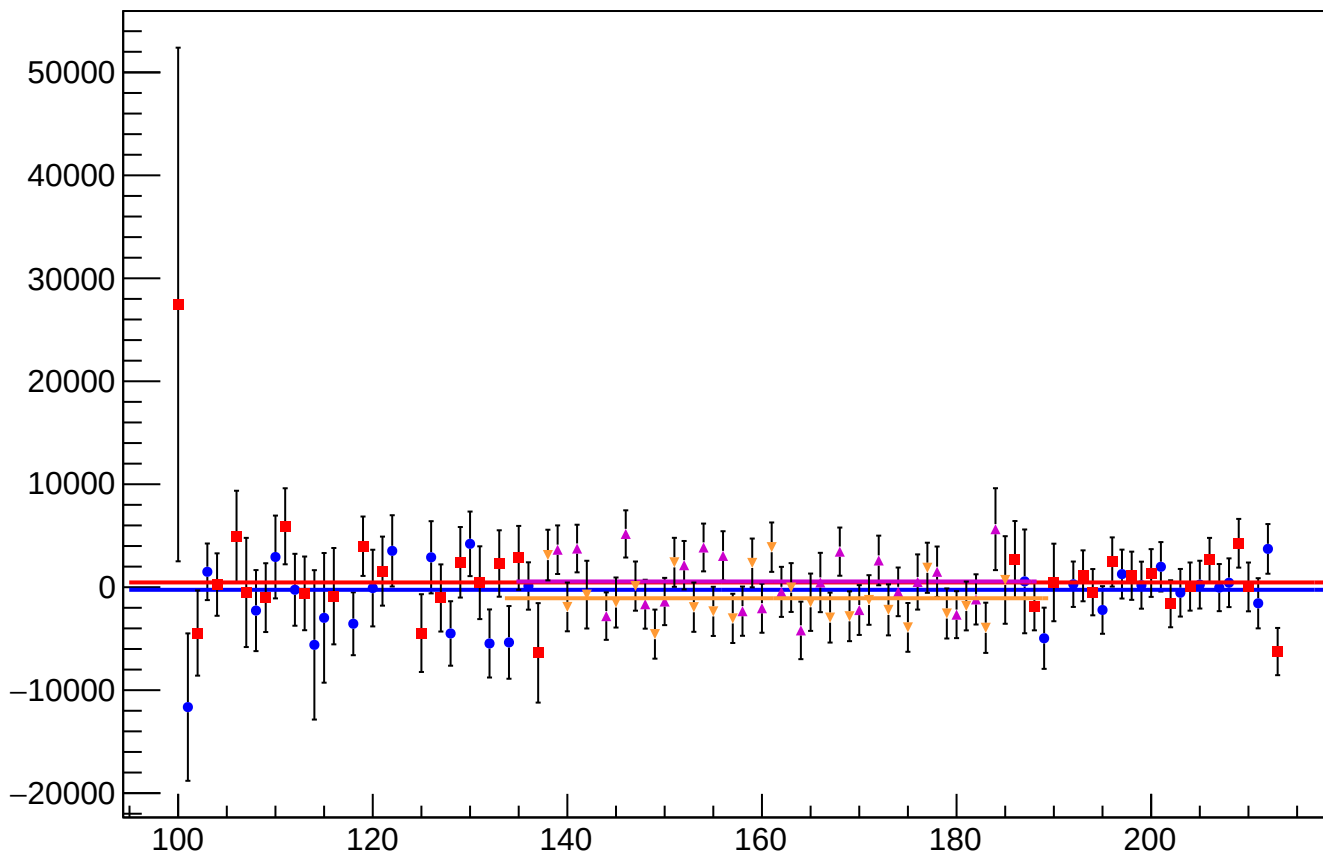
Left In: 130.436 $\pm$ 0.023 χ^2 /NDF: 2679692.6/22

+ sign 137.849 $\pm$ 0.021 χ^2 /NDF: 26706282.0/52

All: 138.761 $\pm$ 0.015 χ^2 /NDF: 54254510.4/10

- sign 139.708 $\pm$ 0.021 χ^2 /NDF: 27544368.3/54

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -253.409 ± 535.765 χ^2/NDF : 24.0/28

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 462.631 ± 520.249 χ^2/NDF : 28.5/31

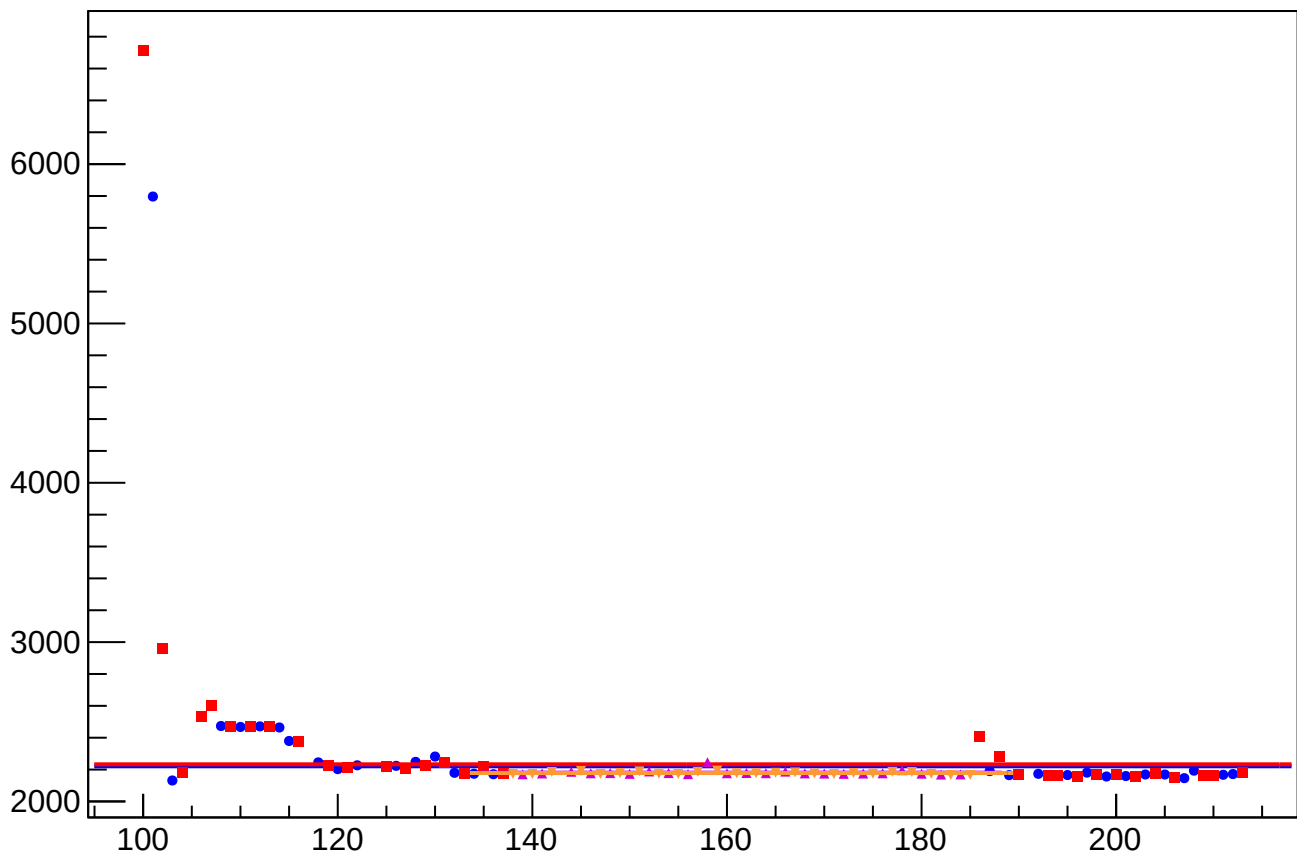
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -686.870 ± 367.690 χ^2/NDF : 46.8/52

All: -81.805 ± 258.648 χ^2/NDF : 109.4/107

- sign 510.868 ± 363.905 χ^2/NDF : 57.2/54

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2220.574 $\pm$ 0.379 χ^2 /NDF: 545978.3/28

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

+ sign 2198.181 $\pm$ 0.260 χ^2 /NDF: 552972.0/52

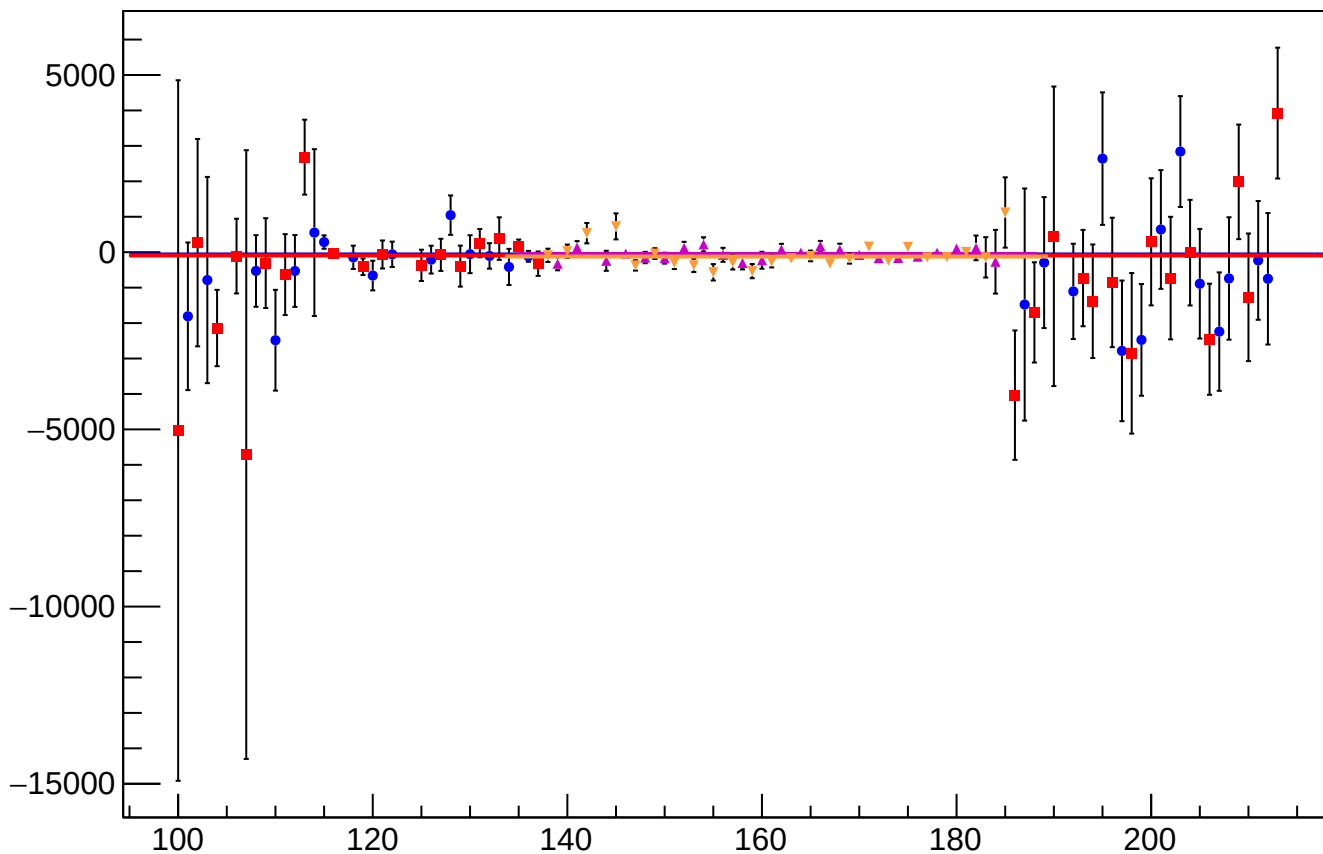
Right Out: 2233.033 $\pm$ 0.368 χ^2 /NDF: 200585.6/31

All: 2202.342 $\pm$ 0.183 χ^2 /NDF: 766180.3/107

- sign 2206.417 $\pm$ 0.257 χ^2 /NDF: 212701.4/54

Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -63.170 ± 89.308 $\chi^2/\text{NDF}: 27.4/28$

Left Out: -122.928 ± 31.408 $\chi^2/\text{NDF}: 43.8/23$

Right Out: -92.396 ± 81.023 $\chi^2/\text{NDF}: 35.2/31$

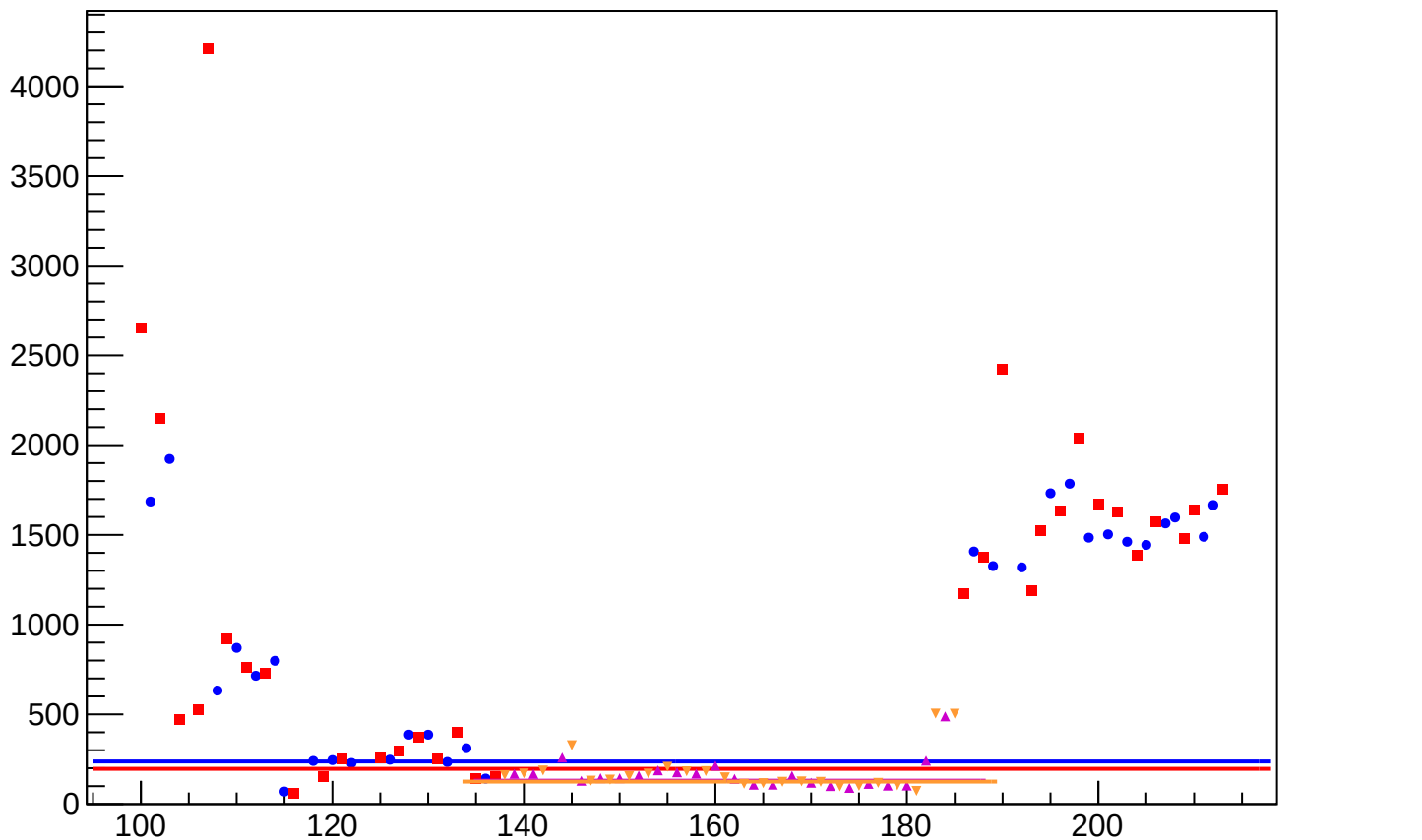
Left In: -50.209 ± 32.548 $\chi^2/\text{NDF}: 18.3/22$

+ sign -116.351 ± 29.629 $\chi^2/\text{NDF}: 71.6/52$

All: -86.788 ± 21.151 $\chi^2/\text{NDF}: 127.4/107$

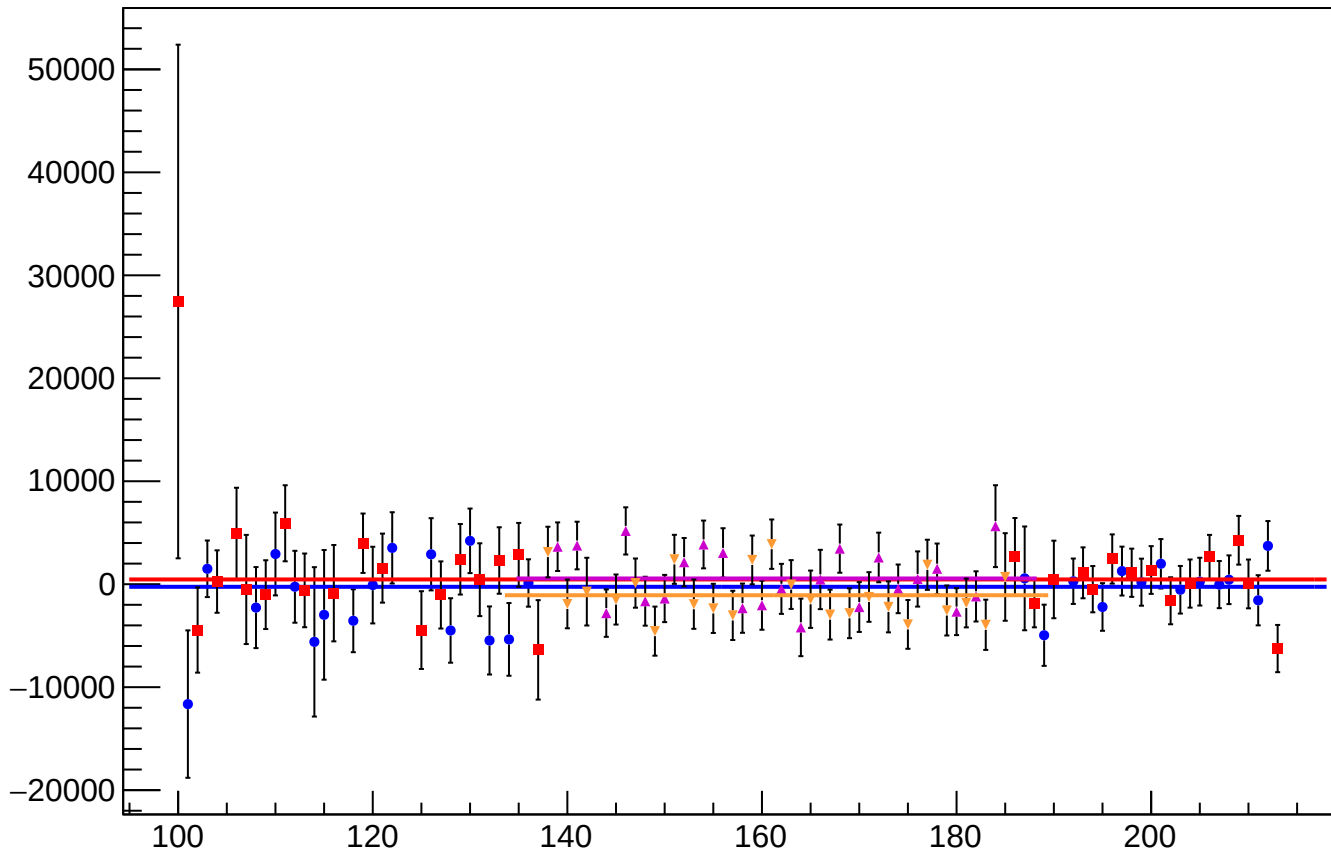
- sign -56.071 ± 30.202 $\chi^2/\text{NDF}: 53.7/54$

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 237.666 $\pm$ 0.063	χ^2 /NDF: 19955761.6/28	+ sign 137.848 $\pm$ 0.021	χ^2 /NDF: 26706737.3/52
Left Out: 125.503 $\pm$ 0.022	χ^2 /NDF: 3943570.9/23	All: 138.732 $\pm$ 0.015	χ^2 /NDF: 54203477.5/10
Right Out: 196.659 $\pm$ 0.057	χ^2 /NDF: 23663833.2/31	- sign 139.651 $\pm$ 0.021	χ^2 /NDF: 27493109.1/54
Left In: 130.451 $\pm$ 0.023	χ^2 /NDF: 2679365.4/22		

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -253.409 ± 535.765 χ^2/NDF : 24.0/28

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 462.631 ± 520.249 χ^2/NDF : 28.5/31

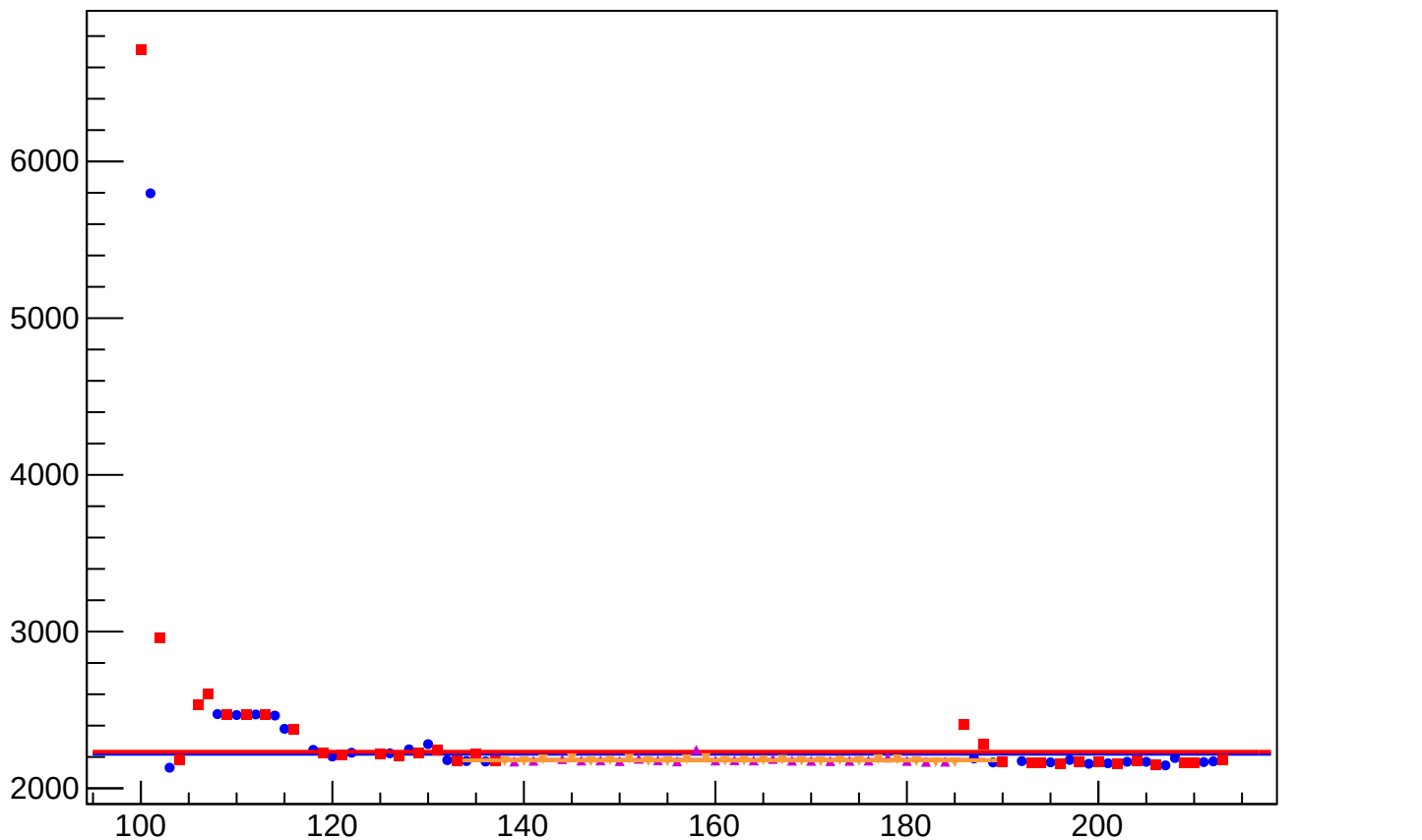
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -686.870 ± 367.690 χ^2/NDF : 46.8/52

All: -81.805 ± 258.648 χ^2/NDF : 109.4/107

- sign 510.868 ± 363.905 χ^2/NDF : 57.2/54

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2220.574 $\pm$ 0.379 χ^2 /NDF: 545978.3/28

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF: 389.1/23

+ sign 2198.181 $\pm$ 0.260 χ^2 /NDF: 552972.0/52

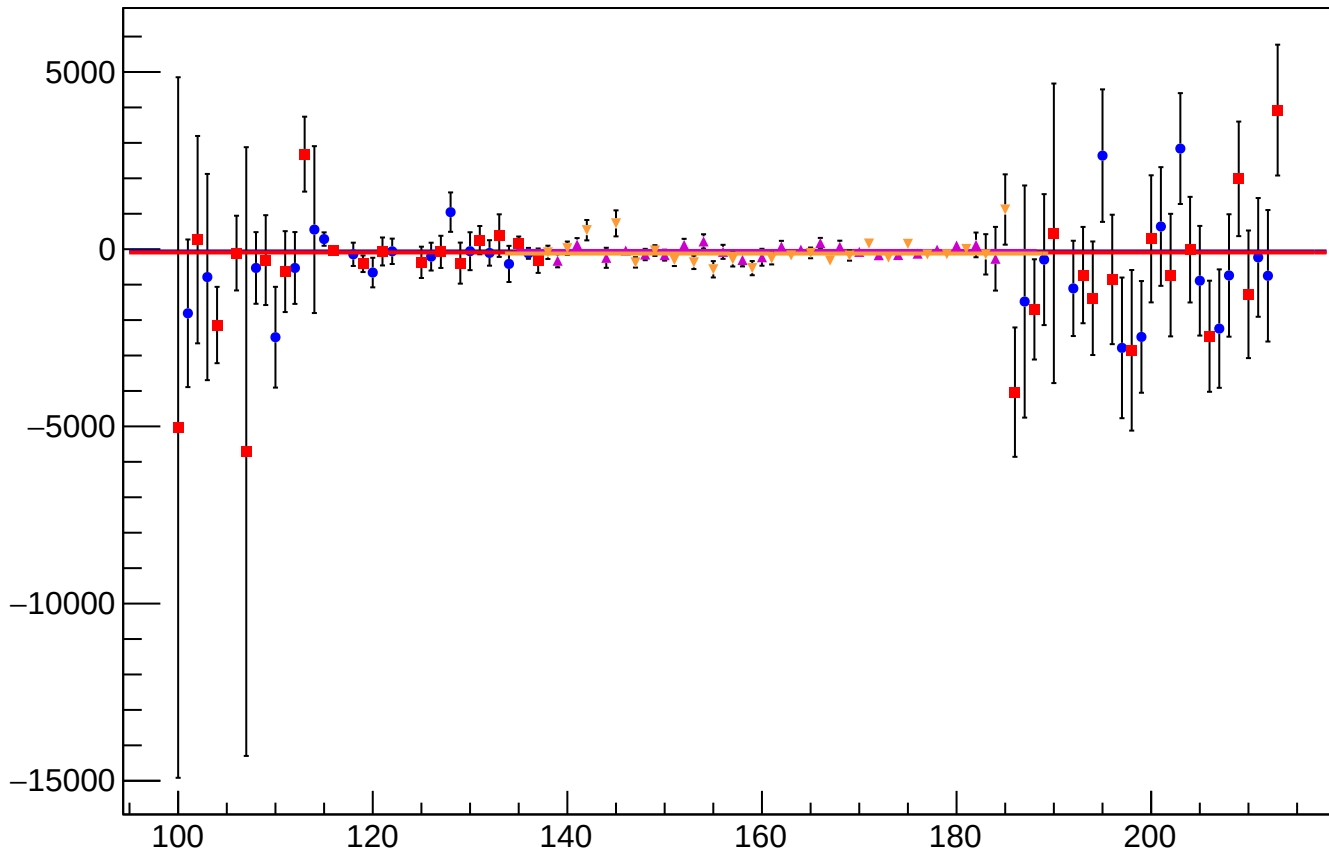
Right Out: 2233.033 $\pm$ 0.368 χ^2 /NDF: 200585.6/31

All: 2202.342 $\pm$ 0.183 χ^2 /NDF: 766180.3/107

- sign 2206.417 $\pm$ 0.257 χ^2 /NDF: 212701.4/54

Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF: 1866.2/22

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -63.170 ± 89.308 $\chi^2/\text{NDF}: 27.4/28$

Left Out: -122.928 ± 31.408 $\chi^2/\text{NDF}: 43.8/23$

Right Out: -92.396 ± 81.023 $\chi^2/\text{NDF}: 35.2/31$

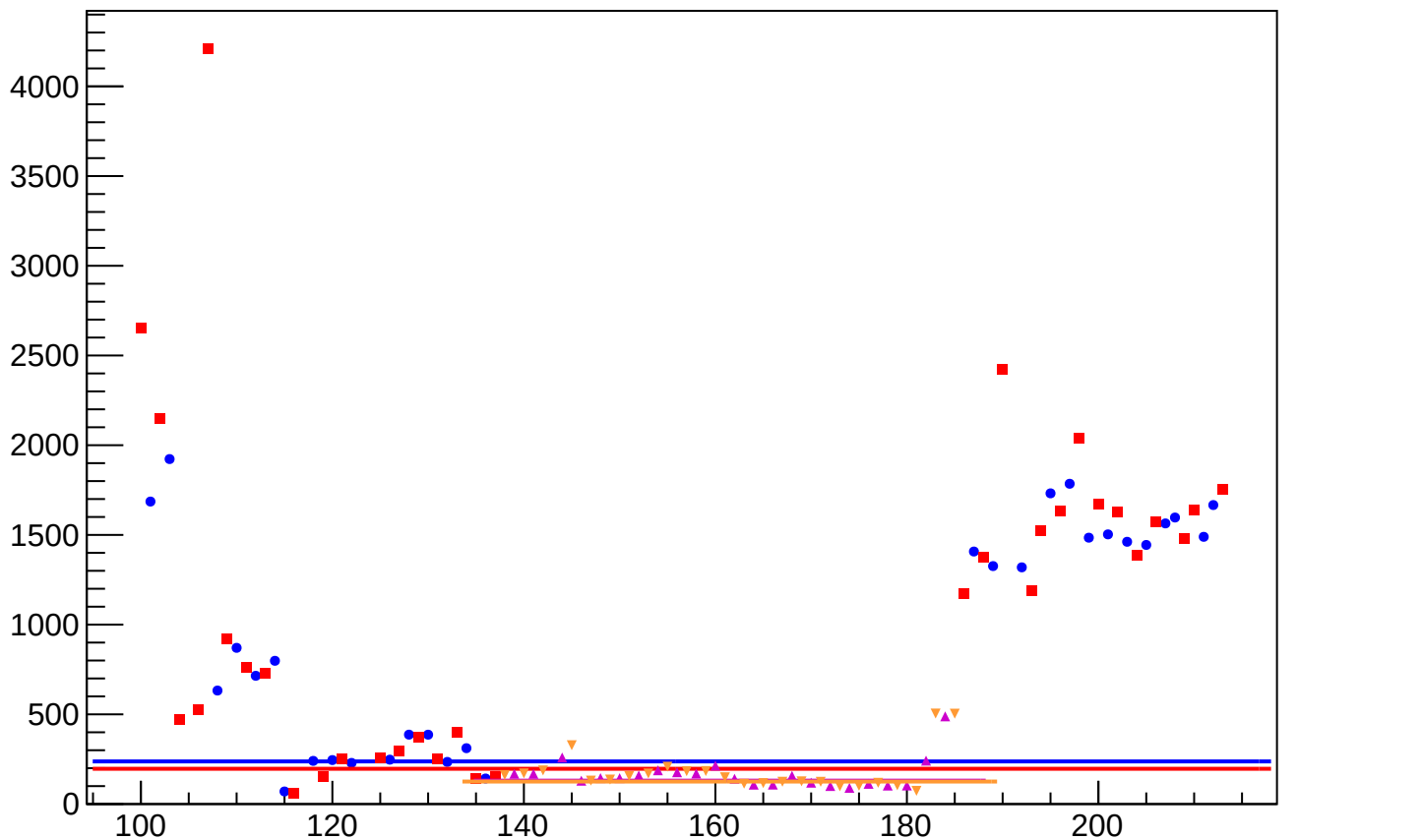
Left In: -50.209 ± 32.548 $\chi^2/\text{NDF}: 18.3/22$

+ sign -116.351 ± 29.629 $\chi^2/\text{NDF}: 71.6/52$

All: -86.788 ± 21.151 $\chi^2/\text{NDF}: 127.4/107$

- sign -56.071 ± 30.202 $\chi^2/\text{NDF}: 53.7/54$

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 237.666 $\pm$ 0.063 χ^2 /NDF: 19955761.6/28

Left Out: 125.503 $\pm$ 0.022 χ^2 /NDF: 3943570.9/23

Right Out: 196.659 $\pm$ 0.057 χ^2 /NDF: 23663833.2/31

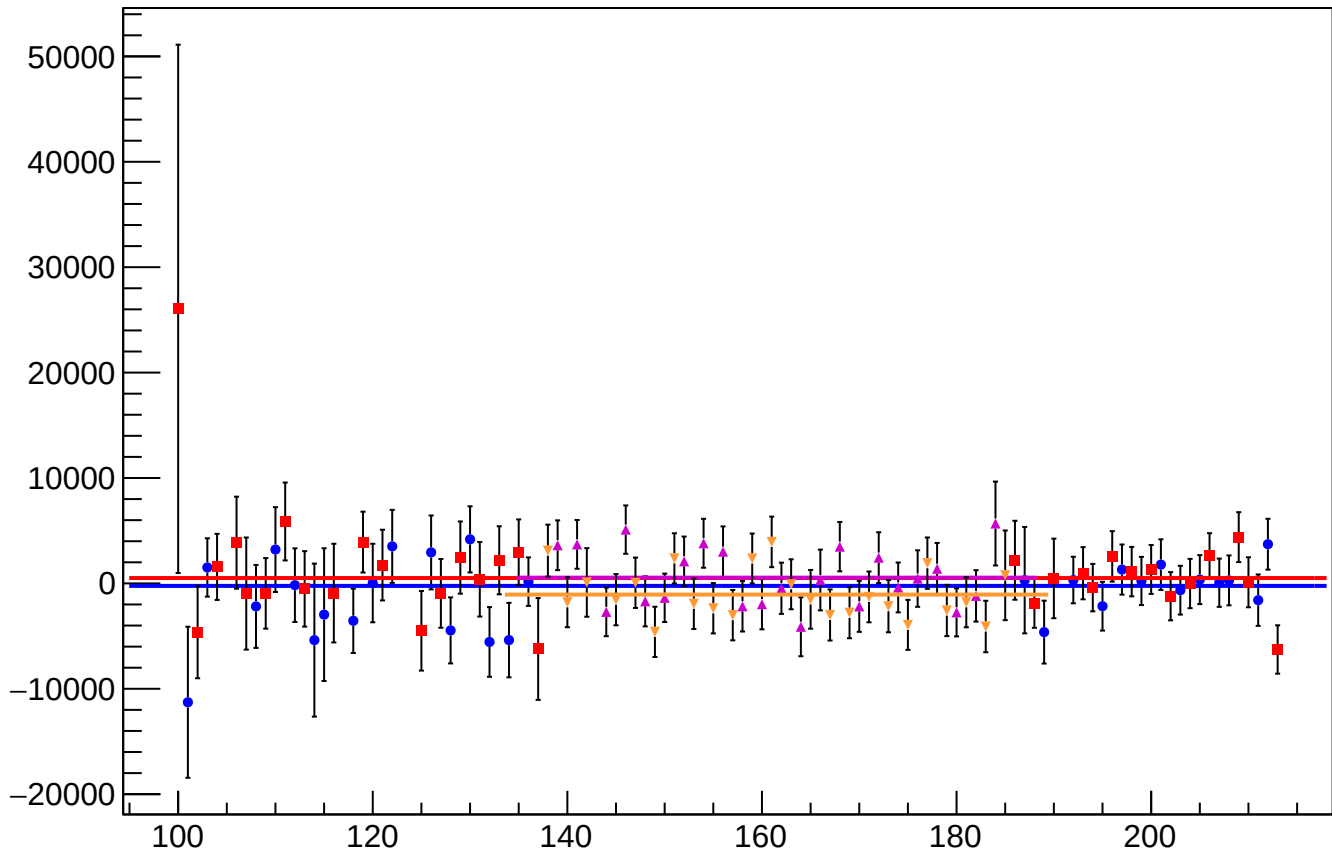
Left In: 130.451 $\pm$ 0.023 χ^2 /NDF: 2679365.4/22

+ sign 137.848 $\pm$ 0.021 χ^2 /NDF: 26706737.3/52

All: 138.732 $\pm$ 0.015 χ^2 /NDF: 54203477.5/10

- sign 139.651 $\pm$ 0.021 χ^2 /NDF: 27493109.1/54

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -236.926 ± 536.357 χ^2/NDF : 23.4/28

Left Out: -1062.372 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 507.349 ± 521.611 χ^2/NDF : 27.7/31

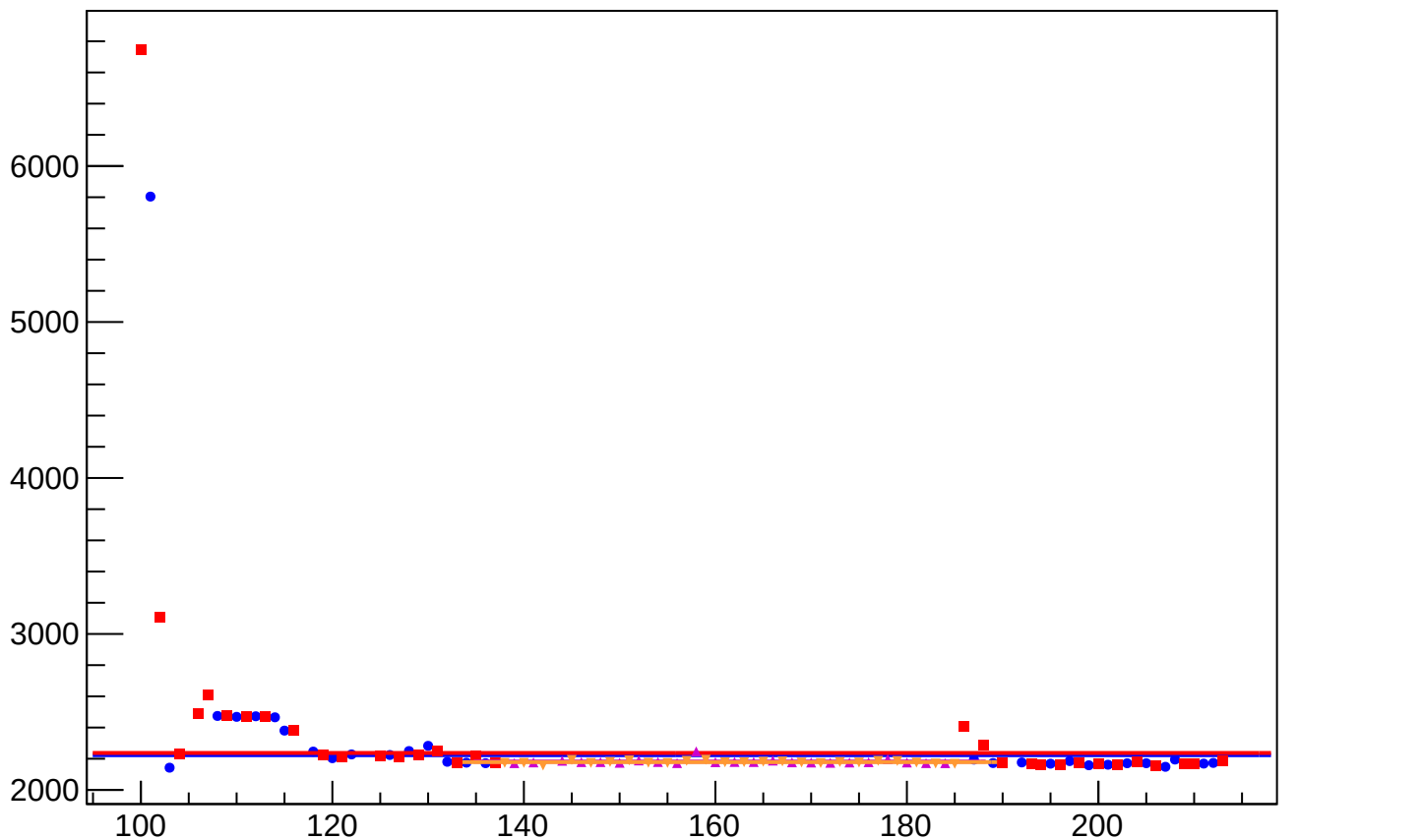
Left In: 544.260 ± 509.433 χ^2/NDF : 27.9/22

+ sign -673.972 ± 367.916 χ^2/NDF : 46.5/52

All: -68.190 ± 258.923 χ^2/NDF : 107.5/107

- sign 526.241 ± 364.453 χ^2/NDF : 55.6/54

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2222.934 ± 0.379 $\chi^2/\text{NDF}: 545339.1/28$

Left Out: 2178.503 ± 0.358 $\chi^2/\text{NDF}: 456.1/23$

Right Out: 2237.019 ± 0.369 $\chi^2/\text{NDF}: 216325.8/31$

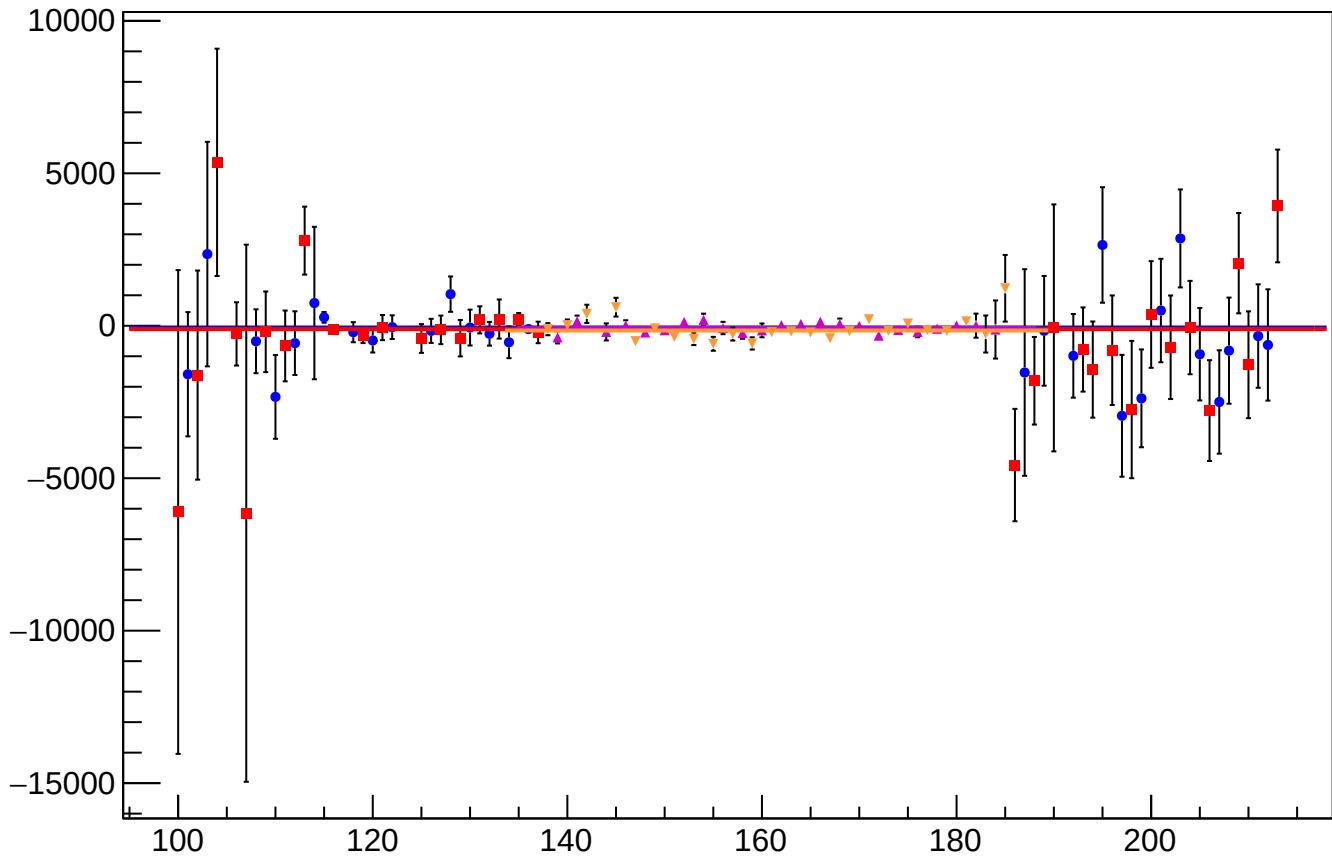
Left In: 2181.882 ± 0.360 $\chi^2/\text{NDF}: 1838.2/22$

+ sign 2199.409 ± 0.260 $\chi^2/\text{NDF}: 553061.6/52$

All: 2204.149 ± 0.183 $\chi^2/\text{NDF}: 783320.4/107$

- sign 2208.799 ± 0.258 $\chi^2/\text{NDF}: 229601.2/54$

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -56.808 ± 90.743 χ^2/NDF : 27.1/28

Left Out: -154.725 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -109.752 ± 84.618 χ^2/NDF : 34.5/31

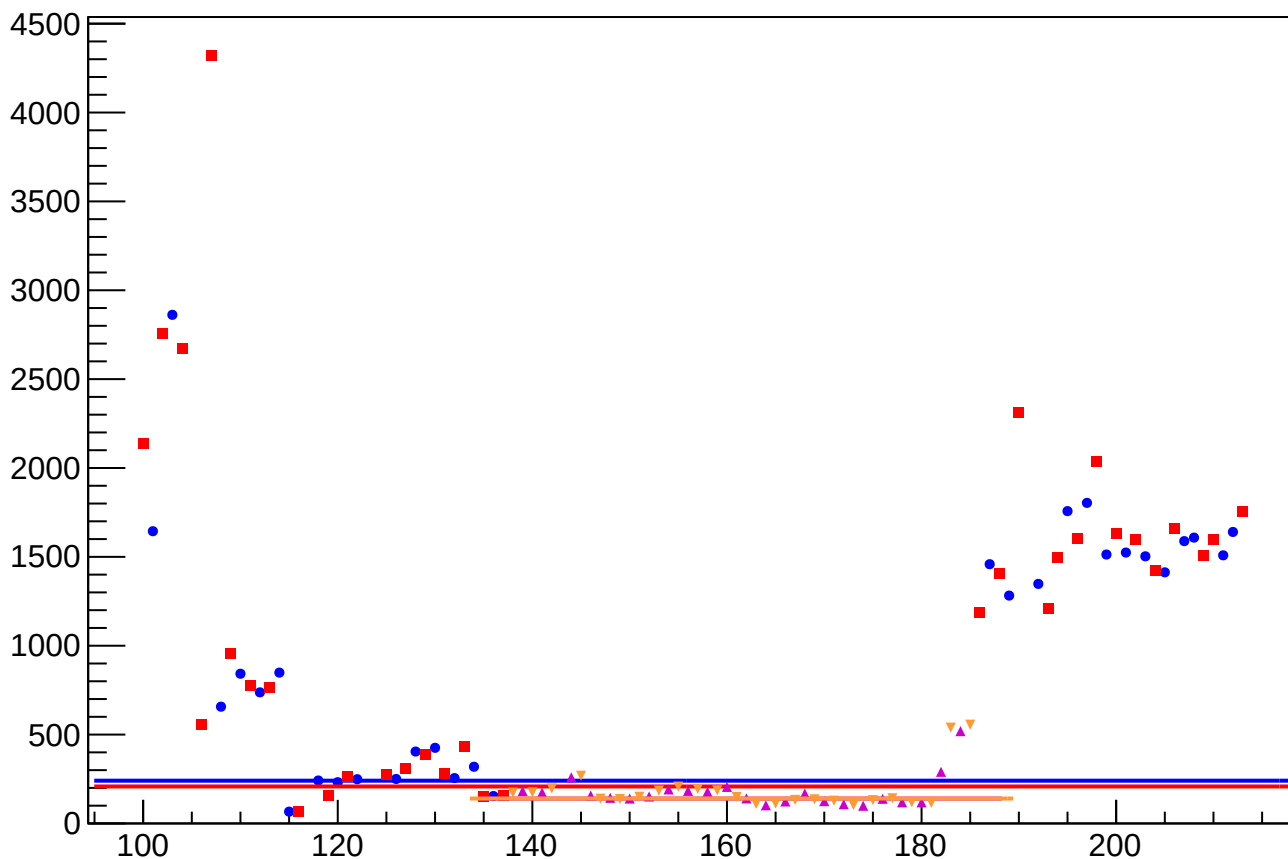
Left In: -70.142 ± 34.204 χ^2/NDF : 18.9/22

+ sign -142.633 ± 31.888 χ^2/NDF : 75.4/52

All: -108.983 ± 22.486 χ^2/NDF : 131.3/107

- sign -75.705 ± 31.712 χ^2/NDF : 53.6/54

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 240.652 $\pm$ 0.064 χ^2 /NDF: 20506359.2/28

Left Out: 140.319 $\pm$ 0.024 χ^2 /NDF: 2760284.0/23

Right Out: 208.169 $\pm$ 0.060 χ^2 /NDF: 24417564.0/31

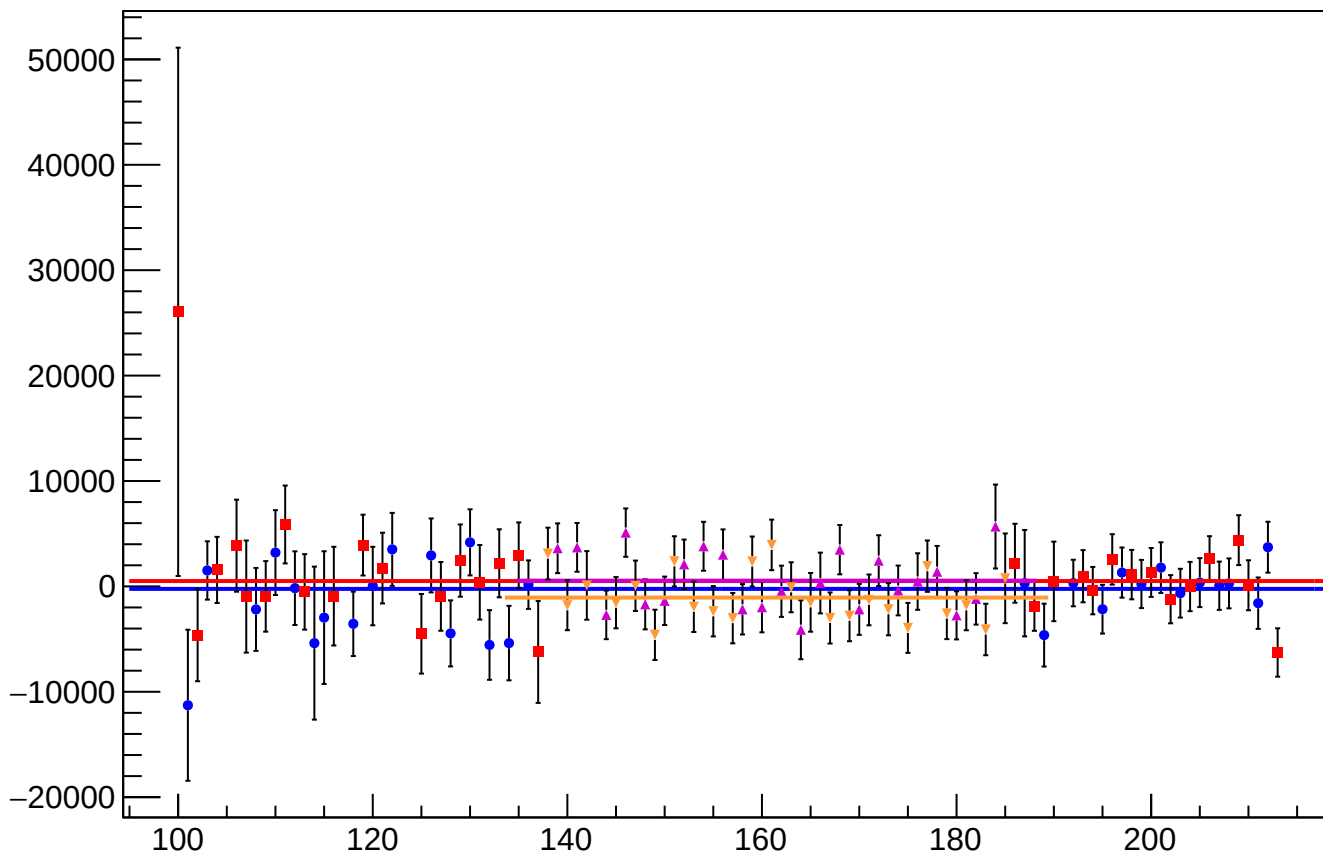
Left In: 139.979 $\pm$ 0.024 χ^2 /NDF: 2412455.4/22

+ sign 152.709 $\pm$ 0.023 χ^2 /NDF: 25409807.2/52

All: 151.124 $\pm$ 0.016 χ^2 /NDF: 53366084.1/10

- sign 149.556 $\pm$ 0.022 χ^2 /NDF: 27946444.0/54

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -236.928 $\pm$ 536.357 χ^2/NDF : 23.4/28

Left Out: -1062.373 $\pm$ 505.627 χ^2/NDF : 21.9/23

Right Out: 507.348 $\pm$ 521.611 χ^2/NDF : 27.7/31

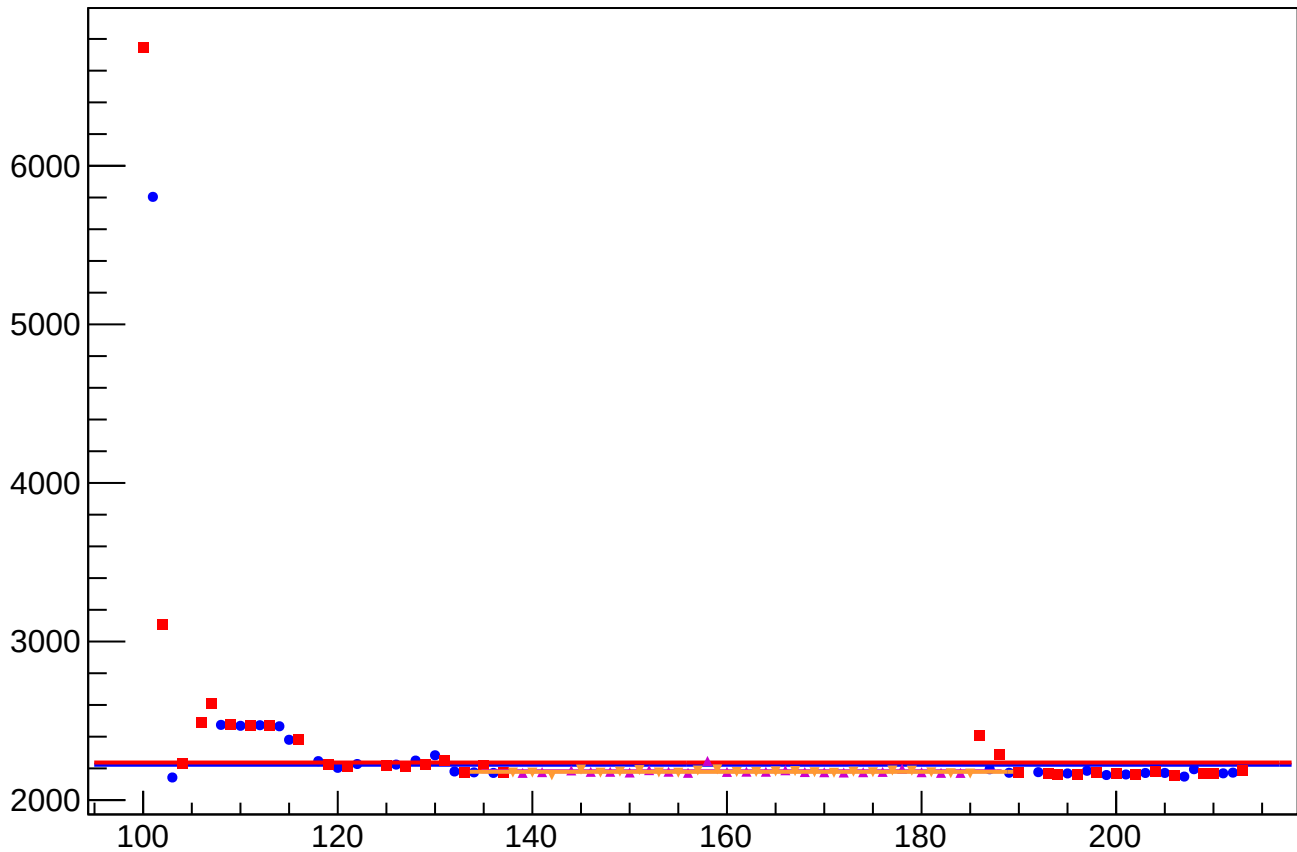
Left In: 544.259 $\pm$ 509.433 χ^2/NDF : 27.9/22

+ sign -673.973 $\pm$ 367.916 χ^2/NDF : 46.5/52

All: -68.191 $\pm$ 258.923 χ^2/NDF : 107.5/107

- sign 526.240 $\pm$ 364.453 χ^2/NDF : 55.6/54

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2222.934+/-0.379 χ^2/NDF : 545339.2/28

Left Out: 2178.503+/-0.358 χ^2/NDF : 456.1/23

Right Out: 2237.019+/-0.369 χ^2/NDF : 216325.7/31

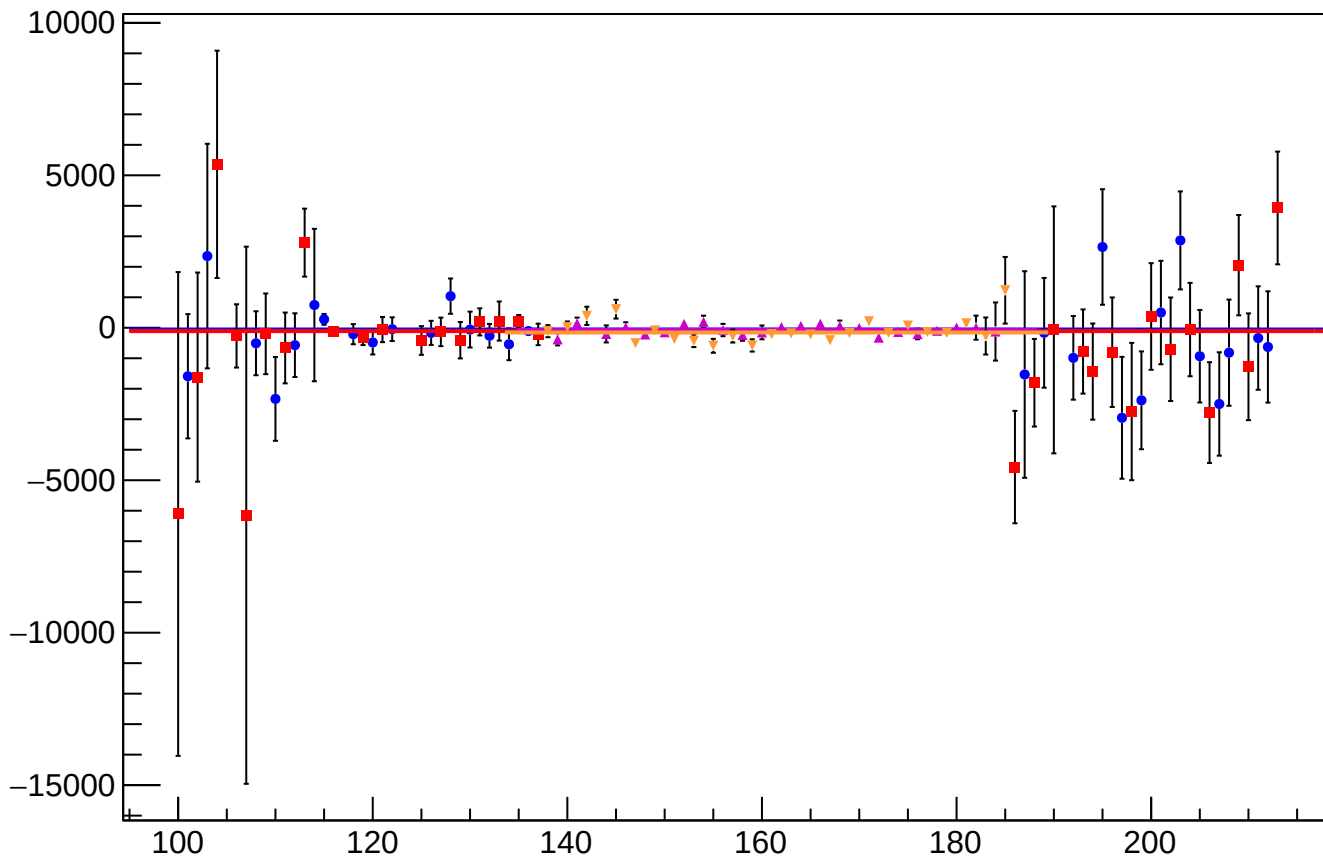
Left In: 2181.882+/-0.360 χ^2/NDF : 1838.2/22

+ sign 2199.409+/-0.260 χ^2/NDF : 553061.6/52

All: 2204.149+/-0.183 χ^2/NDF : 783320.3/107

- sign 2208.799+/-0.258 χ^2/NDF : 229601.0/54

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -56.805 ± 90.742 χ^2/NDF : 27.1/28

Left Out: -154.726 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -109.753 ± 84.617 χ^2/NDF : 34.5/31

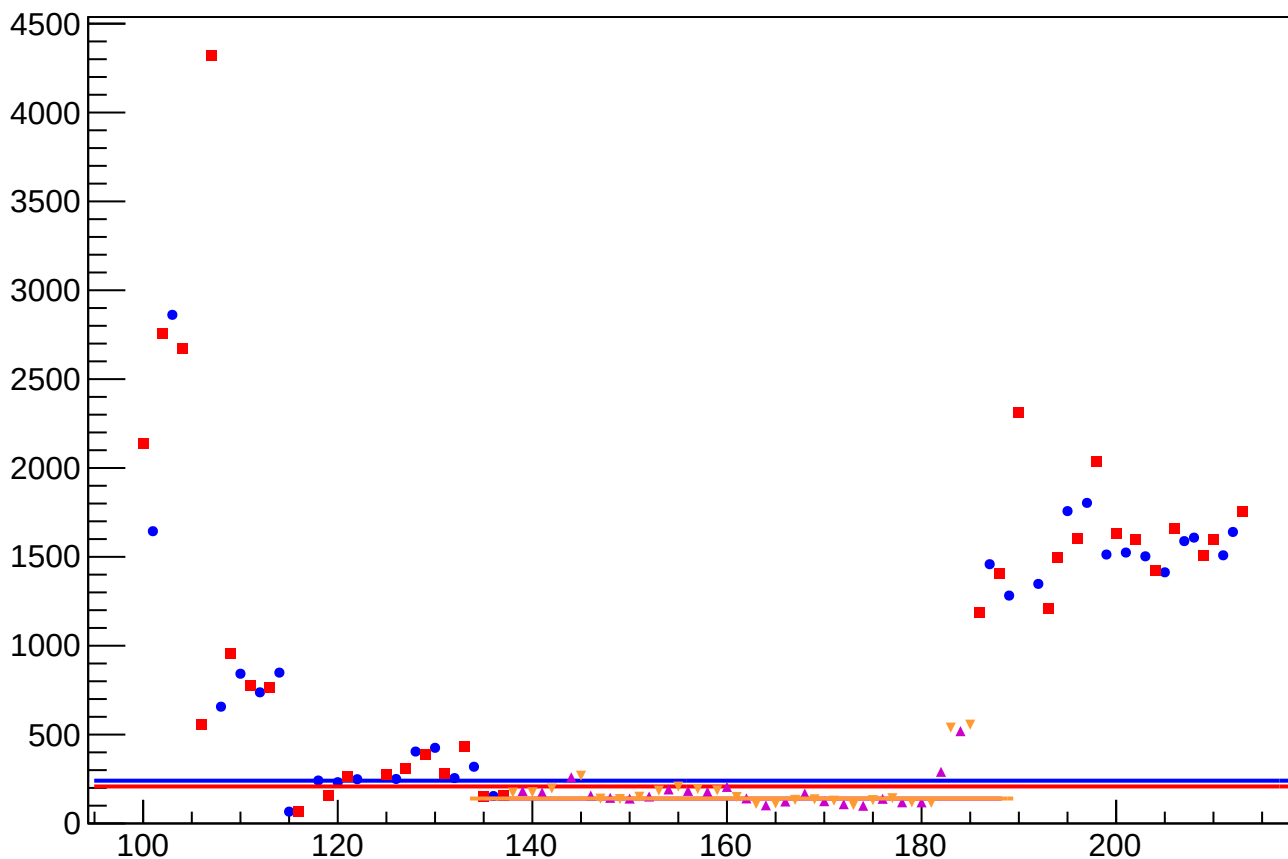
Left In: -70.141 ± 34.204 χ^2/NDF : 18.9/22

+ sign -142.634 ± 31.888 χ^2/NDF : 75.4/52

All: -108.983 ± 22.486 χ^2/NDF : 131.3/107

- sign -75.704 ± 31.712 χ^2/NDF : 53.6/54

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 240.649 $\pm$ 0.064 χ^2 /NDF: 20506466.0/28

Left Out: 140.319 $\pm$ 0.024 χ^2 /NDF: 2760280.2/23

Right Out: 208.166 $\pm$ 0.060 χ^2 /NDF: 24417697.0/31

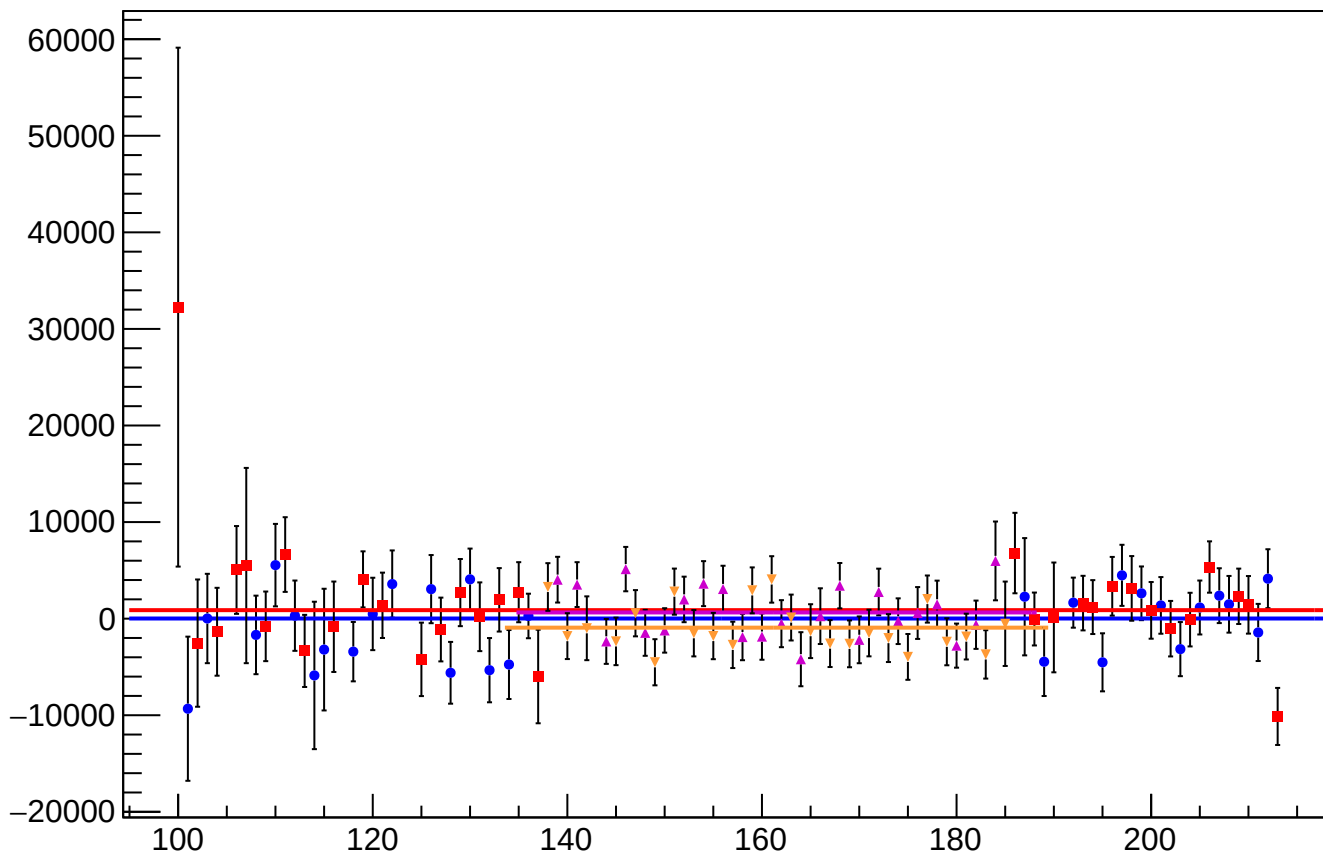
Left In: 139.979 $\pm$ 0.024 χ^2 /NDF: 2412509.5/22

+ sign 152.709 $\pm$ 0.023 χ^2 /NDF: 25409793.1/52

All: 151.124 $\pm$ 0.016 χ^2 /NDF: 53366168.9/10

- sign 149.556 $\pm$ 0.022 χ^2 /NDF: 27946541.1/54

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 14.988 ± 617.742 χ^2/NDF : 28.4/28

Left Out: -932.002 ± 507.717 χ^2/NDF : 22.4/23

Right Out: 880.689 ± 609.738 χ^2/NDF : 33.8/31

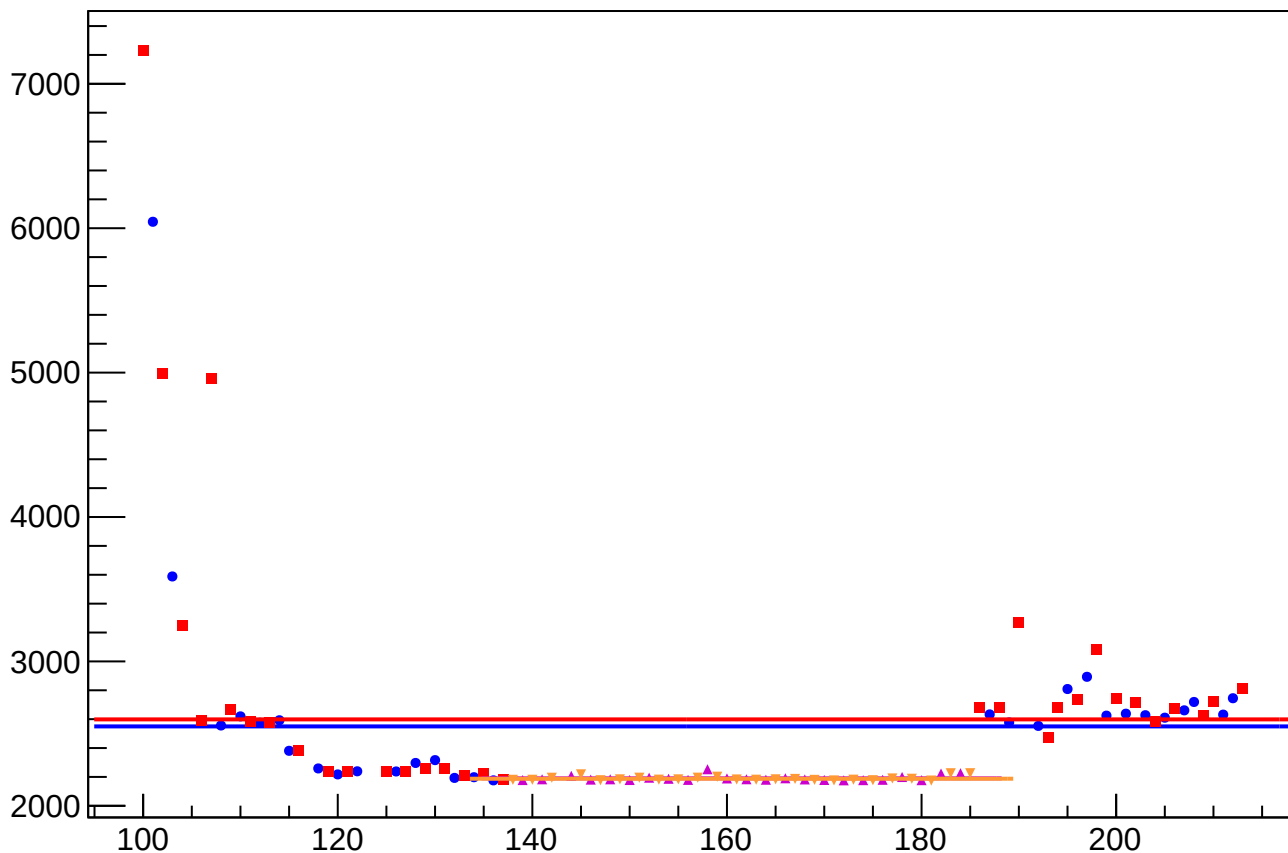
Left In: 642.773 ± 511.372 χ^2/NDF : 27.0/22

+ sign -550.209 ± 392.237 χ^2/NDF : 52.2/52

All: 96.097 ± 277.204 χ^2/NDF : 118.5/107

- sign 741.016 ± 391.816 χ^2/NDF : 60.9/54

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2549.881+/-0.437 χ^2/NDF : 789077.5/28

Left Out: 2187.620+/-0.359 χ^2/NDF :1342.1/23

Right Out: 2598.521+/-0.431 χ^2/NDF : 789705.0/31

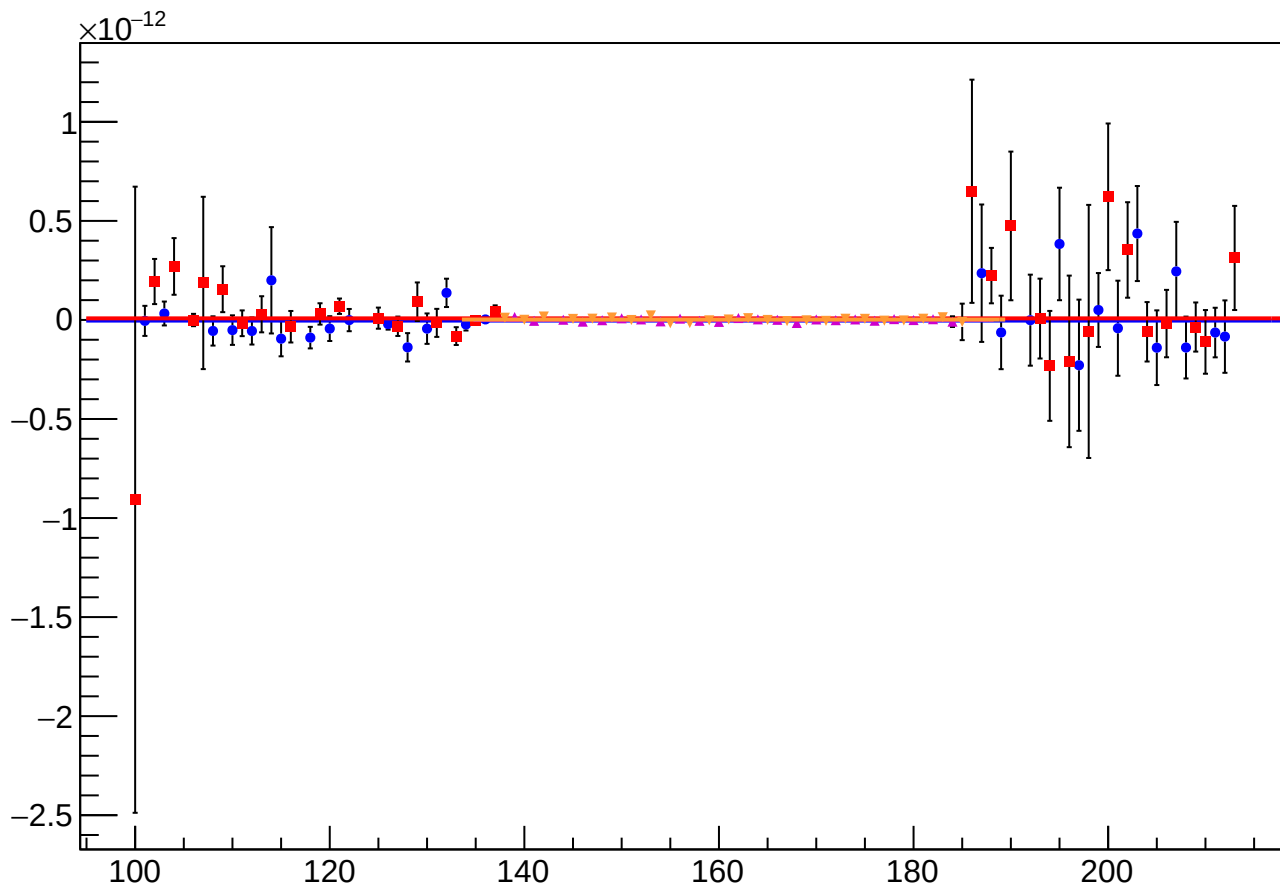
Left In: 2190.163+/-0.362 χ^2/NDF :2542.8/22

+ sign 2333.671+/-0.277 χ^2/NDF : 1200918.8/52

All: 2346.242+/-0.196 χ^2/NDF : 2523912.8/10

- sign 2358.787+/-0.277 χ^2/NDF : 1318889.5/54

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.6/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 19.4/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.2/31

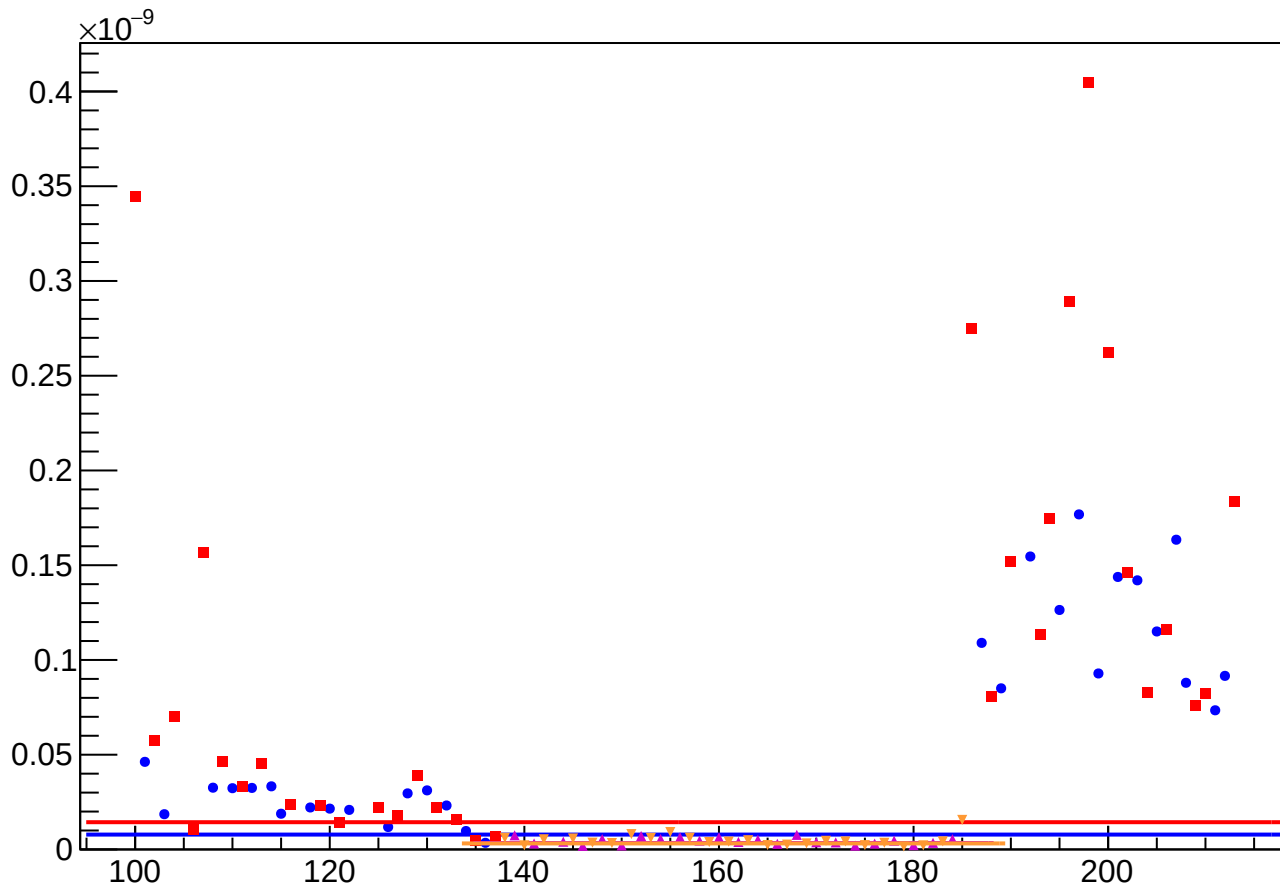
Left In: 0.000 ± 0.000 χ^2/NDF : 13.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 44.7/52

All: 0.000 ± 0.000 χ^2/NDF : 91.1/107

- sign 0.000 ± 0.000 χ^2/NDF : 46.1/54

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9737097.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2065501.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11041825.1/31

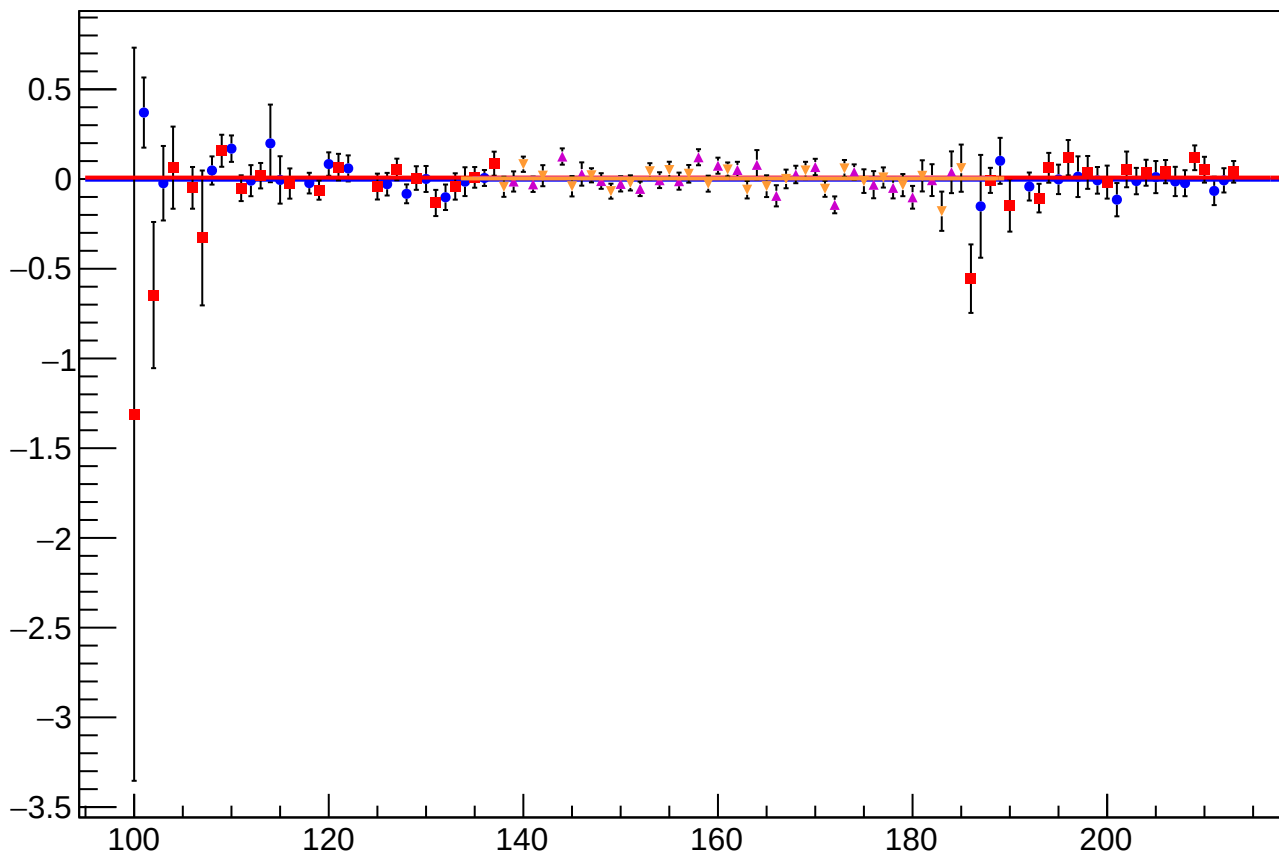
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1703481.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12856459.5/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 28172852.3/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15285858.1/54

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 20.9/28

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.008 ± 0.014 χ^2/NDF : 34.3/31

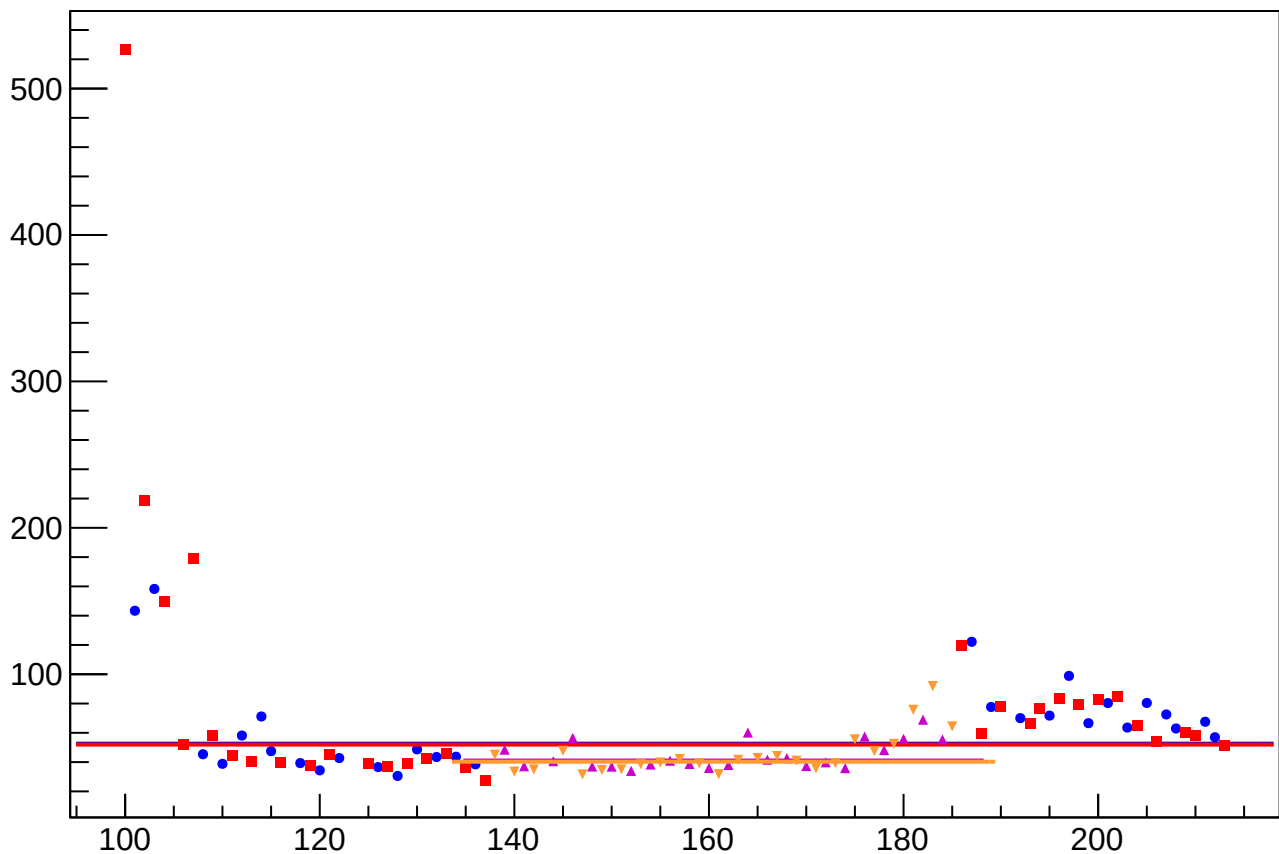
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.001 ± 0.008 χ^2/NDF : 42.9/52

All: 0.004 ± 0.006 χ^2/NDF : 118.9/107

- sign 0.006 ± 0.008 χ^2/NDF : 75.8/54

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.591 $\pm$ 0.010 χ^2 /NDF: 3570936.3/28

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489065.3/23

Right Out: 51.968 $\pm$ 0.010 χ^2 /NDF: 3573195.9/31

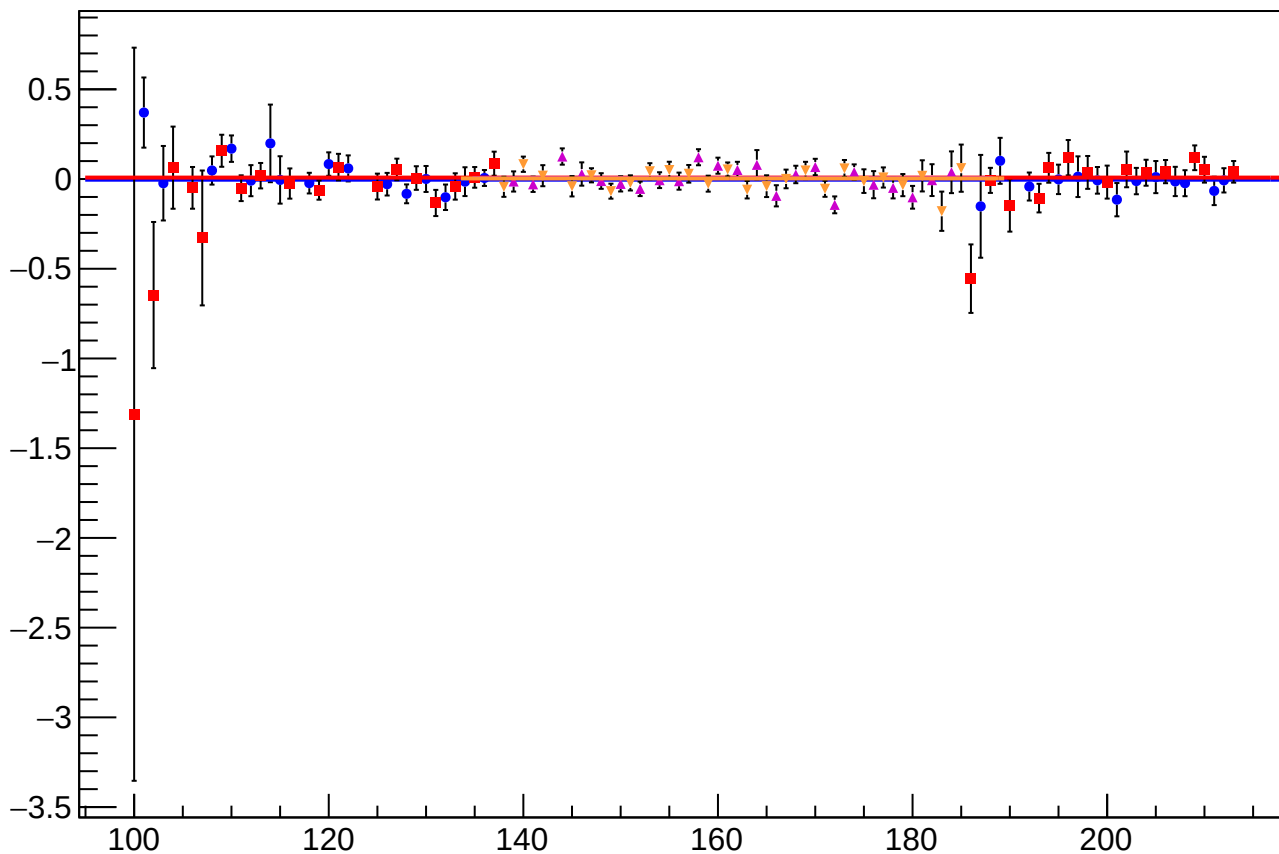
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926843.9/22

+ sign 44.463 $\pm$ 0.006 χ^2 /NDF: 6018791.6/52

All: 44.728 $\pm$ 0.004 χ^2 /NDF: 11286207.2/107

- sign 44.994 $\pm$ 0.006 χ^2 /NDF: 5263460.8/54

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 20.9/28

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.008 ± 0.014 χ^2/NDF : 34.3/31

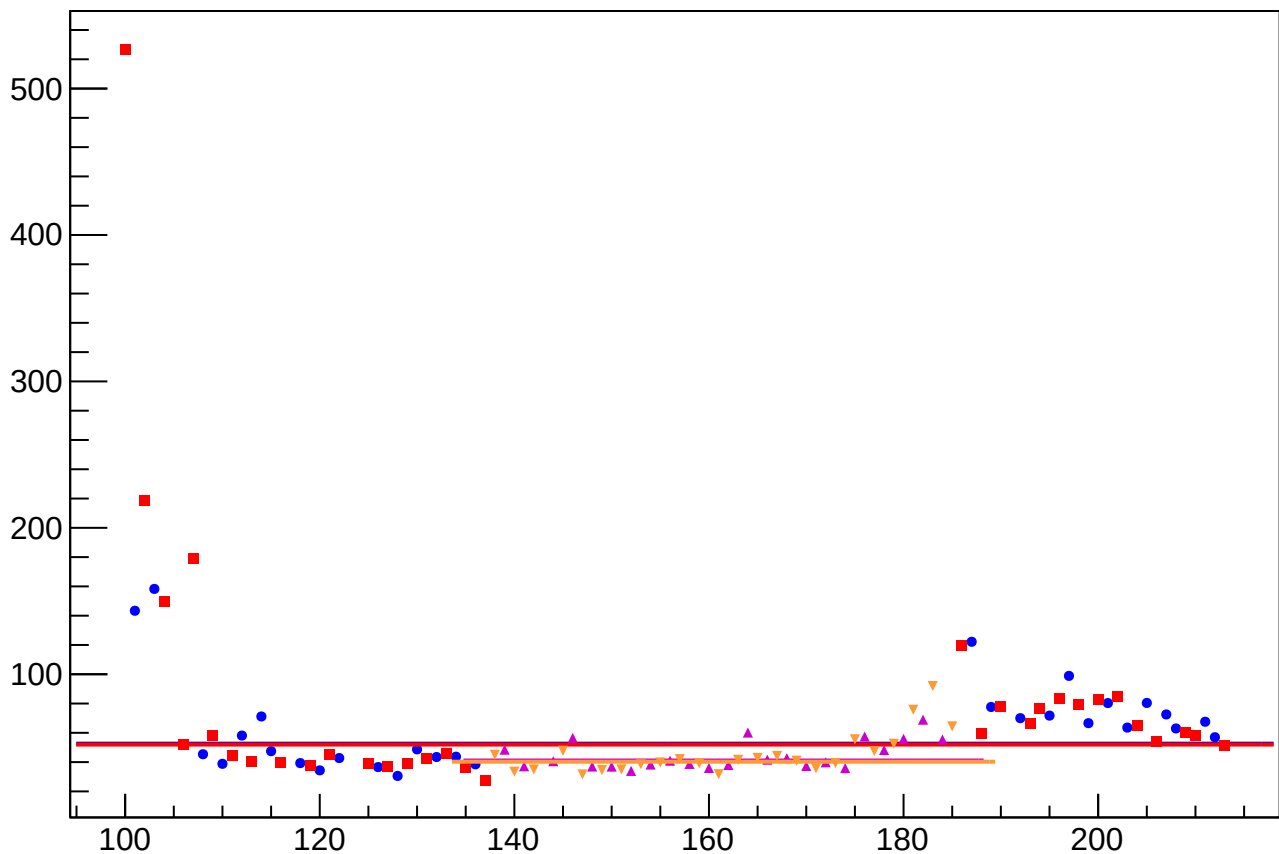
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.001 ± 0.008 χ^2/NDF : 42.9/52

All: 0.004 ± 0.006 χ^2/NDF : 118.9/107

- sign 0.006 ± 0.008 χ^2/NDF : 75.8/54

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.591+/-0.010 χ^2/NDF : 3570936.3/28

Left Out: 40.277+/-0.007 χ^2/NDF : 1489065.3/23

Right Out: 51.968+/-0.010 χ^2/NDF : 3573195.9/31

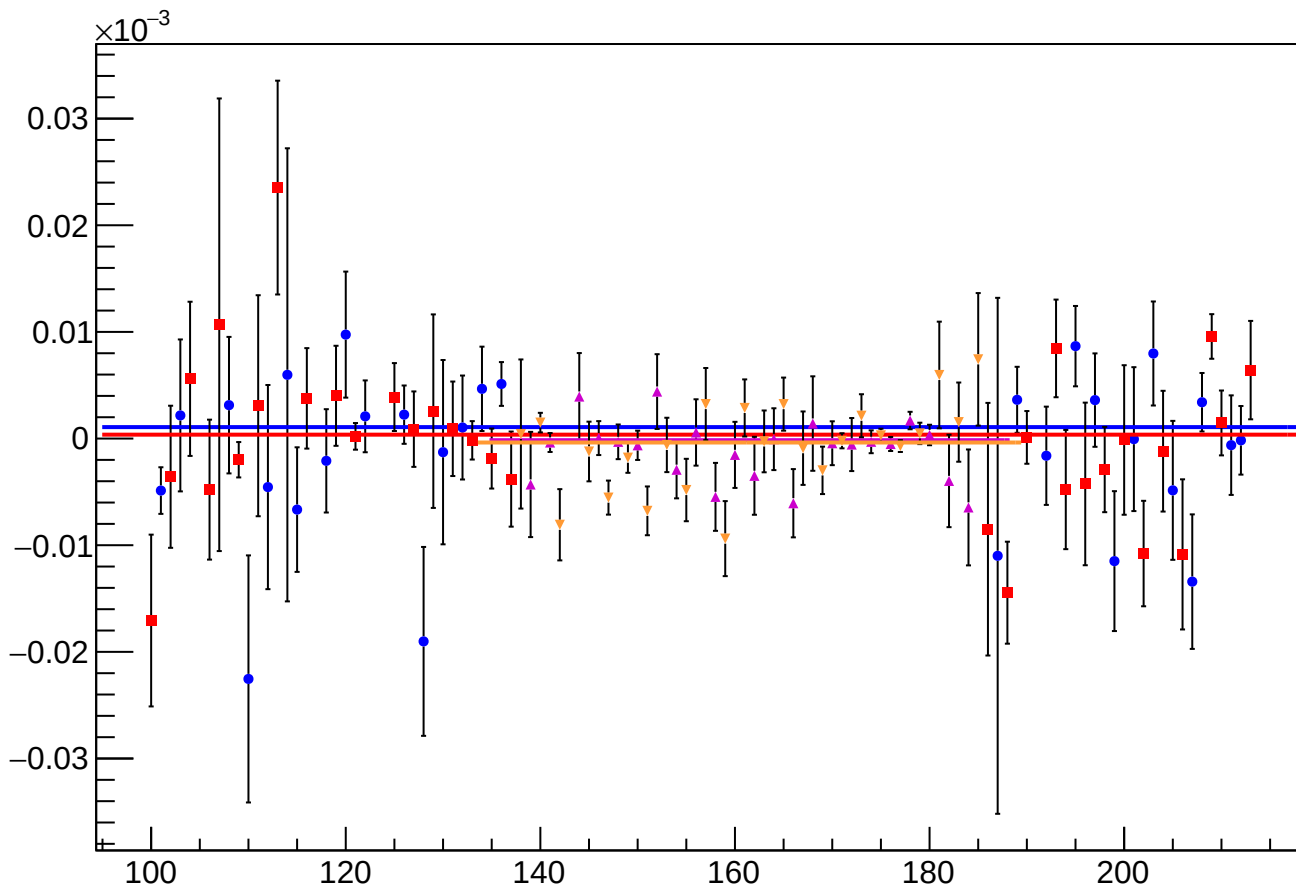
Left In: 41.082+/-0.007 χ^2/NDF : 926843.9/22

+ sign 44.463+/-0.006 χ^2/NDF : 6018791.6/52

All: 44.728+/-0.004 χ^2/NDF : 11286207.2/107

- sign 44.994+/-0.006 χ^2/NDF : 5263460.8/54

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 45.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 51.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 62.0/31

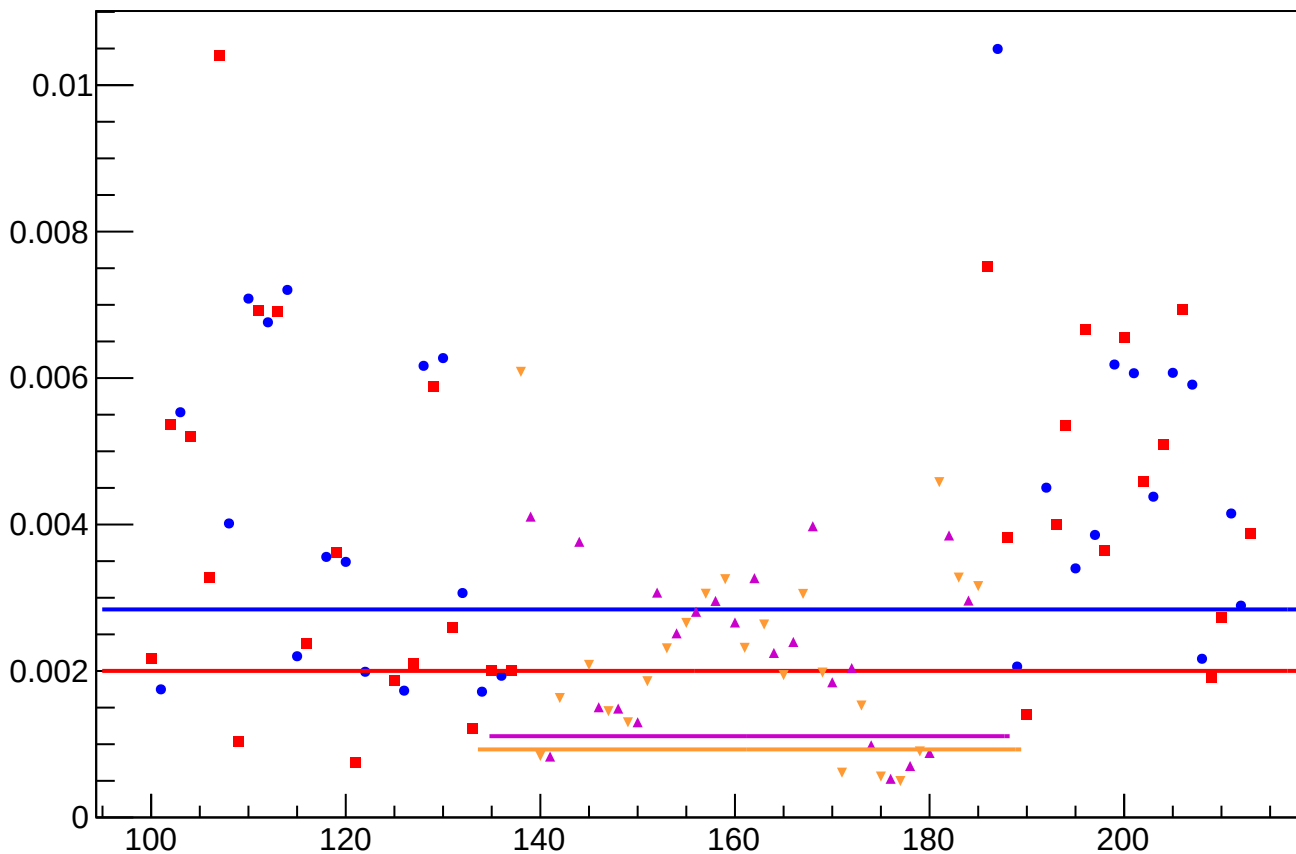
Left In: -0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 99.3/52

All: -0.000 ± 0.000 χ^2/NDF : 182.0/107

- sign -0.000 ± 0.000 χ^2/NDF : 82.5/54

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6402705.3/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:12568645.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 12381736.7/31

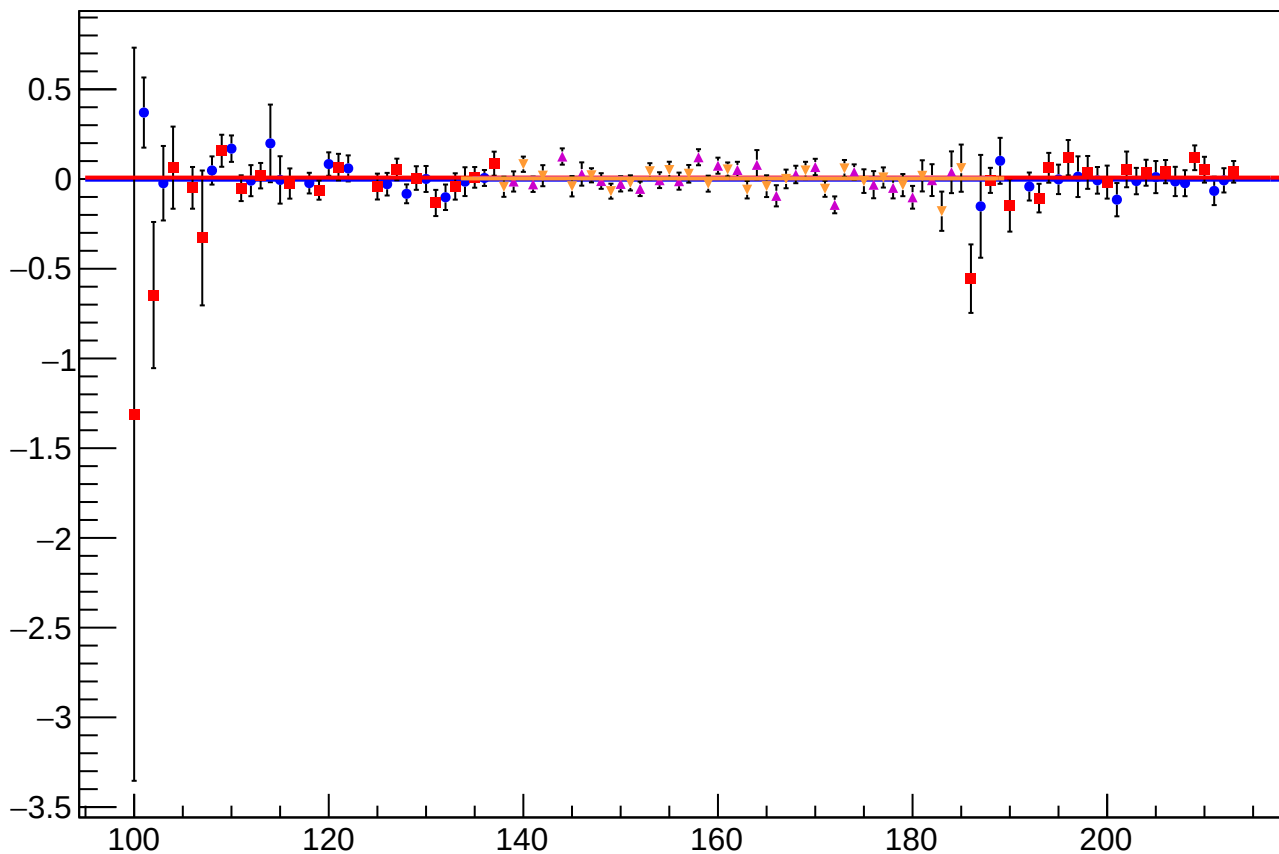
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:10930077.0/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 29683310.5/52

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 56803502.7/107

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 26768645.5/54

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 χ^2/NDF : 20.9/28

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: 0.008 ± 0.014 χ^2/NDF : 34.3/31

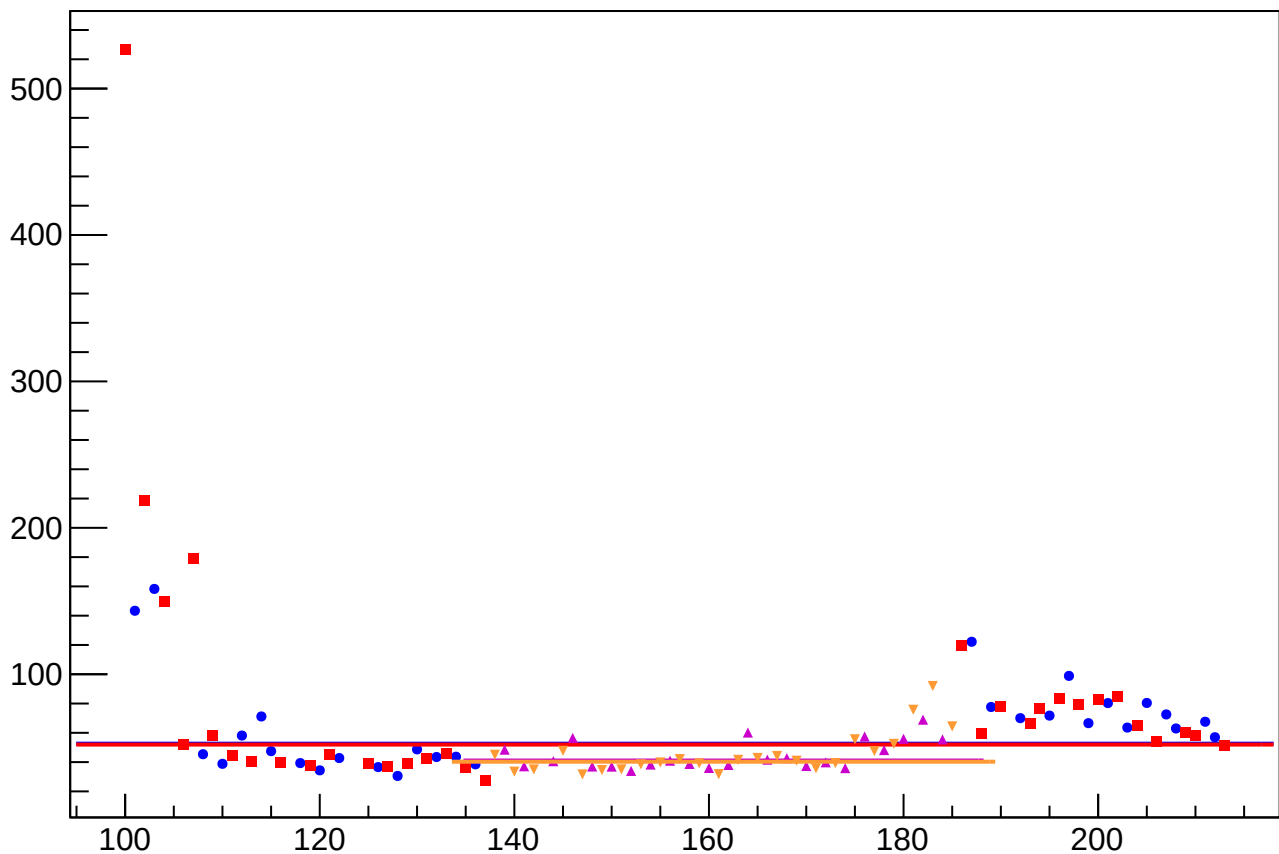
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.001 ± 0.008 χ^2/NDF : 42.9/52

All: 0.004 ± 0.006 χ^2/NDF : 118.9/107

- sign 0.006 ± 0.008 χ^2/NDF : 75.8/54

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.589 $\pm$ 0.010 χ^2 /NDF: 3571567.5/28

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 51.969 $\pm$ 0.010 χ^2 /NDF: 3573159.0/31

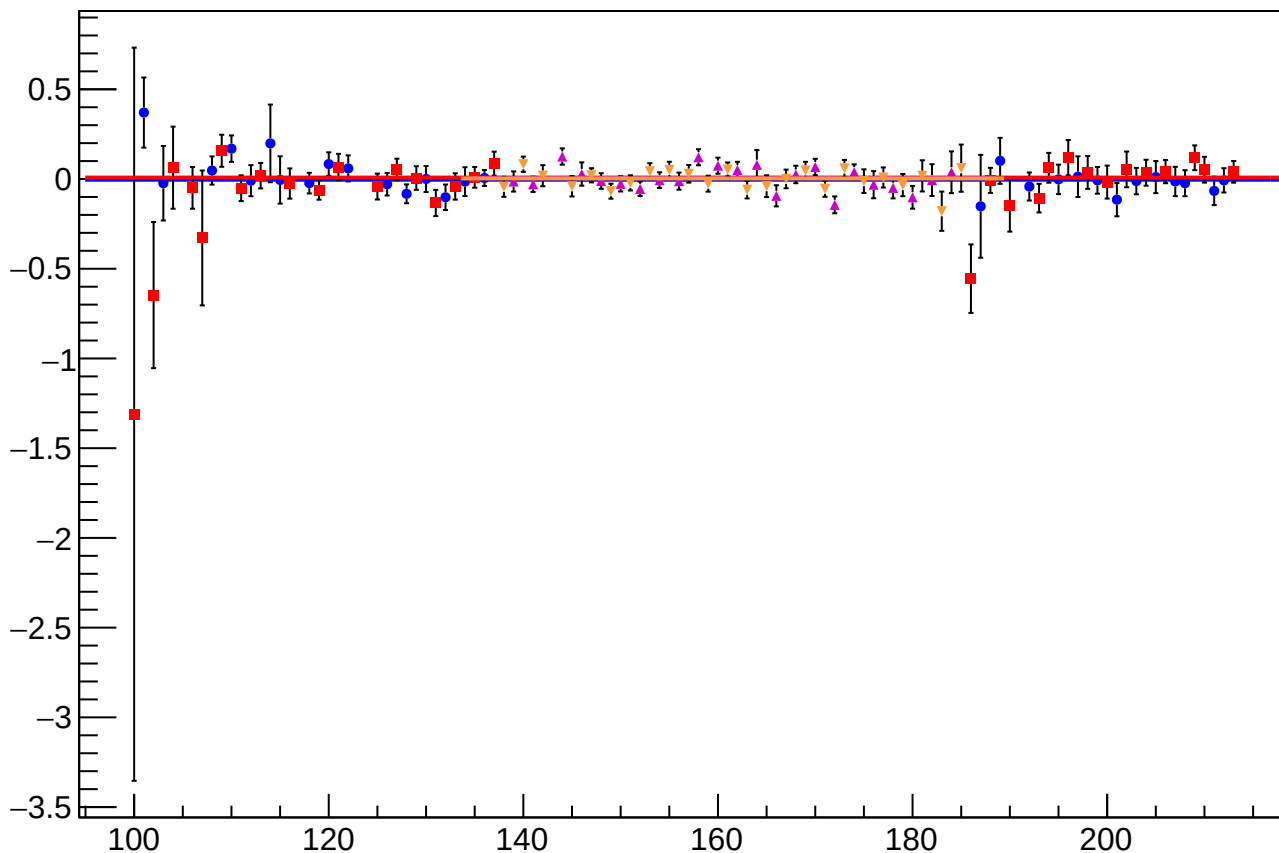
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 44.463 $\pm$ 0.006 χ^2 /NDF: 6019117.0/52

All: 44.727 $\pm$ 0.004 χ^2 /NDF: 11286625.0/107

- sign 44.994 $\pm$ 0.006 χ^2 /NDF: 5263543.4/54

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.014 $\chi^2/\text{NDF}: 20.9/28$

Left Out: 0.003 ± 0.010 $\chi^2/\text{NDF}: 21.8/23$

Right Out: 0.008 ± 0.014 $\chi^2/\text{NDF}: 34.3/31$

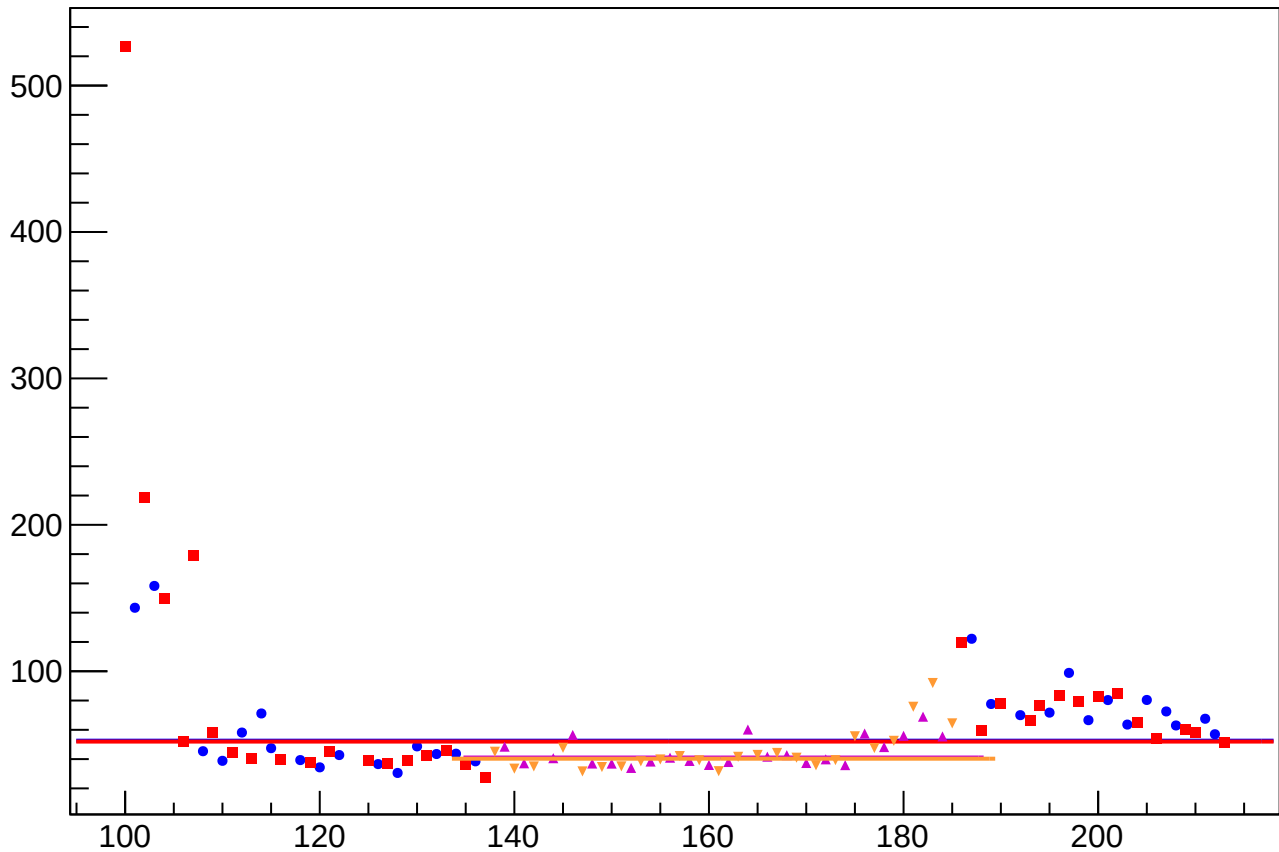
Left In: 0.005 ± 0.011 $\chi^2/\text{NDF}: 41.4/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 42.9/52$

All: 0.004 ± 0.006 $\chi^2/\text{NDF}: 118.9/107$

- sign 0.006 ± 0.008 $\chi^2/\text{NDF}: 75.8/54$

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.589 $\pm$ 0.010 χ^2 /NDF: 3571567.5/28

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 51.969 $\pm$ 0.010 χ^2 /NDF: 3573159.0/31

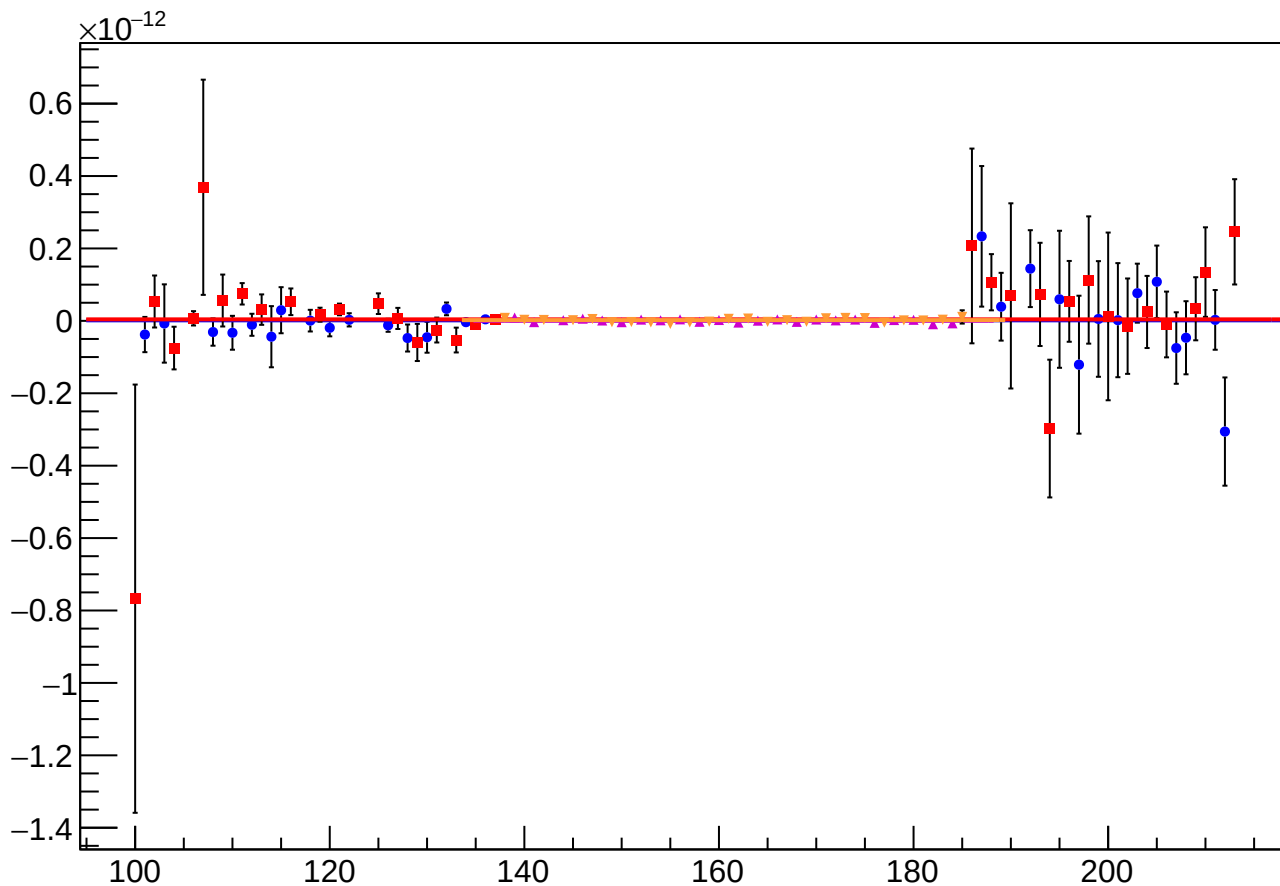
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 44.463 $\pm$ 0.006 χ^2 /NDF: 6019117.0/52

All: 44.727 $\pm$ 0.004 χ^2 /NDF: 11286625.0/107

- sign 44.994 $\pm$ 0.006 χ^2 /NDF: 5263543.4/54

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/31

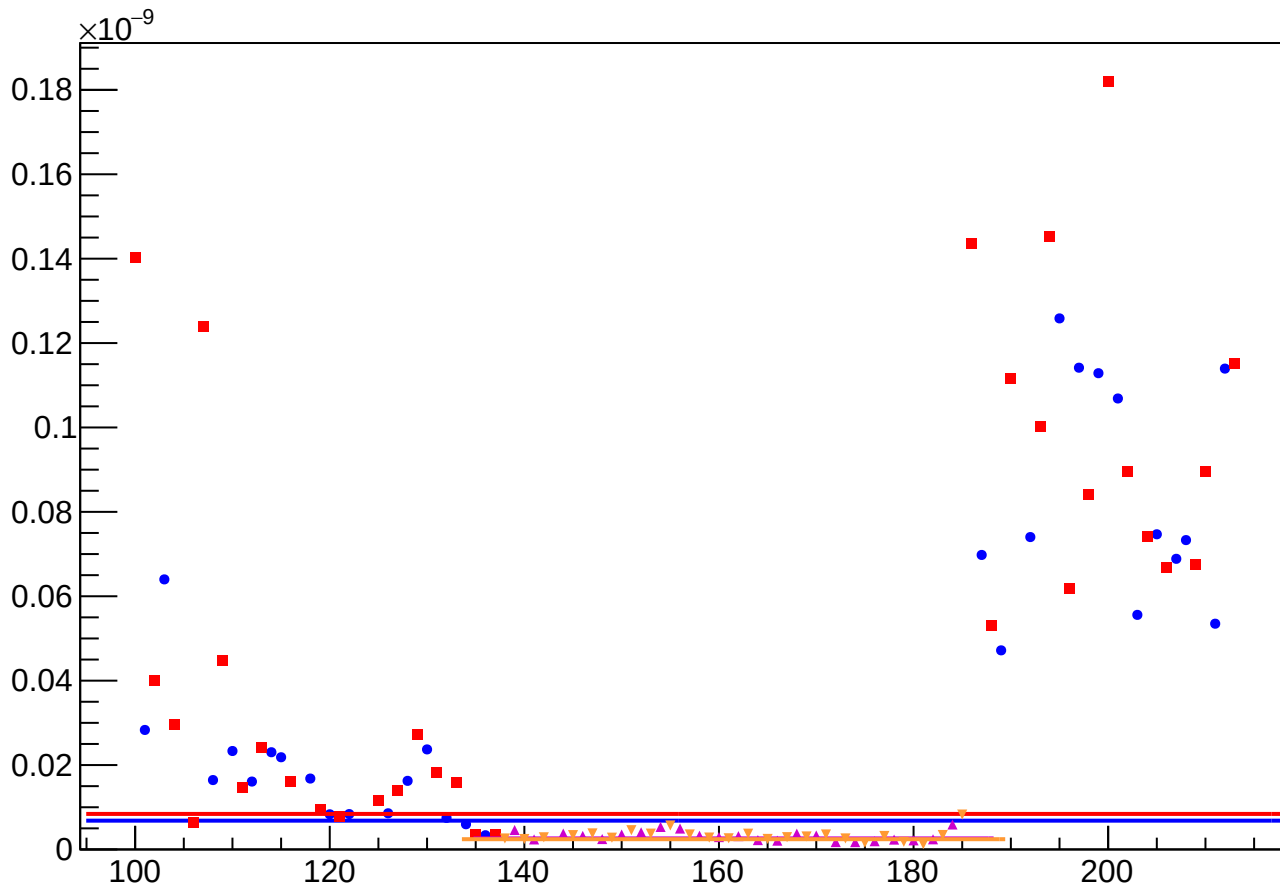
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:23.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.7/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.4/54

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12888798.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 14617694.8/31

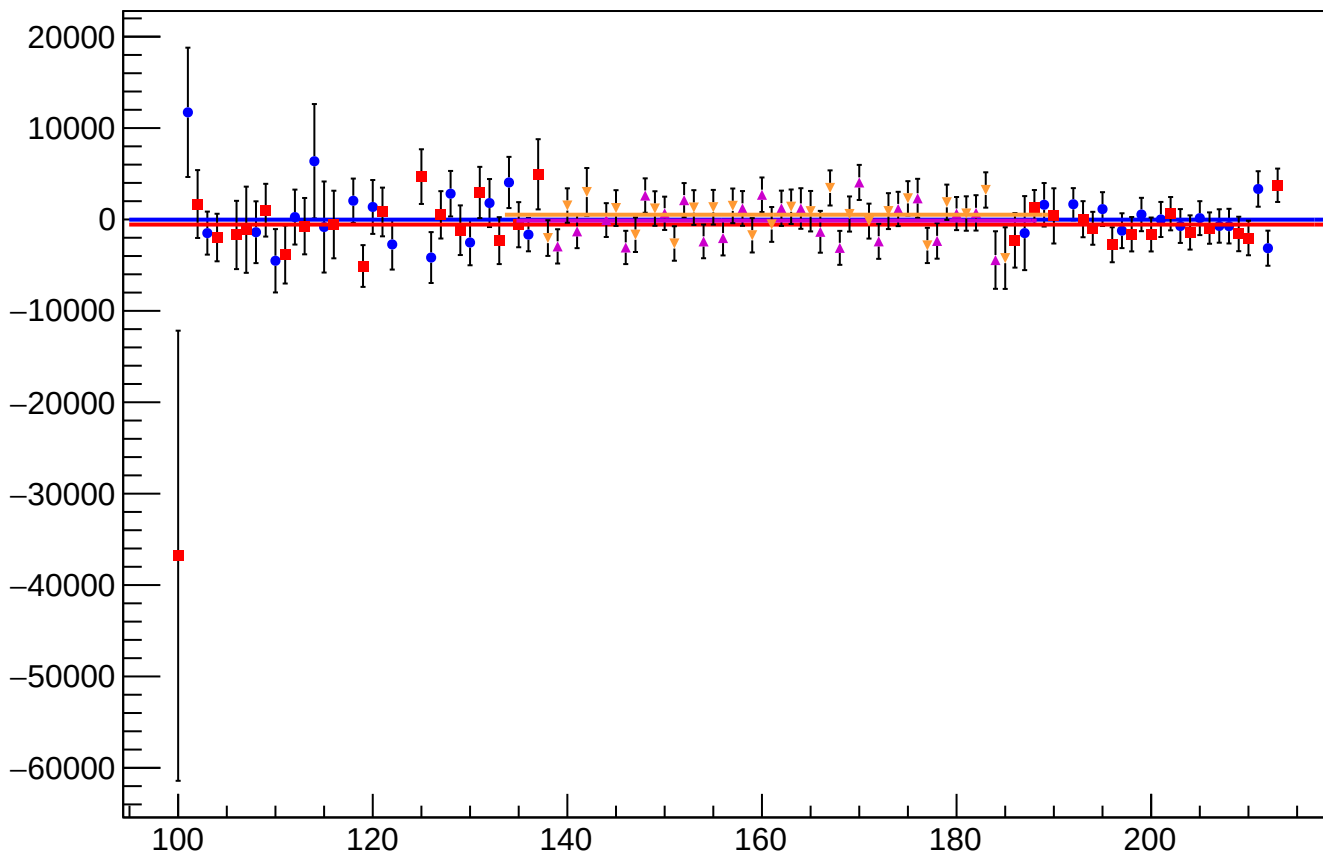
Left In: 0.000+/-0.000 χ^2/NDF : 1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 18127004.2/52

All: 0.000+/-0.000 χ^2/NDF : 37706817.9/107

- sign 0.000+/-0.000 χ^2/NDF : 19524098.0/54

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -20.207 ± 431.026 χ^2/NDF : 24.4/28

Left Out: 519.929 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -557.589 ± 419.543 χ^2/NDF : 26.6/31

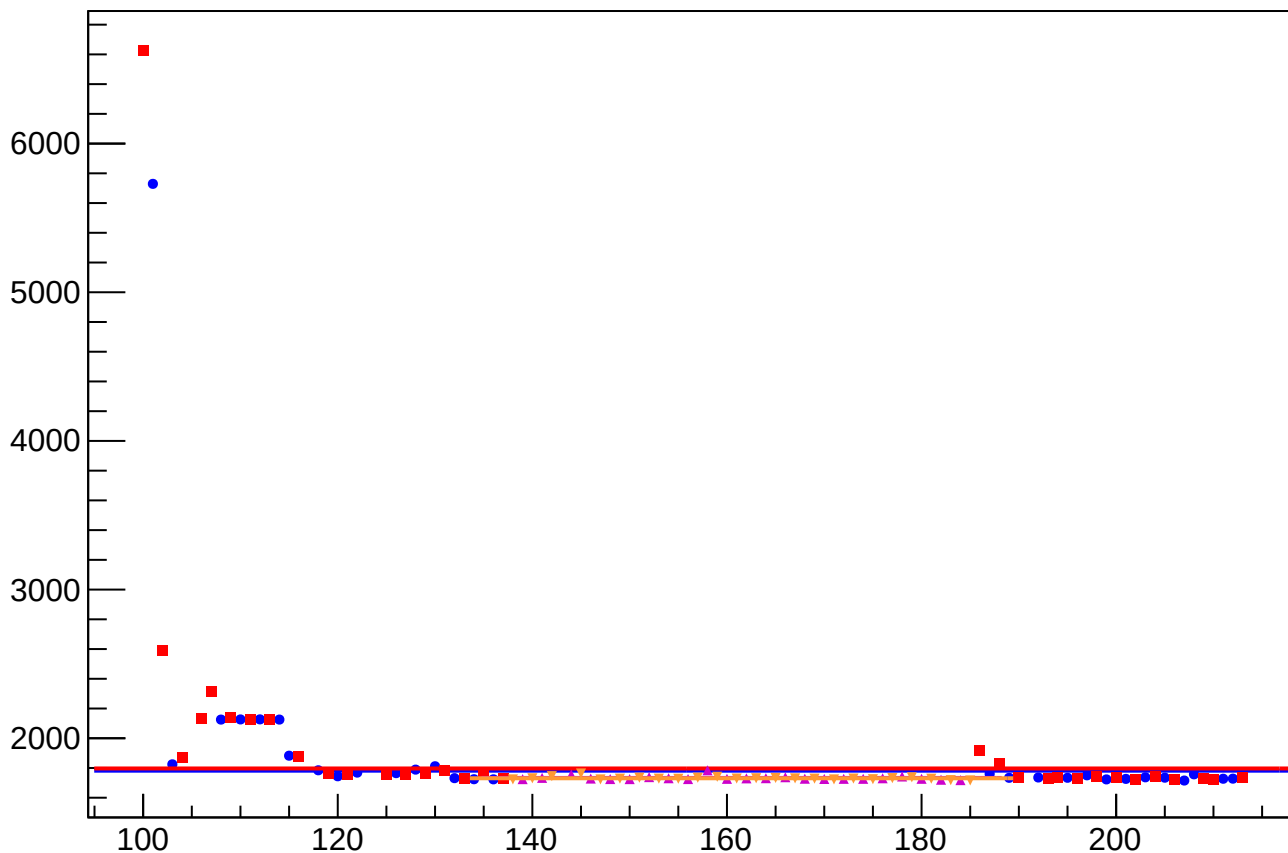
Left In: -126.031 ± 404.630 χ^2/NDF : 29.5/22

+ sign 268.856 ± 293.868 χ^2/NDF : 46.0/52

All: -35.275 ± 206.863 χ^2/NDF : 104.7/107

- sign -334.004 ± 291.246 χ^2/NDF : 56.6/54

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1781.953+/-0.305 χ^2/NDF : 717578.7/28

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1796.716+/-0.297 χ^2/NDF : 319956.5/31

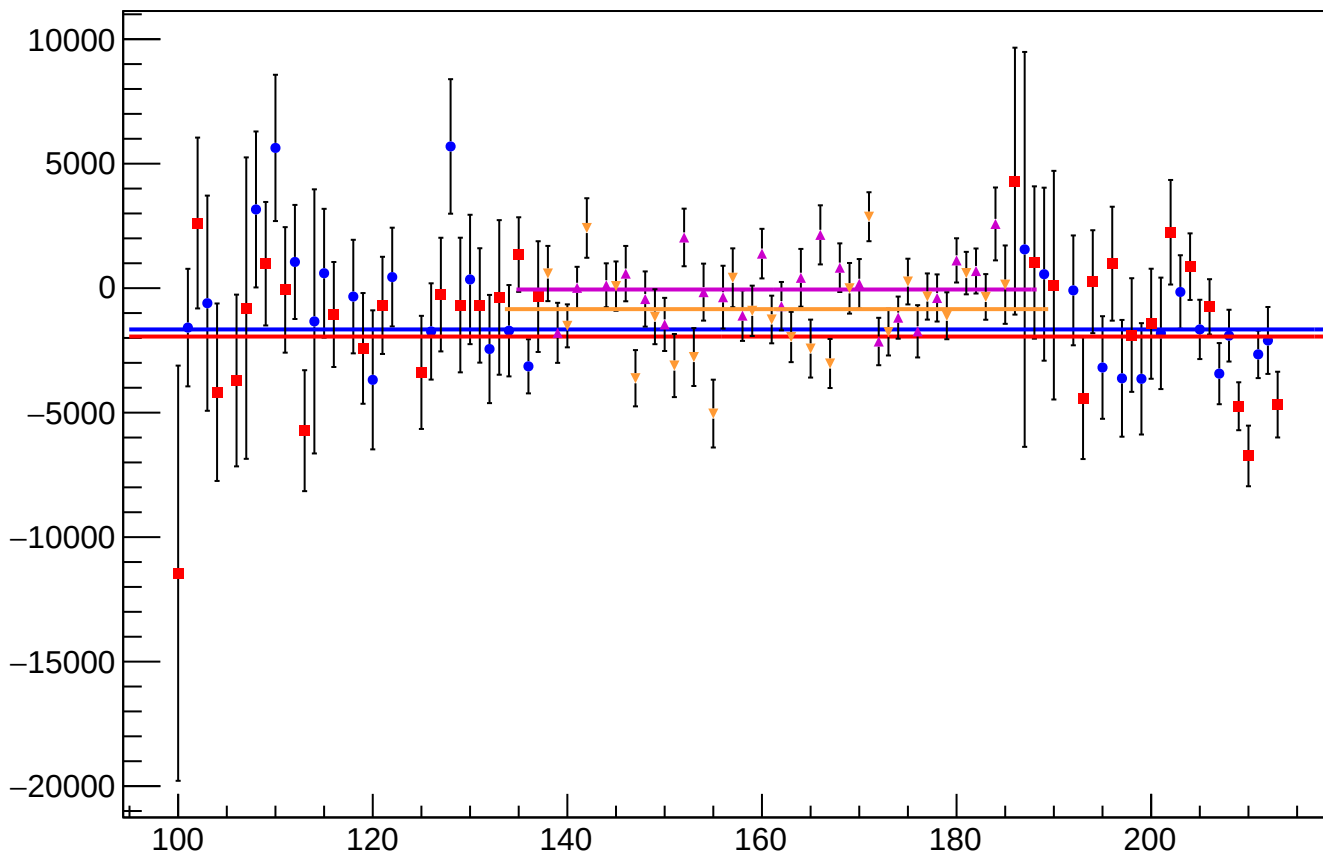
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1754.603+/-0.208 χ^2/NDF : 733595.5/52

All: 1759.197+/-0.146 χ^2/NDF : 1080651.6/10

- sign 1763.709+/-0.206 χ^2/NDF : 346087.3/54

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -1657.621 ± 336.494 χ^2/NDF : 30.2/28

Left Out: -842.437 ± 210.852 χ^2/NDF : 62.7/23

Right Out: -1943.430 ± 352.820 χ^2/NDF : 60.0/31

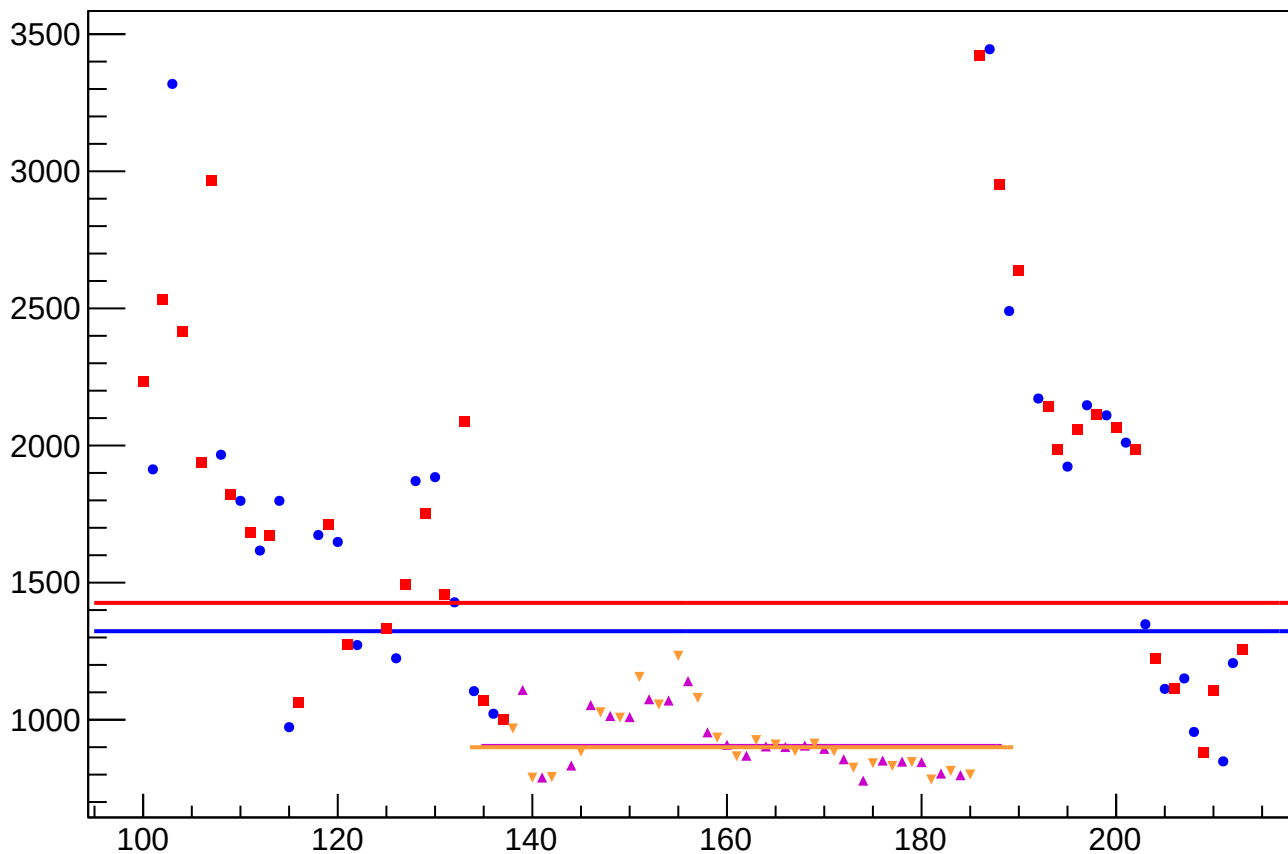
Left In: -53.905 ± 212.966 χ^2/NDF : 30.6/22

+ sign -1072.272 ± 178.673 χ^2/NDF : 97.1/52

All: -820.585 ± 127.613 χ^2/NDF : 212.8/107

- sign -558.500 ± 182.326 χ^2/NDF : 111.6/54

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1322.944+/-0.238 χ^2/NDF : 3595851.3/28

Left Out: 899.811+/-0.149 χ^2/NDF : 495328.4/23

Right Out: 1426.284+/-0.249 χ^2/NDF : 3951796.4/31

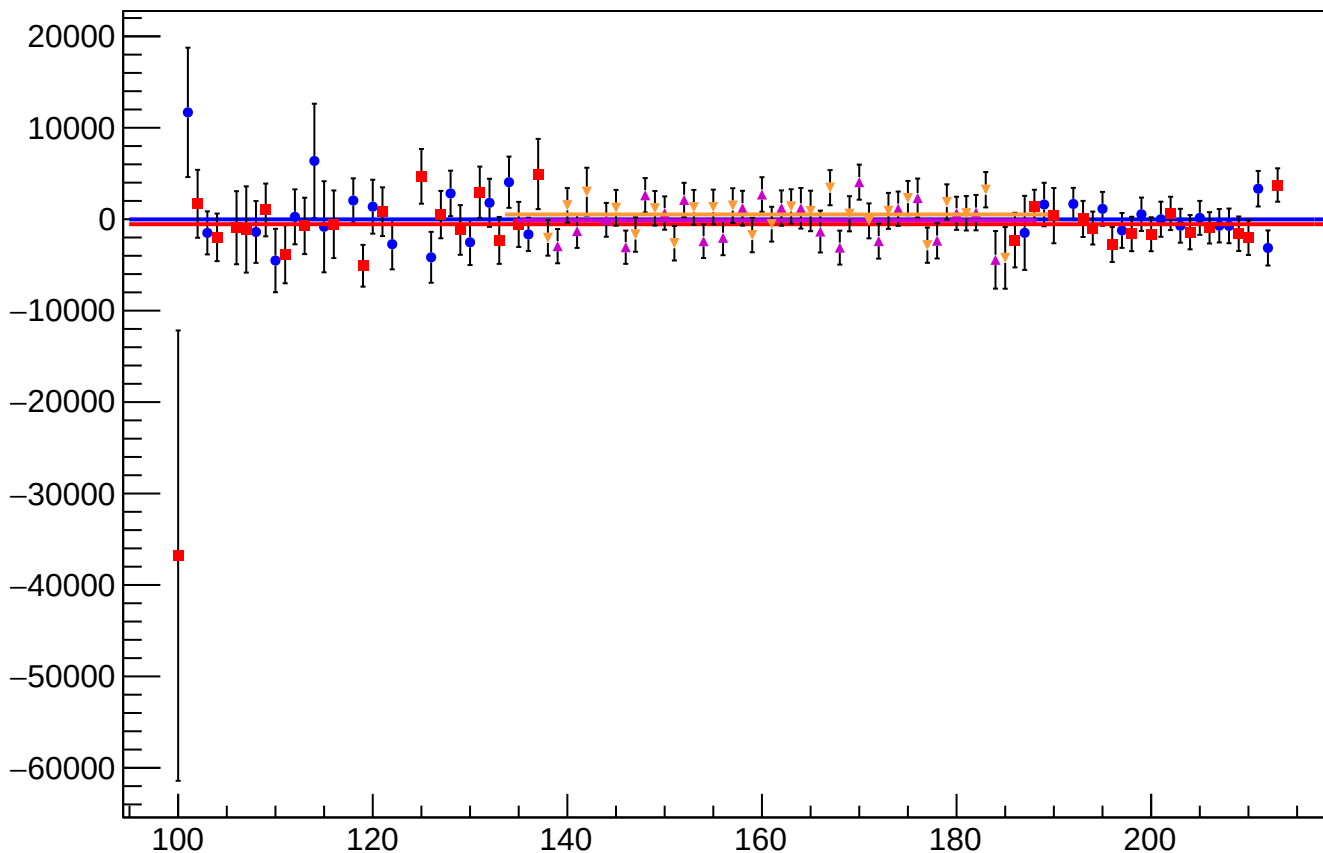
Left In: 904.656+/-0.151 χ^2/NDF : 452251.7/22

+ sign 1019.110+/-0.126 χ^2/NDF : 6362017.3/52

All: 1031.282+/-0.090 χ^2/NDF : 13989228.4/100

- sign 1043.956+/-0.129 χ^2/NDF : 7608265.3/54

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -20.556 ± 431.026 χ^2/NDF : 24.4/28

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -547.462 ± 419.875 χ^2/NDF : 26.5/31

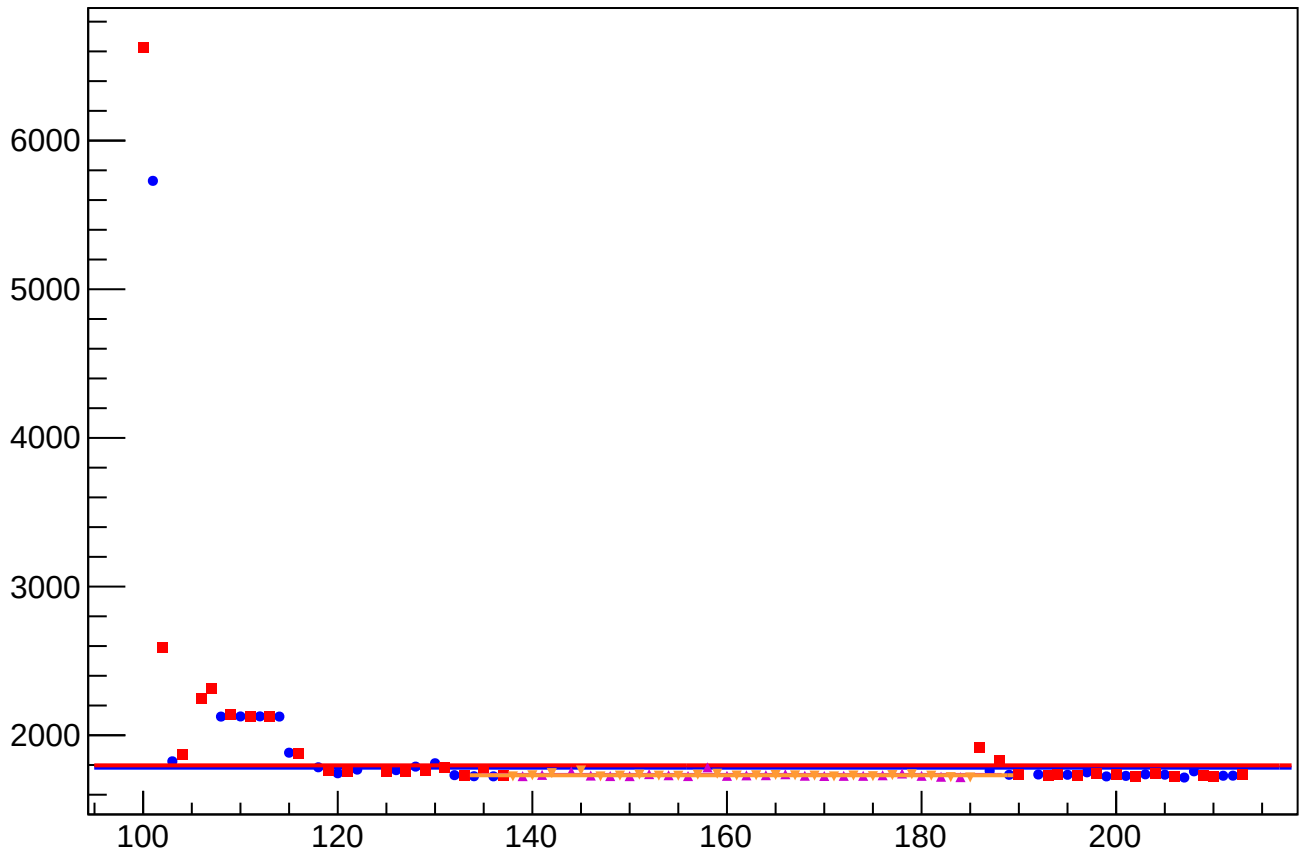
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 268.709 ± 293.868 χ^2/NDF : 46.0/52

All: -32.704 ± 206.903 χ^2/NDF : 104.6/107

- sign -328.988 ± 291.357 χ^2/NDF : 56.5/54

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1781.953+/-0.305 χ^2/NDF : 717578.5/28

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1797.474+/-0.297 χ^2/NDF : 329455.6/31

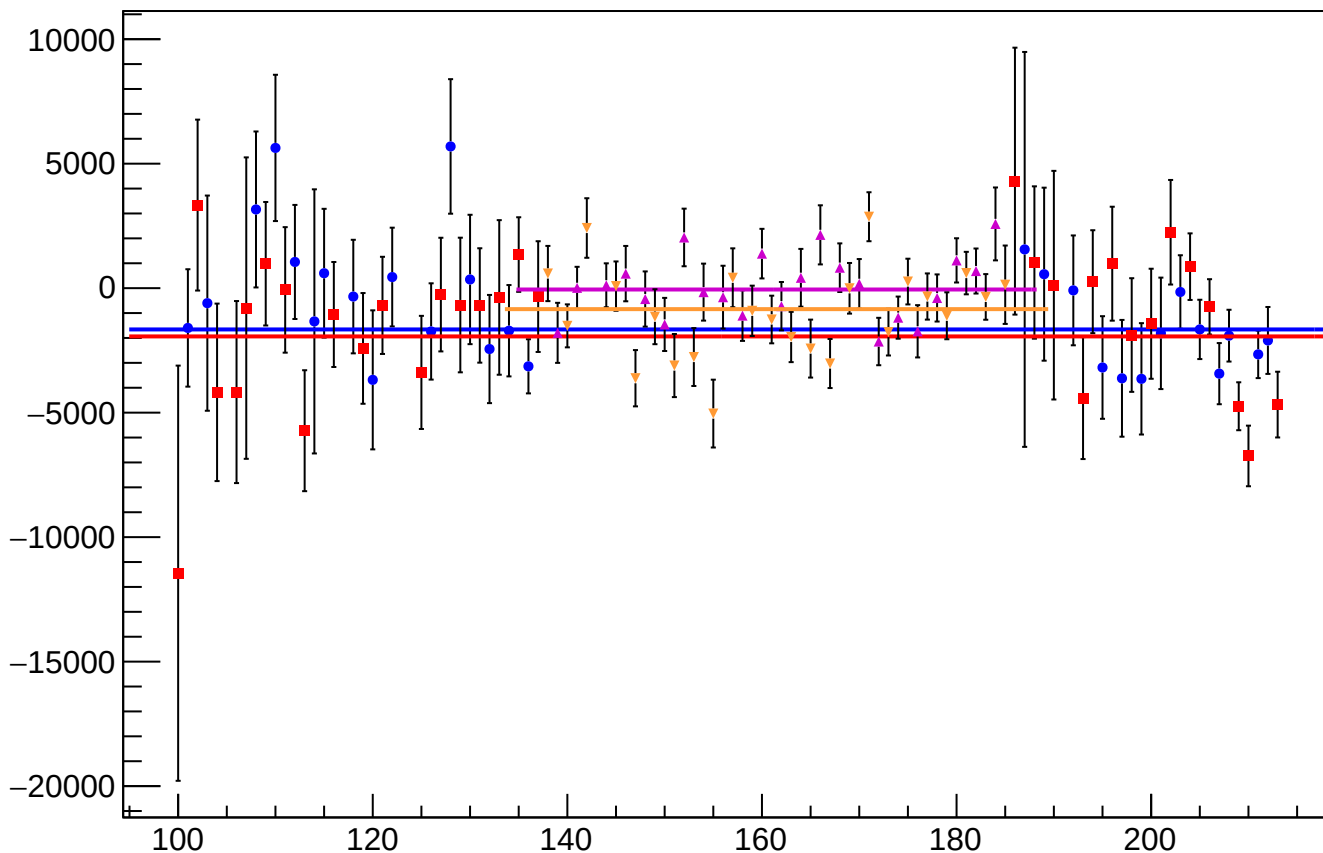
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1754.603+/-0.208 χ^2/NDF : 733595.3/52

All: 1759.366+/-0.146 χ^2/NDF : 1090775.8/10

- sign 1764.049+/-0.206 χ^2/NDF : 356138.3/54

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -1657.870 $\pm$ 336.484 χ^2 /NDF: 30.2/28

Left Out: -842.473 $\pm$ 210.853 χ^2 /NDF:62.7/23

Right Out: -1938.163 $\pm$ 353.021 χ^2 /NDF: 60.7/31

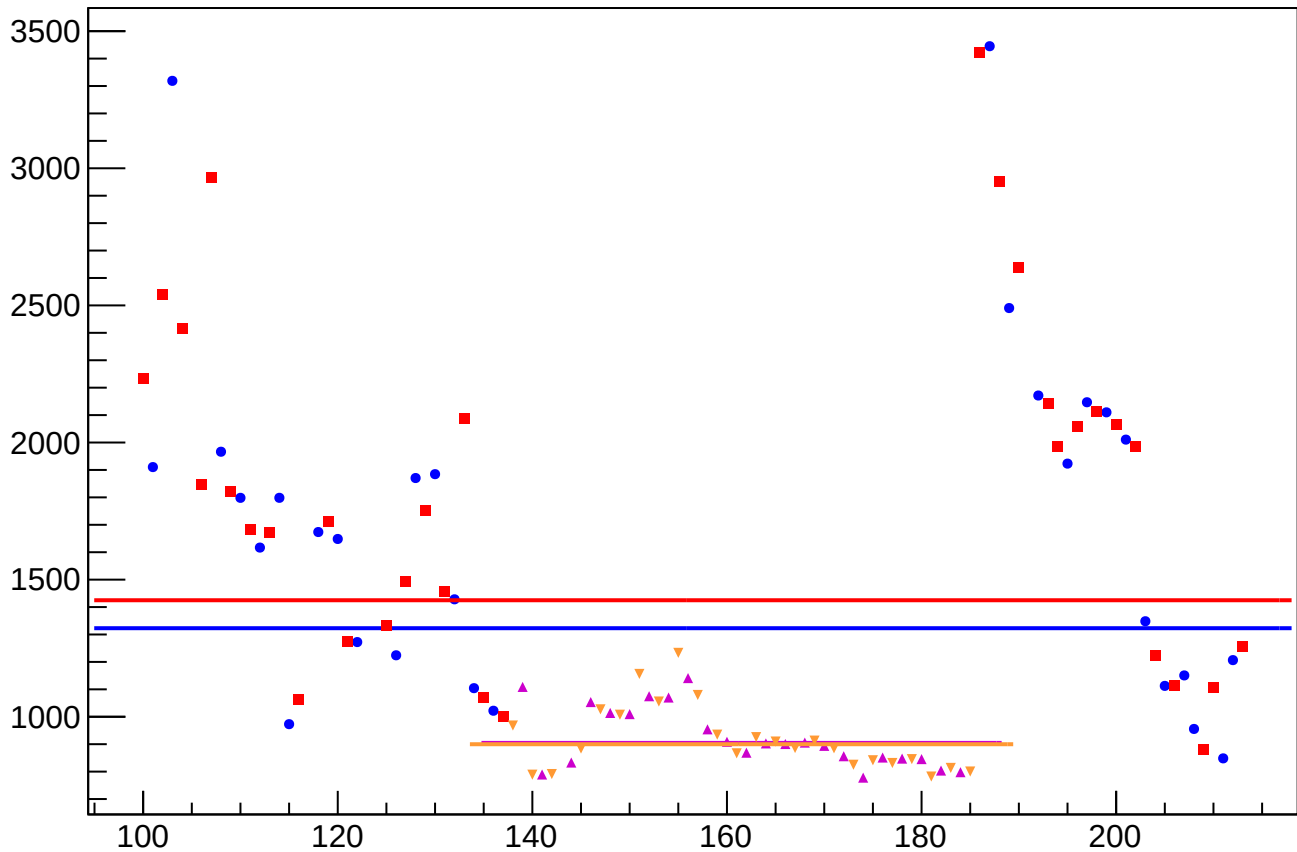
Left In: -53.927 $\pm$ 212.965 χ^2 /NDF:30.6/22

+ sign -1072.379 $\pm$ 178.671 χ^2 /NDF: 97.1/52

All: -819.791 $\pm$ 127.622 χ^2 /NDF: 213.4/107

- sign -556.687 $\pm$ 182.353 χ^2 /NDF: 112.2/54

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1322.917 $\pm$ 0.238 χ^2 /NDF: 3595178.2/28

Left Out: 899.814 $\pm$ 0.149 χ^2 /NDF: 495276.2/23

+ sign 1019.111 $\pm$ 0.126 χ^2 /NDF: 6361075.4/52

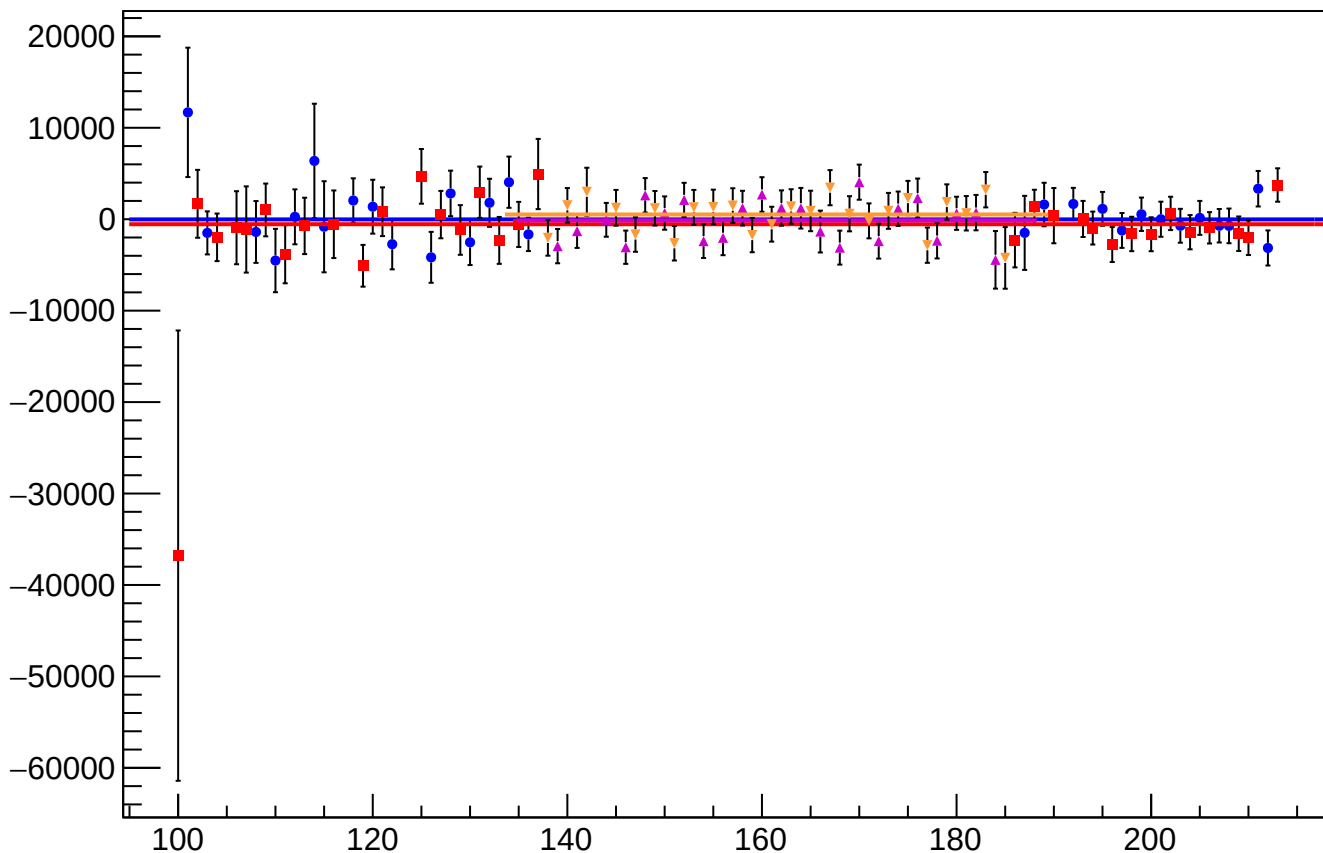
Right Out: 1424.863 $\pm$ 0.250 χ^2 /NDF: 3935973.8/31

All: 1031.036 $\pm$ 0.090 χ^2 /NDF: 13951655.7/1

Left In: 904.653 $\pm$ 0.151 χ^2 /NDF: 452259.2/22

- sign 1043.457 $\pm$ 0.129 χ^2 /NDF: 7572390.5/54

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -20.556 ± 431.026 χ^2/NDF : 24.4/28

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -547.462 ± 419.875 χ^2/NDF : 26.5/31

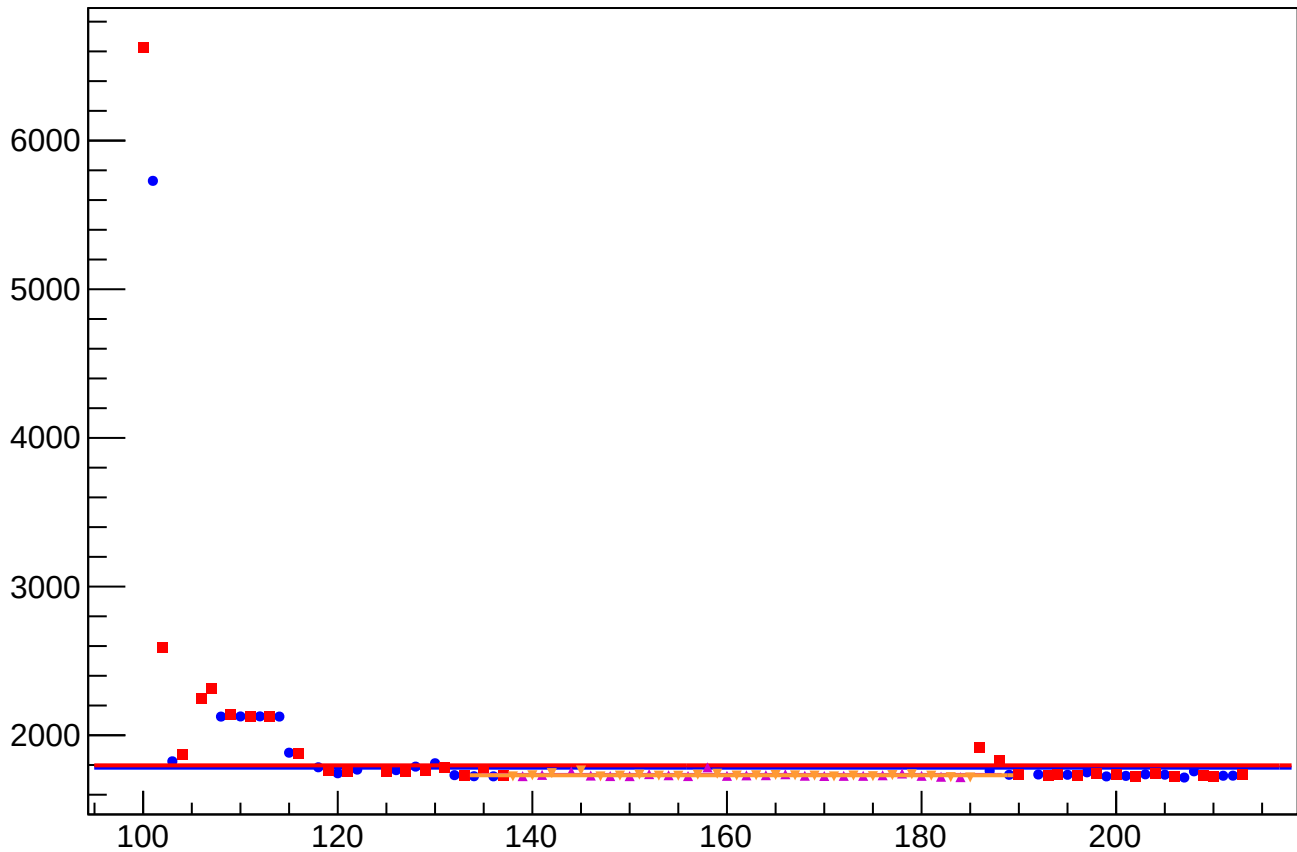
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 268.709 ± 293.868 χ^2/NDF : 46.0/52

All: -32.704 ± 206.903 χ^2/NDF : 104.6/107

- sign -328.988 ± 291.357 χ^2/NDF : 56.5/54

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1781.953+/-0.305 χ^2/NDF : 717578.5/28

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1797.474+/-0.297 χ^2/NDF : 329455.6/31

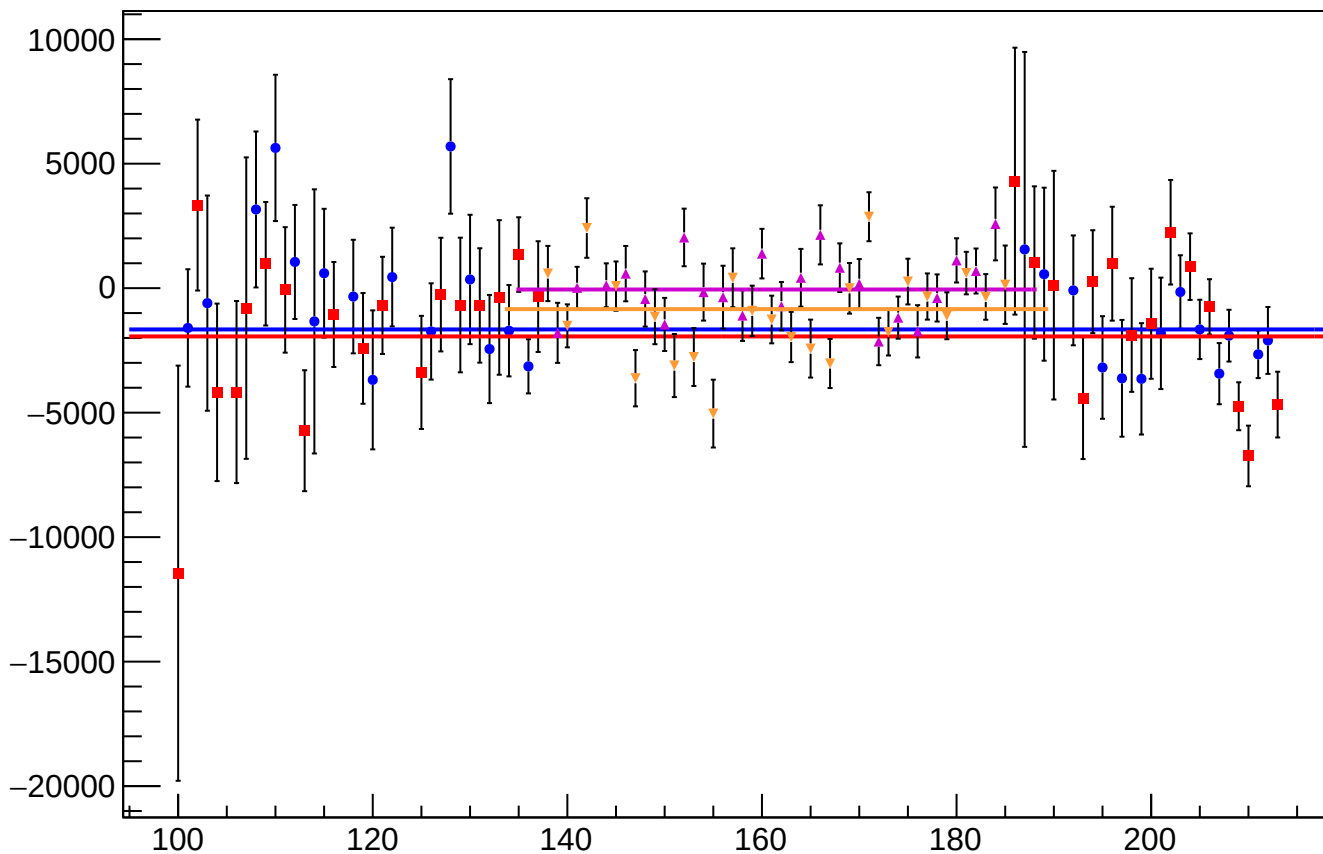
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1754.603+/-0.208 χ^2/NDF : 733595.3/52

All: 1759.366+/-0.146 χ^2/NDF : 1090775.8/100

- sign 1764.049+/-0.206 χ^2/NDF : 356138.3/54

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -1657.870 ± 336.484 χ^2/NDF : 30.2/28

Left Out: -842.473 ± 210.853 χ^2/NDF : 62.7/23

Right Out: -1938.163 ± 353.021 χ^2/NDF : 60.7/31

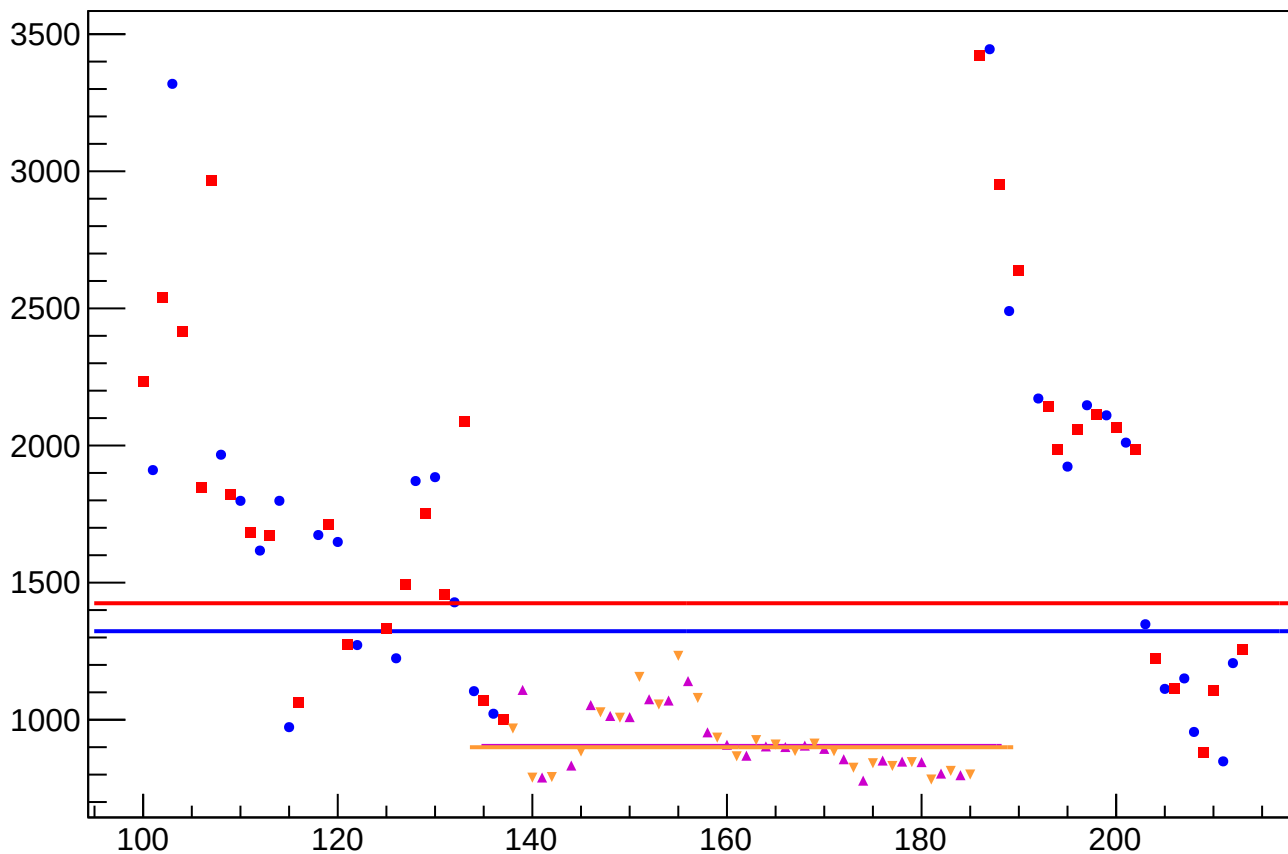
Left In: -53.927 ± 212.965 χ^2/NDF : 30.6/22

+ sign -1072.379 ± 178.671 χ^2/NDF : 97.1/52

All: -819.791 ± 127.622 χ^2/NDF : 213.4/107

- sign -556.687 ± 182.353 χ^2/NDF : 112.2/54

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1322.917 $\pm$ 0.238 χ^2 /NDF: 3595178.2/28

Left Out: 899.814 $\pm$ 0.149 χ^2 /NDF: 495276.2/23

Right Out: 1424.863 $\pm$ 0.250 χ^2 /NDF: 3935973.8/31

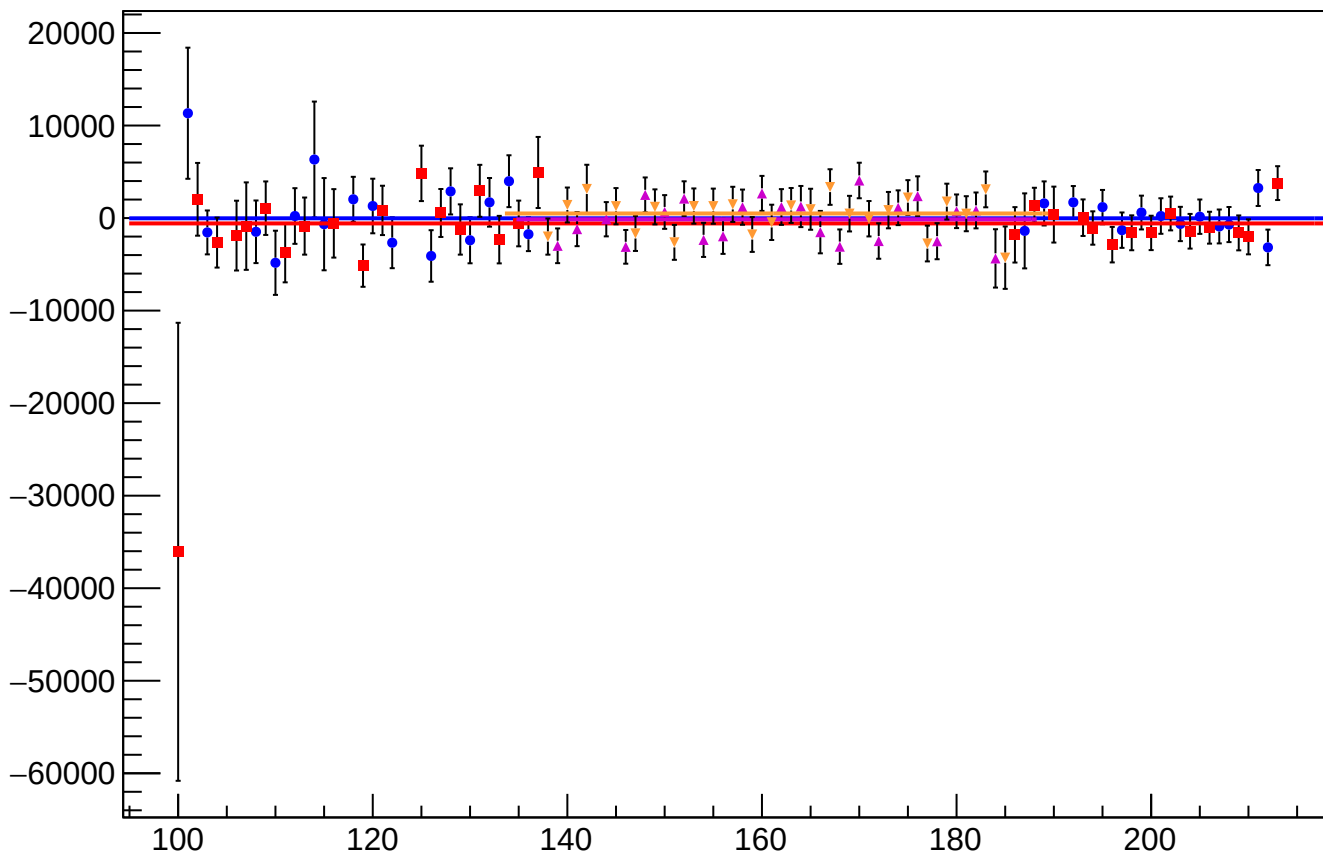
Left In: 904.653 $\pm$ 0.151 χ^2 /NDF: 452259.2/22

+ sign 1019.111 $\pm$ 0.126 χ^2 /NDF: 6361075.4/52

All: 1031.036 $\pm$ 0.090 χ^2 /NDF: 13951655.7/100

- sign 1043.457 $\pm$ 0.129 χ^2 /NDF: 7572390.5/54

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -26.115 ± 431.479 χ^2/NDF : 24.3/28

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -578.206 ± 420.722 χ^2/NDF : 27.2/31

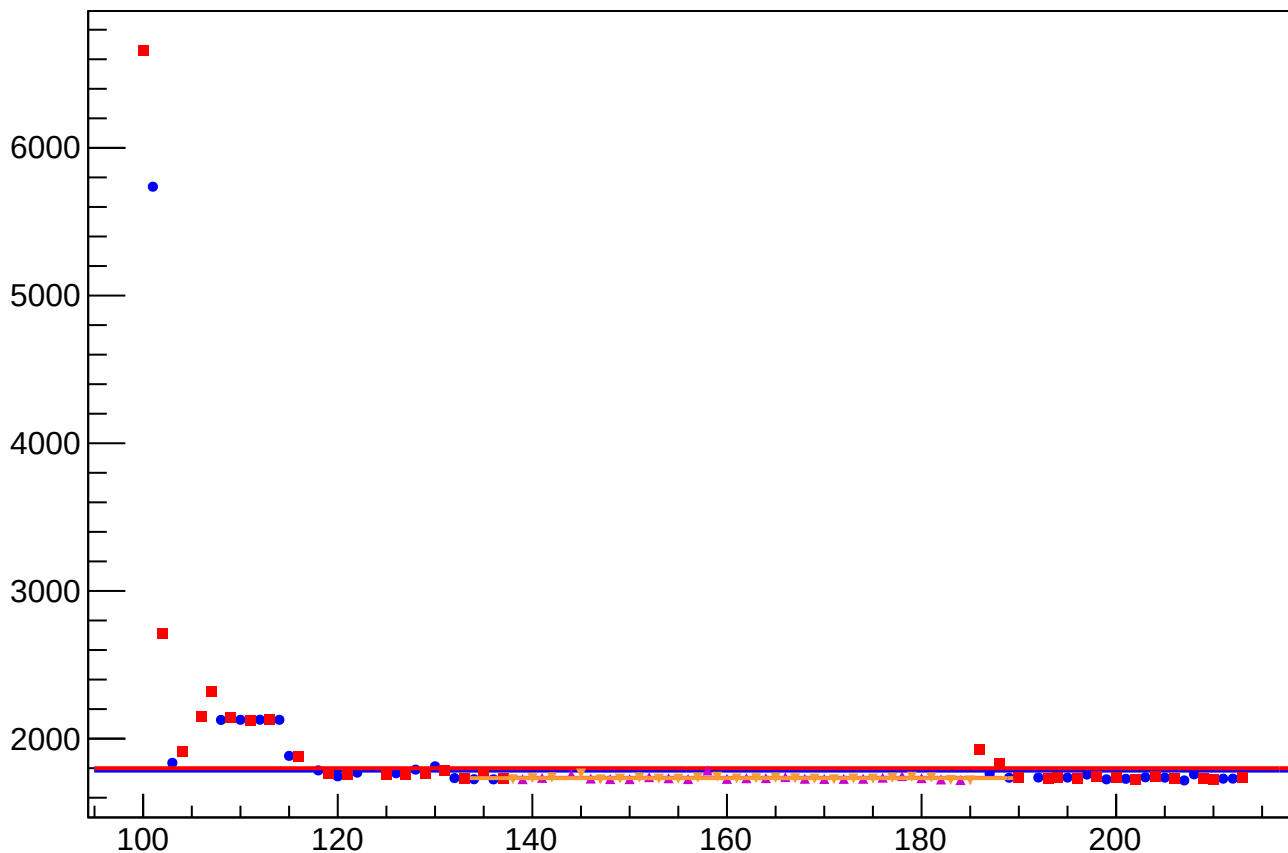
Left In: -137.162 ± 404.995 χ^2/NDF : 29.6/22

+ sign 252.751 ± 294.154 χ^2/NDF : 45.1/52

All: -50.711 ± 207.152 χ^2/NDF : 104.5/107

- sign -349.286 ± 291.776 χ^2/NDF : 57.3/54

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1783.703+/-0.305 χ^2/NDF : 717991.9/28

Left Out: 1732.389+/-0.284 χ^2/NDF : 910.8/23

Right Out: 1799.725+/-0.297 χ^2/NDF : 340223.2/31

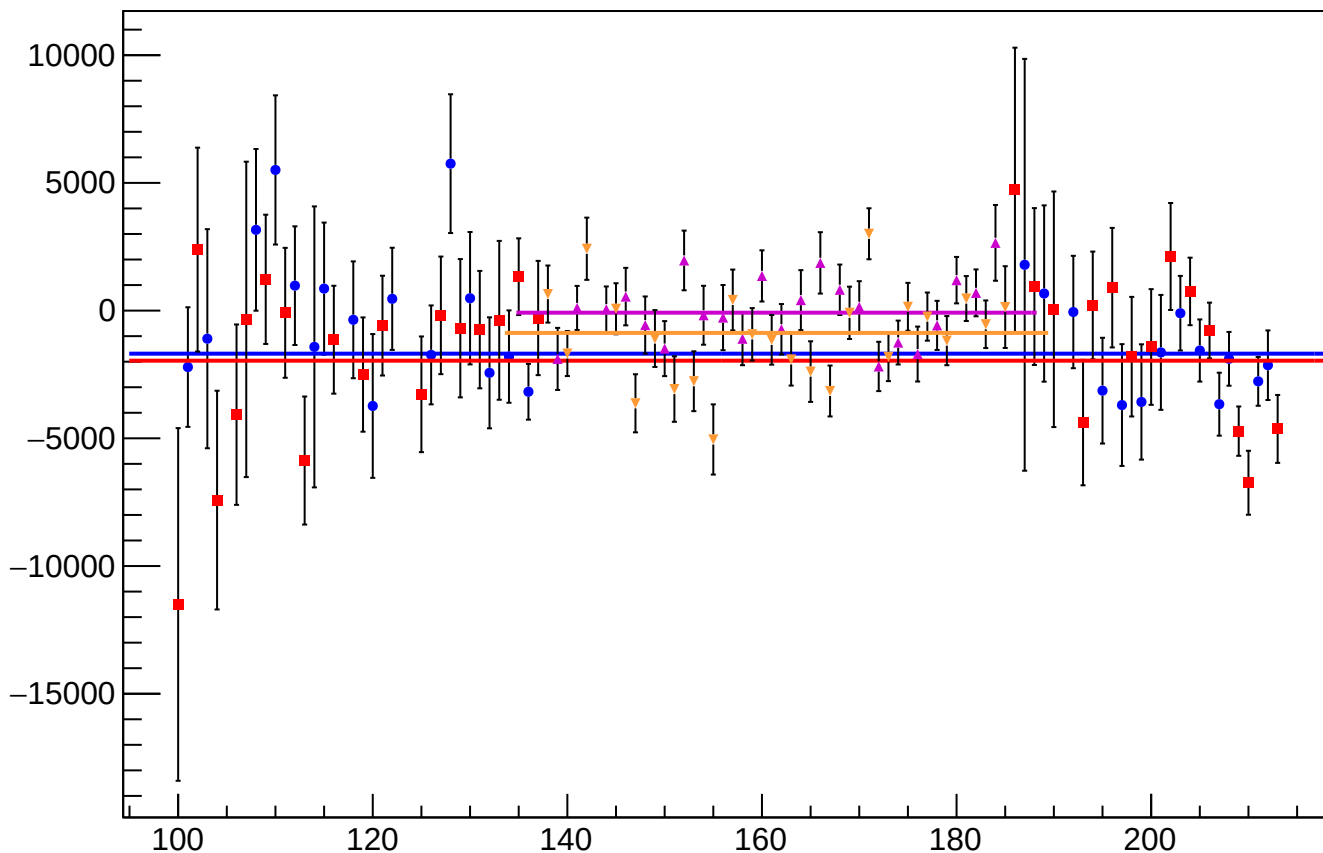
Left In: 1734.568+/-0.286 χ^2/NDF : 2215.7/22

+ sign 1756.237+/-0.208 χ^2/NDF : 734042.8/52

All: 1761.111+/-0.146 χ^2/NDF : 1102468.3/10

- sign 1765.906+/-0.206 χ^2/NDF : 367336.4/54

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



Right In: -1685.645 ± 338.215 χ^2/NDF : 31.3/28

Left Out: -872.827 ± 214.008 χ^2/NDF : 62.0/23

Right Out: -1960.550 ± 355.578 χ^2/NDF : 59.5/31

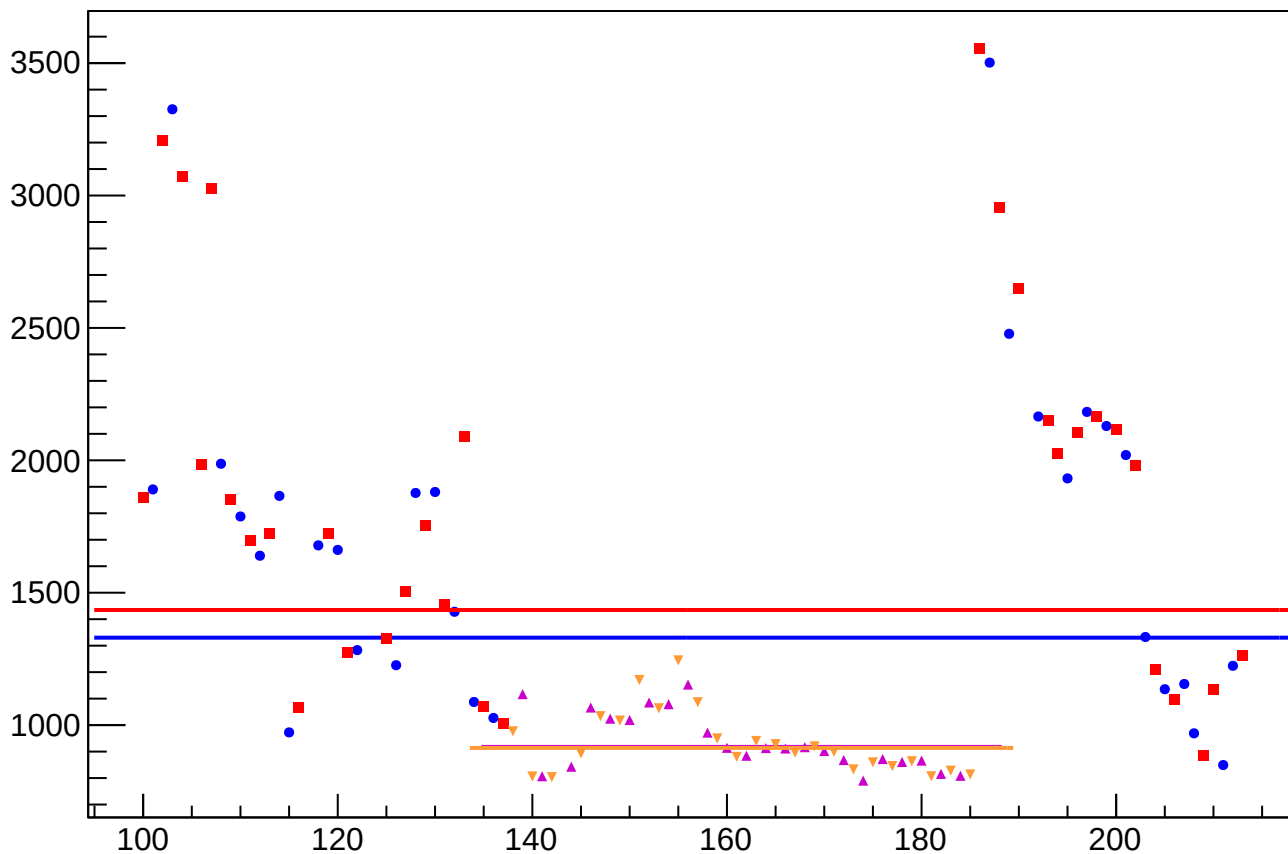
Left In: -81.519 ± 215.913 χ^2/NDF : 30.0/22

+ sign -1105.218 ± 180.845 χ^2/NDF : 97.4/52

All: -851.715 ± 129.168 χ^2/NDF : 211.3/107

- sign -587.706 ± 184.554 χ^2/NDF : 109.9/54

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1330.211 $\pm$ 0.239 χ^2/NDF : 3584969.0/28

Left Out: 913.899 $\pm$ 0.151 χ^2/NDF : 462850.2/23

Right Out: 1434.742 $\pm$ 0.251 χ^2/NDF : 4371457.9/31

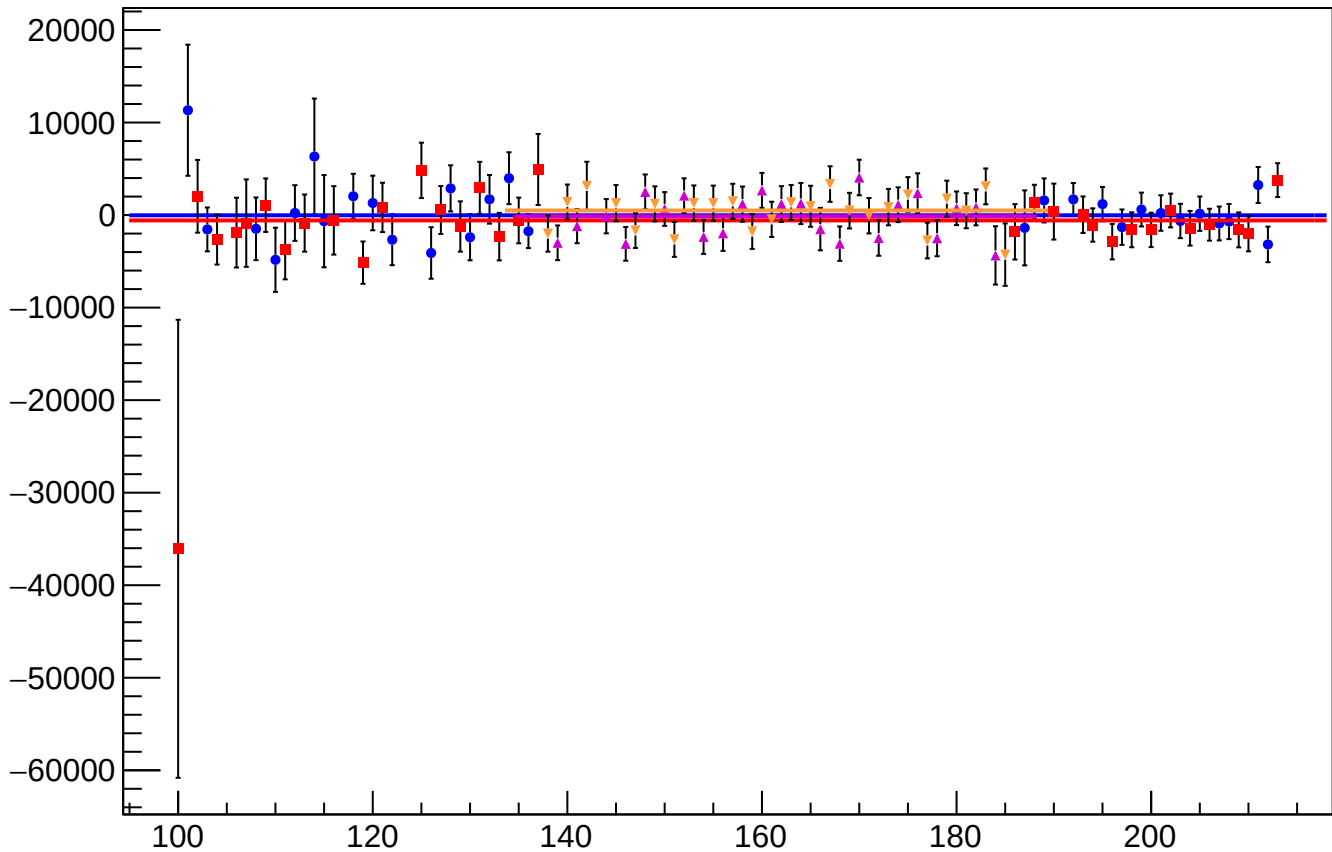
Left In: 917.674 $\pm$ 0.153 χ^2/NDF : 430498.5/22

+ sign 1032.926 $\pm$ 0.128 χ^2/NDF : 6211717.1/52

All: 1044.702 $\pm$ 0.091 χ^2/NDF : 14120885.4/1

- sign 1056.966 $\pm$ 0.130 χ^2/NDF : 7891856.2/54

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -26.114 ± 431.479 χ^2/NDF : 24.3/28

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -578.204 ± 420.722 χ^2/NDF : 27.2/31

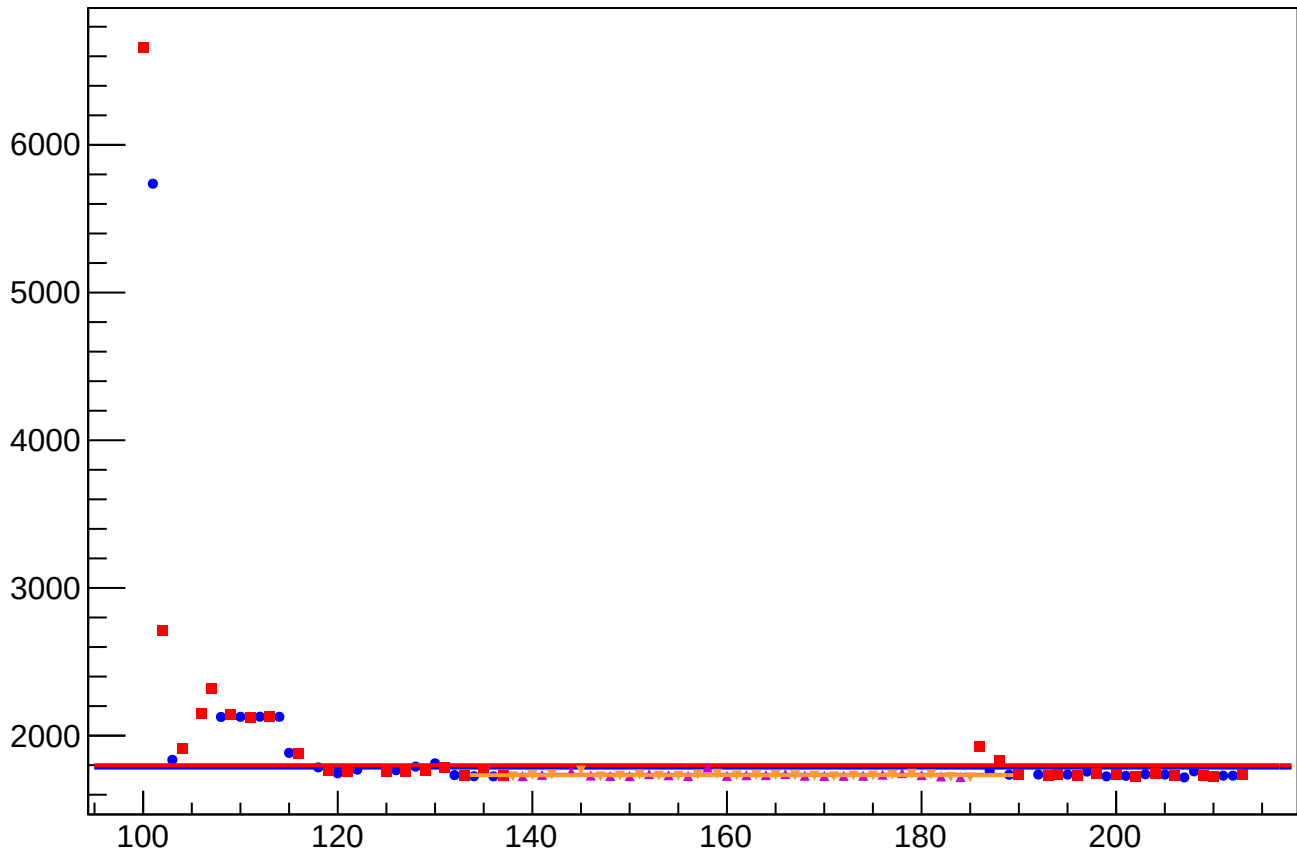
Left In: -137.163 ± 404.995 χ^2/NDF : 29.6/22

+ sign 252.751 ± 294.154 χ^2/NDF : 45.1/52

All: -50.710 ± 207.152 χ^2/NDF : 104.5/107

- sign -349.286 ± 291.776 χ^2/NDF : 57.3/54

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1783.703+/-0.305 χ^2/NDF : 717991.9/28

Left Out: 1732.389+/-0.284 χ^2/NDF : 910.8/23

Right Out: 1799.725+/-0.297 χ^2/NDF : 340222.9/31

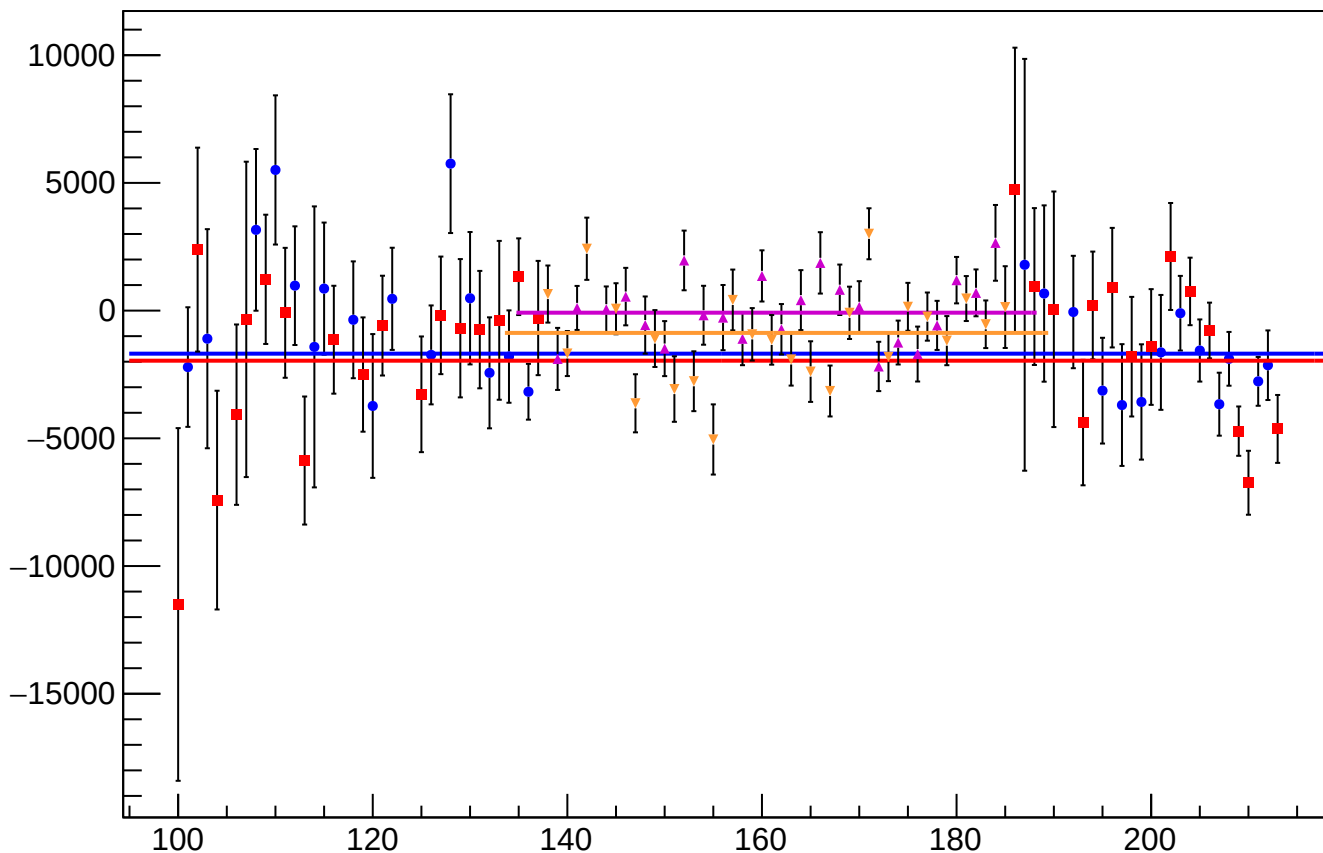
Left In: 1734.568+/-0.286 χ^2/NDF : 2215.7/22

+ sign 1756.237+/-0.208 χ^2/NDF : 734042.8/52

All: 1761.111+/-0.146 χ^2/NDF : 1102468.0/10

- sign 1765.906+/-0.206 χ^2/NDF : 367336.1/54

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -1685.640 ± 338.215 χ^2/NDF : 31.3/28

Left Out: -872.826 ± 214.008 χ^2/NDF : 62.0/23

Right Out: -1960.551 ± 355.577 χ^2/NDF : 59.5/31

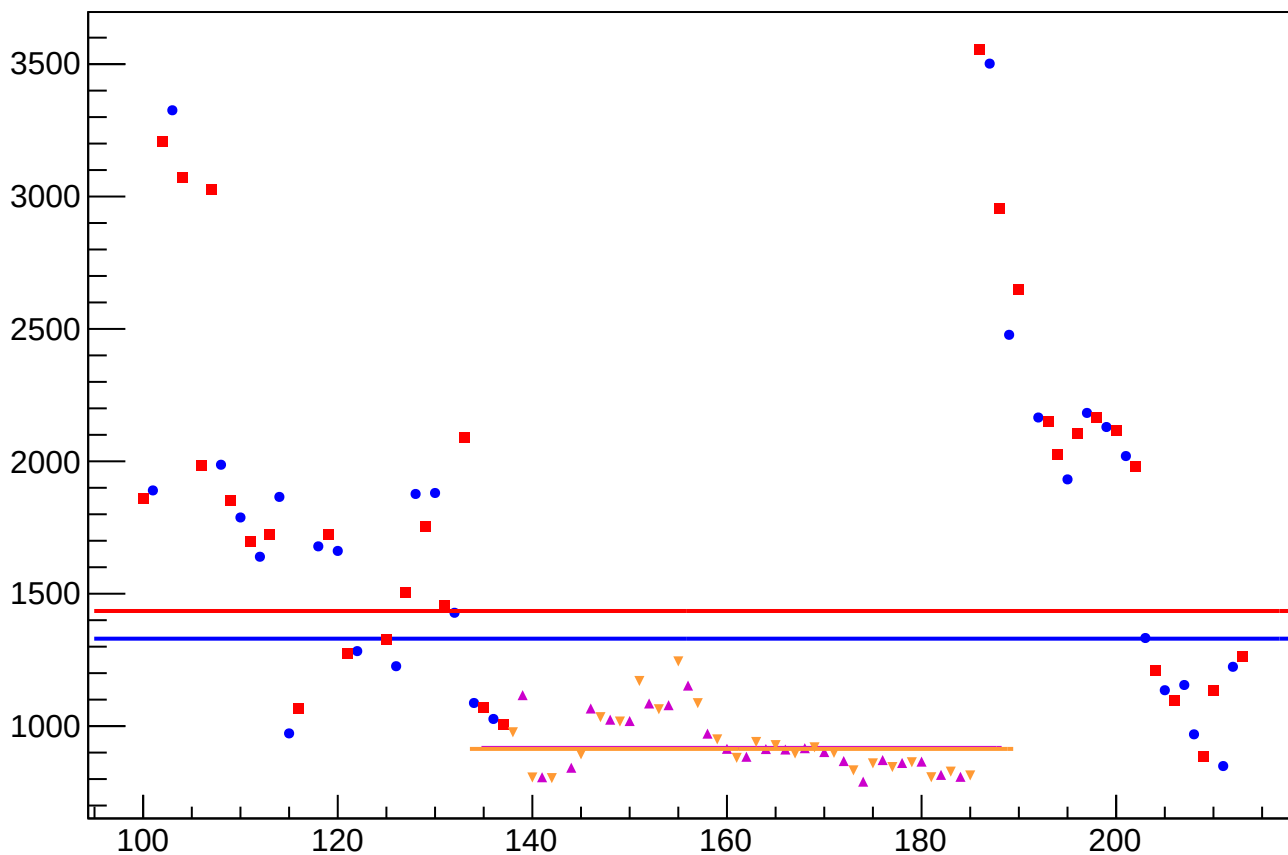
Left In: -81.518 ± 215.913 χ^2/NDF : 30.0/22

+ sign -1105.216 ± 180.845 χ^2/NDF : 97.4/52

All: -851.714 ± 129.168 χ^2/NDF : 211.3/107

- sign -587.707 ± 184.554 χ^2/NDF : 109.9/54

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1330.210 ± 0.239 $\chi^2/\text{NDF}: 3584963.3/28$

Left Out: 913.898 ± 0.151 $\chi^2/\text{NDF}: 462858.6/23$

Right Out: 1434.740 ± 0.251 $\chi^2/\text{NDF}: 4371474.1/31$

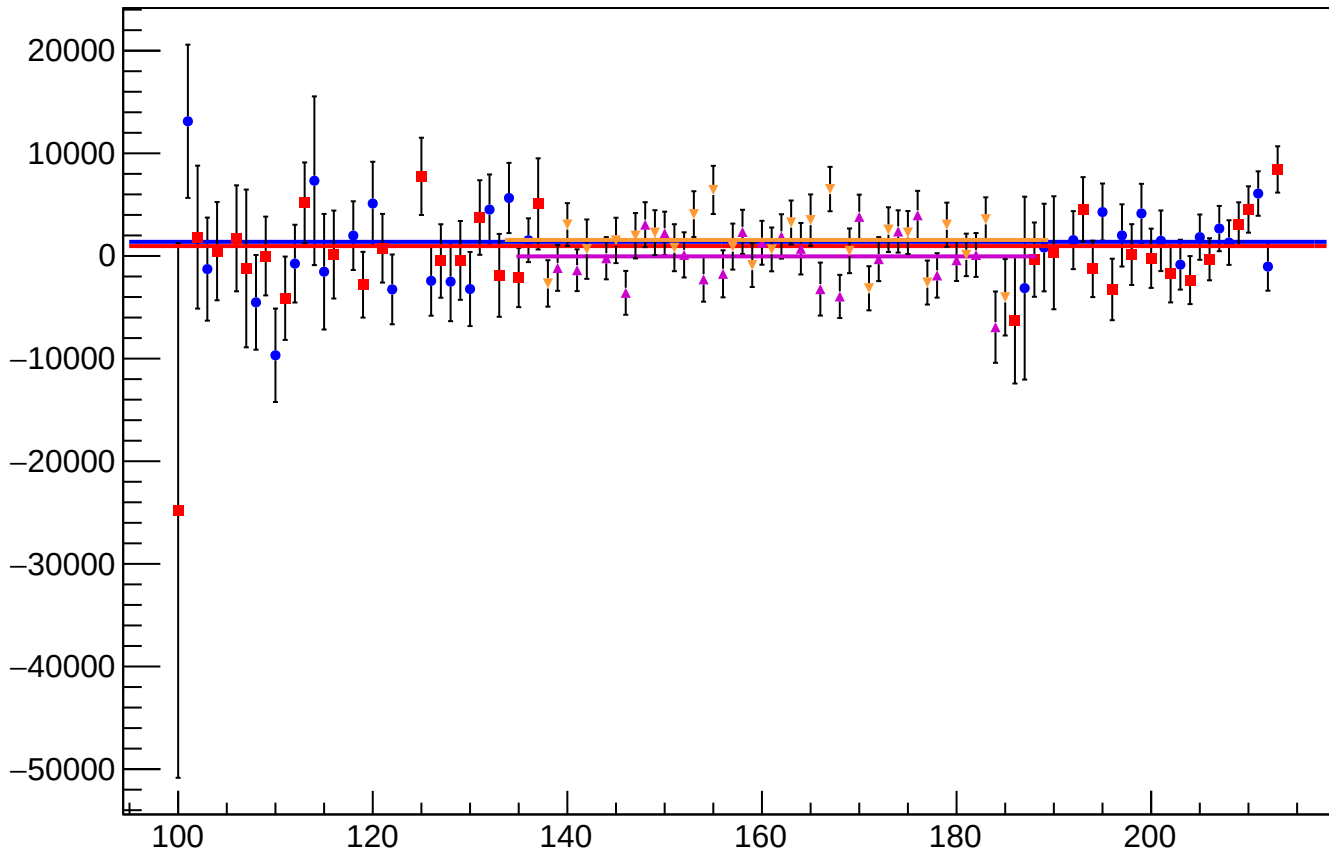
Left In: 917.674 ± 0.153 $\chi^2/\text{NDF}: 430509.1/22$

+ sign 1032.925 ± 0.128 $\chi^2/\text{NDF}: 6211716.4/52$

All: 1044.701 ± 0.091 $\chi^2/\text{NDF}: 14120894.1/1$

- sign 1056.965 ± 0.130 $\chi^2/\text{NDF}: 7891866.0/54$

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1377.360 $\pm$ 579.423 χ^2 /NDF: 29.8/28

Left Out: 1561.357 $\pm$ 456.883 χ^2 /NDF:31.2/23

Right Out: 961.582 $\pm$ 581.387 χ^2 /NDF: 35.4/31

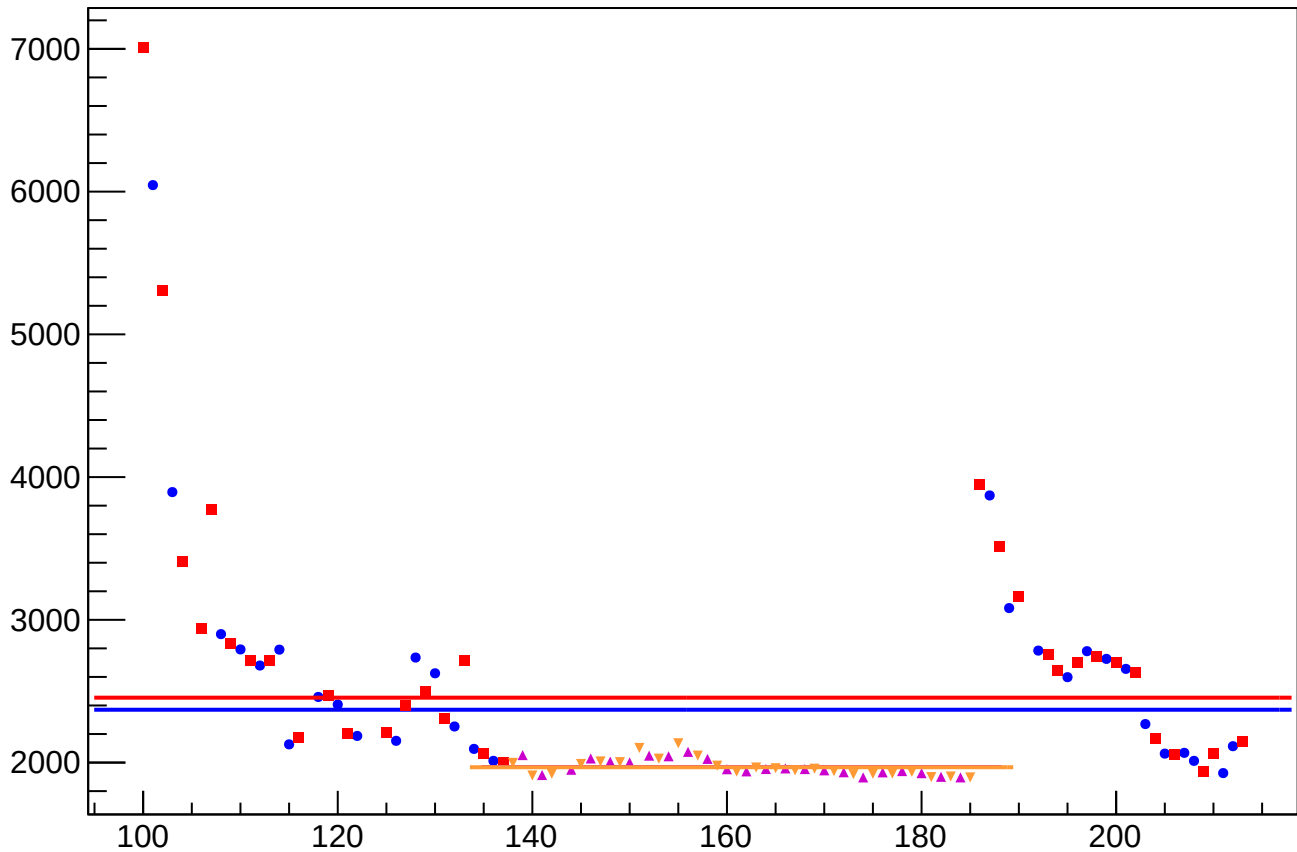
Left In: -39.885 $\pm$ 459.938 χ^2 /NDF:27.8/22

+ sign 1490.816 $\pm$ 358.767 χ^2 /NDF: 61.1/52

All: 921.309 $\pm$ 254.371 χ^2 /NDF: 131.2/107

- sign 345.615 $\pm$ 360.711 χ^2 /NDF: 65.1/54

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2370.157+/-0.410 χ^2/NDF : 1346839.9/28

Left Out: 1967.416+/-0.323 χ^2/NDF : 34217.6/23

Right Out: 2454.750+/-0.411 χ^2/NDF : 1412649.4/31

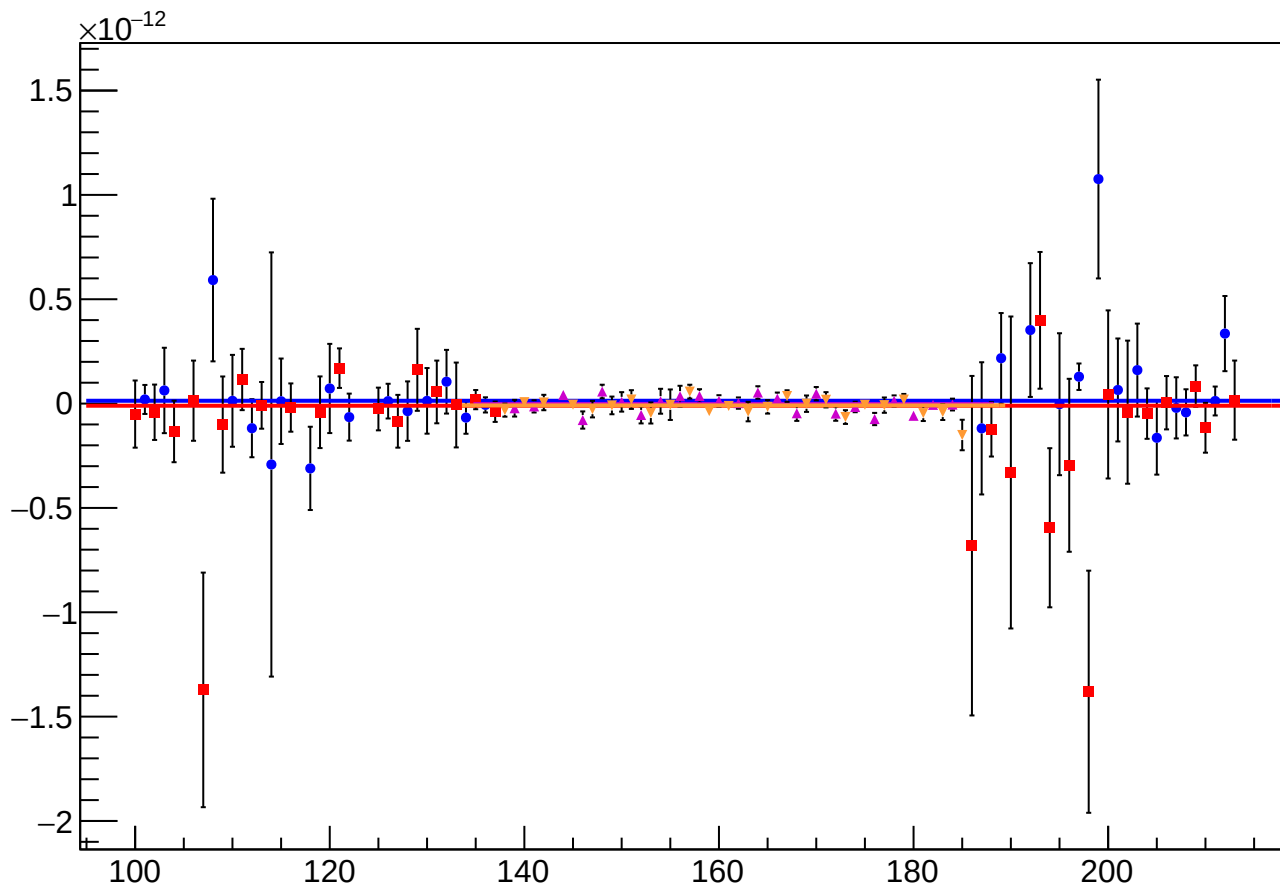
Left In: 1969.022+/-0.325 χ^2/NDF : 26523.0/22

+ sign 2121.820+/-0.254 χ^2/NDF : 1976866.0/52

All: 2138.816+/-0.180 χ^2/NDF : 4283696.4/10

- sign 2155.996+/-0.255 χ^2/NDF : 2297804.7/54

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/31

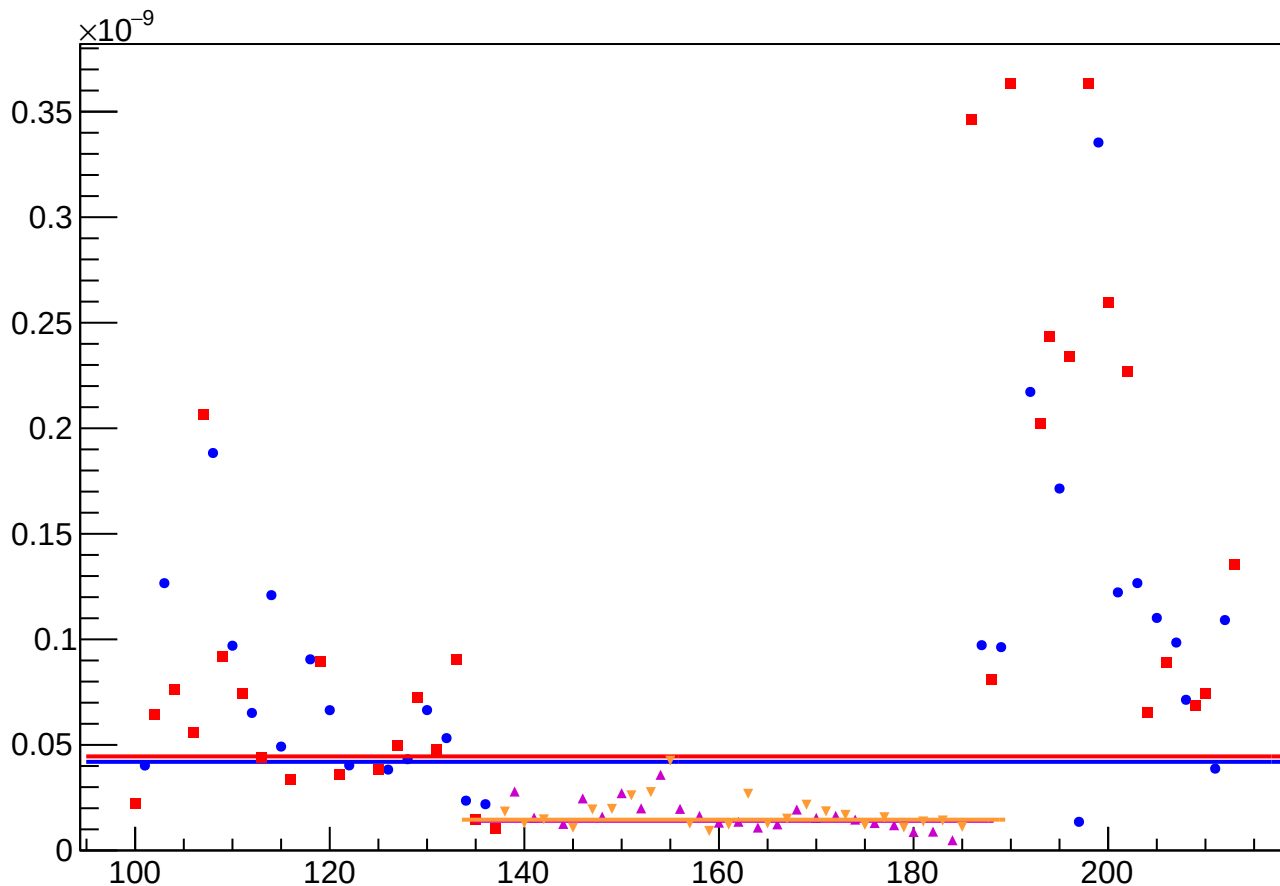
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.6/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 111.6/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 65.8/54

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5506534.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7617010.3/31

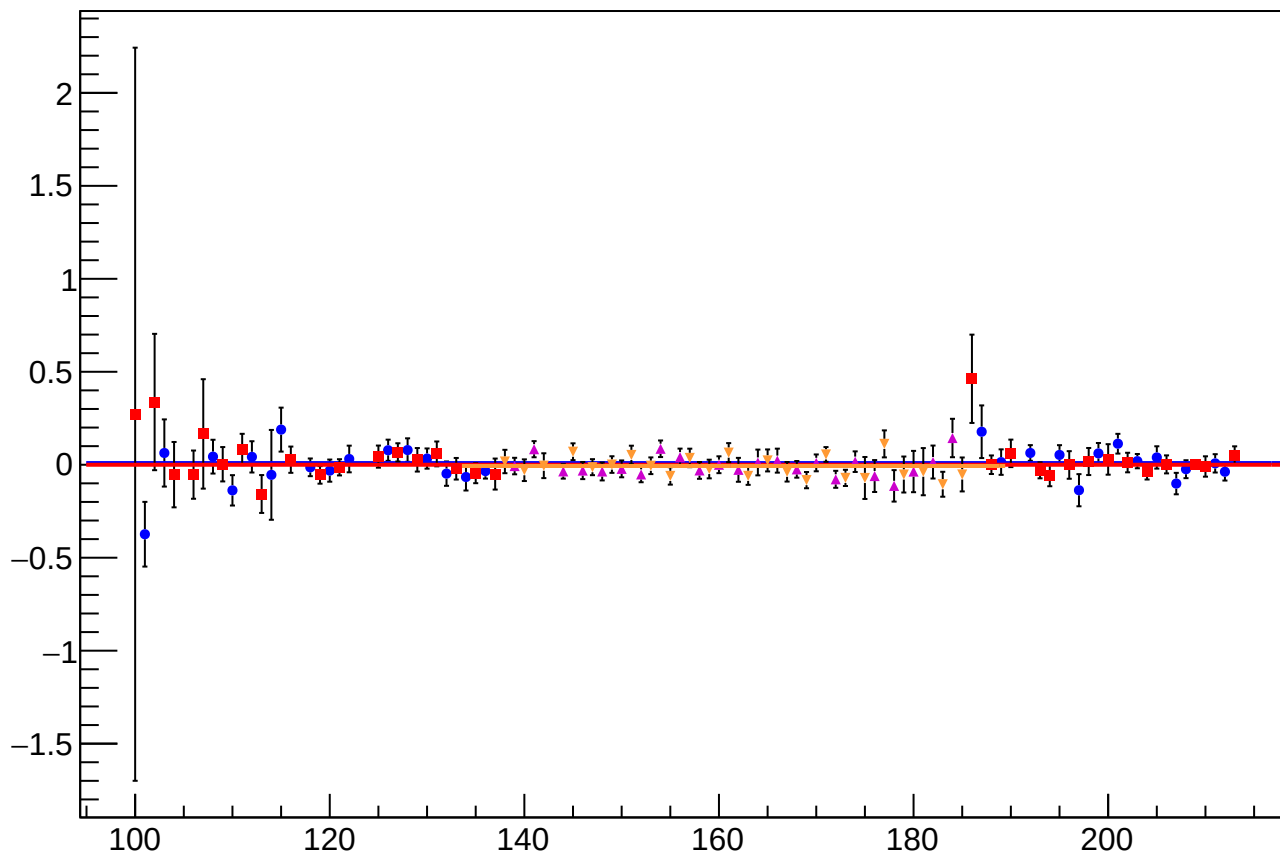
Left In: 0.000+/-0.000 χ^2/NDF : 1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 9963429.2/52

All: 0.000+/-0.000 χ^2/NDF : 22658833.5/107

- sign 0.000+/-0.000 χ^2/NDF : 12683326.2/54

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.011 χ^2/NDF : 34.3/28

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: 0.000 ± 0.010 χ^2/NDF : 19.2/31

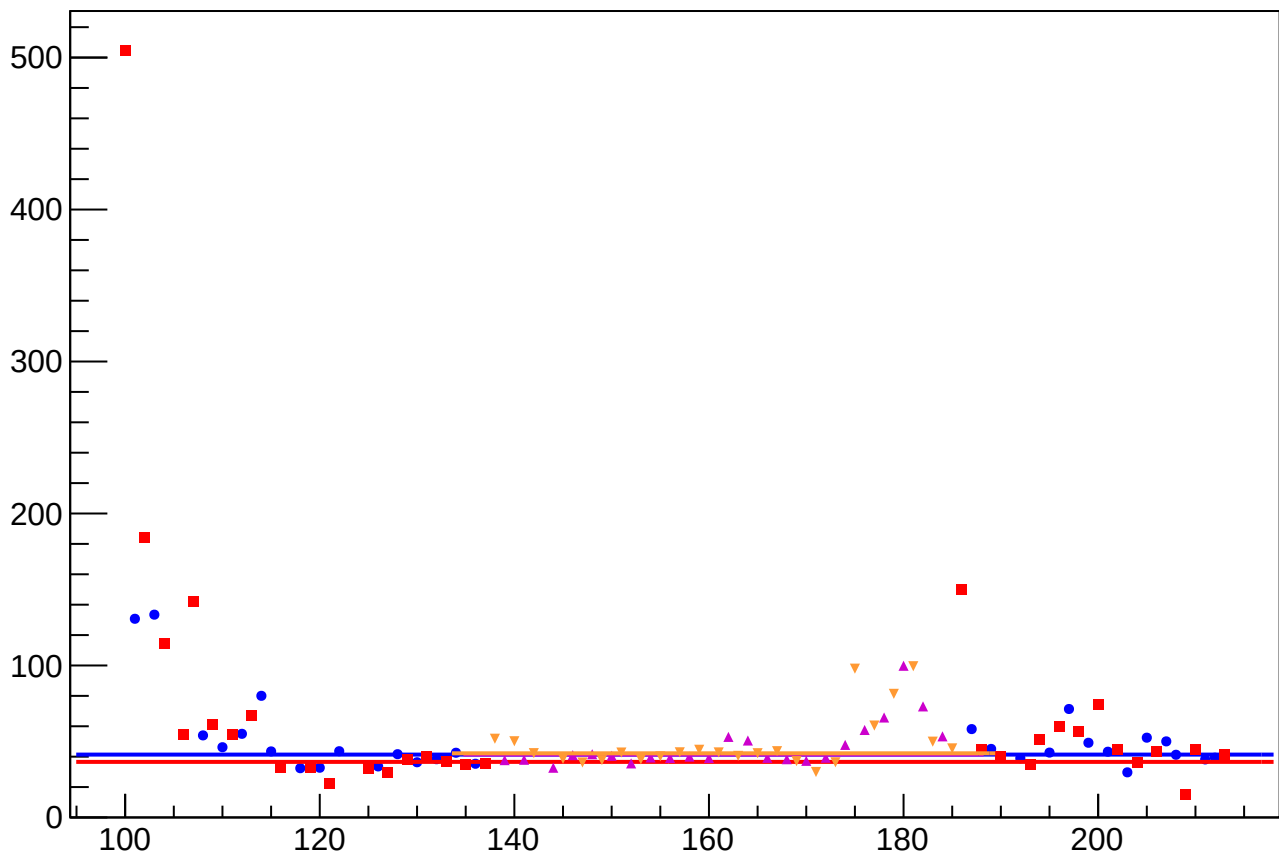
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.001 ± 0.008 χ^2/NDF : 59.2/52

All: -0.001 ± 0.005 χ^2/NDF : 98.8/107

- sign -0.003 ± 0.007 χ^2/NDF : 39.4/54

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.363+/-0.008 χ^2/NDF : 2051868.2/28

Left Out: 42.208+/-0.008 χ^2/NDF : 1819371.1/23

Right Out: 36.562+/-0.007 χ^2/NDF : 4898821.3/31

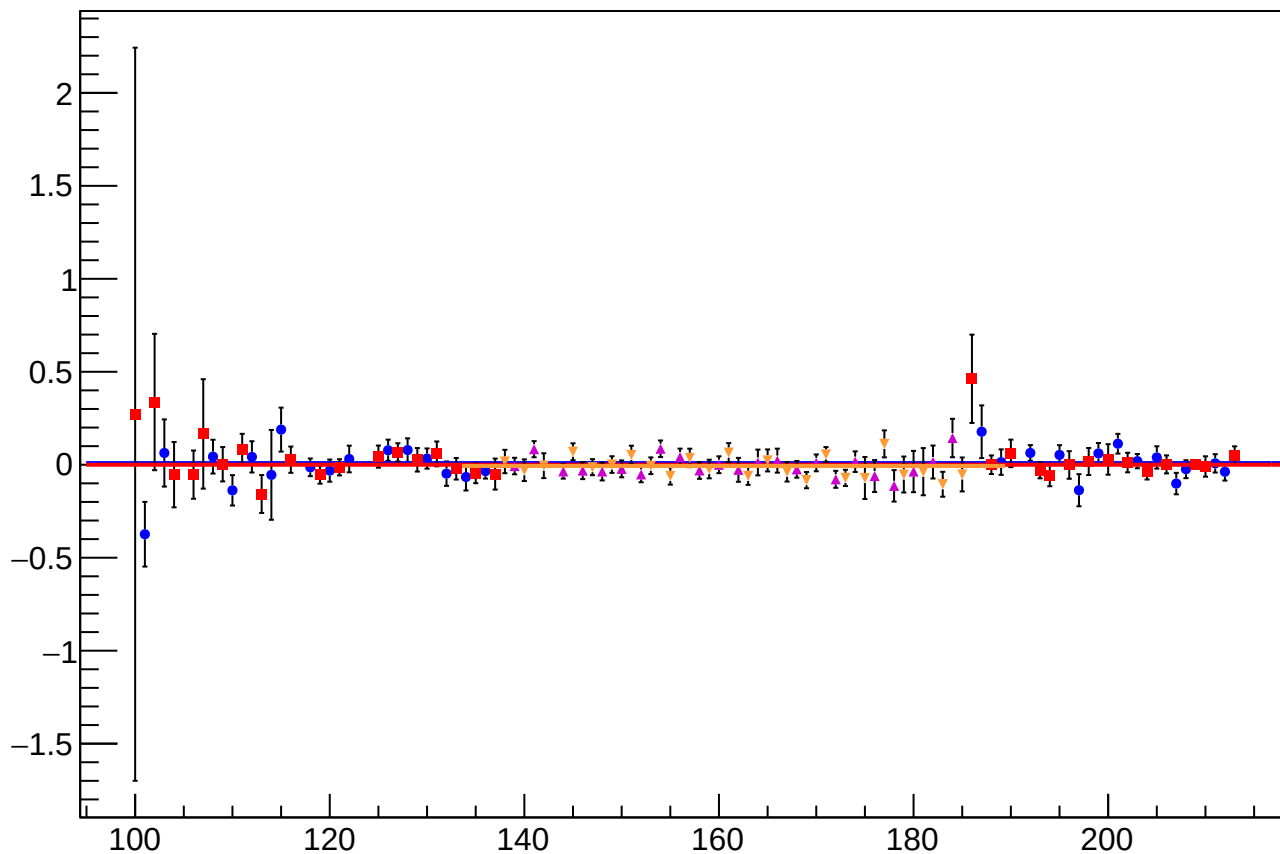
Left In: 41.421+/-0.008 χ^2/NDF : 1412177.5/22

+ sign 41.797+/-0.006 χ^2/NDF : 3877069.6/52

All: 40.283+/-0.004 χ^2/NDF : 10542993.0/107

- sign 38.905+/-0.005 χ^2/NDF : 6522779.7/54

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.011 $\chi^2/\text{NDF}: 34.3/28$

Left Out: -0.007 ± 0.011 $\chi^2/\text{NDF}: 23.9/23$

Right Out: 0.000 ± 0.010 $\chi^2/\text{NDF}: 19.2/31$

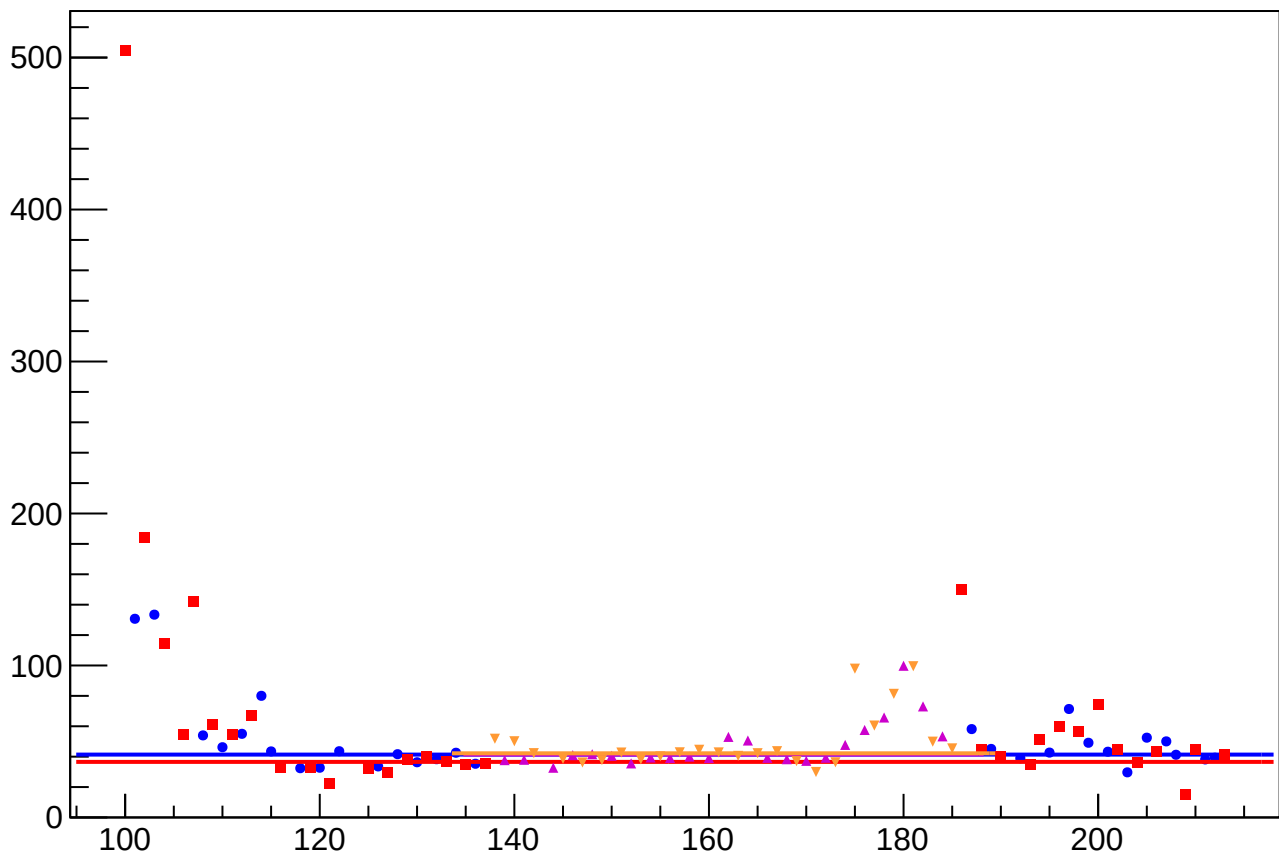
Left In: -0.006 ± 0.011 $\chi^2/\text{NDF}: 20.1/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 59.2/52$

All: -0.001 ± 0.005 $\chi^2/\text{NDF}: 98.8/107$

- sign -0.003 ± 0.007 $\chi^2/\text{NDF}: 39.4/54$

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.363+/-0.008 χ^2/NDF : 2051868.2/28

Left Out: 42.208+/-0.008 χ^2/NDF : 1819371.1/23

Right Out: 36.562+/-0.007 χ^2/NDF : 4898821.3/31

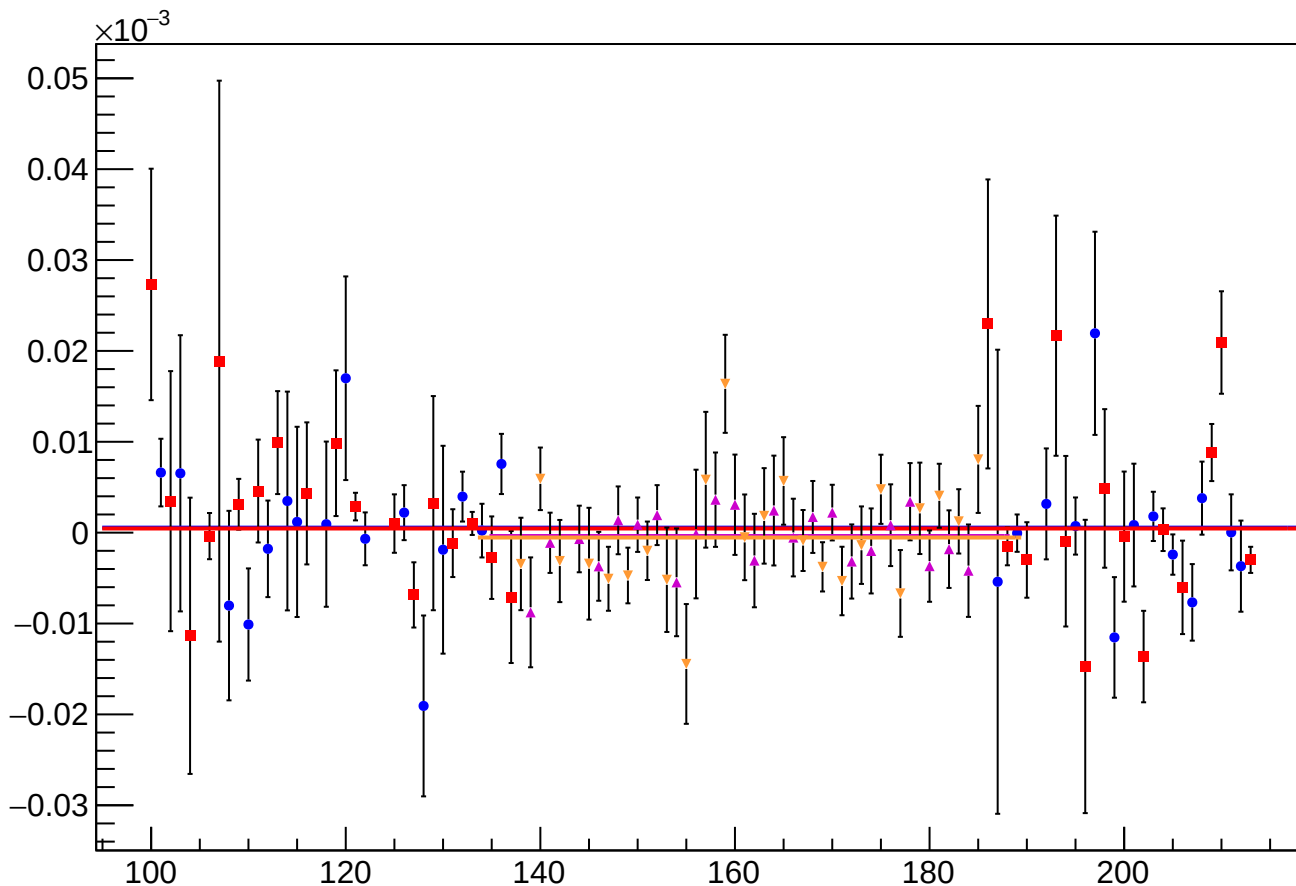
Left In: 41.421+/-0.008 χ^2/NDF : 1412177.5/22

+ sign 41.797+/-0.006 χ^2/NDF : 3877069.6/52

All: 40.283+/-0.004 χ^2/NDF : 10542993.0/107

- sign 38.905+/-0.005 χ^2/NDF : 6522779.7/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:36.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.9/31

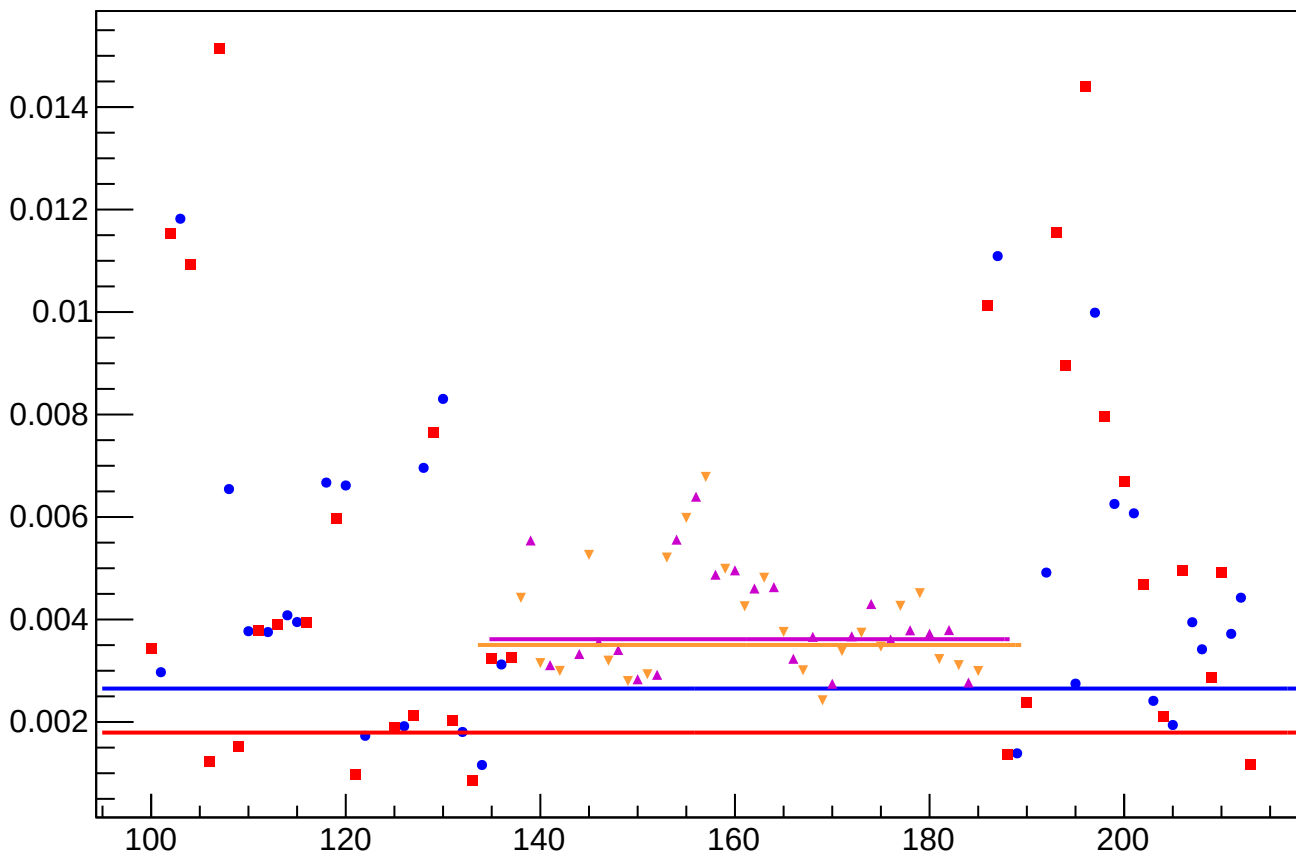
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.6/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 144.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.2/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7874667.4/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:2190693.7/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 14652314.6/31

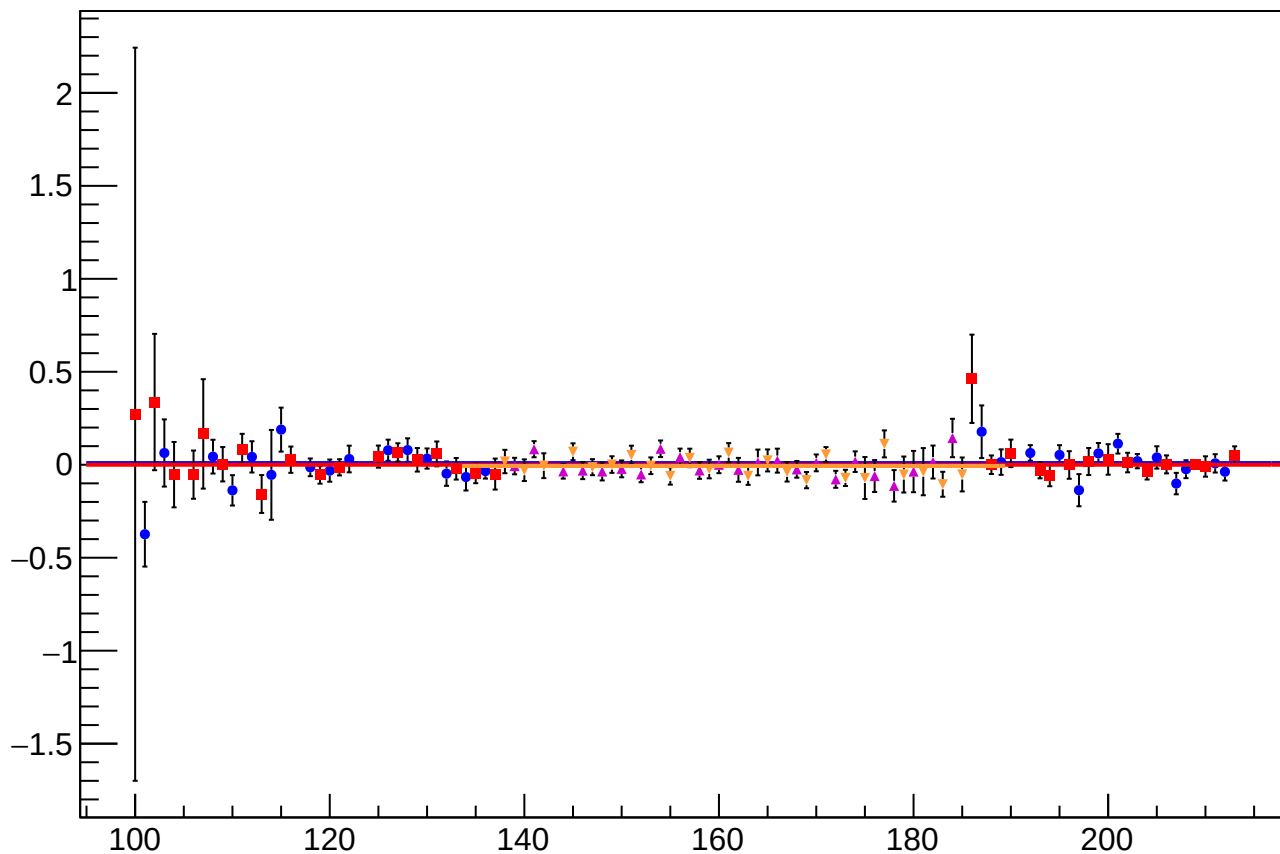
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1668896.2/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 11189589.5/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 35269579.6/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 22388939.1/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.011 χ^2/NDF : 34.3/28

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: 0.000 ± 0.010 χ^2/NDF : 19.2/31

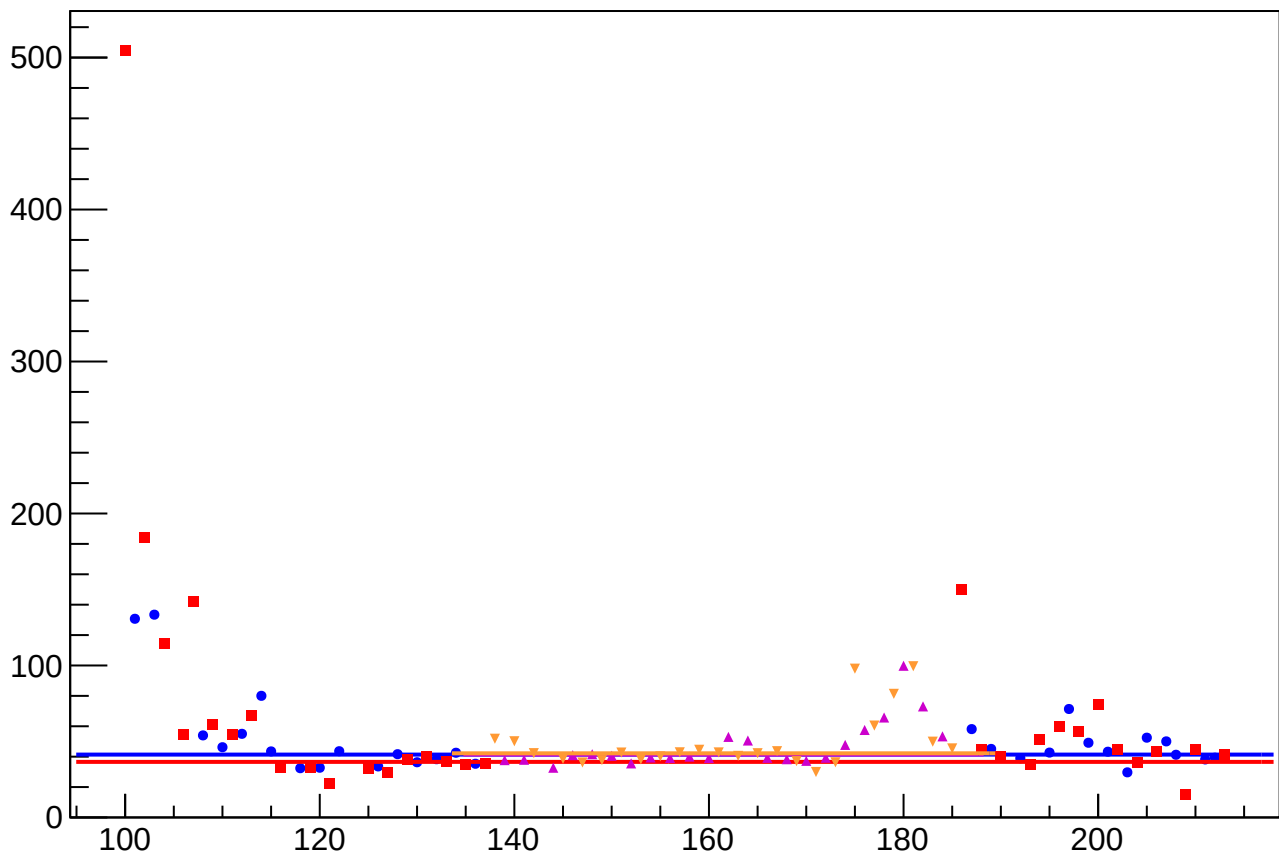
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.001 ± 0.008 χ^2/NDF : 59.2/52

All: -0.001 ± 0.005 χ^2/NDF : 98.8/107

- sign -0.003 ± 0.007 χ^2/NDF : 39.4/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.364 $\pm$ 0.008 χ^2 /NDF: 2051783.7/28

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819378.3/23

Right Out: 36.566 $\pm$ 0.007 χ^2 /NDF: 4896295.5/31

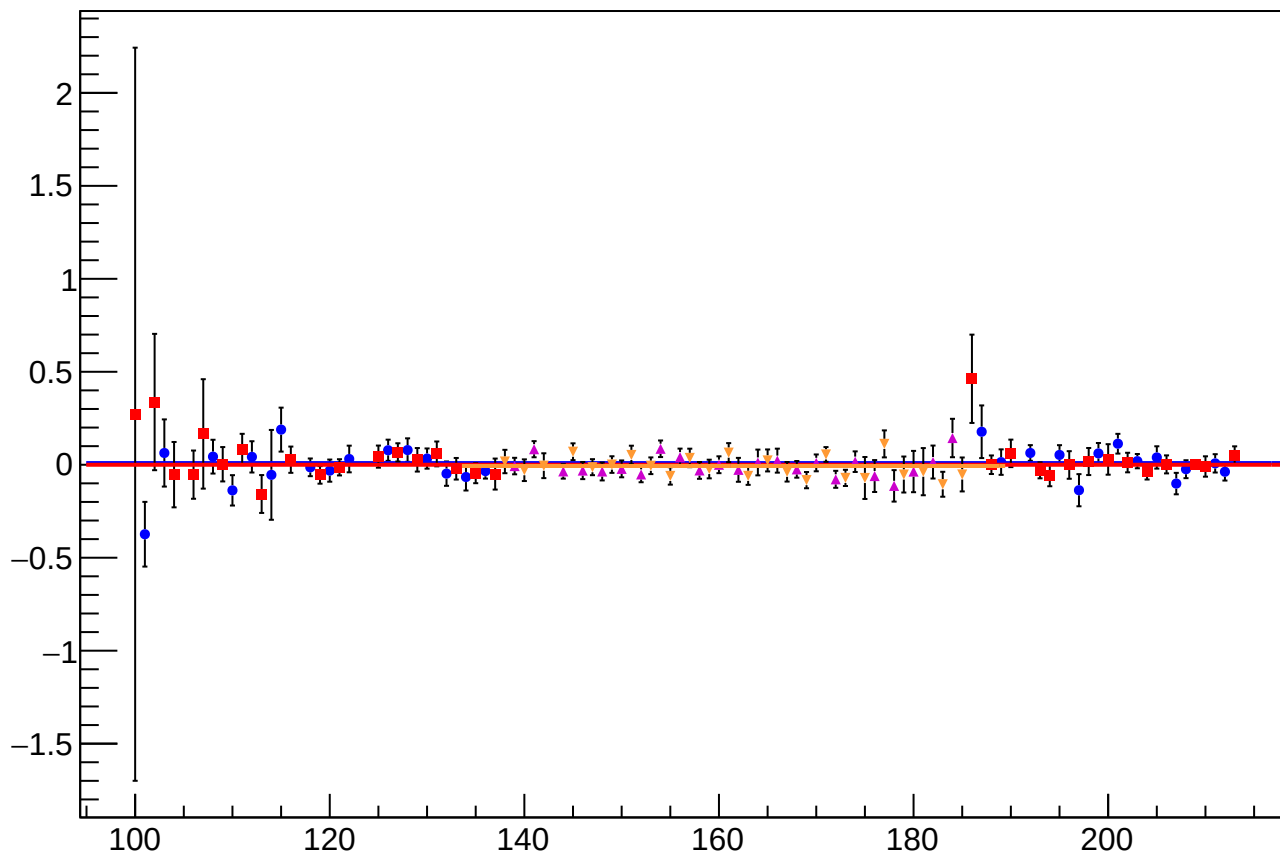
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412111.4/22

+ sign 41.796 $\pm$ 0.006 χ^2 /NDF: 3876984.9/52

All: 40.284 $\pm$ 0.004 χ^2 /NDF: 10539690.3/107

- sign 38.907 $\pm$ 0.005 χ^2 /NDF: 6519794.7/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 ± 0.011 χ^2/NDF : 34.3/28

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: 0.000 ± 0.010 χ^2/NDF : 19.2/31

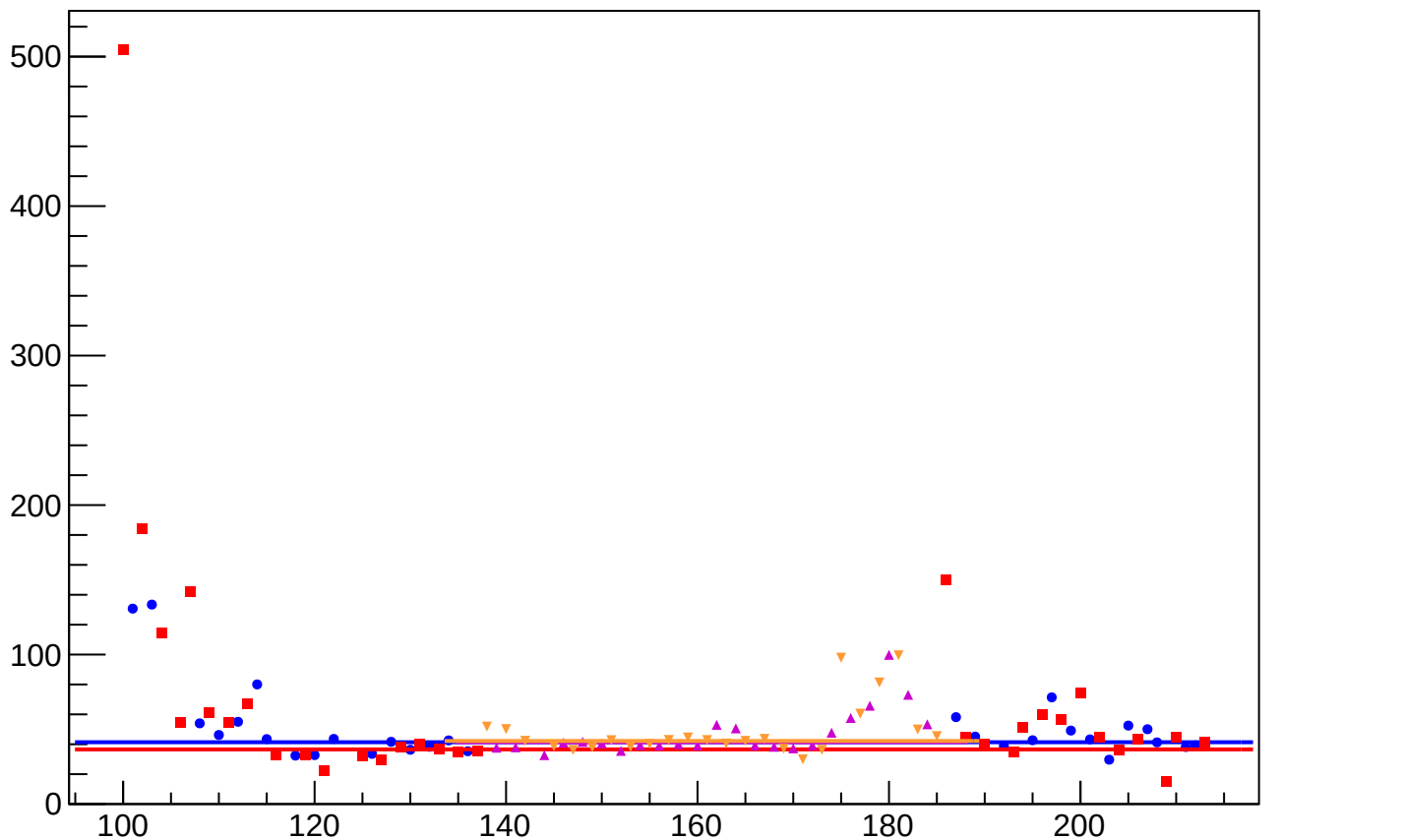
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign 0.001 ± 0.008 χ^2/NDF : 59.2/52

All: -0.001 ± 0.005 χ^2/NDF : 98.8/107

- sign -0.003 ± 0.007 χ^2/NDF : 39.4/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.364+/-0.008 χ^2/NDF : 2051783.7/28

Left Out: 42.208+/-0.008 χ^2/NDF : 1819378.3/23

Right Out: 36.566+/-0.007 χ^2/NDF : 4896295.5/31

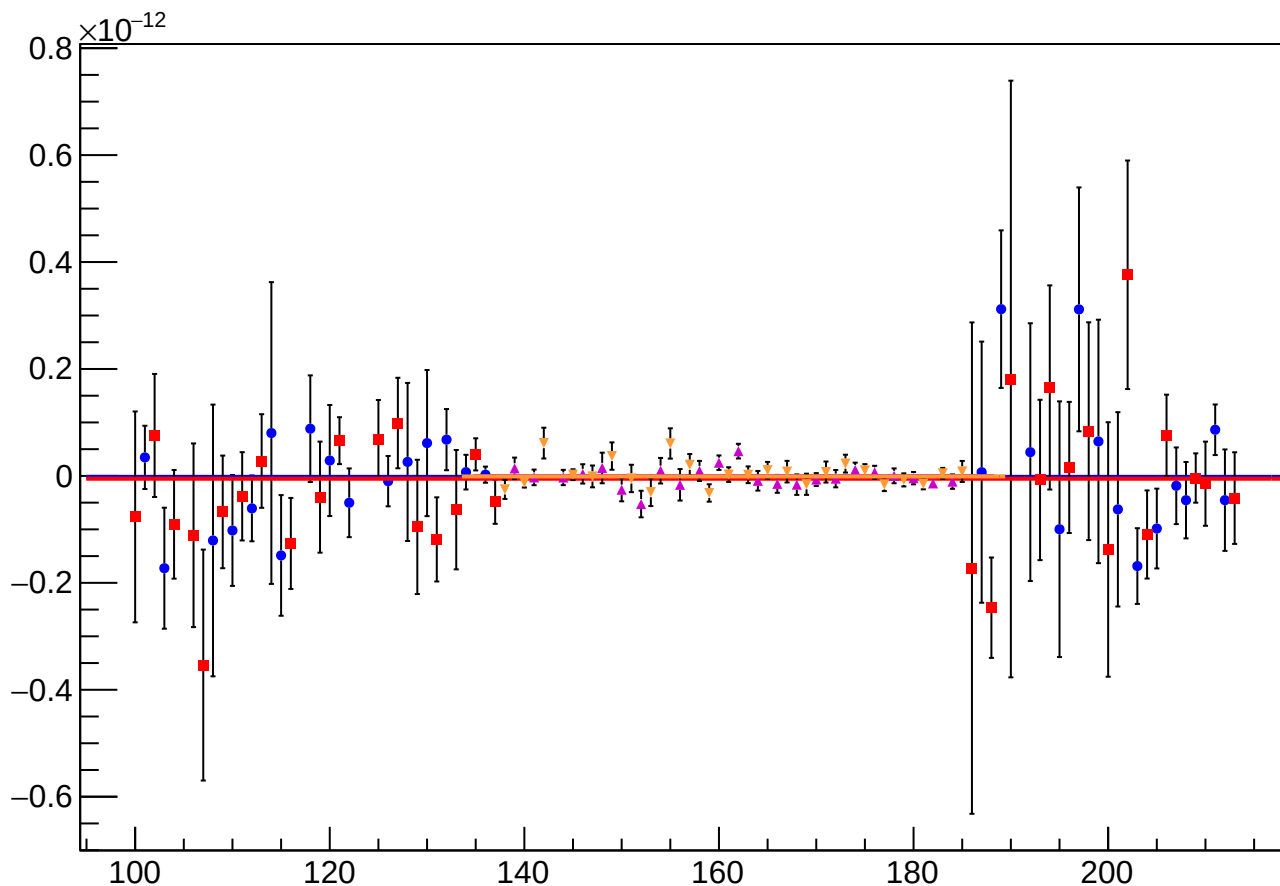
Left In: 41.421+/-0.008 χ^2/NDF : 1412111.4/22

+ sign 41.796+/-0.006 χ^2/NDF : 3876984.9/52

All: 40.284+/-0.004 χ^2/NDF : 10539690.3/107

- sign 38.907+/-0.005 χ^2/NDF : 6519794.7/54

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.0/28

Left Out: -0.000+/-0.000 χ^2/NDF : 29.5/23

Right Out: -0.000+/-0.000 χ^2/NDF : 32.7/31

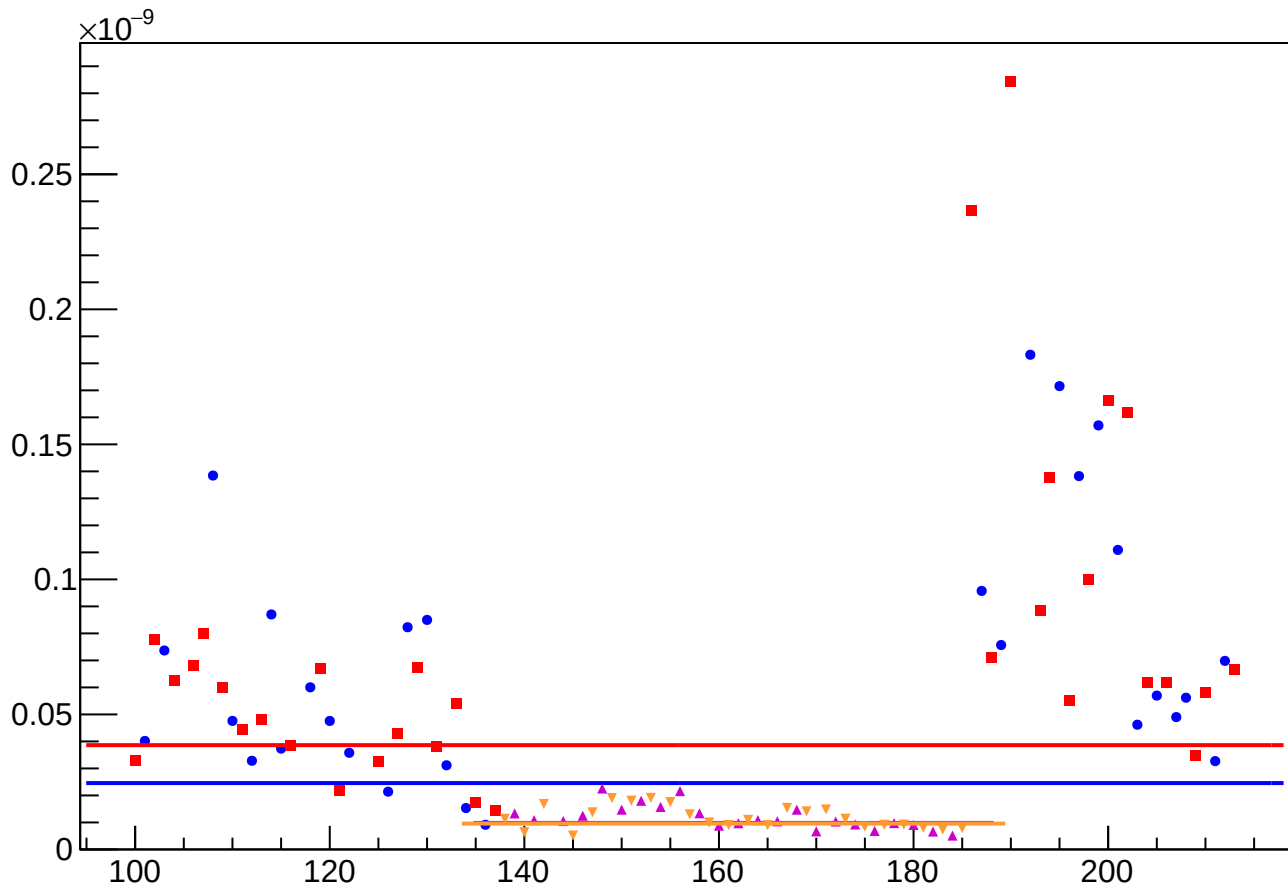
Left In: -0.000+/-0.000 χ^2/NDF : 28.3/22

+ sign -0.000+/-0.000 χ^2/NDF : 57.5/52

All: -0.000+/-0.000 χ^2/NDF : 118.7/107

- sign -0.000+/-0.000 χ^2/NDF : 61.2/54

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9944195.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2445128.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6798791.2/31

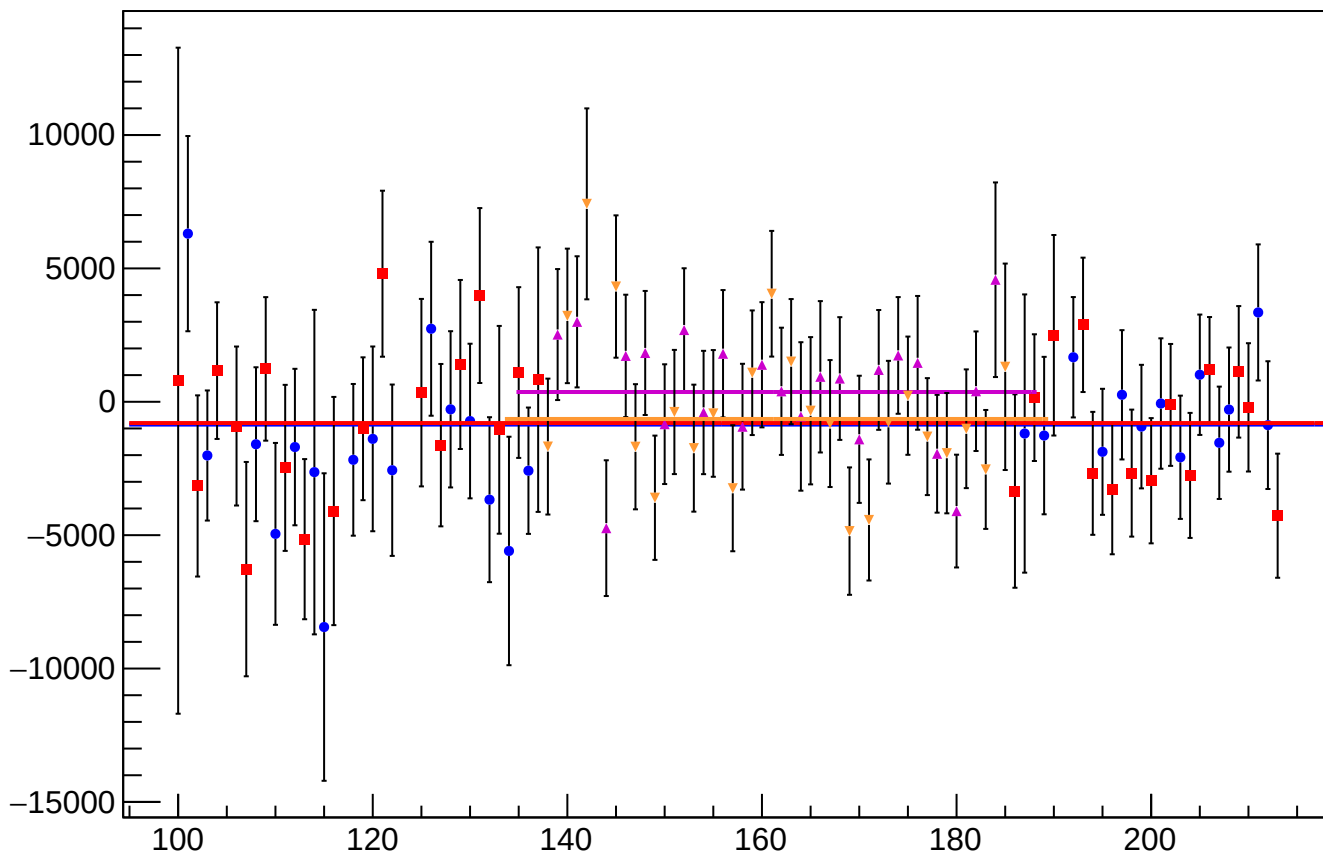
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2250638.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16117008.9/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33240017.9/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17097148.6/54

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -854.425 ± 515.248 χ^2/NDF : 17.5/28

Left Out: -643.811 ± 493.681 χ^2/NDF : 27.1/23

Right Out: -796.794 ± 499.782 χ^2/NDF : 24.4/31

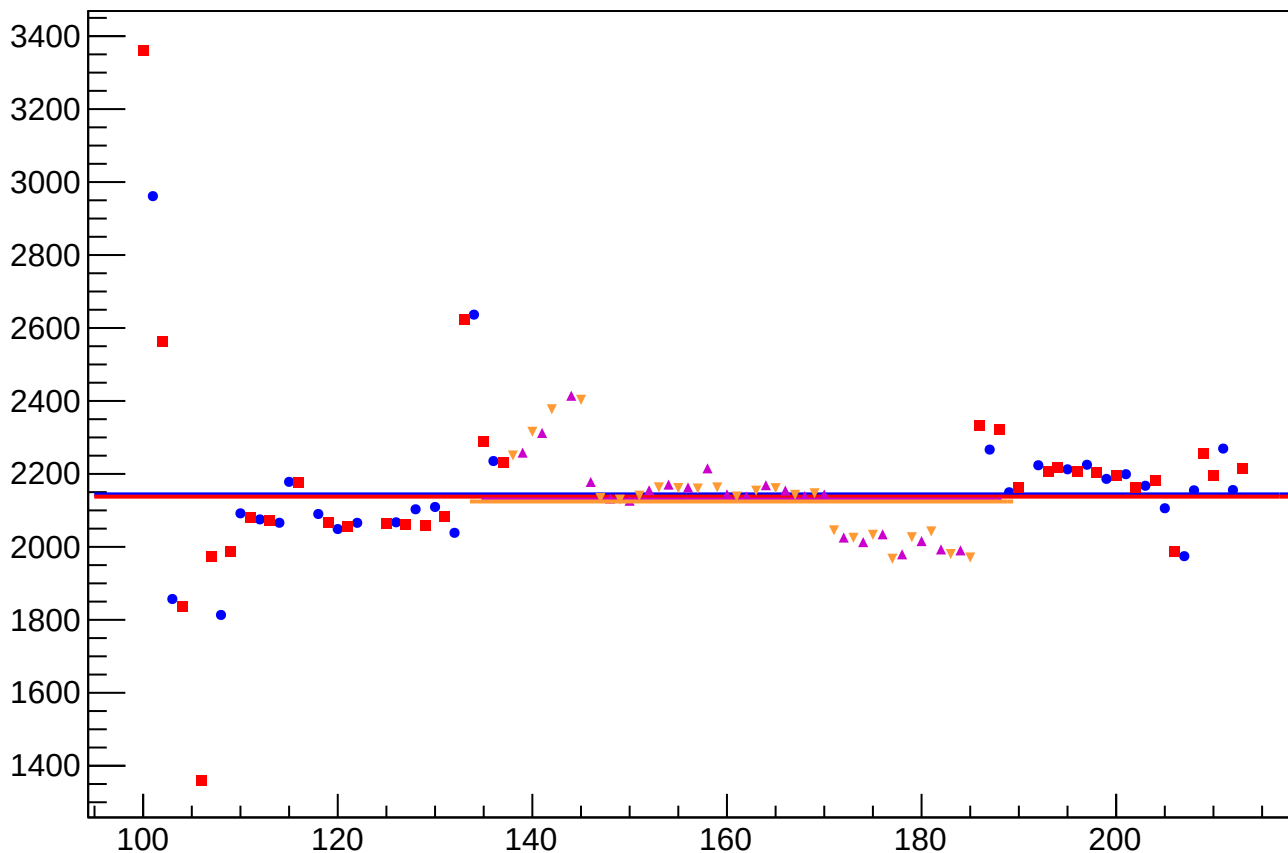
Left In: 366.759 ± 497.896 χ^2/NDF : 17.3/22

+ sign -744.618 ± 356.466 χ^2/NDF : 44.7/52

All: -475.917 ± 250.728 χ^2/NDF : 90.3/107

- sign -212.819 ± 352.731 χ^2/NDF : 44.5/54

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.894 $\pm$ 0.364 χ^2 /NDF: 220535.9/28

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2137.735 $\pm$ 0.353 χ^2 /NDF: 315221.5/31

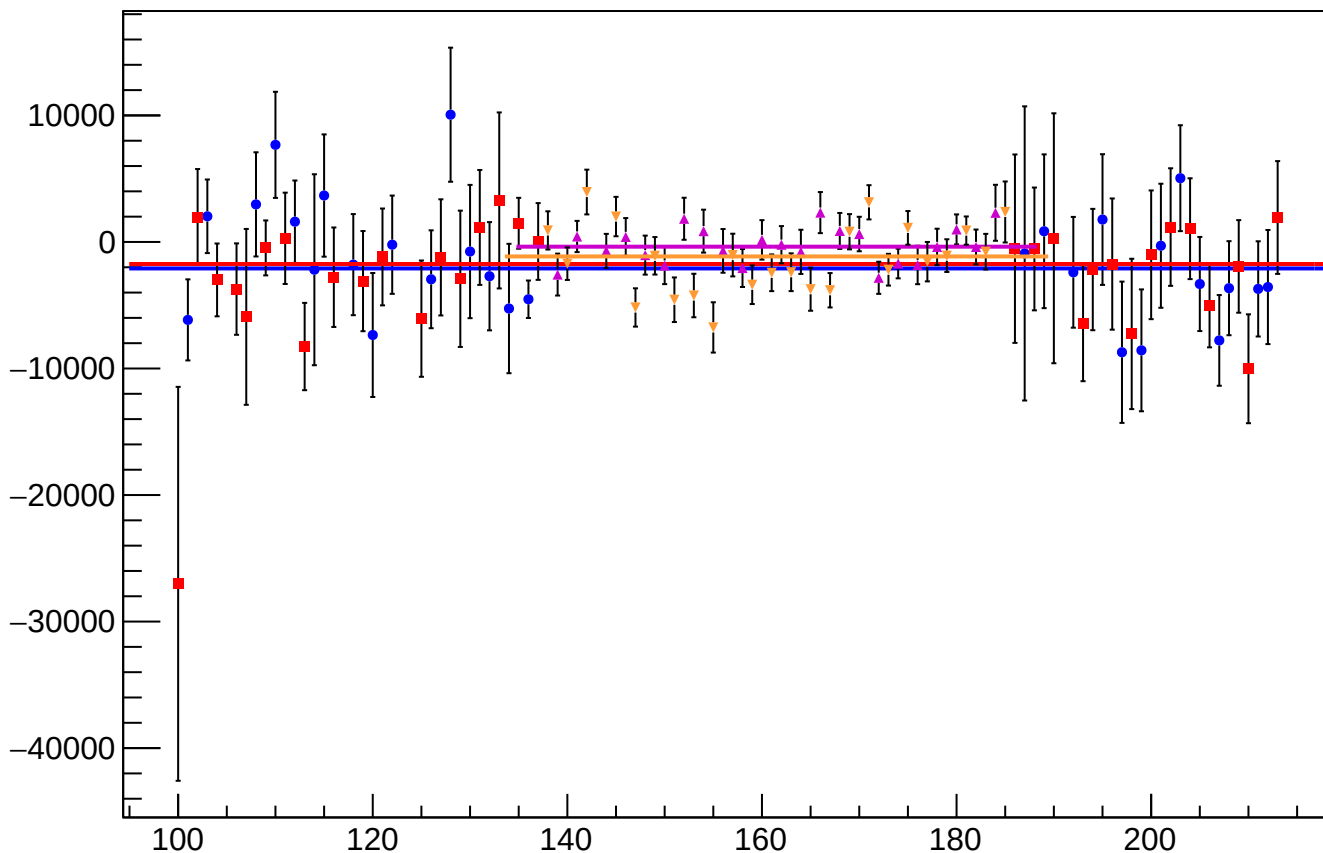
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.5/22

+ sign 2133.750 $\pm$ 0.252 χ^2 /NDF: 311206.9/52

All: 2133.776 $\pm$ 0.177 χ^2 /NDF: 712029.8/107

- sign 2133.801 $\pm$ 0.249 χ^2 /NDF: 400822.9/54

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -2093.758 ± 709.770 χ^2/NDF : 33.3/28

Left Out: -1144.817 ± 302.488 χ^2/NDF : 67.5/23

Right Out: -1742.238 ± 696.575 χ^2/NDF : 22.0/31

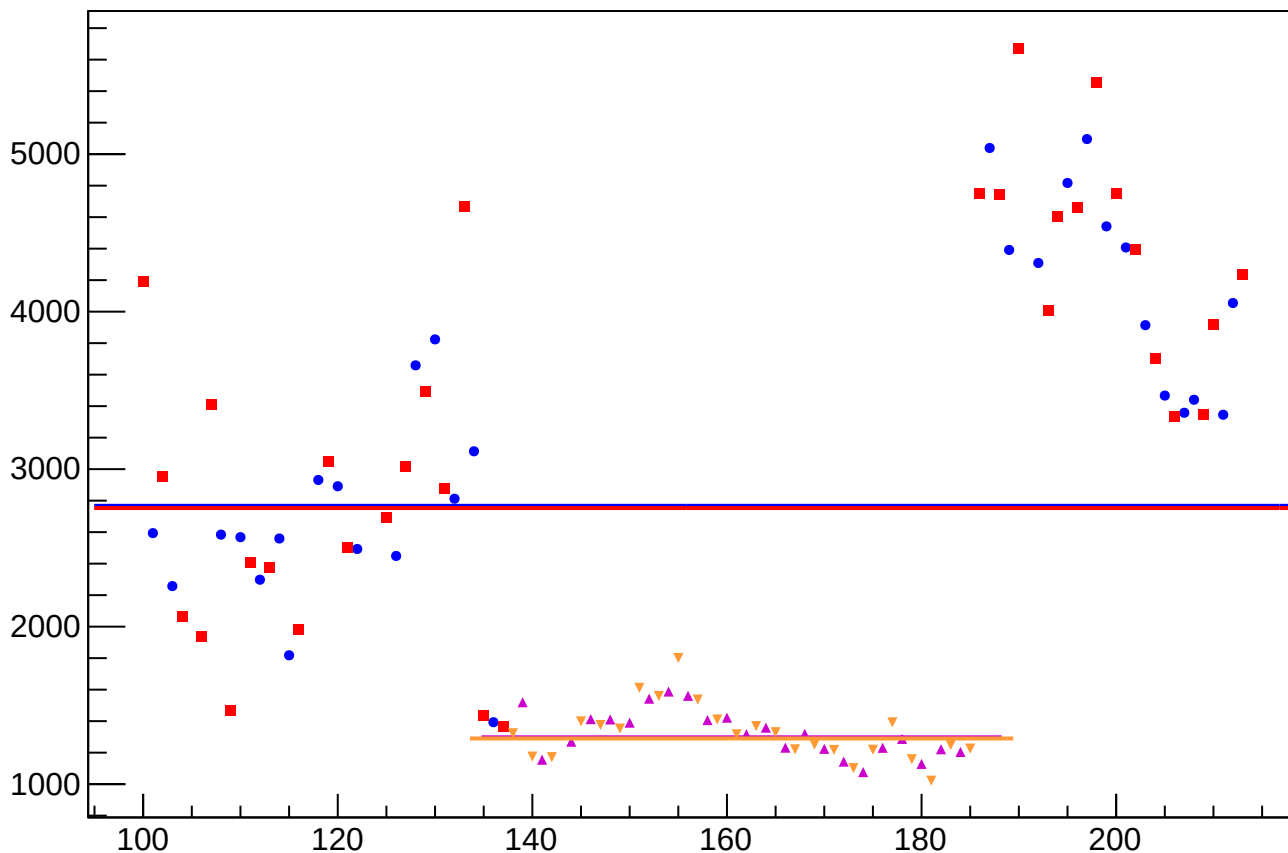
Left In: -373.302 ± 305.378 χ^2/NDF : 20.3/22

+ sign -1290.678 ± 278.271 χ^2/NDF : 102.3/52

All: -944.095 ± 197.264 χ^2/NDF : 151.0/107

- sign -593.989 ± 279.682 χ^2/NDF : 45.5/54

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2767.116 $\pm$ 0.502 χ^2 /NDF: 4269963.7/28

Left Out: 1290.029 $\pm$ 0.214 χ^2 /NDF: 567950.9/23

Right Out: 2752.961 $\pm$ 0.493 χ^2 /NDF: 5506666.6/31

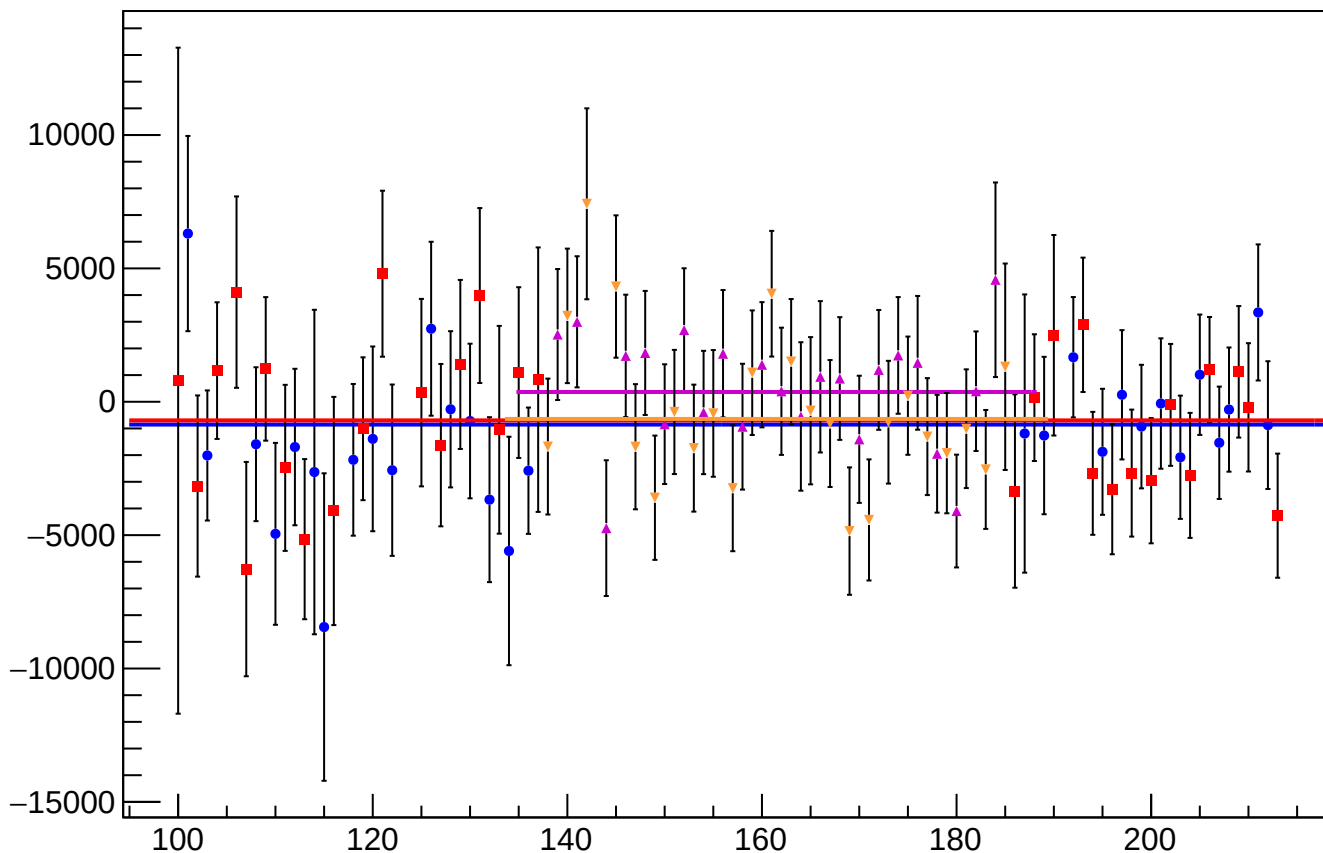
Left In: 1297.454 $\pm$ 0.216 χ^2 /NDF: 433995.4/22

+ sign 1517.072 $\pm$ 0.197 χ^2 /NDF: 12168294.1/52

All: 1524.546 $\pm$ 0.139 χ^2 /NDF: 25436319.8/100

- sign 1532.097 $\pm$ 0.198 χ^2 /NDF: 13265125.1/54

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -854.476 ± 515.248 χ^2/NDF : 17.5/28

Left Out: -643.673 ± 493.681 χ^2/NDF : 27.1/23

Right Out: -697.631 ± 501.975 χ^2/NDF : 26.3/31

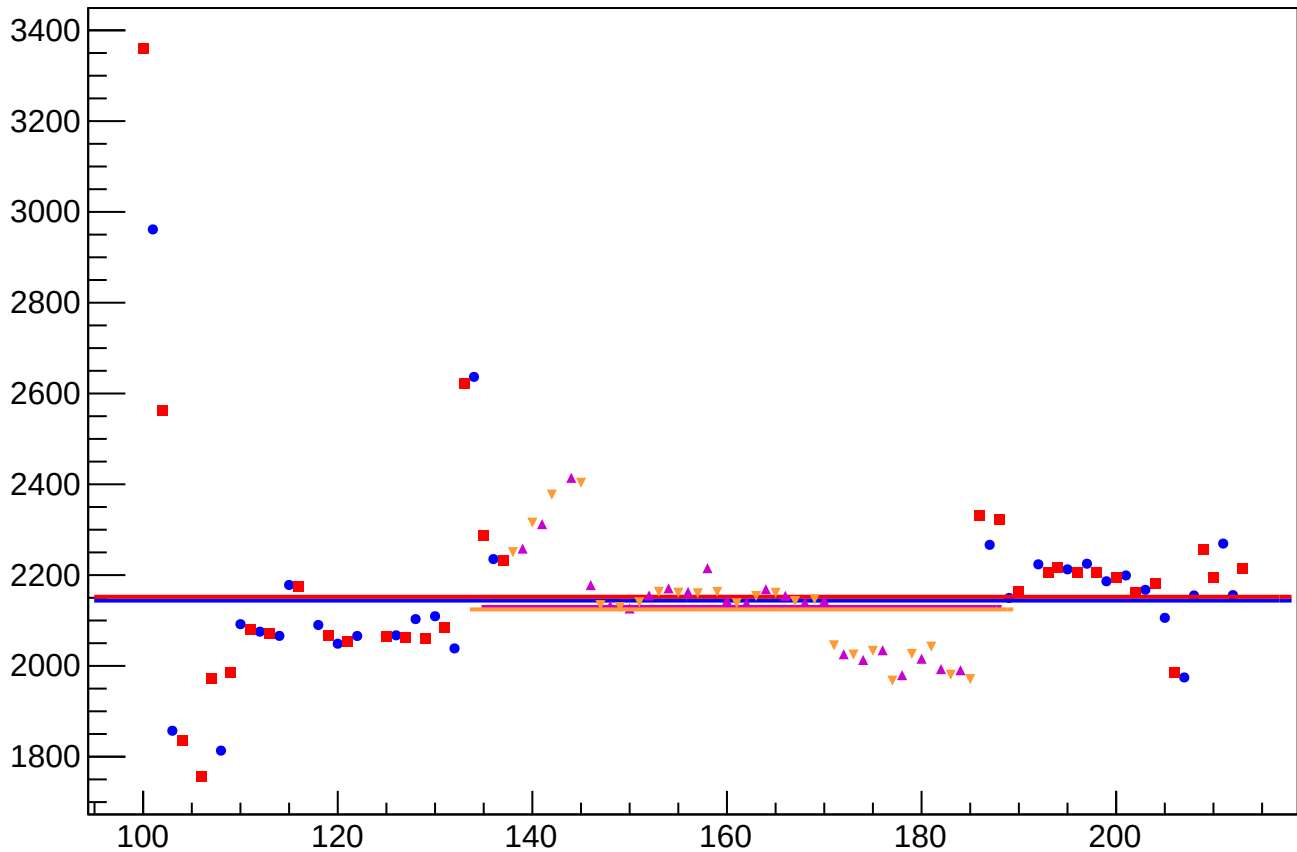
Left In: 366.649 ± 497.896 χ^2/NDF : 17.3/22

+ sign -744.570 ± 356.466 χ^2/NDF : 44.7/52

All: -450.422 ± 251.004 χ^2/NDF : 91.9/107

- sign -161.150 ± 353.499 χ^2/NDF : 45.8/54

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.894 $\pm$ 0.364 χ^2 /NDF: 220536.2/28

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2152.306 $\pm$ 0.355 χ^2 /NDF: 200251.1/31

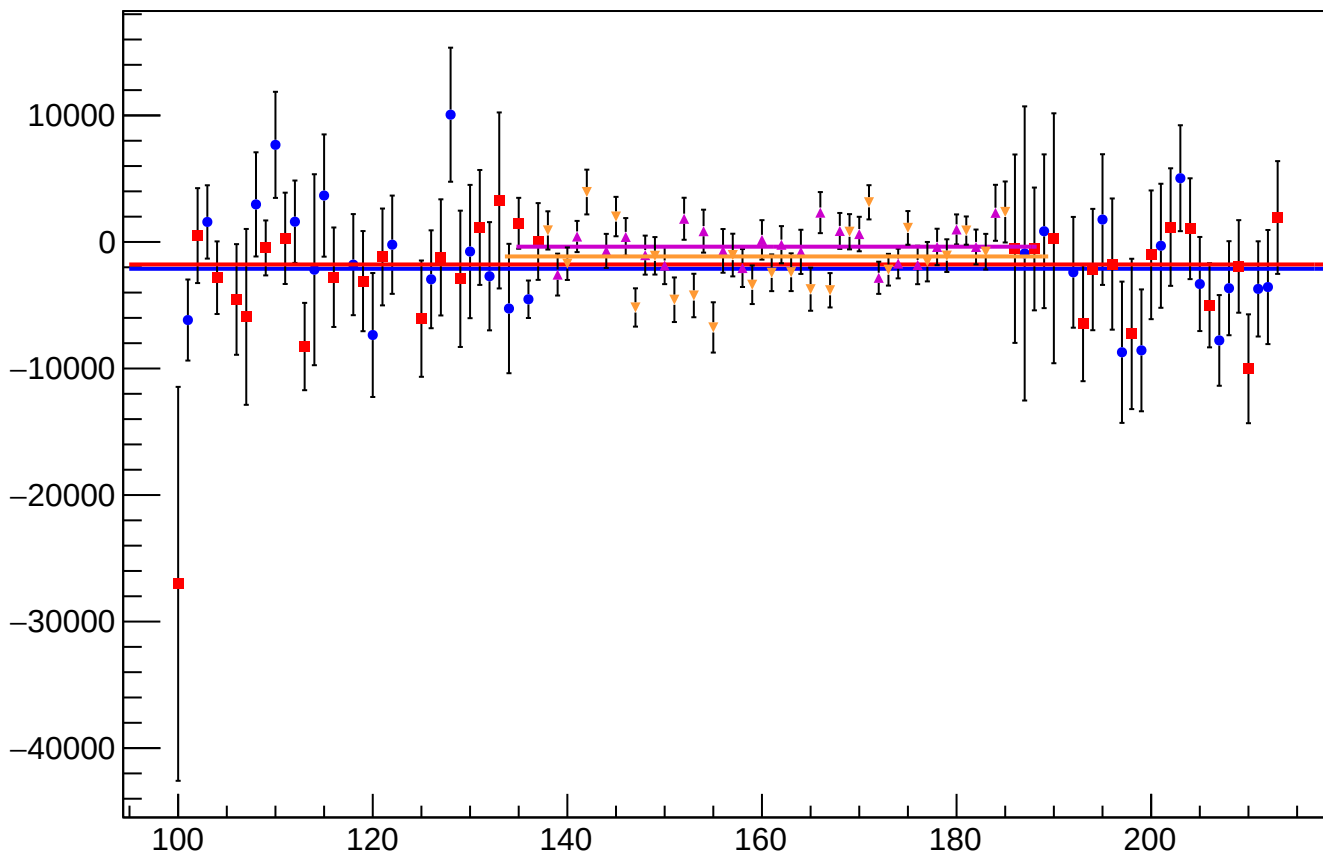
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2133.750 $\pm$ 0.252 χ^2 /NDF: 311207.2/52

All: 2137.410 $\pm$ 0.177 χ^2 /NDF: 599240.2/107

- sign 2141.010 $\pm$ 0.250 χ^2 /NDF: 287614.7/54

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -2119.379 ± 709.608 χ^2/NDF : 32.9/28

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -1777.895 ± 700.348 χ^2/NDF : 21.4/31

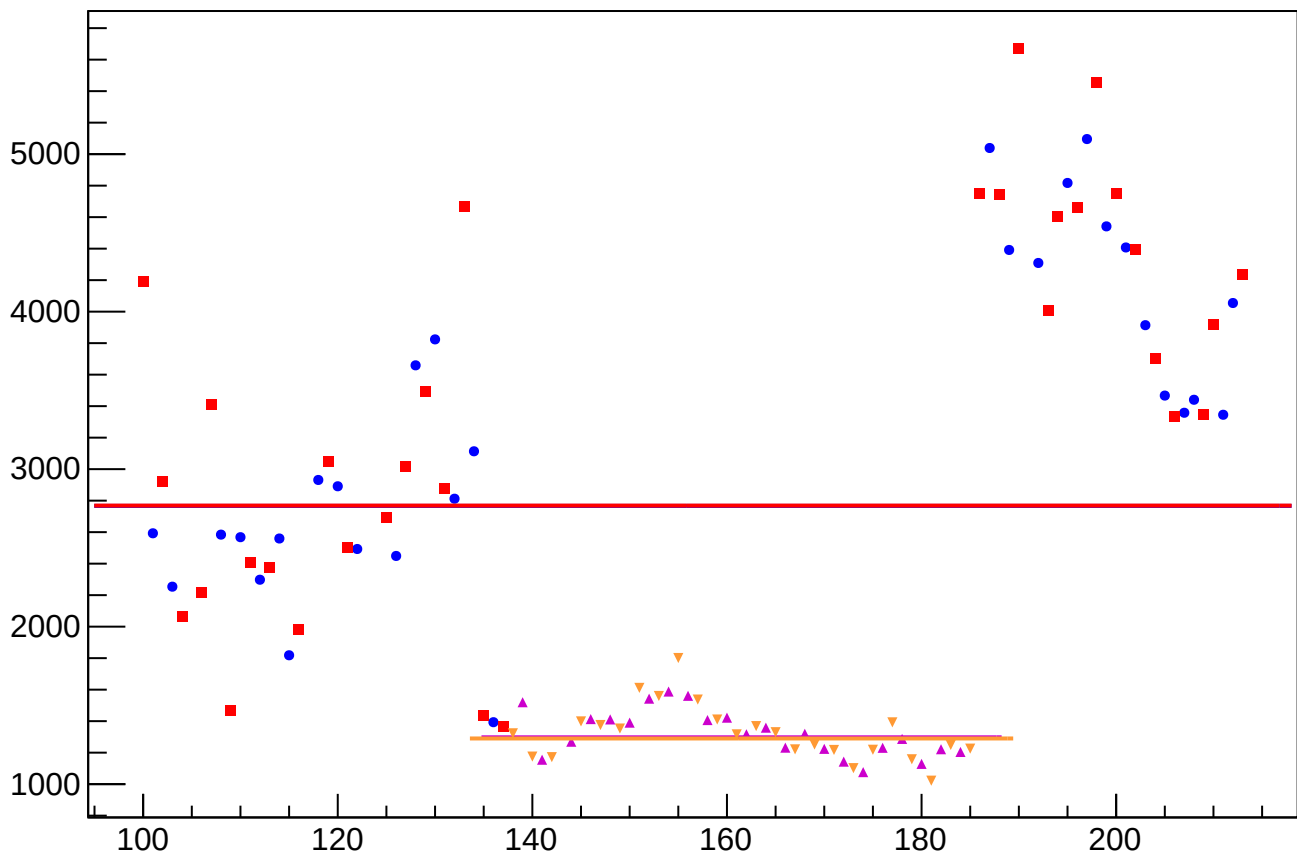
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1294.644 ± 278.263 χ^2/NDF : 102.0/52

All: -948.195 ± 197.347 χ^2/NDF : 150.2/107

- sign -597.596 ± 279.925 χ^2/NDF : 45.1/54

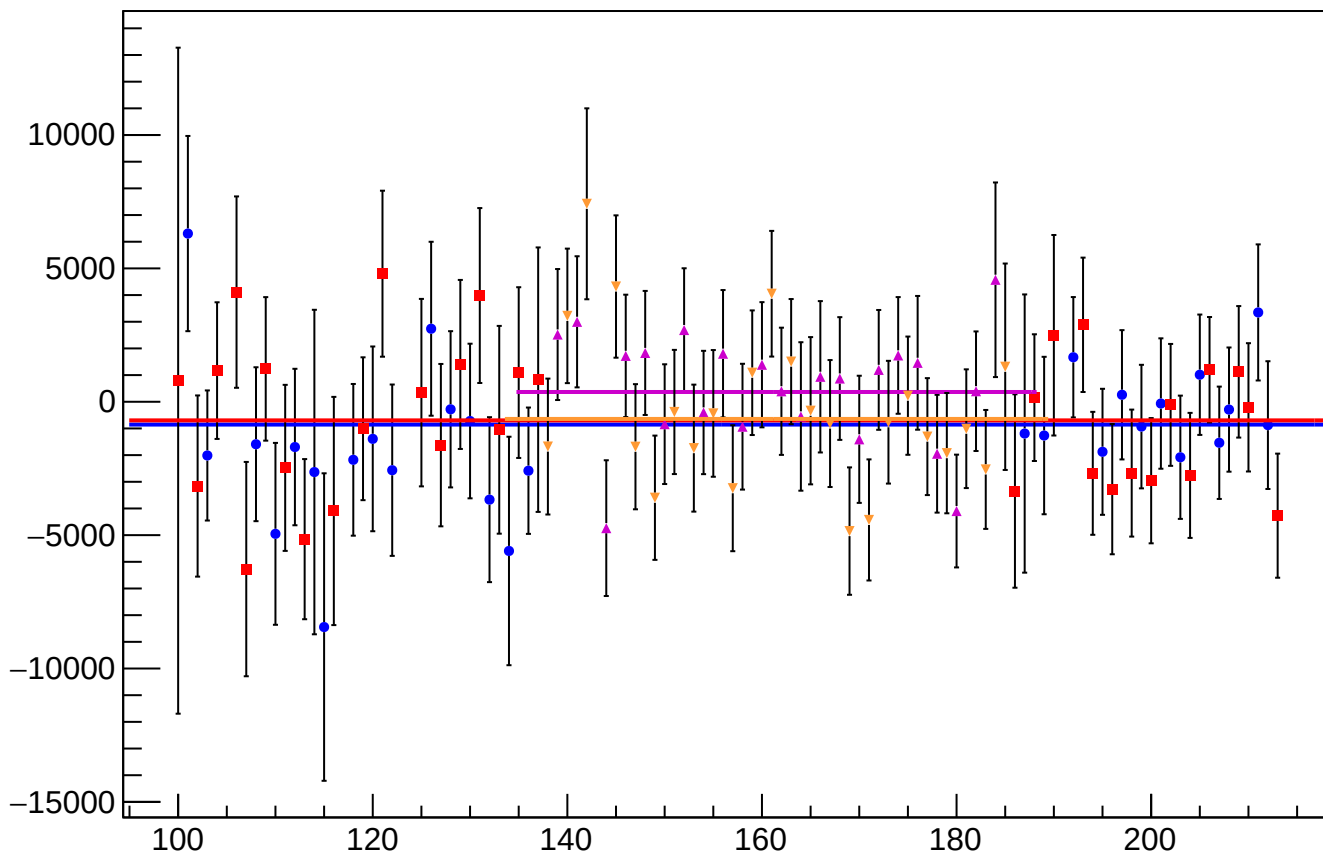
asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2766.633 $\pm$ 0.502 χ^2 /NDF: 4271300.2/28
 Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23
 Right Out: 2768.533 $\pm$ 0.495 χ^2 /NDF: 5434334.9/31
 Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1517.098 $\pm$ 0.197 χ^2 /NDF: 12167472.5/52
 All: 1524.738 $\pm$ 0.140 χ^2 /NDF: 25453275.7/1
 - sign 1532.470 $\pm$ 0.198 χ^2 /NDF: 13282769.6/54

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -854.476 ± 515.248 $\chi^2/\text{NDF}: 17.5/28$

Left Out: -643.673 ± 493.681 $\chi^2/\text{NDF}: 27.1/23$

Right Out: -697.631 ± 501.975 $\chi^2/\text{NDF}: 26.3/31$

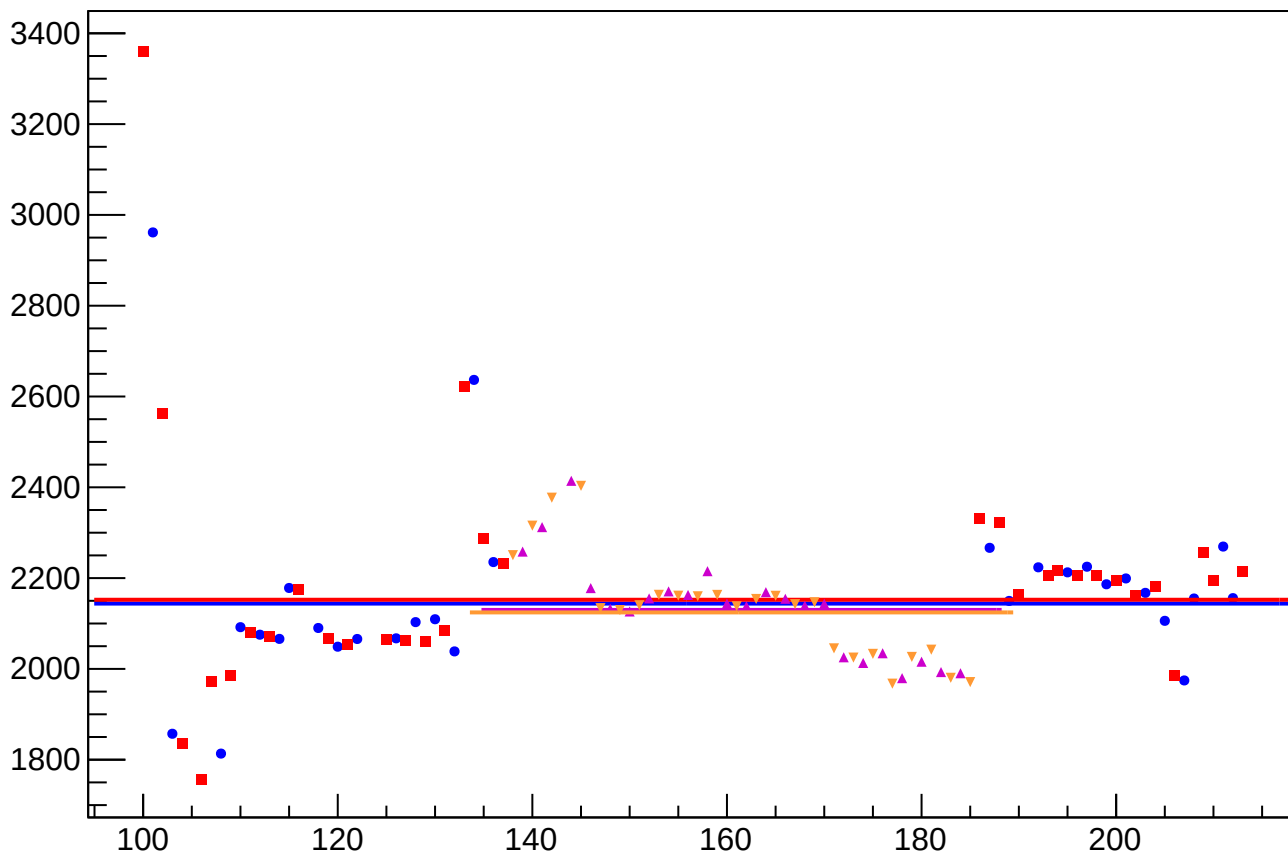
Left In: 366.649 ± 497.896 $\chi^2/\text{NDF}: 17.3/22$

+ sign -744.570 ± 356.466 $\chi^2/\text{NDF}: 44.7/52$

All: -450.422 ± 251.004 $\chi^2/\text{NDF}: 91.9/107$

- sign -161.150 ± 353.499 $\chi^2/\text{NDF}: 45.8/54$

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2143.894 $\pm$ 0.364 χ^2 /NDF: 220536.2/28

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2152.306 $\pm$ 0.355 χ^2 /NDF: 200251.1/31

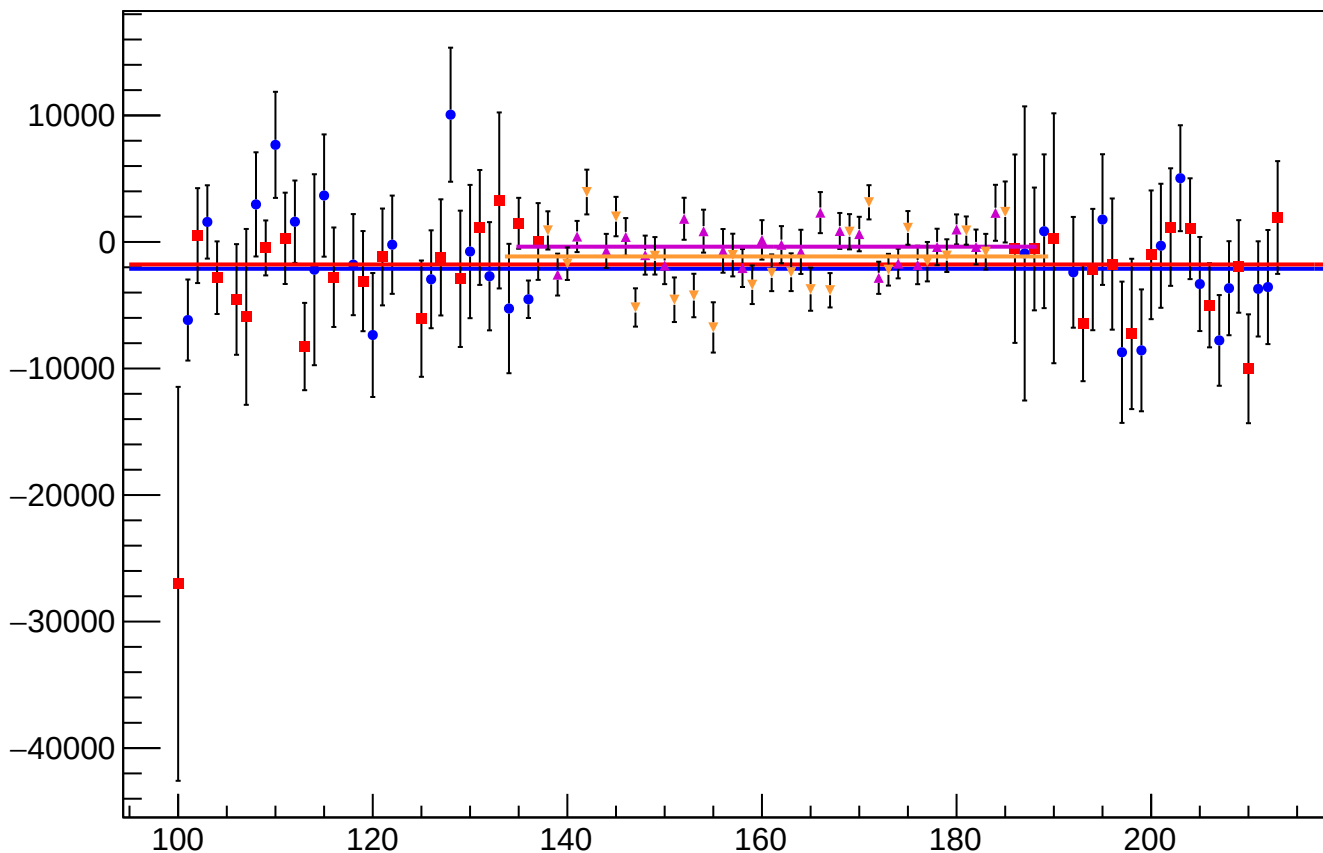
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2133.750 $\pm$ 0.252 χ^2 /NDF: 311207.2/52

All: 2137.410 $\pm$ 0.177 χ^2 /NDF: 599240.2/107

- sign 2141.010 $\pm$ 0.250 χ^2 /NDF: 287614.7/54

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -2119.379 $\pm$ 709.608 χ^2 /NDF: 32.9/28

Left Out: -1144.779 $\pm$ 302.490 χ^2 /NDF: 67.5/23

Right Out: -1777.895 $\pm$ 700.348 χ^2 /NDF: 21.4/31

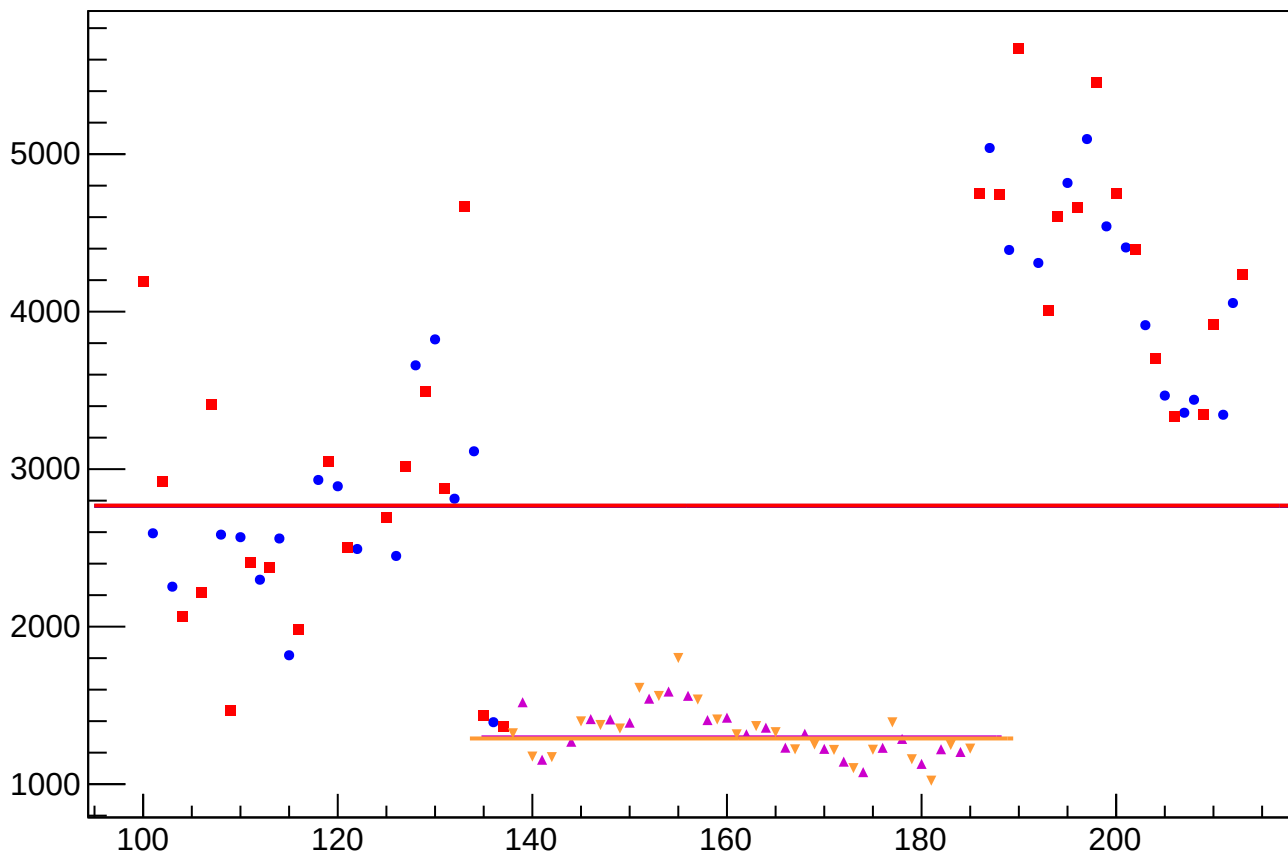
Left In: -373.186 $\pm$ 305.379 χ^2 /NDF: 20.3/22

+ sign -1294.644 $\pm$ 278.263 χ^2 /NDF: 102.0/52

All: -948.195 $\pm$ 197.347 χ^2 /NDF: 150.2/107

- sign -597.596 $\pm$ 279.925 χ^2 /NDF: 45.1/54

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2766.633 $\pm$ 0.502 χ^2 /NDF: 4271300.2/28

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2768.533 $\pm$ 0.495 χ^2 /NDF: 5434334.9/31

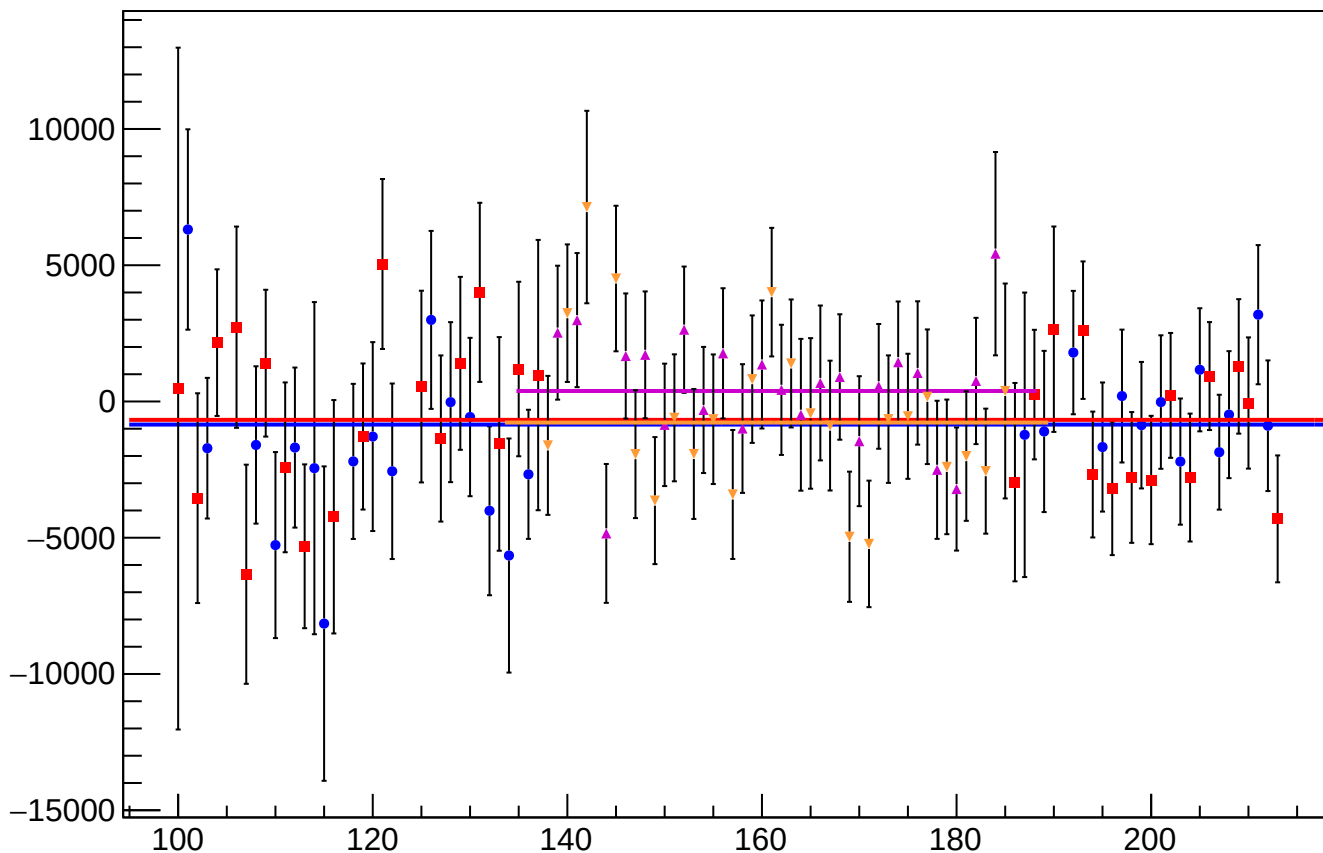
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1517.098 $\pm$ 0.197 χ^2 /NDF: 12167472.5/52

All: 1524.738 $\pm$ 0.140 χ^2 /NDF: 25453275.7/100

- sign 1532.470 $\pm$ 0.198 χ^2 /NDF: 13282769.6/54

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -847.267 ± 517.460 χ^2/NDF : 18.0/28

Left Out: -773.579 ± 502.816 χ^2/NDF : 28.6/23

Right Out: -674.453 ± 505.403 χ^2/NDF : 26.3/31

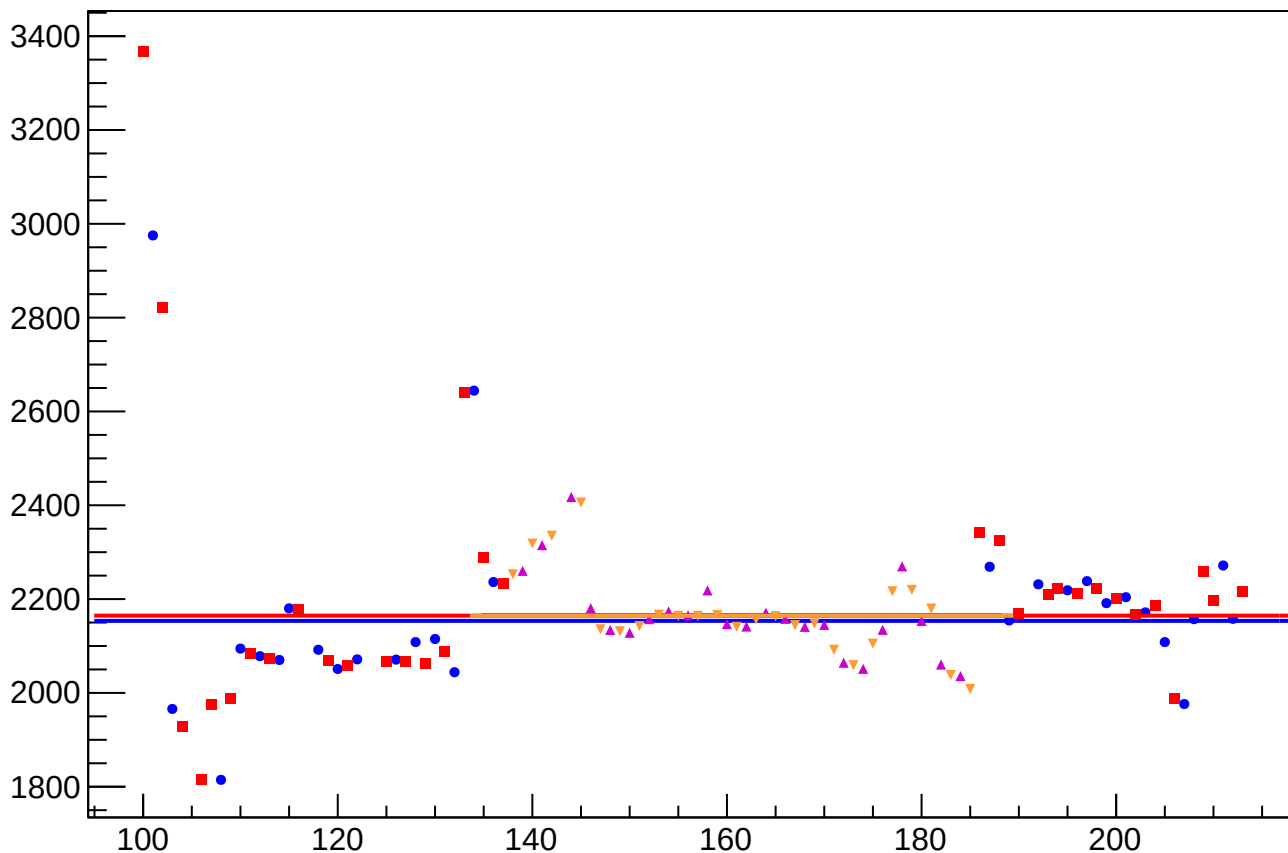
Left In: 385.269 ± 506.052 χ^2/NDF : 15.6/22

+ sign -809.365 ± 360.611 χ^2/NDF : 46.5/52

All: -474.538 ± 253.920 χ^2/NDF : 92.4/107

- sign -145.272 ± 357.603 χ^2/NDF : 44.1/54

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.566 $\pm$ 0.366 χ^2 /NDF: 205507.1/28

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2164.729 $\pm$ 0.357 χ^2 /NDF: 208997.4/31

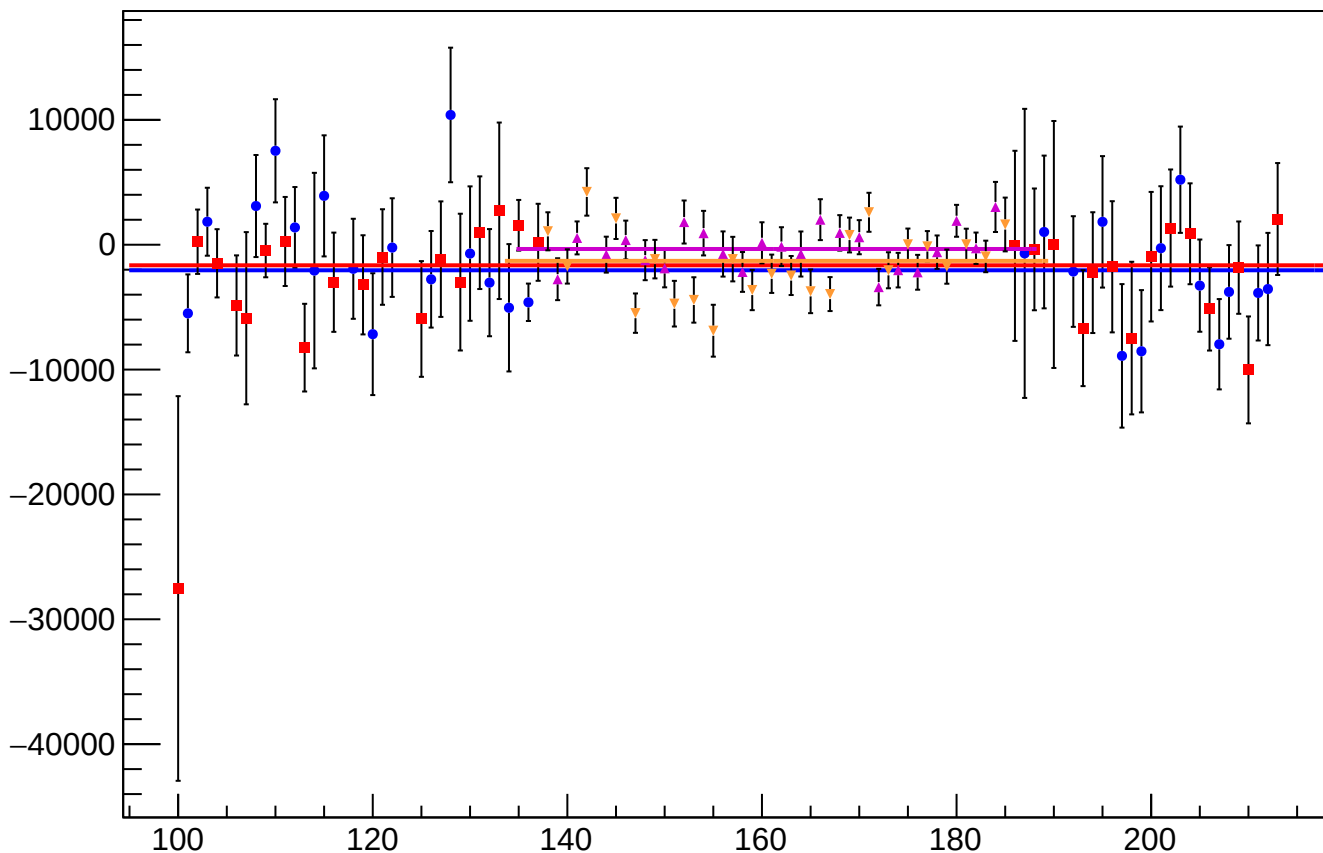
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.5/22

+ sign 2159.206 $\pm$ 0.255 χ^2 /NDF: 256645.4/52

All: 2162.221 $\pm$ 0.180 χ^2 /NDF: 518047.7/107

- sign 2165.185 $\pm$ 0.253 χ^2 /NDF: 261125.1/54

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -2047.092 ± 710.475 χ^2/NDF : 33.3/28

Left Out: -1293.716 ± 310.622 χ^2/NDF : 58.7/23

Right Out: -1648.323 ± 686.642 χ^2/NDF : 22.0/31

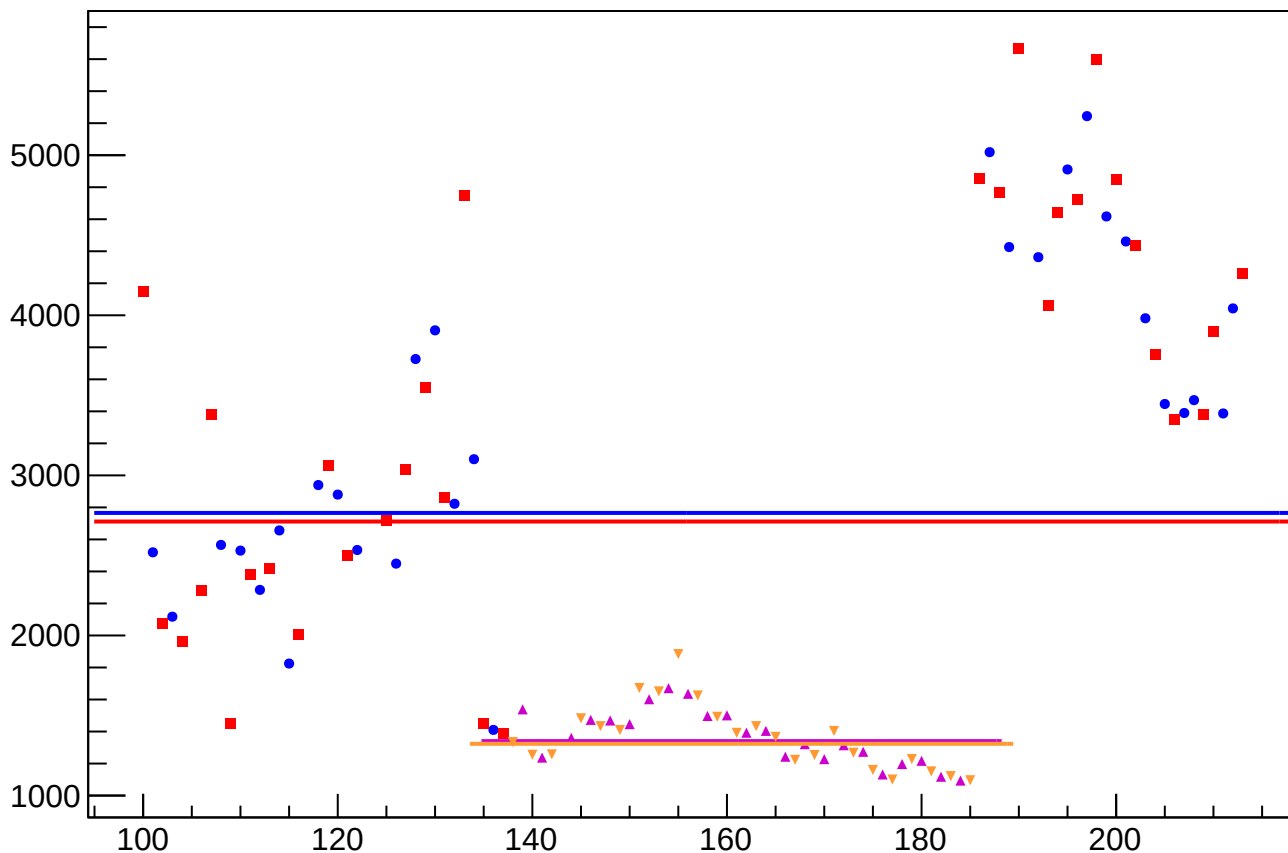
Left In: -341.259 ± 315.566 χ^2/NDF : 24.8/22

+ sign -1414.612 ± 284.609 χ^2/NDF : 92.9/52

All: -995.044 ± 201.996 χ^2/NDF : 147.0/107

- sign -569.186 ± 286.735 χ^2/NDF : 49.7/54

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2765.549 $\pm$ 0.502 χ^2 /NDF: 4363728.4/28

Left Out: 1323.402 $\pm$ 0.220 χ^2 /NDF: 663859.2/23

Right Out: 2711.811 $\pm$ 0.486 χ^2 /NDF: 5700997.4/31

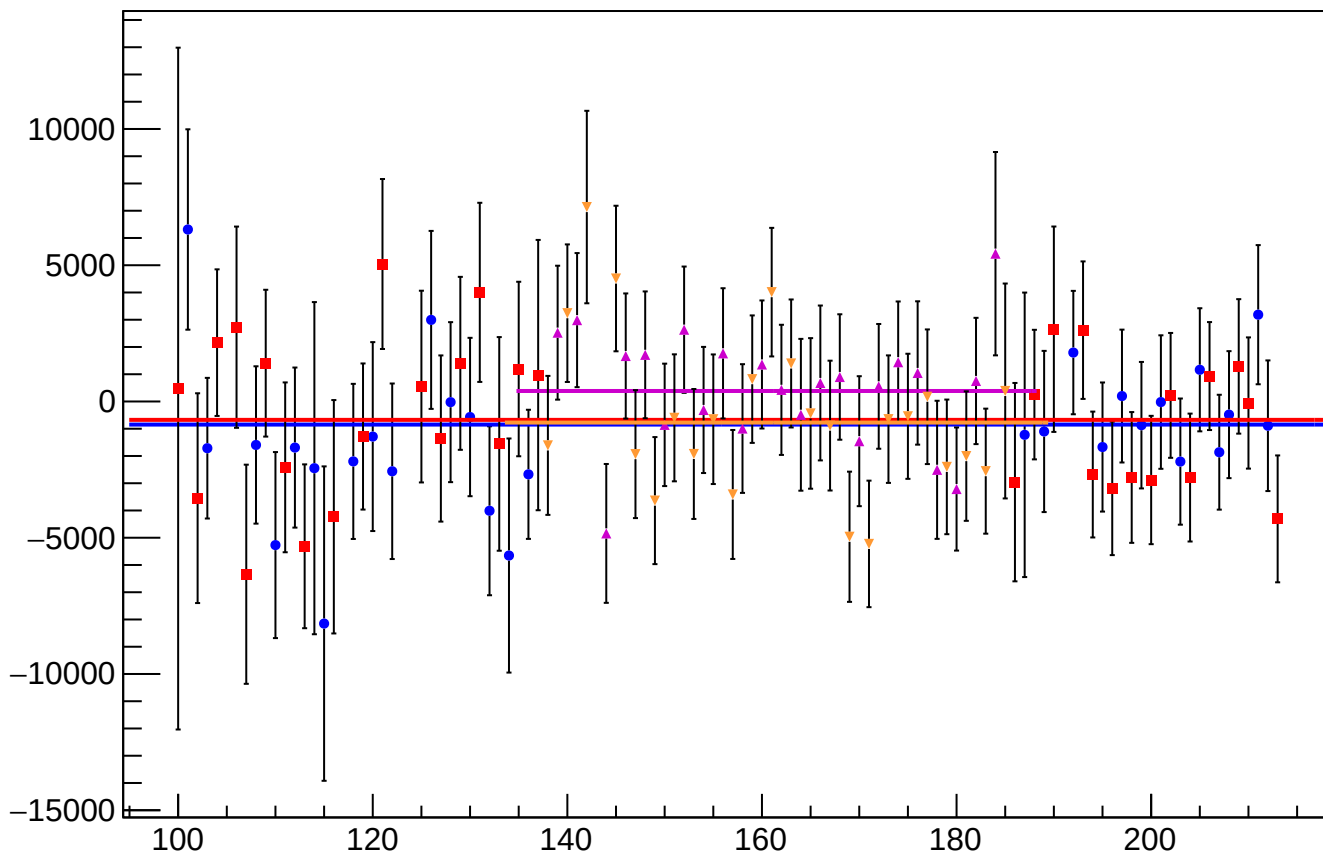
Left In: 1340.084 $\pm$ 0.223 χ^2 /NDF: 494267.4/22

+ sign 1554.828 $\pm$ 0.201 χ^2 /NDF: 11945677.6/52

All: 1566.967 $\pm$ 0.143 χ^2 /NDF: 24738257.3/100

- sign 1579.288 $\pm$ 0.203 χ^2 /NDF: 12785248.4/54

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -847.263 ± 517.460 $\chi^2/\text{NDF}: 18.0/28$

Left Out: -773.576 ± 502.816 $\chi^2/\text{NDF}: 28.6/23$

Right Out: -674.450 ± 505.403 $\chi^2/\text{NDF}: 26.3/31$

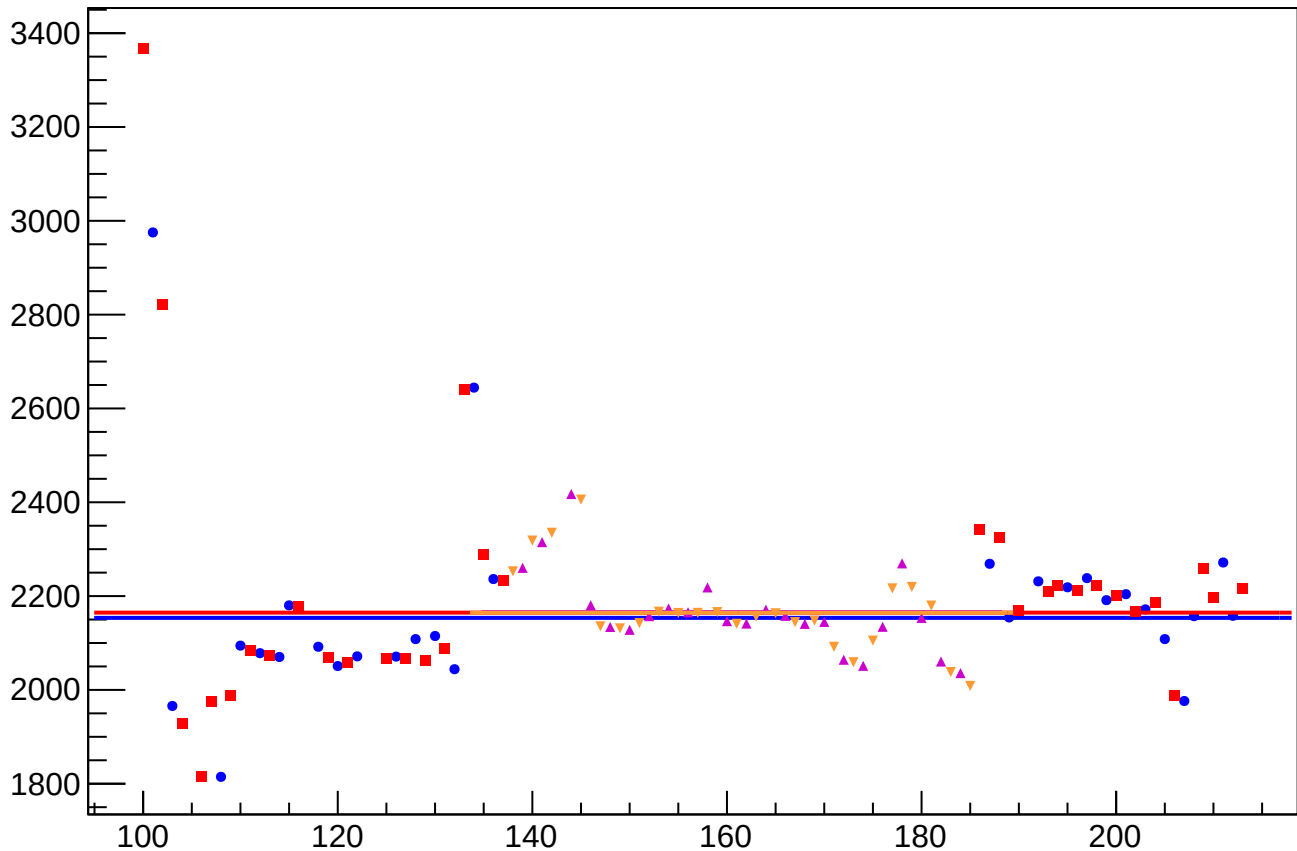
Left In: 385.269 ± 506.052 $\chi^2/\text{NDF}: 15.6/22$

+ sign -809.362 ± 360.611 $\chi^2/\text{NDF}: 46.5/52$

All: -474.536 ± 253.920 $\chi^2/\text{NDF}: 92.4/107$

- sign -145.270 ± 357.603 $\chi^2/\text{NDF}: 44.1/54$

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.566 $\pm$ 0.366 χ^2 /NDF: 205507.0/28

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2164.728 $\pm$ 0.357 χ^2 /NDF: 208997.3/31

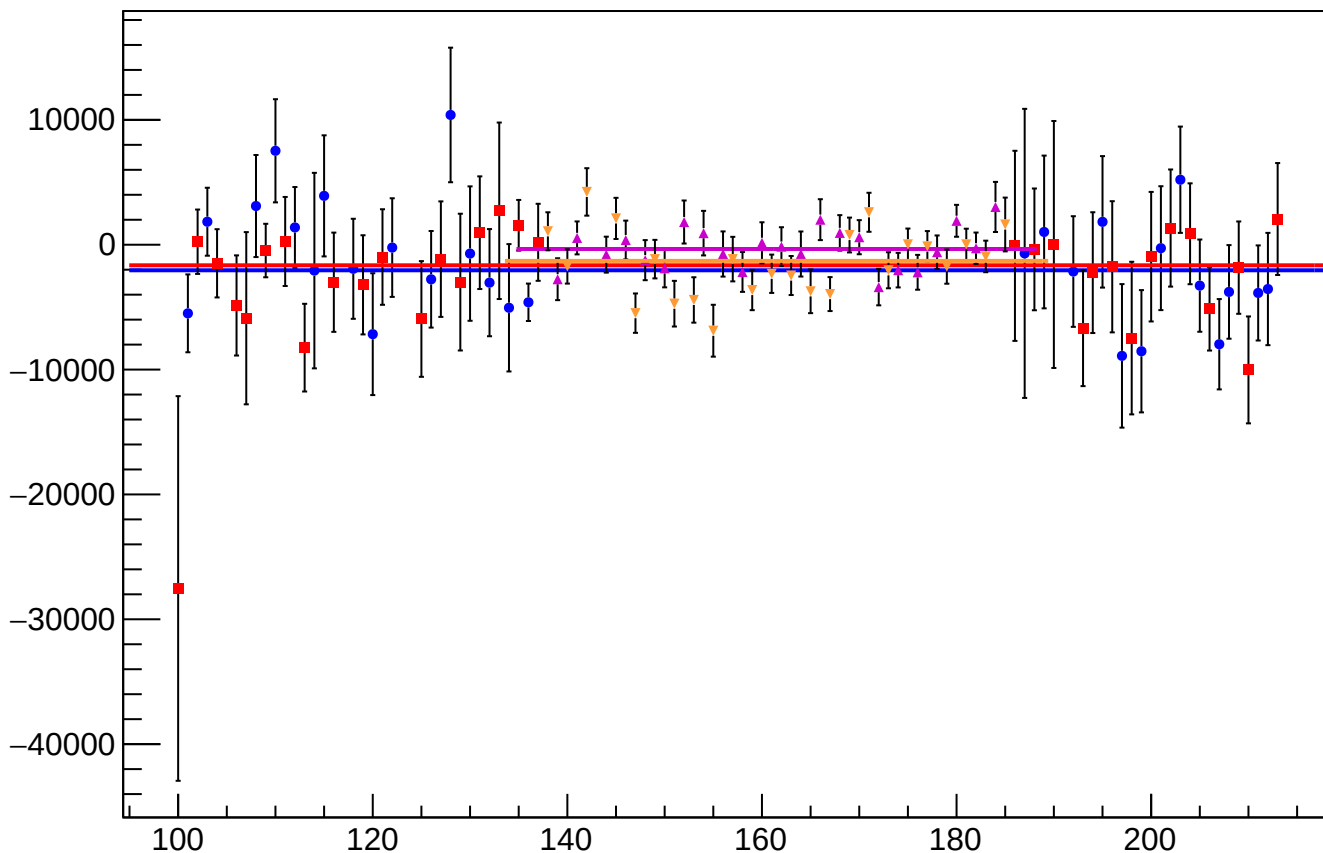
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.4/22

+ sign 2159.206 $\pm$ 0.255 χ^2 /NDF: 256645.3/52

All: 2162.221 $\pm$ 0.180 χ^2 /NDF: 518047.5/107

- sign 2165.185 $\pm$ 0.253 χ^2 /NDF: 261125.0/54

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -2047.085 ± 710.476 χ^2/NDF : 33.3/28

Left Out: -1293.717 ± 310.622 χ^2/NDF : 58.7/23

Right Out: -1648.336 ± 686.644 χ^2/NDF : 22.0/31

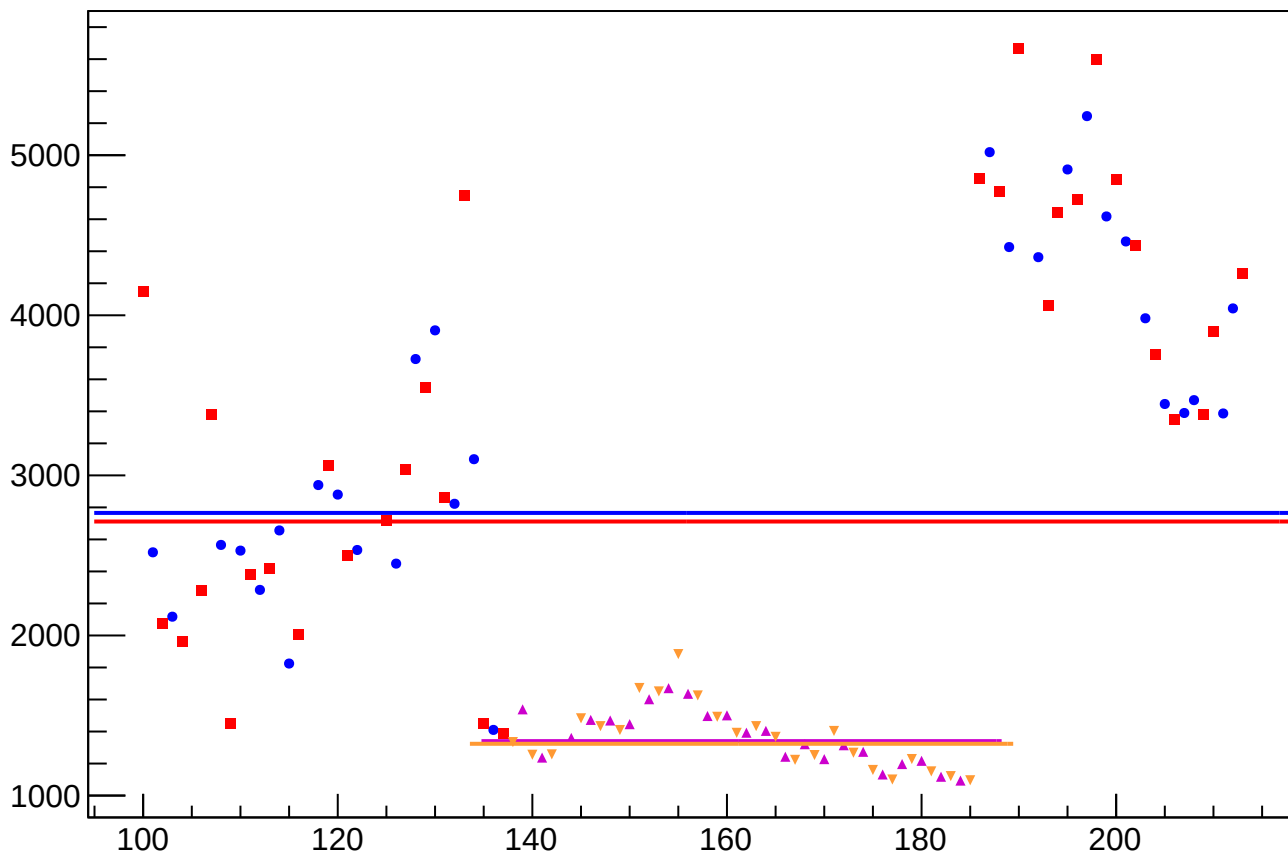
Left In: -341.256 ± 315.566 χ^2/NDF : 24.8/22

+ sign -1414.611 ± 284.610 χ^2/NDF : 92.9/52

All: -995.042 ± 201.996 χ^2/NDF : 147.0/107

- sign -569.185 ± 286.734 χ^2/NDF : 49.7/54

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 2765.560 $\pm$ 0.502 χ^2 /NDF: 4363626.9/28

Left Out: 1323.402 $\pm$ 0.220 χ^2 /NDF: 663857.6/23

Right Out: 2711.823 $\pm$ 0.486 χ^2 /NDF: 5700900.4/31

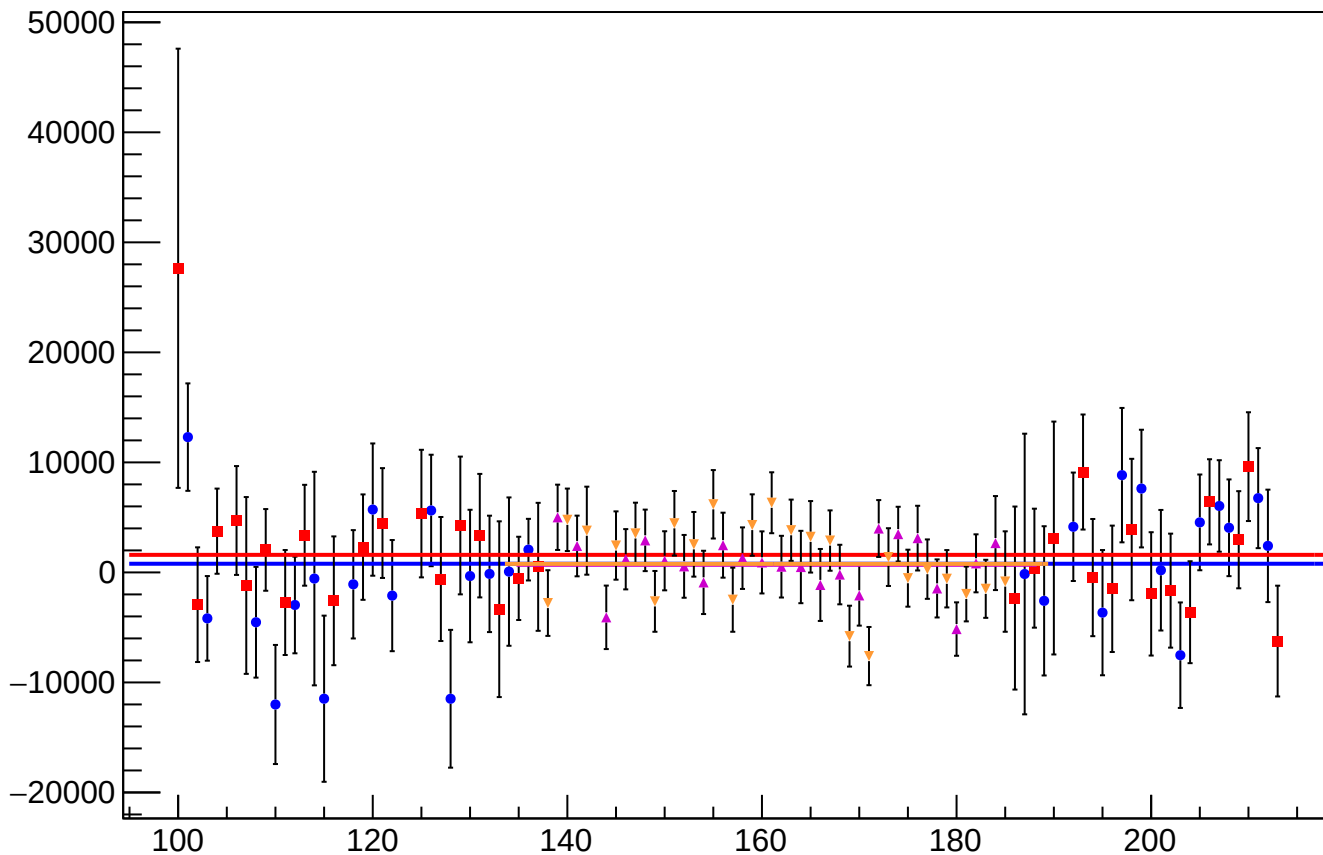
Left In: 1340.083 $\pm$ 0.223 χ^2 /NDF: 494276.1/22

+ sign 1554.828 $\pm$ 0.201 χ^2 /NDF: 11945653.8/52

All: 1566.967 $\pm$ 0.143 χ^2 /NDF: 24738245.2/100

- sign 1579.287 $\pm$ 0.203 χ^2 /NDF: 12785261.0/54

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 787.335 $\pm$ 938.182 χ^2 /NDF: 35.9/28

Left Out: 774.788 $\pm$ 583.692 χ^2 /NDF:39.3/23

Right Out: 1595.772 $\pm$ 924.074 χ^2 /NDF: 18.4/31

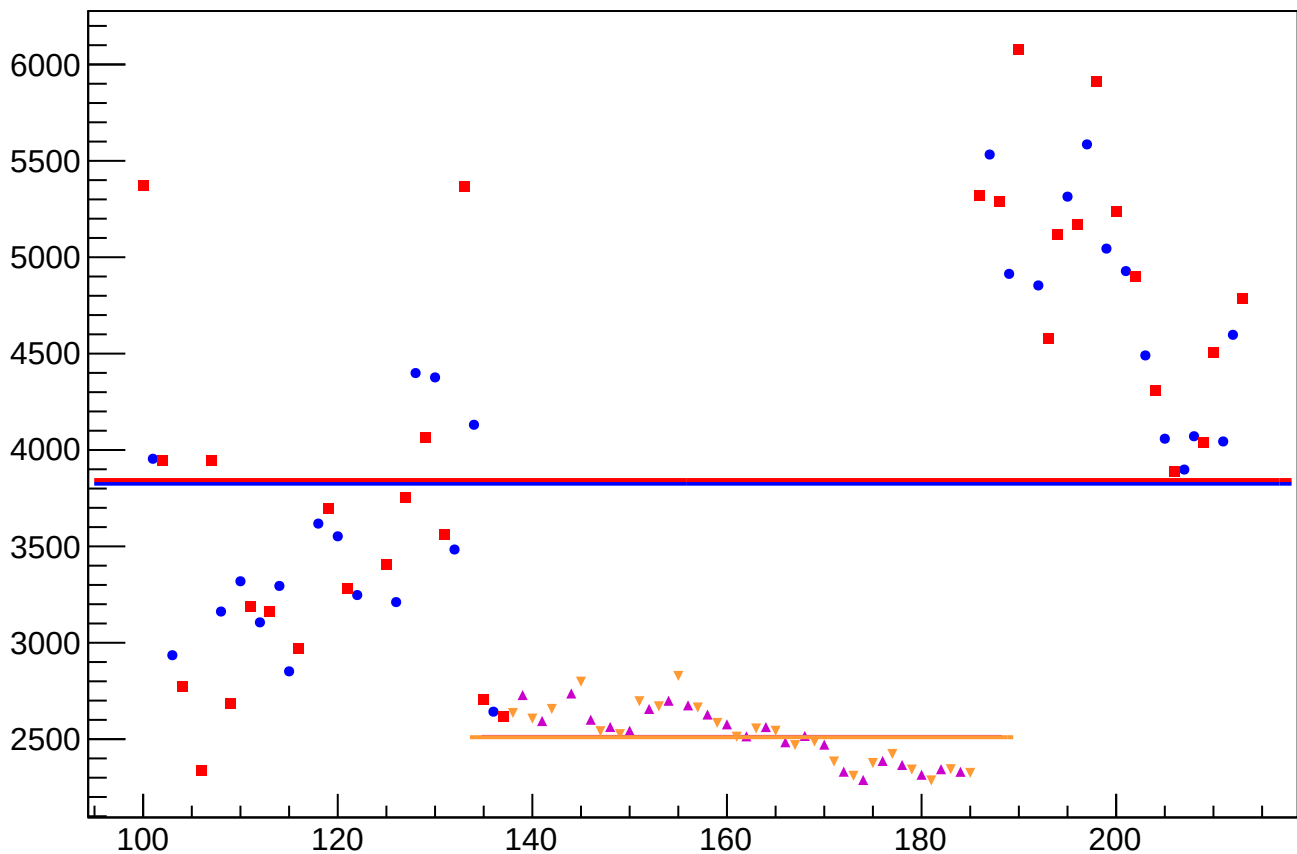
Left In: 689.981 $\pm$ 587.431 χ^2 /NDF:18.3/22

+ sign 778.289 $\pm$ 495.603 χ^2 /NDF: 75.3/52

All: 864.457 $\pm$ 350.494 χ^2 /NDF: 112.8/107

- sign 950.672 $\pm$ 495.742 χ^2 /NDF: 37.4/54

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3825.349 $\pm$ 0.663 χ^2 /NDF: 1483692.2/28

Left Out: 2510.069 $\pm$ 0.413 χ^2 /NDF:128632.5/23

Right Out: 3844.093 $\pm$ 0.653 χ^2 /NDF: 2162060.2/31

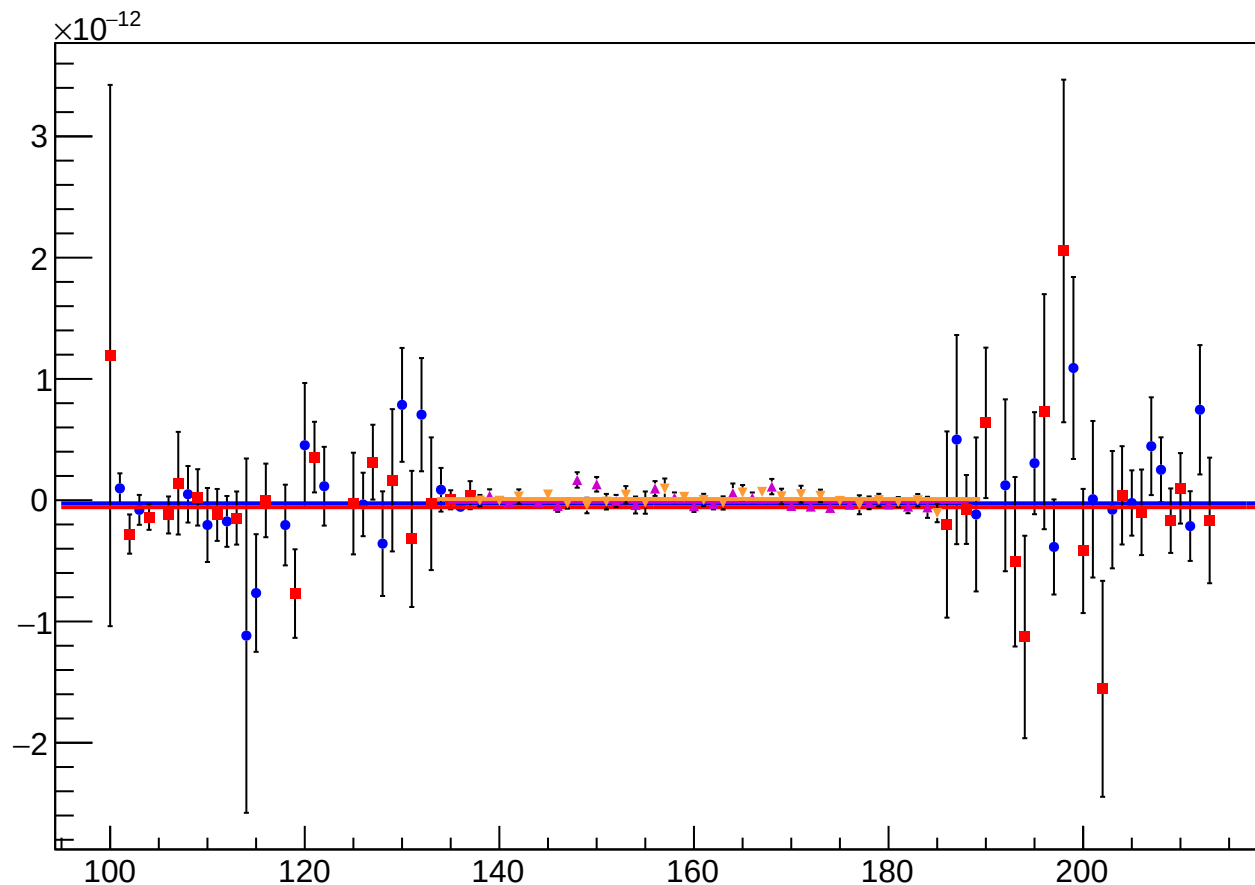
Left In: 2511.613 $\pm$ 0.415 χ^2 /NDF:113485.5/22

+ sign 2877.108 $\pm$ 0.350 χ^2 /NDF: 4446281.6/52

All: 2886.108 $\pm$ 0.248 χ^2 /NDF: 9684853.2/10

- sign 2895.112 $\pm$ 0.351 χ^2 /NDF: 5237252.3/54

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/31

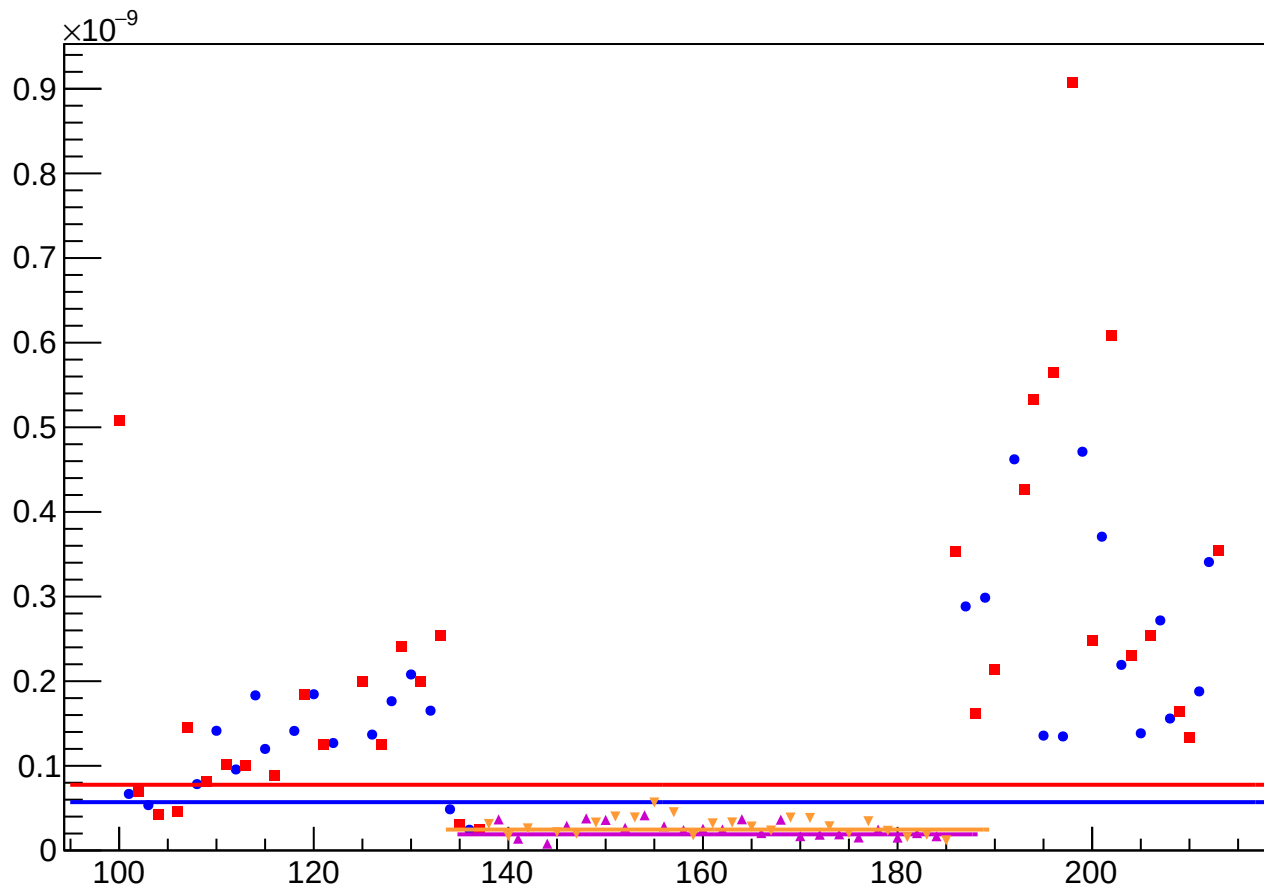
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:30.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.6/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 93.3/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/54

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7072270.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7904926.1/31

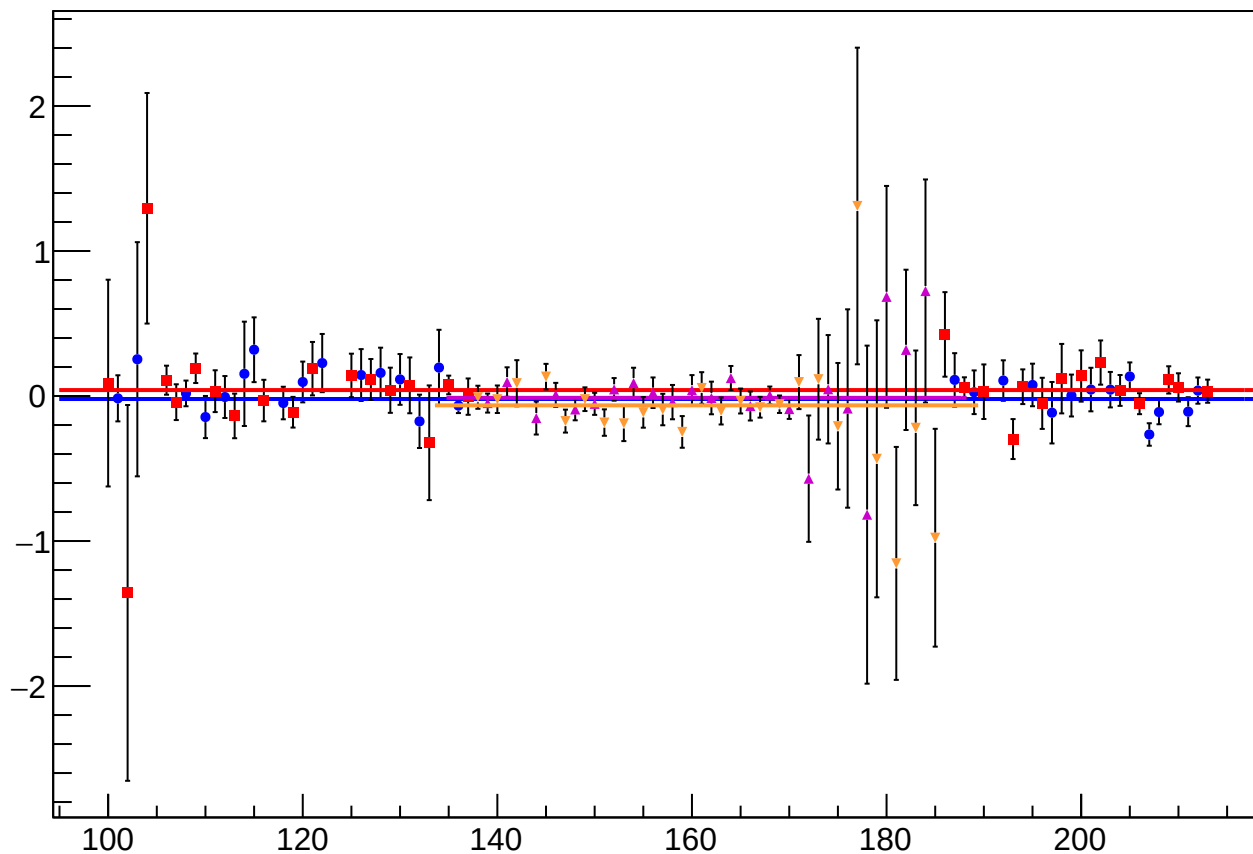
Left In: 0.000+/-0.000 χ^2/NDF : 2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10259537.6/52

All: 0.000+/-0.000 χ^2/NDF : 24750193.5/107

- sign 0.000+/-0.000 χ^2/NDF : 14056866.3/54

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.023 χ^2/NDF : 28.0/28

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.041 ± 0.022 χ^2/NDF : 25.5/31

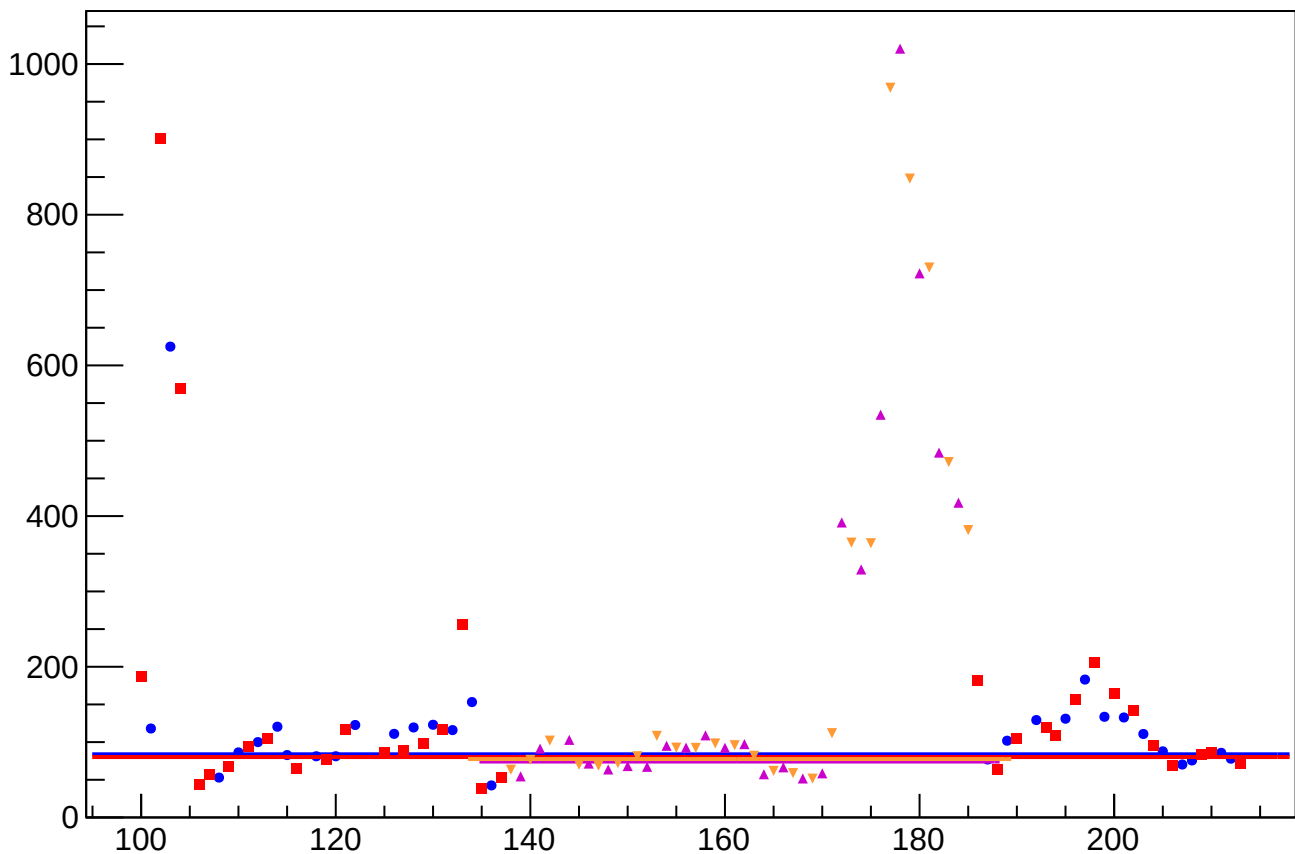
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.016 χ^2/NDF : 52.2/52

All: -0.013 ± 0.011 χ^2/NDF : 102.5/107

- sign 0.014 ± 0.015 χ^2/NDF : 43.6/54

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 83.814 $\pm$ 0.016 χ^2 /NDF: 4598431.0/28

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF:8331194.0/23

Right Out: 80.182 $\pm$ 0.015 χ^2 /NDF: 6080193.8/31

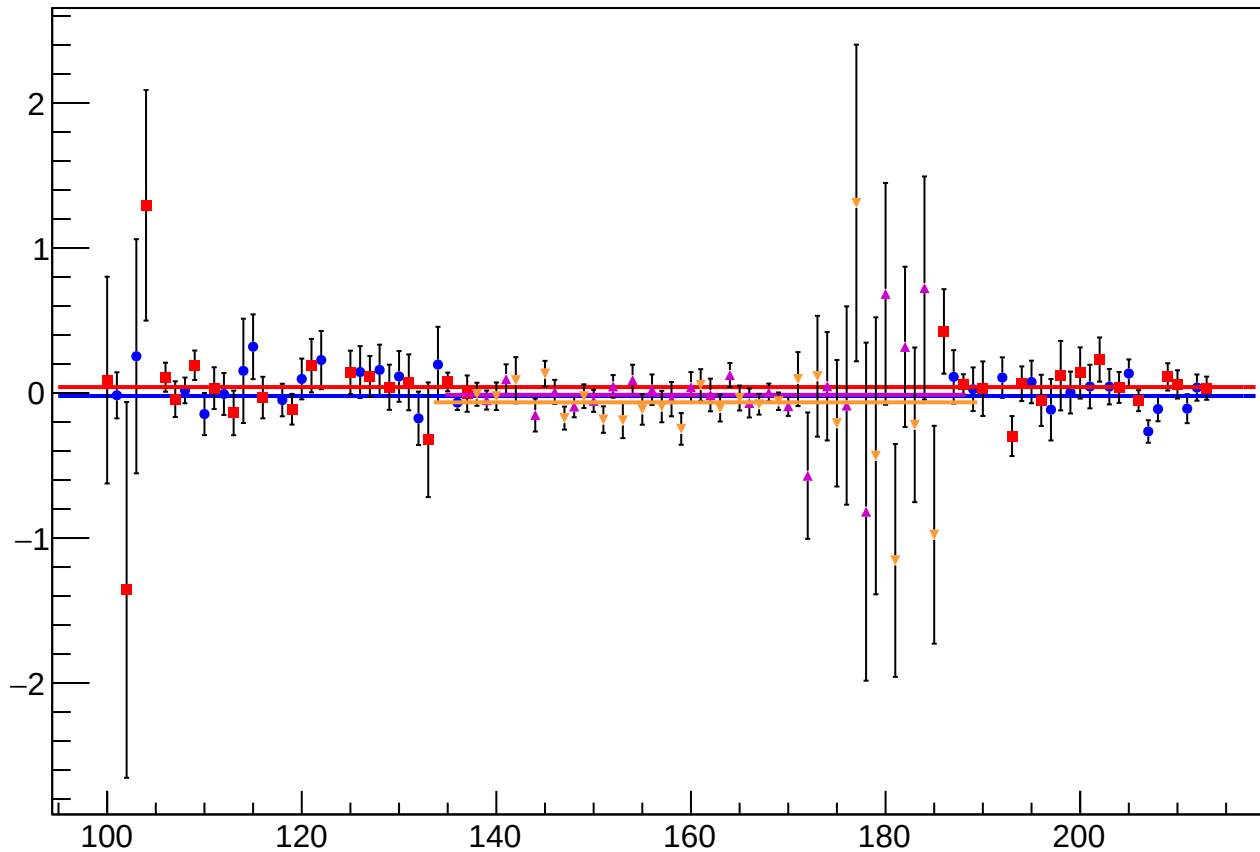
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF:8514080.5/22

+ sign 80.599 $\pm$ 0.011 χ^2 /NDF: 13008435.0/52

All: 78.785 $\pm$ 0.008 χ^2 /NDF: 27730918.0/107

- sign 77.128 $\pm$ 0.011 χ^2 /NDF: 14672145.7/54

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.023 χ^2/NDF : 28.0/28

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.041 ± 0.022 χ^2/NDF : 25.5/31

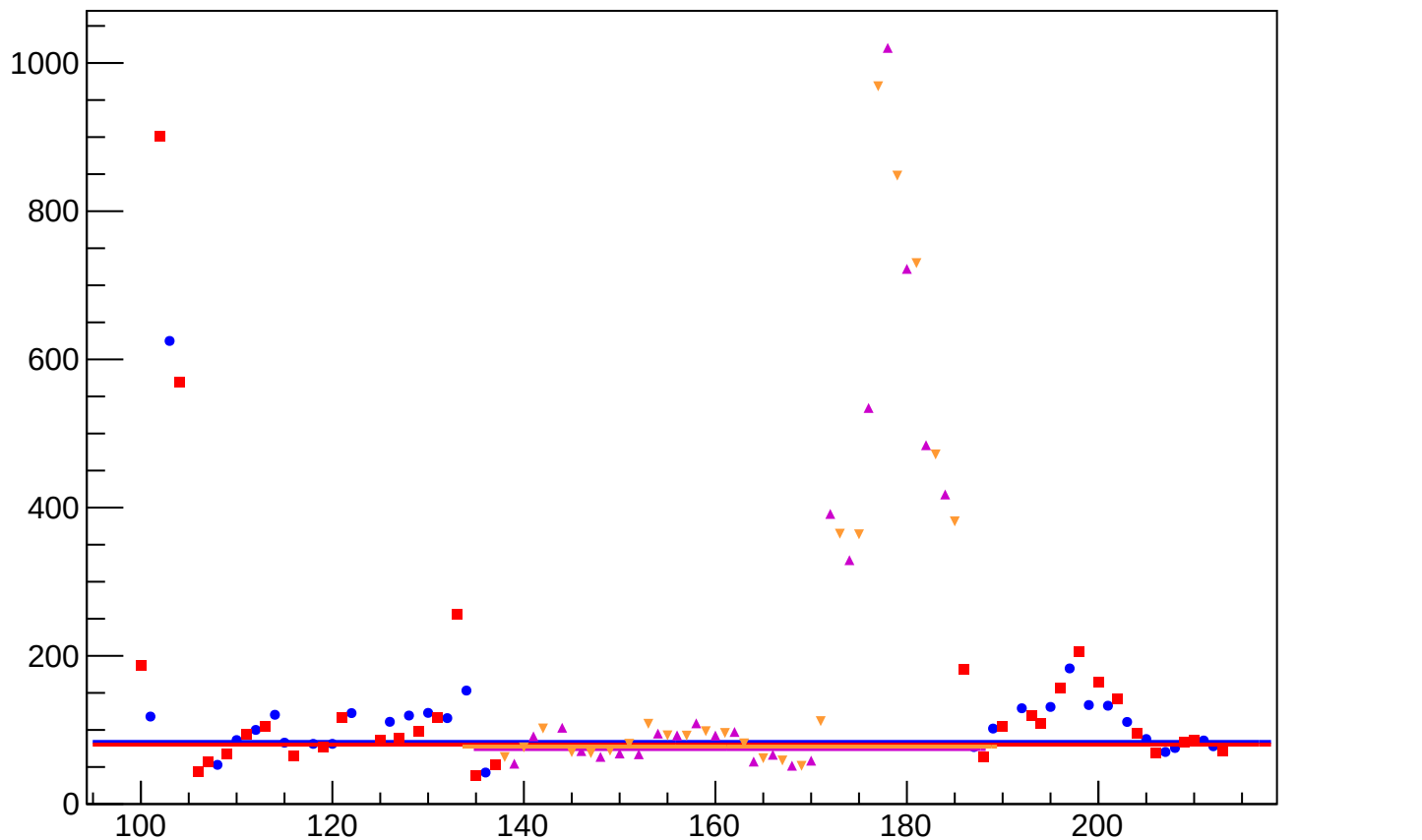
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.016 χ^2/NDF : 52.2/52

All: -0.013 ± 0.011 χ^2/NDF : 102.5/107

- sign 0.014 ± 0.015 χ^2/NDF : 43.6/54

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 83.814 $\pm$ 0.016 χ^2 /NDF: 4598431.0/28

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331194.0/23

Right Out: 80.182 $\pm$ 0.015 χ^2 /NDF: 6080193.8/31

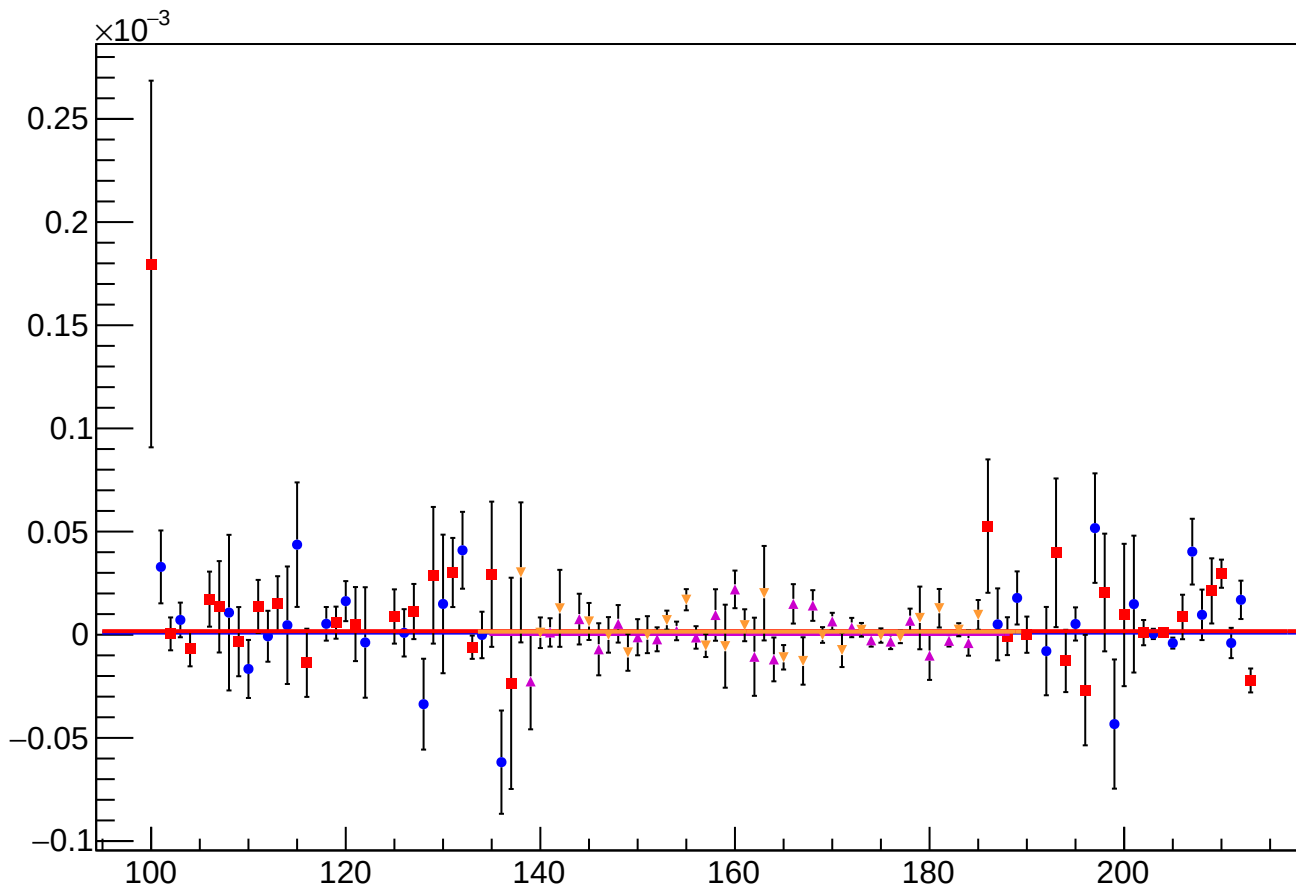
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF: 8514080.5/22

+ sign 80.599 $\pm$ 0.011 χ^2 /NDF: 13008435.0/52

All: 78.785 $\pm$ 0.008 χ^2 /NDF: 27730918.0/107

- sign 77.128 $\pm$ 0.011 χ^2 /NDF: 14672145.7/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 58.8/31

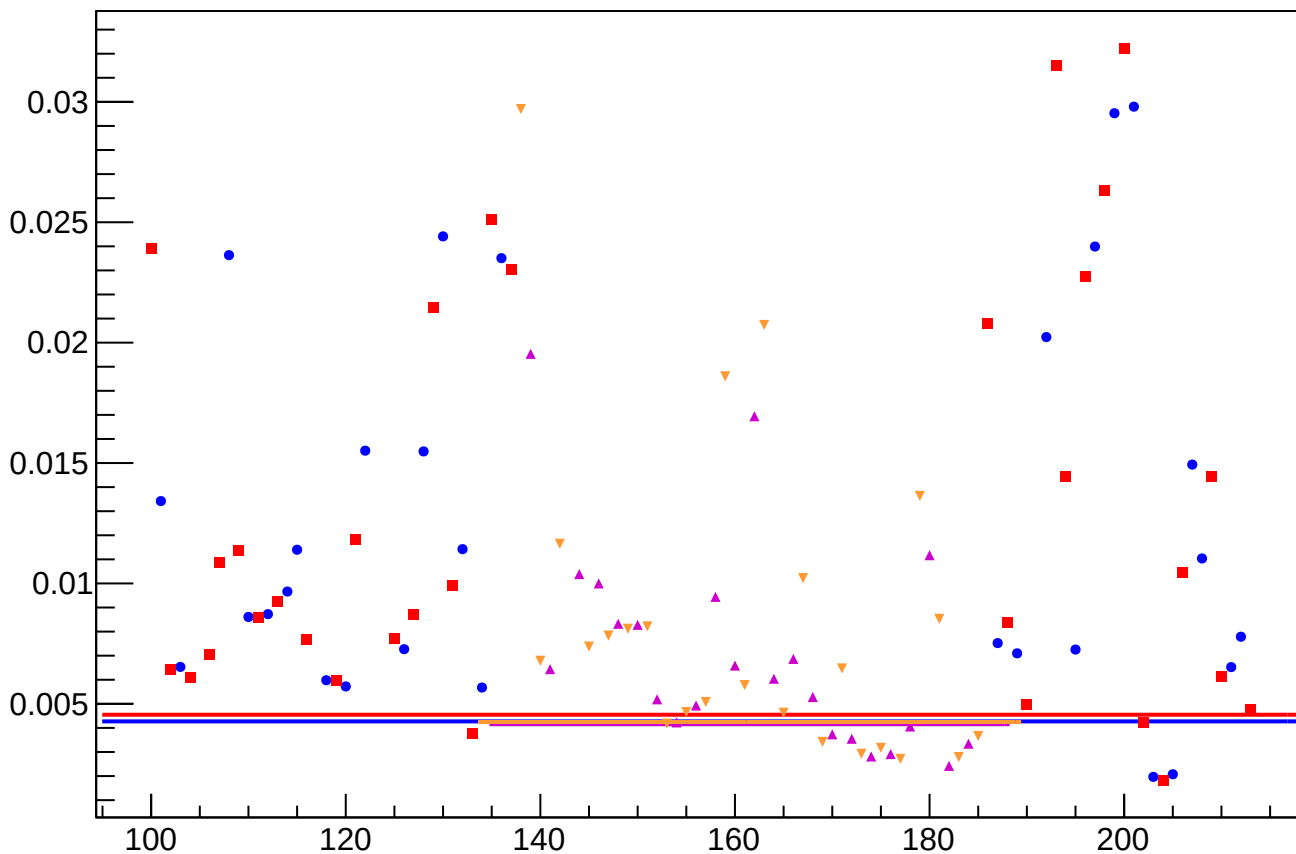
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.6/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 156.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 83.9/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 15399630.0/28

Left Out: 0.004+/-0.000 χ^2/NDF : 8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF : 14865641.5/31

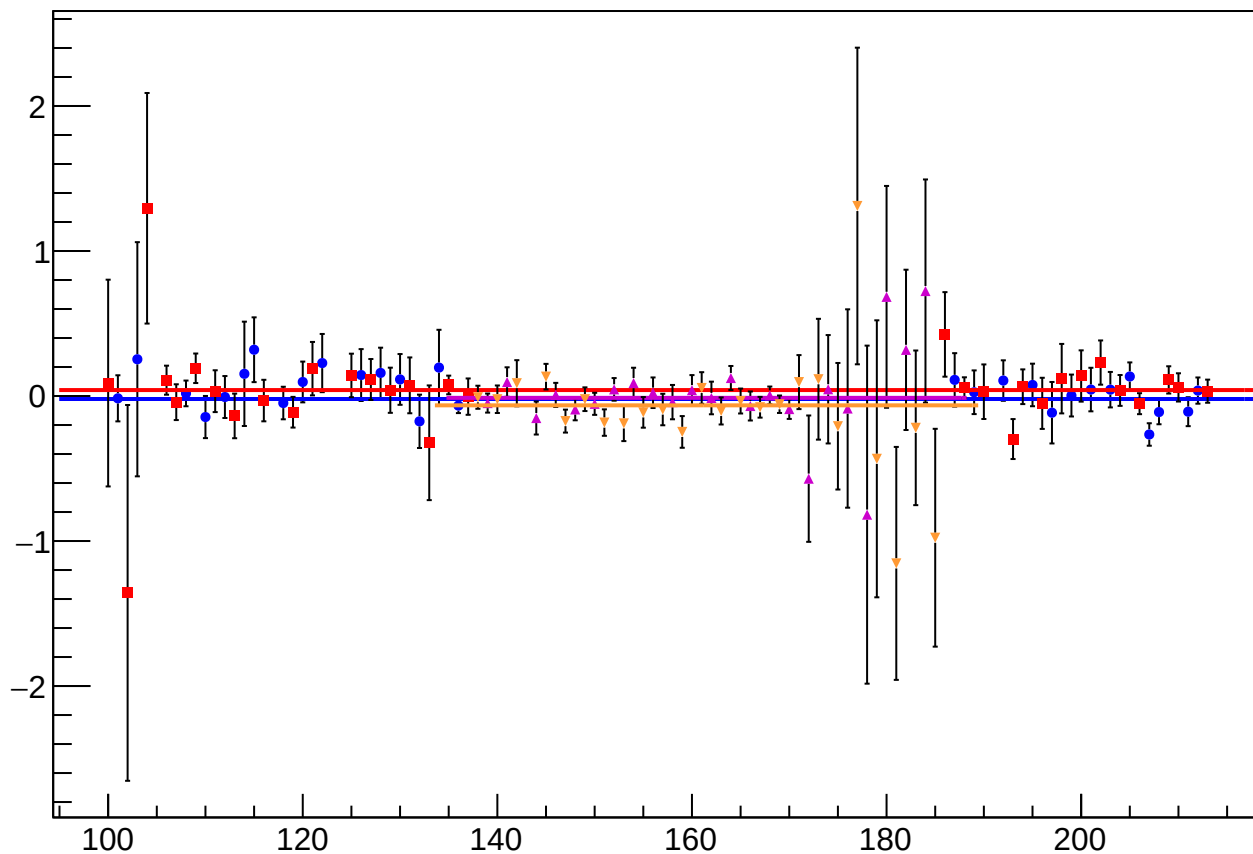
Left In: 0.004+/-0.000 χ^2/NDF : 6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF : 24050941.6/52

All: 0.004+/-0.000 χ^2/NDF : 45895223.3/107

- sign 0.004+/-0.000 χ^2/NDF : 21840549.3/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.023 χ^2/NDF : 28.0/28

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.041 ± 0.022 χ^2/NDF : 25.5/31

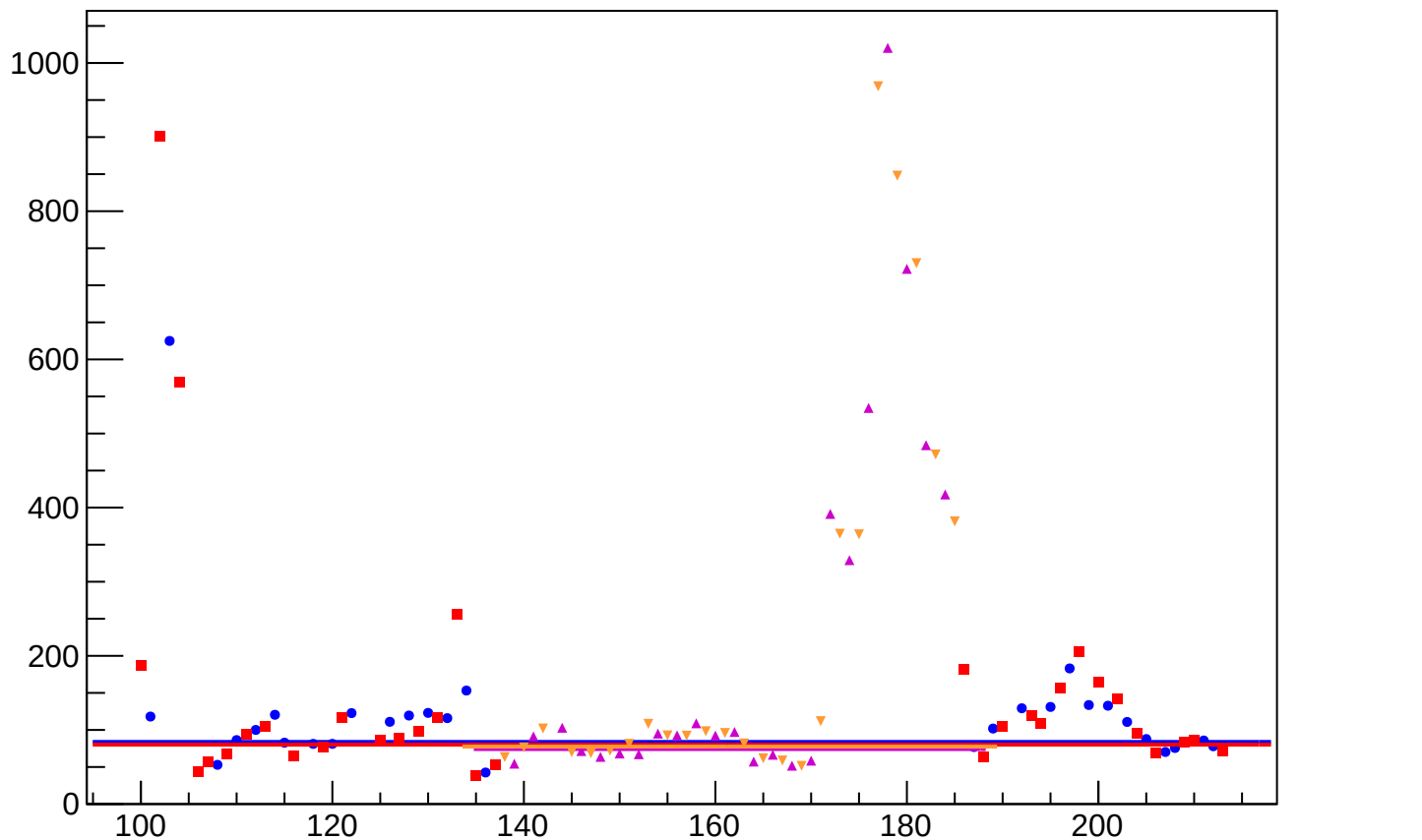
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.016 χ^2/NDF : 52.2/52

All: -0.013 ± 0.011 χ^2/NDF : 102.5/107

- sign 0.014 ± 0.015 χ^2/NDF : 43.6/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 83.828 $\pm$ 0.016 χ^2 /NDF: 4595093.8/28

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331106.7/23

Right Out: 80.176 $\pm$ 0.015 χ^2 /NDF: 6081758.7/31

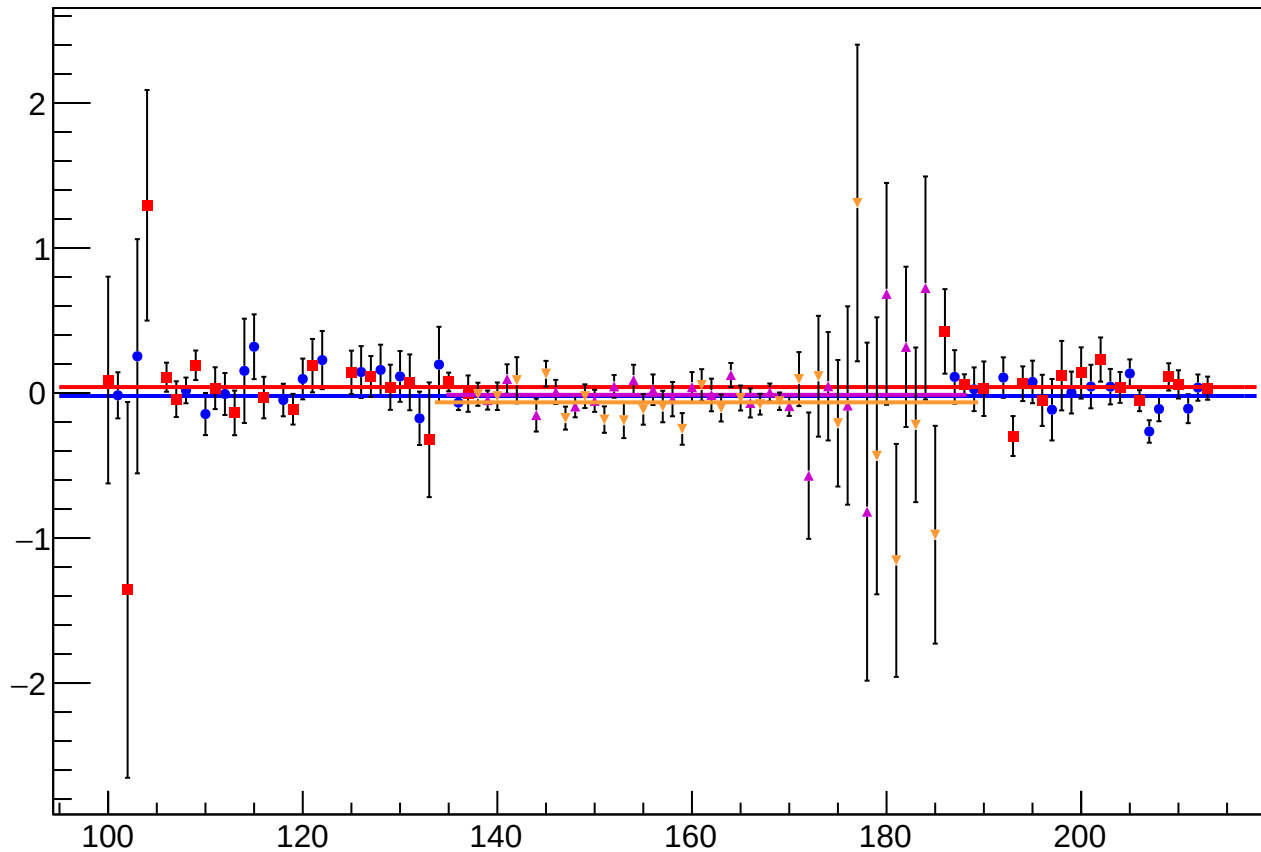
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF: 8513791.3/22

+ sign 80.605 $\pm$ 0.011 χ^2 /NDF: 13005363.4/52

All: 78.787 $\pm$ 0.008 χ^2 /NDF: 27729182.6/107

- sign 77.126 $\pm$ 0.011 χ^2 /NDF: 14673238.1/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.023 χ^2/NDF : 28.0/28

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.041 ± 0.022 χ^2/NDF : 25.5/31

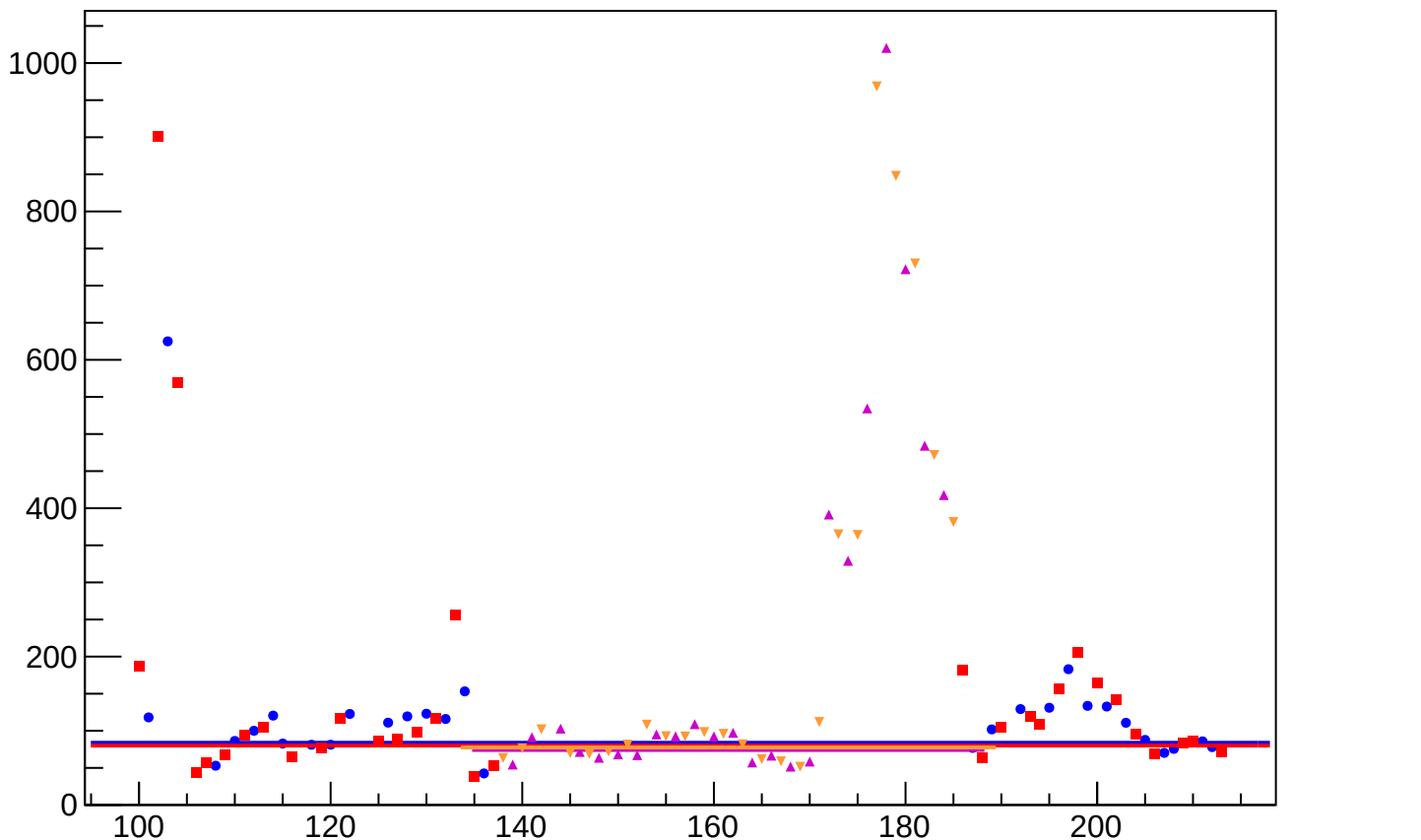
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.016 χ^2/NDF : 52.2/52

All: -0.013 ± 0.011 χ^2/NDF : 102.5/107

- sign 0.014 ± 0.015 χ^2/NDF : 43.6/54

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 83.828 $\pm$ 0.016 χ^2 /NDF: 4595093.8/28

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331106.7/23

Right Out: 80.176 $\pm$ 0.015 χ^2 /NDF: 6081758.7/31

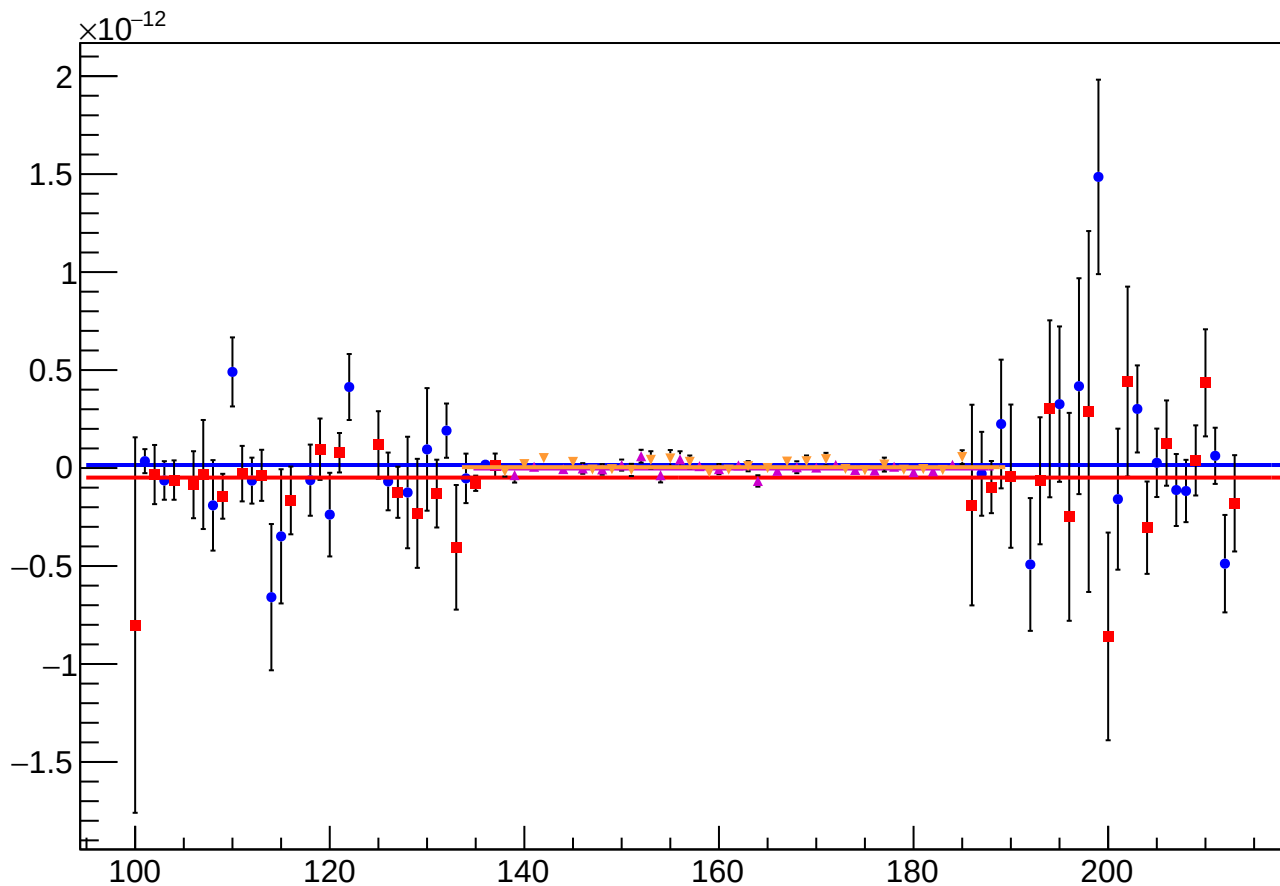
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF: 8513791.3/22

+ sign 80.605 $\pm$ 0.011 χ^2 /NDF: 13005363.4/52

All: 78.787 $\pm$ 0.008 χ^2 /NDF: 27729182.6/107

- sign 77.126 $\pm$ 0.011 χ^2 /NDF: 14673238.1/54

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.7/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/31

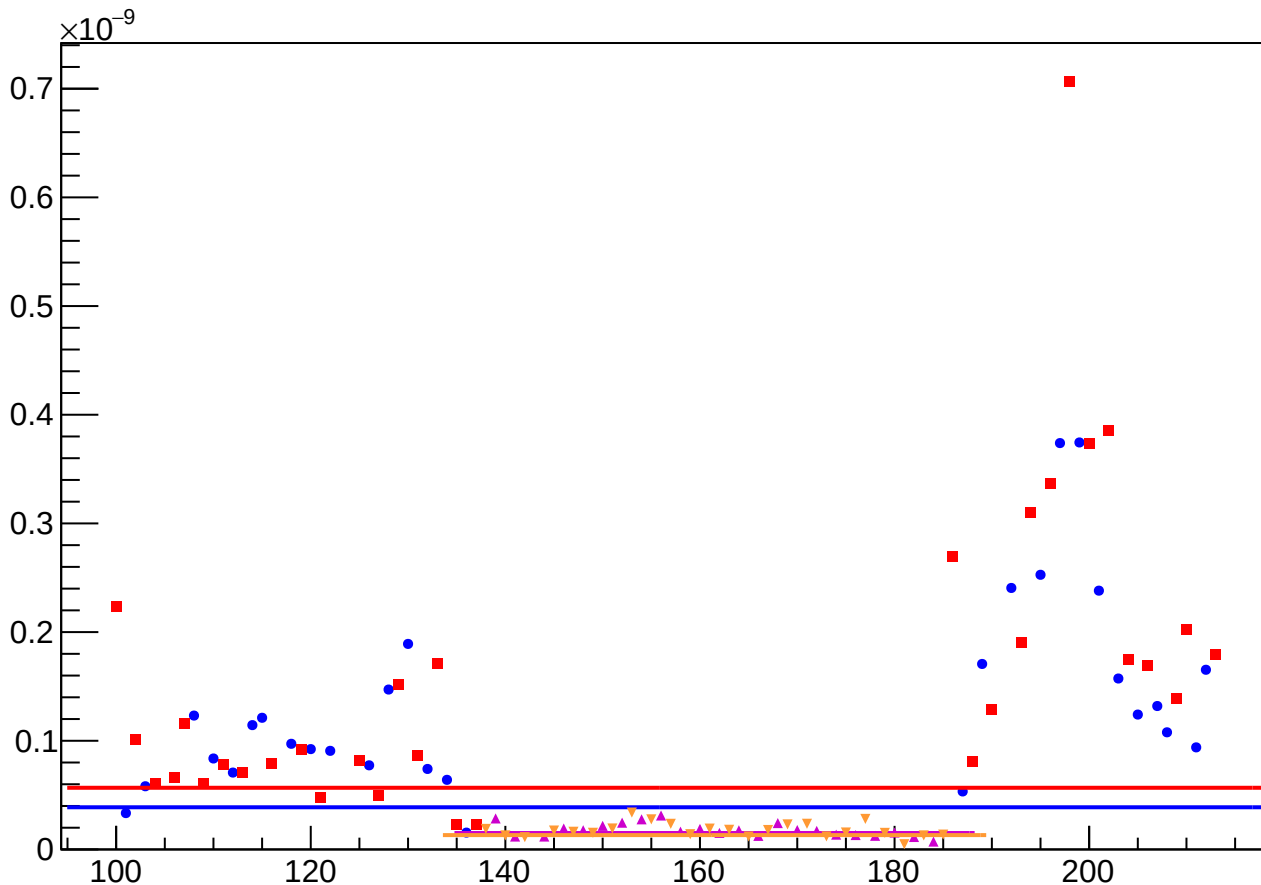
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:17.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.3/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 107.8/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.3/54

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11157395.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:4237321.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10457380.4/31

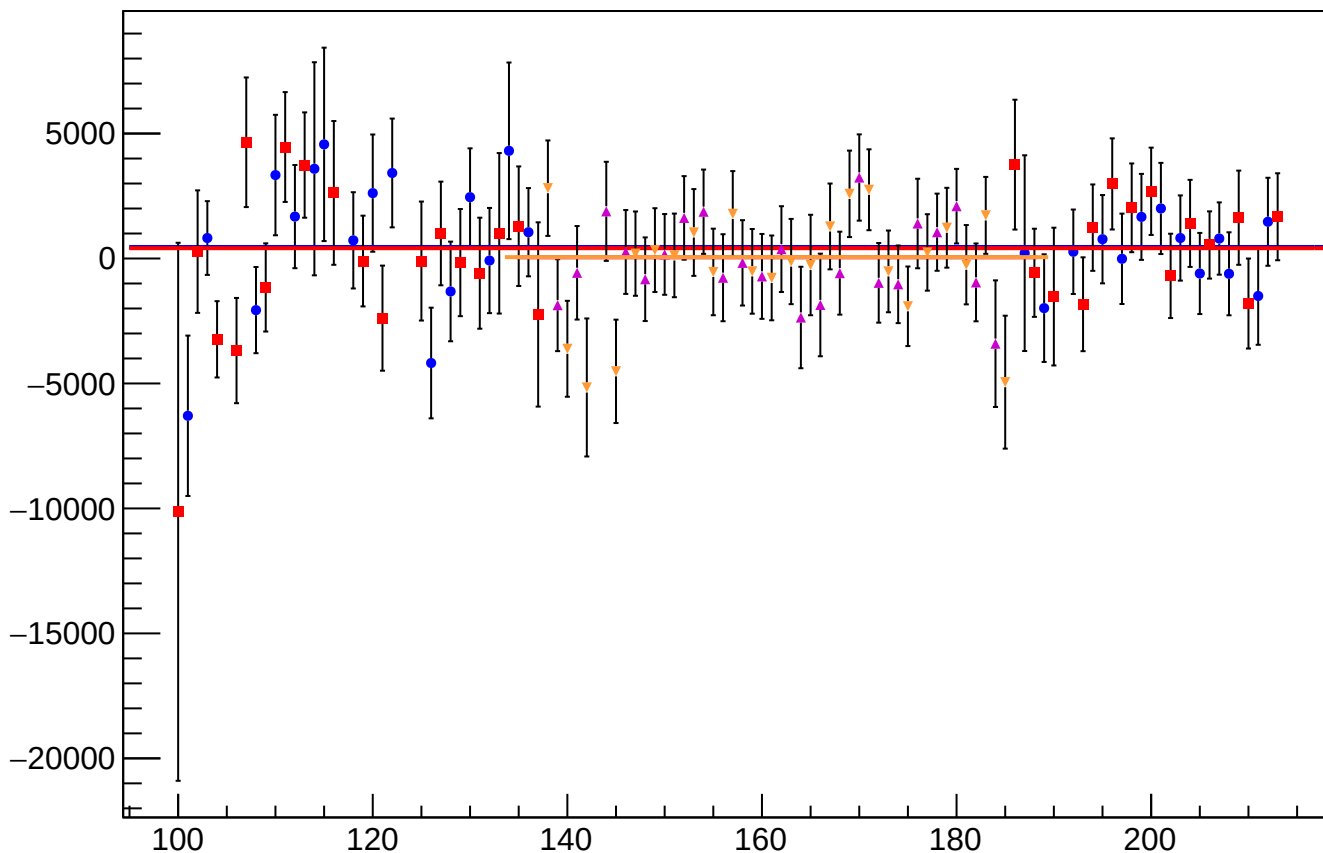
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2148796.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19026095.2/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37948873.1/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18680008.0/54

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 460.384 ± 365.777 χ^2/NDF : 25.3/28

Left Out: 54.770 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 412.743 ± 356.308 χ^2/NDF : 35.2/31

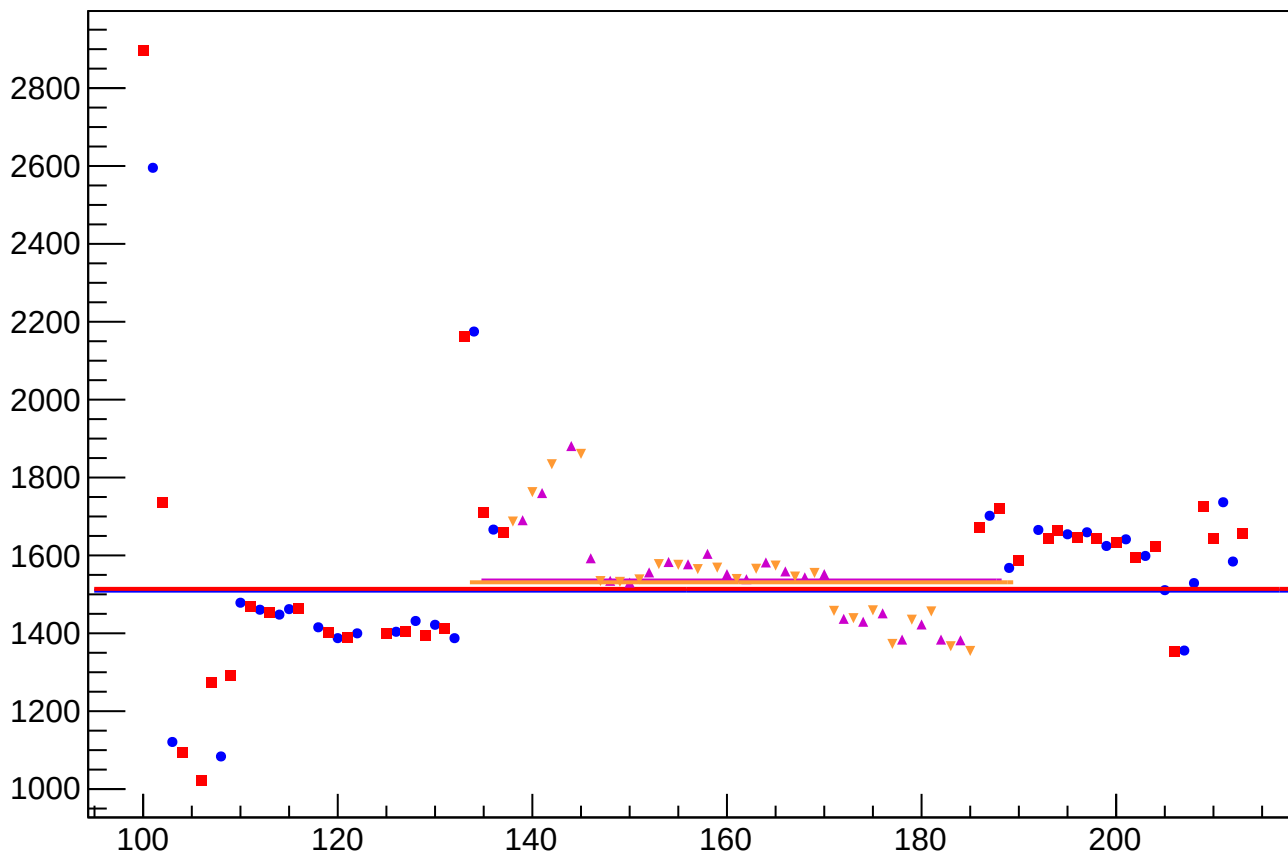
Left In: 48.177 ± 359.531 χ^2/NDF : 16.8/22

+ sign 252.297 ± 255.254 χ^2/NDF : 54.4/52

All: 242.113 ± 179.718 χ^2/NDF : 106.9/107

- sign 232.101 ± 253.079 χ^2/NDF : 52.5/54

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1509.573 $\pm$ 0.259 χ^2 /NDF: 741022.1/28

Left Out: 1530.976 $\pm$ 0.252 χ^2 /NDF: 203539.8/23

Right Out: 1514.088 $\pm$ 0.252 χ^2 /NDF: 677028.1/31

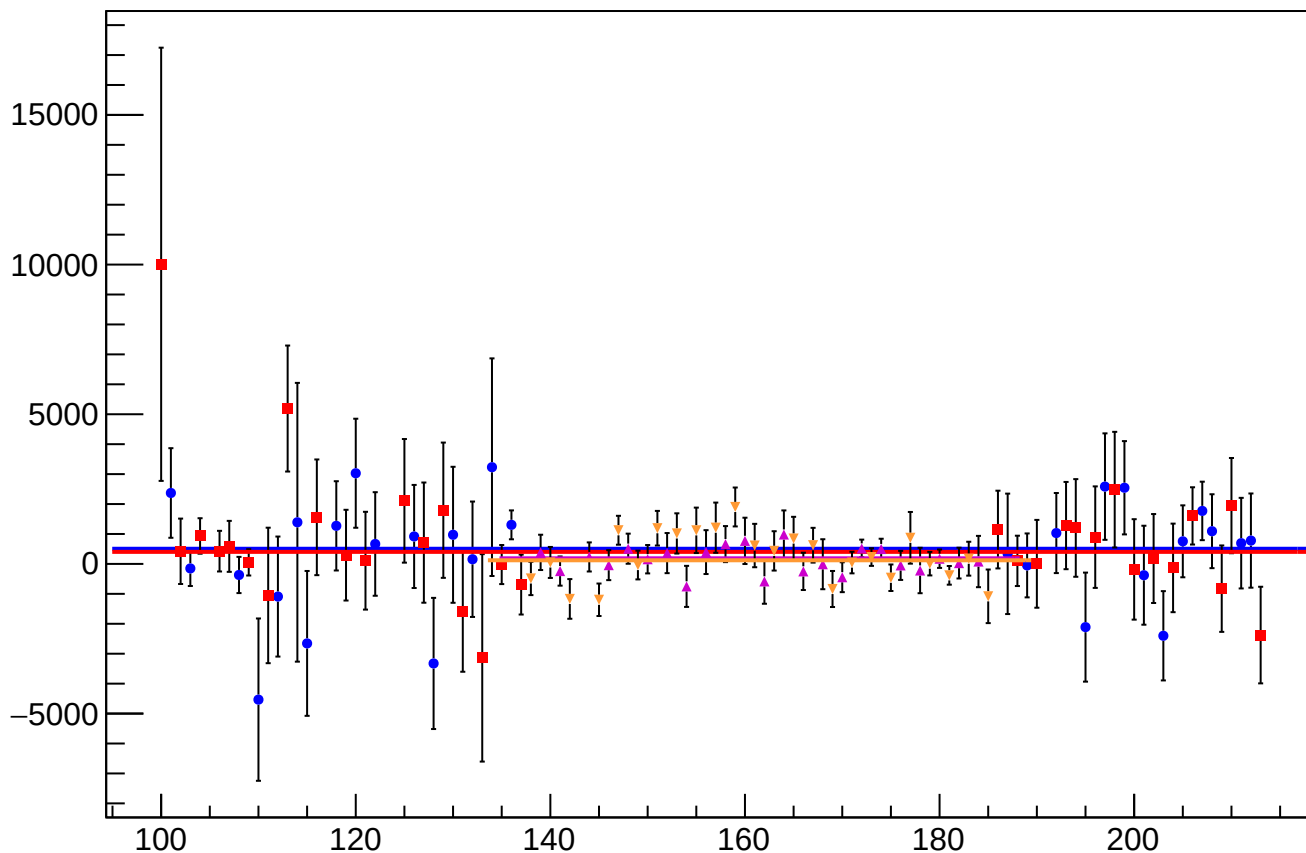
Left In: 1535.551 $\pm$ 0.254 χ^2 /NDF: 192432.7/22

+ sign 1520.553 $\pm$ 0.180 χ^2 /NDF: 948074.9/52

All: 1522.656 $\pm$ 0.127 χ^2 /NDF: 1821400.6/10

- sign 1524.723 $\pm$ 0.179 χ^2 /NDF: 873056.5/54

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 506.142 $\pm$ 224.164 χ^2 /NDF: 31.1/28

Left Out: 121.327 $\pm$ 105.060 χ^2 /NDF: 43.6/23

Right Out: 402.423 $\pm$ 196.666 χ^2 /NDF: 22.8/31

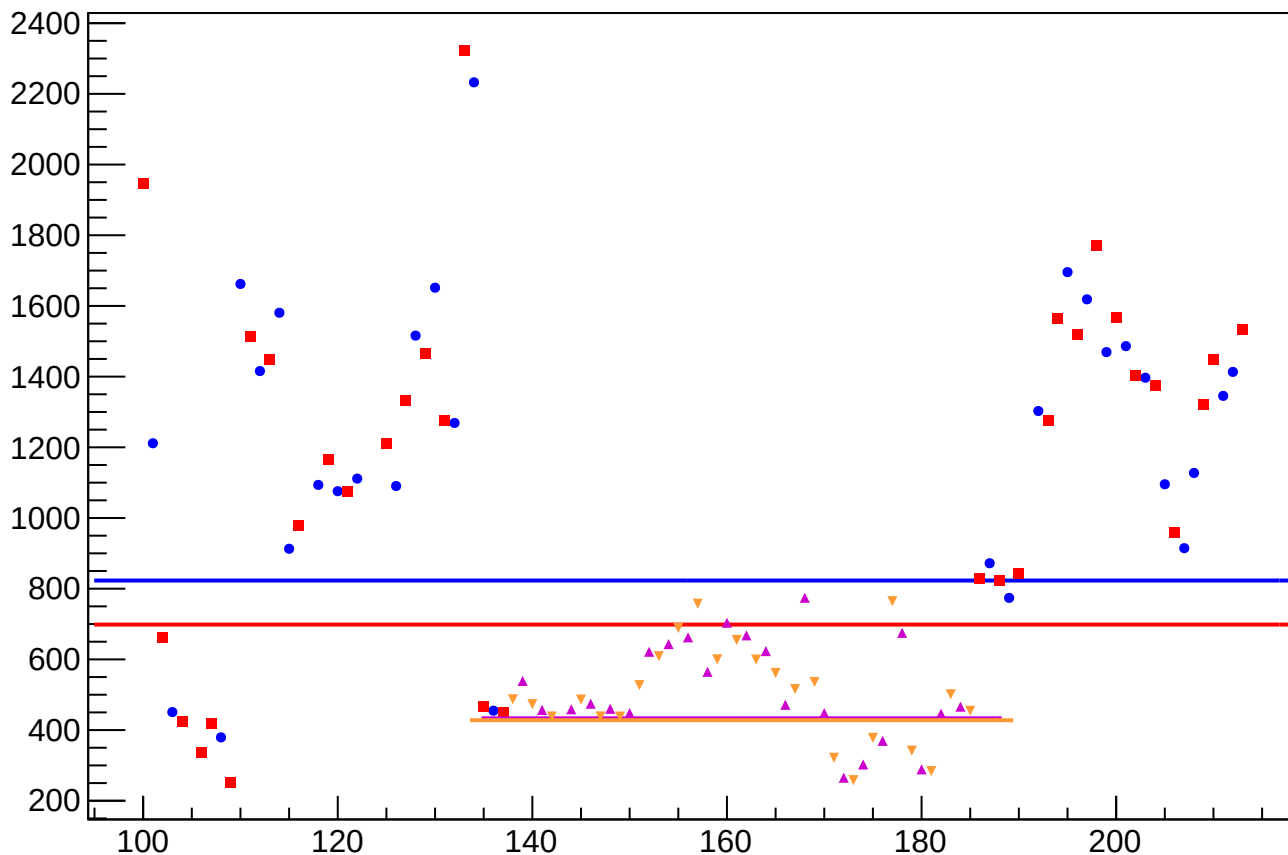
Left In: 186.828 $\pm$ 106.975 χ^2 /NDF: 11.6/22

+ sign 190.631 $\pm$ 95.130 χ^2 /NDF: 77.1/52

All: 213.620 $\pm$ 66.854 χ^2 /NDF: 112.6/107

- sign 236.052 $\pm$ 93.973 χ^2 /NDF: 35.4/54

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 823.109+/-0.159 χ^2/NDF : 7526086.5/28

Left Out: 427.814+/-0.074 χ^2/NDF : 3188159.5/23

Right Out: 698.497+/-0.139 χ^2/NDF : 10697794.1/31

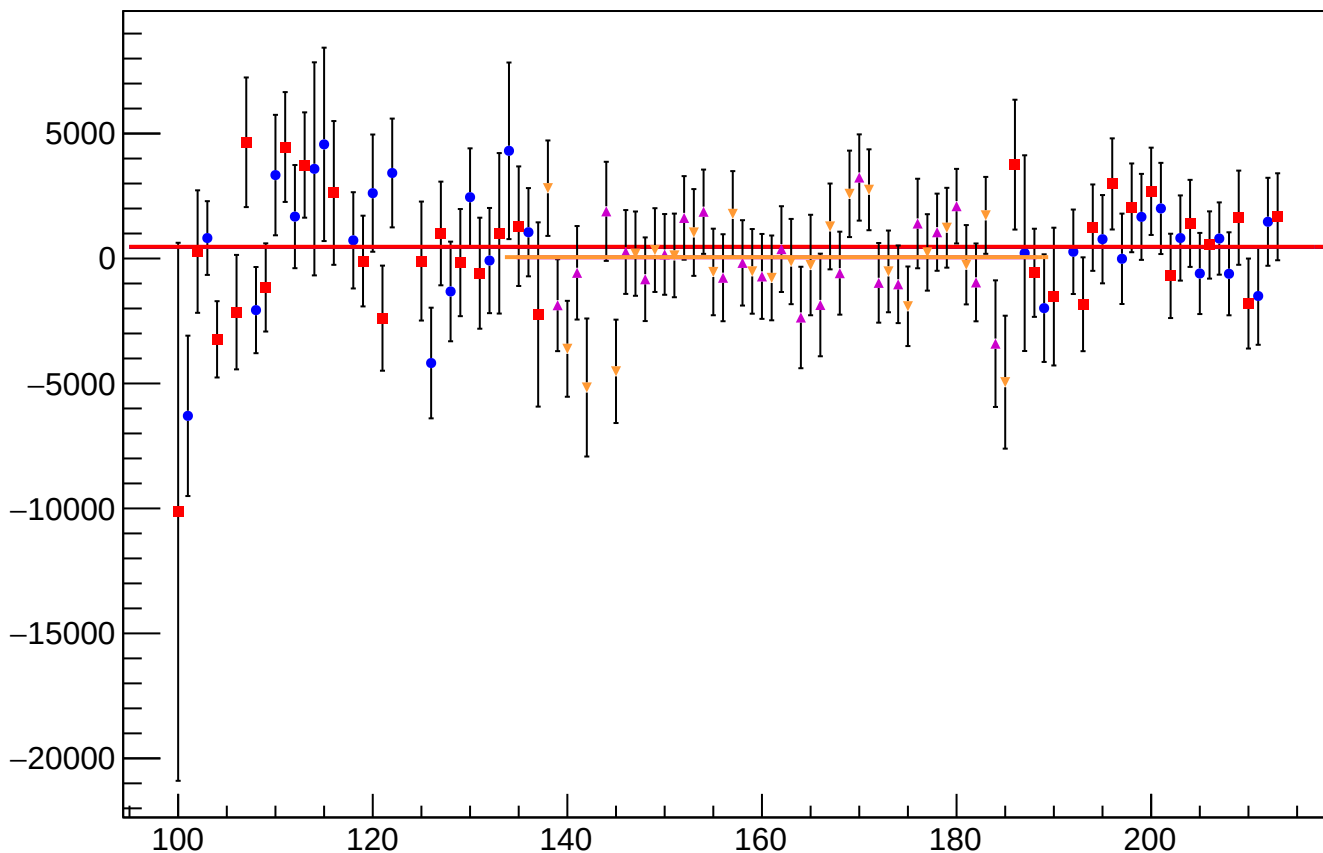
Left In: 433.283+/-0.076 χ^2/NDF : 3247998.9/22

+ sign 499.005+/-0.067 χ^2/NDF : 15813462.2/52

All: 496.390+/-0.047 χ^2/NDF : 32568975.0/10

- sign 493.837+/-0.066 χ^2/NDF : 16752525.3/54

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 460.423 ± 365.777 χ^2/NDF : 25.3/28

Left Out: 54.734 ± 356.375 χ^2/NDF : 28.5/23

Right Out: 468.469 ± 357.100 χ^2/NDF : 32.6/31

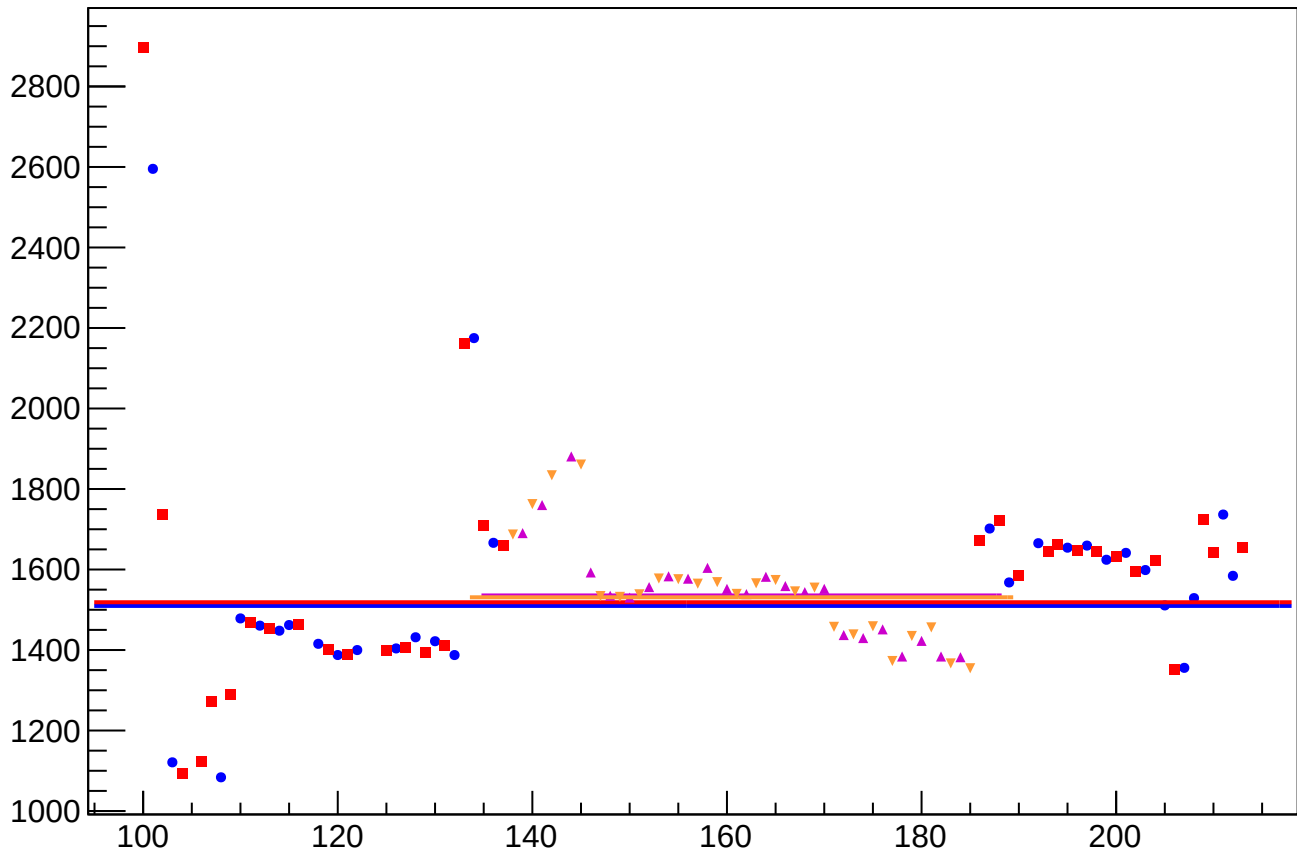
Left In: 48.256 ± 359.531 χ^2/NDF : 16.8/22

+ sign 252.298 ± 255.254 χ^2/NDF : 54.4/52

All: 256.070 ± 179.820 χ^2/NDF : 104.5/107

- sign 259.788 ± 253.363 χ^2/NDF : 50.1/54

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1509.573 $\pm$ 0.259 χ^2 /NDF: 741022.5/28

Left Out: 1530.976 $\pm$ 0.252 χ^2 /NDF: 203539.7/23

Right Out: 1518.687 $\pm$ 0.253 χ^2 /NDF: 626428.3/31

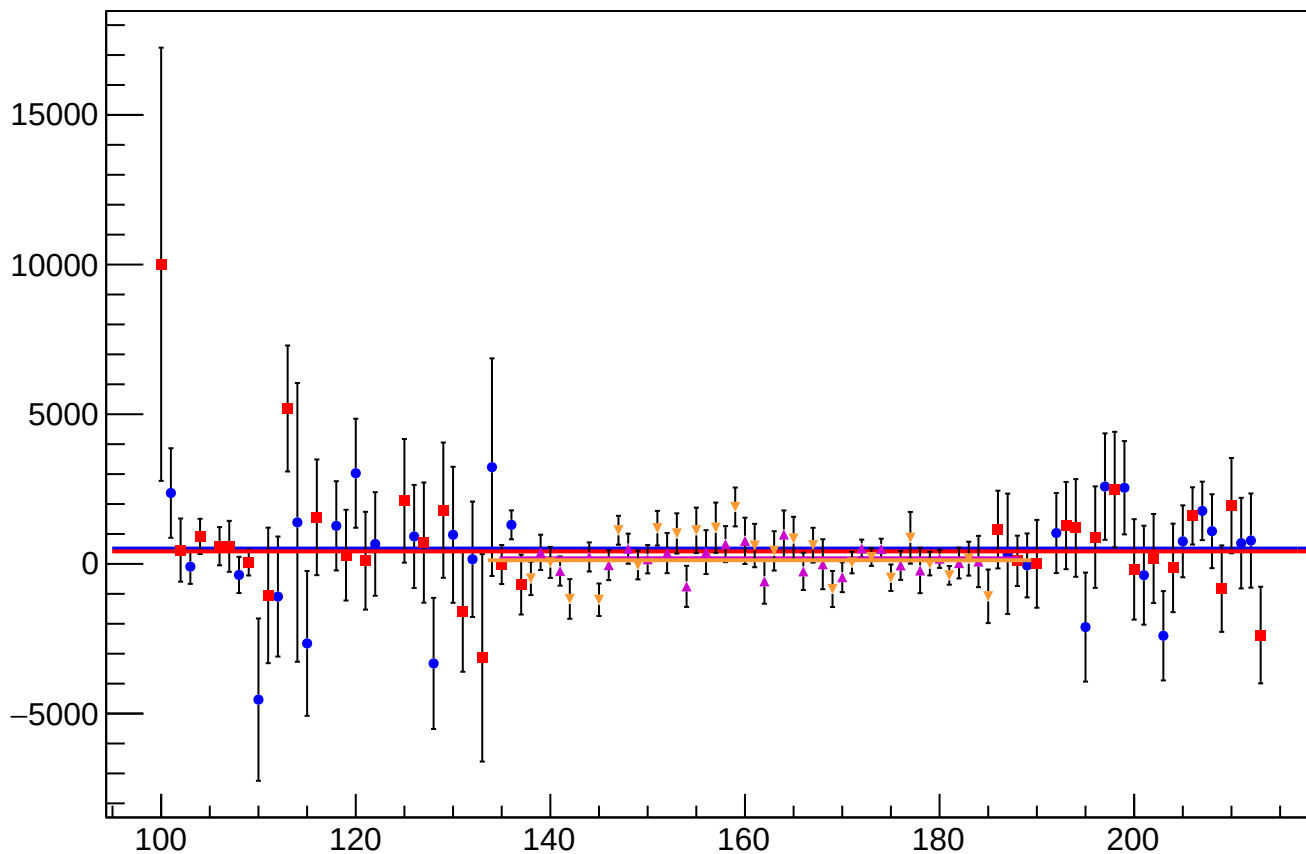
Left In: 1535.551 $\pm$ 0.254 χ^2 /NDF: 192432.7/22

+ sign 1520.553 $\pm$ 0.180 χ^2 /NDF: 948075.3/52

All: 1523.831 $\pm$ 0.127 χ^2 /NDF: 1769806.3/10

- sign 1527.061 $\pm$ 0.179 χ^2 /NDF: 821076.1/54

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 511.483 $\pm$ 223.530 χ^2 /NDF: 30.9/28

Left Out: 121.325 $\pm$ 105.060 χ^2 /NDF:43.7/23

Right Out: 418.686 $\pm$ 195.235 χ^2 /NDF: 22.9/31

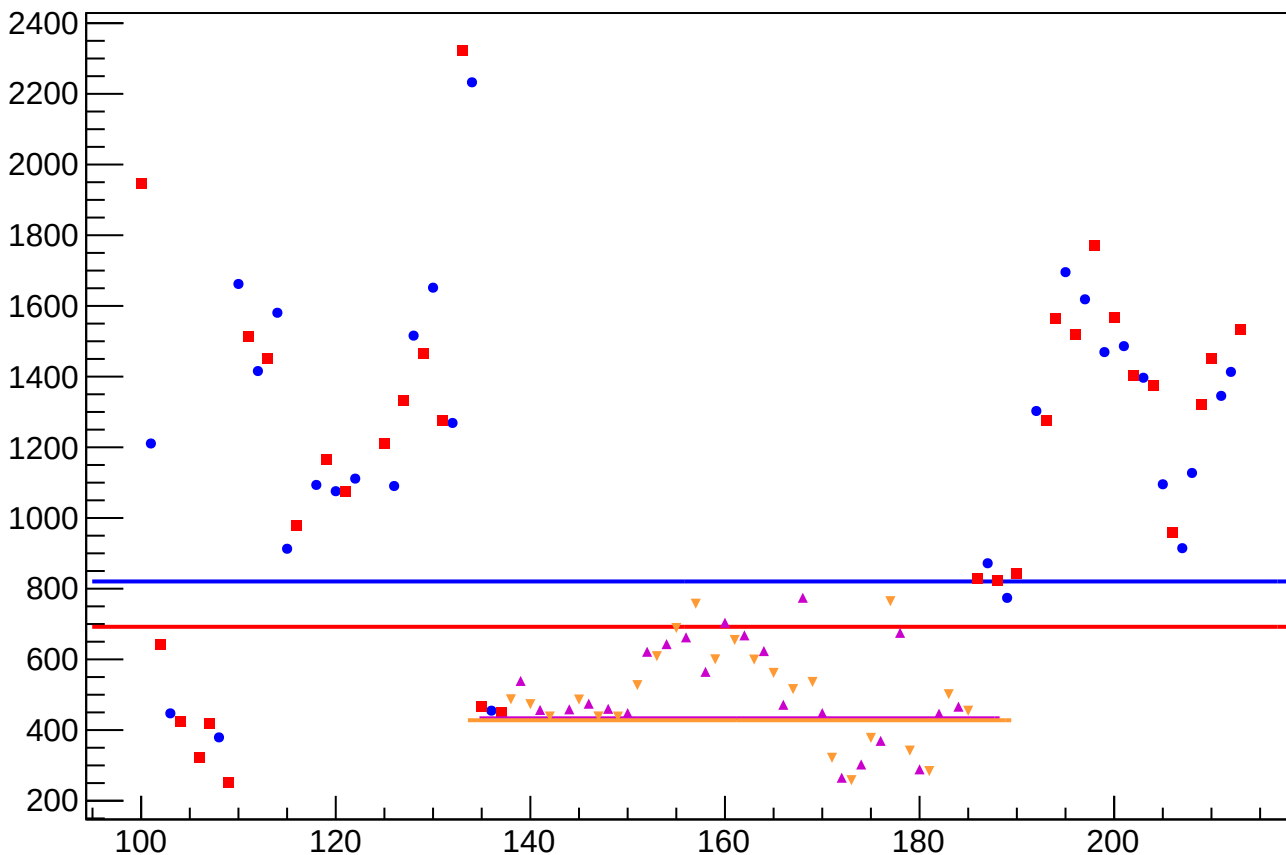
Left In: 187.037 $\pm$ 106.975 χ^2 /NDF:11.6/22

+ sign 191.919 $\pm$ 95.082 χ^2 /NDF: 77.0/52

All: 216.548 $\pm$ 66.781 χ^2 /NDF: 112.7/107

- sign 240.526 $\pm$ 93.815 χ^2 /NDF: 35.6/54

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 820.470+/-0.158 χ^2/NDF : 7572789.9/28

Left Out: 427.814+/-0.074 χ^2/NDF : 3188396.1/23

Right Out: 692.168+/-0.138 χ^2/NDF : 10826768.5/31

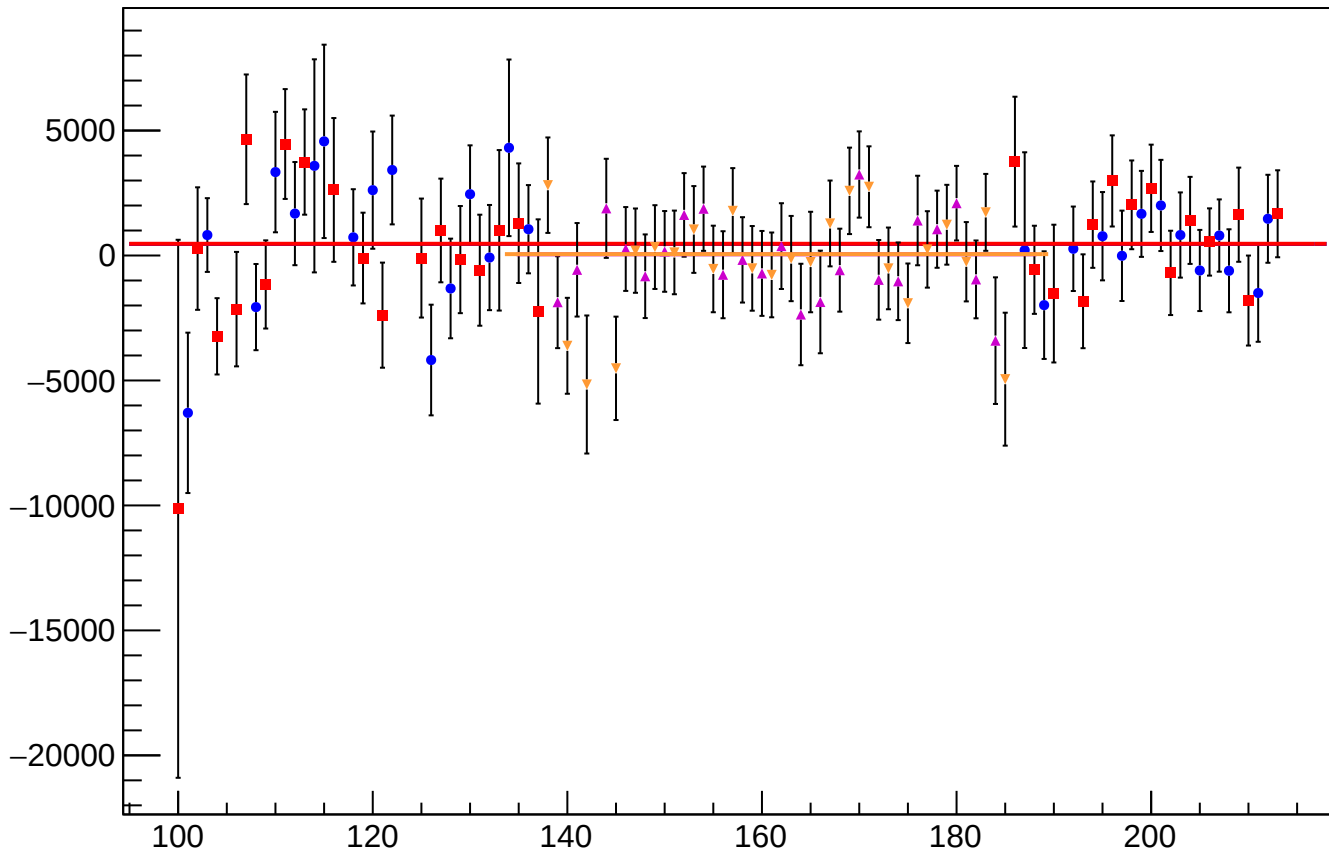
Left In: 433.285+/-0.076 χ^2/NDF : 3247871.5/22

+ sign 498.859+/-0.067 χ^2/NDF : 15815958.7/52

All: 495.922+/-0.047 χ^2/NDF : 32598960.0/10

- sign 493.062+/-0.066 χ^2/NDF : 16779234.1/54

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 460.423+/-365.777 χ^2/NDF : 25.3/28

Left Out: 54.734+/-356.375 χ^2/NDF : 28.5/23

Right Out: 468.469+/-357.100 χ^2/NDF : 32.6/31

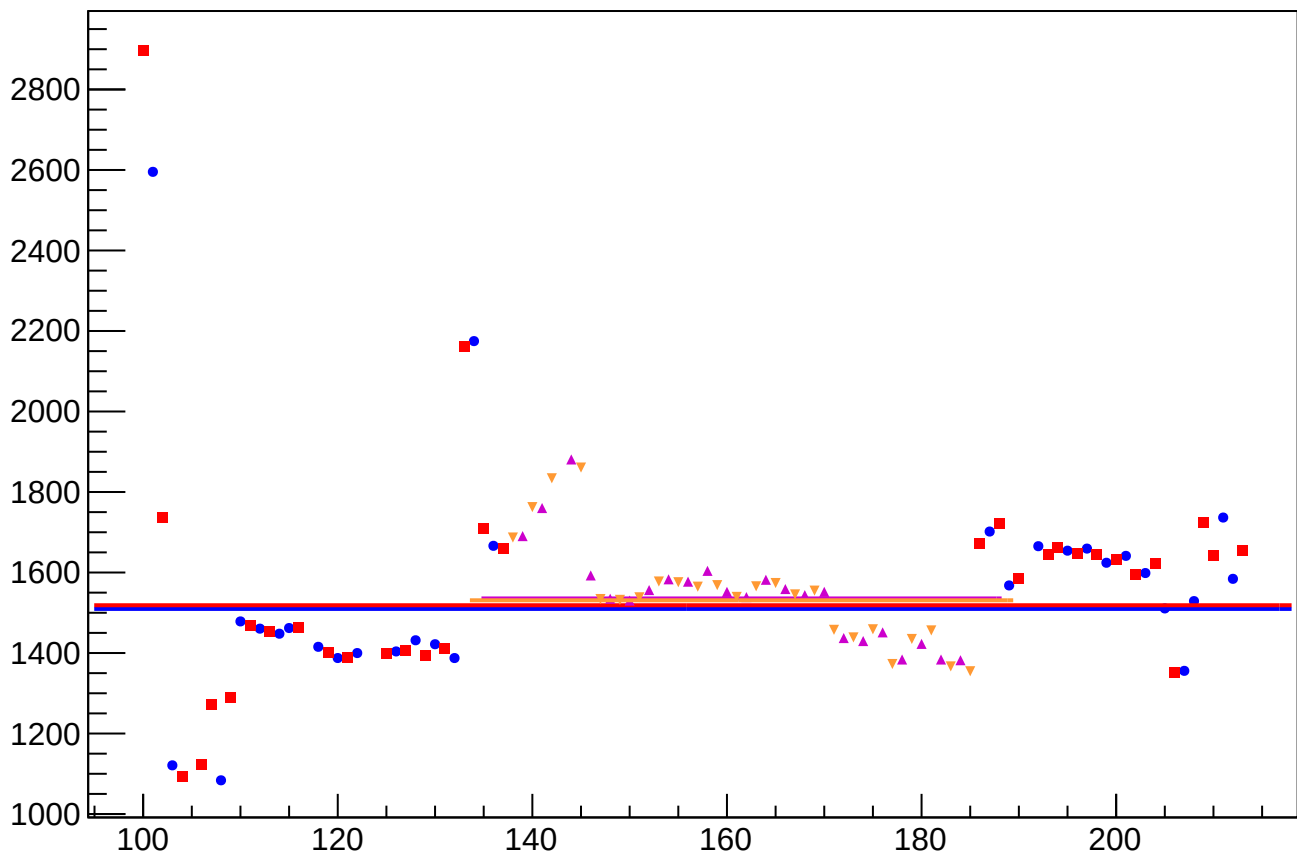
Left In: 48.256+/-359.531 χ^2/NDF : 16.8/22

+ sign 252.298+/-255.254 χ^2/NDF : 54.4/52

All: 256.070+/-179.820 χ^2/NDF : 104.5/107

- sign 259.788+/-253.363 χ^2/NDF : 50.1/54

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1509.573+/-0.259 χ^2/NDF : 741022.5/28

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.7/23

Right Out: 1518.687+/-0.253 χ^2/NDF : 626428.3/31

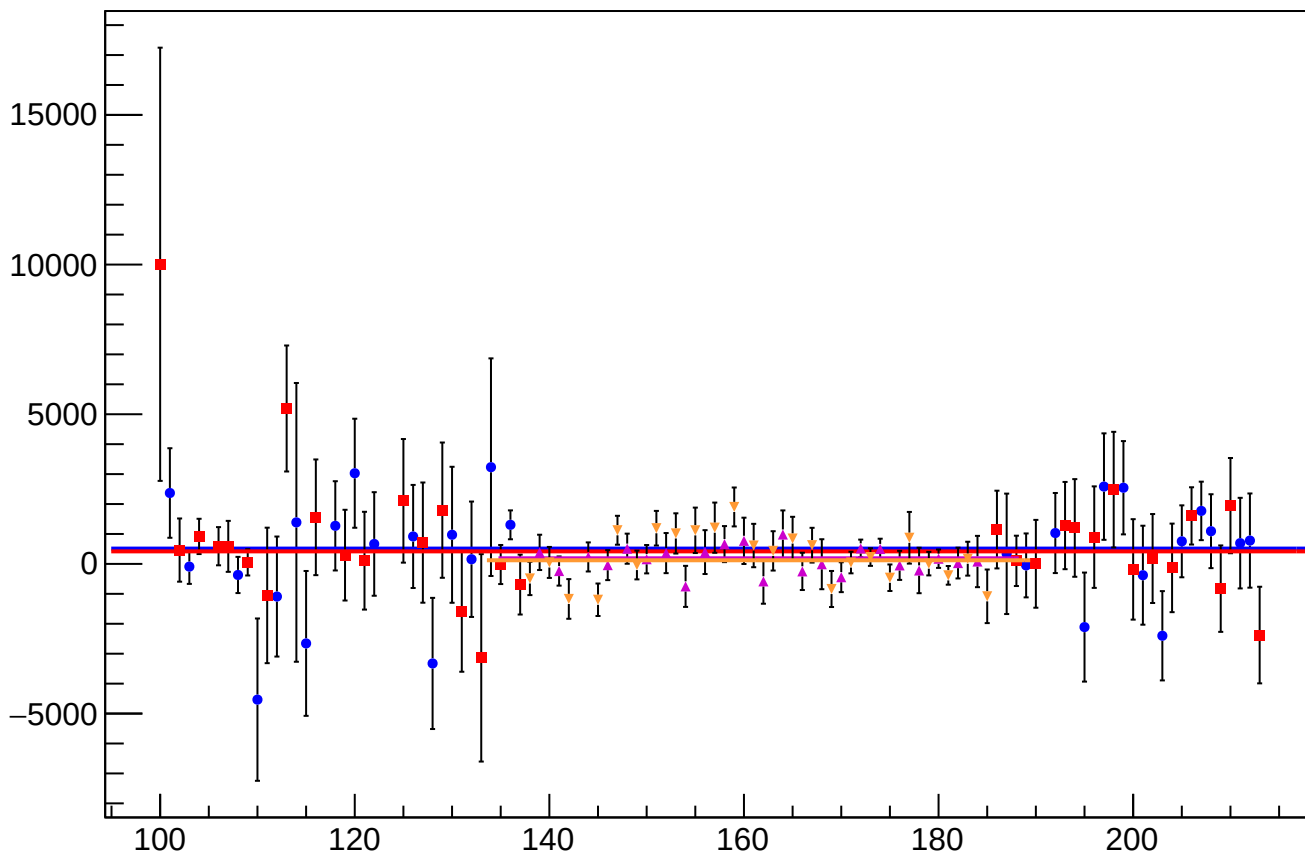
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1520.553+/-0.180 χ^2/NDF : 948075.3/52

All: 1523.831+/-0.127 χ^2/NDF : 1769806.3/10

- sign 1527.061+/-0.179 χ^2/NDF : 821076.1/54

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 511.483 $\pm$ 223.530 χ^2 /NDF: 30.9/28

Left Out: 121.325 $\pm$ 105.060 χ^2 /NDF: 43.7/23

Right Out: 418.686 $\pm$ 195.235 χ^2 /NDF: 22.9/31

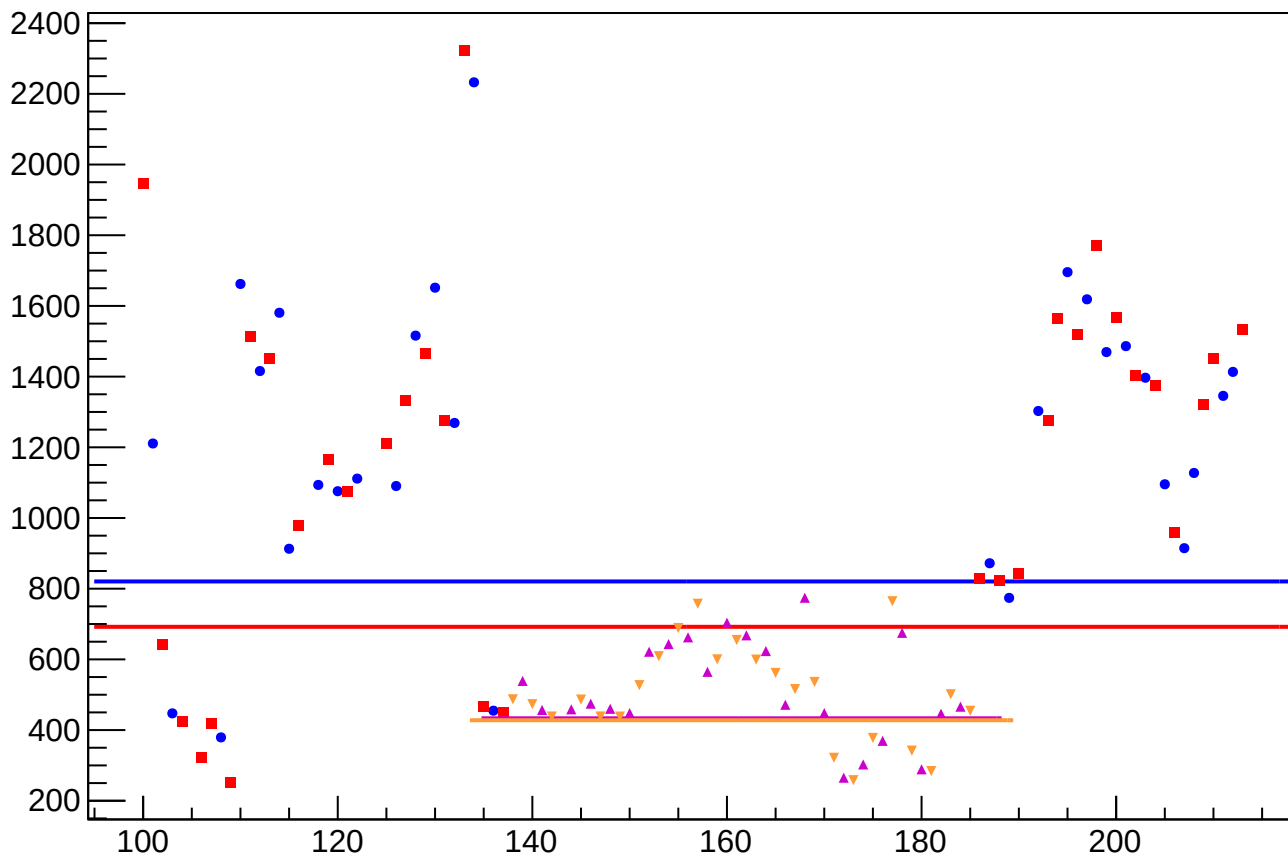
Left In: 187.037 $\pm$ 106.975 χ^2 /NDF: 11.6/22

+ sign 191.919 $\pm$ 95.082 χ^2 /NDF: 77.0/52

All: 216.548 $\pm$ 66.781 χ^2 /NDF: 112.7/107

- sign 240.526 $\pm$ 93.815 χ^2 /NDF: 35.6/54

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 820.470 $\pm$ 0.158 χ^2 /NDF: 7572789.9/28

Left Out: 427.814 $\pm$ 0.074 χ^2 /NDF: 3188396.1/23

Right Out: 692.168 $\pm$ 0.138 χ^2 /NDF: 10826768.5/31

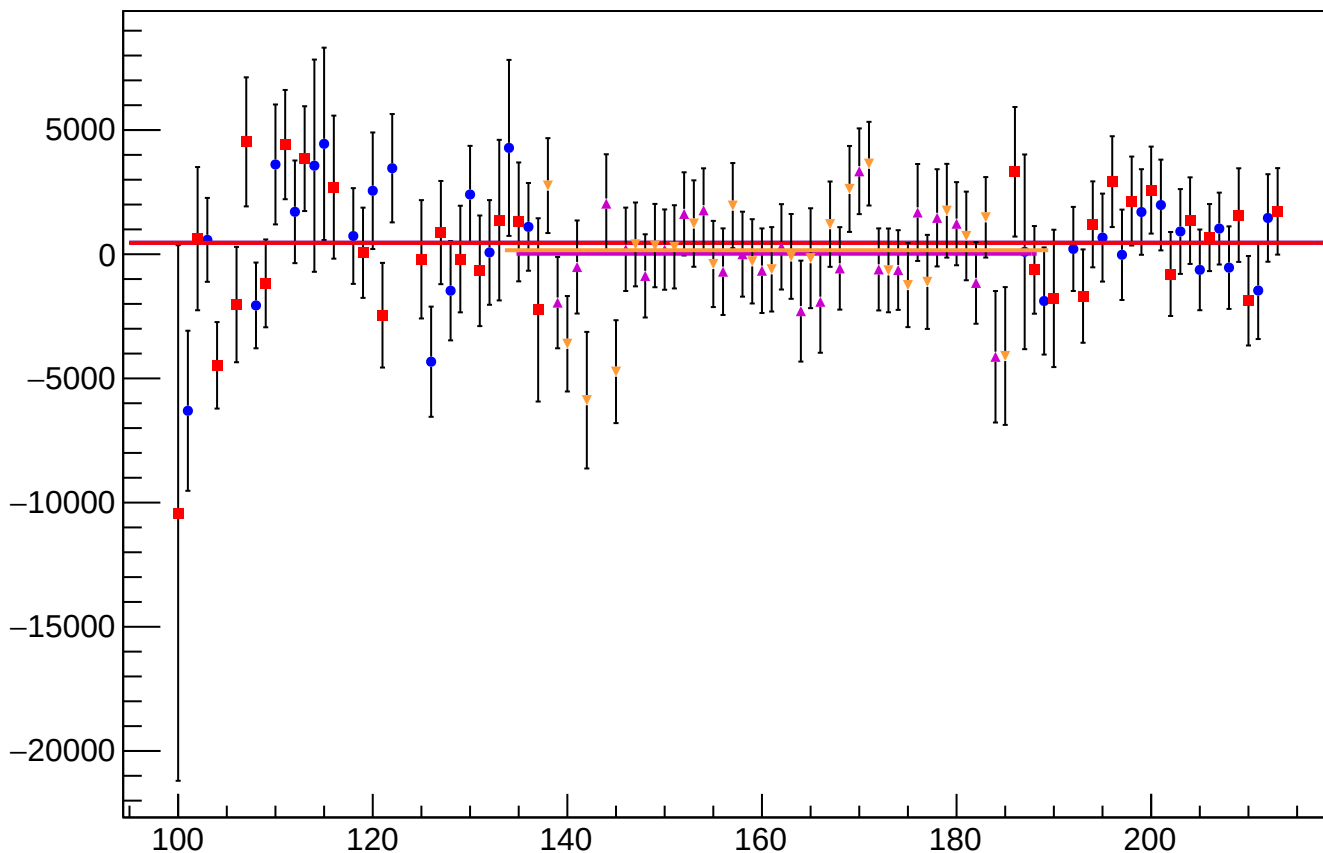
Left In: 433.285 $\pm$ 0.076 χ^2 /NDF: 3247871.5/22

+ sign 498.859 $\pm$ 0.067 χ^2 /NDF: 15815958.7/52

All: 495.922 $\pm$ 0.047 χ^2 /NDF: 32598960.0/10

- sign 493.062 $\pm$ 0.066 χ^2 /NDF: 16779234.1/54

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 463.497 $\pm$ 369.046 χ^2 /NDF: 25.7/28

Left Out: 161.591 $\pm$ 368.366 χ^2 /NDF: 29.9/23

Right Out: 458.436 $\pm$ 361.265 χ^2 /NDF: 34.4/31

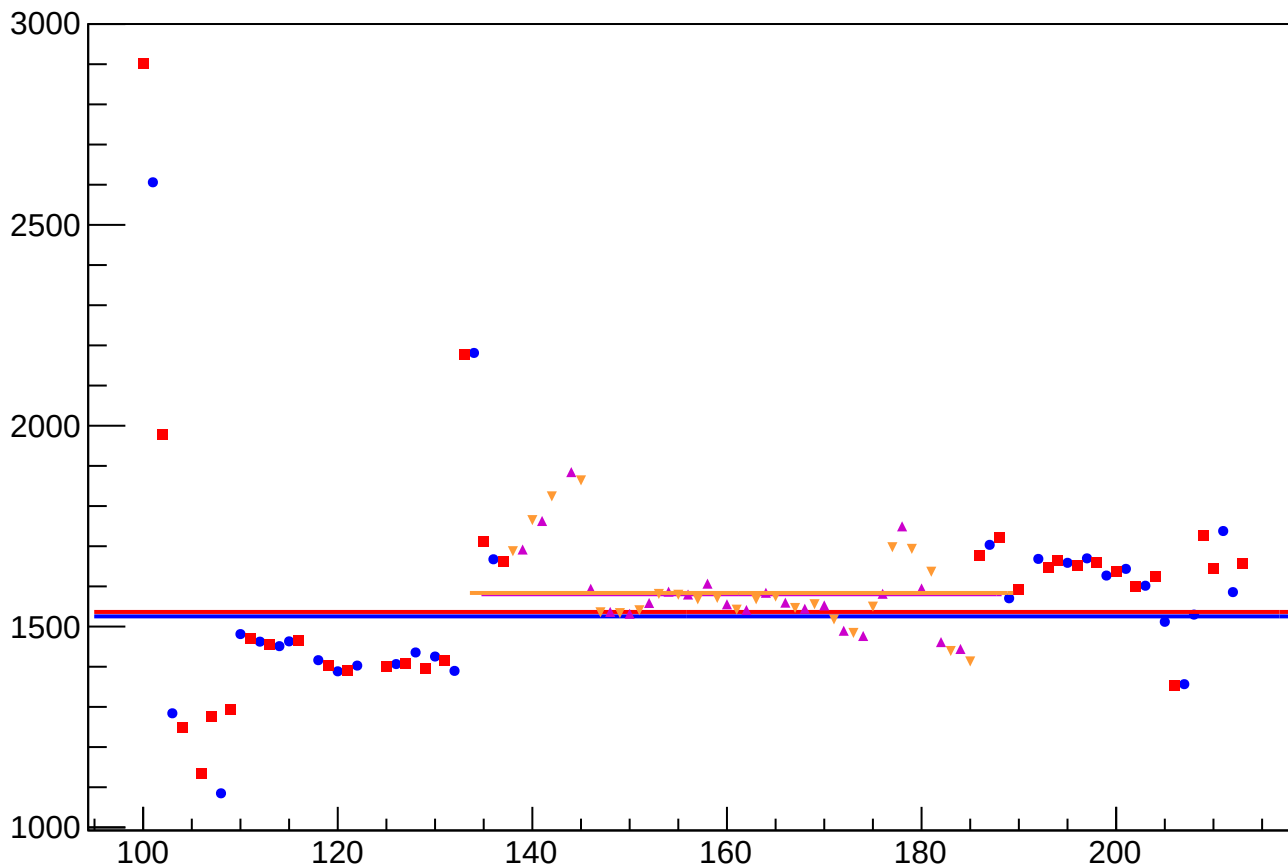
Left In: 20.252 $\pm$ 369.781 χ^2 /NDF: 16.0/22

+ sign 312.265 $\pm$ 260.714 χ^2 /NDF: 55.9/52

All: 278.055 $\pm$ 183.533 χ^2 /NDF: 107.0/107

- sign 244.447 $\pm$ 258.411 χ^2 /NDF: 51.1/54

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1525.355+/-0.261 χ^2/NDF : 639815.3/28

Left Out: 1583.673+/-0.260 χ^2/NDF :133583.1/23

Right Out: 1536.401+/-0.255 χ^2/NDF : 550744.3/31

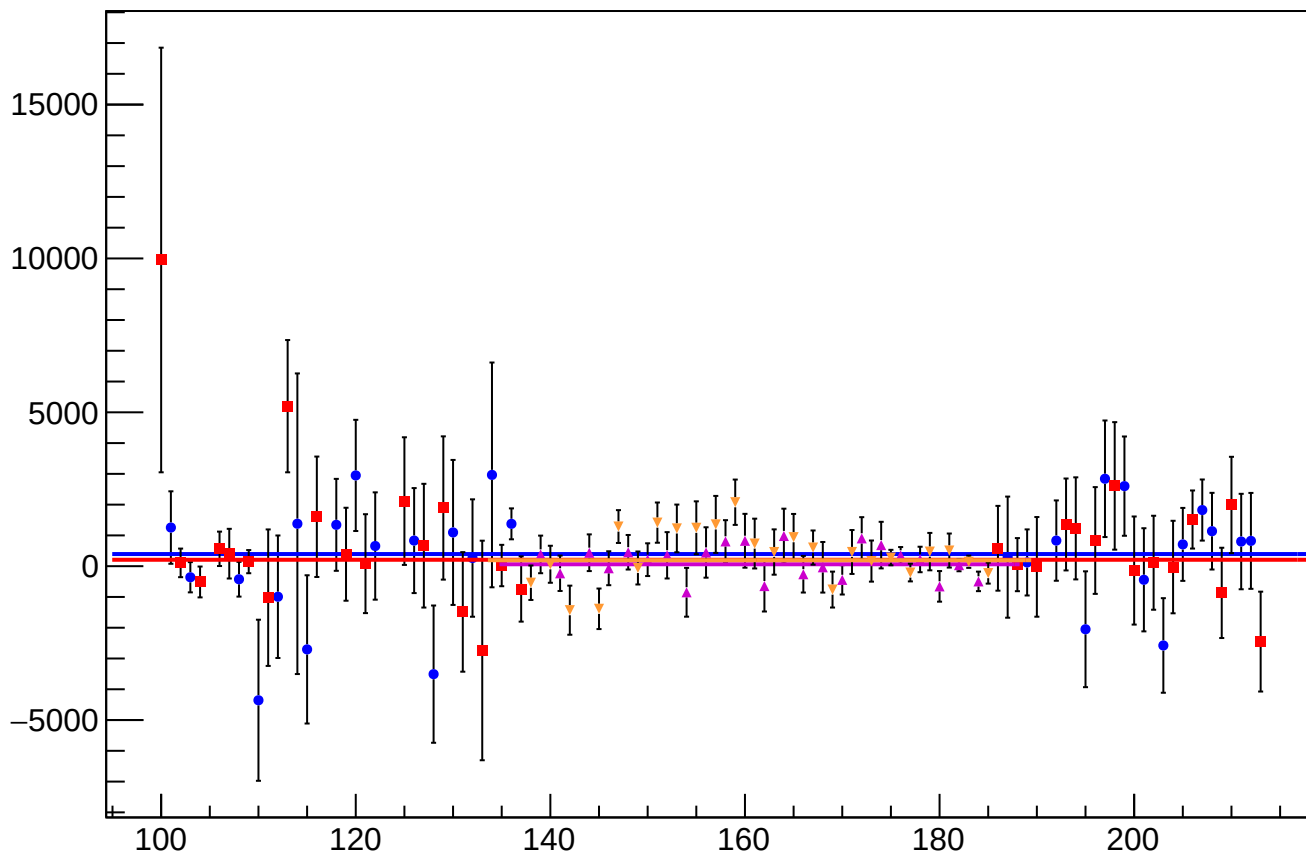
Left In: 1580.464+/-0.261 χ^2/NDF :125745.6/22

+ sign 1554.568+/-0.184 χ^2/NDF : 798415.9/52

All: 1556.258+/-0.130 χ^2/NDF : 1489602.8/10

- sign 1557.919+/-0.183 χ^2/NDF : 691020.3/54

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 394.089 ± 216.337 χ^2/NDF : 32.5/28

Left Out: 193.307 ± 95.894 χ^2/NDF : 40.1/23

Right Out: 208.353 ± 173.426 χ^2/NDF : 23.7/31

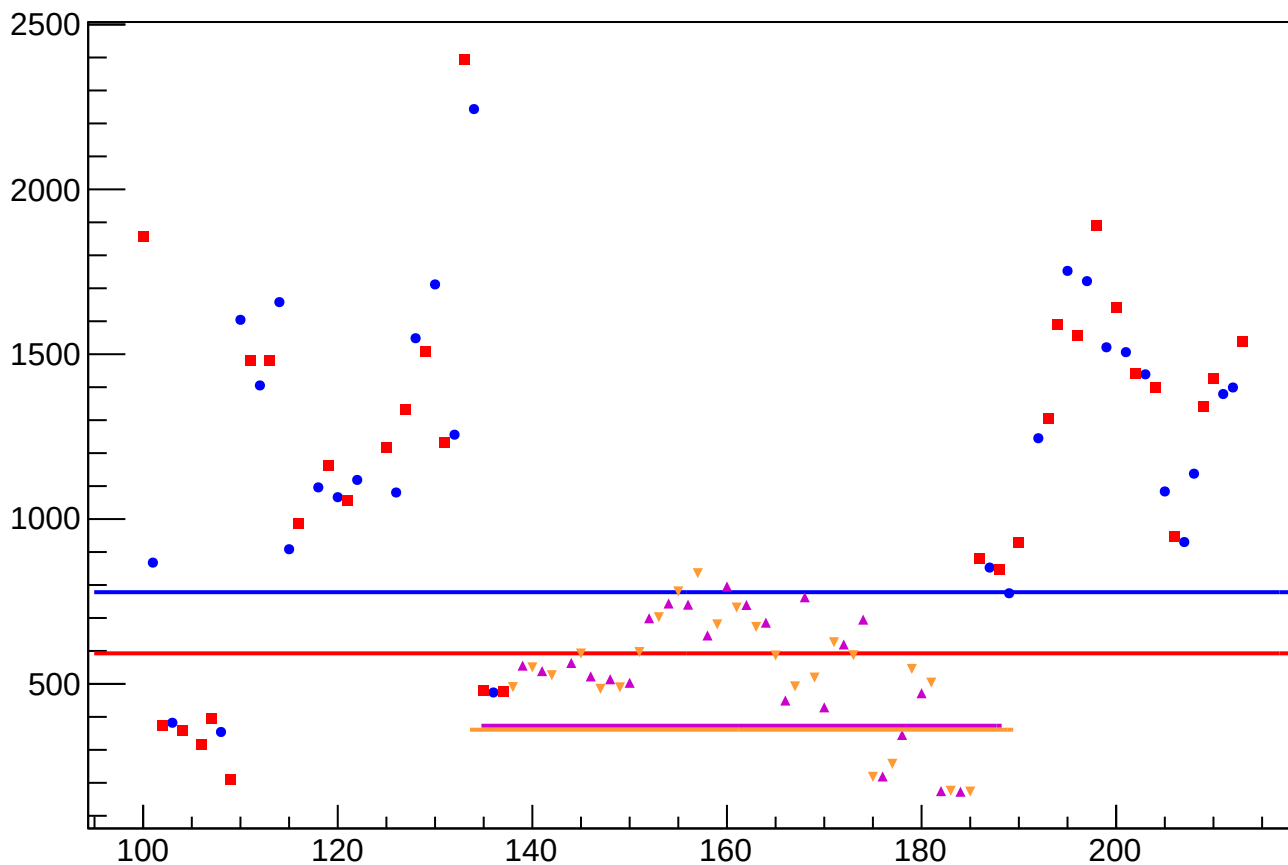
Left In: 62.183 ± 99.717 χ^2/NDF : 17.0/22

+ sign 226.278 ± 87.667 χ^2/NDF : 73.3/52

All: 161.493 ± 61.554 χ^2/NDF : 115.5/107

- sign 98.501 ± 86.446 χ^2/NDF : 41.2/54

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 778.221+/-0.153 χ^2/NDF : 8347656.2/28

Left Out: 361.100+/-0.068 χ^2/NDF : 8183123.9/23

Right Out: 592.739+/-0.123 χ^2/NDF : 13249889.8/31

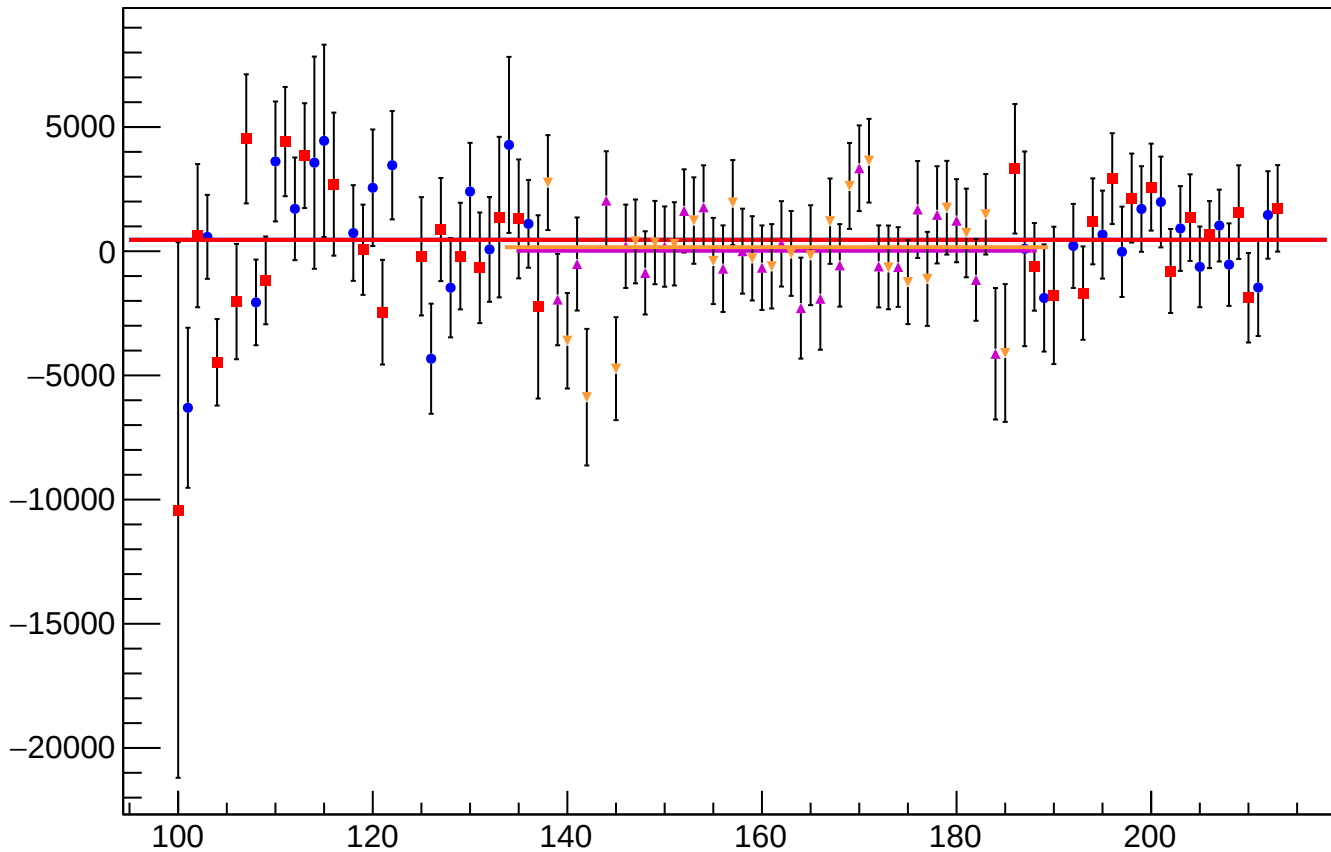
Left In: 373.140+/-0.071 χ^2/NDF : 8207354.5/22

+ sign 429.597+/-0.062 χ^2/NDF : 22745034.3/52

All: 428.637+/-0.044 χ^2/NDF : 46612733.5/10

- sign 427.702+/-0.061 χ^2/NDF : 23867225.5/54

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 463.492 ± 369.046 χ^2/NDF : 25.7/28

Left Out: 161.587 ± 368.366 χ^2/NDF : 29.9/23

Right Out: 458.434 ± 361.265 χ^2/NDF : 34.4/31

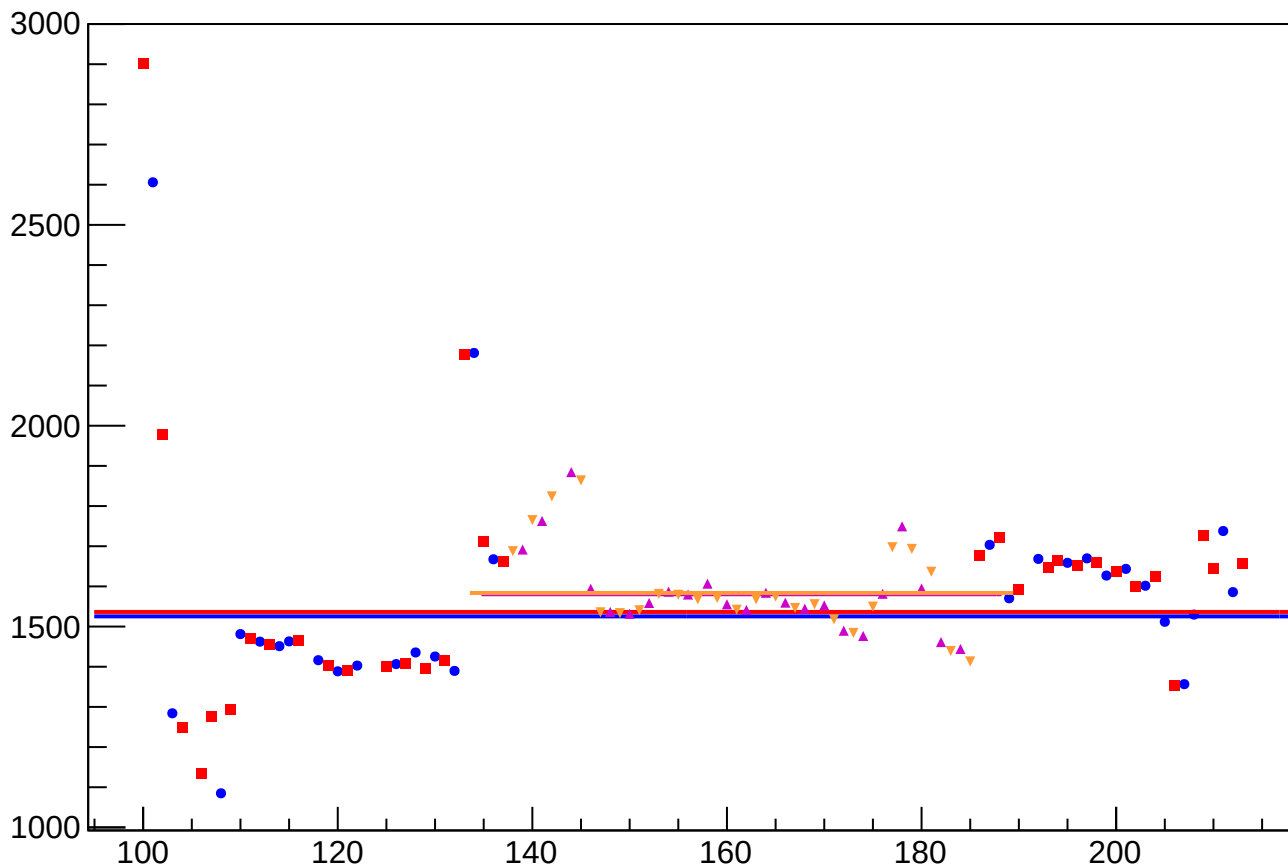
Left In: 20.250 ± 369.781 χ^2/NDF : 16.0/22

+ sign 312.261 ± 260.714 χ^2/NDF : 55.9/52

All: 278.052 ± 183.533 χ^2/NDF : 107.0/107

- sign 244.445 ± 258.411 χ^2/NDF : 51.1/54

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1525.355+/-0.261 χ^2/NDF : 639814.9/28

Left Out: 1583.673+/-0.260 χ^2/NDF : 133583.3/23

Right Out: 1536.400+/-0.255 χ^2/NDF : 550744.3/31

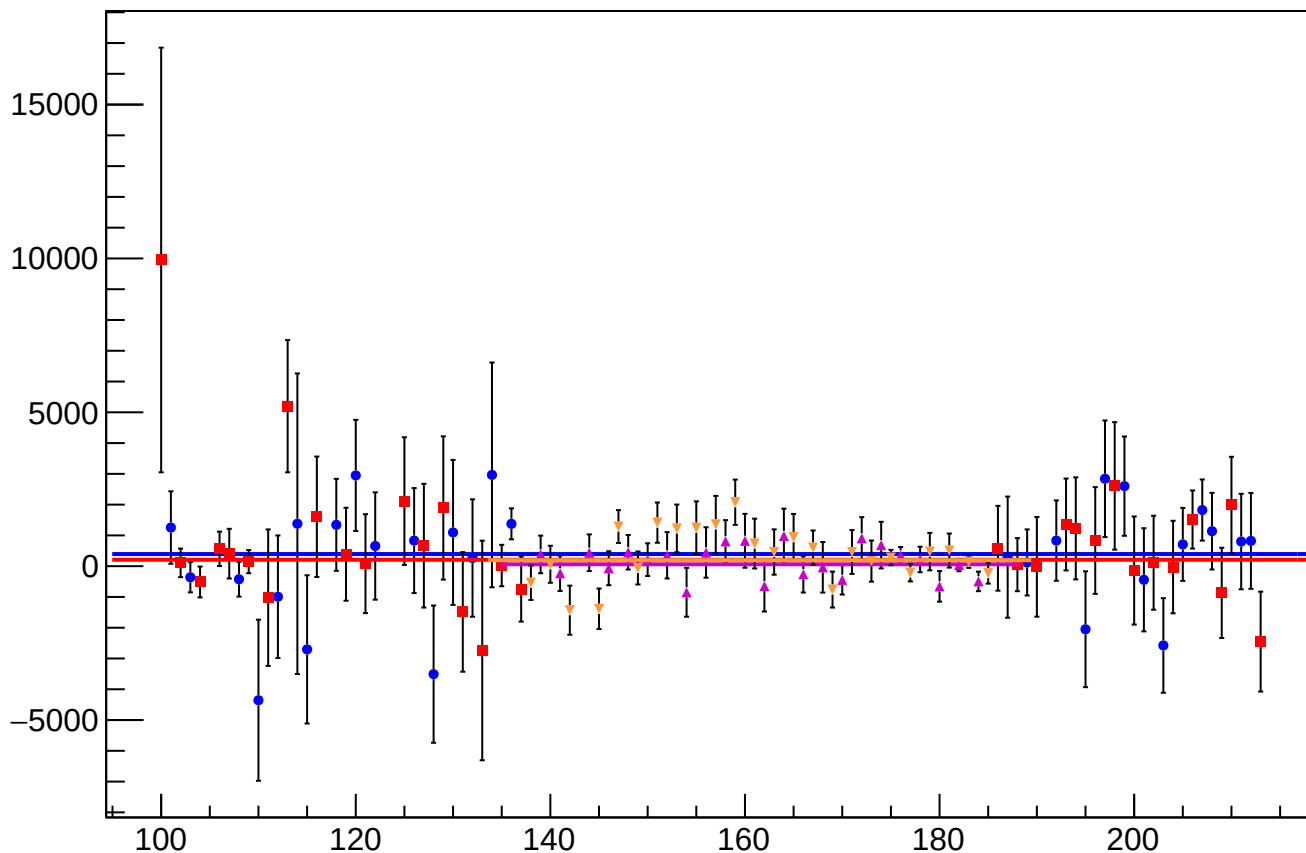
Left In: 1580.464+/-0.261 χ^2/NDF : 125745.6/22

+ sign 1554.568+/-0.184 χ^2/NDF : 798415.5/52

All: 1556.258+/-0.130 χ^2/NDF : 1489602.2/10

- sign 1557.919+/-0.183 χ^2/NDF : 691020.1/54

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 394.085 ± 216.336 χ^2/NDF : 32.5/28

Left Out: 193.312 ± 95.894 χ^2/NDF : 40.1/23

Right Out: 208.351 ± 173.427 χ^2/NDF : 23.7/31

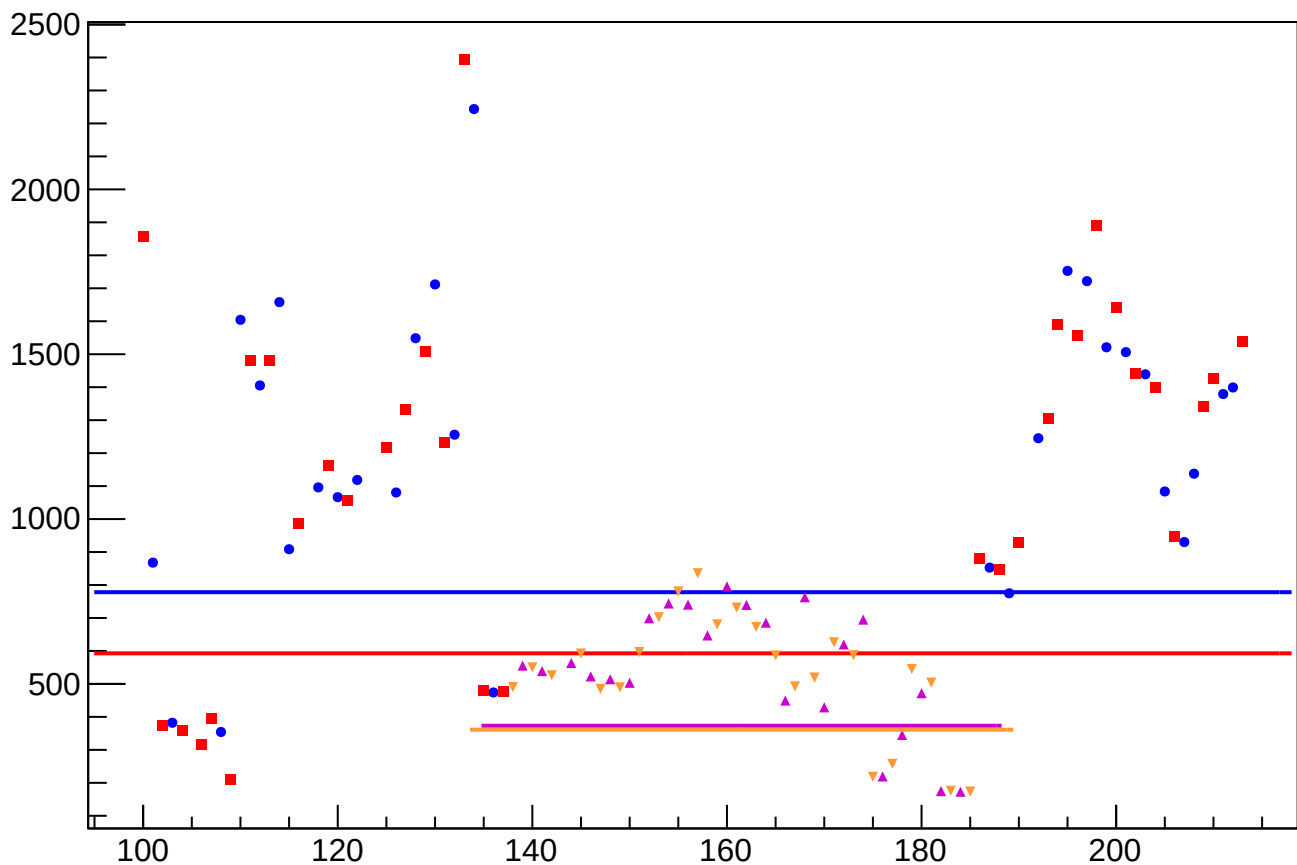
Left In: 62.181 ± 99.718 χ^2/NDF : 17.0/22

+ sign 226.282 ± 87.668 χ^2/NDF : 73.3/52

All: 161.495 ± 61.554 χ^2/NDF : 115.5/107

- sign 98.499 ± 86.447 χ^2/NDF : 41.2/54

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 778.219 $\pm$ 0.153 χ^2 /NDF: 8347676.6/28

Left Out: 361.103 $\pm$ 0.068 χ^2 /NDF: 8182968.2/23

Right Out: 592.746 $\pm$ 0.123 χ^2 /NDF: 13249699.0/31

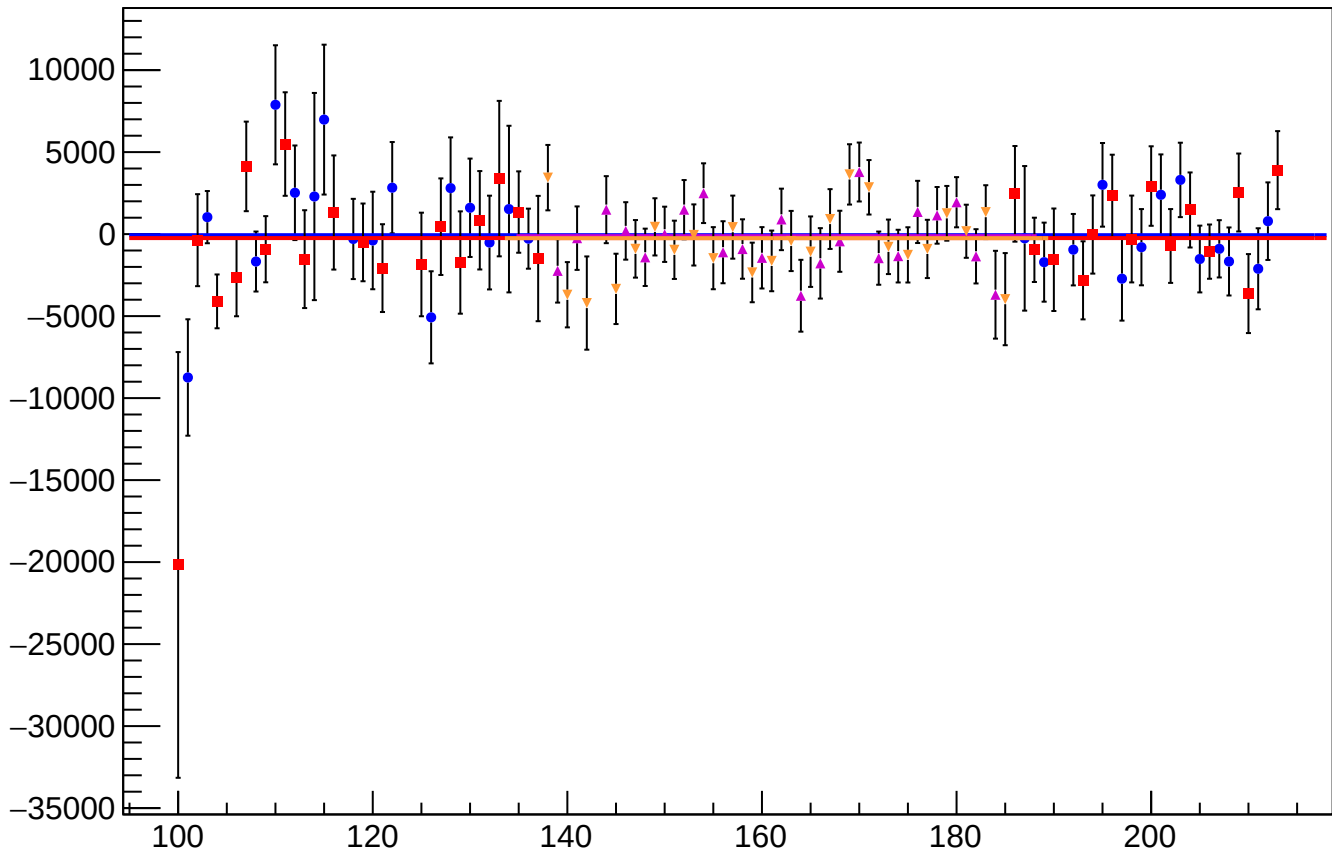
Left In: 373.145 $\pm$ 0.071 χ^2 /NDF: 8207110.6/22

+ sign 429.601 $\pm$ 0.062 χ^2 /NDF: 22744726.4/52

All: 428.641 $\pm$ 0.044 χ^2 /NDF: 46611998.5/10

- sign 427.708 $\pm$ 0.061 χ^2 /NDF: 23866799.3/54

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -65.329 ± 462.158 χ^2/NDF : 29.5/28

Left Out: -247.110 ± 378.224 χ^2/NDF : 26.0/23

Right Out: -242.888 ± 448.834 χ^2/NDF : 29.9/31

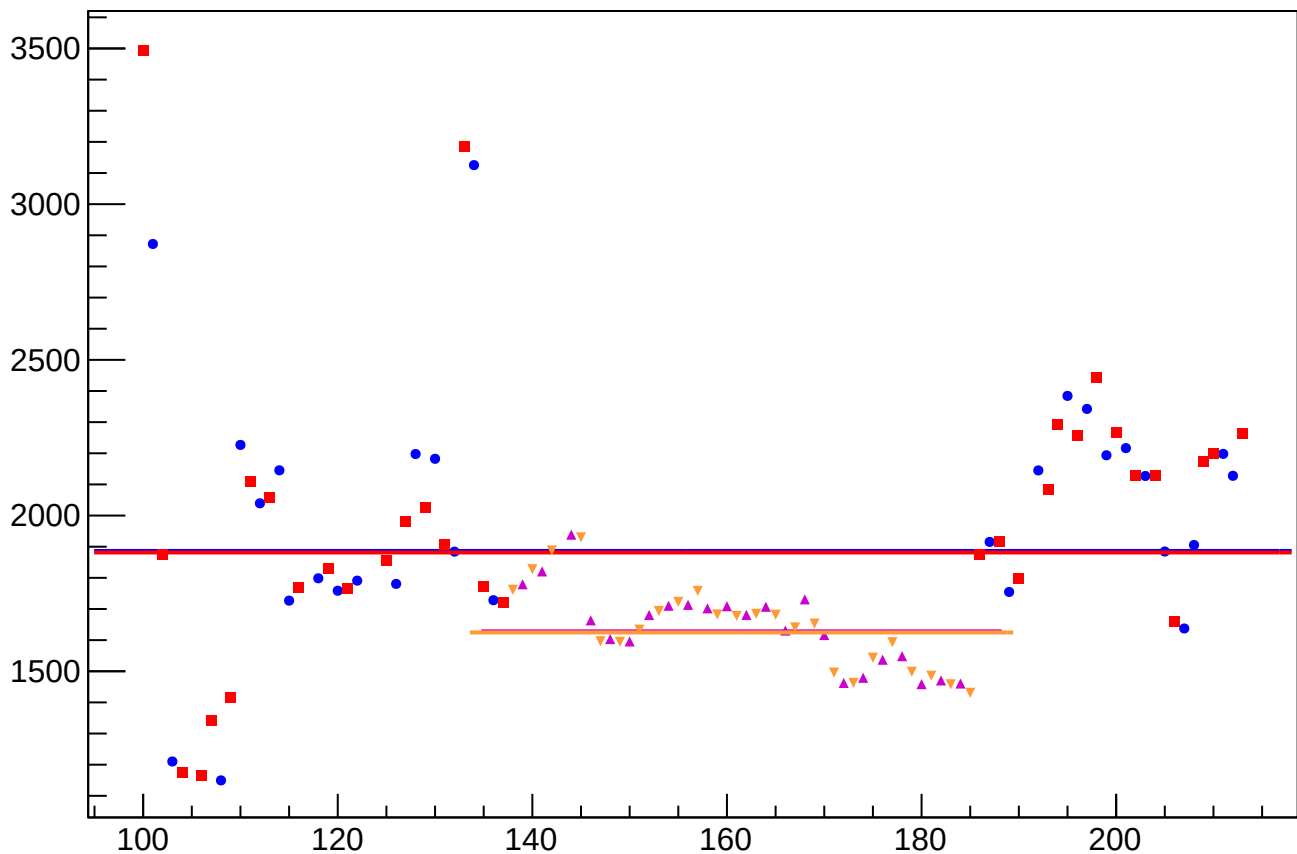
Left In: -126.114 ± 381.305 χ^2/NDF : 21.2/22

+ sign -174.195 ± 292.700 χ^2/NDF : 55.7/52

All: -174.633 ± 206.222 χ^2/NDF : 106.8/107

- sign -175.064 ± 290.597 χ^2/NDF : 51.1/54

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1886.329 $\pm$ 0.327 χ^2 /NDF: 1414524.5/28

Left Out: 1624.614 $\pm$ 0.267 χ^2 /NDF: 207257.7/23

Right Out: 1881.442 $\pm$ 0.317 χ^2 /NDF: 1418128.0/31

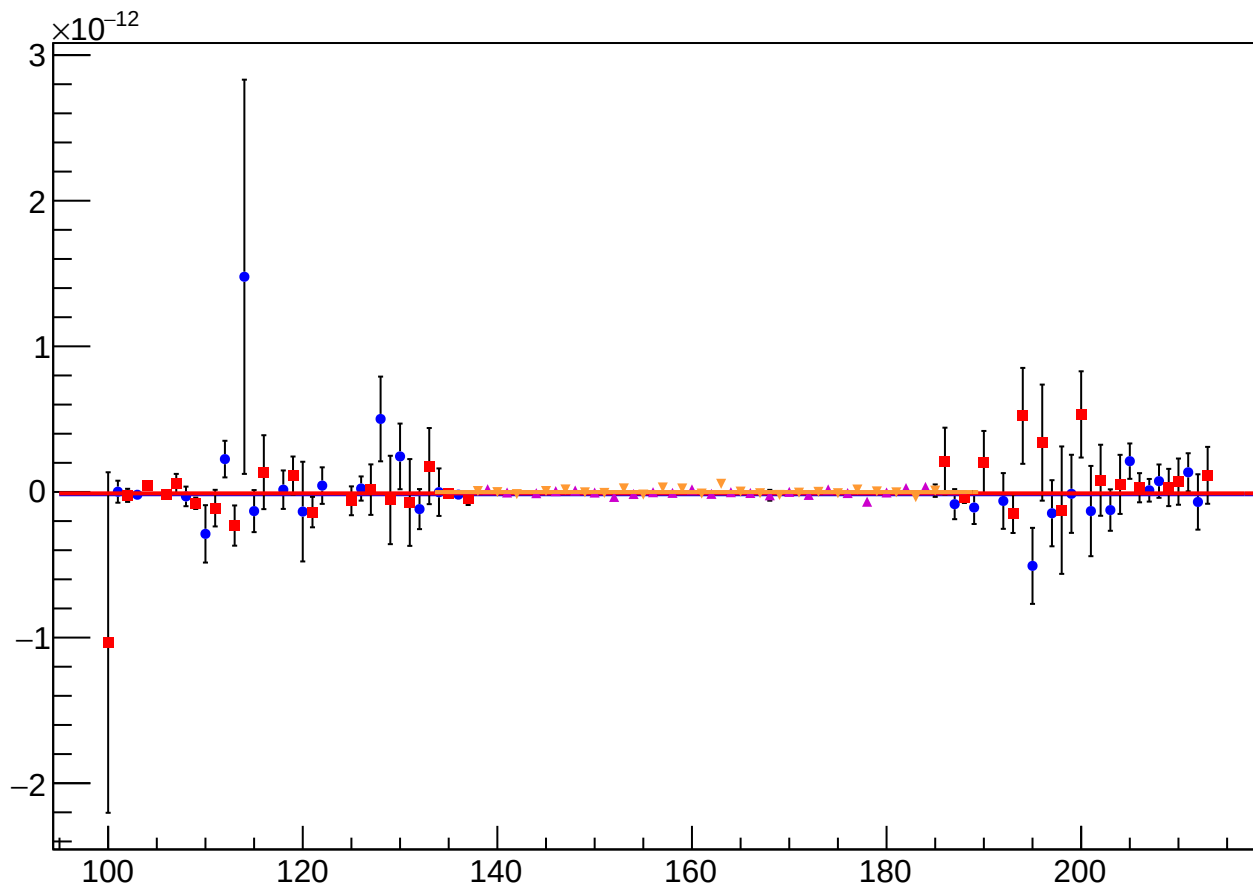
Left In: 1628.221 $\pm$ 0.270 χ^2 /NDF: 204880.6/22

+ sign 1729.591 $\pm$ 0.207 χ^2 /NDF: 2005889.5/52

All: 1731.997 $\pm$ 0.146 χ^2 /NDF: 3998905.5/10

- sign 1734.369 $\pm$ 0.205 χ^2 /NDF: 1992747.7/54

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 24.7/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 22.6/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 28.0/31

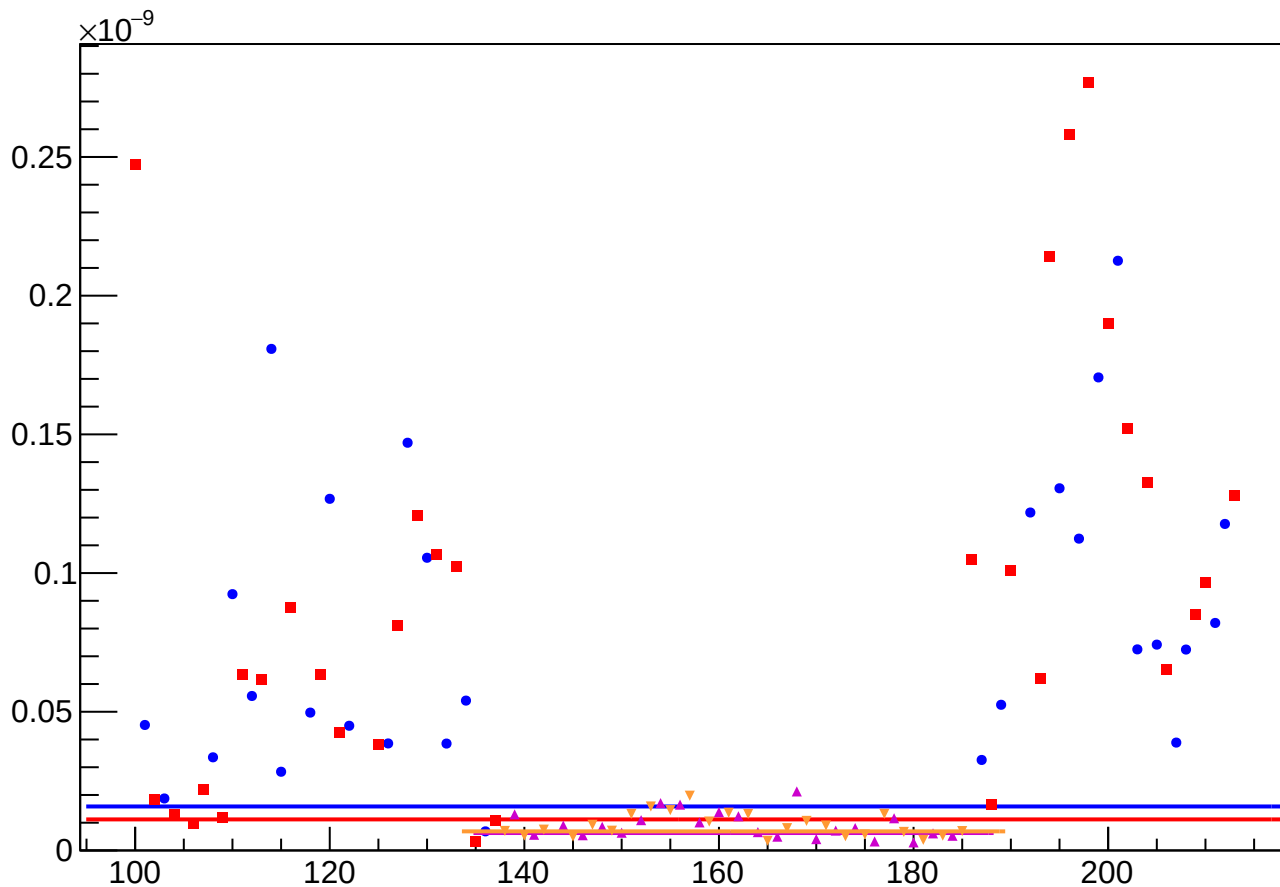
Left In: -0.000+/-0.000 χ^2 /NDF: 24.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 49.4/52

All: -0.000+/-0.000 χ^2 /NDF: 102.5/107

- sign -0.000+/-0.000 χ^2 /NDF: 53.0/54

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9331163.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2256547.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 11670839.3/31

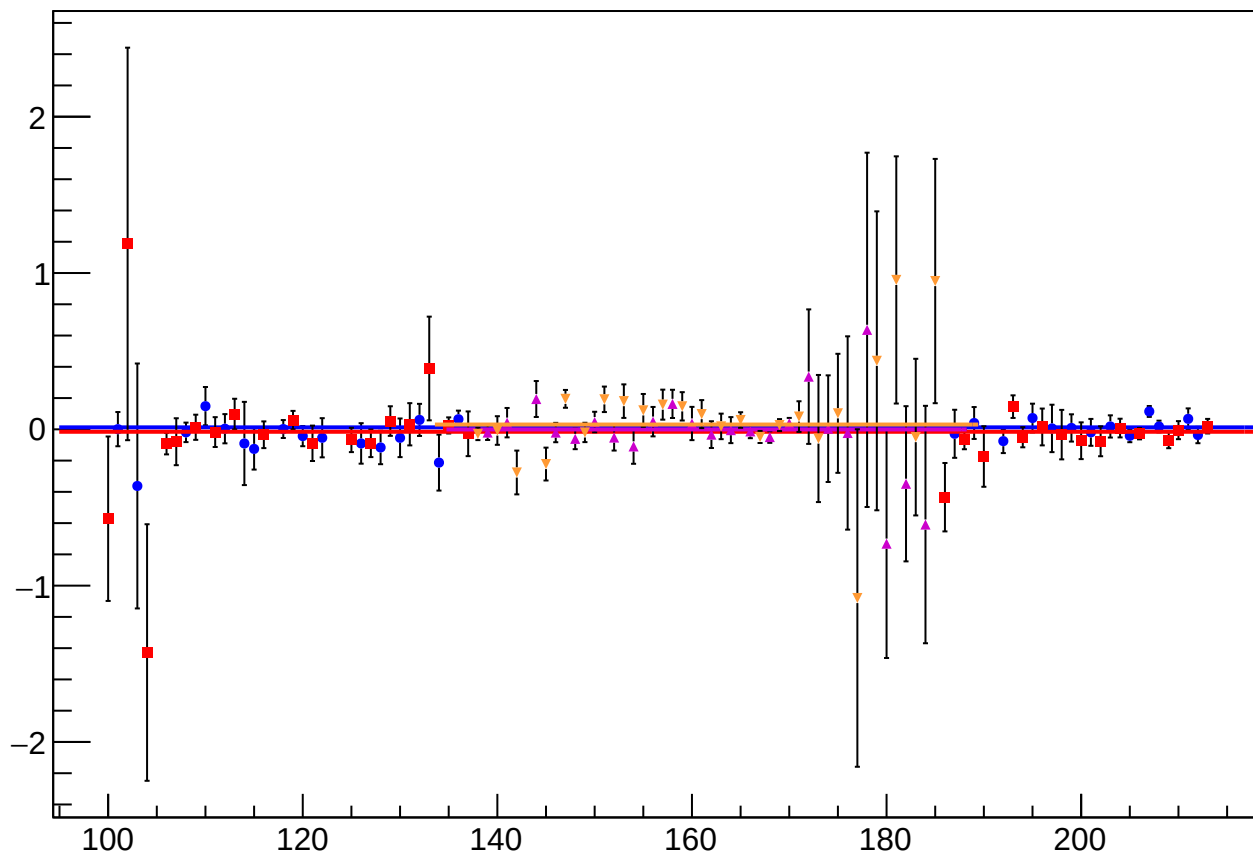
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2888385.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 13100322.3/52

All: 0.000 $\pm$ 0.000 χ^2/NDF : 28378515.3/107

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 15183182.2/54

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.013 χ^2/NDF : 23.1/28

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.016 ± 0.014 χ^2/NDF : 26.8/31

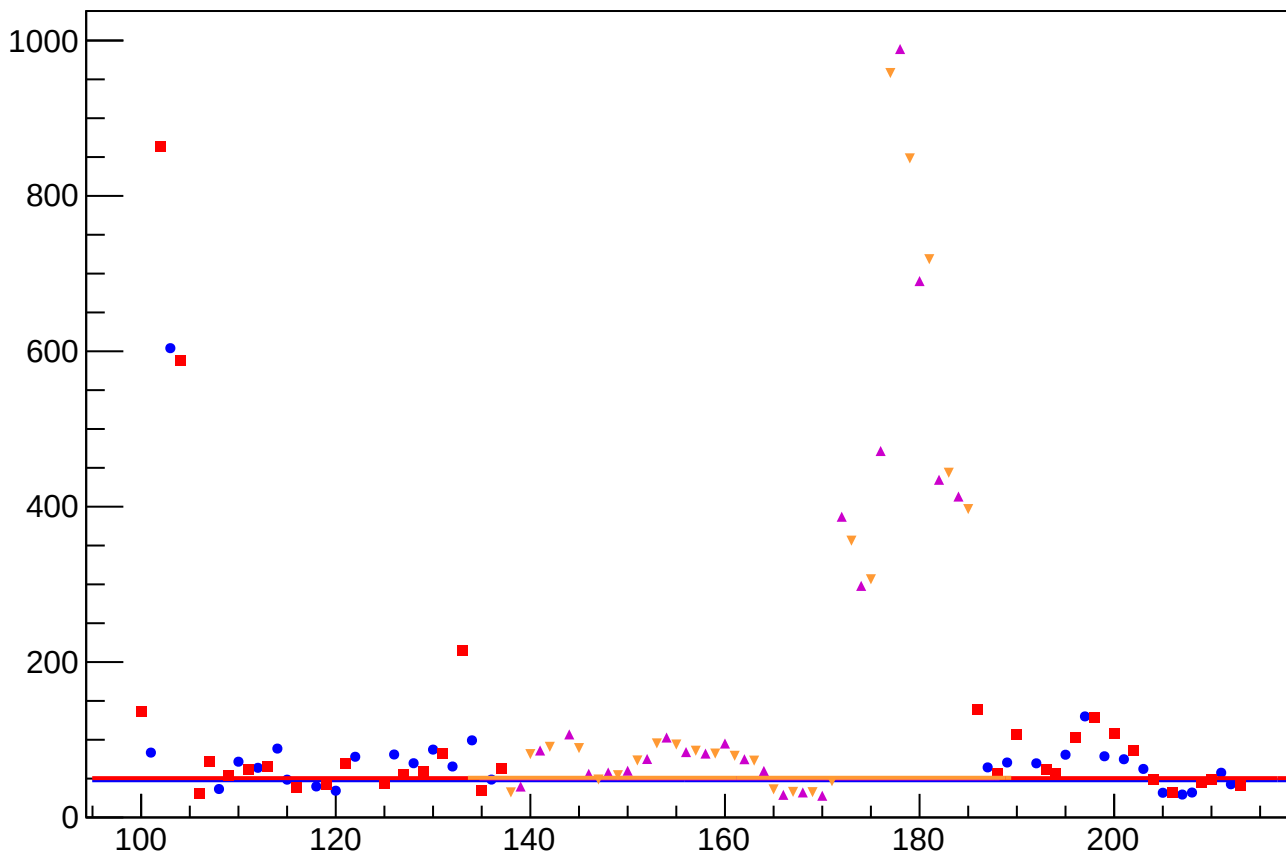
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.020 ± 0.010 χ^2/NDF : 65.4/52

All: 0.006 ± 0.007 χ^2/NDF : 112.9/107

- sign -0.009 ± 0.010 χ^2/NDF : 43.3/54

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.890 $\pm$ 0.010 χ^2 /NDF: 5303968.9/28

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 50.593 $\pm$ 0.010 χ^2 /NDF: 5838914.6/31

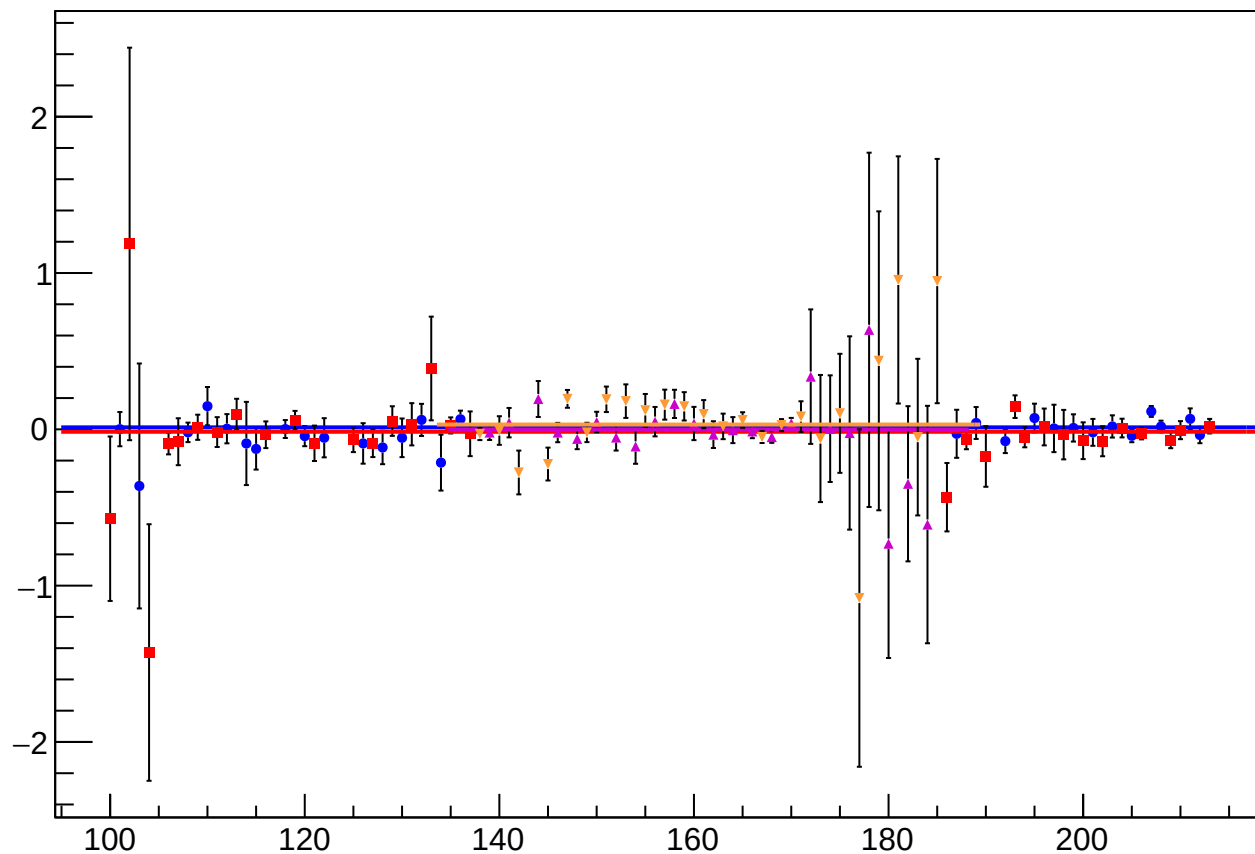
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 49.262 $\pm$ 0.007 χ^2 /NDF: 17089094.9/52

All: 49.845 $\pm$ 0.005 χ^2 /NDF: 35137618.3/107

- sign 50.439 $\pm$ 0.007 χ^2 /NDF: 18035191.4/54

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.013 χ^2/NDF : 23.1/28

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.016 ± 0.014 χ^2/NDF : 26.8/31

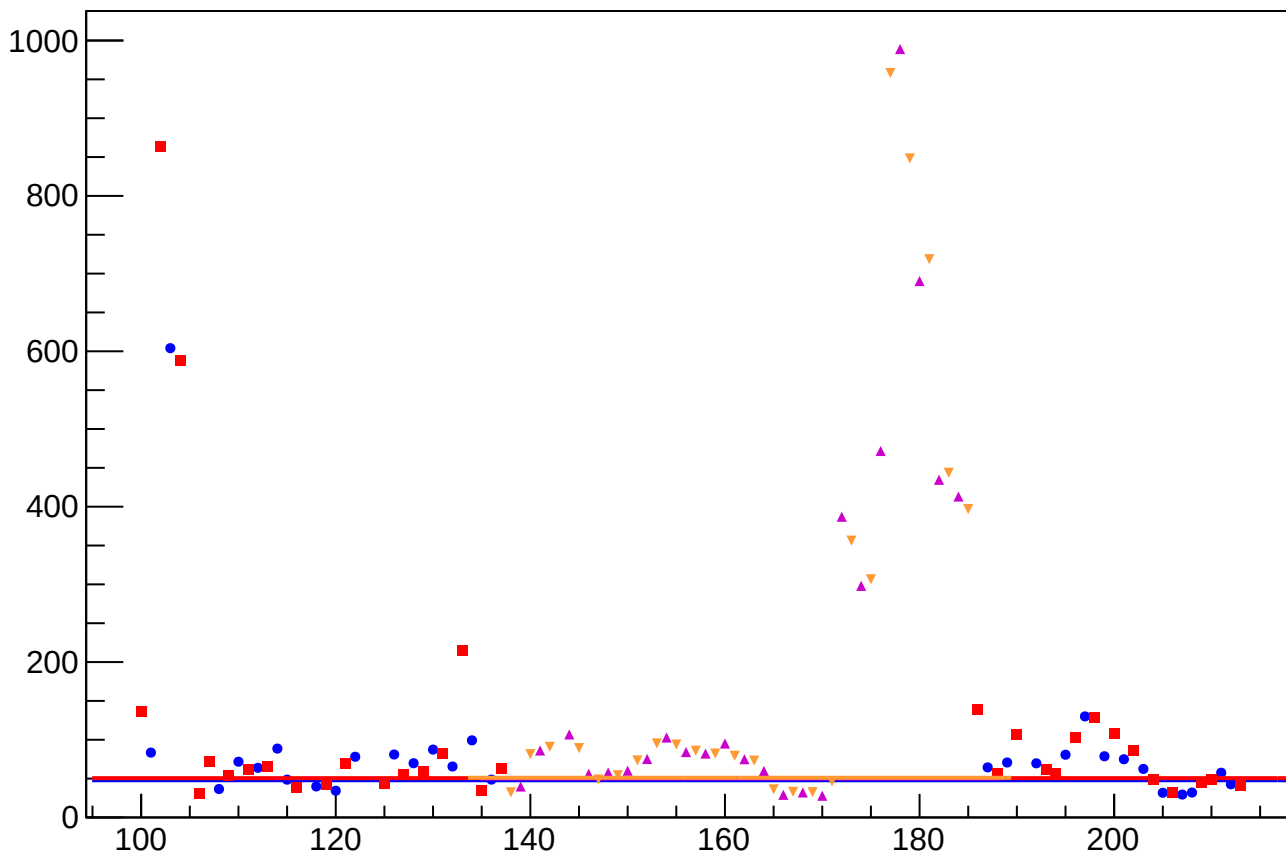
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.020 ± 0.010 χ^2/NDF : 65.4/52

All: 0.006 ± 0.007 χ^2/NDF : 112.9/107

- sign -0.009 ± 0.010 χ^2/NDF : 43.3/54

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.890+/-0.010 χ^2/NDF : 5303968.9/28

Left Out: 51.081+/-0.011 χ^2/NDF : 11736636.7/23

Right Out: 50.593+/-0.010 χ^2/NDF : 5838914.6/31

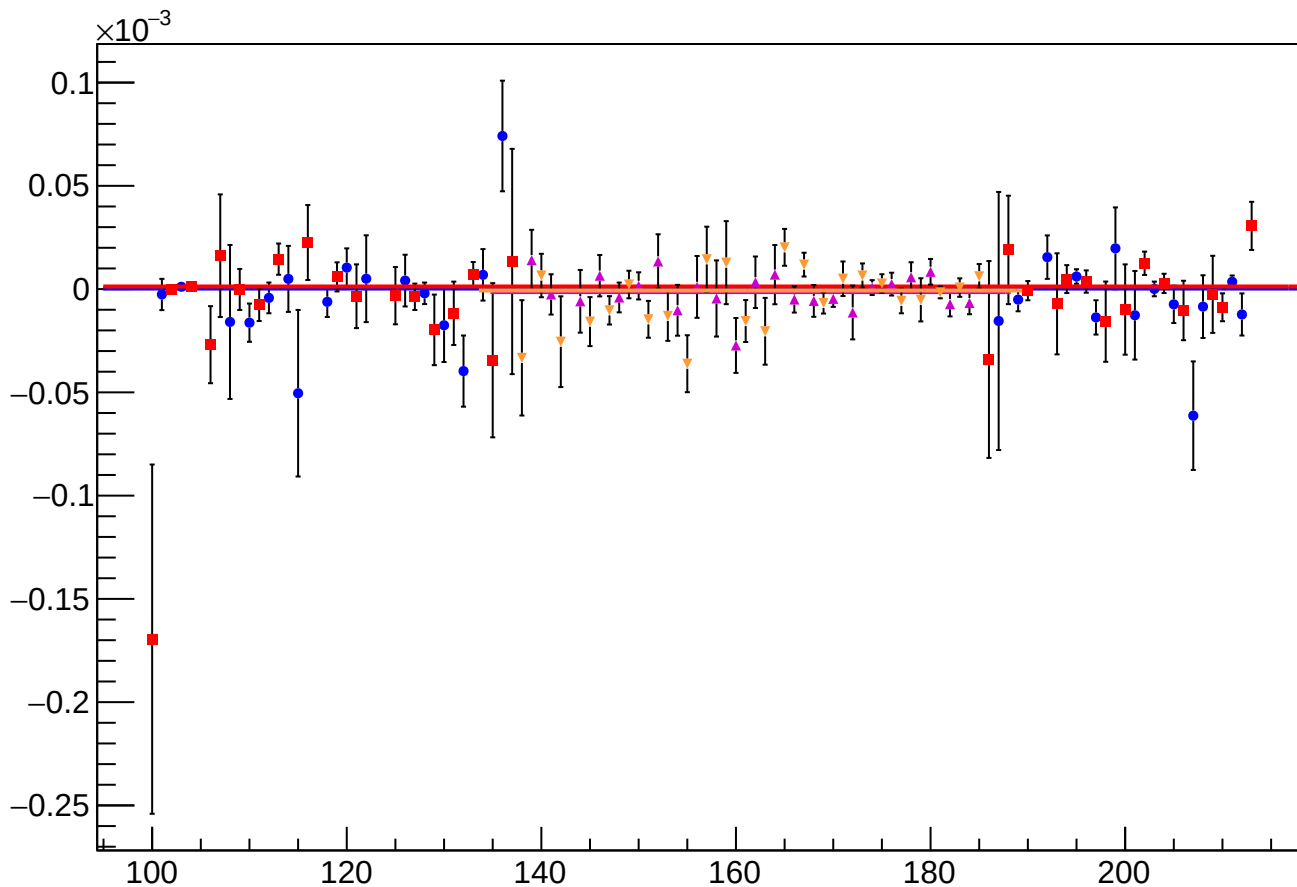
Left In: 50.251+/-0.011 χ^2/NDF : 12195723.8/22

+ sign 49.262+/-0.007 χ^2/NDF : 17089094.9/52

All: 49.845+/-0.005 χ^2/NDF : 35137618.3/107

- sign 50.439+/-0.007 χ^2/NDF : 18035191.4/54

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.4/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:38.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.2/31

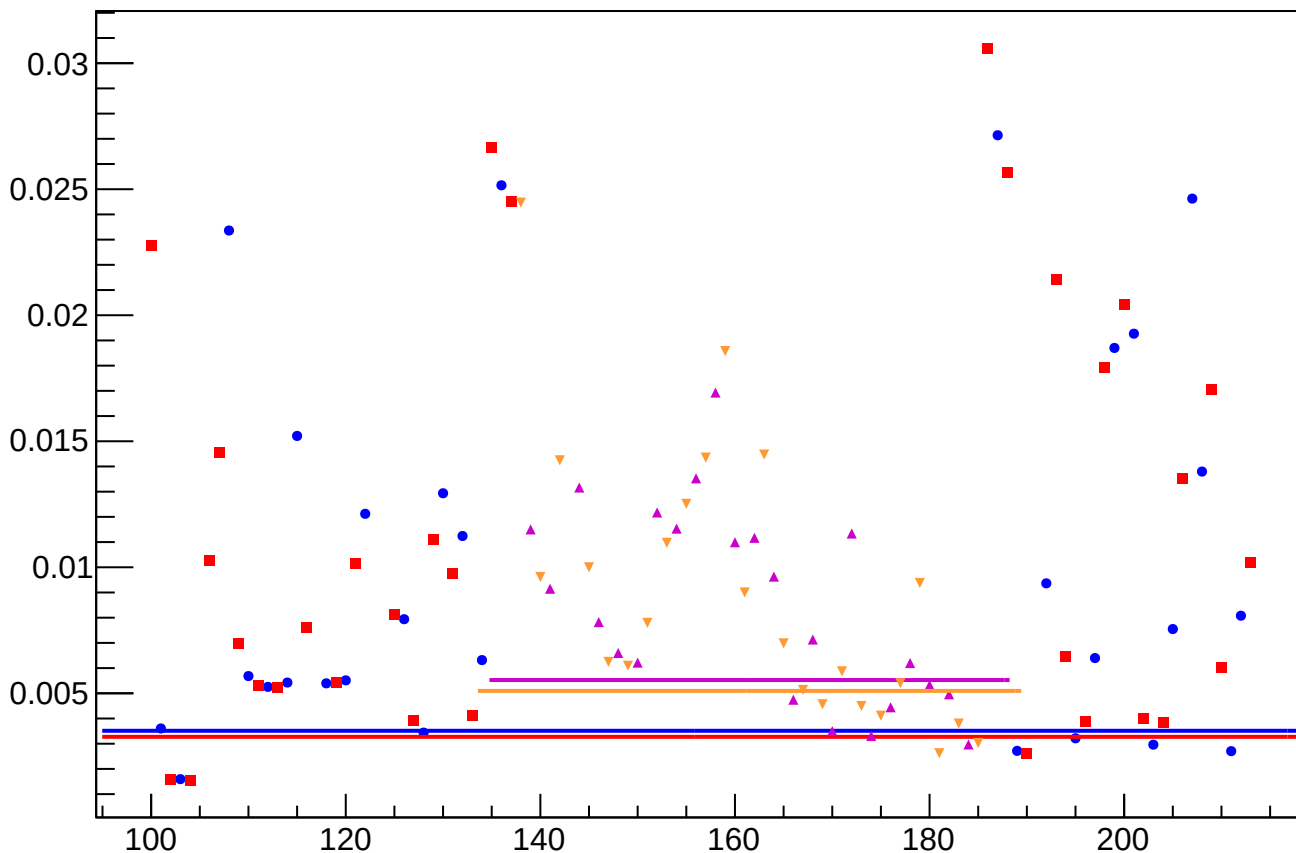
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:16.4/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.2/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 133.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.7/54

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 12566957.4/28

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 8380878.9/23

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 16205907.6/31

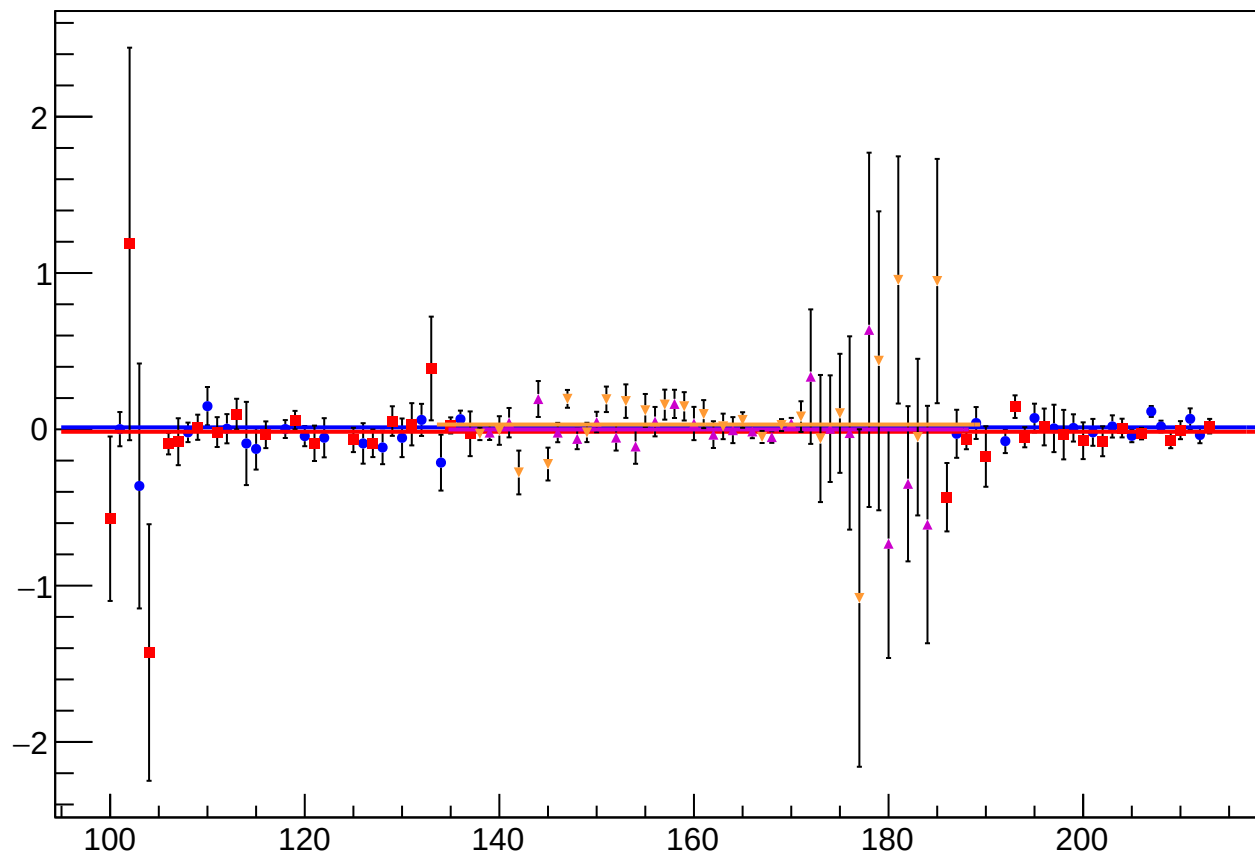
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 6892708.8/22

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 22466592.6/52

All: 0.004 $\pm$ 0.000 χ^2/NDF : 48517341.6/107

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 26031741.0/54

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.013 $\chi^2/\text{NDF}: 23.1/28$

Left Out: 0.031 ± 0.015 $\chi^2/\text{NDF}: 41.5/23$

Right Out: -0.016 ± 0.014 $\chi^2/\text{NDF}: 26.8/31$

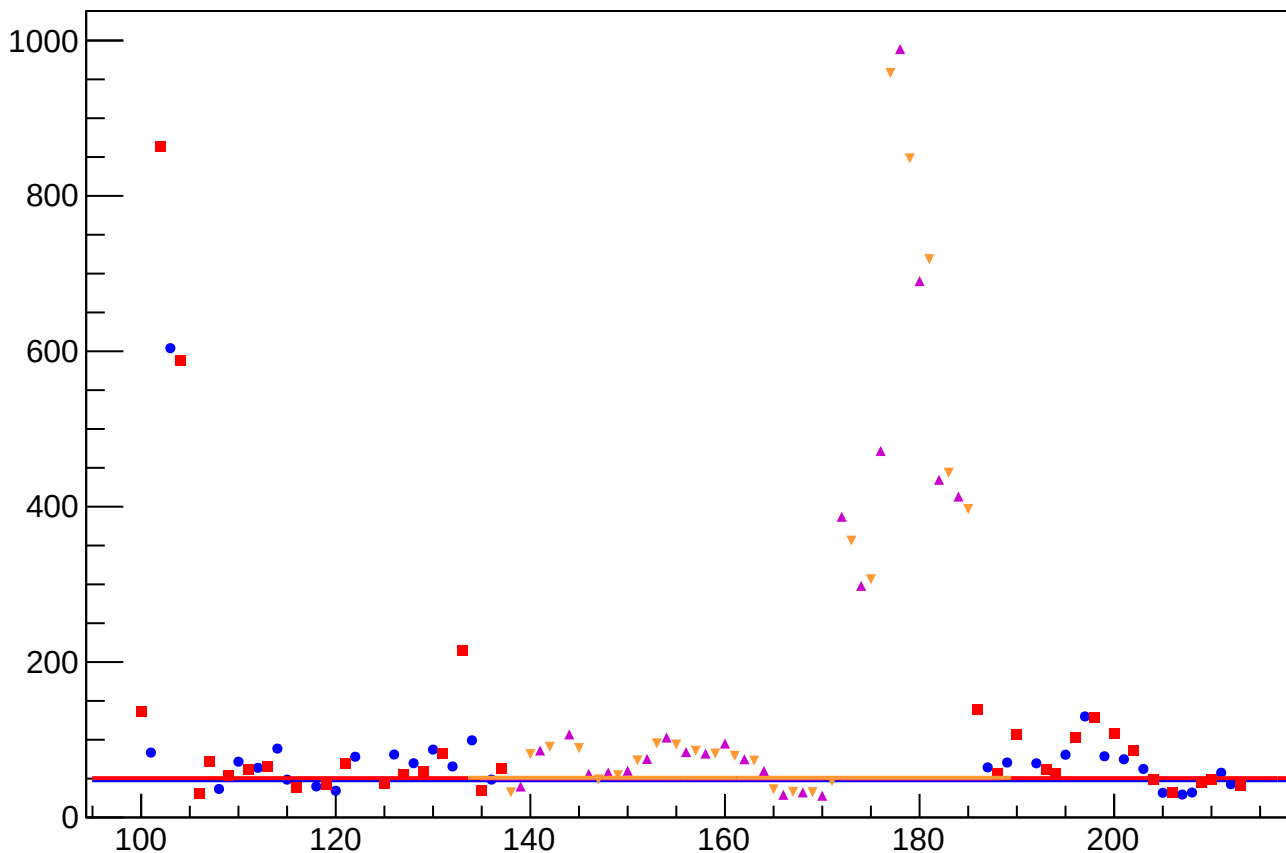
Left In: -0.001 ± 0.015 $\chi^2/\text{NDF}: 16.0/22$

+ sign 0.020 ± 0.010 $\chi^2/\text{NDF}: 65.4/52$

All: 0.006 ± 0.007 $\chi^2/\text{NDF}: 112.8/107$

- sign -0.009 ± 0.010 $\chi^2/\text{NDF}: 43.3/54$

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.891 $\pm$ 0.010 χ^2 /NDF: 5303747.1/28

Left Out: 51.083 $\pm$ 0.011 χ^2 /NDF: 11735805.5/23

Right Out: 50.594 $\pm$ 0.010 χ^2 /NDF: 5838616.0/31

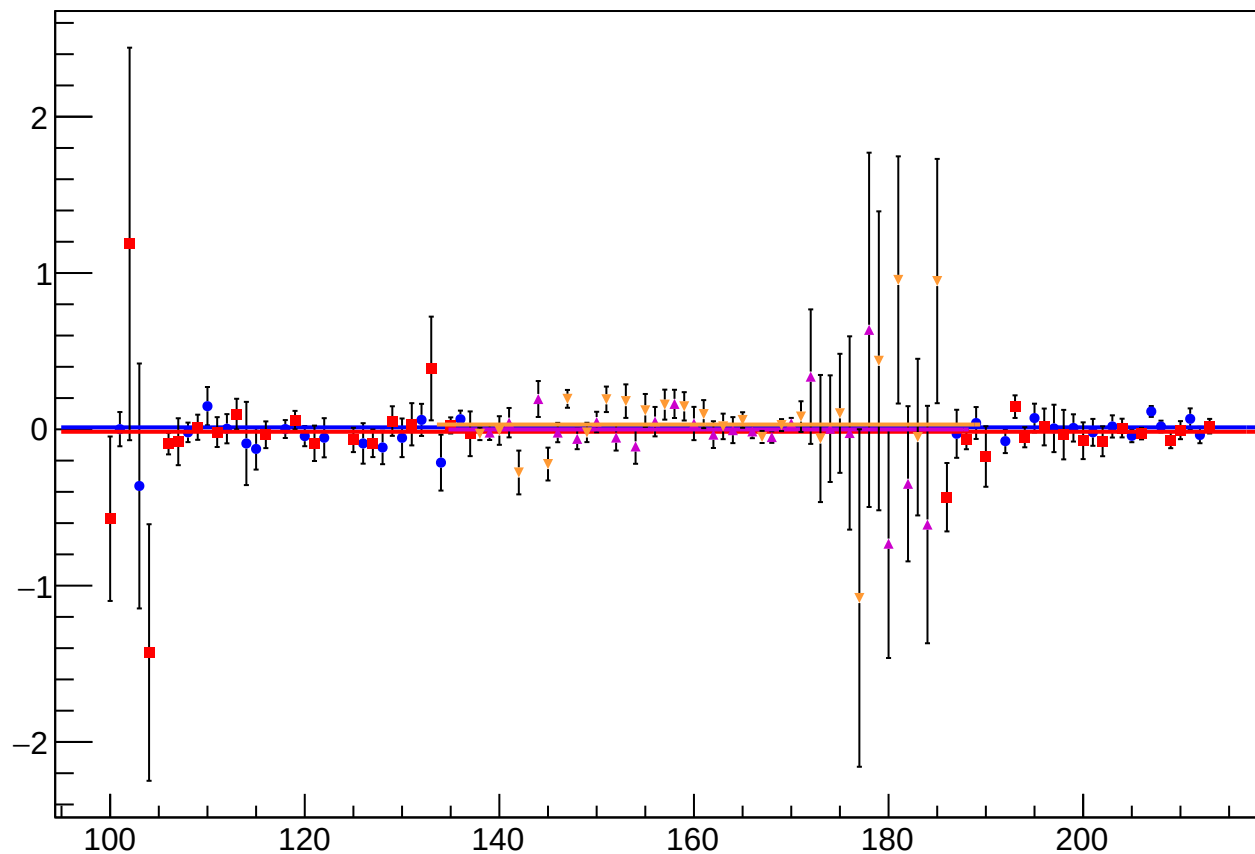
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195665.4/22

+ sign 49.264 $\pm$ 0.007 χ^2 /NDF: 17088076.2/52

All: 49.846 $\pm$ 0.005 χ^2 /NDF: 35136226.8/107

- sign 50.439 $\pm$ 0.007 χ^2 /NDF: 18034839.1/54

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.013 χ^2/NDF : 23.1/28

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.016 ± 0.014 χ^2/NDF : 26.8/31

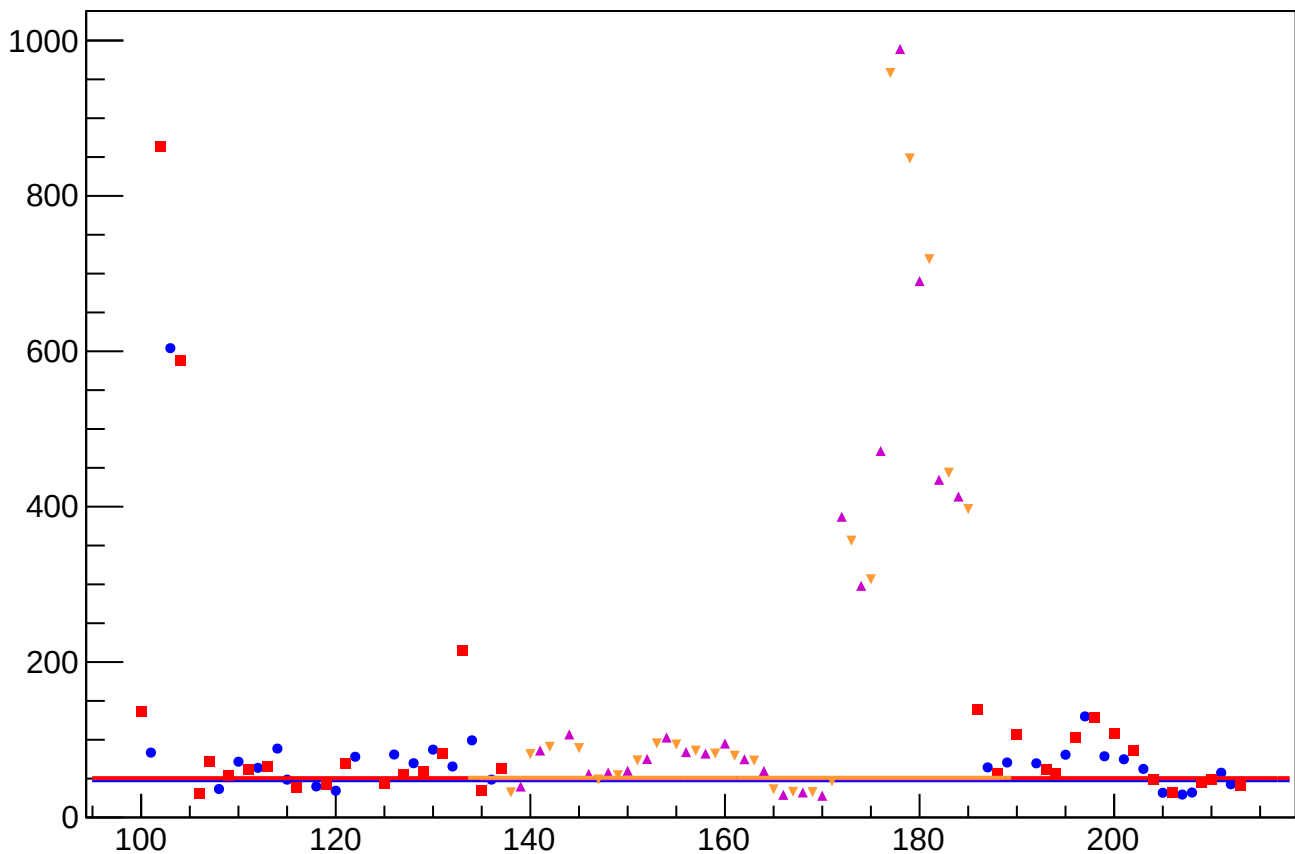
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.020 ± 0.010 χ^2/NDF : 65.4/52

All: 0.006 ± 0.007 χ^2/NDF : 112.8/107

- sign -0.009 ± 0.010 χ^2/NDF : 43.3/54

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.891+/-0.010 χ^2/NDF : 5303747.1/28

Left Out: 51.083+/-0.011 χ^2/NDF : 11735805.5/23

Right Out: 50.594+/-0.010 χ^2/NDF : 5838616.0/31

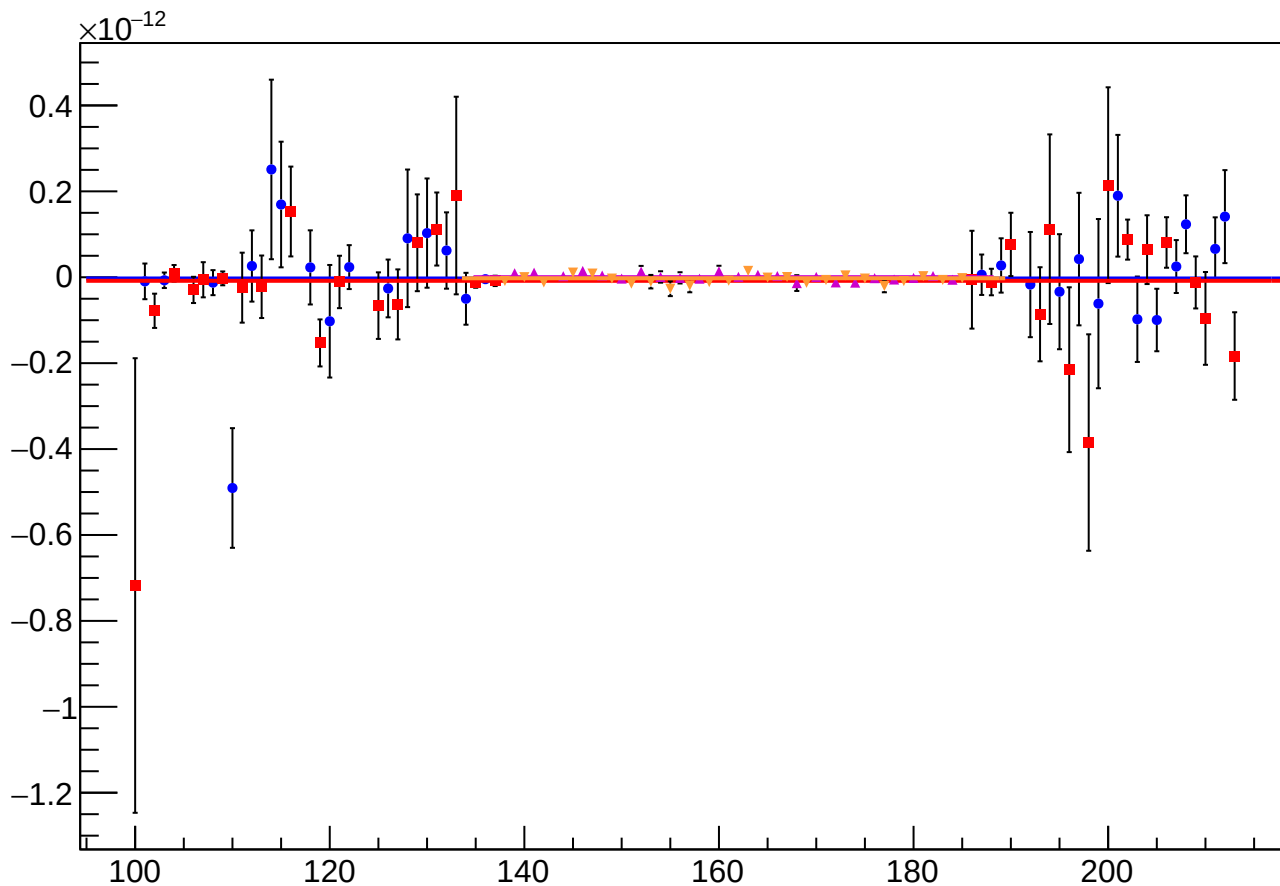
Left In: 50.251+/-0.011 χ^2/NDF : 12195665.4/22

+ sign 49.264+/-0.007 χ^2/NDF : 17088076.2/52

All: 49.846+/-0.005 χ^2/NDF : 35136226.8/107

- sign 50.439+/-0.007 χ^2/NDF : 18034839.1/54

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:22.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.7/31

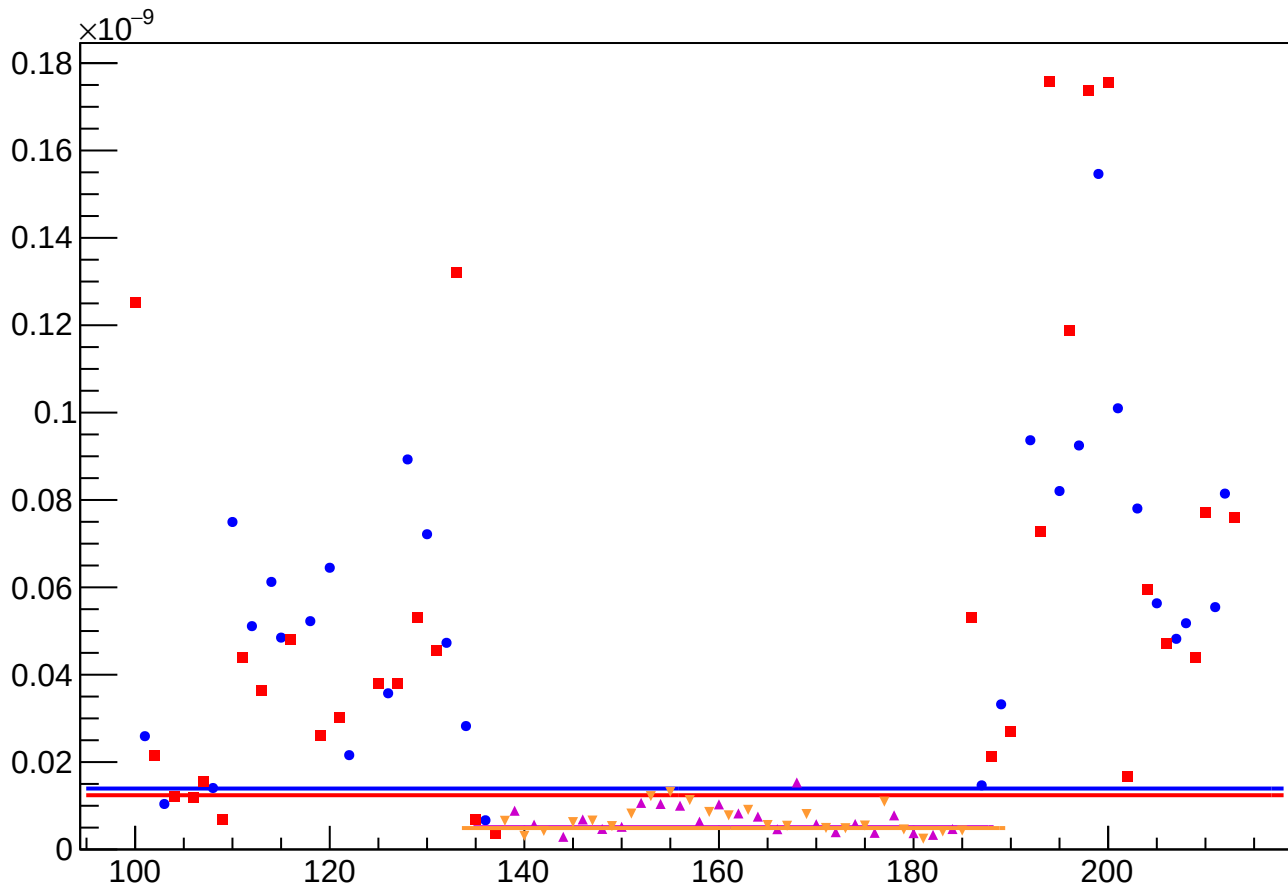
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 52.3/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 111.0/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.7/54

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13049884.5/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 4312108.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 12564873.6/31

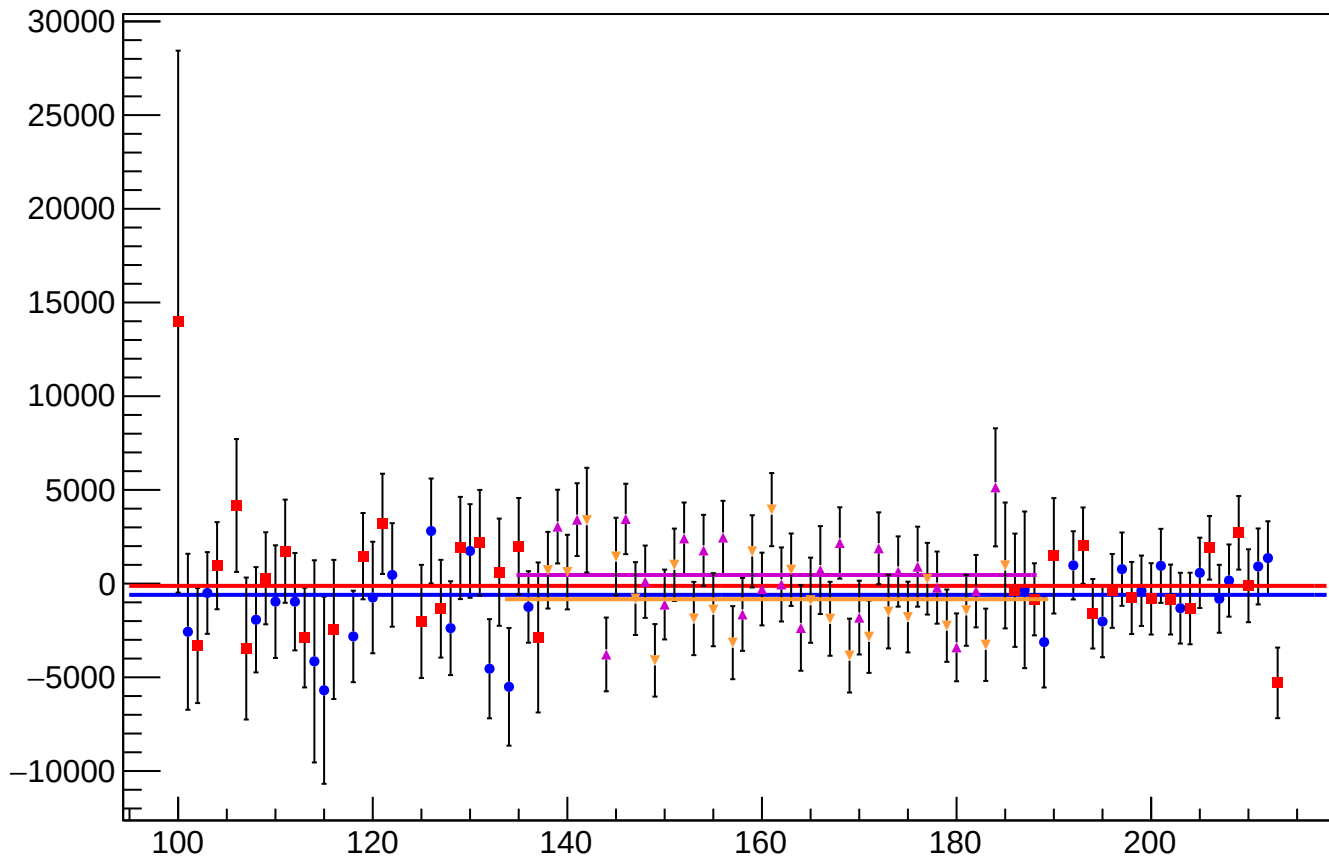
Left In: 0.000 ± 0.000 χ^2/NDF : 3777059.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 20994820.9/52

All: 0.000 ± 0.000 χ^2/NDF : 40043422.2/107

- sign 0.000 ± 0.000 χ^2/NDF : 19030642.2/54

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -600.075 ± 432.195 χ^2/NDF : 16.3/28

Left Out: -832.582 ± 410.448 χ^2/NDF : 25.4/23

Right Out: -120.432 ± 419.865 χ^2/NDF : 25.5/31

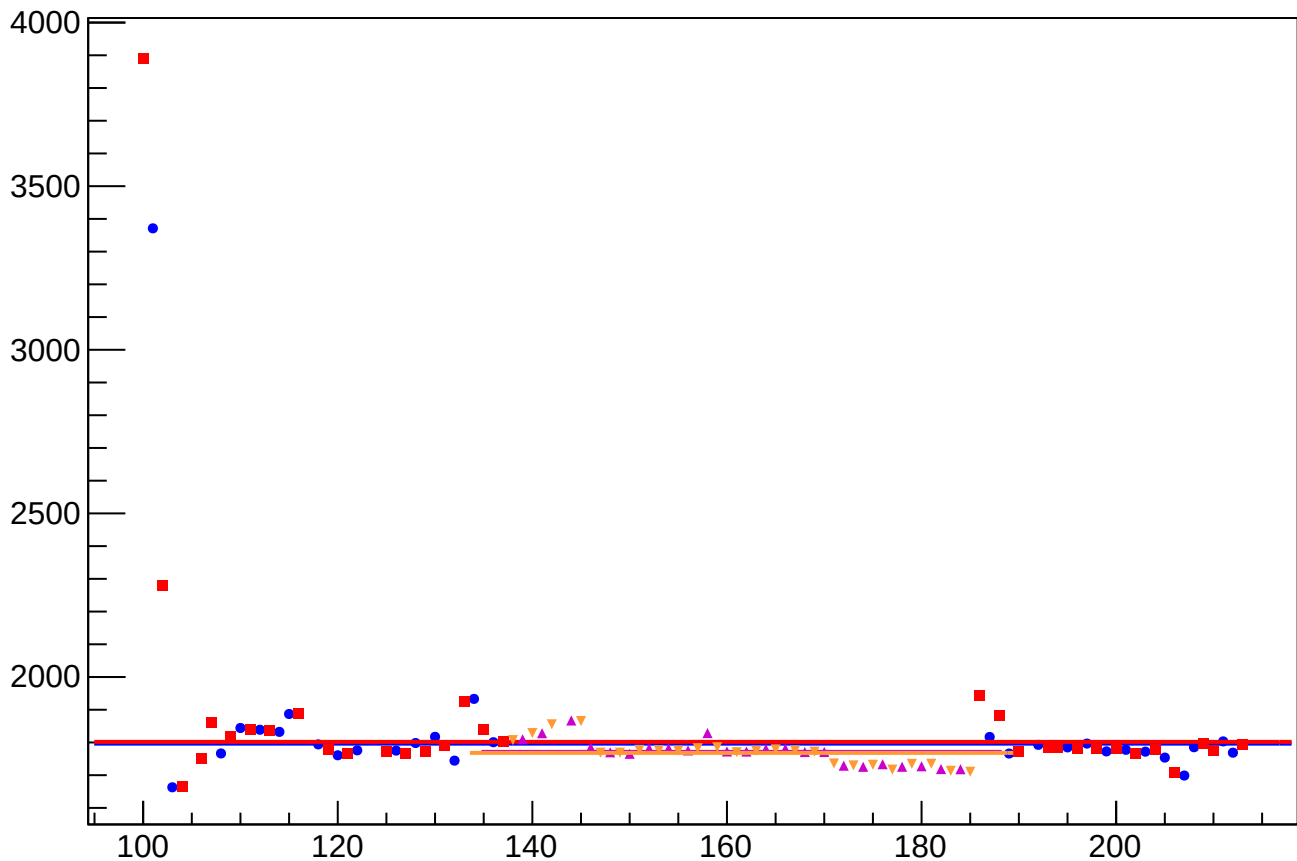
Left In: 459.594 ± 413.637 χ^2/NDF : 27.3/22

+ sign -722.326 ± 297.622 χ^2/NDF : 41.9/52

All: -269.728 ± 209.396 χ^2/NDF : 100.3/107

- sign 173.915 ± 294.663 χ^2/NDF : 53.8/54

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.413 $\pm$ 0.306 χ^2 /NDF: 309649.1/28

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF:16358.2/23

Right Out: 1801.816 $\pm$ 0.297 χ^2 /NDF: 122330.9/31

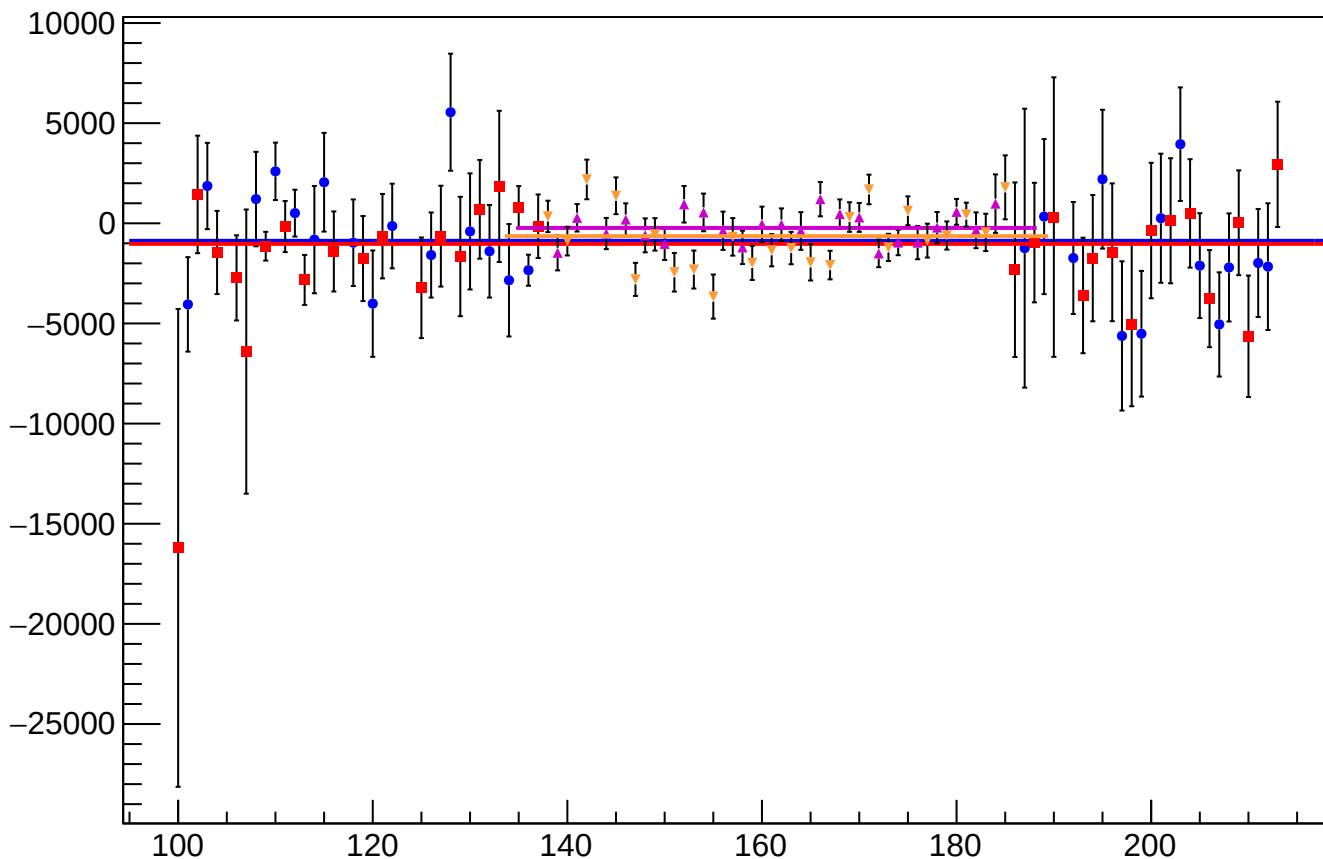
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF:16425.7/22

+ sign 1781.540 $\pm$ 0.210 χ^2 /NDF: 330512.1/52

All: 1783.938 $\pm$ 0.148 χ^2 /NDF: 474916.4/107

- sign 1786.288 $\pm$ 0.208 χ^2 /NDF: 144147.2/54

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -875.752 $\pm$ 392.942 χ^2 /NDF: 34.7/28

Left Out: -641.029 $\pm$ 166.449 χ^2 /NDF:66.7/23

Right Out: -1026.200 $\pm$ 356.549 χ^2 /NDF: 19.5/31

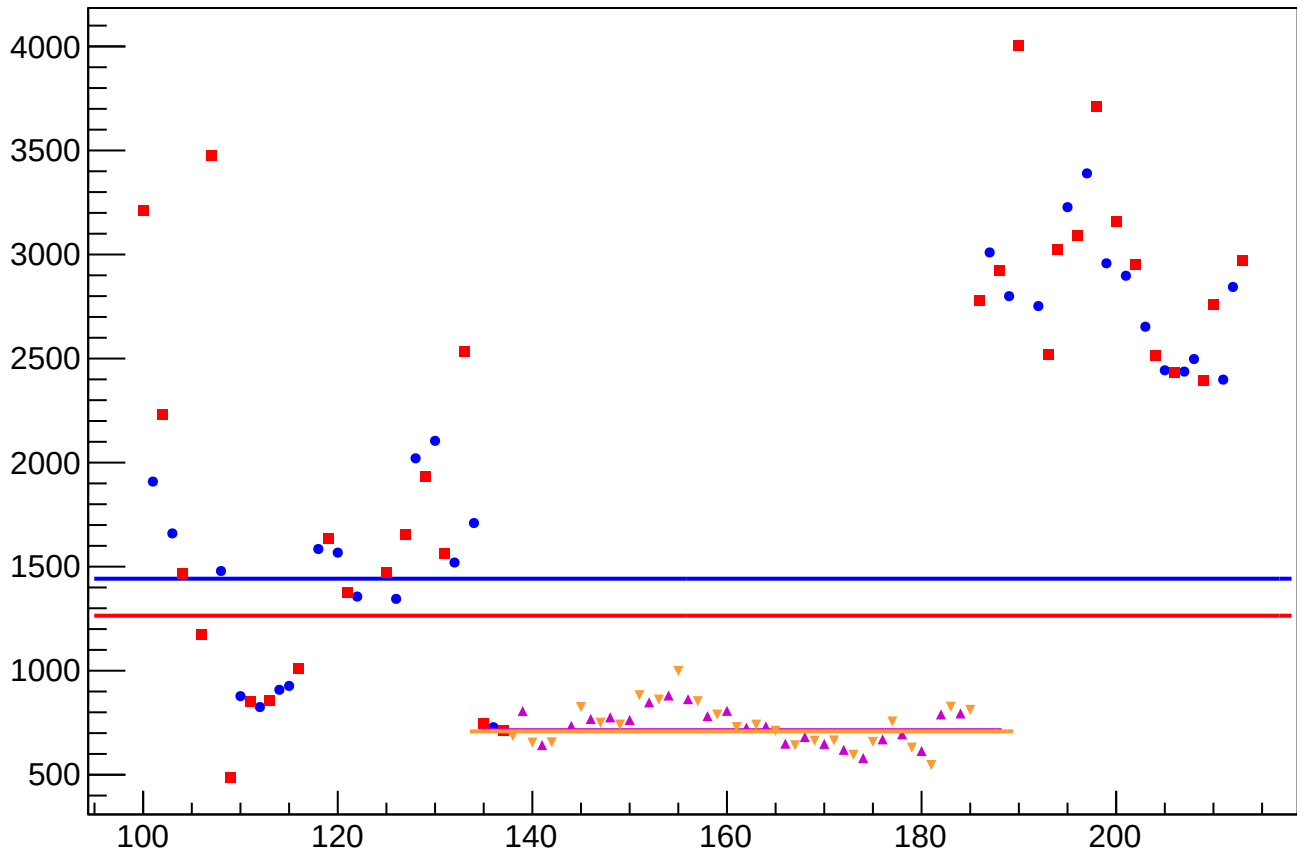
Left In: -230.653 $\pm$ 168.319 χ^2 /NDF:19.9/22

+ sign -676.739 $\pm$ 153.266 χ^2 /NDF: 101.6/52

All: -525.148 $\pm$ 108.000 χ^2 /NDF: 147.1/107

- sign -375.636 $\pm$ 152.211 χ^2 /NDF: 43.5/54

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1442.110 $\pm$ 0.278 χ^2 /NDF: 7692523.8/28

Left Out: 708.503 $\pm$ 0.118 χ^2 /NDF: 700473.3/23

+ sign 820.111 $\pm$ 0.108 χ^2 /NDF: 14303518.9/52

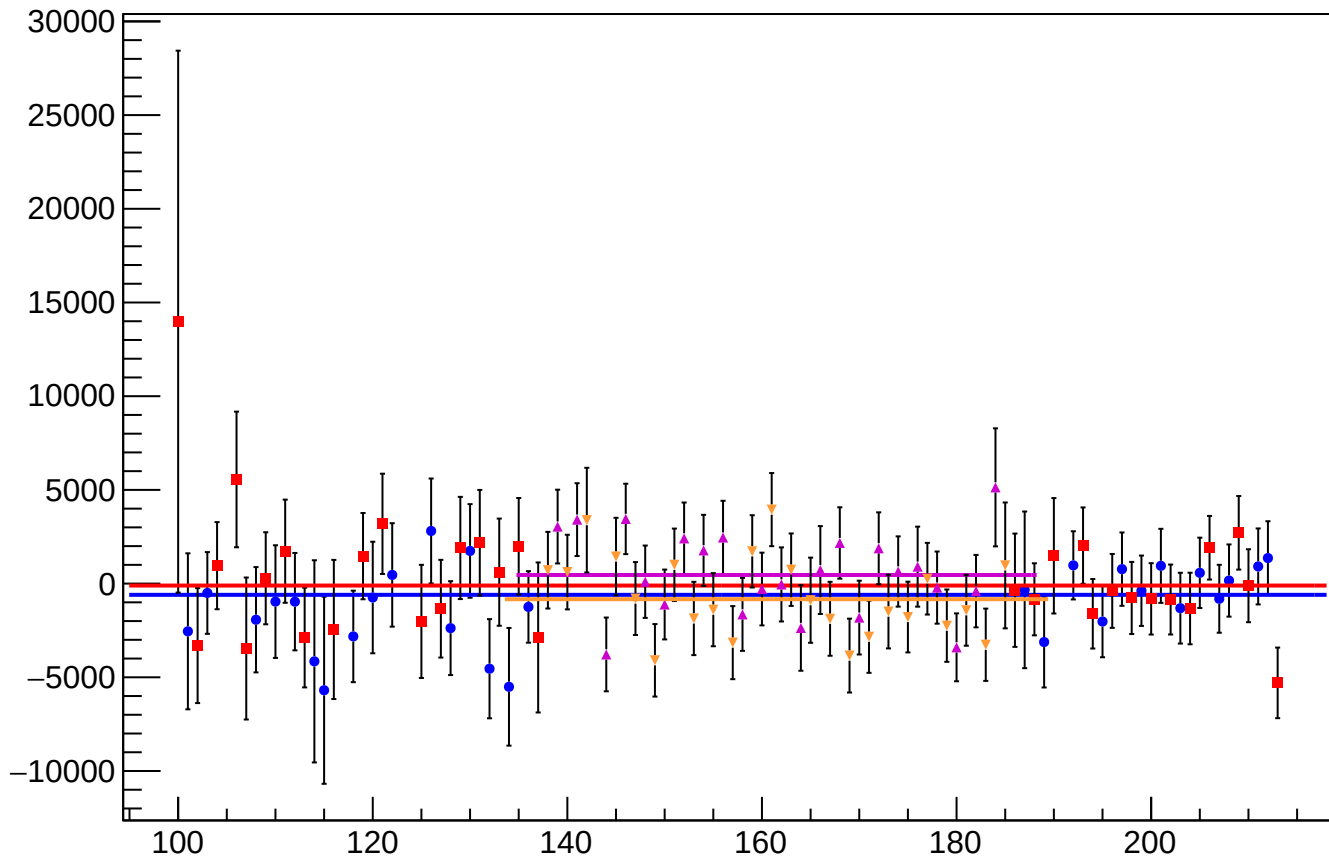
Right Out: 1264.280 $\pm$ 0.252 χ^2 /NDF: 11522615.3/31

All: 817.244 $\pm$ 0.076 χ^2 /NDF: 30218160.5/10

Left In: 714.162 $\pm$ 0.119 χ^2 /NDF: 497246.5/22

- sign 814.418 $\pm$ 0.108 χ^2 /NDF: 15913252.4/54

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -599.832 ± 432.195 χ^2/NDF : 16.3/28

Left Out: -832.476 ± 410.448 χ^2/NDF : 25.4/23

Right Out: -104.205 ± 419.986 χ^2/NDF : 26.5/31

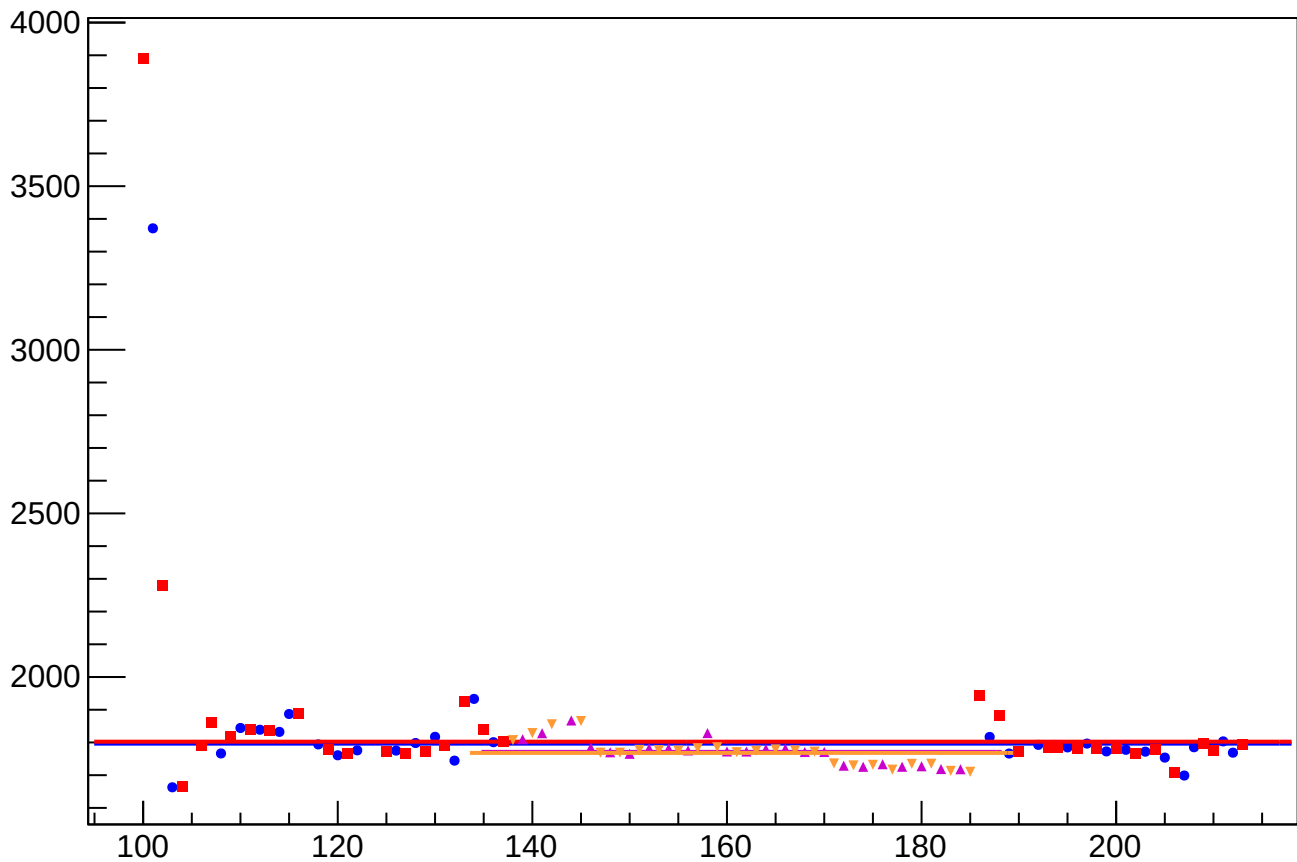
Left In: 459.554 ± 413.637 χ^2/NDF : 27.3/22

+ sign -722.154 ± 297.622 χ^2/NDF : 41.9/52

All: -265.641 ± 209.411 χ^2/NDF : 101.3/107

- sign 181.967 ± 294.705 χ^2/NDF : 54.7/54

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.413 $\pm$ 0.306 χ^2 /NDF: 309650.9/28

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1802.396 $\pm$ 0.297 χ^2 /NDF: 121926.1/31

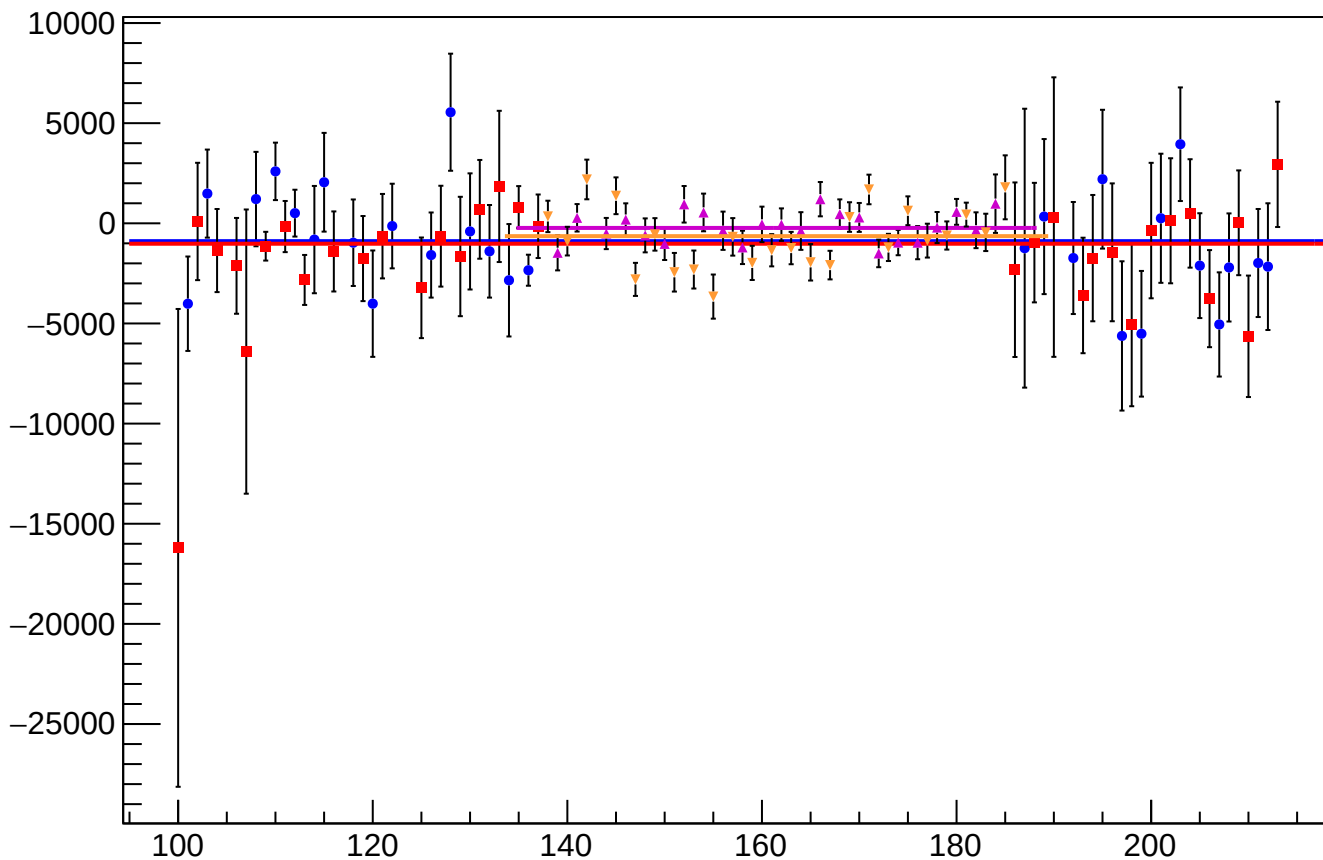
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1781.540 $\pm$ 0.210 χ^2 /NDF: 330514.0/52

All: 1784.079 $\pm$ 0.148 χ^2 /NDF: 474749.3/107

- sign 1786.569 $\pm$ 0.208 χ^2 /NDF: 143946.9/54

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -890.763 ± 393.202 χ^2/NDF : 34.2/28

Left Out: -641.004 ± 166.450 χ^2/NDF : 66.7/23

Right Out: -1019.603 ± 357.585 χ^2/NDF : 18.4/31

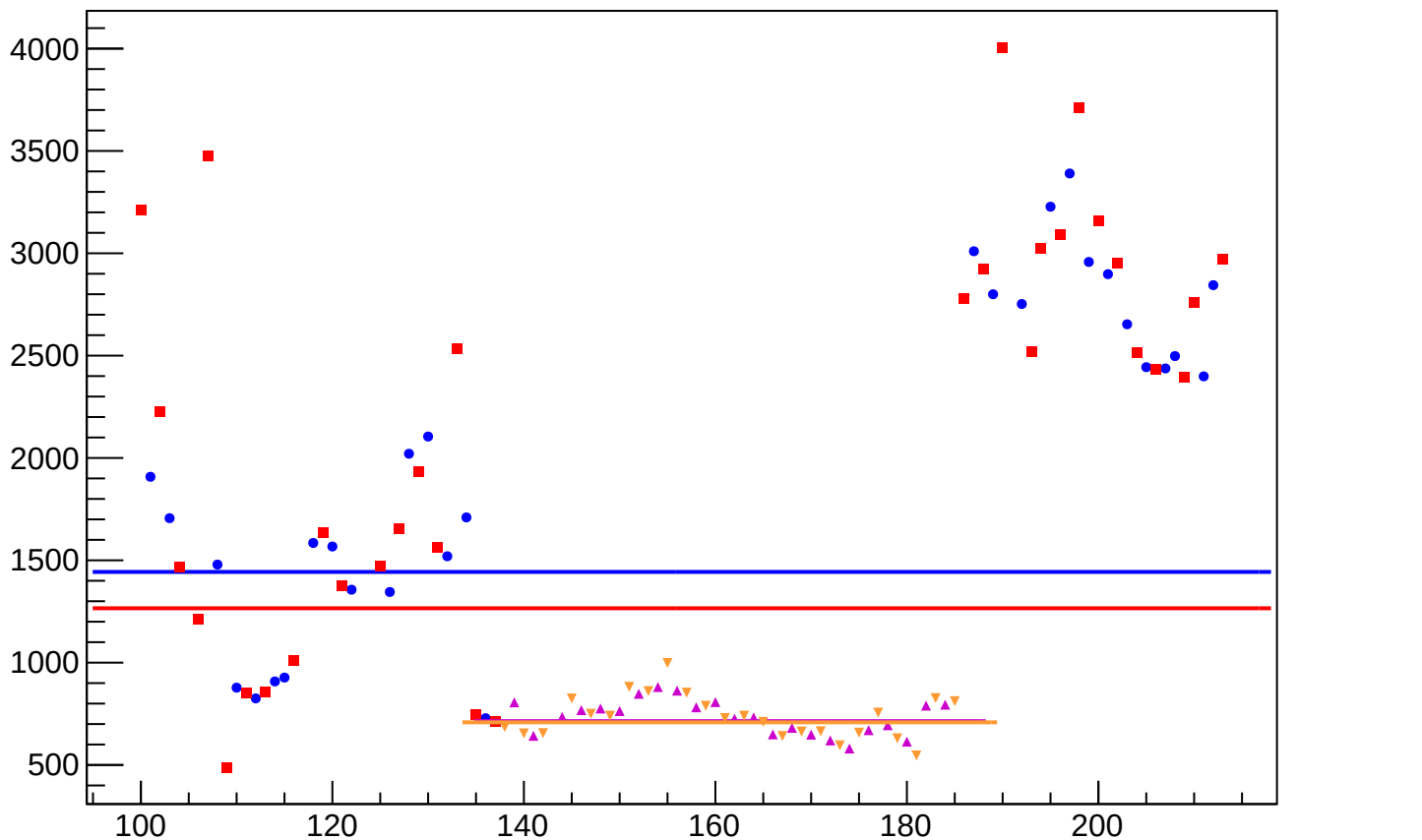
Left In: -230.572 ± 168.320 χ^2/NDF : 19.9/22

+ sign -678.959 ± 153.282 χ^2/NDF : 101.2/52

All: -525.335 ± 108.035 χ^2/NDF : 145.5/107

- sign -373.689 ± 152.292 χ^2/NDF : 42.4/54

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1443.285 $\pm$ 0.278 χ^2 /NDF: 7700498.0/28

Left Out: 708.508 $\pm$ 0.118 χ^2 /NDF: 700448.7/23

Right Out: 1265.633 $\pm$ 0.253 χ^2 /NDF: 11518923.2/31

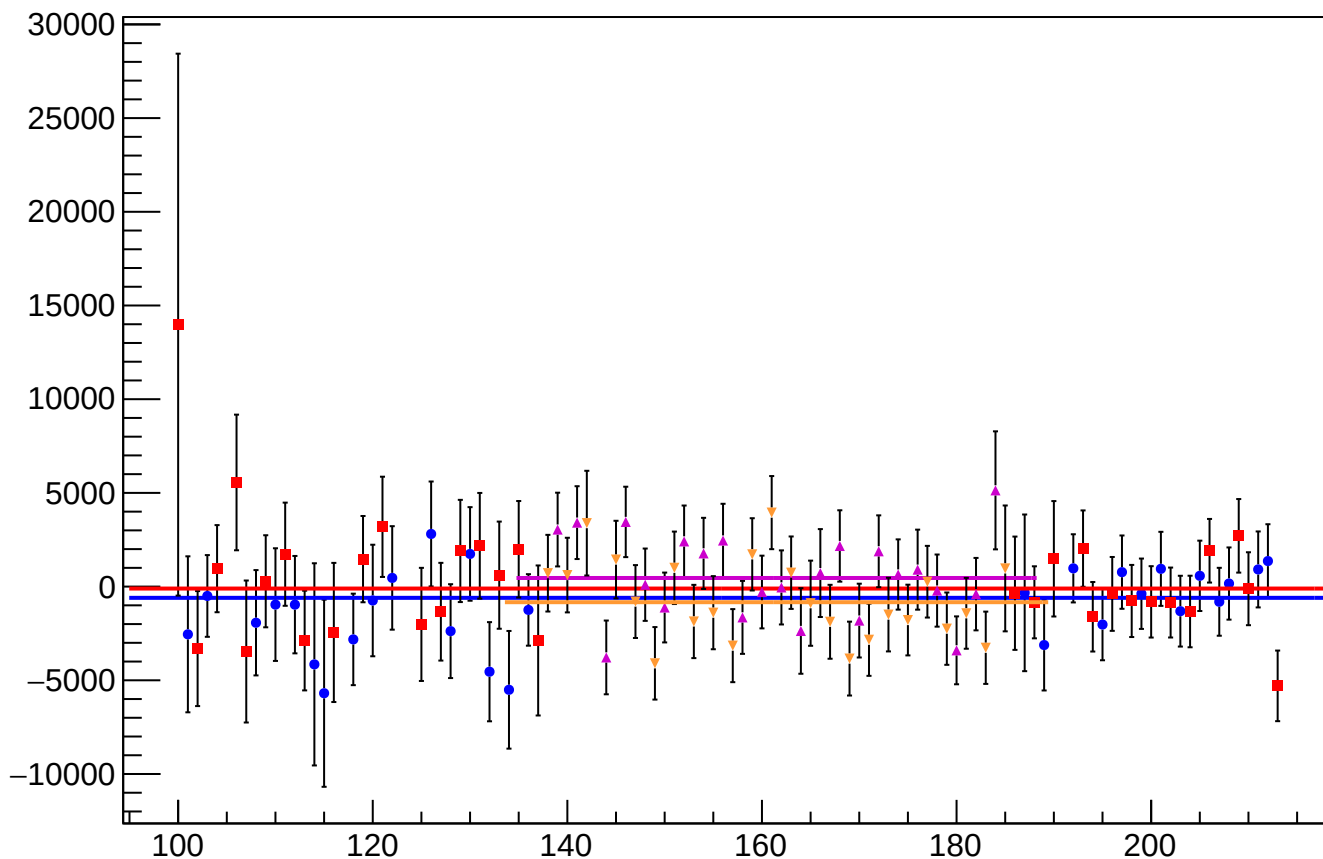
Left In: 714.168 $\pm$ 0.119 χ^2 /NDF: 497252.3/22

+ sign 820.170 $\pm$ 0.108 χ^2 /NDF: 14323656.1/52

All: 817.163 $\pm$ 0.076 χ^2 /NDF: 30235289.9/10

- sign 814.194 $\pm$ 0.108 χ^2 /NDF: 15910104.0/54

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -599.832 ± 432.195 χ^2/NDF : 16.3/28

Left Out: -832.476 ± 410.448 χ^2/NDF : 25.4/23

Right Out: -104.205 ± 419.986 χ^2/NDF : 26.5/31

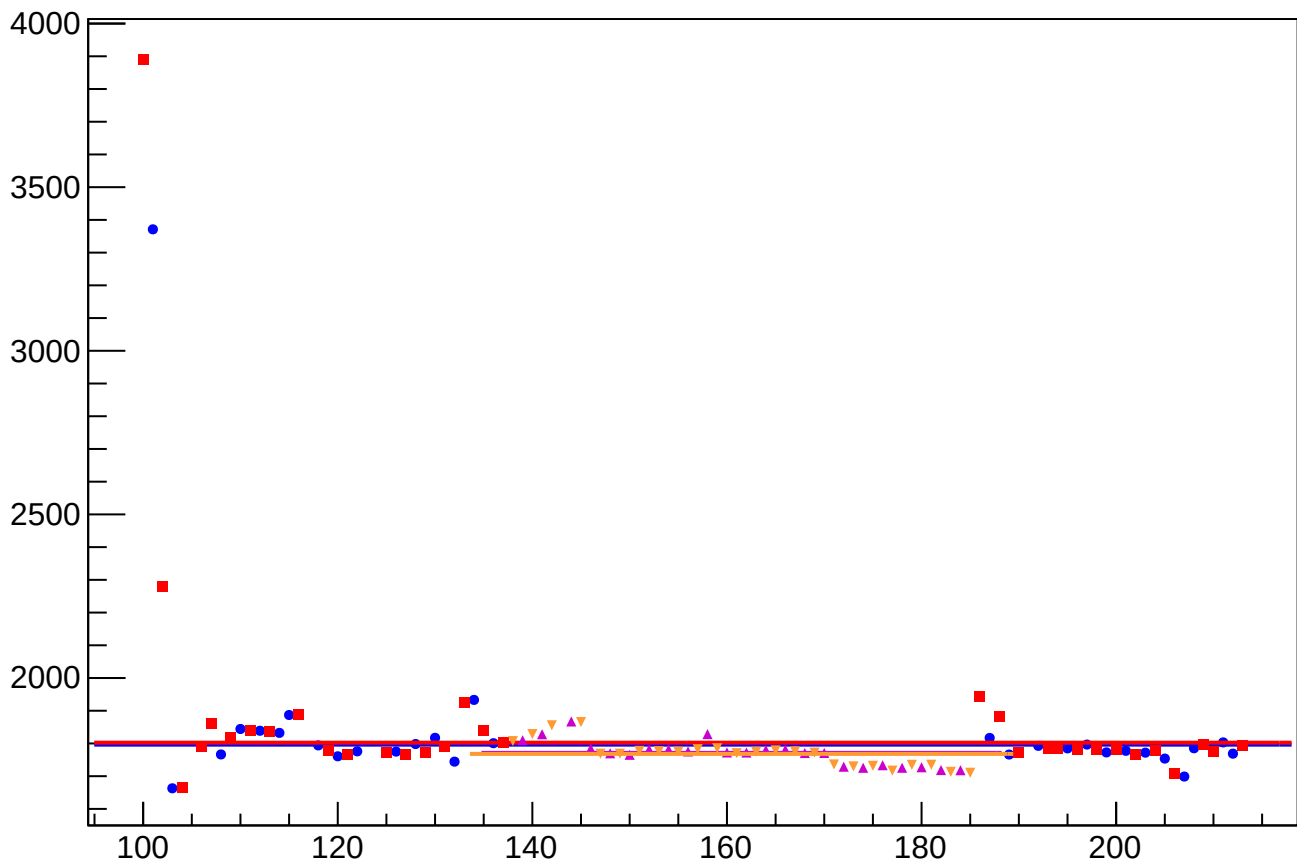
Left In: 459.554 ± 413.637 χ^2/NDF : 27.3/22

+ sign -722.154 ± 297.622 χ^2/NDF : 41.9/52

All: -265.641 ± 209.411 χ^2/NDF : 101.3/107

- sign 181.967 ± 294.705 χ^2/NDF : 54.7/54

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.413 $\pm$ 0.306 χ^2 /NDF: 309650.9/28

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1802.396 $\pm$ 0.297 χ^2 /NDF: 121926.1/31

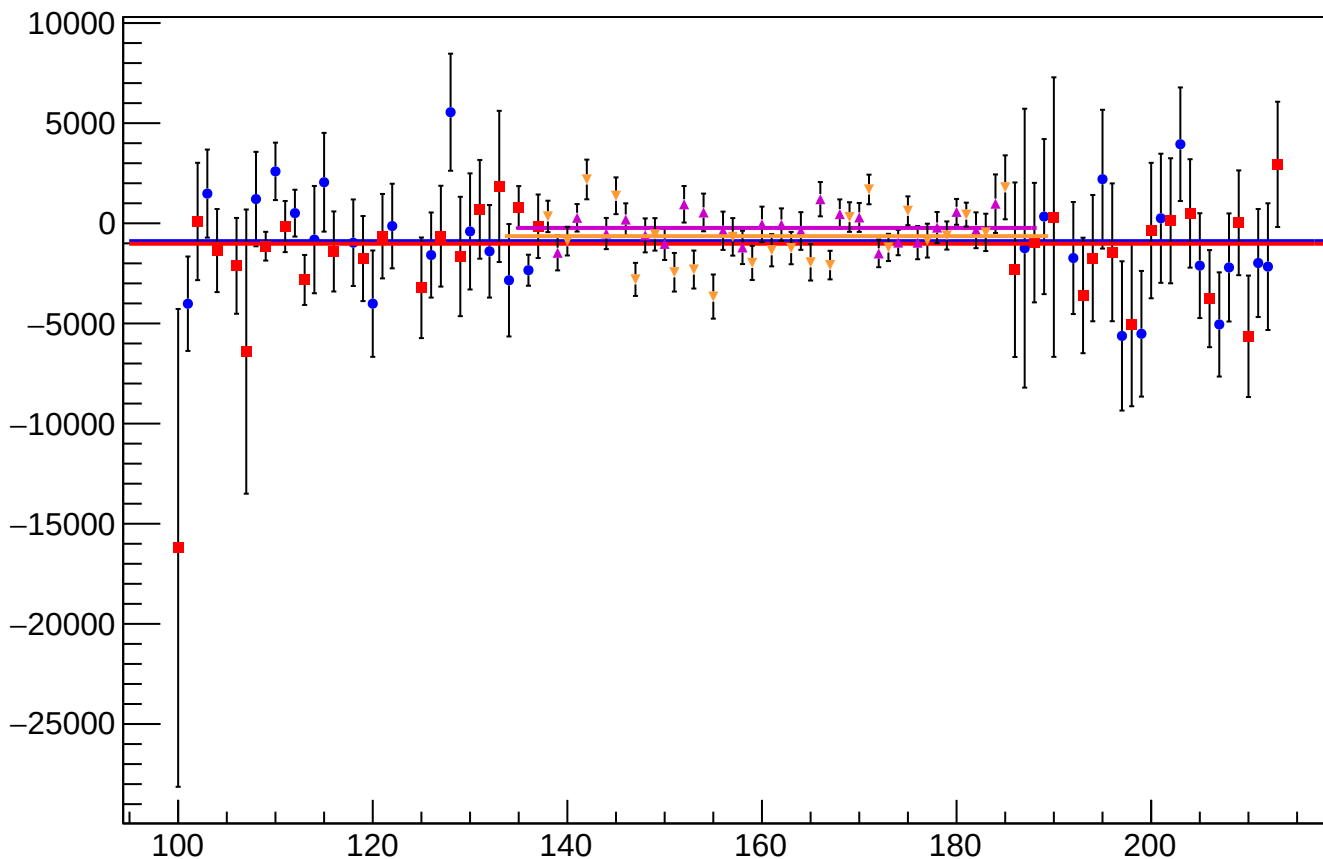
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1781.540 $\pm$ 0.210 χ^2 /NDF: 330514.0/52

All: 1784.079 $\pm$ 0.148 χ^2 /NDF: 474749.3/107

- sign 1786.569 $\pm$ 0.208 χ^2 /NDF: 143946.9/54

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -890.763 ± 393.202 χ^2/NDF : 34.2/28

Left Out: -641.004 ± 166.450 χ^2/NDF : 66.7/23

Right Out: -1019.603 ± 357.585 χ^2/NDF : 18.4/31

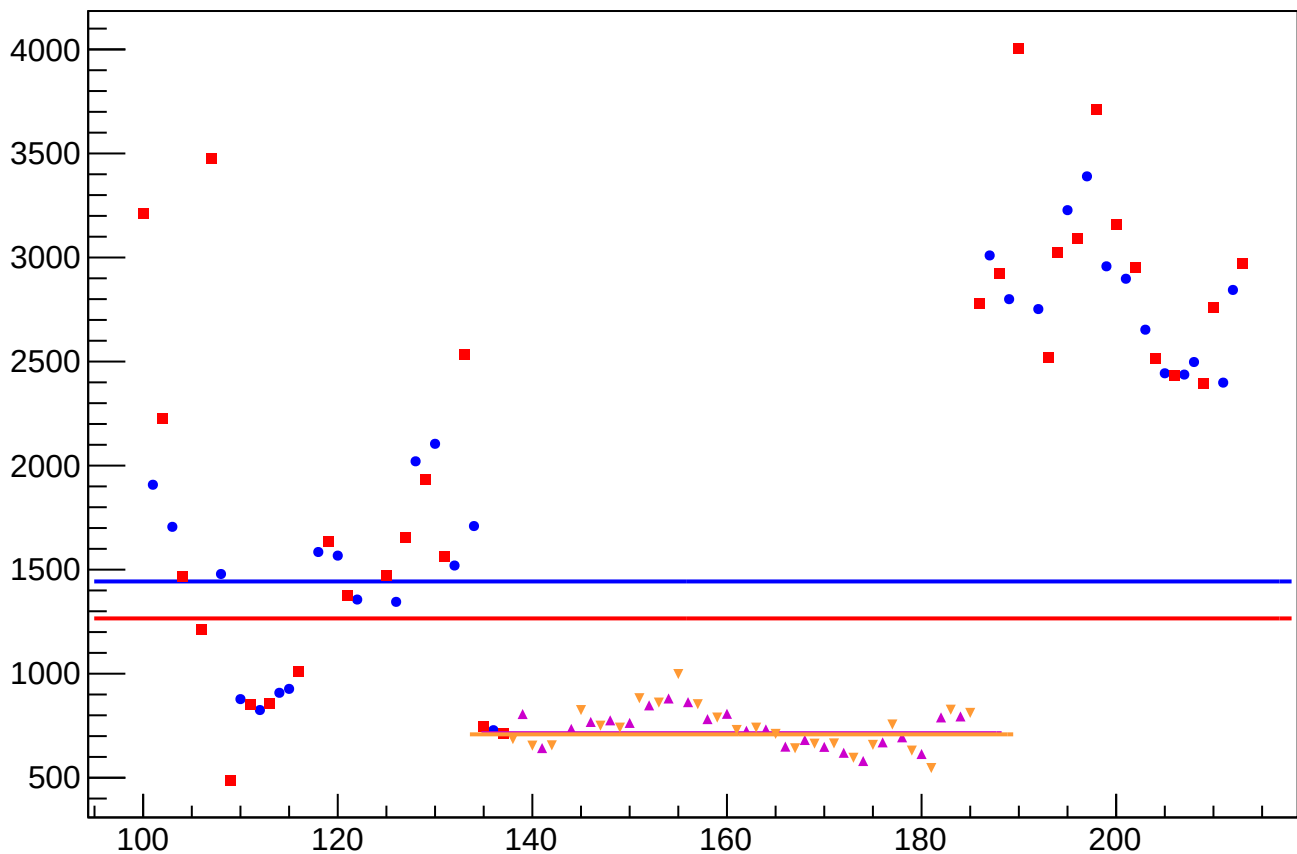
Left In: -230.572 ± 168.320 χ^2/NDF : 19.9/22

+ sign -678.959 ± 153.282 χ^2/NDF : 101.2/52

All: -525.335 ± 108.035 χ^2/NDF : 145.5/107

- sign -373.689 ± 152.292 χ^2/NDF : 42.4/54

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1443.285 $\pm$ 0.278 χ^2 /NDF: 7700498.0/28

Left Out: 708.508 $\pm$ 0.118 χ^2 /NDF: 700448.7/23

Right Out: 1265.633 $\pm$ 0.253 χ^2 /NDF: 11518923.2/31

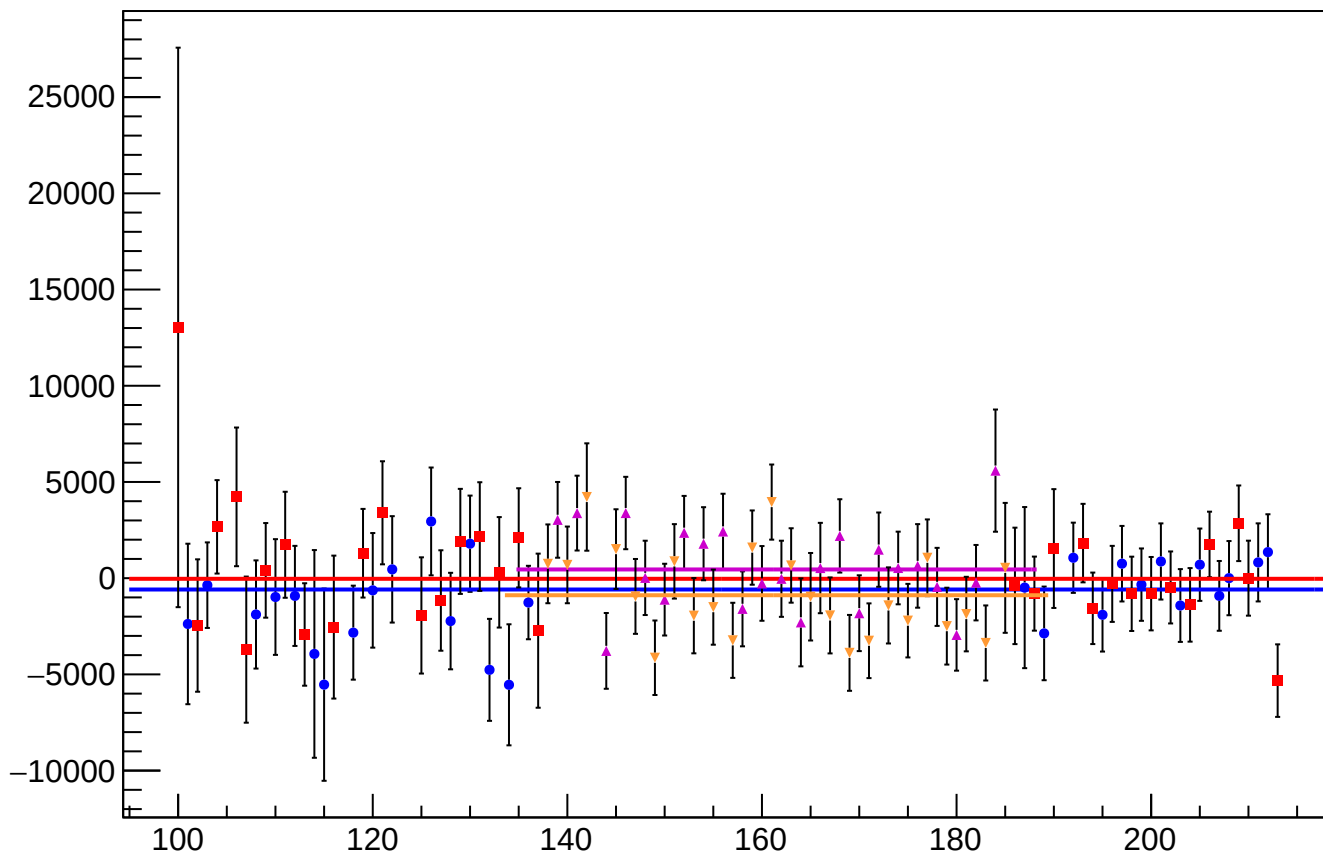
Left In: 714.168 $\pm$ 0.119 χ^2 /NDF: 497252.3/22

+ sign 820.170 $\pm$ 0.108 χ^2 /NDF: 14323656.1/52

All: 817.163 $\pm$ 0.076 χ^2 /NDF: 30235289.9/10

- sign 814.194 $\pm$ 0.108 χ^2 /NDF: 15910104.0/54

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -588.767 ± 433.152 $\chi^2/\text{NDF}: 16.3/28$

Left Out: -886.354 ± 413.227 $\chi^2/\text{NDF}: 28.1/23$

Right Out: -32.725 ± 421.978 $\chi^2/\text{NDF}: 25.8/31$

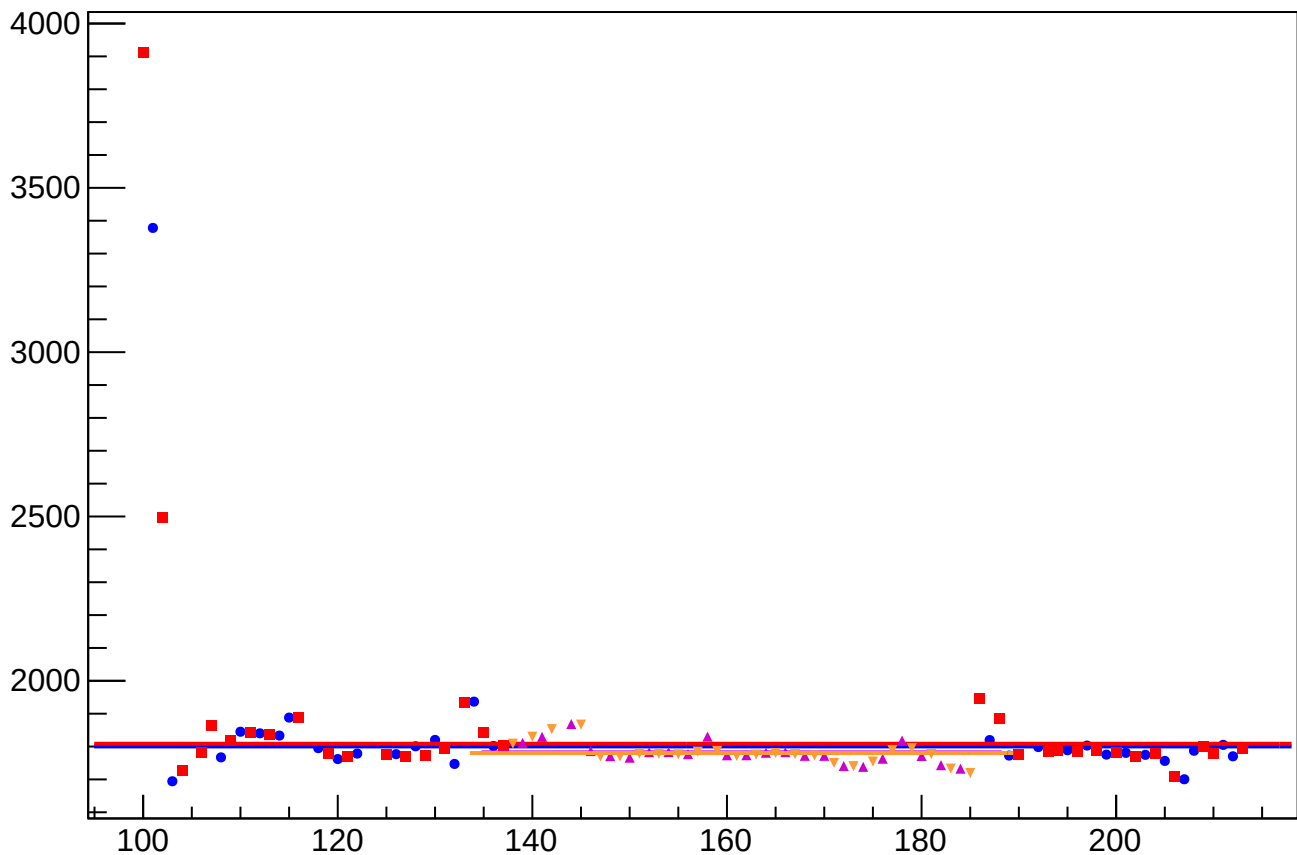
Left In: 453.237 ± 416.200 $\chi^2/\text{NDF}: 25.8/22$

+ sign -744.562 ± 298.991 $\chi^2/\text{NDF}: 44.6/52$

All: -261.178 ± 210.468 $\chi^2/\text{NDF}: 102.1/107$

- sign 213.606 ± 296.320 $\chi^2/\text{NDF}: 52.2/54$

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1800.416 $\pm$ 0.306 χ^2 /NDF: 307011.7/28

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF: 10380.2/23

Right Out: 1808.486 $\pm$ 0.298 χ^2 /NDF: 149787.3/31

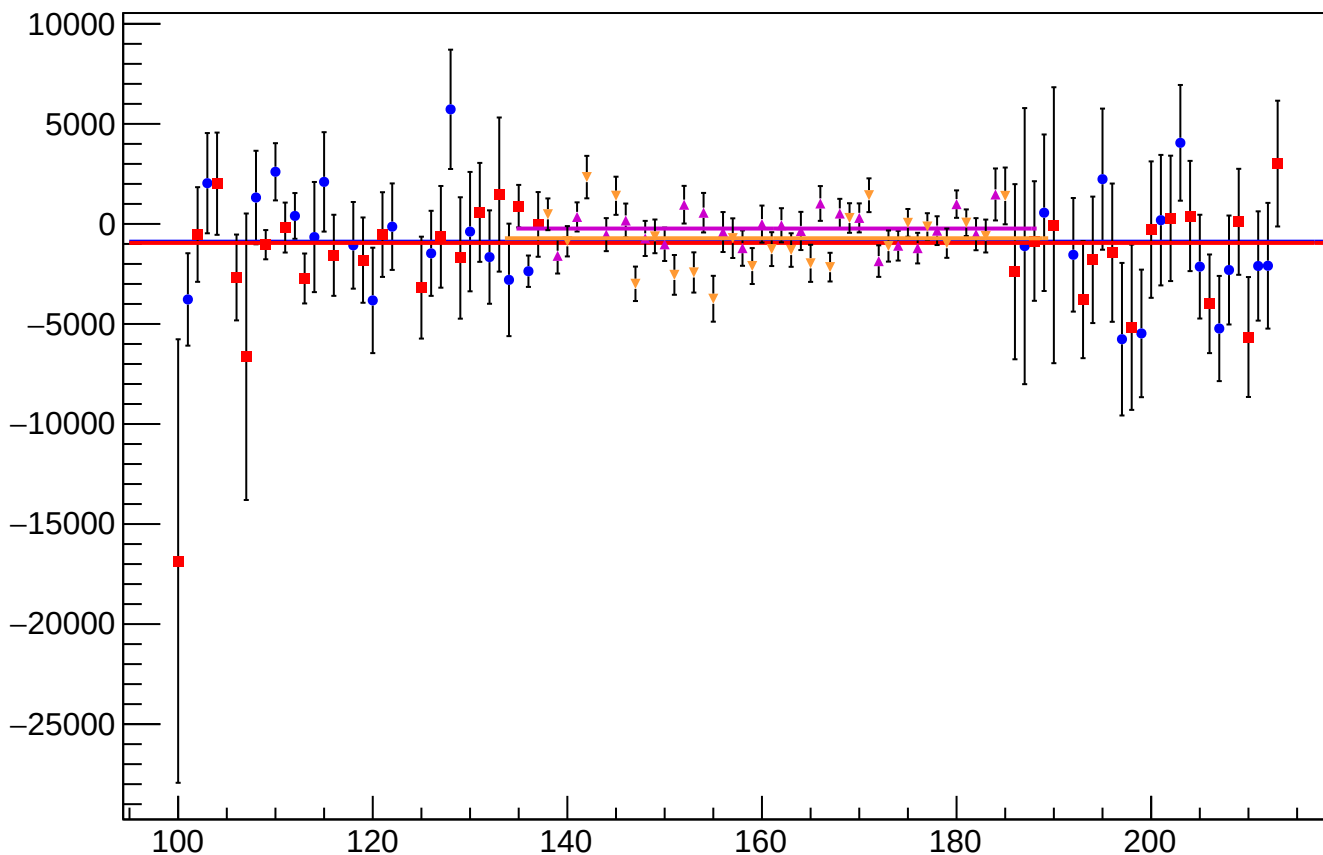
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF: 11232.1/22

+ sign 1789.843 $\pm$ 0.211 χ^2 /NDF: 319668.0/52

All: 1792.551 $\pm$ 0.149 χ^2 /NDF: 484917.2/107

- sign 1795.212 $\pm$ 0.210 χ^2 /NDF: 164923.9/54

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -887.047 $\pm$ 396.378 χ^2 /NDF: 34.3/28

Left Out: -716.600 $\pm$ 170.602 χ^2 /NDF: 59.4/23

Right Out: -948.424 $\pm$ 359.846 χ^2 /NDF: 20.7/31

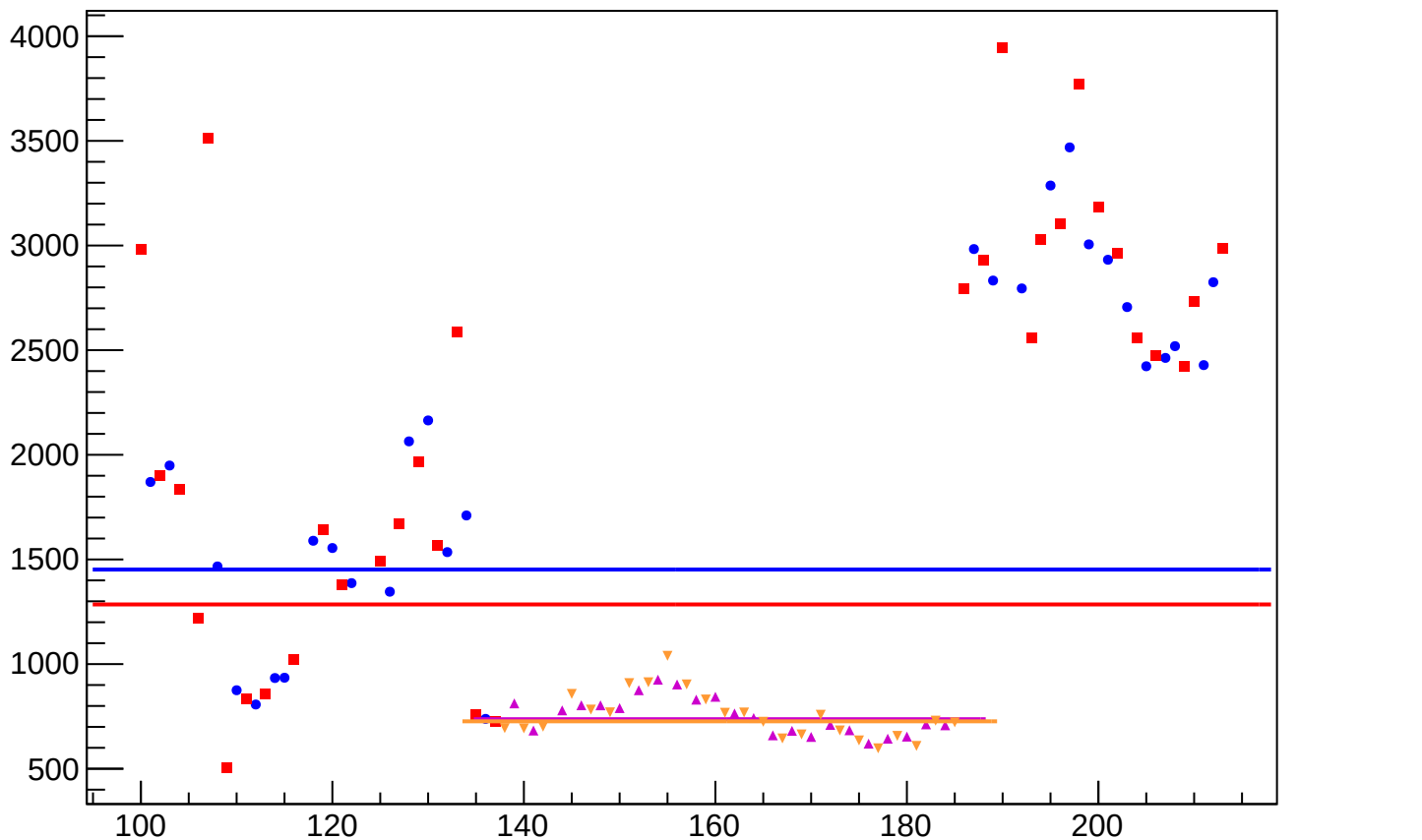
Left In: -231.320 $\pm$ 173.436 χ^2 /NDF: 24.1/22

+ sign -743.239 $\pm$ 156.704 χ^2 /NDF: 93.8/52

All: -554.305 $\pm$ 110.641 χ^2 /NDF: 144.7/107

- sign -366.499 $\pm$ 156.236 χ^2 /NDF: 48.0/54

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1451.778 $\pm$ 0.280 χ^2/NDF : 7834158.9/28

Left Out: 726.604 $\pm$ 0.121 χ^2/NDF : 684784.1/23

Right Out: 1285.015 $\pm$ 0.254 χ^2/NDF : 11403850.5/31

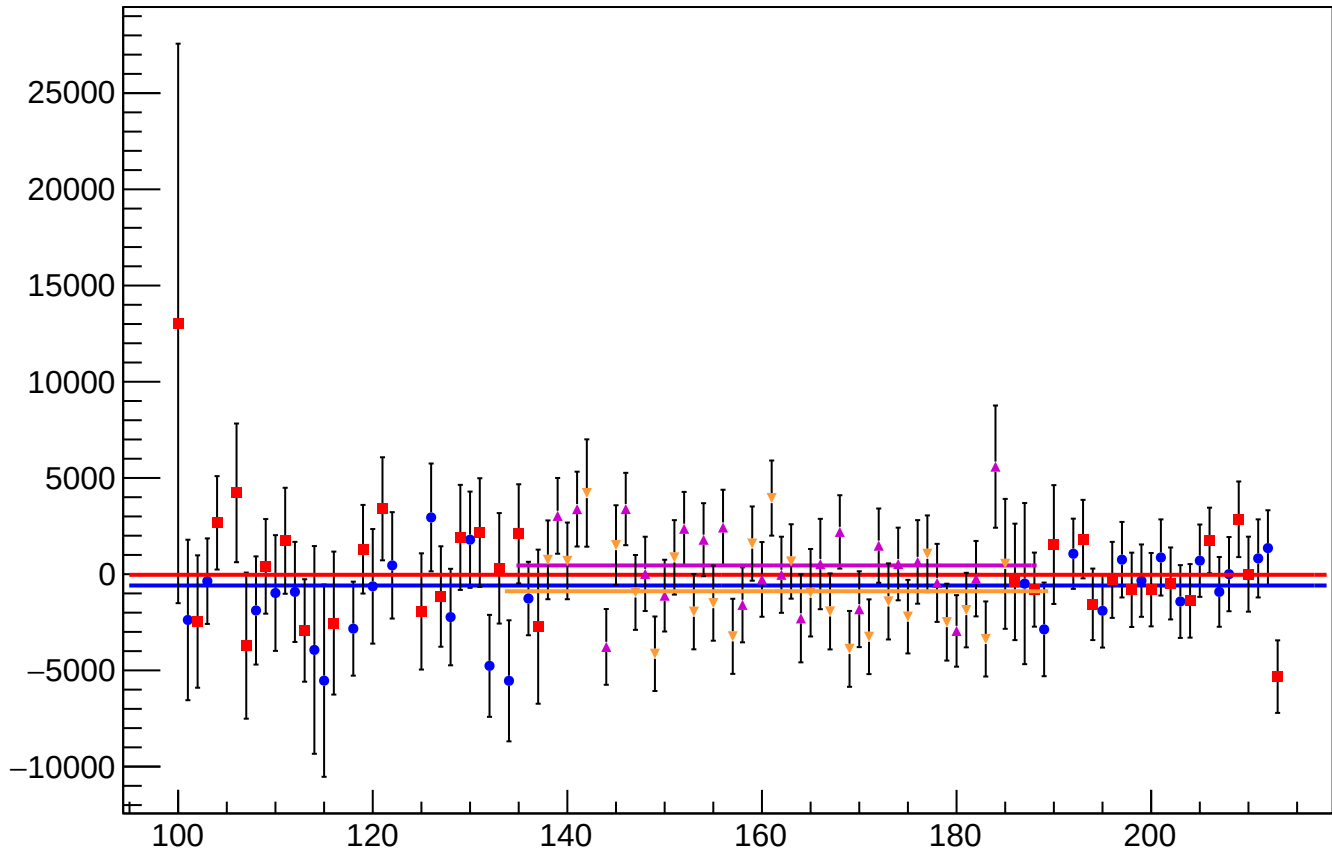
Left In: 736.709 $\pm$ 0.123 χ^2/NDF : 465041.6/22

+ sign 839.944 $\pm$ 0.111 χ^2/NDF : 14166812.3/52

All: 840.007 $\pm$ 0.078 χ^2/NDF : 29803839.5/10

- sign 840.069 $\pm$ 0.110 χ^2/NDF : 15637026.5/54

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -588.767 ± 433.152 χ^2/NDF : 16.3/28

Left Out: -886.352 ± 413.227 χ^2/NDF : 28.1/23

Right Out: -32.724 ± 421.978 χ^2/NDF : 25.8/31

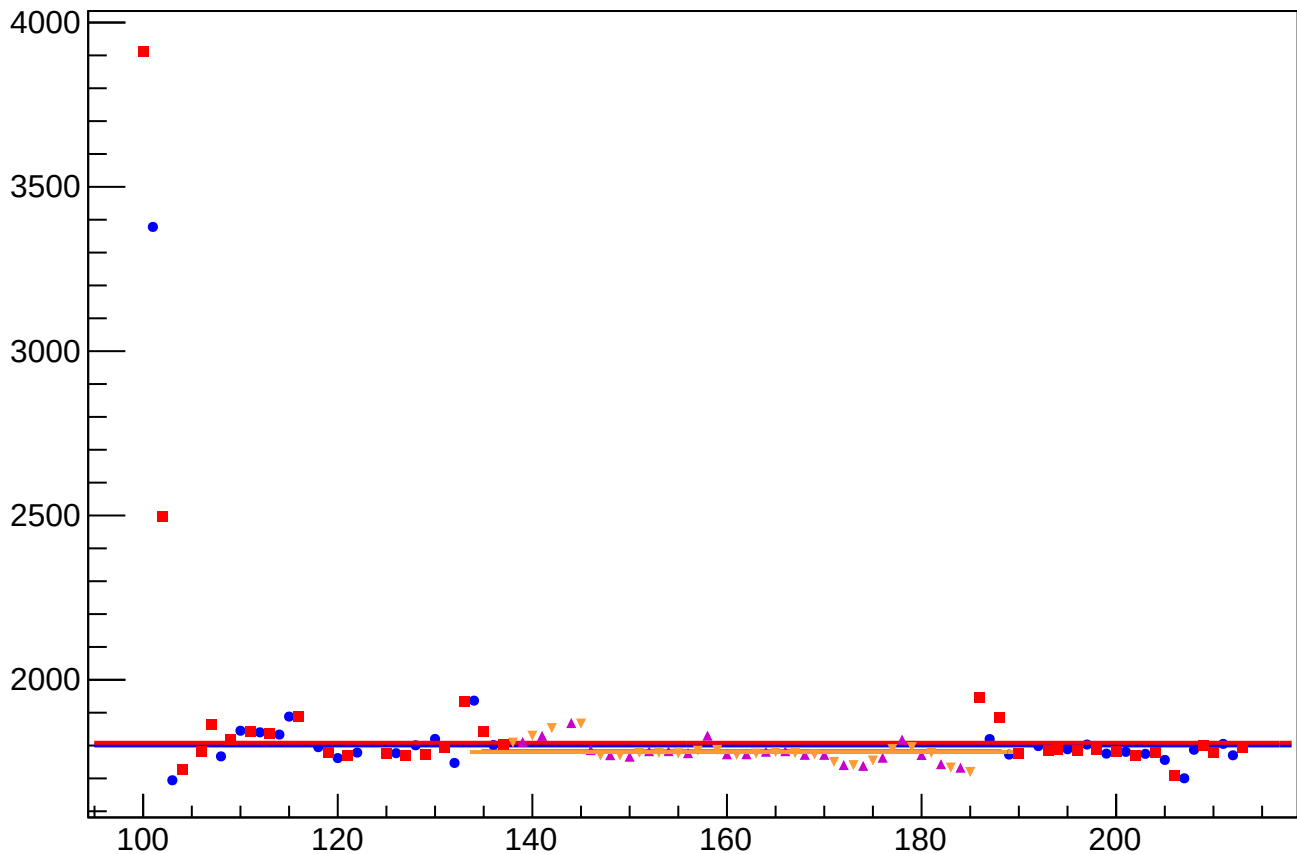
Left In: 453.236 ± 416.200 χ^2/NDF : 25.8/22

+ sign -744.561 ± 298.991 χ^2/NDF : 44.6/52

All: -261.178 ± 210.468 χ^2/NDF : 102.1/107

- sign 213.606 ± 296.320 χ^2/NDF : 52.2/54

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1800.416 $\pm$ 0.306 χ^2 /NDF: 307011.7/28

Left Out: 1780.220 $\pm$ 0.292 χ^2 /NDF:10380.2/23

Right Out: 1808.486 $\pm$ 0.298 χ^2 /NDF: 149787.3/31

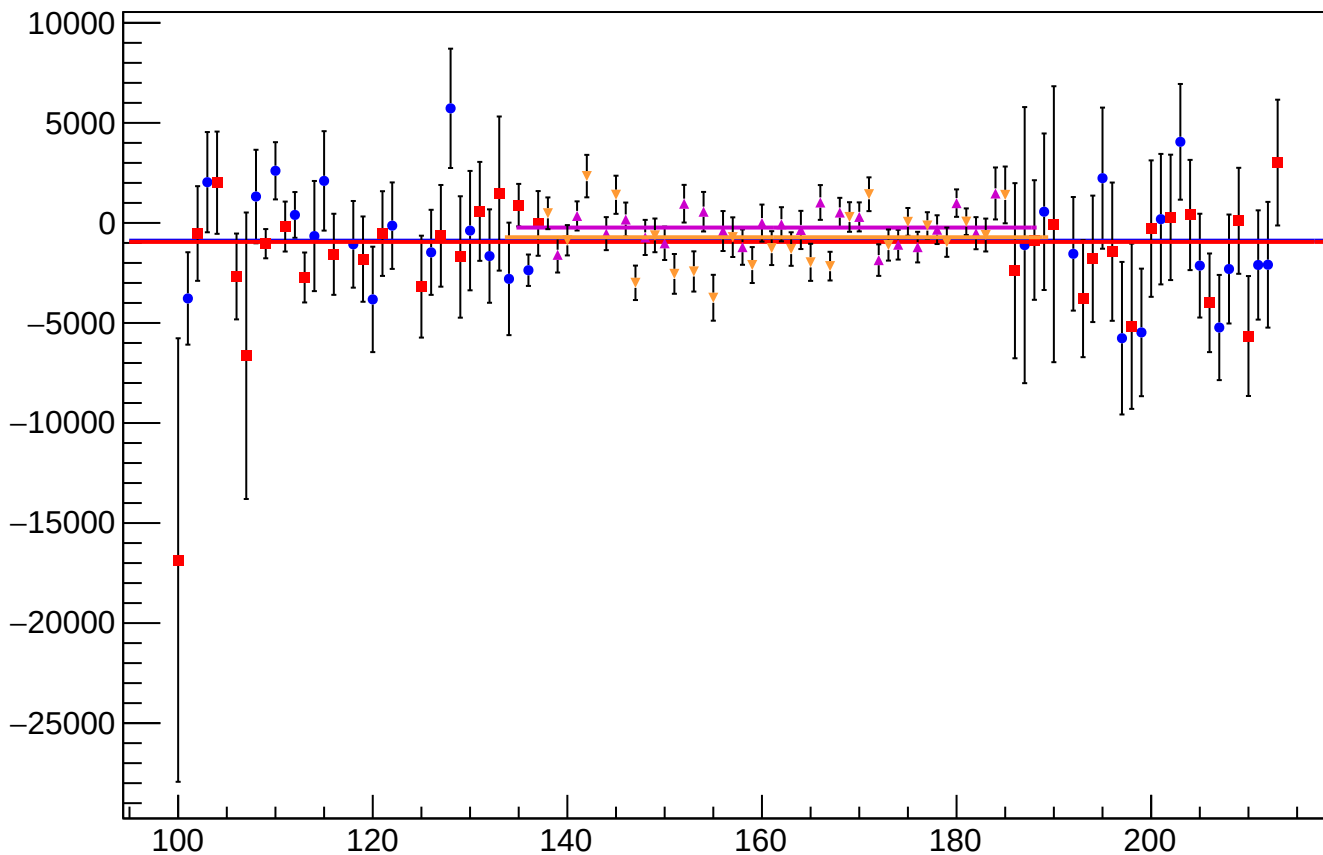
Left In: 1782.298 $\pm$ 0.294 χ^2 /NDF:11232.1/22

+ sign 1789.843 $\pm$ 0.211 χ^2 /NDF: 319668.1/52

All: 1792.551 $\pm$ 0.149 χ^2 /NDF: 484917.4/107

- sign 1795.212 $\pm$ 0.210 χ^2 /NDF: 164924.0/54

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -887.036+/-396.379 χ^2/NDF : 34.3/28

Left Out: -716.601+/-170.602 χ^2/NDF : 59.4/23

Right Out: -948.430+/-359.846 χ^2/NDF : 20.7/31

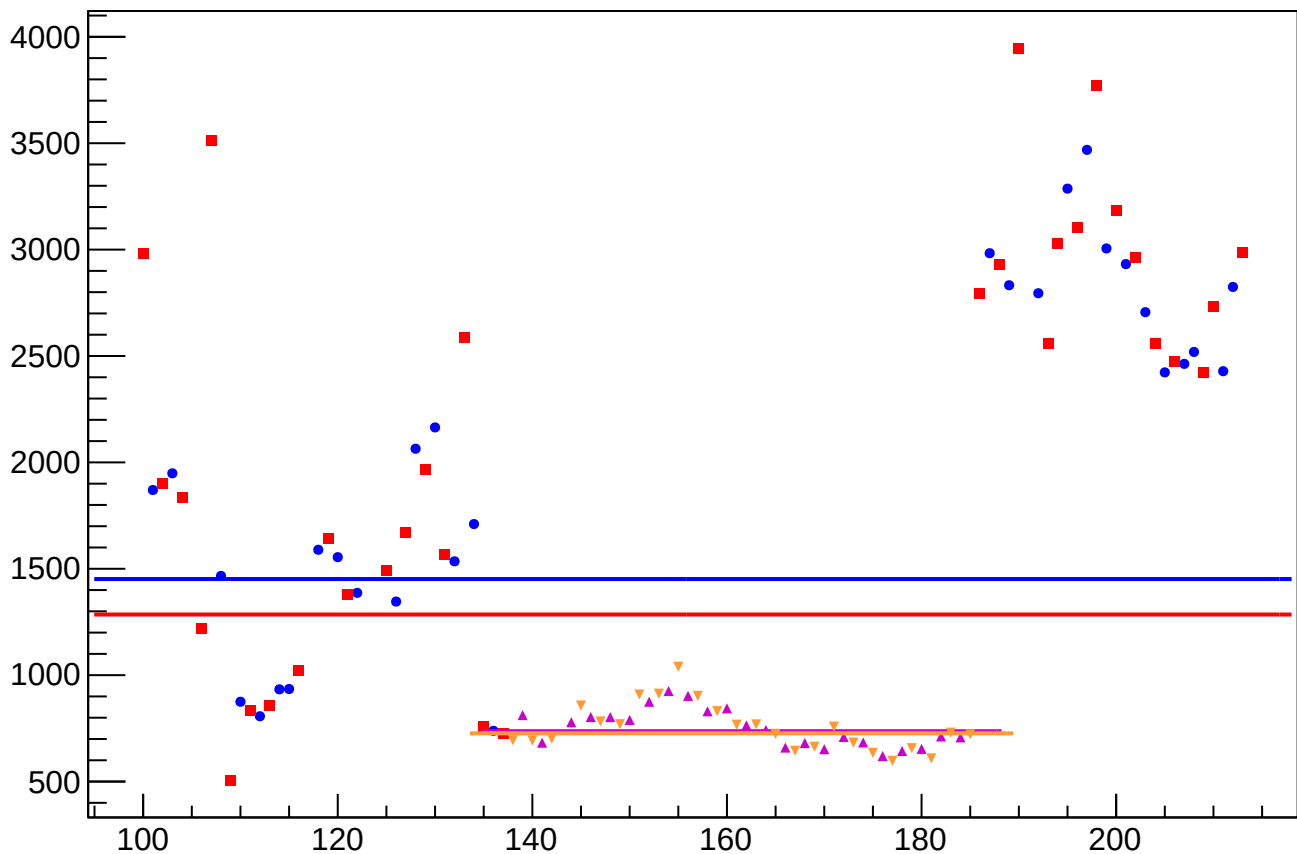
Left In: -231.318+/-173.435 χ^2/NDF : 24.1/22

+ sign -743.239+/-156.704 χ^2/NDF : 93.8/52

All: -554.304+/-110.641 χ^2/NDF : 144.7/107

- sign -366.498+/-156.236 χ^2/NDF : 48.0/54

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1451.780 $\pm$ 0.280 χ^2/NDF : 7834104.9/28

Left Out: 726.605 $\pm$ 0.121 χ^2/NDF : 684780.2/23

Right Out: 1285.017 $\pm$ 0.254 χ^2/NDF : 11403808.8/31

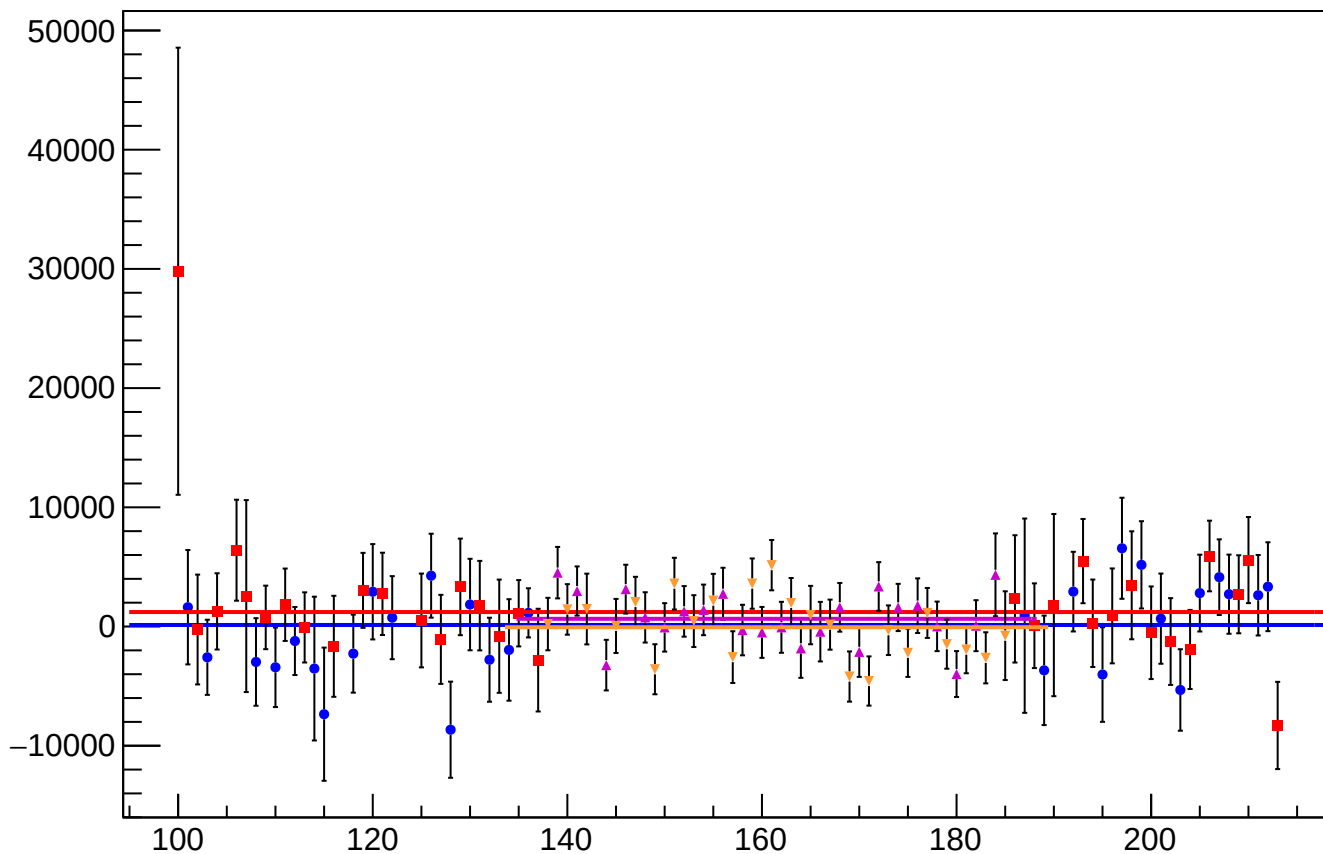
Left In: 736.709 $\pm$ 0.123 χ^2/NDF : 465053.4/22

+ sign 839.945 $\pm$ 0.111 χ^2/NDF : 14166785.5/52

All: 840.007 $\pm$ 0.078 χ^2/NDF : 29803820.2/10

- sign 840.069 $\pm$ 0.110 χ^2/NDF : 15637034.1/54

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 129.677 ± 665.626 χ^2/NDF : 27.1/28

Left Out: -59.589 ± 445.601 χ^2/NDF : 33.0/23

Right Out: 1214.874 ± 658.138 χ^2/NDF : 21.4/31

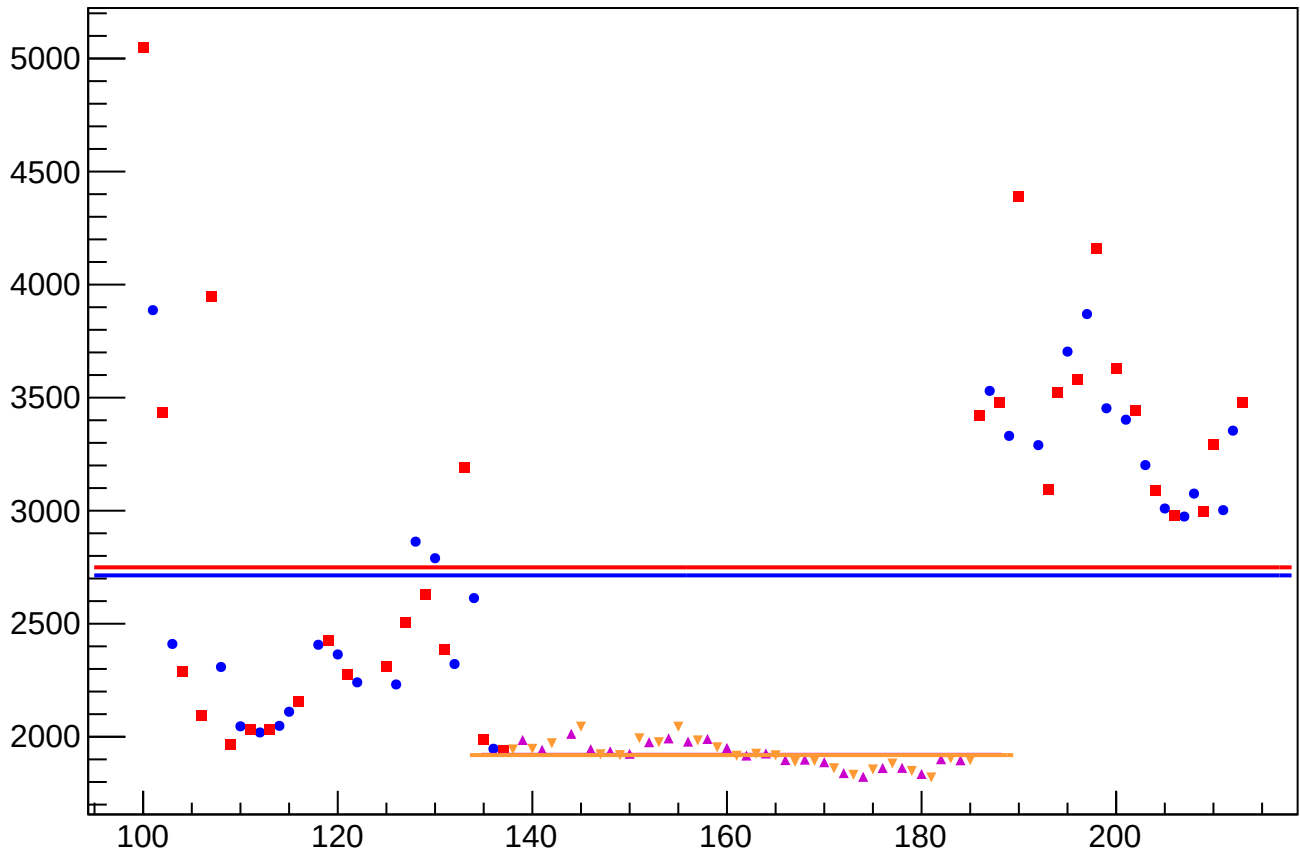
Left In: 646.910 ± 448.538 χ^2/NDF : 23.7/22

+ sign -1.017 ± 370.287 χ^2/NDF : 60.1/52

All: 412.614 ± 261.959 χ^2/NDF : 108.2/107

- sign 827.047 ± 370.645 χ^2/NDF : 45.6/54

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2713.834+/-0.471 χ^2/NDF : 1527067.8/28

Left Out: 1918.975+/-0.315 χ^2/NDF : 35574.5/23

Right Out: 2749.454+/-0.465 χ^2/NDF : 1943340.0/31

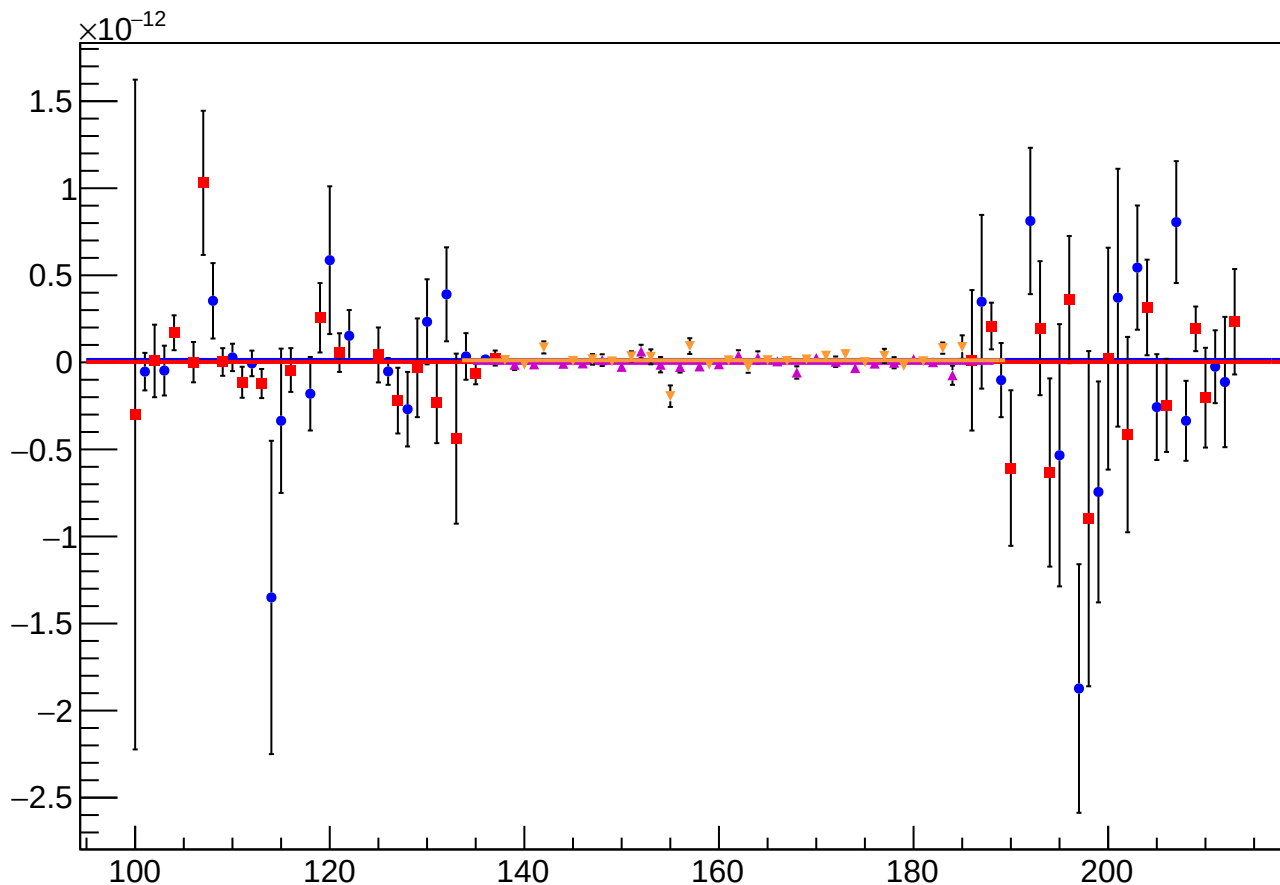
Left In: 1920.214+/-0.317 χ^2/NDF : 29912.0/22

+ sign 2164.959+/-0.262 χ^2/NDF : 3532044.3/52

All: 2174.081+/-0.185 χ^2/NDF : 7675813.2/10

- sign 2183.220+/-0.262 χ^2/NDF : 4141339.3/54

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/31

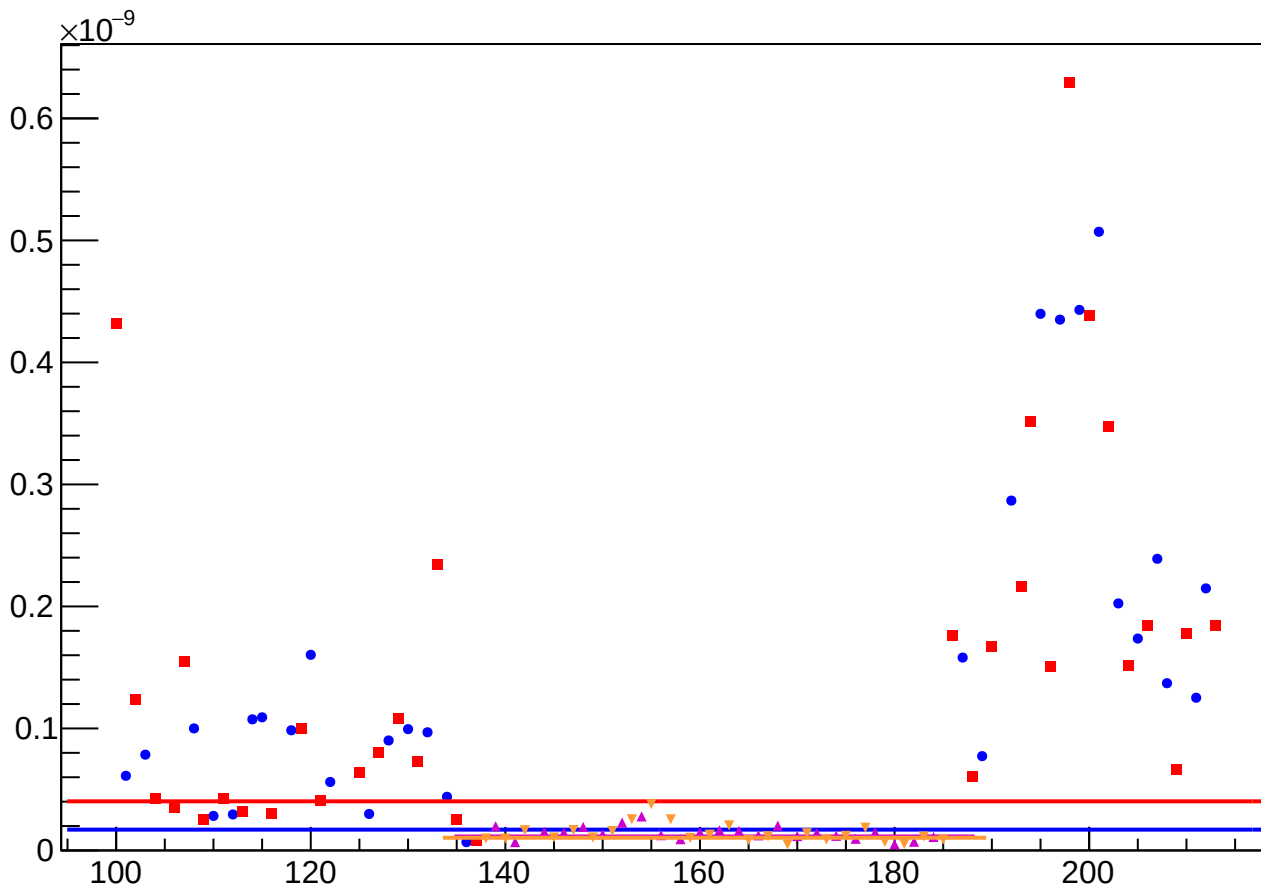
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.2/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 135.3/107

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 53.1/54

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11295244.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8412981.1/31

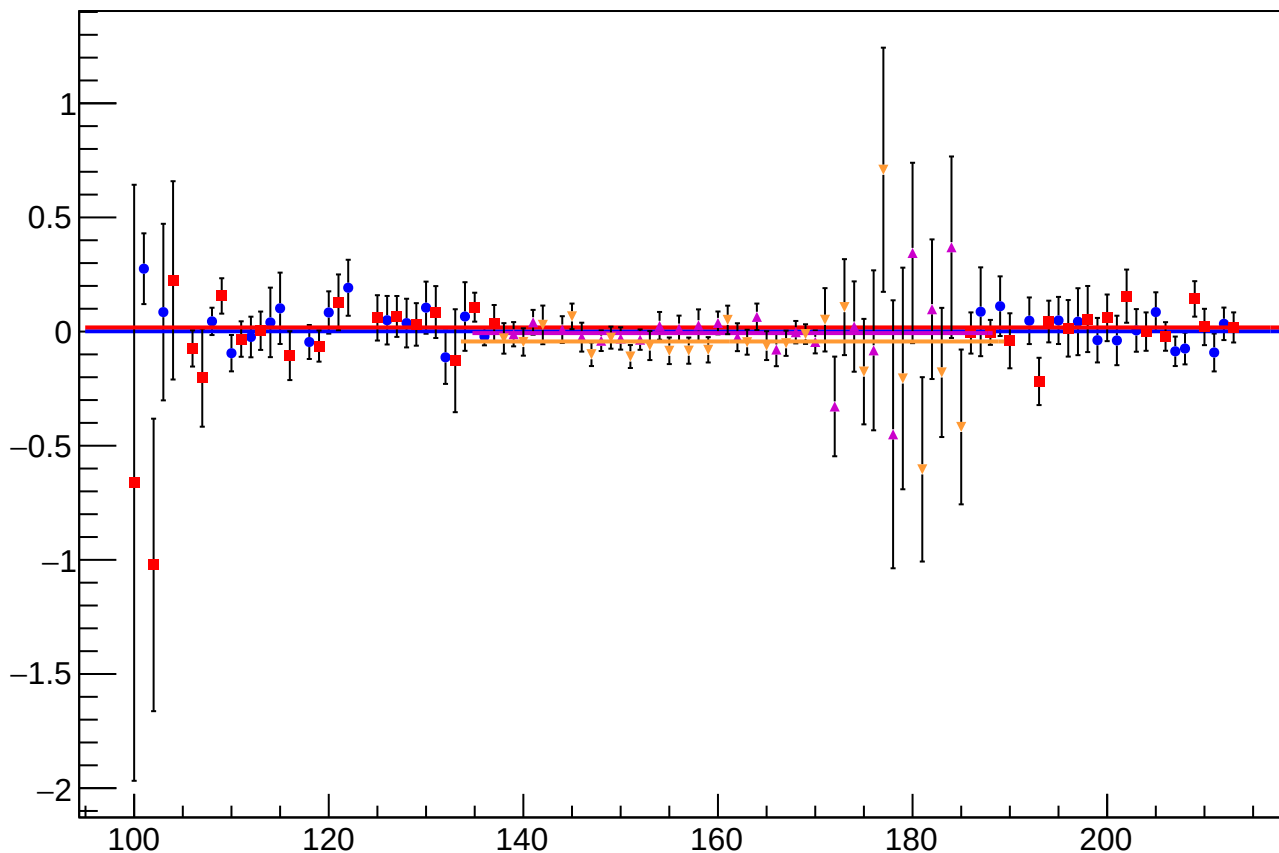
Left In: 0.000+/-0.000 χ^2/NDF : 1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 13783809.7/52

All: 0.000+/-0.000 χ^2/NDF : 27267515.3/107

- sign 0.000+/-0.000 χ^2/NDF : 13352635.0/54

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 19.1/28

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.016 χ^2/NDF : 26.4/31

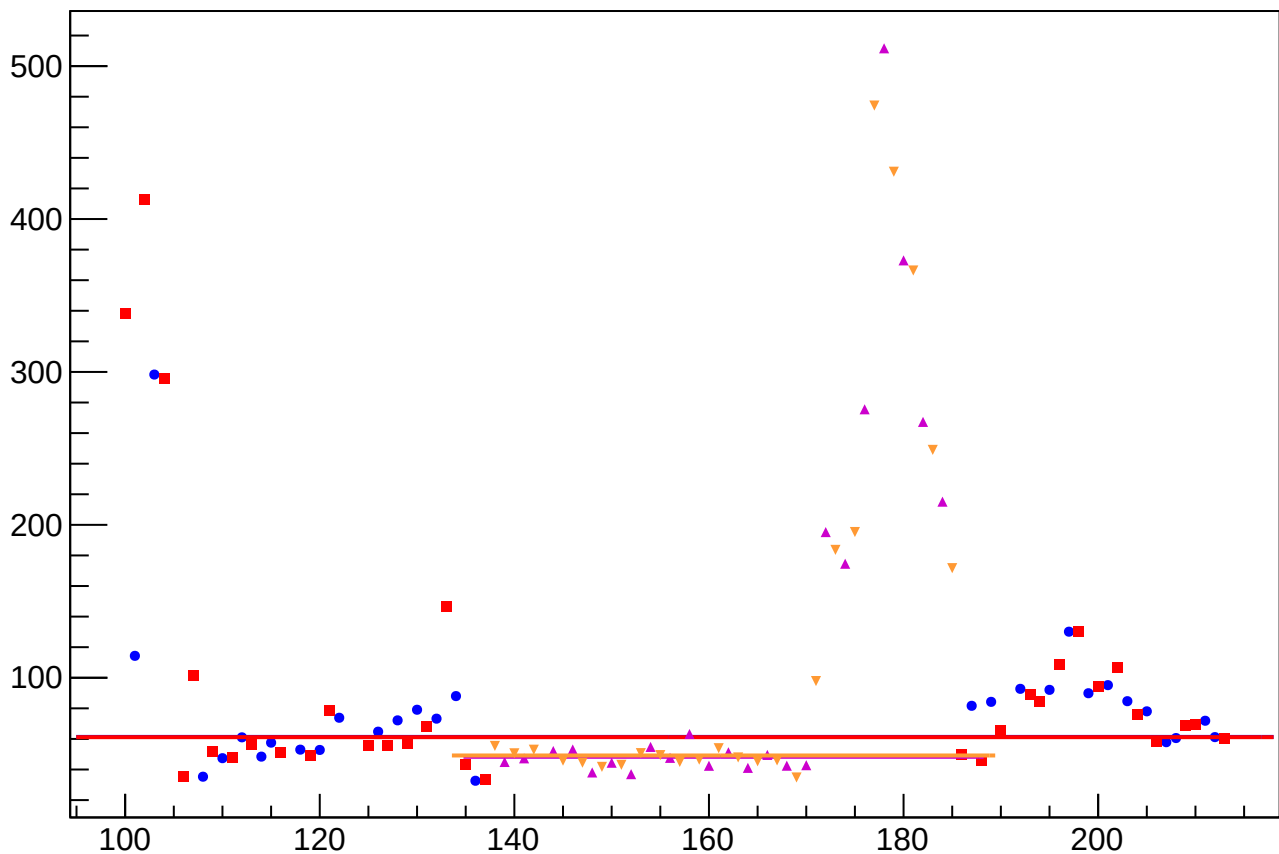
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 42.2/52

All: -0.010 ± 0.007 χ^2/NDF : 84.9/107

- sign 0.004 ± 0.010 χ^2/NDF : 39.1/54

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.319 $\pm$ 0.012 χ^2 /NDF: 4239223.5/28

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250092.4/23

Right Out: 61.153 $\pm$ 0.011 χ^2 /NDF: 4318413.0/31

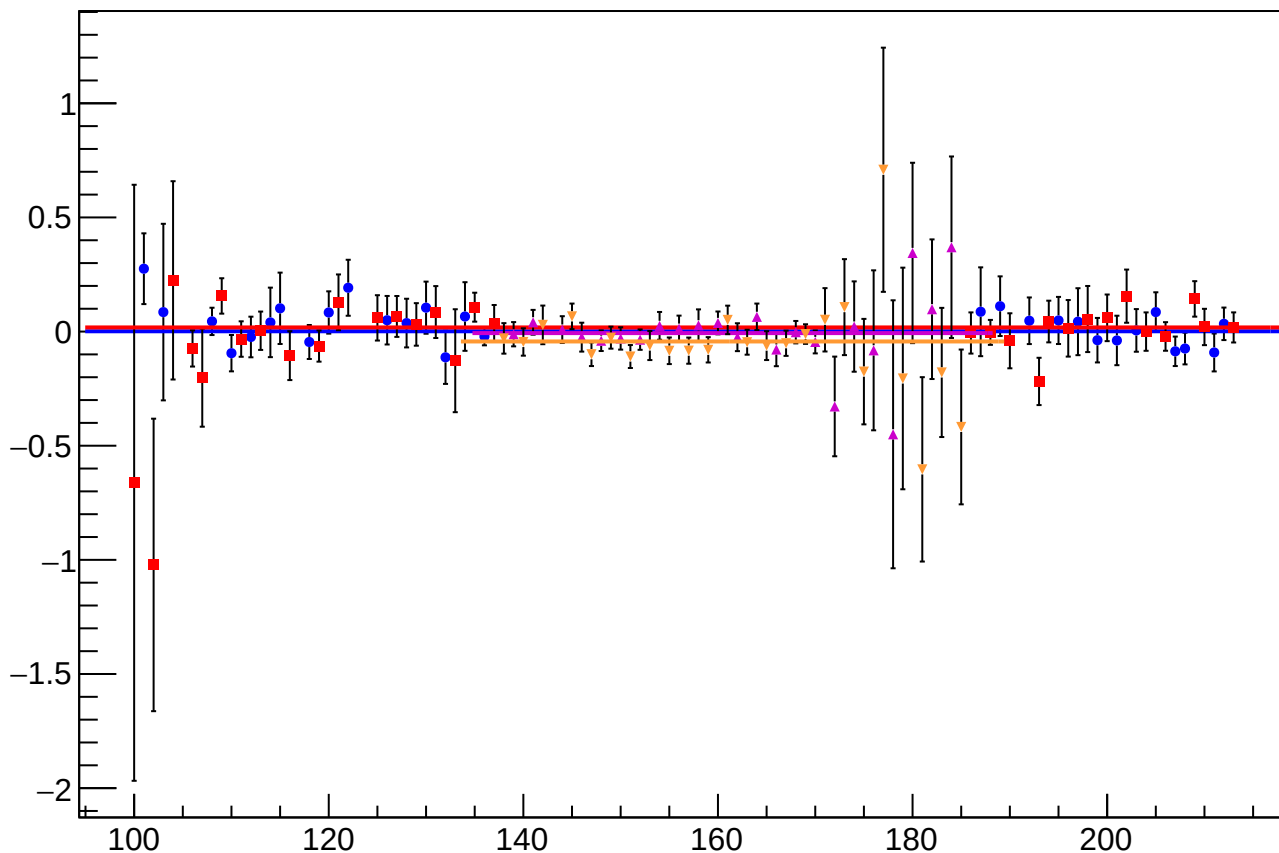
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040663.5/22

+ sign 54.195 $\pm$ 0.008 χ^2 /NDF: 12118938.9/52

All: 53.894 $\pm$ 0.005 χ^2 /NDF: 24226282.0/107

- sign 53.610 $\pm$ 0.007 χ^2 /NDF: 12104250.8/54

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 19.1/28

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.016 χ^2/NDF : 26.4/31

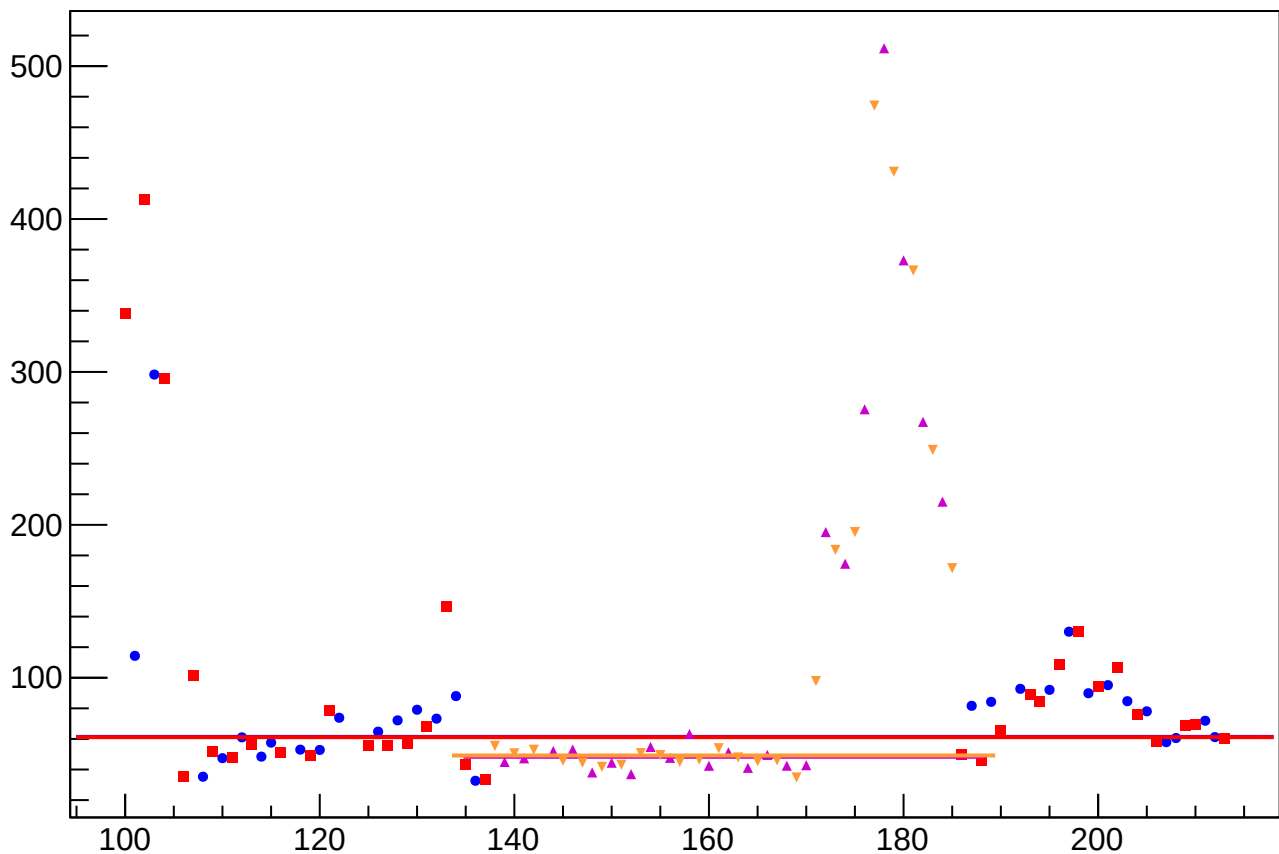
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 42.2/52

All: -0.010 ± 0.007 χ^2/NDF : 84.9/107

- sign 0.004 ± 0.010 χ^2/NDF : 39.1/54

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.319+/-0.012 χ^2/NDF : 4239223.5/28

Left Out: 49.180+/-0.010 χ^2/NDF : 7250092.4/23

Right Out: 61.153+/-0.011 χ^2/NDF : 4318413.0/31

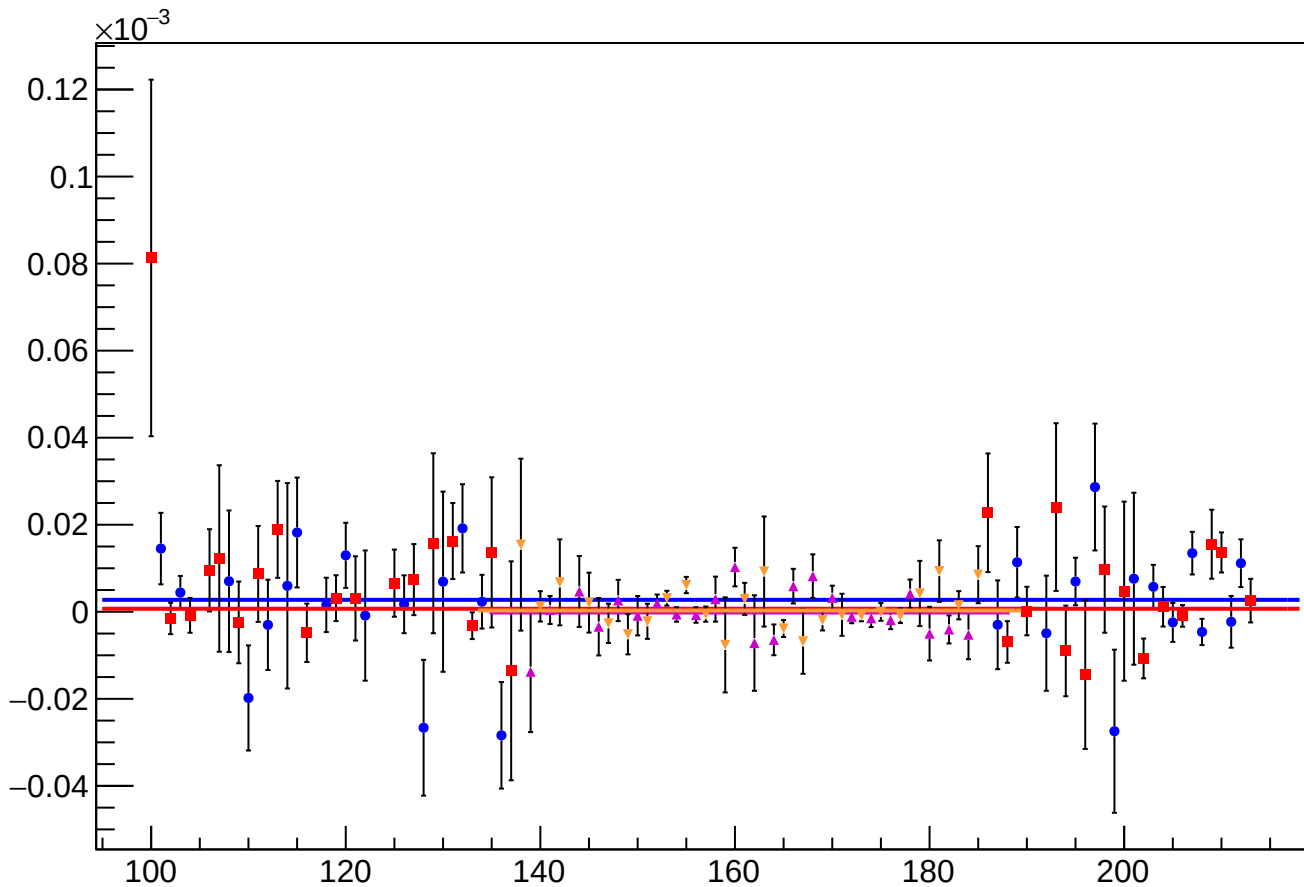
Left In: 48.307+/-0.010 χ^2/NDF : 7040663.5/22

+ sign 54.195+/-0.008 χ^2/NDF : 12118938.9/52

All: 53.894+/-0.005 χ^2/NDF : 24226282.0/107

- sign 53.610+/-0.007 χ^2/NDF : 12104250.8/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.2/31

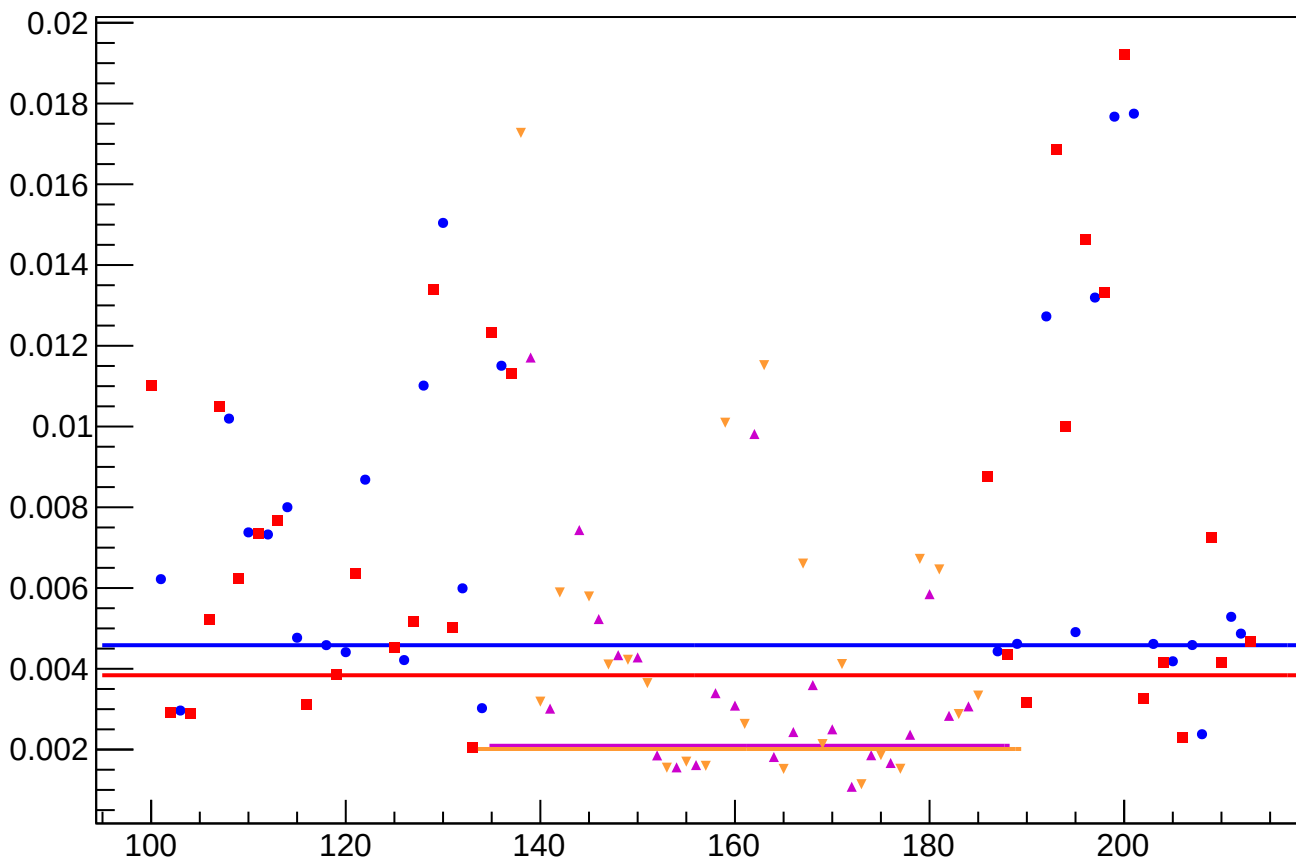
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.9/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 148.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 70.0/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7225379.6/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:10262318.5/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 9079523.6/31

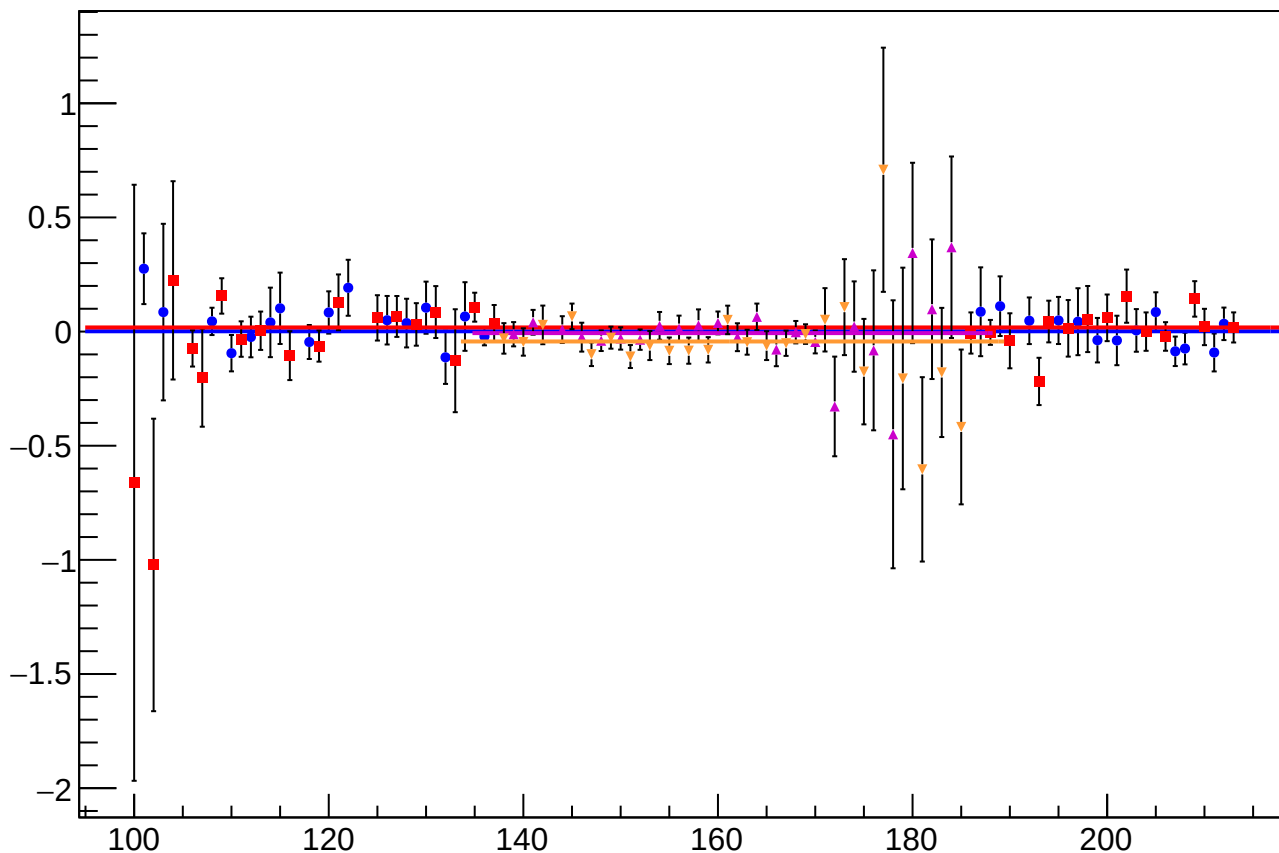
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:7141979.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24206227.6/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 44483080.4/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 20249556.4/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 19.1/28

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.016 χ^2/NDF : 26.4/31

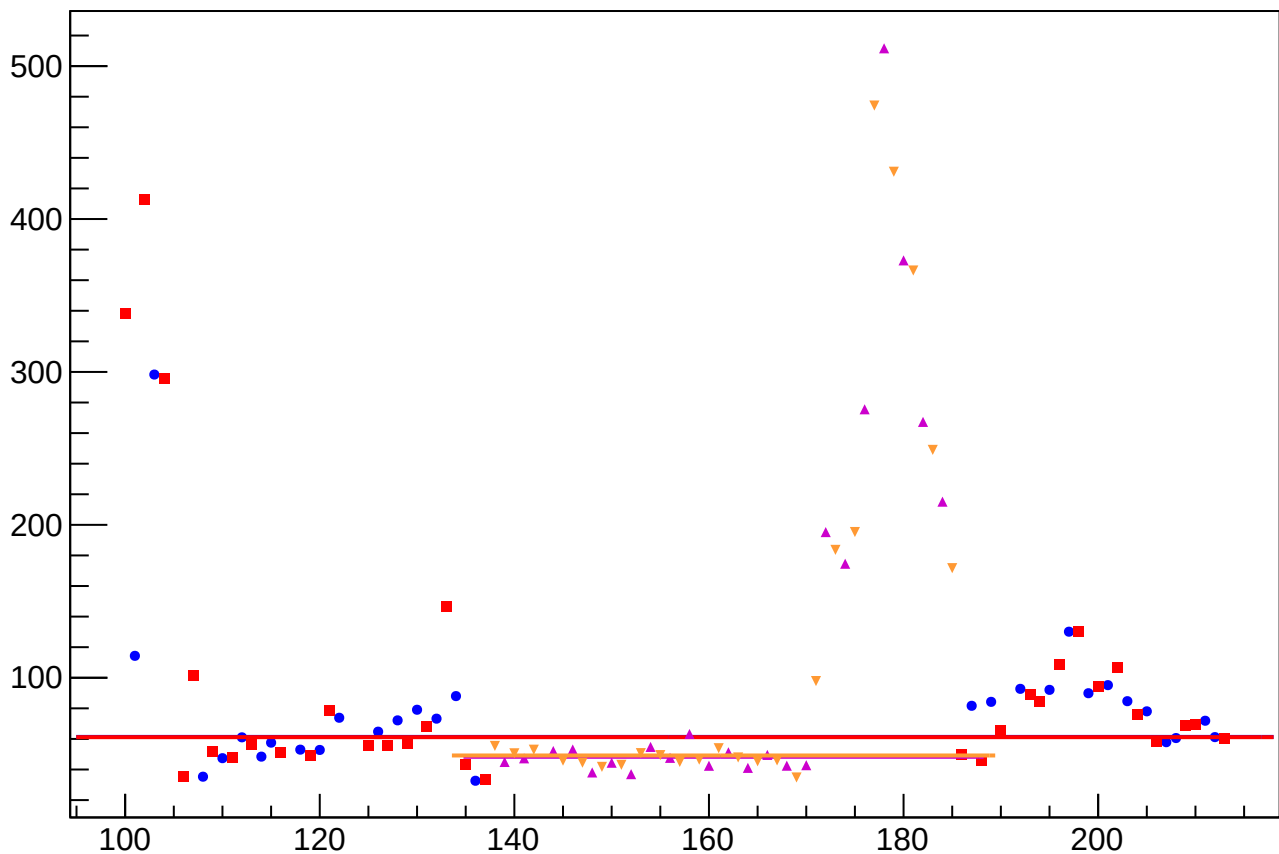
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 42.2/52

All: -0.010 ± 0.007 χ^2/NDF : 84.9/107

- sign 0.004 ± 0.010 χ^2/NDF : 39.1/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.319 $\pm$ 0.012 χ^2 /NDF: 4239072.5/28

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 61.154 $\pm$ 0.011 χ^2 /NDF: 4318270.6/31

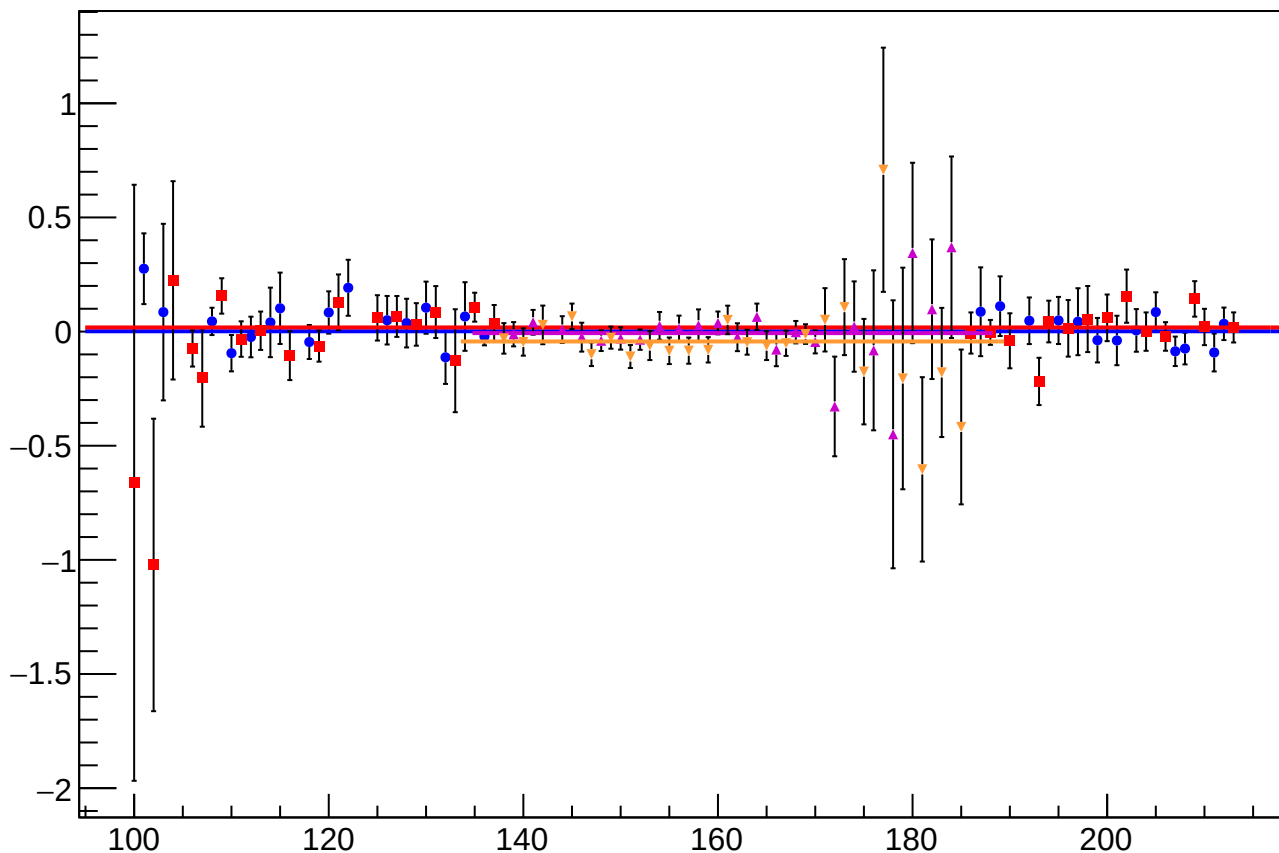
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 54.194 $\pm$ 0.008 χ^2 /NDF: 12118860.3/52

All: 53.894 $\pm$ 0.005 χ^2 /NDF: 24226002.6/107

- sign 53.611 $\pm$ 0.007 χ^2 /NDF: 12104055.4/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 ± 0.017 χ^2/NDF : 19.1/28

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.018 ± 0.016 χ^2/NDF : 26.4/31

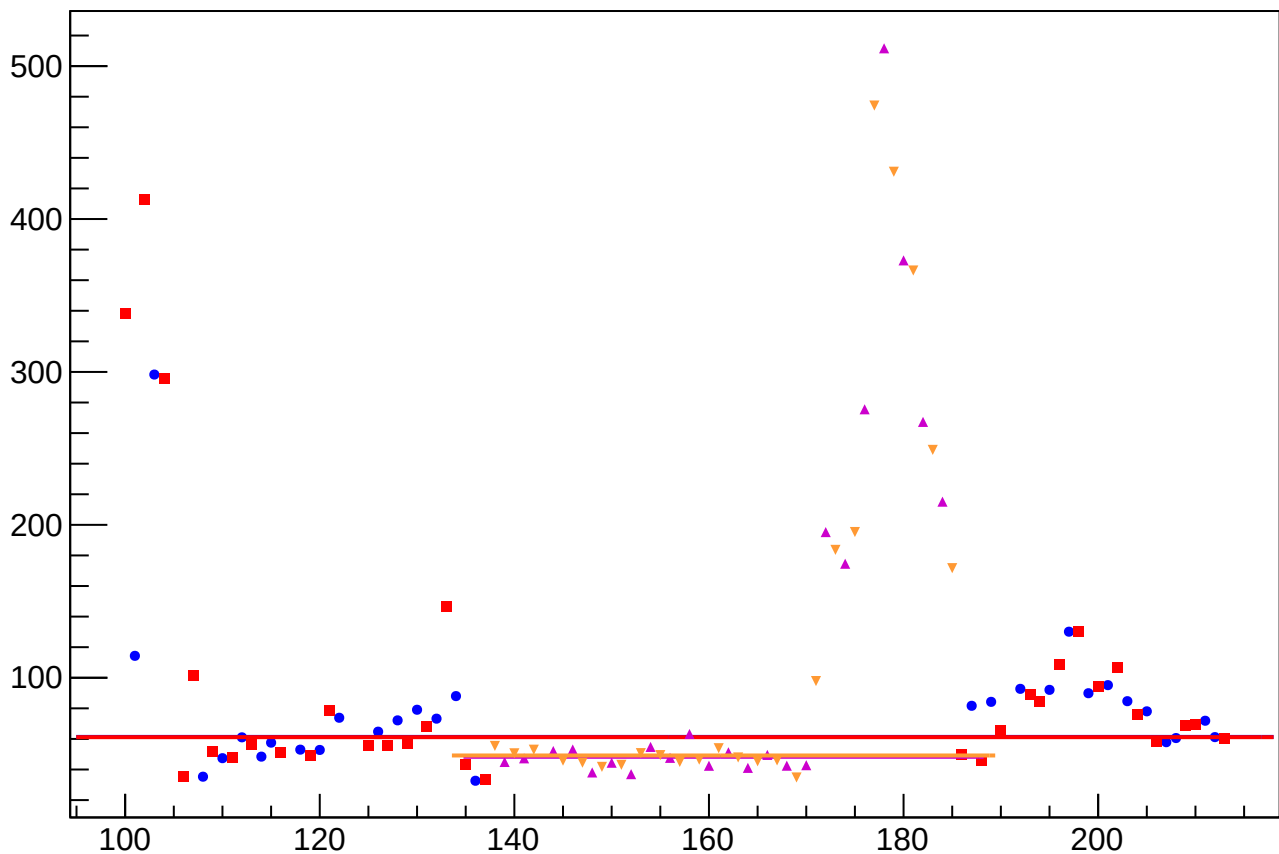
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.025 ± 0.011 χ^2/NDF : 42.2/52

All: -0.010 ± 0.007 χ^2/NDF : 84.9/107

- sign 0.004 ± 0.010 χ^2/NDF : 39.1/54

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.319 $\pm$ 0.012 χ^2 /NDF: 4239072.5/28

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 61.154 $\pm$ 0.011 χ^2 /NDF: 4318270.6/31

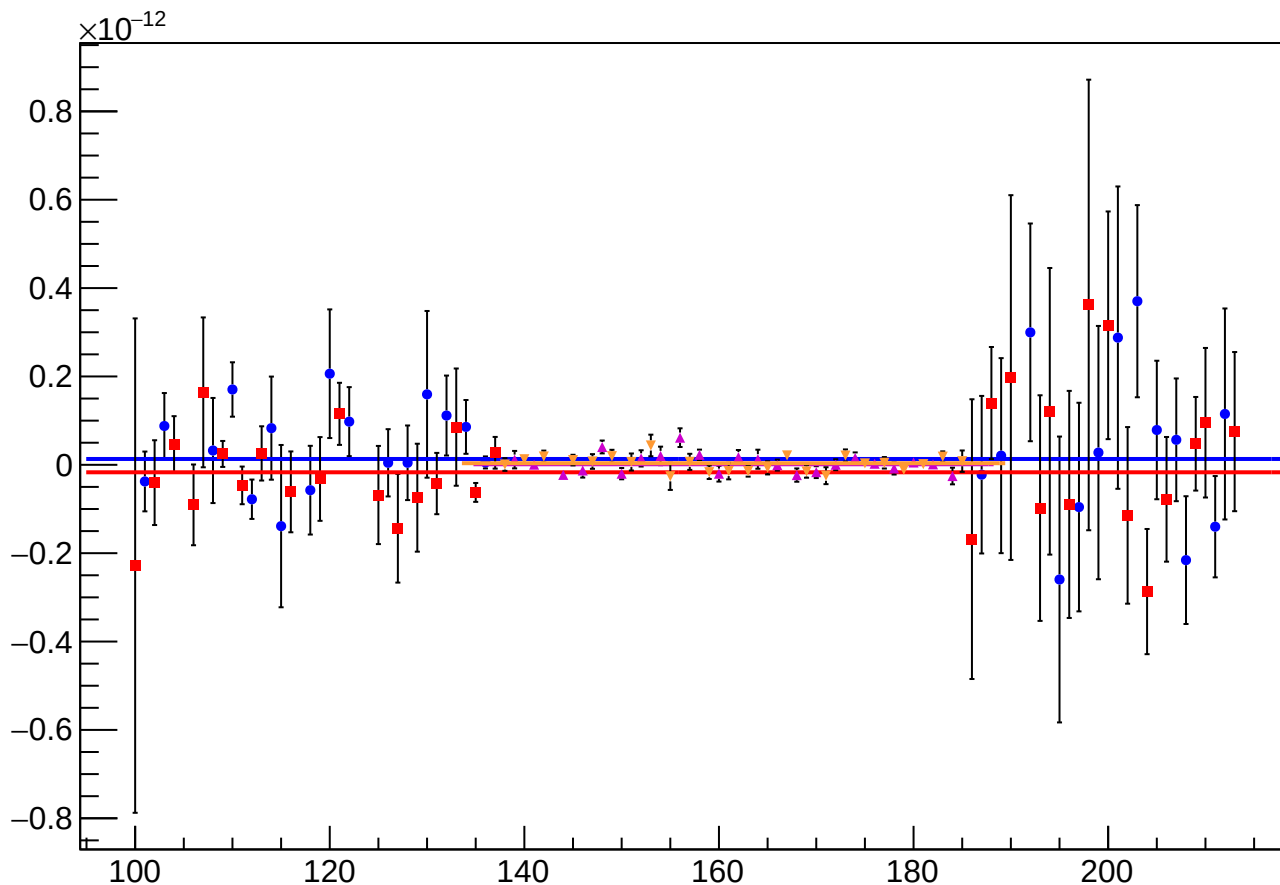
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 54.194 $\pm$ 0.008 χ^2 /NDF: 12118860.3/52

All: 53.894 $\pm$ 0.005 χ^2 /NDF: 24226002.6/107

- sign 53.611 $\pm$ 0.007 χ^2 /NDF: 12104055.4/54

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:24.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.8/31

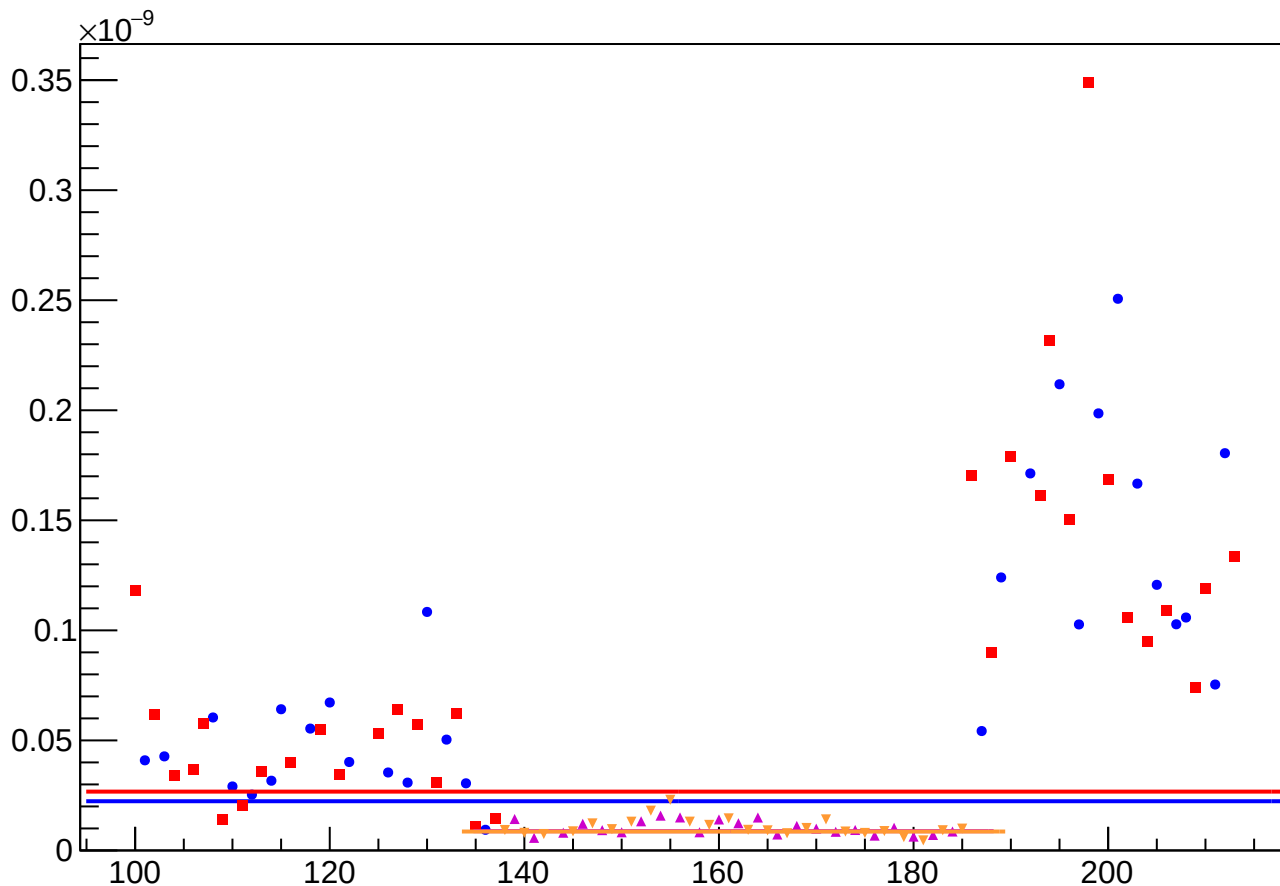
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:40.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.0/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 127.0/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 69.9/54

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11802740.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 10573056.5/31

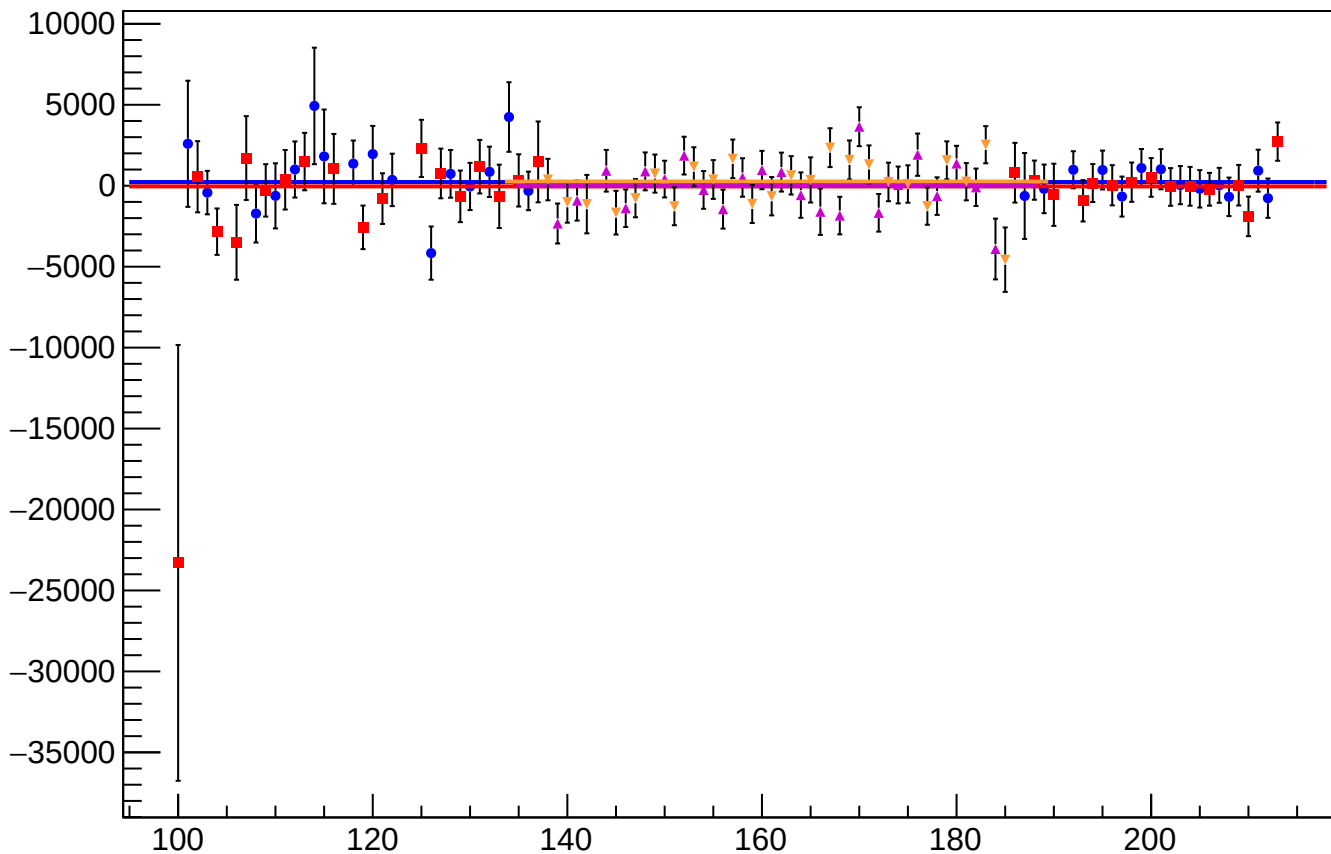
Left In: 0.000+/-0.000 χ^2/NDF : 1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 17229909.3/52

All: 0.000+/-0.000 χ^2/NDF : 33942395.5/107

- sign 0.000+/-0.000 χ^2/NDF : 16703156.0/54

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 227.404 $\pm$ 268.013 χ^2 /NDF: 21.2/28

Left Out: 260.650 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -41.668 $\pm$ 262.023 χ^2 /NDF: 26.6/31

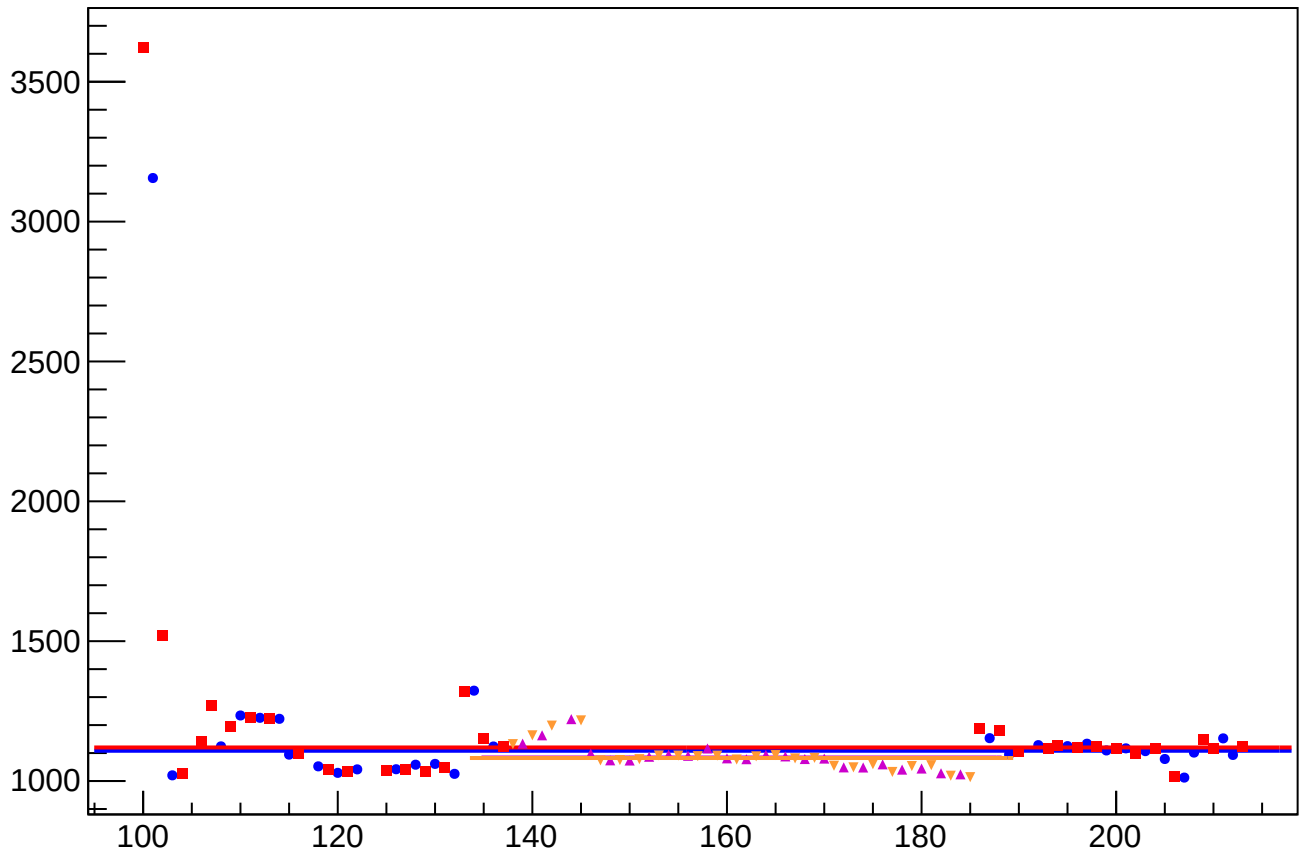
Left In: -22.368 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.089 $\pm$ 183.359 χ^2 /NDF: 49.4/52

All: 105.766 $\pm$ 129.217 χ^2 /NDF: 113.0/107

- sign -31.693 $\pm$ 182.128 χ^2 /NDF: 62.4/54

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.231+/-0.190 χ^2/NDF : 646528.7/28

Left Out: 1082.308+/-0.178 χ^2/NDF : 57873.0/23

Right Out: 1119.996+/-0.185 χ^2/NDF : 252585.4/31

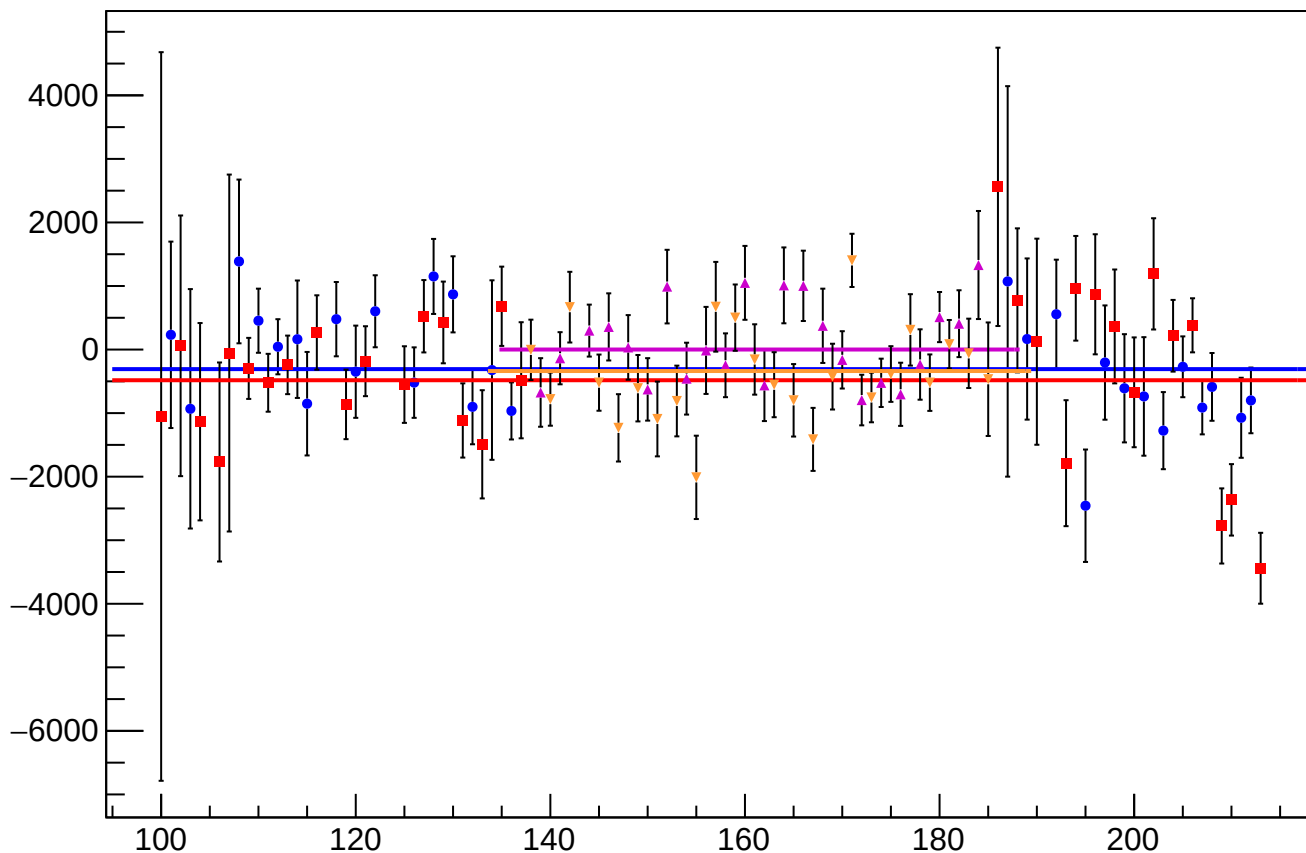
Left In: 1084.166+/-0.179 χ^2/NDF : 53438.8/22

+ sign 1094.441+/-0.130 χ^2/NDF : 714355.4/52

All: 1097.983+/-0.091 χ^2/NDF : 1041191.8/10

- sign 1101.477+/-0.129 χ^2/NDF : 325354.0/54

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -307.752 ± 121.190 $\chi^2/\text{NDF}: 38.2/28$

Left Out: -337.727 ± 102.601 $\chi^2/\text{NDF}: 48.8/23$

Right Out: -482.742 ± 121.472 $\chi^2/\text{NDF}: 89.8/31$

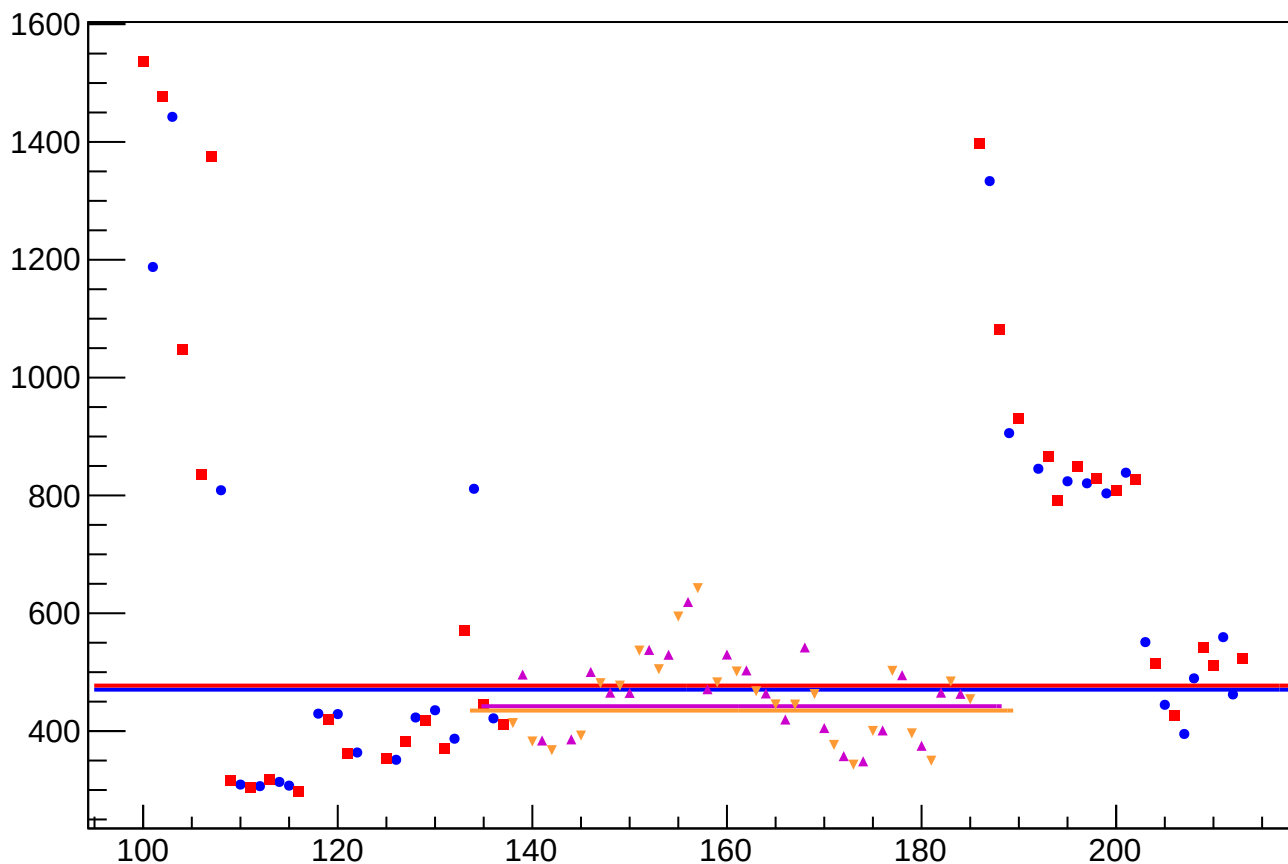
Left In: 0.547 ± 104.733 $\chi^2/\text{NDF}: 31.9/22$

+ sign -325.212 ± 78.307 $\chi^2/\text{NDF}: 87.0/52$

All: -266.141 ± 55.726 $\chi^2/\text{NDF}: 218.9/107$

- sign -205.530 ± 79.321 $\chi^2/\text{NDF}: 130.8/54$

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 470.382 $\pm$ 0.086 χ^2 /NDF: 4320172.7/28

Left Out: 434.858 $\pm$ 0.073 χ^2 /NDF: 878416.4/23

Right Out: 477.199 $\pm$ 0.086 χ^2 /NDF: 5427980.8/31

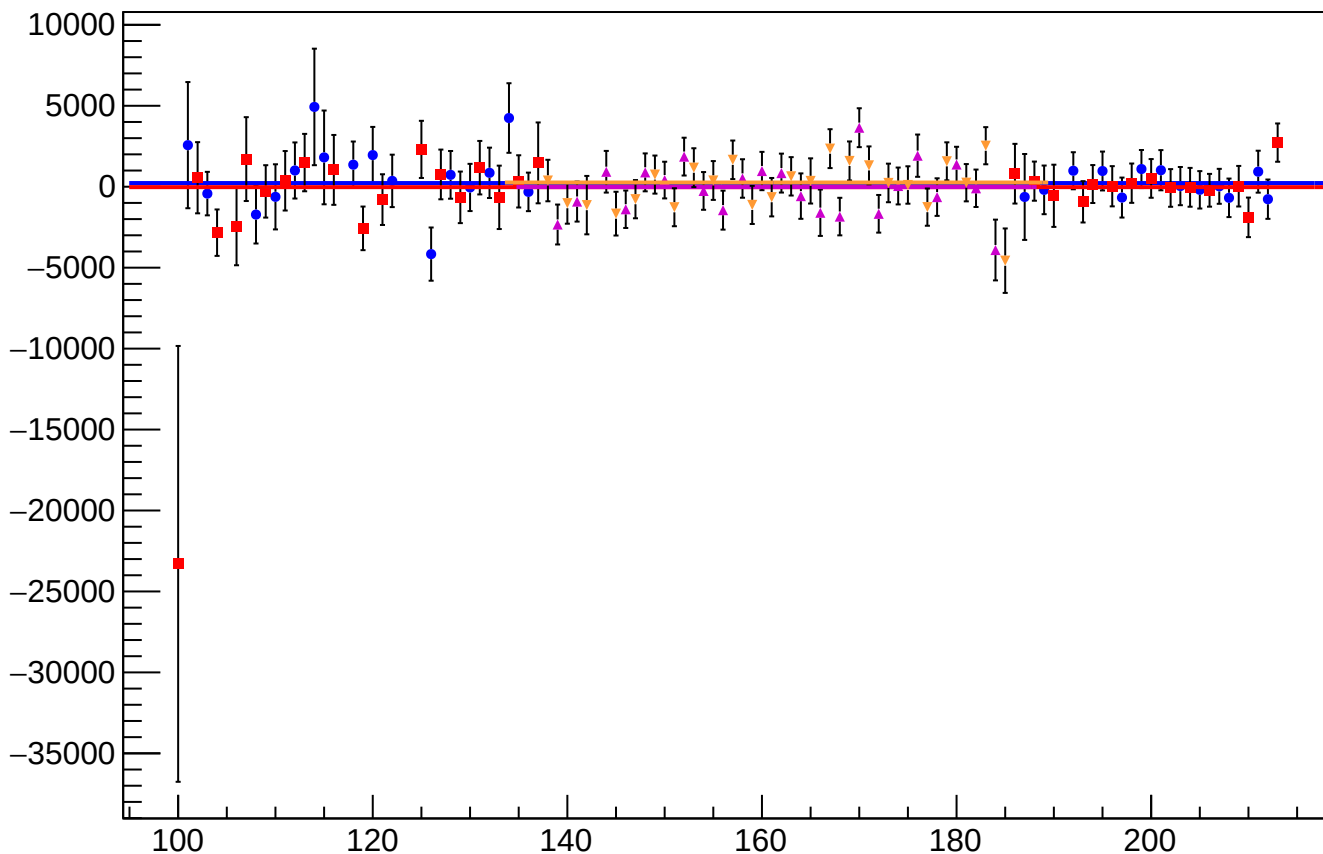
Left In: 442.209 $\pm$ 0.074 χ^2 /NDF: 825972.2/22

+ sign 449.690 $\pm$ 0.055 χ^2 /NDF: 5298684.3/52

All: 453.361 $\pm$ 0.039 χ^2 /NDF: 11656733.1/10

- sign 457.129 $\pm$ 0.056 χ^2 /NDF: 6349140.3/54

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 227.272 $\pm$ 268.013 χ^2 /NDF: 21.2/28

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -25.771 $\pm$ 262.153 χ^2 /NDF: 25.4/31

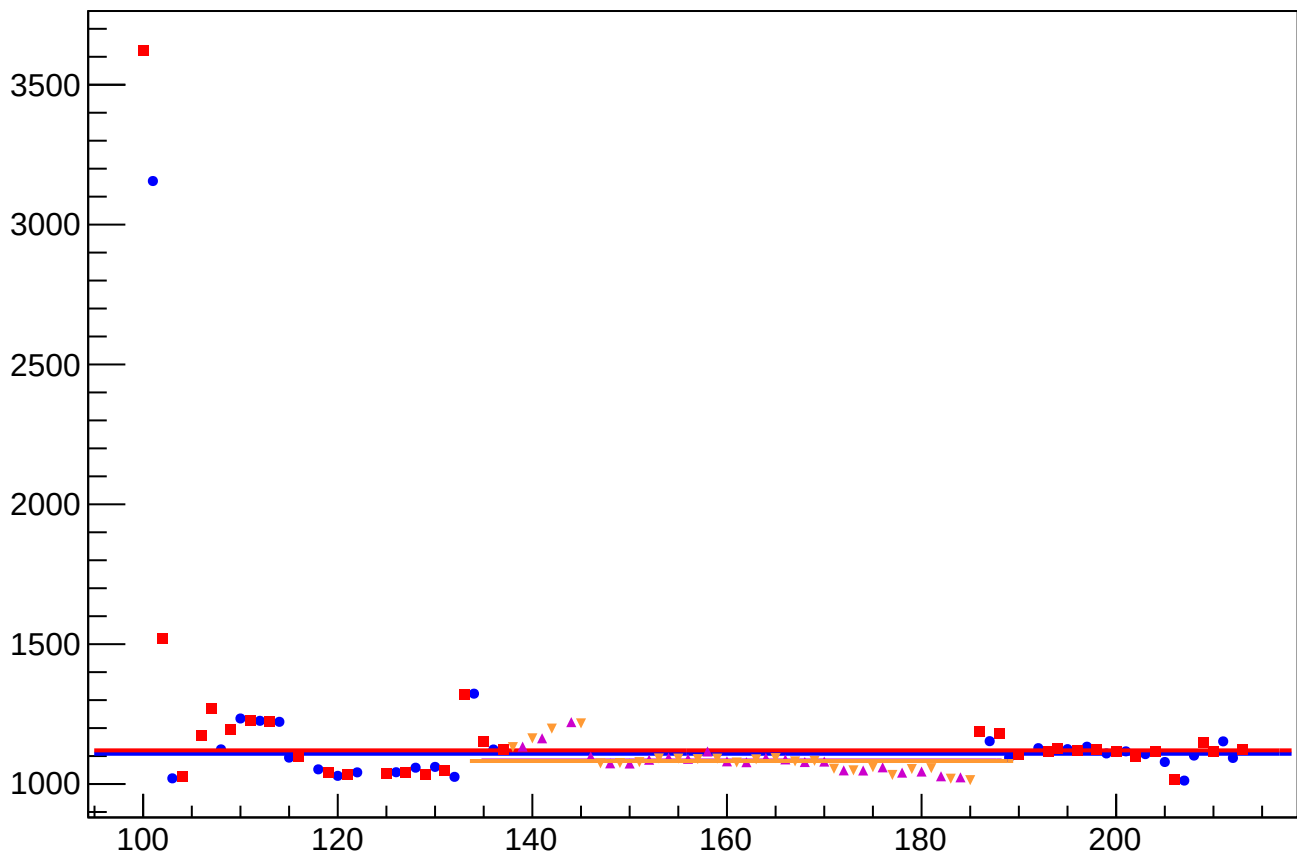
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.022 $\pm$ 183.359 χ^2 /NDF: 49.4/52

All: 109.633 $\pm$ 129.232 χ^2 /NDF: 111.7/107

- sign -24.008 $\pm$ 182.171 χ^2 /NDF: 61.2/54

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.231 $\pm$ 0.190 χ^2 /NDF: 646529.7/28

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1120.348 $\pm$ 0.185 χ^2 /NDF: 253349.9/31

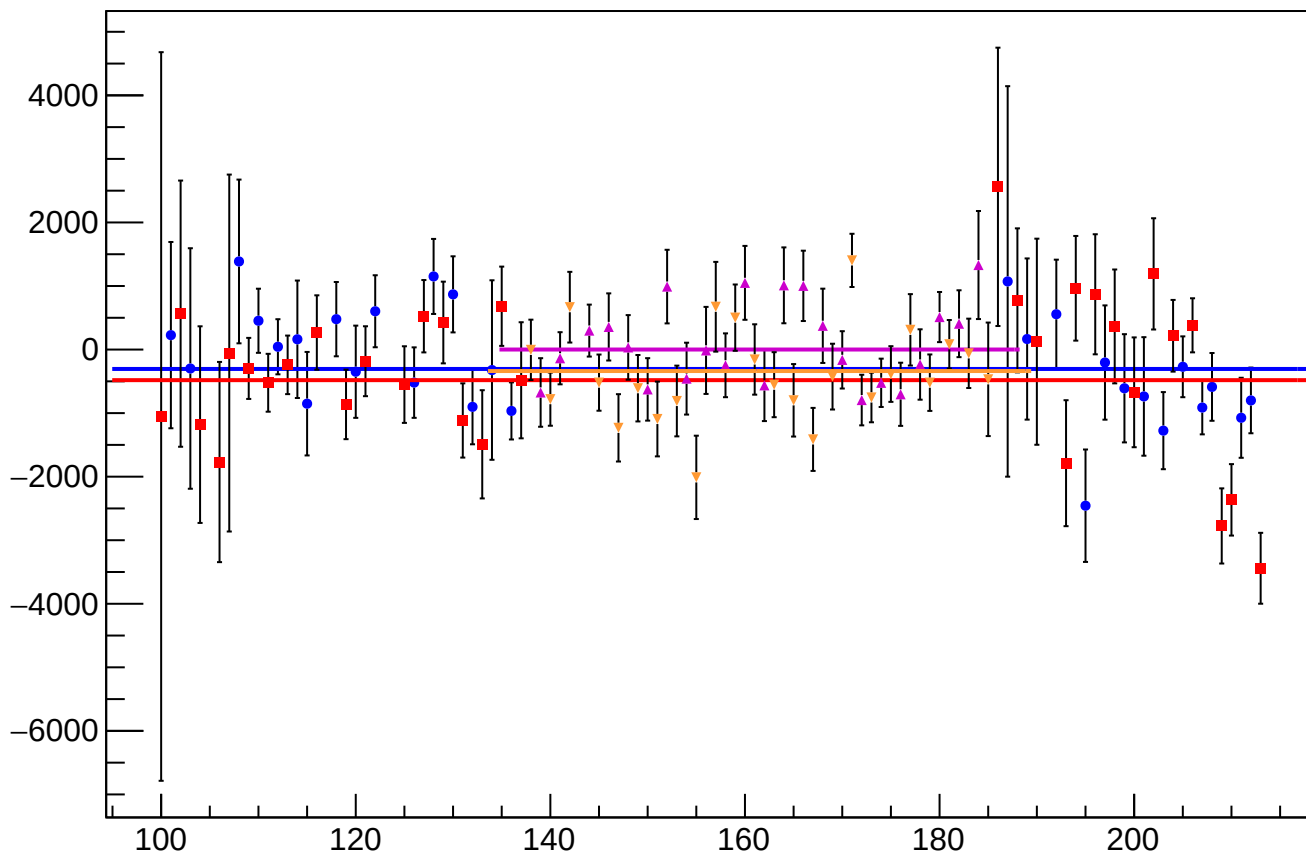
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1094.441 $\pm$ 0.130 χ^2 /NDF: 714356.3/52

All: 1098.063 $\pm$ 0.091 χ^2 /NDF: 1042396.1/10

- sign 1101.638 $\pm$ 0.129 χ^2 /NDF: 326489.3/54

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: -305.225 ± 121.191 χ^2/NDF : 38.0/28

Left Out: -337.816 ± 102.601 χ^2/NDF : 48.8/23

Right Out: -481.380 ± 121.483 χ^2/NDF : 90.0/31

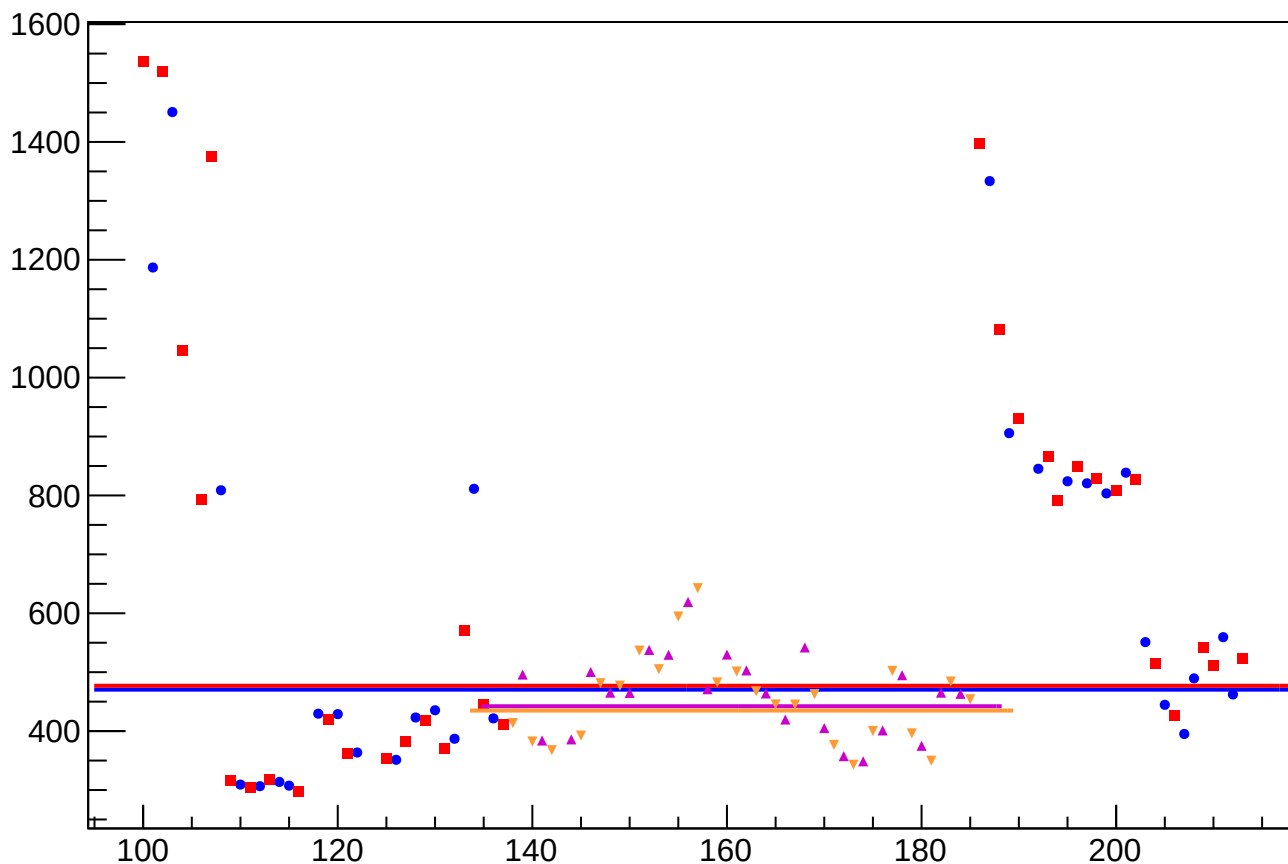
Left In: 0.567 ± 104.733 χ^2/NDF : 31.9/22

+ sign -324.209 ± 78.307 χ^2/NDF : 86.9/52

All: -265.332 ± 55.727 χ^2/NDF : 219.0/107

- sign -204.916 ± 79.324 χ^2/NDF : 130.9/54

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 470.376 $\pm$ 0.086 χ^2 /NDF: 4323966.4/28

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 476.935 $\pm$ 0.086 χ^2 /NDF: 5422792.6/31

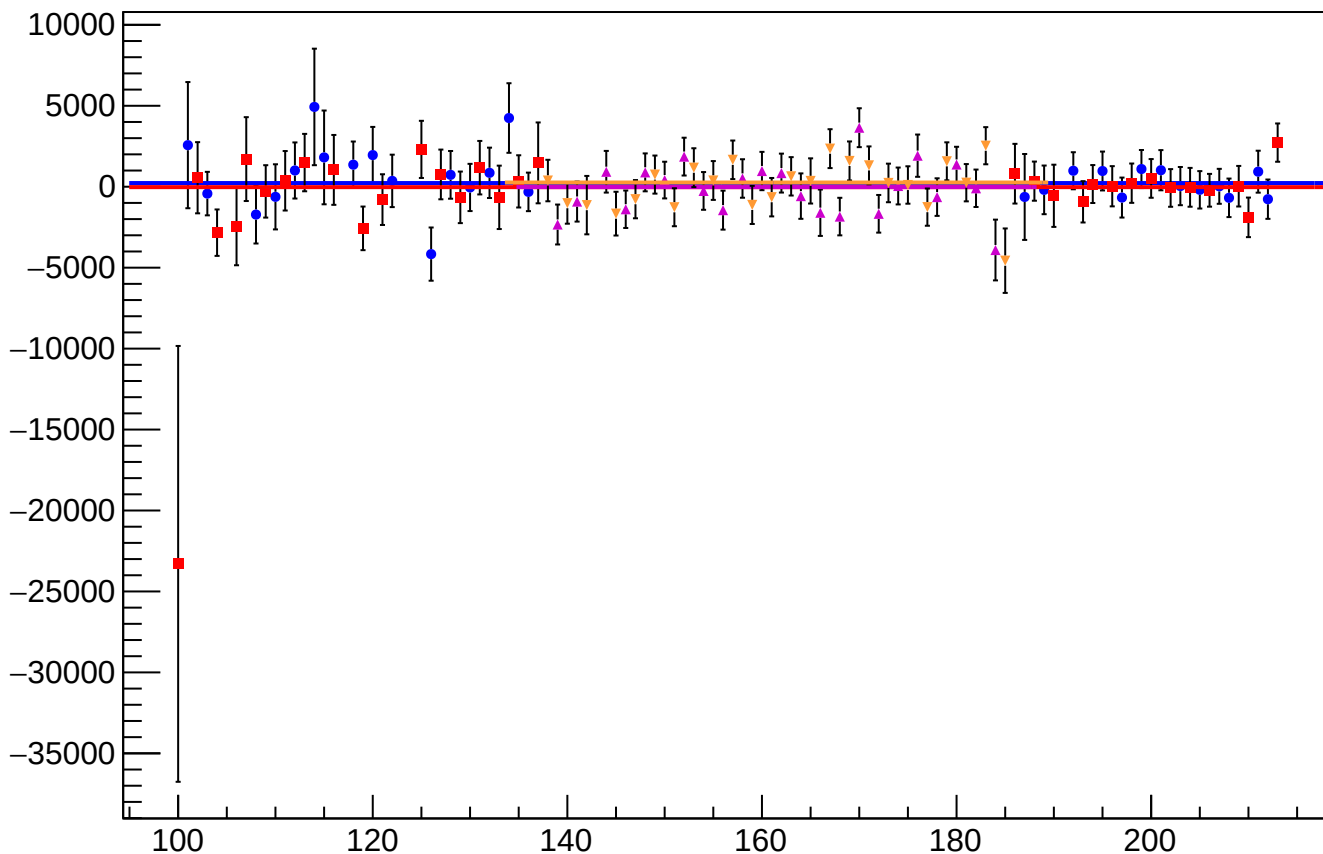
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 449.686 $\pm$ 0.055 χ^2 /NDF: 5302553.9/52

All: 453.303 $\pm$ 0.039 χ^2 /NDF: 11653579.9/10

- sign 457.015 $\pm$ 0.056 χ^2 /NDF: 6342378.4/54

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 227.272 $\pm$ 268.013 χ^2 /NDF: 21.2/28

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -25.771 $\pm$ 262.153 χ^2 /NDF: 25.4/31

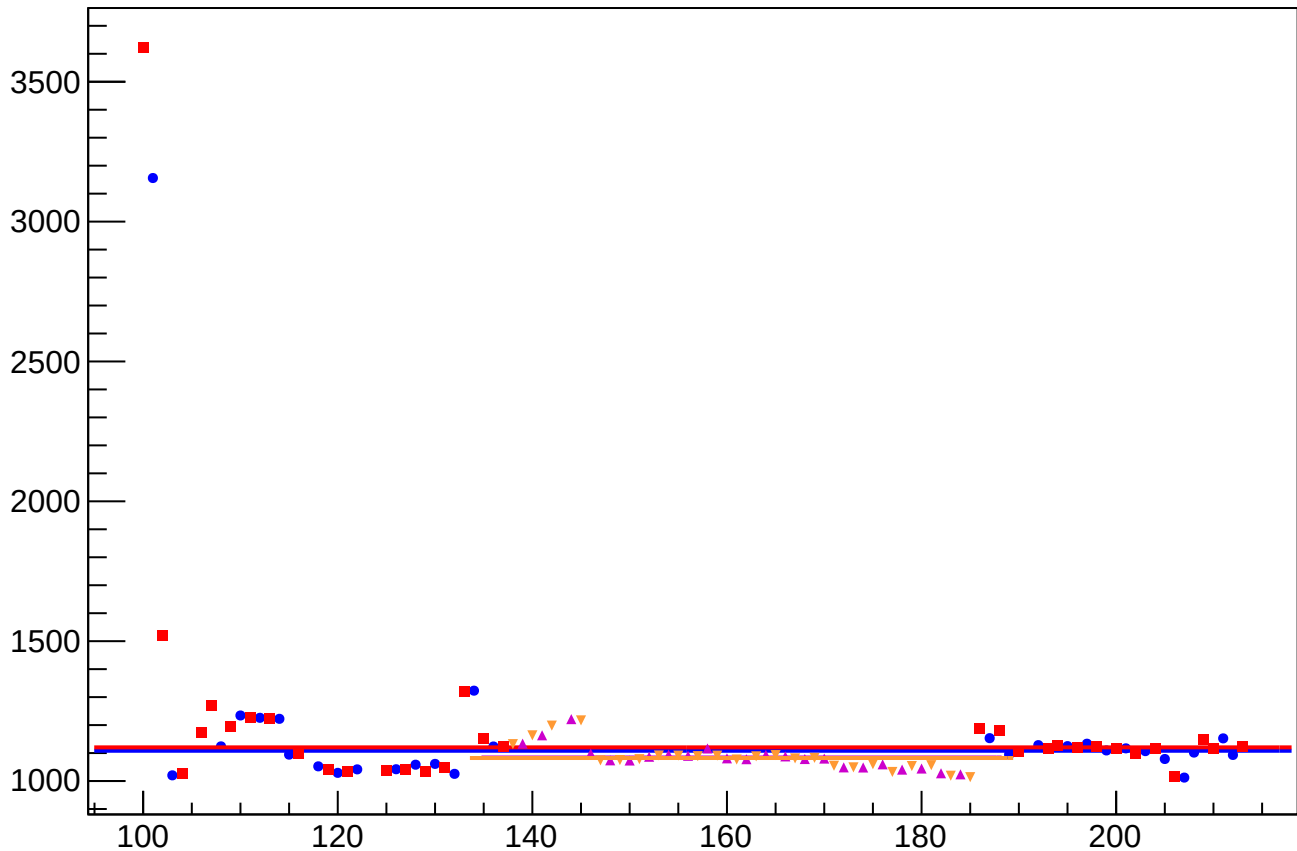
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.022 $\pm$ 183.359 χ^2 /NDF: 49.4/52

All: 109.633 $\pm$ 129.232 χ^2 /NDF: 111.7/107

- sign -24.008 $\pm$ 182.171 χ^2 /NDF: 61.2/54

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1108.231 $\pm$ 0.190 χ^2 /NDF: 646529.7/28

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1120.348 $\pm$ 0.185 χ^2 /NDF: 253349.9/31

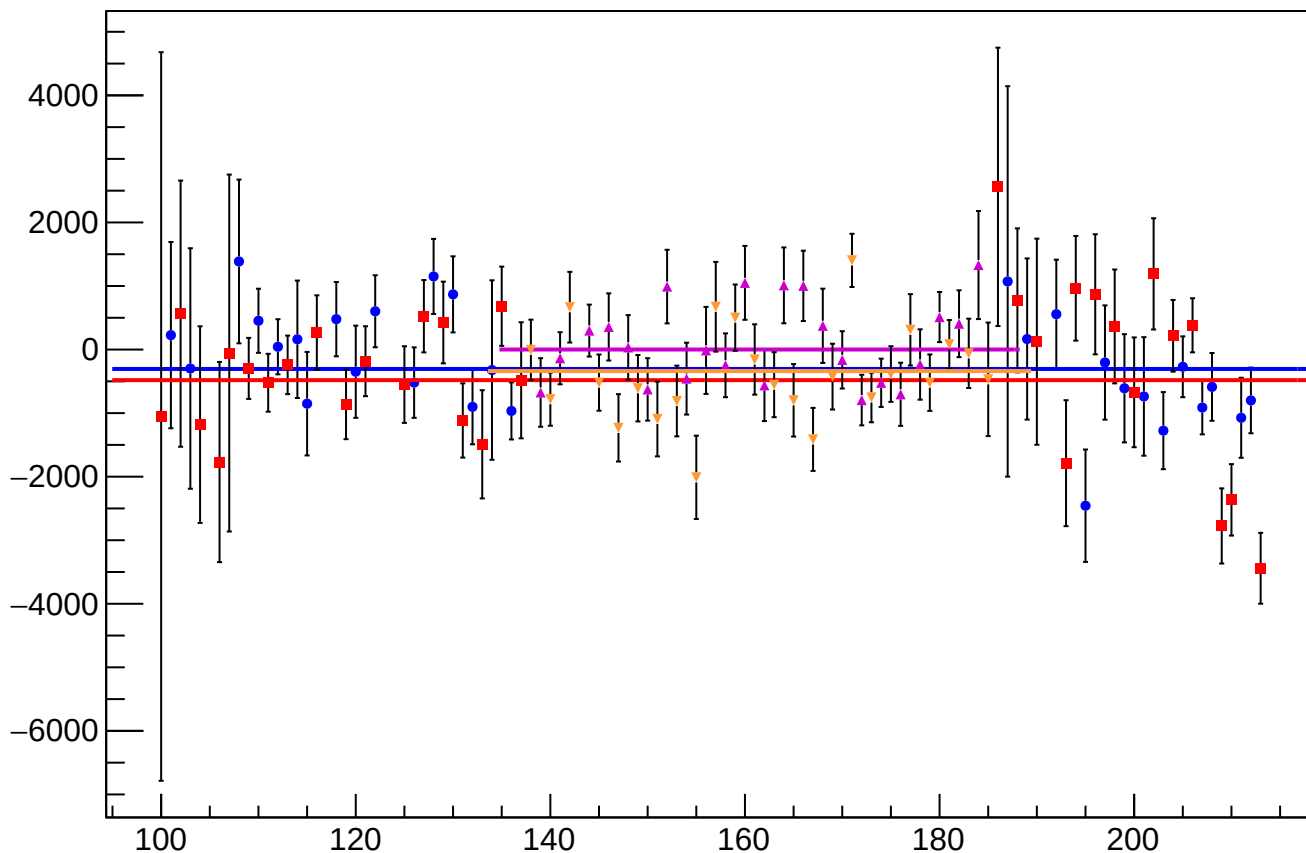
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1094.441 $\pm$ 0.130 χ^2 /NDF: 714356.3/52

All: 1098.063 $\pm$ 0.091 χ^2 /NDF: 1042396.1/10

- sign 1101.638 $\pm$ 0.129 χ^2 /NDF: 326489.3/54

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -305.225 ± 121.191 χ^2/NDF : 38.0/28

Left Out: -337.816 ± 102.601 χ^2/NDF : 48.8/23

Right Out: -481.380 ± 121.483 χ^2/NDF : 90.0/31

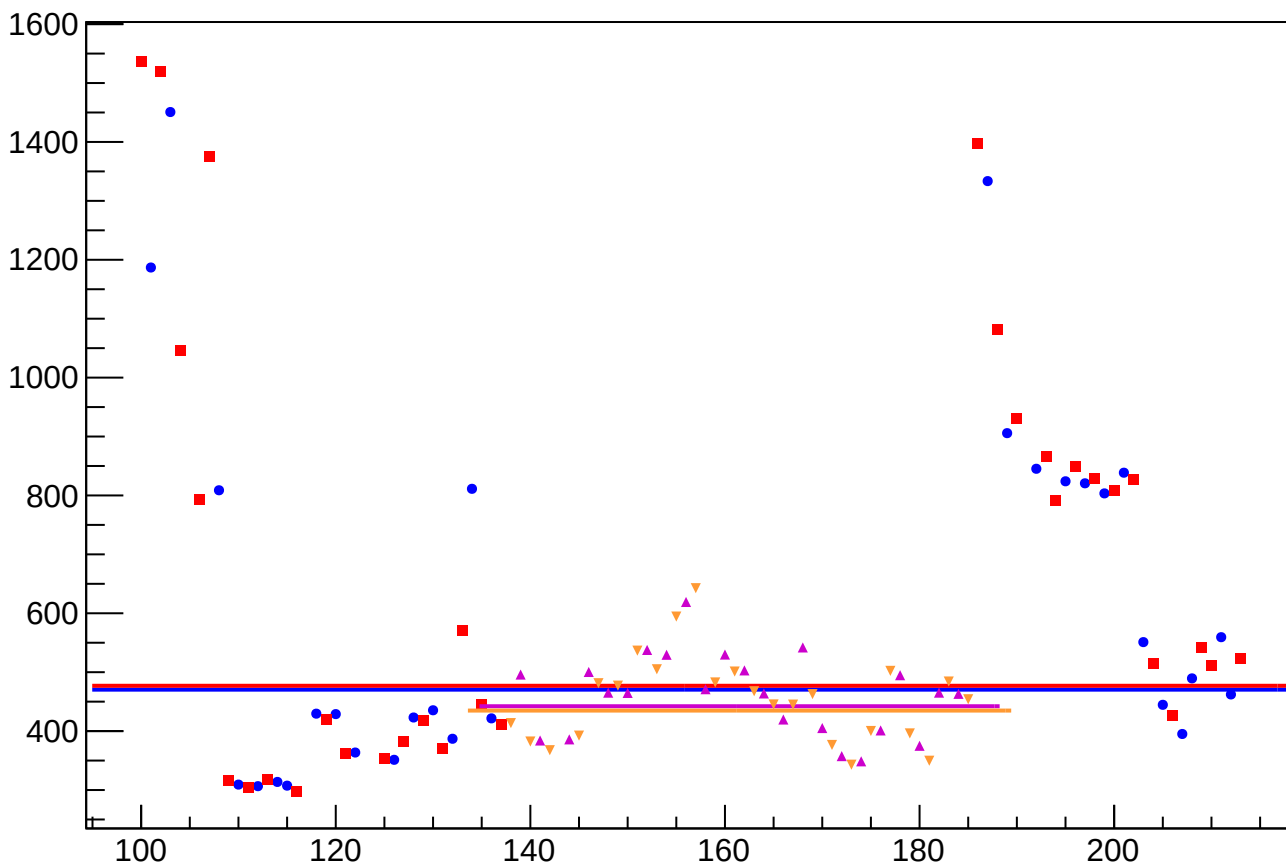
Left In: 0.567 ± 104.733 χ^2/NDF : 31.9/22

+ sign -324.209 ± 78.307 χ^2/NDF : 86.9/52

All: -265.332 ± 55.727 χ^2/NDF : 219.0/107

- sign -204.916 ± 79.324 χ^2/NDF : 130.9/54

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 470.376 $\pm$ 0.086 χ^2 /NDF: 4323966.4/28

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 476.935 $\pm$ 0.086 χ^2 /NDF: 5422792.6/31

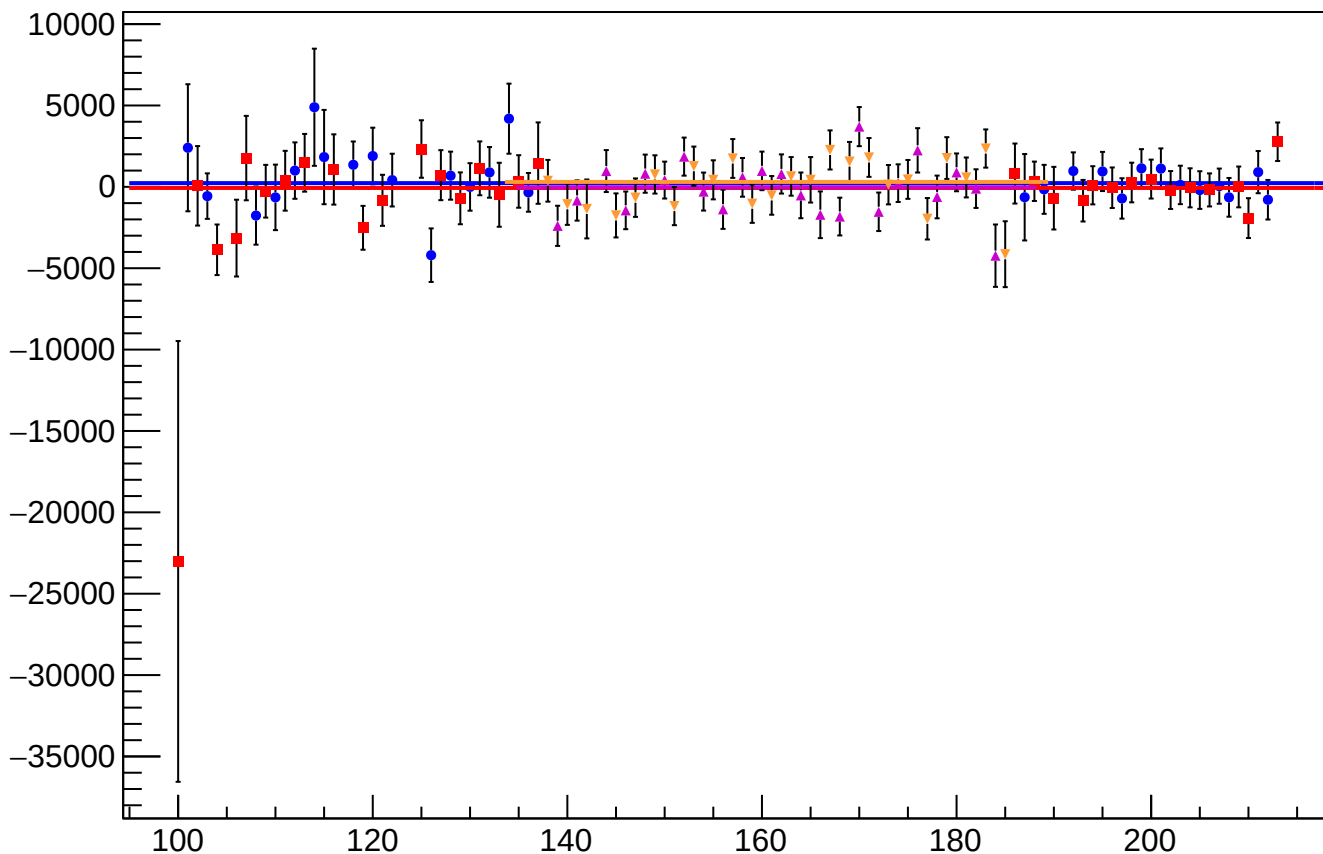
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 449.686 $\pm$ 0.055 χ^2 /NDF: 5302553.9/52

All: 453.303 $\pm$ 0.039 χ^2 /NDF: 11653579.9/10

- sign 457.015 $\pm$ 0.056 χ^2 /NDF: 6342378.4/54

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 228.628 $\pm$ 268.726 χ^2 /NDF: 21.3/28

Left Out: 303.404 $\pm$ 255.556 χ^2 /NDF:28.5/23

Right Out: -67.554 $\pm$ 263.402 χ^2 /NDF: 28.2/31

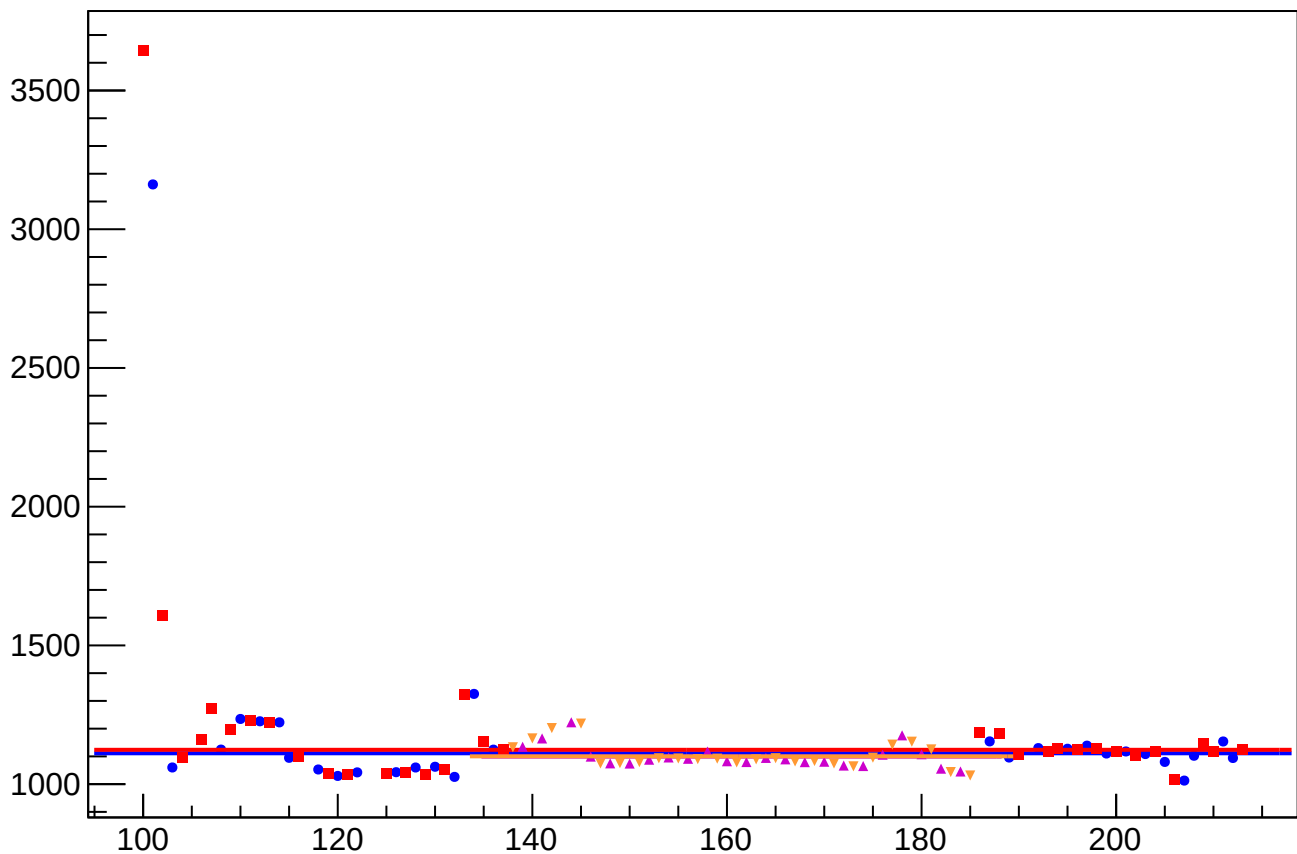
Left In: -25.319 $\pm$ 256.866 χ^2 /NDF:35.9/22

+ sign 267.893 $\pm$ 185.186 χ^2 /NDF: 49.8/52

All: 109.899 $\pm$ 130.489 χ^2 /NDF: 115.3/107

- sign -45.906 $\pm$ 183.899 χ^2 /NDF: 64.0/54

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1111.202 $\pm$ 0.190 χ^2 /NDF: 641520.0/28

Left Out: 1100.258 $\pm$ 0.181 χ^2 /NDF: 48774.1/23

Right Out: 1123.747 $\pm$ 0.186 χ^2 /NDF: 259093.9/31

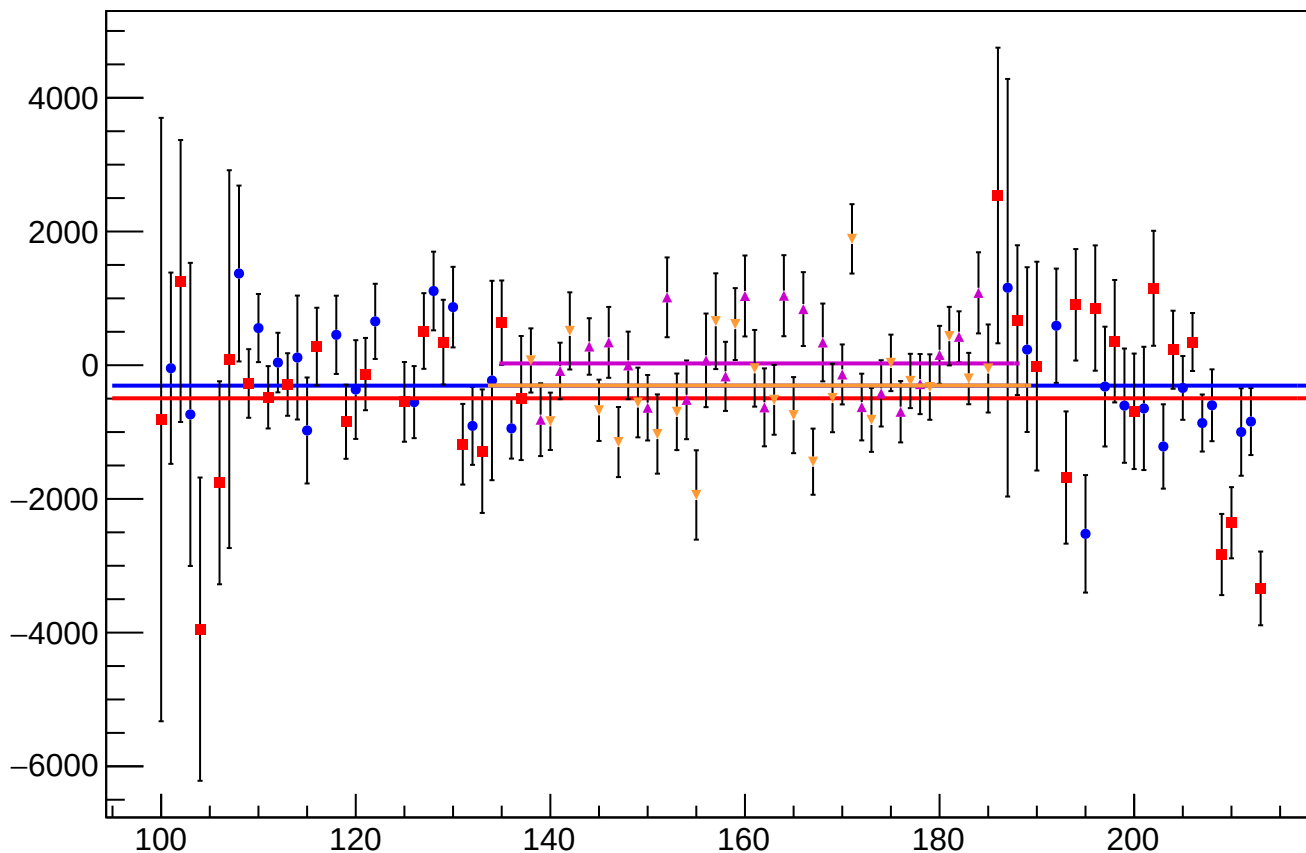
Left In: 1099.342 $\pm$ 0.182 χ^2 /NDF: 44785.6/22

+ sign 1105.455 $\pm$ 0.131 χ^2 /NDF: 692036.1/52

All: 1108.367 $\pm$ 0.092 χ^2 /NDF: 1005697.7/10

- sign 1111.238 $\pm$ 0.130 χ^2 /NDF: 312679.9/54

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: -305.652 ± 121.648 χ^2/NDF : 38.1/28

Left Out: -303.217 ± 102.979 χ^2/NDF : 49.5/23

Right Out: -494.743 ± 122.799 χ^2/NDF : 89.8/31

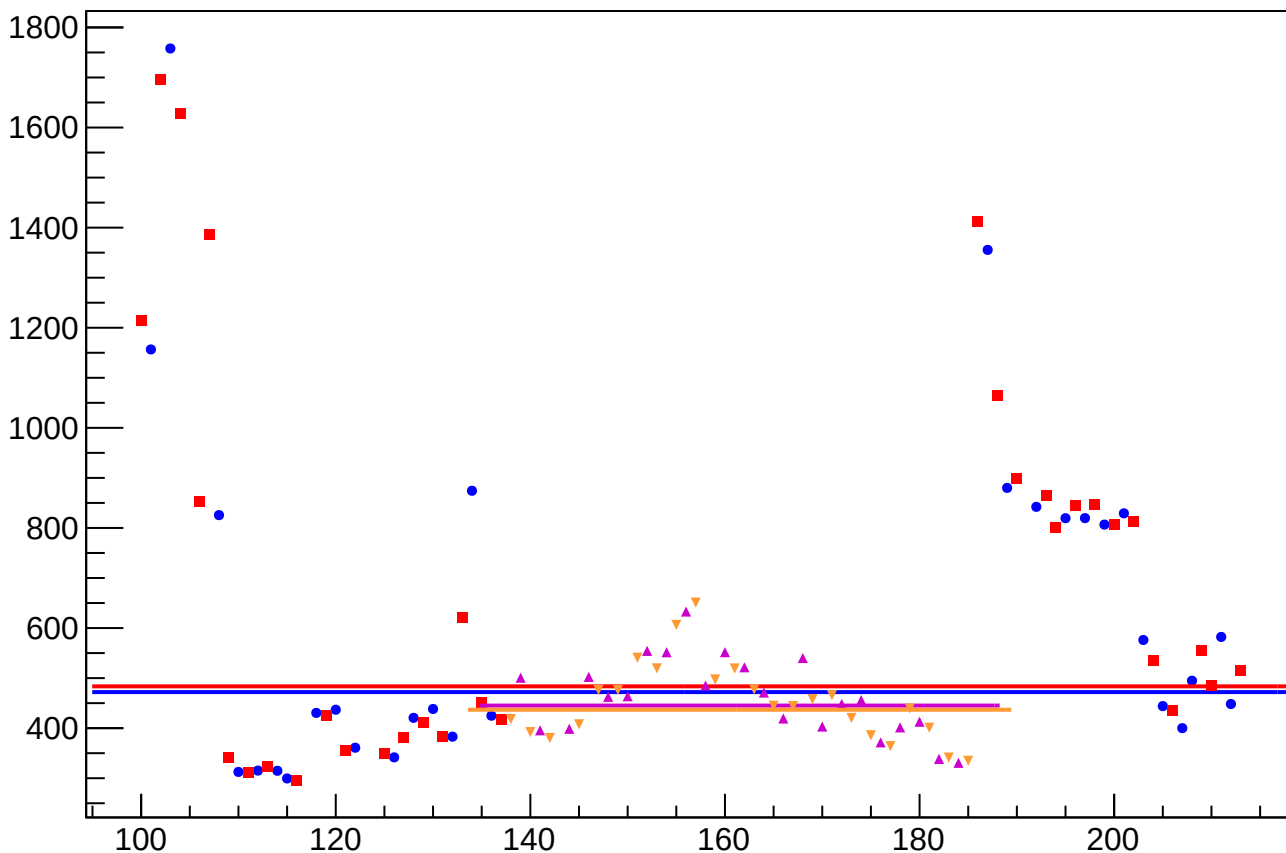
Left In: 26.740 ± 105.420 χ^2/NDF : 27.9/22

+ sign -304.233 ± 78.598 χ^2/NDF : 87.6/52

All: -250.339 ± 56.062 χ^2/NDF : 216.6/107

- sign -194.521 ± 79.988 χ^2/NDF : 128.1/54

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 472.042+/-0.086 χ^2/NDF : 4444134.6/28

Left Out: 436.787+/-0.073 χ^2/NDF : 855206.3/23

Right Out: 483.512+/-0.087 χ^2/NDF : 5734602.5/31

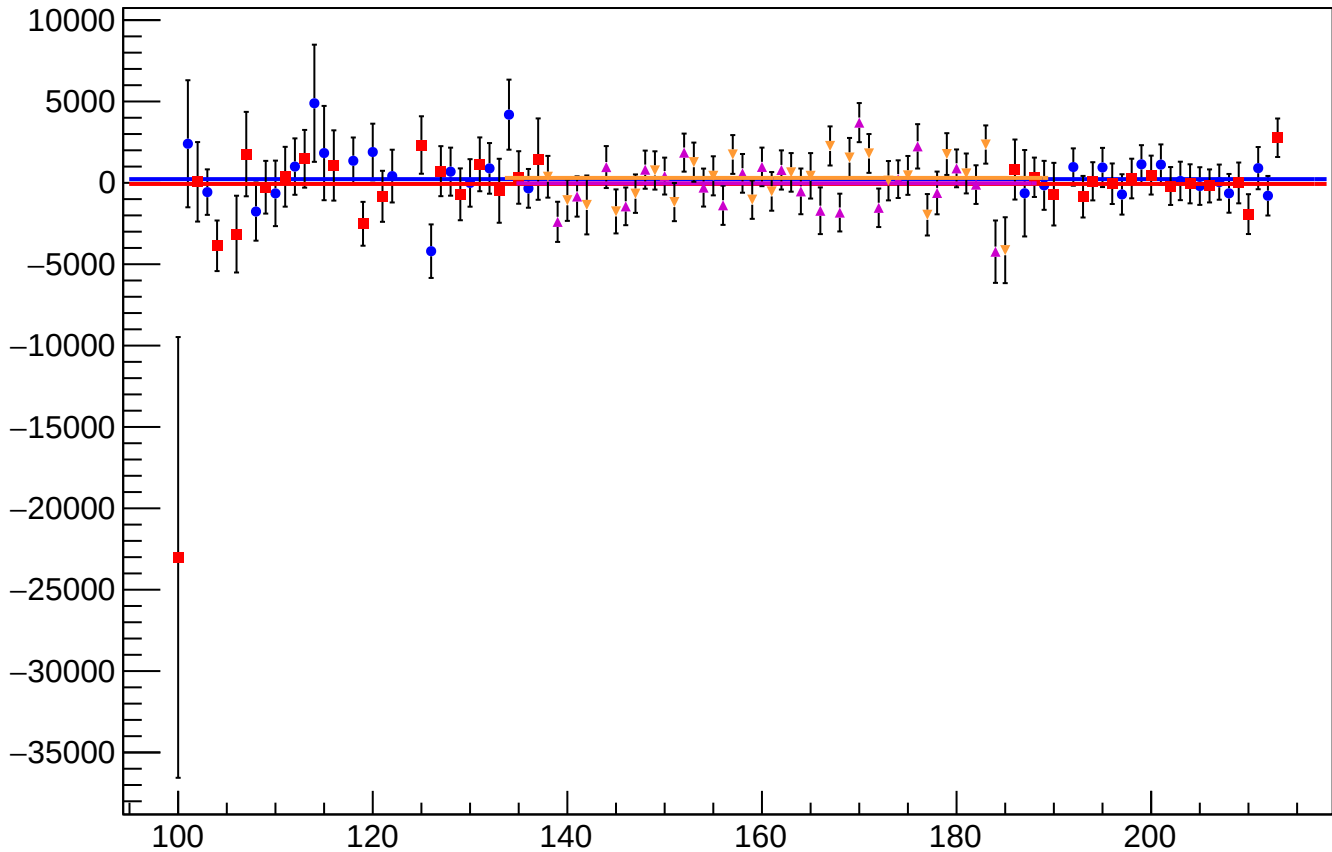
Left In: 445.109+/-0.075 χ^2/NDF : 874534.9/22

+ sign 451.505+/-0.056 χ^2/NDF : 5397196.9/52

All: 456.367+/-0.040 χ^2/NDF : 12134529.9/10

- sign 461.403+/-0.057 χ^2/NDF : 6721750.6/54

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 228.627 $\pm$ 268.726 χ^2 /NDF: 21.3/28

Left Out: 303.402 $\pm$ 255.556 χ^2 /NDF:28.5/23

Right Out: -67.554 $\pm$ 263.402 χ^2 /NDF: 28.2/31

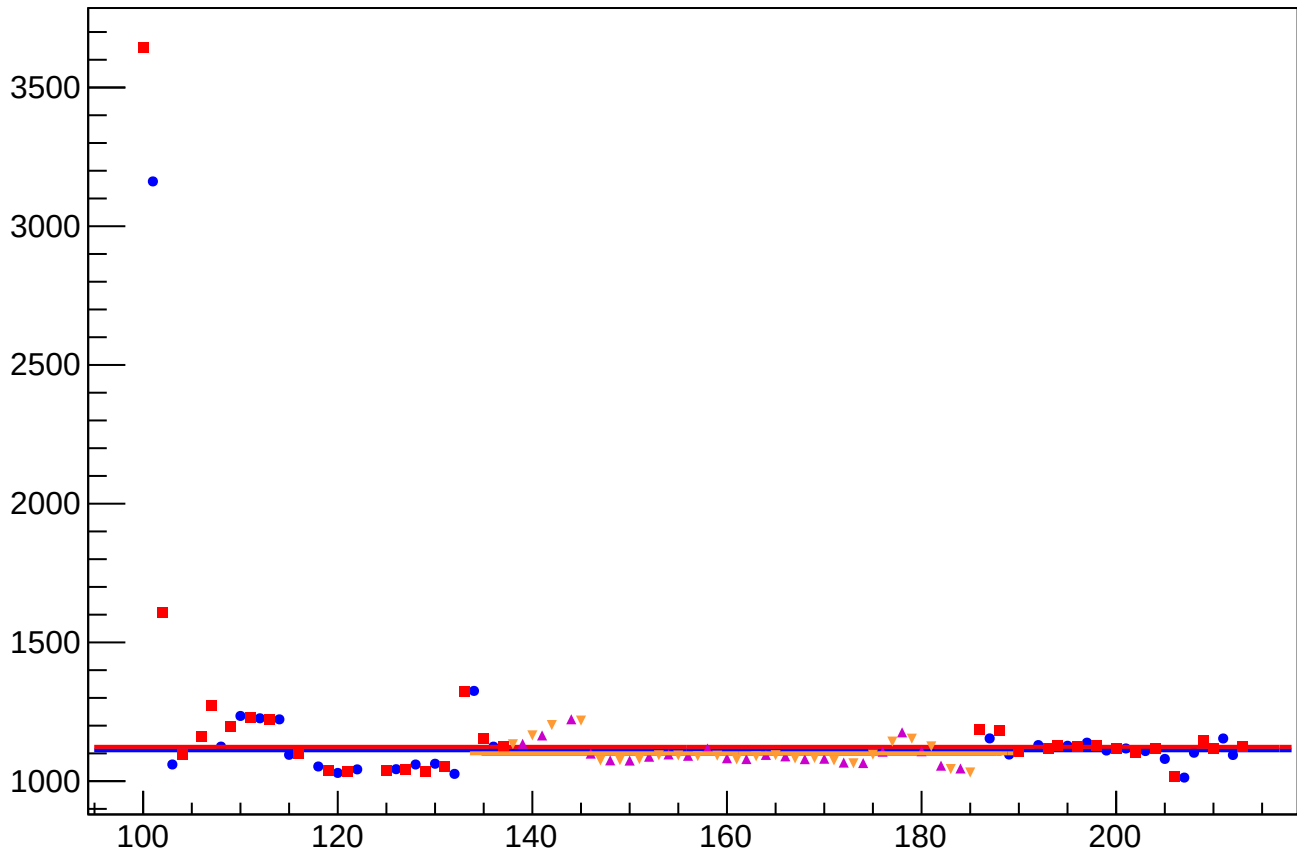
Left In: -25.320 $\pm$ 256.866 χ^2 /NDF:35.9/22

+ sign 267.892 $\pm$ 185.186 χ^2 /NDF: 49.8/52

All: 109.898 $\pm$ 130.489 χ^2 /NDF: 115.3/107

- sign -45.906 $\pm$ 183.899 χ^2 /NDF: 64.0/54

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1111.202 $\pm$ 0.190 χ^2 /NDF: 641520.0/28

Left Out: 1100.258 $\pm$ 0.181 χ^2 /NDF: 48774.3/23

Right Out: 1123.747 $\pm$ 0.186 χ^2 /NDF: 259094.0/31

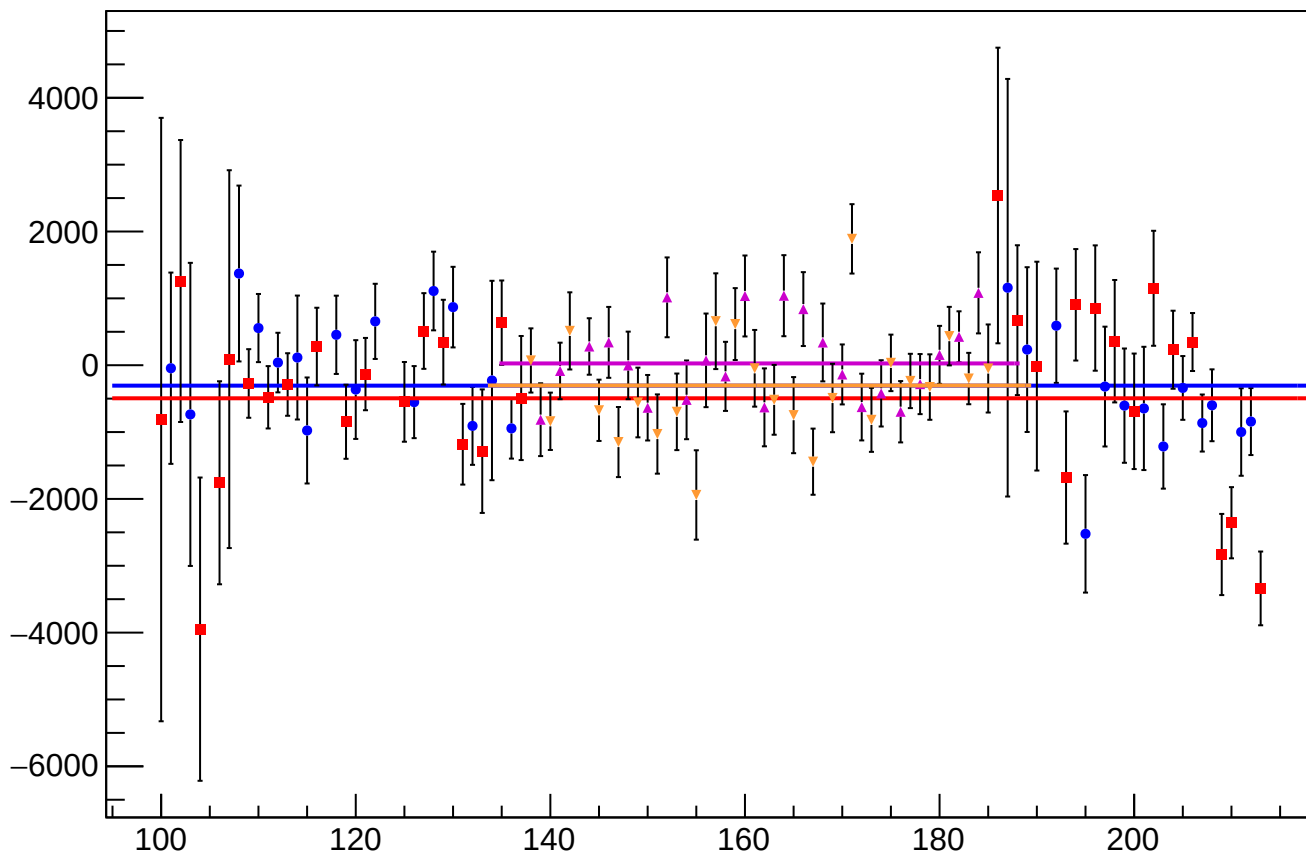
Left In: 1099.342 $\pm$ 0.182 χ^2 /NDF: 44785.7/22

+ sign 1105.455 $\pm$ 0.131 χ^2 /NDF: 692036.3/52

All: 1108.367 $\pm$ 0.092 χ^2 /NDF: 1005698.2/10

- sign 1111.238 $\pm$ 0.130 χ^2 /NDF: 312680.1/54

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -305.655 ± 121.647 $\chi^2/\text{NDF}: 38.1/28$

Left Out: -303.218 ± 102.979 $\chi^2/\text{NDF}: 49.5/23$

Right Out: -494.737 ± 122.798 $\chi^2/\text{NDF}: 89.8/31$

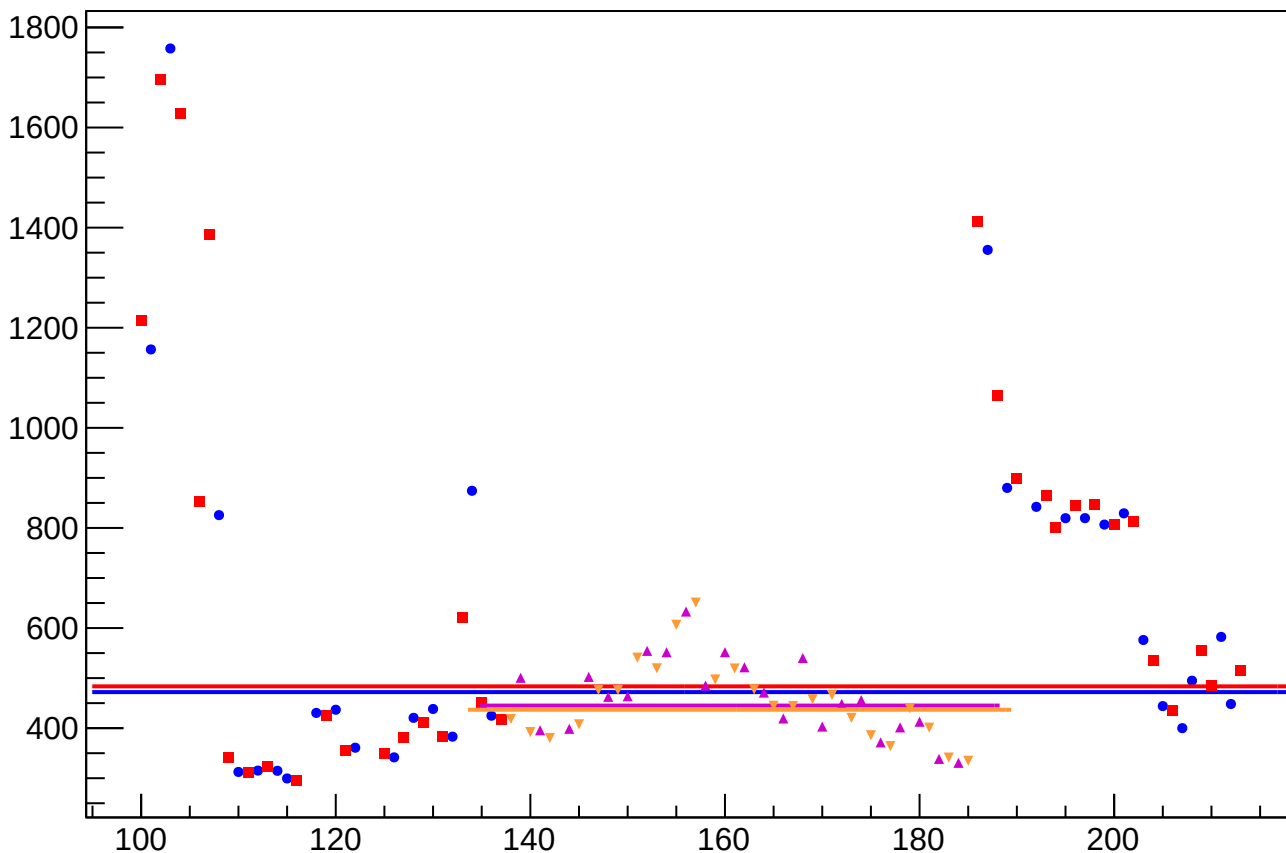
Left In: 26.739 ± 105.420 $\chi^2/\text{NDF}: 27.9/22$

+ sign -304.235 ± 78.598 $\chi^2/\text{NDF}: 87.6/52$

All: -250.339 ± 56.062 $\chi^2/\text{NDF}: 216.6/107$

- sign -194.520 ± 79.988 $\chi^2/\text{NDF}: 128.1/54$

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 472.040+/-0.086 χ^2/NDF : 4444168.6/28

Left Out: 436.787+/-0.073 χ^2/NDF : 855236.5/23

+ sign 451.503+/-0.056 χ^2/NDF : 5397250.3/52

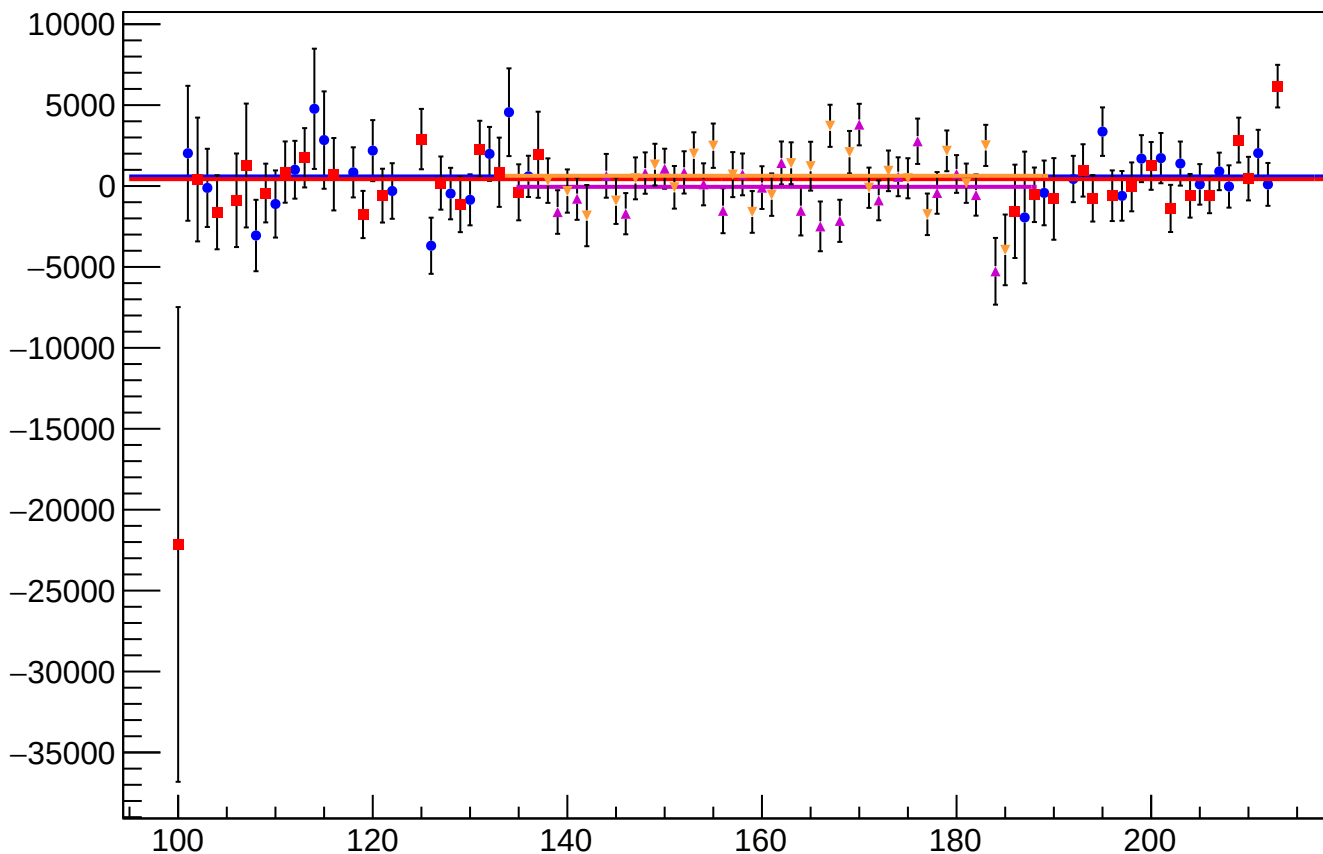
Right Out: 483.510+/-0.087 χ^2/NDF : 5734670.1/31

All: 456.366+/-0.040 χ^2/NDF : 12134671.3/10

- sign 461.402+/-0.057 χ^2/NDF : 6721839.0/54

Left In: 445.108+/-0.075 χ^2/NDF : 874568.8/22

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 591.961 ± 307.793 χ^2/NDF : 24.4/28

Left Out: 632.875 ± 274.060 χ^2/NDF : 30.1/23

Right Out: 425.111 ± 305.968 χ^2/NDF : 38.9/31

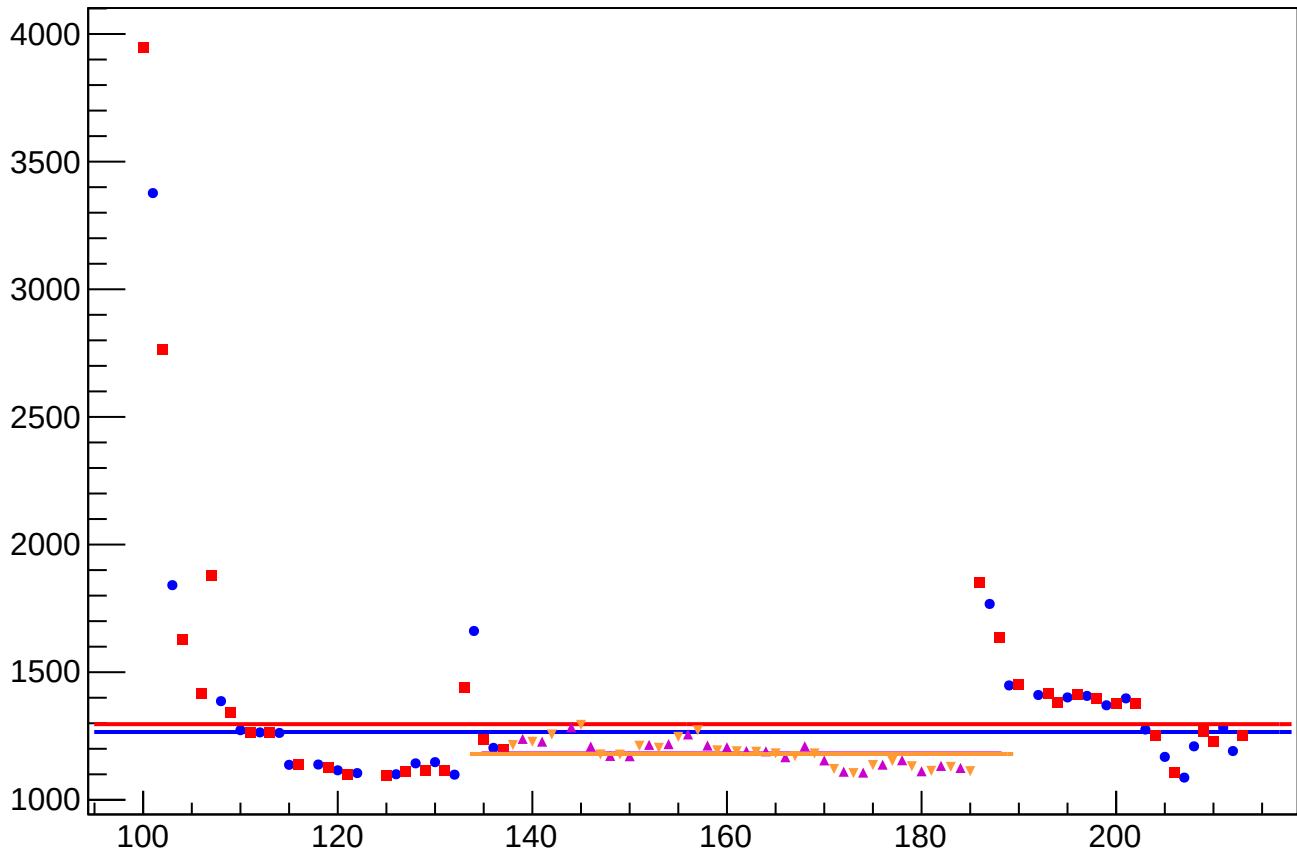
Left In: -50.835 ± 276.213 χ^2/NDF : 35.0/22

+ sign 614.782 ± 204.681 χ^2/NDF : 54.6/52

All: 389.210 ± 144.853 χ^2/NDF : 132.2/107

- sign 162.875 ± 205.027 χ^2/NDF : 75.2/54

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1265.793 $\pm$ 0.218 χ^2 /NDF: 984150.1/28

Left Out: 1179.713 $\pm$ 0.194 χ^2 /NDF: 64667.7/23

Right Out: 1296.490 $\pm$ 0.216 χ^2 /NDF: 909042.2/31

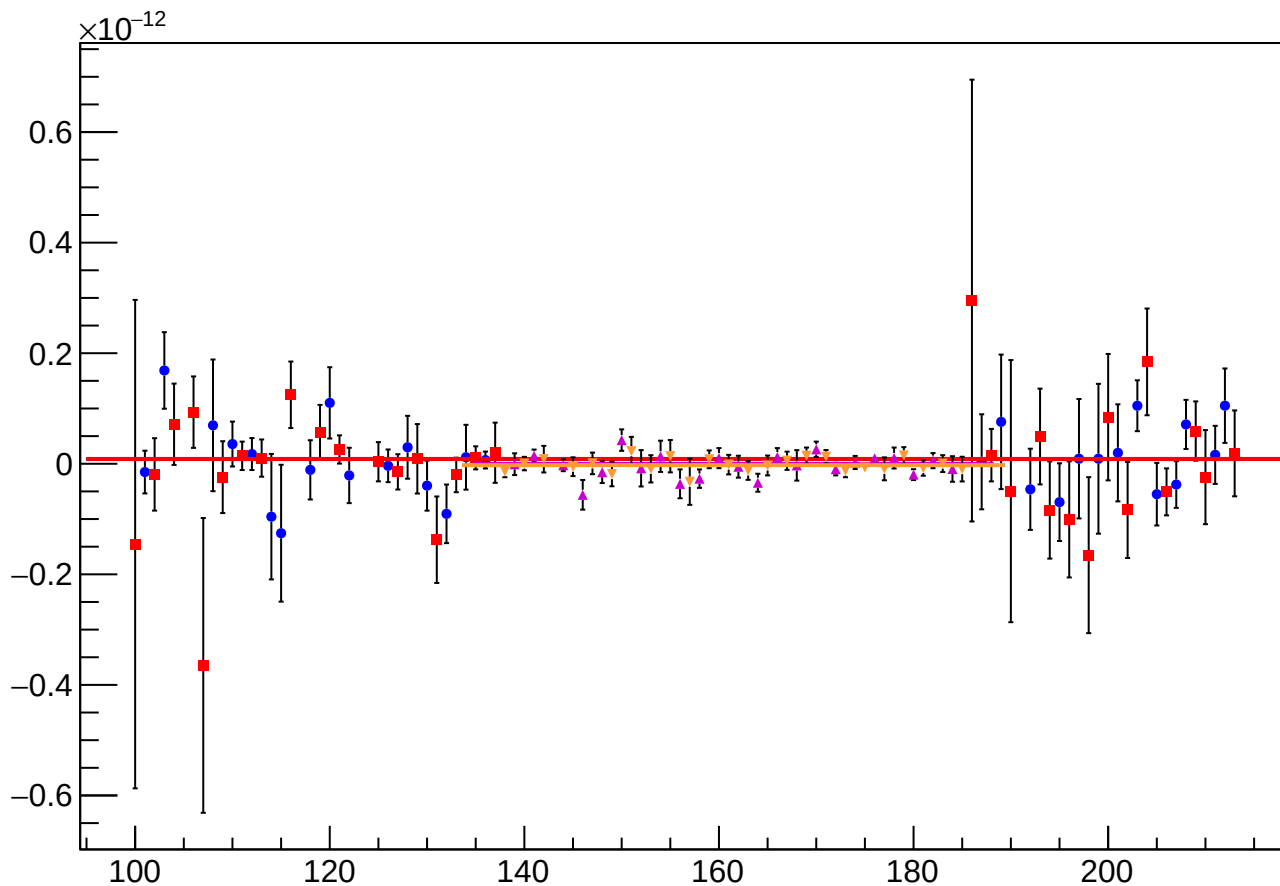
Left In: 1181.929 $\pm$ 0.195 χ^2 /NDF: 60355.9/22

+ sign 1217.779 $\pm$ 0.145 χ^2 /NDF: 1136070.1/52

All: 1225.561 $\pm$ 0.102 χ^2 /NDF: 2265745.4/10

- sign 1233.370 $\pm$ 0.145 χ^2 /NDF: 1123883.5/54

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:10.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/31

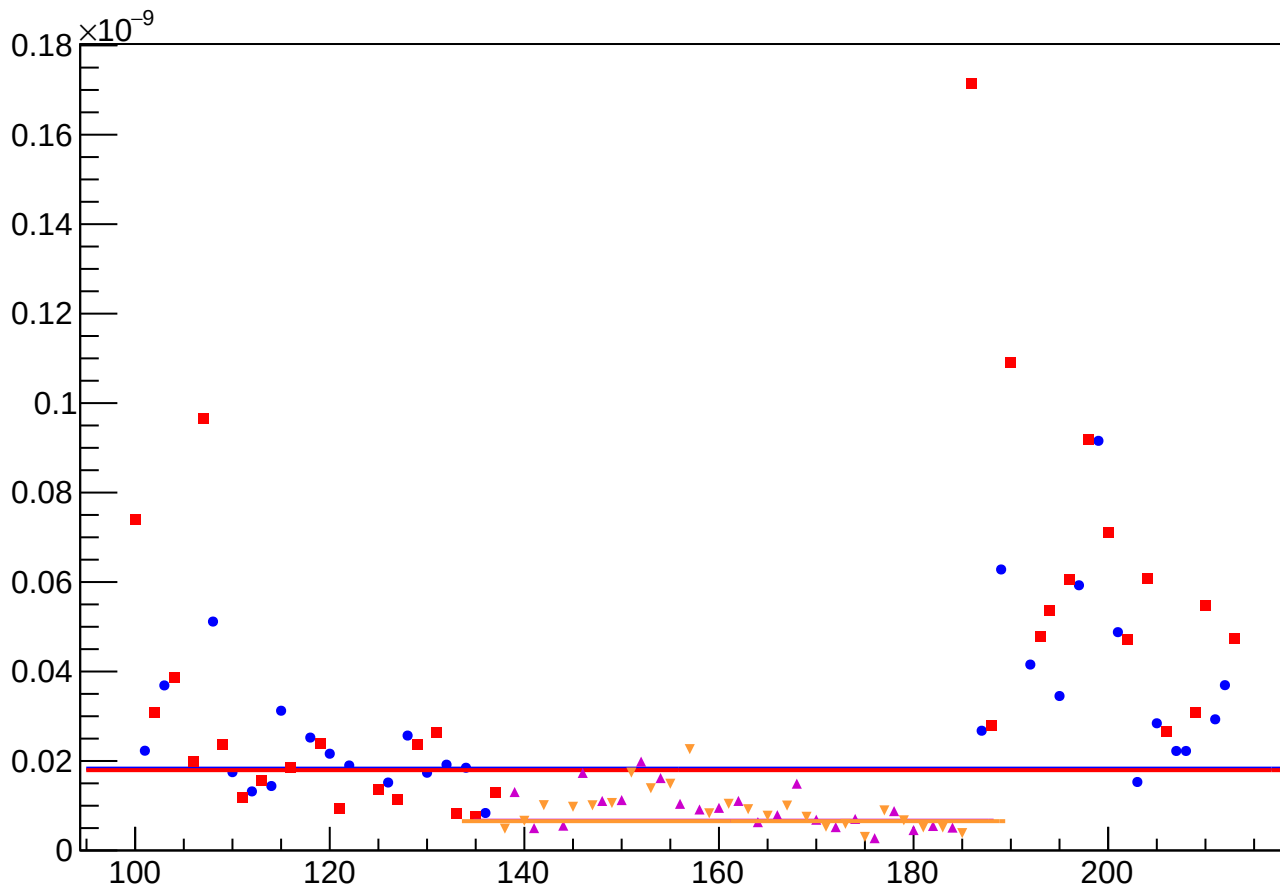
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:32.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 41.5/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 102.8/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.0/54

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 3397061.7/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 2332749.6/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 5750725.7/31

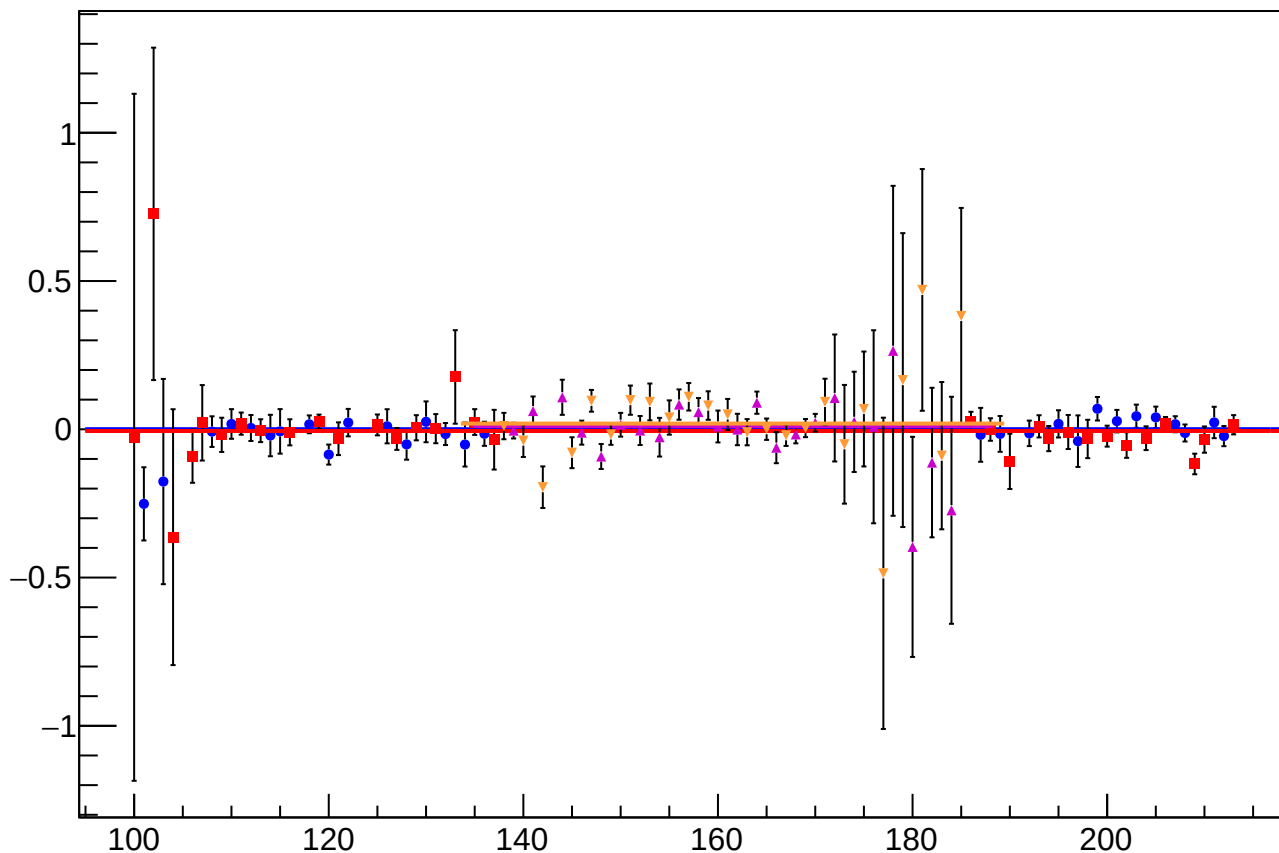
Left In: 0.000 ± 0.000 χ^2/NDF : 2542530.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9162853.8/52

All: 0.000 ± 0.000 χ^2/NDF : 20572178.2/107

- sign 0.000 ± 0.000 χ^2/NDF : 11408758.3/54

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.008 χ^2/NDF : 21.4/28

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.006 ± 0.008 χ^2/NDF : 25.9/31

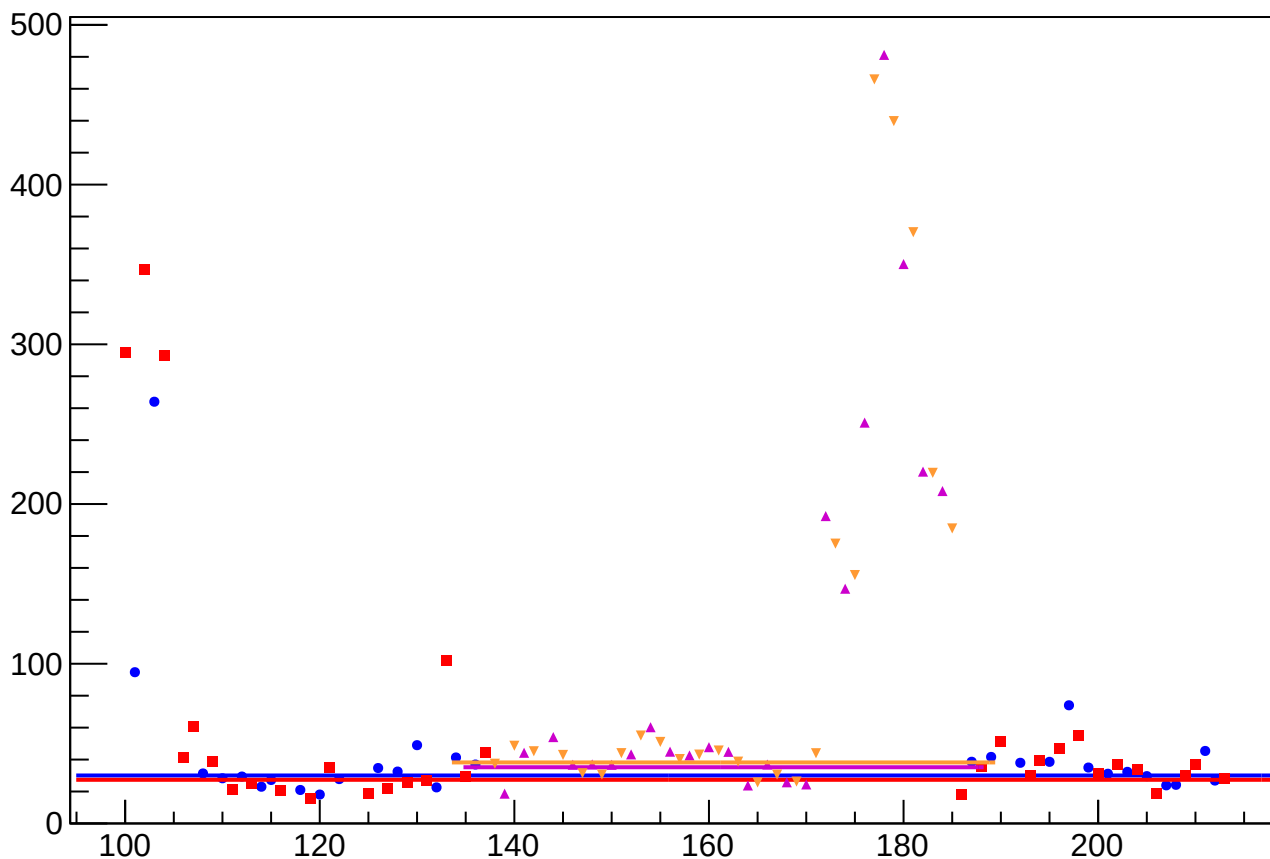
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.007 ± 0.007 χ^2/NDF : 59.3/52

All: 0.003 ± 0.004 χ^2/NDF : 111.0/107

- sign -0.000 ± 0.006 χ^2/NDF : 51.1/54

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.034+/-0.006 χ^2/NDF : 3434390.7/28

Left Out: 38.211+/-0.008 χ^2/NDF : 8285024.8/23

Right Out: 27.333+/-0.005 χ^2/NDF : 4820832.4/31

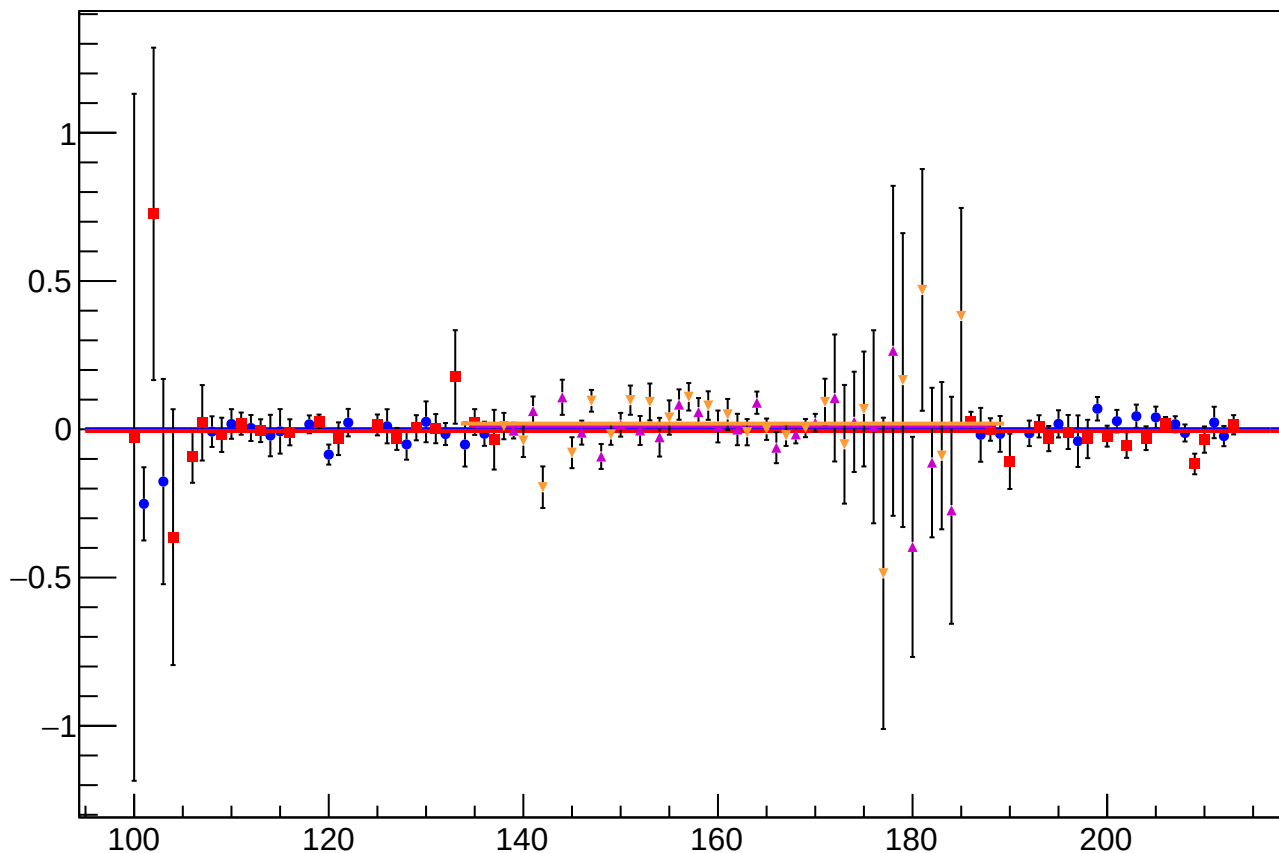
Left In: 35.195+/-0.007 χ^2/NDF : 9390926.6/22

+ sign 33.045+/-0.005 χ^2/NDF : 12442676.1/52

All: 31.452+/-0.003 χ^2/NDF : 27636627.5/107

- sign 30.086+/-0.004 χ^2/NDF : 14974631.5/54

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.008 χ^2/NDF : 21.4/28

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.006 ± 0.008 χ^2/NDF : 25.9/31

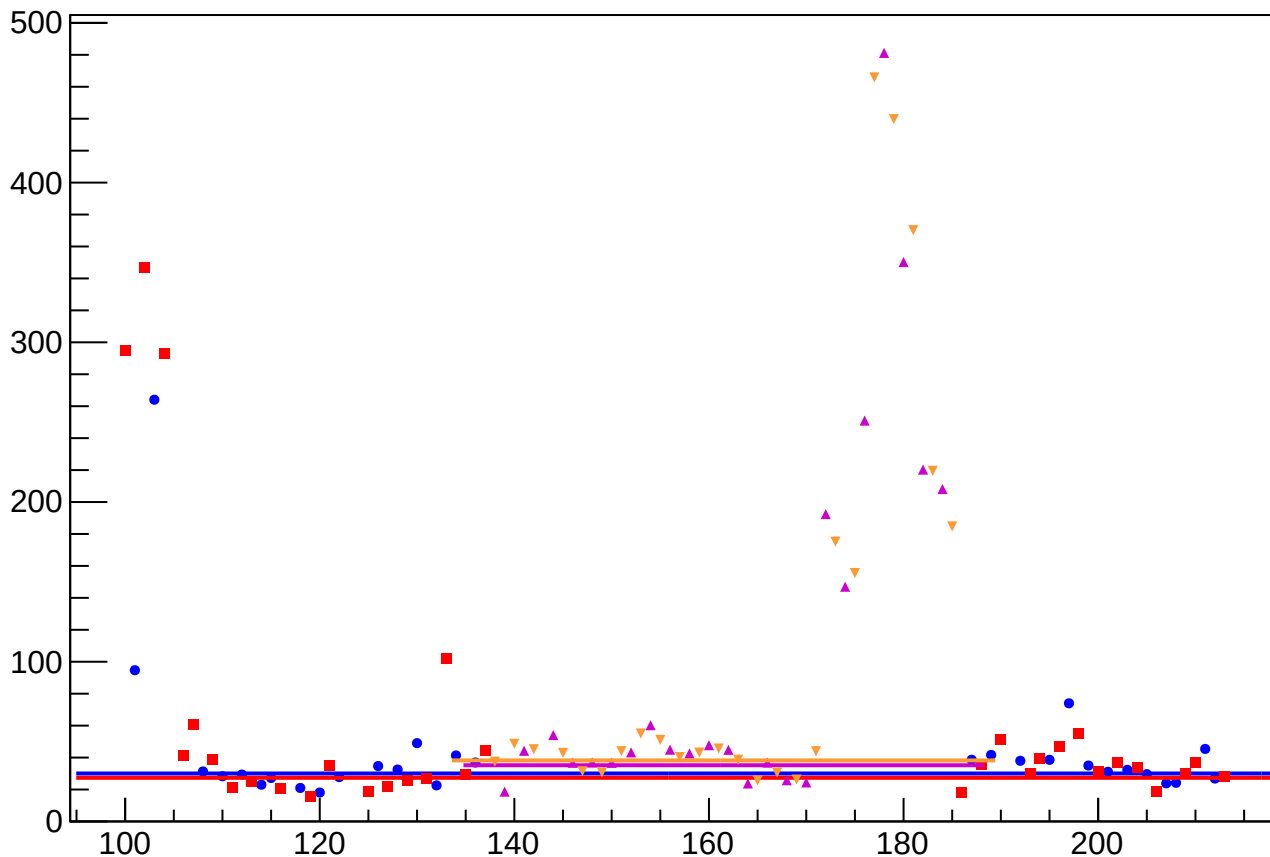
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.007 ± 0.007 χ^2/NDF : 59.3/52

All: 0.003 ± 0.004 χ^2/NDF : 111.0/107

- sign -0.000 ± 0.006 χ^2/NDF : 51.1/54

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.034+/-0.006 χ^2/NDF : 3434390.7/28

Left Out: 38.211+/-0.008 χ^2/NDF : 8285024.8/23

Right Out: 27.333+/-0.005 χ^2/NDF : 4820832.4/31

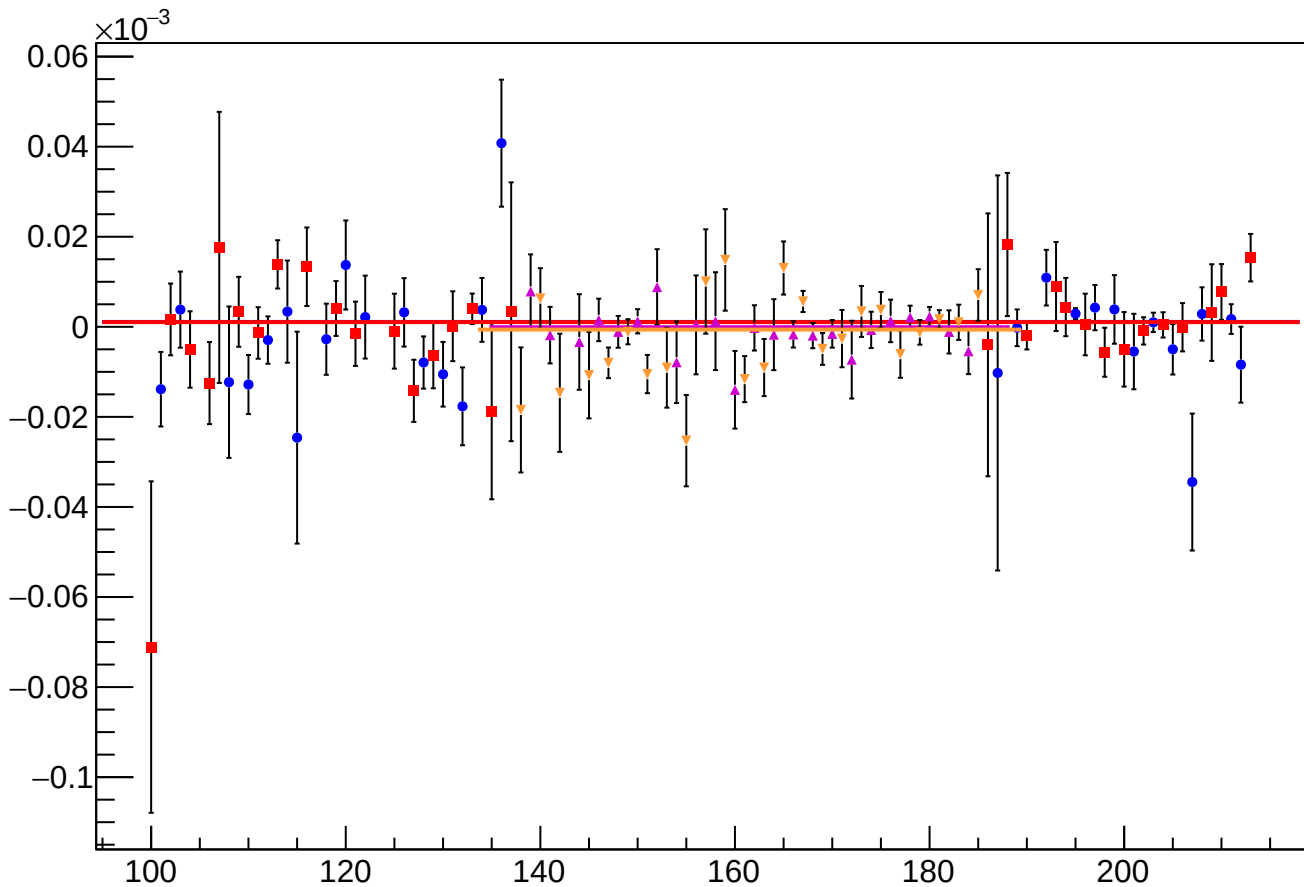
Left In: 35.195+/-0.007 χ^2/NDF : 9390926.6/22

+ sign 33.045+/-0.005 χ^2/NDF : 12442676.1/52

All: 31.452+/-0.003 χ^2/NDF : 27636627.5/107

- sign 30.086+/-0.004 χ^2/NDF : 14974631.5/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 44.2/28$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 51.2/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 37.2/31$

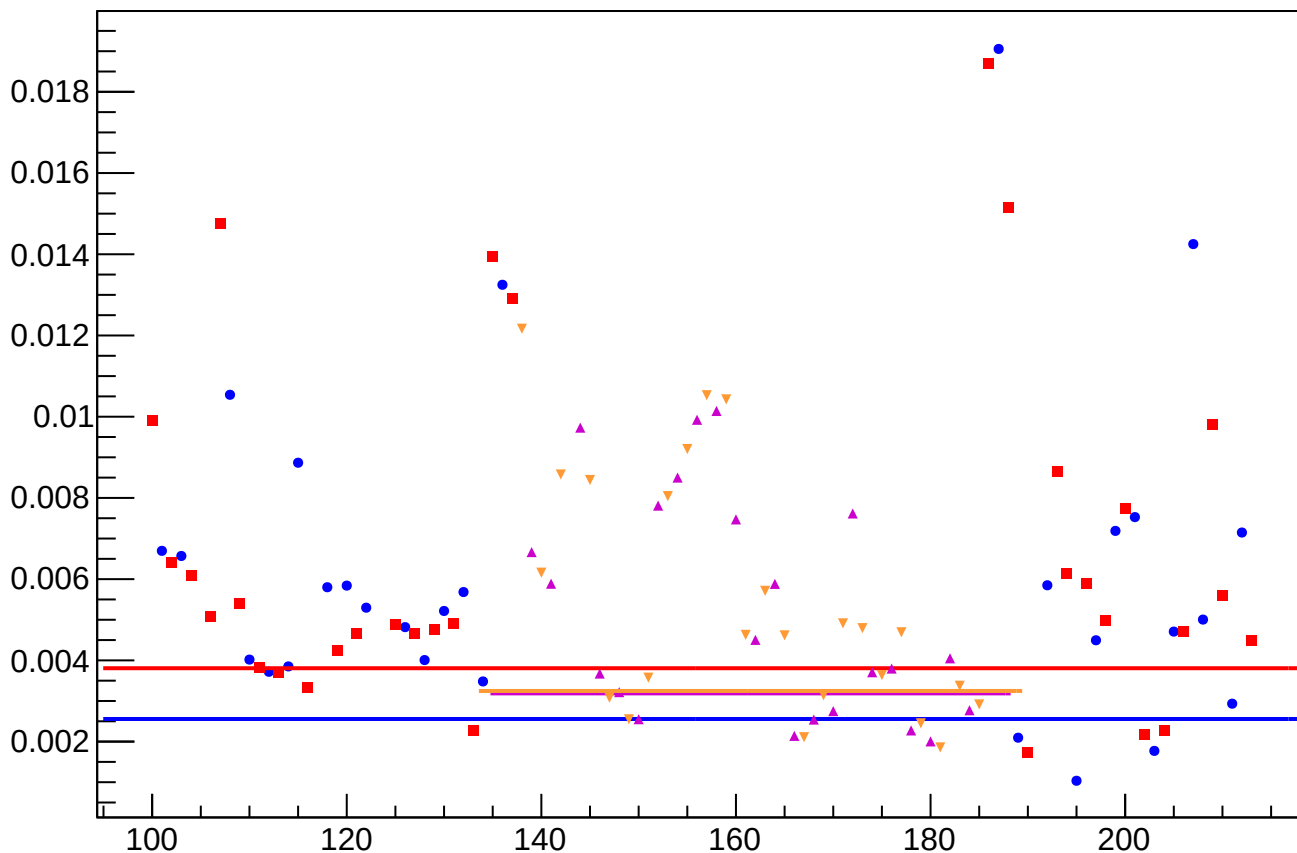
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 11.0/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 97.4/52$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 146.3/107$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 48.9/54$

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 12960600.2/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7736973.1/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 8098185.8/31

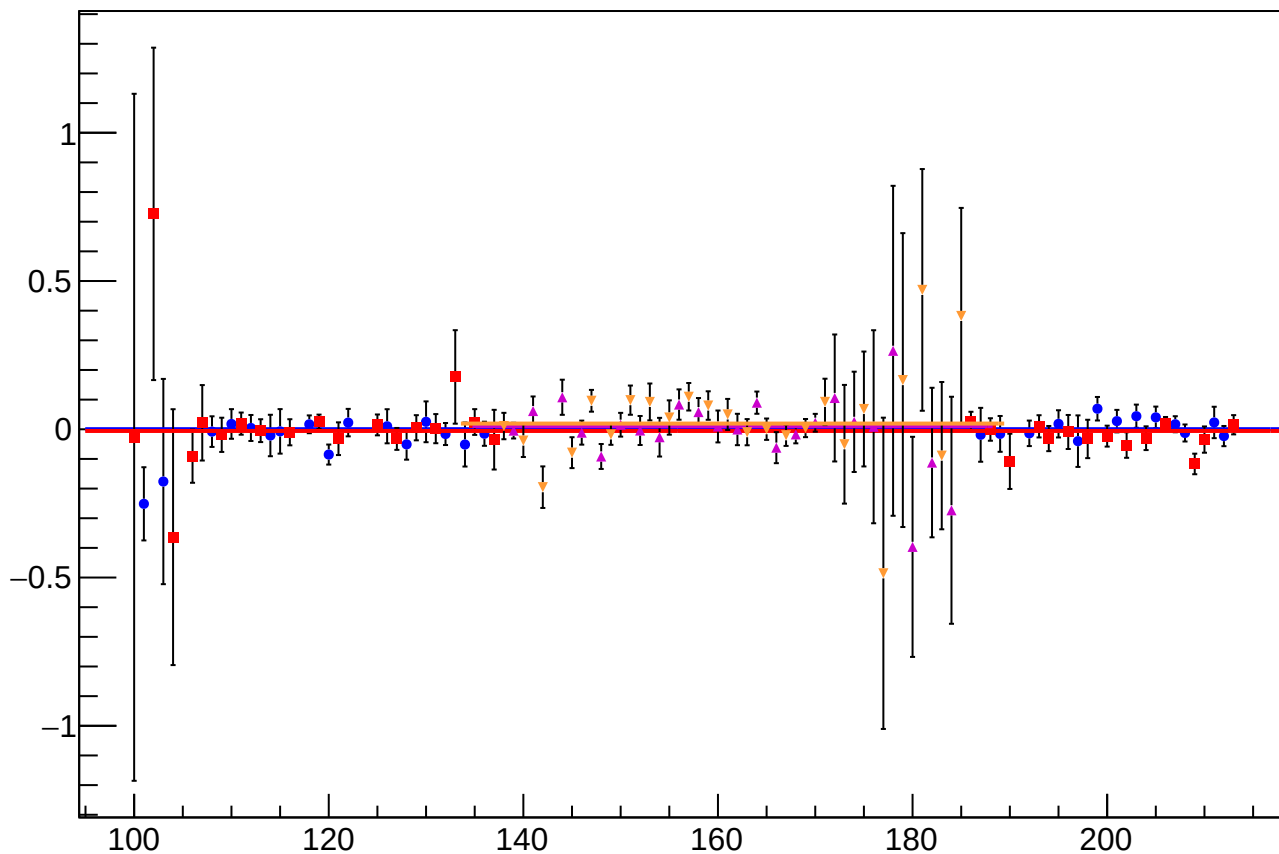
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7301771.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 21361210.1/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 37927592.0/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 15814731.8/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.008 χ^2/NDF : 21.4/28

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.006 ± 0.008 χ^2/NDF : 25.9/31

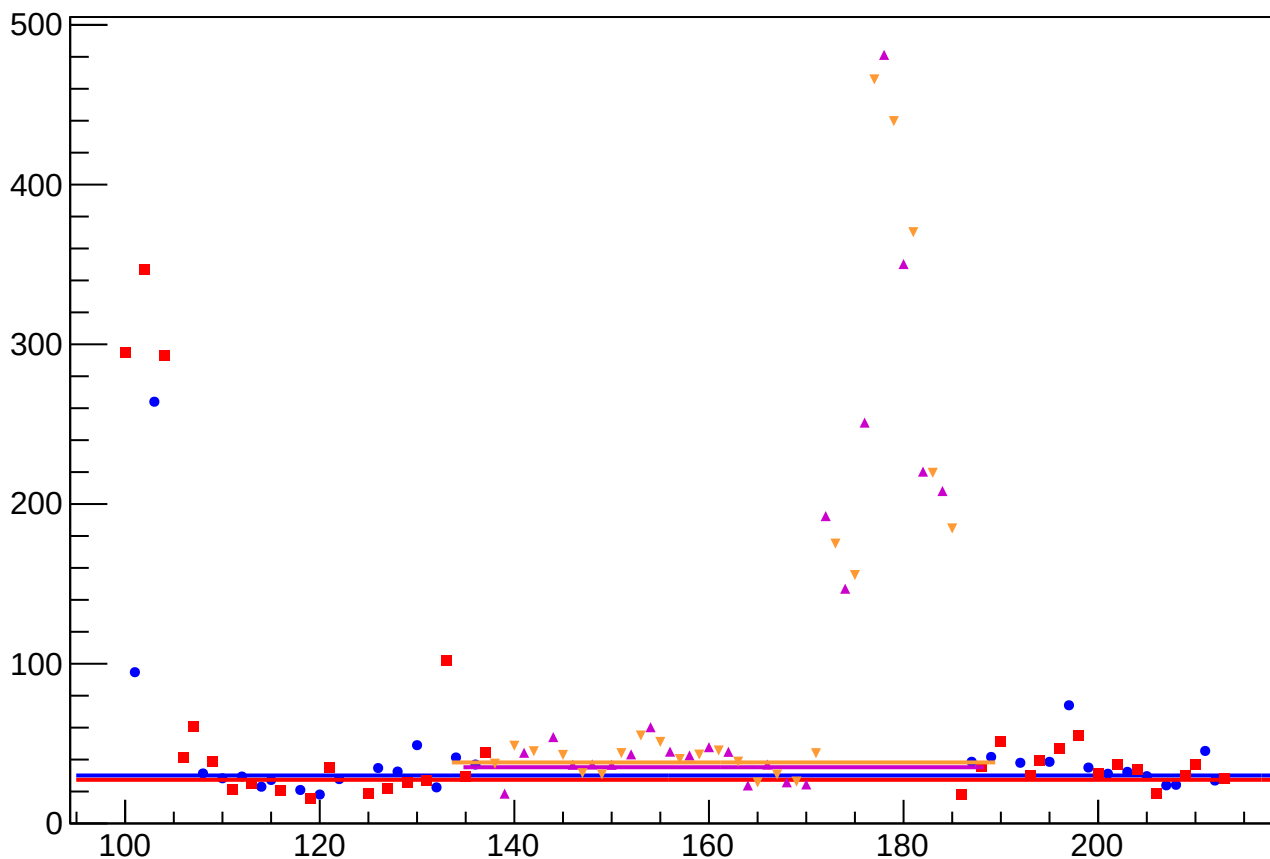
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.007 ± 0.007 χ^2/NDF : 59.3/52

All: 0.003 ± 0.004 χ^2/NDF : 111.0/107

- sign -0.000 ± 0.006 χ^2/NDF : 51.1/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.033+/-0.006 χ^2/NDF : 3434571.8/28

Left Out: 38.210+/-0.008 χ^2/NDF : 8285200.7/23

Right Out: 27.331+/-0.005 χ^2/NDF : 4821099.6/31

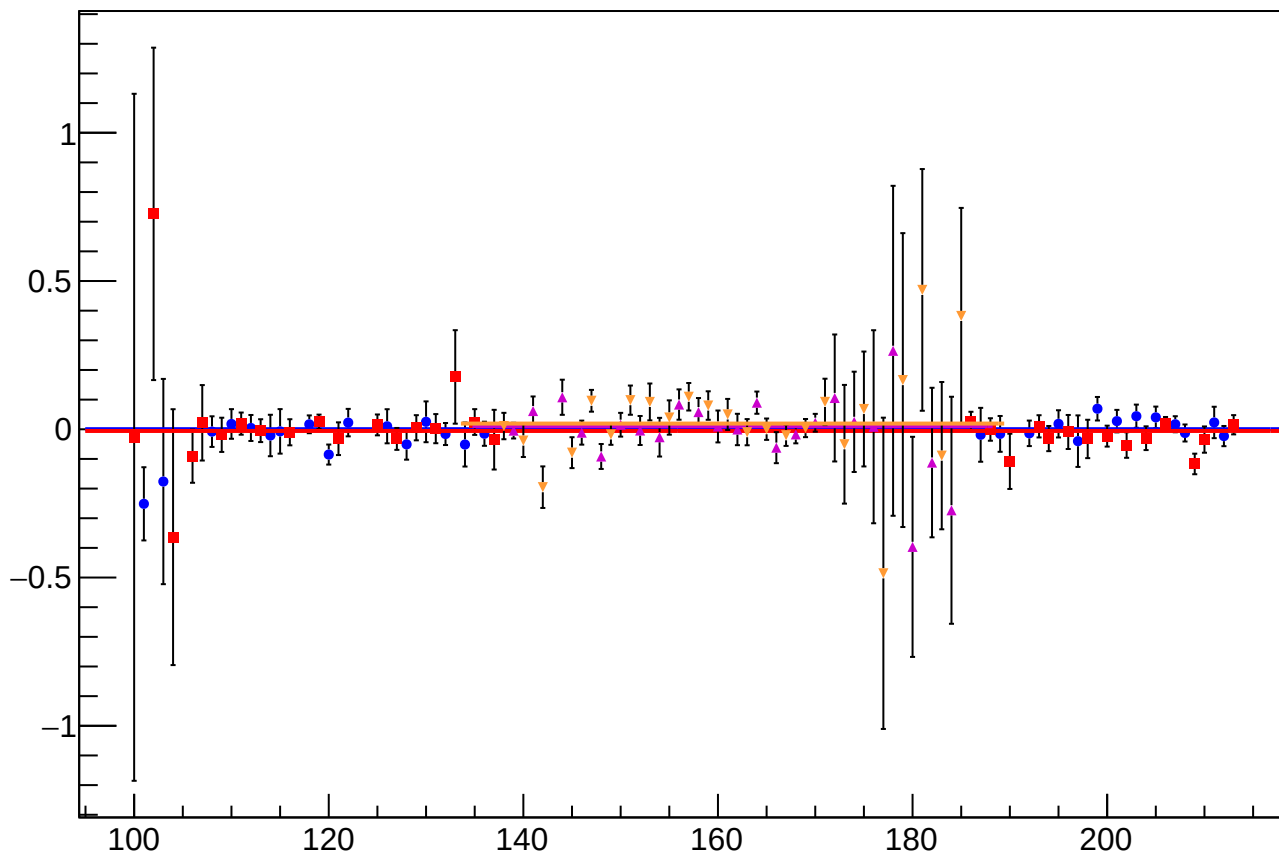
Left In: 35.195+/-0.007 χ^2/NDF : 9391361.4/22

+ sign 33.045+/-0.005 χ^2/NDF : 12443111.7/52

All: 31.451+/-0.003 χ^2/NDF : 27638086.4/107

- sign 30.084+/-0.004 χ^2/NDF : 14975569.2/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.008 χ^2/NDF : 21.4/28

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: -0.006 ± 0.008 χ^2/NDF : 25.9/31

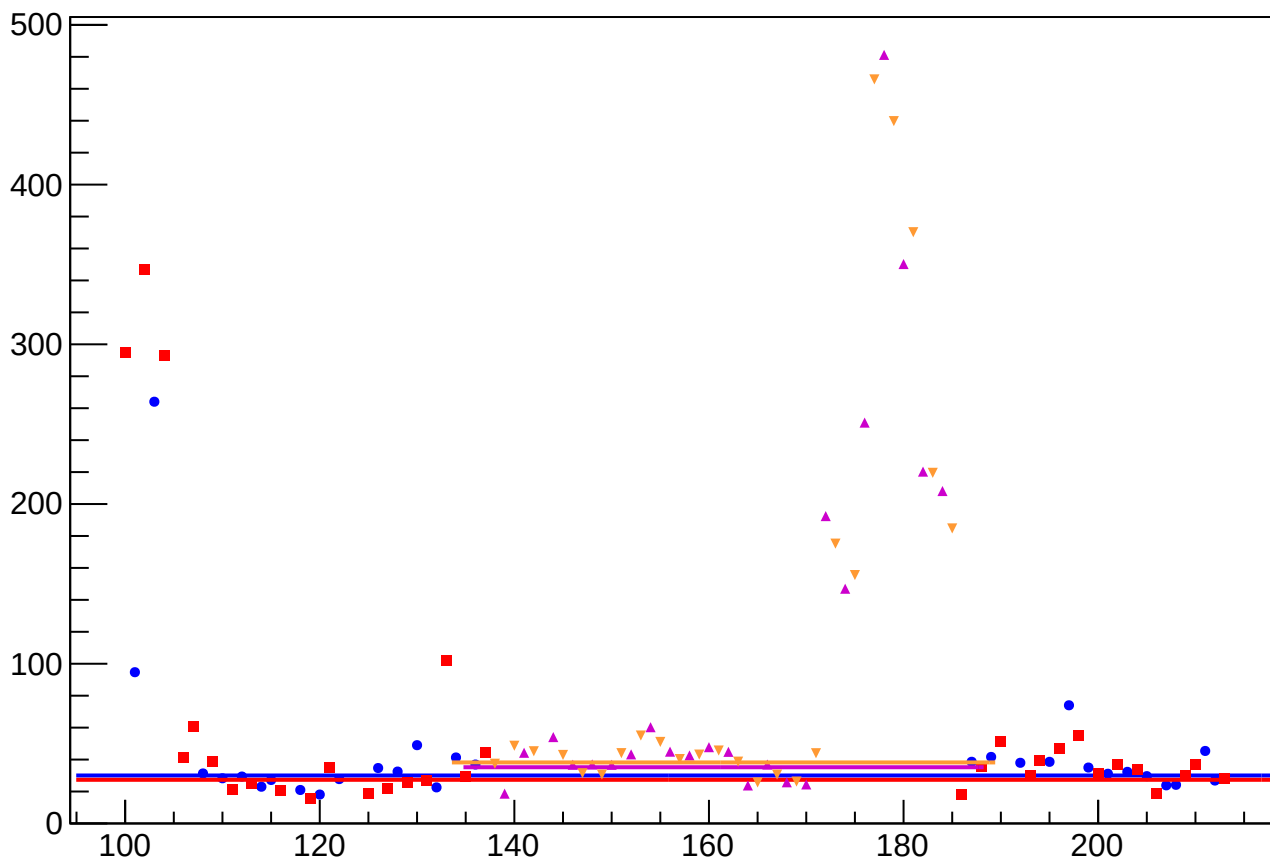
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.007 ± 0.007 χ^2/NDF : 59.3/52

All: 0.003 ± 0.004 χ^2/NDF : 111.0/107

- sign -0.000 ± 0.006 χ^2/NDF : 51.1/54

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.033+/-0.006 χ^2/NDF : 3434571.8/28

Left Out: 38.210+/-0.008 χ^2/NDF : 8285200.7/23

Right Out: 27.331+/-0.005 χ^2/NDF : 4821099.6/31

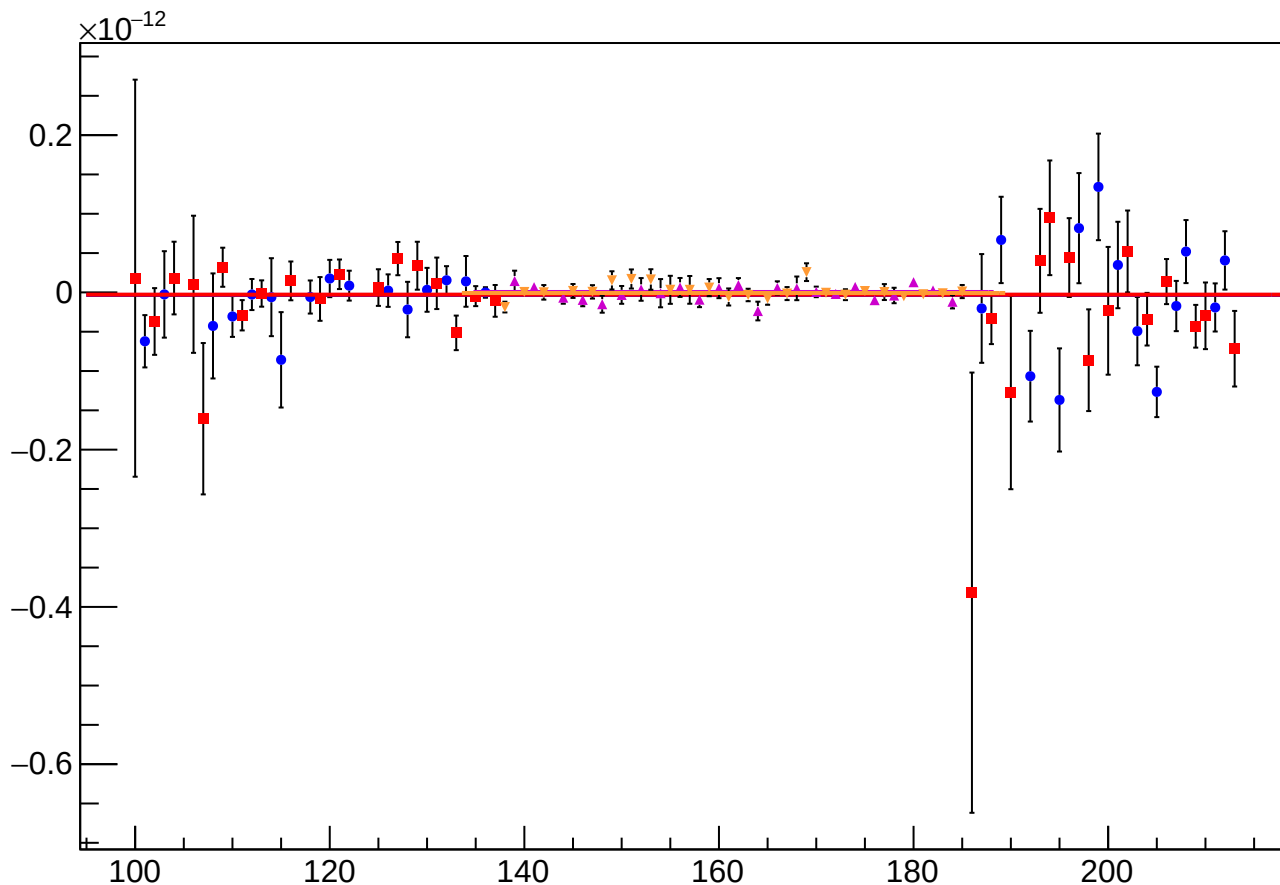
Left In: 35.195+/-0.007 χ^2/NDF : 9391361.4/22

+ sign 33.045+/-0.005 χ^2/NDF : 12443111.7/52

All: 31.451+/-0.003 χ^2/NDF : 27638086.4/107

- sign 30.084+/-0.004 χ^2/NDF : 14975569.2/54

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 44.4/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.9/31

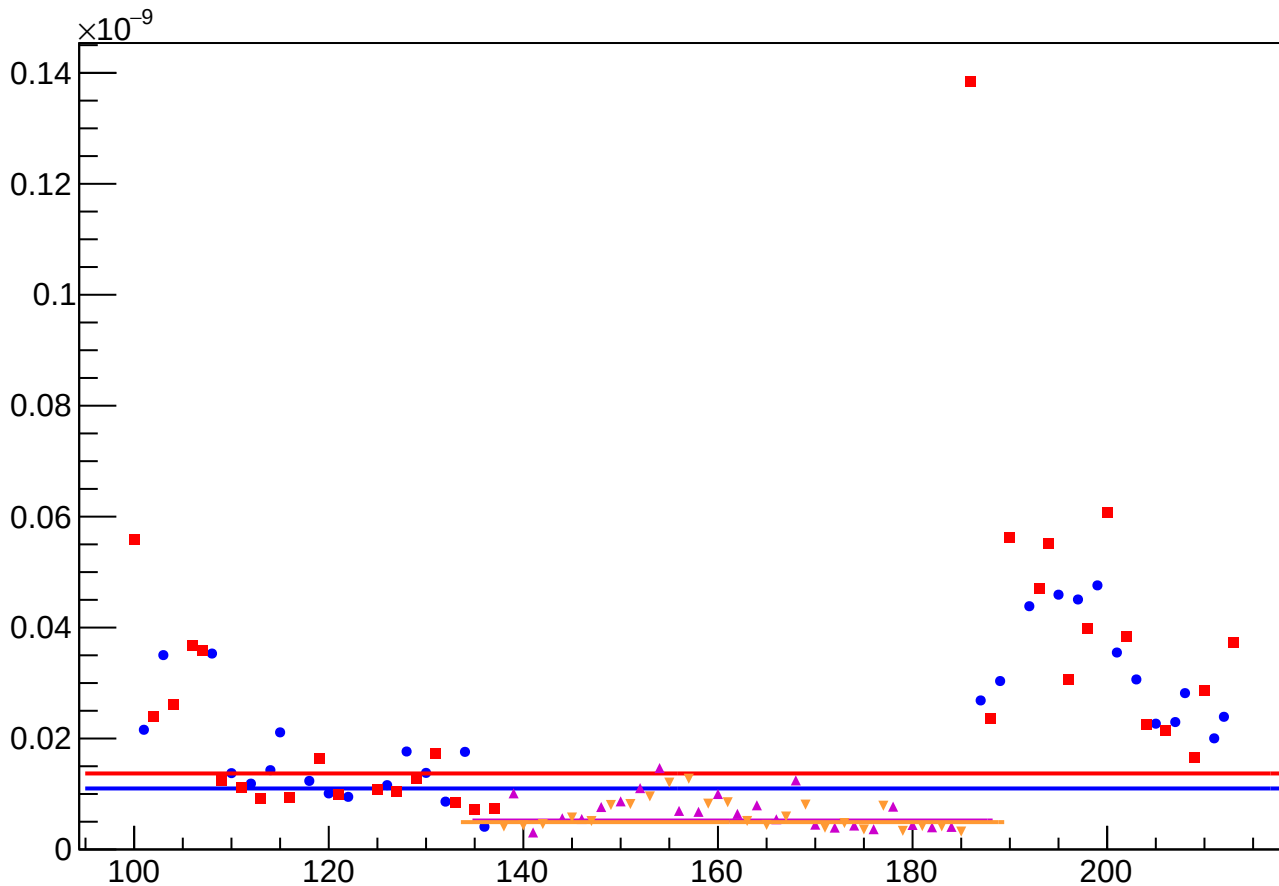
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 65.8/52

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 129.6/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.5/54

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8068493.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2632036.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6528695.0/31

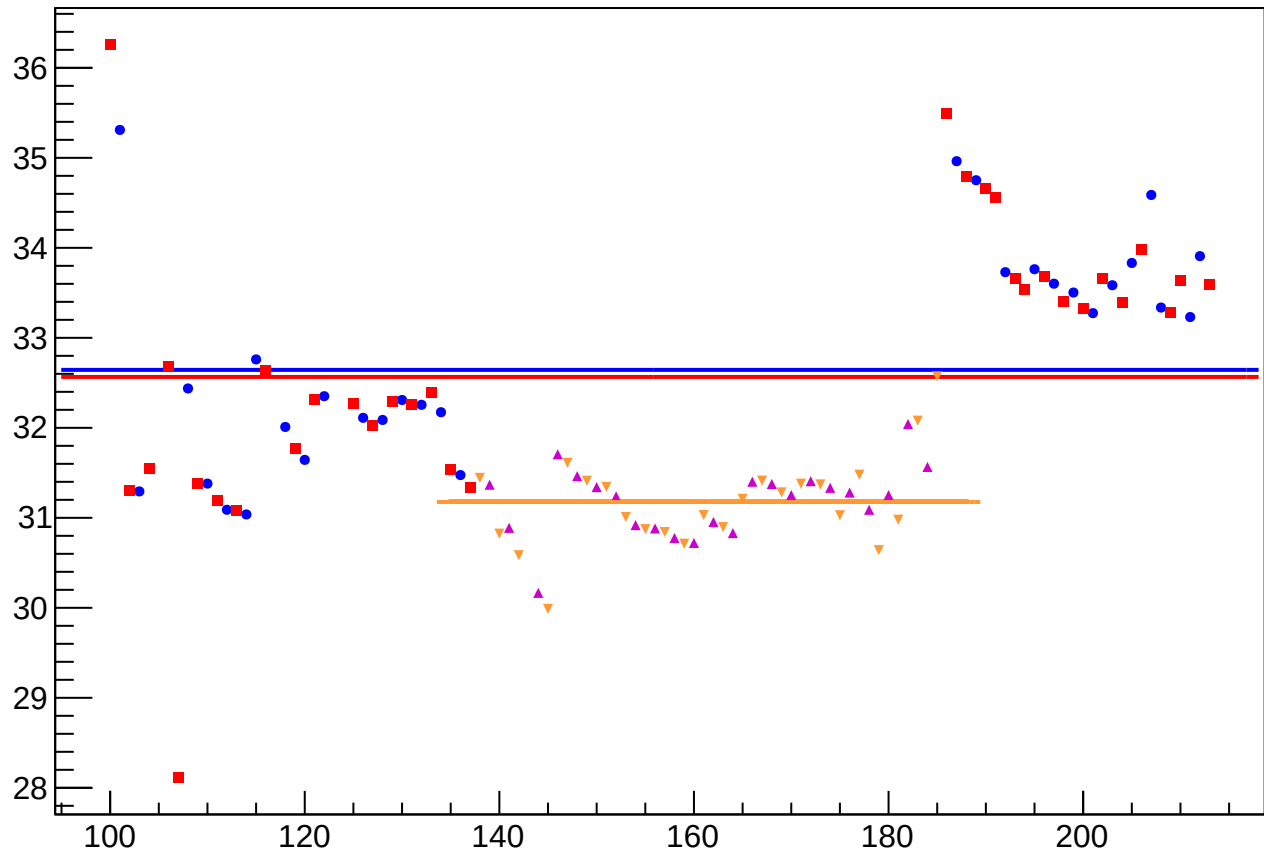
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3449719.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14005087.0/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29105410.2/107

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15024887.7/54

yield_usl_mean vs Slug



Right In: 32.644+/-0.000 χ^2 /NDF: 2410680311.9/28

Left Out: 31.176+/-0.000 χ^2 /NDF: 529824418.6/23

Right Out: 32.565+/-0.000 χ^2 /NDF: 2272238488.9/32

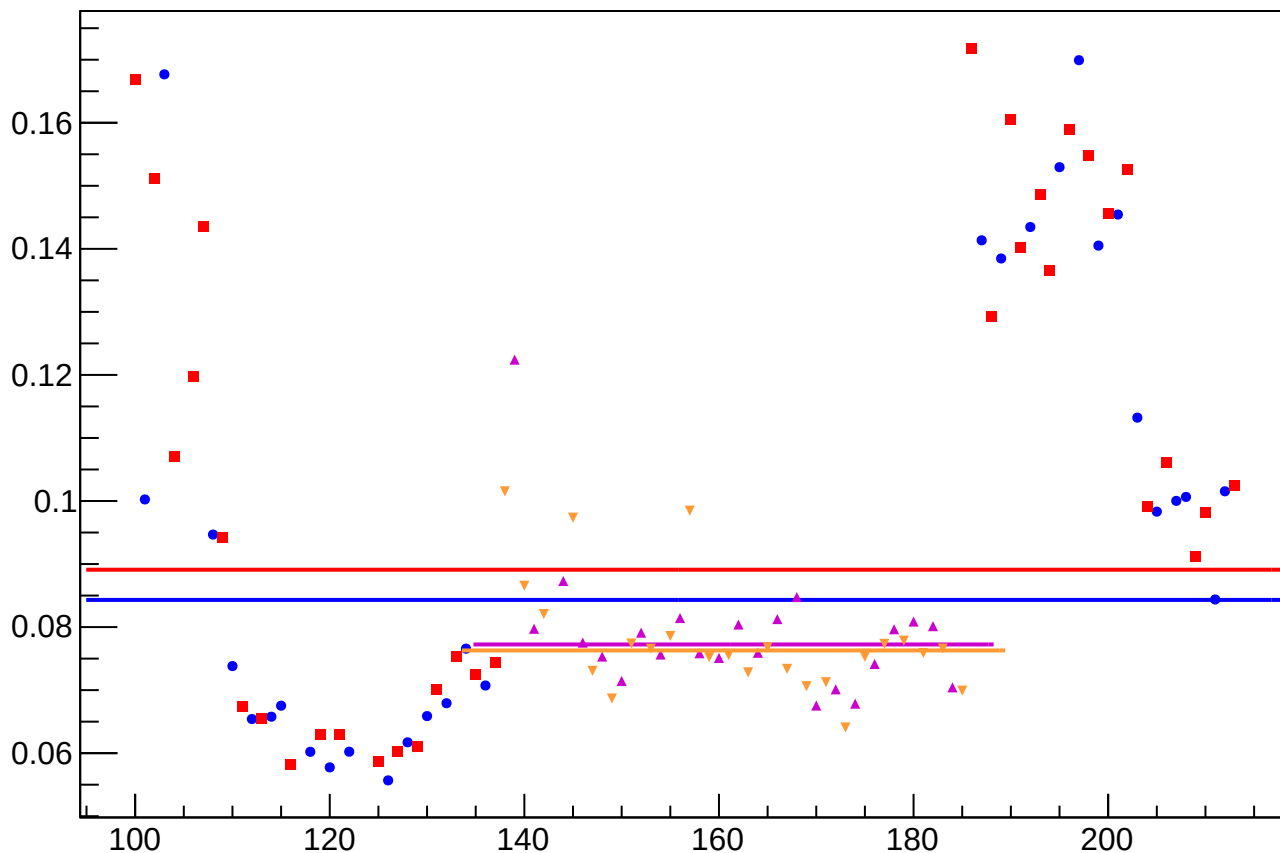
Left In: 31.181+/-0.000 χ^2 /NDF: 376263410.1/22

+ sign 31.789+/-0.000 χ^2 /NDF: 5531303188.7/52

All: 31.775+/-0.000 χ^2 /NDF: 10403462639.8

- sign 31.760+/-0.000 χ^2 /NDF: 4870122187.0/55

yield_usl_rms vs Slug



Right In: 0.084 $\pm$ 0.000 χ^2 /NDF: 3491389.4/28

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:356697.3/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 3988023.3/32

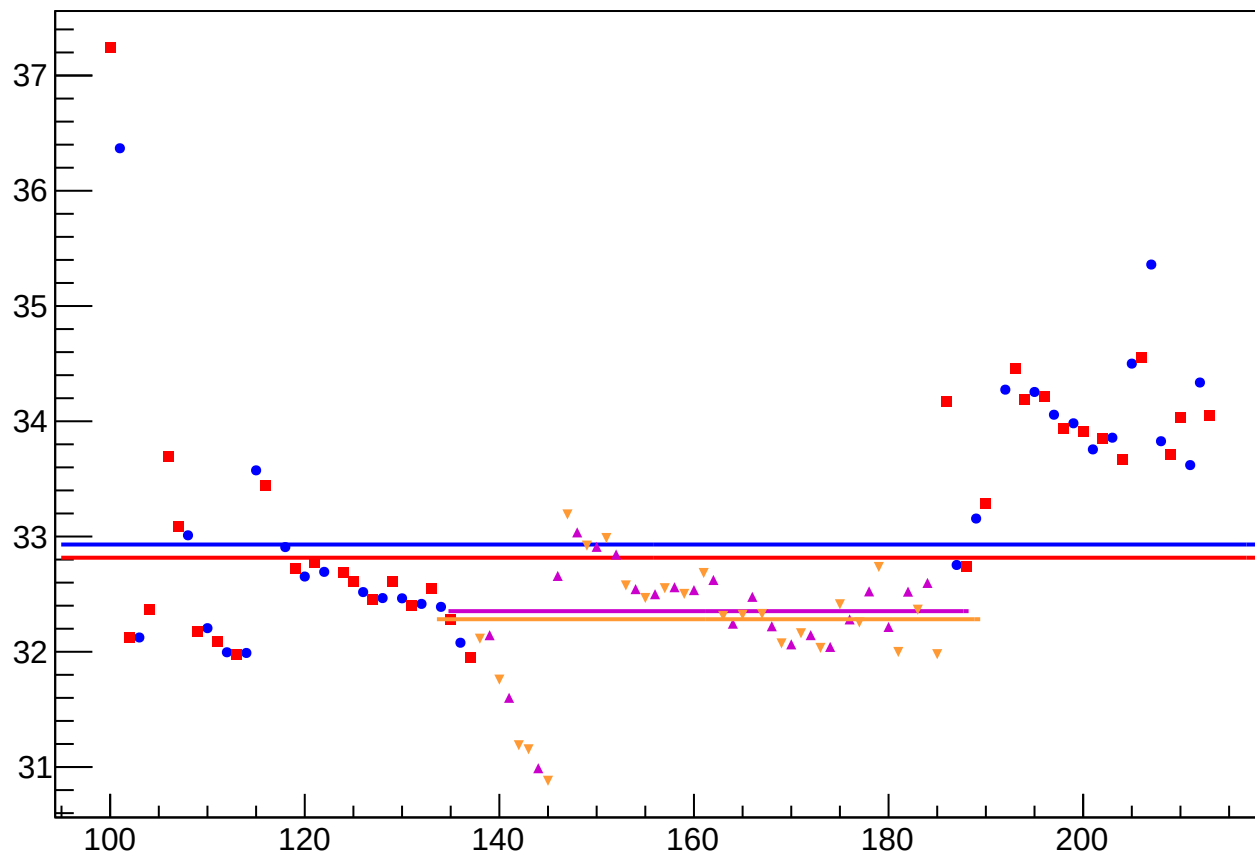
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:365206.5/22

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 4002589.6/52

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 8713435.1/108

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4679007.4/55

yield_usr_mean vs Slug



Right In: 32.931 $\pm$ 0.000 χ^2 /NDF: 1189553338.6/28

Left Out: 32.282 $\pm$ 0.000 χ^2 /NDF: 838959313.2/24

Right Out: 32.816 $\pm$ 0.000 χ^2 /NDF: 612860184.7/32

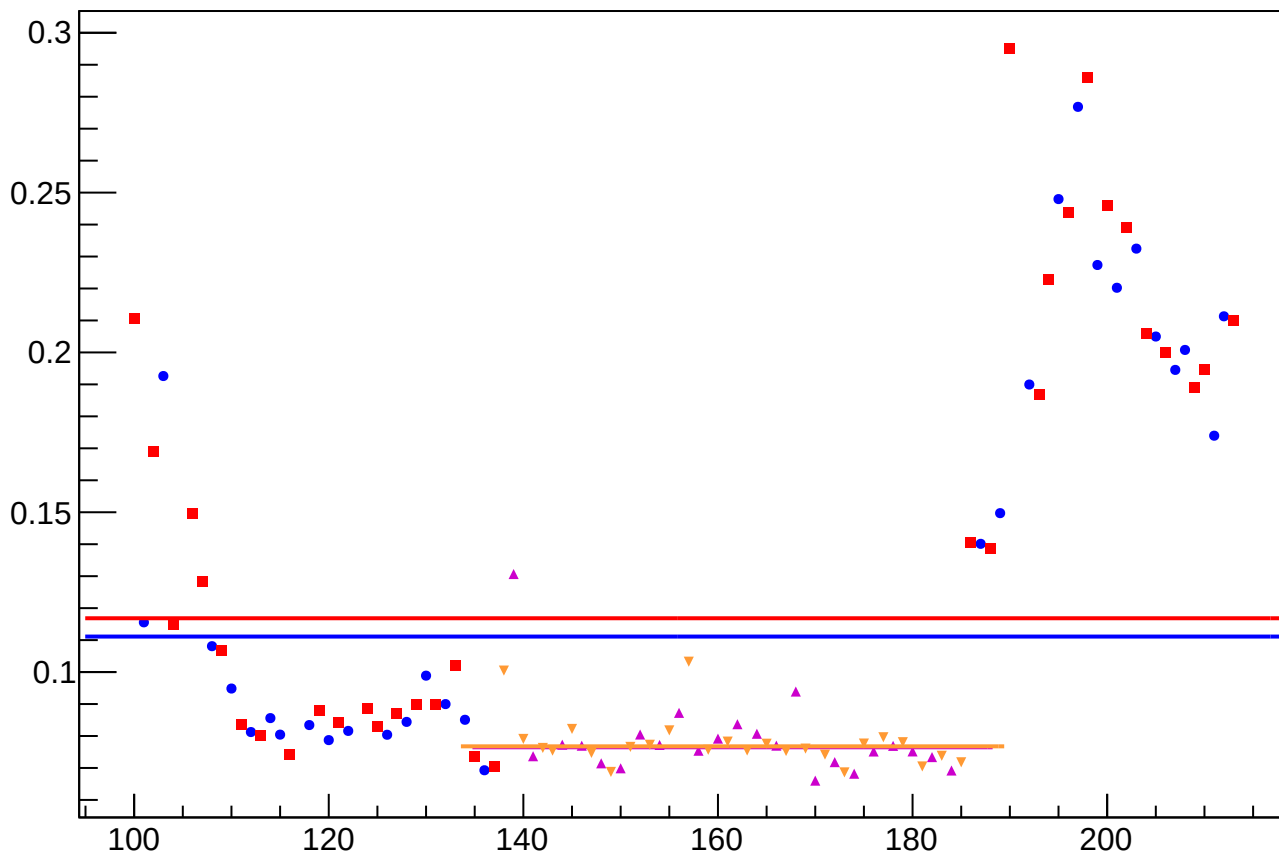
Left In: 32.353 $\pm$ 0.000 χ^2 /NDF: 589893462.0/22

+ sign 32.454 $\pm$ 0.000 χ^2 /NDF: 2361343518.2/53

All: 32.465 $\pm$ 0.000 χ^2 /NDF: 3731732594.0/100

- sign 32.477 $\pm$ 0.000 χ^2 /NDF: 1369259594.6/55

yield_usr_rms vs Slug



Right In: 0.111+/-0.000 χ^2/NDF : 5925391.5/28

Left Out: 0.077+/-0.000 χ^2/NDF :250795.7/24

Right Out: 0.117+/-0.000 χ^2/NDF : 6036615.4/32

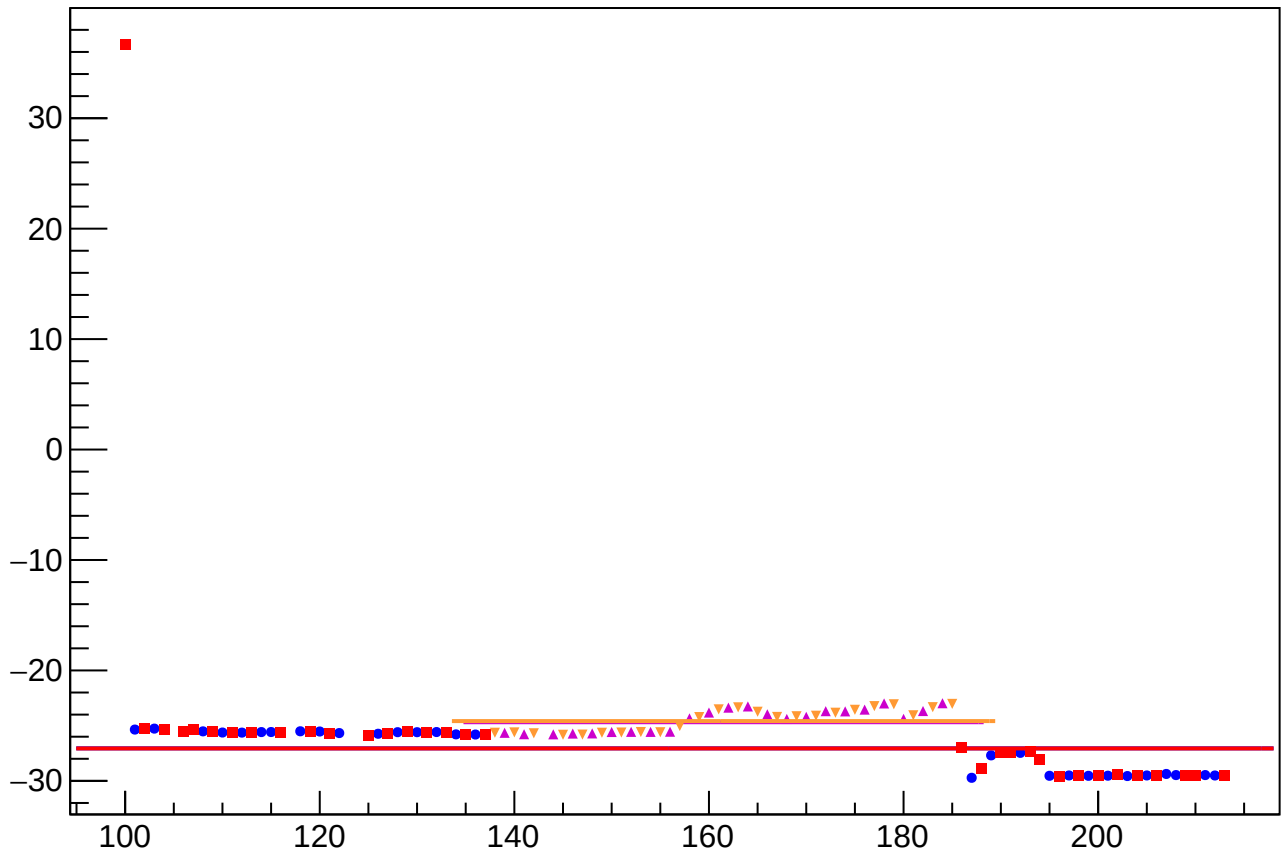
Left In: 0.076+/-0.000 χ^2/NDF :482593.3/22

+ sign 0.086+/-0.000 χ^2/NDF : 8044258.5/53

All: 0.087+/-0.000 χ^2/NDF : 17096709.8/109

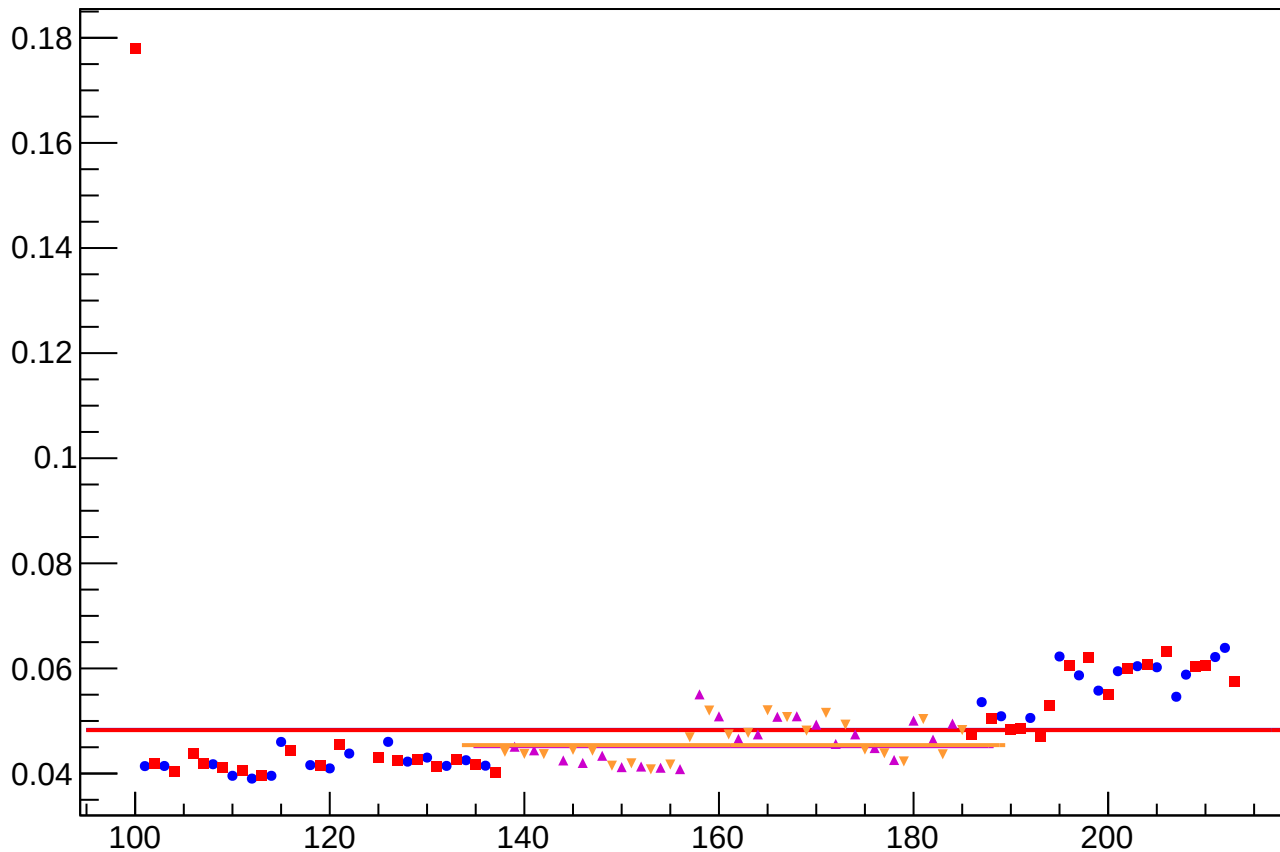
- sign 0.087+/-0.000 χ^2/NDF : 9043480.9/55

yield_dsl_mean vs Slug



Right In: -27.055+/-0.000 χ^2/NDF : 23396914554.6/28
 Left Out: -24.587+/-0.000 χ^2/NDF : 9182387434.6/23
 Right Out: -27.063+/-0.000 χ^2/NDF : 32501453225.3/32
 Left In: -24.689+/-0.000 χ^2/NDF : 8820957974.3/22
 + sign -25.689+/-0.000 χ^2/NDF : 56328117980.6/52
 All: -25.746+/-0.000 χ^2/NDF : 120744270723
 - sign -25.800+/-0.000 χ^2/NDF : 64317561146.0/55

yield_dsl_rms vs Slug



Right In: 0.048 $\pm$ 0.000 χ^2 /NDF: 975110.1/28

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 205535.7/23

Right Out: 0.048 $\pm$ 0.000 χ^2 /NDF: 1036042.9/32

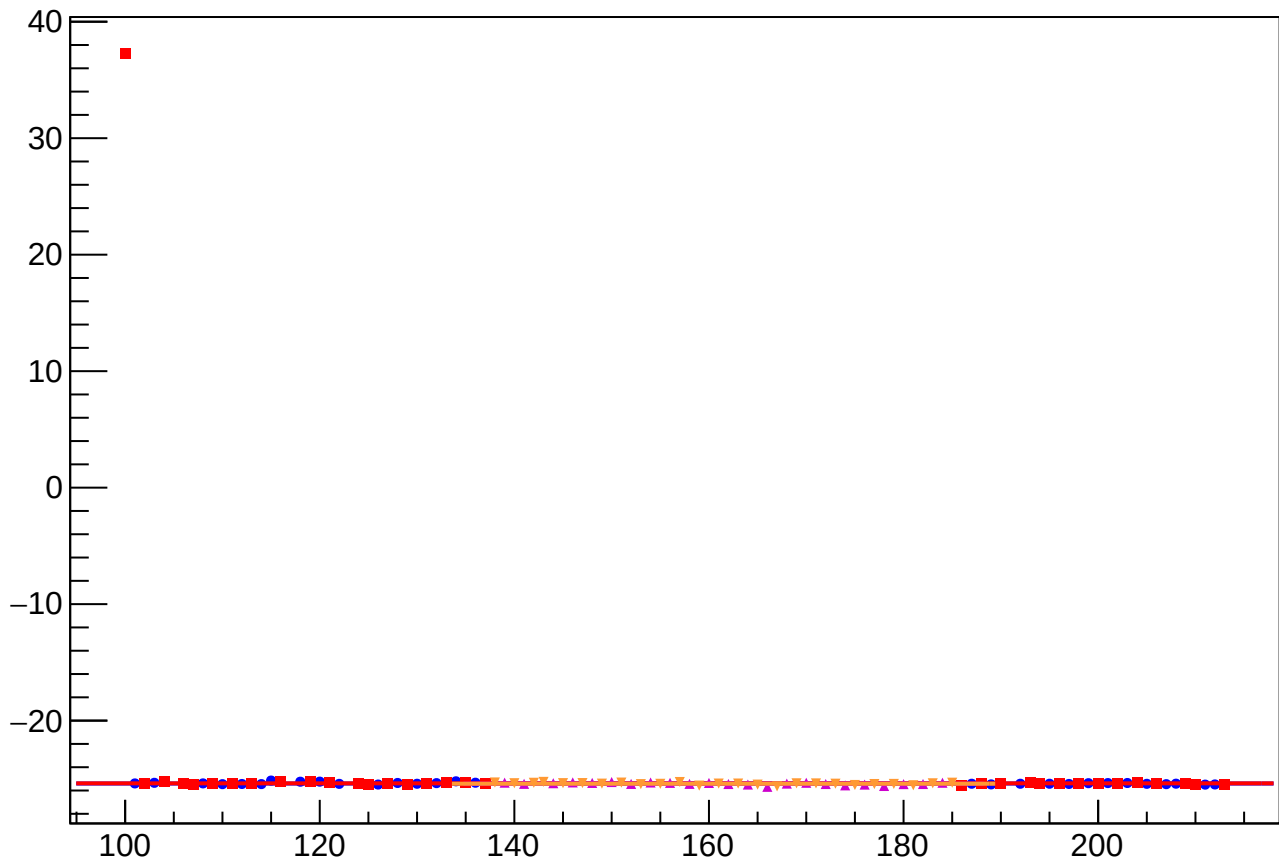
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 244675.5/22

+ sign 0.047 $\pm$ 0.000 χ^2 /NDF: 1246307.0/52

All: 0.047 $\pm$ 0.000 χ^2 /NDF: 2603268.7/108

- sign 0.047 $\pm$ 0.000 χ^2 /NDF: 1356891.3/55

yield_dsr_mean vs Slug



Right In: -25.402 ± 0.000 $\chi^2/\text{NDF}: 26714653.7/28$

Left Out: -25.417 ± 0.000 $\chi^2/\text{NDF}: 52213098.9/24$

Right Out: -25.385 ± 0.000 $\chi^2/\text{NDF}: 6345466680.6/32$

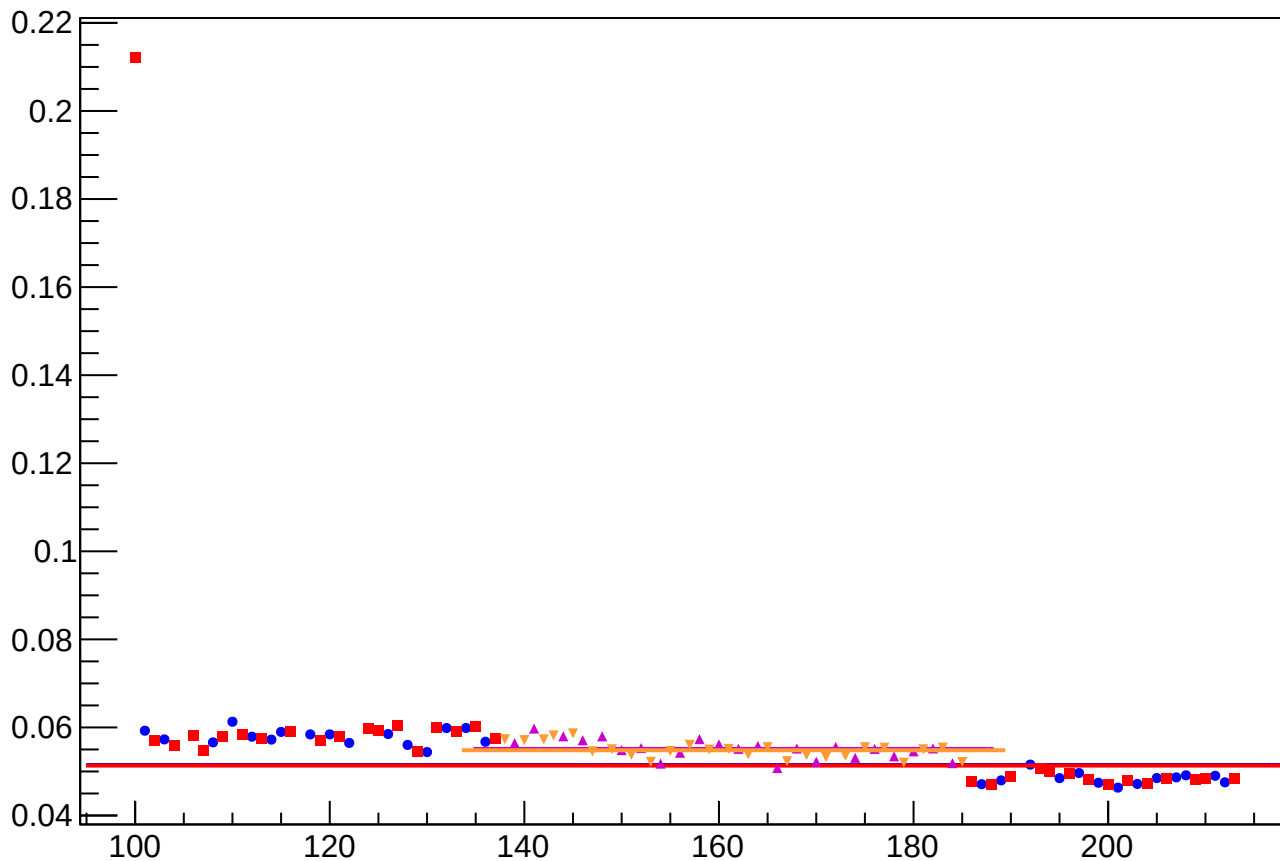
Left In: -25.414 ± 0.000 $\chi^2/\text{NDF}: 55851916.1/22$

+ sign -25.409 ± 0.000 $\chi^2/\text{NDF}: 79662263.7/53$

All: -25.404 ± 0.000 $\chi^2/\text{NDF}: 6484526951.5/100$

- sign -25.398 ± 0.000 $\chi^2/\text{NDF}: 6404105170.0/55$

yield_dsr_rms vs Slug



Right In: 0.051 $\pm$ 0.000 χ^2 /NDF: 269558.8/28

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38095.1/24

Right Out: 0.051 $\pm$ 0.000 χ^2 /NDF: 375652.6/32

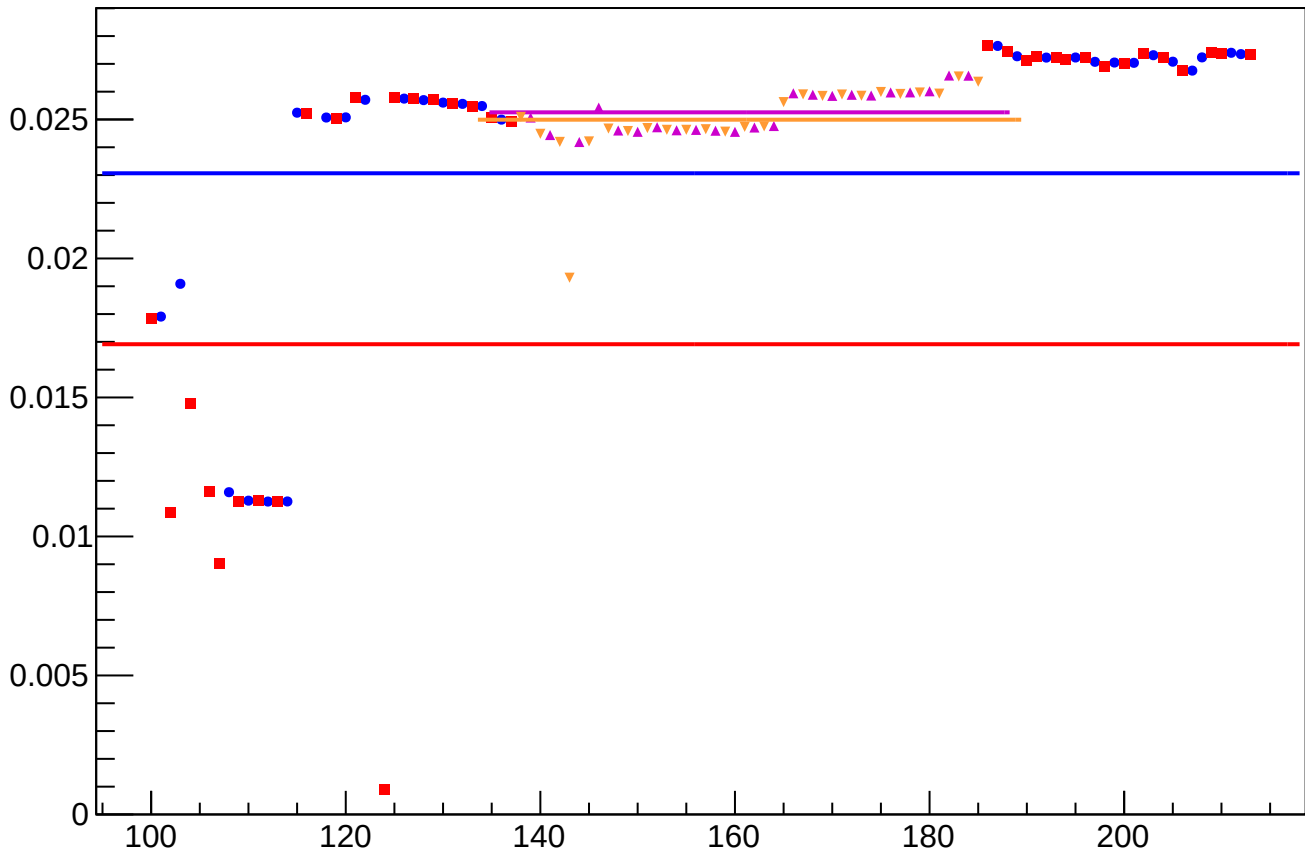
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:51531.3/22

+ sign 0.053 $\pm$ 0.000 χ^2 /NDF: 378398.2/53

All: 0.053 $\pm$ 0.000 χ^2 /NDF: 895311.7/109

- sign 0.053 $\pm$ 0.000 χ^2 /NDF: 516873.8/55

yield_atl1_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 97892415153.4/28

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7880064969.5/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 472010467401.3/33

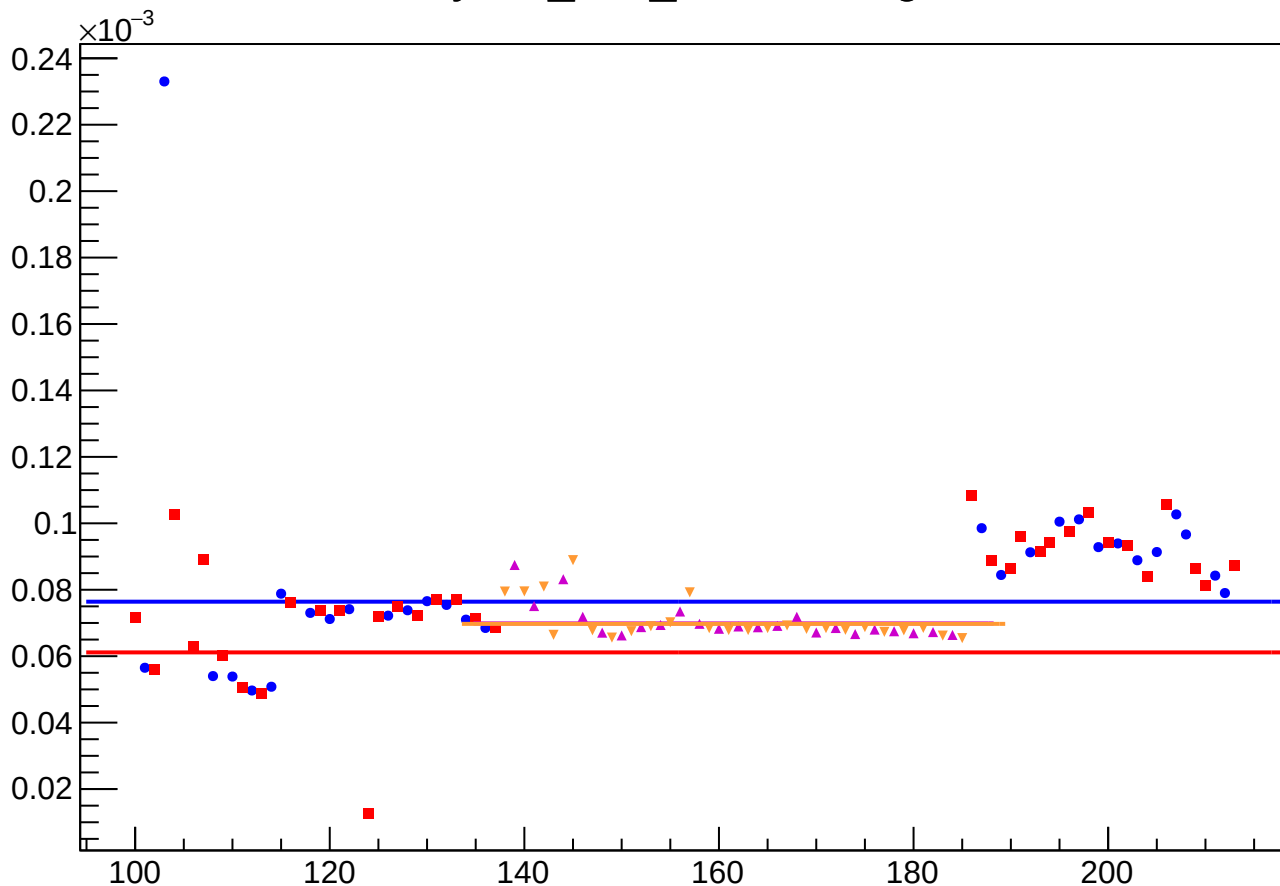
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1884783780.3/22

+ sign 0.024 $\pm$ 0.000 χ^2 /NDF: 111745594940.8/53

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 753057297986.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 605002254362.0/56

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1894302.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:188211.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7744261.8/33

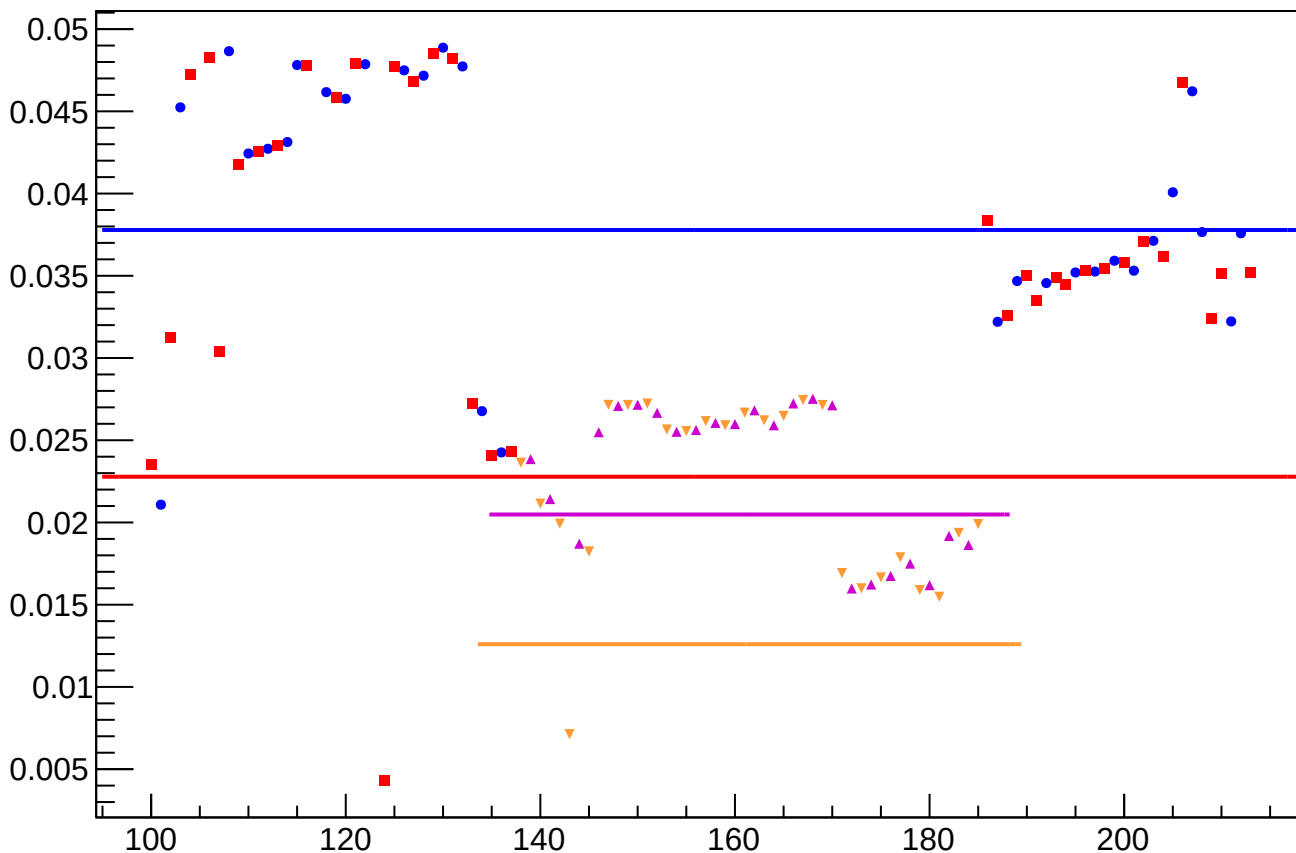
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:152421.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2226056.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10764187.0/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8183882.0/56

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7405592395.4/28

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 37338500367.6/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 47569531909.0/33

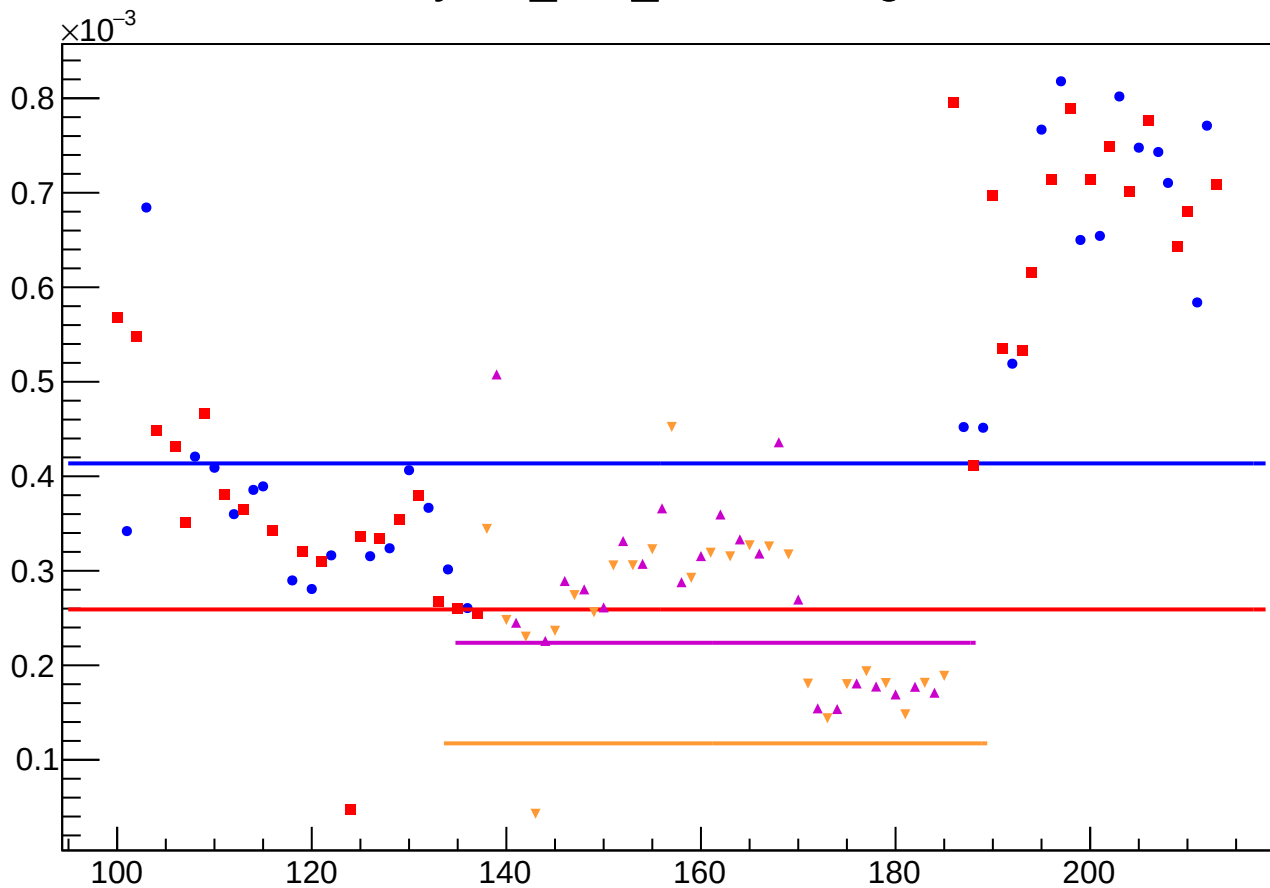
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 6099907424.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 91470812325.2/53

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 156853773014.5

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 54195766019.1/56

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4497463.5/28

Left Out: 0.000+/-0.000 χ^2/NDF :14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15240971.7/33

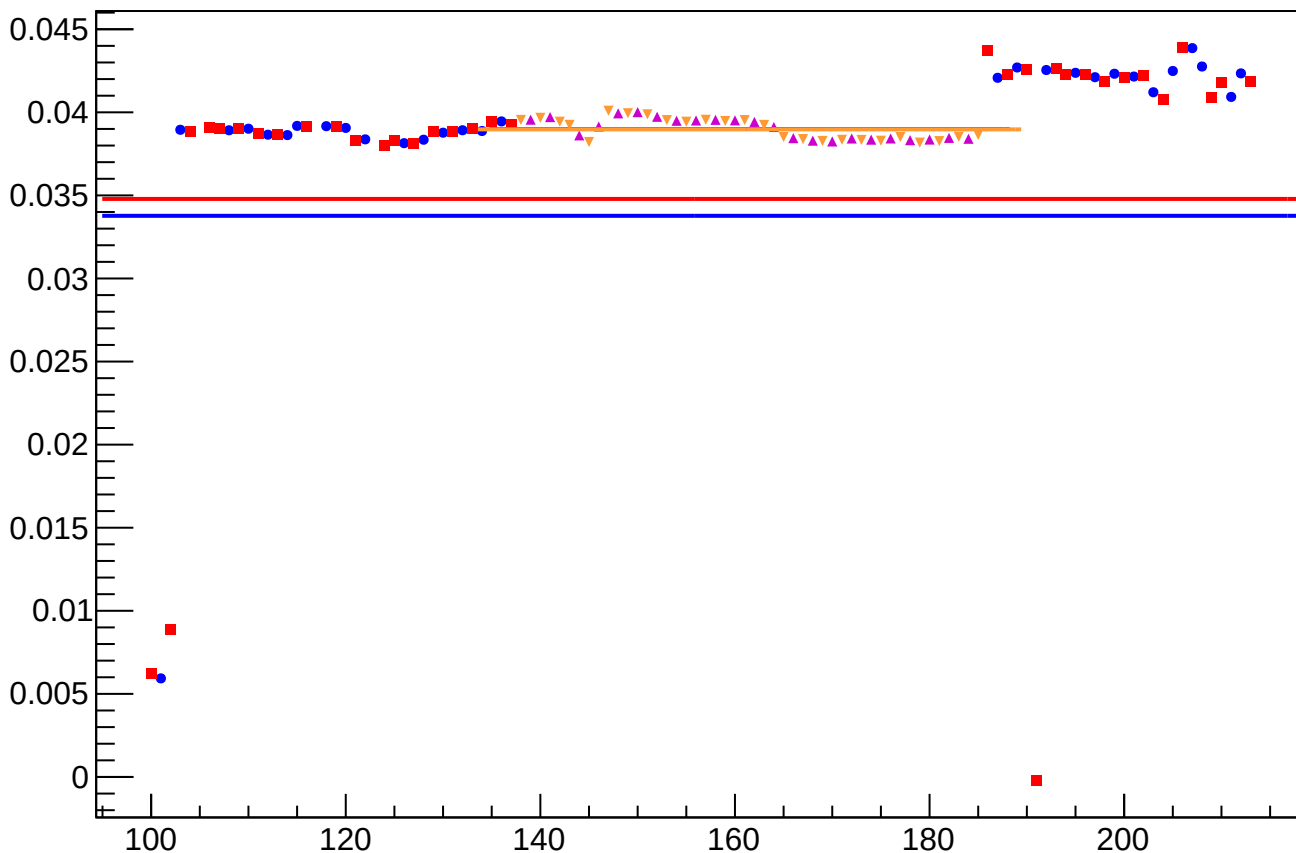
Left In: 0.000+/-0.000 χ^2/NDF :3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 31812017.3/53

All: 0.000+/-0.000 χ^2/NDF : 55334720.0/110

- sign 0.000+/-0.000 χ^2/NDF : 18877413.0/56

yield_atr1_mean vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 132437375763.0/28

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 477670162.8/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 121511732455.3/33

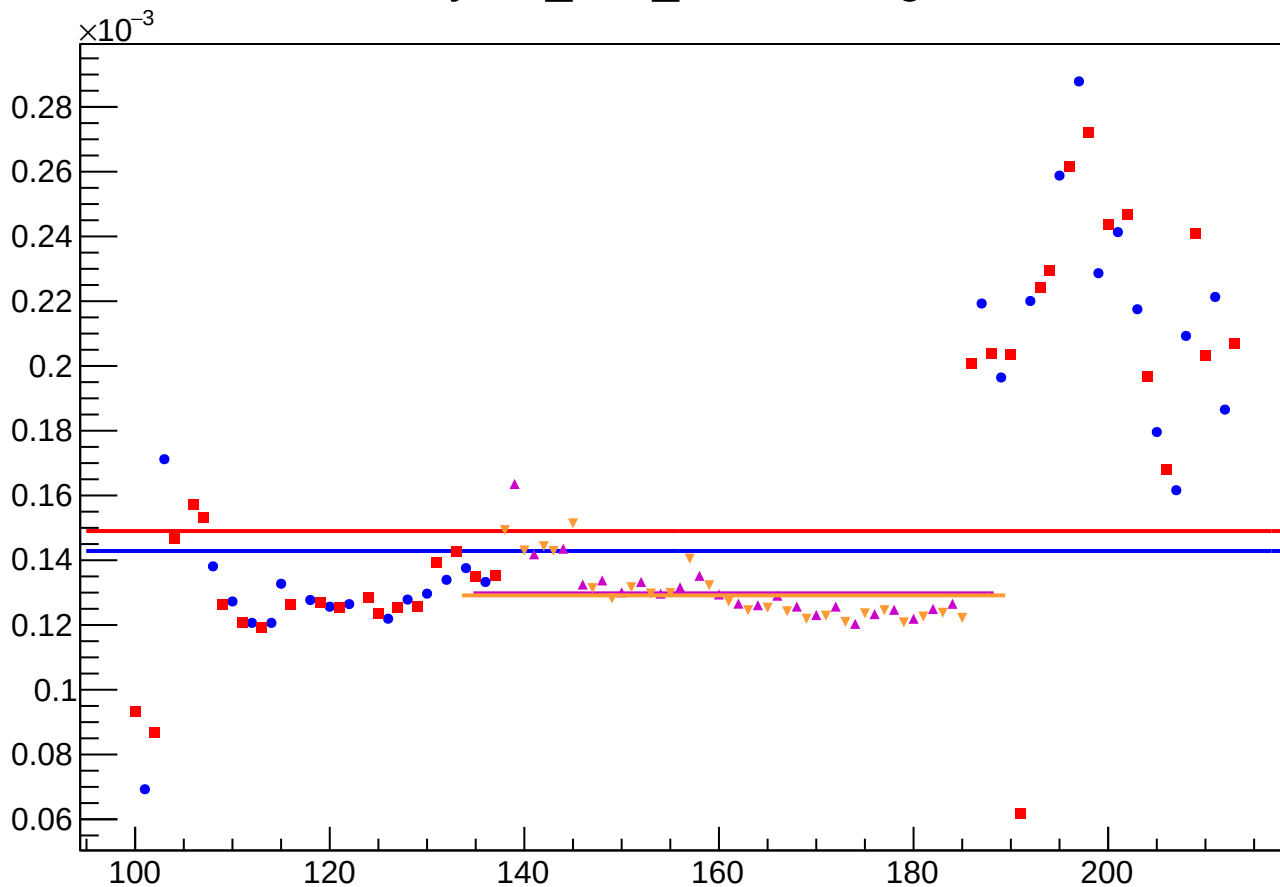
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 408808029.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 144914938189.4/53

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 274593631010.1

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 129567248487.4/56

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3995294.8/28

Left Out: 0.000+/-0.000 χ^2/NDF :157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3922703.4/33

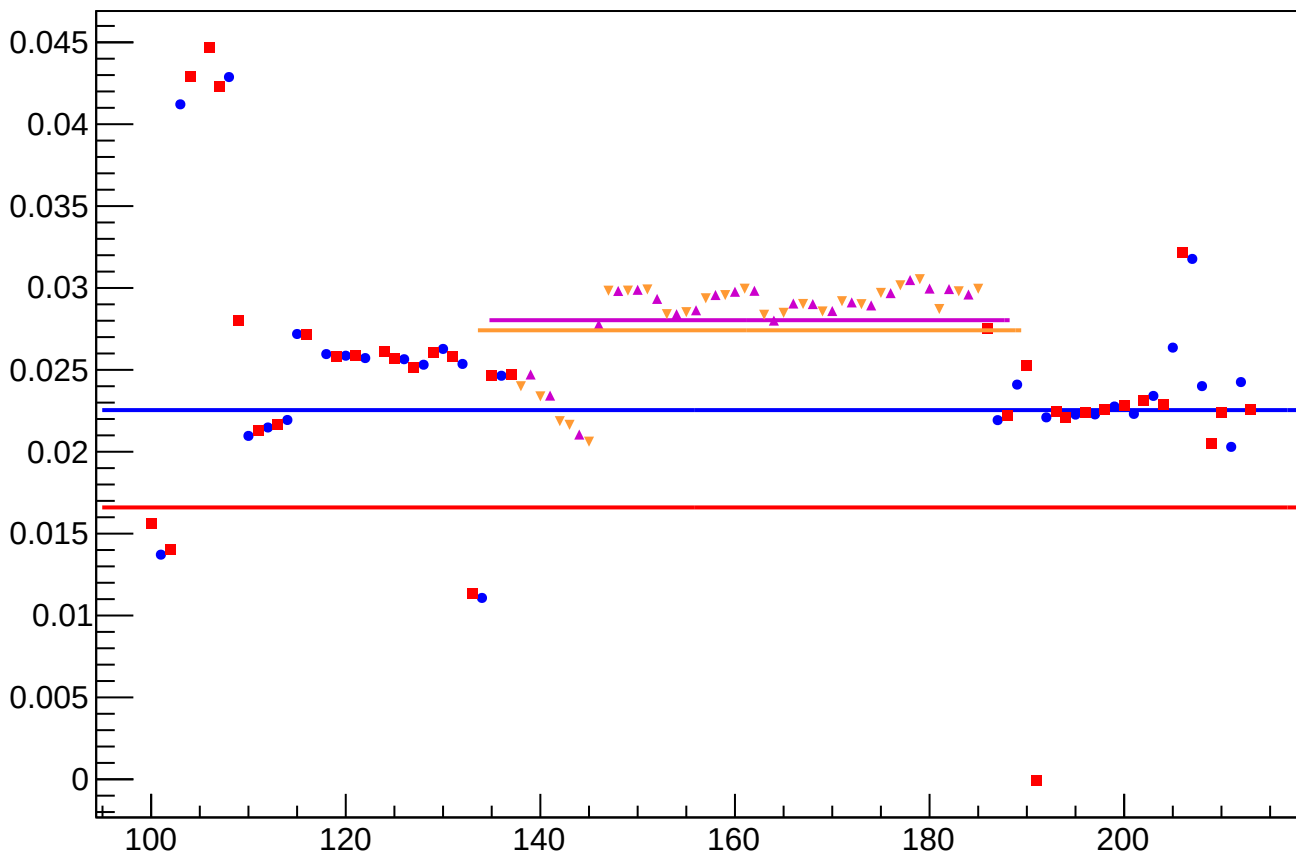
Left In: 0.000+/-0.000 χ^2/NDF :141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 4319662.2/53

All: 0.000+/-0.000 χ^2/NDF : 8721362.0/110

- sign 0.000+/-0.000 χ^2/NDF : 4384357.9/56

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 5207542736.0/28

Left Out: 0.027+/-0.000 χ^2/NDF : 2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF : 25818146827.3/33

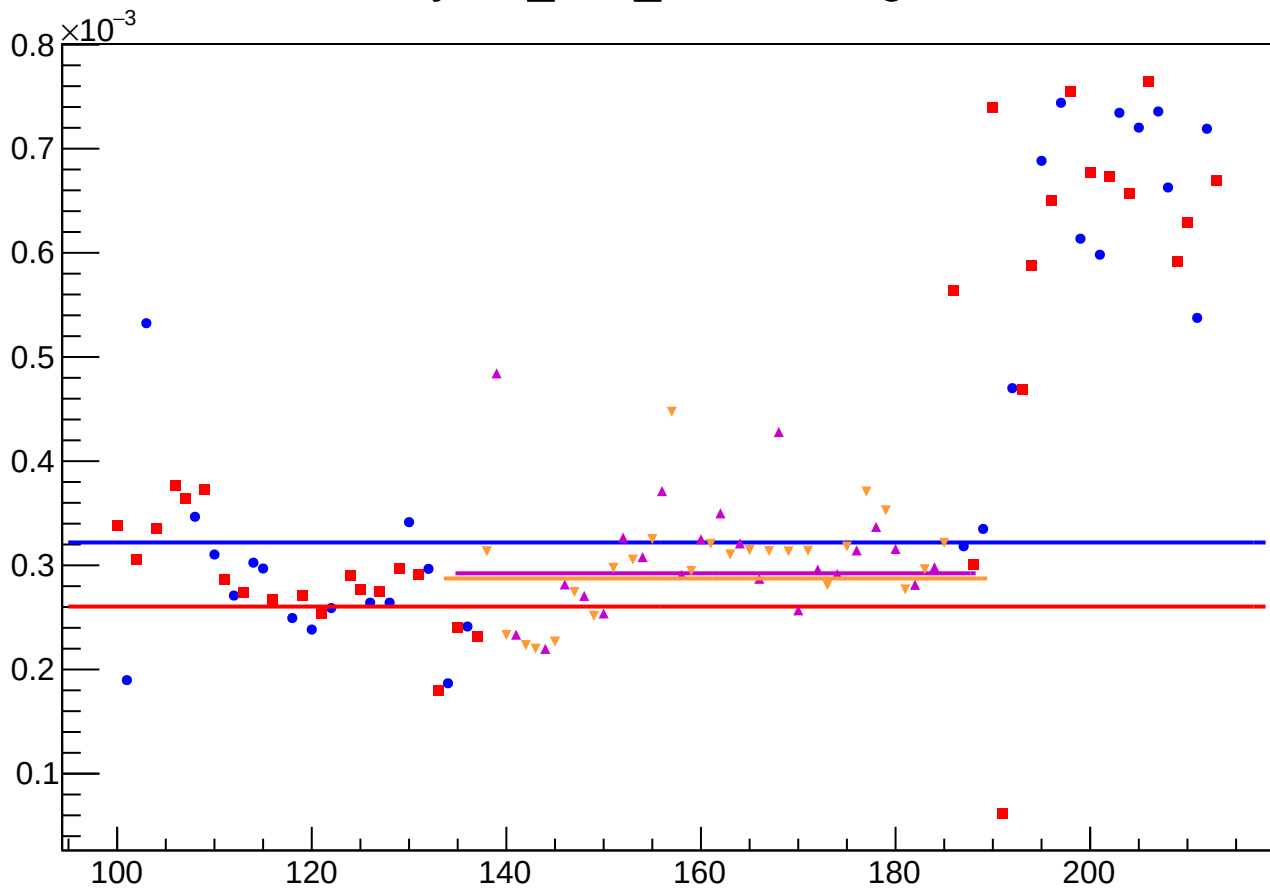
Left In: 0.028+/-0.000 χ^2/NDF : 1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF : 9307878875.3/53

All: 0.024+/-0.000 χ^2/NDF : 50081842982.9/100

- sign 0.023+/-0.000 χ^2/NDF : 39246779518.3/56

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6201092.5/28

Left Out: 0.000+/-0.000 χ^2/NDF :821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11436991.7/33

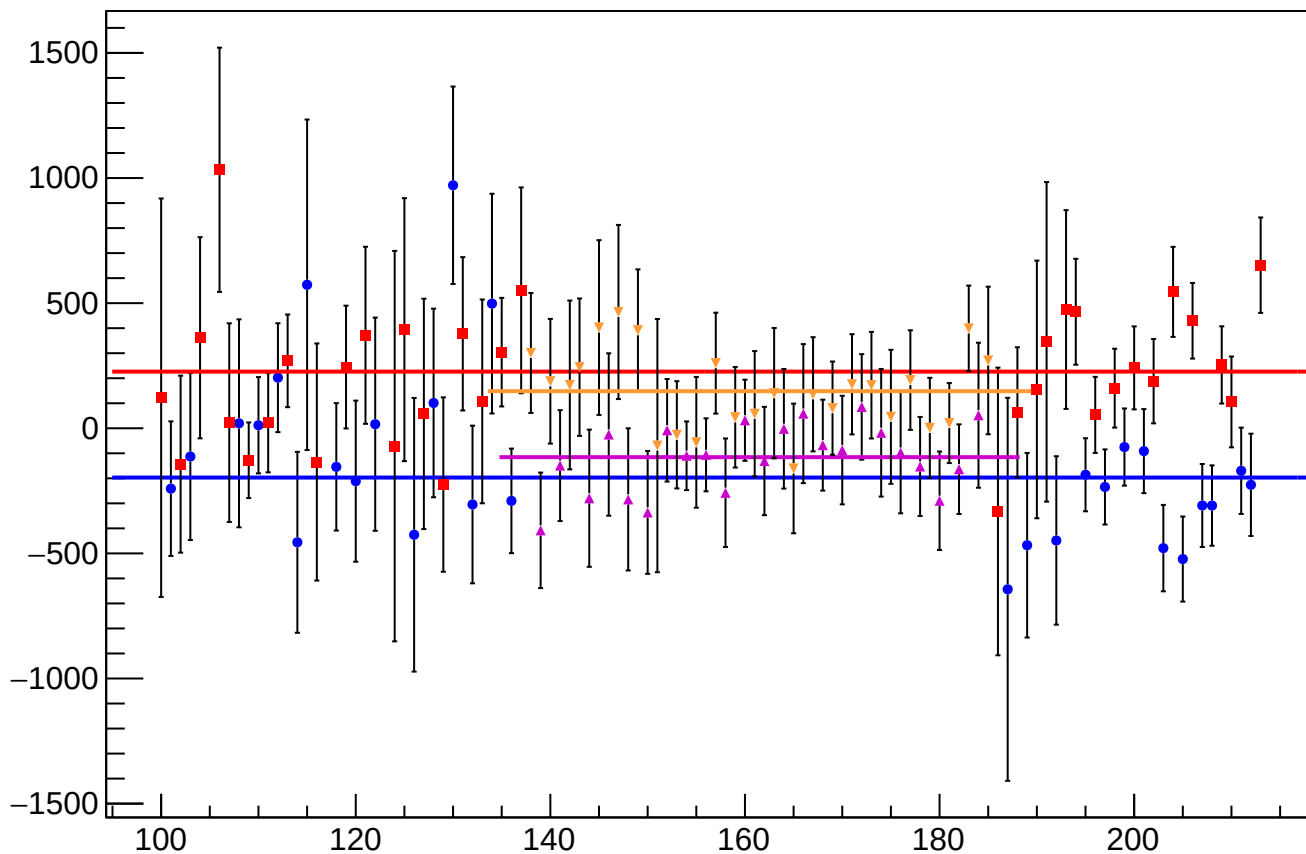
Left In: 0.000+/-0.000 χ^2/NDF :970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 7209785.6/53

All: 0.000+/-0.000 χ^2/NDF : 19991420.6/110

- sign 0.000+/-0.000 χ^2/NDF : 12593807.7/56

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -196.915 ± 42.265 χ^2/NDF : 29.3/28

Left Out: 148.273 ± 46.219 χ^2/NDF : 10.4/24

Right Out: 226.482 ± 40.884 χ^2/NDF : 29.7/33

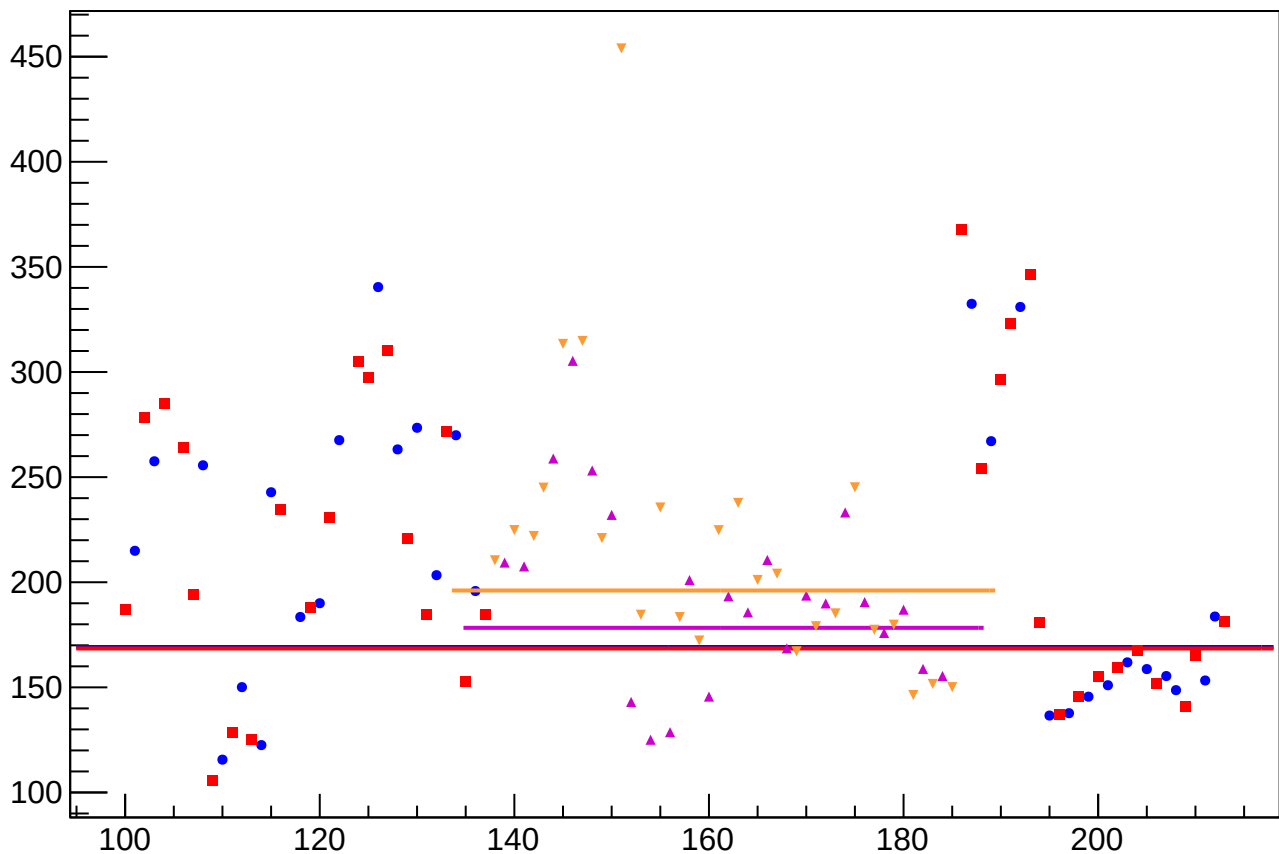
Left In: -115.487 ± 43.568 χ^2/NDF : 7.8/22

+ sign -39.716 ± 31.190 χ^2/NDF : 70.0/53

All: 15.713 ± 21.551 χ^2/NDF : 146.3/110

- sign 66.355 ± 29.813 χ^2/NDF : 70.2/56

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.193 $\pm$ 0.030 χ^2 /NDF: 2292897.8/28

Left Out: 196.087 $\pm$ 0.033 χ^2 /NDF:1818492.9/24

Right Out: 168.485 $\pm$ 0.029 χ^2 /NDF: 3011389.8/33

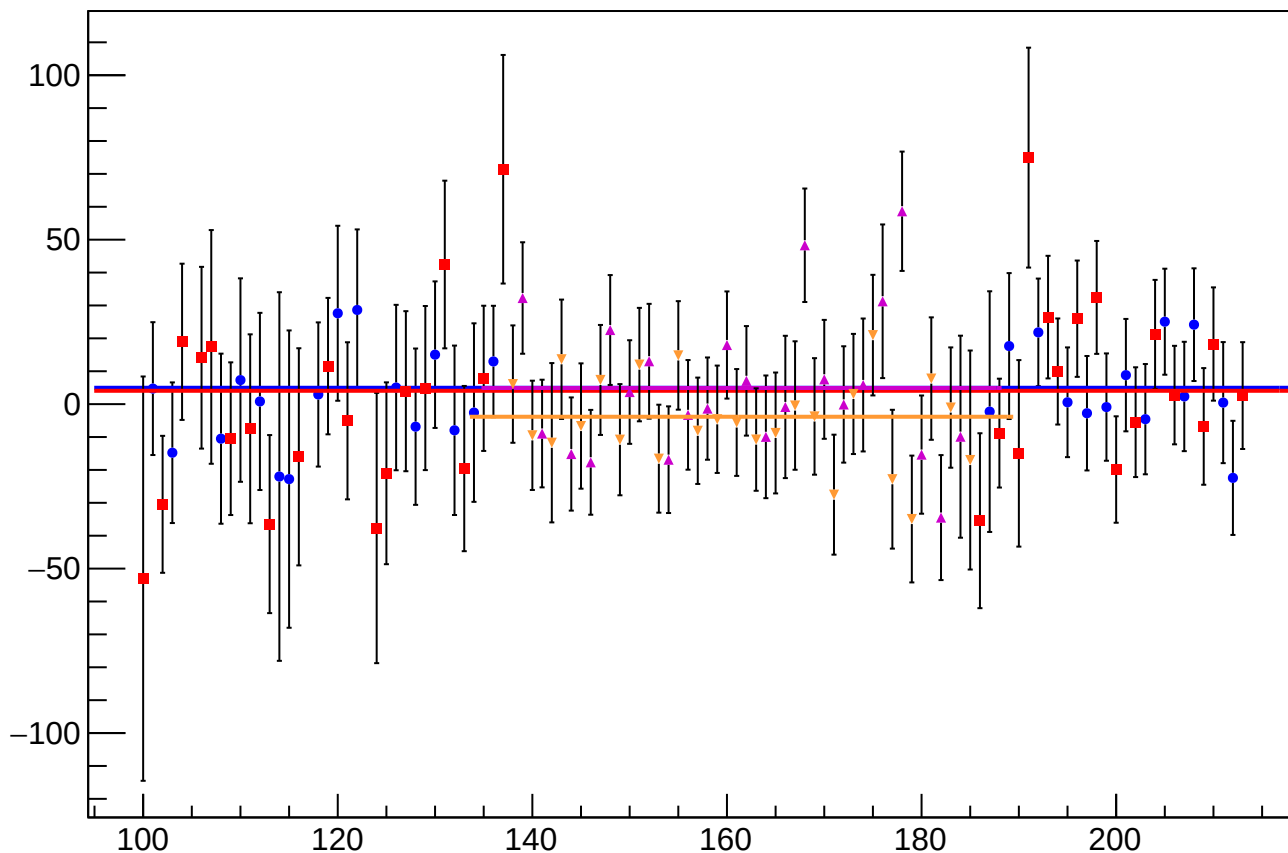
Left In: 178.318 $\pm$ 0.031 χ^2 /NDF:1678336.4/22

+ sign 181.440 $\pm$ 0.022 χ^2 /NDF: 4480165.7/53

All: 177.076 $\pm$ 0.015 χ^2 /NDF: 9298994.8/110

- sign 173.089 $\pm$ 0.021 χ^2 /NDF: 4743901.2/56

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.978 ± 3.847 $\chi^2/\text{NDF}: 12.1/28$

Left Out: -3.834 ± 3.603 $\chi^2/\text{NDF}: 12.9/24$

Right Out: 4.059 ± 3.690 $\chi^2/\text{NDF}: 34.8/33$

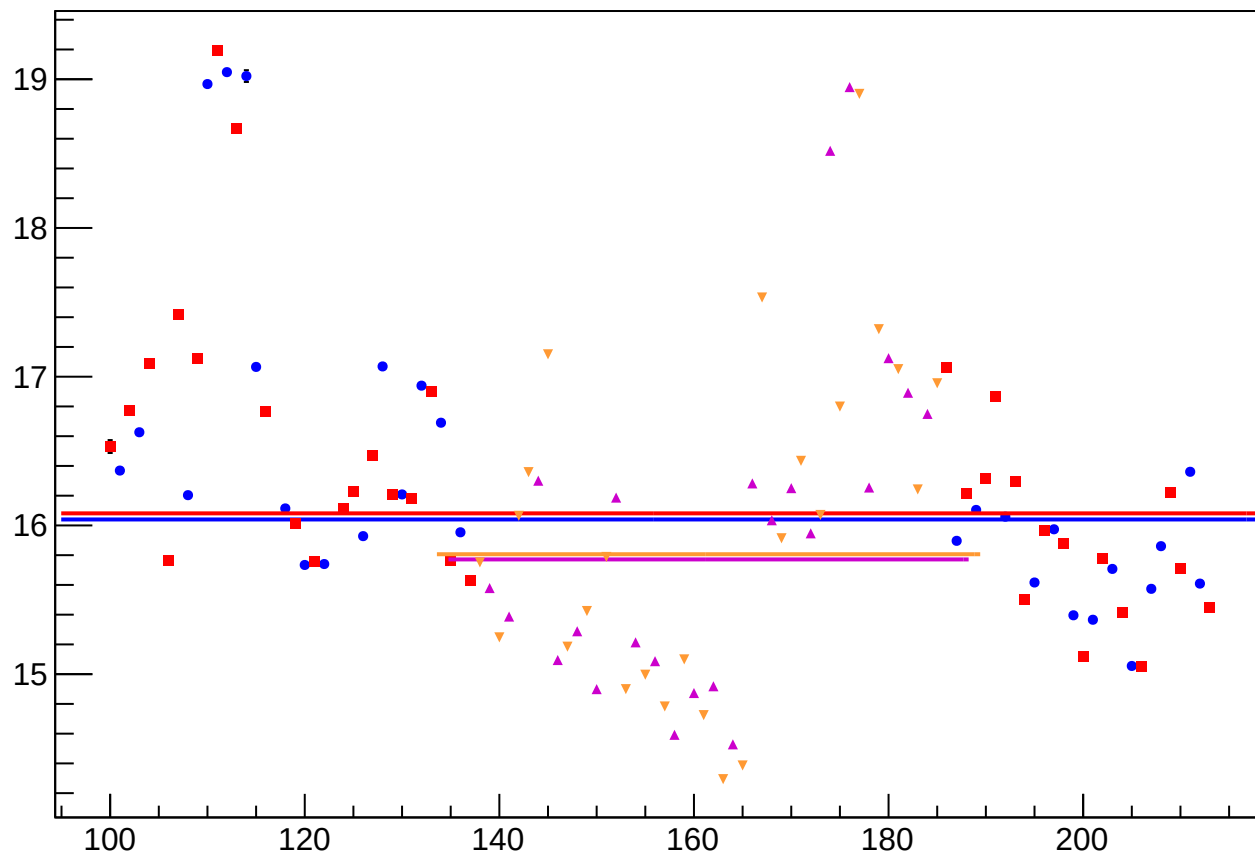
Left In: 4.903 ± 3.695 $\chi^2/\text{NDF}: 33.9/22$

+ sign 0.283 ± 2.630 $\chi^2/\text{NDF}: 27.8/53$

All: 2.397 ± 1.853 $\chi^2/\text{NDF}: 97.7/110$

- sign 4.481 ± 2.611 $\chi^2/\text{NDF}: 68.7/56$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.040 $\pm$ 0.003 χ^2 /NDF: 79300.2/28

Left Out: 15.806 $\pm$ 0.003 χ^2 /NDF:172651.3/24

Right Out: 16.081 $\pm$ 0.003 χ^2 /NDF: 91396.4/33

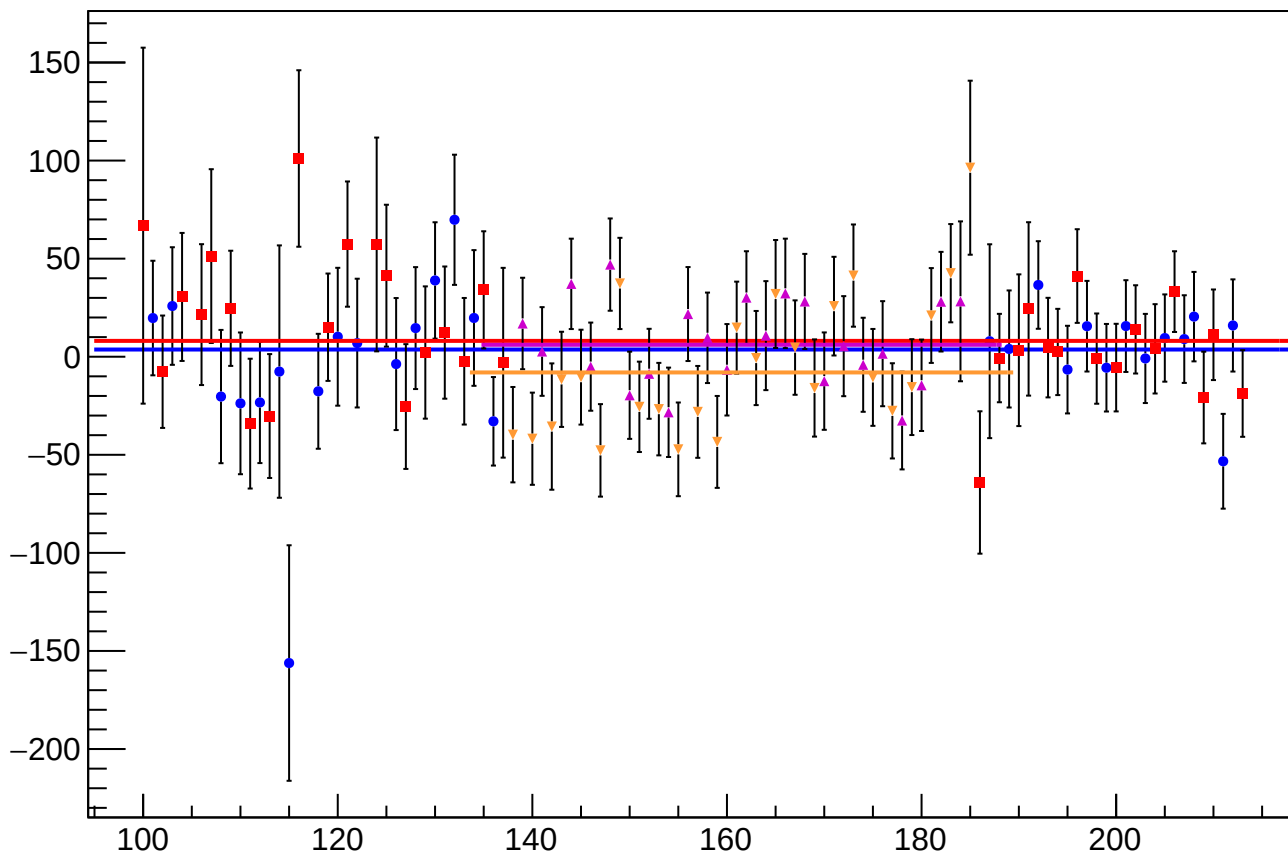
Left In: 15.771 $\pm$ 0.003 χ^2 /NDF:152136.7/22

+ sign 15.916 $\pm$ 0.002 χ^2 /NDF: 255885.7/53

All: 15.921 $\pm$ 0.001 χ^2 /NDF: 506473.1/110

- sign 15.927 $\pm$ 0.002 χ^2 /NDF: 250569.7/56

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.669 ± 5.143 χ^2/NDF : 28.4/28

Left Out: -8.016 ± 4.956 χ^2/NDF : 38.9/24

Right Out: 8.075 ± 4.938 χ^2/NDF : 27.5/33

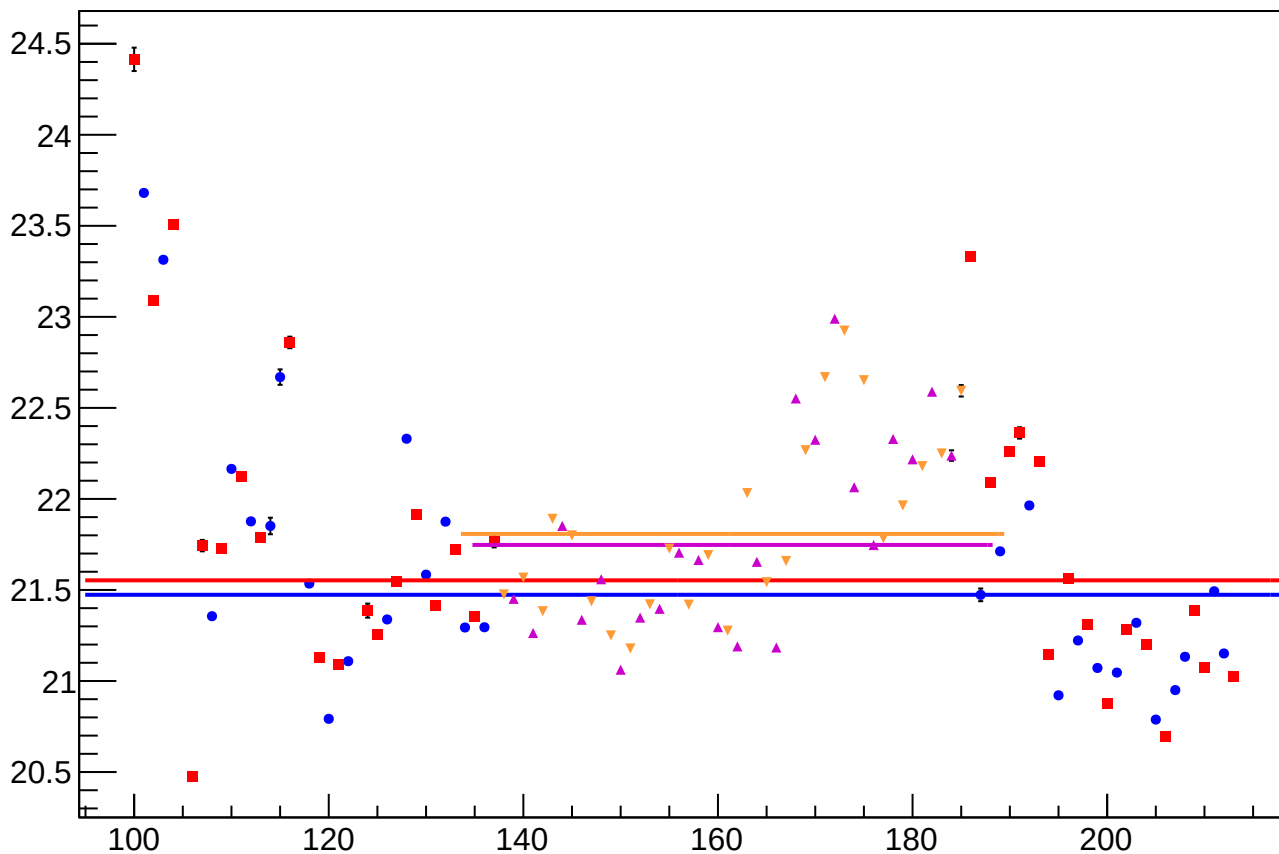
Left In: 6.086 ± 5.080 χ^2/NDF : 17.9/22

+ sign -2.390 ± 3.569 χ^2/NDF : 69.9/53

All: 2.397 ± 2.514 χ^2/NDF : 119.0/110

- sign 7.109 ± 3.541 χ^2/NDF : 45.5/56

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.473+/-0.004 χ^2/NDF : 31761.9/28

Left Out: 21.808+/-0.004 χ^2/NDF : 17561.0/24

Right Out: 21.553+/-0.003 χ^2/NDF : 38429.1/33

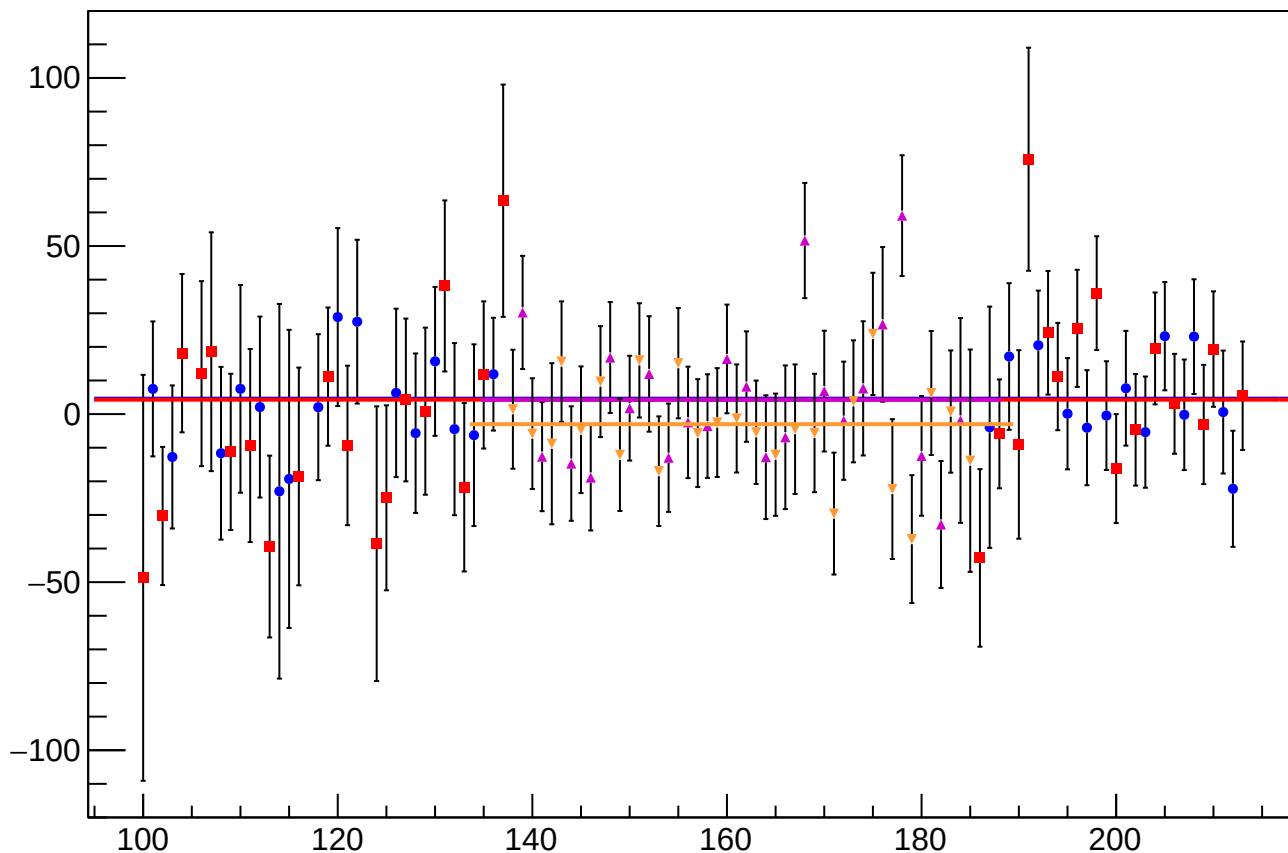
Left In: 21.747+/-0.004 χ^2/NDF : 20560.9/22

+ sign 21.647+/-0.003 χ^2/NDF : 53702.8/53

All: 21.647+/-0.002 χ^2/NDF : 114200.0/110

- sign 21.647+/-0.003 χ^2/NDF : 60497.1/56

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.589 ± 3.820 $\chi^2/\text{NDF}: 11.5/28$

Left Out: -3.002 ± 3.569 $\chi^2/\text{NDF}: 14.6/24$

Right Out: 4.291 ± 3.665 $\chi^2/\text{NDF}: 35.0/33$

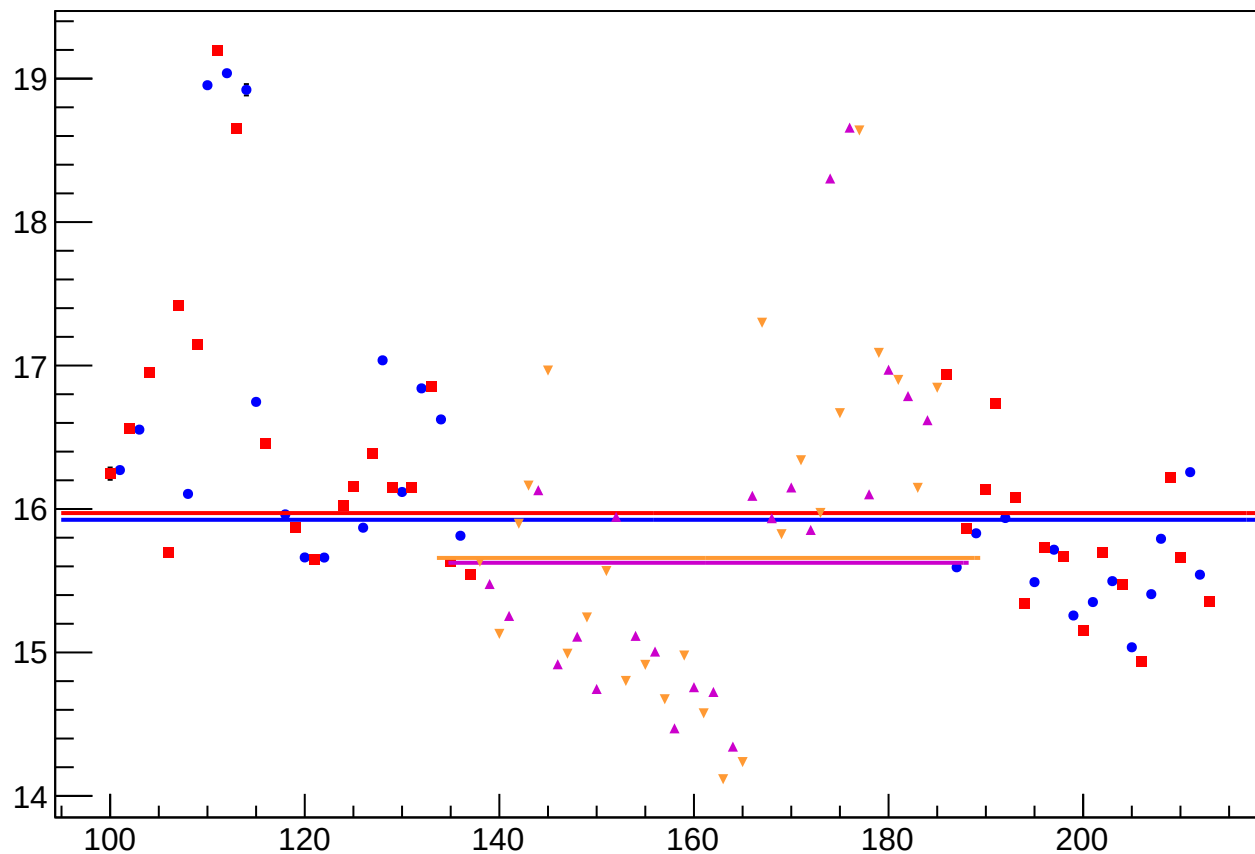
Left In: 4.249 ± 3.661 $\chi^2/\text{NDF}: 33.8/22$

+ sign 0.536 ± 2.608 $\chi^2/\text{NDF}: 28.3/53$

All: 2.415 ± 1.838 $\chi^2/\text{NDF}: 98.1/110$

- sign 4.270 ± 2.590 $\chi^2/\text{NDF}: 68.9/56$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.925 $\pm$ 0.003 χ^2 /NDF: 82590.3/28

Left Out: 15.659 $\pm$ 0.003 χ^2 /NDF:169838.6/24

Right Out: 15.972 $\pm$ 0.003 χ^2 /NDF: 92788.2/33

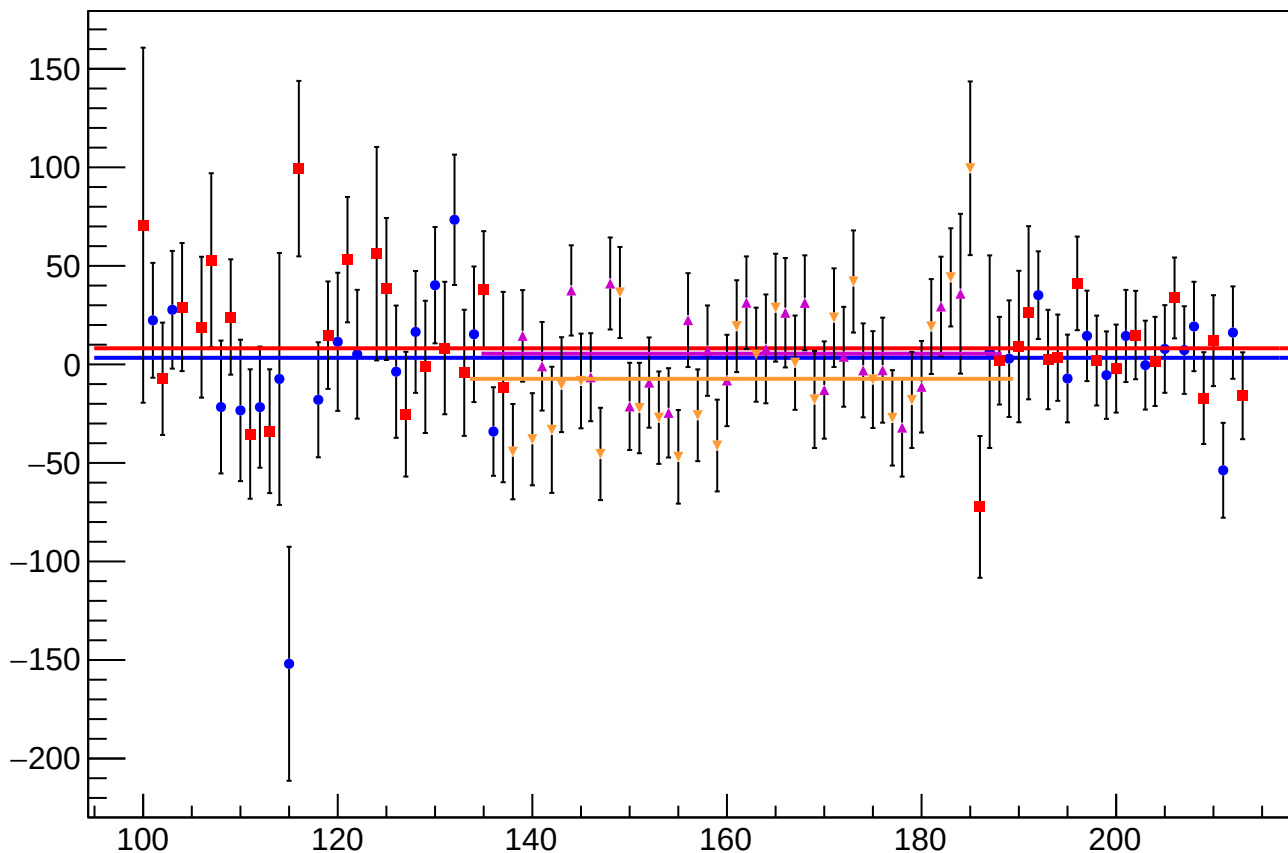
Left In: 15.625 $\pm$ 0.003 χ^2 /NDF:150431.7/22

+ sign 15.783 $\pm$ 0.002 χ^2 /NDF: 257598.3/53

All: 15.790 $\pm$ 0.001 χ^2 /NDF: 509806.4/110

- sign 15.798 $\pm$ 0.002 χ^2 /NDF: 252173.4/56

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.341+/-5.120 χ^2/NDF : 28.9/28

Left Out: -7.318+/-4.929 χ^2/NDF : 38.6/24

Right Out: 8.169+/-4.914 χ^2/NDF : 28.1/33

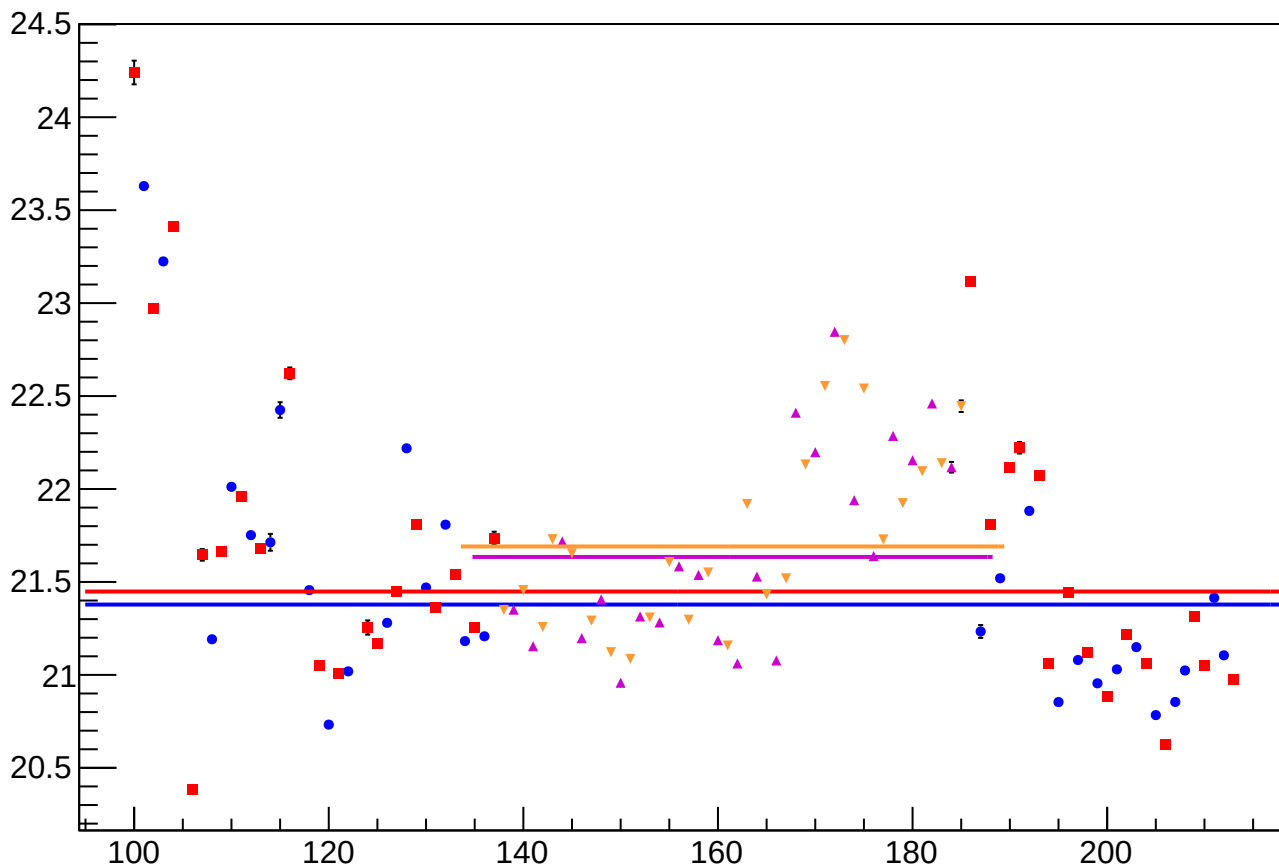
Left In: 5.435+/-5.054 χ^2/NDF : 17.3/22

+ sign -2.191+/-3.551 χ^2/NDF : 69.7/53

All: 2.360+/-2.501 χ^2/NDF : 118.5/110

- sign 6.840+/-3.523 χ^2/NDF : 45.5/56

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.378 $\pm$ 0.004 χ^2 /NDF: 31424.5/28

Left Out: 21.691 $\pm$ 0.003 χ^2 /NDF:17934.9/24

Right Out: 21.448 $\pm$ 0.003 χ^2 /NDF: 35392.3/33

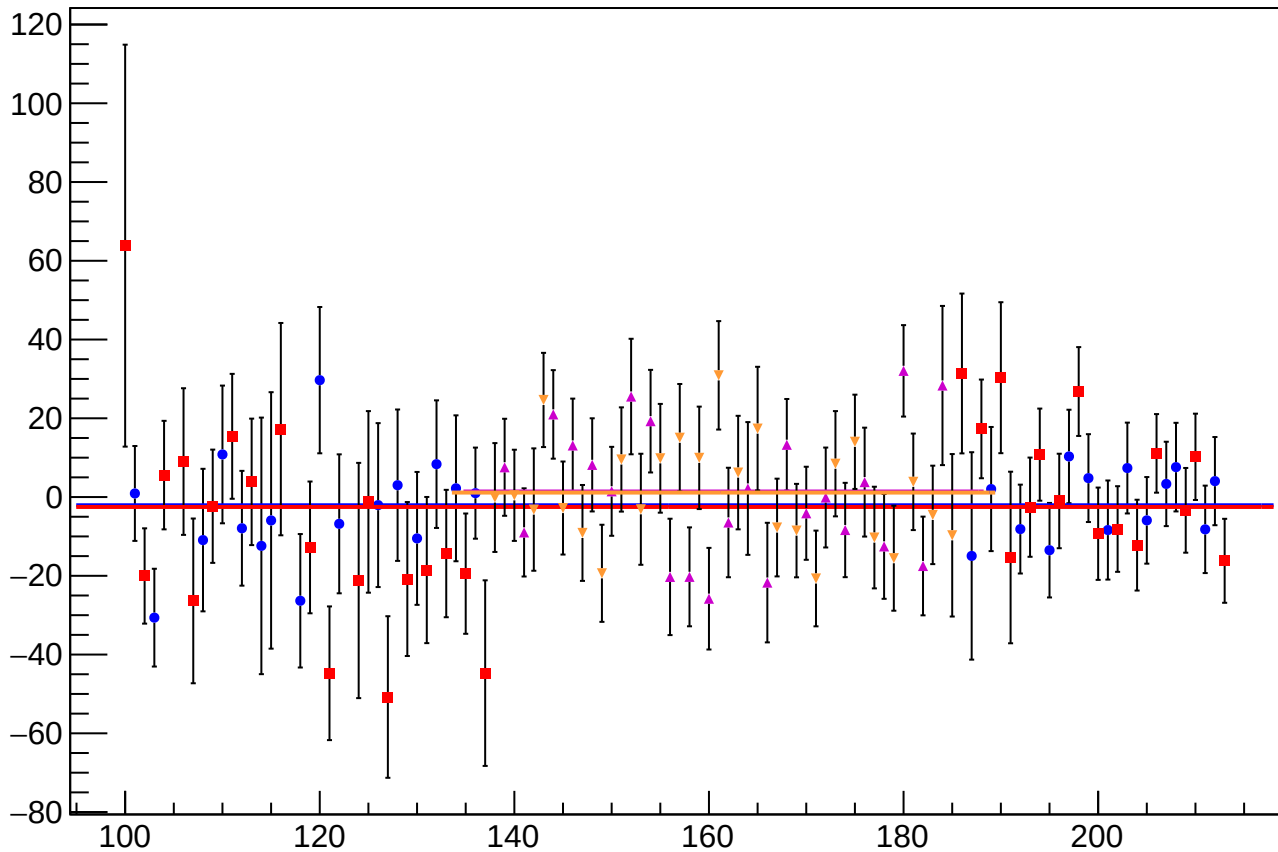
Left In: 21.635 $\pm$ 0.004 χ^2 /NDF:20561.5/22

+ sign 21.541 $\pm$ 0.003 χ^2 /NDF: 53225.1/53

All: 21.540 $\pm$ 0.002 χ^2 /NDF: 110573.1/110

- sign 21.539 $\pm$ 0.002 χ^2 /NDF: 57347.8/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.089 ± 2.592 χ^2/NDF : 17.9/28

Left Out: 1.138 ± 2.620 χ^2/NDF : 24.5/24

Right Out: -2.515 ± 2.495 χ^2/NDF : 49.7/33

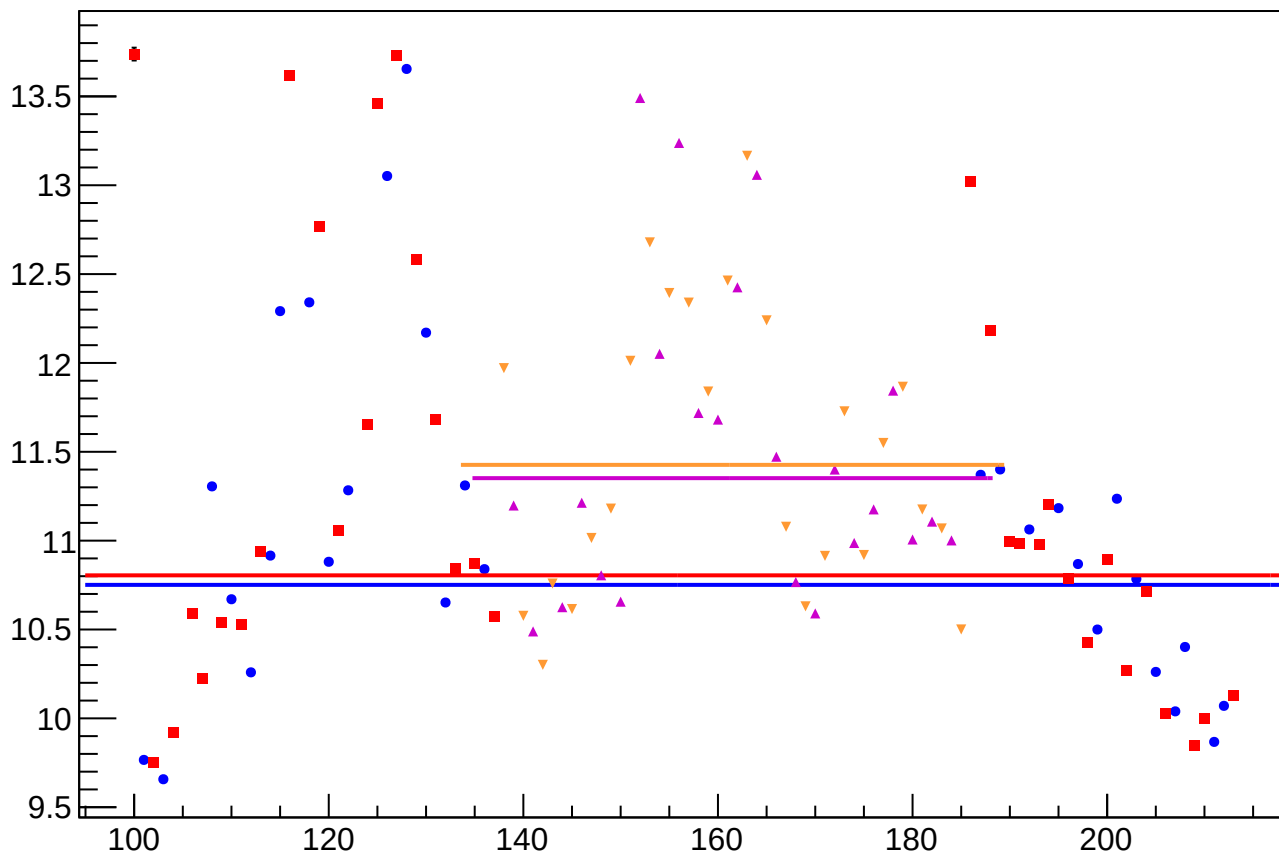
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -0.493 ± 1.843 χ^2/NDF : 43.2/53

All: -0.592 ± 1.296 χ^2/NDF : 130.4/110

- sign -0.690 ± 1.824 χ^2/NDF : 87.1/56

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.751 $\pm$ 0.002 χ^2 /NDF: 190958.7/28

Left Out: 11.426 $\pm$ 0.002 χ^2 /NDF:156973.4/24

Right Out: 10.805 $\pm$ 0.002 χ^2 /NDF: 278498.3/33

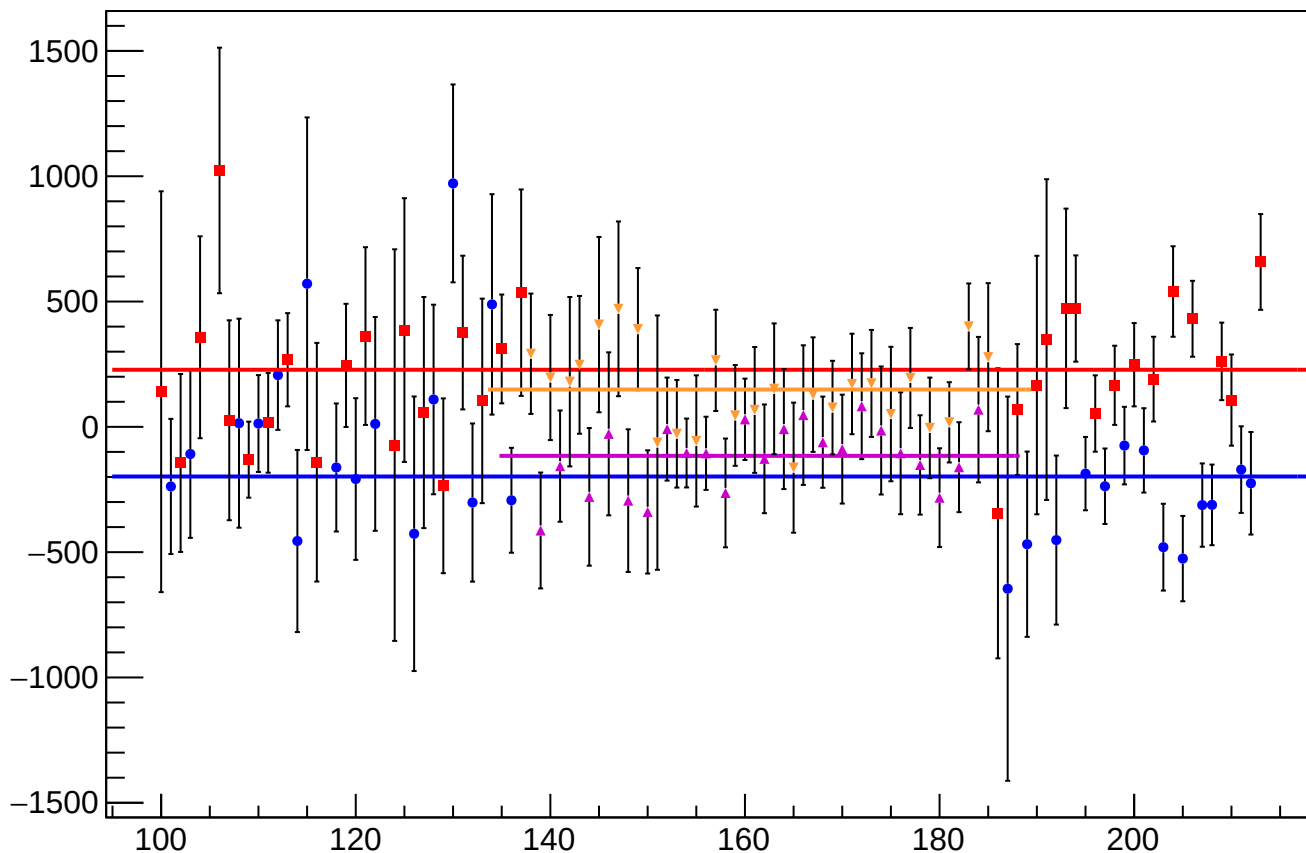
Left In: 11.352 $\pm$ 0.002 χ^2 /NDF:170563.6/22

+ sign 11.085 $\pm$ 0.001 χ^2 /NDF: 415083.6/53

All: 11.072 $\pm$ 0.001 χ^2 /NDF: 909081.8/110

- sign 11.059 $\pm$ 0.001 χ^2 /NDF: 493798.5/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -198.088 ± 42.371 χ^2/NDF : 29.3/28

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 227.794 ± 40.994 χ^2/NDF : 29.8/33

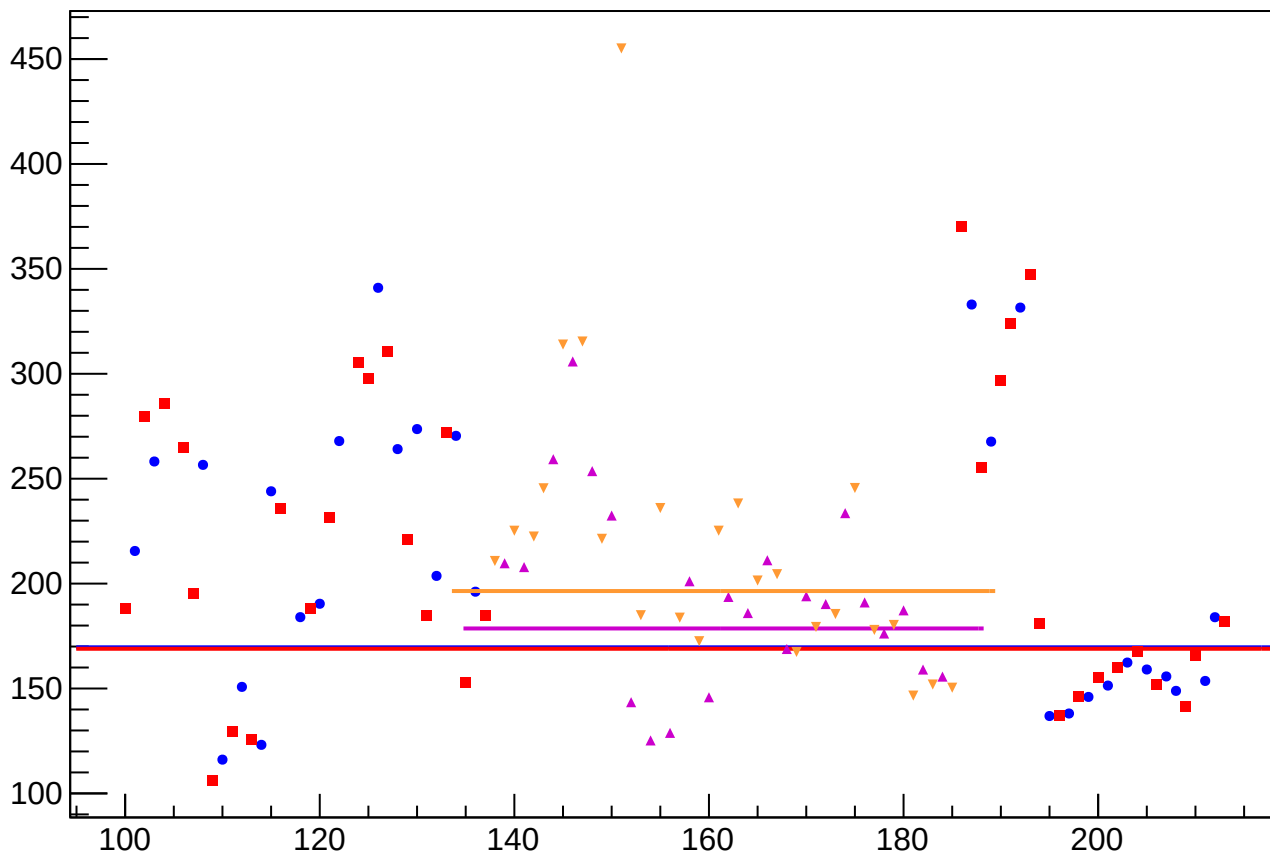
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -39.958 ± 31.260 χ^2/NDF : 70.4/53

All: 15.817 ± 21.599 χ^2/NDF : 147.0/110

- sign 66.774 ± 29.879 χ^2/NDF : 70.5/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 169.630 $\pm$ 0.030 χ^2 /NDF: 2288273.8/28

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 168.946 $\pm$ 0.029 χ^2 /NDF: 3008681.7/33

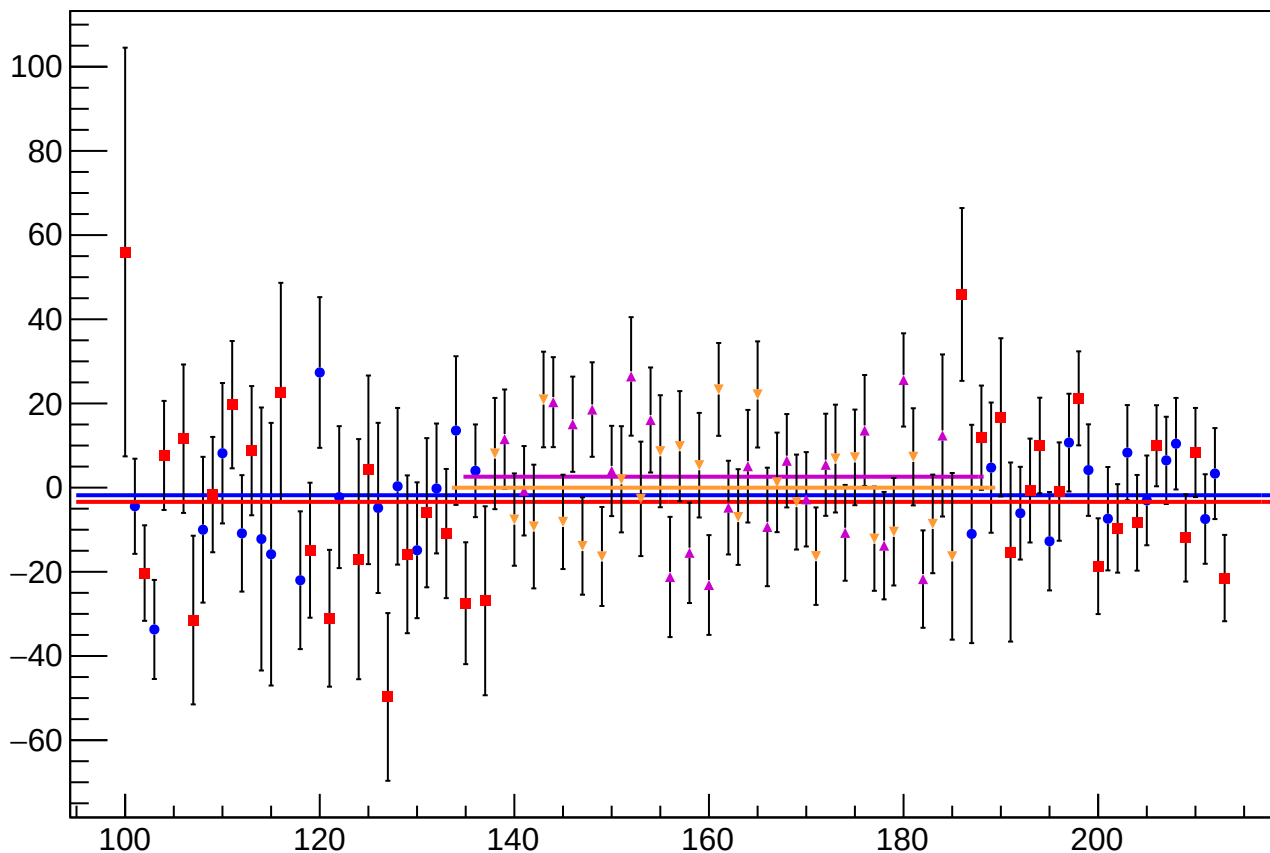
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 181.854 $\pm$ 0.022 χ^2 /NDF: 4472298.9/53

All: 177.477 $\pm$ 0.015 χ^2 /NDF: 9287034.5/110

- sign 173.478 $\pm$ 0.021 χ^2 /NDF: 4739688.3/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -1.808 ± 2.500 χ^2/NDF : 20.9/28

Left Out: -0.018 ± 2.445 χ^2/NDF : 23.7/24

Right Out: -3.384 ± 2.409 χ^2/NDF : 49.2/33

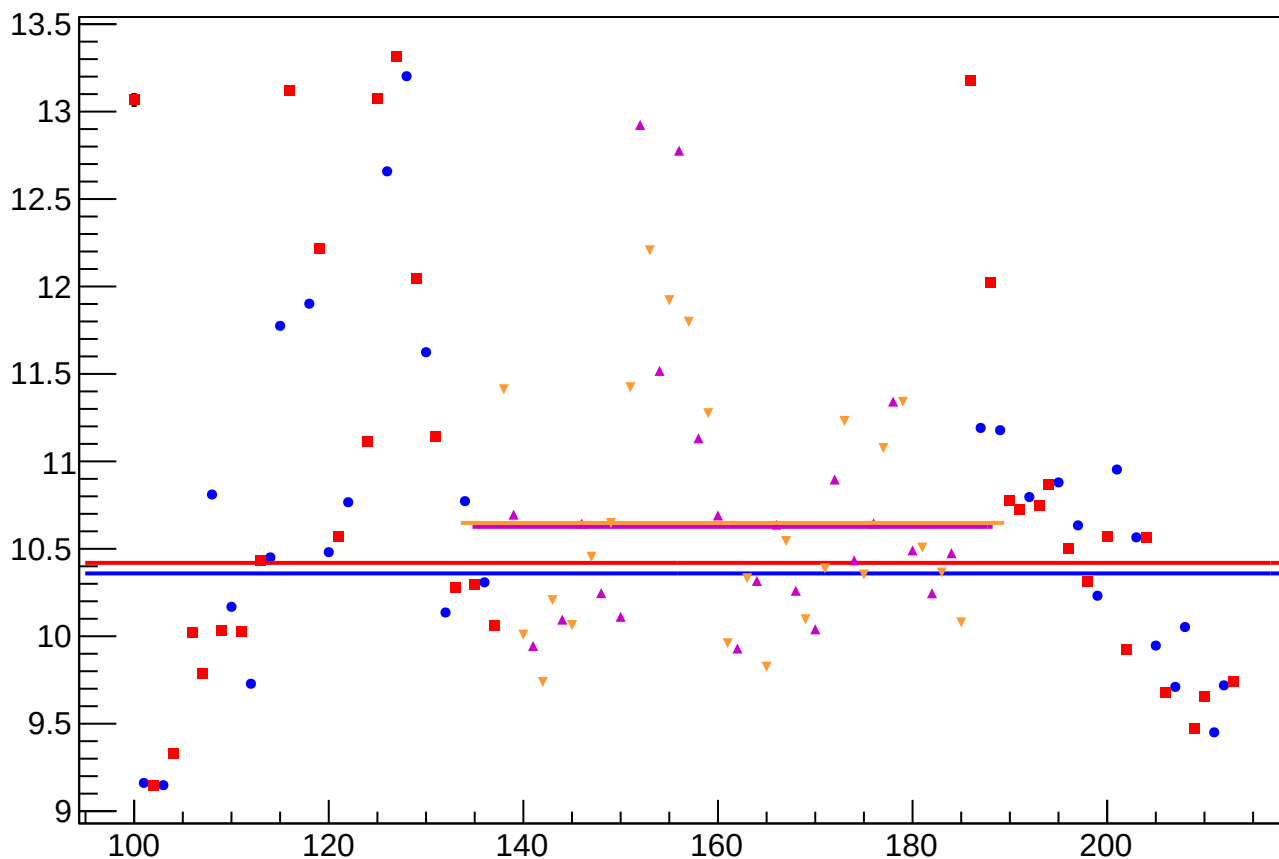
Left In: 2.591 ± 2.506 χ^2/NDF : 34.8/22

+ sign -0.893 ± 1.748 χ^2/NDF : 44.9/53

All: -0.702 ± 1.232 χ^2/NDF : 131.8/110

- sign -0.515 ± 1.737 χ^2/NDF : 86.9/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.359 $\pm$ 0.002 χ^2 /NDF: 214523.1/28

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.420 $\pm$ 0.002 χ^2 /NDF: 317285.6/33

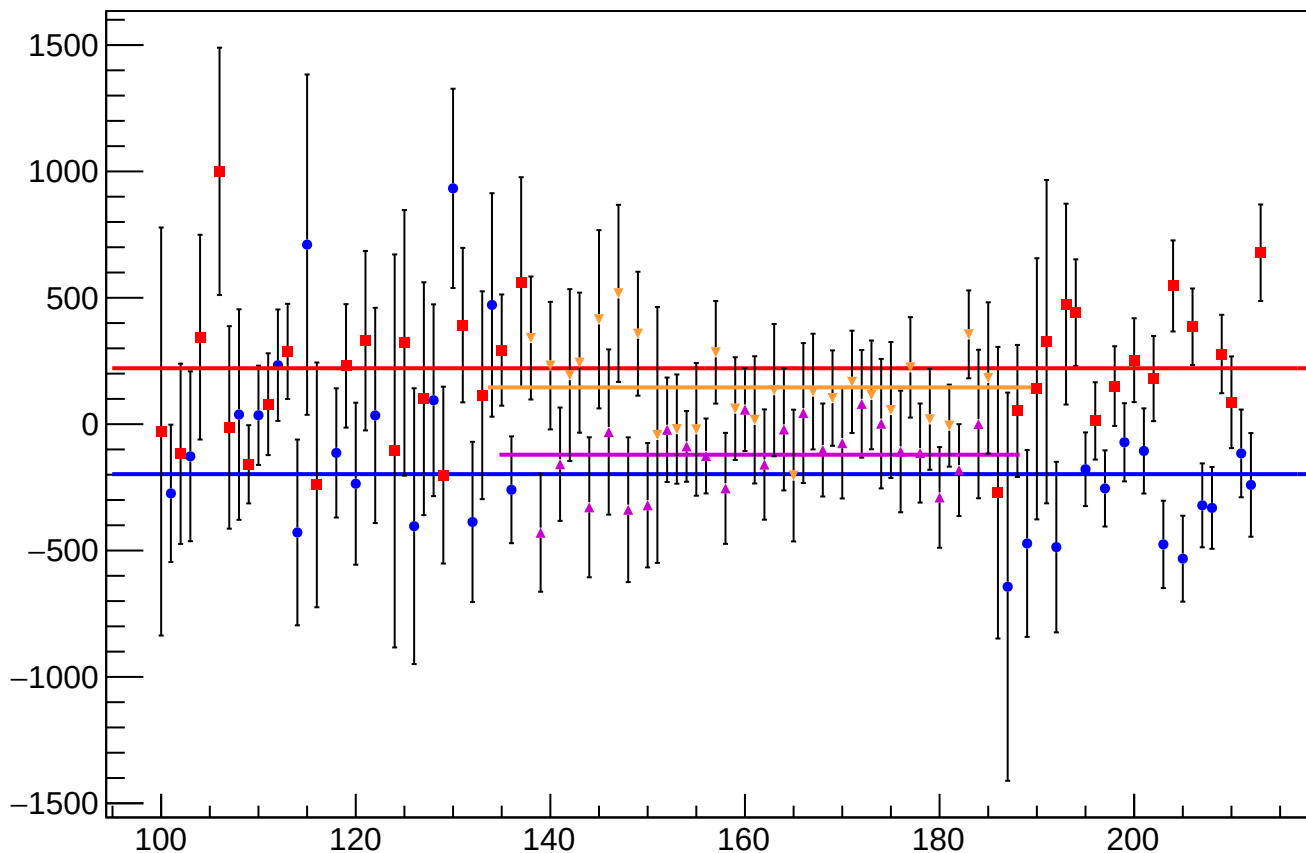
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.507 $\pm$ 0.001 χ^2 /NDF: 371725.7/53

All: 10.513 $\pm$ 0.001 χ^2 /NDF: 855623.7/110

- sign 10.519 $\pm$ 0.001 χ^2 /NDF: 483853.5/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -197.722 $\pm$ 42.467 χ^2 /NDF: 30.7/28

Left Out: 145.545 $\pm$ 46.613 χ^2 /NDF:10.3/24

Right Out: 221.232 $\pm$ 41.109 χ^2 /NDF: 30.2/33

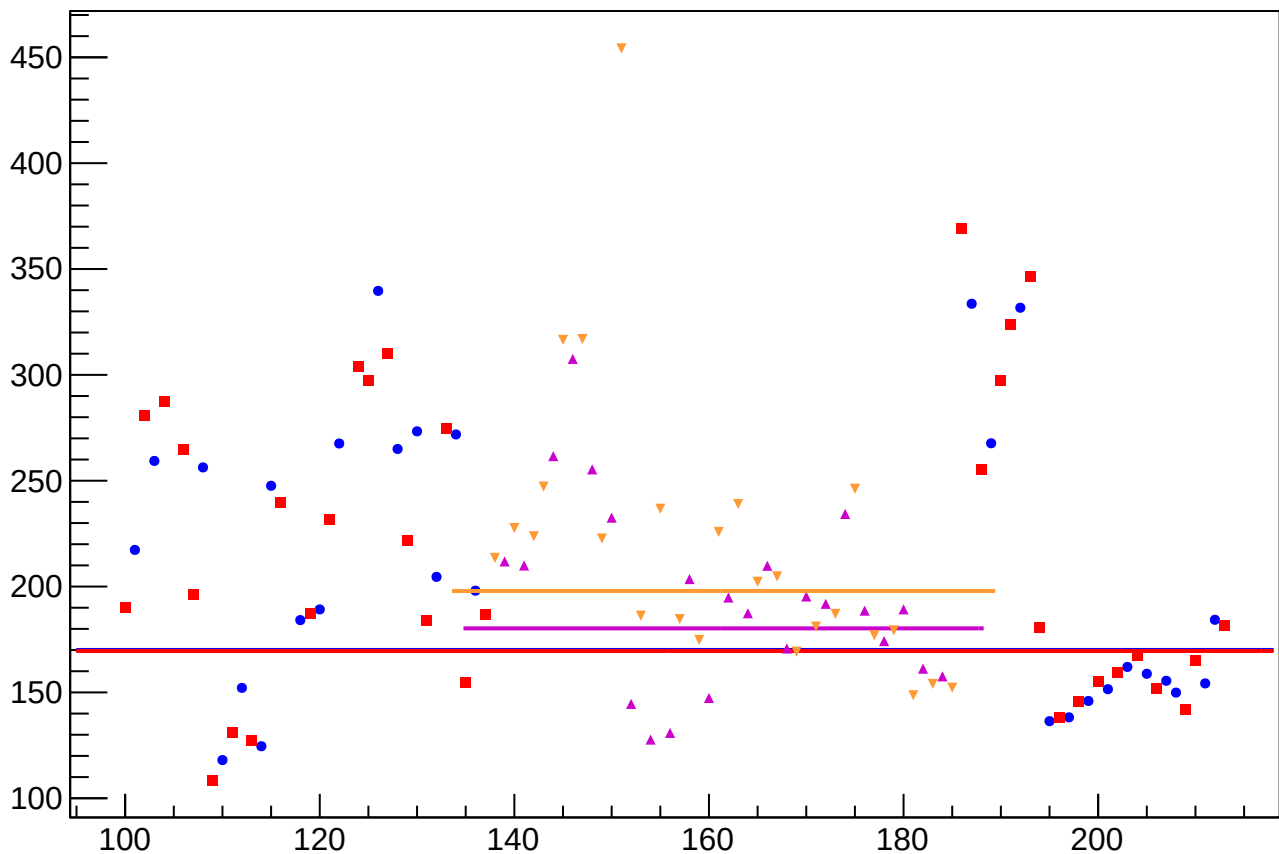
Left In: -120.888 $\pm$ 43.994 χ^2 /NDF:8.2/22

+ sign -42.029 $\pm$ 31.393 χ^2 /NDF: 70.6/53

All: 12.152 $\pm$ 21.703 χ^2 /NDF: 147.1/110

- sign 61.756 $\pm$ 30.037 χ^2 /NDF: 70.7/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.047 $\pm$ 0.030 χ^2 /NDF: 2280439.8/28

Left Out: 197.890 $\pm$ 0.033 χ^2 /NDF:1788849.3/24

Right Out: 169.574 $\pm$ 0.029 χ^2 /NDF: 2956405.6/33

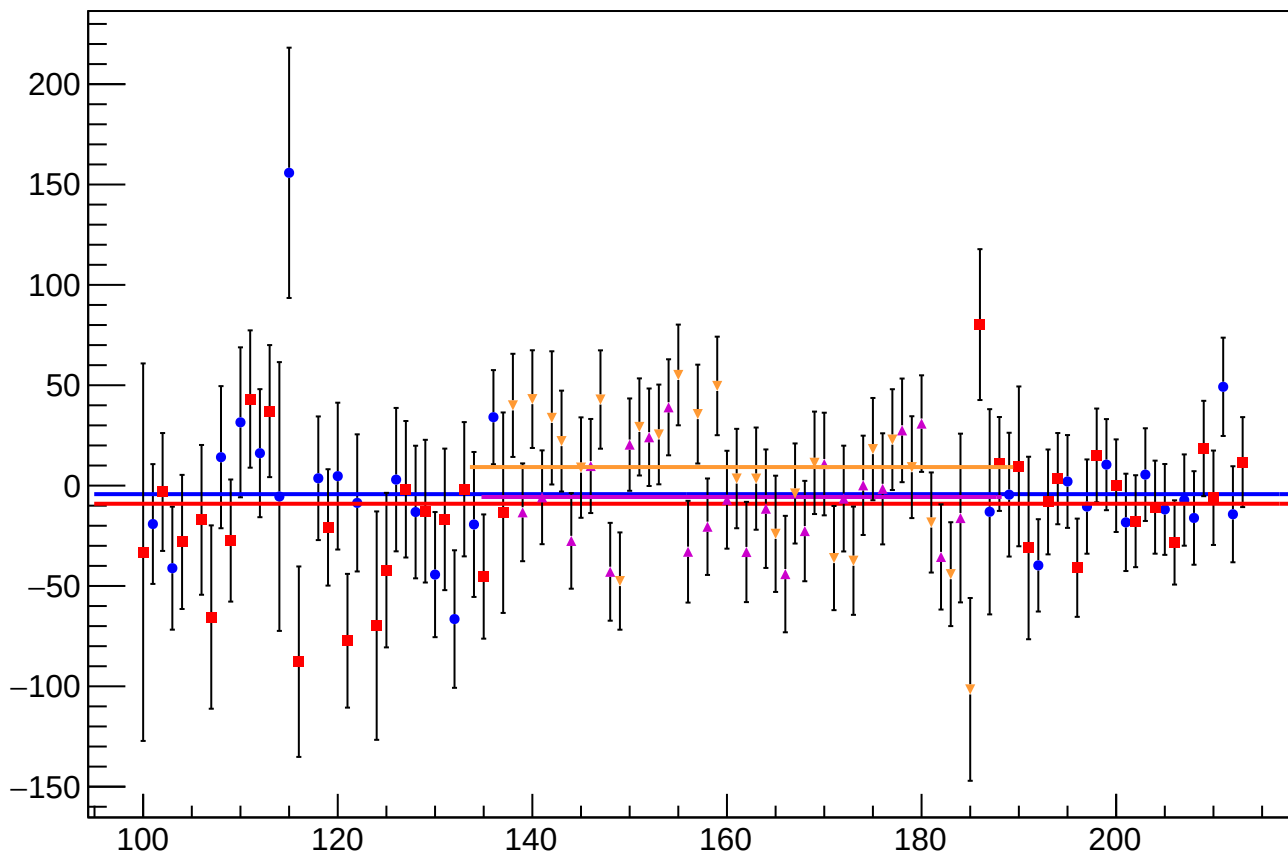
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF:1627777.0/22

+ sign 182.676 $\pm$ 0.022 χ^2 /NDF: 4459215.8/53

All: 178.433 $\pm$ 0.015 χ^2 /NDF: 9176216.0/110

- sign 174.549 $\pm$ 0.021 χ^2 /NDF: 4647034.2/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.256 ± 5.296 χ^2/NDF : 26.8/28

Left Out: 9.234 ± 5.162 χ^2/NDF : 39.4/24

Right Out: -9.045 ± 5.091 χ^2/NDF : 30.4/33

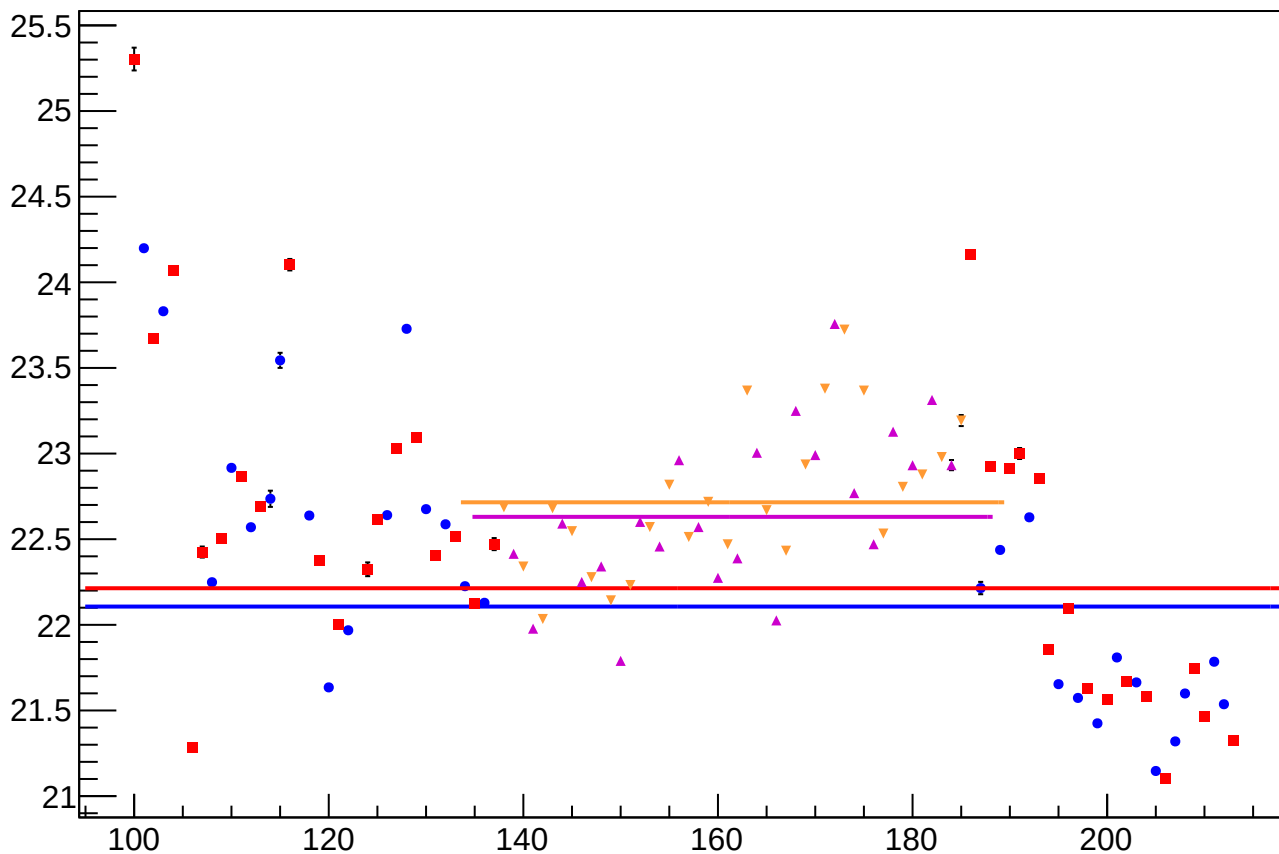
Left In: -5.668 ± 5.286 χ^2/NDF : 20.8/22

+ sign 2.661 ± 3.697 χ^2/NDF : 69.5/53

All: -2.420 ± 2.603 χ^2/NDF : 124.7/110

- sign -7.420 ± 3.667 χ^2/NDF : 51.4/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.107 $\pm$ 0.004 χ^2 /NDF: 40445.3/28

Left Out: 22.715 $\pm$ 0.004 χ^2 /NDF:12181.4/24

Right Out: 22.214 $\pm$ 0.004 χ^2 /NDF: 49251.6/33

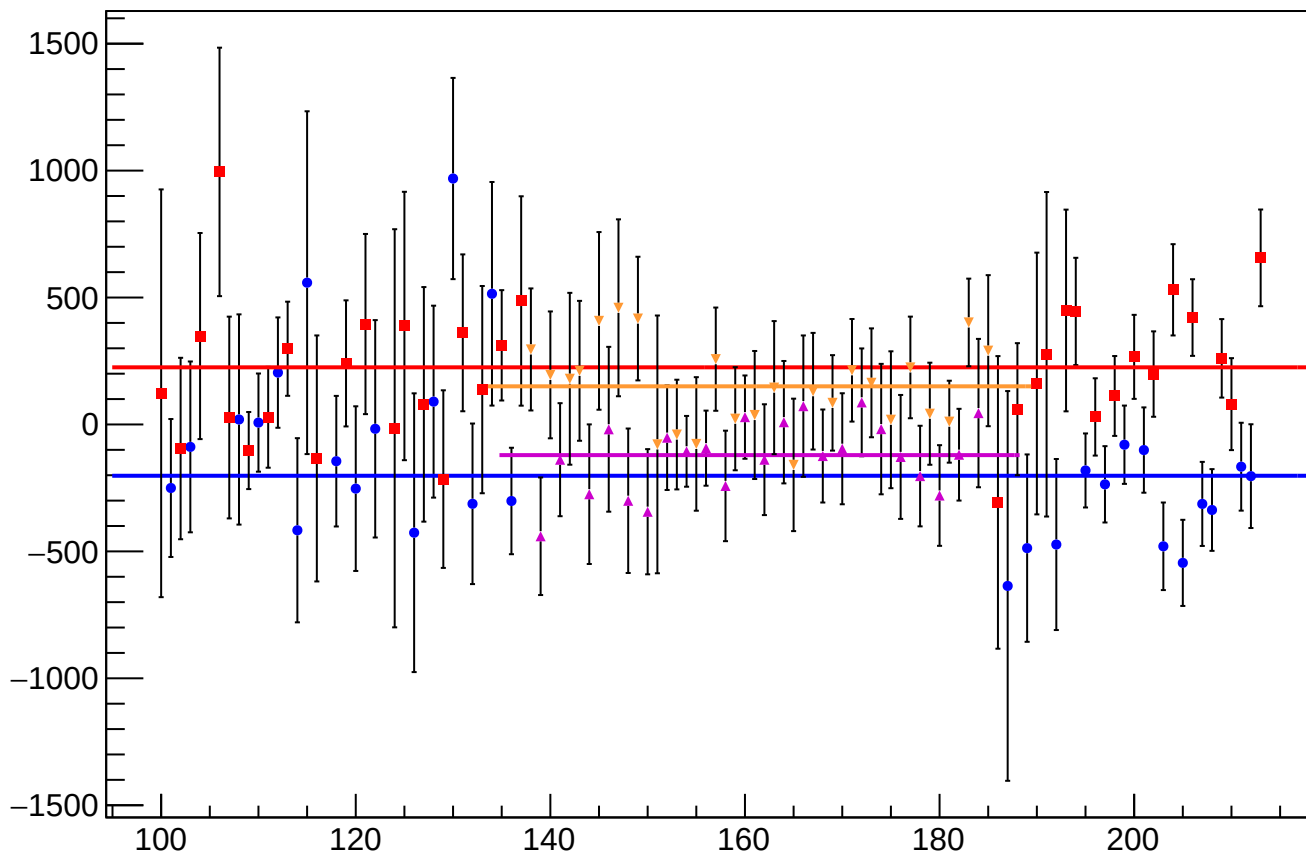
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF:15391.4/22

+ sign 22.419 $\pm$ 0.003 χ^2 /NDF: 66176.9/53

All: 22.417 $\pm$ 0.002 χ^2 /NDF: 137273.2/110

- sign 22.414 $\pm$ 0.003 χ^2 /NDF: 71094.7/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -202.081 ± 42.338 χ^2/NDF : 30.0/28

Left Out: 150.218 ± 46.535 χ^2/NDF : 11.0/24

Right Out: 225.065 ± 40.942 χ^2/NDF : 28.2/33

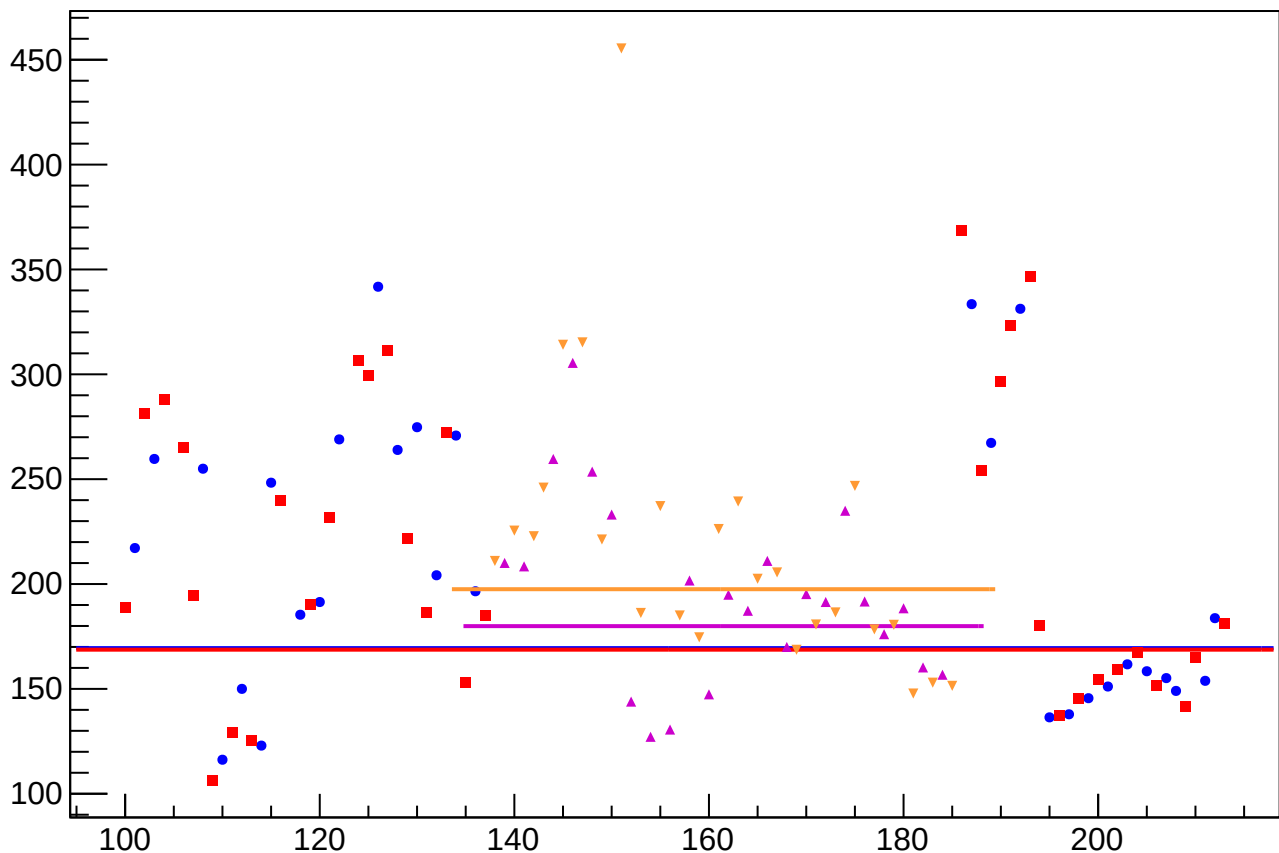
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -42.533 ± 31.316 χ^2/NDF : 72.3/53

All: 13.254 ± 21.644 χ^2/NDF : 147.6/110

- sign 64.273 ± 29.948 χ^2/NDF : 69.3/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.443 $\pm$ 0.030 χ^2 /NDF: 2311141.9/28

Left Out: 197.534 $\pm$ 0.033 χ^2 /NDF:1789891.0/24

Right Out: 168.702 $\pm$ 0.029 χ^2 /NDF: 3028101.6/33

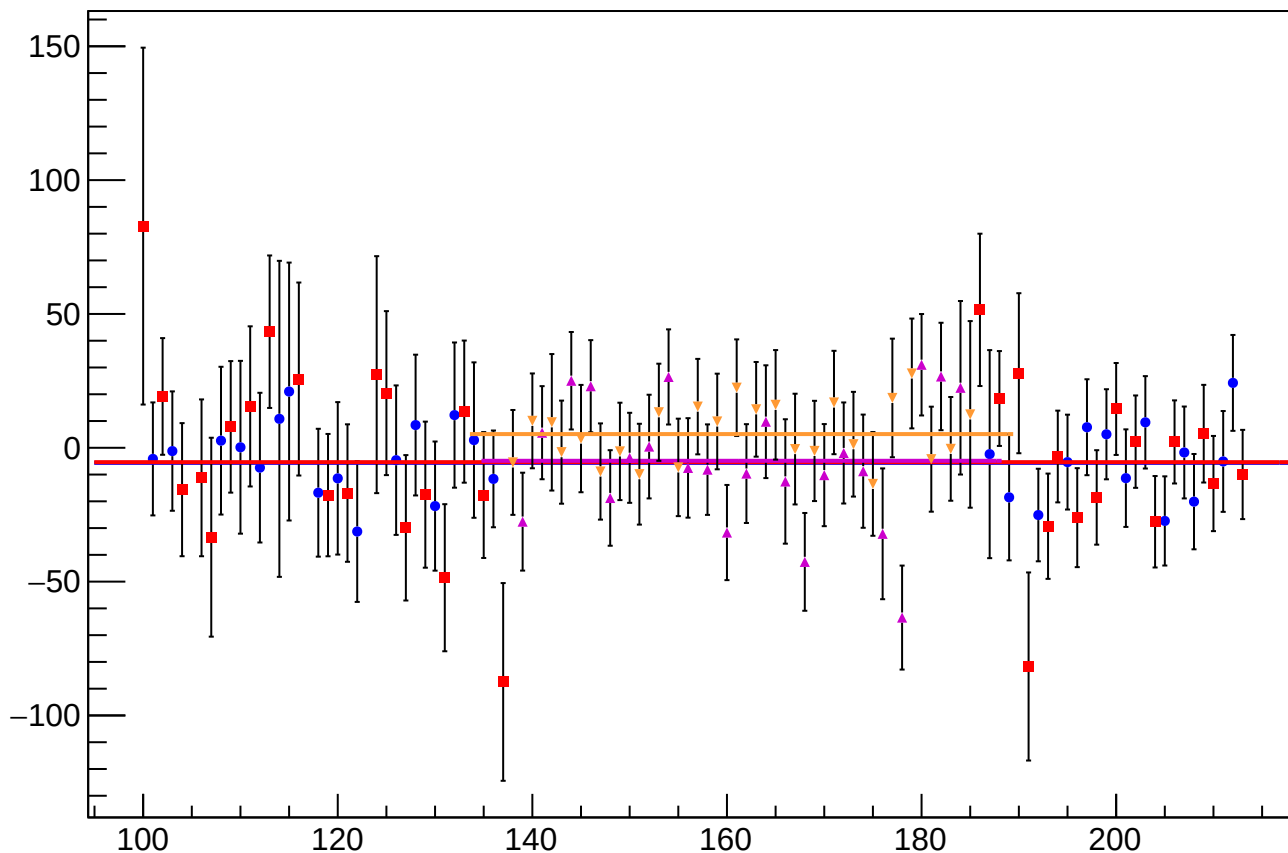
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 182.165 $\pm$ 0.022 χ^2 /NDF: 4499787.6/53

All: 177.858 $\pm$ 0.015 χ^2 /NDF: 9294308.2/110

- sign 173.919 $\pm$ 0.021 χ^2 /NDF: 4722103.4/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.628 ± 4.045 χ^2/NDF : 11.7/28

Left Out: 5.119 ± 3.890 χ^2/NDF : 7.9/24

Right Out: -5.375 ± 3.888 χ^2/NDF : 38.3/33

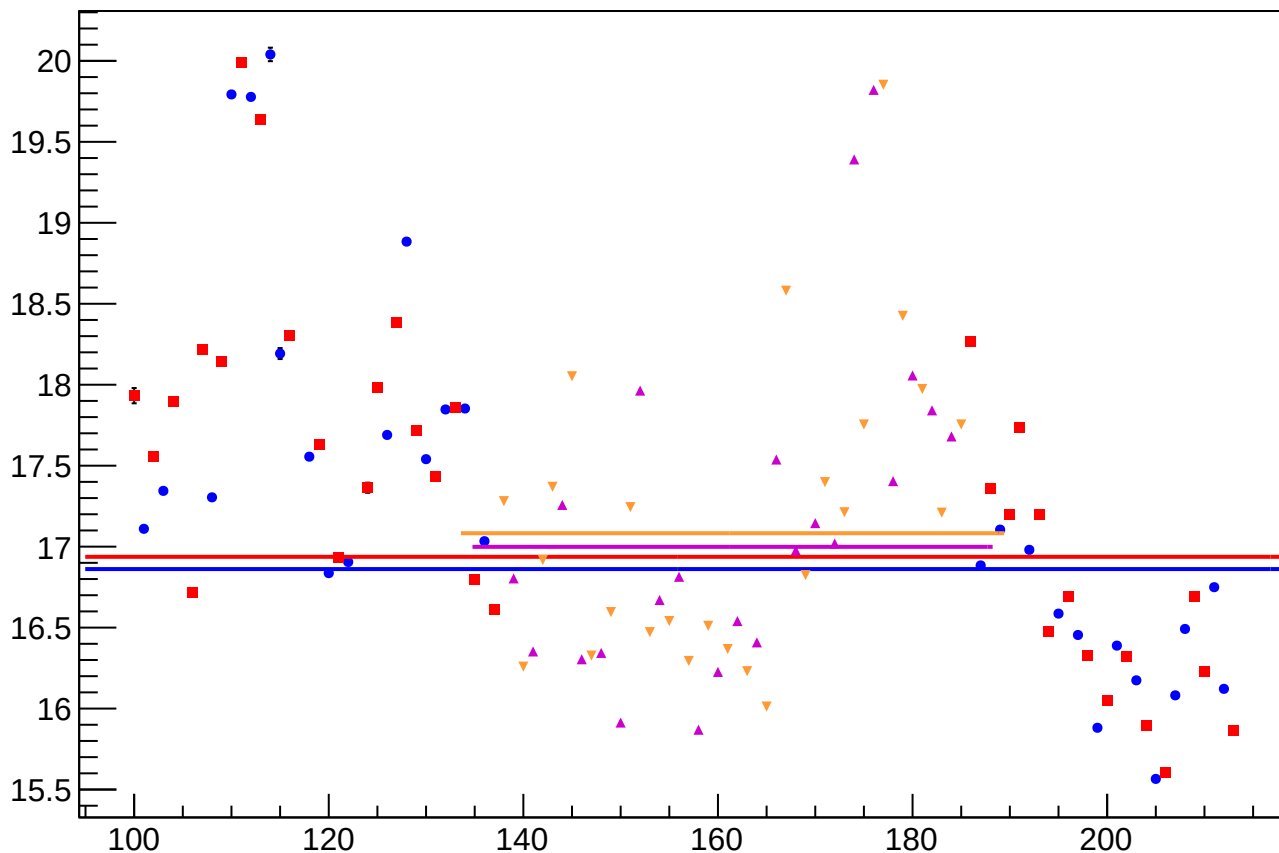
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign -0.044 ± 2.804 χ^2/NDF : 23.3/53

All: -2.604 ± 1.975 χ^2/NDF : 98.8/110

- sign -5.122 ± 2.781 χ^2/NDF : 73.9/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.861 $\pm$ 0.003 χ^2/NDF : 103020.6/28

Left Out: 17.083 $\pm$ 0.003 χ^2/NDF : 96774.9/24

Right Out: 16.937 $\pm$ 0.003 χ^2/NDF : 122156.3/33

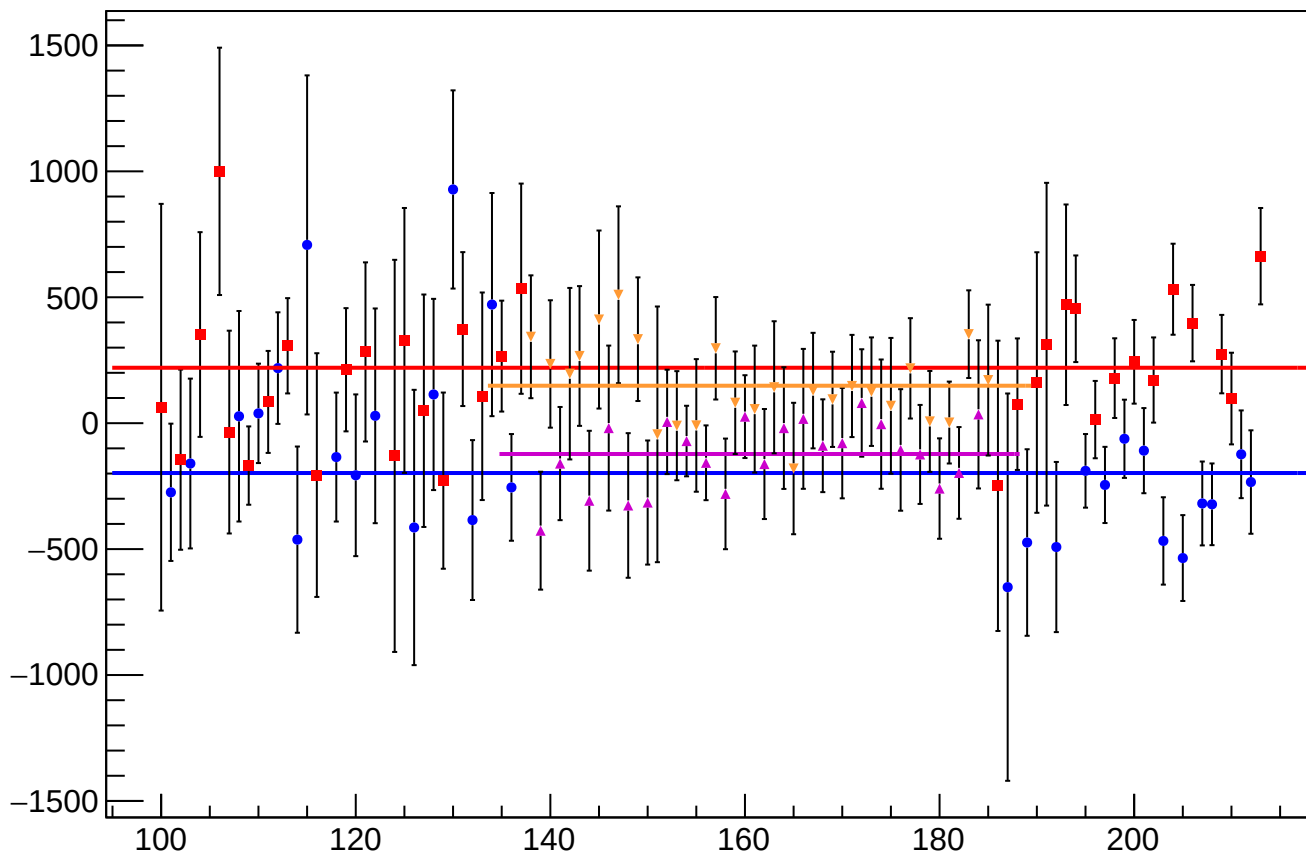
Left In: 16.999 $\pm$ 0.003 χ^2/NDF : 104021.0/22

+ sign 16.977 $\pm$ 0.002 χ^2/NDF : 202908.7/53

All: 16.972 $\pm$ 0.001 χ^2/NDF : 429341.9/110

- sign 16.967 $\pm$ 0.002 χ^2/NDF : 226422.2/56

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -197.855 $\pm$ 42.595 χ^2 /NDF: 30.2/28

Left Out: 148.758 $\pm$ 46.714 χ^2 /NDF: 9.5/24

Right Out: 220.106 $\pm$ 41.232 χ^2 /NDF: 29.6/33

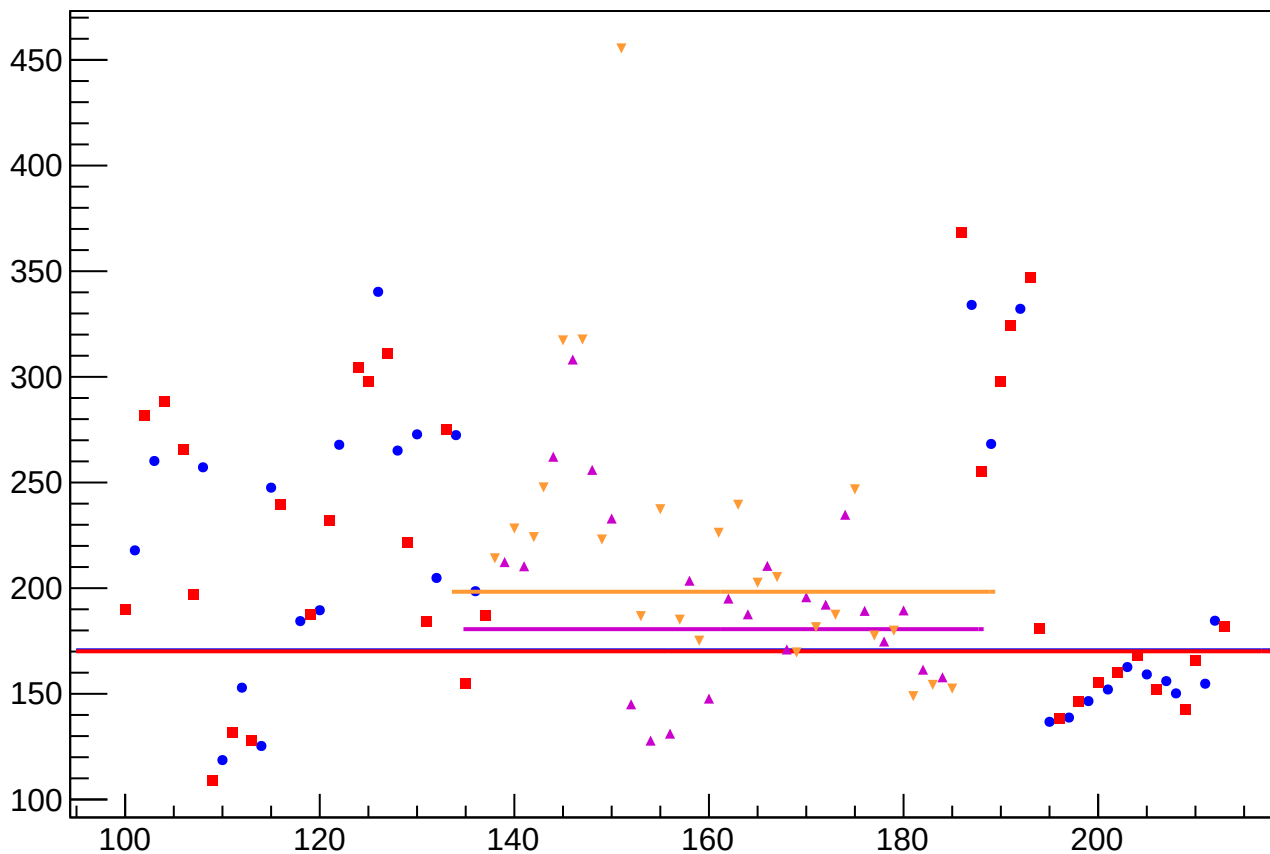
Left In: -122.376 $\pm$ 44.081 χ^2 /NDF: 7.9/22

+ sign -40.500 $\pm$ 31.475 χ^2 /NDF: 69.8/53

All: 12.123 $\pm$ 21.758 χ^2 /NDF: 144.9/110

- sign 60.288 $\pm$ 30.112 χ^2 /NDF: 69.7/56

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.591 $\pm$ 0.030 χ^2 /NDF: 2267685.1/28

Left Out: 198.313 $\pm$ 0.033 χ^2 /NDF: 1790279.4/24

Right Out: 170.123 $\pm$ 0.029 χ^2 /NDF: 2938412.4/33

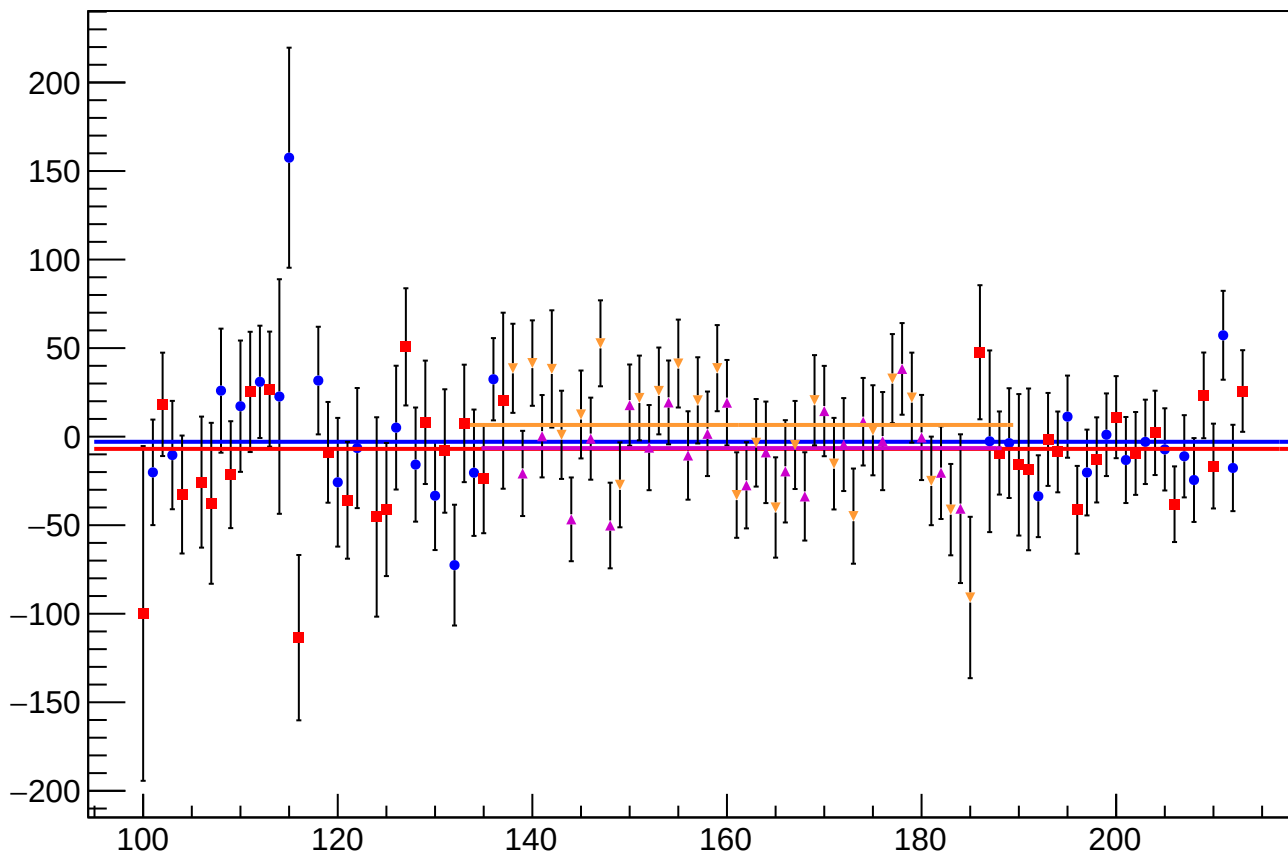
Left In: 180.601 $\pm$ 0.031 χ^2 /NDF: 1628072.3/22

+ sign 183.176 $\pm$ 0.022 χ^2 /NDF: 4442563.9/53

All: 178.914 $\pm$ 0.015 χ^2 /NDF: 9139564.4/110

- sign 175.013 $\pm$ 0.021 χ^2 /NDF: 4626756.7/56

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.904 ± 5.331 χ^2/NDF : 28.9/28

Left Out: 6.611 ± 5.117 χ^2/NDF : 36.9/24

Right Out: -6.911 ± 5.116 χ^2/NDF : 27.4/33

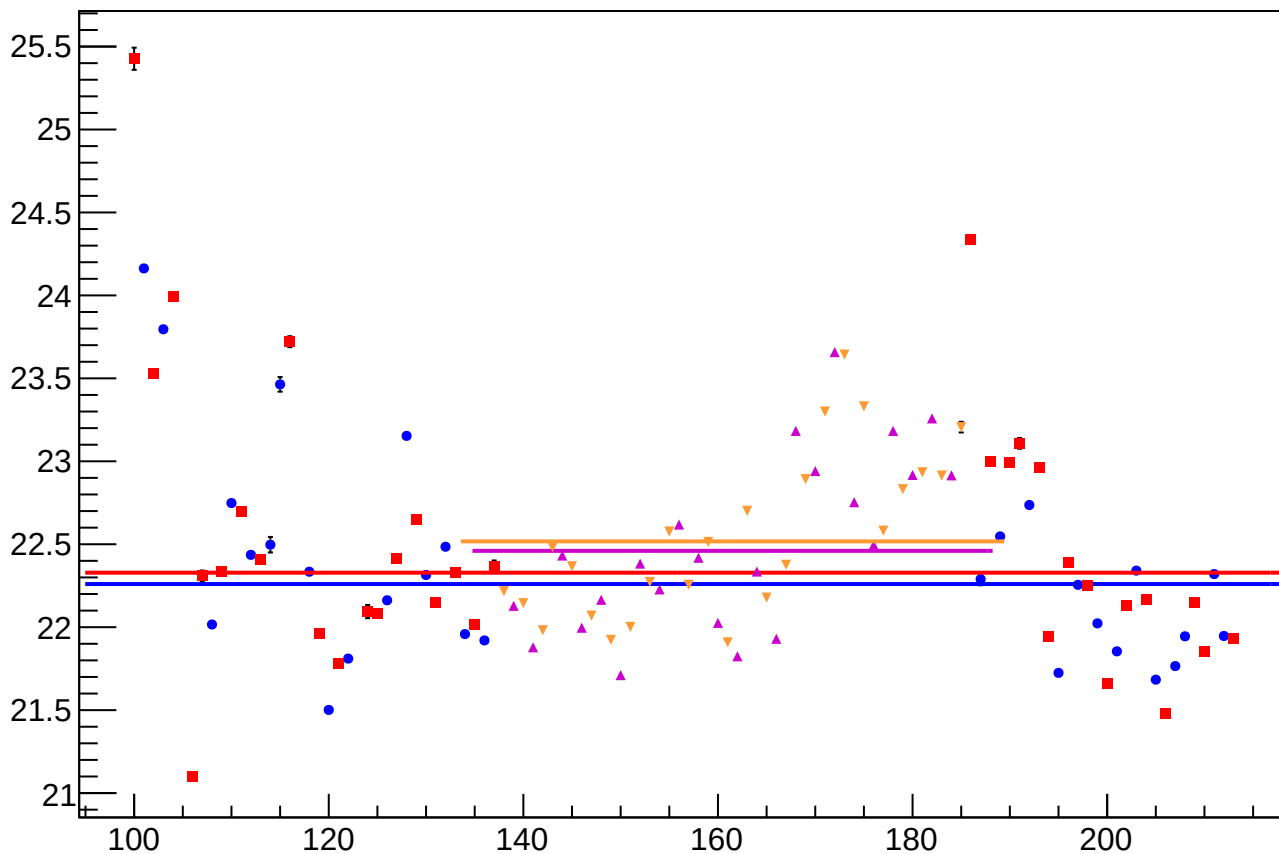
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign 2.048 ± 3.692 χ^2/NDF : 67.5/53

All: -2.361 ± 2.600 χ^2/NDF : 115.1/110

- sign -6.702 ± 3.663 χ^2/NDF : 44.8/56

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.260 $\pm$ 0.004 χ^2 /NDF: 23640.1/28

Left Out: 22.517 $\pm$ 0.004 χ^2 /NDF:16002.5/24

Right Out: 22.329 $\pm$ 0.004 χ^2 /NDF: 32931.2/33

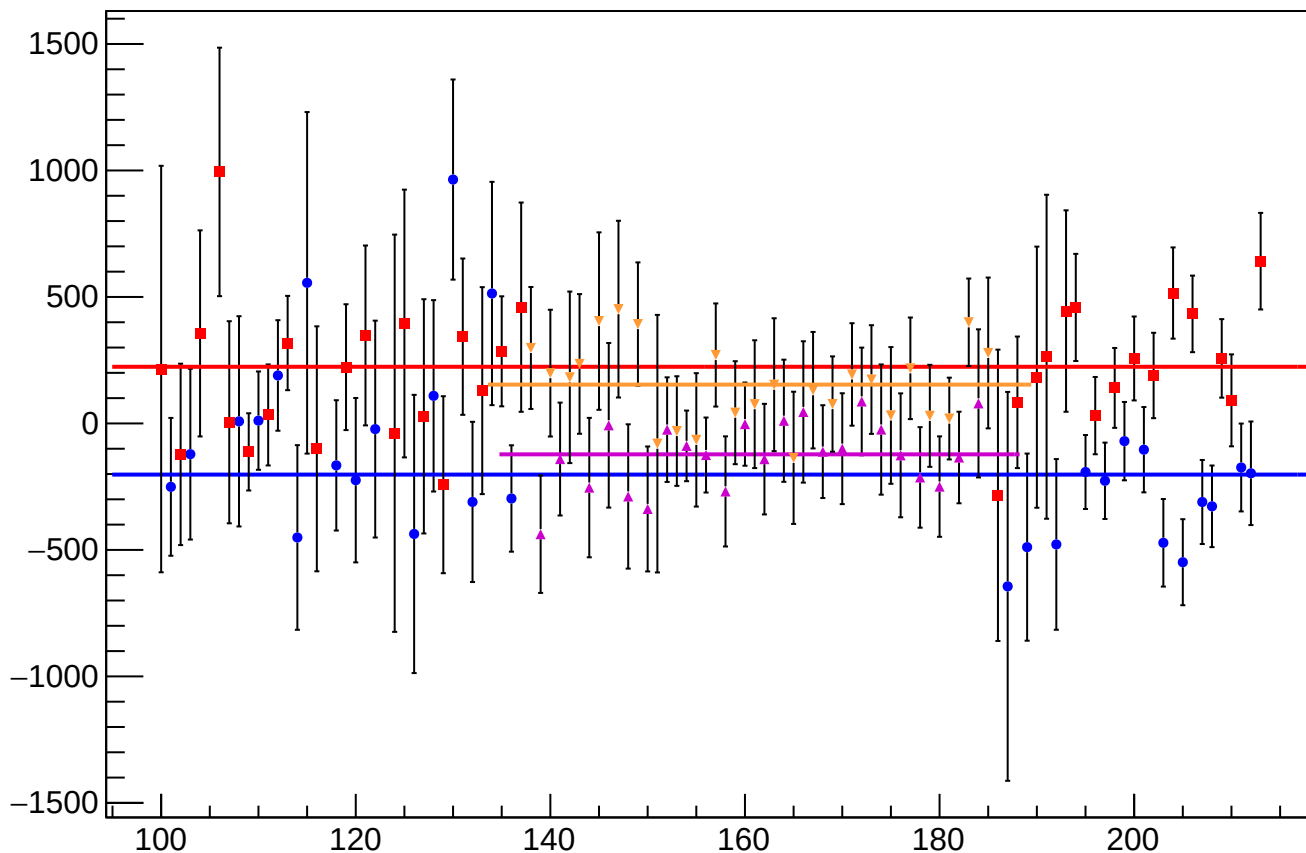
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF:19117.2/22

+ sign 22.394 $\pm$ 0.003 χ^2 /NDF: 42067.6/53

All: 22.393 $\pm$ 0.002 χ^2 /NDF: 94761.8/110

- sign 22.393 $\pm$ 0.003 χ^2 /NDF: 52694.0/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -202.230 $\pm$ 42.466 χ^2 /NDF: 29.5/28

Left Out: 153.507 $\pm$ 46.636 χ^2 /NDF:10.1/24

Right Out: 223.972 $\pm$ 41.066 χ^2 /NDF: 27.6/33

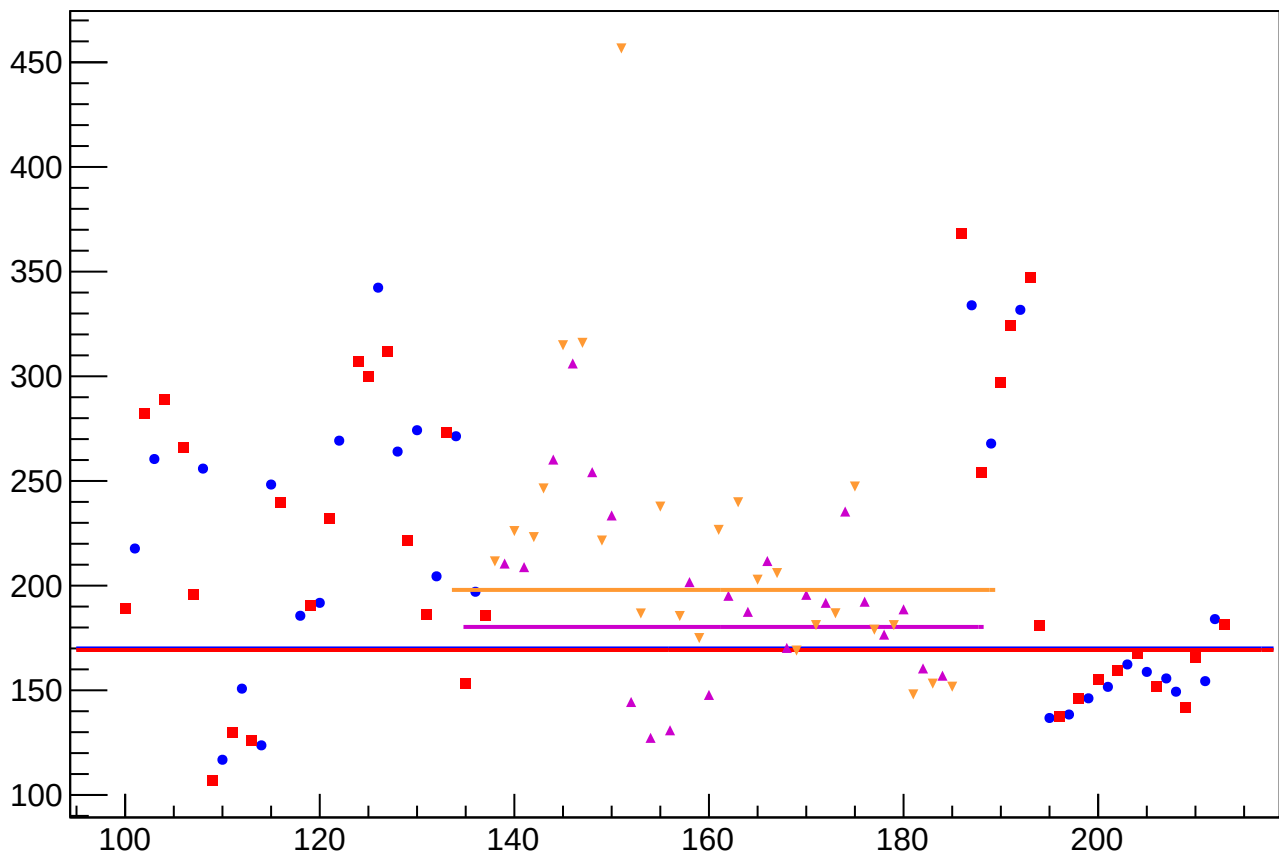
Left In: -122.165 $\pm$ 44.006 χ^2 /NDF:7.5/22

+ sign -40.973 $\pm$ 31.399 χ^2 /NDF: 71.4/53

All: 13.263 $\pm$ 21.700 χ^2 /NDF: 145.3/110

- sign 62.852 $\pm$ 30.024 χ^2 /NDF: 68.2/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 169.990 $\pm$ 0.030 χ^2 /NDF: 2297902.7/28

Left Out: 197.957 $\pm$ 0.033 χ^2 /NDF:1791354.6/24

Right Out: 169.257 $\pm$ 0.029 χ^2 /NDF: 3009235.0/33

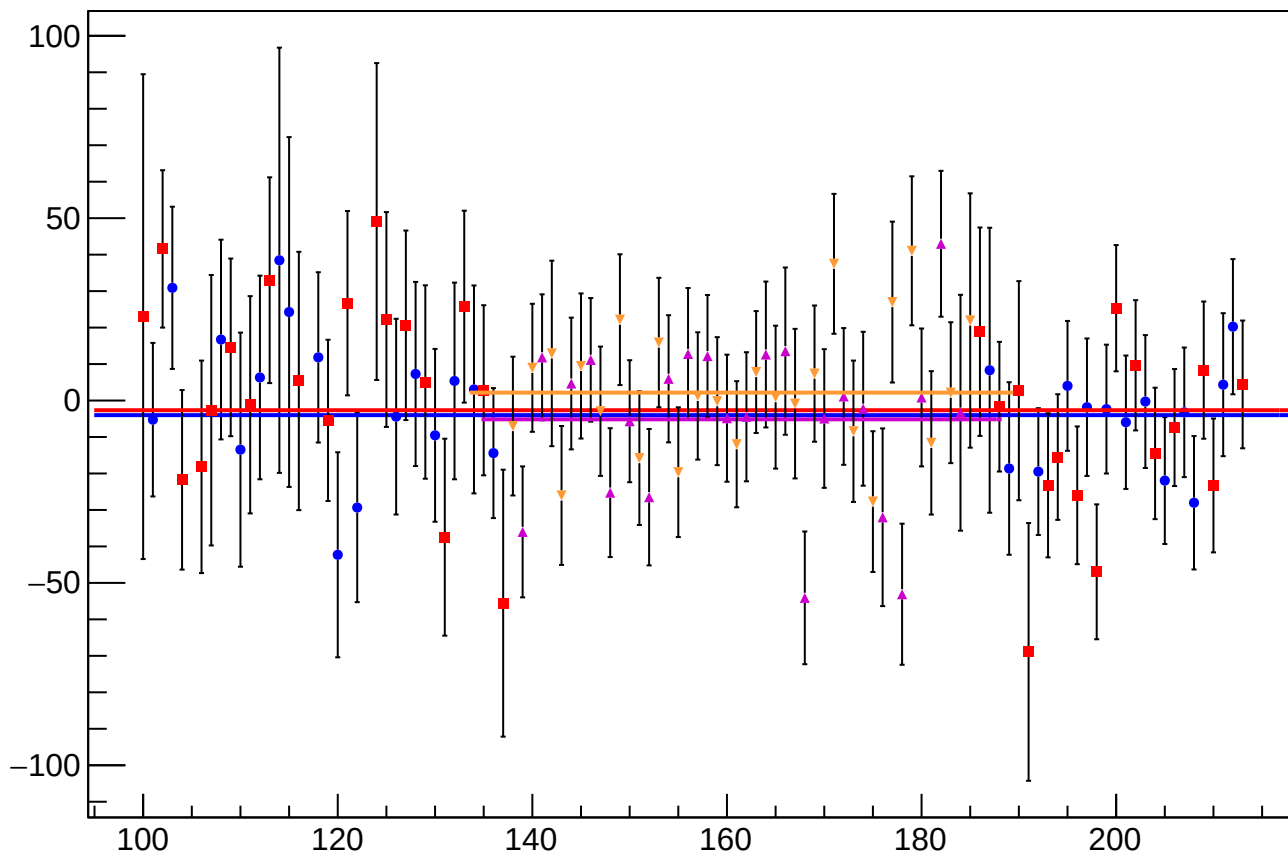
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 182.668 $\pm$ 0.022 χ^2 /NDF: 4482463.1/53

All: 178.341 $\pm$ 0.015 χ^2 /NDF: 9256085.4/110

- sign 174.385 $\pm$ 0.021 χ^2 /NDF: 4700925.4/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.005 ± 4.097 χ^2/NDF : 14.4/28

Left Out: 2.174 ± 3.825 χ^2/NDF : 20.0/24

Right Out: -2.656 ± 3.927 χ^2/NDF : 35.1/33

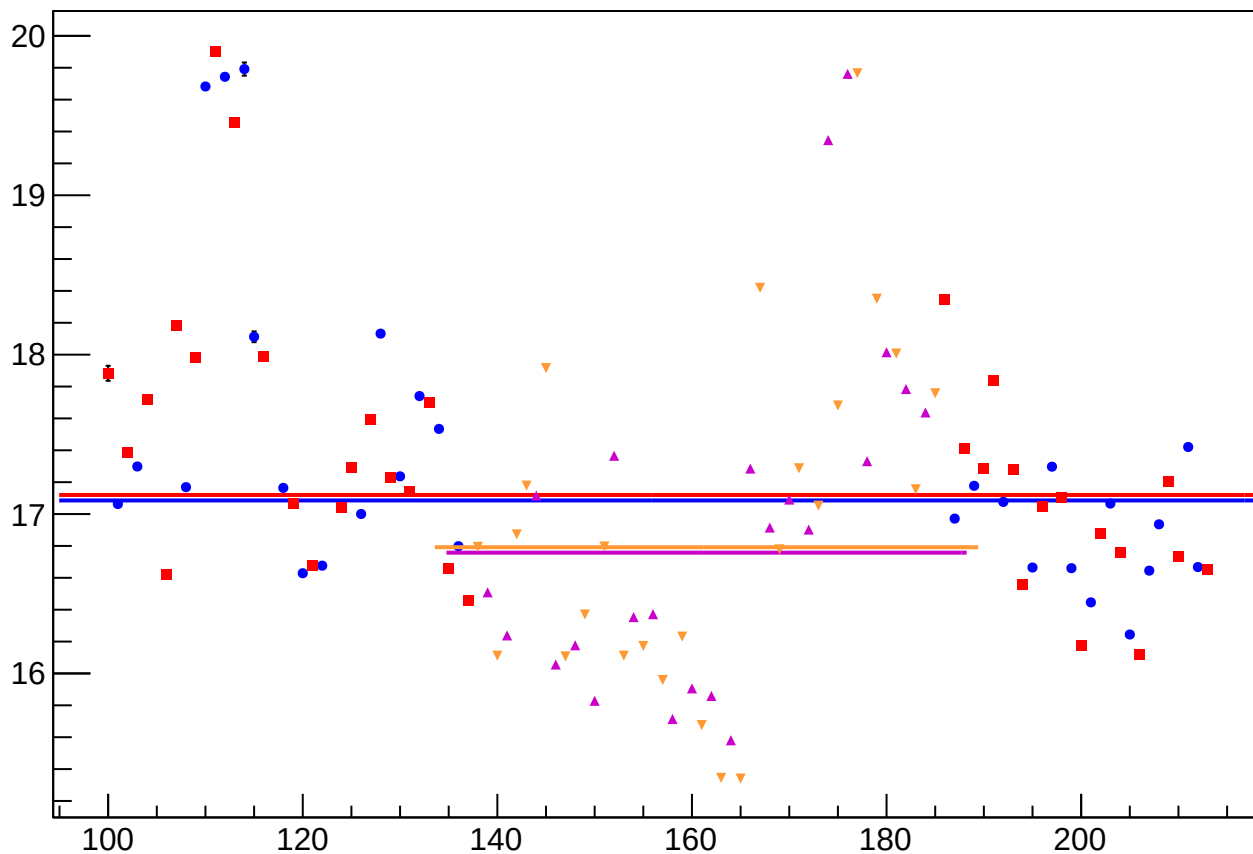
Left In: -5.150 ± 3.924 χ^2/NDF : 32.3/22

+ sign -0.704 ± 2.796 χ^2/NDF : 35.6/53

All: -2.316 ± 1.970 χ^2/NDF : 103.9/110

- sign -3.904 ± 2.776 χ^2/NDF : 67.6/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.085 $\pm$ 0.003 χ^2 /NDF: 56109.2/28

Left Out: 16.792 $\pm$ 0.003 χ^2 /NDF:137000.5/24

Right Out: 17.120 $\pm$ 0.003 χ^2 /NDF: 67332.2/33

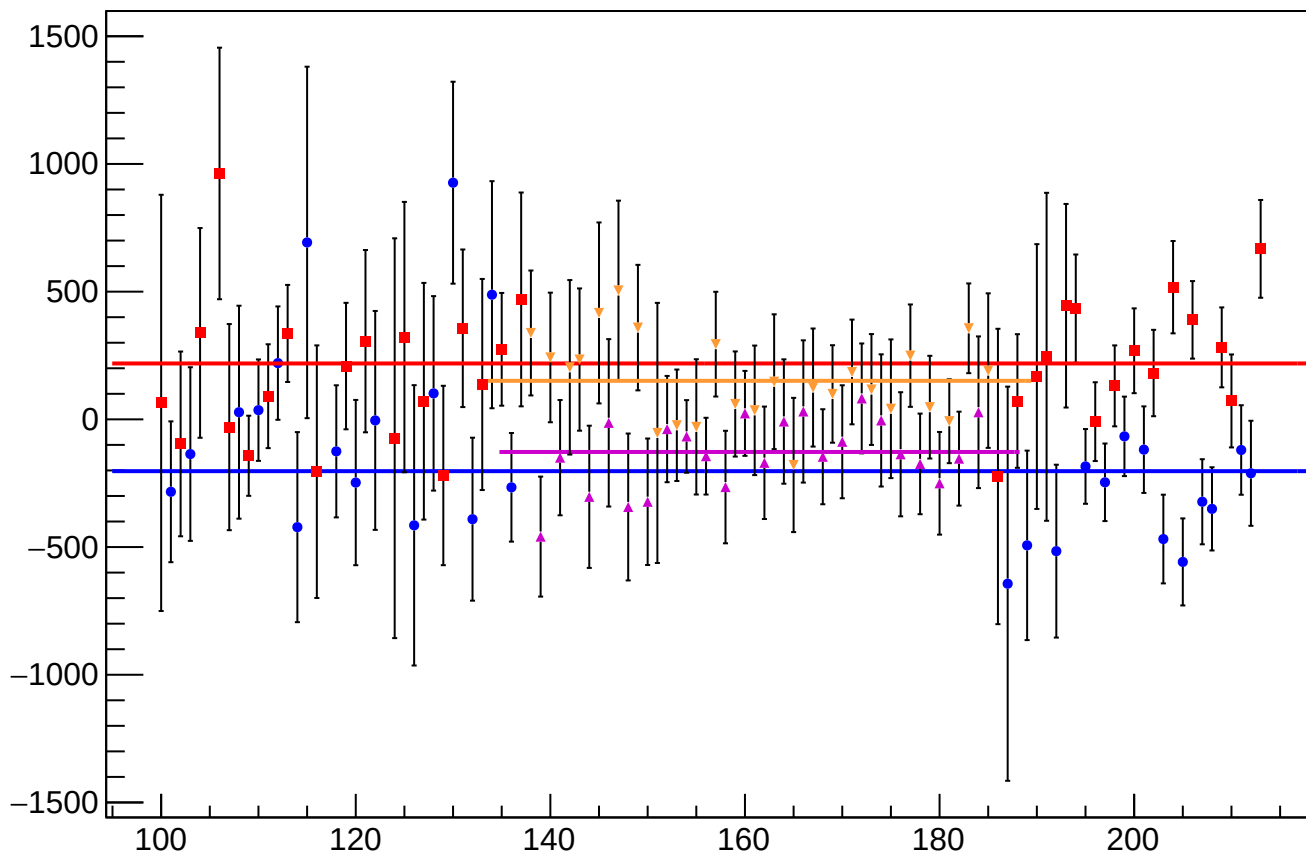
Left In: 16.758 $\pm$ 0.003 χ^2 /NDF:123306.8/22

+ sign 16.929 $\pm$ 0.002 χ^2 /NDF: 198589.0/53

All: 16.934 $\pm$ 0.001 χ^2 /NDF: 397745.9/110

- sign 16.939 $\pm$ 0.002 χ^2 /NDF: 199143.8/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -202.822 $\pm$ 42.735 χ^2 /NDF: 30.8/28

Left Out: 150.884 $\pm$ 47.035 χ^2 /NDF:10.0/24

Right Out: 218.840 $\pm$ 41.365 χ^2 /NDF: 28.1/33

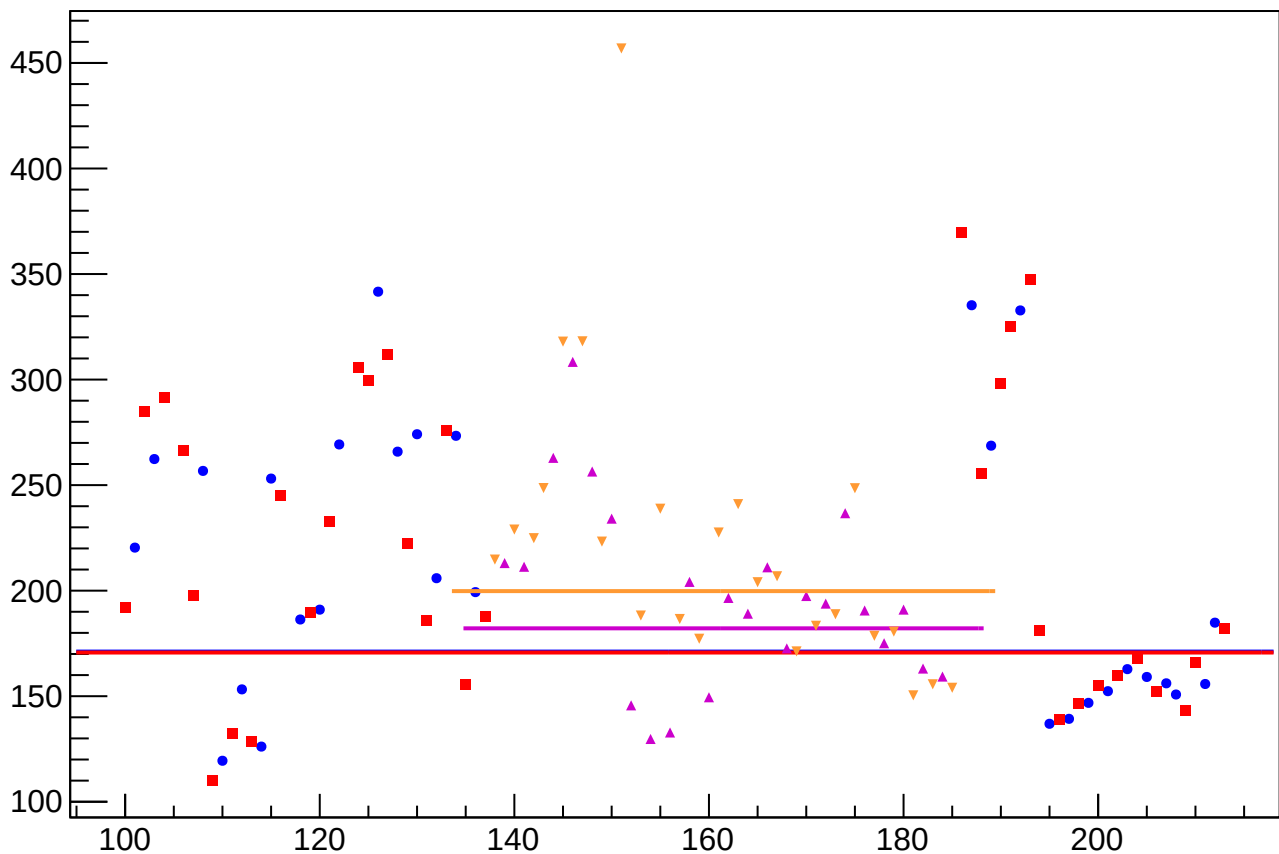
Left In: -127.710 $\pm$ 44.426 χ^2 /NDF:7.8/22

+ sign -42.871 $\pm$ 31.630 χ^2 /NDF: 71.8/53

All: 9.727 $\pm$ 21.870 χ^2 /NDF: 145.6/110

- sign 57.914 $\pm$ 30.274 χ^2 /NDF: 68.5/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.139+/-0.030 χ^2/NDF : 2276584.6/28

Left Out: 199.785+/-0.033 χ^2/NDF :1760326.2/24

Right Out: 170.693+/-0.029 χ^2/NDF : 2941117.0/33

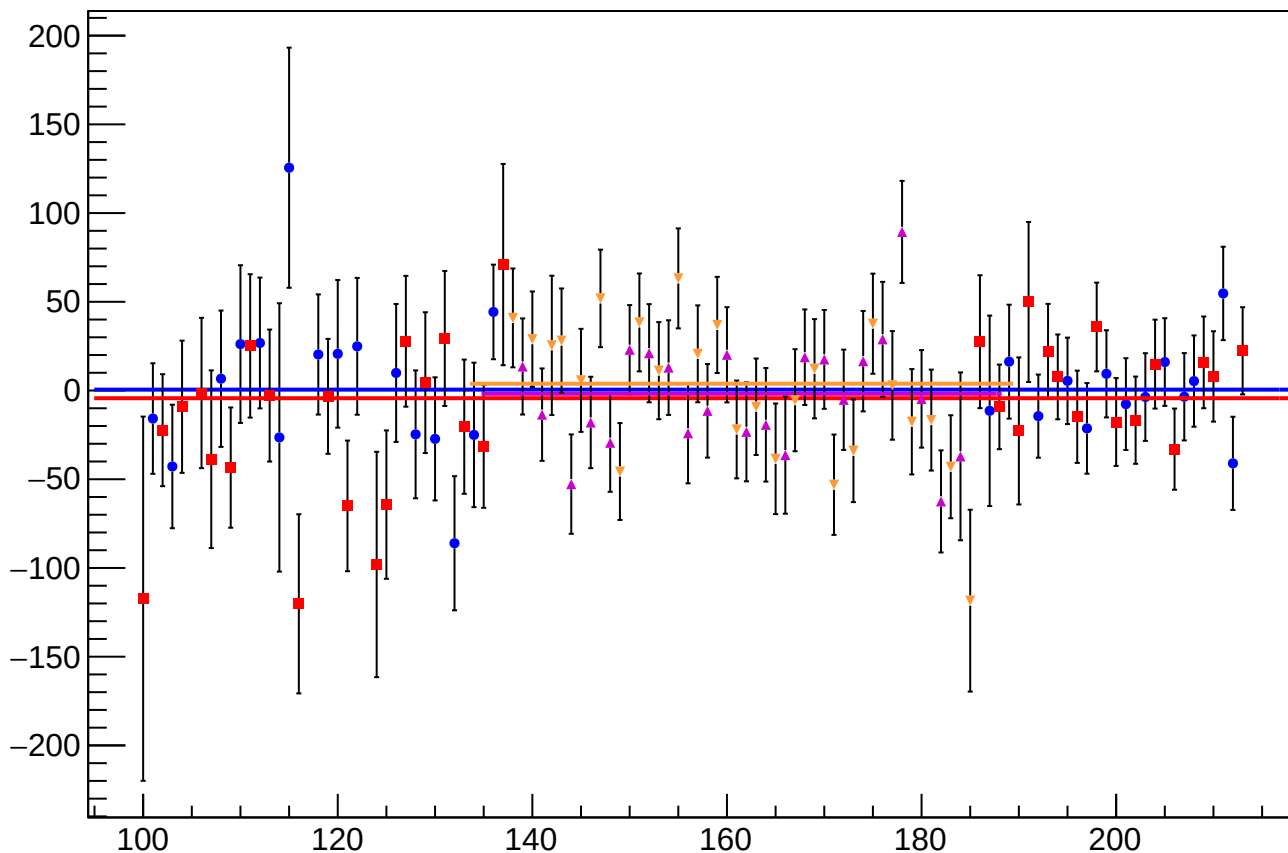
Left In: 182.150+/-0.031 χ^2/NDF :1584358.1/22

+ sign 184.093+/-0.022 χ^2/NDF : 4443281.4/53

All: 179.876+/-0.015 χ^2/NDF : 9108121.9/110

- sign 176.013+/-0.021 χ^2/NDF : 4596727.8/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.501 ± 5.763 $\chi^2/\text{NDF}: 25.7/28$

Left Out: 3.831 ± 5.789 $\chi^2/\text{NDF}: 37.6/24$

Right Out: -4.334 ± 5.499 $\chi^2/\text{NDF}: 31.4/33$

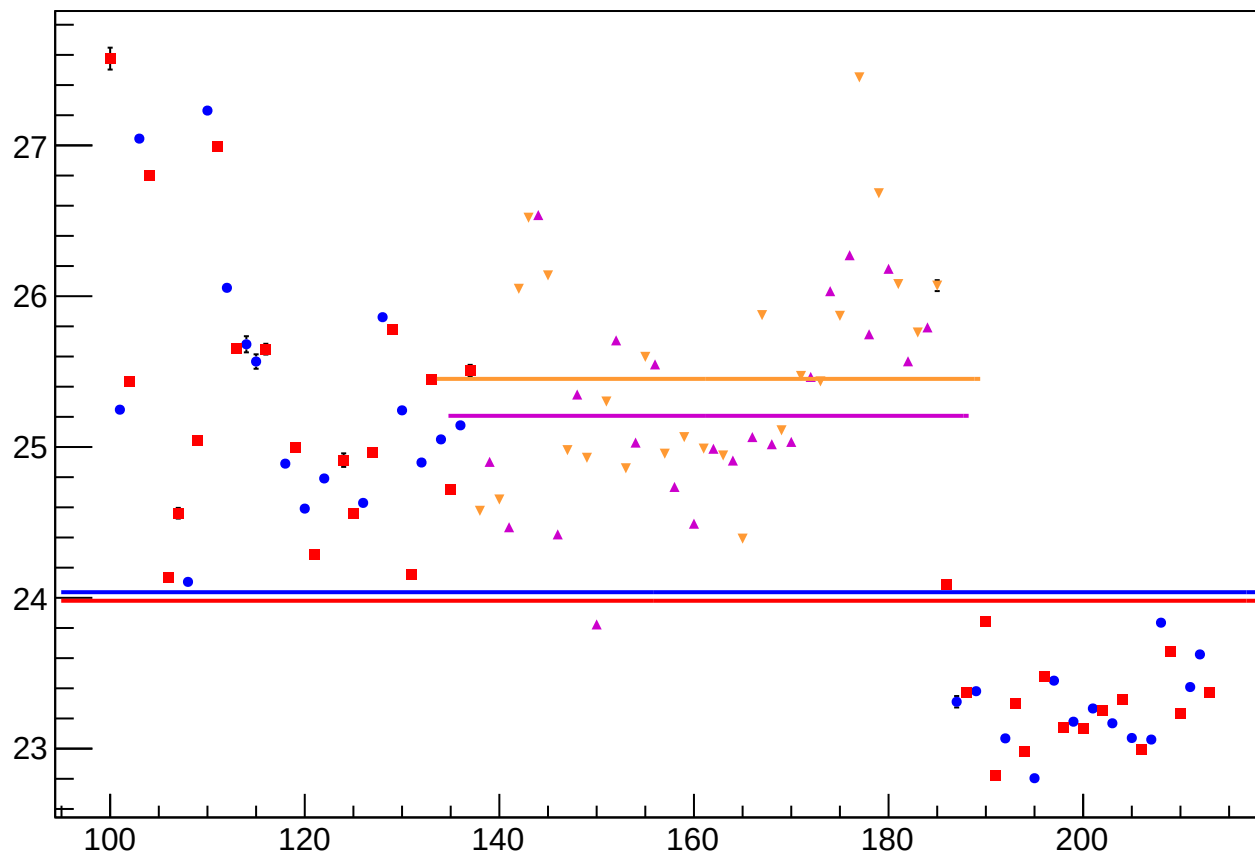
Left In: -1.850 ± 5.893 $\chi^2/\text{NDF}: 28.1/22$

+ sign 2.158 ± 4.084 $\chi^2/\text{NDF}: 63.4/53$

All: -0.552 ± 2.865 $\chi^2/\text{NDF}: 123.9/110$

- sign -3.178 ± 4.021 $\chi^2/\text{NDF}: 59.6/56$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.037 $\pm$ 0.004 χ^2/NDF : 77855.7/28

Left Out: 25.452 $\pm$ 0.004 χ^2/NDF : 29612.4/24

Right Out: 23.981 $\pm$ 0.004 χ^2/NDF : 74579.7/33

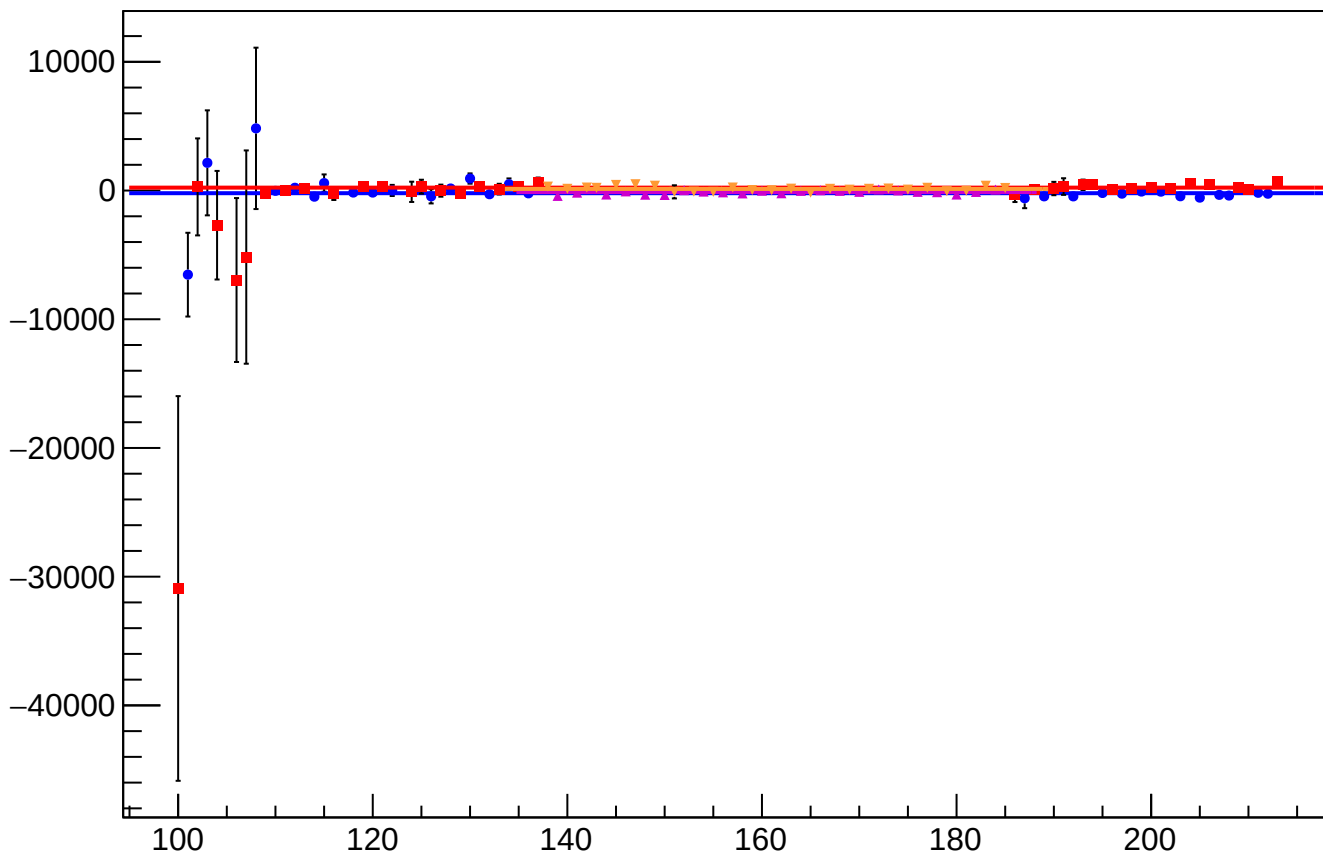
Left In: 25.207 $\pm$ 0.004 χ^2/NDF : 25827.4/22

+ sign 24.741 $\pm$ 0.003 χ^2/NDF : 167443.6/53

All: 24.645 $\pm$ 0.002 χ^2/NDF : 316343.1/110

- sign 24.551 $\pm$ 0.003 χ^2/NDF : 146699.2/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -205.674 ± 44.558 χ^2/NDF : 33.4/28

Left Out: 125.161 ± 46.925 χ^2/NDF : 11.1/24

Right Out: 227.080 ± 43.632 χ^2/NDF : 31.3/33

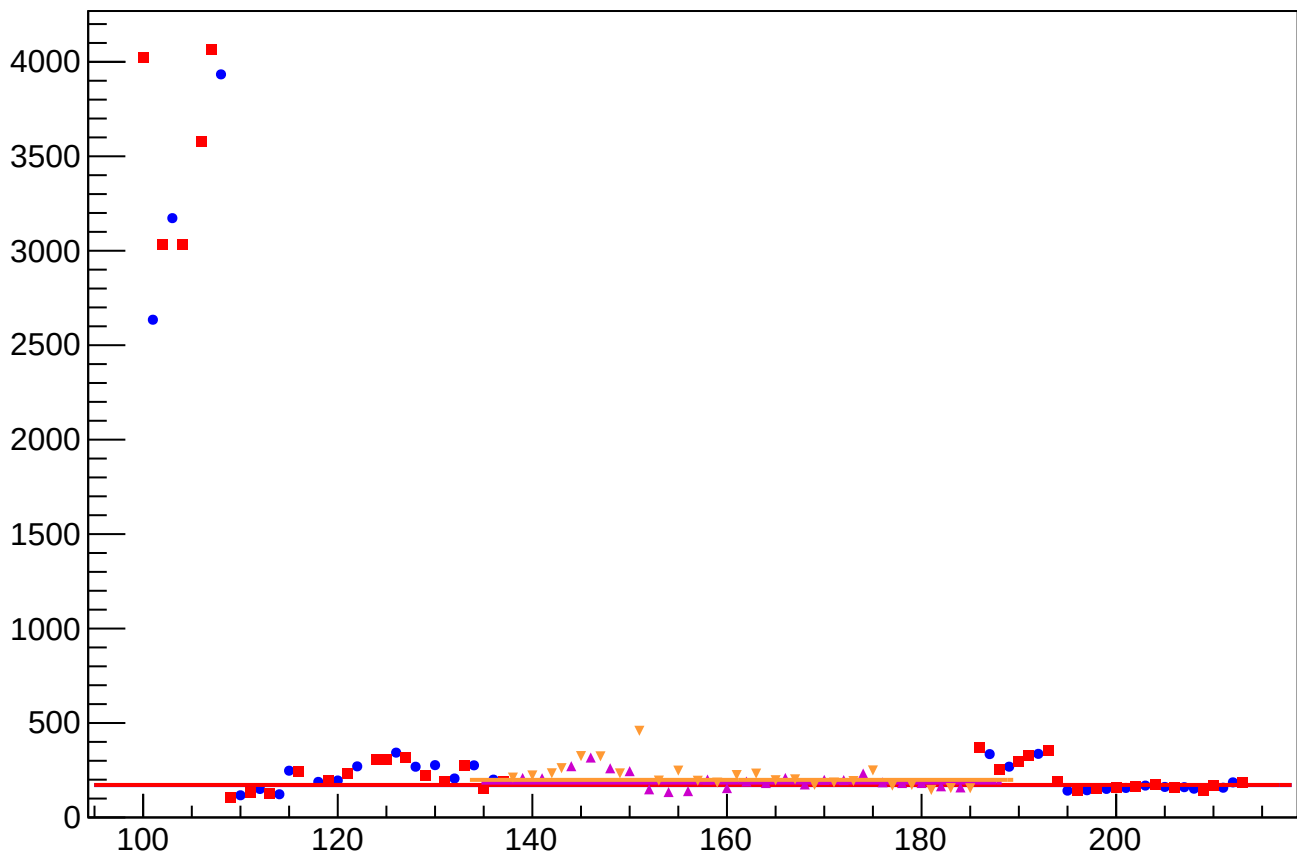
Left In: -117.291 ± 44.871 χ^2/NDF : 8.0/22

+ sign -48.814 ± 32.312 χ^2/NDF : 70.6/53

All: 7.208 ± 22.475 χ^2/NDF : 146.1/110

- sign 59.716 ± 31.282 χ^2/NDF : 69.6/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.281 $\pm$ 0.032 χ^2 /NDF: 4878760.4/28

Left Out: 198.994 $\pm$ 0.033 χ^2 /NDF: 1902155.1/24

Right Out: 172.122 $\pm$ 0.031 χ^2 /NDF: 5587086.1/33

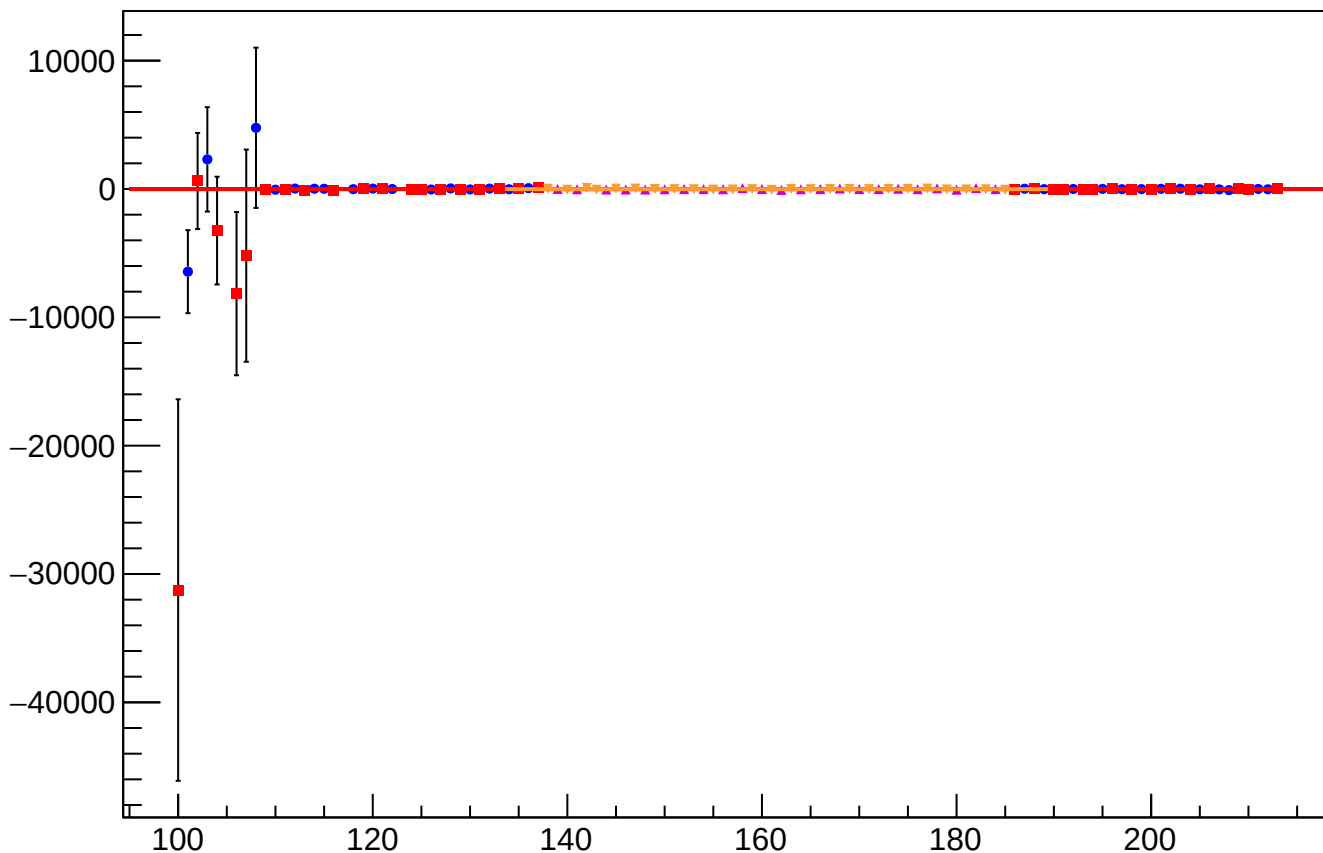
Left In: 184.399 $\pm$ 0.032 χ^2 /NDF: 1446306.0/22

+ sign 184.421 $\pm$ 0.023 χ^2 /NDF: 7147721.5/53

All: 181.152 $\pm$ 0.016 χ^2 /NDF: 14297722.1/11

- sign 178.088 $\pm$ 0.022 χ^2 /NDF: 7110347.6/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.546 ± 6.885 χ^2/NDF : 28.7/28

Left Out: -14.827 ± 6.512 χ^2/NDF : 22.2/24

Right Out: -5.536 ± 6.657 χ^2/NDF : 39.8/33

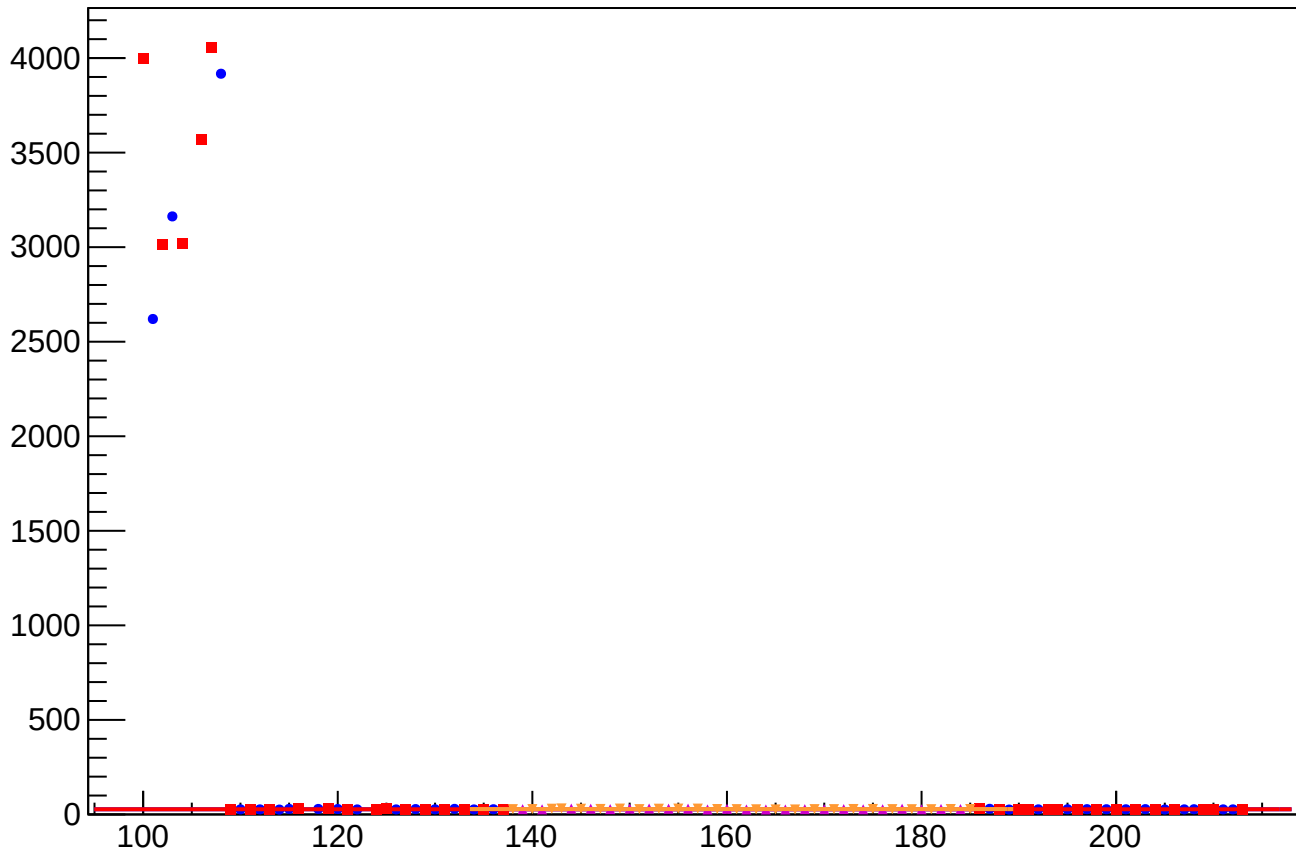
Left In: -2.172 ± 6.703 χ^2/NDF : 28.3/22

+ sign -9.973 ± 4.731 χ^2/NDF : 52.1/53

All: -6.915 ± 3.343 χ^2/NDF : 121.1/110

- sign -3.866 ± 4.724 χ^2/NDF : 68.2/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.349 $\pm$ 0.005 χ^2 /NDF: 3281096.0/28

Left Out: 28.586 $\pm$ 0.005 χ^2 /NDF: 88130.9/24

Right Out: 27.387 $\pm$ 0.005 χ^2 /NDF: 3595203.5/33

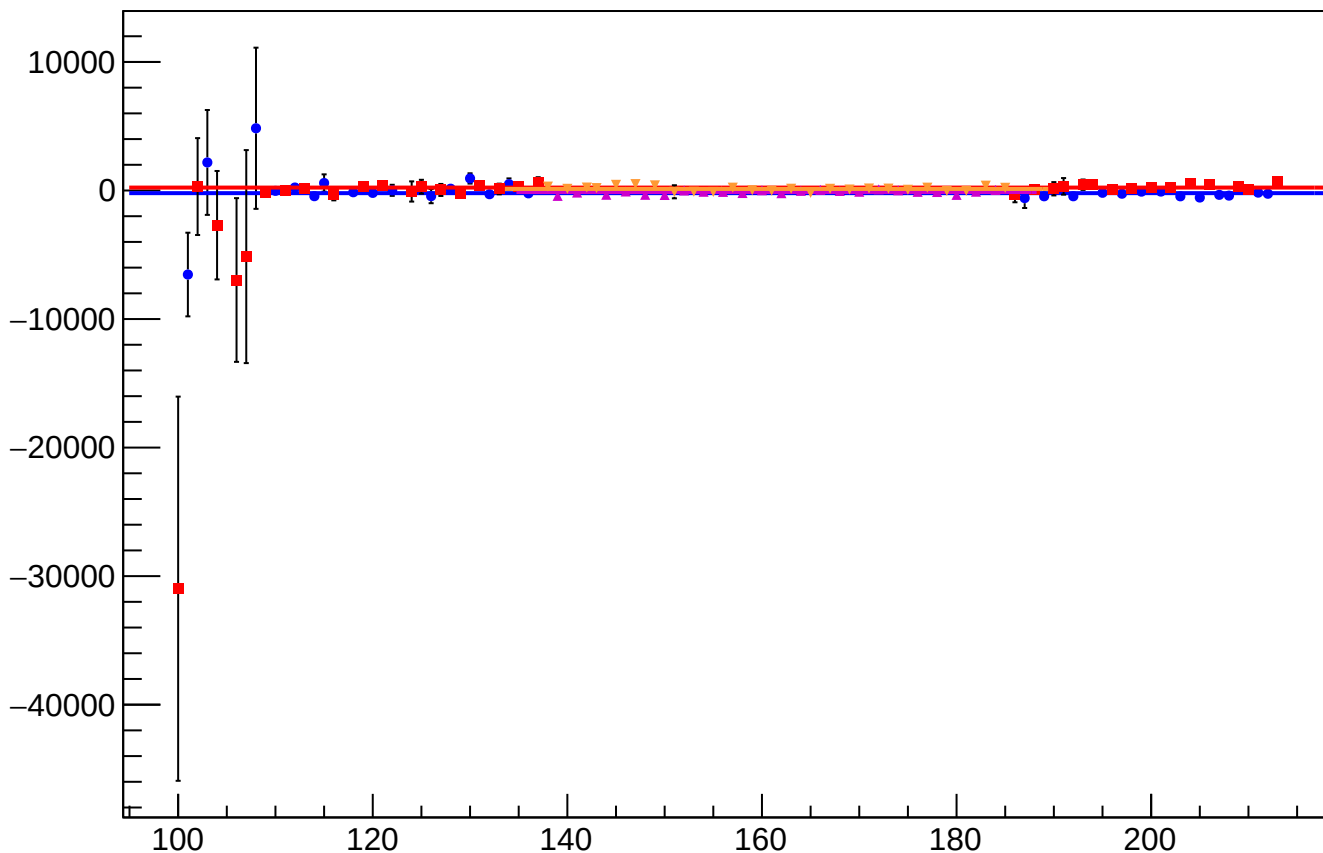
Left In: 28.606 $\pm$ 0.005 χ^2 /NDF: 122928.2/22

+ sign 28.002 $\pm$ 0.003 χ^2 /NDF: 3403290.1/53

All: 27.997 $\pm$ 0.002 χ^2 /NDF: 7154689.3/110

- sign 27.992 $\pm$ 0.003 χ^2 /NDF: 3751395.3/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -206.014 ± 44.429 χ^2/NDF : 33.8/28

Left Out: 121.915 ± 46.825 χ^2/NDF : 12.0/24

Right Out: 227.884 ± 43.510 χ^2/NDF : 32.2/33

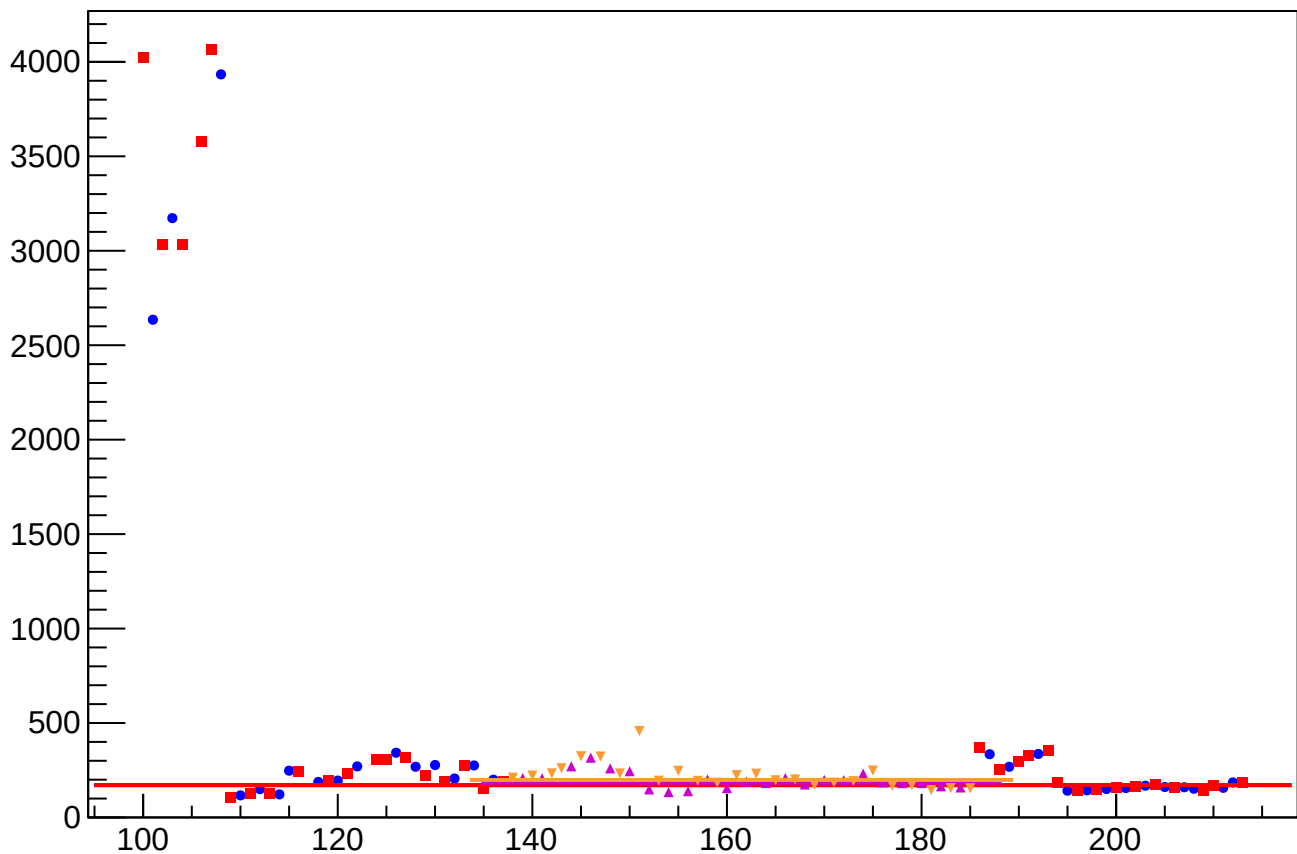
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -50.655 ± 32.230 χ^2/NDF : 71.6/53

All: 6.865 ± 22.420 χ^2/NDF : 148.8/110

- sign 60.794 ± 31.207 χ^2/NDF : 71.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.748 $\pm$ 0.031 χ^2 /NDF: 4892450.6/28

Left Out: 198.571 $\pm$ 0.033 χ^2 /NDF: 1901504.1/24

Right Out: 171.589 $\pm$ 0.031 χ^2 /NDF: 5605939.0/33

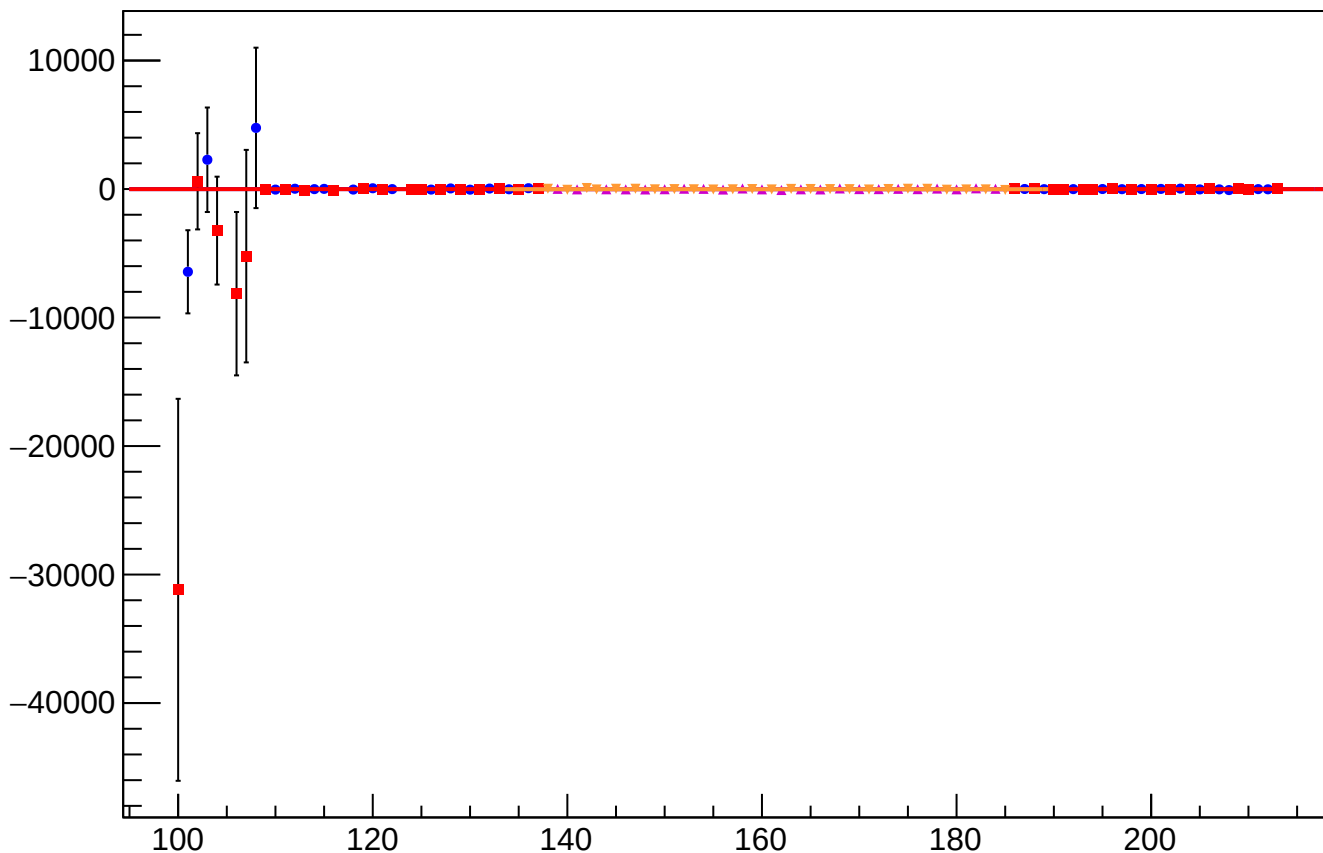
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF: 1445426.0/22

+ sign 183.929 $\pm$ 0.023 χ^2 /NDF: 7165540.4/53

All: 180.683 $\pm$ 0.016 χ^2 /NDF: 14335867.1/11

- sign 177.640 $\pm$ 0.022 χ^2 /NDF: 7131023.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.743 ± 6.853 χ^2/NDF : 29.2/28

Left Out: -11.862 ± 6.541 χ^2/NDF : 17.9/24

Right Out: -7.057 ± 6.631 χ^2/NDF : 37.8/33

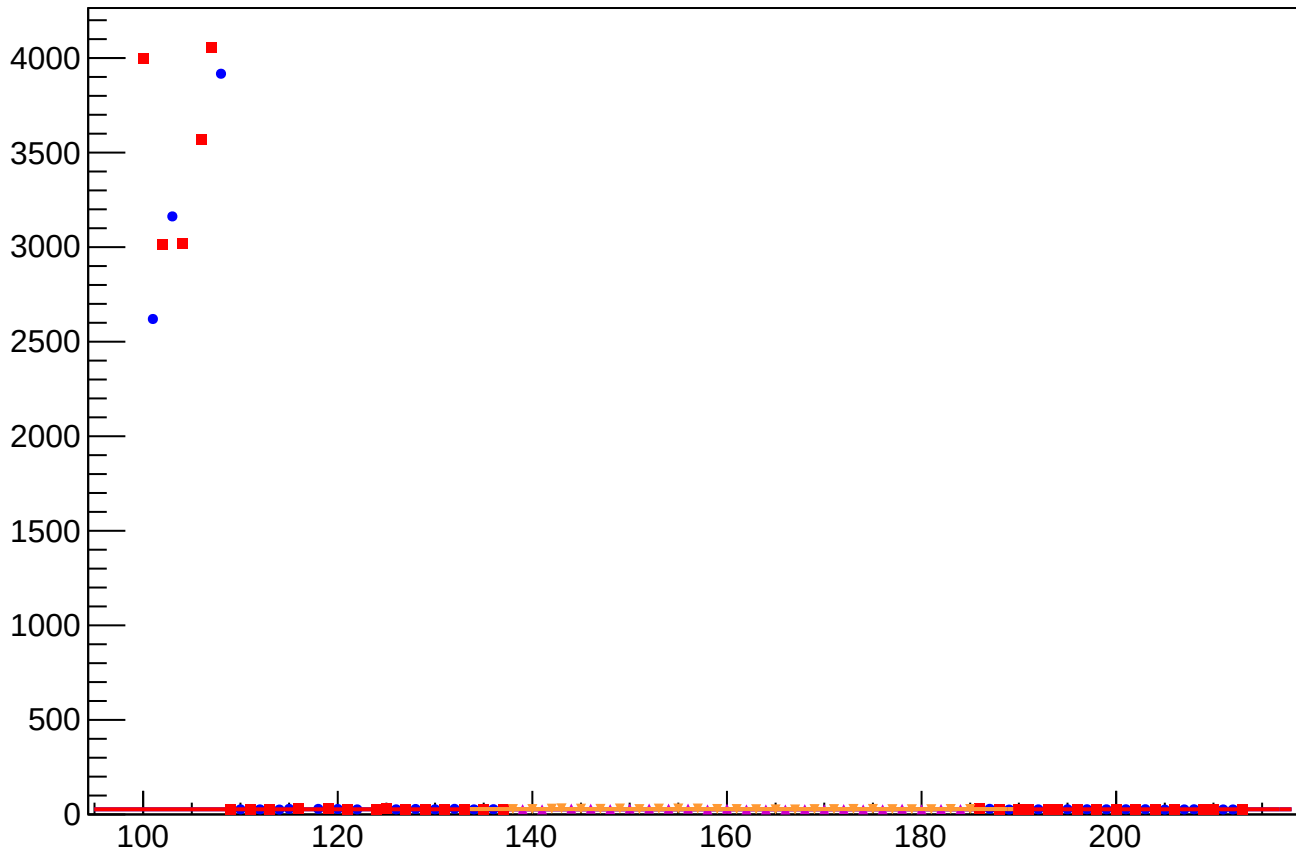
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -8.946 ± 4.732 χ^2/NDF : 47.5/53

All: -6.895 ± 3.343 χ^2/NDF : 108.0/110

- sign -4.851 ± 4.724 χ^2/NDF : 60.2/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.218 $\pm$ 0.005 χ^2 /NDF: 3288472.3/28

Left Out: 28.707 $\pm$ 0.005 χ^2 /NDF: 98865.9/24

Right Out: 27.278 $\pm$ 0.005 χ^2 /NDF: 3598479.8/33

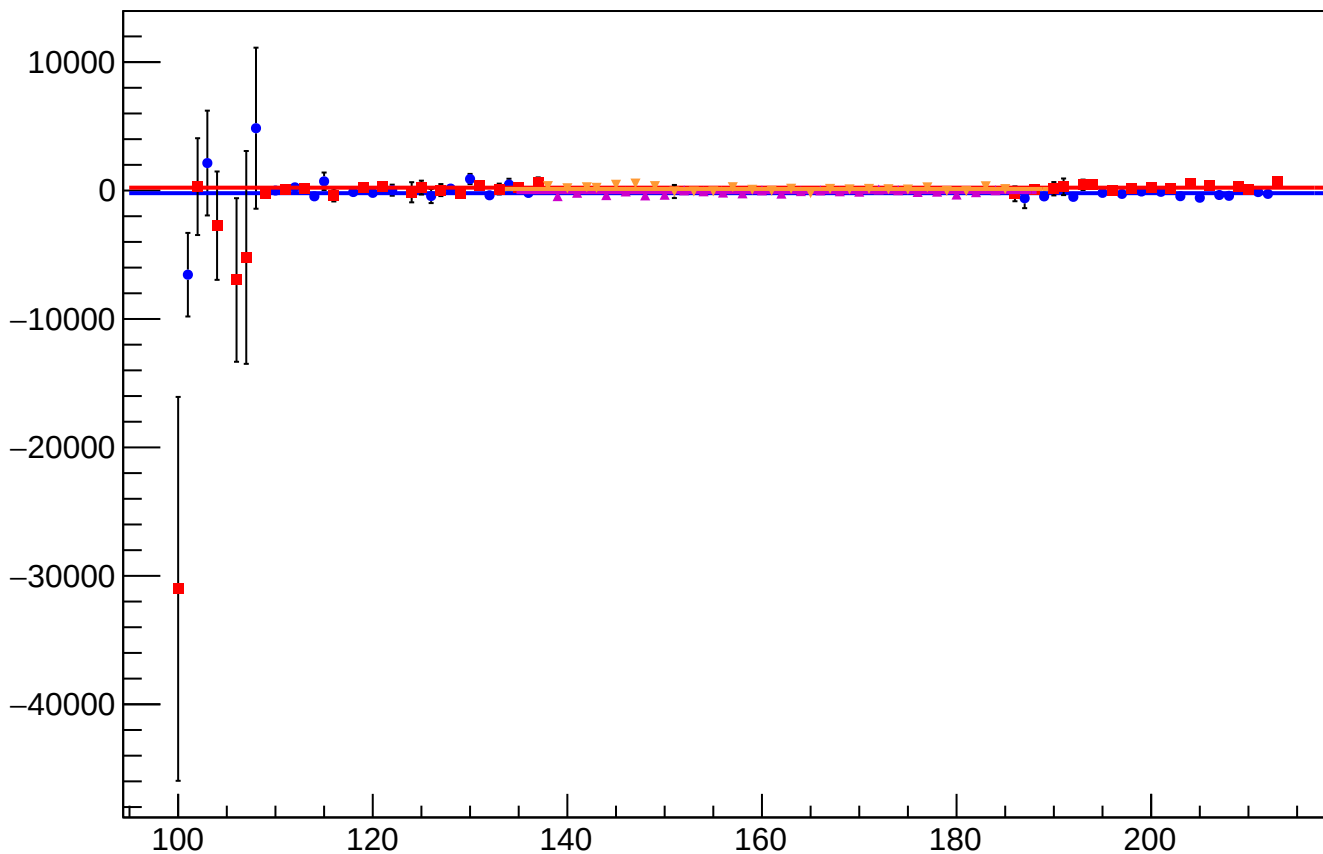
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 27.997 $\pm$ 0.003 χ^2 /NDF: 3436802.0/53

All: 27.995 $\pm$ 0.002 χ^2 /NDF: 7209713.9/110

- sign 27.992 $\pm$ 0.003 χ^2 /NDF: 3772910.7/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -205.184 ± 44.763 χ^2/NDF : 34.9/28

Left Out: 122.864 ± 47.300 χ^2/NDF : 11.3/24

Right Out: 224.411 ± 43.836 χ^2/NDF : 31.2/33

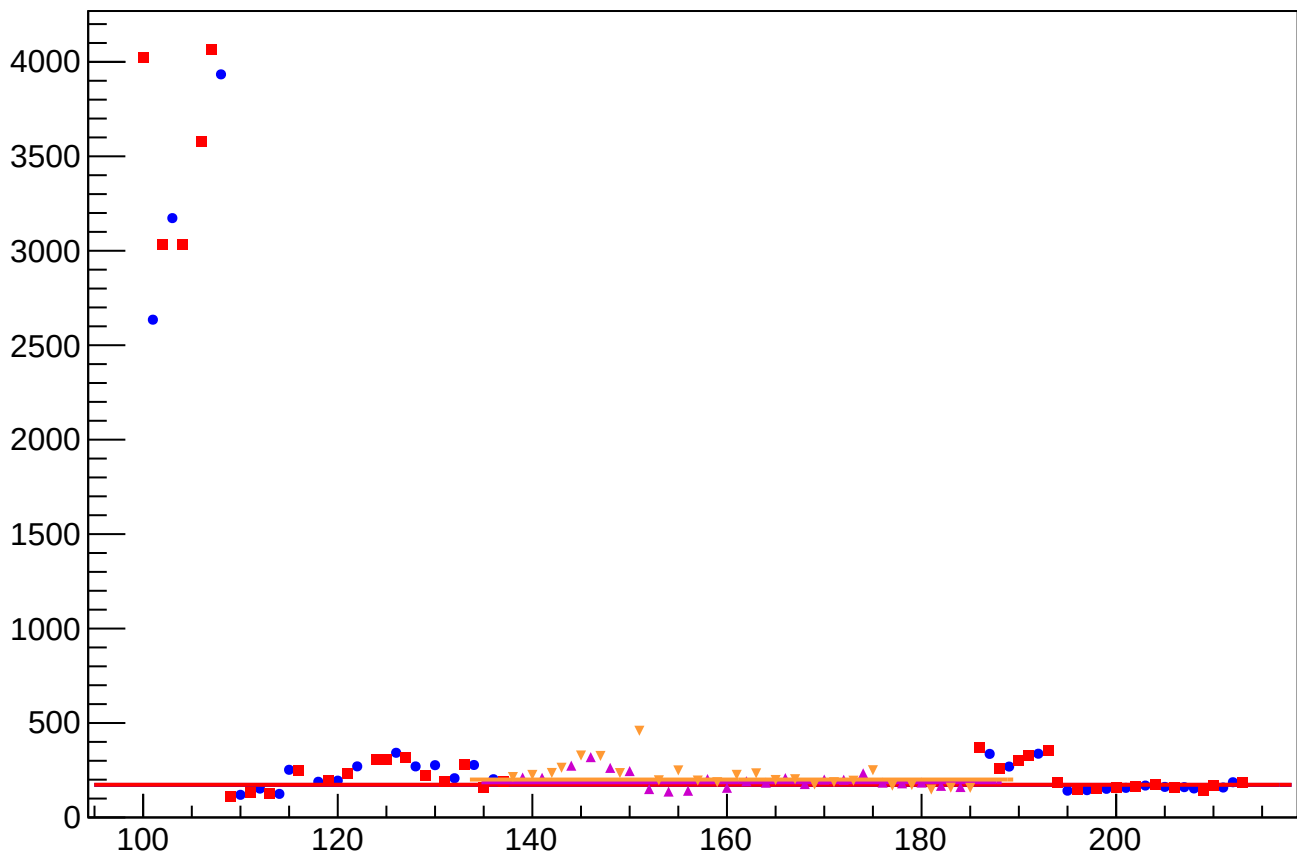
Left In: -123.046 ± 45.269 χ^2/NDF : 8.5/22

+ sign -50.191 ± 32.512 χ^2/NDF : 71.6/53

All: 4.735 ± 22.620 χ^2/NDF : 147.2/110

- sign 56.267 ± 31.491 χ^2/NDF : 70.1/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.140 $\pm$ 0.032 χ^2 /NDF: 4859426.0/28

Left Out: 200.686 $\pm$ 0.033 χ^2 /NDF: 1880083.2/24

Right Out: 173.068 $\pm$ 0.031 χ^2 /NDF: 5542669.6/33

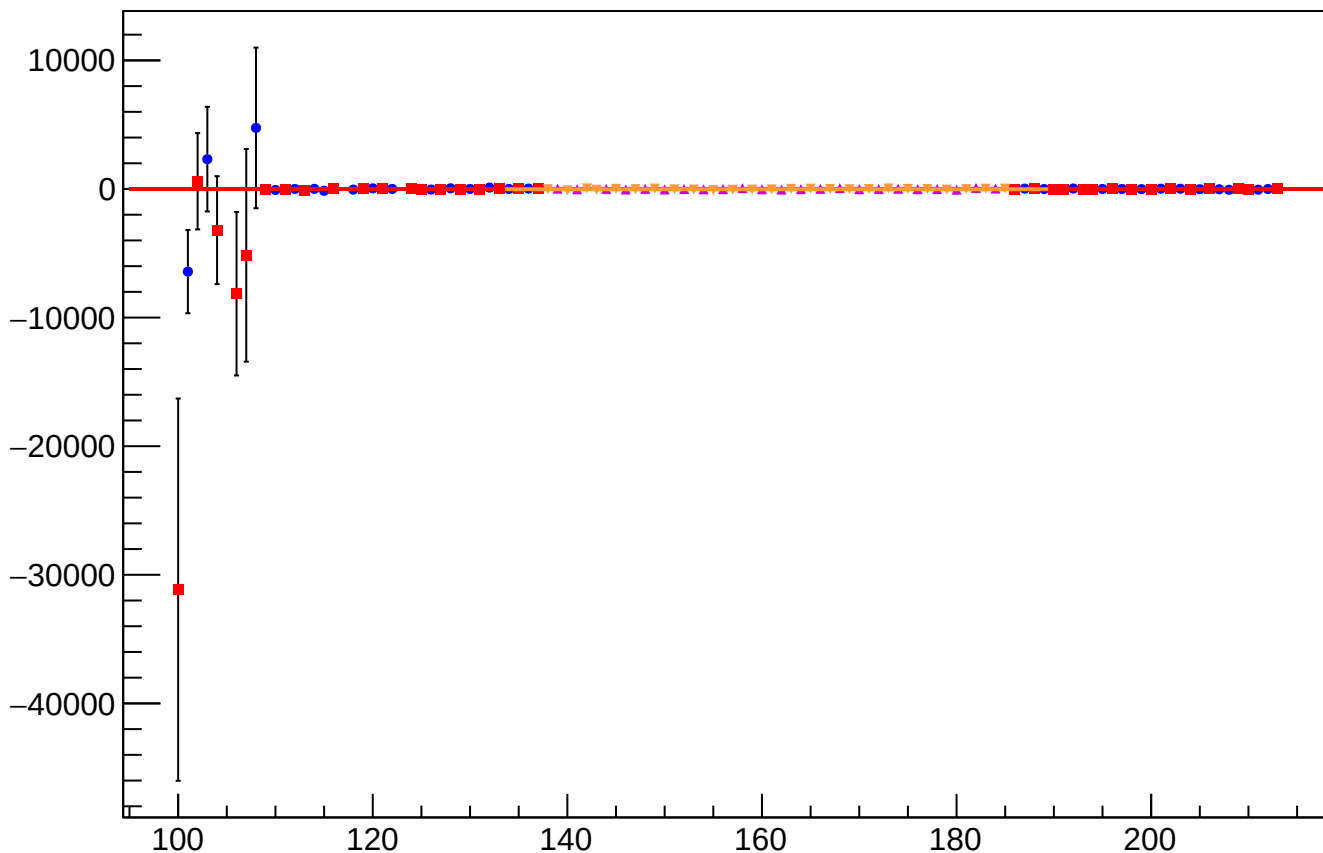
Left In: 186.169 $\pm$ 0.032 χ^2 /NDF: 1413387.1/22

+ sign 185.627 $\pm$ 0.023 χ^2 /NDF: 7123784.8/53

All: 182.418 $\pm$ 0.016 χ^2 /NDF: 14204037.7/11

- sign 179.408 $\pm$ 0.022 χ^2 /NDF: 7042499.1/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: -2.644 ± 8.374 χ^2/NDF : 25.5/28

Left Out: -21.228 ± 7.835 χ^2/NDF : 22.9/24

Right Out: 0.913 ± 8.095 χ^2/NDF : 35.4/33

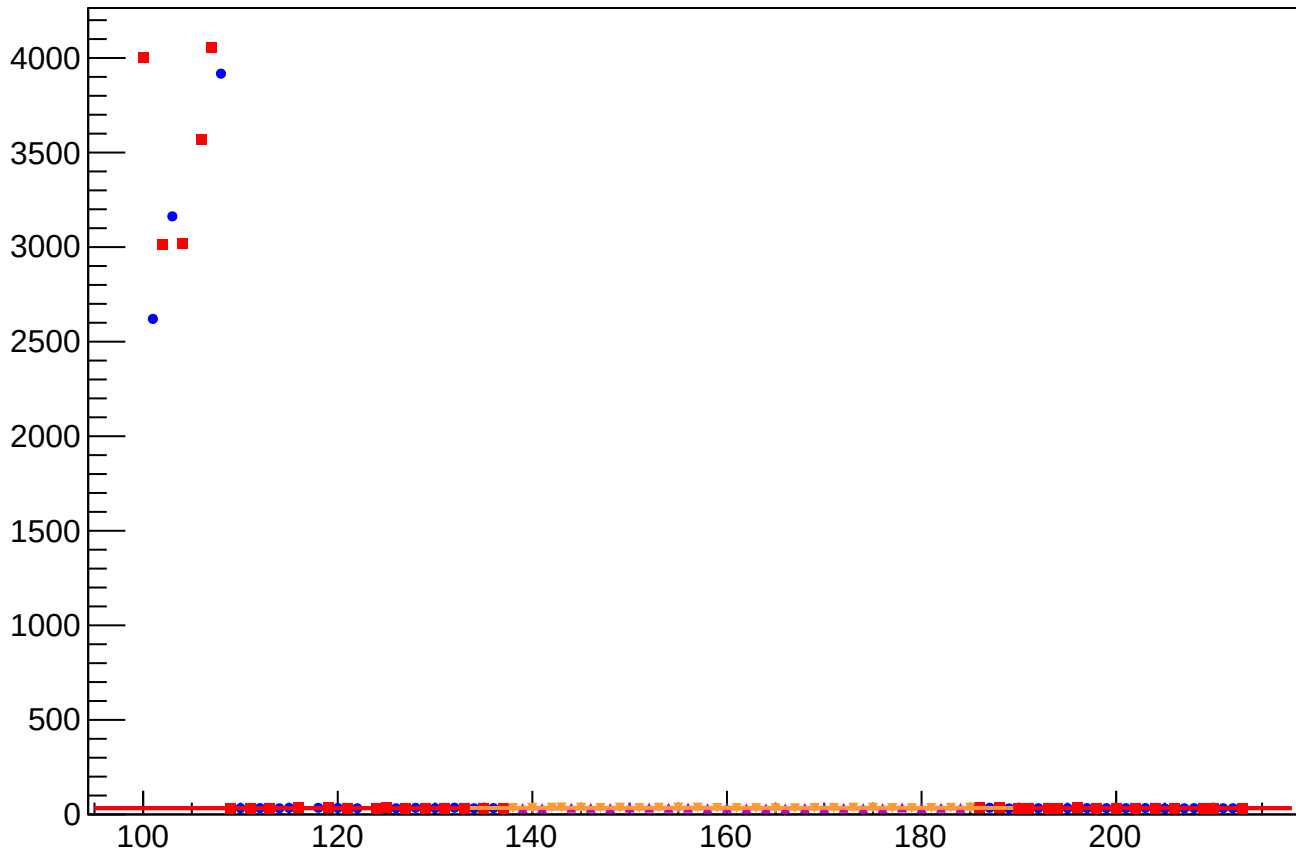
Left In: 4.029 ± 8.083 χ^2/NDF : 18.9/22

+ sign -12.553 ± 5.721 χ^2/NDF : 51.0/53

All: -5.038 ± 4.045 χ^2/NDF : 108.9/110

- sign 2.473 ± 5.720 χ^2/NDF : 54.4/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.288 $\pm$ 0.006 χ^2 /NDF: 3257050.4/28

Left Out: 34.439 $\pm$ 0.006 χ^2 /NDF: 44686.3/24

Right Out: 33.350 $\pm$ 0.006 χ^2 /NDF: 3550001.9/33

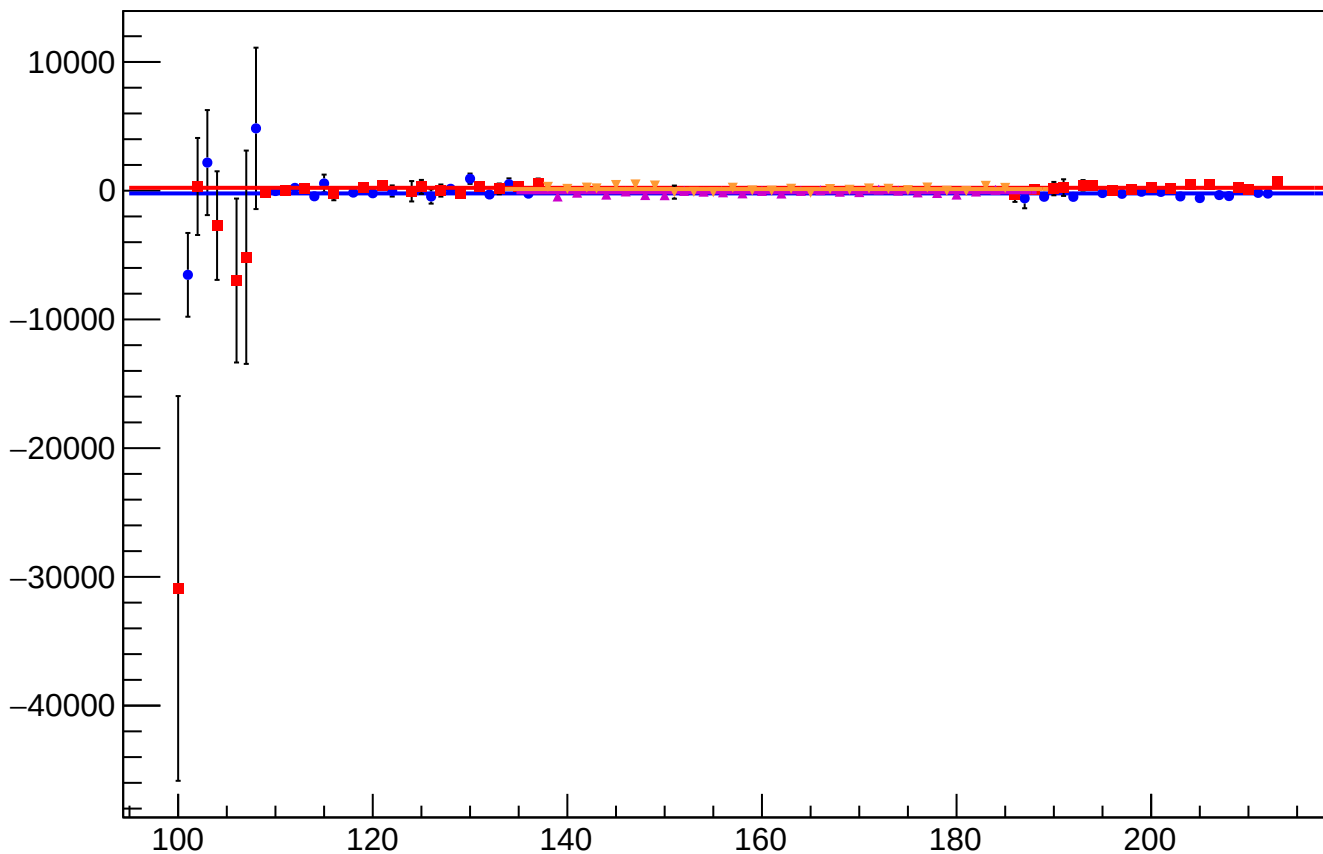
Left In: 34.552 $\pm$ 0.006 χ^2 /NDF: 59280.9/22

+ sign 33.901 $\pm$ 0.004 χ^2 /NDF: 3321879.9/53

All: 33.927 $\pm$ 0.003 χ^2 /NDF: 6953318.8/110

- sign 33.952 $\pm$ 0.004 χ^2 /NDF: 3631360.7/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -211.146 ± 44.624 χ^2/NDF : 34.1/28

Left Out: 127.689 ± 47.228 χ^2/NDF : 11.6/24

Right Out: 224.648 ± 43.682 χ^2/NDF : 30.4/33

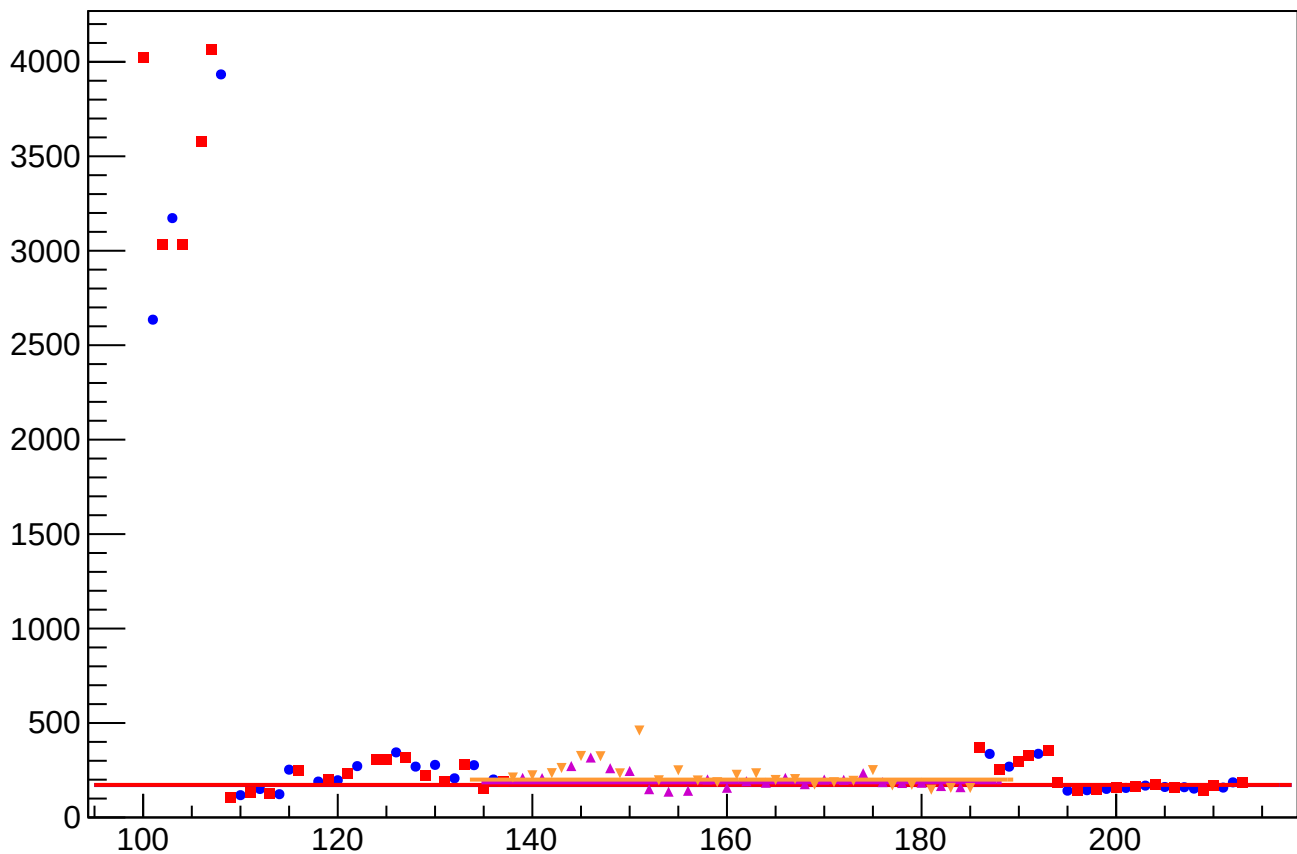
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -51.326 ± 32.435 χ^2/NDF : 72.9/53

All: 4.496 ± 22.564 χ^2/NDF : 147.6/110

- sign 56.846 ± 31.410 χ^2/NDF : 69.0/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.512 $\pm$ 0.032 χ^2 /NDF: 4888500.5/28

Left Out: 200.372 $\pm$ 0.033 χ^2 /NDF: 1876533.6/24

Right Out: 172.313 $\pm$ 0.031 χ^2 /NDF: 5593336.3/33

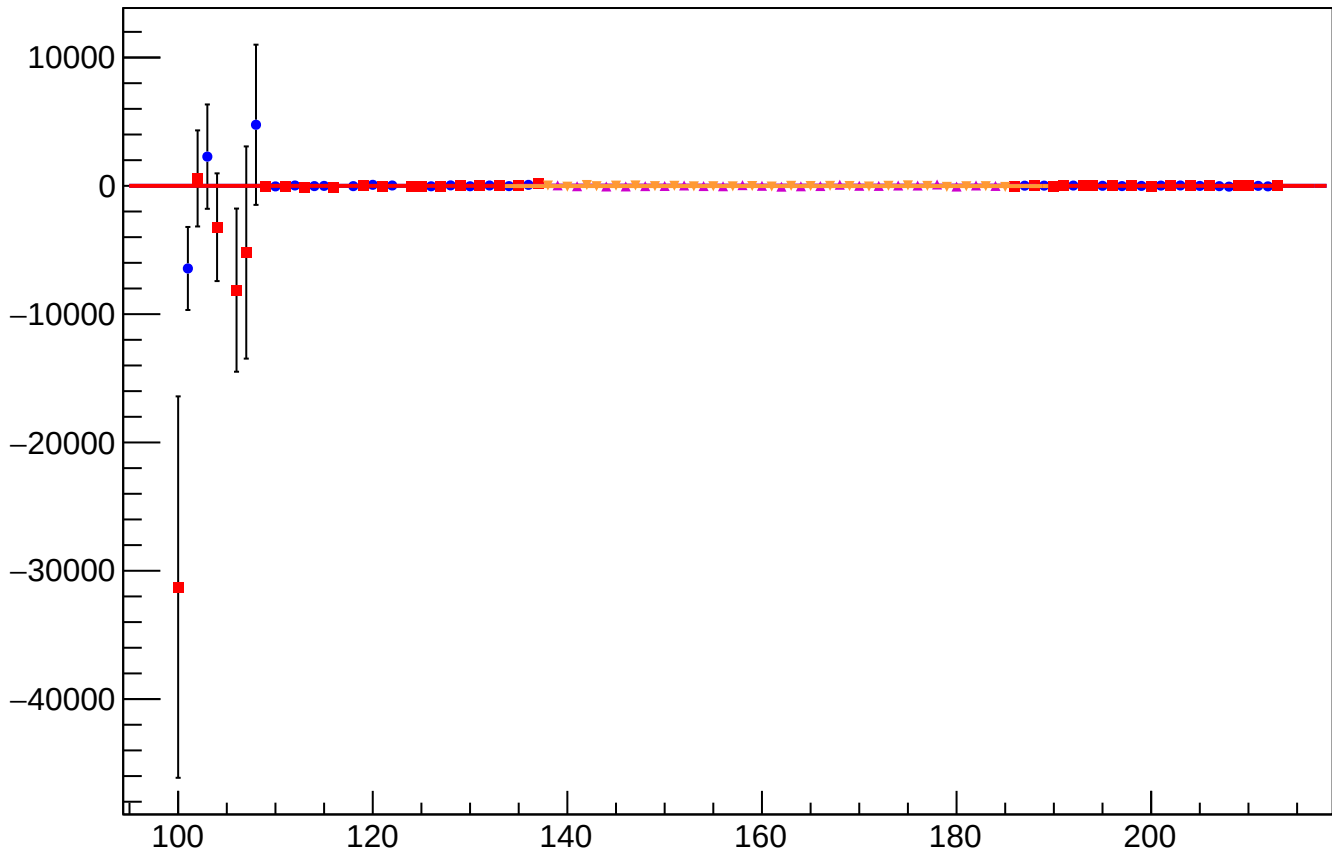
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 185.125 $\pm$ 0.023 χ^2 /NDF: 7159607.2/53

All: 181.892 $\pm$ 0.016 χ^2 /NDF: 14290002.2/11

- sign 178.861 $\pm$ 0.022 χ^2 /NDF: 7091909.6/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.761 ± 7.580 χ^2/NDF : 24.3/28

Left Out: -18.581 ± 7.135 χ^2/NDF : 20.4/24

Right Out: -0.403 ± 7.326 χ^2/NDF : 44.4/33

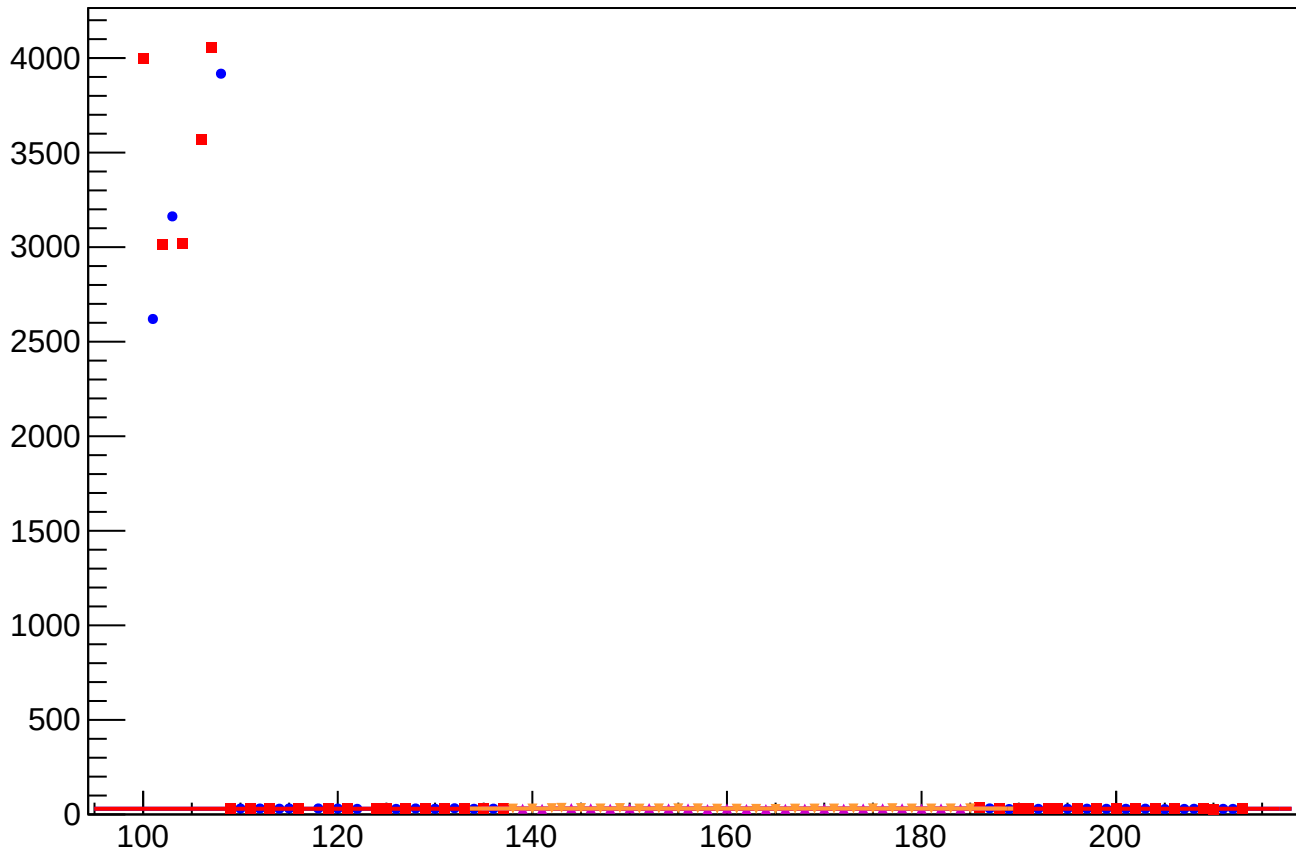
Left In: 2.709 ± 7.348 χ^2/NDF : 35.5/22

+ sign -9.494 ± 5.195 χ^2/NDF : 48.2/53

All: -4.165 ± 3.671 χ^2/NDF : 130.3/110

- sign 1.149 ± 5.188 χ^2/NDF : 80.0/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.113 $\pm$ 0.005 χ^2 /NDF: 3275492.3/28

Left Out: 31.340 $\pm$ 0.005 χ^2 /NDF: 63017.9/24

Right Out: 30.155 $\pm$ 0.005 χ^2 /NDF: 3570416.2/33

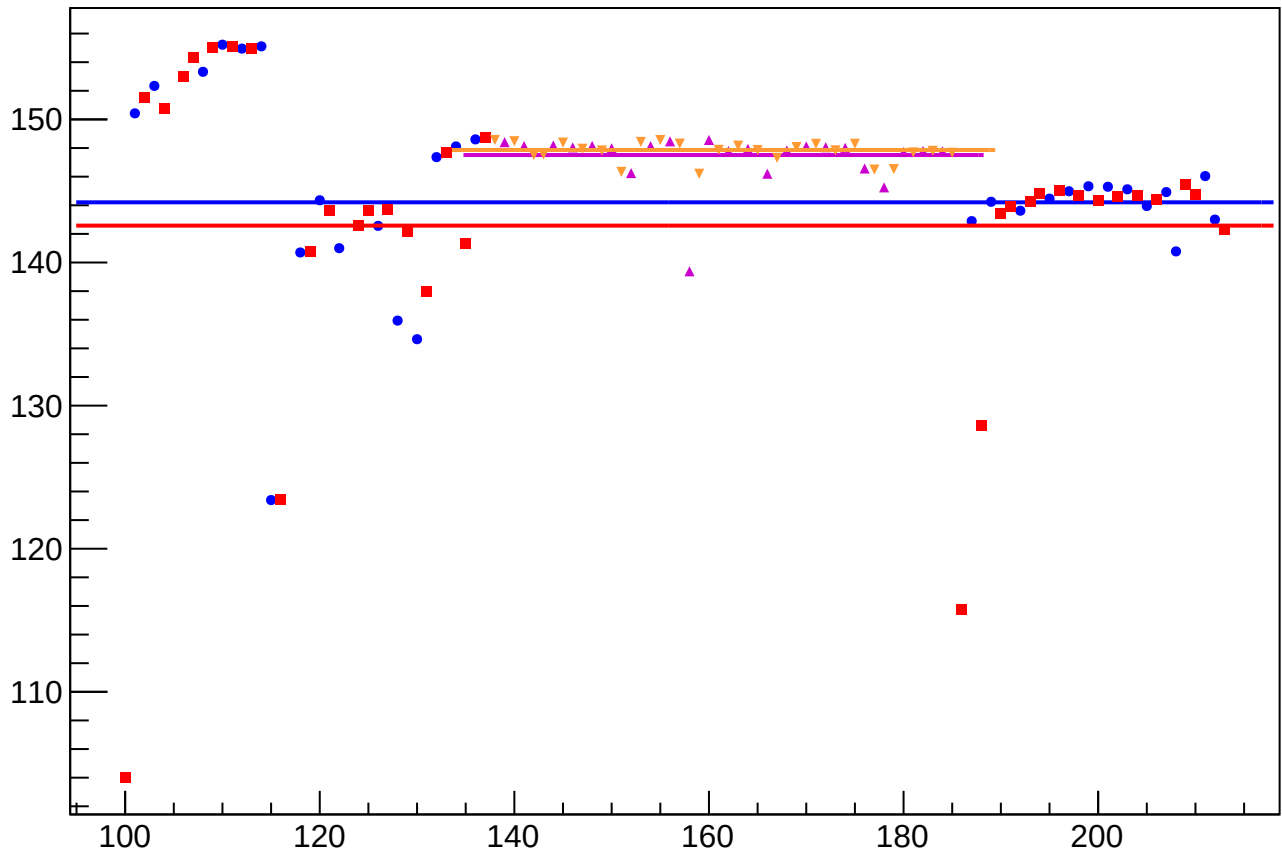
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 30.763 $\pm$ 0.004 χ^2 /NDF: 3366307.2/53

All: 30.764 $\pm$ 0.003 χ^2 /NDF: 7049785.0/110

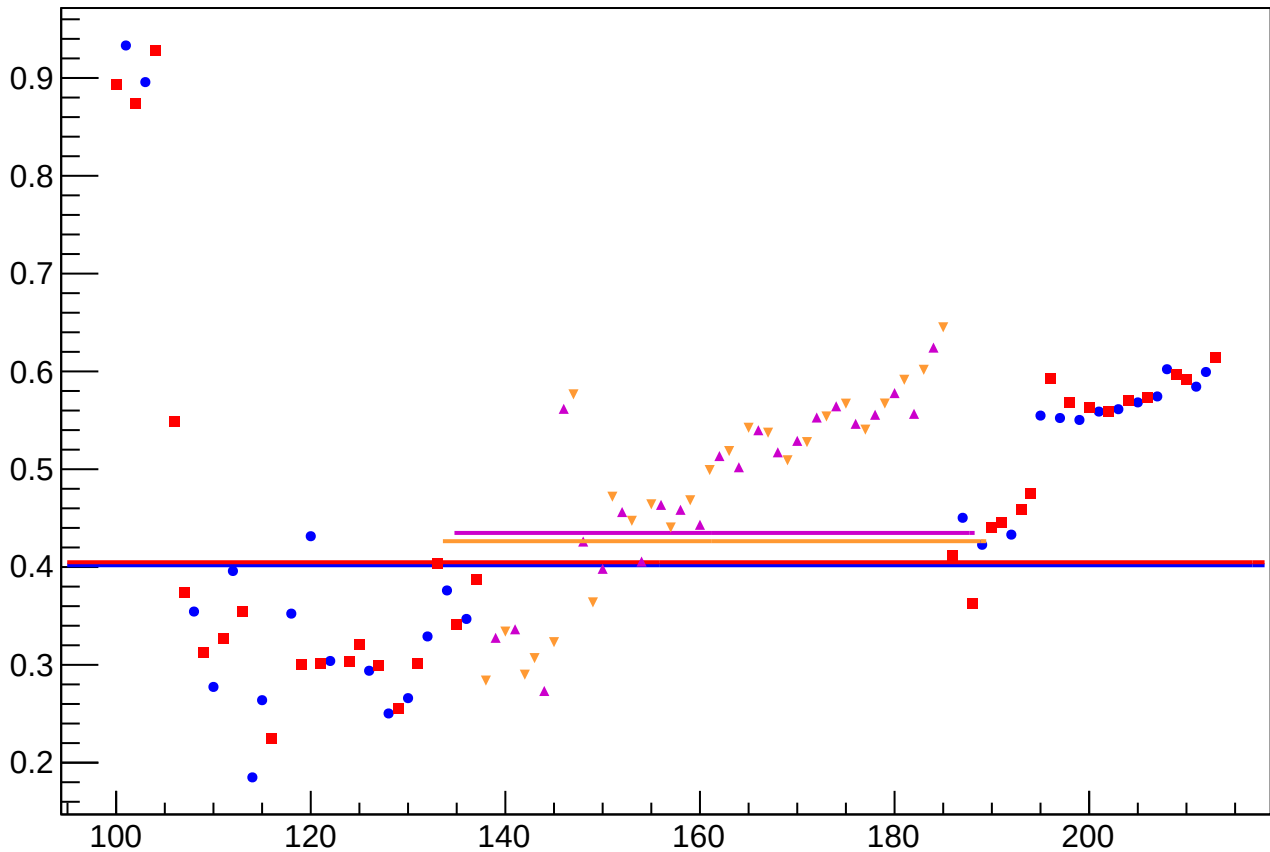
- sign 30.766 $\pm$ 0.004 χ^2 /NDF: 3683477.6/56

yield_bcm_target_mean vs Slug



Right In: 144.207 $\pm$ 0.000	χ^2 /NDF: 3777957888.9/28	+ sign 146.095 $\pm$ 0.000	χ^2 /NDF: 4450575038.9/53
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.505 $\pm$ 0.000	χ^2 /NDF: 13609949316.
Right Out: 142.579 $\pm$ 0.000	χ^2 /NDF: 7580499441.5/33	- sign 144.916 $\pm$ 0.000	χ^2 /NDF: 9028575821.2/56
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_target_rms vs Slug



Right In: 0.402 $\pm$ 0.000 χ^2 /NDF: 3565849.6/28

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 3469446.3/33

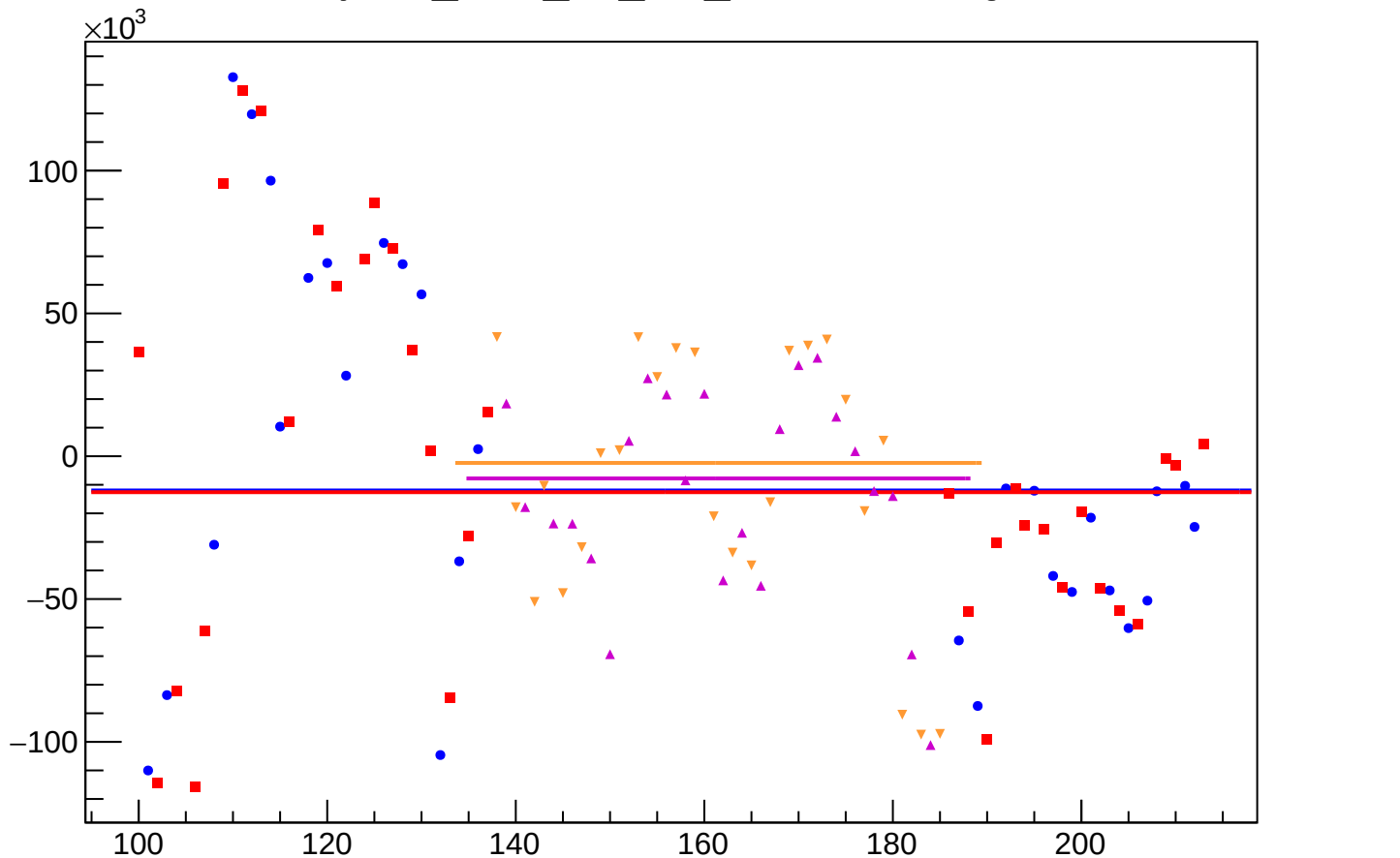
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5881882.5/53

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 11214467.2/110

- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5328622.6/56

yield_bcm_an_diff_mean vs Slug



Right In: -11992.770 ± 1.318 $\chi^2/\text{NDF}: 1940808688.6/28$

Left Out: -2344.855 ± 1.123 $\chi^2/\text{NDF}: 1230029339.6/24$

Right Out: -12587.511 ± 1.232 $\chi^2/\text{NDF}: 2404443284.9/33$

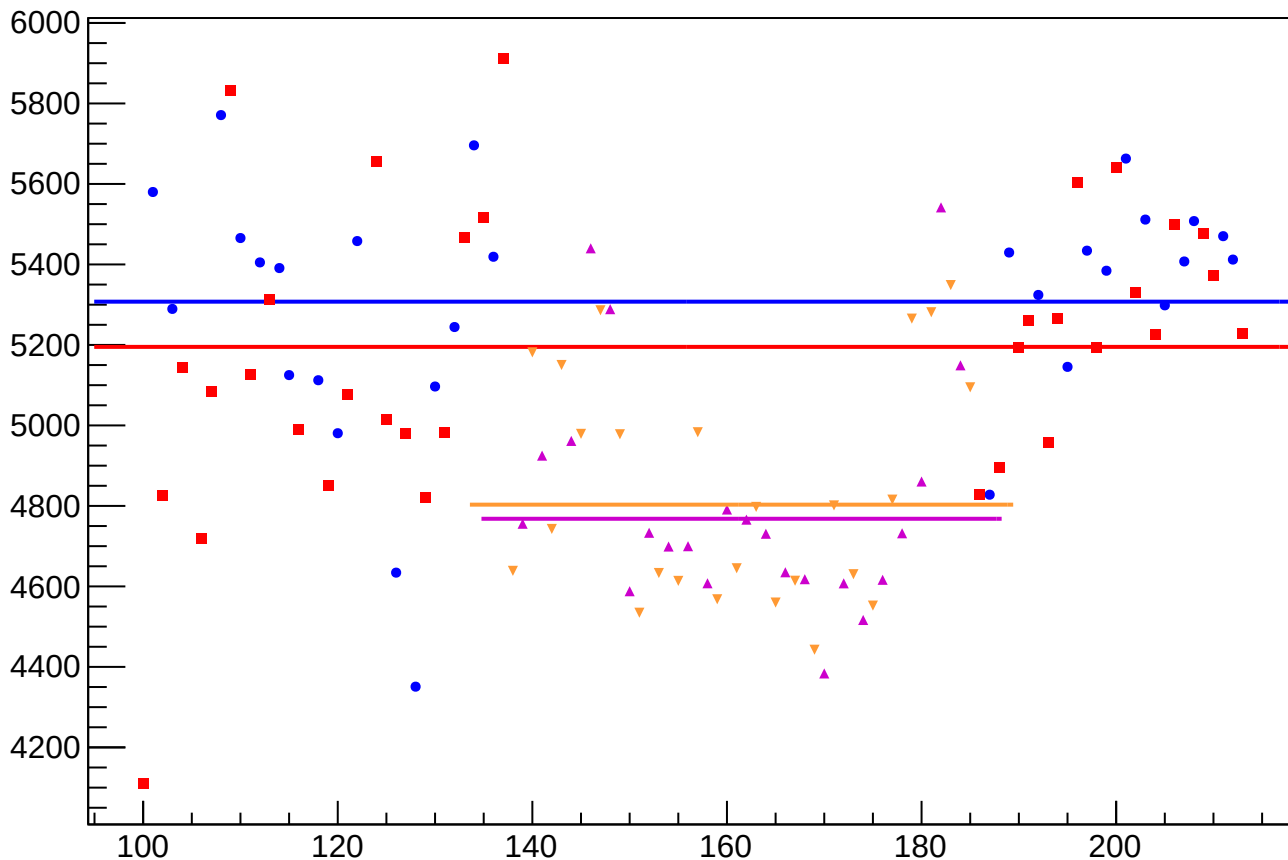
Left In: -7787.808 ± 1.145 $\chi^2/\text{NDF}: 762496621.5/22$

+ sign -6403.620 ± 0.855 $\chi^2/\text{NDF}: 3201874072.7/5$

All: -8241.798 ± 0.599 $\chi^2/\text{NDF}: 6386029011$

- sign -10010.565 ± 0.839 $\chi^2/\text{NDF}: 3175083966.9/5$

yield_bcm_an_diff_rms vs Slug



Right In: 5307.503 $\pm$ 0.932 χ^2 /NDF: 102872.3/28

Left Out: 4803.136 $\pm$ 0.794 χ^2 /NDF:114681.5/24

Right Out: 5195.155 $\pm$ 0.871 χ^2 /NDF: 110796.2/33

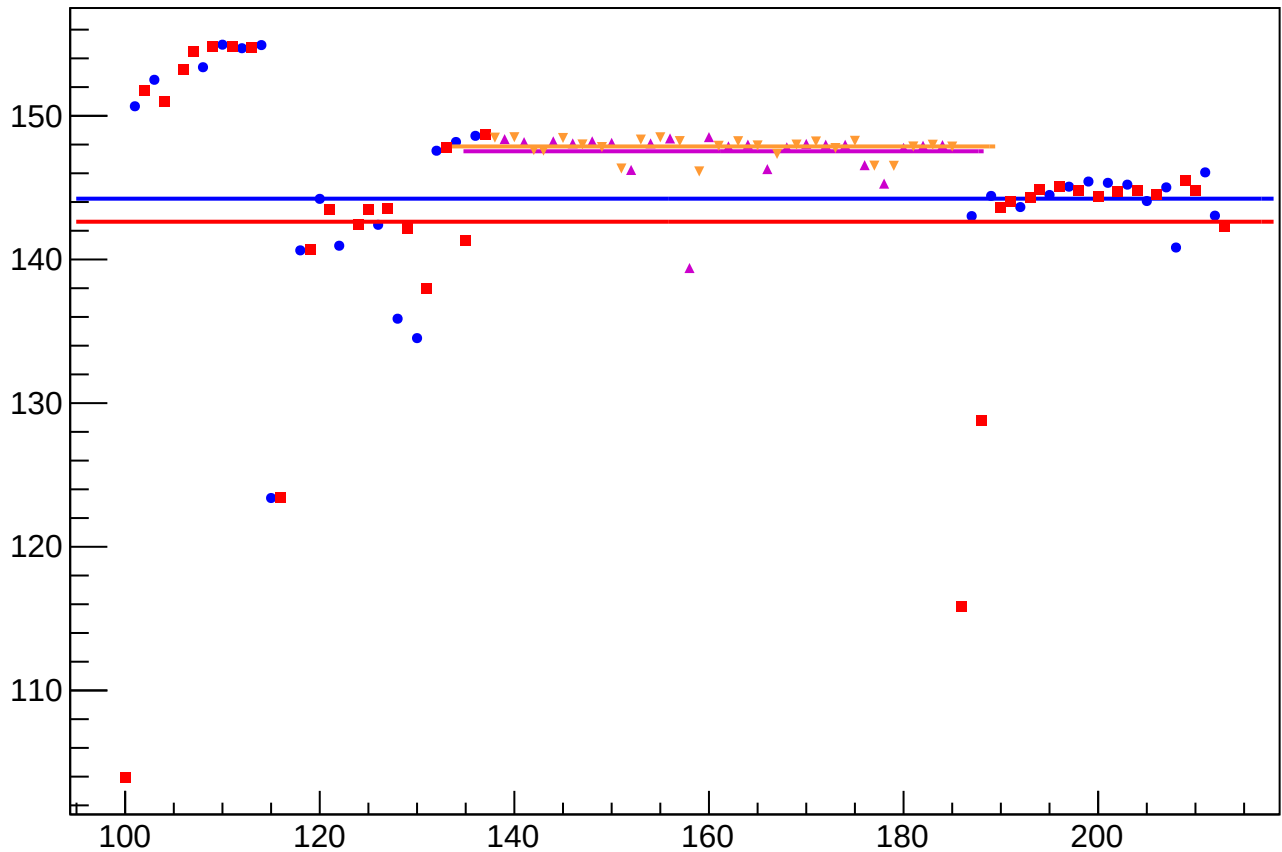
Left In: 4768.055 $\pm$ 0.809 χ^2 /NDF:102355.5/22

+ sign 5015.318 $\pm$ 0.605 χ^2 /NDF: 387191.5/53

All: 4990.106 $\pm$ 0.423 χ^2 /NDF: 732729.8/110

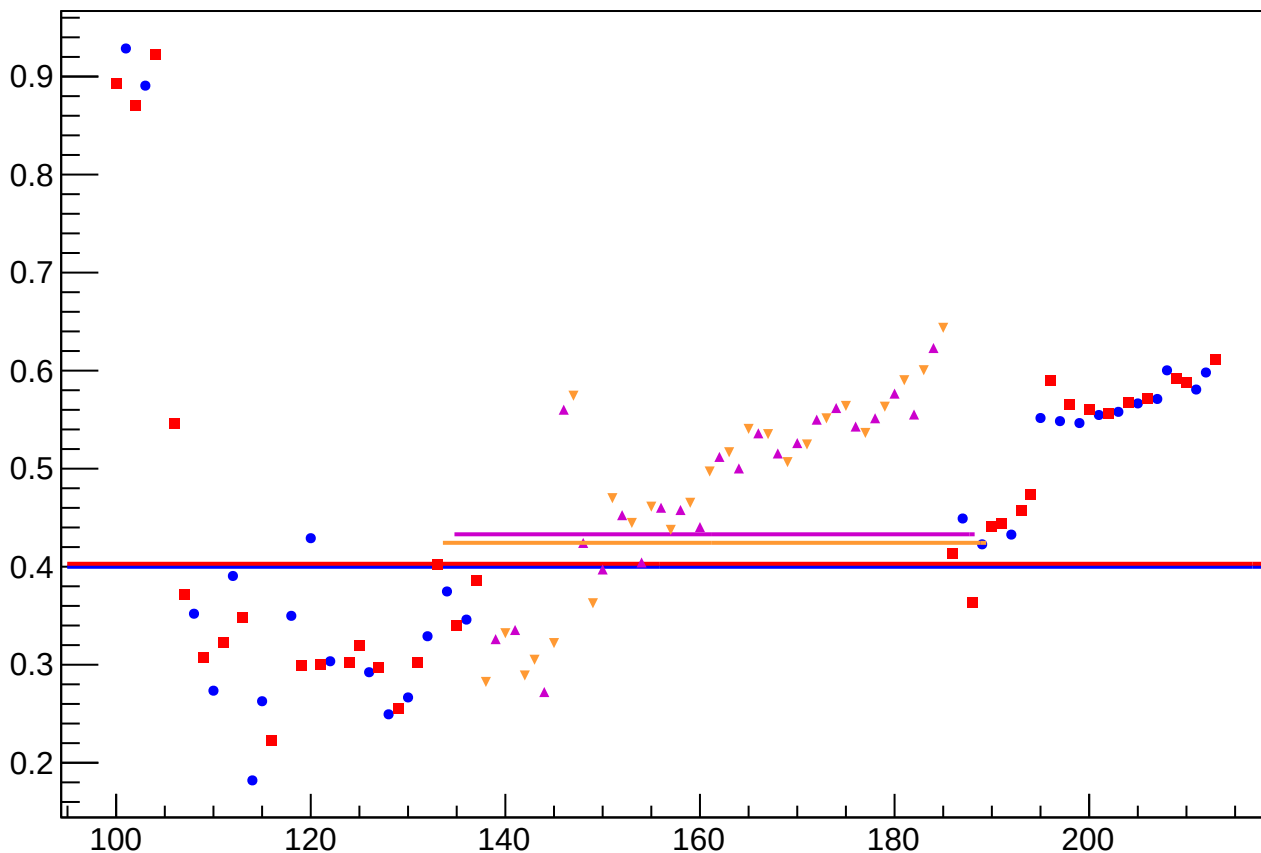
- sign 4965.847 $\pm$ 0.593 χ^2 /NDF: 342125.5/56

yield_bcm_an_ds_mean vs Slug



Right In: 144.233+/-0.000	χ^2/NDF : 3819214776.6/28	+ sign 146.111+/-0.000	χ^2/NDF : 4490303758.6/53
Left Out: 147.870+/-0.000	χ^2/NDF : 44483332.4/24	All: 145.531+/-0.000	χ^2/NDF : 13619396056.
Right Out: 142.629+/-0.000	χ^2/NDF : 7555855292.0/33	- sign 144.951+/-0.000	χ^2/NDF : 9001311978.1/56
Left In: 147.532+/-0.000	χ^2/NDF : 307143604.6/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.400 $\pm$ 0.000 χ^2 /NDF: 3565228.6/28

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF:2260723.7/24

Right Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 3475051.1/33

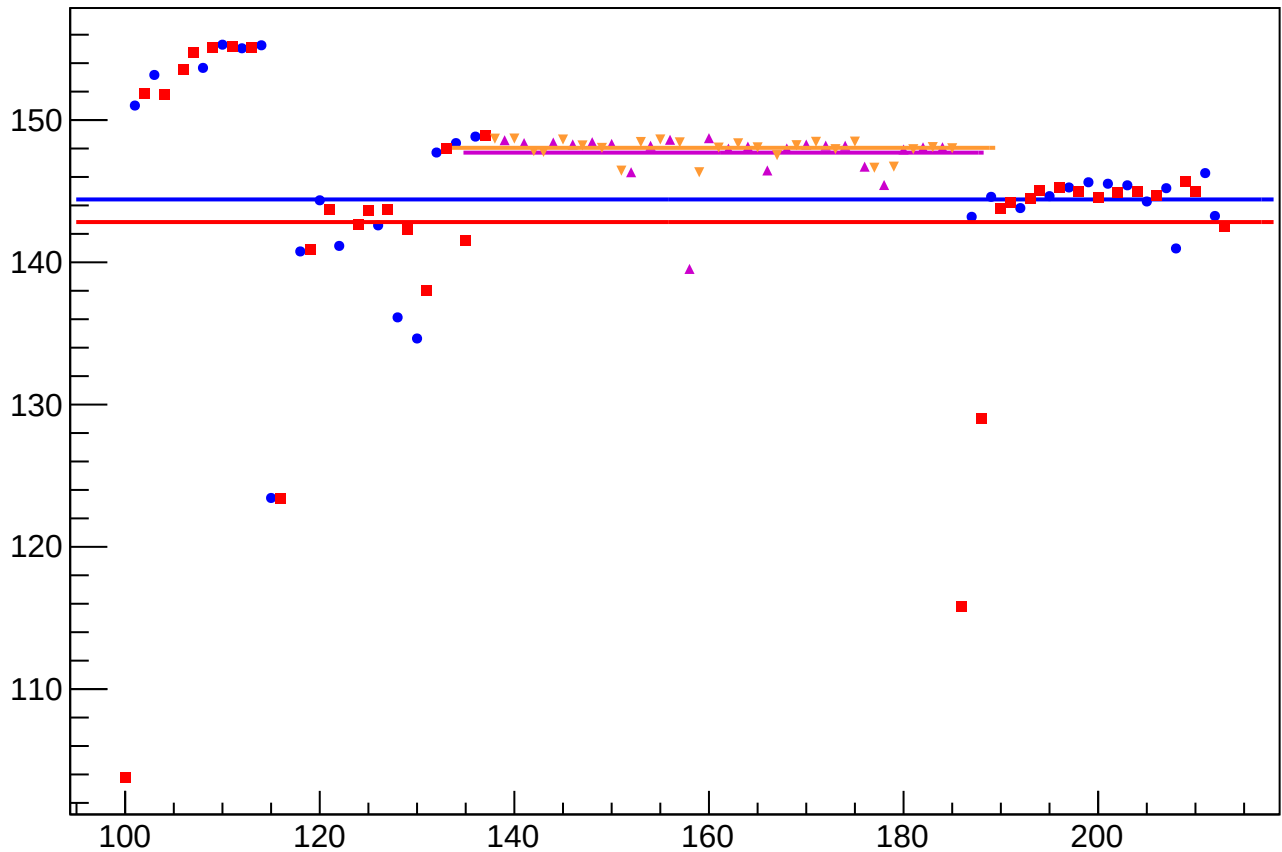
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1771141.8/22

+ sign 0.413 $\pm$ 0.000 χ^2 /NDF: 5882519.8/53

All: 0.415 $\pm$ 0.000 χ^2 /NDF: 11218477.1/110

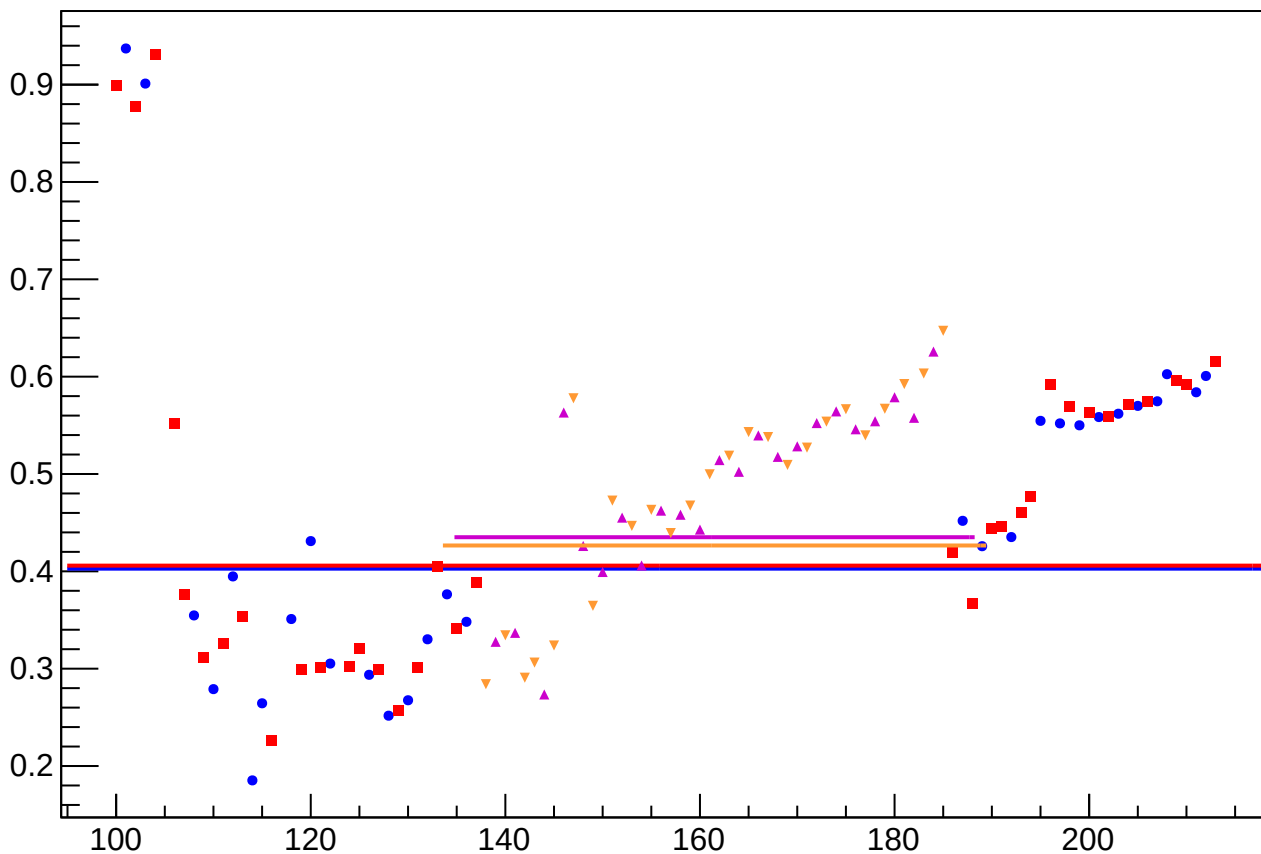
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5331801.9/56

yield_bcm_an_ds3_mean vs Slug



Right In: 144.420 $\pm$ 0.000	χ^2 /NDF: 3813575795.0/28	+ sign 146.297 $\pm$ 0.000	χ^2 /NDF: 4475075964.9/53
Left Out: 148.049 $\pm$ 0.000	χ^2 /NDF: 44901895.1/24	All: 145.722 $\pm$ 0.000	χ^2 /NDF: 13515892705.
Right Out: 142.830 $\pm$ 0.000	χ^2 /NDF: 7490122513.5/33	- sign 145.147 $\pm$ 0.000	χ^2 /NDF: 8916753606.4/56
Left In: 147.710 $\pm$ 0.000	χ^2 /NDF: 311841433.9/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.403 $\pm$ 0.000 χ^2 /NDF: 3549061.4/28

Left Out: 0.427 $\pm$ 0.000 χ^2 /NDF:2257492.3/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 3467571.7/33

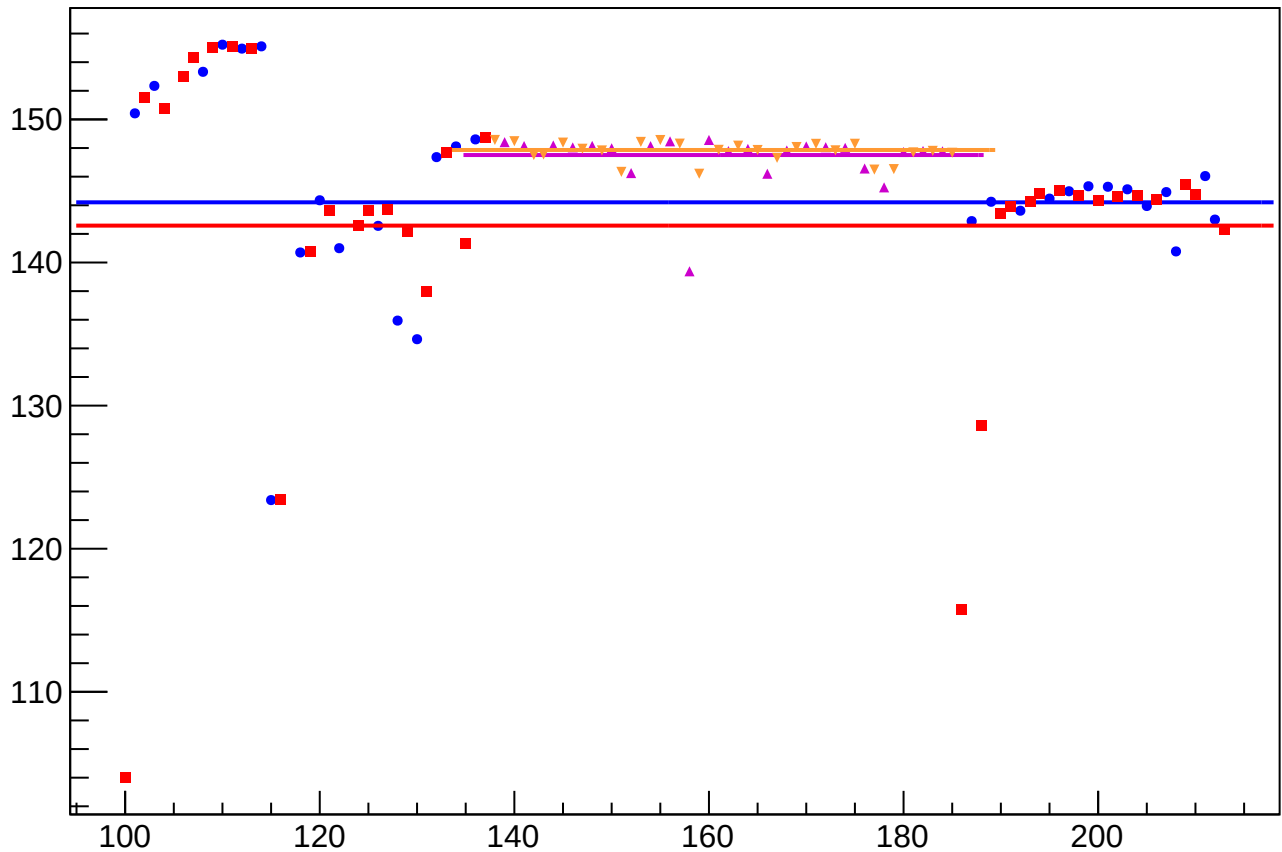
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1769716.0/22

+ sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5859529.4/53

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 11180688.1/110

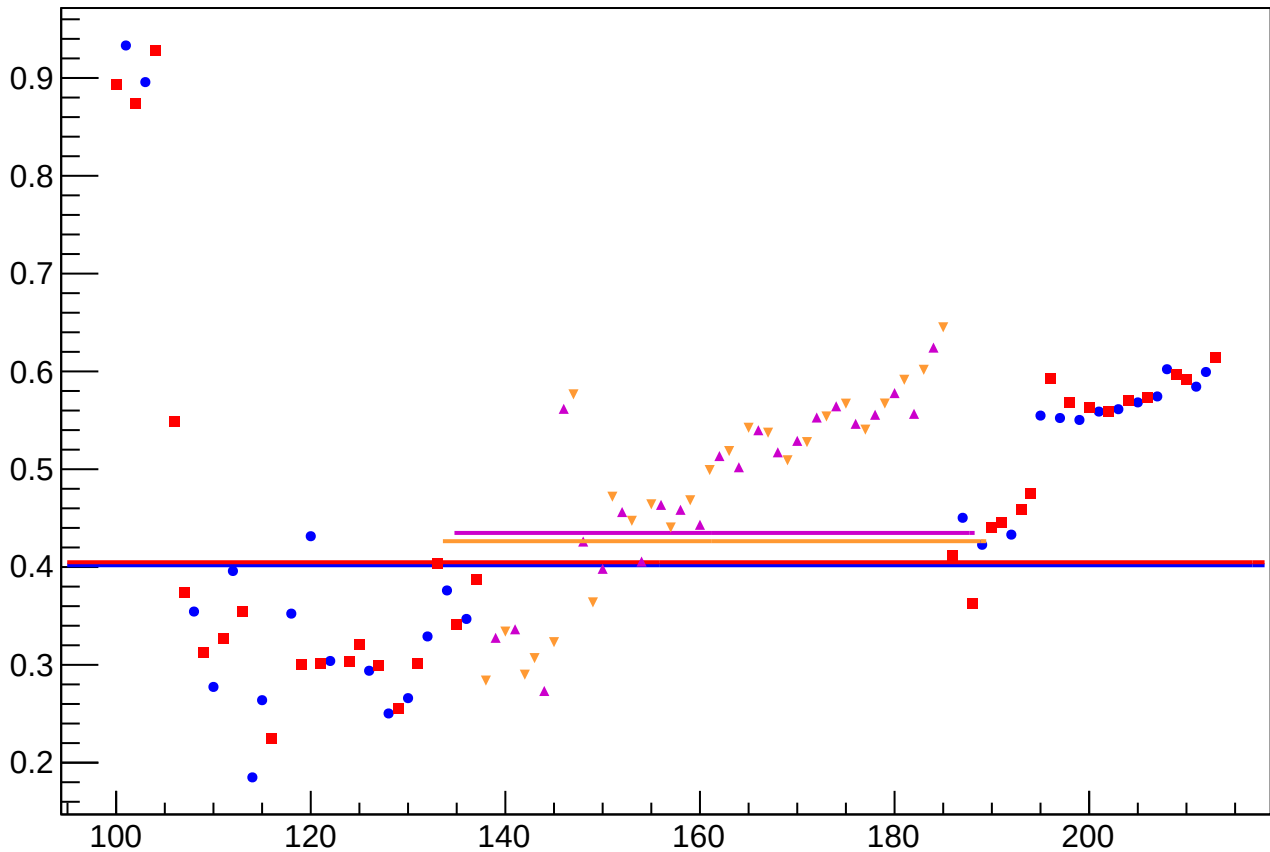
- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 5317106.1/56

yield_bcm_an_us_mean vs Slug



Right In: 144.207 $\pm$ 0.000	χ^2 /NDF: 3777957888.9/28	+ sign 146.095 $\pm$ 0.000	χ^2 /NDF: 4450575038.9/53
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.505 $\pm$ 0.000	χ^2 /NDF: 13609949316.
Right Out: 142.579 $\pm$ 0.000	χ^2 /NDF: 7580499441.5/33	- sign 144.916 $\pm$ 0.000	χ^2 /NDF: 9028575821.2/56
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.402 $\pm$ 0.000 χ^2 /NDF: 3565849.6/28

Left Out: 0.426 $\pm$ 0.000 χ^2 /NDF:2259192.5/24

Right Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 3469446.3/33

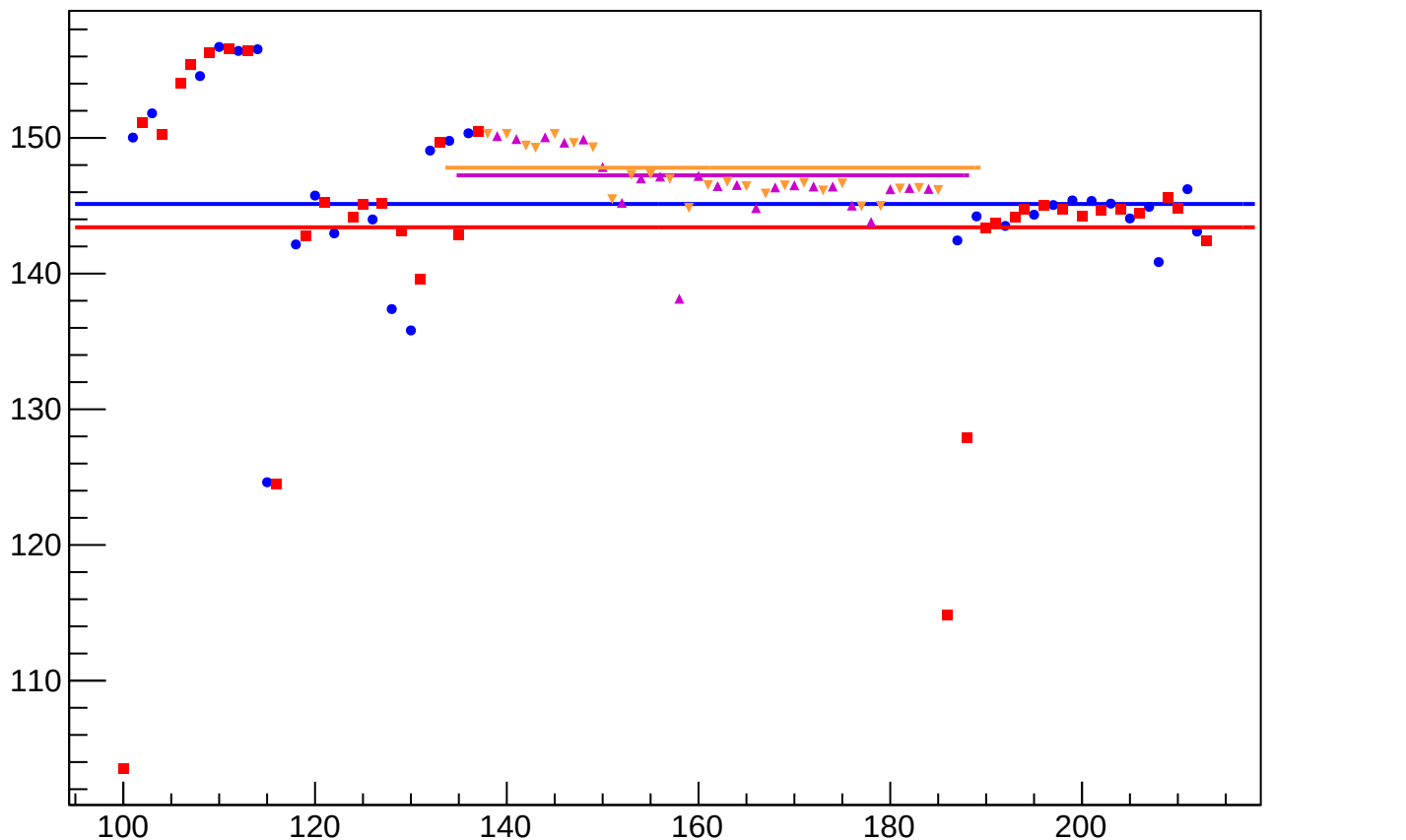
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1774903.7/22

+ sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5881882.5/53

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 11214467.2/110

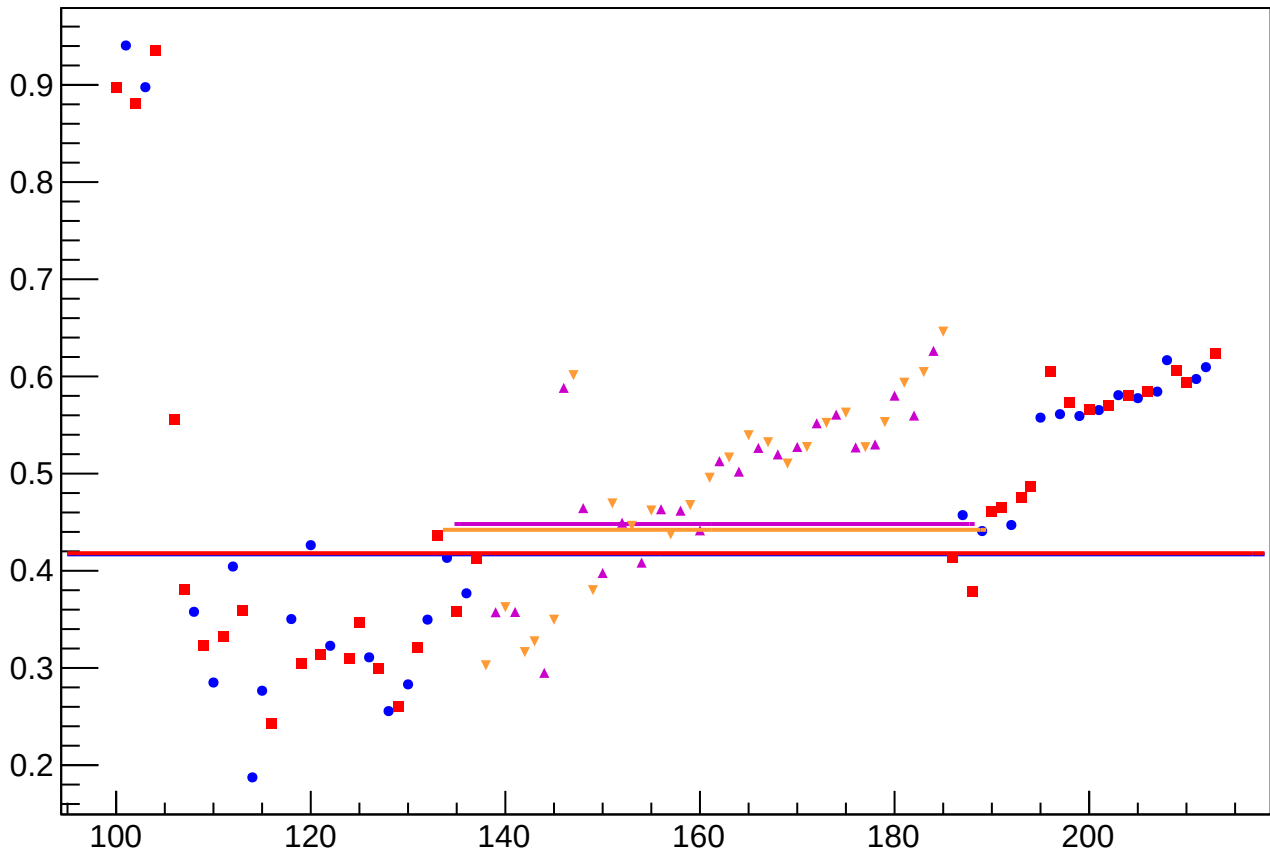
- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5328622.6/56

yield_bcm_dg_us_mean vs Slug



Right In: 145.130 $\pm$ 0.000	χ^2 /NDF: 3572913357.8/28	+ sign 146.518 $\pm$ 0.000	χ^2 /NDF: 4214489118.4/53
Left Out: 147.804 $\pm$ 0.000	χ^2 /NDF: 327059704.2/24	All: 145.875 $\pm$ 0.000	χ^2 /NDF: 13262707143.0
Right Out: 143.413 $\pm$ 0.000	χ^2 /NDF: 7633173352.6/33	- sign 145.239 $\pm$ 0.000	χ^2 /NDF: 8903347166.9/56
Left In: 147.241 $\pm$ 0.000	χ^2 /NDF: 618679483.9/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.417 $\pm$ 0.000 χ^2 /NDF: 3371328.1/28

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1704199.1/24

Right Out: 0.418 $\pm$ 0.000 χ^2 /NDF: 3292339.2/33

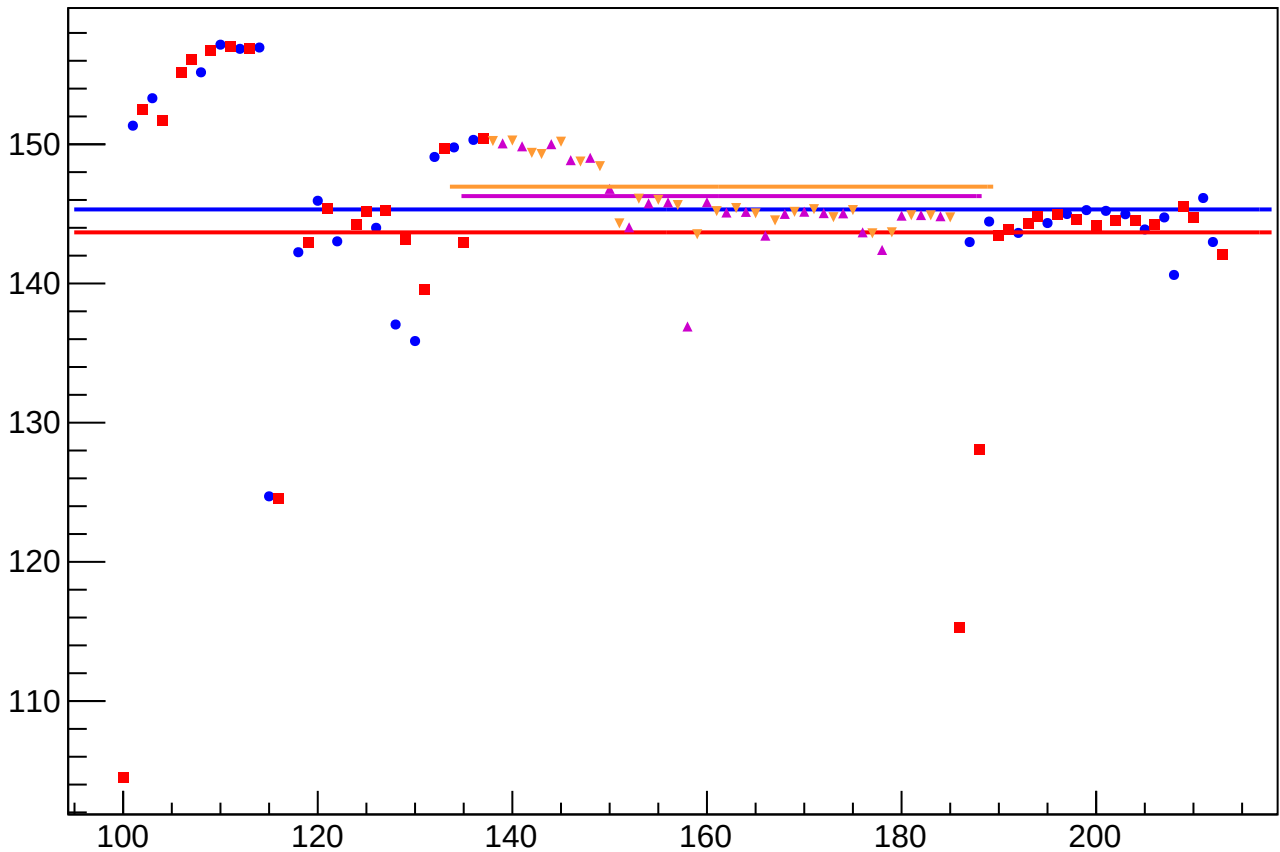
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1347802.9/22

+ sign 0.430 $\pm$ 0.000 χ^2 /NDF: 5131604.1/53

All: 0.431 $\pm$ 0.000 χ^2 /NDF: 9853051.1/110

- sign 0.432 $\pm$ 0.000 χ^2 /NDF: 4720427.8/56

yield_bcm_dg_ds_mean vs Slug



Right In: 145.320 $\pm$ 0.000 χ^2 /NDF: 3733981446.2/28

Left Out: 146.956 $\pm$ 0.000 χ^2 /NDF: 542800379.5/24

Right Out: 143.672 $\pm$ 0.000 χ^2 /NDF: 7689924345.9/33

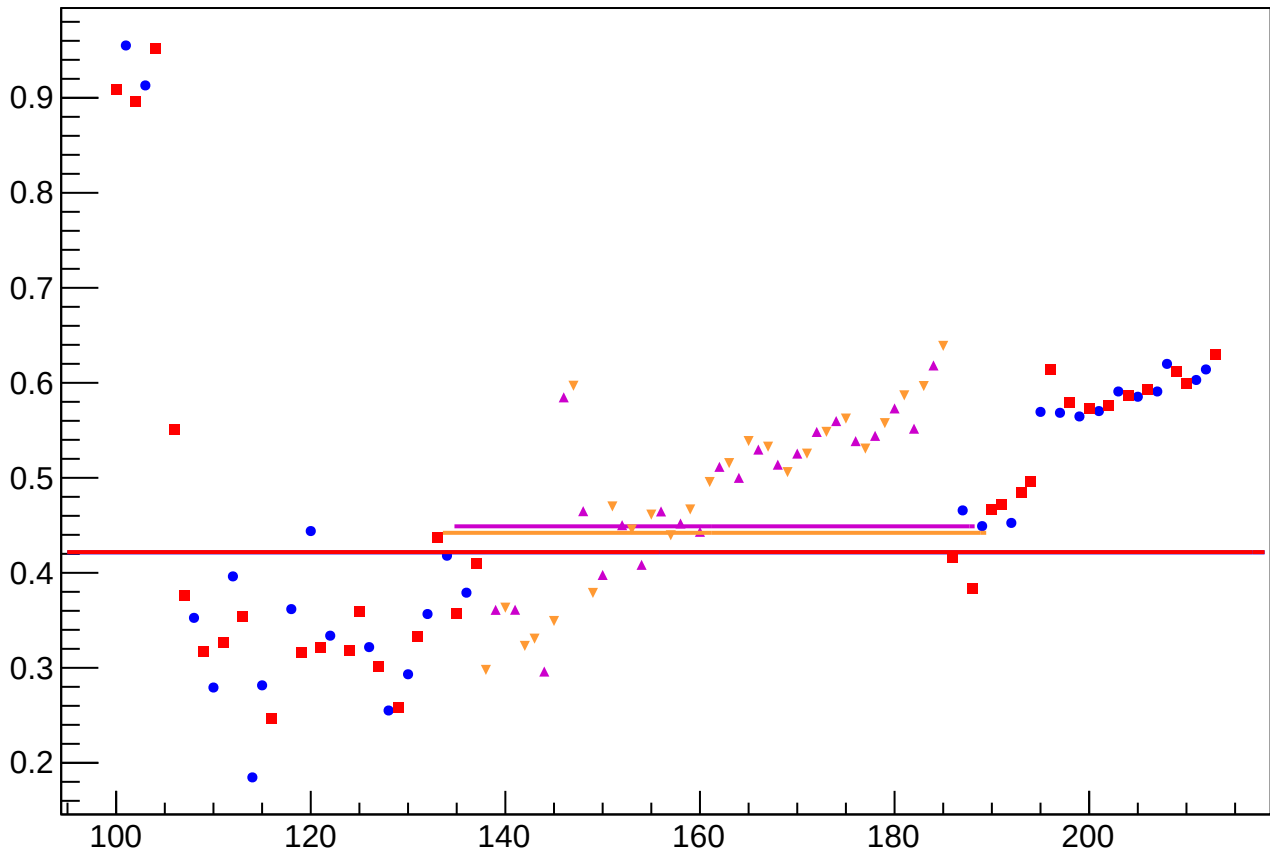
Left In: 146.278 $\pm$ 0.000 χ^2 /NDF: 825161532.5/22

+ sign 146.179 $\pm$ 0.000 χ^2 /NDF: 4392995092.5/53

All: 145.549 $\pm$ 0.000 χ^2 /NDF: 13343801594.

- sign 144.927 $\pm$ 0.000 χ^2 /NDF: 8813533708.4/56

yield_bcm_dg_ds_rms vs Slug



Right In: 0.422 $\pm$ 0.000 χ^2 /NDF: 3401642.5/28

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1676682.9/24

Right Out: 0.422 $\pm$ 0.000 χ^2 /NDF: 3320825.5/33

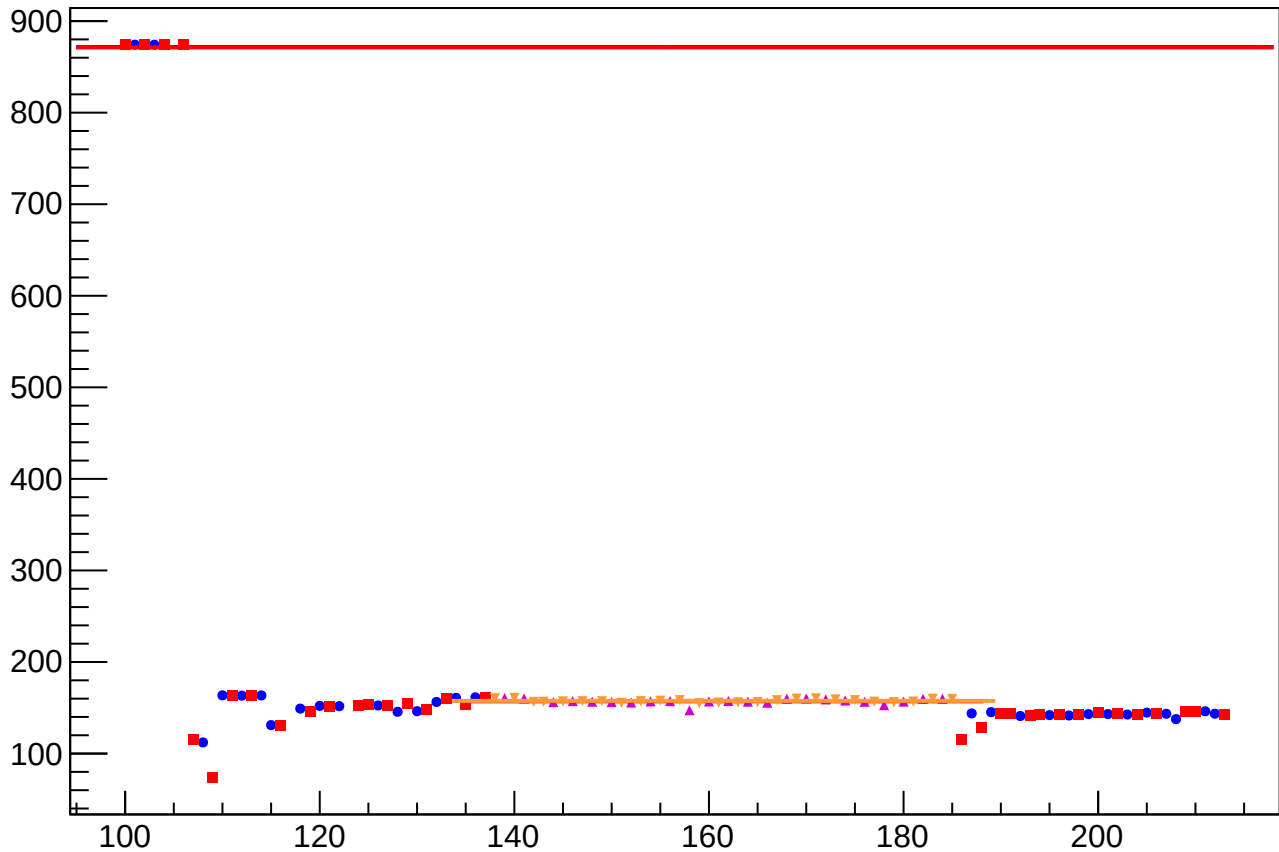
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1300658.3/22

+ sign 0.432 $\pm$ 0.000 χ^2 /NDF: 5115083.0/53

All: 0.434 $\pm$ 0.000 χ^2 /NDF: 9802423.3/110

- sign 0.435 $\pm$ 0.000 χ^2 /NDF: 4686214.8/56

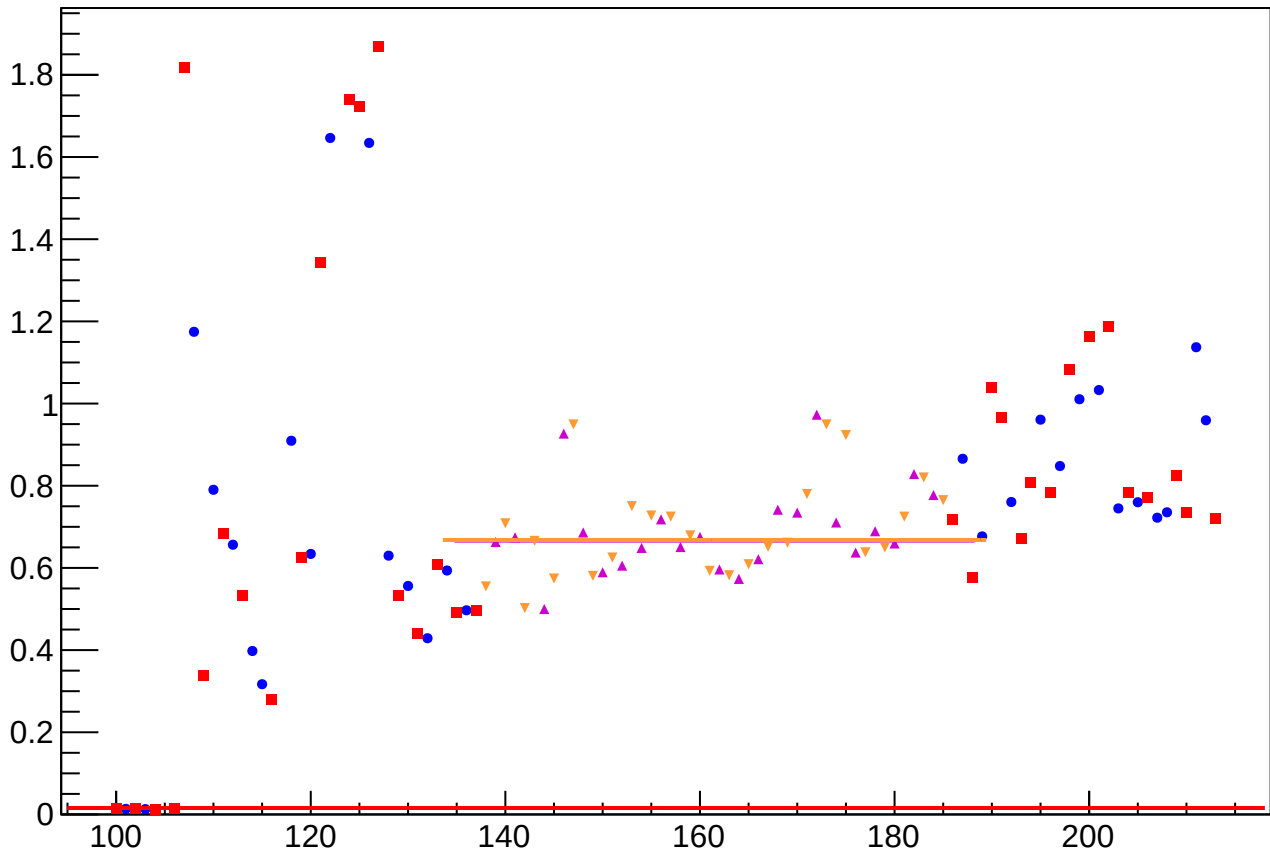
yield_cav4bQ_mean vs Slug



Right In: 871.600 $\pm$ 0.000 χ^2 /NDF: 13547295397376.4/28
Left Out: 157.566 $\pm$ 0.000 χ^2 /NDF: 104641292.0/24
Right Out: 871.278 $\pm$ 0.000 χ^2 /NDF: 17571780265154.3/33
Left In: 157.013 $\pm$ 0.000 χ^2 /NDF: 239819941.9/22

+ sign 868.226 $\pm$ 0.000 χ^2 /NDF: 30739674300984.
All: 868.359 $\pm$ 0.000 χ^2 /NDF: 64781171895.
- sign 868.475 $\pm$ 0.000 χ^2 /NDF: 34041260579839.7

yield_cav4bQ_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 25549768.7/28

Left Out: 0.668 $\pm$ 0.000 χ^2 /NDF:681720.2/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 28270043.5/33

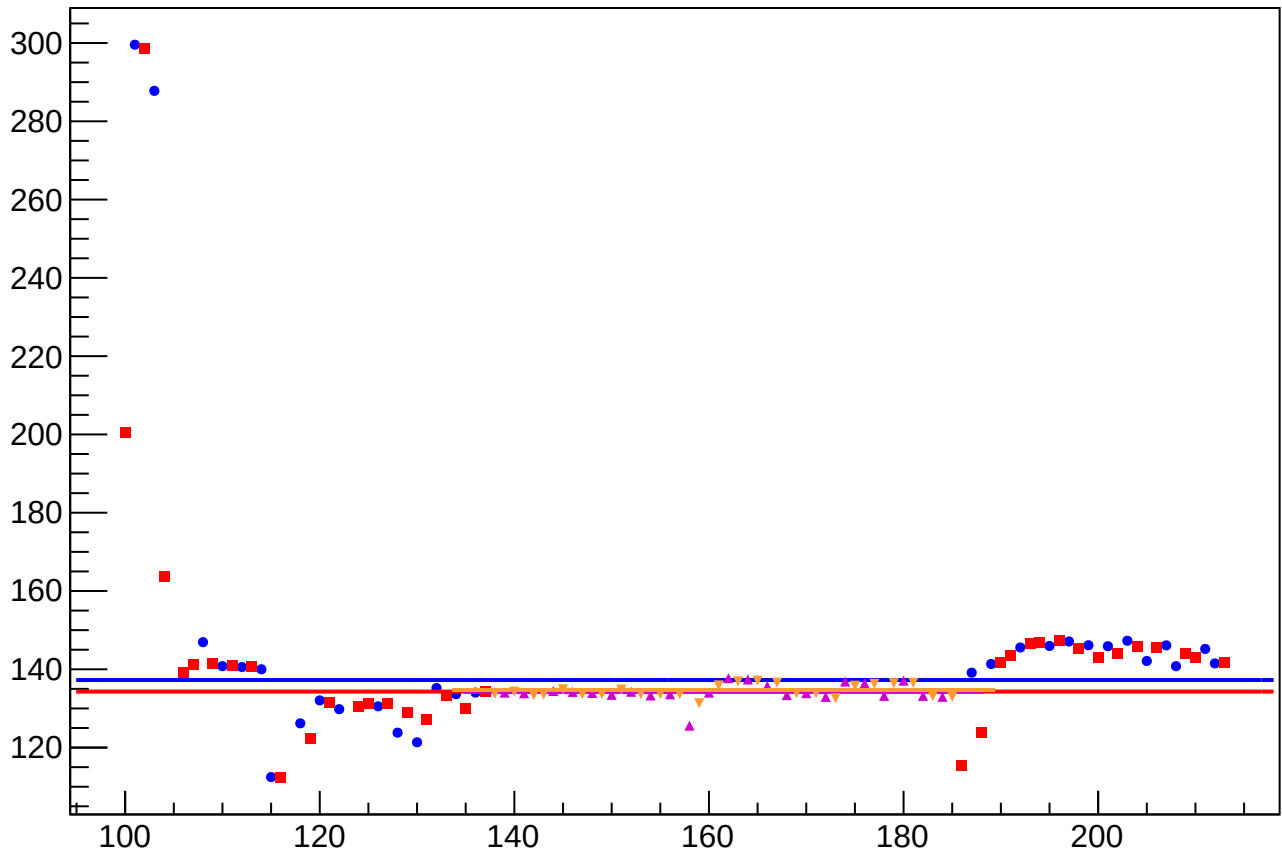
Left In: 0.666 $\pm$ 0.000 χ^2 /NDF:536078.9/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 54922303.6/53

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 111073683.9/110

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 56148891.8/56

yield_cav4cQ_mean vs Slug



Right In: 137.262 $\pm$ 0.000 χ^2 /NDF: 3546021495.7/28

Left Out: 134.714 $\pm$ 0.000 χ^2 /NDF: 159886495.0/24

Right Out: 134.306 $\pm$ 0.000 χ^2 /NDF: 5431954181.2/33

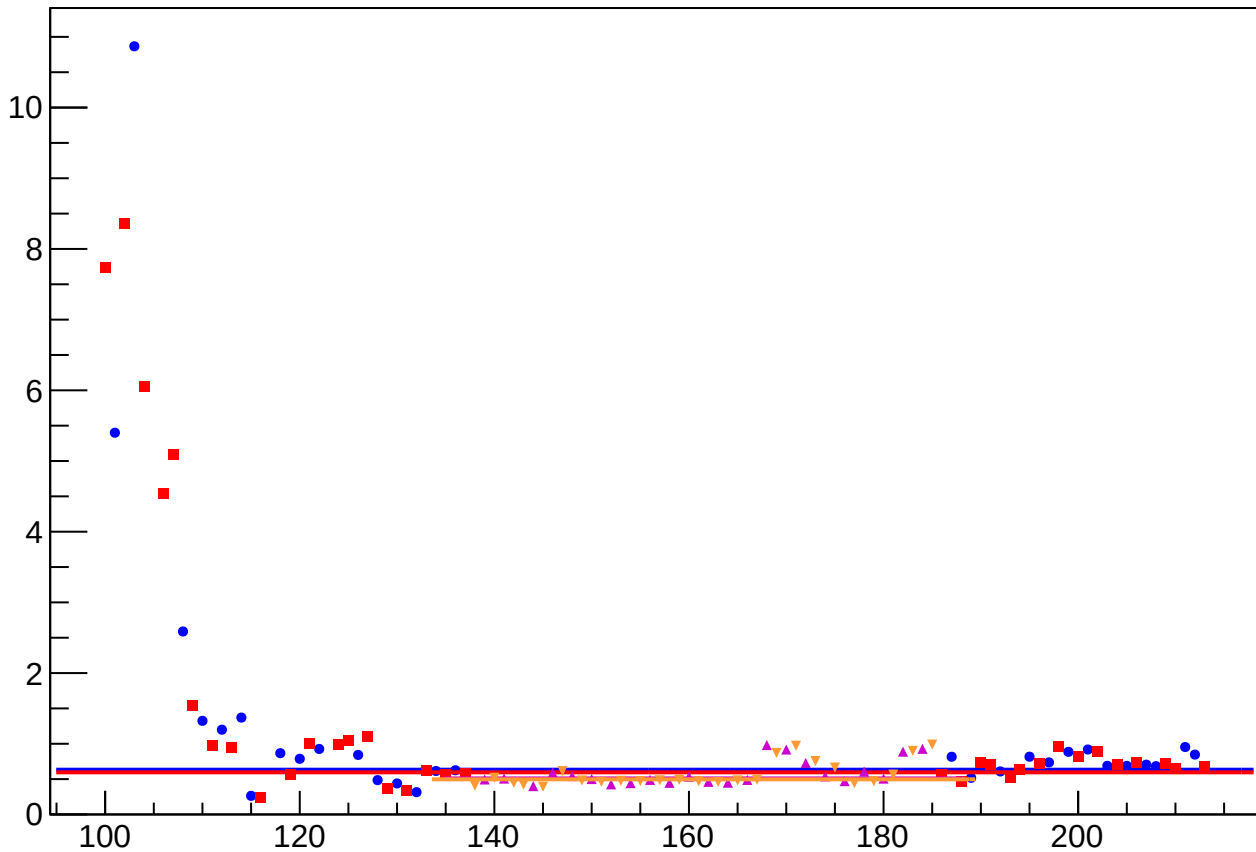
Left In: 134.250 $\pm$ 0.000 χ^2 /NDF: 441522664.4/22

+ sign 135.493 $\pm$ 0.000 χ^2 /NDF: 3838779691.4/53

All: 134.880 $\pm$ 0.000 χ^2 /NDF: 9784505468.1

- sign 134.271 $\pm$ 0.000 χ^2 /NDF: 5873548058.1/56

yield_cav4cQ_rms vs Slug



Right In: 0.633 $\pm$ 0.000 χ^2 /NDF: 5159916.8/28

Left Out: 0.497 $\pm$ 0.000 χ^2 /NDF:1572512.9/24

Right Out: 0.596 $\pm$ 0.000 χ^2 /NDF: 6041416.7/33

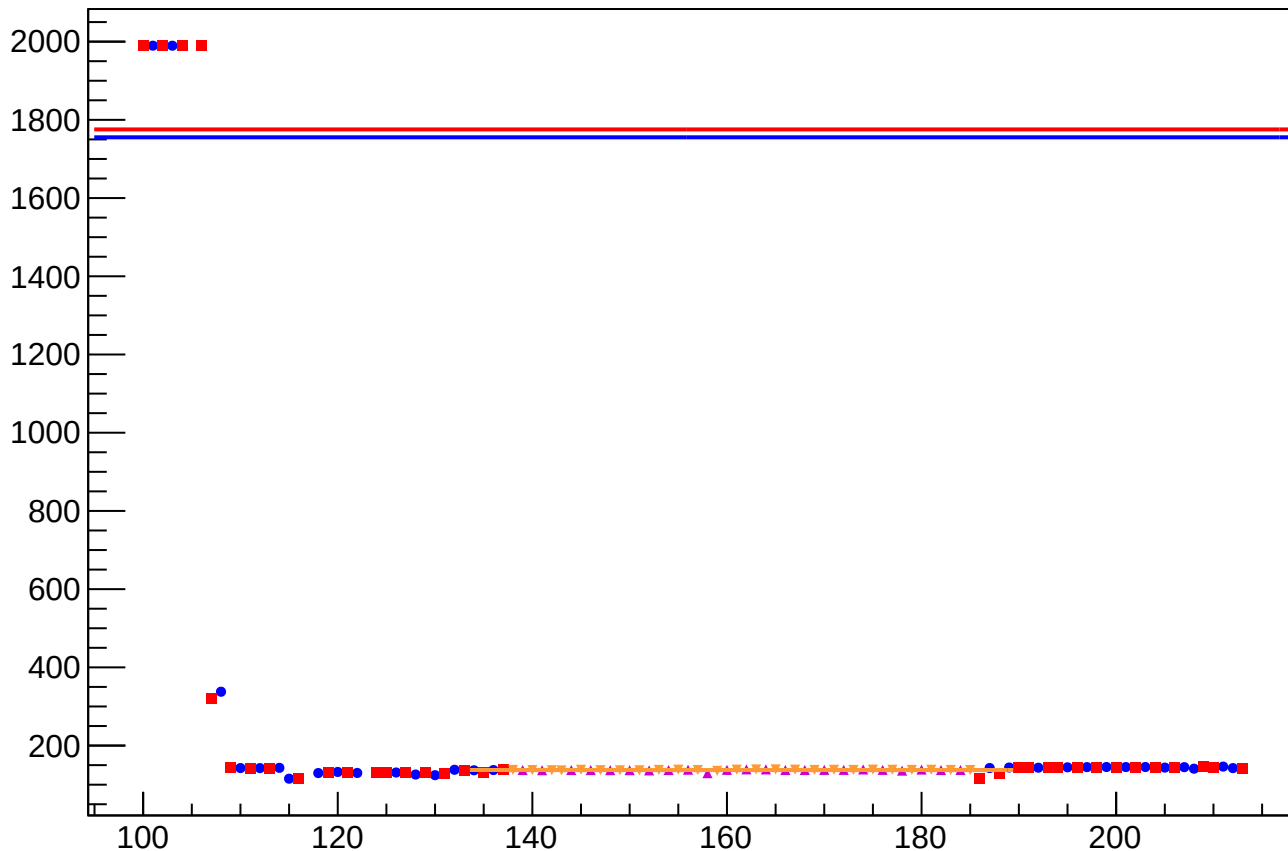
Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:1485489.4/22

+ sign 0.539 $\pm$ 0.000 χ^2 /NDF: 7490807.6/53

All: 0.540 $\pm$ 0.000 χ^2 /NDF: 15357993.4/110

- sign 0.542 $\pm$ 0.000 χ^2 /NDF: 7865938.8/56

yield_cav4dQ_mean vs Slug



Right In: 1755.356+/-0.000 χ^2/NDF : 227563468548307.3/28

Left Out: 137.578+/-0.000 χ^2/NDF : 64111345.2/24

+ sign 1538.630+/-0.000 χ^2/NDF : 43800612410895

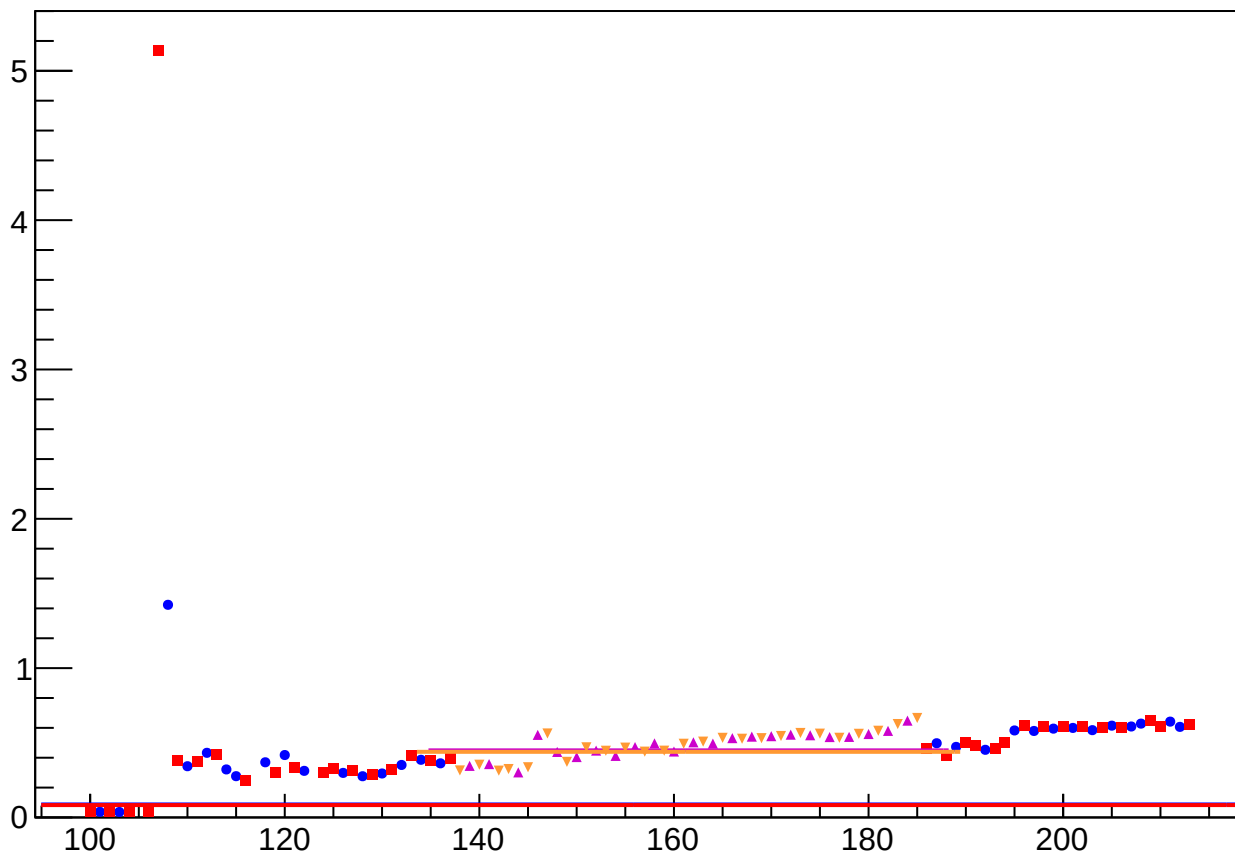
All: 1570.733+/-0.000 χ^2/NDF : 88928592377

Right Out: 1775.519+/-0.000 χ^2/NDF : 246696553172264.8/33

- sign 1598.981+/-0.000 χ^2/NDF : 44993703846804

Left In: 137.349+/-0.000 χ^2/NDF : 248752254.7/22

yield_cav4dQ_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF : 23003597.6/28

Left Out: 0.440+/-0.000 χ^2/NDF :1765604.0/24

Right Out: 0.083+/-0.000 χ^2/NDF : 24858568.9/33

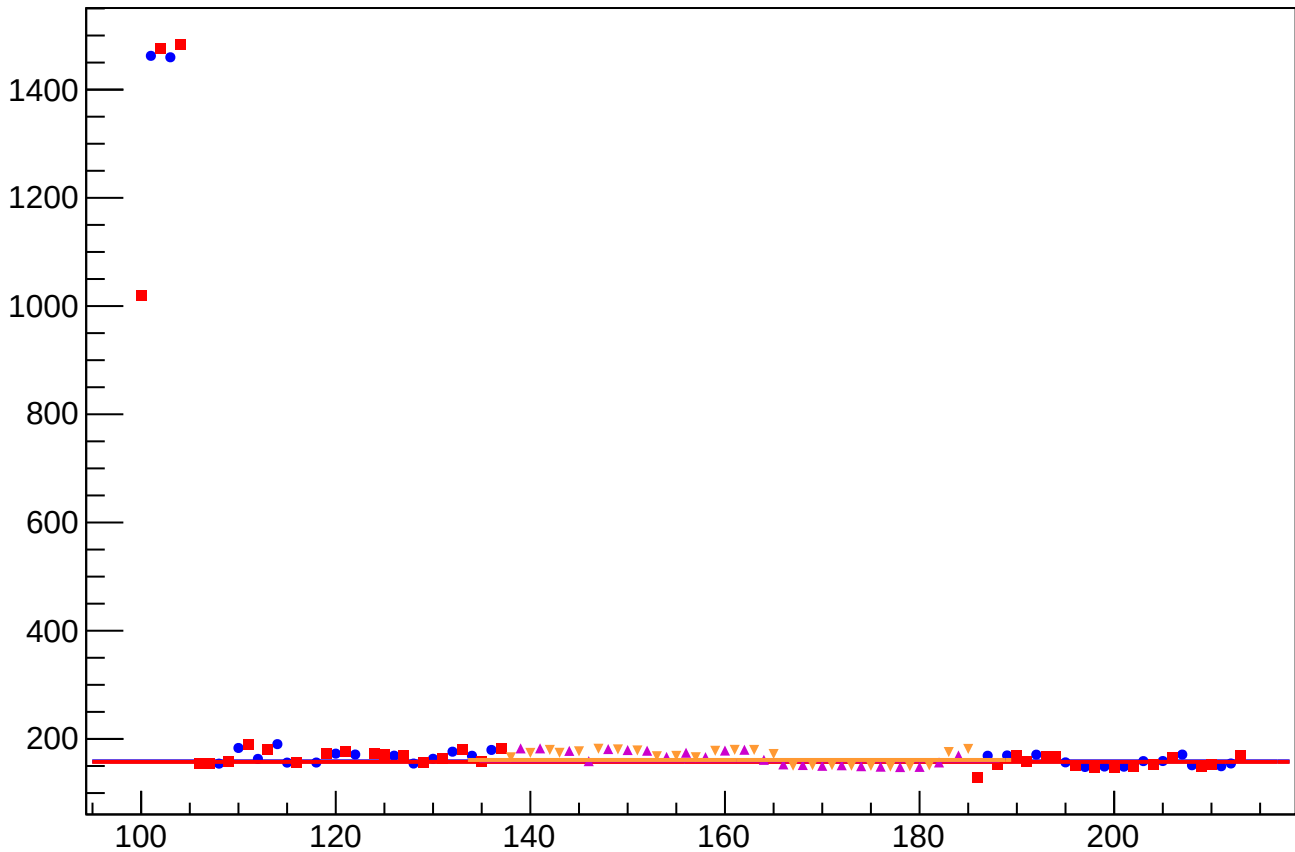
Left In: 0.449+/-0.000 χ^2/NDF :1340860.2/22

+ sign 0.134+/-0.000 χ^2/NDF : 44756546.5/53

All: 0.128+/-0.000 χ^2/NDF : 91392786.7/110

- sign 0.122+/-0.000 χ^2/NDF : 46532229.3/56

yield_bcm0l02_mean vs Slug



Right In: 158.613 $\pm$ 0.000 χ^2 /NDF: 15992881092.9/28

Left Out: 161.147 $\pm$ 0.000 χ^2 /NDF: 3739064587.8/24

Right Out: 157.603 $\pm$ 0.000 χ^2 /NDF: 18373091178.1/33

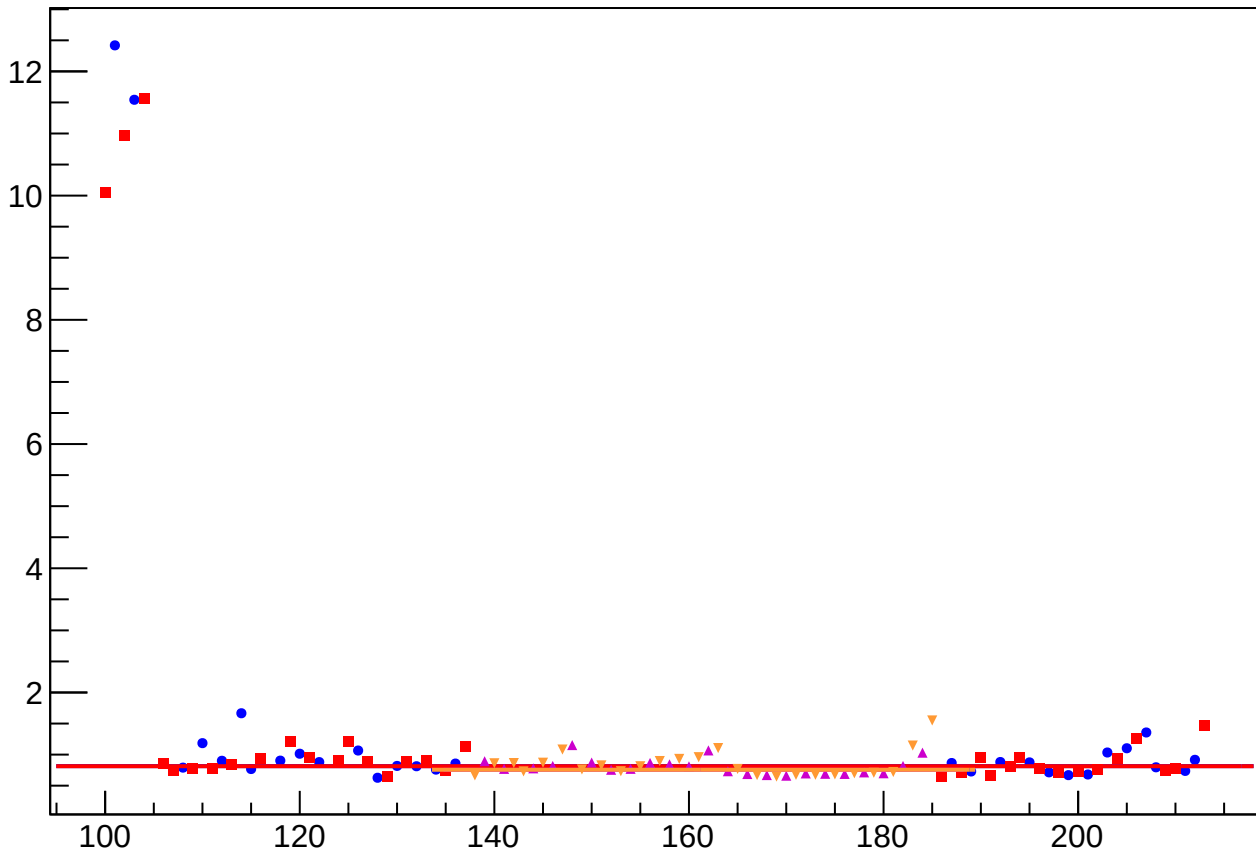
Left In: 160.140 $\pm$ 0.000 χ^2 /NDF: 3738383186.1/22

+ sign 160.088 $\pm$ 0.000 χ^2 /NDF: 19797747466.3/53

All: 159.528 $\pm$ 0.000 χ^2 /NDF: 42004437724.0

- sign 158.984 $\pm$ 0.000 χ^2 /NDF: 22180647082.0/56

yield_bcm0l02_rms vs Slug



Right In: 0.815 ± 0.000 χ^2/NDF : 2884189.3/28

Left Out: 0.756 ± 0.000 χ^2/NDF : 750259.3/24

Right Out: 0.813 ± 0.000 χ^2/NDF : 2859560.0/33

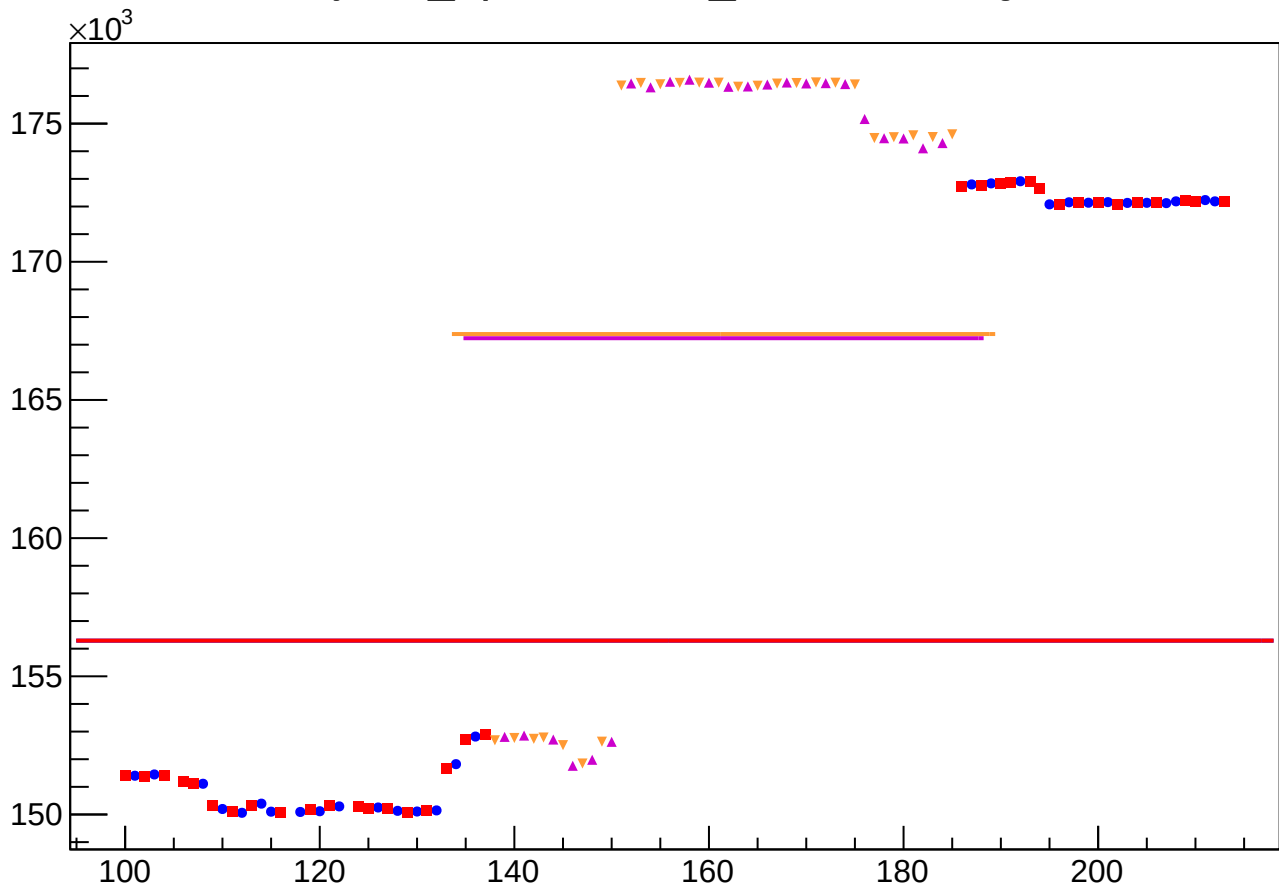
Left In: 0.755 ± 0.000 χ^2/NDF : 472792.1/22

+ sign 0.781 ± 0.000 χ^2/NDF : 3704487.1/53

All: 0.781 ± 0.000 χ^2/NDF : 7108214.8/110

- sign 0.782 ± 0.000 χ^2/NDF : 3403689.7/56

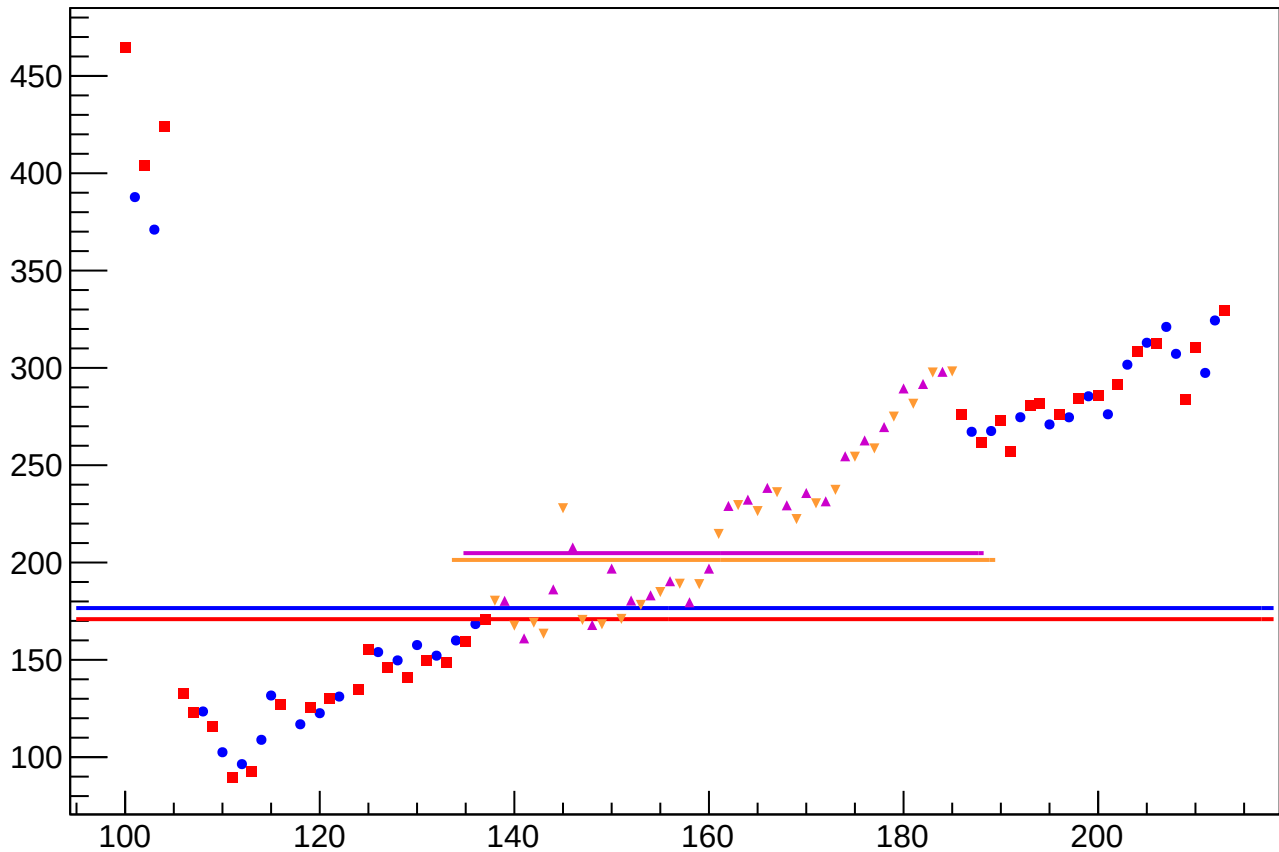
yield_bpm2i01WS_mean vs Slug



Right In: 156289.872 $\pm$ 0.047 χ^2 /NDF: 41912667599.7/28
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 156291.720 $\pm$ 0.044 χ^2 /NDF: 48284112681.2/33
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22

+ sign 161853.877 $\pm$ 0.033 χ^2 /NDF: 129619053278
 All: 161503.240 $\pm$ 0.023 χ^2 /NDF: 261040878
 - sign 161162.844 $\pm$ 0.033 χ^2 /NDF: 131200575860

yield_bpm2i01WS_rms vs Slug



Right In: 176.598 $\pm$ 0.033 χ^2 /NDF: 5721096.5/28

Left Out: 201.329 $\pm$ 0.033 χ^2 /NDF:1230655.6/24

Right Out: 170.902 $\pm$ 0.031 χ^2 /NDF: 6816309.7/33

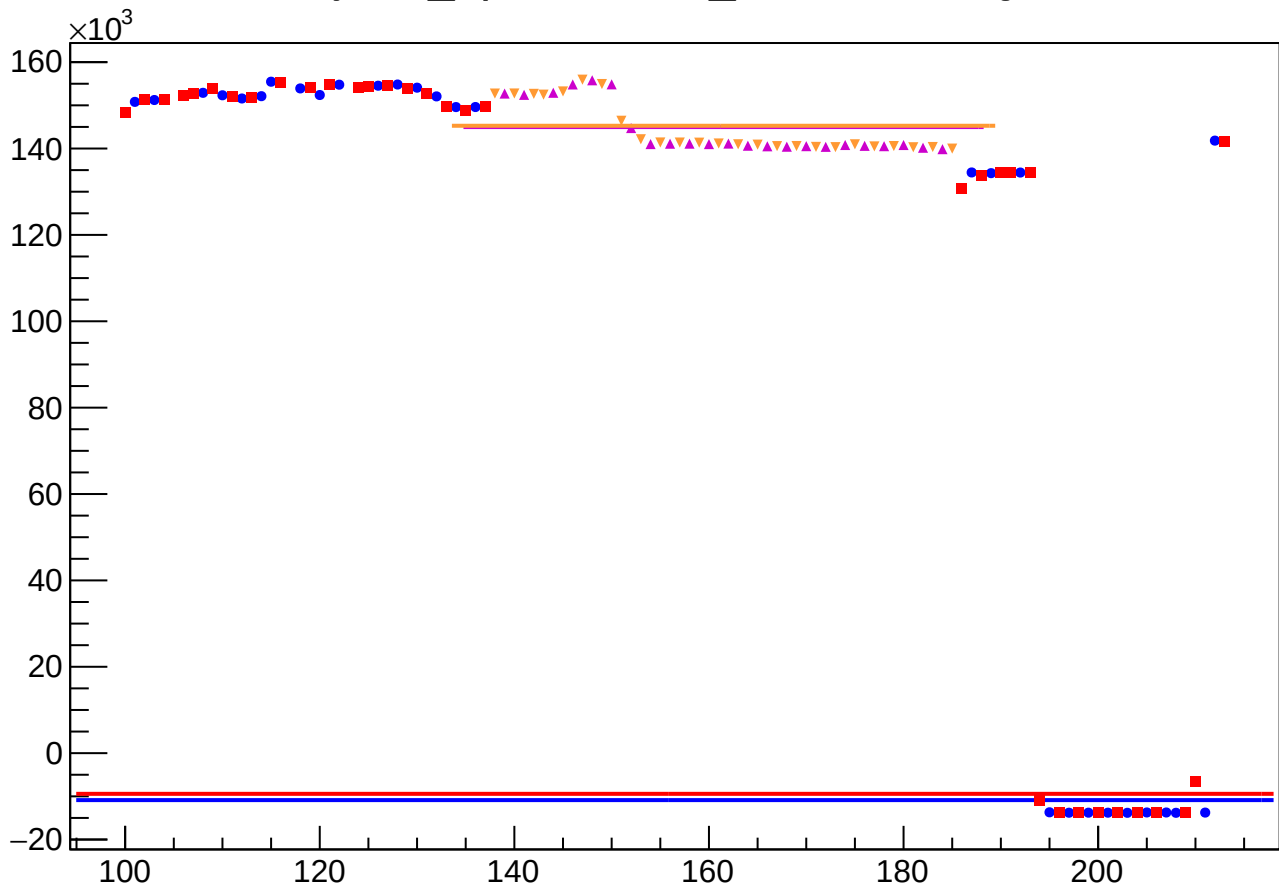
Left In: 204.826 $\pm$ 0.035 χ^2 /NDF:1053130.7/22

+ sign 189.000 $\pm$ 0.023 χ^2 /NDF: 7230969.8/53

All: 187.479 $\pm$ 0.016 χ^2 /NDF: 15643443.2/1

- sign 186.003 $\pm$ 0.023 χ^2 /NDF: 8404154.8/56

yield_bpm0i07WS_mean vs Slug



Right In: -10871.887 ± 0.009

χ^2/NDF : 6079207157628.6/28

Left Out: 145269.857 ± 0.049

χ^2/NDF : 13706269279.5/24

Right Out: -9419.032 ± 0.009

χ^2/NDF : 7341263408450.8/33

Left In: 144966.398 ± 0.051

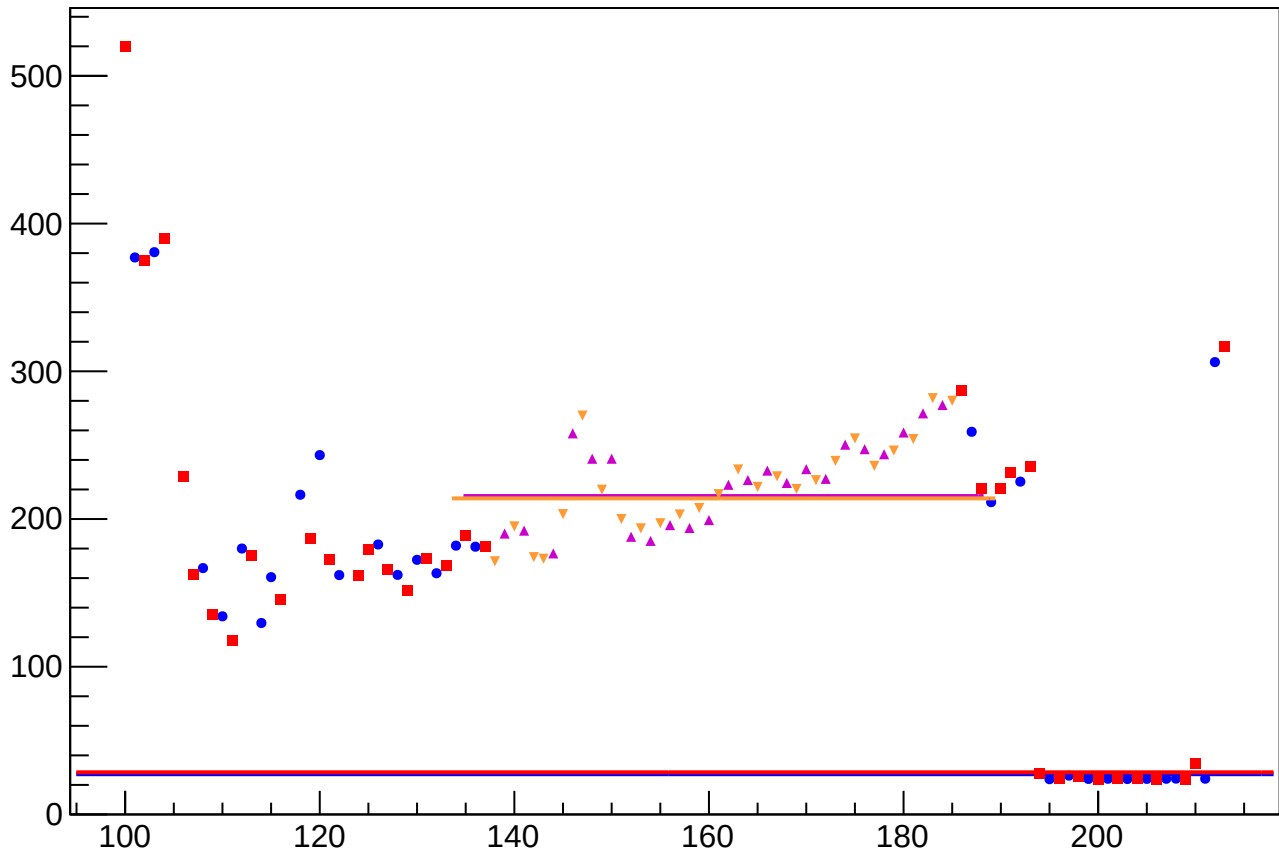
χ^2/NDF : 13154547043.3/22

+ sign -6124.167 ± 0.009 χ^2/NDF : 1578445390386

All: -5323.575 ± 0.006 χ^2/NDF : 3195291923

- sign -4404.254 ± 0.009 χ^2/NDF : 16149899398921

yield_bpm0i07WS_rms vs Slug



Right In: 27.261 $\pm$ 0.006 χ^2/NDF : 14008165.8/28

Left Out: 213.951 $\pm$ 0.035 χ^2/NDF : 650607.8/24

Right Out: 28.535 $\pm$ 0.007 χ^2/NDF : 15946854.2/33

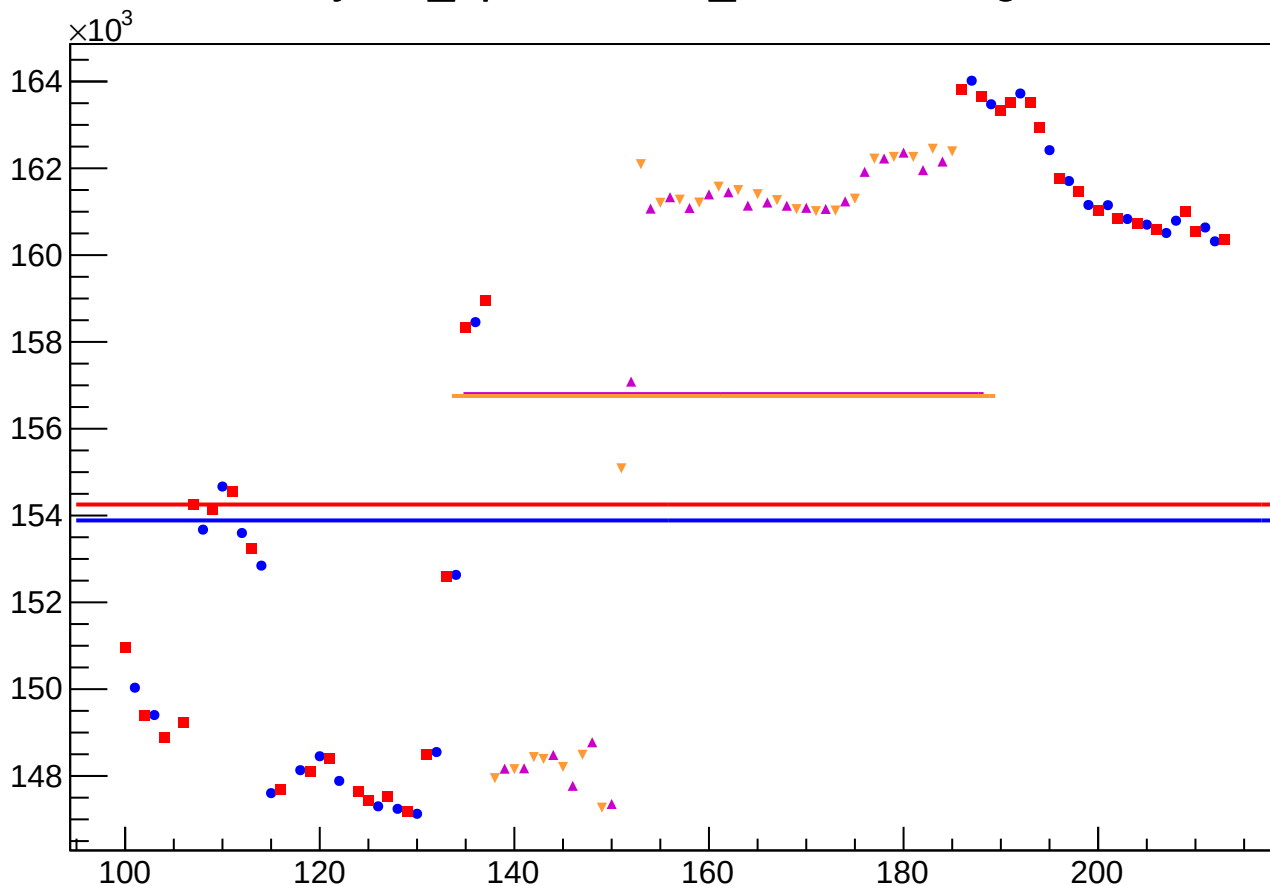
Left In: 215.539 $\pm$ 0.036 χ^2/NDF : 600575.7/22

+ sign 32.937 $\pm$ 0.006 χ^2/NDF : 42368333.9/53

All: 33.715 $\pm$ 0.004 χ^2/NDF : 84760229.4/110

- sign 34.609 $\pm$ 0.007 χ^2/NDF : 42356802.8/56

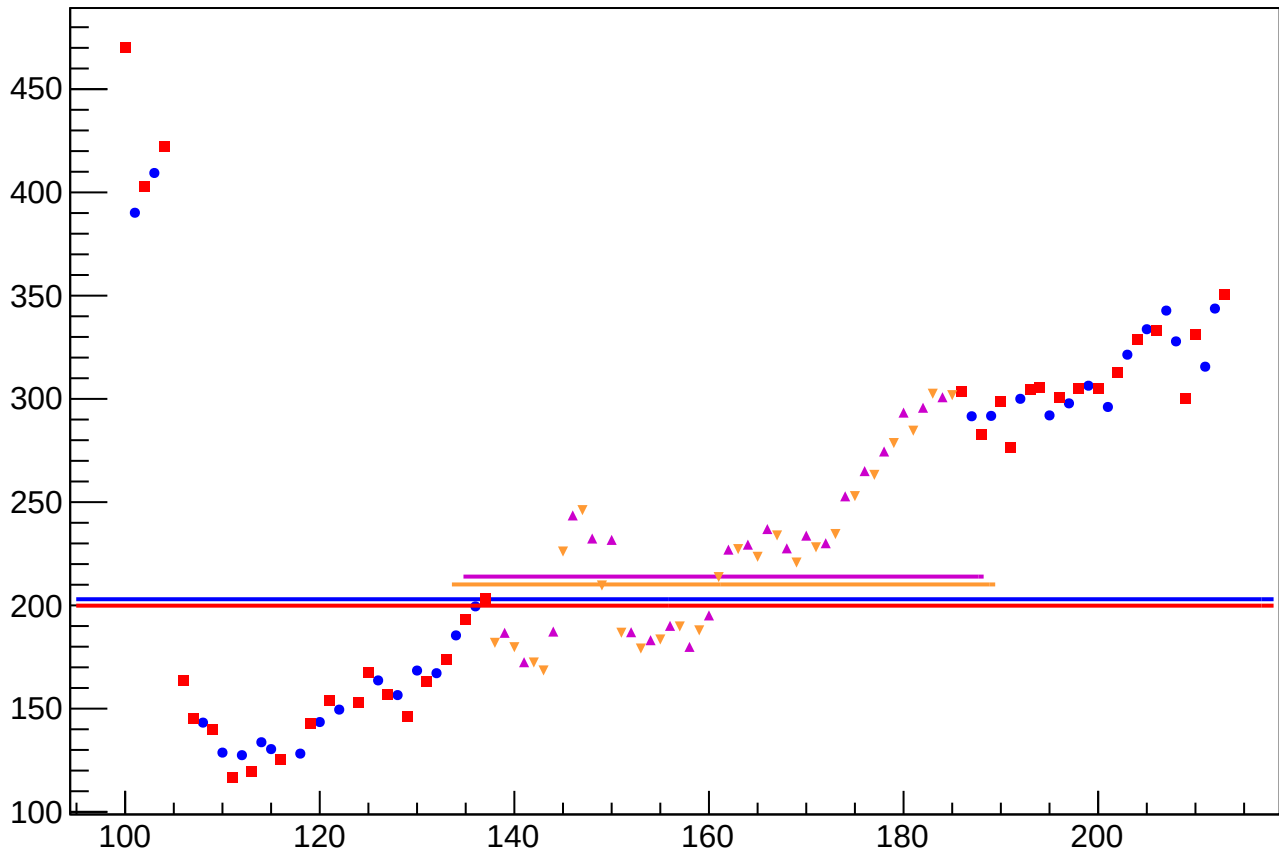
yield_bpm0i01WS_mean vs Slug



Right In: 153887.126 $\pm$ 0.053 χ^2 /NDF: 12054985498.9/28
 Left Out: 156754.233 $\pm$ 0.049 χ^2 /NDF: 16380807583.4/24
 Right Out: 154254.112 $\pm$ 0.050 χ^2 /NDF: 13158193551.5/33
 Left In: 156798.005 $\pm$ 0.051 χ^2 /NDF: 14344098884.4/22

+ sign 155442.246 $\pm$ 0.036 χ^2 /NDF: 30025807294.
 All: 155475.489 $\pm$ 0.025 χ^2 /NDF: 587932710
 - sign 155508.657 $\pm$ 0.036 χ^2 /NDF: 28765743313.5

yield_bpm0i01WS_rms vs Slug



Right In: 202.982 $\pm$ 0.037 χ^2 /NDF: 4754870.7/28

Left Out: 210.142 $\pm$ 0.034 χ^2 /NDF:997802.7/24

Right Out: 199.871 $\pm$ 0.036 χ^2 /NDF: 5435407.8/33

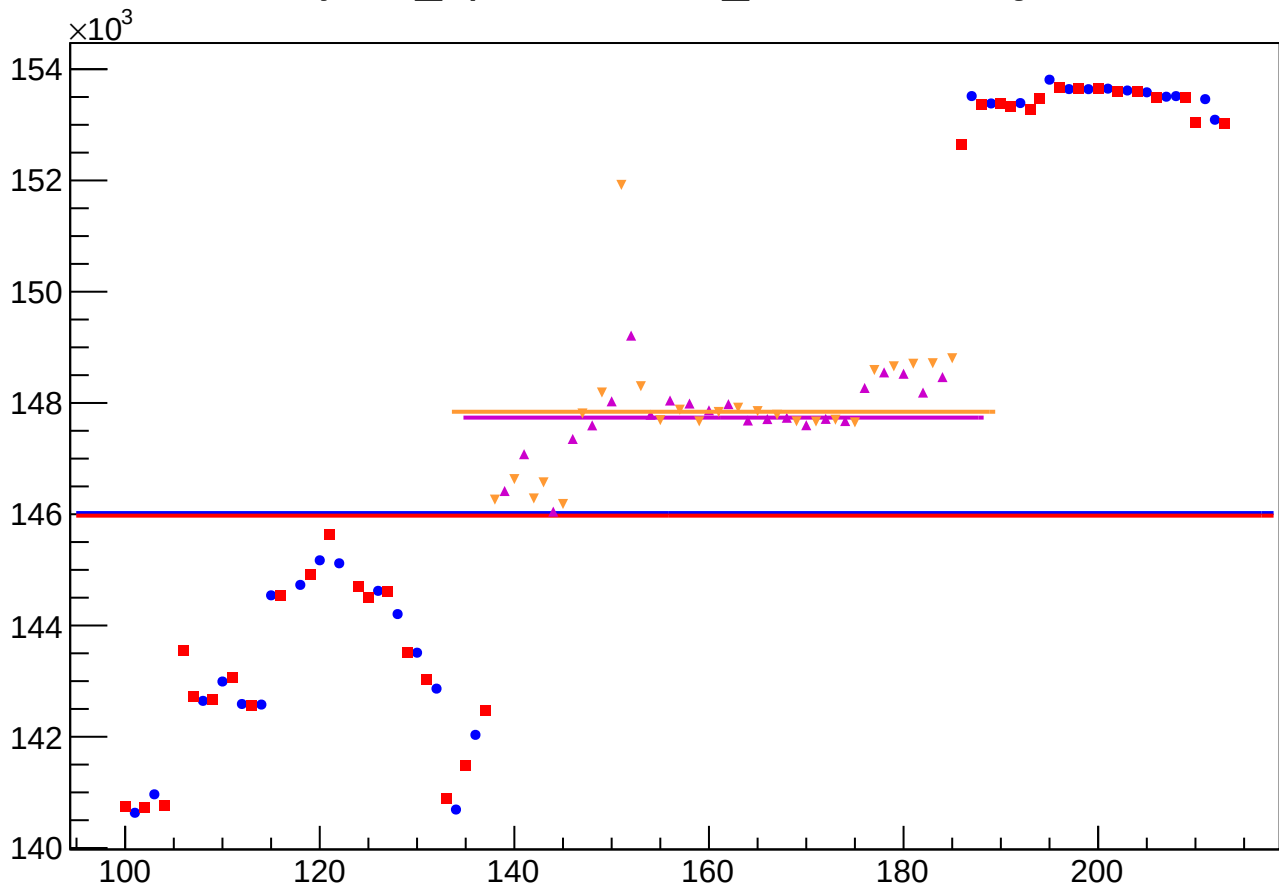
Left In: 213.945 $\pm$ 0.036 χ^2 /NDF:914465.3/22

+ sign 206.866 $\pm$ 0.025 χ^2 /NDF: 5772503.4/53

All: 206.839 $\pm$ 0.018 χ^2 /NDF: 12199727.5/11

- sign 206.812 $\pm$ 0.025 χ^2 /NDF: 6427221.8/56

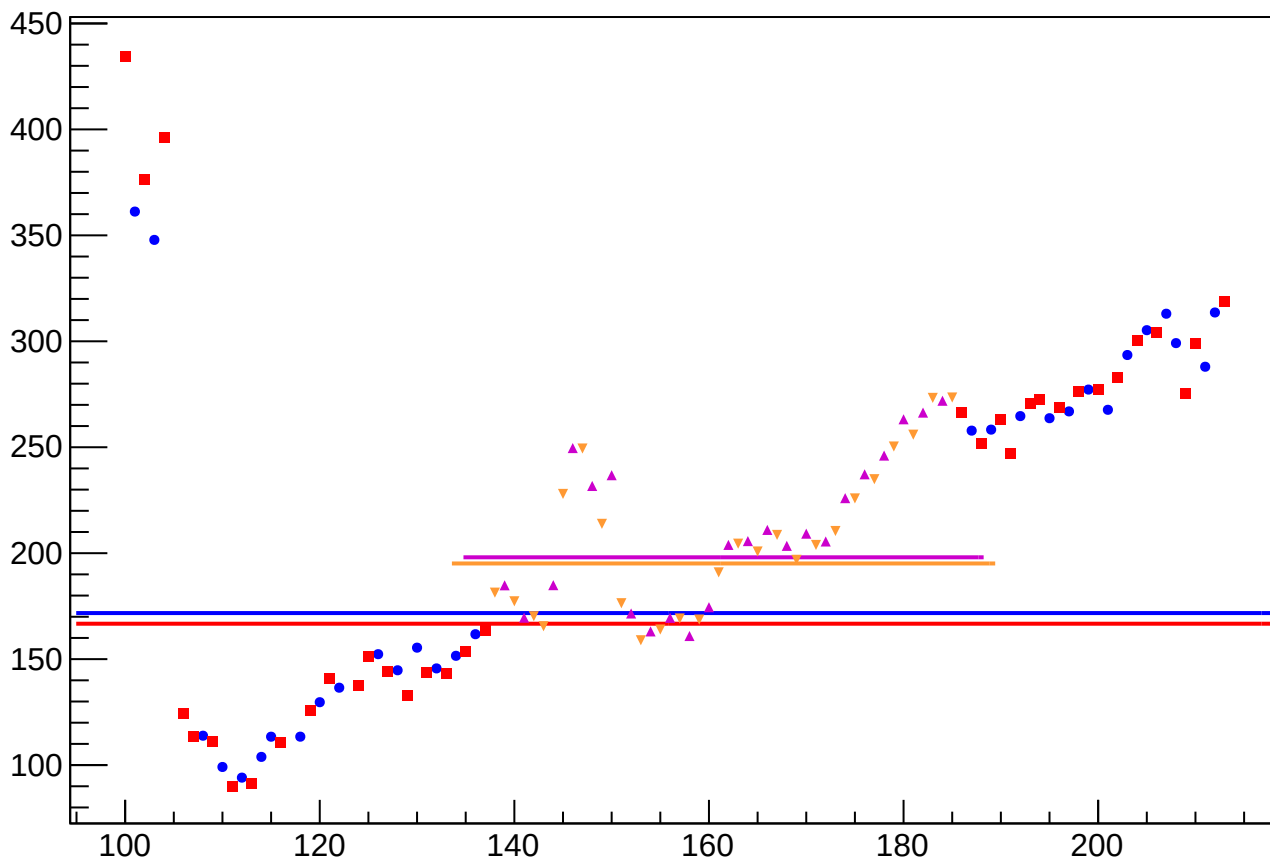
yield_bpm0i01aWS_mean vs Slug



Right In: 146020.748 $\pm$ 0.046 χ^2 /NDF: 10343928913.5/28
 Left Out: 147842.157 $\pm$ 0.045 χ^2 /NDF: 713066054.2/24
 Right Out: 145974.511 $\pm$ 0.043 χ^2 /NDF: 11648588965.1/33
 Left In: 147736.722 $\pm$ 0.047 χ^2 /NDF: 227077133.0/22

+ sign 146940.196 $\pm$ 0.032 χ^2 /NDF: 11863582531.
 All: 146851.892 $\pm$ 0.023 χ^2 /NDF: 245225779
 - sign 146766.013 $\pm$ 0.032 χ^2 /NDF: 12644035688.3

yield_bpm0i01aWS_rms vs Slug



Right In: 171.742 $\pm$ 0.032 χ^2 /NDF: 5662396.8/28

Left Out: 195.145 $\pm$ 0.032 χ^2 /NDF: 903994.2/24

Right Out: 166.717 $\pm$ 0.030 χ^2 /NDF: 6654579.4/33

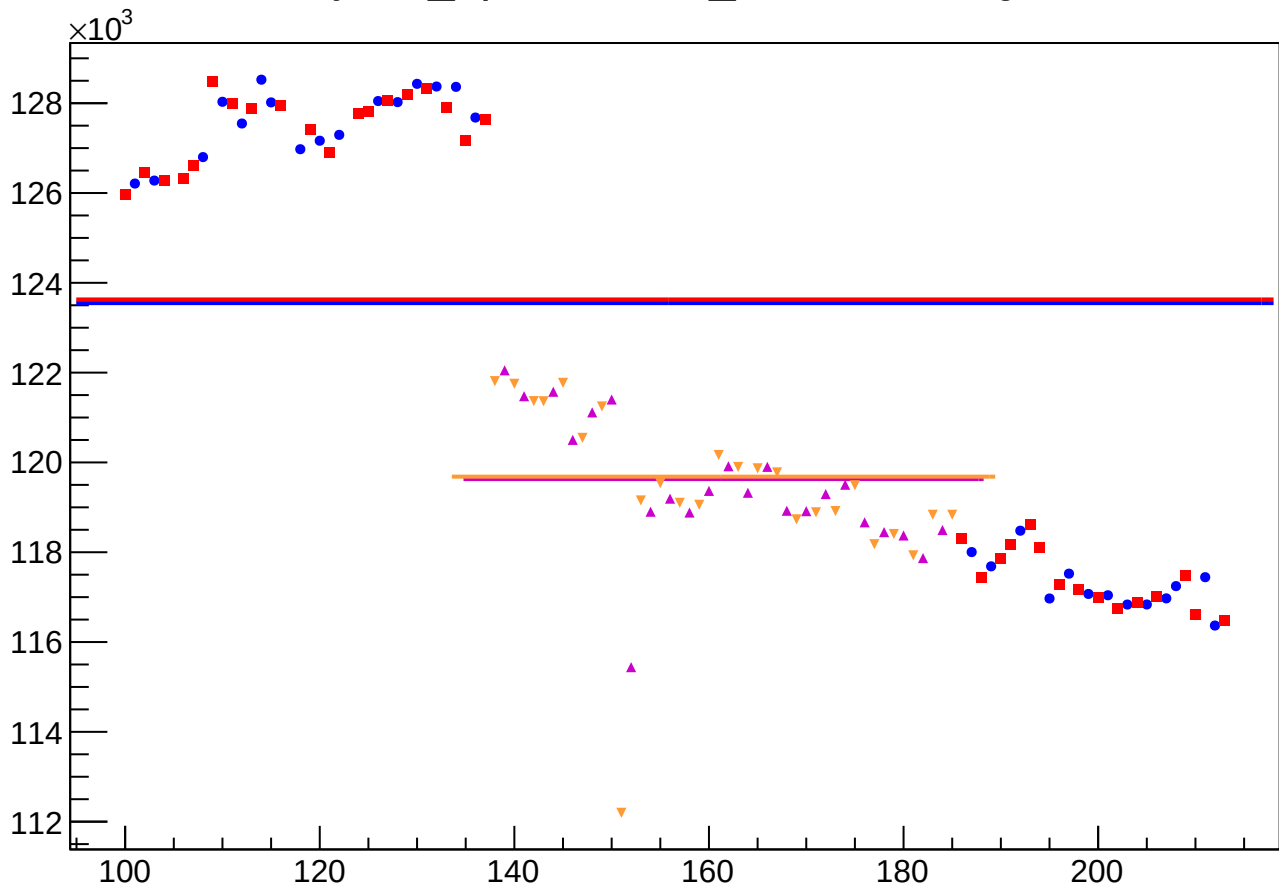
Left In: 198.057 $\pm$ 0.033 χ^2 /NDF: 900359.1/22

+ sign 183.556 $\pm$ 0.023 χ^2 /NDF: 6832722.4/53

All: 182.155 $\pm$ 0.016 χ^2 /NDF: 14881243.8/11

- sign 180.793 $\pm$ 0.022 χ^2 /NDF: 8040993.1/56

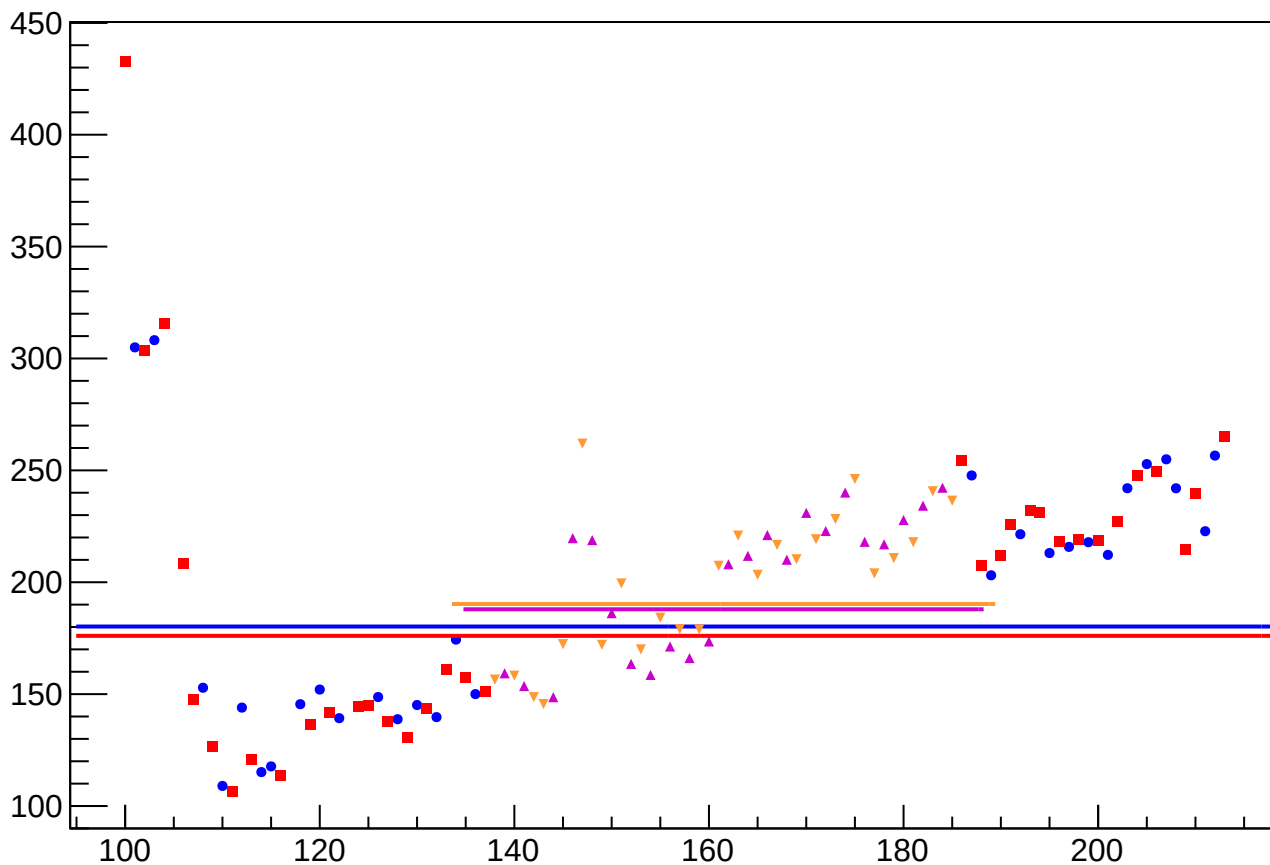
yield_bpm0l01WS_mean vs Slug



Right In: 123547.949 $\pm$ 0.045 χ^2 /NDF: 12887020569.1/28
 Left Out: 119683.519 $\pm$ 0.044 χ^2 /NDF: 1985993997.6/24
 Right Out: 123630.003 $\pm$ 0.043 χ^2 /NDF: 14350622375.9/33
 Left In: 119629.600 $\pm$ 0.045 χ^2 /NDF: 1317214801.7/22

+ sign 121569.853 $\pm$ 0.032 χ^2 /NDF: 18593470438.
 All: 121652.916 $\pm$ 0.022 χ^2 /NDF: 384314430
 - sign 121732.422 $\pm$ 0.031 χ^2 /NDF: 19824508503.7

yield_bpm0l01WS_rms vs Slug



Right In: 180.209 $\pm$ 0.032 χ^2 /NDF: 2414858.5/28

Left Out: 190.298 $\pm$ 0.031 χ^2 /NDF: 924542.3/24

Right Out: 176.049 $\pm$ 0.030 χ^2 /NDF: 3112593.4/33

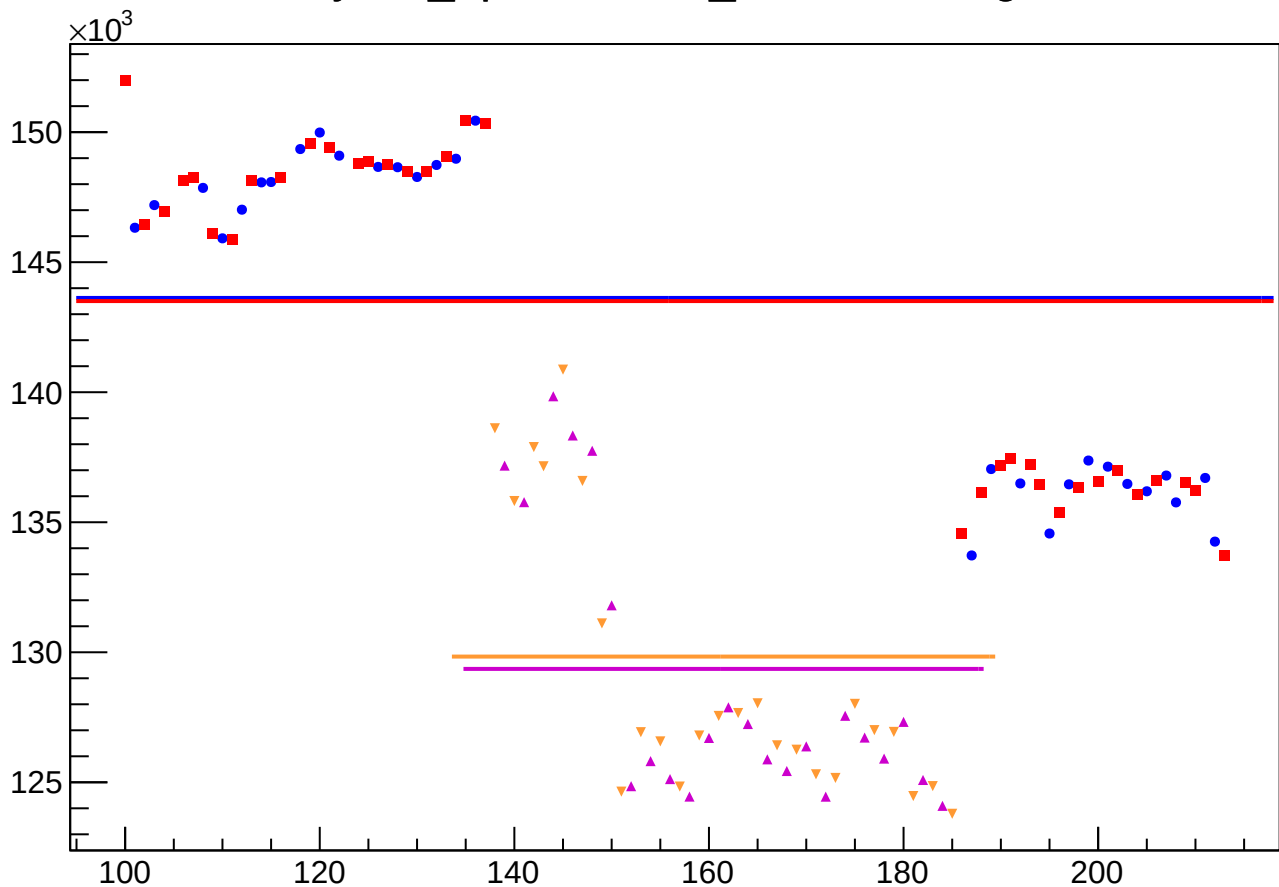
Left In: 187.909 $\pm$ 0.032 χ^2 /NDF: 926037.0/22

+ sign 185.373 $\pm$ 0.022 χ^2 /NDF: 3390117.2/53

All: 183.483 $\pm$ 0.016 χ^2 /NDF: 7515753.1/110

- sign 181.675 $\pm$ 0.022 χ^2 /NDF: 4111700.0/56

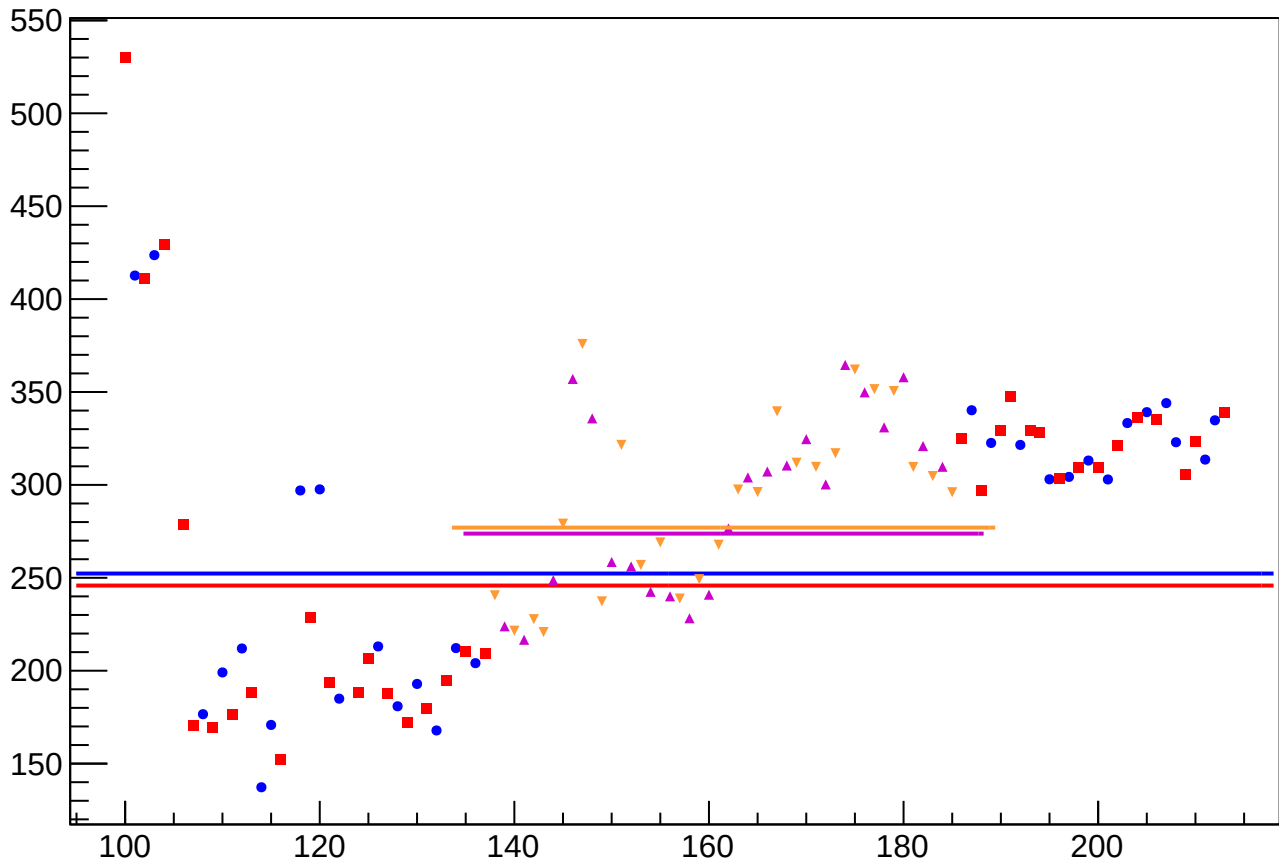
yield_bpm0l02WS_mean vs Slug



Right In: 143625.272 ± 0.064 $\chi^2/\text{NDF}: 9288712183.6/28$
 Left Out: 129834.437 ± 0.064 $\chi^2/\text{NDF}: 6793515279.7/24$
 Right Out: 143504.674 ± 0.060 $\chi^2/\text{NDF}: 10228217619.0/33$
 Left In: 129360.487 ± 0.065 $\chi^2/\text{NDF}: 6626094577.9/22$

+ sign 136799.083 ± 0.045 $\chi^2/\text{NDF}: 39386603781.6/28$
 All: 136945.223 ± 0.032 $\chi^2/\text{NDF}: 818393164.0/28$
 - sign 137084.108 ± 0.044 $\chi^2/\text{NDF}: 42432294671.3/28$

yield_bpm0l02WS_rms vs Slug



Right In: 252.299 $\pm$ 0.045 χ^2 /NDF: 2535573.1/28

Left Out: 277.021 $\pm$ 0.045 χ^2 /NDF:946602.2/24

Right Out: 245.830 $\pm$ 0.042 χ^2 /NDF: 2957325.6/33

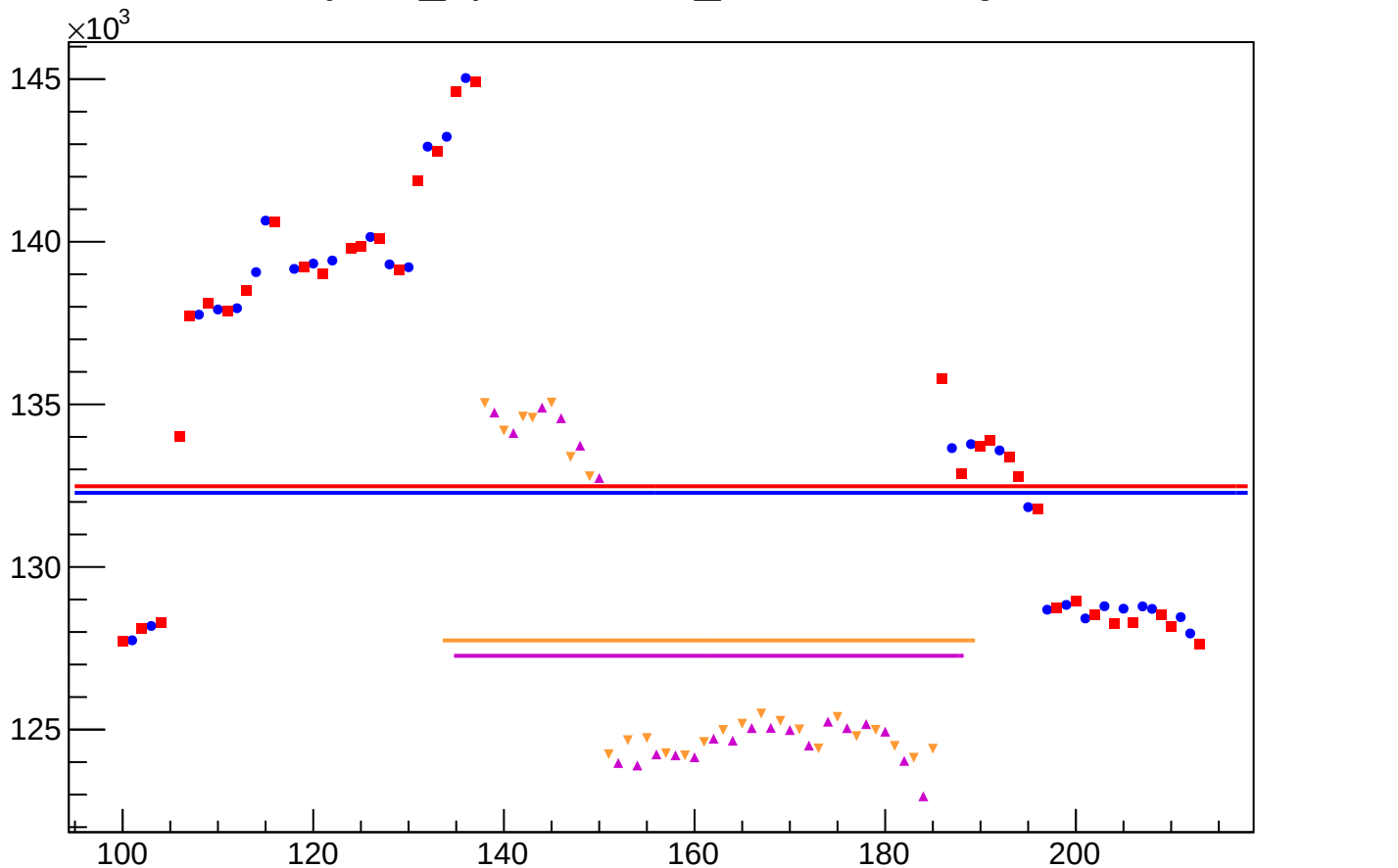
Left In: 273.784 $\pm$ 0.046 χ^2 /NDF:1003910.6/22

+ sign 264.536 $\pm$ 0.032 χ^2 /NDF: 3631948.5/53

All: 261.451 $\pm$ 0.022 χ^2 /NDF: 7811195.8/110

- sign 258.520 $\pm$ 0.031 χ^2 /NDF: 4161053.0/56

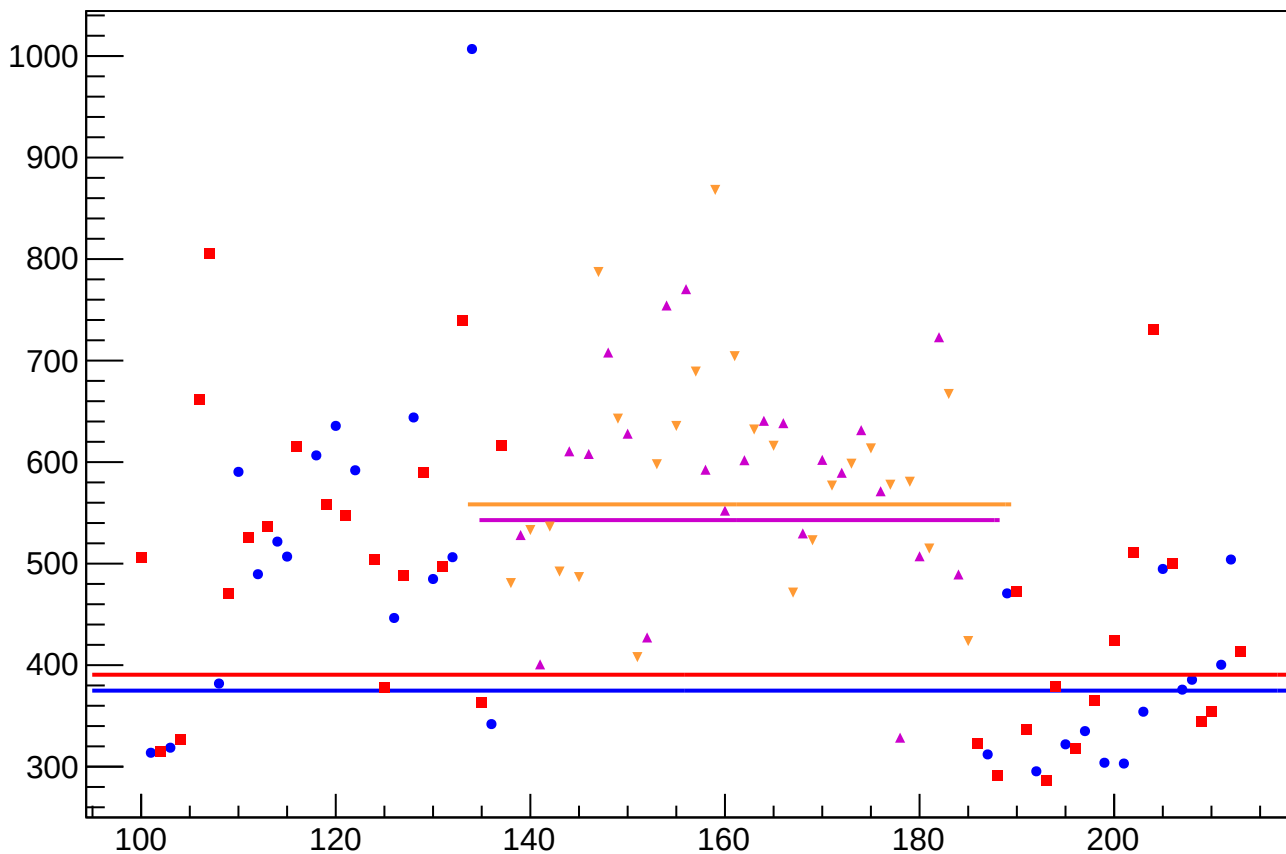
yield_bpm0l03WS_mean vs Slug



Right In: 132278.709 ± 0.102 $\chi^2/\text{NDF}: 2771587114.2/28$
 Left Out: 127741.156 ± 0.136 $\chi^2/\text{NDF}: 1092529845.6/24$
 Right Out: 132482.524 ± 0.103 $\chi^2/\text{NDF}: 2085561063.9/33$
 Left In: 127268.542 ± 0.139 $\chi^2/\text{NDF}: 971404491.0/22$

+ sign 130636.643 ± 0.082 $\chi^2/\text{NDF}: 4578911518.8$
 All: 130637.225 ± 0.058 $\chi^2/\text{NDF}: 855036924$
 - sign 130637.820 ± 0.082 $\chi^2/\text{NDF}: 3971457623.3/$

yield_bpm0l03WS_rms vs Slug



Right In: 374.902 ± 0.072 $\chi^2/\text{NDF}: 1663549.0/28$

Left Out: 558.373 ± 0.096 $\chi^2/\text{NDF}: 968289.3/24$

Right Out: 390.571 ± 0.073 $\chi^2/\text{NDF}: 2004272.2/33$

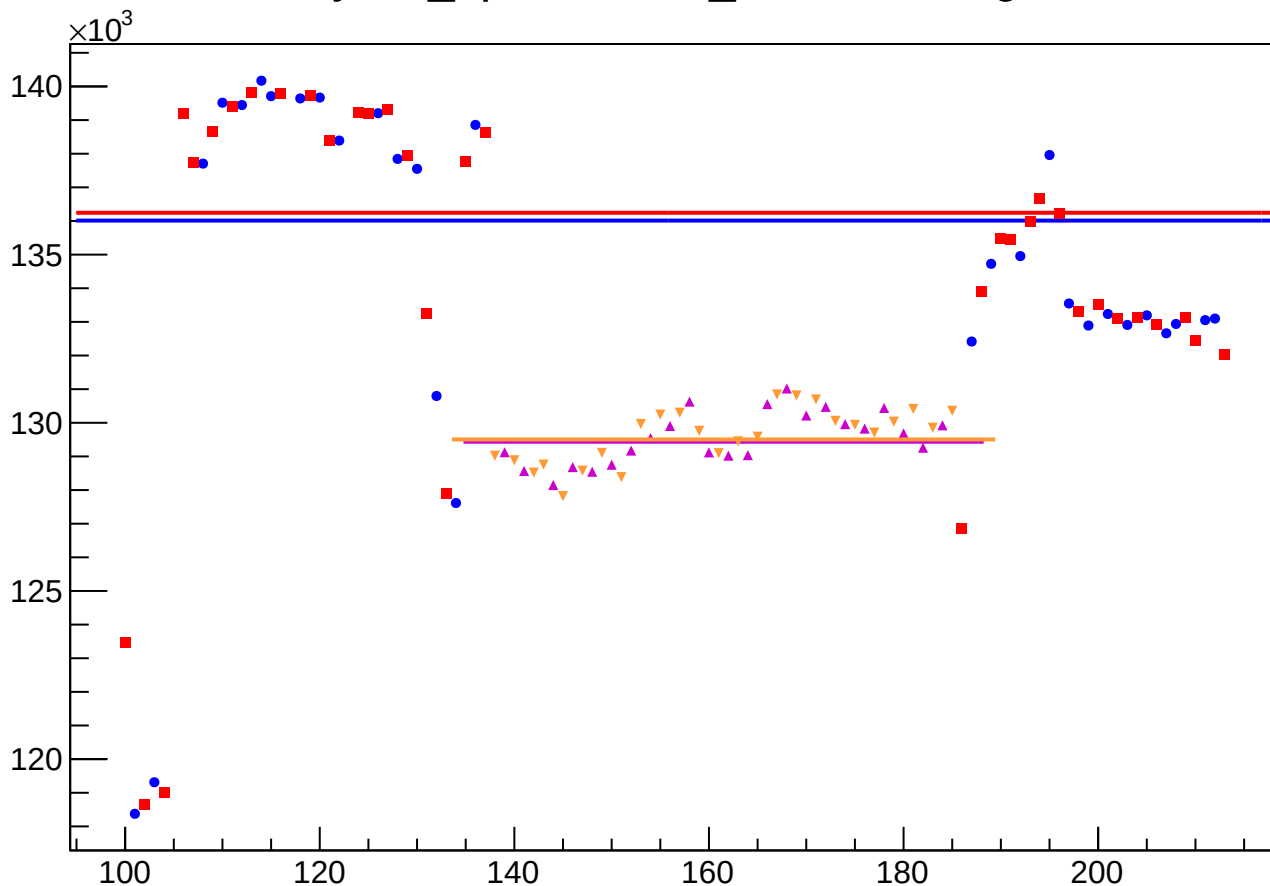
Left In: 542.872 ± 0.098 $\chi^2/\text{NDF}: 1416690.9/22$

+ sign 441.297 ± 0.058 $\chi^2/\text{NDF}: 4969061.7/53$

All: 442.859 ± 0.041 $\chi^2/\text{NDF}: 9952060.6/110$

- sign 444.455 ± 0.058 $\chi^2/\text{NDF}: 4981516.3/56$

yield_bpm0l04WS_mean vs Slug



Right In: 136012.066 $\pm$ 0.058 χ^2 /NDF: 6615995621.6/28

Left Out: 129504.922 $\pm$ 0.047 χ^2 /NDF: 299464438.2/24

Right Out: 136244.770 $\pm$ 0.055 χ^2 /NDF: 7040443348.7/33

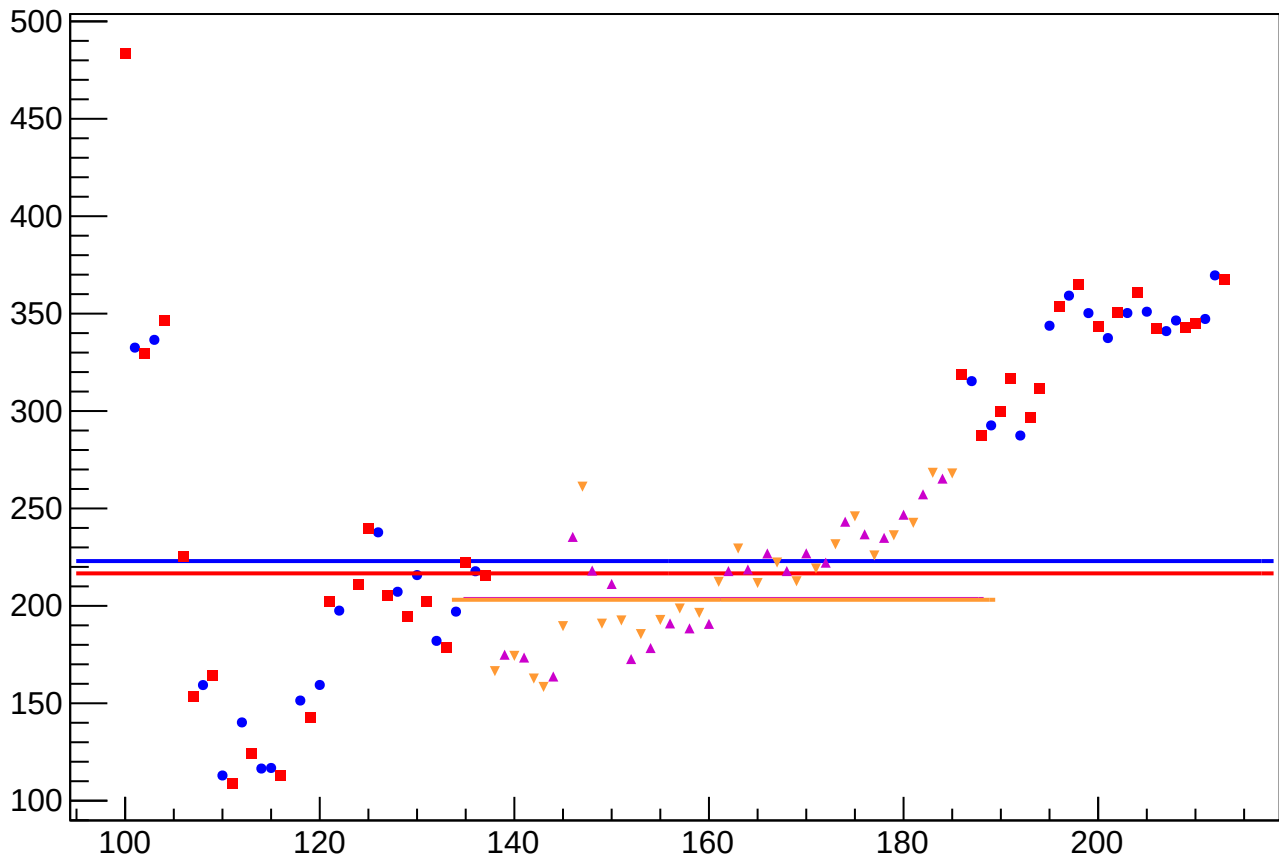
Left In: 129437.551 $\pm$ 0.048 χ^2 /NDF: 269025464.3/22

+ sign 132069.595 $\pm$ 0.037 χ^2 /NDF: 14471121777.7

All: 132251.232 $\pm$ 0.026 χ^2 /NDF: 305130868.5

- sign 132429.659 $\pm$ 0.036 χ^2 /NDF: 15993093390.5

yield_bpm0l04WS_rms vs Slug



Right In: 222.990 ± 0.041 $\chi^2/\text{NDF}: 4577247.6/28$

Left Out: 203.129 ± 0.033 $\chi^2/\text{NDF}: 758448.5/24$

Right Out: 216.675 ± 0.039 $\chi^2/\text{NDF}: 5513701.1/33$

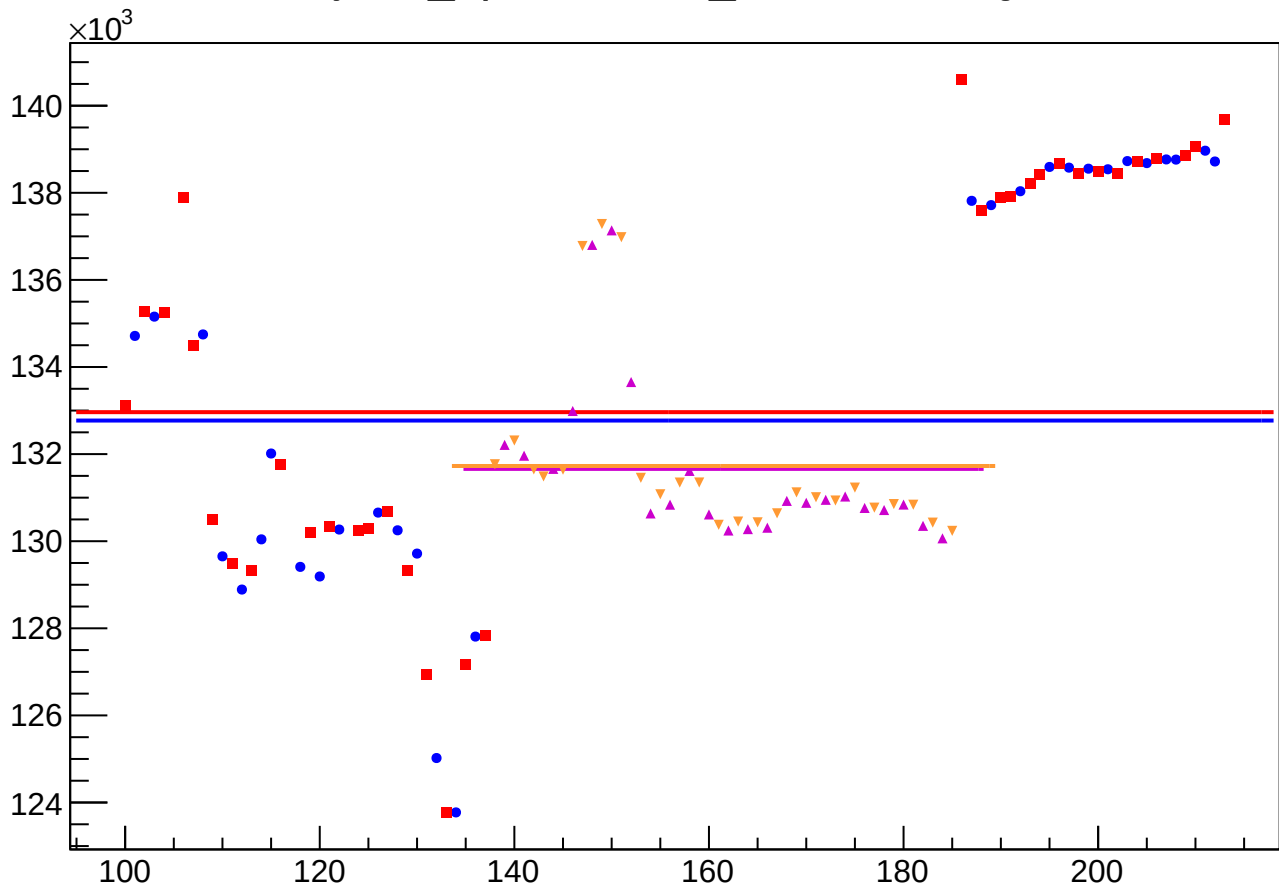
Left In: 203.546 ± 0.034 $\chi^2/\text{NDF}: 666043.6/22$

+ sign 210.957 ± 0.026 $\chi^2/\text{NDF}: 5476465.7/53$

All: 210.130 ± 0.018 $\chi^2/\text{NDF}: 11722835.9/117$

- sign 209.317 ± 0.026 $\chi^2/\text{NDF}: 6244343.4/56$

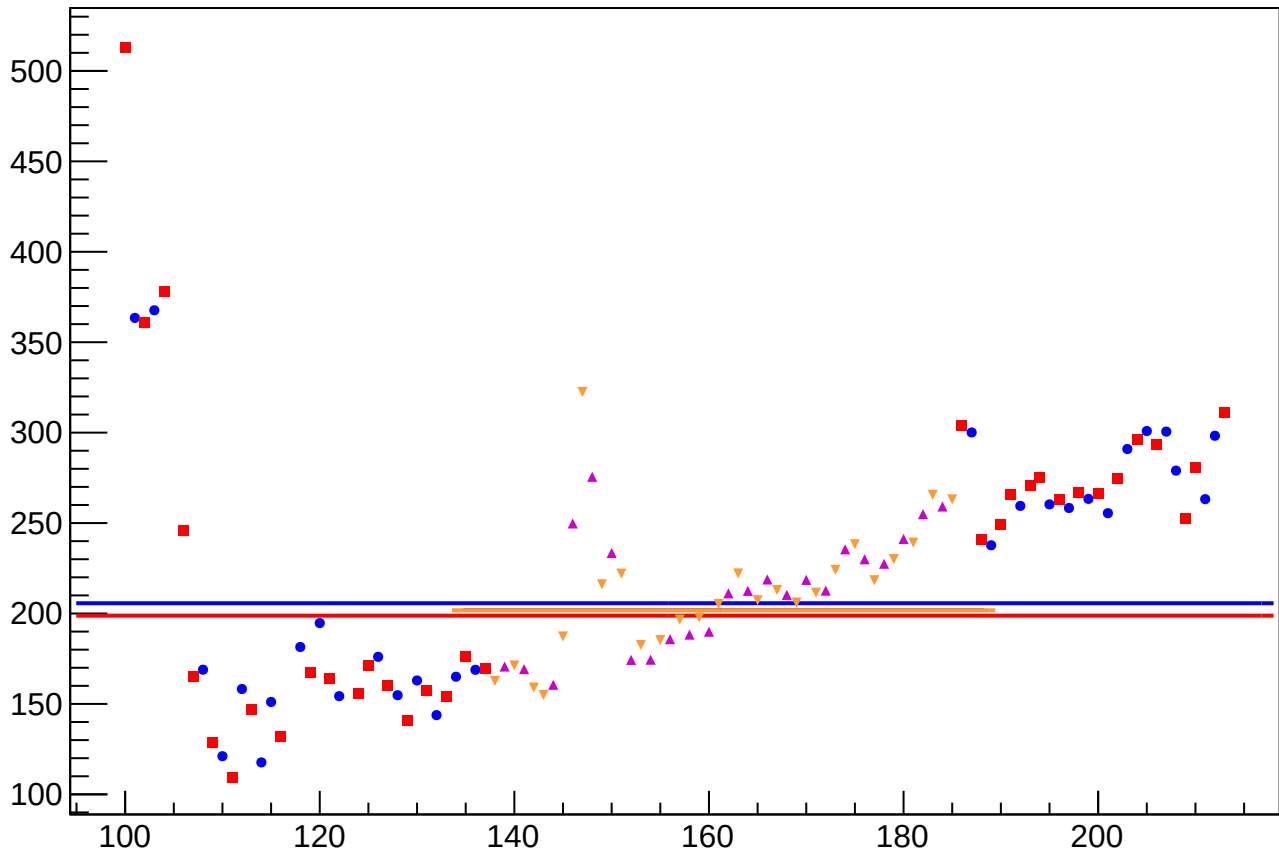
yield_bpm0l05WS_mean vs Slug



Right In: 132770.600 ± 0.052 $\chi^2/\text{NDF}: 8967561149.4/28$
 Left Out: 131727.086 ± 0.047 $\chi^2/\text{NDF}: 1425045697.6/24$
 Right Out: 132963.400 ± 0.049 $\chi^2/\text{NDF}: 9478000235.9/33$
 Left In: 131660.490 ± 0.048 $\chi^2/\text{NDF}: 1164380319.7/22$

+ sign 132191.465 ± 0.035 $\chi^2/\text{NDF}: 10613426904.6/28$
 All: 132247.377 ± 0.024 $\chi^2/\text{NDF}: 216207029.6/28$
 - sign 132301.506 ± 0.034 $\chi^2/\text{NDF}: 11002224336.6/28$

yield_bpm0l05WS_rms vs Slug



Right In: 205.672 $\pm$ 0.037 χ^2 /NDF: 2922292.9/28

Left Out: 201.798 $\pm$ 0.033 χ^2 /NDF: 905352.1/24

Right Out: 198.811 $\pm$ 0.035 χ^2 /NDF: 3879730.9/33

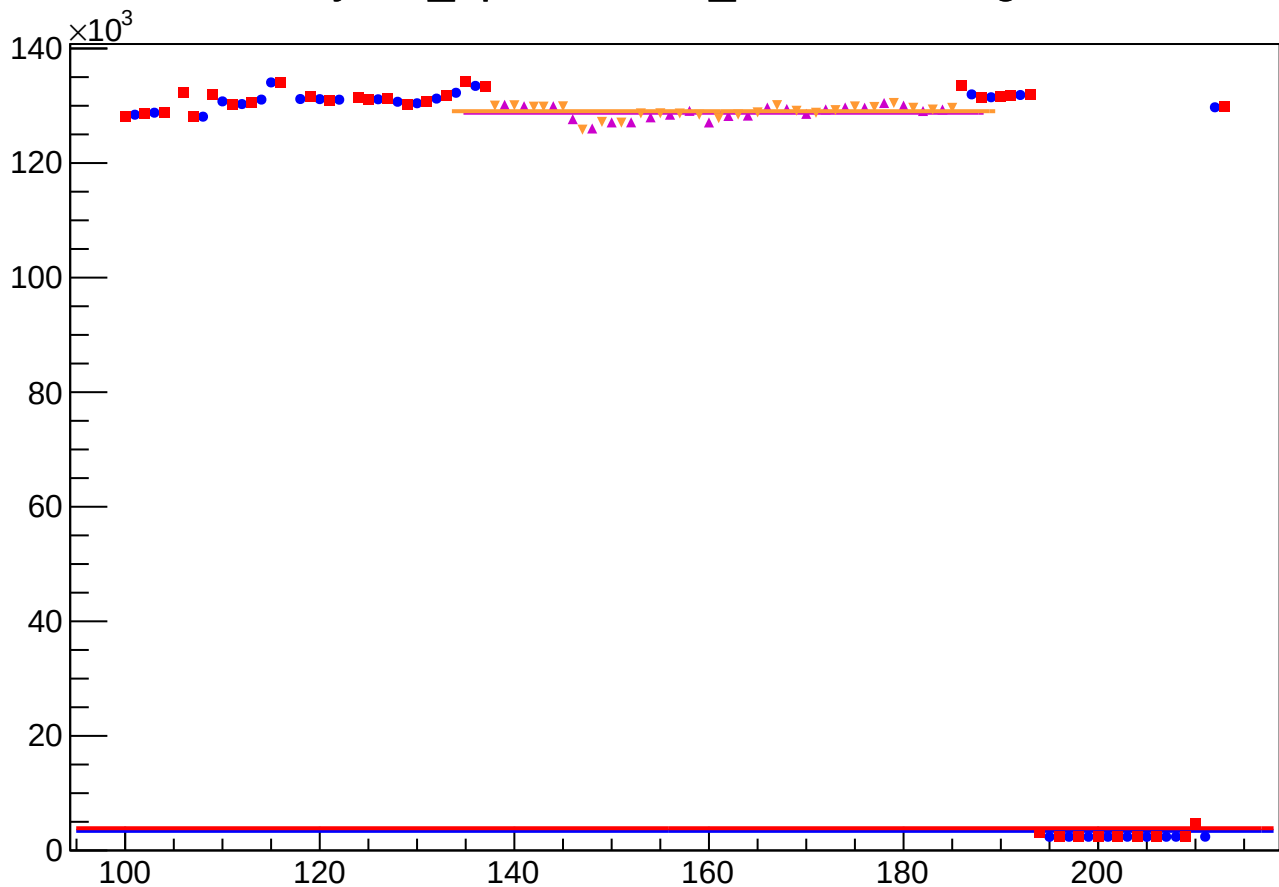
Left In: 201.947 $\pm$ 0.034 χ^2 /NDF: 802700.2/22

+ sign 203.522 $\pm$ 0.025 χ^2 /NDF: 3833732.7/53

All: 201.938 $\pm$ 0.017 χ^2 /NDF: 8528447.0/110

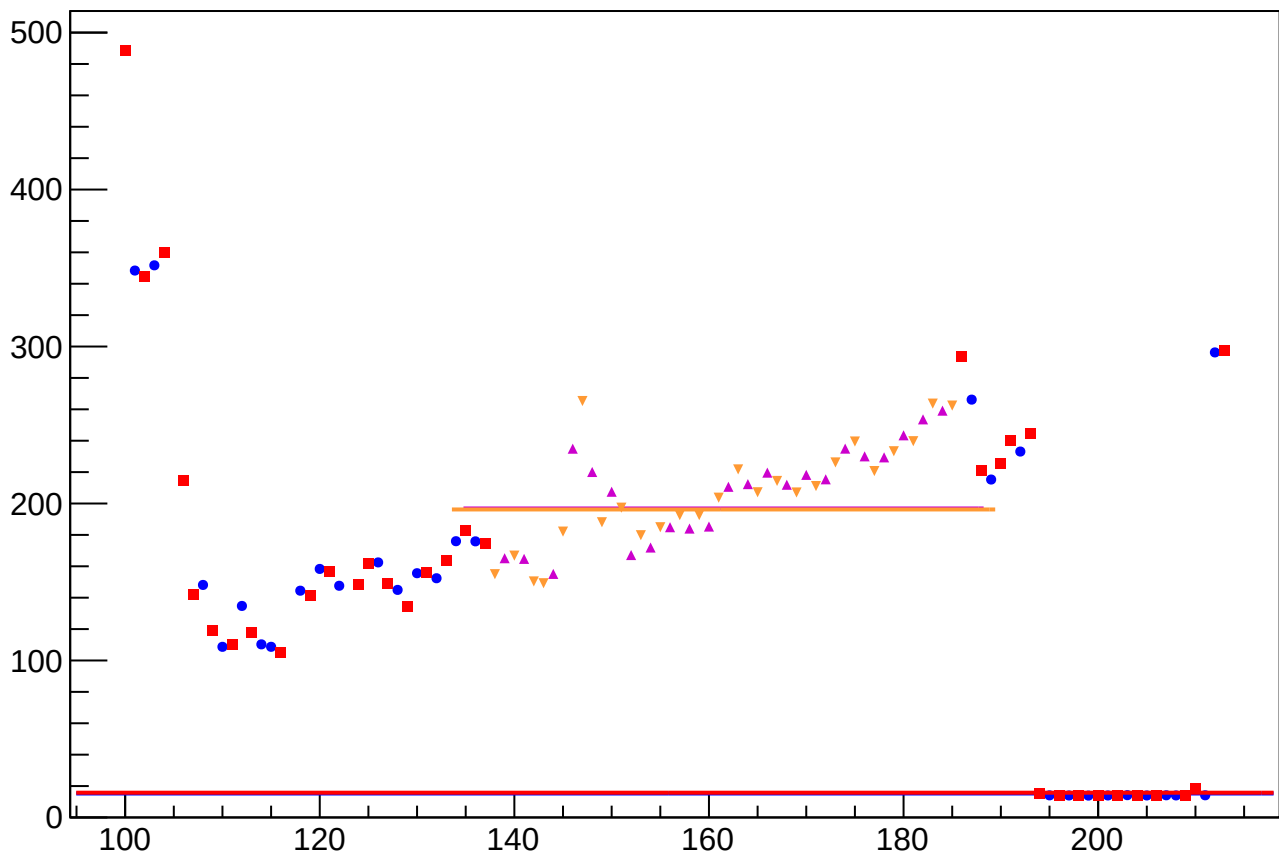
- sign 200.404 $\pm$ 0.024 χ^2 /NDF: 4686601.4/56

yield_bpm0l06WS_mean vs Slug



Right In: 3420.916 $\pm$ 0.005 χ^2 /NDF: 5140477459200.2/28
 Left Out: 129050.458 $\pm$ 0.045 χ^2 /NDF: 530879250.1/24
 Right Out: 3877.078 $\pm$ 0.005 χ^2 /NDF: 6064442554283.5/33
 Left In: 128783.852 $\pm$ 0.047 χ^2 /NDF: 655675405.6/22

yield_bpm0l06WS_rms vs Slug



Right In: 15.265 $\pm$ 0.004 χ^2 /NDF: 15860867.5/28

Left Out: 196.203 $\pm$ 0.032 χ^2 /NDF: 922826.1/24

Right Out: 15.772 $\pm$ 0.004 χ^2 /NDF: 18136098.2/33

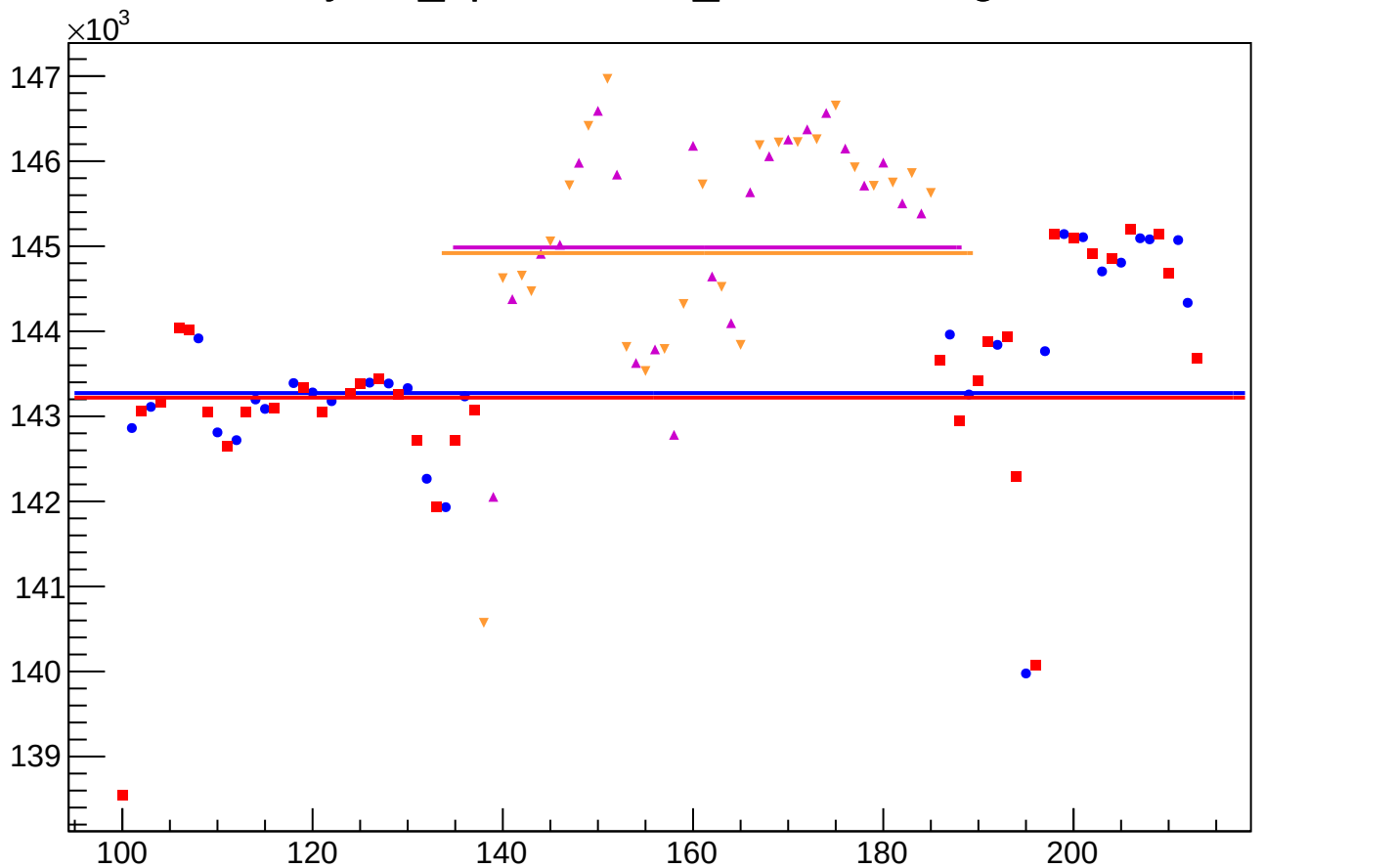
Left In: 196.840 $\pm$ 0.033 χ^2 /NDF: 773052.6/22

+ sign 17.473 $\pm$ 0.004 χ^2 /NDF: 48037328.6/53

All: 17.804 $\pm$ 0.003 χ^2 /NDF: 96381728.6/110

- sign 18.188 $\pm$ 0.004 χ^2 /NDF: 48325644.1/56

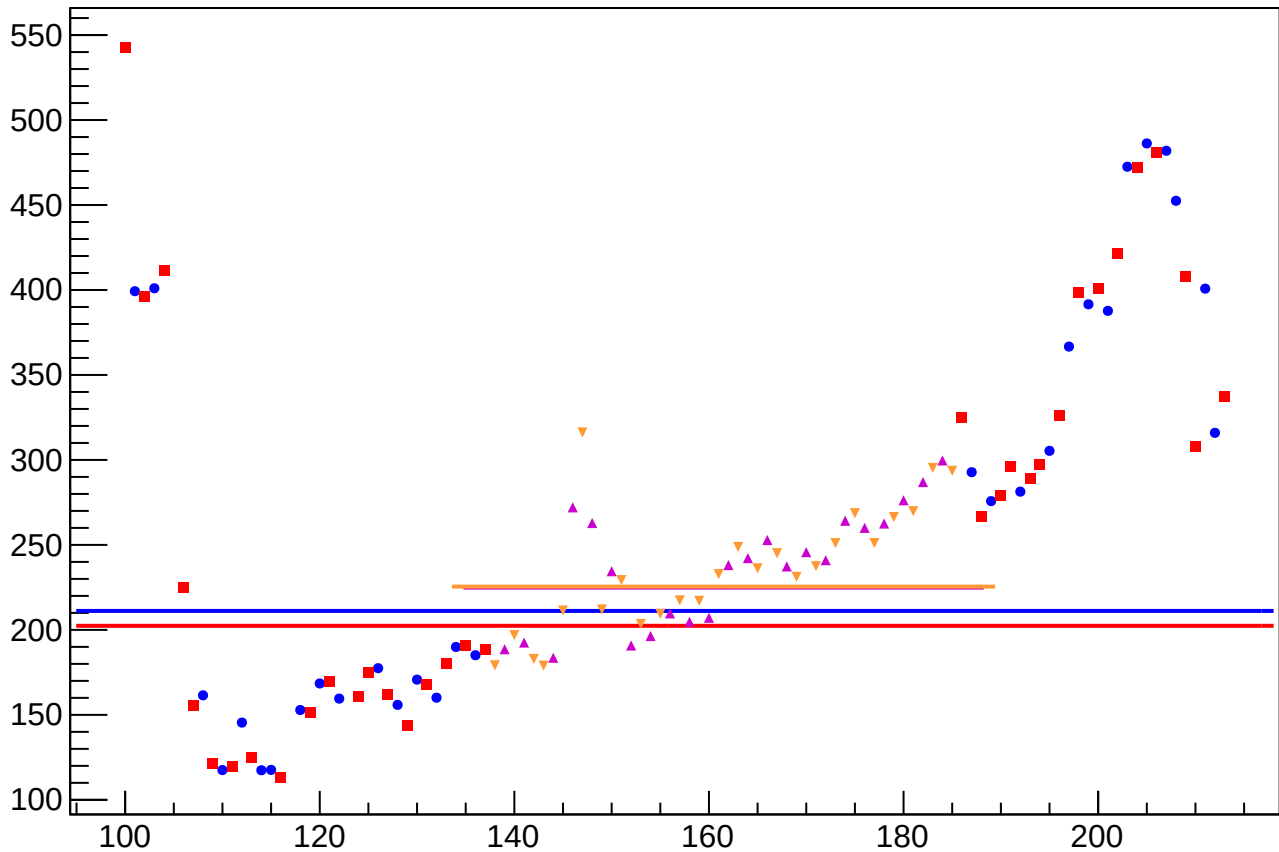
yield_bpm0l07WS_mean vs Slug



Right In: 143273.678 ± 0.057 $\chi^2/\text{NDF}: 267410859.3/28$
 Left Out: 144919.479 ± 0.052 $\chi^2/\text{NDF}: 835478710.7/24$
 Right Out: 143220.012 ± 0.052 $\chi^2/\text{NDF}: 266273685.3/33$
 Left In: 144985.586 ± 0.054 $\chi^2/\text{NDF}: 618782558.7/22$

+ sign 144162.486 ± 0.038 $\chi^2/\text{NDF}: 1559578695.2/24$
 All: 144119.626 ± 0.027 $\chi^2/\text{NDF}: 30047314/24$
 - sign 144079.000 ± 0.037 $\chi^2/\text{NDF}: 1442723960.9/24$

yield_bpm0l07WS_rms vs Slug



Right In: 211.157+/-0.040 χ^2/NDF : 6192895.9/28

Left Out: 225.478+/-0.037 χ^2/NDF : 775365.4/24

Right Out: 202.404+/-0.037 χ^2/NDF : 6920885.1/33

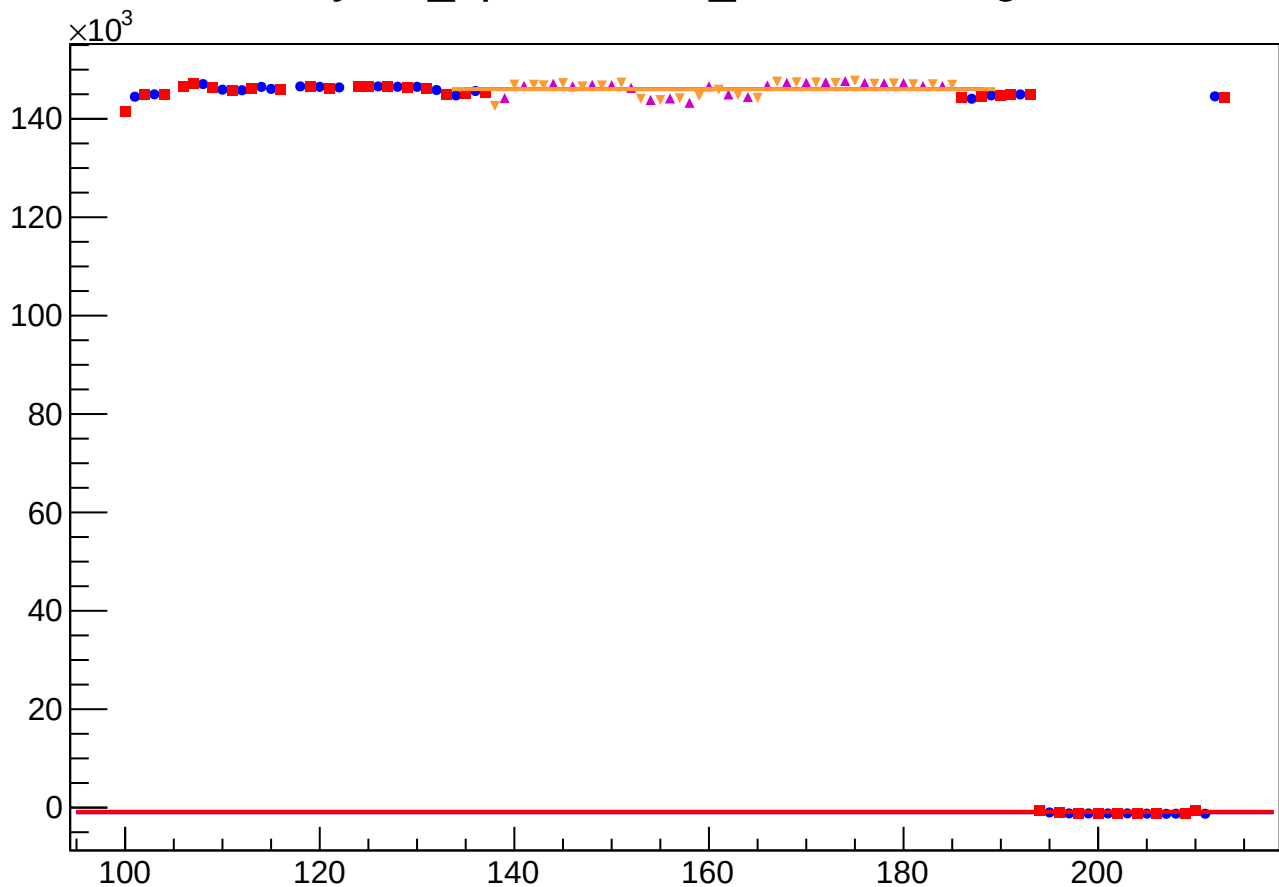
Left In: 224.869+/-0.038 χ^2/NDF : 723816.1/22

+ sign 218.891+/-0.027 χ^2/NDF : 7037427.4/53

All: 216.038+/-0.019 χ^2/NDF : 14884223.1/11

- sign 213.333+/-0.026 χ^2/NDF : 7825268.8/56

yield_bpm0l08WS_mean vs Slug



Right In: -958.953 ± 0.003 $\chi^2/\text{NDF}: 5541249146577.2/28$

Left Out: 146042.636 ± 0.052 $\chi^2/\text{NDF}: 882705044.1/24$

Right Out: -854.397 ± 0.003 $\chi^2/\text{NDF}: 6632250204694.8/33$

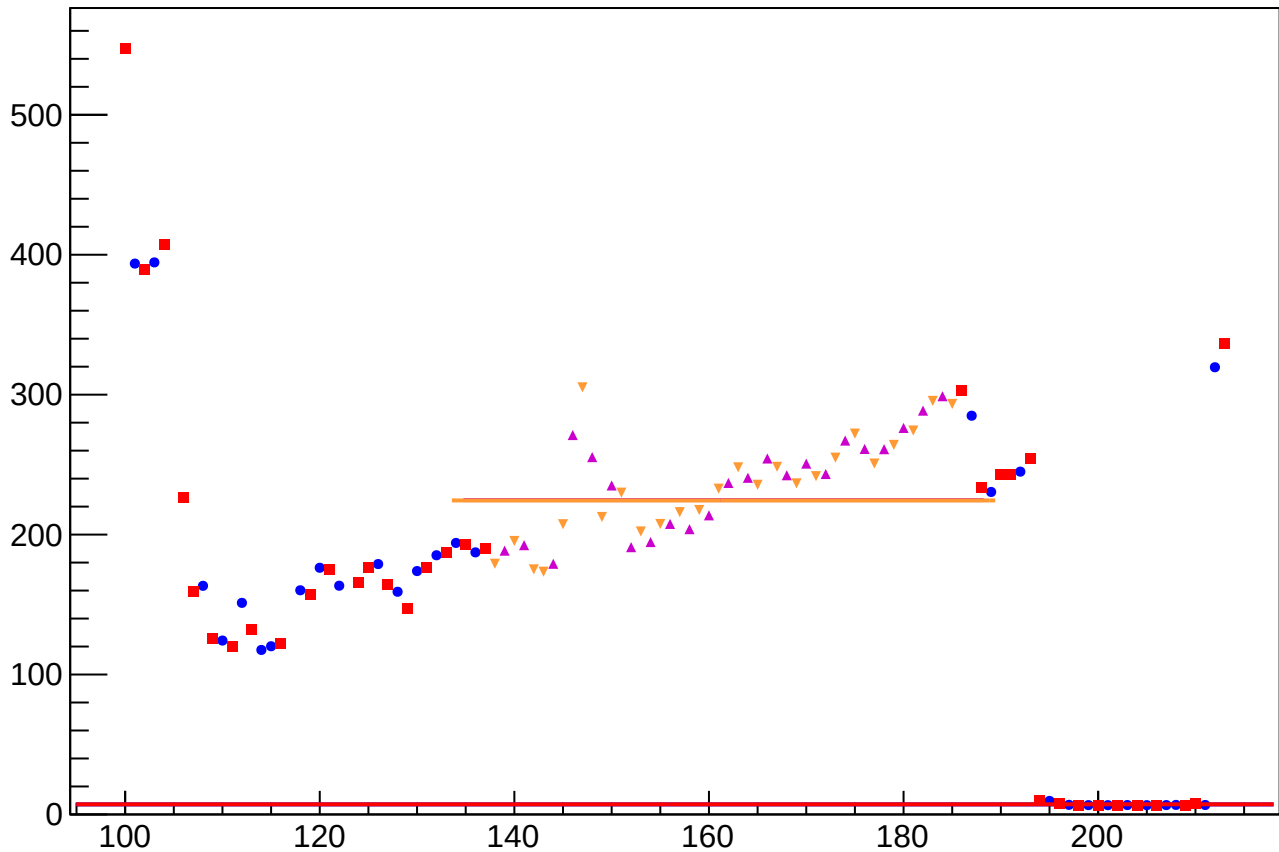
Left In: 146056.687 ± 0.054 $\chi^2/\text{NDF}: 698743124.4/22$

+ sign -619.134 ± 0.003 $\chi^2/\text{NDF}: 13512272916046$

All: -557.239 ± 0.002 $\chi^2/\text{NDF}: 27650826908$

- sign -486.038 ± 0.003 $\chi^2/\text{NDF}: 14137236573616$

yield_bpm0l08WS_rms vs Slug



Right In: 7.179 ± 0.002 $\chi^2/\text{NDF}: 17637534.4/28$

Left Out: 224.409 ± 0.037 $\chi^2/\text{NDF}: 849100.4/24$

Right Out: 7.247 ± 0.002 $\chi^2/\text{NDF}: 20153793.7/33$

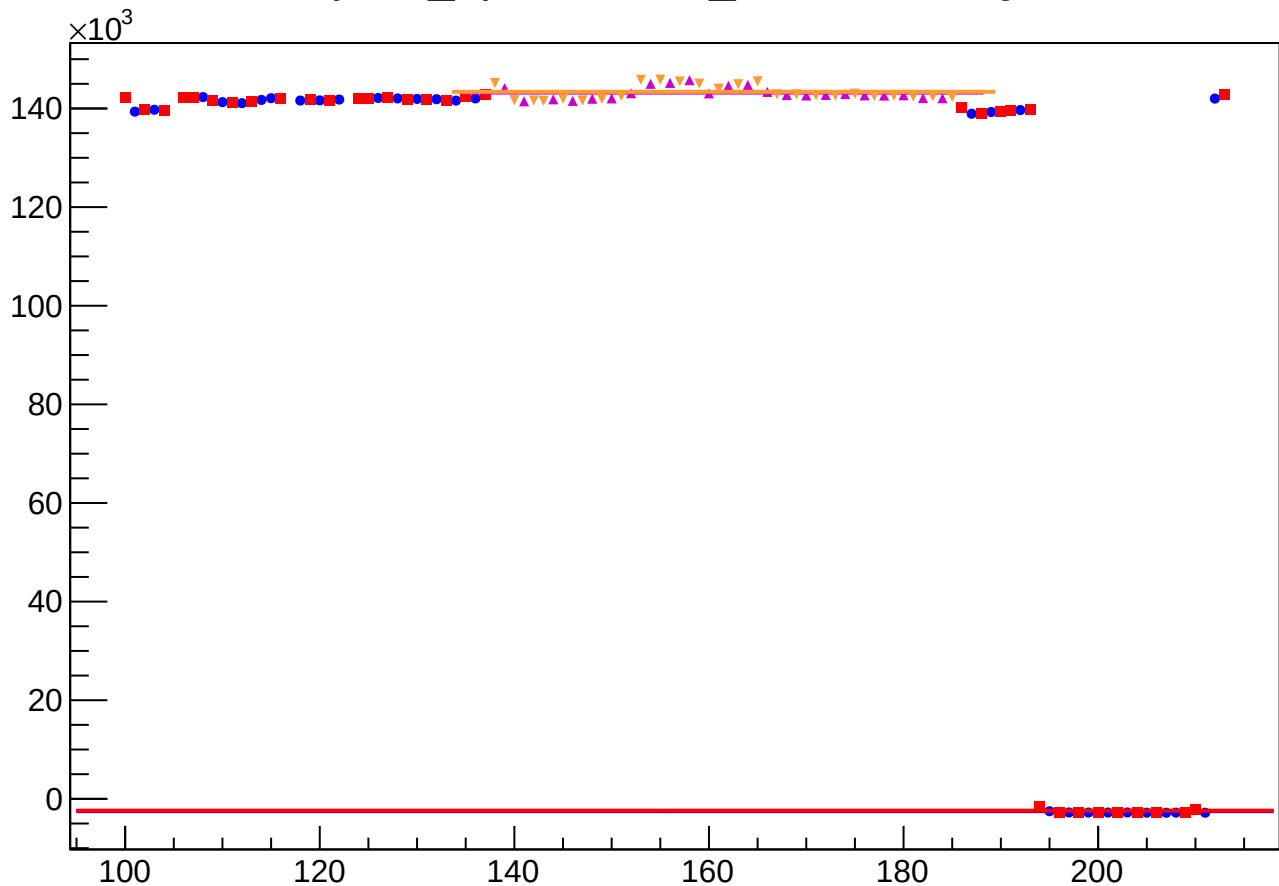
Left In: 224.655 ± 0.038 $\chi^2/\text{NDF}: 756996.8/22$

+ sign 7.681 ± 0.002 $\chi^2/\text{NDF}: 53295739.5/53$

All: 7.733 ± 0.001 $\chi^2/\text{NDF}: 107076963.1/110$

- sign 7.792 ± 0.002 $\chi^2/\text{NDF}: 53779408.4/56$

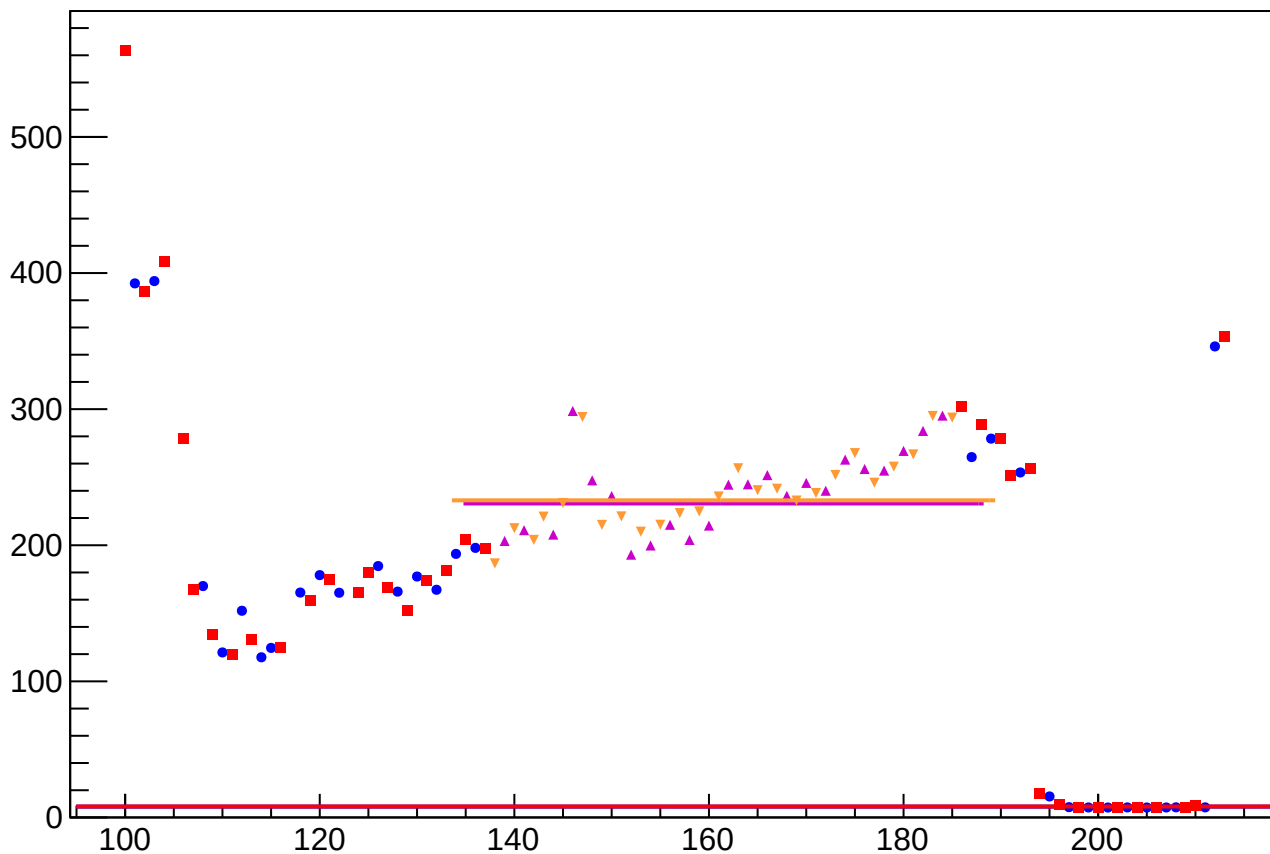
yield_bpm0l09WS_mean vs Slug



Right In: -2503.037 ± 0.003 $\chi^2/\text{NDF}: 5102739110693.7/28$
 Left Out: 143386.915 ± 0.054 $\chi^2/\text{NDF}: 784001363.1/24$
 Right Out: -2392.501 ± 0.003 $\chi^2/\text{NDF}: 5984969354350.7/33$
 Left In: 143221.802 ± 0.055 $\chi^2/\text{NDF}: 540234973.1/22$

+ sign -2108.157 ± 0.003 $\chi^2/\text{NDF}: 1246871526368$
 All: -2038.142 ± 0.002 $\chi^2/\text{NDF}: 2548755089$
 - sign -1957.541 ± 0.003 $\chi^2/\text{NDF}: 13017483762597$

yield_bpm0l09WS_rms vs Slug



Right In: 7.957 ± 0.002 χ^2/NDF : 17800634.1/28

Left Out: 233.007 ± 0.038 χ^2/NDF : 446120.9/24

Right Out: 8.051 ± 0.002 χ^2/NDF : 20197310.0/33

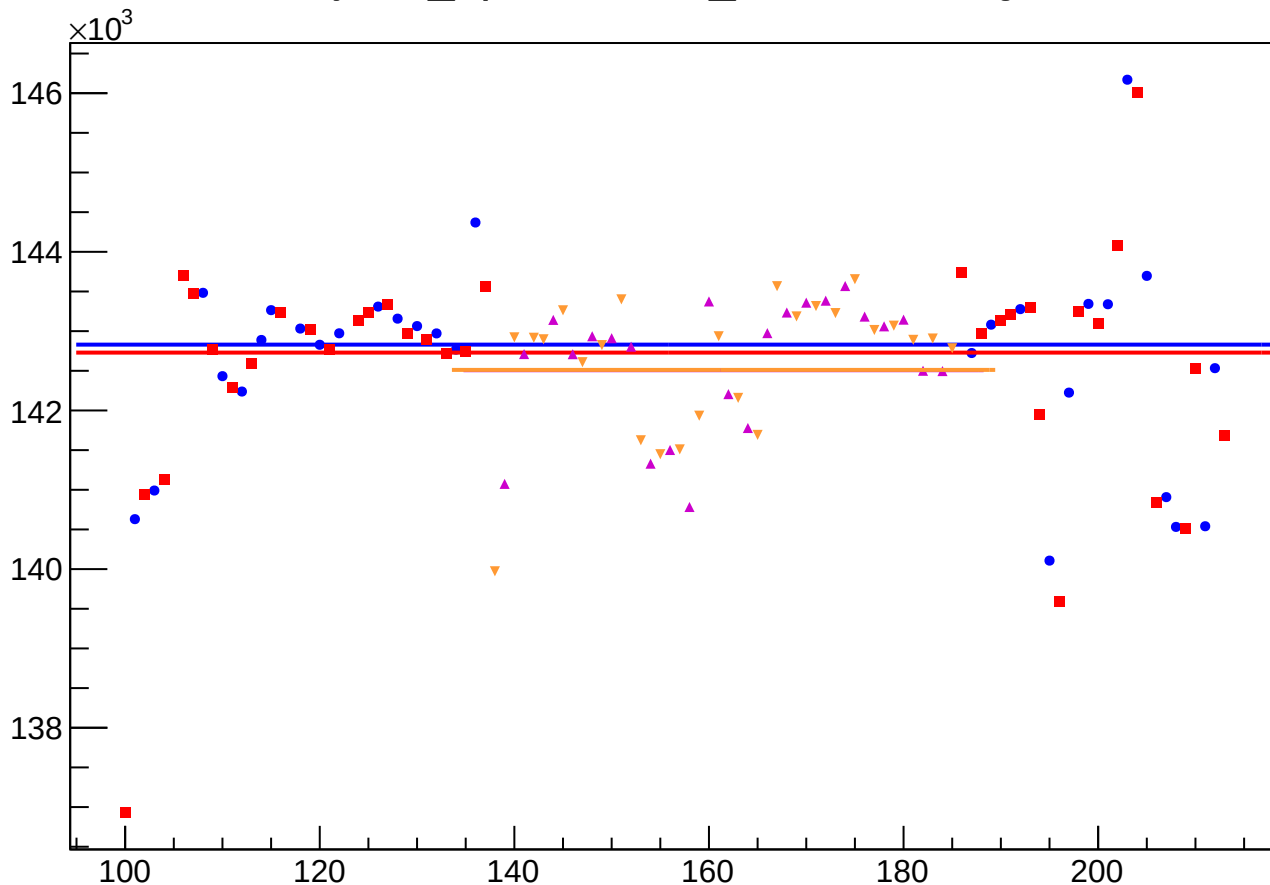
Left In: 230.693 ± 0.039 χ^2/NDF : 512017.9/22

+ sign 8.566 ± 0.002 χ^2/NDF : 53299556.3/53

All: 8.635 ± 0.001 χ^2/NDF : 106890213.2/110

- sign 8.716 ± 0.002 χ^2/NDF : 53587970.5/56

yield_bpm0l10WS_mean vs Slug



Right In: 142830.064 ± 0.059 $\chi^2/\text{NDF}: 295848854.5/28$

Left Out: 142511.381 ± 0.051 $\chi^2/\text{NDF}: 338087157.2/24$

Right Out: 142729.519 ± 0.054 $\chi^2/\text{NDF}: 247173343.1/33$

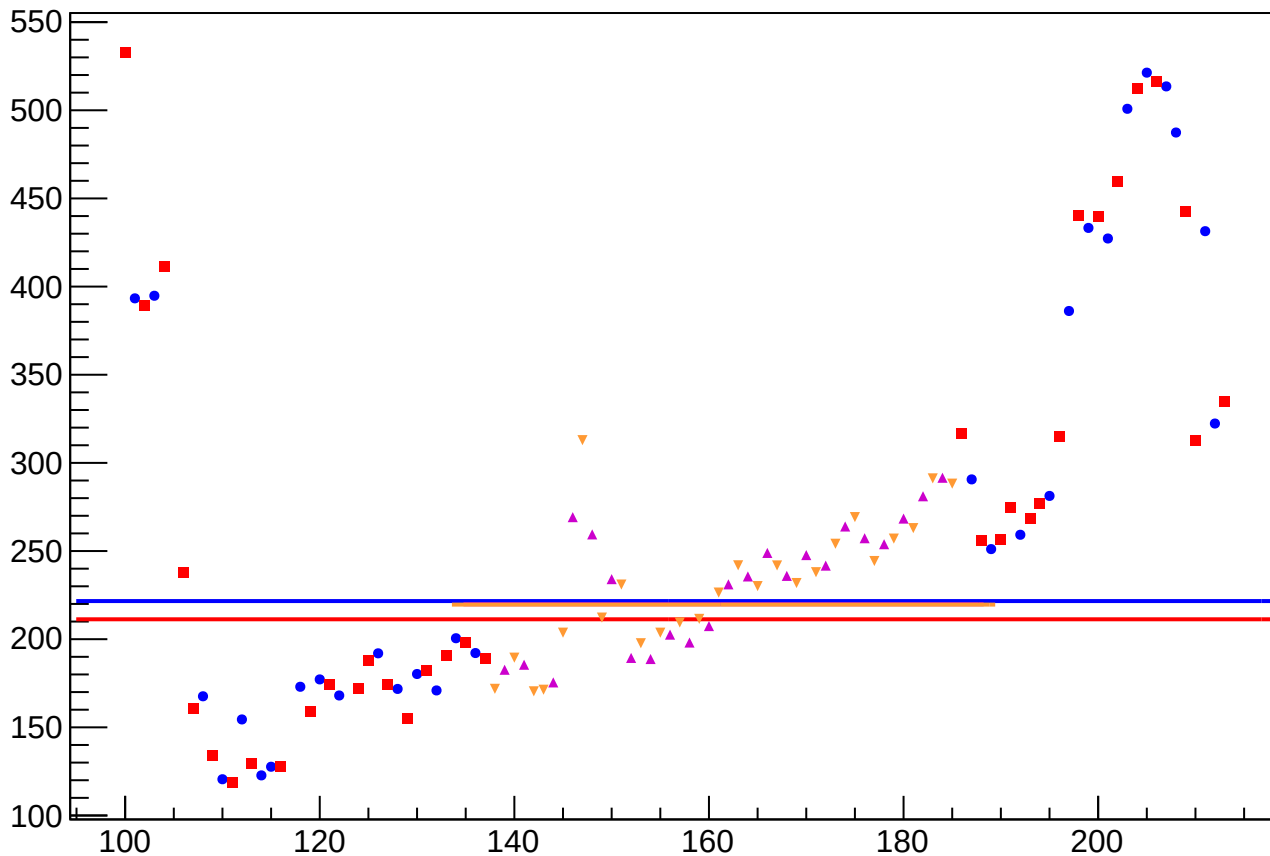
Left In: 142507.563 ± 0.052 $\chi^2/\text{NDF}: 269272097.4/22$

+ sign 142646.772 ± 0.039 $\chi^2/\text{NDF}: 650589936.7/5$

All: 142630.445 ± 0.027 $\chi^2/\text{NDF}: 117606168$

- sign 142614.909 ± 0.038 $\chi^2/\text{NDF}: 525122620.5/5$

yield_bpm0l10WS_rms vs Slug



Right In: 221.627+/-0.042 χ^2/NDF : 5929161.5/28

Left Out: 219.618+/-0.036 χ^2/NDF : 902026.4/24

Right Out: 211.285+/-0.038 χ^2/NDF : 6527681.9/33

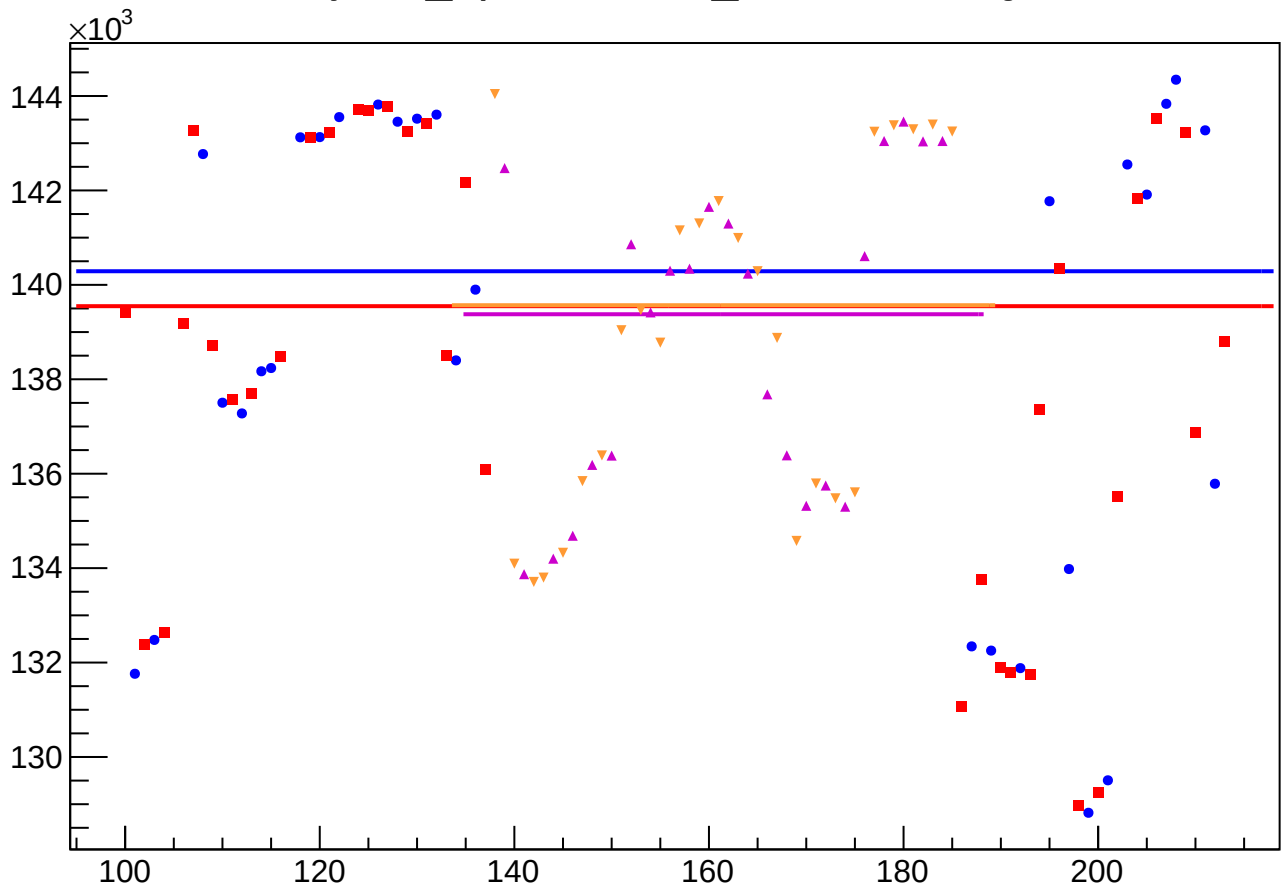
Left In: 219.813+/-0.037 χ^2/NDF : 805501.8/22

+ sign 220.471+/-0.027 χ^2/NDF : 6832511.5/53

All: 218.021+/-0.019 χ^2/NDF : 14207044.9/1

- sign 215.689+/-0.027 χ^2/NDF : 7358802.3/56

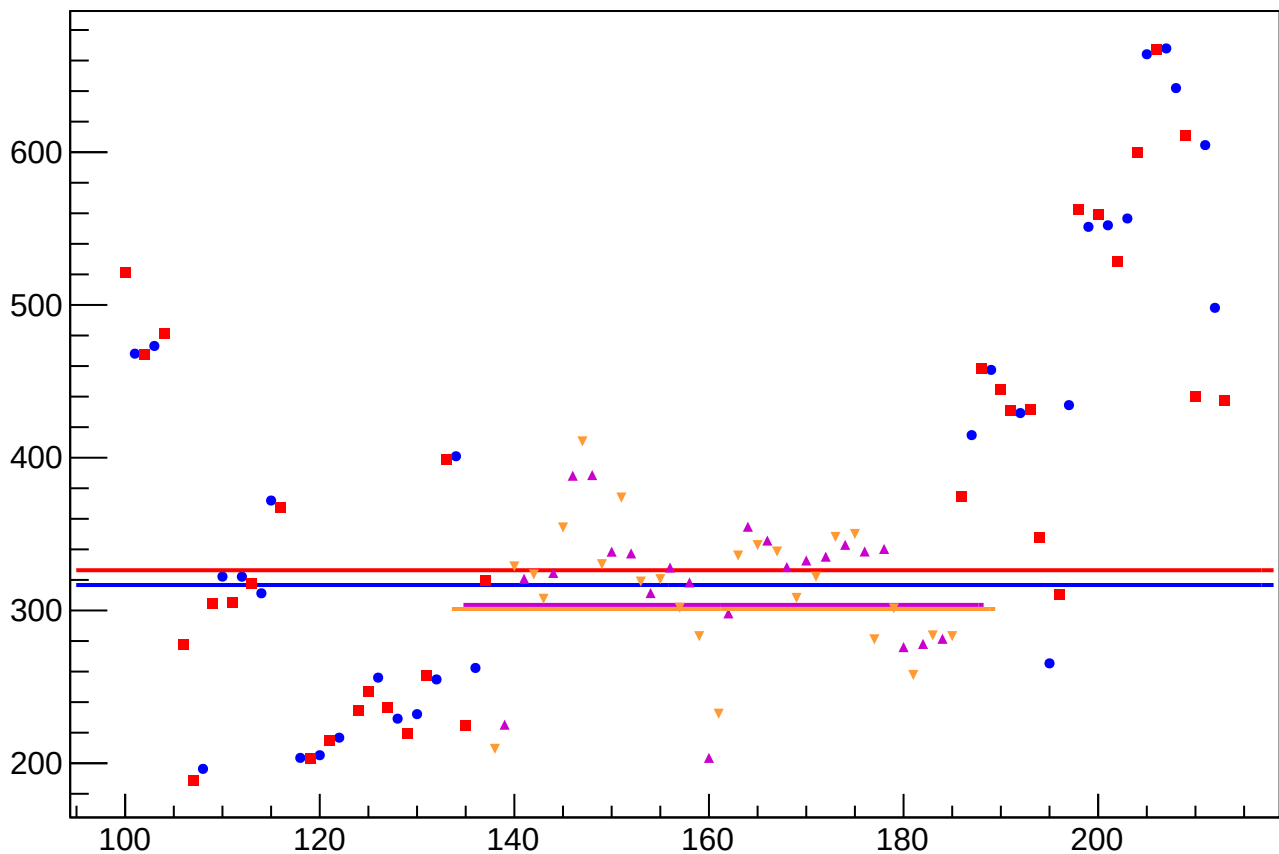
yield_bpm0r03WS_mean vs Slug



Right In: 140288.351 $\pm$ 0.084 χ^2 /NDF: 2723599880.7/28
 Left Out: 139568.750 $\pm$ 0.070 χ^2 /NDF: 2586638805.4/24
 Right Out: 139548.523 $\pm$ 0.081 χ^2 /NDF: 2824187138.6/33
 Left In: 139377.582 $\pm$ 0.073 χ^2 /NDF: 1921434868.2/22

+ sign 139865.183 $\pm$ 0.054 χ^2 /NDF: 5353740036.0
 All: 139661.819 $\pm$ 0.038 χ^2 /NDF: 101308237
 - sign 139453.766 $\pm$ 0.054 χ^2 /NDF: 4748069047.0

yield_bpm0r03WS_rms vs Slug



Right In: 316.672 ± 0.059 $\chi^2/\text{NDF}: 5011203.4/28$

Left Out: 300.964 ± 0.050 $\chi^2/\text{NDF}: 876889.9/24$

Right Out: 326.346 ± 0.058 $\chi^2/\text{NDF}: 4509055.7/33$

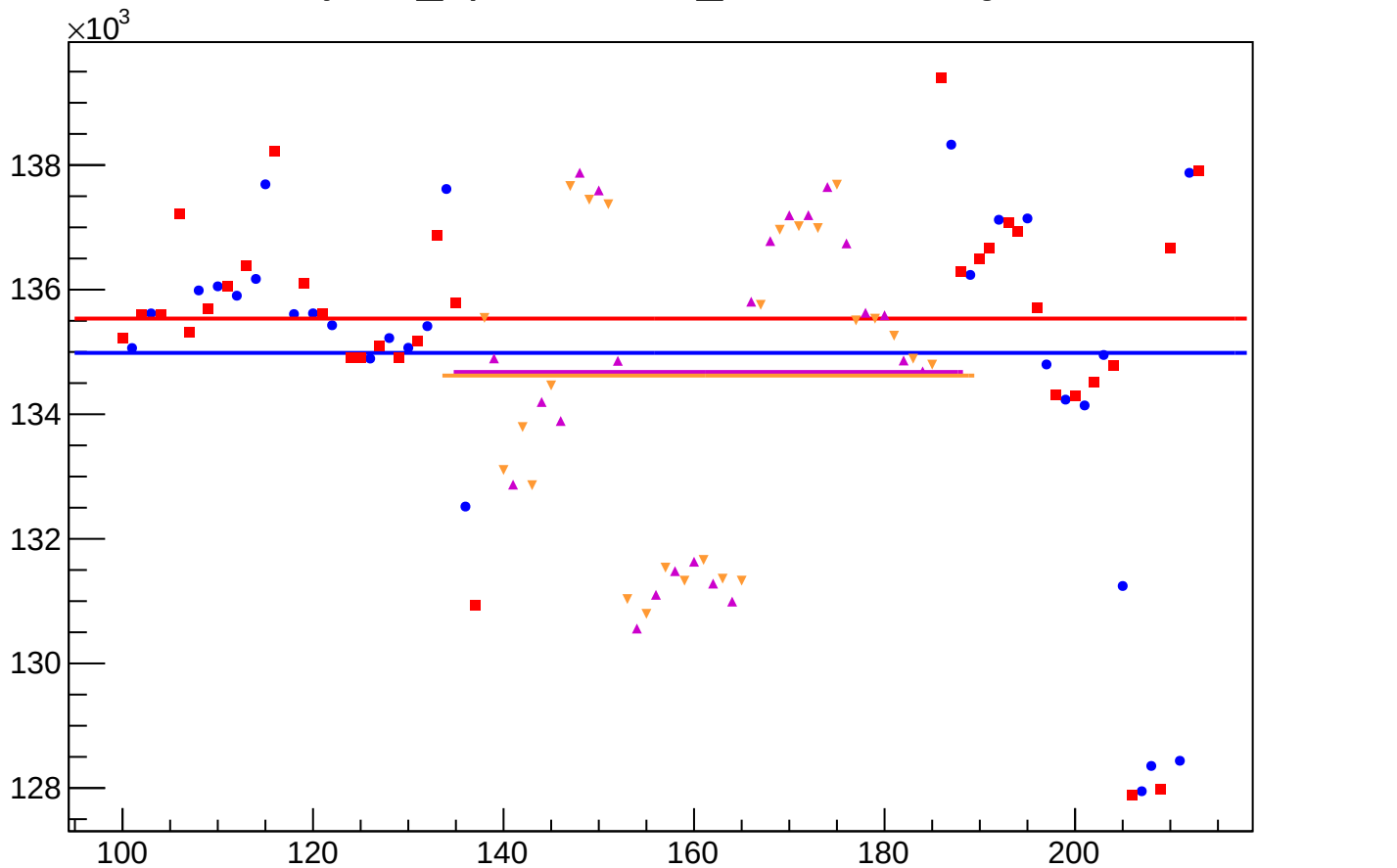
Left In: 303.658 ± 0.052 $\chi^2/\text{NDF}: 976252.9/22$

+ sign 307.435 ± 0.038 $\chi^2/\text{NDF}: 5929547.4/53$

All: 310.566 ± 0.027 $\chi^2/\text{NDF}: 11514825.3/115$

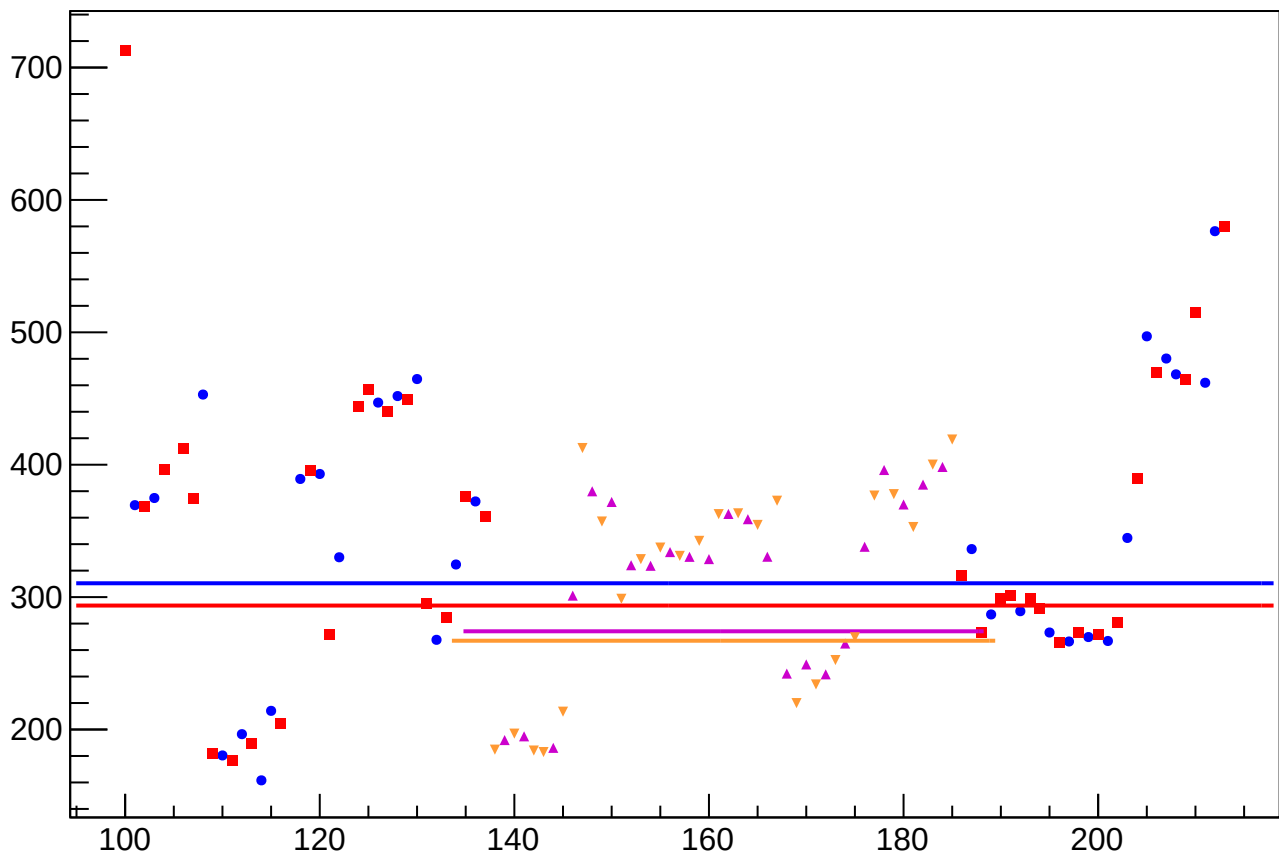
- sign 313.770 ± 0.038 $\chi^2/\text{NDF}: 5571518.7/56$

yield_bpm0r05WS_mean vs Slug



Right In: 134985.041 $\pm$ 0.079	χ^2 /NDF: 856104876.5/28	+ sign 134765.574 $\pm$ 0.049	χ^2 /NDF: 2070554939.5
Left Out: 134620.993 $\pm$ 0.064	χ^2 /NDF: 1201492843.7/24	All: 134924.439 $\pm$ 0.035	χ^2 /NDF: 404564685
Right Out: 135536.139 $\pm$ 0.071	χ^2 /NDF: 781674106.4/33	- sign 135079.136 $\pm$ 0.049	χ^2 /NDF: 1954750415.8/
Left In: 134678.497 $\pm$ 0.067	χ^2 /NDF: 1096295429.9/22		

yield_bpm0r05WS_rms vs Slug



Right In: 310.453 ± 0.056 $\chi^2/\text{NDF}: 2839652.7/28$

Left Out: 267.053 ± 0.045 $\chi^2/\text{NDF}: 2843307.1/24$

Right Out: 293.620 ± 0.051 $\chi^2/\text{NDF}: 3202958.9/33$

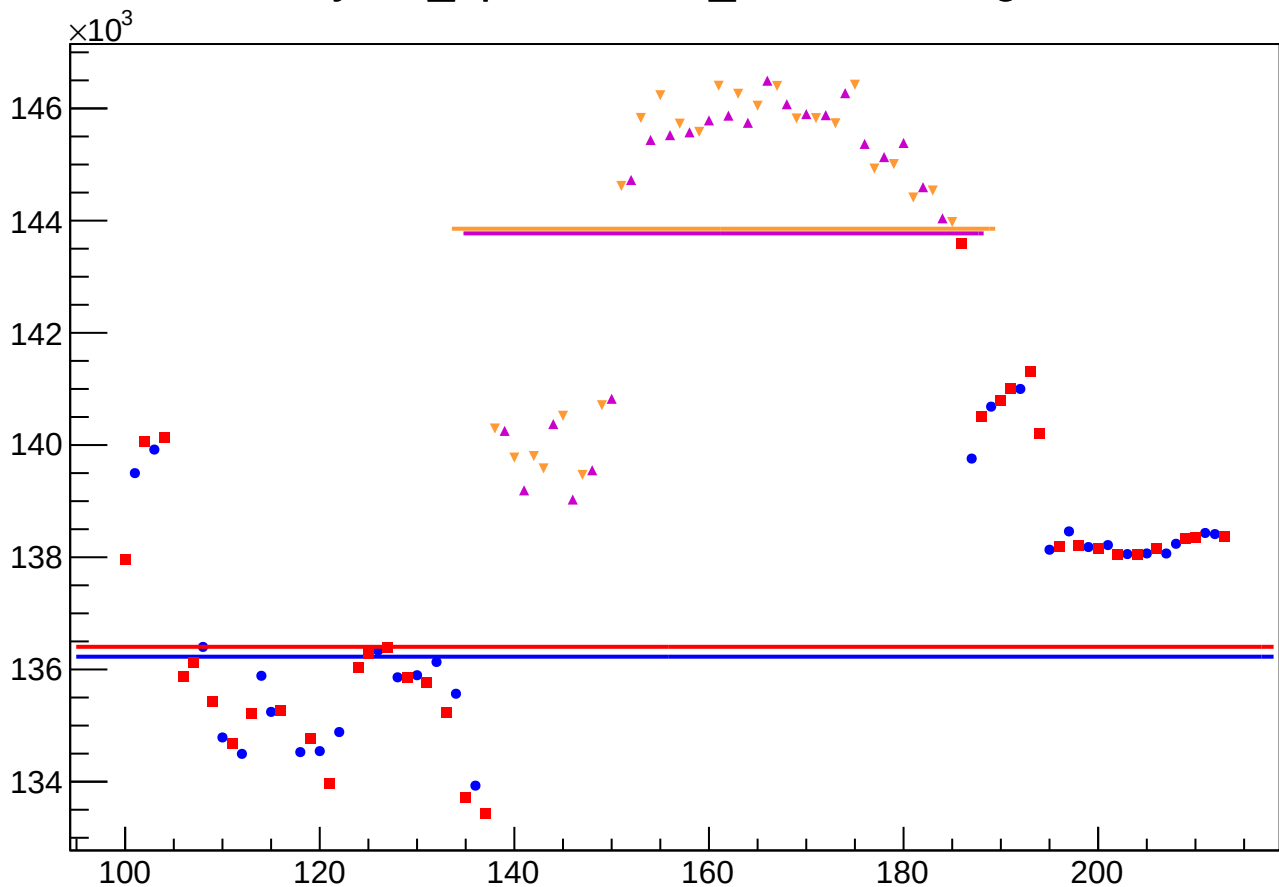
Left In: 274.177 ± 0.047 $\chi^2/\text{NDF}: 2236755.2/22$

+ sign 284.290 ± 0.035 $\chi^2/\text{NDF}: 6051262.3/53$

All: 283.768 ± 0.025 $\chi^2/\text{NDF}: 11570336.5/115$

- sign 283.260 ± 0.035 $\chi^2/\text{NDF}: 5518635.3/56$

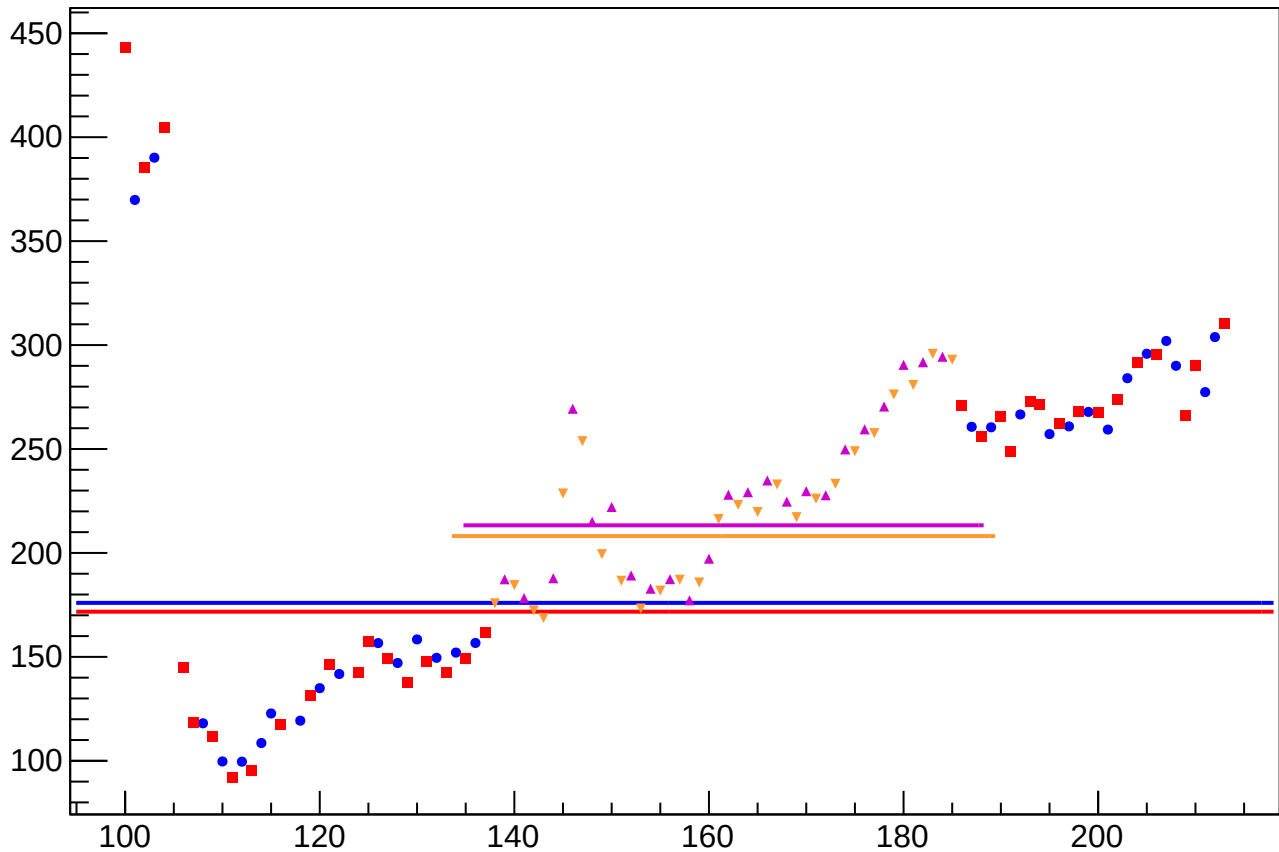
yield_bpm0i02WS_mean vs Slug



Right In: 136227.922 ± 0.046 $\chi^2/\text{NDF}: 1647714706.9/28$
 Left Out: 143855.894 ± 0.048 $\chi^2/\text{NDF}: 3130204188.4/24$
 Right Out: 136403.951 ± 0.044 $\chi^2/\text{NDF}: 2300627996.9/33$
 Left In: 143773.112 ± 0.051 $\chi^2/\text{NDF}: 2803362782.2/22$

+ sign 139874.071 ± 0.033 $\chi^2/\text{NDF}: 17779036730.0$
 All: 139699.135 ± 0.024 $\chi^2/\text{NDF}: 350050750.0$
 - sign 139526.992 ± 0.033 $\chi^2/\text{NDF}: 17171666639.5$

yield_bpm0i02WS_rms vs Slug



Right In: 175.990 $\pm$ 0.033 χ^2 /NDF: 5140916.1/28

Left Out: 208.100 $\pm$ 0.034 χ^2 /NDF: 993011.6/24

Right Out: 171.742 $\pm$ 0.031 χ^2 /NDF: 6064974.1/33

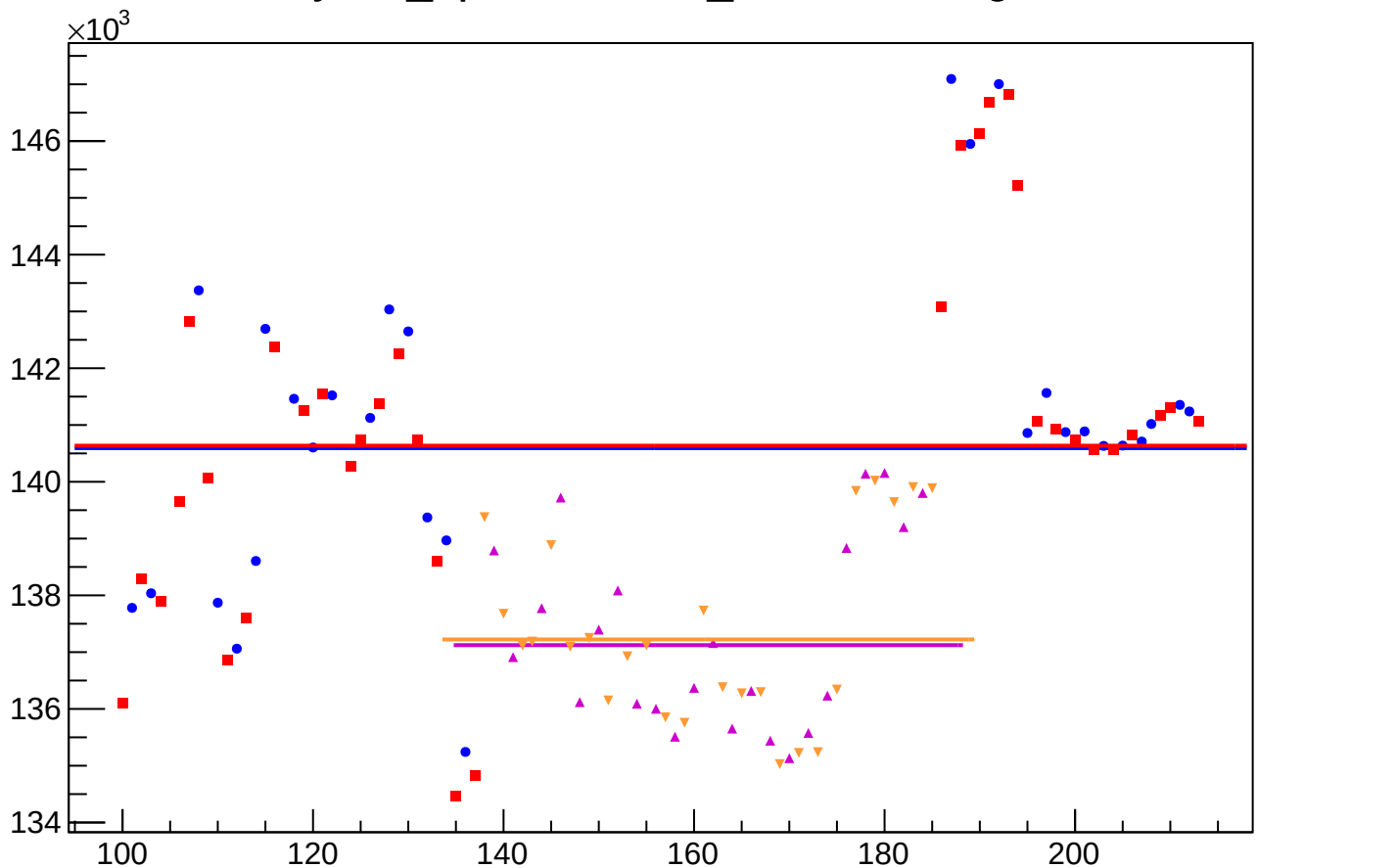
Left In: 213.288 $\pm$ 0.036 χ^2 /NDF: 865525.4/22

+ sign 191.339 $\pm$ 0.024 χ^2 /NDF: 6594701.0/53

All: 190.336 $\pm$ 0.017 χ^2 /NDF: 14295891.0/11

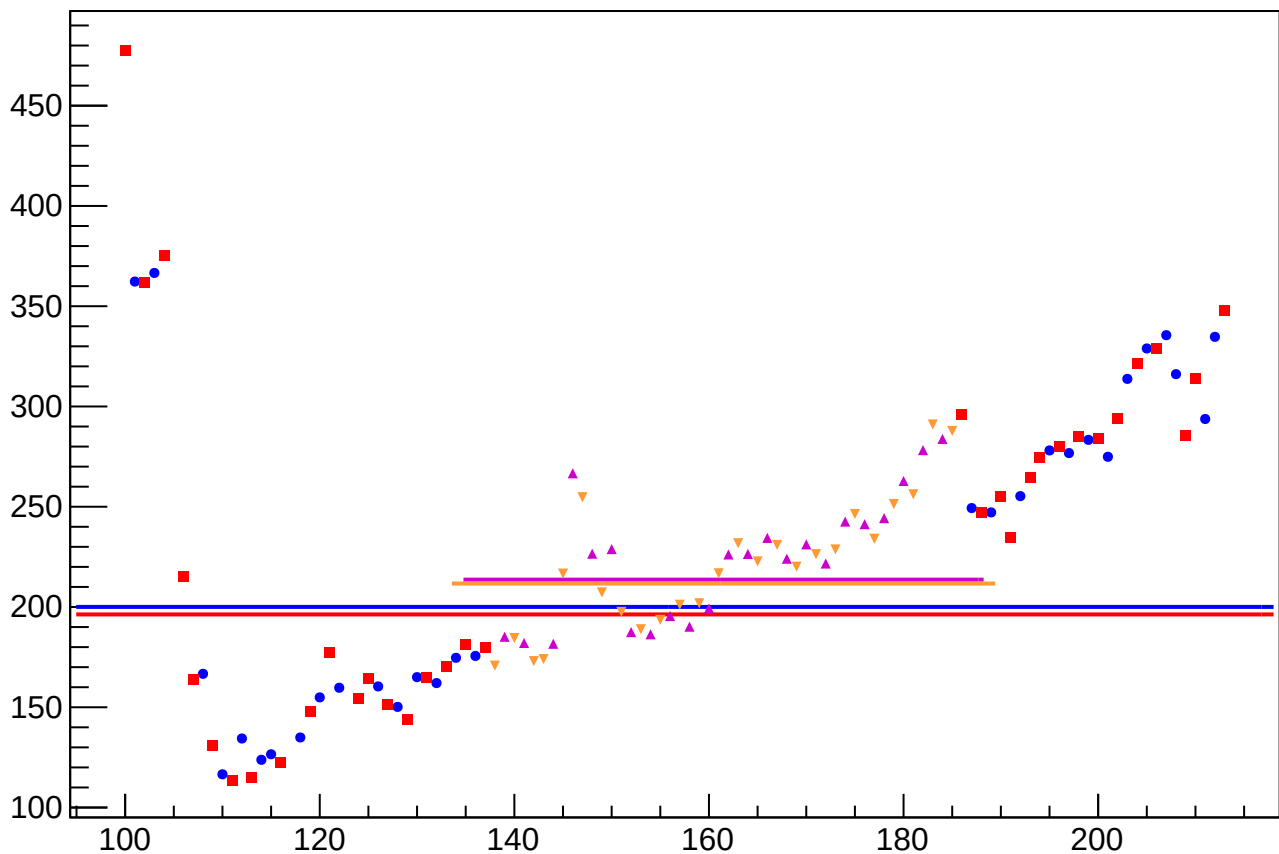
- sign 189.349 $\pm$ 0.023 χ^2 /NDF: 7697617.8/56

yield_bpm0i02aWS_mean vs Slug



Right In: 140593.355+/-0.052 χ^2/NDF : 2818182239.4/28
 Left Out: 137223.651+/-0.049 χ^2/NDF : 894565924.0/24
 Right Out: 140635.568+/-0.049 χ^2/NDF : 3248073395.5/33
 Left In: 137123.557+/-0.051 χ^2/NDF : 860635149.0/22
 + sign 138821.792+/-0.036 χ^2/NDF : 5951372597.9
 All: 138885.966+/-0.025 χ^2/NDF : 125405209
 - sign 138949.112+/-0.035 χ^2/NDF : 6582687764.2

yield_bpm0i02aWS_rms vs Slug



Right In: 200.043+/-0.037 χ^2/NDF : 4029900.8/28

Left Out: 211.714+/-0.035 χ^2/NDF : 675587.4/24

Right Out: 196.307+/-0.035 χ^2/NDF : 4775614.6/33

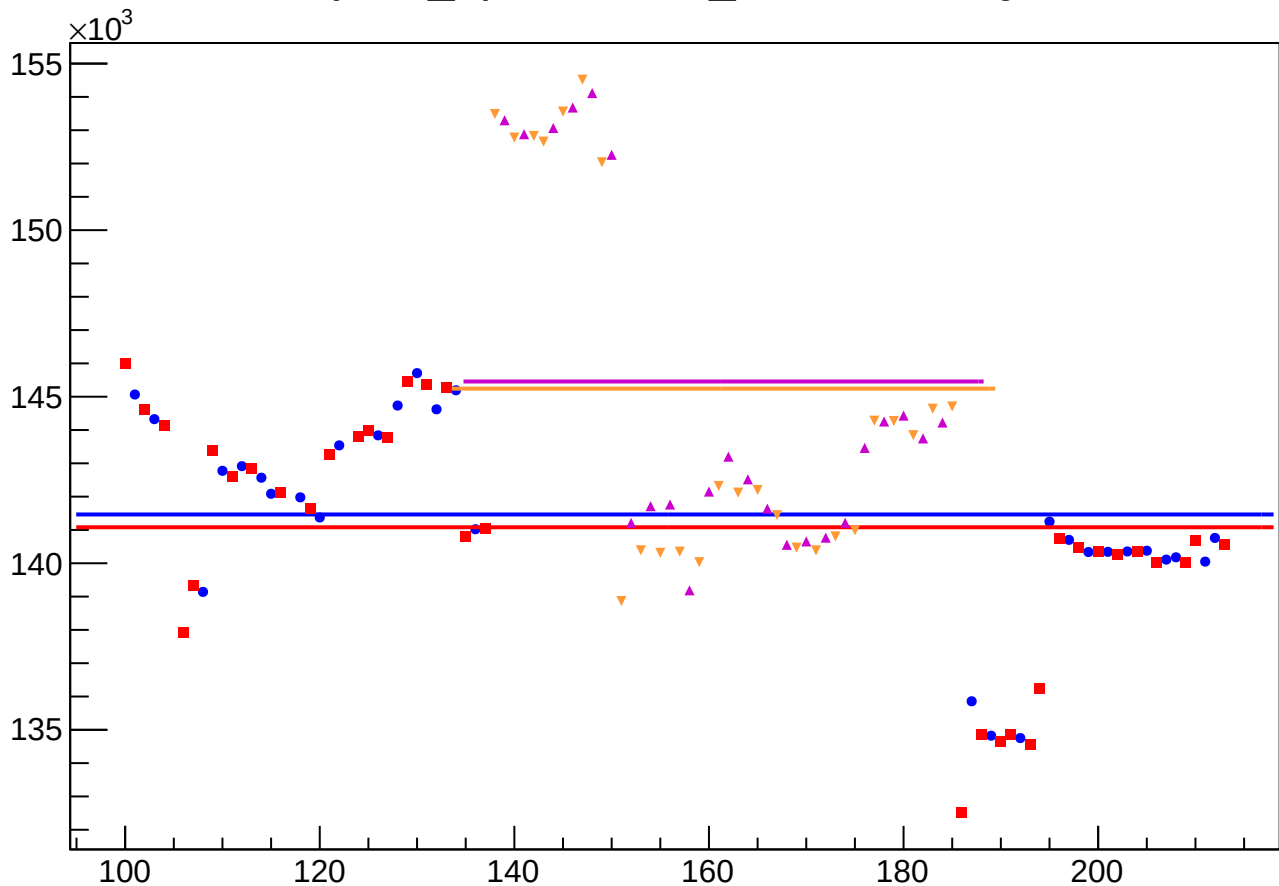
Left In: 213.641+/-0.036 χ^2/NDF : 621332.1/22

+ sign 206.179+/-0.025 χ^2/NDF : 4759191.9/53

All: 205.398+/-0.018 χ^2/NDF : 10278581.6/11

- sign 204.630+/-0.025 χ^2/NDF : 5517478.7/56

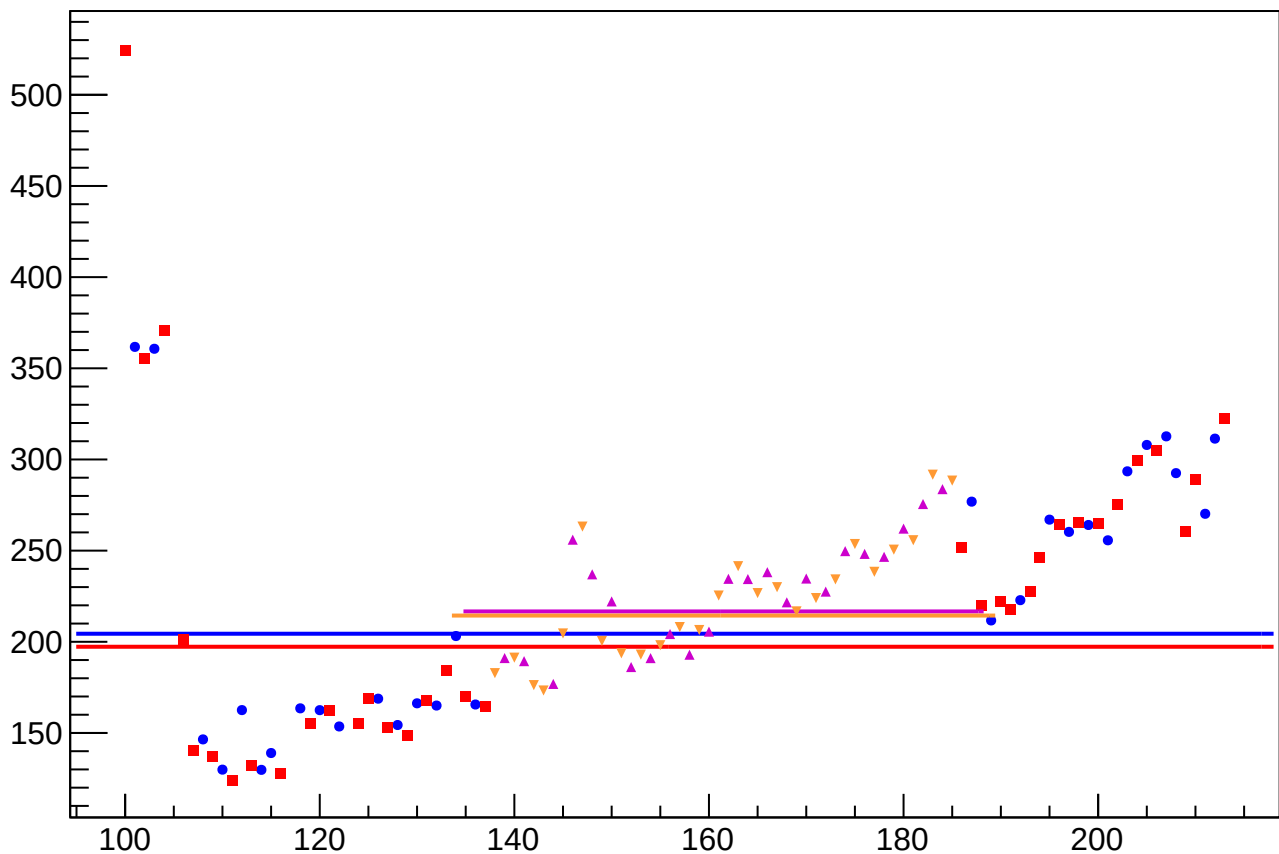
yield_bpm0i05WS_mean vs Slug



Right In: 141464.841 $\pm$ 0.052 χ^2 /NDF: 2828429601.3/28
 Left Out: 145242.337 $\pm$ 0.050 χ^2 /NDF: 13032998081.1/24
 Right Out: 141080.843 $\pm$ 0.048 χ^2 /NDF: 4427769053.0/33
 Left In: 145456.704 $\pm$ 0.052 χ^2 /NDF: 11073020116.4/22

+ sign 143435.607 $\pm$ 0.036 χ^2 /NDF: 18633251666.
 All: 143276.429 $\pm$ 0.025 χ^2 /NDF: 380119433.
 - sign 143122.608 $\pm$ 0.035 χ^2 /NDF: 19339906267.6

yield_bpm0i05WS_rms vs Slug



Right In: 204.423+/-0.037 χ^2/NDF : 2896030.5/28

Left Out: 214.391+/-0.035 χ^2/NDF : 643384.3/24

Right Out: 197.285+/-0.034 χ^2/NDF : 3460030.6/33

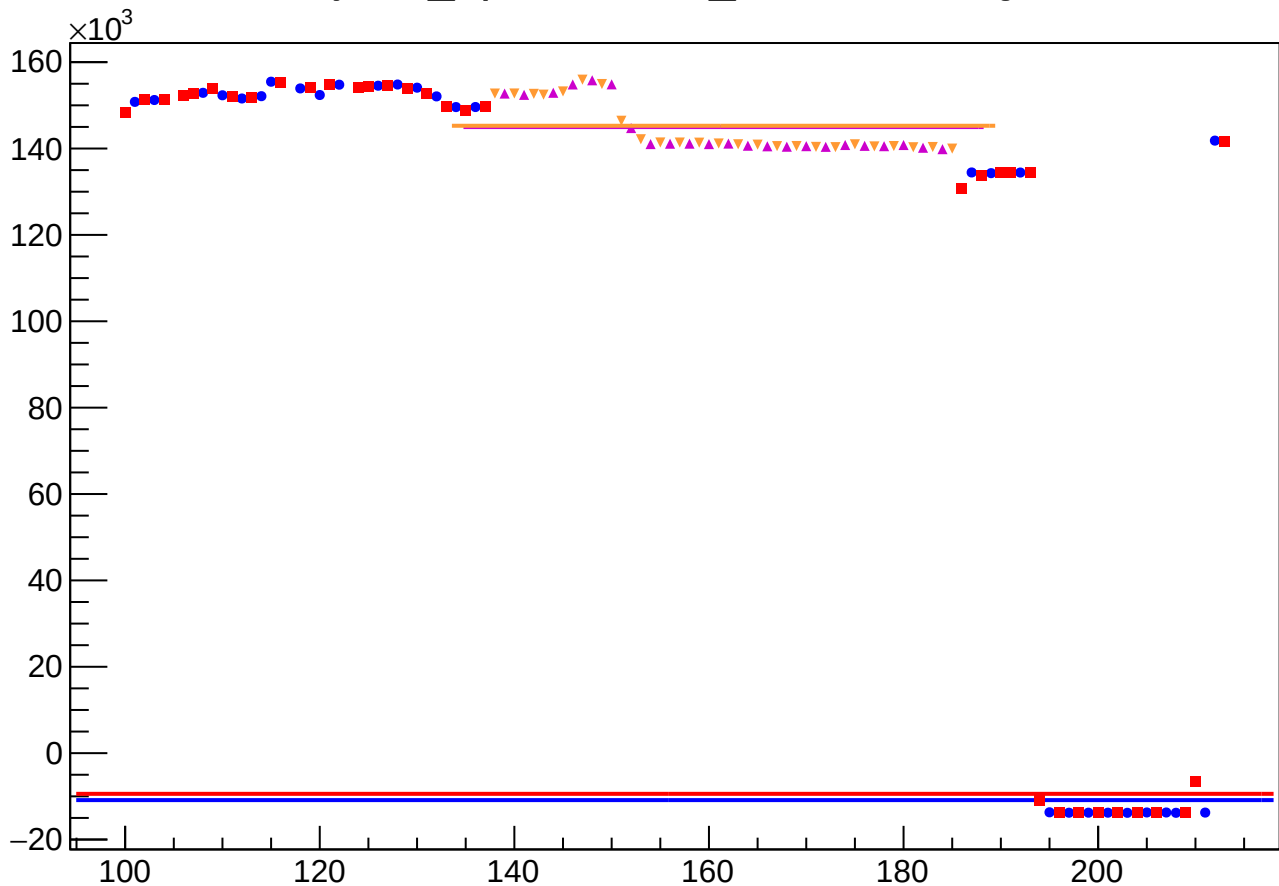
Left In: 216.654+/-0.036 χ^2/NDF : 587166.8/22

+ sign 209.624+/-0.025 χ^2/NDF : 3578017.2/53

All: 207.945+/-0.018 χ^2/NDF : 7784278.8/110

- sign 206.323+/-0.025 χ^2/NDF : 4197634.2/56

yield_bpm0i07WS_mean vs Slug



Right In: -10871.887 ± 0.009

χ^2/NDF : 6079207157628.6/28

Left Out: 145269.857 ± 0.049

χ^2/NDF : 13706269279.5/24

Right Out: -9419.032 ± 0.009

χ^2/NDF : 7341263408450.8/33

Left In: 144966.398 ± 0.051

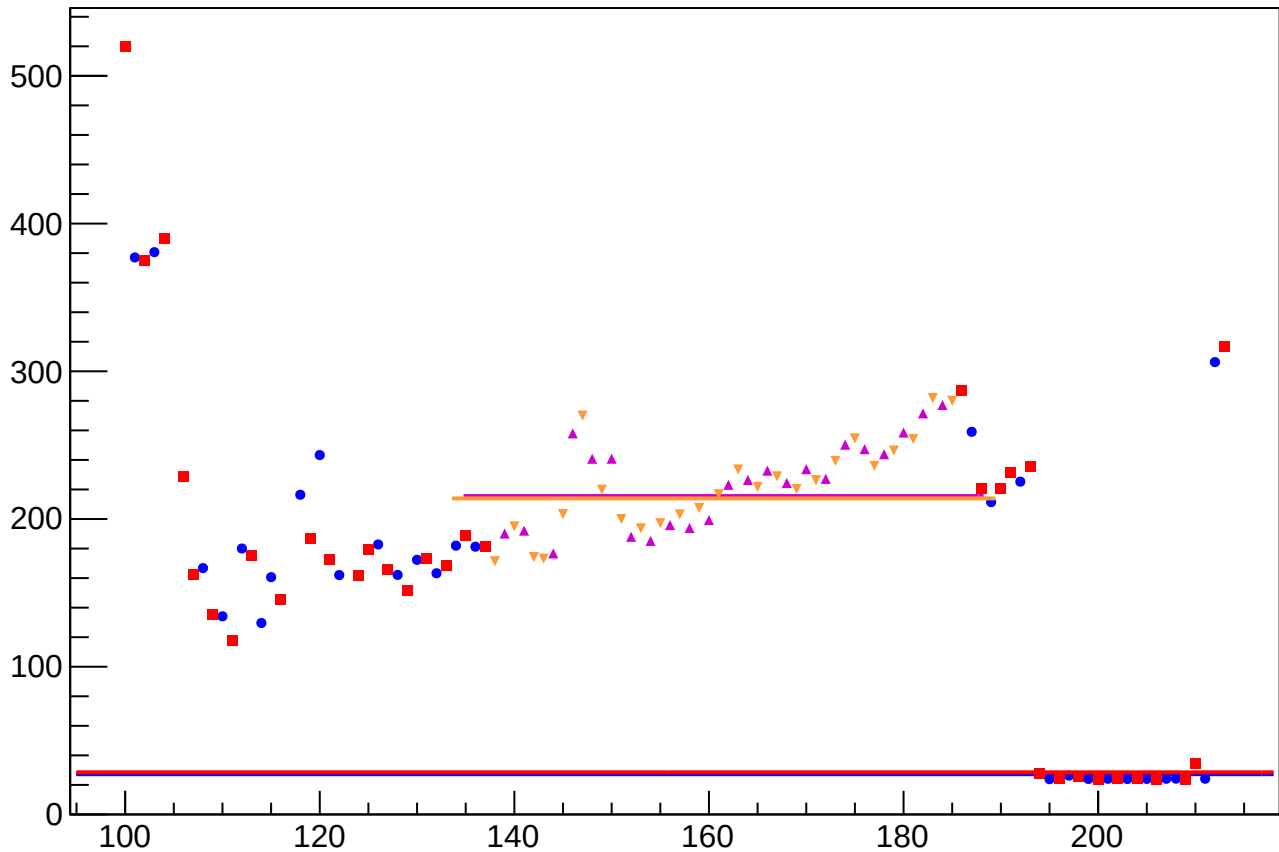
χ^2/NDF : 13154547043.3/22

+ sign -6124.167 ± 0.009 χ^2/NDF : 1578445390386

All: -5323.575 ± 0.006 χ^2/NDF : 3195291923

- sign -4404.254 ± 0.009 χ^2/NDF : 16149899398921

yield_bpm0i07WS_rms vs Slug



Right In: 27.261±/0.006 χ^2/NDF : 14008165.8/28

Left Out: 213.951±/0.035 χ^2/NDF : 650607.8/24

Right Out: 28.535±/0.007 χ^2/NDF : 15946854.2/33

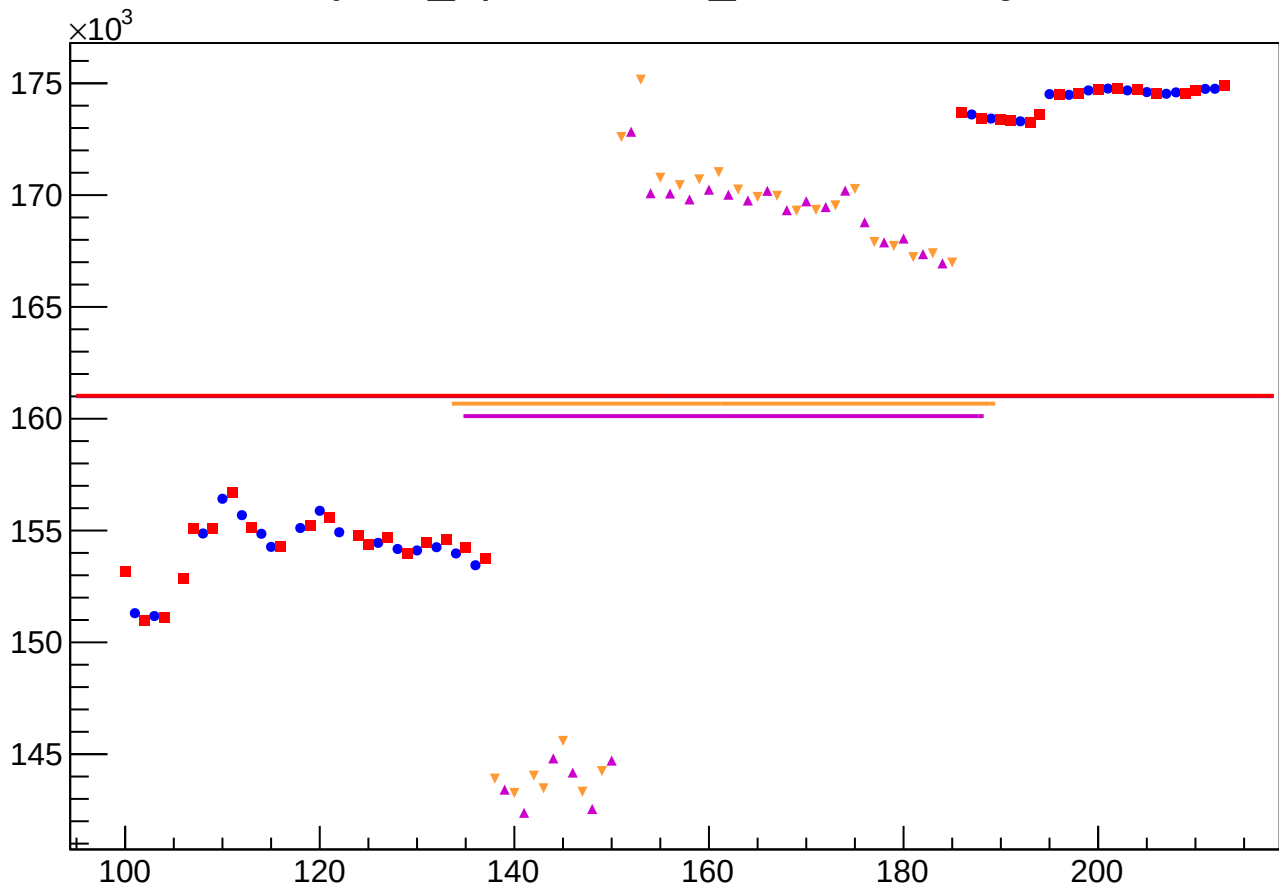
Left In: 215.539±/0.036 χ^2/NDF : 600575.7/22

+ sign 32.937±/0.006 χ^2/NDF : 42368333.9/53

All: 33.715±/0.004 χ^2/NDF : 84760229.4/110

- sign 34.609±/0.007 χ^2/NDF : 42356802.8/56

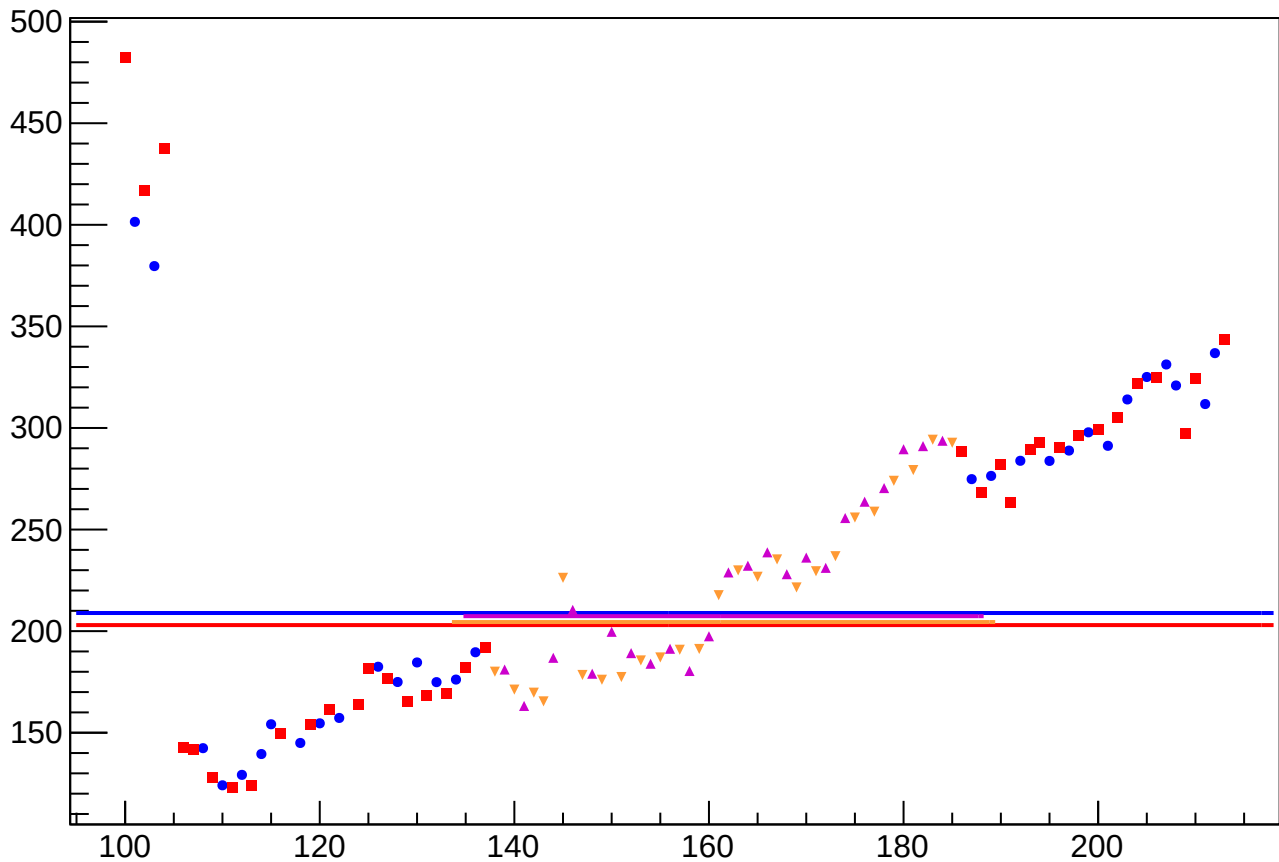
yield_bpm1i02WS_mean vs Slug



Right In: 161010.891 $\pm$ 0.054 χ^2 /NDF: 29332541468.9/28
 Left Out: 160674.818 $\pm$ 0.047 χ^2 /NDF: 74155131898.4/24
 Right Out: 161024.956 $\pm$ 0.050 χ^2 /NDF: 32788193605.7/33
 Left In: 160117.460 $\pm$ 0.049 χ^2 /NDF: 66553191753.2/22

+ sign 160821.702 $\pm$ 0.036 χ^2 /NDF: 103509652274
 All: 160691.116 $\pm$ 0.025 χ^2 /NDF: 20304338
 - sign 160562.753 $\pm$ 0.035 χ^2 /NDF: 99506989945.2

yield_bpm1i02WS_rms vs Slug



Right In: 208.923+/-0.038 χ^2/NDF : 4010358.2/28

Left Out: 204.476+/-0.034 χ^2/NDF :1073199.0/24

Right Out: 202.976+/-0.036 χ^2/NDF : 4850754.7/33

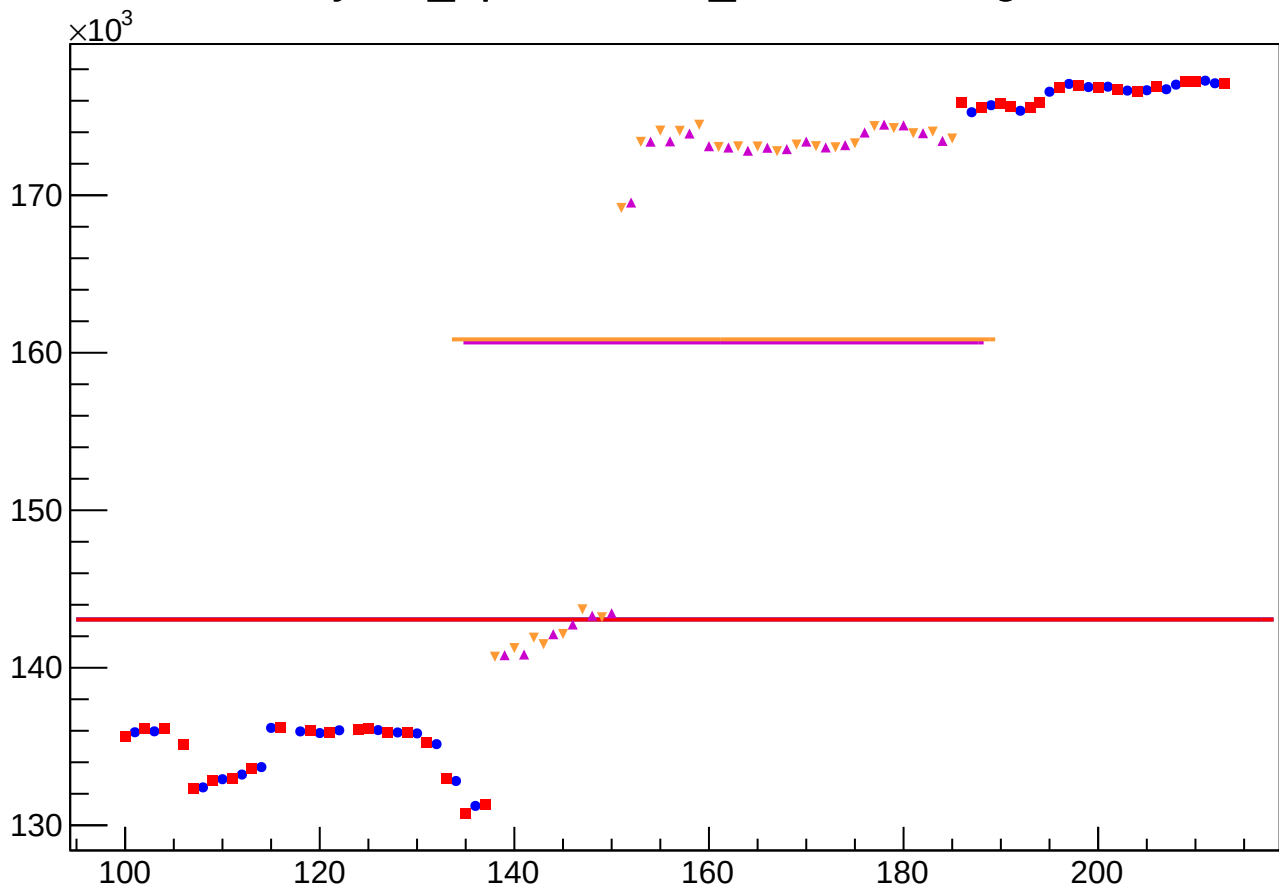
Left In: 207.368+/-0.035 χ^2/NDF :956644.0/22

+ sign 206.420+/-0.025 χ^2/NDF : 5091254.7/53

All: 205.811+/-0.018 χ^2/NDF : 10907575.1/11

- sign 205.213+/-0.025 χ^2/NDF : 5815158.4/56

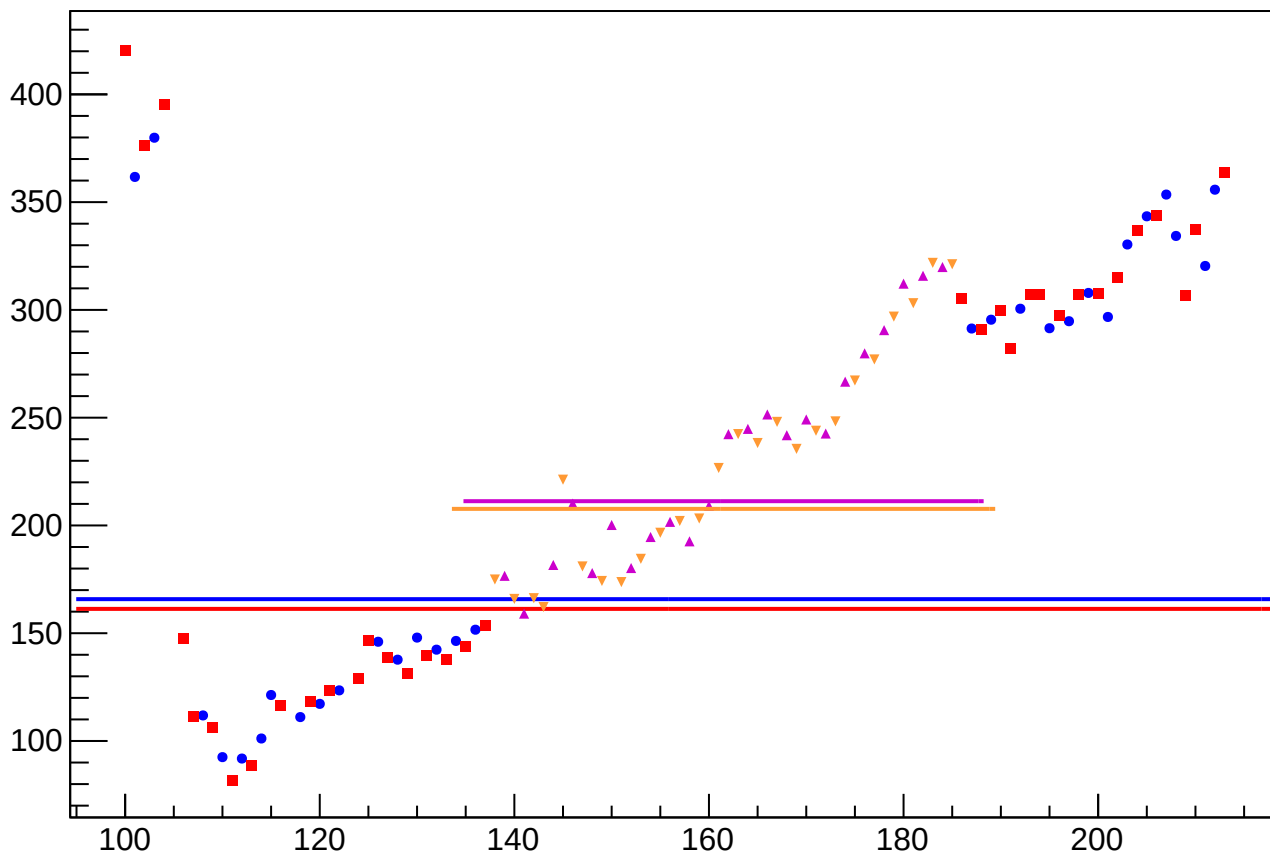
yield_bpm1i04WS_mean vs Slug



Right In: 143069.070 $\pm$ 0.045 χ^2 /NDF: 145289888206.6/28
 Left Out: 160851.077 $\pm$ 0.048 χ^2 /NDF: 99202825178.3/24
 Right Out: 143061.473 $\pm$ 0.043 χ^2 /NDF: 164224077309.3/33
 Left In: 160654.189 $\pm$ 0.051 χ^2 /NDF: 90149721861.0/22

+ sign 151355.414 $\pm$ 0.033 χ^2 /NDF: 316485205025
 All: 150855.022 $\pm$ 0.023 χ^2 /NDF: 641970280
 - sign 150368.046 $\pm$ 0.033 χ^2 /NDF: 325033023678

yield_bpm1i04WS_rms vs Slug



Right In: 165.805 $\pm$ 0.032 χ^2 /NDF: 7322895.5/28

Left Out: 207.689 $\pm$ 0.034 χ^2 /NDF:1500711.5/24

Right Out: 161.289 $\pm$ 0.030 χ^2 /NDF: 8550350.6/33

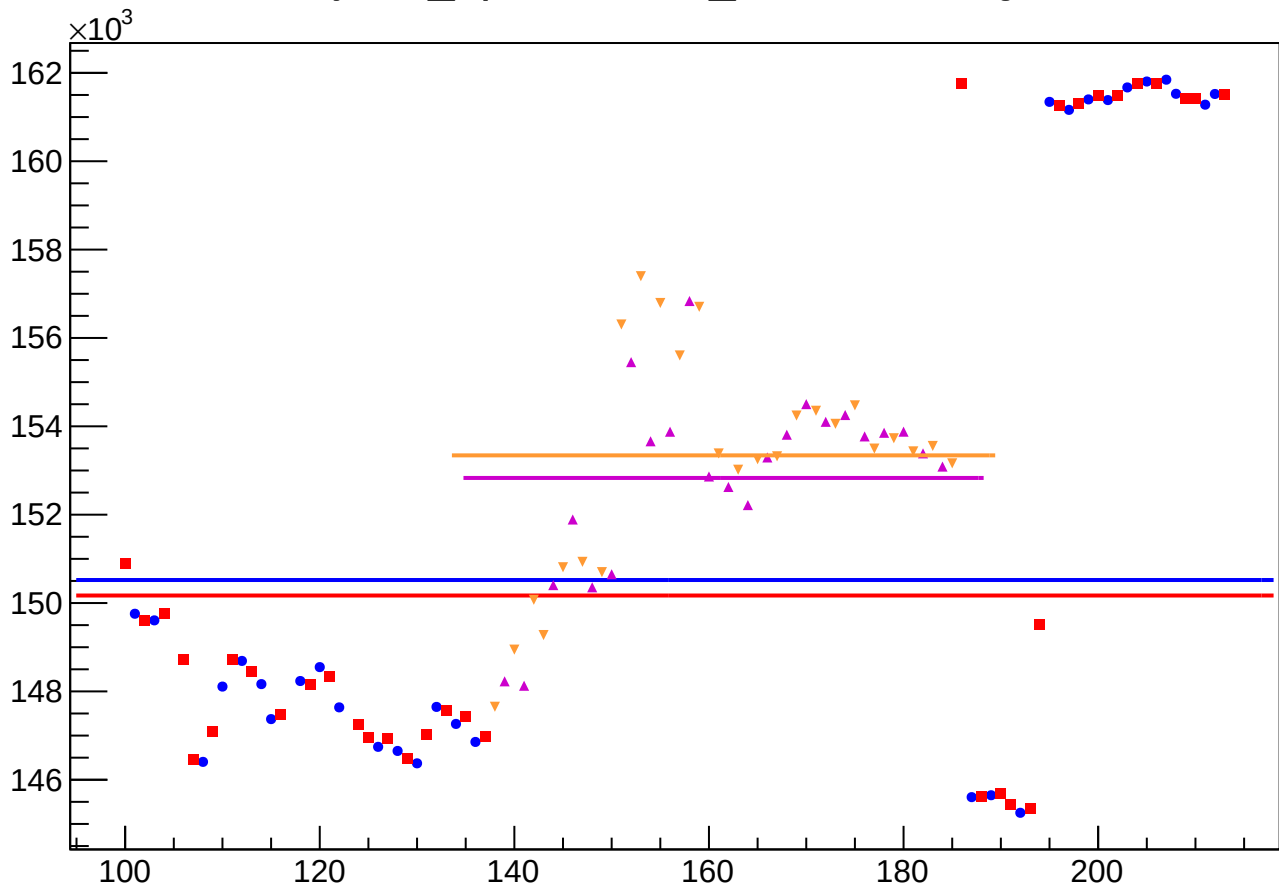
Left In: 211.254 $\pm$ 0.036 χ^2 /NDF:1305730.5/22

+ sign 185.323 $\pm$ 0.023 χ^2 /NDF: 9622448.8/53

All: 183.659 $\pm$ 0.016 χ^2 /NDF: 20628439.8/1

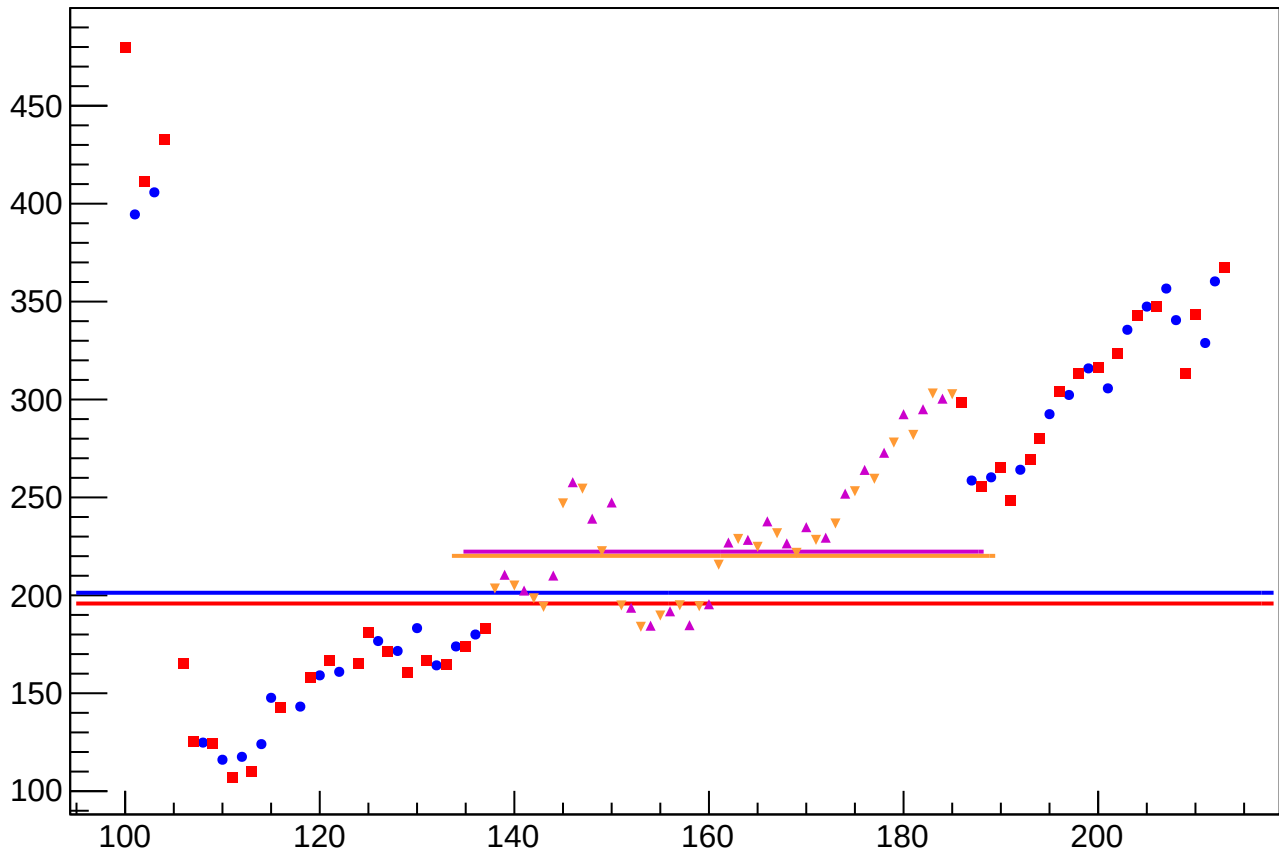
- sign 182.040 $\pm$ 0.023 χ^2 /NDF: 10996000.6/56

yield_bpm1i06WS_mean vs Slug



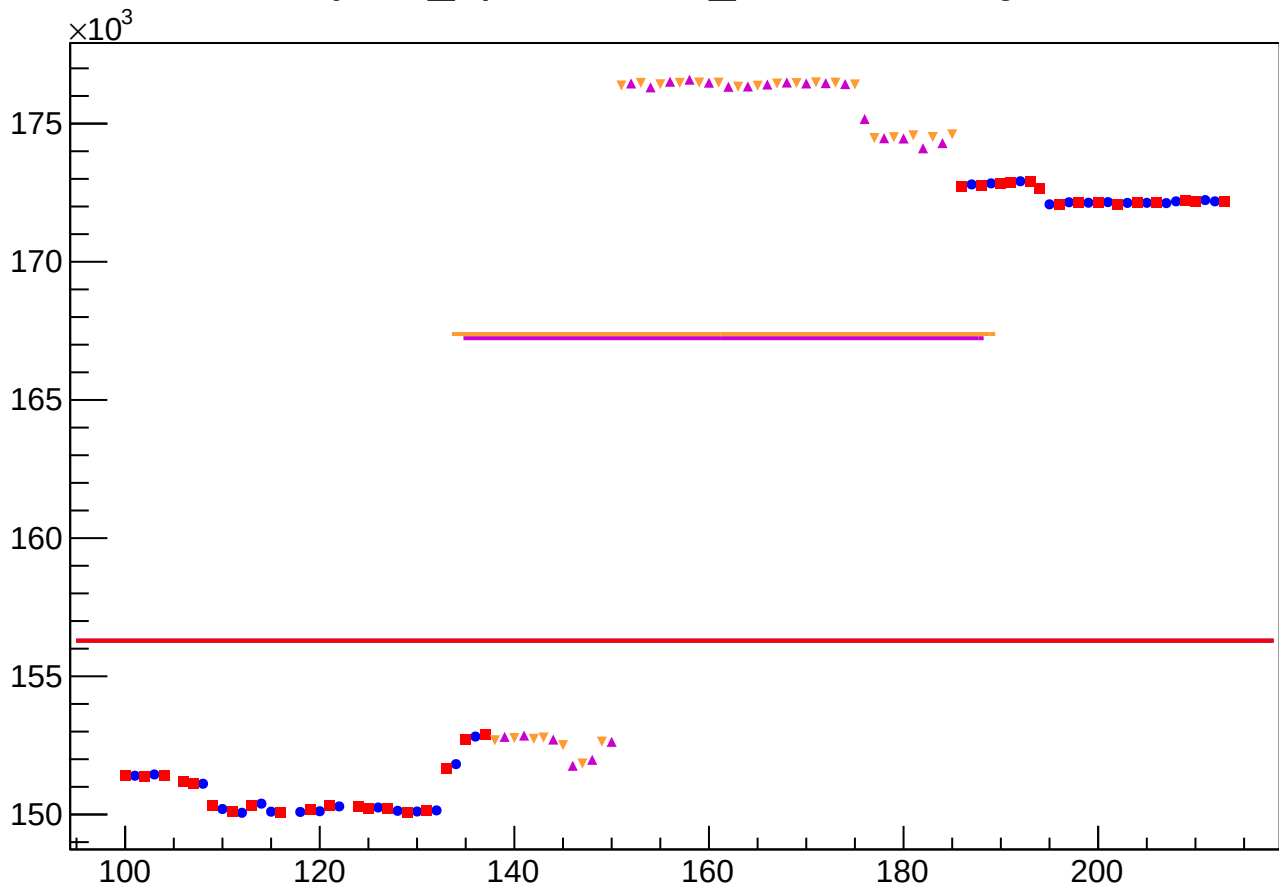
Right In: 150521.208 $\pm$ 0.053 χ^2 /NDF: 12569966848.7/28
 Left Out: 153342.472 $\pm$ 0.051 χ^2 /NDF: 2978670616.9/24
 Right Out: 150170.392 $\pm$ 0.049 χ^2 /NDF: 12488569943.7/33
 Left In: 152831.399 $\pm$ 0.053 χ^2 /NDF: 1914395326.4/22
 + sign 151983.226 $\pm$ 0.037 χ^2 /NDF: 17034615739.
 All: 151693.634 $\pm$ 0.026 χ^2 /NDF: 329161504.
 - sign 151411.965 $\pm$ 0.036 χ^2 /NDF: 15757831167.3

yield_bpm1i06WS_rms vs Slug



Right In: 201.319+/-0.037	χ^2/NDF : 4992545.4/28	+ sign 211.080+/-0.026	χ^2/NDF : 5810621.0/53
Left Out: 220.156+/-0.036	χ^2/NDF : 685590.6/24	All: 209.610+/-0.018	χ^2/NDF : 12583678.3/1
Right Out: 195.824+/-0.035	χ^2/NDF : 5800736.4/33	- sign 208.179+/-0.026	χ^2/NDF : 6766676.0/56
Left In: 222.304+/-0.037	χ^2/NDF : 697605.9/22		

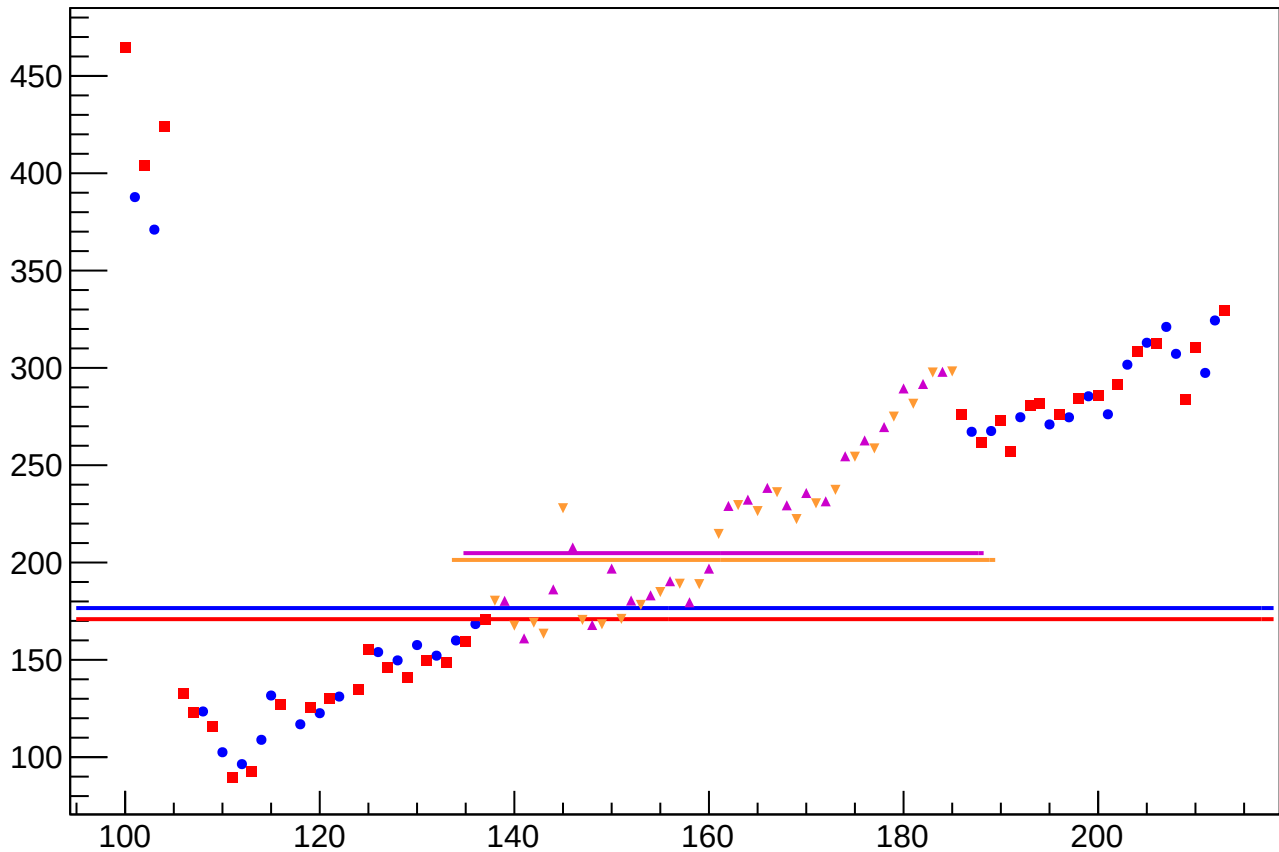
yield_bpm2i01WS_mean vs Slug



Right In: 156289.872 $\pm$ 0.047 χ^2 /NDF: 41912667599.7/28
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 156291.720 $\pm$ 0.044 χ^2 /NDF: 48284112681.2/33
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22

+ sign 161853.877 $\pm$ 0.033 χ^2 /NDF: 129619053278
 All: 161503.240 $\pm$ 0.023 χ^2 /NDF: 261040878
 - sign 161162.844 $\pm$ 0.033 χ^2 /NDF: 131200575860

yield_bpm2i01WS_rms vs Slug



Right In: 176.598 $\pm$ 0.033 χ^2 /NDF: 5721096.5/28

Left Out: 201.329 $\pm$ 0.033 χ^2 /NDF: 1230655.6/24

Right Out: 170.902 $\pm$ 0.031 χ^2 /NDF: 6816309.7/33

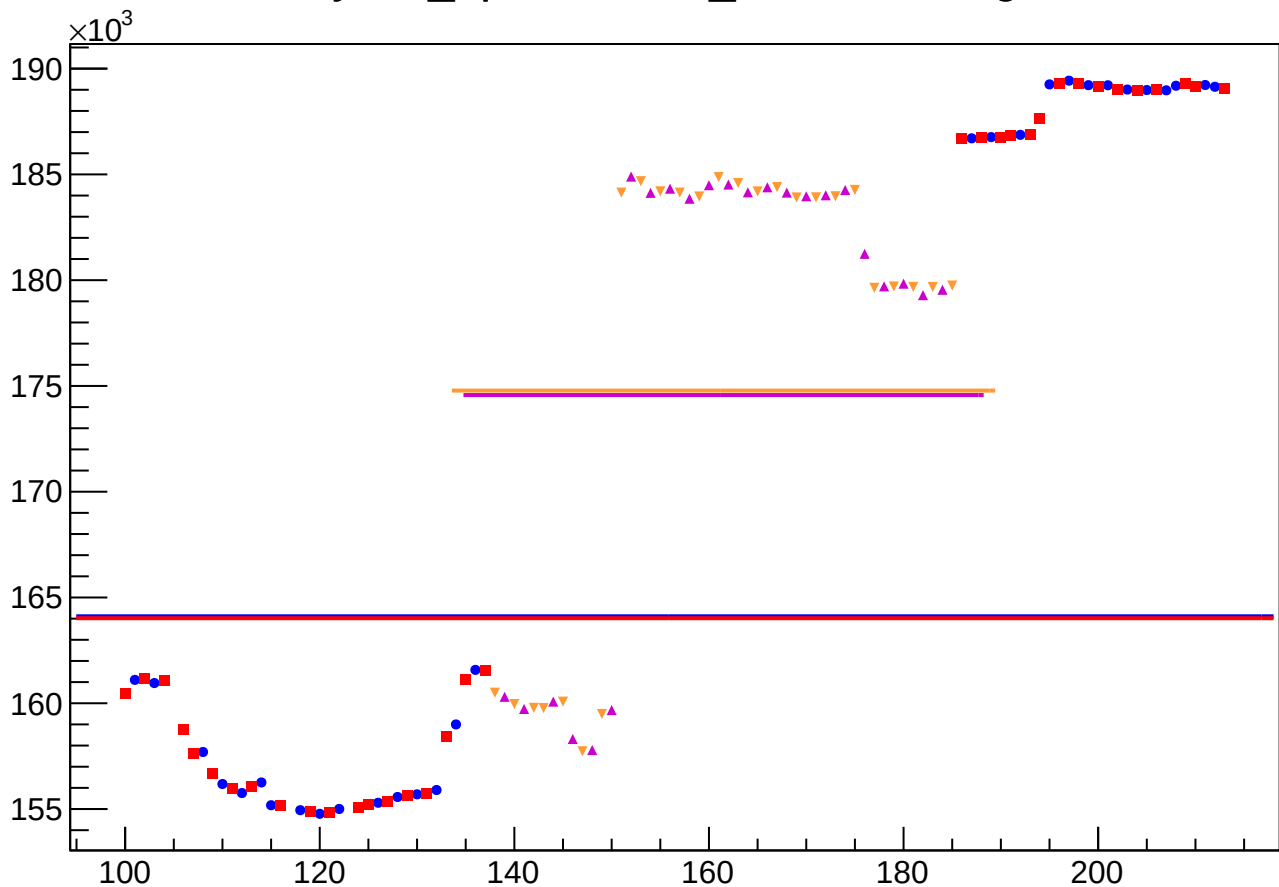
Left In: 204.826 $\pm$ 0.035 χ^2 /NDF: 1053130.7/22

+ sign 189.000 $\pm$ 0.023 χ^2 /NDF: 7230969.8/53

All: 187.479 $\pm$ 0.016 χ^2 /NDF: 15643443.2/11

- sign 186.003 $\pm$ 0.023 χ^2 /NDF: 8404154.8/56

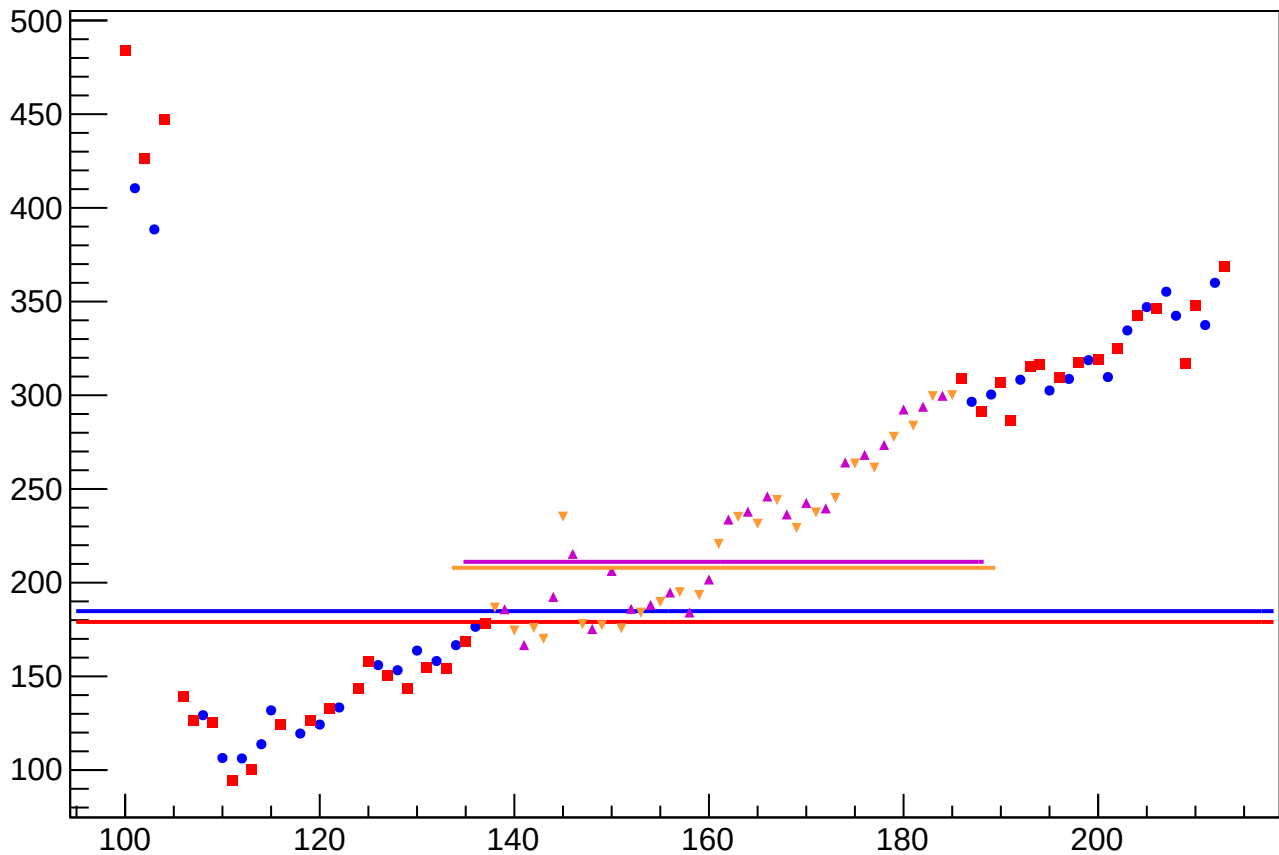
yield_bpm2i02WS_mean vs Slug



Right In: 164110.464 $\pm$ 0.050 χ^2 /NDF: 77628360216.1/28
 Left Out: 174780.651 $\pm$ 0.048 χ^2 /NDF: 58132787948.0/24
 Right Out: 164019.849 $\pm$ 0.046 χ^2 /NDF: 86719899204.8/33
 Left In: 174570.001 $\pm$ 0.050 χ^2 /NDF: 54757801795.4/22

+ sign 169601.733 $\pm$ 0.035 χ^2 /NDF: 159541096361
 All: 169229.812 $\pm$ 0.024 χ^2 /NDF: 324991455
 - sign 168867.745 $\pm$ 0.034 χ^2 /NDF: 165222098198

yield_bpm2i02WS_rms vs Slug



Right In: 184.806 $\pm$ 0.035 χ^2 /NDF: 6386904.8/28

Left Out: 207.940 $\pm$ 0.034 χ^2 /NDF:1132127.7/24

Right Out: 179.044 $\pm$ 0.033 χ^2 /NDF: 7541424.3/33

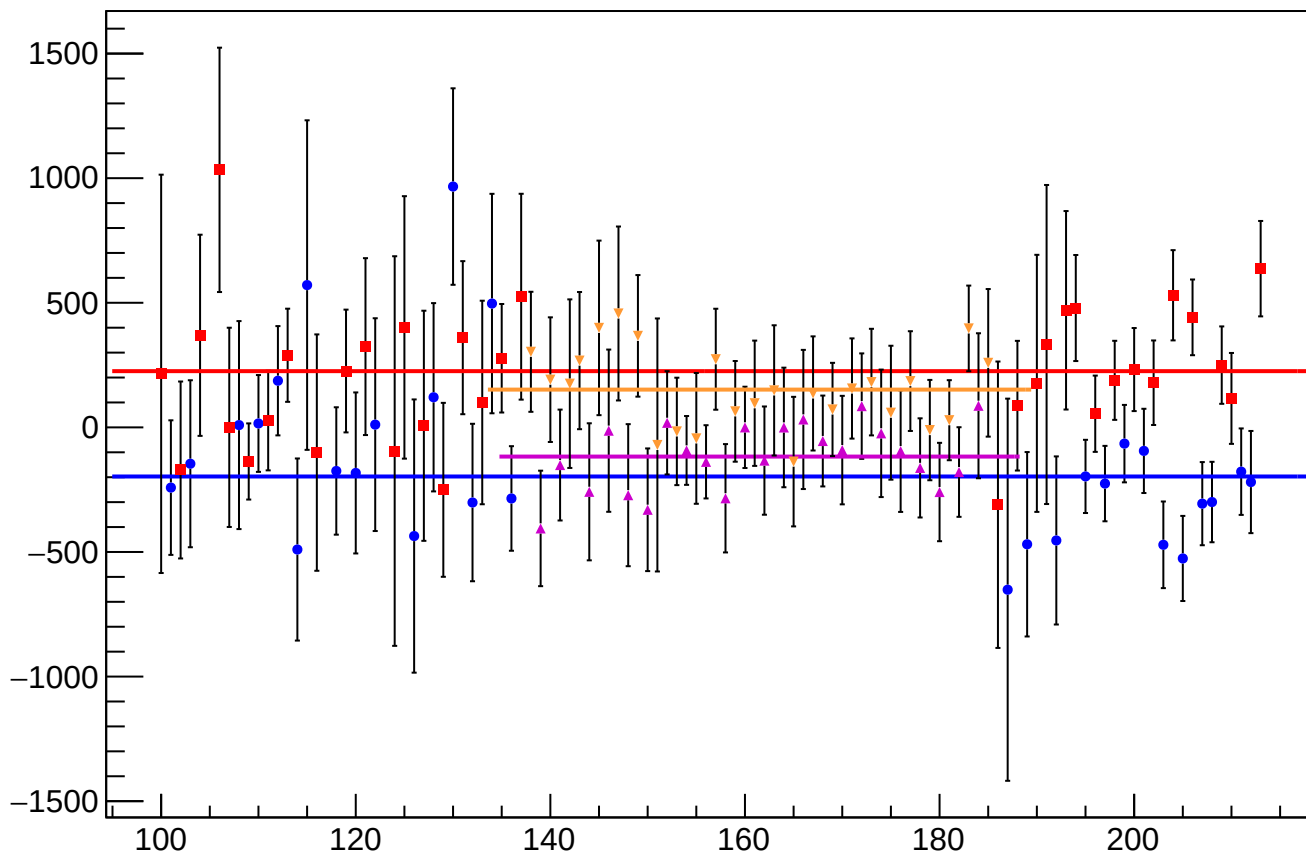
Left In: 211.133 $\pm$ 0.036 χ^2 /NDF:993720.4/22

+ sign 196.711 $\pm$ 0.024 χ^2 /NDF: 7742587.0/53

All: 195.231 $\pm$ 0.017 χ^2 /NDF: 16724297.4/11

- sign 193.789 $\pm$ 0.024 χ^2 /NDF: 8974475.3/56

asym_bcm_target_mean vs Slug



Right In: -197.078 ± 42.507 χ^2/NDF : 28.8/28

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 225.653 ± 41.124 χ^2/NDF : 29.1/33

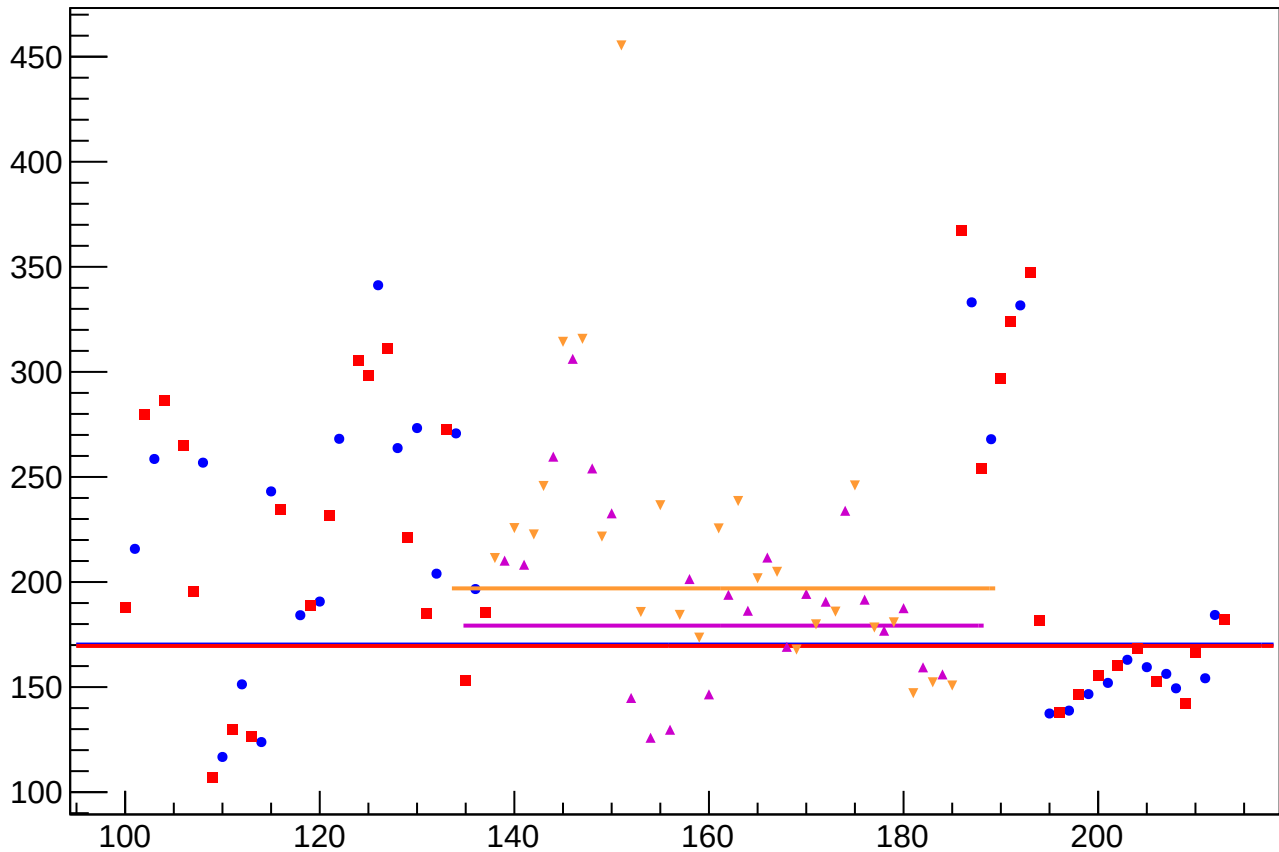
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign -38.049 ± 31.349 χ^2/NDF : 69.1/53

All: 15.760 ± 21.664 χ^2/NDF : 143.9/110

- sign 64.951 ± 29.973 χ^2/NDF : 69.2/56

asym_bcm_target_rms vs Slug



Right In: 170.240 $\pm$ 0.030 χ^2 /NDF: 2265131.8/28

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 169.585 $\pm$ 0.029 χ^2 /NDF: 2972086.8/33

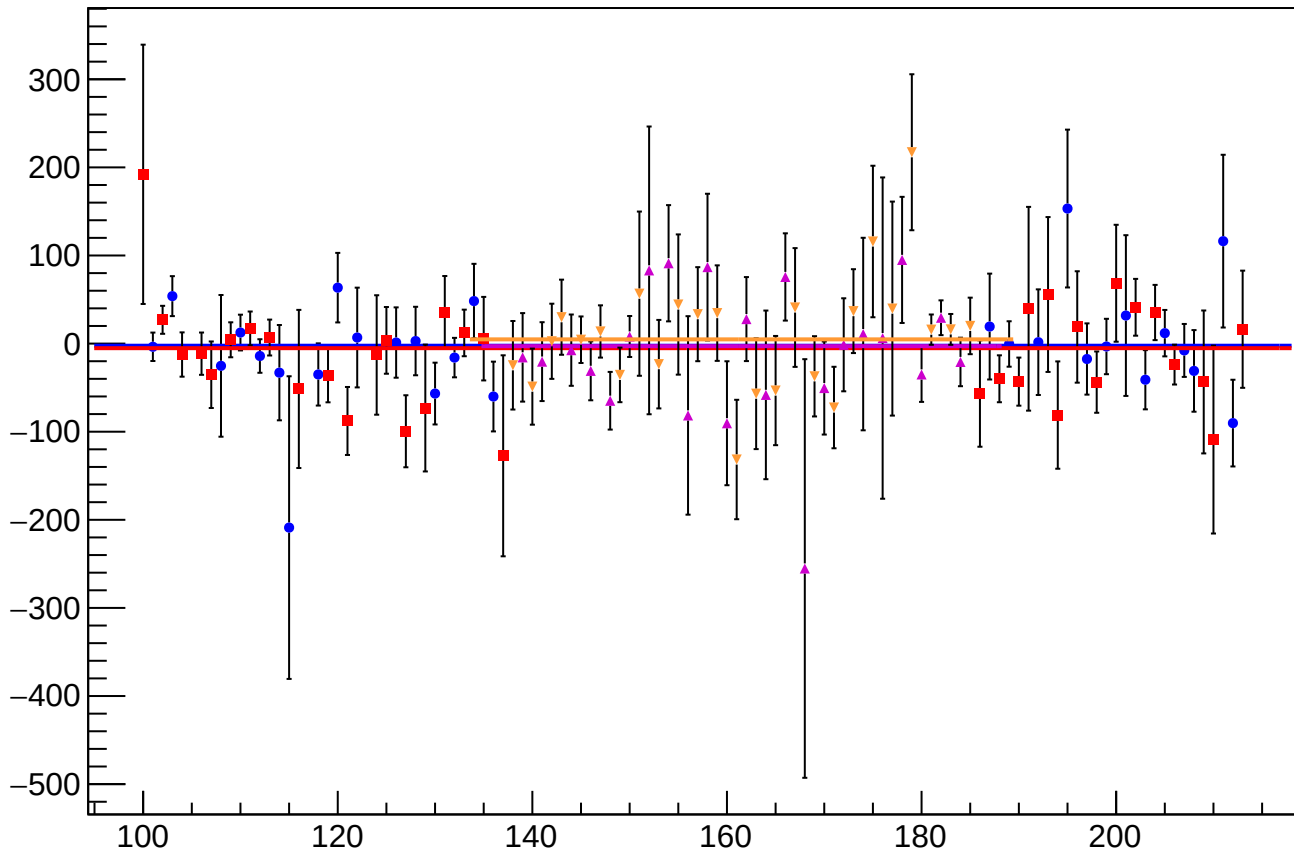
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 182.434 $\pm$ 0.022 χ^2 /NDF: 4435302.0/53

All: 178.089 $\pm$ 0.015 χ^2 /NDF: 9188777.9/110

- sign 174.118 $\pm$ 0.021 χ^2 /NDF: 4679962.4/56

asym_bcm_an_diff_mean vs Slug



Right In: -2.415 ± 6.096 χ^2/NDF : 29.1/28

Left Out: 4.803 ± 7.601 χ^2/NDF : 24.3/24

Right Out: -5.202 ± 5.675 χ^2/NDF : 38.3/33

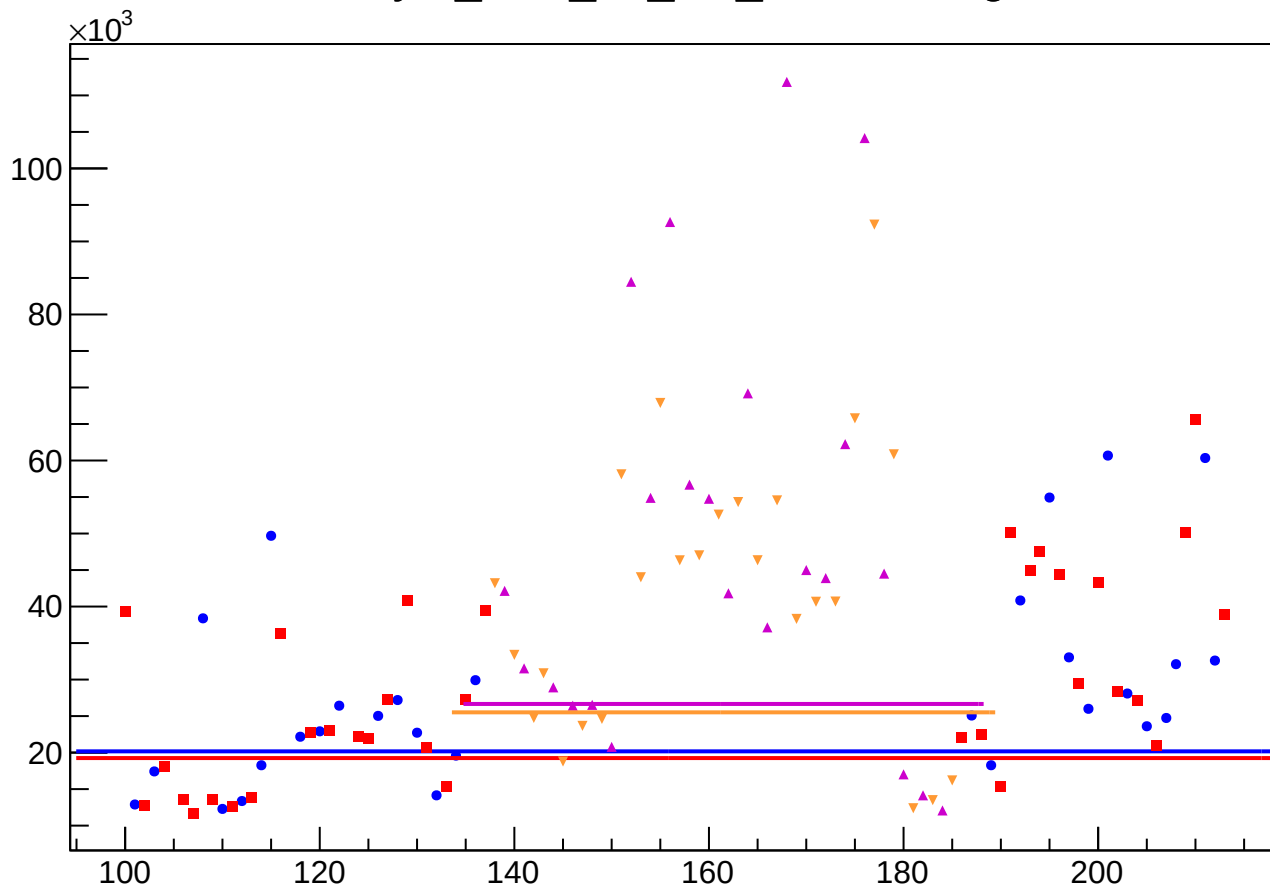
Left In: -2.918 ± 8.840 χ^2/NDF : 21.5/22

+ sign 0.411 ± 4.756 χ^2/NDF : 53.9/53

All: -2.052 ± 3.370 χ^2/NDF : 114.3/110

- sign -4.535 ± 4.776 χ^2/NDF : 59.8/56

asym_bcm_an_diff_rms vs Slug



Right In: 20171.611+/-4.311 χ^2/NDF : 3586862.3/28

Left Out: 25512.643+/-5.375 χ^2/NDF : 7742585.8/24

Right Out: 19250.249+/-4.013 χ^2/NDF : 4377533.1/33

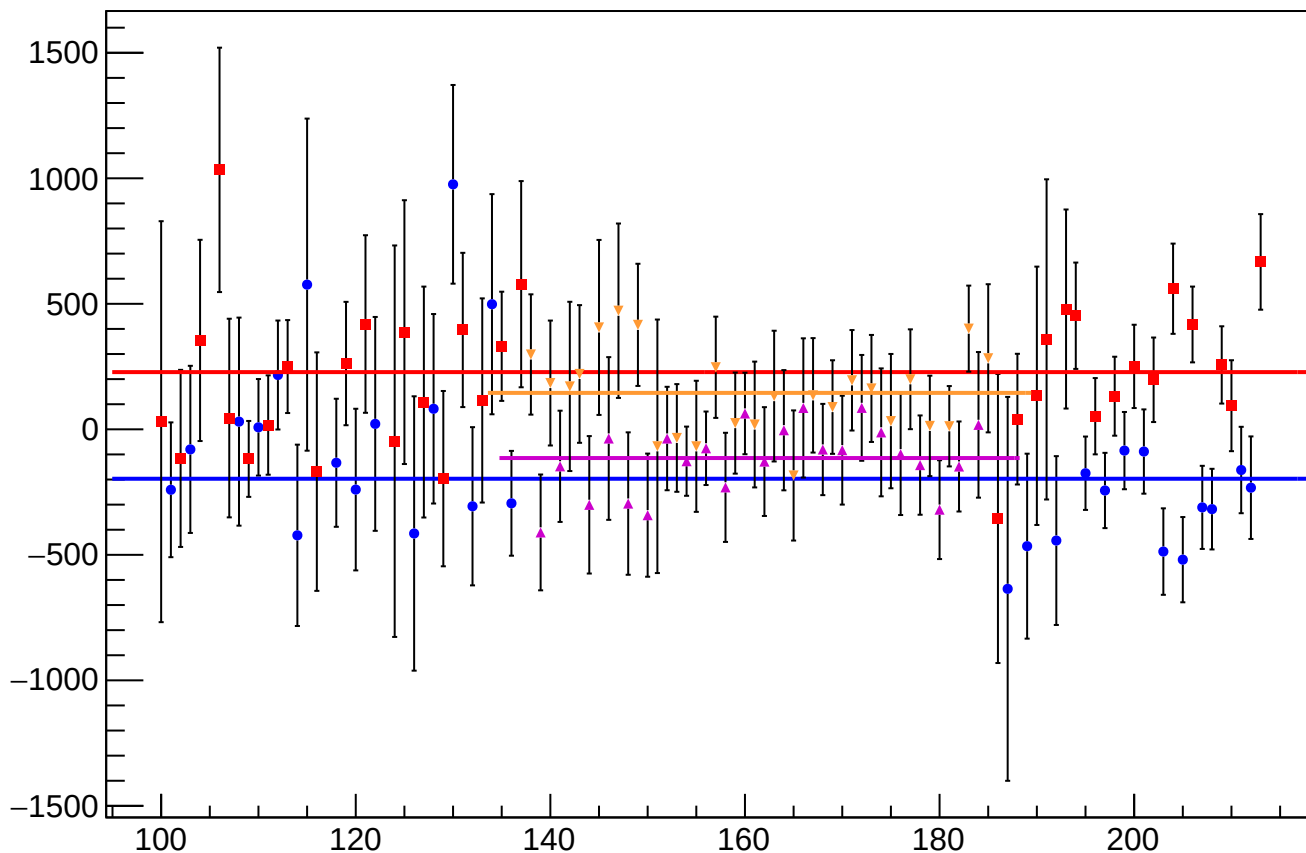
Left In: 26660.853+/-6.251 χ^2/NDF : 5883195.1/22

+ sign 22262.425+/-3.363 χ^2/NDF : 11930374.4/53

All: 21839.581+/-2.383 χ^2/NDF : 23218091.6

- sign 21413.144+/-3.377 χ^2/NDF : 11255961.3/56

asym_bcm_an_ds_mean vs Slug



Right In: -196.875 ± 42.230 χ^2/NDF : 29.7/28

Left Out: 145.172 ± 46.225 χ^2/NDF : 11.2/24

Right Out: 227.937 ± 40.865 χ^2/NDF : 30.3/33

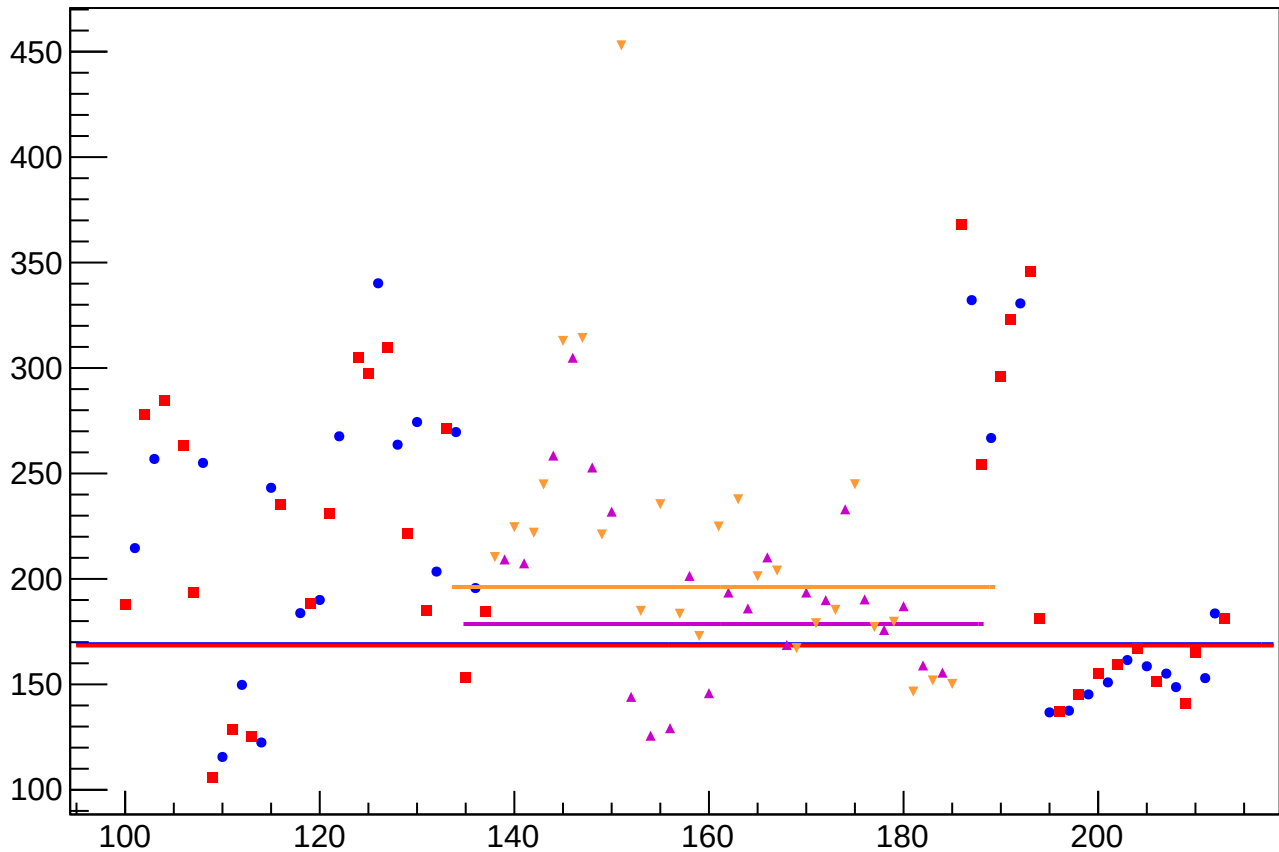
Left In: -114.400 ± 43.619 χ^2/NDF : 8.4/22

+ sign -41.270 ± 31.178 χ^2/NDF : 70.7/53

All: 15.751 ± 21.551 χ^2/NDF : 148.6/110

- sign 67.919 ± 29.822 χ^2/NDF : 71.5/56

asym_bcm_an_ds_rms vs Slug



Right In: 169.054 $\pm$ 0.030 χ^2 /NDF: 2295278.2/28

Left Out: 196.166 $\pm$ 0.033 χ^2 /NDF:1806871.5/24

Right Out: 168.424 $\pm$ 0.029 χ^2 /NDF: 3010804.7/33

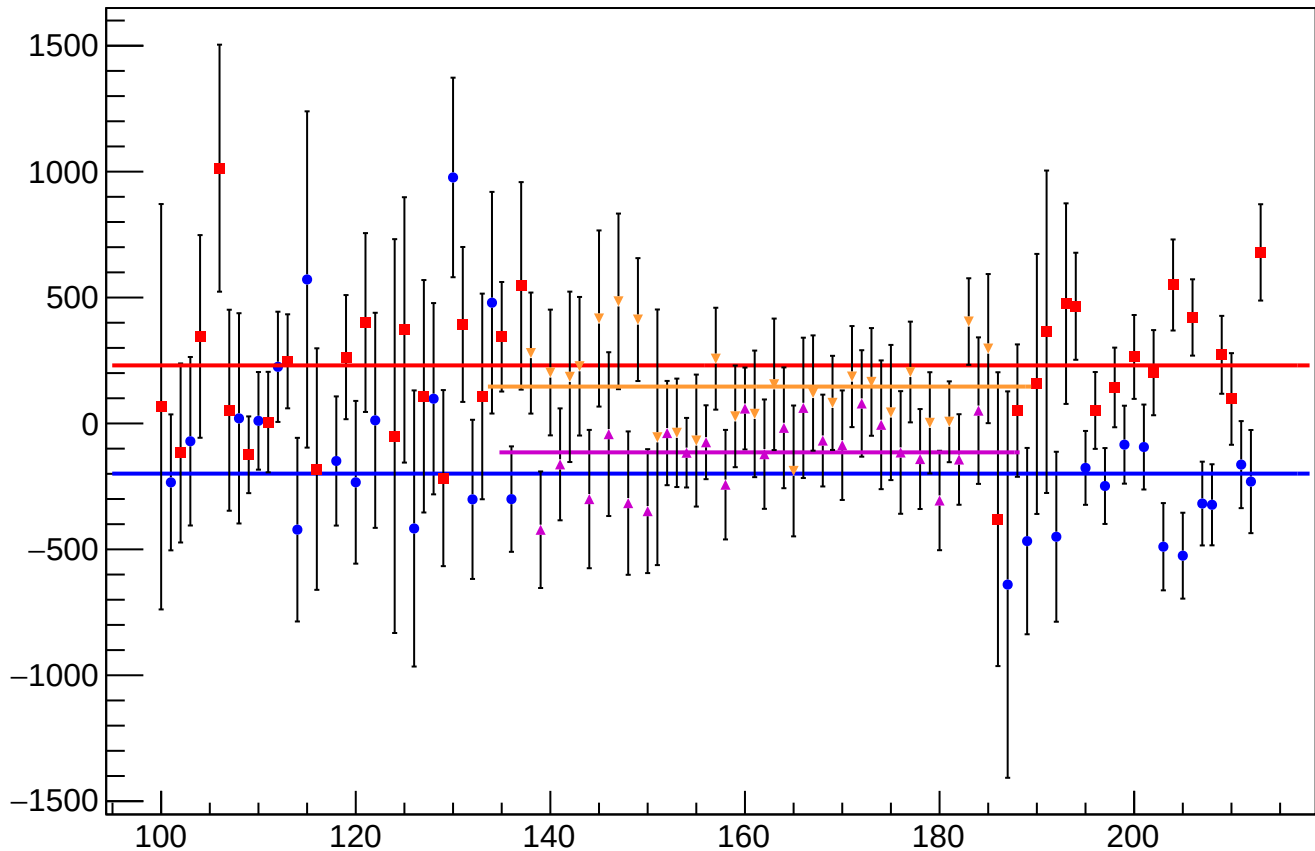
Left In: 178.621 $\pm$ 0.031 χ^2 /NDF:1651873.8/22

+ sign 181.387 $\pm$ 0.022 χ^2 /NDF: 4477163.1/53

All: 177.107 $\pm$ 0.015 χ^2 /NDF: 9270252.8/110

- sign 173.190 $\pm$ 0.021 χ^2 /NDF: 4720889.4/56

asym_bcm_an_ds3_mean vs Slug



Right In: -199.200 ± 42.430 χ^2/NDF : 29.8/28

Left Out: 146.417 ± 46.379 χ^2/NDF : 11.4/24

Right Out: 230.552 ± 41.071 χ^2/NDF : 30.4/33

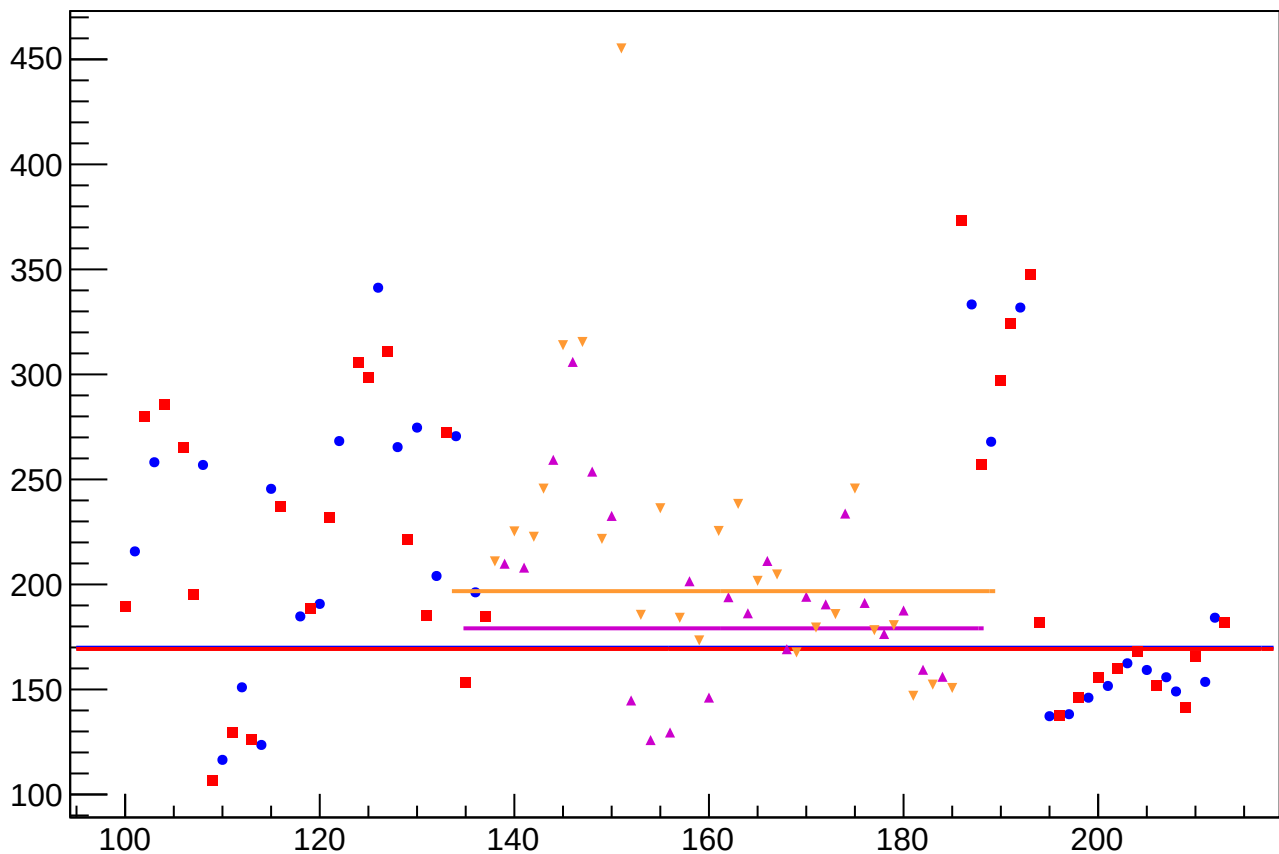
Left In: -114.807 ± 43.740 χ^2/NDF : 8.4/22

+ sign -41.727 ± 31.306 χ^2/NDF : 71.4/53

All: 15.963 ± 21.638 χ^2/NDF : 149.9/110

- sign 68.732 ± 29.941 χ^2/NDF : 72.0/56

asym_bcm_an_ds3_rms vs Slug



Right In: 169.874 $\pm$ 0.030 χ^2 /NDF: 2287401.2/28

Left Out: 196.805 $\pm$ 0.033 χ^2 /NDF:1808608.7/24

Right Out: 169.278 $\pm$ 0.029 χ^2 /NDF: 3008226.0/33

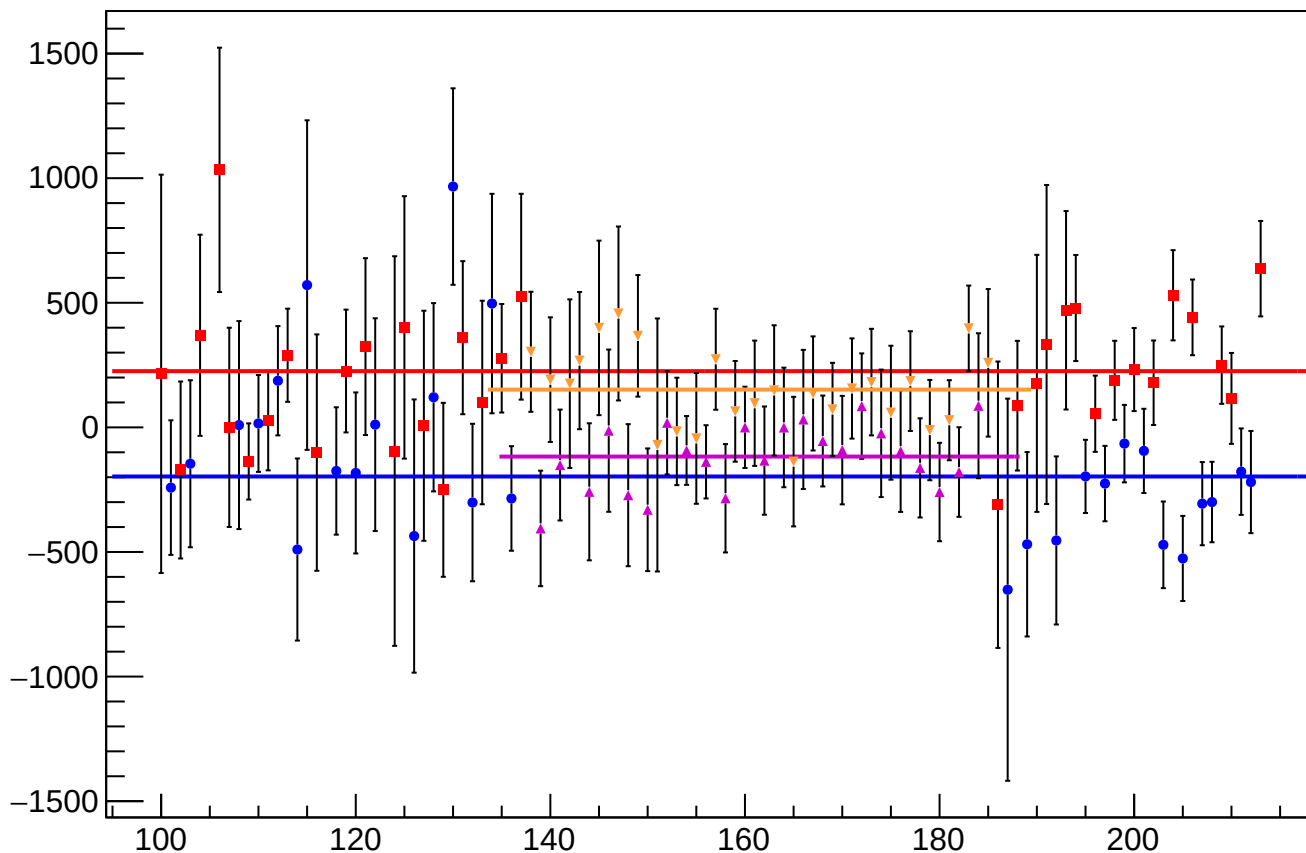
Left In: 179.101 $\pm$ 0.031 χ^2 /NDF:1655866.1/22

+ sign 182.145 $\pm$ 0.022 χ^2 /NDF: 4463125.0/53

All: 177.828 $\pm$ 0.015 χ^2 /NDF: 9253620.7/110

- sign 173.880 $\pm$ 0.021 χ^2 /NDF: 4717700.3/56

asym_bcm_an_us_mean vs Slug



Right In: -197.078 ± 42.507 $\chi^2/\text{NDF}: 28.8/28$

Left Out: 151.598 ± 46.419 $\chi^2/\text{NDF}: 9.6/24$

Right Out: 225.653 ± 41.124 $\chi^2/\text{NDF}: 29.1/33$

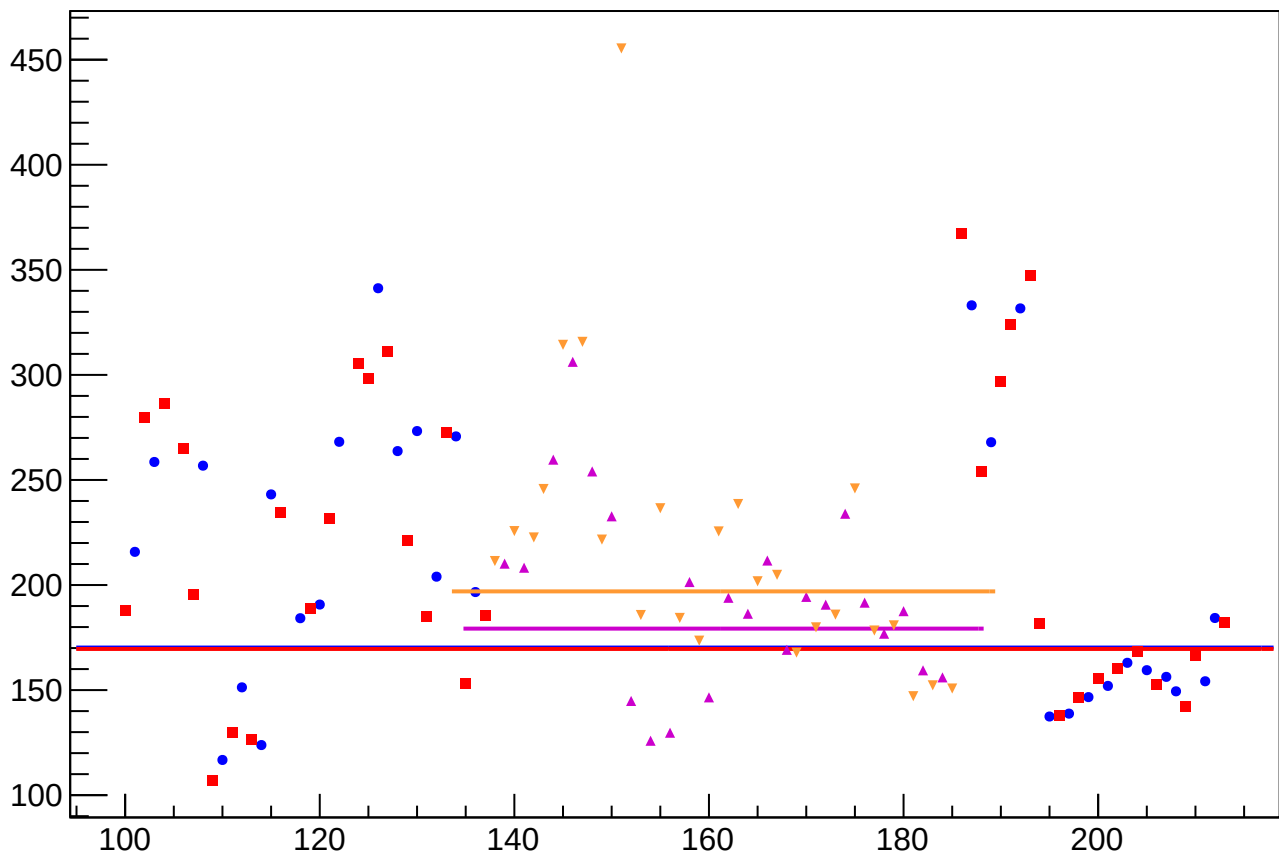
Left In: -117.163 ± 43.778 $\chi^2/\text{NDF}: 7.5/22$

+ sign -38.049 ± 31.349 $\chi^2/\text{NDF}: 69.1/53$

All: 15.760 ± 21.664 $\chi^2/\text{NDF}: 143.9/110$

- sign 64.951 ± 29.973 $\chi^2/\text{NDF}: 69.2/56$

asym_bcm_an_us_rms vs Slug



Right In: 170.240 $\pm$ 0.030 χ^2 /NDF: 2265131.8/28

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 169.585 $\pm$ 0.029 χ^2 /NDF: 2972086.8/33

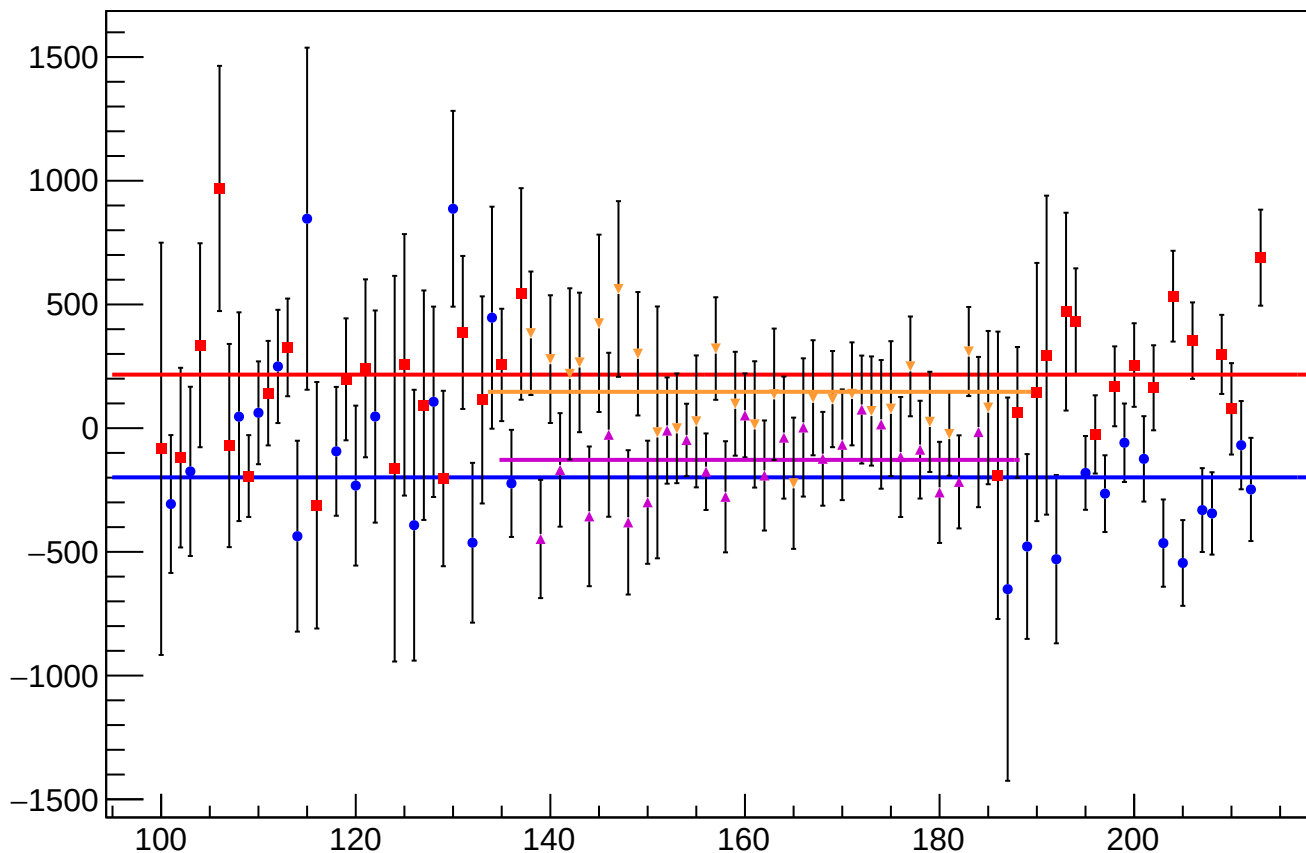
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 182.434 $\pm$ 0.022 χ^2 /NDF: 4435302.0/53

All: 178.089 $\pm$ 0.015 χ^2 /NDF: 9188777.9/110

- sign 174.118 $\pm$ 0.021 χ^2 /NDF: 4679962.4/56

asym_bcm_dg_us_mean vs Slug



Right In: -198.802 ± 43.507 χ^2/NDF : 31.3/28

Left Out: 146.973 ± 47.709 χ^2/NDF : 10.2/24

Right Out: 216.410 ± 42.196 χ^2/NDF : 29.6/33

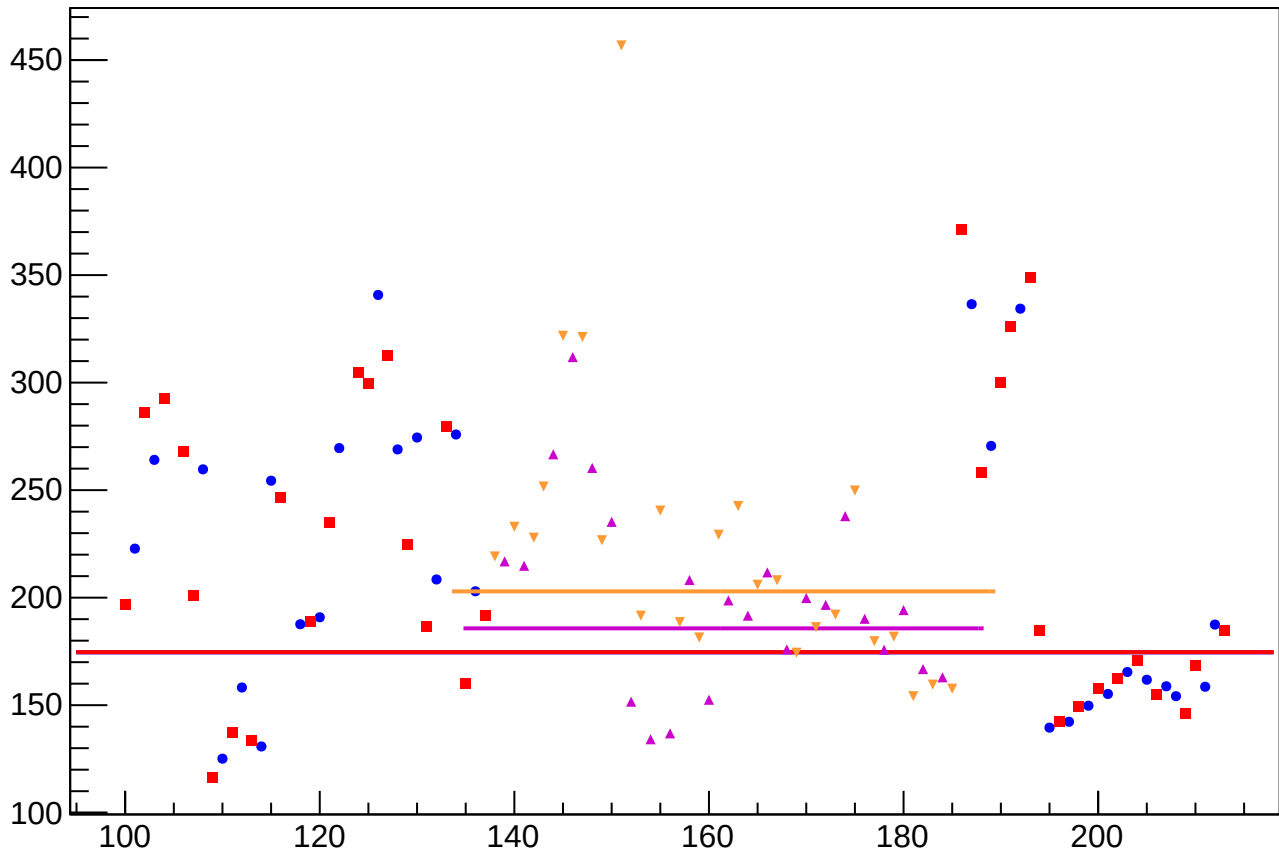
Left In: -128.159 ± 45.200 χ^2/NDF : 8.6/22

+ sign -41.810 ± 32.147 χ^2/NDF : 70.2/53

All: 9.093 ± 22.257 χ^2/NDF : 144.2/110

- sign 55.955 ± 30.844 χ^2/NDF : 69.2/56

asym_bcm_dg_us_rms vs Slug



Right In: 174.550 $\pm$ 0.031 χ^2 /NDF: 2172577.5/28

Left Out: 202.920 $\pm$ 0.034 χ^2 /NDF:1700115.2/24

Right Out: 174.657 $\pm$ 0.030 χ^2 /NDF: 2764088.8/33

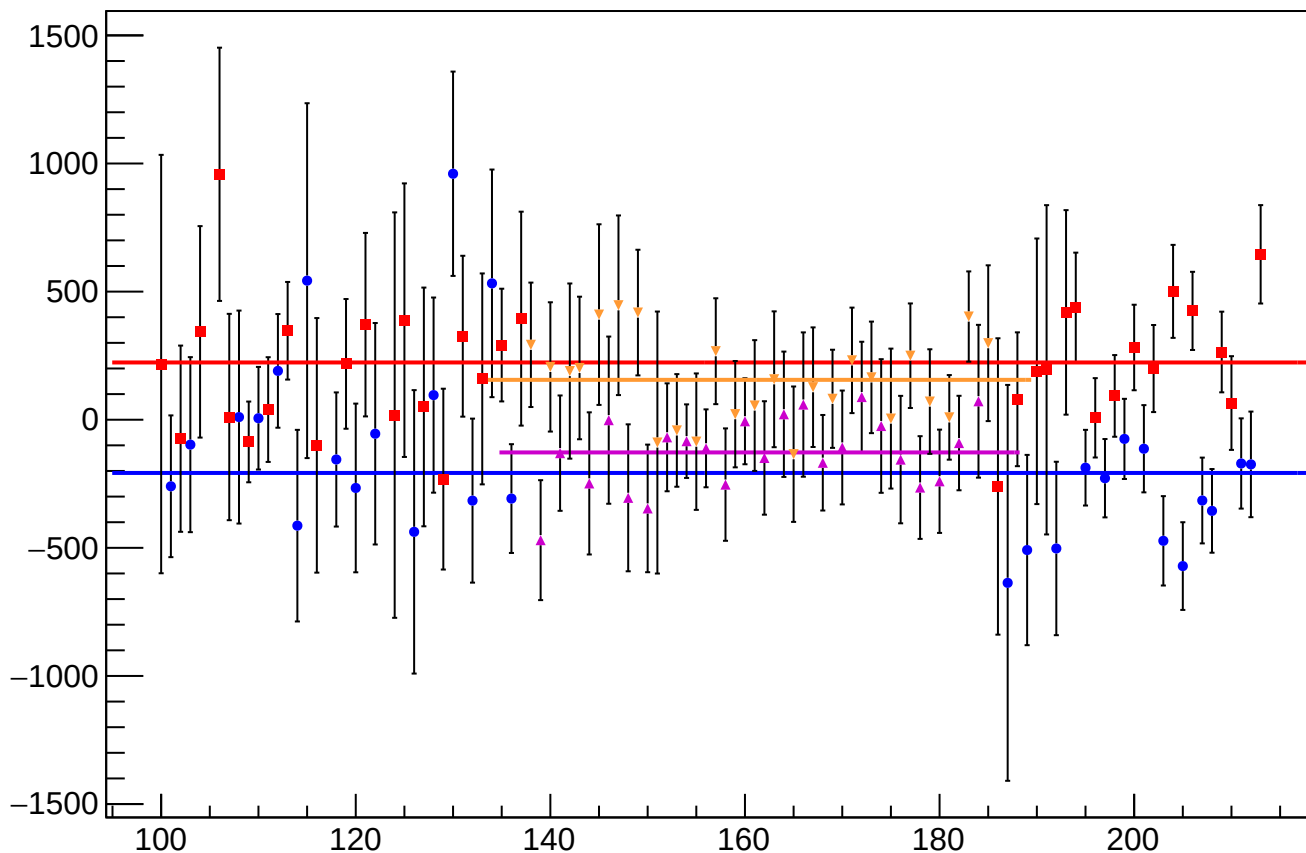
Left In: 185.716 $\pm$ 0.032 χ^2 /NDF:1489487.2/22

+ sign 187.431 $\pm$ 0.023 χ^2 /NDF: 4258829.8/53

All: 183.461 $\pm$ 0.016 χ^2 /NDF: 8634949.1/110

- sign 179.807 $\pm$ 0.022 χ^2 /NDF: 4317548.8/56

asym_bcm_dg_ds_mean vs Slug



Right In: -207.701 ± 42.942 χ^2/NDF : 29.9/28

Left Out: 155.646 ± 47.263 χ^2/NDF : 10.7/24

Right Out: 223.474 ± 41.559 χ^2/NDF : 26.1/33

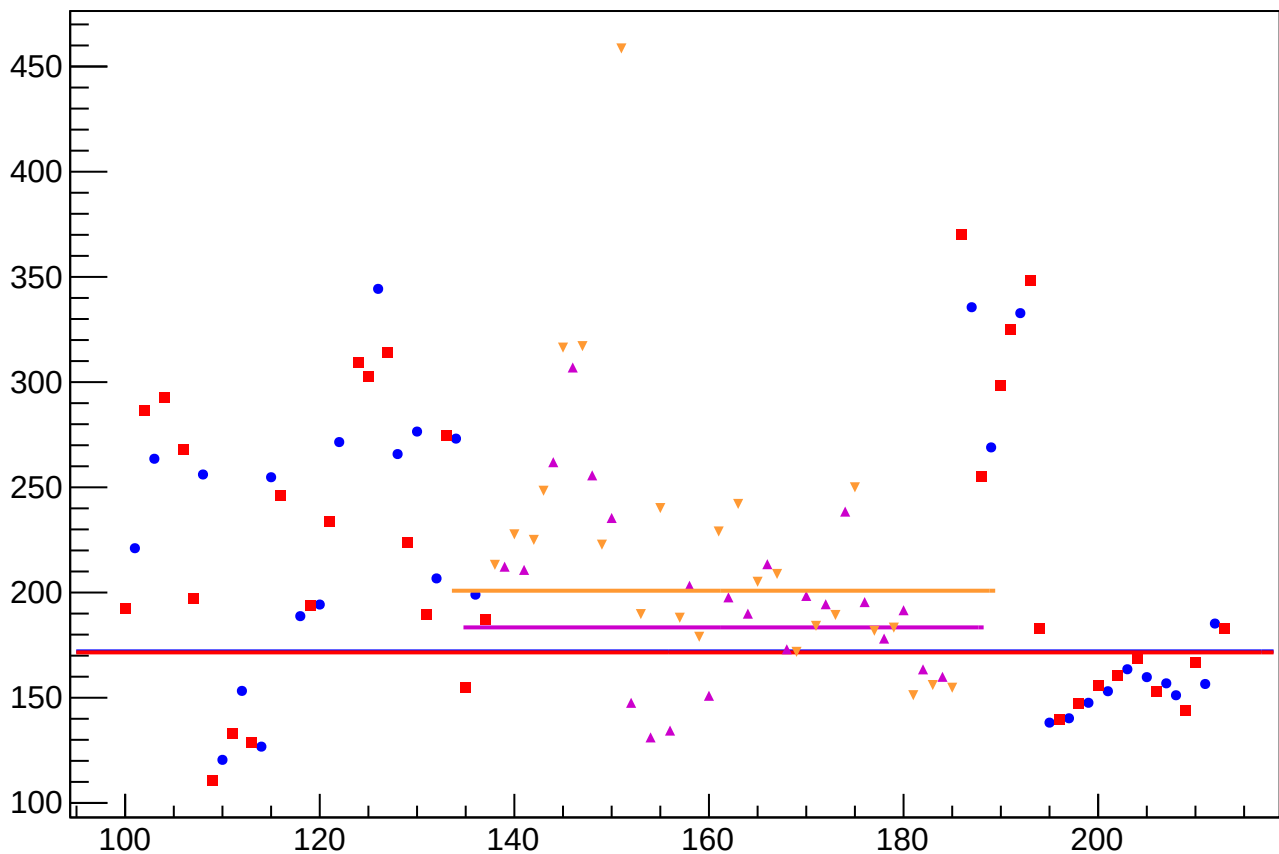
Left In: -127.660 ± 44.698 χ^2/NDF : 8.0/22

+ sign -43.394 ± 31.783 χ^2/NDF : 72.9/53

All: 10.888 ± 21.982 χ^2/NDF : 145.6/110

- sign 60.666 ± 30.436 χ^2/NDF : 67.1/56

asym_bcm_dg_ds_rms vs Slug



Right In: 172.029 $\pm$ 0.030 χ^2 /NDF: 2258654.5/28

Left Out: 200.865 $\pm$ 0.033 χ^2 /NDF:1727404.3/24

Right Out: 171.550 $\pm$ 0.029 χ^2 /NDF: 2933619.7/33

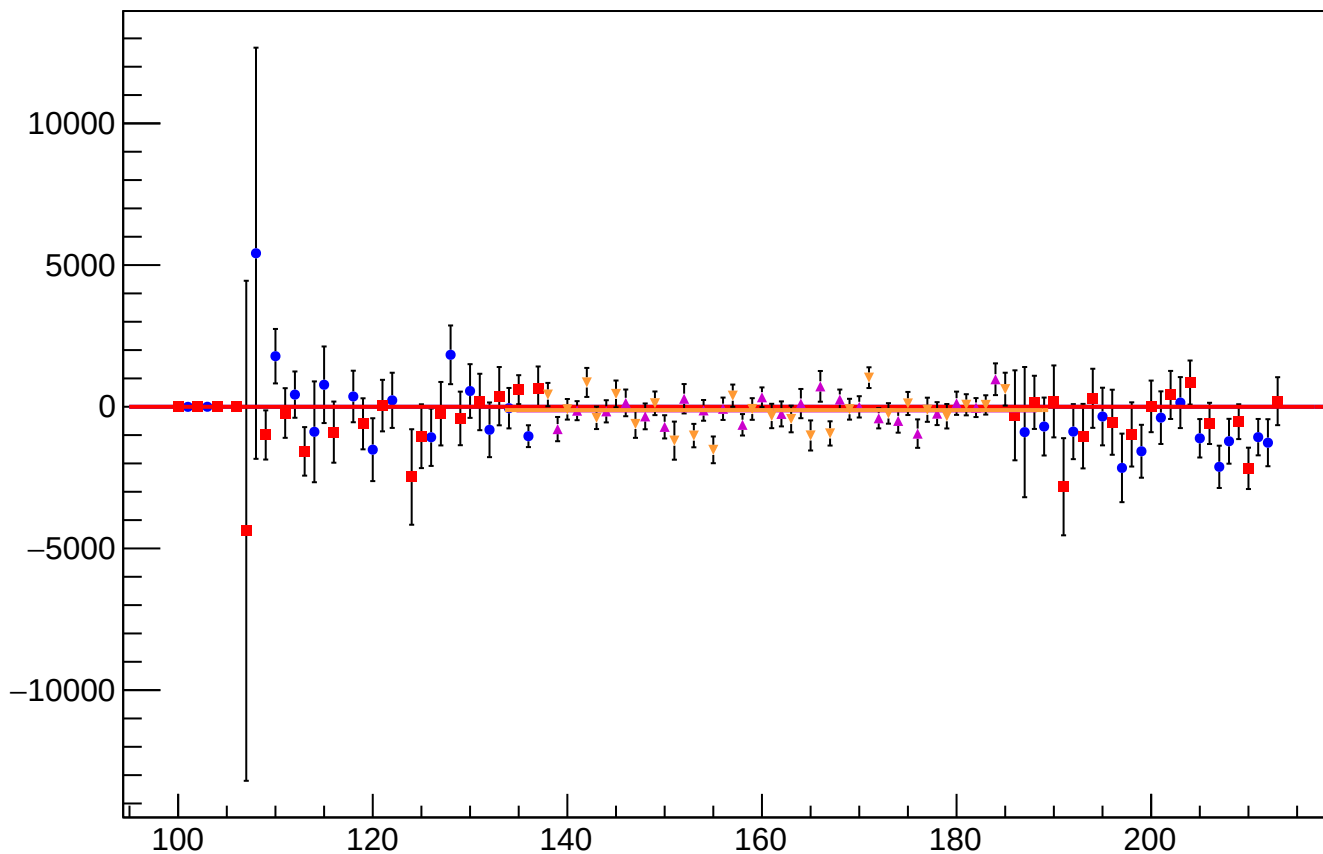
Left In: 183.433 $\pm$ 0.032 χ^2 /NDF:1530678.8/22

+ sign 185.068 $\pm$ 0.022 χ^2 /NDF: 4393878.5/53

All: 180.891 $\pm$ 0.016 χ^2 /NDF: 9000239.3/110

- sign 177.060 $\pm$ 0.022 χ^2 /NDF: 4540117.8/56

asym_cav4bQ_mean vs Slug



Right In: -1.325 ± 2.171 $\chi^2/\text{NDF}: 45.9/28$

Left Out: -117.658 ± 84.207 $\chi^2/\text{NDF}: 46.4/24$

Right Out: -1.405 ± 2.022 $\chi^2/\text{NDF}: 33.3/33$

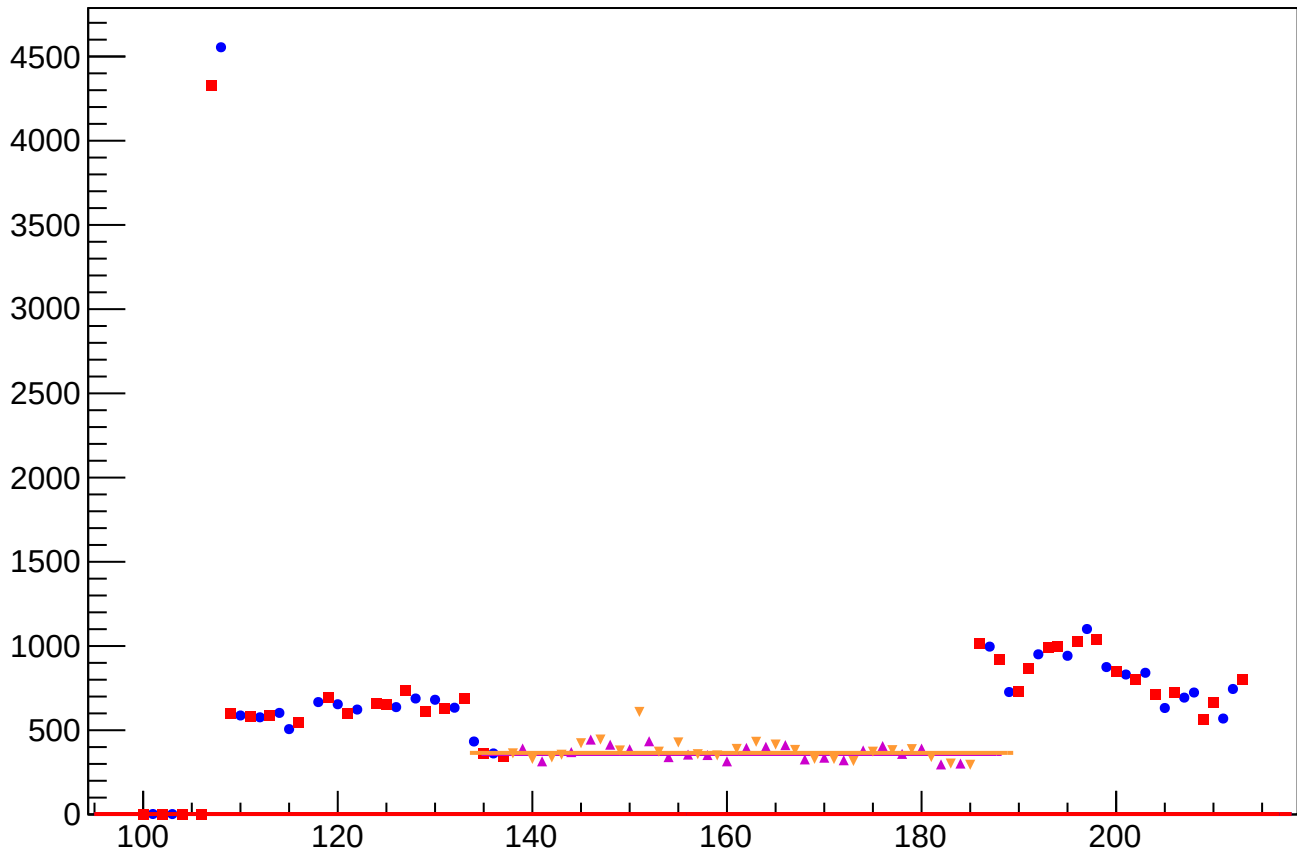
Left In: -129.738 ± 85.075 $\chi^2/\text{NDF}: 21.7/22$

+ sign -1.402 ± 2.170 $\chi^2/\text{NDF}: 94.2/53$

All: -1.442 ± 1.479 $\chi^2/\text{NDF}: 151.4/110$

- sign -1.477 ± 2.022 $\chi^2/\text{NDF}: 57.2/56$

asym_cav4bQ_rms vs Slug



Right In: 2.537 $\pm$ 0.002 χ^2 /NDF: 31606301.2/28

Left Out: 365.603 $\pm$ 0.060 χ^2 /NDF: 668124.0/24

Right Out: 2.519 $\pm$ 0.001 χ^2 /NDF: 34234295.4/33

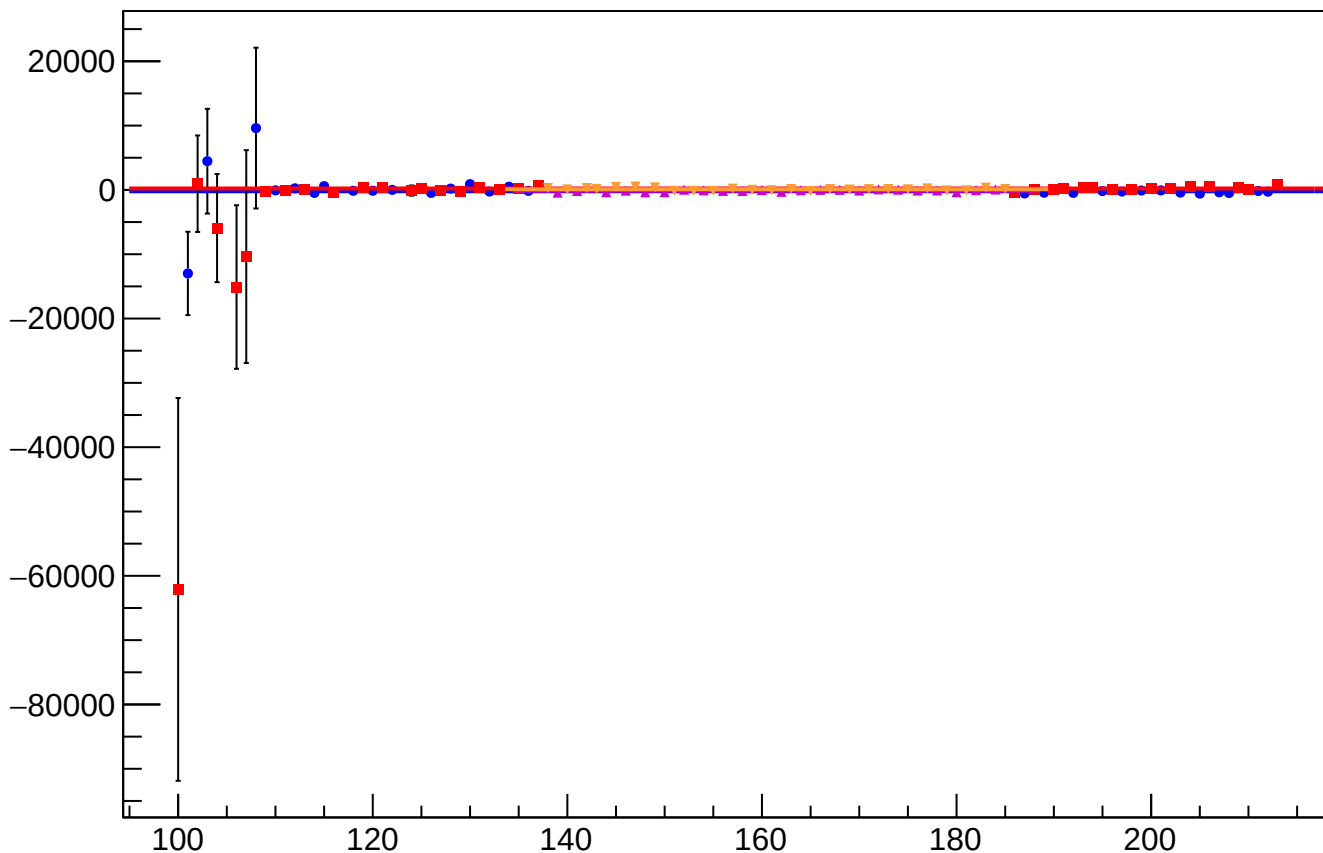
Left In: 359.024 $\pm$ 0.060 χ^2 /NDF: 446263.1/22

+ sign 2.778 $\pm$ 0.002 χ^2 /NDF: 69428931.5/53

All: 2.747 $\pm$ 0.001 χ^2 /NDF: 139210844.8/110

- sign 2.721 $\pm$ 0.001 χ^2 /NDF: 69781165.4/56

asym_cav4cQ_mean vs Slug



Right In: -210.663 ± 46.694 χ^2/NDF : 33.3/28

Left Out: 99.601 ± 48.250 χ^2/NDF : 12.7/24

Right Out: 220.106 ± 45.705 χ^2/NDF : 33.3/33

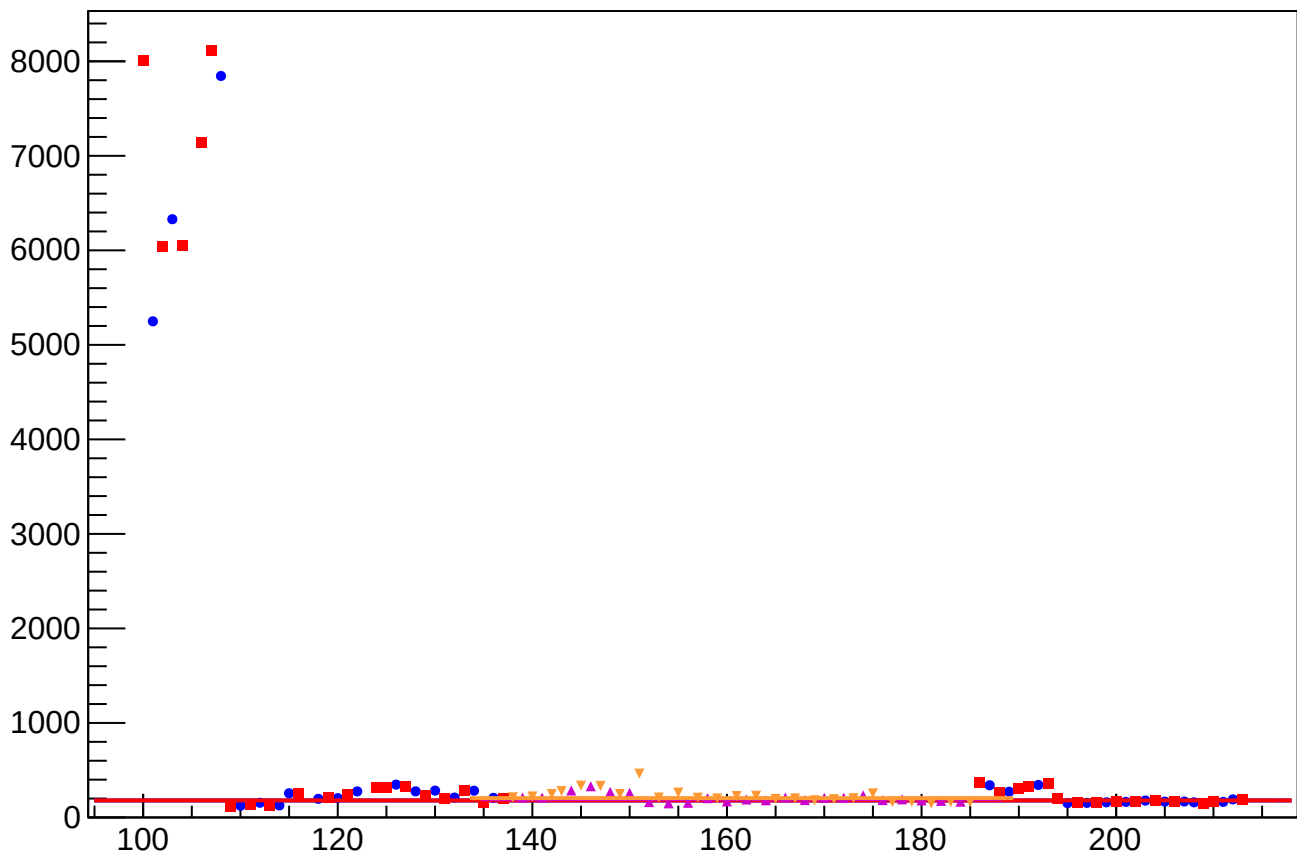
Left In: -119.345 ± 46.957 χ^2/NDF : 9.3/22

+ sign -60.616 ± 33.554 χ^2/NDF : 67.4/53

All: -1.427 ± 23.438 χ^2/NDF : 142.9/110

- sign 54.966 ± 32.752 χ^2/NDF : 69.4/56

asym_cav4cQ_rms vs Slug



Right In: 179.483 $\pm$ 0.033 χ^2 /NDF: 4894446.2/28

Left Out: 204.581 $\pm$ 0.034 χ^2 /NDF:1975114.7/24

Right Out: 180.366 $\pm$ 0.032 χ^2 /NDF: 5606690.0/33

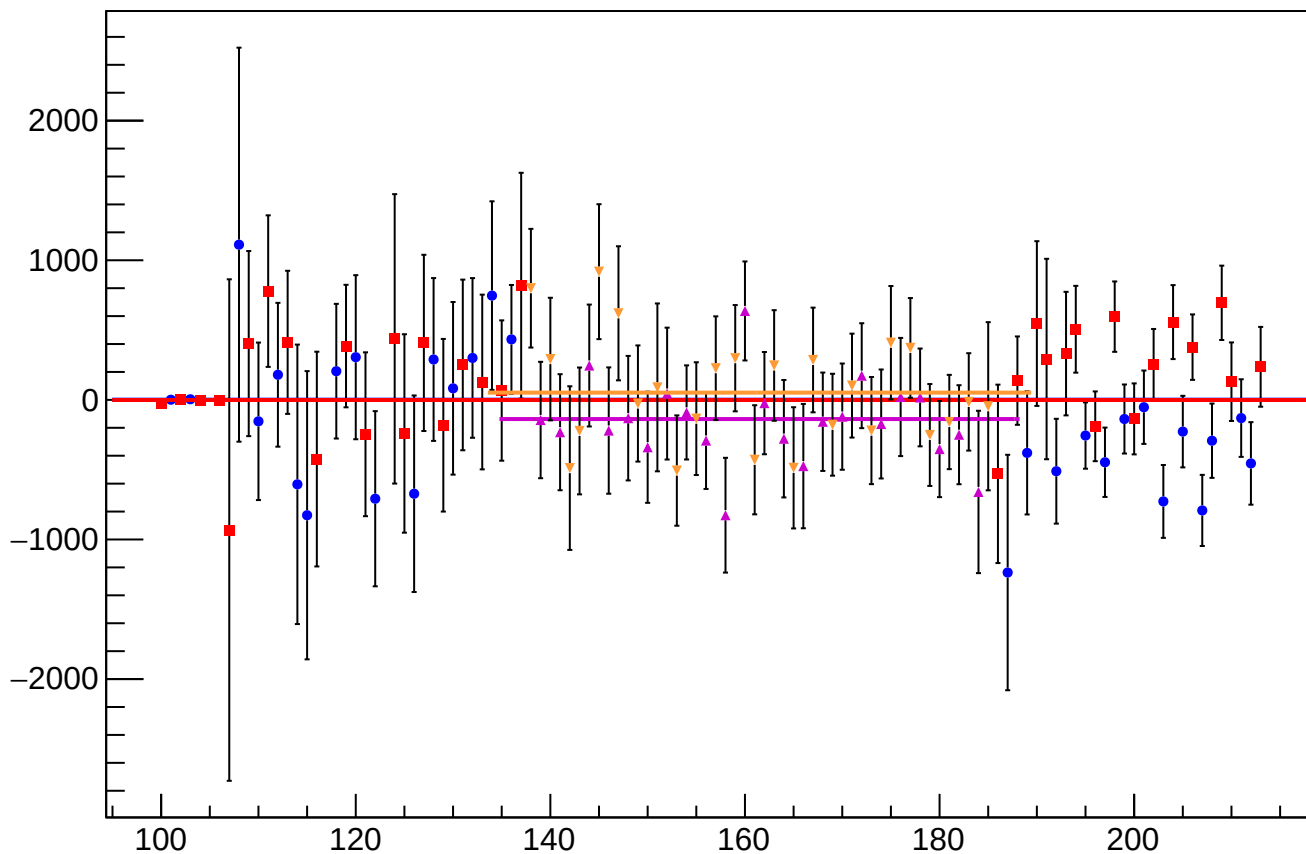
Left In: 193.895 $\pm$ 0.033 χ^2 /NDF:1191589.3/22

+ sign 191.621 $\pm$ 0.024 χ^2 /NDF: 7149013.1/53

All: 189.228 $\pm$ 0.017 χ^2 /NDF: 14052414.2/11

- sign 186.948 $\pm$ 0.023 χ^2 /NDF: 6883538.1/56

asym_cav4dQ_mean vs Slug



Right In: 1.291 ± 1.660 $\chi^2/\text{NDF}: 39.5/28$

Left Out: 51.829 ± 81.555 $\chi^2/\text{NDF}: 19.4/24$

Right Out: -0.985 ± 1.528 $\chi^2/\text{NDF}: 36.5/33$

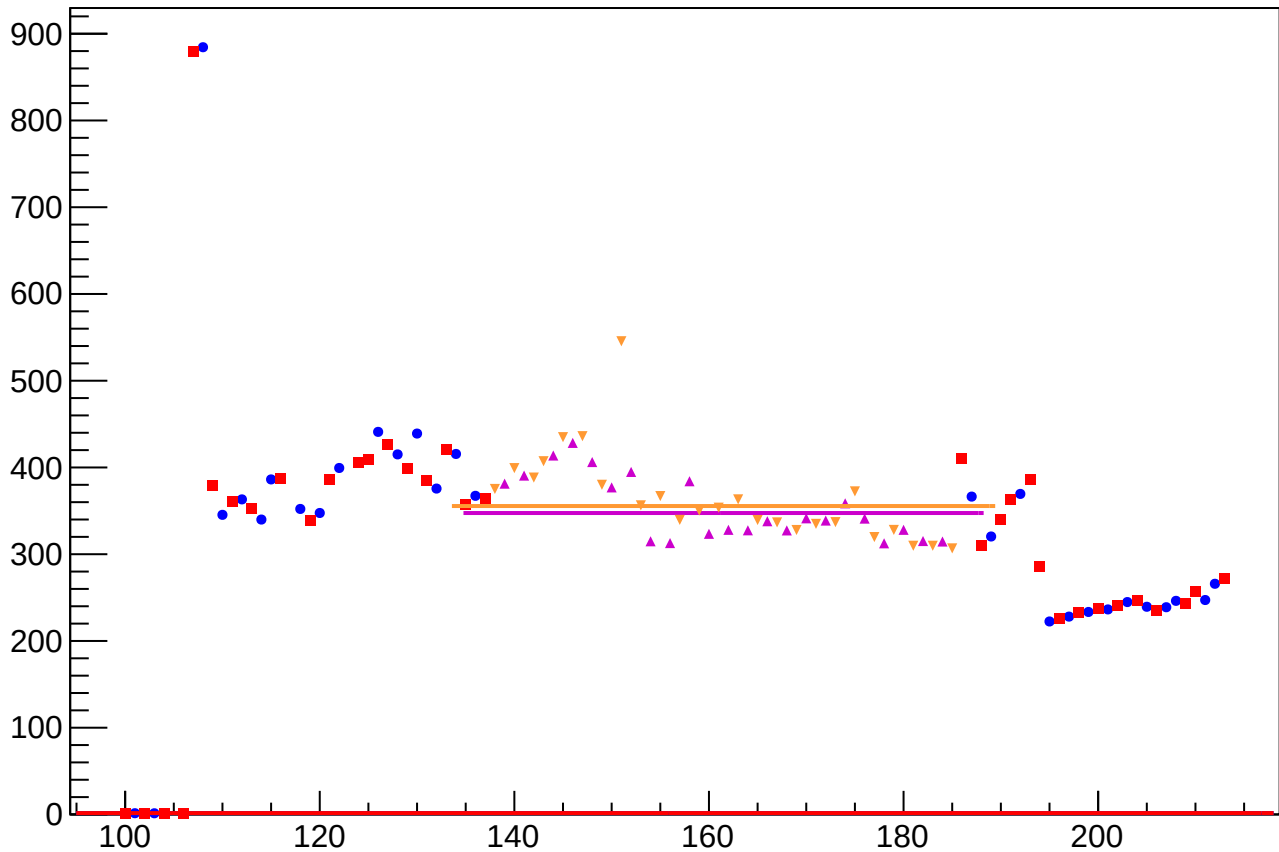
Left In: -137.399 ± 82.111 $\chi^2/\text{NDF}: 12.2/22$

+ sign 1.312 ± 1.660 $\chi^2/\text{NDF}: 59.4/53$

All: 0.043 ± 1.124 $\chi^2/\text{NDF}: 111.9/110$

- sign -1.032 ± 1.527 $\chi^2/\text{NDF}: 51.5/56$

asym_cav4dQ_rms vs Slug



Right In: 1.581+/-0.001 χ^2/NDF : 31880992.4/28

Left Out: 355.535+/-0.058 χ^2/NDF : 528878.5/24

Right Out: 1.567+/-0.001 χ^2/NDF : 33930597.1/33

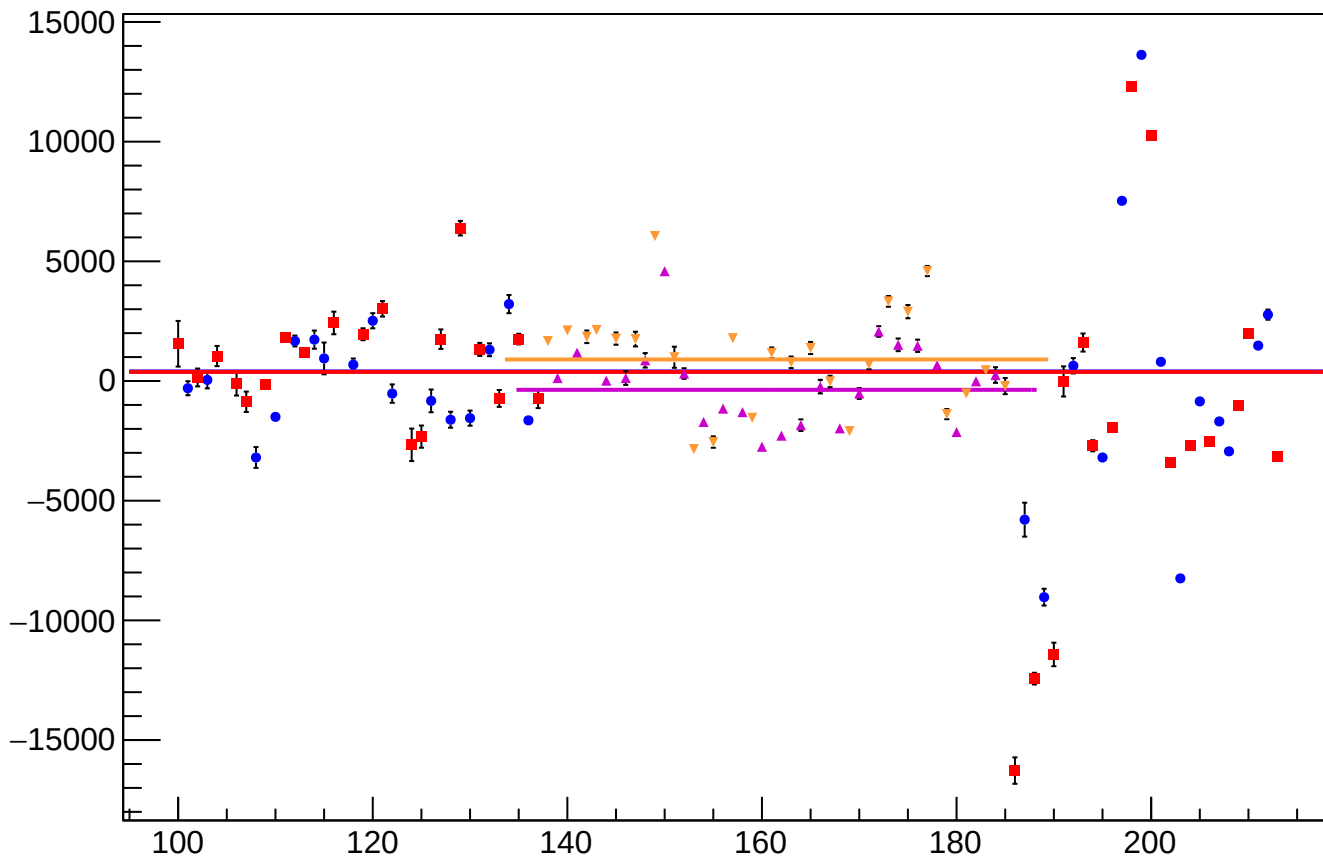
Left In: 347.484+/-0.058 χ^2/NDF : 344530.3/22

+ sign 1.727+/-0.001 χ^2/NDF : 70066765.1/53

All: 1.705+/-0.001 χ^2/NDF : 139825553.5/110

- sign 1.687+/-0.001 χ^2/NDF : 69758156.1/56

asym_bcm0l02_mean vs Slug



Right In: 398.503 $\pm$ 44.784 χ^2 /NDF: 12007.1/28

Left Out: 901.476 $\pm$ 44.481 χ^2 /NDF:2411.0/24

Right Out: 382.331 $\pm$ 43.135 χ^2 /NDF: 14211.8/33

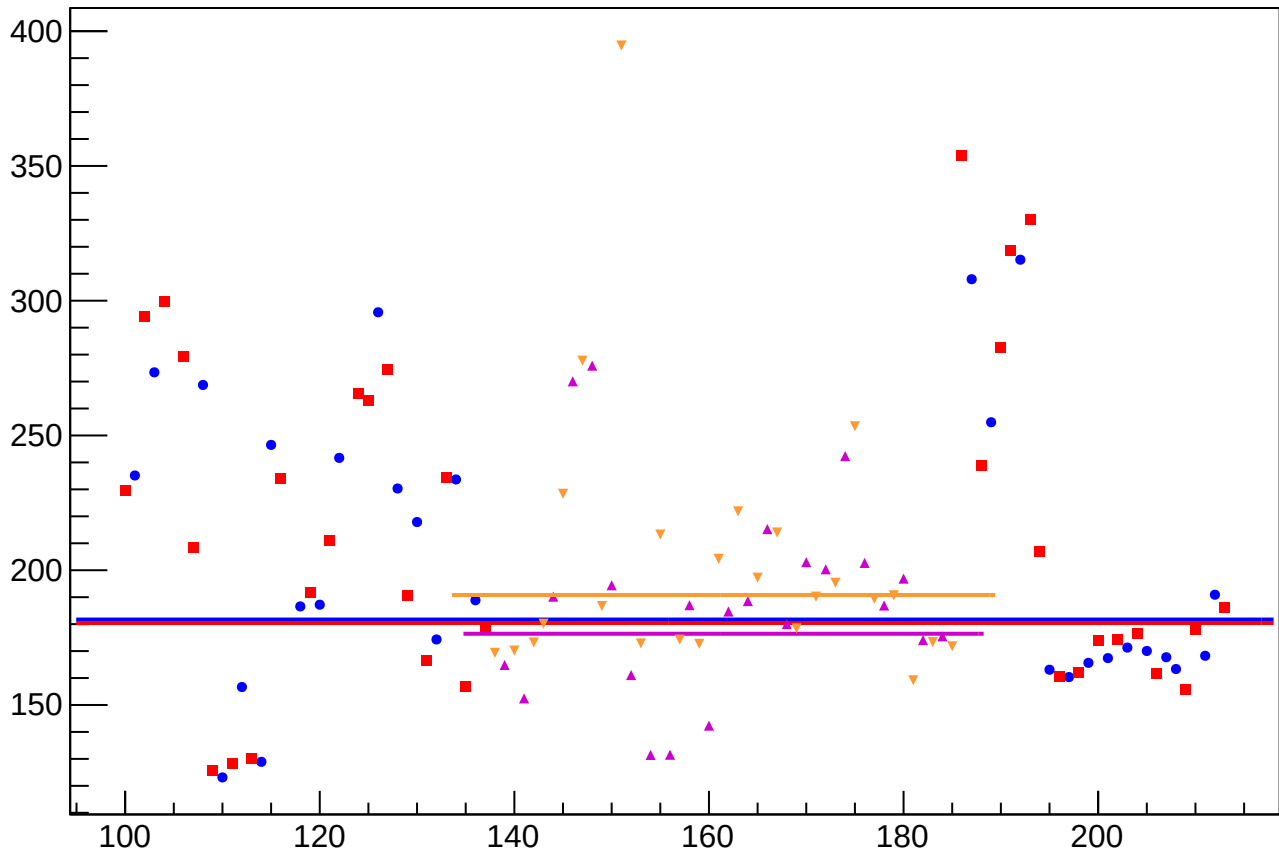
Left In: -368.252 $\pm$ 42.700 χ^2 /NDF:1593.0/22

+ sign 651.694 $\pm$ 31.559 χ^2 /NDF: 14481.6/53

All: 314.758 $\pm$ 21.874 χ^2 /NDF: 30658.7/110

- sign 3.233 $\pm$ 30.346 χ^2 /NDF: 15957.8/56

asym_bcm0l02_rms vs Slug



Right In: 181.703 $\pm$ 0.032 χ^2 /NDF: 1443037.2/28

Left Out: 190.801 $\pm$ 0.031 χ^2 /NDF:1019598.1/24

Right Out: 180.416 $\pm$ 0.031 χ^2 /NDF: 2187551.5/33

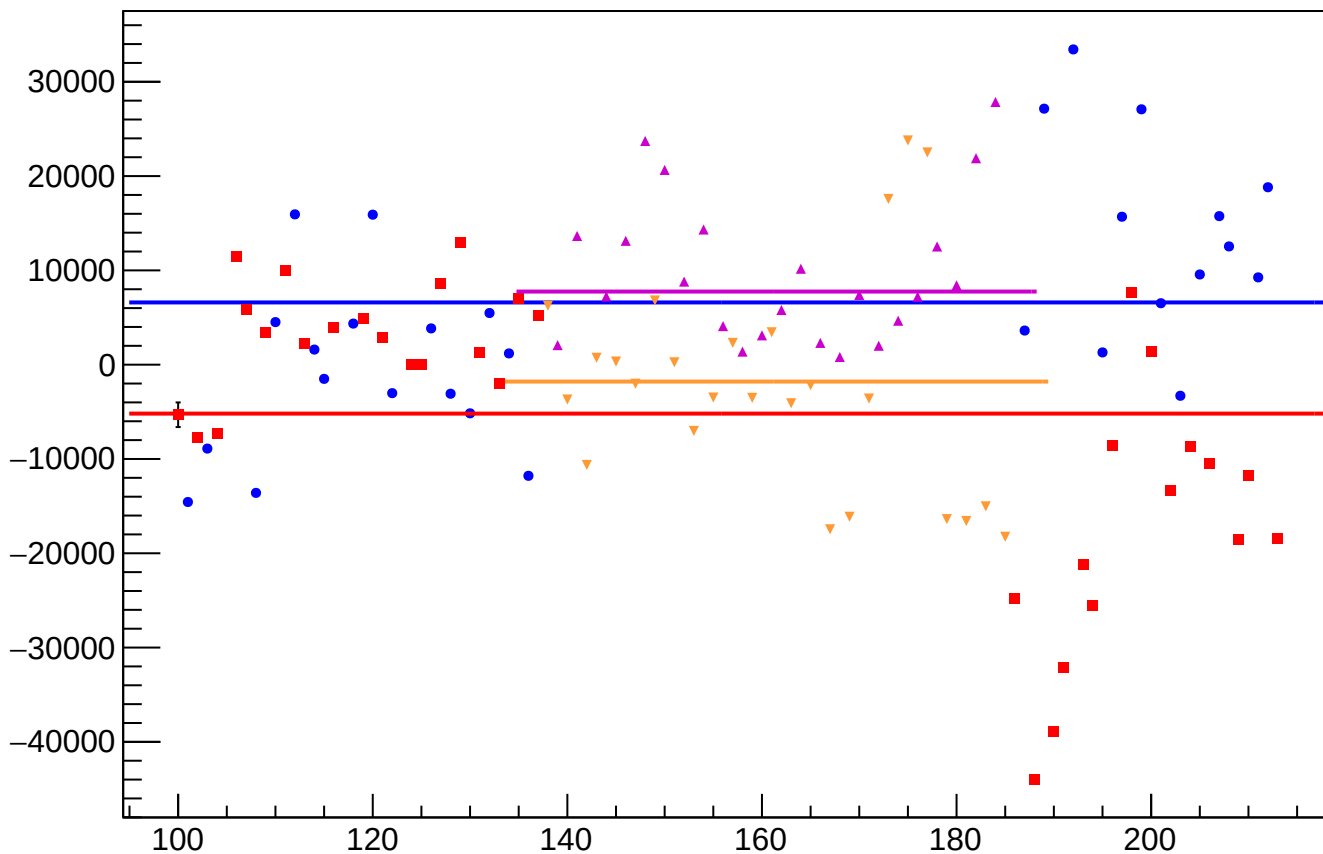
Left In: 176.431 $\pm$ 0.030 χ^2 /NDF:1257661.0/22

+ sign 186.283 $\pm$ 0.022 χ^2 /NDF: 2504186.4/53

All: 182.189 $\pm$ 0.015 χ^2 /NDF: 6022796.0/110

- sign 178.404 $\pm$ 0.021 χ^2 /NDF: 3453833.5/56

asym_bpm0i02WS_mean vs Slug



Right In: 6600.804 $\pm$ 39.667 χ^2 /NDF: 96693.6/28

Left Out: -1790.289 $\pm$ 40.910 χ^2 /NDF: 65745.9/24

+ sign 2534.688 $\pm$ 28.478 χ^2 /NDF: 184123.7/53

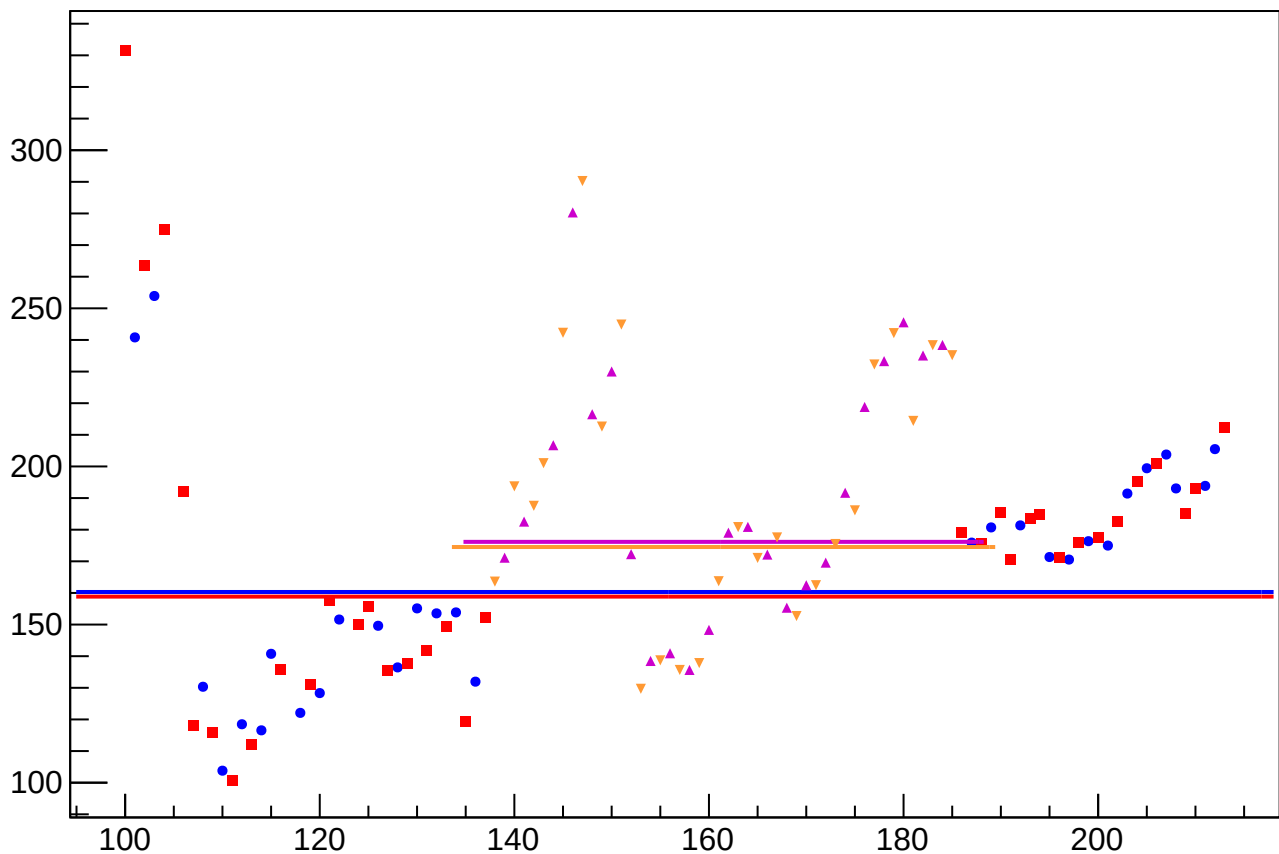
Right Out: -5188.560 $\pm$ 37.692 χ^2 /NDF: 147009.7/33

All: 1507.613 $\pm$ 20.045 χ^2 /NDF: 408806.0/11

Left In: 7754.468 $\pm$ 42.571 χ^2 /NDF: 23278.0/22

- sign 499.043 $\pm$ 28.220 χ^2 /NDF: 222104.3/56

asym_bpm0i02WS_rms vs Slug



Right In: 160.303+/-0.028 χ^2/NDF : 1424642.9/28

Left Out: 174.520+/-0.029 χ^2/NDF :1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF : 1829890.9/33

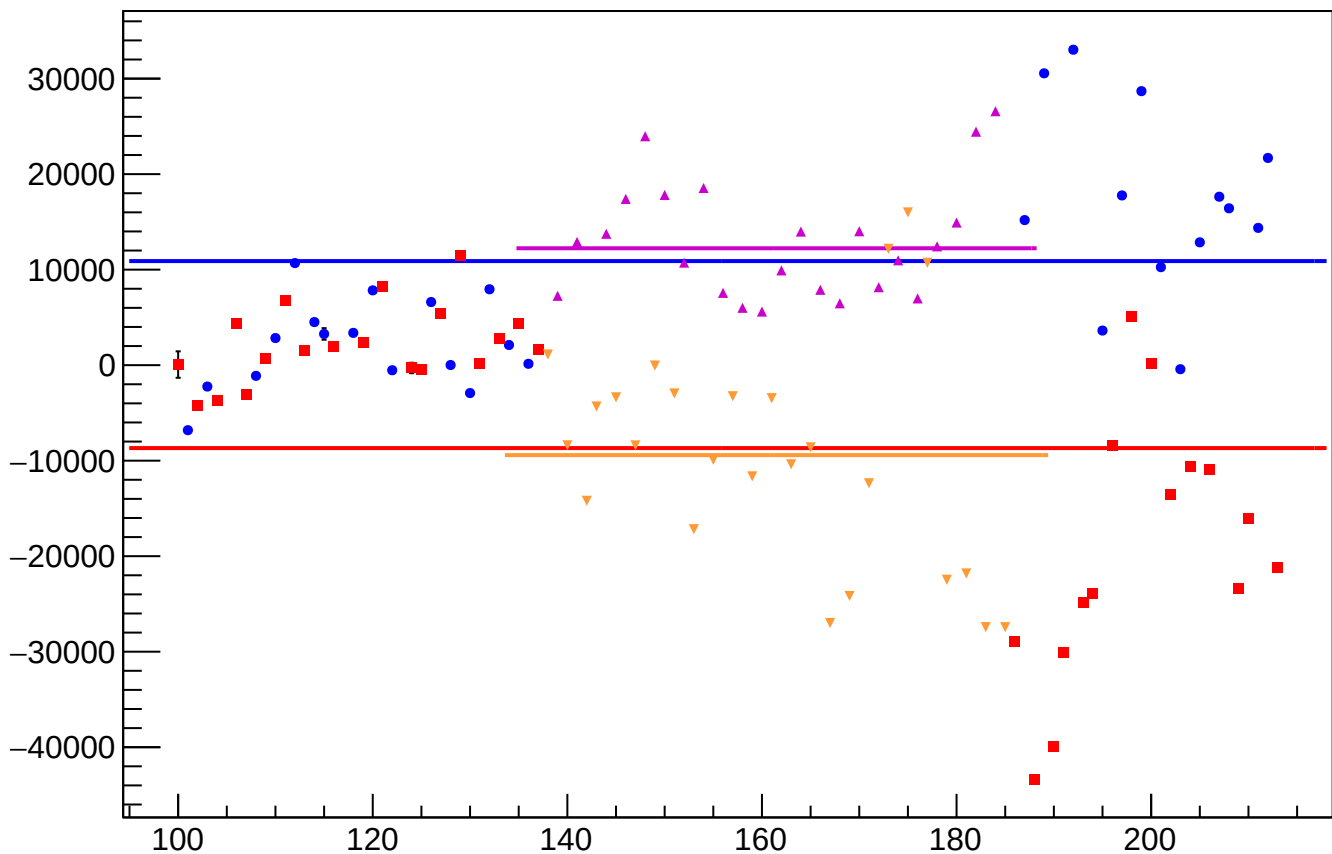
Left In: 176.155+/-0.030 χ^2/NDF :1367059.2/22

+ sign 167.192+/-0.020 χ^2/NDF : 3208616.3/53

All: 166.818+/-0.014 χ^2/NDF : 6591646.1/110

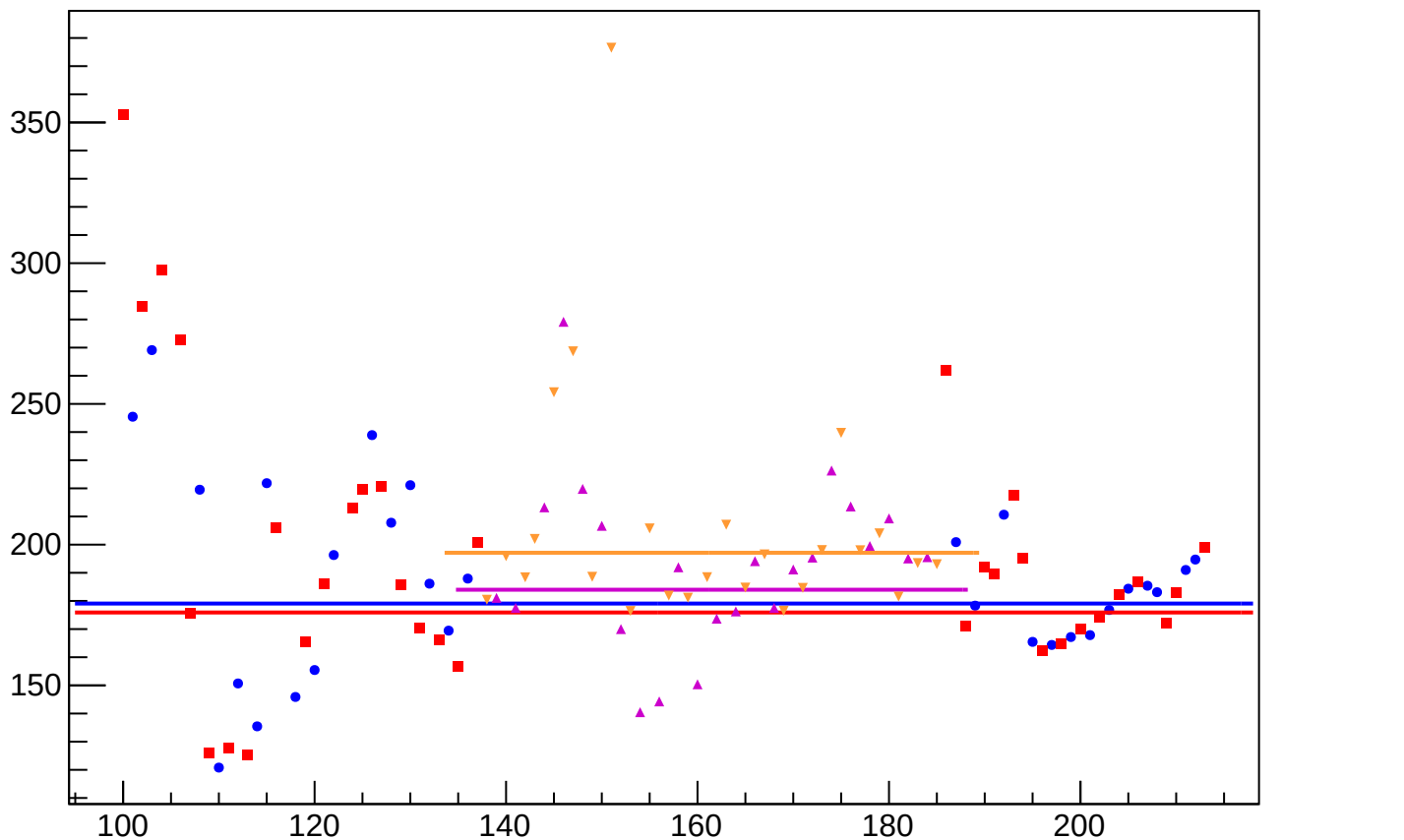
- sign 166.450+/-0.020 χ^2/NDF : 3382344.4/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10896.848+/-43.738	χ^2/NDF : 56802.1/28	+ sign 1183.366+/-31.598	χ^2/NDF : 224682.9/53
Left Out: -9420.181+/-45.698	χ^2/NDF : 64719.0/24	All: 1131.163+/-21.830	χ^2/NDF : 478522.0/11
Right Out: -8681.920+/-41.350	χ^2/NDF : 118335.7/33	- sign 1083.493+/-30.195	χ^2/NDF : 253833.9/56
Left In: 12238.678+/-44.195	χ^2/NDF : 16015.8/22		

asym_bpm0i02aWS_rms vs Slug



Right In: 179.071 ± 0.031 $\chi^2/\text{NDF}: 785269.5/28$

Left Out: 197.122 ± 0.032 $\chi^2/\text{NDF}: 732529.8/24$

Right Out: 175.898 ± 0.029 $\chi^2/\text{NDF}: 1235363.8/33$

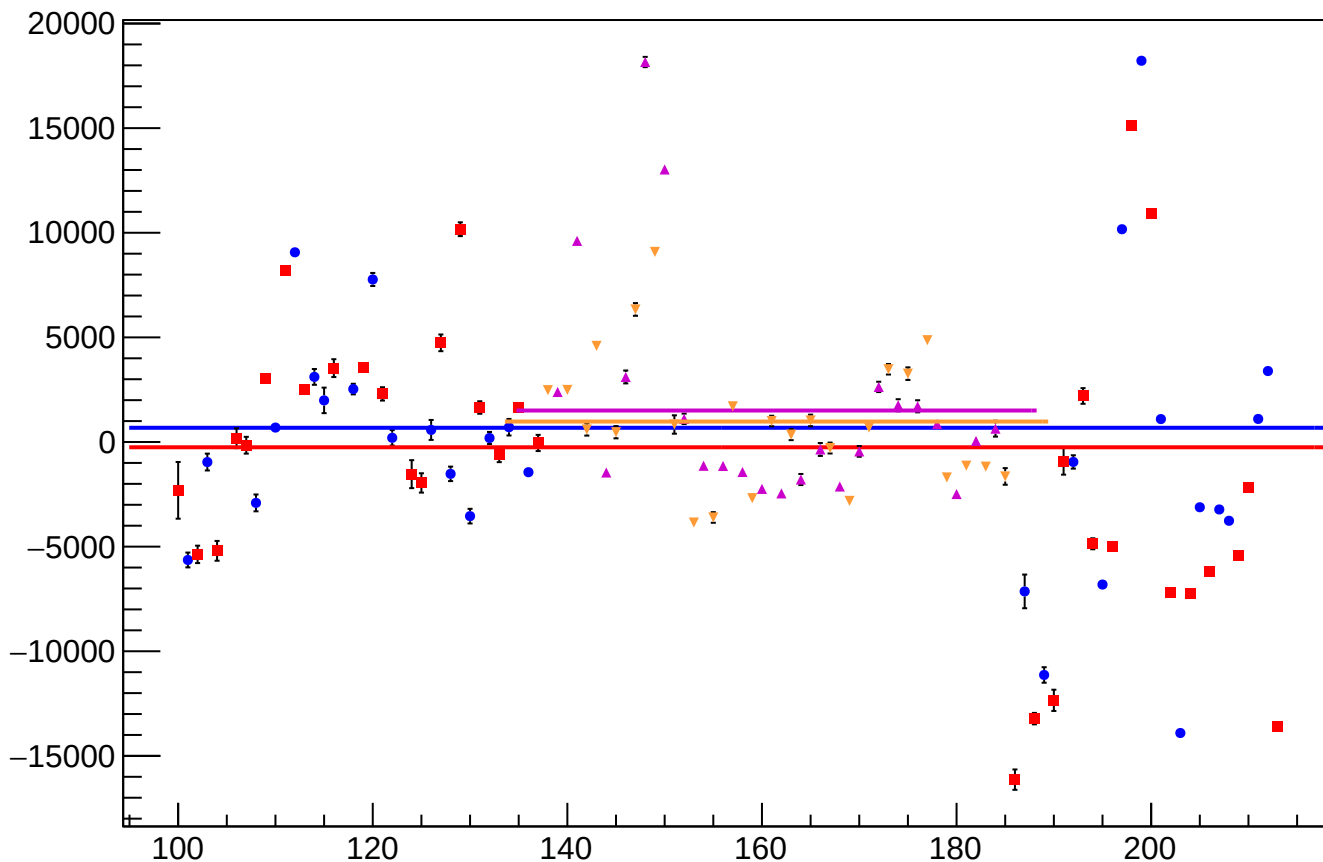
Left In: 183.985 ± 0.031 $\chi^2/\text{NDF}: 829778.1/22$

+ sign 187.701 ± 0.022 $\chi^2/\text{NDF}: 1680671.3/53$

All: 183.505 ± 0.015 $\chi^2/\text{NDF}: 3849015.6/110$

- sign 179.673 ± 0.021 $\chi^2/\text{NDF}: 2100856.6/56$

asym_bpm0i05WS_mean vs Slug



Right In: 680.062 $\pm$ 49.114 χ^2 /NDF: 21595.6/28

Left Out: 978.429 $\pm$ 49.607 χ^2 /NDF:4322.9/24

Right Out: -251.866 $\pm$ 46.515 χ^2 /NDF: 25350.0/33

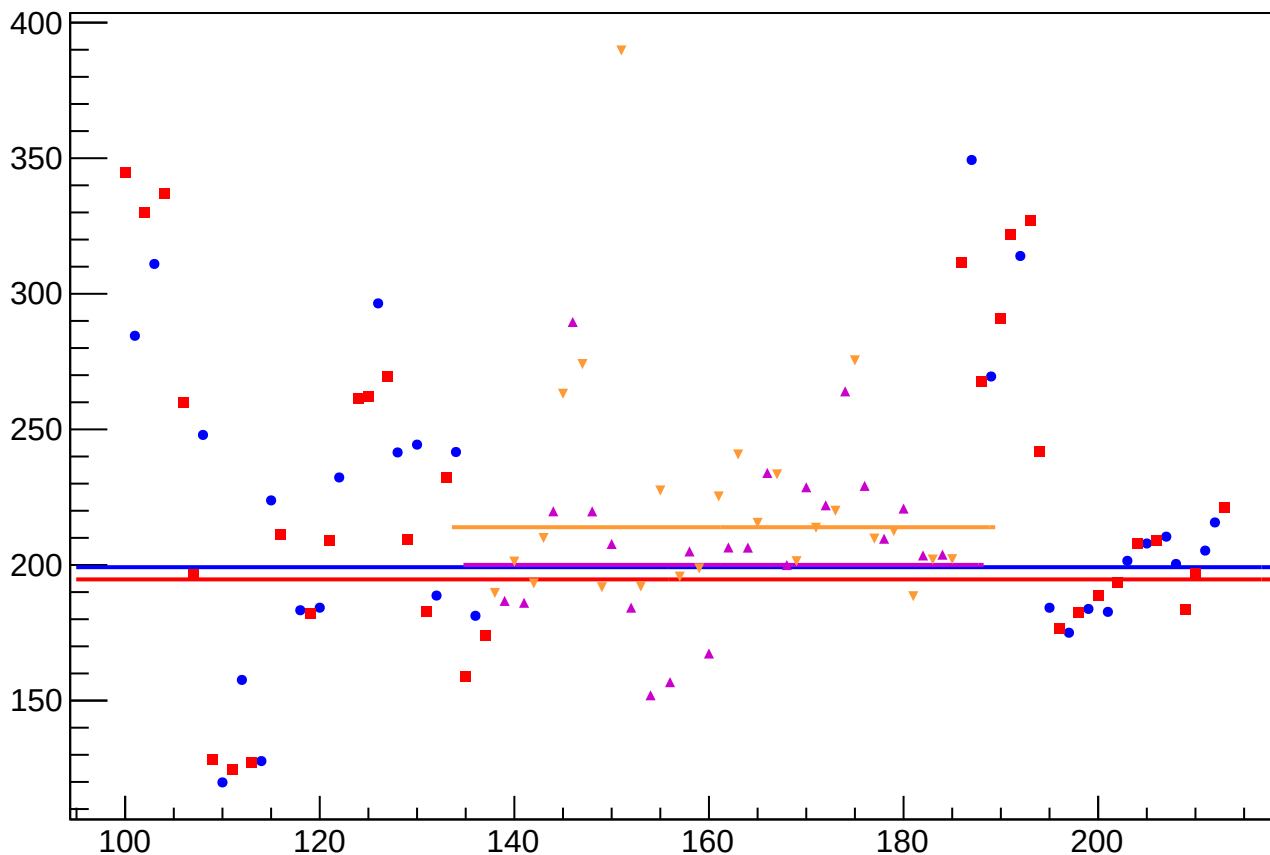
Left In: 1505.093 $\pm$ 48.051 χ^2 /NDF:11480.6/22

+ sign 827.755 $\pm$ 34.902 χ^2 /NDF: 25936.8/53

All: 707.951 $\pm$ 24.139 χ^2 /NDF: 63480.2/110

- sign 598.096 $\pm$ 33.421 χ^2 /NDF: 37520.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 199.191 $\pm$ 0.035 χ^2 /NDF: 1463424.2/28

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 194.688 $\pm$ 0.033 χ^2 /NDF: 2286943.6/33

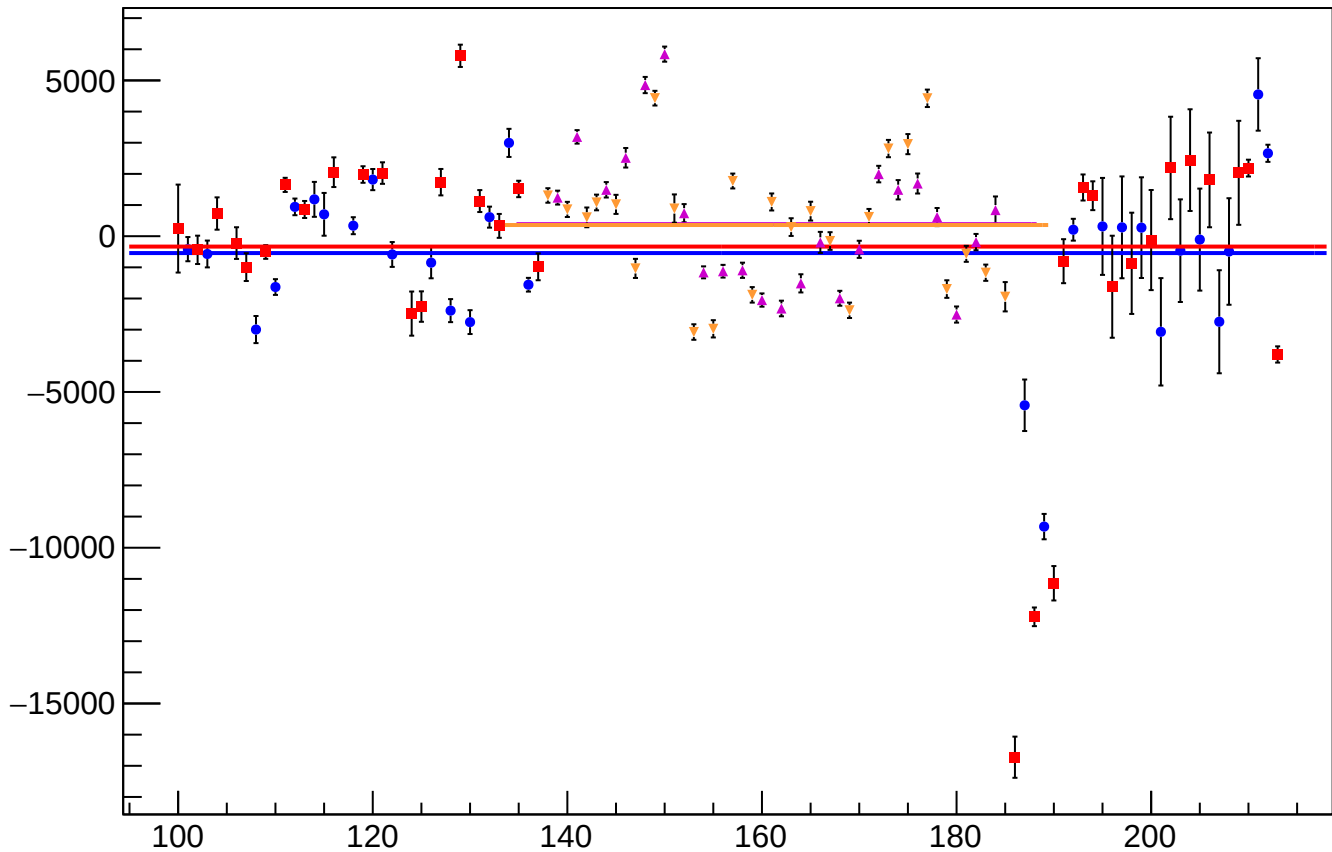
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 206.487 $\pm$ 0.025 χ^2 /NDF: 2286237.4/53

All: 201.680 $\pm$ 0.017 χ^2 /NDF: 5444193.5/110

- sign 197.273 $\pm$ 0.024 χ^2 /NDF: 3085231.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -541.554 ± 77.693 $\chi^2/\text{NDF}: 970.1/28$

Left Out: 358.680 ± 54.992 $\chi^2/\text{NDF}: 1418.9/24$

Right Out: -333.443 ± 68.540 $\chi^2/\text{NDF}: 3542.8/33$

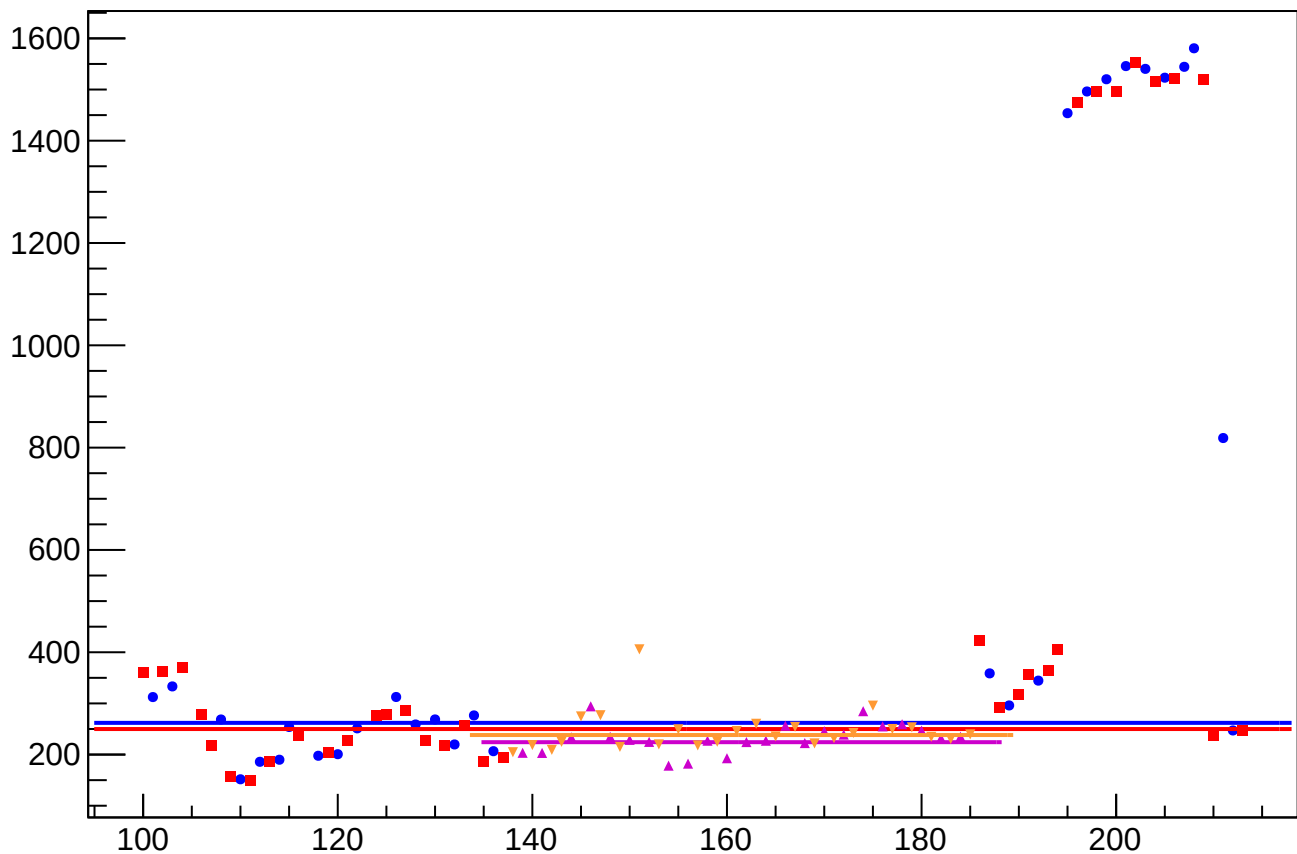
Left In: 386.941 ± 53.528 $\chi^2/\text{NDF}: 1804.2/22$

+ sign 58.209 ± 44.886 $\chi^2/\text{NDF}: 2478.4/53$

All: 87.843 ± 30.741 $\chi^2/\text{NDF}: 7894.8/110$

- sign 114.021 ± 42.187 $\chi^2/\text{NDF}: 5415.6/56$

asym_bpm0i07WS_rms vs Slug



Right In: 261.988 $\pm$ 0.055 χ^2 /NDF: 11058982.0/28

Left Out: 238.199 $\pm$ 0.039 χ^2 /NDF: 567935.3/24

Right Out: 249.916 $\pm$ 0.048 χ^2 /NDF: 10529954.1/33

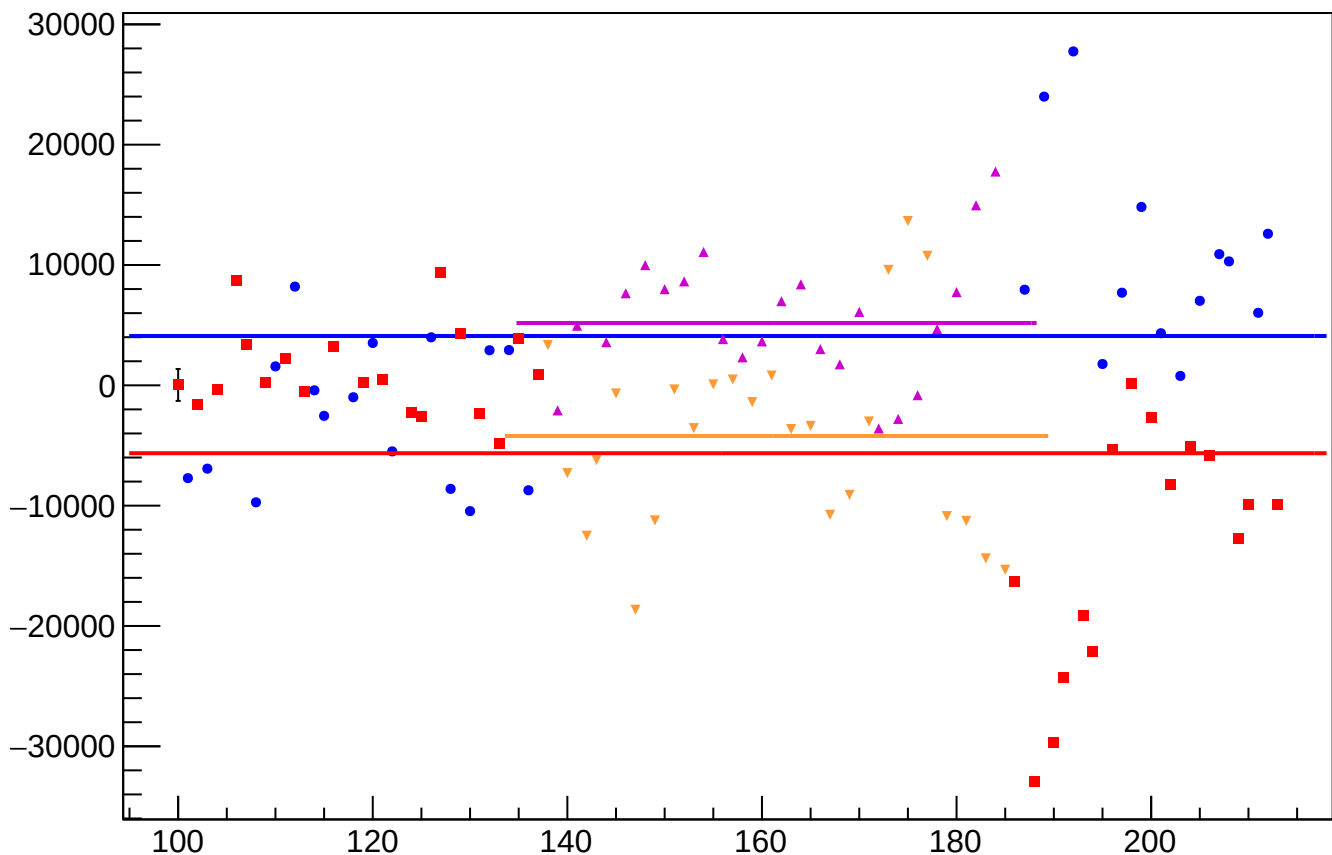
Left In: 224.212 $\pm$ 0.038 χ^2 /NDF: 563231.1/22

+ sign 246.139 $\pm$ 0.032 χ^2 /NDF: 11751839.2/53

All: 239.667 $\pm$ 0.022 χ^2 /NDF: 23098053.7/11

- sign 233.950 $\pm$ 0.030 χ^2 /NDF: 11267900.8/56

asym_bpm1i02WS_mean vs Slug



Right In: 4100.326+/-33.677 χ^2/NDF : 81474.4/28

Left Out: -4210.601+/-30.828 χ^2/NDF : 56802.7/24

Right Out: -5643.449+/-31.831 χ^2/NDF : 105828.2/33

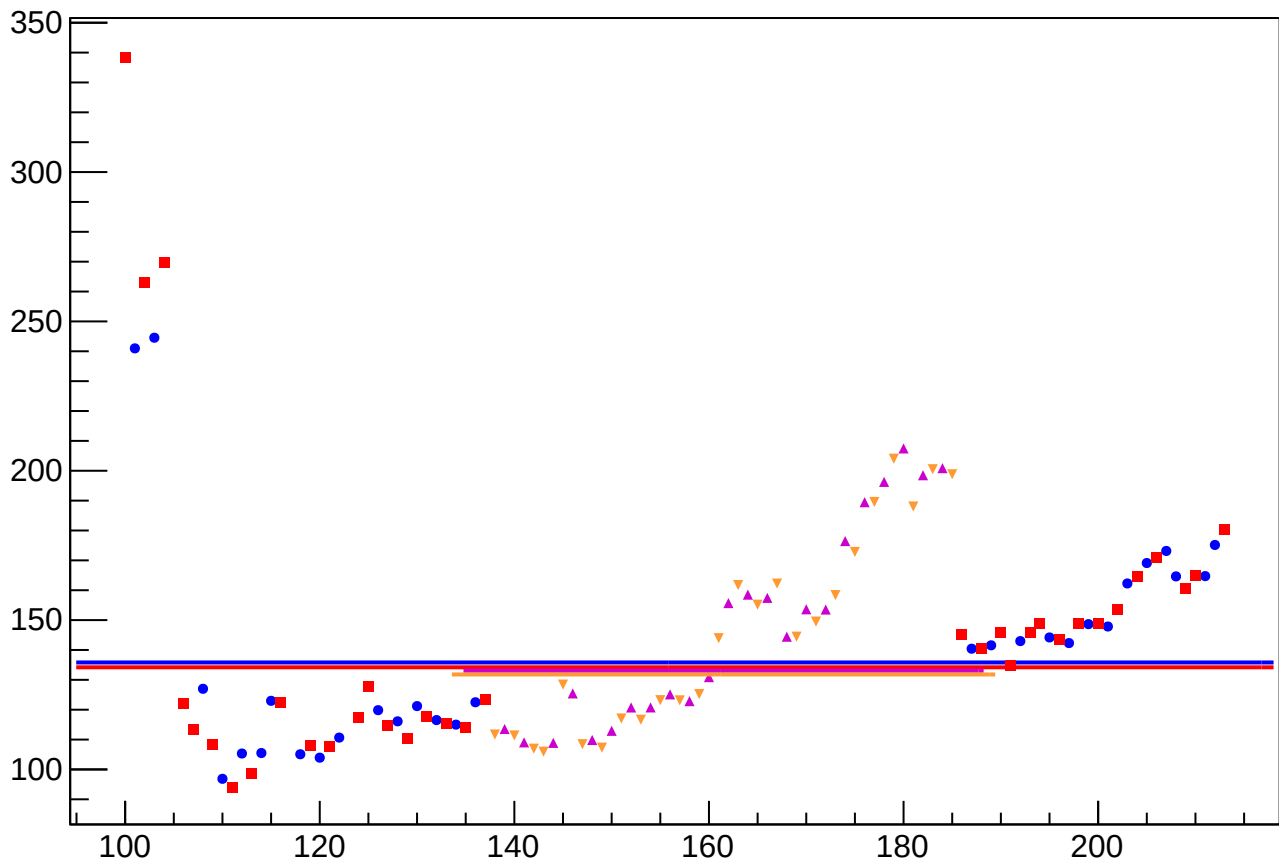
Left In: 5178.213+/-31.969 χ^2/NDF : 18541.3/22

+ sign -421.513+/-22.740 χ^2/NDF : 171412.0/53

All: -338.118+/-16.014 χ^2/NDF : 353348.0/11

- sign -256.059+/-22.557 χ^2/NDF : 181909.4/56

asym_bpm1i02WS_rms vs Slug



Right In: 135.813+/-0.024 χ^2/NDF : 1424192.0/28

Left Out: 131.798+/-0.022 χ^2/NDF :1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF : 1687957.6/33

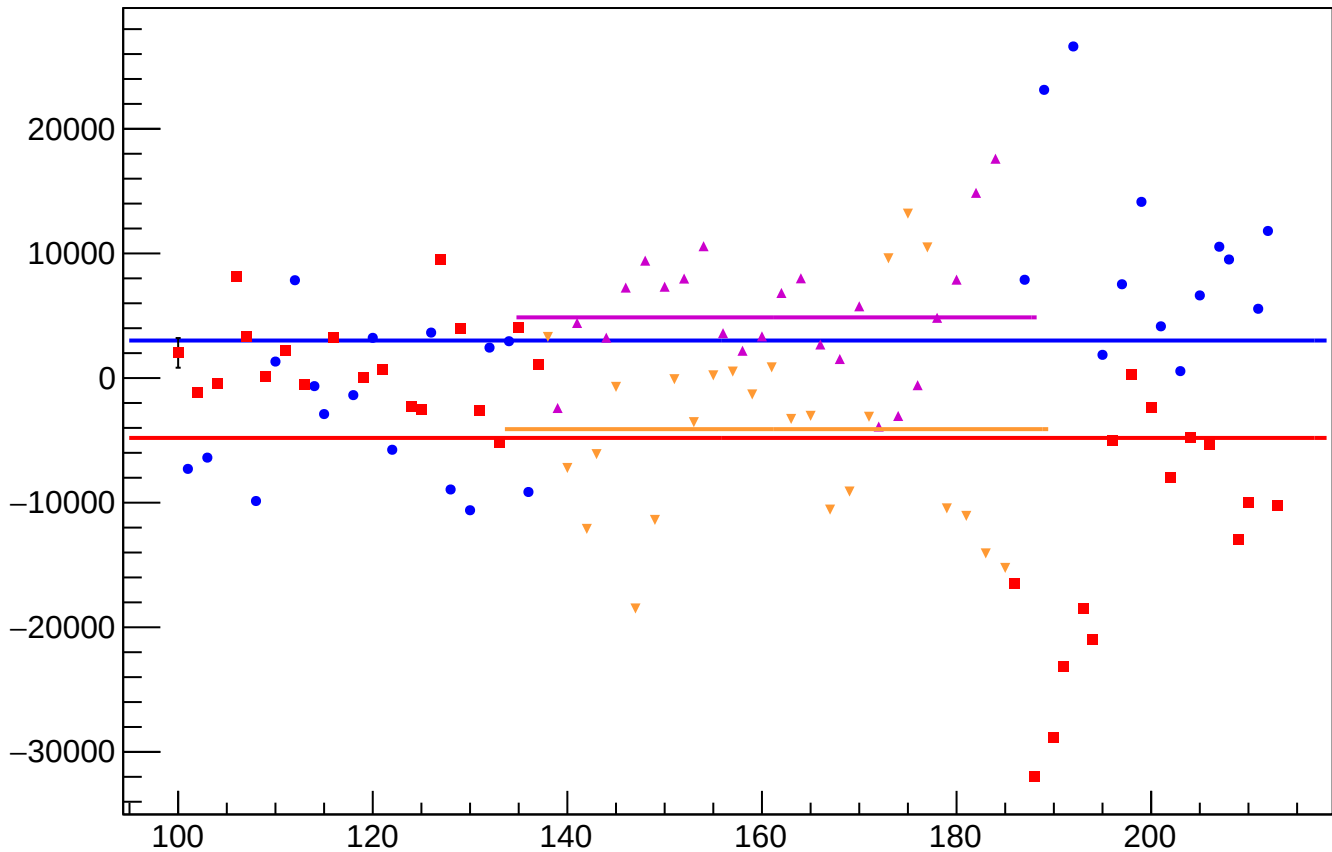
Left In: 133.061+/-0.023 χ^2/NDF :1418252.2/22

+ sign 133.628+/-0.016 χ^2/NDF : 2984001.6/53

All: 133.629+/-0.011 χ^2/NDF : 6091471.6/110

- sign 133.630+/-0.016 χ^2/NDF : 3107470.0/56

asym_bpm2i01WS_mean vs Slug



Right In: 3011.911 ± 30.919 $\chi^2/\text{NDF}: 89572.6/28$

Left Out: -4098.897 ± 27.771 $\chi^2/\text{NDF}: 66271.3/24$

+ sign -923.696 ± 20.661 $\chi^2/\text{NDF}: 185118.7/53$

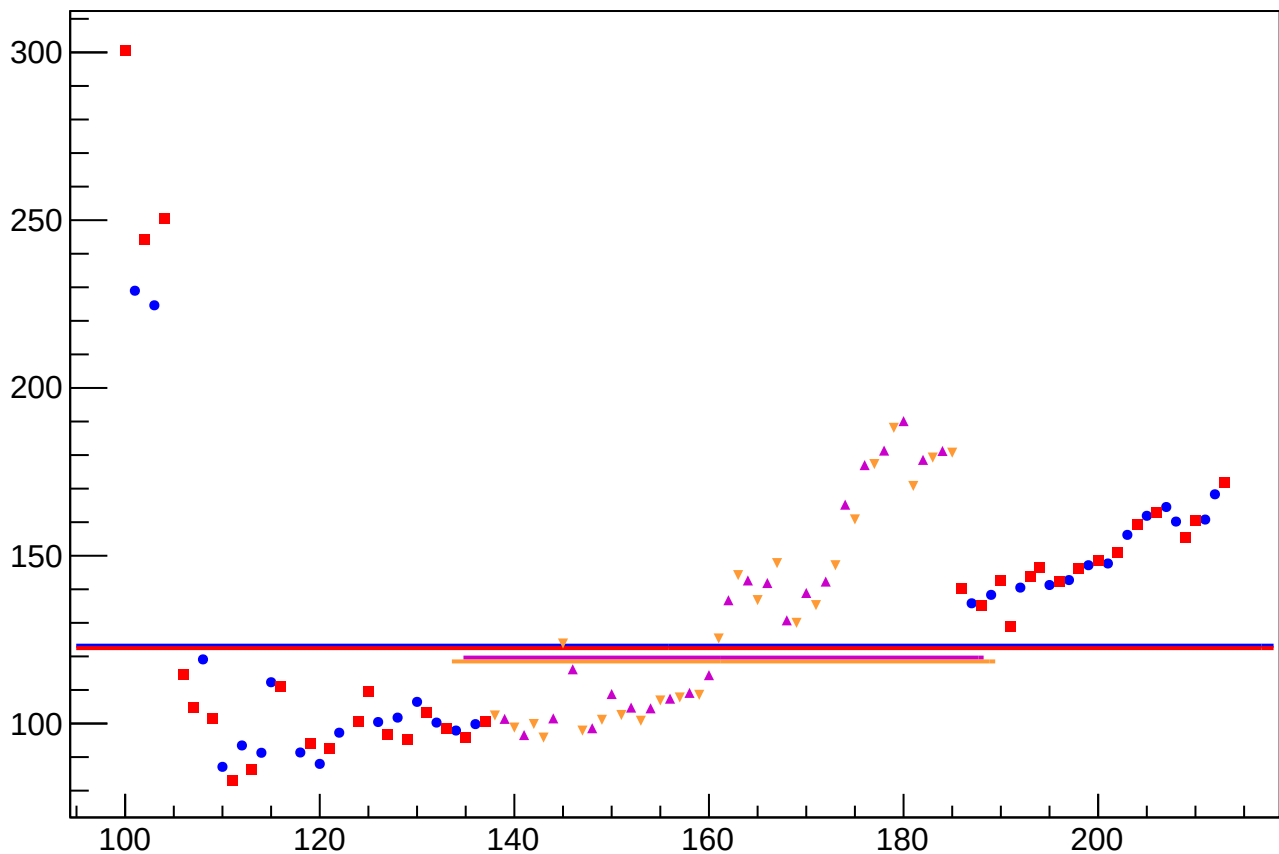
Right Out: -4804.149 ± 29.381 $\chi^2/\text{NDF}: 113059.9/33$

All: -395.592 ± 14.577 $\chi^2/\text{NDF}: 376664.3/11$

Left In: 4869.740 ± 28.809 $\chi^2/\text{NDF}: 21913.6/22$

- sign 127.895 ± 20.570 $\chi^2/\text{NDF}: 190244.6/56$

asym_bpm2i01WS_rms vs Slug



Right In: 123.196 $\pm$ 0.022 χ^2 /NDF: 2111451.8/28

Left Out: 118.502 $\pm$ 0.020 χ^2 /NDF:1627138.9/24

Right Out: 122.471 $\pm$ 0.021 χ^2 /NDF: 2377701.0/33

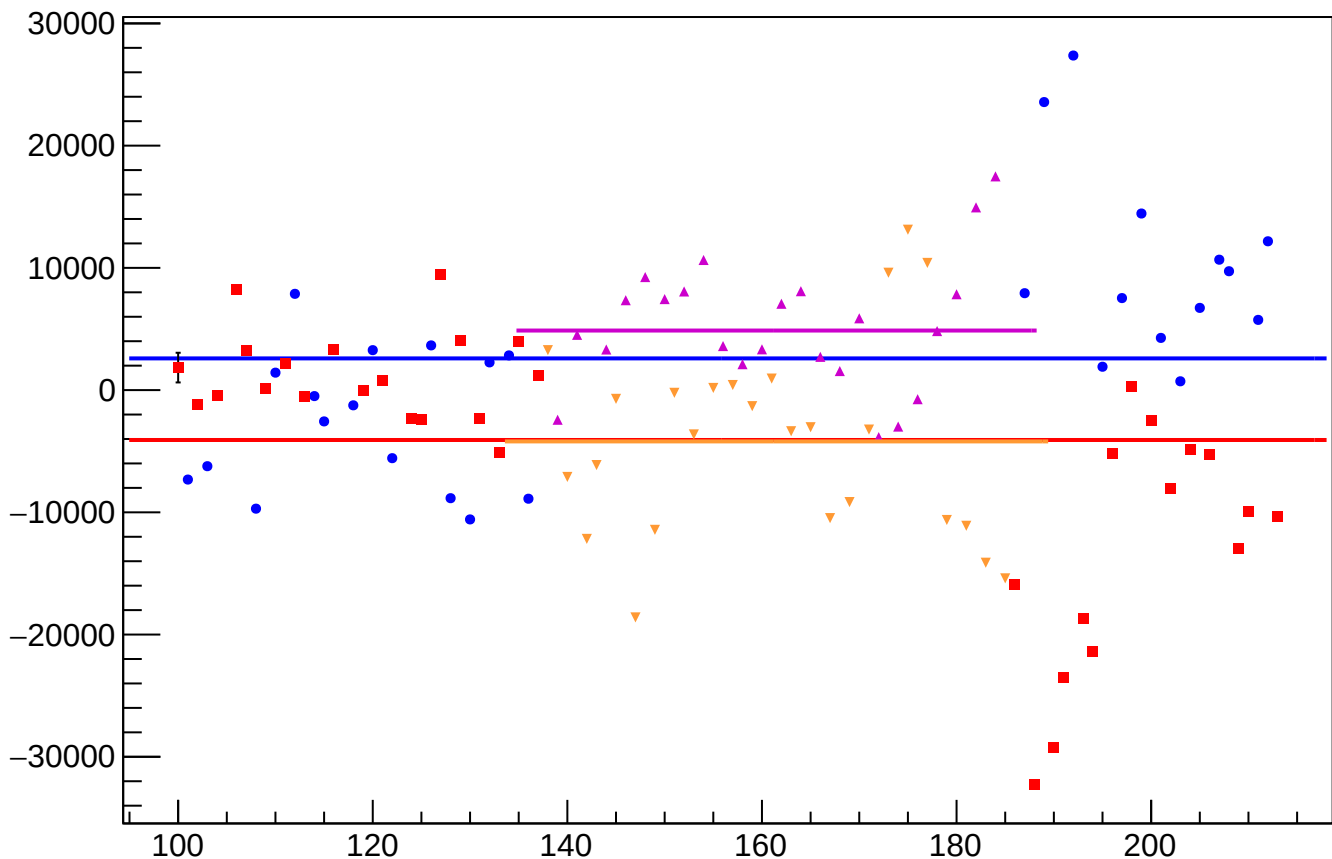
Left In: 119.645 $\pm$ 0.020 χ^2 /NDF:1512380.5/22

+ sign 120.598 $\pm$ 0.015 χ^2 /NDF: 3764108.8/53

All: 120.815 $\pm$ 0.010 χ^2 /NDF: 7664061.6/110

- sign 121.030 $\pm$ 0.015 χ^2 /NDF: 3899513.5/56

asym_bpm2i02WS_mean vs Slug



Right In: 2593.154+/-30.651 χ^2/NDF : 88785.3/28

Left Out: -4197.414+/-27.211 χ^2/NDF : 70415.4/24

Right Out: -4081.764+/-29.161 χ^2/NDF : 106899.8/33

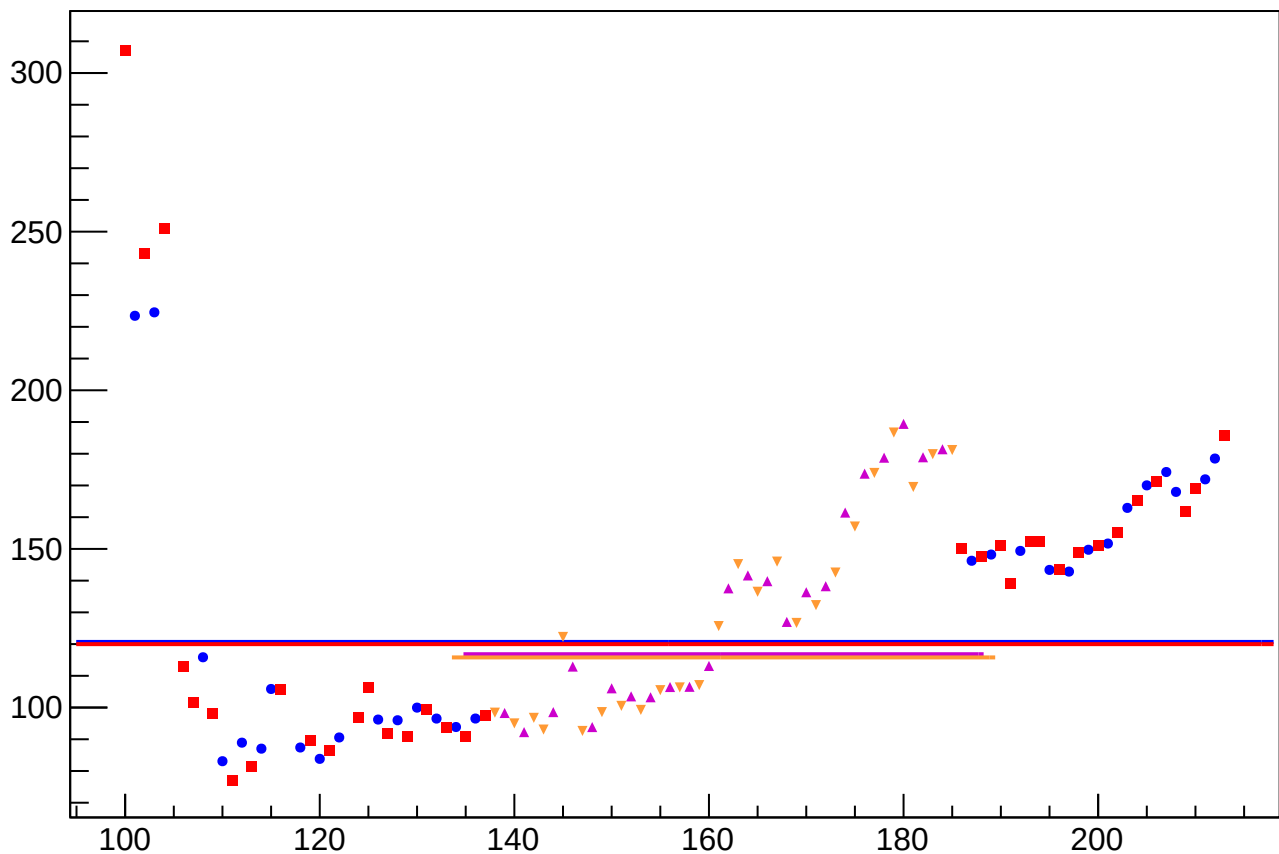
Left In: 4873.124+/-28.200 χ^2/NDF : 22923.8/22

+ sign -1204.467+/-20.349 χ^2/NDF : 186649.6/53

All: -326.106+/-14.362 χ^2/NDF : 368915.0/111

- sign 545.599+/-20.272 χ^2/NDF : 178553.1/56

asym_bpm2i02WS_rms vs Slug



Right In: 120.681 $\pm$ 0.022 χ^2 /NDF: 2758345.4/28

Left Out: 115.798 $\pm$ 0.019 χ^2 /NDF:1749021.2/24

Right Out: 119.983 $\pm$ 0.021 χ^2 /NDF: 3174600.7/33

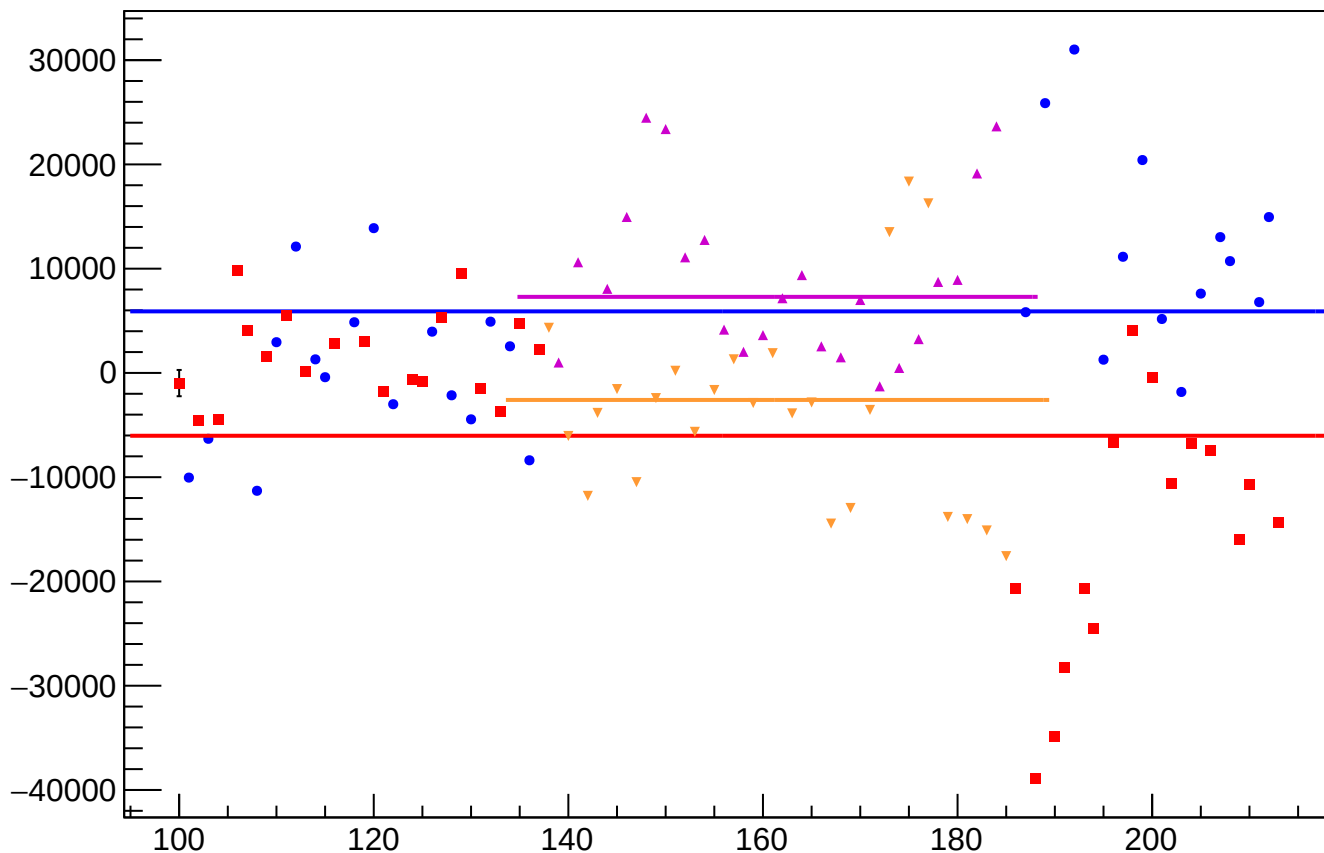
Left In: 116.808 $\pm$ 0.020 χ^2 /NDF:1617645.9/22

+ sign 117.950 $\pm$ 0.014 χ^2 /NDF: 4535755.0/53

All: 118.147 $\pm$ 0.010 χ^2 /NDF: 9340626.6/110

- sign 118.343 $\pm$ 0.014 χ^2 /NDF: 4804497.9/56

asym_bpm0i01WS_mean vs Slug



Right In: 5904.274+/-40.367 χ^2/NDF : 65911.4/28

Left Out: -2591.379+/-37.643 χ^2/NDF : 47994.7/24

Right Out: -6026.520+/-38.507 χ^2/NDF : 101472.4/33

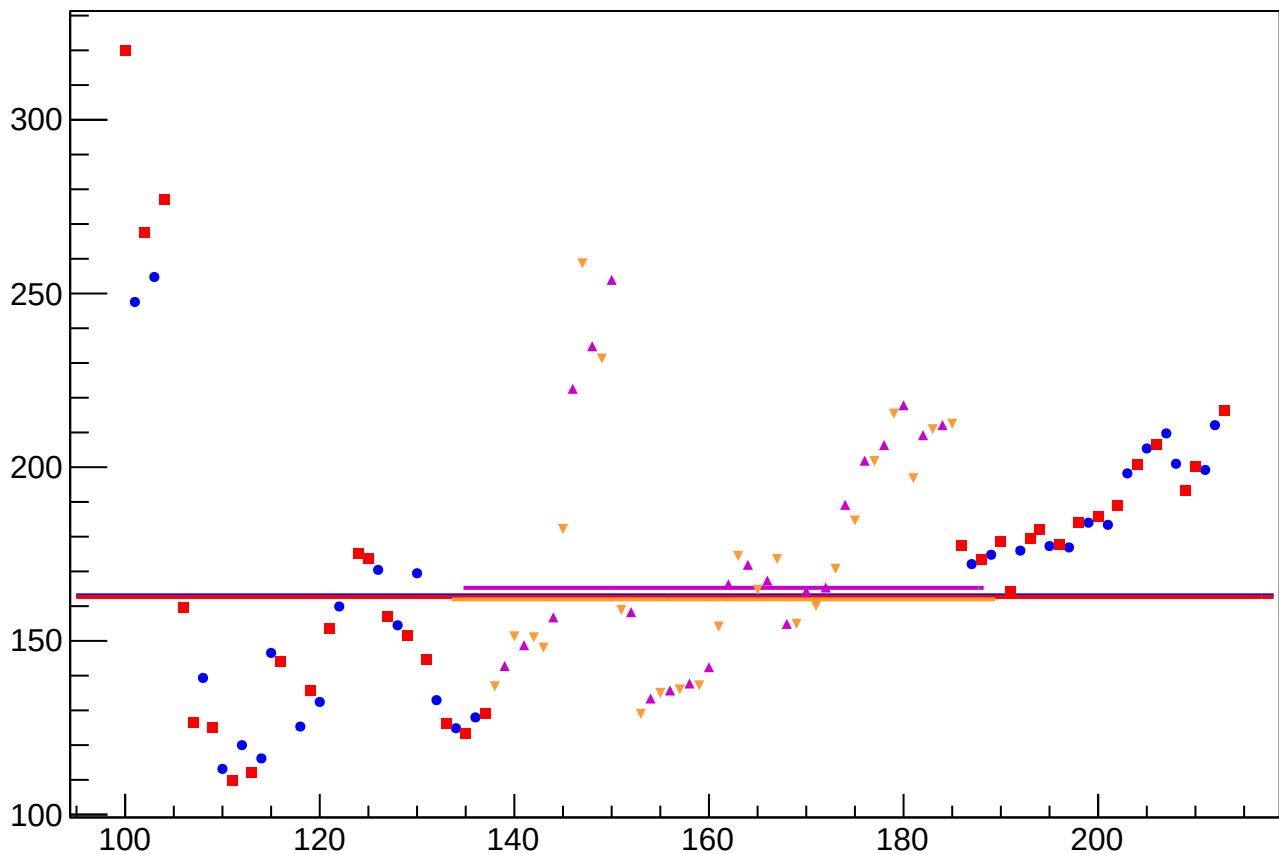
Left In: 7296.193+/-39.576 χ^2/NDF : 24743.4/22

+ sign 1360.196+/-27.530 χ^2/NDF : 137597.6/53

All: 907.461+/-19.491 χ^2/NDF : 322569.7/110

- sign 452.480+/-27.599 χ^2/NDF : 184429.9/56

asym_bpm0i01WS_rms vs Slug



Right In: 163.109+/-0.029 χ^2/NDF : 1503223.3/28

Left Out: 161.957+/-0.027 χ^2/NDF :1144808.3/24

Right Out: 162.643+/-0.027 χ^2/NDF : 1696099.2/33

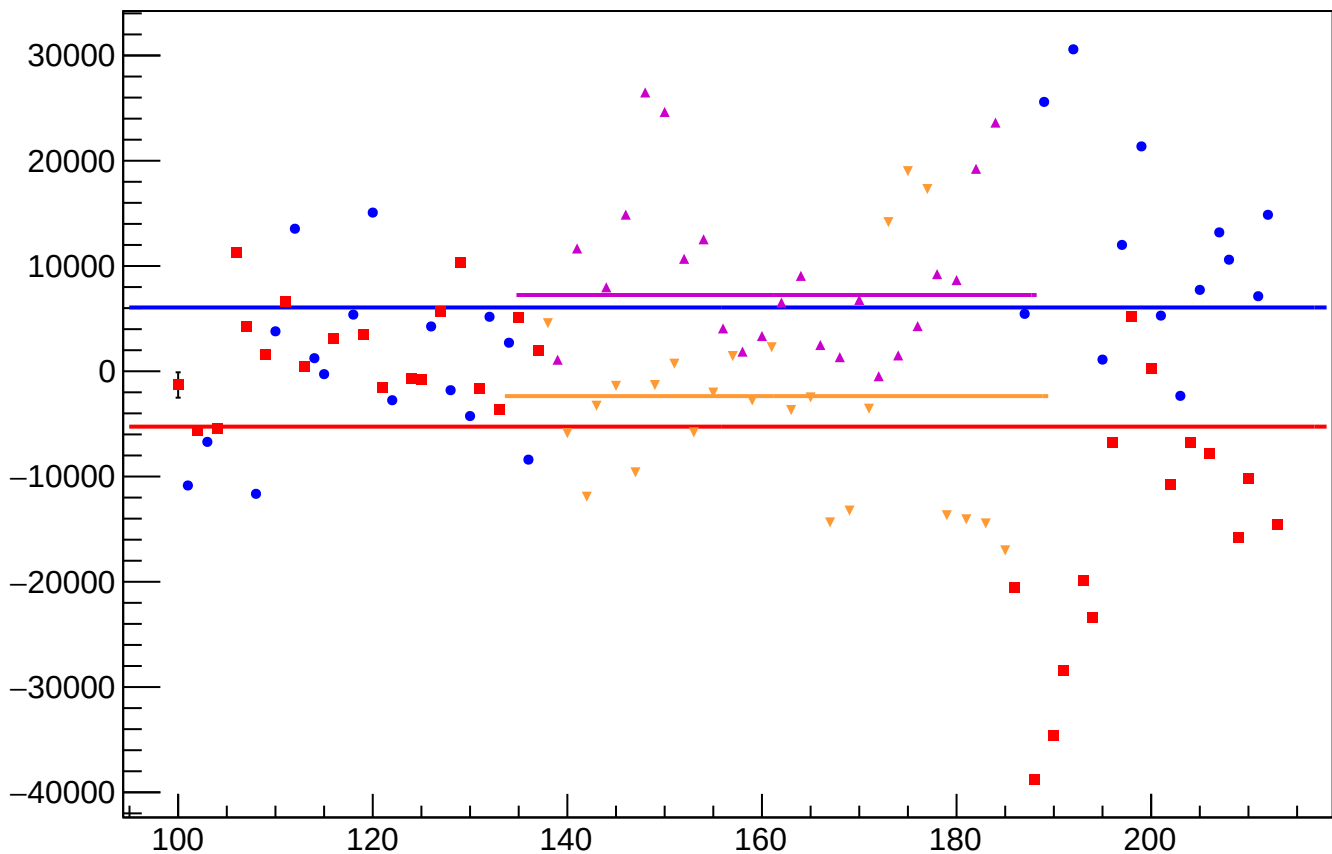
Left In: 165.273+/-0.028 χ^2/NDF :1179090.6/22

+ sign 162.493+/-0.019 χ^2/NDF : 2648903.0/53

All: 163.206+/-0.014 χ^2/NDF : 5531315.6/110

- sign 163.922+/-0.020 χ^2/NDF : 2879725.0/56

asym_bpm0i01aWS_mean vs Slug



Right In: 6061.117+/-34.343 χ^2/NDF : 91701.4/28

Left Out: -2360.753+/-33.680 χ^2/NDF : 58566.4/24

Right Out: -5259.803+/-32.600 χ^2/NDF : 141530.3/33

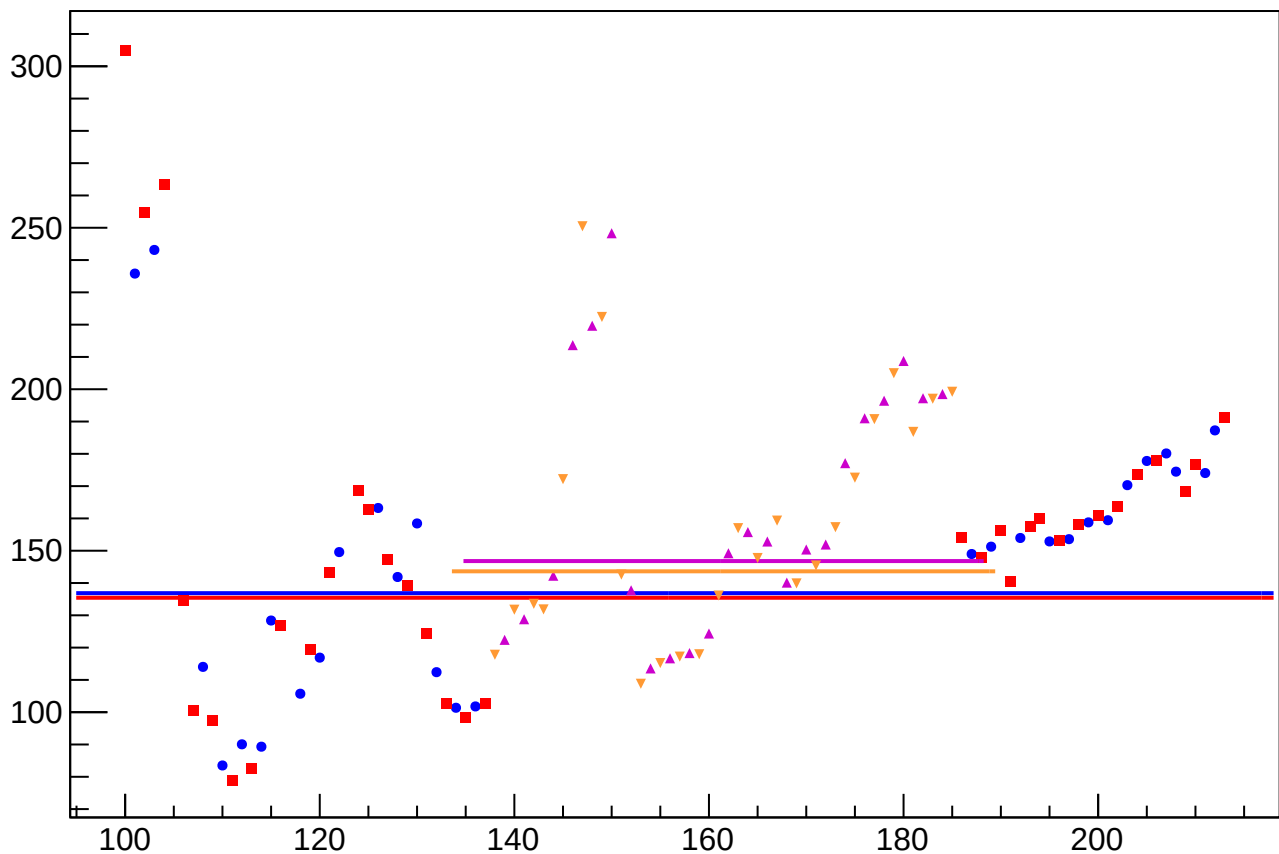
Left In: 7244.763+/-35.507 χ^2/NDF : 30447.9/22

+ sign 1768.180+/-24.046 χ^2/NDF : 180922.5/53

All: 1113.032+/-16.992 χ^2/NDF : 421679.9/11

- sign 459.653+/-24.014 χ^2/NDF : 239274.8/56

asym_bpm0i01aWS_rms vs Slug



Right In: 136.857 $\pm$ 0.024 χ^2 /NDF: 2231246.9/28

Left Out: 143.622 $\pm$ 0.024 χ^2 /NDF:1662825.4/24

Right Out: 135.439 $\pm$ 0.023 χ^2 /NDF: 2649130.2/33

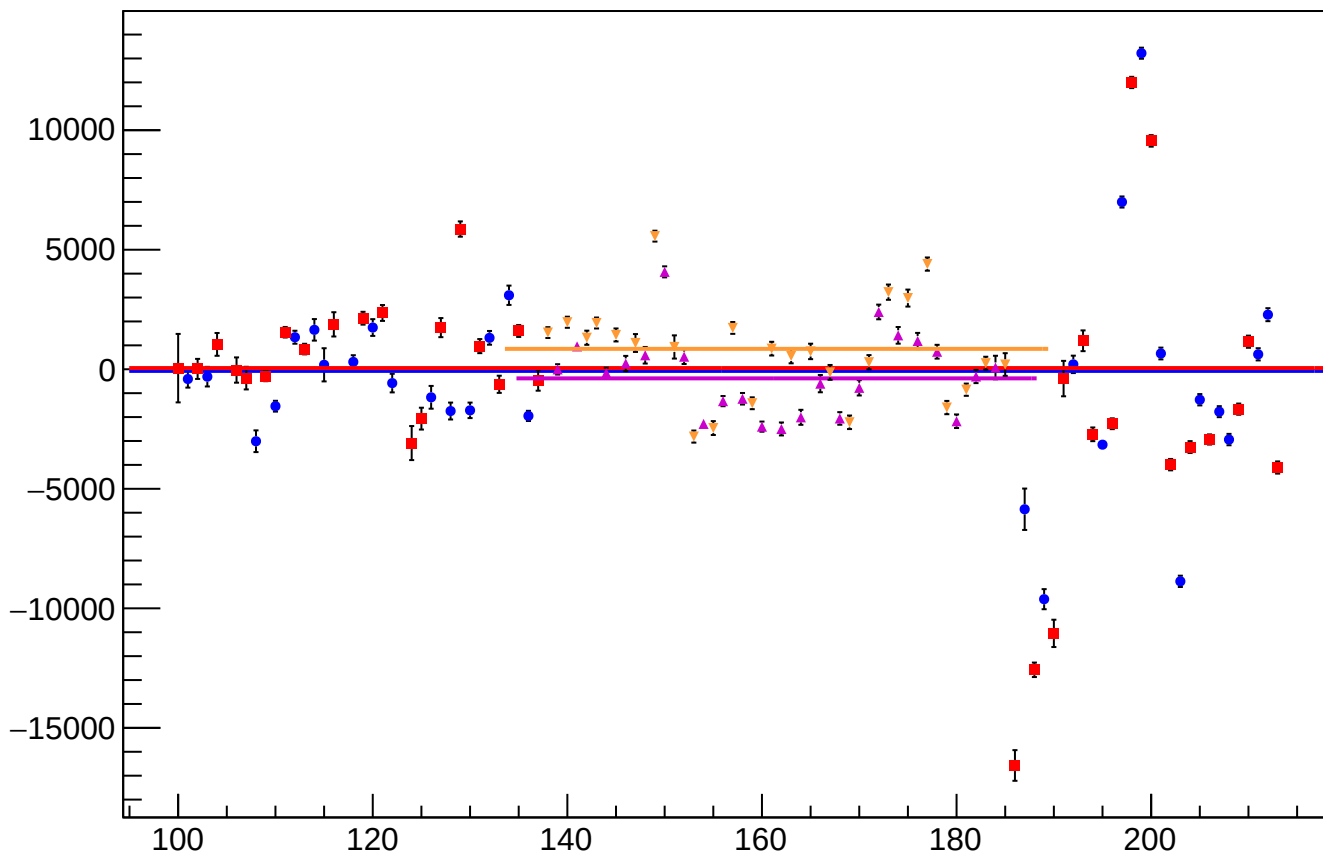
Left In: 146.793 $\pm$ 0.025 χ^2 /NDF:1694524.1/22

+ sign 140.306 $\pm$ 0.017 χ^2 /NDF: 3933629.7/53

All: 140.469 $\pm$ 0.012 χ^2 /NDF: 8388435.0/110

- sign 140.632 $\pm$ 0.017 χ^2 /NDF: 4454620.3/56

asym_bpm0l01WS_mean vs Slug



Right In: -67.815 ± 54.199 χ^2/NDF : 7087.3/28

Left Out: 853.916 ± 56.237 χ^2/NDF : 1443.8/24

Right Out: 50.041 ± 52.184 χ^2/NDF : 8757.9/33

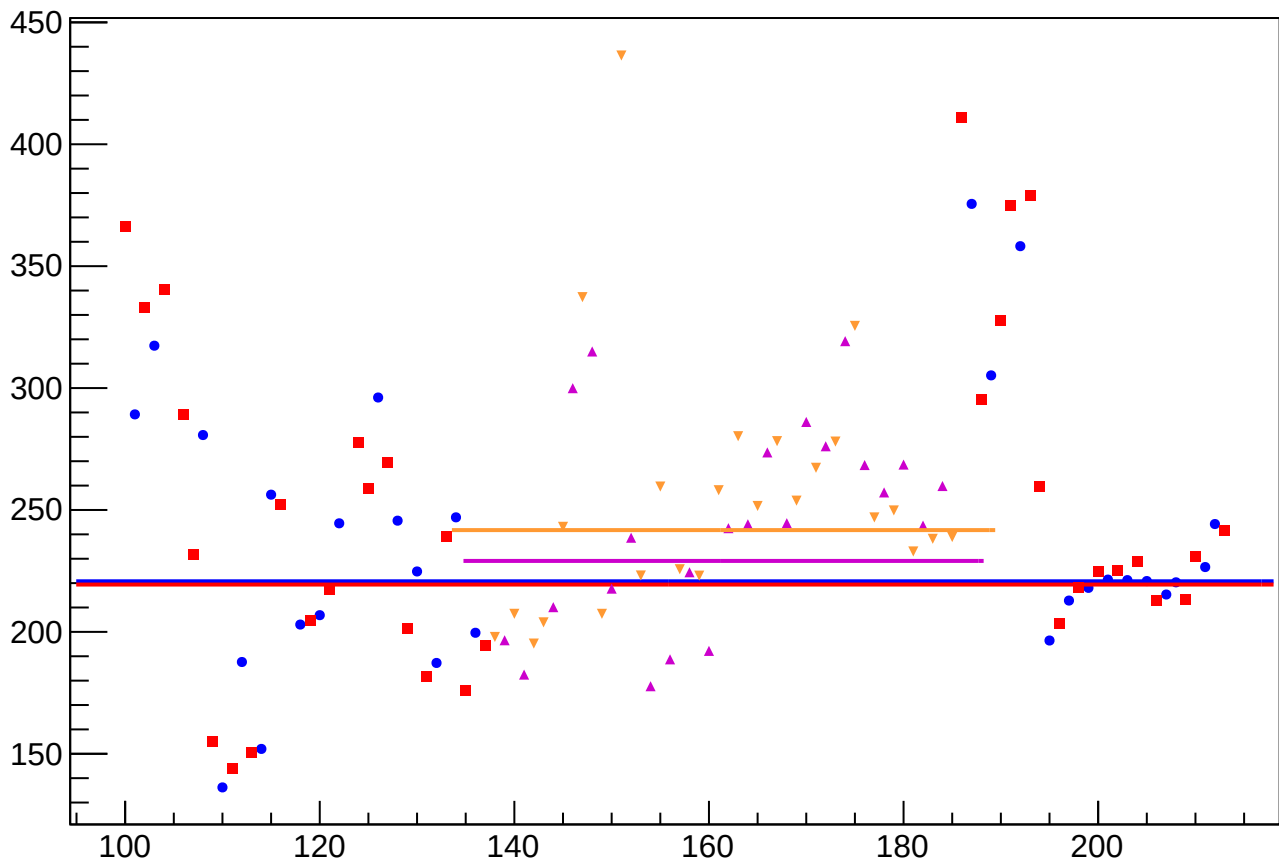
Left In: -380.865 ± 55.135 χ^2/NDF : 982.4/22

+ sign 376.053 ± 39.025 χ^2/NDF : 8670.4/53

All: 103.497 ± 27.188 χ^2/NDF : 18537.7/110

- sign -153.572 ± 37.900 χ^2/NDF : 9772.5/56

asym_bpm0l01WS_rms vs Slug



Right In: 220.750+/-0.038 χ^2/NDF : 1189147.7/28

Left Out: 241.746+/-0.040 χ^2/NDF : 986390.8/24

Right Out: 219.414+/-0.037 χ^2/NDF : 1931600.9/33

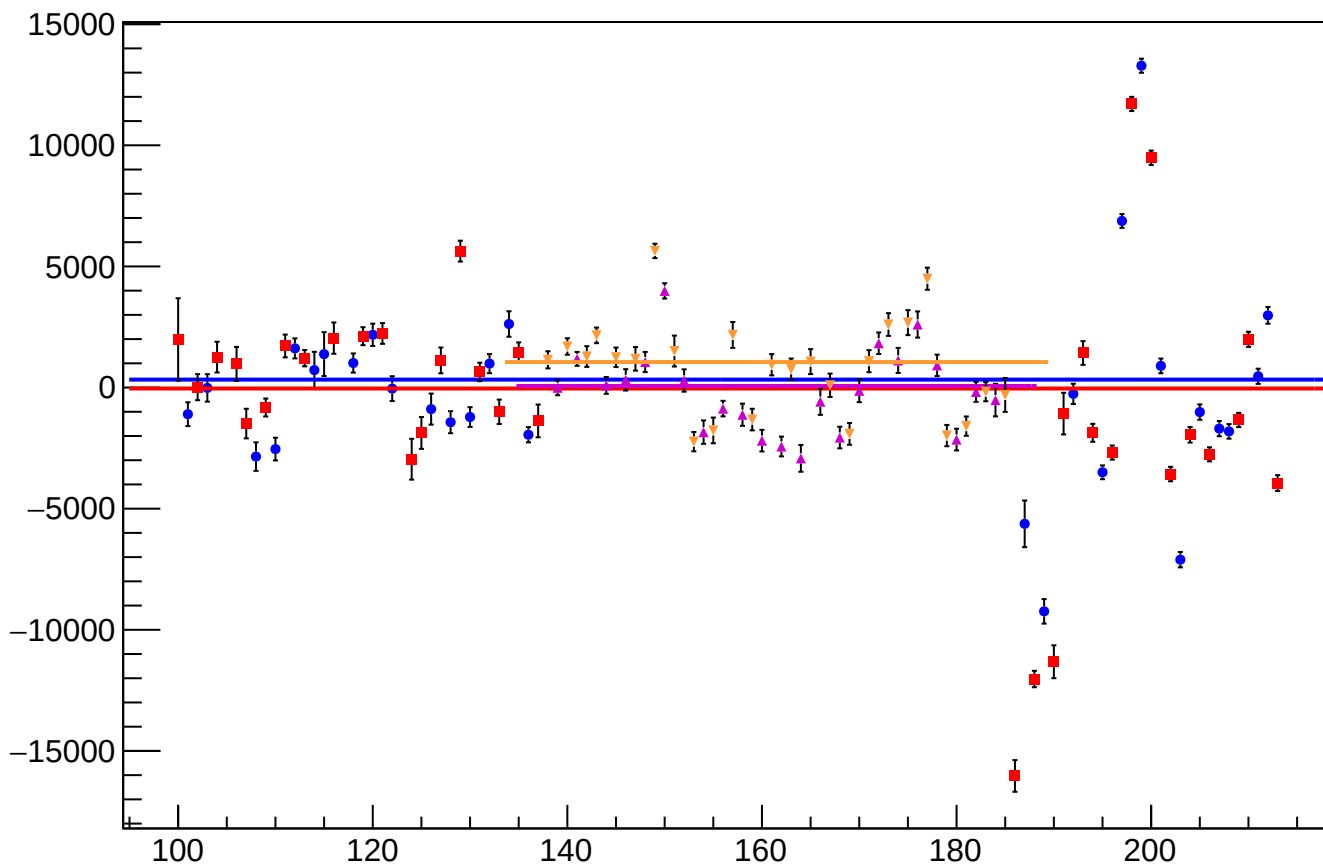
Left In: 229.103+/-0.039 χ^2/NDF : 1068960.6/22

+ sign 230.861+/-0.028 χ^2/NDF : 2320073.5/53

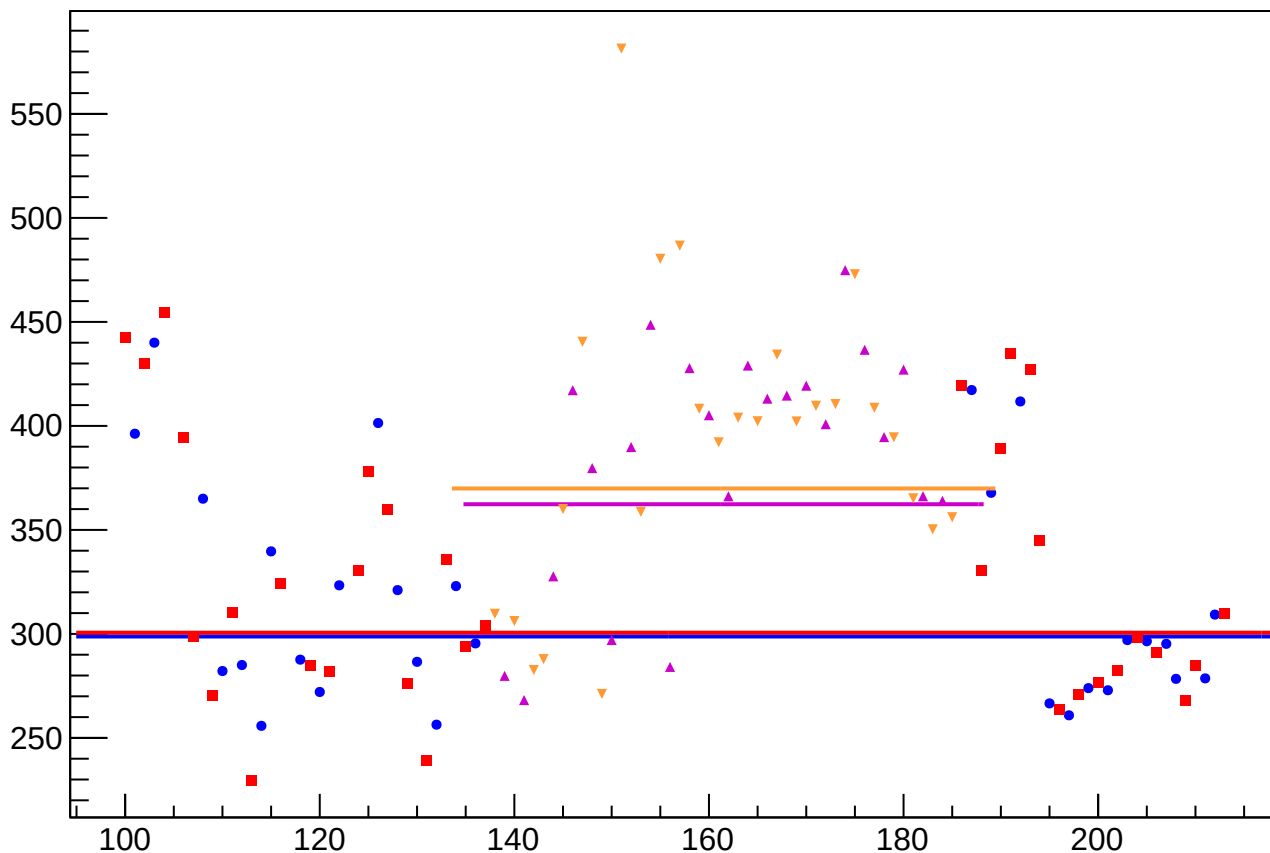
All: 227.326+/-0.019 χ^2/NDF : 5385091.5/110

- sign 223.993+/-0.027 χ^2/NDF : 3033140.0/56

asym_bpm0l02WS_mean vs Slug



asym_bpm0l02WS_rms vs Slug



Right In: 298.762 $\pm$ 0.051 χ^2/NDF : 664804.2/28

Left Out: 369.923 $\pm$ 0.061 χ^2/NDF : 1230300.9/24

Right Out: 300.587 $\pm$ 0.050 χ^2/NDF : 954710.5/33

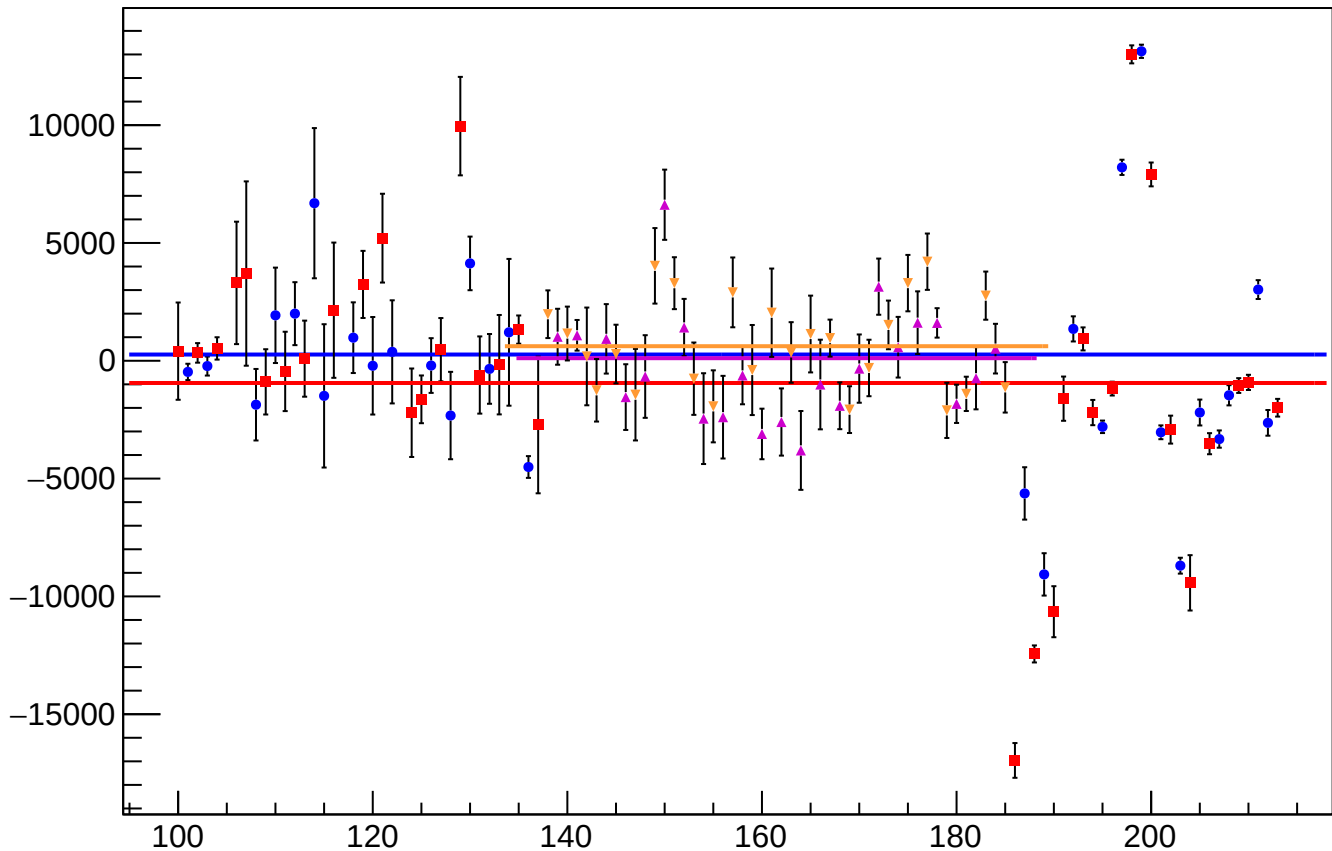
Left In: 362.341 $\pm$ 0.061 χ^2/NDF : 1053395.6/22

+ sign 328.428 $\pm$ 0.039 χ^2/NDF : 2695553.7/53

All: 326.710 $\pm$ 0.027 χ^2/NDF : 5320744.4/110

- sign 325.049 $\pm$ 0.039 χ^2/NDF : 2621415.7/56

asym_bpm0l03WS_mean vs Slug



Right In: 264.959 ± 94.430 $\chi^2/\text{NDF}: 4152.1/28$

Left Out: 618.538 ± 238.150 $\chi^2/\text{NDF}: 65.7/24$

Right Out: -942.719 ± 102.400 $\chi^2/\text{NDF}: 3417.3/33$

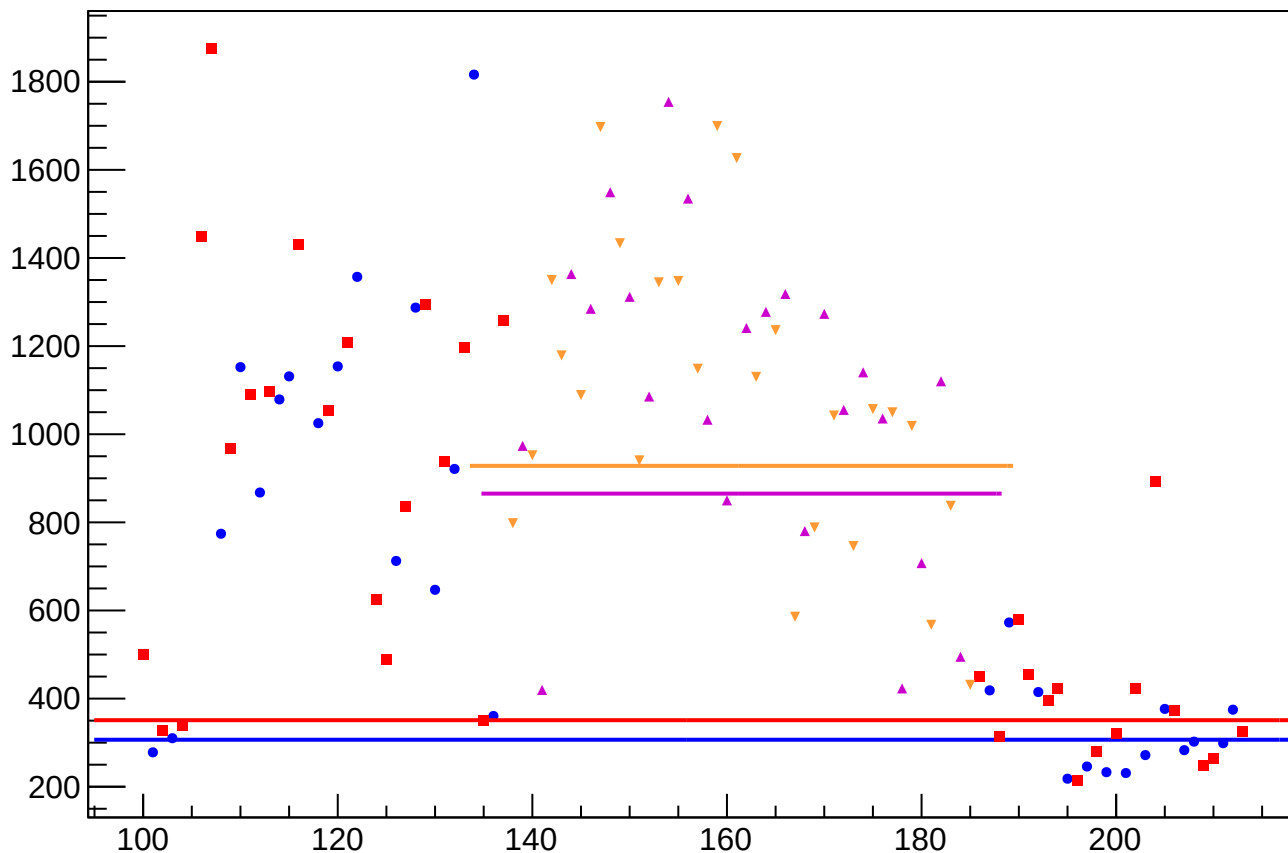
Left In: 109.519 ± 237.827 $\chi^2/\text{NDF}: 71.7/22$

+ sign 312.997 ± 87.781 $\chi^2/\text{NDF}: 4219.8/53$

All: -194.990 ± 64.173 $\chi^2/\text{NDF}: 7797.2/110$

- sign -778.157 ± 94.052 $\chi^2/\text{NDF}: 3505.6/56$

asym_bpm0l03WS_rms vs Slug



Right In: 306.649 $\pm$ 0.067 χ^2 /NDF: 5185122.1/28

Left Out: 928.240 $\pm$ 0.168 χ^2 /NDF:3294716.2/24

Right Out: 350.996 $\pm$ 0.072 χ^2 /NDF: 6160399.3/33

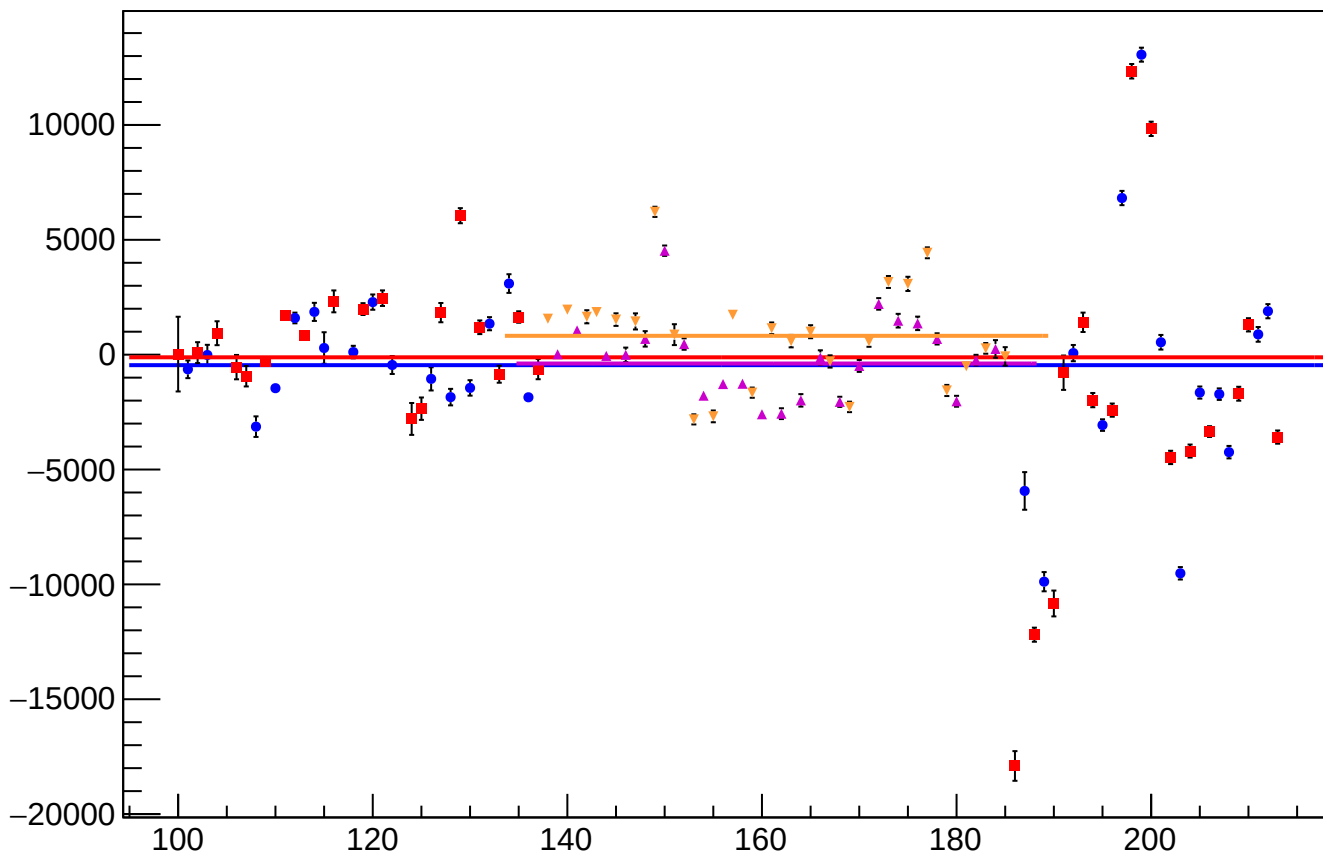
Left In: 865.223 $\pm$ 0.168 χ^2 /NDF:4792678.4/22

+ sign 391.100 $\pm$ 0.062 χ^2 /NDF: 20253754.7/53

All: 409.869 $\pm$ 0.045 χ^2 /NDF: 39291075.8/1

- sign 431.417 $\pm$ 0.067 χ^2 /NDF: 18840901.0/56

asym_bpm0l04WS_mean vs Slug



Right In: -456.618 ± 58.084 $\chi^2/\text{NDF}: 5053.9/28$

Left Out: 820.821 ± 49.996 $\chi^2/\text{NDF}: 1990.8/24$

Right Out: -114.822 ± 54.933 $\chi^2/\text{NDF}: 6938.5/33$

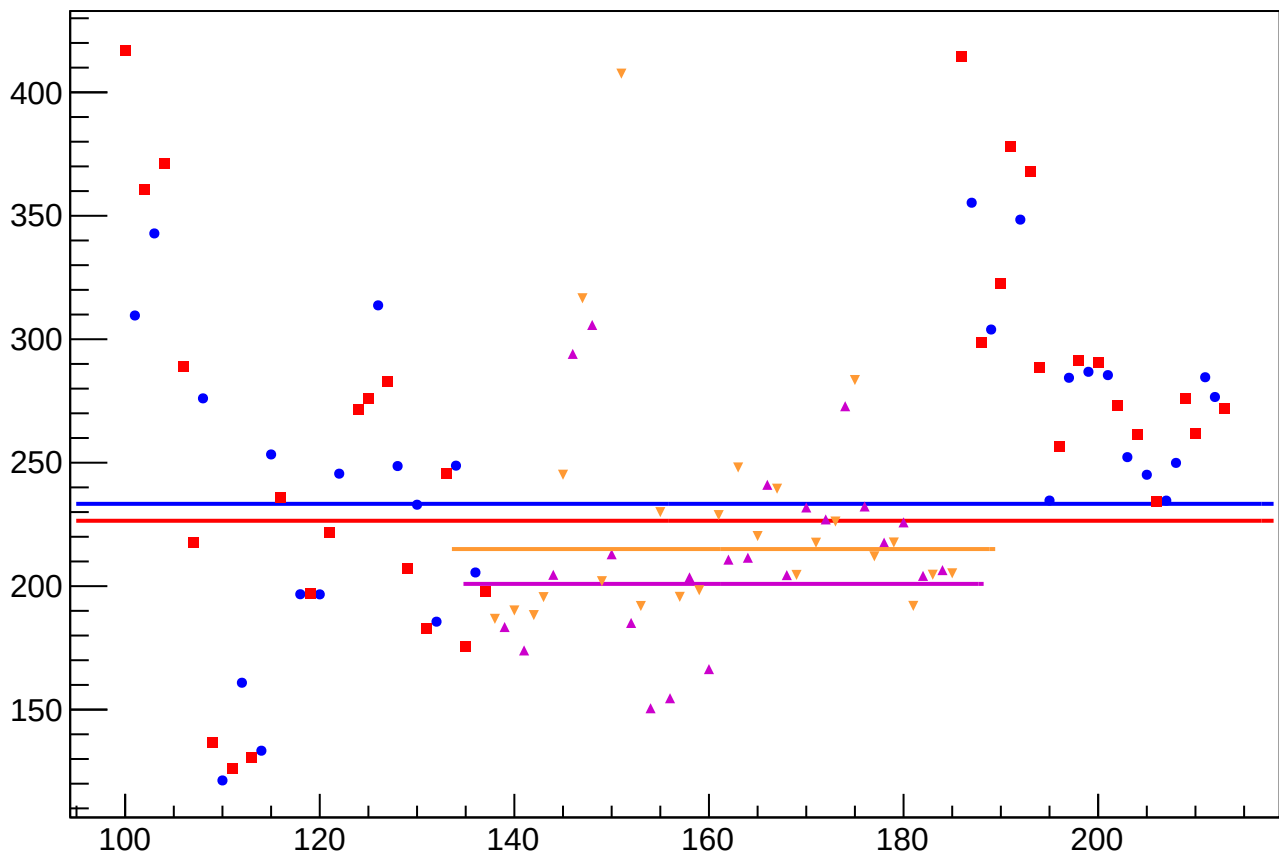
Left In: -385.002 ± 48.455 $\chi^2/\text{NDF}: 1253.3/22$

+ sign 277.167 ± 37.892 $\chi^2/\text{NDF}: 7322.5/53$

All: -6.187 ± 26.227 $\chi^2/\text{NDF}: 15635.2/110$

- sign -266.776 ± 36.338 $\chi^2/\text{NDF}: 8205.4/56$

asym_bpm0l04WS_rms vs Slug



Right In: 233.339 $\pm$ 0.041 χ^2 /NDF: 1954638.7/28

Left Out: 215.027 $\pm$ 0.035 χ^2 /NDF: 897791.6/24

Right Out: 226.483 $\pm$ 0.039 χ^2 /NDF: 3227335.5/33

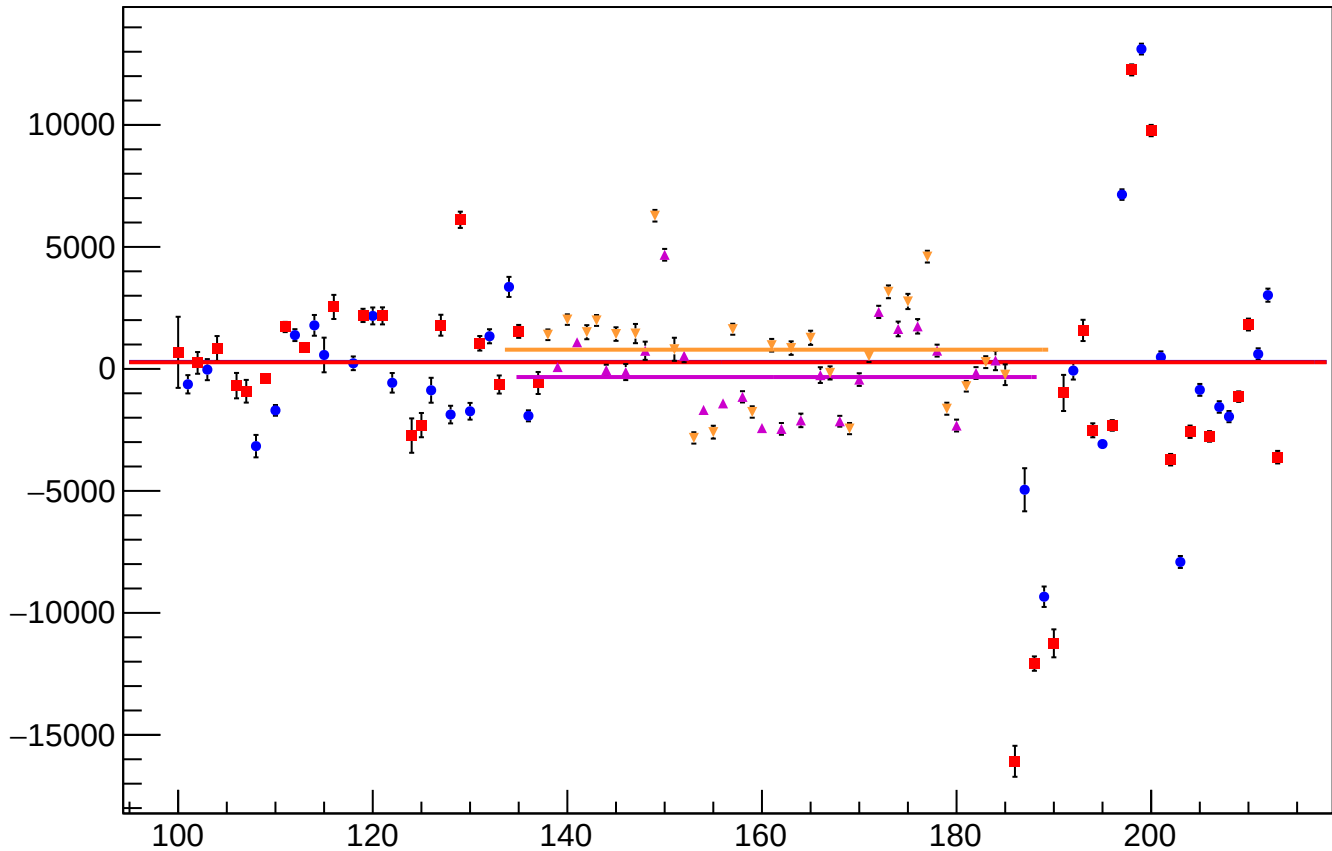
Left In: 200.917 $\pm$ 0.034 χ^2 /NDF: 1105842.5/22

+ sign 222.820 $\pm$ 0.027 χ^2 /NDF: 2966617.7/53

All: 217.238 $\pm$ 0.019 χ^2 /NDF: 7626758.1/110

- sign 212.104 $\pm$ 0.026 χ^2 /NDF: 4576819.4/56

asym_bpm0l05WS_mean vs Slug



Right In: 286.669 ± 53.704 χ^2/NDF : 7043.4/28

Left Out: 788.110 ± 51.424 χ^2/NDF : 1890.2/24

Right Out: 273.211 ± 51.487 χ^2/NDF : 9058.7/33

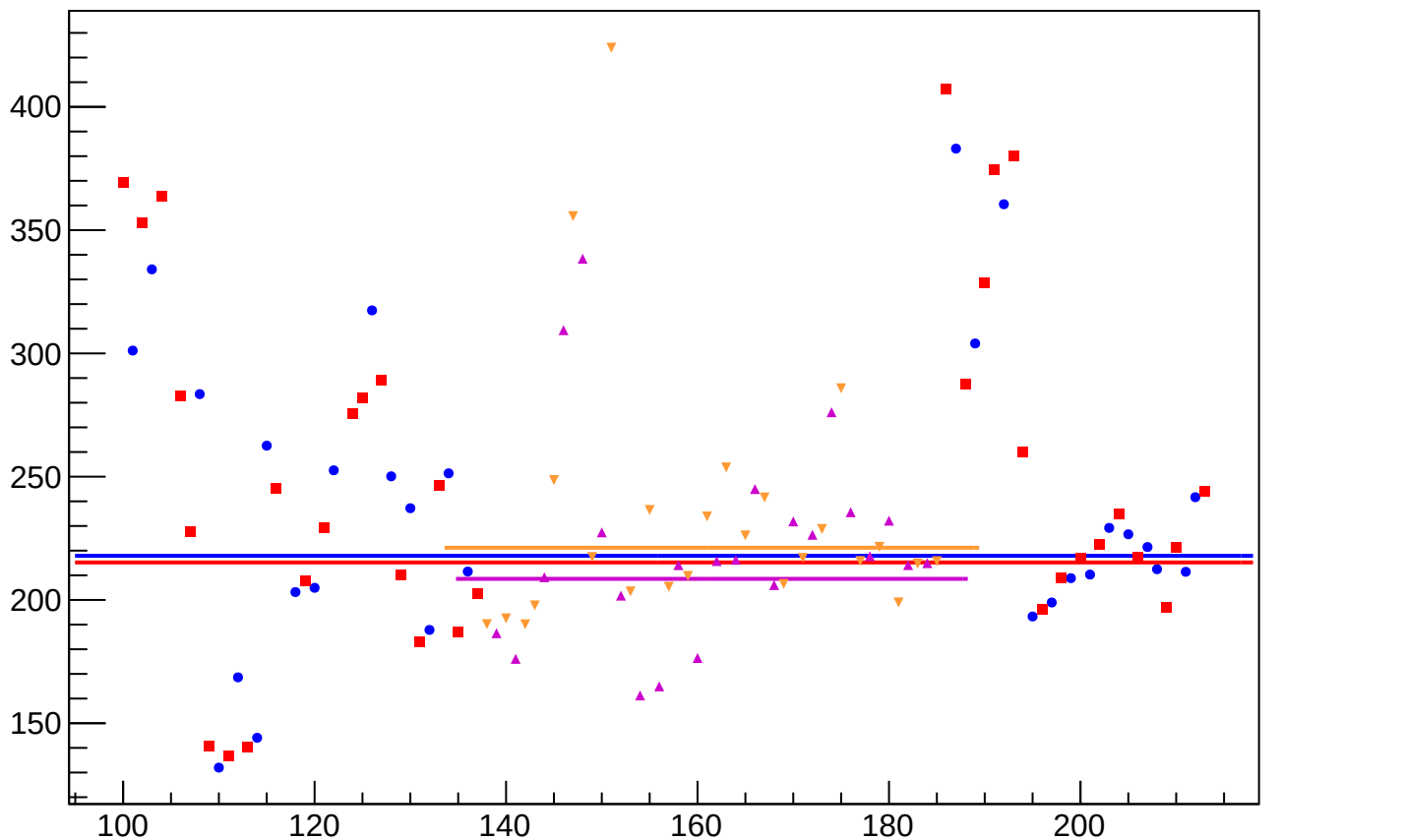
Left In: -333.303 ± 50.194 χ^2/NDF : 1215.2/22

+ sign 548.258 ± 37.142 χ^2/NDF : 8979.0/53

All: 245.623 ± 25.828 χ^2/NDF : 19452.6/110

- sign -37.753 ± 35.941 χ^2/NDF : 10345.0/56

asym_bpm0l05WS_rms vs Slug



Right In: 217.891+/-0.038 χ^2/NDF : 1429447.3/28

Left Out: 221.185+/-0.036 χ^2/NDF : 939520.0/24

Right Out: 215.214+/-0.036 χ^2/NDF : 2306420.1/33

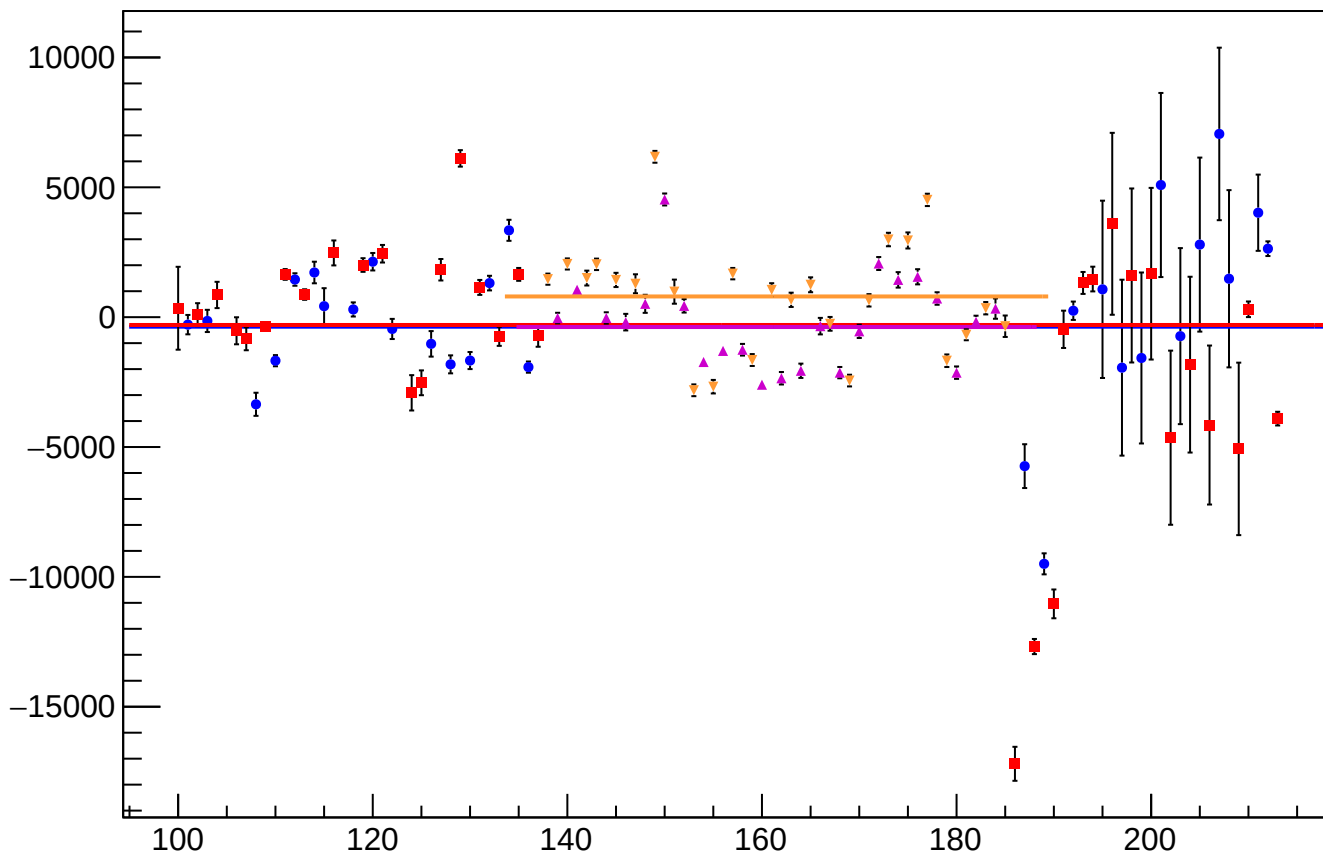
Left In: 208.556+/-0.035 χ^2/NDF : 1035638.0/22

+ sign 219.609+/-0.026 χ^2/NDF : 2372894.0/53

All: 215.577+/-0.018 χ^2/NDF : 5777753.1/110

- sign 211.801+/-0.025 χ^2/NDF : 3359206.8/56

asym_bpm0l06WS_mean vs Slug



Right In: -365.860 ± 73.608 χ^2/NDF : 1117.1/28

Left Out: 797.475 ± 50.495 χ^2/NDF : 1960.8/24

Right Out: -300.625 ± 64.397 χ^2/NDF : 3938.0/33

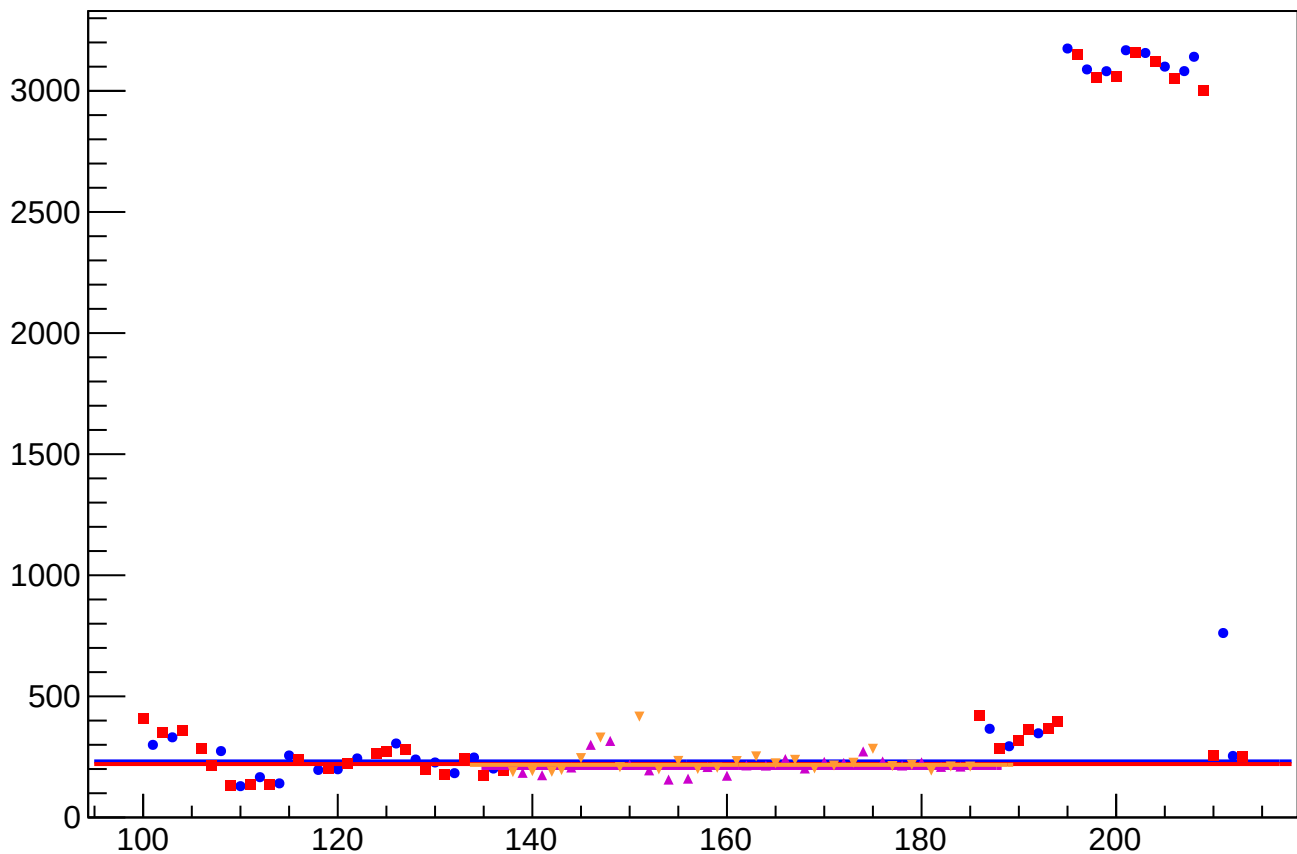
Left In: -379.578 ± 49.183 χ^2/NDF : 1201.2/22

+ sign 425.201 ± 41.639 χ^2/NDF : 3247.8/53

All: 12.859 ± 28.498 χ^2/NDF : 8572.4/110

- sign -350.491 ± 39.087 χ^2/NDF : 5140.2/56

asym_bpm0l06WS_rms vs Slug



Right In: 231.390 $\pm$ 0.052 χ^2 /NDF: 13342278.8/28

Left Out: 217.224 $\pm$ 0.036 χ^2 /NDF: 910445.0/24

Right Out: 220.454 $\pm$ 0.046 χ^2 /NDF: 13154602.3/33

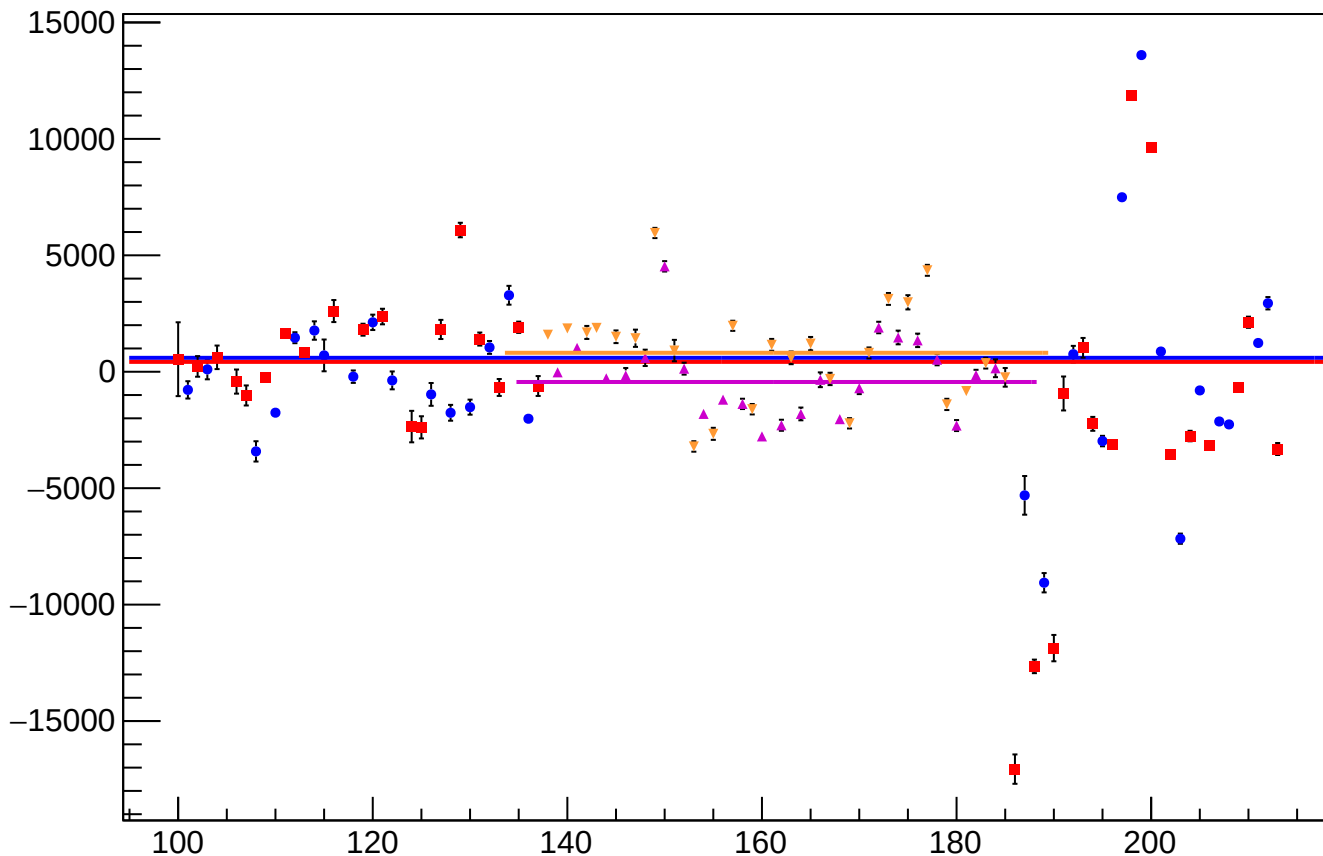
Left In: 204.308 $\pm$ 0.035 χ^2 /NDF: 1015049.0/22

+ sign 221.757 $\pm$ 0.029 χ^2 /NDF: 14303089.1/53

All: 215.644 $\pm$ 0.020 χ^2 /NDF: 28633256.0/1

- sign 210.257 $\pm$ 0.028 χ^2 /NDF: 14249061.0/56

asym_bpm0l07WS_mean vs Slug



Right In: 597.911 ± 49.936 χ^2/NDF : 9210.1/28

Left Out: 814.275 ± 49.760 χ^2/NDF : 2000.4/24

Right Out: 424.170 ± 48.036 χ^2/NDF : 10939.2/33

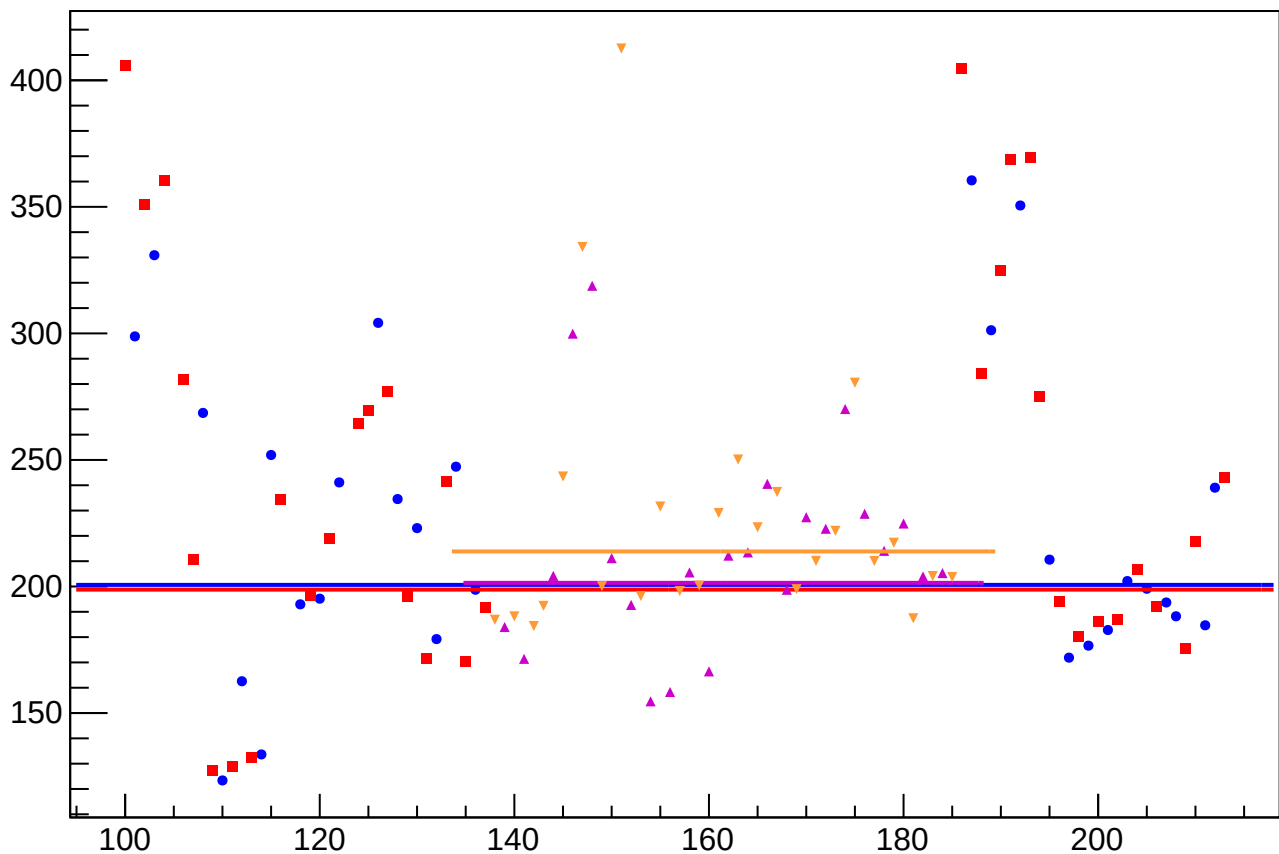
Left In: -439.674 ± 48.535 χ^2/NDF : 1235.0/22

+ sign 706.476 ± 35.248 χ^2/NDF : 11219.9/53

All: 340.286 ± 24.524 χ^2/NDF : 23763.2/110

- sign -3.286 ± 34.142 χ^2/NDF : 12334.2/56

asym_bpm0l07WS_rms vs Slug



Right In: 200.637 $\pm$ 0.035 χ^2 /NDF: 1664085.0/28

Left Out: 213.848 $\pm$ 0.035 χ^2 /NDF:963582.3/24

Right Out: 198.773 $\pm$ 0.034 χ^2 /NDF: 2740281.9/33

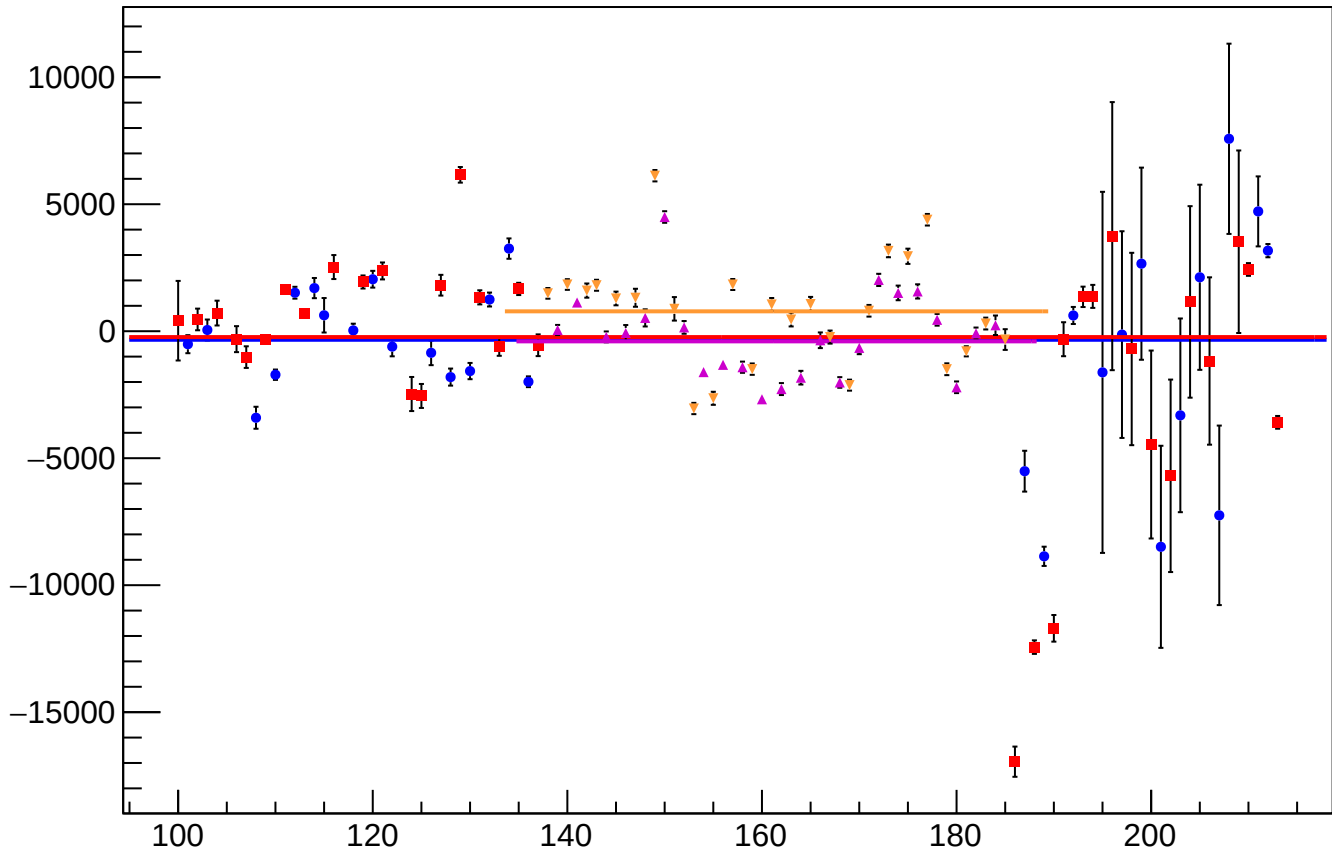
Left In: 201.446 $\pm$ 0.034 χ^2 /NDF:1061972.3/22

+ sign 207.266 $\pm$ 0.025 χ^2 /NDF: 2697903.3/53

All: 203.567 $\pm$ 0.017 χ^2 /NDF: 6545923.0/110

- sign 200.096 $\pm$ 0.024 χ^2 /NDF: 3805316.7/56

asym_bpm0l08WS_mean vs Slug



Right In: -337.003 ± 71.067 χ^2/NDF : 1216.6/28

Left Out: 782.388 ± 49.199 χ^2/NDF : 2001.3/24

Right Out: -231.538 ± 61.371 χ^2/NDF : 4569.3/33

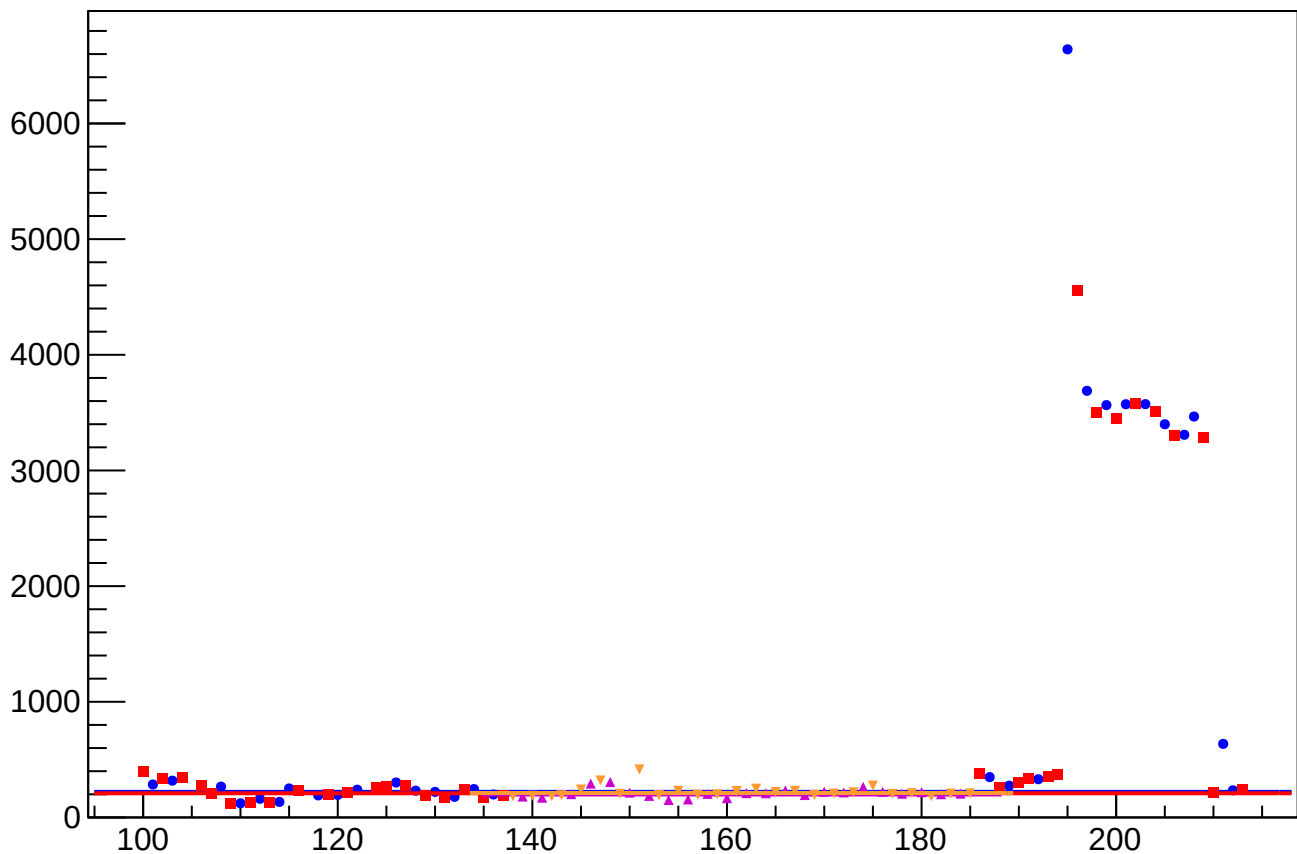
Left In: -399.798 ± 47.819 χ^2/NDF : 1232.0/22

+ sign 419.717 ± 40.451 χ^2/NDF : 3385.6/53

All: 15.362 ± 27.587 χ^2/NDF : 9378.4/110

- sign -336.235 ± 37.720 χ^2/NDF : 5806.0/56

asym_bpm0l08WS_rms vs Slug



Right In: 221.250+/-0.050 χ^2/NDF : 13725870.5/28

Left Out: 211.496+/-0.035 χ^2/NDF : 934978.4/24

Right Out: 208.999+/-0.043 χ^2/NDF : 13405309.9/33

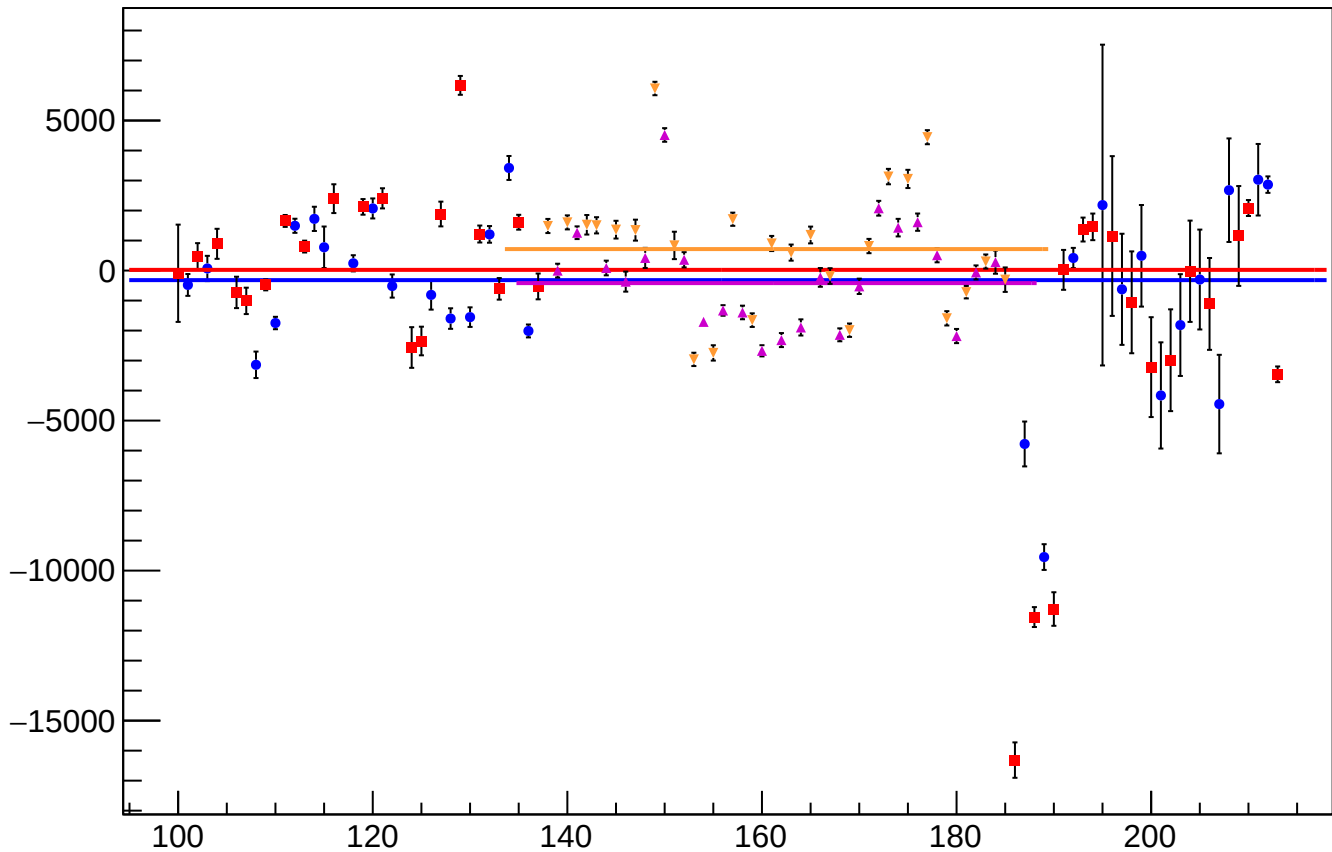
Left In: 198.524+/-0.034 χ^2/NDF : 1006458.6/22

+ sign 214.656+/-0.029 χ^2/NDF : 14686318.3/53

All: 208.144+/-0.020 χ^2/NDF : 29231240.4/11

- sign 202.481+/-0.027 χ^2/NDF : 14448019.2/56

asym_bpm0l09WS_mean vs Slug



Right In: -319.194 ± 72.022 χ^2/NDF : 1121.1/28

Left Out: 715.643 ± 51.110 χ^2/NDF : 1918.0/24

Right Out: 22.994 ± 63.028 χ^2/NDF : 3406.3/33

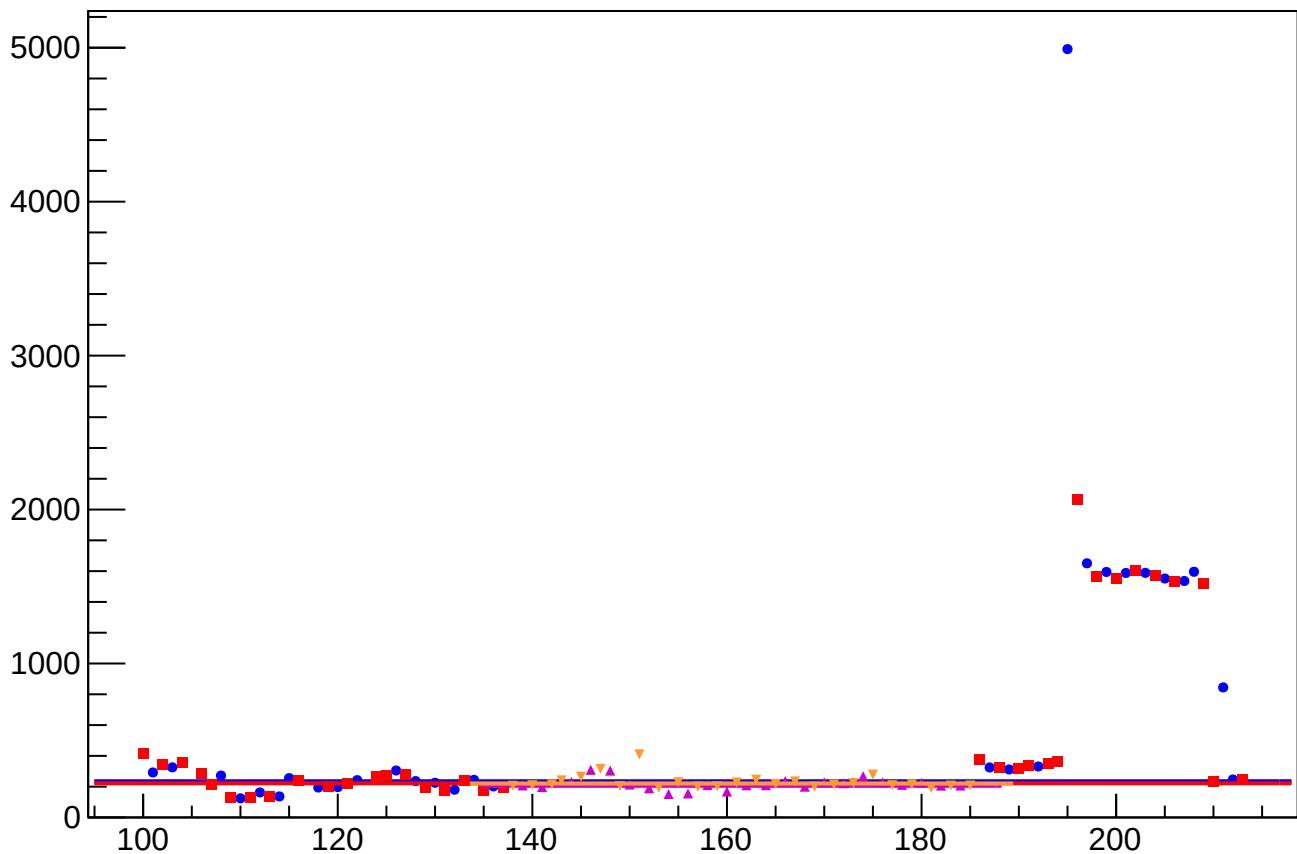
Left In: -418.574 ± 49.523 χ^2/NDF : 1241.0/22

+ sign 369.051 ± 41.681 χ^2/NDF : 3176.4/53

All: 38.496 ± 28.455 χ^2/NDF : 7971.7/110

- sign -250.020 ± 38.941 χ^2/NDF : 4677.6/56

asym_bpm0l09WS_rms vs Slug



Right In: 235.230 $\pm$ 0.051 χ^2 /NDF: 12300780.0/28

Left Out: 220.145 $\pm$ 0.036 χ^2 /NDF: 799699.4/24

Right Out: 221.776 $\pm$ 0.045 χ^2 /NDF: 11609825.2/33

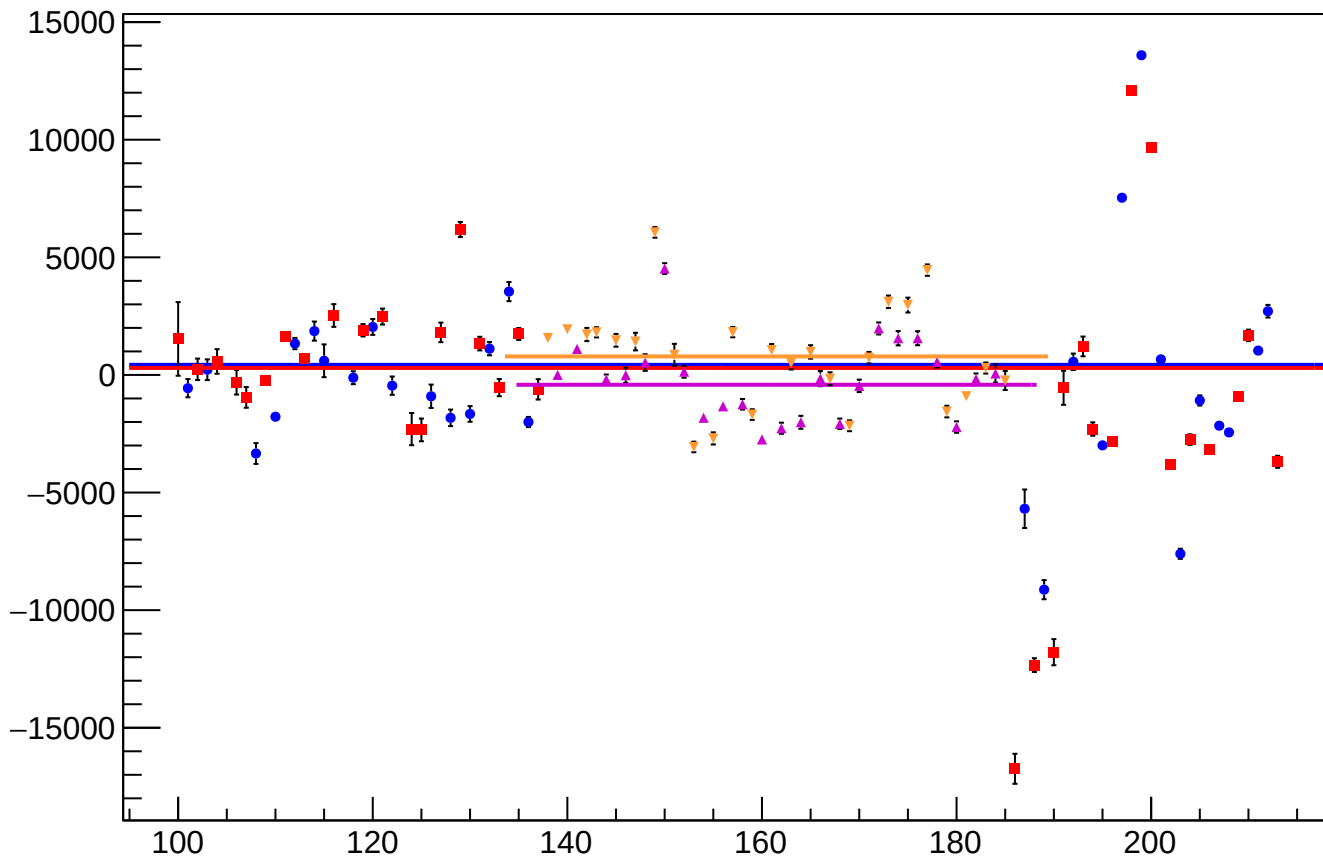
Left In: 205.481 $\pm$ 0.035 χ^2 /NDF: 1013965.4/22

+ sign 225.197 $\pm$ 0.029 χ^2 /NDF: 13158829.6/53

All: 217.991 $\pm$ 0.020 χ^2 /NDF: 25977226.7/11

- sign 211.702 $\pm$ 0.028 χ^2 /NDF: 12706442.2/56

asym_bpm0l10WS_mean vs Slug



Right In: 428.947 ± 50.485 χ^2/NDF : 9197.1/28

Left Out: 786.922 ± 50.524 χ^2/NDF : 1937.6/24

Right Out: 298.942 ± 48.780 χ^2/NDF : 10607.2/33

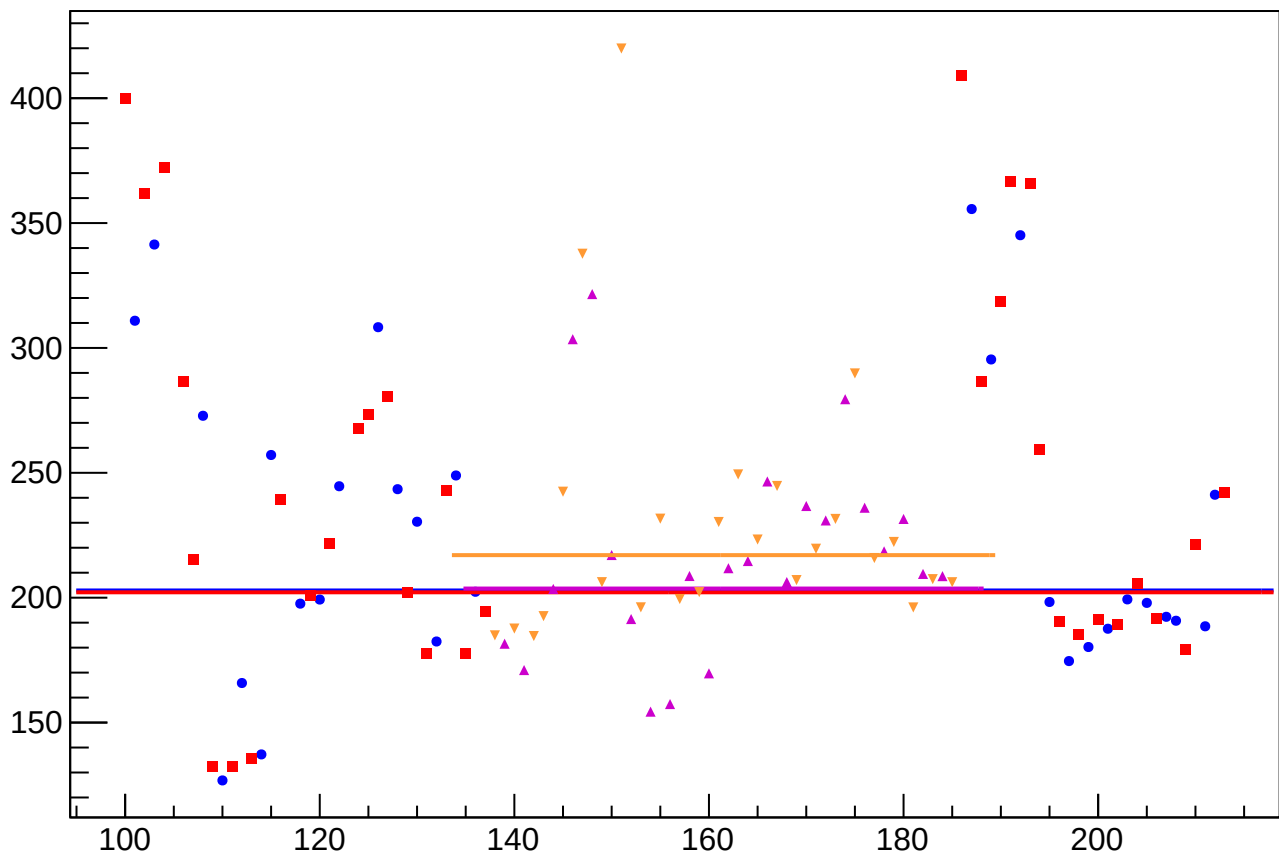
Left In: -418.824 ± 49.152 χ^2/NDF : 1211.0/22

+ sign 607.796 ± 35.712 χ^2/NDF : 11159.7/53

All: 264.999 ± 24.858 χ^2/NDF : 23264.1/110

- sign -57.214 ± 34.623 χ^2/NDF : 11925.6/56

asym_bpm0l10WS_rms vs Slug



Right In: 202.888 $\pm$ 0.036 χ^2 /NDF: 1610131.2/28

Left Out: 217.040 $\pm$ 0.036 χ^2 /NDF:983170.6/24

Right Out: 202.158 $\pm$ 0.034 χ^2 /NDF: 2569589.3/33

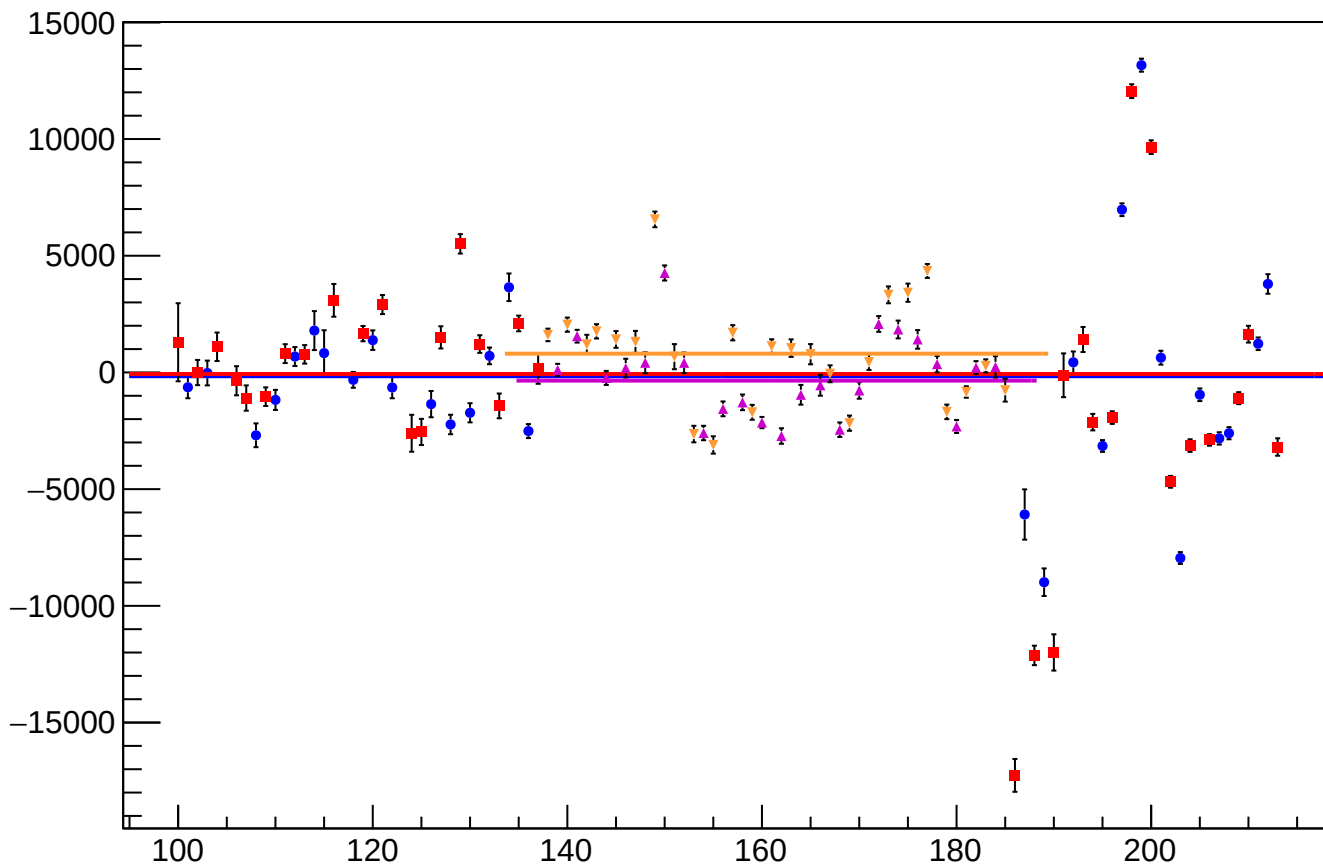
Left In: 203.660 $\pm$ 0.035 χ^2 /NDF:1165334.8/22

+ sign 209.959 $\pm$ 0.025 χ^2 /NDF: 2671818.3/53

All: 206.322 $\pm$ 0.018 χ^2 /NDF: 6447921.4/110

- sign 202.903 $\pm$ 0.024 χ^2 /NDF: 3735865.0/56

asym_bpm0r03WS_mean vs Slug



Right In: -161.582 ± 67.215 χ^2/NDF : 4842.1/28

Left Out: 803.752 ± 67.693 χ^2/NDF : 1057.7/24

Right Out: -67.927 ± 67.408 χ^2/NDF : 5637.4/33

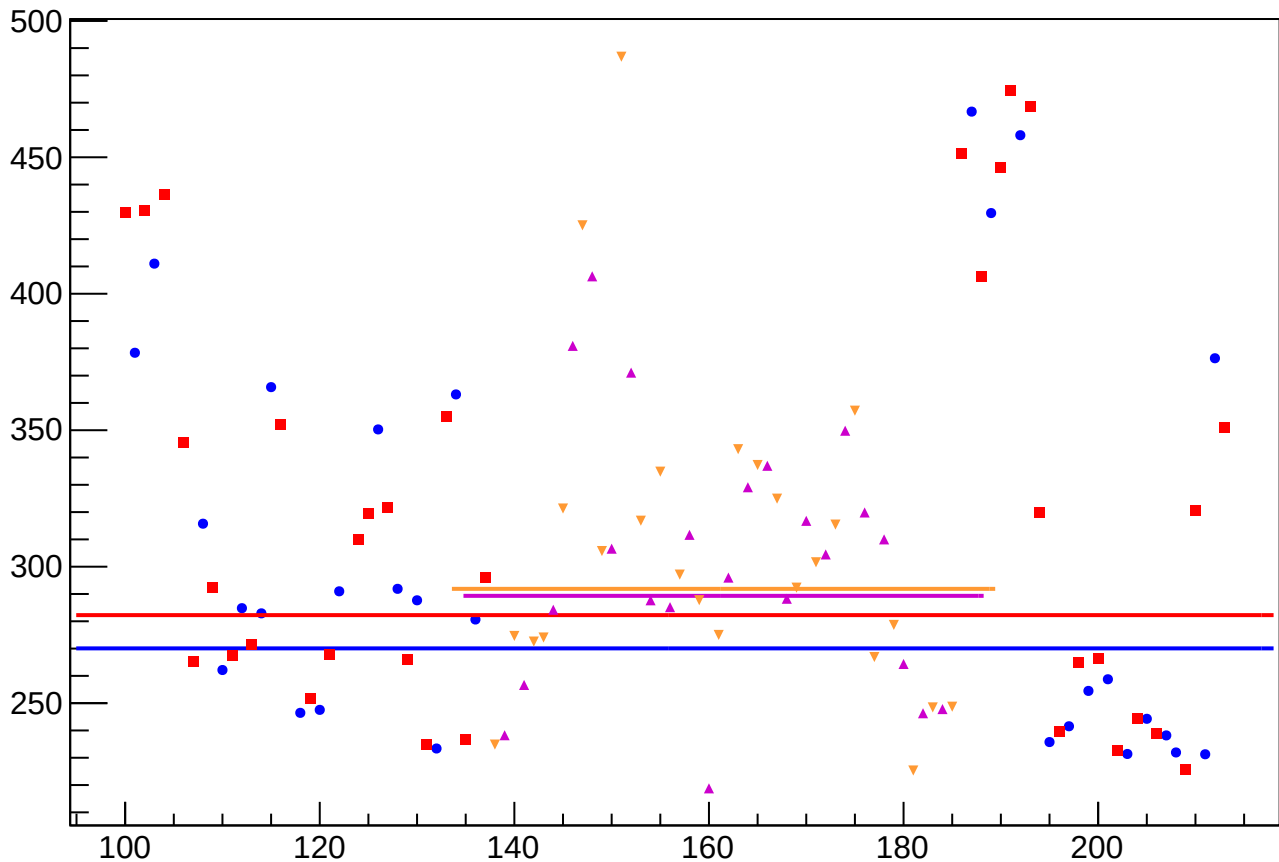
Left In: -350.095 ± 68.985 χ^2/NDF : 656.1/22

+ sign 317.667 ± 47.696 χ^2/NDF : 6002.2/53

All: 58.775 ± 33.907 χ^2/NDF : 12363.8/110

- sign -205.750 ± 48.212 χ^2/NDF : 6302.0/56

asym_bpm0r03WS_rms vs Slug



Right In: 270.070 $\pm$ 0.048 χ^2 /NDF: 1342604.4/28

Left Out: 291.882 $\pm$ 0.048 χ^2 /NDF: 959919.3/24

Right Out: 282.256 $\pm$ 0.048 χ^2 /NDF: 1654475.5/33

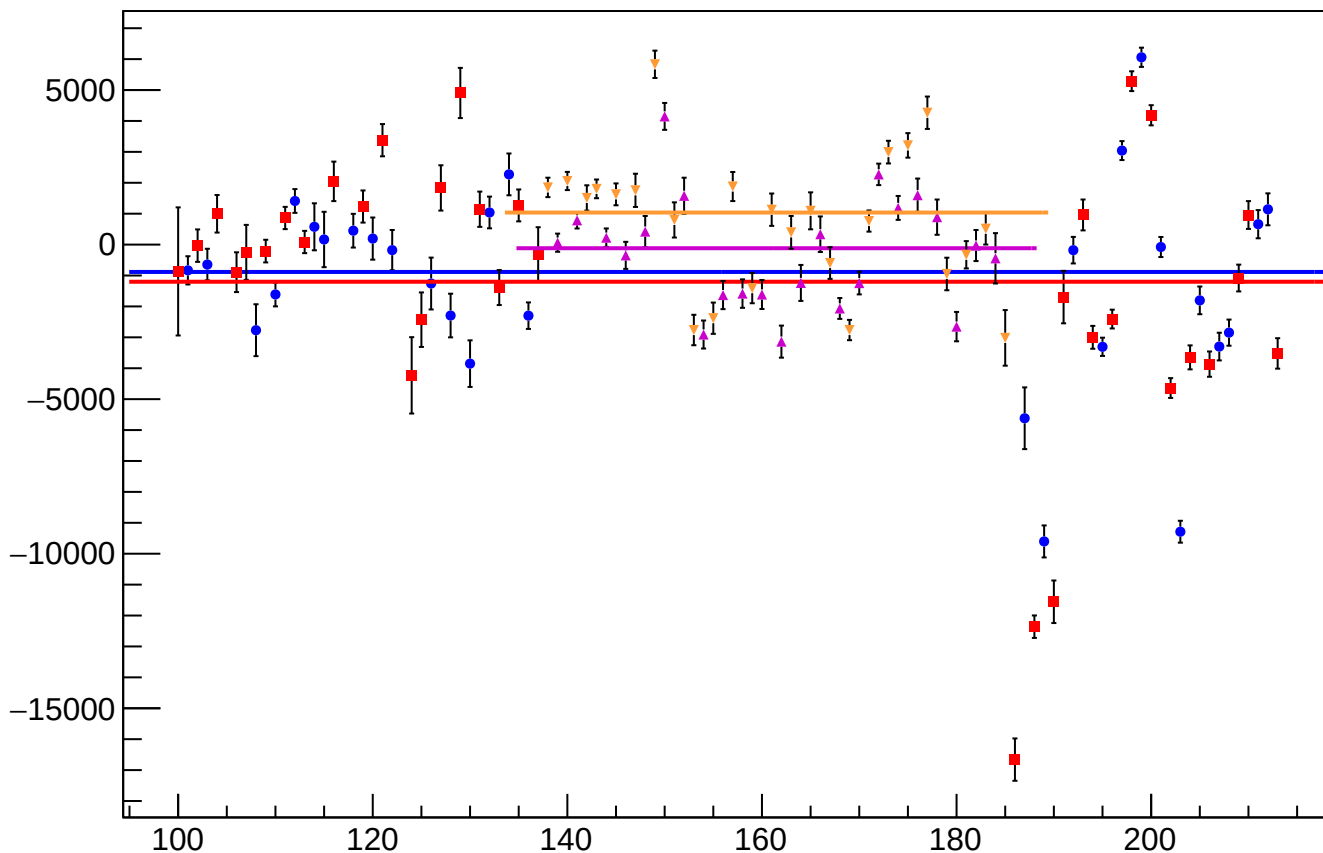
Left In: 289.321 $\pm$ 0.049 χ^2 /NDF: 808605.3/22

+ sign 280.899 $\pm$ 0.034 χ^2 /NDF: 2407086.9/53

All: 283.277 $\pm$ 0.024 χ^2 /NDF: 4890950.0/110

- sign 285.707 $\pm$ 0.034 χ^2 /NDF: 2473812.4/56

asym_bpm0r05WS_mean vs Slug



Right In: -884.630 ± 85.995 $\chi^2/\text{NDF}: 1816.6/28$

Left Out: 1037.330 ± 85.200 $\chi^2/\text{NDF}: 570.2/24$

Right Out: -1201.700 ± 81.436 $\chi^2/\text{NDF}: 2981.9/33$

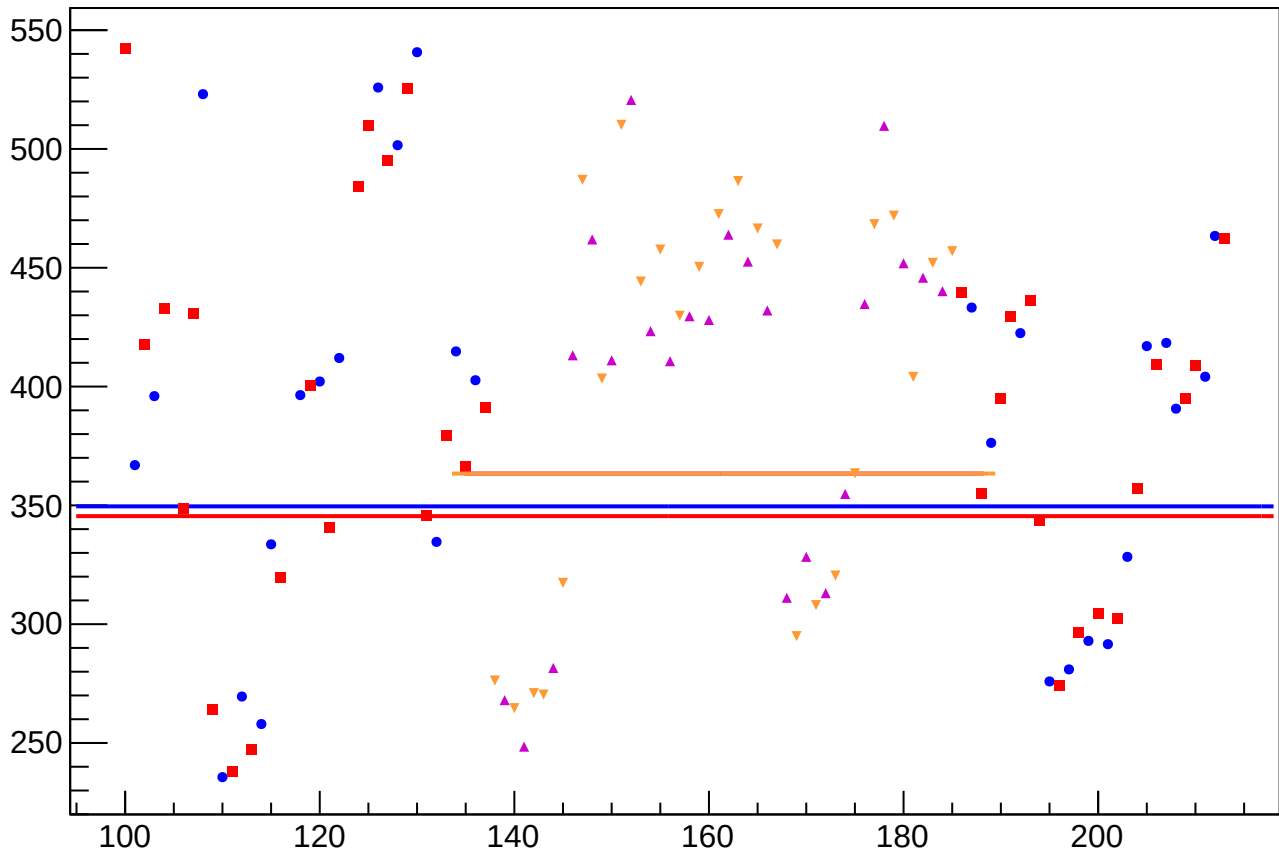
Left In: -117.211 ± 87.461 $\chi^2/\text{NDF}: 370.4/22$

+ sign 85.268 ± 60.525 $\chi^2/\text{NDF}: 2638.9/53$

All: -312.437 ± 42.467 $\chi^2/\text{NDF}: 6158.5/110$

- sign -698.091 ± 59.600 $\chi^2/\text{NDF}: 3434.6/56$

asym_bpm0r05WS_rms vs Slug



Right In: 349.586 $\pm$ 0.061 χ^2/NDF : 1477283.9/28

Left Out: 363.387 $\pm$ 0.060 χ^2/NDF : 1940497.4/24

Right Out: 345.466 $\pm$ 0.058 χ^2/NDF : 1447483.2/33

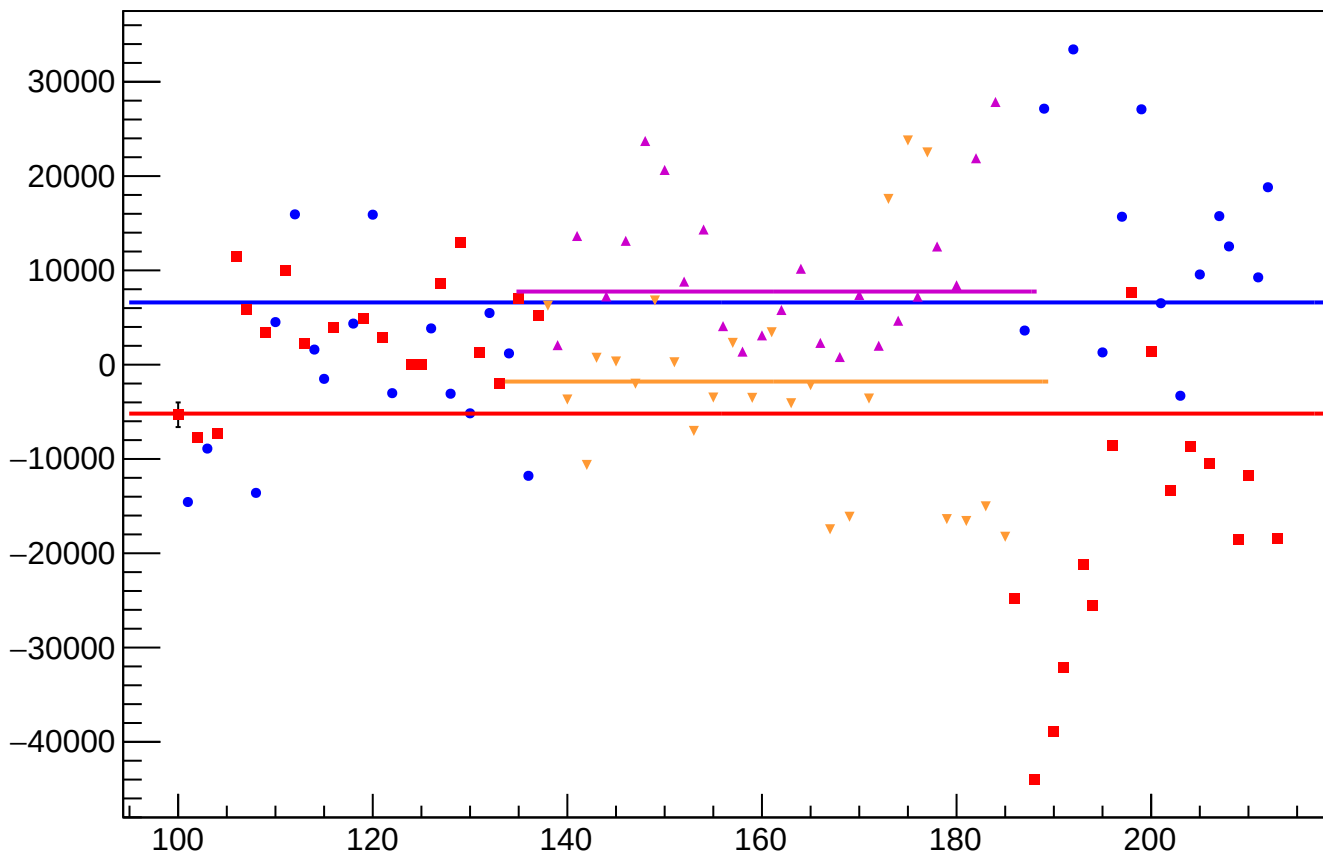
Left In: 363.386 $\pm$ 0.062 χ^2/NDF : 1711599.2/22

+ sign 356.550 $\pm$ 0.043 χ^2/NDF : 3443778.0/53

All: 355.148 $\pm$ 0.030 χ^2/NDF : 6649951.8/110

- sign 353.787 $\pm$ 0.042 χ^2/NDF : 3204057.9/56

asym_bpm0i02WS_mean vs Slug



Right In: 6600.804+/-39.667 χ^2/NDF : 96693.6/28

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

Right Out: -5188.560+/-37.692 χ^2/NDF : 147009.7/33

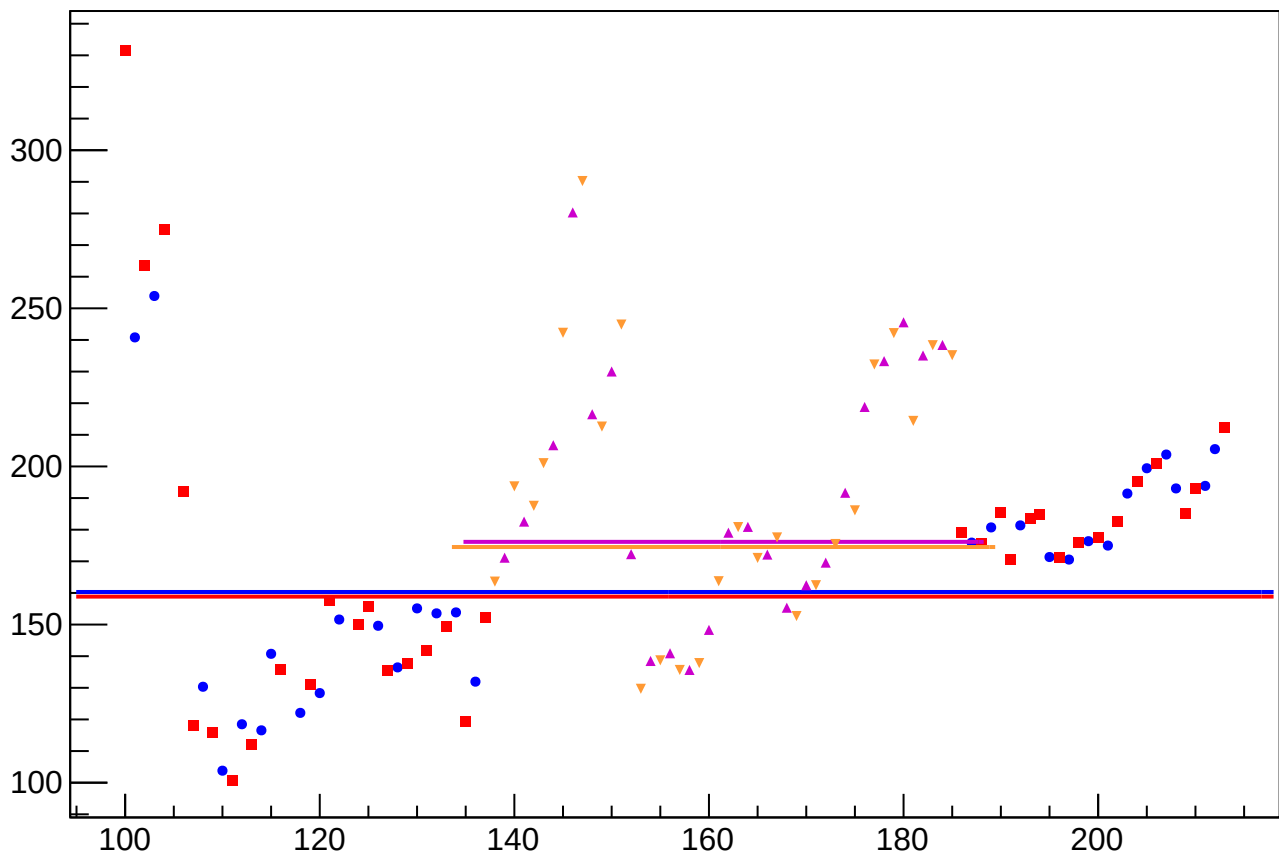
Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

+ sign 2534.688+/-28.478 χ^2/NDF : 184123.7/53

All: 1507.613+/-20.045 χ^2/NDF : 408806.0/11

- sign 499.043+/-28.220 χ^2/NDF : 222104.3/56

asym_bpm0i02WS_rms vs Slug



Right In: 160.303+/-0.028 χ^2/NDF : 1424642.9/28

Left Out: 174.520+/-0.029 χ^2/NDF :1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF : 1829890.9/33

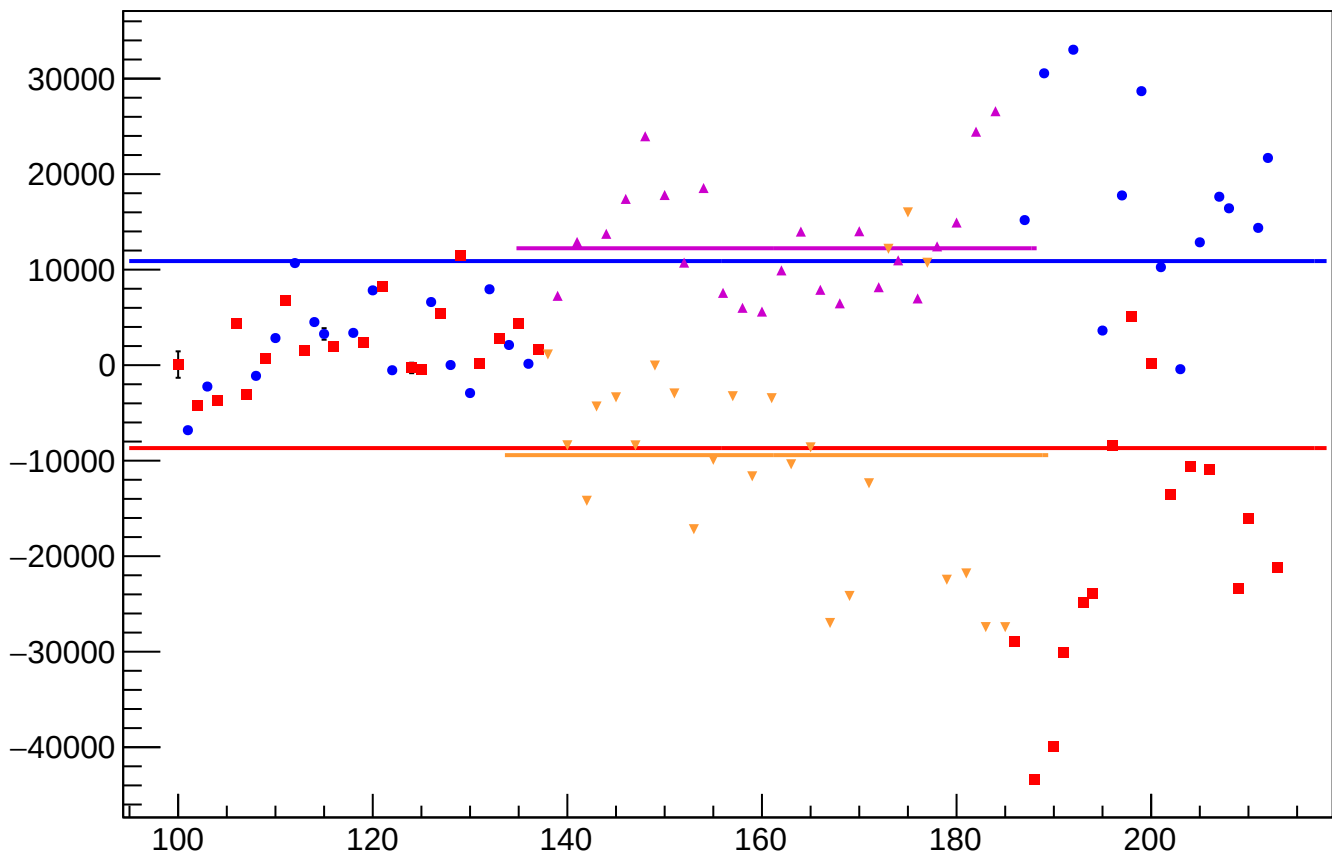
Left In: 176.155+/-0.030 χ^2/NDF :1367059.2/22

+ sign 167.192+/-0.020 χ^2/NDF : 3208616.3/53

All: 166.818+/-0.014 χ^2/NDF : 6591646.1/110

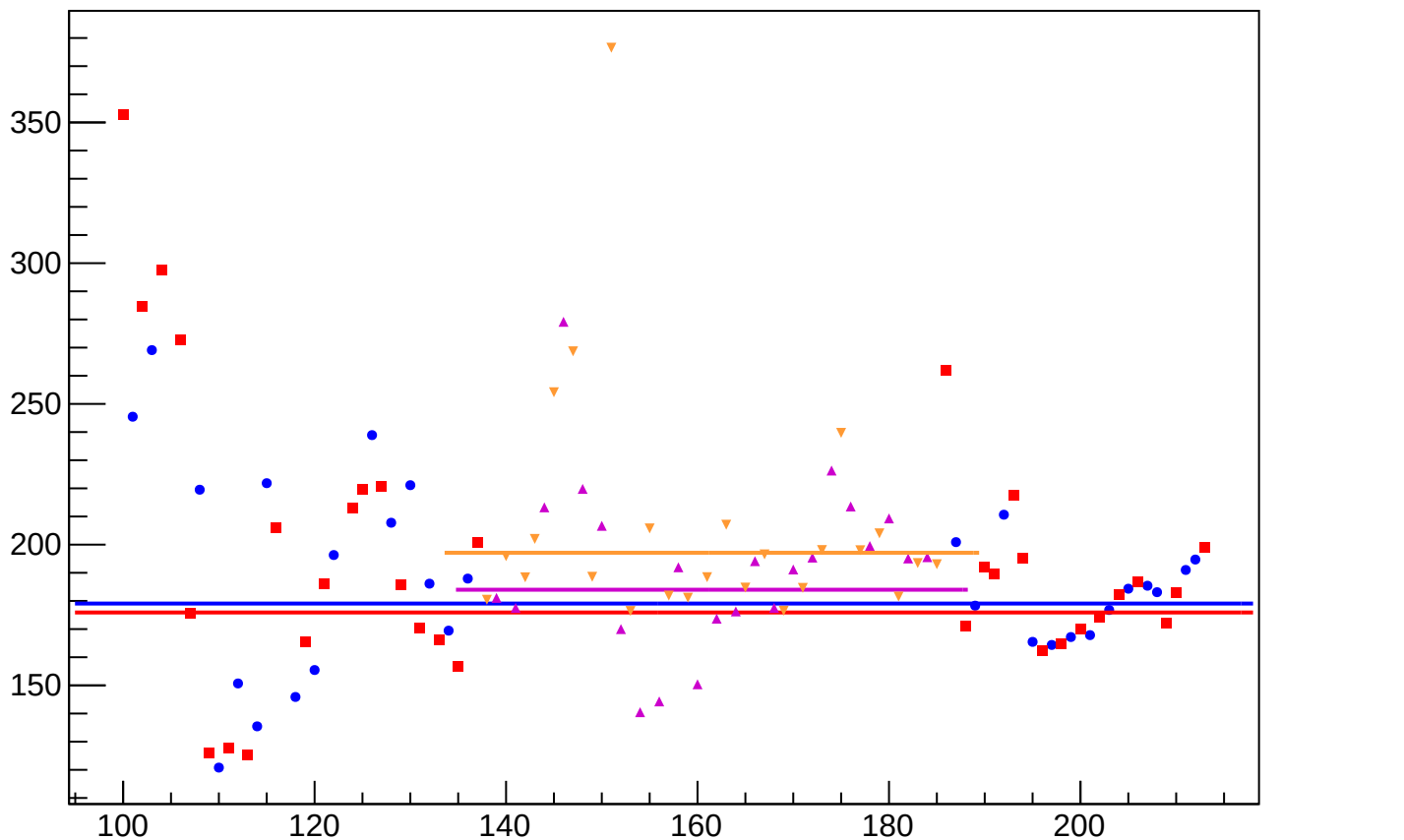
- sign 166.450+/-0.020 χ^2/NDF : 3382344.4/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10896.848+/-43.738	χ^2/NDF : 56802.1/28	+ sign 1183.366+/-31.598	χ^2/NDF : 224682.9/53
Left Out: -9420.181+/-45.698	χ^2/NDF : 64719.0/24	All: 1131.163+/-21.830	χ^2/NDF : 478522.0/11
Right Out: -8681.920+/-41.350	χ^2/NDF : 118335.7/33	- sign 1083.493+/-30.195	χ^2/NDF : 253833.9/56
Left In: 12238.678+/-44.195	χ^2/NDF : 16015.8/22		

asym_bpm0i02aWS_rms vs Slug



Right In: 179.071+/-0.031 χ^2/NDF : 785269.5/28

Left Out: 197.122+/-0.032 χ^2/NDF : 732529.8/24

Right Out: 175.898+/-0.029 χ^2/NDF : 1235363.8/33

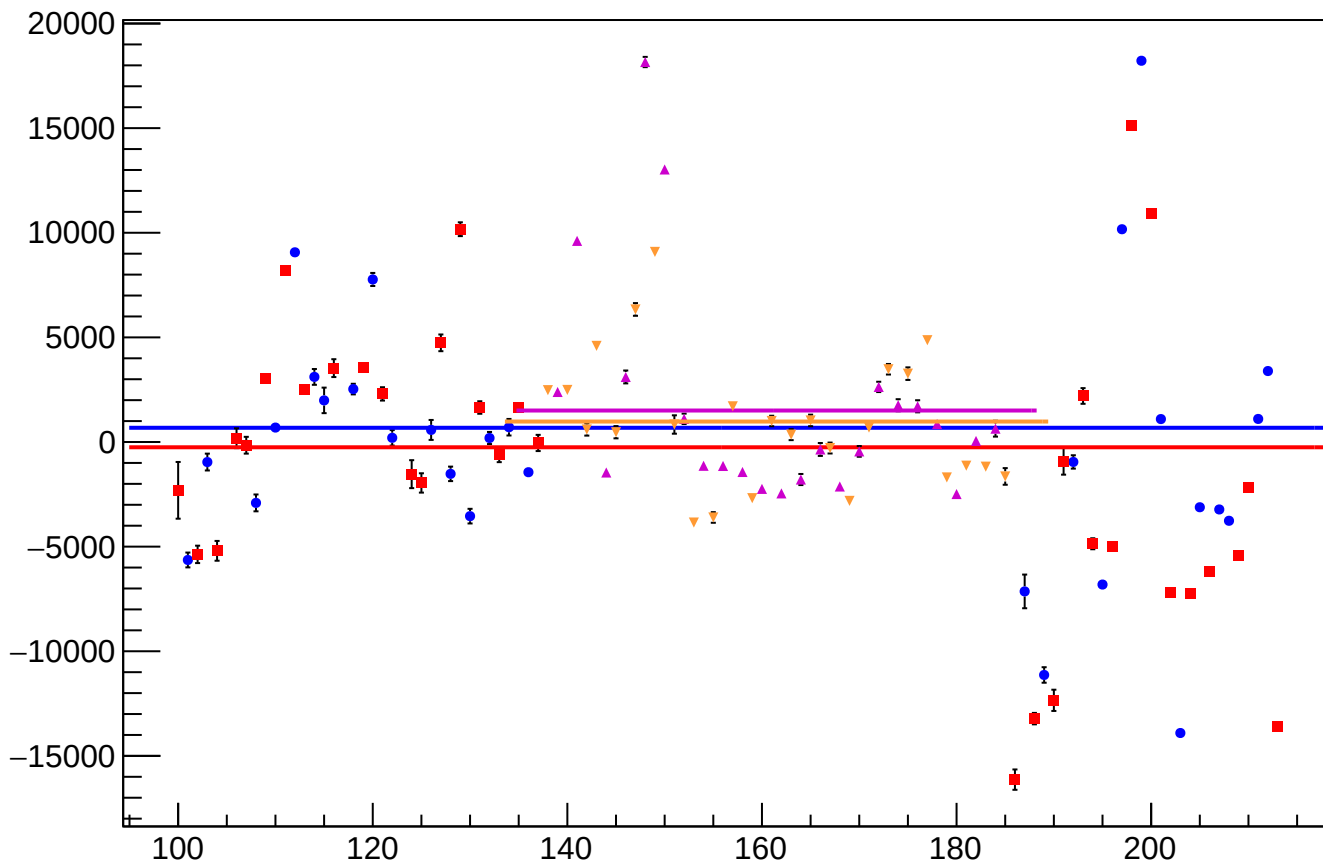
Left In: 183.985+/-0.031 χ^2/NDF : 829778.1/22

+ sign 187.701+/-0.022 χ^2/NDF : 1680671.3/53

All: 183.505+/-0.015 χ^2/NDF : 3849015.6/110

- sign 179.673+/-0.021 χ^2/NDF : 2100856.6/56

asym_bpm0i05WS_mean vs Slug



Right In: 680.062 $\pm$ 49.114 χ^2 /NDF: 21595.6/28

Left Out: 978.429 $\pm$ 49.607 χ^2 /NDF:4322.9/24

Right Out: -251.866 $\pm$ 46.515 χ^2 /NDF: 25350.0/33

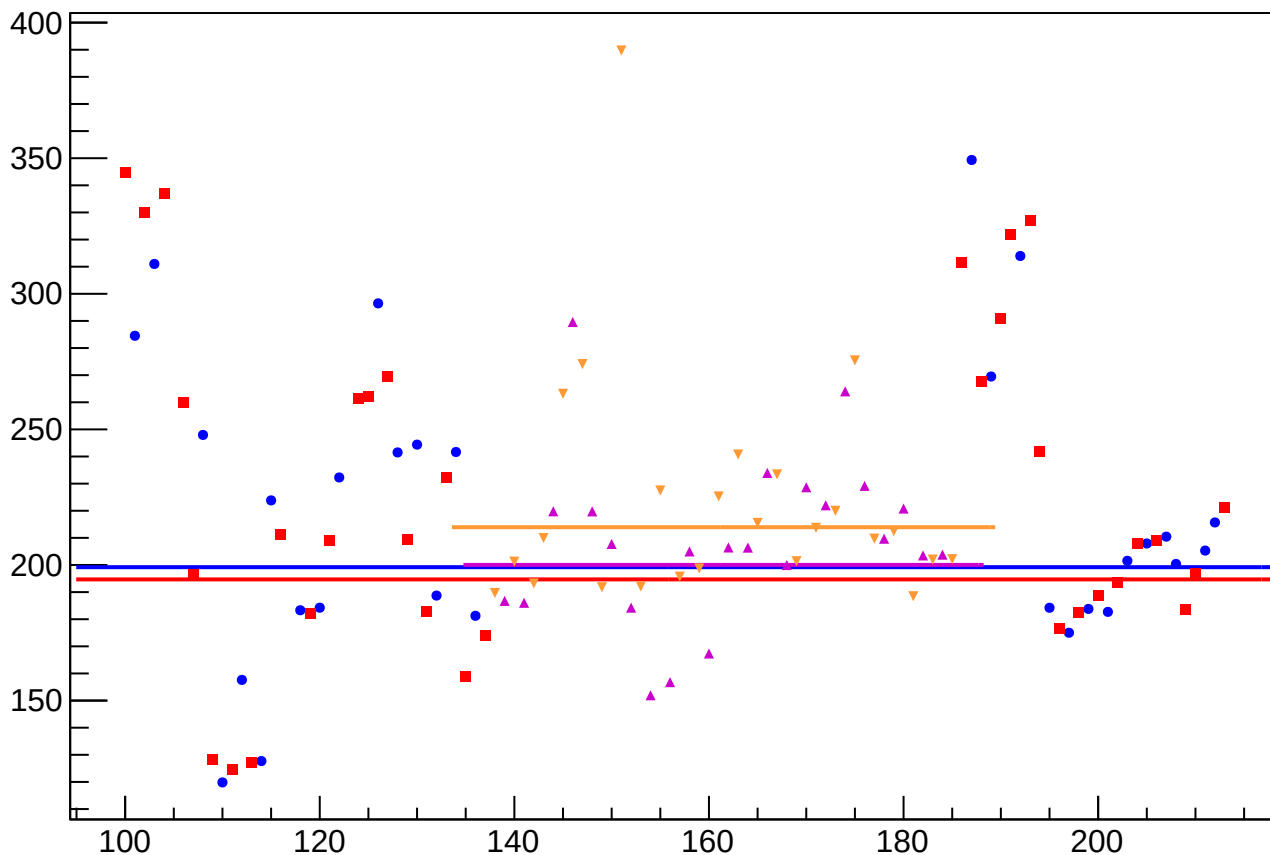
Left In: 1505.093 $\pm$ 48.051 χ^2 /NDF:11480.6/22

+ sign 827.755 $\pm$ 34.902 χ^2 /NDF: 25936.8/53

All: 707.951 $\pm$ 24.139 χ^2 /NDF: 63480.2/110

- sign 598.096 $\pm$ 33.421 χ^2 /NDF: 37520.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 199.191 $\pm$ 0.035 χ^2 /NDF: 1463424.2/28

Left Out: 213.931 $\pm$ 0.035 χ^2 /NDF: 733638.6/24

Right Out: 194.688 $\pm$ 0.033 χ^2 /NDF: 2286943.6/33

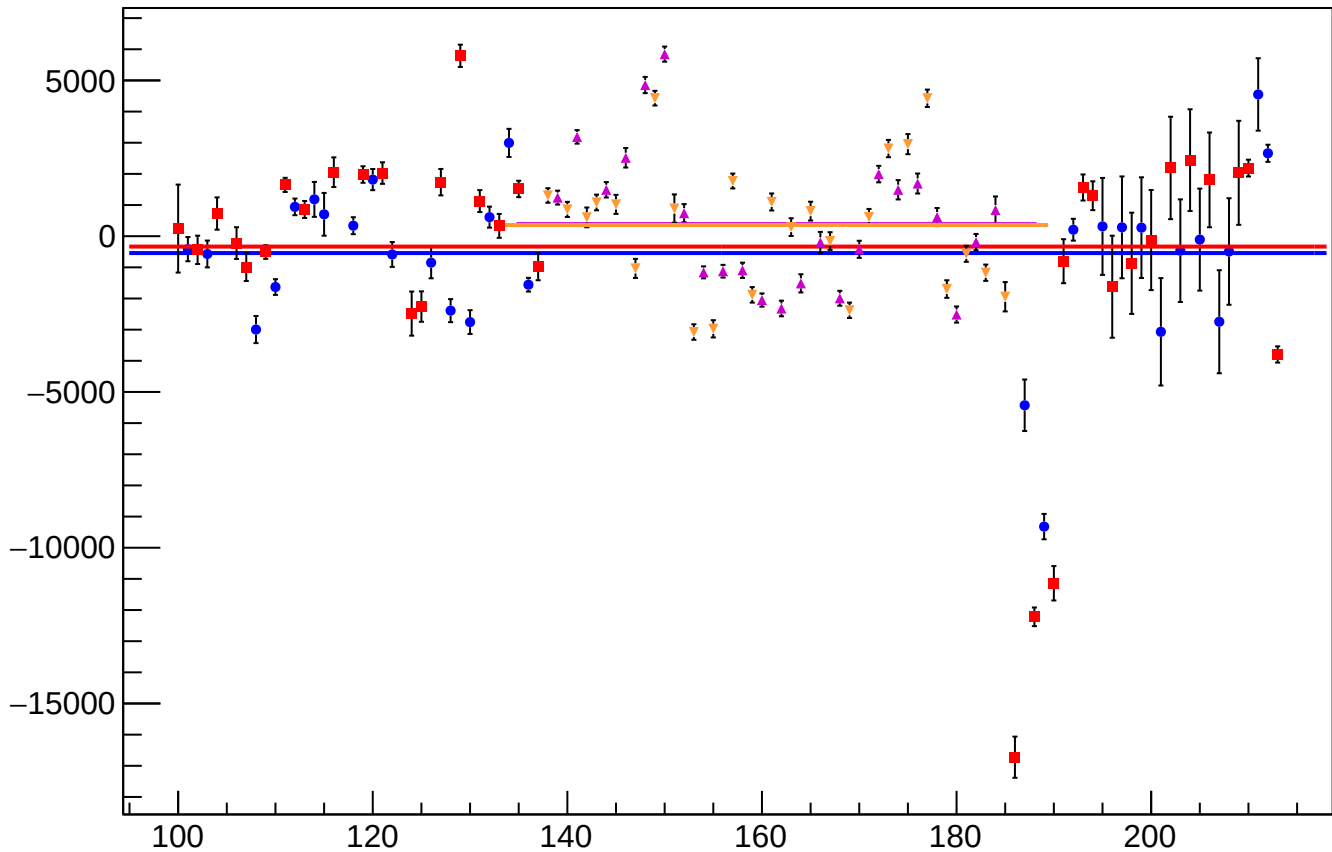
Left In: 200.031 $\pm$ 0.034 χ^2 /NDF: 785525.4/22

+ sign 206.487 $\pm$ 0.025 χ^2 /NDF: 2286237.4/53

All: 201.680 $\pm$ 0.017 χ^2 /NDF: 5444193.5/110

- sign 197.273 $\pm$ 0.024 χ^2 /NDF: 3085231.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -541.554 ± 77.693 $\chi^2/\text{NDF}: 970.1/28$

Left Out: 358.680 ± 54.992 $\chi^2/\text{NDF}: 1418.9/24$

Right Out: -333.443 ± 68.540 $\chi^2/\text{NDF}: 3542.8/33$

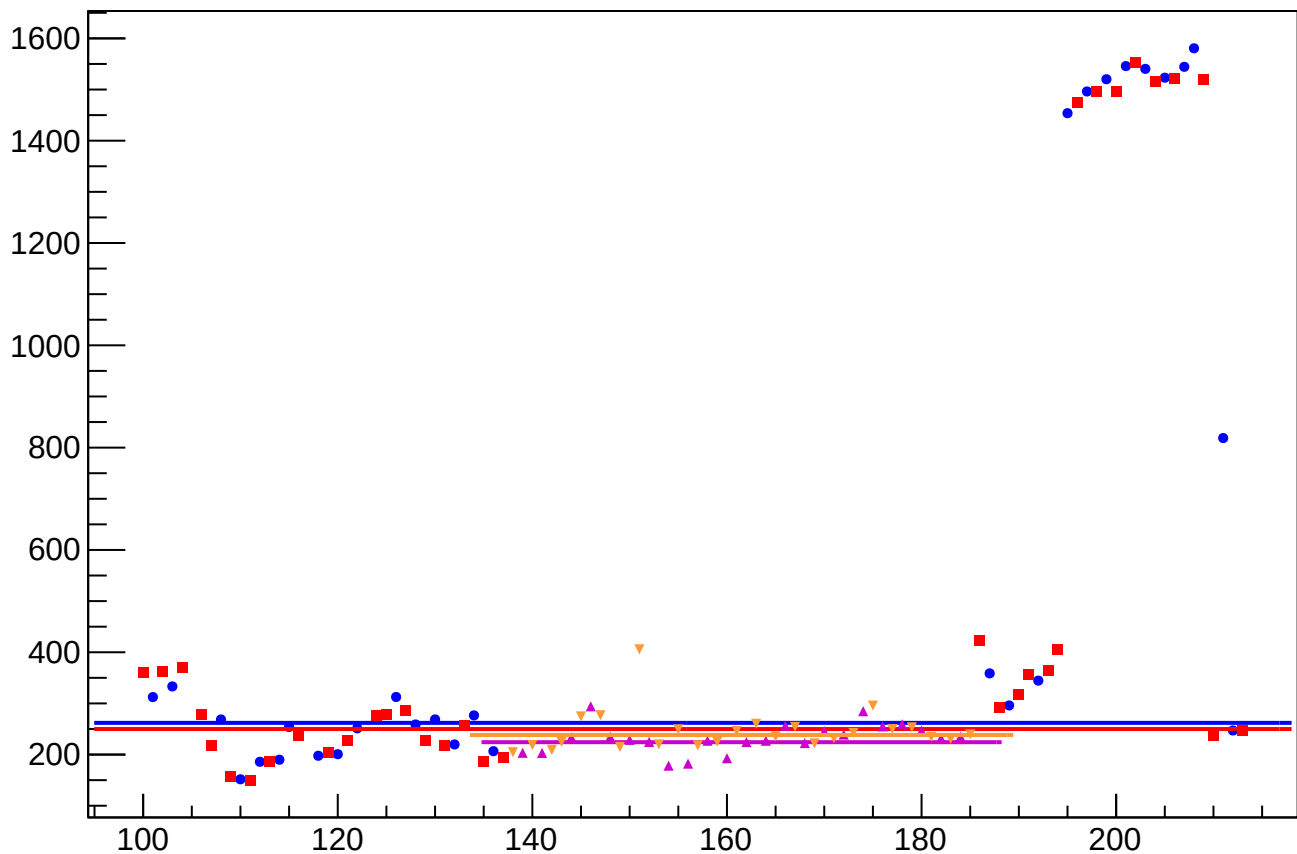
Left In: 386.941 ± 53.528 $\chi^2/\text{NDF}: 1804.2/22$

+ sign 58.209 ± 44.886 $\chi^2/\text{NDF}: 2478.4/53$

All: 87.843 ± 30.741 $\chi^2/\text{NDF}: 7894.8/110$

- sign 114.021 ± 42.187 $\chi^2/\text{NDF}: 5415.6/56$

asym_bpm0i07WS_rms vs Slug



Right In: 261.988+/-0.055 χ^2/NDF : 11058982.0/28

Left Out: 238.199+/-0.039 χ^2/NDF : 567935.3/24

Right Out: 249.916+/-0.048 χ^2/NDF : 10529954.1/33

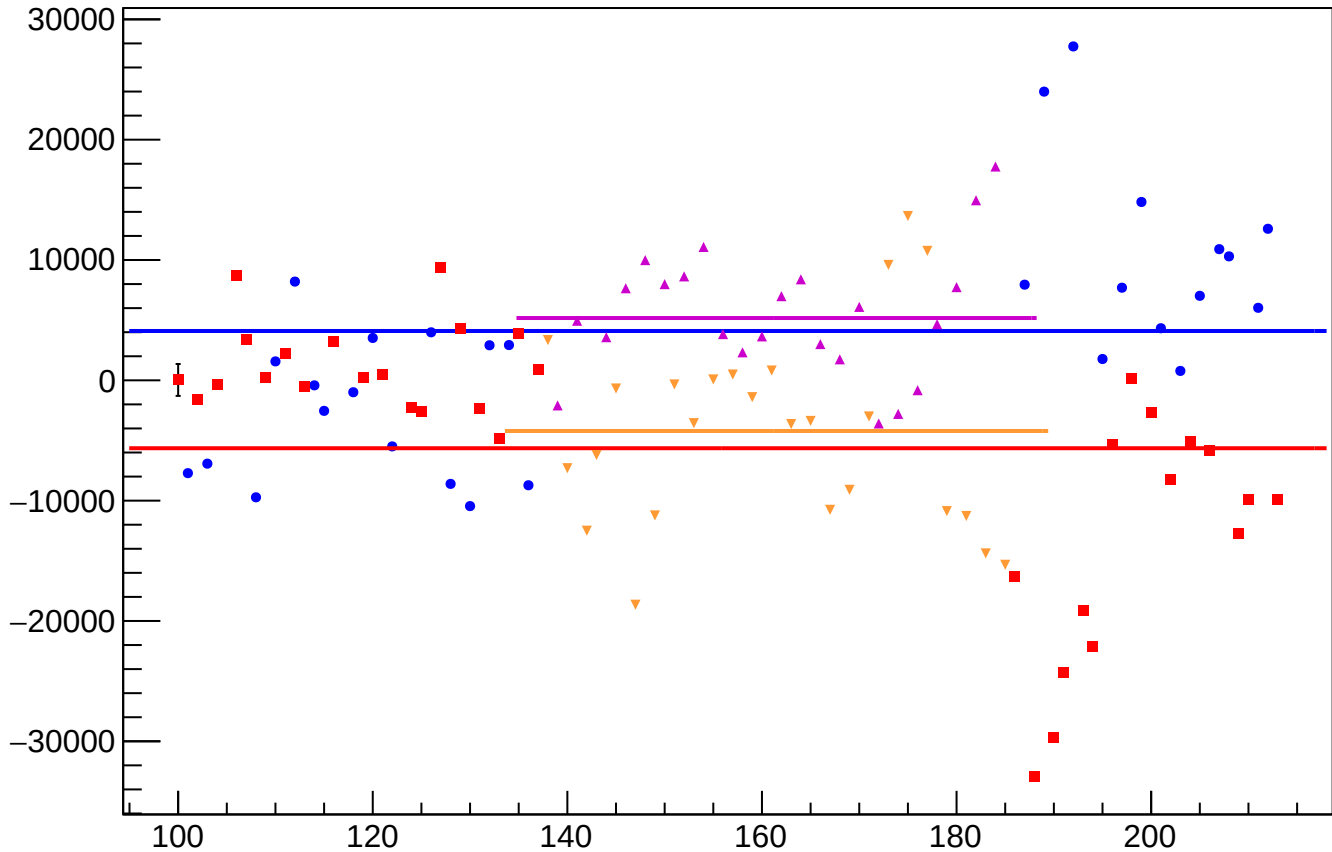
Left In: 224.212+/-0.038 χ^2/NDF : 563231.1/22

+ sign 246.139+/-0.032 χ^2/NDF : 11751839.2/53

All: 239.667+/-0.022 χ^2/NDF : 23098053.7/11

- sign 233.950+/-0.030 χ^2/NDF : 11267900.8/56

asym_bpm1i02WS_mean vs Slug



Right In: 4100.326+/-33.677 χ^2/NDF : 81474.4/28

Left Out: -4210.601+/-30.828 χ^2/NDF : 56802.7/24

Right Out: -5643.449+/-31.831 χ^2/NDF : 105828.2/33

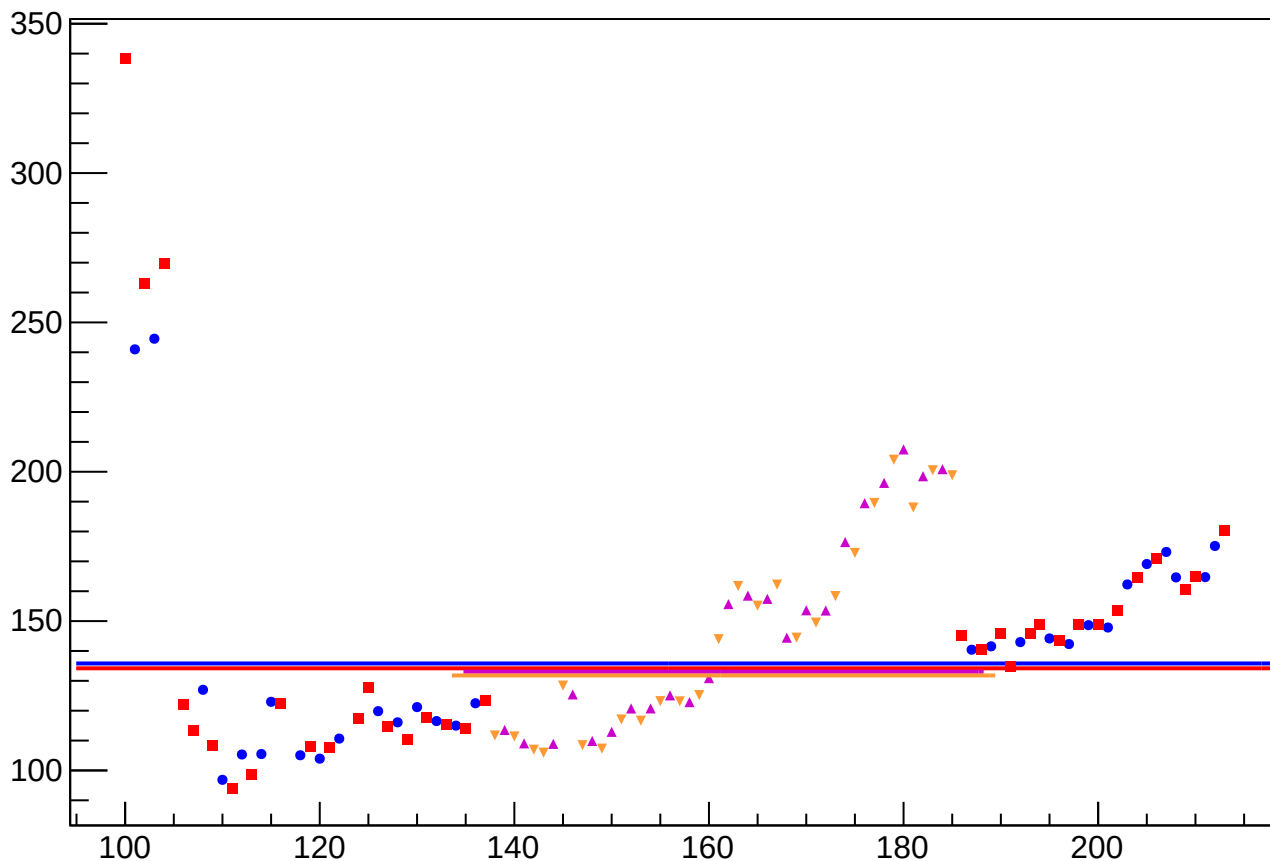
Left In: 5178.213+/-31.969 χ^2/NDF : 18541.3/22

+ sign -421.513+/-22.740 χ^2/NDF : 171412.0/53

All: -338.118+/-16.014 χ^2/NDF : 353348.0/11

- sign -256.059+/-22.557 χ^2/NDF : 181909.4/56

asym_bpm1i02WS_rms vs Slug



Right In: 135.813+/-0.024 χ^2/NDF : 1424192.0/28

Left Out: 131.798+/-0.022 χ^2/NDF :1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF : 1687957.6/33

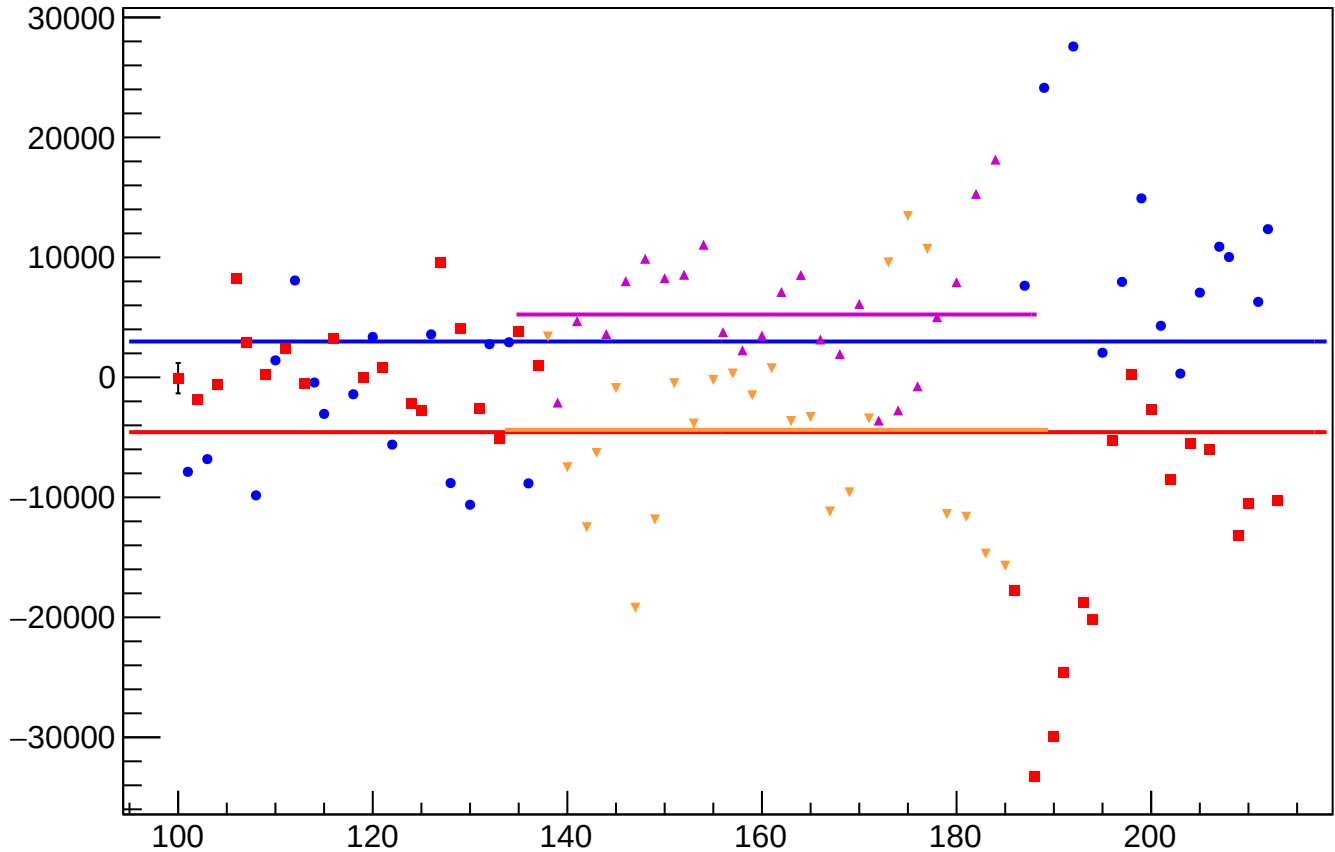
Left In: 133.061+/-0.023 χ^2/NDF :1418252.2/22

+ sign 133.628+/-0.016 χ^2/NDF : 2984001.6/53

All: 133.629+/-0.011 χ^2/NDF : 6091471.6/110

- sign 133.630+/-0.016 χ^2/NDF : 3107470.0/56

asym_bpm1i04WS_mean vs Slug



Right In: 2989.426+/-30.332 χ^2/NDF : 91733.1/28

Left Out: -4372.743+/-27.955 χ^2/NDF : 67218.5/24

Right Out: -4564.310+/-28.824 χ^2/NDF : 116229.5/33

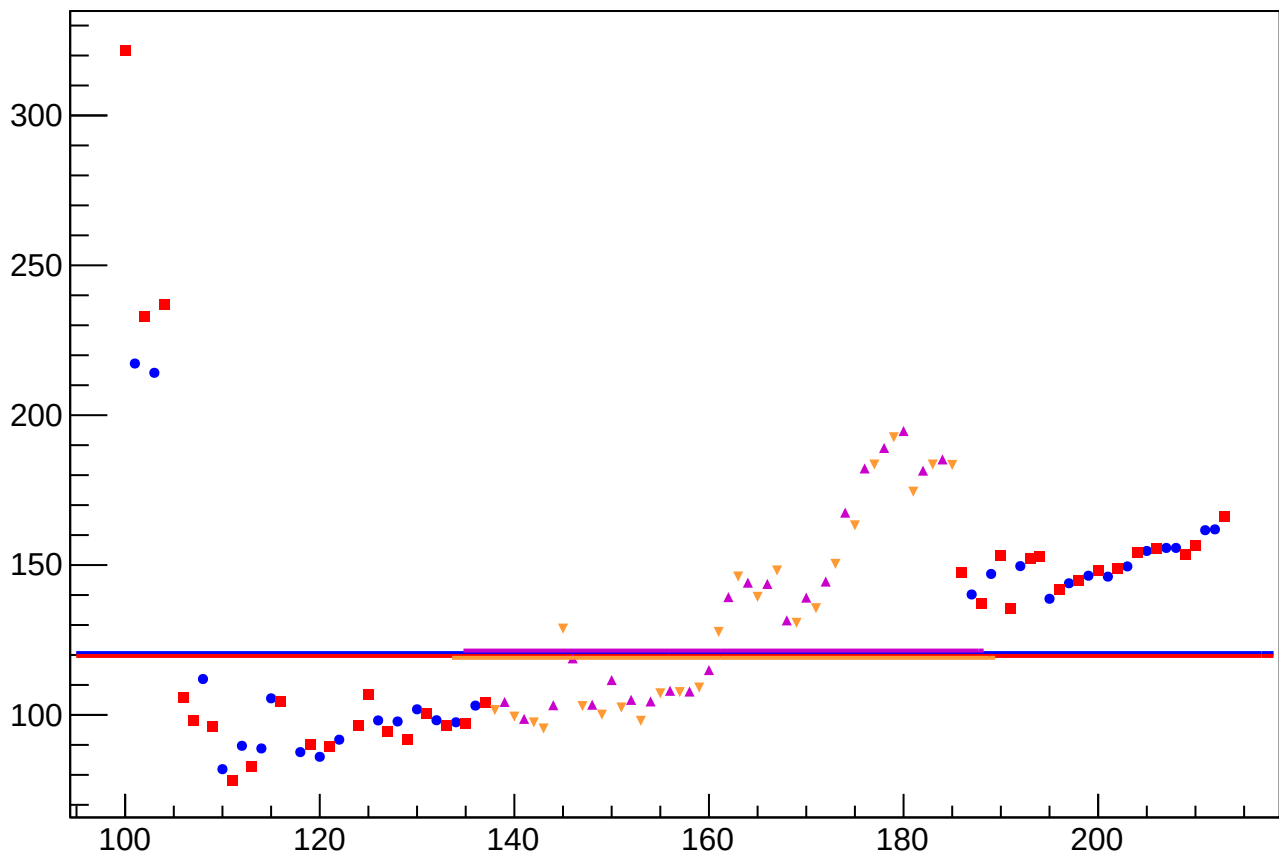
Left In: 5239.784+/-29.252 χ^2/NDF : 22273.2/22

+ sign -991.393+/-20.556 χ^2/NDF : 190806.0/53

All: -362.168+/-14.527 χ^2/NDF : 388175.4/11

- sign 265.508+/-20.531 χ^2/NDF : 195497.8/56

asym_bpm1i04WS_rms vs Slug



Right In: 120.624 $\pm$ 0.021 χ^2 /NDF: 2187553.7/28

Left Out: 119.064 $\pm$ 0.020 χ^2 /NDF:1755428.3/24

Right Out: 119.677 $\pm$ 0.020 χ^2 /NDF: 2601980.2/33

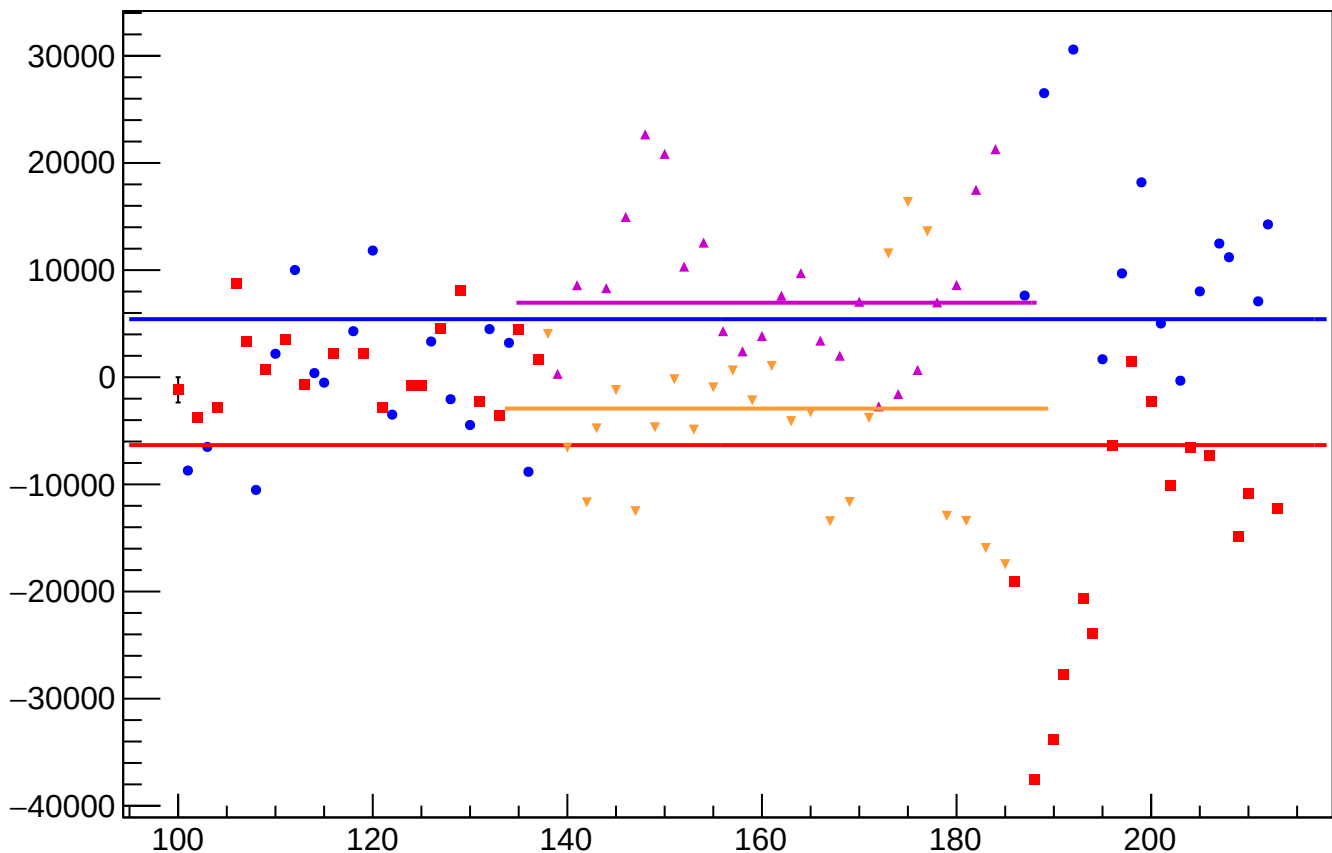
Left In: 121.468 $\pm$ 0.021 χ^2 /NDF:1529379.8/22

+ sign 119.781 $\pm$ 0.015 χ^2 /NDF: 3945841.8/53

All: 120.170 $\pm$ 0.010 χ^2 /NDF: 8082441.8/110

- sign 120.559 $\pm$ 0.015 χ^2 /NDF: 4135163.7/56

asym_bpm1i06WS_mean vs Slug



Right In: 5419.903+/-39.792 χ^2/NDF : 64812.0/28

Left Out: -2923.060+/-38.185 χ^2/NDF : 38052.4/24

Right Out: -6334.912+/-37.835 χ^2/NDF : 95442.7/33

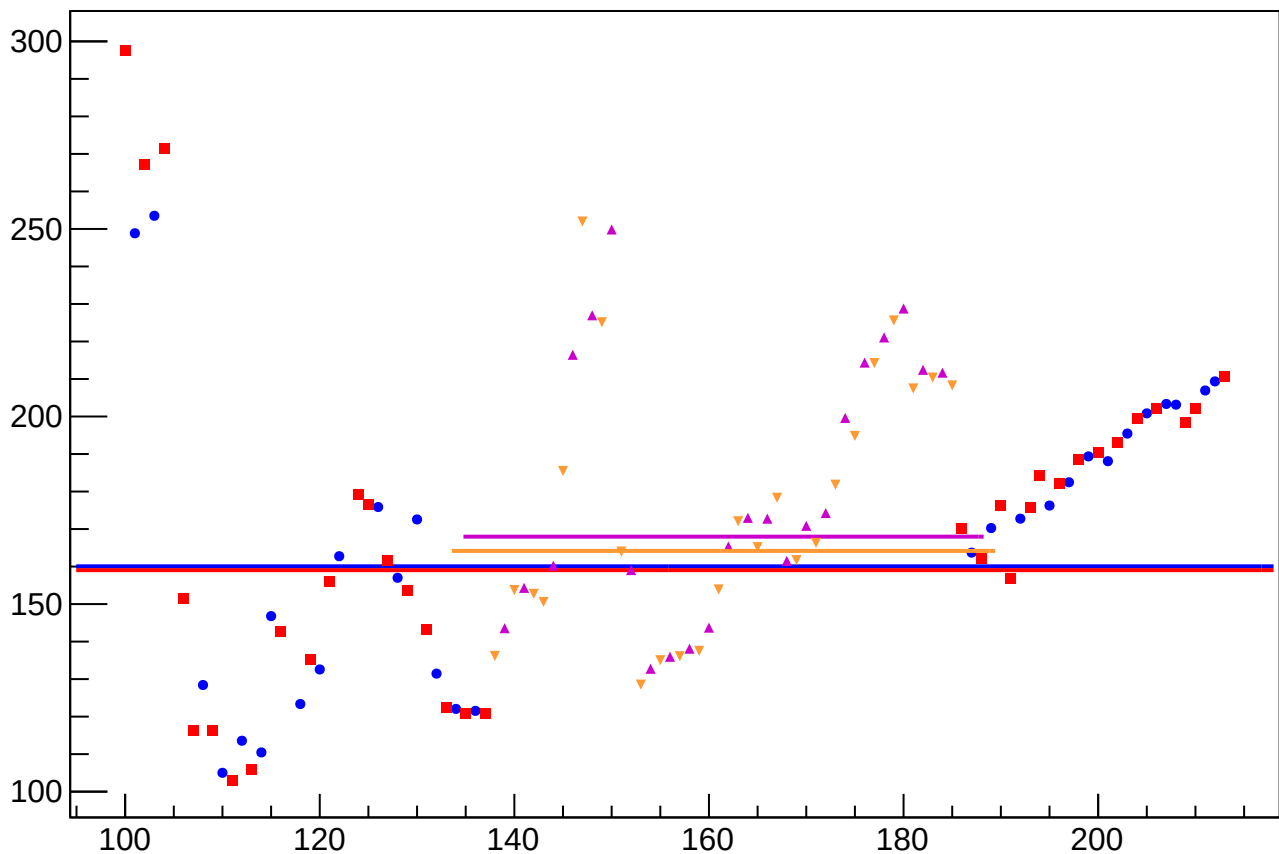
Left In: 6956.884+/-40.245 χ^2/NDF : 22339.0/22

+ sign 1076.568+/-27.551 χ^2/NDF : 125749.7/53

All: 489.183+/-19.487 χ^2/NDF : 302343.9/110

- sign -98.832+/-27.566 χ^2/NDF : 175684.6/56

asym_bpm1i06WS_rms vs Slug



Right In: 160.063 $\pm$ 0.028 χ^2 /NDF: 1778376.0/28

Left Out: 164.172 $\pm$ 0.027 χ^2 /NDF:1224405.6/24

Right Out: 159.043 $\pm$ 0.027 χ^2 /NDF: 2003438.4/33

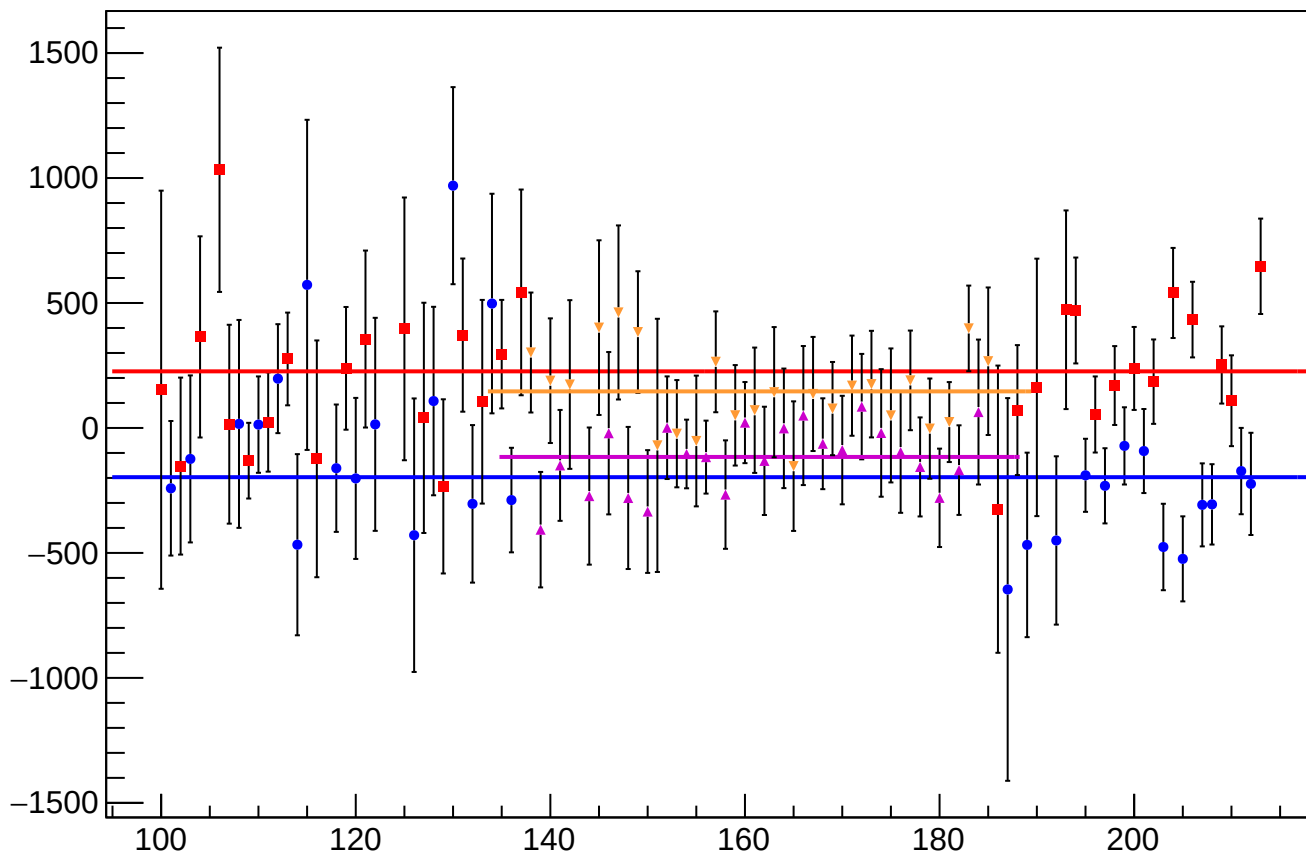
Left In: 167.975 $\pm$ 0.028 χ^2 /NDF:1222745.4/22

+ sign 162.202 $\pm$ 0.019 χ^2 /NDF: 3013884.8/53

All: 162.718 $\pm$ 0.014 χ^2 /NDF: 6293766.5/110

- sign 163.234 $\pm$ 0.019 χ^2 /NDF: 3278481.4/56

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -196.936 ± 42.319 $\chi^2/\text{NDF}: 29.2/28$

Left Out: 146.352 ± 46.929 $\chi^2/\text{NDF}: 10.0/23$

Right Out: 226.487 ± 41.076 $\chi^2/\text{NDF}: 29.3/31$

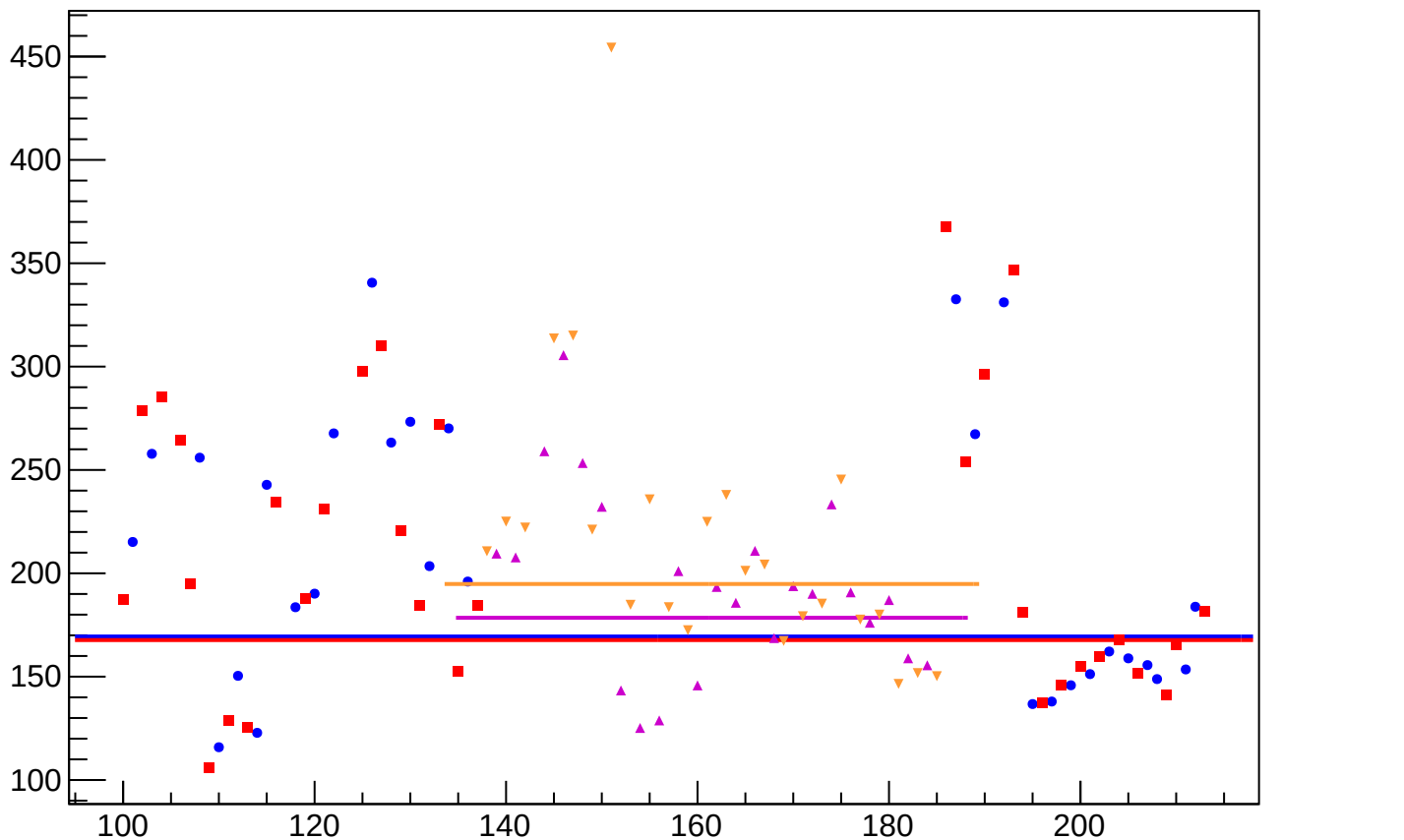
Left In: -115.974 ± 43.605 $\chi^2/\text{NDF}: 7.6/22$

+ sign -42.978 ± 31.428 $\chi^2/\text{NDF}: 68.6/52$

All: 13.948 ± 21.662 $\chi^2/\text{NDF}: 144.5/107$

- sign 65.472 ± 29.899 $\chi^2/\text{NDF}: 69.6/54$

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 169.425 $\pm$ 0.030 χ^2 /NDF: 2286400.6/28

Left Out: 194.828 $\pm$ 0.033 χ^2 /NDF:1752475.1/23

Right Out: 167.703 $\pm$ 0.029 χ^2 /NDF: 2823190.5/31

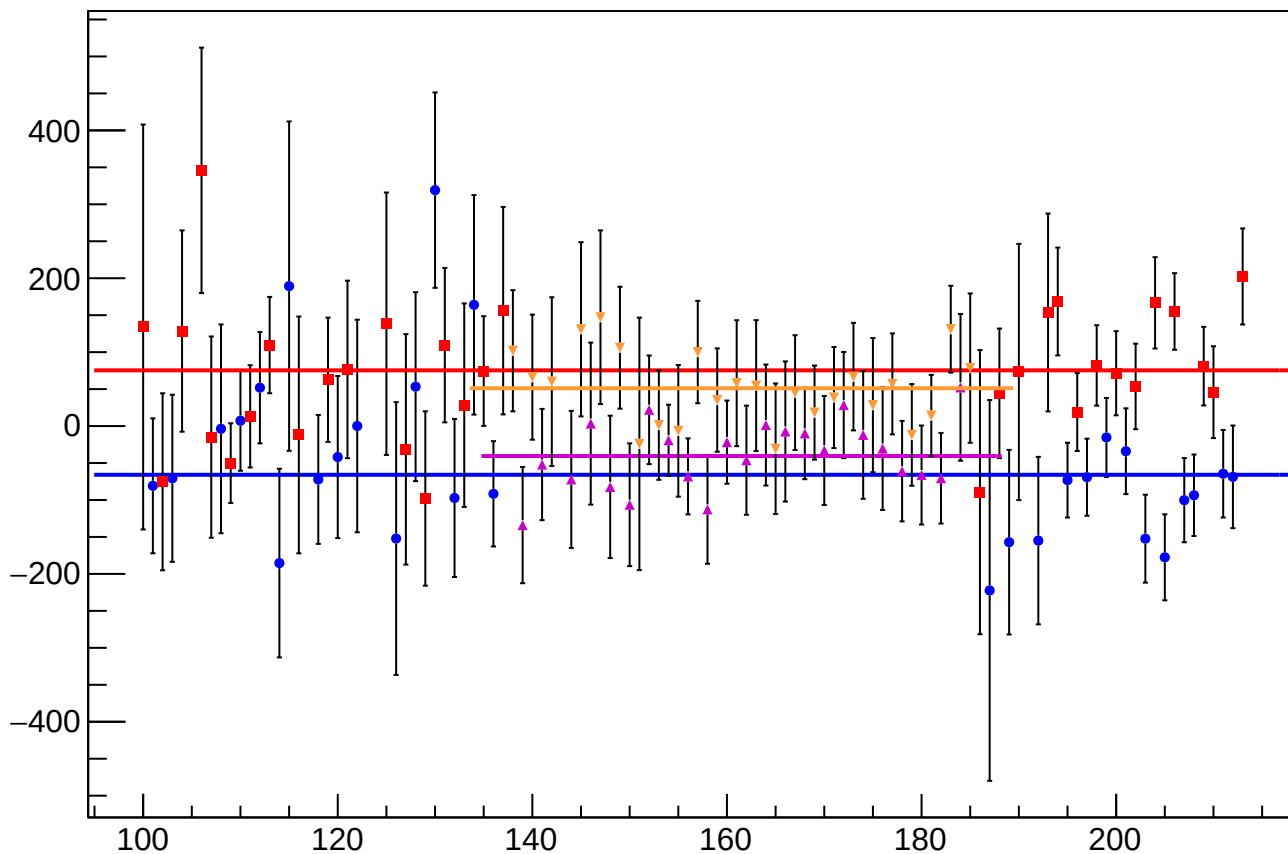
Left In: 178.475 $\pm$ 0.031 χ^2 /NDF:1676266.4/22

+ sign 180.818 $\pm$ 0.022 χ^2 /NDF: 4362097.0/52

All: 176.592 $\pm$ 0.015 χ^2 /NDF: 8995102.5/107

- sign 172.768 $\pm$ 0.021 χ^2 /NDF: 4564128.6/54

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -65.909 $\pm$ 14.527 χ^2/NDF : 27.6/28

Left Out: 51.161 $\pm$ 16.037 χ^2/NDF : 8.1/23

Right Out: 75.384 $\pm$ 14.126 χ^2/NDF : 27.8/31

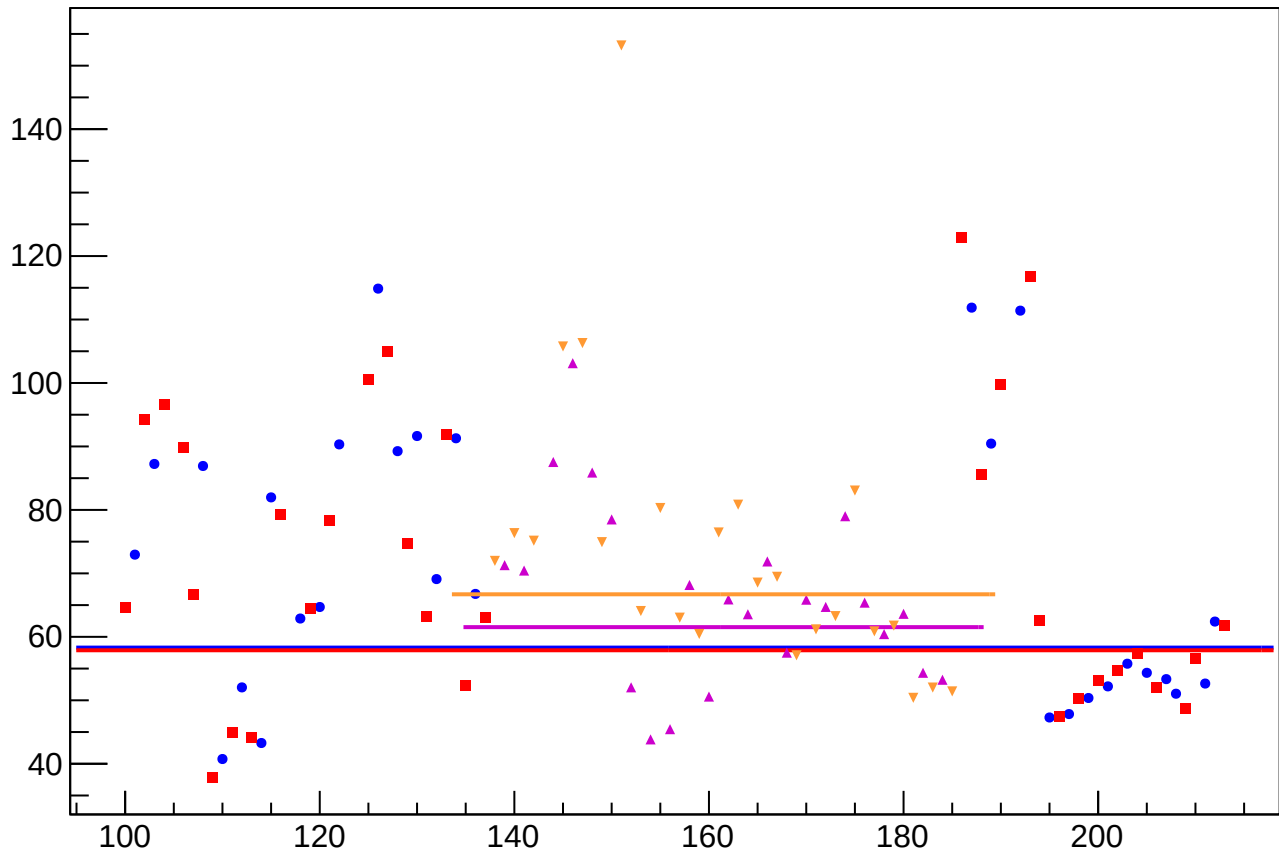
Left In: -40.540 $\pm$ 14.978 χ^2/NDF : 7.9/22

+ sign -13.145 $\pm$ 10.766 χ^2/NDF : 65.0/52

All: 4.623 $\pm$ 7.434 χ^2/NDF : 137.6/107

- sign 20.811 $\pm$ 10.277 χ^2/NDF : 67.3/54

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.304 ± 0.010 χ^2/NDF : 2143533.6/28

Left Out: 66.703 ± 0.011 χ^2/NDF : 1676329.9/23

Right Out: 57.884 ± 0.010 χ^2/NDF : 2624738.8/31

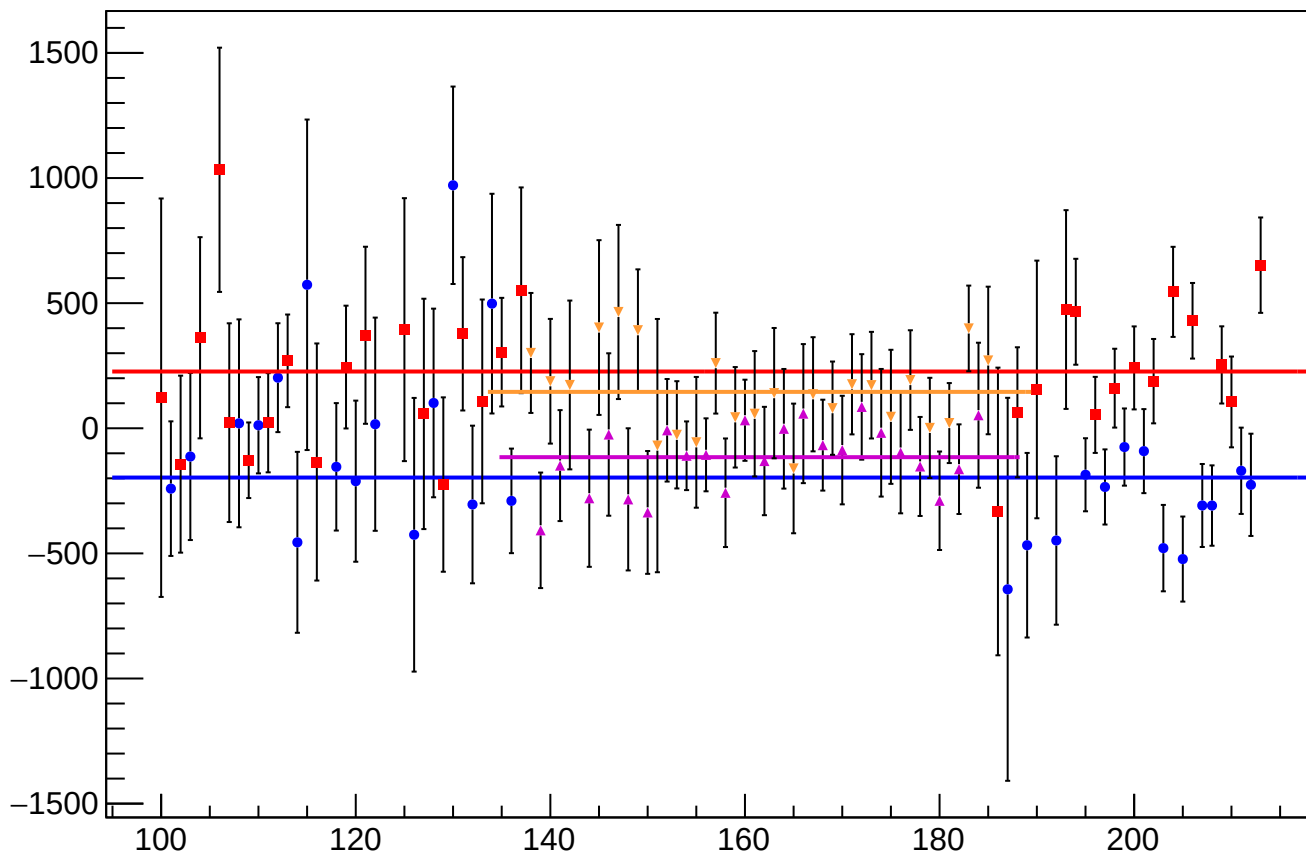
Left In: 61.529 ± 0.011 χ^2/NDF : 1489848.4/22

+ sign 62.090 ± 0.008 χ^2/NDF : 4121187.2/52

All: 60.787 ± 0.005 χ^2/NDF : 8354429.4/107

- sign 59.600 ± 0.007 χ^2/NDF : 4177274.2/54

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -196.915 $\pm$ 42.265 χ^2/NDF : 29.3/28

Left Out: 145.476 $\pm$ 46.889 χ^2/NDF : 10.2/23

Right Out: 226.815 $\pm$ 41.024 χ^2/NDF : 29.5/31

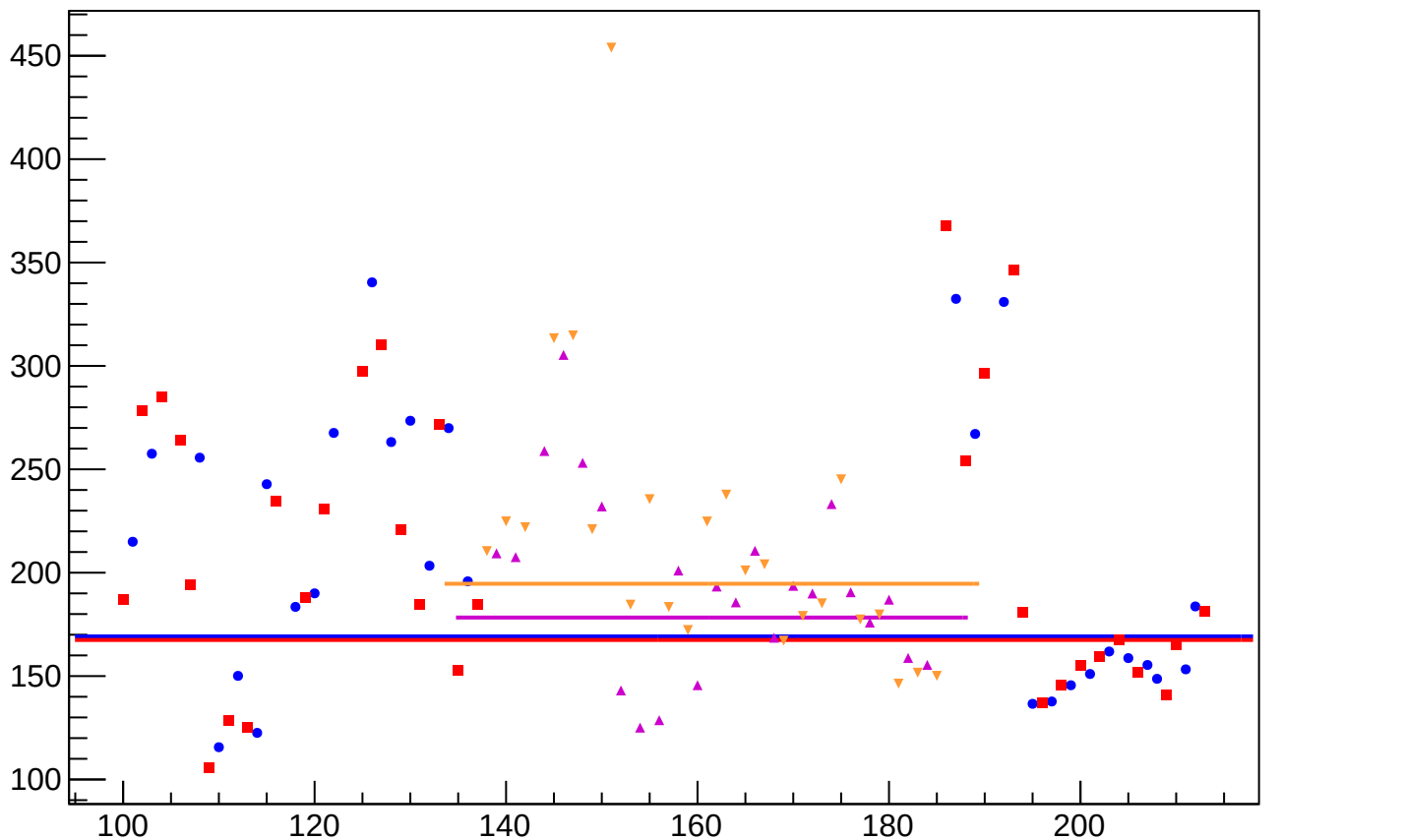
Left In: -115.487 $\pm$ 43.568 χ^2/NDF : 7.8/22

+ sign -43.430 $\pm$ 31.394 χ^2/NDF : 69.0/52

All: 13.982 $\pm$ 21.639 χ^2/NDF : 145.3/107

- sign 65.947 $\pm$ 29.867 χ^2/NDF : 70.0/54

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 169.193+/-0.030 χ^2/NDF : 2292897.8/28

Left Out: 194.659+/-0.033 χ^2/NDF :1753119.9/23

Right Out: 167.469+/-0.029 χ^2/NDF : 2831613.9/31

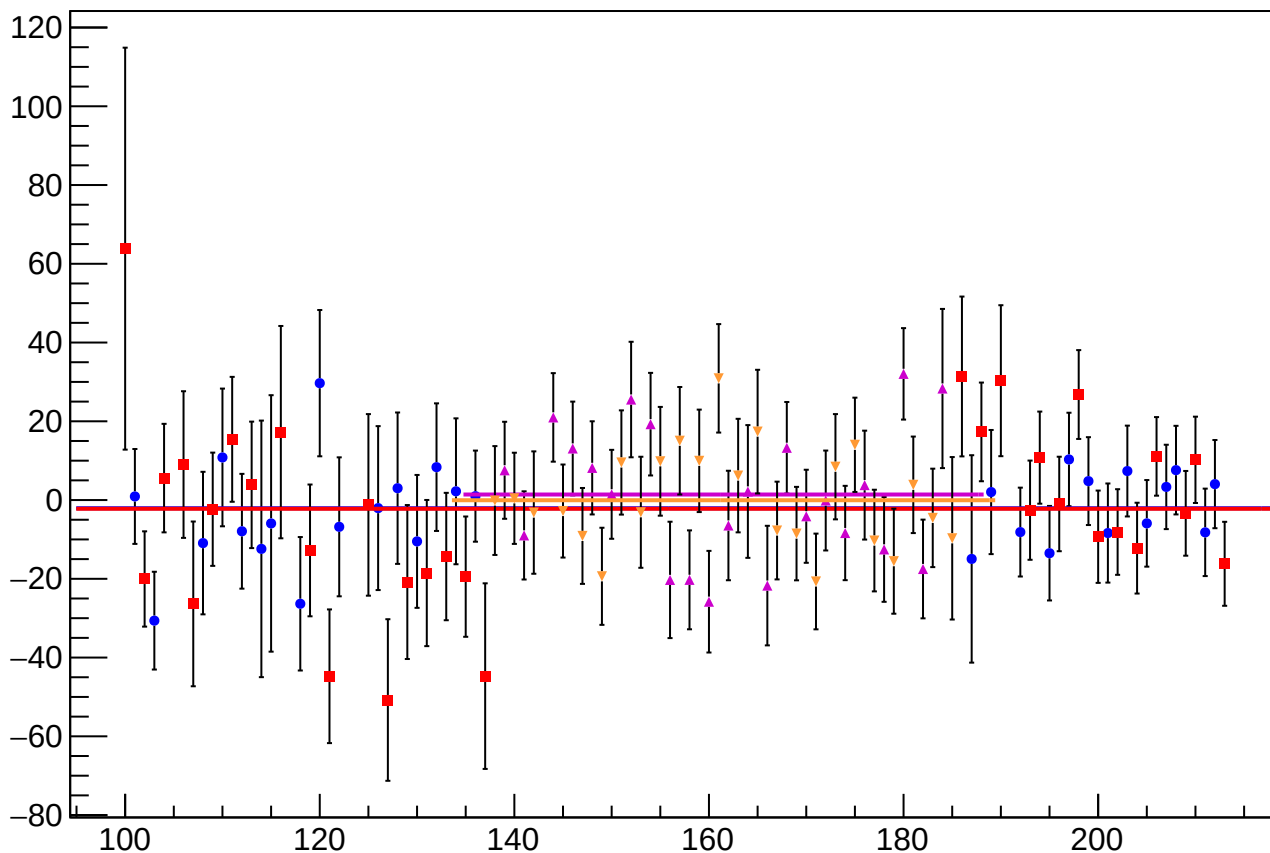
Left In: 178.318+/-0.031 χ^2/NDF :1678336.4/22

+ sign 180.609+/-0.022 χ^2/NDF : 4371509.1/52

All: 176.388+/-0.015 χ^2/NDF : 9016071.0/107

- sign 172.567+/-0.021 χ^2/NDF : 4575683.7/54

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.089 ± 2.592 $\chi^2/\text{NDF}: 17.9/28$

Left Out: -0.047 ± 2.685 $\chi^2/\text{NDF}: 20.5/23$

Right Out: -2.210 ± 2.520 $\chi^2/\text{NDF}: 48.9/31$

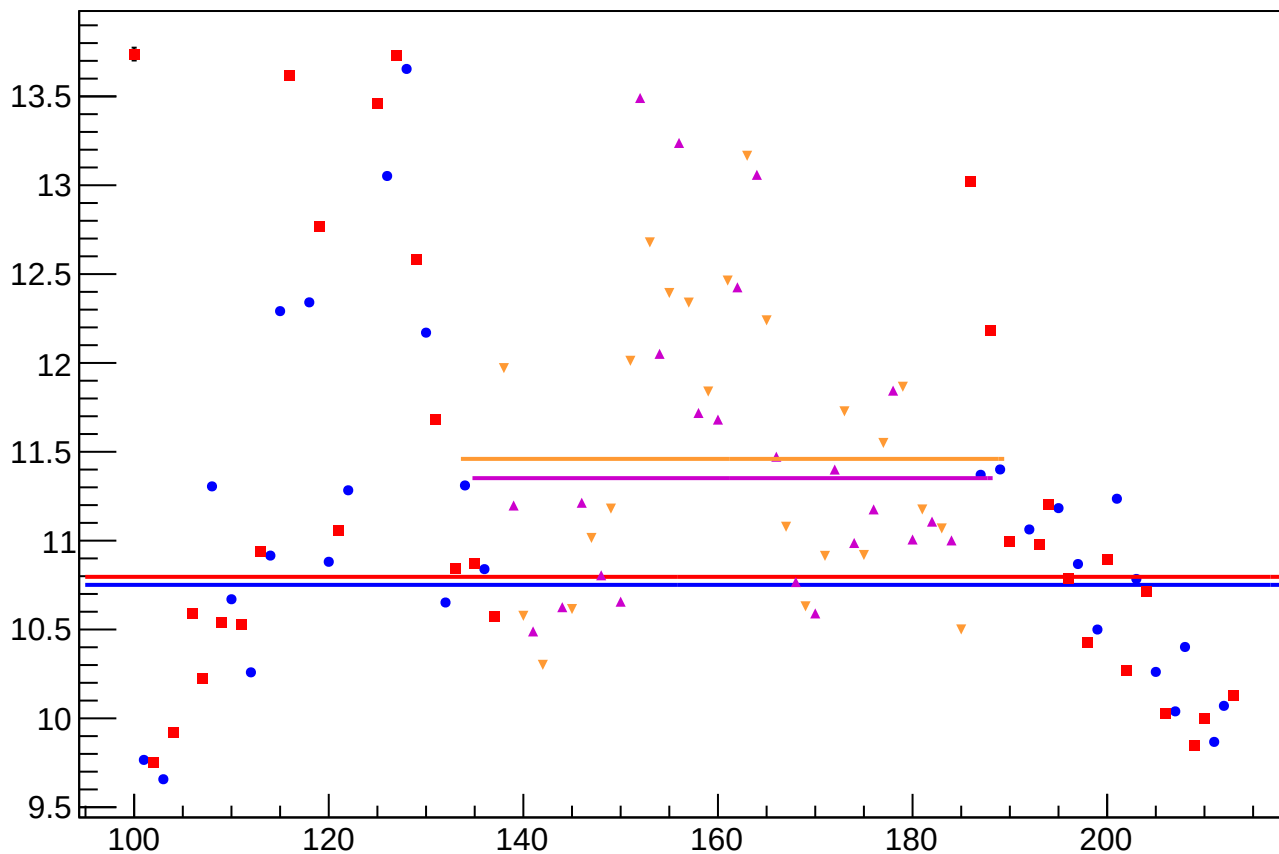
Left In: 1.407 ± 2.674 $\chi^2/\text{NDF}: 36.3/22$

+ sign -1.104 ± 1.865 $\chi^2/\text{NDF}: 38.7/52$

All: -0.801 ± 1.308 $\chi^2/\text{NDF}: 125.0/107$

- sign -0.509 ± 1.834 $\chi^2/\text{NDF}: 86.2/54$

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.751 ± 0.002 χ^2/NDF : 190958.7/28

Left Out: 11.460 ± 0.002 χ^2/NDF : 150430.0/23

Right Out: 10.796 ± 0.002 χ^2/NDF : 276732.1/31

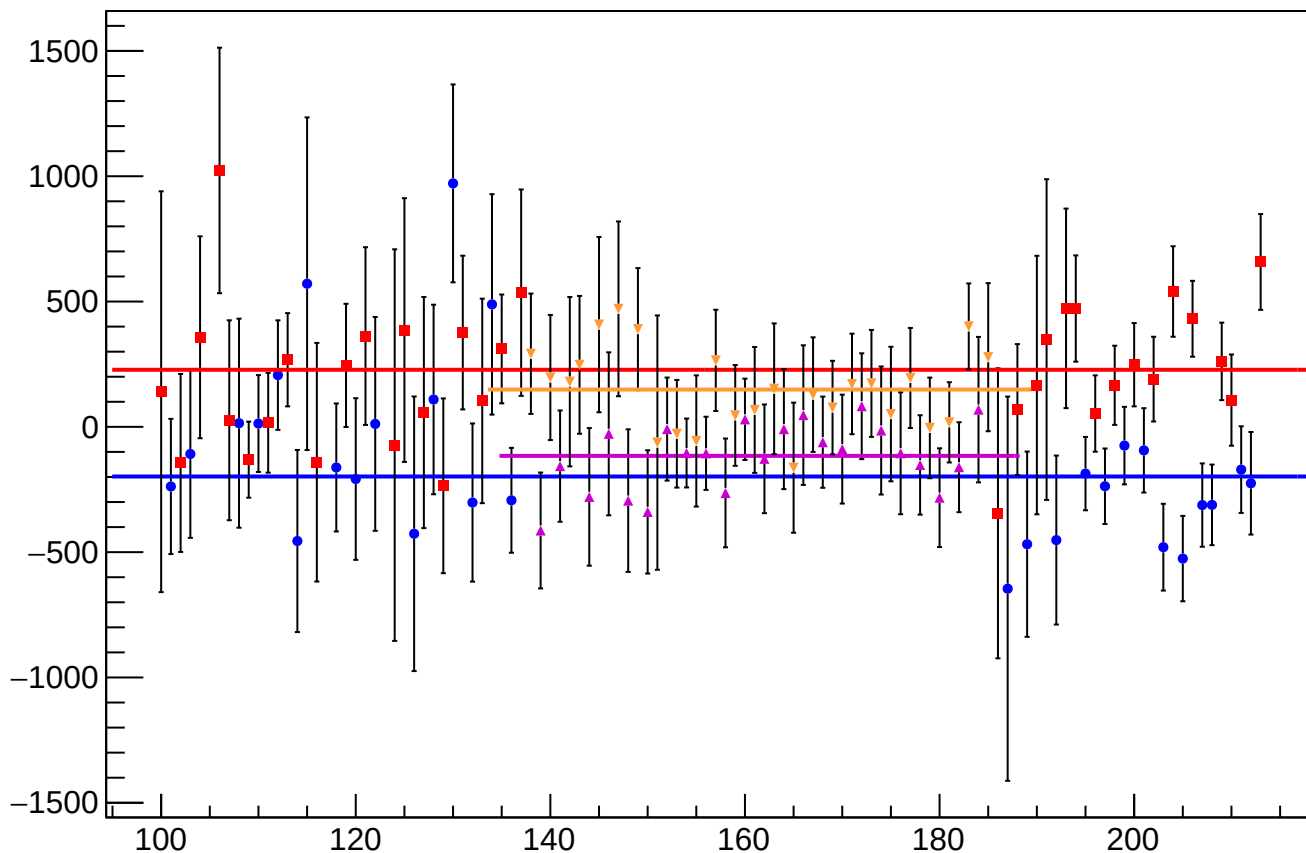
Left In: 11.352 ± 0.002 χ^2/NDF : 170563.6/22

+ sign 11.093 ± 0.001 χ^2/NDF : 413557.9/52

All: 11.075 ± 0.001 χ^2/NDF : 906915.7/107

- sign 11.058 ± 0.001 χ^2/NDF : 492988.4/54

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -198.088 ± 42.371 χ^2/NDF : 29.3/28

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 227.794 ± 40.994 χ^2/NDF : 29.8/33

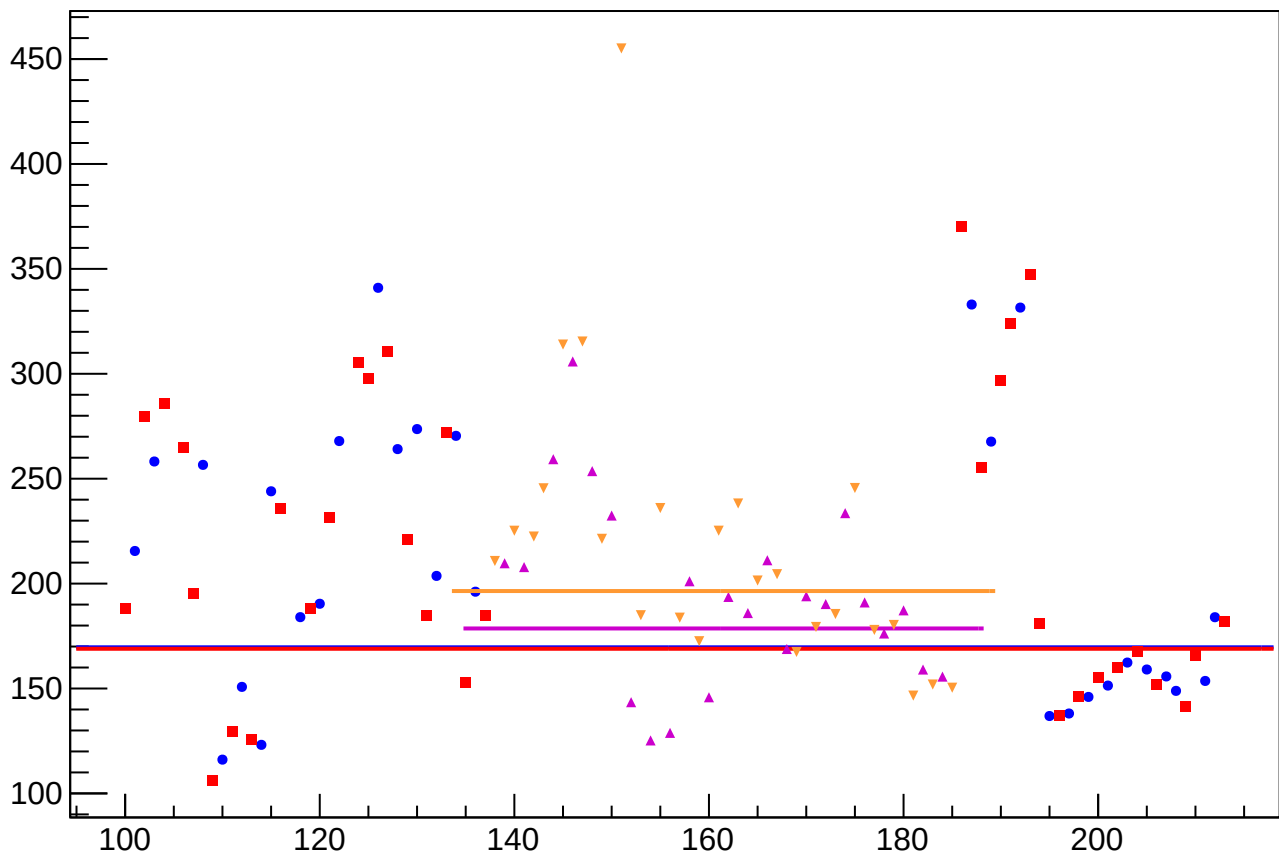
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign -39.958 ± 31.260 χ^2/NDF : 70.4/53

All: 15.817 ± 21.599 χ^2/NDF : 147.0/110

- sign 66.774 ± 29.879 χ^2/NDF : 70.5/56

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 169.630 $\pm$ 0.030 χ^2 /NDF: 2288273.8/28

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 168.946 $\pm$ 0.029 χ^2 /NDF: 3008681.7/33

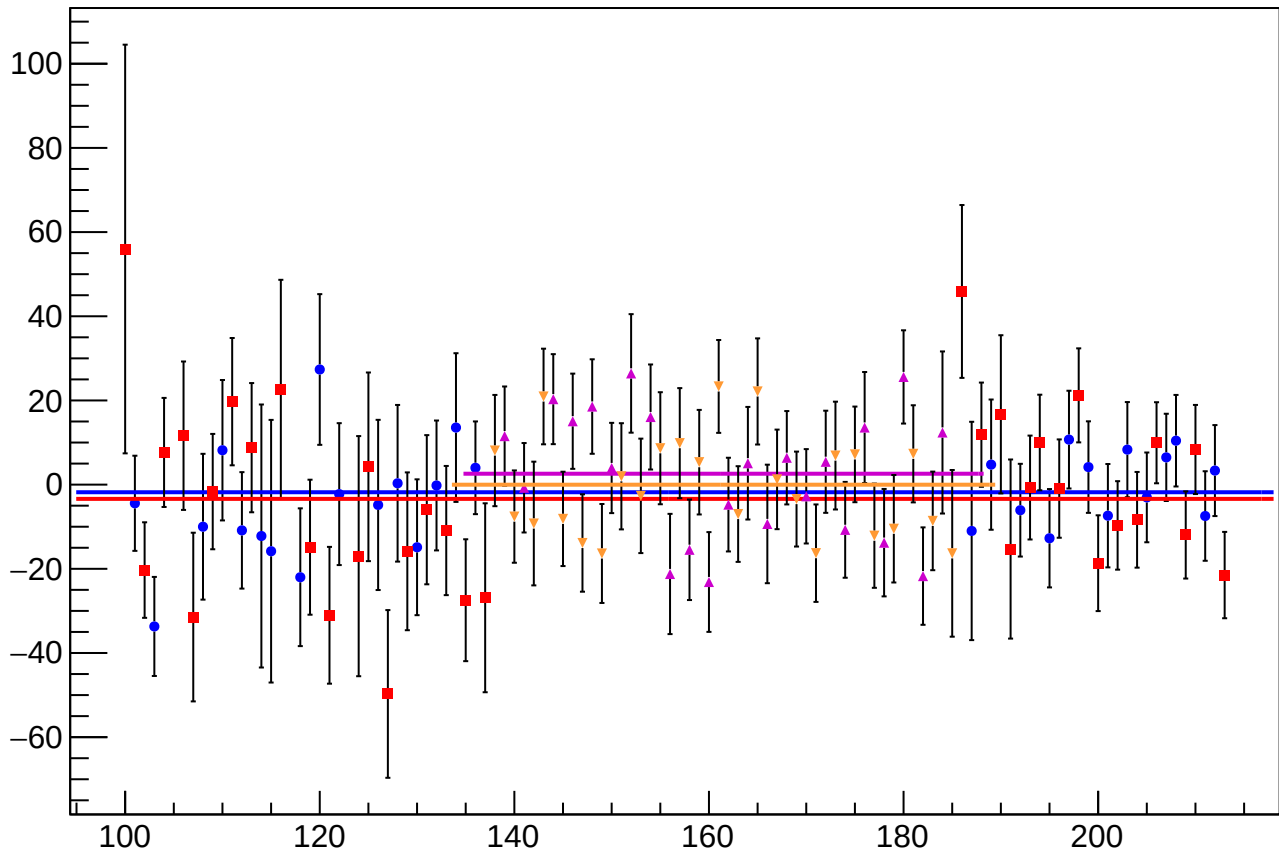
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 181.854 $\pm$ 0.022 χ^2 /NDF: 4472298.9/53

All: 177.477 $\pm$ 0.015 χ^2 /NDF: 9287034.5/110

- sign 173.478 $\pm$ 0.021 χ^2 /NDF: 4739688.3/56

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -1.808 ± 2.500 $\chi^2/\text{NDF}: 20.9/28$

Left Out: -0.018 ± 2.445 $\chi^2/\text{NDF}: 23.7/24$

Right Out: -3.384 ± 2.409 $\chi^2/\text{NDF}: 49.2/33$

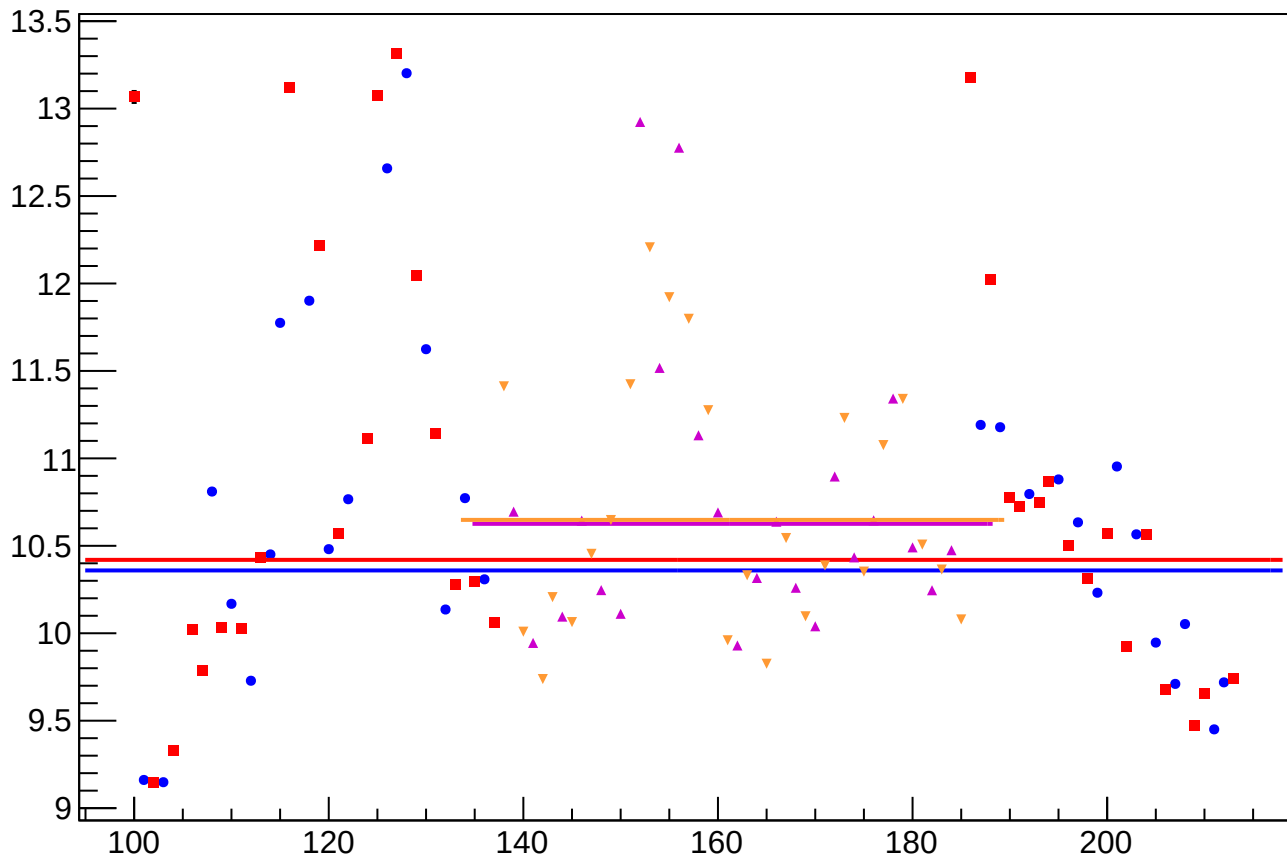
Left In: 2.591 ± 2.506 $\chi^2/\text{NDF}: 34.8/22$

+ sign -0.893 ± 1.748 $\chi^2/\text{NDF}: 44.9/53$

All: -0.702 ± 1.232 $\chi^2/\text{NDF}: 131.8/110$

- sign -0.515 ± 1.737 $\chi^2/\text{NDF}: 86.9/56$

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.359 $\pm$ 0.002 χ^2/NDF : 214523.1/28

Left Out: 10.648 $\pm$ 0.002 χ^2/NDF : 143535.9/24

Right Out: 10.420 $\pm$ 0.002 χ^2/NDF : 317285.6/33

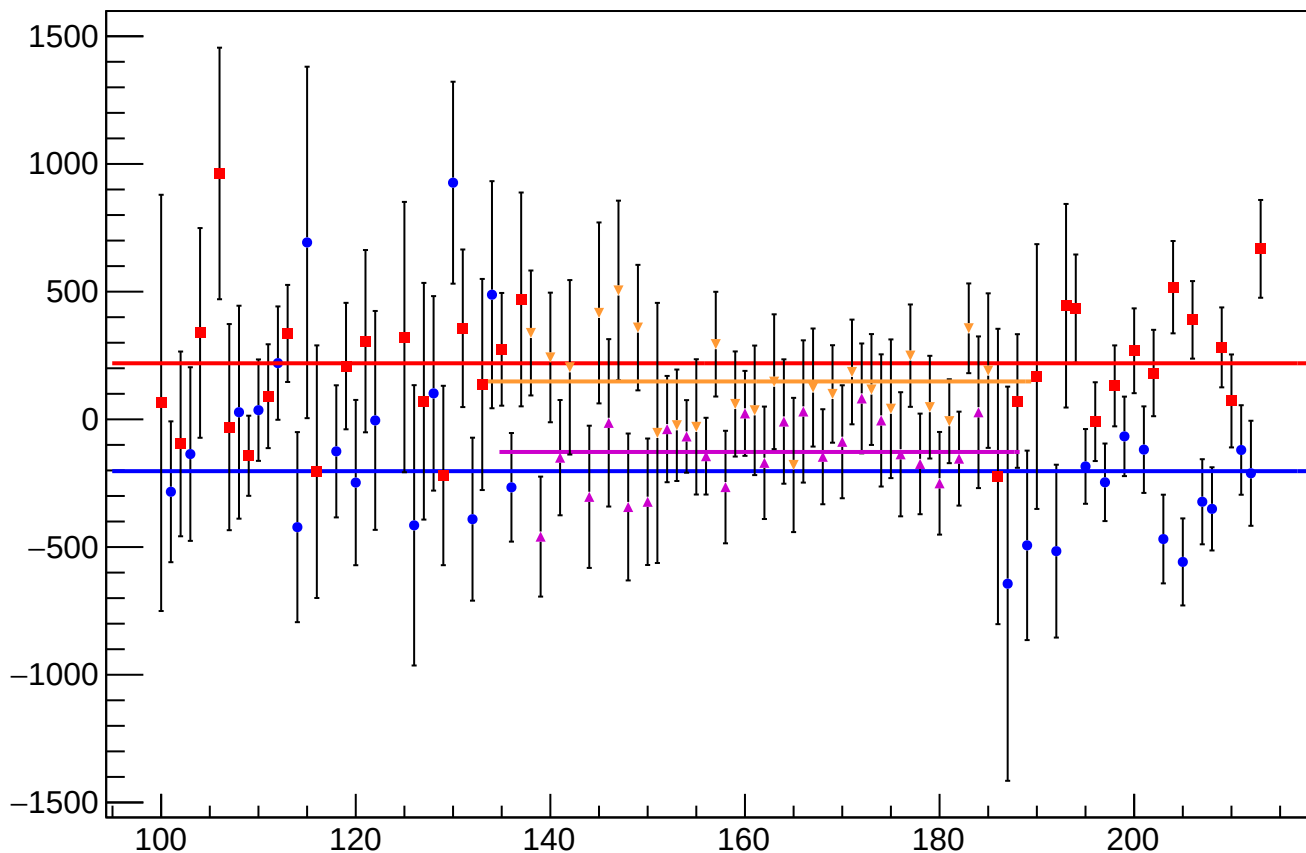
Left In: 10.626 $\pm$ 0.002 χ^2/NDF : 159543.1/22

+ sign 10.507 $\pm$ 0.001 χ^2/NDF : 371725.7/53

All: 10.513 $\pm$ 0.001 χ^2/NDF : 855623.7/110

- sign 10.519 $\pm$ 0.001 χ^2/NDF : 483853.5/56

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -202.822 ± 42.735 χ^2/NDF : 30.8/28

Left Out: 148.441 ± 47.720 χ^2/NDF : 9.9/23

Right Out: 219.554 ± 41.510 χ^2/NDF : 28.0/31

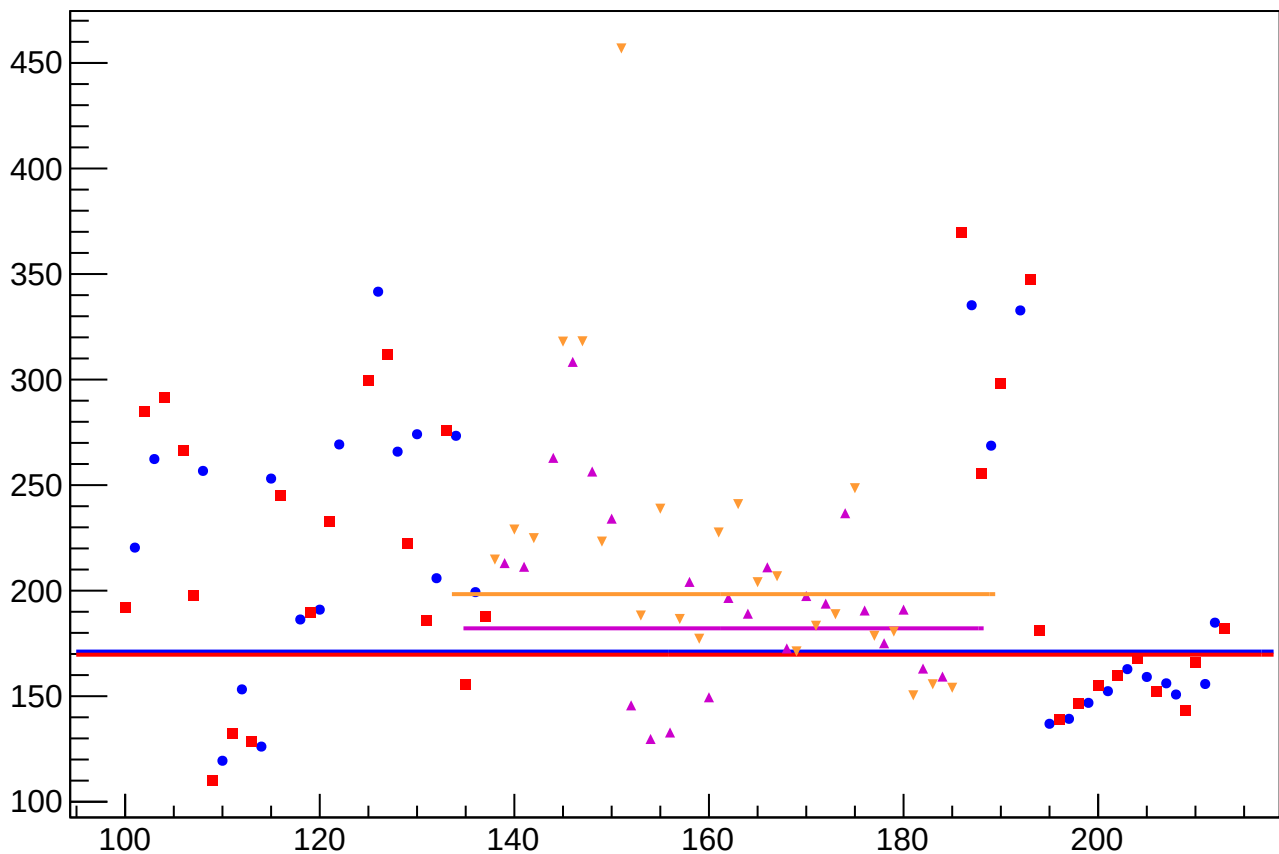
Left In: -127.710 ± 44.426 χ^2/NDF : 7.8/22

+ sign -46.490 ± 31.836 χ^2/NDF : 70.8/52

All: 8.123 ± 21.960 χ^2/NDF : 144.8/107

- sign 57.694 ± 30.330 χ^2/NDF : 68.4/54

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 171.139 $\pm$ 0.030 χ^2 /NDF: 2276584.6/28

Left Out: 198.351 $\pm$ 0.034 χ^2 /NDF:1697058.2/23

Right Out: 169.667 $\pm$ 0.029 χ^2 /NDF: 2764752.5/31

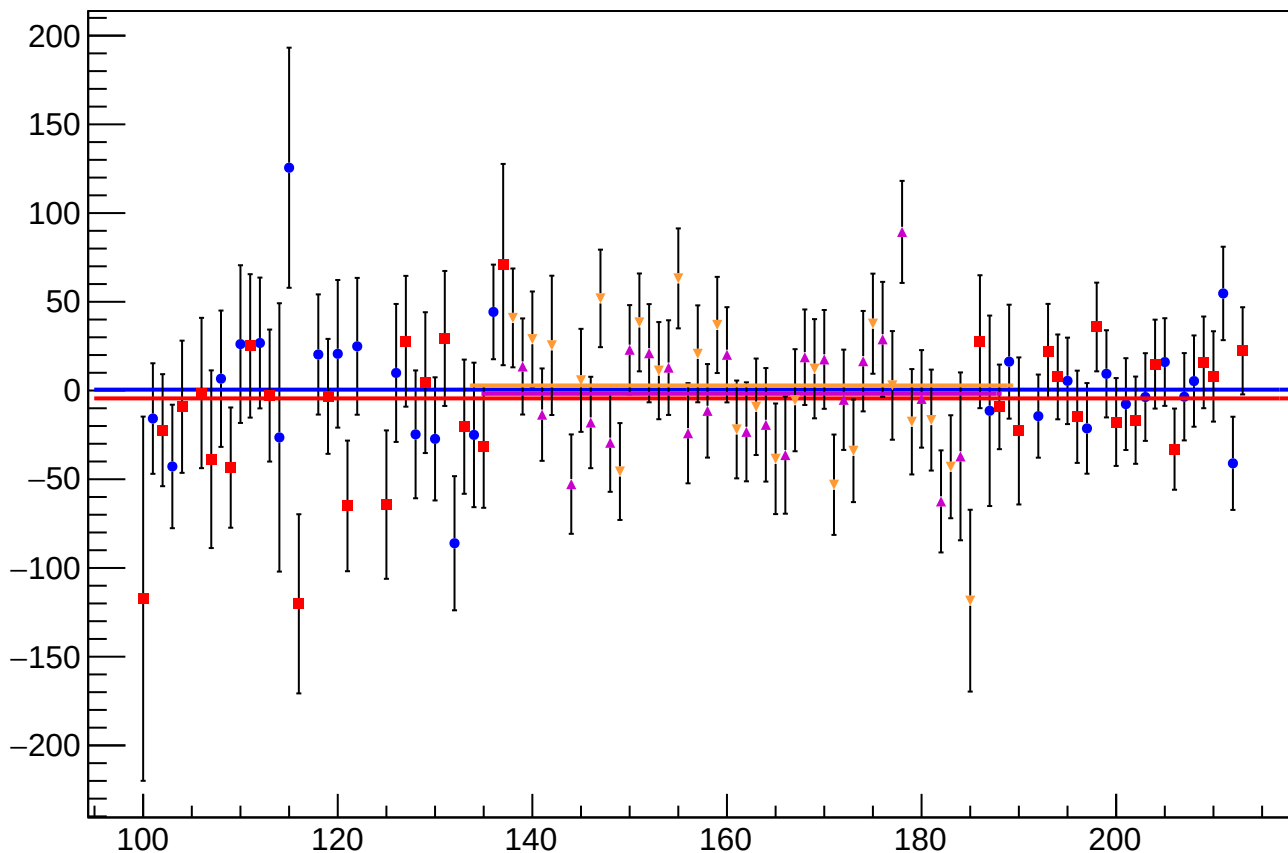
Left In: 182.150 $\pm$ 0.031 χ^2 /NDF:1584358.1/22

+ sign 183.250 $\pm$ 0.023 χ^2 /NDF: 4334557.4/52

All: 179.180 $\pm$ 0.016 χ^2 /NDF: 8830327.5/107

- sign 175.486 $\pm$ 0.021 χ^2 /NDF: 4433410.1/54

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.501 ± 5.763 χ^2/NDF : 25.7/28

Left Out: 2.851 ± 5.904 χ^2/NDF : 36.9/23

Right Out: -4.440 ± 5.562 χ^2/NDF : 27.8/31

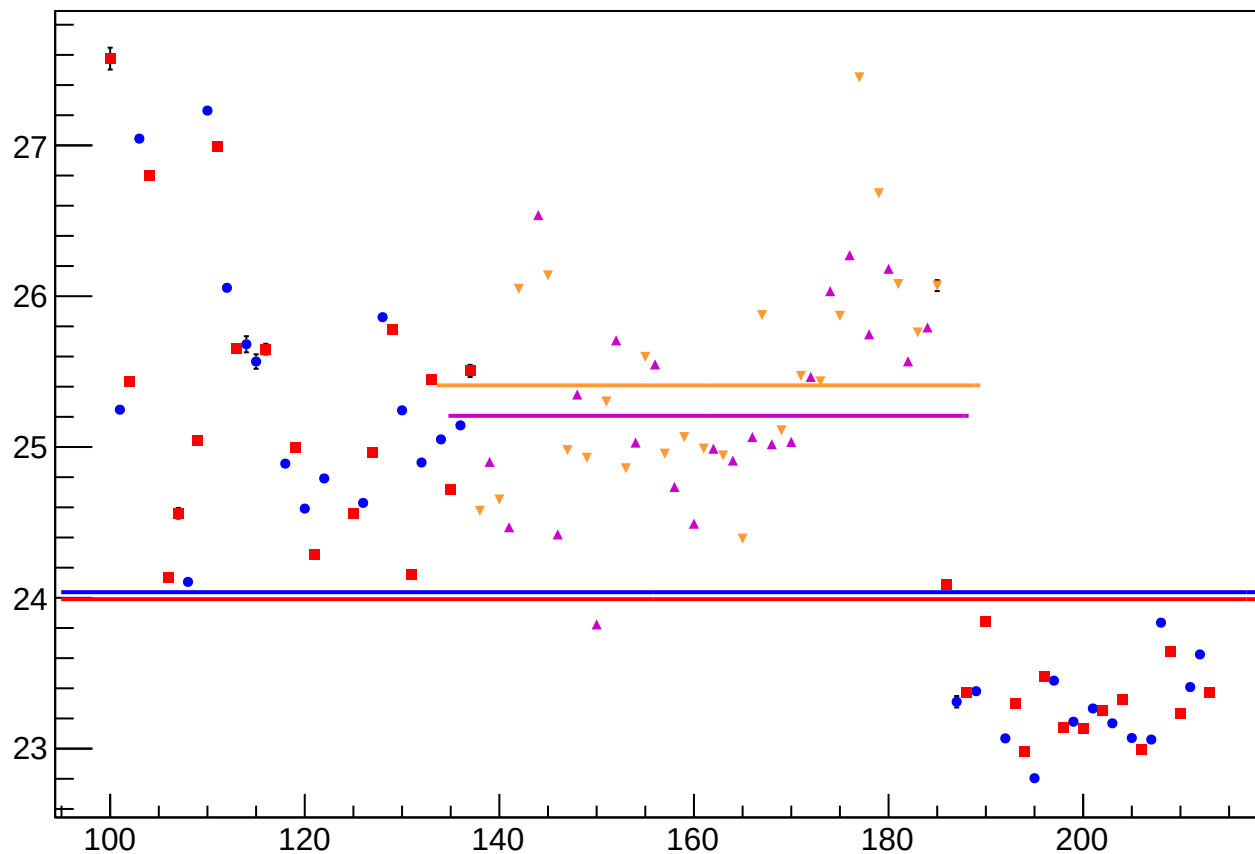
Left In: -1.850 ± 5.893 χ^2/NDF : 28.1/22

+ sign 1.647 ± 4.124 χ^2/NDF : 62.7/52

All: -0.834 ± 2.888 χ^2/NDF : 119.3/107

- sign -3.220 ± 4.045 χ^2/NDF : 56.0/54

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.037 $\pm$ 0.004 χ^2/NDF : 77855.7/28

Left Out: 25.409 $\pm$ 0.004 χ^2/NDF : 26863.6/23

Right Out: 23.991 $\pm$ 0.004 χ^2/NDF : 72821.4/31

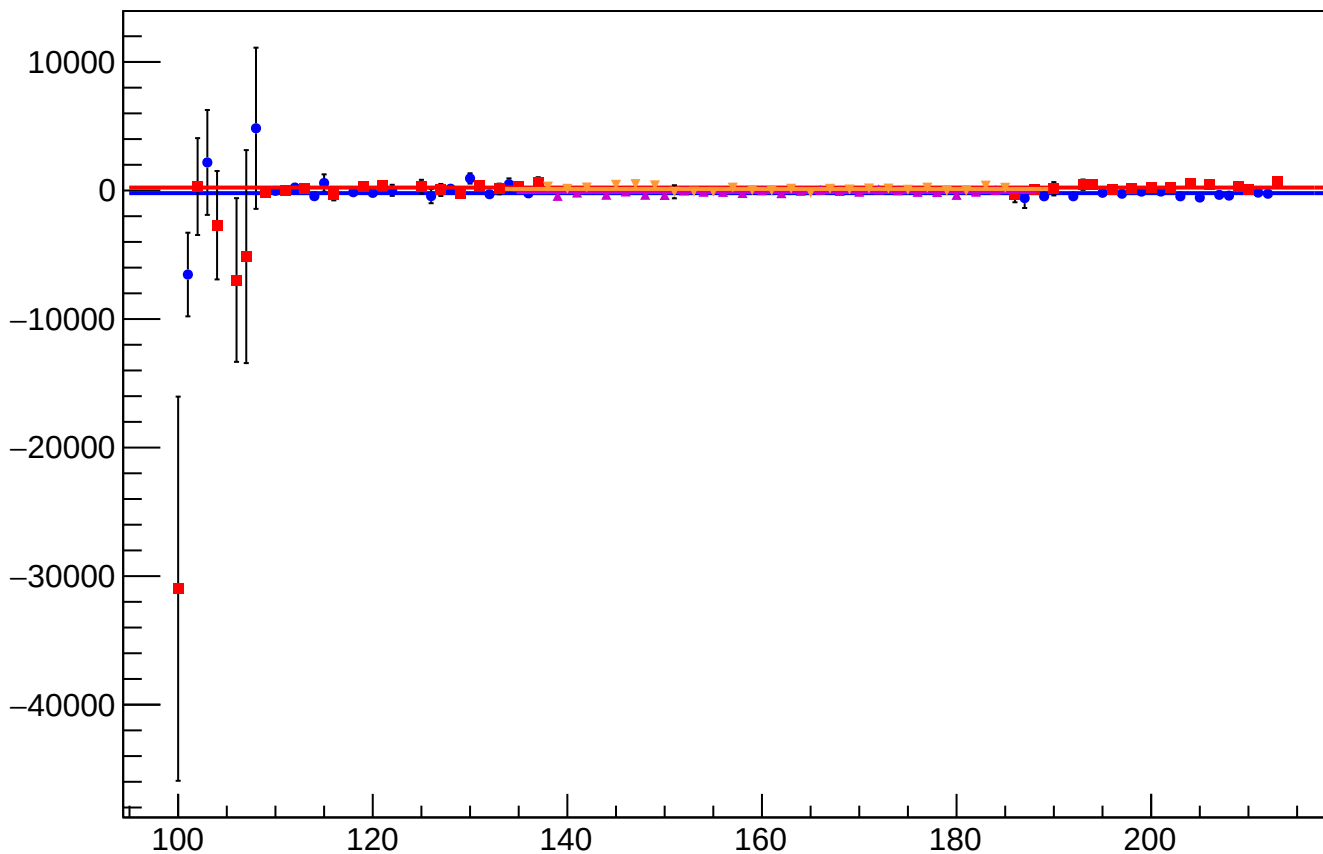
Left In: 25.207 $\pm$ 0.004 χ^2/NDF : 25827.4/22

+ sign 24.706 $\pm$ 0.003 χ^2/NDF : 159975.7/52

All: 24.634 $\pm$ 0.002 χ^2/NDF : 304870.5/107

- sign 24.564 $\pm$ 0.003 χ^2/NDF : 143675.3/54

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -206.014 ± 44.429 χ^2/NDF : 33.8/28

Left Out: 120.221 ± 47.440 χ^2/NDF : 11.9/23

Right Out: 228.385 ± 43.676 χ^2/NDF : 32.1/31

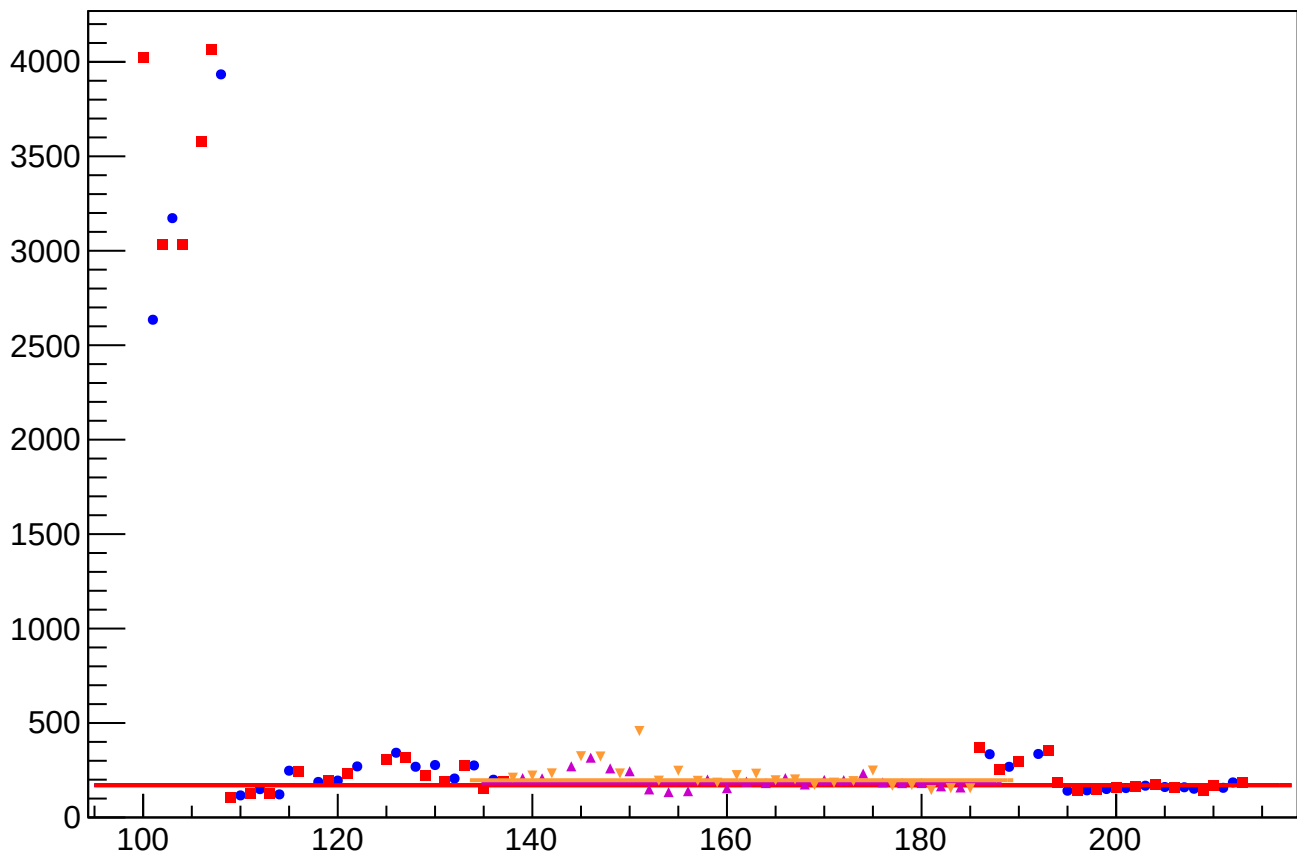
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign -53.579 ± 32.428 χ^2/NDF : 70.9/52

All: 5.481 ± 22.509 χ^2/NDF : 148.1/107

- sign 60.393 ± 31.269 χ^2/NDF : 70.8/54

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 170.748 $\pm$ 0.031 χ^2 /NDF: 4892450.6/28

Left Out: 196.935 $\pm$ 0.034 χ^2 /NDF: 1809266.5/23

Right Out: 170.461 $\pm$ 0.031 χ^2 /NDF: 5429980.6/31

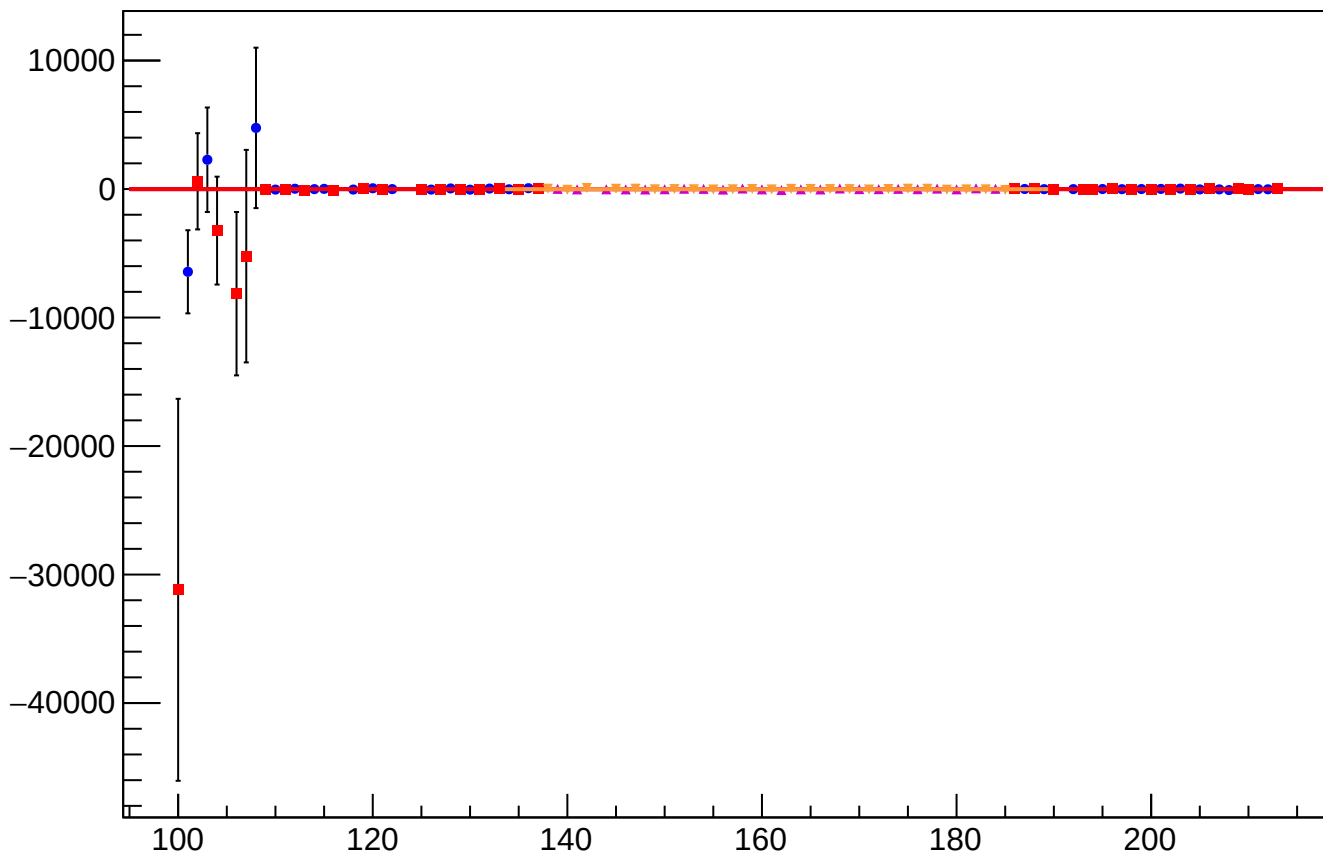
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF: 1445426.0/22

+ sign 182.984 $\pm$ 0.023 χ^2 /NDF: 7026384.0/52

All: 179.927 $\pm$ 0.016 χ^2 /NDF: 14030470.1/10

- sign 177.085 $\pm$ 0.022 χ^2 /NDF: 6969795.2/54

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -5.743 ± 6.853 χ^2/NDF : 29.2/28

Left Out: -11.111 ± 6.653 χ^2/NDF : 17.5/23

Right Out: -6.394 ± 6.718 χ^2/NDF : 37.4/31

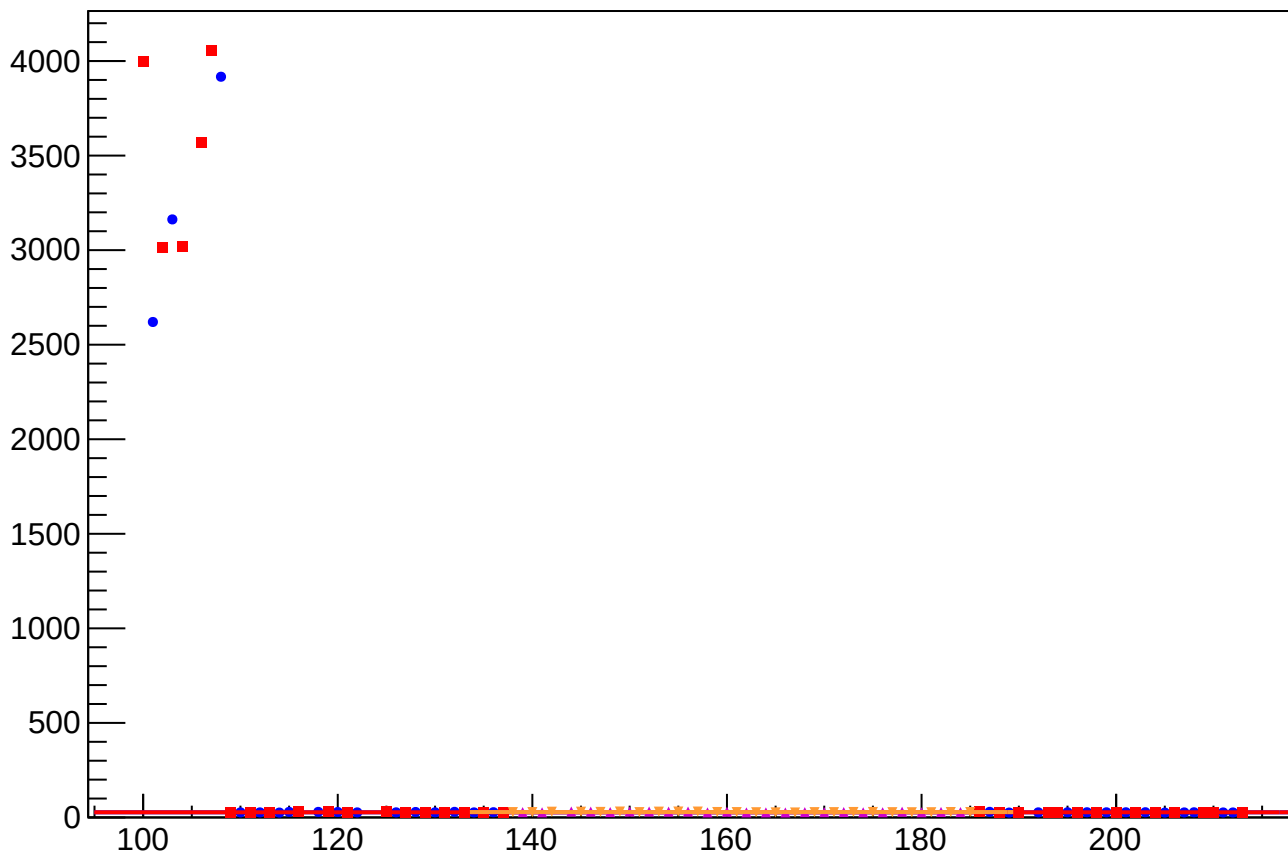
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -8.507 ± 4.774 χ^2/NDF : 47.0/52

All: -6.490 ± 3.369 χ^2/NDF : 107.1/107

- sign -4.489 ± 4.755 χ^2/NDF : 59.7/54

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.218 $\pm$ 0.005 χ^2 /NDF: 3288472.3/28

Left Out: 28.592 $\pm$ 0.005 χ^2 /NDF: 80997.4/23

Right Out: 27.301 $\pm$ 0.005 χ^2 /NDF: 3597438.7/31

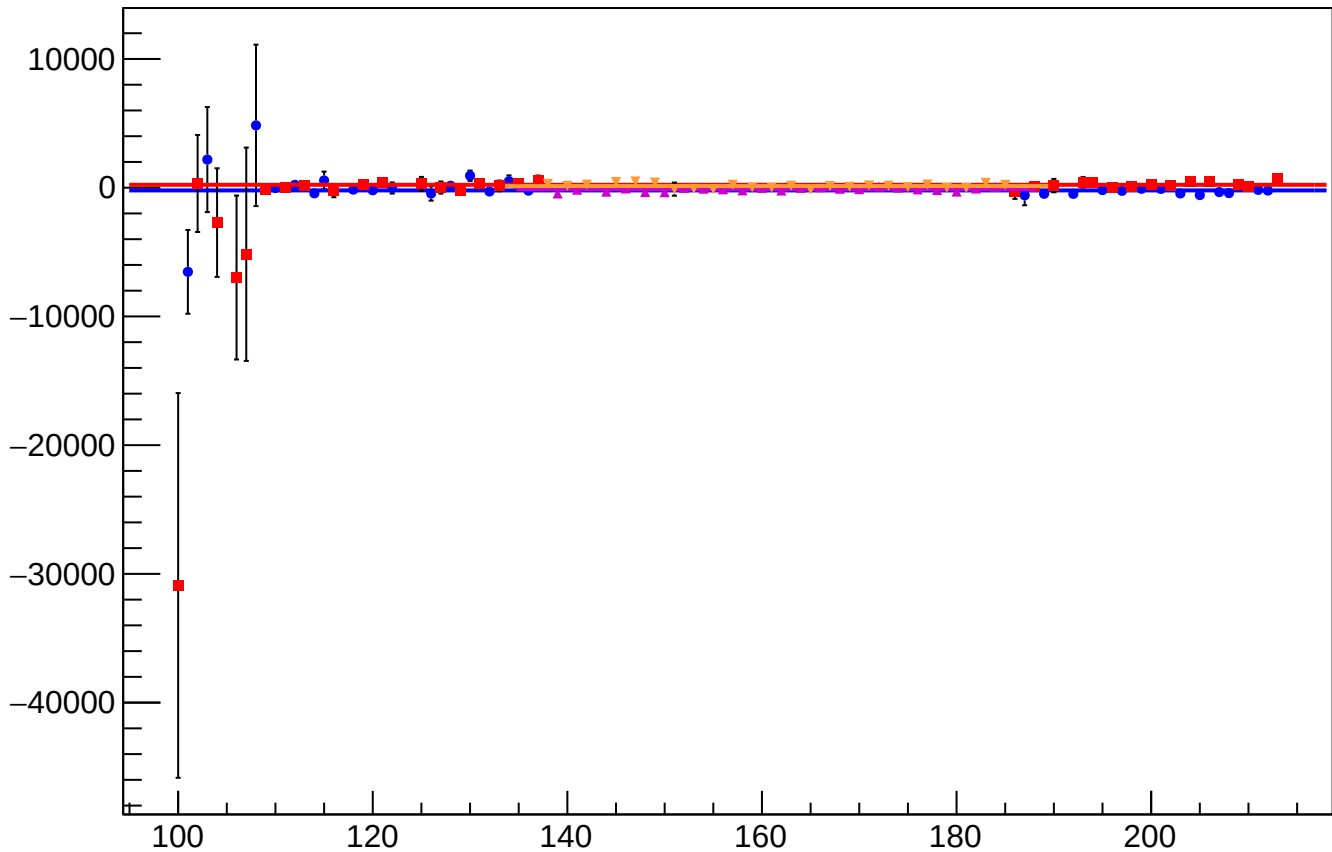
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 27.925 $\pm$ 0.003 χ^2 /NDF: 3410900.8/52

All: 27.969 $\pm$ 0.002 χ^2 /NDF: 7181078.3/107

- sign 28.013 $\pm$ 0.003 χ^2 /NDF: 3769840.9/54

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -211.146 ± 44.624 χ^2/NDF : 34.1/28

Left Out: 126.373 ± 47.852 χ^2/NDF : 11.6/23

Right Out: 225.395 ± 43.849 χ^2/NDF : 30.3/31

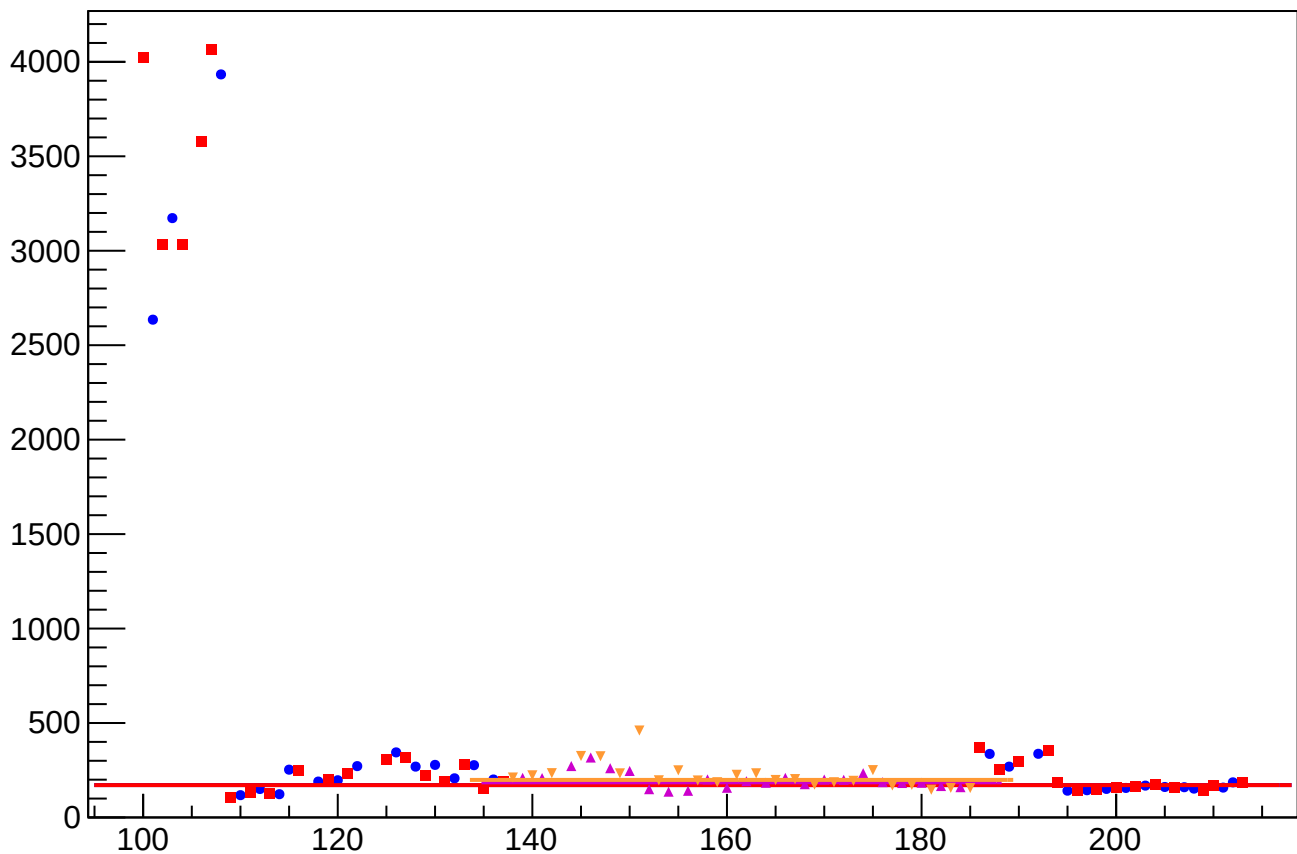
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign -54.155 ± 32.636 χ^2/NDF : 72.3/52

All: 3.215 ± 22.654 χ^2/NDF : 147.1/107

- sign 56.568 ± 31.472 χ^2/NDF : 68.9/54

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 171.512 $\pm$ 0.032 χ^2 /NDF: 4888500.5/28

Left Out: 198.736 $\pm$ 0.034 χ^2 /NDF: 1786406.6/23

Right Out: 171.181 $\pm$ 0.031 χ^2 /NDF: 5417410.2/31

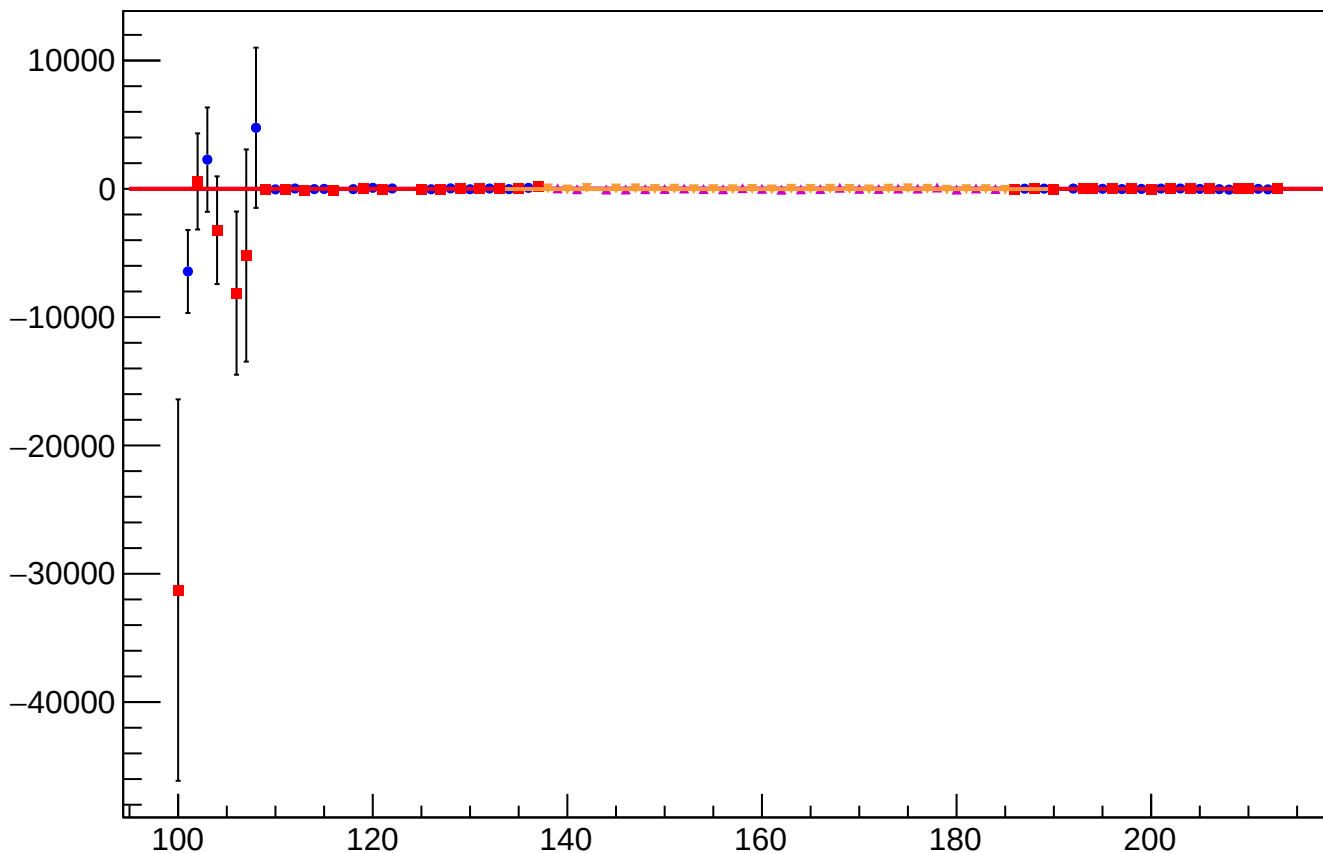
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 184.175 $\pm$ 0.023 χ^2 /NDF: 7021146.6/52

All: 181.133 $\pm$ 0.016 χ^2 /NDF: 13986467.4/10

- sign 178.303 $\pm$ 0.022 χ^2 /NDF: 6931780.2/54

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 0.761+/-7.580 χ^2/NDF : 24.3/28

Left Out: -18.187+/-7.260 χ^2/NDF : 20.3/23

Right Out: -0.632+/-7.420 χ^2/NDF : 42.8/31

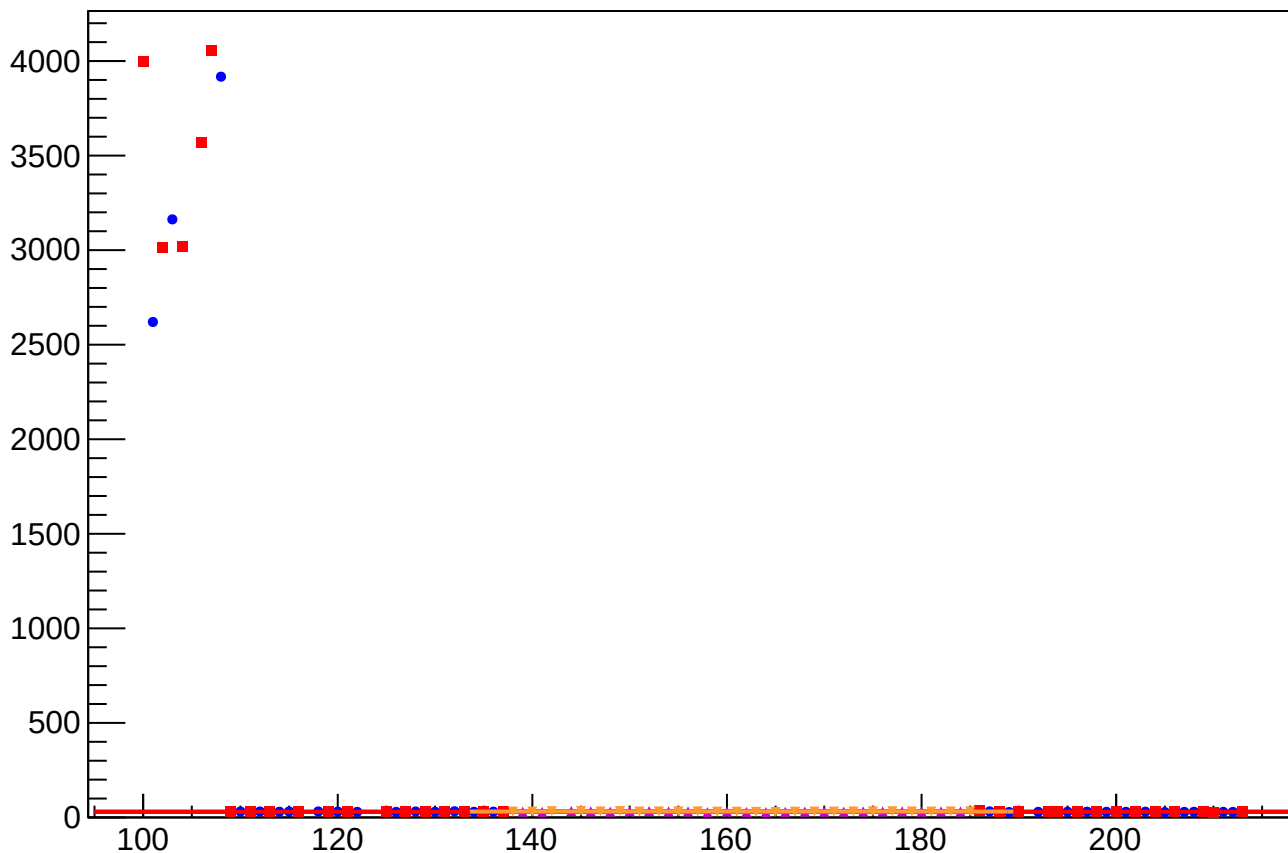
Left In: 2.709+/-7.348 χ^2/NDF : 35.5/22

+ sign -9.122+/-5.243 χ^2/NDF : 47.9/52

All: -4.012+/-3.699 χ^2/NDF : 128.3/107

- sign 1.055+/-5.221 χ^2/NDF : 78.5/54

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.113 $\pm$ 0.005 χ^2 /NDF: 3275492.3/28

Left Out: 31.221 $\pm$ 0.005 χ^2 /NDF: 47423.0/23

Right Out: 30.172 $\pm$ 0.005 χ^2 /NDF: 3569919.2/31

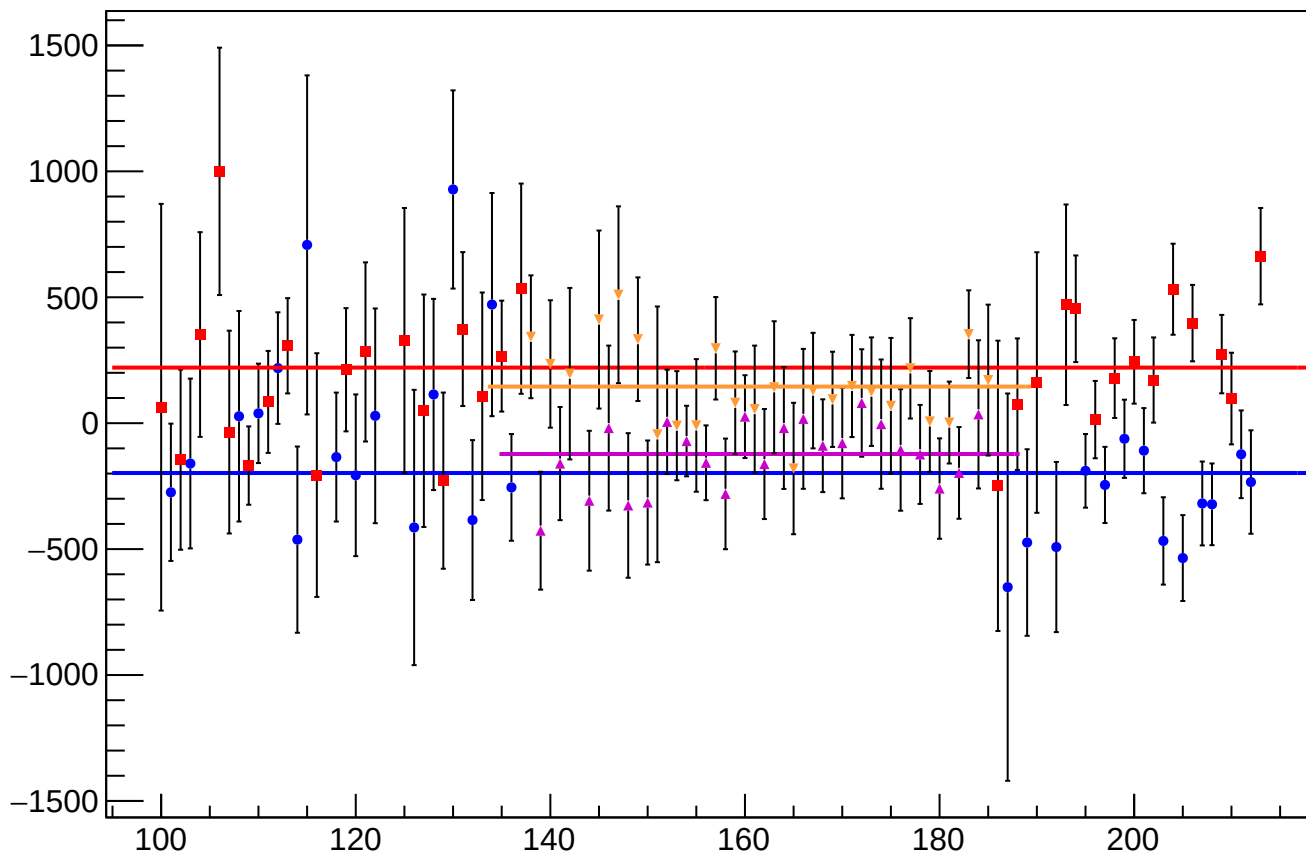
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 30.691 $\pm$ 0.004 χ^2 /NDF: 3345239.0/52

All: 30.737 $\pm$ 0.003 χ^2 /NDF: 7027411.4/107

- sign 30.782 $\pm$ 0.004 χ^2 /NDF: 3681871.0/54

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -197.855 ± 42.595 $\chi^2/\text{NDF}: 30.2/28$

Left Out: 145.314 ± 47.390 $\chi^2/\text{NDF}: 9.4/23$

Right Out: 220.705 ± 41.376 $\chi^2/\text{NDF}: 29.4/31$

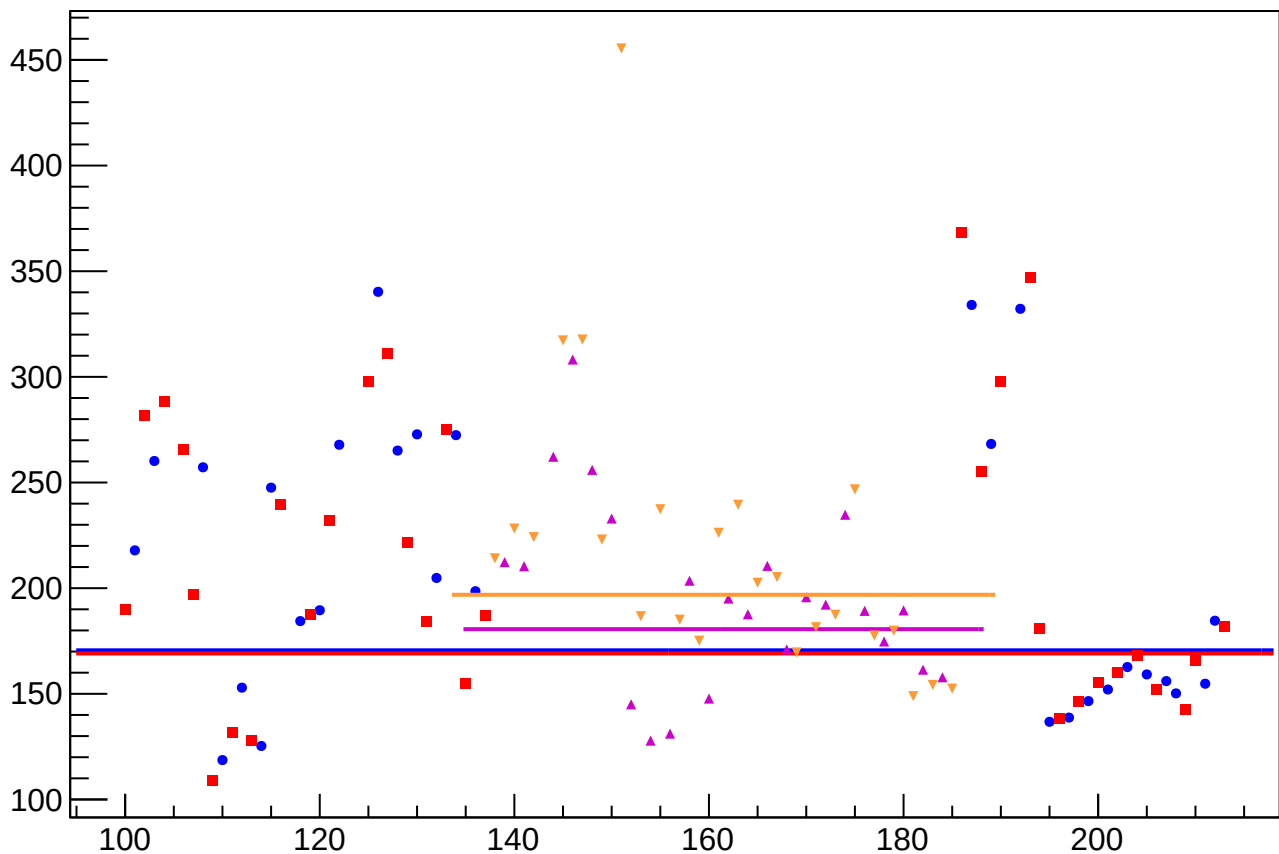
Left In: -122.376 ± 44.081 $\chi^2/\text{NDF}: 7.9/22$

+ sign -44.506 ± 31.679 $\chi^2/\text{NDF}: 68.6/52$

All: 10.305 ± 21.847 $\chi^2/\text{NDF}: 143.8/107$

- sign 60.013 ± 30.168 $\chi^2/\text{NDF}: 69.5/54$

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 170.591 $\pm$ 0.030 χ^2 /NDF: 2267685.1/28

Left Out: 196.873 $\pm$ 0.034 χ^2 /NDF:1725106.9/23

Right Out: 169.101 $\pm$ 0.029 χ^2 /NDF: 2761997.4/31

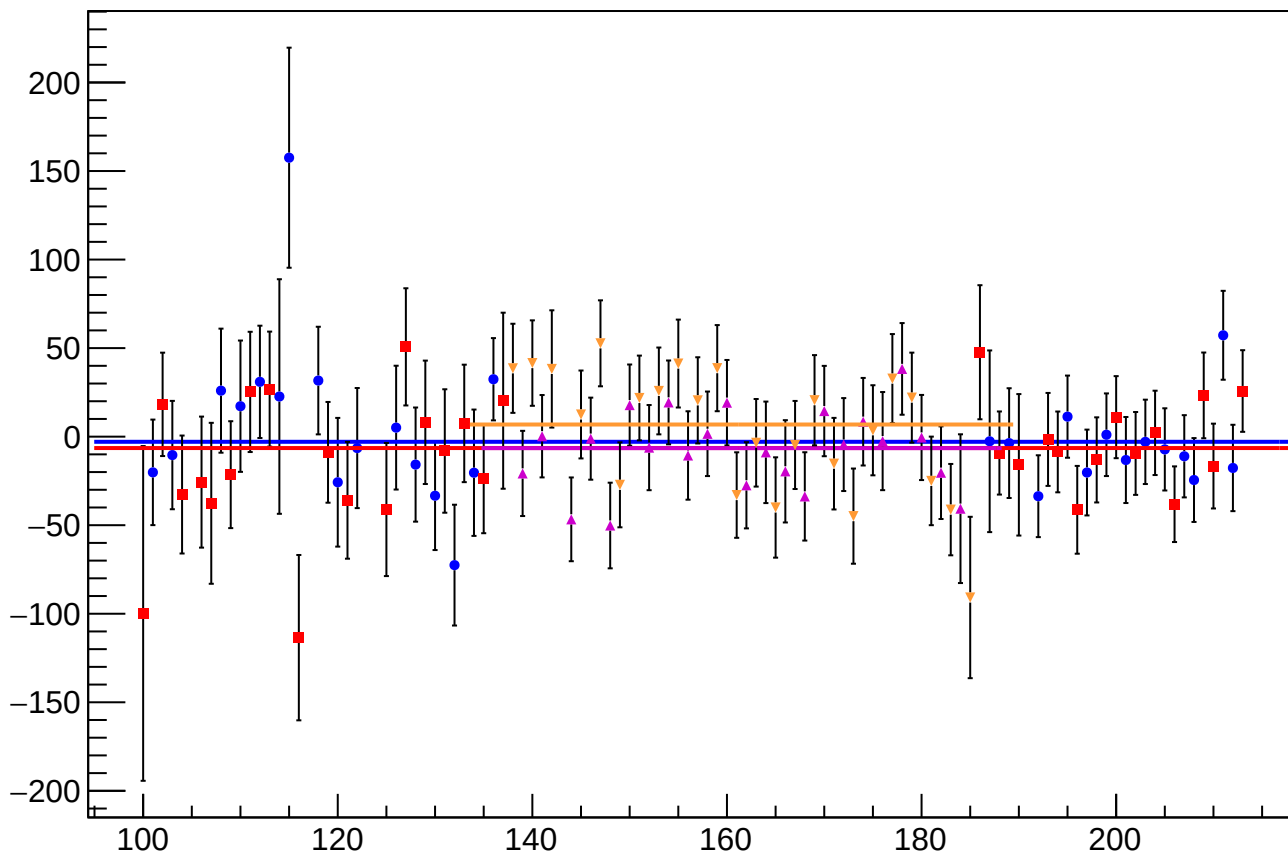
Left In: 180.601 $\pm$ 0.031 χ^2 /NDF:1628072.3/22

+ sign 182.335 $\pm$ 0.022 χ^2 /NDF: 4333047.8/52

All: 178.220 $\pm$ 0.015 χ^2 /NDF: 8859842.8/107

- sign 174.488 $\pm$ 0.021 χ^2 /NDF: 4462434.3/54

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.904 ± 5.331 χ^2/NDF : 28.9/28

Left Out: 6.857 ± 5.229 χ^2/NDF : 36.8/23

Right Out: -6.438 ± 5.170 χ^2/NDF : 26.9/31

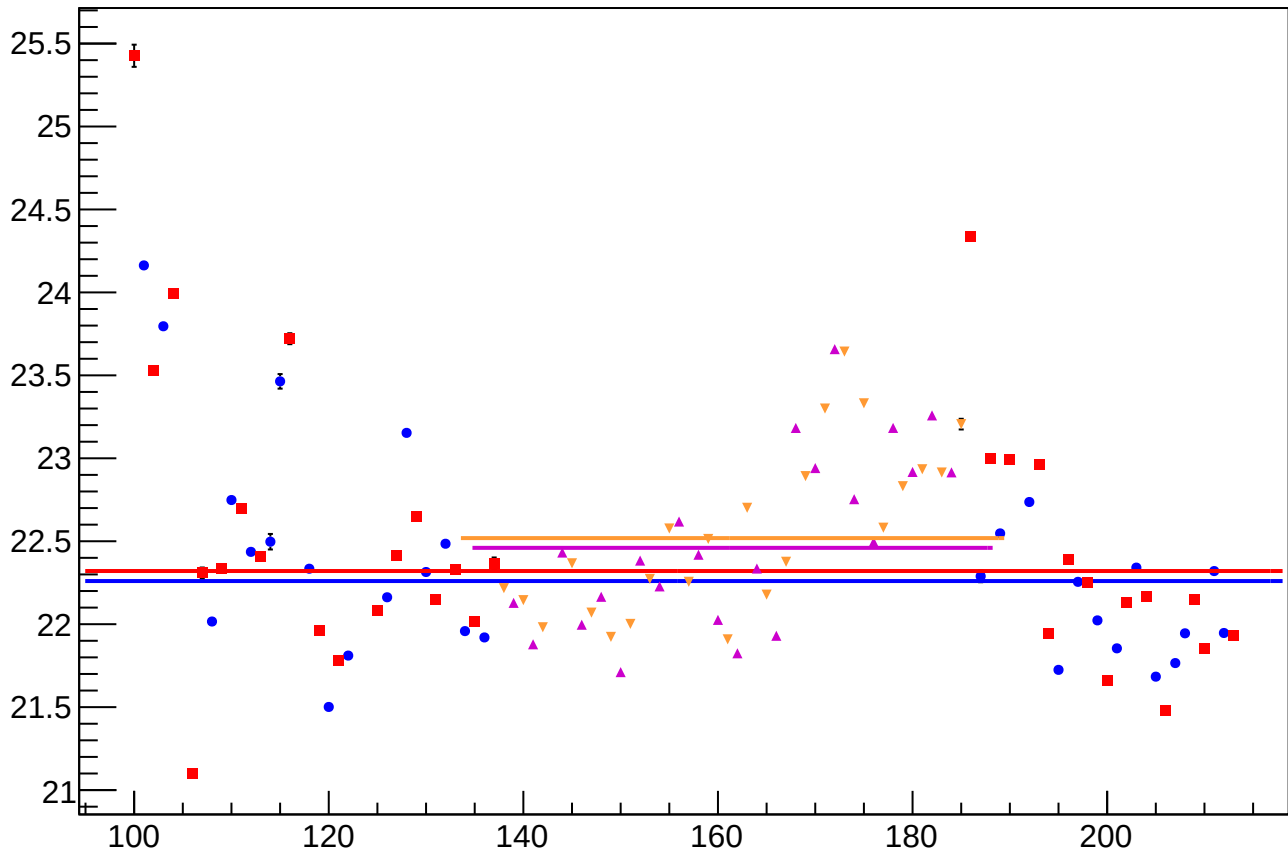
Left In: -6.482 ± 5.247 χ^2/NDF : 17.4/22

+ sign 2.071 ± 3.733 χ^2/NDF : 67.5/52

All: -2.252 ± 2.622 χ^2/NDF : 114.4/107

- sign -6.460 ± 3.682 χ^2/NDF : 44.3/54

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.260 $\pm$ 0.004 χ^2 /NDF: 23640.1/28

Left Out: 22.519 $\pm$ 0.004 χ^2 /NDF:15998.2/23

Right Out: 22.321 $\pm$ 0.004 χ^2 /NDF: 32308.9/31

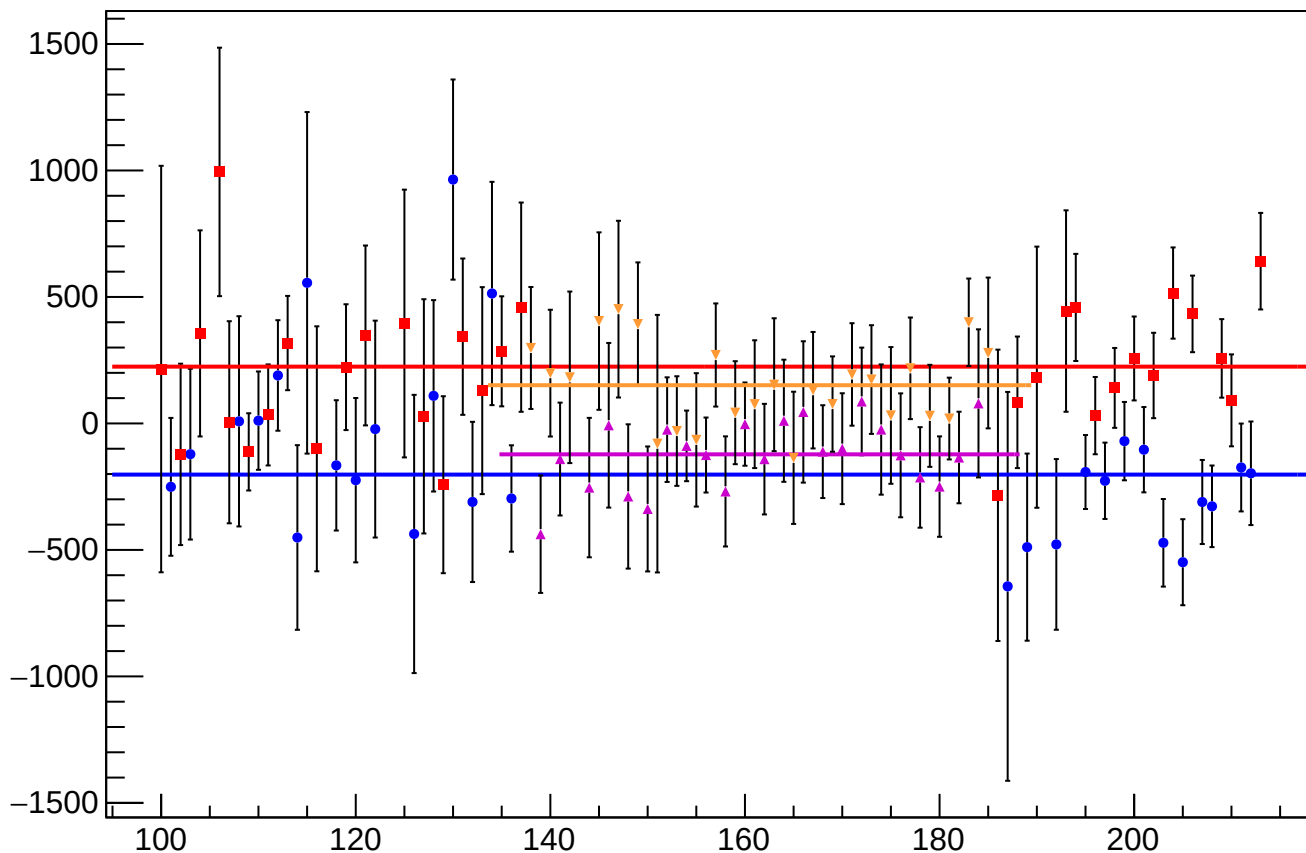
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF:19117.2/22

+ sign 22.392 $\pm$ 0.003 χ^2 /NDF: 42042.2/52

All: 22.391 $\pm$ 0.002 χ^2 /NDF: 94188.1/107

- sign 22.389 $\pm$ 0.003 χ^2 /NDF: 52145.3/54

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -202.230 ± 42.466 χ^2/NDF : 29.5/28

Left Out: 151.108 ± 47.316 χ^2/NDF : 10.0/23

Right Out: 224.532 ± 41.207 χ^2/NDF : 27.5/31

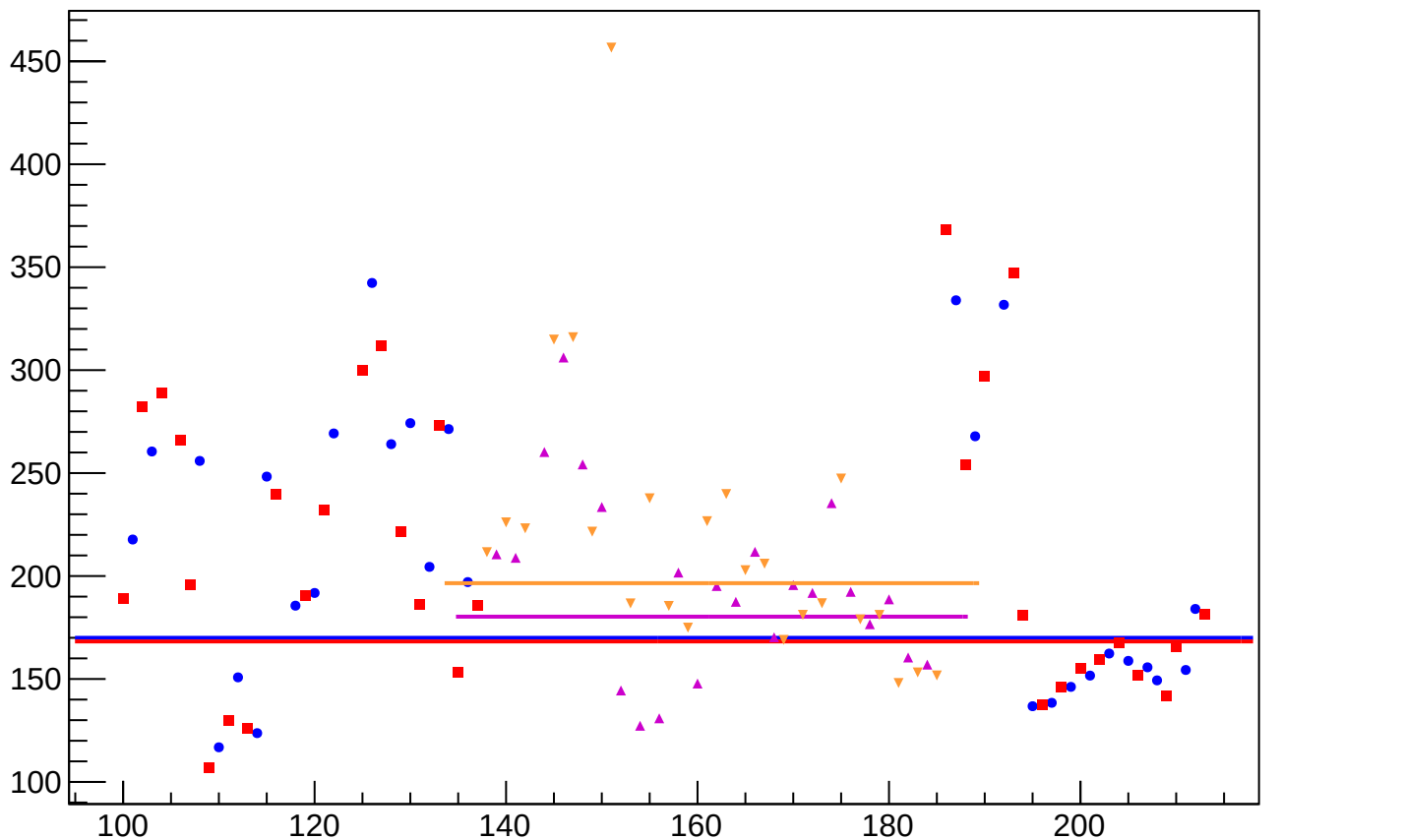
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign -44.592 ± 31.604 χ^2/NDF : 70.4/52

All: 11.631 ± 21.788 χ^2/NDF : 144.5/107

- sign 62.558 ± 30.079 χ^2/NDF : 68.0/54

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 169.990 $\pm$ 0.030 χ^2 /NDF: 2297902.7/28

Left Out: 196.533 $\pm$ 0.033 χ^2 /NDF:1727888.6/23

Right Out: 168.237 $\pm$ 0.029 χ^2 /NDF: 2829614.2/31

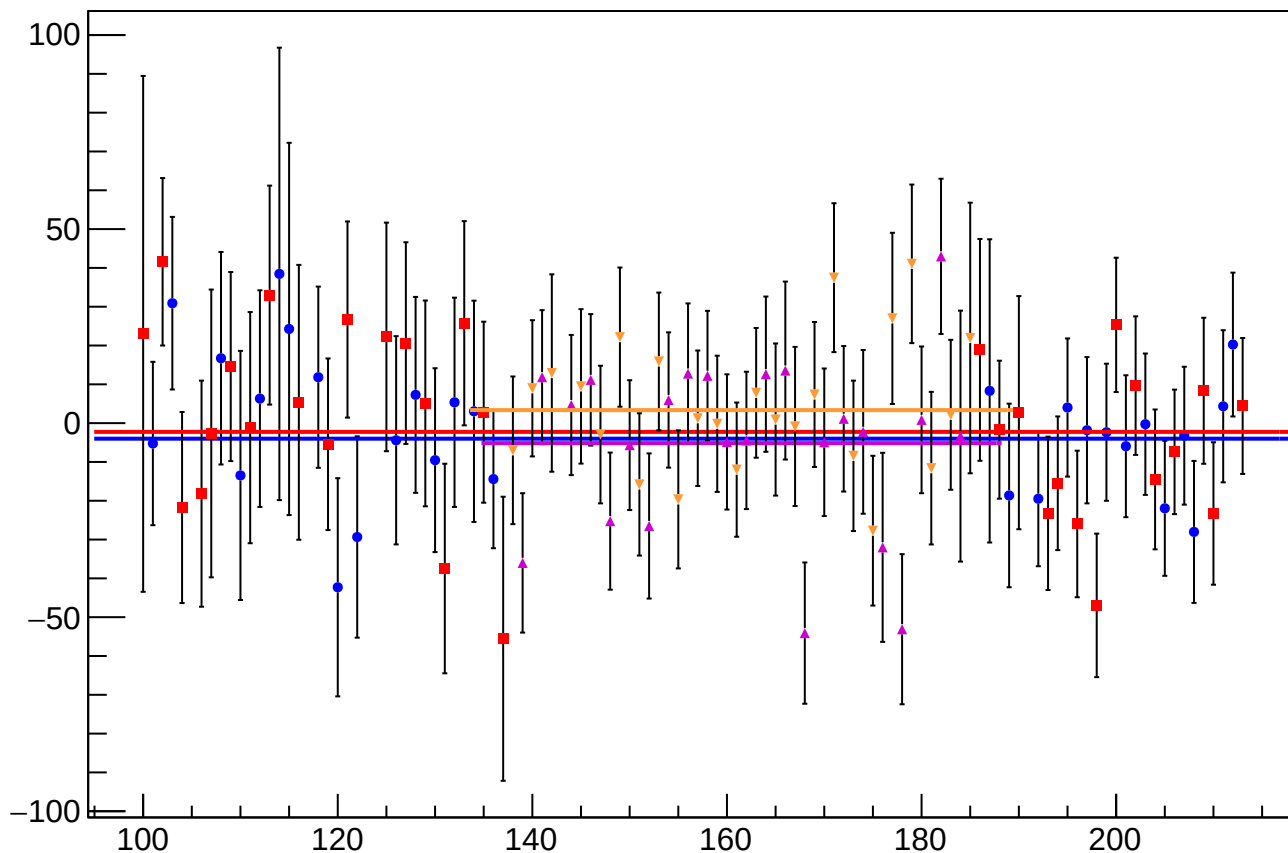
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 181.832 $\pm$ 0.022 χ^2 /NDF: 4374380.4/52

All: 177.649 $\pm$ 0.015 χ^2 /NDF: 8975182.2/107

- sign 173.861 $\pm$ 0.021 χ^2 /NDF: 4534033.5/54

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.005 ± 4.097 $\chi^2/\text{NDF}: 14.4/28$

Left Out: 3.359 ± 3.905 $\chi^2/\text{NDF}: 17.7/23$

Right Out: -2.252 ± 3.968 $\chi^2/\text{NDF}: 30.2/31$

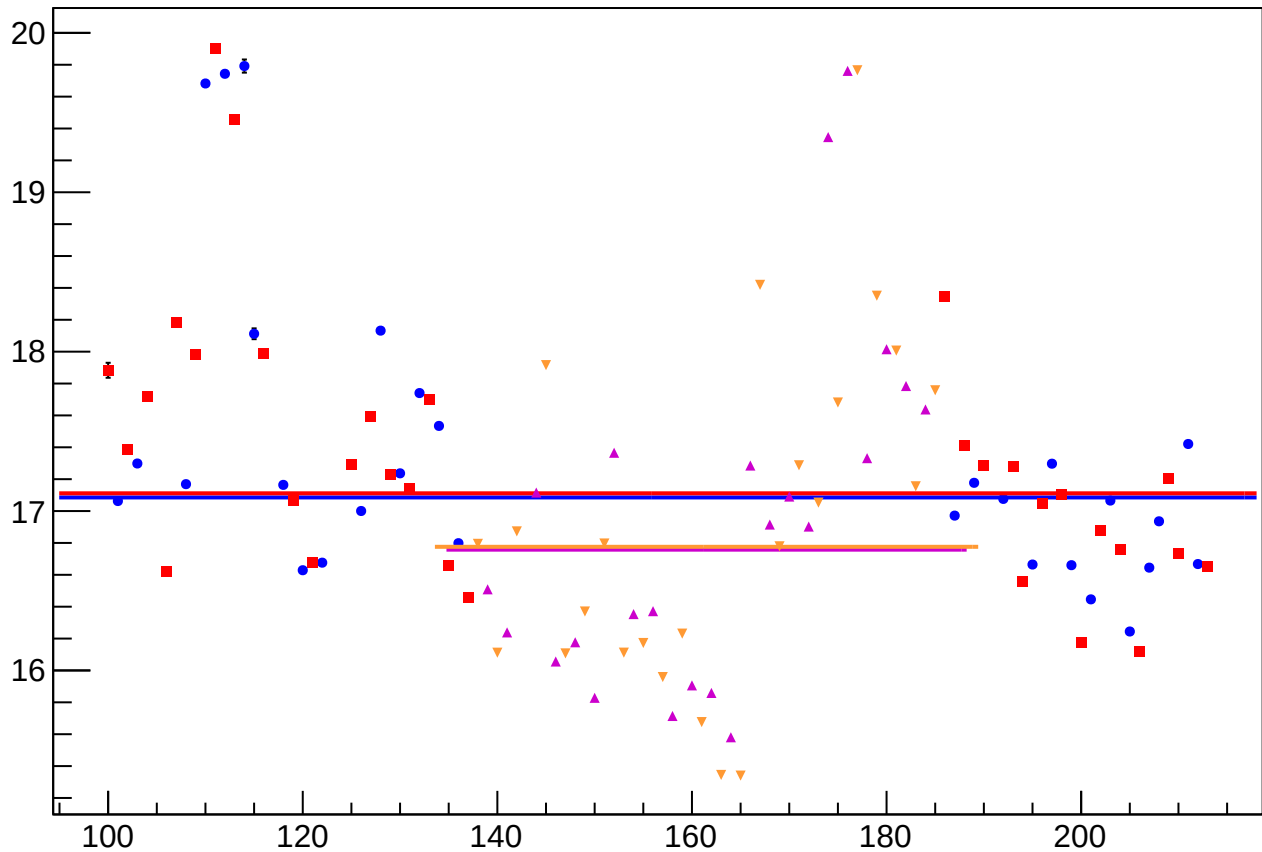
Left In: -5.150 ± 3.924 $\chi^2/\text{NDF}: 32.3/22$

+ sign -0.146 ± 2.826 $\chi^2/\text{NDF}: 33.8/52$

All: -1.955 ± 1.986 $\chi^2/\text{NDF}: 97.4/107$

- sign -3.717 ± 2.790 $\chi^2/\text{NDF}: 62.8/54$

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.085 ± 0.003 $\chi^2/\text{NDF}: 56109.2/28$

Left Out: 16.776 ± 0.003 $\chi^2/\text{NDF}: 136142.5/23$

Right Out: 17.111 ± 0.003 $\chi^2/\text{NDF}: 66484.3/31$

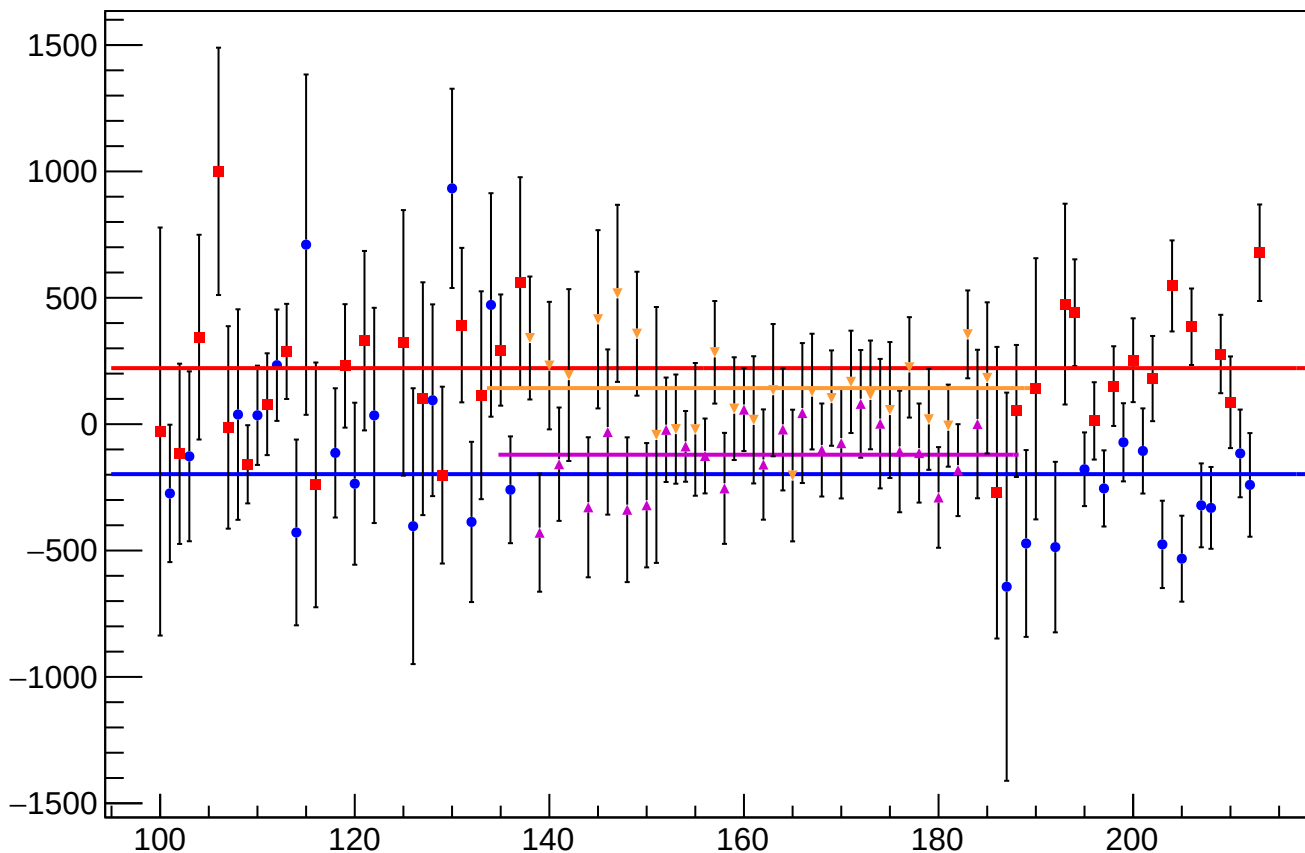
Left In: 16.758 ± 0.003 $\chi^2/\text{NDF}: 123306.8/22$

+ sign 16.923 ± 0.002 $\chi^2/\text{NDF}: 198237.4/52$

All: 16.928 ± 0.001 $\chi^2/\text{NDF}: 396068.3/107$

- sign 16.933 ± 0.002 $\chi^2/\text{NDF}: 197819.5/54$

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -197.722 ± 42.467 χ^2/NDF : 30.7/28

Left Out: 142.696 ± 47.288 χ^2/NDF : 10.2/23

Right Out: 221.715 ± 41.253 χ^2/NDF : 30.0/31

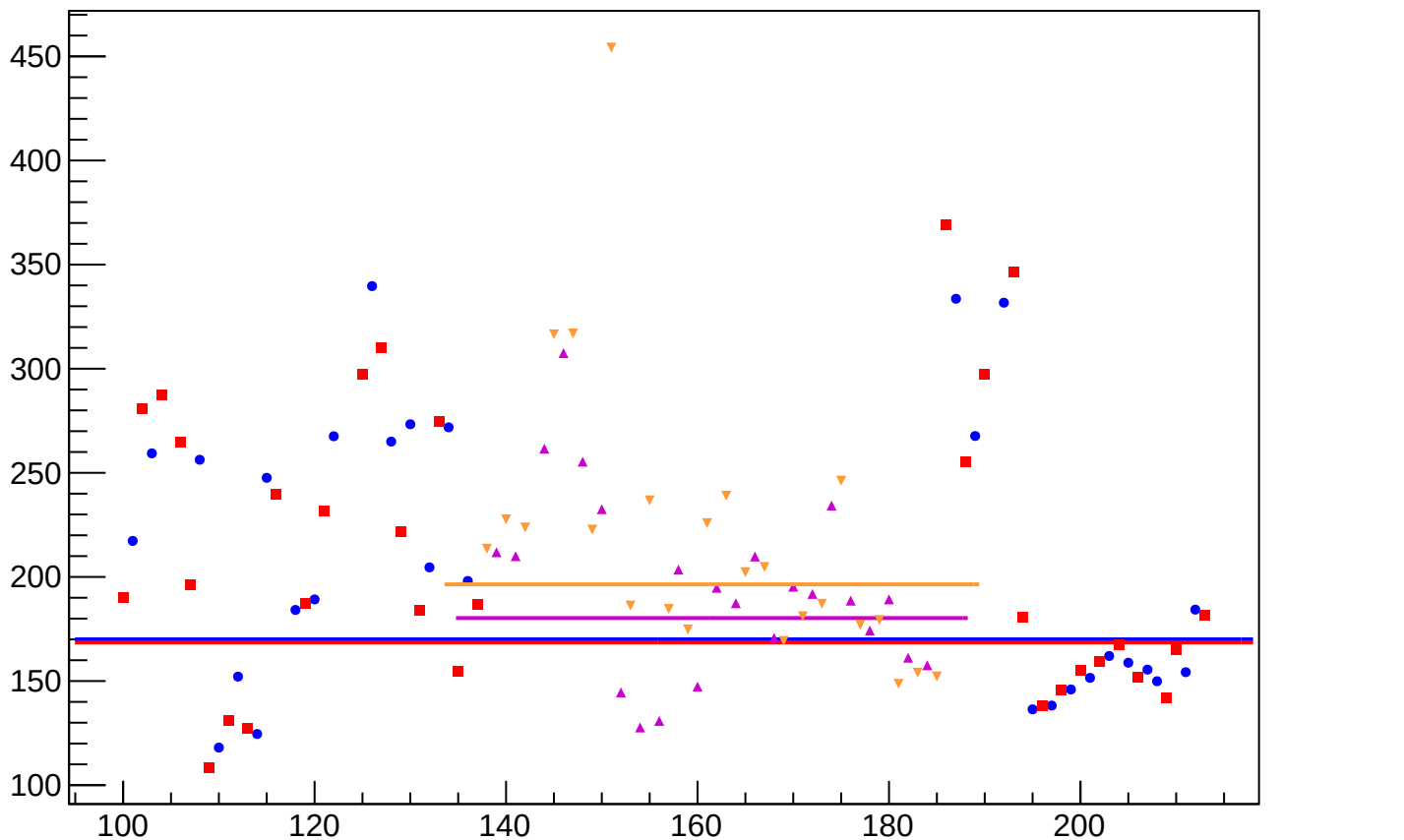
Left In: -120.888 ± 43.994 χ^2/NDF : 8.2/22

+ sign -45.742 ± 31.596 χ^2/NDF : 69.5/52

All: 10.450 ± 21.791 χ^2/NDF : 146.1/107

- sign 61.421 ± 30.093 χ^2/NDF : 70.5/54

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 170.047+/-0.030 χ^2/NDF : 2280439.8/28

Left Out: 196.452+/-0.033 χ^2/NDF :1723529.1/23

Right Out: 168.555+/-0.029 χ^2/NDF : 2779353.8/31

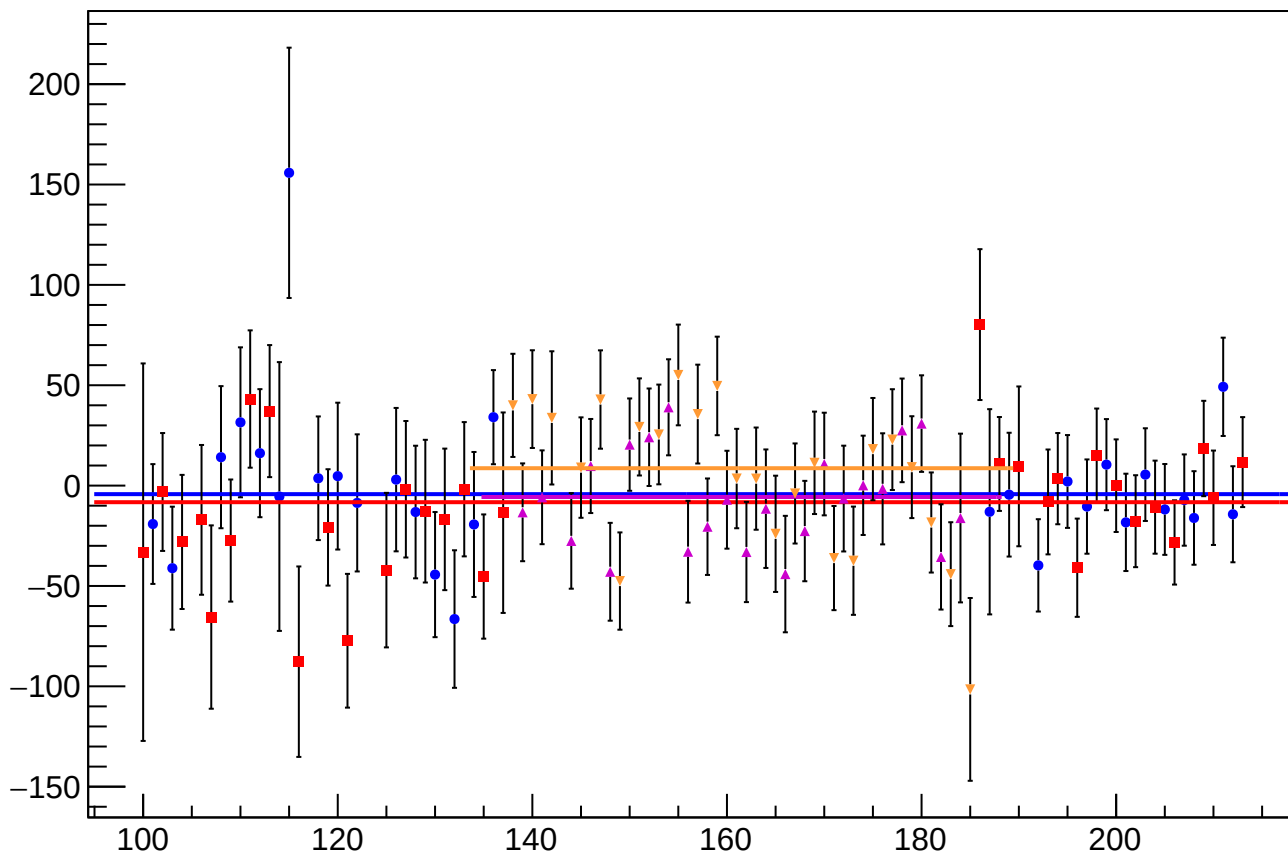
Left In: 180.248+/-0.031 χ^2/NDF :1627777.0/22

+ sign 181.836+/-0.022 χ^2/NDF : 4349151.6/52

All: 177.740+/-0.015 χ^2/NDF : 8895544.3/107

- sign 174.026+/-0.021 χ^2/NDF : 4482314.9/54

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -4.256 ± 5.296 χ^2/NDF : 26.8/28

Left Out: 8.664 ± 5.275 χ^2/NDF : 39.2/23

Right Out: -8.266 ± 5.144 χ^2/NDF : 29.0/31

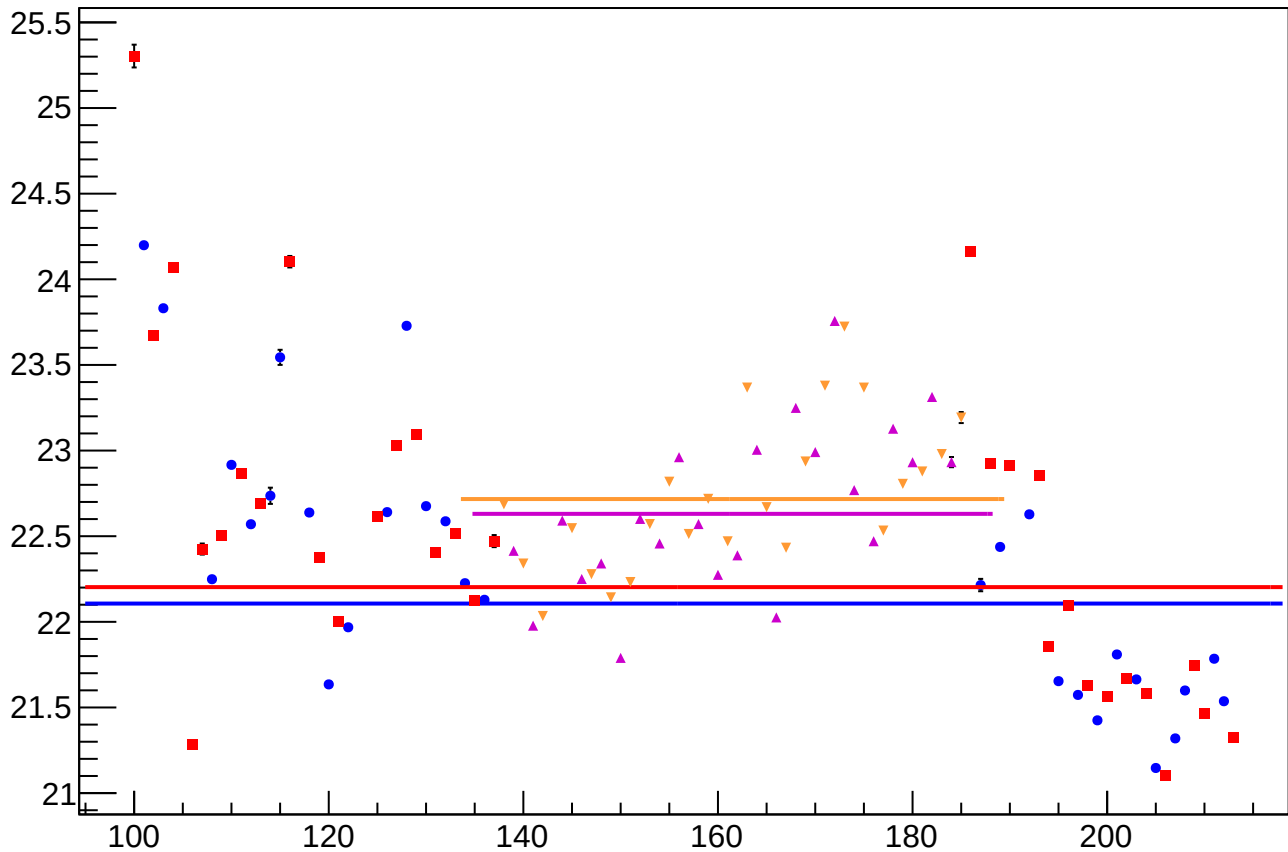
Left In: -5.668 ± 5.286 χ^2/NDF : 20.8/22

+ sign 2.229 ± 3.737 χ^2/NDF : 68.9/52

All: -2.450 ± 2.625 χ^2/NDF : 122.0/107

- sign -7.003 ± 3.687 χ^2/NDF : 49.9/54

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.107 ± 0.004 χ^2/NDF : 40445.3/28

Left Out: 22.717 ± 0.004 χ^2/NDF : 12177.5/23

Right Out: 22.203 ± 0.004 χ^2/NDF : 48636.0/31

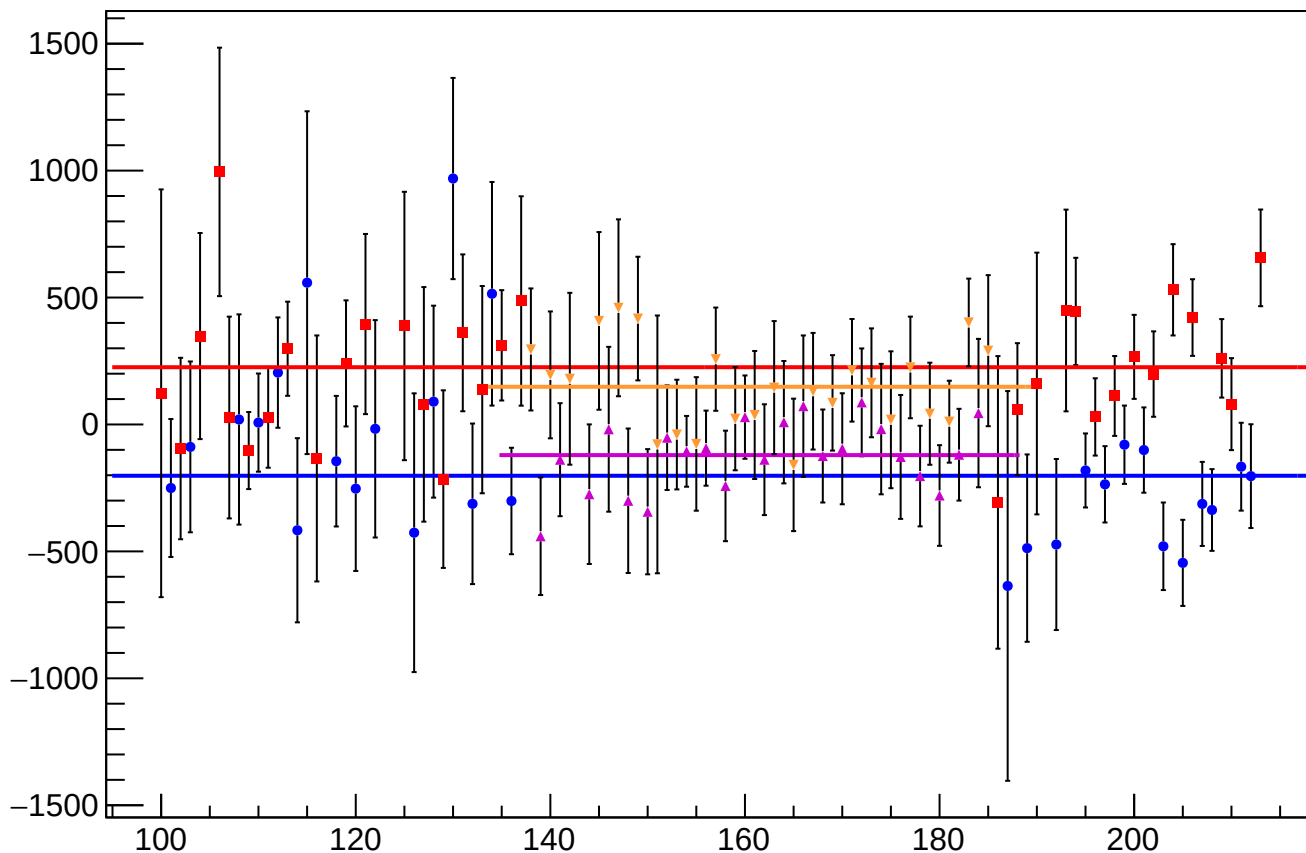
Left In: 22.631 ± 0.004 χ^2/NDF : 15391.4/22

+ sign 22.413 ± 0.003 χ^2/NDF : 65954.6/52

All: 22.412 ± 0.002 χ^2/NDF : 136710.5/107

- sign 22.411 ± 0.003 χ^2/NDF : 70755.4/54

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -202.081 ± 42.338 χ^2/NDF : 30.0/28

Left Out: 148.424 ± 47.213 χ^2/NDF : 10.9/23

Right Out: 225.512 ± 41.083 χ^2/NDF : 28.1/31

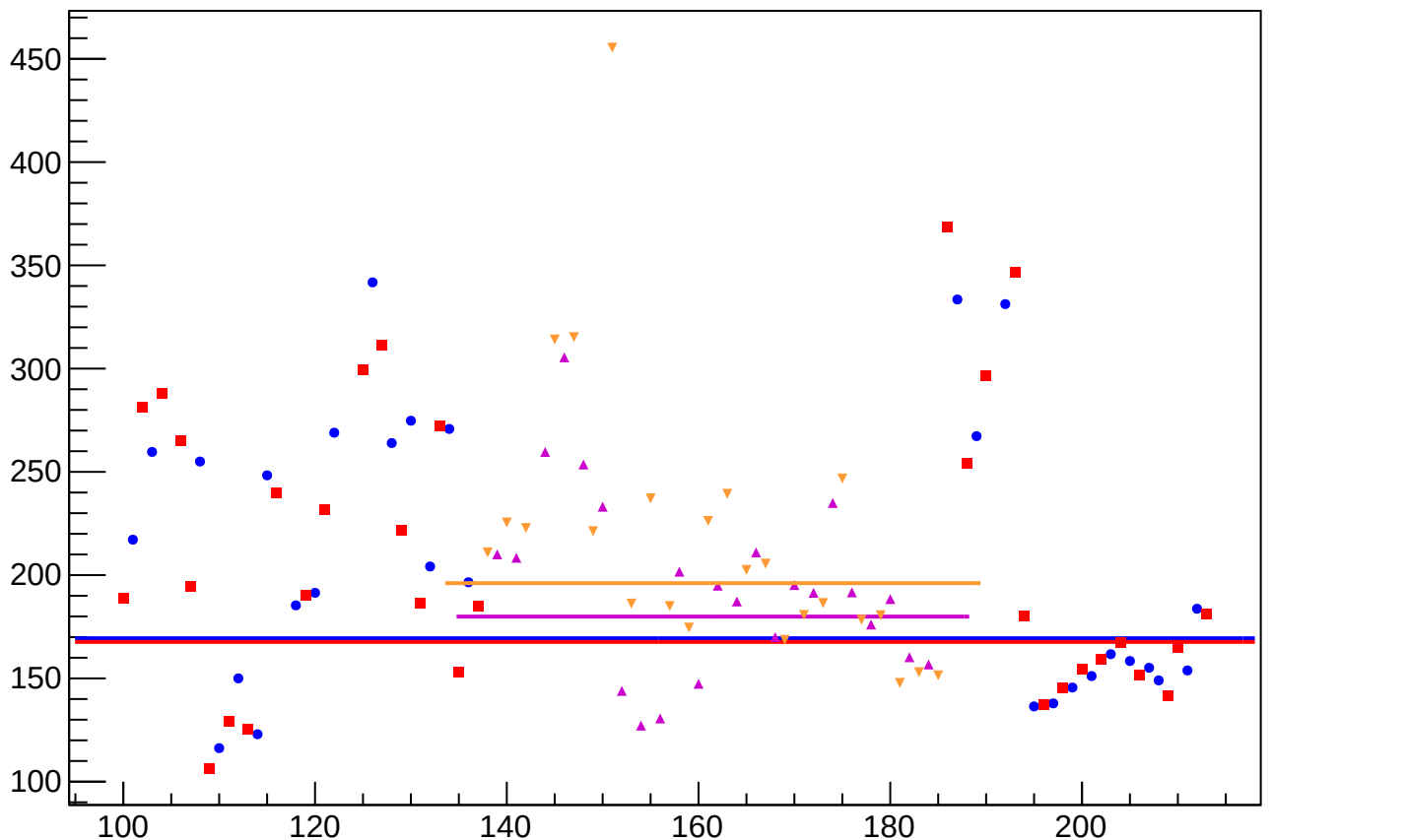
Left In: -120.760 ± 43.920 χ^2/NDF : 7.9/22

+ sign -45.855 ± 31.520 χ^2/NDF : 71.4/52

All: 11.740 ± 21.732 χ^2/NDF : 147.0/107

- sign 63.921 ± 30.003 χ^2/NDF : 69.1/54

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 169.443 $\pm$ 0.030 χ^2 /NDF: 2311141.9/28

Left Out: 196.112 $\pm$ 0.033 χ^2 /NDF:1726285.1/23

Right Out: 167.684 $\pm$ 0.029 χ^2 /NDF: 2847820.6/31

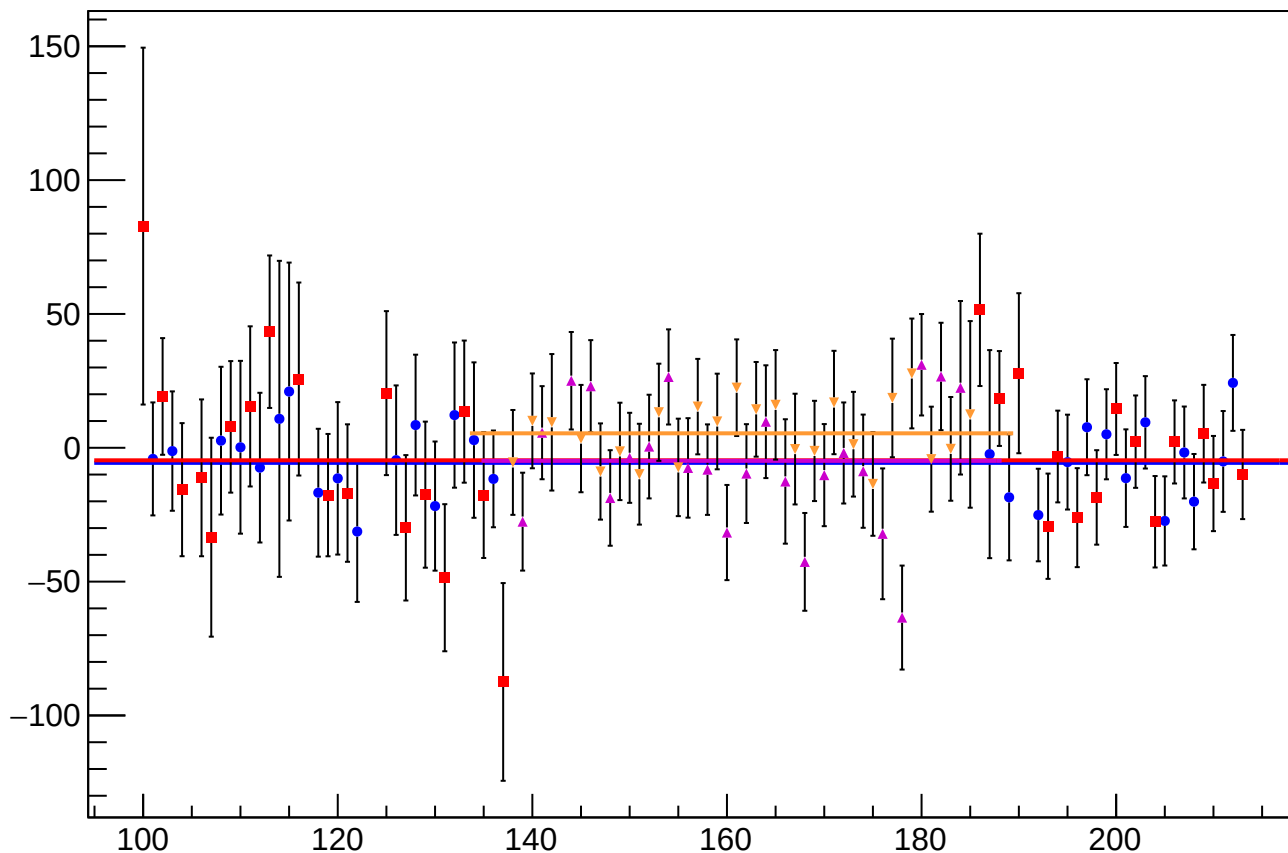
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 181.330 $\pm$ 0.022 χ^2 /NDF: 4391154.9/52

All: 177.167 $\pm$ 0.015 χ^2 /NDF: 9012439.8/107

- sign 173.396 $\pm$ 0.021 χ^2 /NDF: 4554802.5/54

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -5.628 ± 4.045 χ^2/NDF : 11.7/28

Left Out: 5.406 ± 3.972 χ^2/NDF : 7.8/23

Right Out: -4.678 ± 3.927 χ^2/NDF : 33.1/31

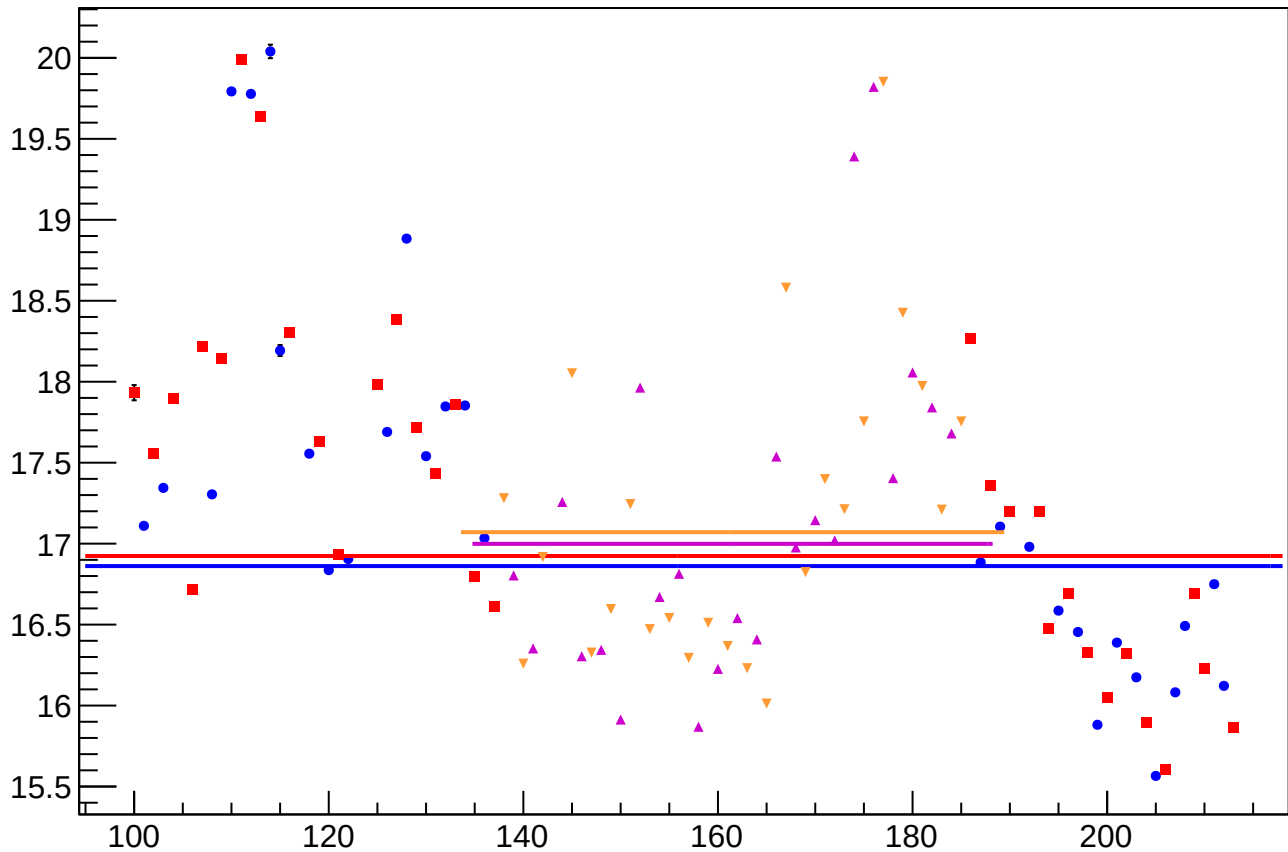
Left In: -4.858 ± 3.980 χ^2/NDF : 35.5/22

+ sign -0.010 ± 2.834 χ^2/NDF : 23.3/52

All: -2.421 ± 1.990 χ^2/NDF : 93.3/107

- sign -4.767 ± 2.795 χ^2/NDF : 68.6/54

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.861 $\pm$ 0.003 χ^2/NDF : 103020.6/28

Left Out: 17.071 $\pm$ 0.003 χ^2/NDF : 96312.6/23

Right Out: 16.924 $\pm$ 0.003 χ^2/NDF : 120908.7/31

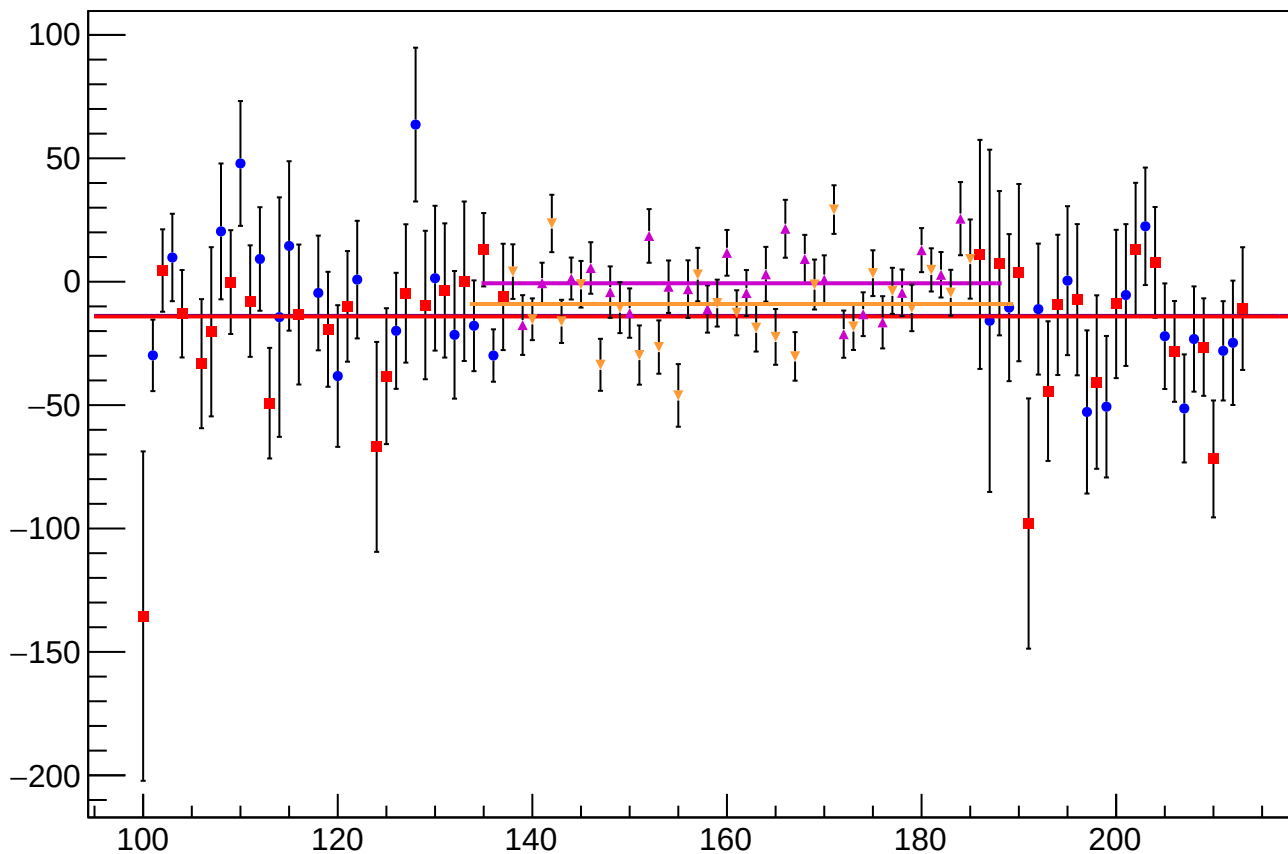
Left In: 16.999 $\pm$ 0.003 χ^2/NDF : 104021.0/22

+ sign 16.968 $\pm$ 0.002 χ^2/NDF : 202057.1/52

All: 16.964 $\pm$ 0.001 χ^2/NDF : 427352.5/107

- sign 16.961 $\pm$ 0.002 χ^2/NDF : 225288.8/54

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -13.859 ± 4.225 $\chi^2/\text{NDF}: 32.3/28$

Left Out: -9.027 ± 2.006 $\chi^2/\text{NDF}: 62.0/24$

Right Out: -14.069 ± 4.311 $\chi^2/\text{NDF}: 28.8/33$

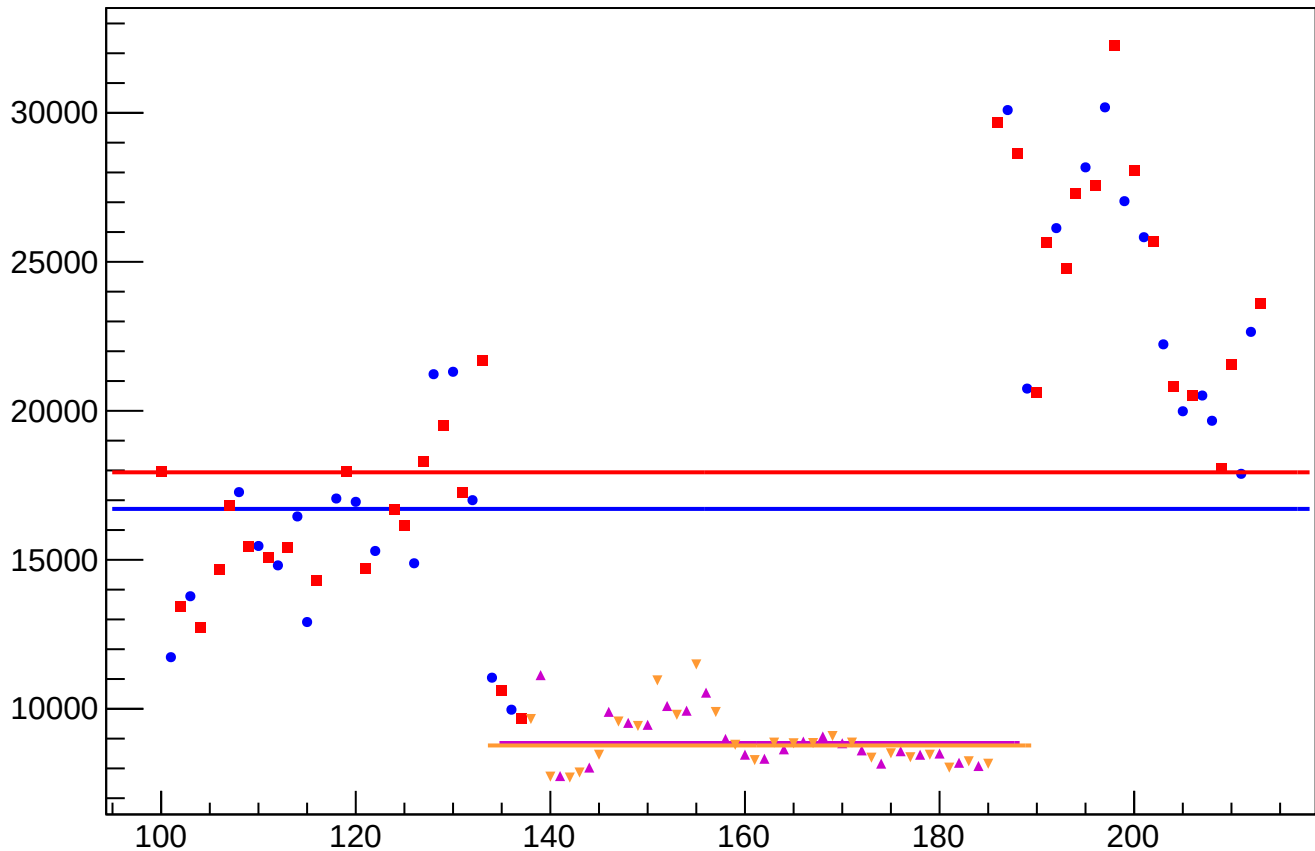
Left In: -0.628 ± 2.079 $\chi^2/\text{NDF}: 29.5/22$

+ sign -9.916 ± 1.812 $\chi^2/\text{NDF}: 95.3/53$

All: -6.651 ± 1.302 $\chi^2/\text{NDF}: 168.3/110$

- sign -3.165 ± 1.873 $\chi^2/\text{NDF}: 66.2/56$

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16708.699+/-2.988 χ^2/NDF : 3261181.4/28

Left Out: 8770.330+/-1.419 χ^2/NDF :345180.6/24

Right Out: 17936.973+/-3.048 χ^2/NDF : 3254526.3/33

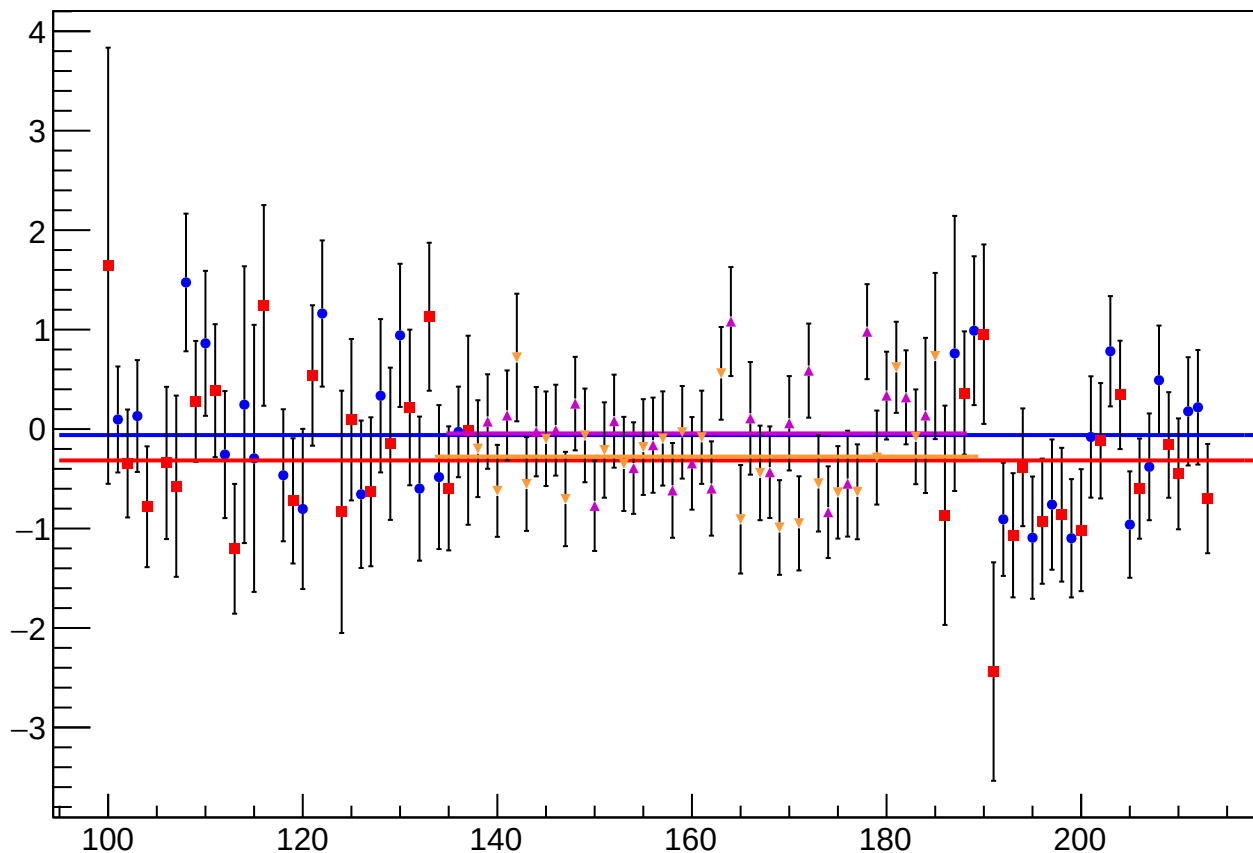
Left In: 8852.820+/-1.470 χ^2/NDF :299860.4/22

+ sign 10231.097+/-1.282 χ^2/NDF : 9367267.0/53

All: 10393.677+/-0.921 χ^2/NDF : 20159642.6

- sign 10567.265+/-1.324 χ^2/NDF : 10759100.5/56

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.061 ± 0.120 χ^2/NDF : 33.1/28

Left Out: -0.277 ± 0.097 χ^2/NDF : 21.0/24

Right Out: -0.316 ± 0.117 χ^2/NDF : 28.9/33

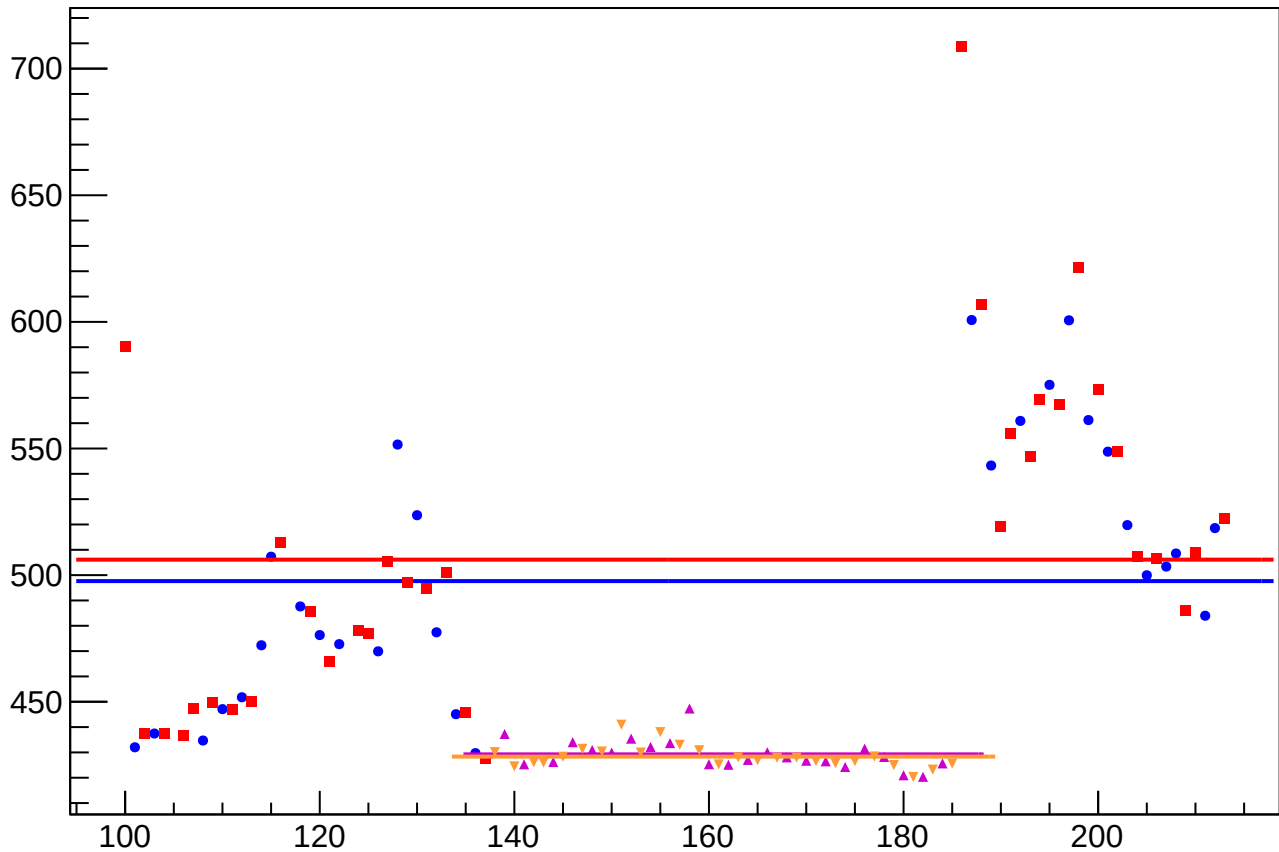
Left In: -0.044 ± 0.100 χ^2/NDF : 23.8/22

+ sign -0.191 ± 0.076 χ^2/NDF : 56.1/53

All: -0.175 ± 0.054 χ^2/NDF : 112.0/110

- sign -0.159 ± 0.076 χ^2/NDF : 55.8/56

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 497.643 ± 0.085 χ^2/NDF : 336041.4/28

Left Out: 428.343 ± 0.069 χ^2/NDF : 4016.5/24

Right Out: 506.115 ± 0.082 χ^2/NDF : 451720.4/33

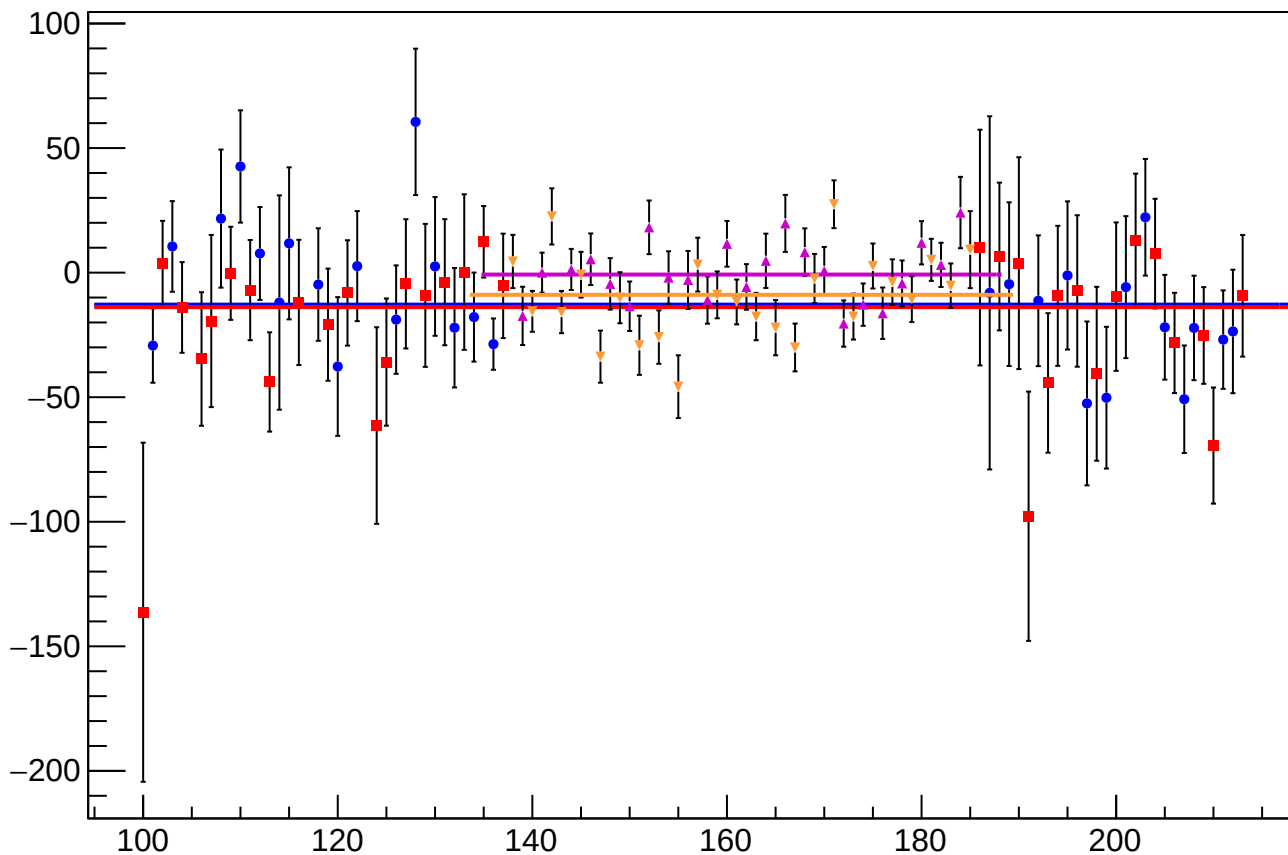
Left In: 429.228 ± 0.071 χ^2/NDF : 6749.9/22

+ sign 455.902 ± 0.053 χ^2/NDF : 743483.9/53

All: 458.874 ± 0.038 χ^2/NDF : 1708045.7/110

- sign 461.885 ± 0.054 χ^2/NDF : 958327.4/56

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -12.841 ± 4.109 χ^2/NDF : 32.8/28

Left Out: -8.904 ± 1.961 χ^2/NDF : 61.6/24

Right Out: -13.846 ± 4.178 χ^2/NDF : 28.3/33

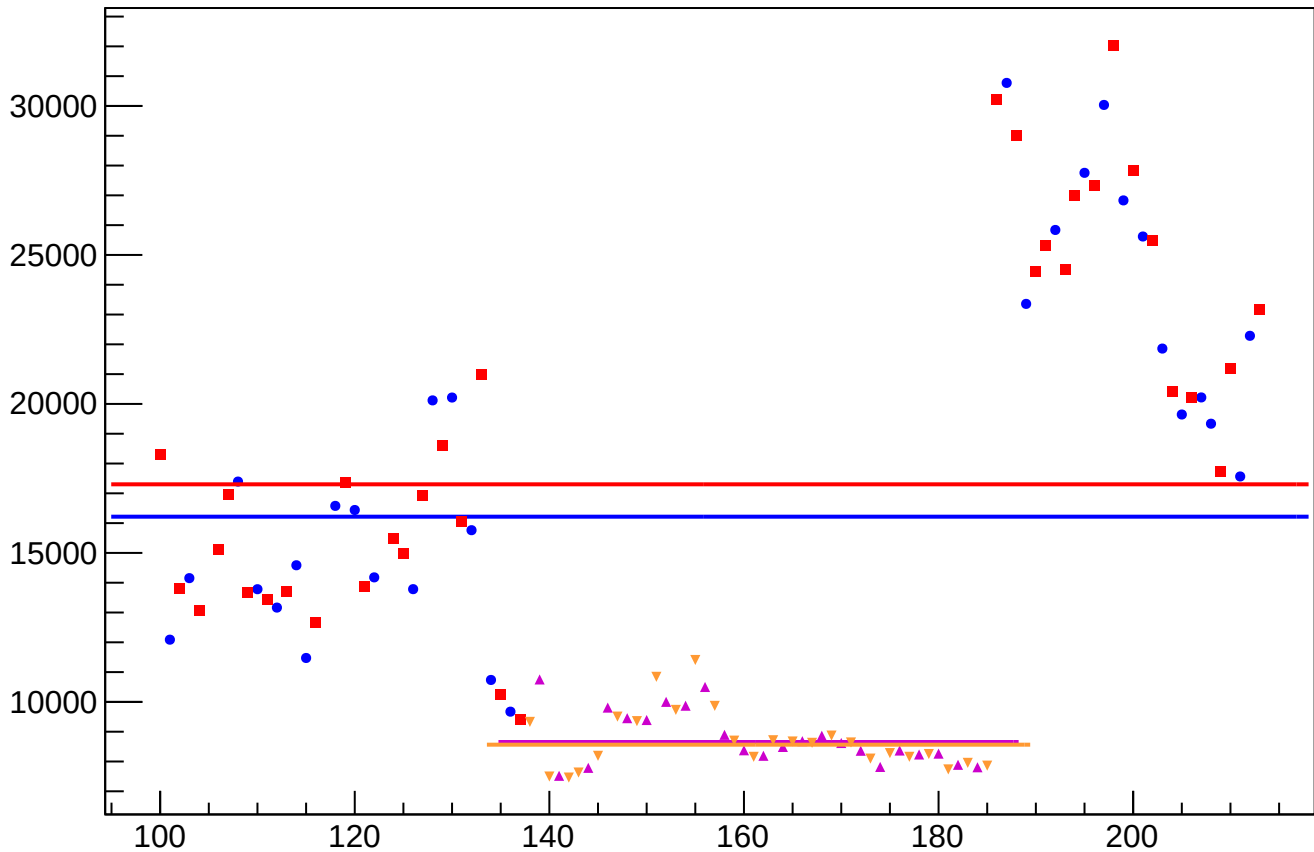
Left In: -0.773 ± 2.034 χ^2/NDF : 29.3/22

+ sign -9.635 ± 1.770 χ^2/NDF : 95.1/53

All: -6.560 ± 1.272 χ^2/NDF : 166.9/110

- sign -3.278 ± 1.829 χ^2/NDF : 65.5/56

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 16216.199+/-2.905 χ^2/NDF : 3435829.8/28

Left Out: 8564.413+/-1.387 χ^2/NDF : 400646.9/24

Right Out: 17302.175+/-2.954 χ^2/NDF : 3565800.2/33

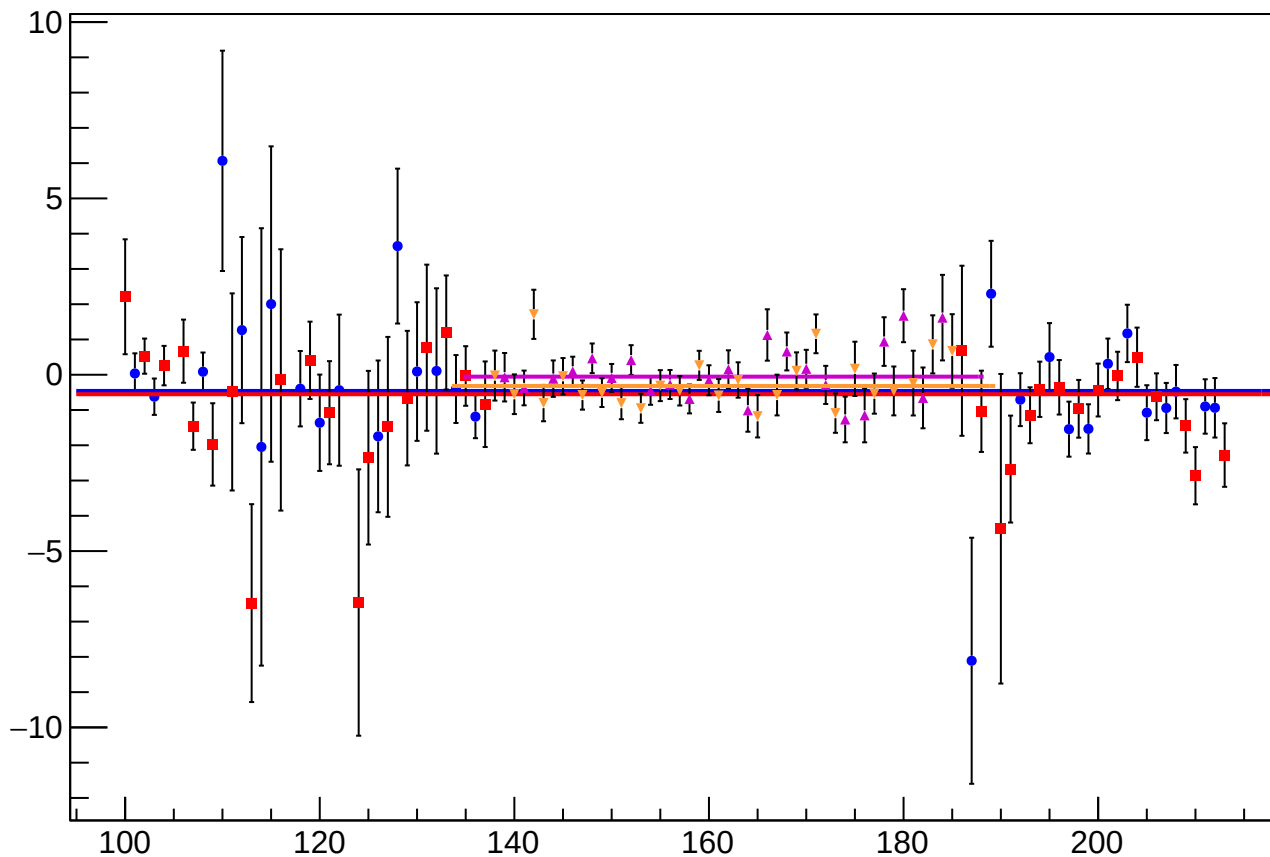
Left In: 8654.310+/-1.438 χ^2/NDF : 345603.4/22

+ sign 9983.784+/-1.251 χ^2/NDF : 9485833.5/53

All: 10142.178+/-0.899 χ^2/NDF : 20358228.2

- sign 10311.317+/-1.293 χ^2/NDF : 10839263.0/56

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.459 ± 0.167 χ^2/NDF : 33.4/28

Left Out: -0.318 ± 0.106 χ^2/NDF : 32.3/24

Right Out: -0.553 ± 0.165 χ^2/NDF : 44.7/33

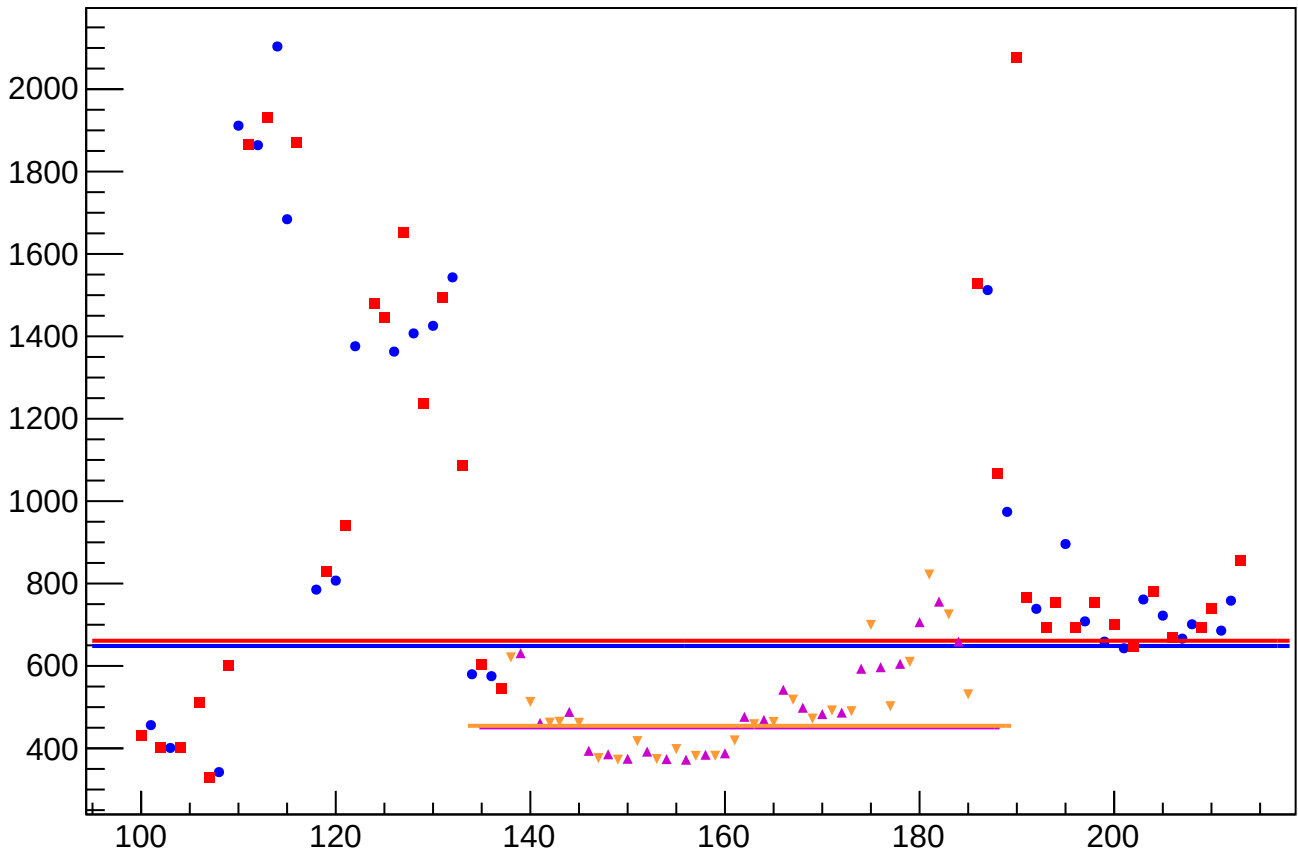
Left In: -0.054 ± 0.108 χ^2/NDF : 29.8/22

+ sign -0.358 ± 0.090 χ^2/NDF : 66.2/53

All: -0.282 ± 0.064 χ^2/NDF : 148.5/110

- sign -0.204 ± 0.090 χ^2/NDF : 80.9/56

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 648.355 ± 0.118 χ^2/NDF : 4177395.8/28

Left Out: 454.697 ± 0.075 χ^2/NDF : 1451363.0/24

Right Out: 661.175 ± 0.117 χ^2/NDF : 4825810.9/33

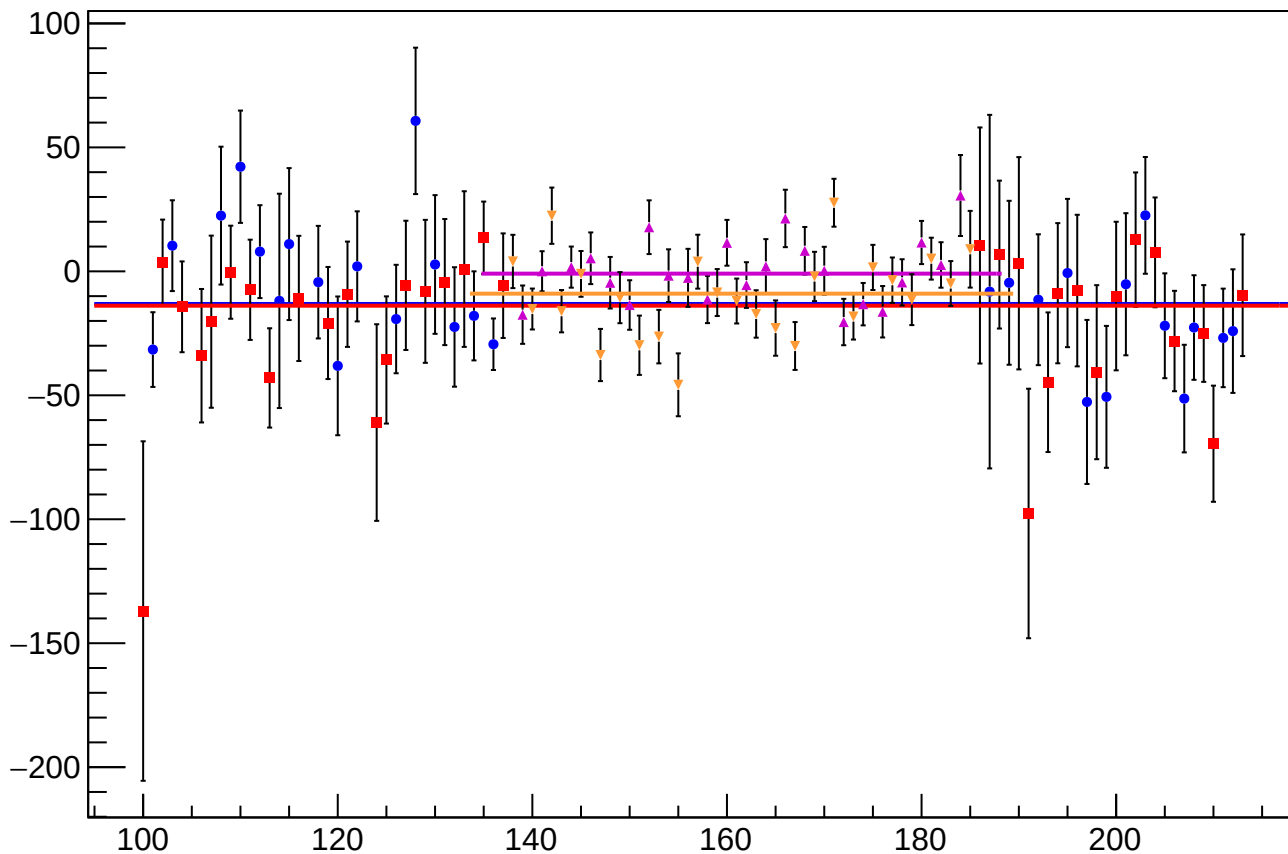
Left In: 450.767 ± 0.076 χ^2/NDF : 1471497.9/22

+ sign 510.212 ± 0.063 χ^2/NDF : 7543267.8/53

All: 512.017 ± 0.045 χ^2/NDF : 16112824.7/11

- sign 513.863 ± 0.064 χ^2/NDF : 8567911.2/56

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -13.160 ± 4.135 χ^2/NDF : 33.3/28

Left Out: -9.001 ± 1.982 χ^2/NDF : 61.3/24

Right Out: -13.849 ± 4.205 χ^2/NDF : 28.0/33

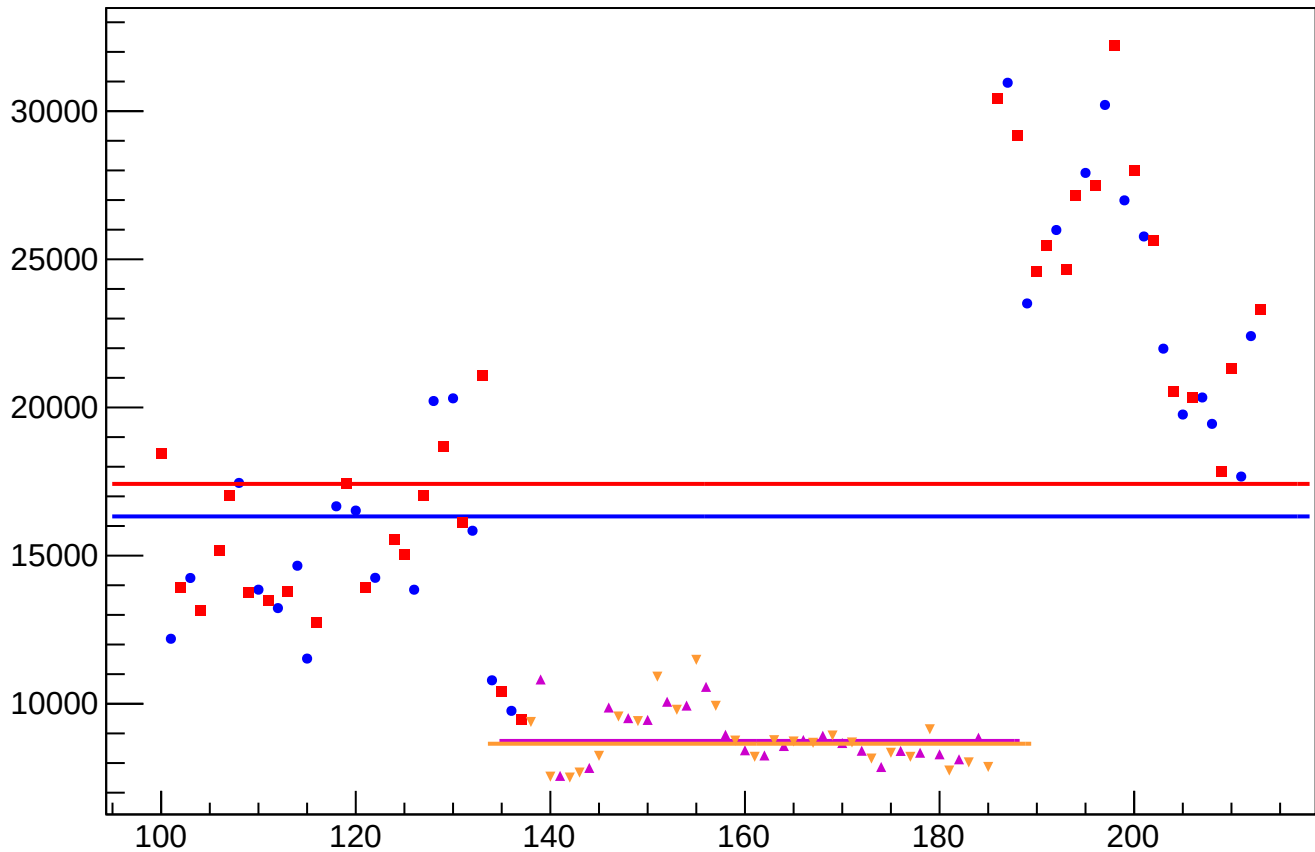
Left In: -0.925 ± 2.056 χ^2/NDF : 29.9/22

+ sign -9.777 ± 1.787 χ^2/NDF : 95.4/53

All: -6.702 ± 1.284 χ^2/NDF : 167.0/110

- sign -3.418 ± 1.847 χ^2/NDF : 65.5/56

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16323.070+/-2.924 χ^2/NDF : 3419772.3/28

Left Out: 8651.872+/-1.401 χ^2/NDF : 405419.4/24

Right Out: 17420.710+/-2.973 χ^2/NDF : 3541842.2/33

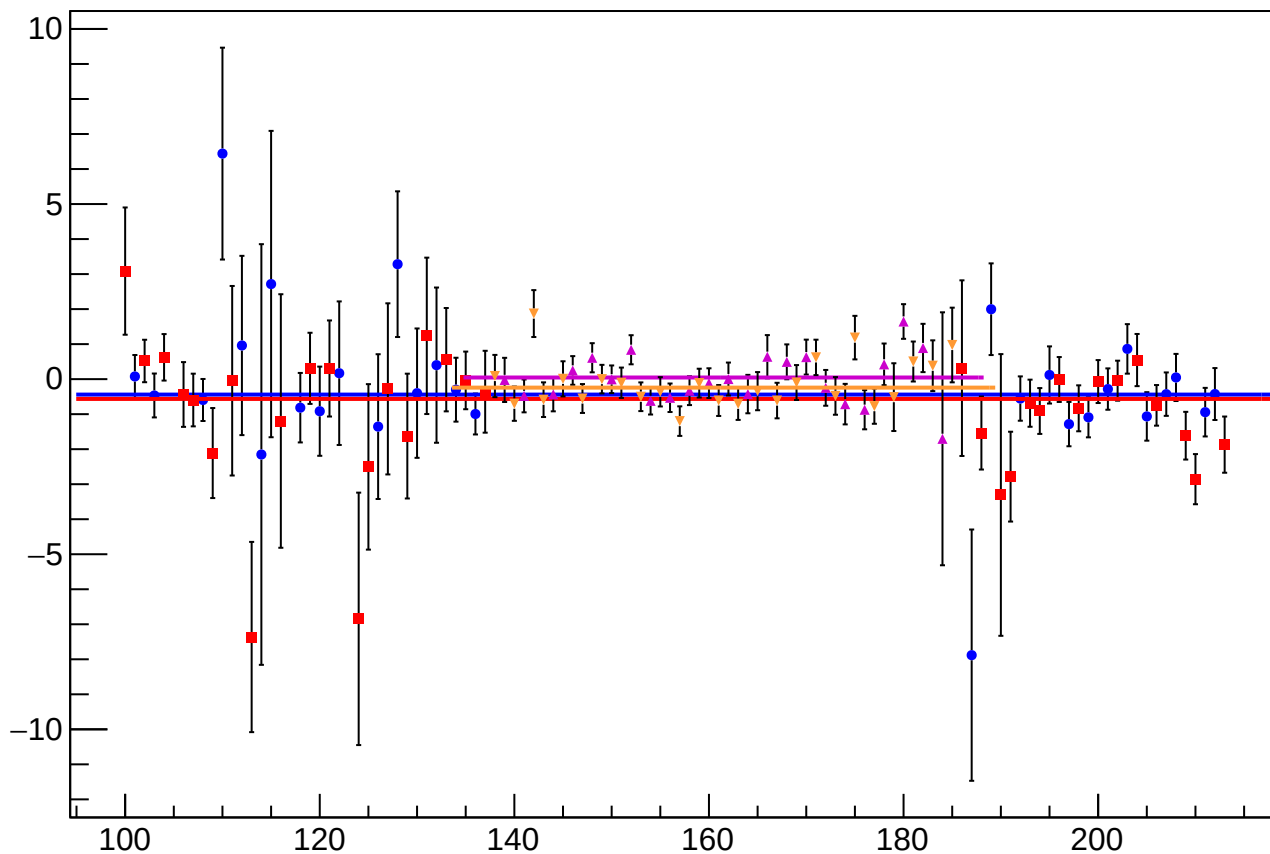
Left In: 8746.106+/-1.454 χ^2/NDF : 331167.0/22

+ sign 10084.719+/-1.264 χ^2/NDF : 9422569.5/53

All: 10246.527+/-0.908 χ^2/NDF : 20199274.3

- sign 10419.312+/-1.306 χ^2/NDF : 10742802.3/56

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.441 $\pm$ 0.156 χ^2/NDF : 28.4/28

Left Out: -0.242 $\pm$ 0.100 χ^2/NDF : 34.3/24

Right Out: -0.565 $\pm$ 0.155 χ^2/NDF : 49.9/33

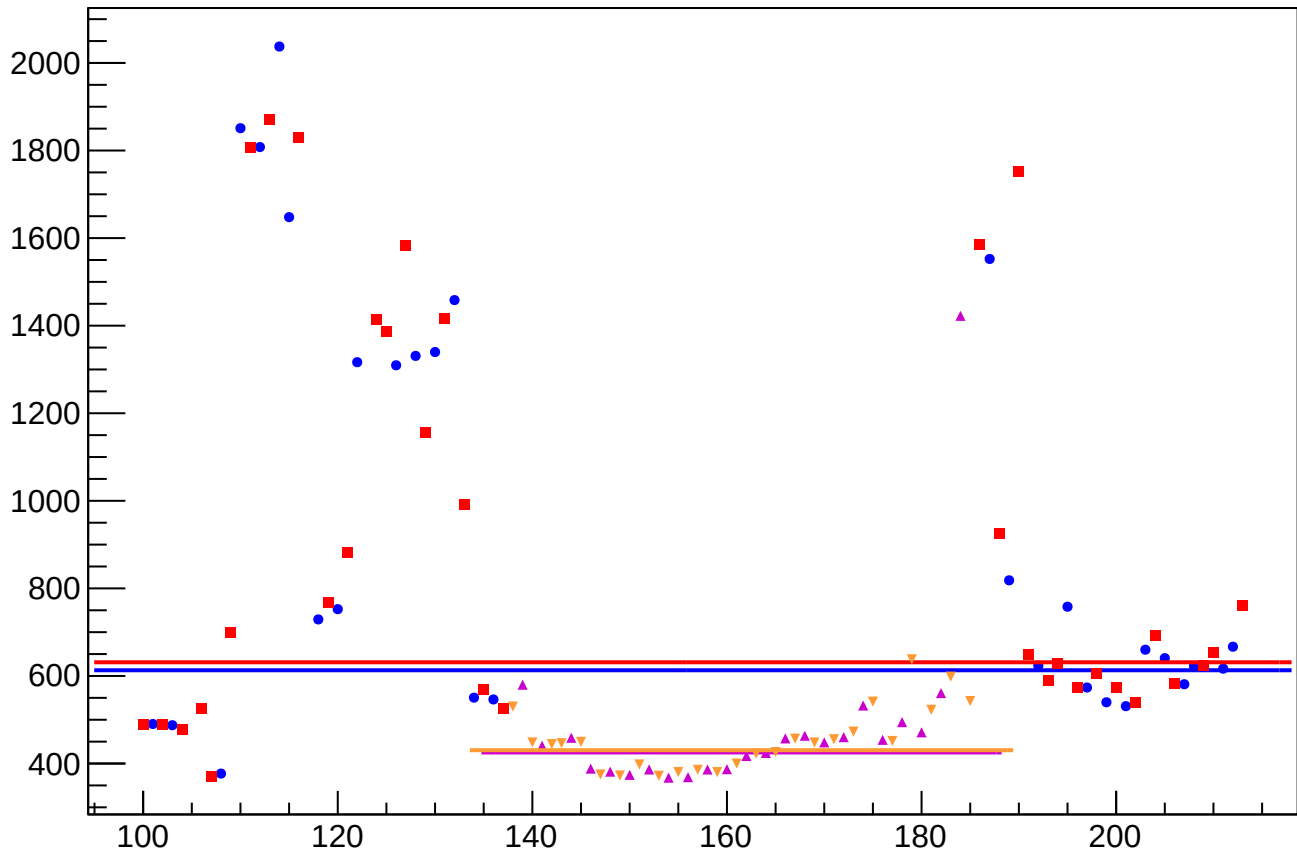
Left In: 0.047 $\pm$ 0.102 χ^2/NDF : 35.1/22

+ sign -0.300 $\pm$ 0.084 χ^2/NDF : 63.8/53

All: -0.219 $\pm$ 0.060 χ^2/NDF : 161.5/110

- sign -0.137 $\pm$ 0.085 χ^2/NDF : 95.8/56

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 613.029 $\pm$ 0.110 χ^2 /NDF: 3210932.2/28

Left Out: 430.437 $\pm$ 0.071 χ^2 /NDF: 648114.1/24

+ sign 483.848 $\pm$ 0.060 χ^2 /NDF: 5801371.1/53

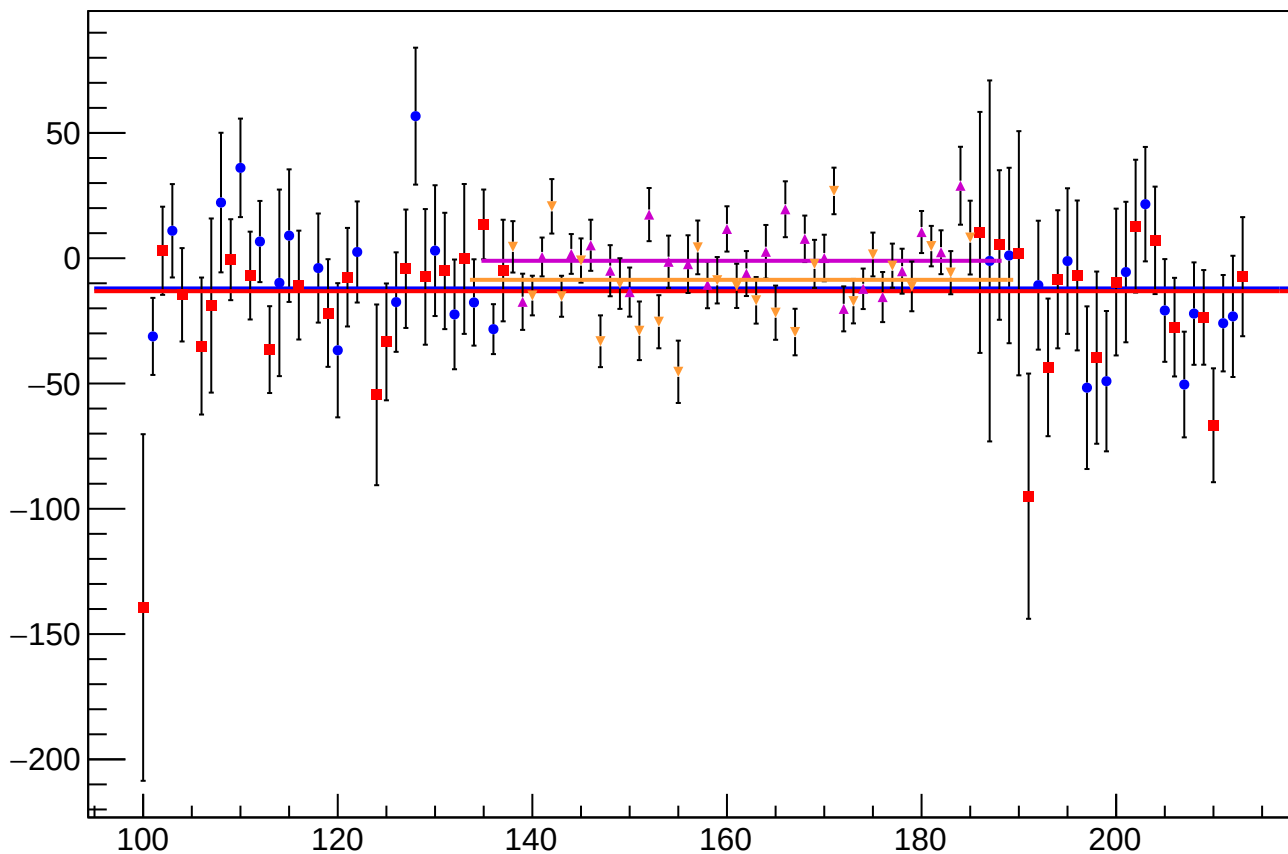
Right Out: 631.251 $\pm$ 0.110 χ^2 /NDF: 3573117.4/33

All: 485.441 $\pm$ 0.042 χ^2 /NDF: 12557459.5/1

- sign 487.061 $\pm$ 0.060 χ^2 /NDF: 6754647.7/56

Left In: 425.312 $\pm$ 0.072 χ^2 /NDF: 716953.2/22

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -12.058 ± 3.943 χ^2/NDF : 34.0/28

Left Out: -8.623 ± 1.913 χ^2/NDF : 61.6/24

Right Out: -13.157 ± 3.985 χ^2/NDF : 27.8/33

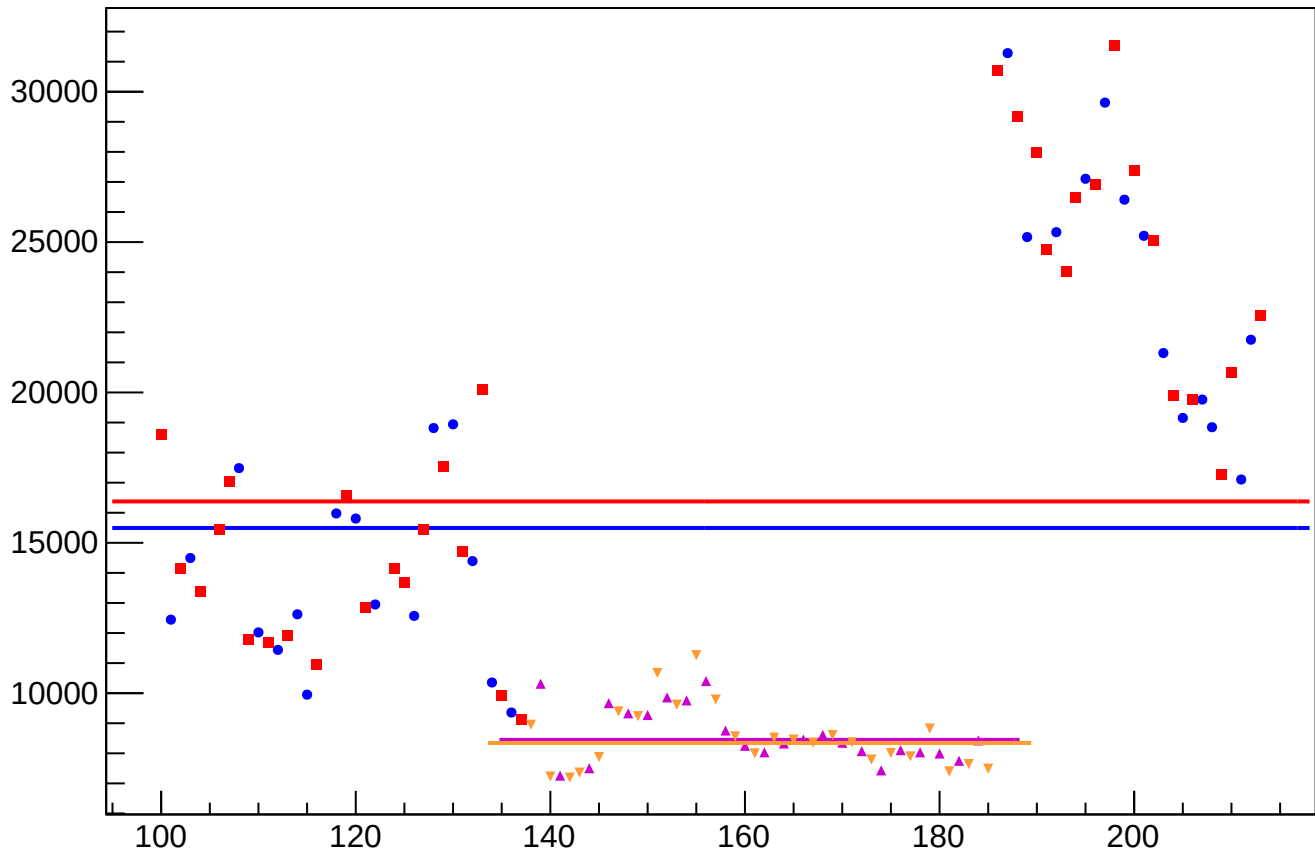
Left In: -1.027 ± 1.987 χ^2/NDF : 29.8/22

+ sign -9.277 ± 1.721 χ^2/NDF : 96.3/53

All: -6.454 ± 1.237 χ^2/NDF : 166.8/110

- sign -3.441 ± 1.778 χ^2/NDF : 65.0/56

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 15493.913+/-2.788 χ^2/NDF : 3726586.2/28

Left Out: 8344.309+/-1.353 χ^2/NDF : 469243.6/24

Right Out: 16376.110+/-2.818 χ^2/NDF : 4081528.5/33

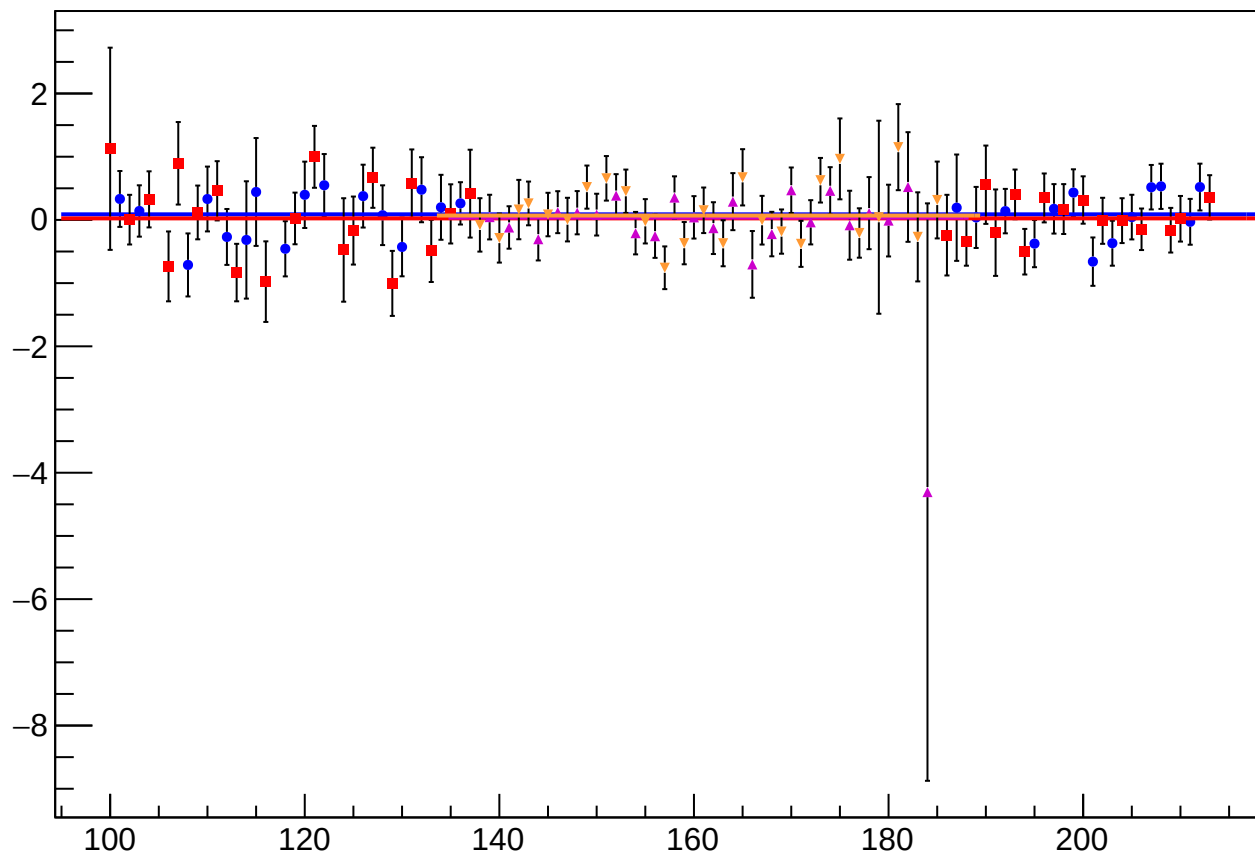
Left In: 8446.686+/-1.405 χ^2/NDF : 381901.7/22

+ sign 9706.813+/-1.217 χ^2/NDF : 9519399.4/53

All: 9860.690+/-0.874 χ^2/NDF : 20357494.7/100

- sign 10024.899+/-1.257 χ^2/NDF : 10805049.3/56

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.088 ± 0.080 χ^2/NDF : 21.9/28

Left Out: 0.069 ± 0.079 χ^2/NDF : 28.2/24

Right Out: 0.024 ± 0.077 χ^2/NDF : 32.3/33

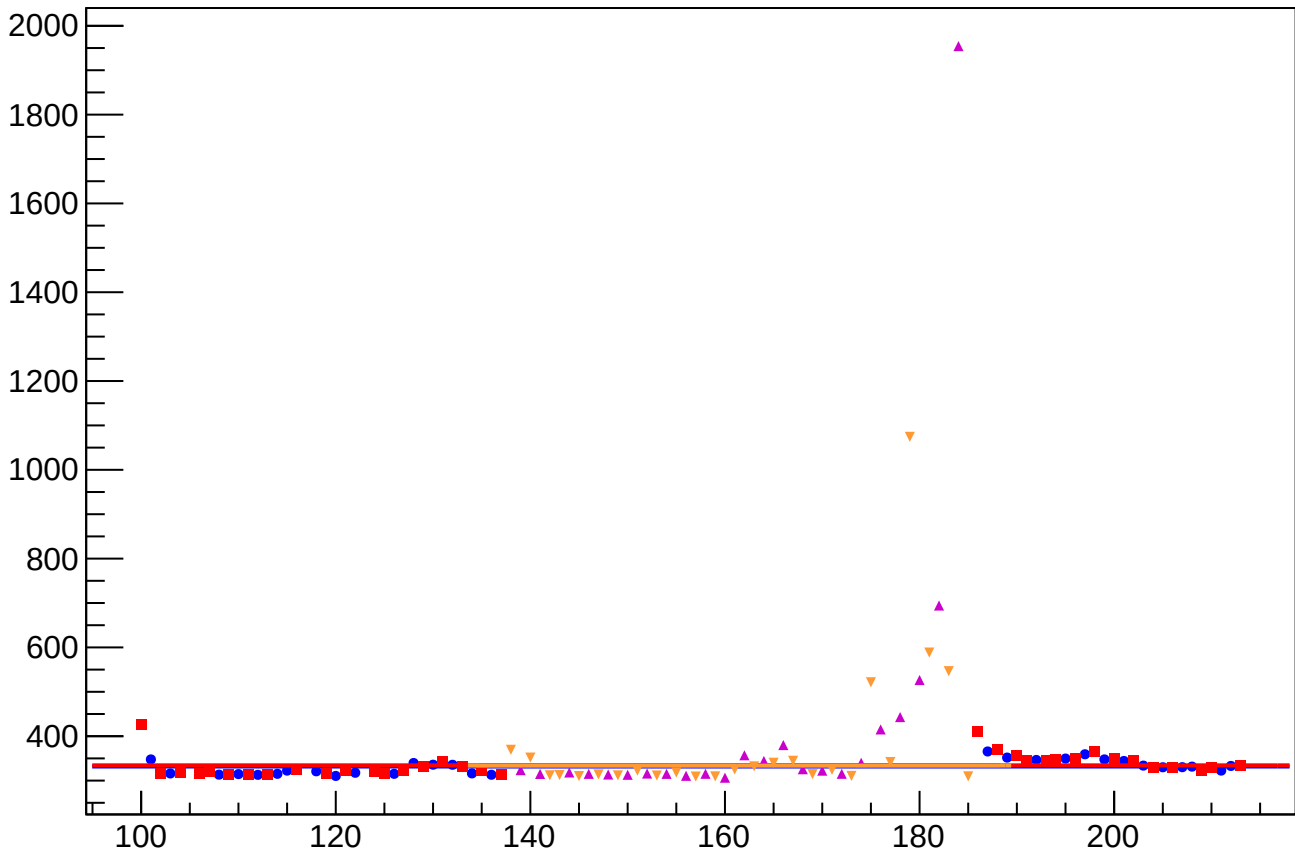
Left In: 0.037 ± 0.081 χ^2/NDF : 11.7/22

+ sign 0.079 ± 0.056 χ^2/NDF : 50.1/53

All: 0.054 ± 0.040 χ^2/NDF : 94.4/110

- sign 0.030 ± 0.056 χ^2/NDF : 43.9/56

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.733 $\pm$ 0.056 χ^2 /NDF: 64220.8/28

Left Out: 333.783 $\pm$ 0.056 χ^2 /NDF:1217257.0/24

Right Out: 334.428 $\pm$ 0.054 χ^2 /NDF: 118804.3/33

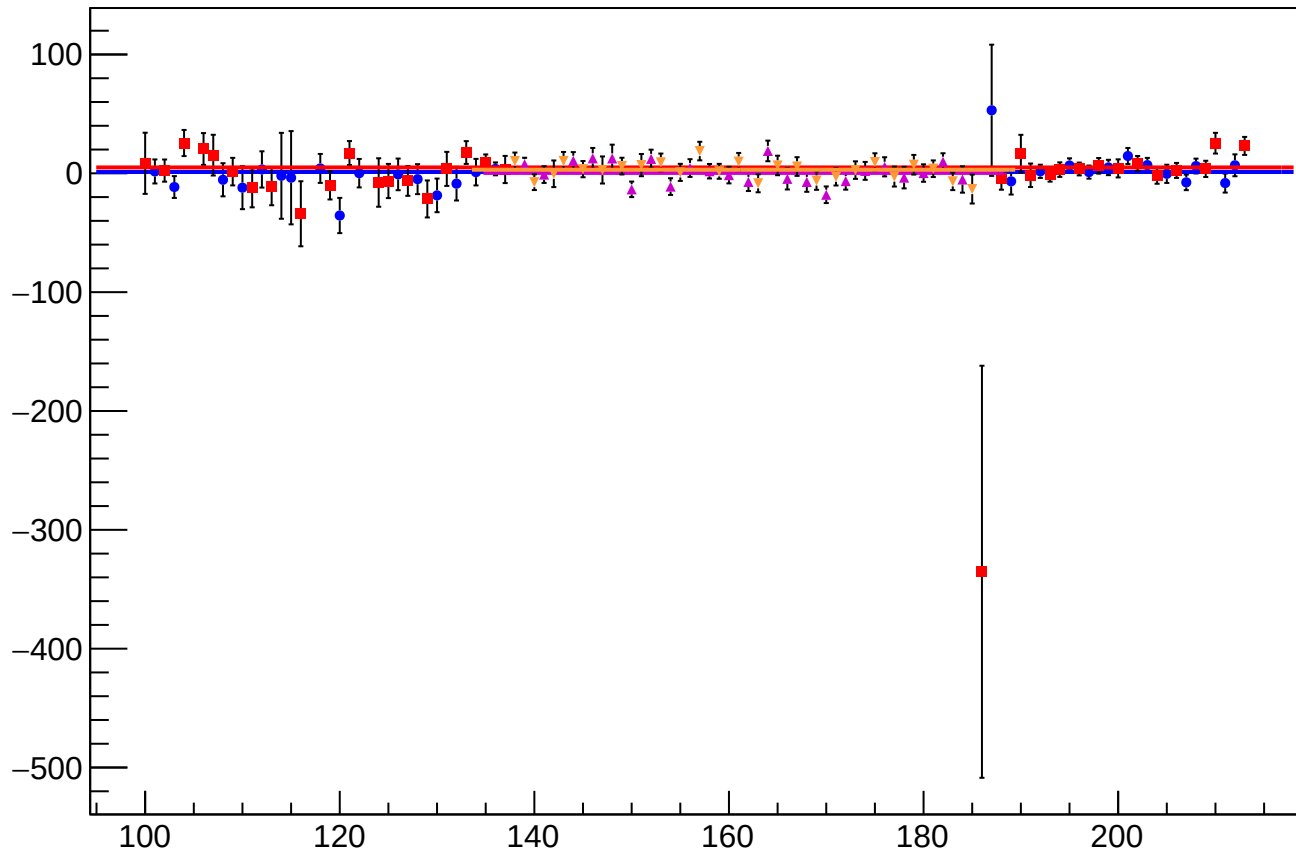
Left In: 333.979 $\pm$ 0.057 χ^2 /NDF:1050984.2/22

+ sign 332.766 $\pm$ 0.040 χ^2 /NDF: 1282145.4/53

All: 333.496 $\pm$ 0.028 χ^2 /NDF: 2452638.5/110

- sign 334.215 $\pm$ 0.039 χ^2 /NDF: 1169820.9/56

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.119 $\pm$ 1.611 χ^2 /NDF: 23.4/28

Left Out: 3.023 $\pm$ 1.542 χ^2 /NDF:20.3/24

Right Out: 4.947 $\pm$ 1.561 χ^2 /NDF: 39.6/33

Left In: 0.351 $\pm$ 1.568 χ^2 /NDF:33.8/22

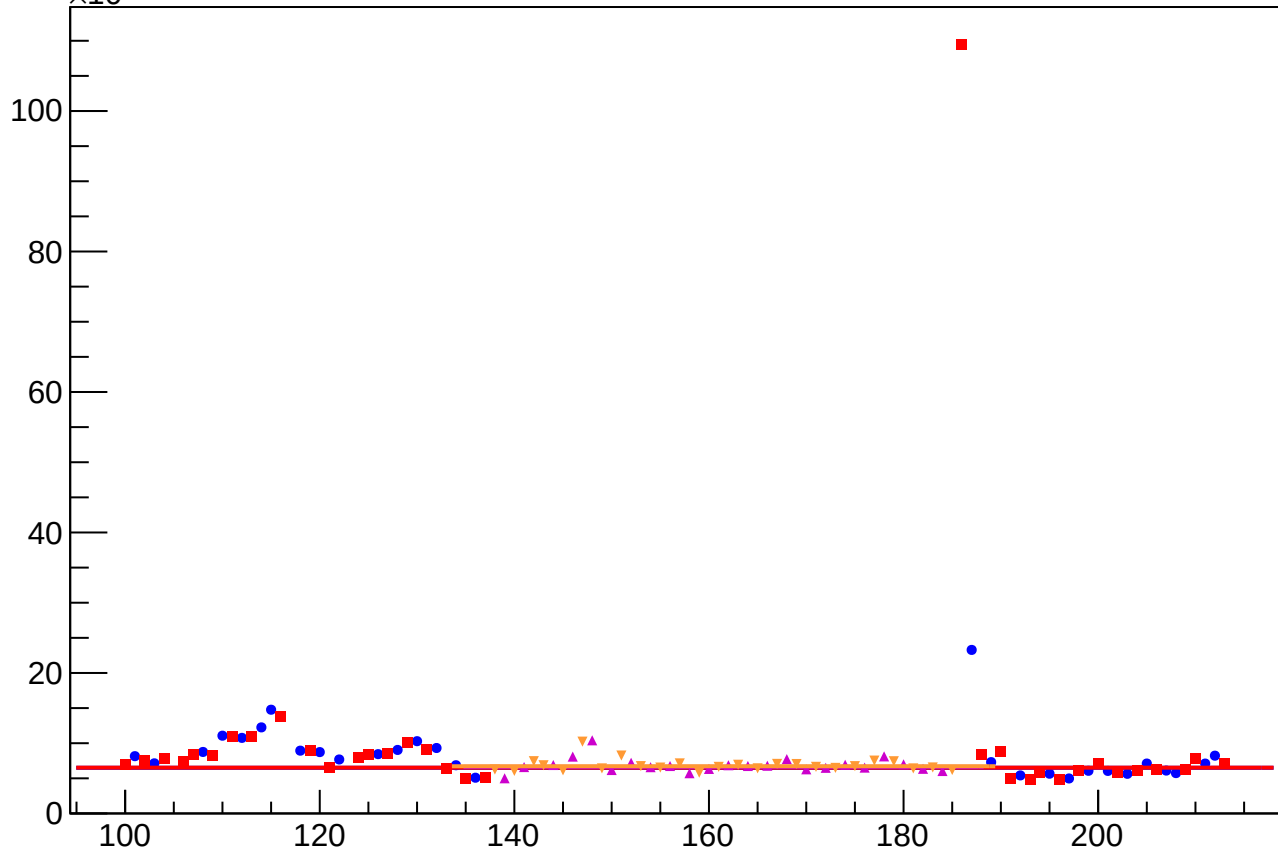
+ sign 2.113 $\pm$ 1.114 χ^2 /NDF: 44.4/53

All: 2.389 $\pm$ 0.785 χ^2 /NDF: 122.3/110

- sign 2.661 $\pm$ 1.106 χ^2 /NDF: 77.7/56

diff_bpm_4aY_4acY_avg_rms vs Slug

$\times 10^3$



Right In: 6497.904 ± 1.139 χ^2/NDF : 1818385.9/28

Left Out: 6722.984 ± 1.090 χ^2/NDF : 403317.7/24

Right Out: 6518.855 ± 1.104 χ^2/NDF : 2441083.7/33

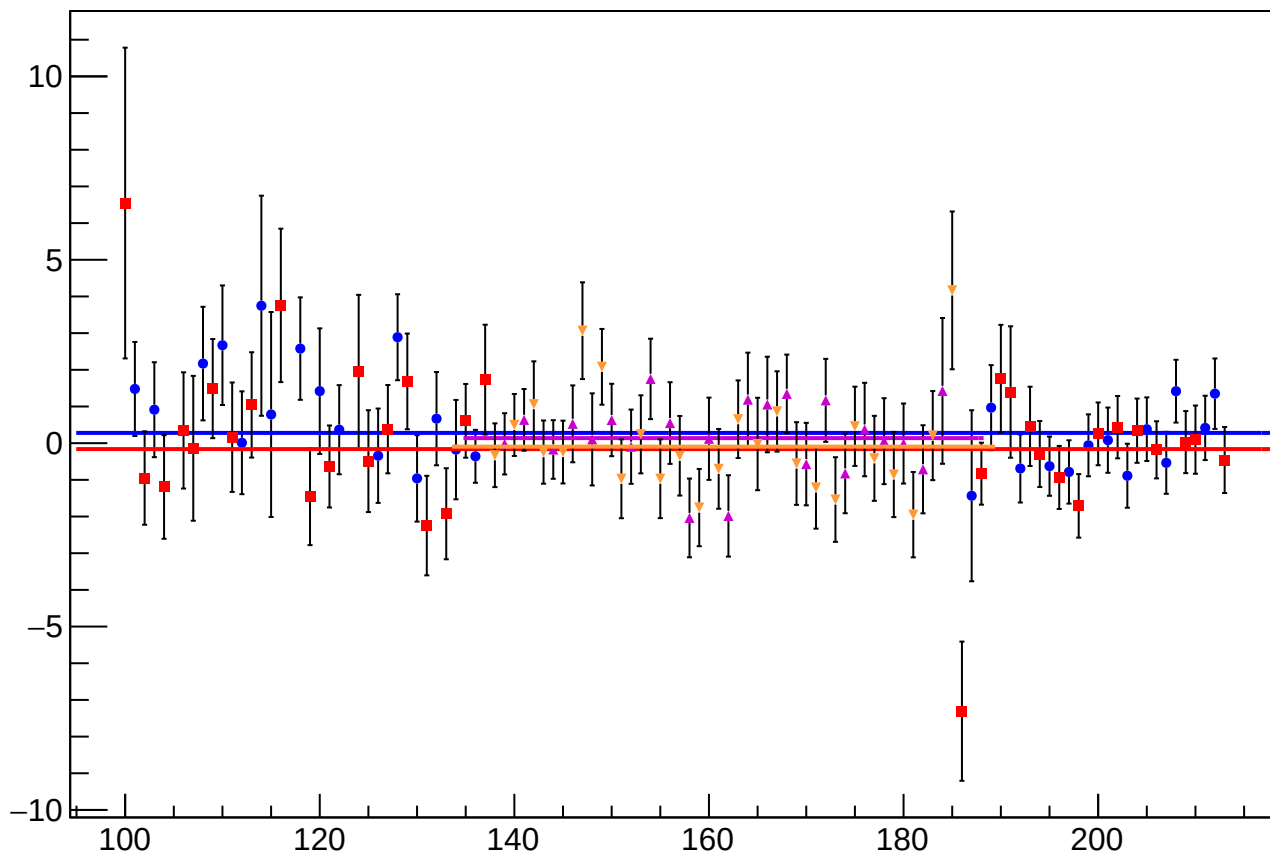
Left In: 6632.723 ± 1.109 χ^2/NDF : 629490.9/22

+ sign 6615.421 ± 0.788 χ^2/NDF : 2242077.0/53

All: 6595.328 ± 0.555 χ^2/NDF : 5319241.3/11

- sign 6575.511 ± 0.782 χ^2/NDF : 3075871.8/56

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.280 ± 0.201 $\chi^2/\text{NDF}: 27.3/28$

Left Out: -0.095 ± 0.215 $\chi^2/\text{NDF}: 27.3/24$

Right Out: -0.161 ± 0.195 $\chi^2/\text{NDF}: 43.2/33$

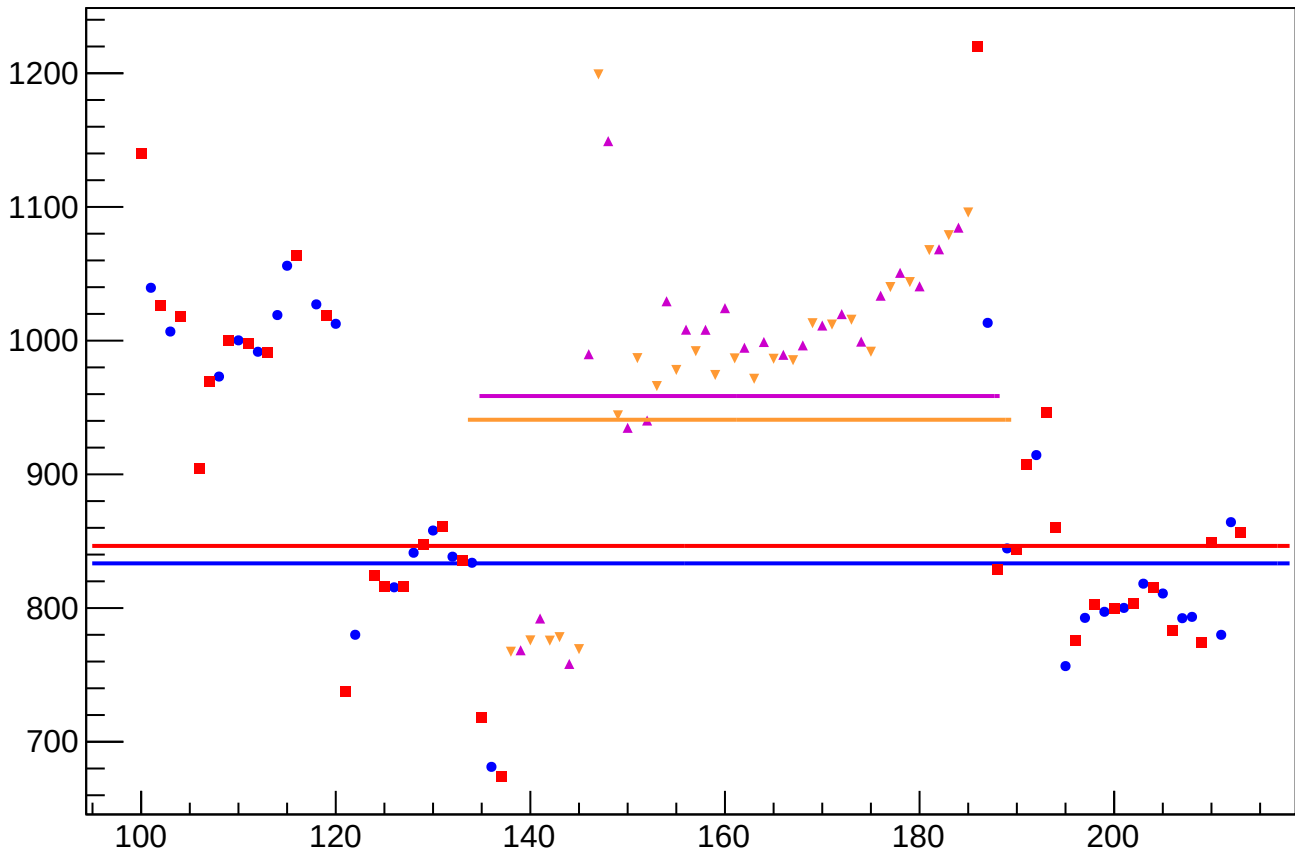
Left In: 0.138 ± 0.225 $\chi^2/\text{NDF}: 16.5/22$

+ sign 0.106 ± 0.147 $\chi^2/\text{NDF}: 56.3/53$

All: 0.037 ± 0.104 $\chi^2/\text{NDF}: 117.4/110$

- sign -0.033 ± 0.147 $\chi^2/\text{NDF}: 60.7/56$

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 833.426 $\pm$ 0.142 χ^2 /NDF: 402136.9/28

Left Out: 940.844 $\pm$ 0.152 χ^2 /NDF: 568776.0/24

Right Out: 846.474 $\pm$ 0.138 χ^2 /NDF: 450765.4/33

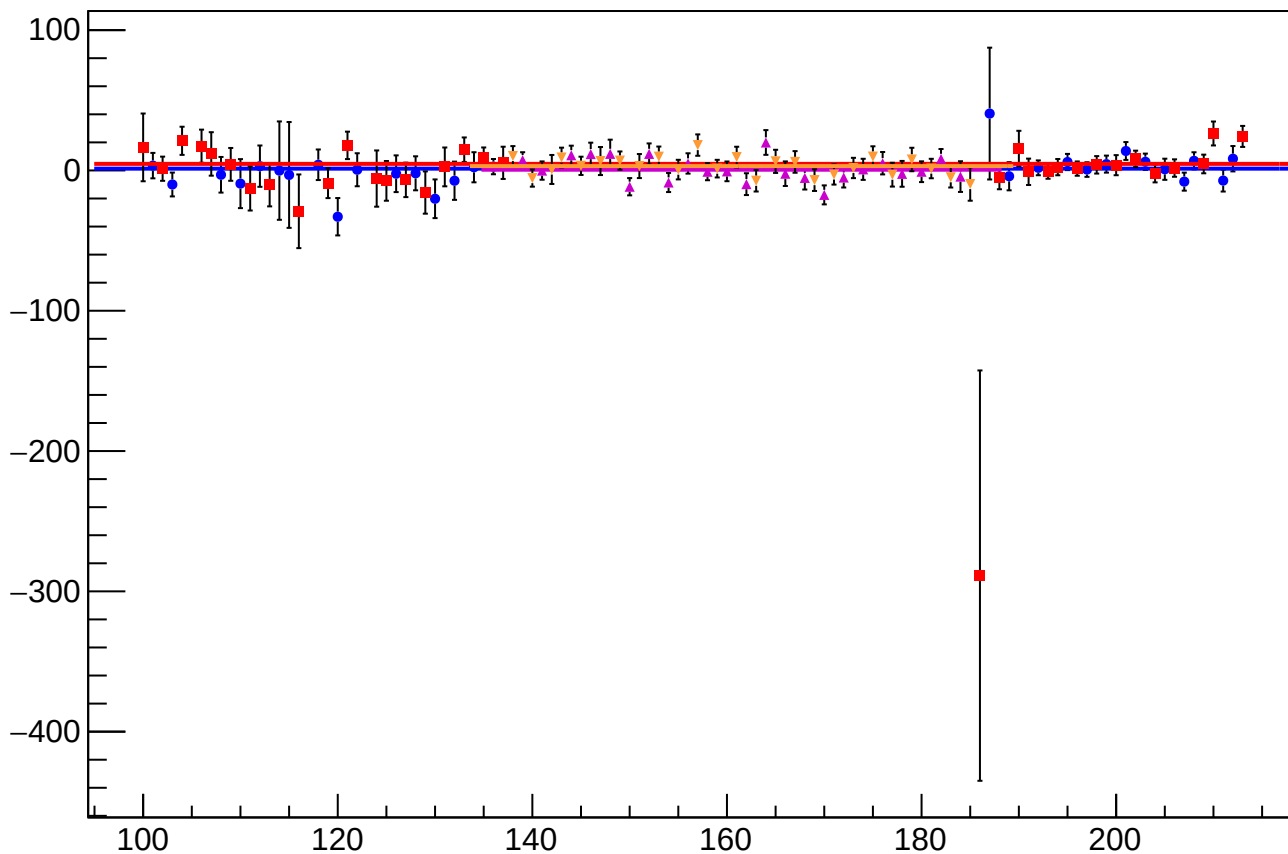
Left In: 958.578 $\pm$ 0.159 χ^2 /NDF: 456824.8/22

+ sign 883.338 $\pm$ 0.104 χ^2 /NDF: 1237250.1/53

All: 888.887 $\pm$ 0.074 χ^2 /NDF: 2433569.3/110

- sign 894.487 $\pm$ 0.104 χ^2 /NDF: 1190578.0/56

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.280 ± 1.543 χ^2/NDF : 23.4/28

Left Out: 3.099 ± 1.500 χ^2/NDF : 18.6/24

Right Out: 4.682 ± 1.487 χ^2/NDF : 40.4/33

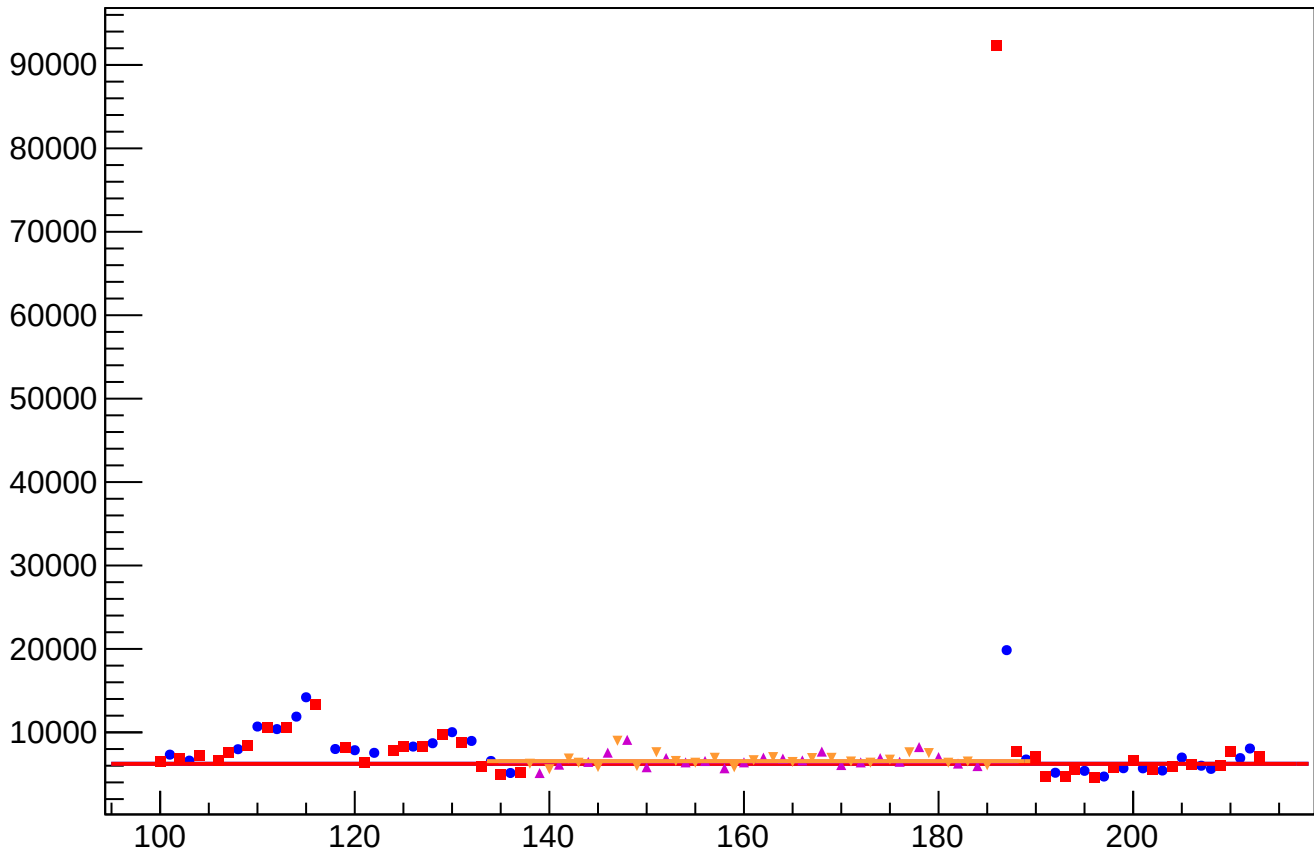
Left In: 0.519 ± 1.535 χ^2/NDF : 32.0/22

+ sign 2.215 ± 1.075 χ^2/NDF : 42.7/53

All: 2.442 ± 0.758 χ^2/NDF : 119.0/110

- sign 2.666 ± 1.068 χ^2/NDF : 76.2/56

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6232.641 $\pm$ 1.091 χ^2 /NDF: 1738358.3/28

Left Out: 6548.897 $\pm$ 1.061 χ^2 /NDF:366072.4/24

Right Out: 6226.567 $\pm$ 1.052 χ^2 /NDF: 2390106.6/33

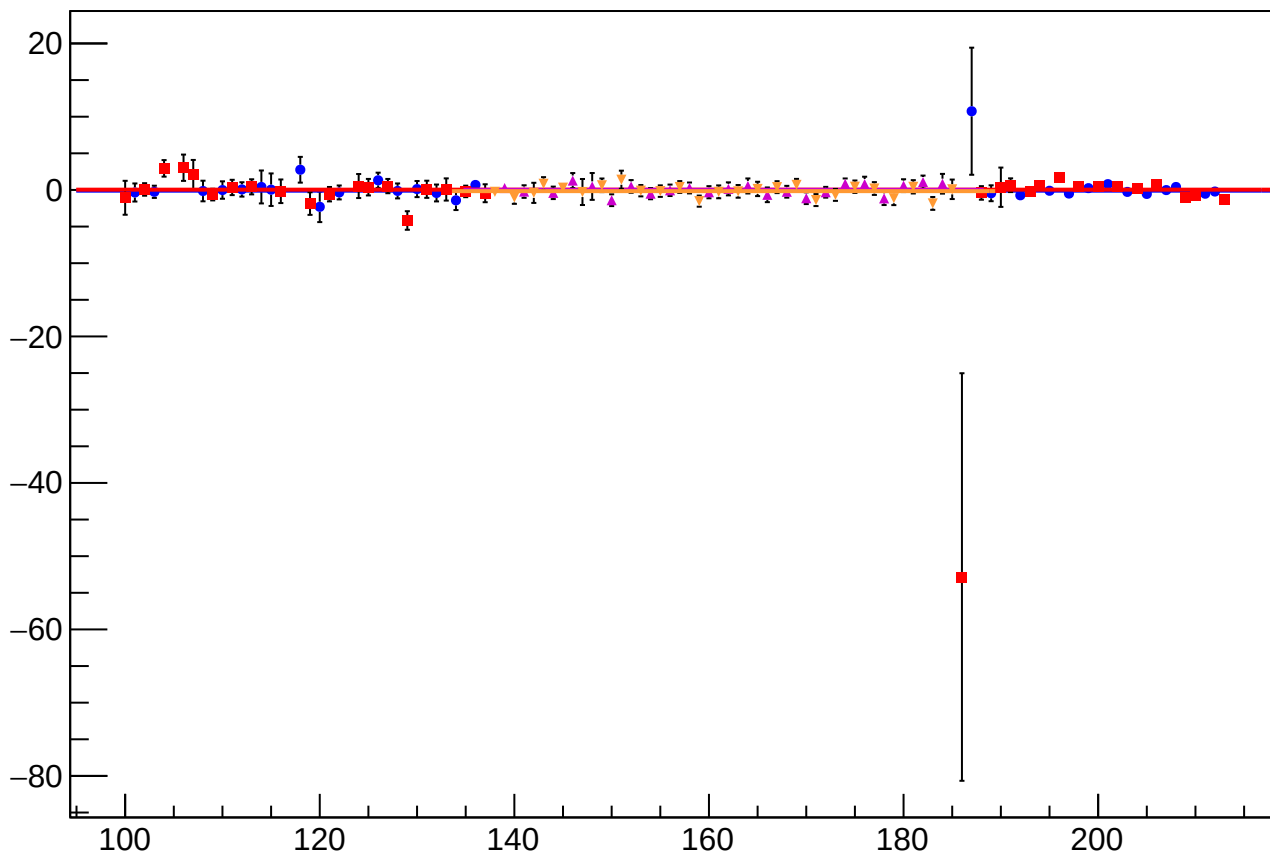
Left In: 6505.057 $\pm$ 1.085 χ^2 /NDF:515496.8/22

+ sign 6395.163 $\pm$ 0.760 χ^2 /NDF: 2147634.8/53

All: 6378.180 $\pm$ 0.536 χ^2 /NDF: 5088187.4/11

- sign 6361.428 $\pm$ 0.755 χ^2 /NDF: 2939561.9/56

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.097 ± 0.133 χ^2/NDF : 17.8/28

Left Out: -0.162 ± 0.172 χ^2/NDF : 19.0/24

Right Out: 0.037 ± 0.130 χ^2/NDF : 60.0/33

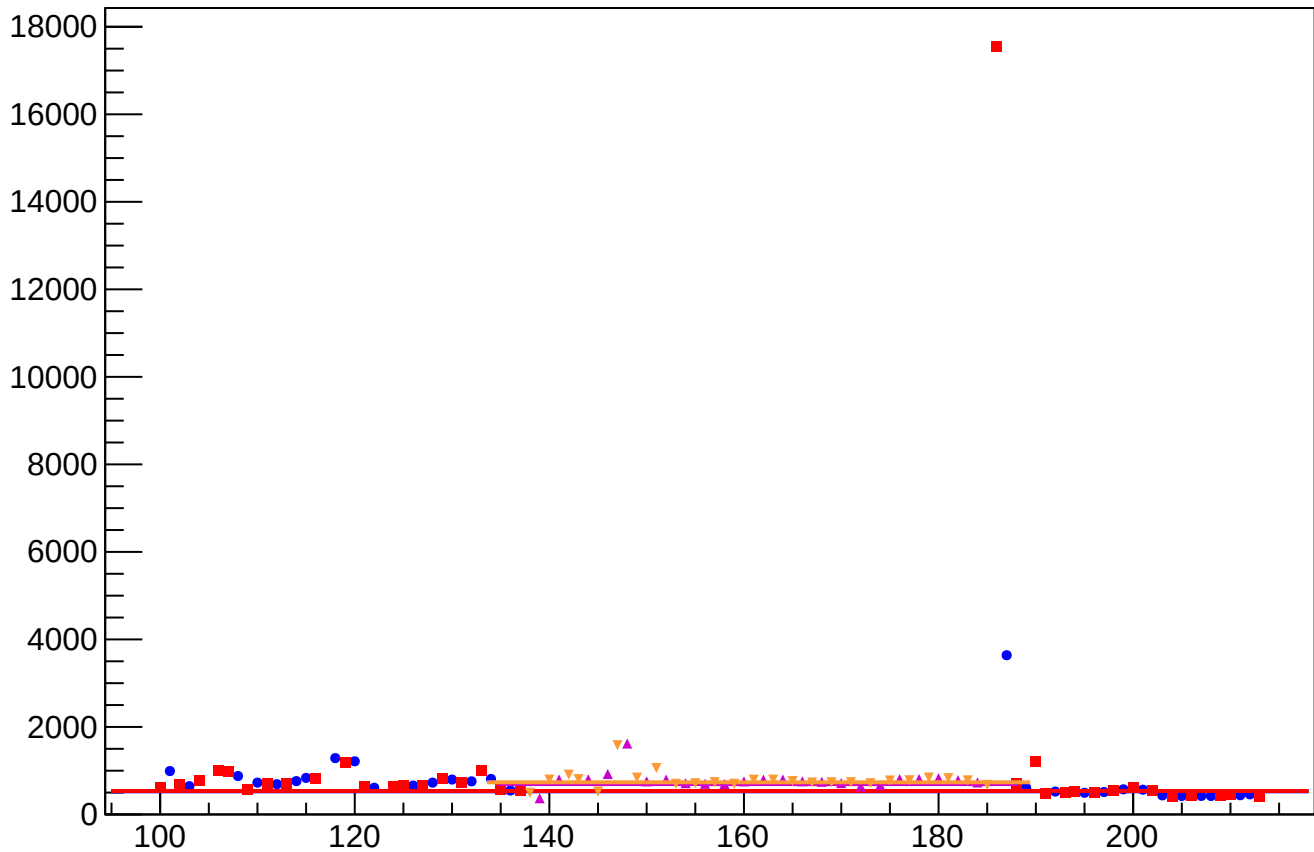
Left In: 0.017 ± 0.169 χ^2/NDF : 15.2/22

+ sign -0.122 ± 0.105 χ^2/NDF : 36.8/53

All: -0.044 ± 0.074 χ^2/NDF : 113.1/110

- sign 0.030 ± 0.103 χ^2/NDF : 75.3/56

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 529.013 ± 0.094 χ^2/NDF : 2419460.3/28

Left Out: 734.984 ± 0.122 χ^2/NDF : 1339748.9/24

Right Out: 536.286 ± 0.092 χ^2/NDF : 2890194.6/33

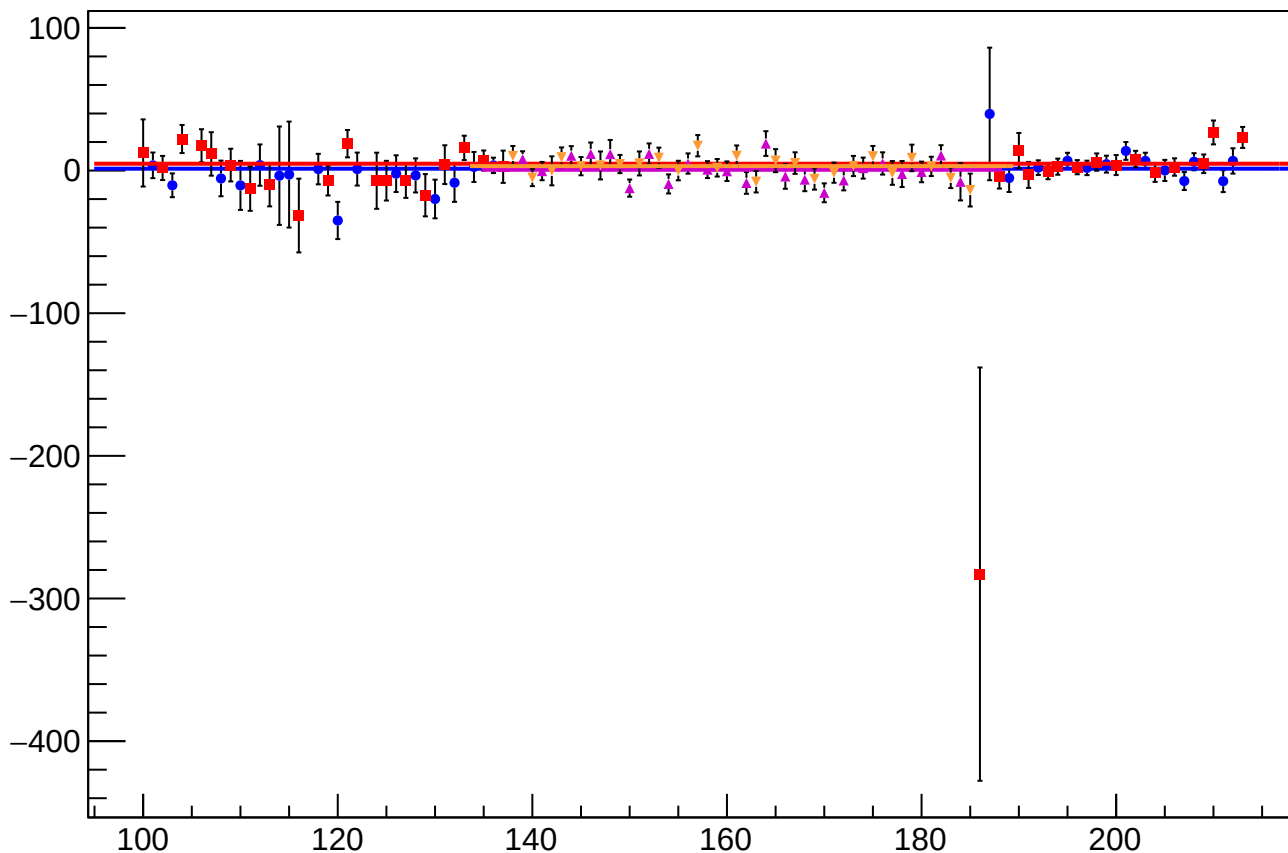
Left In: 694.150 ± 0.120 χ^2/NDF : 2225094.5/22

+ sign 605.835 ± 0.074 χ^2/NDF : 5555074.6/53

All: 600.402 ± 0.052 χ^2/NDF : 11774245.8/117

- sign 595.160 ± 0.073 χ^2/NDF : 6208673.0/56

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.302 ± 1.513 χ^2/NDF : 25.5/28

Left Out: 3.111 ± 1.476 χ^2/NDF : 18.7/24

Right Out: 4.797 ± 1.458 χ^2/NDF : 41.2/33

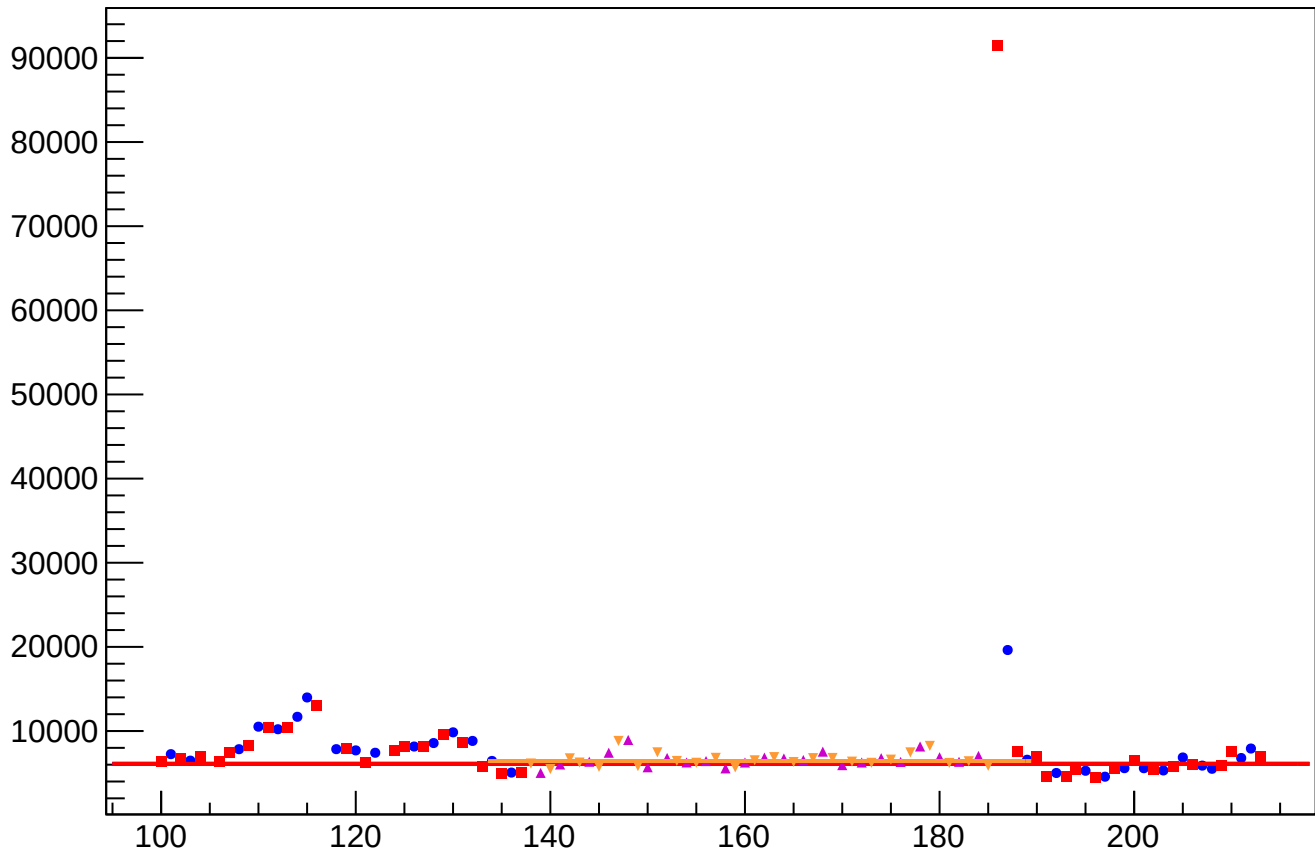
Left In: 0.550 ± 1.512 χ^2/NDF : 33.6/22

+ sign 2.229 ± 1.056 χ^2/NDF : 45.0/53

All: 2.492 ± 0.745 χ^2/NDF : 124.0/110

- sign 2.752 ± 1.050 χ^2/NDF : 78.9/56

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6107.162+/-1.070 χ^2/NDF : 1768142.5/28

Left Out: 6435.363+/-1.044 χ^2/NDF : 417318.3/24

Right Out: 6097.333+/-1.031 χ^2/NDF : 2414499.1/33

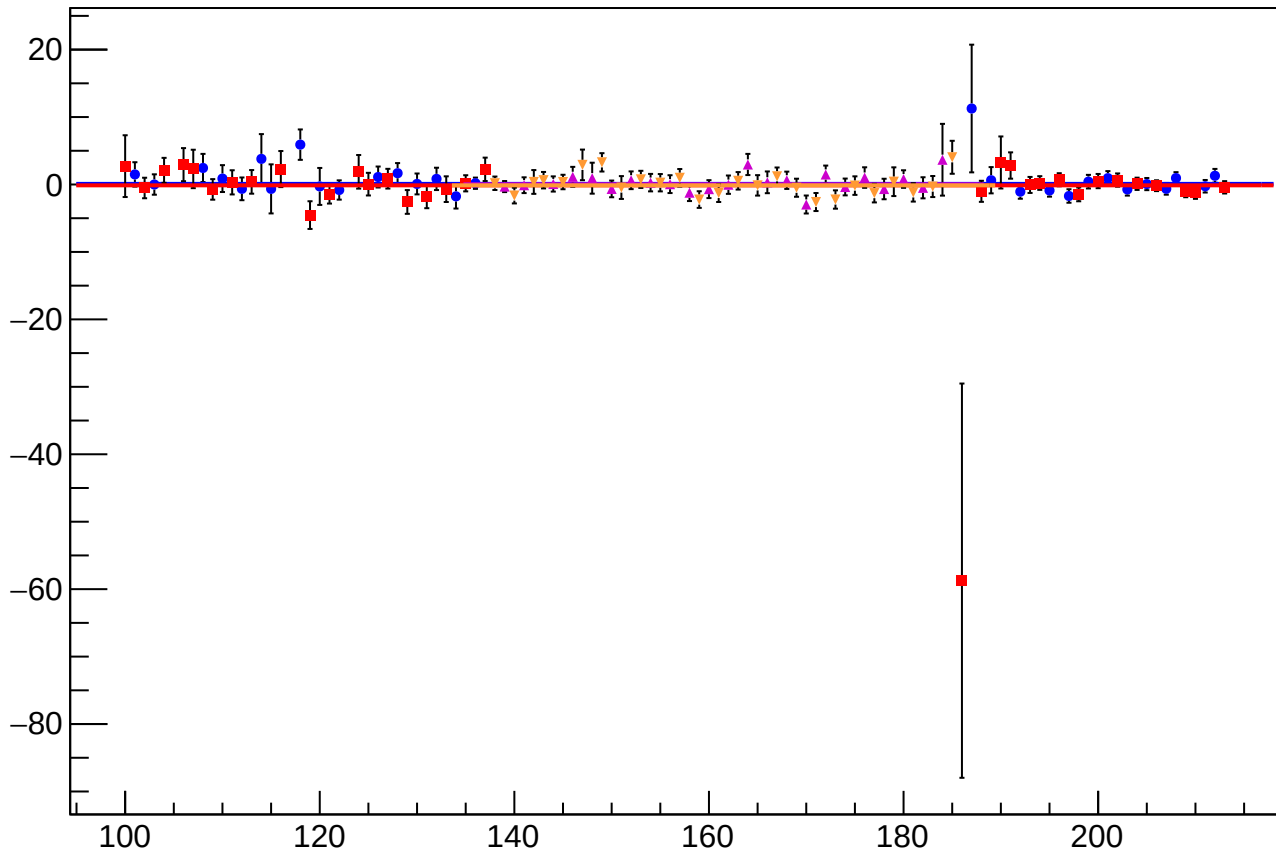
Left In: 6405.229+/-1.069 χ^2/NDF : 525079.4/22

+ sign 6275.258+/-0.747 χ^2/NDF : 2233685.6/53

All: 6260.326+/-0.526 χ^2/NDF : 5217033.0/11

- sign 6245.591+/-0.742 χ^2/NDF : 2982553.6/56

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.089 ± 0.233 χ^2/NDF : 25.0/28

Left Out: -0.122 ± 0.273 χ^2/NDF : 27.0/24

Right Out: -0.125 ± 0.232 χ^2/NDF : 30.0/33

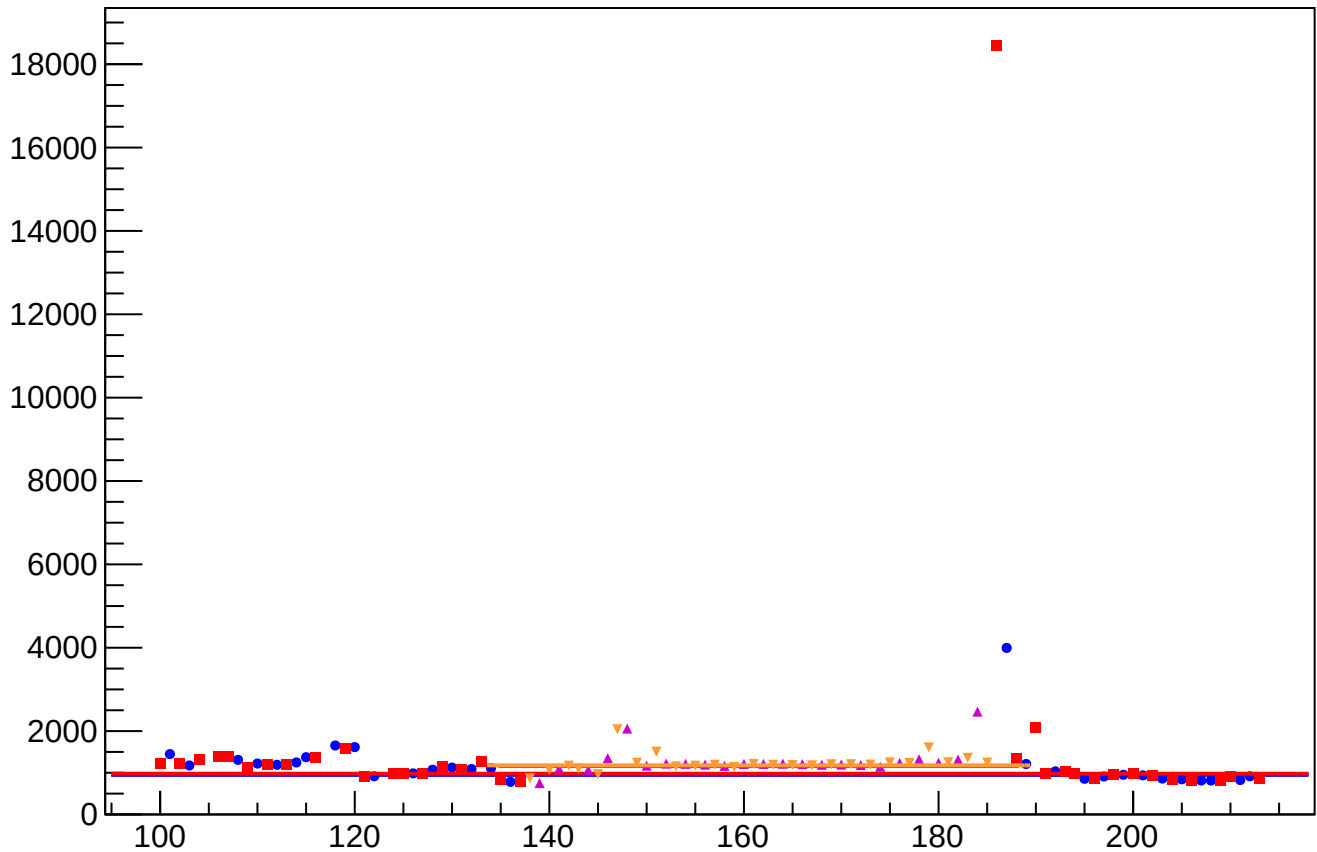
Left In: 0.029 ± 0.279 χ^2/NDF : 14.4/22

+ sign -0.000 ± 0.178 χ^2/NDF : 52.3/53

All: -0.031 ± 0.126 χ^2/NDF : 97.0/110

- sign -0.062 ± 0.178 χ^2/NDF : 44.7/56

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 950.222+/-0.165 χ^2/NDF : 1299145.0/28

Left Out: 1177.742+/-0.193 χ^2/NDF : 800899.0/24

Right Out: 976.818+/-0.164 χ^2/NDF : 1921443.3/33

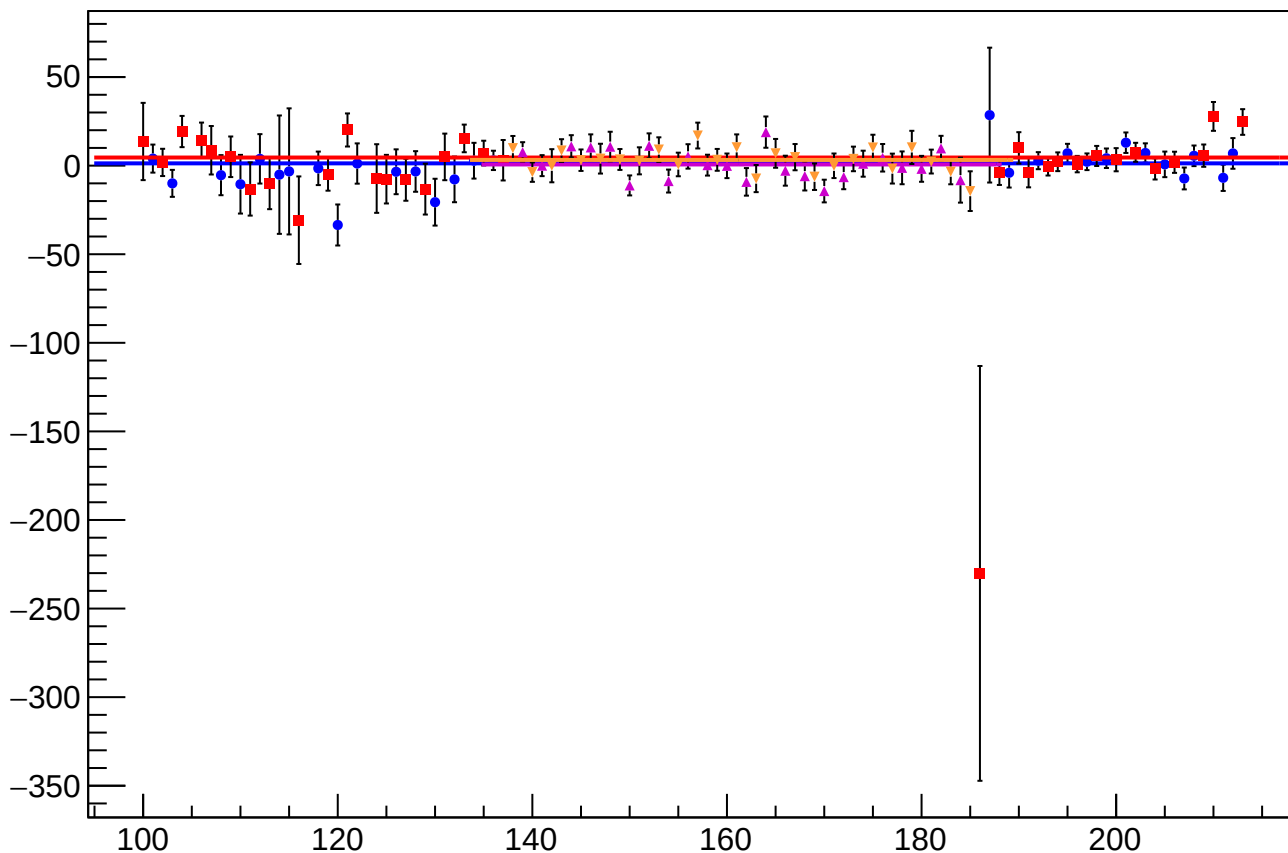
Left In: 1163.827+/-0.197 χ^2/NDF : 1052206.0/22

+ sign 1046.160+/-0.126 χ^2/NDF : 2901218.2/53

All: 1049.741+/-0.089 χ^2/NDF : 6408950.2/11

- sign 1053.349+/-0.126 χ^2/NDF : 3506098.6/56

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.288 ± 1.430 χ^2/NDF : 27.8/28

Left Out: 3.234 ± 1.430 χ^2/NDF : 17.9/24

Right Out: 4.578 ± 1.368 χ^2/NDF : 44.5/33

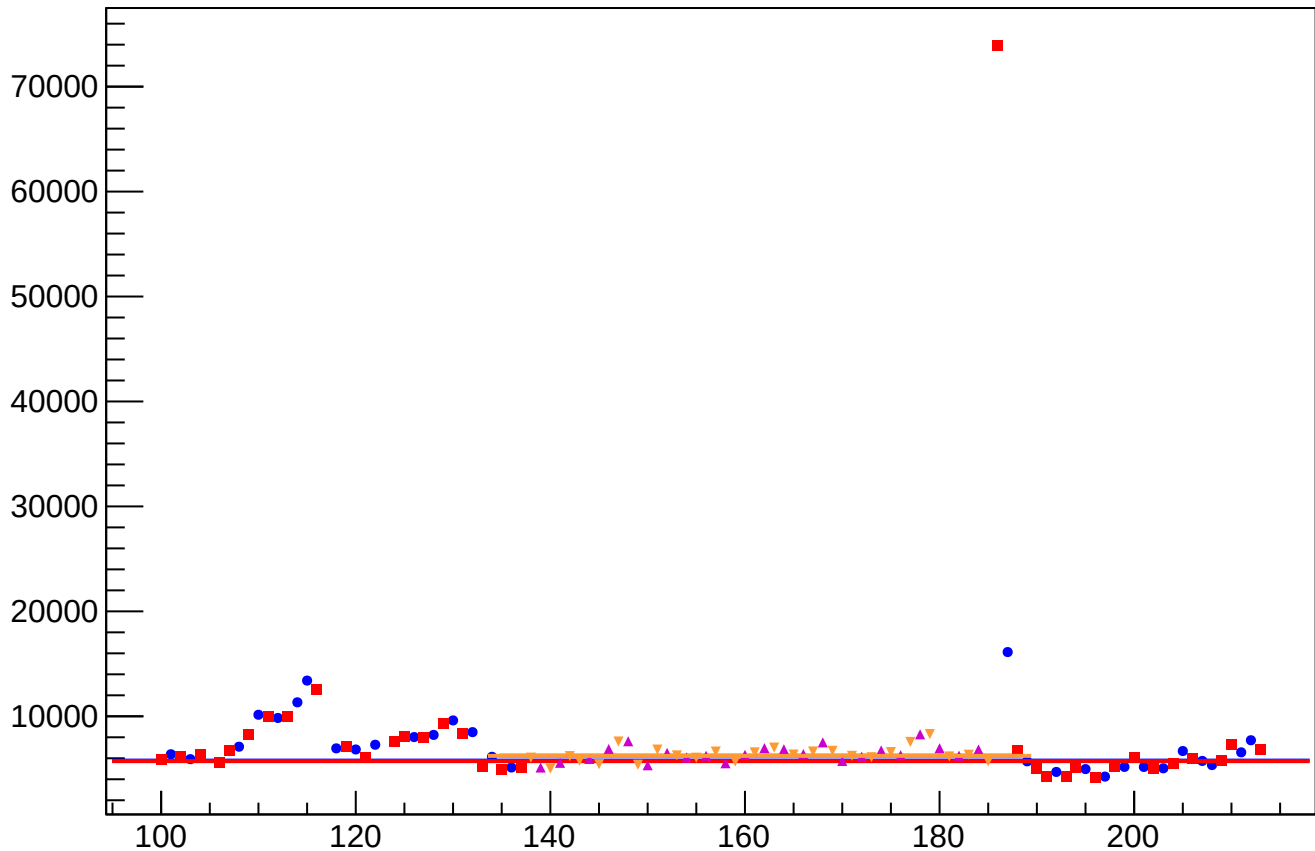
Left In: 0.667 ± 1.474 χ^2/NDF : 32.4/22

+ sign 2.261 ± 1.011 χ^2/NDF : 46.6/53

All: 2.517 ± 0.712 χ^2/NDF : 127.4/110

- sign 2.767 ± 1.003 χ^2/NDF : 80.6/56

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5776.879+/-1.011 χ^2/NDF : 1772672.3/28

Left Out: 6228.654+/-1.011 χ^2/NDF : 470851.7/24

Right Out: 5726.504+/-0.967 χ^2/NDF : 2476937.7/33

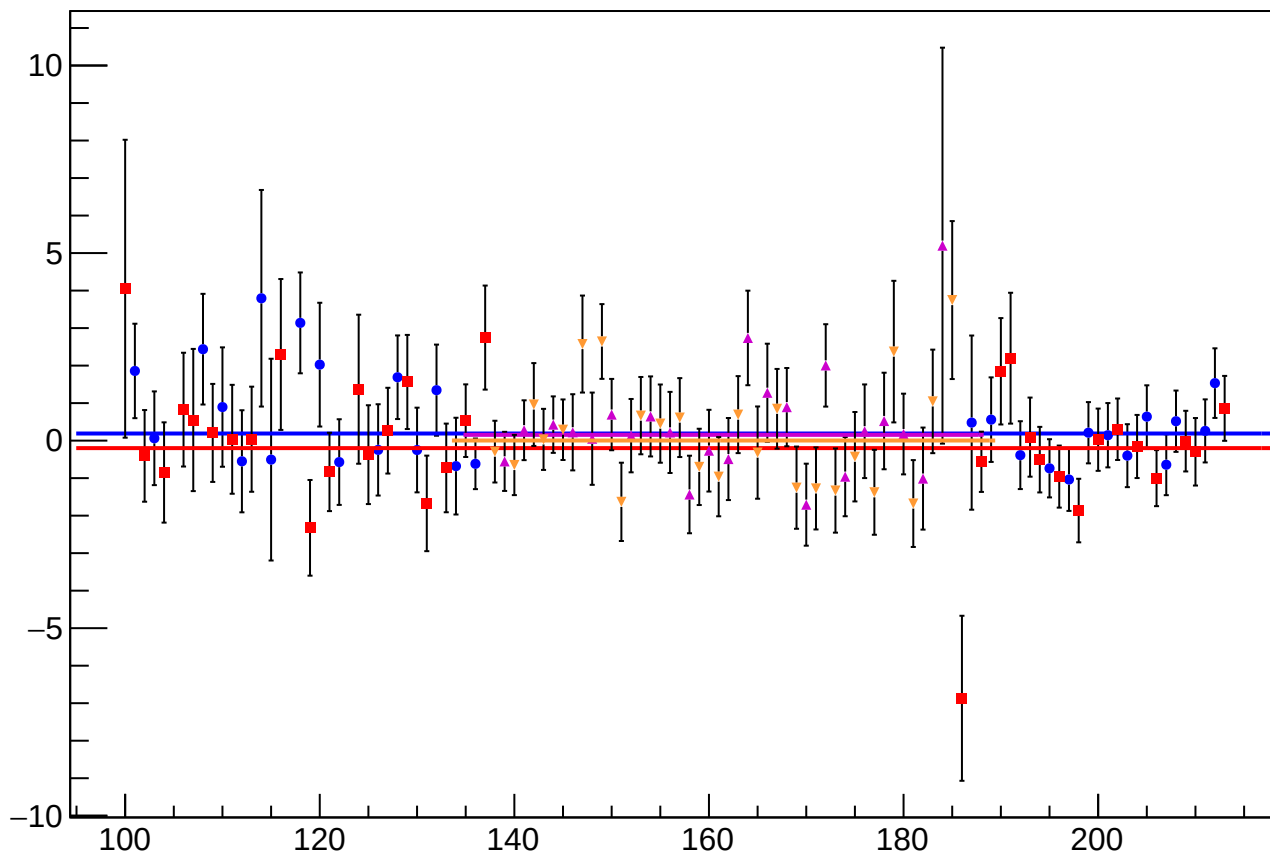
Left In: 6246.800+/-1.042 χ^2/NDF : 484982.9/22

+ sign 6002.857+/-0.715 χ^2/NDF : 2343350.9/53

All: 5984.969+/-0.503 χ^2/NDF : 5440399.4/11

- sign 5967.375+/-0.709 χ^2/NDF : 3095806.6/56

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.190 ± 0.193 χ^2/NDF : 25.8/28

Left Out: 0.003 ± 0.212 χ^2/NDF : 31.6/24

Right Out: -0.200 ± 0.188 χ^2/NDF : 37.7/33

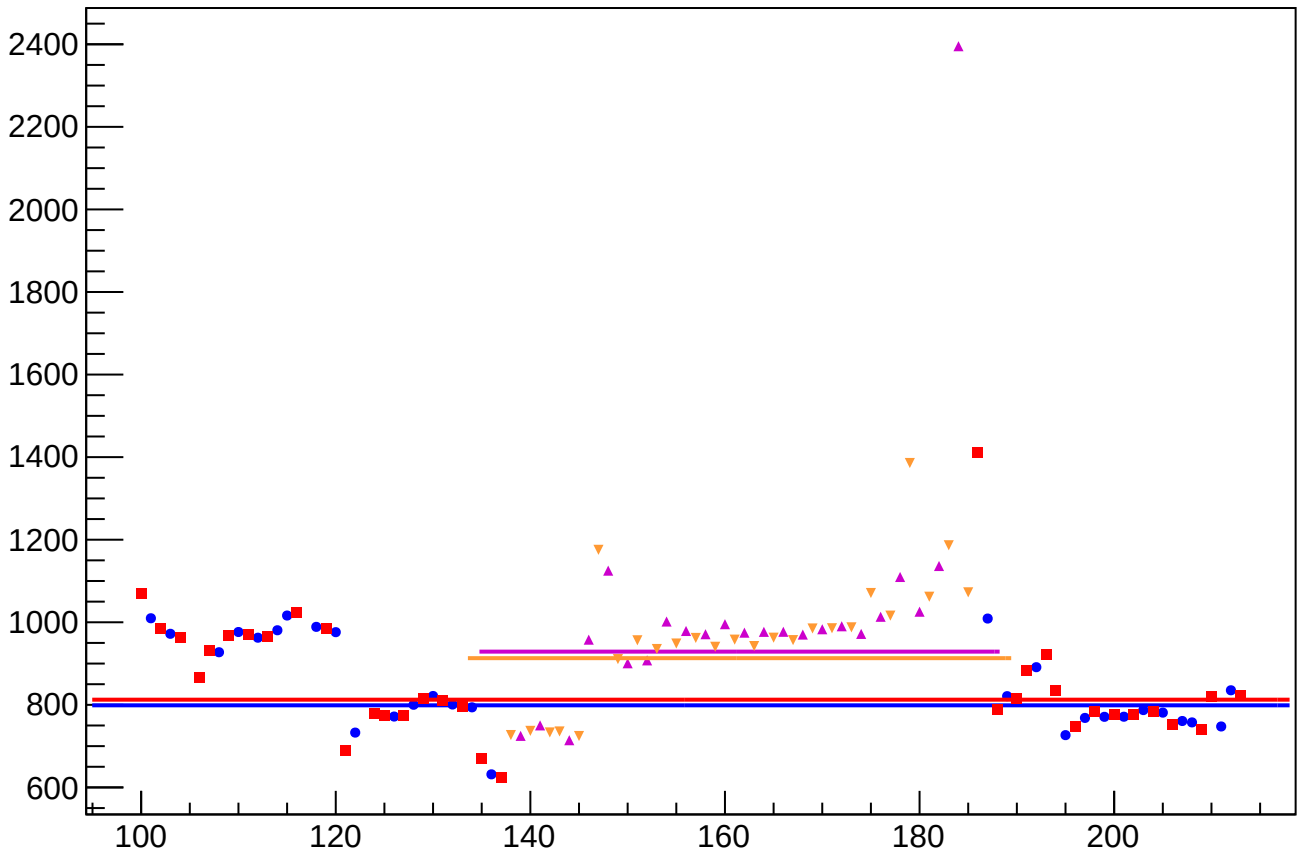
Left In: 0.154 ± 0.221 χ^2/NDF : 18.4/22

+ sign 0.105 ± 0.143 χ^2/NDF : 57.9/53

All: 0.027 ± 0.101 χ^2/NDF : 116.1/110

- sign -0.052 ± 0.143 χ^2/NDF : 57.6/56

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 798.846 $\pm$ 0.136 χ^2 /NDF: 462700.2/28

Left Out: 913.070 $\pm$ 0.150 χ^2 /NDF: 889200.0/24

Right Out: 812.520 $\pm$ 0.133 χ^2 /NDF: 562372.4/33

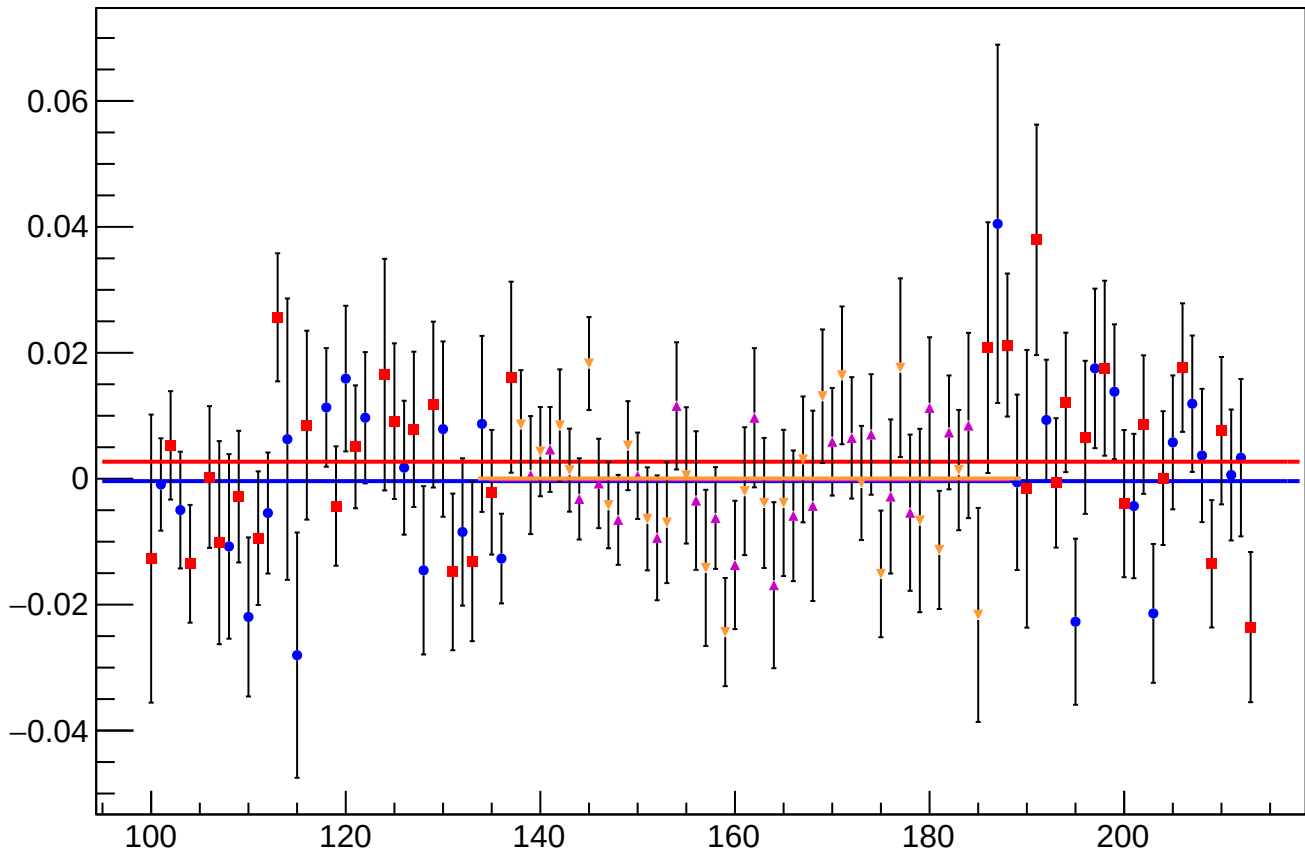
Left In: 928.913 $\pm$ 0.156 χ^2 /NDF: 769065.0/22

+ sign 850.532 $\pm$ 0.101 χ^2 /NDF: 1670012.8/53

All: 855.880 $\pm$ 0.071 χ^2 /NDF: 3329312.8/110

- sign 861.267 $\pm$ 0.101 χ^2 /NDF: 1653649.5/56

diff_dispE_bpm12X_mean vs Slug



Right In: -0.000 ± 0.002 χ^2/NDF : 31.2/28

Left Out: 0.000 ± 0.002 χ^2/NDF : 31.1/24

Right Out: 0.003 ± 0.002 χ^2/NDF : 37.4/33

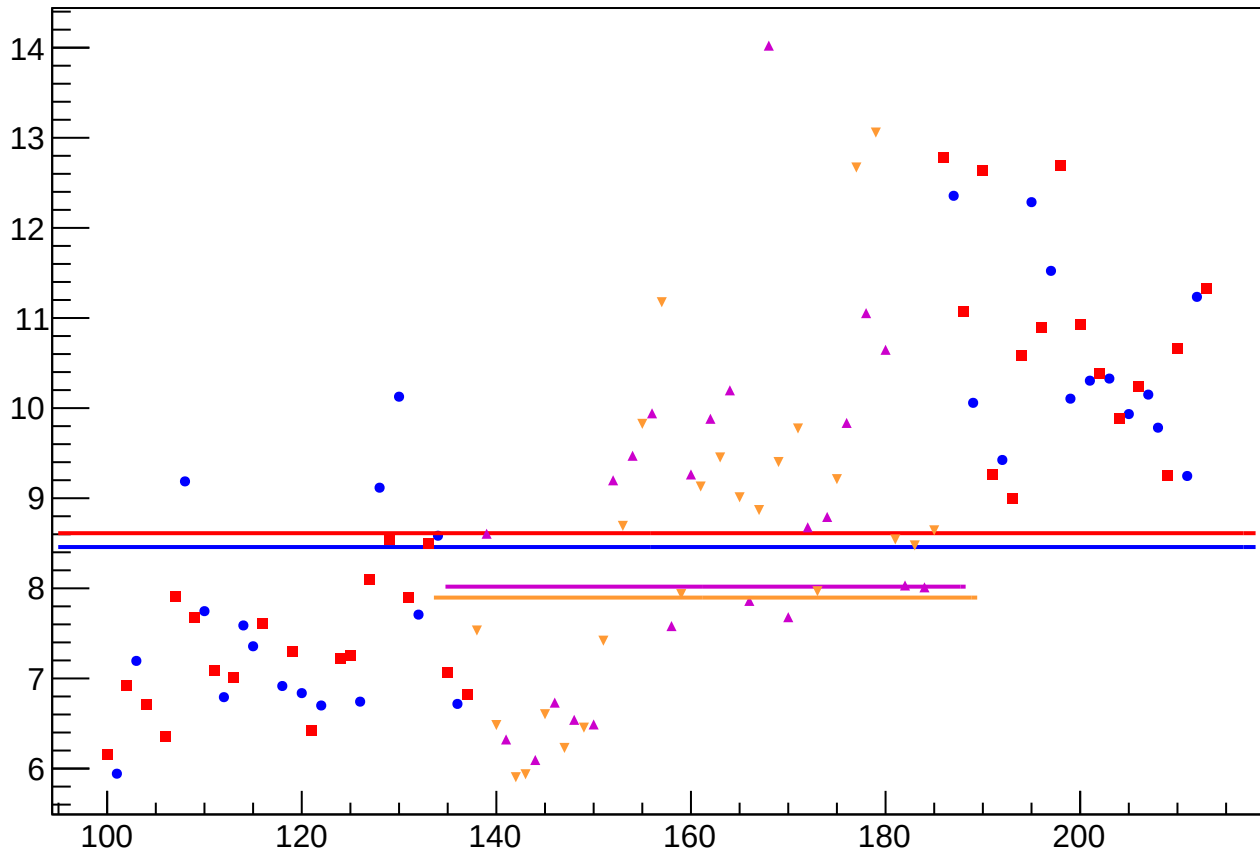
Left In: -0.000 ± 0.002 χ^2/NDF : 12.8/22

+ sign -0.000 ± 0.001 χ^2/NDF : 62.4/53

All: 0.001 ± 0.001 χ^2/NDF : 114.1/110

- sign 0.001 ± 0.001 χ^2/NDF : 51.3/56

diff_dispE_bpm12X_rms vs Slug



Right In: 8.458 $\pm$ 0.001 χ^2 /NDF: 1471465.7/28

Left Out: 7.897 $\pm$ 0.001 χ^2 /NDF:1590867.7/24

Right Out: 8.612 $\pm$ 0.001 χ^2 /NDF: 1585213.2/33

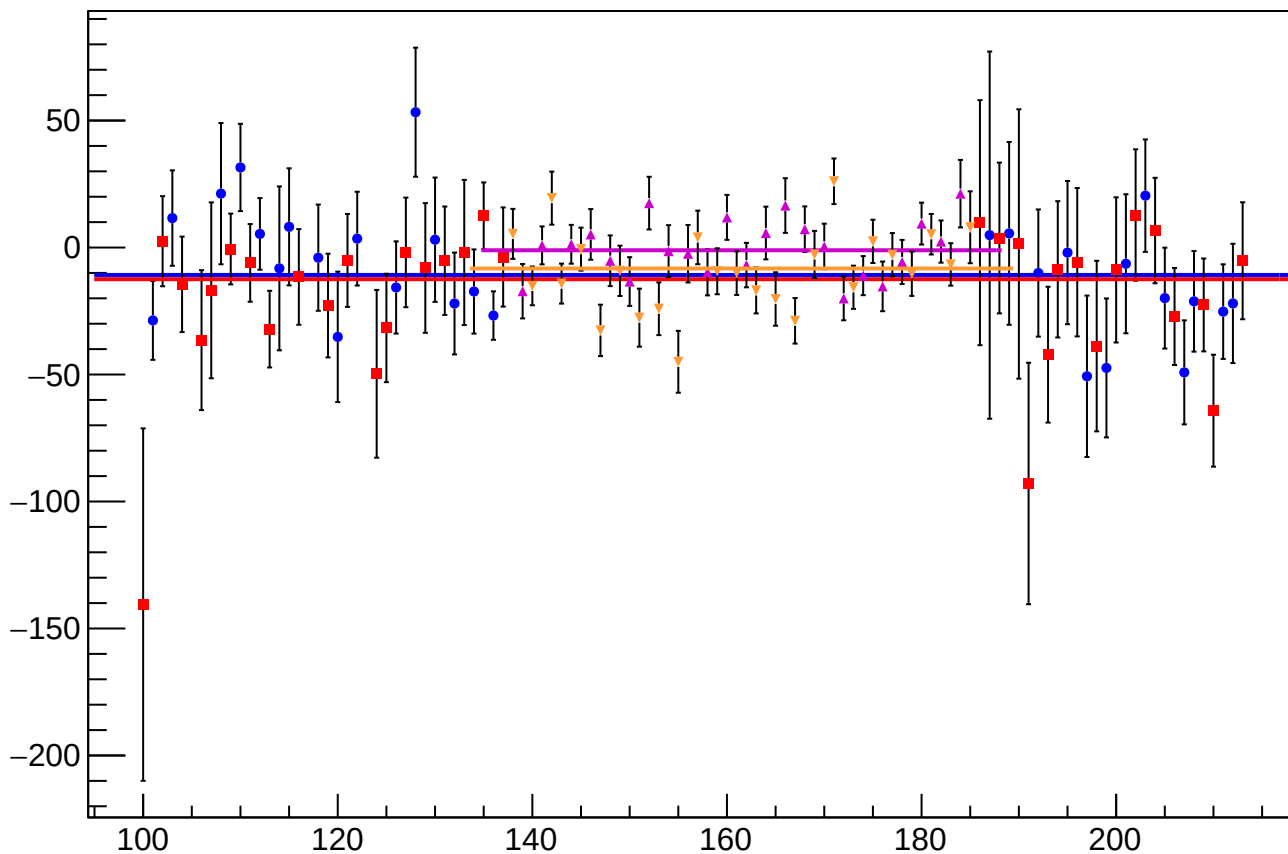
Left In: 8.019 $\pm$ 0.001 χ^2 /NDF:1455714.6/22

+ sign 8.145 $\pm$ 0.001 χ^2 /NDF: 3143946.6/53

All: 8.221 $\pm$ 0.001 χ^2 /NDF: 6288020.5/110

- sign 8.299 $\pm$ 0.001 χ^2 /NDF: 3131595.0/56

diff_targ_positionX_mean vs Slug



Right In: -10.797 ± 3.744 χ^2/NDF : 34.3/28

Left Out: -8.256 ± 1.849 χ^2/NDF : 62.2/24

Right Out: -12.465 ± 3.755 χ^2/NDF : 28.0/33

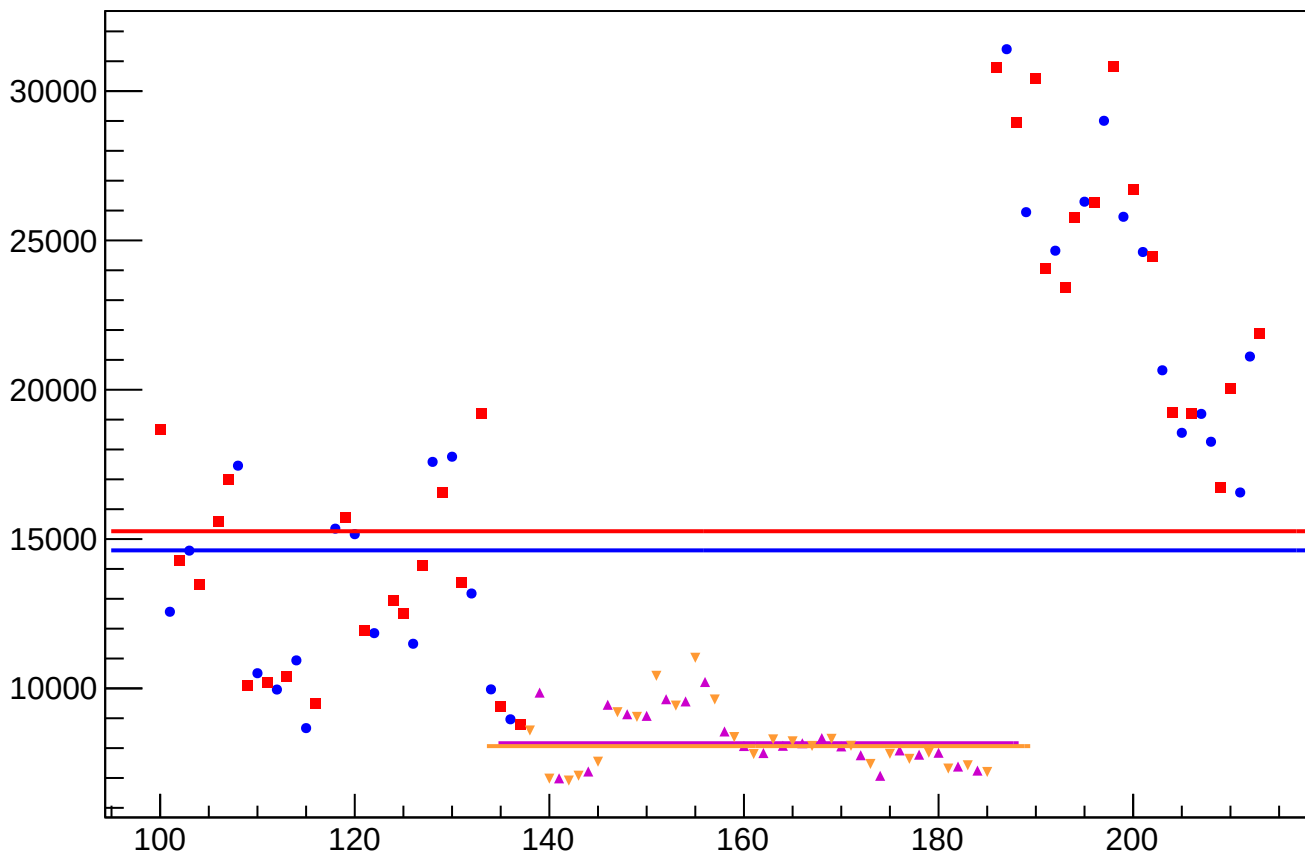
Left In: -1.072 ± 1.921 χ^2/NDF : 28.8/22

+ sign -8.755 ± 1.658 χ^2/NDF : 96.9/53

All: -6.177 ± 1.190 χ^2/NDF : 166.0/110

- sign -3.435 ± 1.710 χ^2/NDF : 64.2/56

diff_targ_positionX_rms vs Slug



Right In: 14621.487 $\pm$ 2.648 χ^2 /NDF: 4136000.4/28

Left Out: 8066.710 $\pm$ 1.308 χ^2 /NDF:498146.1/24

Right Out: 15262.376 $\pm$ 2.655 χ^2 /NDF: 4787643.9/33

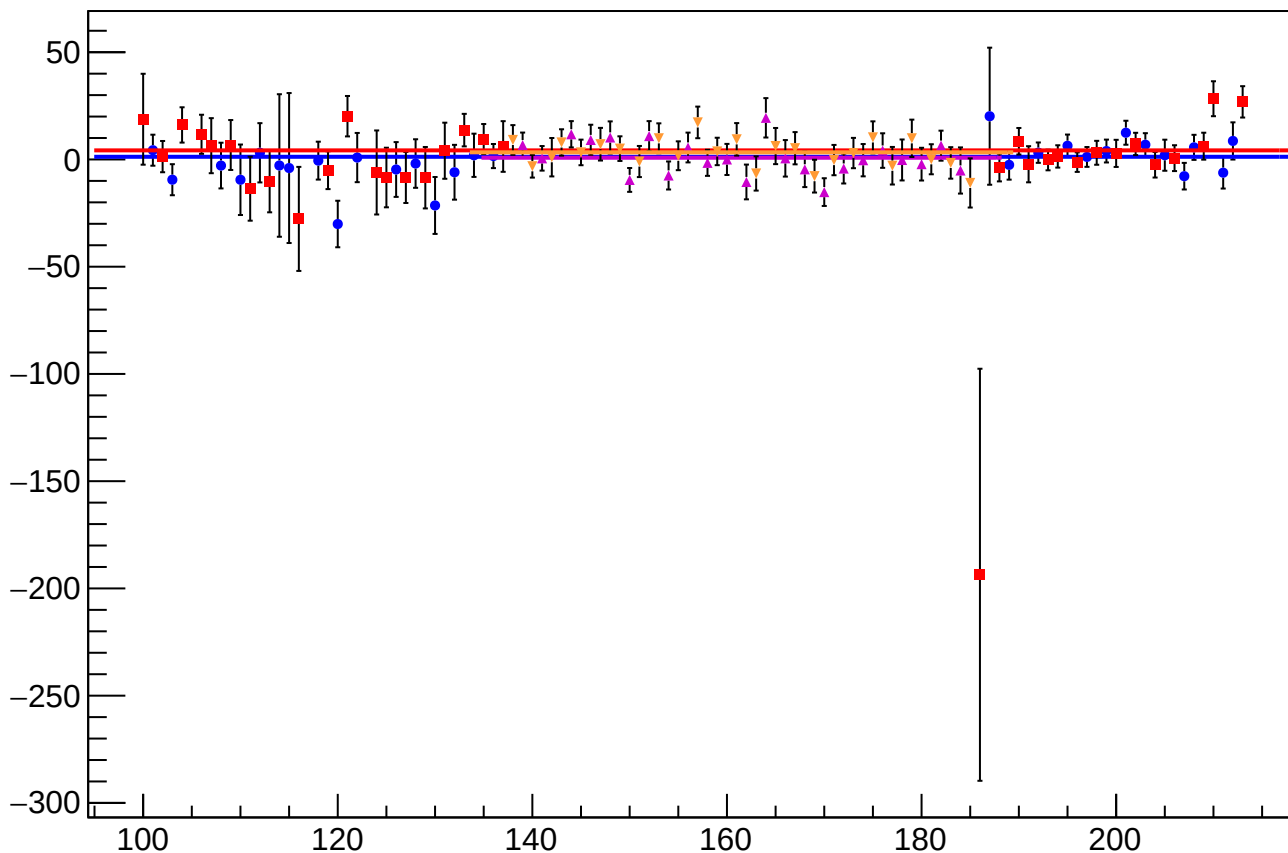
Left In: 8163.472 $\pm$ 1.358 χ^2 /NDF:432350.3/22

+ sign 9352.181 $\pm$ 1.173 χ^2 /NDF: 9561079.2/53

All: 9489.635 $\pm$ 0.842 χ^2 /NDF: 20475161.9/100

- sign 9635.824 $\pm$ 1.209 χ^2 /NDF: 10885723.7/56

diff_targ_positionY_mean vs Slug



Right In: 1.245 ± 1.398 χ^2/NDF : 26.5/28

Left Out: 3.330 ± 1.431 χ^2/NDF : 16.9/24

Right Out: 4.236 ± 1.326 χ^2/NDF : 46.7/33

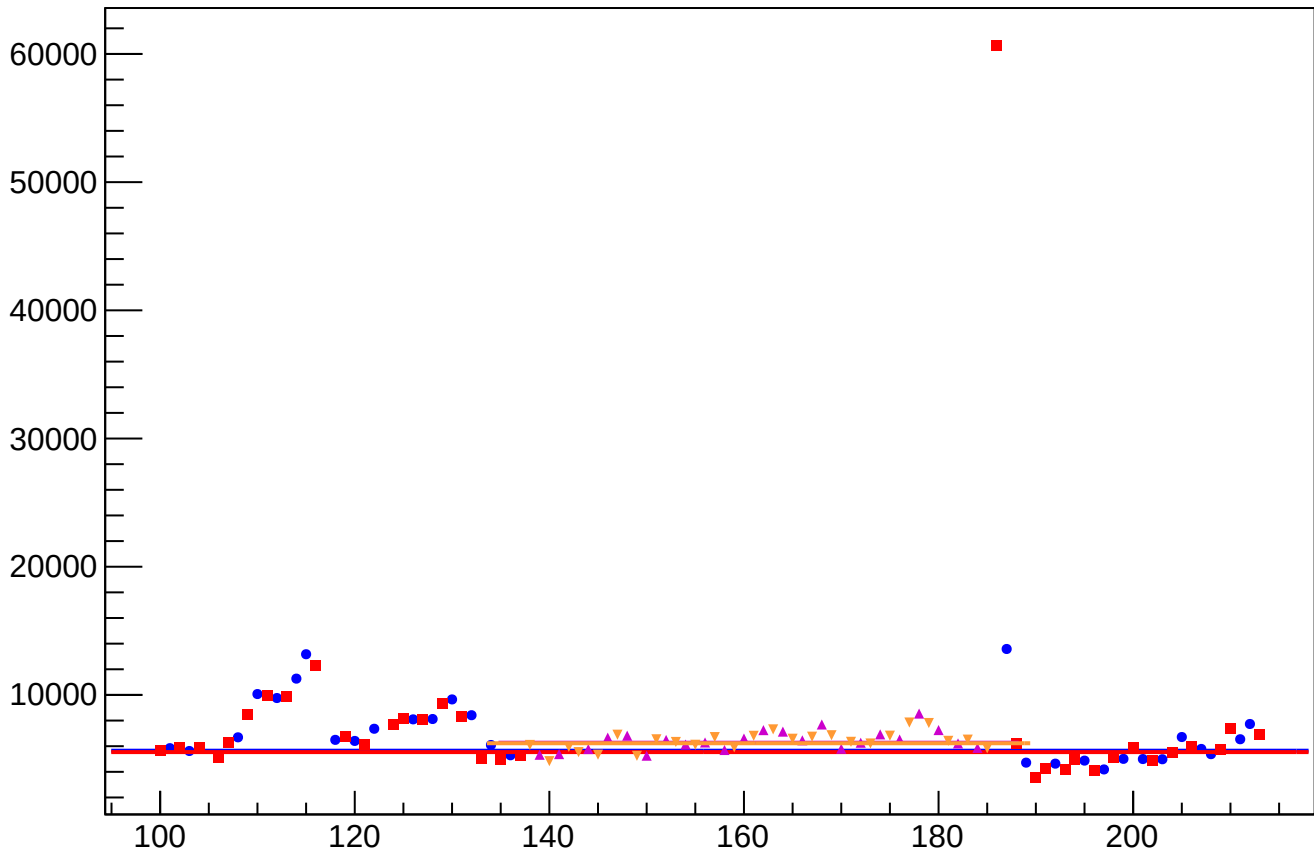
Left In: 0.797 ± 1.479 χ^2/NDF : 29.4/22

+ sign 2.264 ± 1.000 χ^2/NDF : 44.5/53

All: 2.486 ± 0.702 χ^2/NDF : 123.8/110

- sign 2.703 ± 0.987 χ^2/NDF : 79.1/56

diff_targ_positionY_rms vs Slug



Right In: 5648.176+/-0.989 χ^2/NDF : 1794821.5/28

Left Out: 6230.934+/-1.012 χ^2/NDF : 532579.4/24

Right Out: 5539.920+/-0.937 χ^2/NDF : 2681890.0/33

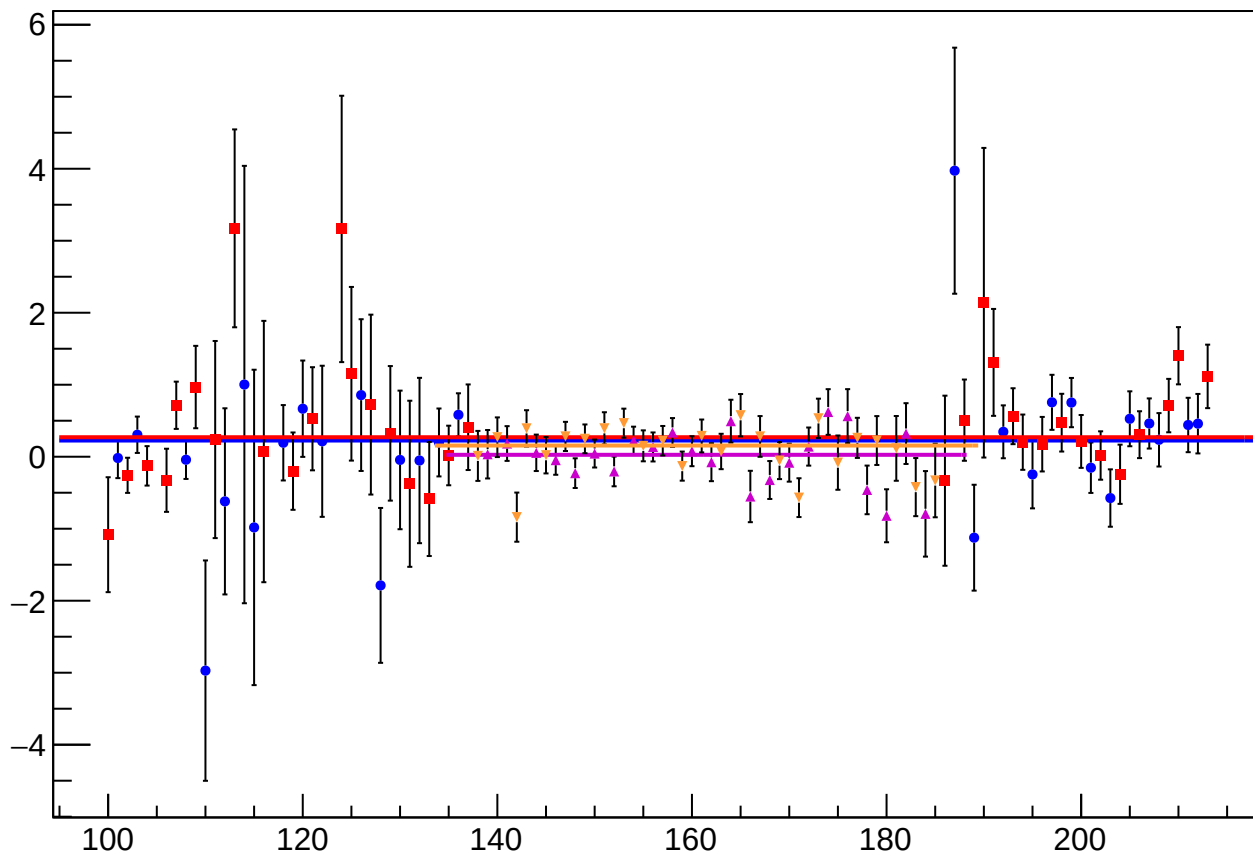
Left In: 6270.834+/-1.046 χ^2/NDF : 504723.6/22

+ sign 5932.928+/-0.707 χ^2/NDF : 2497124.4/53

All: 5898.854+/-0.497 χ^2/NDF : 5959230.8/11

- sign 5865.653+/-0.698 χ^2/NDF : 3457521.6/56

diff_targ_thetaX_mean vs Slug



Right In: 0.225 ± 0.082 χ^2/NDF : 33.4/28

Left Out: 0.156 ± 0.052 χ^2/NDF : 32.3/24

Right Out: 0.271 ± 0.081 χ^2/NDF : 44.7/33

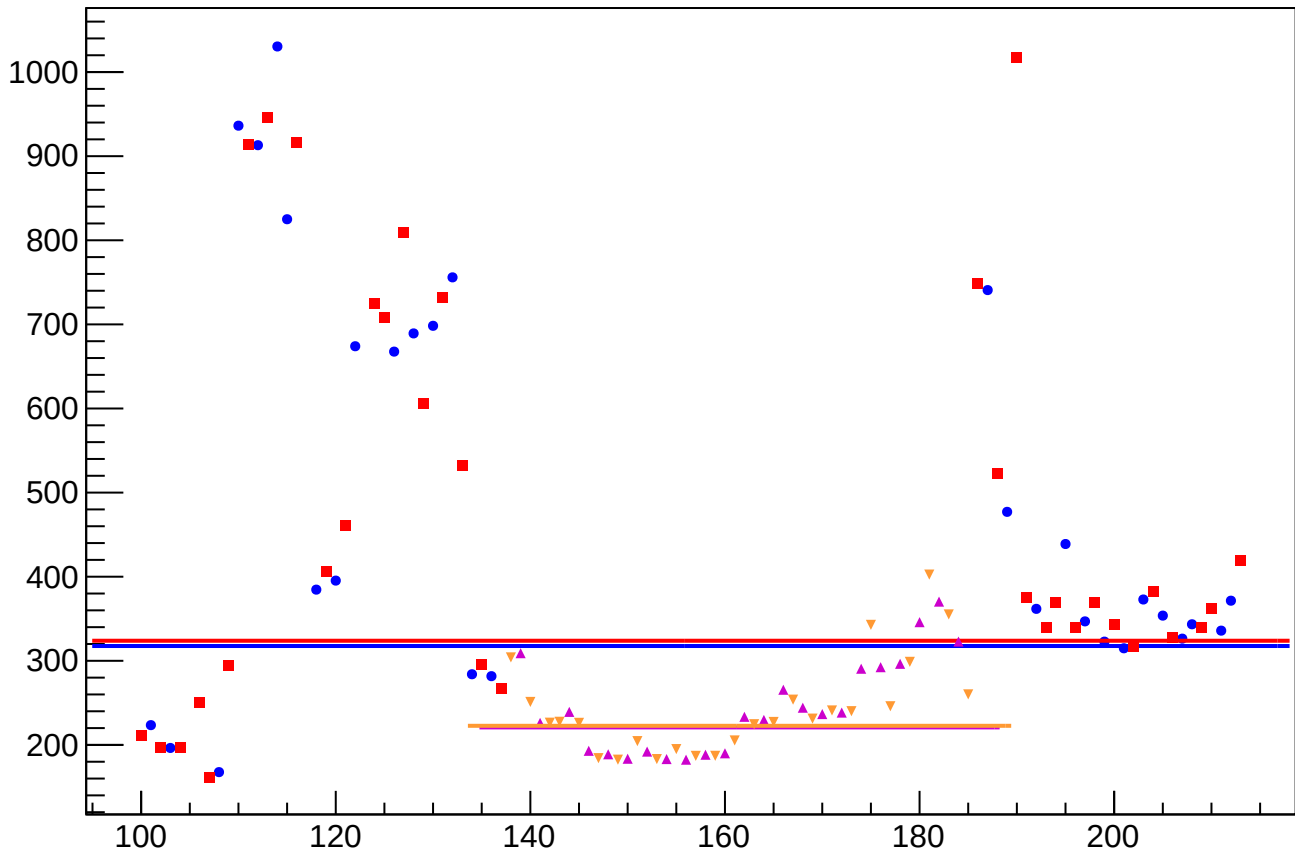
Left In: 0.026 ± 0.053 χ^2/NDF : 29.8/22

+ sign 0.175 ± 0.044 χ^2/NDF : 66.2/53

All: 0.138 ± 0.031 χ^2/NDF : 148.5/110

- sign 0.100 ± 0.044 χ^2/NDF : 80.9/56

diff_targ_thetaX_rms vs Slug



Right In: 317.587 ± 0.058 $\chi^2/\text{NDF}: 4177395.8/28$

Left Out: 222.727 ± 0.037 $\chi^2/\text{NDF}: 1451363.0/24$

Right Out: 323.867 ± 0.057 $\chi^2/\text{NDF}: 4825810.9/33$

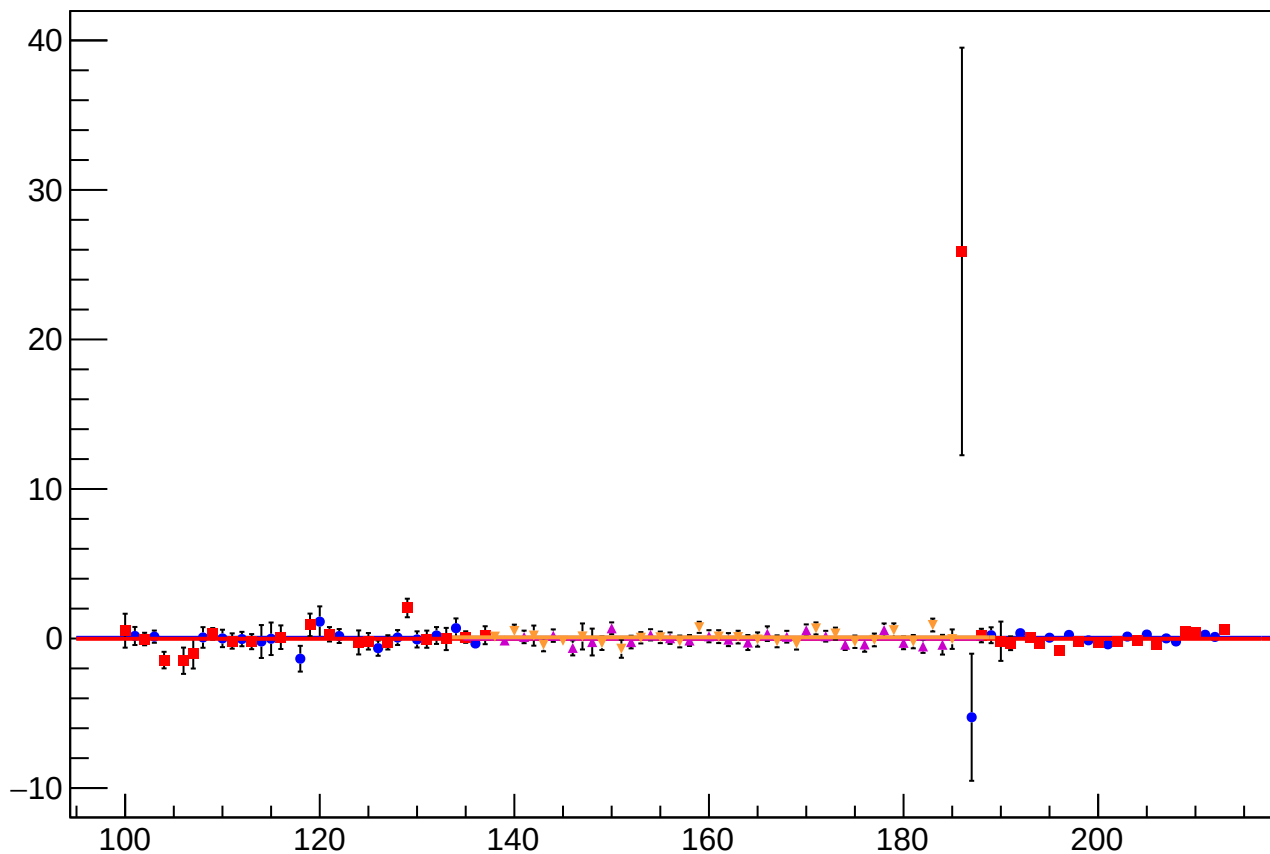
Left In: 220.802 ± 0.037 $\chi^2/\text{NDF}: 1471497.9/22$

+ sign 249.920 ± 0.031 $\chi^2/\text{NDF}: 7543267.8/53$

All: 250.804 ± 0.022 $\chi^2/\text{NDF}: 16112824.7/11$

- sign 251.708 ± 0.031 $\chi^2/\text{NDF}: 8567911.2/56$

diff_targ_thetaY_mean vs Slug



Right In: 0.048 $\pm$ 0.065 χ^2 /NDF: 17.8/28

Left Out: 0.079 $\pm$ 0.084 χ^2 /NDF: 19.0/24

Right Out: -0.018 $\pm$ 0.064 χ^2 /NDF: 60.0/33

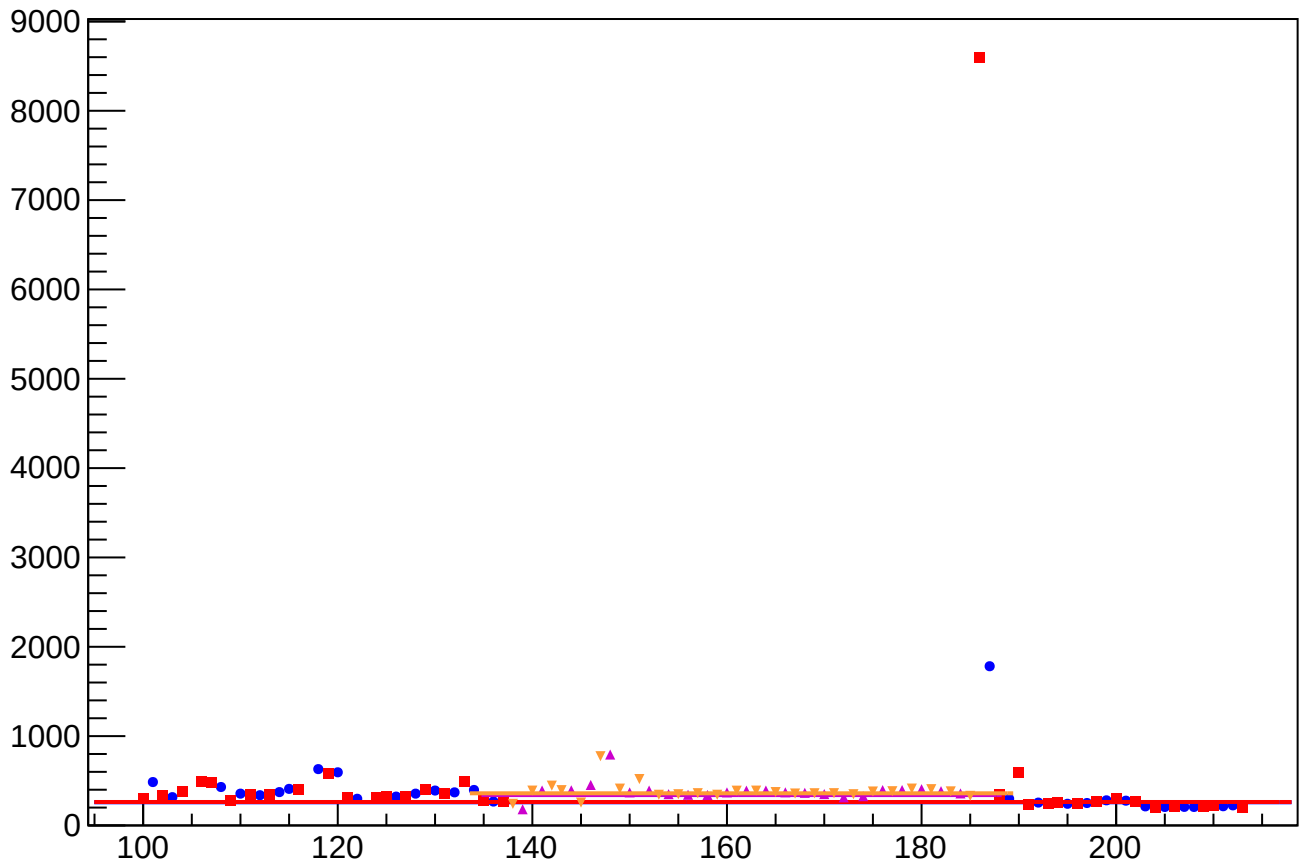
Left In: -0.009 $\pm$ 0.083 χ^2 /NDF: 15.2/22

+ sign 0.060 $\pm$ 0.051 χ^2 /NDF: 36.8/53

All: 0.022 $\pm$ 0.036 χ^2 /NDF: 113.1/110

- sign -0.015 $\pm$ 0.051 χ^2 /NDF: 75.3/56

diff_targ_thetaY_rms vs Slug



Right In: 259.130 ± 0.046 χ^2/NDF : 2419460.3/28

Left Out: 360.021 ± 0.060 χ^2/NDF : 1339748.9/24

Right Out: 262.692 ± 0.045 χ^2/NDF : 2890194.6/33

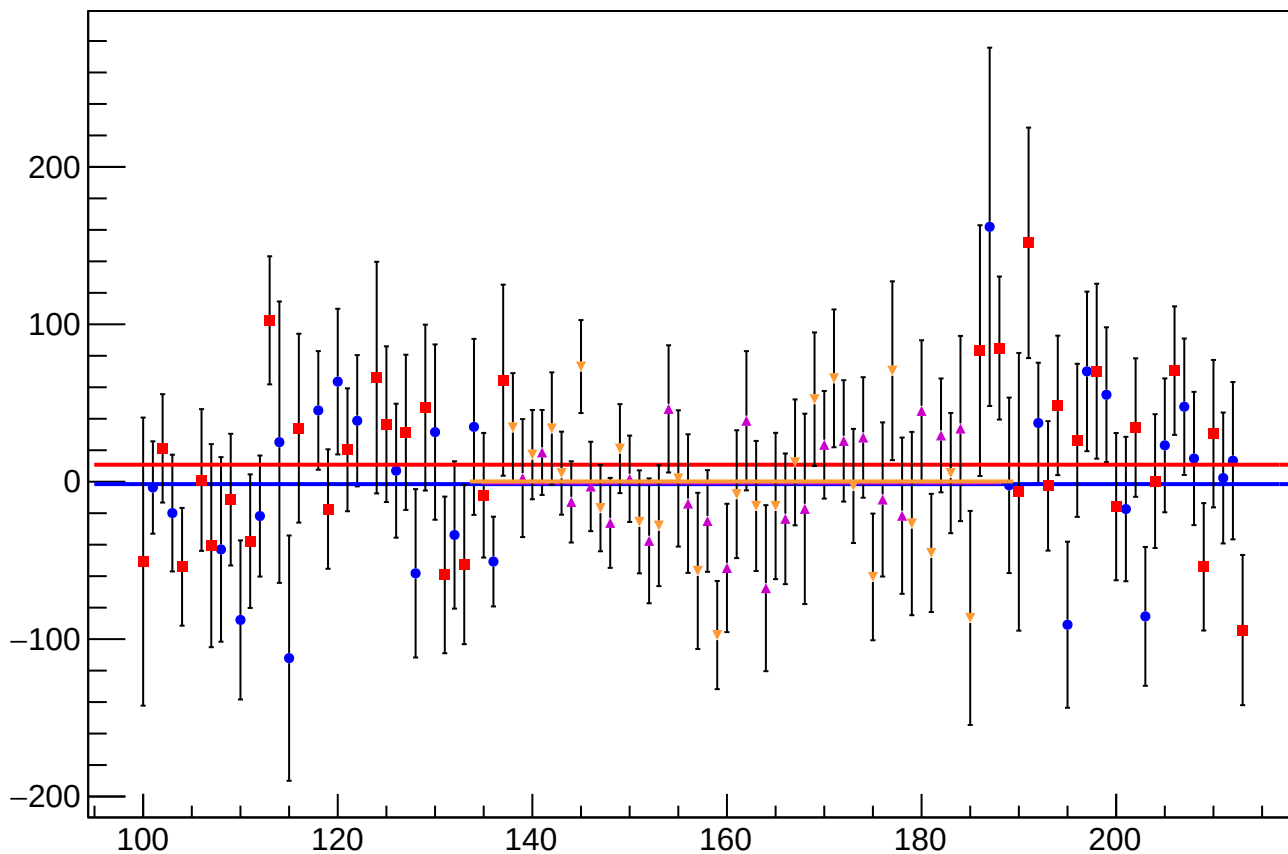
Left In: 340.020 ± 0.059 χ^2/NDF : 2225094.5/22

+ sign 296.760 ± 0.036 χ^2/NDF : 5555074.6/53

All: 294.099 ± 0.026 χ^2/NDF : 11774245.8/117

- sign 291.531 ± 0.036 χ^2/NDF : 6208673.0/56

diff_bpmE_mean vs Slug



Right In: -1.521 ± 8.304 χ^2/NDF : 31.2/28

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 10.804 ± 8.091 χ^2/NDF : 37.4/33

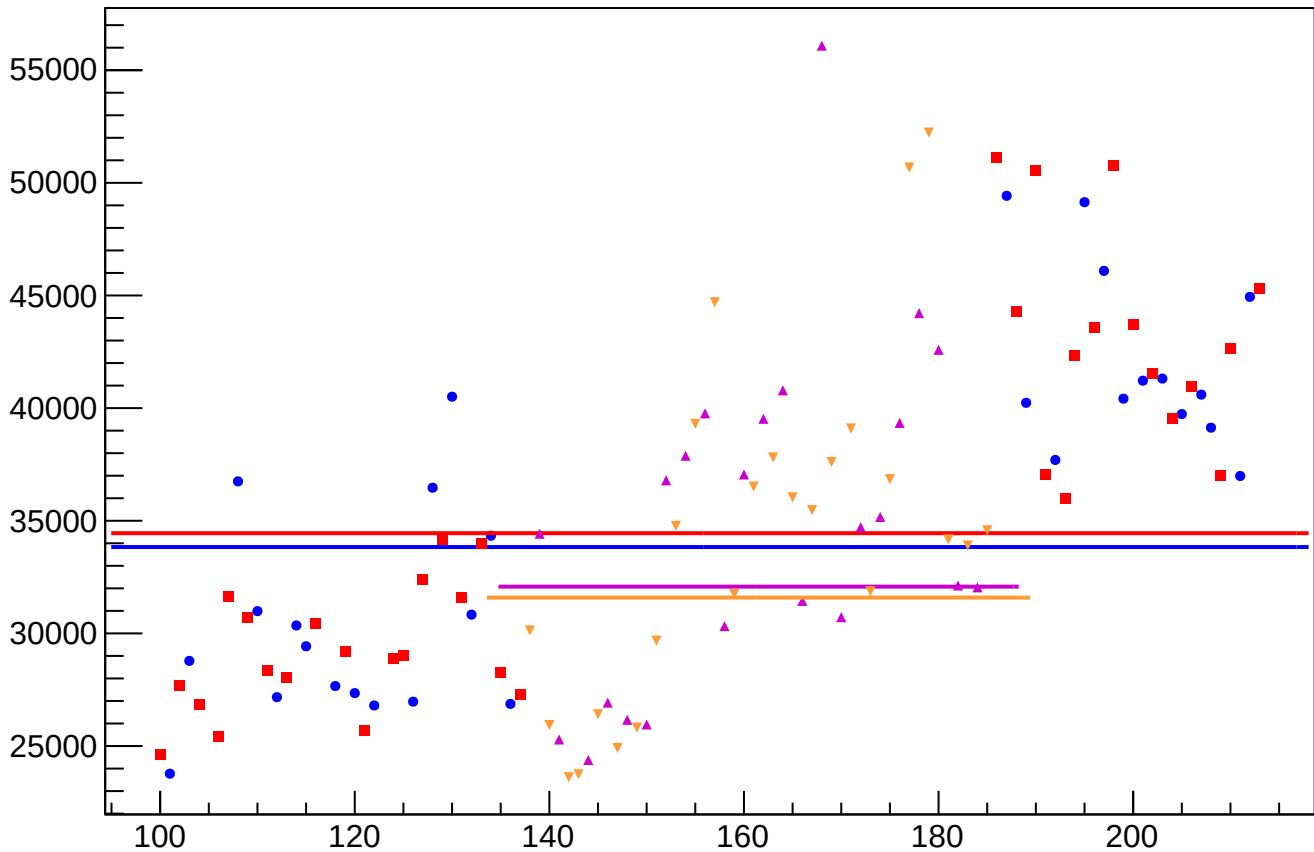
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.577 ± 5.514 χ^2/NDF : 62.4/53

All: 2.088 ± 3.917 χ^2/NDF : 114.1/110

- sign 4.803 ± 5.565 χ^2/NDF : 51.3/56

diff_bpmE_rms vs Slug



Right In: 33833.312+/-5.872 χ^2/NDF : 1471465.7/28

Left Out: 31589.841+/-5.215 χ^2/NDF :1590867.7/24

Right Out: 34448.325+/-5.721 χ^2/NDF : 1585213.2/33

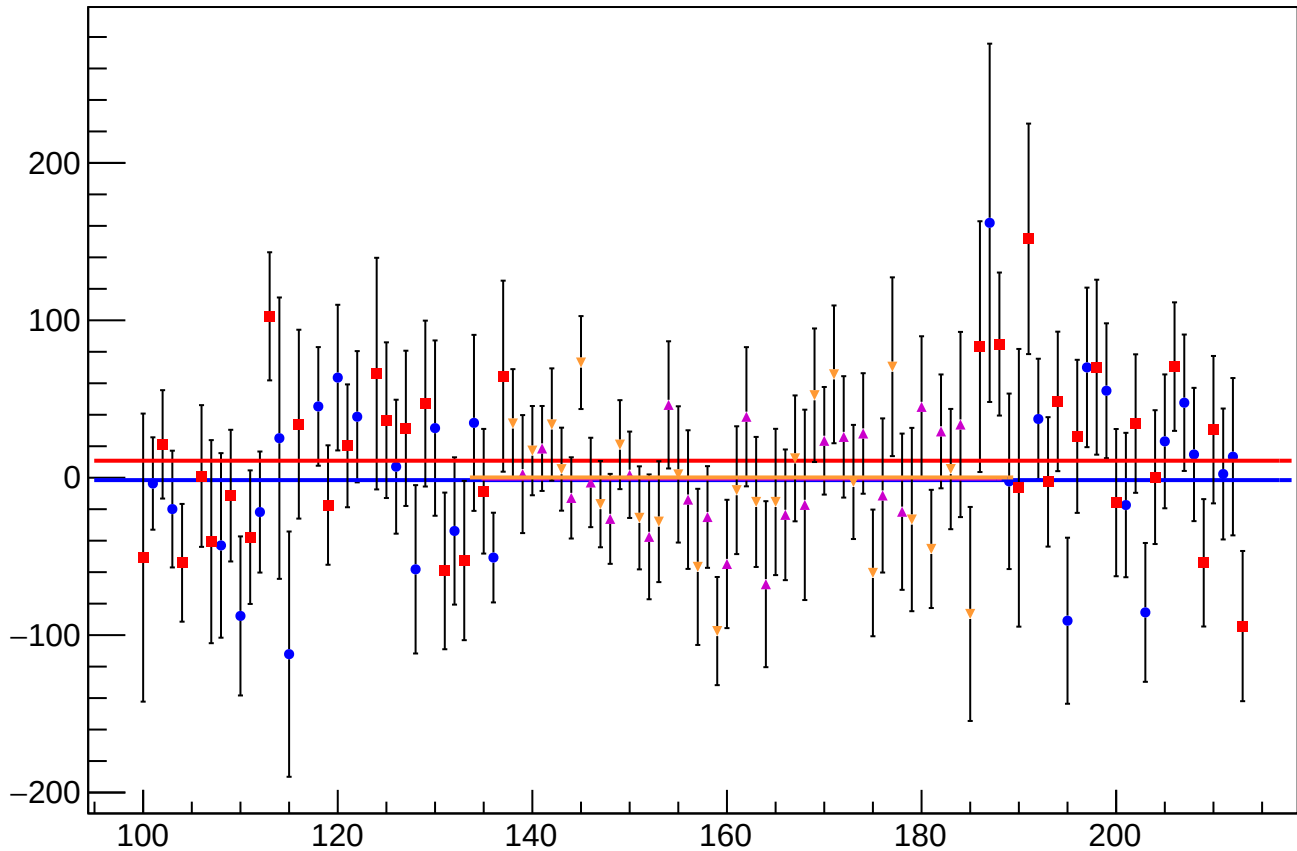
Left In: 32075.078+/-5.421 χ^2/NDF :1455714.6/22

+ sign 32579.098+/-3.899 χ^2/NDF : 3143946.6/53

All: 32885.663+/-2.770 χ^2/NDF : 6288020.5/1

- sign 33197.927+/-3.935 χ^2/NDF : 3131595.0/56

diff_bpmEX_mean vs Slug



Right In: -1.521 ± 8.304 χ^2/NDF : 31.2/28

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 10.804 ± 8.091 χ^2/NDF : 37.4/33

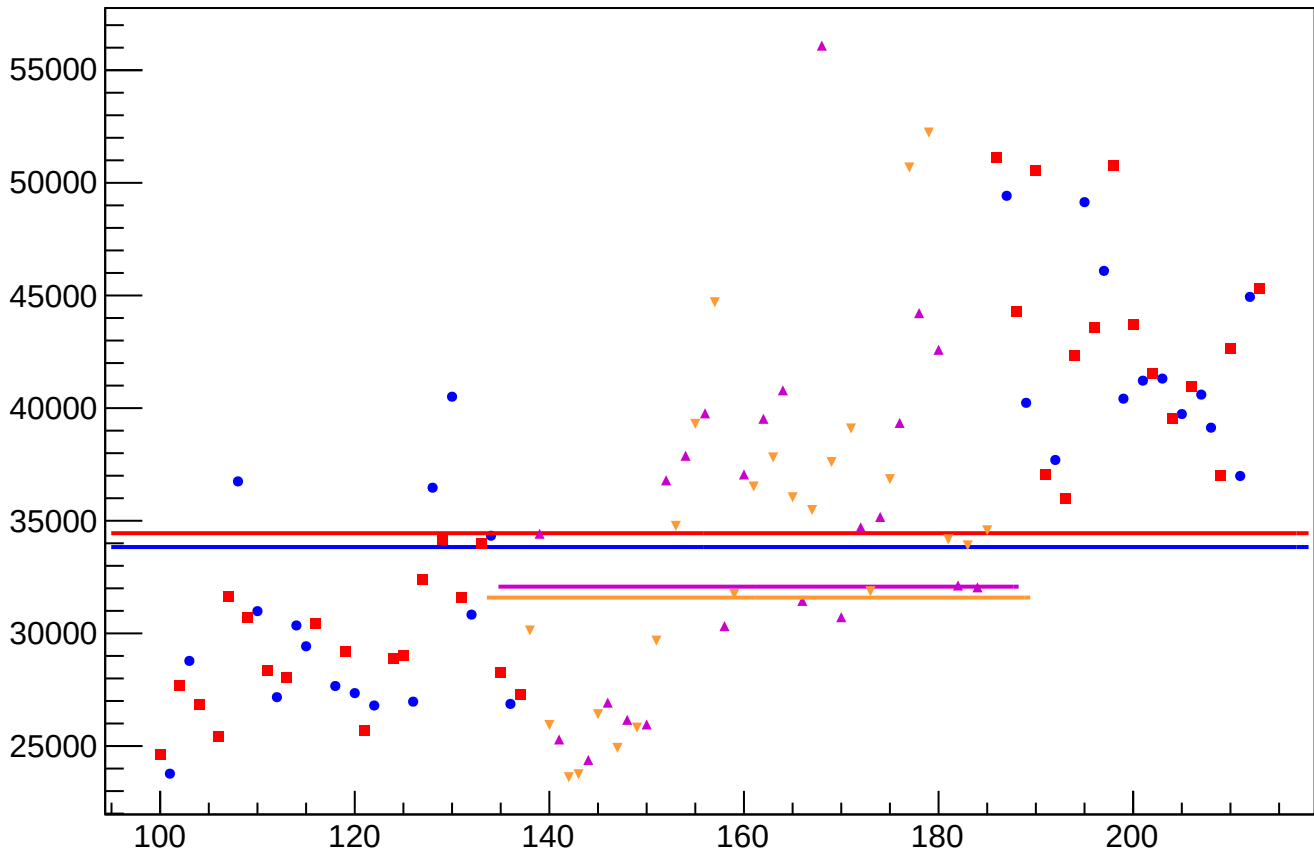
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.577 ± 5.514 χ^2/NDF : 62.4/53

All: 2.088 ± 3.917 χ^2/NDF : 114.1/110

- sign 4.803 ± 5.565 χ^2/NDF : 51.3/56

diff_bpmEX_rms vs Slug



Right In: 33833.312+/-5.872 χ^2/NDF : 1471465.7/28

Left Out: 31589.841+/-5.215 χ^2/NDF :1590867.7/24

Right Out: 34448.325+/-5.721 χ^2/NDF : 1585213.2/33

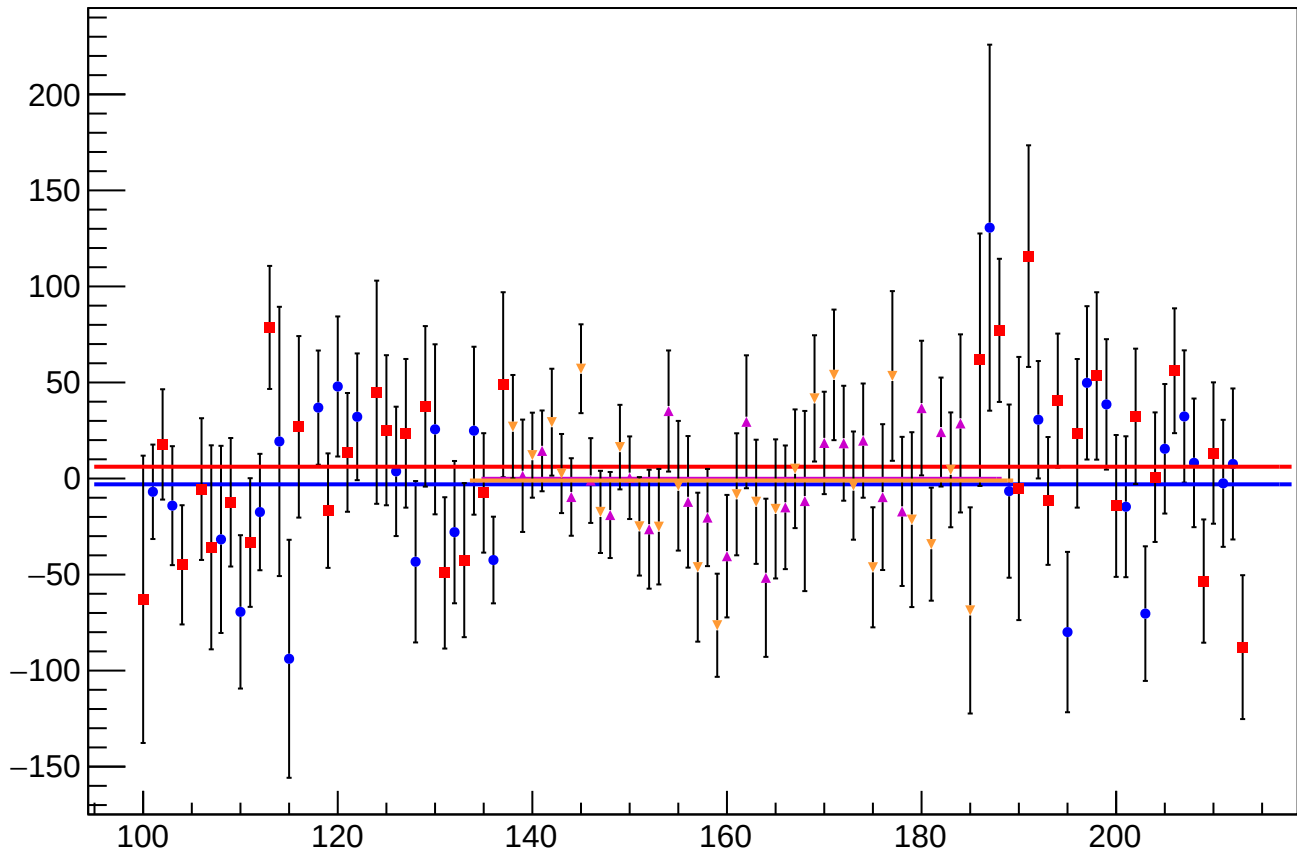
Left In: 32075.078+/-5.421 χ^2/NDF :1455714.6/22

+ sign 32579.098+/-3.899 χ^2/NDF : 3143946.6/53

All: 32885.663+/-2.770 χ^2/NDF : 6288020.5/1

- sign 33197.927+/-3.935 χ^2/NDF : 3131595.0/56

diff_bpmE_11X12X_mean vs Slug



Right In: -3.025 ± 6.629 χ^2/NDF : 31.1/28

Left Out: -1.042 ± 5.755 χ^2/NDF : 32.3/24

Right Out: 6.141 ± 6.456 χ^2/NDF : 41.6/33

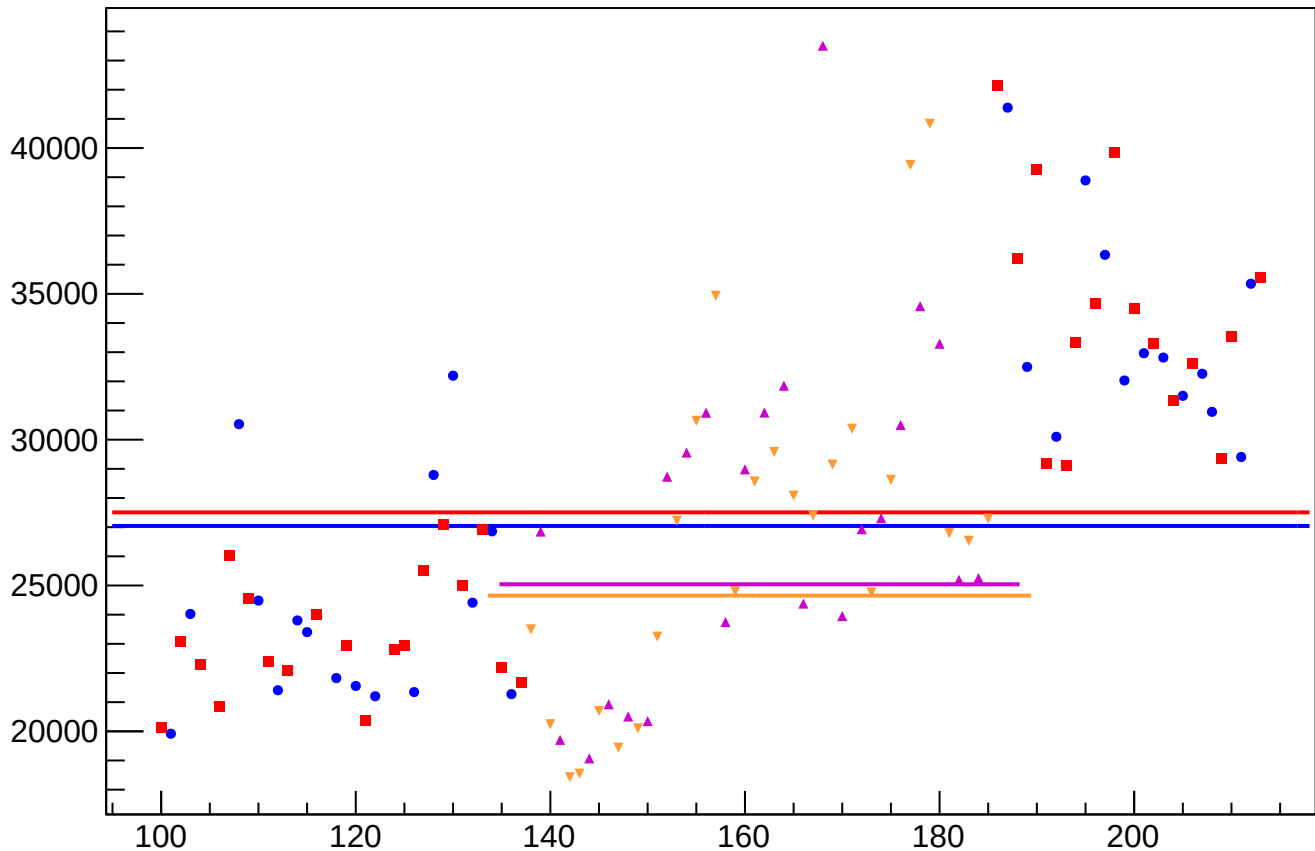
Left In: -0.147 ± 5.985 χ^2/NDF : 12.1/22

+ sign -1.894 ± 4.346 χ^2/NDF : 63.5/53

All: 0.410 ± 3.088 χ^2/NDF : 118.3/110

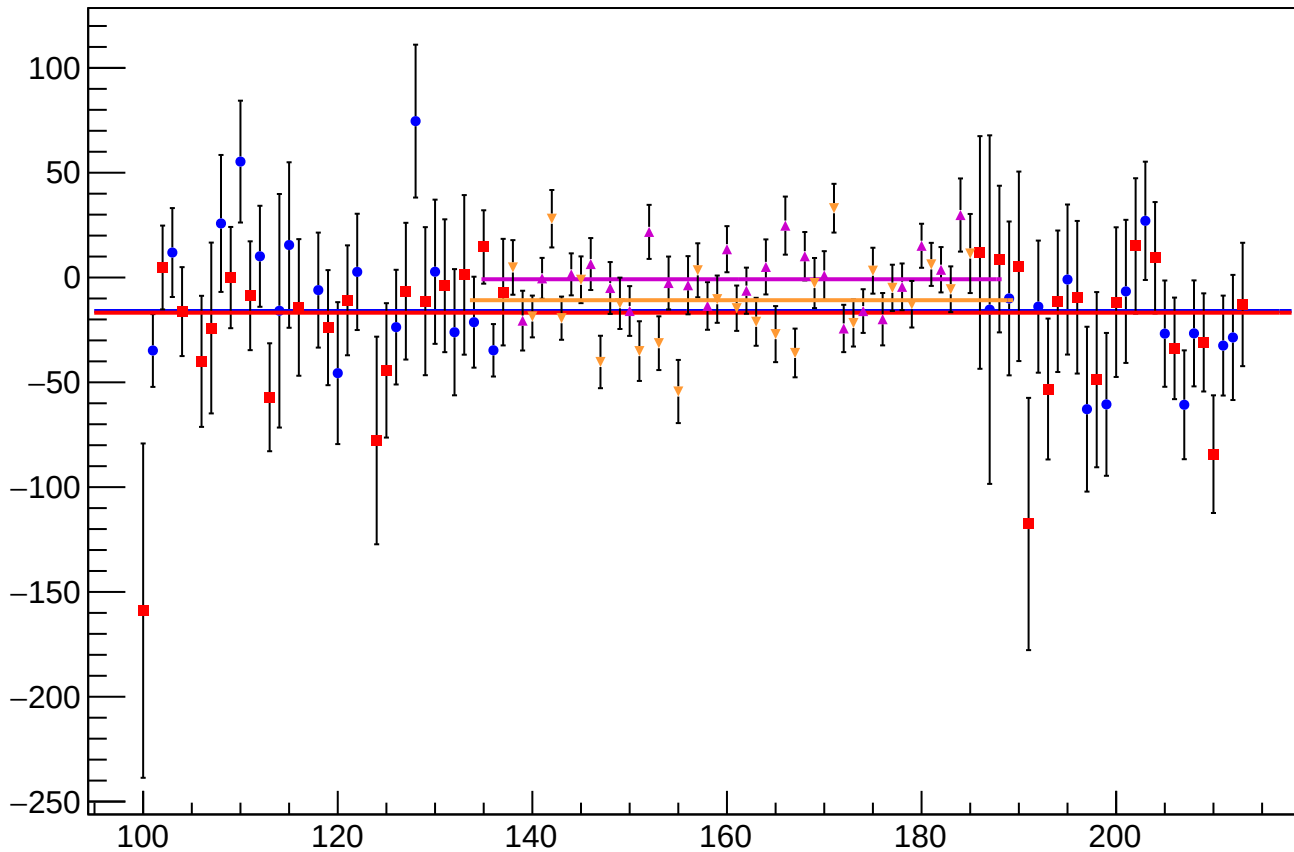
- sign 2.759 ± 4.389 χ^2/NDF : 54.2/56

diff_bpmE_11X12X_rms vs Slug



Right In: 27042.079+/-4.688	χ^2/NDF : 1405316.4/28	+ sign 25680.178+/-3.073	χ^2/NDF : 3136032.6/53
Left Out: 24654.001+/-4.069	χ^2/NDF : 1582710.2/24	All: 25928.421+/-2.184	χ^2/NDF : 6276765.9/33
Right Out: 27507.755+/-4.565	χ^2/NDF : 1528994.0/33	- sign 26181.629+/-3.103	χ^2/NDF : 3127550.1/56
Left In: 25041.993+/-4.232	χ^2/NDF : 1441641.5/22		

diff_bpm4aesumX_mean vs Slug



Right In: -15.975 ± 4.989 χ^2/NDF : 32.4/28

Left Out: -10.822 ± 2.370 χ^2/NDF : 61.3/24

Right Out: -16.785 ± 5.086 χ^2/NDF : 28.5/33

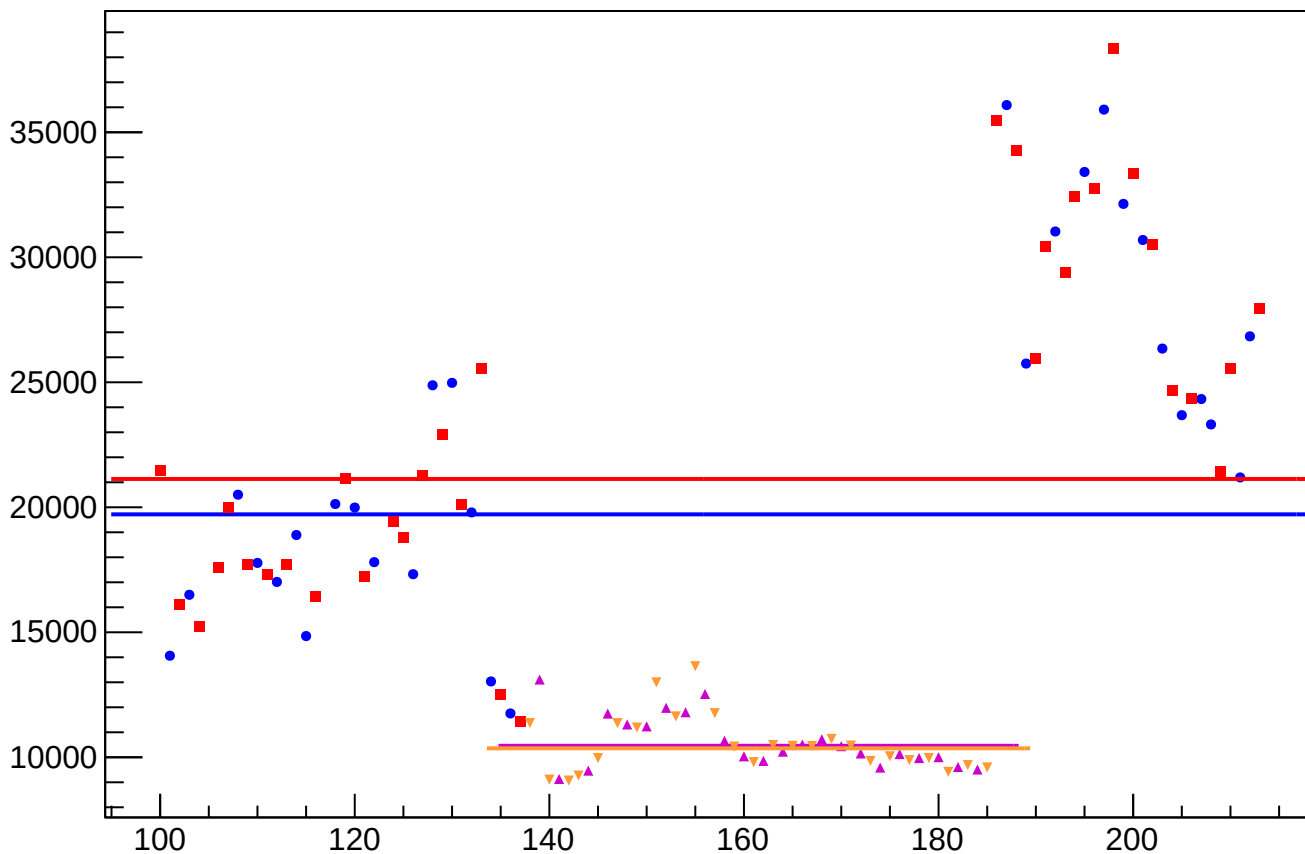
Left In: -0.826 ± 2.457 χ^2/NDF : 29.4/22

+ sign -11.771 ± 2.141 χ^2/NDF : 94.5/53

All: -7.939 ± 1.539 χ^2/NDF : 167.0/110

- sign -3.846 ± 2.212 χ^2/NDF : 65.9/56

diff_bpm4aesumX_rms vs Slug



Right In: 19717.270 $\pm$ 3.528 χ^2 /NDF: 3314530.3/28

Left Out: 10358.363 $\pm$ 1.676 χ^2 /NDF:363077.1/24

Right Out: 21133.304 $\pm$ 3.596 χ^2 /NDF: 3342112.2/33

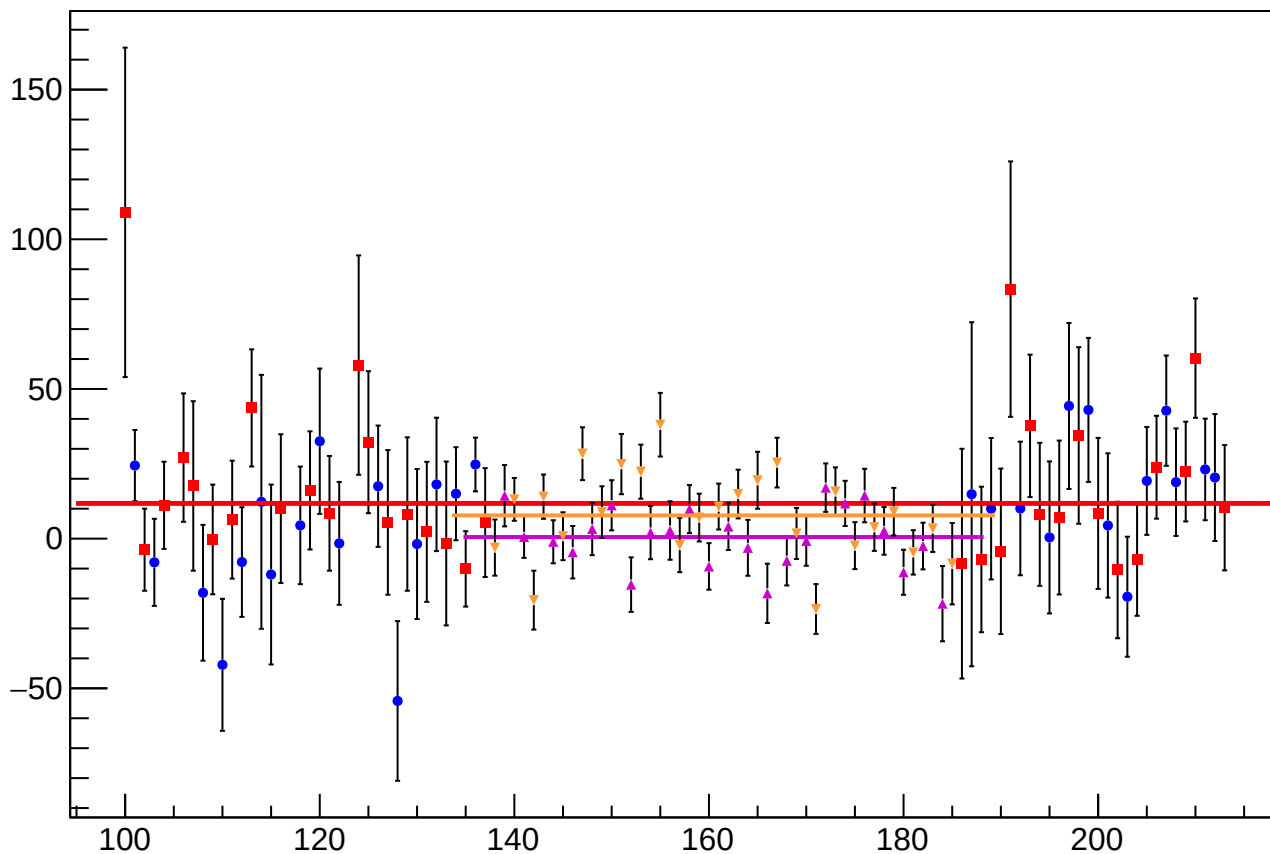
Left In: 10459.060 $\pm$ 1.737 χ^2 /NDF:314636.9/22

+ sign 12082.018 $\pm$ 1.514 χ^2 /NDF: 9419848.6/53

All: 12274.027 $\pm$ 1.088 χ^2 /NDF: 20253118.7

- sign 12479.056 $\pm$ 1.564 χ^2 /NDF: 10800007.0/56

diff_bpm4aediiffX_mean vs Slug



Right In: 11.679 ± 3.561 $\chi^2/\text{NDF}: 32.0/28$

Left Out: 7.763 ± 1.691 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 11.920 ± 3.637 $\chi^2/\text{NDF}: 28.8/33$

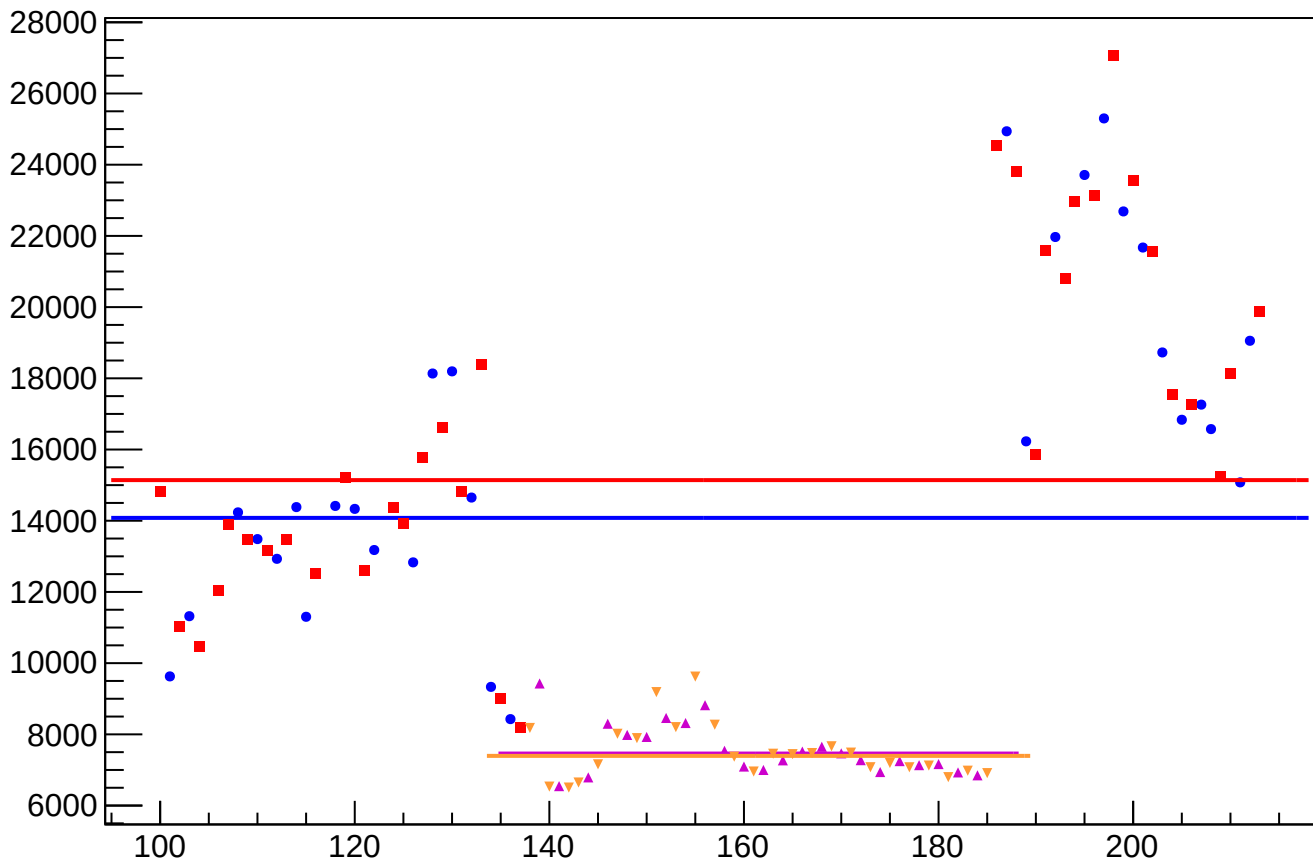
Left In: 0.532 ± 1.752 $\chi^2/\text{NDF}: 29.4/22$

+ sign 8.484 ± 1.528 $\chi^2/\text{NDF}: 94.0/53$

All: 5.675 ± 1.098 $\chi^2/\text{NDF}: 167.1/110$

- sign 2.677 ± 1.578 $\chi^2/\text{NDF}: 66.2/56$

diff_bpm4aediffX_rms vs Slug



Right In: 14080.073+/-2.518 χ^2/NDF : 3250662.1/28

Left Out: 7395.667+/-1.196 χ^2/NDF : 324459.4/24

+ sign 8625.916+/-1.080 χ^2/NDF : 9323682.6/53

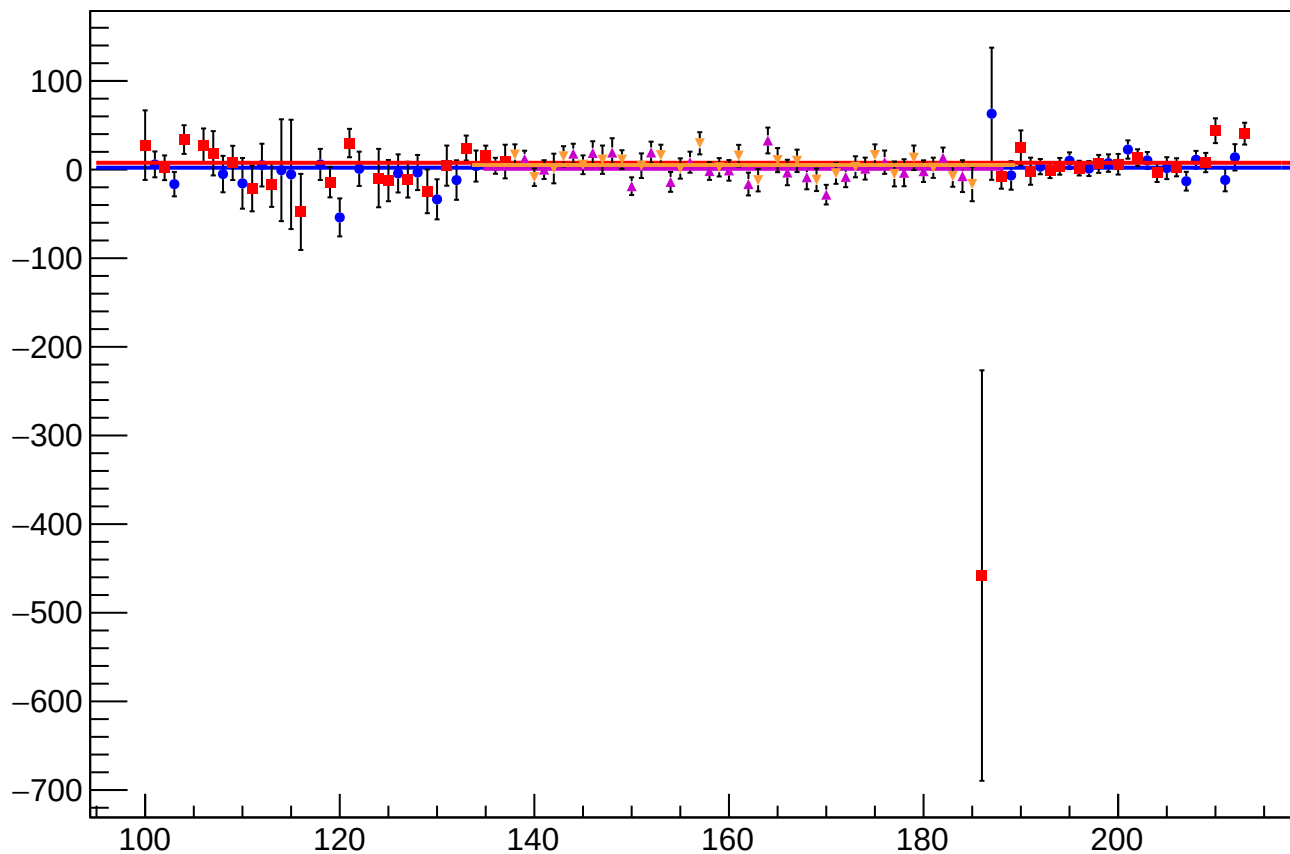
Right Out: 15141.042+/-2.572 χ^2/NDF : 3213845.0/33

All: 8762.097+/-0.776 χ^2/NDF : 20093822.0/100

Left In: 7460.824+/-1.239 χ^2/NDF : 284034.9/22

- sign 8907.422+/-1.116 χ^2/NDF : 10737296.3/56

diff_bpm4aesumY_mean vs Slug



Right In: 2.116 ± 2.517 χ^2/NDF : 23.7/28

Left Out: 5.178 ± 2.459 χ^2/NDF : 18.4/24

Right Out: 7.655 ± 2.424 χ^2/NDF : 41.0/33

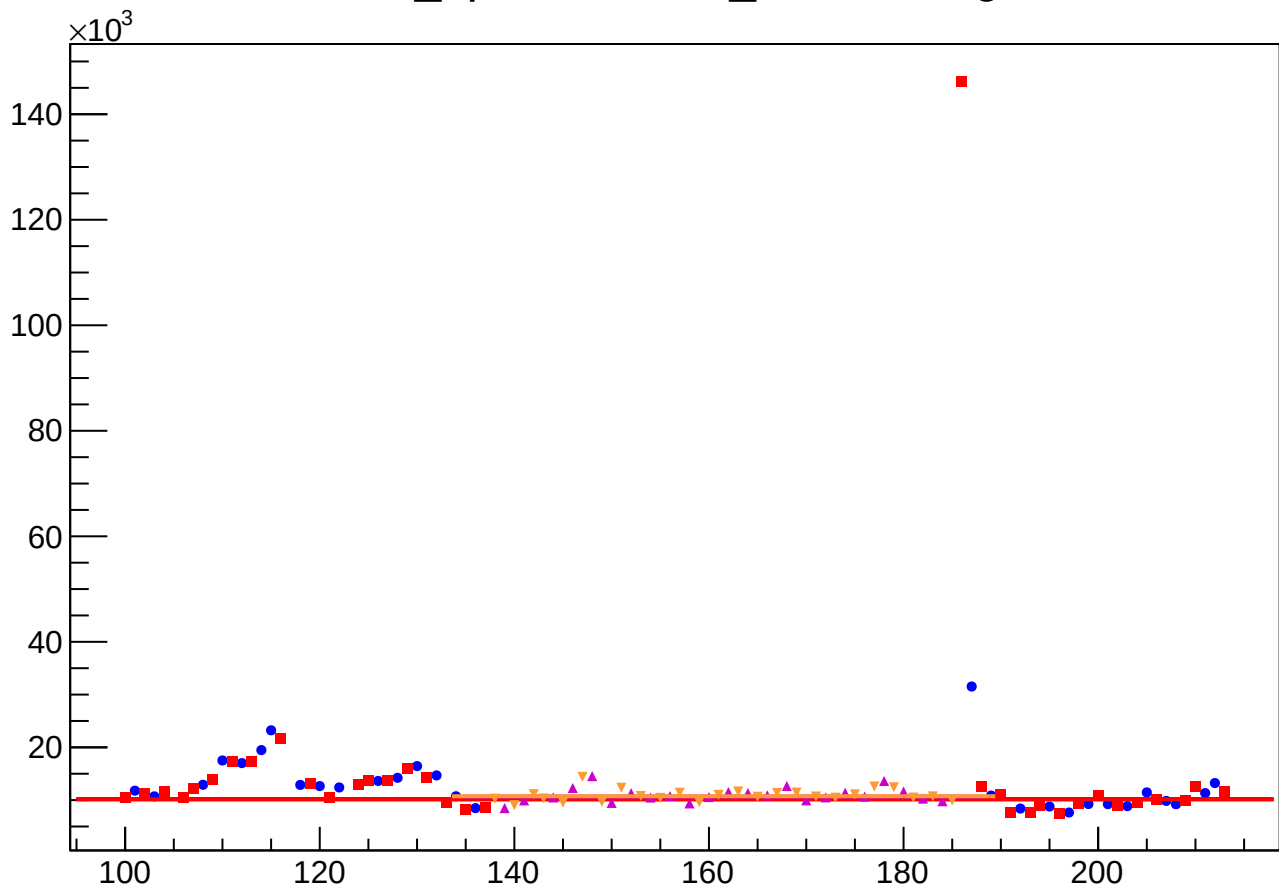
Left In: 0.891 ± 2.519 χ^2/NDF : 31.8/22

+ sign 3.683 ± 1.759 χ^2/NDF : 42.9/53

All: 4.045 ± 1.239 χ^2/NDF : 119.5/110

- sign 4.402 ± 1.747 χ^2/NDF : 76.6/56

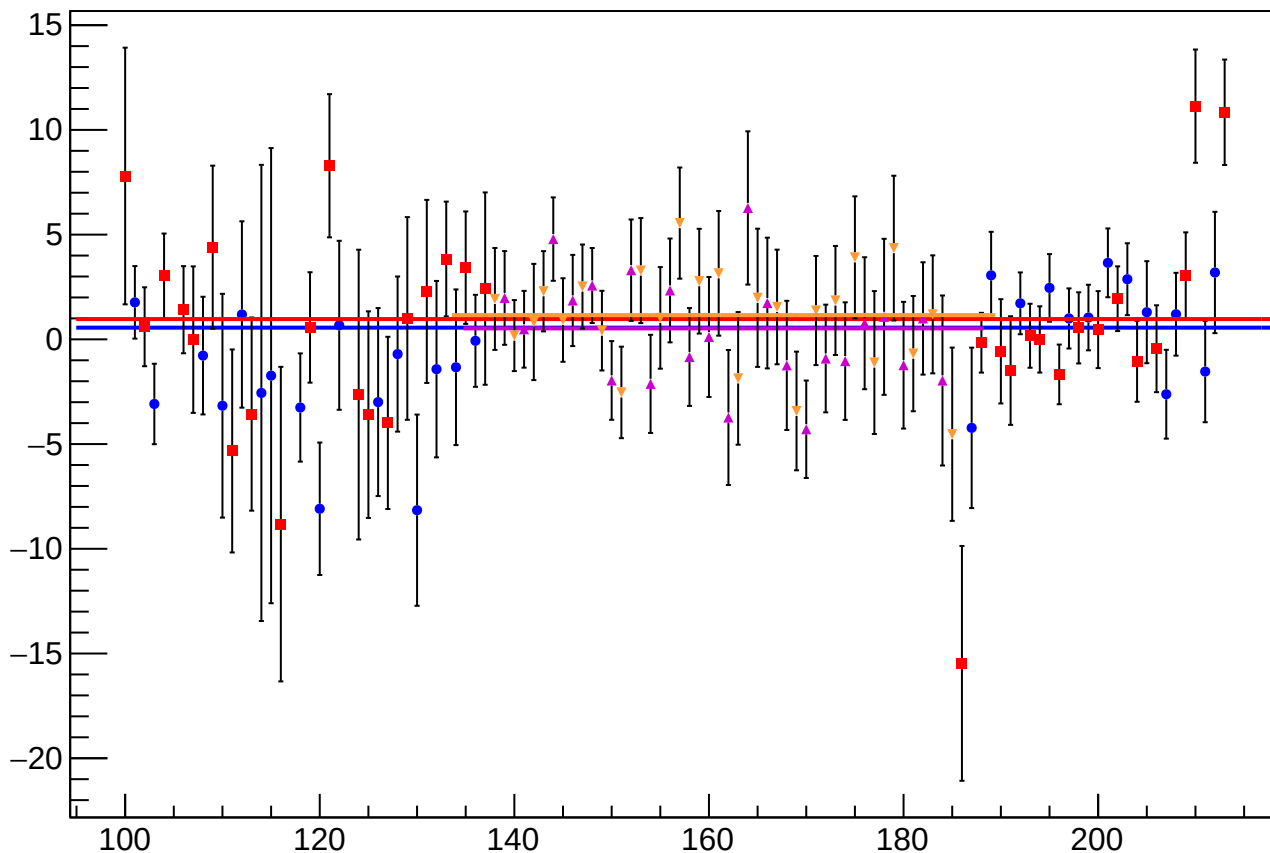
diff_bpm4aesumY_rms vs Slug



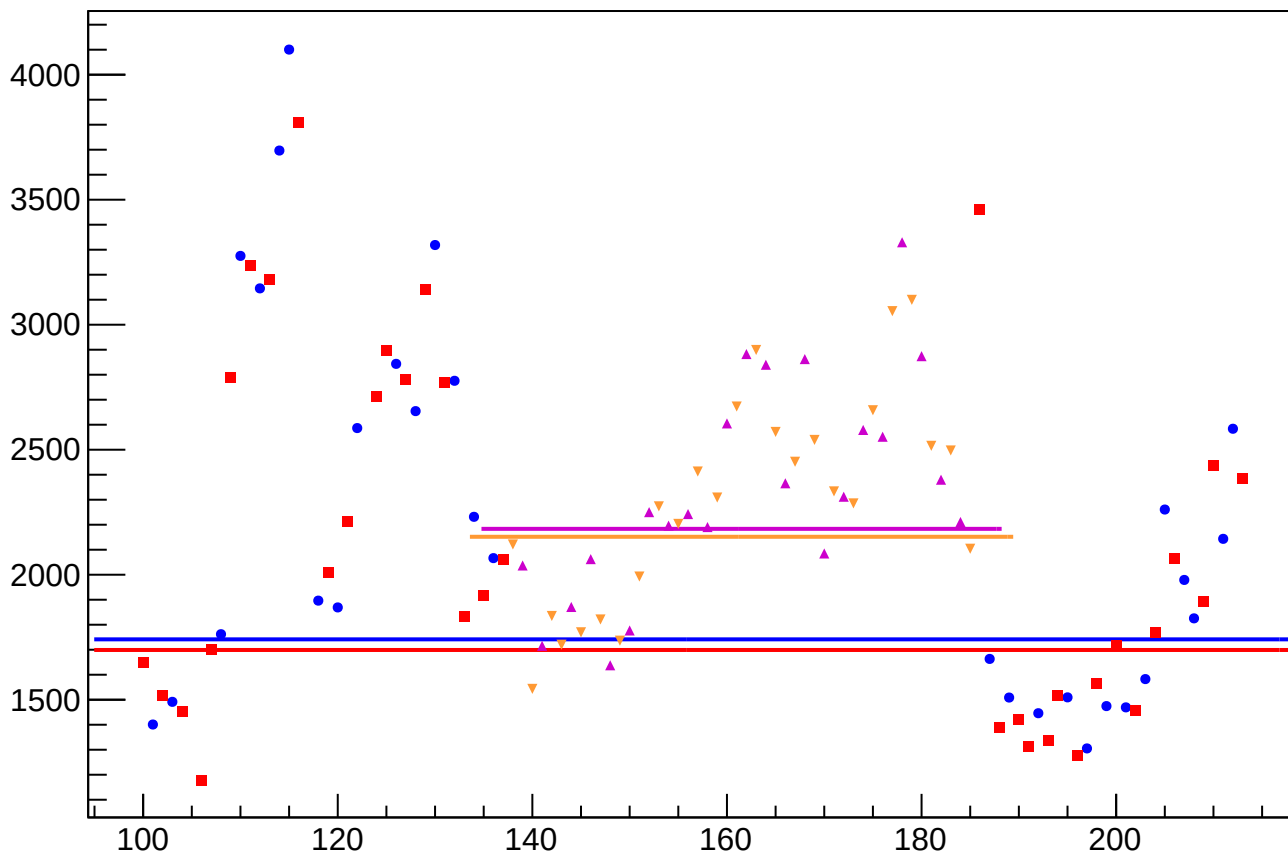
Right In: 10173.469 ± 1.780 $\chi^2/\text{NDF}: 1732007.8/28$
 Left Out: 10733.733 ± 1.739 $\chi^2/\text{NDF}: 368279.7/24$
 Right Out: 10151.675 ± 1.714 $\chi^2/\text{NDF}: 2390995.3/33$
 Left In: 10677.154 ± 1.781 $\chi^2/\text{NDF}: 500574.4/22$

+ sign 10460.175 ± 1.244 $\chi^2/\text{NDF}: 2150988.1/53$
 All: 10432.081 ± 0.876 $\chi^2/\text{NDF}: 5088766.5/100$
 - sign 10404.383 ± 1.235 $\chi^2/\text{NDF}: 2936765.2/56$

diff_bpm4aediY_mean vs Slug



diff_bpm4aediY_rms vs Slug



Right In: 1741.506 $\pm$ 0.306 χ^2 /NDF: 2218586.0/28

Left Out: 2151.757 $\pm$ 0.354 χ^2 /NDF:1349537.9/24

Right Out: 1698.999 $\pm$ 0.288 χ^2 /NDF: 2714047.8/33

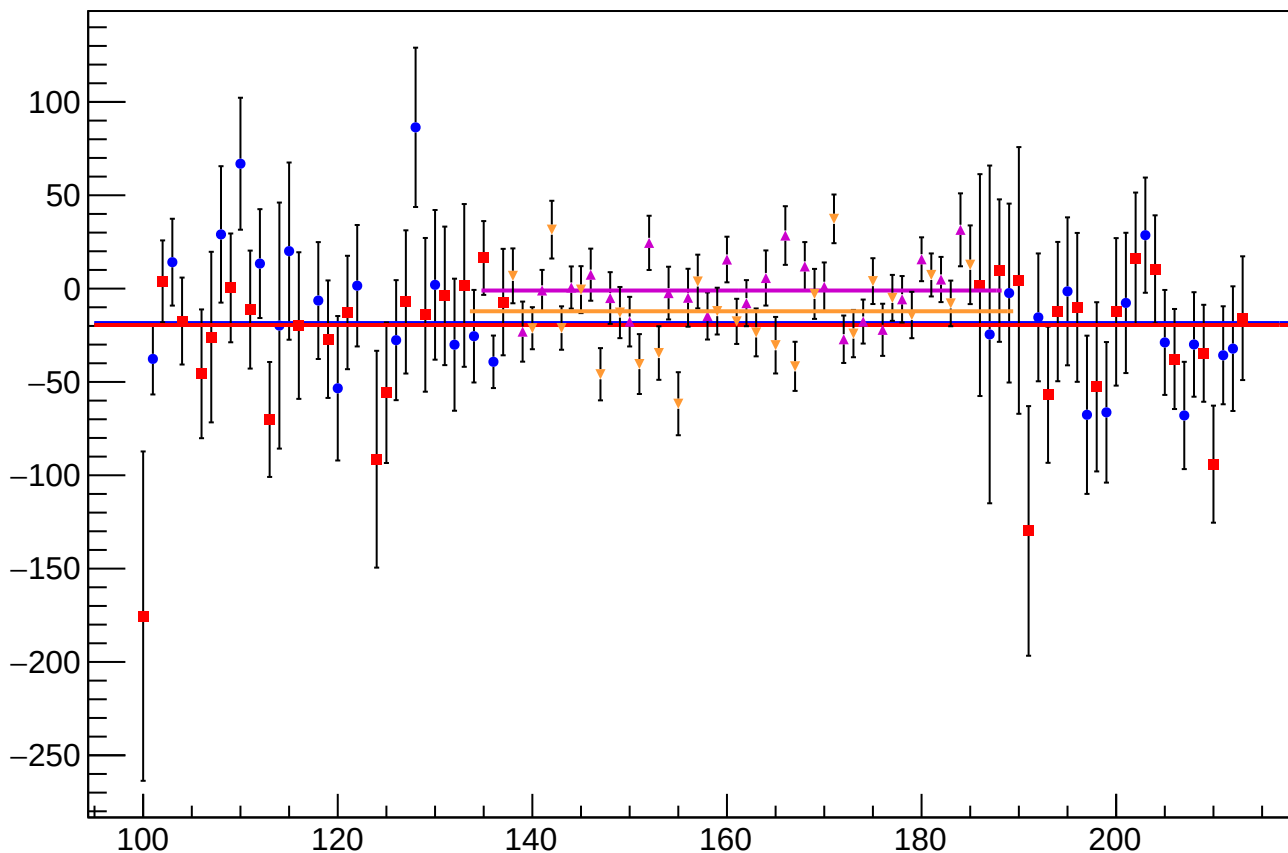
Left In: 2183.482 $\pm$ 0.368 χ^2 /NDF:1162266.2/22

+ sign 1917.259 $\pm$ 0.231 χ^2 /NDF: 4337332.2/53

All: 1899.692 $\pm$ 0.162 χ^2 /NDF: 9302680.4/11

- sign 1882.878 $\pm$ 0.226 χ^2 /NDF: 4954076.2/56

diff_bpmtargetsumX_mean vs Slug



Right In: -18.464 ± 5.641 $\chi^2/\text{NDF}: 32.0/28$

Left Out: -12.135 ± 2.661 $\chi^2/\text{NDF}: 62.6/24$

Right Out: -19.496 ± 5.768 $\chi^2/\text{NDF}: 28.5/33$

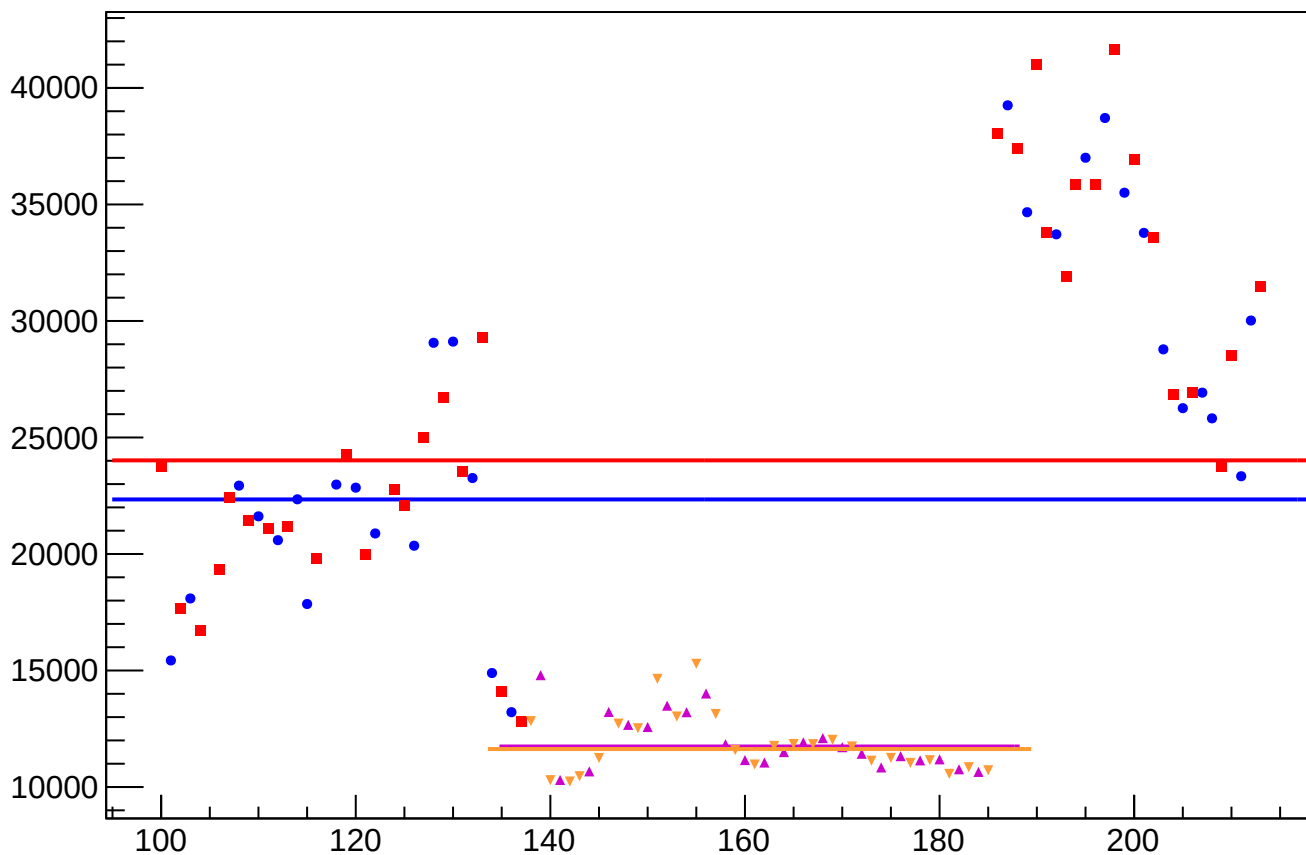
Left In: -1.024 ± 2.758 $\chi^2/\text{NDF}: 28.8/22$

+ sign -13.287 ± 2.407 $\chi^2/\text{NDF}: 95.7/53$

All: -9.020 ± 1.730 $\chi^2/\text{NDF}: 167.8/110$

- sign -4.461 ± 2.488 $\chi^2/\text{NDF}: 65.6/56$

diff_bpmtargetsumX_rms vs Slug



Right In: 22341.590+/-3.989 χ^2/NDF : 3241375.9/28

Left Out: 11630.201+/-1.882 χ^2/NDF :356022.1/24

Right Out: 24017.839+/-4.078 χ^2/NDF : 3198285.0/33

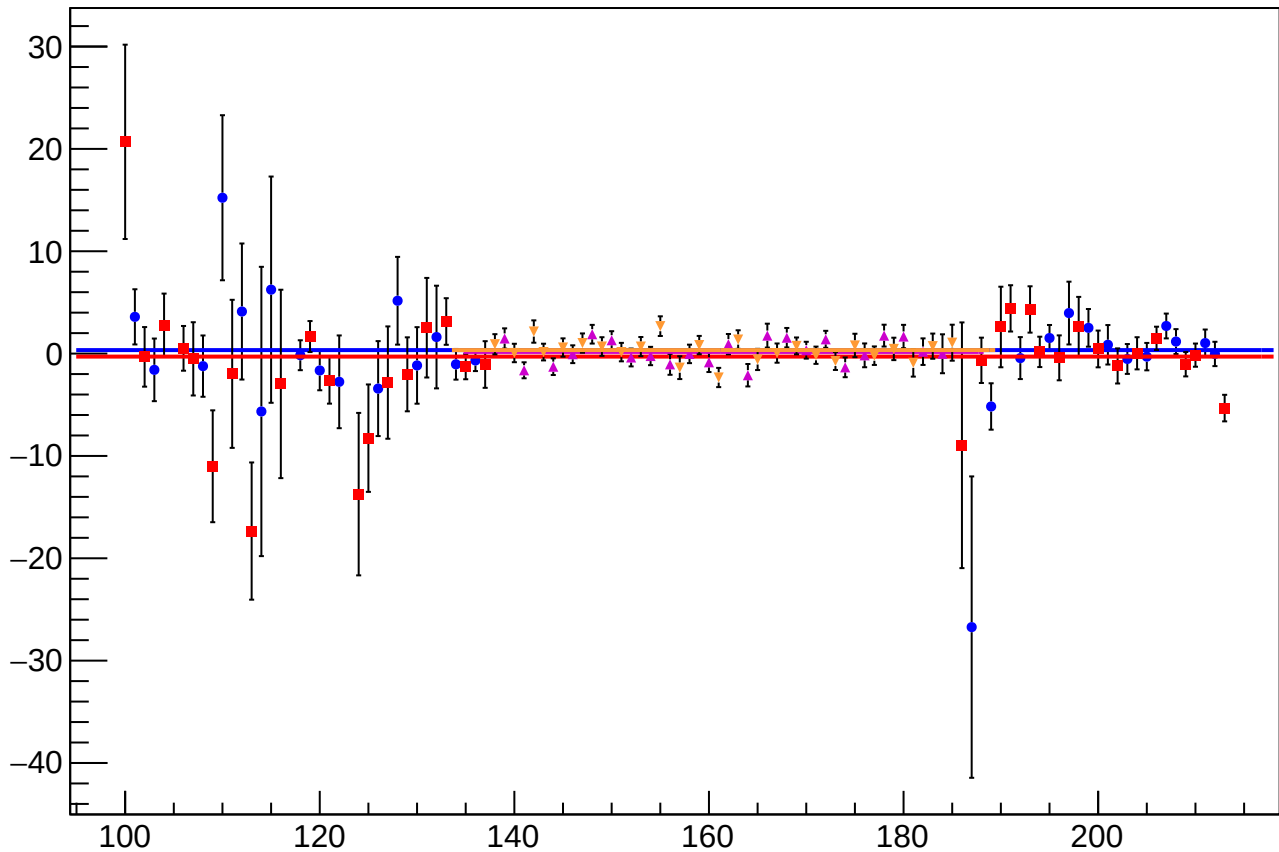
Left In: 11738.371+/-1.950 χ^2/NDF :313542.0/22

+ sign 13579.884+/-1.702 χ^2/NDF : 9495618.7/53

All: 13794.173+/-1.223 χ^2/NDF : 20419325.9

- sign 14023.143+/-1.759 χ^2/NDF : 10890910.9/56

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.341 ± 0.350 χ^2/NDF : 30.3/28

Left Out: 0.343 ± 0.194 χ^2/NDF : 26.8/24

Right Out: -0.293 ± 0.357 χ^2/NDF : 57.2/33

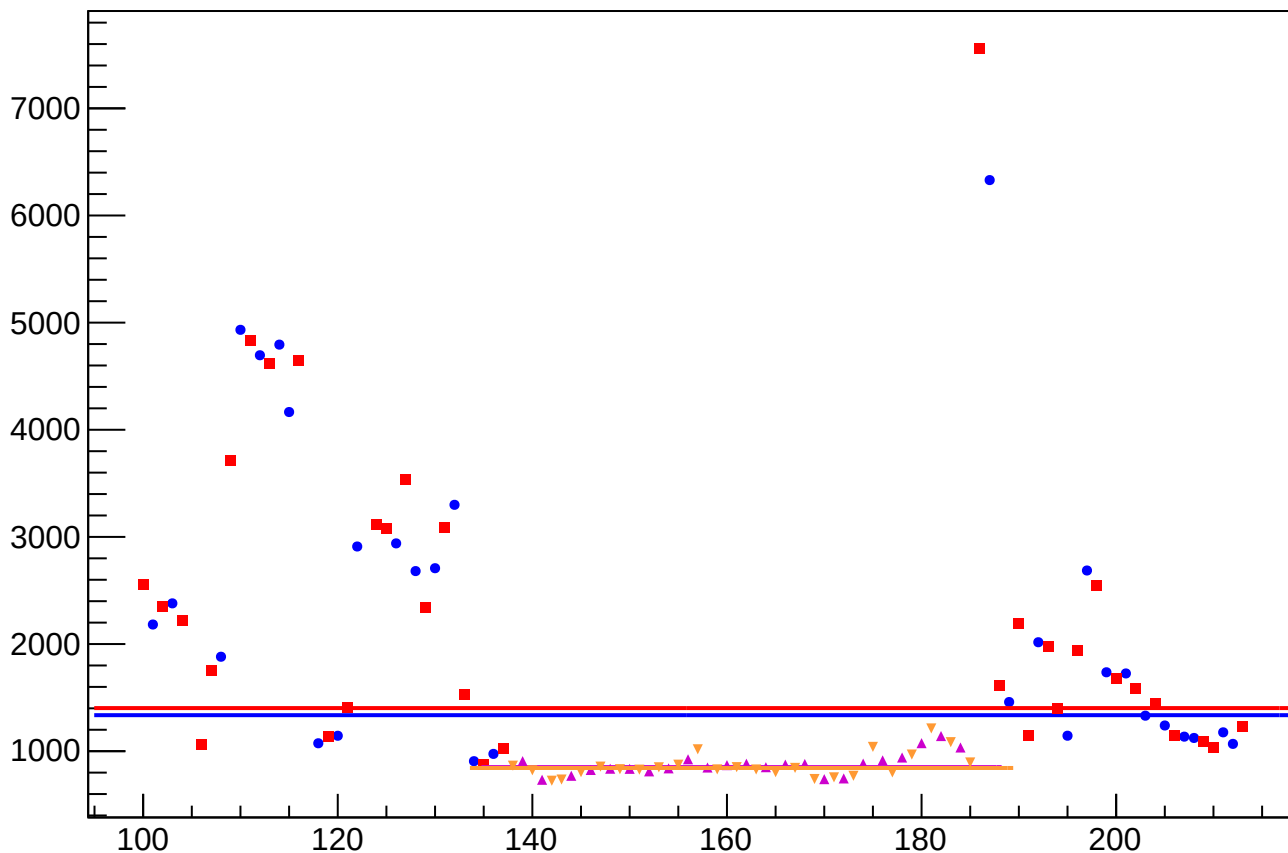
Left In: 0.165 ± 0.201 χ^2/NDF : 36.3/22

+ sign 0.342 ± 0.170 χ^2/NDF : 57.0/53

All: 0.203 ± 0.122 χ^2/NDF : 153.2/110

- sign 0.055 ± 0.175 χ^2/NDF : 94.8/56

diff_bpmtargetdiffX_rms vs Slug



Right In: 1336.138 ± 0.247 $\chi^2/\text{NDF}: 4722447.2/28$

Left Out: 843.266 ± 0.137 $\chi^2/\text{NDF}: 505106.4/24$

Right Out: 1402.310 ± 0.252 $\chi^2/\text{NDF}: 5208449.1/33$

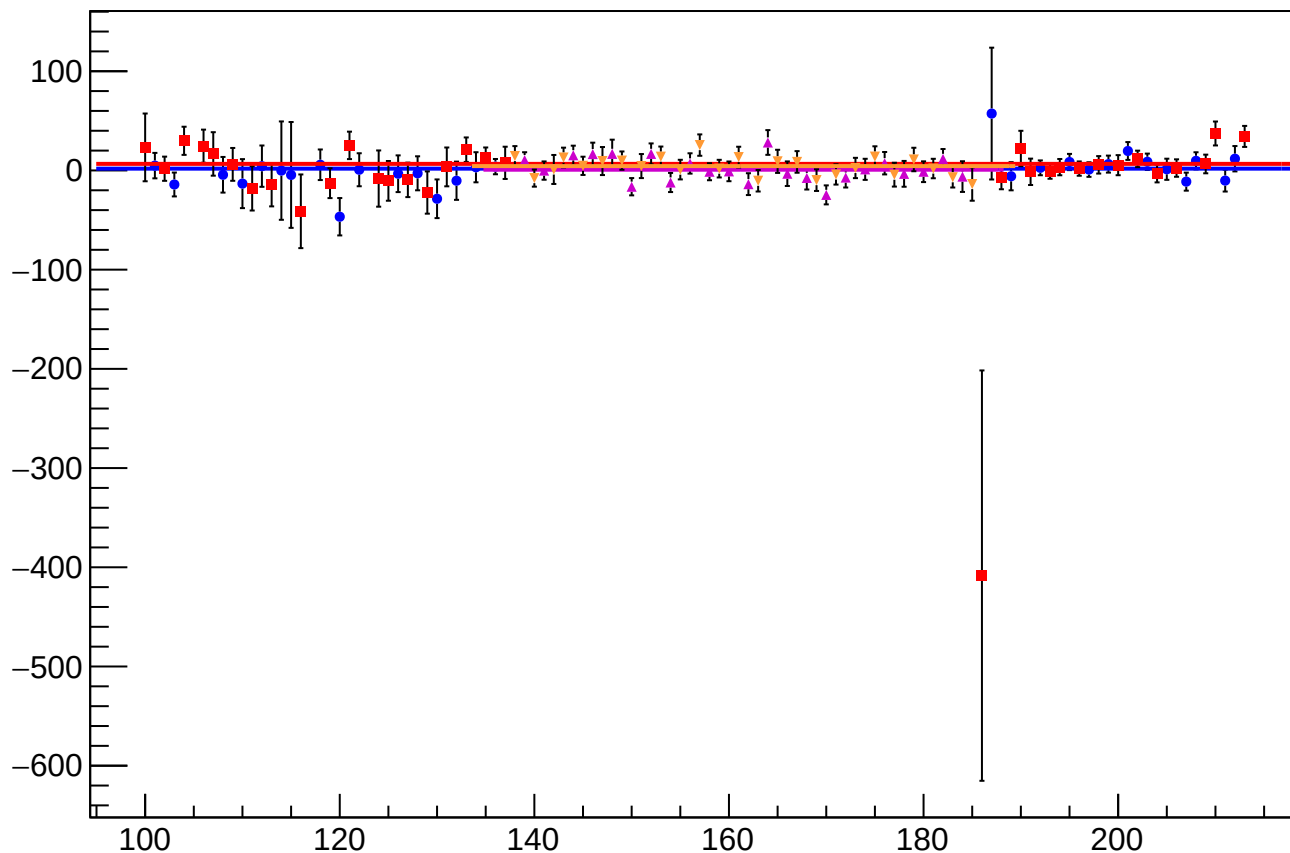
Left In: 851.618 ± 0.142 $\chi^2/\text{NDF}: 382555.6/22$

+ sign 958.903 ± 0.120 $\chi^2/\text{NDF}: 8263823.1/53$

All: 971.045 ± 0.086 $\chi^2/\text{NDF}: 17489527.2/174$

- sign 983.995 ± 0.124 $\chi^2/\text{NDF}: 9204499.3/56$

diff_bpmtargetsumY_mean vs Slug



Right In: 1.811 ± 2.181 χ^2/NDF : 23.4/28

Left Out: 4.383 ± 2.122 χ^2/NDF : 18.6/24

Right Out: 6.622 ± 2.103 χ^2/NDF : 40.4/33

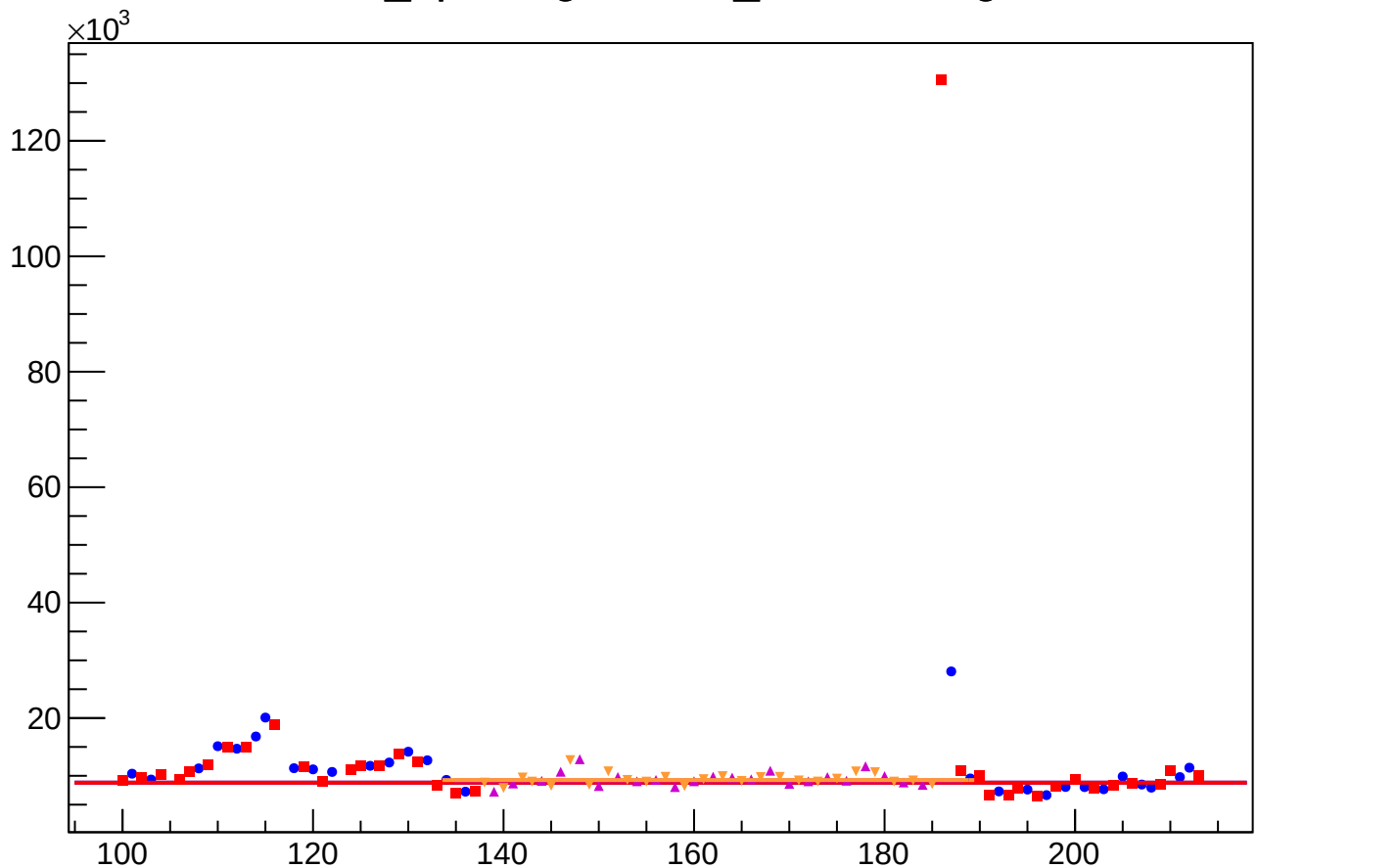
Left In: 0.734 ± 2.171 χ^2/NDF : 32.0/22

+ sign 3.133 ± 1.521 χ^2/NDF : 42.7/53

All: 3.454 ± 1.072 χ^2/NDF : 119.0/110

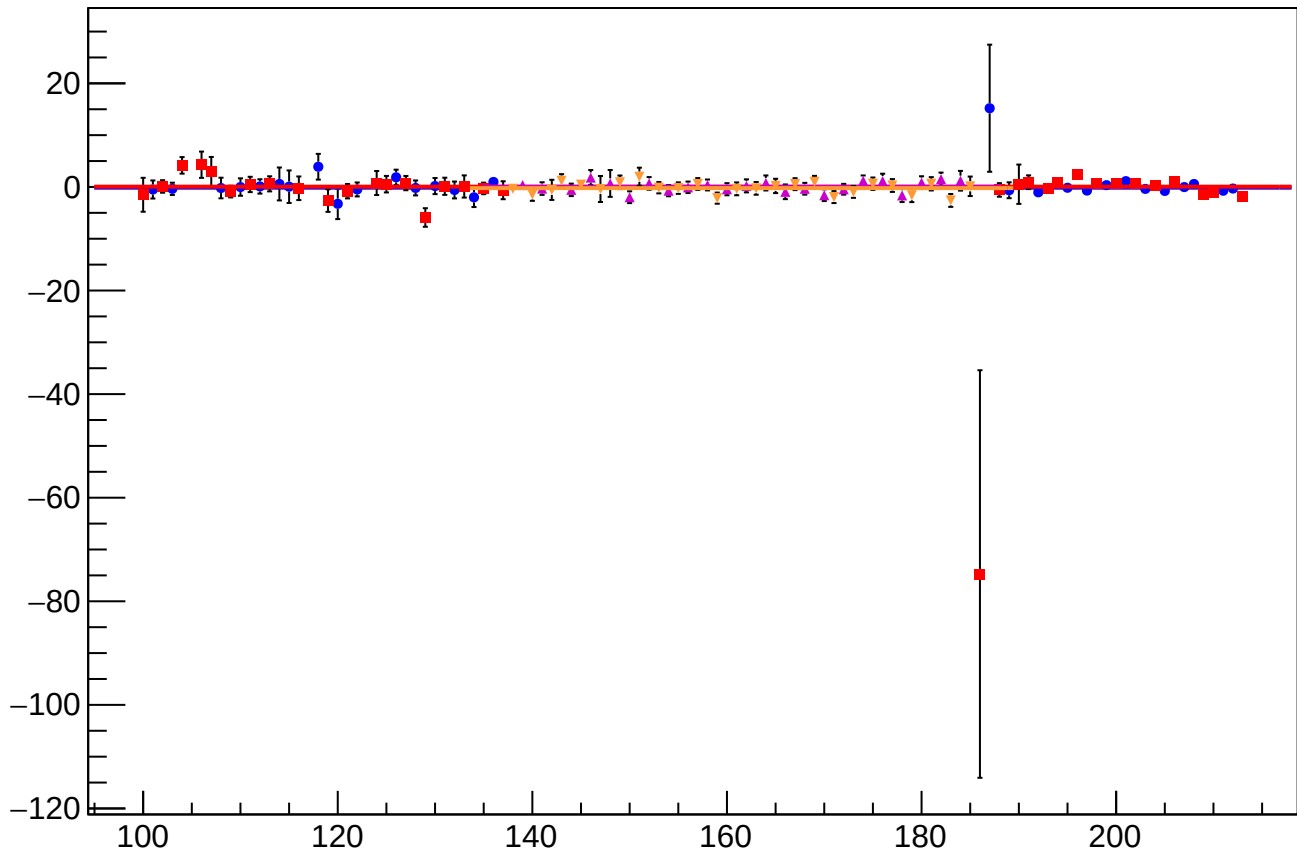
- sign 3.771 ± 1.510 χ^2/NDF : 76.2/56

diff_bpmtargetsumY_rms vs Slug



Right In: 8814.288 ± 1.543 $\chi^2/\text{NDF}: 1738358.3/28$ + sign 9044.129 ± 1.075 $\chi^2/\text{NDF}: 2147634.8/53$
 Left Out: 9261.542 ± 1.500 $\chi^2/\text{NDF}: 366072.4/24$ All: 9020.111 ± 0.758 $\chi^2/\text{NDF}: 5088187.4/11$
 Right Out: 8805.698 ± 1.487 $\chi^2/\text{NDF}: 2390106.6/33$ - sign 8996.421 ± 1.068 $\chi^2/\text{NDF}: 2939561.9/56$
 Left In: 9199.542 ± 1.535 $\chi^2/\text{NDF}: 515496.8/22$

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.138 ± 0.188 χ^2/NDF : 17.8/28

Left Out: -0.229 ± 0.243 χ^2/NDF : 19.0/24

Right Out: 0.053 ± 0.184 χ^2/NDF : 60.0/33

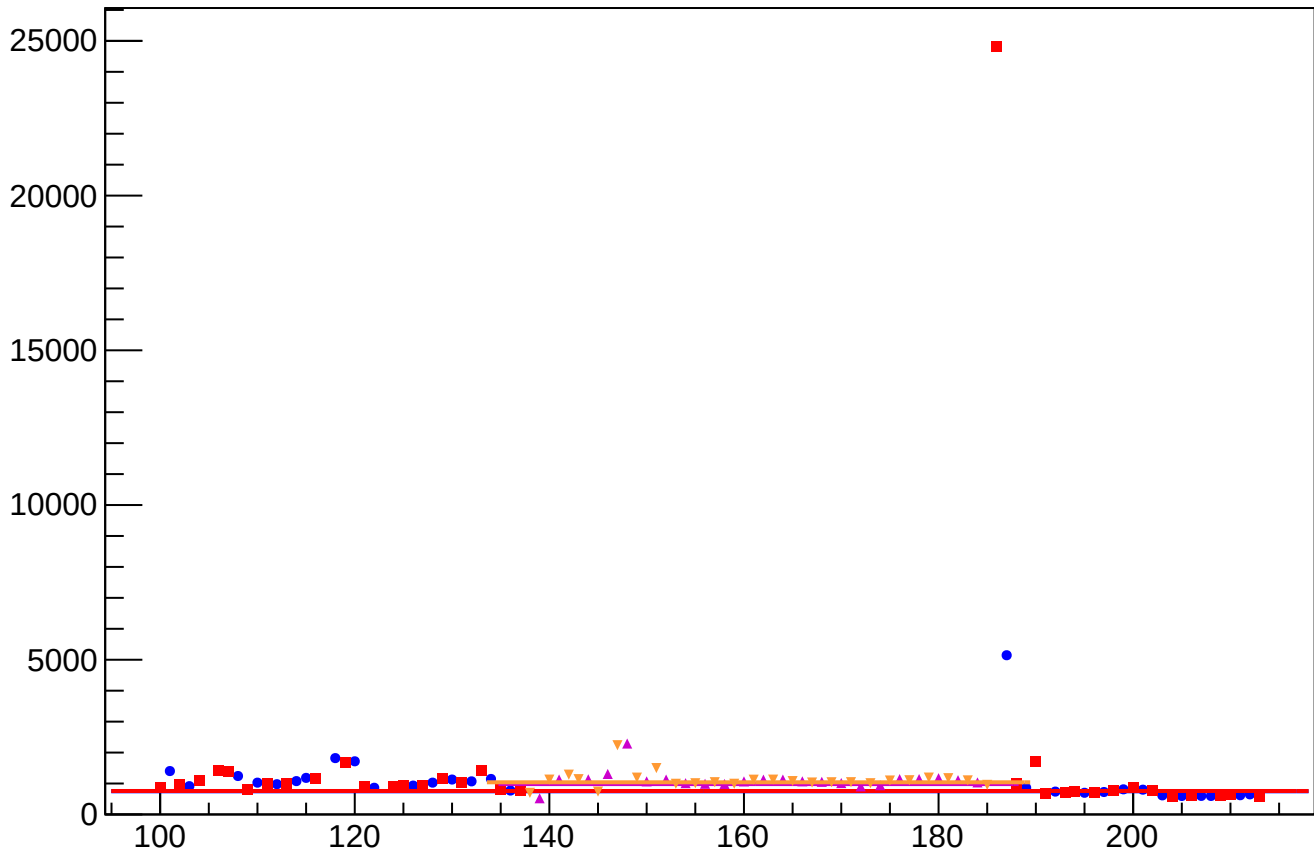
Left In: 0.025 ± 0.239 χ^2/NDF : 15.2/22

+ sign -0.172 ± 0.149 χ^2/NDF : 36.8/53

All: -0.063 ± 0.104 χ^2/NDF : 113.1/110

- sign 0.042 ± 0.146 χ^2/NDF : 75.3/56

diff_bpmtargetdiffY_rms vs Slug



Right In: 748.137 $\pm$ 0.133 χ^2 /NDF: 2419460.3/28

Left Out: 1039.424 $\pm$ 0.172 χ^2 /NDF:1339748.9/24

Right Out: 758.423 $\pm$ 0.130 χ^2 /NDF: 2890194.6/33

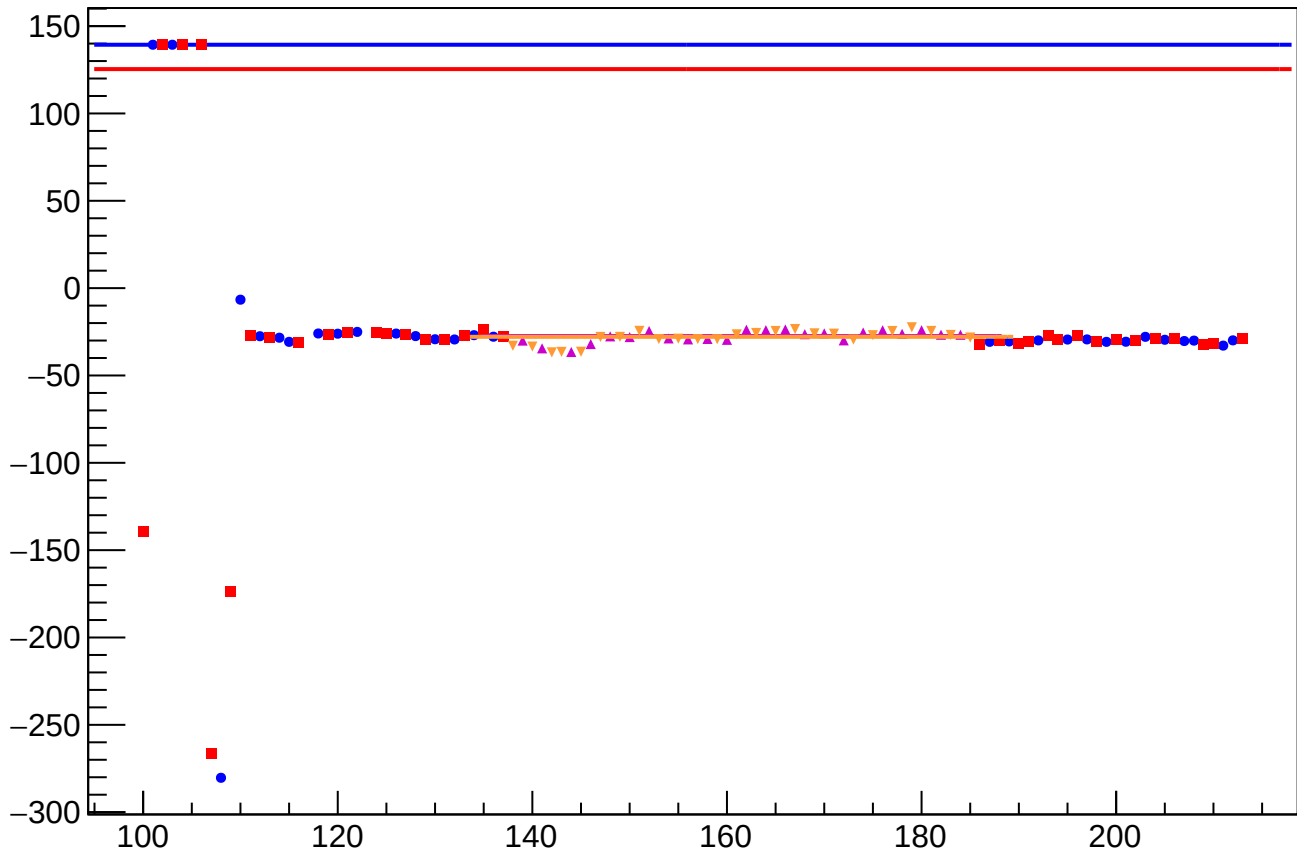
Left In: 981.677 $\pm$ 0.169 χ^2 /NDF:2225094.5/22

+ sign 856.781 $\pm$ 0.105 χ^2 /NDF: 5555074.6/53

All: 849.097 $\pm$ 0.074 χ^2 /NDF: 11774245.8/11

- sign 841.684 $\pm$ 0.103 χ^2 /NDF: 6208673.0/56

yield_cav4bX_mean vs Slug



Right In: 139.336+/-0.000 χ^2/NDF : 64320866358.8/28

Left Out: -27.865+/-0.000 χ^2/NDF : 181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF : 774189317368383.0/33

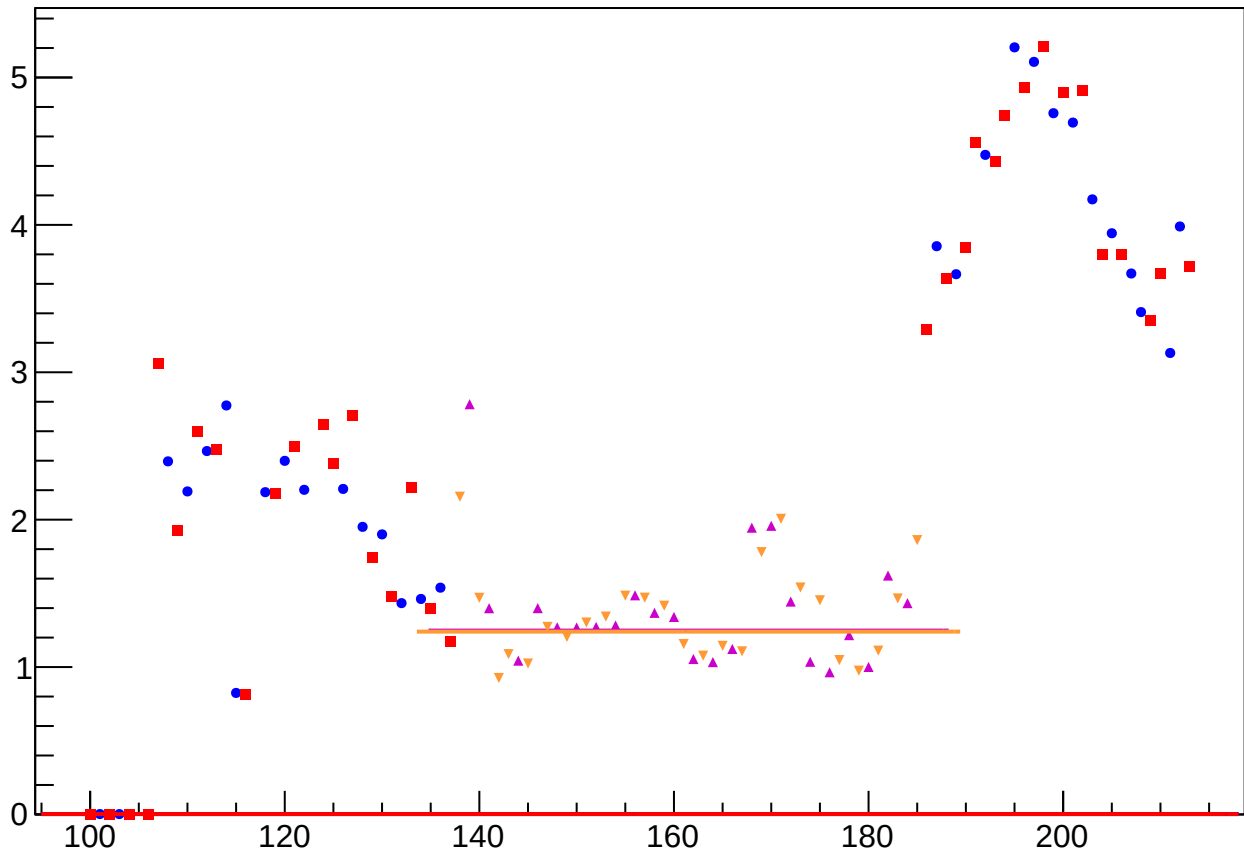
Left In: -27.427+/-0.000 χ^2/NDF : 123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF : 338862845792.3/5

All: 131.810+/-0.000 χ^2/NDF : 79352071506

- sign 125.385+/-0.000 χ^2/NDF : 774402969639858

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 29324707.0/28

Left Out: 1.241+/-0.000 χ^2/NDF :1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 32043672.5/33

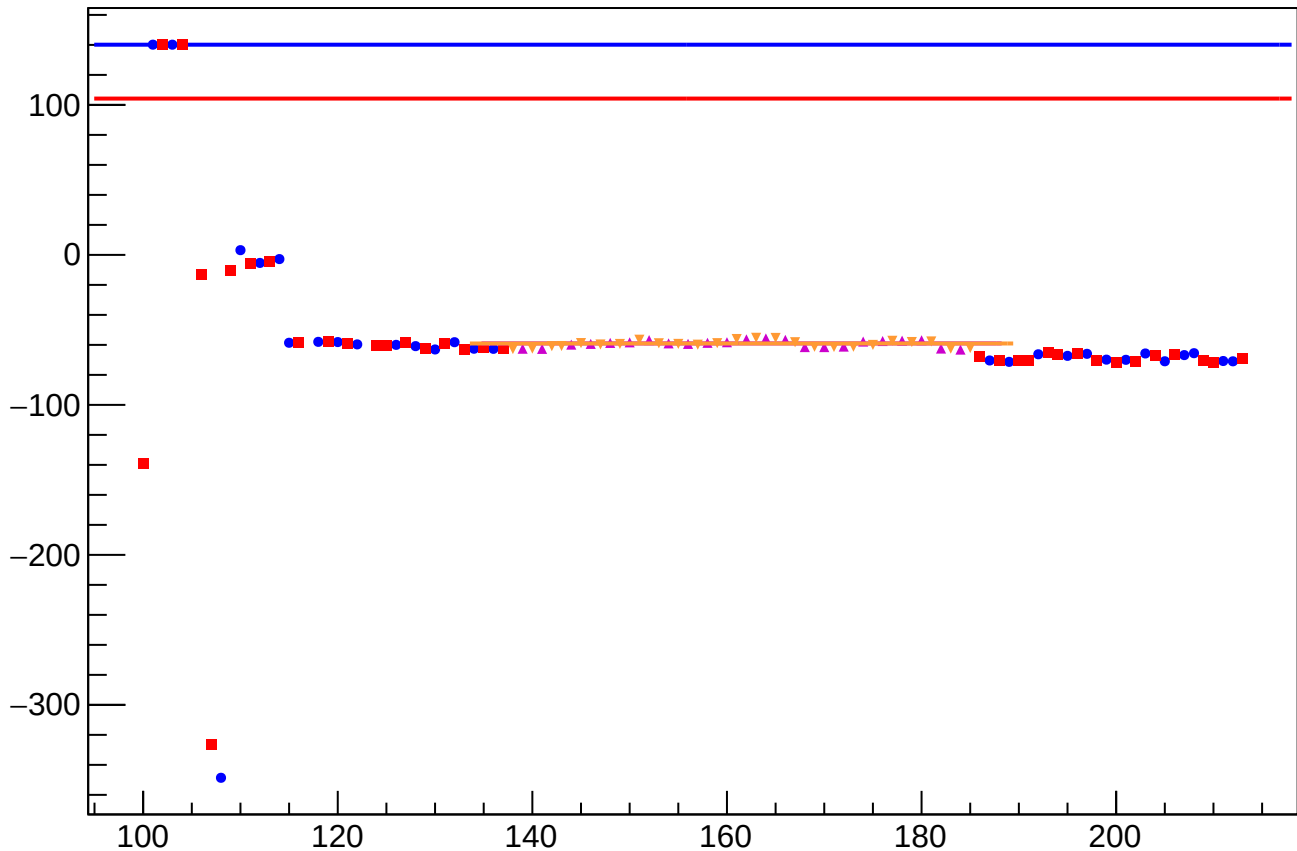
Left In: 1.247+/-0.000 χ^2/NDF :1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 60622710.4/53

All: 0.003+/-0.000 χ^2/NDF : 122433561.0/110

- sign 0.003+/-0.000 χ^2/NDF : 61810462.2/56

yield_cav4bY_mean vs Slug



Right In: 140.135 $\pm$ 0.000 χ^2 /NDF: 499839598025.9/28

Left Out: -59.066 $\pm$ 0.000 χ^2 /NDF:177511074.0/24

+ sign 140.098 $\pm$ 0.000 χ^2 /NDF: 1796920660089.7

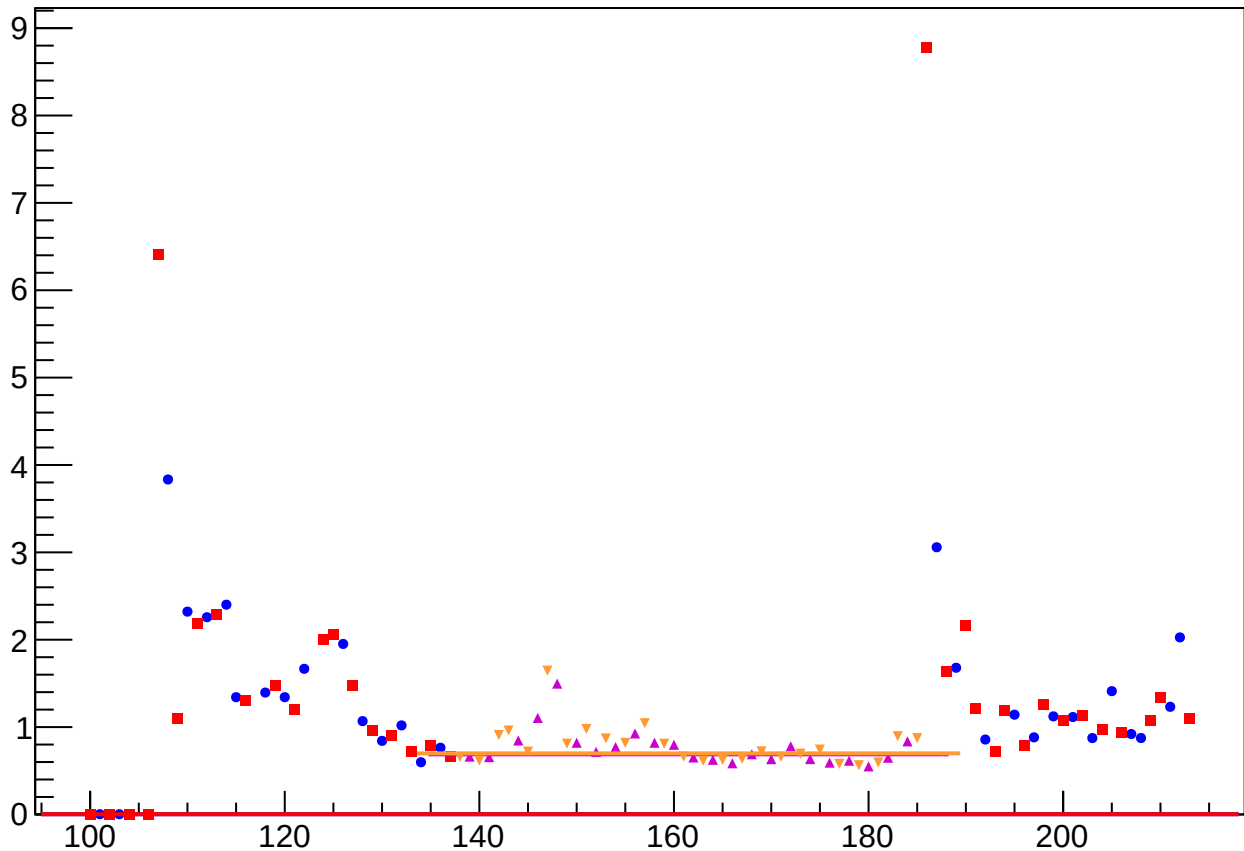
All: 120.794 $\pm$ 0.000 χ^2 /NDF: 138355127392

Right Out: 104.217 $\pm$ 0.000 χ^2 /NDF: 1257651948959400.8/33

- sign 104.192 $\pm$ 0.000 χ^2 /NDF: 125850894025986

Left In: -59.020 $\pm$ 0.000 χ^2 /NDF:179236820.4/22

yield_cav4bY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 27037875.0/28

Left Out: 0.699 $\pm$ 0.000 χ^2 /NDF:1357196.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 29722906.8/33

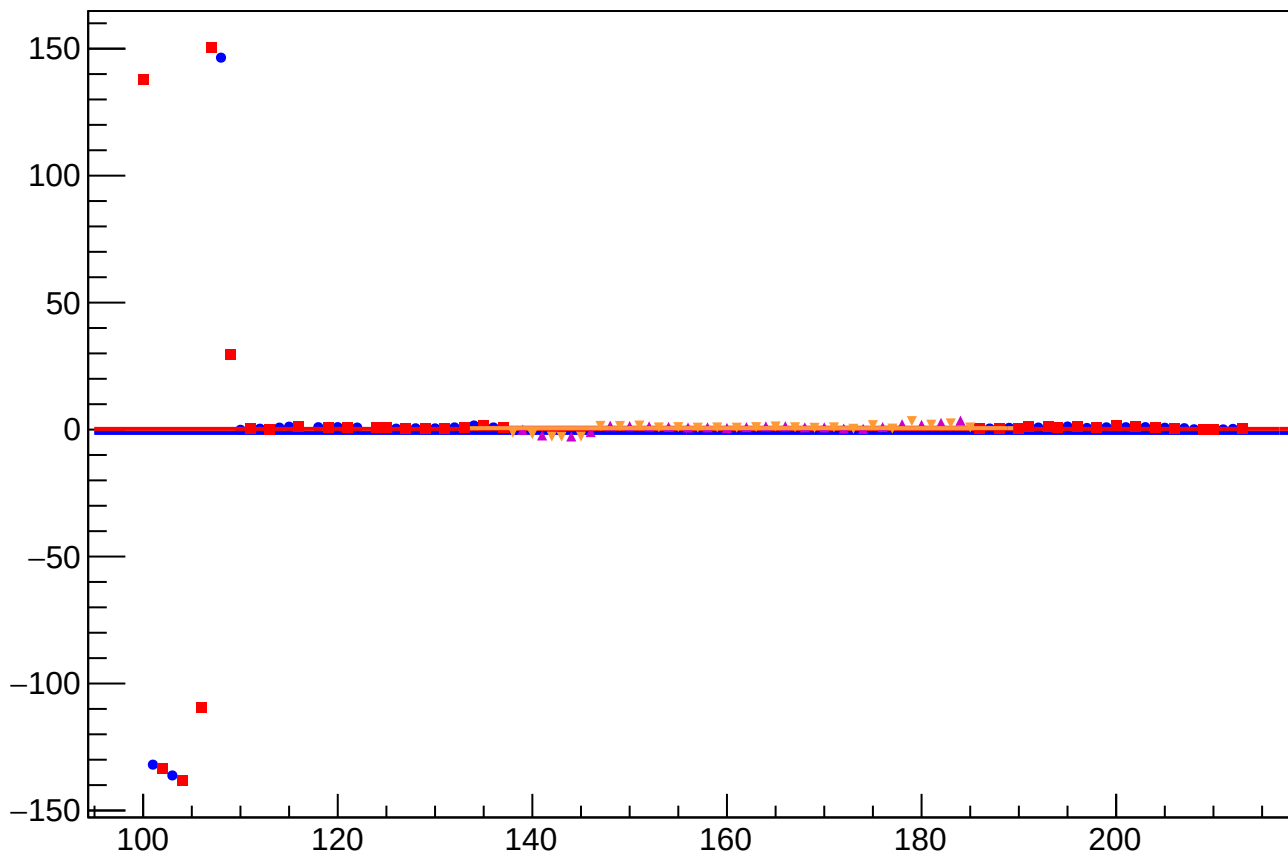
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF:1107767.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 60088421.0/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 121118759.5/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 61029772.7/56

yield_cav4cX_mean vs Slug



Right In: -1.310 ± 0.000 χ^2/NDF : 9907204356.3/28

Left Out: 0.575 ± 0.000 χ^2/NDF : 154364809.1/24

Right Out: 0.284 ± 0.000 χ^2/NDF : 3612966542.5/33

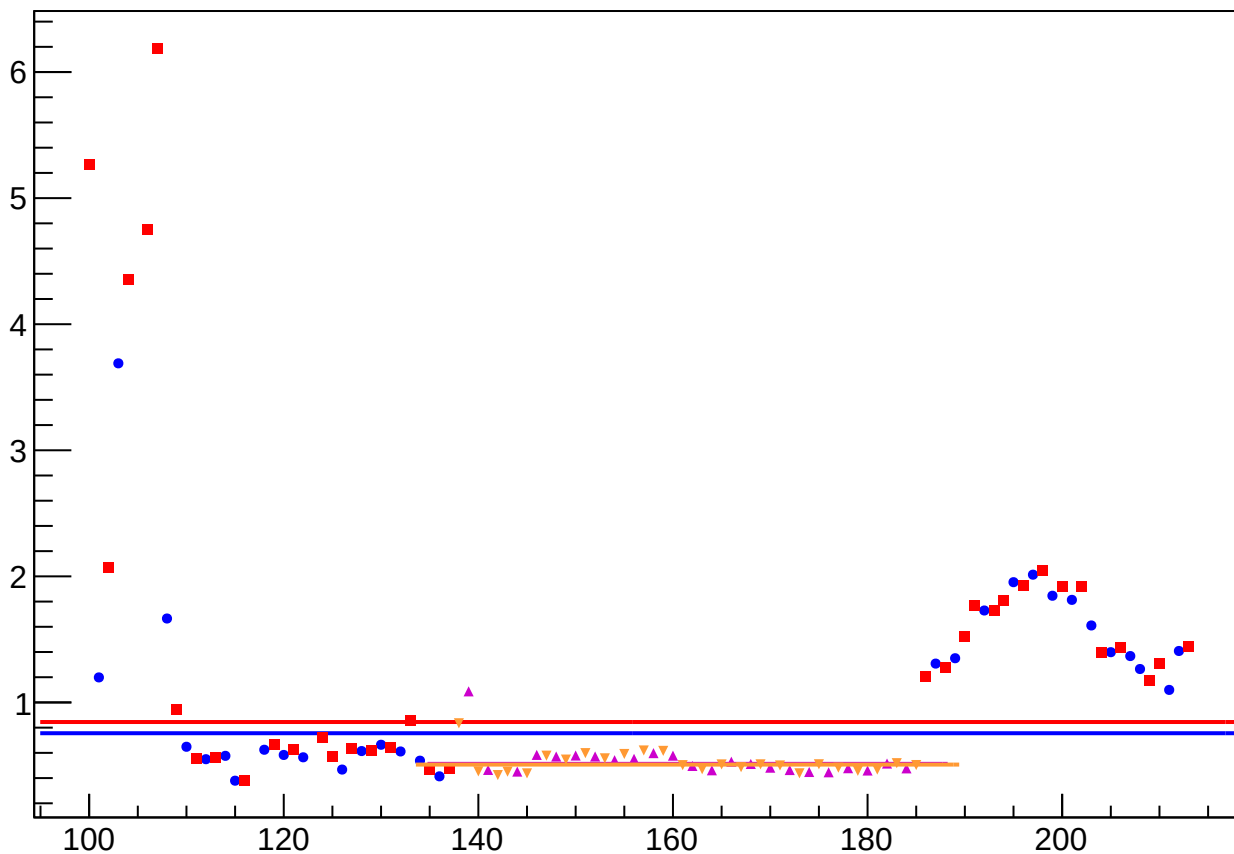
Left In: 0.732 ± 0.000 χ^2/NDF : 105135095.8/22

+ sign 0.100 ± 0.000 χ^2/NDF : 10116055252.0/53

All: 0.349 ± 0.000 χ^2/NDF : 13847519616.0/100

- sign 0.622 ± 0.000 χ^2/NDF : 3720864242.2/56

yield_cav4cX_rms vs Slug



Right In: 0.756 $\pm$ 0.000 χ^2 /NDF: 8055510.6/28

Left Out: 0.507 $\pm$ 0.000 χ^2 /NDF:554639.8/24

Right Out: 0.845 $\pm$ 0.000 χ^2 /NDF: 8799776.1/33

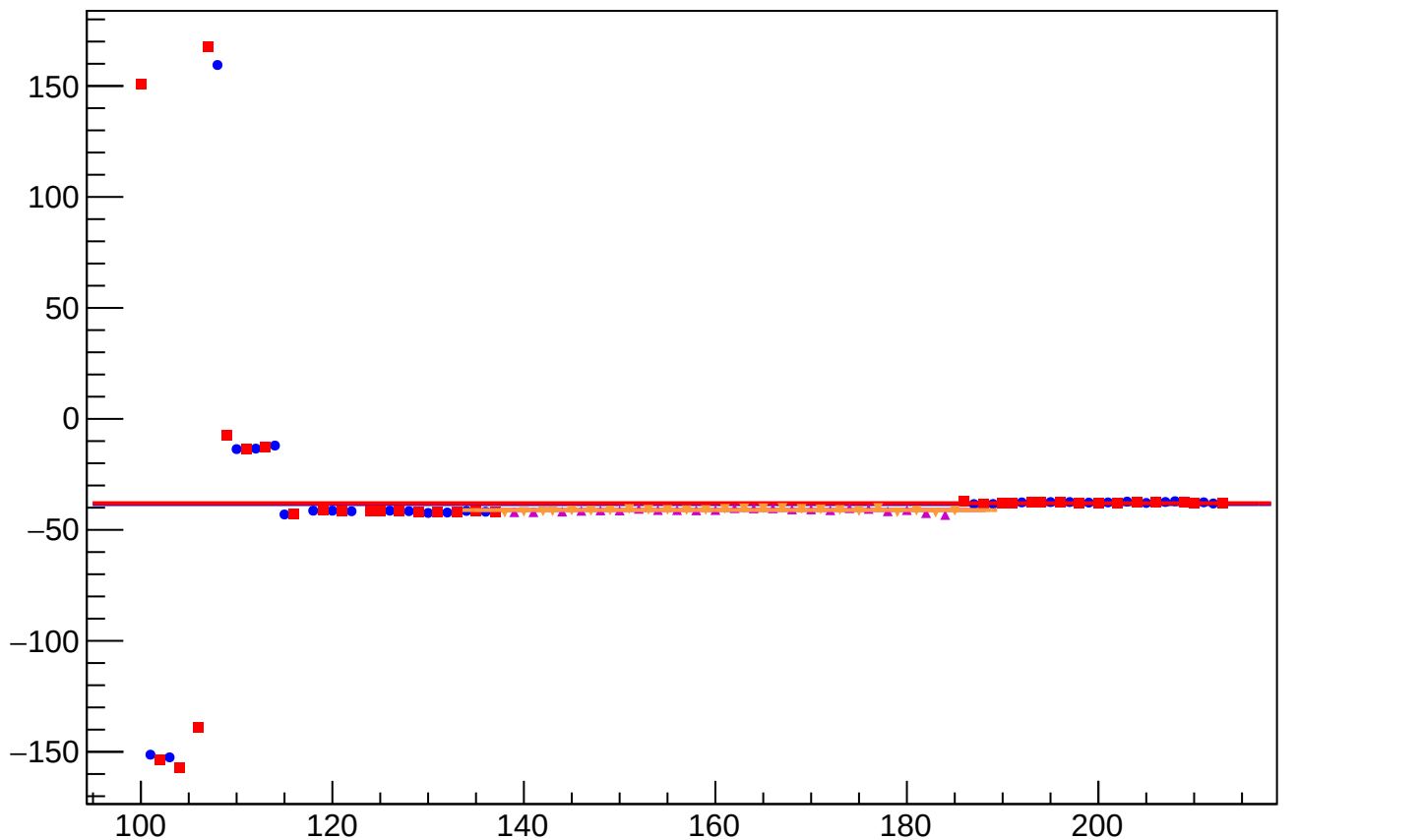
Left In: 0.513 $\pm$ 0.000 χ^2 /NDF:753419.6/22

+ sign 0.570 $\pm$ 0.000 χ^2 /NDF: 10509514.7/53

All: 0.581 $\pm$ 0.000 χ^2 /NDF: 23137877.7/110

- sign 0.594 $\pm$ 0.000 χ^2 /NDF: 12581790.5/56

yield_cav4cY_mean vs Slug



Right In: -38.378 ± 0.000 $\chi^2/\text{NDF}: 3619476641.4/28$

Left Out: -41.092 ± 0.000 $\chi^2/\text{NDF}: 60251030.2/24$

+ sign -40.202 ± 0.000 $\chi^2/\text{NDF}: 4060251170.3/53$

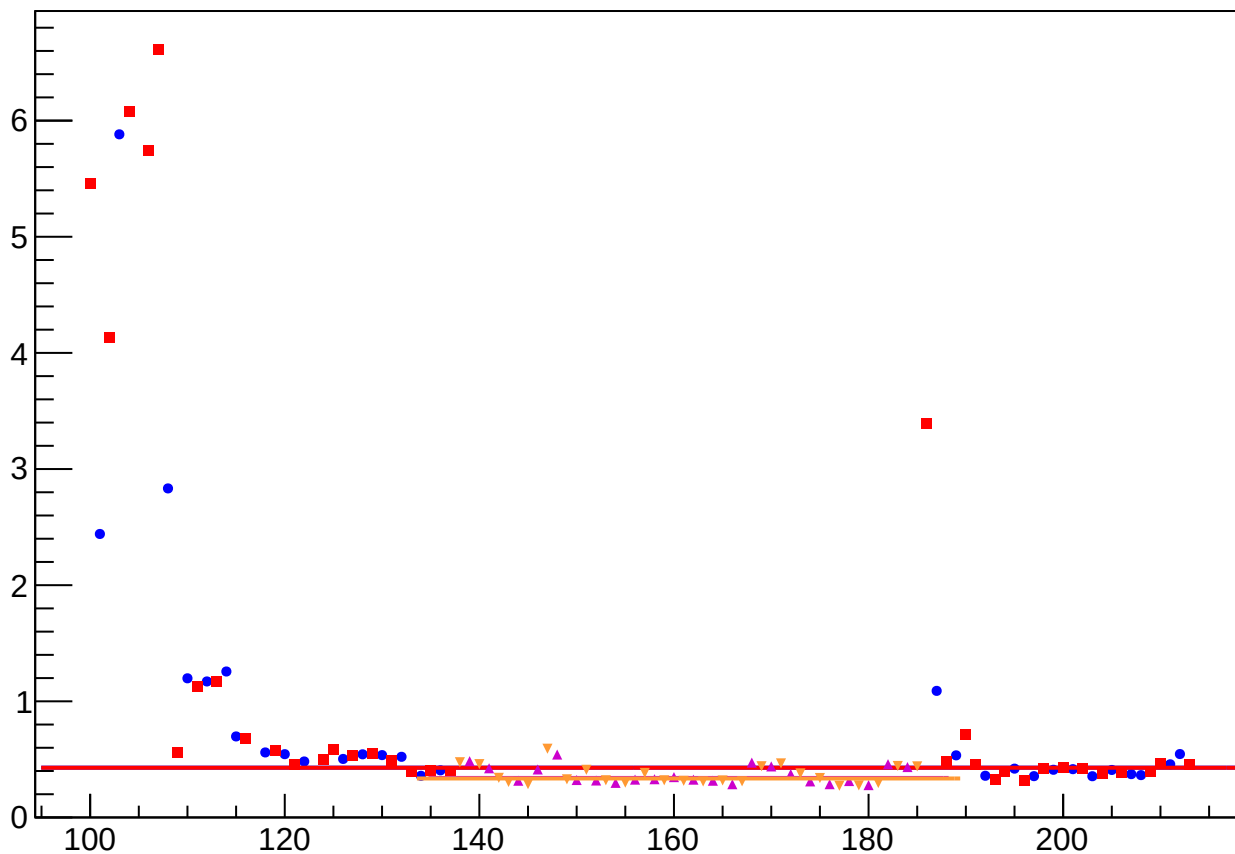
Right Out: -37.976 ± 0.000 $\chi^2/\text{NDF}: 2514486579.5/33$

All: -40.064 ± 0.000 $\chi^2/\text{NDF}: 7125223301.7/104$

Left In: -41.029 ± 0.000 $\chi^2/\text{NDF}: 51382147.2/22$

- sign -39.923 ± 0.000 $\chi^2/\text{NDF}: 3055988038.3/56$

yield_cav4cY_rms vs Slug



Right In: 0.429 $\pm$ 0.000 χ^2 /NDF: 3815875.7/28

Left Out: 0.336 $\pm$ 0.000 χ^2 /NDF:1238006.0/24

Right Out: 0.428 $\pm$ 0.000 χ^2 /NDF: 4705574.9/33

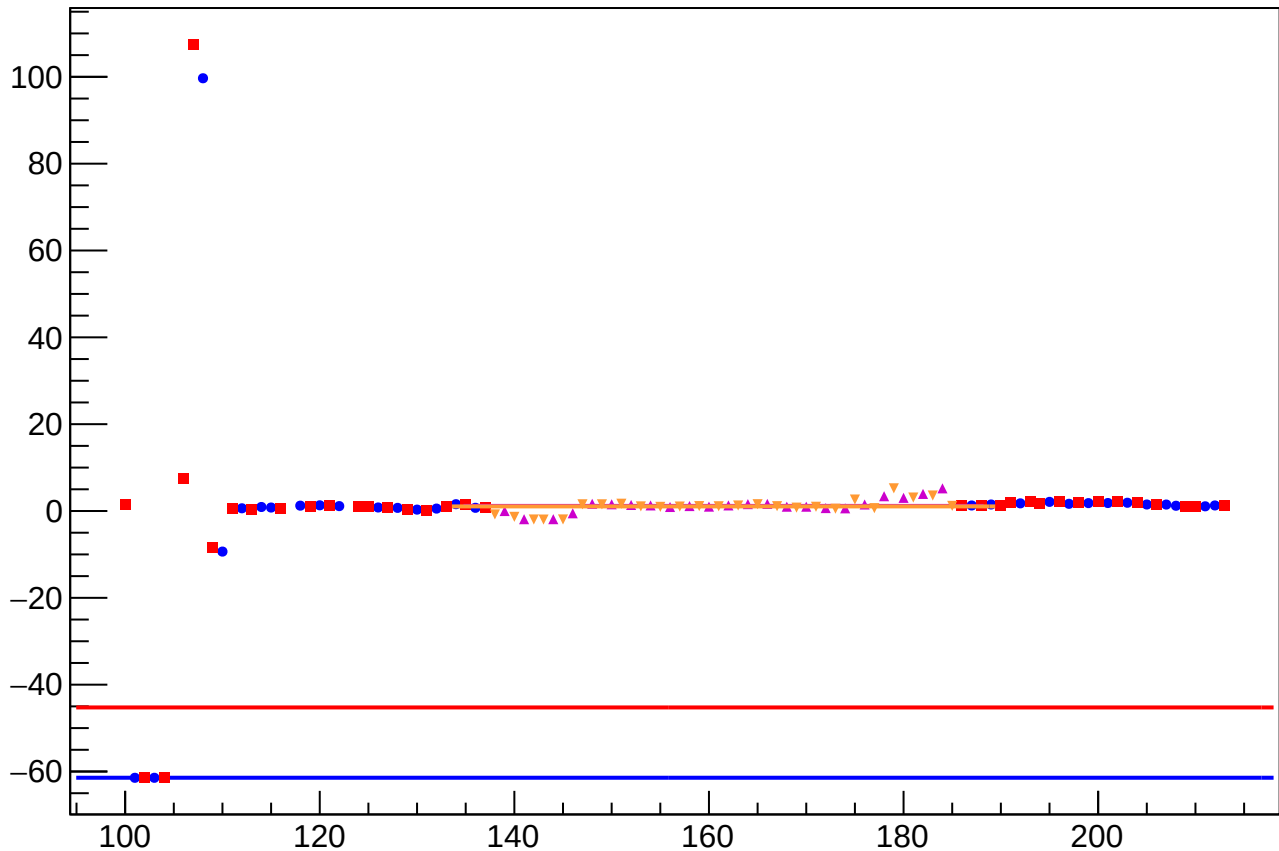
Left In: 0.340 $\pm$ 0.000 χ^2 /NDF:1065343.8/22

+ sign 0.366 $\pm$ 0.000 χ^2 /NDF: 5949313.6/53

All: 0.369 $\pm$ 0.000 χ^2 /NDF: 12539398.2/110

- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 6582102.8/56

yield_cav4dX_mean vs Slug



Right In: -61.435 ± 0.000 χ^2/NDF : 296865184910.6/28

Left Out: 1.059 ± 0.000 χ^2/NDF : 253133917.4/24

Right Out: -45.244 ± 0.000 χ^2/NDF : 357884536962924.6/33

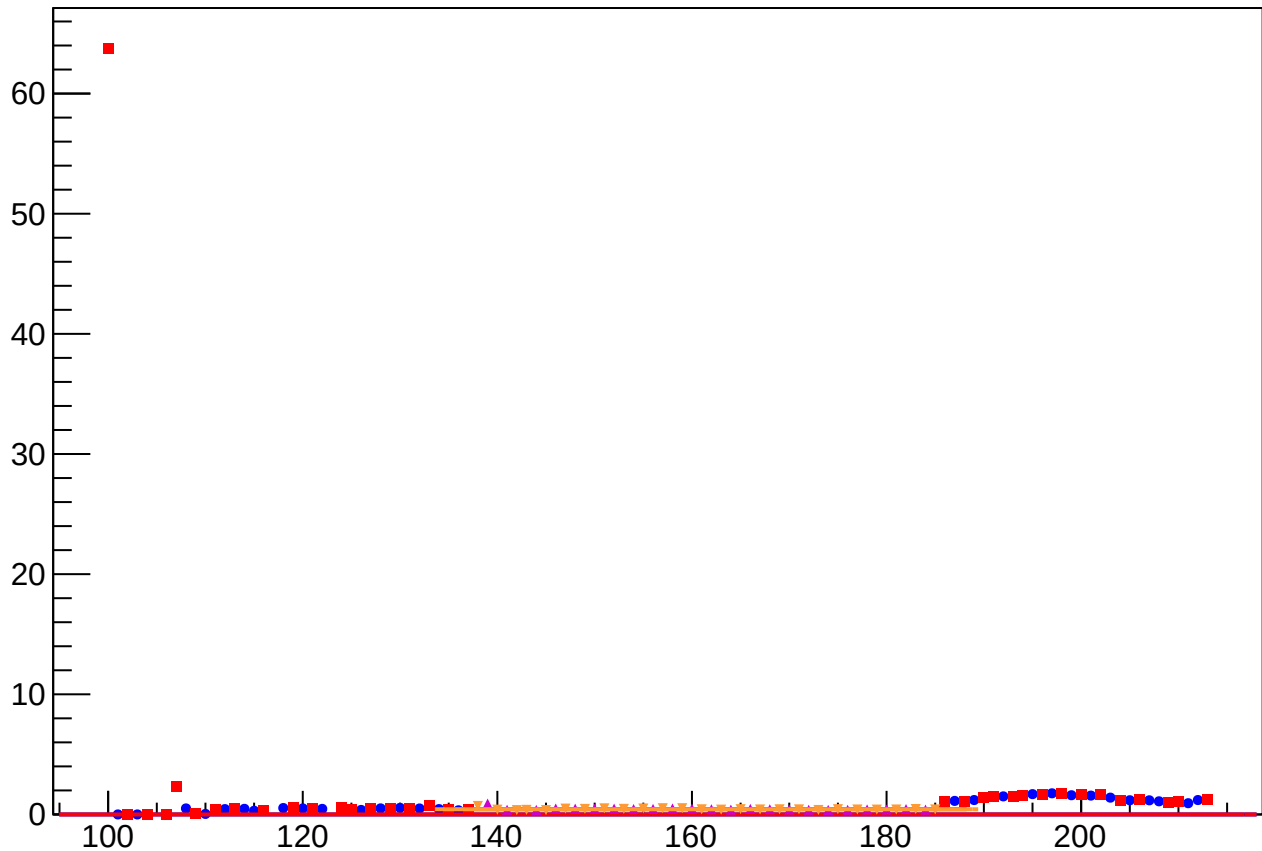
Left In: 1.175 ± 0.000 χ^2/NDF : 182397676.2/22

+ sign -61.420 ± 0.000 χ^2/NDF : 626863025336.2/5

All: -52.737 ± 0.000 χ^2/NDF : 409627815552

- sign -45.236 ± 0.000 χ^2/NDF : 358051098695563

yield_cav4dX_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 28894671.7/28

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:527546.3/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 31679369.5/33

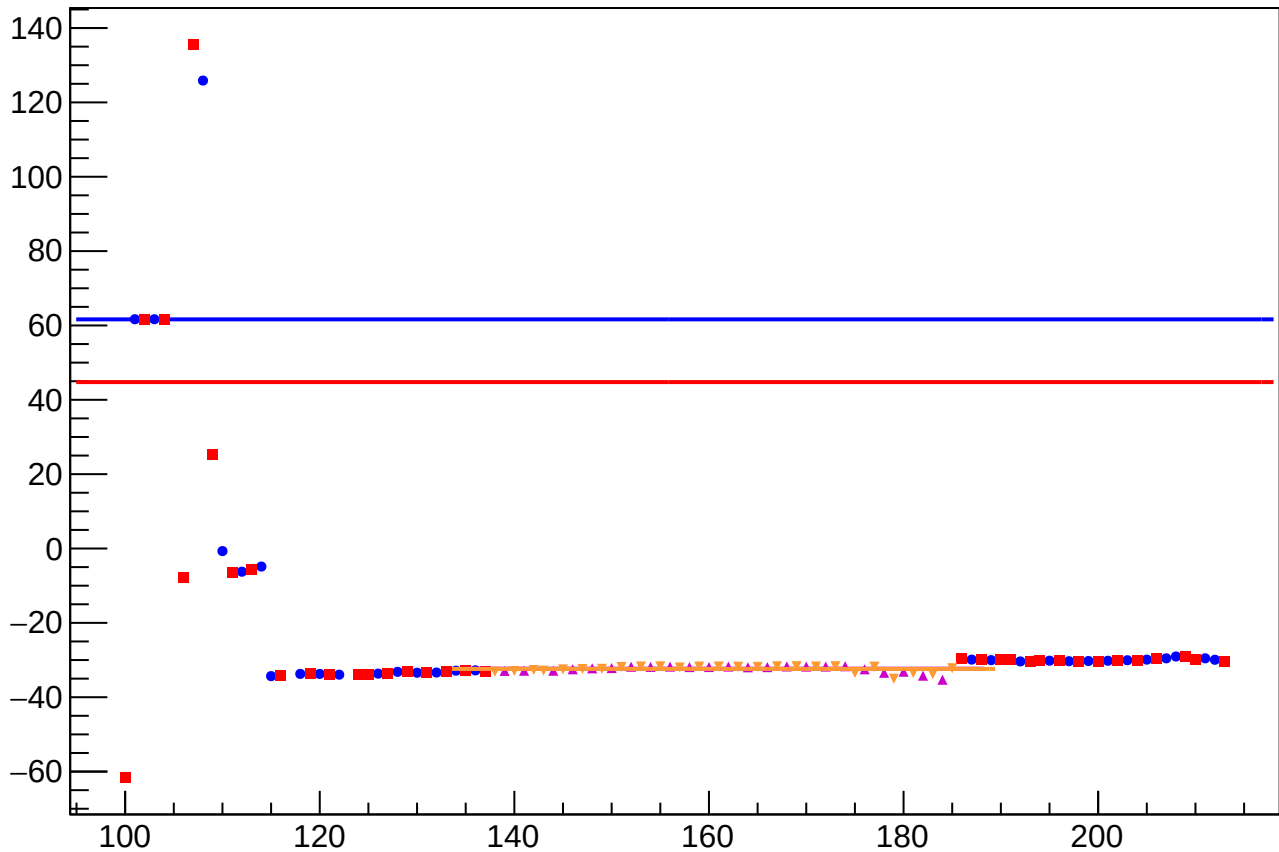
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:698702.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 60657427.7/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 122477651.5/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 61820018.7/56

yield_cav4dY_mean vs Slug



Right In: 61.639 $\pm$ 0.000 χ^2 /NDF: 1084745263022.9/28

Left Out: -32.386 $\pm$ 0.000 χ^2 /NDF: 172024234.9/24

Right Out: 44.768 $\pm$ 0.000 χ^2 /NDF: 366595661310969.9/33

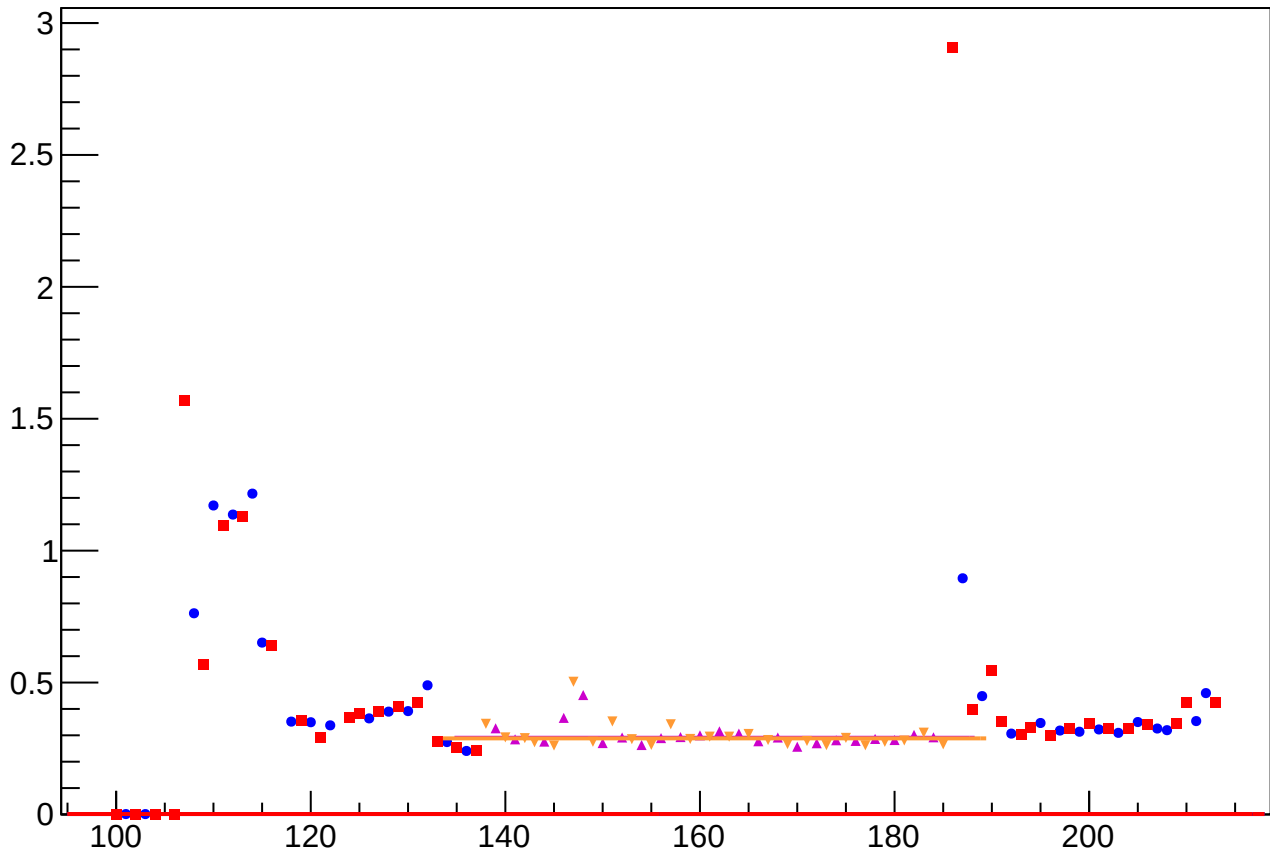
Left In: -32.325 $\pm$ 0.000 χ^2 /NDF: 118654391.5/22

+ sign 61.577 $\pm$ 0.000 χ^2 /NDF: 3041915648862.7/5

All: 52.618 $\pm$ 0.000 χ^2 /NDF: 421855669928

- sign 44.727 $\pm$ 0.000 χ^2 /NDF: 367822921435423.9

yield_cav4dY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 30406912.9/28

Left Out: 0.288 $\pm$ 0.000 χ^2 /NDF:522979.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 32568058.3/33

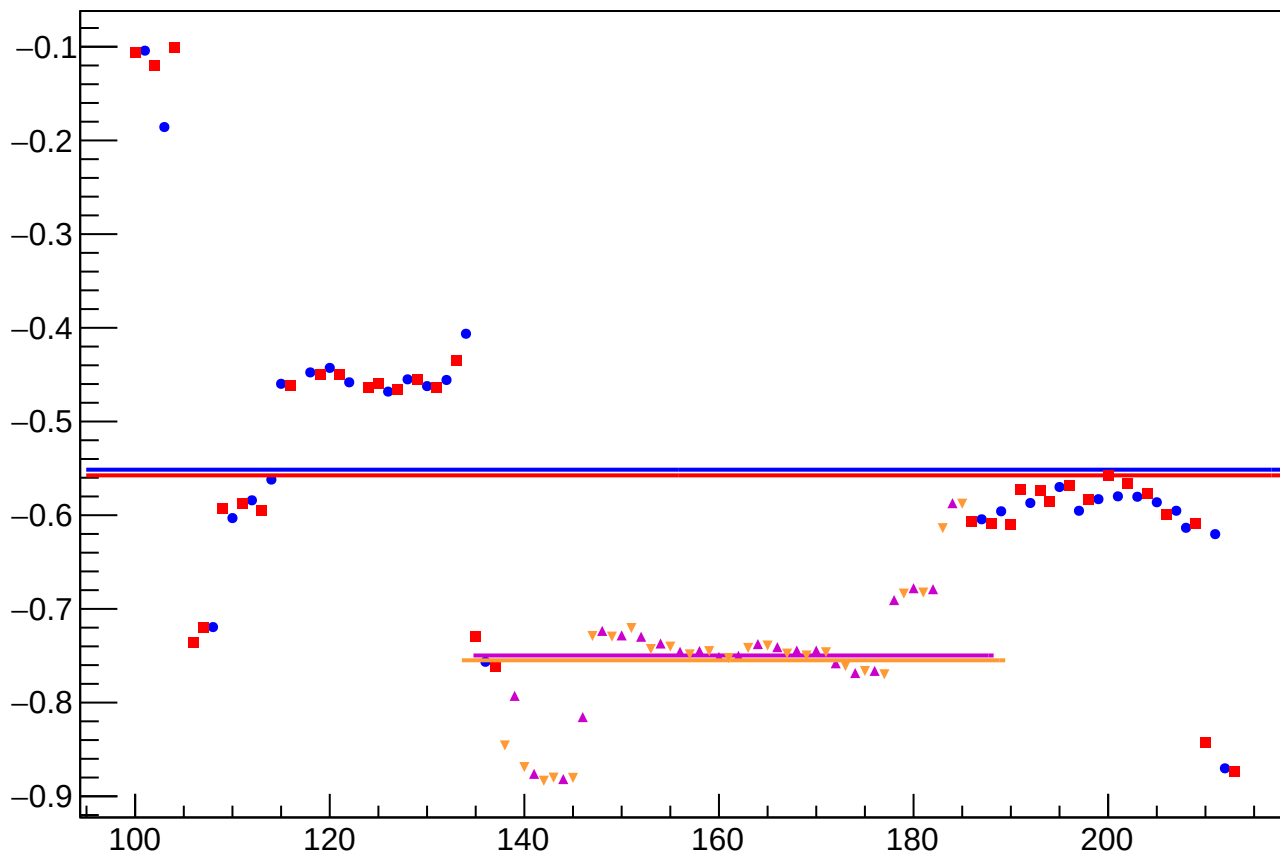
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:387524.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 67348857.1/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 134806268.7/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 67457300.2/56

yield_bpm4aX_mean vs Slug



Right In: -0.551+/-0.000 χ^2 /NDF: 334842517.1/28

Left Out: -0.755+/-0.000 χ^2 /NDF:212643091.8/24

Right Out: -0.557+/-0.000 χ^2 /NDF: 273961629.9/33

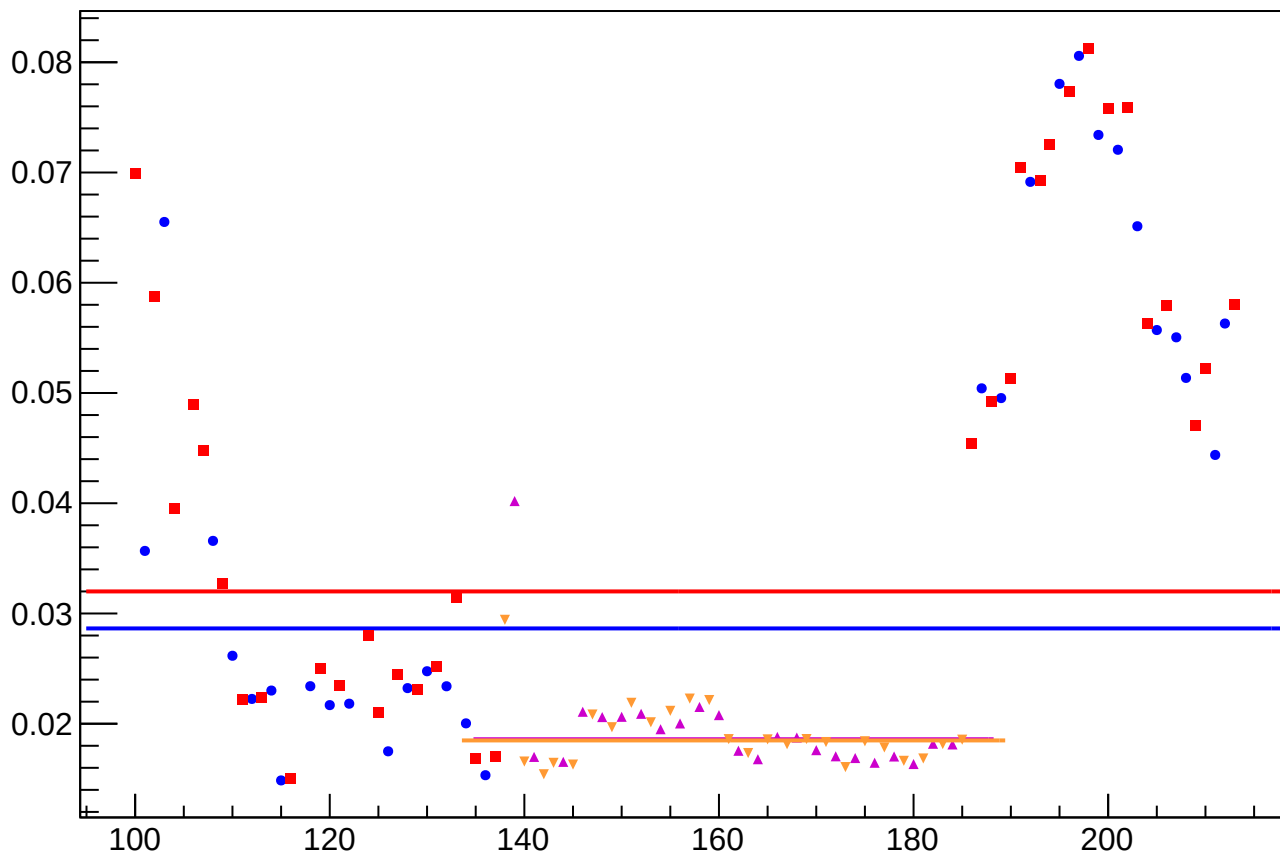
Left In: -0.750+/-0.000 χ^2 /NDF:140839352.1/22

+ sign -0.706+/-0.000 χ^2 /NDF: 1000479111.0/53

All: -0.705+/-0.000 χ^2 /NDF: 1785167646.9/1

- sign -0.704+/-0.000 χ^2 /NDF: 784600319.8/56

yield_bpm4aX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 8053725.7/28

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:491665.0/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7997063.6/33

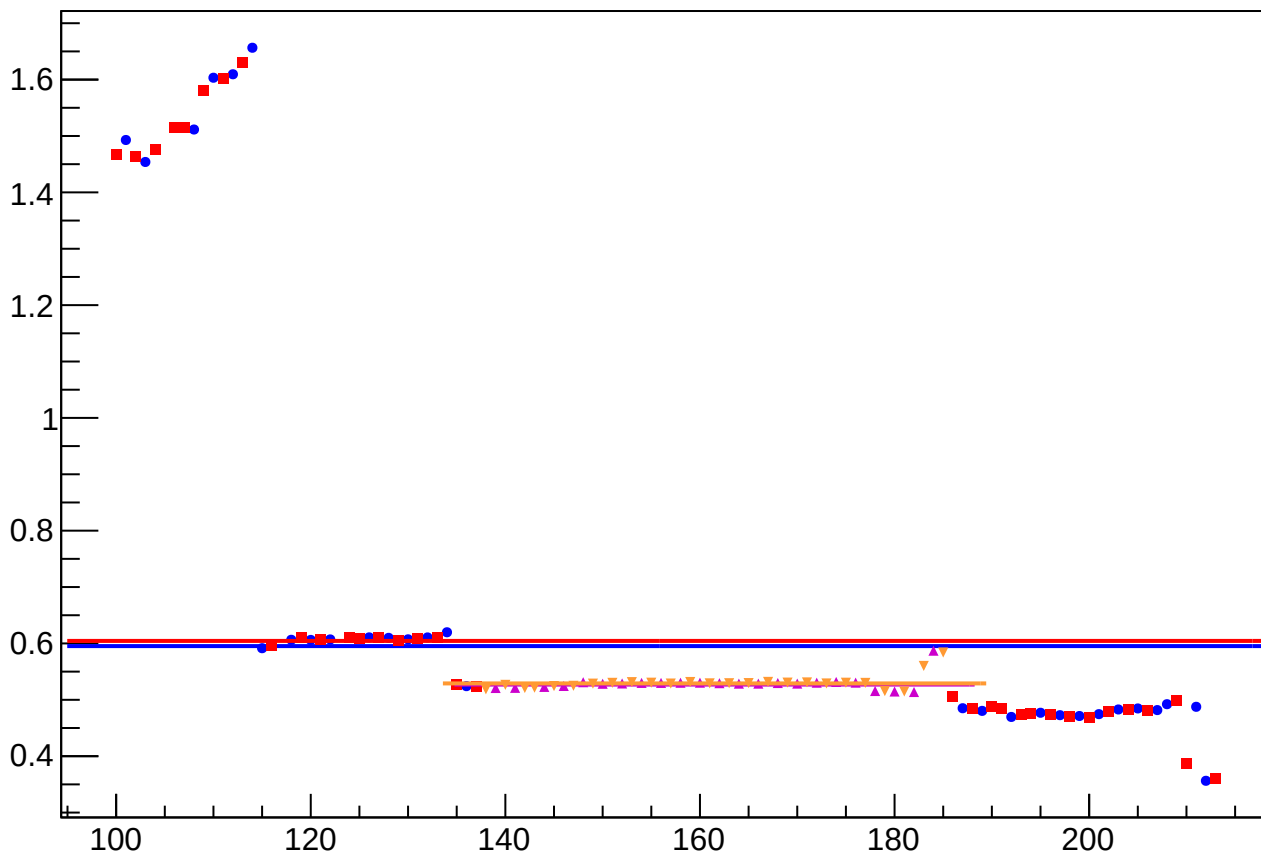
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:739183.3/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10804261.3/53

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 23177856.4/110

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12333197.6/56

yield_bpm4aY_mean vs Slug



Right In: 0.595 $\pm$ 0.000 χ^2 /NDF: 5804043456.9/28

Left Out: 0.529 $\pm$ 0.000 χ^2 /NDF:16236836.5/24

Right Out: 0.604 $\pm$ 0.000 χ^2 /NDF: 6902583936.4/33

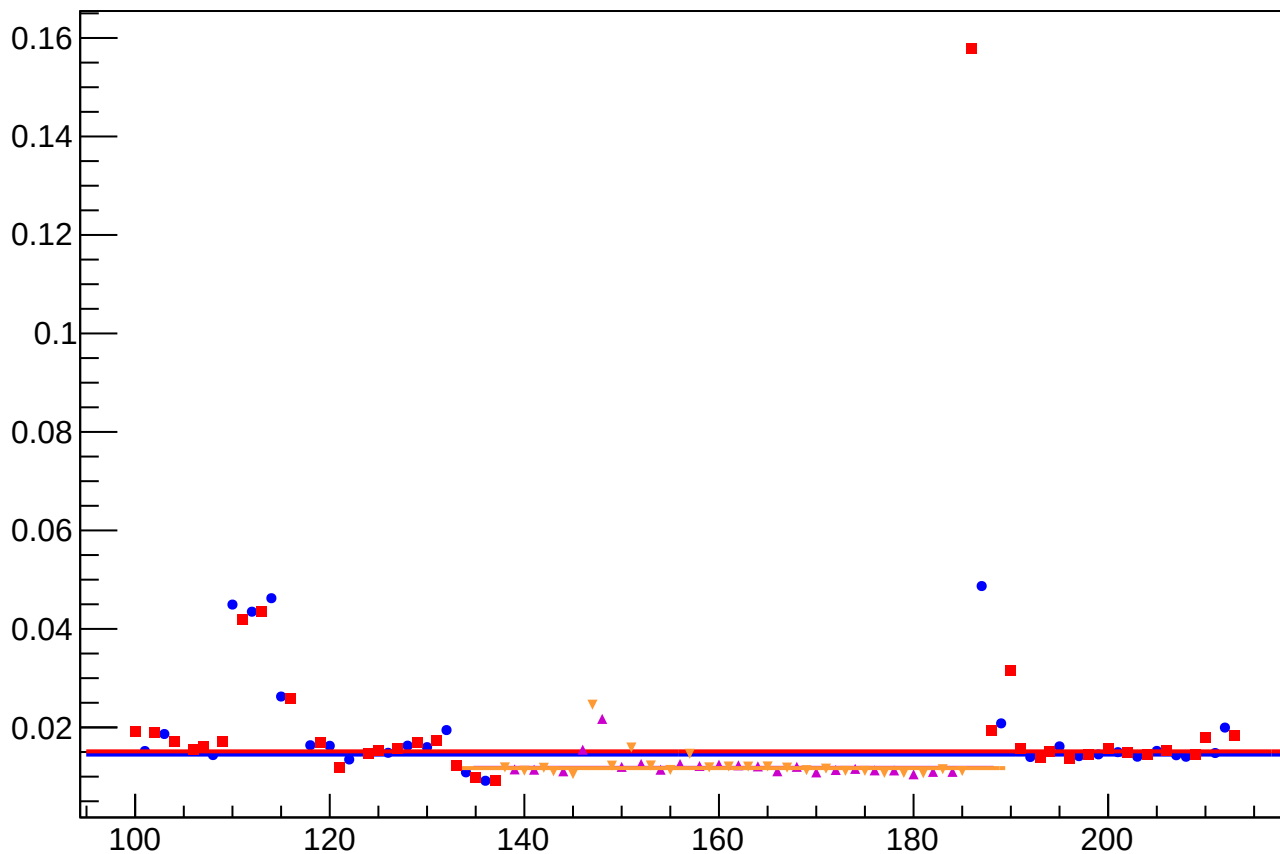
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF:13035326.4/22

+ sign 0.553 $\pm$ 0.000 χ^2 /NDF: 6029250030.3/53

All: 0.554 $\pm$ 0.000 χ^2 /NDF: 13224446901.9/100

- sign 0.555 $\pm$ 0.000 χ^2 /NDF: 7194327316.1/56

yield_bpm4aY_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 2093954.7/28

Left Out: 0.012 ± 0.000 χ^2/NDF : 699878.1/24

Right Out: 0.015 ± 0.000 χ^2/NDF : 2487291.7/33

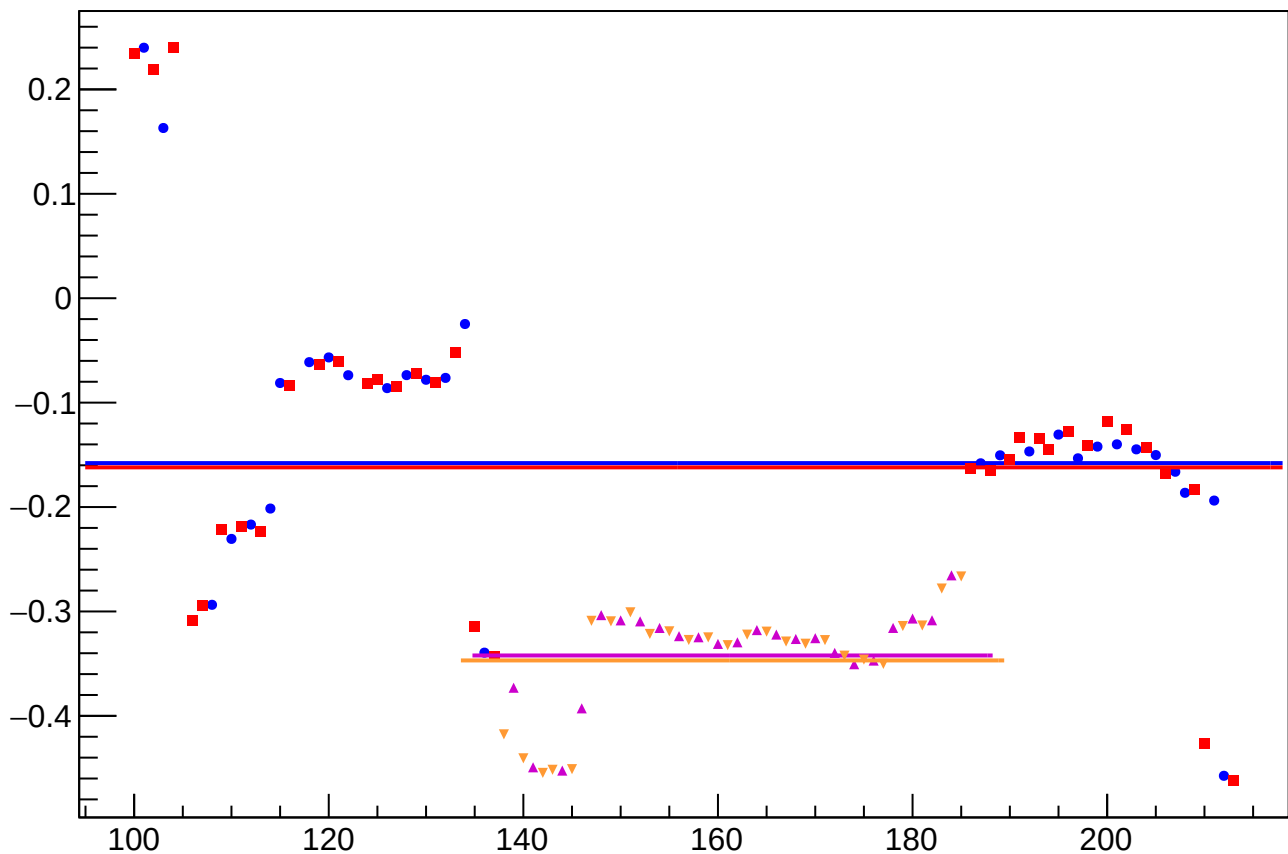
Left In: 0.012 ± 0.000 χ^2/NDF : 519826.8/22

+ sign 0.013 ± 0.000 χ^2/NDF : 3512554.6/53

All: 0.013 ± 0.000 χ^2/NDF : 7578113.0/110

- sign 0.013 ± 0.000 χ^2/NDF : 4045696.9/56

yield_bpm4eX_mean vs Slug



Right In: -0.158 $\pm$ 0.000 χ^2 /NDF: 303983365.1/28

Left Out: -0.347 $\pm$ 0.000 χ^2 /NDF:125890246.2/24

Right Out: -0.162 $\pm$ 0.000 χ^2 /NDF: 252902894.2/33

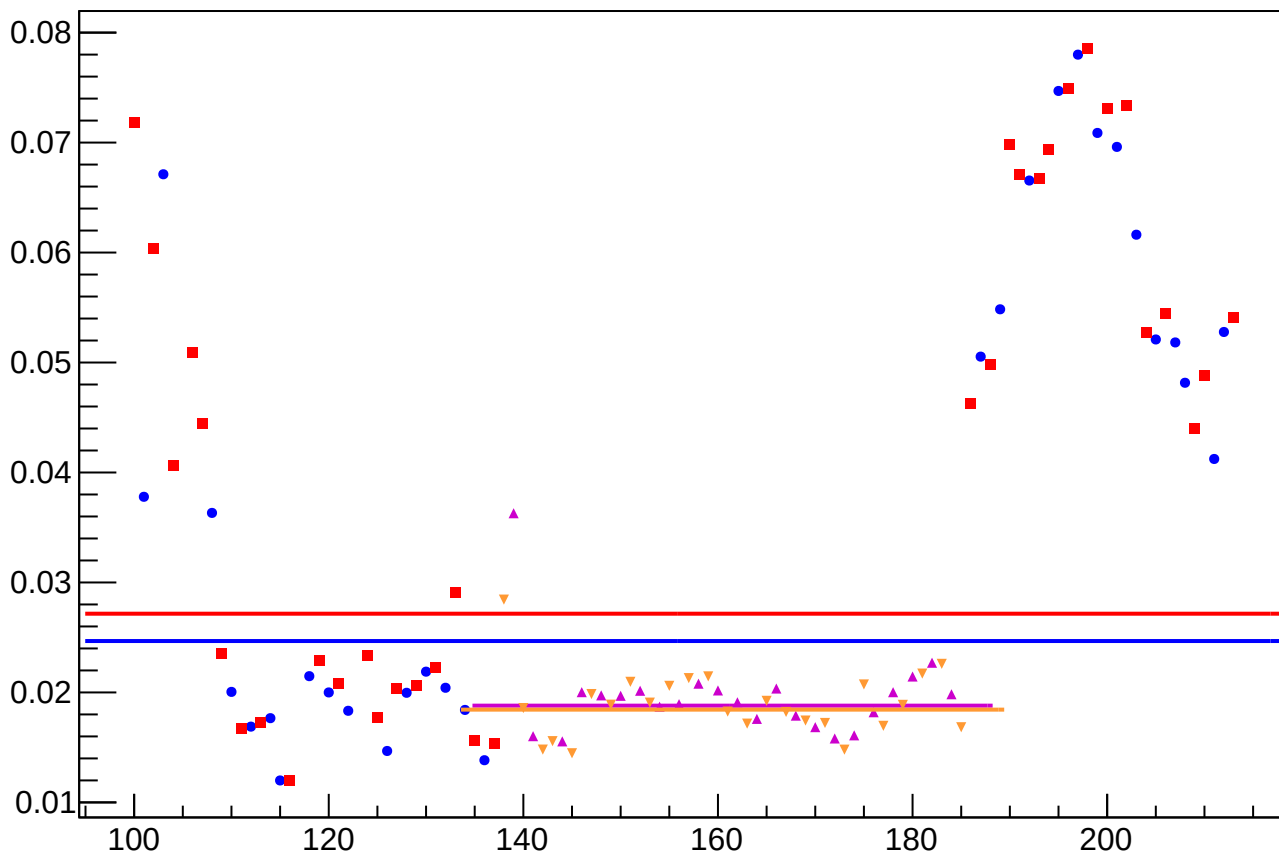
Left In: -0.342 $\pm$ 0.000 χ^2 /NDF:88220744.3/22

+ sign -0.293 $\pm$ 0.000 χ^2 /NDF: 901759063.7/53

All: -0.292 $\pm$ 0.000 χ^2 /NDF: 1637519371.8/1

- sign -0.291 $\pm$ 0.000 χ^2 /NDF: 735520942.7/56

yield_bpm4eX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 9256603.3/28

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:640029.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 9714426.8/33

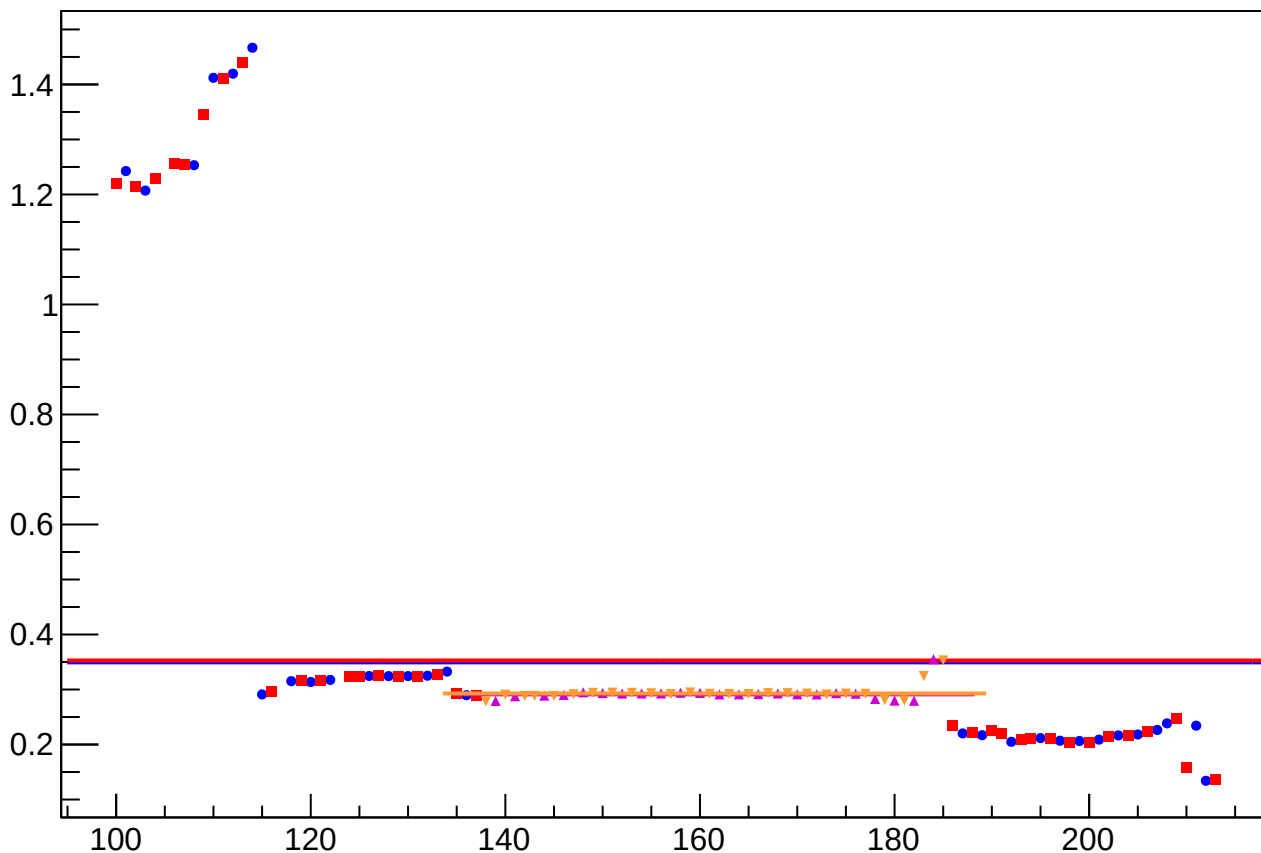
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:718726.0/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 10925031.1/53

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 23117754.3/110

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12132064.2/56

yield_bpm4eY_mean vs Slug



Right In: 0.349 $\pm$ 0.000 χ^2 /NDF: 8496932404.3/28

Left Out: 0.293 $\pm$ 0.000 χ^2 /NDF:17281571.0/24

Right Out: 0.353 $\pm$ 0.000 χ^2 /NDF: 9559136217.6/33

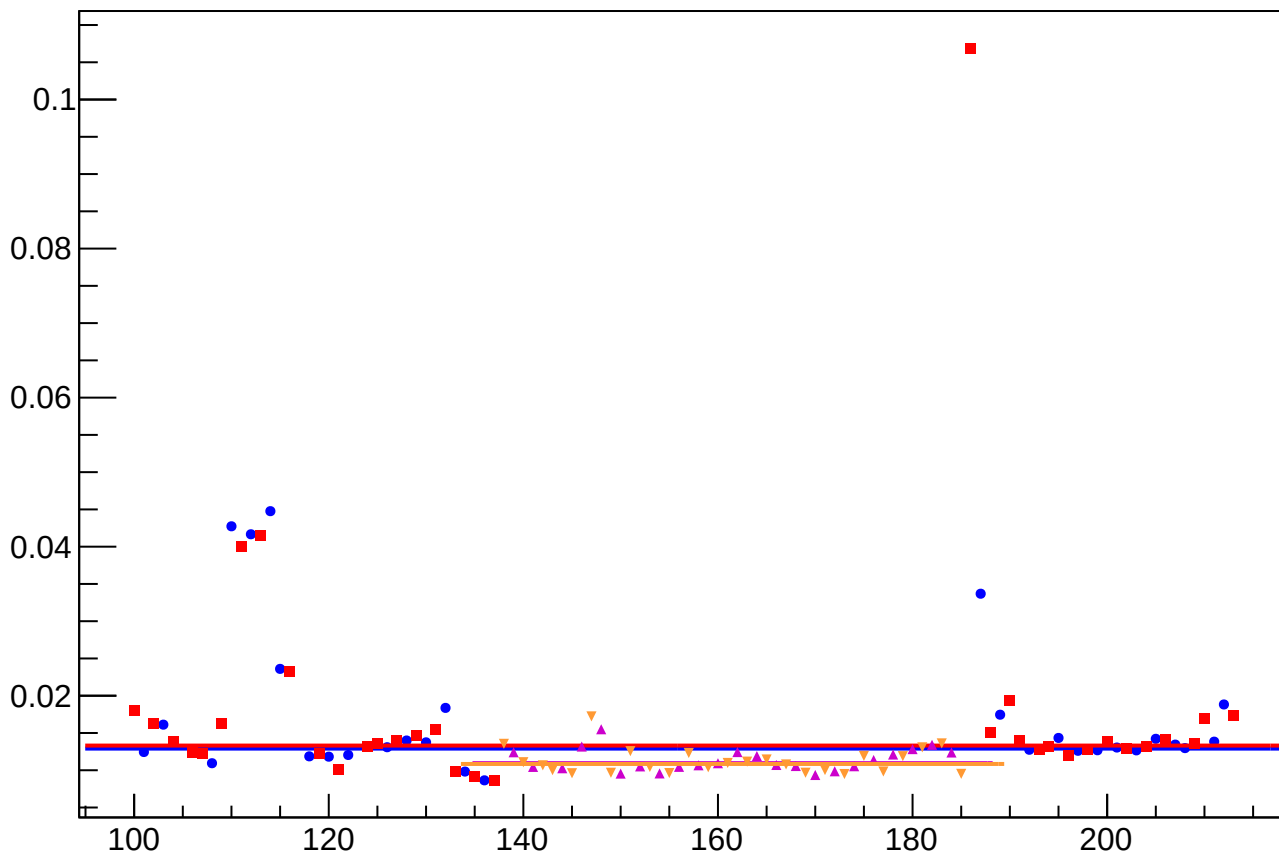
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:10282762.1/22

+ sign 0.314 $\pm$ 0.000 χ^2 /NDF: 8700236336.8/53

All: 0.315 $\pm$ 0.000 χ^2 /NDF: 18486953965.4/100

- sign 0.316 $\pm$ 0.000 χ^2 /NDF: 9786428676.7/56

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1962397.5/28

Left Out: 0.011+/-0.000 χ^2/NDF : 654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2361498.1/33

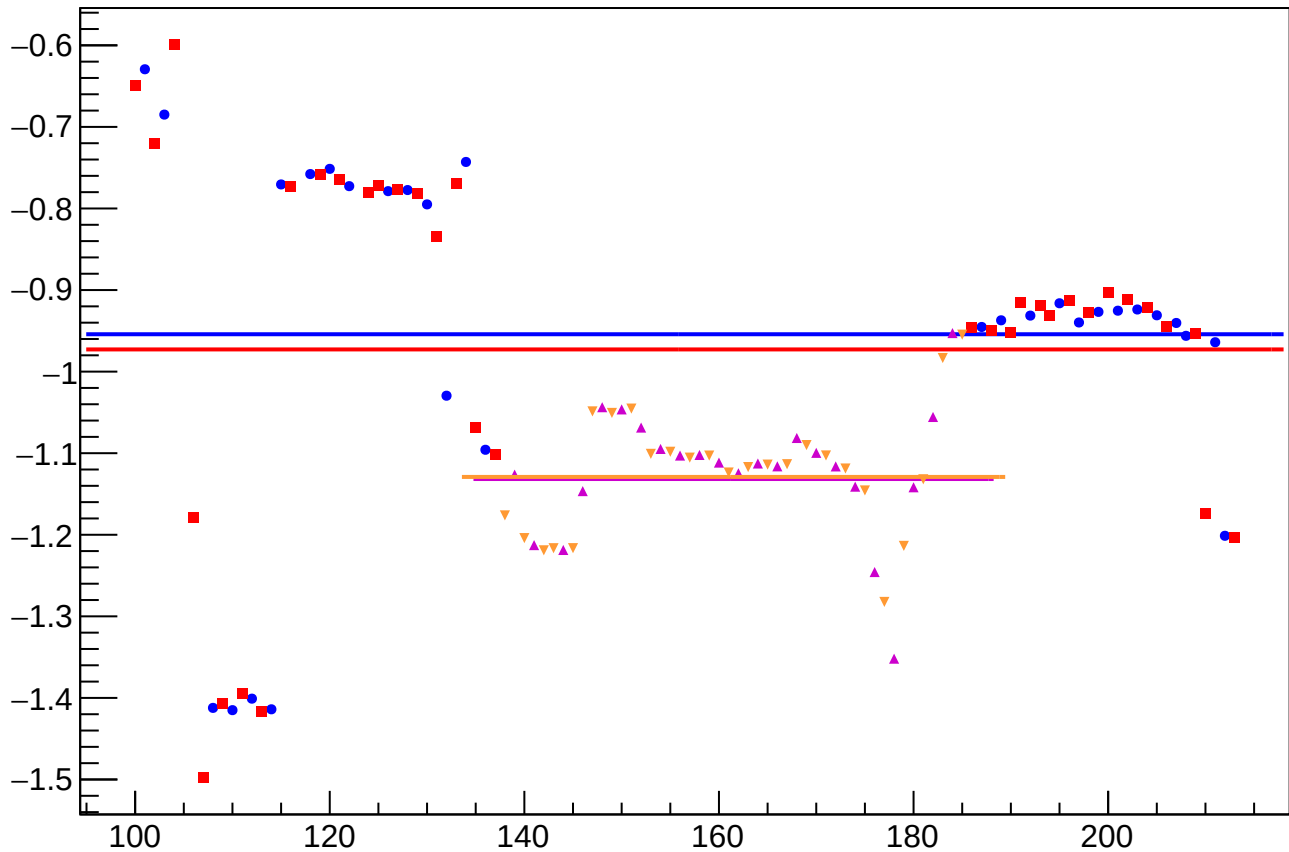
Left In: 0.011+/-0.000 χ^2/NDF : 512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF : 3112225.4/53

All: 0.012+/-0.000 χ^2/NDF : 6638034.0/110

- sign 0.012+/-0.000 χ^2/NDF : 3507910.6/56

yield_bpm4acX_mean vs Slug



Right In: -0.954 ± 0.000 χ^2/NDF : 716625176.6/28

Left Out: -1.129 ± 0.000 χ^2/NDF : 238152679.4/24

Right Out: -0.973 ± 0.000 χ^2/NDF : 746342437.2/33

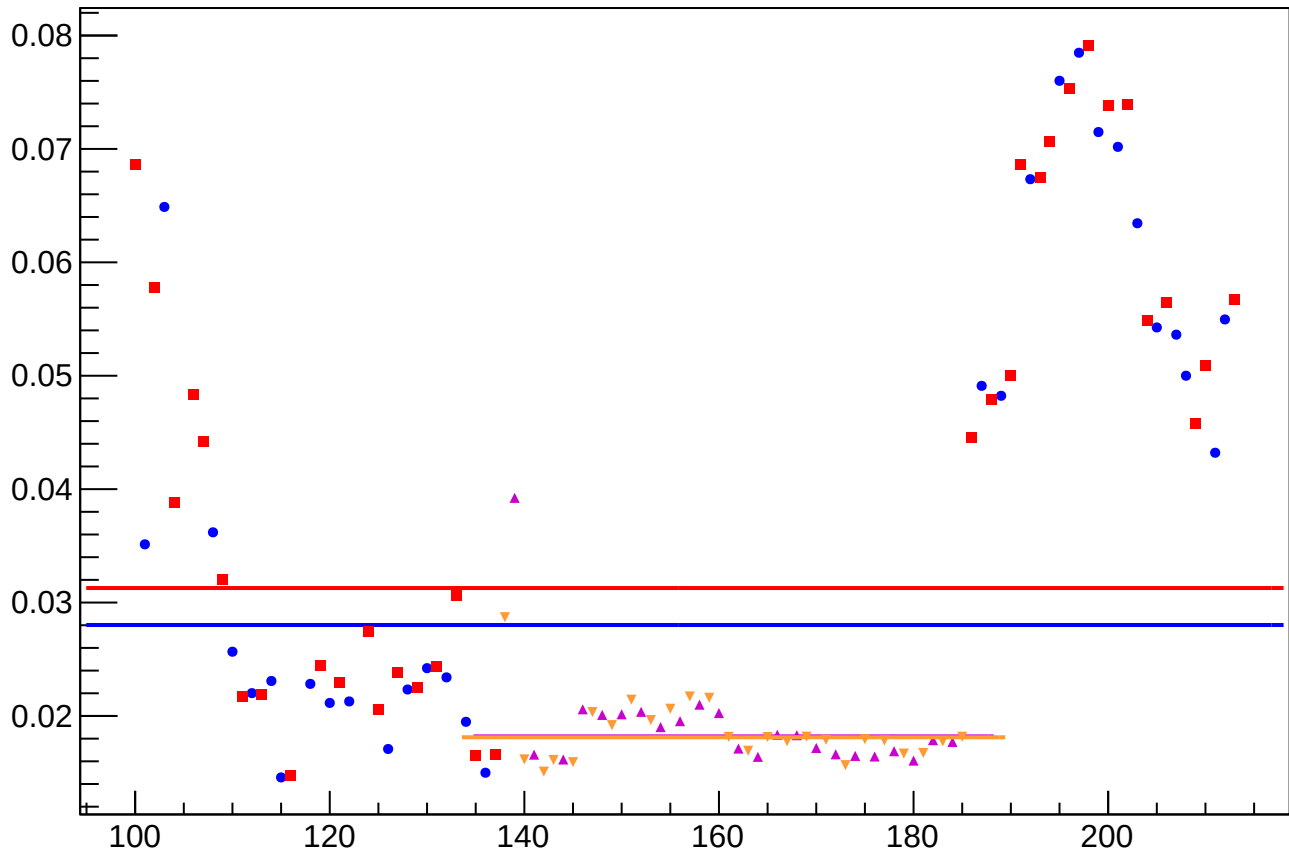
Left In: -1.132 ± 0.000 χ^2/NDF : 260075820.5/22

+ sign -1.087 ± 0.000 χ^2/NDF : 1304561651.3/53

All: -1.090 ± 0.000 χ^2/NDF : 2576621640.6/1

- sign -1.094 ± 0.000 χ^2/NDF : 1270535961.1/56

yield_bpm4acX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 8026744.7/28

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 474004.4/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 7969097.6/33

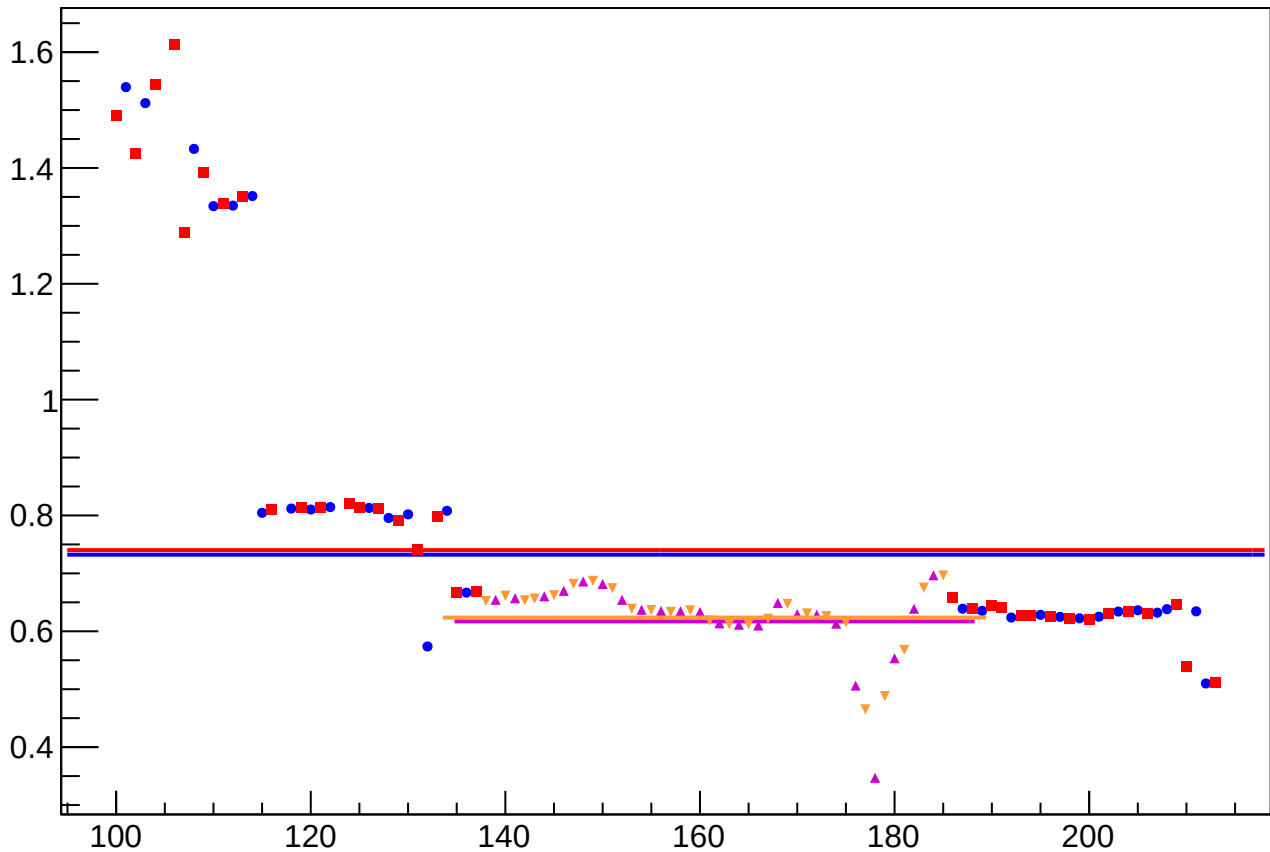
Left In: 0.018 $\pm$ 0.000 χ^2 /NDF: 723957.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 10742464.9/53

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 23053956.8/110

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12274146.6/56

yield_bpm4acY_mean vs Slug



Right In: 0.732 $\pm$ 0.000 χ^2 /NDF: 4002689002.6/28

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF: 400613435.2/24

Right Out: 0.740 $\pm$ 0.000 χ^2 /NDF: 4481498131.9/33

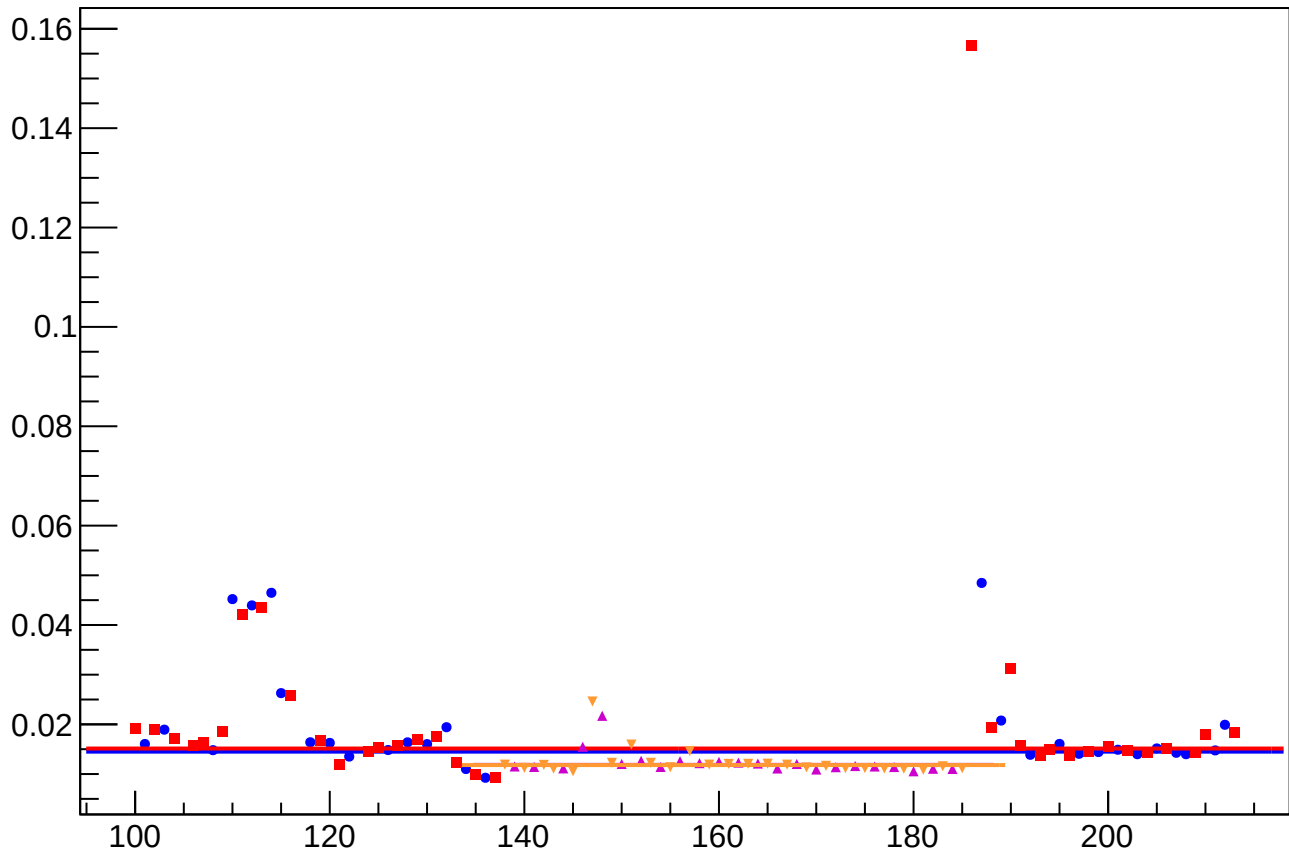
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF: 646297442.3/22

+ sign 0.662 $\pm$ 0.000 χ^2 /NDF: 4960594115.8/53

All: 0.662 $\pm$ 0.000 χ^2 /NDF: 10789169430.4/107

- sign 0.663 $\pm$ 0.000 χ^2 /NDF: 5828574317.0/56

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 2074103.5/28

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:673680.7/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2492451.5/33

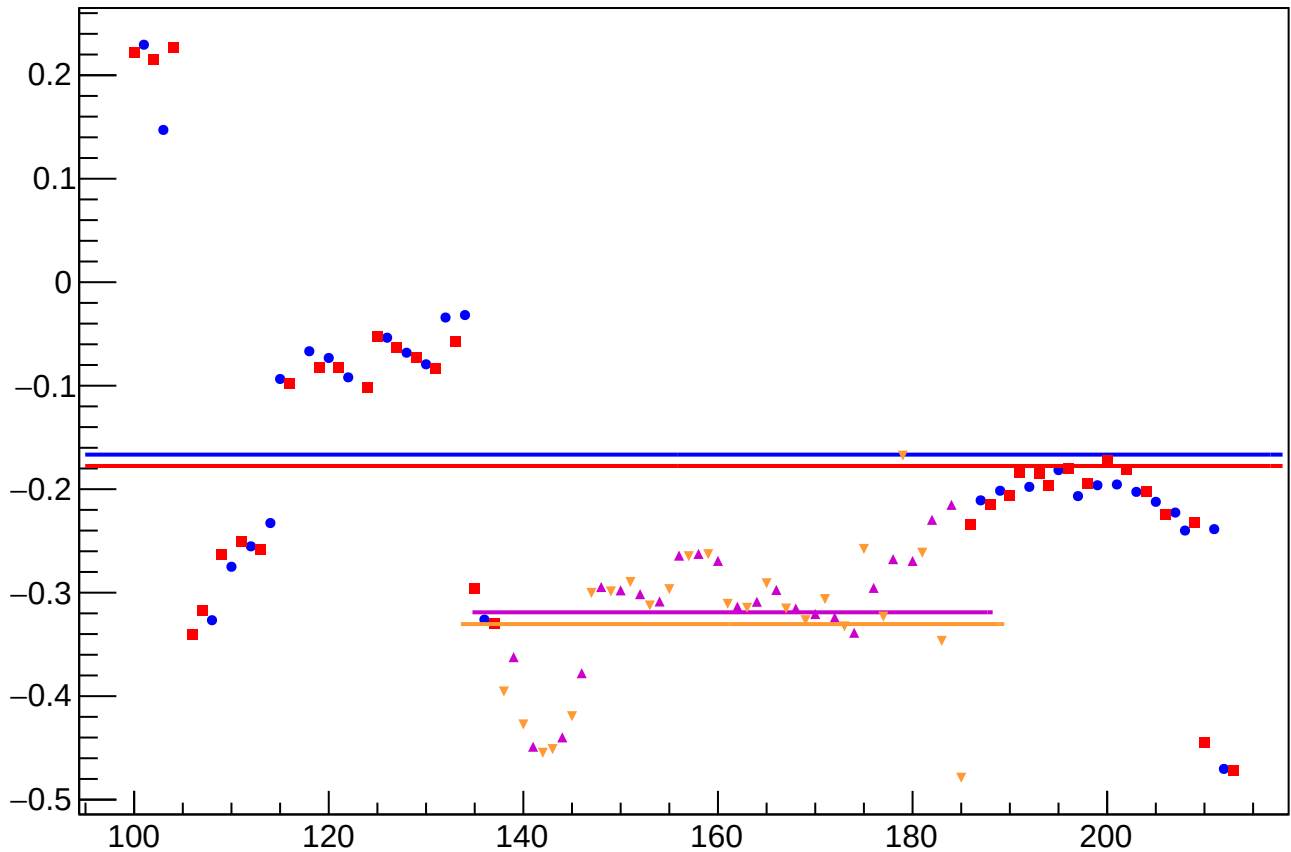
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:508762.0/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3438454.4/53

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 7457189.9/110

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4001747.5/56

yield_bpm4ecX_mean vs Slug



Right In: -0.167 ± 0.000 χ^2/NDF : 309807272.5/28

Left Out: -0.330 ± 0.000 χ^2/NDF : 182729419.2/24

+ sign -0.284 ± 0.000 χ^2/NDF : 837928090.8/53

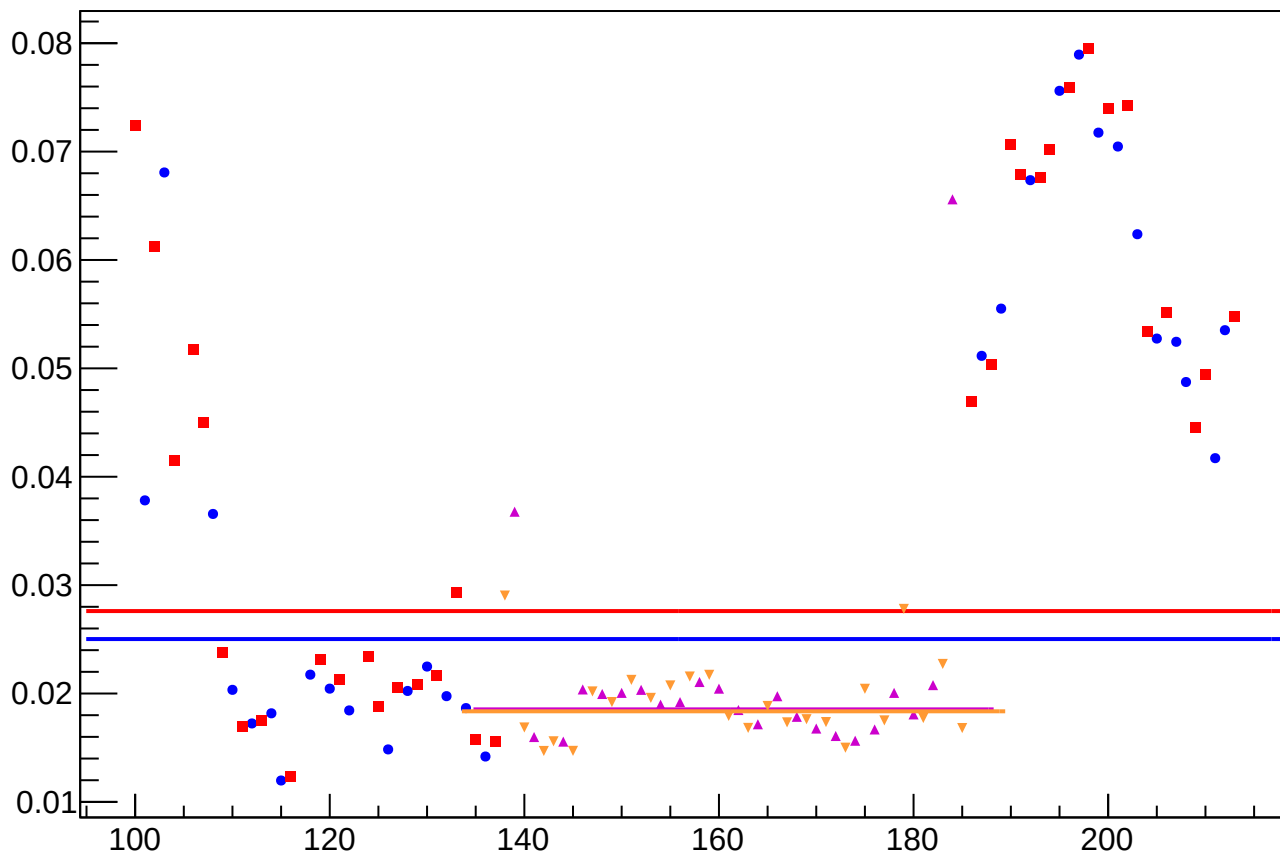
Right Out: -0.178 ± 0.000 χ^2/NDF : 252301532.8/33

All: -0.282 ± 0.000 χ^2/NDF : 1458915009.1/1

- sign -0.279 ± 0.000 χ^2/NDF : 620283840.2/56

Left In: -0.319 ± 0.000 χ^2/NDF : 130589173.8/22

yield_bpm4ecX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 9216342.8/28

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 737503.8/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9655022.1/33

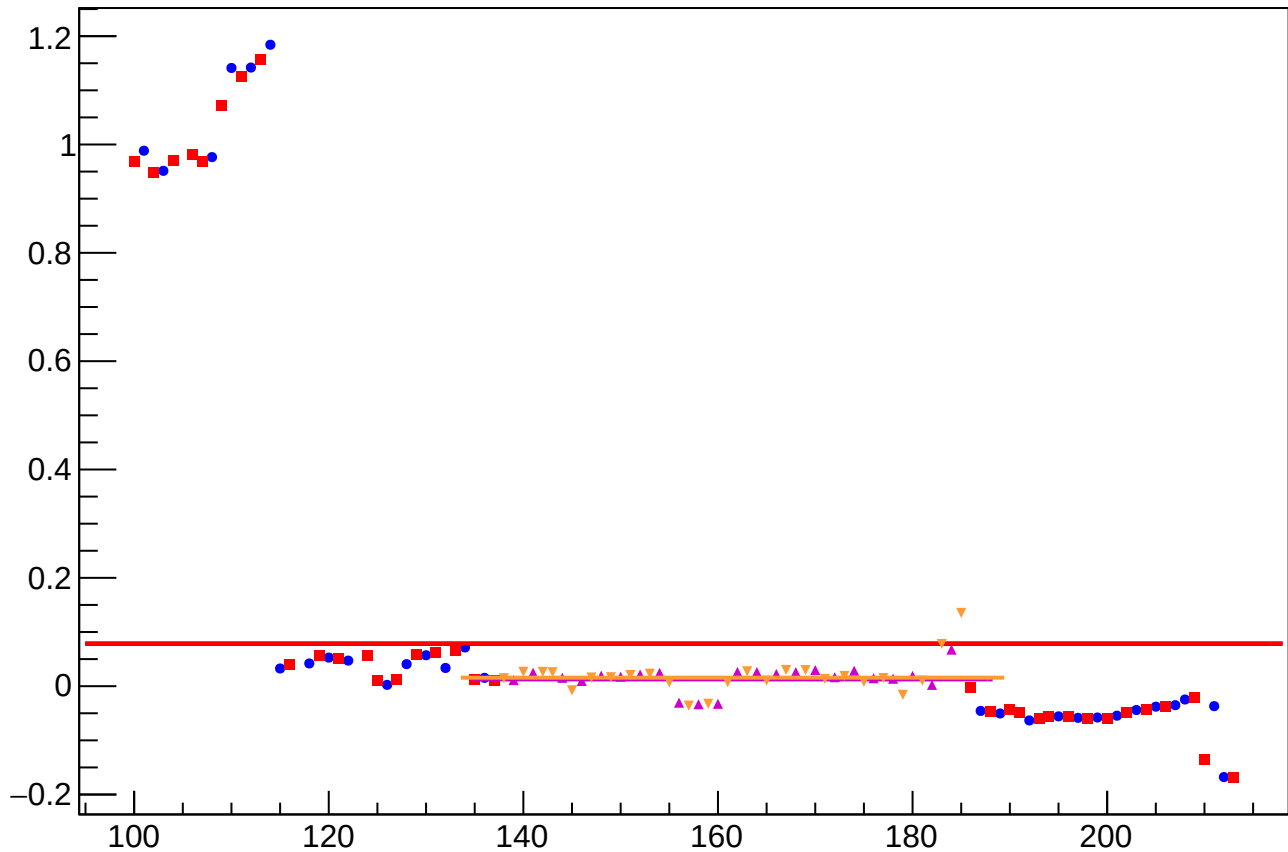
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 933807.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 11098174.5/53

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 23683468.0/110

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 12542289.1/56

yield_bpm4ecY_mean vs Slug



Right In: 0.078+/-0.000 χ^2/NDF : 8582819394.3/28

Left Out: 0.016+/-0.000 χ^2/NDF : 104485335.8/24

Right Out: 0.079+/-0.000 χ^2/NDF : 9511084125.2/33

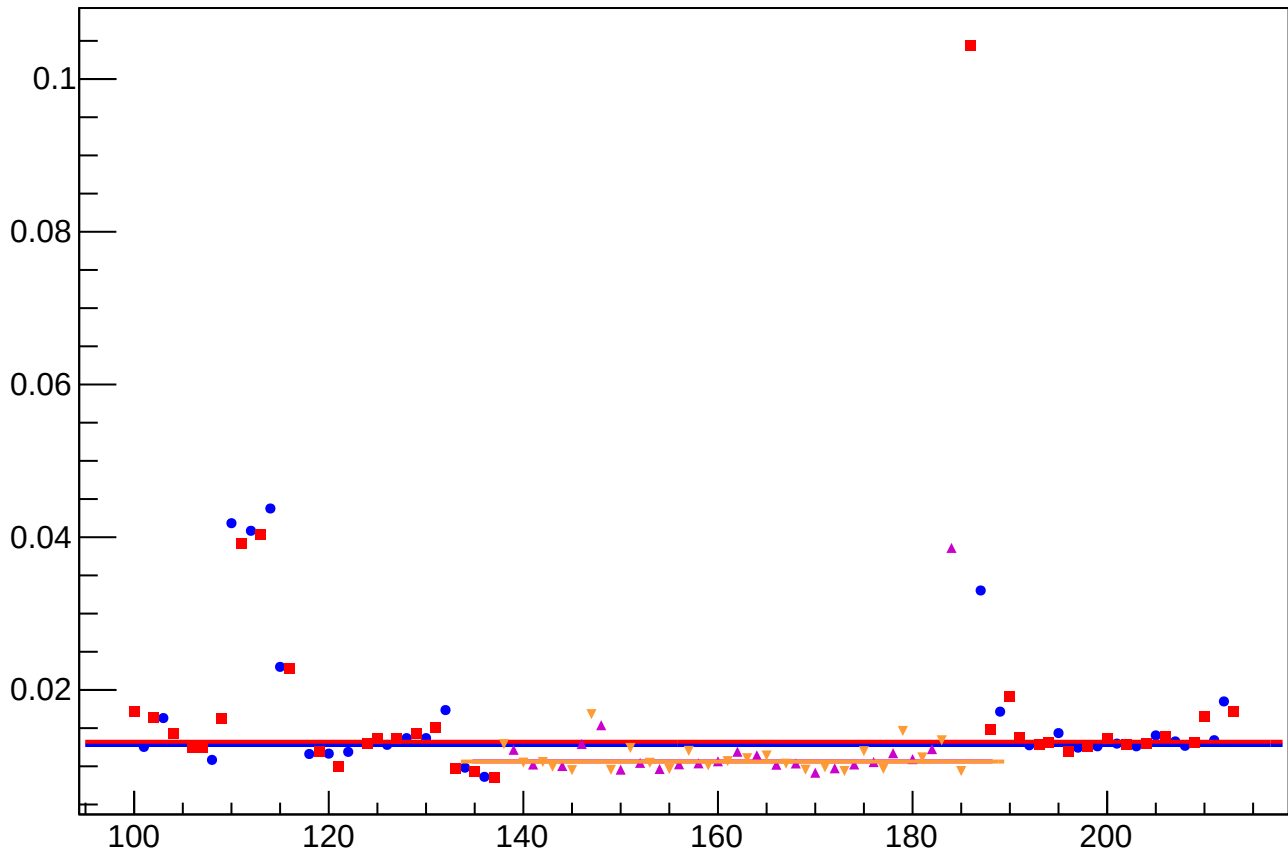
Left In: 0.012+/-0.000 χ^2/NDF : 58674739.1/22

+ sign 0.039+/-0.000 χ^2/NDF : 8918964869.3/53

All: 0.039+/-0.000 χ^2/NDF : 18749427521.7/100

- sign 0.038+/-0.000 χ^2/NDF : 9830407963.4/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1914345.9/28

Left Out: 0.011+/-0.000 χ^2/NDF : 622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2288359.4/33

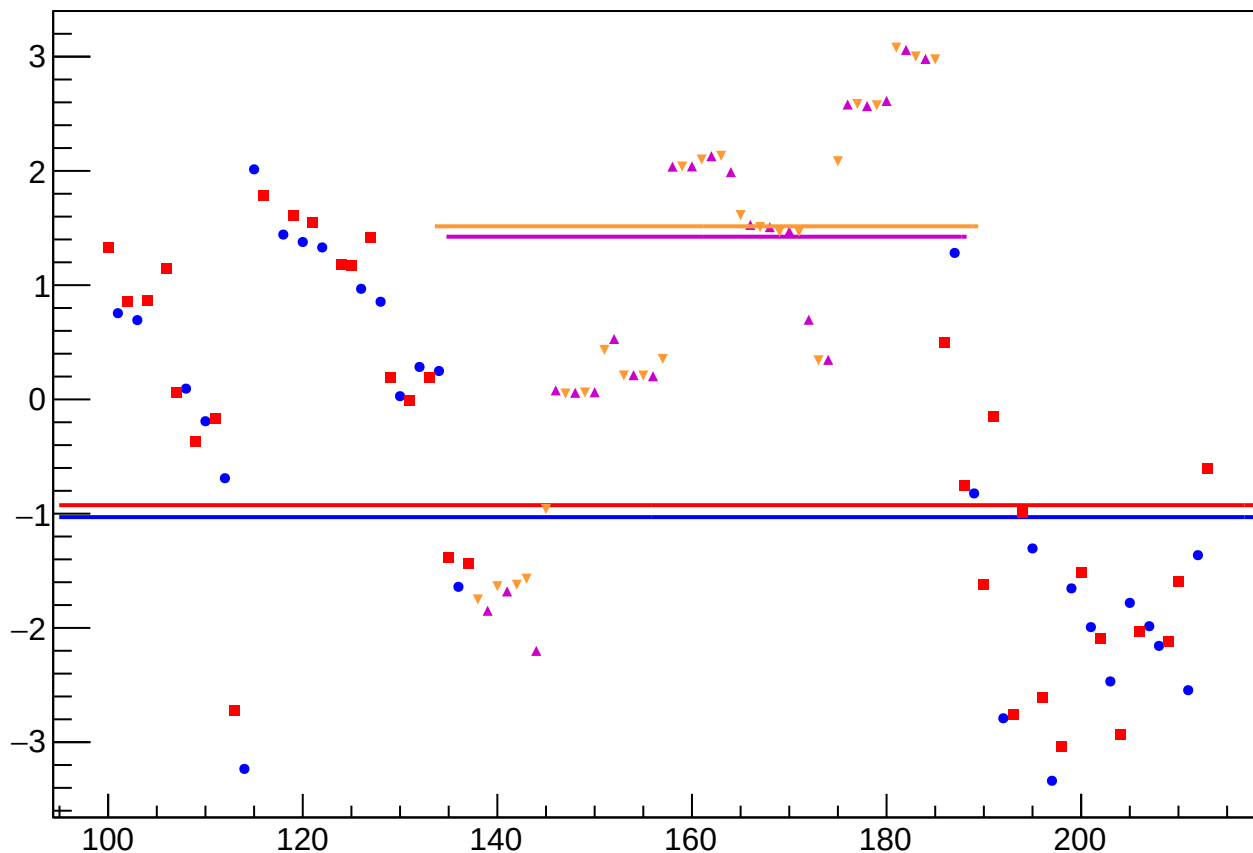
Left In: 0.011+/-0.000 χ^2/NDF : 571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF : 3094052.9/53

All: 0.012+/-0.000 χ^2/NDF : 6740654.6/110

- sign 0.012+/-0.000 χ^2/NDF : 3635589.6/56

yield_bpm1X_mean vs Slug



Right In: -1.030 ± 0.000 $\chi^2/\text{NDF}: 9584715005.3/28$

Left Out: 1.515 ± 0.000 $\chi^2/\text{NDF}: 67789388512.2/24$

Right Out: -0.926 ± 0.000 $\chi^2/\text{NDF}: 9664157271.8/33$

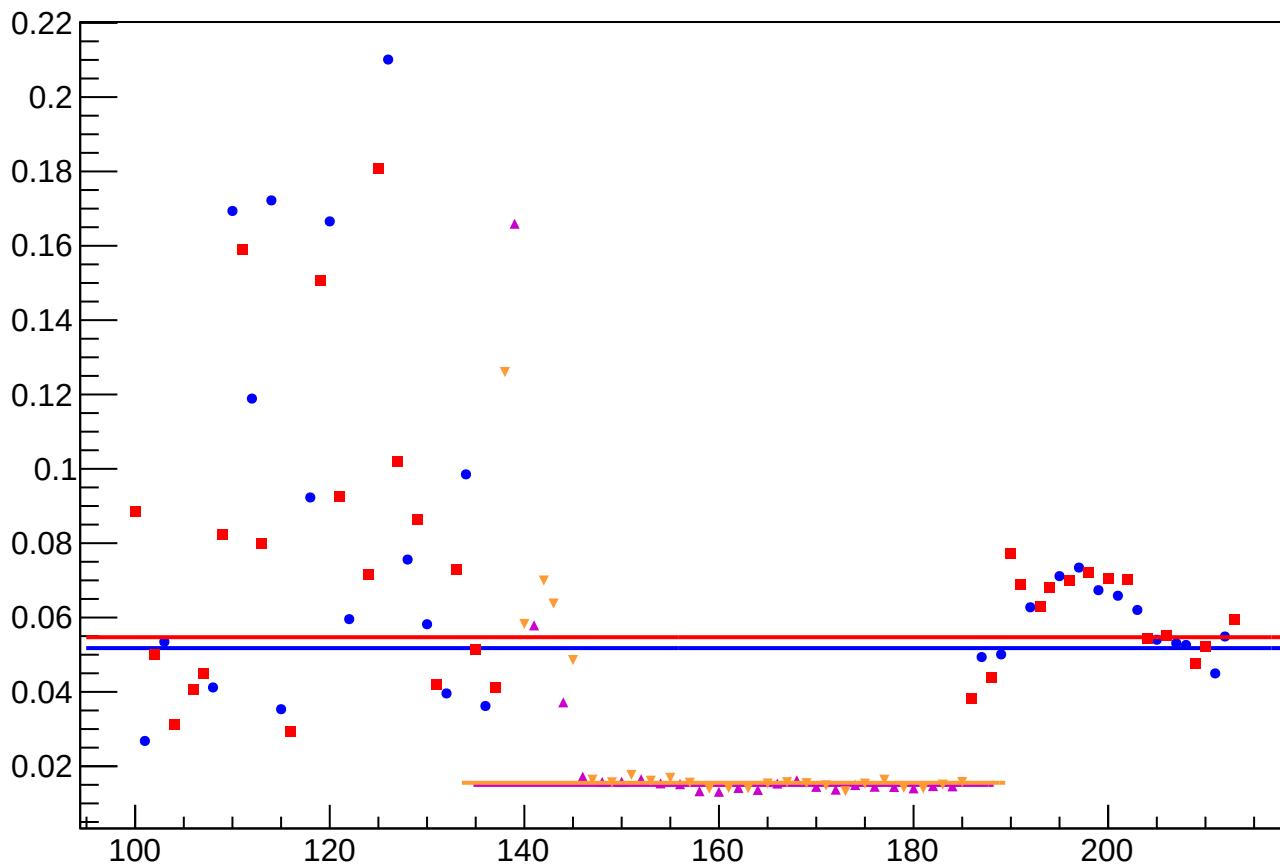
Left In: 1.424 ± 0.000 $\chi^2/\text{NDF}: 68046262594.0/22$

+ sign 1.326 ± 0.000 $\chi^2/\text{NDF}: 106572185225.6/53$

All: 1.287 ± 0.000 $\chi^2/\text{NDF}: 209891628136.7$

- sign 1.250 ± 0.000 $\chi^2/\text{NDF}: 103128051792.2/56$

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF : 3595438.8/28

Left Out: 0.016+/-0.000 χ^2/NDF :2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF : 3195917.3/33

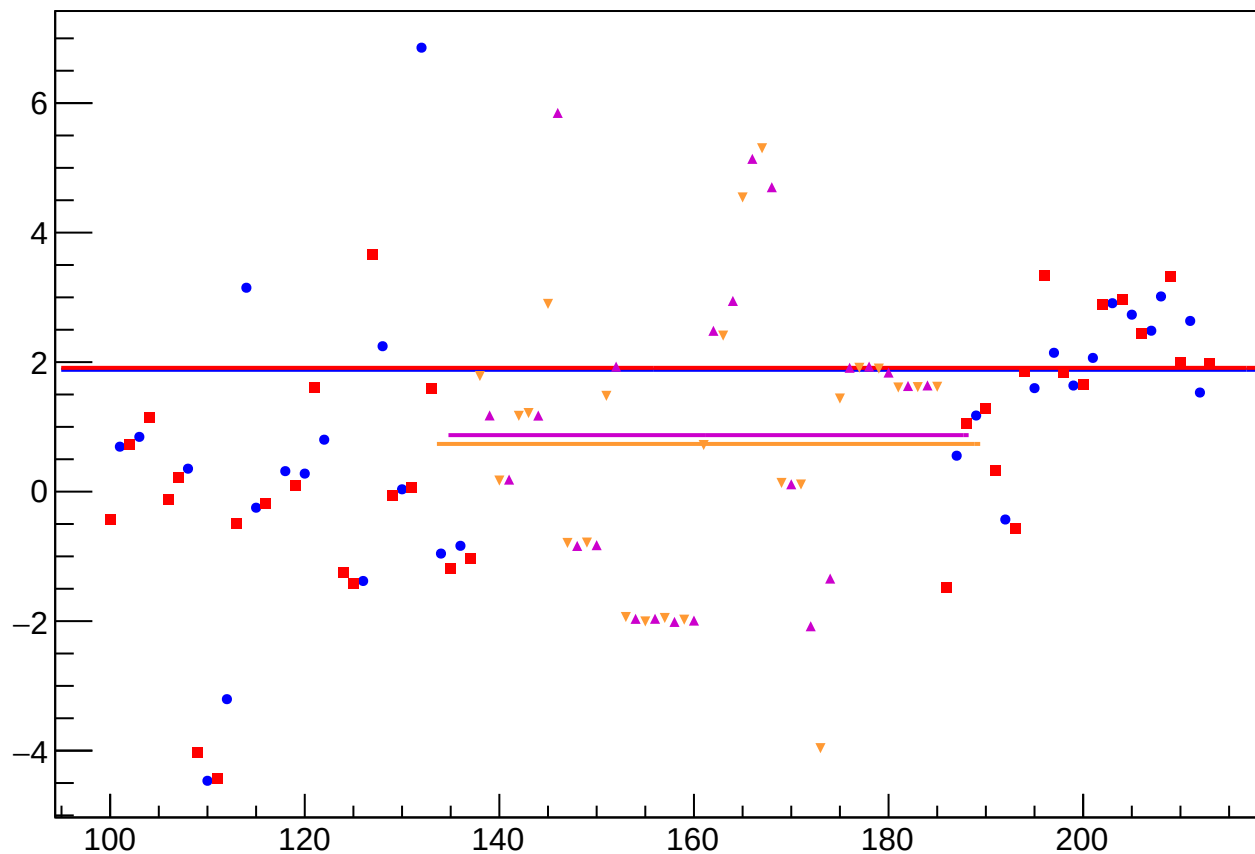
Left In: 0.015+/-0.000 χ^2/NDF :2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF : 18411005.0/53

All: 0.018+/-0.000 χ^2/NDF : 38331901.6/110

- sign 0.018+/-0.000 χ^2/NDF : 19914163.1/56

yield_bpm1Y_mean vs Slug



Right In: 1.881 $\pm$ 0.000 χ^2 /NDF: 40500096741.2/28

Left Out: 0.737 $\pm$ 0.000 χ^2 /NDF: 535962480112.3/24

Right Out: 1.912 $\pm$ 0.000 χ^2 /NDF: 44568119440.6/33

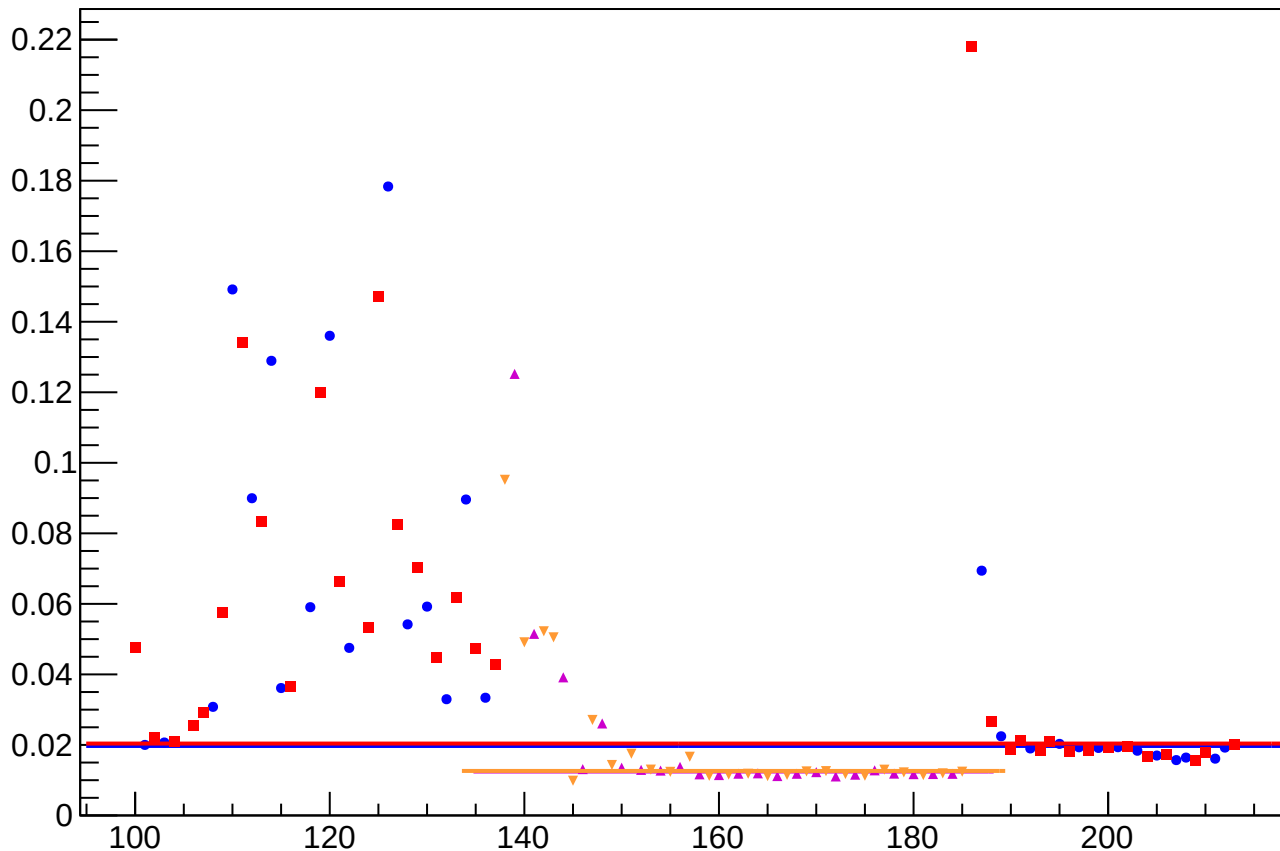
Left In: 0.872 $\pm$ 0.000 χ^2 /NDF: 620161319368.2/22

+ sign 1.006 $\pm$ 0.000 χ^2 /NDF: 607116429319.6/53

All: 1.065 $\pm$ 0.000 χ^2 /NDF: 1298631559317.

- sign 1.124 $\pm$ 0.000 χ^2 /NDF: 690616232907.2/56

yield_bpm1Y_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2/NDF : 4471524.6/28

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 3191407.4/24

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 5525900.2/33

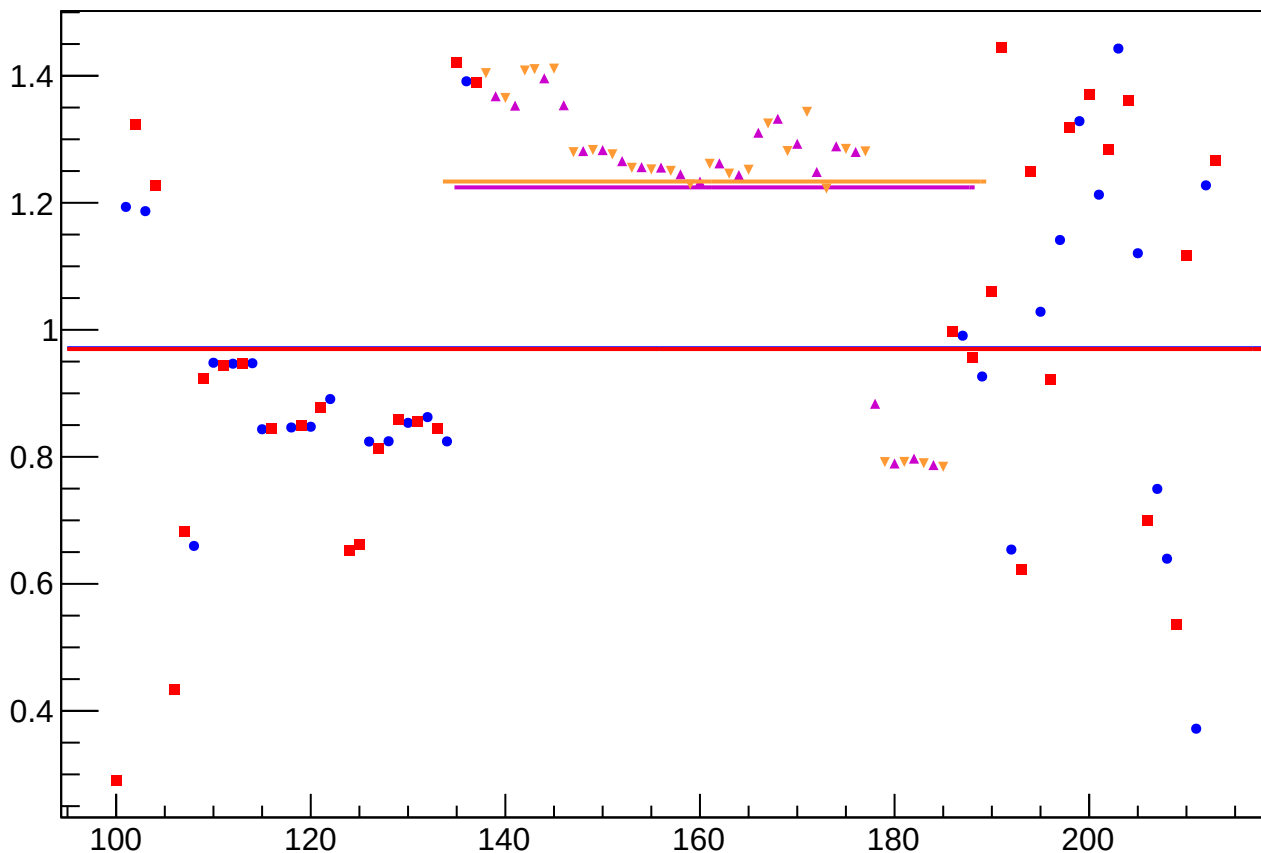
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 2756702.2/22

+ sign 0.014 $\pm$ 0.000 χ^2/NDF : 10011586.5/53

All: 0.014 $\pm$ 0.000 χ^2/NDF : 21308801.6/110

- sign 0.014 $\pm$ 0.000 χ^2/NDF : 11296336.6/56

yield_bpm11X_mean vs Slug



Right In: 0.971 $\pm$ 0.000 χ^2 /NDF: 2223883444.7/28

Left Out: 1.234 $\pm$ 0.000 χ^2 /NDF:3043934887.1/24

Right Out: 0.970 $\pm$ 0.000 χ^2 /NDF: 2514328501.2/33

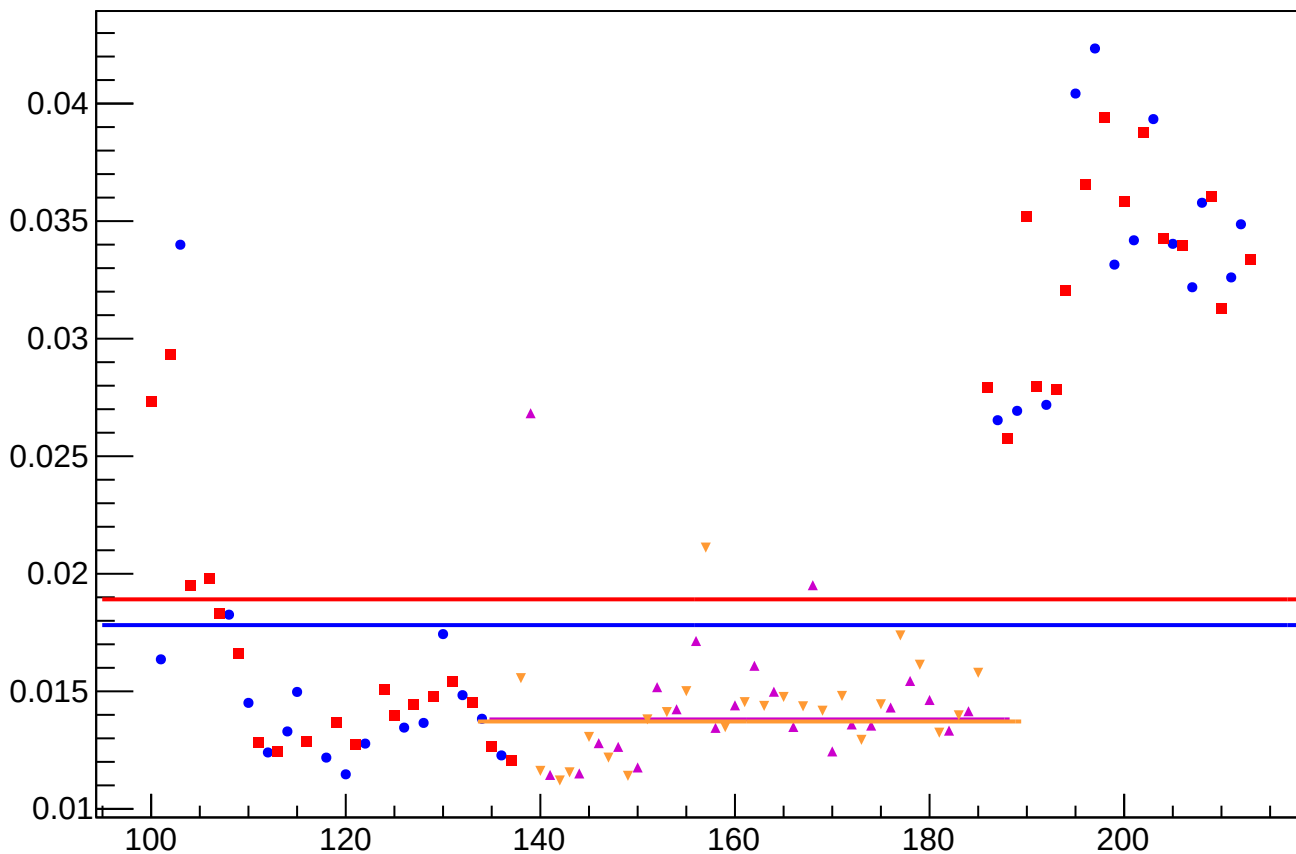
Left In: 1.224 $\pm$ 0.000 χ^2 /NDF:2653773297.1/22

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 7201099722.0/53

All: 1.147 $\pm$ 0.000 χ^2 /NDF: 14157877055.7/1

- sign 1.142 $\pm$ 0.000 χ^2 /NDF: 6950750419.0/56

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5878080.7/28

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:550789.3/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5702017.4/33

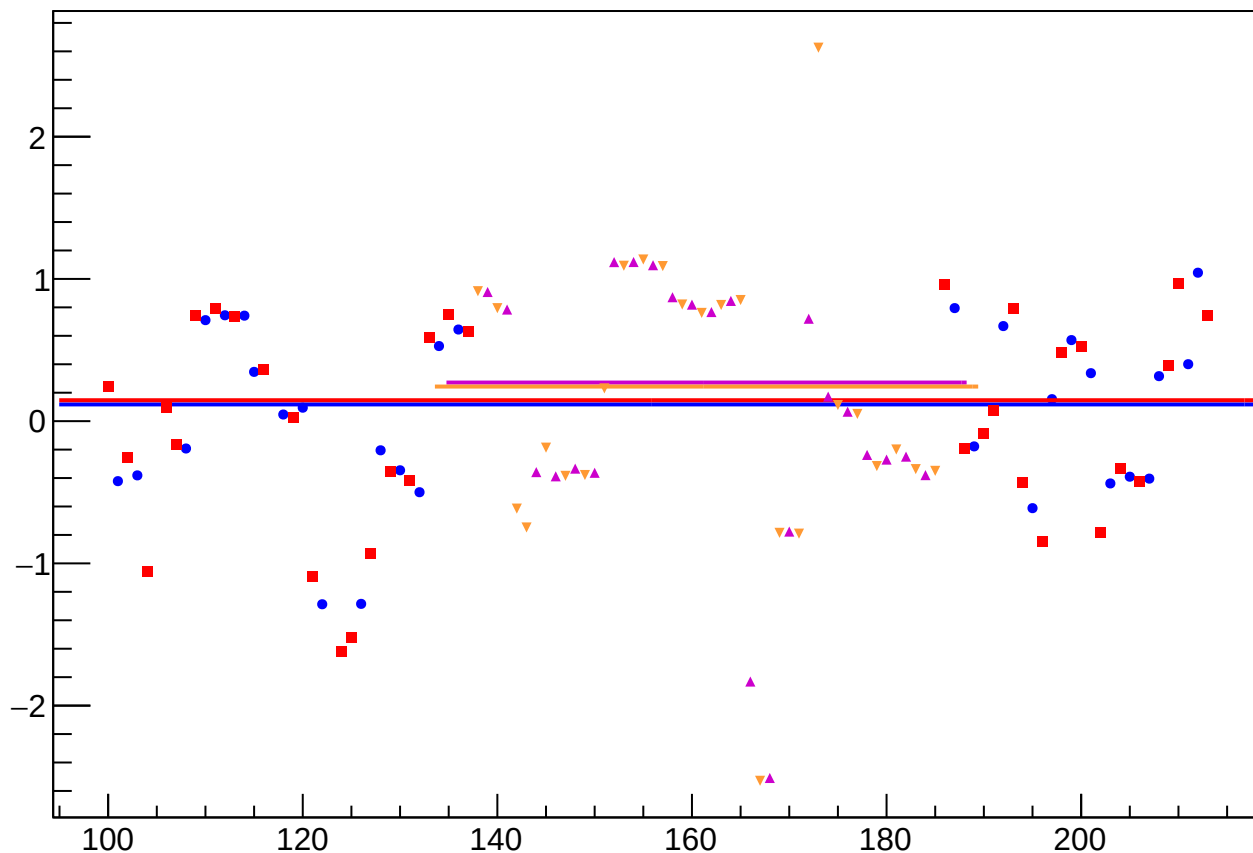
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:870104.2/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7371645.4/53

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 15405890.3/110

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8007155.5/56

yield_bpm11Y_mean vs Slug



Right In: 0.118 $\pm$ 0.000 χ^2/NDF : 32757334709.4/28

Left Out: 0.243 $\pm$ 0.000 χ^2/NDF : 105591710525.9/24

Right Out: 0.147 $\pm$ 0.000 χ^2/NDF : 48272447677.8/33

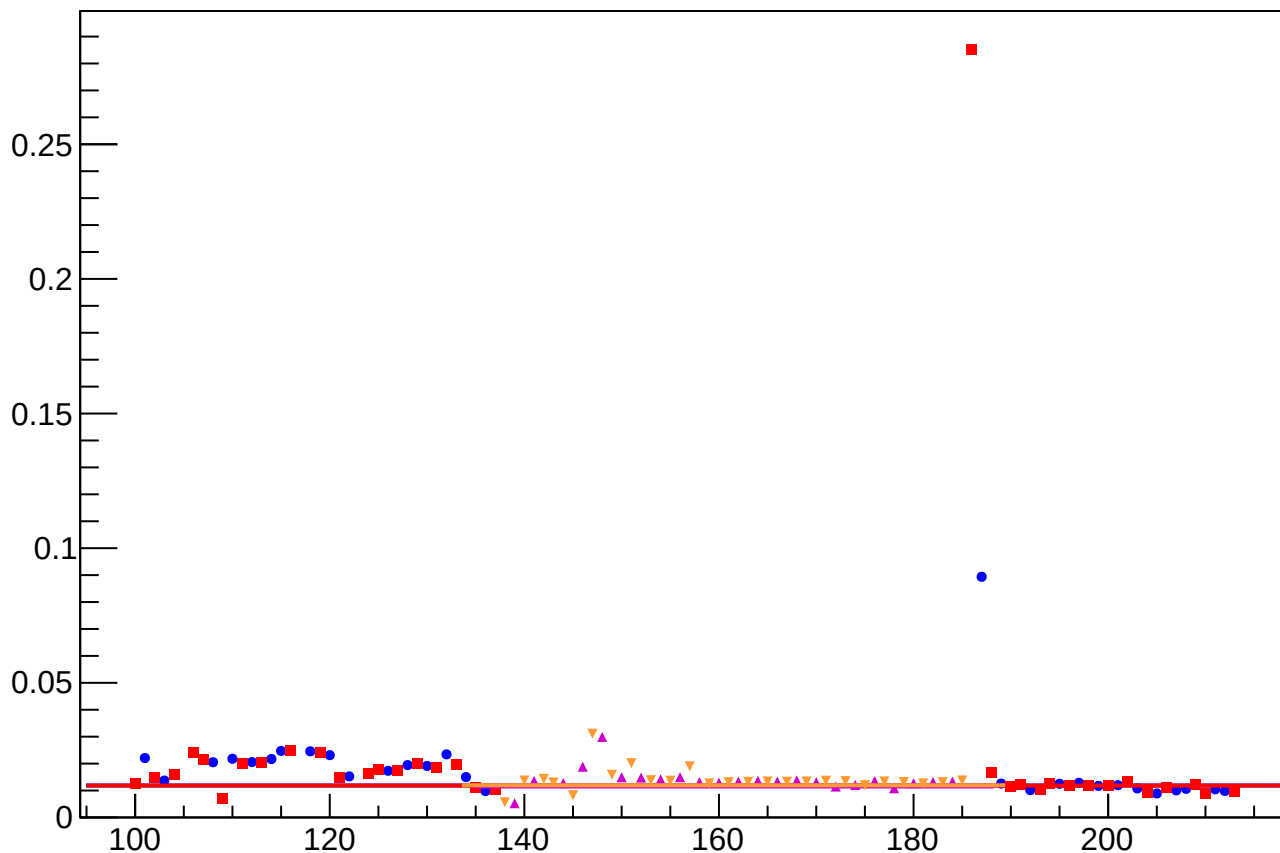
Left In: 0.271 $\pm$ 0.000 χ^2/NDF : 90500933388.6/22

+ sign 0.185 $\pm$ 0.000 χ^2/NDF : 139208243478.9/53

All: 0.199 $\pm$ 0.000 χ^2/NDF : 278936515095.3

- sign 0.212 $\pm$ 0.000 χ^2/NDF : 139650650327.3/56

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2634472.9/28

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3266034.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3236289.6/33

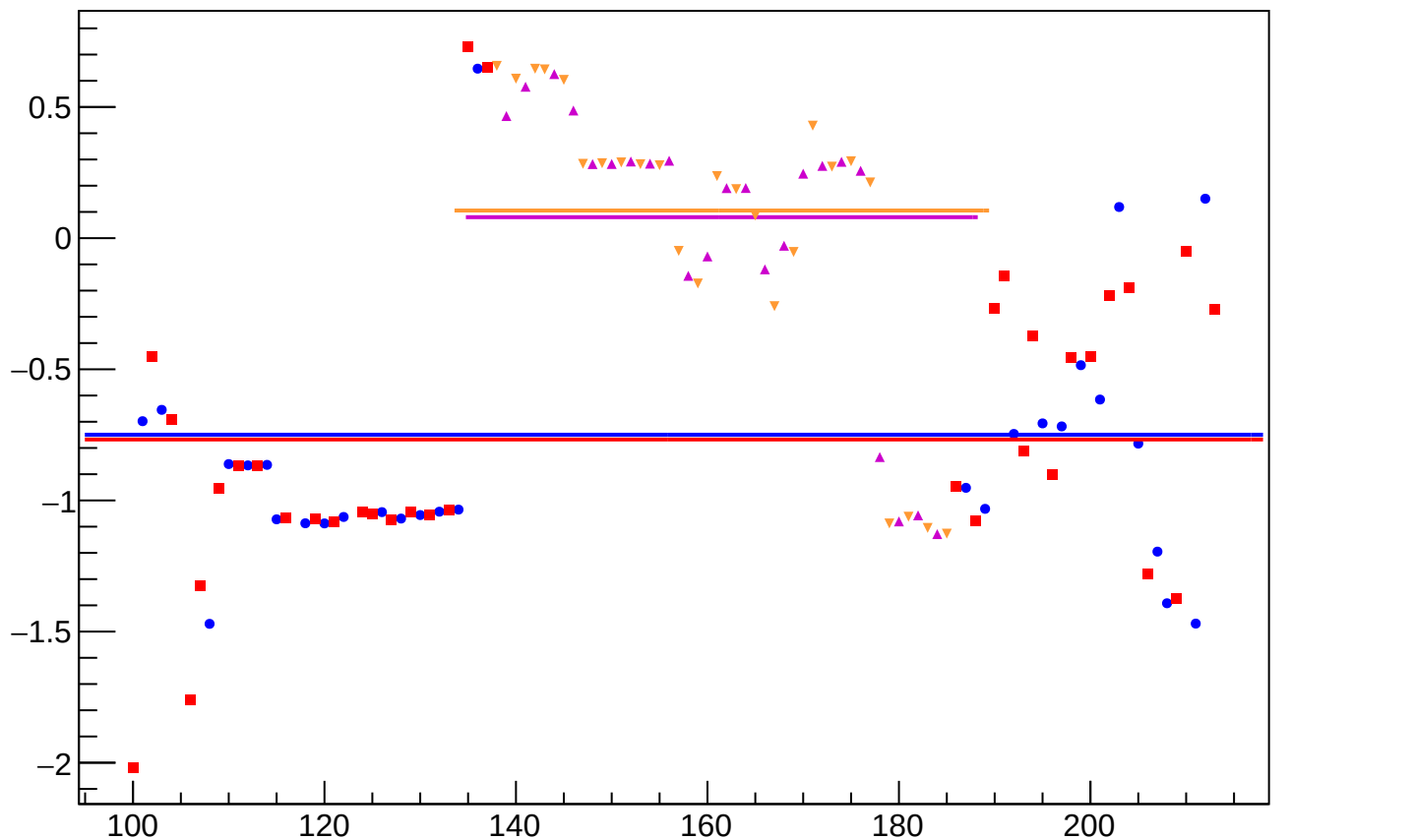
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:3671096.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5901087.7/53

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12837127.1/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6920574.7/56

yield_bpm12X_mean vs Slug



Right In: -0.749 ± 0.000 $\chi^2/\text{NDF}: 2391684573.6/28$

Left Out: 0.105 ± 0.000 $\chi^2/\text{NDF}: 3787188881.7/24$

Right Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 2241329871.0/33$

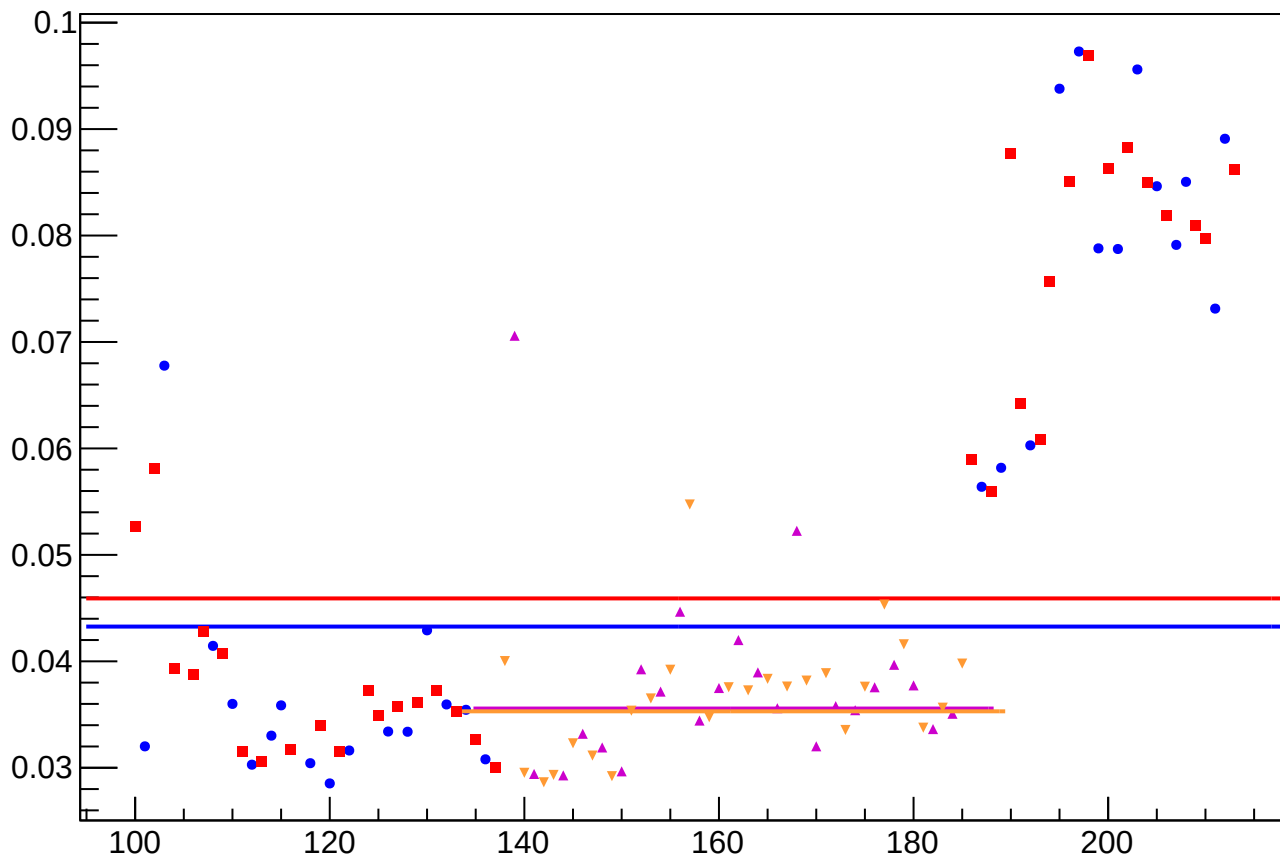
Left In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 3269598614.0/22$

+ sign -0.190 ± 0.000 $\chi^2/\text{NDF}: 9590512133.5/53$

All: -0.206 ± 0.000 $\chi^2/\text{NDF}: 18369402923.5/100$

- sign -0.222 ± 0.000 $\chi^2/\text{NDF}: 8768739689.7/56$

yield_bpm12X_rms vs Slug



Right In: 0.043 $\pm$ 0.000 χ^2 /NDF: 5549855.7/28

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:612627.1/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 5243809.3/33

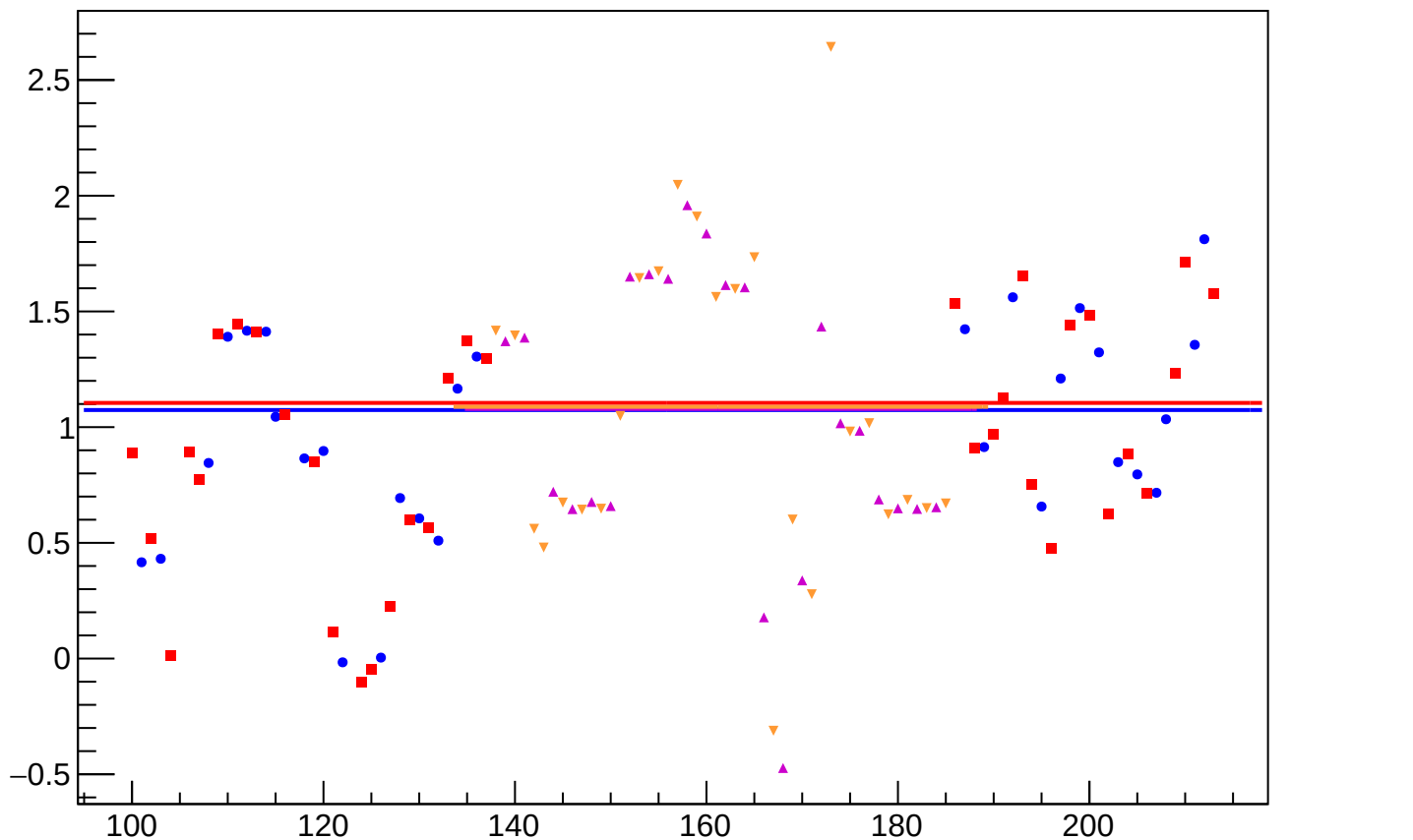
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:960383.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6754339.2/53

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13958203.4/110

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7175131.2/56

yield_bpm12Y_mean vs Slug



Right In: 1.074+/-0.000 χ^2/NDF : 44332160745.3/28

Left Out: 1.088+/-0.000 χ^2/NDF : 93851056436.3/24

Right Out: 1.105+/-0.000 χ^2/NDF : 56943219827.2/33

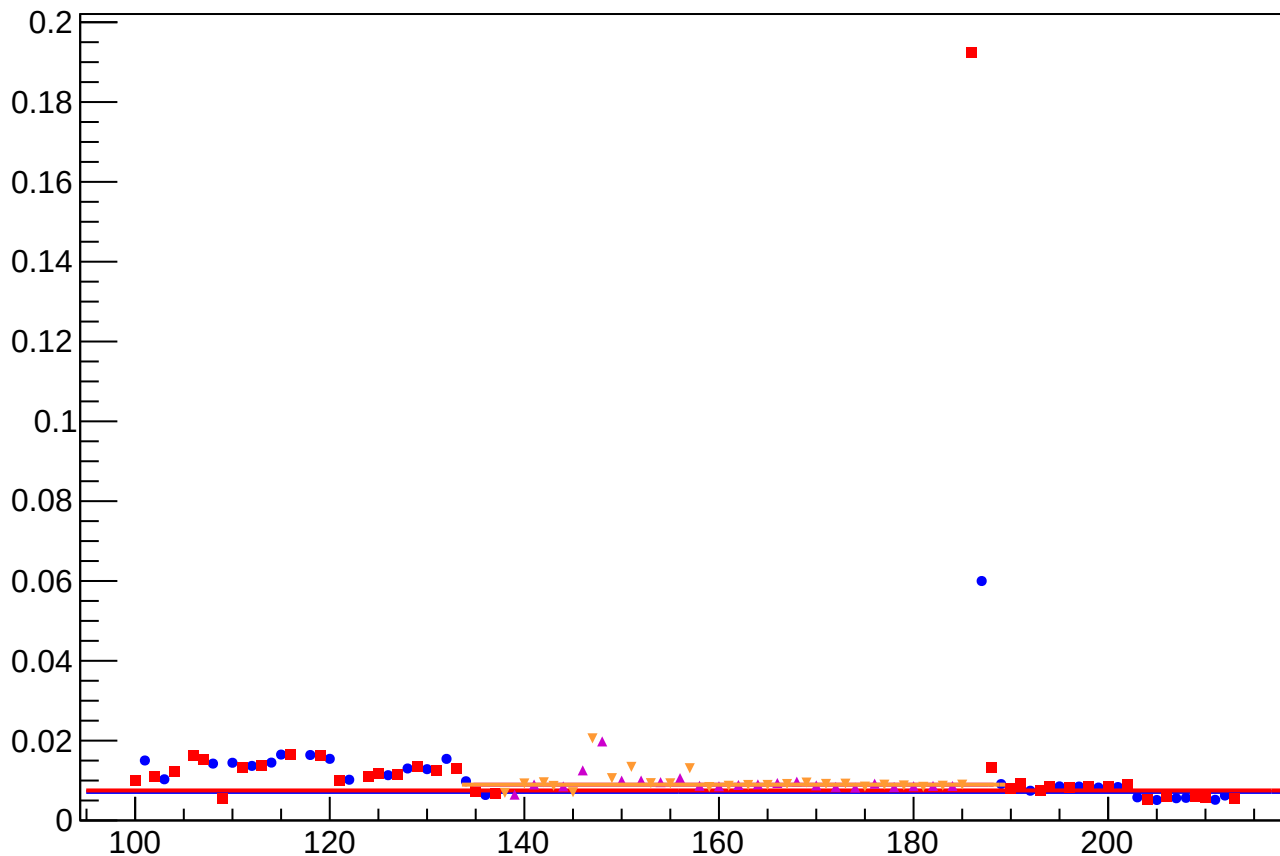
Left In: 1.079+/-0.000 χ^2/NDF : 74081002727.0/22

+ sign 1.080+/-0.000 χ^2/NDF : 138206598955.2/53

All: 1.087+/-0.000 χ^2/NDF : 269354873232.0

- sign 1.093+/-0.000 χ^2/NDF : 131104806750.3/56

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3800304.6/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1146497.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 4137154.7/33

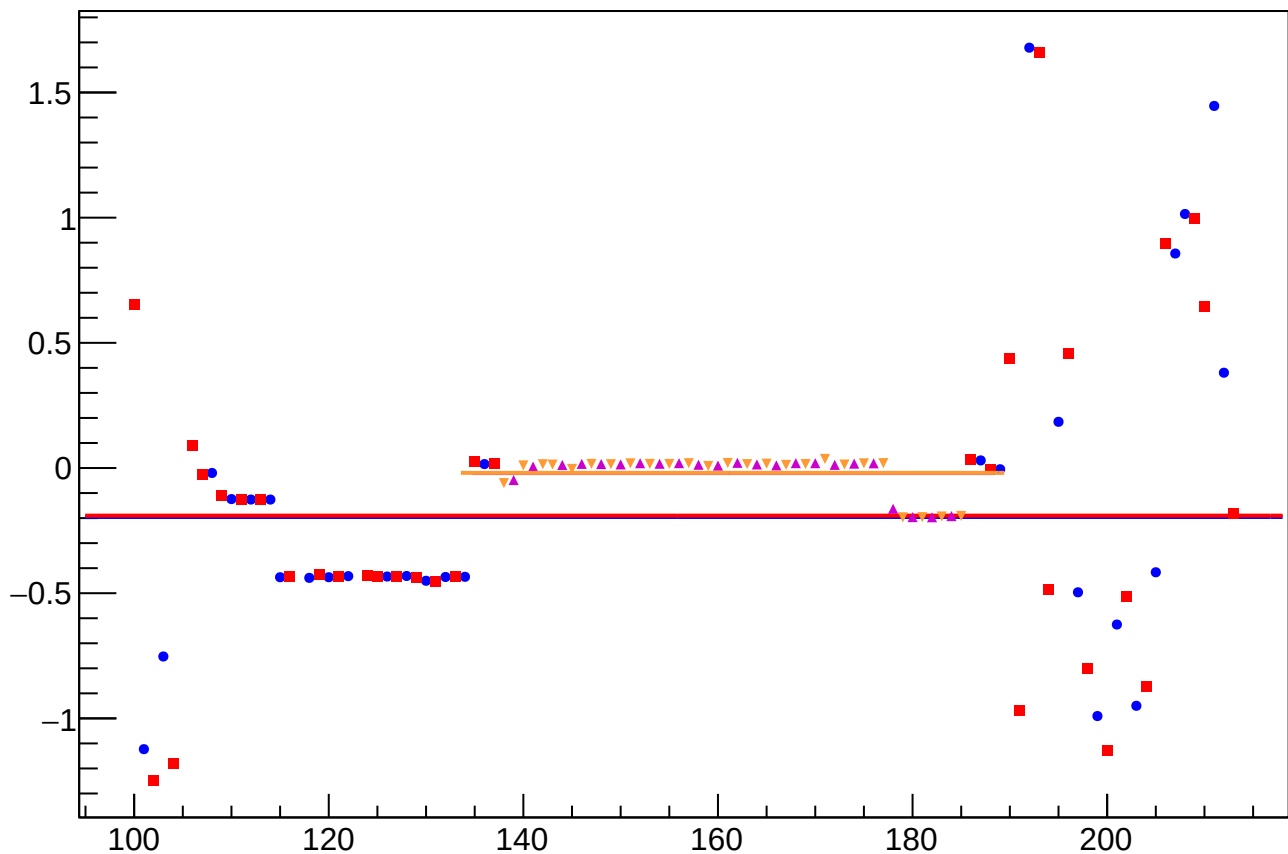
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:966765.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5775537.6/53

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 11384789.3/110

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5592997.6/56

yield_bpm16X_mean vs Slug



Right In: -0.195 ± 0.000 χ^2/NDF : 6042990566.4/28

Left Out: -0.019 ± 0.000 χ^2/NDF : 1058597672.8/24

Right Out: -0.190 ± 0.000 χ^2/NDF : 4546447973.4/33

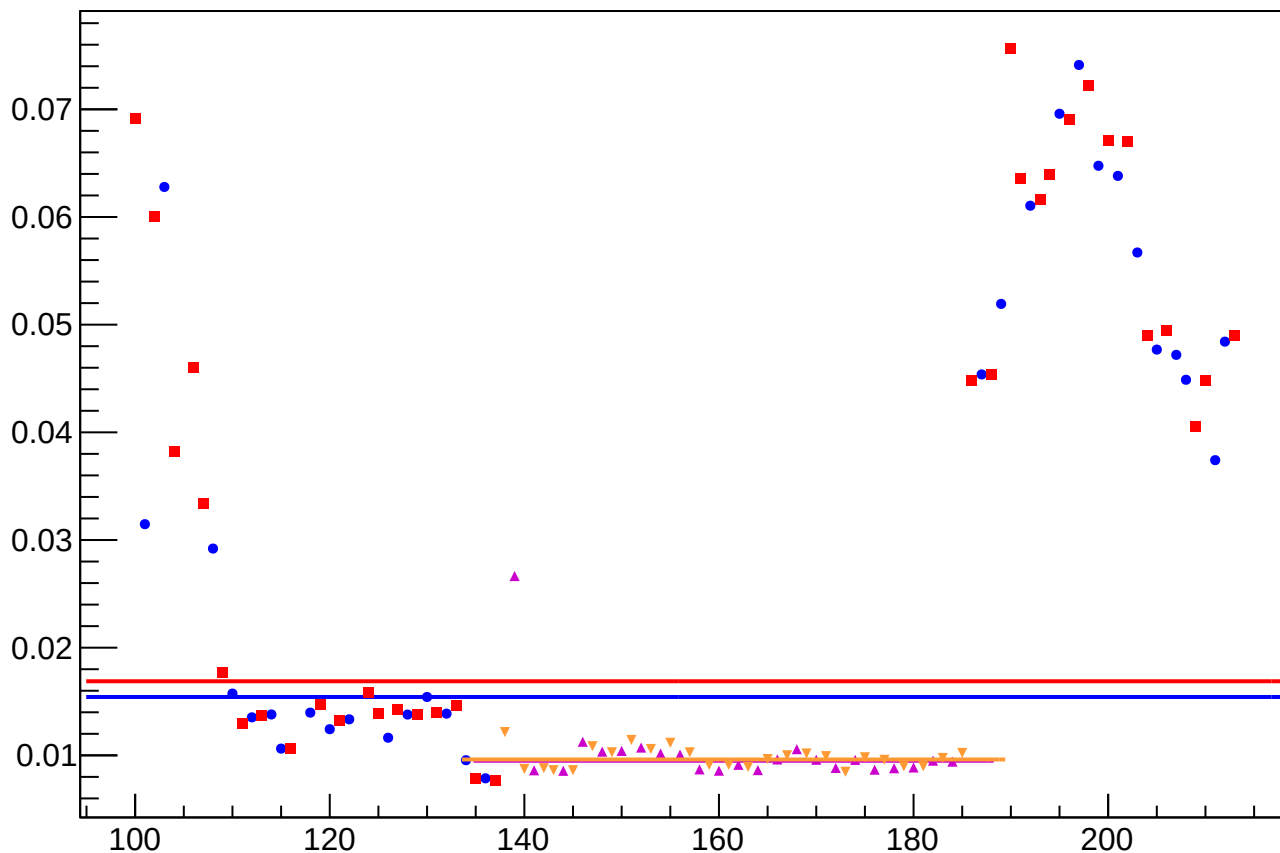
Left In: -0.020 ± 0.000 χ^2/NDF : 984483299.5/22

+ sign -0.051 ± 0.000 χ^2/NDF : 8094185776.8/53

All: -0.050 ± 0.000 χ^2/NDF : 14475947558.0/100

- sign -0.050 ± 0.000 χ^2/NDF : 6381560104.4/56

yield_bpm16X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 12800957.6/28

Left Out: 0.010+/-0.000 χ^2/NDF : 271912.7/24

Right Out: 0.017+/-0.000 χ^2/NDF : 14016246.8/33

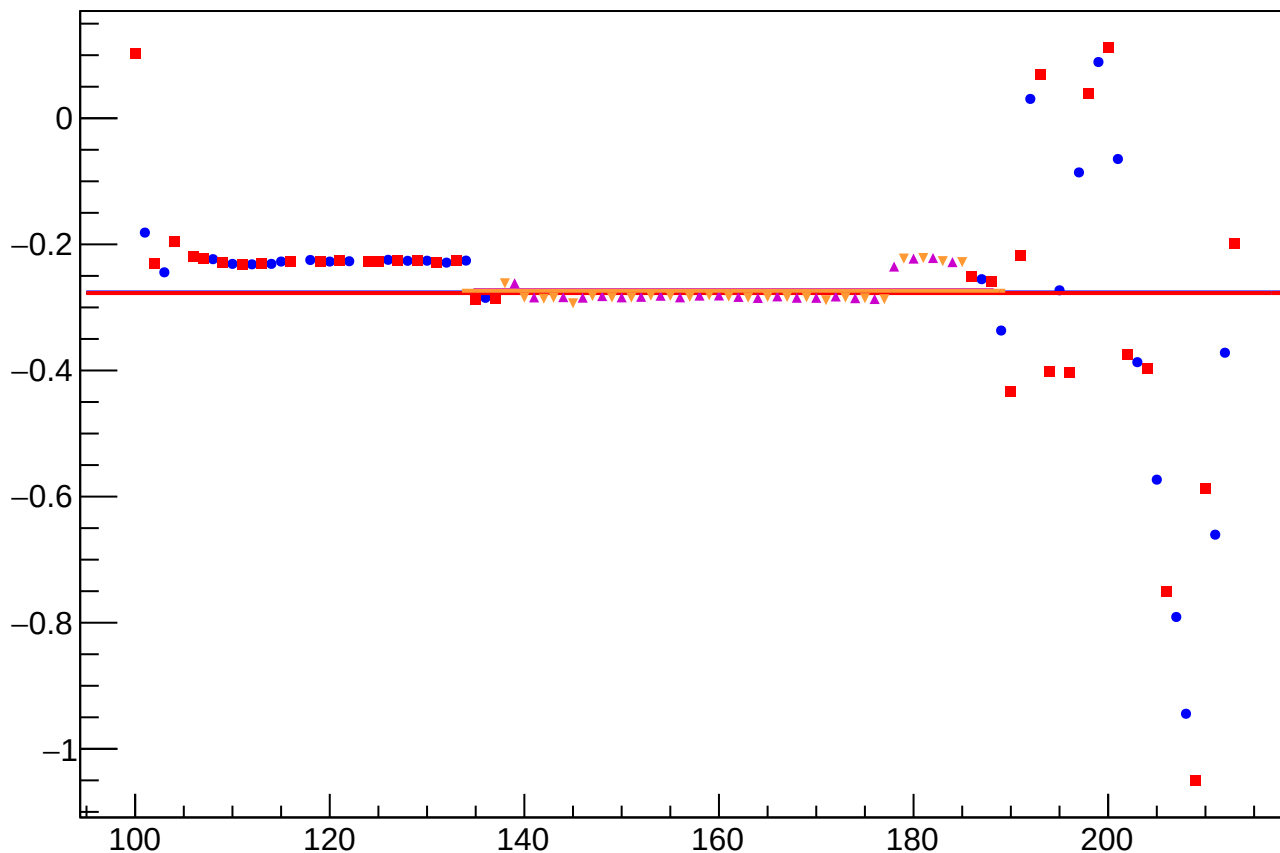
Left In: 0.009+/-0.000 χ^2/NDF : 900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 15229612.7/53

All: 0.011+/-0.000 χ^2/NDF : 33354710.4/110

- sign 0.011+/-0.000 χ^2/NDF : 18122032.0/56

yield_bpm16Y_mean vs Slug



Right In: -0.276+/-0.000 χ^2/NDF : 26985769235.0/28

Left Out: -0.274+/-0.000 χ^2/NDF : 395563277.1/24

Right Out: -0.277+/-0.000 χ^2/NDF : 27347624174.4/33

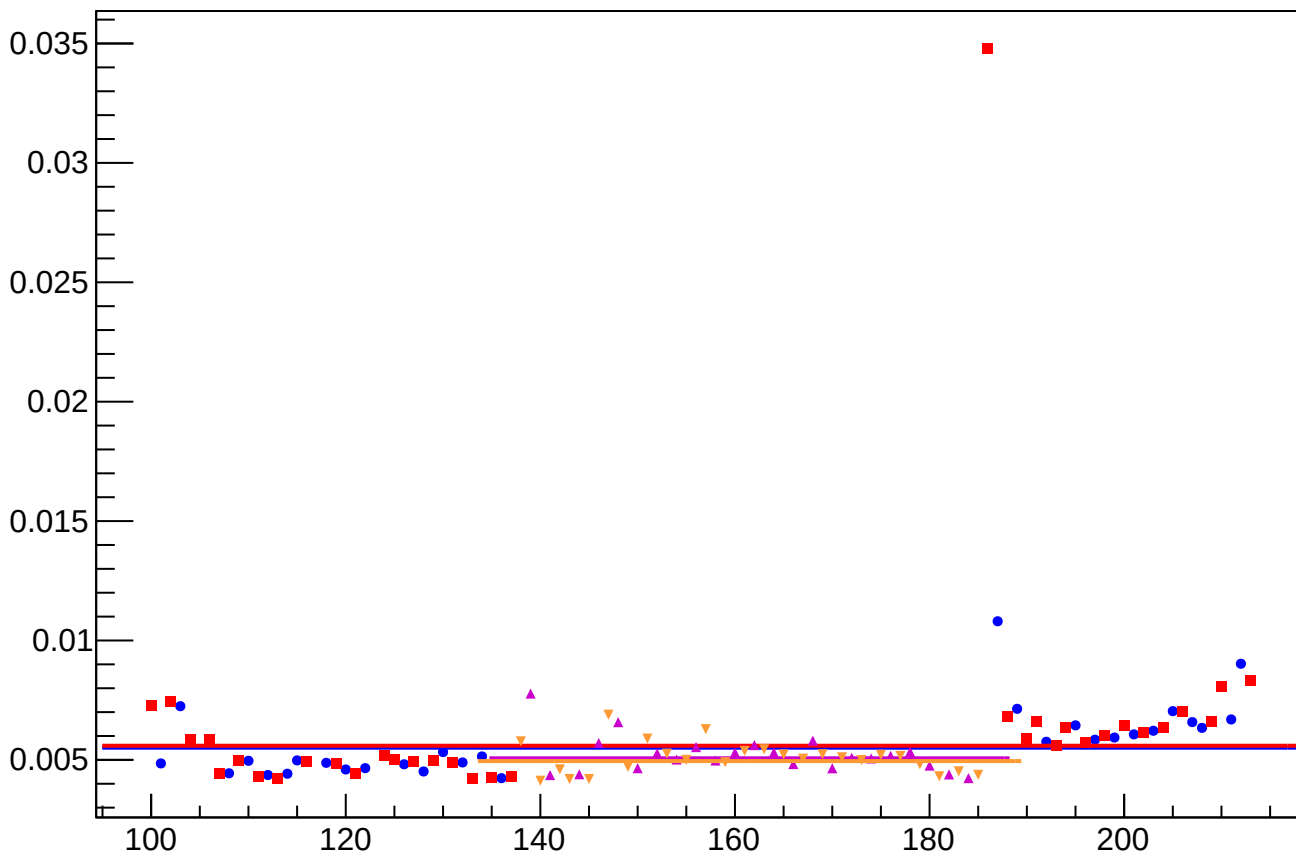
Left In: -0.273+/-0.000 χ^2/NDF : 335149425.2/22

+ sign -0.275+/-0.000 χ^2/NDF : 27383602519.1/53

All: -0.275+/-0.000 χ^2/NDF : 55072691221.8/100

- sign -0.275+/-0.000 χ^2/NDF : 27689088181.9/56

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1161927.1/28

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 528766.8/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1818321.3/33

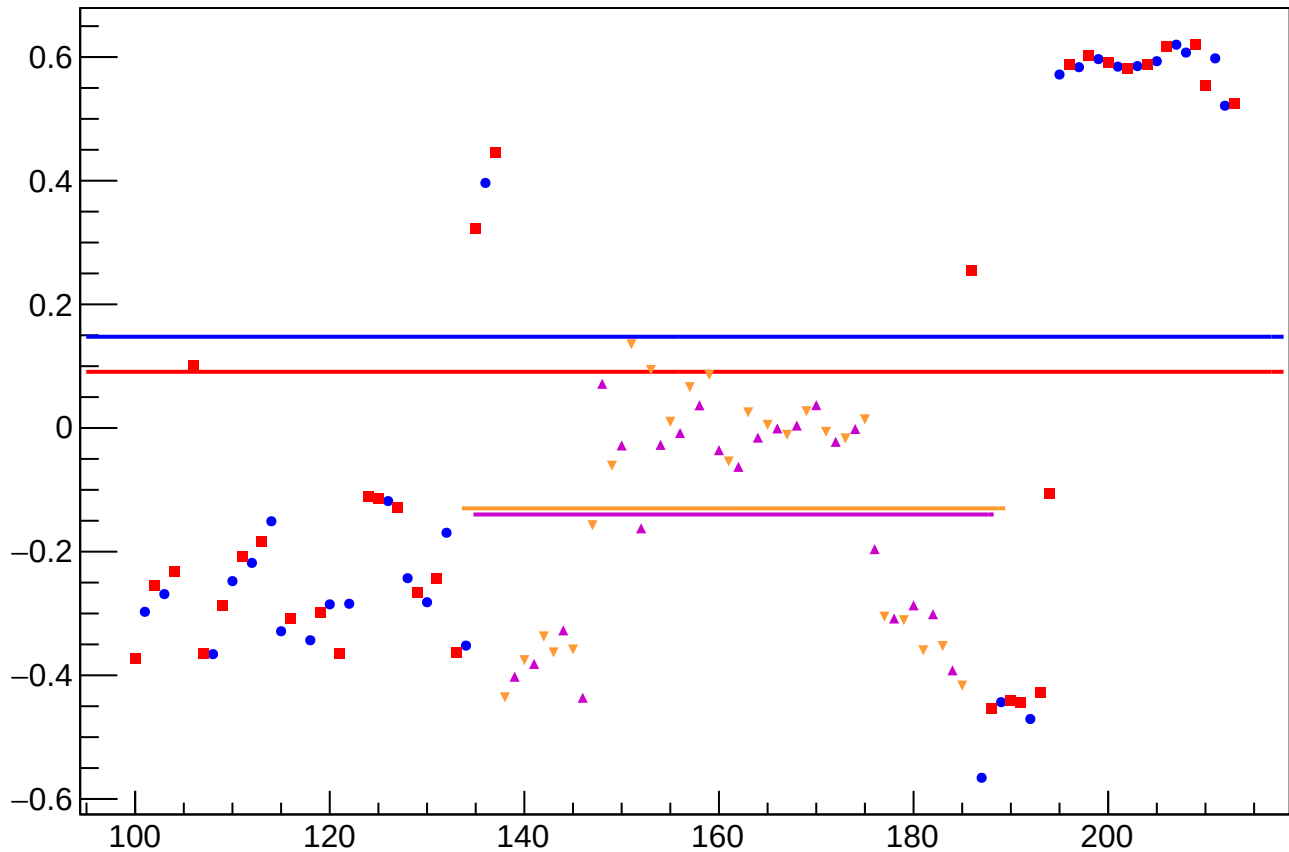
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 539392.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1881054.1/53

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4422348.3/110

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2523107.4/56

yield_bpm0i02X_mean vs Slug



Right In: 0.148+/-0.000 χ^2/NDF : 71040256924.4/28

Left Out: -0.130+/-0.000 χ^2/NDF : 21496239338.5/24

Right Out: 0.091+/-0.000 χ^2/NDF : 71908585461.2/33

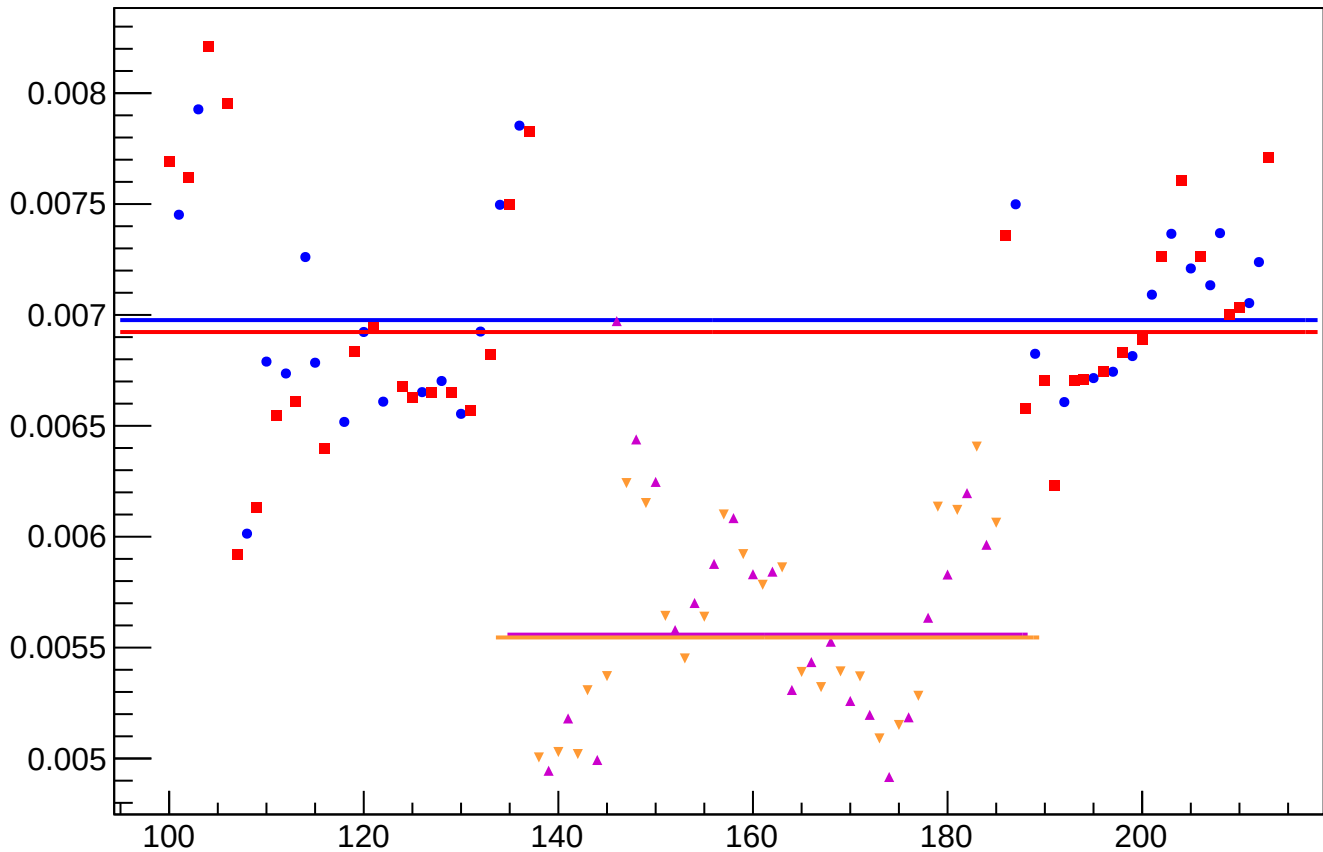
Left In: -0.140+/-0.000 χ^2/NDF : 15148699439.4/22

+ sign -0.027+/-0.000 χ^2/NDF : 109577268720.5/53

All: -0.036+/-0.000 χ^2/NDF : 208982504007.1

- sign -0.045+/-0.000 χ^2/NDF : 99244508186.1/56

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 114451.6/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:201874.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 162204.8/33

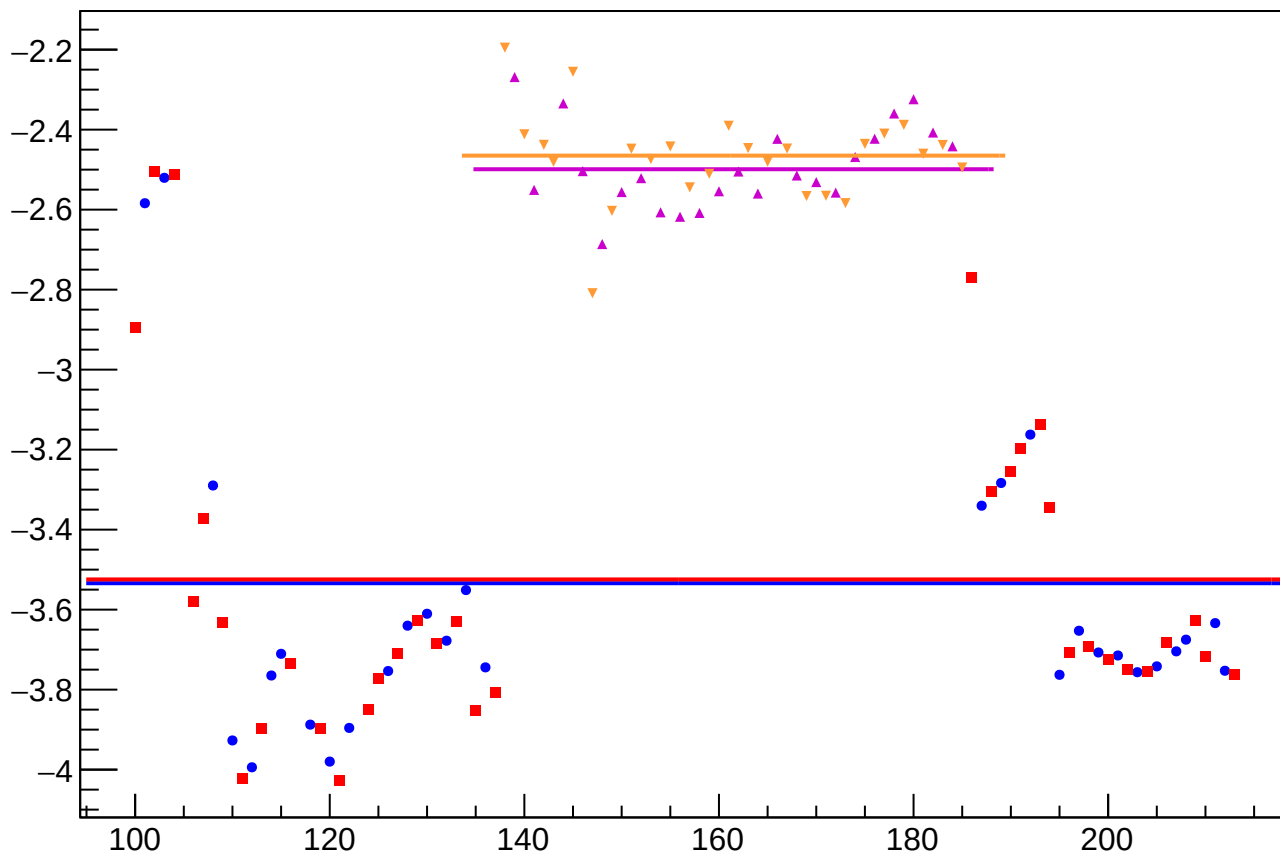
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:260994.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1222402.8/53

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2498892.0/110

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1274945.8/56

yield_bpm0i02Y_mean vs Slug



Right In: -3.534+/-0.000 χ^2/NDF : 33120843029.6/28

Left Out: -2.465+/-0.000 χ^2/NDF : 2167098053.0/24

Right Out: -3.524+/-0.000 χ^2/NDF : 35202922369.7/33

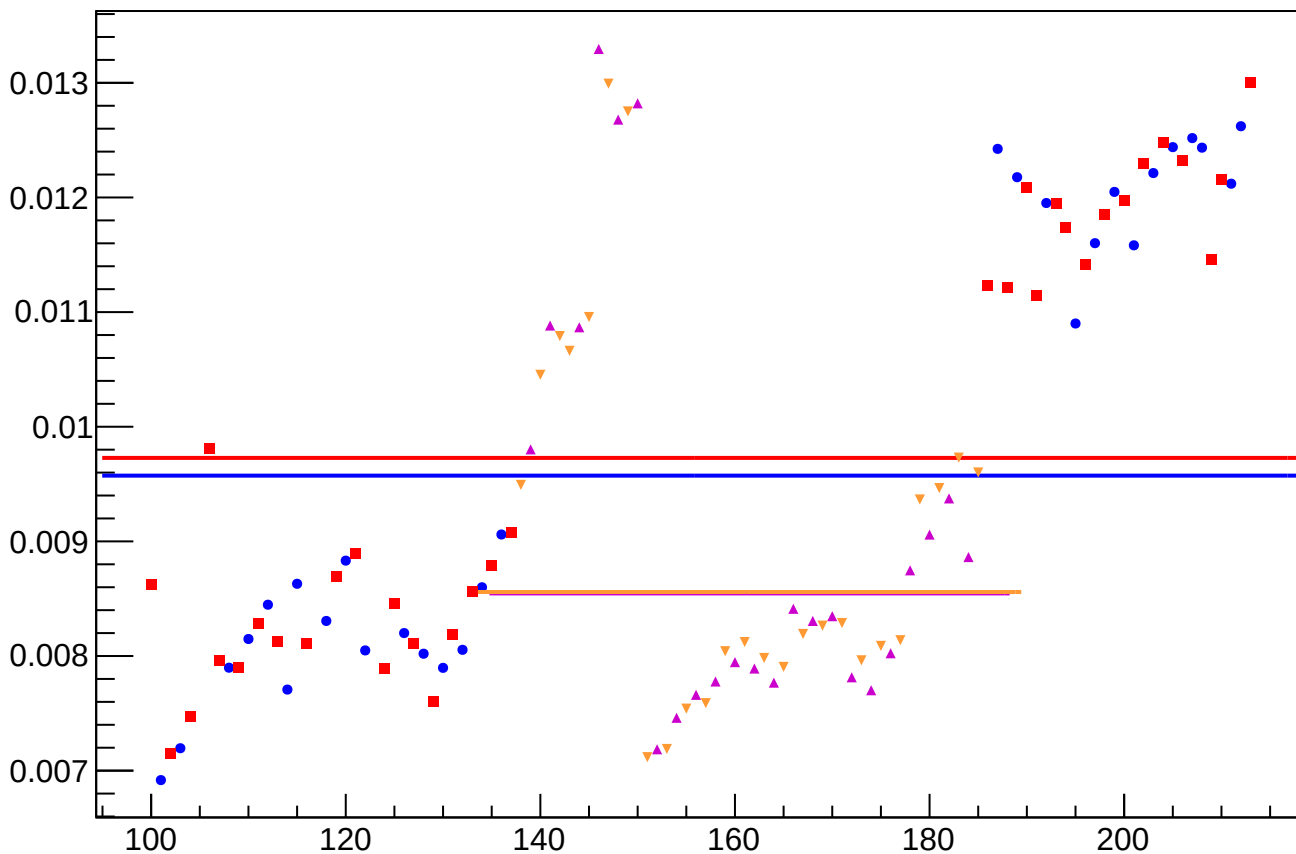
Left In: -2.499+/-0.000 χ^2/NDF : 2273256162.3/22

+ sign -2.913+/-0.000 χ^2/NDF : 153531133277.4/53

All: -2.934+/-0.000 χ^2/NDF : 301013616867.7

- sign -2.956+/-0.000 χ^2/NDF : 147094612002.5/56

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1474096.0/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:824029.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1433555.8/33

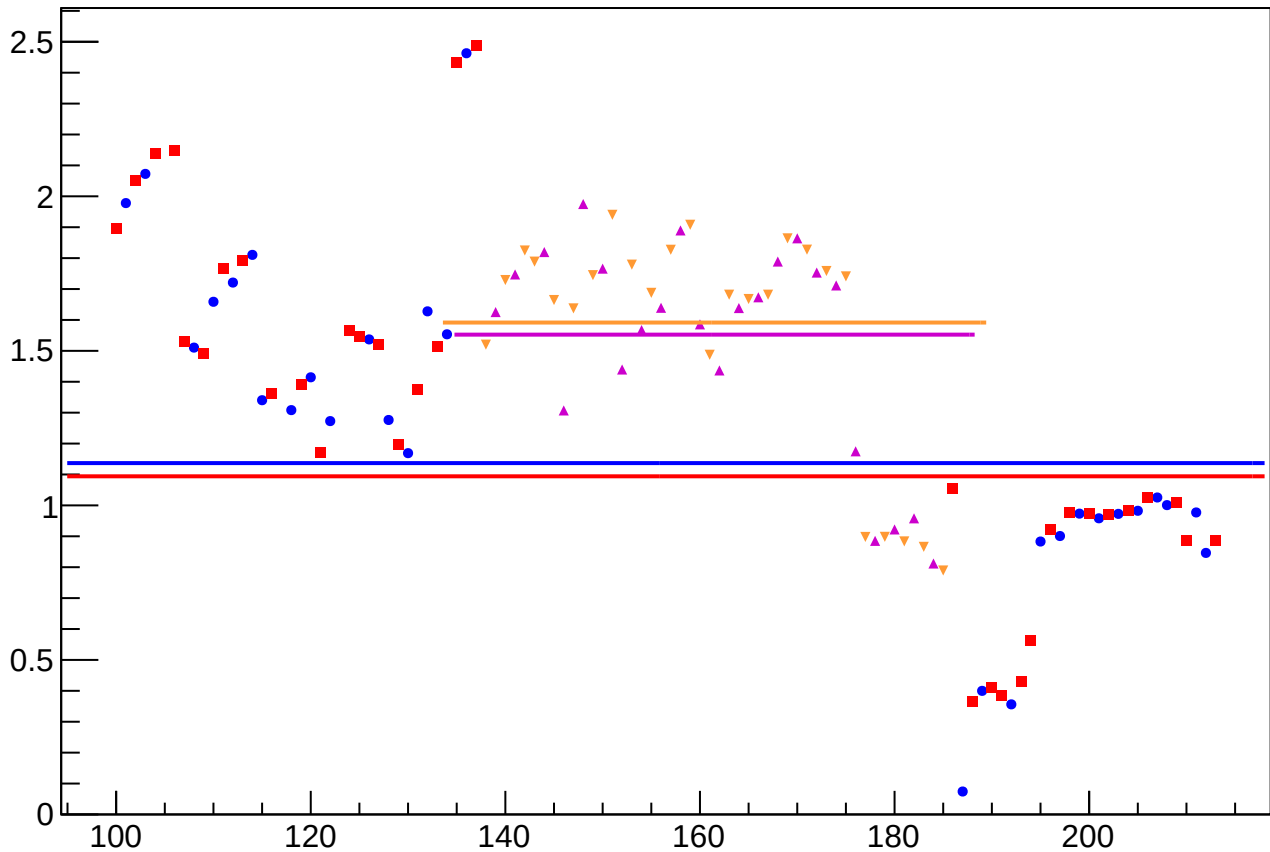
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:910760.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2511408.6/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5150449.7/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2635709.5/56

yield_bpm0i02aX_mean vs Slug



Right In: 1.137 $\pm$ 0.000 χ^2 /NDF: 29983680527.0/28

Left Out: 1.592 $\pm$ 0.000 χ^2 /NDF: 17078853061.6/24

Right Out: 1.094 $\pm$ 0.000 χ^2 /NDF: 34904193594.7/33

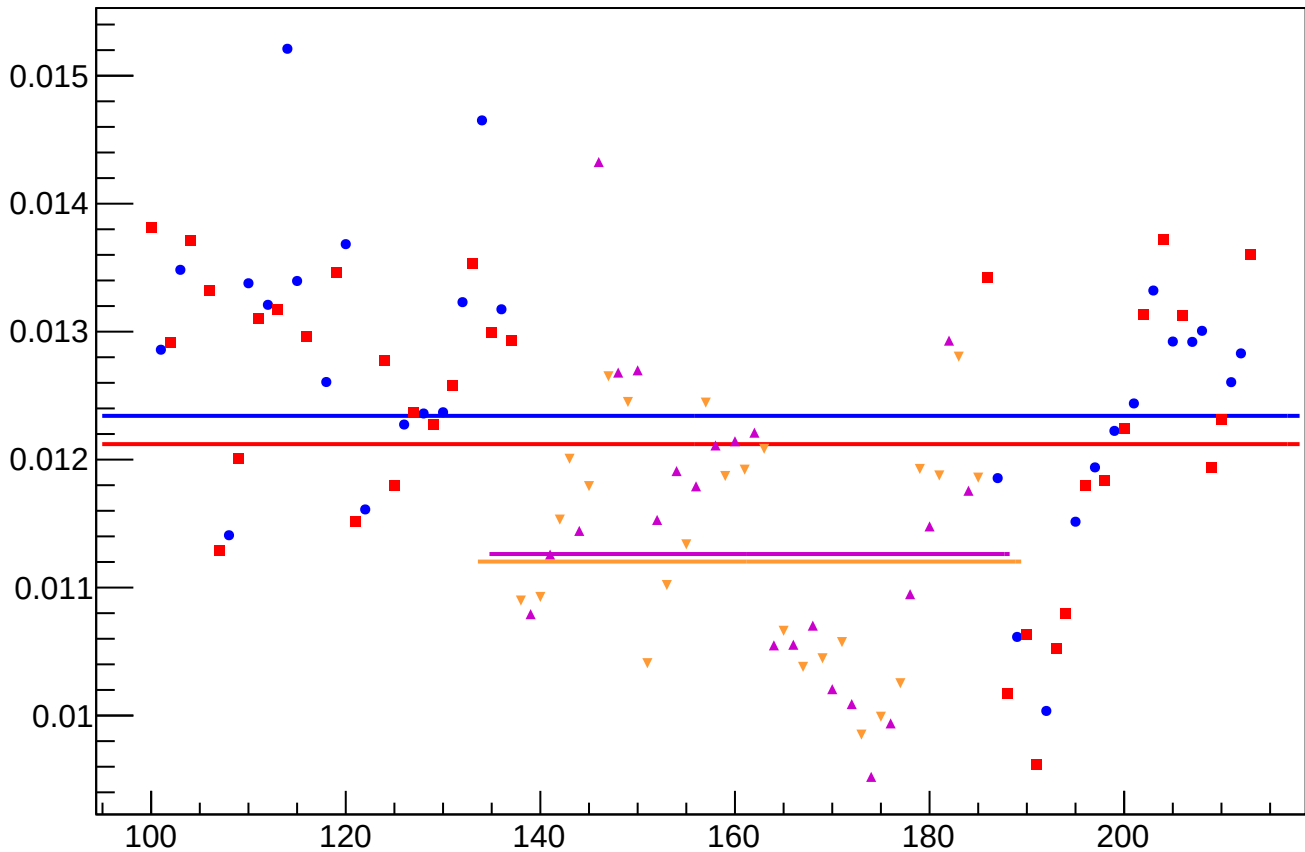
Left In: 1.552 $\pm$ 0.000 χ^2 /NDF: 14055987405.9/22

+ sign 1.396 $\pm$ 0.000 χ^2 /NDF: 60171008776.1/53

All: 1.364 $\pm$ 0.000 χ^2 /NDF: 123349956705.7

- sign 1.333 $\pm$ 0.000 χ^2 /NDF: 62676250204.7/56

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 237392.4/28

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:223594.3/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 325998.2/33

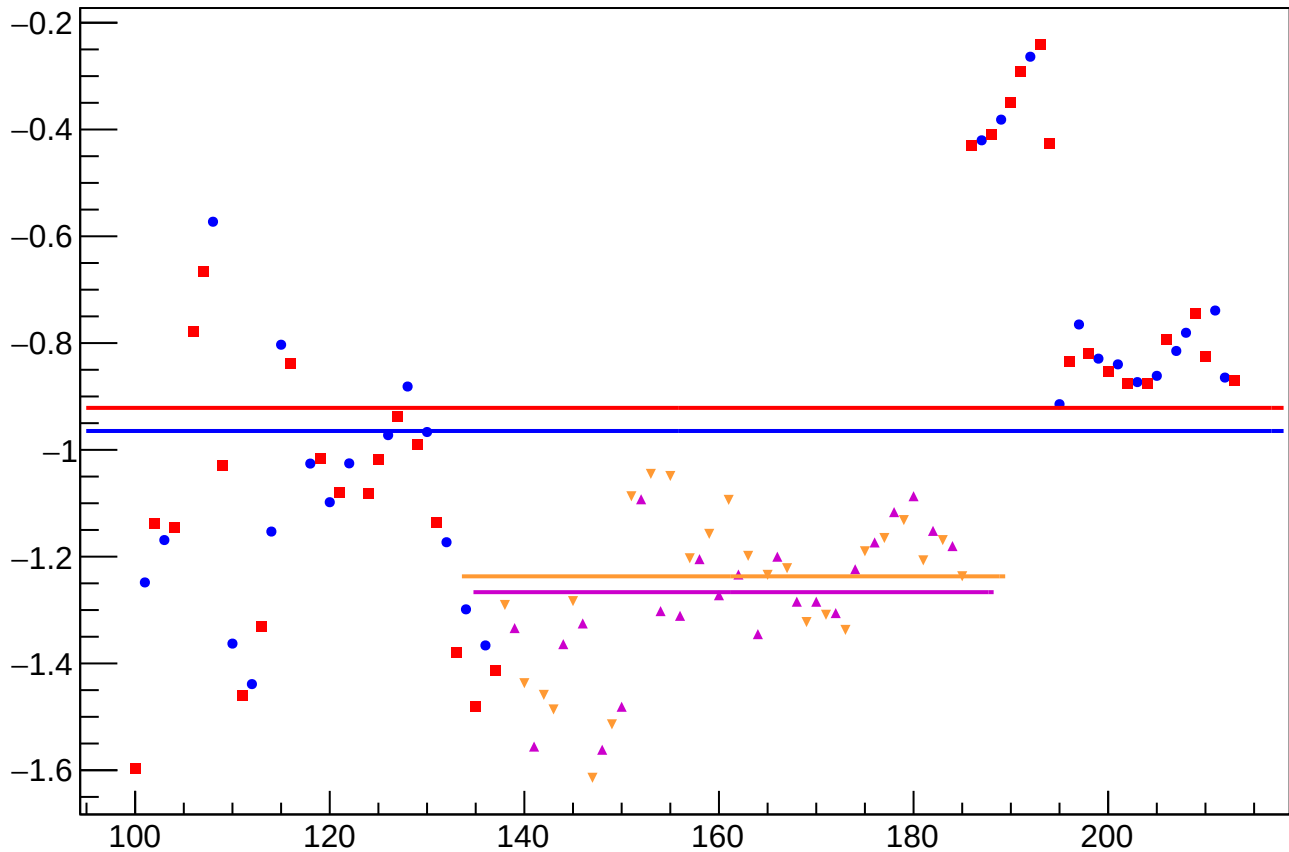
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:311660.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 625388.1/53

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1359453.2/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 733946.9/56

yield_bpm0i02aY_mean vs Slug



Right In: -0.965 ± 0.000 $\chi^2/\text{NDF}: 12434769868.7/28$

Left Out: -1.237 ± 0.000 $\chi^2/\text{NDF}: 4972272024.7/24$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 16974349623.0/33$

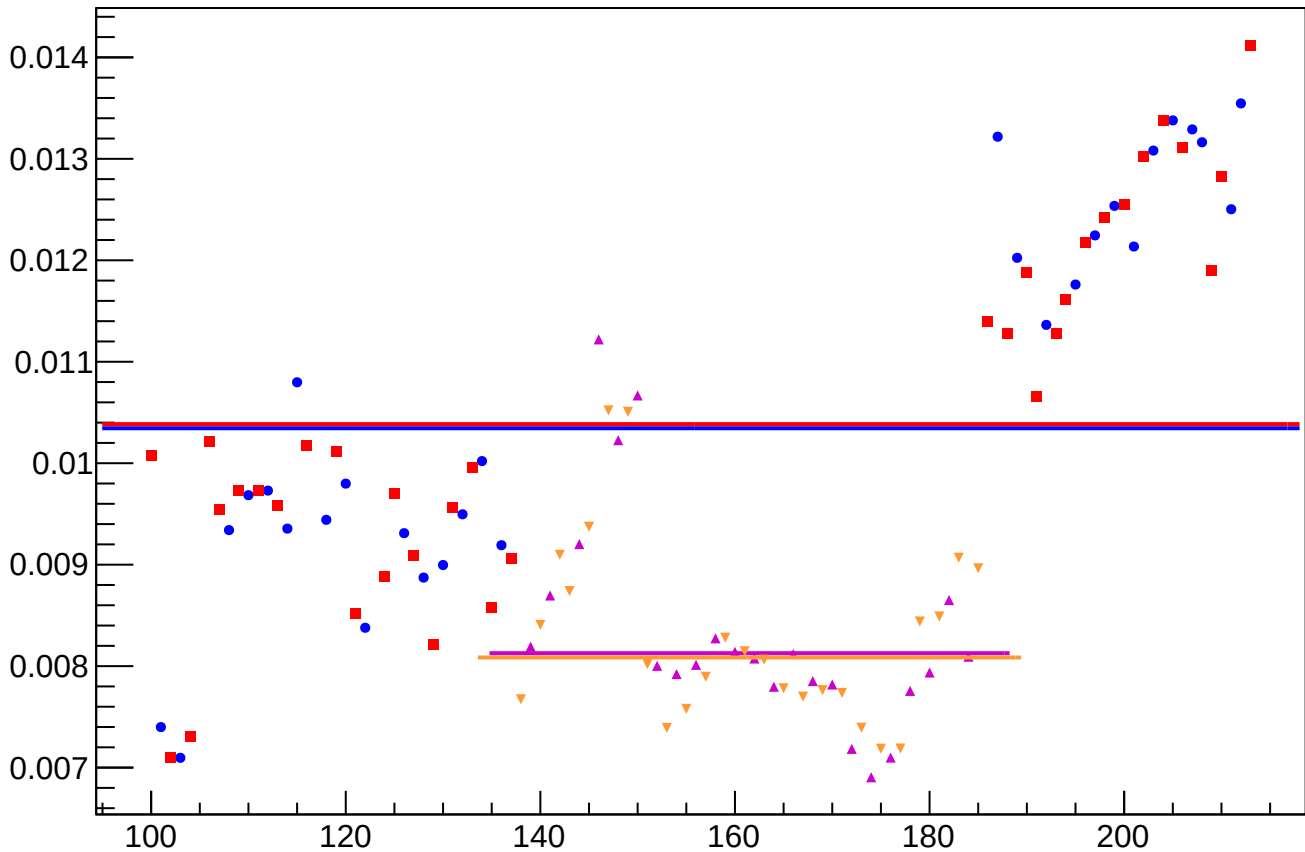
Left In: -1.267 ± 0.000 $\chi^2/\text{NDF}: 3674801511.3/22$

+ sign -1.140 ± 0.000 $\chi^2/\text{NDF}: 24676885781.4/53$

All: -1.137 ± 0.000 $\chi^2/\text{NDF}: 57304413114.8/100$

- sign -1.133 ± 0.000 $\chi^2/\text{NDF}: 32615502627.6/56$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1269467.5/28

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:326825.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1285475.6/33

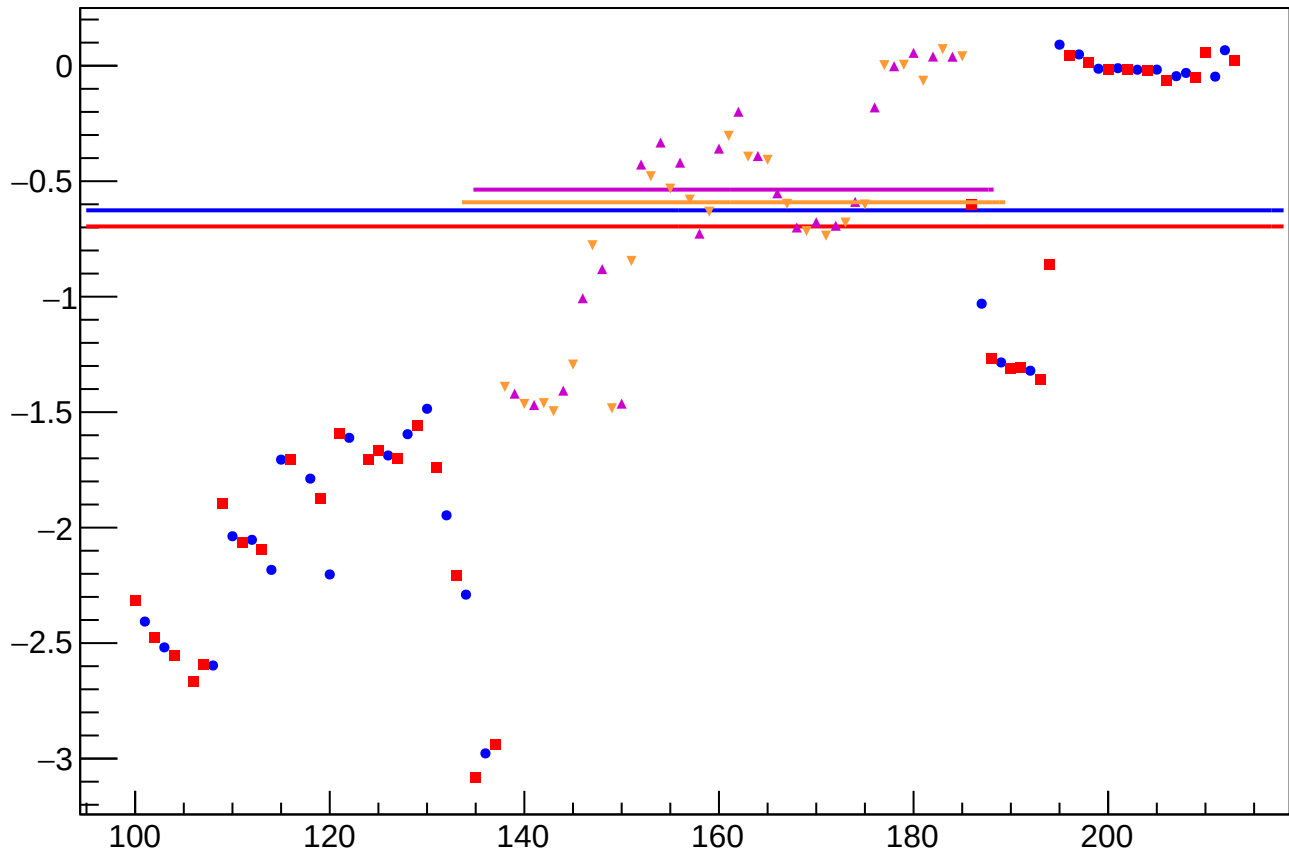
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:409030.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2597742.7/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5322382.2/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2718934.9/56

yield_bpm0i05X_mean vs Slug



Right In: -0.626 ± 0.000 χ^2/NDF : 394580348989.1/28

Left Out: -0.591 ± 0.000 χ^2/NDF : 72678844667.5/24

Right Out: -0.696 ± 0.000 χ^2/NDF : 429475885817.6/33

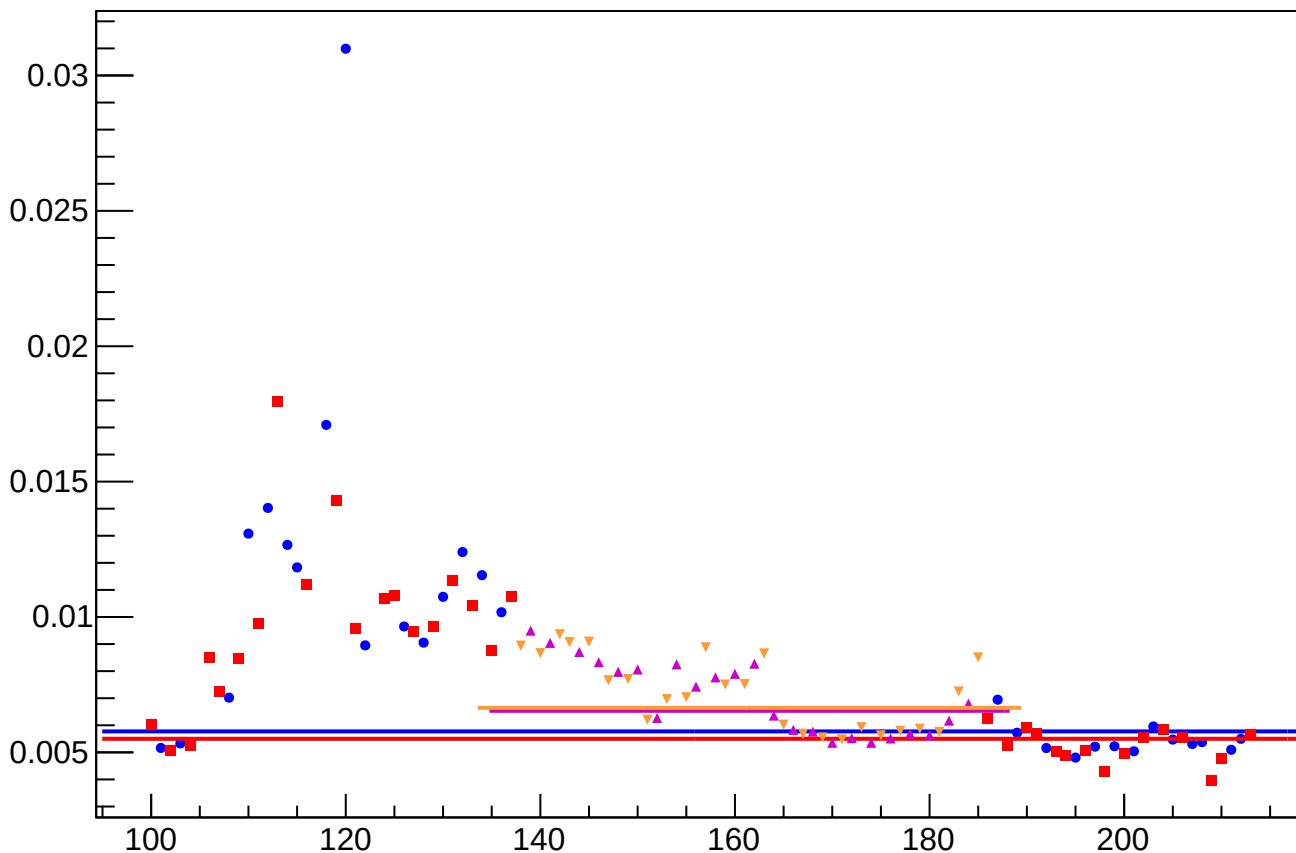
Left In: -0.536 ± 0.000 χ^2/NDF : 70168781562.6/22

+ sign -0.610 ± 0.000 χ^2/NDF : 467504099105.3/53

All: -0.620 ± 0.000 χ^2/NDF : 972789163505.1

- sign -0.629 ± 0.000 χ^2/NDF : 505126579963.7/56

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2541629.4/28

Left Out: 0.007+/-0.000 χ^2/NDF :1091920.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2676440.8/33

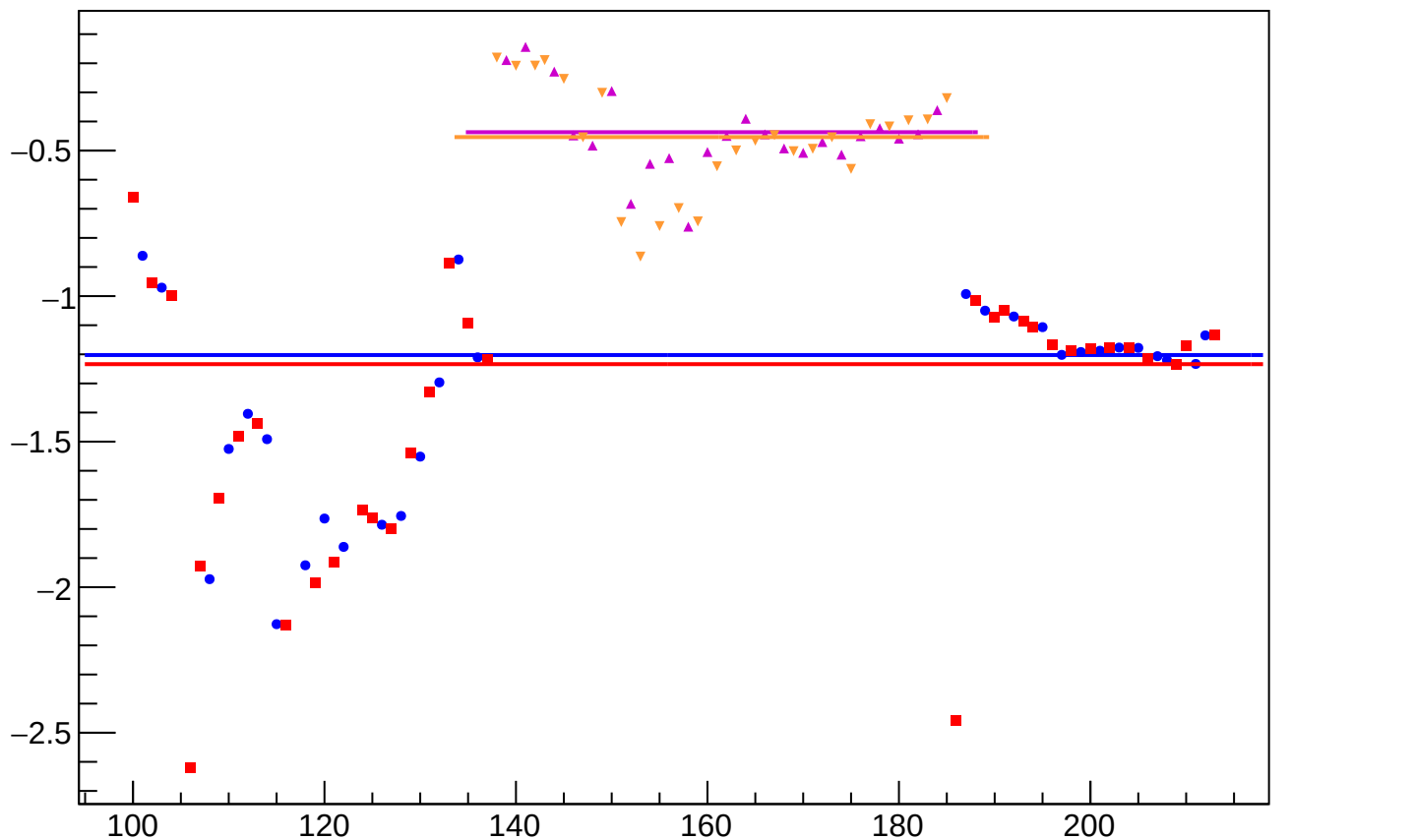
Left In: 0.007+/-0.000 χ^2/NDF :1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 3937904.6/53

All: 0.006+/-0.000 χ^2/NDF : 8280475.5/110

- sign 0.006+/-0.000 χ^2/NDF : 4289498.3/56

yield_bpm0i05Y_mean vs Slug



Right In: -1.202+/-0.000 χ^2 /NDF: 27344673992.5/28

Left Out: -0.454+/-0.000 χ^2 /NDF: 29096412438.0/24

Right Out: -1.234+/-0.000 χ^2 /NDF: 72815210638.7/33

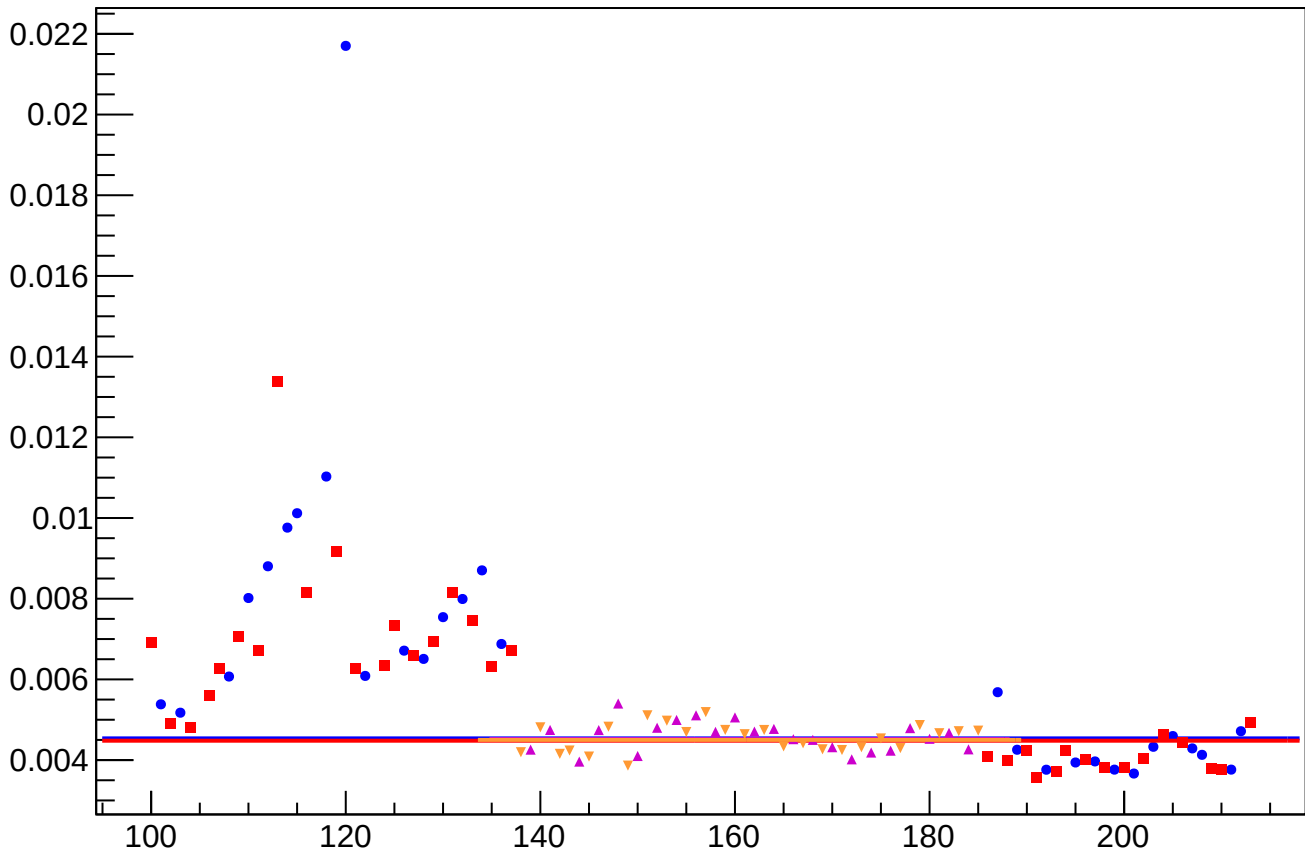
Left In: -0.437+/-0.000 χ^2 /NDF: 16544160360.6/22

+ sign -0.786+/-0.000 χ^2 /NDF: 273180176876.9/53

All: -0.808+/-0.000 χ^2 /NDF: 619174909590.4

- sign -0.830+/-0.000 χ^2 /NDF: 344509138831.3/56

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2247004.8/28

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:189230.5/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1979989.0/33

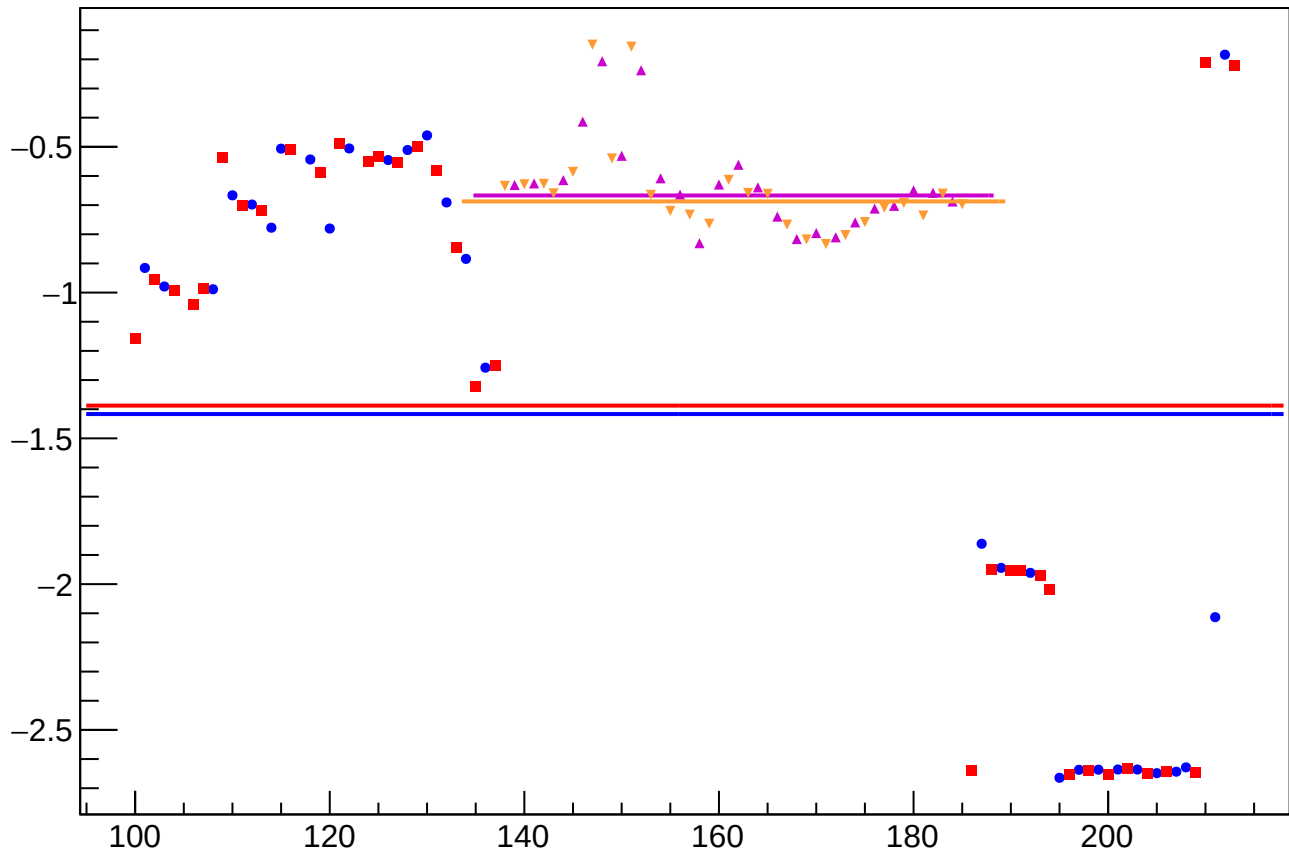
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:212056.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2437287.2/53

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4631049.1/110

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2193327.4/56

yield_bpm0i07X_mean vs Slug



Right In: -1.417+/-0.000 χ^2/NDF : 432947015790.7/28

Left Out: -0.687+/-0.000 χ^2/NDF : 22462821855.7/24

Right Out: -1.388+/-0.000 χ^2/NDF : 654326589683.0/33

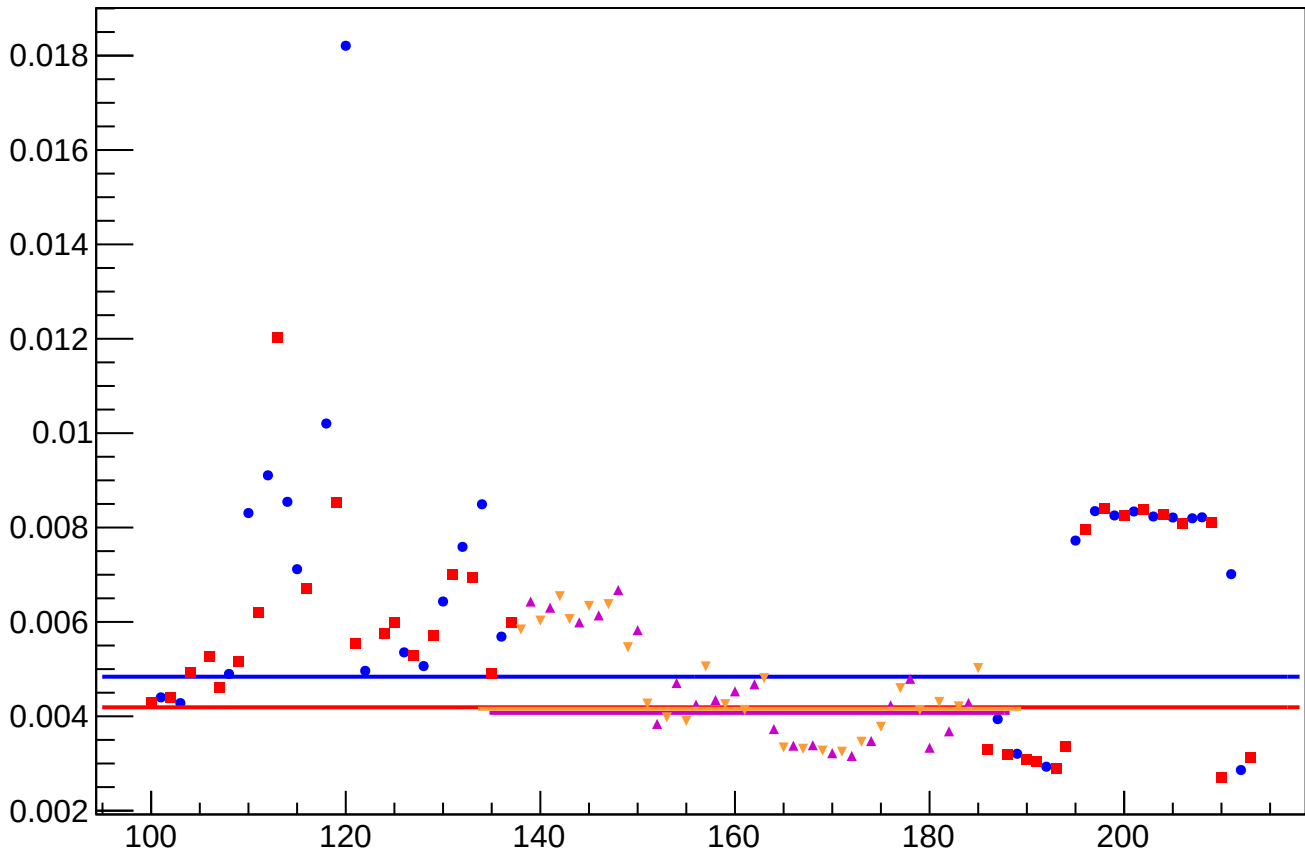
Left In: -0.667+/-0.000 χ^2/NDF : 22531477329.1/22

+ sign -0.958+/-0.000 χ^2/NDF : 645806410525.9/53

All: -0.983+/-0.000 χ^2/NDF : 1555796997114

- sign -1.004+/-0.000 χ^2/NDF : 908224666454.7/56

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 5380349.2/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1520055.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 5565335.0/33

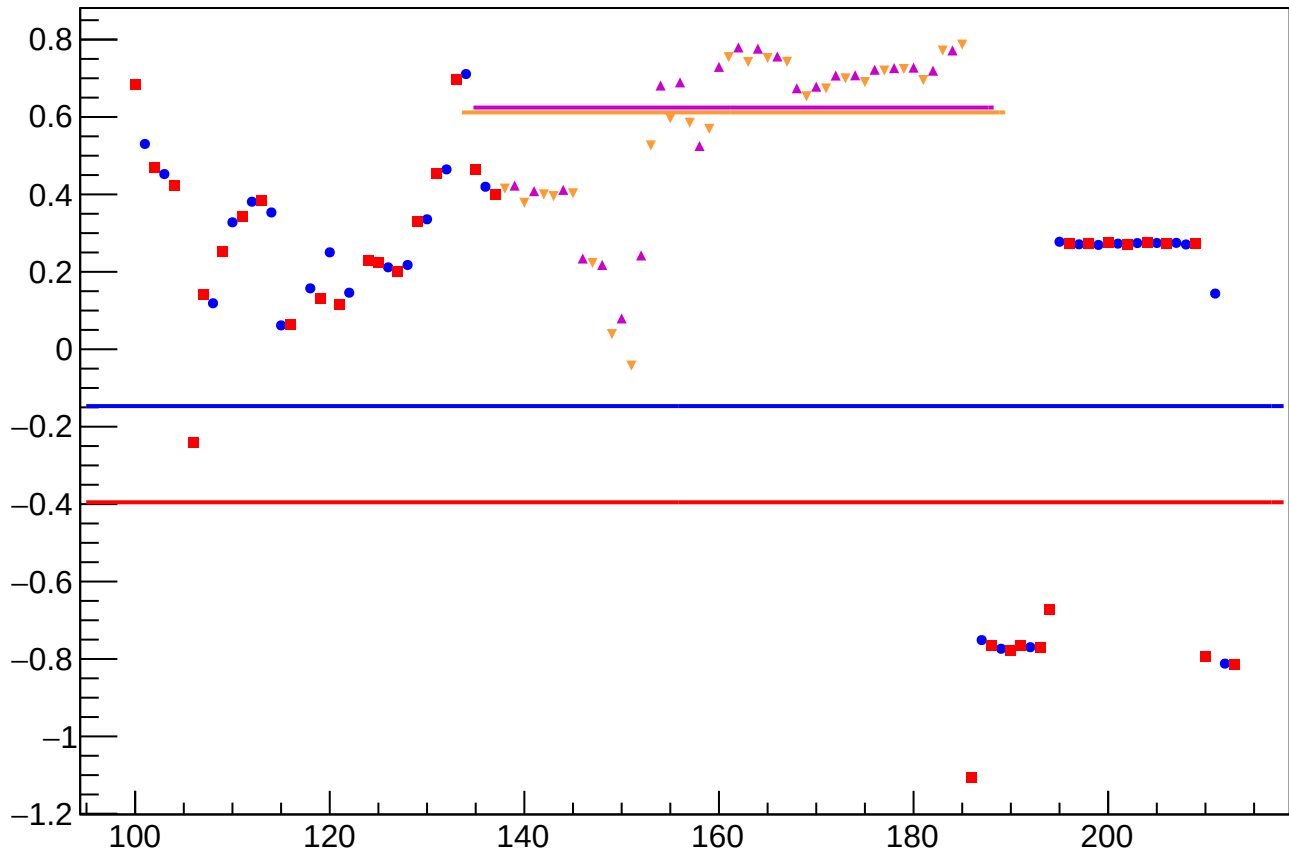
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1750303.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7229964.5/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14691327.8/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7328105.4/56

yield_bpm0i07Y_mean vs Slug



Right In: -0.147 ± 0.000 χ^2/NDF : 369007190423.0/28

Left Out: 0.612 ± 0.000 χ^2/NDF : 45742599949.2/24

Right Out: -0.395 ± 0.000 χ^2/NDF : 558043052673.3/33

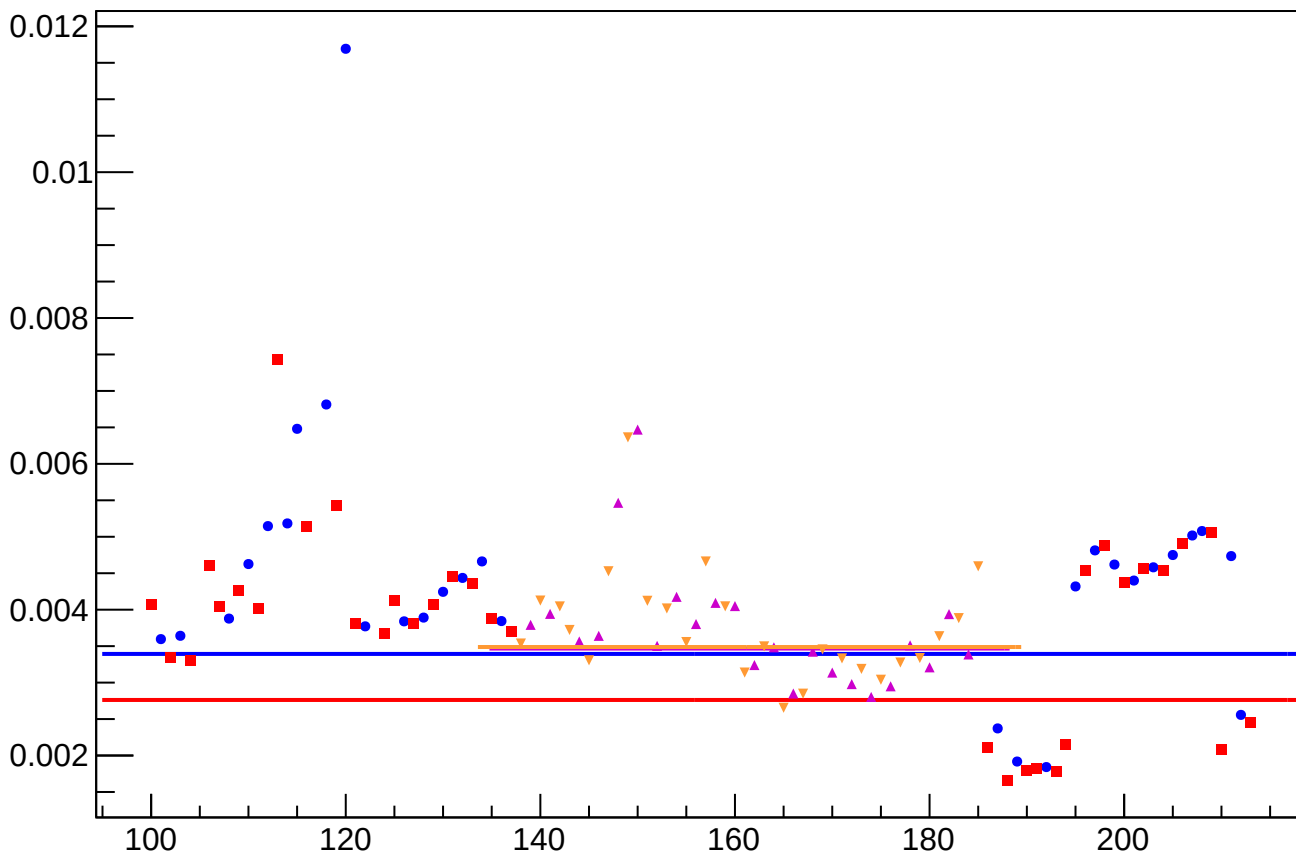
Left In: 0.624 ± 0.000 χ^2/NDF : 40353141115.4/22

+ sign 0.245 ± 0.000 χ^2/NDF : 781369254231.0/53

All: 0.114 ± 0.000 χ^2/NDF : 2254077815508.

- sign 0.009 ± 0.000 χ^2/NDF : 1393408941964.7/56

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4030750.4/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:850746.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5432406.5/33

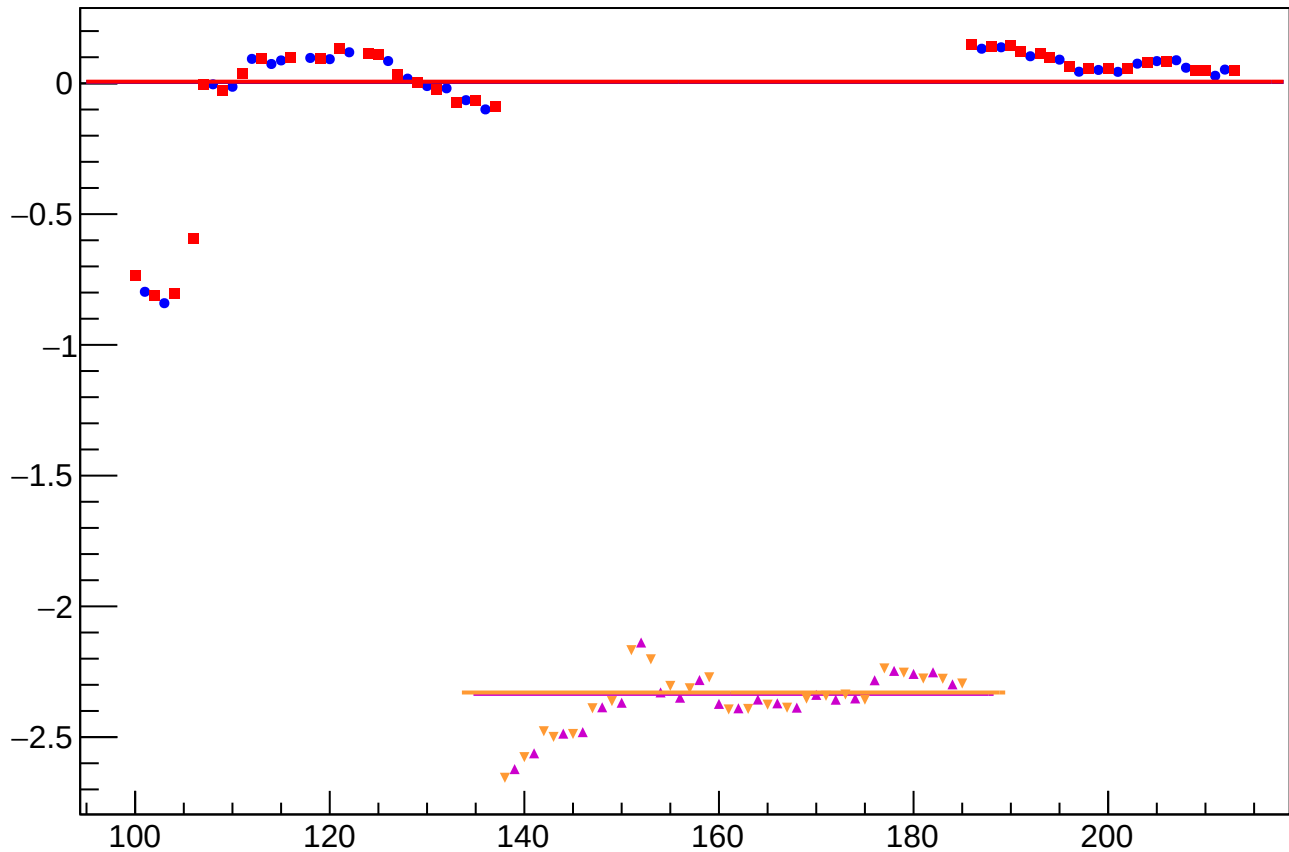
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:894124.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4892945.0/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 12435634.4/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7086616.3/56

yield_bpm1i02X_mean vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 6565983504.9/28

Left Out: -2.329+/-0.000 χ^2/NDF : 1982733526.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 7837209775.7/33

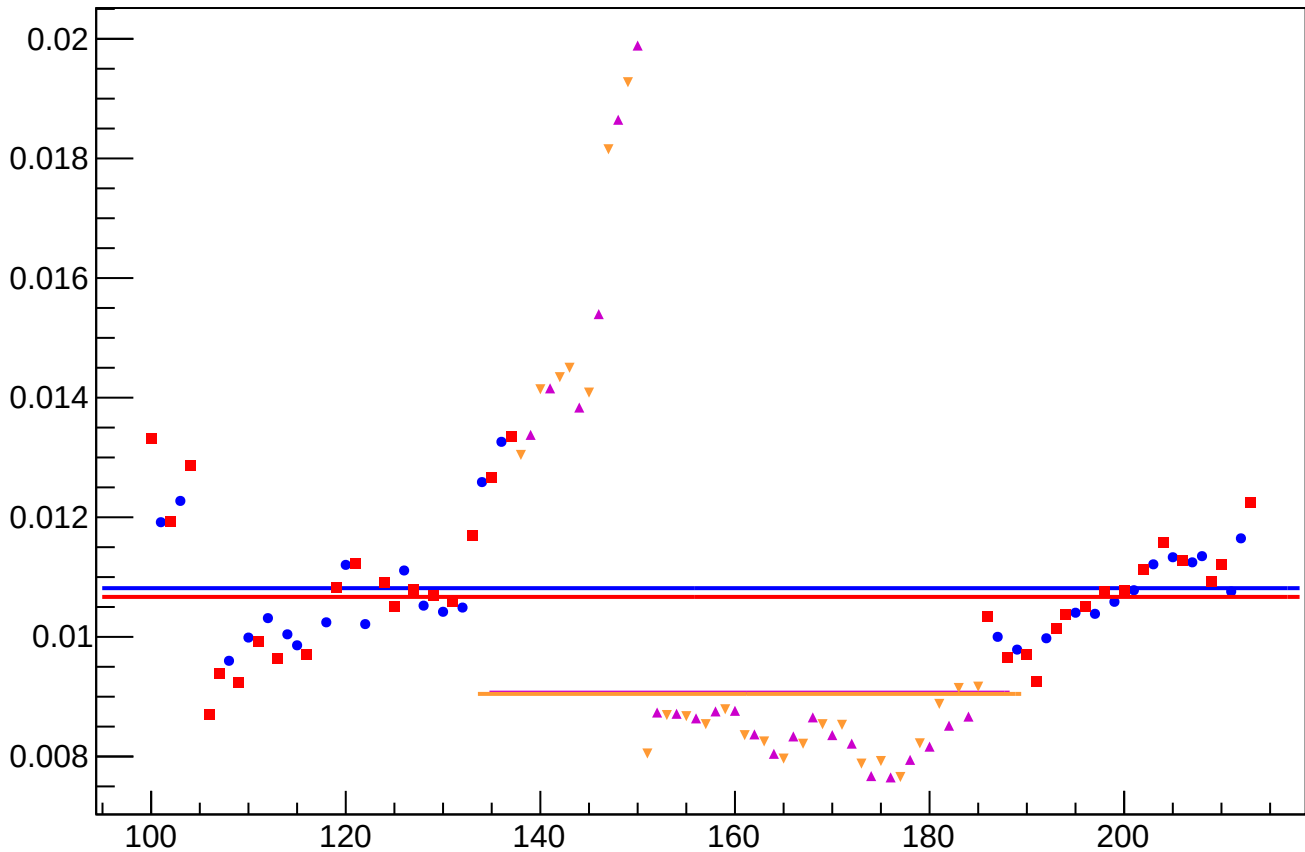
Left In: -2.335+/-0.000 χ^2/NDF : 1676703216.8/22

+ sign -1.399+/-0.000 χ^2/NDF : 491273993801.9/53

All: -1.350+/-0.000 χ^2/NDF : 1007195484276

- sign -1.302+/-0.000 χ^2/NDF : 514167976483.9/56

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 192588.6/28

Left Out: 0.009+/-0.000 χ^2/NDF : 2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 291101.6/33

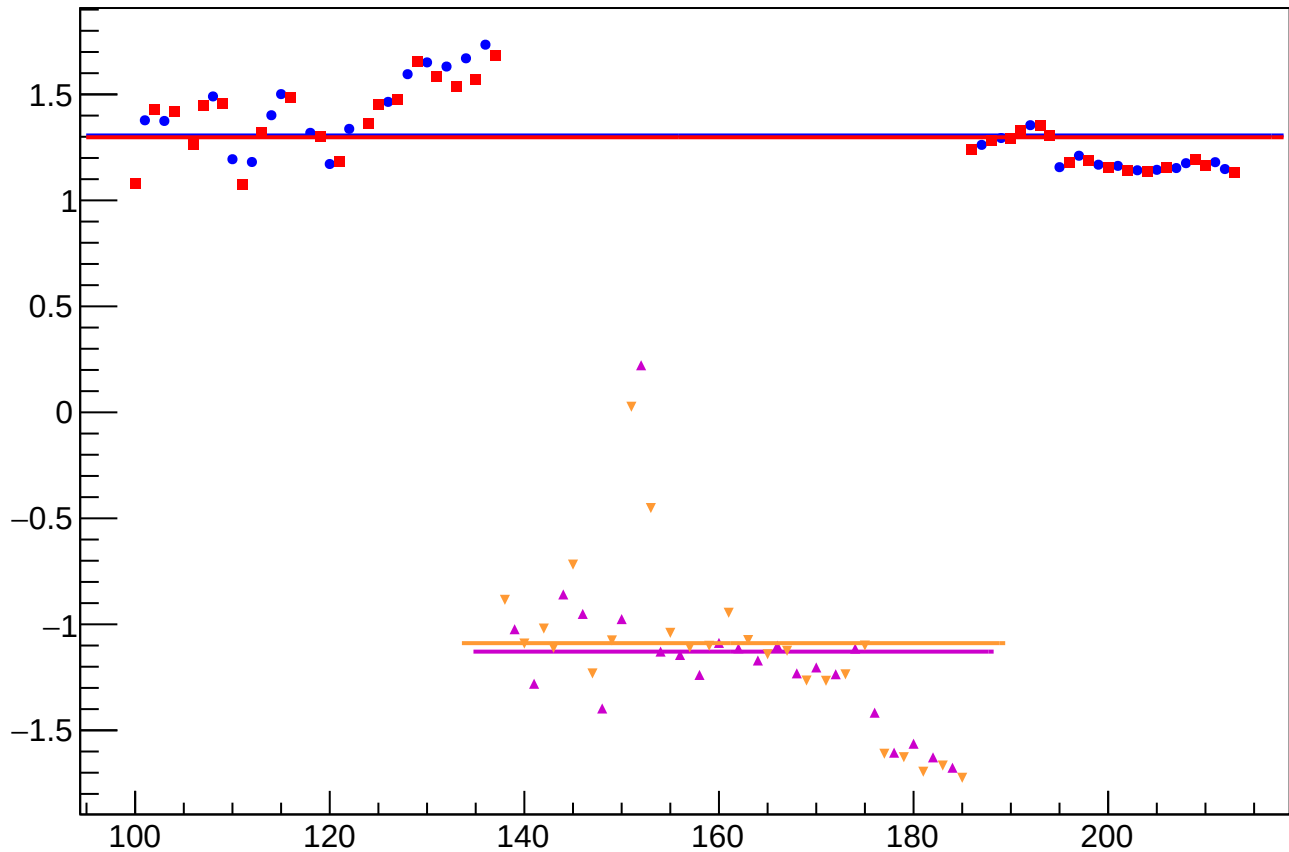
Left In: 0.009+/-0.000 χ^2/NDF : 2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF : 2795003.7/53

All: 0.010+/-0.000 χ^2/NDF : 5692115.0/110

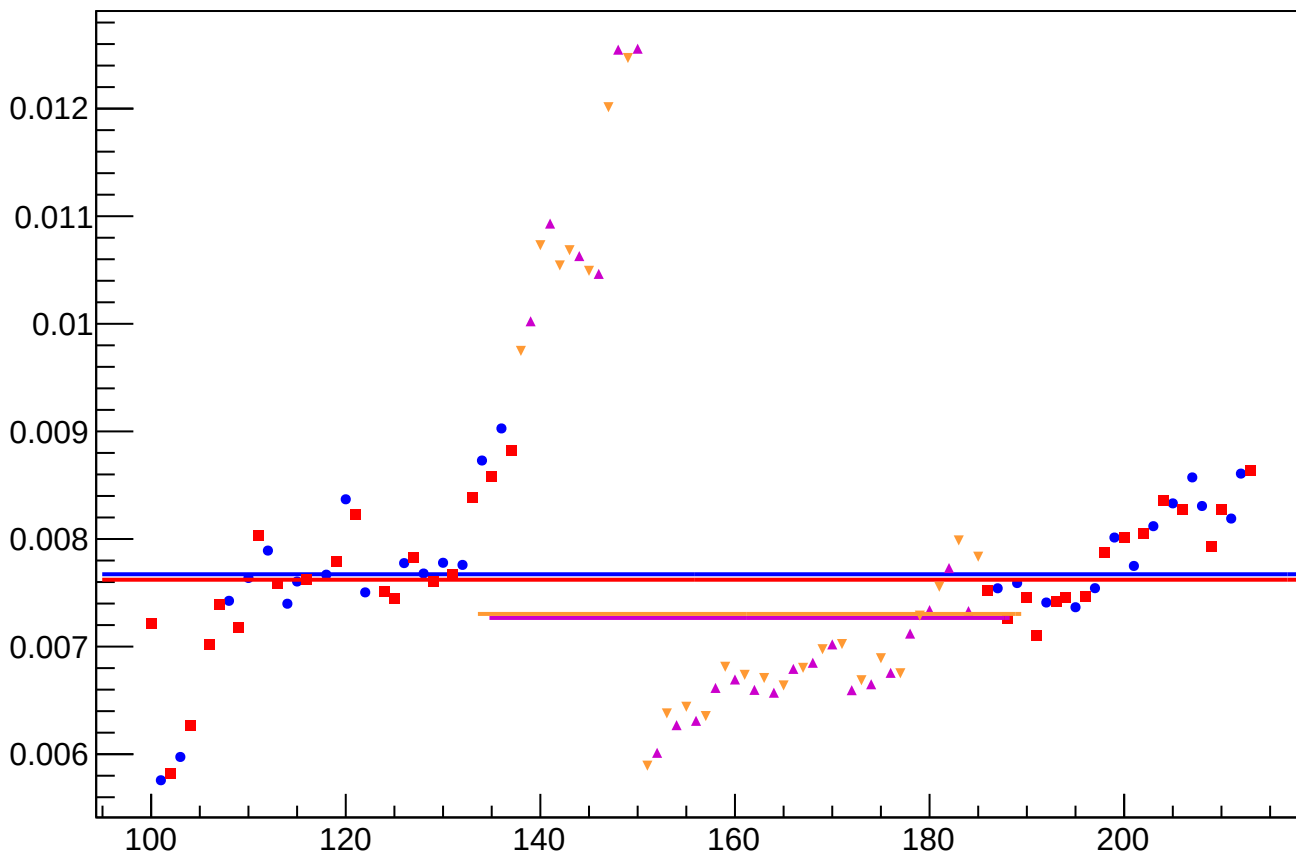
- sign 0.010+/-0.000 χ^2/NDF : 2896922.4/56

yield_bpm1i02Y_mean vs Slug



Right In: 1.306 $\pm$ 0.000	χ^2 /NDF: 8895056931.2/28	+ sign 0.005 $\pm$ 0.000	χ^2 /NDF: 977409519781.5/53
Left Out: -1.089 $\pm$ 0.000	χ^2 /NDF: 61255304912.3/24	All: 0.038 $\pm$ 0.000	χ^2 /NDF: 2007626858732.
Right Out: 1.298 $\pm$ 0.000	χ^2 /NDF: 7100503745.6/33	- sign 0.071 $\pm$ 0.000	χ^2 /NDF: 1028824123552.0/56
Left In: -1.129 $\pm$ 0.000	χ^2 /NDF: 58876825364.1/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 378418.6/28

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1504103.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 302819.2/33

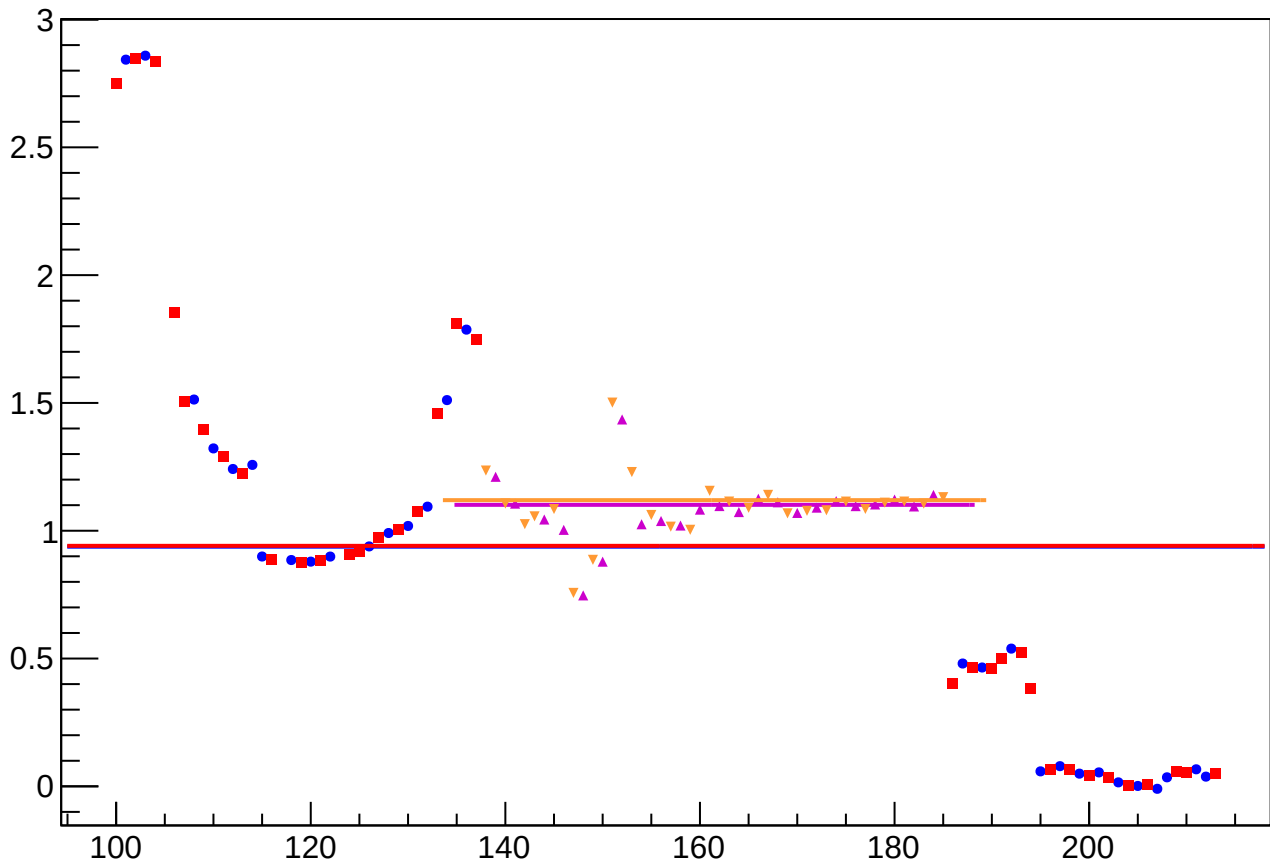
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1560089.8/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1925538.2/53

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3830307.7/110

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1904185.8/56

yield_bpm1i04X_mean vs Slug



Right In: 0.938 $\pm$ 0.000 χ^2 /NDF: 148596449678.5/28

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF: 5515079117.9/24

+ sign 1.047 $\pm$ 0.000 χ^2 /NDF: 158862499172.4/53

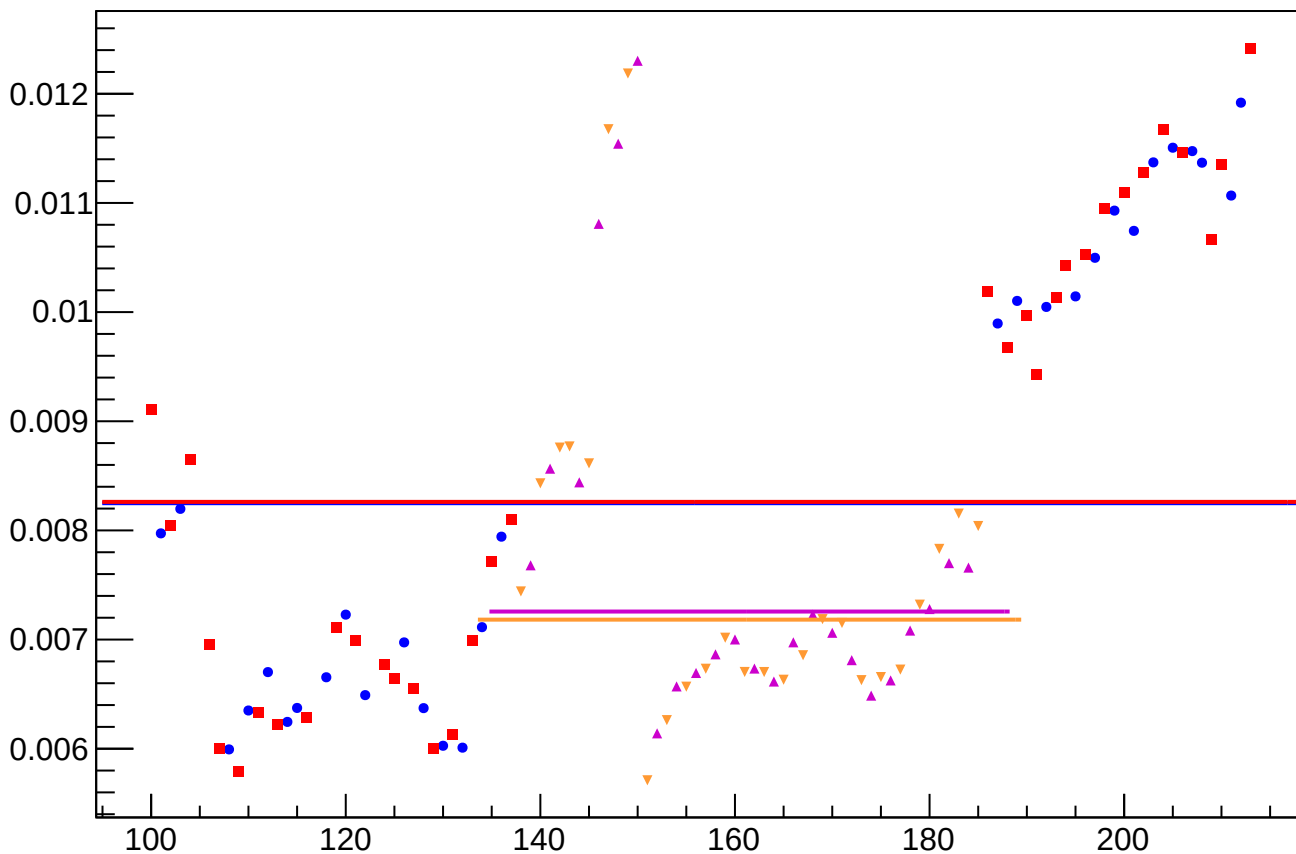
Right Out: 0.941 $\pm$ 0.000 χ^2 /NDF: 147208067176.9/33

All: 1.039 $\pm$ 0.000 χ^2 /NDF: 314104829703.7

Left In: 1.101 $\pm$ 0.000 χ^2 /NDF: 4201972548.8/22

- sign 1.031 $\pm$ 0.000 χ^2 /NDF: 155168412116.8/56

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2047318.2/28

Left Out: 0.007+/-0.000 χ^2/NDF : 893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2308883.5/33

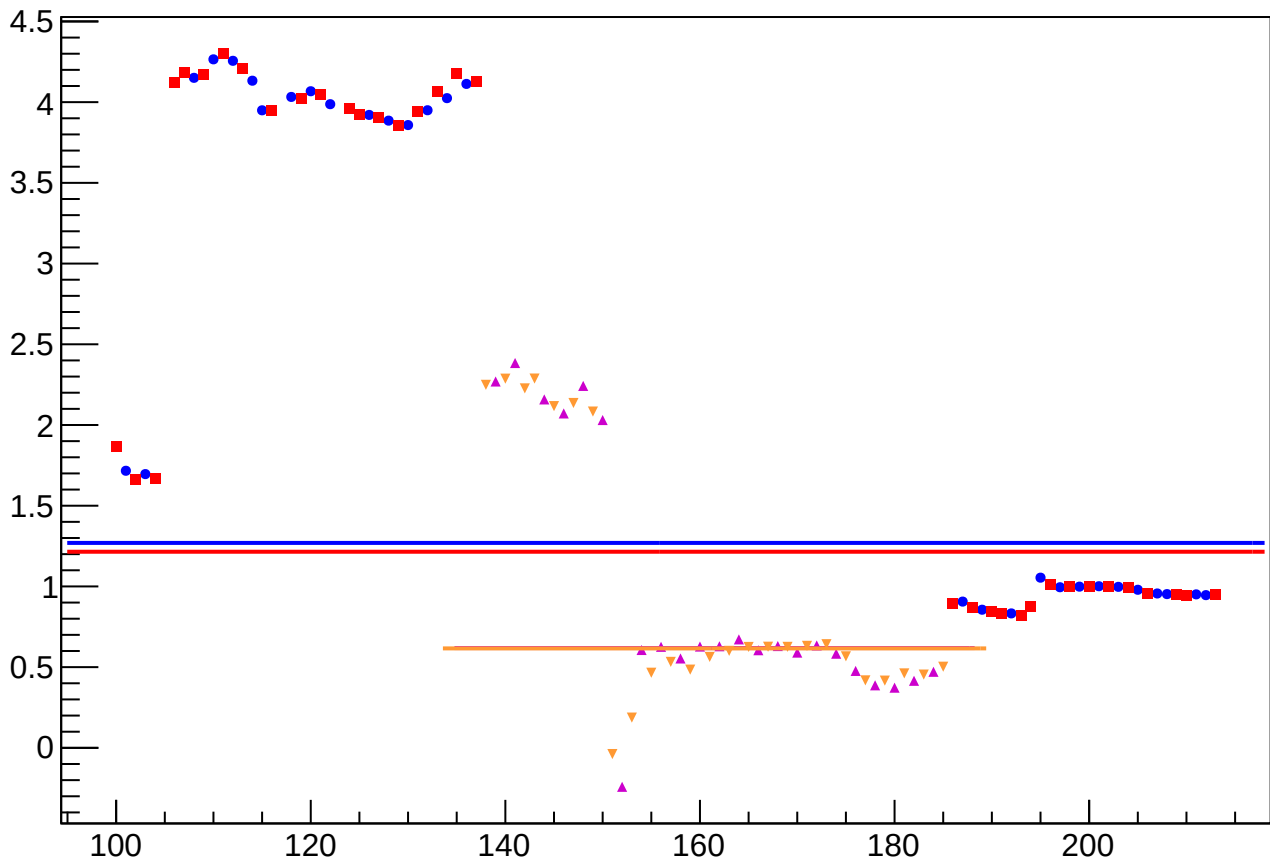
Left In: 0.007+/-0.000 χ^2/NDF : 916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 3267821.0/53

All: 0.008+/-0.000 χ^2/NDF : 6792723.2/110

- sign 0.008+/-0.000 χ^2/NDF : 3520364.3/56

yield_bpm1i04Y_mean vs Slug



Right In: 1.270 $\pm$ 0.000 χ^2 /NDF: 1618421488782.1/28

Left Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 251940630795.3/24

Right Out: 1.215 $\pm$ 0.000 χ^2 /NDF: 1790192655193.4/33

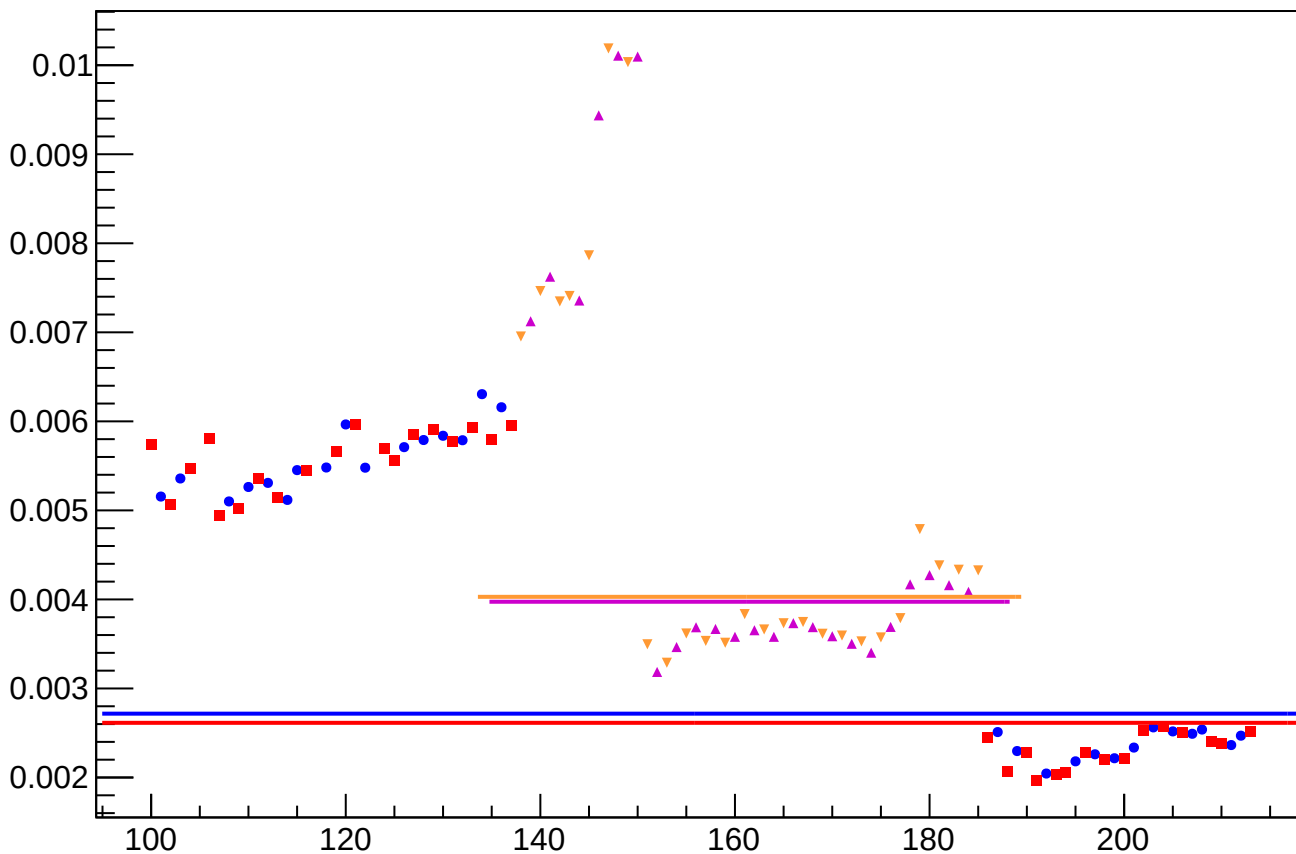
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF: 254248143278.9/22

+ sign 1.040 $\pm$ 0.000 χ^2 /NDF: 2163293298600.0/53

All: 1.035 $\pm$ 0.000 χ^2 /NDF: 4460658613250.0

- sign 1.031 $\pm$ 0.000 χ^2 /NDF: 2297220189113.2/56

yield_bpm1i04Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4423378.7/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:2965028.8/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4712680.1/33

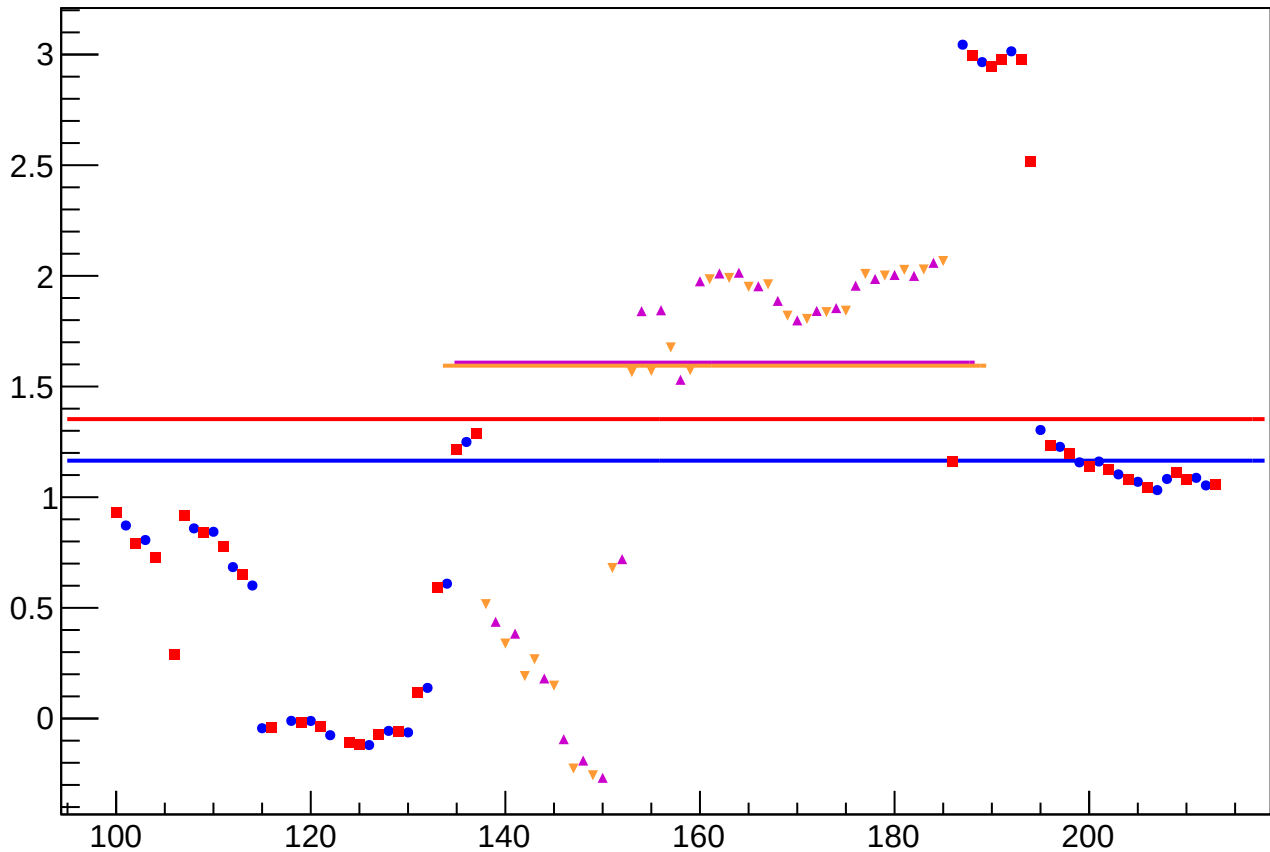
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:3121901.5/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9750473.9/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 20276530.3/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10460891.2/56

yield_bpm1i06X_mean vs Slug



Right In: 1.165+/-0.000 χ^2/NDF : 77844875983.7/28

Left Out: 1.594+/-0.000 χ^2/NDF : 62632055963.2/24

Right Out: 1.353+/-0.000 χ^2/NDF : 106860802086.7/33

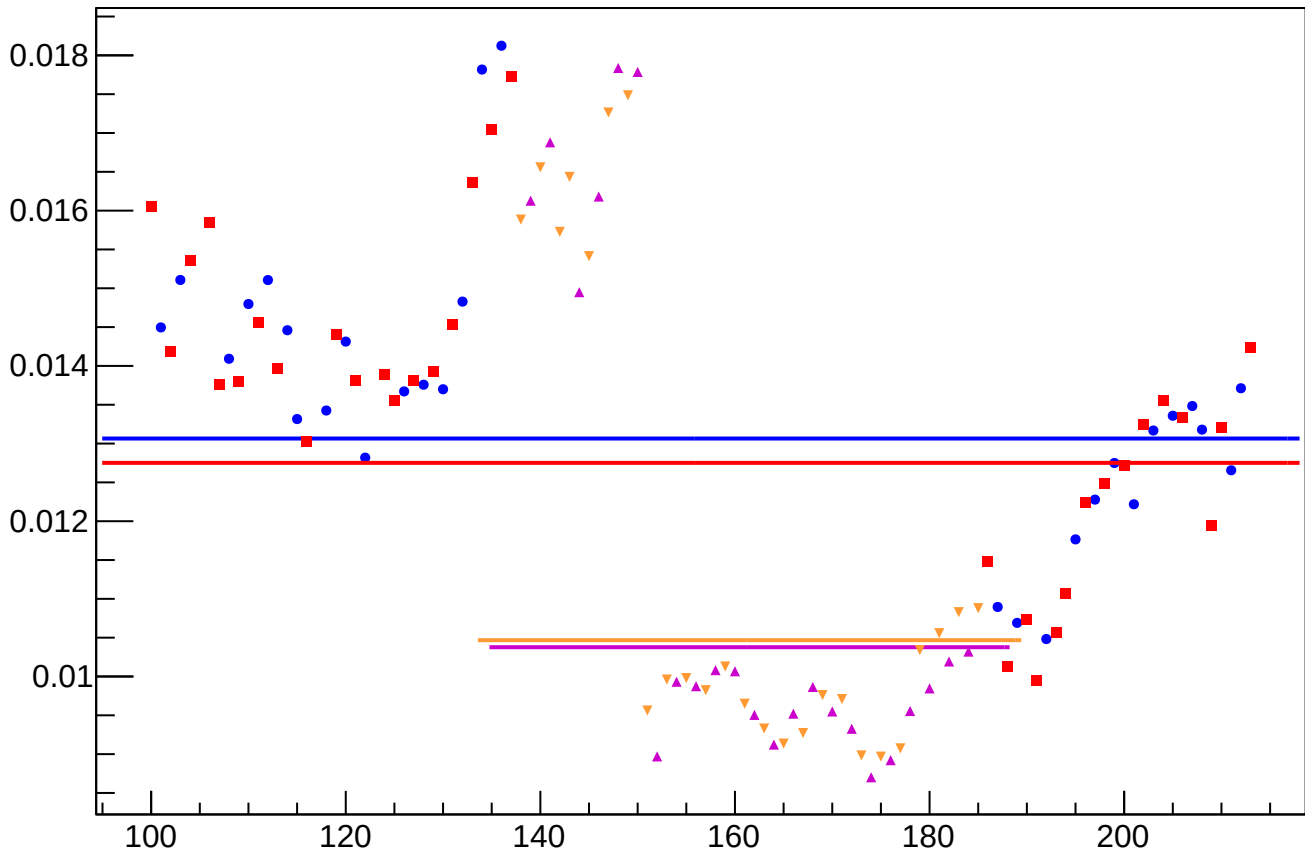
Left In: 1.608+/-0.000 χ^2/NDF : 66403809503.4/22

+ sign 1.434+/-0.000 χ^2/NDF : 151958010478.4/53

All: 1.469+/-0.000 χ^2/NDF : 330181846953.3

- sign 1.503+/-0.000 χ^2/NDF : 177586647673.8/56

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 510391.8/28

Left Out: 0.010+/-0.000 χ^2/NDF :1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 634768.8/33

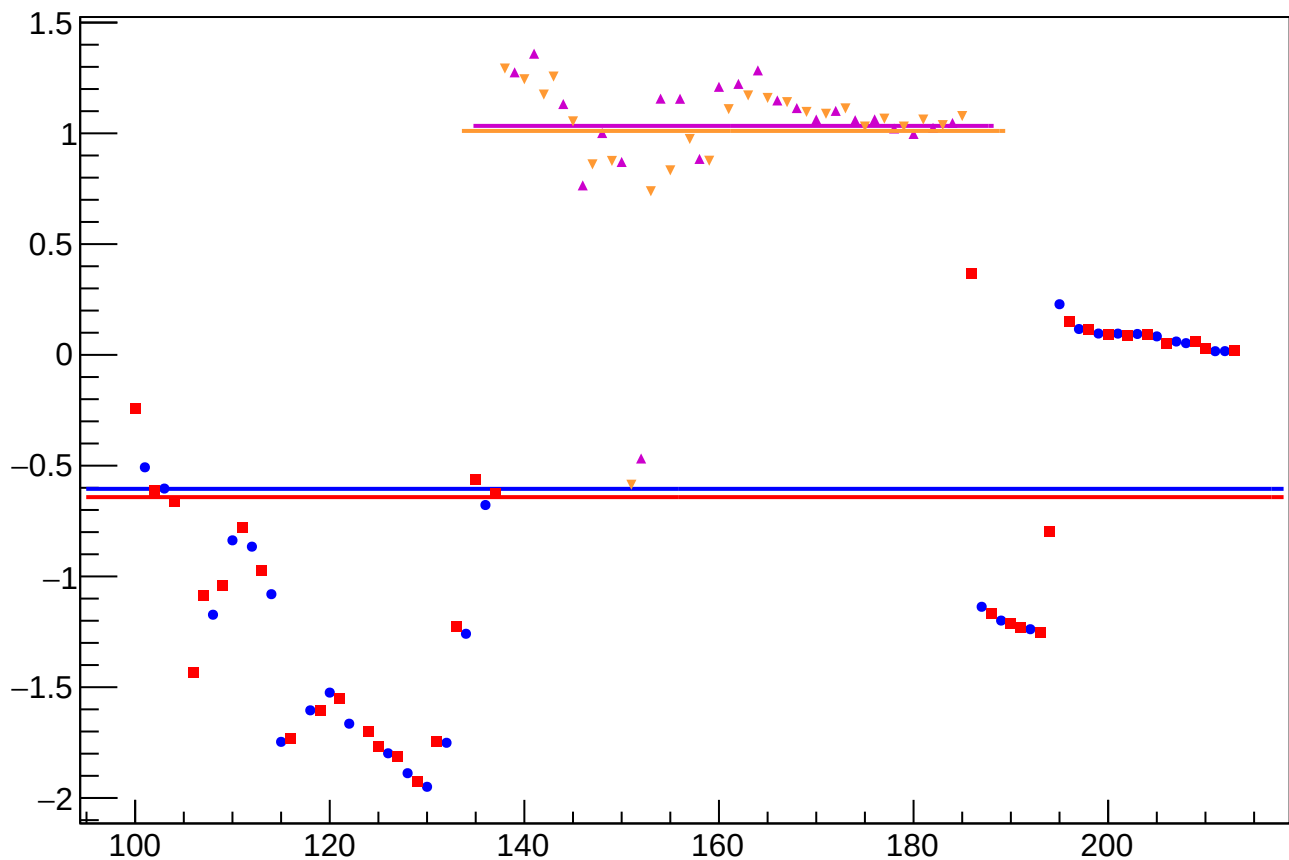
Left In: 0.010+/-0.000 χ^2/NDF :1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 3012432.3/53

All: 0.011+/-0.000 χ^2/NDF : 6107573.4/110

- sign 0.011+/-0.000 χ^2/NDF : 3093416.6/56

yield_bpm1i06Y_mean vs Slug



Right In: -0.605 ± 0.000 χ^2/NDF : 202847431853.0/28

Left Out: 1.011 ± 0.000 χ^2/NDF : 111188616245.0/24

Right Out: -0.642 ± 0.000 χ^2/NDF : 195395567268.8/33

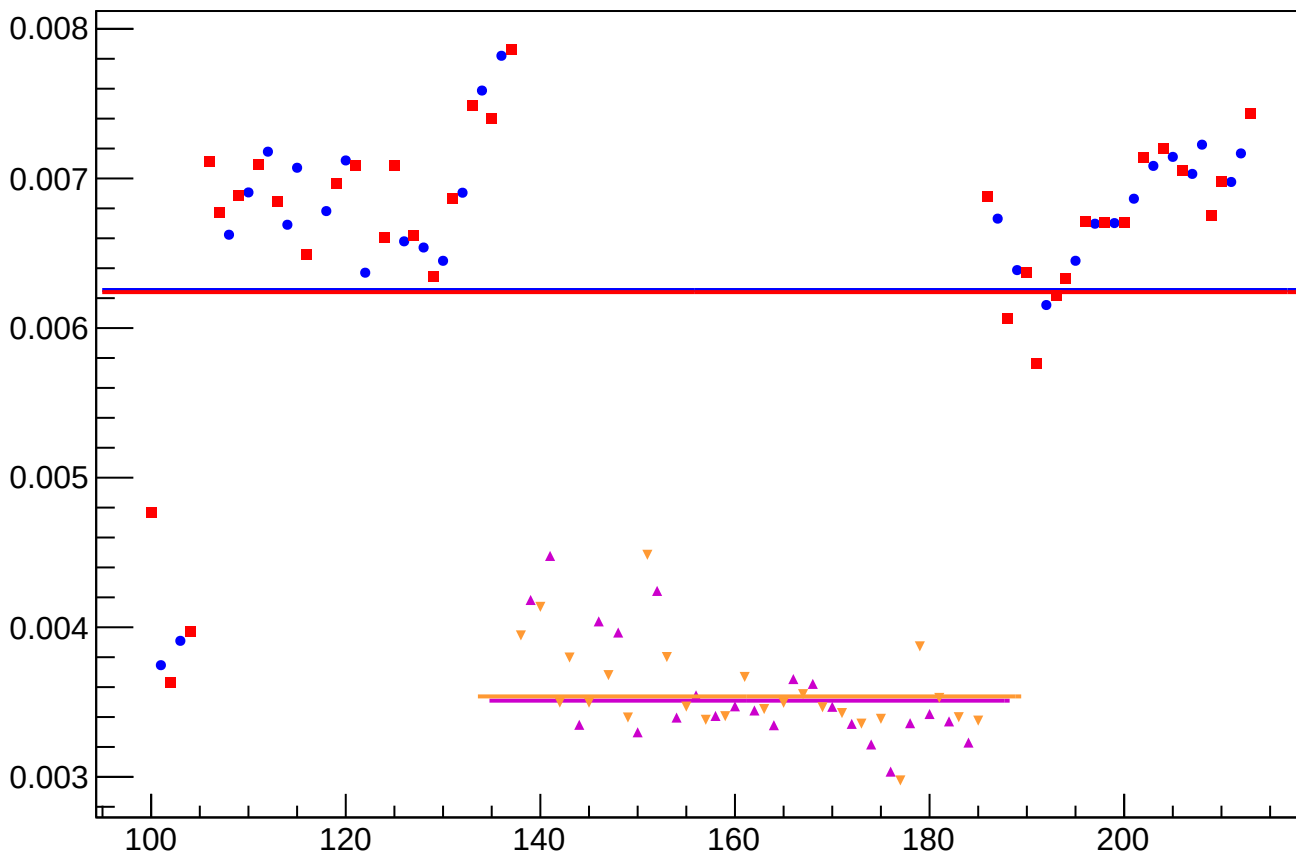
Left In: 1.034 ± 0.000 χ^2/NDF : 125385050389.9/22

+ sign 0.646 ± 0.000 χ^2/NDF : 1141671663616.5/53

All: 0.631 ± 0.000 χ^2/NDF : 2406841651404.0

- sign 0.615 ± 0.000 χ^2/NDF : 1264294603624.9/56

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1250232.9/28

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:215725.1/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1297045.5/33

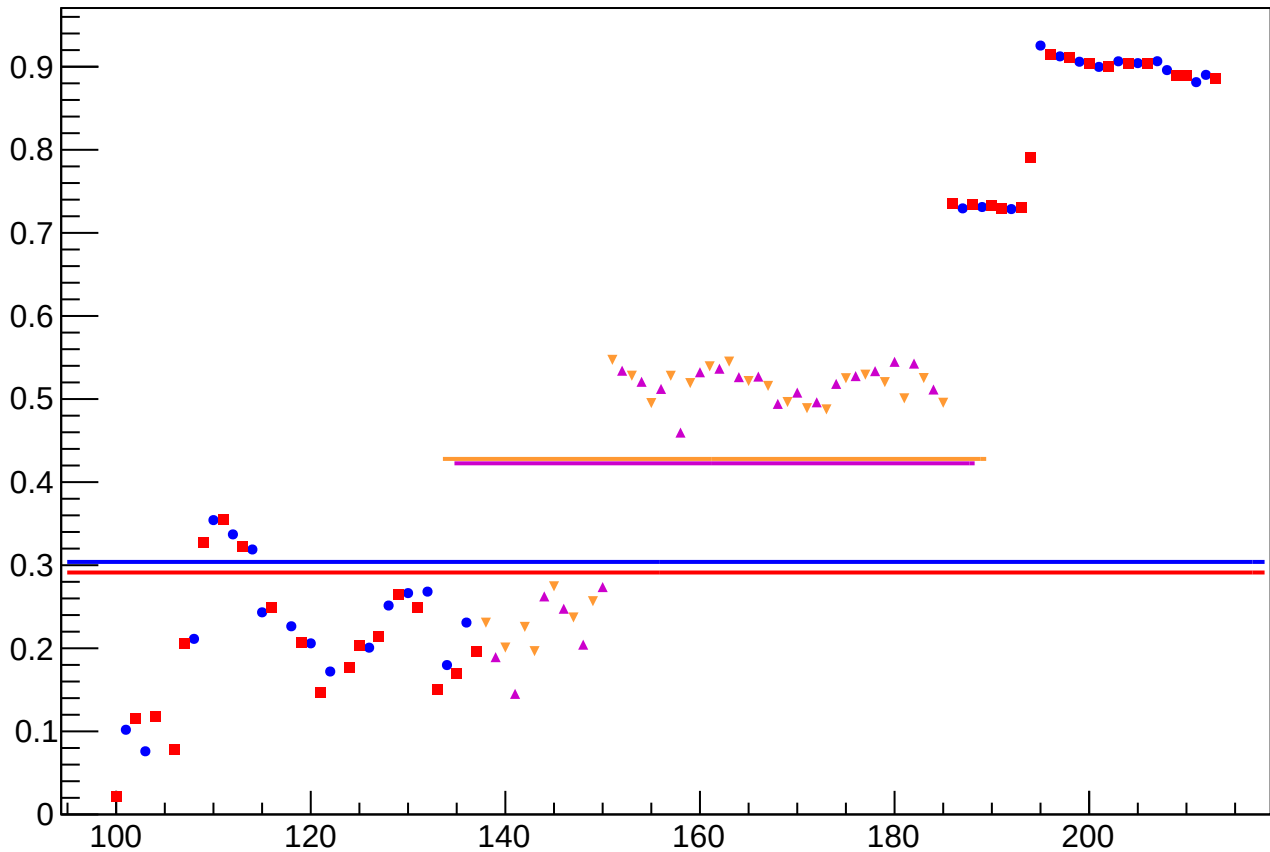
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:284960.7/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6146082.7/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12742647.3/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6593584.1/56

yield_bpm2i01X_mean vs Slug



Right In: 0.304 $\pm$ 0.000 χ^2 /NDF: 211981216050.3/28

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF: 153820853539.2/24

Right Out: 0.291 $\pm$ 0.000 χ^2 /NDF: 236006483879.3/33

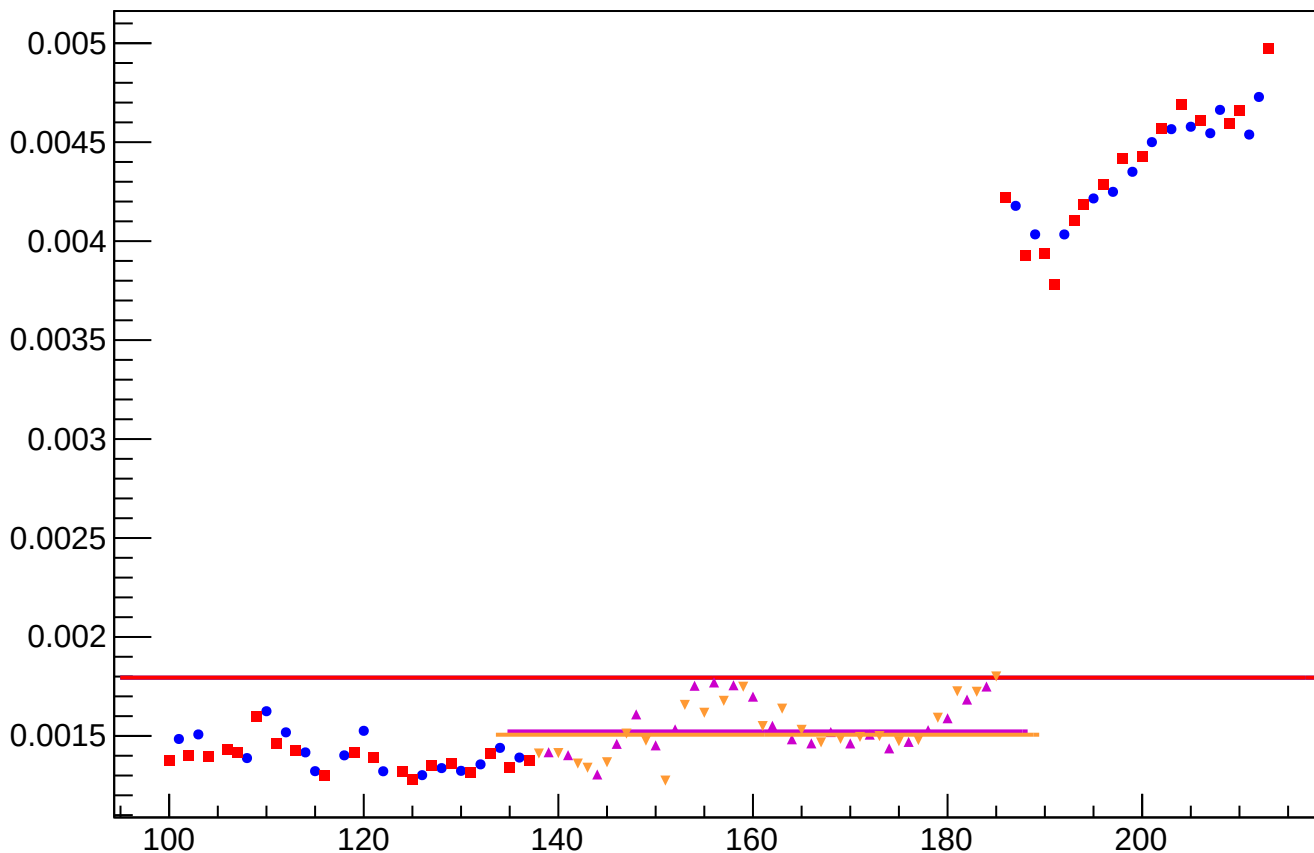
Left In: 0.423 $\pm$ 0.000 χ^2 /NDF: 158122093061.2/22

+ sign 0.388 $\pm$ 0.000 χ^2 /NDF: 407669806661.4/53

All: 0.381 $\pm$ 0.000 χ^2 /NDF: 851169383753.2

- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 442524272015.8/56

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 8244604.5/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:278895.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9307518.1/33

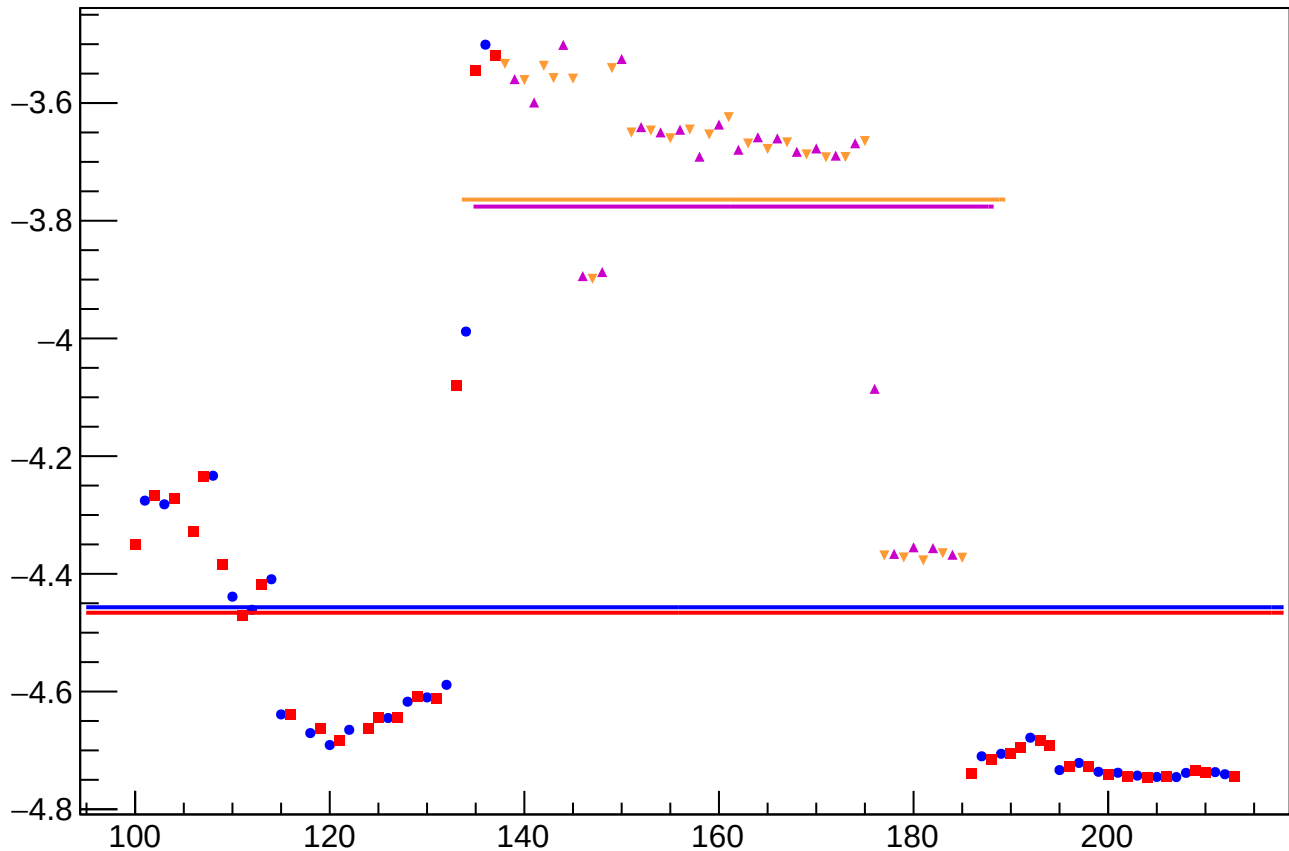
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:234679.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8975852.7/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 18937816.4/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9956300.7/56

yield_bpm2i01Y_mean vs Slug



Right In: -4.457+/-0.000 χ^2/NDF : 439117042715.2/28

Left Out: -3.764+/-0.000 χ^2/NDF : 483461311370.8/24

Right Out: -4.466+/-0.000 χ^2/NDF : 390623151850.0/33

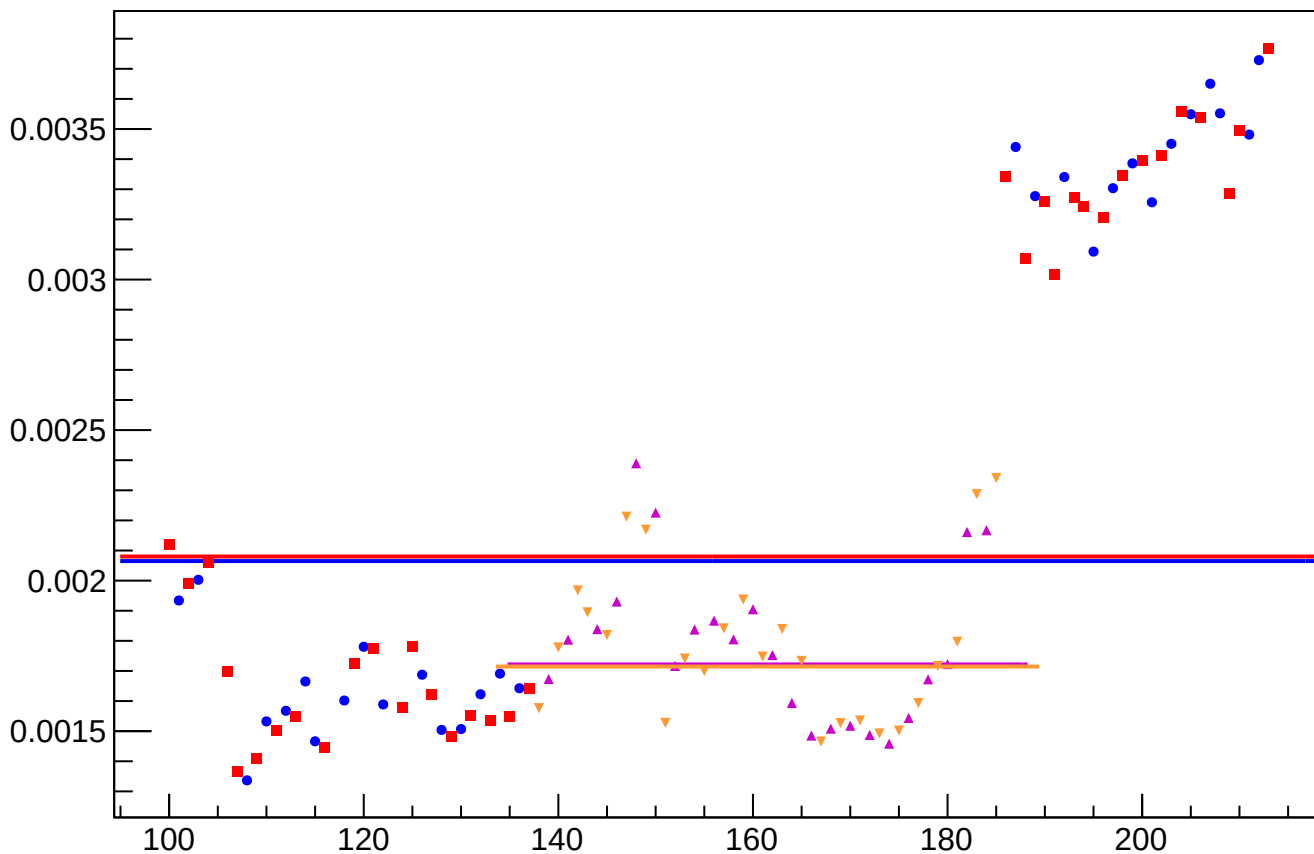
Left In: -3.776+/-0.000 χ^2/NDF : 402659987166.3/22

+ sign -4.011+/-0.000 χ^2/NDF : 1999807345540.9/5

All: -4.027+/-0.000 χ^2/NDF : 3895006502276

- sign -4.044+/-0.000 χ^2/NDF : 1889753465215.6/50

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4357130.4/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:562338.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4756259.9/33

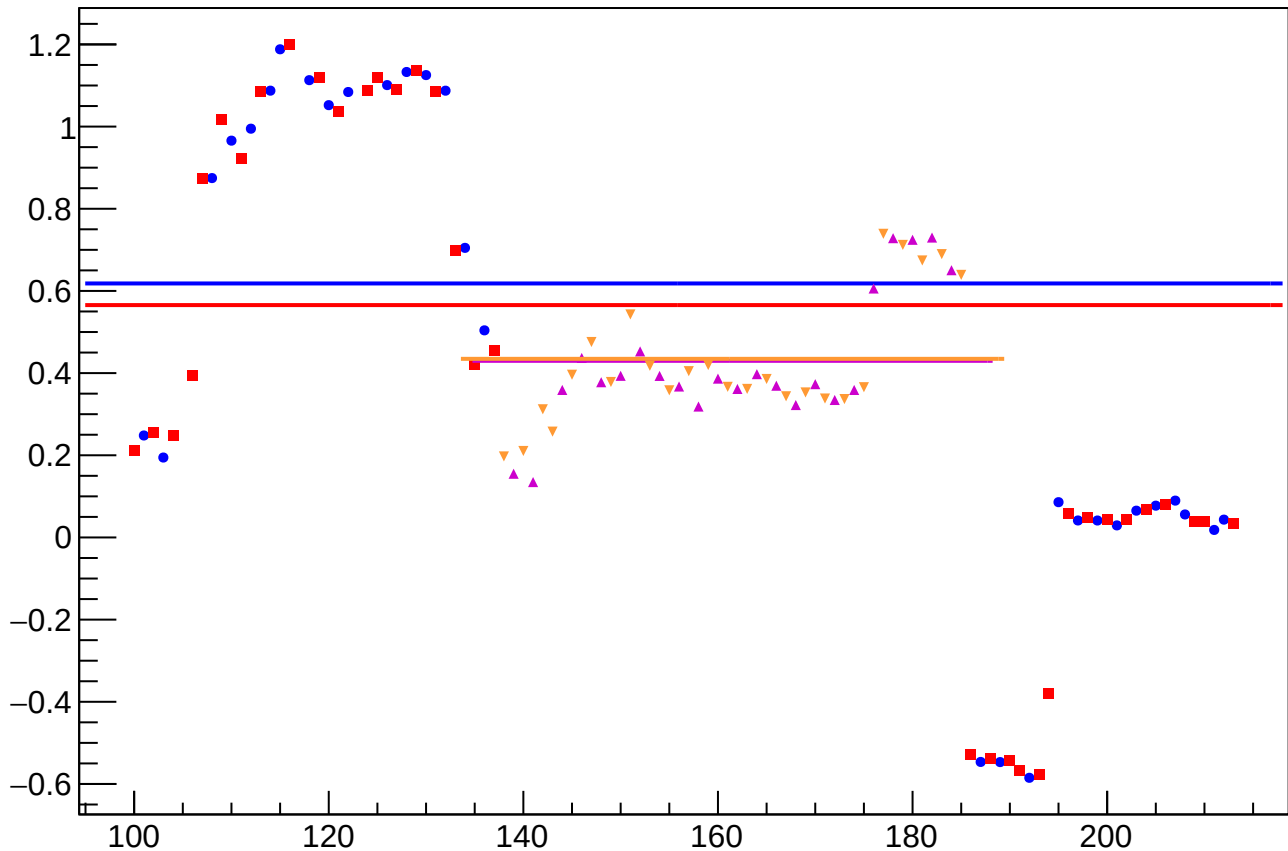
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:581878.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5470568.6/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11404719.4/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5929621.5/56

yield_bpm2i02X_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 72000817433.8/28

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF: 8515333254.7/24

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 91854572240.5/33

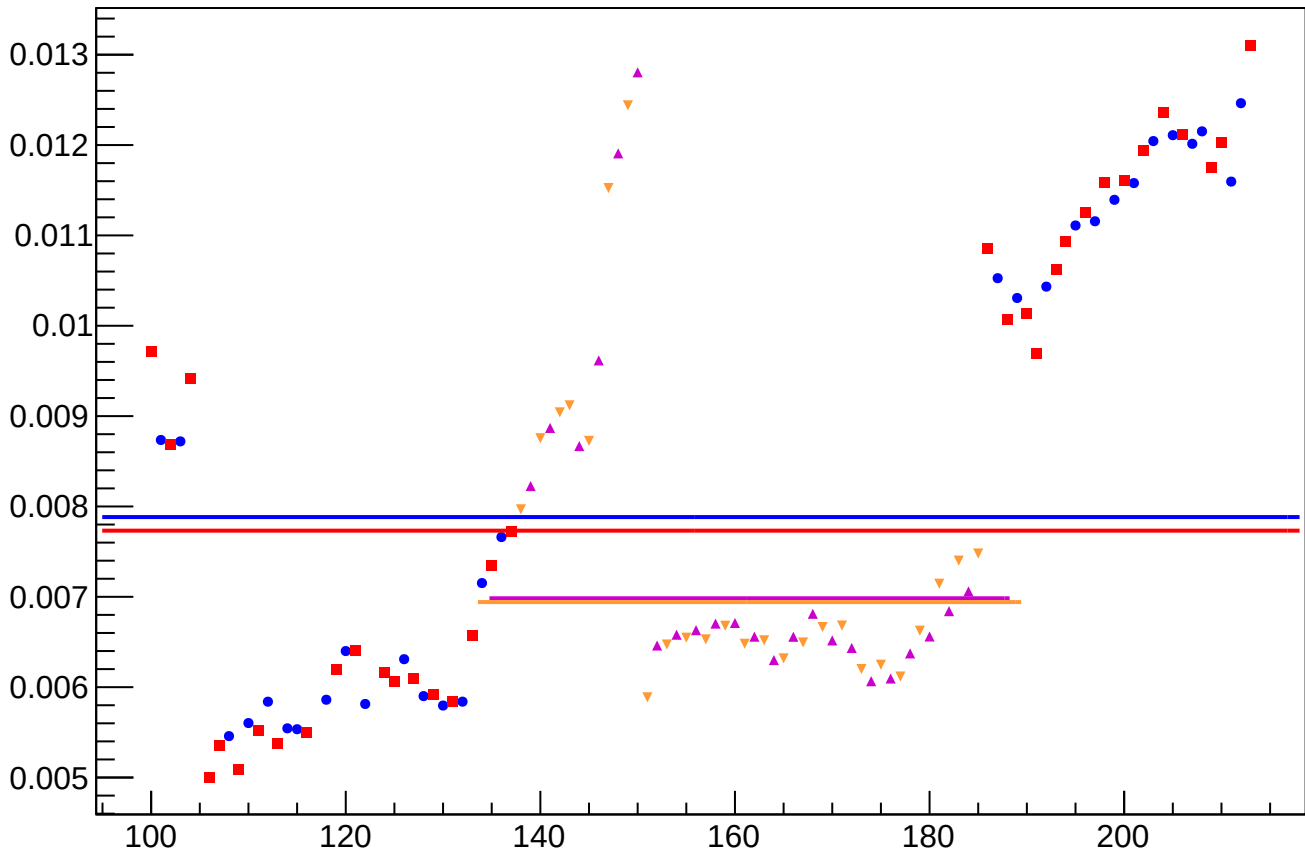
Left In: 0.430 $\pm$ 0.000 χ^2 /NDF: 9041195997.1/22

+ sign 0.507 $\pm$ 0.000 χ^2 /NDF: 85667294371.4/53

All: 0.498 $\pm$ 0.000 χ^2 /NDF: 189589156898.0

- sign 0.489 $\pm$ 0.000 χ^2 /NDF: 103821268236.1/56

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3235252.8/28

Left Out: 0.007+/-0.000 χ^2/NDF :1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3948467.1/33

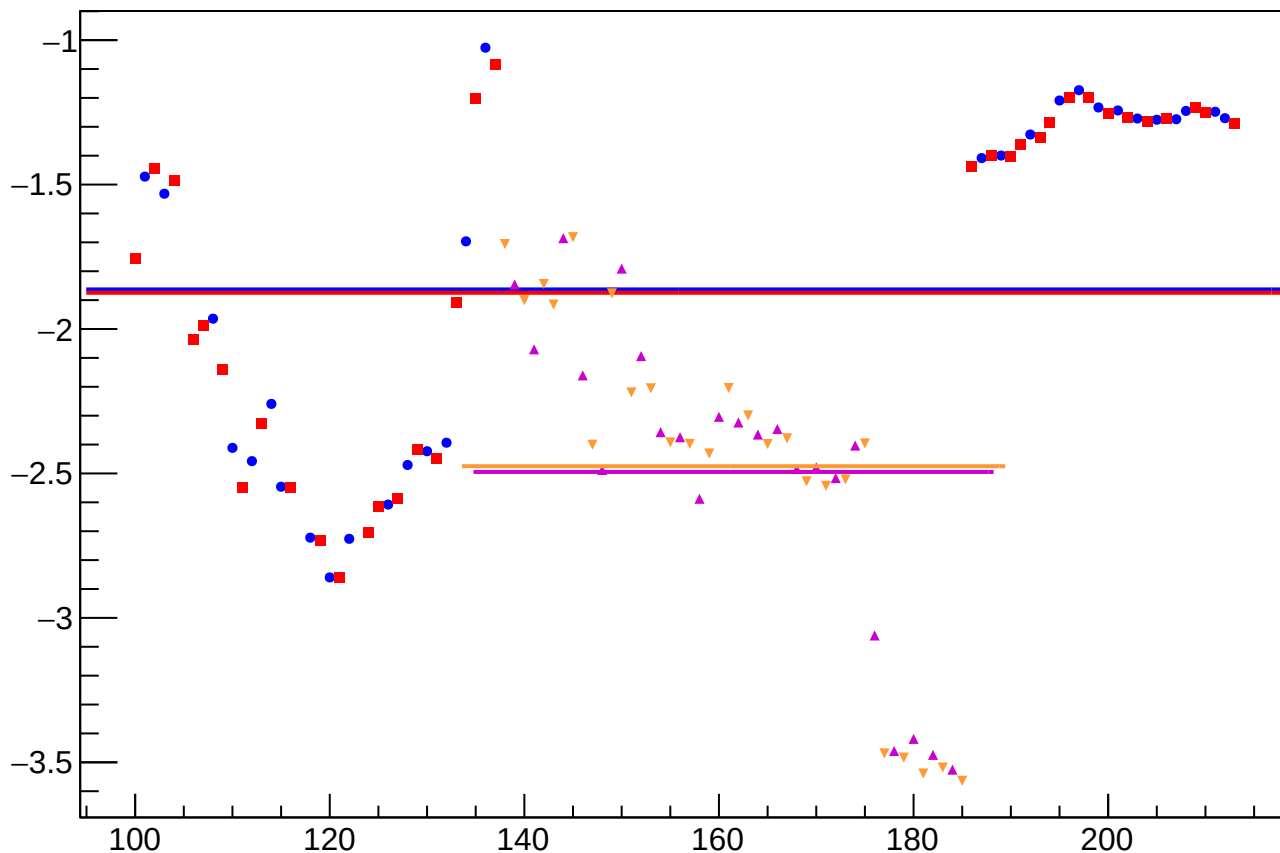
Left In: 0.007+/-0.000 χ^2/NDF :1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 4597098.6/53

All: 0.007+/-0.000 χ^2/NDF : 9860212.5/110

- sign 0.007+/-0.000 χ^2/NDF : 5263113.5/56

yield_bpm2i02Y_mean vs Slug



Right In: -1.863+/-0.000 χ^2/NDF : 116375130008.8/28

Left Out: -2.475+/-0.000 χ^2/NDF : 122955897541.5/24

Right Out: -1.875+/-0.000 χ^2/NDF : 115537058632.6/33

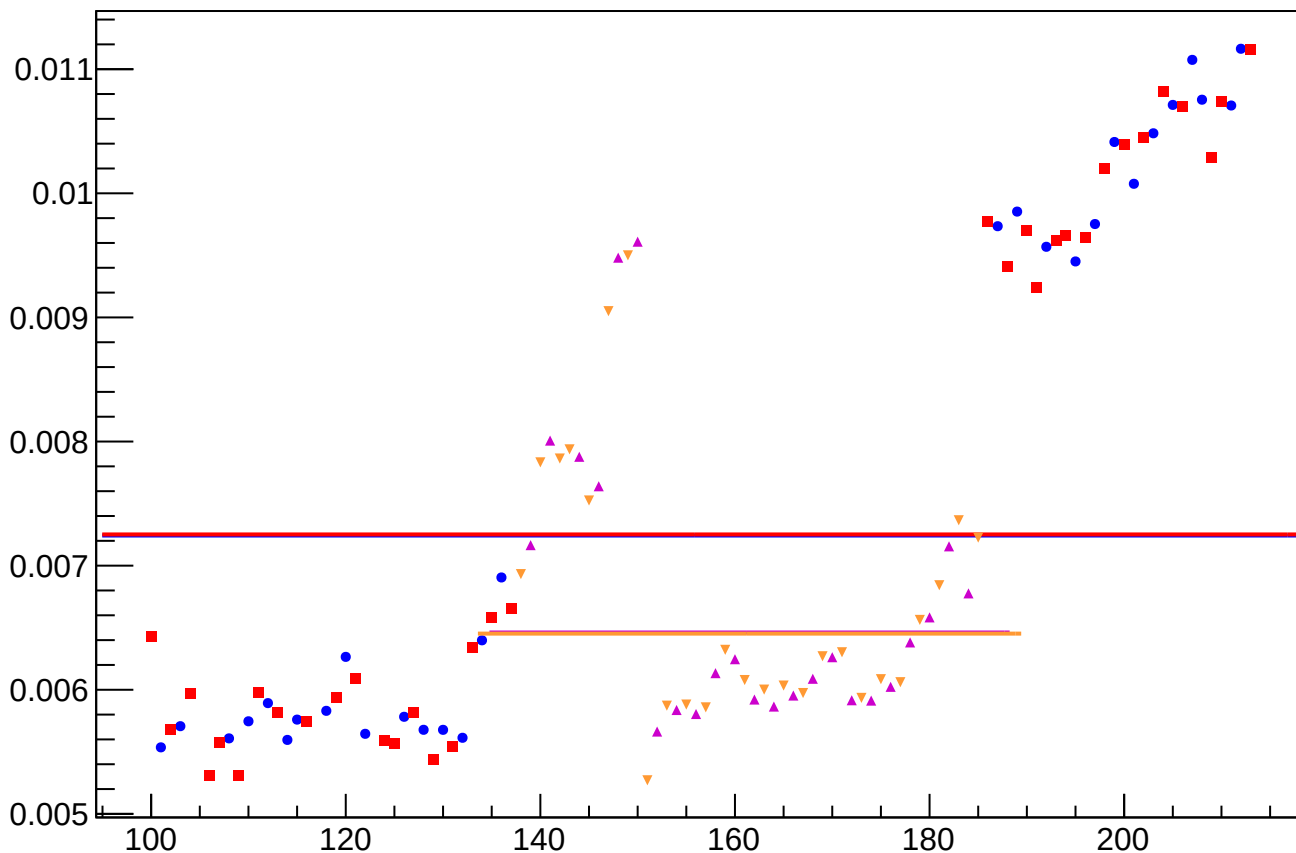
Left In: -2.495+/-0.000 χ^2/NDF : 96774638297.6/22

+ sign -2.229+/-0.000 χ^2/NDF : 307788030106.0/53

All: -2.226+/-0.000 χ^2/NDF : 592274529685.5

- sign -2.224+/-0.000 χ^2/NDF : 284476374683.3/56

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 2684483.4/28

Left Out: 0.006+/-0.000 χ^2/NDF : 713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 2930642.2/33

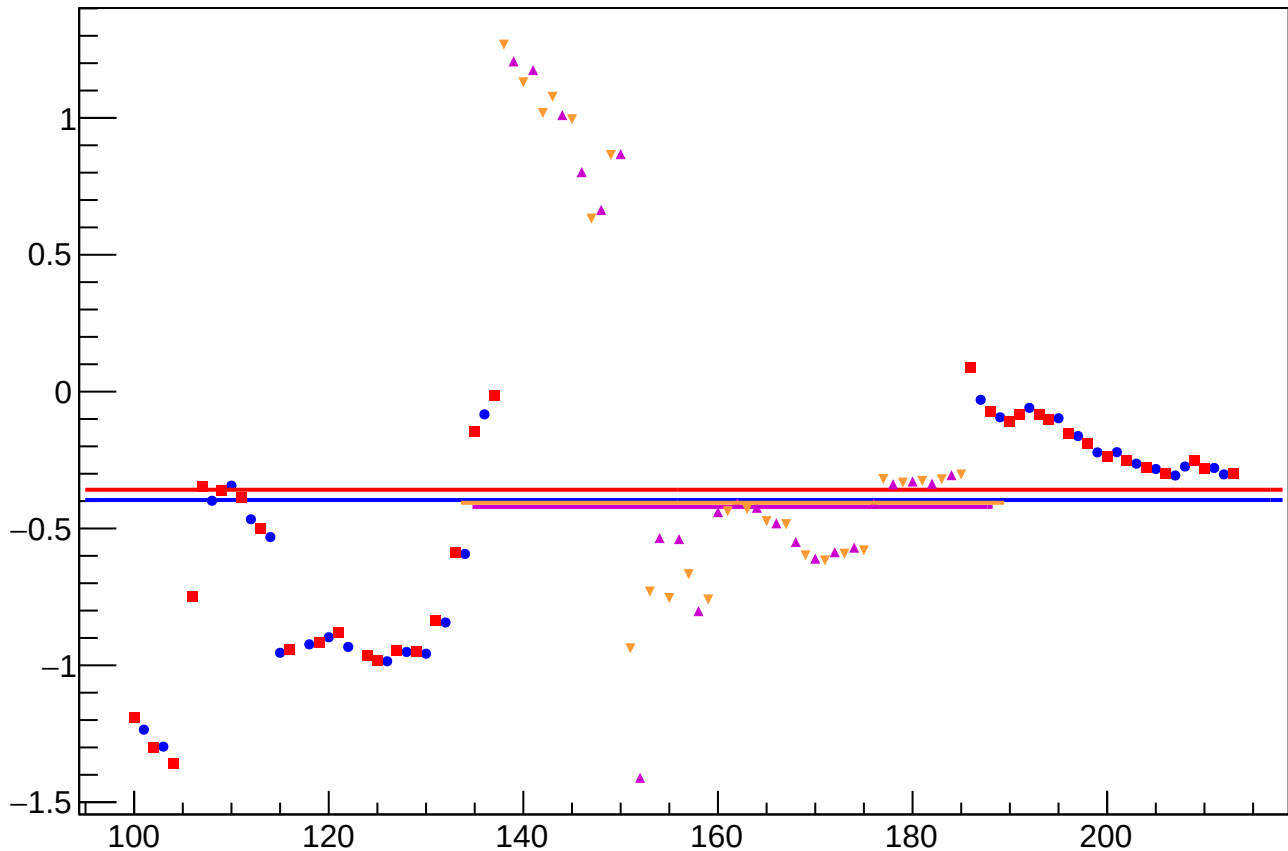
Left In: 0.006+/-0.000 χ^2/NDF : 720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3626130.3/53

All: 0.007+/-0.000 χ^2/NDF : 7512640.3/110

- sign 0.007+/-0.000 χ^2/NDF : 3885494.3/56

yield_bpm0i01X_mean vs Slug



Right In: -0.396+/-0.000 χ^2/NDF : 24472307890.5/28

Left Out: -0.406+/-0.000 χ^2/NDF : 81633647828.2/24

Right Out: -0.358+/-0.000 χ^2/NDF : 27309591043.1/33

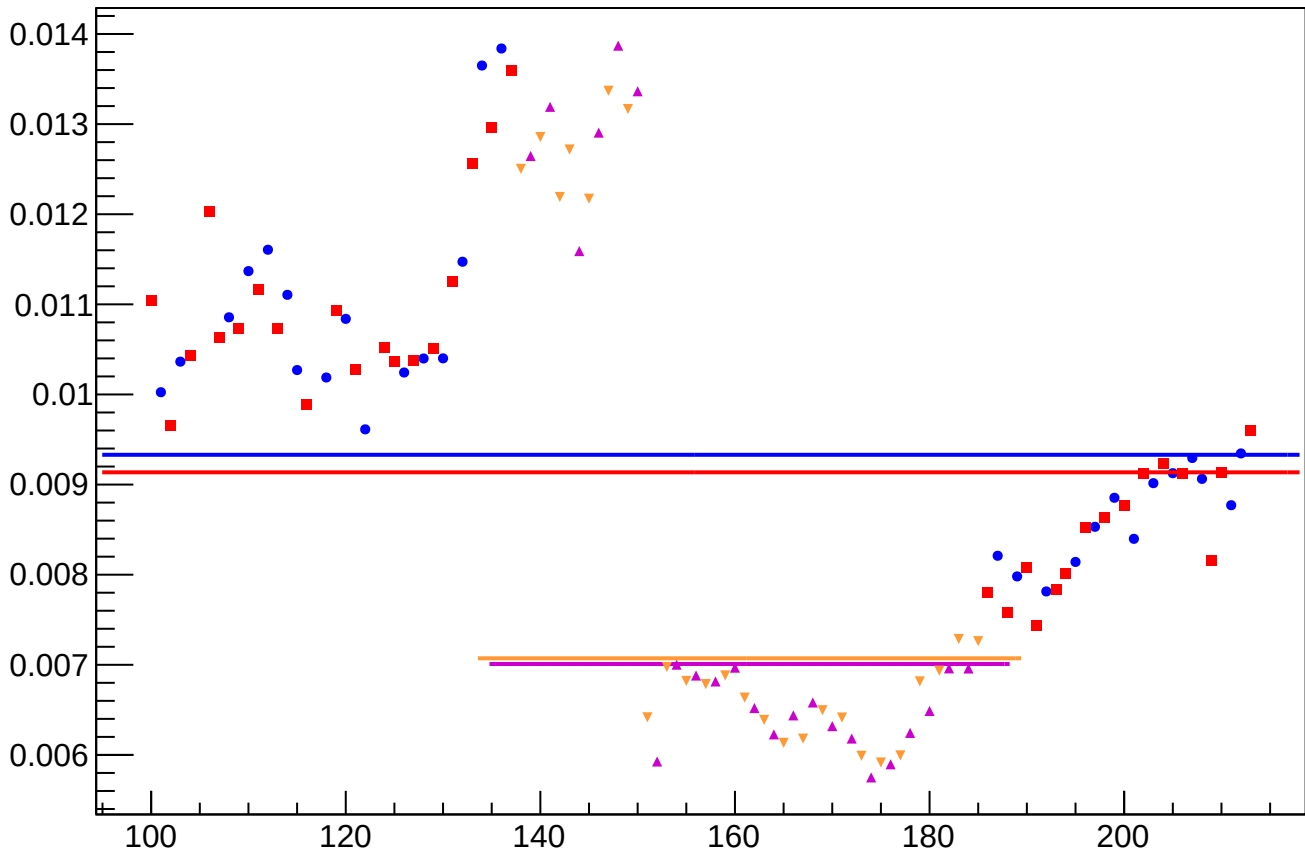
Left In: -0.421+/-0.000 χ^2/NDF : 90241717621.7/22

+ sign -0.402+/-0.000 χ^2/NDF : 106118382470.2/53

All: -0.400+/-0.000 χ^2/NDF : 224203590466.6

- sign -0.397+/-0.000 χ^2/NDF : 118075928492.8/56

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 635597.9/28

Left Out: 0.007+/-0.000 χ^2/NDF :2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 703898.2/33

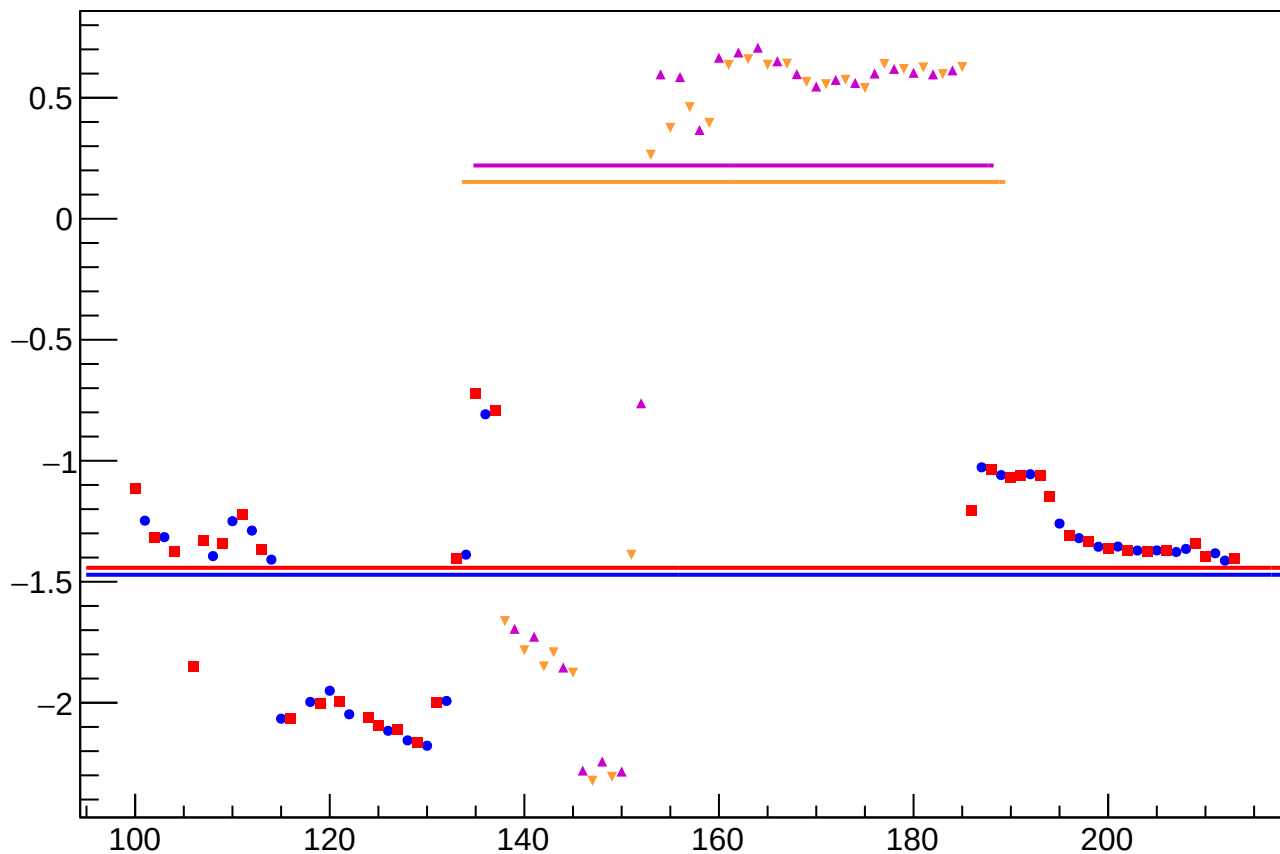
Left In: 0.007+/-0.000 χ^2/NDF :2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 4296235.6/53

All: 0.008+/-0.000 χ^2/NDF : 8663709.9/110

- sign 0.008+/-0.000 χ^2/NDF : 4367060.1/56

yield_bpm0i01Y_mean vs Slug



Right In: -1.471 ± 0.000 $\chi^2/\text{NDF}: 183691260989.2/28$

Left Out: 0.152 ± 0.000 $\chi^2/\text{NDF}: 2398778835341.2/24$

Right Out: -1.442 ± 0.000 $\chi^2/\text{NDF}: 172686139861.6/33$

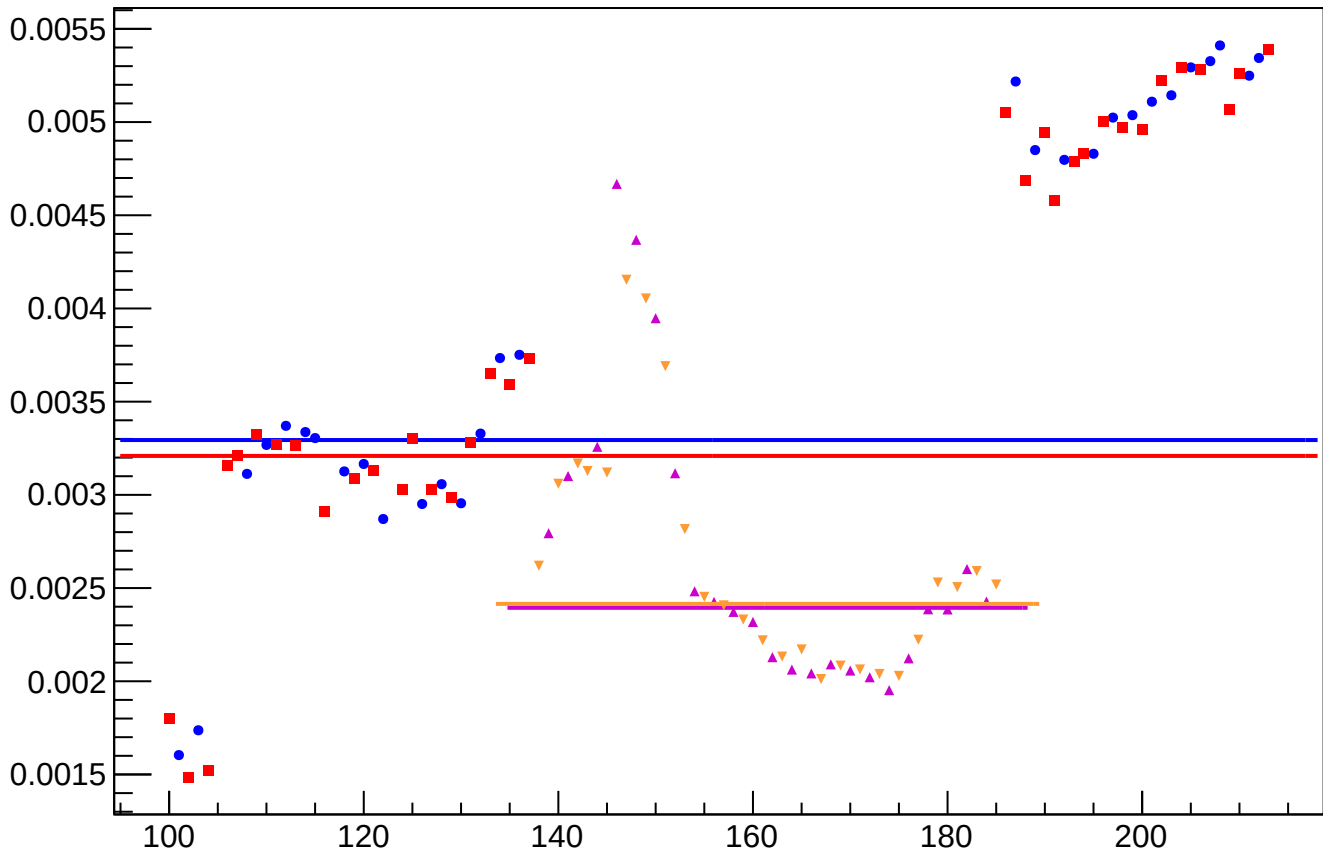
Left In: 0.220 ± 0.000 $\chi^2/\text{NDF}: 2121977245985.6/22$

+ sign -0.349 ± 0.000 $\chi^2/\text{NDF}: 4963879658160.8/5$

All: -0.350 ± 0.000 $\chi^2/\text{NDF}: 9908385214142$

- sign -0.351 ± 0.000 $\chi^2/\text{NDF}: 4944493288783.0/50$

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4713685.2/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1220406.4/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5824272.1/33

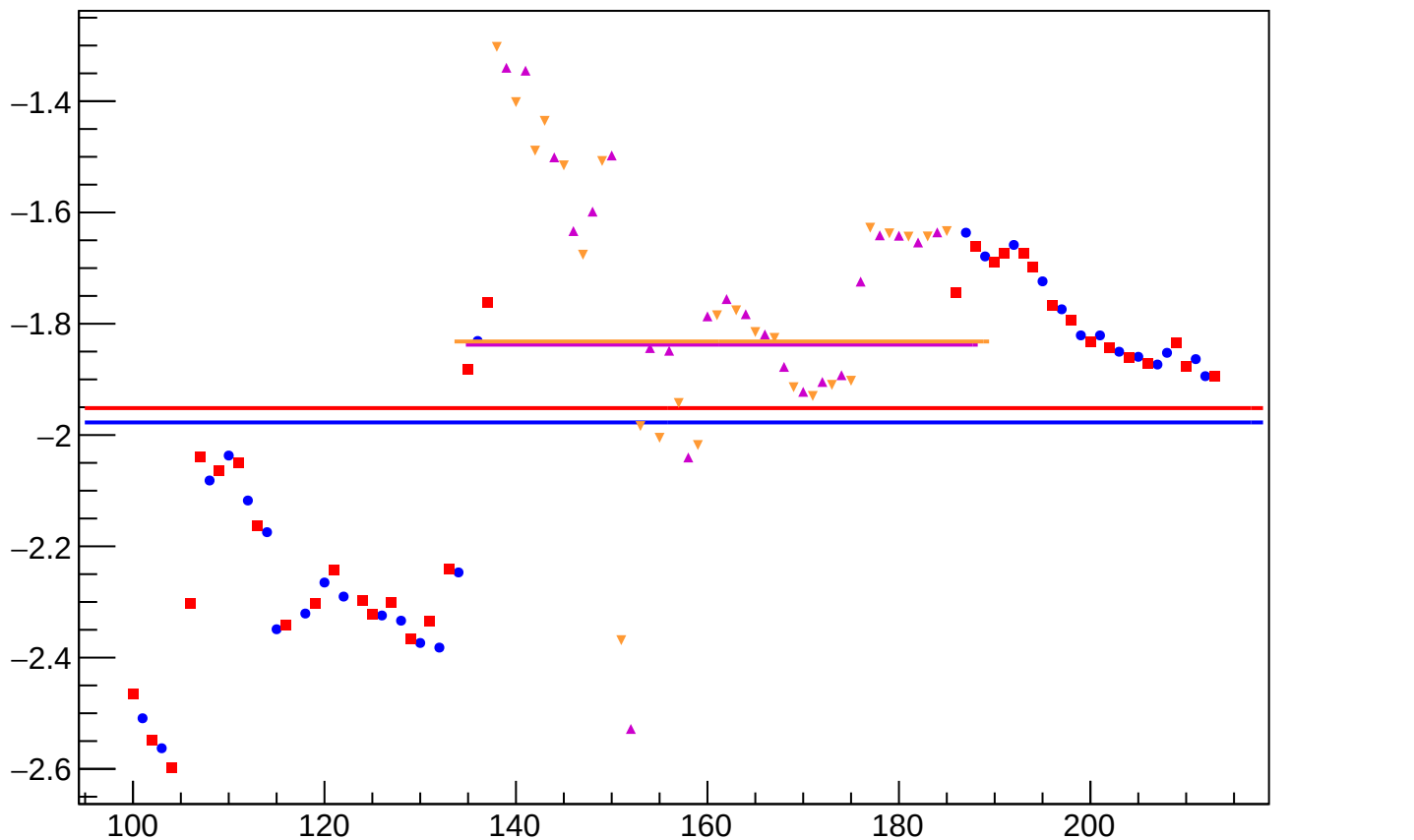
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1409595.4/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7330346.6/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 15838116.3/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8507127.6/56

yield_bpm0i01aX_mean vs Slug



Right In: -1.977+/-0.000 χ^2/NDF : 33849370630.3/28

Left Out: -1.832+/-0.000 χ^2/NDF : 38365576589.1/24

Right Out: -1.952+/-0.000 χ^2/NDF : 37993638046.7/33

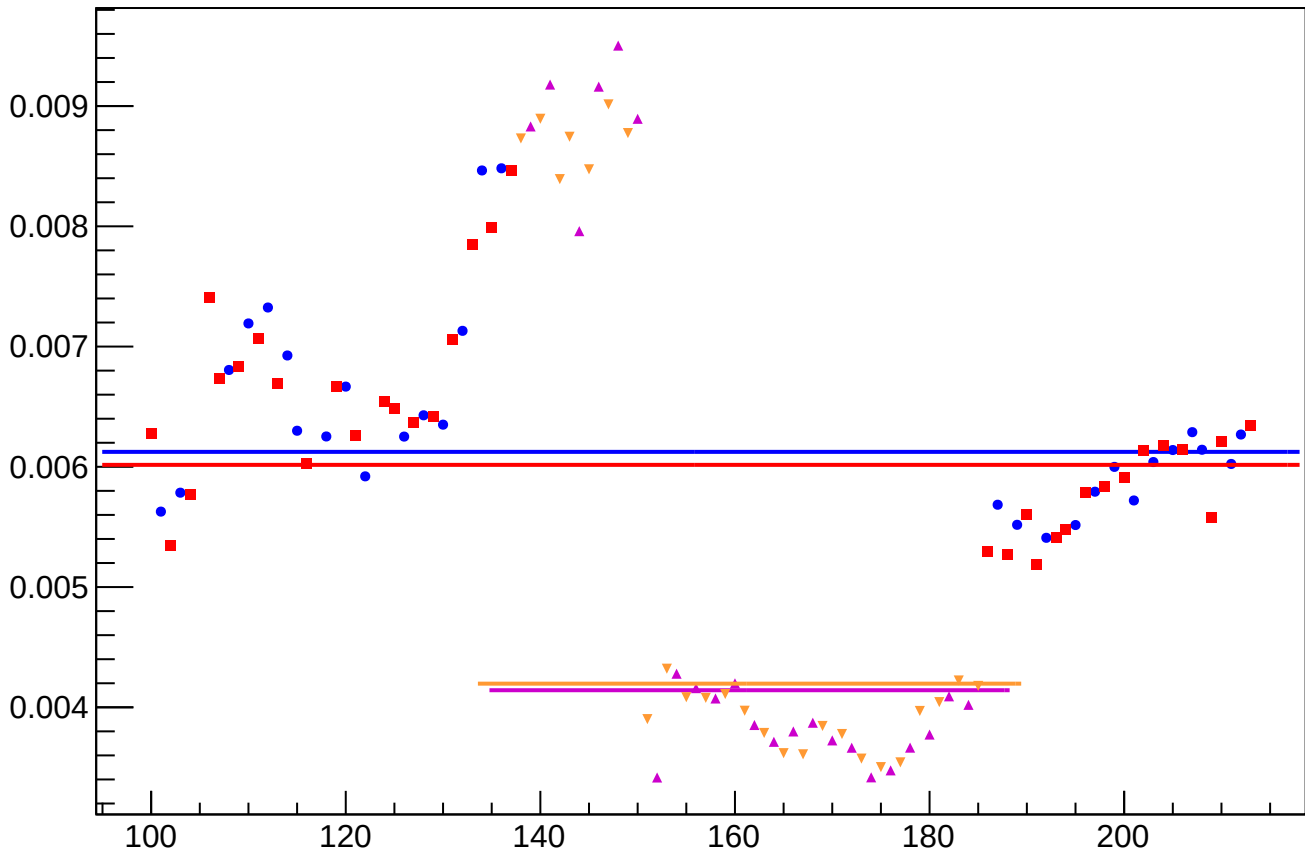
Left In: -1.838+/-0.000 χ^2/NDF : 53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF : 78713977704.5/53

All: -1.878+/-0.000 χ^2/NDF : 174419049733.1

- sign -1.877+/-0.000 χ^2/NDF : 95705040769.0/56

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 368247.9/28

Left Out: 0.004+/-0.000 χ^2/NDF :3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 396610.1/33

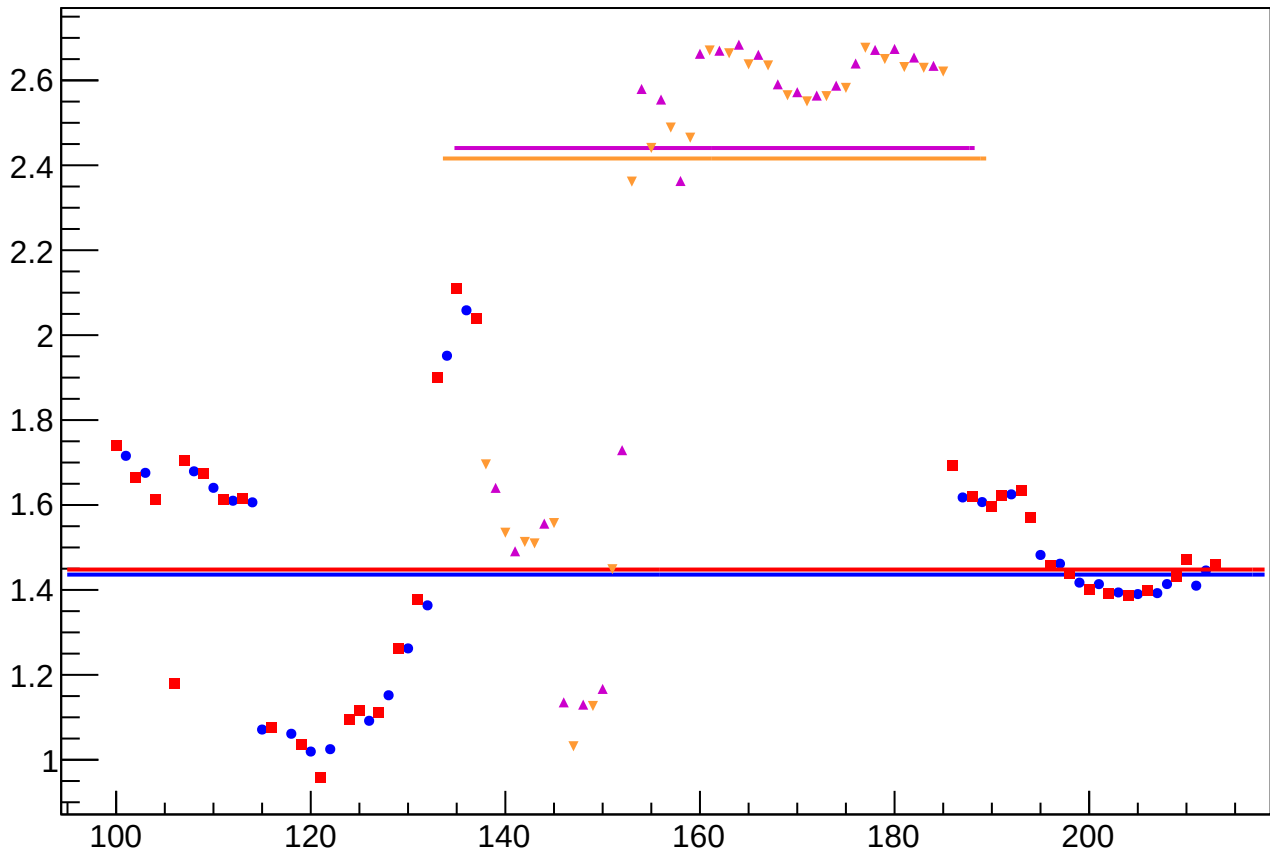
Left In: 0.004+/-0.000 χ^2/NDF :3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF : 5742431.9/53

All: 0.005+/-0.000 χ^2/NDF : 11644218.5/110

- sign 0.005+/-0.000 χ^2/NDF : 5901733.5/56

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF : 191501510032.3/28

Left Out: 2.416+/-0.000 χ^2/NDF : 242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF : 186651883948.6/33

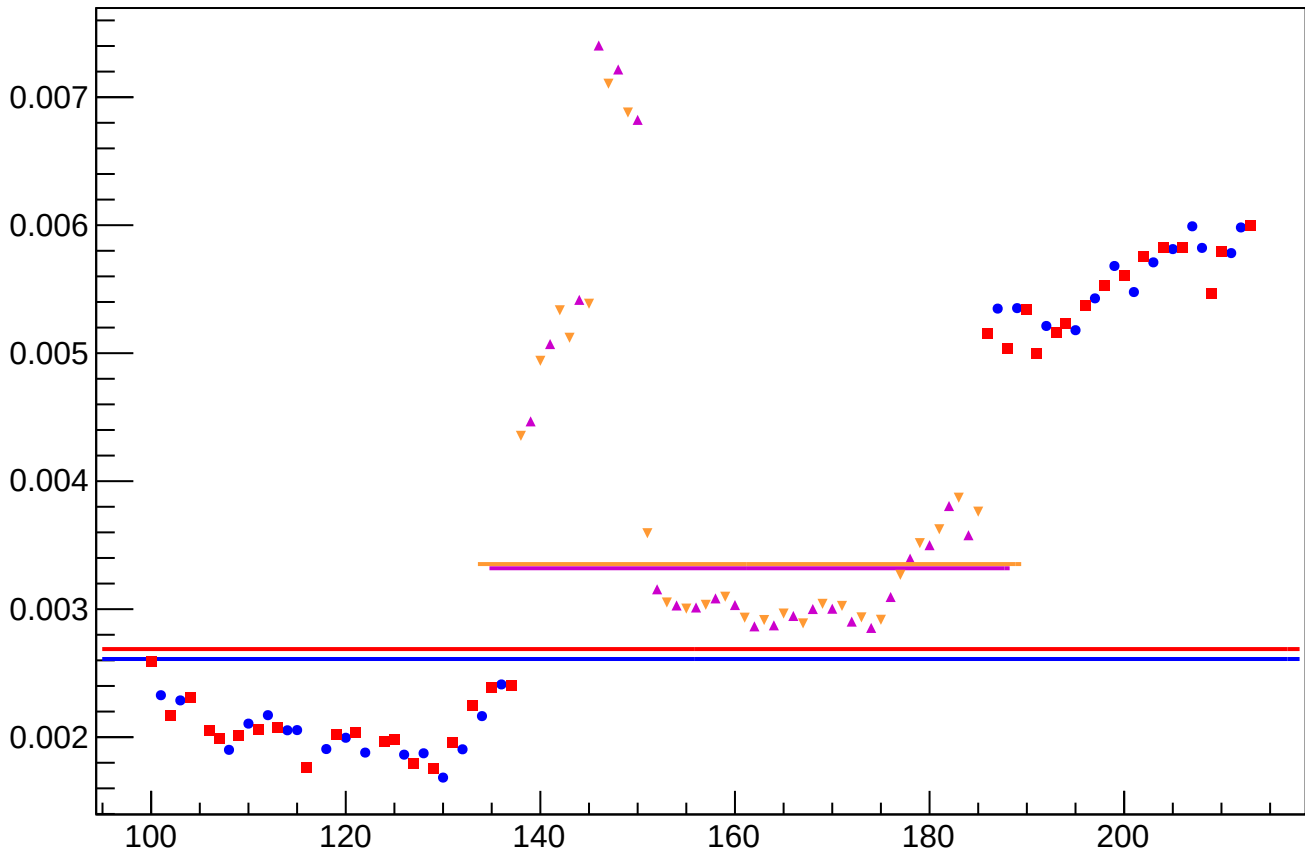
Left In: 2.441+/-0.000 χ^2/NDF : 231724954471.8/22

+ sign 1.871+/-0.000 χ^2/NDF : 1263955474472.0/53

All: 1.870+/-0.000 χ^2/NDF : 2522931193523.

- sign 1.869+/-0.000 χ^2/NDF : 1258971736252.2/56

yield_bpm0i01aY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 7054292.0/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1819921.4/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7511704.7/33

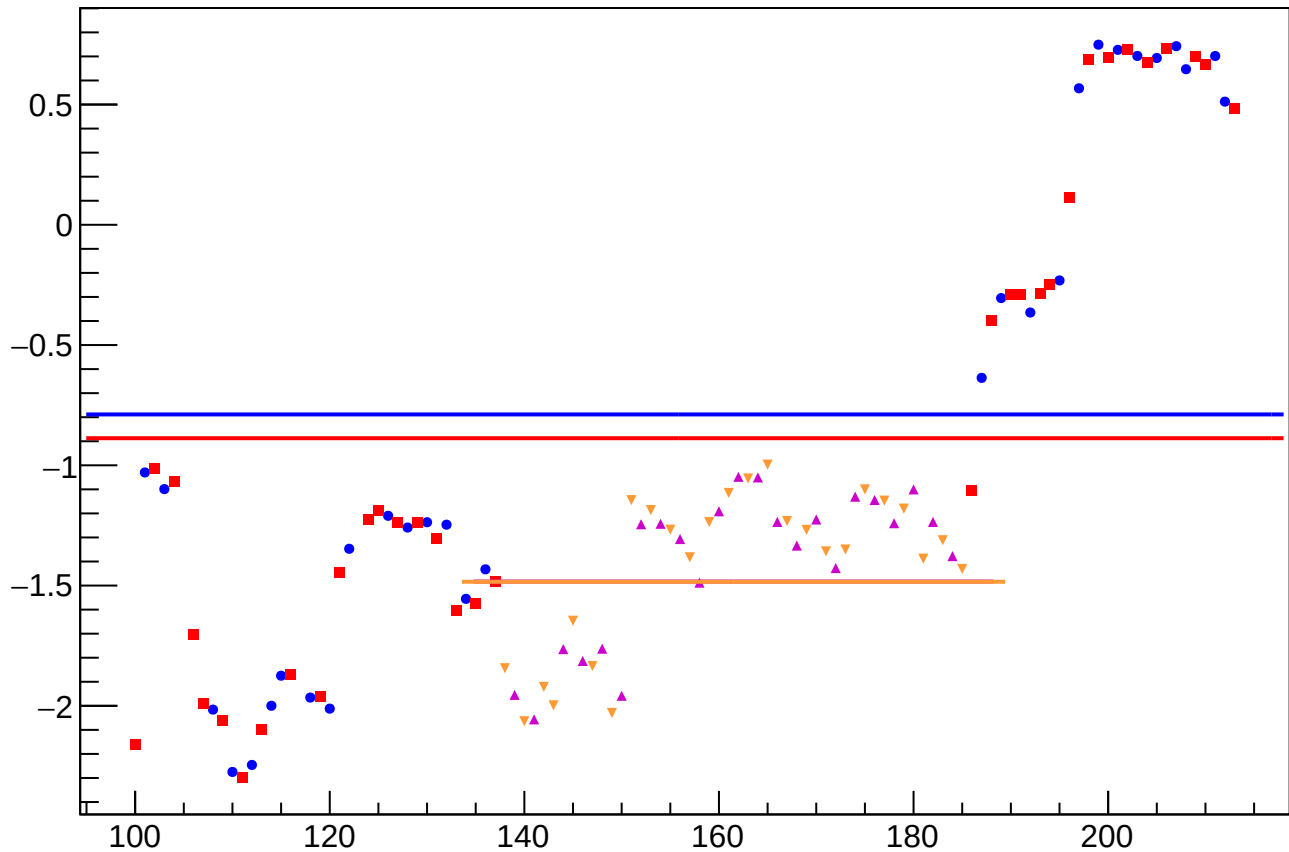
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:2055631.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9824807.6/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 20073175.3/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10247408.7/56

yield_bpm0l01X_mean vs Slug



Right In: -0.788+/-0.000 χ^2/NDF : 231037024418.5/28

Left Out: -1.484+/-0.000 χ^2/NDF : 48438764764.6/24

Right Out: -0.887+/-0.000 χ^2/NDF : 270413129791.6/33

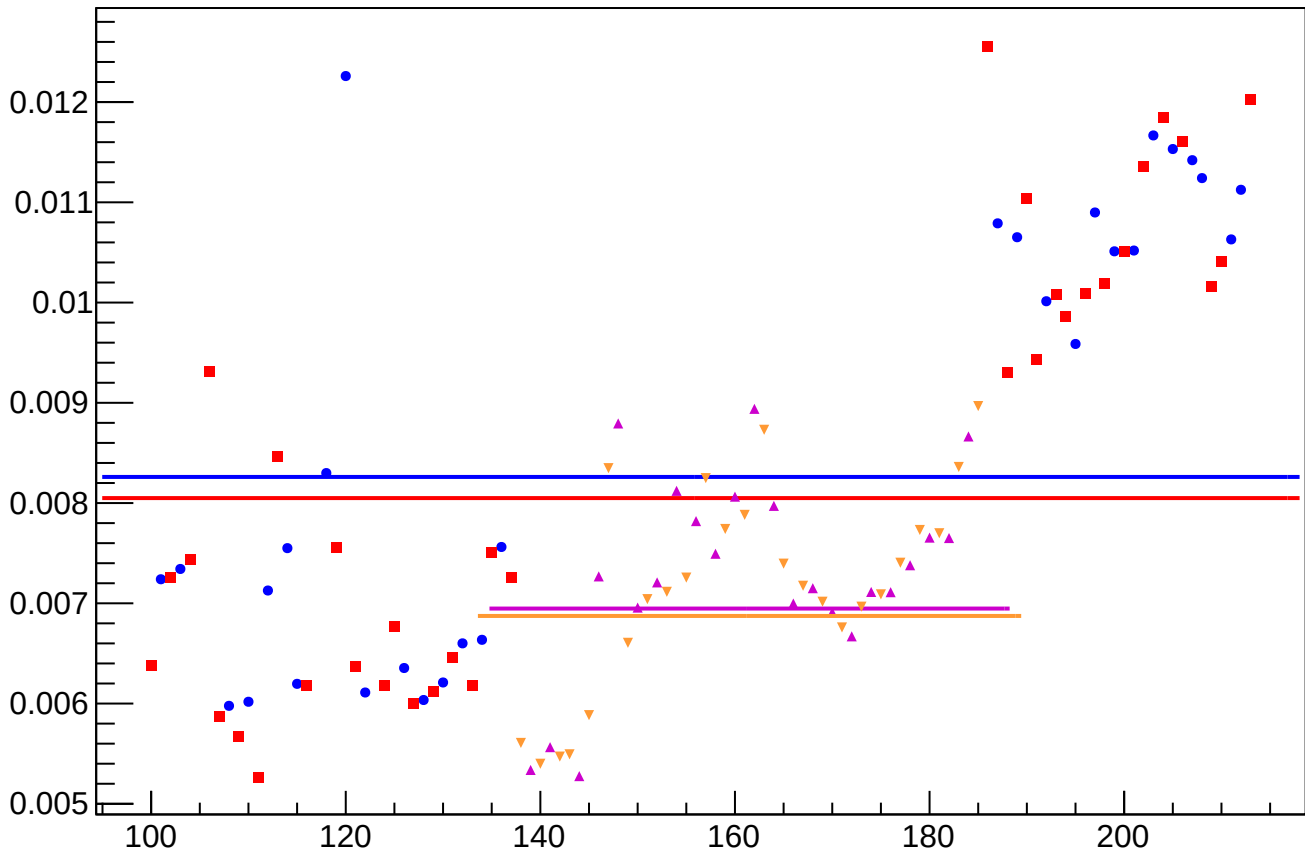
Left In: -1.483+/-0.000 χ^2/NDF : 40353431150.9/22

+ sign -1.225+/-0.000 χ^2/NDF : 348526623287.8/53

All: -1.227+/-0.000 χ^2/NDF : 712752299850.6

- sign -1.229+/-0.000 χ^2/NDF : 364221187982.6/56

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1991936.4/28

Left Out: 0.007+/-0.000 χ^2/NDF : 745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2386402.9/33

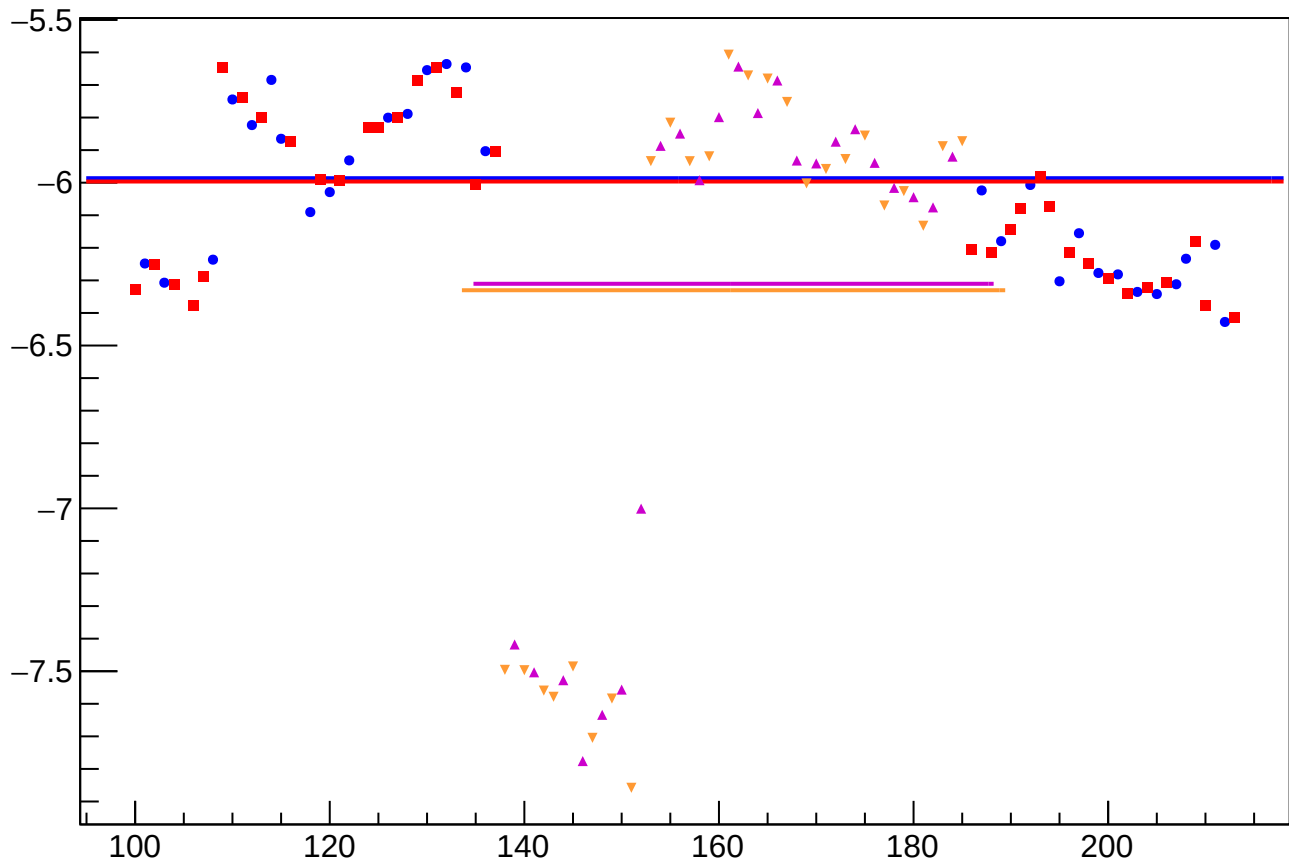
Left In: 0.007+/-0.000 χ^2/NDF : 746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF : 3286045.3/53

All: 0.007+/-0.000 χ^2/NDF : 6785118.9/110

- sign 0.007+/-0.000 χ^2/NDF : 3498604.9/56

yield_bpm0l01Y_mean vs Slug



Right In: -5.986 ± 0.000 $\chi^2/\text{NDF}: 16658792896.0/28$

Left Out: -6.330 ± 0.000 $\chi^2/\text{NDF}: 110328634370.4/24$

Right Out: -5.996 ± 0.000 $\chi^2/\text{NDF}: 17821660921.1/33$

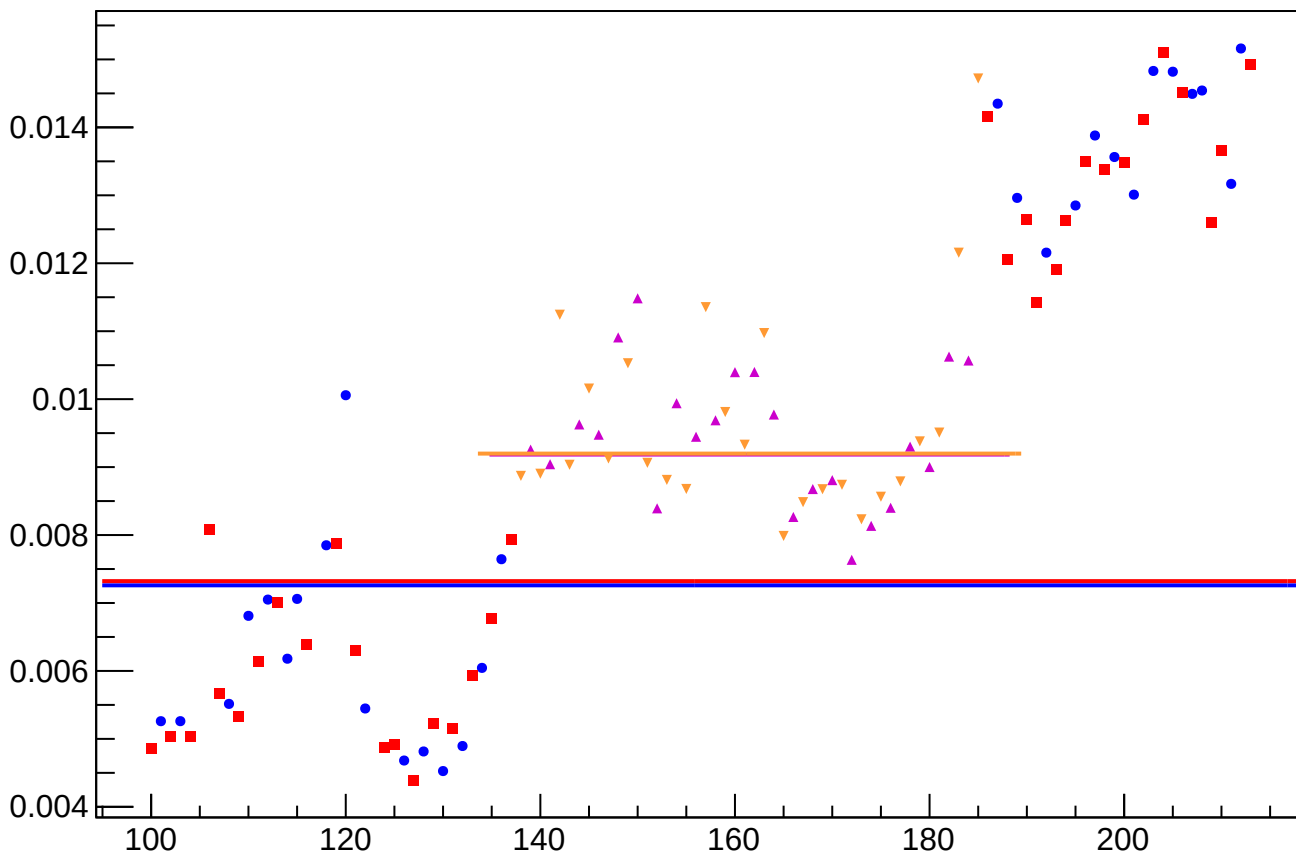
Left In: -6.310 ± 0.000 $\chi^2/\text{NDF}: 91689184100.9/22$

+ sign -6.135 ± 0.000 $\chi^2/\text{NDF}: 139802515451.8/53$

All: -6.129 ± 0.000 $\chi^2/\text{NDF}: 260141203872.6$

- sign -6.122 ± 0.000 $\chi^2/\text{NDF}: 120302705235.7/56$

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6040980.8/28

Left Out: 0.009+/-0.000 χ^2/NDF :367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6266328.2/33

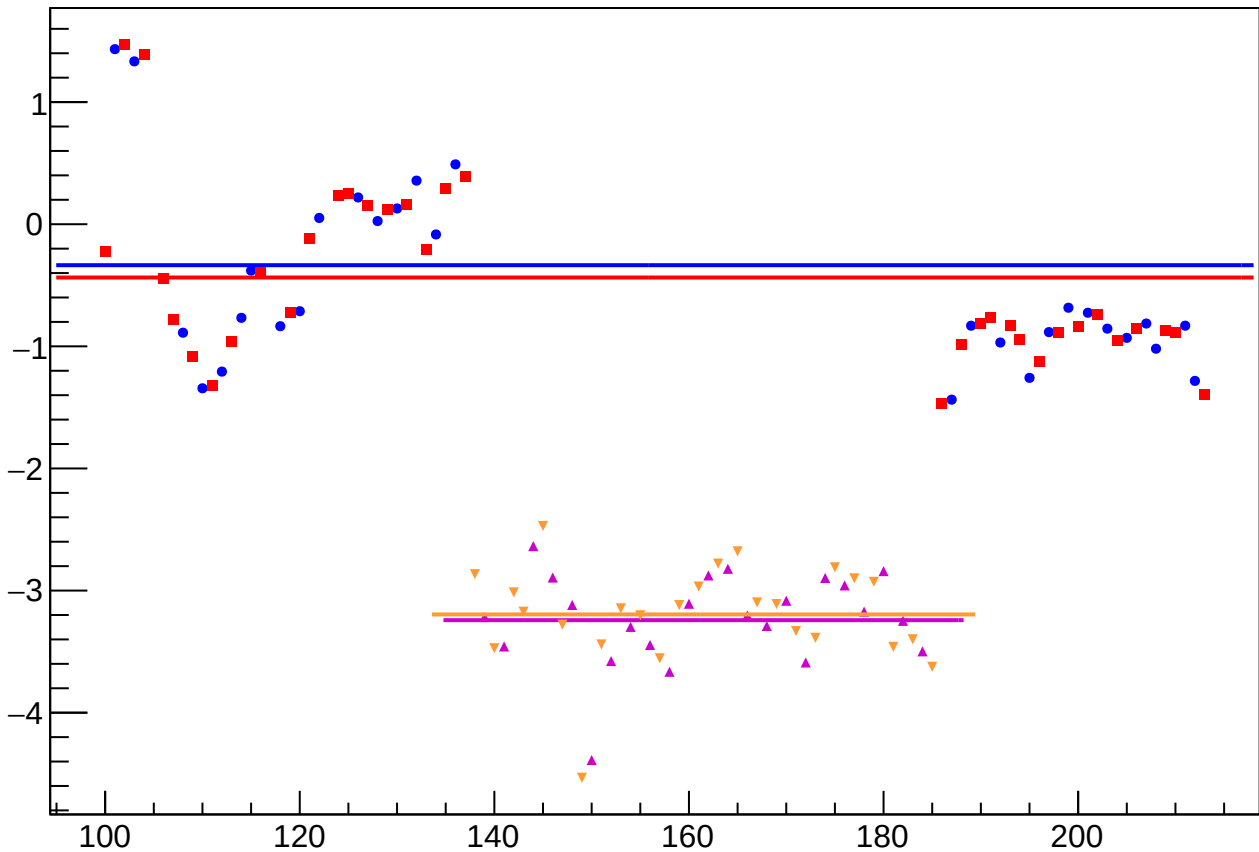
Left In: 0.009+/-0.000 χ^2/NDF :319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF : 7222051.4/53

All: 0.008+/-0.000 χ^2/NDF : 14567114.0/110

- sign 0.008+/-0.000 χ^2/NDF : 7344667.3/56

yield_bpm0l02X_mean vs Slug



Right In: -0.336+/-0.000 χ^2/NDF : 36590868237.2/28

Left Out: -3.195+/-0.000 χ^2/NDF : 9538006171.4/24

Right Out: -0.437+/-0.000 χ^2/NDF : 38200136160.4/33

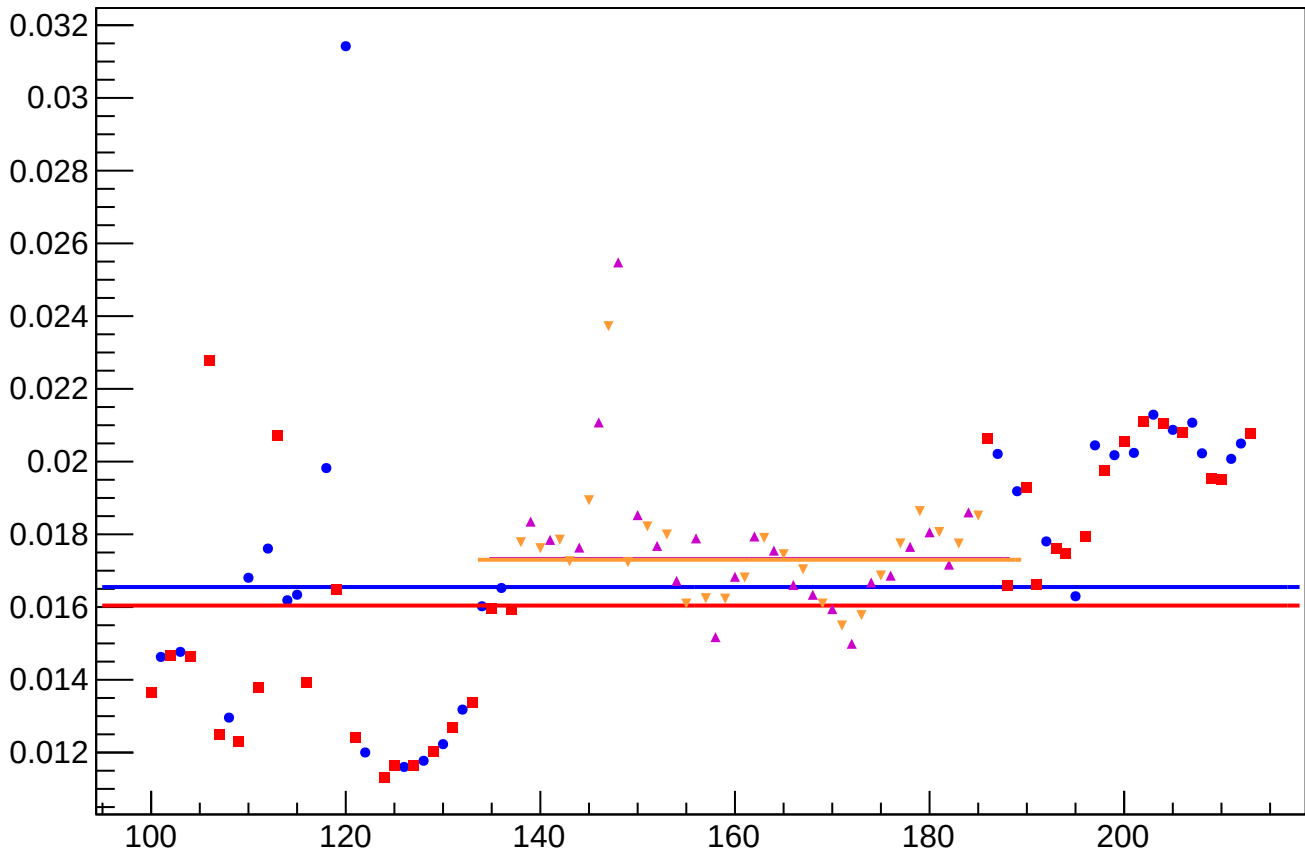
Left In: -3.242+/-0.000 χ^2/NDF : 7955956403.6/22

+ sign -1.819+/-0.000 χ^2/NDF : 290496391553.5/53

All: -1.776+/-0.000 χ^2/NDF : 584181860899.9

- sign -1.735+/-0.000 χ^2/NDF : 293250384843.5/56

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1466161.3/28

Left Out: 0.017+/-0.000 χ^2/NDF :218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1536769.6/33

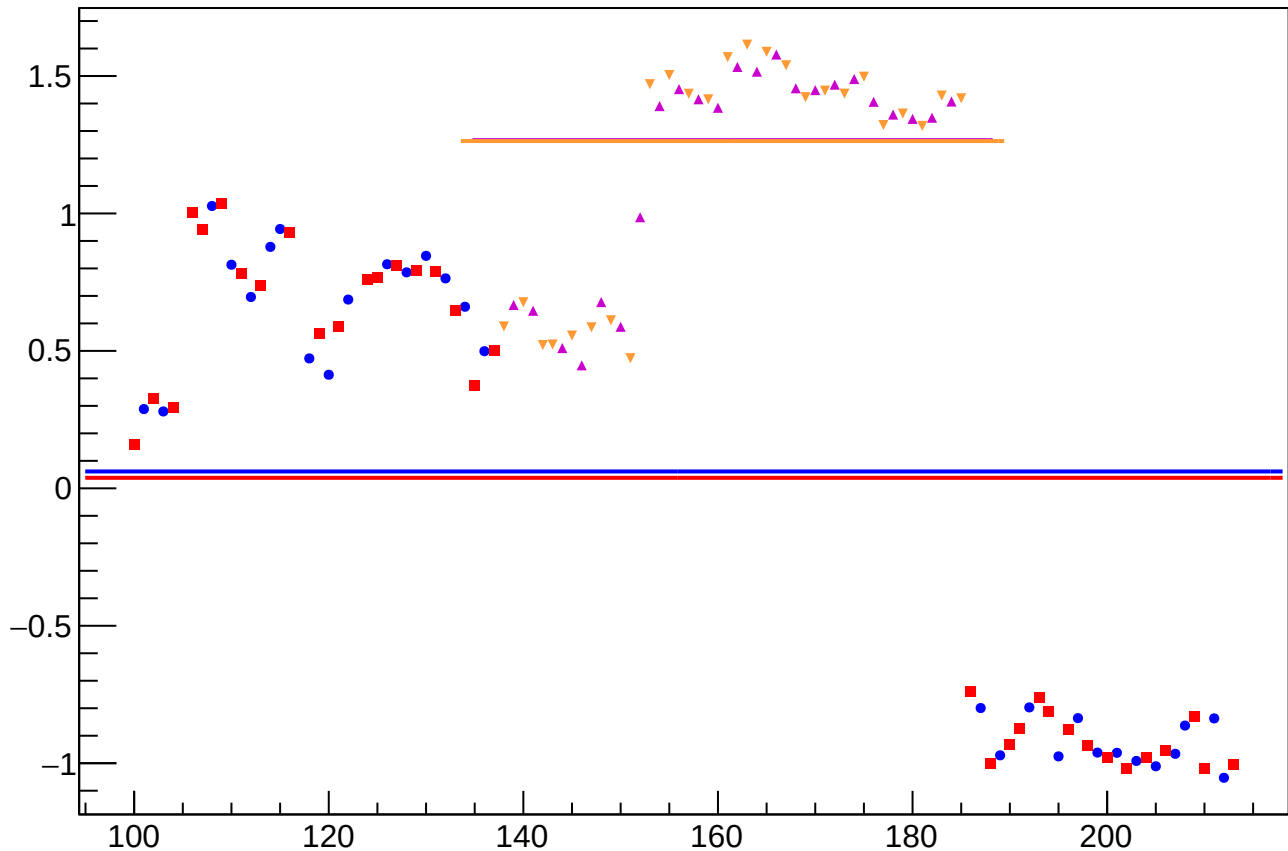
Left In: 0.017+/-0.000 χ^2/NDF :329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF : 1717875.2/53

All: 0.017+/-0.000 χ^2/NDF : 3699060.8/110

- sign 0.017+/-0.000 χ^2/NDF : 1969711.7/56

yield_bpm0l02Y_mean vs Slug



Right In: 0.061 $\pm$ 0.000 χ^2 /NDF: 85816764078.2/28

Left Out: 1.263 $\pm$ 0.000 χ^2 /NDF:45594559273.0/24

Right Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 100084273496.4/33

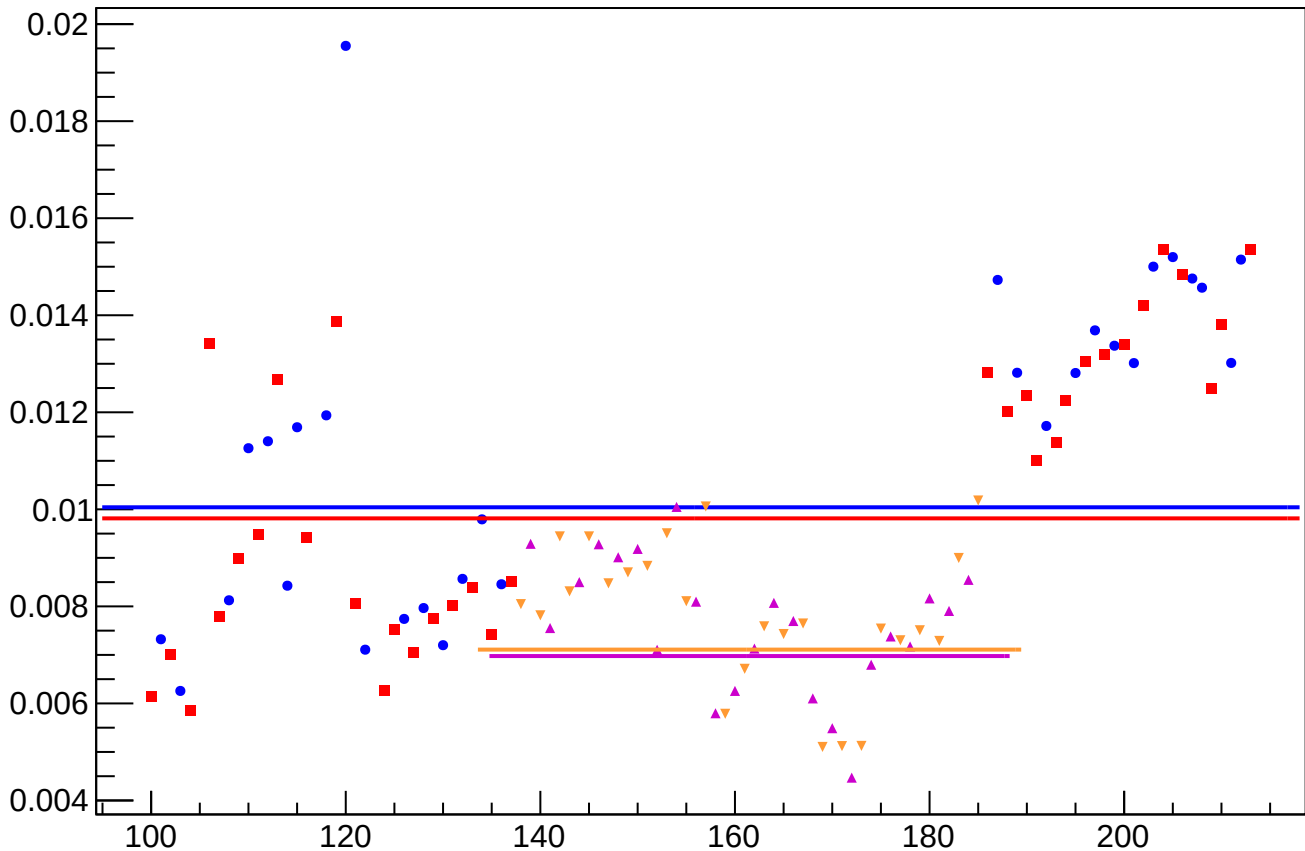
Left In: 1.267 $\pm$ 0.000 χ^2 /NDF:37614918579.9/22

+ sign 0.898 $\pm$ 0.000 χ^2 /NDF: 279431010733.7/53

All: 0.875 $\pm$ 0.000 χ^2 /NDF: 586948273854.6

- sign 0.854 $\pm$ 0.000 χ^2 /NDF: 307048551523.1/56

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 2818855.8/28

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1519295.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 3027715.3/33

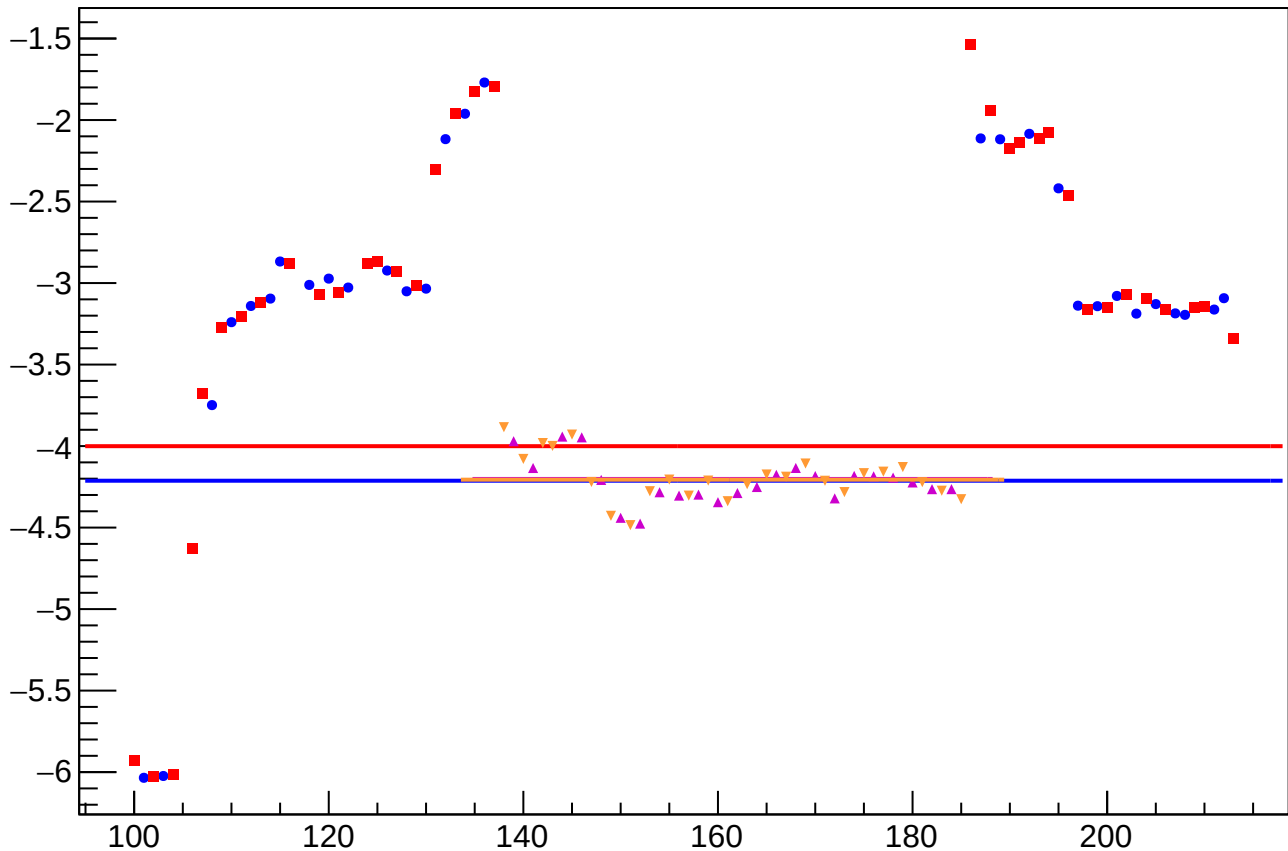
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1457031.8/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6100704.3/53

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 12394816.6/110

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6291543.9/56

yield_bpm0l03X_mean vs Slug



Right In: -4.213 ± 0.000 χ^2/NDF : 299414216544.4/28

Left Out: -4.206 ± 0.000 χ^2/NDF : 61558336.8/24

Right Out: -4.001 ± 0.000 χ^2/NDF : 306678648093.4/33

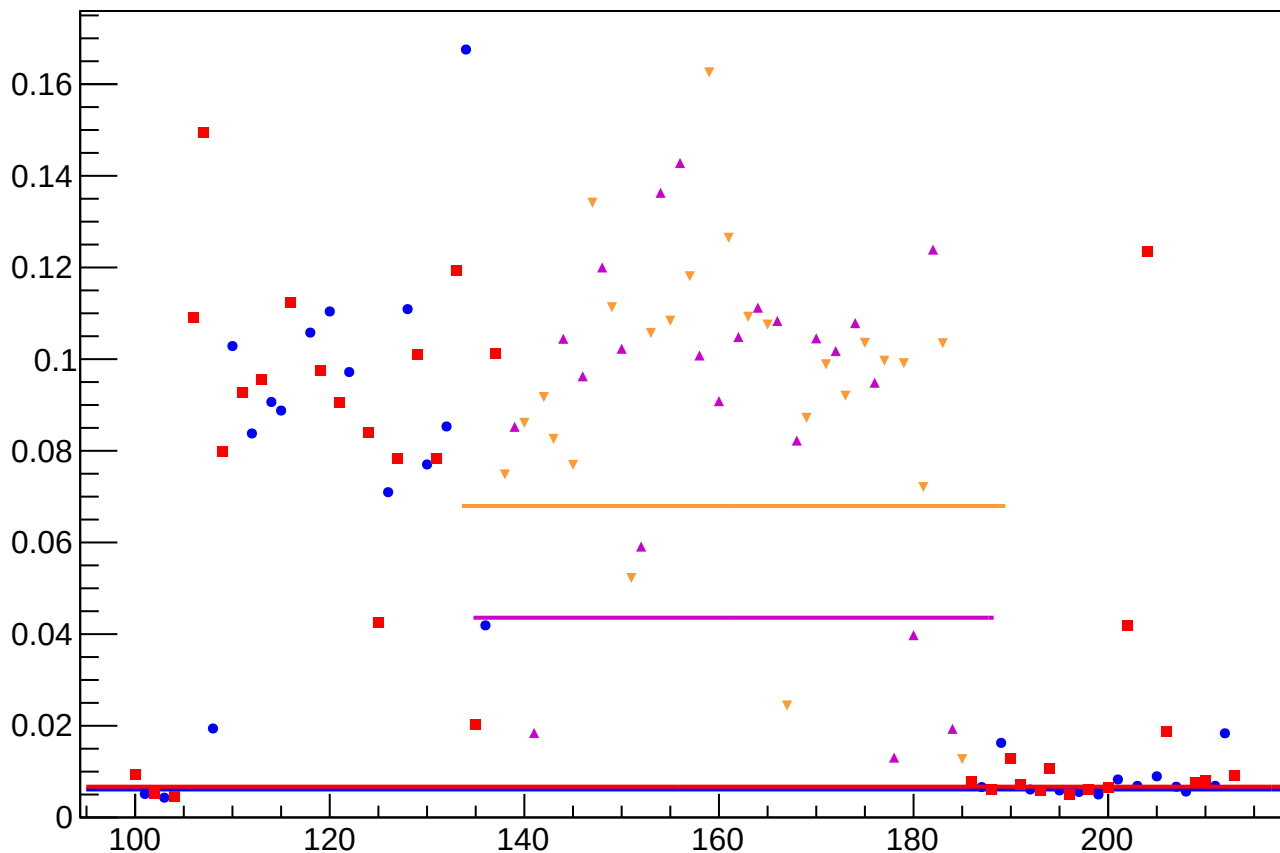
Left In: -4.202 ± 0.000 χ^2/NDF : 42747893.4/22

+ sign -4.212 ± 0.000 χ^2/NDF : 299475883391.9/53

All: -4.120 ± 0.000 χ^2/NDF : 608670386418.7

- sign -4.009 ± 0.000 χ^2/NDF : 306880209355.3/56

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9094075.5/28

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF: 7631751.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10736406.3/33

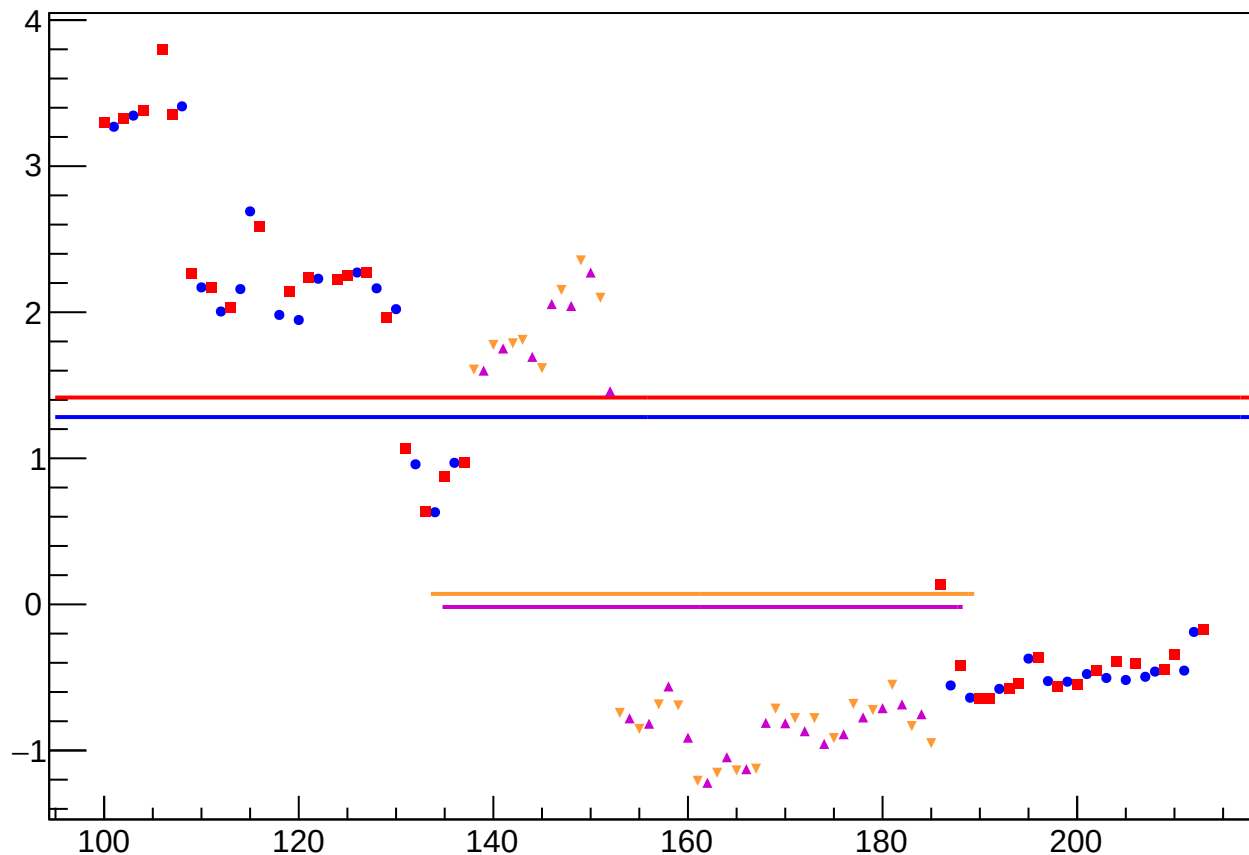
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF: 12761920.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 36641732.8/53

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 70877506.7/110

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 34172745.4/56

yield_bpm0l03Y_mean vs Slug



Right In: 1.282 $\pm$ 0.000 χ^2 /NDF: 233660577684.3/28

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 3635027099.6/24

Right Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 208353449520.7/33

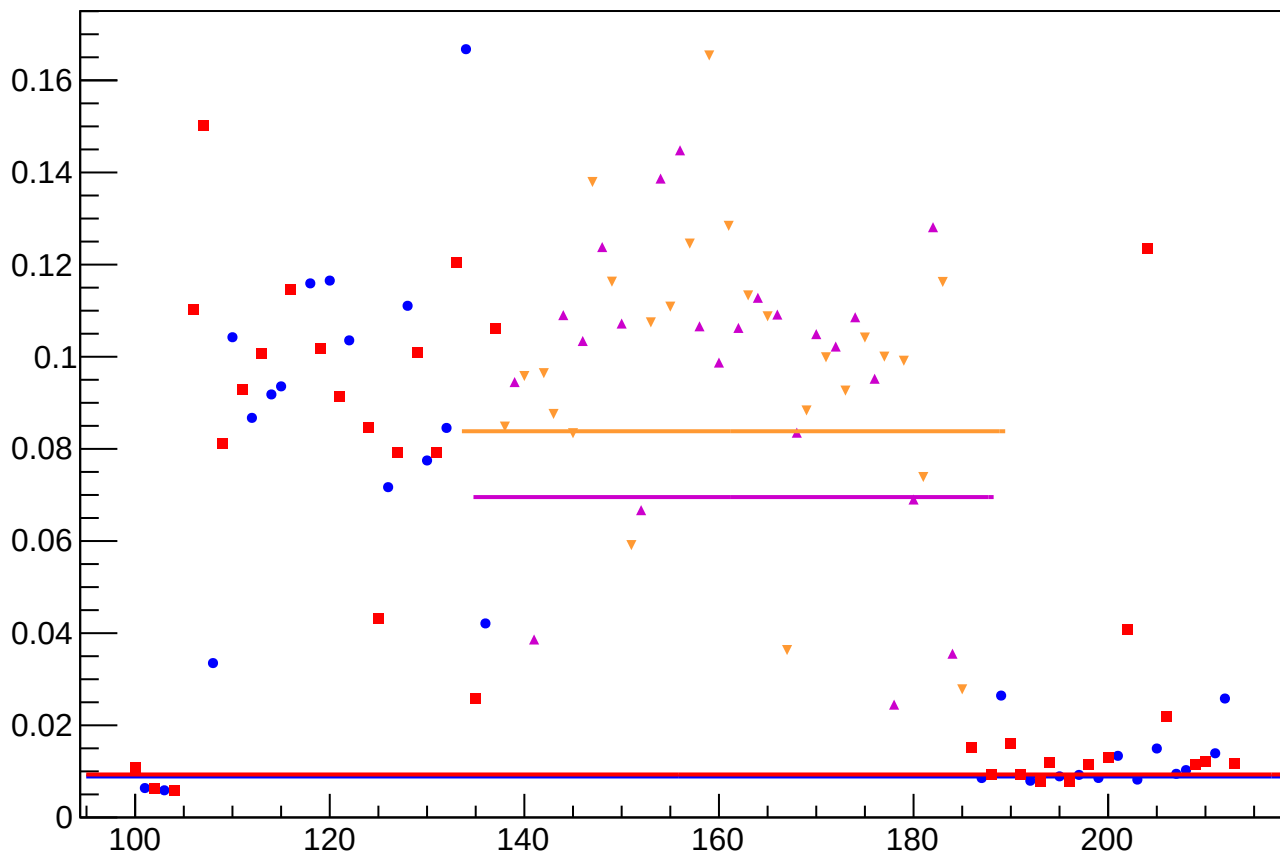
Left In: -0.018 $\pm$ 0.000 χ^2 /NDF: 3455714643.1/22

+ sign 1.245 $\pm$ 0.000 χ^2 /NDF: 240219316283.1/53

All: 1.300 $\pm$ 0.000 χ^2 /NDF: 457155610354.0

- sign 1.361 $\pm$ 0.000 χ^2 /NDF: 216509820467.7/56

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 9061213.9/28

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:3830160.2/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10517376.1/33

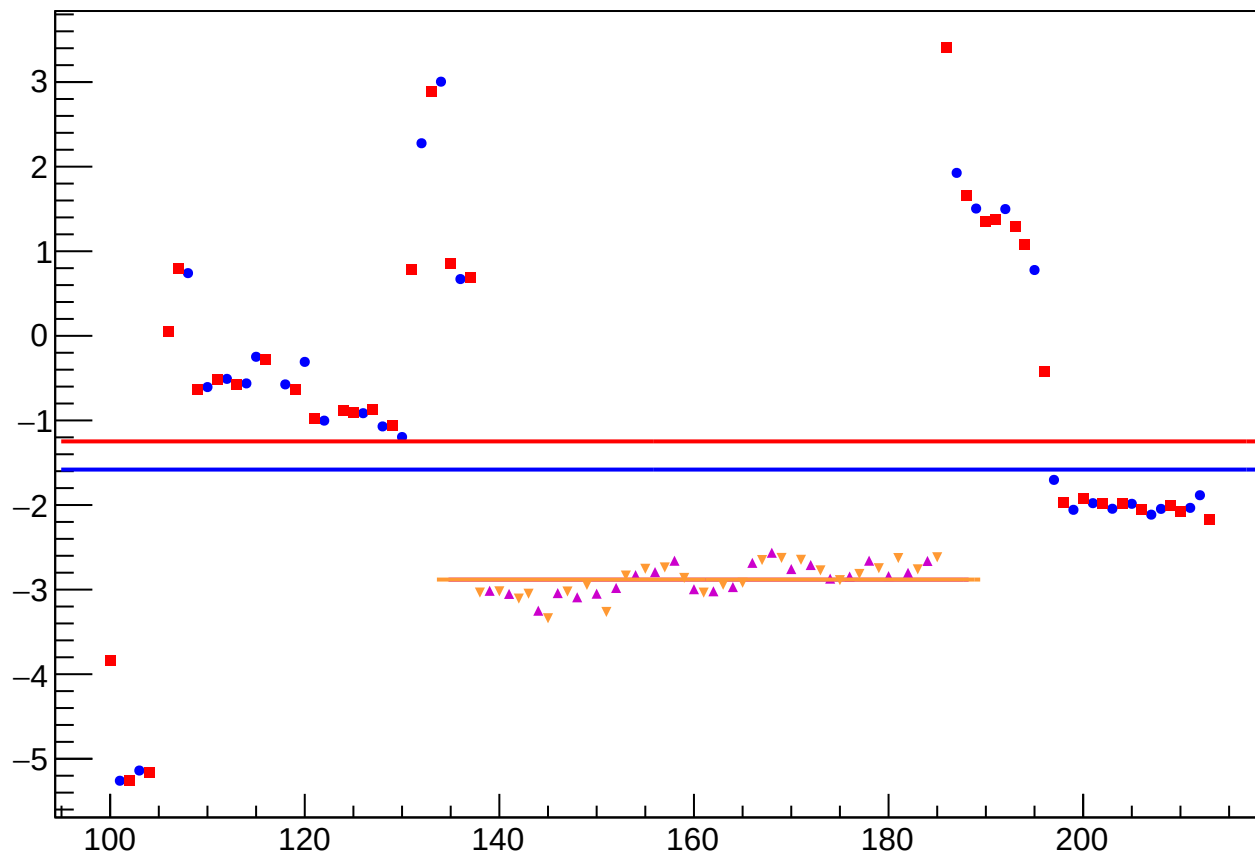
Left In: 0.070 $\pm$ 0.000 χ^2 /NDF:6697383.9/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 35295308.4/53

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 69099647.9/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 33789024.8/56

yield_bpm0l04X_mean vs Slug



Right In: -1.581+/-0.000 χ^2/NDF : 209369139032.4/28

Left Out: -2.881+/-0.000 χ^2/NDF : 10553050715.1/24

Right Out: -1.248+/-0.000 χ^2/NDF : 239764445083.6/33

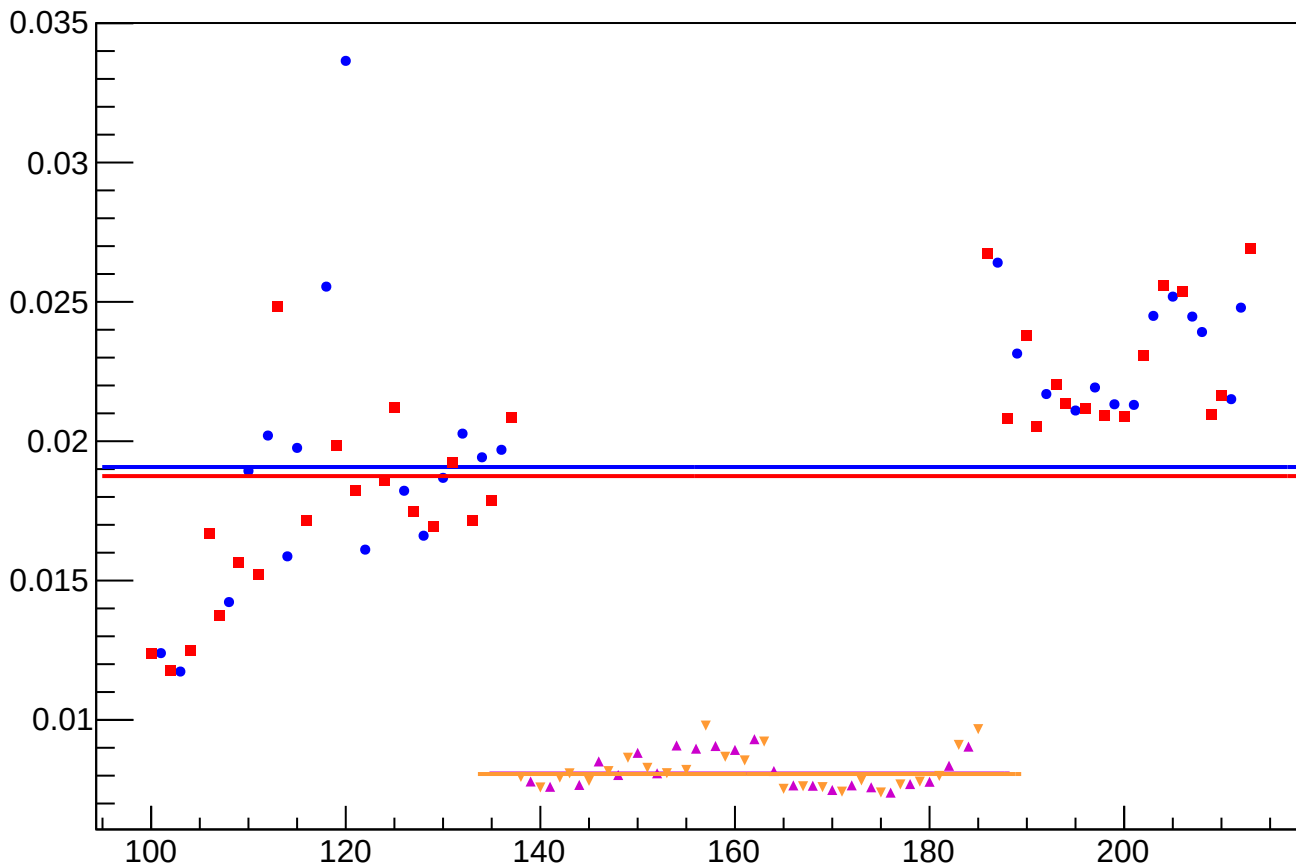
Left In: -2.882+/-0.000 χ^2/NDF : 8300047325.0/22

+ sign -2.715+/-0.000 χ^2/NDF : 281240211339.3/53

All: -2.675+/-0.000 χ^2/NDF : 638861750170.3

- sign -2.634+/-0.000 χ^2/NDF : 356574824578.9/56

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1748551.9/28

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:185446.1/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 1718231.9/33

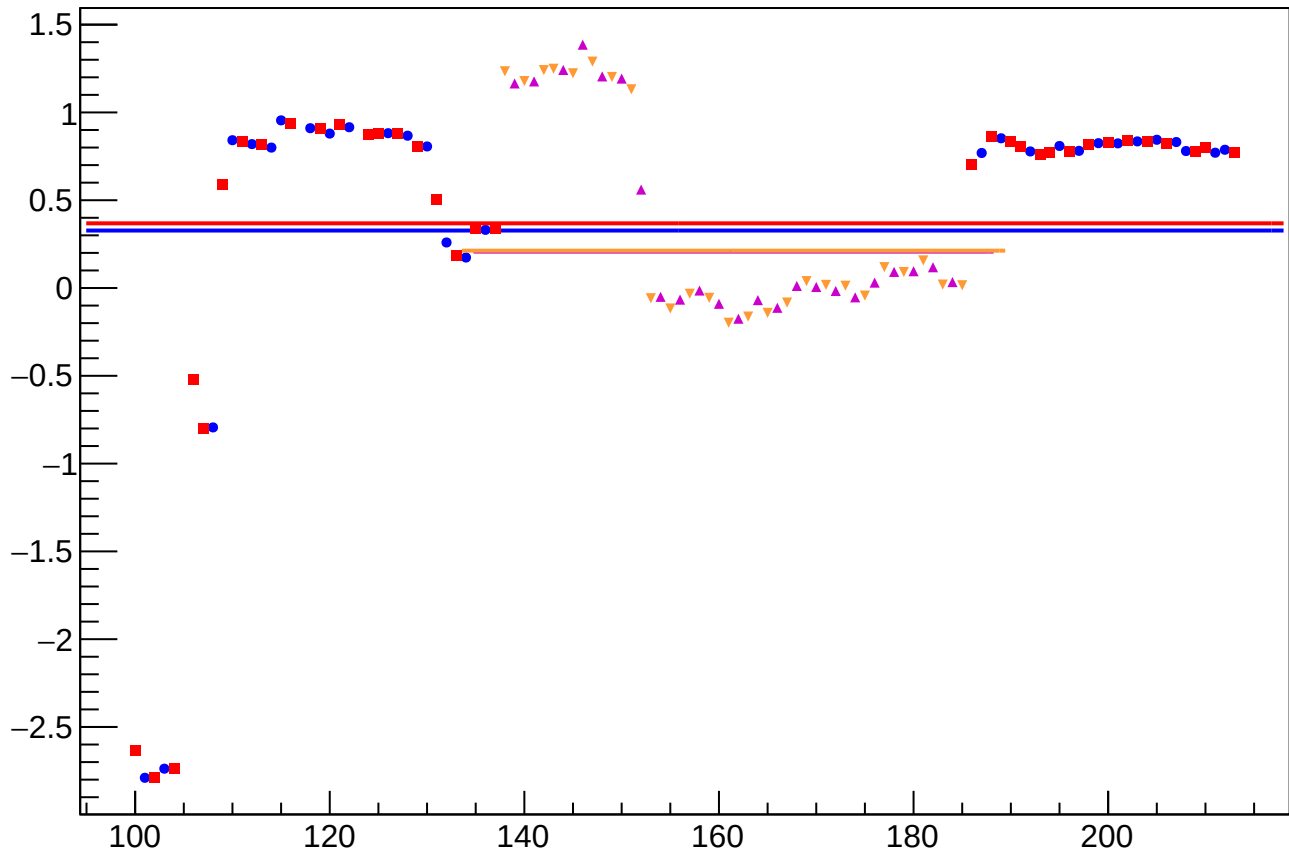
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:181843.4/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 10736683.8/53

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 21903663.6/110

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 11149694.4/56

yield_bpm0l04Y_mean vs Slug



Right In: 0.327+/-0.000 χ^2/NDF : 971999467181.5/28

Left Out: 0.213+/-0.000 χ^2/NDF : 102819241186.2/24

Right Out: 0.368+/-0.000 χ^2/NDF : 1060833179946.5/33

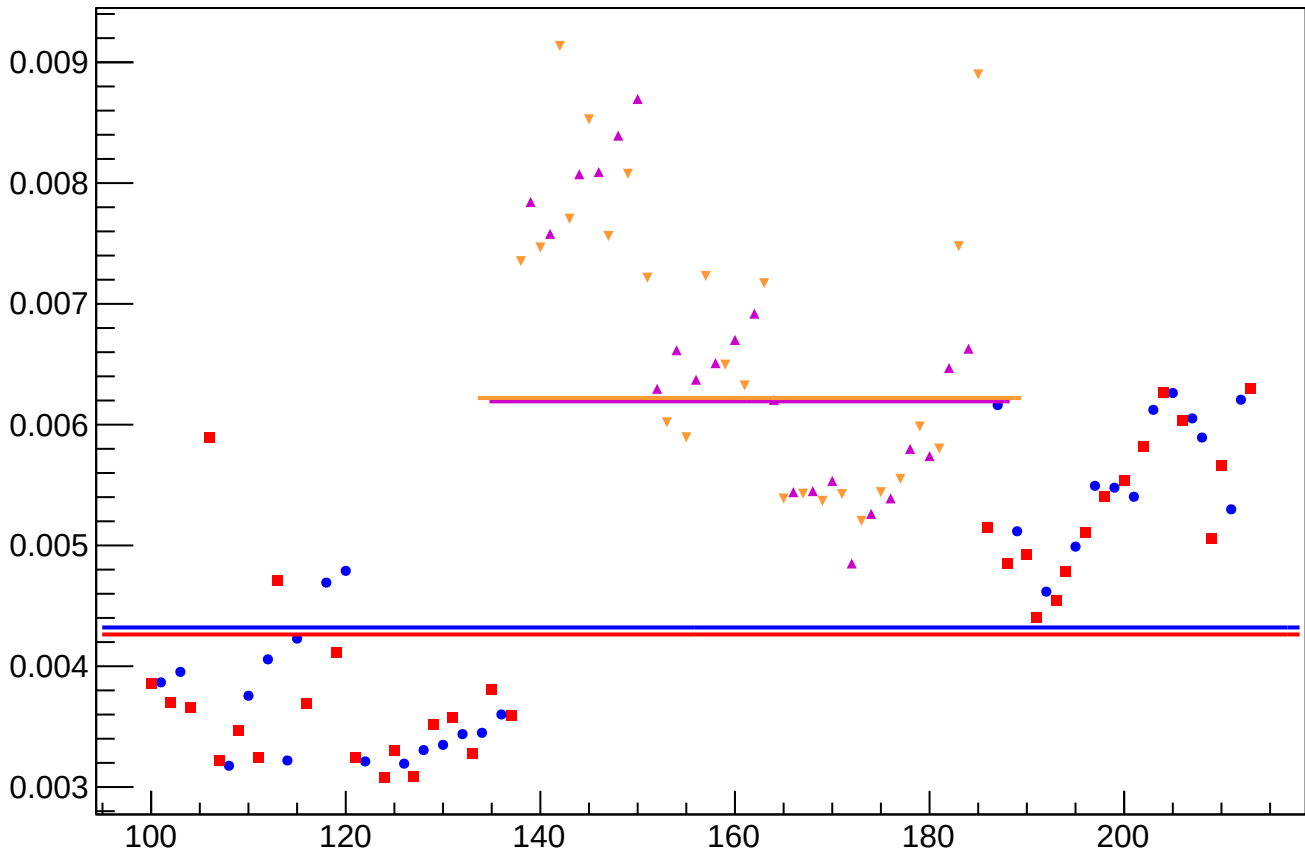
Left In: 0.207+/-0.000 χ^2/NDF : 87109076861.7/22

+ sign 0.289+/-0.000 χ^2/NDF : 1078564439409.3/53

All: 0.305+/-0.000 χ^2/NDF : 2234599461519.0

- sign 0.320+/-0.000 χ^2/NDF : 1155403118639.5/56

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1799999.2/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:813678.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1874351.0/33

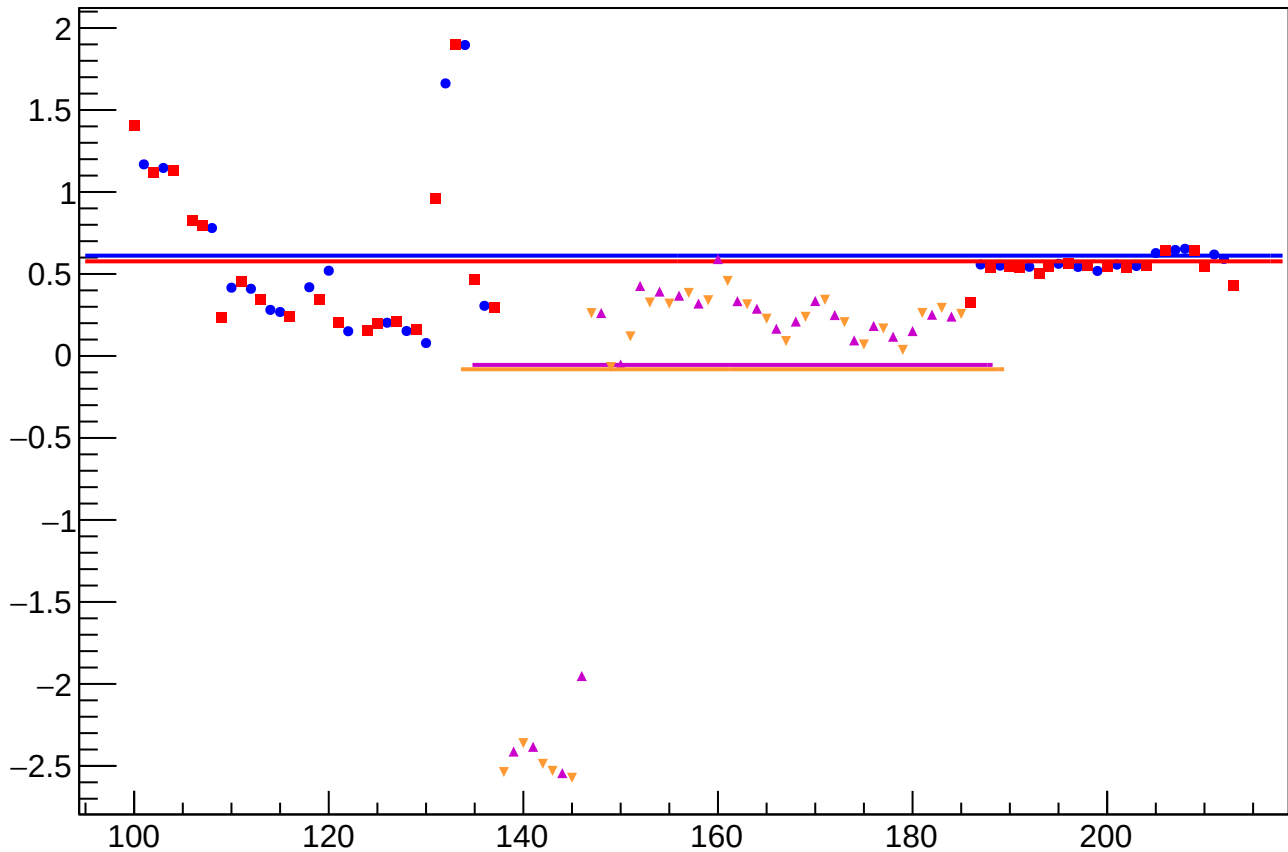
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:816234.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4670447.8/53

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 9523453.6/110

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4835625.3/56

yield_bpm0l05X_mean vs Slug



Right In: 0.612 ± 0.000 χ^2/NDF : 43975236545.0/28

Left Out: -0.081 ± 0.000 χ^2/NDF : 388332231902.9/24

Right Out: 0.577 ± 0.000 χ^2/NDF : 45732504971.1/33

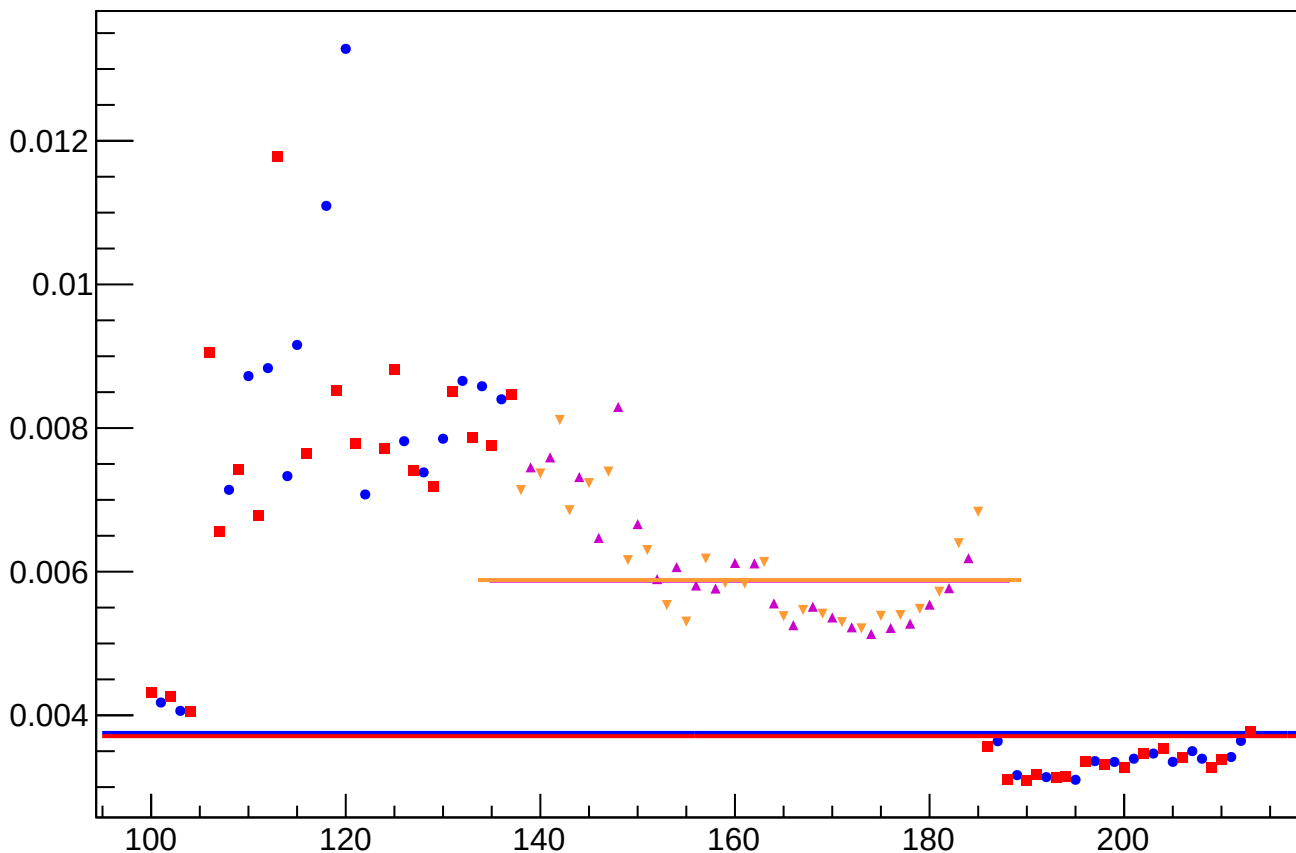
Left In: -0.055 ± 0.000 χ^2/NDF : 347072248163.0/22

+ sign 0.381 ± 0.000 χ^2/NDF : 594706484343.8/53

All: 0.387 ± 0.000 χ^2/NDF : 1124186977767.

- sign 0.392 ± 0.000 χ^2/NDF : 529398746791.8/56

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3485749.5/28

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:457789.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3479534.6/33

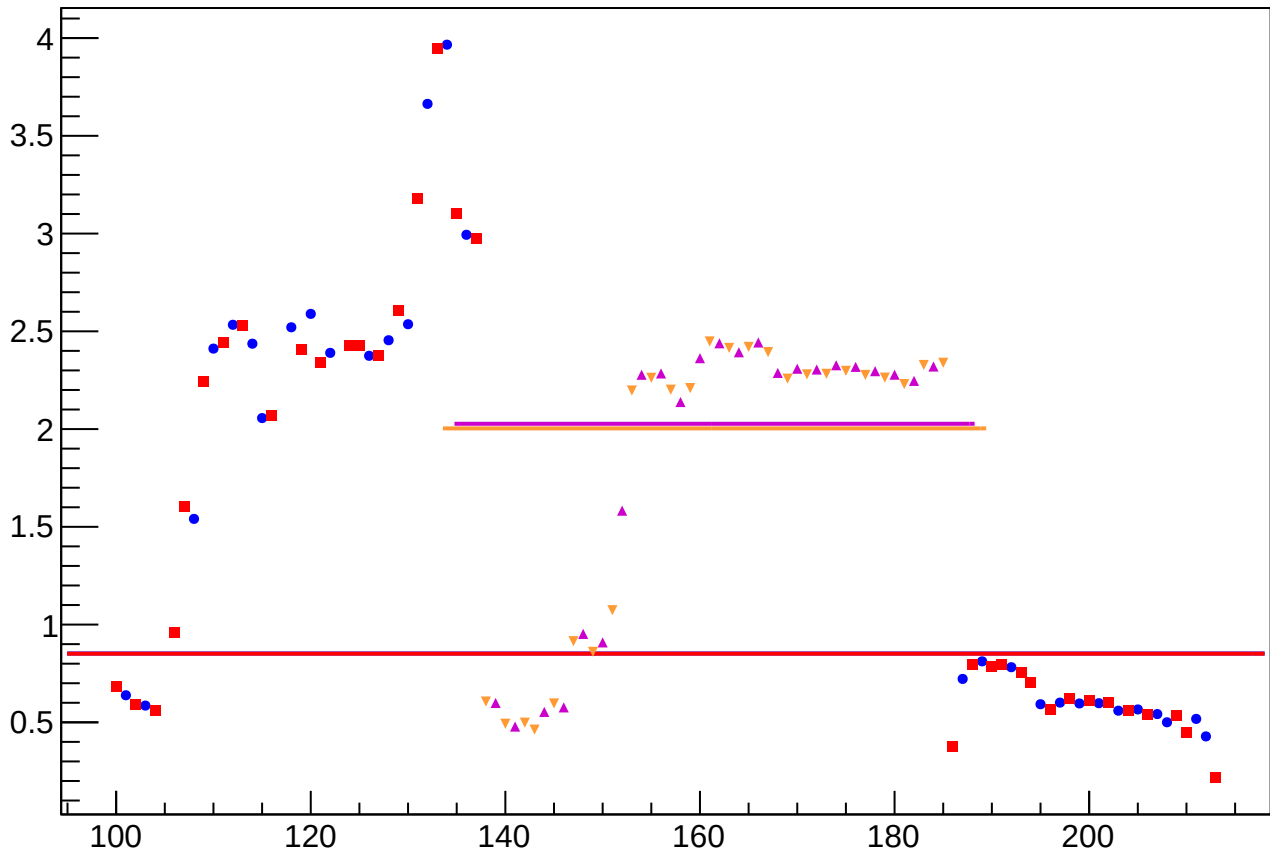
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:521878.3/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7008881.5/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14242632.8/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7212002.2/56

yield_bpm0l05Y_mean vs Slug



Right In: 0.852 $\pm$ 0.000 χ^2 /NDF: 249878176586.2/28

Left Out: 2.004 $\pm$ 0.000 χ^2 /NDF:219172813454.7/24

Right Out: 0.851 $\pm$ 0.000 χ^2 /NDF: 287816524234.5/33

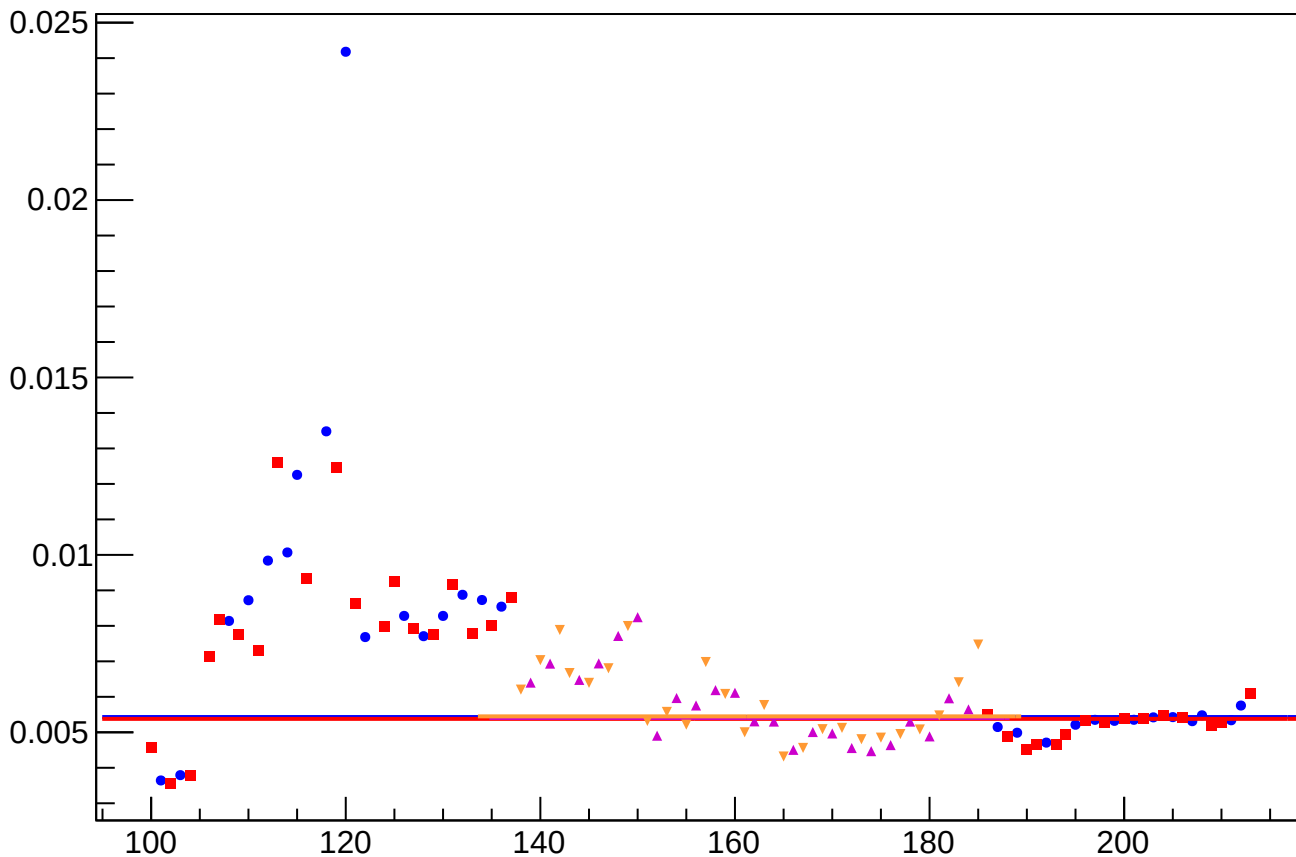
Left In: 2.027 $\pm$ 0.000 χ^2 /NDF:194461333084.6/22

+ sign 1.454 $\pm$ 0.000 χ^2 /NDF: 817785766795.1/53

All: 1.435 $\pm$ 0.000 χ^2 /NDF: 1682135331891.1

- sign 1.417 $\pm$ 0.000 χ^2 /NDF: 863595175674.9/56

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2313607.7/28

Left Out: 0.005+/-0.000 χ^2/NDF : 771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2152955.1/33

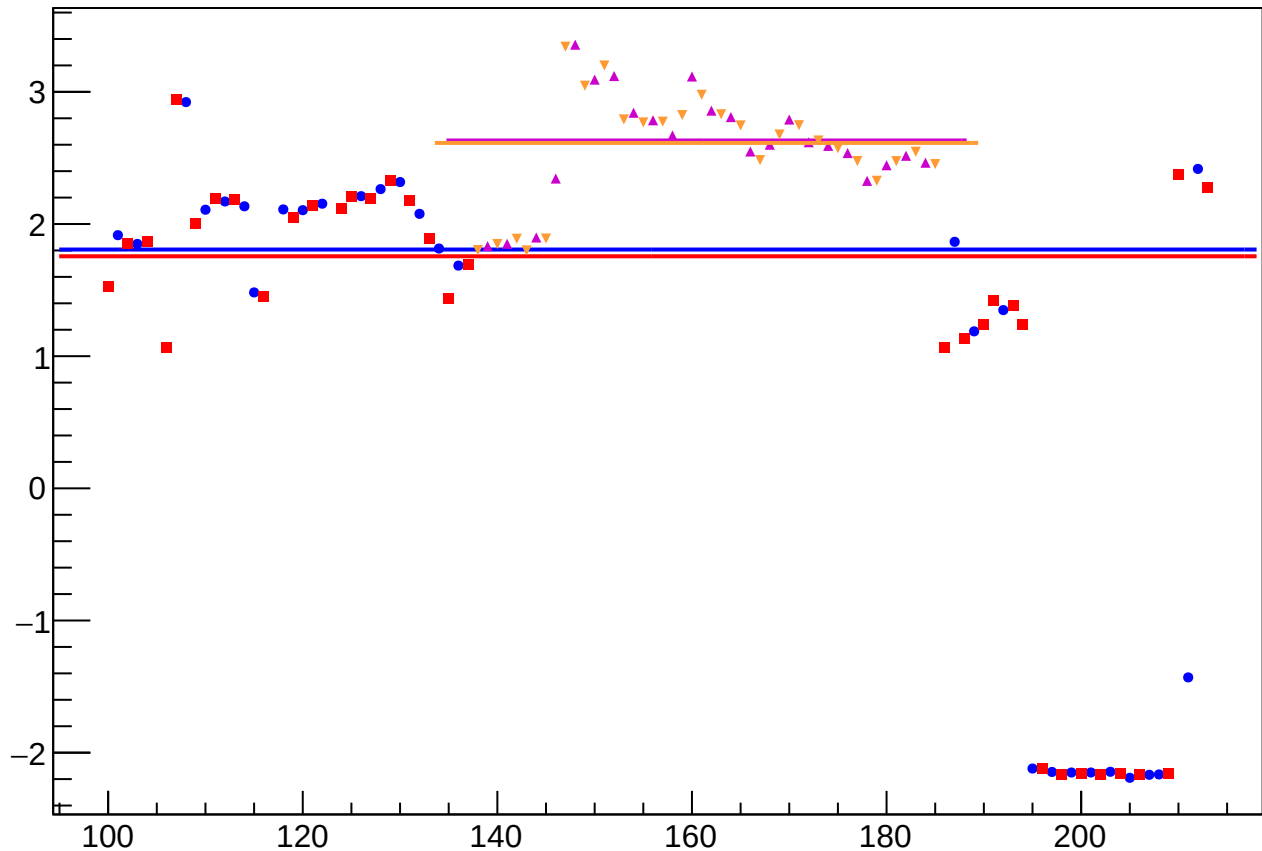
Left In: 0.005+/-0.000 χ^2/NDF : 815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF : 3085216.4/53

All: 0.005+/-0.000 χ^2/NDF : 6056208.0/110

- sign 0.005+/-0.000 χ^2/NDF : 2968461.8/56

yield_bpm0l06X_mean vs Slug



Right In: 1.807 $\pm$ 0.000 χ^2 /NDF: 184128162505.2/28

Left Out: 2.614 $\pm$ 0.000 χ^2 /NDF: 46402554271.4/24

Right Out: 1.756 $\pm$ 0.000 χ^2 /NDF: 165209790918.5/33

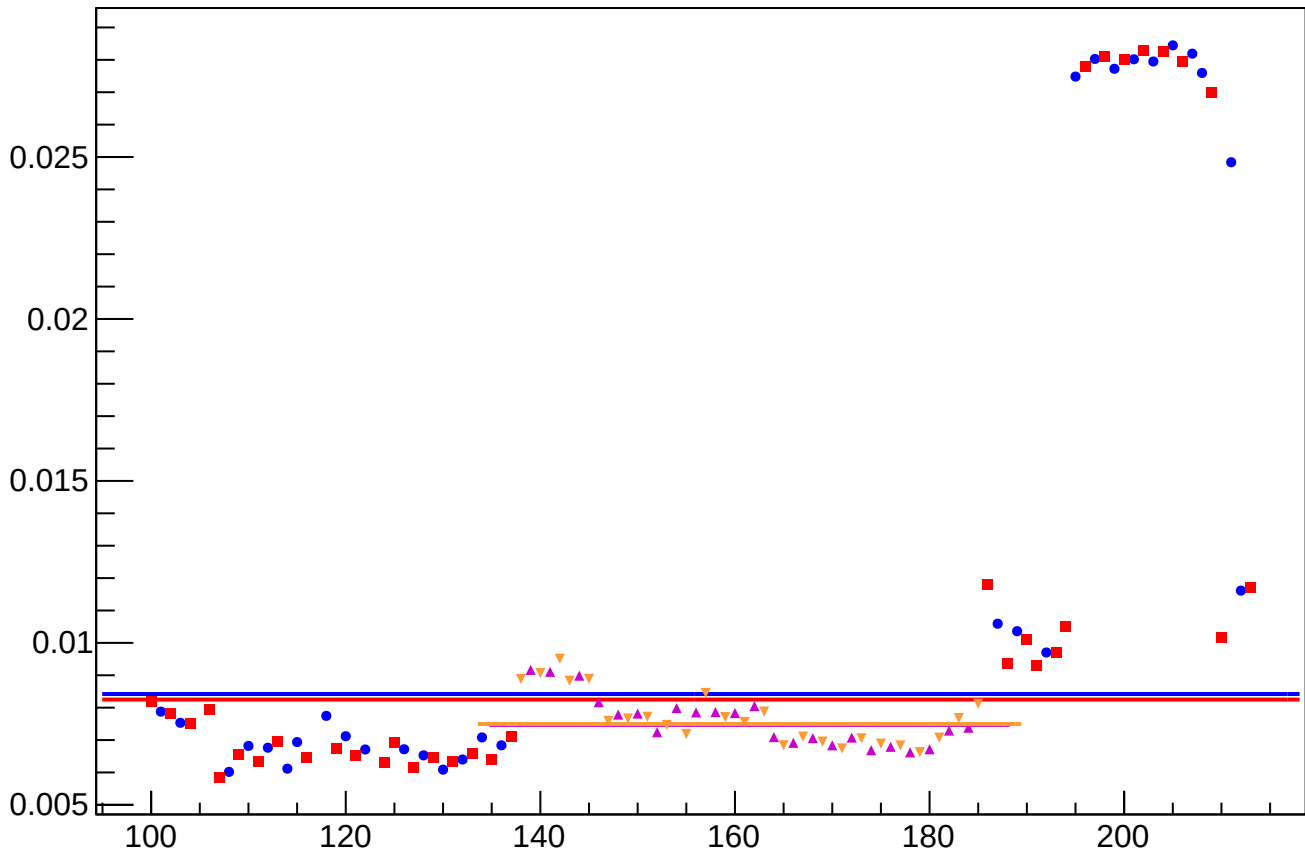
Left In: 2.632 $\pm$ 0.000 χ^2 /NDF: 40551967819.7/22

+ sign 2.326 $\pm$ 0.000 χ^2 /NDF: 305459862341.9/53

All: 2.299 $\pm$ 0.000 χ^2 /NDF: 609528552065.1

- sign 2.273 $\pm$ 0.000 χ^2 /NDF: 303358217291.0/56

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 8430690.2/28

Left Out: 0.007+/-0.000 χ^2/NDF :332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 7394028.1/33

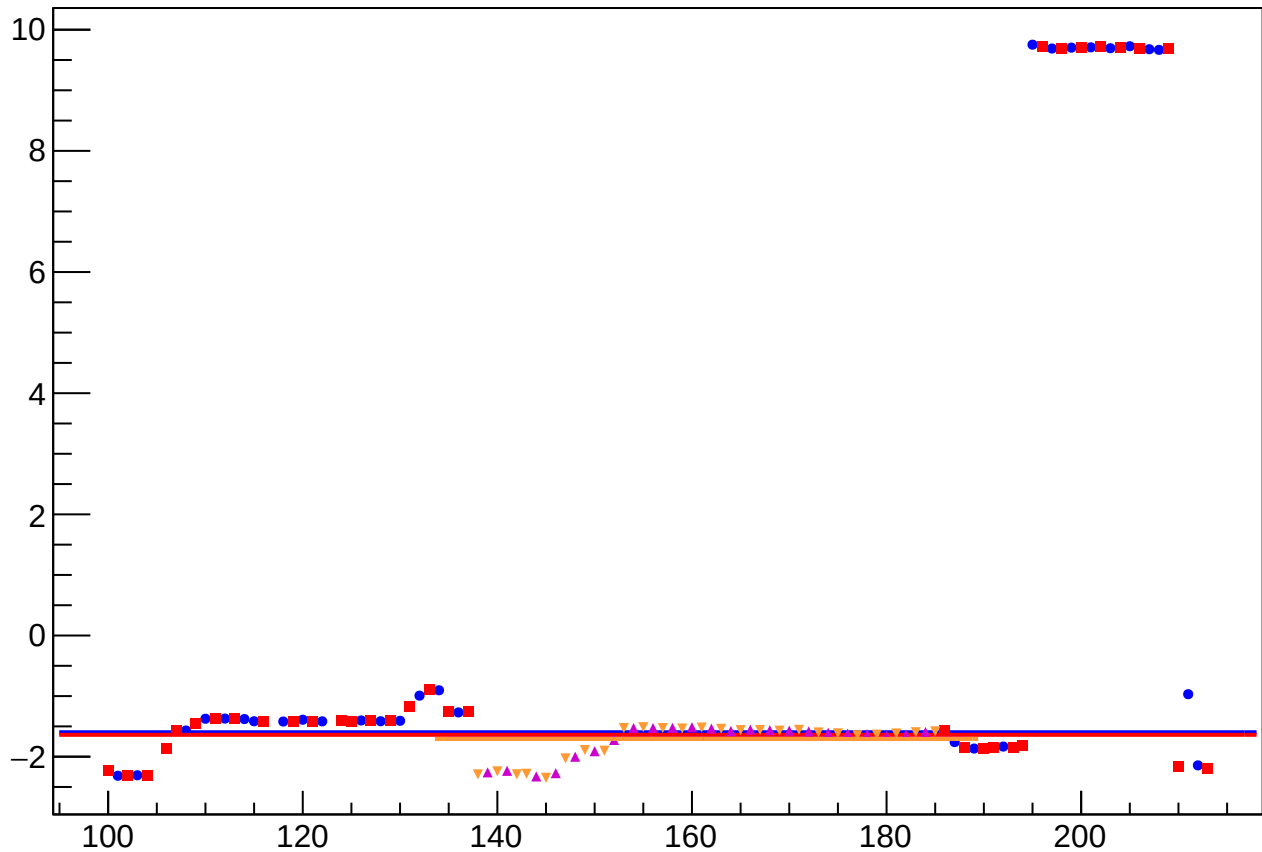
Left In: 0.007+/-0.000 χ^2/NDF :321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 8960914.5/53

All: 0.008+/-0.000 χ^2/NDF : 16833113.2/110

- sign 0.008+/-0.000 χ^2/NDF : 7871481.8/56

yield_bpm0l06Y_mean vs Slug



Right In: -1.597+/-0.000 χ^2/NDF : 434890047114.7/28

Left Out: -1.708+/-0.000 χ^2/NDF : 151845502556.2/24

Right Out: -1.639+/-0.000 χ^2/NDF : 434452289653.8/33

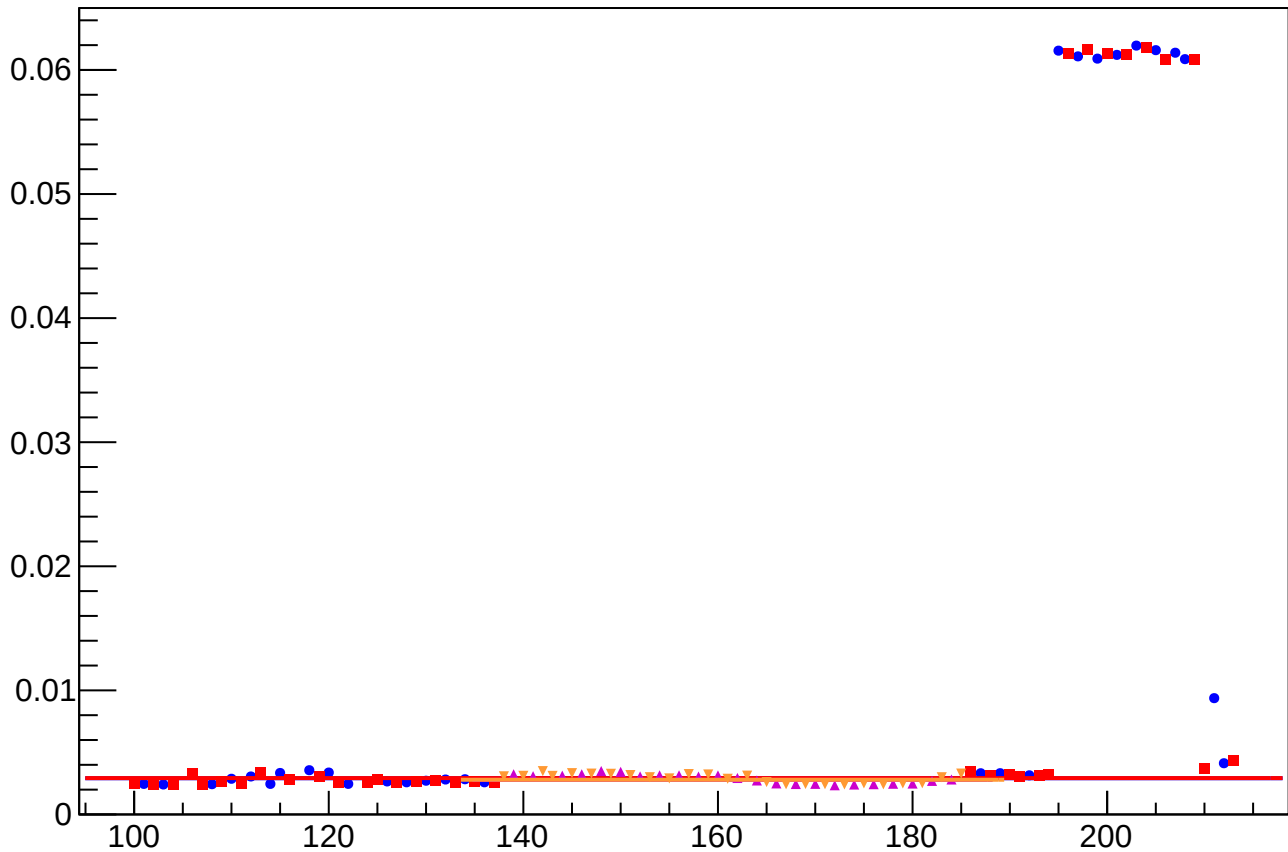
Left In: -1.705+/-0.000 χ^2/NDF : 136540618081.0/22

+ sign -1.671+/-0.000 χ^2/NDF : 596103279731.2/53

All: -1.675+/-0.000 χ^2/NDF : 1171035364875

- sign -1.679+/-0.000 χ^2/NDF : 574800752236.7/56

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 13130404.9/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:547758.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 11731412.6/33

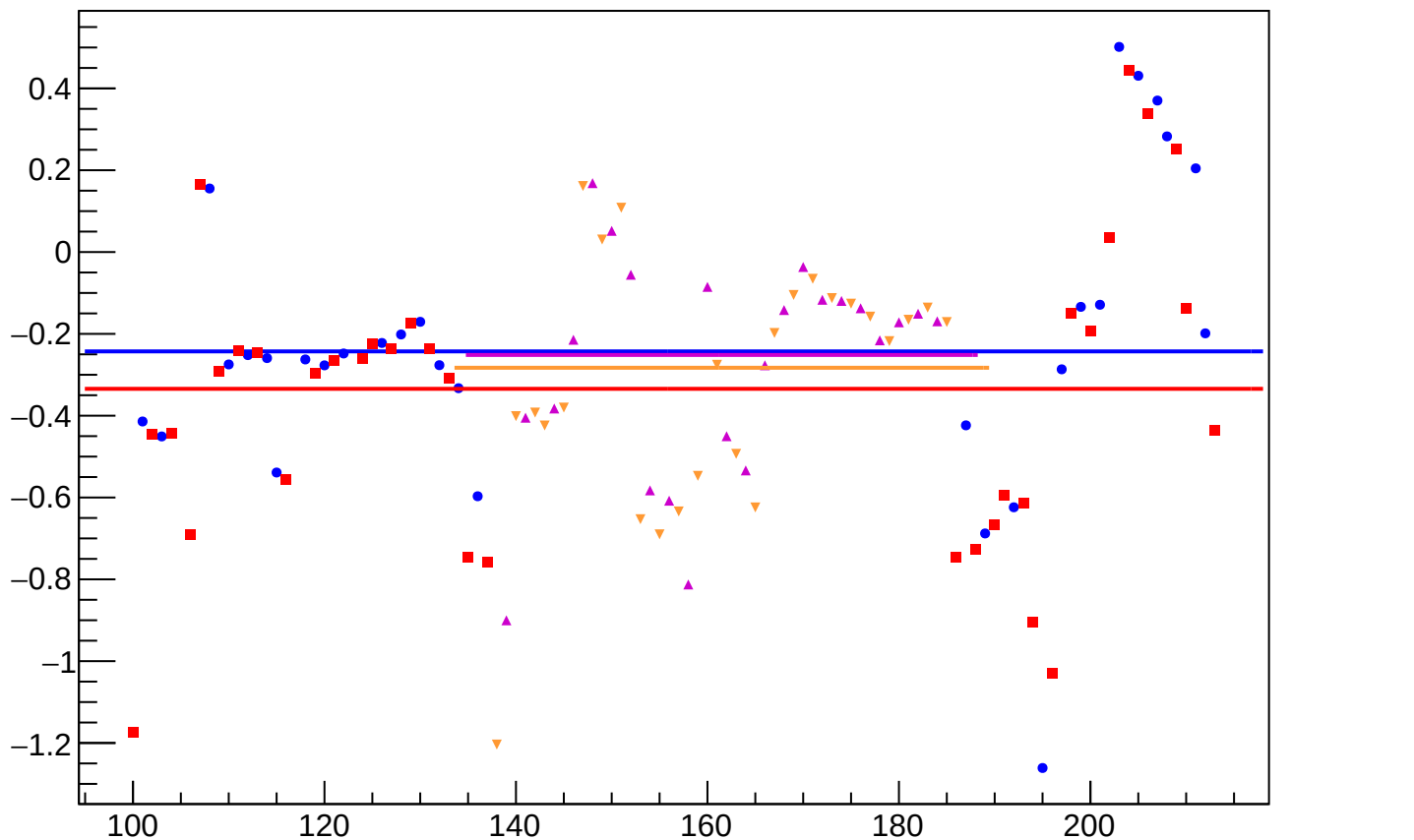
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:557113.5/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 13700286.1/53

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 26026167.5/110

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12325784.1/56

yield_bpm0l07X_mean vs Slug



Right In: -0.243 ± 0.000 χ^2/NDF : 9708476995.7/28

Left Out: -0.283 ± 0.000 χ^2/NDF : 9343511244.8/24

Right Out: -0.334 ± 0.000 χ^2/NDF : 9916412488.2/33

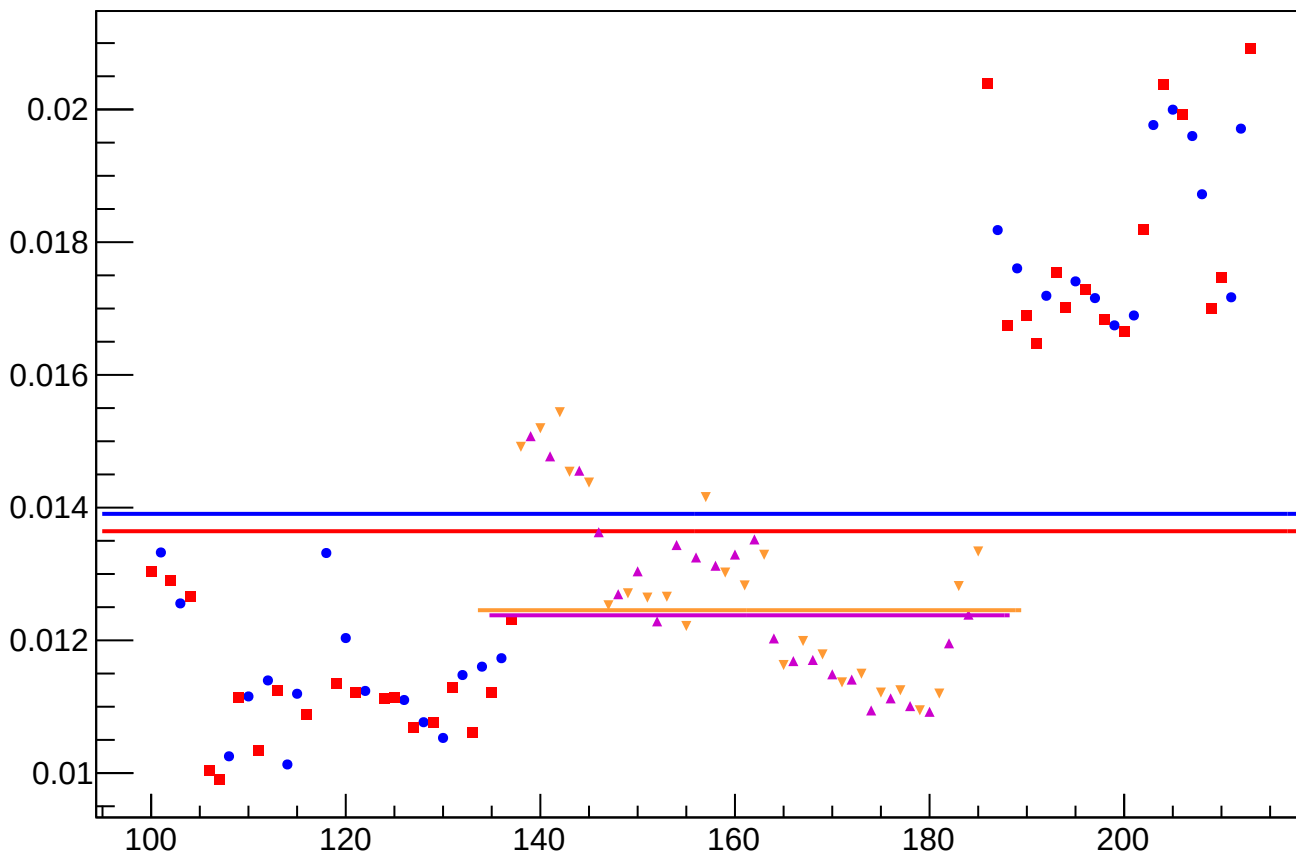
Left In: -0.252 ± 0.000 χ^2/NDF : 7167367678.6/22

+ sign -0.266 ± 0.000 χ^2/NDF : 19129590793.2/53

All: -0.278 ± 0.000 χ^2/NDF : 36616407378.0/56

- sign -0.289 ± 0.000 χ^2/NDF : 17434345954.1/56

yield_bpm0l07X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1785424.0/28

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:341430.5/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2134243.9/33

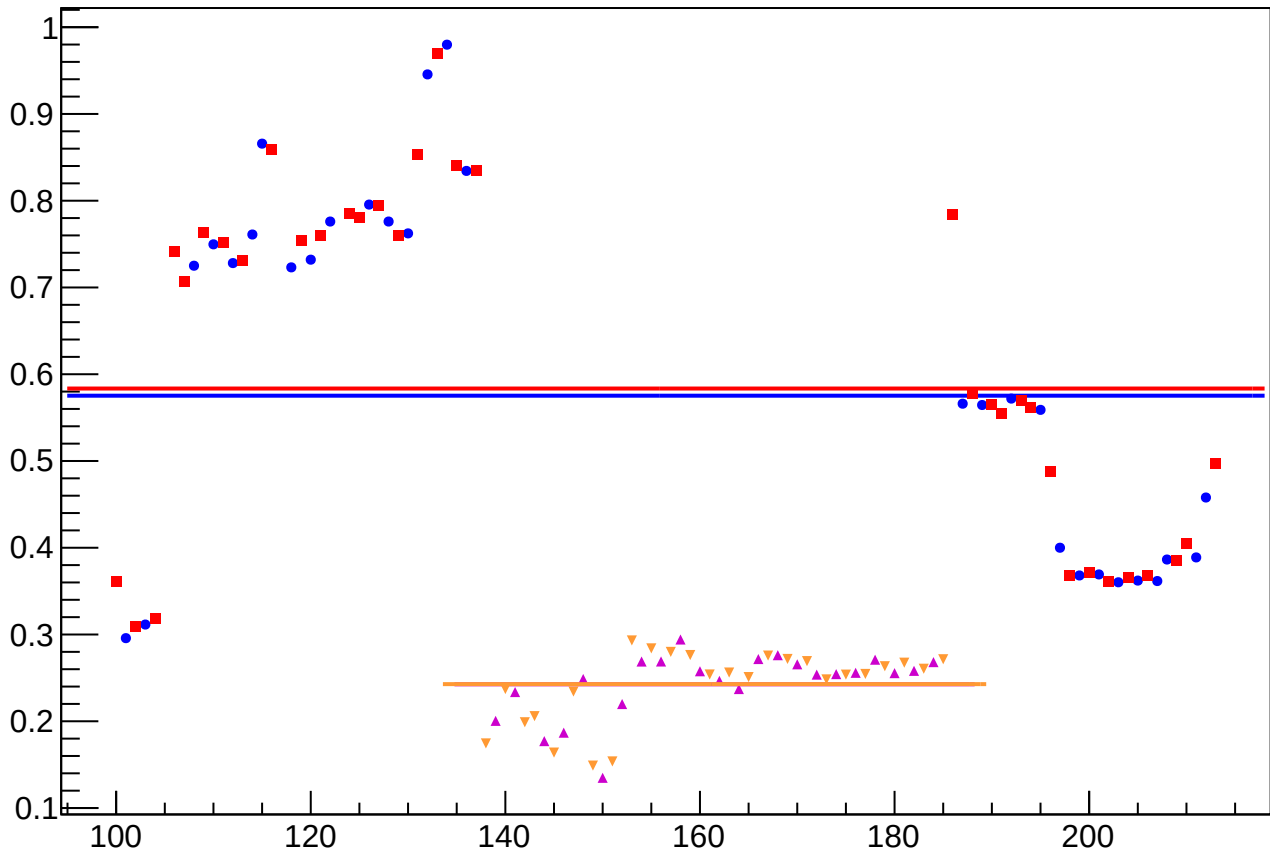
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:326925.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2331378.9/53

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4958911.7/110

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2625437.6/56

yield_bpm0l07Y_mean vs Slug



Right In: 0.575 $\pm$ 0.000 χ^2 /NDF: 97976354741.9/28

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 7290530687.7/24

Right Out: 0.584 $\pm$ 0.000 χ^2 /NDF: 93468474056.9/33

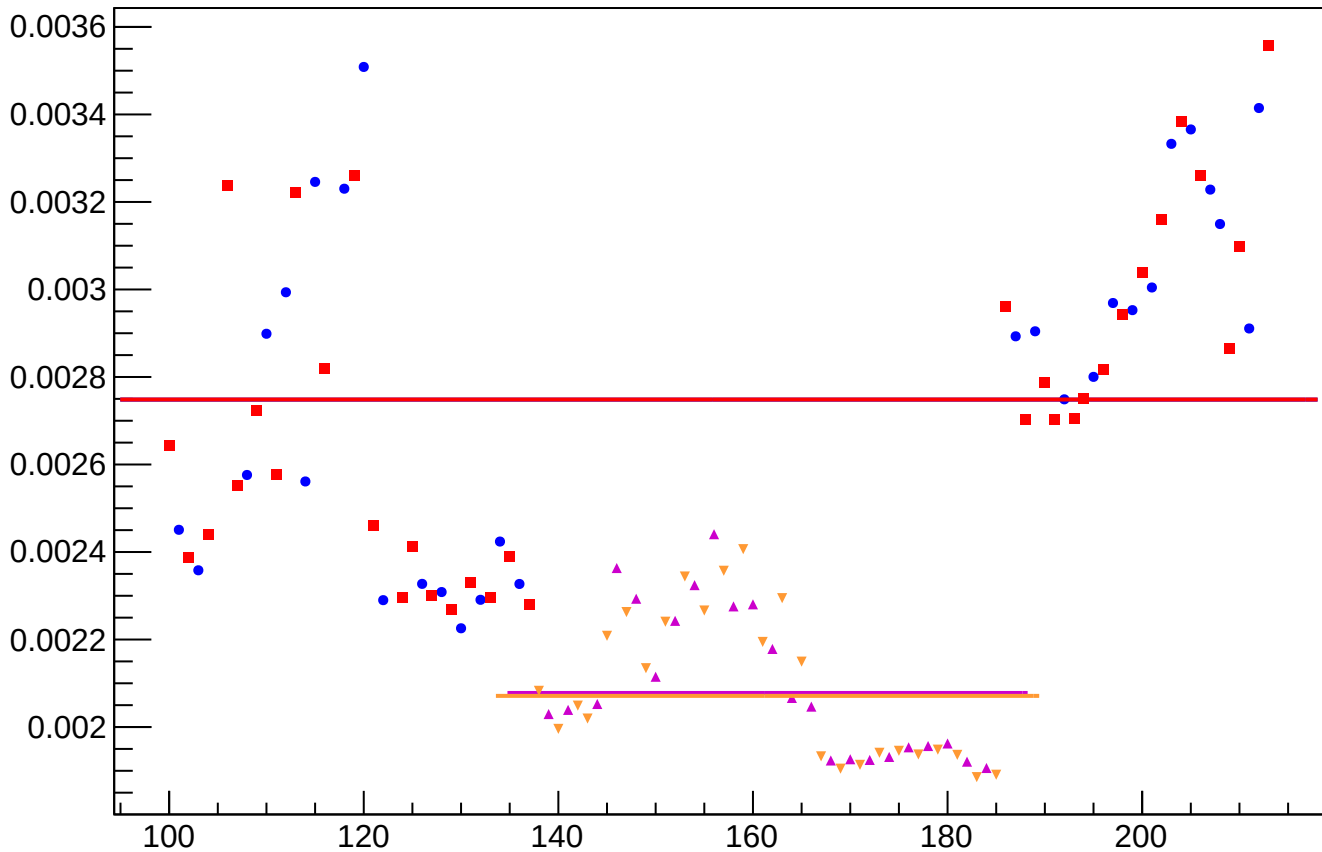
Left In: 0.243 $\pm$ 0.000 χ^2 /NDF: 5781231269.1/22

+ sign 0.353 $\pm$ 0.000 χ^2 /NDF: 267573748345.1/53

All: 0.360 $\pm$ 0.000 χ^2 /NDF: 544505206188.7

- sign 0.367 $\pm$ 0.000 χ^2 /NDF: 276283676290.4/56

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 649696.5/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:233799.0/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 592638.6/33

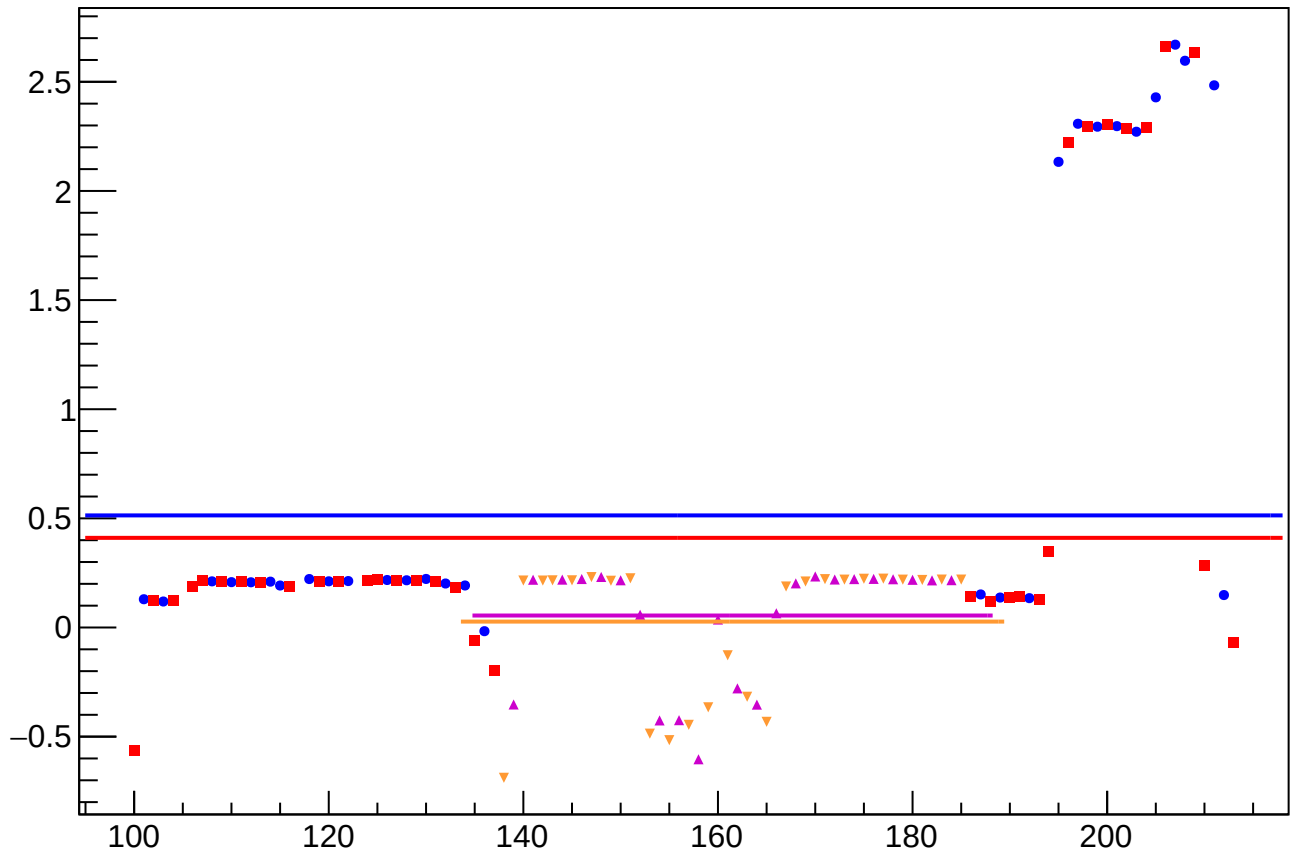
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:211544.0/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2229634.8/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4408626.8/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2174167.5/56

yield_bpm0l08X_mean vs Slug



Right In: 0.514+/-0.000 χ^2/NDF : 61272747630.9/28

Left Out: 0.027+/-0.000 χ^2/NDF : 12975171876.0/24

Right Out: 0.411+/-0.000 χ^2/NDF : 54780353453.9/33

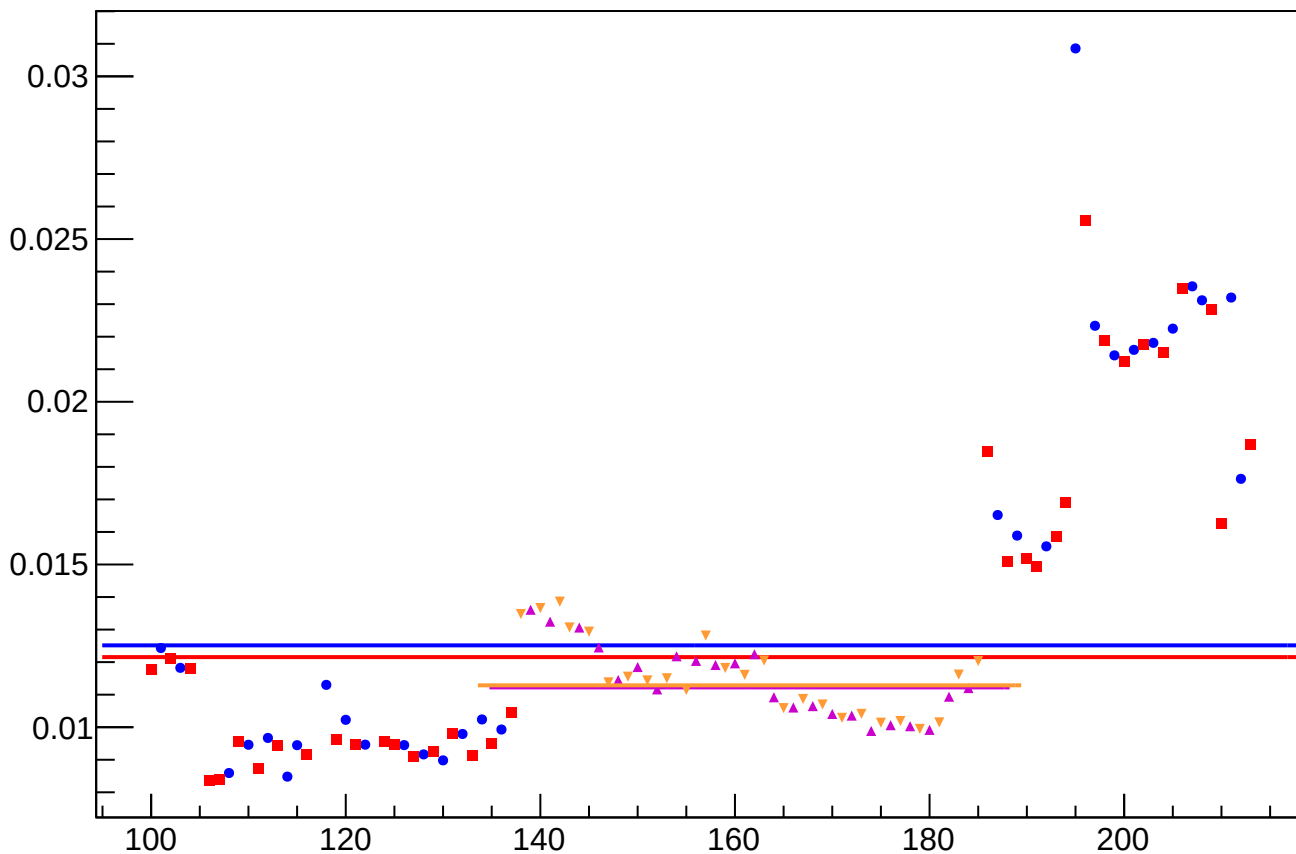
Left In: 0.055+/-0.000 χ^2/NDF : 9704180322.0/22

+ sign 0.219+/-0.000 χ^2/NDF : 87675559155.4/53

All: 0.216+/-0.000 χ^2/NDF : 159910687860.7

- sign 0.213+/-0.000 χ^2/NDF : 72230431262.9/56

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 4650549.2/28

Left Out: 0.011+/-0.000 χ^2/NDF :328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4524696.0/33

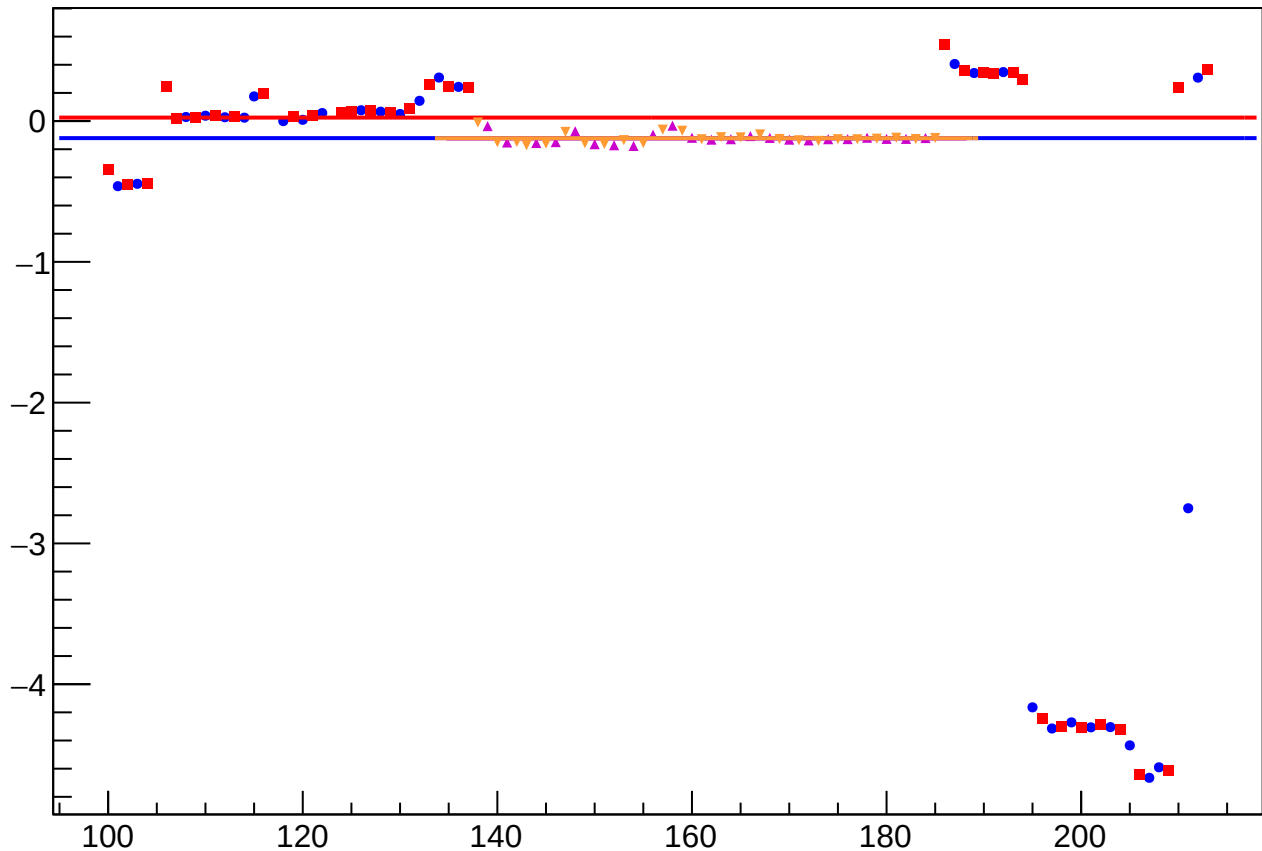
Left In: 0.011+/-0.000 χ^2/NDF :315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF : 5149973.9/53

All: 0.012+/-0.000 χ^2/NDF : 10100474.6/110

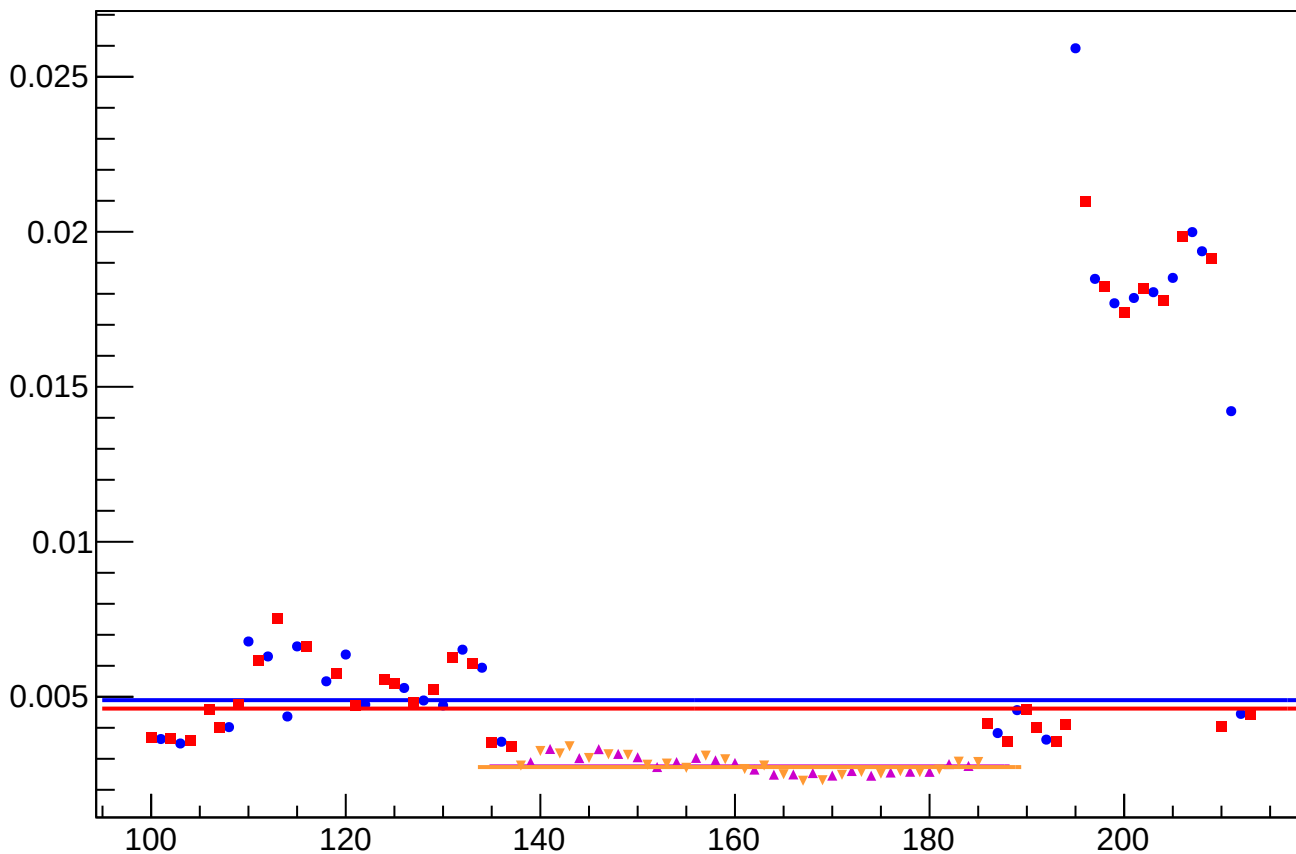
- sign 0.012+/-0.000 χ^2/NDF : 4946067.1/56

yield_bpm0l08Y_mean vs Slug



Right In: -0.121 ± 0.000	$\chi^2/\text{NDF}: 419569614381.0/28$	+ sign -0.122 ± 0.000	$\chi^2/\text{NDF}: 422492361567.4/53$
Left Out: -0.122 ± 0.000	$\chi^2/\text{NDF}: 2922583819.6/24$	All: -0.106 ± 0.000	$\chi^2/\text{NDF}: 835900298294.1$
Right Out: 0.025 ± 0.000	$\chi^2/\text{NDF}: 398169402037.5/33$	- sign -0.091 ± 0.000	$\chi^2/\text{NDF}: 412036090711.0/56$
Left In: -0.124 ± 0.000	$\chi^2/\text{NDF}: 2809457047.2/22$		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 9294359.0/28

Left Out: 0.003+/-0.000 χ^2/NDF : 391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF : 8009279.8/33

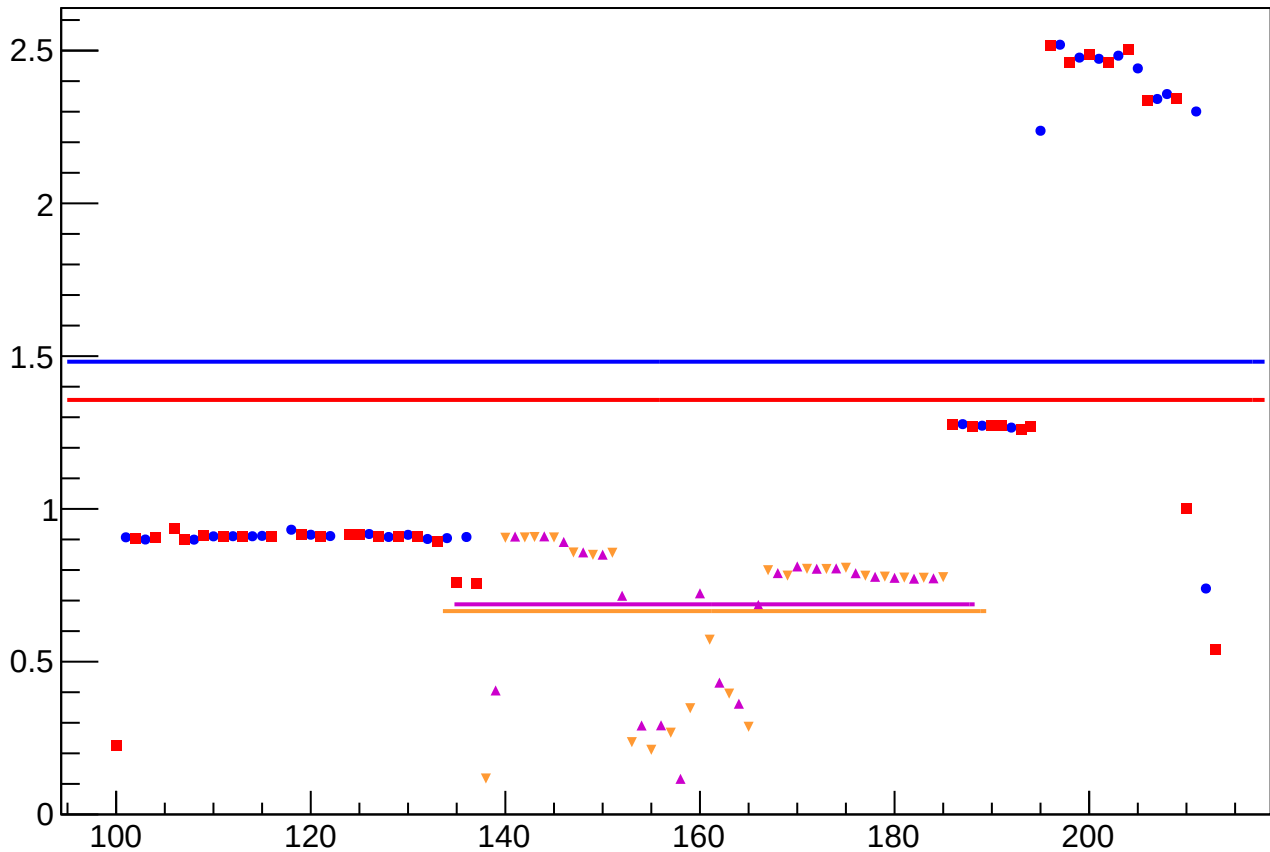
Left In: 0.003+/-0.000 χ^2/NDF : 293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF : 13471833.1/53

All: 0.003+/-0.000 χ^2/NDF : 25277180.6/110

- sign 0.003+/-0.000 χ^2/NDF : 11788489.3/56

yield_bpm0l09X_mean vs Slug



Right In: 1.482 $\pm$ 0.000 χ^2 /NDF: 54237952731.1/28

Left Out: 0.666 $\pm$ 0.000 χ^2 /NDF: 9213839939.9/24

Right Out: 1.357 $\pm$ 0.000 χ^2 /NDF: 53730592140.4/33

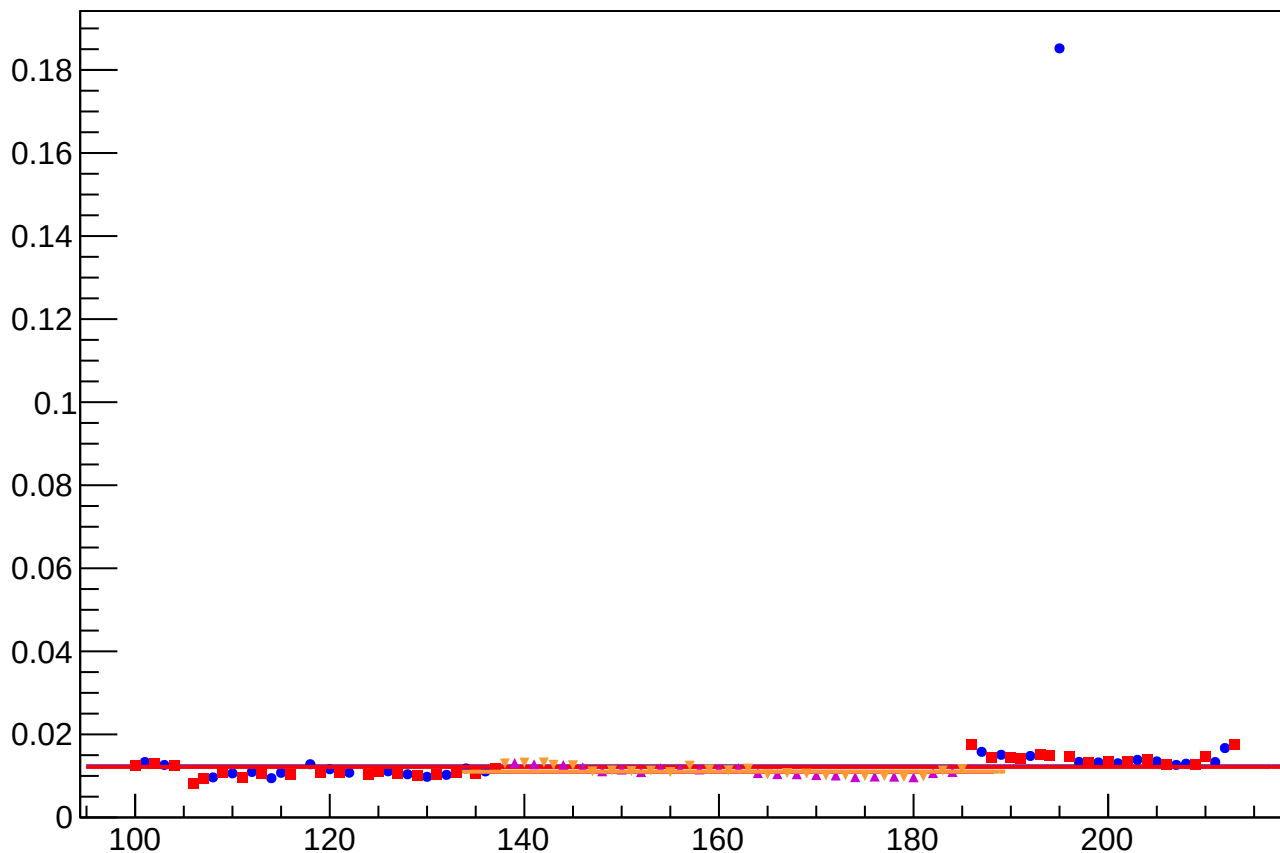
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF: 6999062215.3/22

+ sign 0.999 $\pm$ 0.000 χ^2 /NDF: 104675572970.4/53

All: 0.993 $\pm$ 0.000 χ^2 /NDF: 194484921621.4

- sign 0.987 $\pm$ 0.000 χ^2 /NDF: 89790342607.3/56

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2129276.0/28

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:299445.0/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1008287.1/33

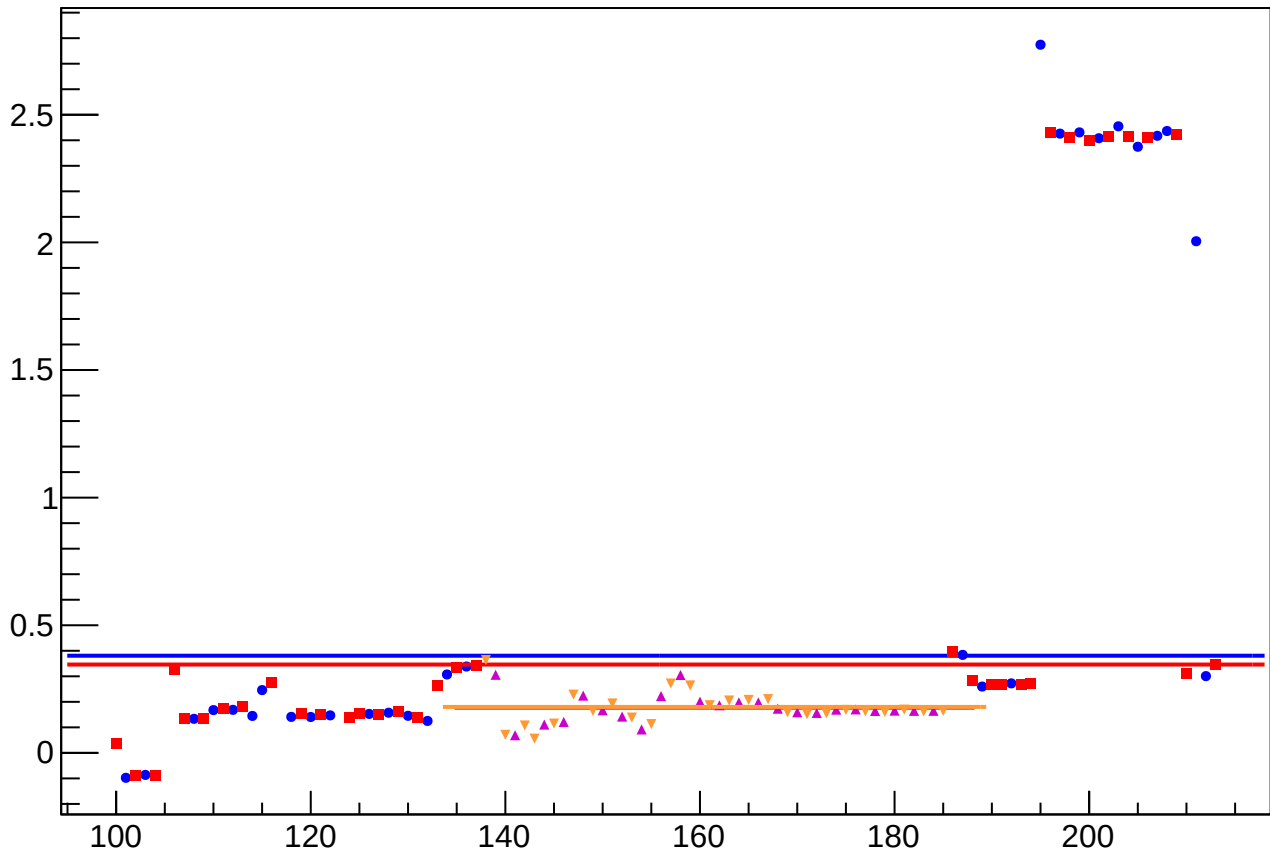
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:287650.0/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2629112.2/53

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4116074.5/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1486506.8/56

yield_bpm0l09Y_mean vs Slug



Right In: 0.381+/-0.000 χ^2/NDF : 191150295369.6/28

Left Out: 0.180+/-0.000 χ^2/NDF : 6448853953.3/24

Right Out: 0.346+/-0.000 χ^2/NDF : 163384267552.2/33

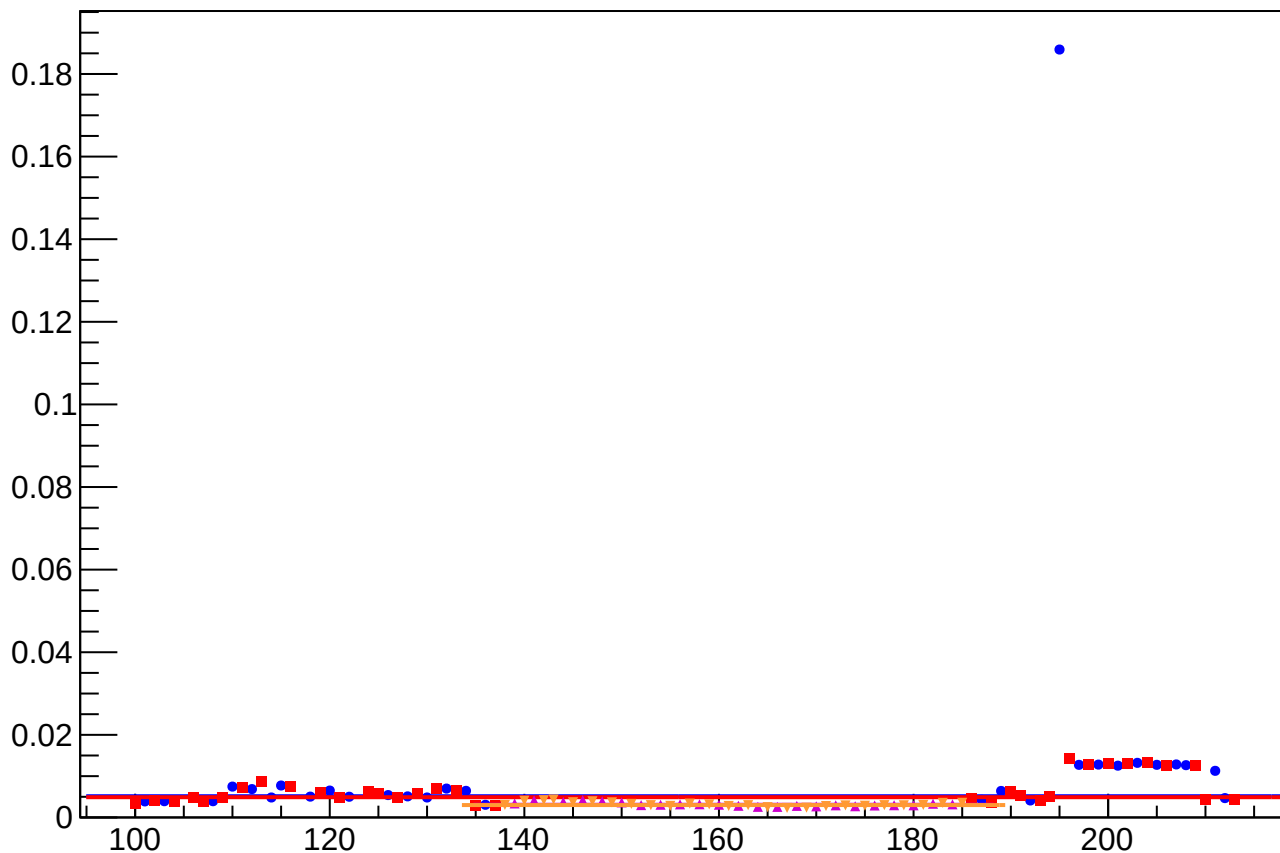
Left In: 0.177+/-0.000 χ^2/NDF : 4620854117.7/22

+ sign 0.218+/-0.000 χ^2/NDF : 212525880737.3/53

All: 0.218+/-0.000 χ^2/NDF : 392970568581.1

- sign 0.219+/-0.000 χ^2/NDF : 180444151316.1/56

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7776417.5/28

Left Out: 0.003+/-0.000 χ^2/NDF : 888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5946640.7/33

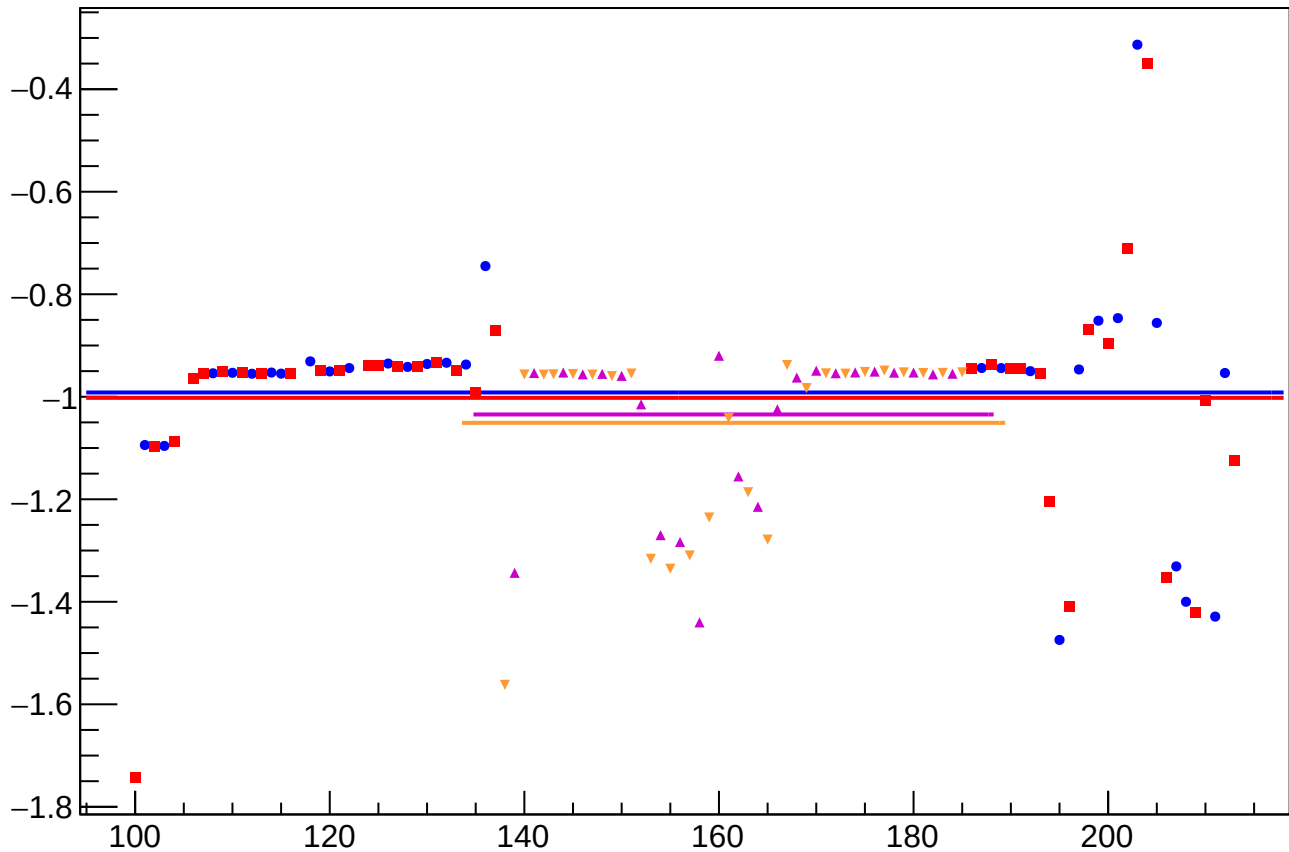
Left In: 0.003+/-0.000 χ^2/NDF : 587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 12063555.4/53

All: 0.003+/-0.000 χ^2/NDF : 21543873.1/110

- sign 0.004+/-0.000 χ^2/NDF : 9448350.0/56

yield_bpm0l10X_mean vs Slug



Right In: -0.992 ± 0.000 χ^2/NDF : 5820115417.1/28

Left Out: -1.051 ± 0.000 χ^2/NDF : 5082084184.4/24

Right Out: -1.002 ± 0.000 χ^2/NDF : 5077507848.3/33

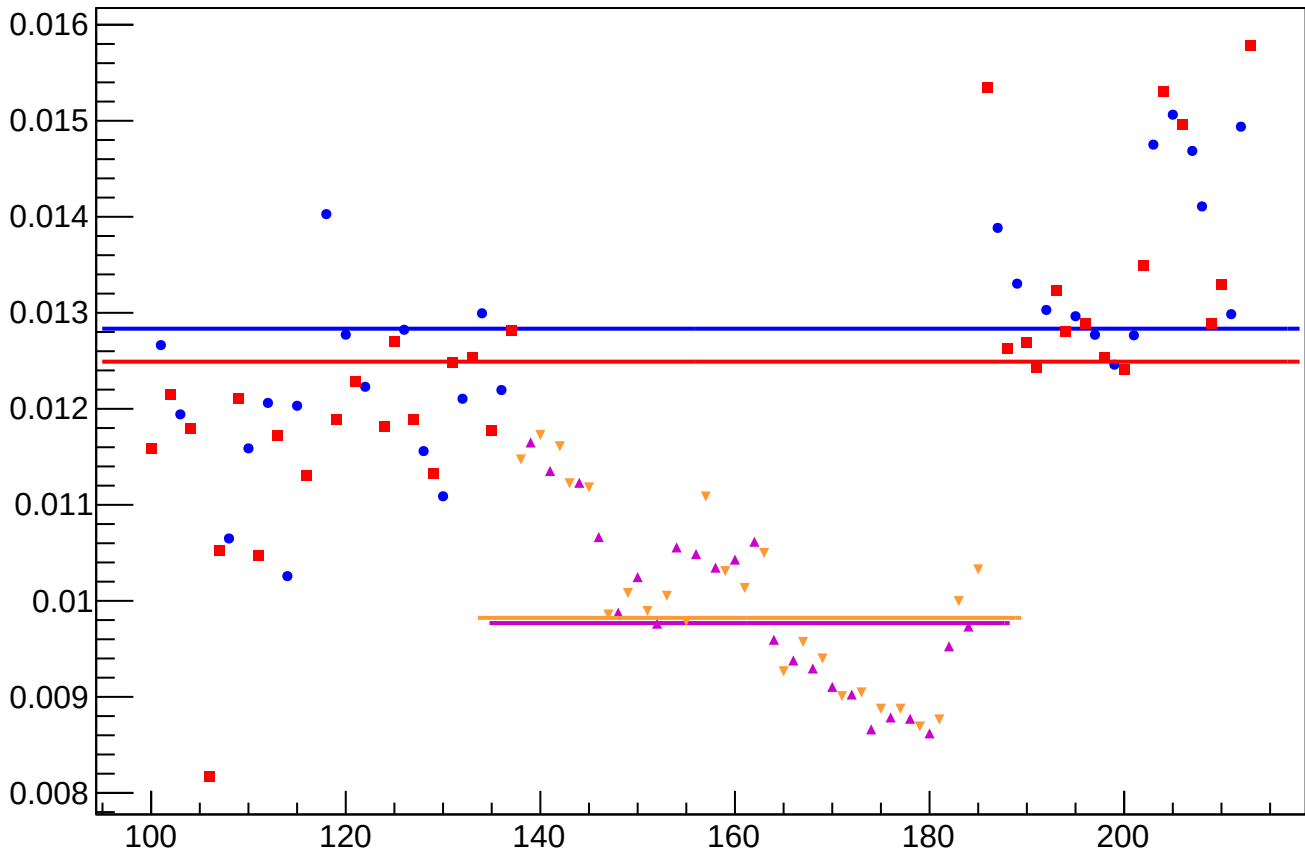
Left In: -1.035 ± 0.000 χ^2/NDF : 3925761523.9/22

+ sign -1.030 ± 0.000 χ^2/NDF : 11134651548.2/53

All: -1.026 ± 0.000 χ^2/NDF : 20223625849.9

- sign -1.022 ± 0.000 χ^2/NDF : 9078388490.0/56

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 262242.4/28

Left Out: 0.010+/-0.000 χ^2/NDF : 293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF : 490353.0/33

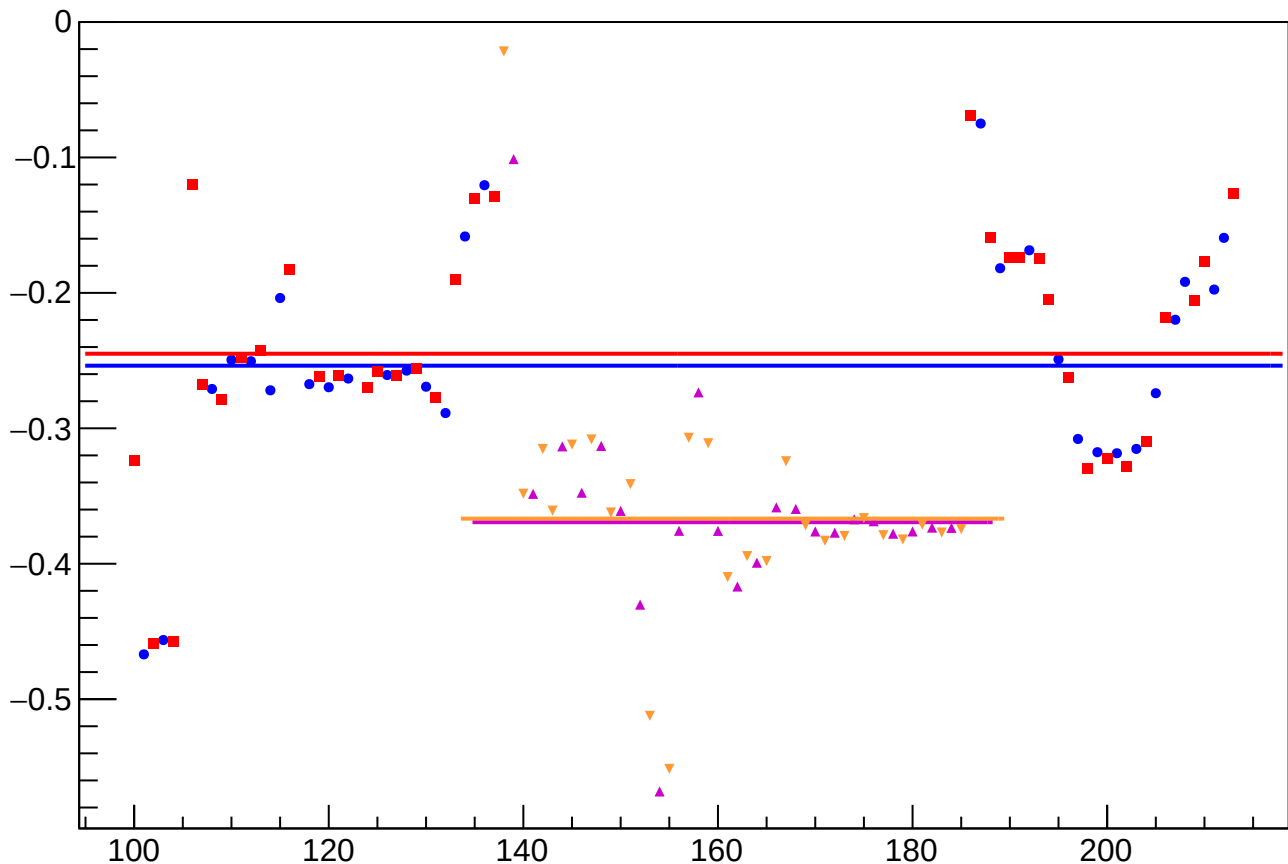
Left In: 0.010+/-0.000 χ^2/NDF : 281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF : 1758013.0/53

All: 0.011+/-0.000 χ^2/NDF : 3588339.3/110

- sign 0.011+/-0.000 χ^2/NDF : 1829895.2/56

yield_bpm0l10Y_mean vs Slug



Right In: -0.254+/-0.000 χ^2/NDF : 8829881150.9/28

Left Out: -0.367+/-0.000 χ^2/NDF : 11945266102.2/24

Right Out: -0.245+/-0.000 χ^2/NDF : 9551137922.5/33

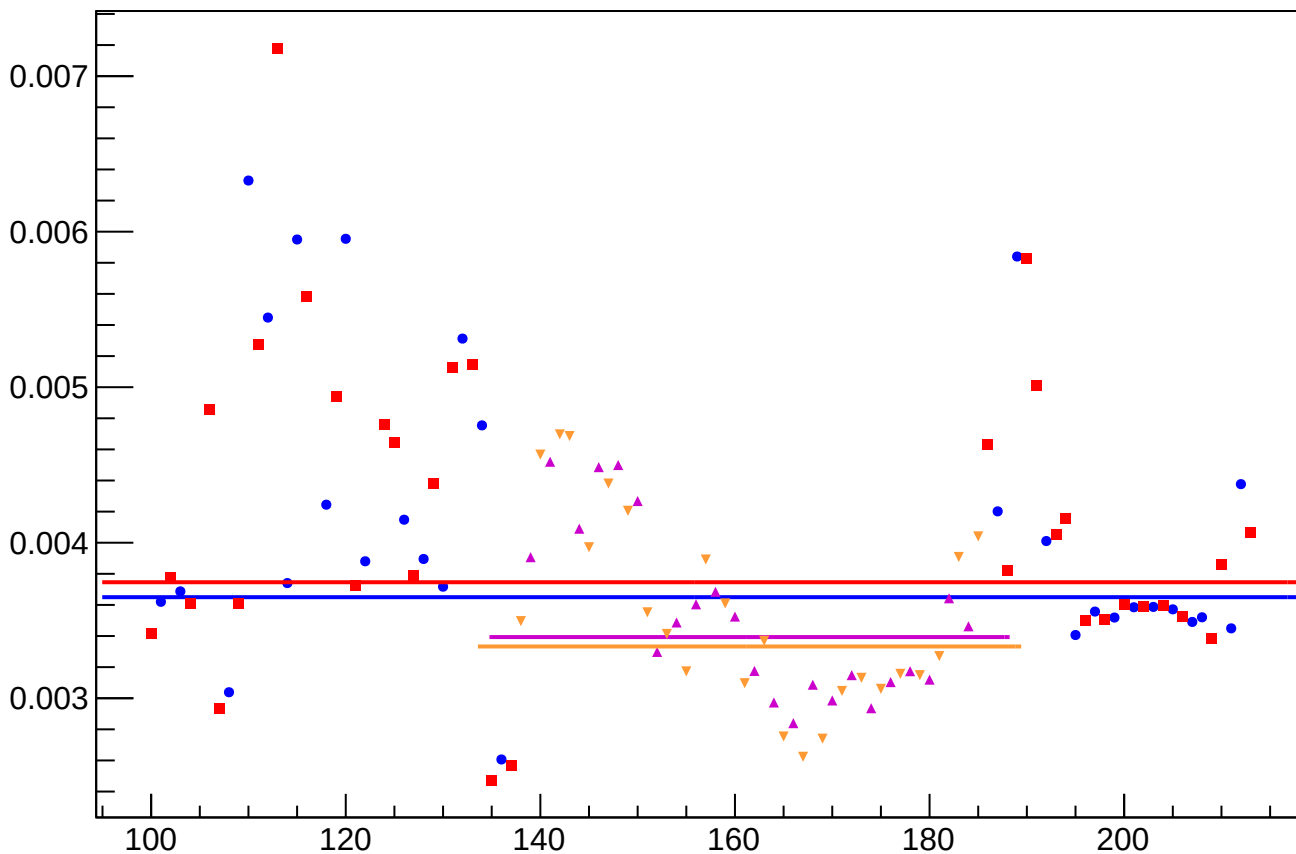
Left In: -0.369+/-0.000 χ^2/NDF : 7581323027.3/22

+ sign -0.319+/-0.000 χ^2/NDF : 29332032858.3/53

All: -0.316+/-0.000 χ^2/NDF : 56707649702.5/100

- sign -0.312+/-0.000 χ^2/NDF : 27322648571.7/56

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 957032.1/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:857705.2/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1122334.5/33

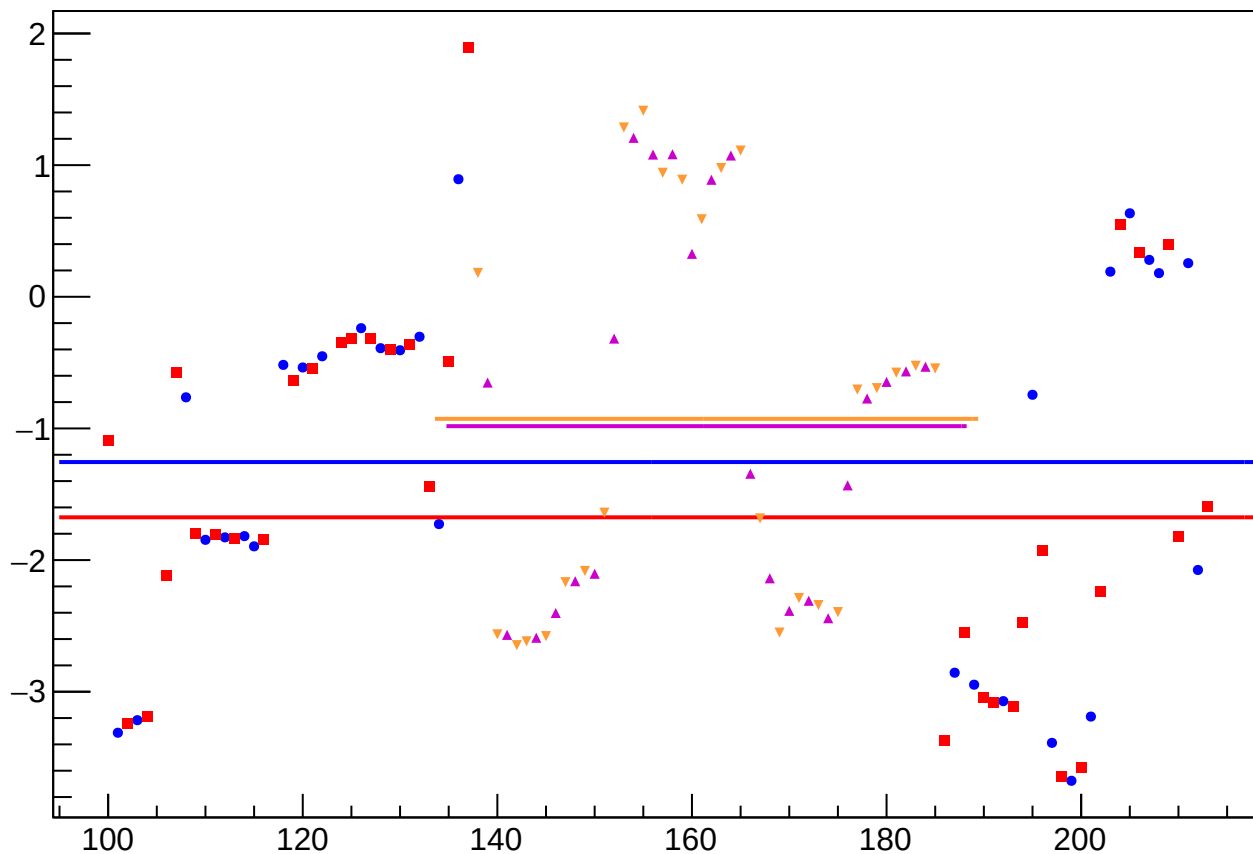
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:633604.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1949608.5/53

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3889636.6/110

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1919590.0/56

yield_bpm0r03X_mean vs Slug



Right In: -1.255+/-0.000 χ^2/NDF : 6983357676.2/28

Left Out: -0.927+/-0.000 χ^2/NDF : 7248712470.7/24

Right Out: -1.675+/-0.000 χ^2/NDF : 5991130262.1/33

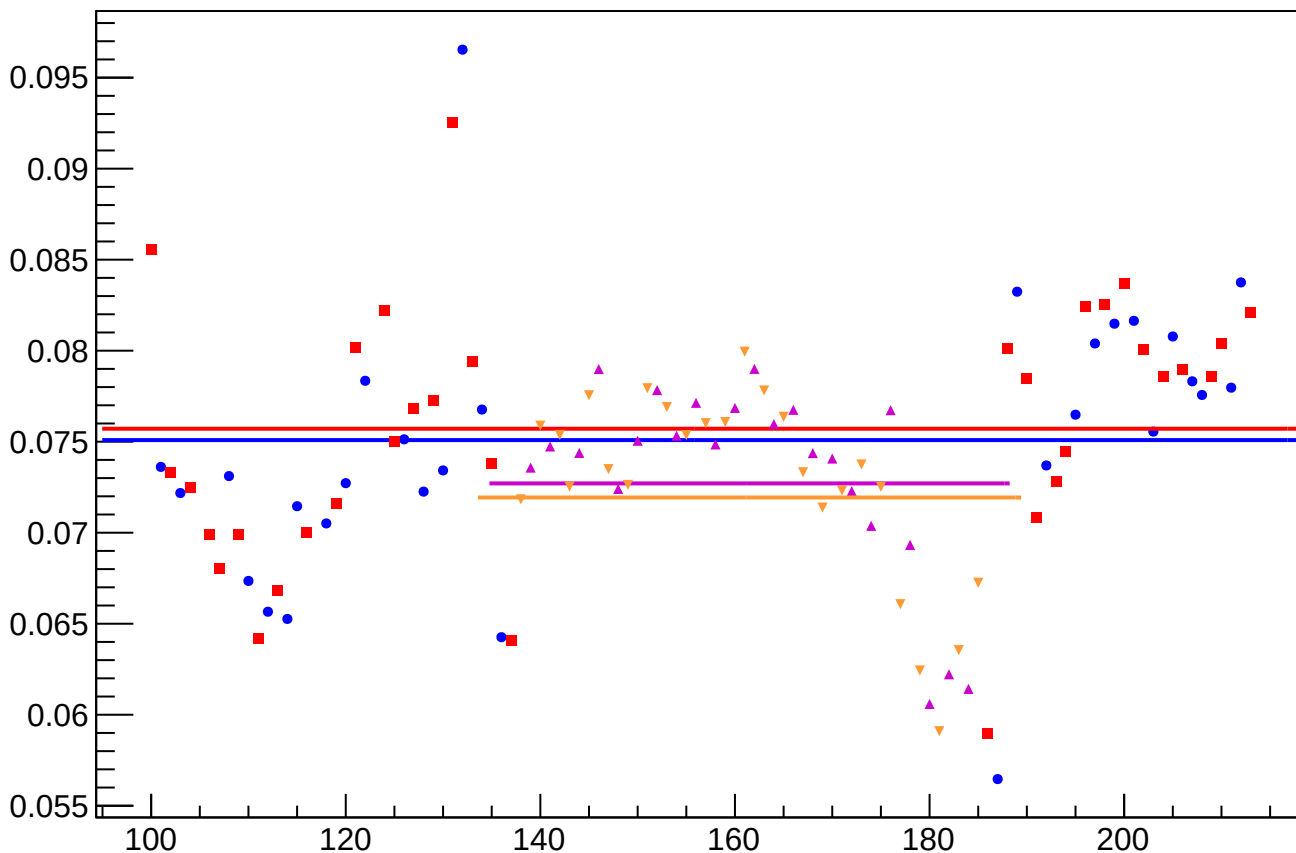
Left In: -0.983+/-0.000 χ^2/NDF : 5918975536.0/22

+ sign -1.075+/-0.000 χ^2/NDF : 14410635527.9/53

All: -1.198+/-0.000 χ^2/NDF : 27319106075.8/56

- sign -1.322+/-0.000 χ^2/NDF : 12705811470.7/56

yield_bpm0r03X_rms vs Slug



Right In: 0.075 ± 0.000 χ^2/NDF : 245428.4/28

Left Out: 0.072 ± 0.000 χ^2/NDF : 235534.6/24

Right Out: 0.076 ± 0.000 χ^2/NDF : 264830.9/33

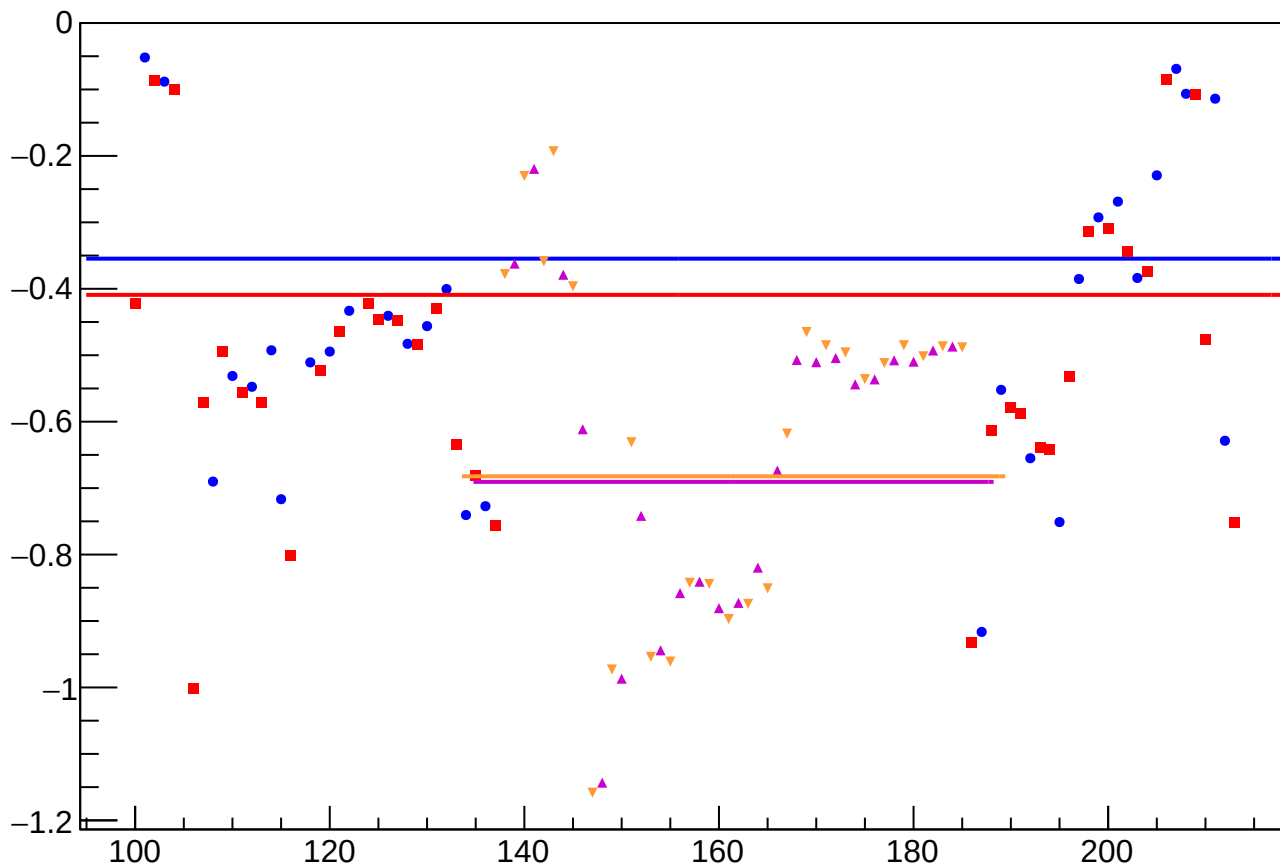
Left In: 0.073 ± 0.000 χ^2/NDF : 197009.2/22

+ sign 0.073 ± 0.000 χ^2/NDF : 513896.5/53

All: 0.074 ± 0.000 χ^2/NDF : 1010196.3/110

- sign 0.074 ± 0.000 χ^2/NDF : 491795.5/56

yield_bpm0r03Y_mean vs Slug



Right In: -0.355 ± 0.000 χ^2/NDF : 13562681696.5/28

Left Out: -0.682 ± 0.000 χ^2/NDF : 21823342960.4/24

Right Out: -0.409 ± 0.000 χ^2/NDF : 12567375318.8/33

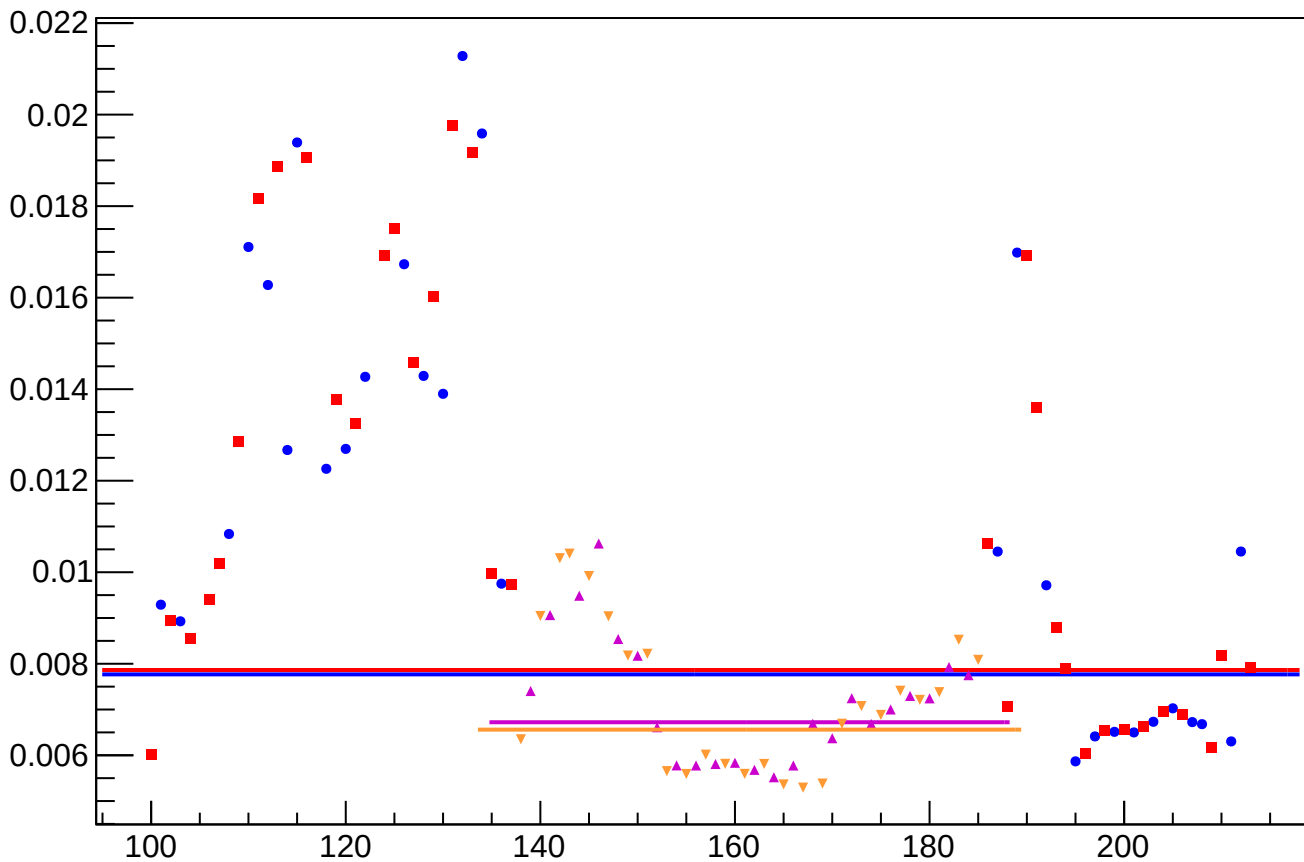
Left In: -0.691 ± 0.000 χ^2/NDF : 16867819938.3/22

+ sign -0.560 ± 0.000 χ^2/NDF : 51721225252.4/53

All: -0.568 ± 0.000 χ^2/NDF : 93184015483.1/56

- sign -0.576 ± 0.000 χ^2/NDF : 41385012607.1/56

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3181395.9/28

Left Out: 0.007+/-0.000 χ^2/NDF :1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3257165.7/33

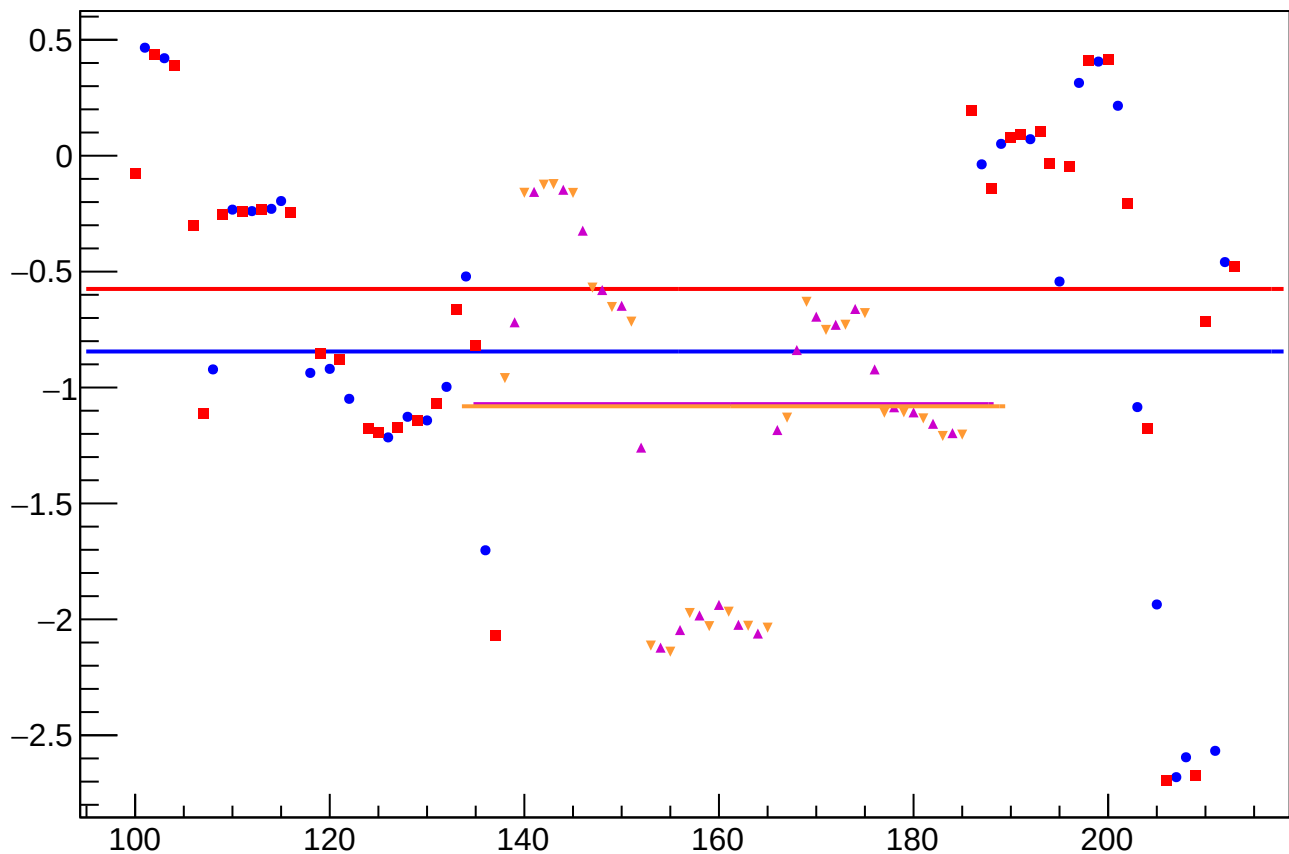
Left In: 0.007+/-0.000 χ^2/NDF :960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 5029590.5/53

All: 0.007+/-0.000 χ^2/NDF : 9660796.9/110

- sign 0.007+/-0.000 χ^2/NDF : 4611142.2/56

yield_bpm0r05X_mean vs Slug



Right In: -0.845 ± 0.000 χ^2/NDF : 1964505962.0/28

Left Out: -1.081 ± 0.000 χ^2/NDF : 1152285460.9/24

Right Out: -0.575 ± 0.000 χ^2/NDF : 1660879677.2/33

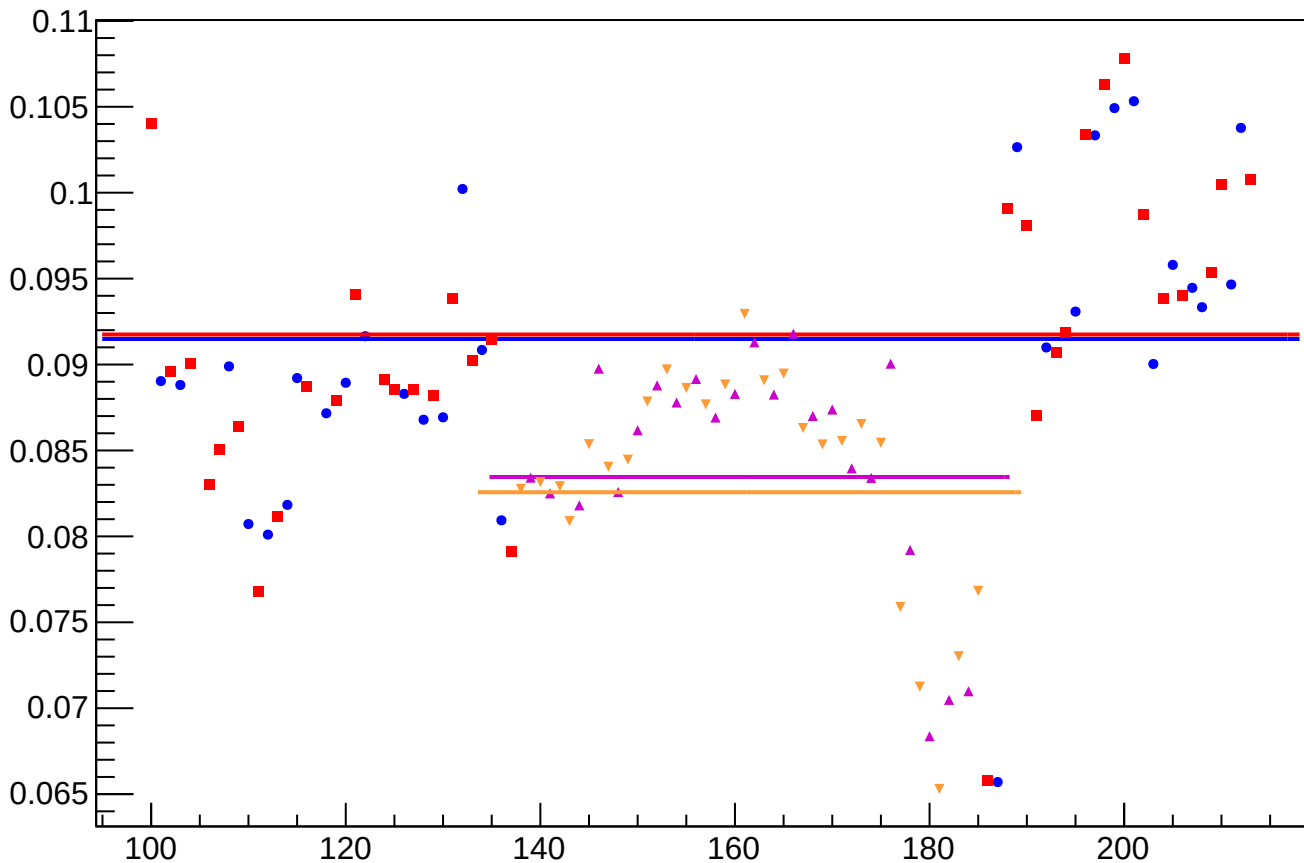
Left In: -1.072 ± 0.000 χ^2/NDF : 975623531.2/22

+ sign -0.981 ± 0.000 χ^2/NDF : 3183061054.3/53

All: -0.912 ± 0.000 χ^2/NDF : 6162762804.0/1

- sign -0.842 ± 0.000 χ^2/NDF : 2932899647.1/56

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 264962.0/28

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF: 291134.3/24

Right Out: 0.092 $\pm$ 0.000 χ^2 /NDF: 360404.1/33

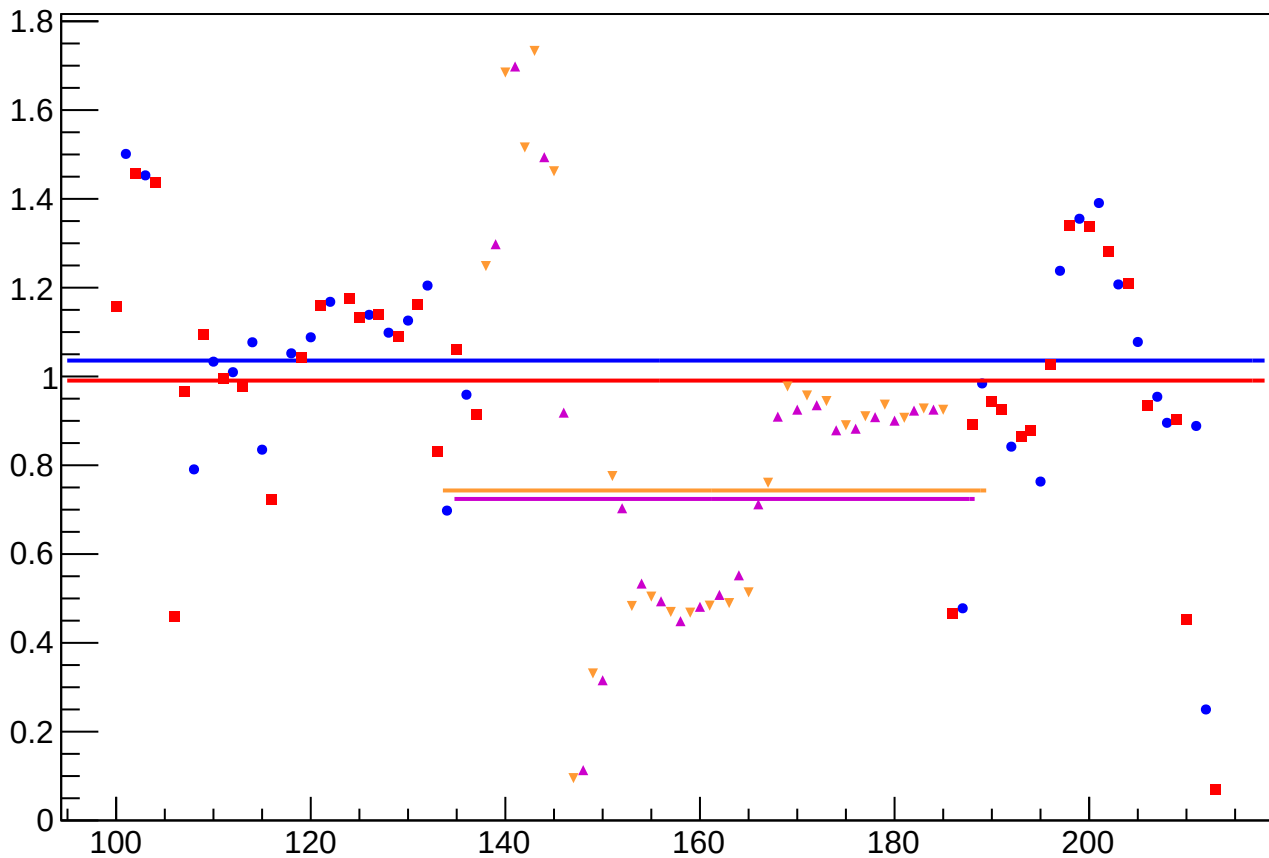
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF: 238412.3/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 744767.7/53

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1513029.5/110

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 763912.5/56

yield_bpm0r05Y_mean vs Slug



Right In: 1.036 $\pm$ 0.000 χ^2 /NDF: 8266889574.9/28

Left Out: 0.743 $\pm$ 0.000 χ^2 /NDF: 32581746516.6/24

Right Out: 0.991 $\pm$ 0.000 χ^2 /NDF: 13404597773.5/33

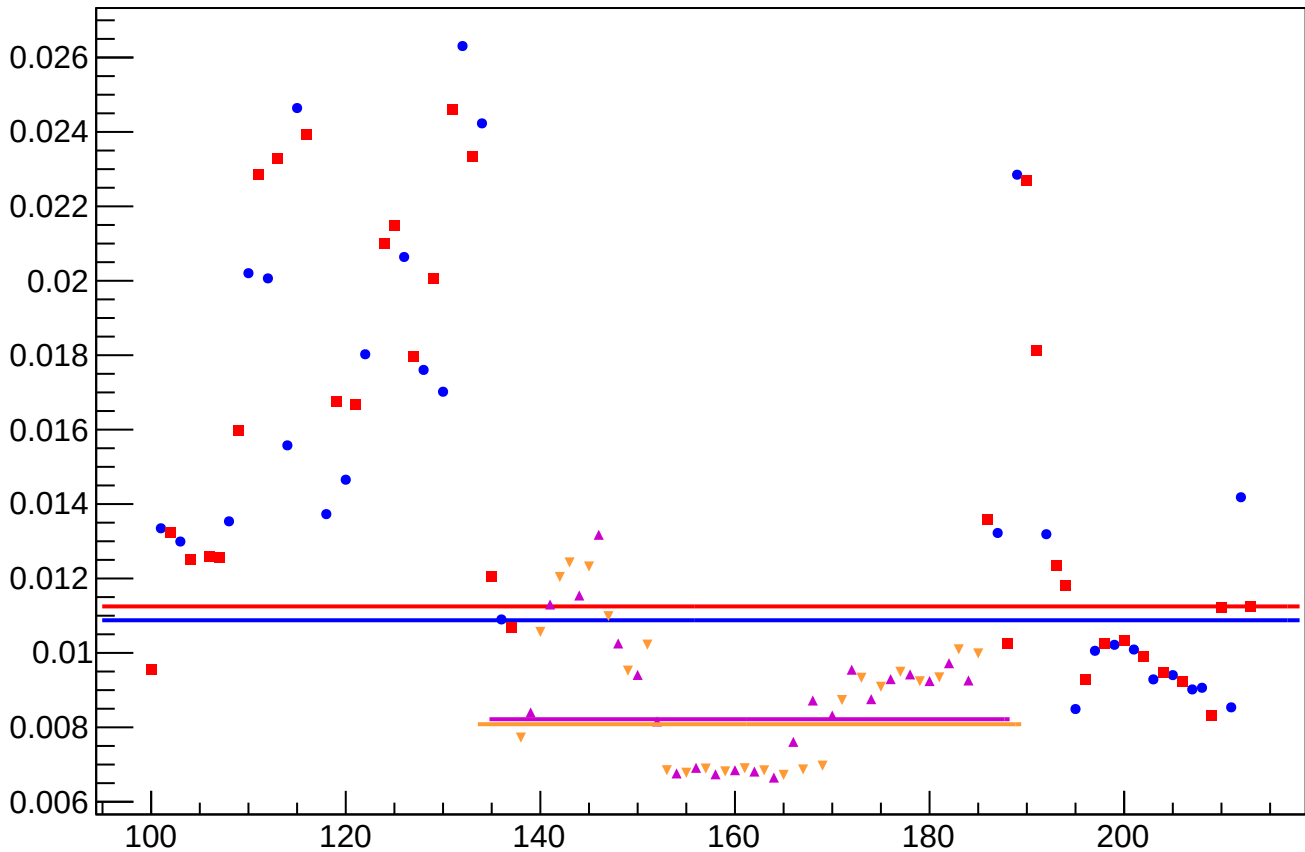
Left In: 0.724 $\pm$ 0.000 χ^2 /NDF: 25654534031.9/22

+ sign 0.837 $\pm$ 0.000 χ^2 /NDF: 48253204681.6/53

All: 0.826 $\pm$ 0.000 χ^2 /NDF: 93403928457.1/100

- sign 0.815 $\pm$ 0.000 χ^2 /NDF: 45061791179.3/56

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2394840.0/28

Left Out: 0.008+/-0.000 χ^2/NDF : 1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2456964.2/33

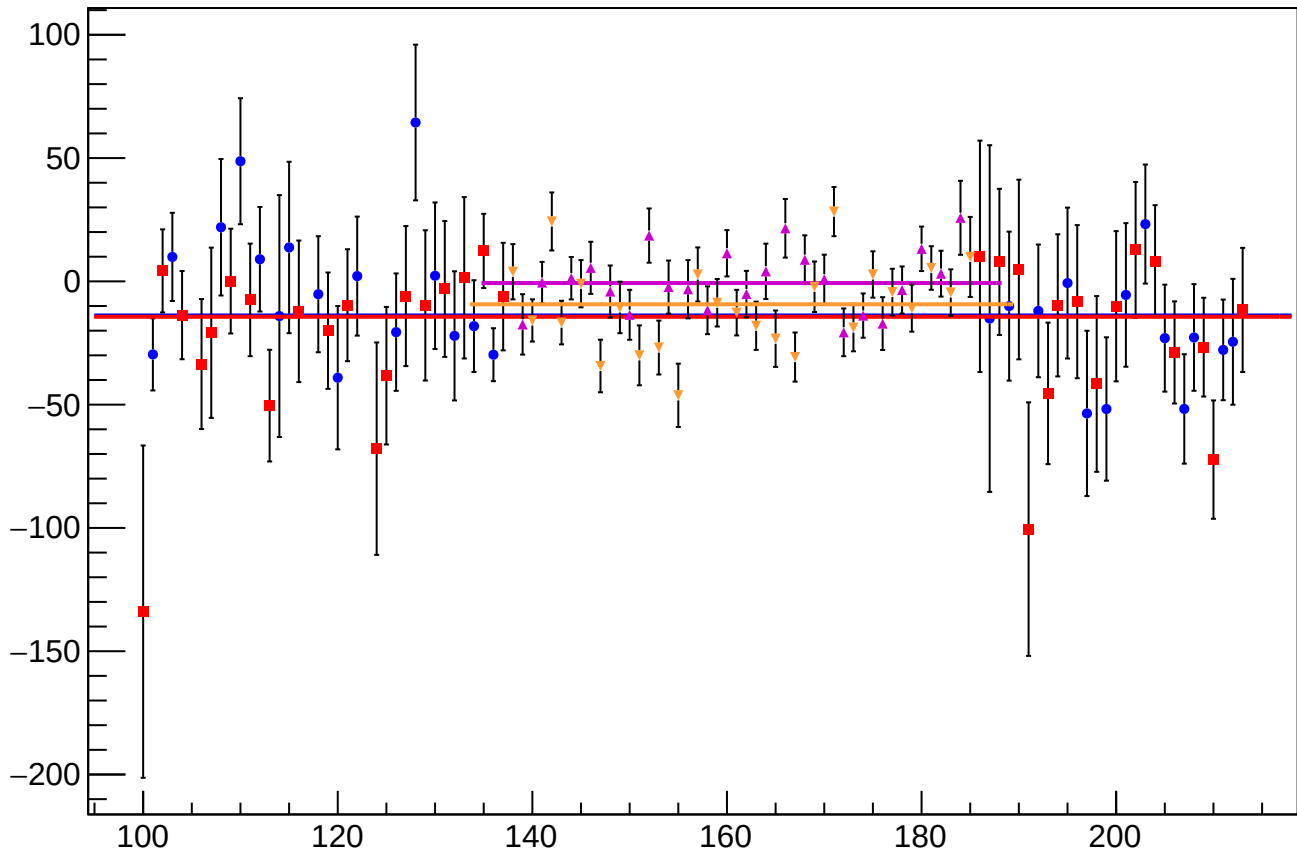
Left In: 0.008+/-0.000 χ^2/NDF : 1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF : 5150775.0/53

All: 0.009+/-0.000 χ^2/NDF : 10317288.7/110

- sign 0.009+/-0.000 χ^2/NDF : 5136739.7/56

diff_bpm4aX_mean vs Slug



Right In: -13.832 ± 4.277 χ^2/NDF : 32.2/28

Left Out: -9.292 ± 2.031 χ^2/NDF : 61.1/24

Right Out: -14.365 ± 4.363 χ^2/NDF : 28.6/33

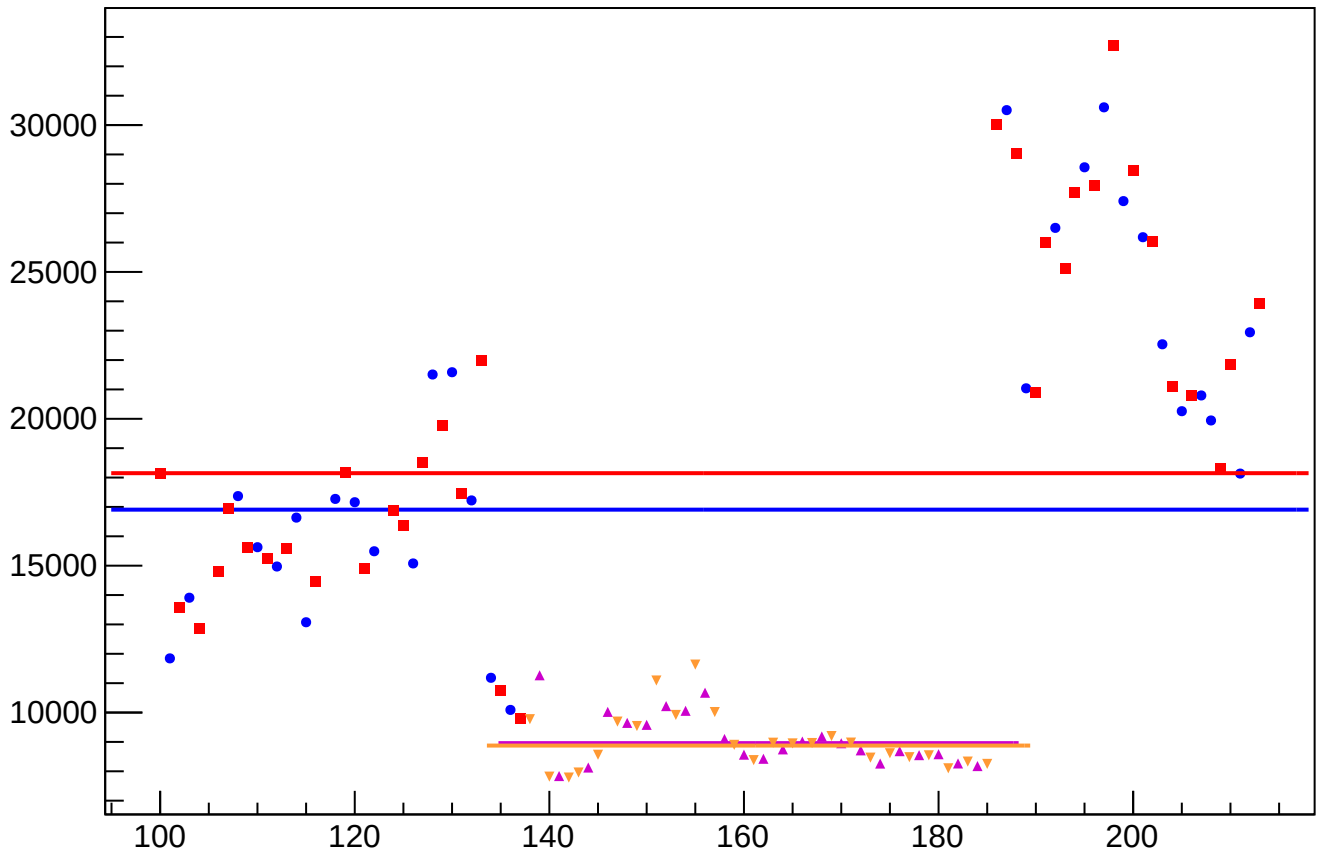
Left In: -0.676 ± 2.104 χ^2/NDF : 29.4/22

+ sign -10.127 ± 1.834 χ^2/NDF : 94.3/53

All: -6.805 ± 1.318 χ^2/NDF : 167.1/110

- sign -3.259 ± 1.895 χ^2/NDF : 66.0/56

diff_bpm4aX_rms vs Slug



Right In: 16907.170+/-3.024 χ^2/NDF : 3280366.7/28

Left Out: 8875.623+/-1.436 χ^2/NDF :346964.6/24

Right Out: 18149.026+/-3.085 χ^2/NDF : 3276265.7/33

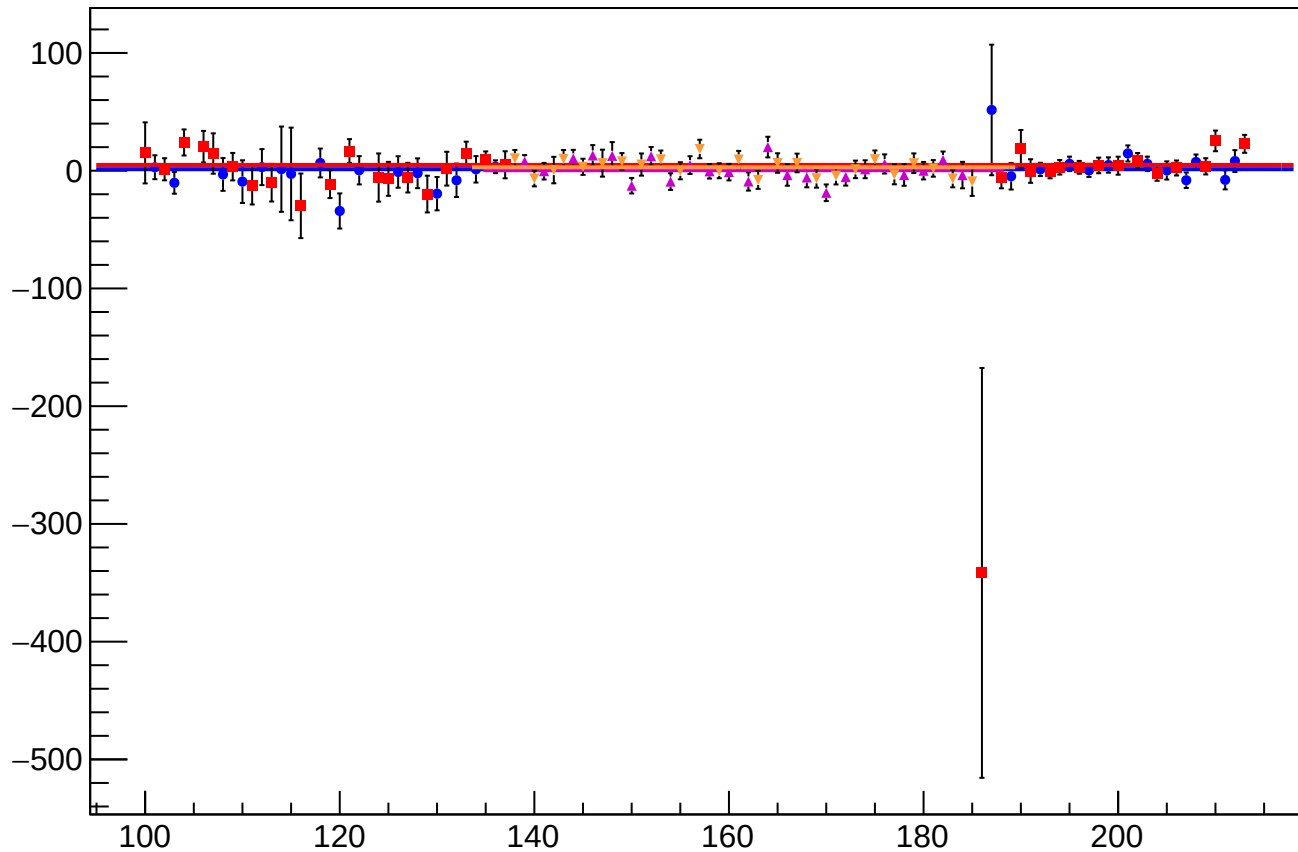
Left In: 8958.661+/-1.488 χ^2/NDF :301724.6/22

+ sign 10353.171+/-1.297 χ^2/NDF : 9383410.0/53

All: 10517.399+/-0.932 χ^2/NDF : 20193331.9

- sign 10692.730+/-1.340 χ^2/NDF : 10776775.0/56

diff_bpm4aY_mean vs Slug



Right In: 1.259 ± 1.624 χ^2/NDF : 22.0/28

Left Out: 2.879 ± 1.554 χ^2/NDF : 19.5/24

Right Out: 4.859 ± 1.573 χ^2/NDF : 37.6/33

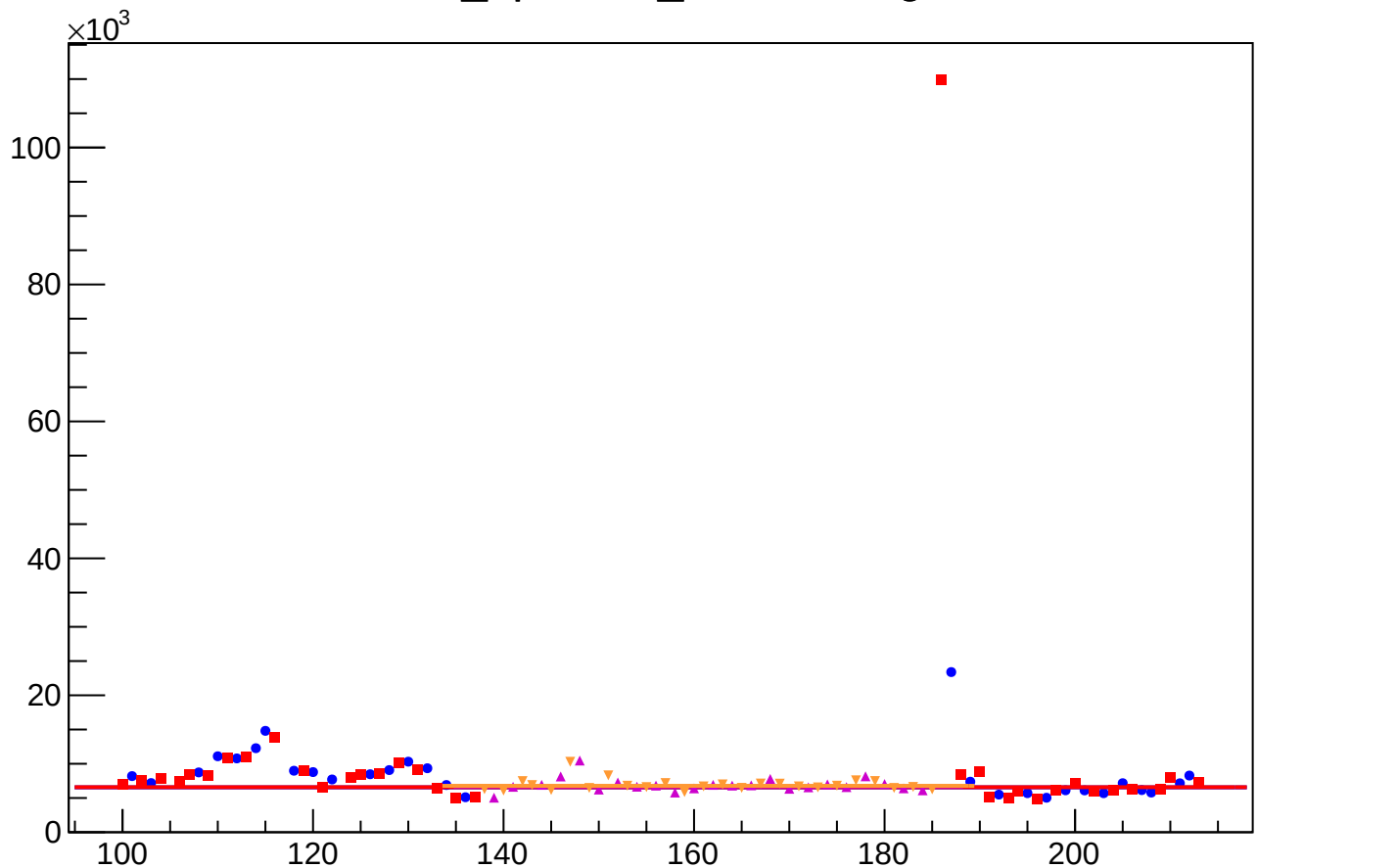
Left In: 0.456 ± 1.581 χ^2/NDF : 32.8/22

+ sign 2.105 ± 1.123 χ^2/NDF : 42.0/53

All: 2.389 ± 0.791 χ^2/NDF : 116.4/110

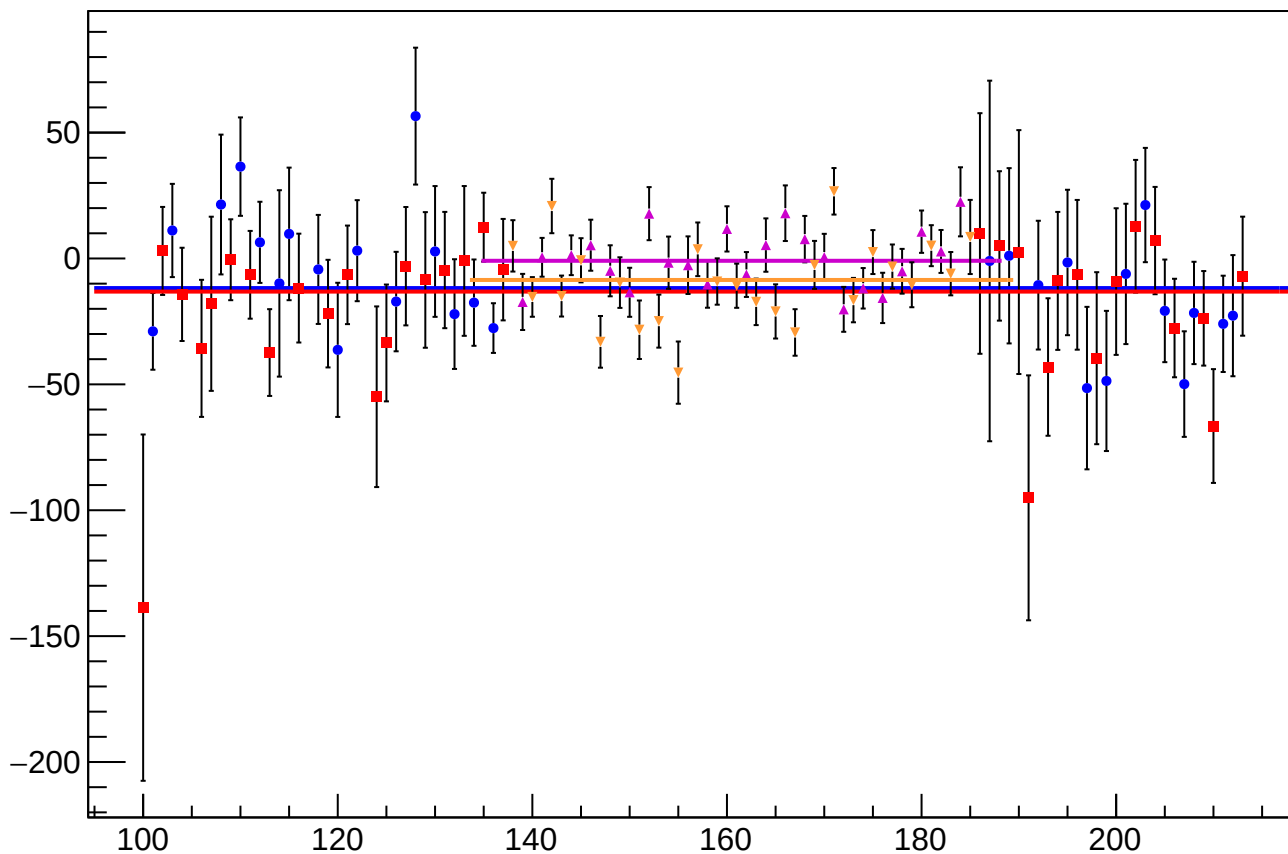
- sign 2.669 ± 1.115 χ^2/NDF : 74.3/56

diff_bpm4aY_rms vs Slug



Right In: 6552.712+/-1.148	χ^2/NDF : 1786109.8/28	+ sign 6669.671+/-0.794	χ^2/NDF : 2206147.7/53
Left Out: 6776.739+/-1.099	χ^2/NDF : 400166.7/24	All: 6651.066+/-0.559	χ^2/NDF : 5234687.3/11
Right Out: 6576.436+/-1.113	χ^2/NDF : 2402028.9/33	- sign 6632.702+/-0.789	χ^2/NDF : 3027448.1/56
Left In: 6689.550+/-1.118	χ^2/NDF : 620276.8/22		

diff_bpm4eX_mean vs Slug



Right In: -11.757 ± 3.918 χ^2/NDF : 33.6/28

Left Out: -8.536 ± 1.897 χ^2/NDF : 61.9/24

Right Out: -13.157 ± 3.959 χ^2/NDF : 28.1/33

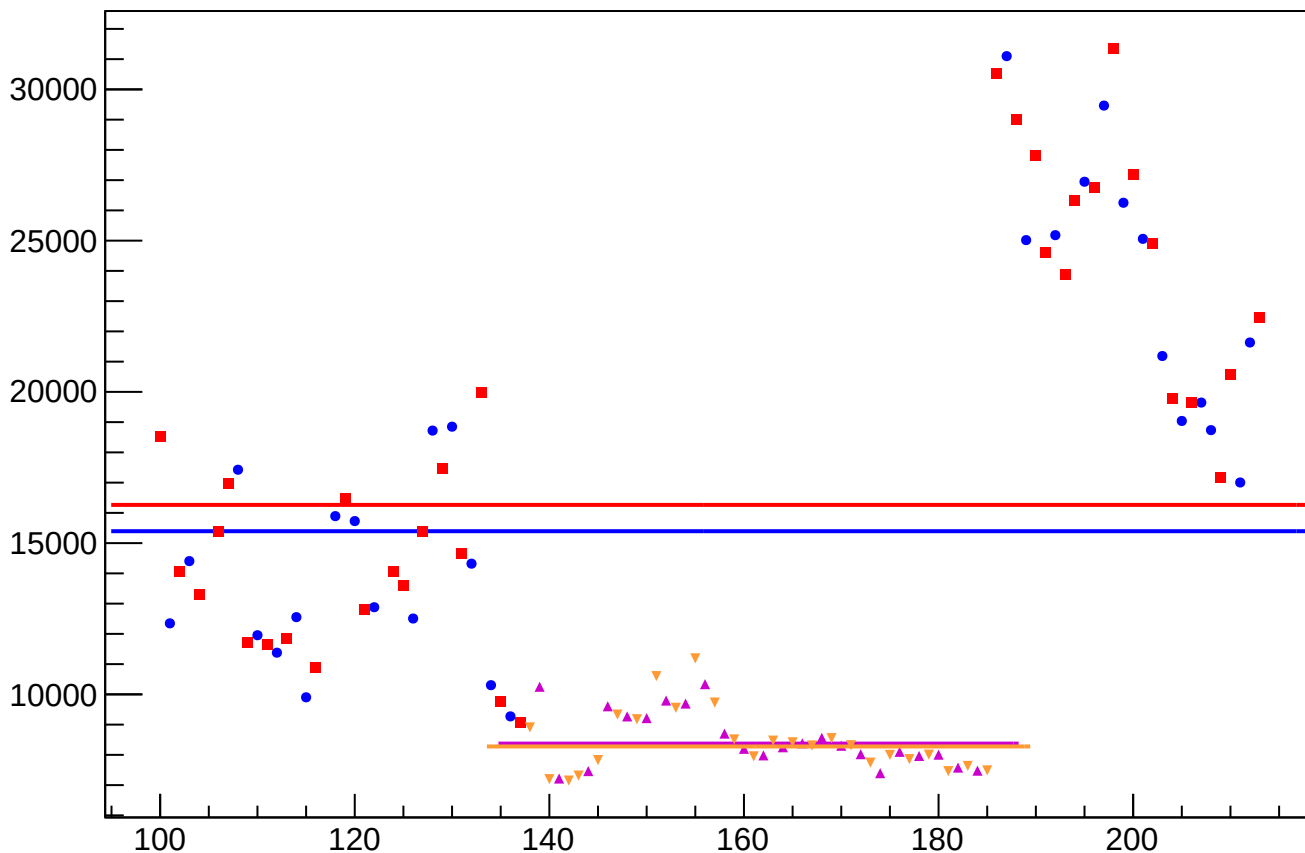
Left In: -0.919 ± 1.969 χ^2/NDF : 29.1/22

+ sign -9.148 ± 1.707 χ^2/NDF : 96.1/53

All: -6.340 ± 1.226 χ^2/NDF : 166.5/110

- sign -3.346 ± 1.763 χ^2/NDF : 64.8/56

diff_bpm4eX_rms vs Slug



Right In: 15394.477+/-2.770 χ^2/NDF : 3739028.6/28

Left Out: 8277.768+/-1.341 χ^2/NDF : 455108.5/24

Right Out: 16263.863+/-2.800 χ^2/NDF : 4104163.6/33

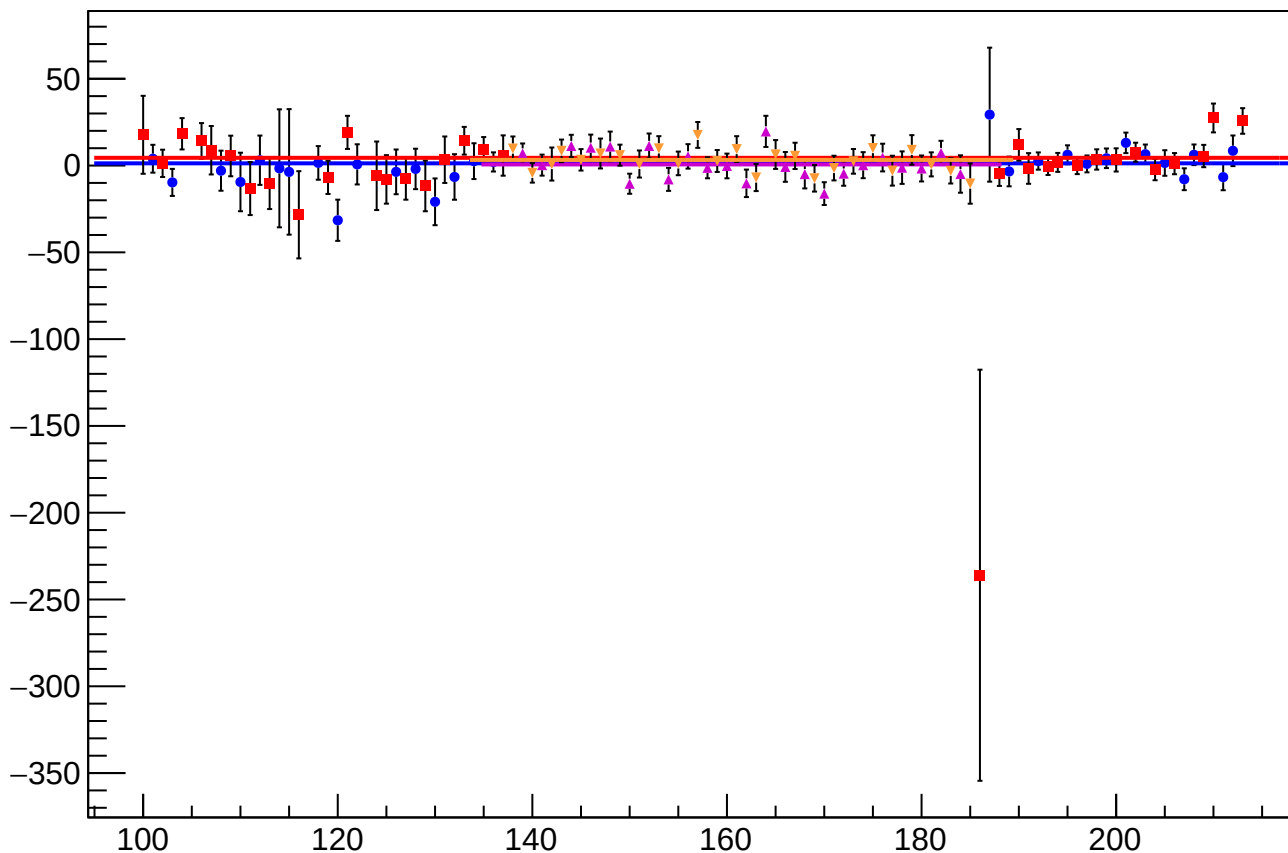
Left In: 8372.363+/-1.392 χ^2/NDF : 392872.1/22

+ sign 9628.953+/-1.207 χ^2/NDF : 9540355.1/53

All: 9778.034+/-0.867 χ^2/NDF : 20439196.4/100

- sign 9937.022+/-1.247 χ^2/NDF : 10867322.8/56

diff_bpm4eY_mean vs Slug



Right In: 1.277 ± 1.463 χ^2/NDF : 25.1/28

Left Out: 3.255 ± 1.457 χ^2/NDF : 17.6/24

Right Out: 4.460 ± 1.401 χ^2/NDF : 43.7/33

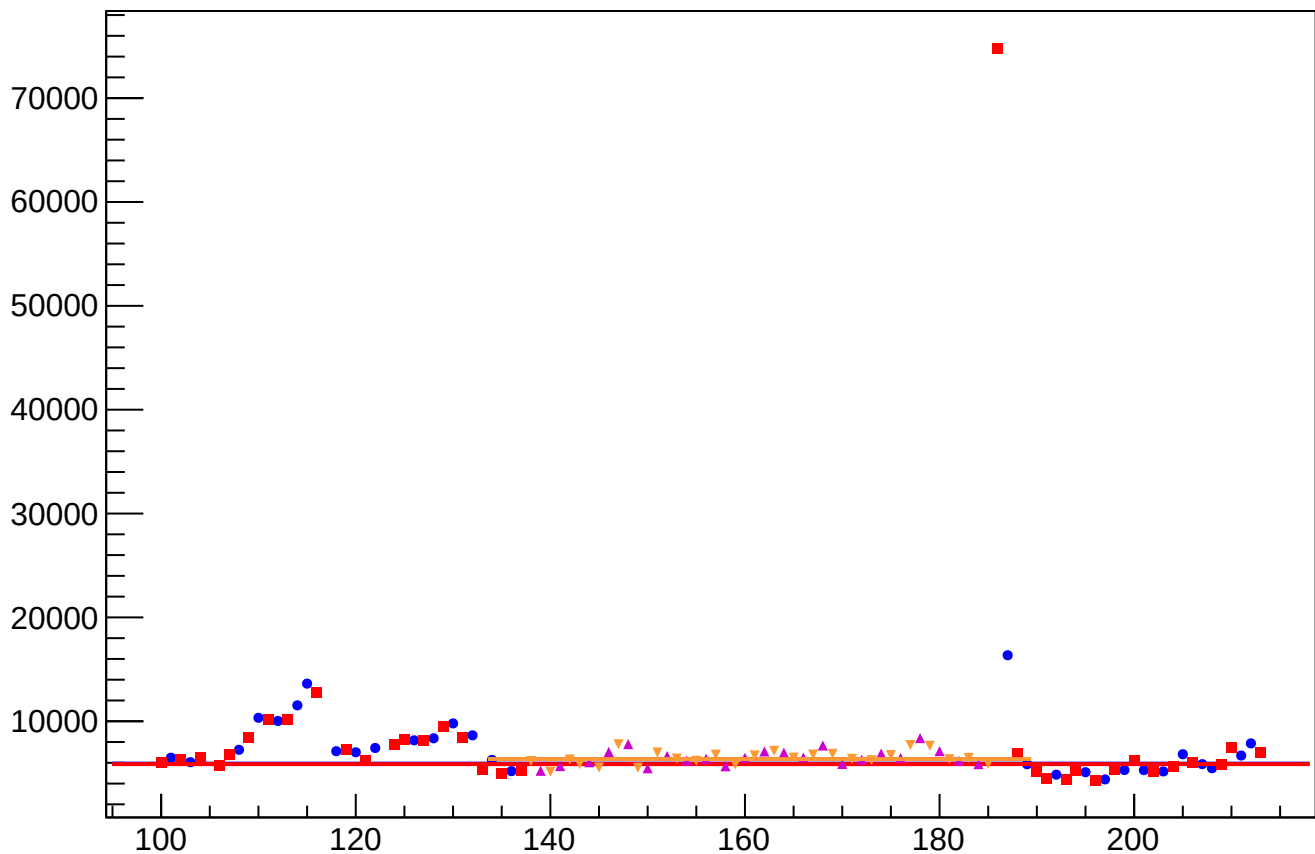
Left In: 0.645 ± 1.499 χ^2/NDF : 30.8/22

+ sign 2.270 ± 1.033 χ^2/NDF : 43.6/53

All: 2.478 ± 0.727 χ^2/NDF : 121.6/110

- sign 2.682 ± 1.024 χ^2/NDF : 77.9/56

diff_bpm4eY_rms vs Slug



Right In: 5917.344+/-1.035 χ^2/NDF : 1726691.8/28

Left Out: 6357.608+/-1.030 χ^2/NDF : 414119.5/24

Right Out: 5871.402+/-0.991 χ^2/NDF : 2428752.4/33

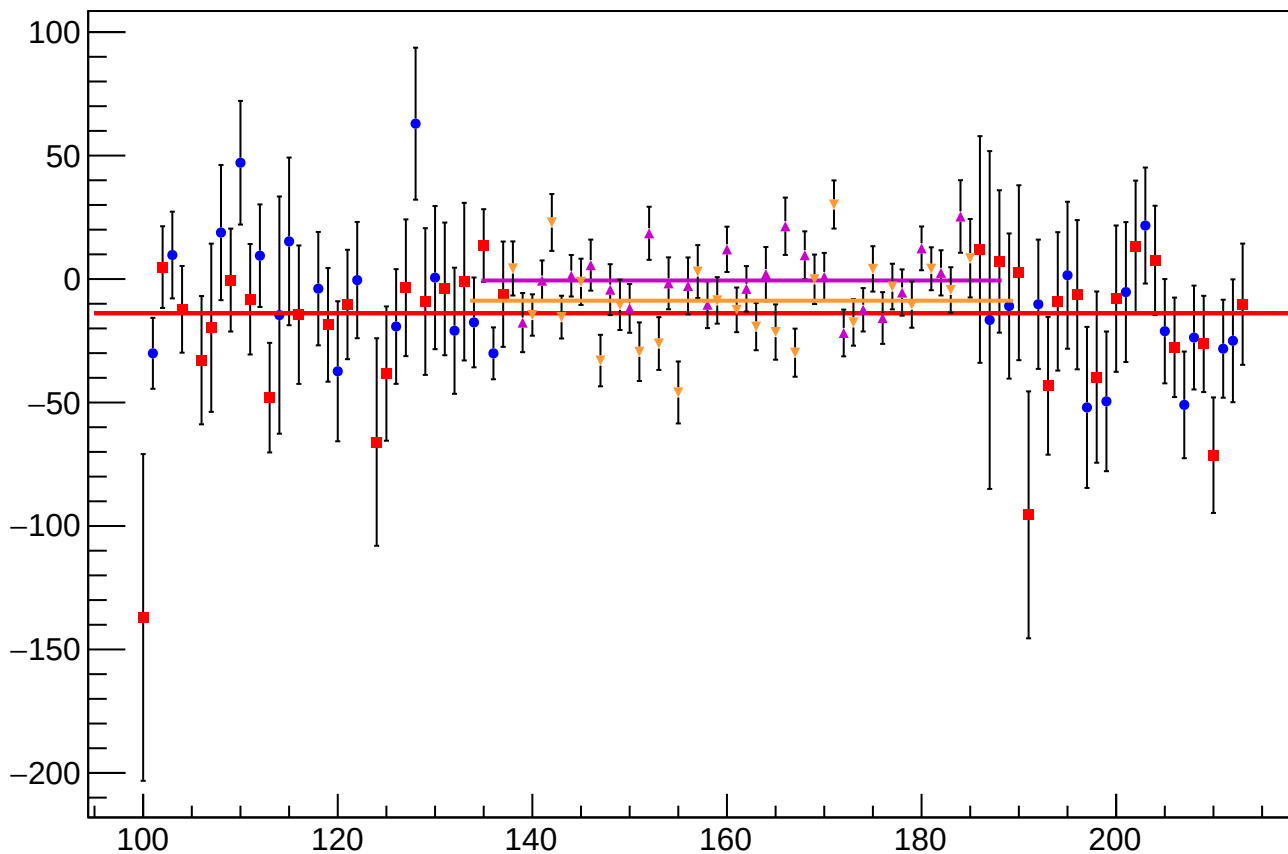
Left In: 6359.907+/-1.060 χ^2/NDF : 473875.4/22

+ sign 6138.413+/-0.730 χ^2/NDF : 2231709.8/53

All: 6118.628+/-0.514 χ^2/NDF : 5249122.7/11

- sign 6099.180+/-0.724 χ^2/NDF : 3015956.9/56

diff_bpm4acX_mean vs Slug



Right In: -13.881 ± 4.177 χ^2/NDF : 32.3/28

Left Out: -8.767 ± 1.987 χ^2/NDF : 62.7/24

Right Out: -13.778 ± 4.262 χ^2/NDF : 29.1/33

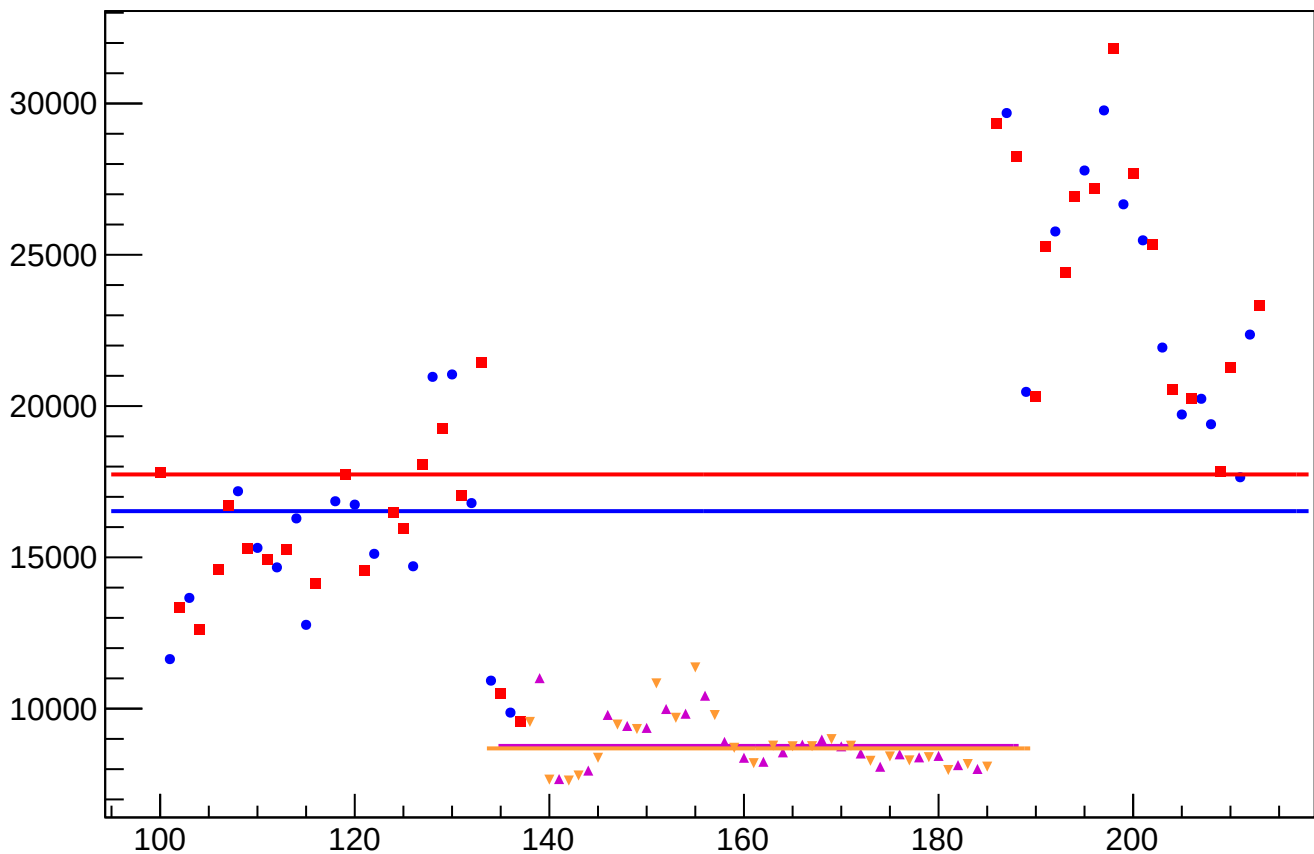
Left In: -0.579 ± 2.059 χ^2/NDF : 29.6/22

+ sign -9.710 ± 1.794 χ^2/NDF : 96.2/53

All: -6.502 ± 1.289 χ^2/NDF : 169.2/110

- sign -3.077 ± 1.854 χ^2/NDF : 66.4/56

diff_bpm4acX_rms vs Slug



Right In: 16527.515 $\pm$ 2.954 χ^2 /NDF: 3232074.1/28

+ sign 10132.839 $\pm$ 1.269 χ^2 /NDF: 9319810.7/53

Left Out: 8686.048 $\pm$ 1.405 χ^2 /NDF:340655.6/24

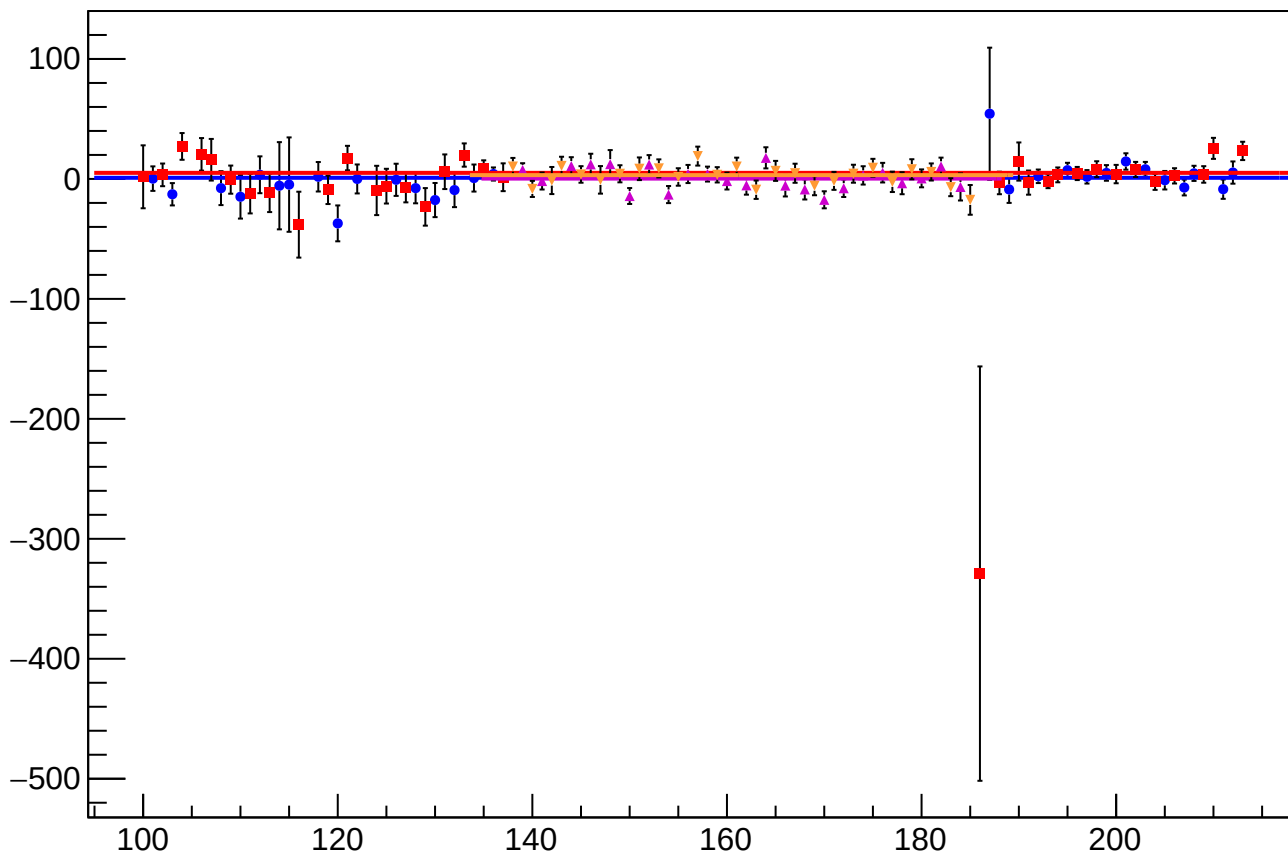
Right Out: 17740.537 $\pm$ 3.014 χ^2 /NDF: 3224023.2/33

All: 10293.901 $\pm$ 0.912 χ^2 /NDF: 20060178.9

- sign 10465.862 $\pm$ 1.311 χ^2 /NDF: 10707049.4/56

Left In: 8767.705 $\pm$ 1.456 χ^2 /NDF:295552.8/22

diff_bpm4acY_mean vs Slug



Right In: 0.950 ± 1.628 χ^2/NDF : 24.9/28

Left Out: 3.171 ± 1.562 χ^2/NDF : 21.7/24

Right Out: 5.065 ± 1.578 χ^2/NDF : 41.6/33

Left In: 0.269 ± 1.590 χ^2/NDF : 34.2/22

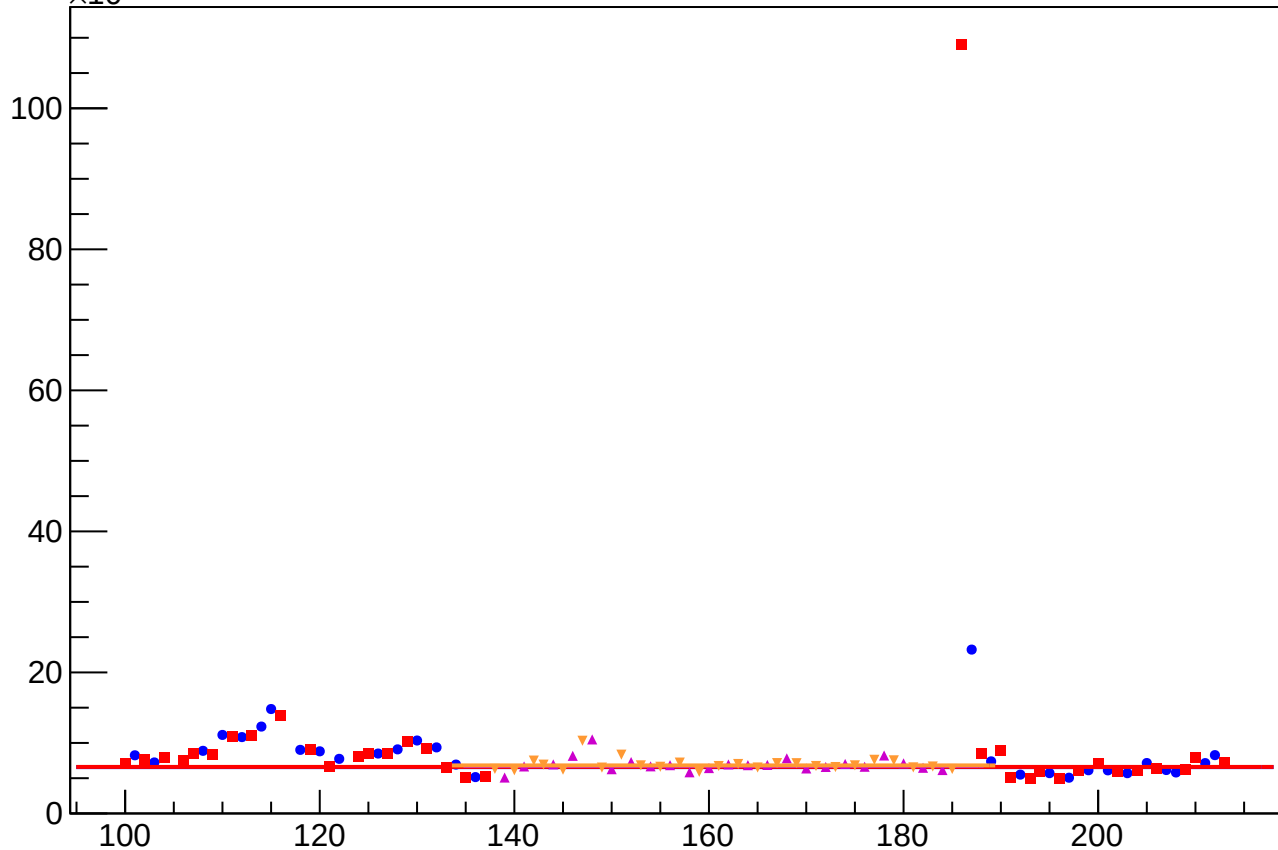
+ sign 2.107 ± 1.127 χ^2/NDF : 47.6/53

All: 2.398 ± 0.795 χ^2/NDF : 128.1/110

- sign 2.685 ± 1.120 χ^2/NDF : 80.4/56

diff_bpm4acY_rms vs Slug

$\times 10^3$



Right In: 6572.111 $\pm$ 1.151 χ^2 /NDF: 1781831.0/28

Left Out: 6812.964 $\pm$ 1.104 χ^2 /NDF: 394620.8/24

Right Out: 6599.250 $\pm$ 1.116 χ^2 /NDF: 2394589.5/33

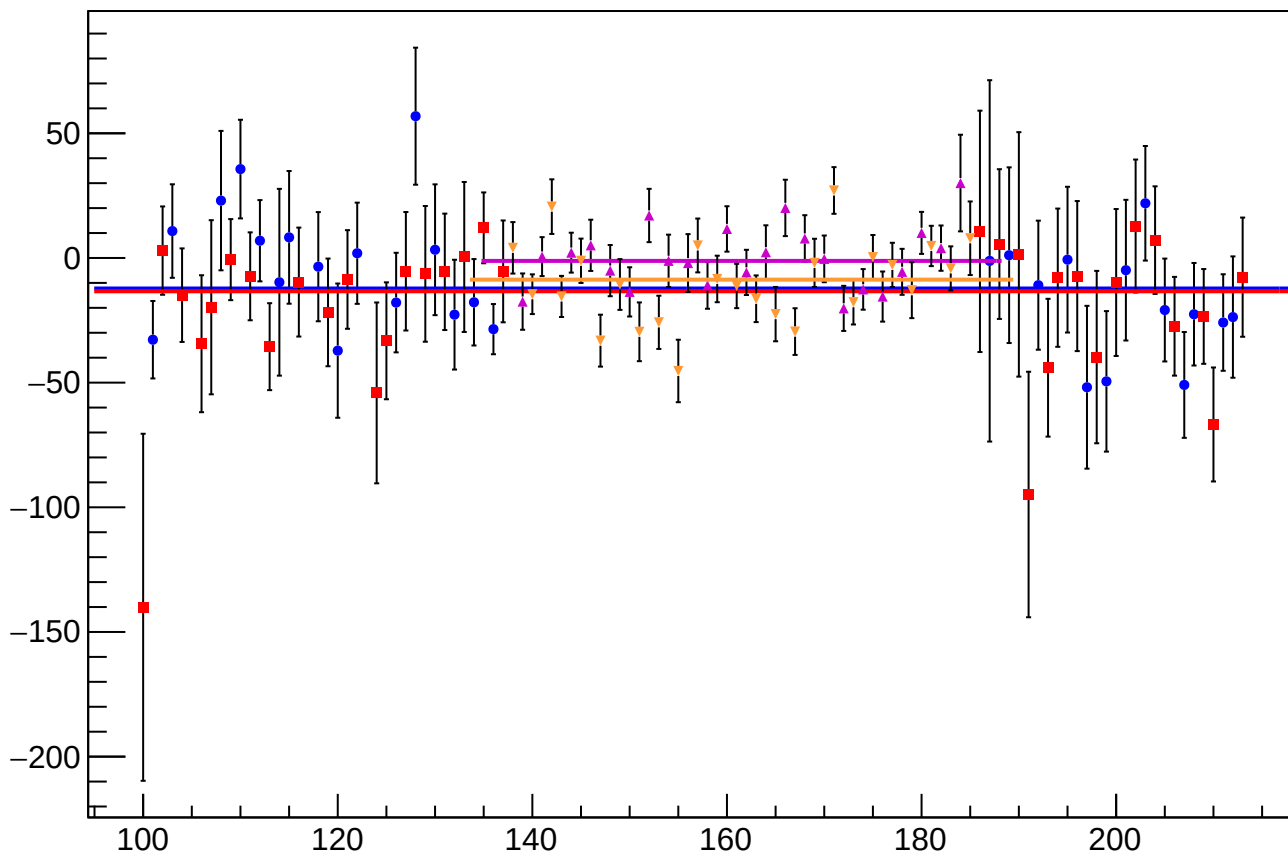
Left In: 6727.864 $\pm$ 1.124 χ^2 /NDF: 610037.3/22

+ sign 6697.562 $\pm$ 0.797 χ^2 /NDF: 2199240.9/53

All: 6680.212 $\pm$ 0.562 χ^2 /NDF: 5211400.2/11

- sign 6663.075 $\pm$ 0.792 χ^2 /NDF: 3011217.4/56

diff_bpm4ecX_mean vs Slug



Right In: -12.245 $\pm$ 3.970 χ^2 /NDF: 34.2/28

Left Out: -8.692 $\pm$ 1.936 χ^2 /NDF: 61.4/24

Right Out: -13.362 $\pm$ 4.014 χ^2 /NDF: 26.8/33

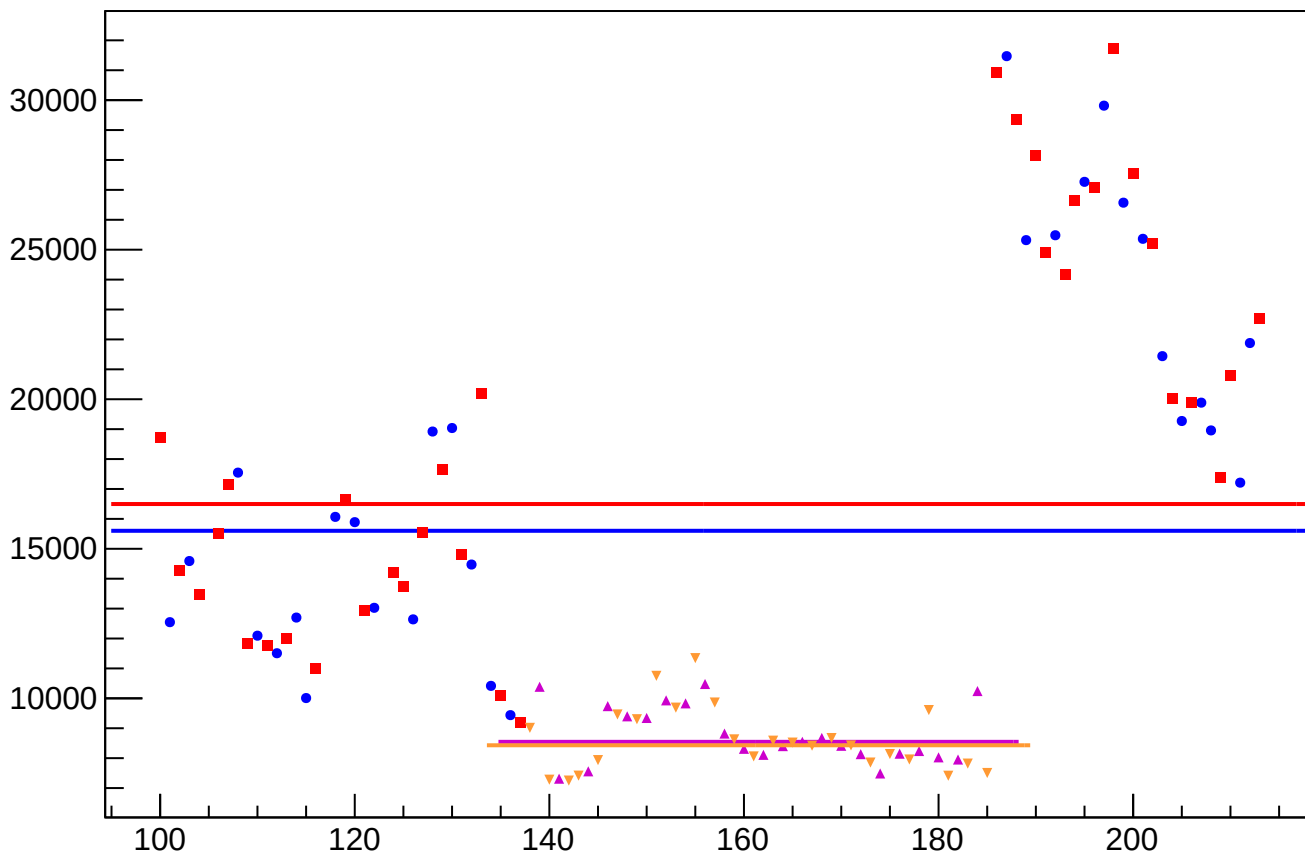
Left In: -1.174 $\pm$ 2.012 χ^2 /NDF: 28.6/22

+ sign -9.375 $\pm$ 1.740 χ^2 /NDF: 96.3/53

All: -6.594 $\pm$ 1.251 χ^2 /NDF: 164.2/110

- sign -3.622 $\pm$ 1.799 χ^2 /NDF: 62.7/56

diff_bpm4ecX_rms vs Slug



Right In: 15601.646 $\pm$ 2.807 χ^2 /NDF: 3711329.4/28

Left Out: 8430.683 $\pm$ 1.369 χ^2 /NDF: 484653.2/24

Right Out: 16496.560 $\pm$ 2.838 χ^2 /NDF: 4056720.5/33

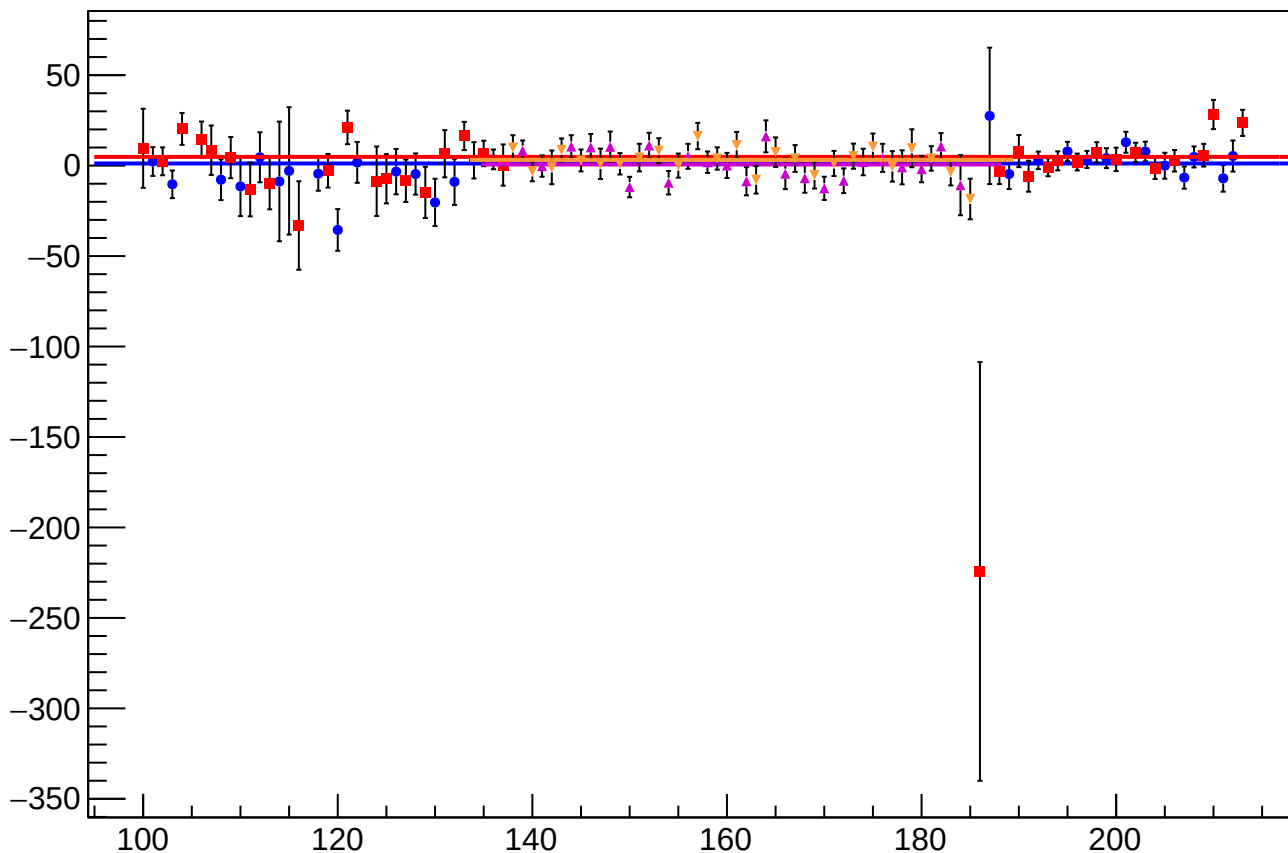
Left In: 8545.534 $\pm$ 1.423 χ^2 /NDF: 389747.0/22

+ sign 9808.706 $\pm$ 1.231 χ^2 /NDF: 9468085.6/53

All: 9970.156 $\pm$ 0.884 χ^2 /NDF: 20221833.3/100

- sign 10142.688 $\pm$ 1.272 χ^2 /NDF: 10718136.2/56

diff_bpm4ecY_mean vs Slug



Right In: 1.182 ± 1.428 χ^2/NDF : 30.4/28

Left Out: 3.185 ± 1.435 χ^2/NDF : 18.7/24

Right Out: 4.822 ± 1.366 χ^2/NDF : 45.4/33

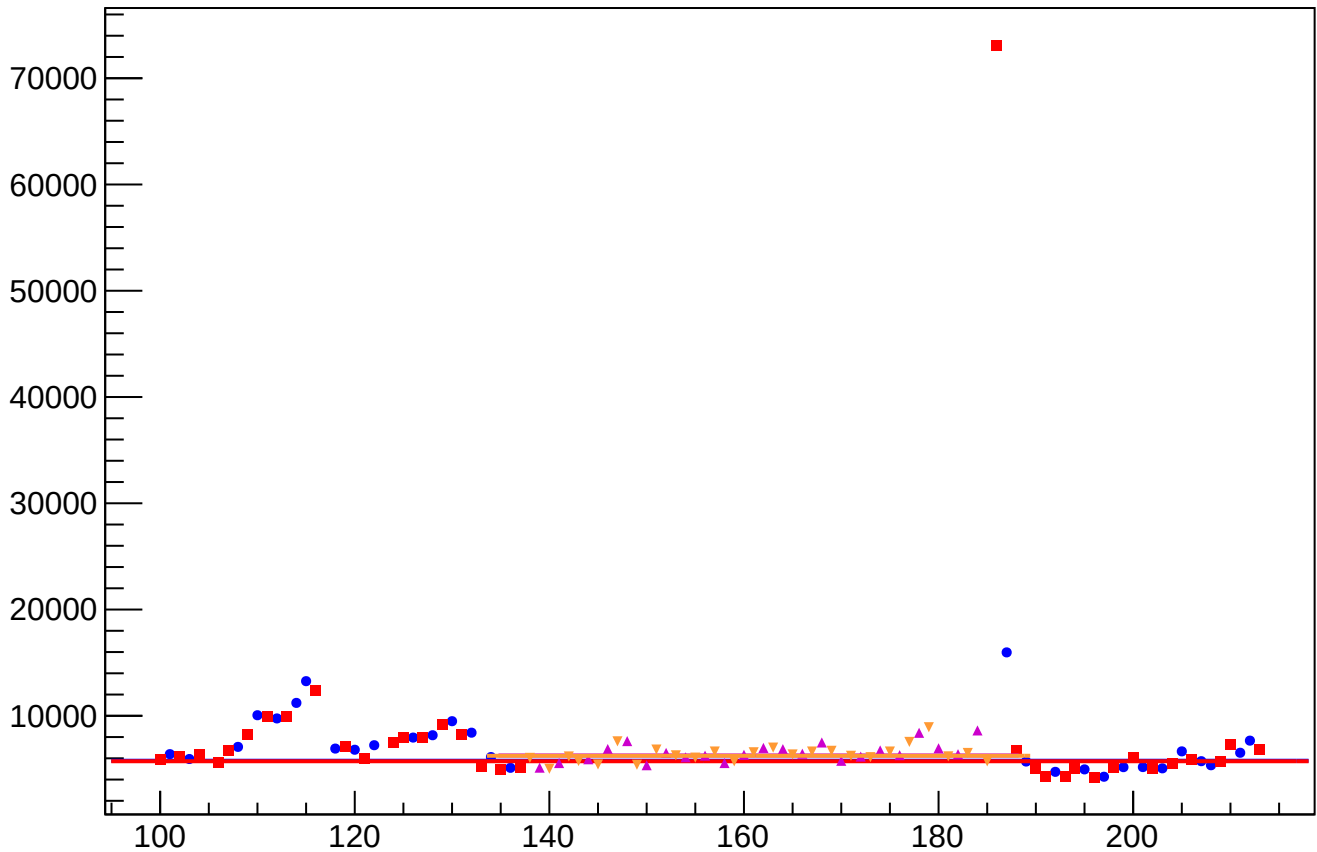
Left In: 0.633 ± 1.482 χ^2/NDF : 31.8/22

+ sign 2.178 ± 1.012 χ^2/NDF : 50.1/53

All: 2.540 ± 0.713 χ^2/NDF : 131.8/110

- sign 2.897 ± 1.004 χ^2/NDF : 81.5/56

diff_bpm4ecY_rms vs Slug



Right In: 5771.654+/-1.010 χ^2/NDF : 1725328.8/28

Left Out: 6237.931+/-1.015 χ^2/NDF : 507726.8/24

Right Out: 5724.135+/-0.966 χ^2/NDF : 2411092.6/33

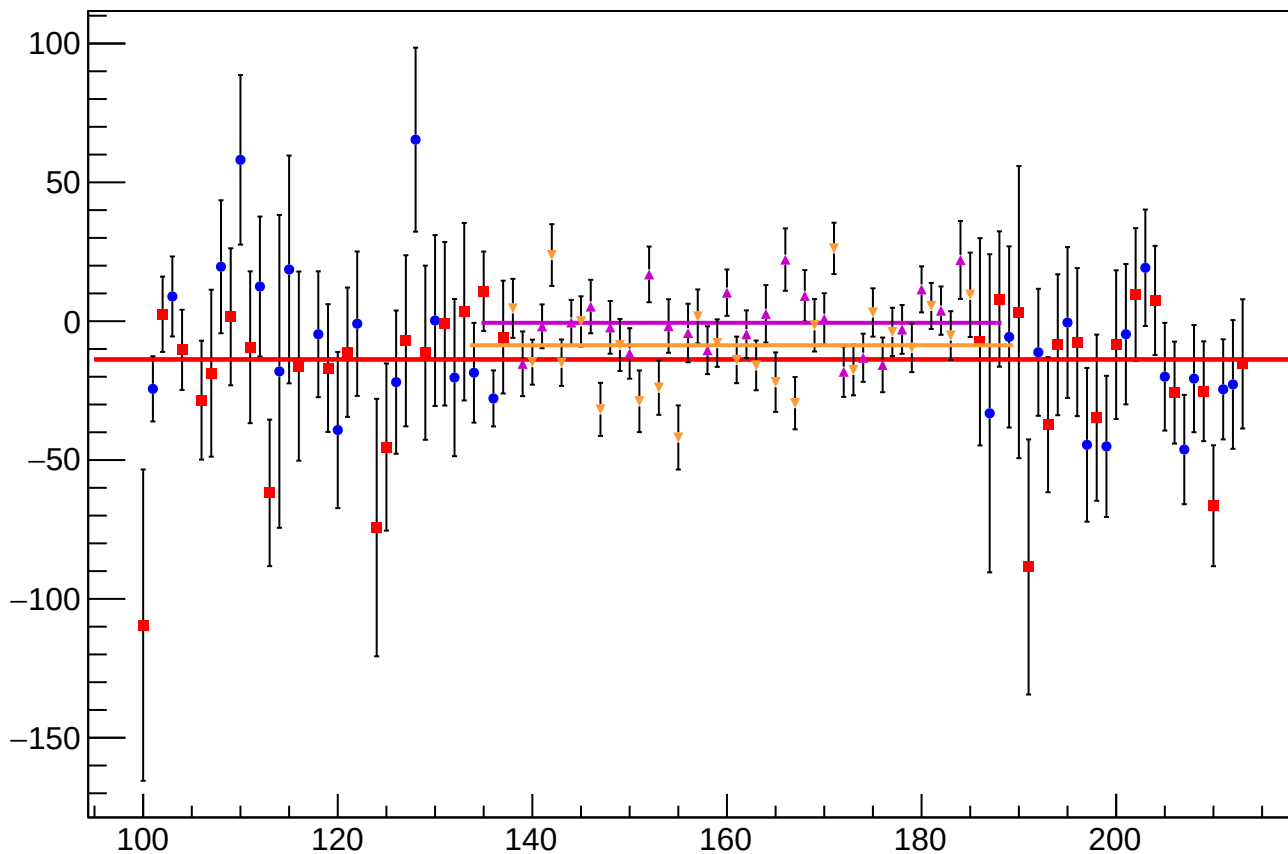
Left In: 6268.263+/-1.048 χ^2/NDF : 524326.6/22

+ sign 6003.651+/-0.716 χ^2/NDF : 2339183.8/53

All: 5988.814+/-0.504 χ^2/NDF : 5421213.8/11

- sign 5974.198+/-0.710 χ^2/NDF : 3081176.7/56

diff_bpm1X_mean vs Slug



Right In: -13.740 ± 3.959 χ^2/NDF : 31.0/28

Left Out: -8.650 ± 1.875 χ^2/NDF : 63.0/24

Right Out: -13.818 ± 4.060 χ^2/NDF : 29.1/33

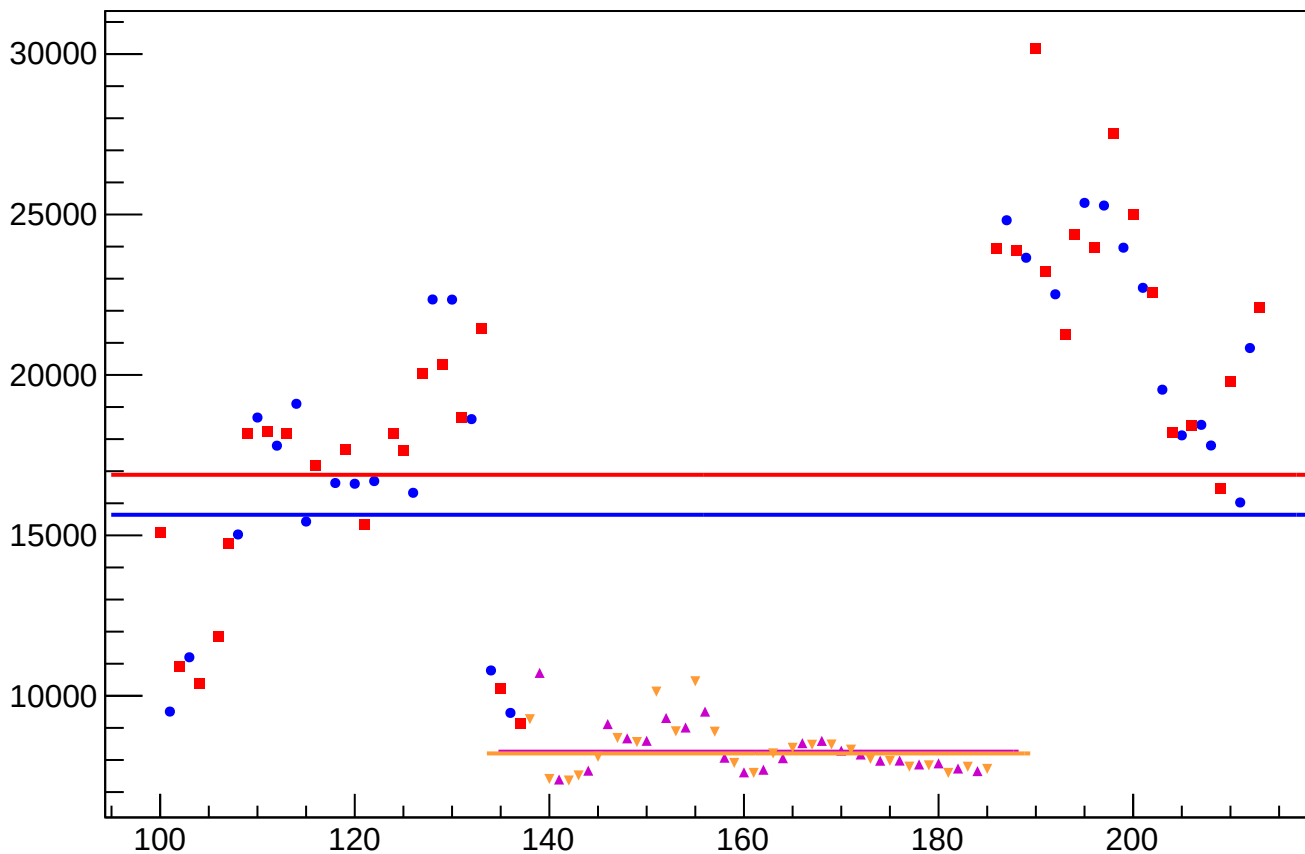
Left In: -0.583 ± 1.939 χ^2/NDF : 28.5/22

+ sign -9.583 ± 1.695 χ^2/NDF : 95.4/53

All: -6.416 ± 1.217 χ^2/NDF : 168.9/110

- sign -3.041 ± 1.750 χ^2/NDF : 66.2/56

diff_bpm1X_rms vs Slug



Right In: 15642.175+/-2.800 χ^2/NDF : 3376629.8/28

Left Out: 8204.502+/-1.326 χ^2/NDF : 272958.7/24

Right Out: 16888.099+/-2.871 χ^2/NDF : 3254439.4/33

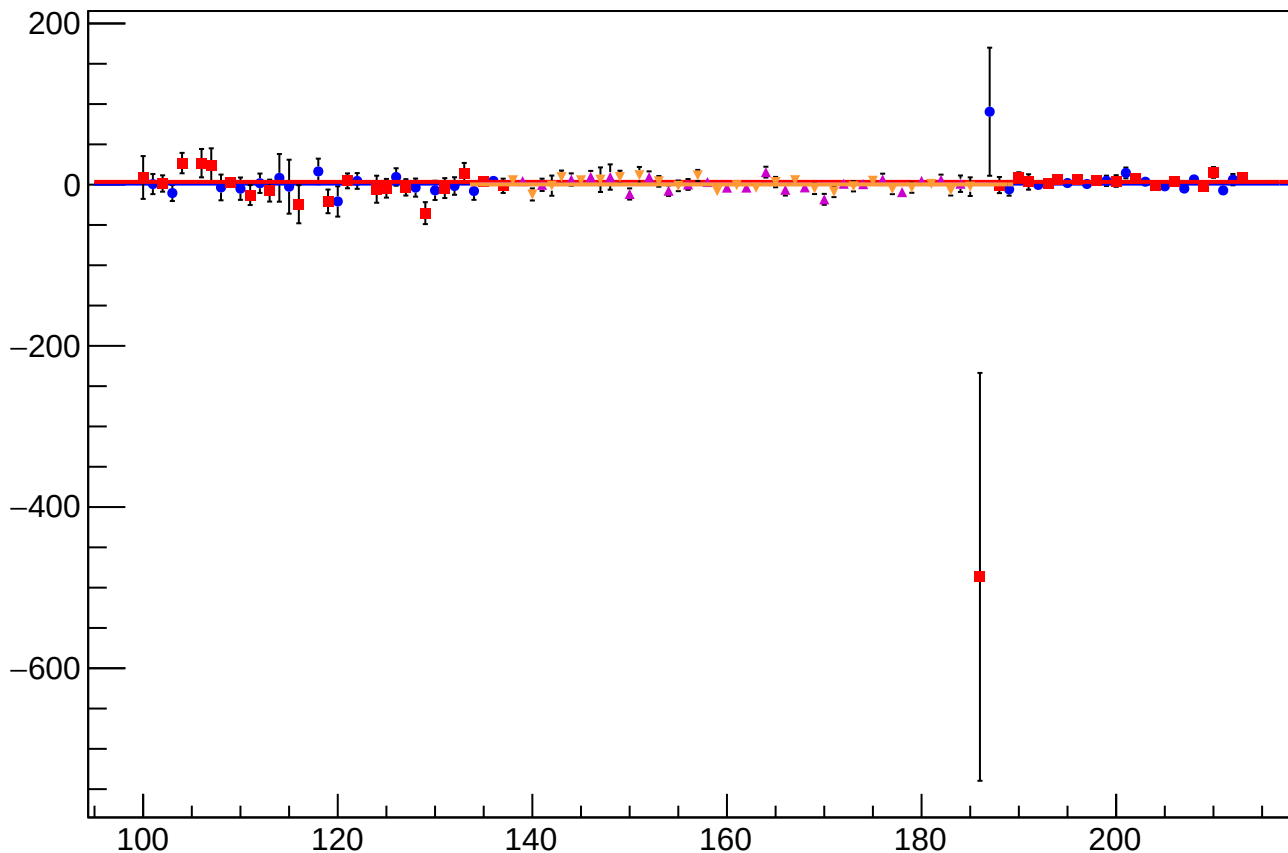
Left In: 8259.162+/-1.371 χ^2/NDF : 257333.8/22

+ sign 9567.132+/-1.198 χ^2/NDF : 9414685.4/53

All: 9709.754+/-0.861 χ^2/NDF : 20313373.1/11

- sign 9861.768+/-1.237 χ^2/NDF : 10869422.6/56

diff_bpm1Y_mean vs Slug



Right In: 1.316 $\pm$ 1.412 χ^2 /NDF: 18.6/28

Left Out: 0.353 $\pm$ 1.322 χ^2 /NDF:21.5/24

Right Out: 3.464 $\pm$ 1.327 χ^2 /NDF: 34.8/33

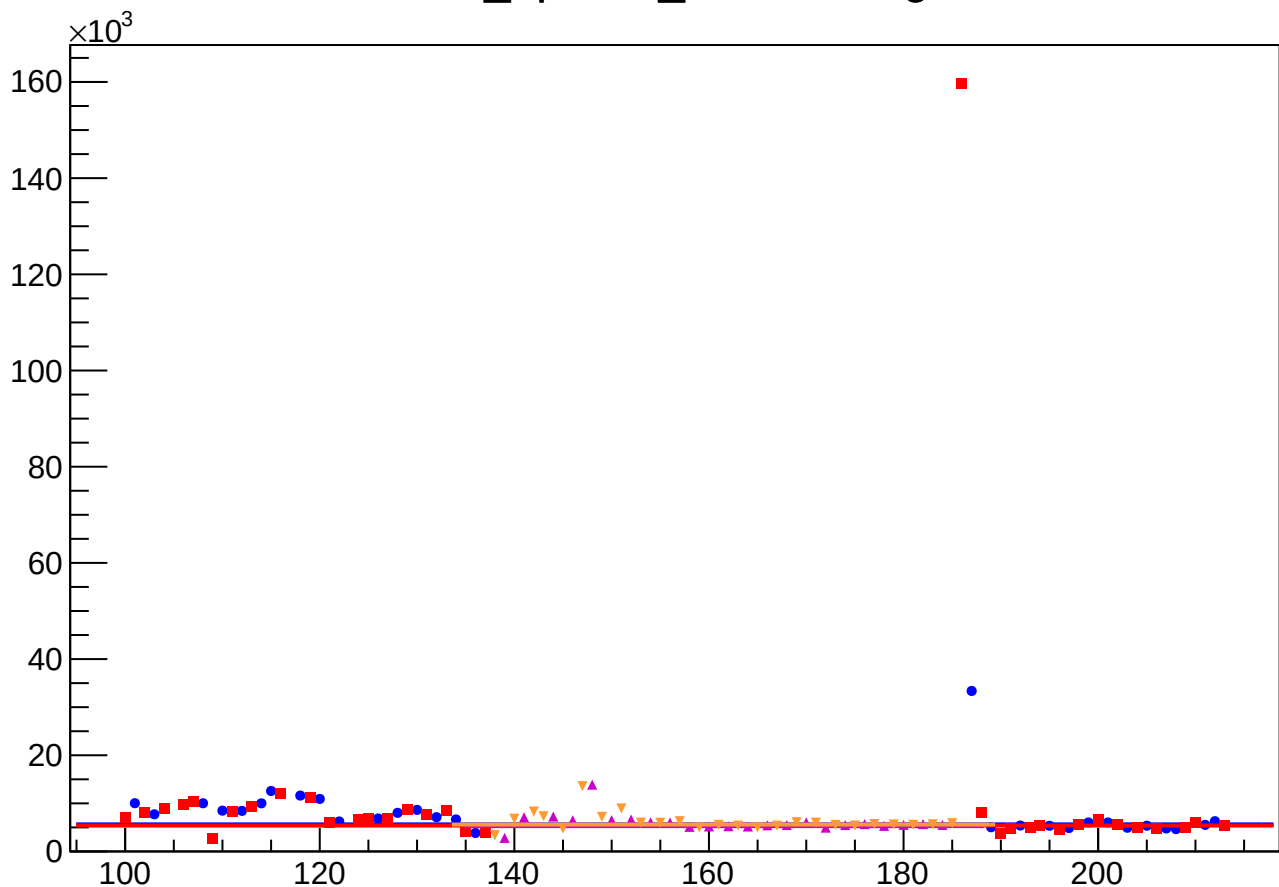
Left In: 0.709 $\pm$ 1.291 χ^2 /NDF:29.9/22

+ sign 0.803 $\pm$ 0.965 χ^2 /NDF: 40.3/53

All: 1.452 $\pm$ 0.668 χ^2 /NDF: 108.1/110

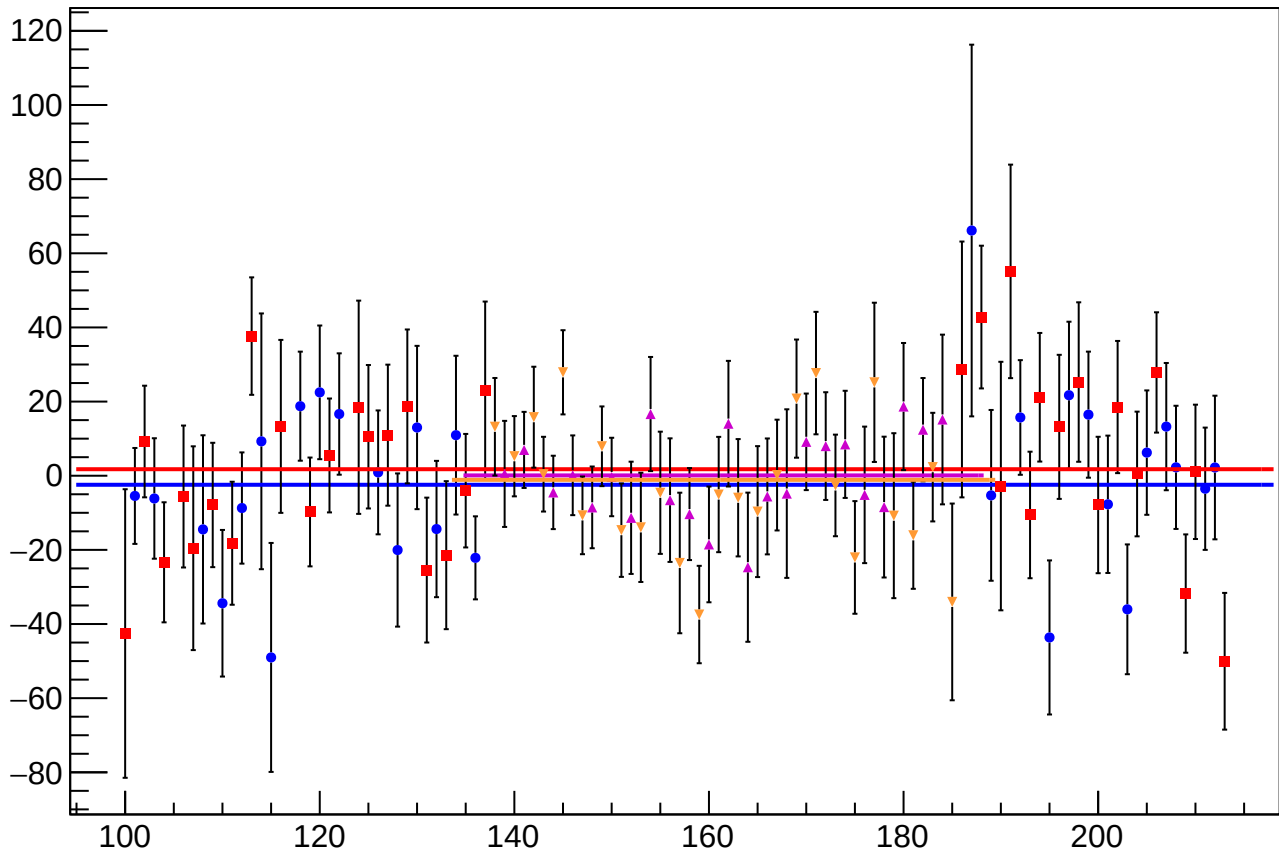
- sign 2.049 $\pm$ 0.925 χ^2 /NDF: 66.9/56

diff_bpm1Y_rms vs Slug



Right In: 5628.592 $\pm$ 0.998	χ^2/NDF : 2453841.1/28	+ sign 5610.425 $\pm$ 0.682	χ^2/NDF : 4238721.7/53
Left Out: 5594.503 $\pm$ 0.935	χ^2/NDF : 1784259.1/24	All: 5460.612 $\pm$ 0.472	χ^2/NDF : 10581234.2/100
Right Out: 5386.209 $\pm$ 0.938	χ^2/NDF : 3815434.9/33	- sign 5322.798 $\pm$ 0.654	χ^2/NDF : 6249931.7/56
Left In: 5262.754 $\pm$ 0.913	χ^2/NDF : 2425604.2/22		

diff_bpm11X_mean vs Slug



Right In: -2.440 ± 3.322 χ^2/NDF : 30.9/28

Left Out: -1.111 ± 2.813 χ^2/NDF : 33.8/24

Right Out: 1.758 ± 3.236 χ^2/NDF : 46.2/33

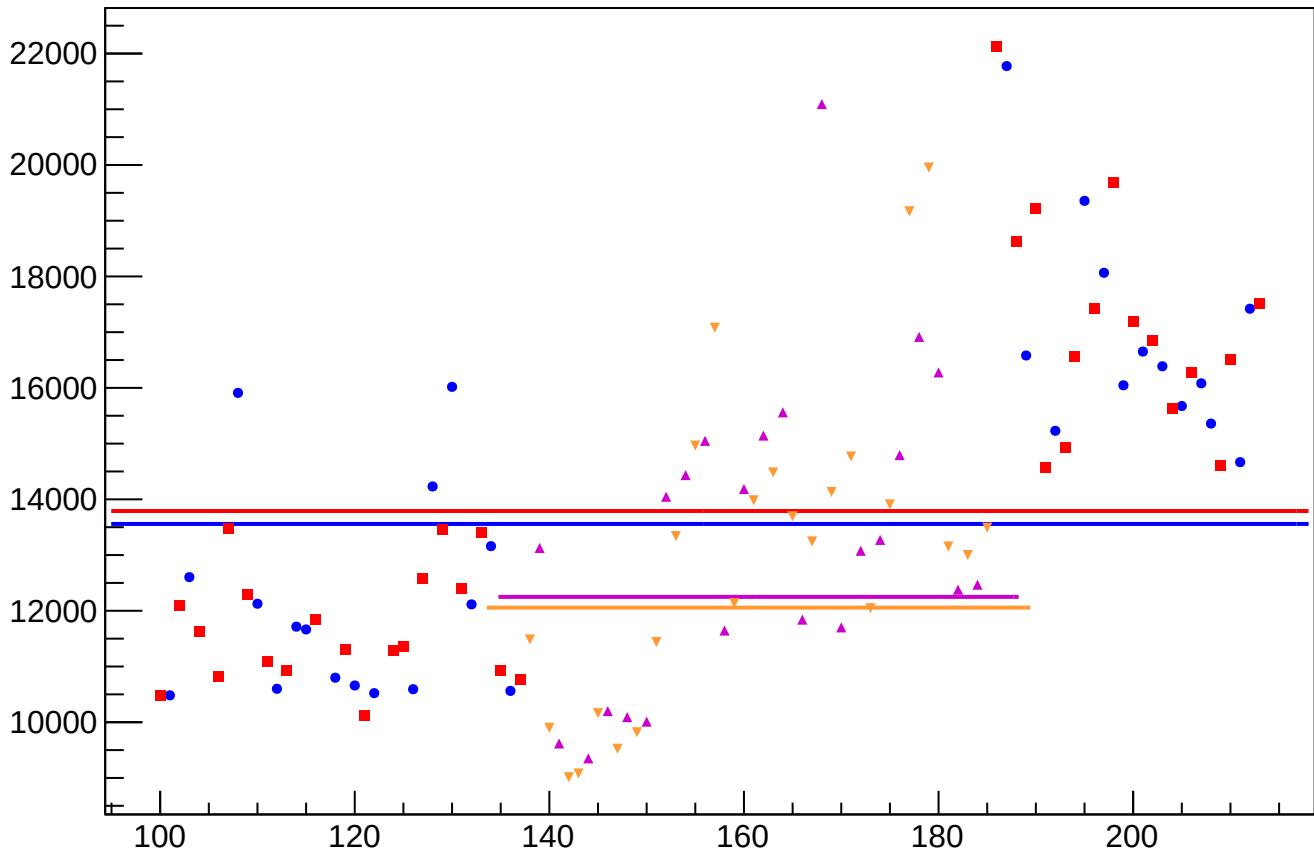
Left In: 0.084 ± 2.926 χ^2/NDF : 11.5/22

+ sign -1.666 ± 2.147 χ^2/NDF : 64.8/53

All: -0.428 ± 1.526 χ^2/NDF : 123.3/110

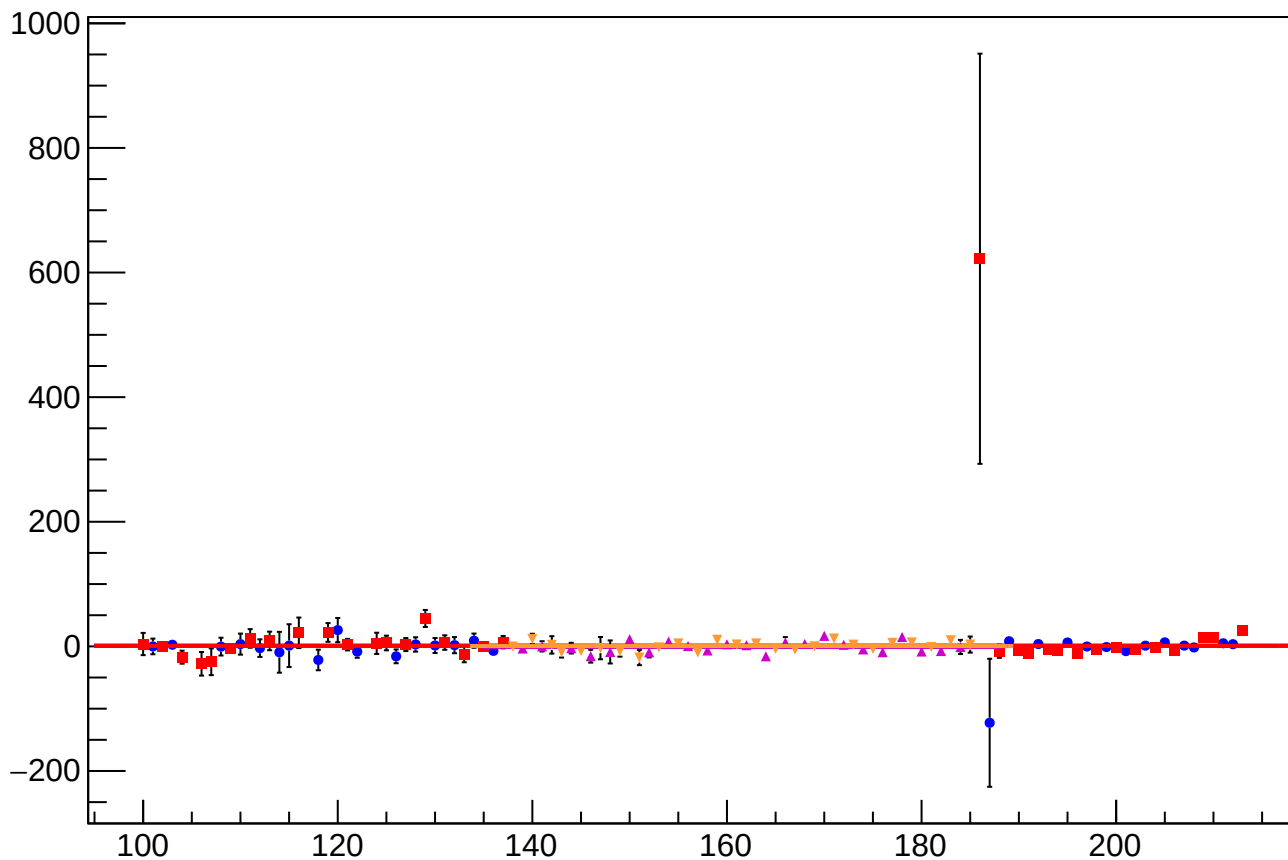
- sign 0.837 ± 2.171 χ^2/NDF : 57.8/56

diff_bpm11X_rms vs Slug



Right In: 13558.362 $\pm$ 2.349	χ^2 /NDF: 1384407.0/28	+ sign 12683.781 $\pm$ 1.518	χ^2 /NDF: 3184131.2/53
Left Out: 12056.714 $\pm$ 1.989	χ^2 /NDF: 1561738.9/24	All: 12811.754 $\pm$ 1.079	χ^2 /NDF: 6384477.5/1
Right Out: 13790.636 $\pm$ 2.288	χ^2 /NDF: 1520279.3/33	- sign 12942.566 $\pm$ 1.535	χ^2 /NDF: 3185975.0/56
Left In: 12249.109 $\pm$ 2.069	χ^2 /NDF: 1416030.4/22		

diff_bpm11Y_mean vs Slug



Right In: 1.177 ± 1.169 χ^2/NDF : 21.6/28

Left Out: 0.526 ± 1.369 χ^2/NDF : 21.4/24

Right Out: 0.753 ± 1.133 χ^2/NDF : 100.3/33

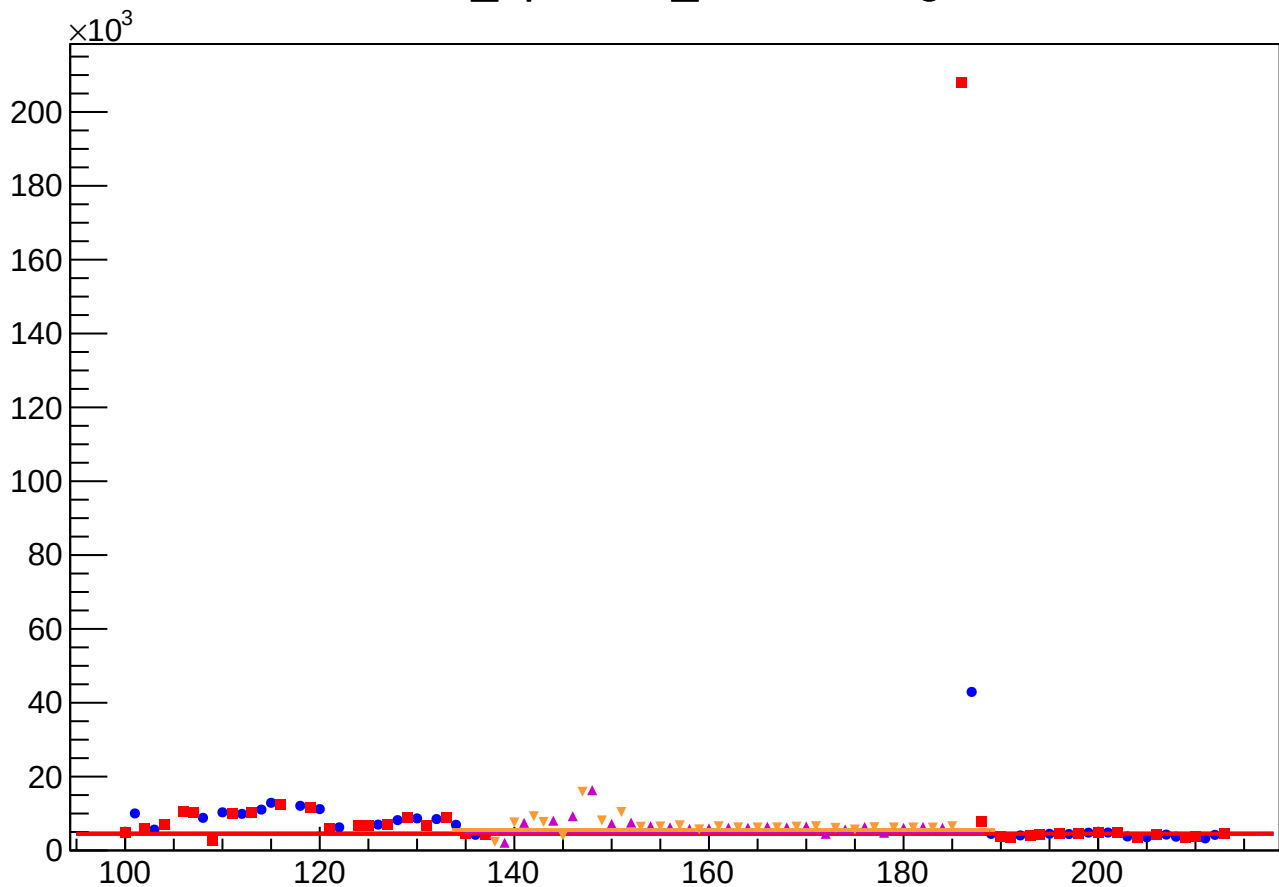
Left In: -0.946 ± 1.294 χ^2/NDF : 32.2/22

+ sign 0.902 ± 0.889 χ^2/NDF : 43.2/53

All: 0.441 ± 0.615 χ^2/NDF : 177.2/110

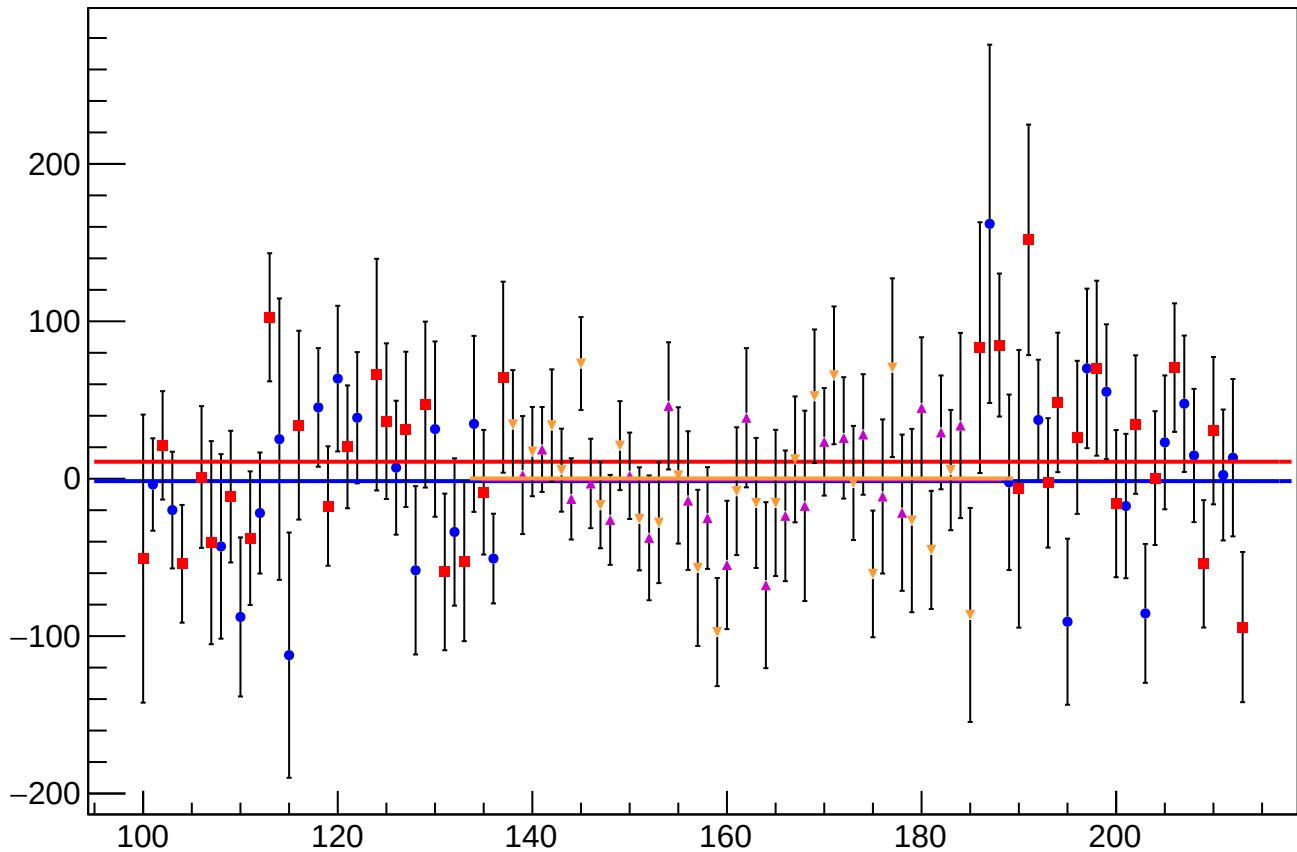
- sign 0.016 ± 0.852 χ^2/NDF : 133.5/56

diff_bpm11Y_rms vs Slug



Right In: 4558.722 ± 0.827 $\chi^2/\text{NDF}: 3717421.3/28$ + sign 4967.523 ± 0.629 $\chi^2/\text{NDF}: 8673065.0/53$
 Left Out: 5527.971 ± 0.968 $\chi^2/\text{NDF}: 4375722.1/24$ All: 4833.311 ± 0.435 $\chi^2/\text{NDF}: 19037566.8/1$
 Right Out: 4532.211 ± 0.801 $\chi^2/\text{NDF}: 4227343.2/33$ - sign 4709.916 ± 0.603 $\chi^2/\text{NDF}: 10276989.7/56$
 Left In: 4941.993 ± 0.915 $\chi^2/\text{NDF}: 5936108.3/22$

diff_bpm12X_mean vs Slug



Right In: -1.521 ± 8.304 χ^2/NDF : 31.2/28

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 10.804 ± 8.091 χ^2/NDF : 37.4/33

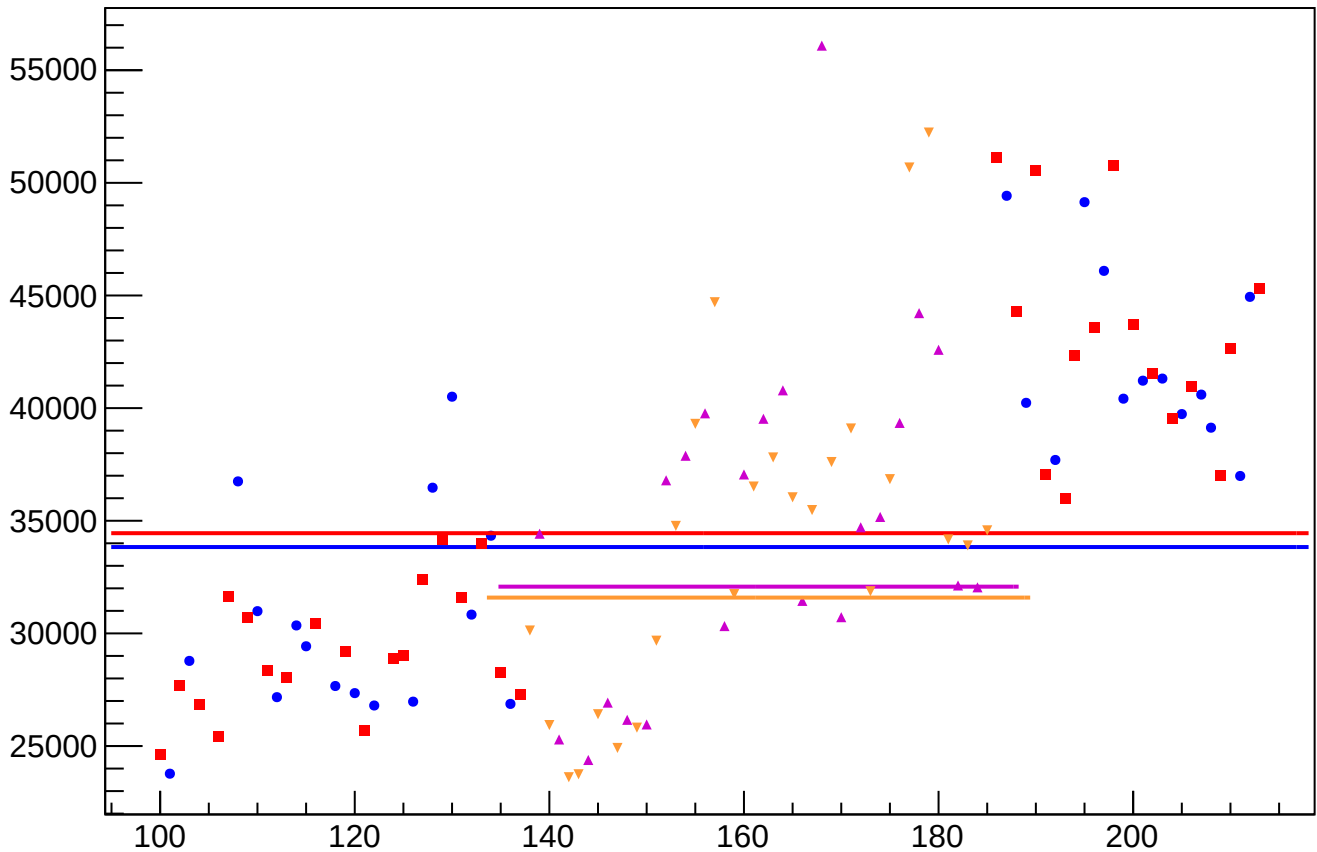
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -0.577 ± 5.514 χ^2/NDF : 62.4/53

All: 2.088 ± 3.917 χ^2/NDF : 114.1/110

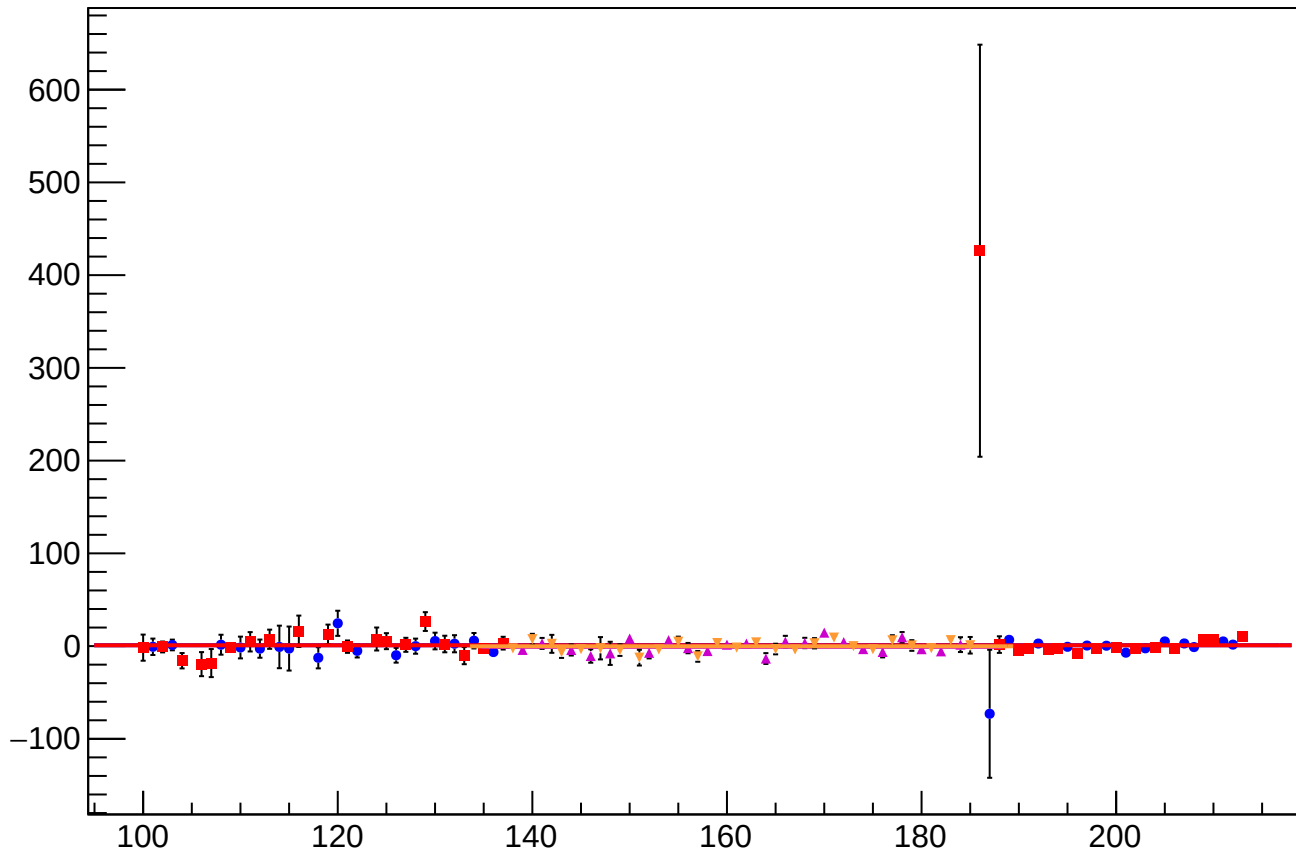
- sign 4.803 ± 5.565 χ^2/NDF : 51.3/56

diff_bpm12X_rms vs Slug



Right In: 33833.312+/-5.872	χ^2/NDF : 1471465.7/28	+ sign 32579.098+/-3.899	χ^2/NDF : 3143946.6/53
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 32885.663+/-2.770	χ^2/NDF : 6288020.5/1
Right Out: 34448.325+/-5.721	χ^2/NDF : 1585213.2/33	- sign 33197.927+/-3.935	χ^2/NDF : 3131595.0/56
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpm12Y_mean vs Slug



Right In: 0.950 ± 0.695 χ^2/NDF : 33.4/28

Left Out: -0.226 ± 1.094 χ^2/NDF : 19.9/24

Right Out: 0.872 ± 0.701 χ^2/NDF : 76.3/33

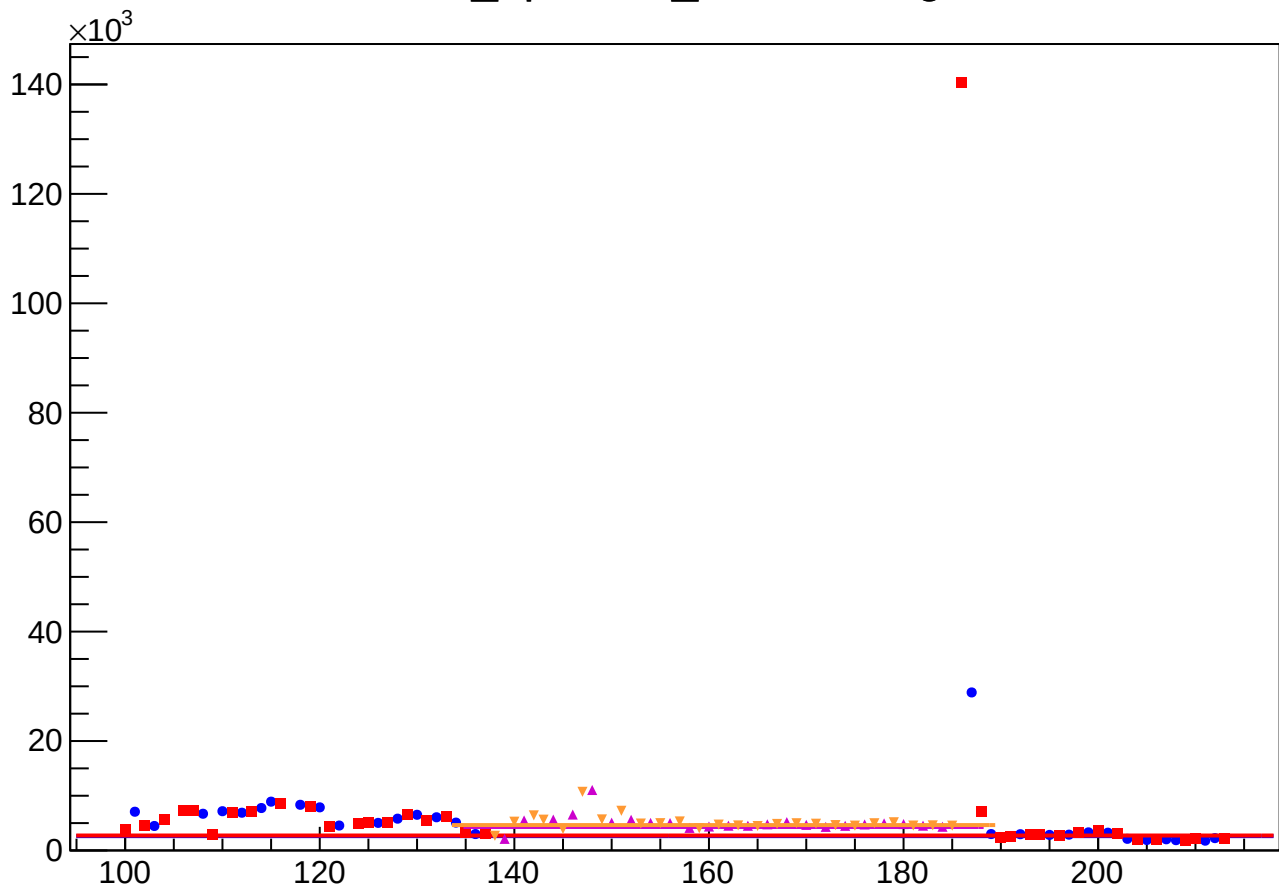
Left In: -0.788 ± 1.061 χ^2/NDF : 33.8/22

+ sign 0.612 ± 0.587 χ^2/NDF : 54.1/53

All: 0.489 ± 0.414 χ^2/NDF : 166.0/110

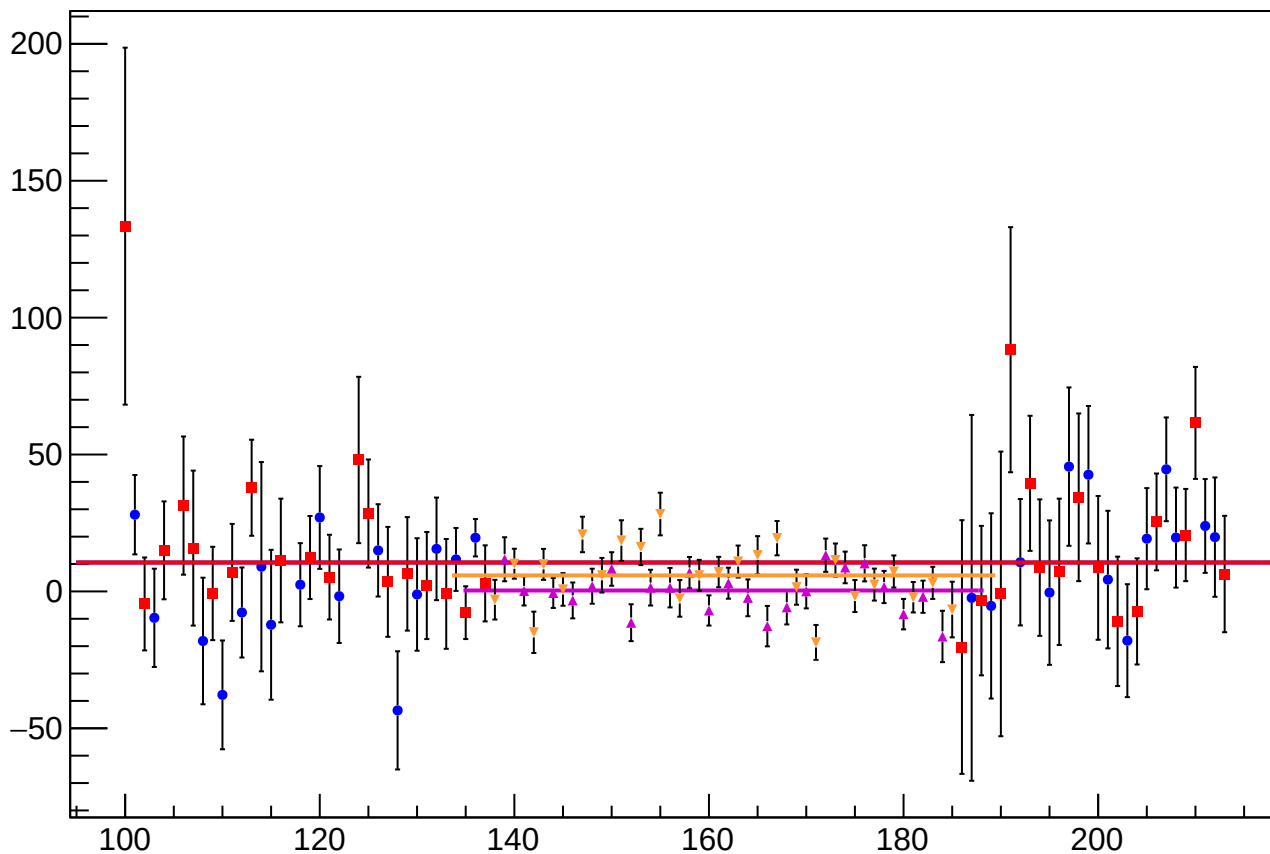
- sign 0.368 ± 0.585 χ^2/NDF : 111.8/56

diff_bpm12Y_rms vs Slug



Right In: 2616.928+/-0.492	χ^2/NDF : 5831175.4/28	+ sign 3198.399+/-0.415	χ^2/NDF : 12453500.8/53
Left Out: 4637.399+/-0.774	χ^2/NDF : 1763103.2/24	All: 3202.971+/-0.293	χ^2/NDF : 24825634.9/1
Right Out: 2732.662+/-0.496	χ^2/NDF : 6255246.0/33	- sign 3207.509+/-0.413	χ^2/NDF : 12371892.2/56
Left In: 4295.074+/-0.750	χ^2/NDF : 3095610.0/22		

diff_bpm16X_mean vs Slug



Right In: 10.558 ± 3.264 $\chi^2/\text{NDF}: 32.2/28$

Left Out: 5.849 ± 1.257 $\chi^2/\text{NDF}: 60.0/24$

Right Out: 10.559 ± 3.427 $\chi^2/\text{NDF}: 29.9/33$

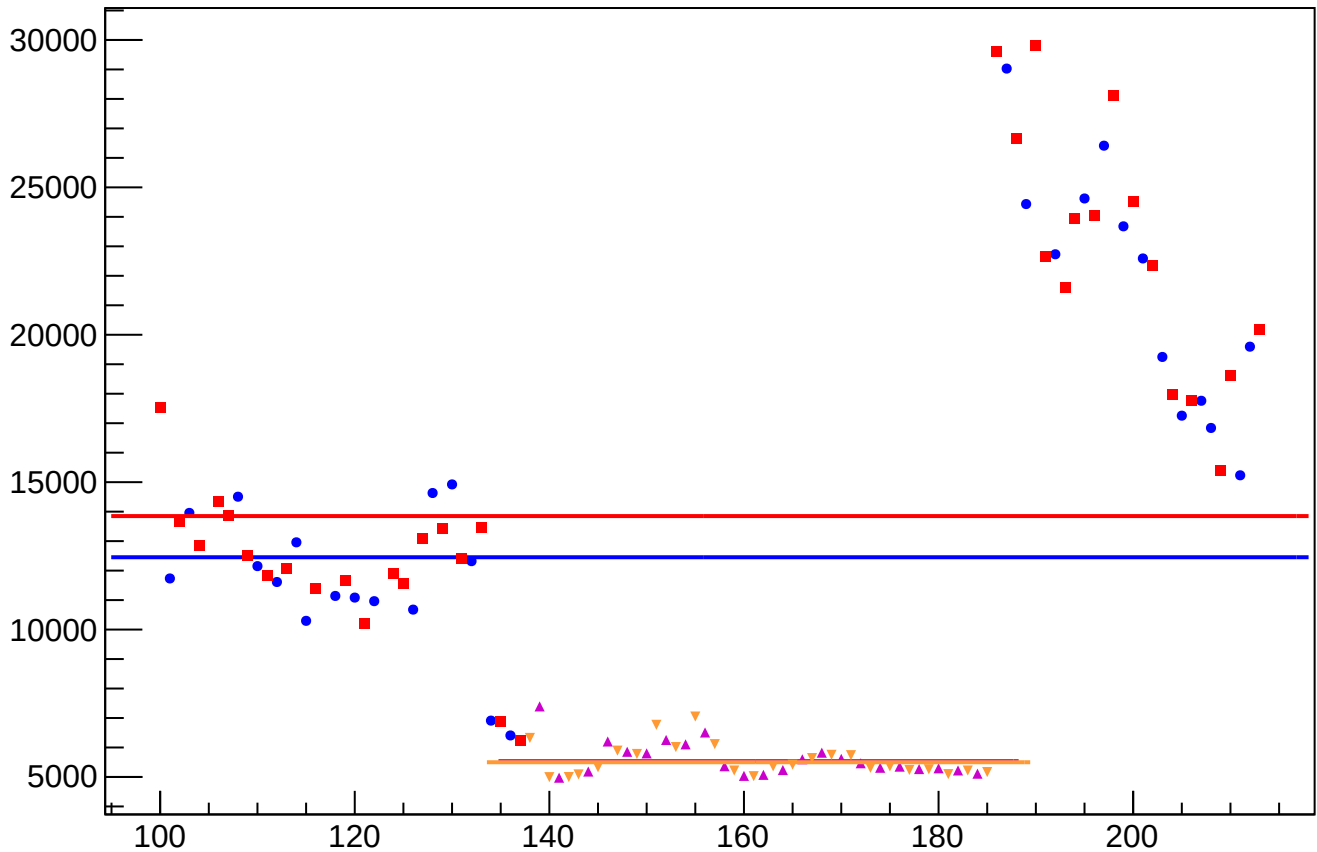
Left In: 0.337 ± 1.301 $\chi^2/\text{NDF}: 29.4/22$

+ sign 6.457 ± 1.173 $\chi^2/\text{NDF}: 94.0/53$

All: 4.127 ± 0.844 $\chi^2/\text{NDF}: 169.2/110$

- sign 1.624 ± 1.216 $\chi^2/\text{NDF}: 67.0/56$

diff_bpm16X_rms vs Slug



Right In: 12453.088+/-2.308 χ^2/NDF : 5480373.0/28

Left Out: 5499.215+/-0.889 χ^2/NDF : 297719.4/24

+ sign 6398.040+/-0.830 χ^2/NDF : 13684552.2/53

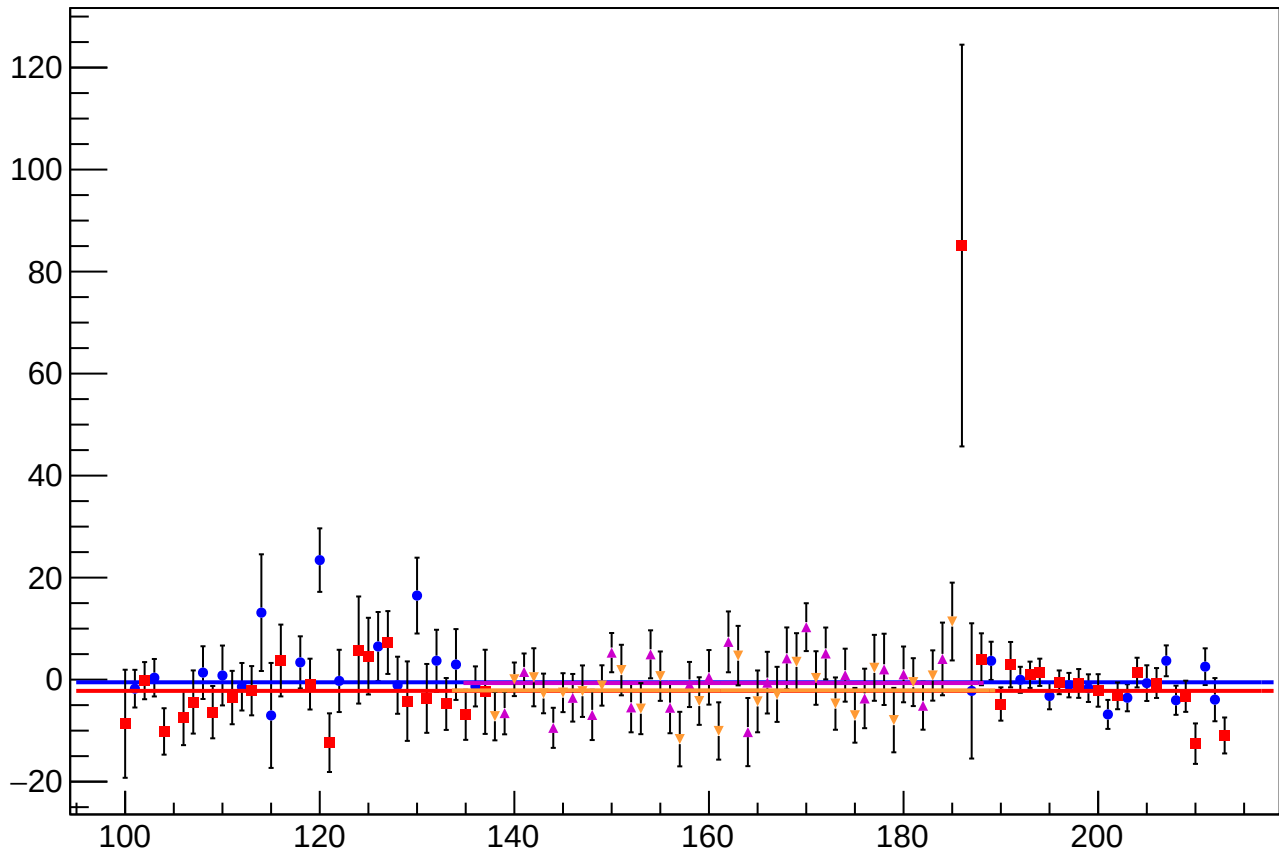
Right Out: 13849.486+/-2.423 χ^2/NDF : 5210921.7/33

All: 6487.851+/-0.597 χ^2/NDF : 29505748.9/100

- sign 6584.334+/-0.860 χ^2/NDF : 15796890.5/56

Left In: 5537.777+/-0.920 χ^2/NDF : 304062.1/22

diff_bpm16Y_mean vs Slug



Right In: -0.519 ± 0.716 χ^2/NDF : 38.4/28

Left Out: -2.116 ± 0.987 χ^2/NDF : 17.5/24

Right Out: -2.205 ± 0.690 χ^2/NDF : 42.0/33

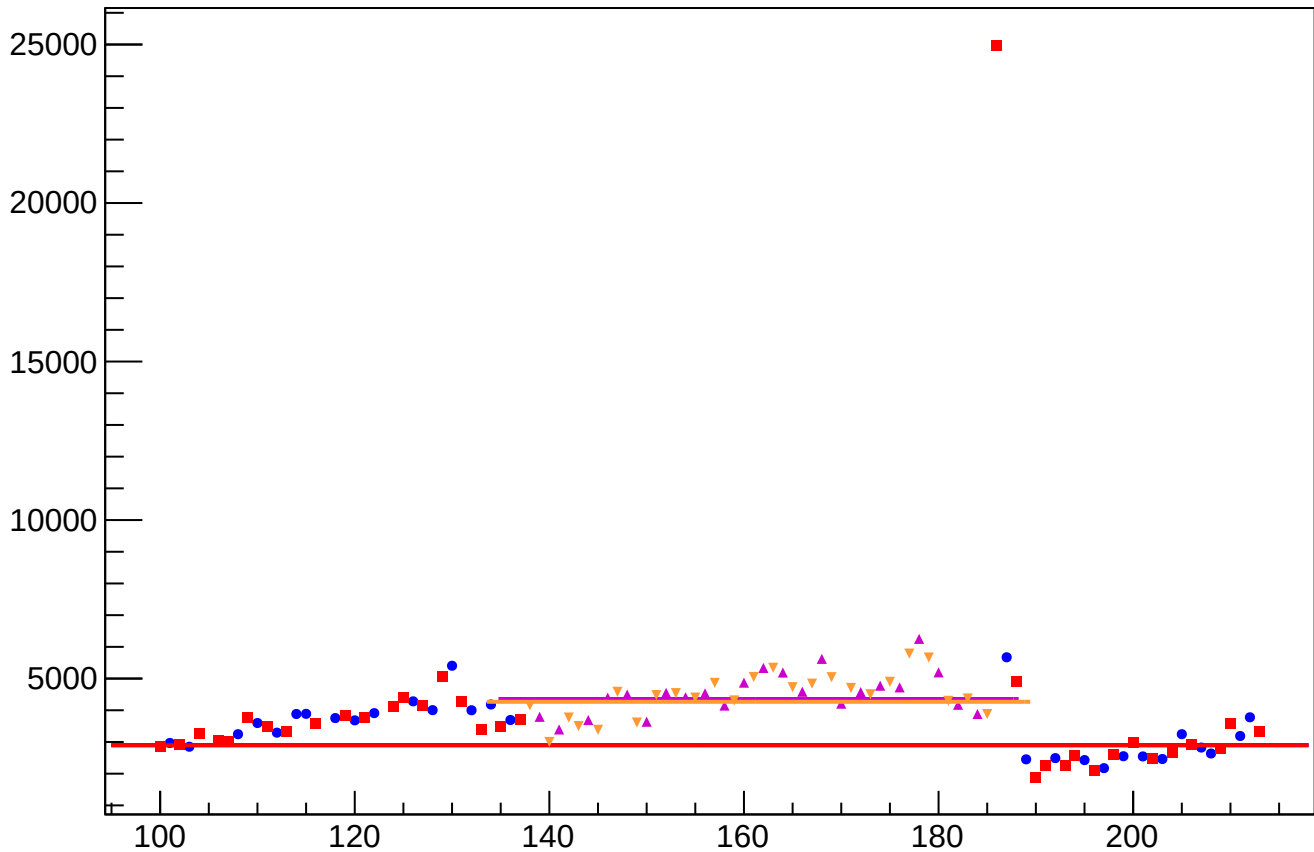
Left In: -0.670 ± 1.031 χ^2/NDF : 28.4/22

+ sign -1.069 ± 0.579 χ^2/NDF : 57.5/53

All: -1.403 ± 0.408 χ^2/NDF : 130.1/110

- sign -1.731 ± 0.573 χ^2/NDF : 71.9/56

diff_bpm16Y_rms vs Slug



Right In: 2899.175+/-0.506 χ^2/NDF : 1503123.6/28

Left Out: 4267.631+/-0.698 χ^2/NDF : 1034722.2/24

Right Out: 2895.929+/-0.488 χ^2/NDF : 2514256.3/33

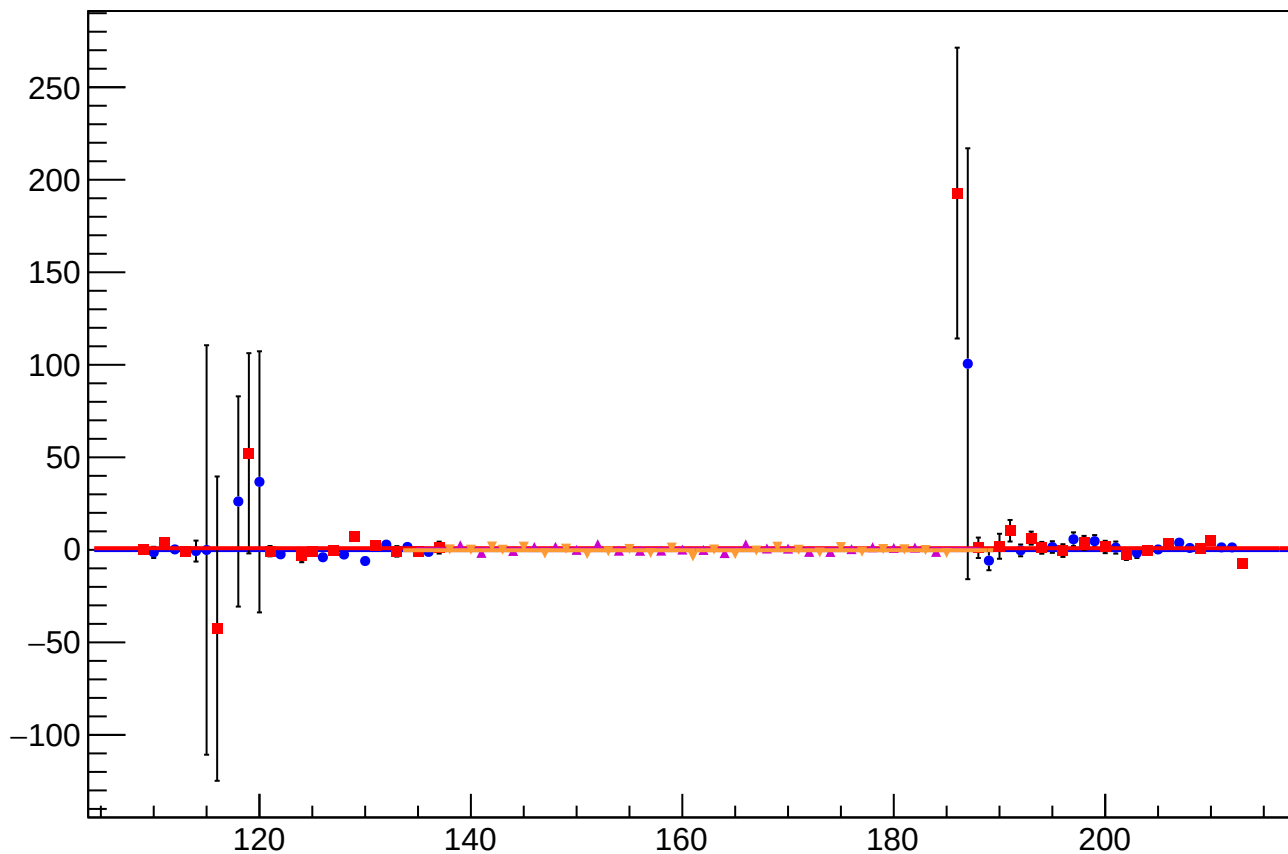
Left In: 4355.855+/-0.729 χ^2/NDF : 743046.1/22

+ sign 3370.470+/-0.410 χ^2/NDF : 5056952.8/53

All: 3358.840+/-0.288 χ^2/NDF : 11086534.8/100

- sign 3347.454+/-0.405 χ^2/NDF : 6027987.3/56

diff_bpm1p02bX_mean vs Slug



Right In: -0.128 ± 0.530 χ^2/NDF : 27.1/25

Left Out: -0.201 ± 0.236 χ^2/NDF : 33.9/24

Right Out: 0.894 ± 0.528 χ^2/NDF : 42.5/28

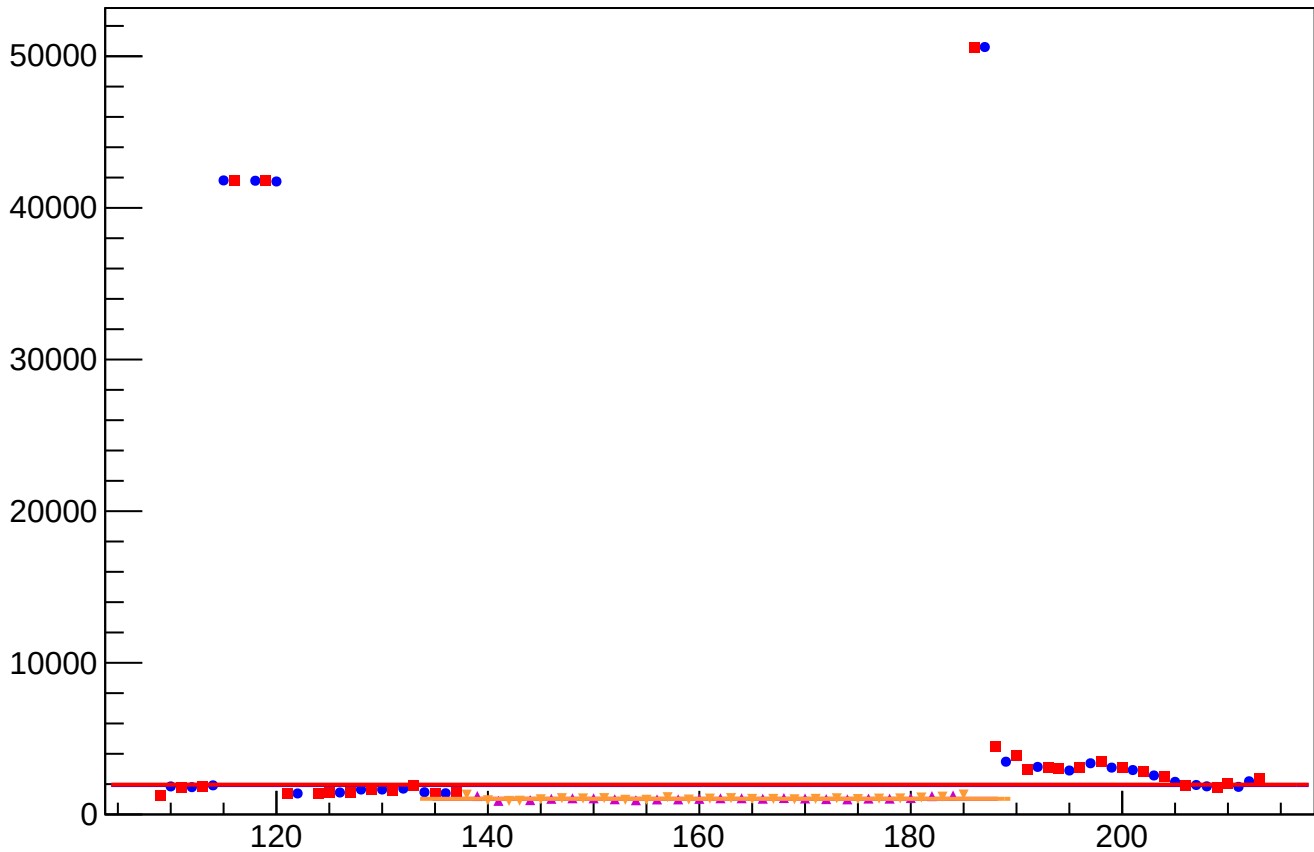
Left In: 0.333 ± 0.242 χ^2/NDF : 29.4/22

+ sign -0.189 ± 0.215 χ^2/NDF : 61.1/50

All: 0.114 ± 0.154 χ^2/NDF : 137.9/102

- sign 0.431 ± 0.220 χ^2/NDF : 72.8/51

diff_bpm1p02bX_rms vs Slug



Right In: 1938.580 $\pm$ 0.374 χ^2 /NDF: 4417960.9/25

Left Out: 1031.473 $\pm$ 0.167 χ^2 /NDF: 244095.3/24

Right Out: 1967.431 $\pm$ 0.373 χ^2 /NDF: 5423074.3/28

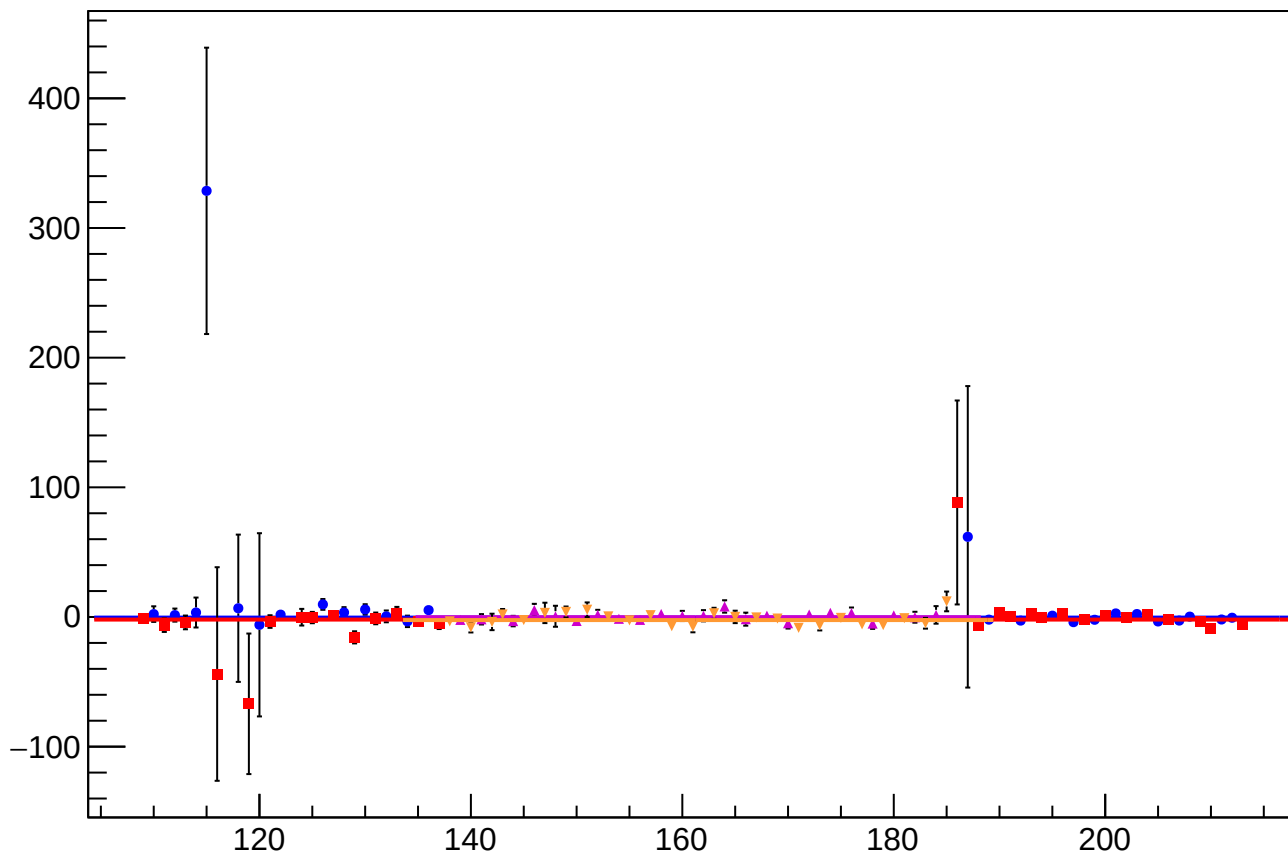
Left In: 1032.715 $\pm$ 0.171 χ^2 /NDF: 187148.3/22

+ sign 1181.274 $\pm$ 0.152 χ^2 /NDF: 9562295.4/50

All: 1188.012 $\pm$ 0.109 χ^2 /NDF: 20352059.9/100

- sign 1195.064 $\pm$ 0.156 χ^2 /NDF: 10785751.0/51

diff_bpm1p02bY_mean vs Slug



Right In: -0.470 ± 0.463 χ^2/NDF : 45.3/25

Left Out: -2.380 ± 0.782 χ^2/NDF : 24.3/24

Right Out: -1.993 ± 0.469 χ^2/NDF : 65.3/28

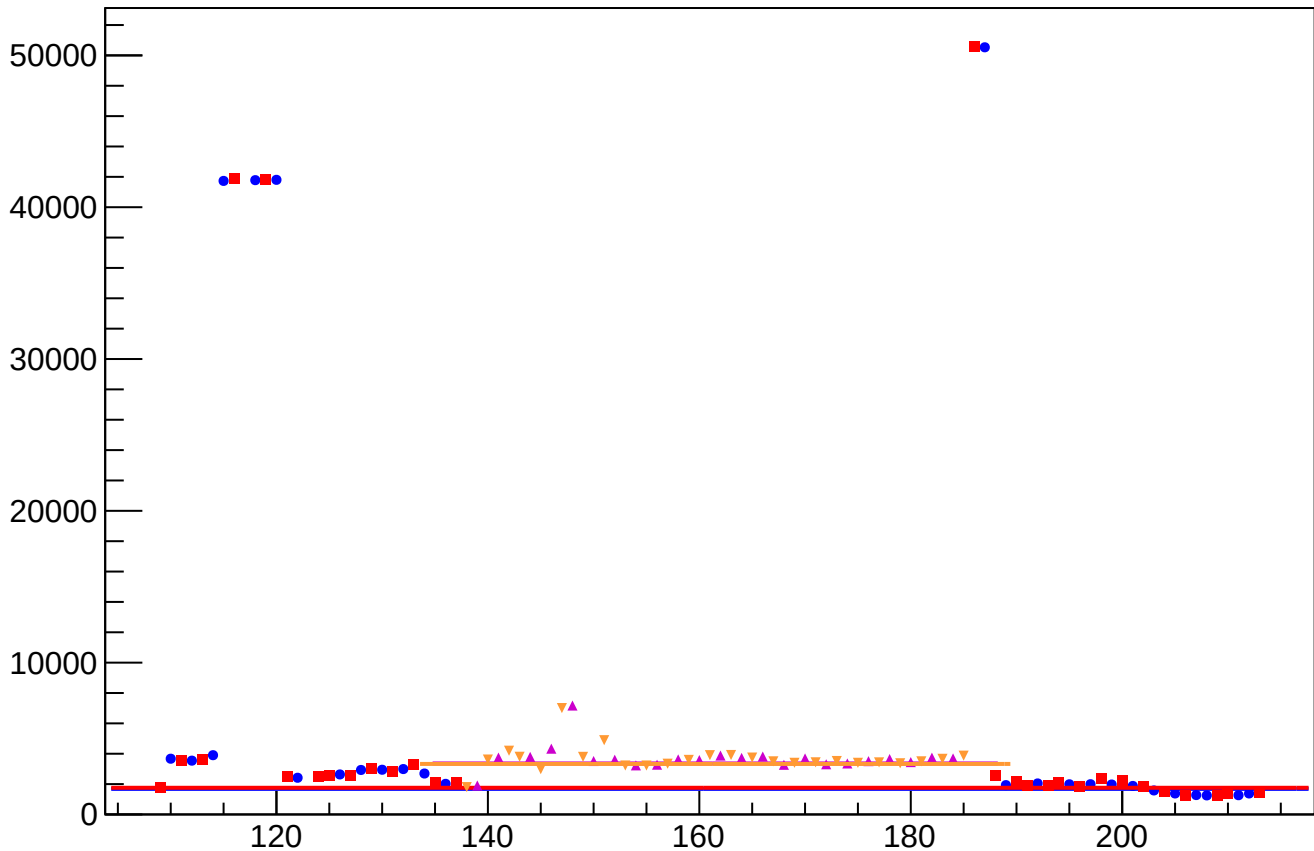
Left In: -0.171 ± 0.810 χ^2/NDF : 12.6/22

+ sign -0.967 ± 0.399 χ^2/NDF : 74.0/50

All: -1.246 ± 0.284 χ^2/NDF : 156.8/102

- sign -1.535 ± 0.406 χ^2/NDF : 81.7/51

diff_bpm1p02bY_rms vs Slug



Right In: 1685.455 ± 0.328 $\chi^2/\text{NDF}: 4620613.8/25$

Left Out: 3328.251 ± 0.553 $\chi^2/\text{NDF}: 1915576.2/24$

Right Out: 1757.100 ± 0.332 $\chi^2/\text{NDF}: 4749258.2/28$

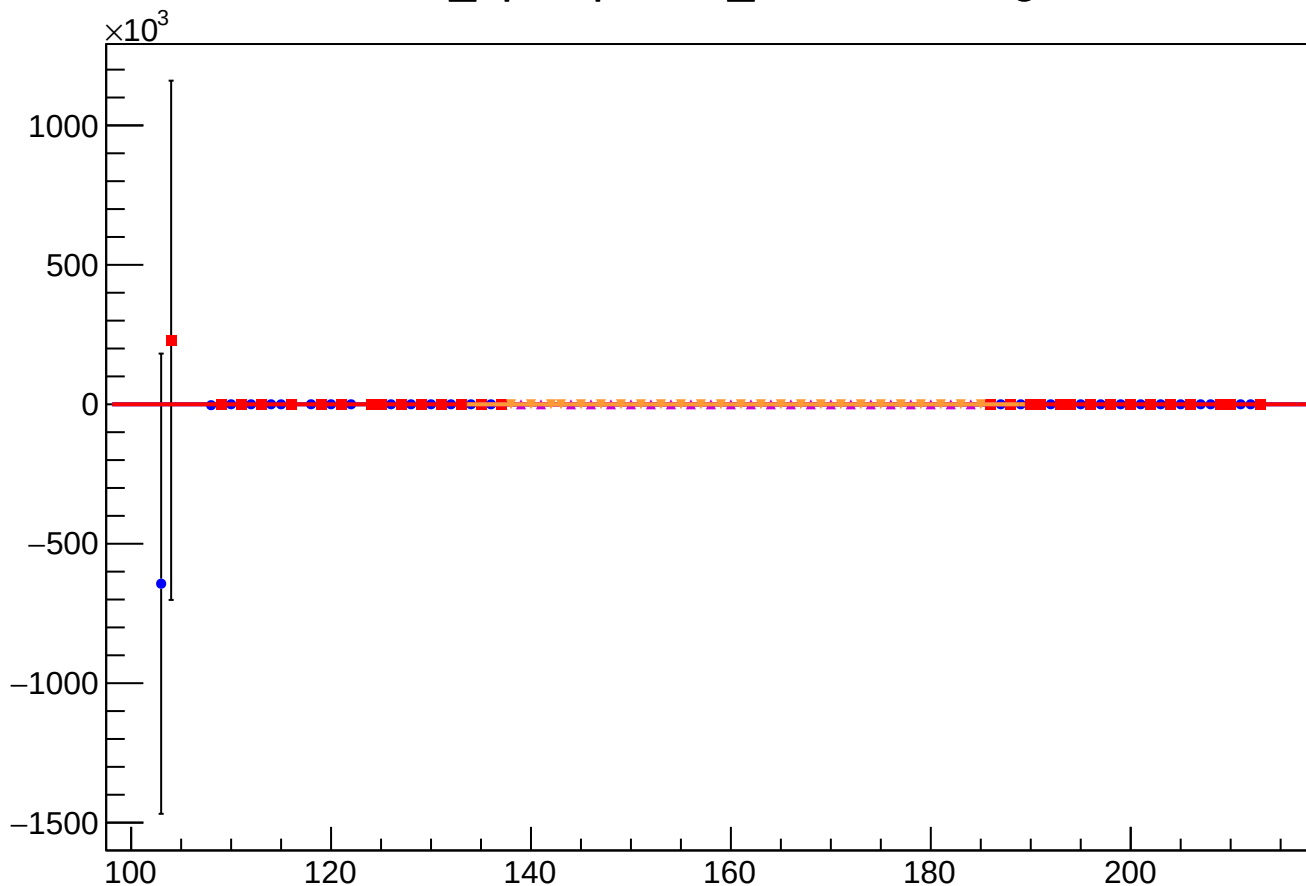
Left In: 3360.799 ± 0.572 $\chi^2/\text{NDF}: 1649390.5/22$

+ sign 2112.430 ± 0.282 $\chi^2/\text{NDF}: 13066999.4/50$

All: 2135.937 ± 0.201 $\chi^2/\text{NDF}: 25354157.9/1$

- sign 2160.305 ± 0.287 $\chi^2/\text{NDF}: 12273000.2/51$

diff_bpm1p03aX_mean vs Slug



Right In: -1.598 ± 0.564 χ^2/NDF : 30.1/27

Left Out: -1.573 ± 0.363 χ^2/NDF : 50.3/24

Right Out: -2.329 ± 0.565 χ^2/NDF : 33.4/29

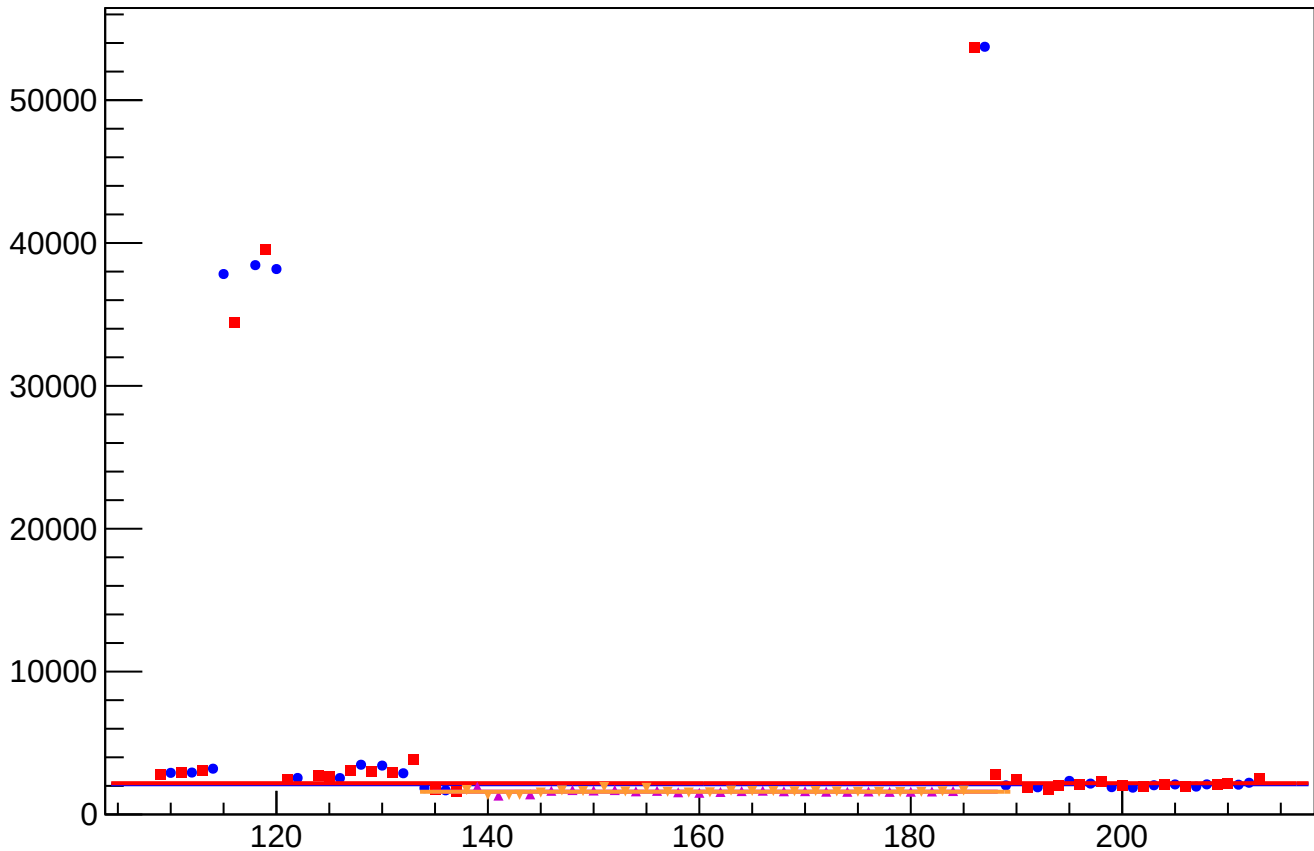
Left In: 0.018 ± 0.374 χ^2/NDF : 27.3/22

+ sign -1.580 ± 0.305 χ^2/NDF : 80.4/52

All: -1.149 ± 0.218 χ^2/NDF : 157.2/105

- sign -0.699 ± 0.312 χ^2/NDF : 72.7/52

diff_bpm1p03aX_rms vs Slug



Right In: 2113.028+/-0.399 χ^2/NDF : 2985259.0/25

Left Out: 1589.488+/-0.257 χ^2/NDF : 232518.0/24

Right Out: 2189.201+/-0.400 χ^2/NDF : 3286365.0/28

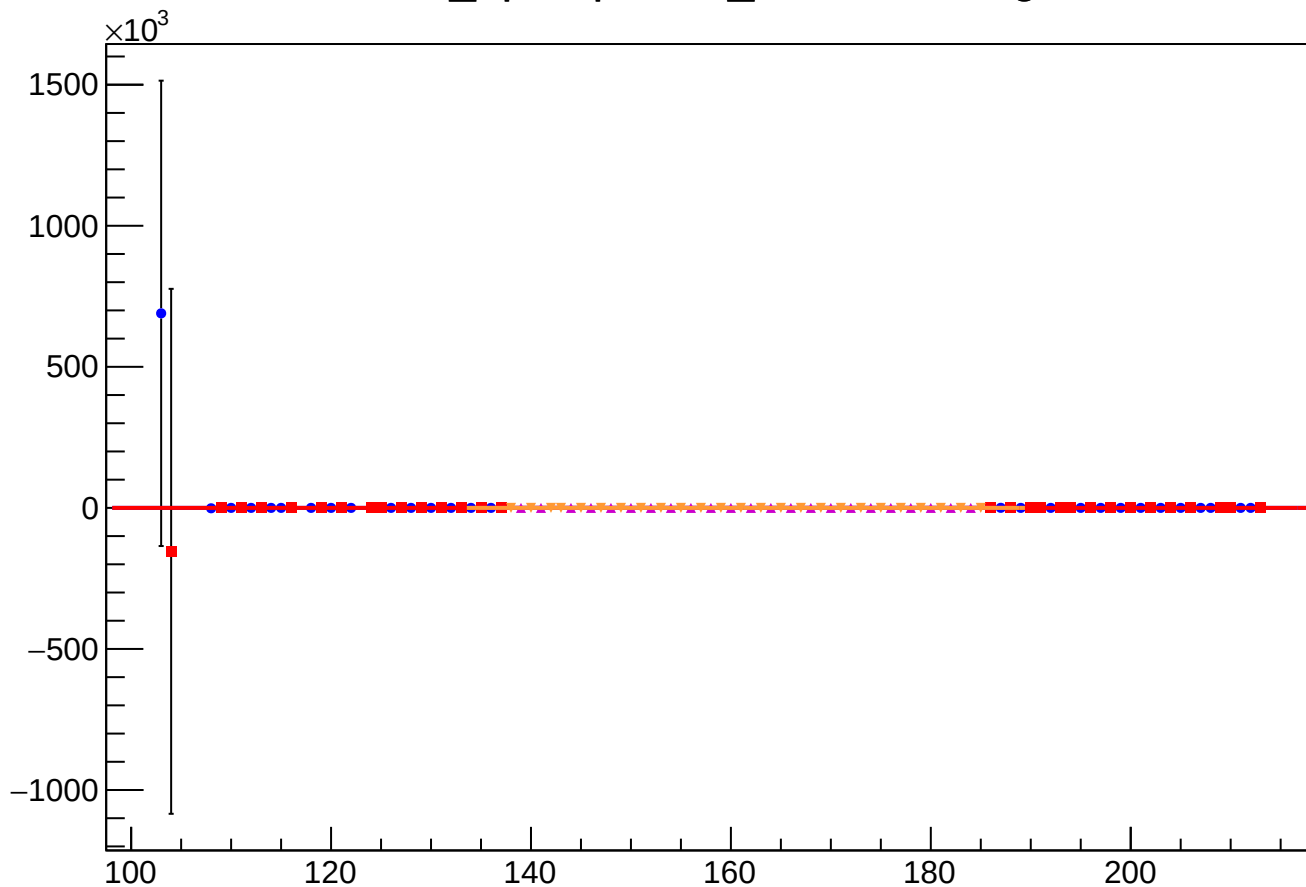
Left In: 1596.179+/-0.265 χ^2/NDF : 196833.1/22

+ sign 1742.760+/-0.216 χ^2/NDF : 4436373.5/50

All: 1759.555+/-0.154 χ^2/NDF : 9462574.5/100

- sign 1777.124+/-0.221 χ^2/NDF : 5013808.4/51

diff_bpm1p03aY_mean vs Slug



Right In: -0.036 $\pm$ 0.405 χ^2 /NDF: 27.1/27

Left Out: -1.179 $\pm$ 0.502 χ^2 /NDF: 24.4/24

Right Out: -0.641 $\pm$ 0.400 χ^2 /NDF: 36.1/29

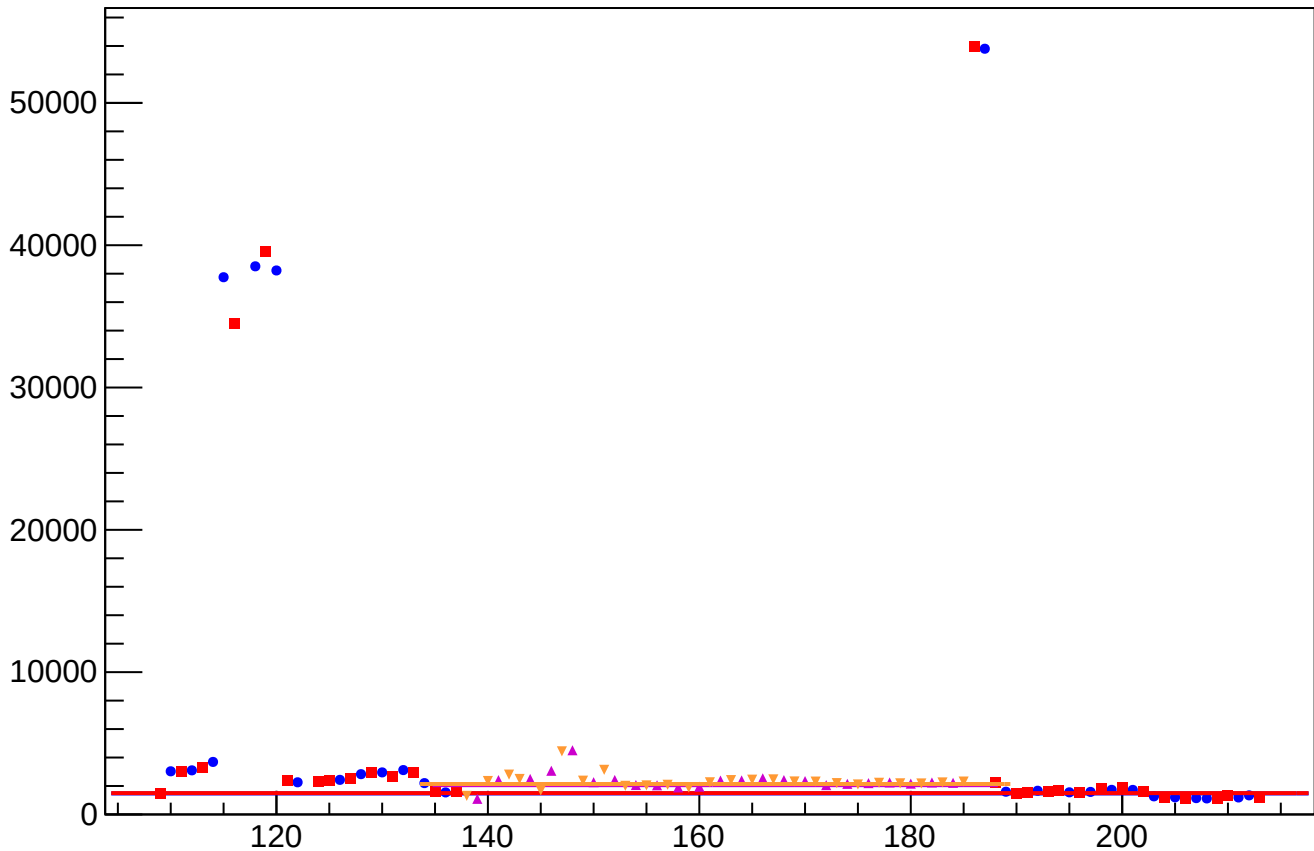
Left In: 0.125 $\pm$ 0.501 χ^2 /NDF: 16.9/22

+ sign -0.486 $\pm$ 0.315 χ^2 /NDF: 54.7/52

All: -0.414 $\pm$ 0.222 χ^2 /NDF: 109.2/105

- sign -0.343 $\pm$ 0.313 χ^2 /NDF: 54.4/52

diff_bpm1p03aY_rms vs Slug



Right In: 1475.479+/-0.286 χ^2/NDF : 4514522.2/25

Left Out: 2139.248+/-0.355 χ^2/NDF : 1480000.5/24

Right Out: 1500.088+/-0.283 χ^2/NDF : 4742616.6/28

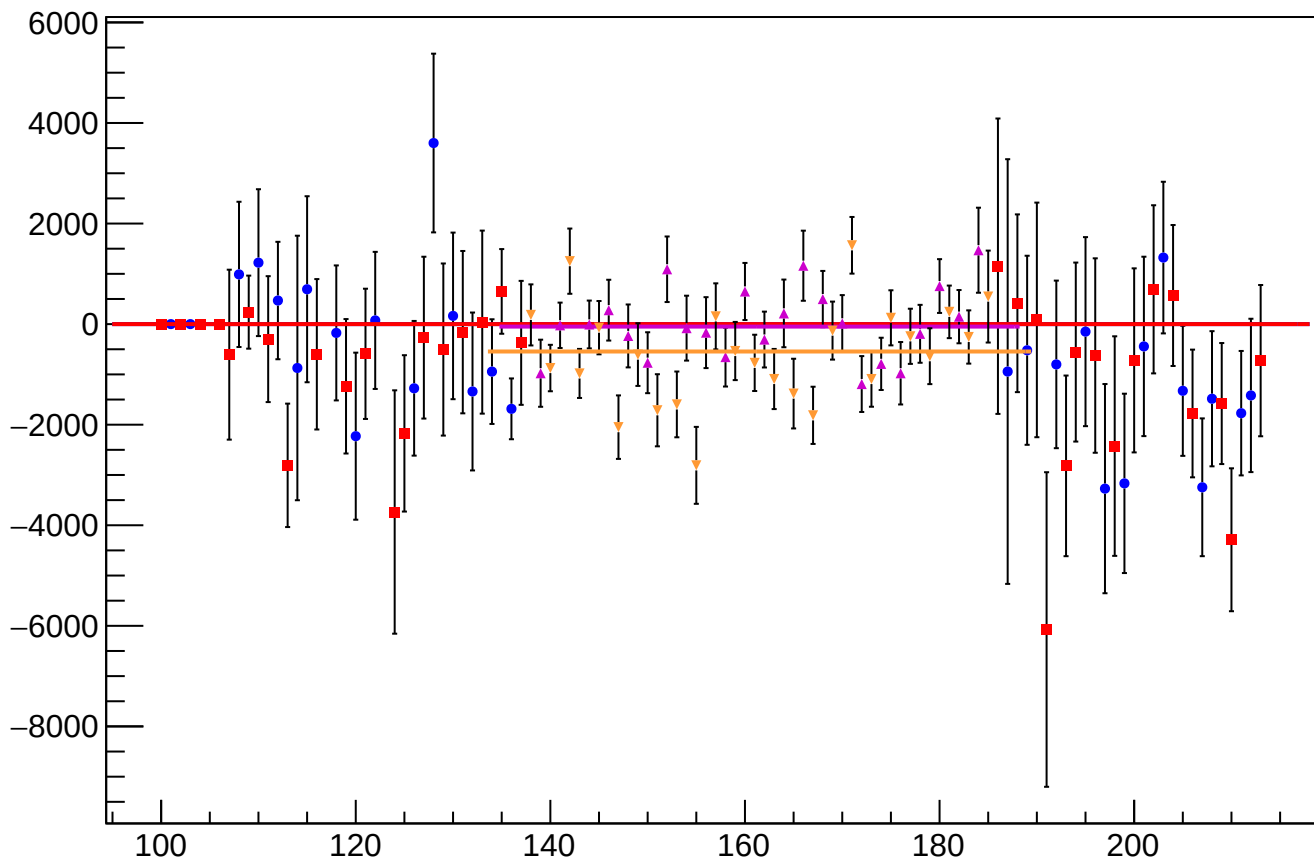
Left In: 2058.216+/-0.354 χ^2/NDF : 2293601.6/22

+ sign 1736.820+/-0.223 χ^2/NDF : 8110538.2/50

All: 1727.112+/-0.157 χ^2/NDF : 16664027.0/101

- sign 1717.552+/-0.221 χ^2/NDF : 8549725.6/51

diff_cav4bX_mean vs Slug



Right In: 0.254 ± 0.356 $\chi^2/\text{NDF}: 35.4/28$

Left Out: -544.414 ± 117.154 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 0.095 ± 0.328 $\chi^2/\text{NDF}: 36.8/33$

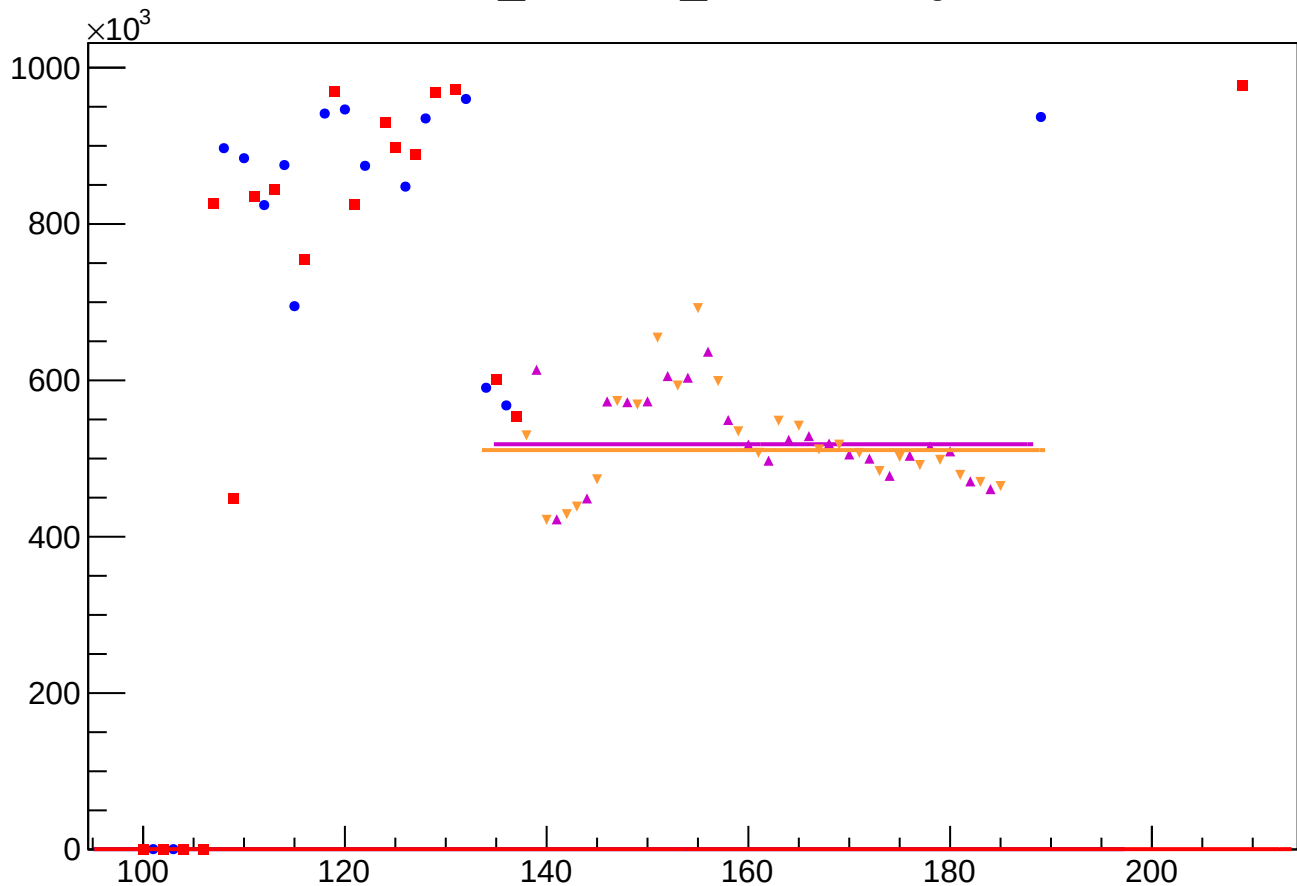
Left In: -49.119 ± 121.932 $\chi^2/\text{NDF}: 28.0/22$

+ sign 0.249 ± 0.356 $\chi^2/\text{NDF}: 117.8/53$

All: 0.166 ± 0.241 $\chi^2/\text{NDF}: 182.9/110$

- sign 0.095 ± 0.328 $\chi^2/\text{NDF}: 64.9/56$

diff_cav4bX_rms vs Slug



Right In: 398.894 ± 0.251 χ^2/NDF : 8685185.3/15

Left Out: 510811.545 ± 82.841 χ^2/NDF : 509606.7/24

Right Out: 393.242 ± 0.232 χ^2/NDF : 7684547.6/18

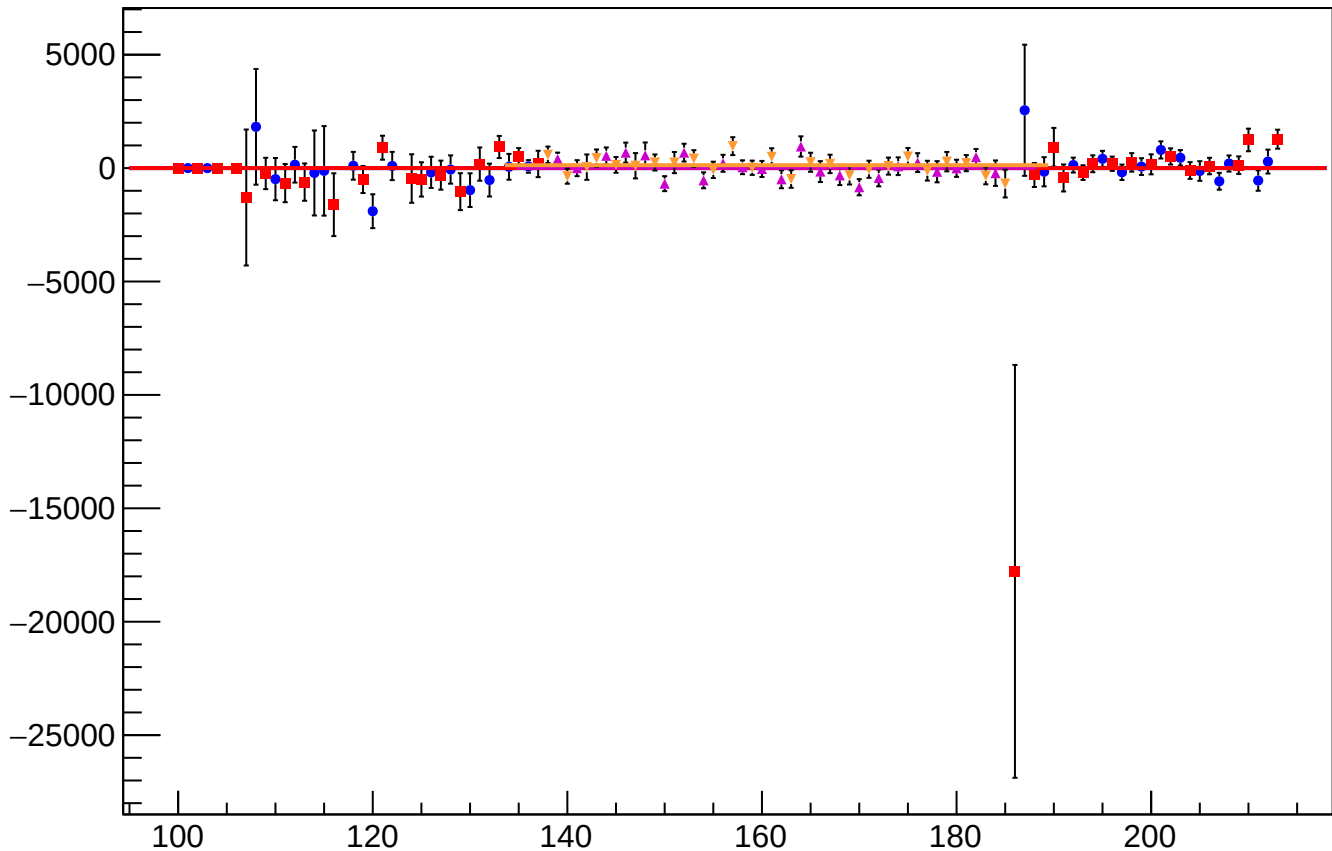
Left In: 518313.411 ± 86.219 χ^2/NDF : 399884.6/22

+ sign 403.598 ± 0.251 χ^2/NDF : 47157011.5/40

All: 400.022 ± 0.170 χ^2/NDF : 91325731.6/82

- sign 396.985 ± 0.232 χ^2/NDF : 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.020 ± 0.347 χ^2/NDF : 24.0/28

Left Out: 128.971 ± 78.249 χ^2/NDF : 20.1/24

Right Out: 0.601 ± 0.324 χ^2/NDF : 40.1/33

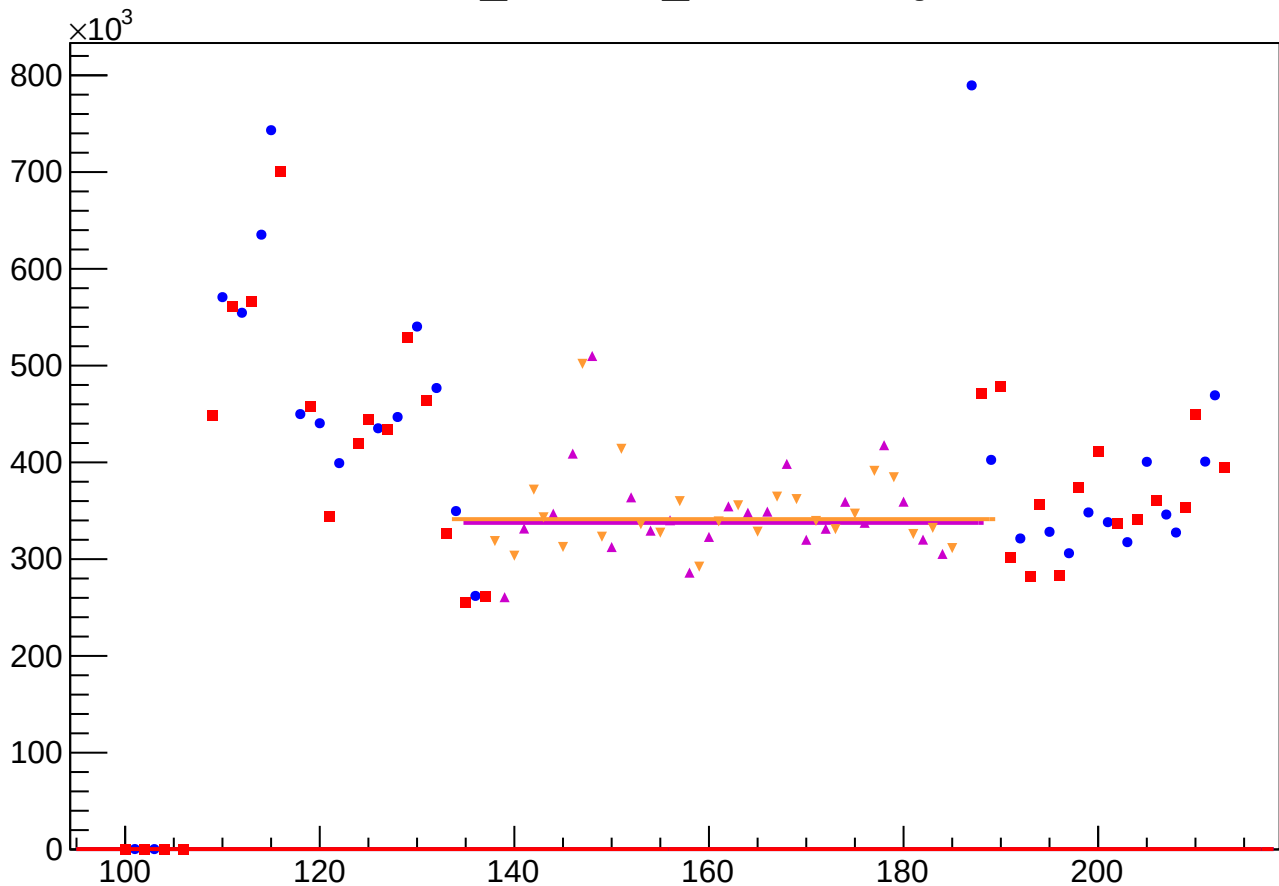
Left In: 19.324 ± 79.767 χ^2/NDF : 33.7/22

+ sign -0.017 ± 0.347 χ^2/NDF : 46.8/53

All: 0.314 ± 0.237 χ^2/NDF : 122.4/110

- sign 0.601 ± 0.324 χ^2/NDF : 73.9/56

diff_cav4bY_rms vs Slug



Right In: 393.612 ± 0.245 $\chi^2/\text{NDF}: 30536885.6/27$

Left Out: 341327.149 ± 55.330 $\chi^2/\text{NDF}: 403173.8/24$

Right Out: 391.119 ± 0.229 $\chi^2/\text{NDF}: 32630603.8/31$

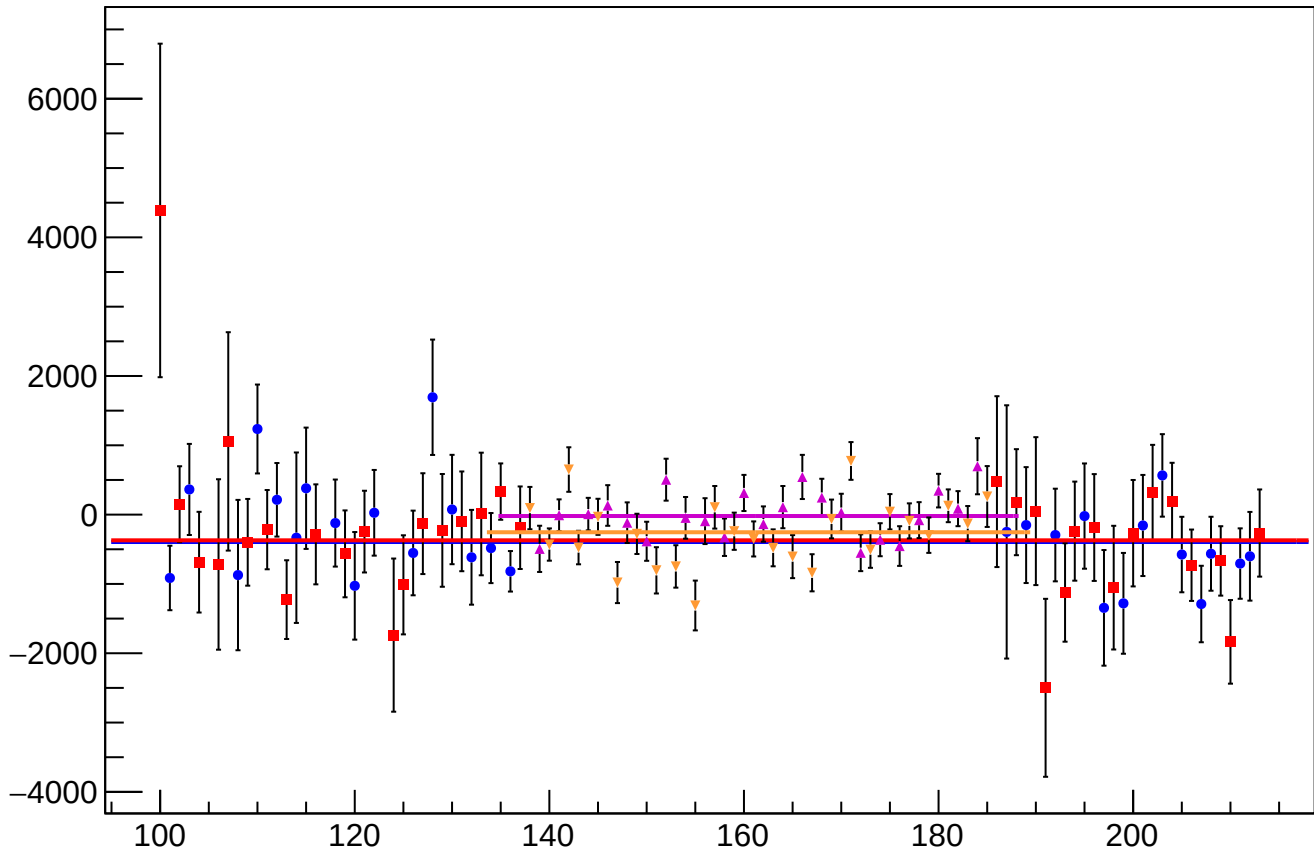
Left In: 337505.654 ± 56.407 $\chi^2/\text{NDF}: 600776.4/22$

+ sign 400.320 ± 0.245 $\chi^2/\text{NDF}: 68907053.2/52$

All: 398.370 ± 0.167 $\chi^2/\text{NDF}: 137856304.8/100$

- sign 396.673 ± 0.229 $\chi^2/\text{NDF}: 68949133.6/54$

diff_cav4cX_mean vs Slug



Right In: -395.153 ± 114.502 χ^2/NDF : 30.8/28

Left Out: -254.371 ± 55.417 χ^2/NDF : 61.3/24

Right Out: -370.791 ± 118.268 χ^2/NDF : 28.7/33

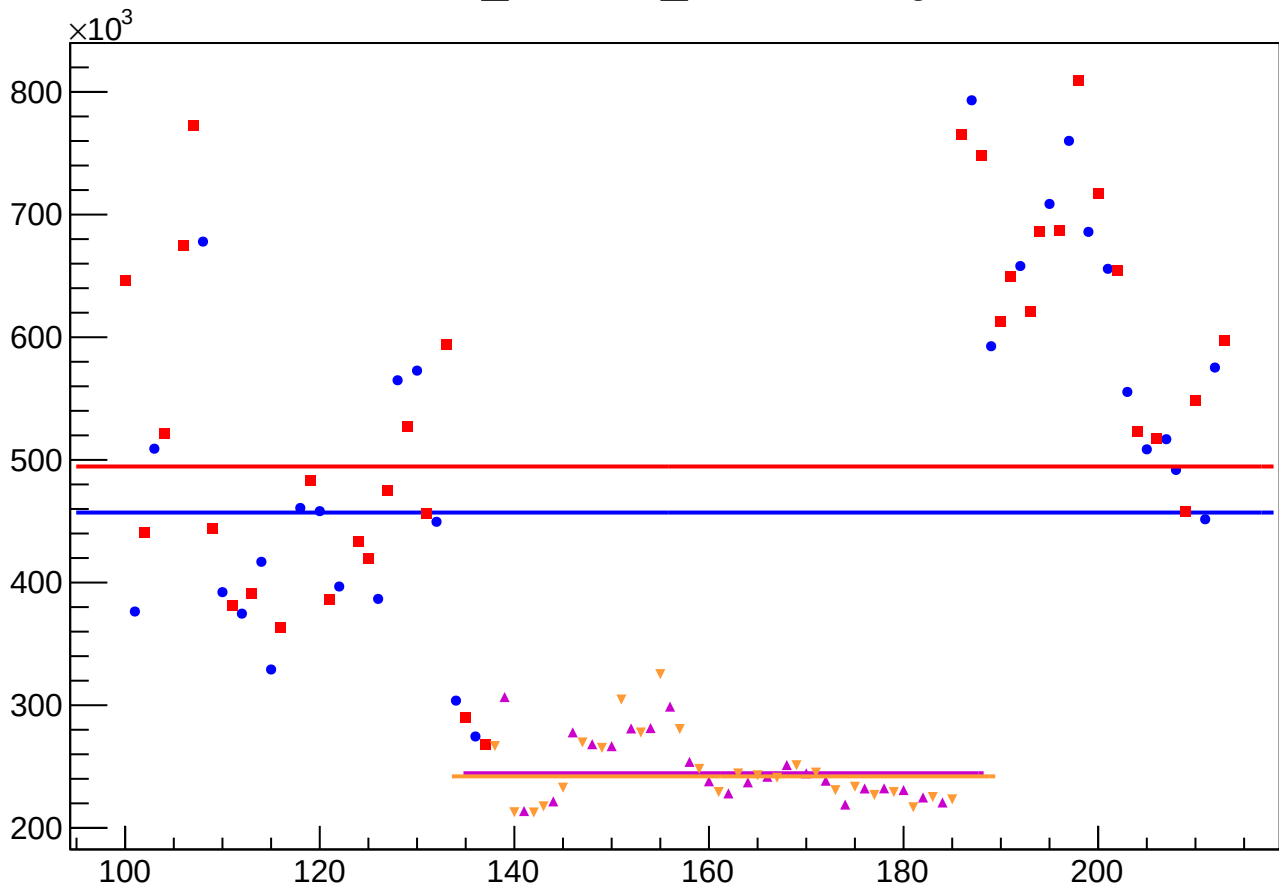
Left In: -20.176 ± 57.484 χ^2/NDF : 28.6/22

+ sign -281.090 ± 49.882 χ^2/NDF : 93.3/53

All: -187.603 ± 35.898 χ^2/NDF : 165.0/110

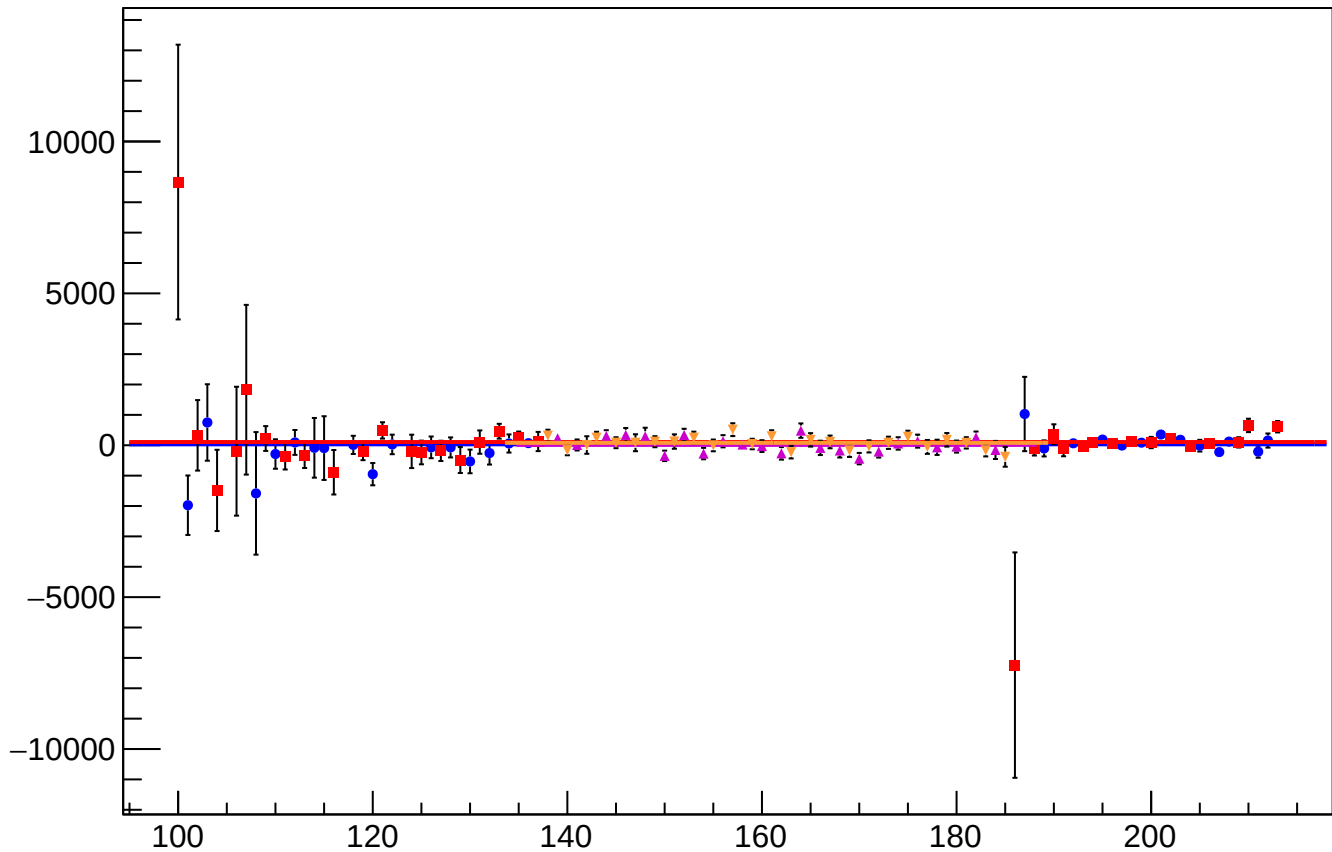
- sign -87.177 ± 51.700 χ^2/NDF : 64.4/56

diff_cav4cX_rms vs Slug



Right In: 457077.773 $\pm$ 80.979	χ^2 /NDF: 2658406.9/28	+ sign 282814.789 $\pm$ 35.273	χ^2 /NDF: 8786939.9/53
Left Out: 242008.749 $\pm$ 39.186	χ^2 /NDF: 413236.1/24	All: 287364.458 $\pm$ 25.386	χ^2 /NDF: 18987223
Right Out: 494623.276 $\pm$ 83.714	χ^2 /NDF: 2582623.7/33	- sign 292253.417 $\pm$ 36.565	χ^2 /NDF: 10165769.0/5
Left In: 244542.686 $\pm$ 40.647	χ^2 /NDF: 361527.4/22		

diff_cav4cY_mean vs Slug



Right In: 31.263+/-41.451 χ^2/NDF : 27.9/28

Left Out: 79.495+/-41.301 χ^2/NDF : 19.7/24

Right Out: 106.124+/-40.347 χ^2/NDF : 41.9/33

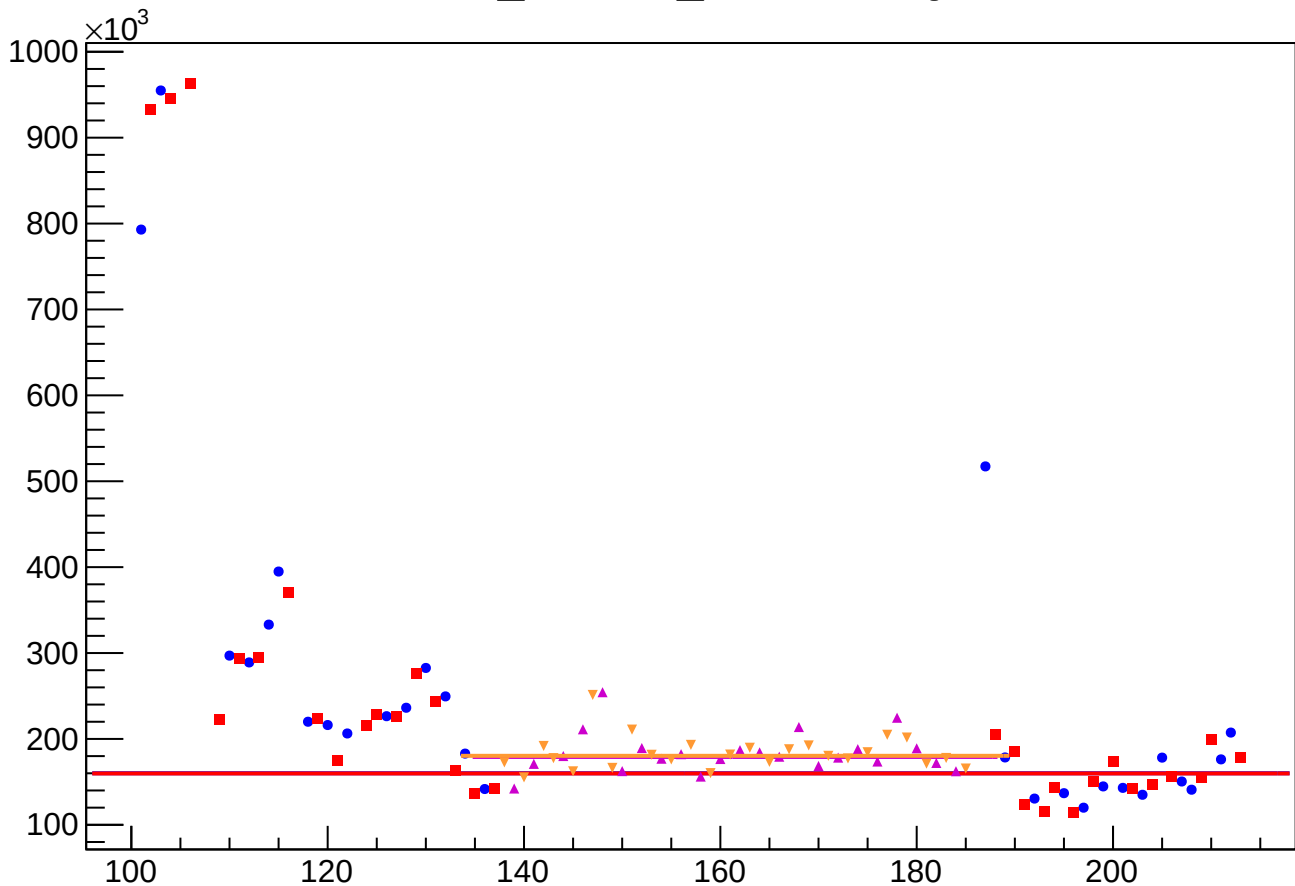
Left In: 14.032+/-42.233 χ^2/NDF : 33.2/22

+ sign 55.467+/-29.257 χ^2/NDF : 48.3/53

All: 58.833+/-20.658 χ^2/NDF : 125.8/110

- sign 62.180+/-29.174 χ^2/NDF : 77.5/56

diff_cav4cY_rms vs Slug



Right In: 160037.890+/-29.322

χ^2/NDF : 3358819.4/27

Left Out: 180342.867+/-29.204

χ^2/NDF : 346596.9/24

Right Out: 159793.592+/-28.546

χ^2/NDF : 3359986.7/30

Left In: 179024.195+/-29.863

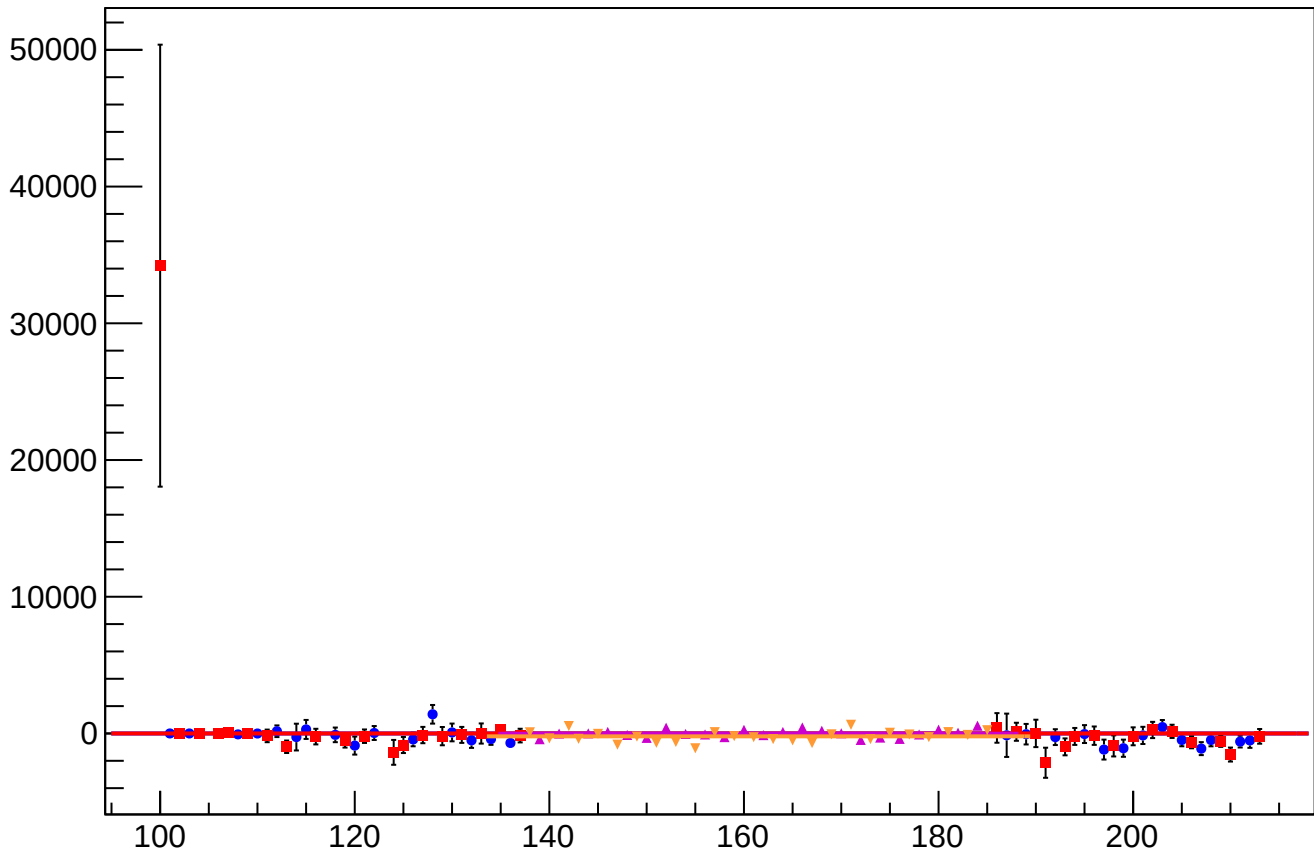
χ^2/NDF : 501400.7/22

+ sign 170231.202+/-20.692 χ^2/NDF : 3946152.4/52

All: 169601.609+/-14.611 χ^2/NDF : 8026069.8/100

- sign 168975.456+/-20.635 χ^2/NDF : 4078070.8/53

diff_cav4dX_mean vs Slug



Right In: -0.036 ± 0.172 χ^2/NDF : 35.2/28

Left Out: -210.198 ± 46.290 χ^2/NDF : 61.2/24

Right Out: -0.356 ± 0.160 χ^2/NDF : 38.0/33

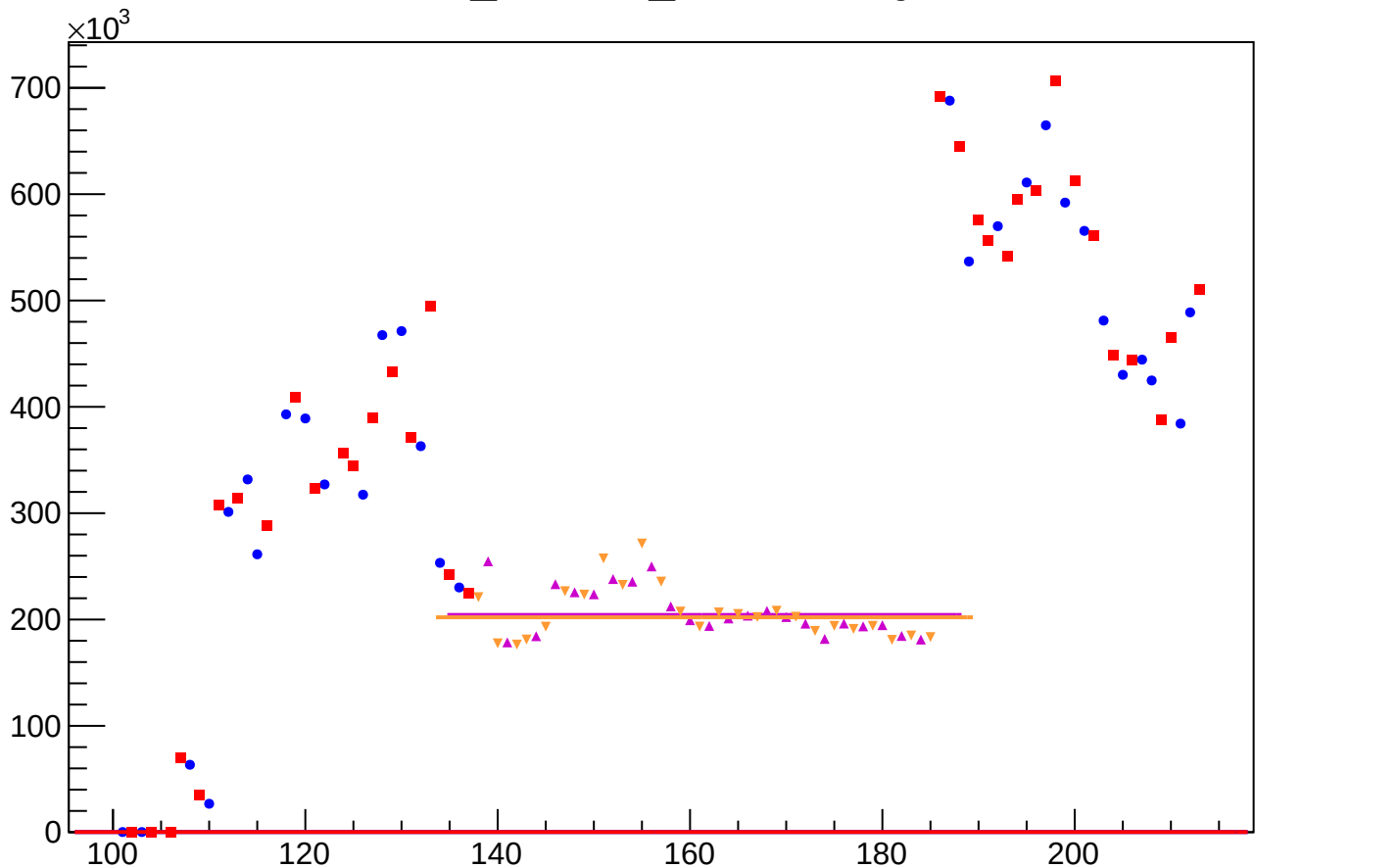
Left In: -21.095 ± 48.037 χ^2/NDF : 28.6/22

+ sign -0.039 ± 0.172 χ^2/NDF : 117.0/53

All: -0.209 ± 0.117 χ^2/NDF : 185.6/110

- sign -0.356 ± 0.160 χ^2/NDF : 66.8/56

diff_cav4dX_rms vs Slug



Right In: 149.687 ± 0.122 χ^2/NDF : 31575624.6/28

+ sign 152.484 ± 0.122 χ^2/NDF : 70071273.9/53

Left Out: 202085.802 ± 32.732 χ^2/NDF : 434069.3/24

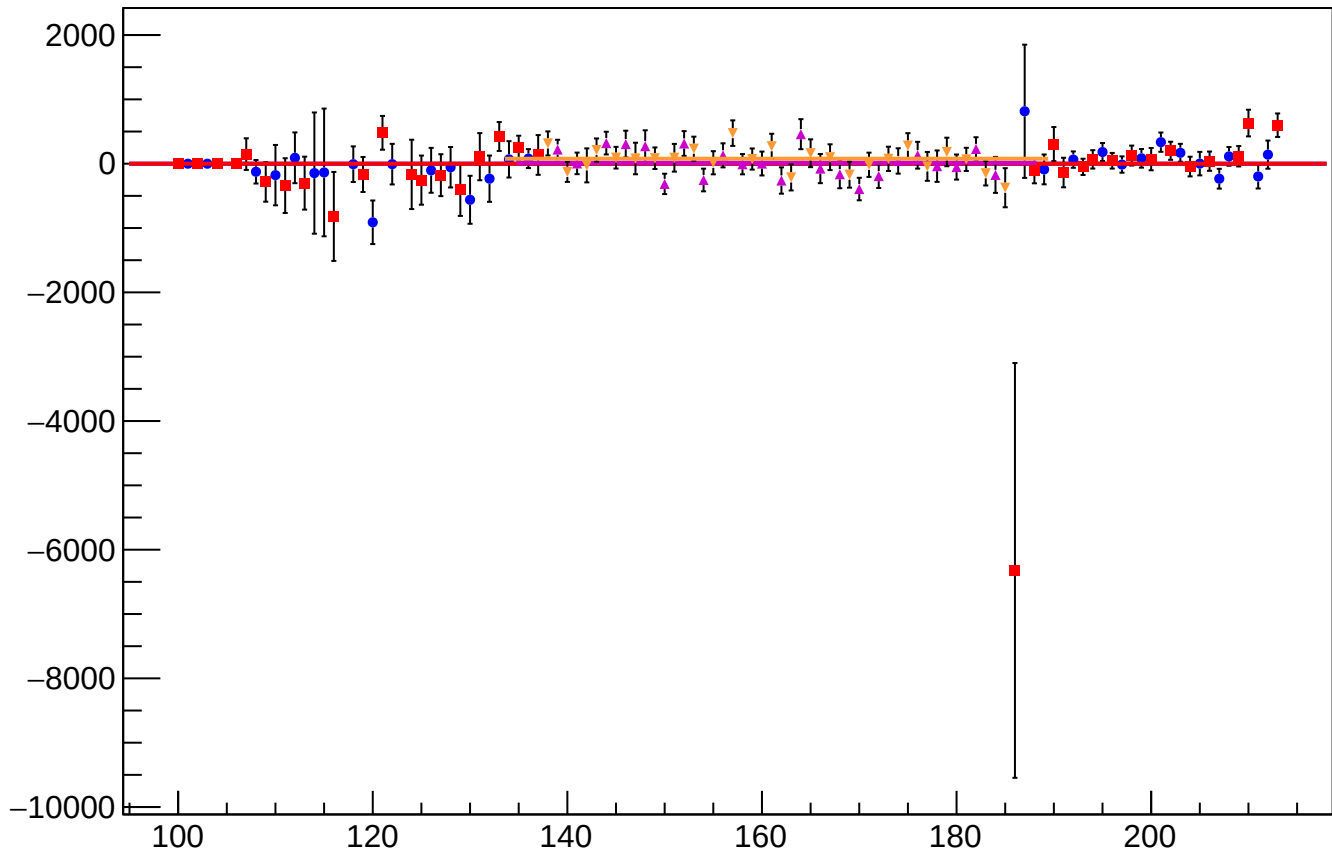
Right Out: 149.930 ± 0.113 χ^2/NDF : 34250231.9/32

All: 152.331 ± 0.083 χ^2/NDF : 140824095.2/100

- sign 152.199 ± 0.113 χ^2/NDF : 70752818.4/55

Left In: 204310.238 ± 33.967 χ^2/NDF : 377332.3/22

diff_cav4dY_mean vs Slug



Right In: -0.067 ± 0.177 χ^2/NDF : 25.2/28

Left Out: 77.572 ± 38.921 χ^2/NDF : 19.1/24

Right Out: 0.128 ± 0.166 χ^2/NDF : 45.1/33

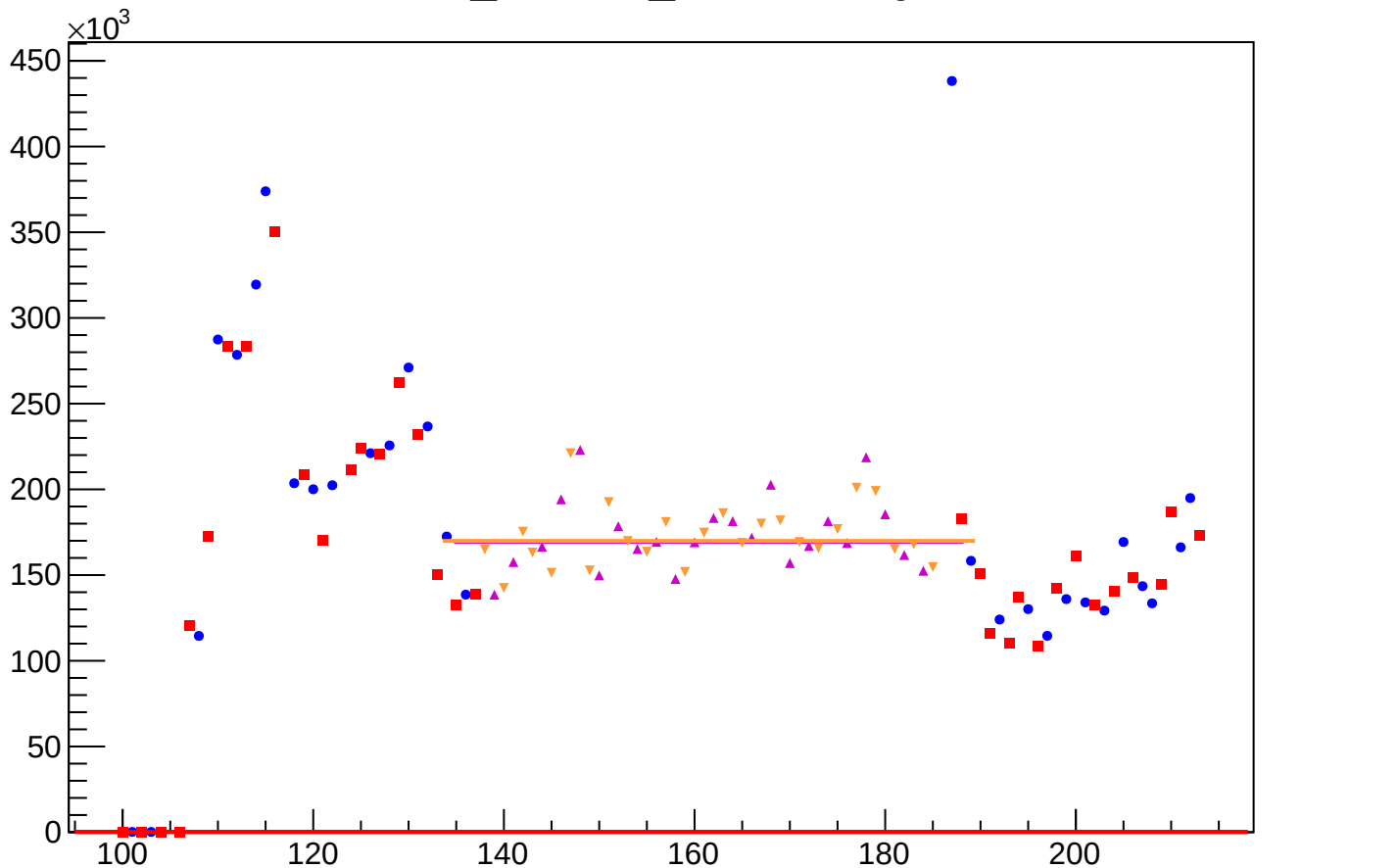
Left In: 13.457 ± 39.929 χ^2/NDF : 32.7/22

+ sign -0.065 ± 0.177 χ^2/NDF : 48.2/53

All: 0.037 ± 0.121 χ^2/NDF : 126.8/110

- sign 0.128 ± 0.166 χ^2/NDF : 77.9/56

diff_cav4dY_rms vs Slug



Right In: 155.661 $\pm$ 0.125 χ^2 /NDF: 31805391.6/28

Left Out: 169916.225 $\pm$ 27.521 χ^2 /NDF:363966.0/24

Right Out: 158.265 $\pm$ 0.118 χ^2 /NDF: 33119016.8/32

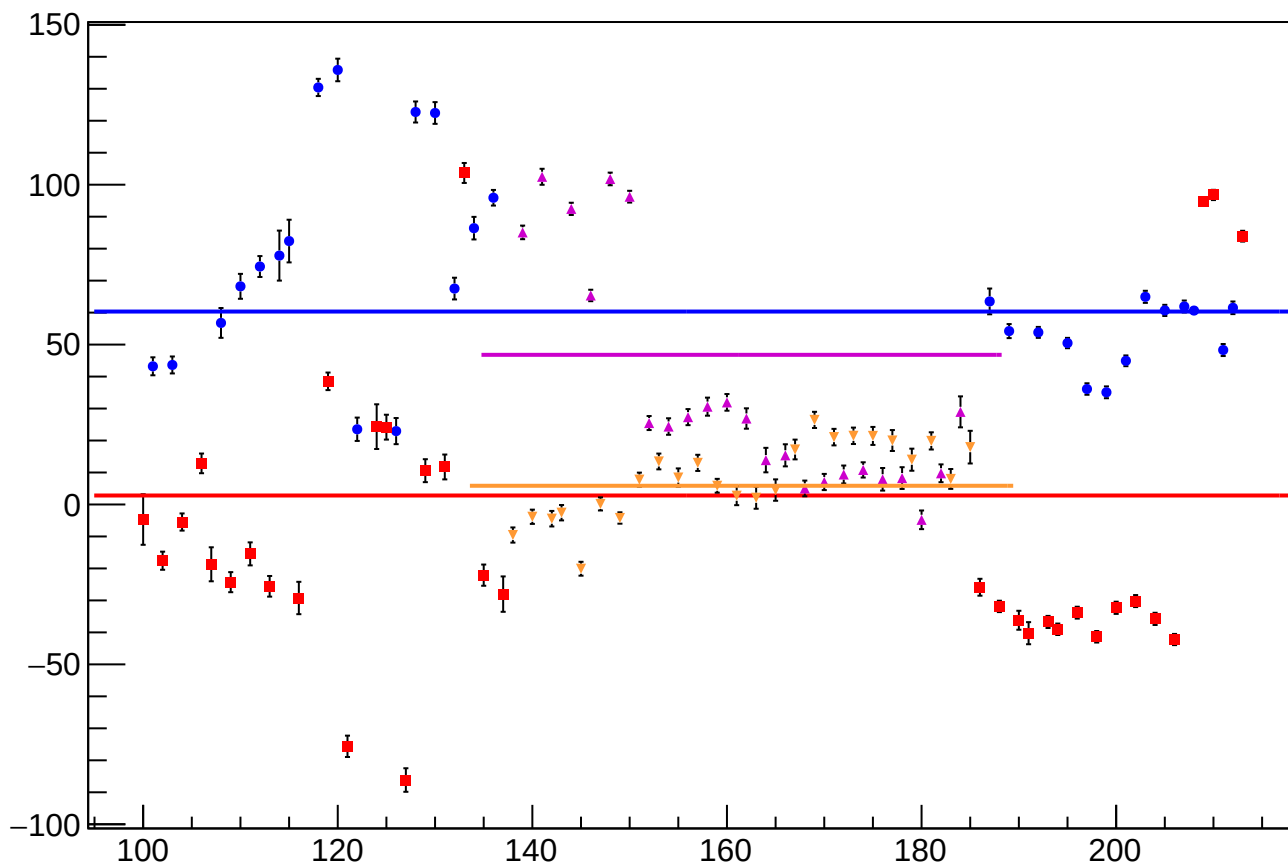
Left In: 169352.083 $\pm$ 28.234 χ^2 /NDF:474852.1/22

+ sign 159.181 $\pm$ 0.125 χ^2 /NDF: 70216533.8/53

All: 160.257 $\pm$ 0.086 χ^2 /NDF: 139719808.9/100

- sign 161.206 $\pm$ 0.118 χ^2 /NDF: 69503136.4/55

diff_bpm0i01X_mean vs Slug



Right In: 60.333+/-0.440 χ^2/NDF : 2959.0/28

Left Out: 5.852+/-0.514 χ^2/NDF : 535.3/24

Right Out: 2.809+/-0.412 χ^2/NDF : 18669.1/33

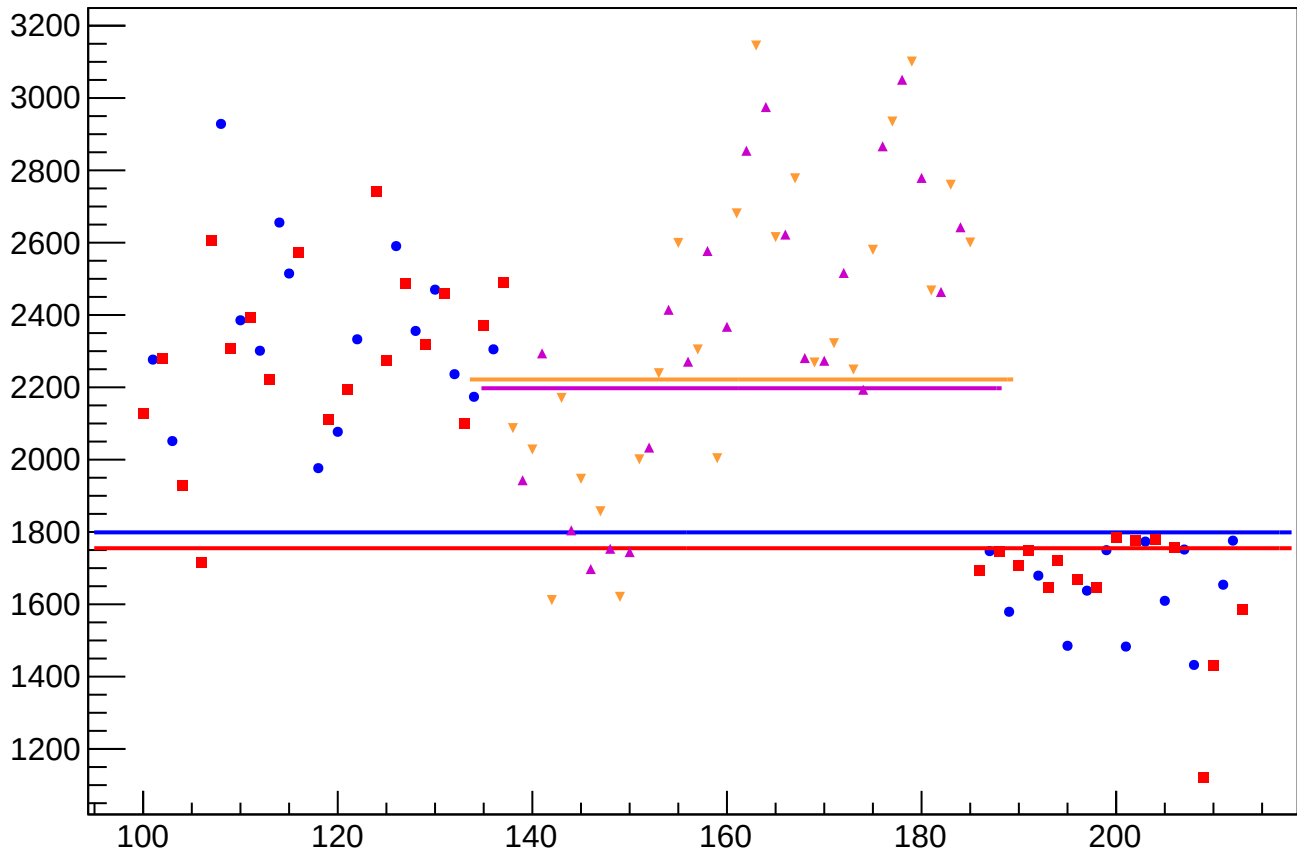
Left In: 46.796+/-0.524 χ^2/NDF : 5175.4/22

+ sign 37.271+/-0.334 χ^2/NDF : 9973.8/53

All: 28.145+/-0.233 χ^2/NDF : 39613.0/110

- sign 19.584+/-0.324 χ^2/NDF : 28195.9/56

diff_bpm0i01X_rms vs Slug



Right In: 1798.897 ± 0.311 $\chi^2/\text{NDF}: 1086211.6/28$

Left Out: 2221.771 ± 0.363 $\chi^2/\text{NDF}: 1184043.2/24$

Right Out: 1755.085 ± 0.291 $\chi^2/\text{NDF}: 1477326.2/33$

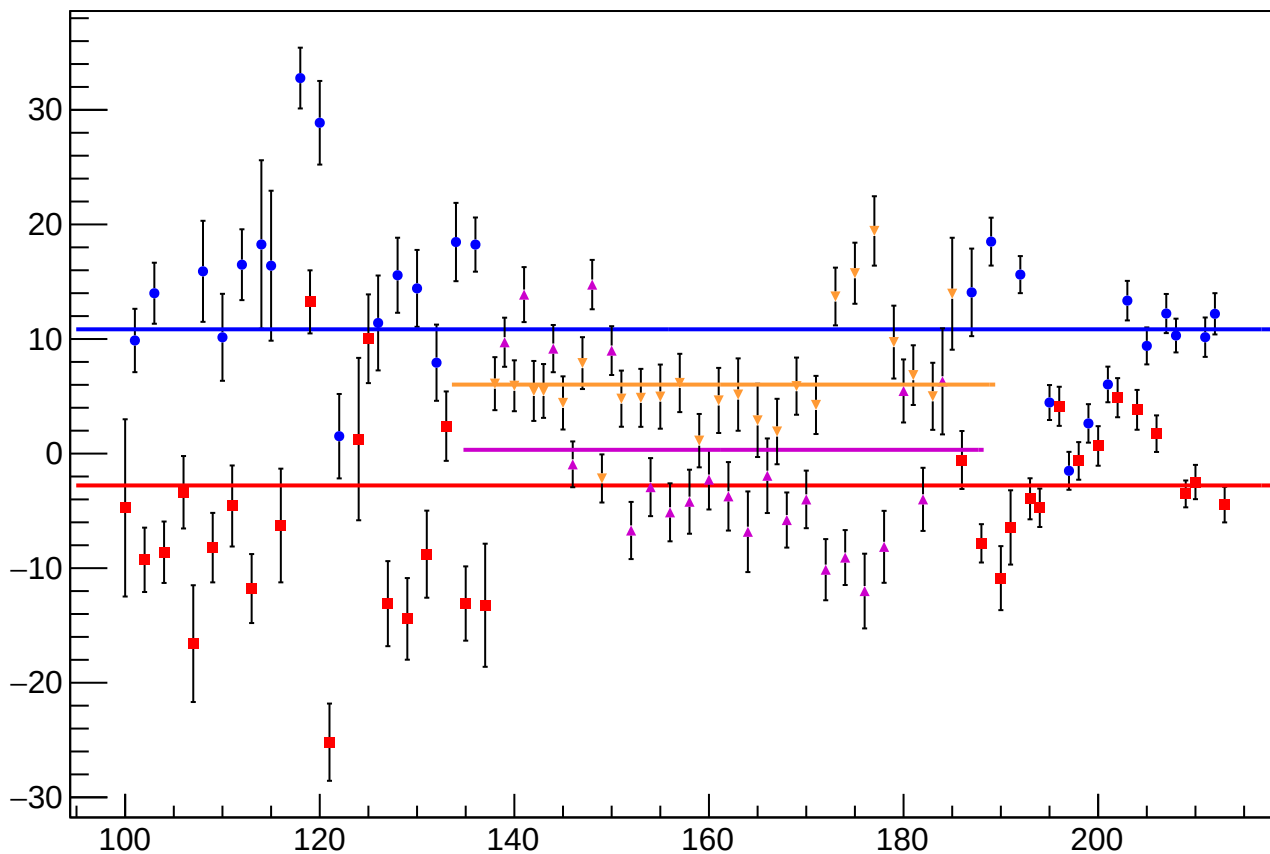
Left In: 2197.471 ± 0.371 $\chi^2/\text{NDF}: 1104663.4/22$

+ sign 1977.903 ± 0.236 $\chi^2/\text{NDF}: 3050983.9/53$

All: 1949.984 ± 0.165 $\chi^2/\text{NDF}: 6540248.6/11$

- sign 1923.793 ± 0.229 $\chi^2/\text{NDF}: 3462246.6/56$

diff_bpm0i01Y_mean vs Slug



Right In: 10.847 ± 0.414 χ^2/NDF : 259.7/28

Left Out: 6.022 ± 0.521 χ^2/NDF : 71.8/24

Right Out: -2.780 ± 0.388 χ^2/NDF : 245.0/33

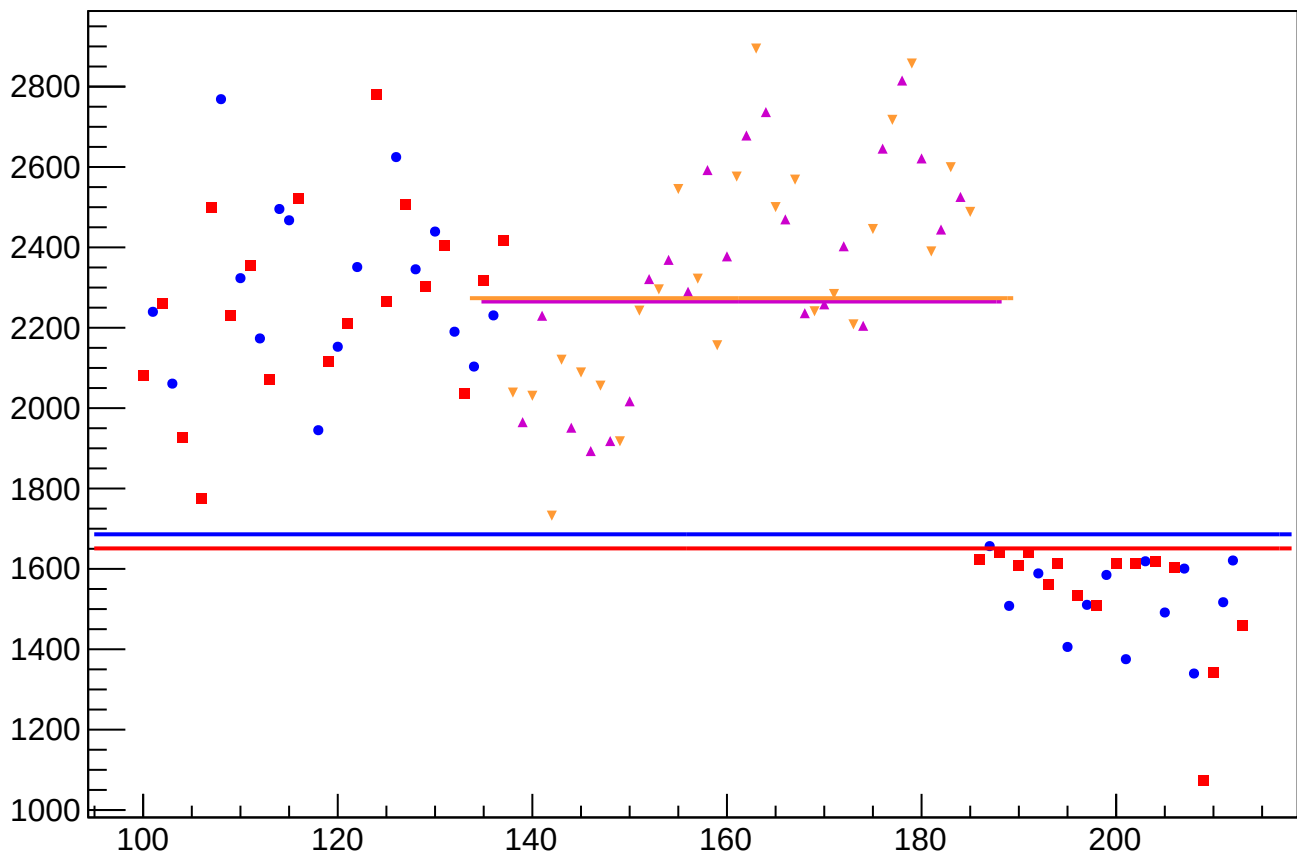
Left In: 0.329 ± 0.535 χ^2/NDF : 224.9/22

+ sign 8.979 ± 0.324 χ^2/NDF : 384.1/53

All: 3.470 ± 0.226 χ^2/NDF : 1436.8/110

- sign -1.707 ± 0.314 χ^2/NDF : 492.0/56

diff_bpm0i01Y_rms vs Slug



Right In: 1686.046 $\pm$ 0.293 χ^2 /NDF: 1351518.3/28

Left Out: 2273.612 $\pm$ 0.368 χ^2 /NDF: 536838.6/24

Right Out: 1650.970 $\pm$ 0.274 χ^2 /NDF: 1692338.1/33

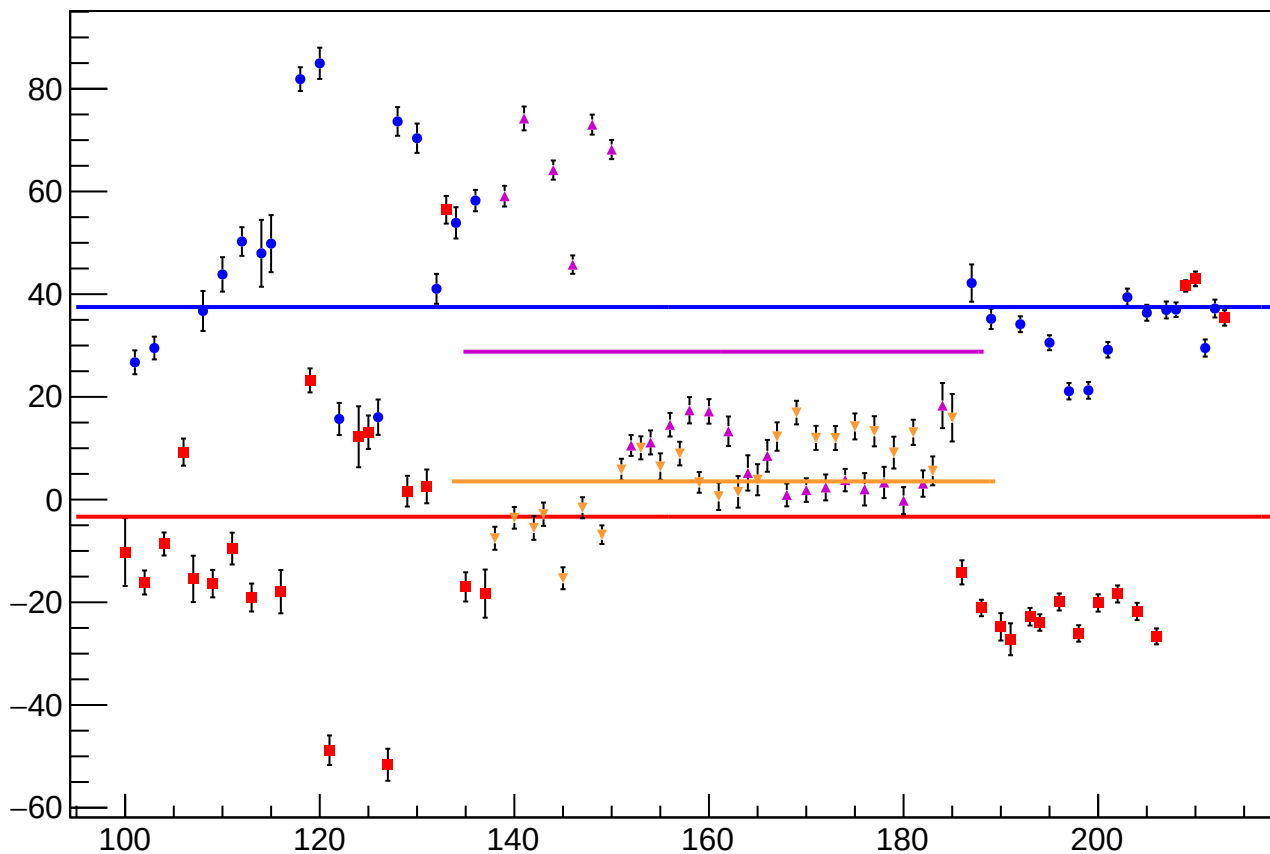
Left In: 2265.257 $\pm$ 0.378 χ^2 /NDF: 495816.5/22

+ sign 1913.460 $\pm$ 0.229 χ^2 /NDF: 3448592.2/53

All: 1887.477 $\pm$ 0.159 χ^2 /NDF: 7390799.8/11

- sign 1863.059 $\pm$ 0.222 χ^2 /NDF: 3917260.9/56

diff_bpm0i01aX_mean vs Slug



Right In: 37.494 ± 0.387 χ^2/NDF : 1481.5/28

Left Out: 3.544 ± 0.480 χ^2/NDF : 319.8/24

Right Out: -3.332 ± 0.363 χ^2/NDF : 6055.8/33

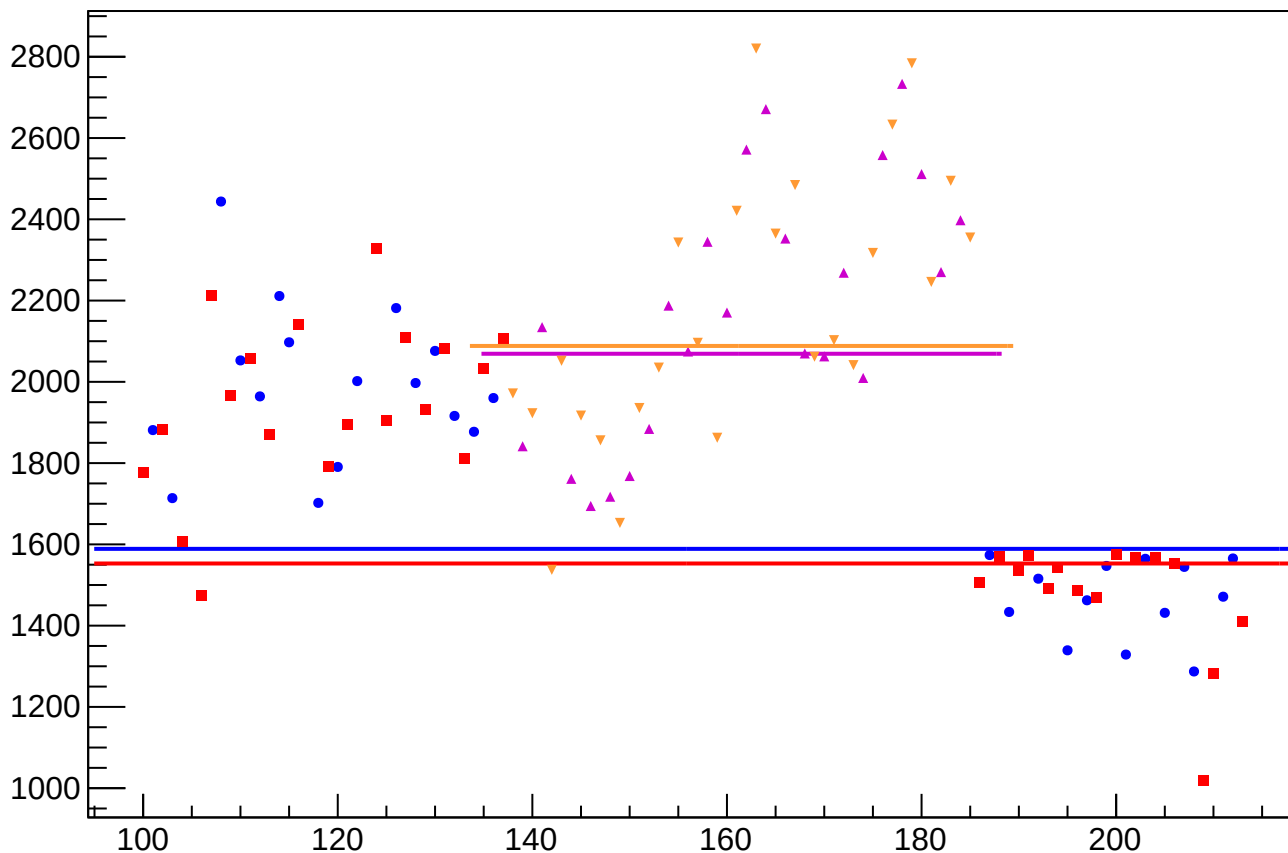
Left In: 28.804 ± 0.491 χ^2/NDF : 3262.5/22

+ sign 24.122 ± 0.301 χ^2/NDF : 4830.1/53

All: 15.806 ± 0.210 χ^2/NDF : 18395.0/110

- sign 8.017 ± 0.292 χ^2/NDF : 12090.9/56

diff_bpm0i01aX_rms vs Slug



Right In: 1588.967+/-0.274 χ^2/NDF : 832193.8/28

Left Out: 2088.353+/-0.340 χ^2/NDF : 787429.8/24

Right Out: 1552.950+/-0.256 χ^2/NDF : 1175985.0/33

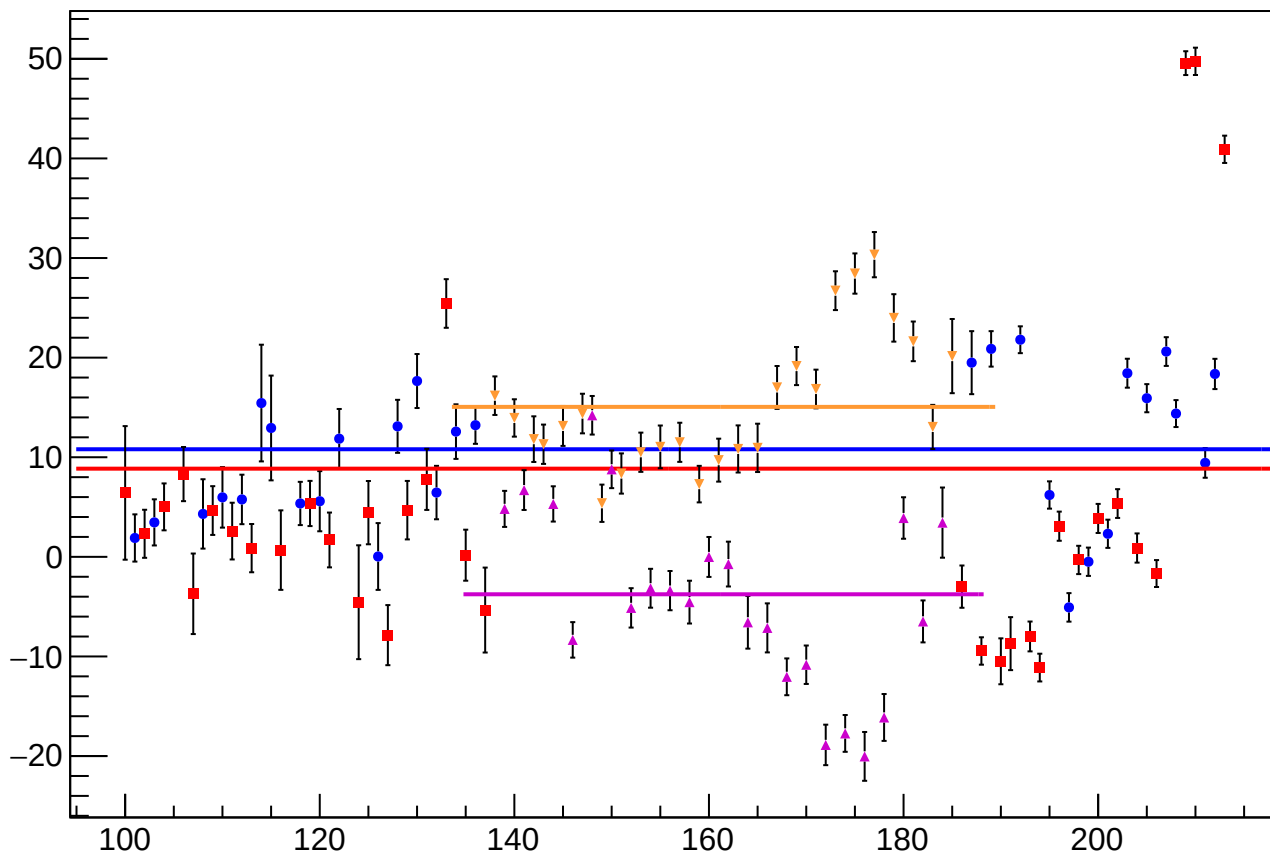
Left In: 2069.116+/-0.347 χ^2/NDF : 711501.5/22

+ sign 1785.671+/-0.213 χ^2/NDF : 2930234.5/53

All: 1759.630+/-0.148 χ^2/NDF : 6277143.7/11

- sign 1735.241+/-0.206 χ^2/NDF : 3318000.2/56

diff_bpm0i01aY_mean vs Slug



Right In: 10.802 ± 0.353 $\chi^2/\text{NDF}: 525.7/28$

Left Out: 15.056 ± 0.416 $\chi^2/\text{NDF}: 246.2/24$

Right Out: 8.853 ± 0.334 $\chi^2/\text{NDF}: 3575.9/33$

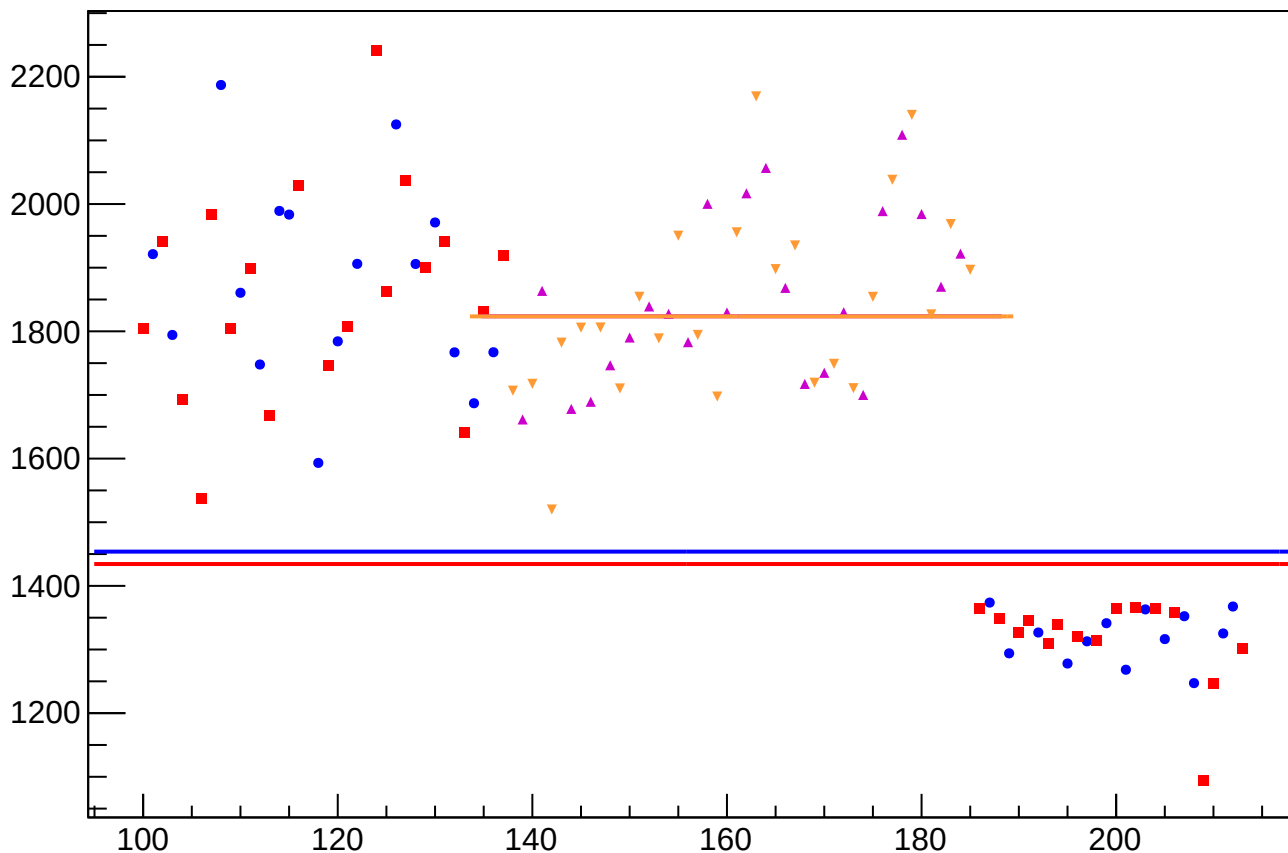
Left In: -3.758 ± 0.428 $\chi^2/\text{NDF}: 459.1/22$

+ sign 12.587 ± 0.269 $\chi^2/\text{NDF}: 832.7/53$

All: 8.237 ± 0.188 $\chi^2/\text{NDF}: 5918.3/110$

- sign 4.086 ± 0.263 $\chi^2/\text{NDF}: 4575.4/56$

diff_bpm0i01aY_rms vs Slug



Right In: 1453.827 $\pm$ 0.250 χ^2 /NDF: 936058.4/28

Left Out: 1823.452 $\pm$ 0.294 χ^2 /NDF: 211274.0/24

Right Out: 1434.337 $\pm$ 0.236 χ^2 /NDF: 1048355.8/33

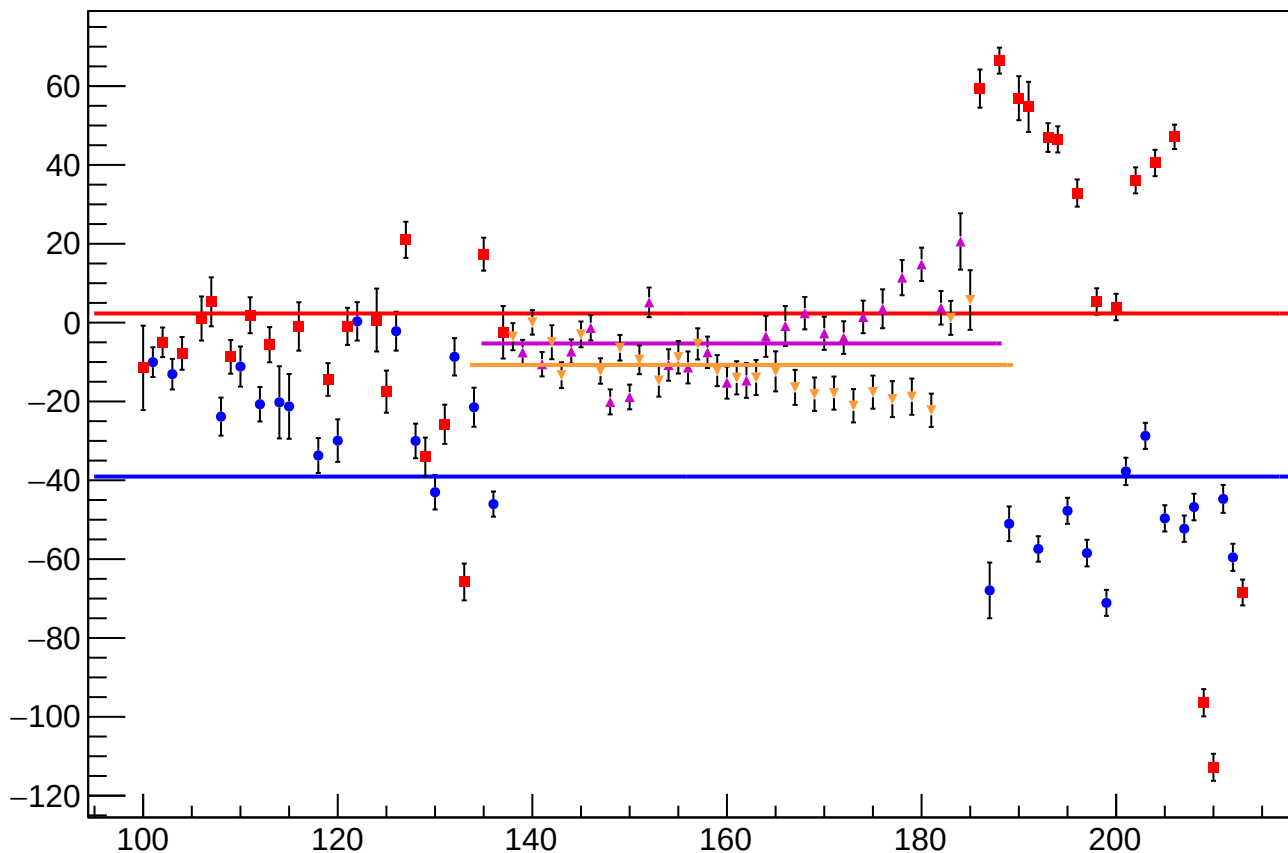
Left In: 1823.627 $\pm$ 0.303 χ^2 /NDF: 163768.2/22

+ sign 1608.910 $\pm$ 0.190 χ^2 /NDF: 2065175.4/53

All: 1594.889 $\pm$ 0.133 χ^2 /NDF: 4317834.2/11

- sign 1581.508 $\pm$ 0.186 χ^2 /NDF: 2242060.1/56

diff_bpm0l01X_mean vs Slug



Right In: -39.055 ± 0.746 χ^2/NDF : 629.5/28

Left Out: -10.732 ± 0.794 χ^2/NDF : 73.8/24

Right Out: 2.319 ± 0.716 χ^2/NDF : 4326.2/33

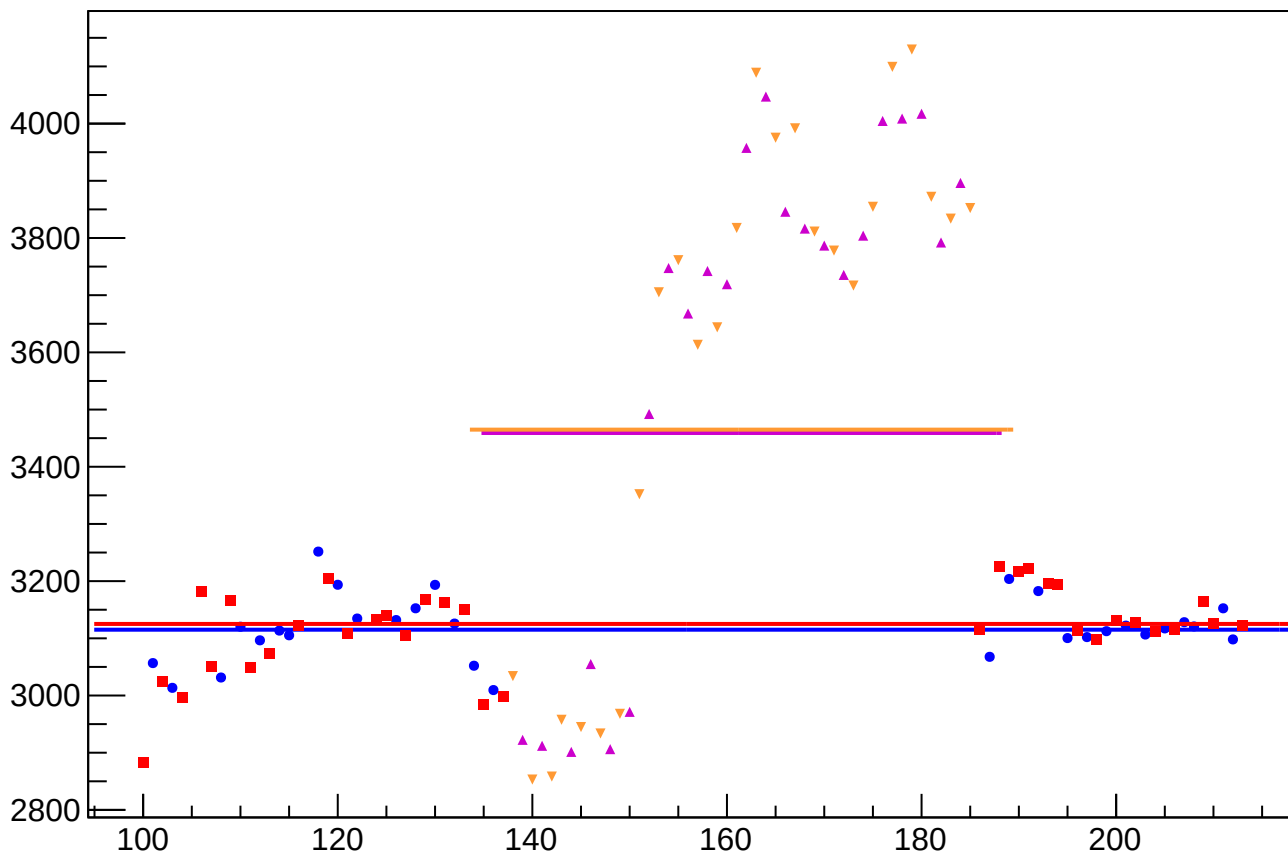
Left In: -5.291 ± 0.814 χ^2/NDF : 133.6/22

+ sign -25.779 ± 0.543 χ^2/NDF : 1379.5/53

All: -13.252 ± 0.382 χ^2/NDF : 6939.6/110

- sign -0.997 ± 0.538 χ^2/NDF : 4509.1/56

diff_bpm0l01X_rms vs Slug



Right In: 3115.084+/-0.527 χ^2/NDF : 10374.5/28

Left Out: 3464.906+/-0.561 χ^2/NDF : 644023.5/24

Right Out: 3125.157+/-0.506 χ^2/NDF : 14953.7/33

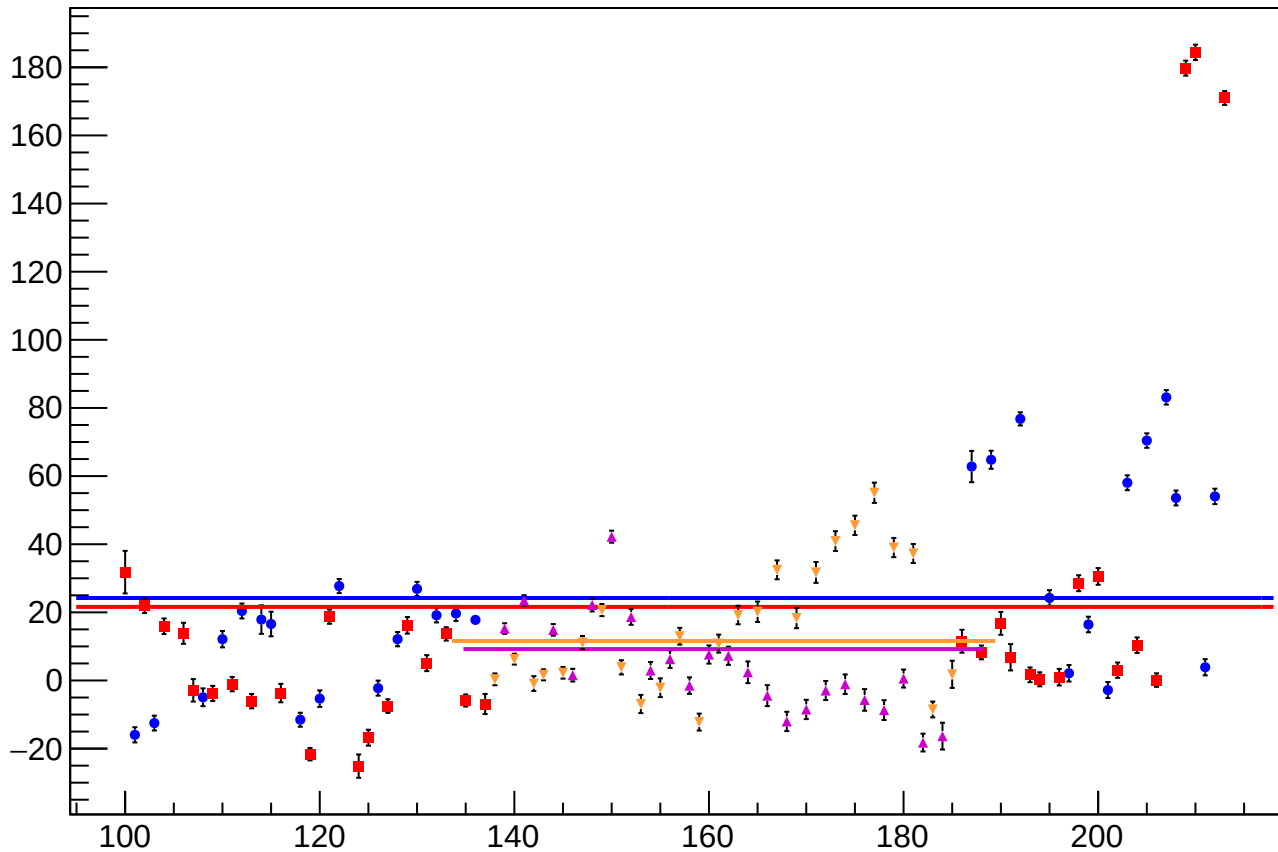
Left In: 3459.050+/-0.576 χ^2/NDF : 583309.1/22

+ sign 3279.062+/-0.384 χ^2/NDF : 860739.9/53

All: 3274.820+/-0.270 χ^2/NDF : 1648956.1/11

- sign 3270.670+/-0.380 χ^2/NDF : 787975.1/56

diff_bpm0l01Y_mean vs Slug



Right In: 24.214 $\pm$ 0.414 χ^2 /NDF: 4601.9/28

Left Out: 11.599 $\pm$ 0.463 χ^2 /NDF:1196.9/24

Right Out: 21.603 $\pm$ 0.400 χ^2 /NDF: 18482.9/33

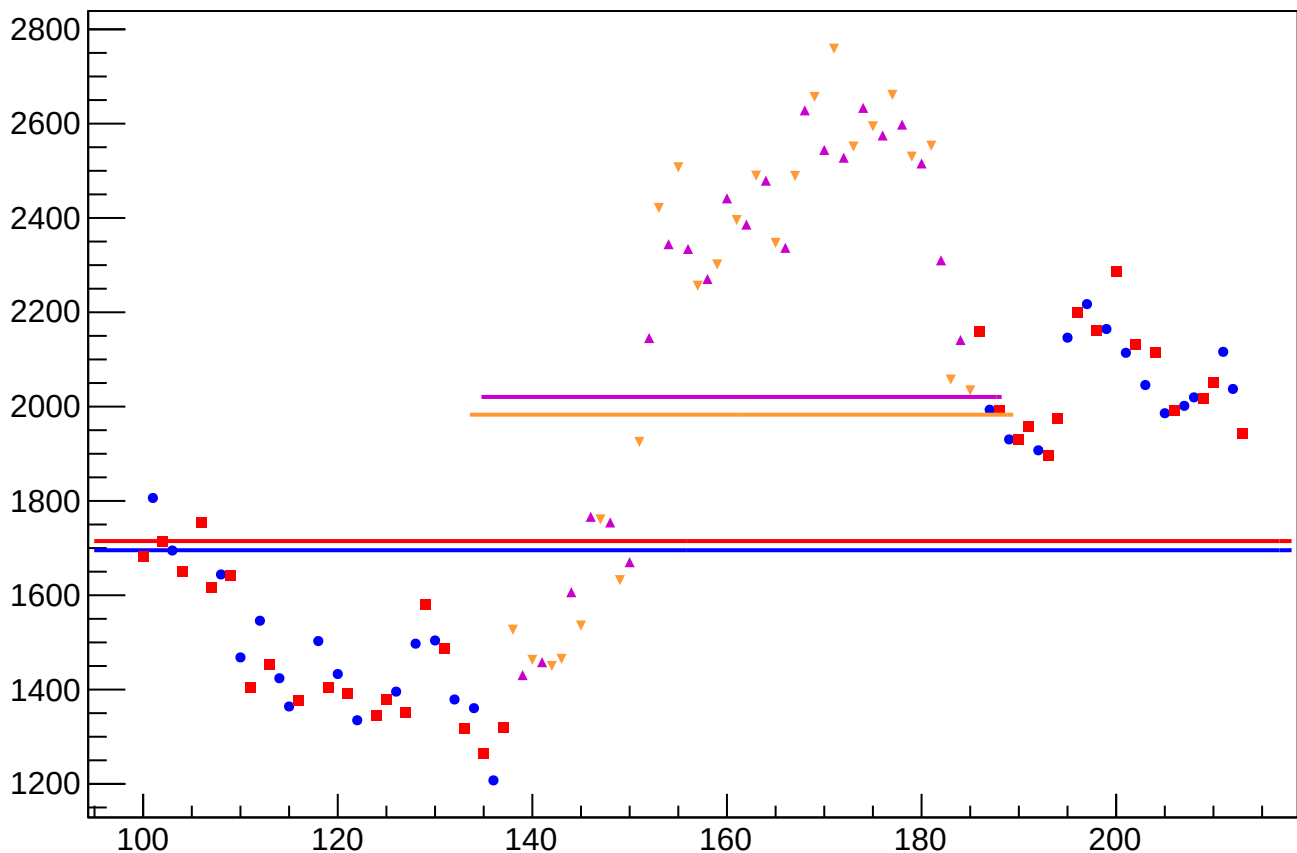
Left In: 9.213 $\pm$ 0.484 χ^2 /NDF:940.6/22

+ sign 18.614 $\pm$ 0.309 χ^2 /NDF: 6210.9/53

All: 17.591 $\pm$ 0.218 χ^2 /NDF: 26045.9/110

- sign 16.570 $\pm$ 0.308 χ^2 /NDF: 19813.0/56

diff_bpm0l01Y_rms vs Slug



Right In: 1695.462 $\pm$ 0.293 χ^2 /NDF: 1258666.4/28

Left Out: 1982.871 $\pm$ 0.328 χ^2 /NDF:1977669.4/24

Right Out: 1714.906 $\pm$ 0.283 χ^2 /NDF: 1289629.5/33

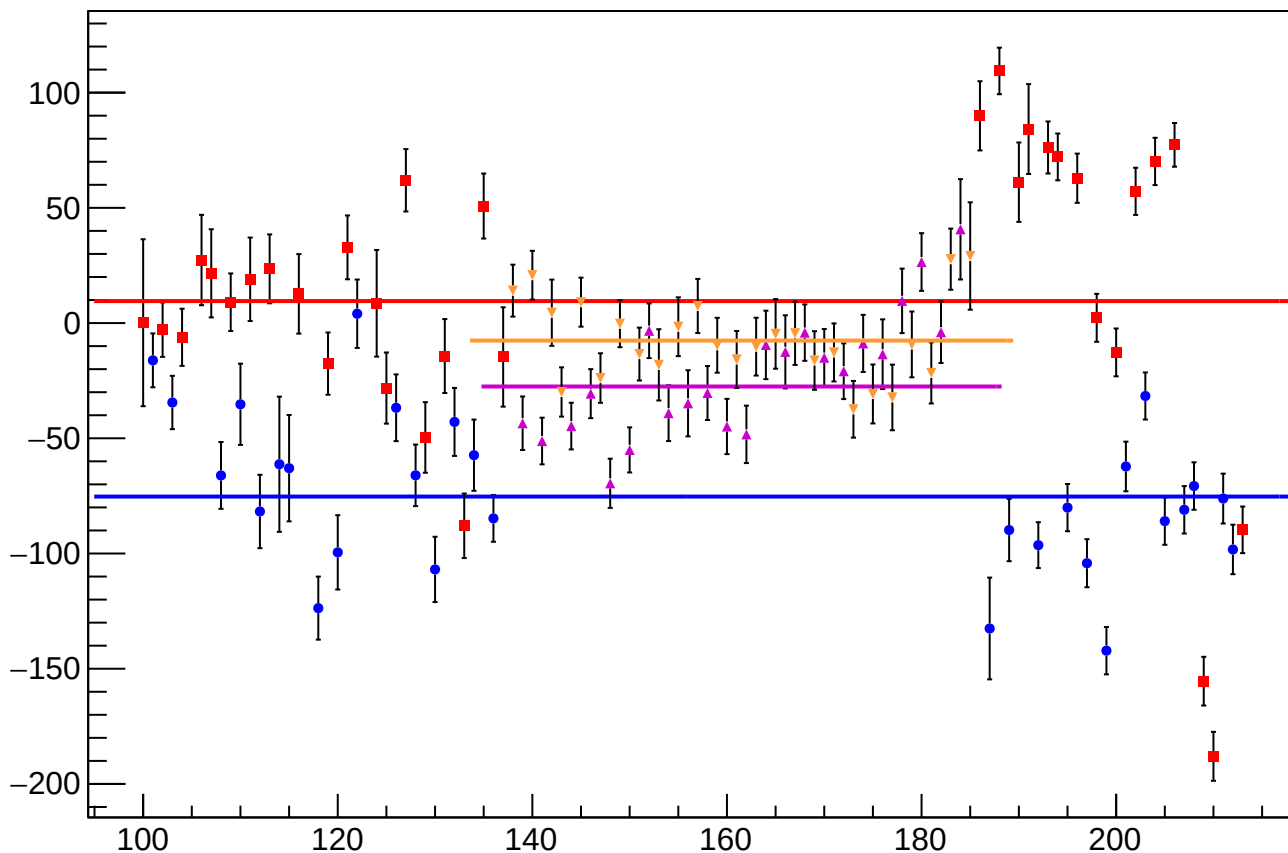
Left In: 2020.468 $\pm$ 0.342 χ^2 /NDF:1614691.2/22

+ sign 1823.056 $\pm$ 0.218 χ^2 /NDF: 3664100.8/53

All: 1831.053 $\pm$ 0.154 χ^2 /NDF: 7044809.4/11

- sign 1839.028 $\pm$ 0.218 χ^2 /NDF: 3378029.3/56

diff_bpm0l02X_mean vs Slug



Right In: -75.285 ± 2.313 $\chi^2/\text{NDF}: 195.7/28$

Left Out: -7.594 ± 2.495 $\chi^2/\text{NDF}: 47.9/24$

Right Out: 9.547 ± 2.222 $\chi^2/\text{NDF}: 1155.3/33$

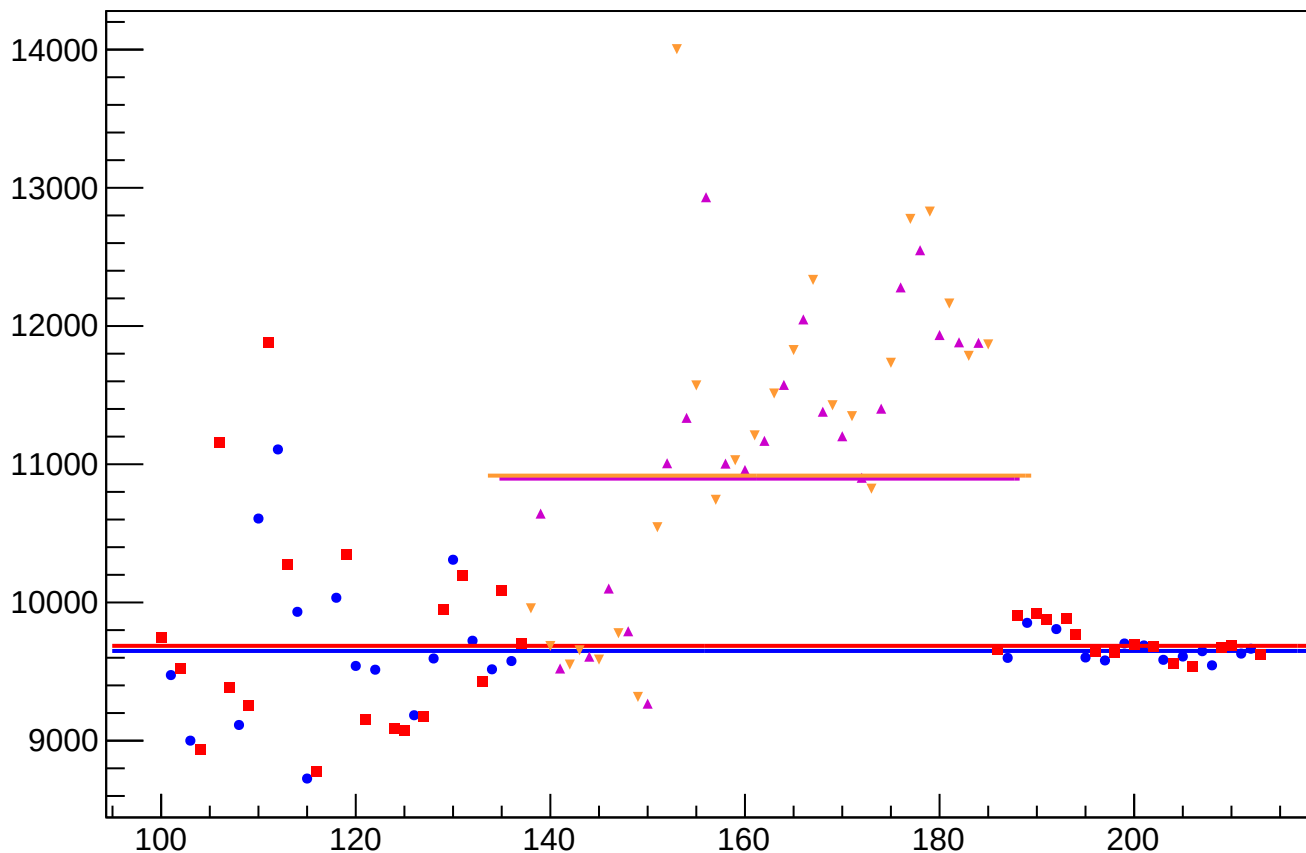
Left In: -27.528 ± 2.556 $\chi^2/\text{NDF}: 93.0/22$

+ sign -43.992 ± 1.696 $\chi^2/\text{NDF}: 639.4/53$

All: -24.986 ± 1.193 $\chi^2/\text{NDF}: 2255.7/110$

- sign -6.410 ± 1.677 $\chi^2/\text{NDF}: 1368.1/56$

diff_bpm0l02X_rms vs Slug



Right In: 9649.148 $\pm$ 1.636 χ^2 /NDF: 45610.1/28

Left Out: 10917.711 $\pm$ 1.764 χ^2 /NDF: 425841.1/24

Right Out: 9686.192 $\pm$ 1.571 χ^2 /NDF: 83126.8/33

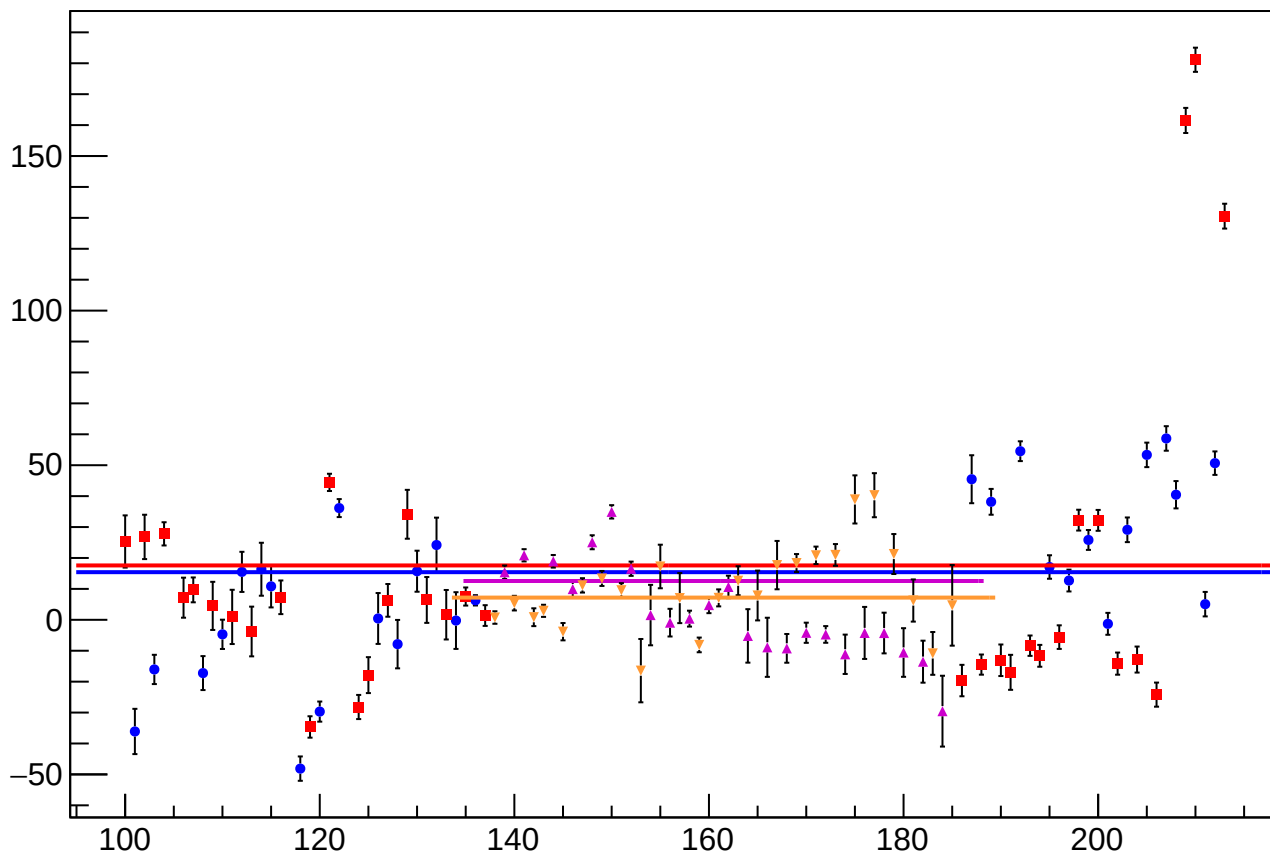
Left In: 10895.992 $\pm$ 1.808 χ^2 /NDF: 298059.2/22

+ sign 10235.598 $\pm$ 1.200 χ^2 /NDF: 749449.7/53

All: 10221.076 $\pm$ 0.843 χ^2 /NDF: 1386047.9/1

- sign 10206.883 $\pm$ 1.186 χ^2 /NDF: 636308.4/56

diff_bpm0l02Y_mean vs Slug



Right In: 15.408 ± 0.748 $\chi^2/\text{NDF}: 1271.8/28$

Left Out: 7.185 ± 0.654 $\chi^2/\text{NDF}: 201.7/24$

Right Out: 17.585 ± 0.730 $\chi^2/\text{NDF}: 5050.7/33$

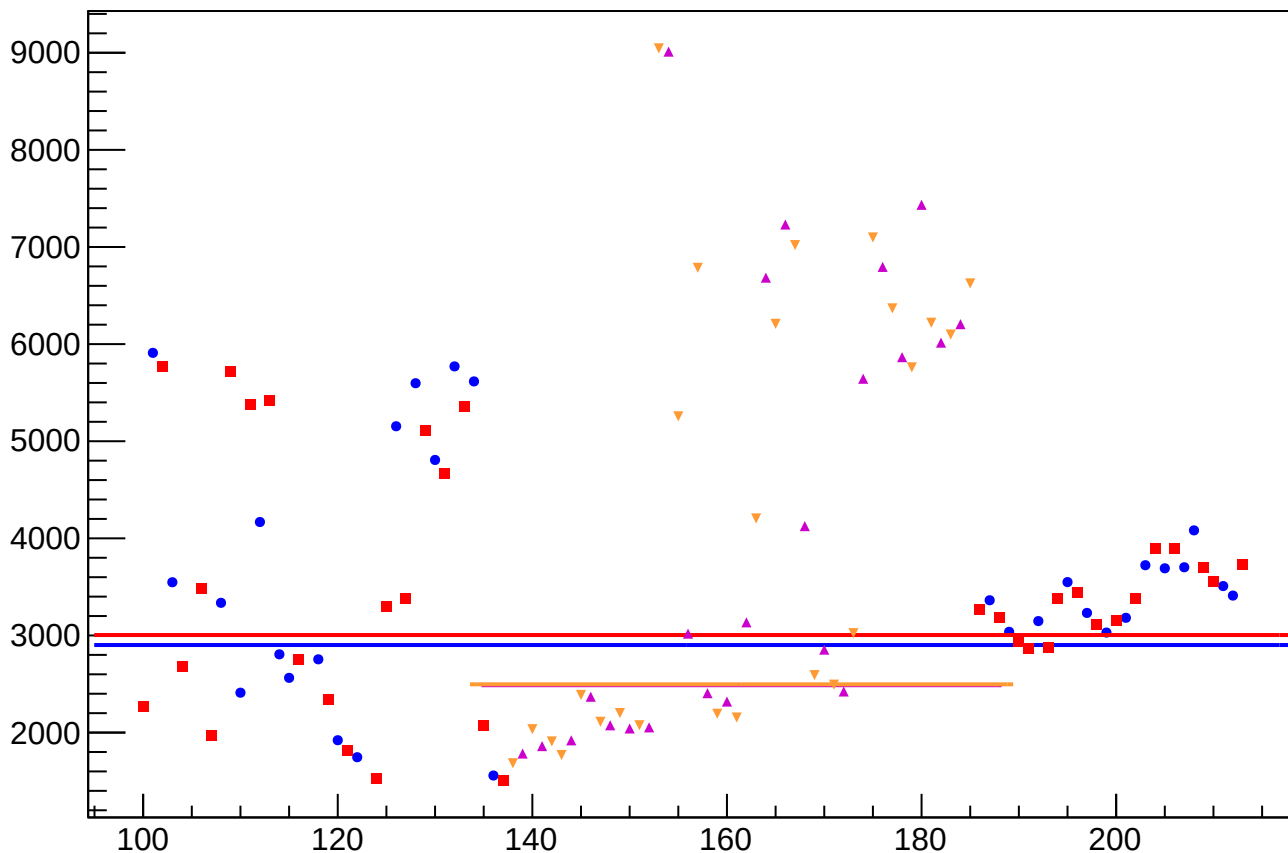
Left In: 12.553 ± 0.661 $\chi^2/\text{NDF}: 372.1/22$

+ sign 10.745 ± 0.492 $\chi^2/\text{NDF}: 1542.0/53$

All: 12.791 ± 0.347 $\chi^2/\text{NDF}: 7025.3/110$

- sign 14.817 ± 0.490 $\chi^2/\text{NDF}: 5448.9/56$

diff_bpm0l02Y_rms vs Slug



Right In: 2901.487+/-0.529 χ^2/NDF : 3809882.2/28

Left Out: 2496.801+/-0.462 χ^2/NDF : 7205827.8/24

Right Out: 3004.524+/-0.516 χ^2/NDF : 3252307.2/33

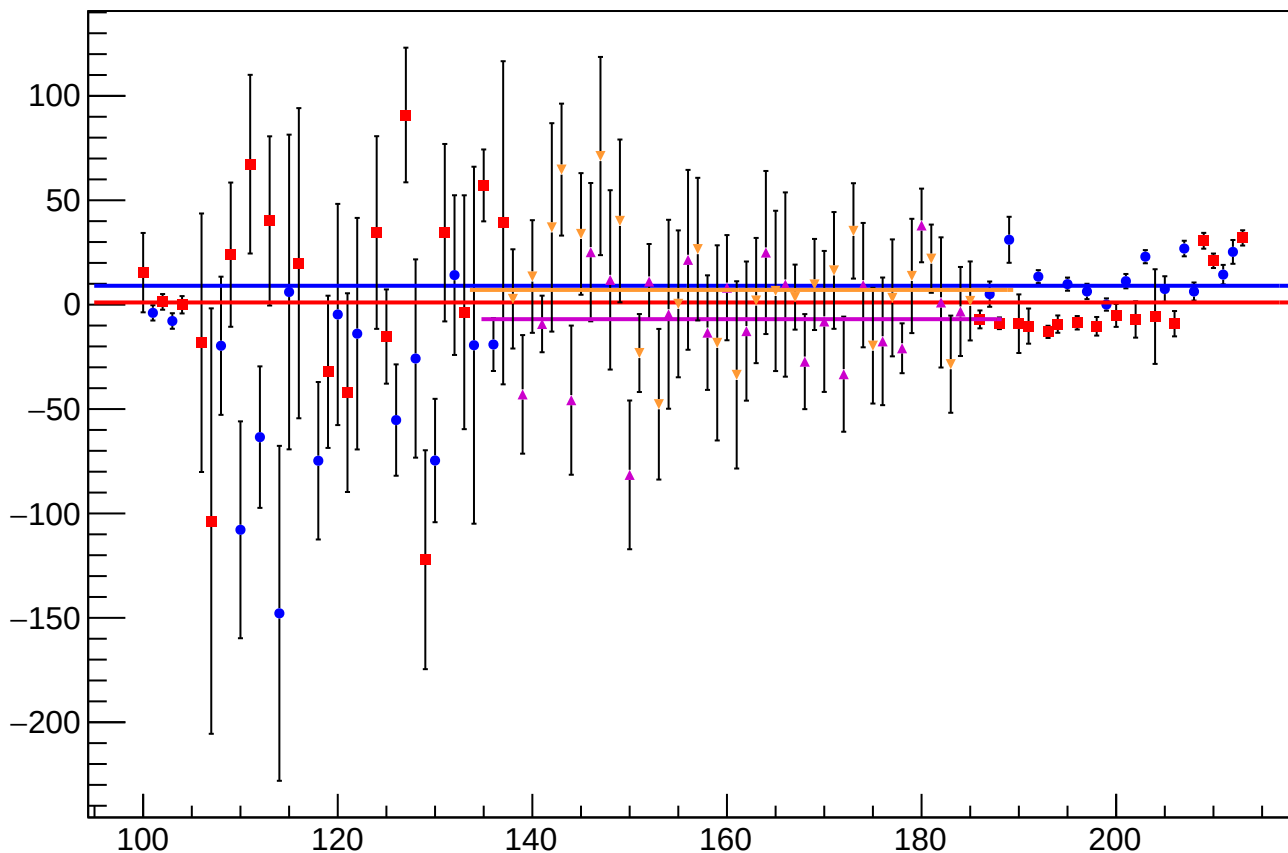
Left In: 2487.721+/-0.467 χ^2/NDF : 6103466.5/22

+ sign 2672.015+/-0.348 χ^2/NDF : 11347651.6/53

All: 2696.256+/-0.246 χ^2/NDF : 21263995.6/100

- sign 2720.269+/-0.346 χ^2/NDF : 9906687.1/56

diff_bpm0l03X_mean vs Slug



Right In: 9.051 ± 0.999 χ^2/NDF : 140.7/28

Left Out: 7.059 ± 5.227 χ^2/NDF : 19.6/24

Right Out: 1.060 ± 1.016 χ^2/NDF : 267.2/33

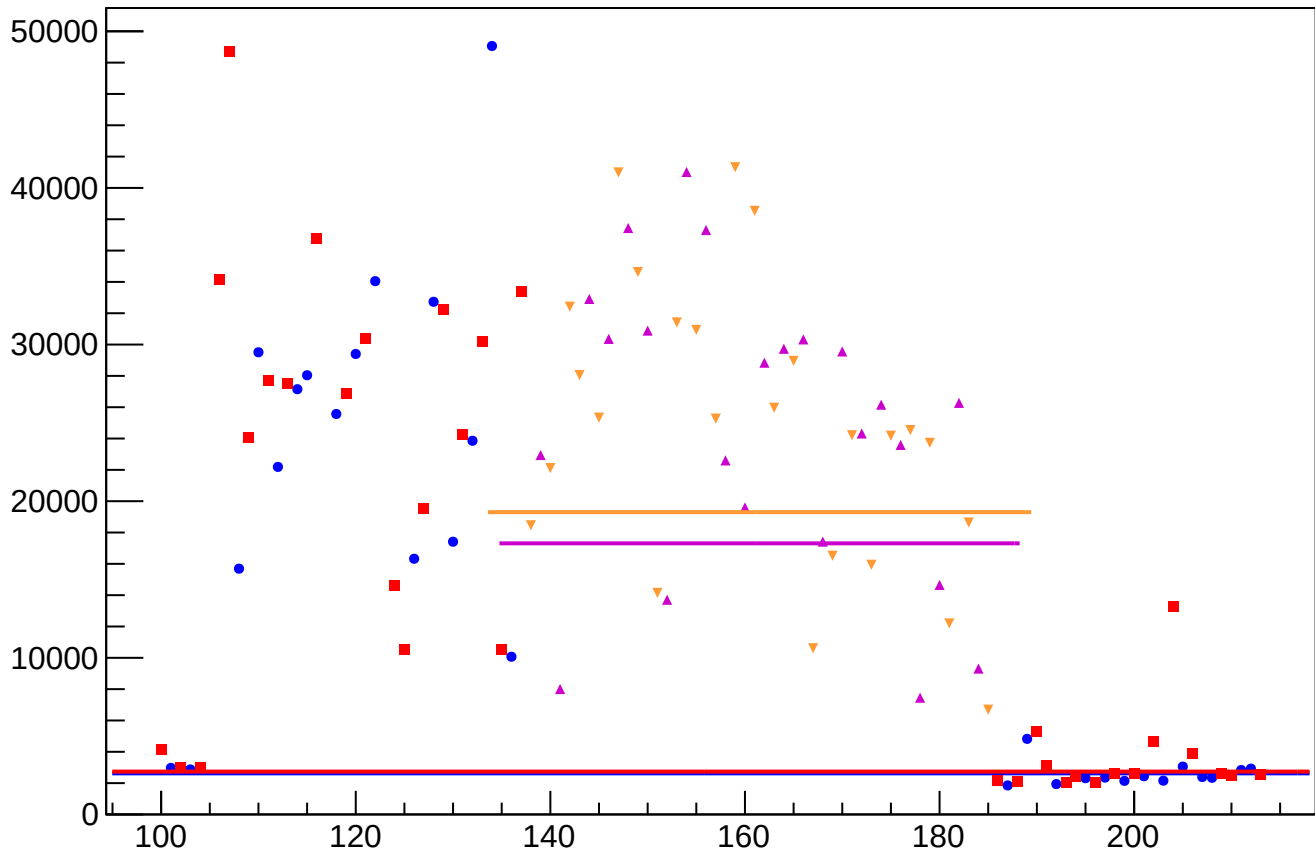
Left In: -6.944 ± 5.090 χ^2/NDF : 21.1/22

+ sign 8.981 ± 0.981 χ^2/NDF : 160.4/53

All: 4.928 ± 0.699 χ^2/NDF : 485.7/110

- sign 0.753 ± 0.996 χ^2/NDF : 290.7/56

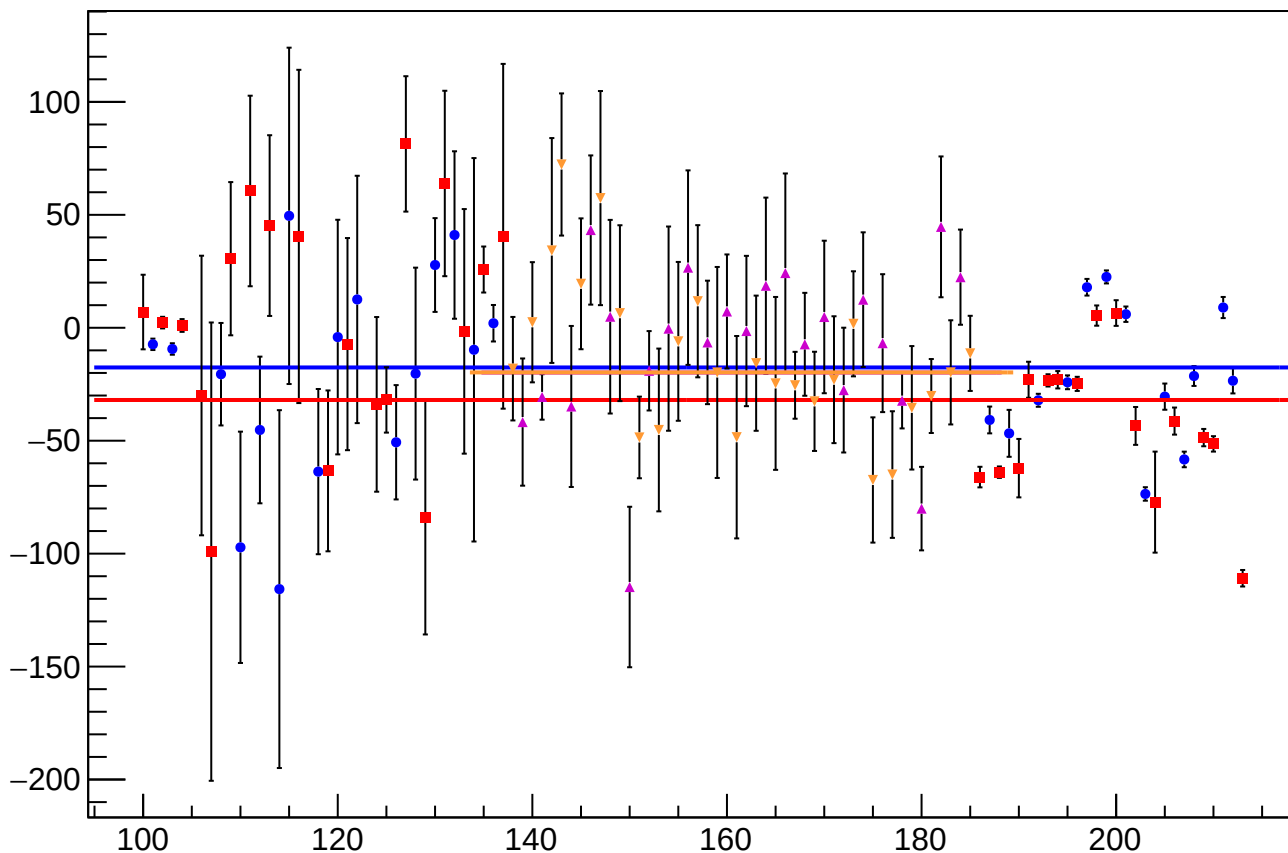
diff_bpm0l03X_rms vs Slug



Right In: 2624.730 ± 0.707 $\chi^2/\text{NDF}: 7955351.5/28$
 Left Out: 19299.351 ± 3.696 $\chi^2/\text{NDF}: 5037014.9/24$
 Right Out: 2736.640 ± 0.718 $\chi^2/\text{NDF}: 9424834.7/33$
 Left In: 17309.081 ± 3.600 $\chi^2/\text{NDF}: 6719993.9/22$

+ sign 3212.502 ± 0.694 $\chi^2/\text{NDF}: 32624608.1/53$
 All: 3252.930 ± 0.494 $\chi^2/\text{NDF}: 64538692.0/1$
 - sign 3294.569 ± 0.704 $\chi^2/\text{NDF}: 31907195.2/56$

diff_bpm0l03Y_mean vs Slug



Right In: -17.569 ± 0.899 χ^2/NDF : 966.4/28

Left Out: -19.769 ± 5.117 χ^2/NDF : 27.8/24

Right Out: -31.973 ± 0.918 χ^2/NDF : 1271.7/33

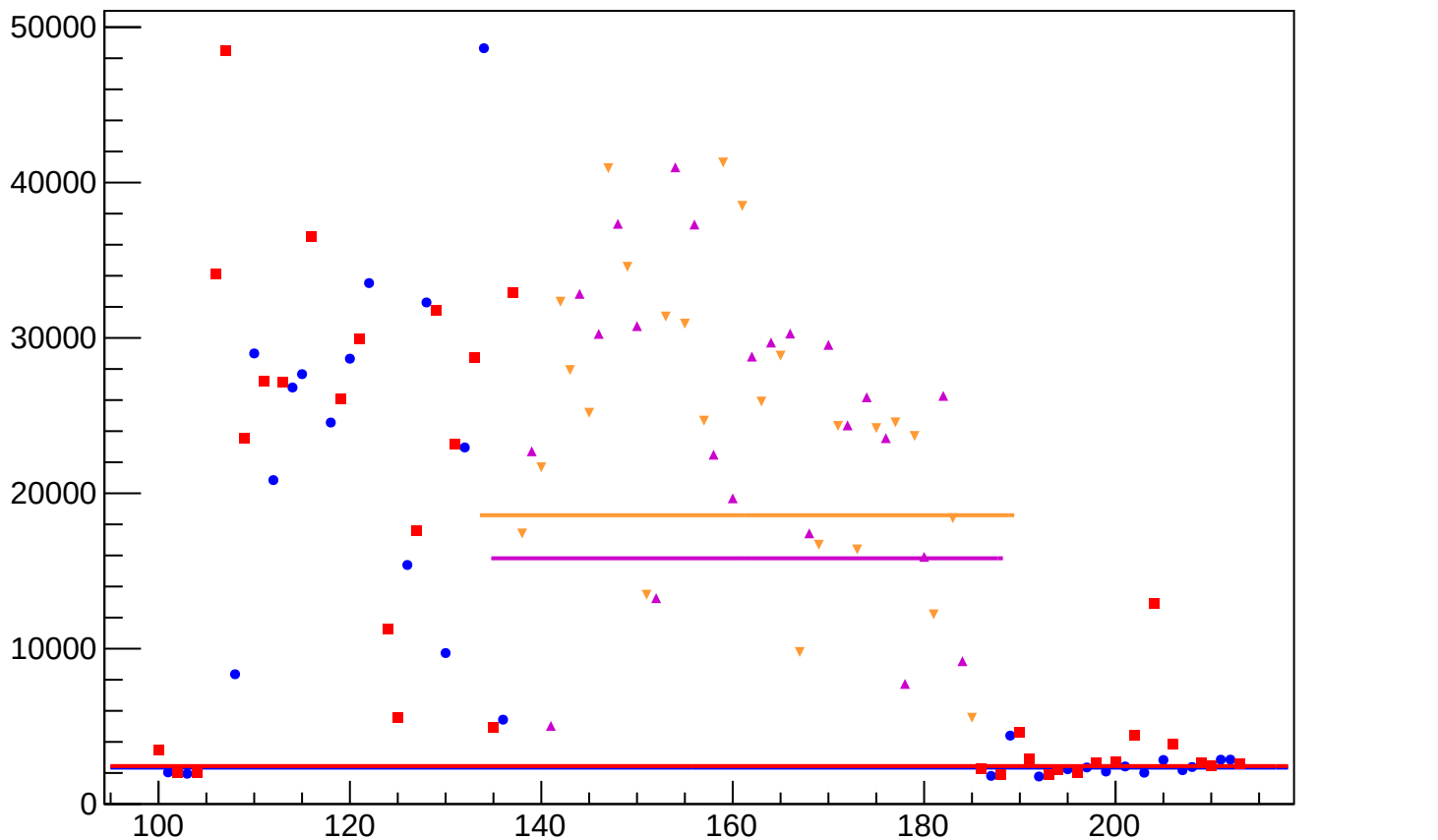
Left In: -19.822 ± 4.846 χ^2/NDF : 40.3/22

+ sign -17.635 ± 0.885 χ^2/NDF : 994.4/53

All: -24.462 ± 0.632 χ^2/NDF : 2433.7/110

- sign -31.552 ± 0.902 χ^2/NDF : 1318.1/56

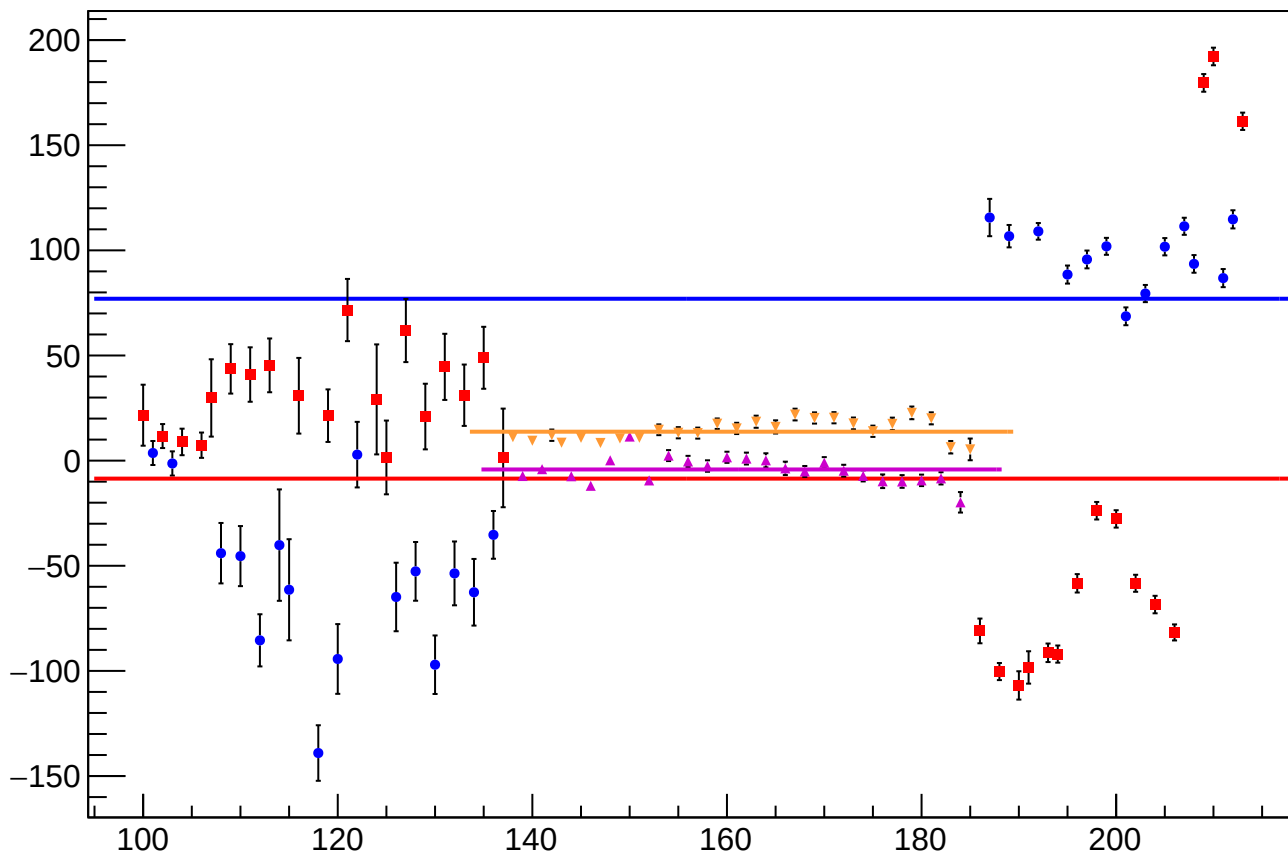
diff_bpm0l03Y_rms vs Slug



Right In: 2345.964 ± 0.636 $\chi^2/\text{NDF}: 7110368.7/28$
 Left Out: 18589.195 ± 3.618 $\chi^2/\text{NDF}: 5698567.3/24$
 Right Out: 2445.449 ± 0.649 $\chi^2/\text{NDF}: 9018703.6/33$
 Left In: 15817.655 ± 3.426 $\chi^2/\text{NDF}: 8406830.8/22$

+ sign 2832.128 ± 0.626 $\chi^2/\text{NDF}: 32361088.5/53$
 All: 2869.766 ± 0.447 $\chi^2/\text{NDF}: 64497735.6/100$
 - sign 2908.849 ± 0.638 $\chi^2/\text{NDF}: 32129276.7/56$

diff_bpm0l04X_mean vs Slug



Right In: 76.986 ± 1.113 χ^2/NDF : 2073.5/28

Left Out: 13.761 ± 0.514 χ^2/NDF : 77.2/24

Right Out: -8.553 ± 1.042 χ^2/NDF : 8862.5/33

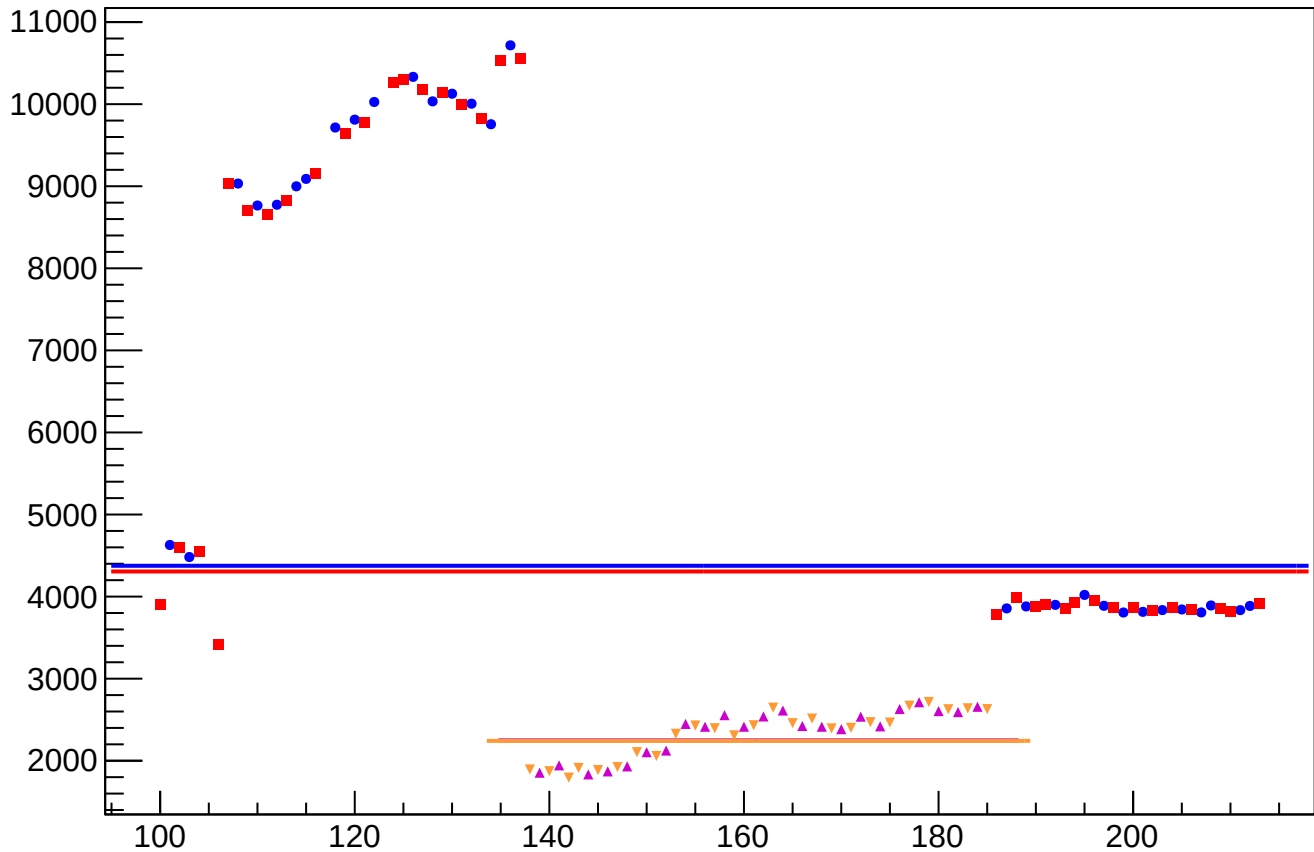
Left In: -4.202 ± 0.530 χ^2/NDF : 123.9/22

+ sign 24.868 ± 0.467 χ^2/NDF : 4808.8/53

All: 10.070 ± 0.332 χ^2/NDF : 15845.1/110

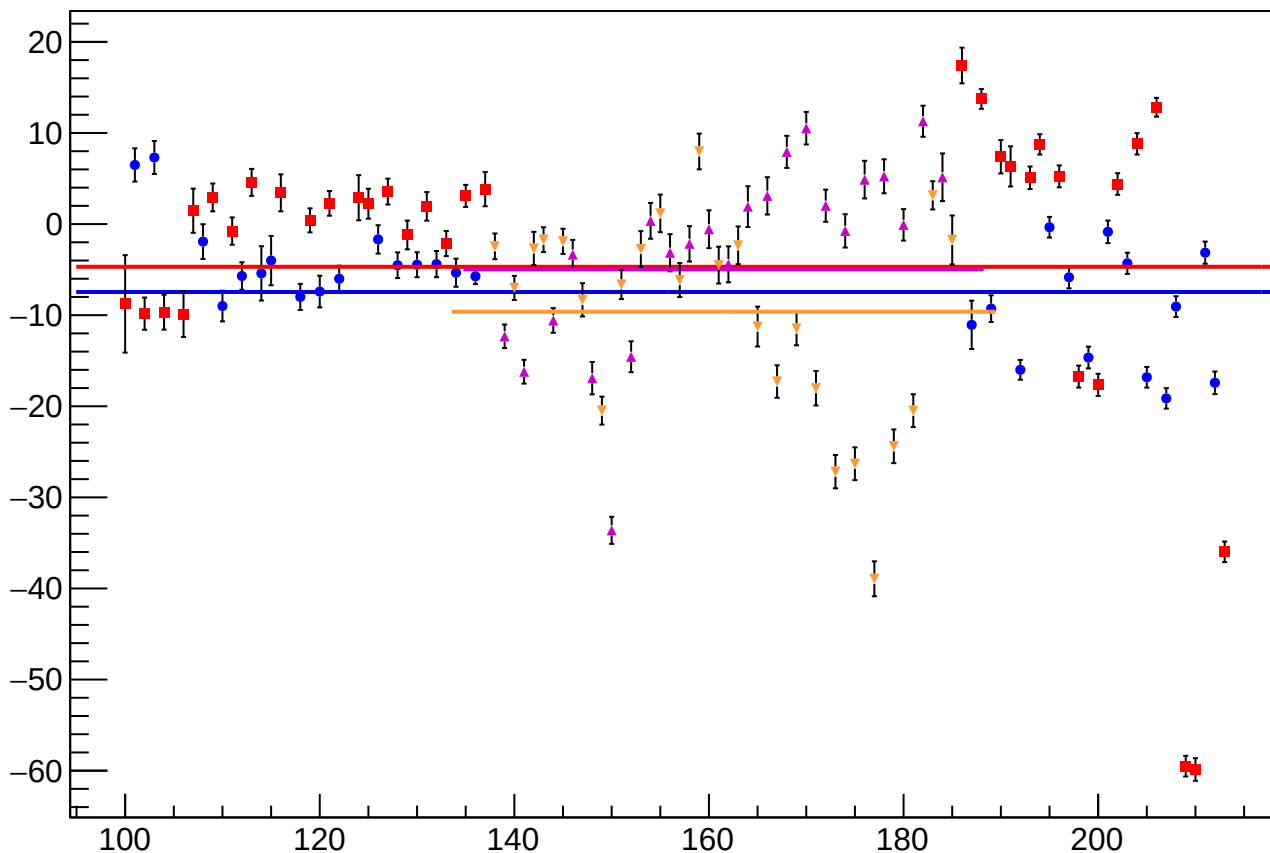
- sign -5.097 ± 0.472 χ^2/NDF : 9000.3/56

diff_bpm0l04X_rms vs Slug



Right In: 4375.602+/-0.787	χ^2/NDF : 4023475.2/28	+ sign 2617.096+/-0.330	χ^2/NDF : 10733299.1/53
Left Out: 2242.334+/-0.363	χ^2/NDF : 657865.5/24	All: 2644.027+/-0.235	χ^2/NDF : 21565829.8/1
Right Out: 4306.339+/-0.737	χ^2/NDF : 3980210.1/33	- sign 2671.628+/-0.334	χ^2/NDF : 10819043.9/56
Left In: 2248.582+/-0.375	χ^2/NDF : 642255.3/22		

diff_bpm0l04Y_mean vs Slug



Right In: -7.457 $\pm$ 0.253 χ^2 /NDF: 606.0/28

Left Out: -9.622 $\pm$ 0.349 χ^2 /NDF: 934.3/24

Right Out: -4.690 $\pm$ 0.245 χ^2 /NDF: 6819.4/33

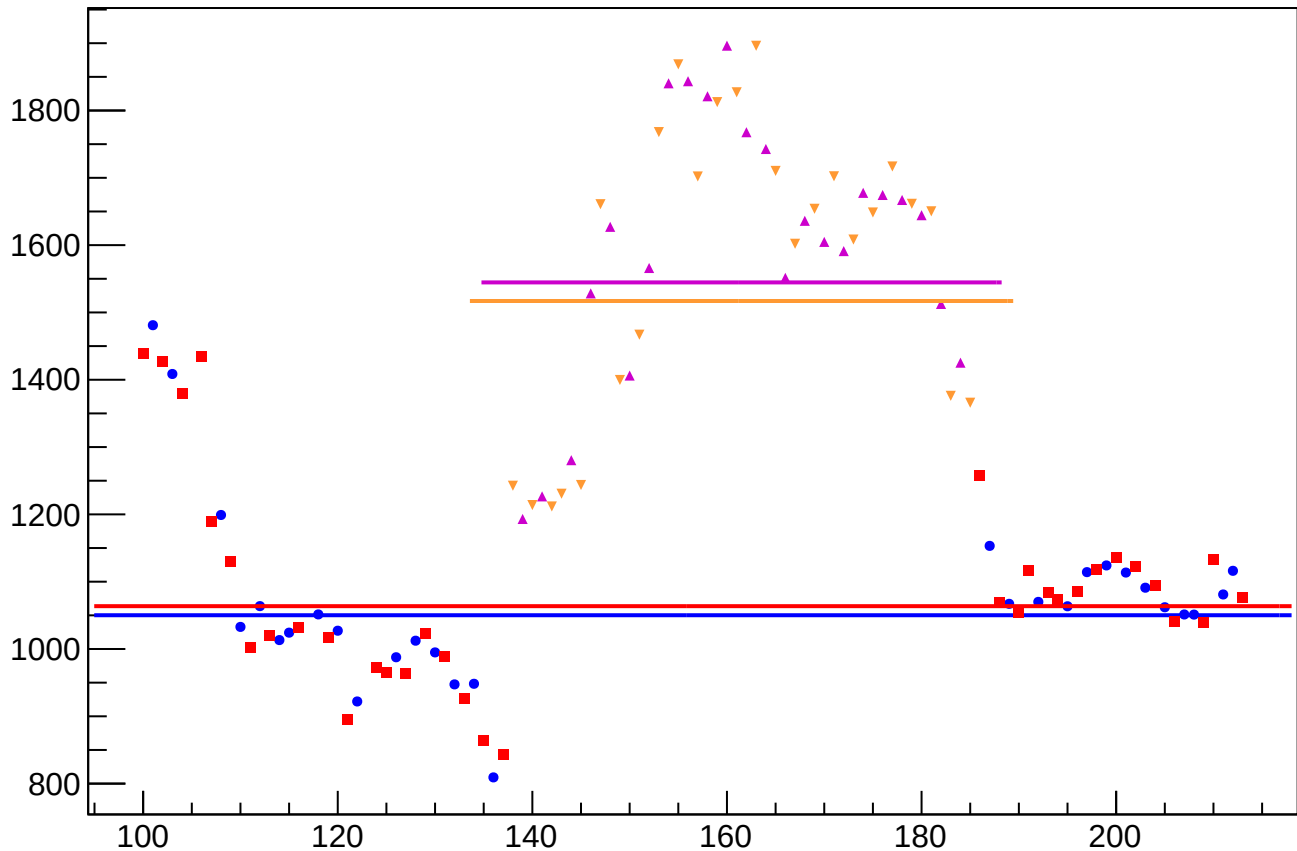
Left In: -4.974 $\pm$ 0.365 χ^2 /NDF: 929.8/22

+ sign -8.203 $\pm$ 0.205 χ^2 /NDF: 1565.5/53

All: -6.478 $\pm$ 0.144 χ^2 /NDF: 9455.8/110

- sign -4.778 $\pm$ 0.203 χ^2 /NDF: 7749.6/56

diff_bpm0l04Y_rms vs Slug



Right In: 1050.159 $\pm$ 0.179 χ^2 /NDF: 435764.0/28

Left Out: 1517.008 $\pm$ 0.247 χ^2 /NDF: 832983.9/24

Right Out: 1063.631 $\pm$ 0.173 χ^2 /NDF: 414376.8/33

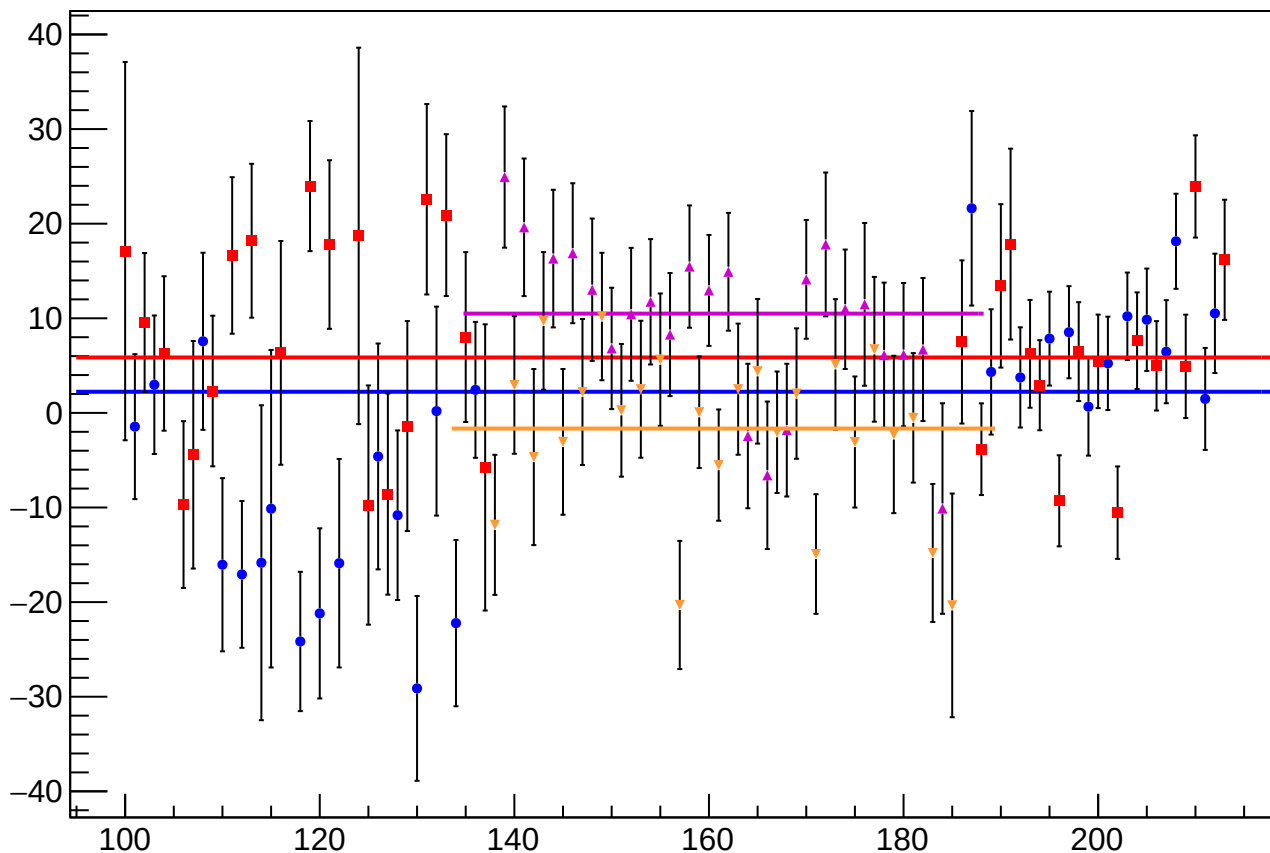
Left In: 1544.620 $\pm$ 0.258 χ^2 /NDF: 638659.4/22

+ sign 1210.970 $\pm$ 0.145 χ^2 /NDF: 3613375.4/53

All: 1212.117 $\pm$ 0.102 χ^2 /NDF: 7064353.9/11

- sign 1213.246 $\pm$ 0.144 χ^2 /NDF: 3450854.1/56

diff_bpm0l05X_mean vs Slug



Right In: 2.234 ± 1.255 $\chi^2/\text{NDF}: 79.8/28$

Left Out: -1.655 ± 1.426 $\chi^2/\text{NDF}: 31.5/24$

Right Out: 5.857 ± 1.194 $\chi^2/\text{NDF}: 69.9/33$

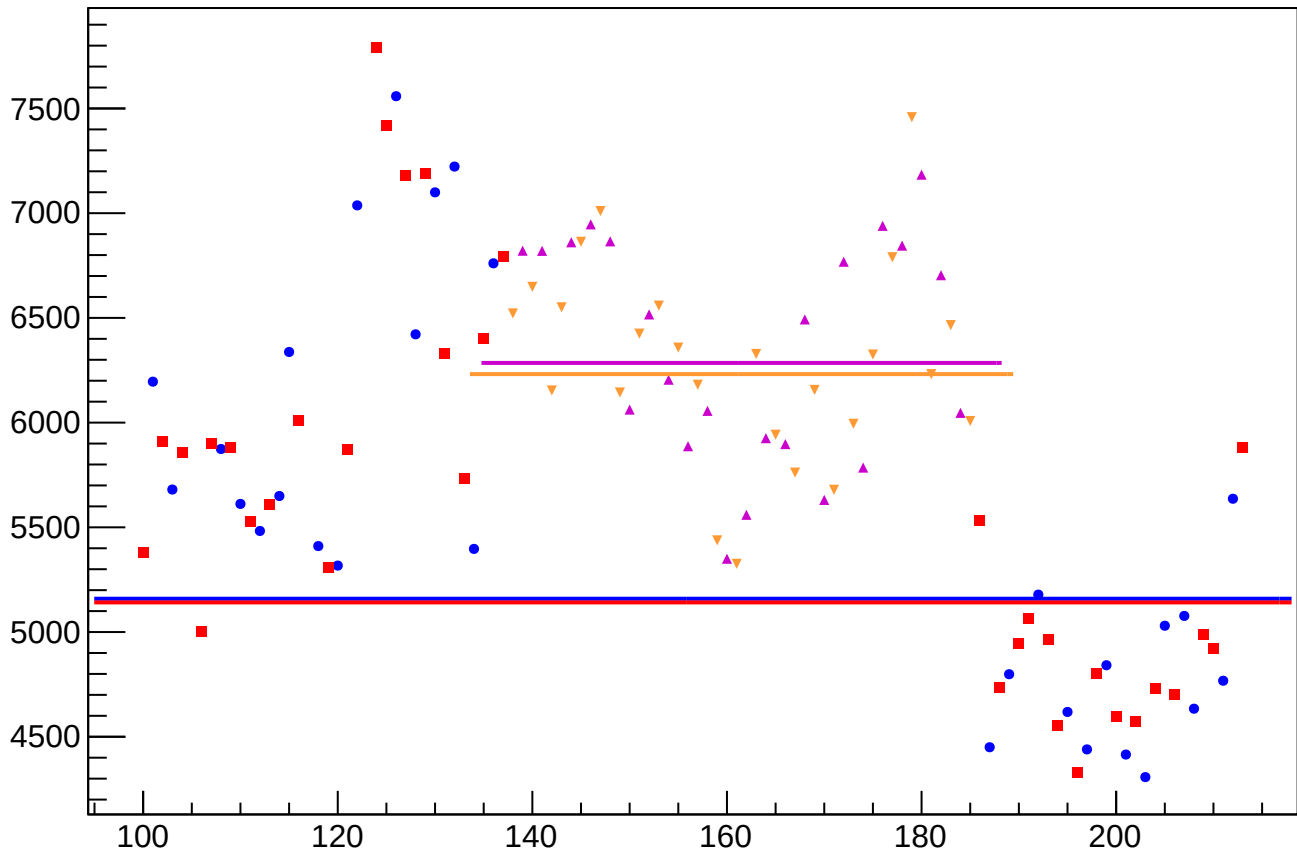
Left In: 10.492 ± 1.480 $\chi^2/\text{NDF}: 24.9/22$

+ sign 0.537 ± 0.942 $\chi^2/\text{NDF}: 115.5/53$

All: 4.160 ± 0.662 $\chi^2/\text{NDF}: 245.4/110$

- sign 7.686 ± 0.929 $\chi^2/\text{NDF}: 100.8/56$

diff_bpm0l05X_rms vs Slug



Right In: 5159.121+/-0.887 χ^2/NDF : 758789.9/28

Left Out: 6231.572+/-1.009 χ^2/NDF : 226959.2/24

Right Out: 5141.482+/-0.845 χ^2/NDF : 673890.9/33

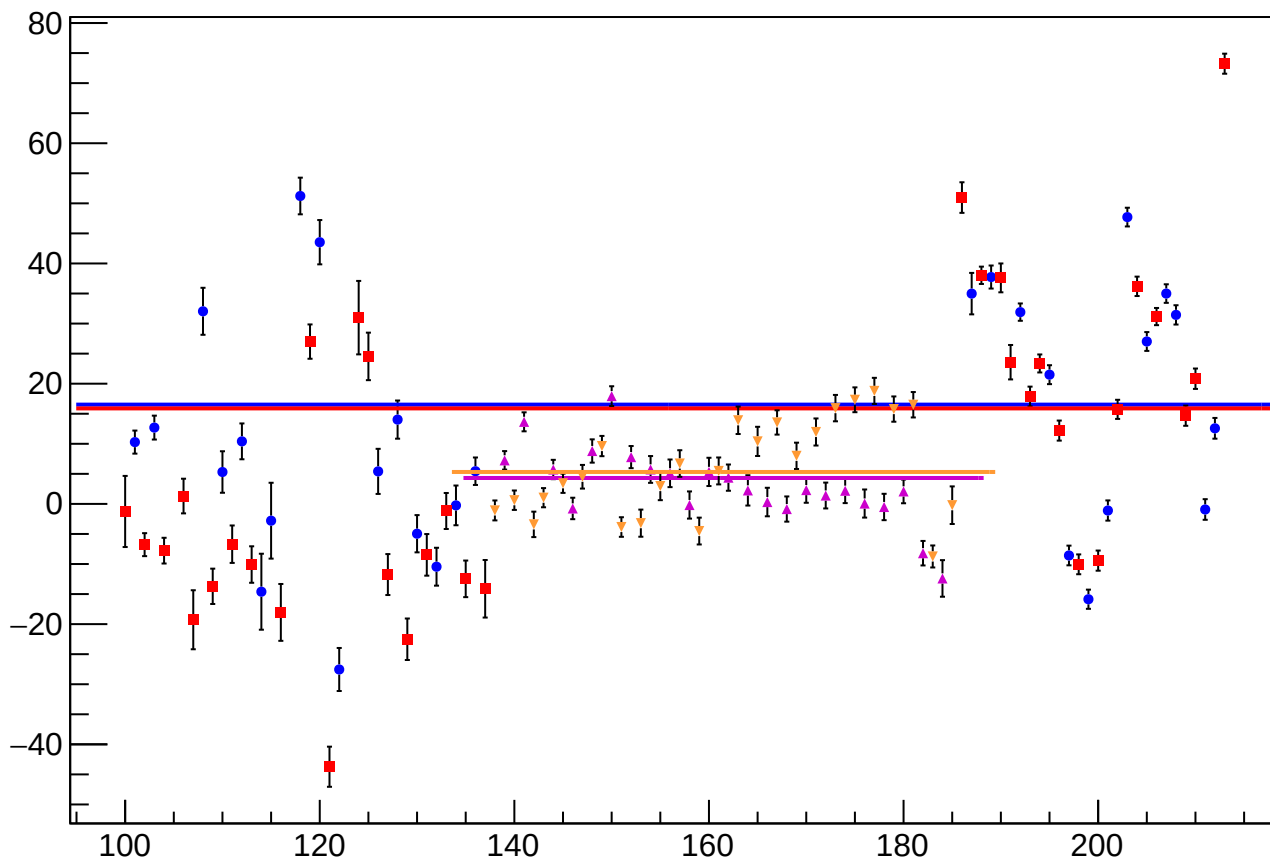
Left In: 6285.058+/-1.046 χ^2/NDF : 265370.2/22

+ sign 5626.960+/-0.666 χ^2/NDF : 1623230.4/53

All: 5609.579+/-0.468 χ^2/NDF : 3287085.4/11

- sign 5592.660+/-0.657 χ^2/NDF : 1662511.5/56

diff_bpm0l05Y_mean vs Slug



Right In: 16.516 $\pm$ 0.395 χ^2 /NDF: 2408.3/28

Left Out: 5.313 $\pm$ 0.400 χ^2 /NDF: 378.1/24

Right Out: 15.886 $\pm$ 0.377 χ^2 /NDF: 3856.4/33

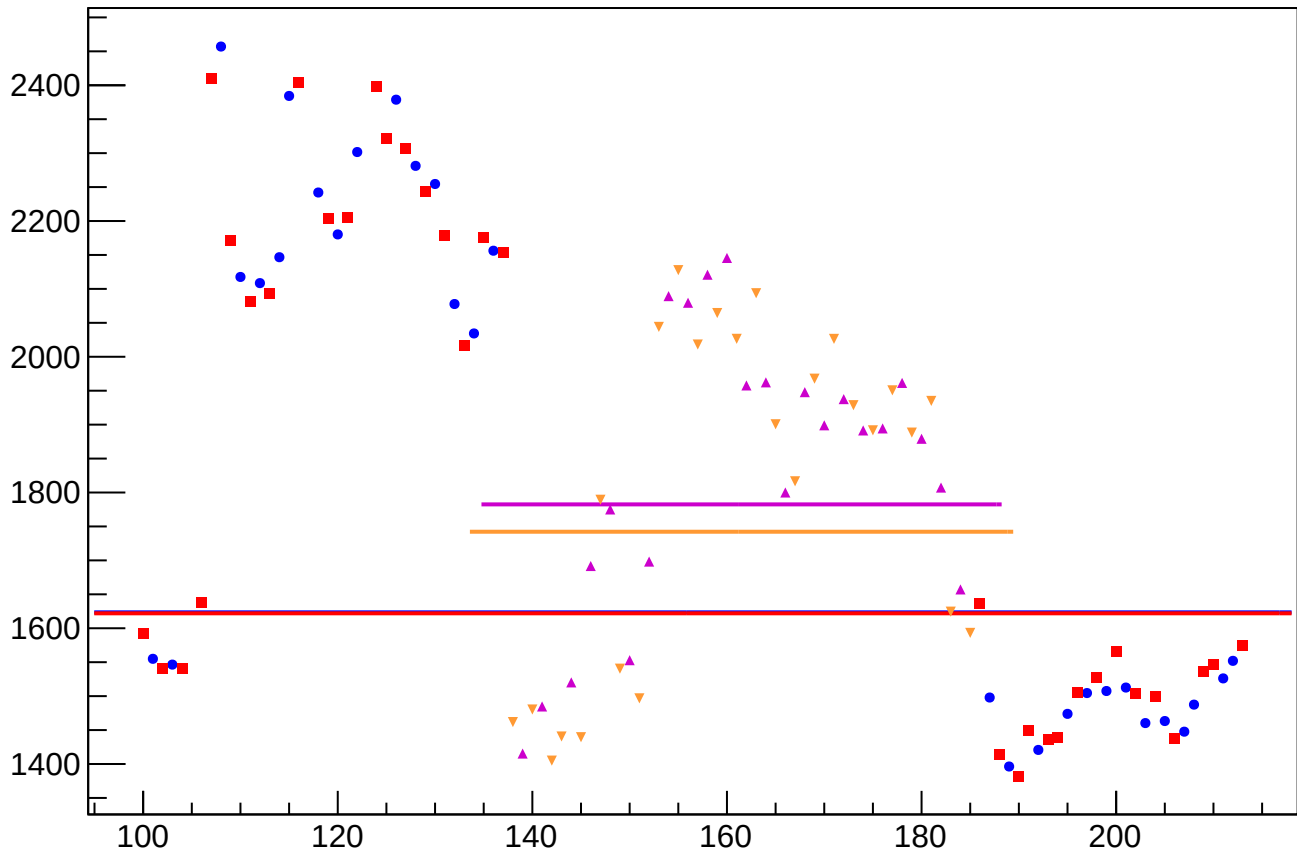
Left In: 4.310 $\pm$ 0.420 χ^2 /NDF: 220.4/22

+ sign 10.993 $\pm$ 0.281 χ^2 /NDF: 3183.5/53

All: 10.858 $\pm$ 0.199 χ^2 /NDF: 7681.4/110

- sign 10.723 $\pm$ 0.281 χ^2 /NDF: 4497.5/56

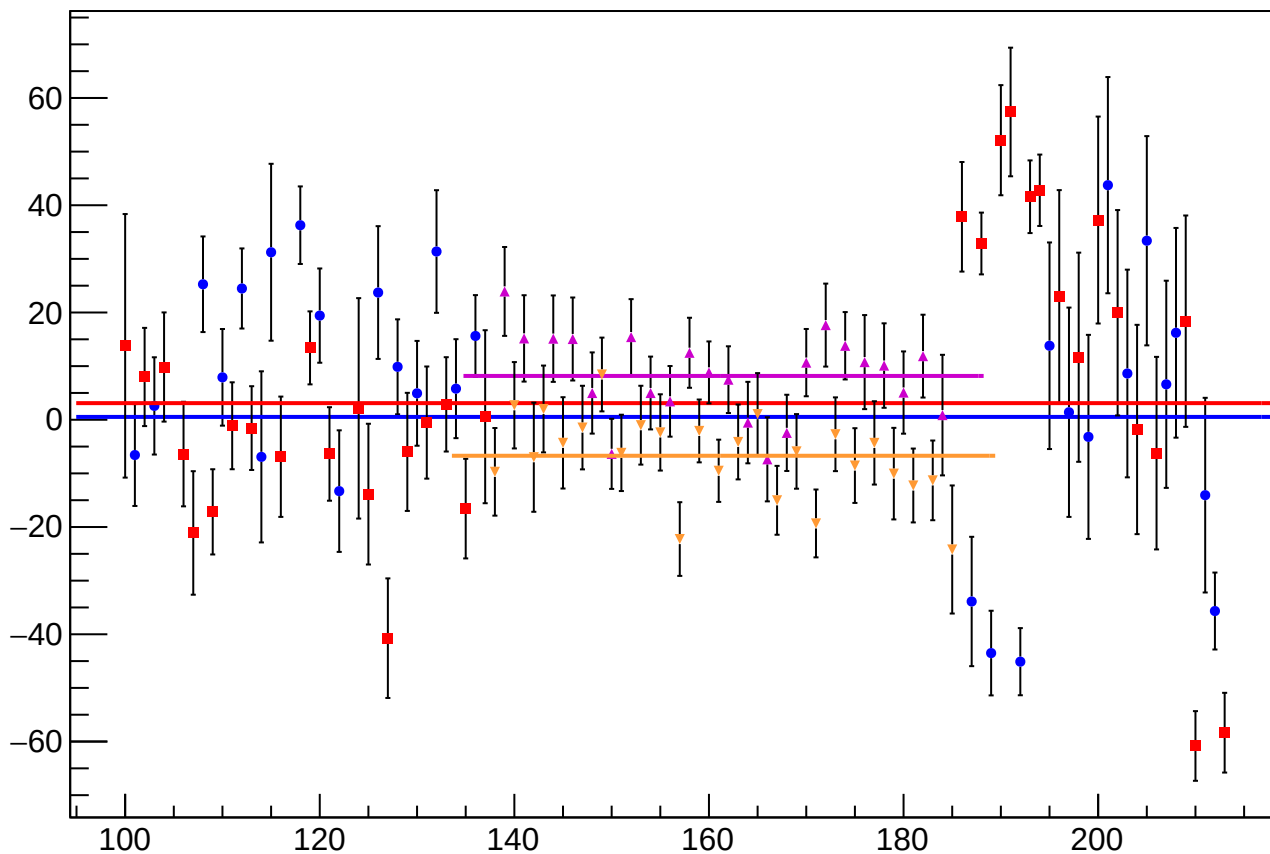
diff_bpm0l05Y_rms vs Slug



Right In: 1623.446 $\pm$ 0.279 χ^2 /NDF: 1075212.6/28
 Left Out: 1742.217 $\pm$ 0.283 χ^2 /NDF: 767663.9/24
 Right Out: 1622.011 $\pm$ 0.267 χ^2 /NDF: 1046335.8/33
 Left In: 1782.502 $\pm$ 0.297 χ^2 /NDF: 534374.9/22

+ sign 1681.997 $\pm$ 0.199 χ^2 /NDF: 1932125.3/53
 All: 1687.808 $\pm$ 0.140 χ^2 /NDF: 3676254.2/11
 - sign 1693.596 $\pm$ 0.198 χ^2 /NDF: 1742422.9/56

diff_bpm0l06X_mean vs Slug



Right In: 0.530 ± 1.918 χ^2/NDF : 197.2/28

Left Out: -6.713 ± 1.458 χ^2/NDF : 25.7/24

Right Out: 3.100 ± 1.679 χ^2/NDF : 360.7/33

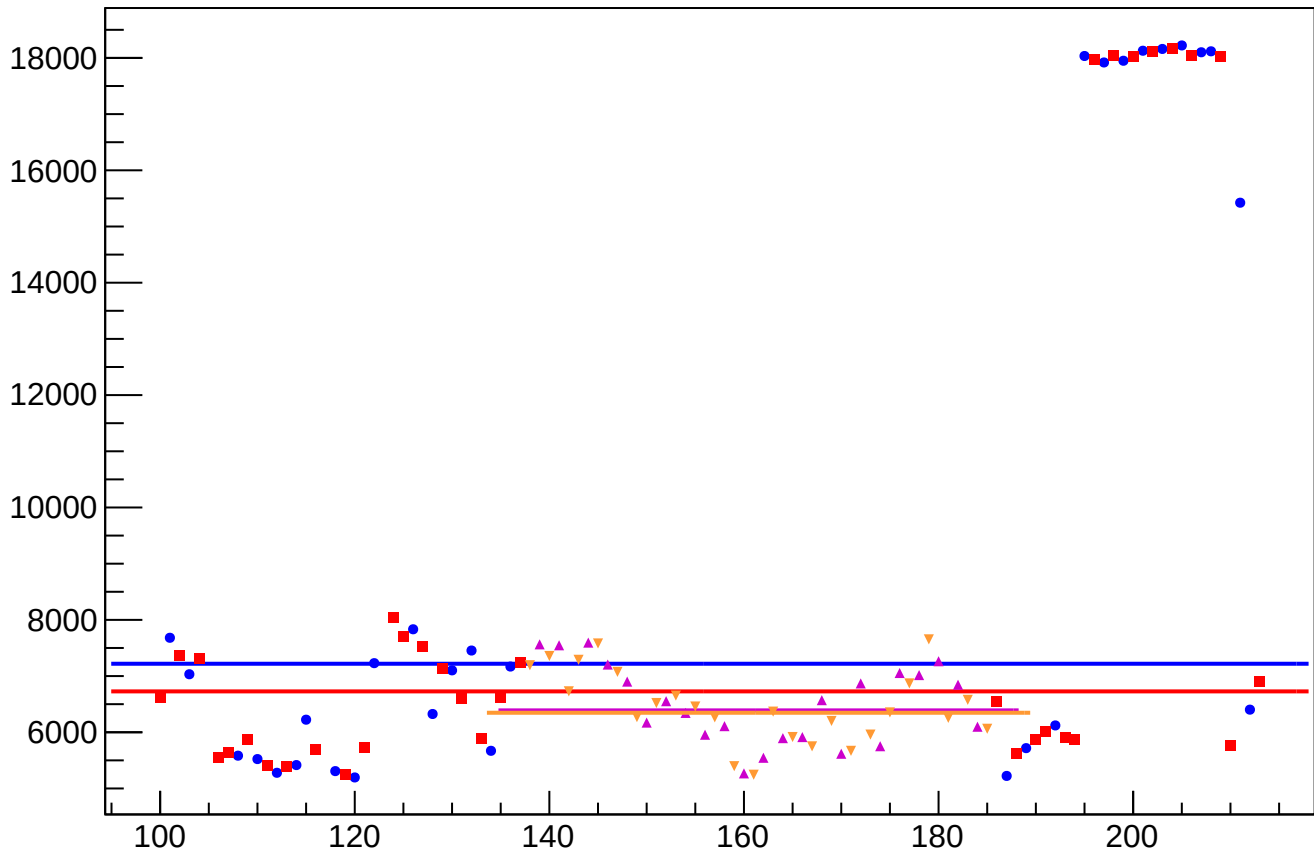
Left In: 8.171 ± 1.510 χ^2/NDF : 24.2/22

+ sign -4.060 ± 1.160 χ^2/NDF : 231.9/53

All: 1.086 ± 0.807 χ^2/NDF : 659.9/110

- sign 5.904 ± 1.123 χ^2/NDF : 389.9/56

diff_bpm0l06X_rms vs Slug



Right In: 7219.308+/-1.356 χ^2/NDF : 6247733.6/28

Left Out: 6347.287+/-1.031 χ^2/NDF : 386025.6/24

Right Out: 6727.391+/-1.187 χ^2/NDF : 5434254.7/33

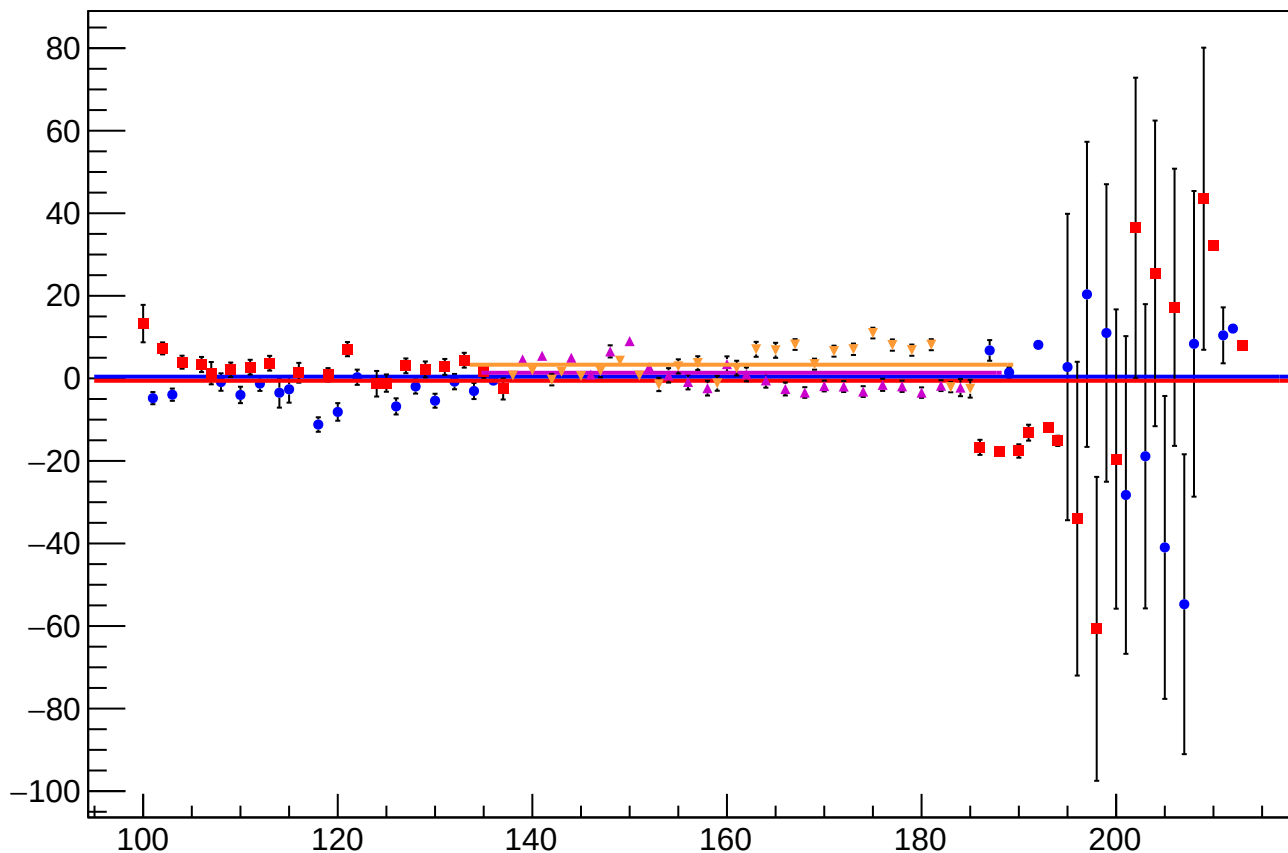
Left In: 6389.425+/-1.068 χ^2/NDF : 419756.4/22

+ sign 6666.668+/-0.821 χ^2/NDF : 6895876.1/53

All: 6601.509+/-0.571 χ^2/NDF : 12806886.3/1

- sign 6540.513+/-0.794 χ^2/NDF : 5898802.9/56

diff_bpm0l06Y_mean vs Slug



Right In: 0.406 ± 0.365 $\chi^2/\text{NDF}: 304.5/28$

Left Out: 3.311 ± 0.264 $\chi^2/\text{NDF}: 177.9/24$

Right Out: -0.581 ± 0.314 $\chi^2/\text{NDF}: 1663.8/33$

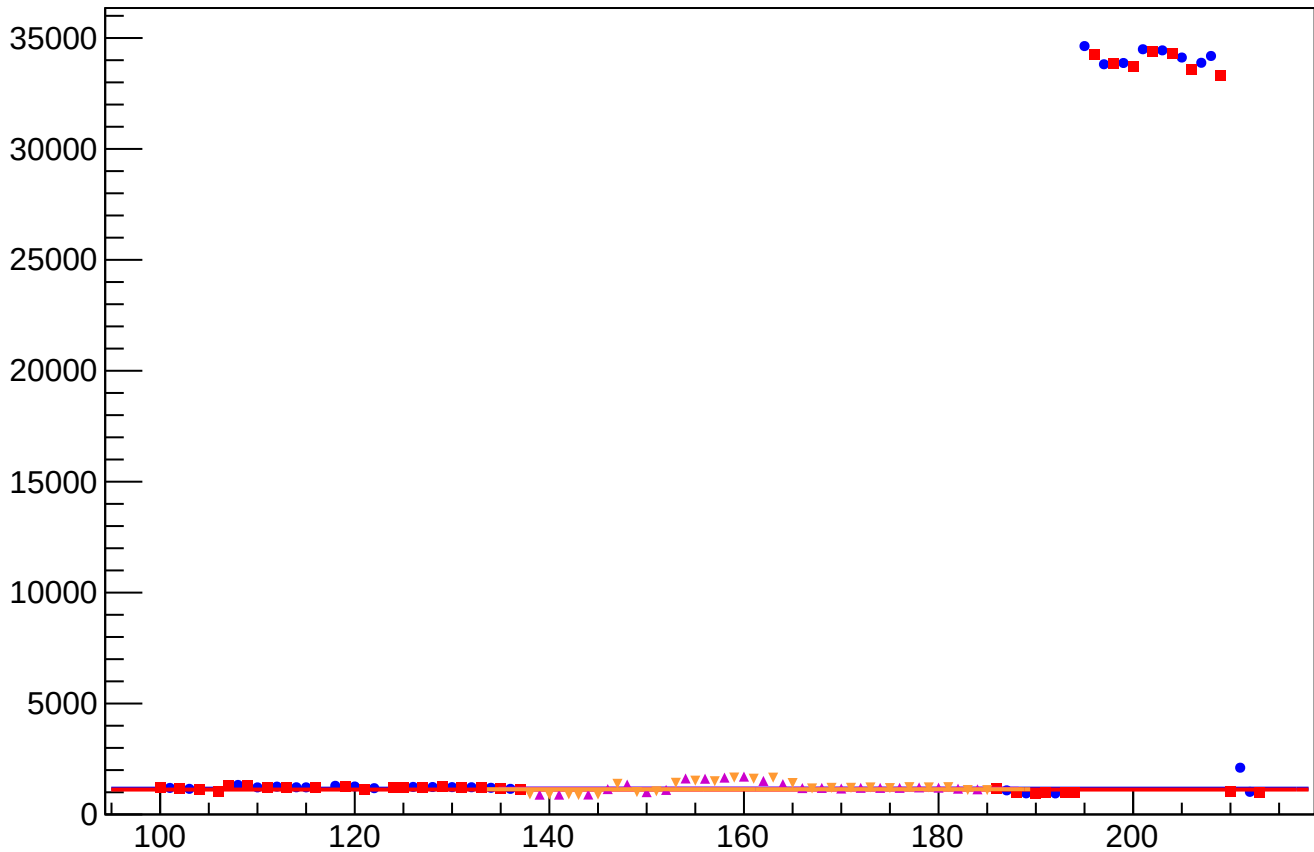
Left In: 1.355 ± 0.277 $\chi^2/\text{NDF}: 196.3/22$

+ sign 2.310 ± 0.214 $\chi^2/\text{NDF}: 524.0/53$

All: 1.381 ± 0.149 $\chi^2/\text{NDF}: 2442.1/110$

- sign 0.508 ± 0.207 $\chi^2/\text{NDF}: 1881.5/56$

diff_bpm0l06Y_rms vs Slug



Right In: 1162.956 $\pm$ 0.258 χ^2 /NDF: 13068144.1/28

Left Out: 1137.150 $\pm$ 0.187 χ^2 /NDF: 1469686.1/24

Right Out: 1122.118 $\pm$ 0.222 χ^2 /NDF: 11672349.9/33

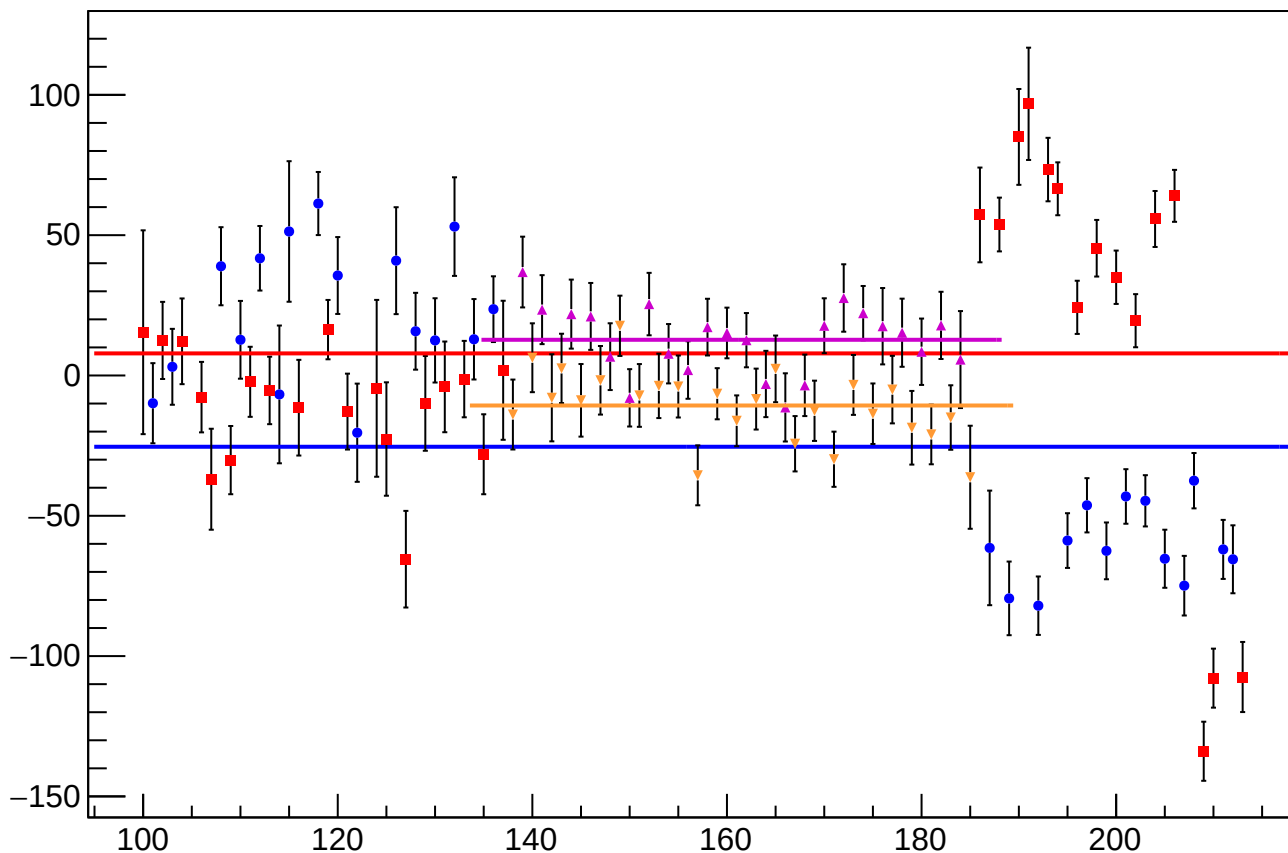
Left In: 1159.432 $\pm$ 0.196 χ^2 /NDF: 1259793.6/22

+ sign 1146.041 $\pm$ 0.151 χ^2 /NDF: 14544392.1/53

All: 1144.524 $\pm$ 0.105 χ^2 /NDF: 27492652.4/100

- sign 1143.101 $\pm$ 0.147 χ^2 /NDF: 12948065.7/56

diff_bpm0l07X_mean vs Slug



Right In: -25.401 ± 2.286 χ^2/NDF : 378.5/28

Left Out: -10.696 ± 2.257 χ^2/NDF : 28.7/24

Right Out: 7.869 ± 2.169 χ^2/NDF : 671.0/33

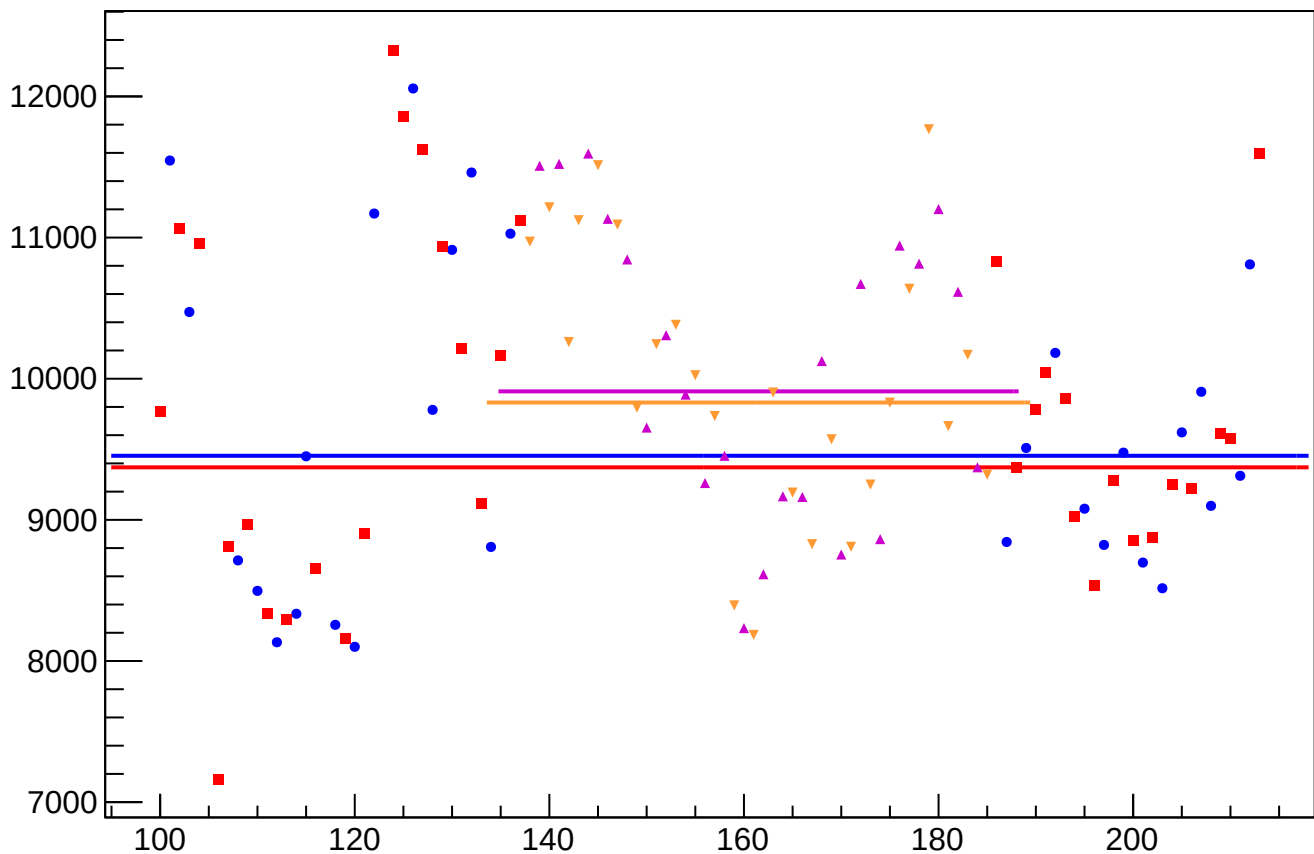
Left In: 12.719 ± 2.341 χ^2/NDF : 24.0/22

+ sign -17.955 ± 1.606 χ^2/NDF : 428.2/53

All: -3.788 ± 1.130 χ^2/NDF : 1279.6/110

- sign 10.109 ± 1.591 χ^2/NDF : 697.4/56

diff_bpm0l07X_rms vs Slug



Right In: 9453.996 $\pm$ 1.617 χ^2 /NDF: 373607.1/28

Left Out: 9831.301 $\pm$ 1.596 χ^2 /NDF:356125.1/24

Right Out: 9372.189 $\pm$ 1.534 χ^2 /NDF: 420103.2/33

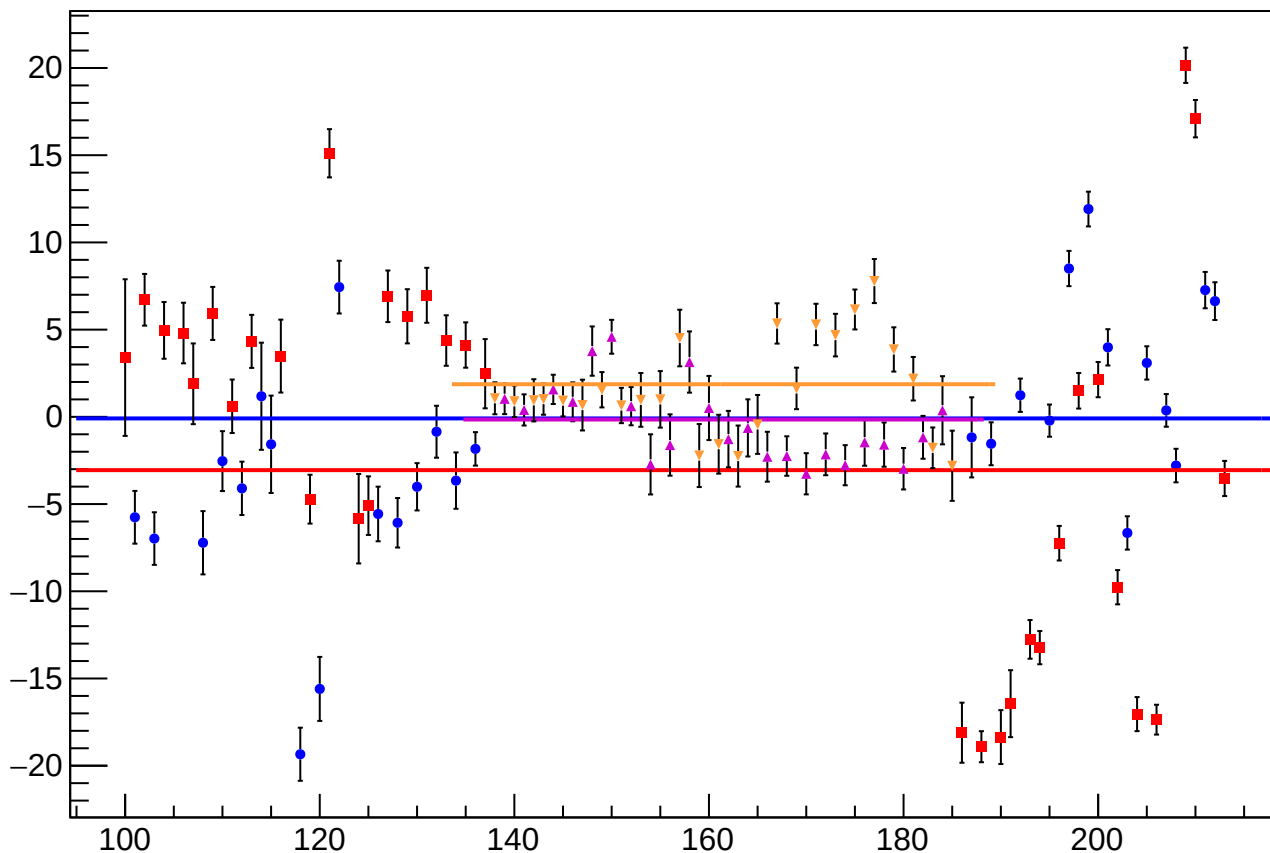
Left In: 9910.300 $\pm$ 1.655 χ^2 /NDF:389368.1/22

+ sign 9645.056 $\pm$ 1.136 χ^2 /NDF: 757315.9/53

All: 9632.776 $\pm$ 0.799 χ^2 /NDF: 1623891.3/11

- sign 9620.730 $\pm$ 1.125 χ^2 /NDF: 866343.8/56

diff_bpm0l07Y_mean vs Slug



Right In: -0.090 ± 0.230 χ^2/NDF : 754.1/28

Left Out: 1.869 ± 0.243 χ^2/NDF : 103.2/24

Right Out: -3.055 ± 0.221 χ^2/NDF : 2736.4/33

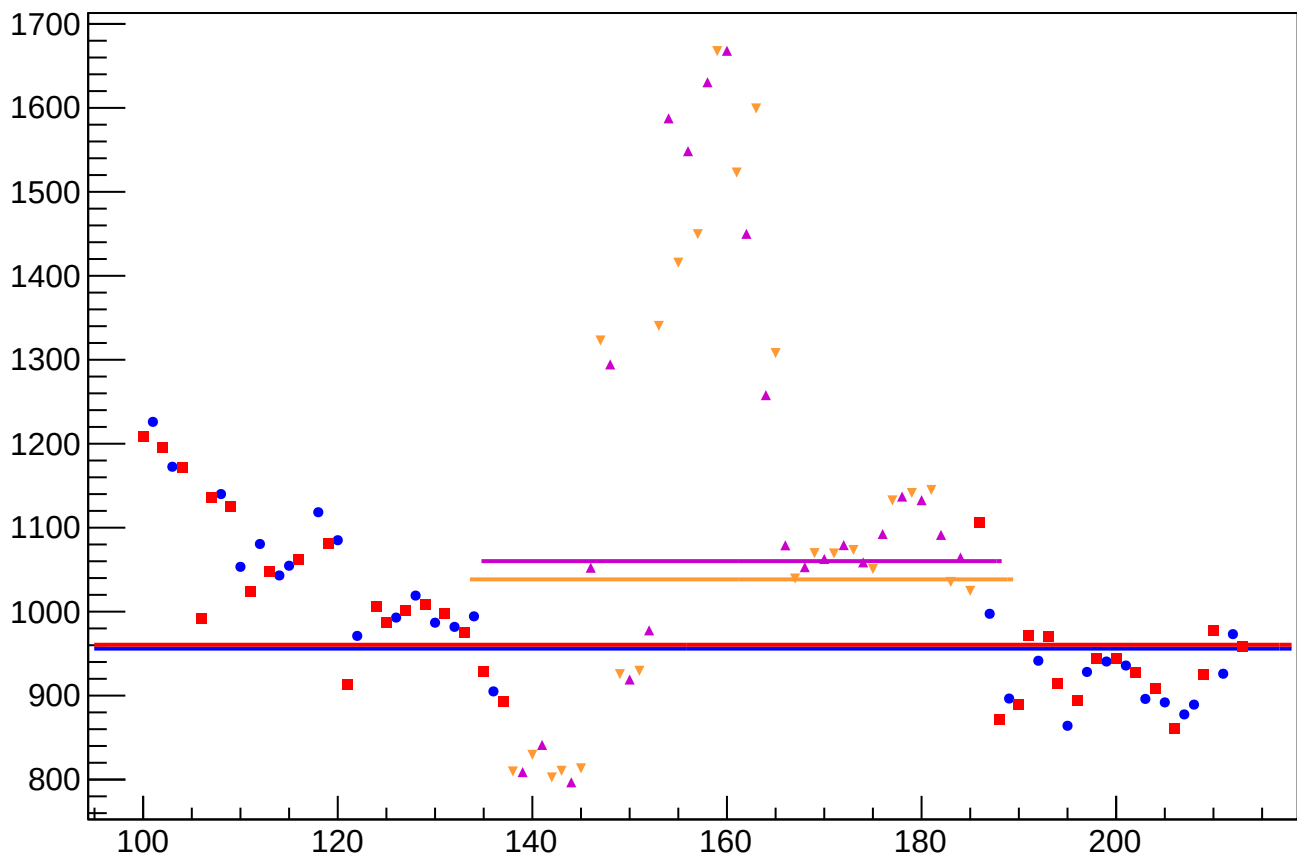
Left In: -0.152 ± 0.254 χ^2/NDF : 75.7/22

+ sign 0.836 ± 0.167 χ^2/NDF : 891.7/53

All: -0.487 ± 0.118 χ^2/NDF : 3903.6/110

- sign -1.808 ± 0.167 χ^2/NDF : 2886.3/56

diff_bpm0l07Y_rms vs Slug



Right In: 955.974 $\pm$ 0.162 χ^2 /NDF: 266993.9/28

Left Out: 1038.406 $\pm$ 0.172 χ^2 /NDF:1706682.8/24

Right Out: 960.568 $\pm$ 0.156 χ^2 /NDF: 258760.3/33

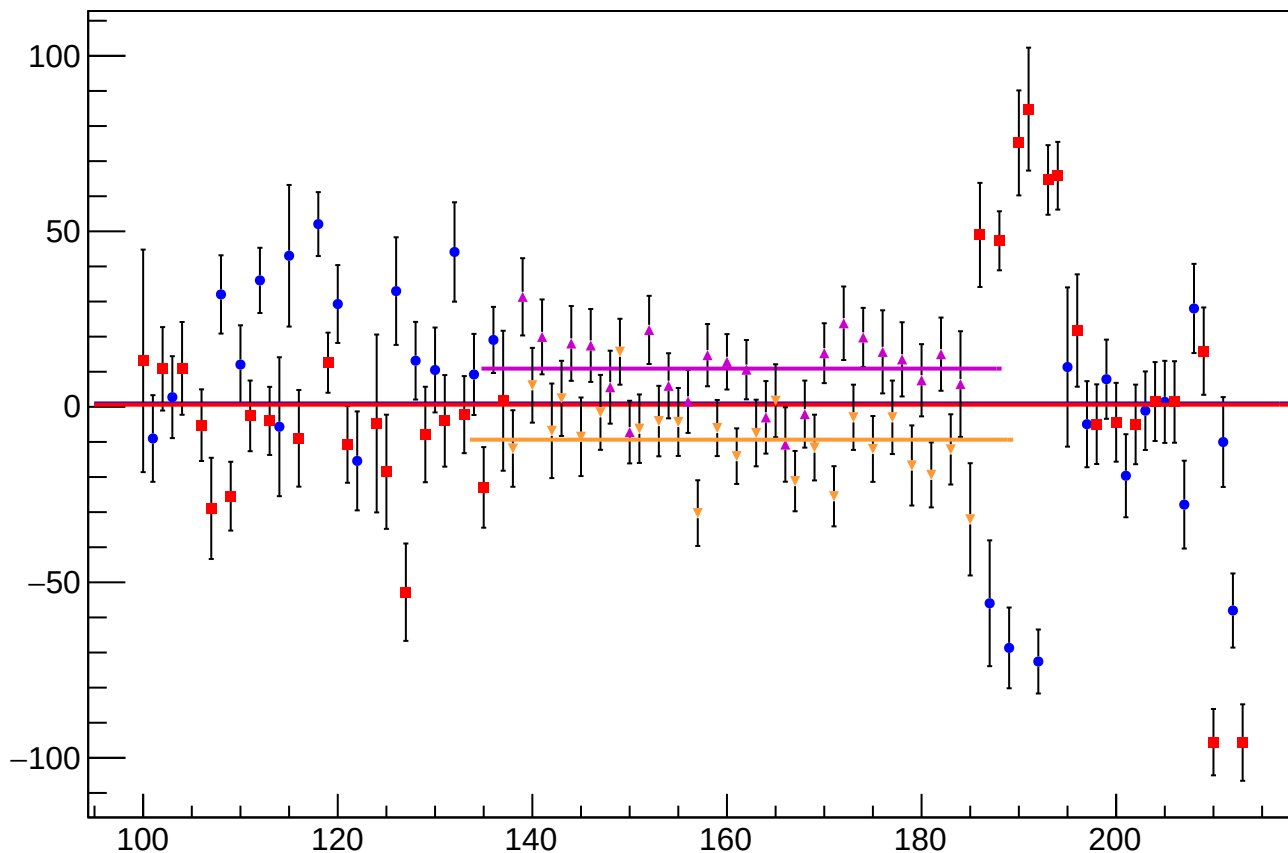
Left In: 1060.162 $\pm$ 0.180 χ^2 /NDF:1523219.9/22

+ sign 994.943 $\pm$ 0.118 χ^2 /NDF: 2095375.0/53

All: 999.144 $\pm$ 0.083 χ^2 /NDF: 4054652.7/110

- sign 1003.342 $\pm$ 0.118 χ^2 /NDF: 1956742.8/56

diff_bpm0l08X_mean vs Slug



Right In: 0.961 ± 2.214 χ^2/NDF : 244.6/28

Left Out: -9.355 ± 1.969 χ^2/NDF : 28.5/24

Right Out: 0.618 ± 2.030 χ^2/NDF : 400.5/33

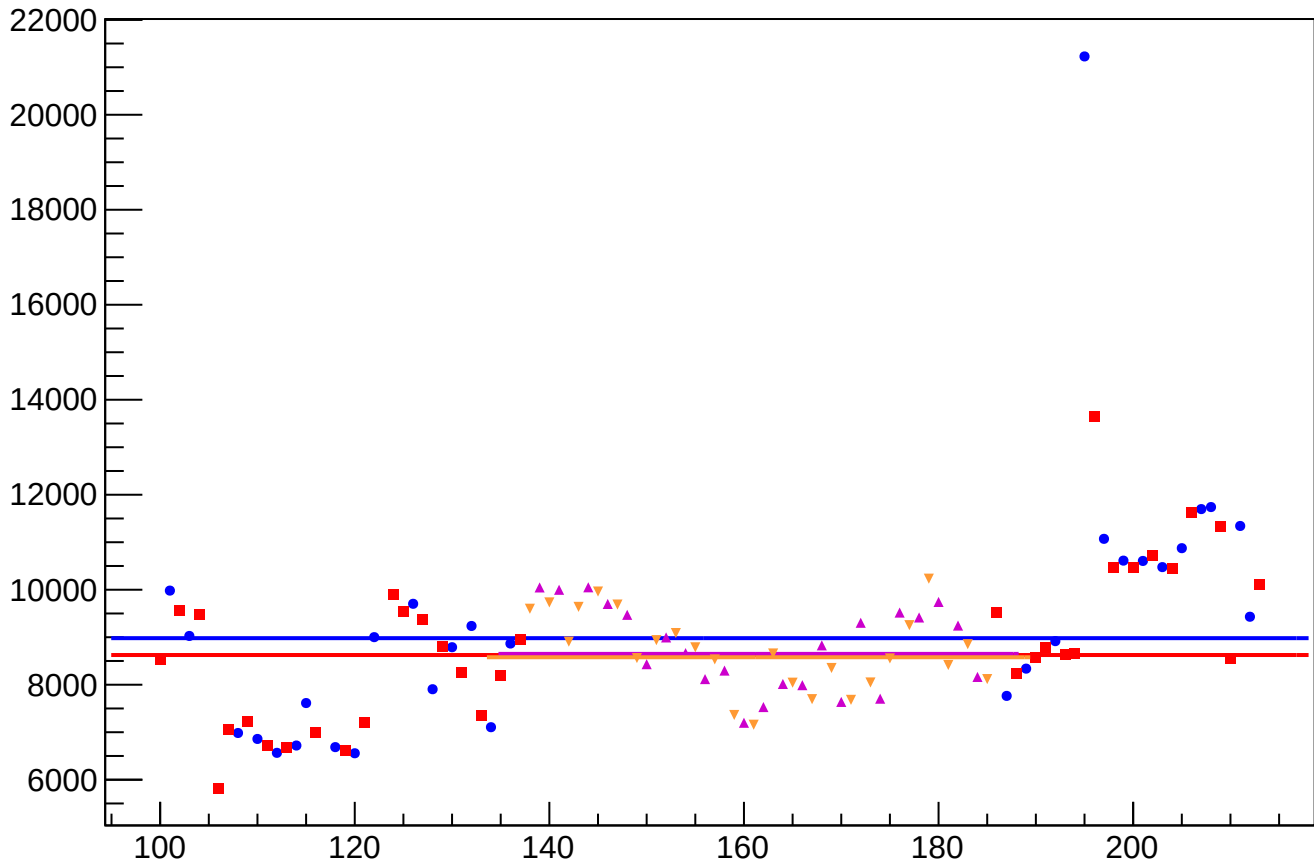
Left In: 10.892 ± 2.043 χ^2/NDF : 23.6/22

+ sign -4.799 ± 1.471 χ^2/NDF : 285.2/53

All: 0.576 ± 1.029 χ^2/NDF : 748.1/110

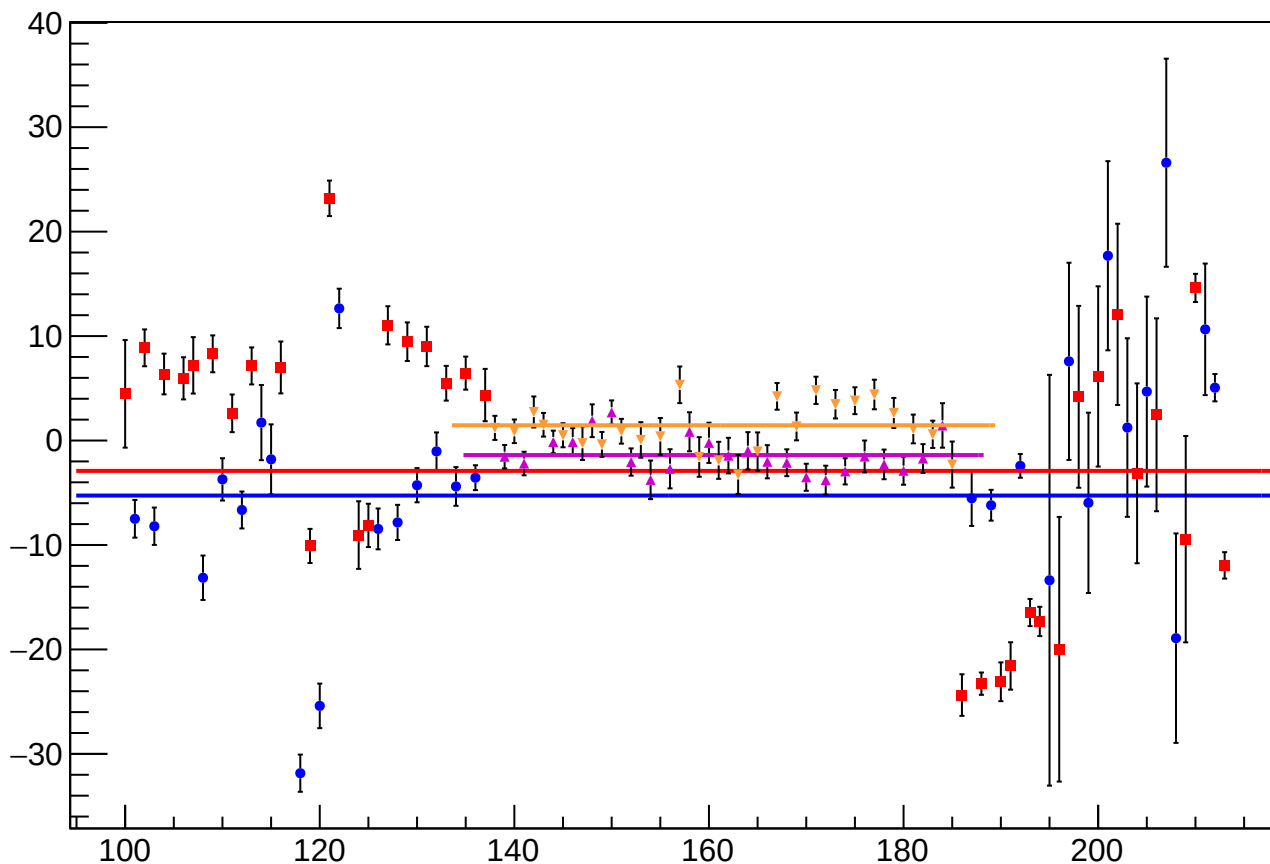
- sign 5.722 ± 1.440 χ^2/NDF : 436.8/56

diff_bpm0l08X_rms vs Slug



Right In: 8980.347+/-1.565	χ^2/NDF : 1704433.1/28	+ sign 8755.939+/-1.040	χ^2/NDF : 2084961.3/53
Left Out: 8578.396+/-1.392	χ^2/NDF : 343721.1/24	All: 8695.310+/-0.728	χ^2/NDF : 3781537.9/11
Right Out: 8625.443+/-1.435	χ^2/NDF : 1311861.0/33	- sign 8637.262+/-1.018	χ^2/NDF : 1689929.5/56
Left In: 8649.232+/-1.444	χ^2/NDF : 377932.0/22		

diff_bpm0l08Y_mean vs Slug



Right In: -5.267 ± 0.385 $\chi^2/\text{NDF}: 537.1/28$

Left Out: 1.461 ± 0.281 $\chi^2/\text{NDF}: 51.0/24$

Right Out: -2.906 ± 0.335 $\chi^2/\text{NDF}: 1783.8/33$

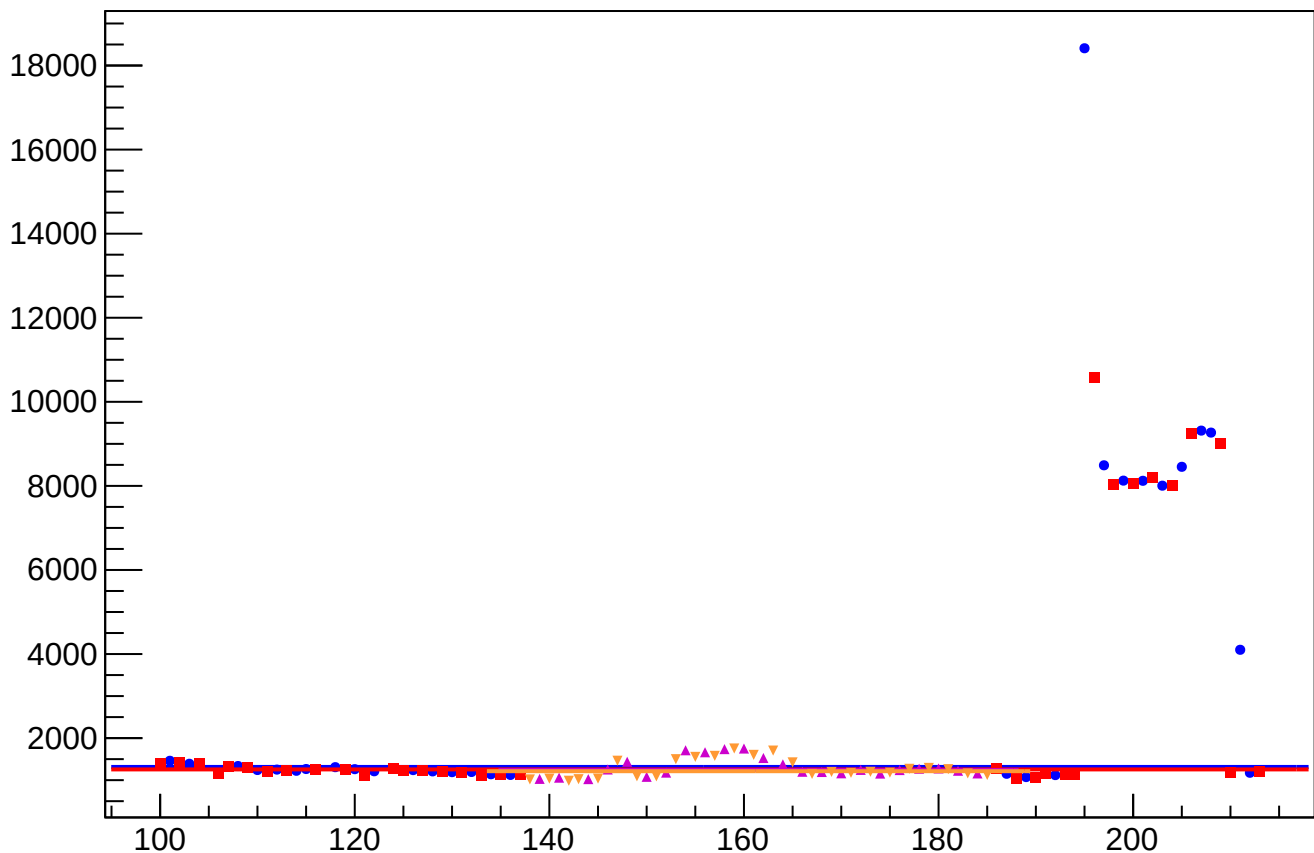
Left In: -1.390 ± 0.294 $\chi^2/\text{NDF}: 35.5/22$

+ sign -0.873 ± 0.227 $\chi^2/\text{NDF}: 787.7/53$

All: -1.477 ± 0.158 $\chi^2/\text{NDF}: 2632.4/110$

- sign -2.051 ± 0.221 $\chi^2/\text{NDF}: 1830.9/56$

diff_bpm0l08Y_rms vs Slug



Right In: 1314.206 $\pm$ 0.272 χ^2 /NDF: 10714441.1/28

Left Out: 1213.262 $\pm$ 0.198 χ^2 /NDF: 1012762.9/24

Right Out: 1255.546 $\pm$ 0.237 χ^2 /NDF: 9007429.6/33

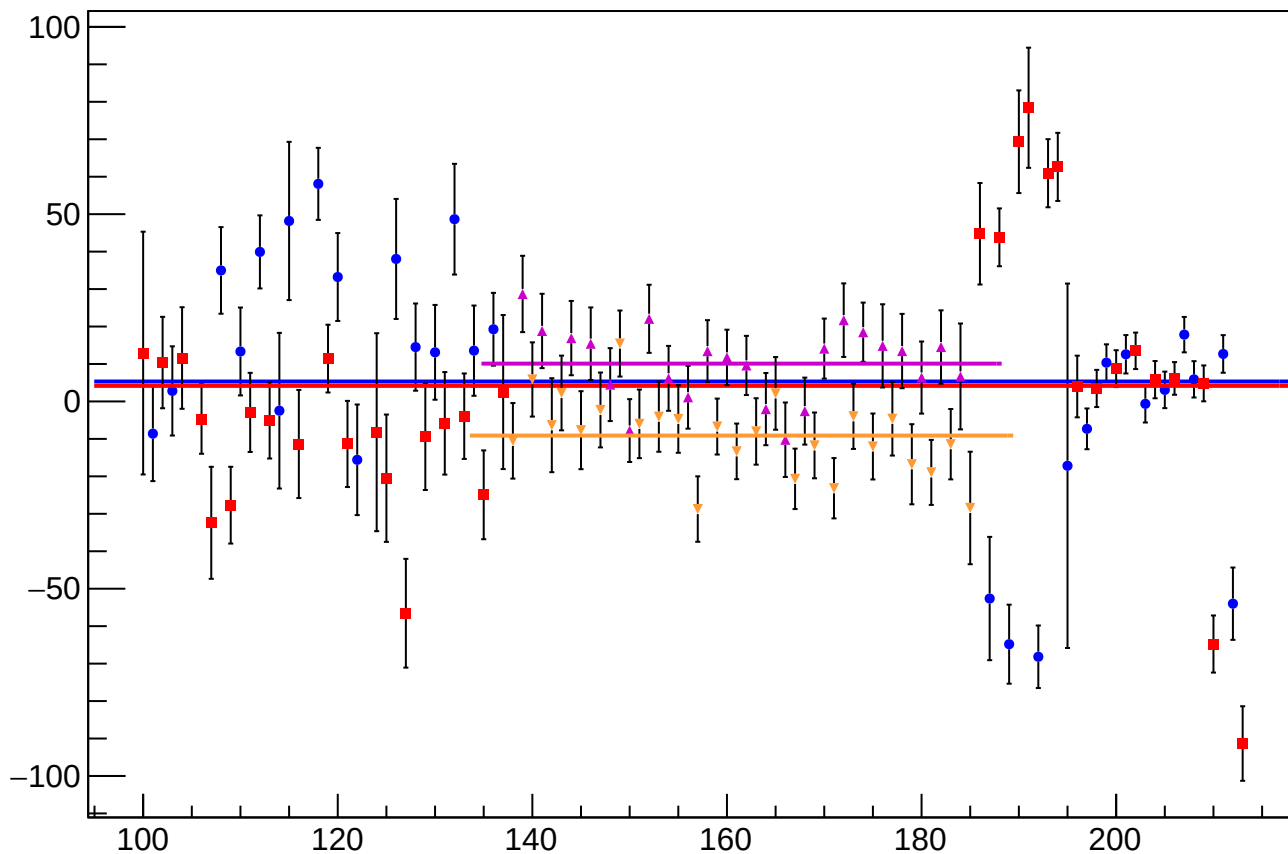
Left In: 1239.174 $\pm$ 0.208 χ^2 /NDF: 885596.7/22

+ sign 1248.279 $\pm$ 0.160 χ^2 /NDF: 11817035.6/53

All: 1247.270 $\pm$ 0.112 χ^2 /NDF: 21712837.6/100

- sign 1246.311 $\pm$ 0.156 χ^2 /NDF: 9895724.7/56

diff_bpm0l09X_mean vs Slug



Right In: 5.321 ± 1.464 $\chi^2/\text{NDF}: 270.5/28$

Left Out: -9.114 ± 1.842 $\chi^2/\text{NDF}: 28.8/24$

Right Out: 4.157 ± 1.447 $\chi^2/\text{NDF}: 388.4/33$

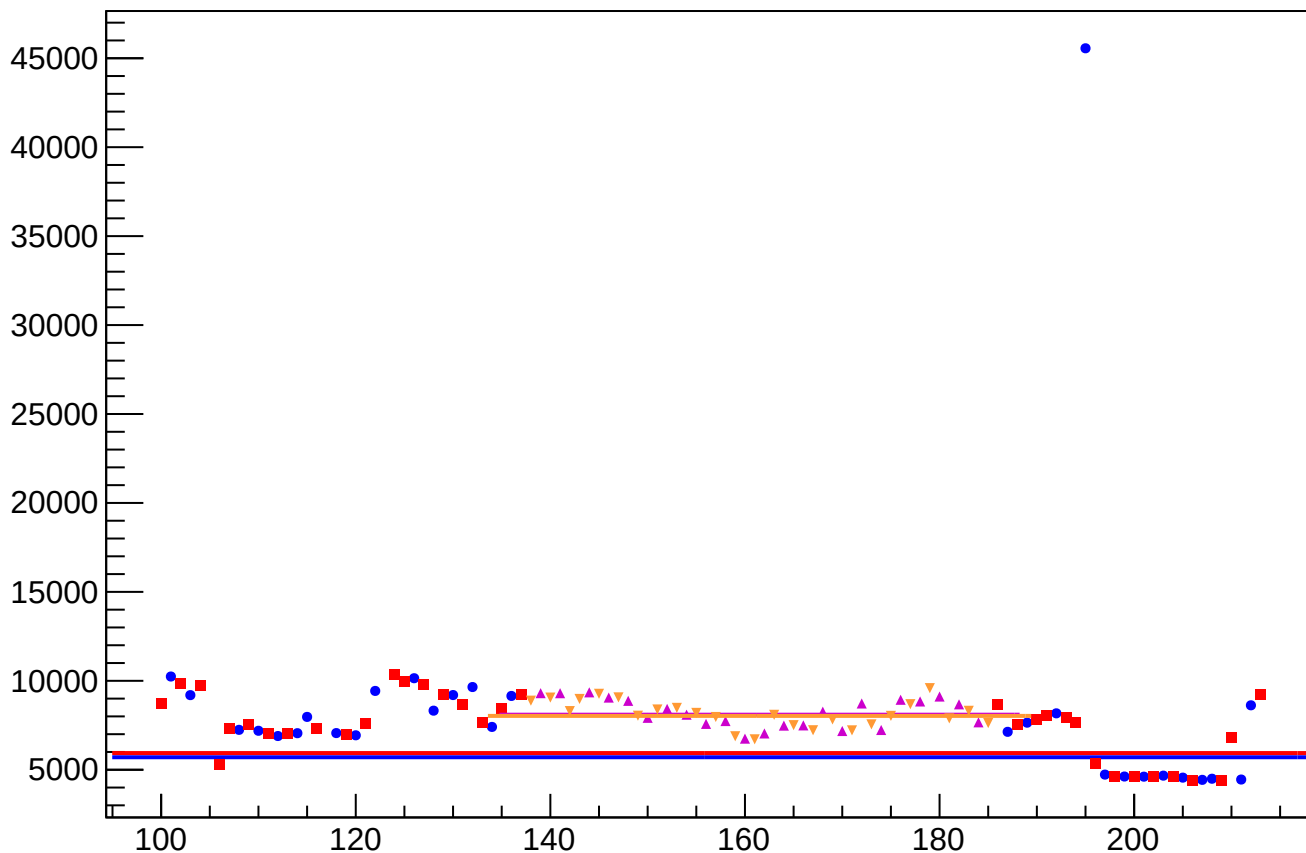
Left In: 10.095 ± 1.911 $\chi^2/\text{NDF}: 24.3/22$

+ sign -0.267 ± 1.146 $\chi^2/\text{NDF}: 336.8/53$

All: 3.005 ± 0.813 $\chi^2/\text{NDF}: 772.0/110$

- sign 6.321 ± 1.154 $\chi^2/\text{NDF}: 418.8/56$

diff_bpm0l09X_rms vs Slug



Right In: 5703.978+/-1.035 χ^2/NDF : 4215203.3/28

Left Out: 8028.056+/-1.303 χ^2/NDF : 332457.9/24

Right Out: 5939.201+/-1.024 χ^2/NDF : 2976648.0/33

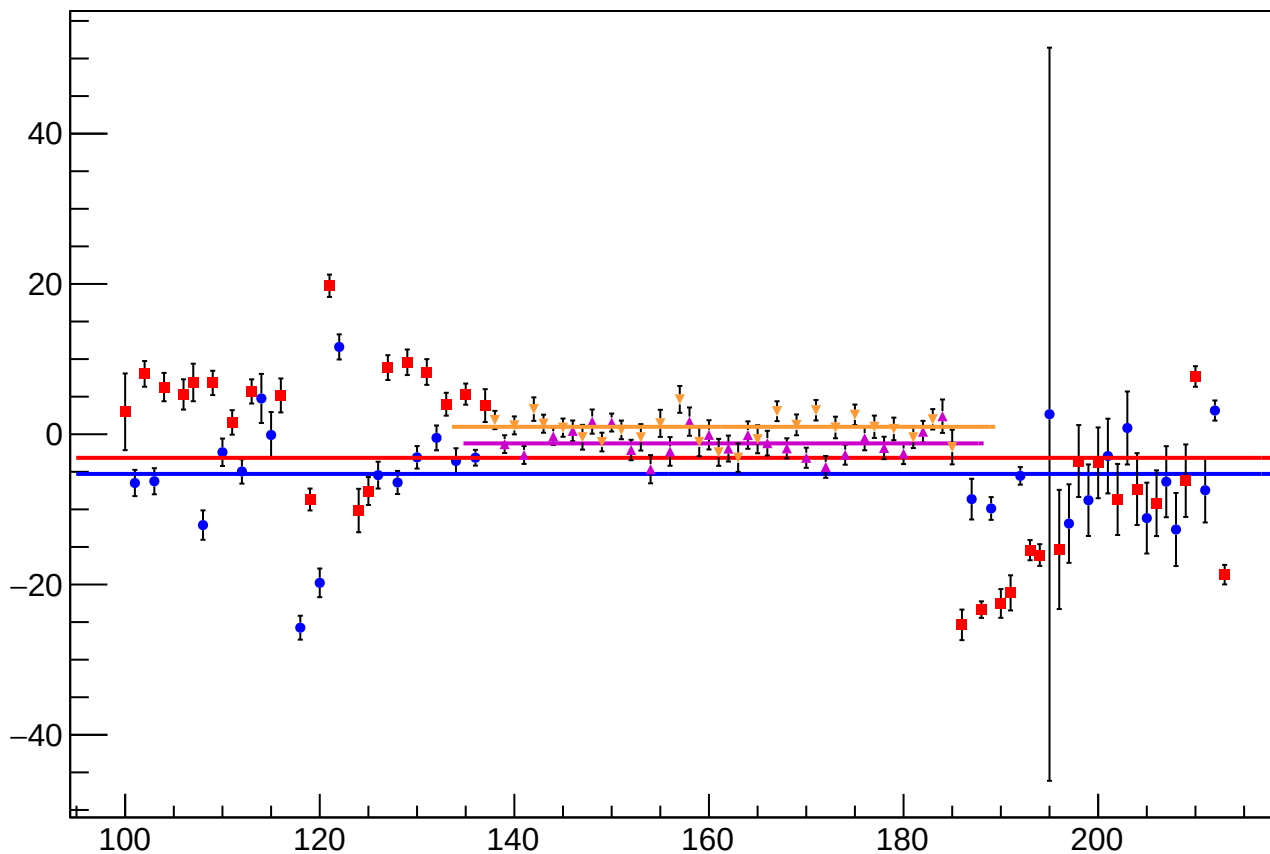
Left In: 8095.368+/-1.351 χ^2/NDF : 367451.5/22

+ sign 6603.694+/-0.811 χ^2/NDF : 6497981.7/53

All: 6664.002+/-0.575 χ^2/NDF : 11470827.7/100

- sign 6725.105+/-0.816 χ^2/NDF : 4961702.6/56

diff_bpm0l09Y_mean vs Slug



Right In: -5.281 ± 0.357 $\chi^2/\text{NDF}: 428.6/28$

Left Out: 0.988 ± 0.292 $\chi^2/\text{NDF}: 31.0/24$

Right Out: -3.139 ± 0.318 $\chi^2/\text{NDF}: 1671.1/33$

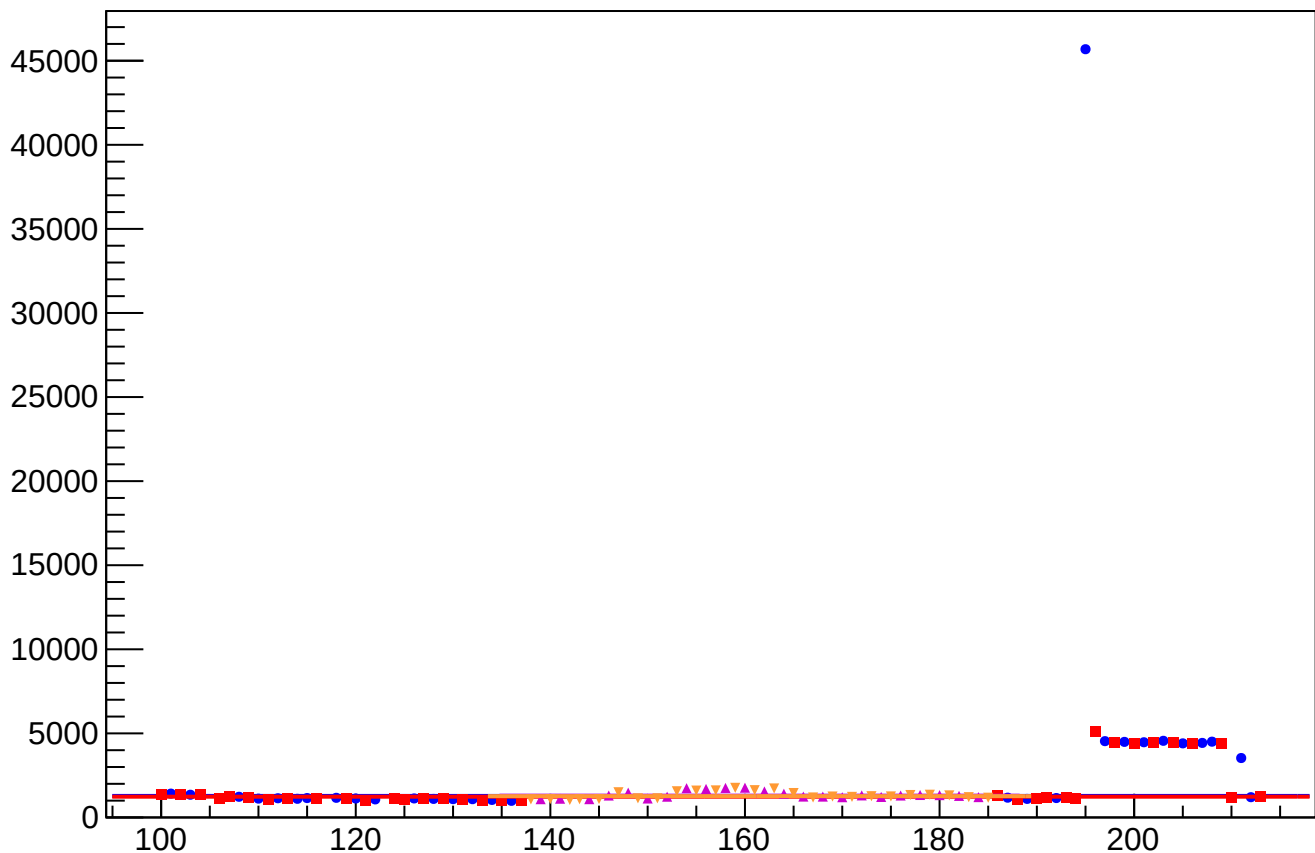
Left In: -1.219 ± 0.307 $\chi^2/\text{NDF}: 33.1/22$

+ sign -1.530 ± 0.226 $\chi^2/\text{NDF}: 644.3/53$

All: -1.845 ± 0.158 $\chi^2/\text{NDF}: 2371.3/110$

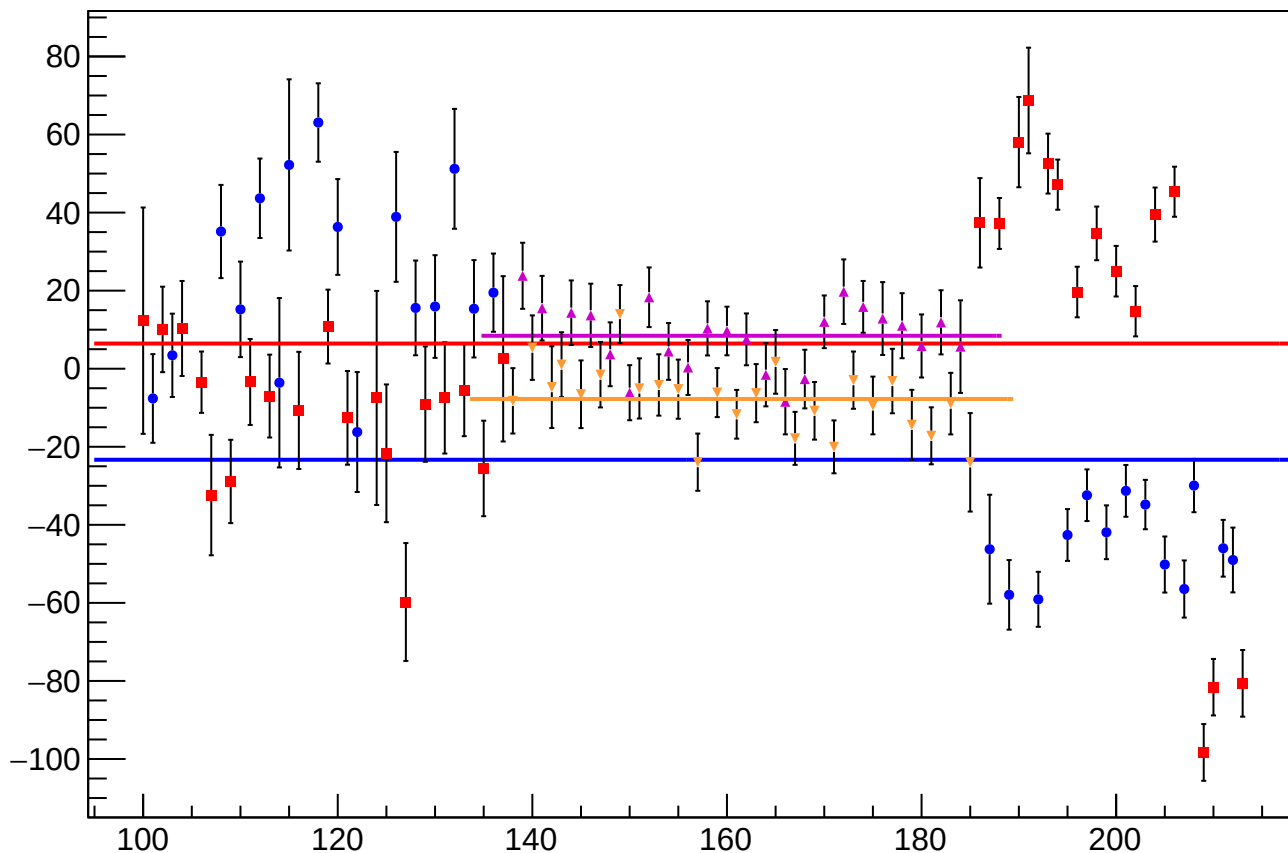
- sign -2.145 ± 0.221 $\chi^2/\text{NDF}: 1723.1/56$

diff_bpm0l09Y_rms vs Slug



Right In: 1280.298+/-0.252	χ^2/NDF : 8746511.9/28	+ sign 1272.583+/-0.160	χ^2/NDF : 9626505.7/53
Left Out: 1267.405+/-0.207	χ^2/NDF : 878431.8/24	All: 1269.040+/-0.112	χ^2/NDF : 16824349.6/1
Right Out: 1235.166+/-0.225	χ^2/NDF : 6403082.9/33	- sign 1265.670+/-0.156	χ^2/NDF : 7196886.3/56
Left In: 1294.076+/-0.217	χ^2/NDF : 758193.5/22		

diff_bpm0l10X_mean vs Slug



Right In: -23.329 ± 1.698 $\chi^2/\text{NDF}: 401.1/28$

Left Out: -7.752 ± 1.547 $\chi^2/\text{NDF}: 30.4/24$

Right Out: 6.446 ± 1.592 $\chi^2/\text{NDF}: 754.6/33$

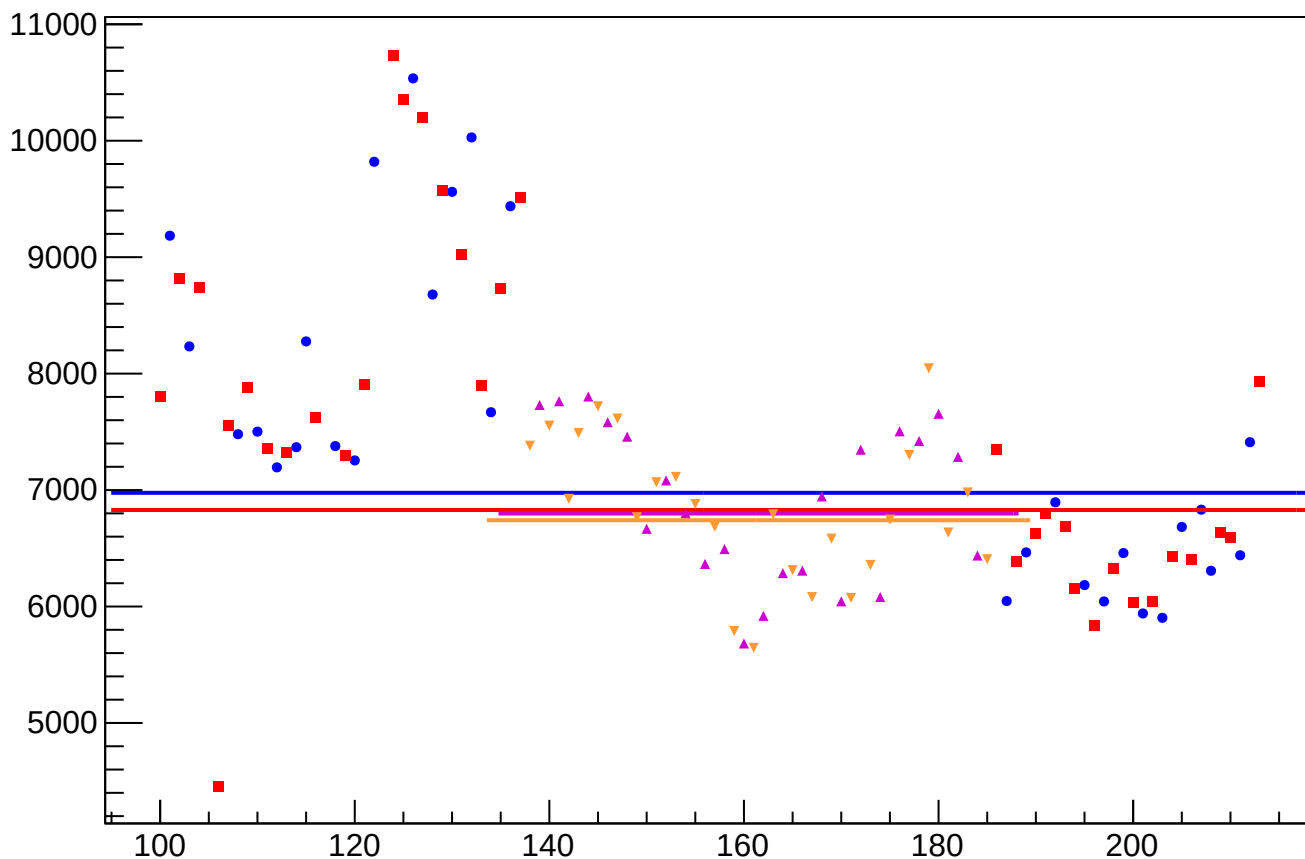
Left In: 8.438 ± 1.605 $\chi^2/\text{NDF}: 24.8/22$

+ sign -14.814 ± 1.143 $\chi^2/\text{NDF}: 477.5/53$

All: -3.560 ± 0.804 $\chi^2/\text{NDF}: 1449.2/110$

- sign 7.434 ± 1.130 $\chi^2/\text{NDF}: 780.2/56$

diff_bpm0l10X_rms vs Slug



Right In: 6976.434+/-1.201 χ^2/NDF : 846876.3/28

Left Out: 6740.835+/-1.094 χ^2/NDF : 316707.6/24

Right Out: 6828.877+/-1.126 χ^2/NDF : 998668.6/33

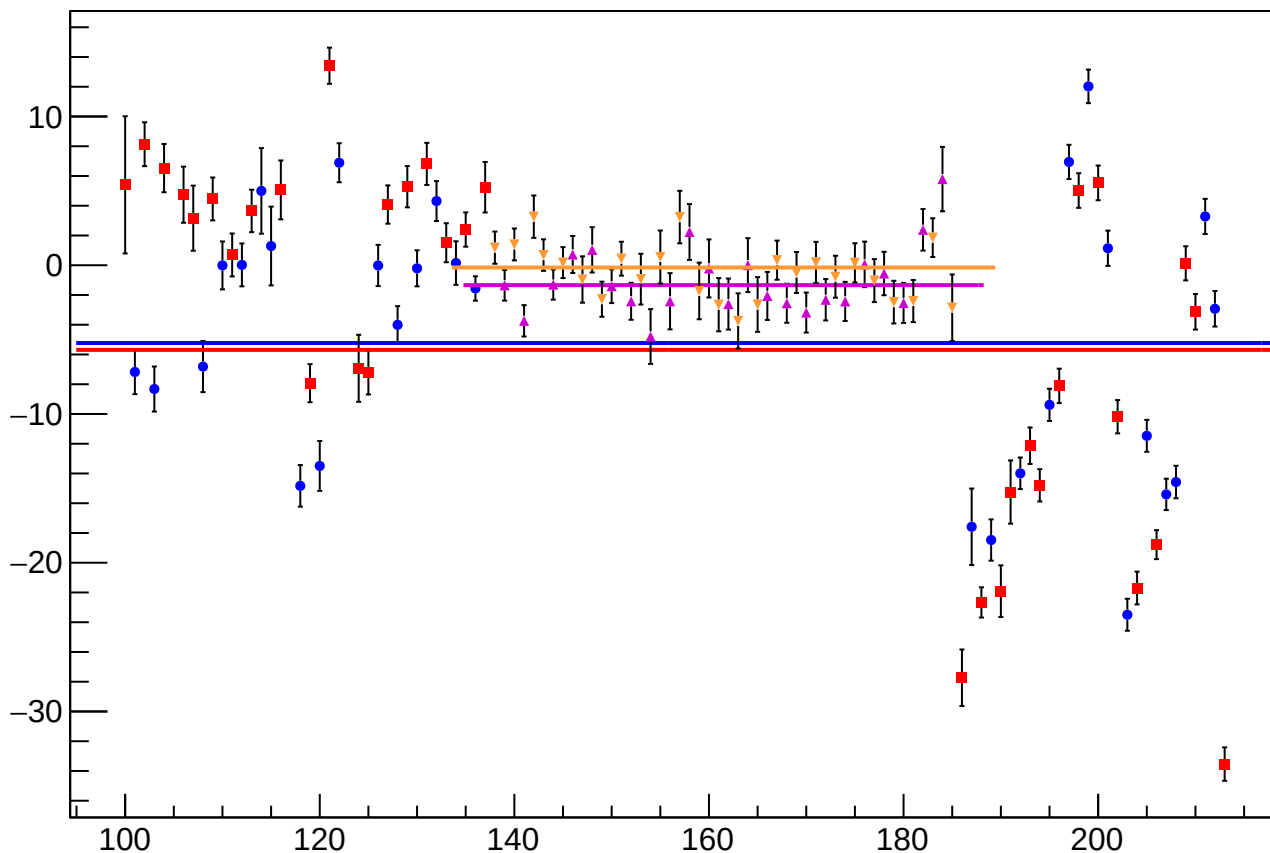
Left In: 6798.524+/-1.135 χ^2/NDF : 353277.6/22

+ sign 6847.647+/-0.809 χ^2/NDF : 1184624.8/53

All: 6830.536+/-0.568 χ^2/NDF : 2537817.1/11

- sign 6813.821+/-0.799 χ^2/NDF : 1352306.9/56

diff_bpm0l10Y_mean vs Slug



Right In: -5.226 ± 0.238 $\chi^2/\text{NDF}: 1437.6/28$

Left Out: -0.152 ± 0.277 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -5.689 ± 0.231 $\chi^2/\text{NDF}: 2762.2/33$

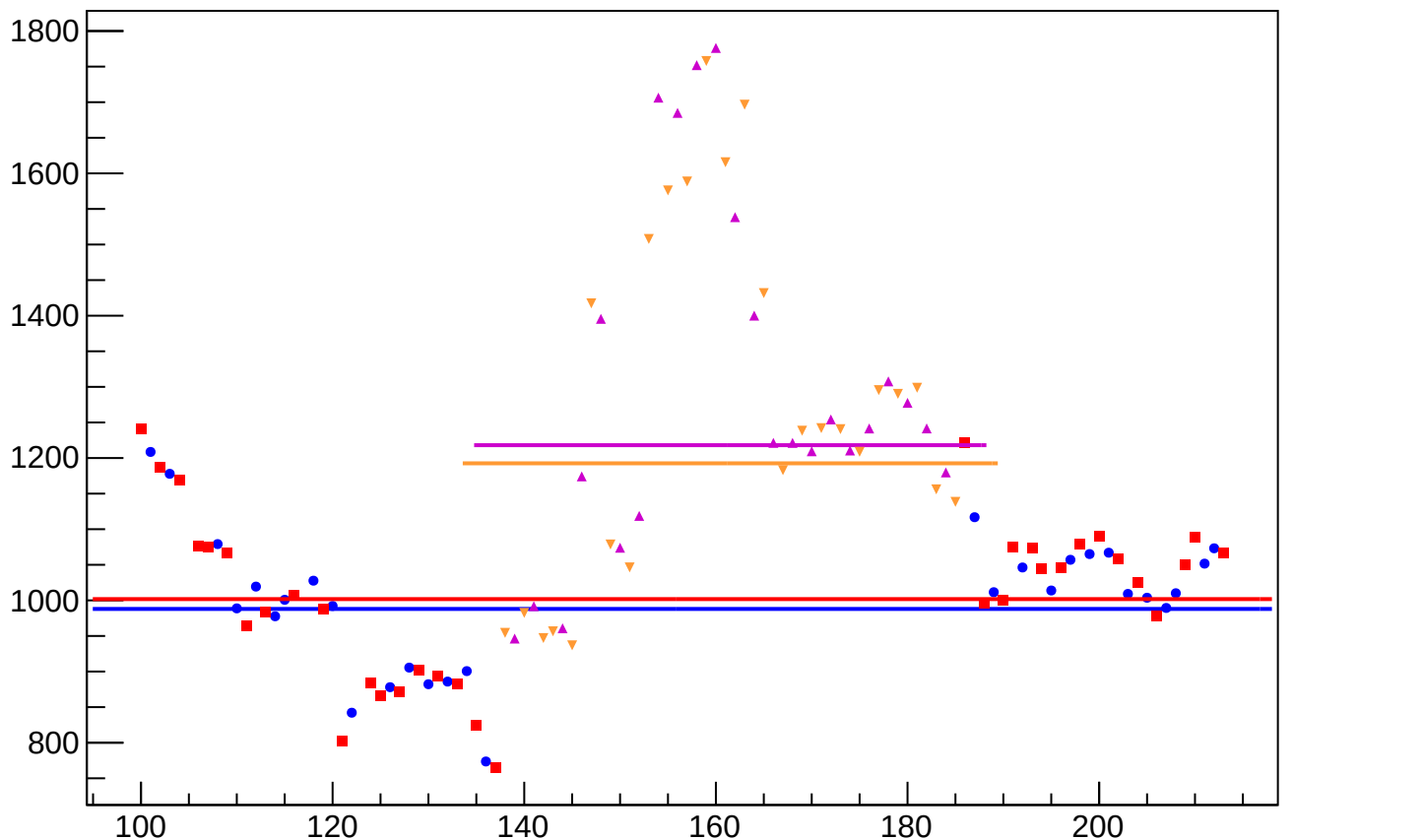
Left In: -1.337 ± 0.290 $\chi^2/\text{NDF}: 44.0/22$

+ sign -3.071 ± 0.180 $\chi^2/\text{NDF}: 1667.1/53$

All: -3.537 ± 0.128 $\chi^2/\text{NDF}: 4624.5/110$

- sign -4.003 ± 0.181 $\chi^2/\text{NDF}: 2944.1/56$

diff_bpm0l10Y_rms vs Slug



Right In: 987.965 $\pm$ 0.168 χ^2 /NDF: 356304.6/28

Left Out: 1192.579 $\pm$ 0.196 χ^2 /NDF:1320181.3/24

Right Out: 1001.794 $\pm$ 0.163 χ^2 /NDF: 382239.8/33

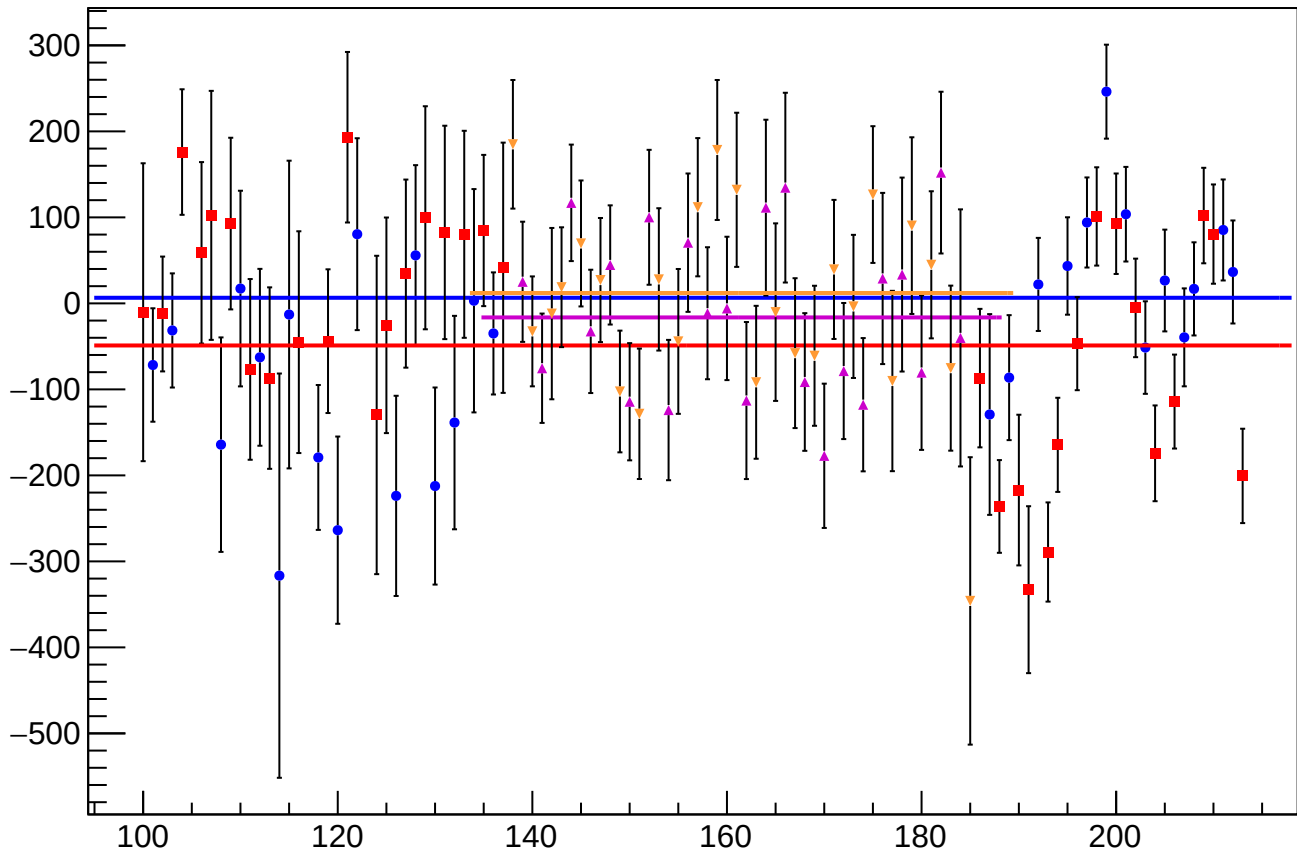
Left In: 1218.058 $\pm$ 0.205 χ^2 /NDF:1127896.8/22

+ sign 1074.870 $\pm$ 0.128 χ^2 /NDF: 2305618.1/53

All: 1080.200 $\pm$ 0.090 χ^2 /NDF: 4500044.2/11

- sign 1085.544 $\pm$ 0.128 χ^2 /NDF: 2190926.9/56

diff_bpm0r03X_mean vs Slug



Right In: 6.520 ± 13.599 $\chi^2/\text{NDF}: 59.6/28$

Left Out: 12.081 ± 16.608 $\chi^2/\text{NDF}: 32.8/24$

Right Out: -48.943 ± 12.970 $\chi^2/\text{NDF}: 113.5/33$

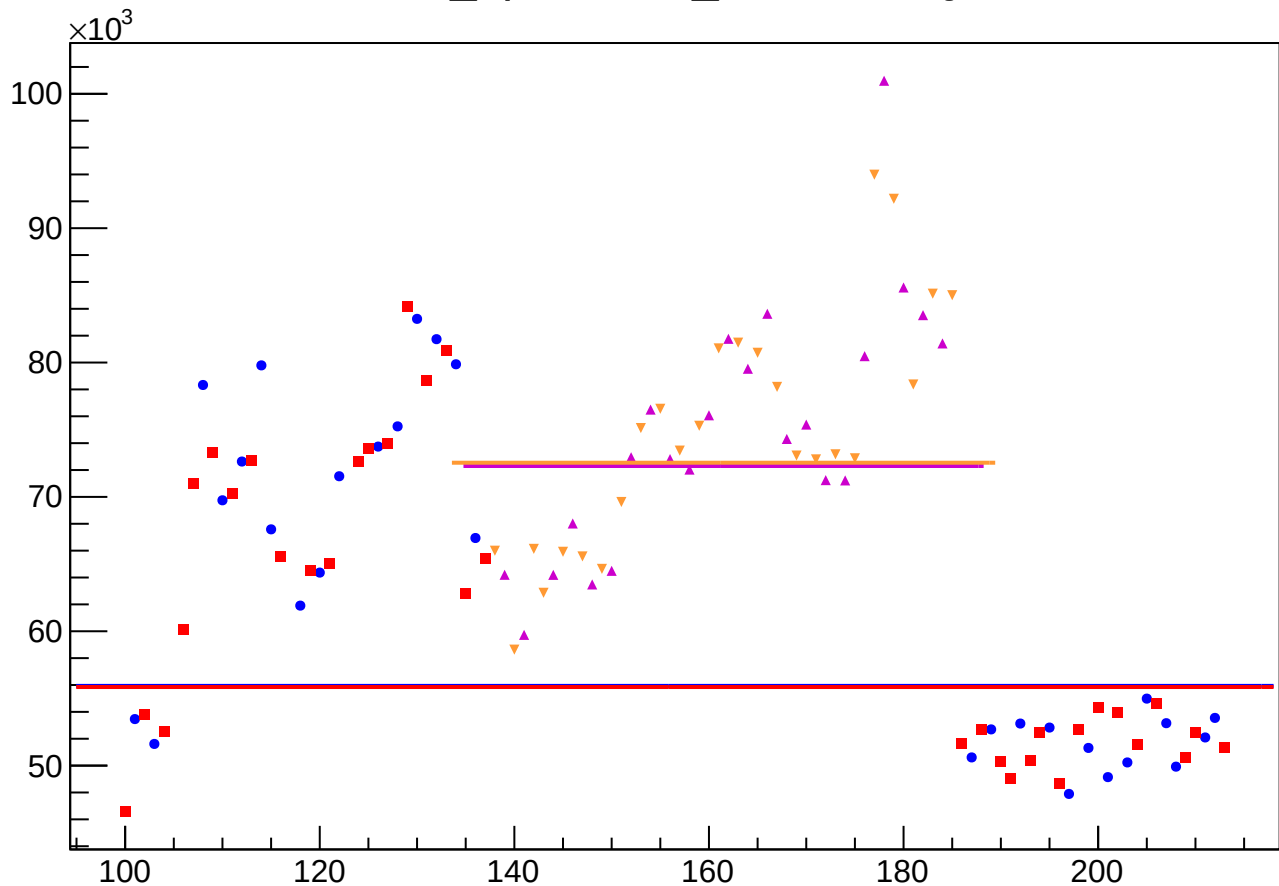
Left In: -16.339 ± 17.018 $\chi^2/\text{NDF}: 28.7/22$

+ sign 8.752 ± 10.522 $\chi^2/\text{NDF}: 92.4/53$

All: -14.558 ± 7.366 $\chi^2/\text{NDF}: 246.6/110$

- sign -36.963 ± 10.316 $\chi^2/\text{NDF}: 144.5/56$

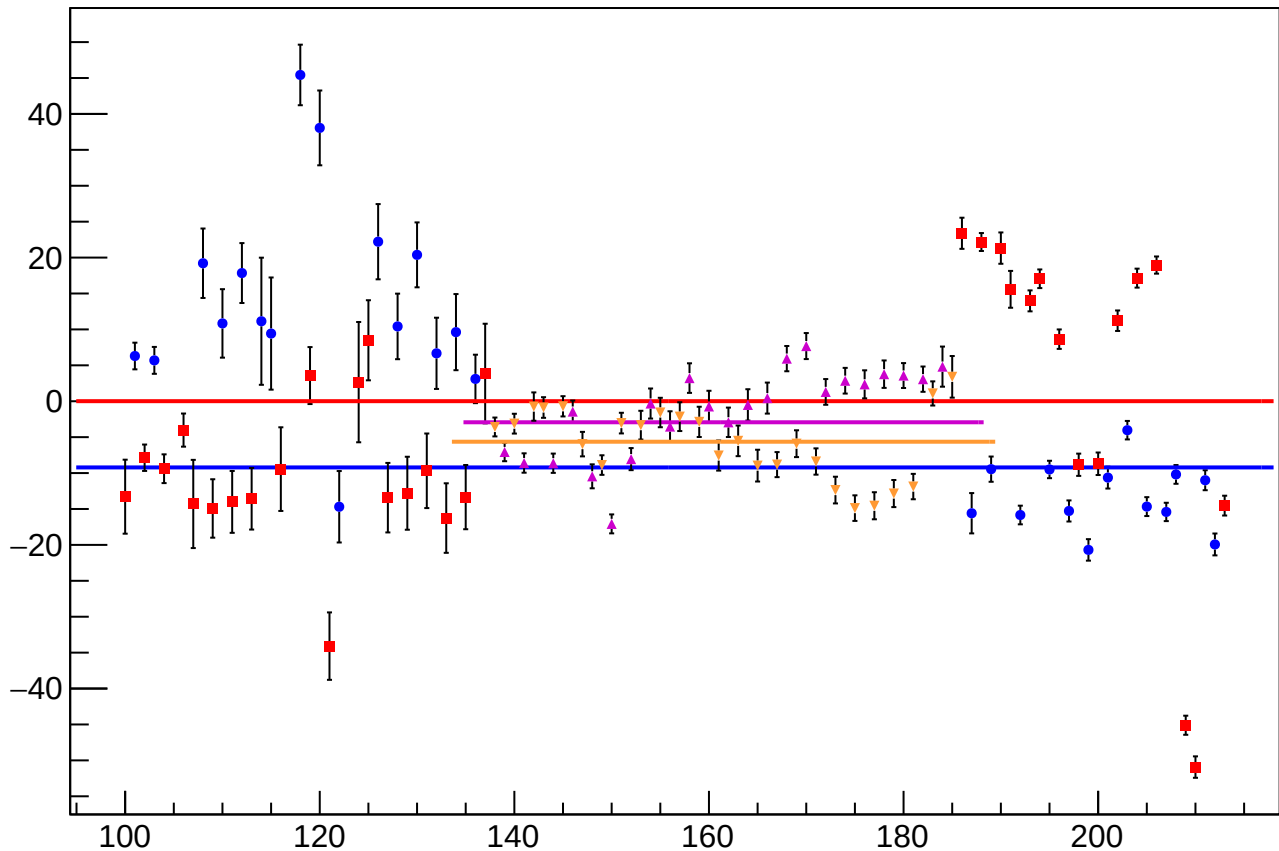
diff_bpm0r03X_rms vs Slug



Right In: 55933.678 $\pm$ 9.616 χ^2 /NDF: 854624.3/28
 Left Out: 72544.327 $\pm$ 11.744 χ^2 /NDF: 500066.2/24
 Right Out: 55849.577 $\pm$ 9.171 χ^2 /NDF: 770504.2/33
 Left In: 72300.590 $\pm$ 12.033 χ^2 /NDF: 488780.3/22

+ sign 62600.772 $\pm$ 7.440 χ^2 /NDF: 2552334.1/53
 All: 62240.586 $\pm$ 5.209 χ^2 /NDF: 4998468.4/100
 - sign 61894.375 $\pm$ 7.294 χ^2 /NDF: 2441537.8/56

diff_bpm0r03Y_mean vs Slug



Right In: -9.215 ± 0.363 $\chi^2/\text{NDF}: 840.6/28$

Left Out: -5.636 ± 0.349 $\chi^2/\text{NDF}: 178.2/24$

Right Out: 0.009 ± 0.346 $\chi^2/\text{NDF}: 4029.0/33$

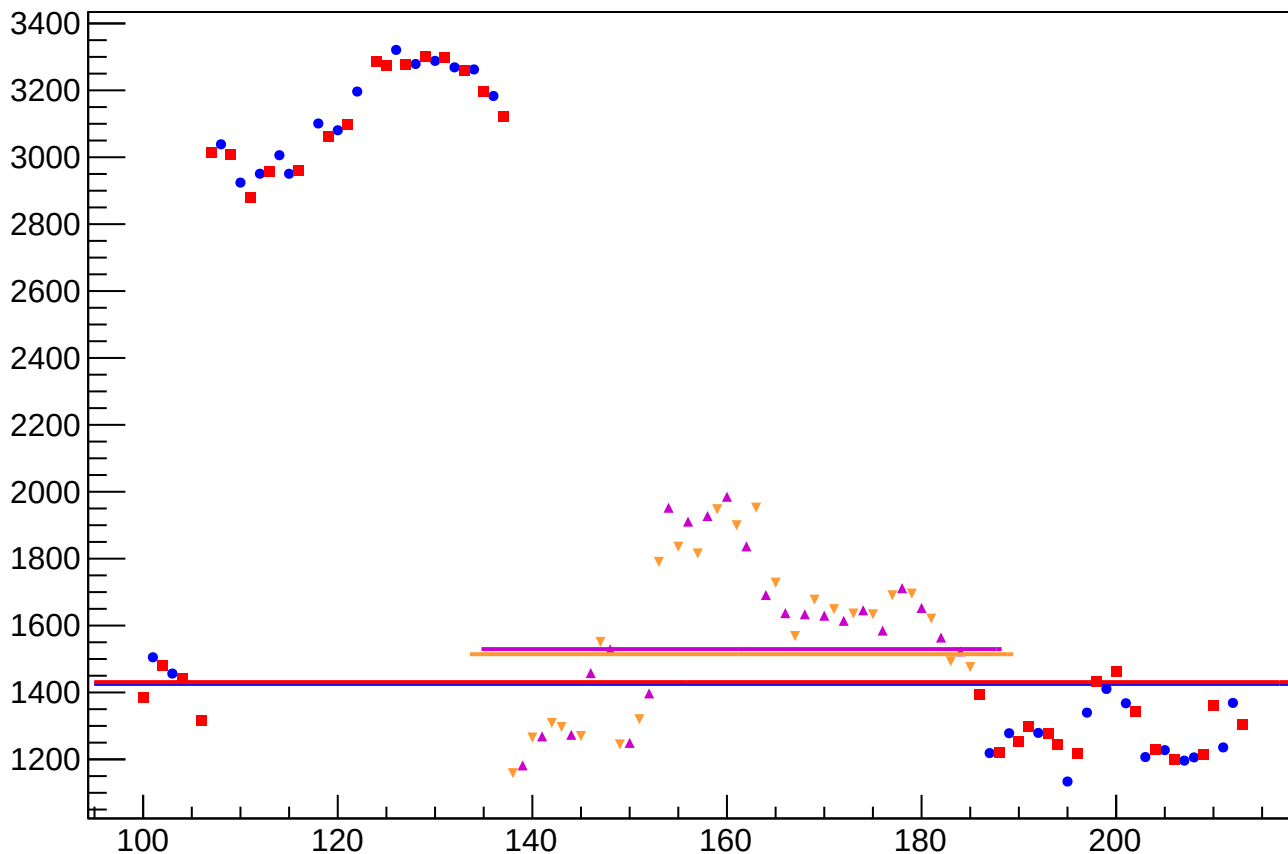
Left In: -2.929 ± 0.362 $\chi^2/\text{NDF}: 337.4/22$

+ sign -7.354 ± 0.252 $\chi^2/\text{NDF}: 1069.2/53$

All: -4.358 ± 0.177 $\chi^2/\text{NDF}: 5752.0/110$

- sign -1.393 ± 0.250 $\chi^2/\text{NDF}: 4400.8/56$

diff_bpm0r03Y_rms vs Slug



Right In: 1425.650+/-0.257 χ^2/NDF : 4035630.7/28

Left Out: 1514.334+/-0.247 χ^2/NDF : 933332.1/24

Right Out: 1430.880+/-0.245 χ^2/NDF : 3895881.0/33

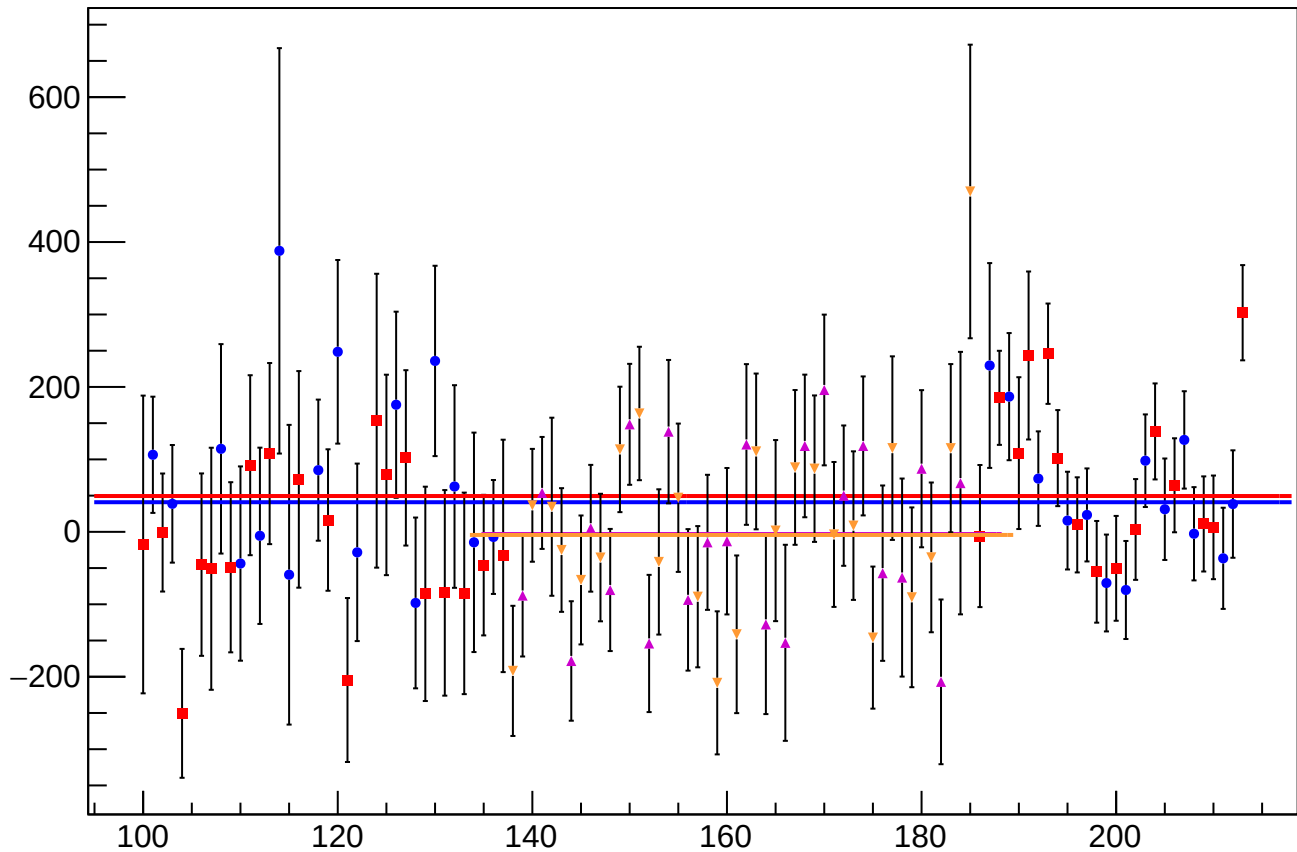
Left In: 1529.635+/-0.256 χ^2/NDF : 828481.7/22

+ sign 1471.762+/-0.178 χ^2/NDF : 5030945.4/53

All: 1474.913+/-0.126 χ^2/NDF : 9833591.0/11

- sign 1478.031+/-0.177 χ^2/NDF : 4802021.7/56

diff_bpm0r05X_mean vs Slug



Right In: 40.894 $\pm$ 16.192 χ^2 /NDF: 26.8/28

Left Out: -4.274 $\pm$ 20.240 χ^2 /NDF:30.4/24

Right Out: 49.445 $\pm$ 15.493 χ^2 /NDF: 62.2/33

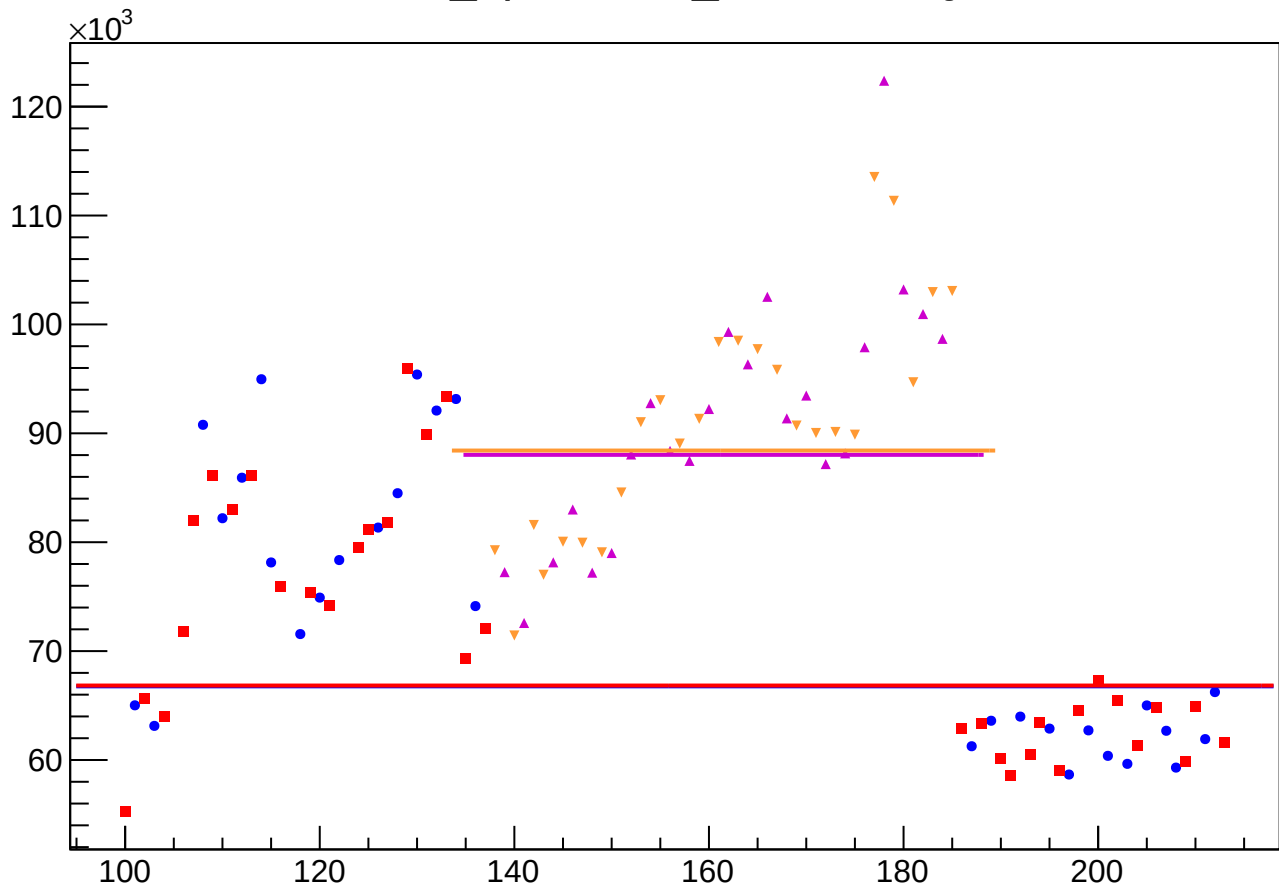
Left In: -3.017 $\pm$ 20.720 χ^2 /NDF:30.7/22

+ sign 23.267 $\pm$ 12.644 χ^2 /NDF: 60.3/53

All: 27.019 $\pm$ 8.856 χ^2 /NDF: 157.5/110

- sign 30.632 $\pm$ 12.408 χ^2 /NDF: 97.0/56

diff_bpm0r05X_rms vs Slug



Right In: 66764.379 $\pm$ 11.450 χ^2 /NDF: 646572.9/28

Left Out: 88417.953 $\pm$ 14.312 χ^2 /NDF: 481954.0/24

Right Out: 66838.189 $\pm$ 10.955 χ^2 /NDF: 595089.4/33

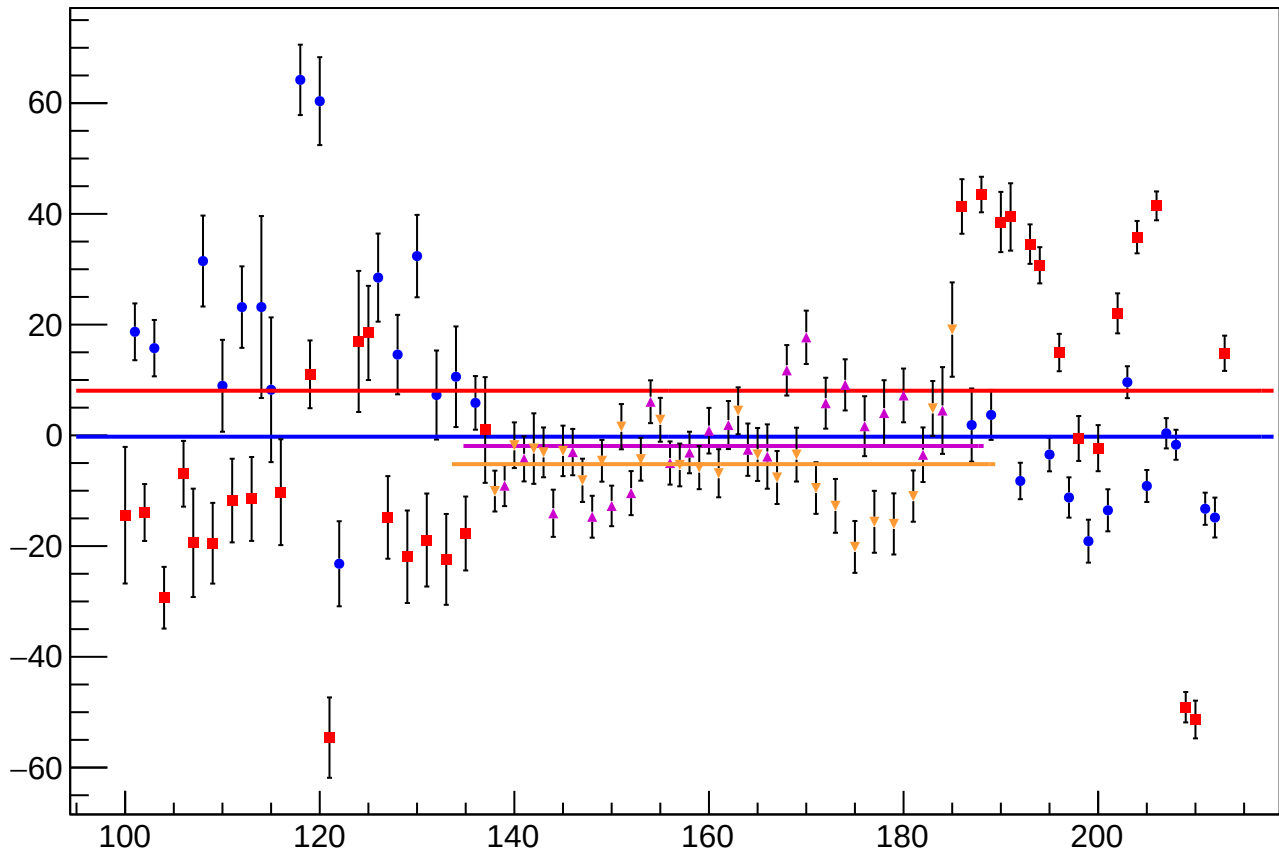
Left In: 88023.592 $\pm$ 14.651 χ^2 /NDF: 484812.2/22

+ sign 75214.612 $\pm$ 8.941 χ^2 /NDF: 2524325.5/53

All: 74817.672 $\pm$ 6.262 χ^2 /NDF: 4949184.7/100

- sign 74435.416 $\pm$ 8.774 χ^2 /NDF: 2420989.8/56

diff_bpm0r05Y_mean vs Slug



Right In: -0.243 ± 0.815 χ^2/NDF : 373.5/28

Left Out: -5.206 ± 0.894 χ^2/NDF : 51.0/24

Right Out: 8.061 ± 0.796 χ^2/NDF : 1605.9/33

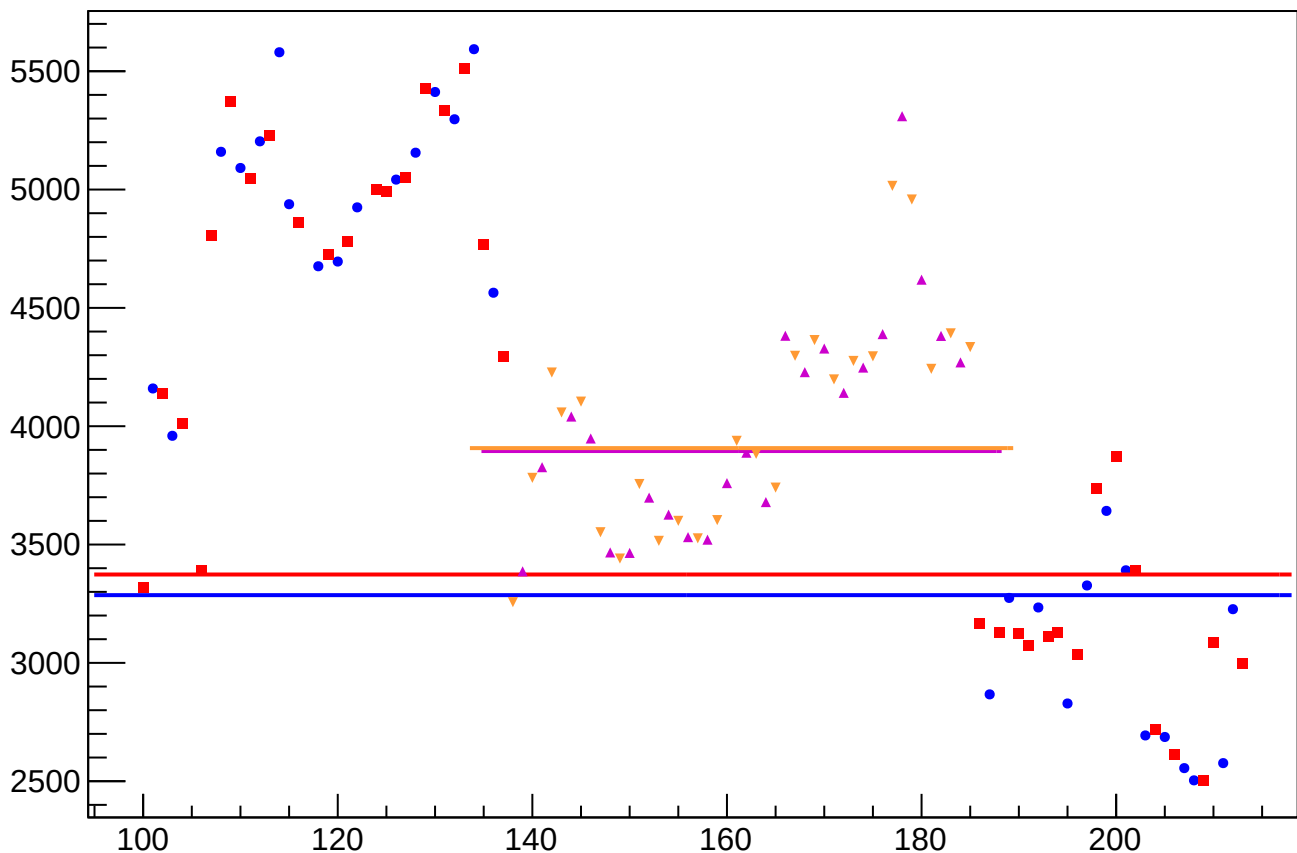
Left In: -1.924 ± 0.916 χ^2/NDF : 83.2/22

+ sign -2.496 ± 0.602 χ^2/NDF : 441.3/53

All: 0.640 ± 0.425 χ^2/NDF : 2252.3/110

- sign 3.764 ± 0.601 χ^2/NDF : 1756.8/56

diff_bpm0r05Y_rms vs Slug



Right In: 3286.201 $\pm$ 0.576 χ^2 /NDF: 2210525.6/28

Left Out: 3907.465 $\pm$ 0.632 χ^2 /NDF: 441202.5/24

Right Out: 3373.410 $\pm$ 0.563 χ^2 /NDF: 2004335.5/33

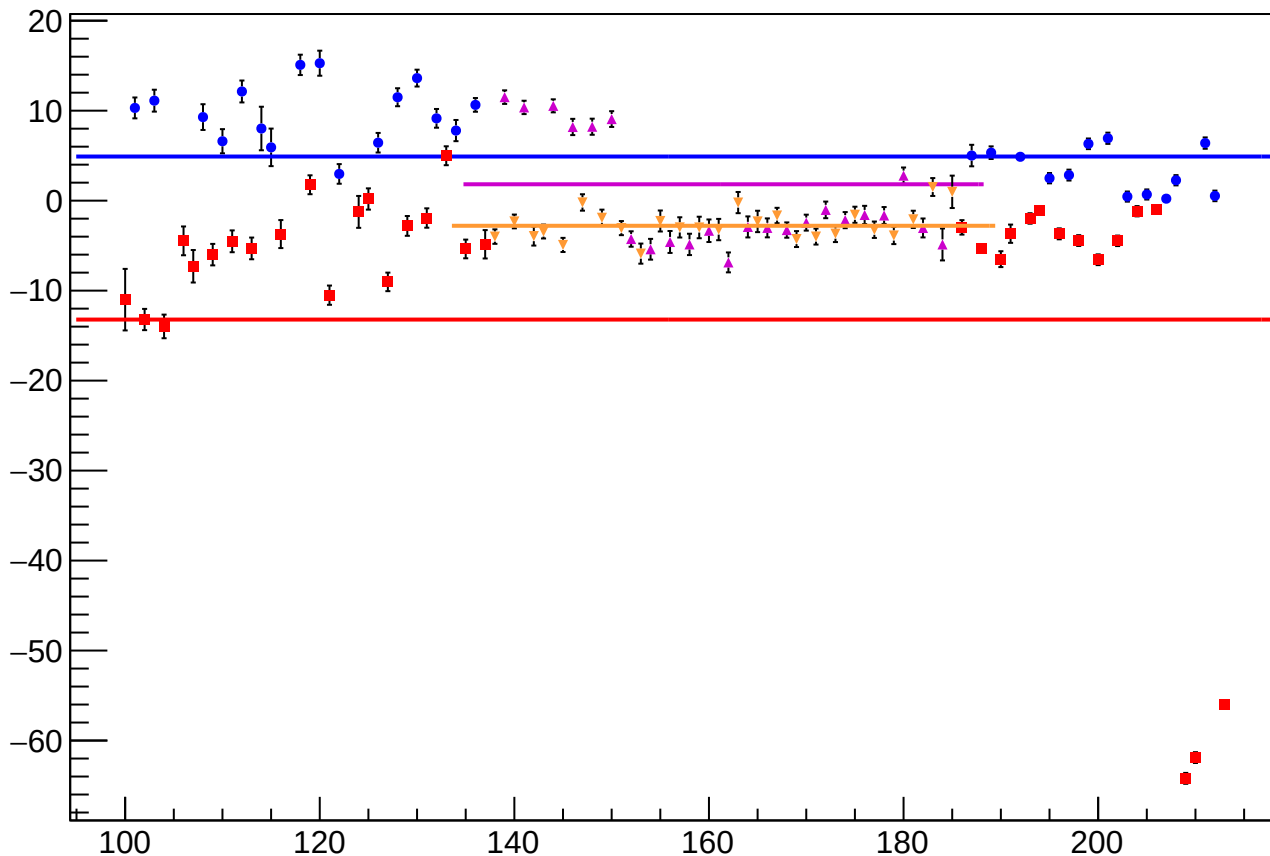
Left In: 3895.108 $\pm$ 0.648 χ^2 /NDF: 409913.9/22

+ sign 3568.269 $\pm$ 0.426 χ^2 /NDF: 3179240.6/53

All: 3583.139 $\pm$ 0.301 χ^2 /NDF: 5965226.6/11

- sign 3597.952 $\pm$ 0.425 χ^2 /NDF: 2783552.5/56

diff_bpm2i01X_mean vs Slug



Right In: 4.904 ± 0.145 χ^2/NDF : 764.6/28

Left Out: -2.792 ± 0.190 χ^2/NDF : 68.4/24

Right Out: -13.215 ± 0.137 χ^2/NDF : 24347.6/33

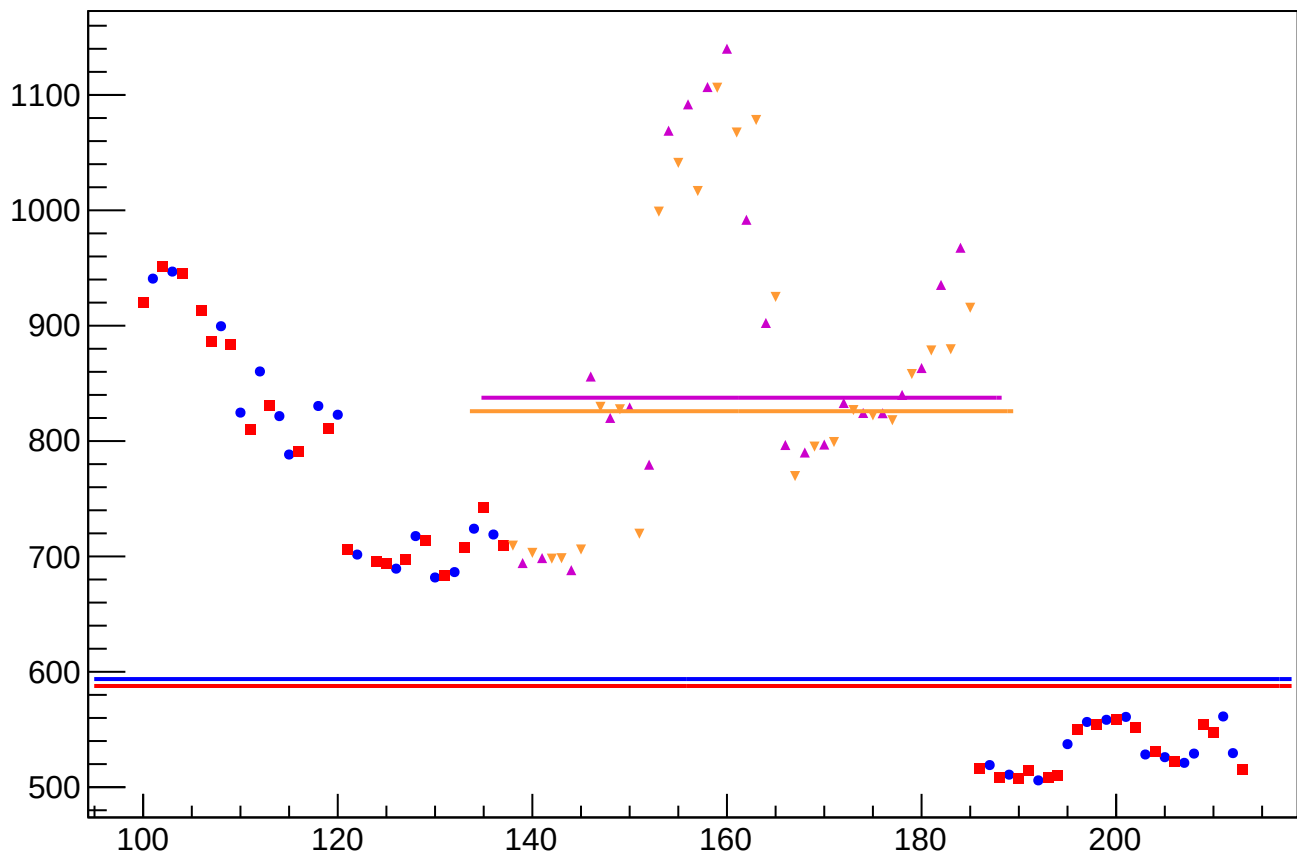
Left In: 1.820 ± 0.198 χ^2/NDF : 1026.0/22

+ sign 2.080 ± 0.115 χ^2/NDF : 1871.1/53

All: -3.244 ± 0.081 χ^2/NDF : 35326.1/110

- sign -8.349 ± 0.113 χ^2/NDF : 29266.9/56

diff_bpm2i01X_rms vs Slug



Right In: 593.715 $\pm$ 0.102 χ^2 /NDF: 1227038.8/28

Left Out: 825.883 $\pm$ 0.134 χ^2 /NDF: 765050.9/24

Right Out: 587.705 $\pm$ 0.097 χ^2 /NDF: 1384186.7/33

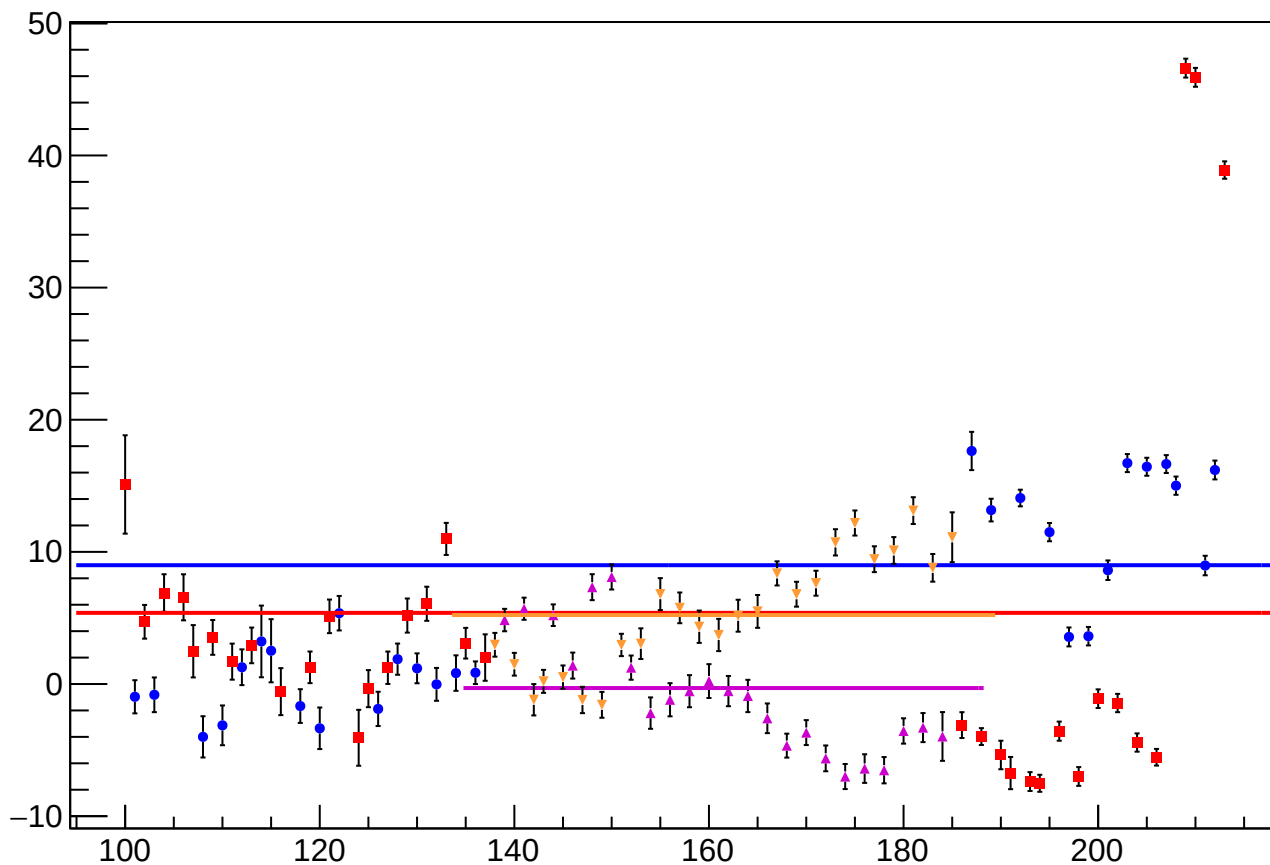
Left In: 837.569 $\pm$ 0.140 χ^2 /NDF: 714157.0/22

+ sign 678.906 $\pm$ 0.081 χ^2 /NDF: 3881175.8/53

All: 673.636 $\pm$ 0.057 χ^2 /NDF: 8138125.9/110

- sign 668.583 $\pm$ 0.080 χ^2 /NDF: 4248743.7/56

diff_bpm2i01Y_mean vs Slug



Right In: 8.992 ± 0.172 χ^2/NDF : 1578.2/28

Left Out: 5.219 ± 0.204 χ^2/NDF : 449.9/24

Right Out: 5.385 ± 0.163 χ^2/NDF : 11609.4/33

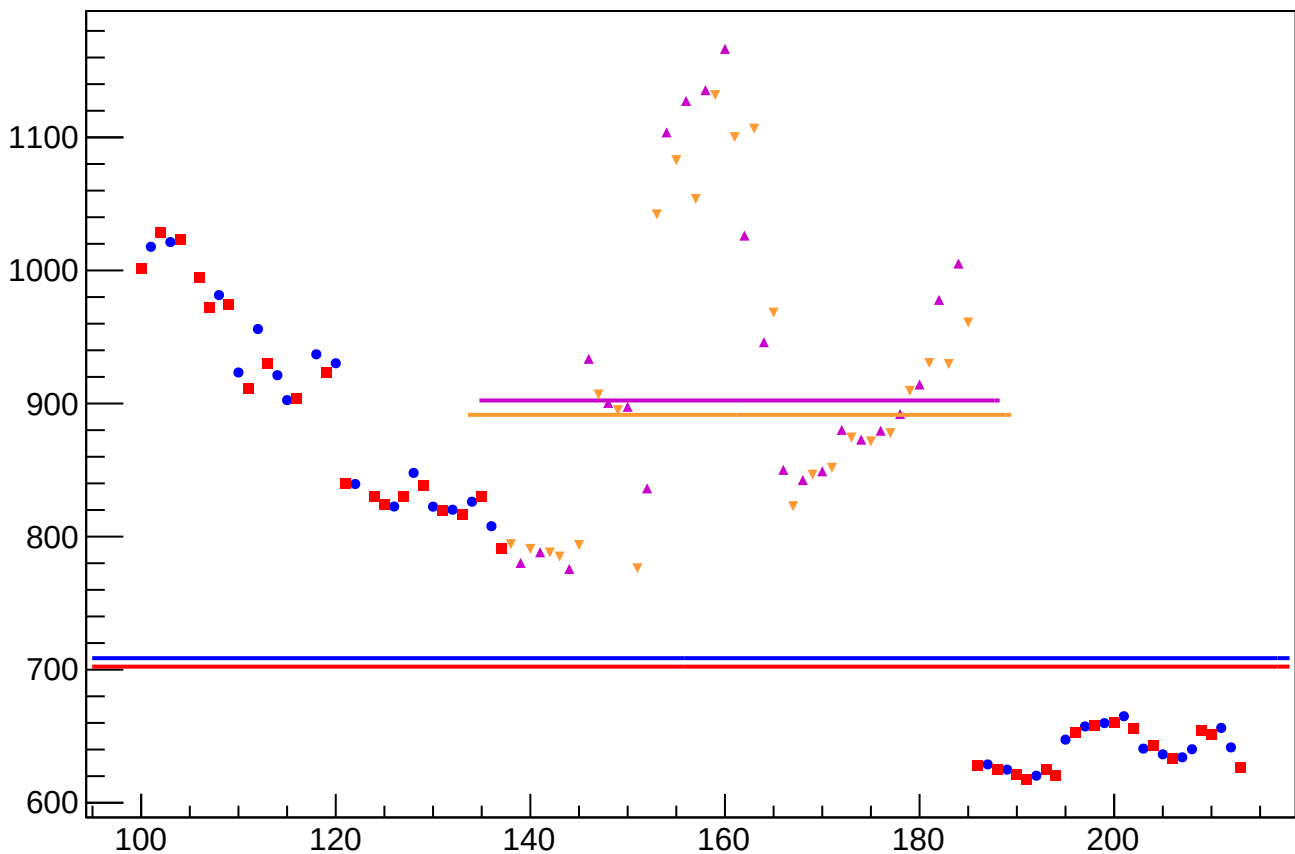
Left In: -0.304 ± 0.213 χ^2/NDF : 495.2/22

+ sign 7.429 ± 0.132 χ^2/NDF : 2227.6/53

All: 5.319 ± 0.092 χ^2/NDF : 15288.7/110

- sign 3.279 ± 0.129 χ^2/NDF : 12555.4/56

diff_bpm2i01Y_rms vs Slug



Right In: 708.668 $\pm$ 0.122 χ^2 /NDF: 895533.8/28

Left Out: 891.492 $\pm$ 0.145 χ^2 /NDF: 517791.6/24

Right Out: 702.292 $\pm$ 0.115 χ^2 /NDF: 1011747.9/33

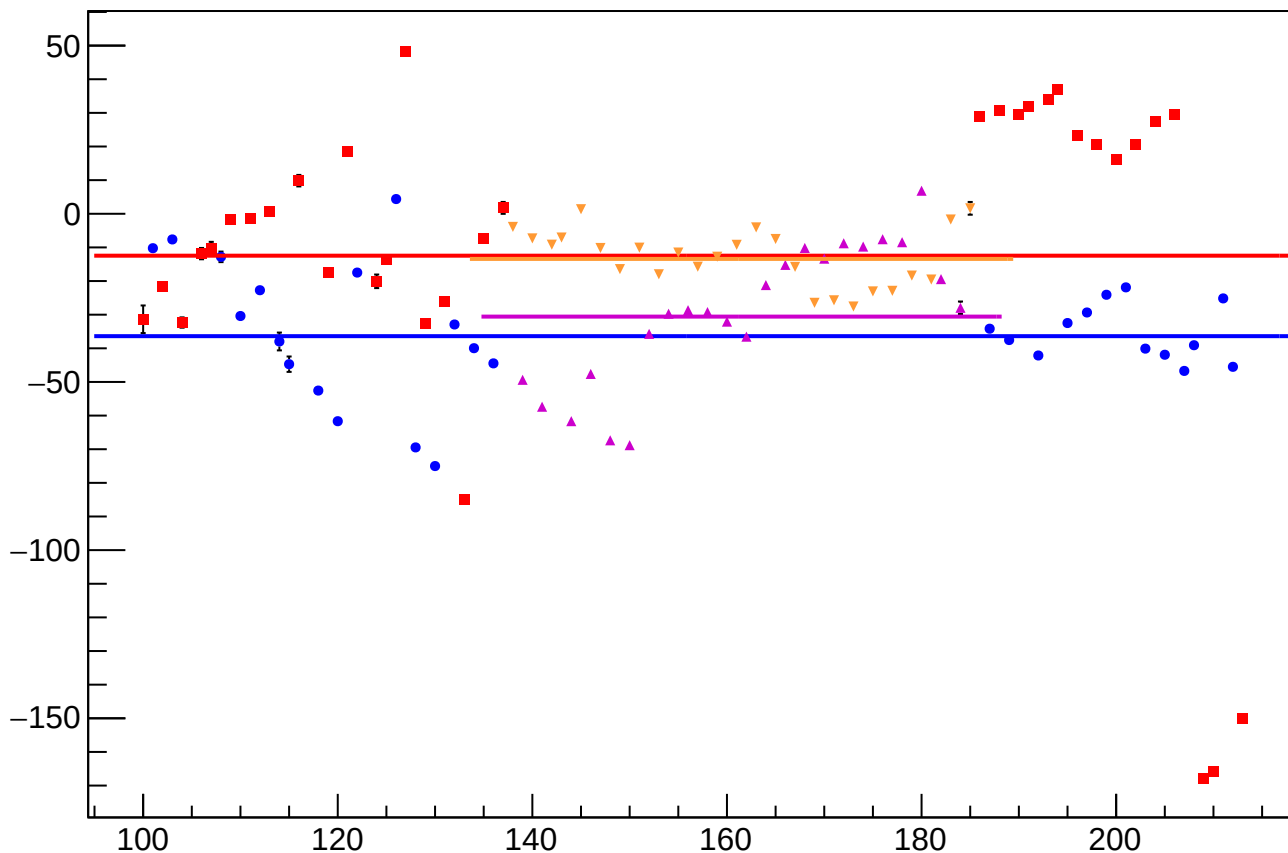
Left In: 902.292 $\pm$ 0.150 χ^2 /NDF: 484924.8/22

+ sign 784.421 $\pm$ 0.093 χ^2 /NDF: 2350669.9/53

All: 780.307 $\pm$ 0.065 χ^2 /NDF: 4965350.9/110

- sign 776.327 $\pm$ 0.091 χ^2 /NDF: 2610831.9/56

diff_bpm2i02X_mean vs Slug



Right In: -36.386 ± 0.169 $\chi^2/\text{NDF}: 6856.8/28$

Left Out: -13.420 ± 0.206 $\chi^2/\text{NDF}: 1663.3/24$

Right Out: -12.460 ± 0.160 $\chi^2/\text{NDF}: 181098.3/33$

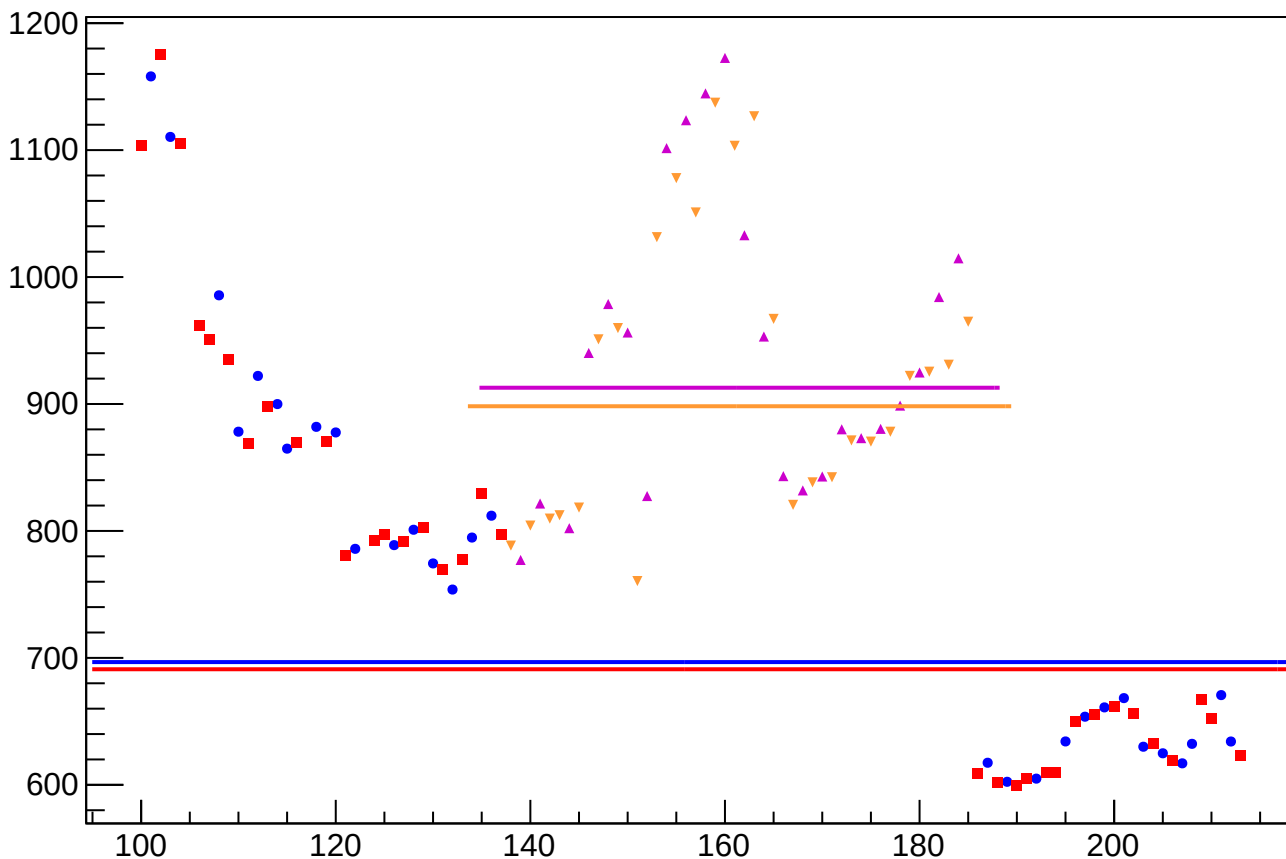
Left In: -30.571 ± 0.215 $\chi^2/\text{NDF}: 10386.5/22$

+ sign -27.137 ± 0.131 $\chi^2/\text{NDF}: 15946.7/53$

All: -22.970 ± 0.092 $\chi^2/\text{NDF}: 213984.9/110$

- sign -18.934 ± 0.129 $\chi^2/\text{NDF}: 196037.3/56$

diff_bpm2i02X_rms vs Slug



Right In: 696.697 ± 0.120 $\chi^2/\text{NDF}: 956073.1/28$

Left Out: 898.227 ± 0.146 $\chi^2/\text{NDF}: 518370.6/24$

Right Out: 691.049 ± 0.113 $\chi^2/\text{NDF}: 1059562.4/33$

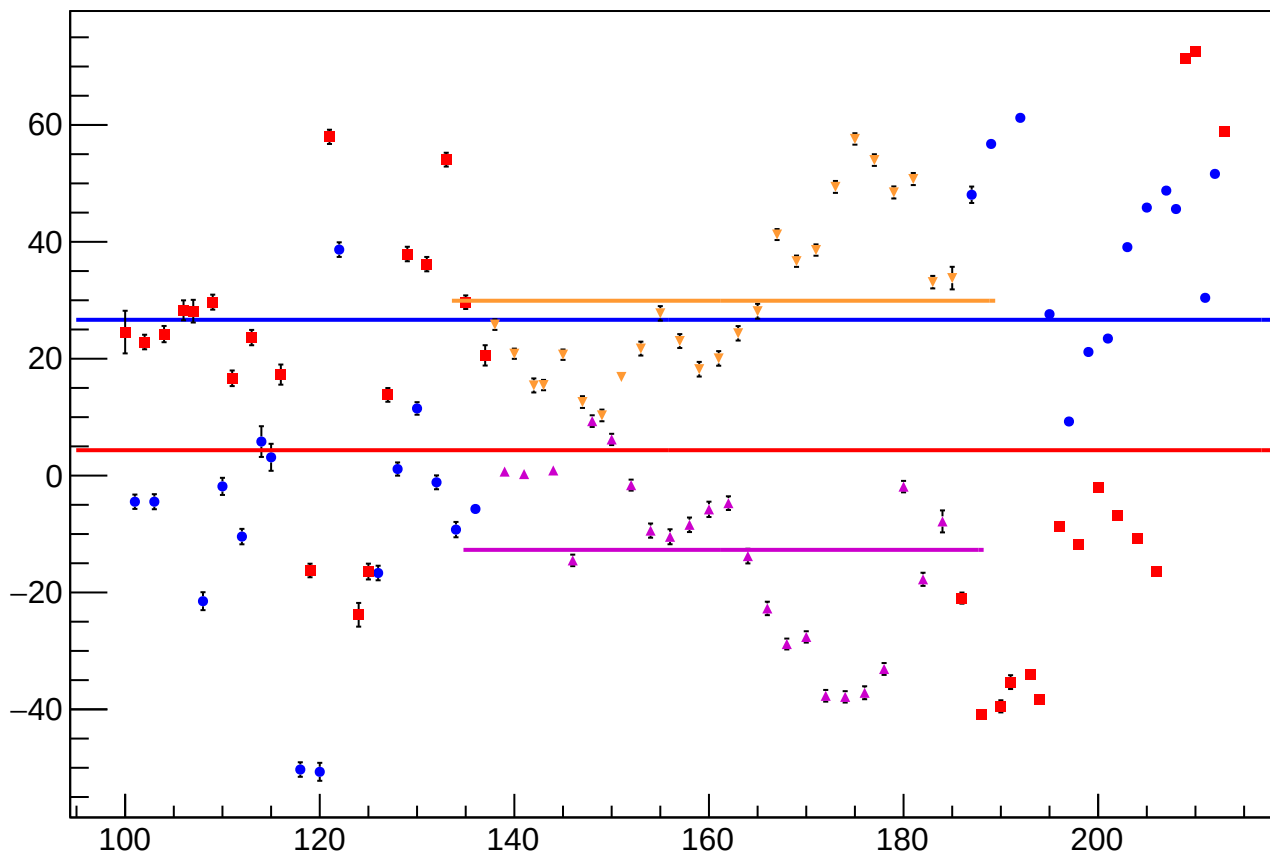
Left In: 912.817 ± 0.152 $\chi^2/\text{NDF}: 480021.0/22$

+ sign 777.859 ± 0.092 $\chi^2/\text{NDF}: 2618233.3/53$

All: 774.029 ± 0.065 $\chi^2/\text{NDF}: 5526268.5/110$

- sign 770.320 ± 0.091 $\chi^2/\text{NDF}: 2904655.0/56$

diff_bpm2i02Y_mean vs Slug



Right In: 26.659 ± 0.167 $\chi^2/\text{NDF}: 24590.0/28$

Left Out: 29.922 ± 0.209 $\chi^2/\text{NDF}: 4580.4/24$

Right Out: 4.345 ± 0.158 $\chi^2/\text{NDF}: 53732.0/33$

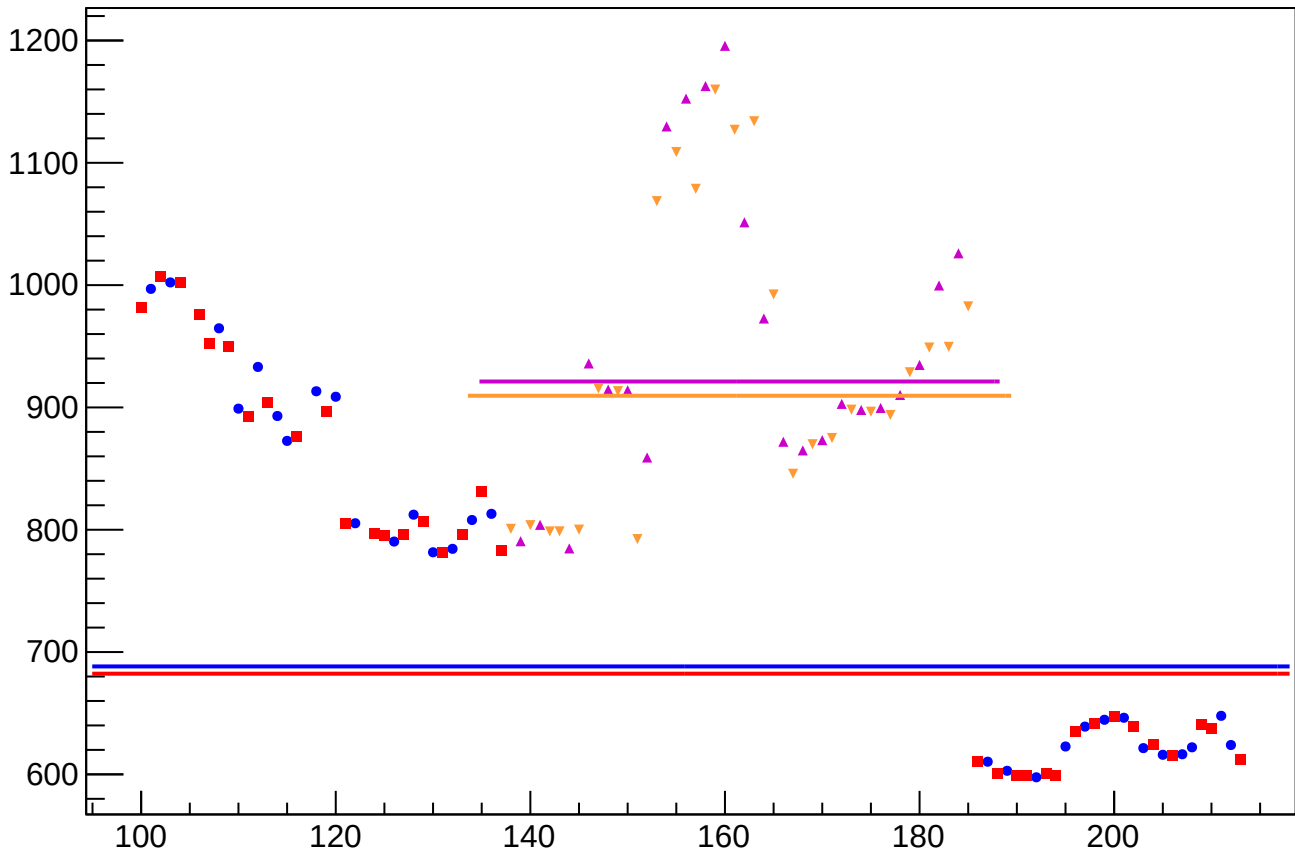
Left In: -12.708 ± 0.217 $\chi^2/\text{NDF}: 4791.2/22$

+ sign 27.934 ± 0.130 $\chi^2/\text{NDF}: 29319.5/53$

All: 12.906 ± 0.091 $\chi^2/\text{NDF}: 117973.2/110$

- sign -1.578 ± 0.128 $\chi^2/\text{NDF}: 62549.0/56$

diff_bpm2i02Y_rms vs Slug



Right In: 688.244+/-0.118 χ^2/NDF : 920654.5/28

Left Out: 909.552+/-0.147 χ^2/NDF : 541710.0/24

Right Out: 682.309+/-0.112 χ^2/NDF : 1030830.3/33

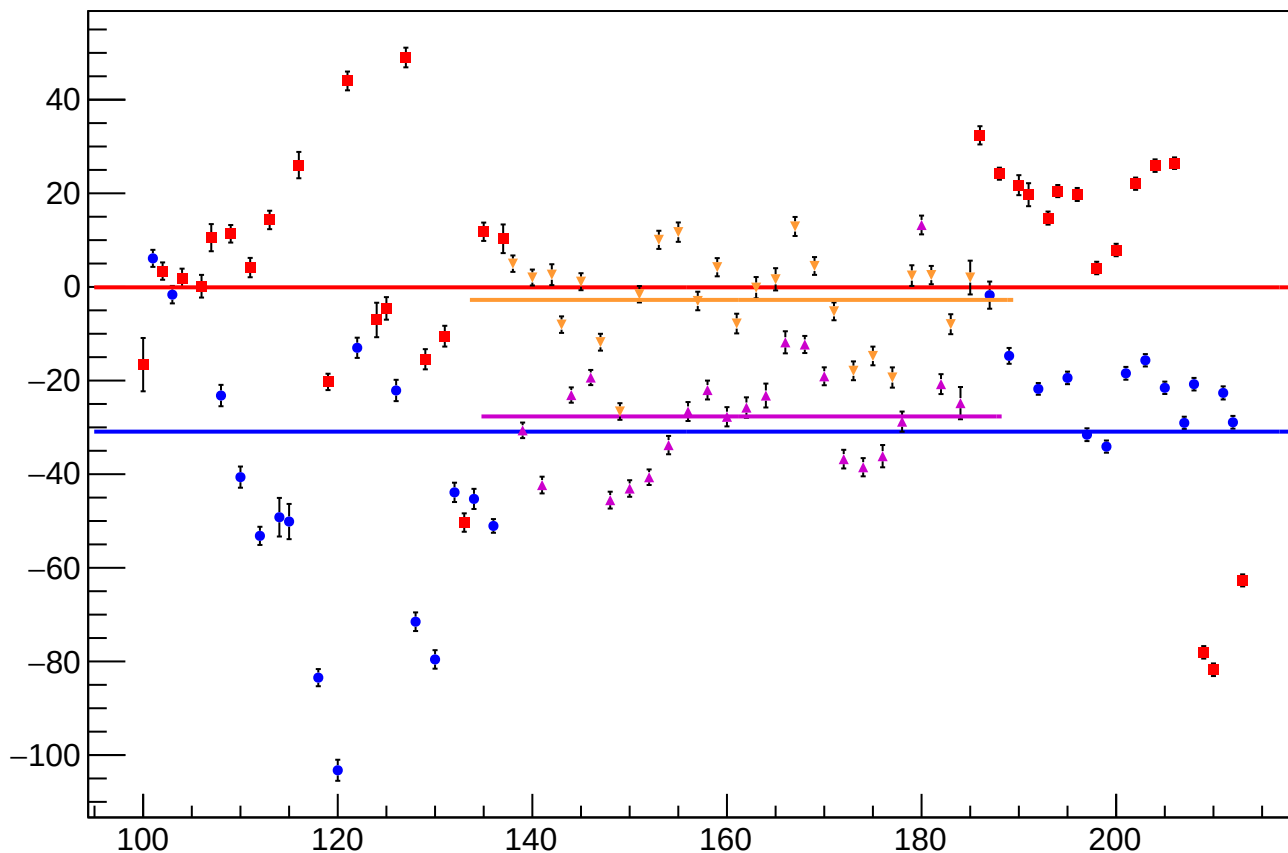
Left In: 921.198+/-0.154 χ^2/NDF : 497337.0/22

+ sign 774.687+/-0.092 χ^2/NDF : 2834743.7/53

All: 769.896+/-0.065 χ^2/NDF : 5948365.0/110

- sign 765.279+/-0.090 χ^2/NDF : 3108315.5/56

diff_bpm0i02X_mean vs Slug



Right In: -30.909 ± 0.311 χ^2/NDF : 4789.5/28

Left Out: -2.767 ± 0.397 χ^2/NDF : 616.1/24

Right Out: -0.083 ± 0.297 χ^2/NDF : 14132.4/33

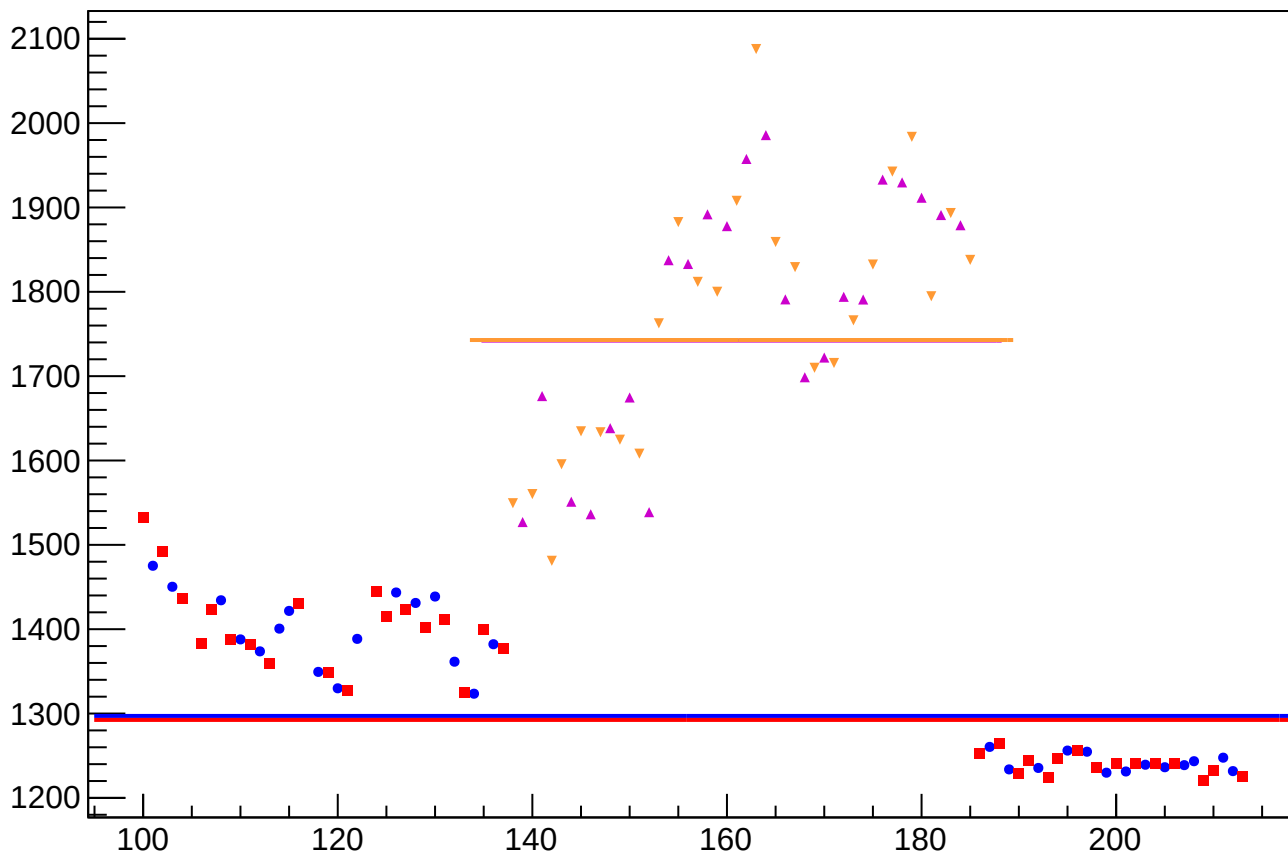
Left In: -27.663 ± 0.409 χ^2/NDF : 989.9/22

+ sign -20.218 ± 0.245 χ^2/NDF : 8514.9/53

All: -14.798 ± 0.171 χ^2/NDF : 27580.1/110

- sign -9.594 ± 0.240 χ^2/NDF : 18105.5/56

diff_bpm0i02X_rms vs Slug



Right In: 1297.171+/-0.220 χ^2/NDF : 135790.3/28

Left Out: 1742.842+/-0.281 χ^2/NDF : 263118.4/24

Right Out: 1292.443+/-0.210 χ^2/NDF : 142493.5/33

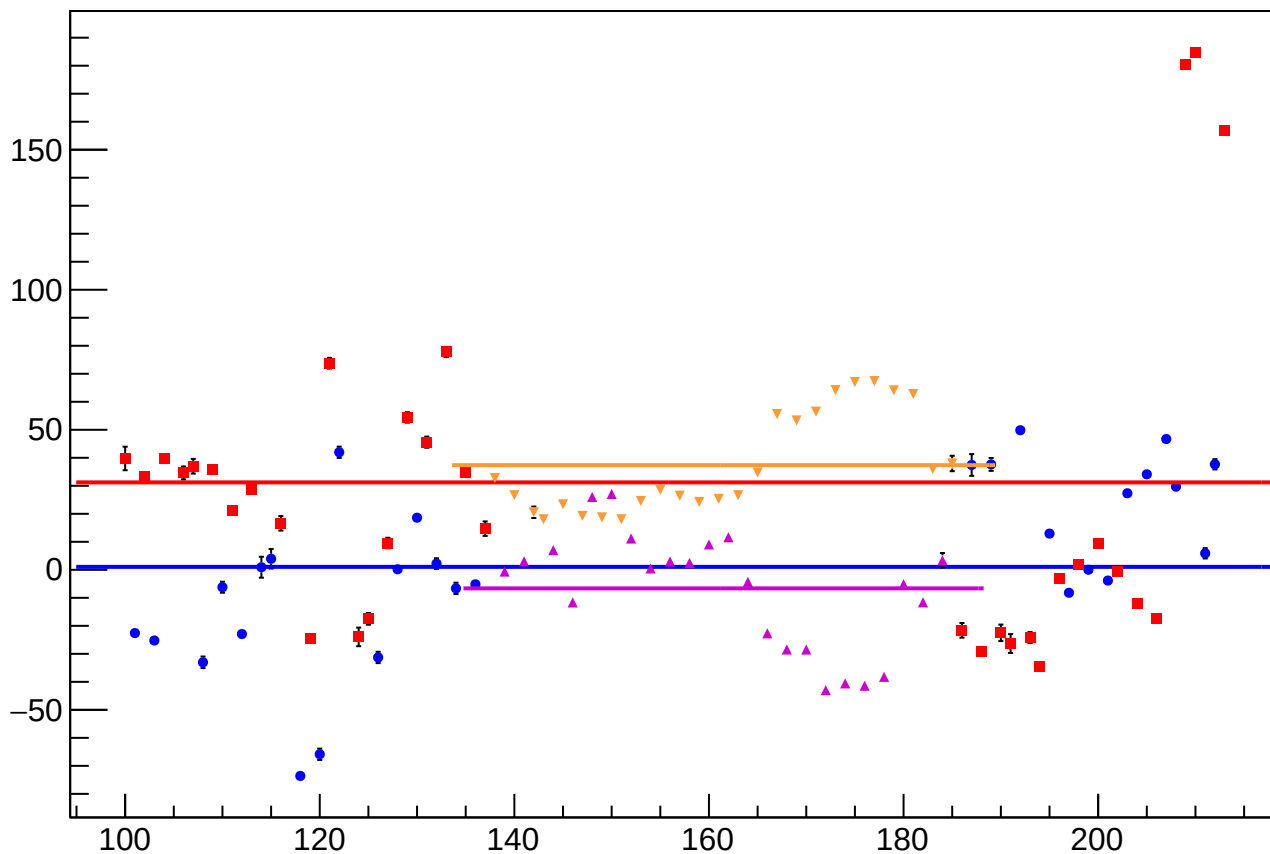
Left In: 1742.153+/-0.289 χ^2/NDF : 261606.6/22

+ sign 1466.484+/-0.173 χ^2/NDF : 1958596.9/53

All: 1456.813+/-0.121 χ^2/NDF : 3955050.0/11

- sign 1447.527+/-0.170 χ^2/NDF : 1990341.7/56

diff_bpm0i02Y_mean vs Slug



Right In: 1.055+/-0.340 χ^2/NDF : 8047.1/28

Left Out: 37.369+/-0.308 χ^2/NDF : 3395.8/24

Right Out: 31.222+/-0.326 χ^2/NDF : 32794.2/33

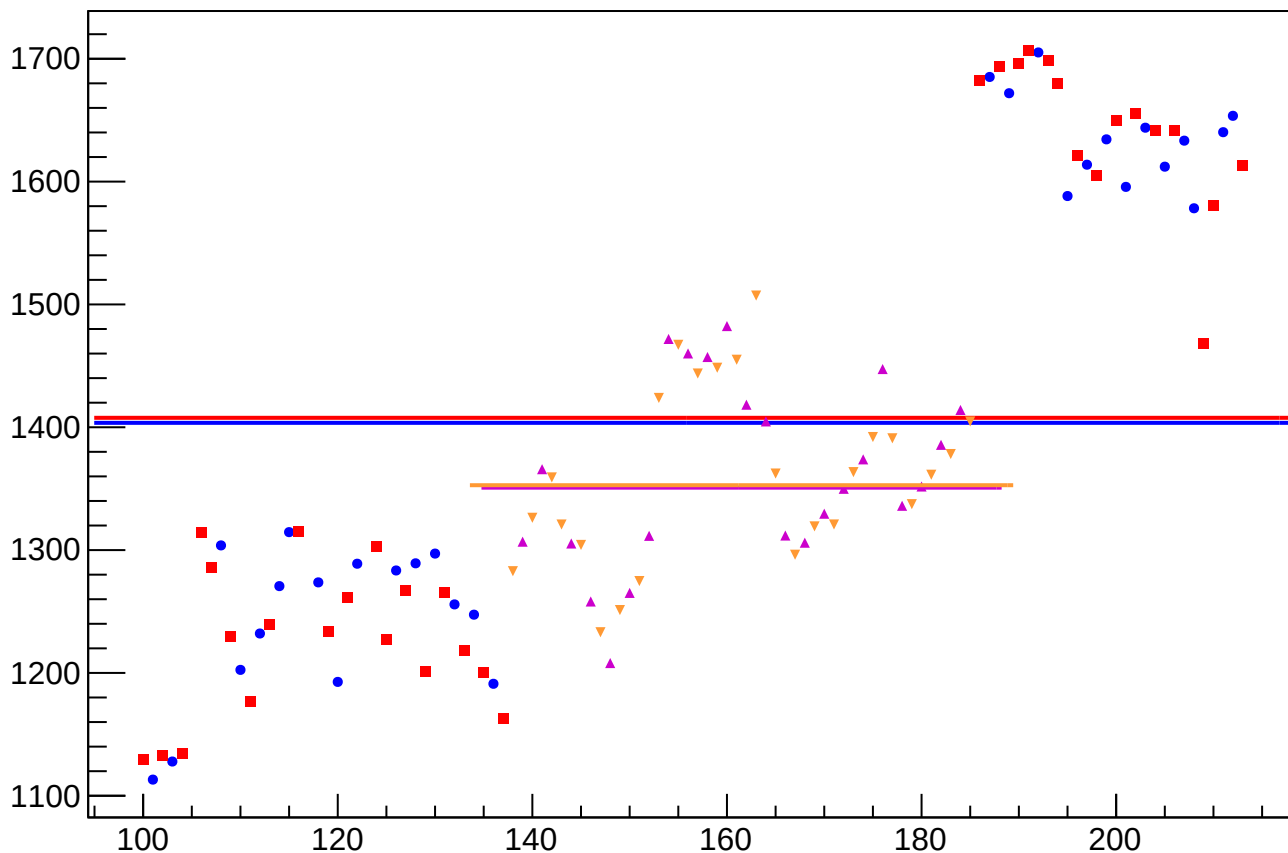
Left In: -6.631+/-0.316 χ^2/NDF : 4410.3/22

+ sign 20.997+/-0.228 χ^2/NDF : 17715.5/53

All: 16.325+/-0.161 χ^2/NDF : 62700.2/110

- sign 11.701+/-0.227 χ^2/NDF : 44150.4/56

diff_bpm0i02Y_rms vs Slug



Right In: 1403.604 $\pm$ 0.240 χ^2 /NDF: 755565.8/28

Left Out: 1352.820 $\pm$ 0.218 χ^2 /NDF:104845.3/24

Right Out: 1407.701 $\pm$ 0.231 χ^2 /NDF: 865010.9/33

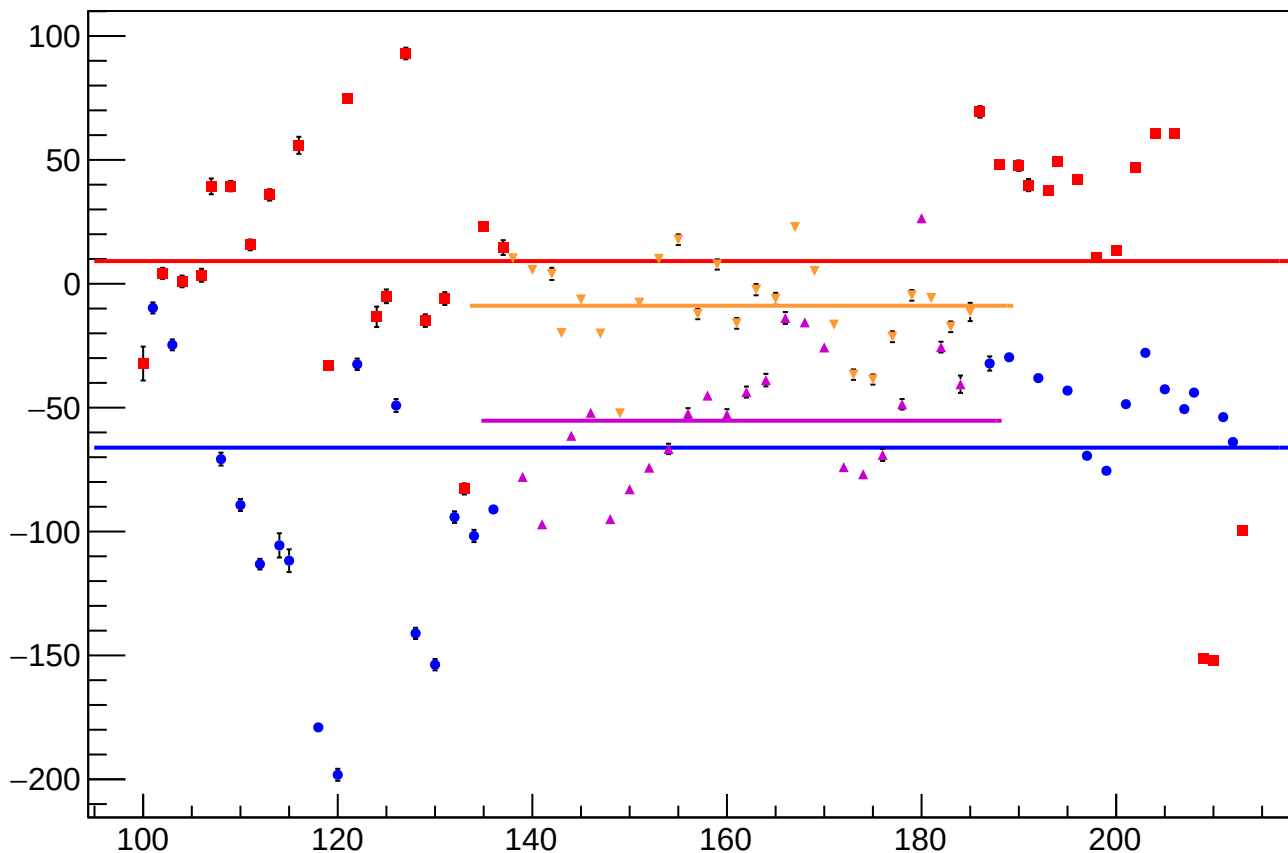
Left In: 1350.830 $\pm$ 0.223 χ^2 /NDF:108618.5/22

+ sign 1375.716 $\pm$ 0.161 χ^2 /NDF: 884946.4/53

All: 1377.051 $\pm$ 0.114 χ^2 /NDF: 1890069.9/11

- sign 1378.372 $\pm$ 0.161 χ^2 /NDF: 1004987.3/56

diff_bpm0i02aX_mean vs Slug



Right In: -66.143 ± 0.349 $\chi^2/\text{NDF}: 13939.9/28$

Left Out: -8.859 ± 0.407 $\chi^2/\text{NDF}: 1953.2/24$

Right Out: 9.159 ± 0.330 $\chi^2/\text{NDF}: 38199.3/33$

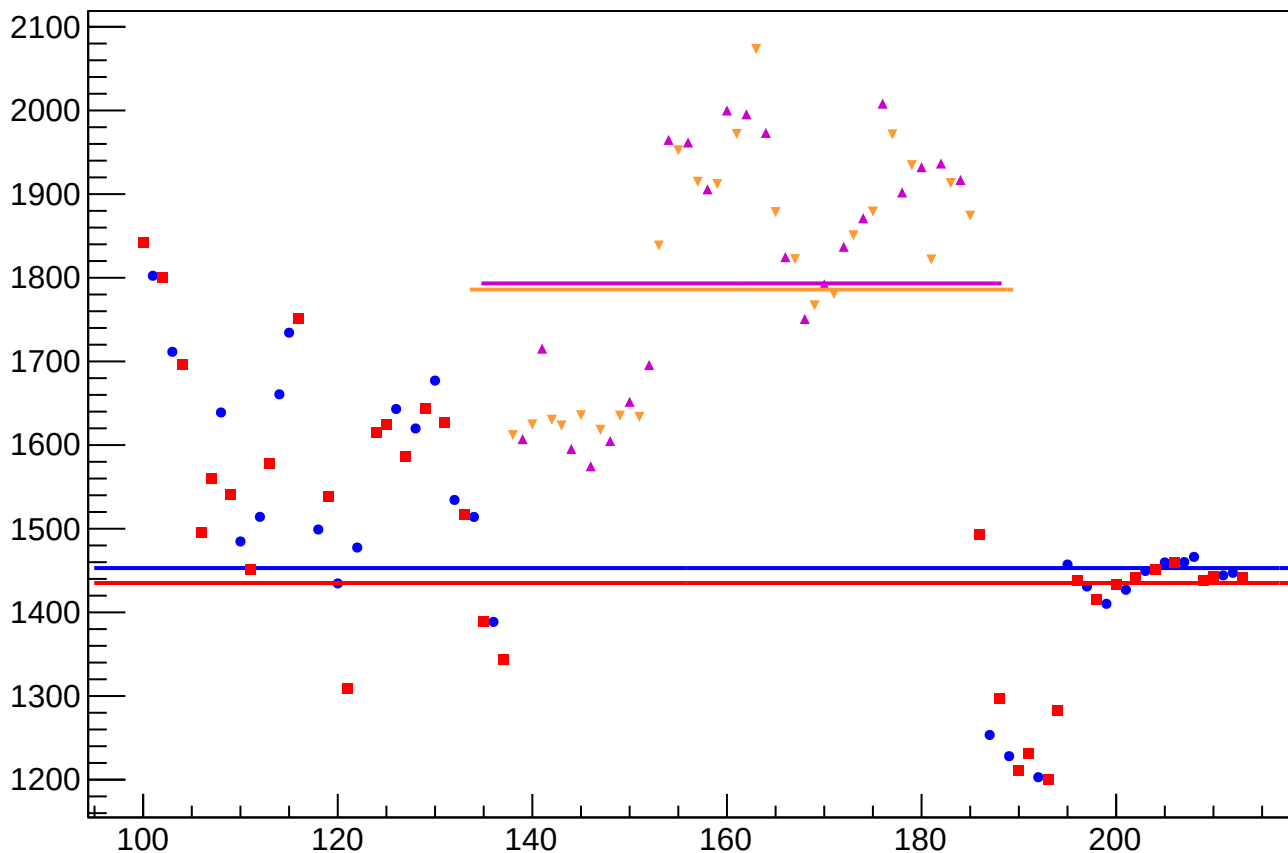
Left In: -55.266 ± 0.420 $\chi^2/\text{NDF}: 4736.1/22$

+ sign -41.866 ± 0.265 $\chi^2/\text{NDF}: 27297.1/53$

All: -28.364 ± 0.185 $\chi^2/\text{NDF}: 89839.6/110$

- sign -15.409 ± 0.260 $\chi^2/\text{NDF}: 57458.9/56$

diff_bpm0i02aX_rms vs Slug



Right In: 1452.973+/-0.247 χ^2/NDF : 281774.2/28

Left Out: 1785.836+/-0.288 χ^2/NDF : 237239.4/24

Right Out: 1435.129+/-0.233 χ^2/NDF : 330978.3/33

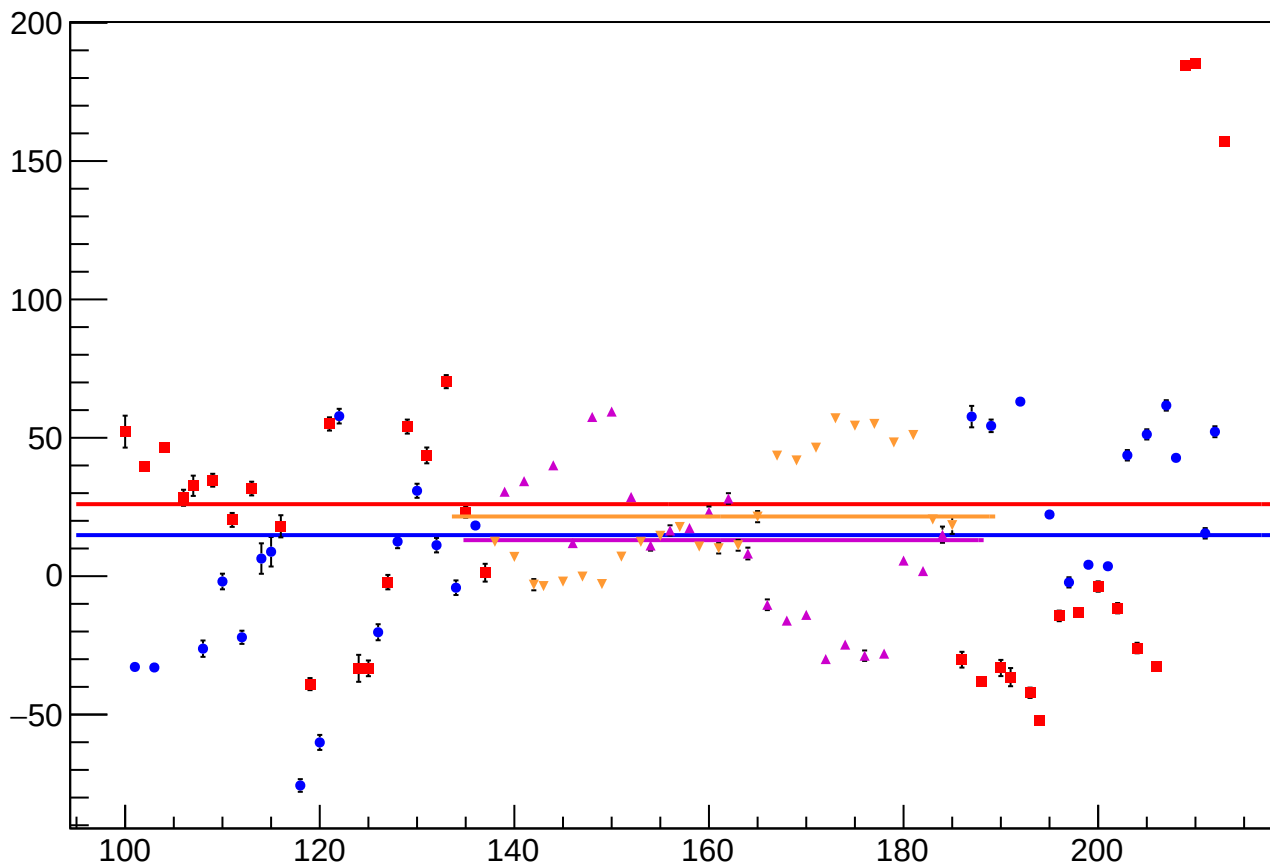
Left In: 1793.249+/-0.297 χ^2/NDF : 252788.2/22

+ sign 1594.045+/-0.187 χ^2/NDF : 1289129.0/53

All: 1582.639+/-0.131 χ^2/NDF : 2777684.6/11

- sign 1571.695+/-0.184 χ^2/NDF : 1481299.6/56

diff_bpm0i02aY_mean vs Slug



Right In: 14.833 $\pm$ 0.399 χ^2/NDF : 8035.9/28

Left Out: 21.567 $\pm$ 0.330 χ^2/NDF : 4160.8/24

Right Out: 26.019 $\pm$ 0.378 χ^2/NDF : 35919.4/33

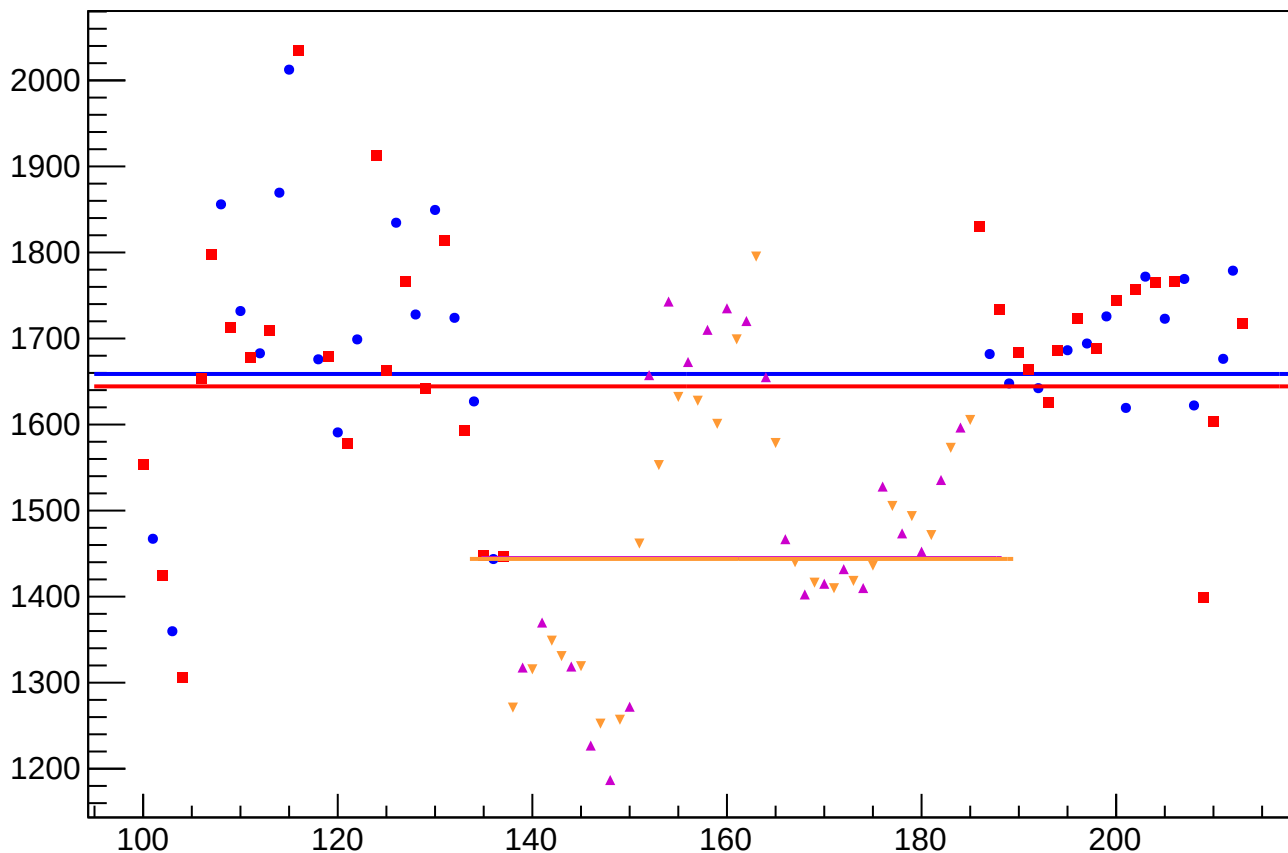
Left In: 13.014 $\pm$ 0.340 χ^2/NDF : 6627.2/22

+ sign 18.831 $\pm$ 0.254 χ^2/NDF : 12365.9/53

All: 18.827 $\pm$ 0.179 χ^2/NDF : 55566.1/110

- sign 18.824 $\pm$ 0.253 χ^2/NDF : 43200.1/56

diff_bpm0i02aY_rms vs Slug



Right In: 1658.791 $\pm$ 0.282 χ^2 /NDF: 196190.3/28

Left Out: 1443.826 $\pm$ 0.233 χ^2 /NDF: 352397.9/24

Right Out: 1644.366 $\pm$ 0.268 χ^2 /NDF: 281228.9/33

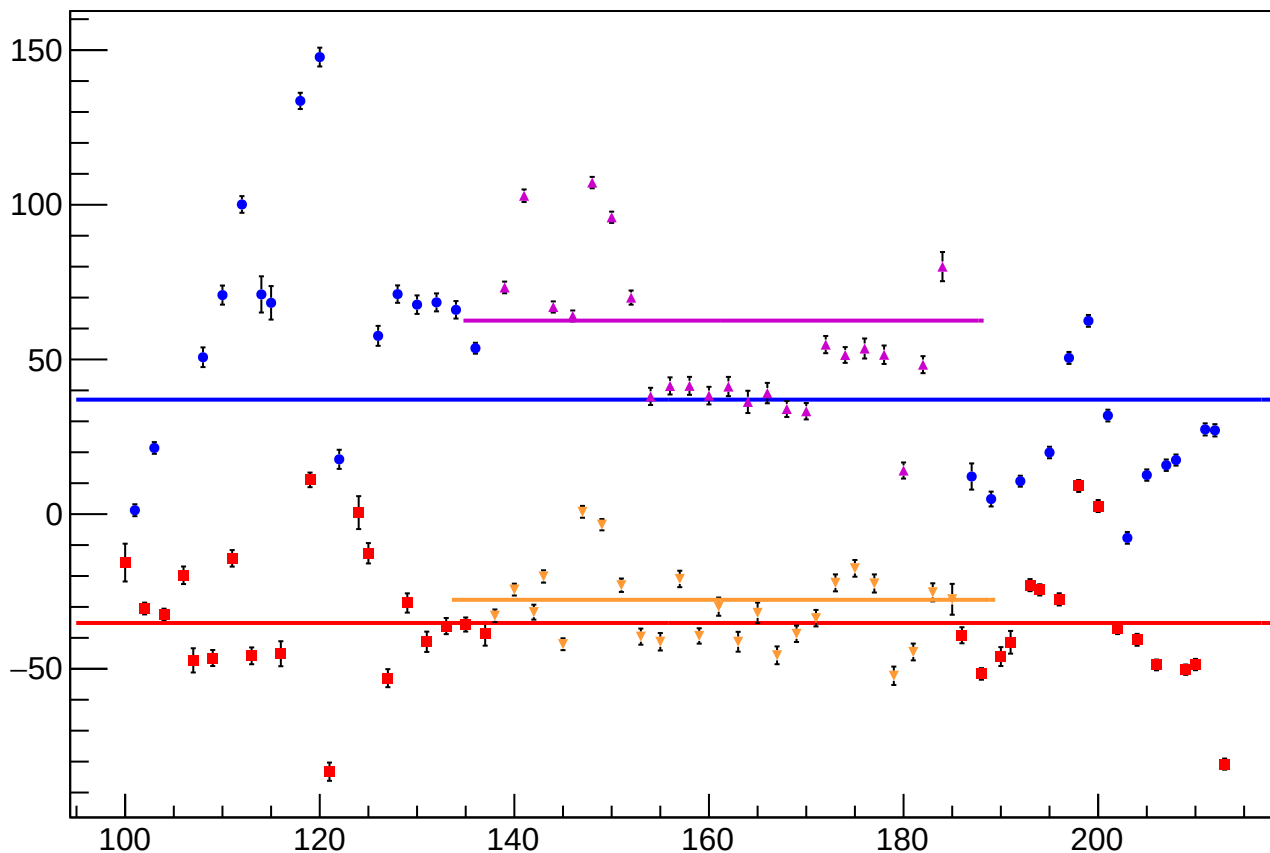
Left In: 1444.817 $\pm$ 0.240 χ^2 /NDF: 485230.7/22

+ sign 1531.173 $\pm$ 0.180 χ^2 /NDF: 893598.0/53

All: 1532.577 $\pm$ 0.127 χ^2 /NDF: 1967902.2/11

- sign 1533.967 $\pm$ 0.179 χ^2 /NDF: 1074182.8/56

diff_bpm0i05X_mean vs Slug



Right In: 37.010 $\pm$ 0.424 χ^2 /NDF: 6276.4/28

Left Out: -27.692 $\pm$ 0.496 χ^2 /NDF: 766.1/24

Right Out: -35.186 $\pm$ 0.402 χ^2 /NDF: 2892.9/33

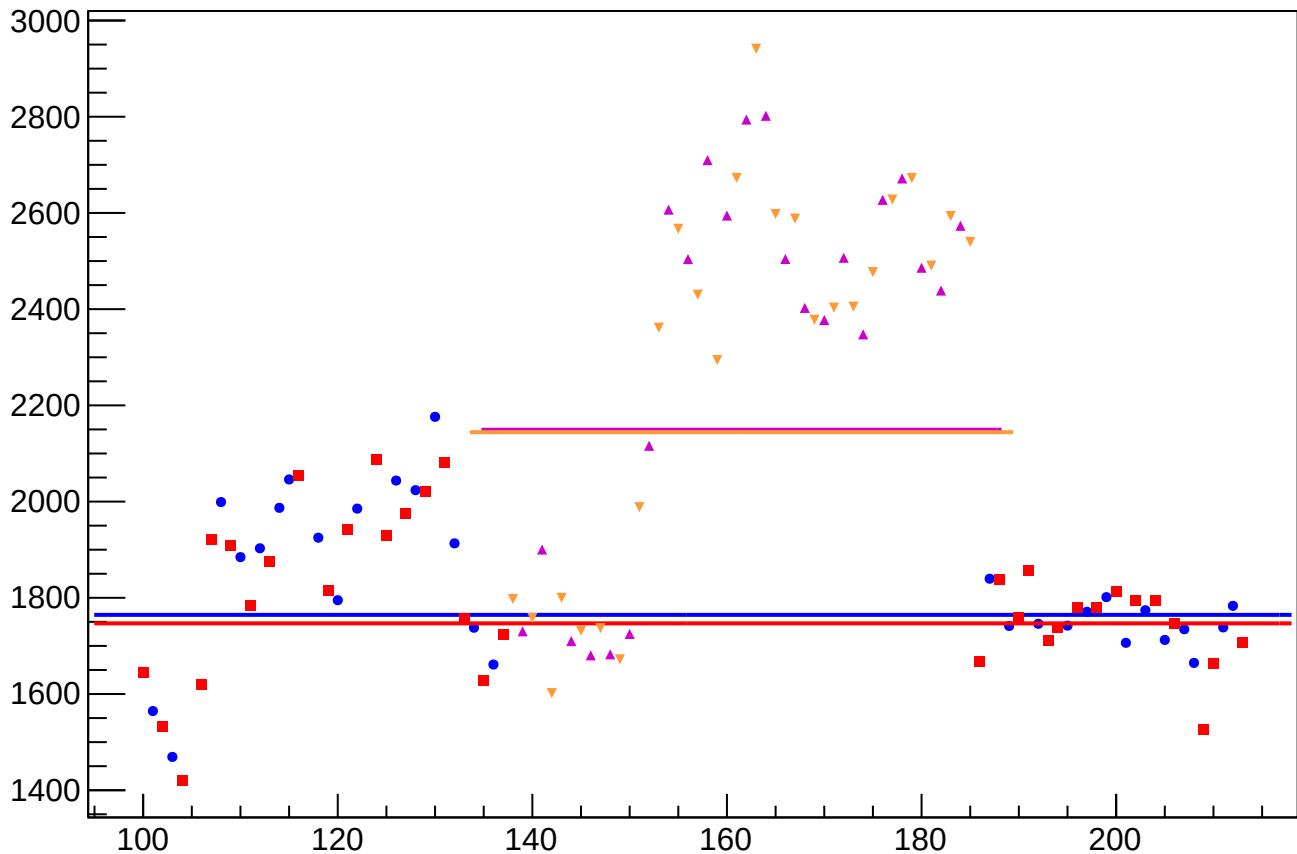
Left In: 62.558 $\pm$ 0.512 χ^2 /NDF: 2458.2/22

+ sign 9.688 $\pm$ 0.322 χ^2 /NDF: 16872.6/53

All: 5.802 $\pm$ 0.226 χ^2 /NDF: 45085.2/110

- sign 2.068 $\pm$ 0.316 χ^2 /NDF: 27927.5/56

diff_bpm0i05X_rms vs Slug



Right In: 1764.548 $\pm$ 0.300 χ^2 /NDF: 210532.6/28

Left Out: 2144.219 $\pm$ 0.351 χ^2 /NDF:1279852.9/24

Right Out: 1746.847 $\pm$ 0.284 χ^2 /NDF: 246675.6/33

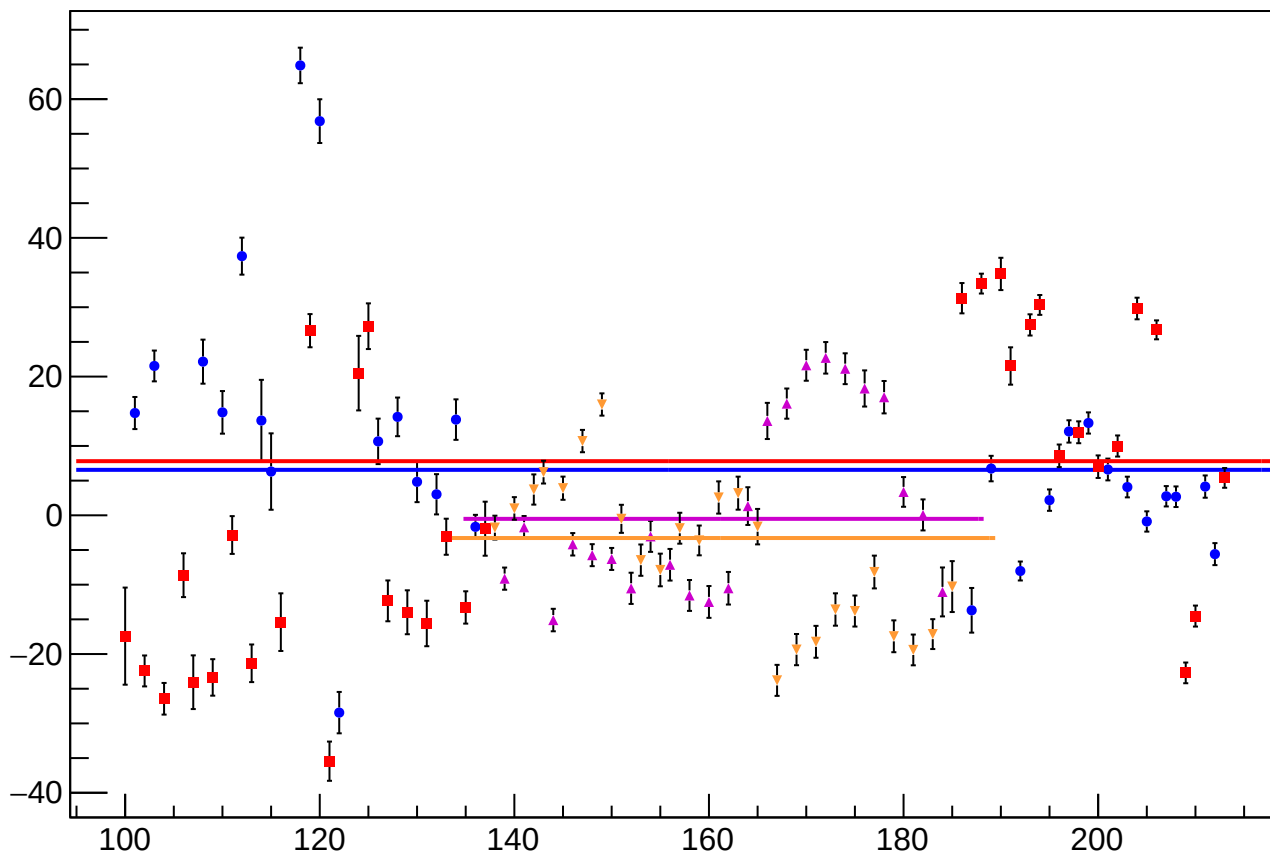
Left In: 2149.354 $\pm$ 0.362 χ^2 /NDF:1265722.5/22

+ sign 1924.872 $\pm$ 0.228 χ^2 /NDF: 2167337.2/53

All: 1912.317 $\pm$ 0.160 χ^2 /NDF: 4451389.0/11

- sign 1900.256 $\pm$ 0.223 χ^2 /NDF: 2278102.6/56

diff_bpm0i05Y_mean vs Slug



Right In: 6.555 ± 0.371 $\chi^2/\text{NDF}: 1469.7/28$

Left Out: -3.275 ± 0.415 $\chi^2/\text{NDF}: 671.1/24$

Right Out: 7.806 ± 0.353 $\chi^2/\text{NDF}: 3454.8/33$

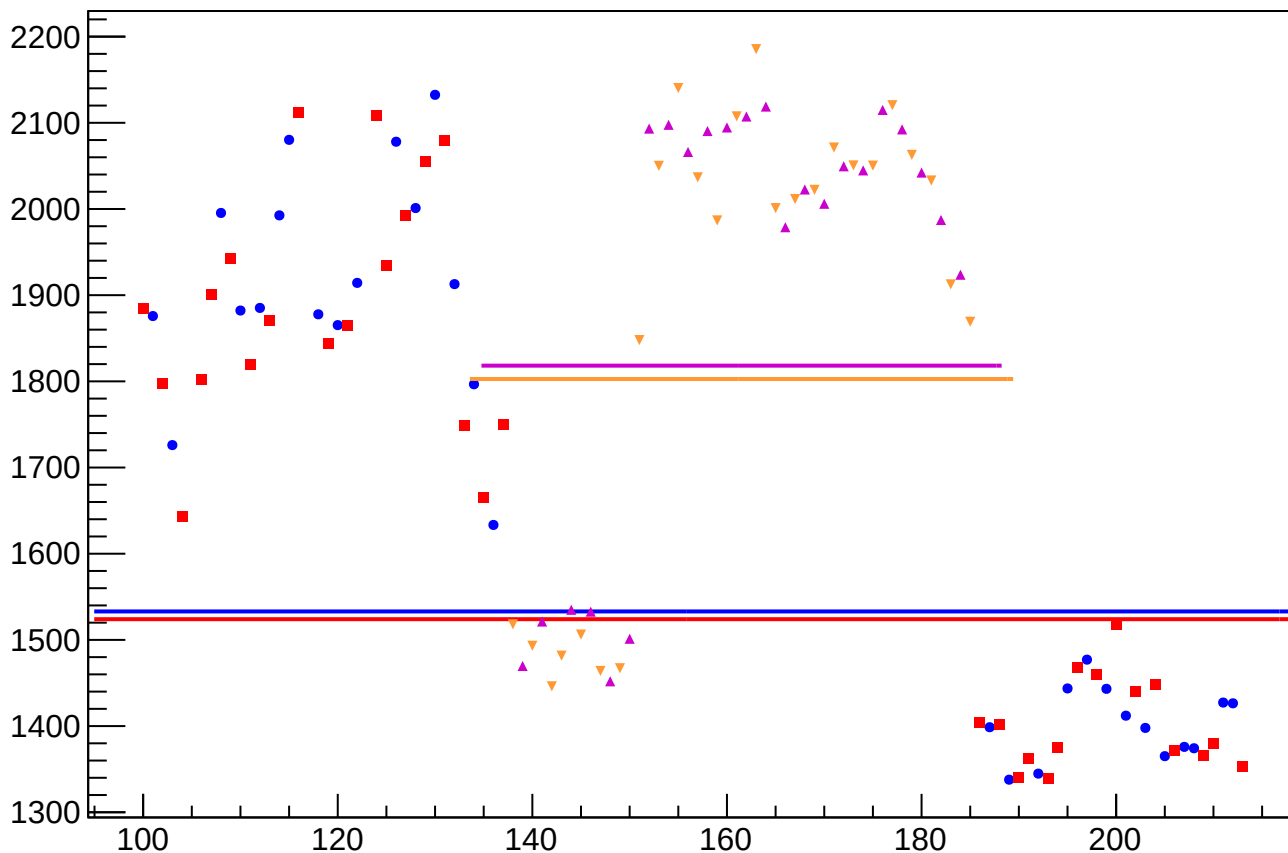
Left In: -0.511 ± 0.430 $\chi^2/\text{NDF}: 745.8/22$

+ sign 2.182 ± 0.277 $\chi^2/\text{NDF}: 2452.8/53$

All: 3.337 ± 0.194 $\chi^2/\text{NDF}: 6911.6/110$

- sign 4.459 ± 0.273 $\chi^2/\text{NDF}: 4424.4/56$

diff_bpm0i05Y_rms vs Slug



Right In: 1533.029 $\pm$ 0.262 χ^2 /NDF: 736047.9/28

Left Out: 1802.748 $\pm$ 0.293 χ^2 /NDF: 897375.1/24

Right Out: 1524.037 $\pm$ 0.249 χ^2 /NDF: 736517.0/33

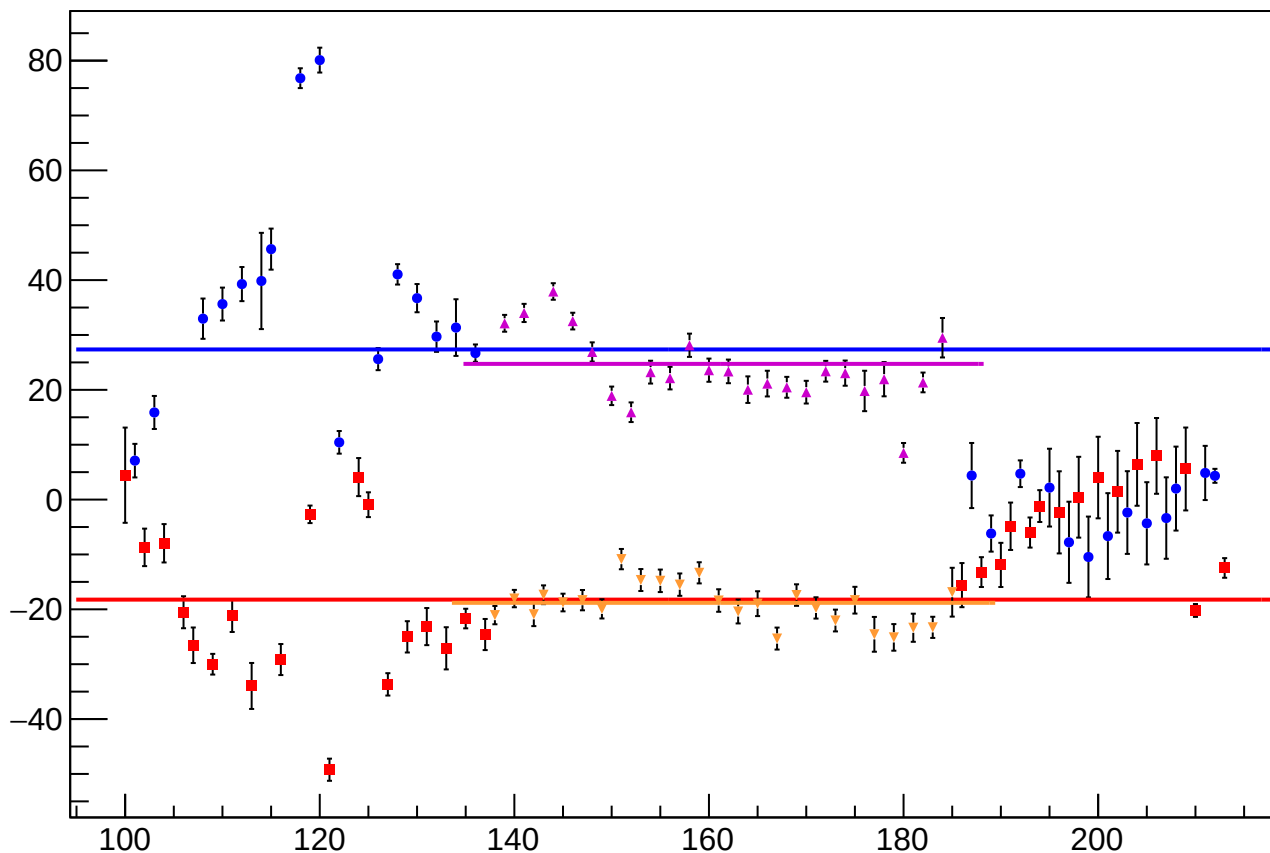
Left In: 1818.225 $\pm$ 0.304 χ^2 /NDF: 840353.0/22

+ sign 1653.003 $\pm$ 0.196 χ^2 /NDF: 2103265.2/53

All: 1647.639 $\pm$ 0.137 χ^2 /NDF: 4241608.1/11

- sign 1642.425 $\pm$ 0.193 χ^2 /NDF: 2136859.0/56

diff_bpm0i07X_mean vs Slug



Right In: 27.362 ± 0.522 χ^2/NDF : 2230.2/28

Left Out: -18.816 ± 0.402 χ^2/NDF : 74.9/24

Right Out: -18.232 ± 0.467 χ^2/NDF : 754.9/33

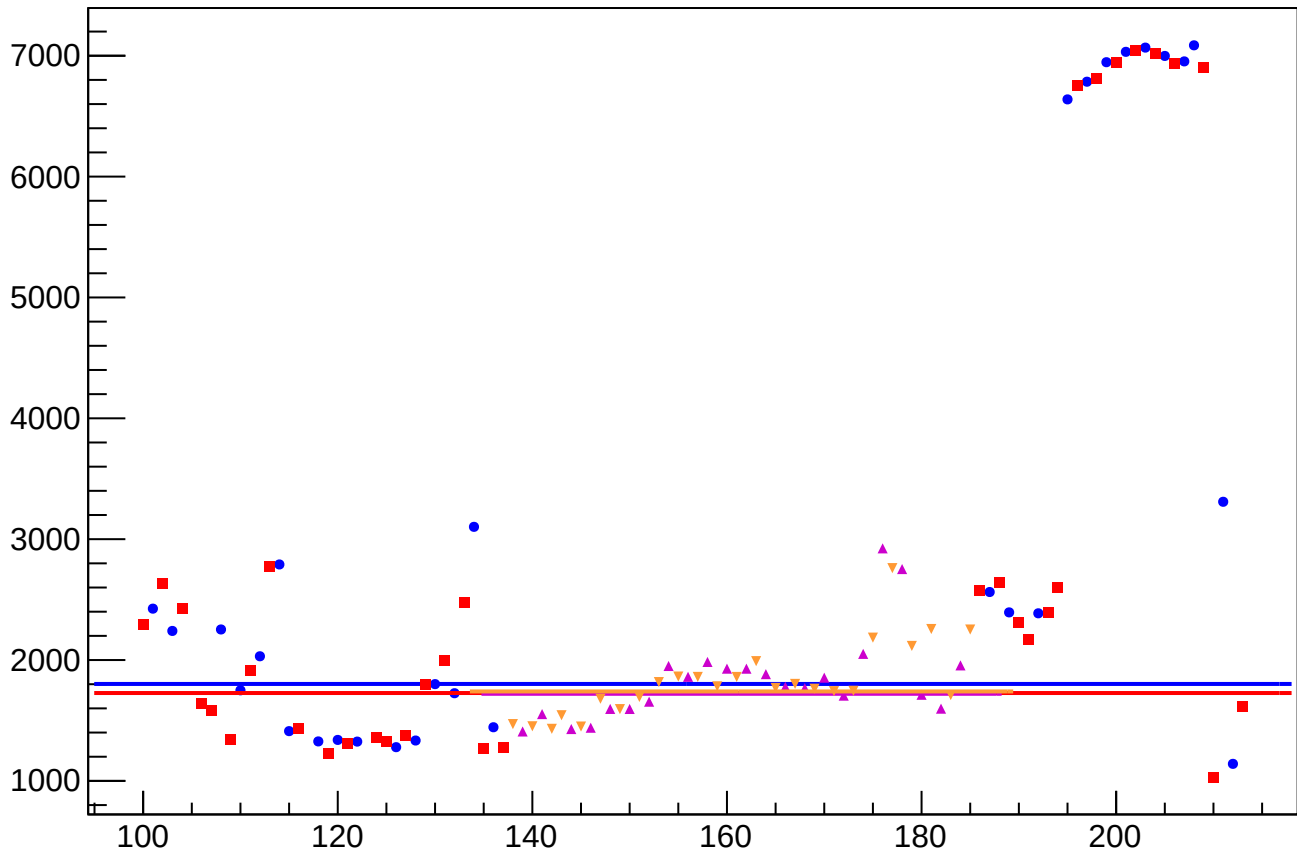
Left In: 24.731 ± 0.409 χ^2/NDF : 308.0/22

+ sign -1.623 ± 0.318 χ^2/NDF : 7219.8/53

All: 2.377 ± 0.221 χ^2/NDF : 13375.3/110

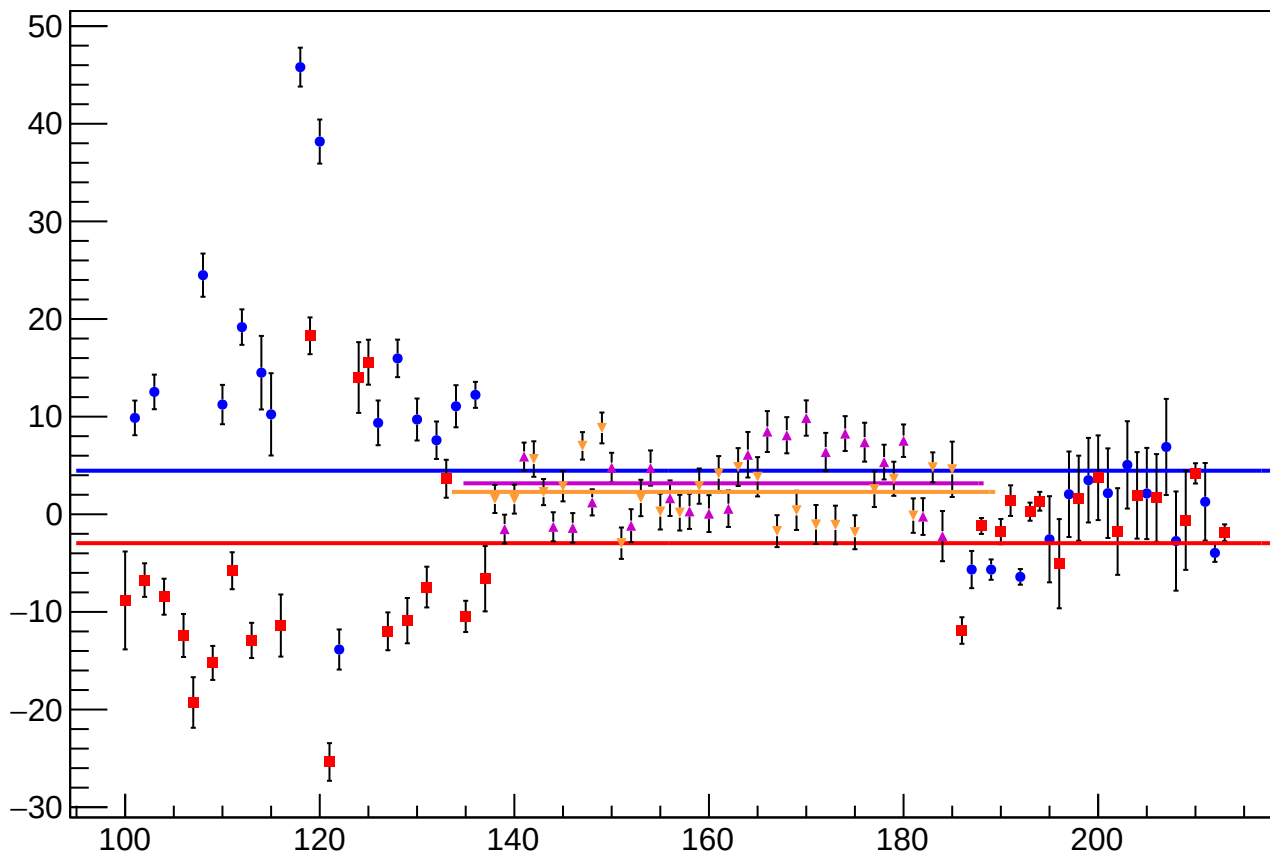
- sign 6.111 ± 0.308 χ^2/NDF : 5850.4/56

diff_bpm0i07X_rms vs Slug



Right In: 1802.144+/-0.369	χ^2/NDF : 9536455.5/28	+ sign 1763.193+/-0.225	χ^2/NDF : 10307583.5/53
Left Out: 1740.089+/-0.284	χ^2/NDF : 753377.5/24	All: 1742.699+/-0.156	χ^2/NDF : 20696306.2/100
Right Out: 1727.092+/-0.330	χ^2/NDF : 9488511.3/33	- sign 1723.563+/-0.218	χ^2/NDF : 10372702.9/56
Left In: 1720.864+/-0.289	χ^2/NDF : 883990.4/22		

diff_bpm0i07Y_mean vs Slug



Right In: 4.463 ± 0.347 $\chi^2/\text{NDF}: 1419.4/28$

Left Out: 2.293 ± 0.343 $\chi^2/\text{NDF}: 73.5/24$

Right Out: -2.959 ± 0.286 $\chi^2/\text{NDF}: 728.0/33$

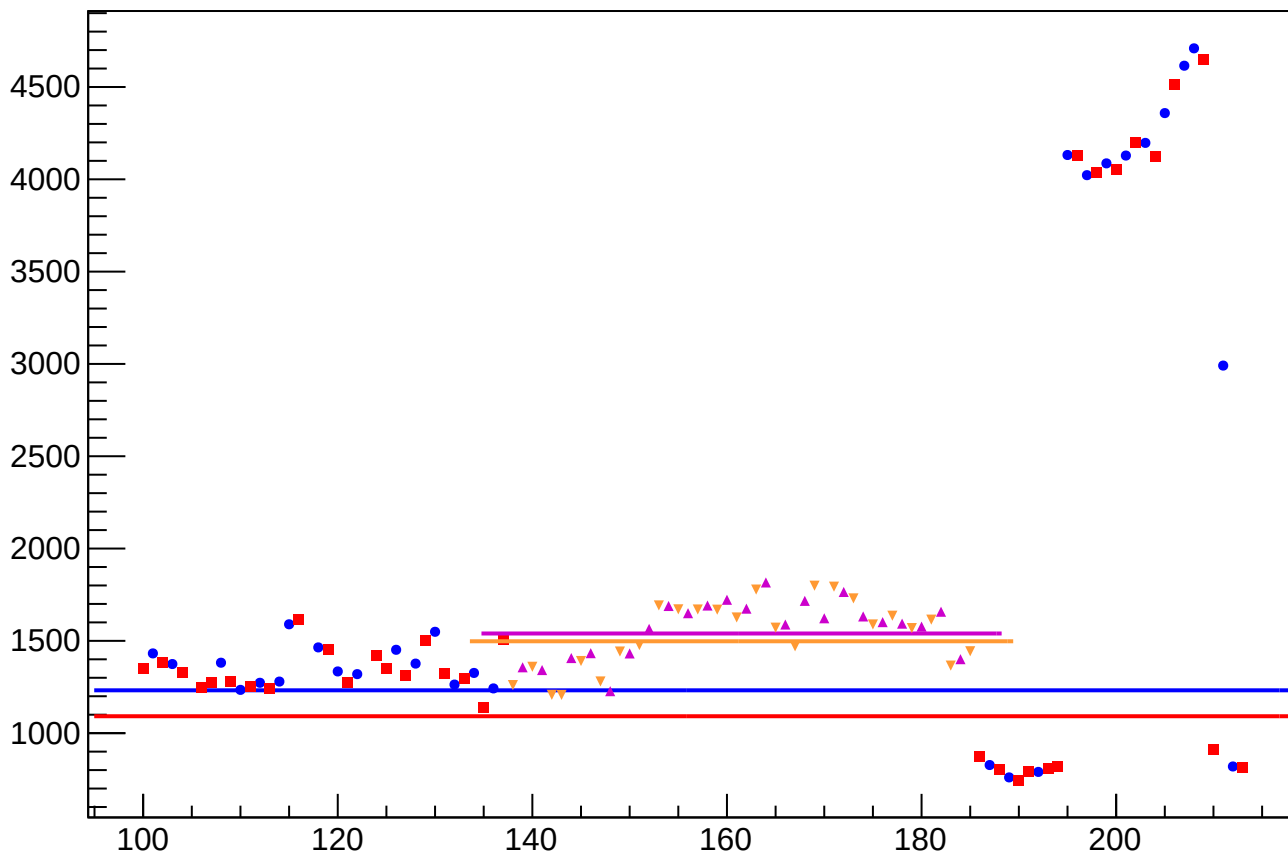
Left In: 3.173 ± 0.362 $\chi^2/\text{NDF}: 110.4/22$

+ sign 3.367 ± 0.244 $\chi^2/\text{NDF}: 1512.6/53$

All: 1.218 ± 0.165 $\chi^2/\text{NDF}: 2670.3/110$

- sign -0.602 ± 0.225 $\chi^2/\text{NDF}: 1014.6/56$

diff_bpm0i07Y_rms vs Slug



Right In: 1232.097+/-0.245 χ^2/NDF : 9073875.1/28

Left Out: 1497.713+/-0.243 χ^2/NDF : 568629.4/24

Right Out: 1091.679+/-0.202 χ^2/NDF : 8437719.5/33

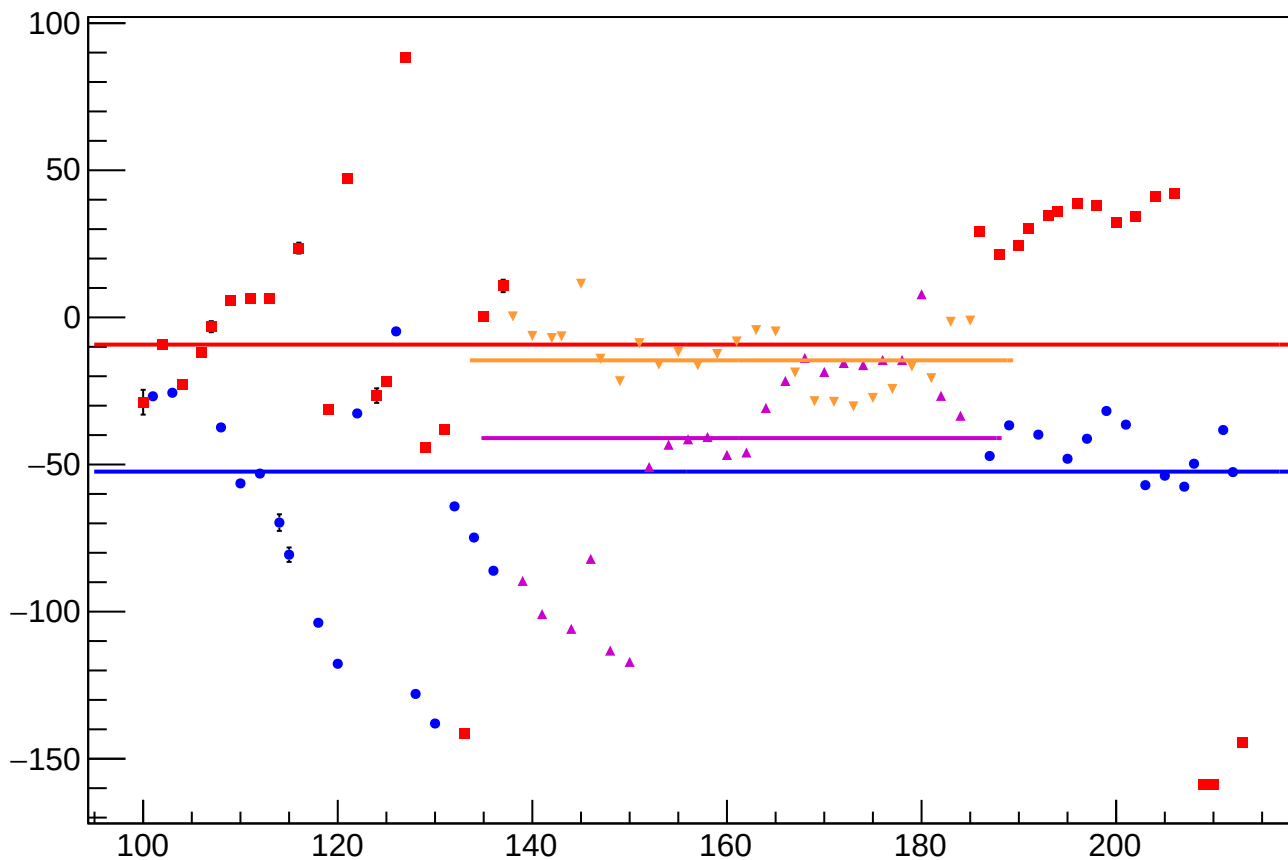
Left In: 1539.884+/-0.256 χ^2/NDF : 380330.7/22

+ sign 1366.255+/-0.173 χ^2/NDF : 10234459.7/53

All: 1310.860+/-0.117 χ^2/NDF : 21125900.3/100

- sign 1263.928+/-0.159 χ^2/NDF : 10701183.8/56

diff_bpm1i02X_mean vs Slug



Right In: -52.413 ± 0.173 χ^2/NDF : 18249.2/28

Left Out: -14.597 ± 0.183 χ^2/NDF : 3159.3/24

Right Out: -9.243 ± 0.165 χ^2/NDF : 199547.9/33

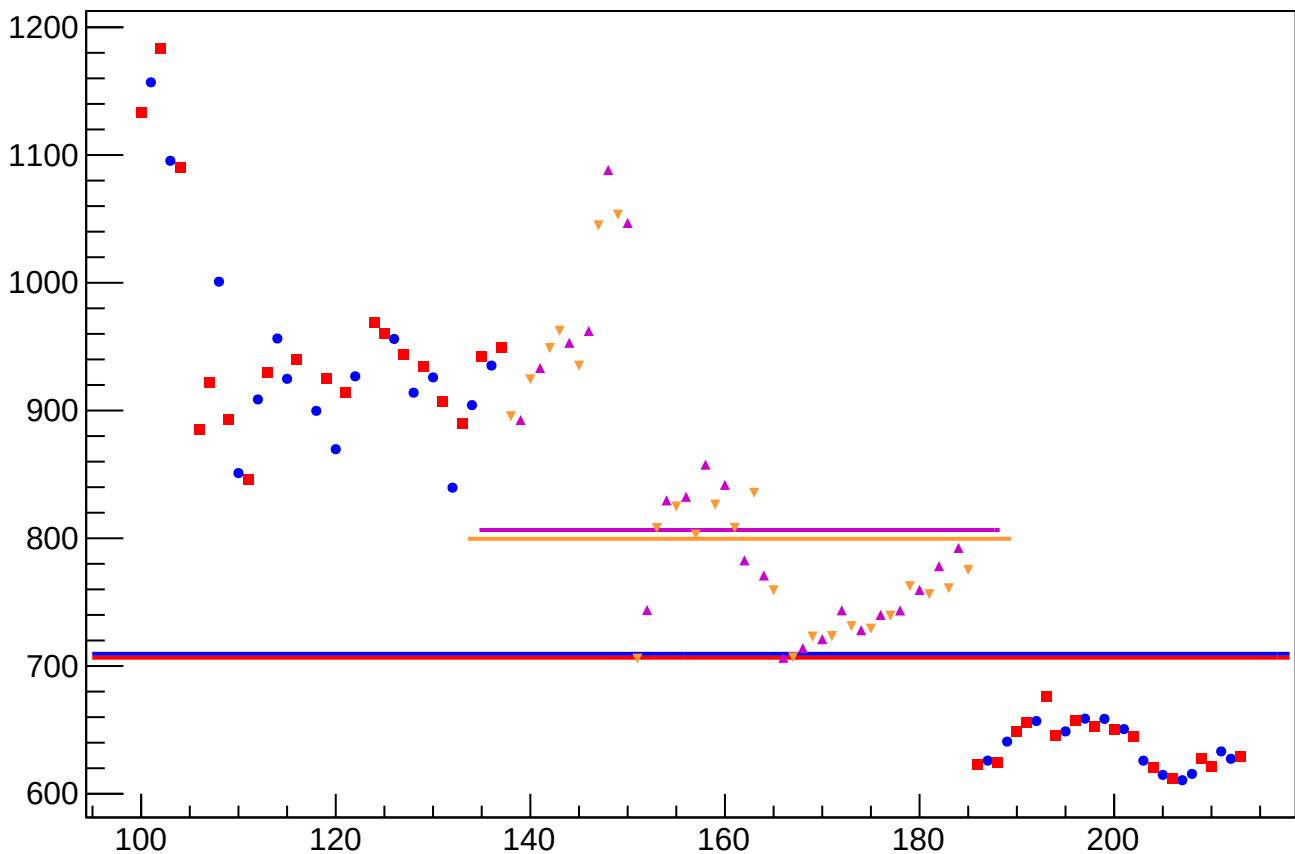
Left In: -41.021 ± 0.190 χ^2/NDF : 31066.6/22

+ sign -34.564 ± 0.126 χ^2/NDF : 43968.7/53

All: -28.667 ± 0.088 χ^2/NDF : 294936.0/110

- sign -22.892 ± 0.124 χ^2/NDF : 246609.9/56

diff_bpm1i02X_rms vs Slug



Right In: 709.560 $\pm$ 0.122 χ^2 /NDF: 1243287.8/28

Left Out: 799.639 $\pm$ 0.129 χ^2 /NDF:497430.7/24

Right Out: 706.528 $\pm$ 0.116 χ^2 /NDF: 1322056.8/33

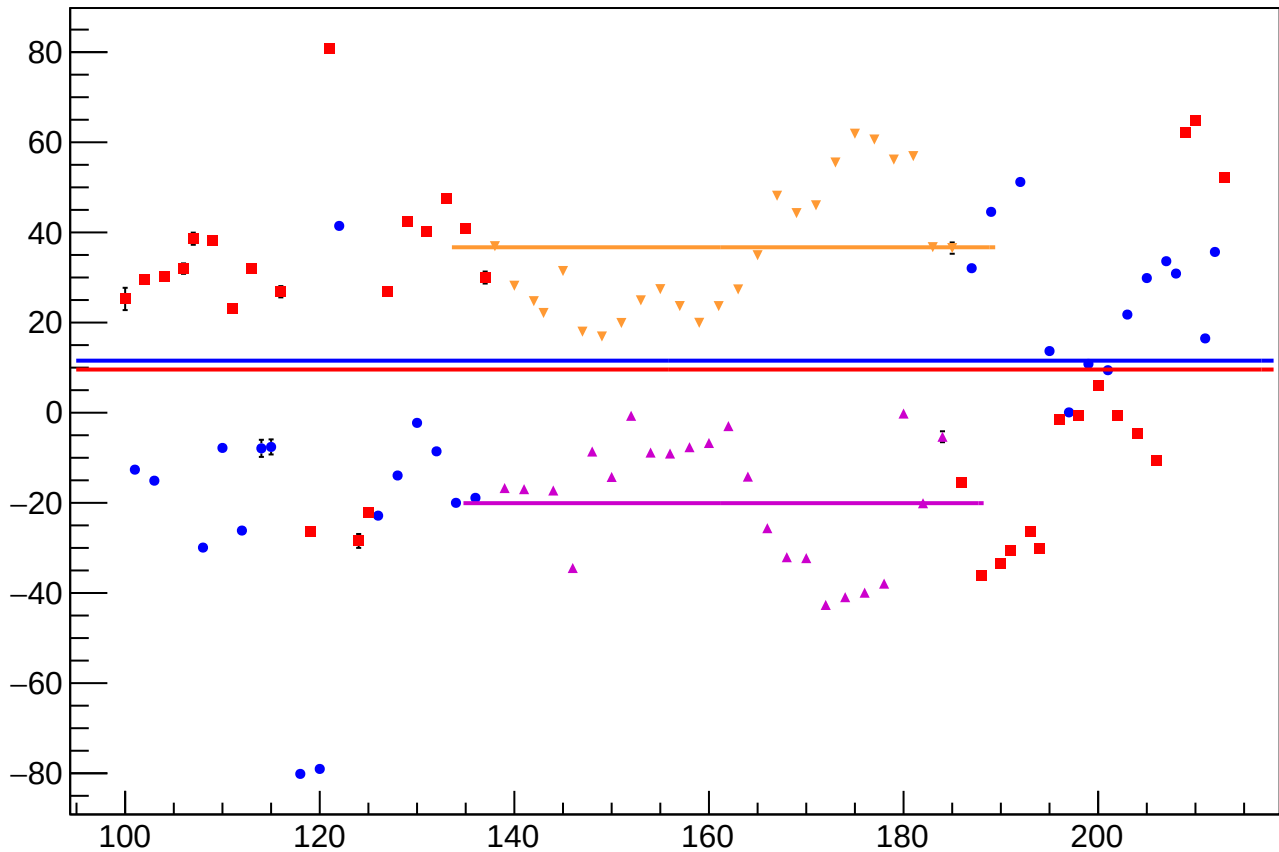
Left In: 806.478 $\pm$ 0.134 χ^2 /NDF:511294.8/22

+ sign 752.077 $\pm$ 0.089 χ^2 /NDF: 1996744.6/53

All: 750.753 $\pm$ 0.063 χ^2 /NDF: 4147010.4/110

- sign 749.458 $\pm$ 0.088 χ^2 /NDF: 2149827.1/56

diff_bpm1i02Y_mean vs Slug



Right In: 11.550+/-0.128 χ^2/NDF : 47666.2/28

Left Out: 36.705+/-0.145 χ^2/NDF : 10231.1/24

Right Out: 9.580+/-0.122 χ^2/NDF : 75073.5/33

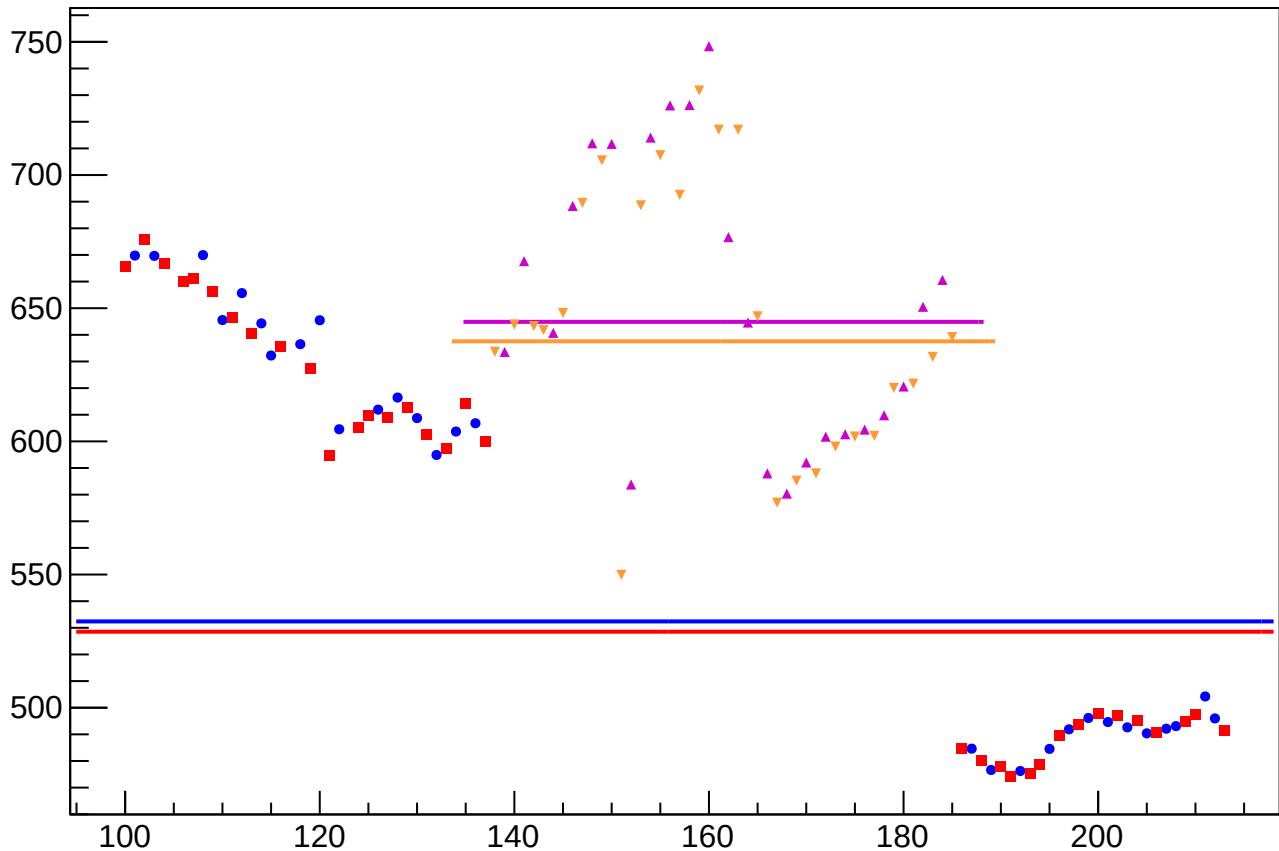
Left In: -20.069+/-0.151 χ^2/NDF : 8560.6/22

+ sign 22.568+/-0.096 χ^2/NDF : 74711.3/53

All: 10.063+/-0.068 χ^2/NDF : 214938.8/110

- sign -2.099+/-0.095 χ^2/NDF : 106929.7/56

diff_bpm1i02Y_rms vs Slug



Right In: 532.402 $\pm$ 0.091 χ^2 /NDF: 524096.2/28

Left Out: 637.569 $\pm$ 0.103 χ^2 /NDF: 236539.6/24

Right Out: 528.535 $\pm$ 0.086 χ^2 /NDF: 569356.3/33

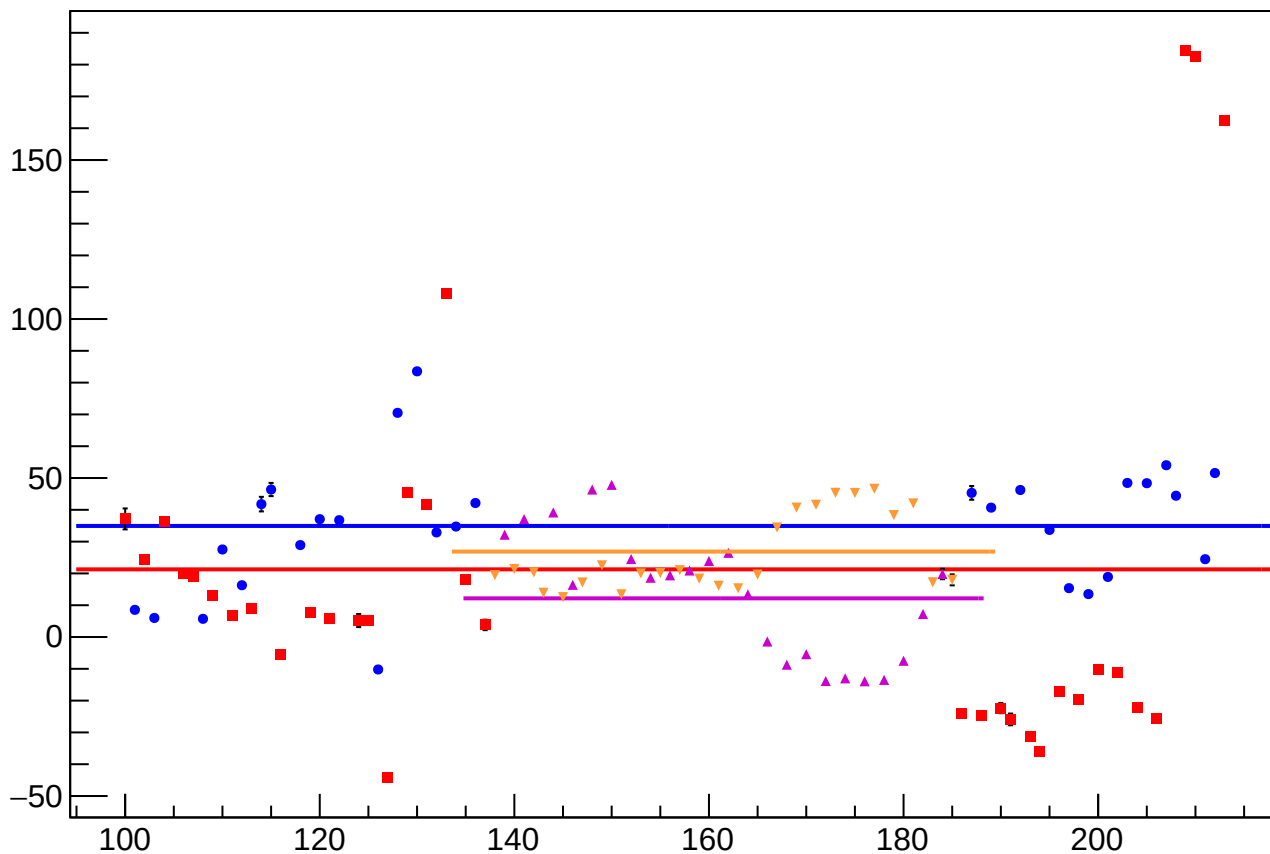
Left In: 644.873 $\pm$ 0.107 χ^2 /NDF: 229560.3/22

+ sign 578.468 $\pm$ 0.068 χ^2 /NDF: 1348415.4/53

All: 576.386 $\pm$ 0.048 χ^2 /NDF: 2866490.2/110

- sign 574.360 $\pm$ 0.067 χ^2 /NDF: 1516227.7/56

diff_bpm1i04X_mean vs Slug



Right In: 34.931 $\pm$ 0.206 χ^2 /NDF: 9148.0/28

Left Out: 26.866 $\pm$ 0.207 χ^2 /NDF:3390.4/24

Right Out: 21.282 $\pm$ 0.199 χ^2 /NDF: 102878.3/33

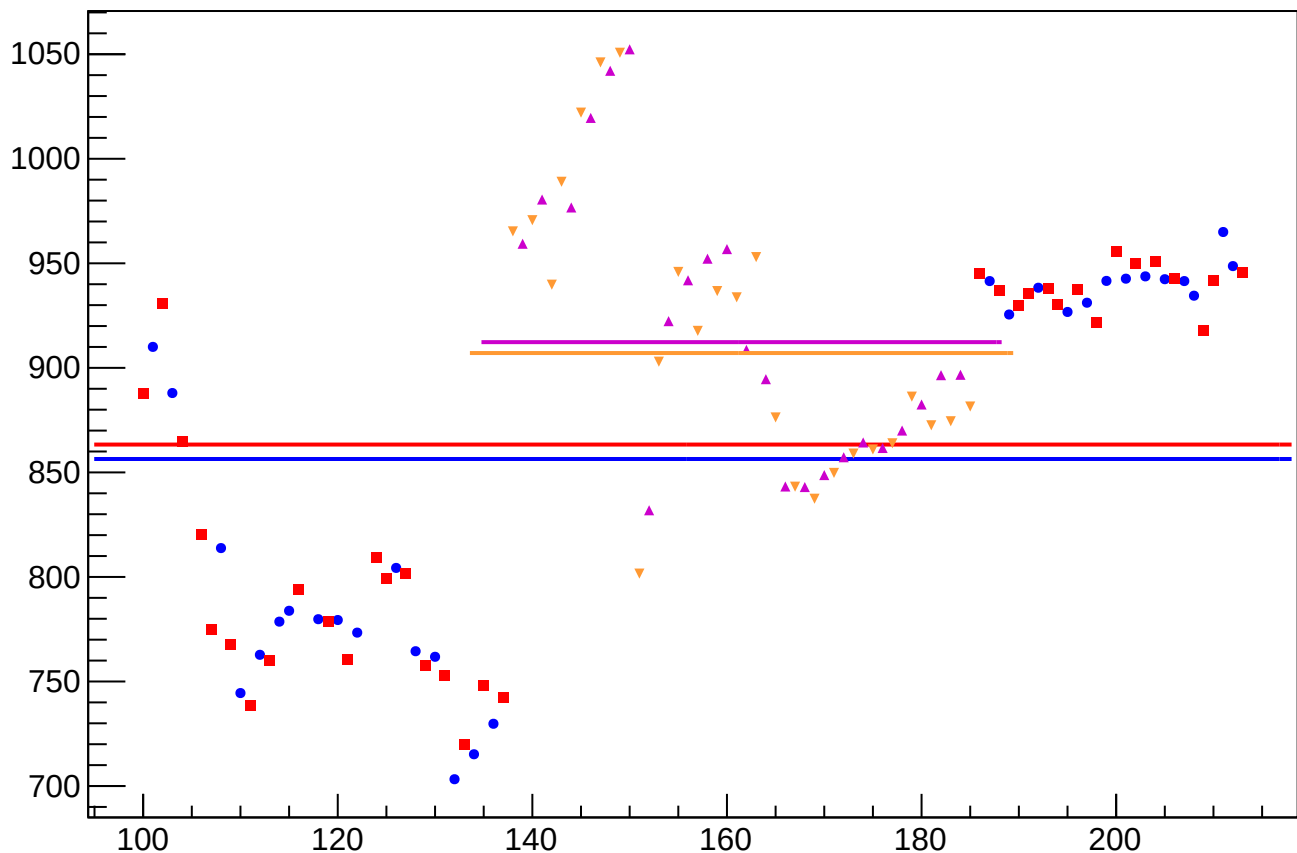
Left In: 12.159 $\pm$ 0.214 χ^2 /NDF:8547.0/22

+ sign 30.909 $\pm$ 0.146 χ^2 /NDF: 13301.6/53

All: 23.958 $\pm$ 0.103 χ^2 /NDF: 130224.7/110

- sign 17.053 $\pm$ 0.145 χ^2 /NDF: 112403.1/56

diff_bpm1i04X_rms vs Slug



Right In: 856.413 $\pm$ 0.146 χ^2 /NDF: 395156.0/28

Left Out: 907.089 $\pm$ 0.146 χ^2 /NDF:194606.8/24

Right Out: 863.318 $\pm$ 0.140 χ^2 /NDF: 377368.1/33

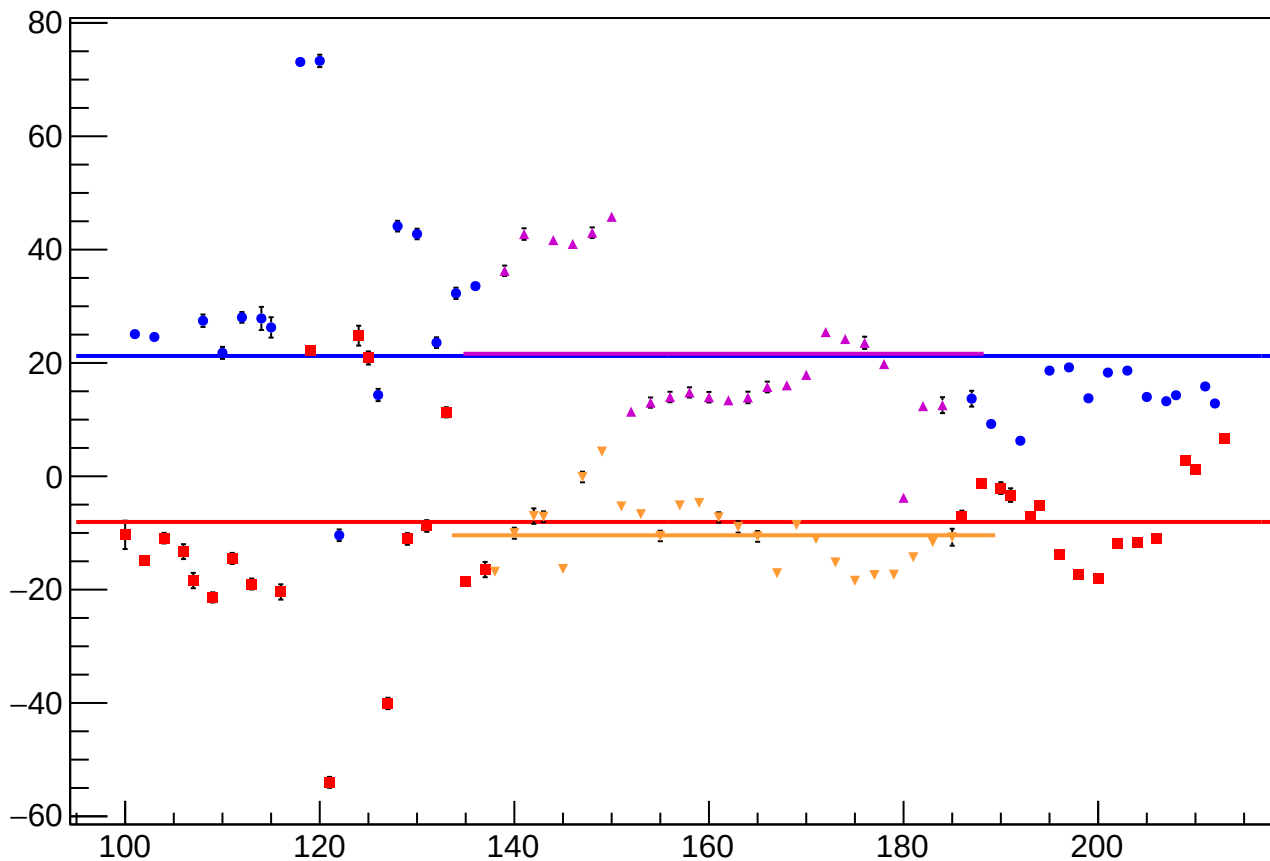
Left In: 912.301 $\pm$ 0.151 χ^2 /NDF:174715.2/22

+ sign 881.691 $\pm$ 0.103 χ^2 /NDF: 650027.9/53

All: 883.866 $\pm$ 0.073 χ^2 /NDF: 1259366.1/110

- sign 886.027 $\pm$ 0.103 χ^2 /NDF: 608452.9/56

diff_bpm1i04Y_mean vs Slug



Right In: 21.233 $\pm$ 0.147 χ^2 /NDF: 10234.4/28

Left Out: -10.406 $\pm$ 0.176 χ^2 /NDF:1041.8/24

Right Out: -8.058 $\pm$ 0.140 χ^2 /NDF: 8951.8/33

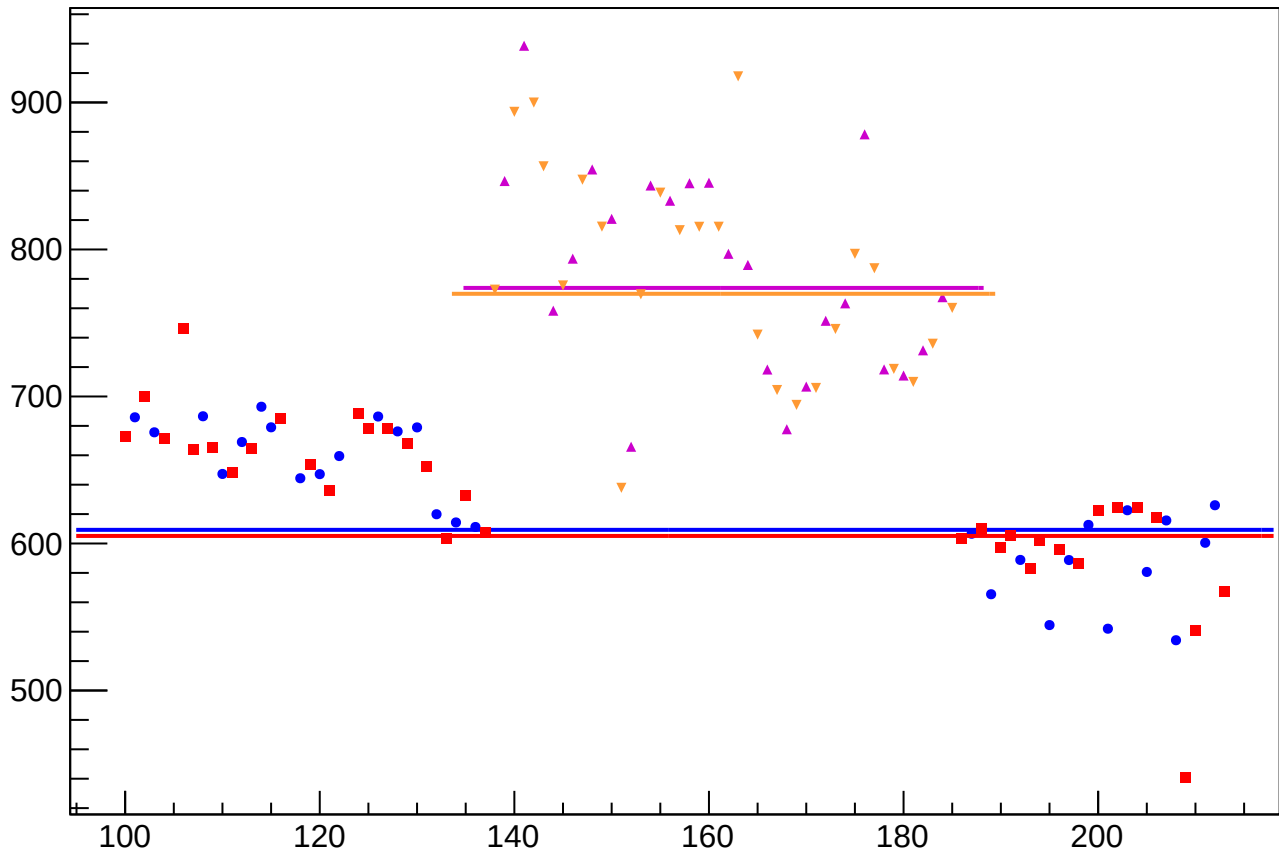
Left In: 21.621 $\pm$ 0.182 χ^2 /NDF:5241.8/22

+ sign 8.258 $\pm$ 0.113 χ^2 /NDF: 30339.4/53

All: 5.551 $\pm$ 0.079 χ^2 /NDF: 62418.9/110

- sign 2.937 $\pm$ 0.111 χ^2 /NDF: 30945.8/56

diff_bpm1i04Y_rms vs Slug



Right In: 609.284 $\pm$ 0.104 χ^2 /NDF: 195930.5/28

Left Out: 769.850 $\pm$ 0.124 χ^2 /NDF:304526.6/24

Right Out: 605.138 $\pm$ 0.099 χ^2 /NDF: 408662.5/33

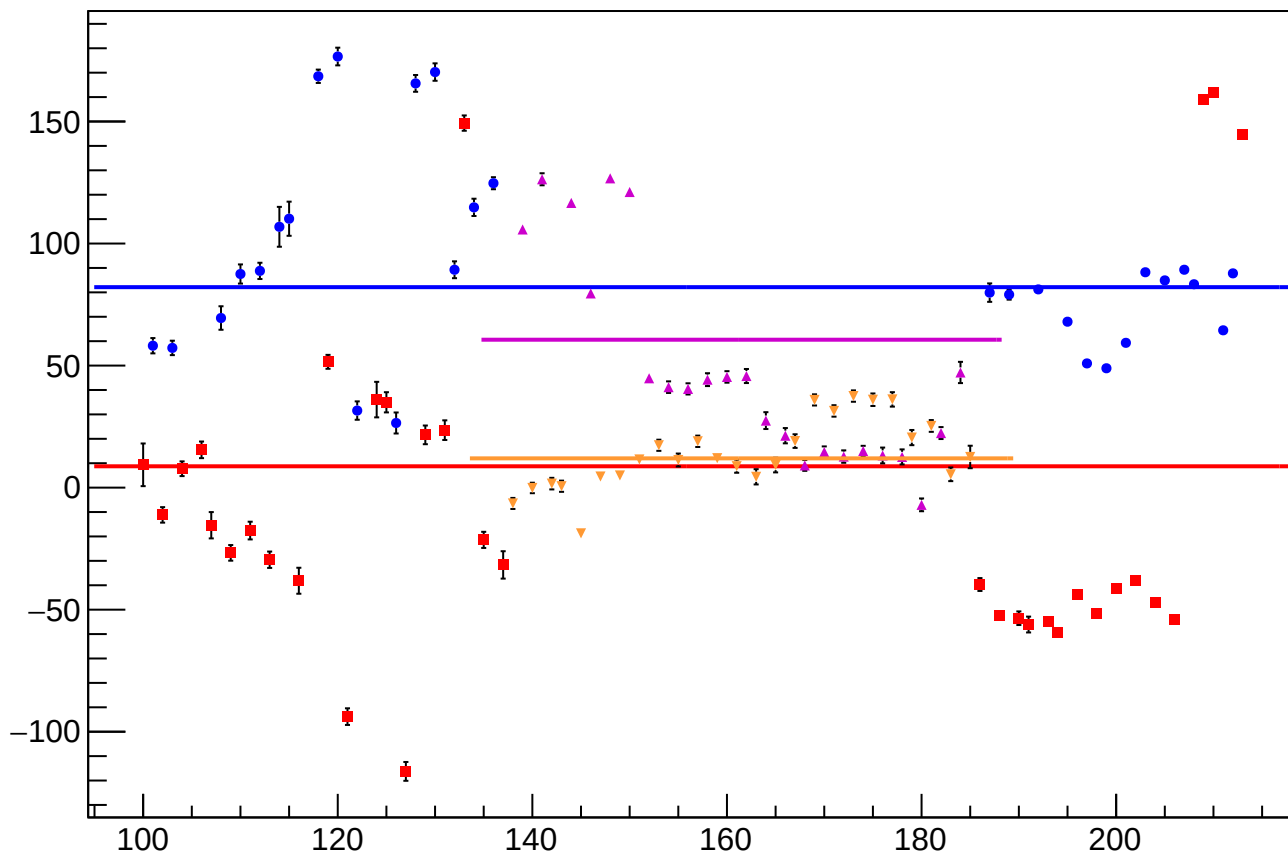
Left In: 773.845 $\pm$ 0.129 χ^2 /NDF:282843.1/22

+ sign 675.132 $\pm$ 0.080 χ^2 /NDF: 1482403.4/53

All: 671.319 $\pm$ 0.056 χ^2 /NDF: 3261025.5/110

- sign 667.639 $\pm$ 0.078 χ^2 /NDF: 1774124.5/56

diff_bpm1i06X_mean vs Slug



Right In: 82.130 $\pm$ 0.442 χ^2 /NDF: 4795.0/28

Left Out: 11.989 $\pm$ 0.472 χ^2 /NDF: 947.1/24

Right Out: 8.741 $\pm$ 0.414 χ^2 /NDF: 44523.8/33

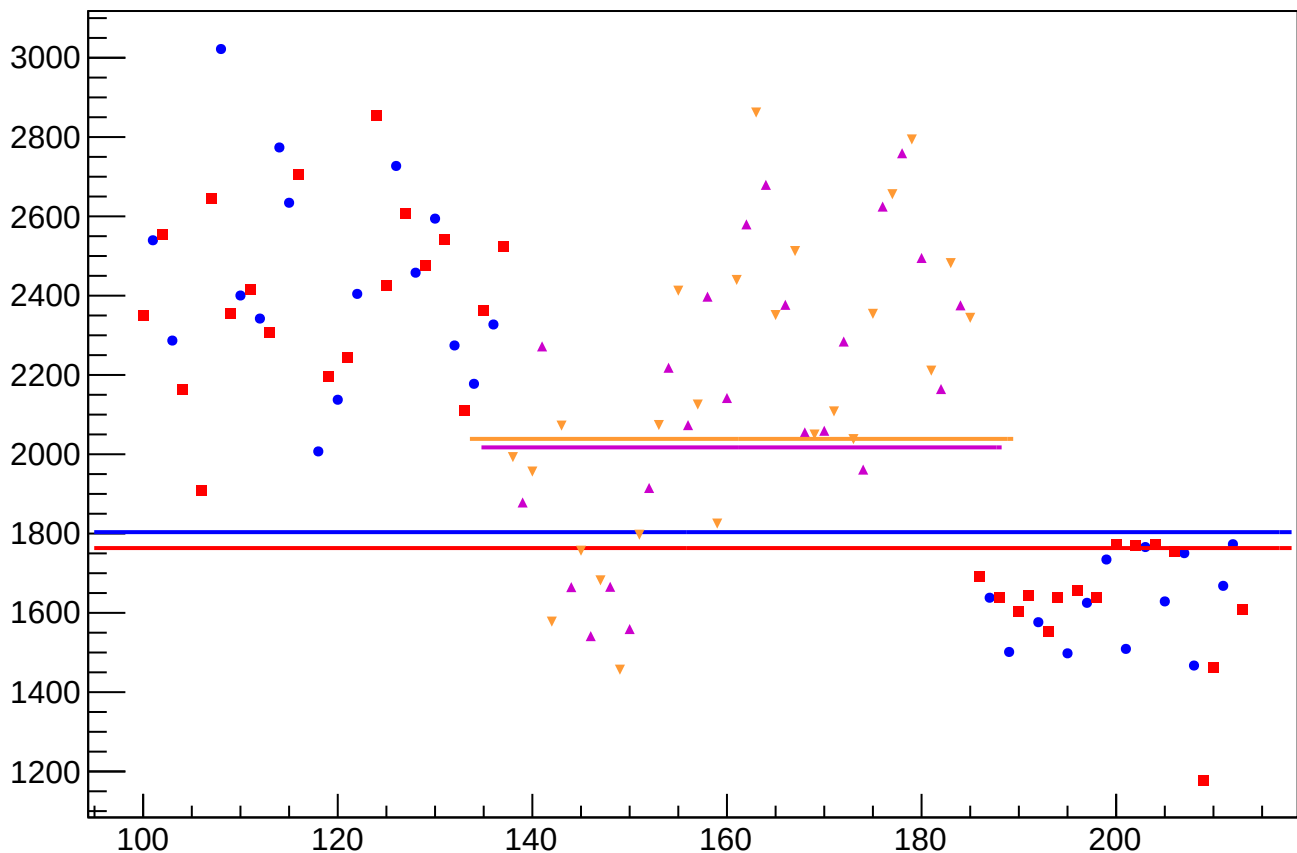
Left In: 60.598 $\pm$ 0.481 χ^2 /NDF: 8638.1/22

+ sign 49.294 $\pm$ 0.323 χ^2 /NDF: 17510.0/53

All: 39.799 $\pm$ 0.225 χ^2 /NDF: 79034.4/110

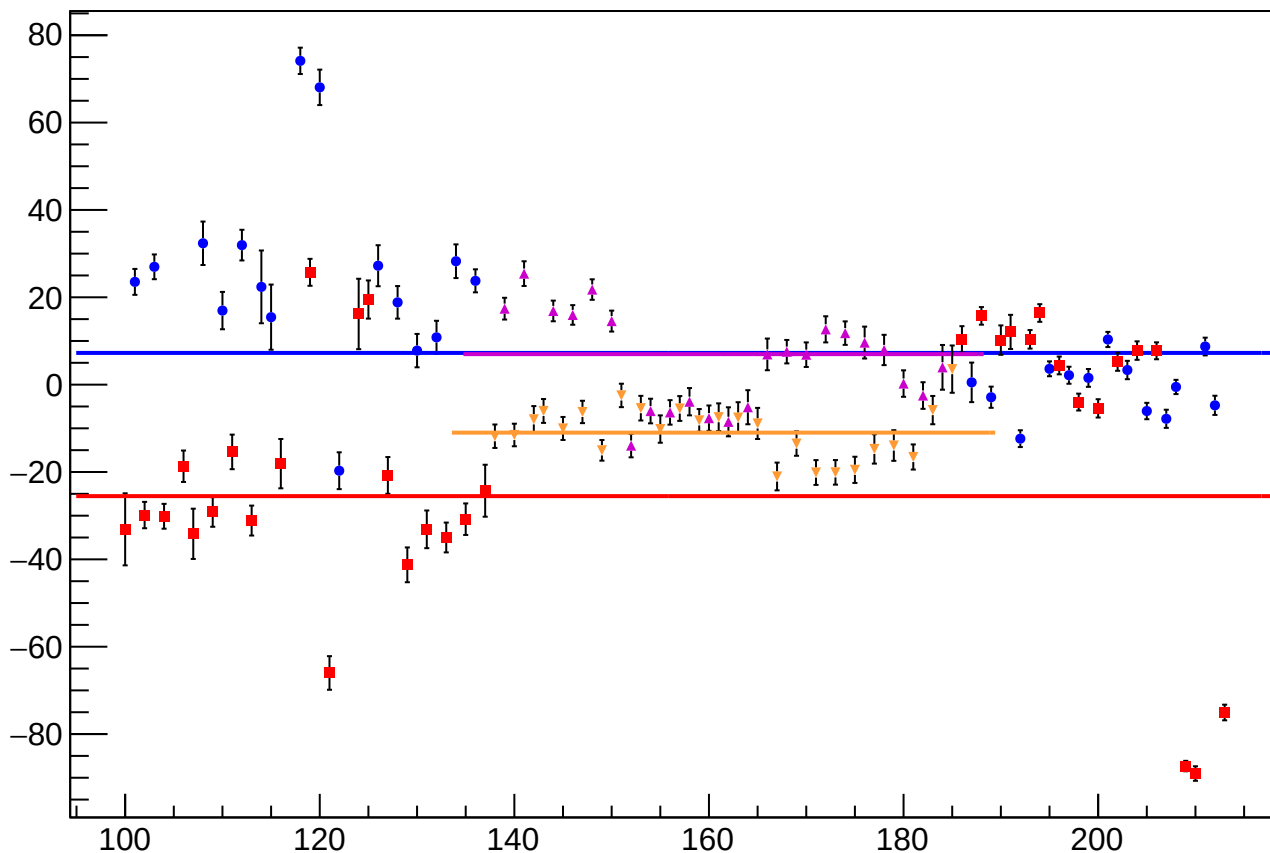
- sign 30.818 $\pm$ 0.314 χ^2 /NDF: 59839.2/56

diff_bpm1i06X_rms vs Slug



Right In: 1803.574 $\pm$ 0.313	χ^2 /NDF: 1297318.4/28	+ sign 1913.686 $\pm$ 0.228	χ^2 /NDF: 2685498.0/53
Left Out: 2038.784 $\pm$ 0.333	χ^2 /NDF: 1123518.3/24	All: 1892.015 $\pm$ 0.159	χ^2 /NDF: 5671228.8/11
Right Out: 1763.418 $\pm$ 0.293	χ^2 /NDF: 1597961.9/33	- sign 1871.517 $\pm$ 0.222	χ^2 /NDF: 2968172.6/56
Left In: 2017.328 $\pm$ 0.340	χ^2 /NDF: 1050043.3/22		

diff_bpm1i06Y_mean vs Slug



Right In: 7.266 ± 0.478 χ^2/NDF : 1322.5/28

Left Out: -10.985 ± 0.586 χ^2/NDF : 87.6/24

Right Out: -25.523 ± 0.446 χ^2/NDF : 8142.1/33

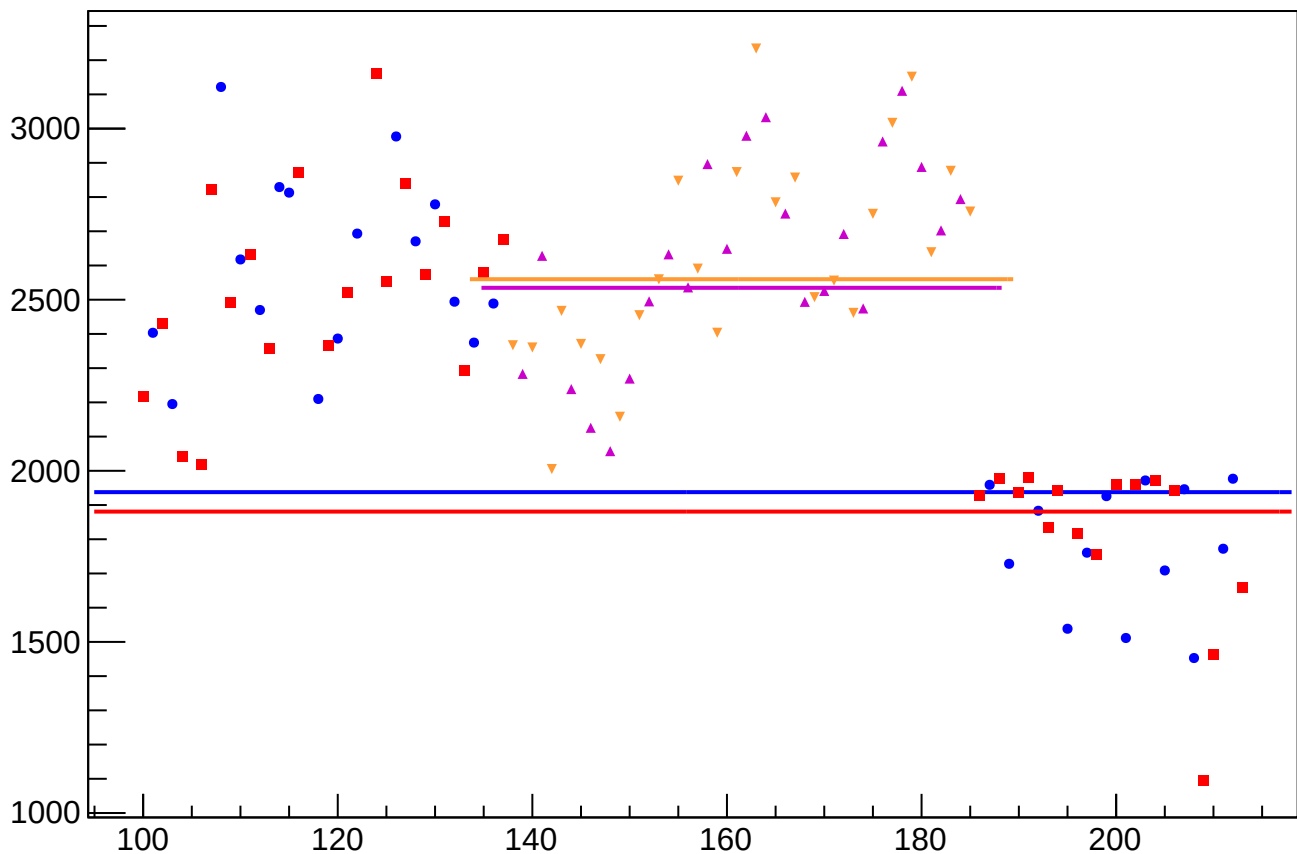
Left In: 6.985 ± 0.598 χ^2/NDF : 339.5/22

+ sign -0.031 ± 0.370 χ^2/NDF : 1992.5/53

All: -7.228 ± 0.257 χ^2/NDF : 13100.9/110

- sign -13.927 ± 0.357 χ^2/NDF : 10379.6/56

diff_bpm1i06Y_rms vs Slug



Right In: 1937.669+/-0.338 χ^2/NDF : 1342754.8/28

Left Out: 2559.931+/-0.414 χ^2/NDF : 450188.5/24

Right Out: 1880.813+/-0.315 χ^2/NDF : 2005772.5/33

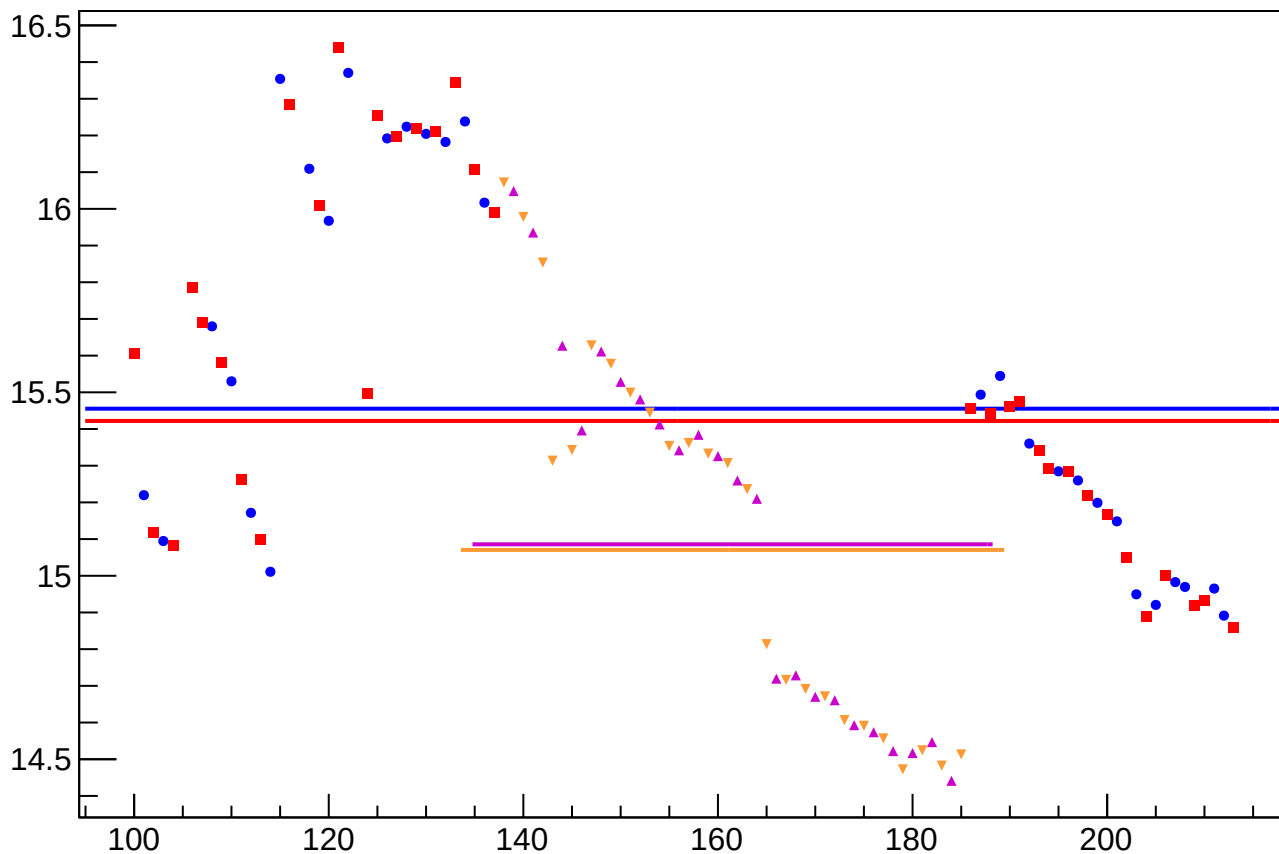
Left In: 2534.780+/-0.423 χ^2/NDF : 463621.9/22

+ sign 2186.437+/-0.262 χ^2/NDF : 3147052.8/53

All: 2148.970+/-0.182 χ^2/NDF : 7192243.3/11

- sign 2114.090+/-0.253 χ^2/NDF : 4005687.3/56

yield_sam1_mean vs Slug



Right In: 15.455+/-0.000 χ^2/NDF : 24372432089.6/28

Left Out: 15.070+/-0.000 χ^2/NDF : 43718295237.2/24

Right Out: 15.422+/-0.000 χ^2/NDF : 23396096009.7/33

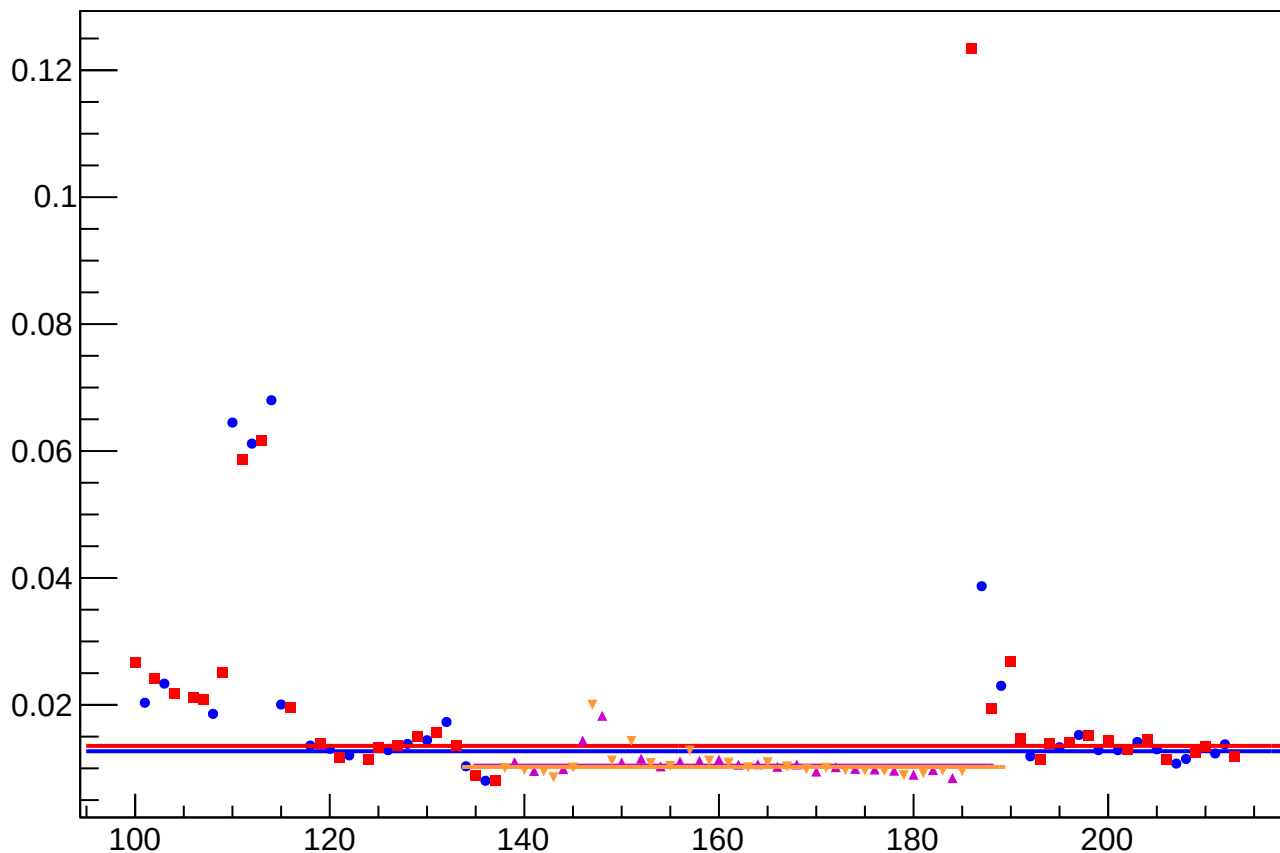
Left In: 15.086+/-0.000 χ^2/NDF : 39504896066.7/22

+ sign 15.205+/-0.000 χ^2/NDF : 77103458515.2/53

All: 15.206+/-0.000 χ^2/NDF : 146434507549.

- sign 15.207+/-0.000 χ^2/NDF : 69330667825.4/56

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2846637.5/28

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 760322.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 3393624.0/33

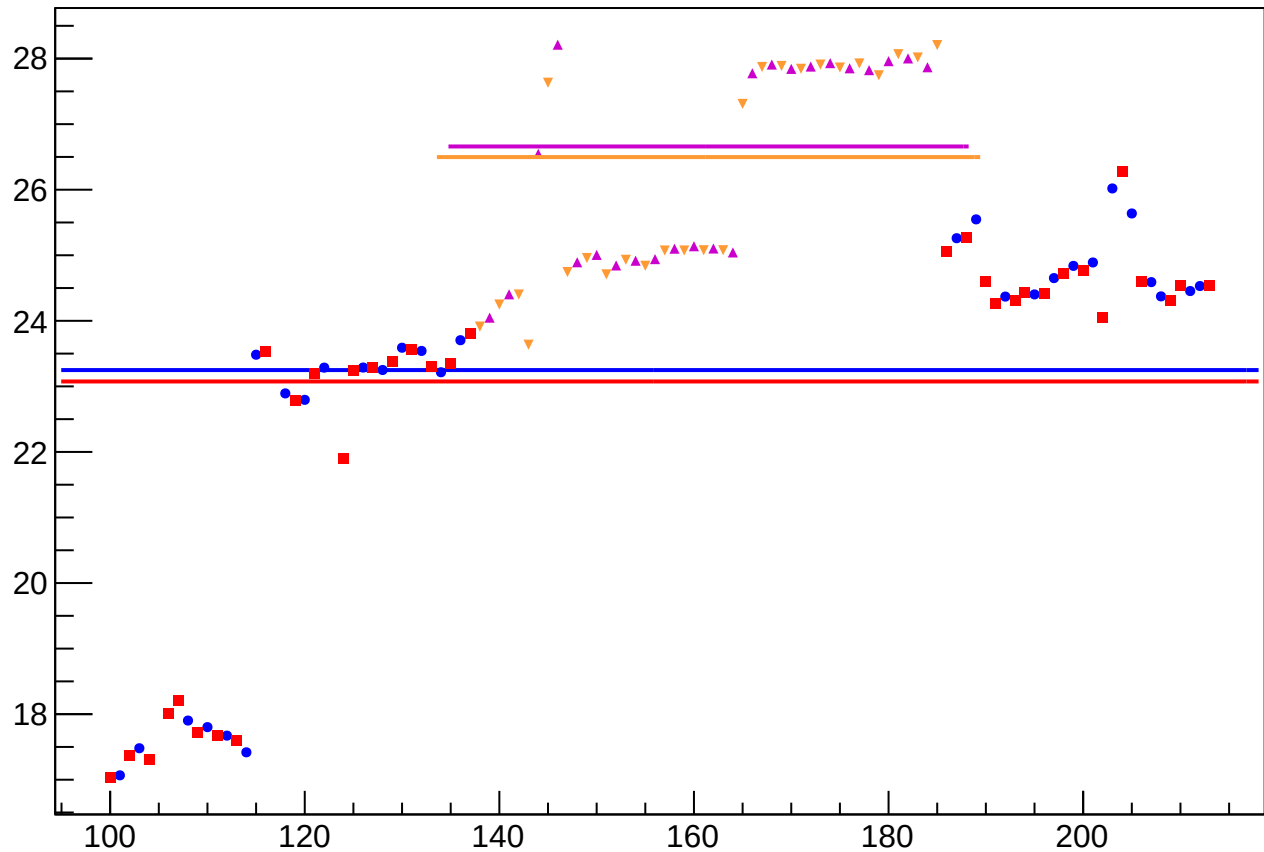
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 597752.6/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4354201.3/53

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 9503705.0/110

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5093950.0/56

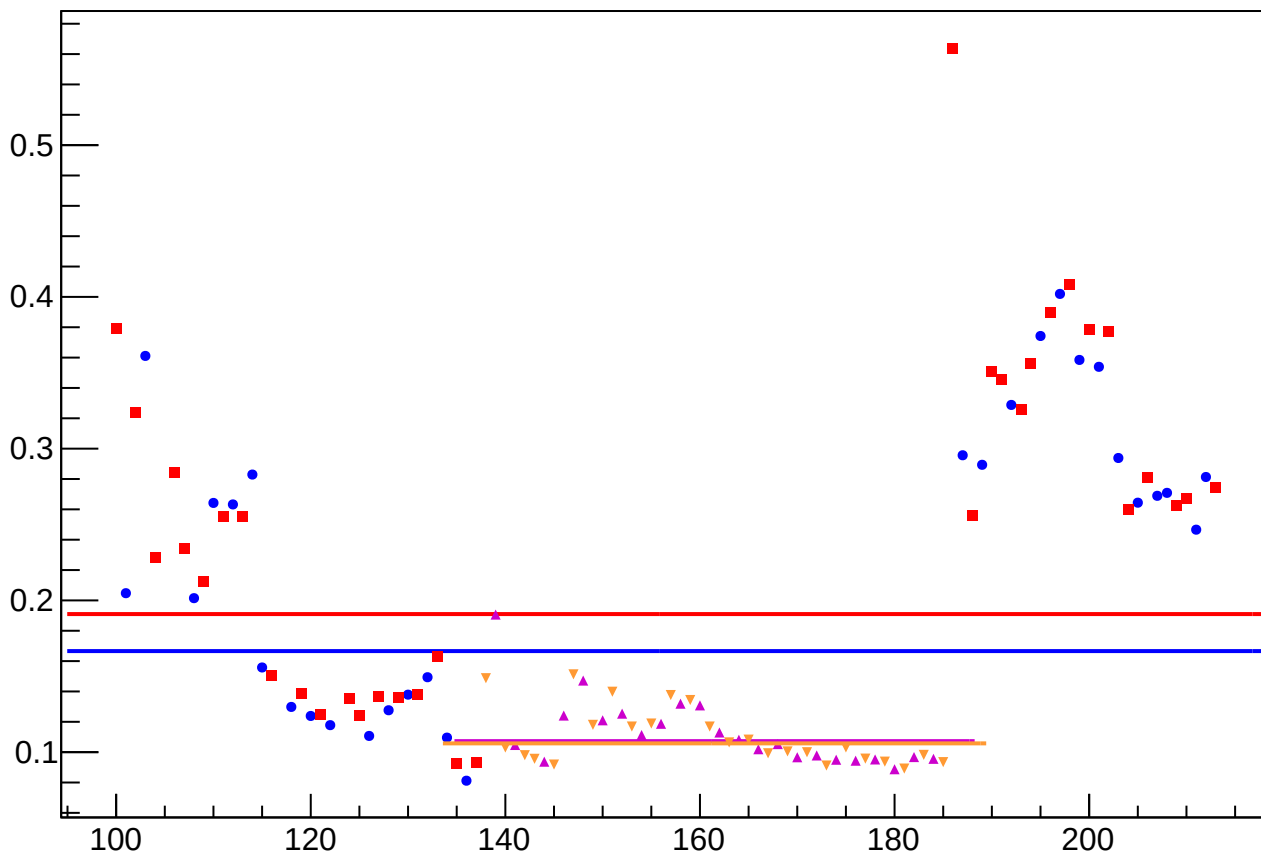
yield_sam2_mean vs Slug



Right In: 23.249+/-0.000 χ^2/NDF : 1629529549.3/28
 Left Out: 26.498+/-0.000 χ^2/NDF : 3909357236.5/24
 Right Out: 23.075+/-0.000 χ^2/NDF : 1725924187.0/33
 Left In: 26.660+/-0.000 χ^2/NDF : 2886823196.4/22

+ sign 25.738+/-0.000 χ^2/NDF : 9199077975.6/53
 All: 25.792+/-0.000 χ^2/NDF : 17760552956.3
 - sign 25.852+/-0.000 χ^2/NDF : 8549475351.8/56

yield_sam2_rms vs Slug



Right In: 0.167 $\pm$ 0.000 χ^2 /NDF: 7169785.6/28

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 756185.0/24

Right Out: 0.191 $\pm$ 0.000 χ^2 /NDF: 6662763.2/33

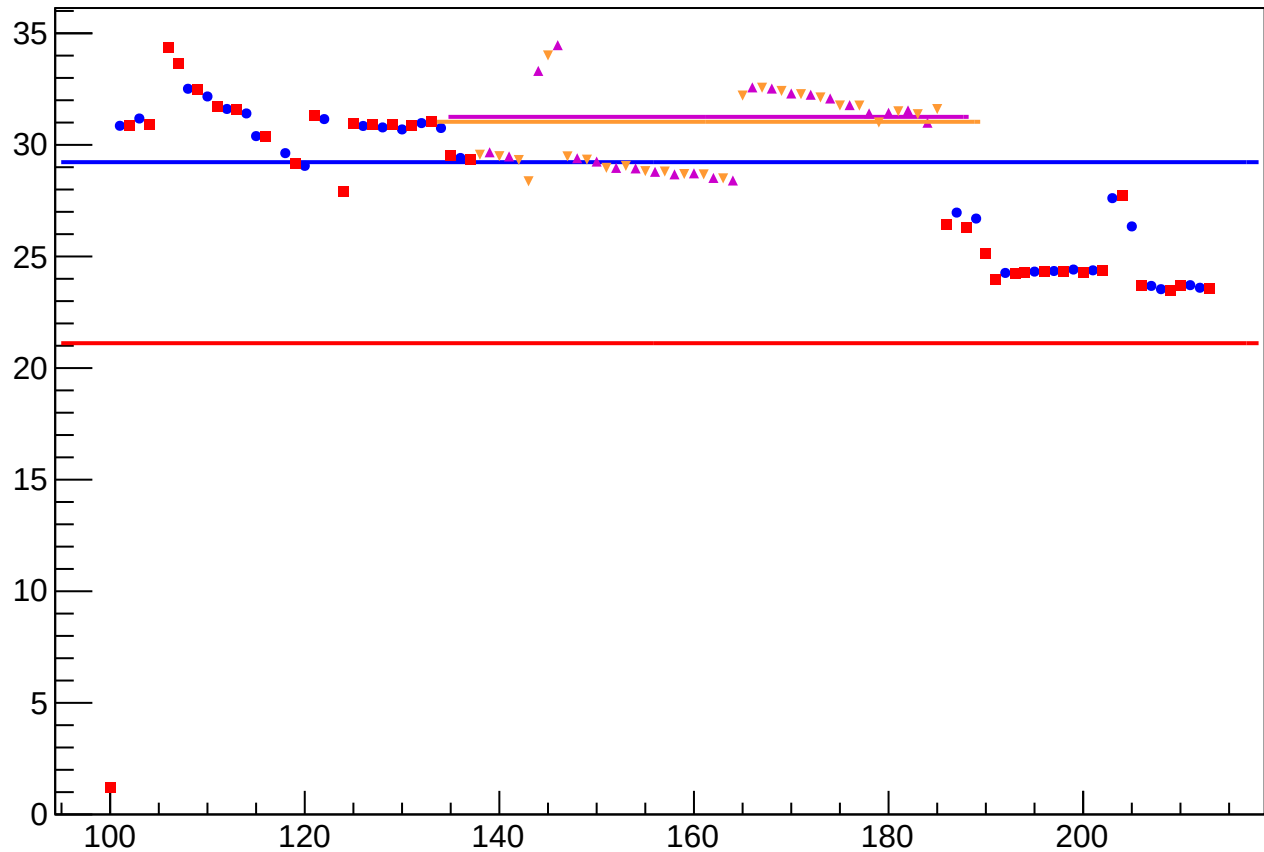
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 859458.3/22

+ sign 0.120 $\pm$ 0.000 χ^2 /NDF: 10491021.9/53

All: 0.123 $\pm$ 0.000 χ^2 /NDF: 22377961.1/110

- sign 0.126 $\pm$ 0.000 χ^2 /NDF: 11818057.2/56

yield_sam3_mean vs Slug



Right In: 29.226 $\pm$ 0.000 χ^2 /NDF: 7190062714.1/28

Left Out: 31.035 $\pm$ 0.000 χ^2 /NDF:11897463221.2/24

Right Out: 21.115 $\pm$ 0.000 χ^2 /NDF: 226287297000.4/33

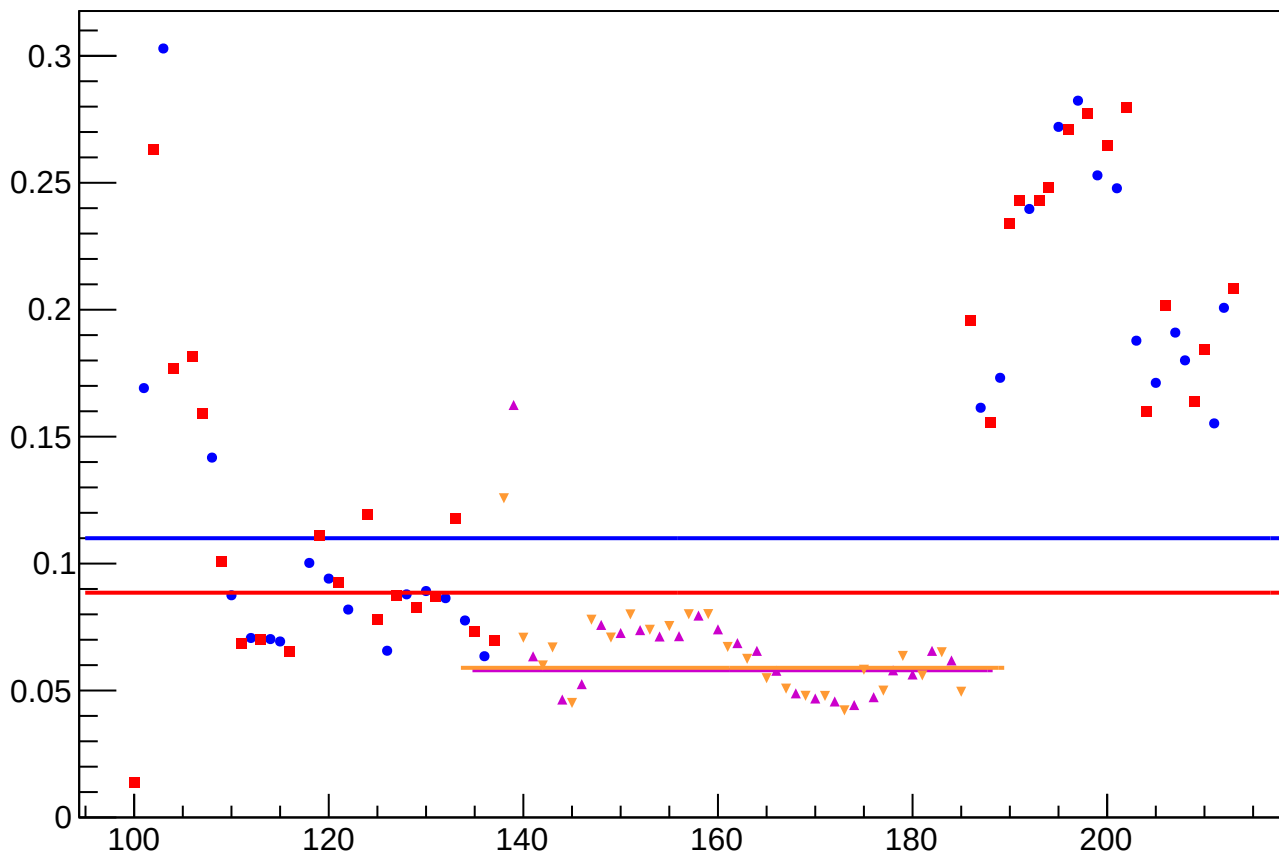
Left In: 31.256 $\pm$ 0.000 χ^2 /NDF:12589744083.0/22

+ sign 30.689 $\pm$ 0.000 χ^2 /NDF: 21768587945.9/53

All: 29.708 $\pm$ 0.000 χ^2 /NDF: 375171445792.

- sign 28.759 $\pm$ 0.000 χ^2 /NDF: 343372273812.6/56

yield_sam3_rms vs Slug



Right In: 0.110 $\pm$ 0.000 χ^2 /NDF: 6911540.9/28

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1536601.0/24

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 13373765.2/33

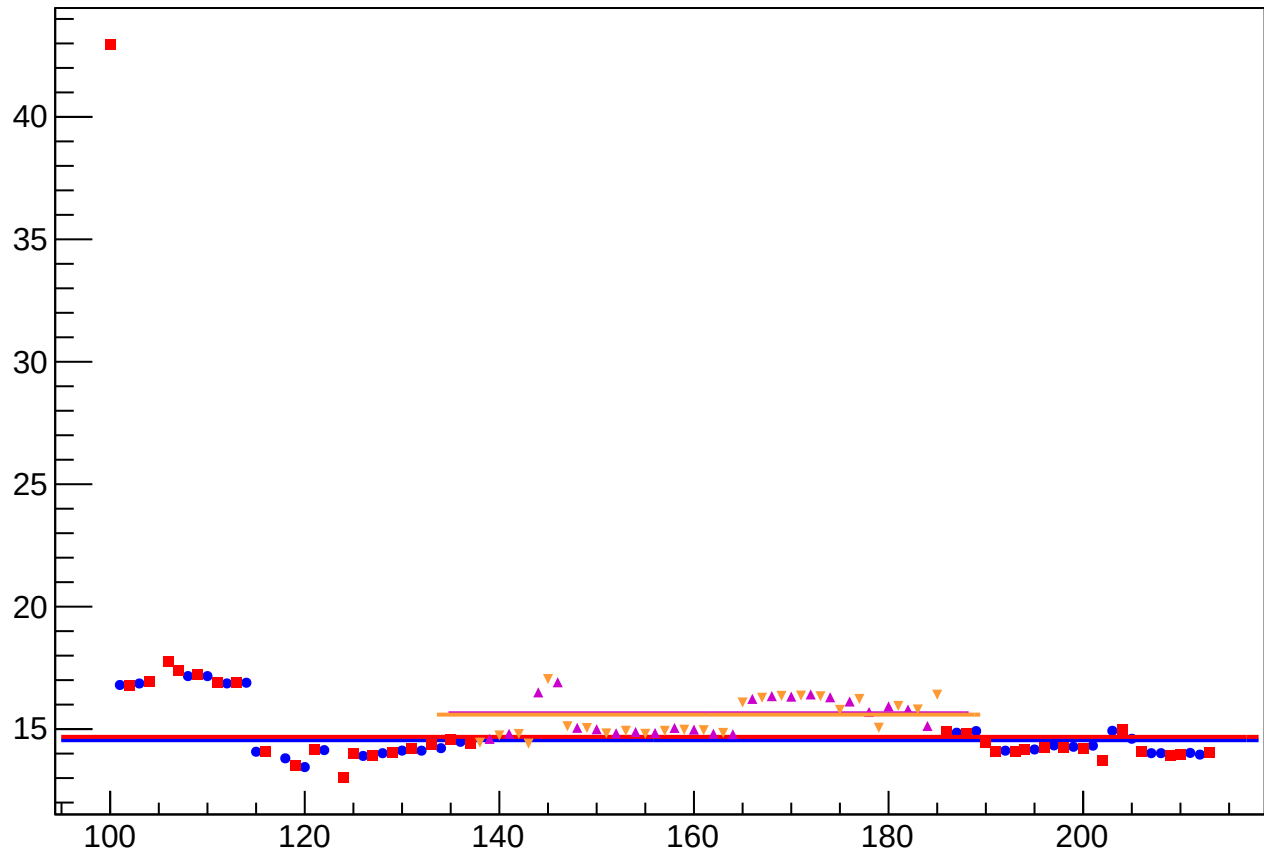
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1716553.7/22

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 12719350.0/53

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 29761266.3/110

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 16986692.9/56

yield_sam4_mean vs Slug



Right In: 14.546+/-0.000 χ^2/NDF : 1263329005.5/28

Left Out: 15.591+/-0.000 χ^2/NDF : 2257437225.0/24

Right Out: 14.683+/-0.000 χ^2/NDF : 1874101343.1/33

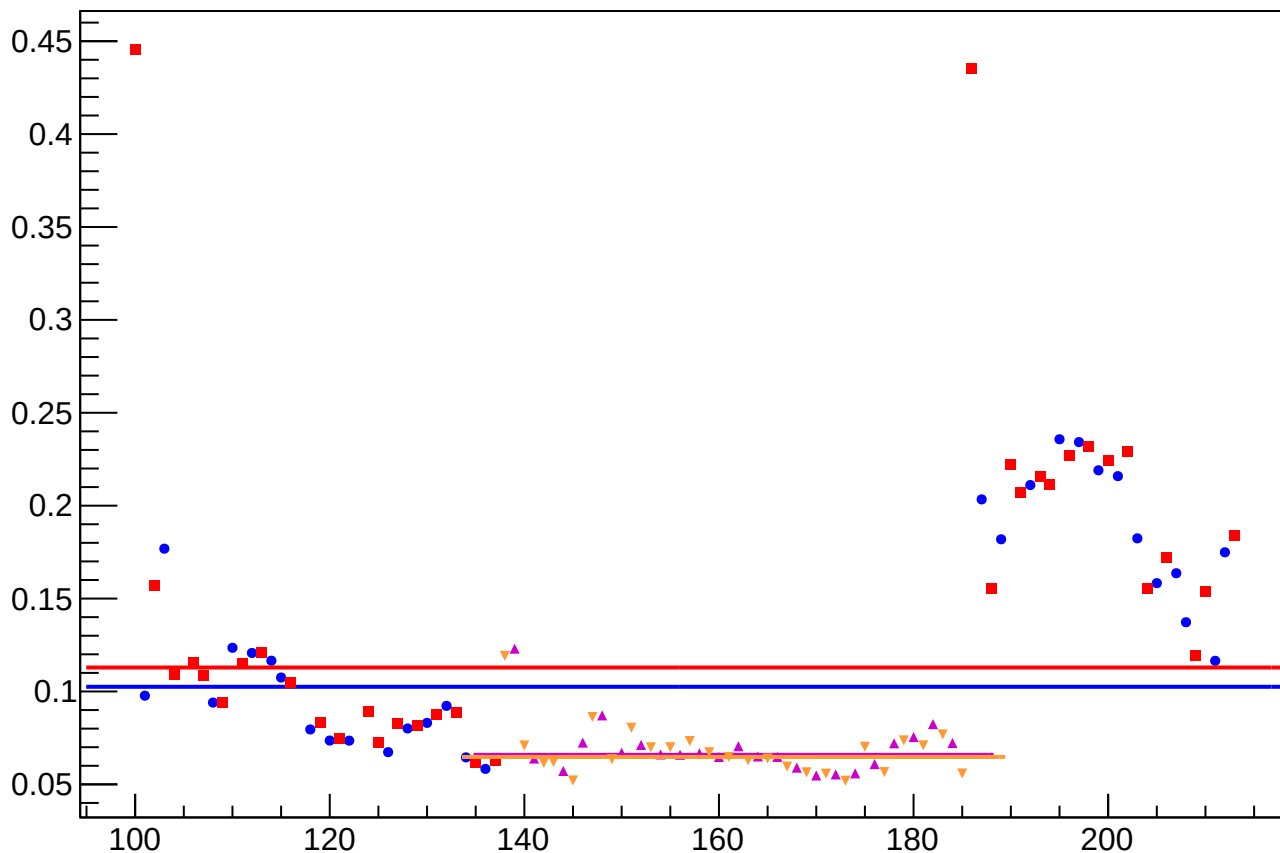
Left In: 15.645+/-0.000 χ^2/NDF : 1858454747.6/22

+ sign 15.336+/-0.000 χ^2/NDF : 4561680696.1/53

All: 15.371+/-0.000 χ^2/NDF : 9116395749.0/100

- sign 15.410+/-0.000 χ^2/NDF : 4541421972.4/56

yield_sam4_rms vs Slug



Right In: 0.103 $\pm$ 0.000 χ^2 /NDF: 5873767.9/28

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF:855753.3/24

Right Out: 0.113 $\pm$ 0.000 χ^2 /NDF: 5938528.0/33

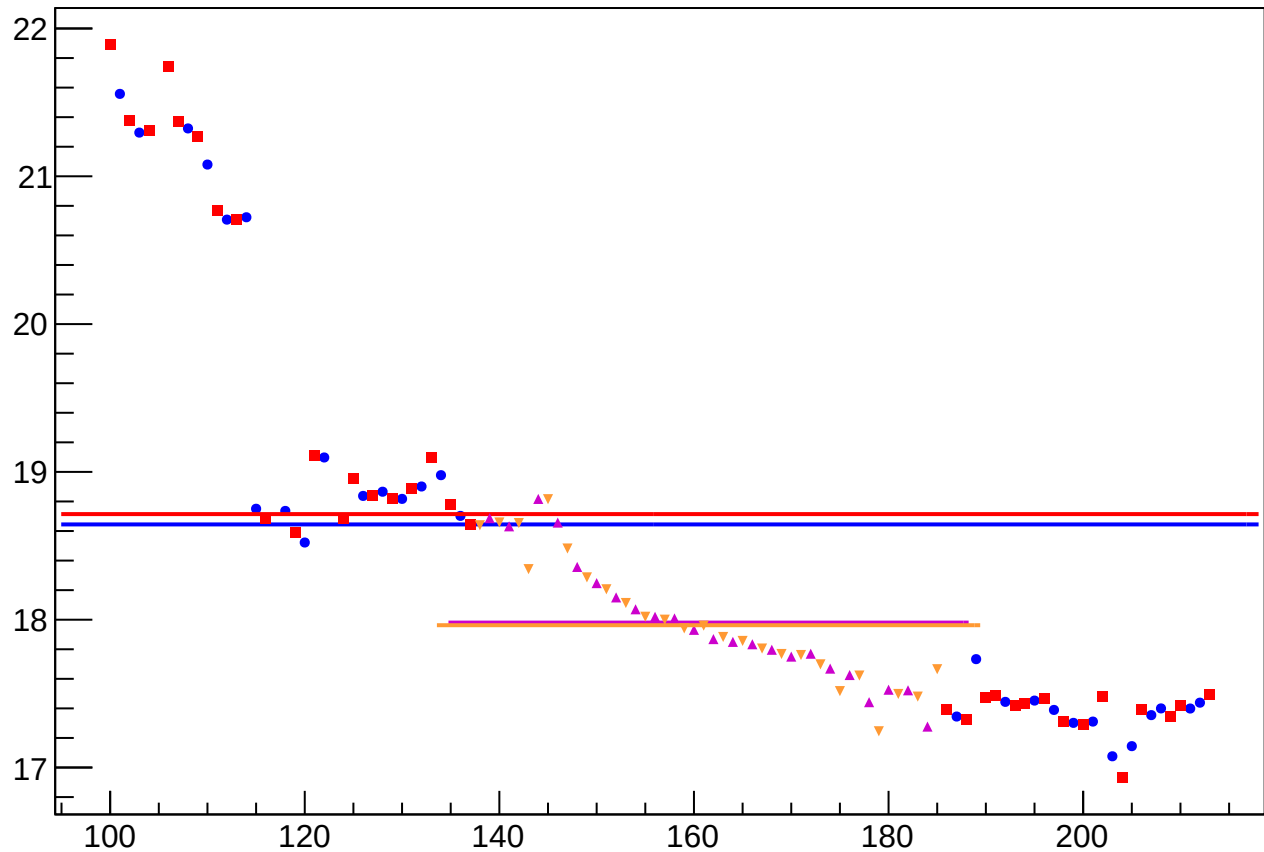
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF:788235.2/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 9447769.4/53

All: 0.076 $\pm$ 0.000 χ^2 /NDF: 20098873.8/110

- sign 0.077 $\pm$ 0.000 χ^2 /NDF: 10593219.6/56

yield_sam5_mean vs Slug



Right In: 18.645 $\pm$ 0.000 χ^2/NDF : 34462193049.9/28

Left Out: 17.963 $\pm$ 0.000 χ^2/NDF : 3041551307.2/24

Right Out: 18.715 $\pm$ 0.000 χ^2/NDF : 37430833187.4/33

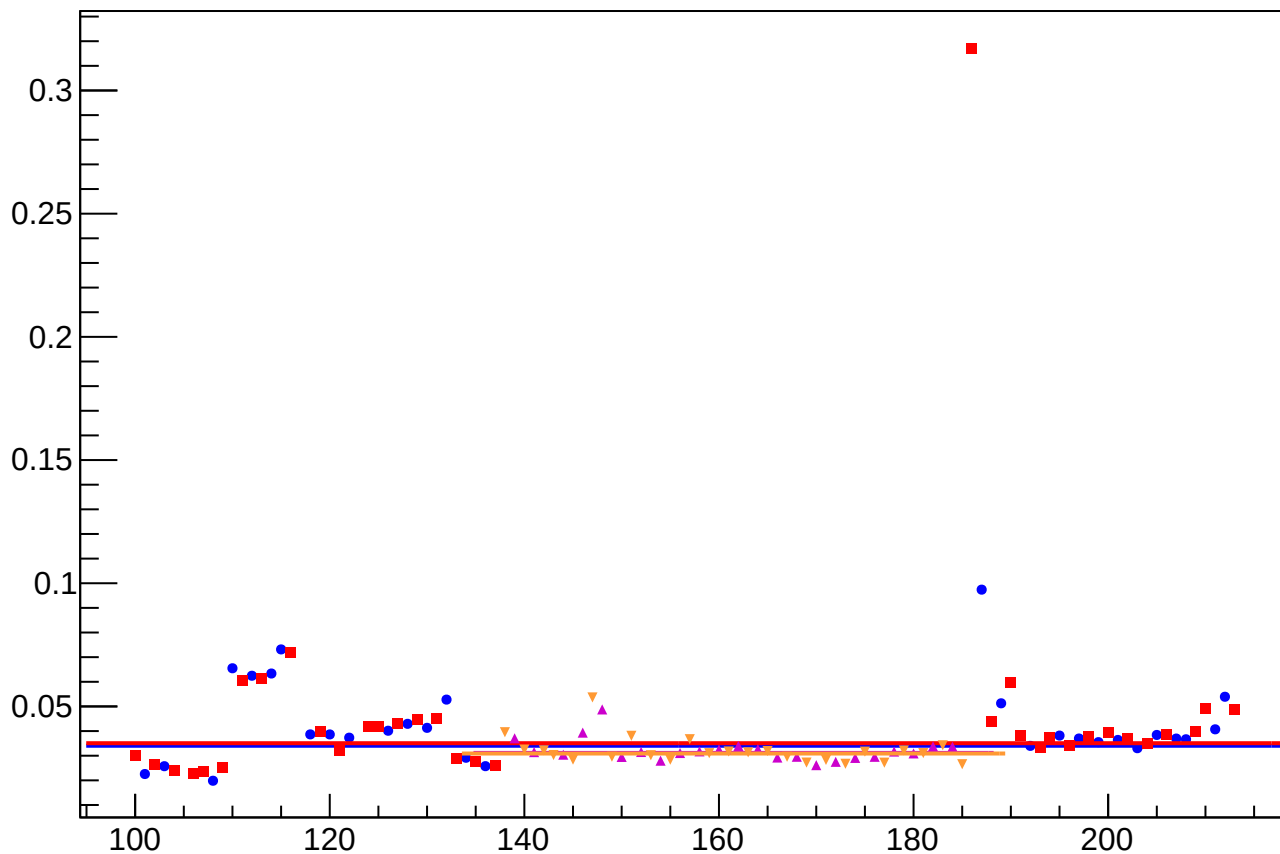
Left In: 17.980 $\pm$ 0.000 χ^2/NDF : 2720441956.8/22

+ sign 18.241 $\pm$ 0.000 χ^2/NDF : 41147844026.7/53

All: 18.268 $\pm$ 0.000 χ^2/NDF : 85494163533.2

- sign 18.297 $\pm$ 0.000 χ^2/NDF : 44297608802.4/56

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 2228589.5/28

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:633519.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2577576.9/33

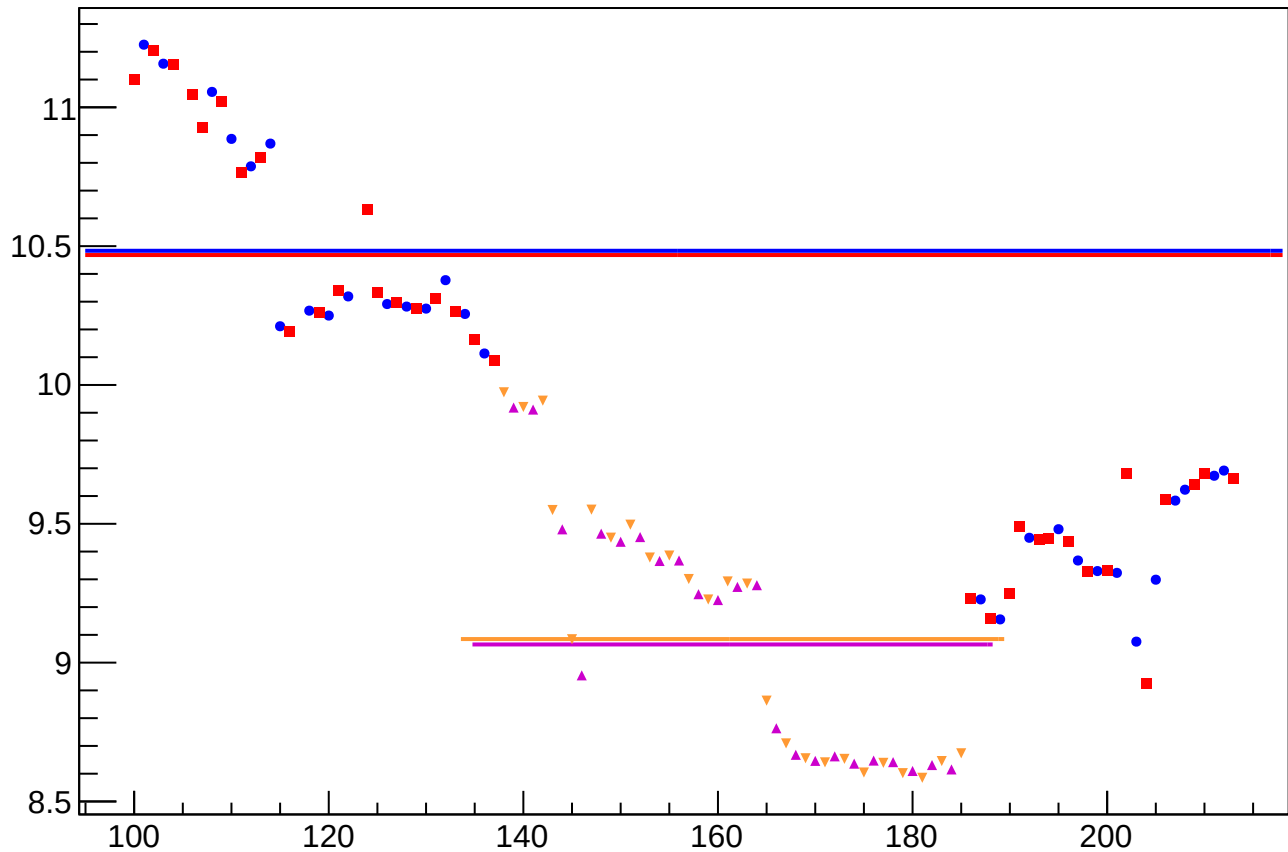
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:482919.2/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 3018210.5/53

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6331469.4/110

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3299576.8/56

yield_sam6_mean vs Slug



Right In: 10.483 $\pm$ 0.000 χ^2 /NDF: 14988922952.3/28

Left Out: 9.085 $\pm$ 0.000 χ^2 /NDF: 10203625727.4/24

Right Out: 10.468 $\pm$ 0.000 χ^2 /NDF: 14113491435.2/33

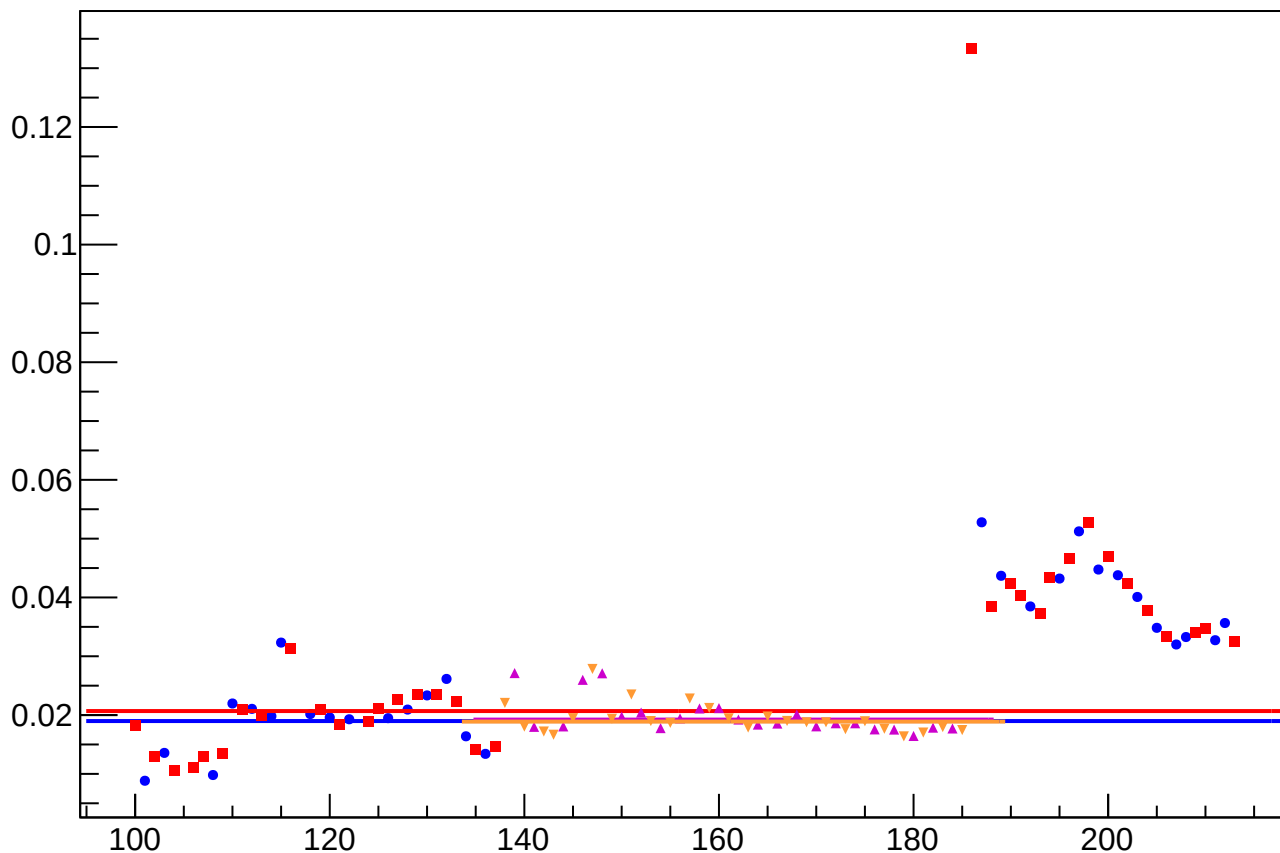
Left In: 9.065 $\pm$ 0.000 χ^2 /NDF: 8070708662.0/22

+ sign 9.659 $\pm$ 0.000 χ^2 /NDF: 64782335449.3/53

All: 9.658 $\pm$ 0.000 χ^2 /NDF: 124154018978.7

- sign 9.658 $\pm$ 0.000 χ^2 /NDF: 59371553352.8/56

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 7930622.3/28

Left Out: 0.019+/-0.000 χ^2/NDF : 441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF : 7929161.5/33

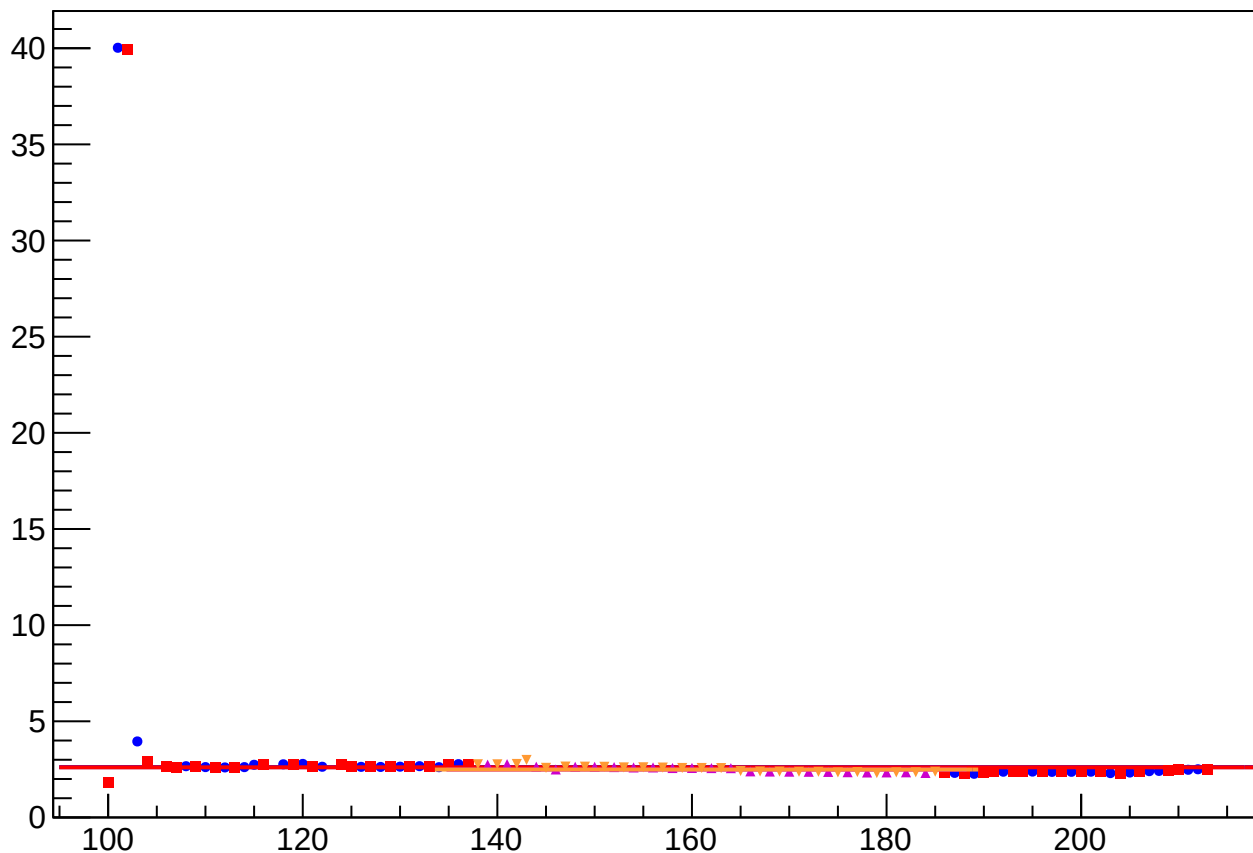
Left In: 0.019+/-0.000 χ^2/NDF : 540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF : 8372301.5/53

All: 0.019+/-0.000 χ^2/NDF : 16989146.5/110

- sign 0.020+/-0.000 χ^2/NDF : 8549723.8/56

yield_sam7_mean vs Slug



Right In: 2.618+/-0.000 χ^2/NDF : 86962962229.5/28

Left Out: 2.491+/-0.000 χ^2/NDF : 92364283353.6/24

Right Out: 2.607+/-0.000 χ^2/NDF : 85289885837.3/33

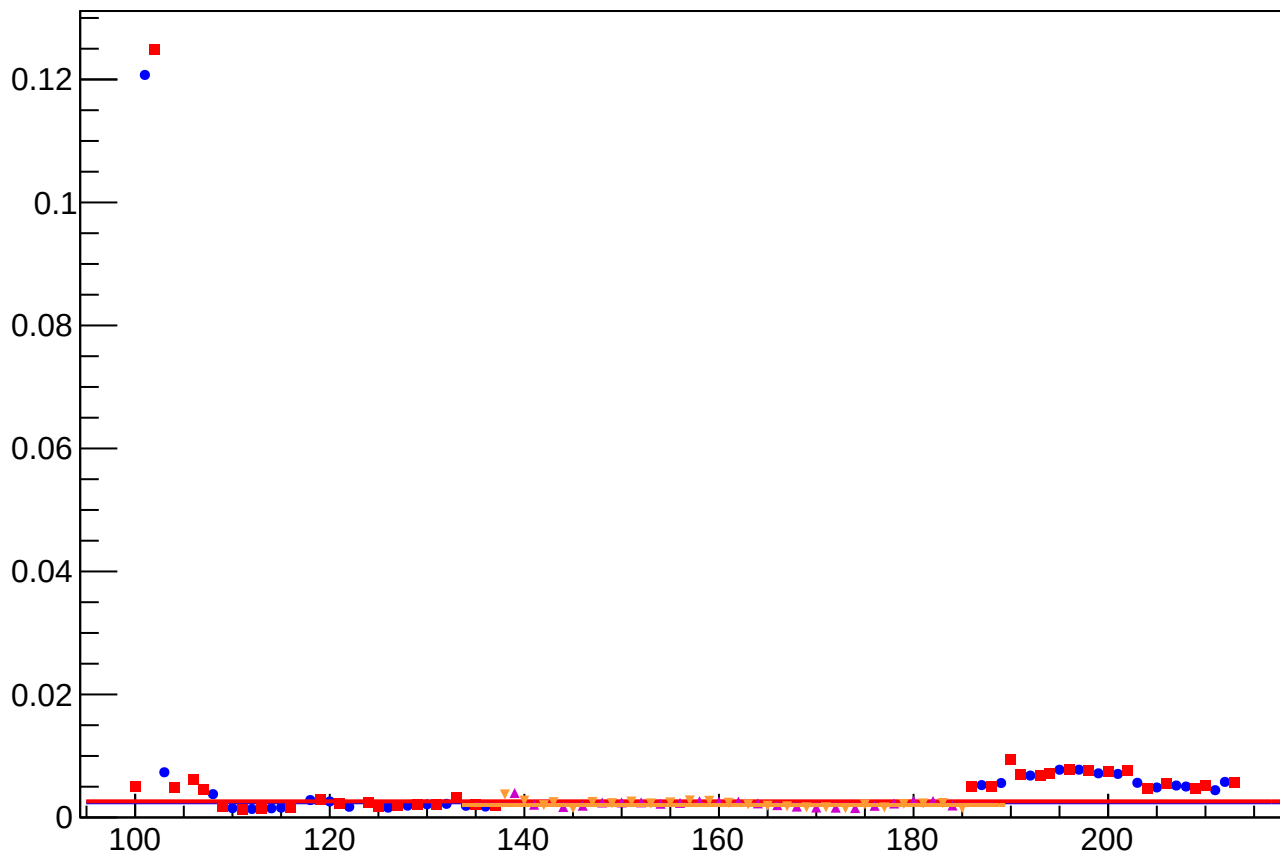
Left In: 2.489+/-0.000 χ^2/NDF : 61212546319.1/22

+ sign 2.531+/-0.000 χ^2/NDF : 198437272030.7/53

All: 2.530+/-0.000 χ^2/NDF : 360998092632.5

- sign 2.528+/-0.000 χ^2/NDF : 162532995228.4/56

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9852402.0/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1556481.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 11360724.2/33

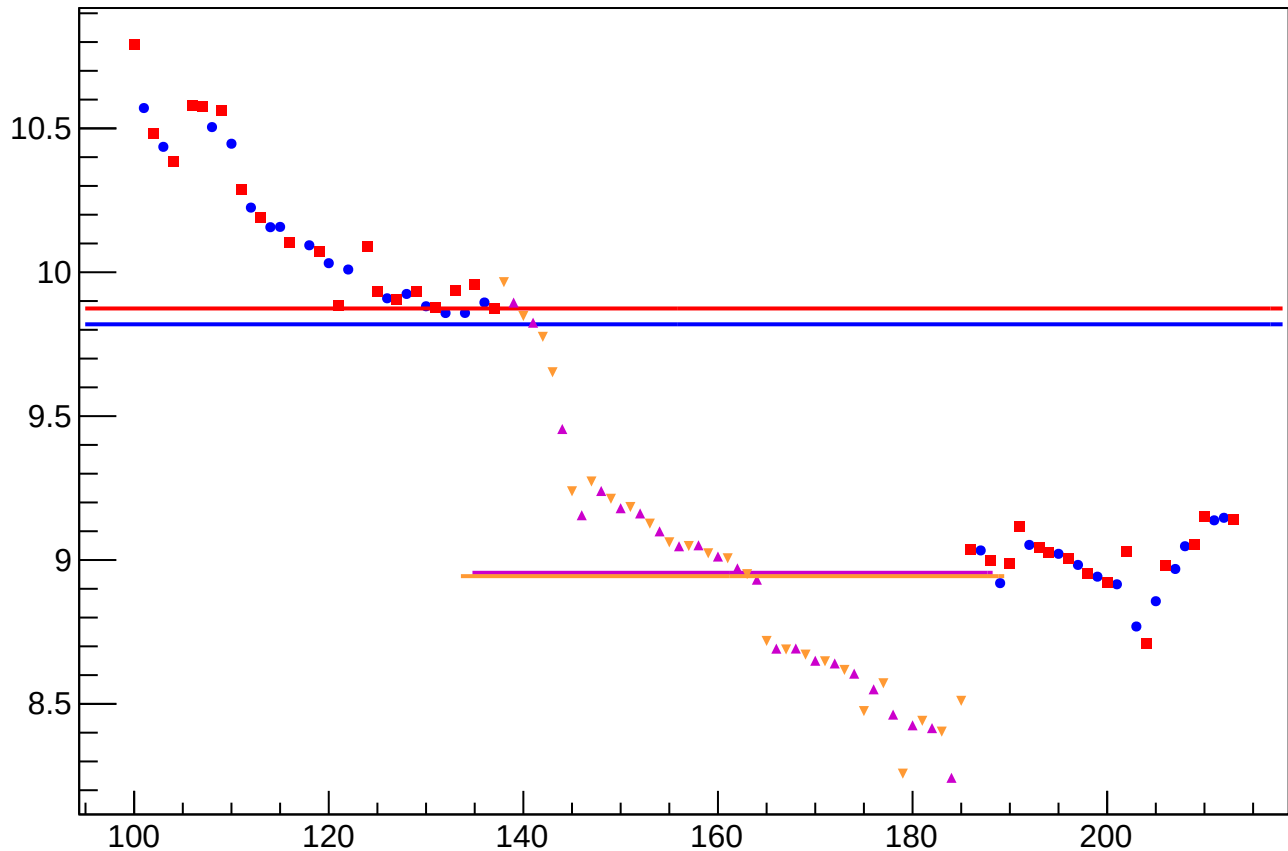
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1402331.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11879626.7/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 25387270.5/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13467844.2/56

yield_sam8_mean vs Slug



Right In: 9.819 $\pm$ 0.000 χ^2/NDF : 70853696285.6/28

Left Out: 8.944 $\pm$ 0.000 χ^2/NDF : 65887712966.5/24

Right Out: 9.874 $\pm$ 0.000 χ^2/NDF : 76909697845.2/33

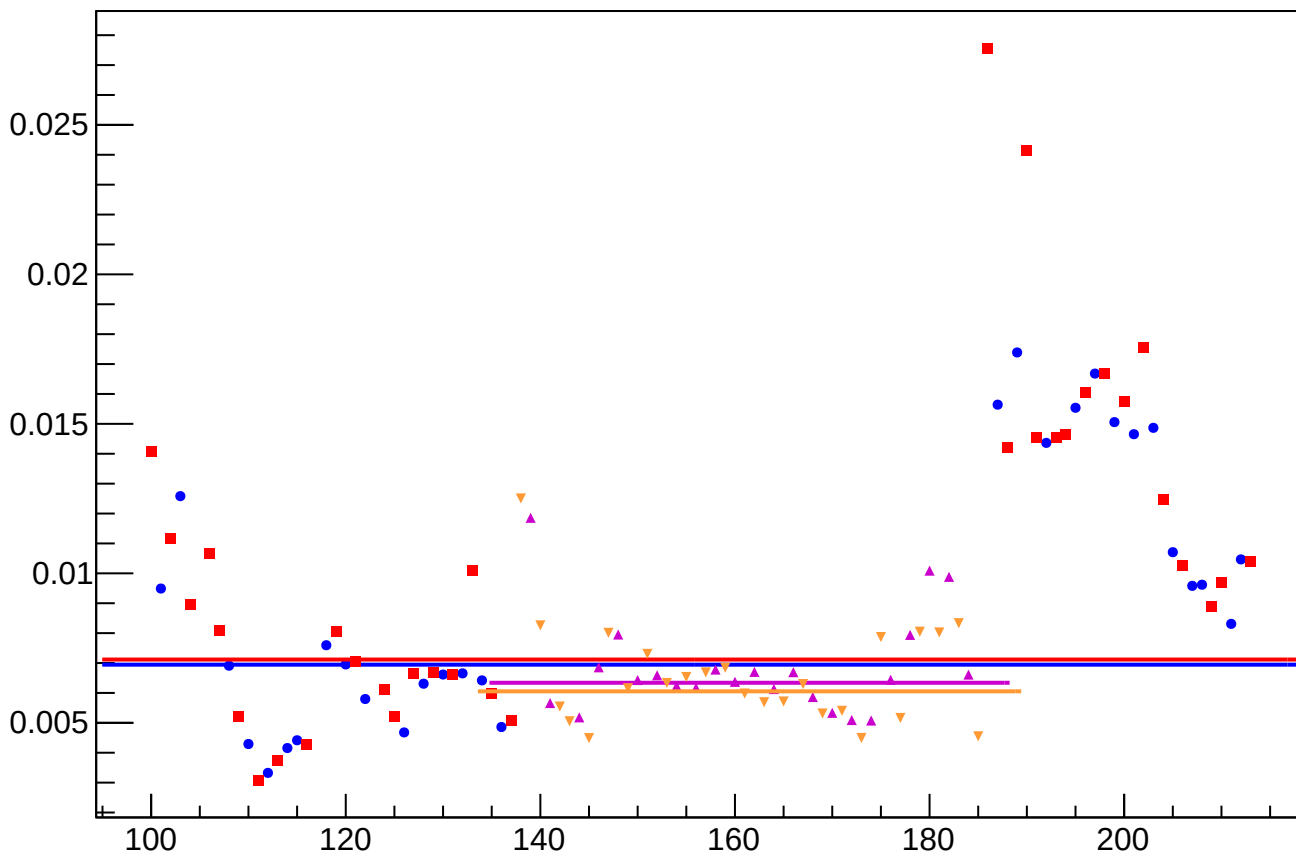
Left In: 8.956 $\pm$ 0.000 χ^2/NDF : 51572164470.4/22

+ sign 9.282 $\pm$ 0.000 χ^2/NDF : 259836949734.9/53

All: 9.311 $\pm$ 0.000 χ^2/NDF : 518687407303.5

- sign 9.344 $\pm$ 0.000 χ^2/NDF : 257594408949.8/56

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6485101.3/28

Left Out: 0.006+/-0.000 χ^2/NDF :1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 8341390.6/33

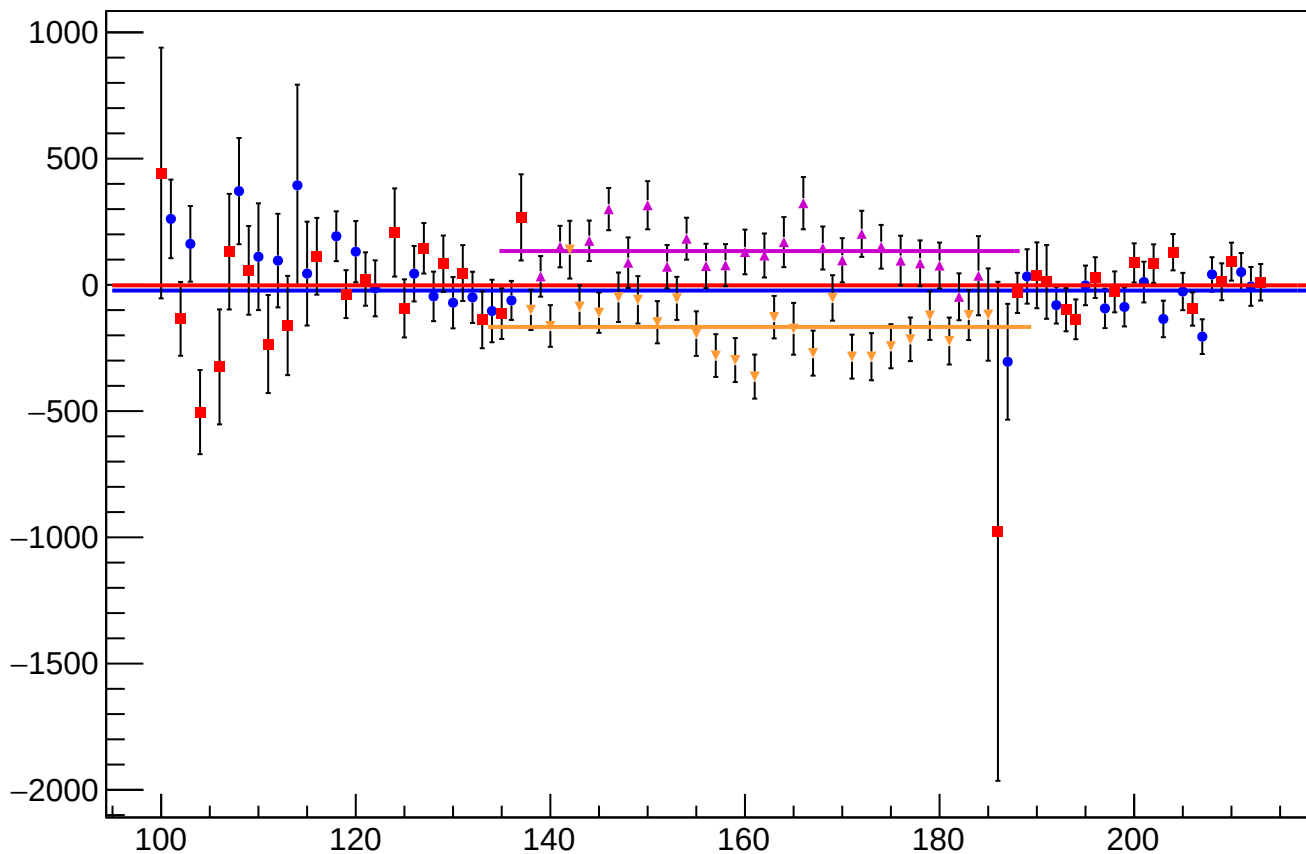
Left In: 0.006+/-0.000 χ^2/NDF :1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF : 8201547.8/53

All: 0.007+/-0.000 χ^2/NDF : 17950774.5/110

- sign 0.007+/-0.000 χ^2/NDF : 9701596.9/56

reg_asym_sam1_mean vs Slug



Right In: -22.547 ± 17.836 χ^2/NDF : 33.7/28

Left Out: -166.676 ± 18.079 χ^2/NDF : 31.6/24

Right Out: -1.969 ± 17.619 χ^2/NDF : 41.4/33

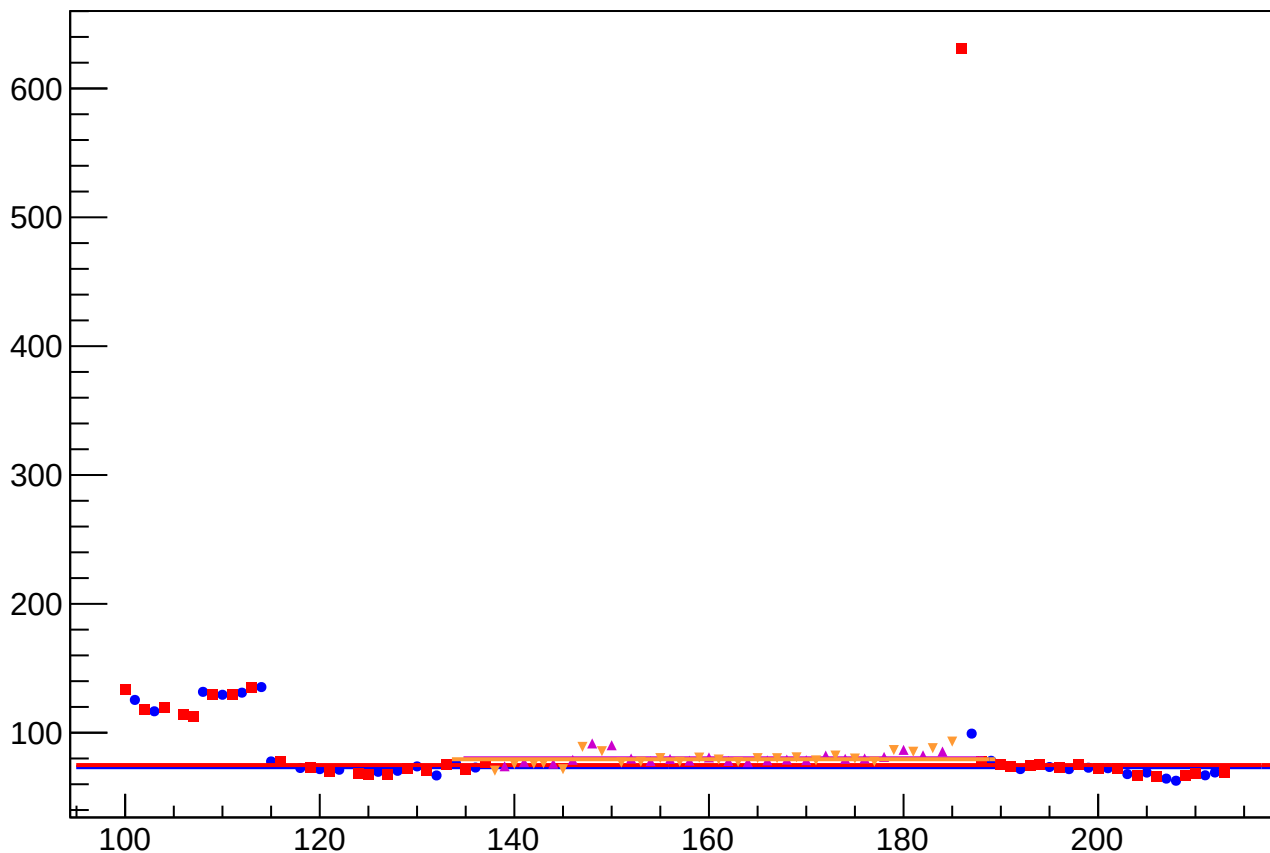
Left In: 133.843 ± 18.756 χ^2/NDF : 20.7/22

+ sign -93.638 ± 12.697 χ^2/NDF : 97.5/53

All: -16.850 ± 9.029 χ^2/NDF : 261.5/110

- sign 61.697 ± 12.842 χ^2/NDF : 90.0/56

reg_asym_sam1_rms vs Slug



Right In: 73.236+/-0.013 χ^2/NDF : 1096924.3/28

Left Out: 79.410+/-0.013 χ^2/NDF : 134796.0/24

Right Out: 74.892+/-0.012 χ^2/NDF : 1790046.3/33

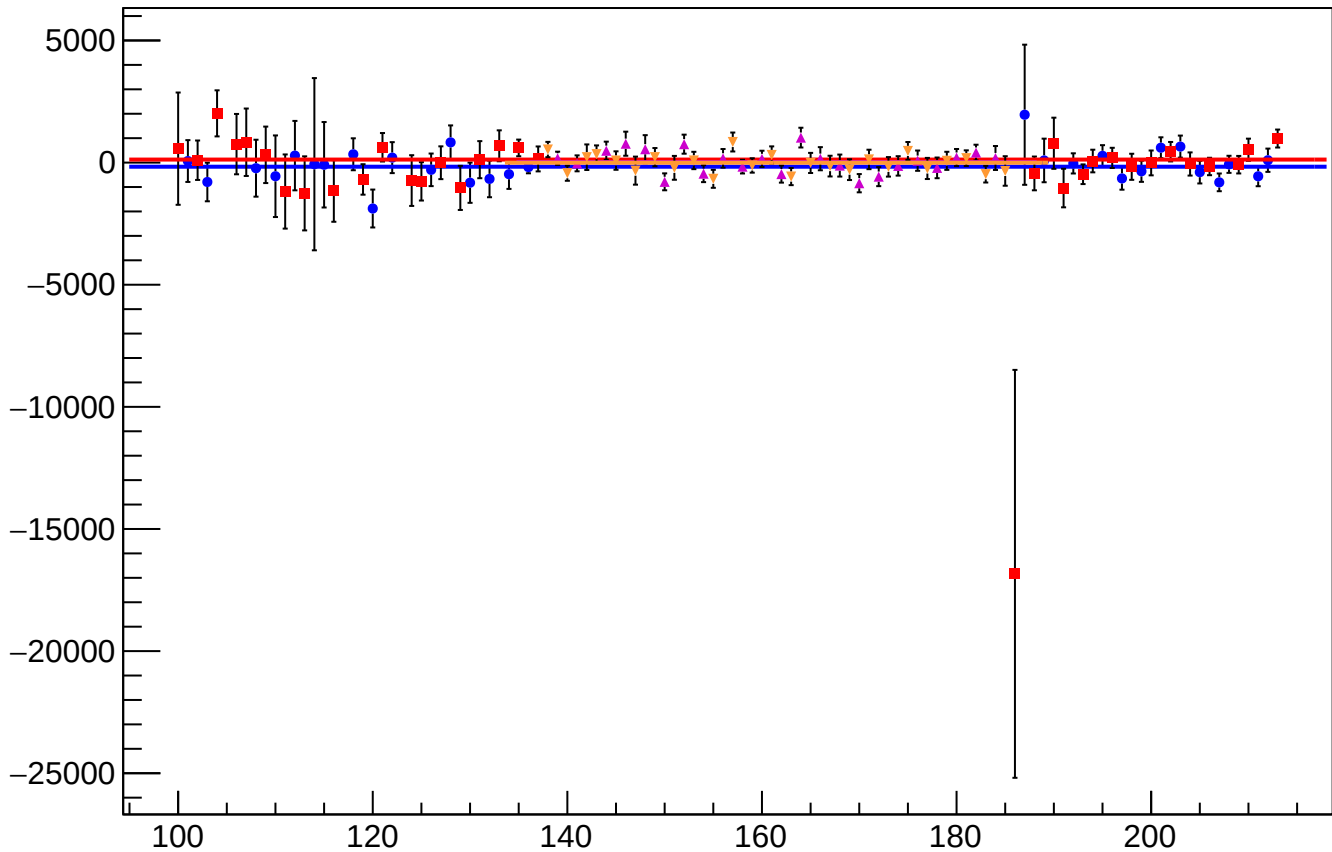
Left In: 80.160+/-0.013 χ^2/NDF : 91469.5/22

+ sign 76.281+/-0.009 χ^2/NDF : 1349939.9/53

All: 76.815+/-0.006 χ^2/NDF : 3322430.7/110

- sign 77.362+/-0.009 χ^2/NDF : 1965334.6/56

asym_sam1_reg_correction_mean vs Slug



Right In: -168.473 ± 99.477 χ^2/NDF : 24.5/28

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 124.079 ± 99.134 χ^2/NDF : 34.2/33

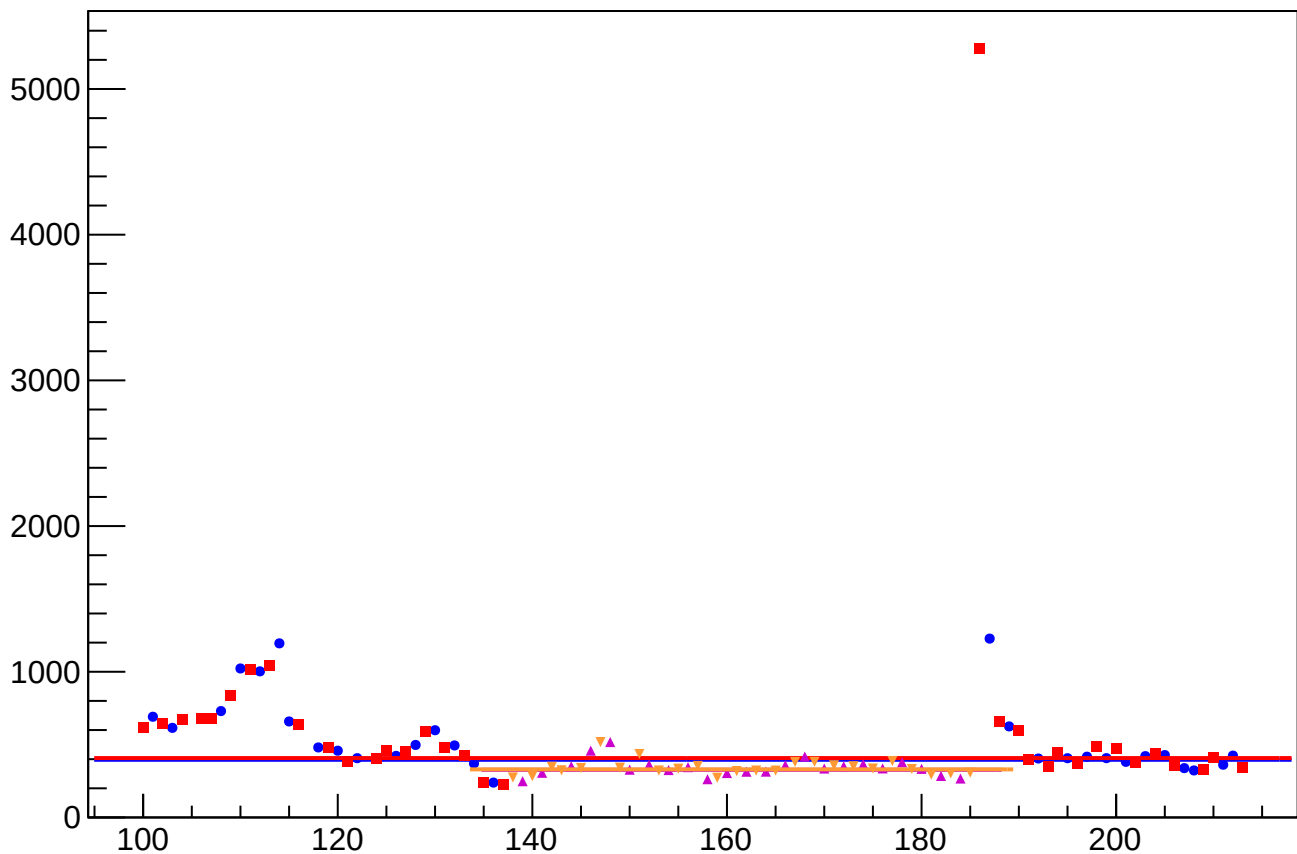
Left In: 19.298 ± 77.541 χ^2/NDF : 35.0/22

+ sign -64.147 ± 60.323 χ^2/NDF : 50.2/53

All: -3.303 ± 42.919 χ^2/NDF : 122.2/110

- sign 59.071 ± 61.076 χ^2/NDF : 69.9/56

asym_sam1_reg_correction_rms vs Slug



Right In: 395.823 $\pm$ 0.070 χ^2 /NDF: 2847461.1/28

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF:659241.4/24

Right Out: 407.590 $\pm$ 0.070 χ^2 /NDF: 3777434.9/33

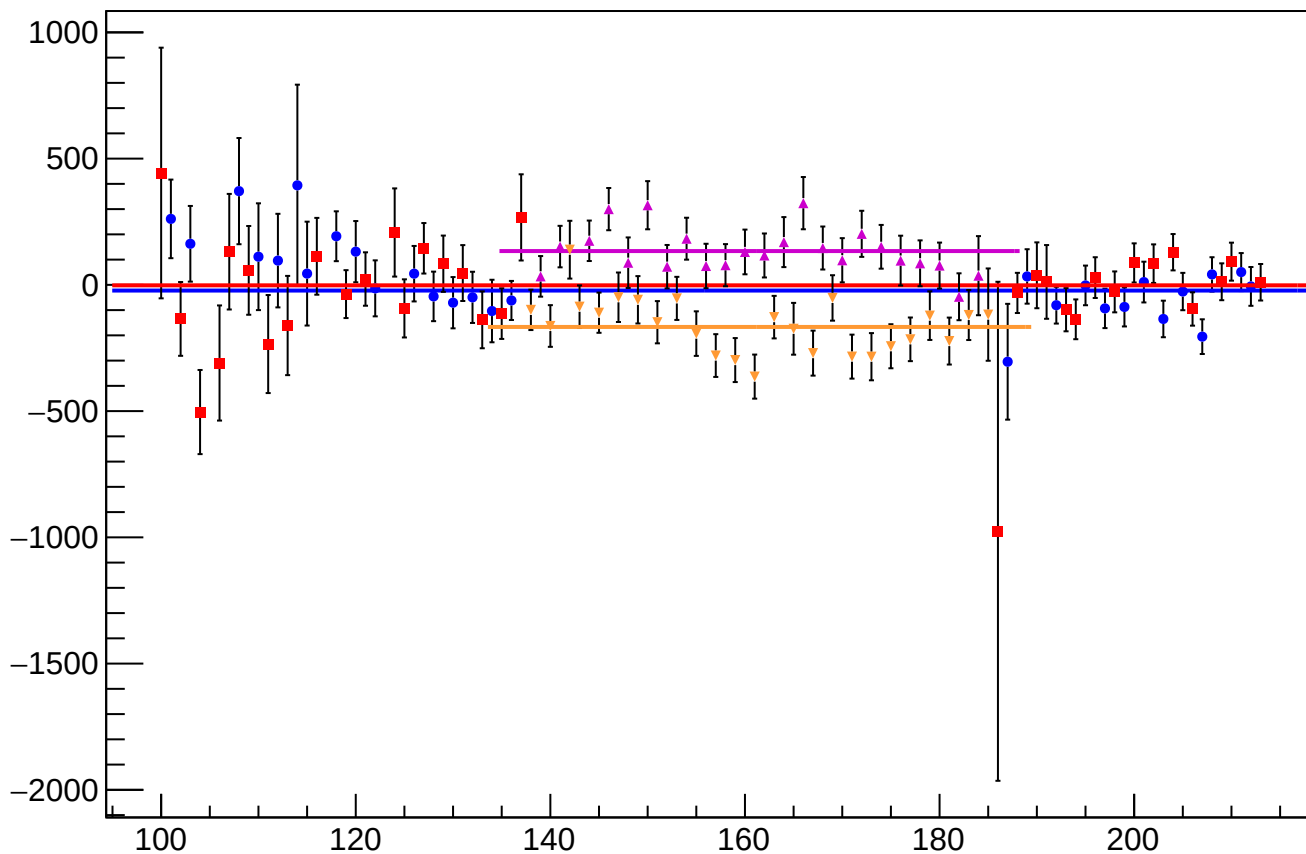
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF:899326.3/22

+ sign 354.184 $\pm$ 0.043 χ^2 /NDF: 4060910.1/53

All: 355.855 $\pm$ 0.030 χ^2 /NDF: 9561563.7/110

- sign 357.567 $\pm$ 0.043 χ^2 /NDF: 5497547.1/56

cor_asym_sam1_mean vs Slug



Right In: -22.548 ± 17.836 χ^2/NDF : 33.7/28

Left Out: -166.675 ± 18.079 χ^2/NDF : 31.6/24

Right Out: -1.872 ± 17.619 χ^2/NDF : 41.2/33

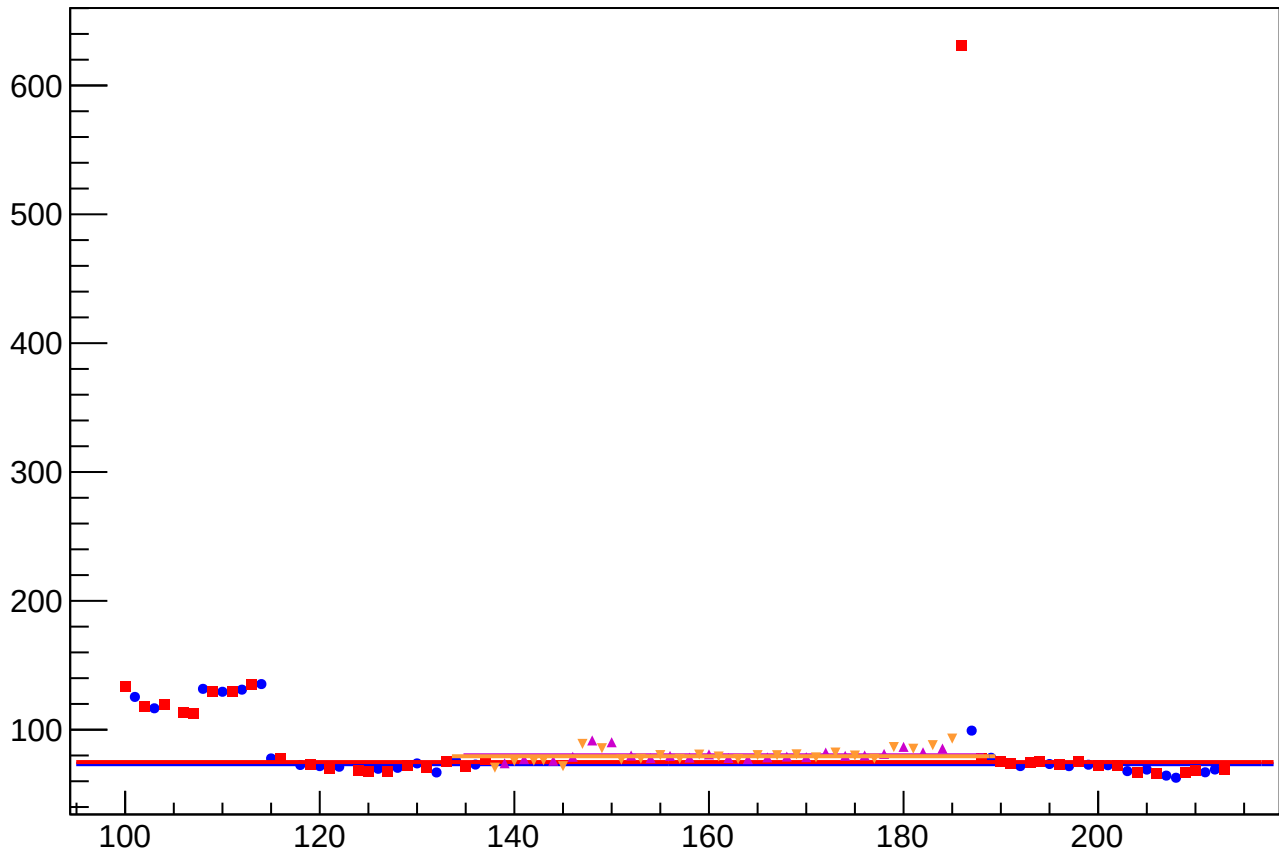
Left In: 133.850 ± 18.756 χ^2/NDF : 20.7/22

+ sign -93.637 ± 12.697 χ^2/NDF : 97.5/53

All: -16.823 ± 9.029 χ^2/NDF : 261.3/110

- sign 61.753 ± 12.842 χ^2/NDF : 89.8/56

cor_asym_sam1_rms vs Slug



Right In: 73.236+/-0.013 χ^2/NDF : 1096924.5/28

Left Out: 79.410+/-0.013 χ^2/NDF : 134796.1/24

Right Out: 74.887+/-0.012 χ^2/NDF : 1787726.5/33

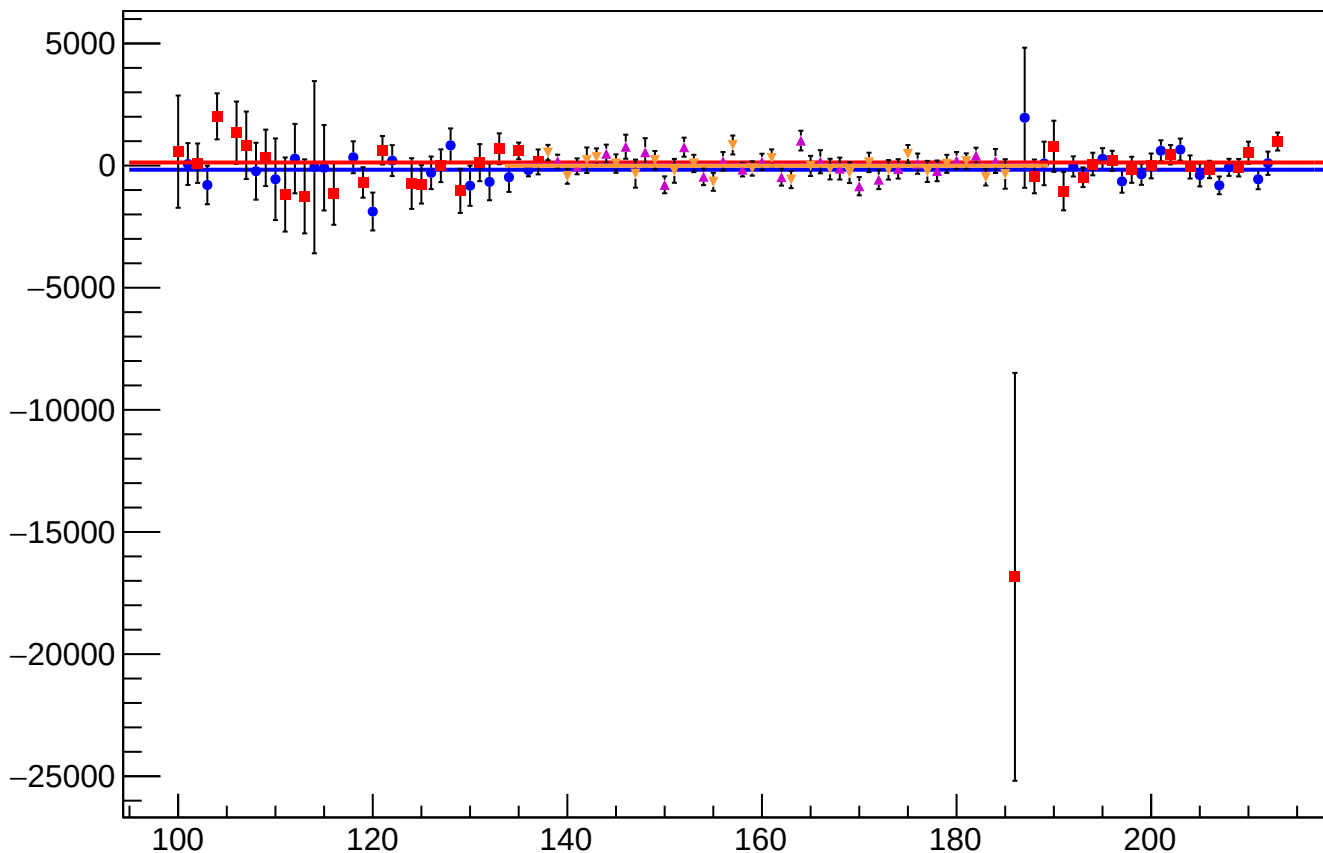
Left In: 80.160+/-0.013 χ^2/NDF : 91469.5/22

+ sign 76.281+/-0.009 χ^2/NDF : 1349940.2/53

All: 76.814+/-0.006 χ^2/NDF : 3320234.1/110

- sign 77.359+/-0.009 χ^2/NDF : 1963172.4/56

asym_sam1_cor_correction_mean vs Slug



Right In: -168.477 ± 99.477 χ^2/NDF : 24.5/28

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 127.421 ± 99.153 χ^2/NDF : 34.8/33

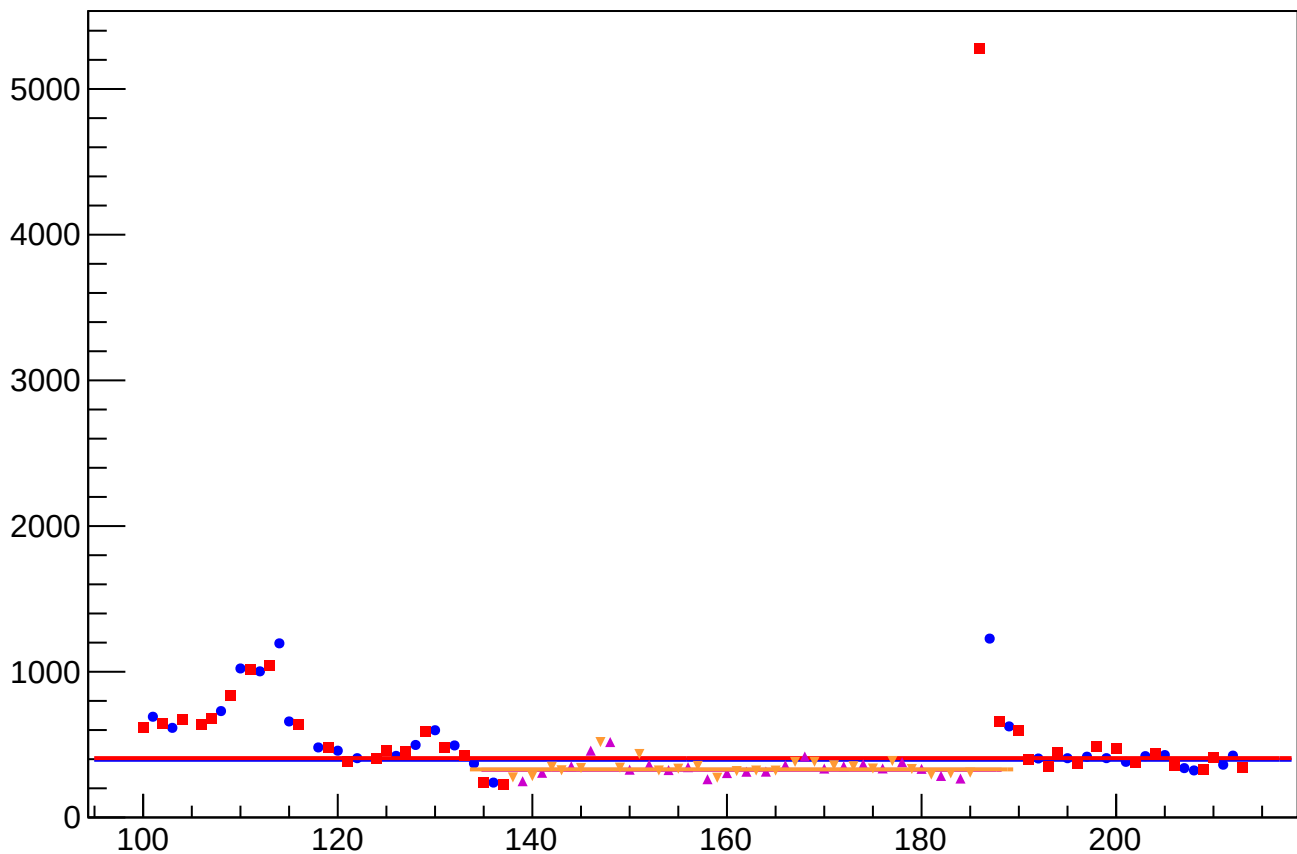
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -64.149 ± 60.323 χ^2/NDF : 50.2/53

All: -2.684 ± 42.920 χ^2/NDF : 122.9/110

- sign 60.334 ± 61.081 χ^2/NDF : 70.6/56

asym_sam1_cor_correction_rms vs Slug



Right In: 395.823 $\pm$ 0.070 χ^2 /NDF: 2847457.5/28

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF:659249.8/24

Right Out: 407.247 $\pm$ 0.070 χ^2 /NDF: 3747180.0/33

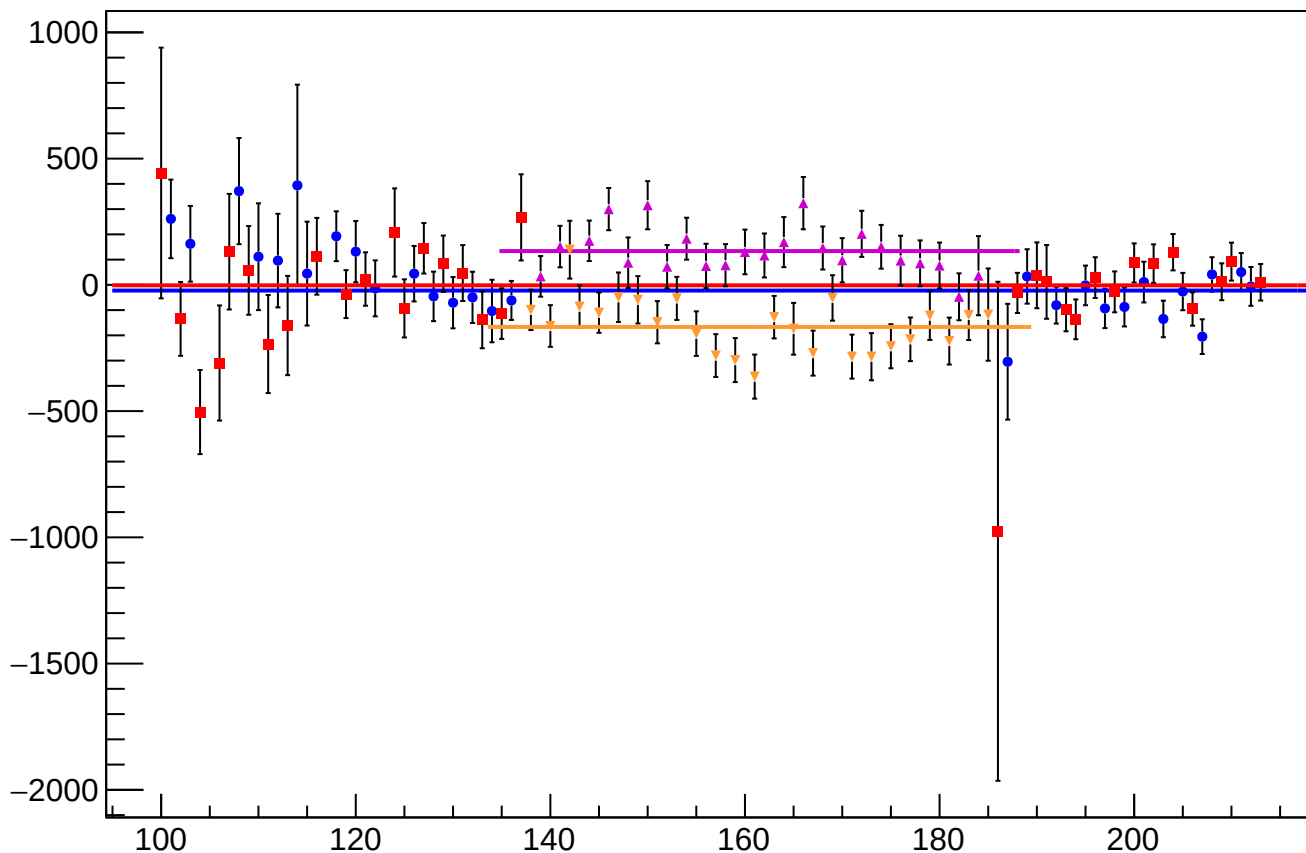
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF:899329.3/22

+ sign 354.184 $\pm$ 0.043 χ^2 /NDF: 4060917.4/53

All: 355.787 $\pm$ 0.030 χ^2 /NDF: 9523911.6/110

- sign 357.430 $\pm$ 0.043 χ^2 /NDF: 5460135.0/56

eigen_cor_asym_sam1_mean vs Slug



Right In: -22.548 $\pm$ 17.836 χ^2/NDF : 33.7/28

Left Out: -166.675 $\pm$ 18.079 χ^2/NDF : 31.6/24

Right Out: -1.872 $\pm$ 17.619 χ^2/NDF : 41.2/33

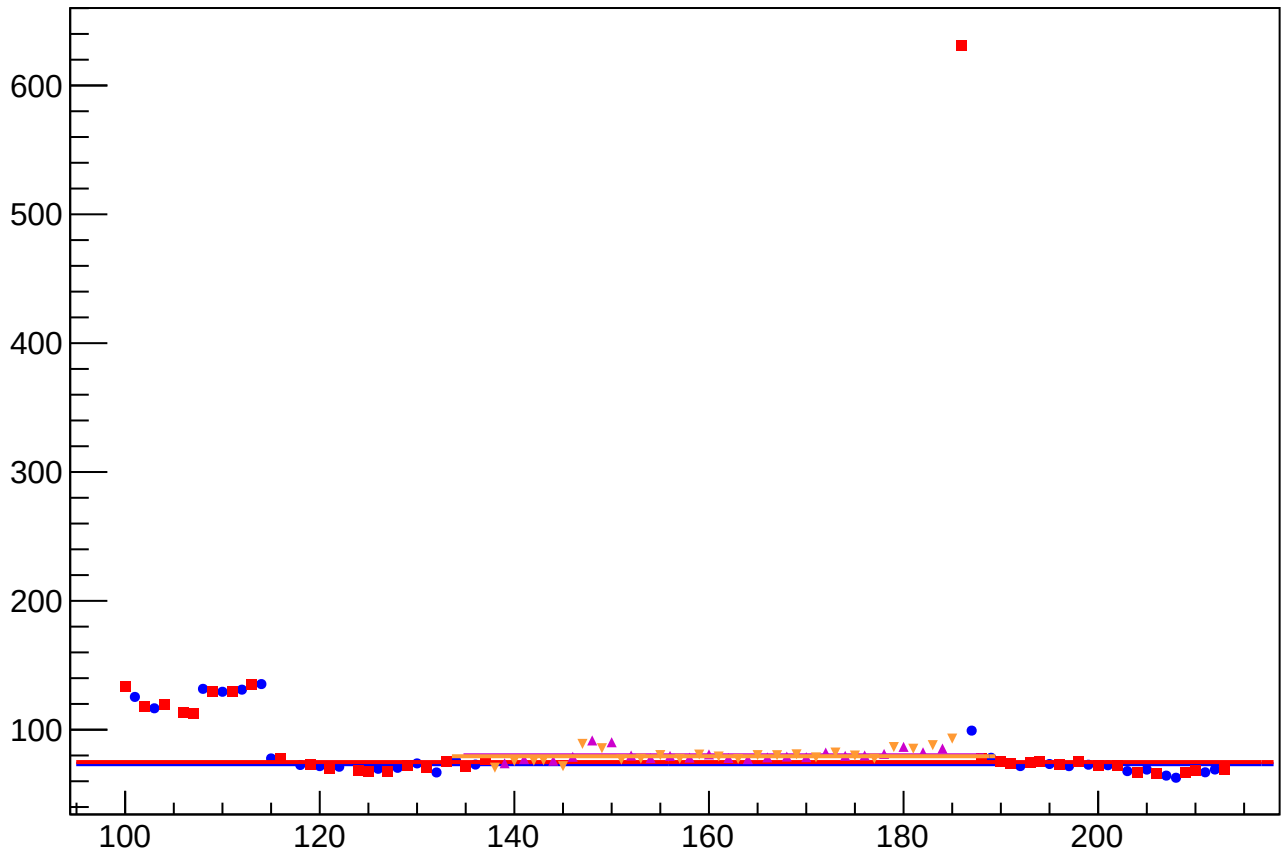
Left In: 133.850 $\pm$ 18.756 χ^2/NDF : 20.7/22

+ sign -93.637 $\pm$ 12.697 χ^2/NDF : 97.5/53

All: -16.823 $\pm$ 9.029 χ^2/NDF : 261.3/110

- sign 61.753 $\pm$ 12.842 χ^2/NDF : 89.8/56

eigen_cor_asym_sam1_rms vs Slug



Right In: 73.236+/-0.013 χ^2/NDF : 1096924.5/28

Left Out: 79.410+/-0.013 χ^2/NDF : 134796.1/24

Right Out: 74.887+/-0.012 χ^2/NDF : 1787726.5/33

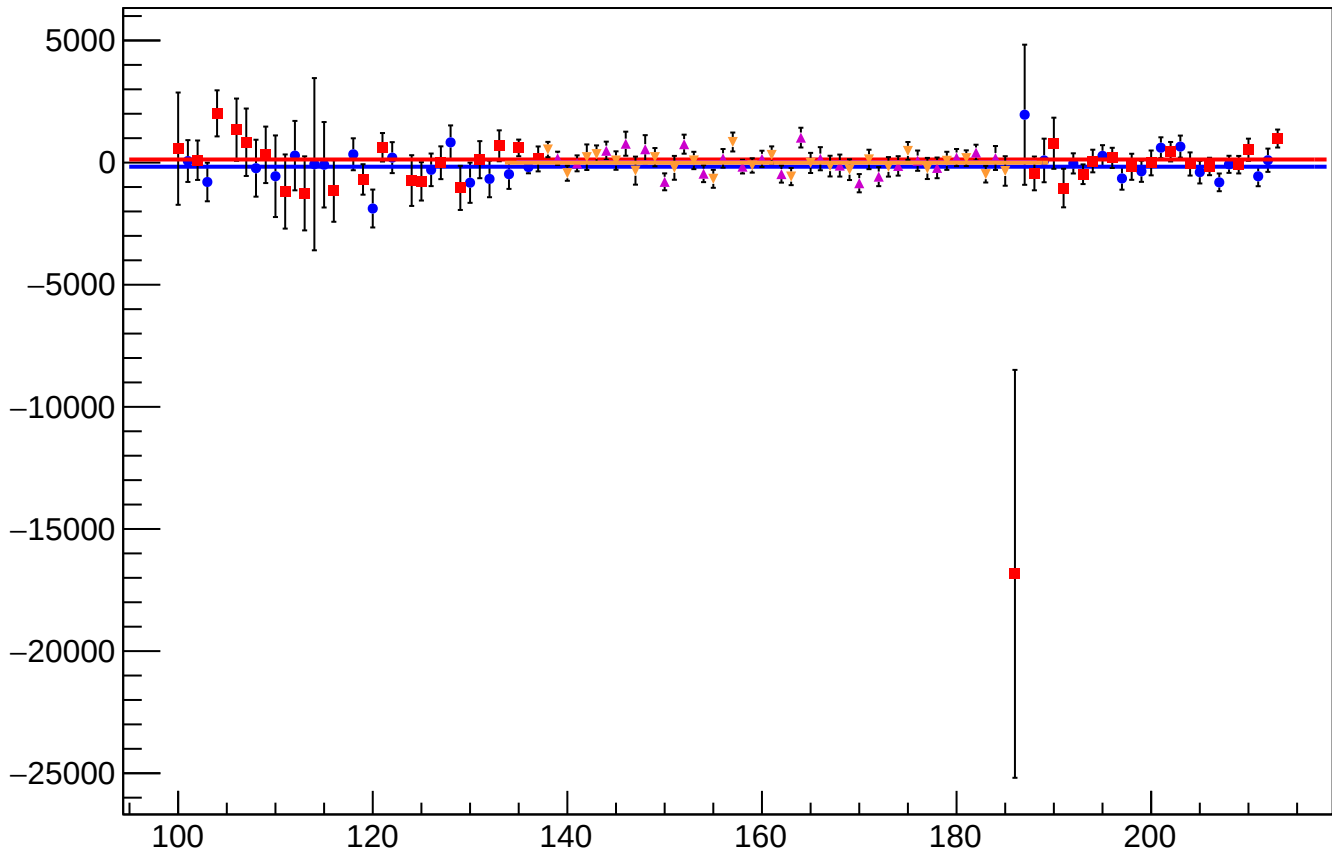
Left In: 80.160+/-0.013 χ^2/NDF : 91469.5/22

+ sign 76.281+/-0.009 χ^2/NDF : 1349940.2/53

All: 76.814+/-0.006 χ^2/NDF : 3320234.1/110

- sign 77.359+/-0.009 χ^2/NDF : 1963172.4/56

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -168.477 $\pm$ 99.477 χ^2/NDF : 24.5/28

Left Out: -3.474 $\pm$ 75.863 χ^2/NDF : 24.0/24

Right Out: 127.421 $\pm$ 99.153 χ^2/NDF : 34.8/33

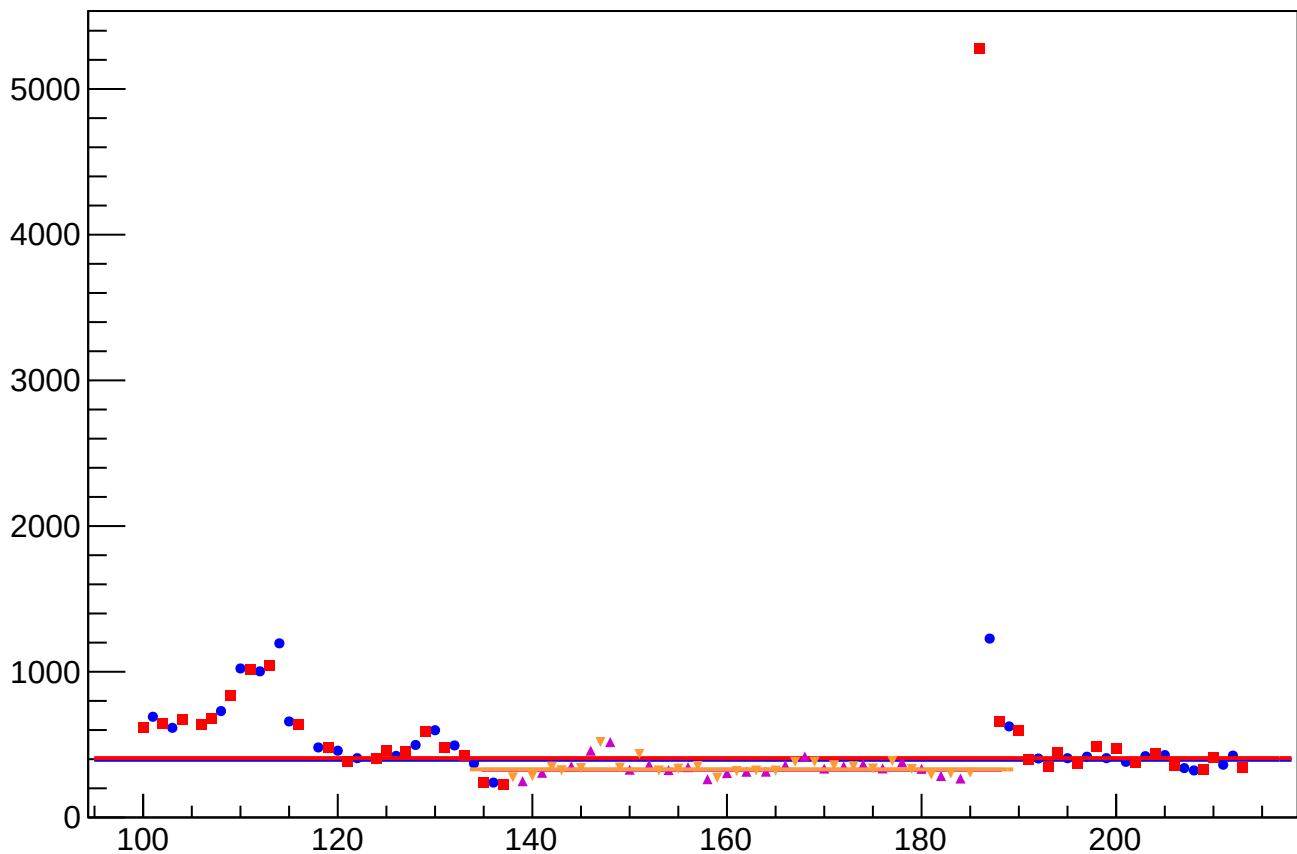
Left In: 19.305 $\pm$ 77.541 χ^2/NDF : 35.0/22

+ sign -64.149 $\pm$ 60.323 χ^2/NDF : 50.2/53

All: -2.684 $\pm$ 42.920 χ^2/NDF : 122.9/110

- sign 60.334 $\pm$ 61.081 χ^2/NDF : 70.6/56

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 395.823+/-0.070 χ^2/NDF : 2847457.5/28

Left Out: 329.968+/-0.054 χ^2/NDF : 659249.8/24

Right Out: 407.247+/-0.070 χ^2/NDF : 3747180.0/33

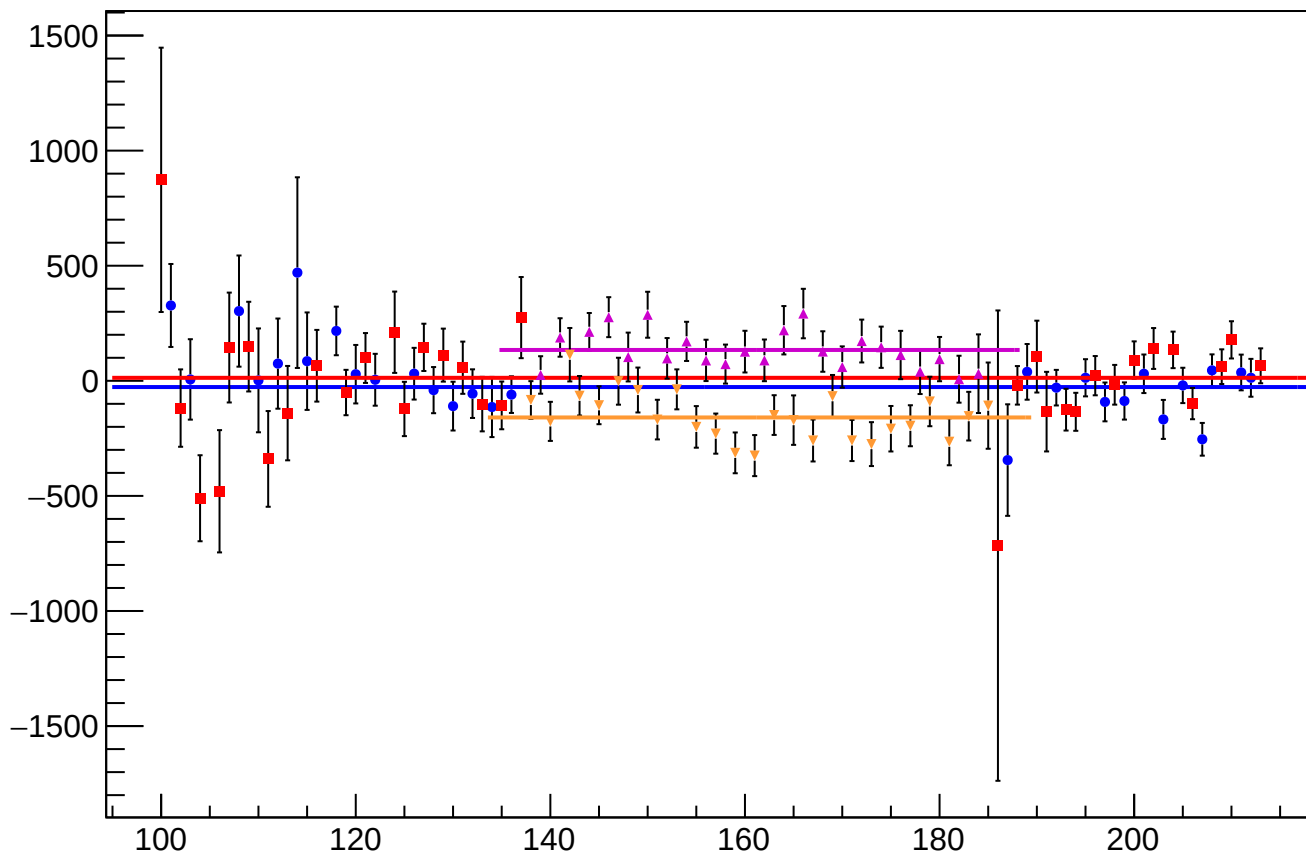
Left In: 326.963+/-0.055 χ^2/NDF : 899329.3/22

+ sign 354.184+/-0.043 χ^2/NDF : 4060917.4/53

All: 355.787+/-0.030 χ^2/NDF : 9523911.6/110

- sign 357.430+/-0.043 χ^2/NDF : 5460135.0/56

dit_asym_sam1_mean vs Slug



Right In: -27.118 ± 18.802 χ^2/NDF : 33.8/28

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: 12.980 ± 18.676 χ^2/NDF : 49.6/33

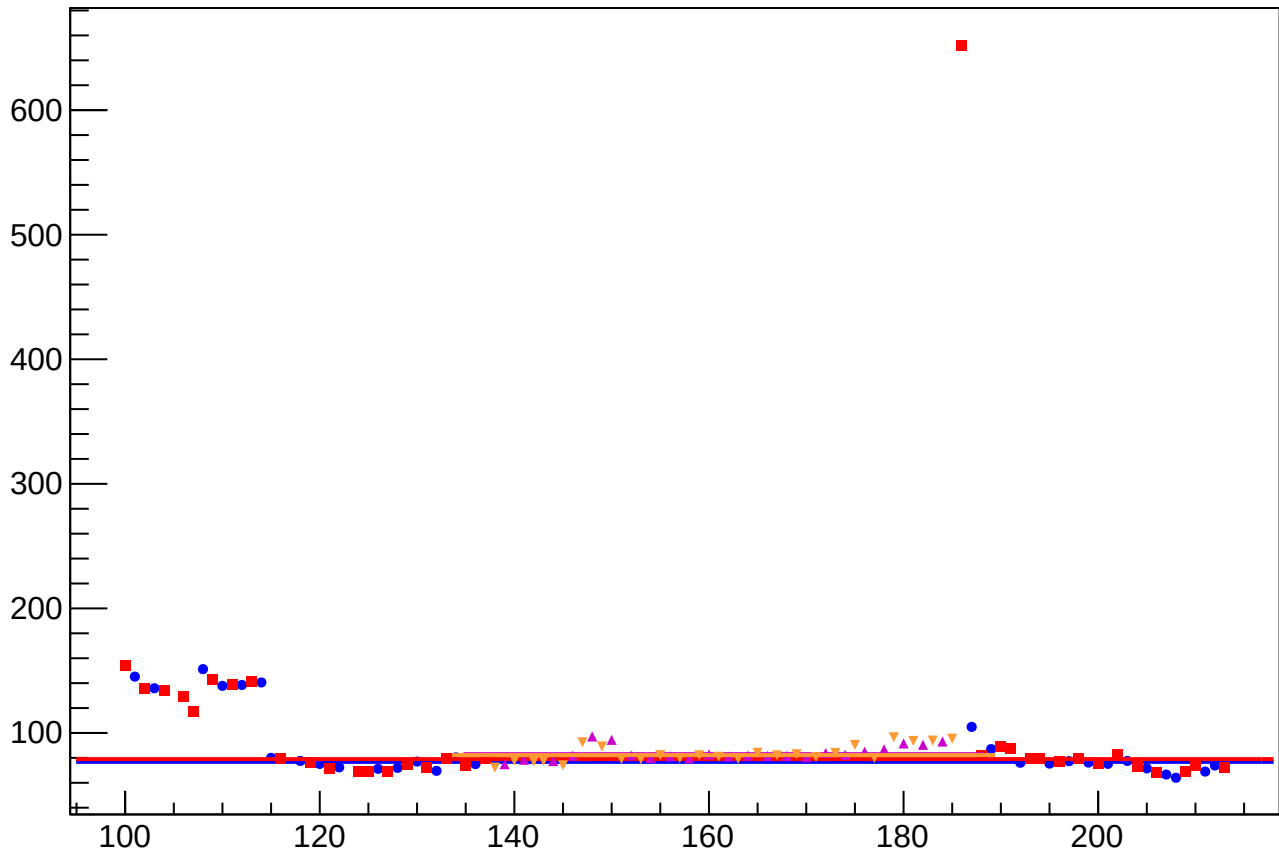
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -93.354 ± 13.276 χ^2/NDF : 86.7/53

All: -12.324 ± 9.455 χ^2/NDF : 248.5/110

- sign 71.069 ± 13.468 χ^2/NDF : 86.2/56

dit_asym_sam1_rms vs Slug



Right In: 76.809+/-0.013 χ^2/NDF : 1308116.8/28

Left Out: 82.247+/-0.013 χ^2/NDF : 216548.3/24

Right Out: 79.015+/-0.013 χ^2/NDF : 1964456.5/33

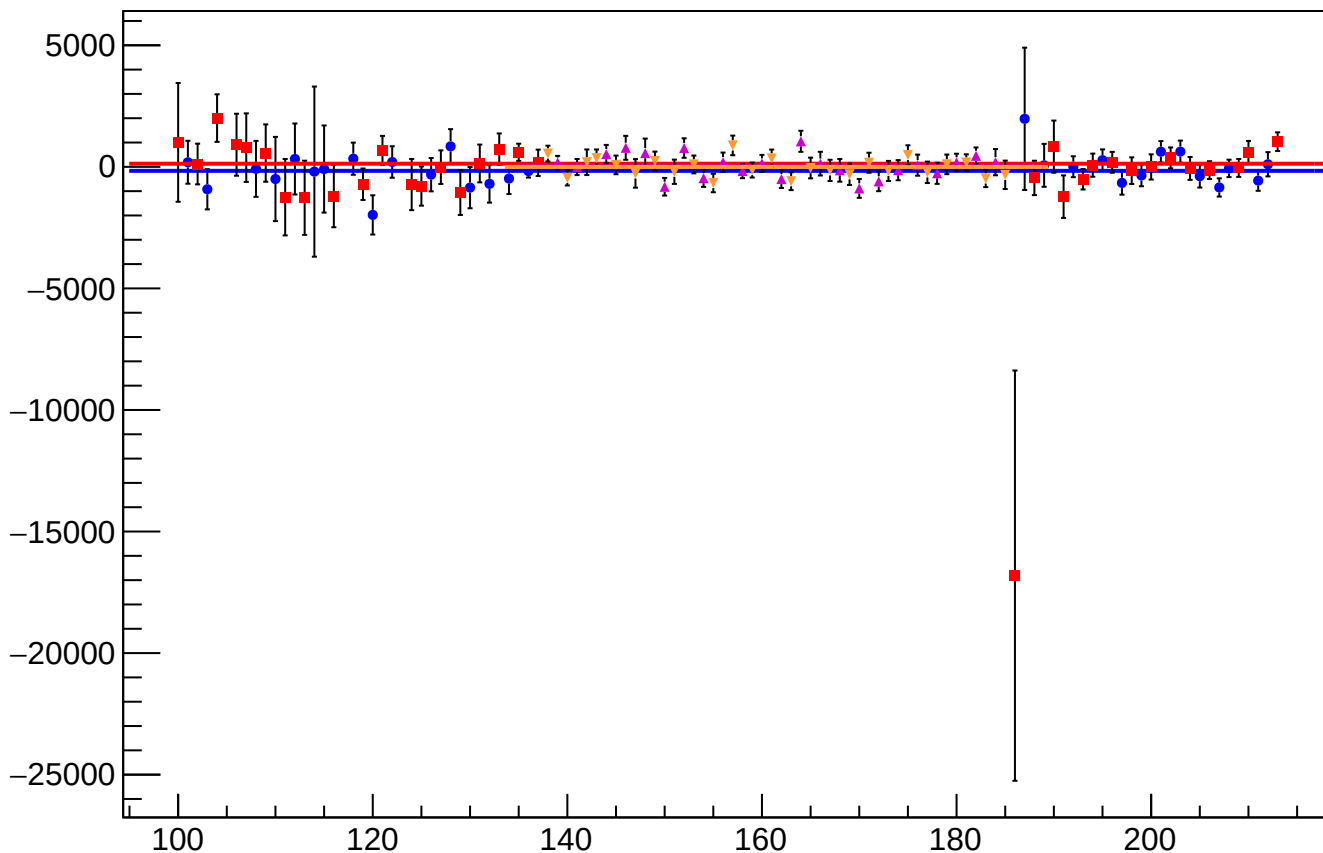
Left In: 82.993+/-0.014 χ^2/NDF : 145608.6/22

+ sign 79.535+/-0.009 χ^2/NDF : 1608571.2/53

All: 80.220+/-0.007 χ^2/NDF : 3772963.6/110

- sign 80.925+/-0.010 χ^2/NDF : 2153603.1/56

asym_sam1_dit_correction_mean vs Slug



Right In: -164.465 ± 102.590 χ^2/NDF : 24.6/28

Left Out: -3.095 ± 78.582 χ^2/NDF : 23.5/24

Right Out: 128.323 ± 102.630 χ^2/NDF : 34.0/33

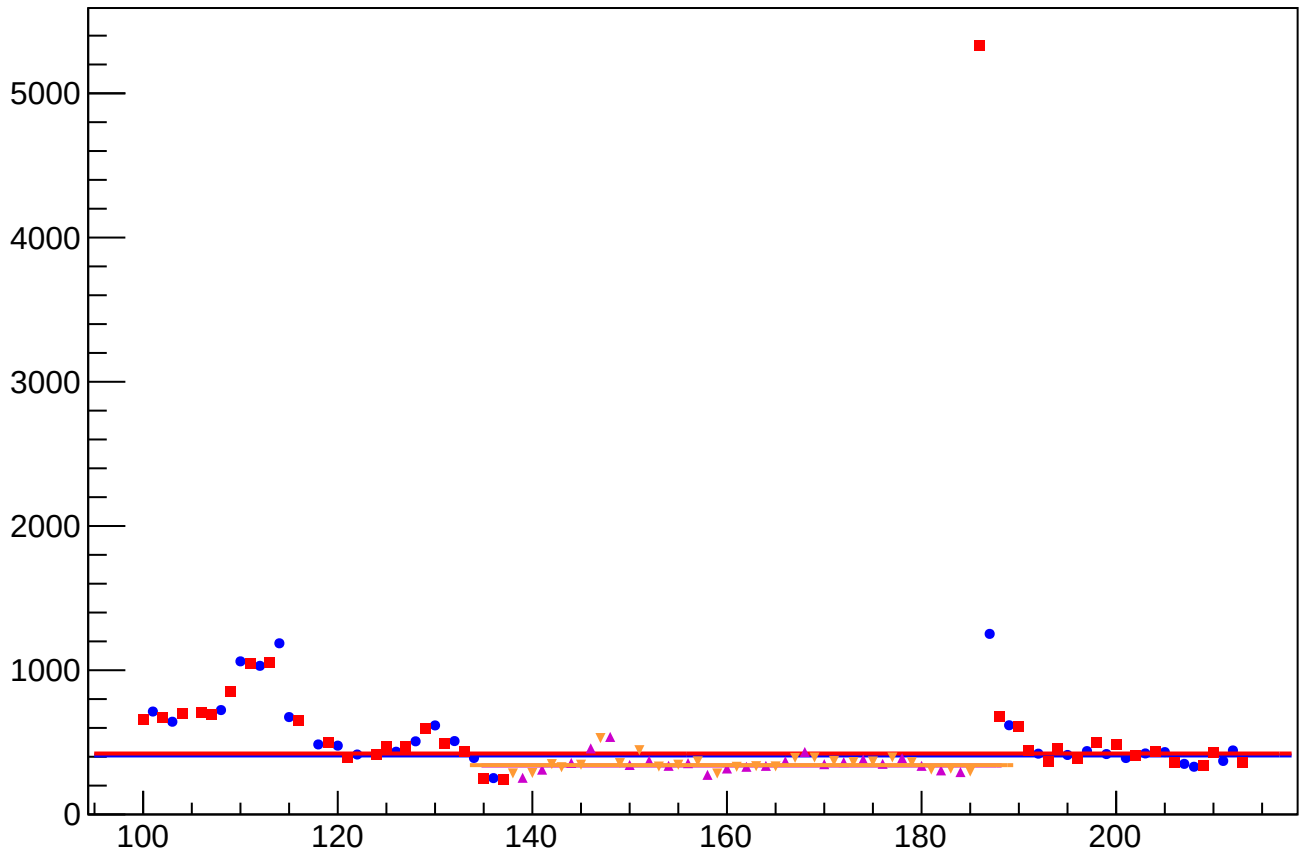
Left In: 16.519 ± 80.410 χ^2/NDF : 34.9/22

+ sign -62.765 ± 62.384 χ^2/NDF : 49.7/53

All: -2.744 ± 44.431 χ^2/NDF : 121.2/110

- sign 59.045 ± 63.296 χ^2/NDF : 69.7/56

asym_sam1_dit_correction_rms vs Slug



Right In: 409.046+/-0.073 χ^2/NDF : 2732378.5/28

Left Out: 341.918+/-0.056 χ^2/NDF : 653930.4/24

Right Out: 422.578+/-0.073 χ^2/NDF : 3675906.2/33

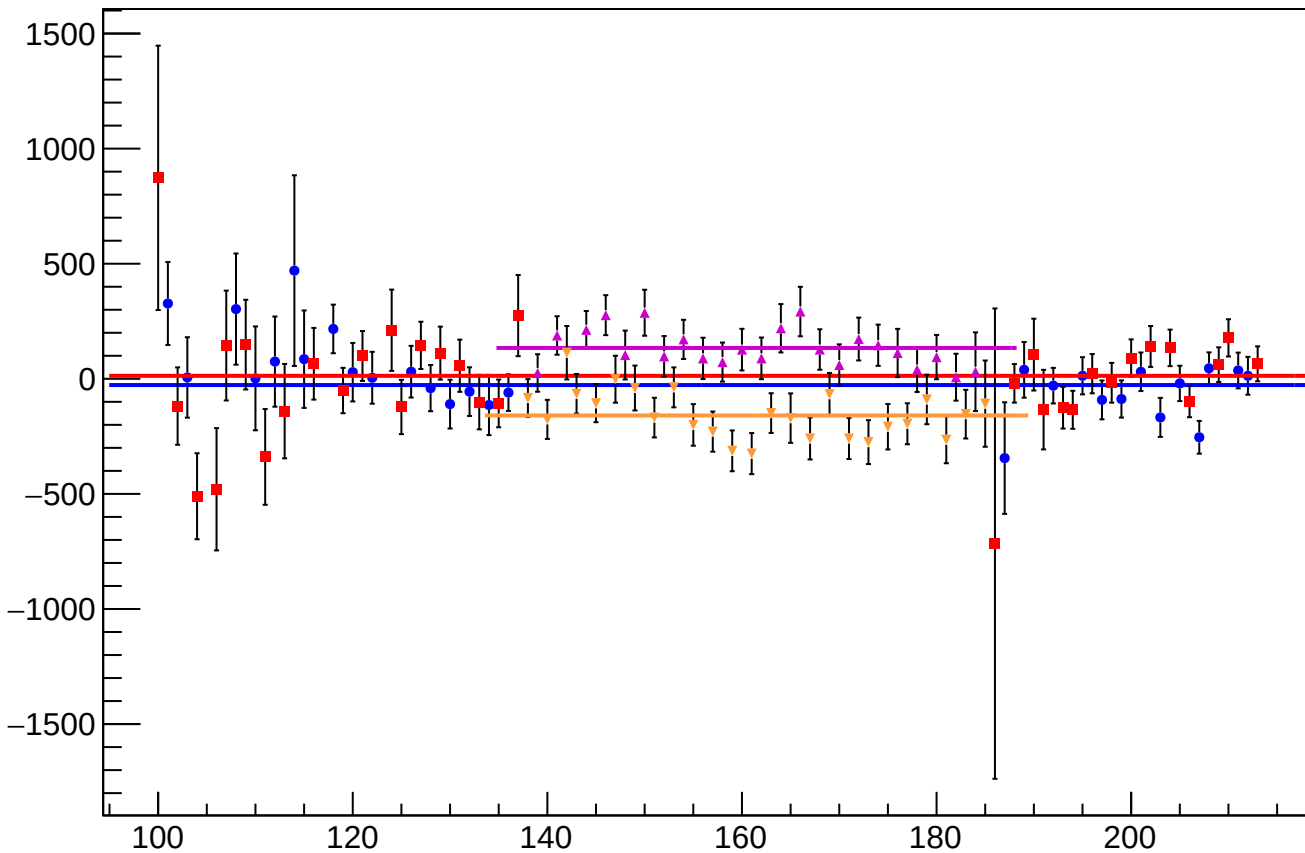
Left In: 339.430+/-0.057 χ^2/NDF : 846706.0/22

+ sign 366.740+/-0.044 χ^2/NDF : 3925985.5/53

All: 368.867+/-0.031 χ^2/NDF : 9266742.0/110

- sign 371.056+/-0.045 χ^2/NDF : 5336038.5/56

eigen_dit_asym_sam1_mean vs Slug



Right In: -27.117+/-18.802 χ^2/NDF : 33.8/28

Left Out: -159.223 ± 18.749 $\chi^2/\text{NDF}: 28.2/24$

Right Out: 12.980 ± 18.676 χ^2/NDF : 49.6/33

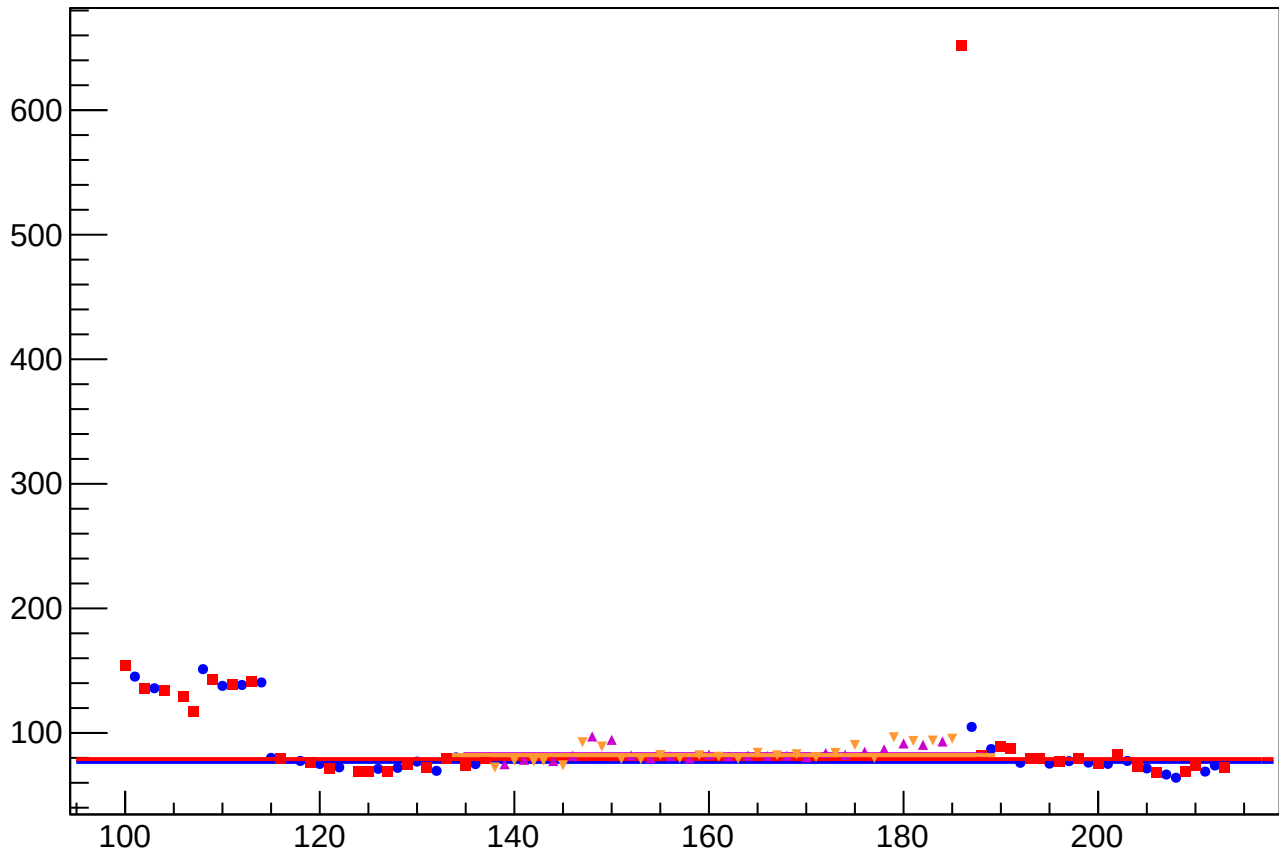
Left In: 134.010+/-19.441 χ^2/NDF :16.4/22

+ sign -93.354+/-13.276 χ^2/NDF : 86.7/53

All: -12.324 ± 9.455 $\chi^2/\text{NDF}: 248.5/110$

- sign 71.069+/-13.468 χ^2/NDF : 86.2/56

eigen_dit_asym_sam1_rms vs Slug



Right In: 76.808 $\pm$ 0.013 χ^2 /NDF: 1308118.2/28

Left Out: 82.247 $\pm$ 0.013 χ^2 /NDF: 216548.5/24

Right Out: 79.015 $\pm$ 0.013 χ^2 /NDF: 1964456.7/33

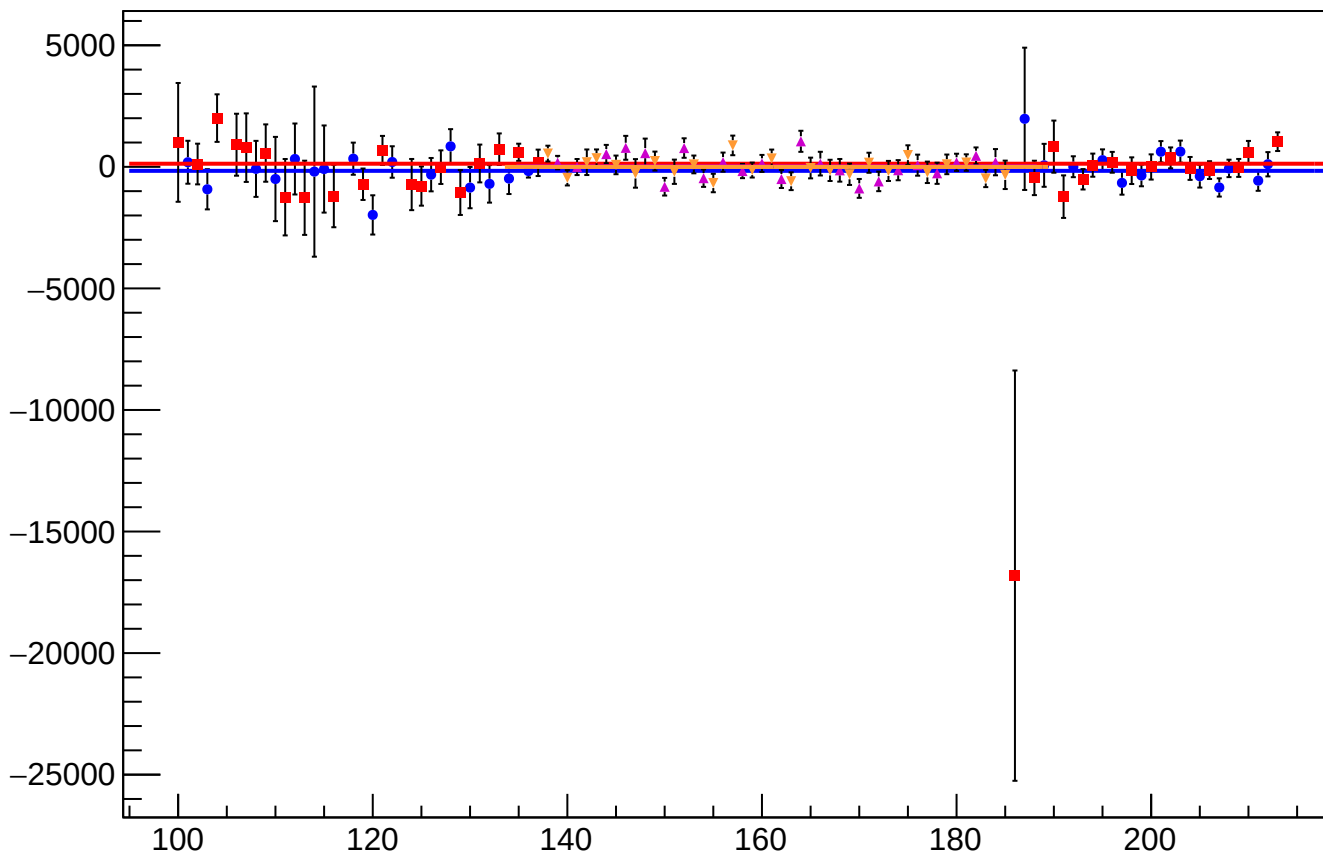
Left In: 82.993 $\pm$ 0.014 χ^2 /NDF: 145607.1/22

+ sign 79.535 $\pm$ 0.009 χ^2 /NDF: 1608576.5/53

All: 80.220 $\pm$ 0.007 χ^2 /NDF: 3772970.2/110

- sign 80.924 $\pm$ 0.010 χ^2 /NDF: 2153604.7/56

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -164.464 ± 102.590 χ^2/NDF : 24.6/28

Left Out: -3.094 ± 78.582 χ^2/NDF : 23.5/24

Right Out: 128.323 ± 102.630 χ^2/NDF : 34.0/33

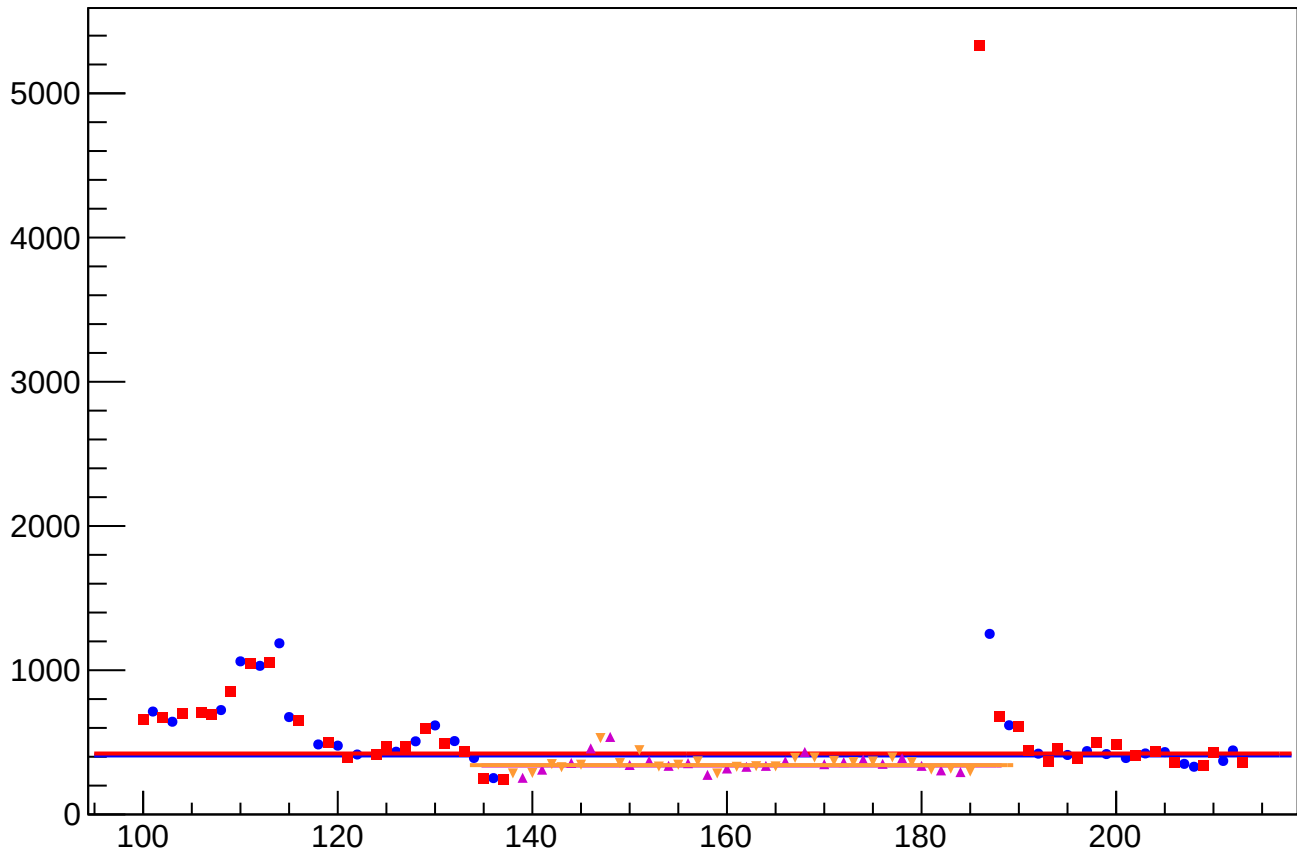
Left In: 16.519 ± 80.410 χ^2/NDF : 34.9/22

+ sign -62.764 ± 62.384 χ^2/NDF : 49.7/53

All: -2.744 ± 44.431 χ^2/NDF : 121.2/110

- sign 59.045 ± 63.296 χ^2/NDF : 69.7/56

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 409.045+/-0.073 χ^2/NDF : 2732383.7/28

Left Out: 341.918+/-0.056 χ^2/NDF : 653932.3/24

Right Out: 422.577+/-0.073 χ^2/NDF : 3675912.7/33

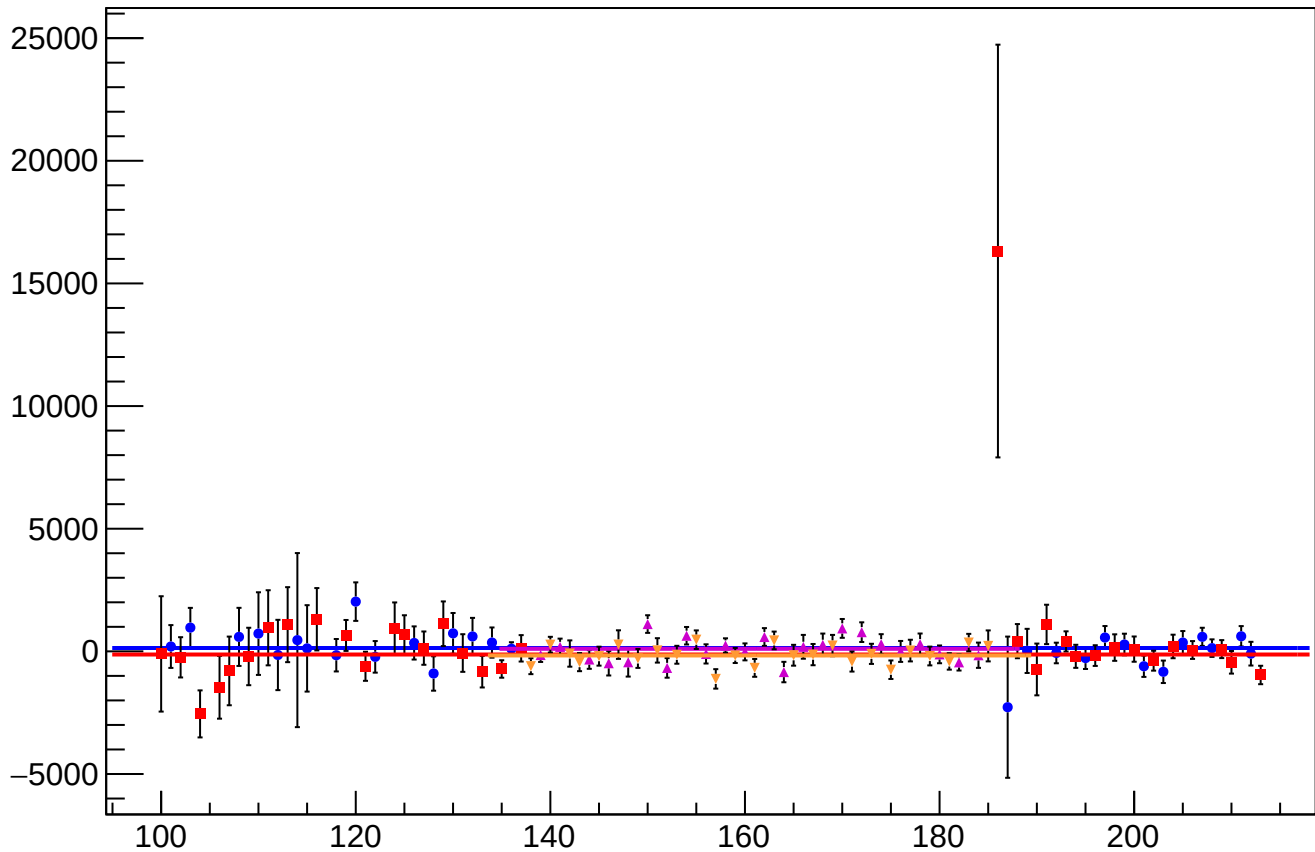
Left In: 339.430+/-0.057 χ^2/NDF : 846709.1/22

+ sign 366.739+/-0.044 χ^2/NDF : 3925981.2/53

All: 368.866+/-0.031 χ^2/NDF : 9266732.7/110

- sign 371.056+/-0.045 χ^2/NDF : 5336033.6/56

asym_sam1_mean vs Slug



Right In: 136.803 $\pm$ 101.515 χ^2 /NDF: 24.5/28

Left Out: -167.380 $\pm$ 78.179 χ^2 /NDF:25.6/24

Right Out: -128.693 $\pm$ 101.125 χ^2 /NDF: 36.7/33

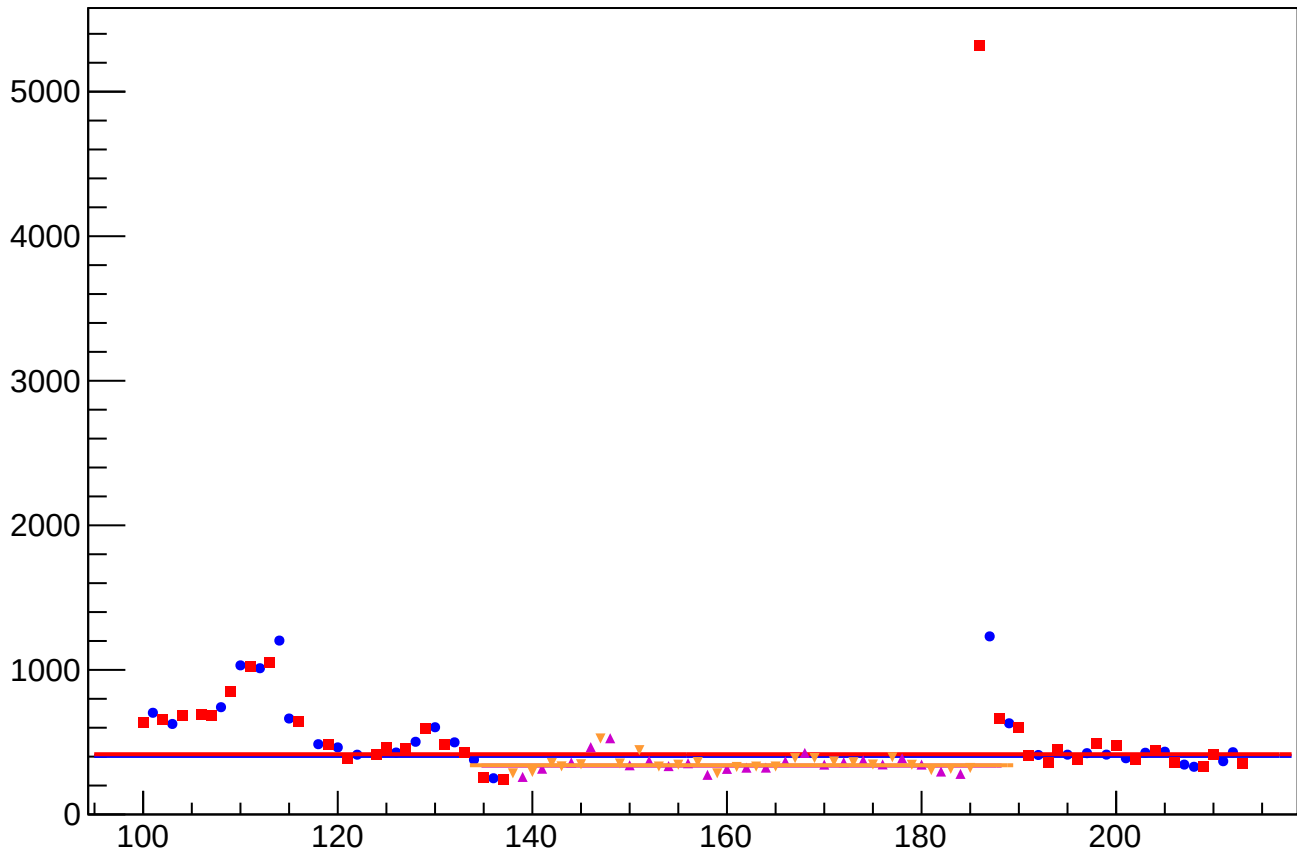
Left In: 104.016 $\pm$ 79.995 χ^2 /NDF:37.5/22

+ sign -54.136 $\pm$ 61.940 χ^2 /NDF: 55.7/53

All: -20.285 $\pm$ 44.078 χ^2 /NDF: 133.8/110

- sign 14.445 $\pm$ 62.739 χ^2 /NDF: 77.5/56

asym_sam1_rms vs Slug



Right In: 404.916 $\pm$ 0.072 χ^2 /NDF: 2706028.6/28

Left Out: 340.391 $\pm$ 0.055 χ^2 /NDF: 604155.3/24

Right Out: 416.683 $\pm$ 0.072 χ^2 /NDF: 3628128.1/33

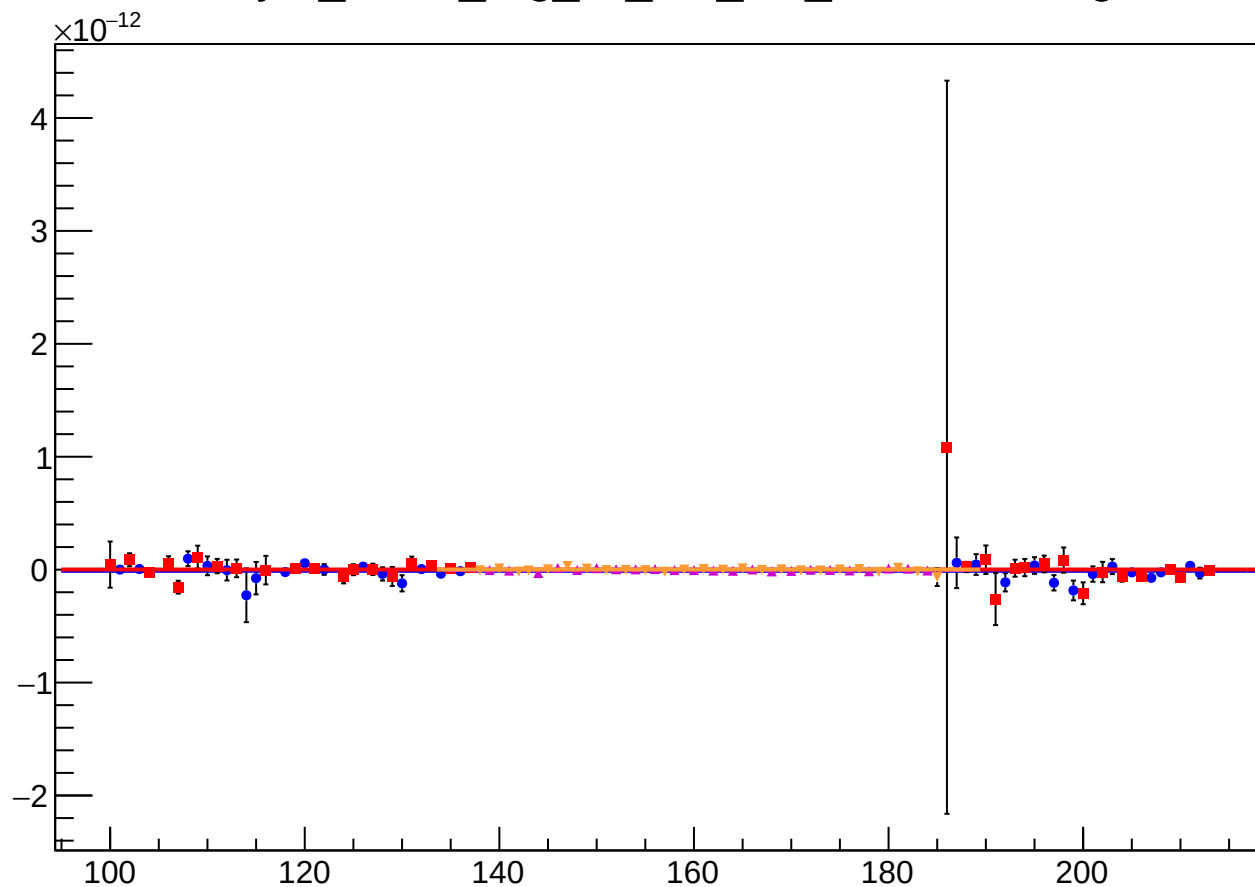
Left In: 337.759 $\pm$ 0.057 χ^2 /NDF: 820674.4/22

+ sign 364.413 $\pm$ 0.044 χ^2 /NDF: 3817390.0/53

All: 366.251 $\pm$ 0.031 χ^2 /NDF: 9019094.4/110

- sign 368.137 $\pm$ 0.044 χ^2 /NDF: 5198136.0/56

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 32.2/28

Left Out: 0.000+/-0.000 χ^2 /NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 34.1/33

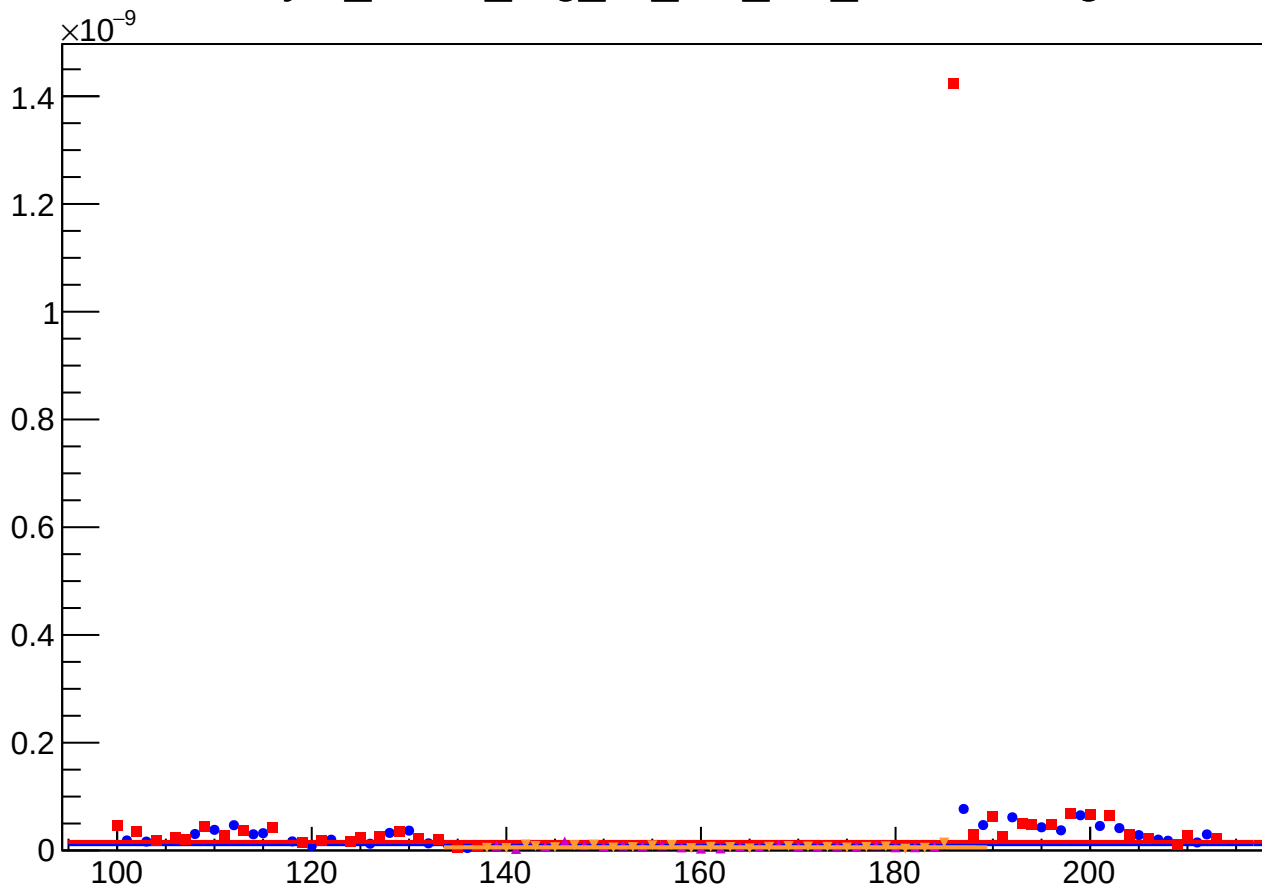
Left In: -0.000+/-0.000 χ^2 /NDF:11.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 52.1/53

All: -0.000+/-0.000 χ^2 /NDF: 99.1/110

- sign -0.000+/-0.000 χ^2 /NDF: 46.4/56

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7680179.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7378000.6/33

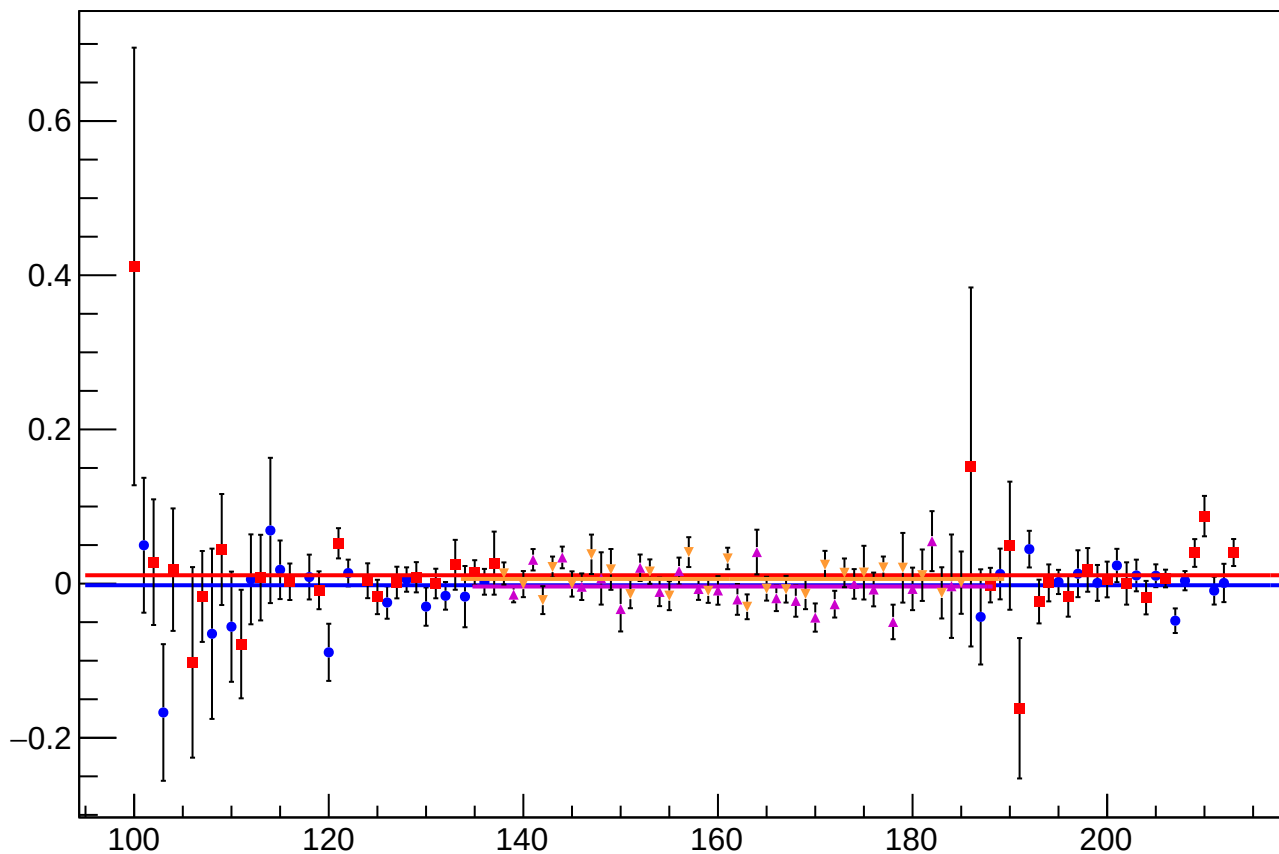
Left In: 0.000+/-0.000 χ^2/NDF : 1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 10716414.6/53

All: 0.000+/-0.000 χ^2/NDF : 23706311.4/110

- sign 0.000+/-0.000 χ^2/NDF : 12870525.0/56

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.5/28

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.011 ± 0.004 χ^2/NDF : 36.1/33

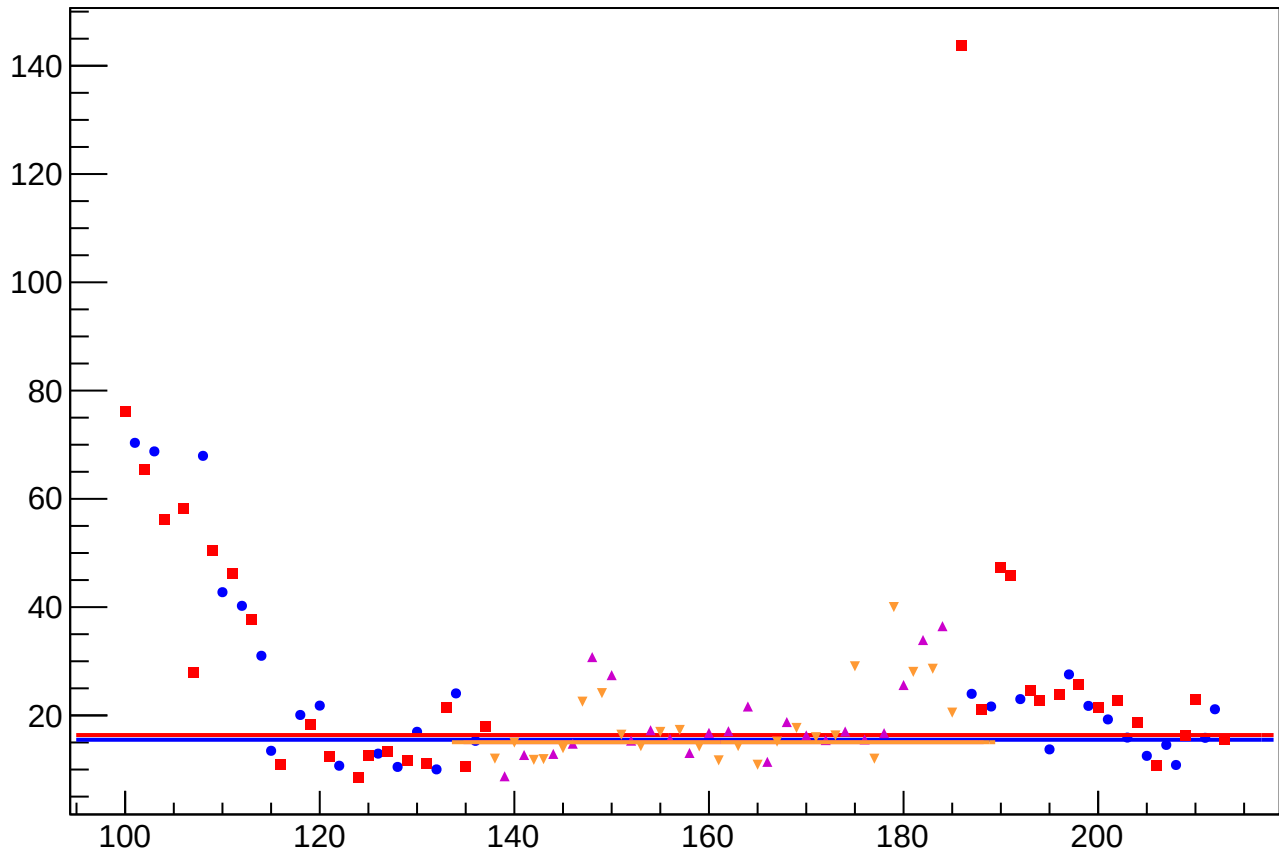
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 60.3/53

All: 0.003 ± 0.002 χ^2/NDF : 139.9/110

- sign 0.003 ± 0.003 χ^2/NDF : 79.5/56

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.501 $\pm$ 0.003 χ^2 /NDF: 4772283.2/28

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758075.6/24

Right Out: 16.372 $\pm$ 0.003 χ^2 /NDF: 6551485.0/33

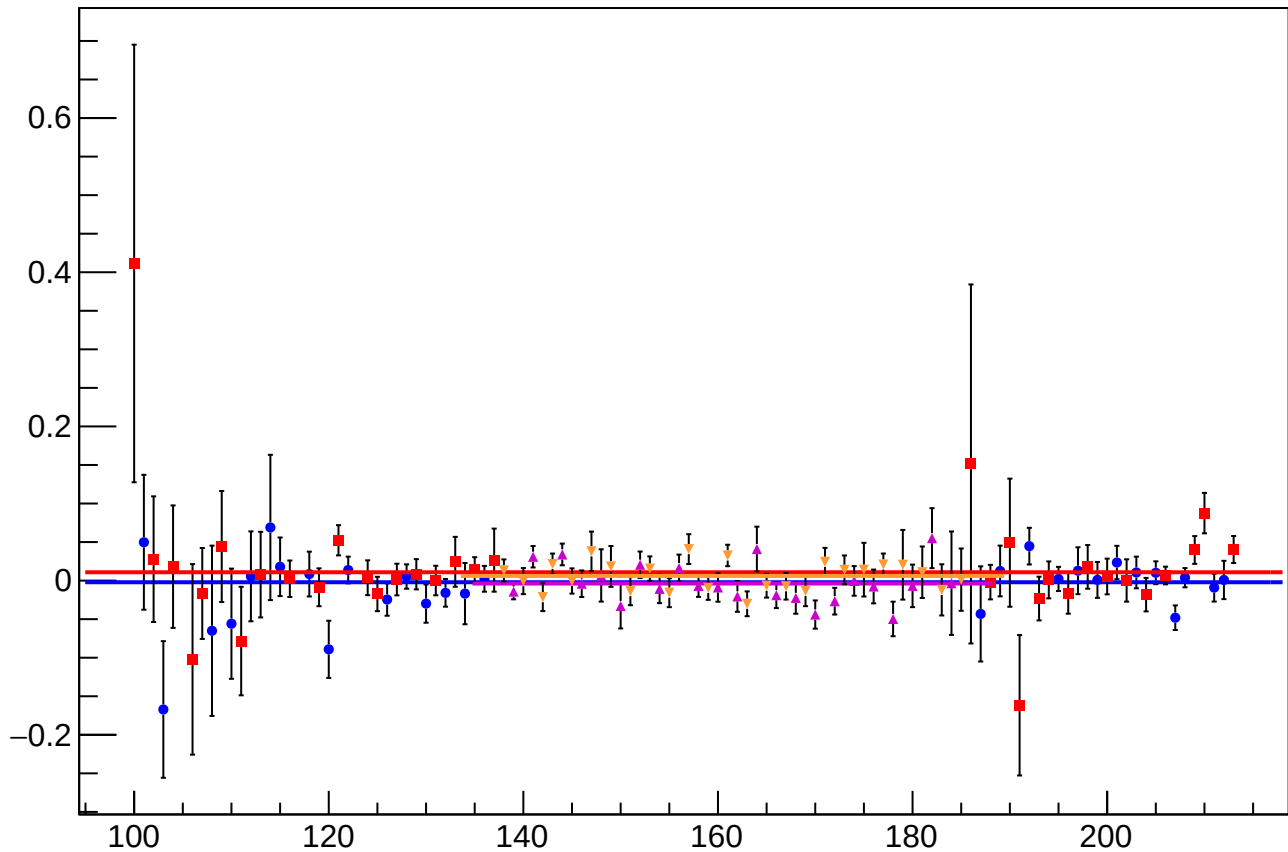
Left In: 15.068 $\pm$ 0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.243 $\pm$ 0.002 χ^2 /NDF: 7543545.8/53

All: 15.434 $\pm$ 0.001 χ^2 /NDF: 17282982.0/110

- sign 15.640 $\pm$ 0.002 χ^2 /NDF: 9719655.9/56

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.5/28

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.011 ± 0.004 χ^2/NDF : 36.1/33

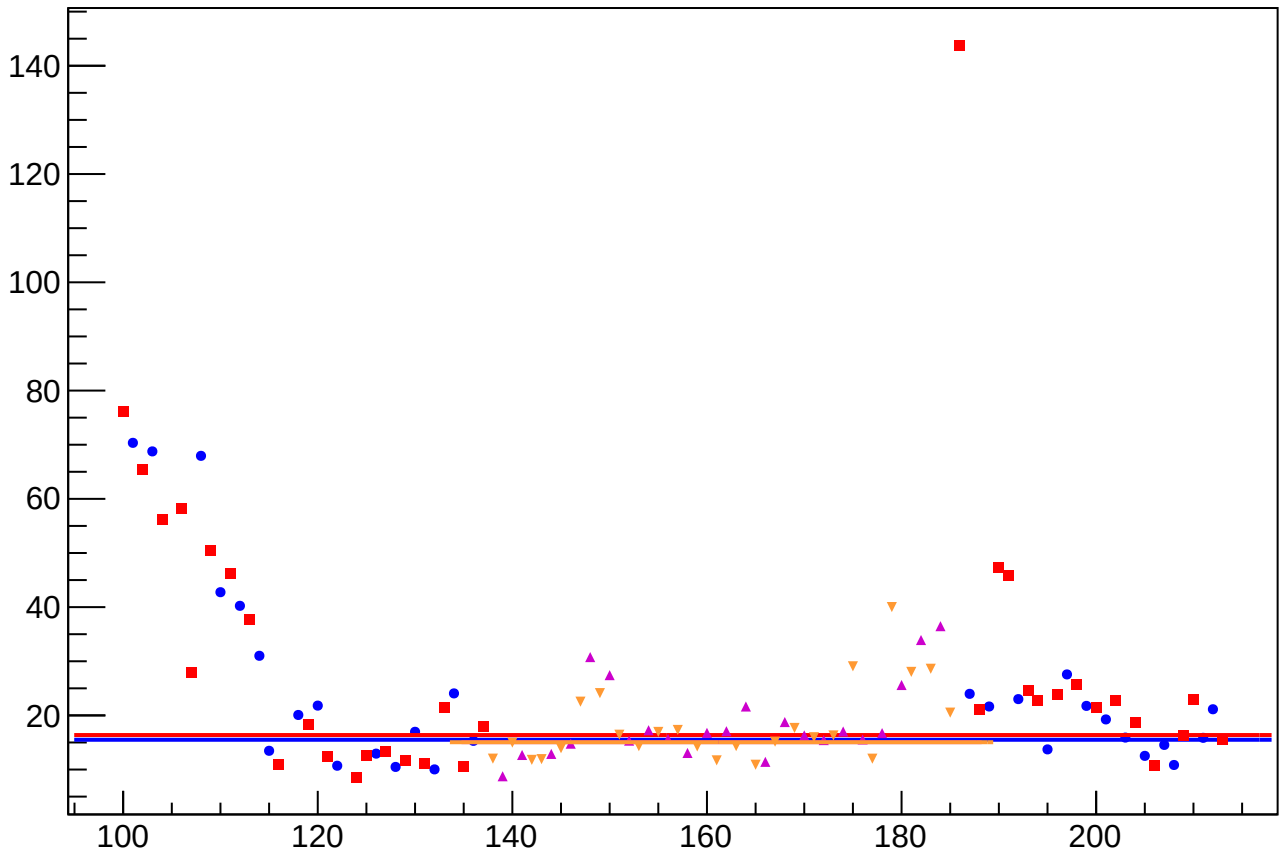
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 60.3/53

All: 0.003 ± 0.002 χ^2/NDF : 139.9/110

- sign 0.003 ± 0.003 χ^2/NDF : 79.5/56

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.501 $\pm$ 0.003 χ^2 /NDF: 4772283.2/28

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758075.6/24

Right Out: 16.372 $\pm$ 0.003 χ^2 /NDF: 6551485.0/33

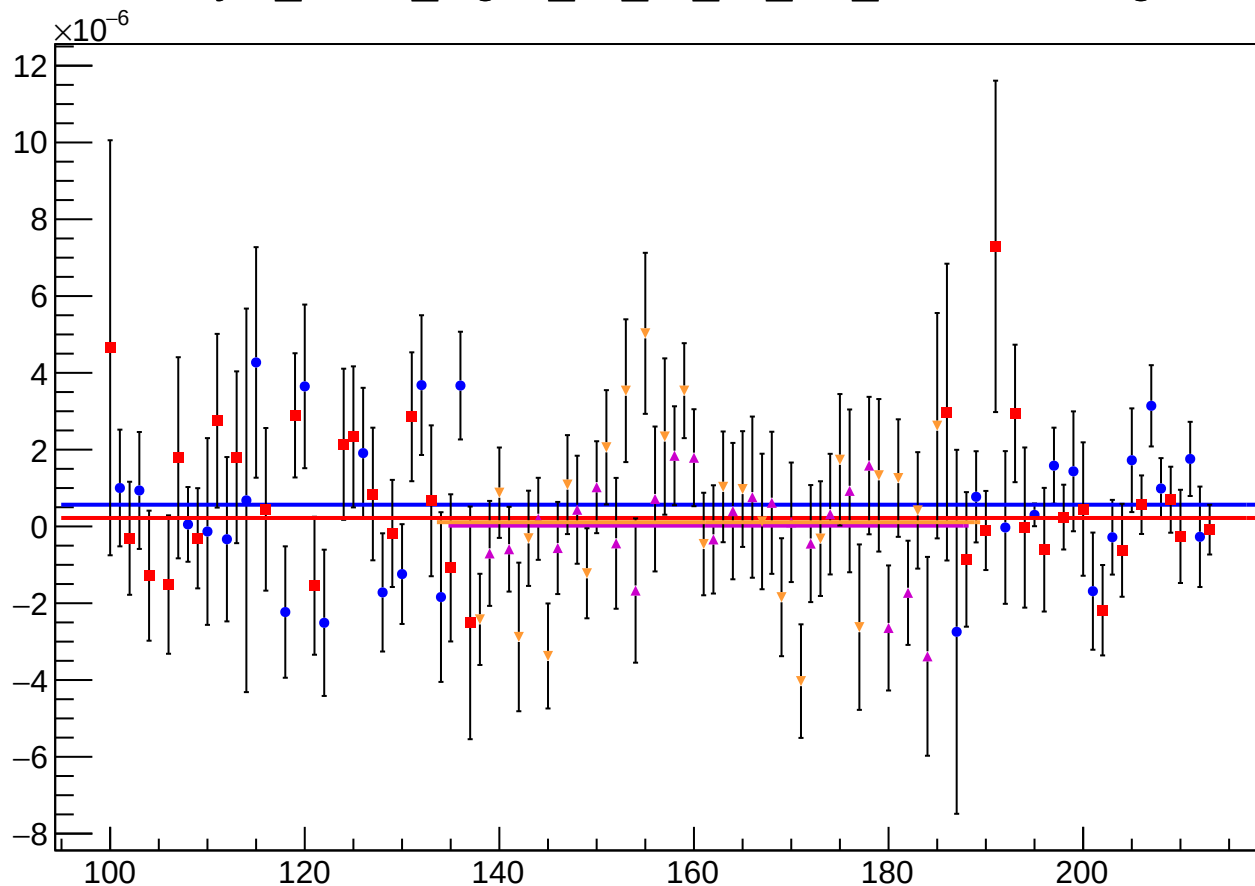
Left In: 15.068 $\pm$ 0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.243 $\pm$ 0.002 χ^2 /NDF: 7543545.8/53

All: 15.434 $\pm$ 0.001 χ^2 /NDF: 17282982.0/110

- sign 15.640 $\pm$ 0.002 χ^2 /NDF: 9719655.9/56

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:50.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/33

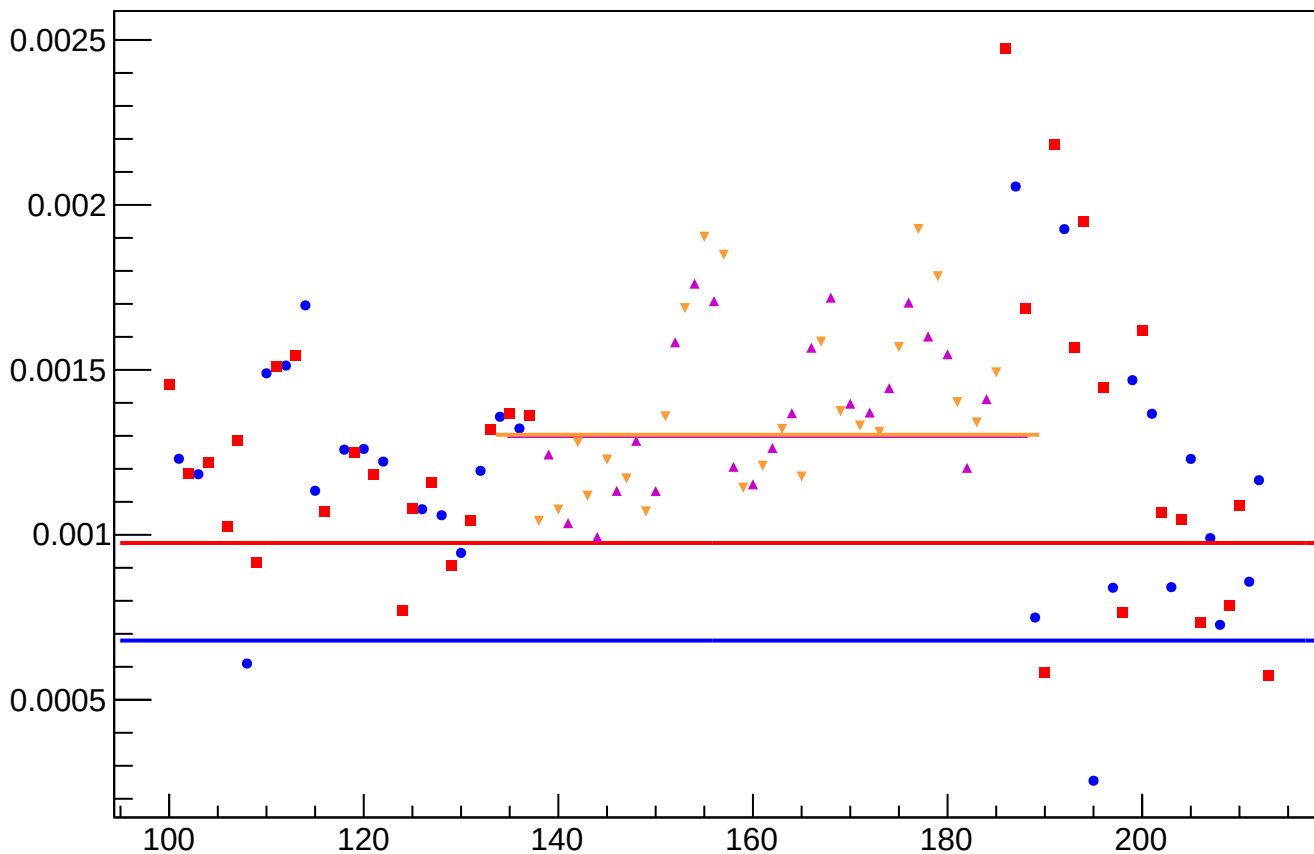
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 89.5/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 131.7/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.0/56

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9736369.1/28

Left Out: 0.001+/-0.000 χ^2/NDF : 1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 4092830.3/33

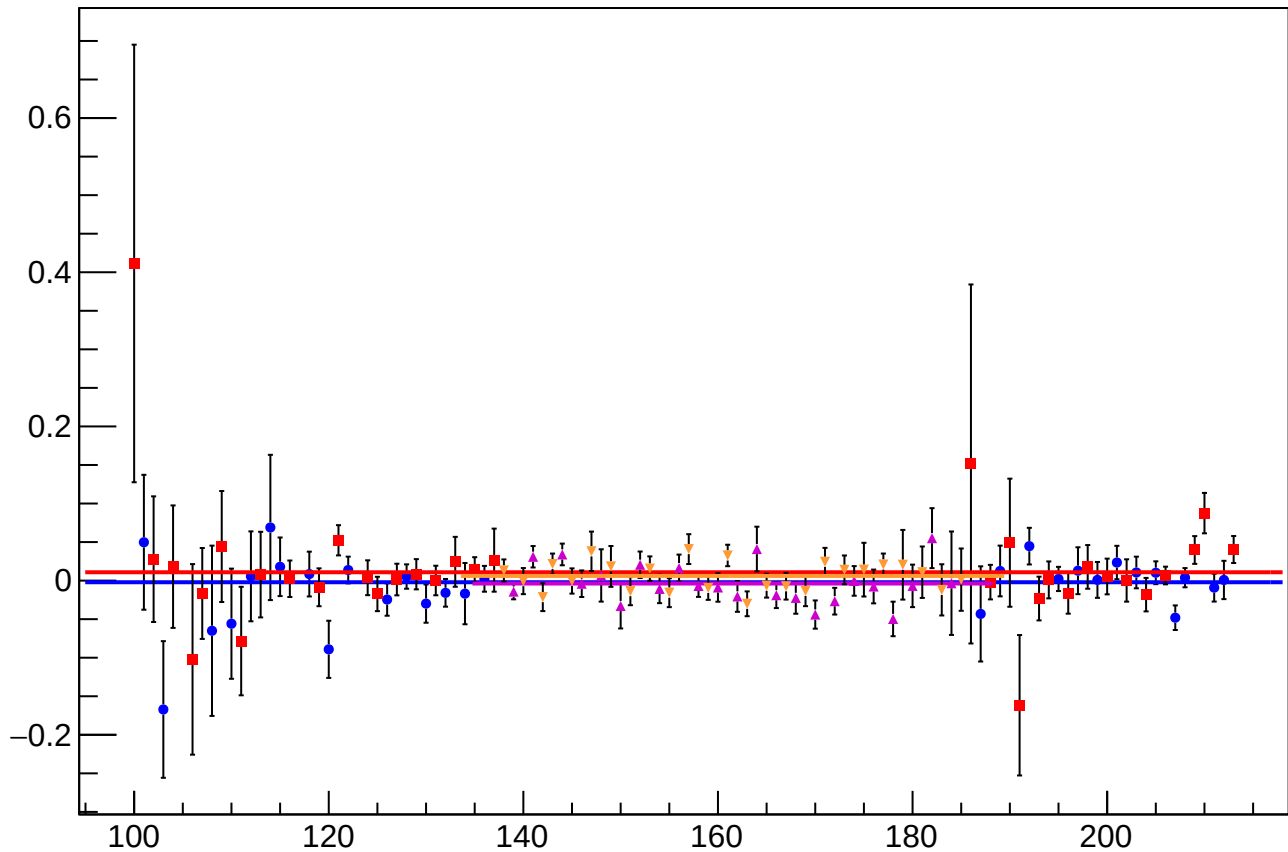
Left In: 0.001+/-0.000 χ^2/NDF : 1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 16912721.0/53

All: 0.001+/-0.000 χ^2/NDF : 25091007.4/110

- sign 0.001+/-0.000 χ^2/NDF : 6486610.7/56

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.5/28

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.011 ± 0.004 χ^2/NDF : 36.1/33

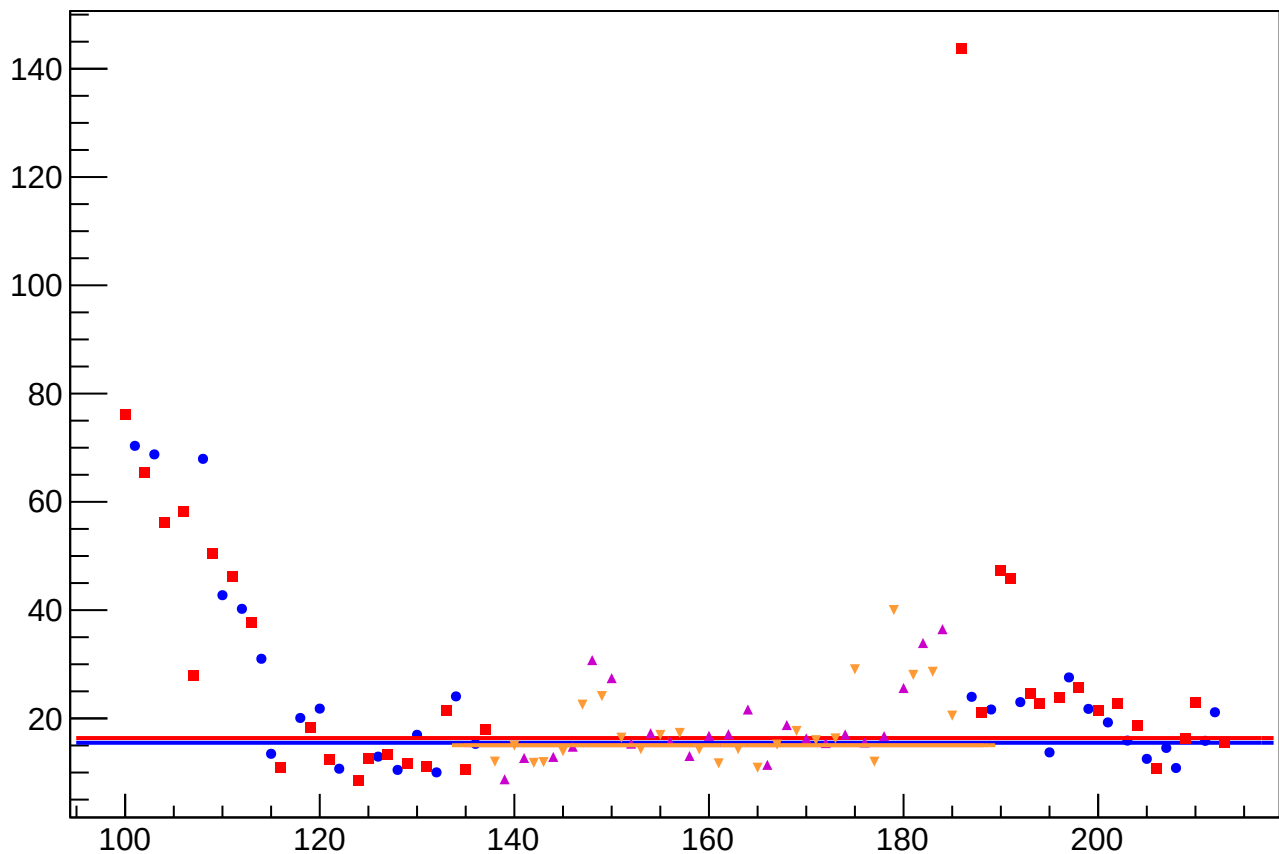
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 60.3/53

All: 0.003 ± 0.002 χ^2/NDF : 139.9/110

- sign 0.003 ± 0.003 χ^2/NDF : 79.5/56

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.501 $\pm$ 0.003 χ^2 /NDF: 4772283.6/28

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758285.3/24

Right Out: 16.372 $\pm$ 0.003 χ^2 /NDF: 6551449.1/33

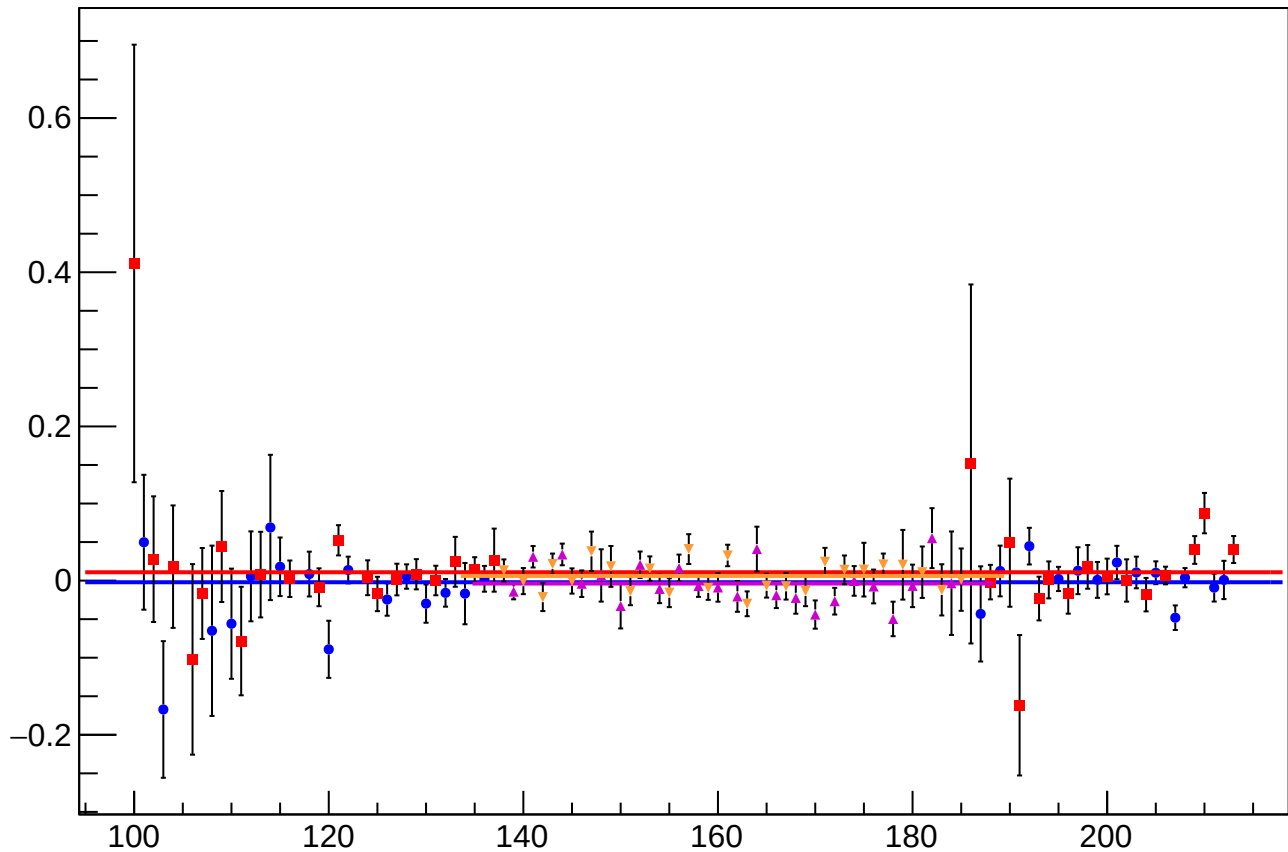
Left In: 15.067 $\pm$ 0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.242 $\pm$ 0.002 χ^2 /NDF: 7543752.0/53

All: 15.434 $\pm$ 0.001 χ^2 /NDF: 17283195.7/110

- sign 15.640 $\pm$ 0.002 χ^2 /NDF: 9719655.7/56

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.004 χ^2/NDF : 31.5/28

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.011 ± 0.004 χ^2/NDF : 36.1/33

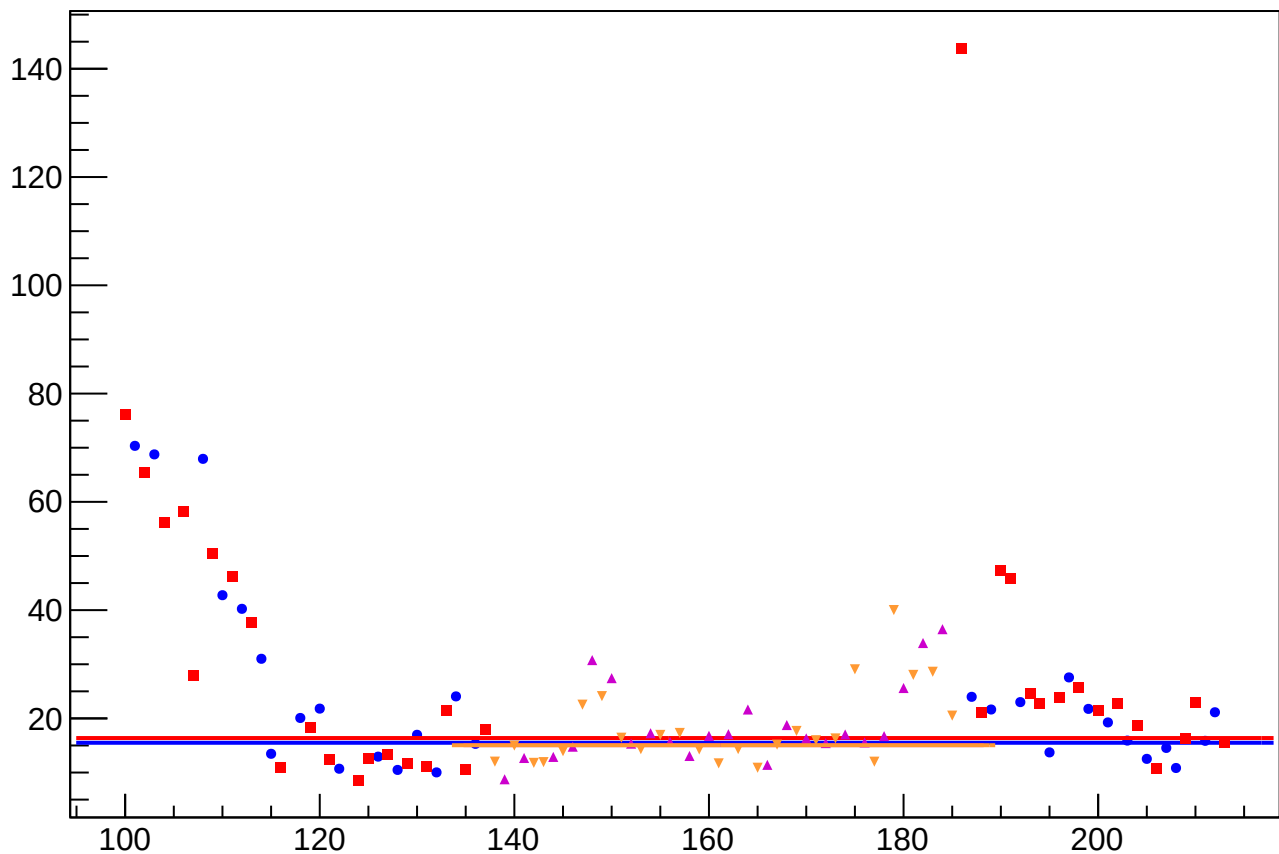
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 60.3/53

All: 0.003 ± 0.002 χ^2/NDF : 139.9/110

- sign 0.003 ± 0.003 χ^2/NDF : 79.5/56

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.501 $\pm$ 0.003 χ^2 /NDF: 4772283.6/28

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758285.3/24

Right Out: 16.372 $\pm$ 0.003 χ^2 /NDF: 6551449.1/33

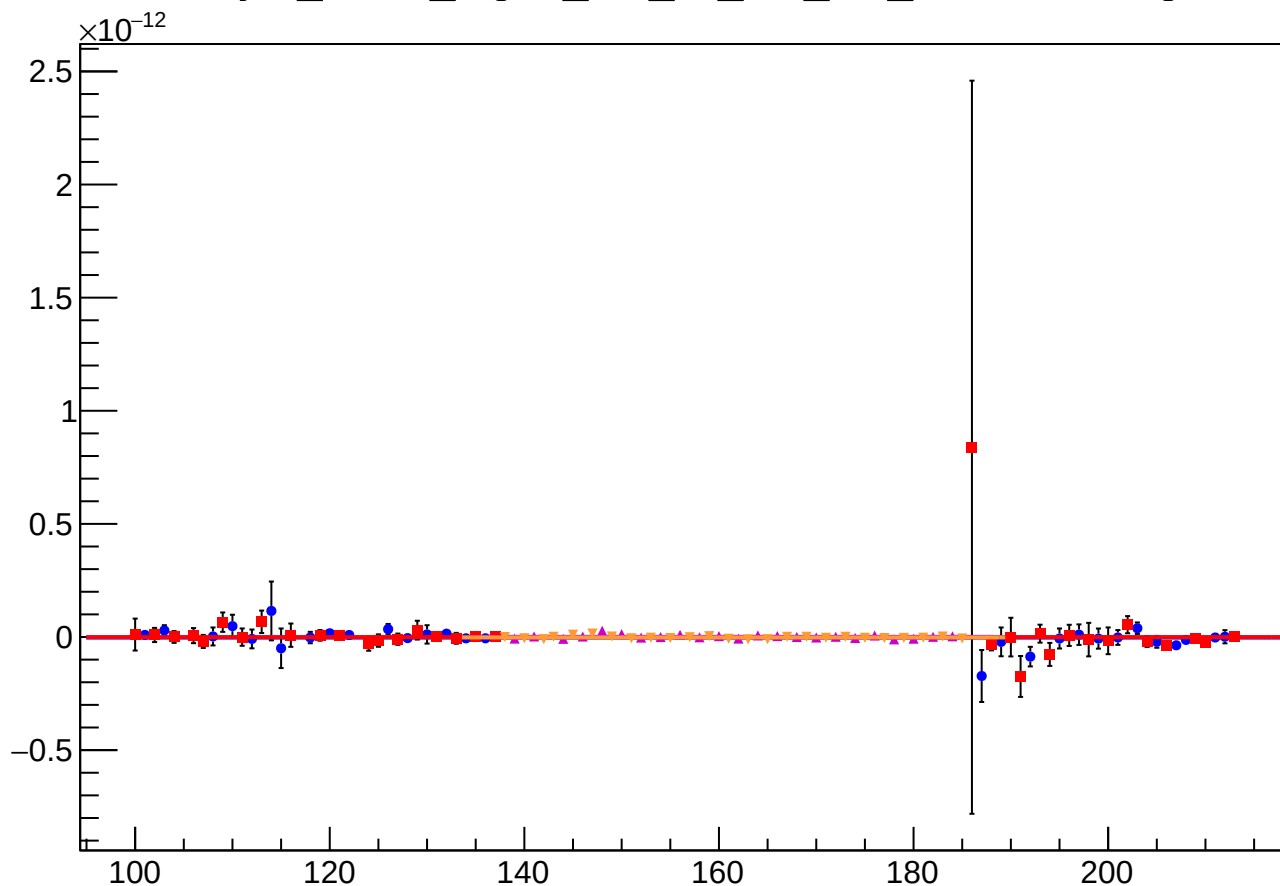
Left In: 15.067 $\pm$ 0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.242 $\pm$ 0.002 χ^2 /NDF: 7543752.0/53

All: 15.434 $\pm$ 0.001 χ^2 /NDF: 17283195.7/110

- sign 15.640 $\pm$ 0.002 χ^2 /NDF: 9719655.7/56

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.9/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.7/33

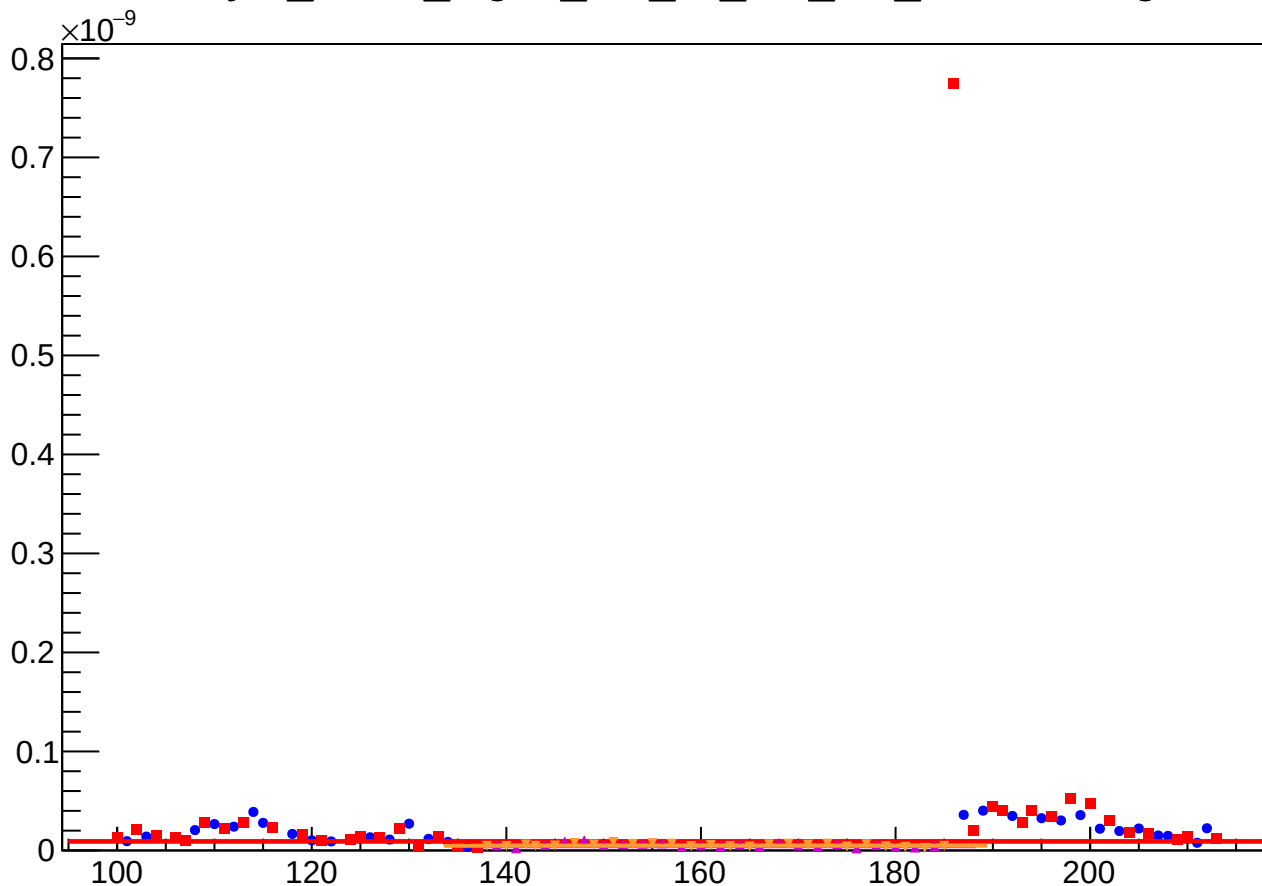
Left In: 0.000 ± 0.000 χ^2/NDF : 21.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 38.1/53

All: -0.000 ± 0.000 χ^2/NDF : 85.1/110

- sign 0.000 ± 0.000 χ^2/NDF : 45.2/56

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9240546.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11128404.0/33

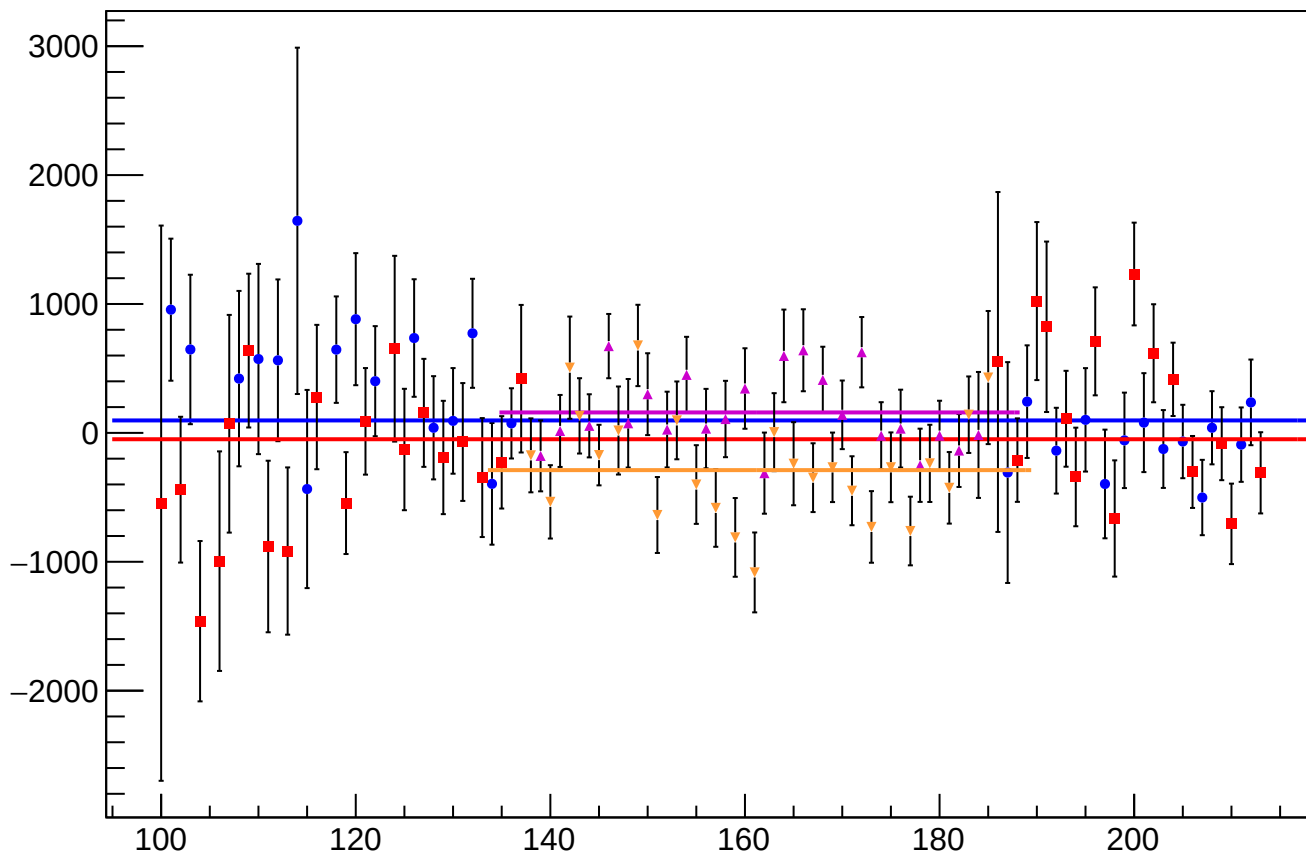
Left In: 0.000+/-0.000 χ^2/NDF : 3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14068591.3/53

All: 0.000+/-0.000 χ^2/NDF : 32697873.1/110

- sign 0.000+/-0.000 χ^2/NDF : 18509632.9/56

reg_asym_sam2_mean vs Slug



Right In: 96.591+/-74.369 χ^2/NDF : 24.7/28

Left Out: -288.924+/-59.035 χ^2/NDF : 42.4/24

Right Out: -49.295+/-74.496 χ^2/NDF : 49.5/33

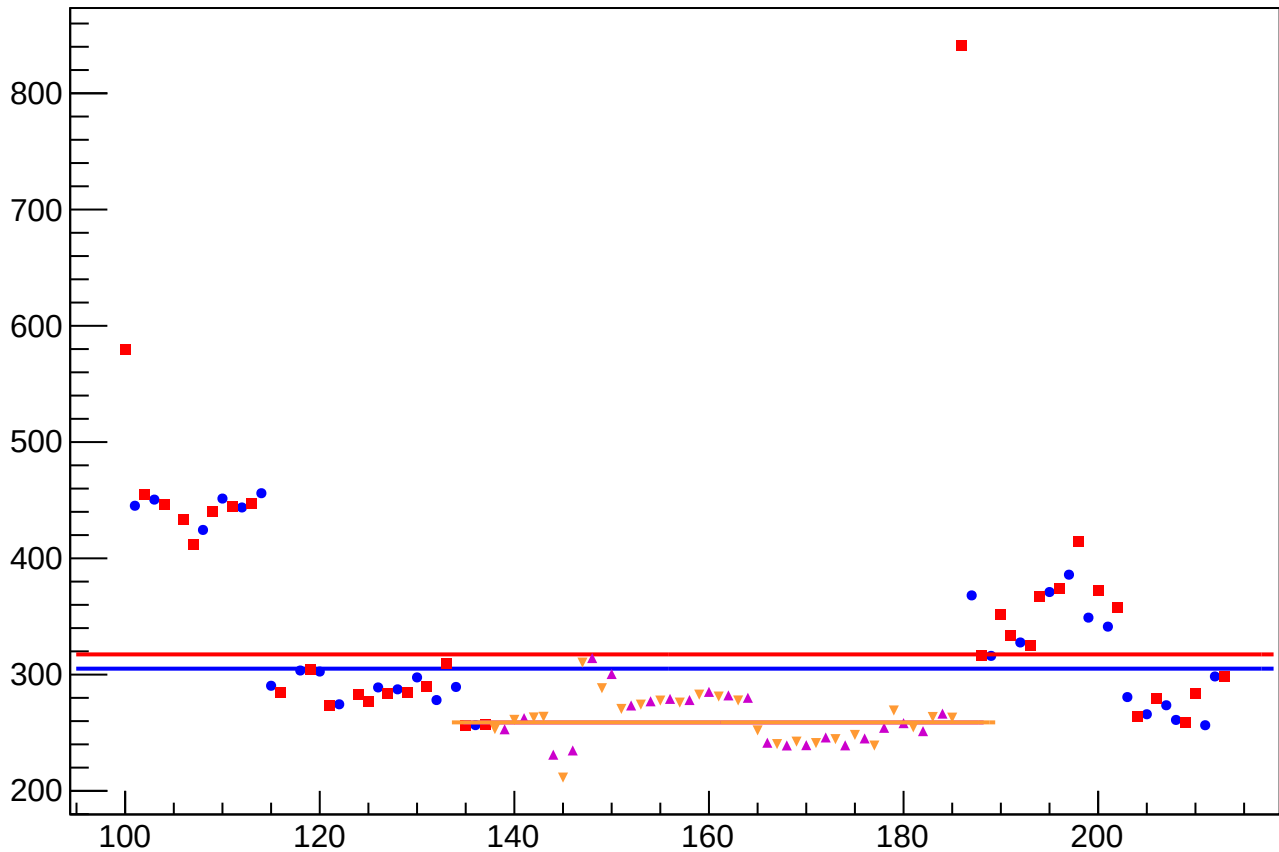
Left In: 158.601+/-60.708 χ^2/NDF : 22.5/22

+ sign -139.901+/-46.238 χ^2/NDF : 83.6/53

All: -34.032+/-32.982 χ^2/NDF : 171.0/110

- sign 75.637+/-47.061 χ^2/NDF : 76.7/56

reg_asym_sam2_rms vs Slug



Right In: 305.116 ± 0.053 χ^2/NDF : 985072.8/28

Left Out: 258.912 ± 0.042 χ^2/NDF : 248740.9/24

Right Out: 317.383 ± 0.053 χ^2/NDF : 1469306.7/33

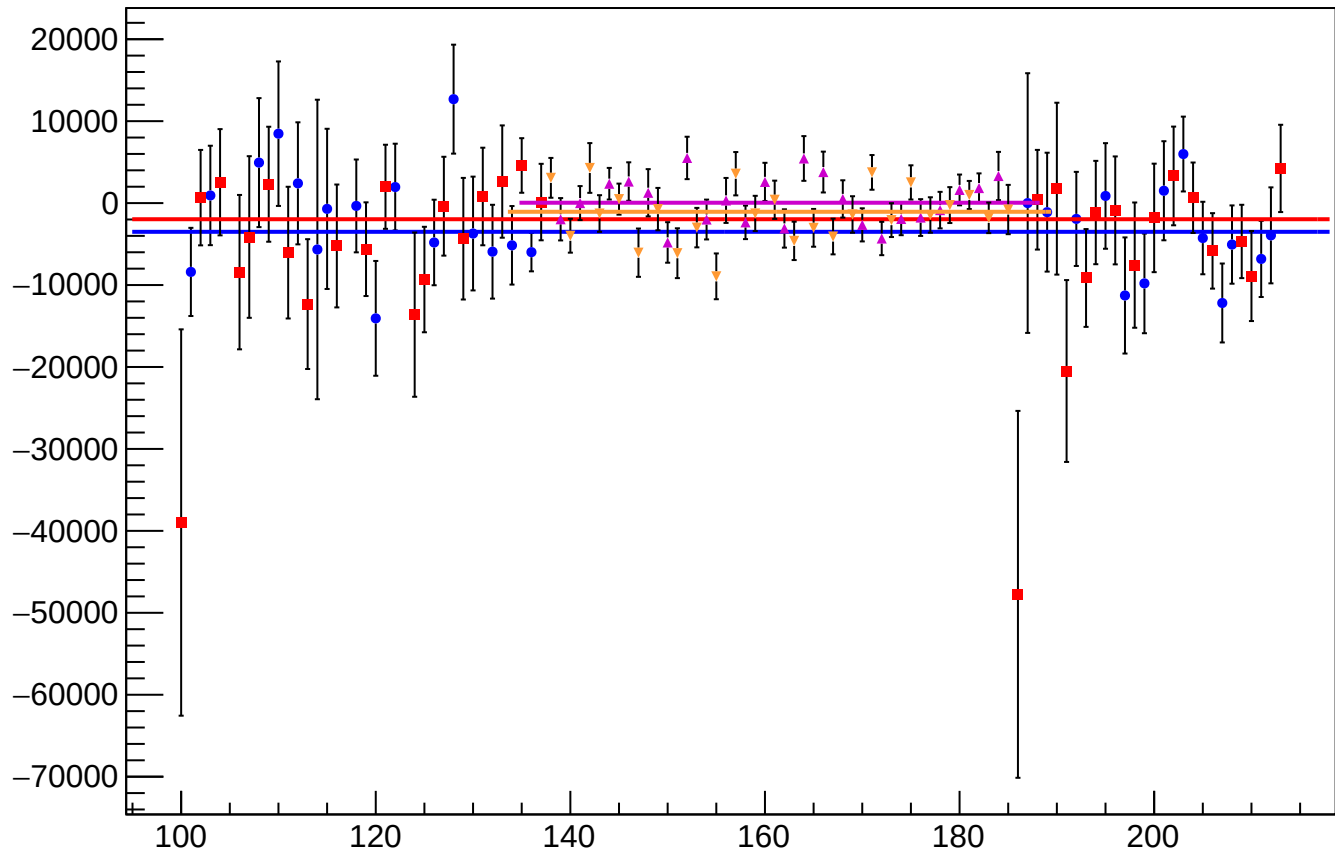
Left In: 258.843 ± 0.043 χ^2/NDF : 244953.3/22

+ sign 276.773 ± 0.033 χ^2/NDF : 1707389.7/53

All: 279.440 ± 0.023 χ^2/NDF : 4177348.1/110

- sign 282.204 ± 0.033 χ^2/NDF : 2456402.6/56

asym_sam2_reg_correction_mean vs Slug



Right In: -3504.565 ± 1021.304 χ^2/NDF : 28.0/28

Left Out: -1059.229 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1968.281 ± 1060.217 χ^2/NDF : 29.2/33

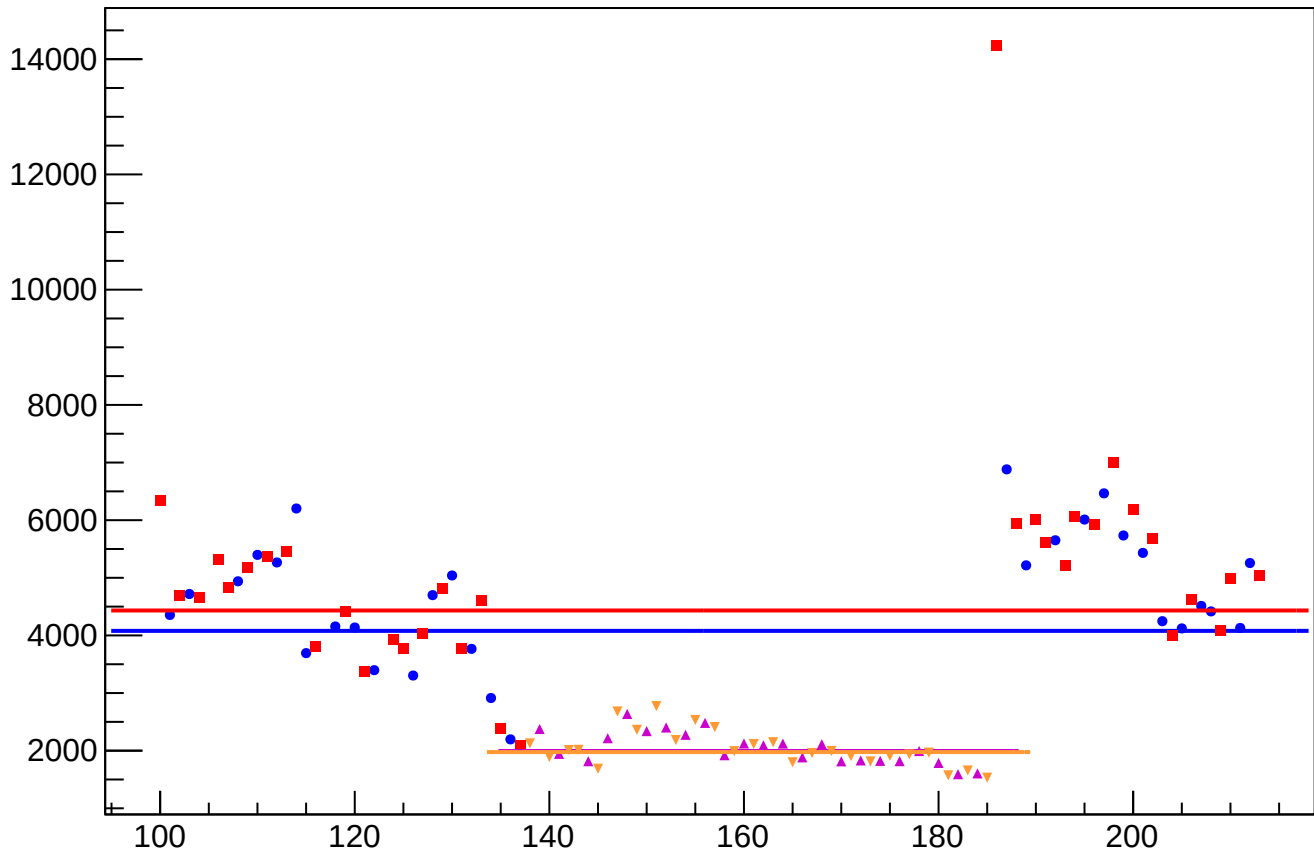
Left In: 44.352 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1463.681 ± 415.355 χ^2/NDF : 74.3/53

All: -896.019 ± 298.813 χ^2/NDF : 144.6/110

- sign -287.032 ± 430.208 χ^2/NDF : 66.4/56

asym_sam2_reg_correction_rms vs Slug



Right In: 4078.990 $\pm$ 0.722 χ^2/NDF : 2751737.0/28

Left Out: 1975.967 $\pm$ 0.321 χ^2/NDF : 763327.6/24

+ sign 2323.802 $\pm$ 0.294 χ^2/NDF : 10592686.3/53

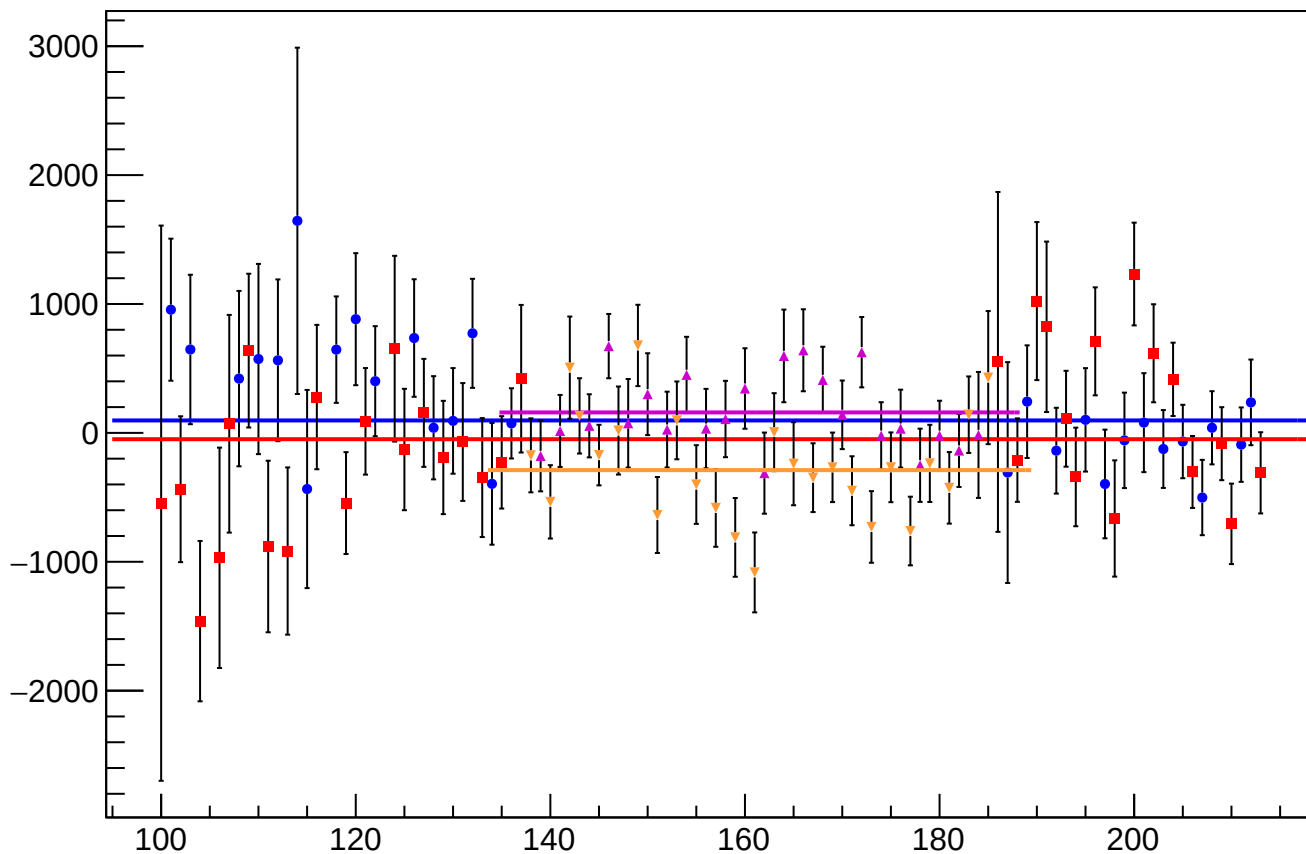
Right Out: 4432.692 $\pm$ 0.750 χ^2/NDF : 2931293.0/33

All: 2358.715 $\pm$ 0.211 χ^2/NDF : 22987141.0/1

Left In: 1994.760 $\pm$ 0.333 χ^2/NDF : 599994.9/22

- sign 2396.170 $\pm$ 0.304 χ^2/NDF : 12365163.9/56

cor_asym_sam2_mean vs Slug



Right In: 96.565 ± 74.369 χ^2/NDF : 24.7/28

Left Out: -288.928 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -48.972 ± 74.499 χ^2/NDF : 49.4/33

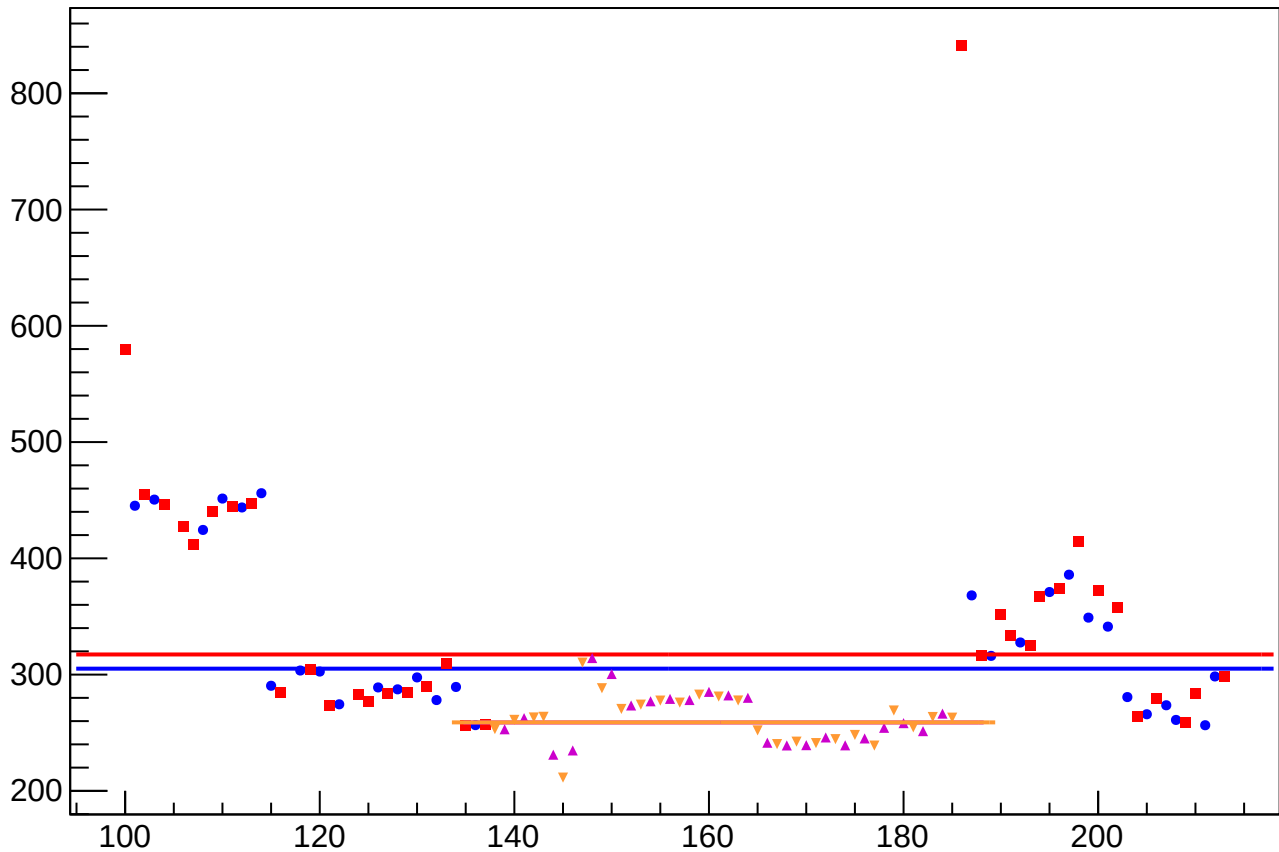
Left In: 158.612 ± 60.708 χ^2/NDF : 22.5/22

+ sign -139.913 ± 46.238 χ^2/NDF : 83.6/53

All: -33.972 ± 32.982 χ^2/NDF : 170.9/110

- sign 75.776 ± 47.061 χ^2/NDF : 76.6/56

cor_asym_sam2_rms vs Slug



Right In: 305.116 ± 0.053 χ^2/NDF : 985074.3/28

Left Out: 258.912 ± 0.042 χ^2/NDF : 248740.9/24

Right Out: 317.326 ± 0.053 χ^2/NDF : 1465043.7/33

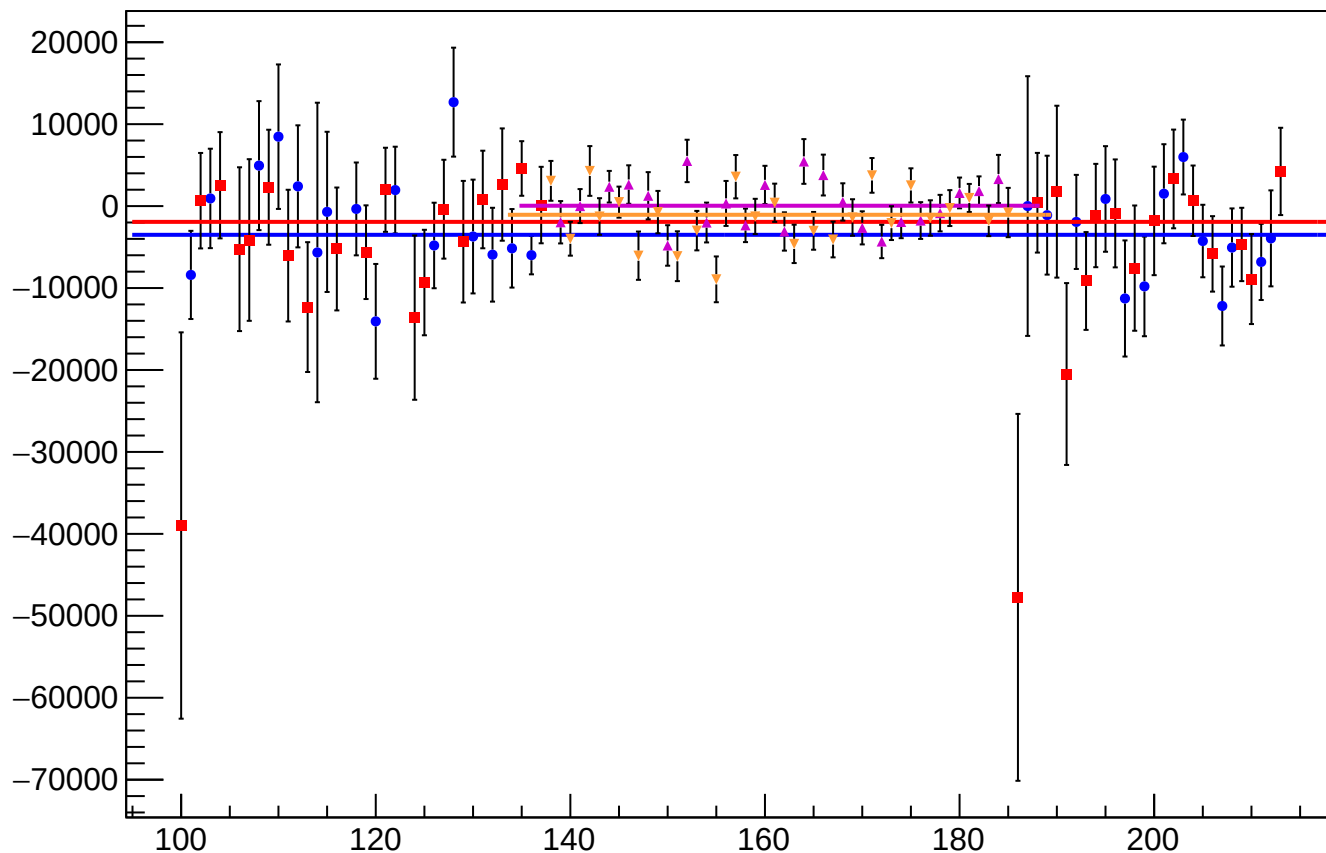
Left In: 258.843 ± 0.043 χ^2/NDF : 244953.3/22

+ sign 276.773 ± 0.033 χ^2/NDF : 1707391.3/53

All: 279.429 ± 0.023 χ^2/NDF : 4171489.6/110

- sign 282.180 ± 0.033 χ^2/NDF : 2450661.2/56

asym_sam2_cor_correction_mean vs Slug



Right In: -3504.541 ± 1021.306 χ^2/NDF : 28.0/28

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1923.793 ± 1060.985 χ^2/NDF : 28.8/33

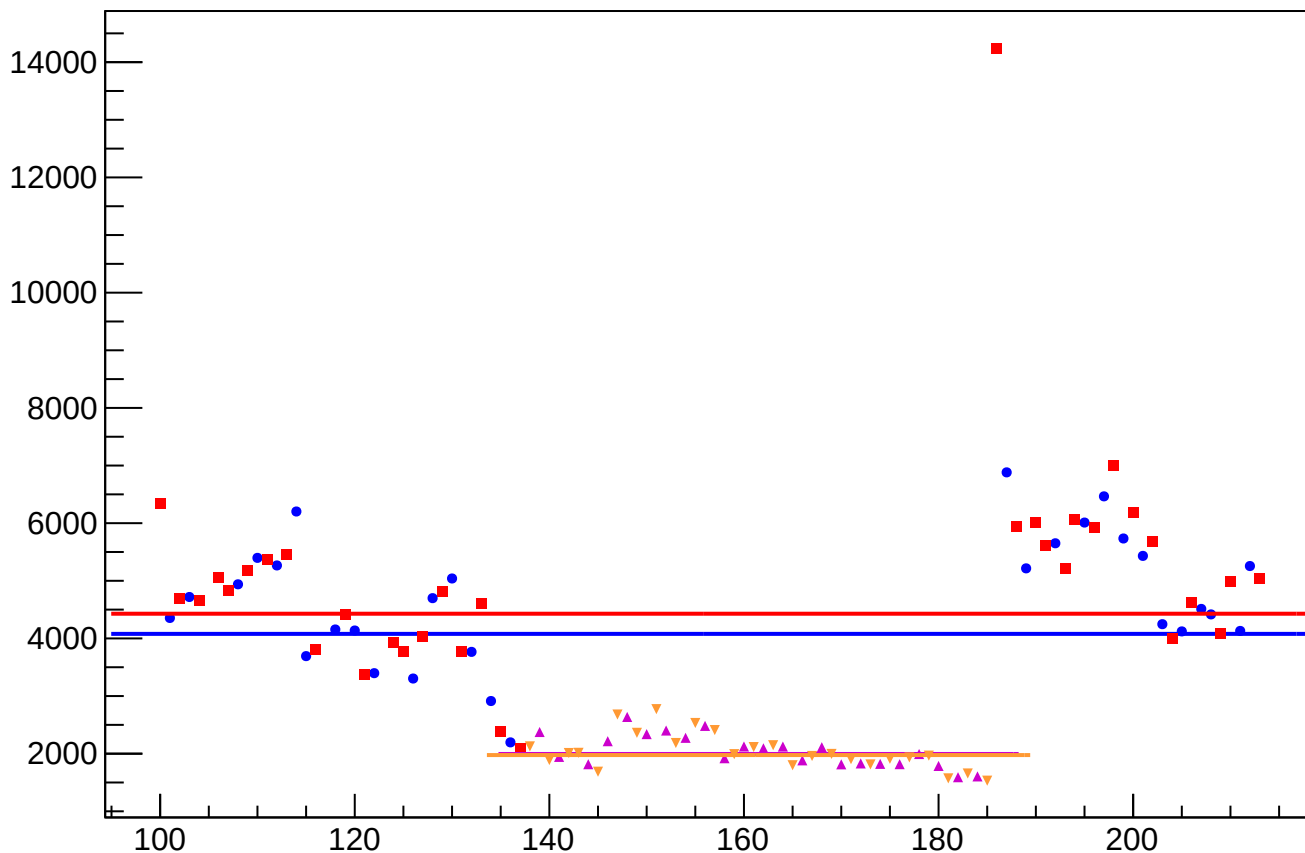
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1463.679 ± 415.355 χ^2/NDF : 74.3/53

All: -892.367 ± 298.831 χ^2/NDF : 144.1/110

- sign -279.319 ± 430.259 χ^2/NDF : 65.9/56

asym_sam2_cor_correction_rms vs Slug



Right In: 4078.994 $\pm$ 0.722 χ^2 /NDF: 2751745.9/28

Left Out: 1975.967 $\pm$ 0.321 χ^2 /NDF: 763328.1/24

Right Out: 4428.755 $\pm$ 0.750 χ^2 /NDF: 2921965.2/33

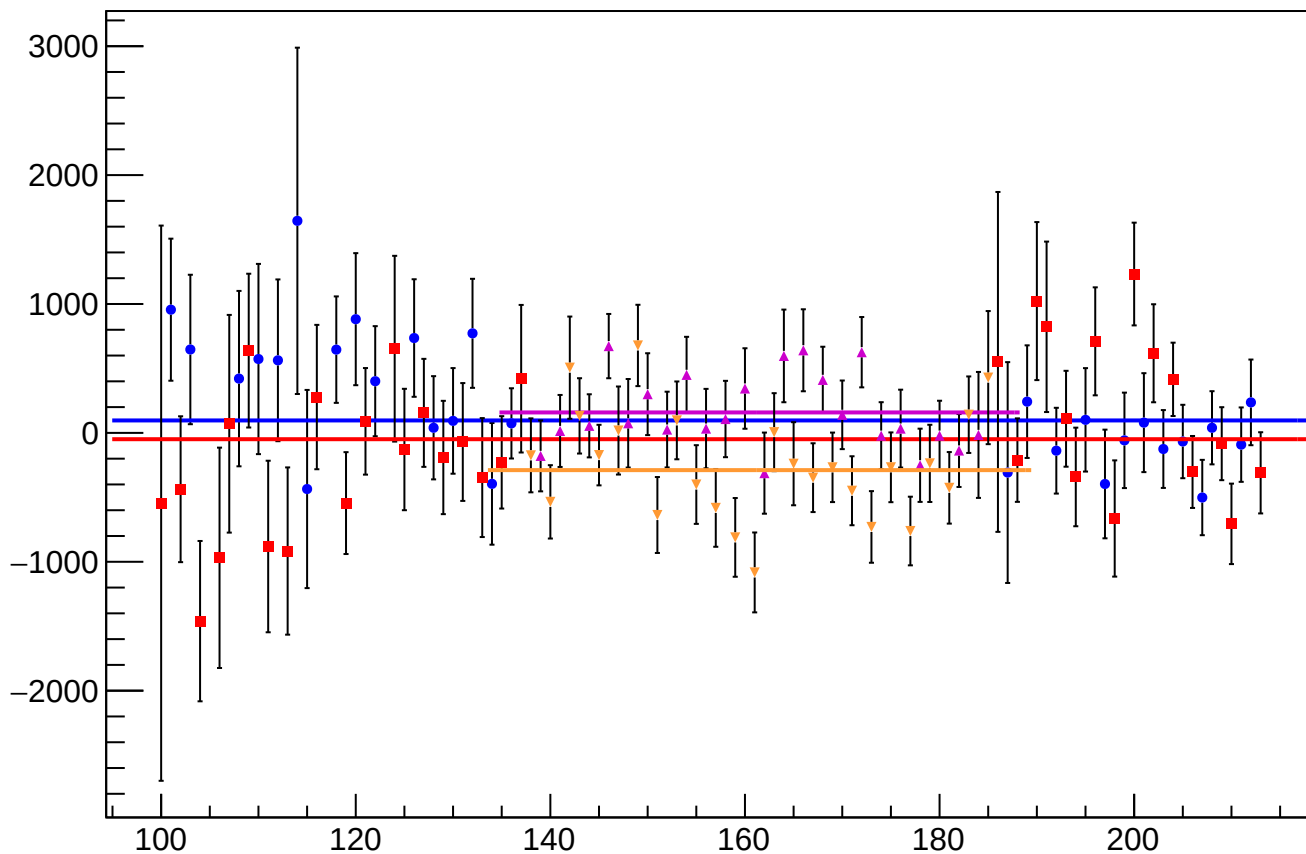
Left In: 1994.760 $\pm$ 0.333 χ^2 /NDF: 599996.2/22

+ sign 2323.802 $\pm$ 0.294 χ^2 /NDF: 10592707.2/53

All: 2358.165 $\pm$ 0.211 χ^2 /NDF: 22937763.3/1

- sign 2395.038 $\pm$ 0.304 χ^2 /NDF: 12316678.3/56

eigen_cor_asym_sam2_mean vs Slug



Right In: 96.565 $\pm$ 74.369 χ^2 /NDF: 24.7/28

Left Out: -288.928 $\pm$ 59.035 χ^2 /NDF: 42.4/24

Right Out: -48.972 $\pm$ 74.499 χ^2 /NDF: 49.4/33

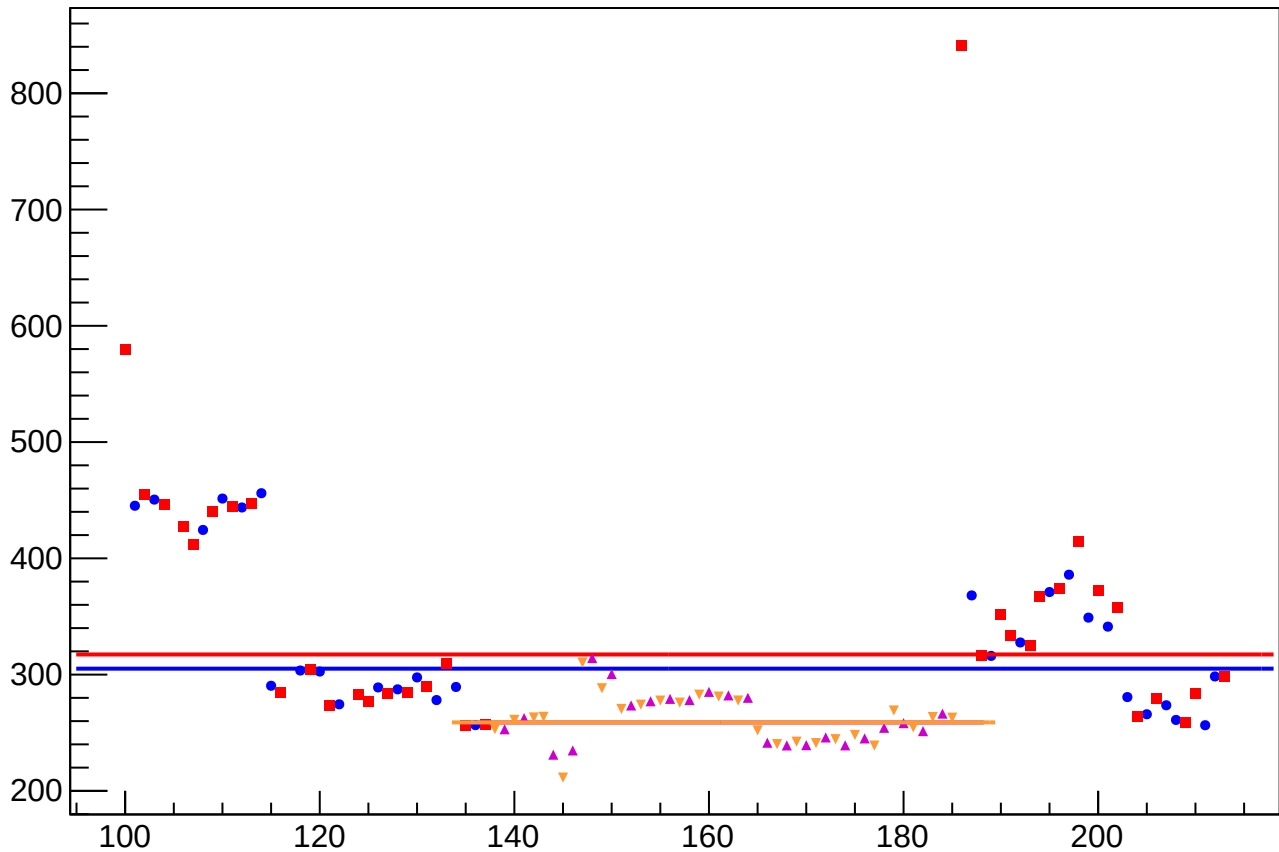
Left In: 158.612 $\pm$ 60.708 χ^2 /NDF: 22.5/22

+ sign -139.913 $\pm$ 46.238 χ^2 /NDF: 83.6/53

All: -33.972 $\pm$ 32.982 χ^2 /NDF: 170.9/110

- sign 75.776 $\pm$ 47.061 χ^2 /NDF: 76.6/56

eigen_cor_asym_sam2_rms vs Slug



Right In: 305.116 $\pm$ 0.053 χ^2 /NDF: 985074.3/28

Left Out: 258.912 $\pm$ 0.042 χ^2 /NDF: 248740.9/24

Right Out: 317.326 $\pm$ 0.053 χ^2 /NDF: 1465043.7/33

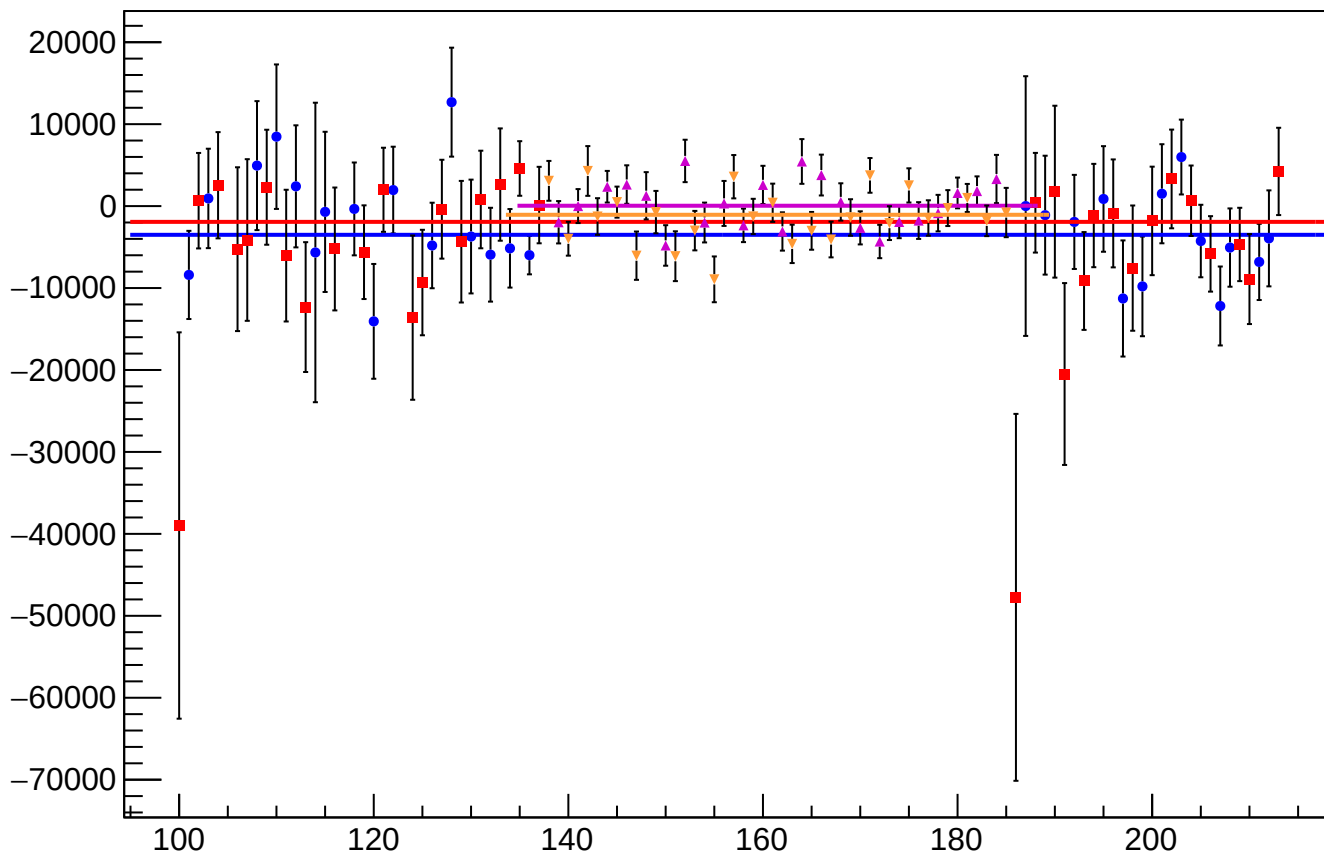
Left In: 258.843 $\pm$ 0.043 χ^2 /NDF: 244953.3/22

+ sign 276.773 $\pm$ 0.033 χ^2 /NDF: 1707391.3/53

All: 279.429 $\pm$ 0.023 χ^2 /NDF: 4171489.6/110

- sign 282.180 $\pm$ 0.033 χ^2 /NDF: 2450661.2/56

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3504.541 ± 1021.306 χ^2/NDF : 28.0/28

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1923.793 ± 1060.985 χ^2/NDF : 28.8/33

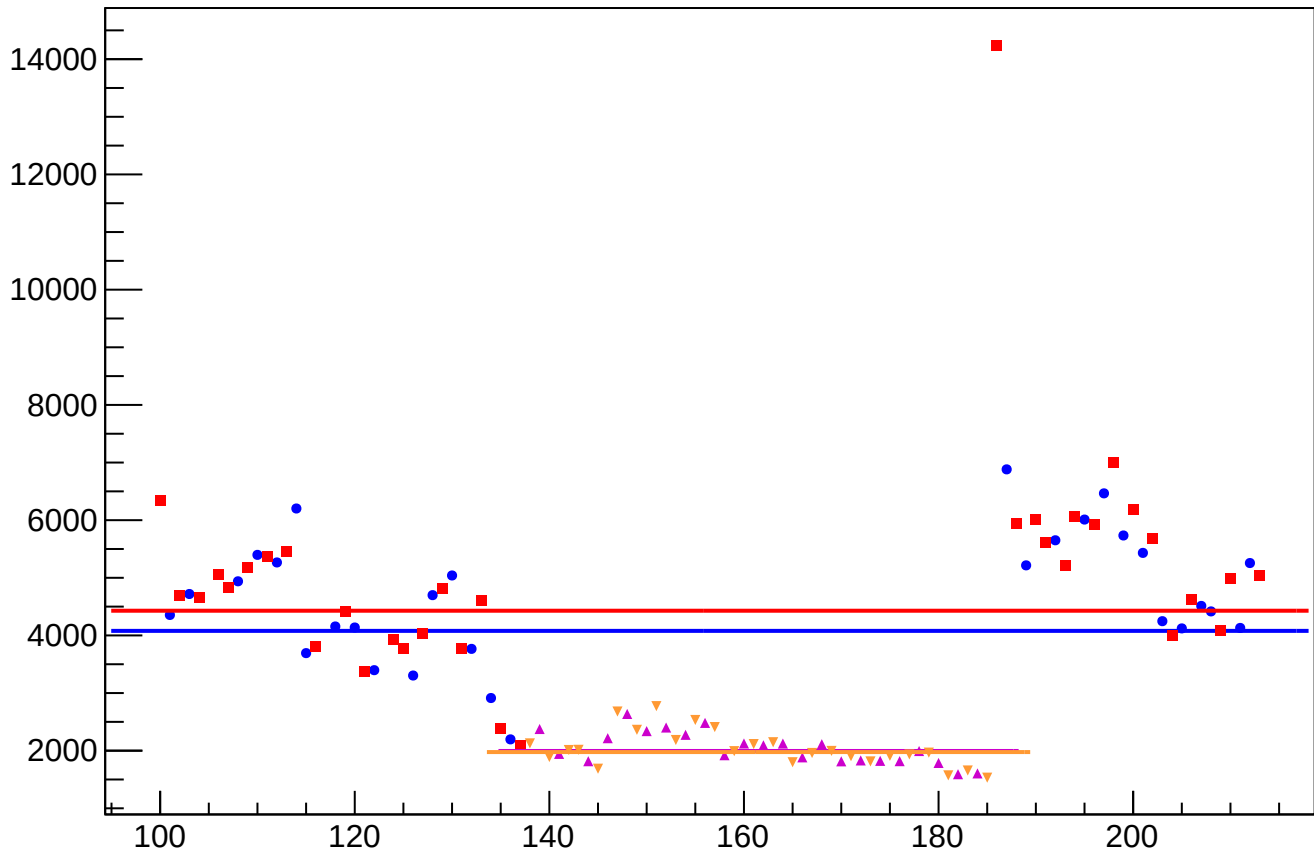
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1463.679 ± 415.355 χ^2/NDF : 74.3/53

All: -892.367 ± 298.831 χ^2/NDF : 144.1/110

- sign -279.319 ± 430.259 χ^2/NDF : 65.9/56

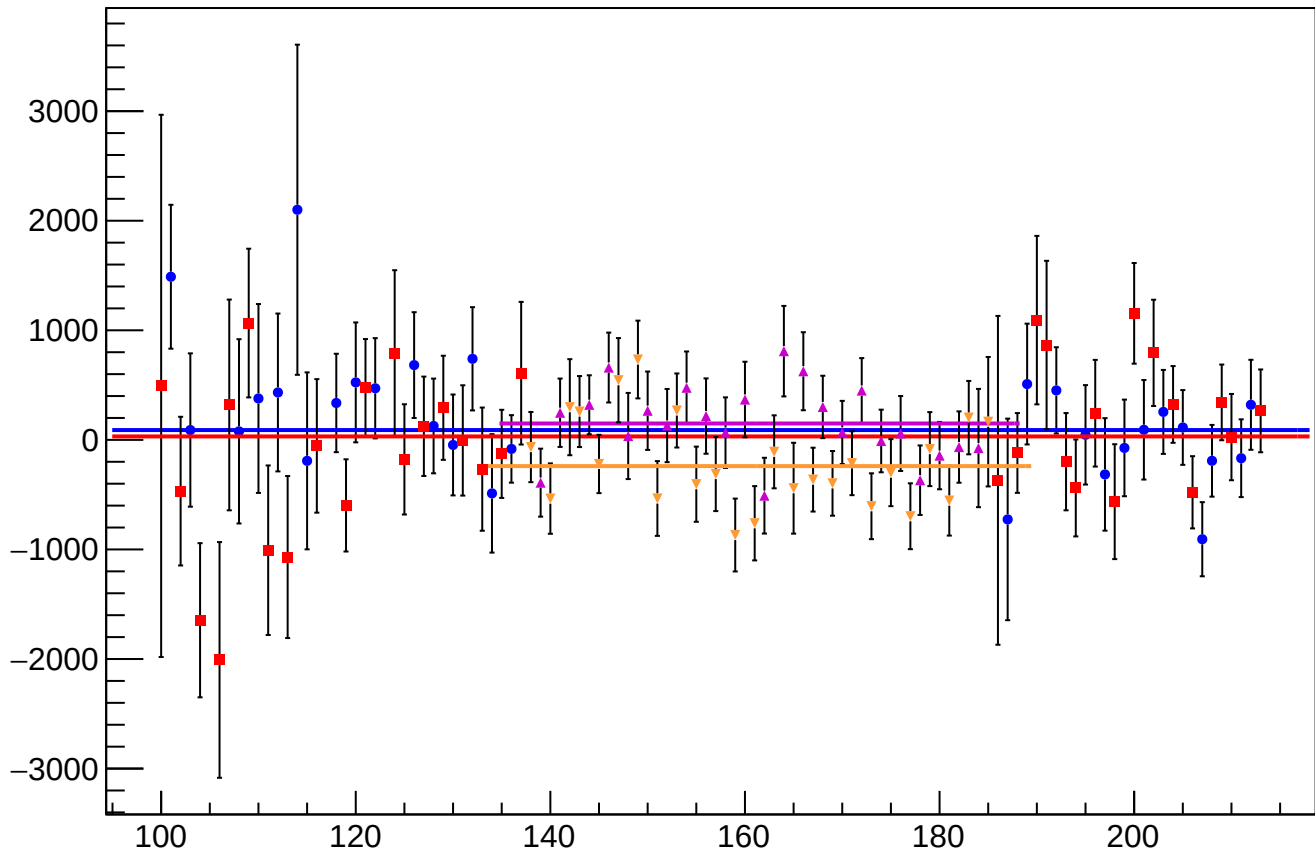
asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4078.994 +/- 0.722 χ^2/NDF : 2751745.9/28
 Left Out: 1975.967 +/- 0.321 χ^2/NDF : 763328.1/24
 Right Out: 4428.755 +/- 0.750 χ^2/NDF : 2921965.2/33
 Left In: 1994.760 +/- 0.333 χ^2/NDF : 599996.2/22

+ sign 2323.802 +/- 0.294 χ^2/NDF : 10592707.2/53
 All: 2358.165 +/- 0.211 χ^2/NDF : 22937763.3/1
 - sign 2395.038 +/- 0.304 χ^2/NDF : 12316678.3/56

dit_asym_sam2_mean vs Slug



Right In: 89.457 ± 86.440 χ^2/NDF : 26.8/28

Left Out: -239.549 ± 66.167 χ^2/NDF : 34.0/24

Right Out: 31.450 ± 86.506 χ^2/NDF : 41.2/33

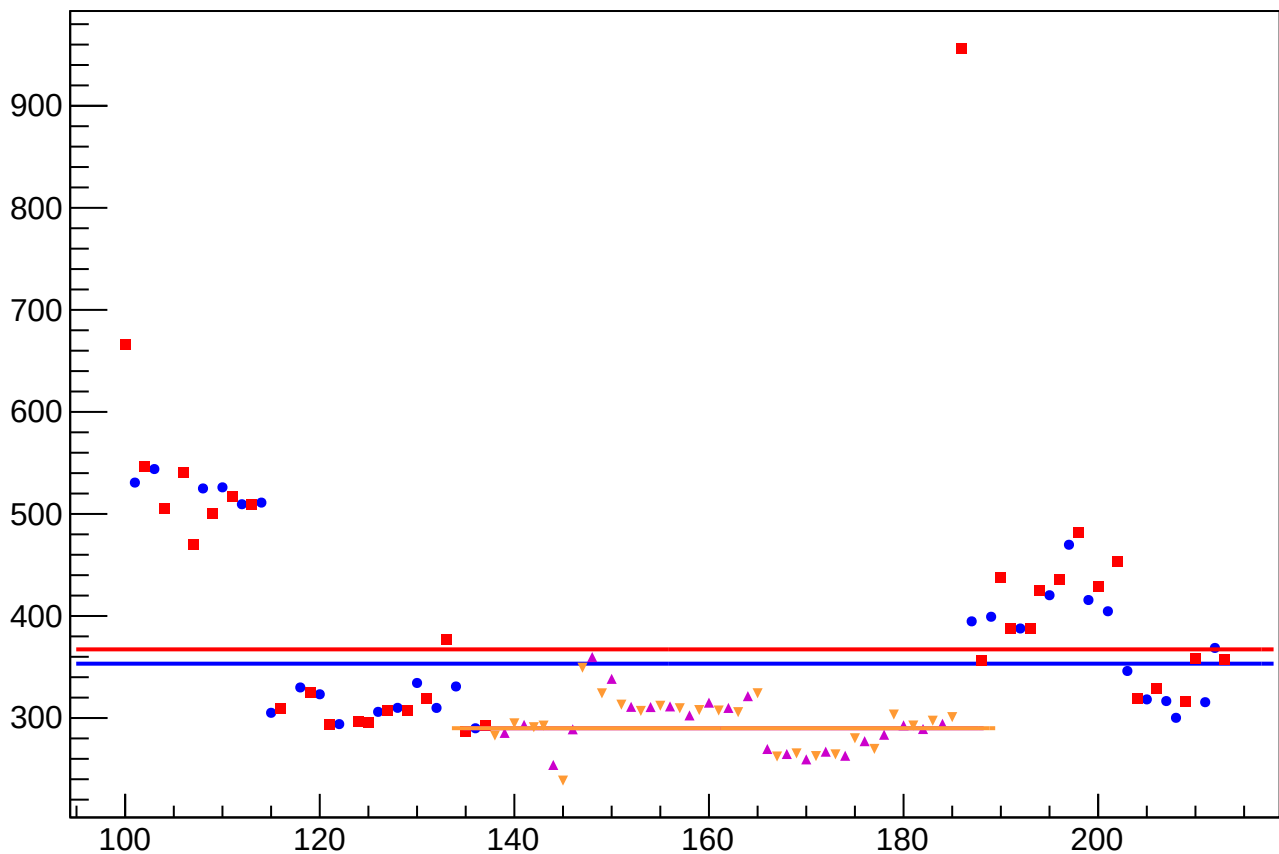
Left In: 149.516 ± 68.160 χ^2/NDF : 21.7/22

+ sign -117.994 ± 52.541 χ^2/NDF : 70.0/53

All: -8.939 ± 37.500 χ^2/NDF : 142.8/110

- sign 104.294 ± 53.538 χ^2/NDF : 64.1/56

dit_asym_sam2_rms vs Slug



Right In: 353.264 $\pm$ 0.061 χ^2 /NDF: 1143030.1/28

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280647.1/24

Right Out: 367.280 $\pm$ 0.061 χ^2 /NDF: 1600129.5/33

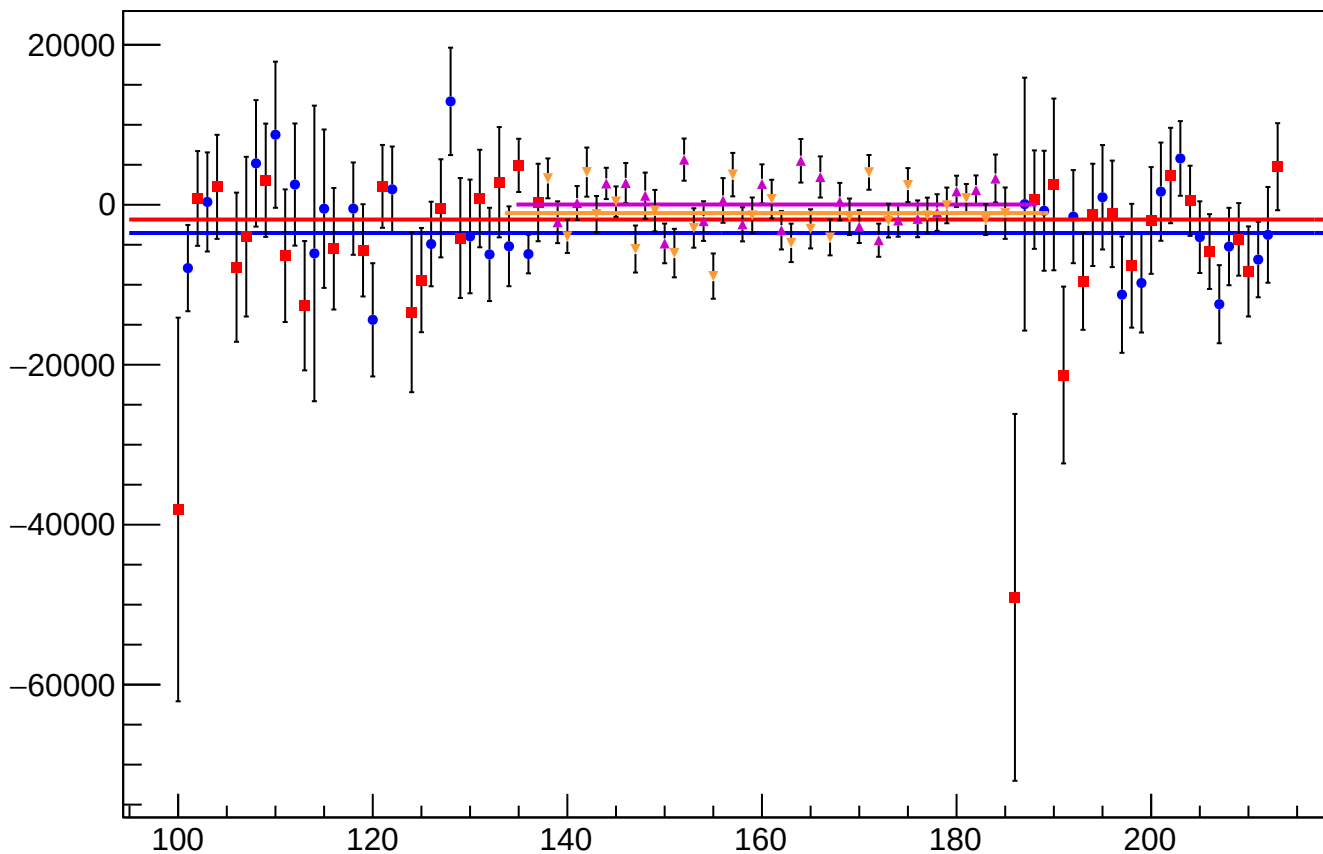
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269669.5/22

+ sign 313.388 $\pm$ 0.037 χ^2 /NDF: 2098689.5/53

All: 316.418 $\pm$ 0.027 χ^2 /NDF: 4968328.8/110

- sign 319.564 $\pm$ 0.038 χ^2 /NDF: 2856081.6/56

asym_sam2_dit_correction_mean vs Slug



Right In: -3530.826 ± 1041.751 χ^2/NDF : 27.6/28

Left Out: -1036.592 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -1845.601 ± 1074.006 χ^2/NDF : 29.9/33

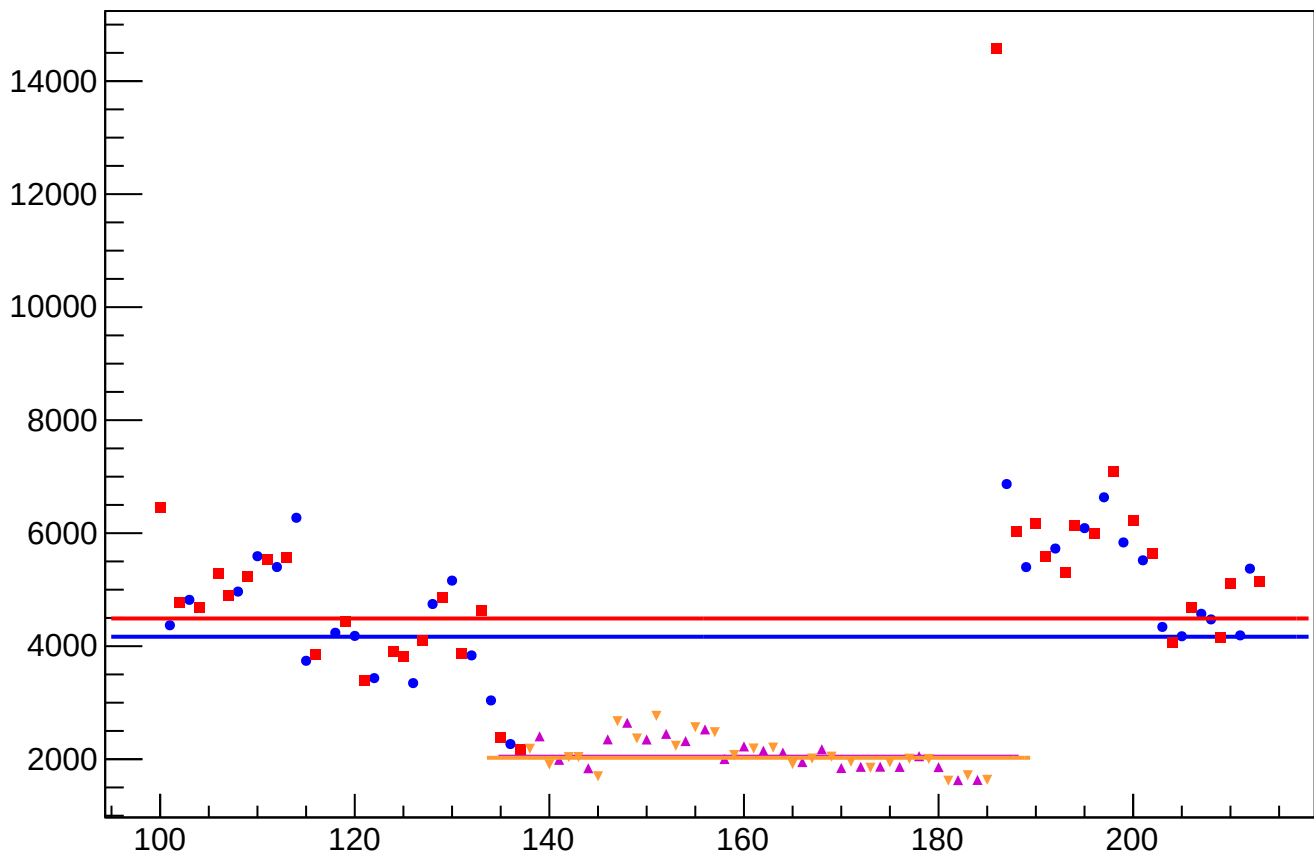
Left In: 30.393 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1451.463 ± 424.866 χ^2/NDF : 72.7/53

All: -888.298 ± 305.622 χ^2/NDF : 142.9/110

- sign -284.411 ± 439.958 χ^2/NDF : 66.5/56

asym_sam2_dit_correction_rms vs Slug



Right In: 4167.126 $\pm$ 0.737 χ^2/NDF : 2666718.8/28

Left Out: 2025.085 $\pm$ 0.329 χ^2/NDF : 700821.6/24

Right Out: 4490.053 $\pm$ 0.759 χ^2/NDF : 2926090.8/33

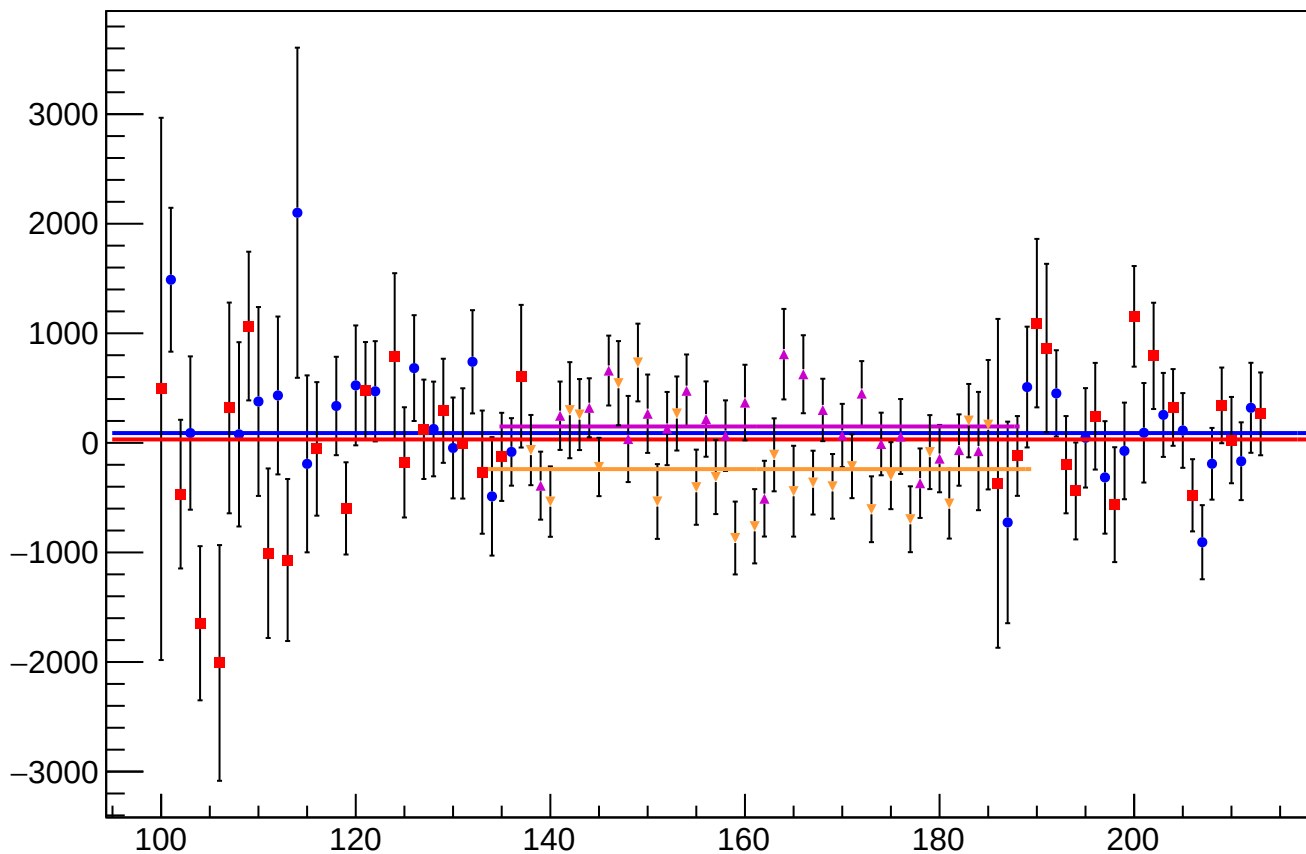
Left In: 2044.523 $\pm$ 0.341 χ^2/NDF : 584918.7/22

+ sign 2381.375 $\pm$ 0.300 χ^2/NDF : 10416921.4/53

All: 2416.854 $\pm$ 0.216 χ^2/NDF : 22586350.5/100

- sign 2454.899 $\pm$ 0.311 χ^2/NDF : 12140526.9/56

eigen_dit_asym_sam2_mean vs Slug



Right In: 89.463 $\pm$ 86.440 χ^2 /NDF: 26.8/28

Left Out: -239.552 $\pm$ 66.167 χ^2 /NDF:34.0/24

Right Out: 31.449 $\pm$ 86.506 χ^2 /NDF: 41.2/33

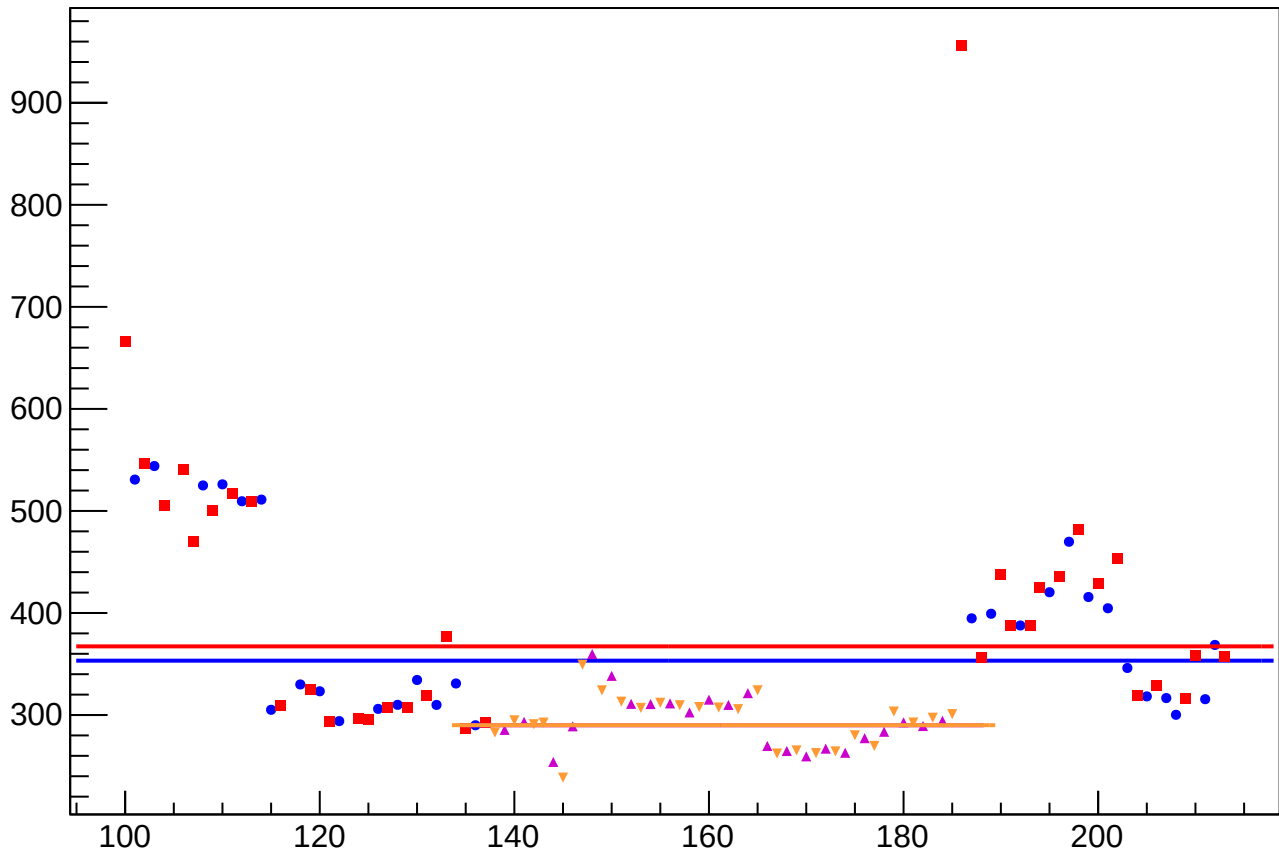
Left In: 149.517 $\pm$ 68.160 χ^2 /NDF:21.7/22

+ sign -117.994 $\pm$ 52.541 χ^2 /NDF: 70.0/53

All: -8.938 $\pm$ 37.500 χ^2 /NDF: 142.8/110

- sign 104.294 $\pm$ 53.538 χ^2 /NDF: 64.1/56

eigen_dit_asym_sam2_rms vs Slug



Right In: 353.263+/-0.061 χ^2/NDF : 1143026.7/28

Left Out: 290.023+/-0.047 χ^2/NDF : 280652.8/24

Right Out: 367.280+/-0.061 χ^2/NDF : 1600119.0/33

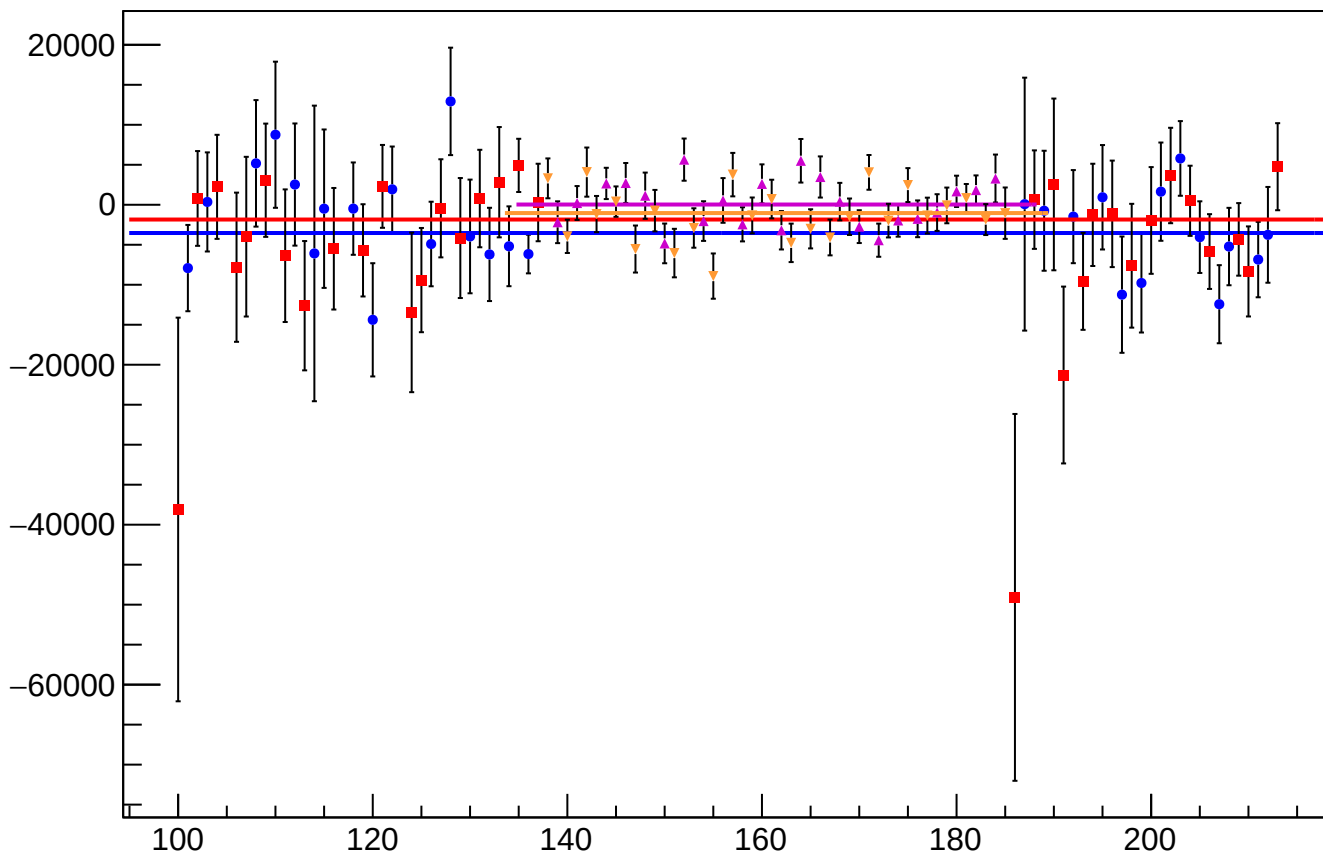
Left In: 289.941+/-0.048 χ^2/NDF : 269671.9/22

+ sign 313.388+/-0.037 χ^2/NDF : 2098675.2/53

All: 316.418+/-0.027 χ^2/NDF : 4968299.7/110

- sign 319.564+/-0.038 χ^2/NDF : 2856066.6/56

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3530.820 $\pm$ 1041.750 χ^2/NDF : 27.6/28

Left Out: -1036.591 $\pm$ 465.324 χ^2/NDF : 40.3/24

Right Out: -1845.601 $\pm$ 1074.006 χ^2/NDF : 29.9/33

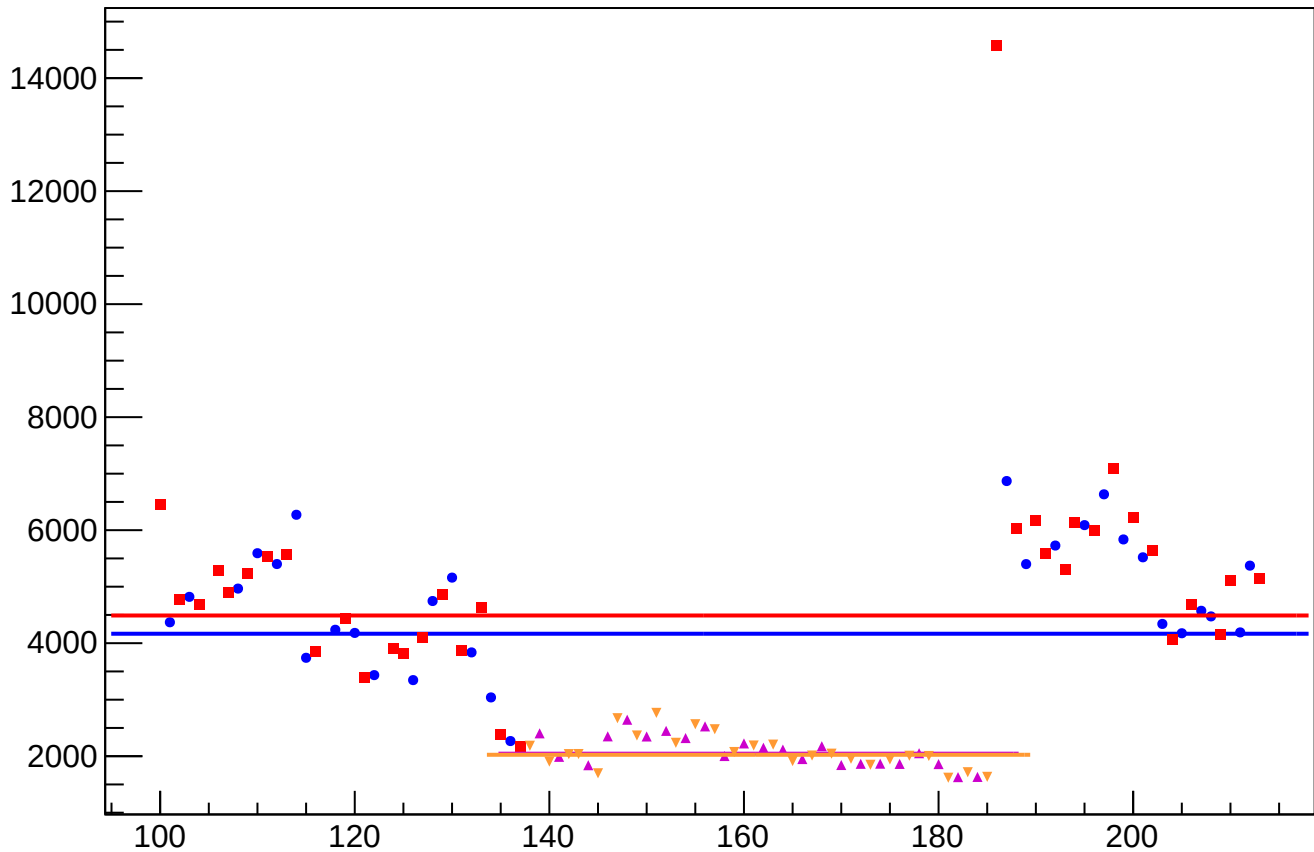
Left In: 30.392 $\pm$ 482.280 χ^2/NDF : 34.1/22

+ sign -1451.462 $\pm$ 424.866 χ^2/NDF : 72.7/53

All: -888.298 $\pm$ 305.622 χ^2/NDF : 142.9/110

- sign -284.413 $\pm$ 439.958 χ^2/NDF : 66.5/56

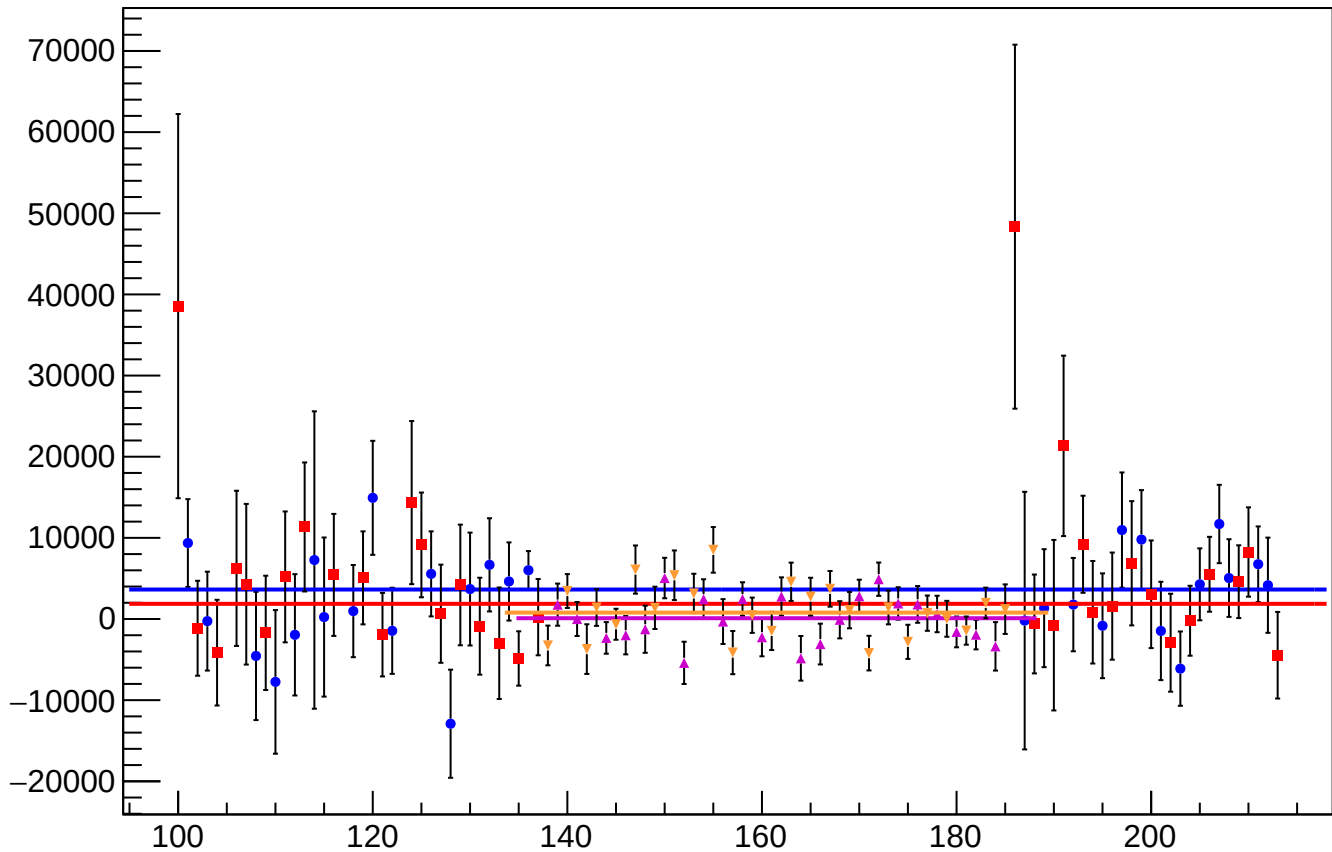
asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4167.123+/-0.737 χ^2/NDF : 2666711.4/28
 Left Out: 2025.085+/-0.329 χ^2/NDF : 700825.4/24
 Right Out: 4490.050+/-0.759 χ^2/NDF : 2926086.5/33
 Left In: 2044.522+/-0.341 χ^2/NDF : 584922.7/22

+ sign 2381.375+/-0.300 χ^2/NDF : 10416908.5/53
 All: 2416.854+/-0.216 χ^2/NDF : 22586329.9/100
 - sign 2454.899+/-0.311 χ^2/NDF : 12140519.6/56

asym_sam2_mean vs Slug



Right In: 3634.661 $\pm$ 1024.976 χ^2 /NDF: 27.8/28

Left Out: 788.321 $\pm$ 458.726 χ^2 /NDF: 41.3/24

Right Out: 1872.347 $\pm$ 1063.662 χ^2 /NDF: 28.7/33

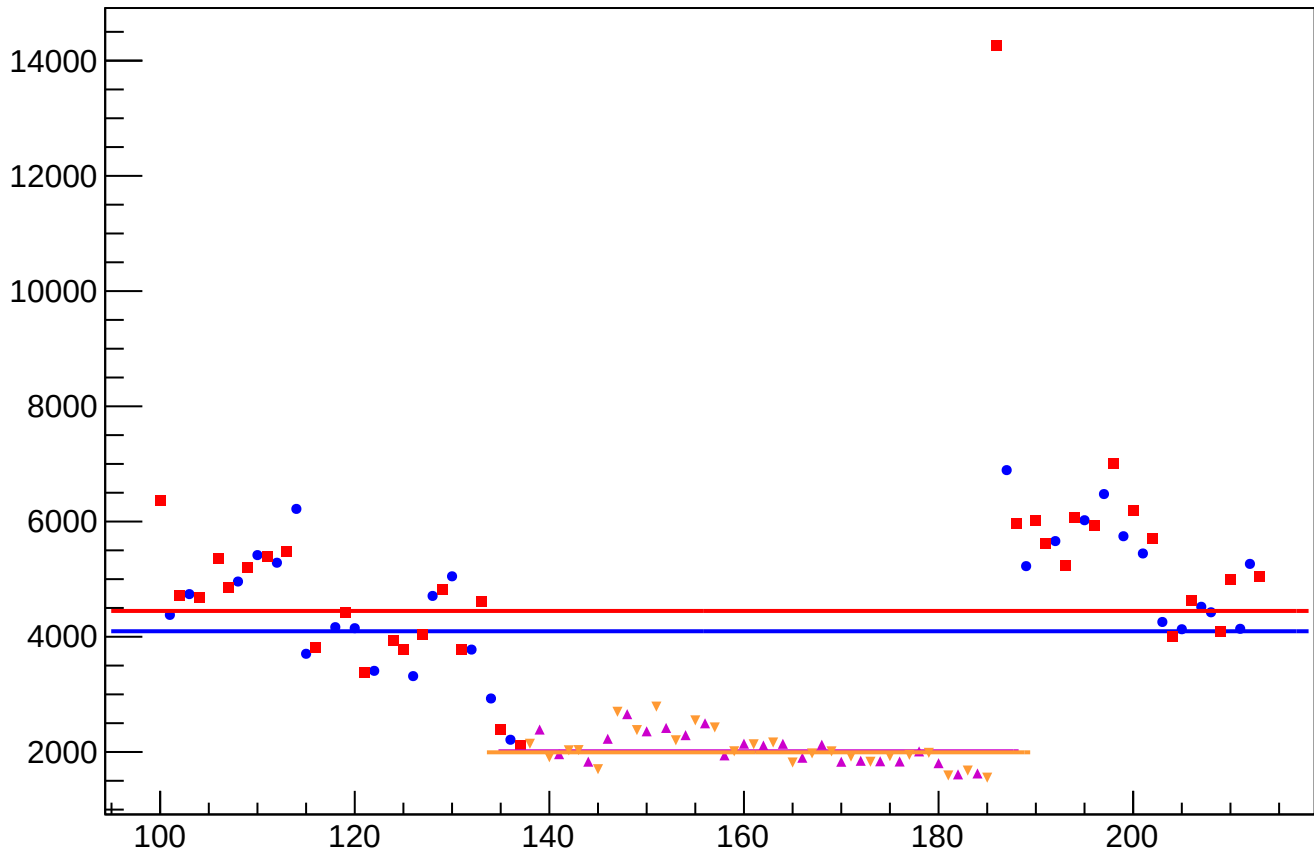
Left In: 96.730 $\pm$ 474.825 χ^2 /NDF: 32.8/22

+ sign 1263.302 $\pm$ 418.705 χ^2 /NDF: 75.5/53

All: 842.749 $\pm$ 301.192 χ^2 /NDF: 141.5/110

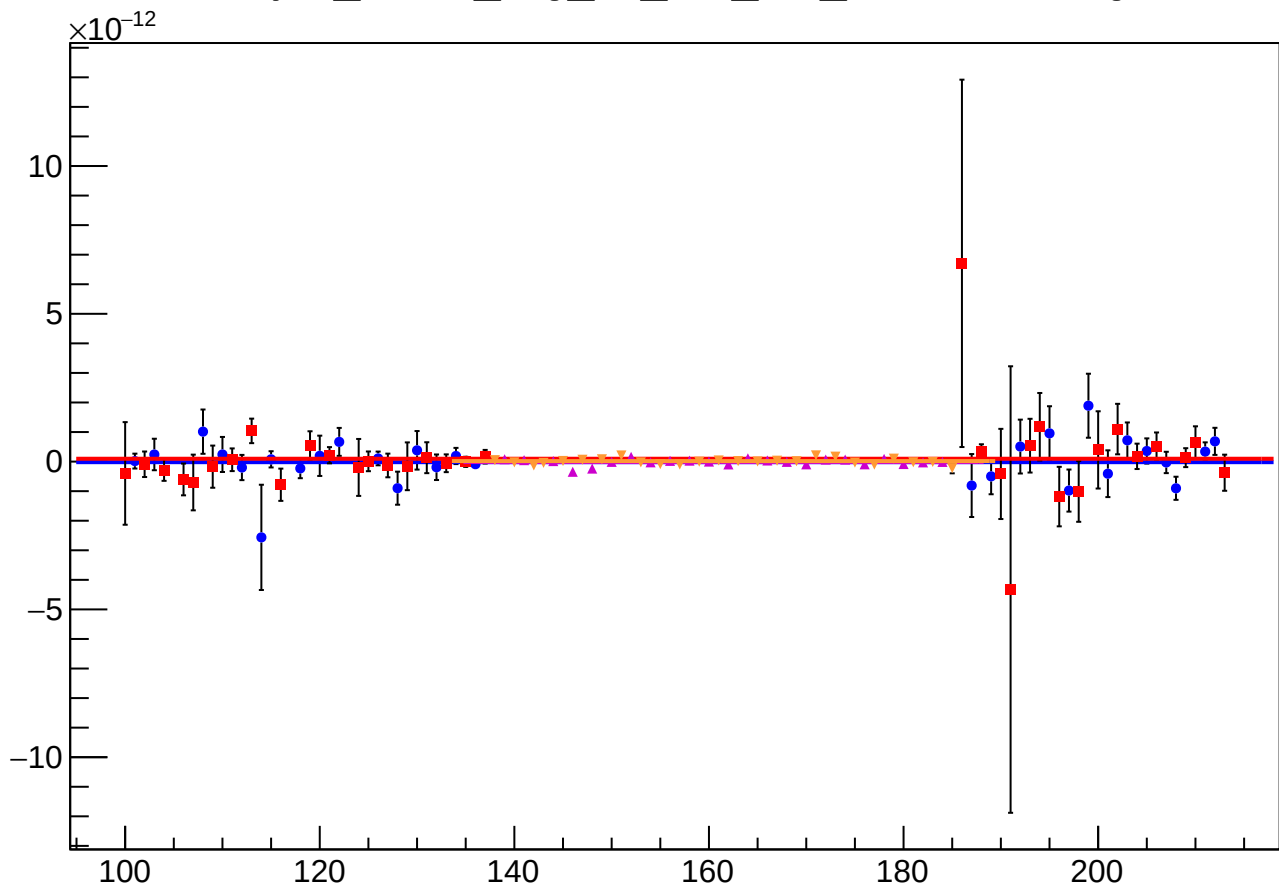
- sign 391.776 $\pm$ 433.584 χ^2 /NDF: 63.9/56

asym_sam2_rms vs Slug



Right In: 4095.769+/-0.725	χ^2/NDF : 2720365.5/28	+ sign 2344.936+/-0.296	χ^2/NDF : 10471439.9/53
Left Out: 1994.246+/-0.324	χ^2/NDF : 746498.4/24	All: 2379.897+/-0.213	χ^2/NDF : 22739704.7/1
Right Out: 4448.184+/-0.752	χ^2/NDF : 2908790.2/33	- sign 2417.386+/-0.307	χ^2/NDF : 12239369.4/56
Left In: 2012.692+/-0.336	χ^2/NDF : 587260.9/22		

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 30.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.8/33

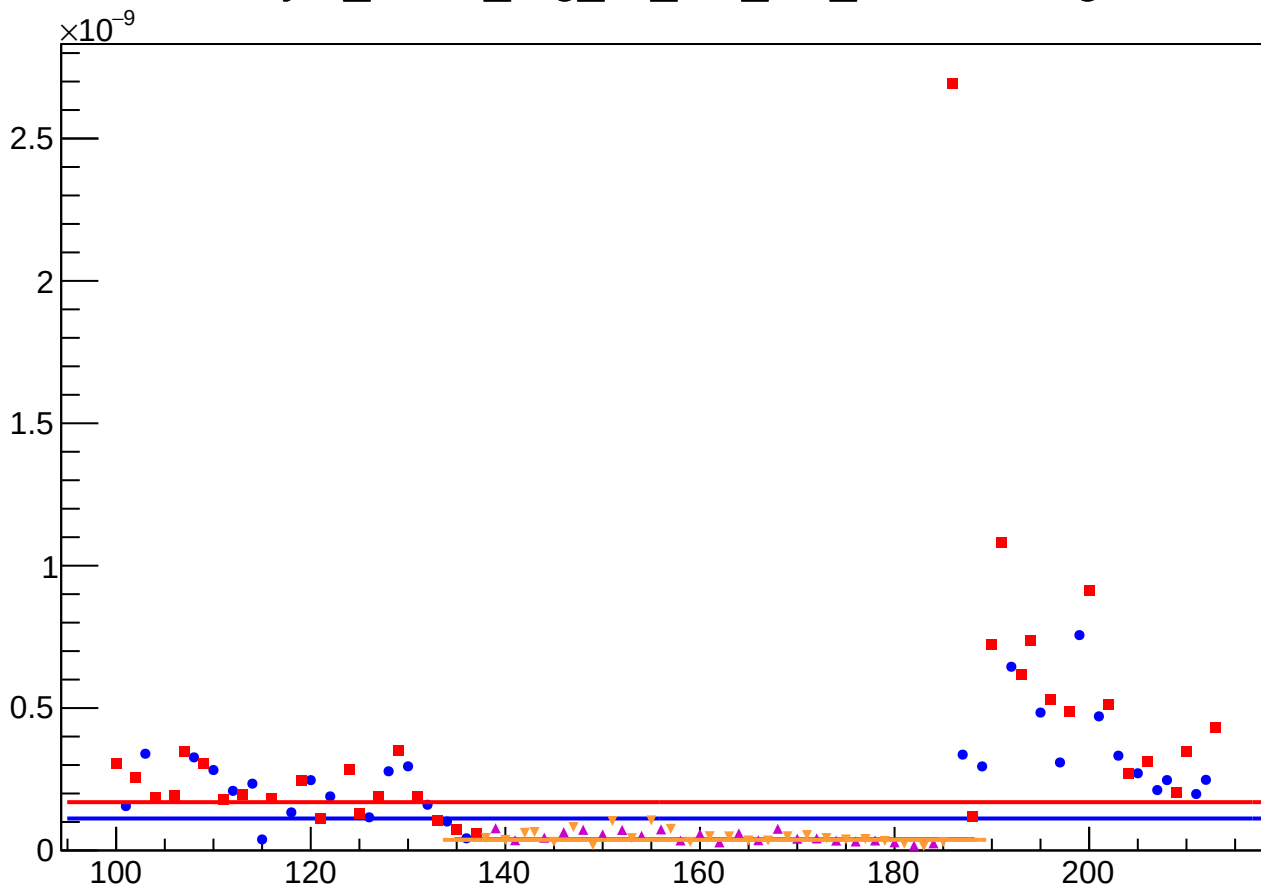
Left In: -0.000 ± 0.000 χ^2/NDF : 30.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 52.5/53

All: 0.000 ± 0.000 χ^2/NDF : 111.6/110

- sign -0.000 ± 0.000 χ^2/NDF : 57.7/56

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6985158.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5754569.9/33

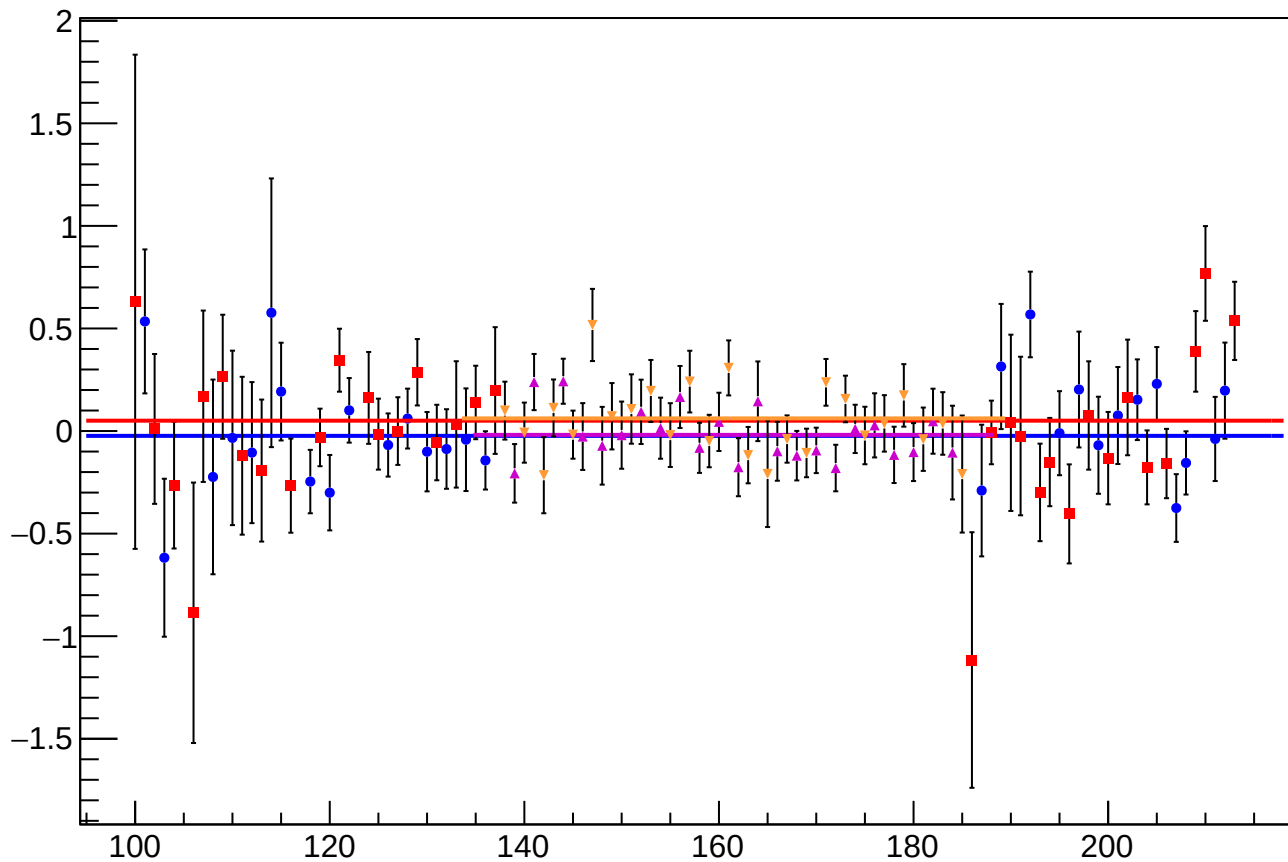
Left In: 0.000+/-0.000 χ^2/NDF : 1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 12652331.3/53

All: 0.000+/-0.000 χ^2/NDF : 26511649.5/110

- sign 0.000+/-0.000 χ^2/NDF : 13823475.7/56

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.023 ± 0.039 χ^2/NDF : 33.0/28

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.051 ± 0.039 χ^2/NDF : 47.5/33

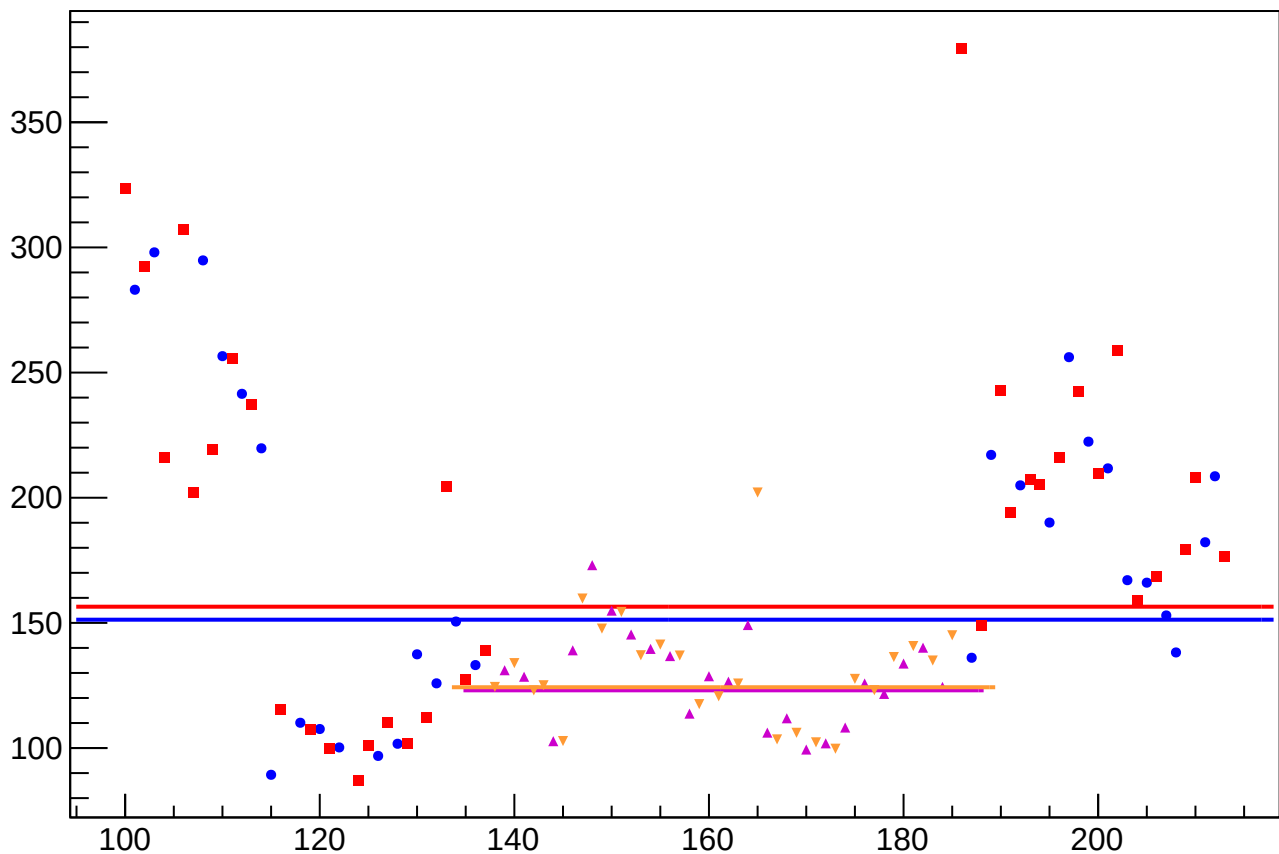
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.032 ± 0.023 χ^2/NDF : 63.5/53

All: 0.019 ± 0.016 χ^2/NDF : 133.9/110

- sign 0.007 ± 0.023 χ^2/NDF : 69.8/56

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 151.279 $\pm$ 0.027 χ^2 /NDF: 3292001.6/28

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 156.470 $\pm$ 0.027 χ^2 /NDF: 3864152.1/33

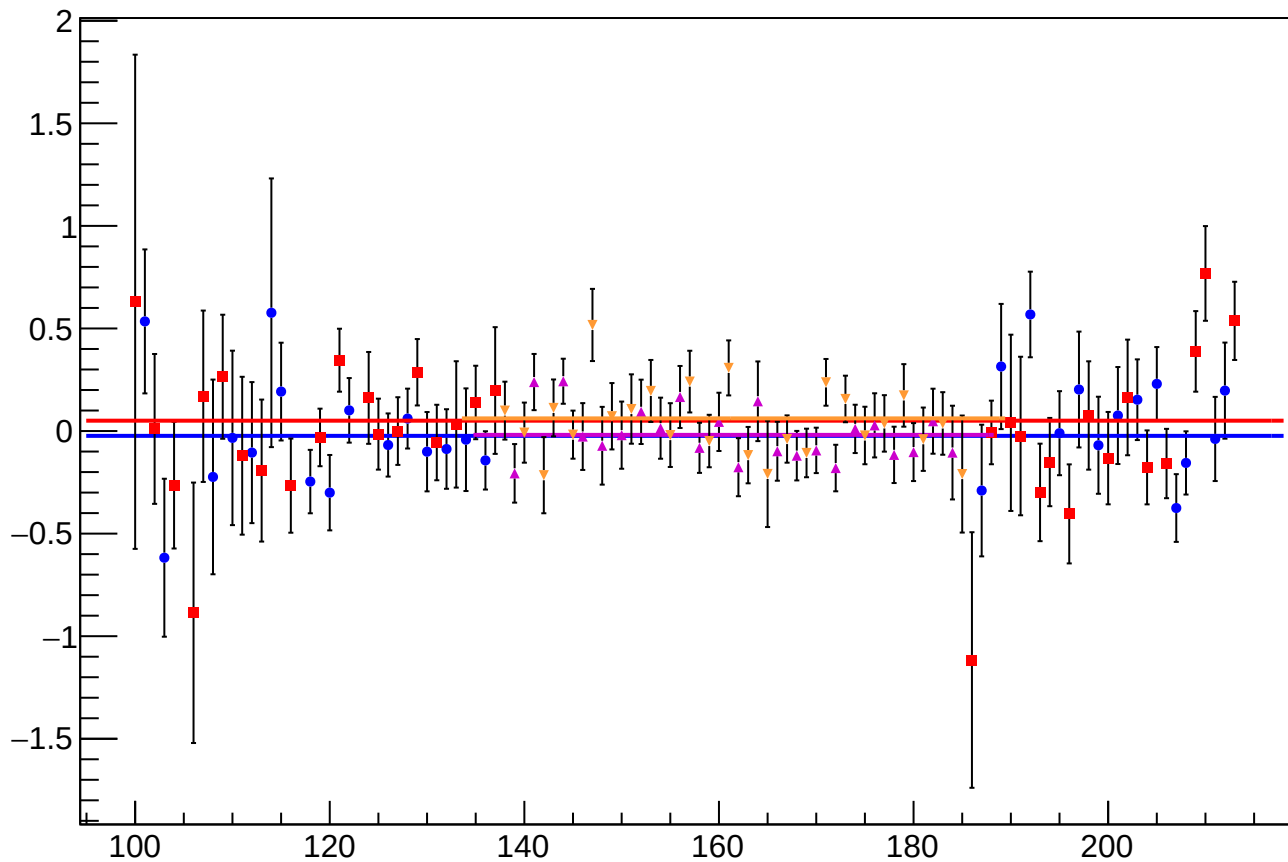
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 133.847 $\pm$ 0.016 χ^2 /NDF: 4759946.4/53

All: 134.569 $\pm$ 0.012 χ^2 /NDF: 10298120.7/11

- sign 135.309 $\pm$ 0.017 χ^2 /NDF: 5534205.6/56

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023 ± 0.039 $\chi^2/\text{NDF}: 33.0/28$

Left Out: 0.062 ± 0.029 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 0.051 ± 0.039 $\chi^2/\text{NDF}: 47.5/33$

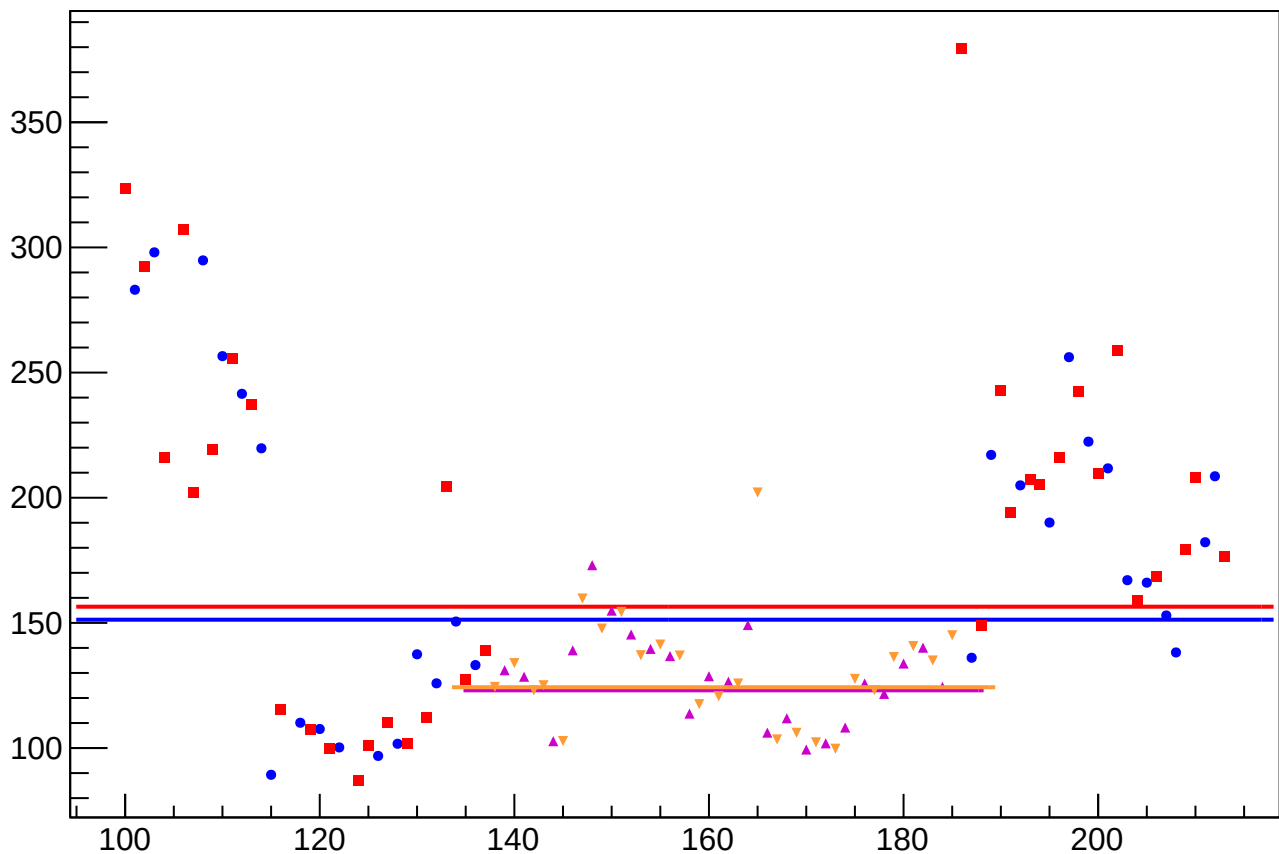
Left In: -0.019 ± 0.029 $\chi^2/\text{NDF}: 20.3/22$

+ sign 0.032 ± 0.023 $\chi^2/\text{NDF}: 63.5/53$

All: 0.019 ± 0.016 $\chi^2/\text{NDF}: 133.9/110$

- sign 0.007 ± 0.023 $\chi^2/\text{NDF}: 69.8/56$

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.279 $\pm$ 0.027 χ^2 /NDF: 3292001.6/28

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF:840983.3/24

Right Out: 156.470 $\pm$ 0.027 χ^2 /NDF: 3864152.1/33

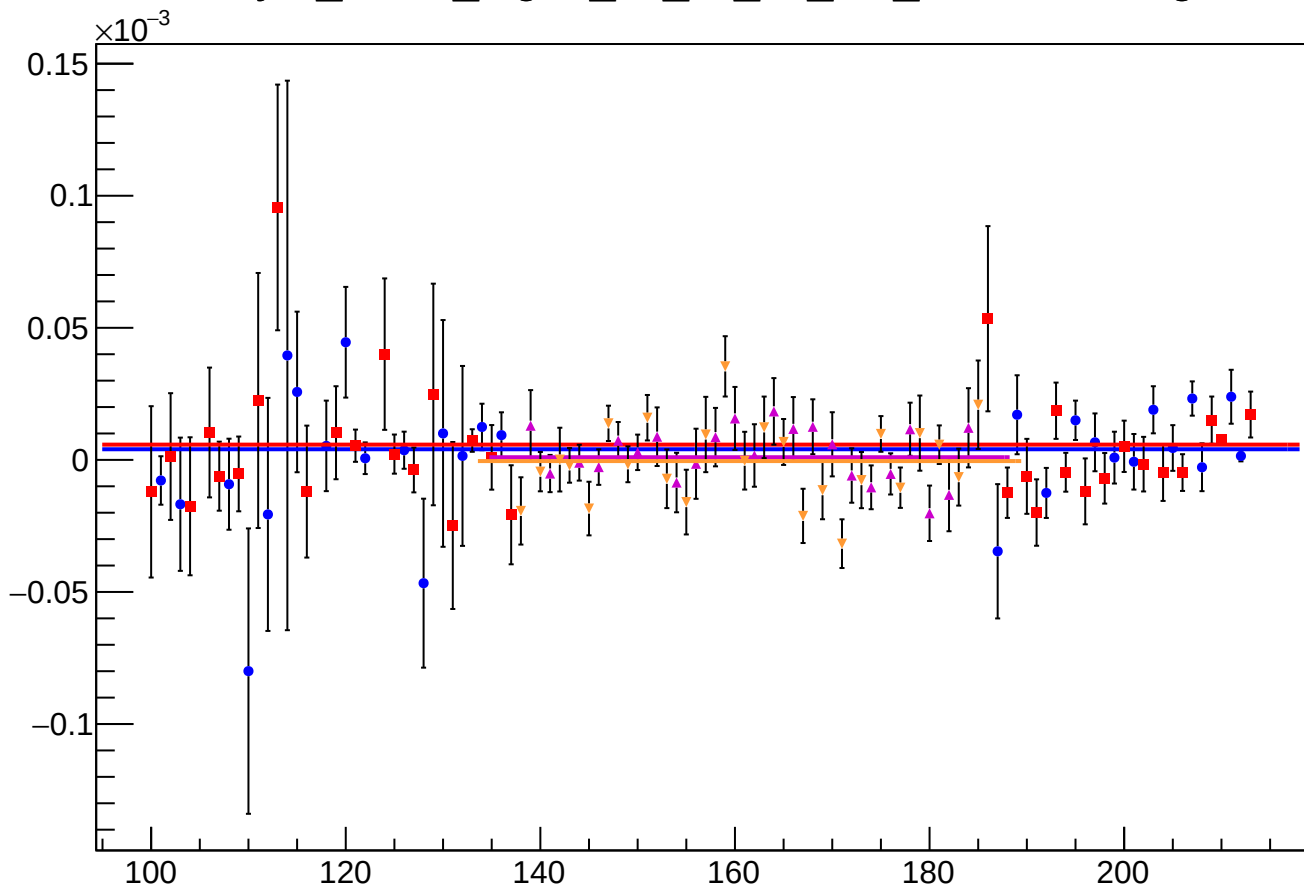
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF:718821.1/22

+ sign 133.847 $\pm$ 0.016 χ^2 /NDF: 4759946.4/53

All: 134.569 $\pm$ 0.012 χ^2 /NDF: 10298120.7/11

- sign 135.309 $\pm$ 0.017 χ^2 /NDF: 5534205.6/56

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.3/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:52.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.2/33

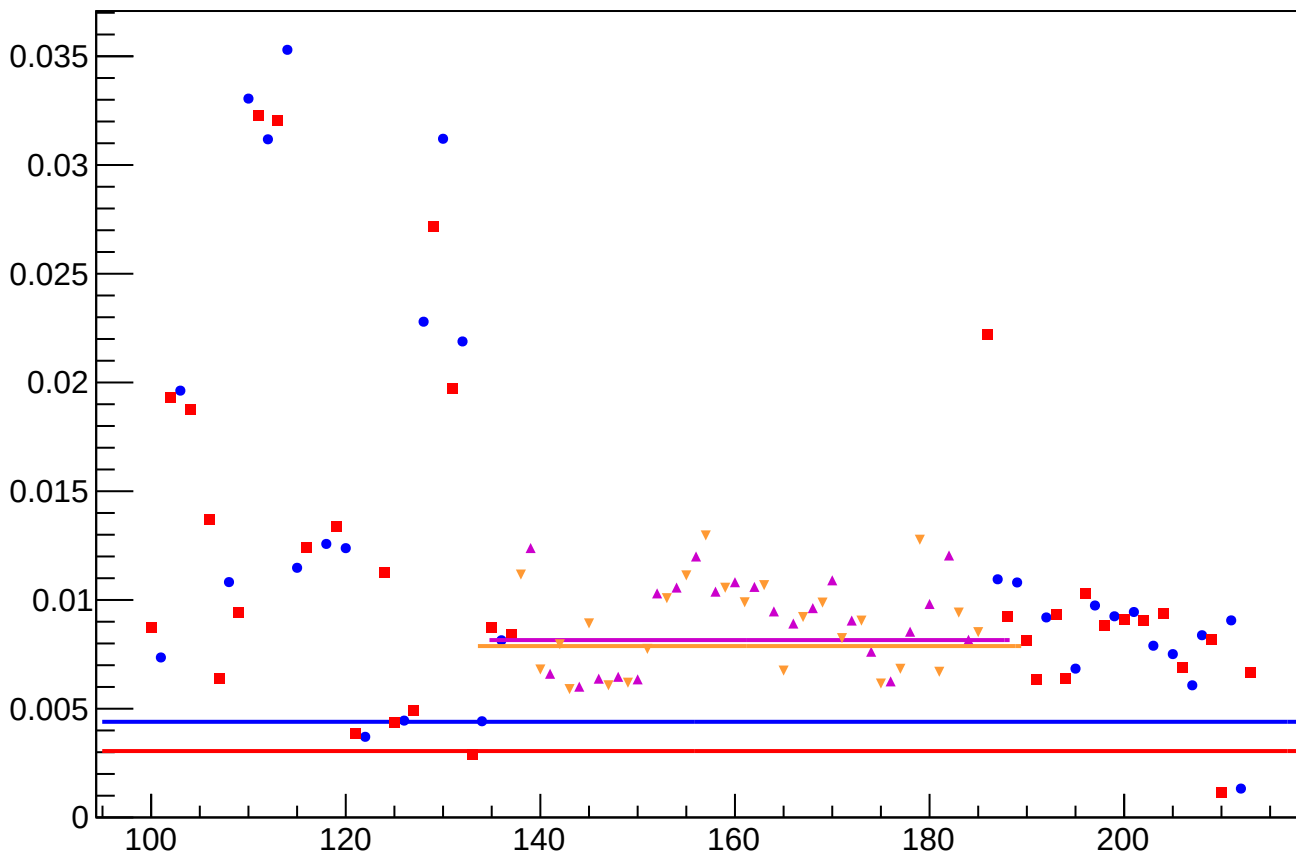
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 96.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 163.6/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.6/56

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 14602472.4/28

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 2076596.0/24

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 19471447.4/33

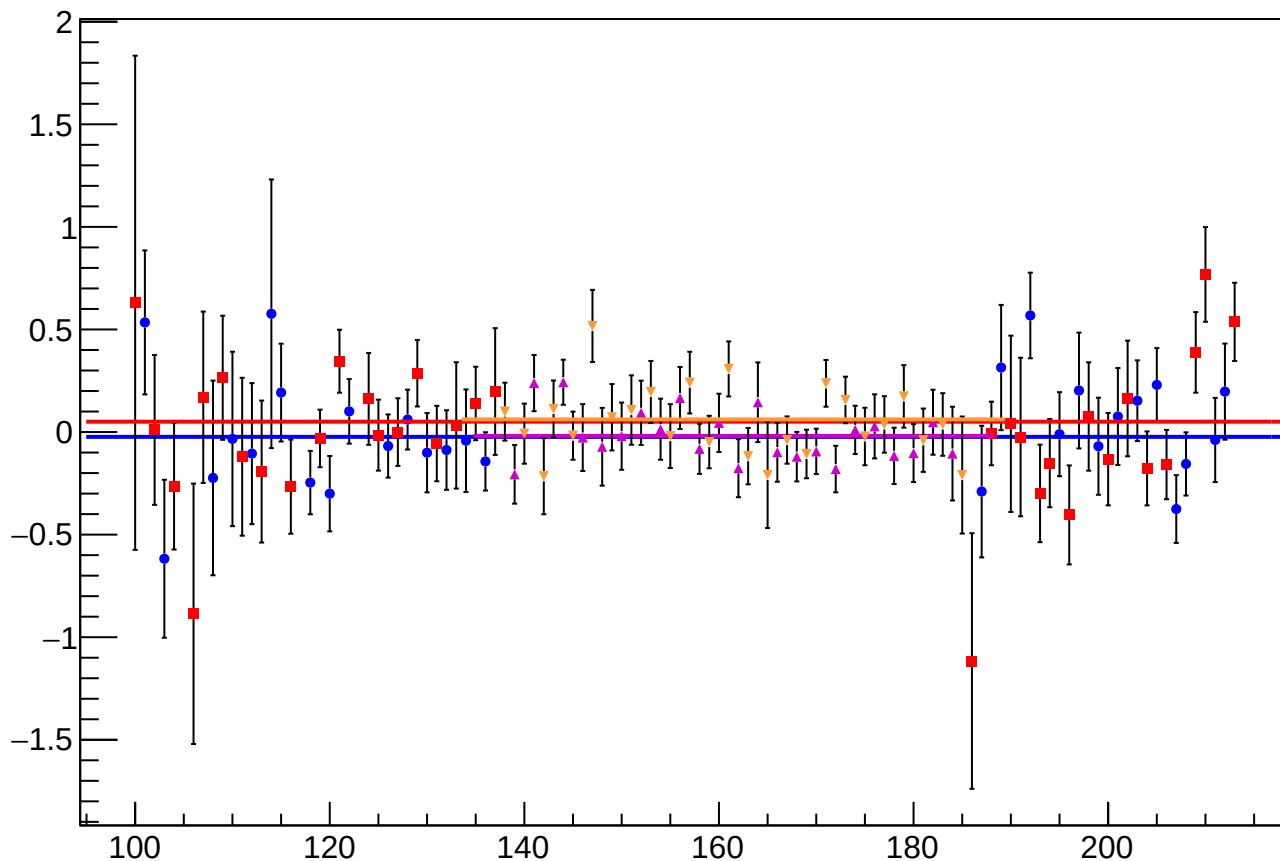
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 2017677.5/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 21059992.1/53

All: 0.005 $\pm$ 0.000 χ^2/NDF : 54830463.0/110

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 31706890.8/56

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.023 ± 0.039 $\chi^2/\text{NDF}: 33.0/28$

Left Out: 0.062 ± 0.029 $\chi^2/\text{NDF}: 27.4/24$

Right Out: 0.051 ± 0.039 $\chi^2/\text{NDF}: 47.5/33$

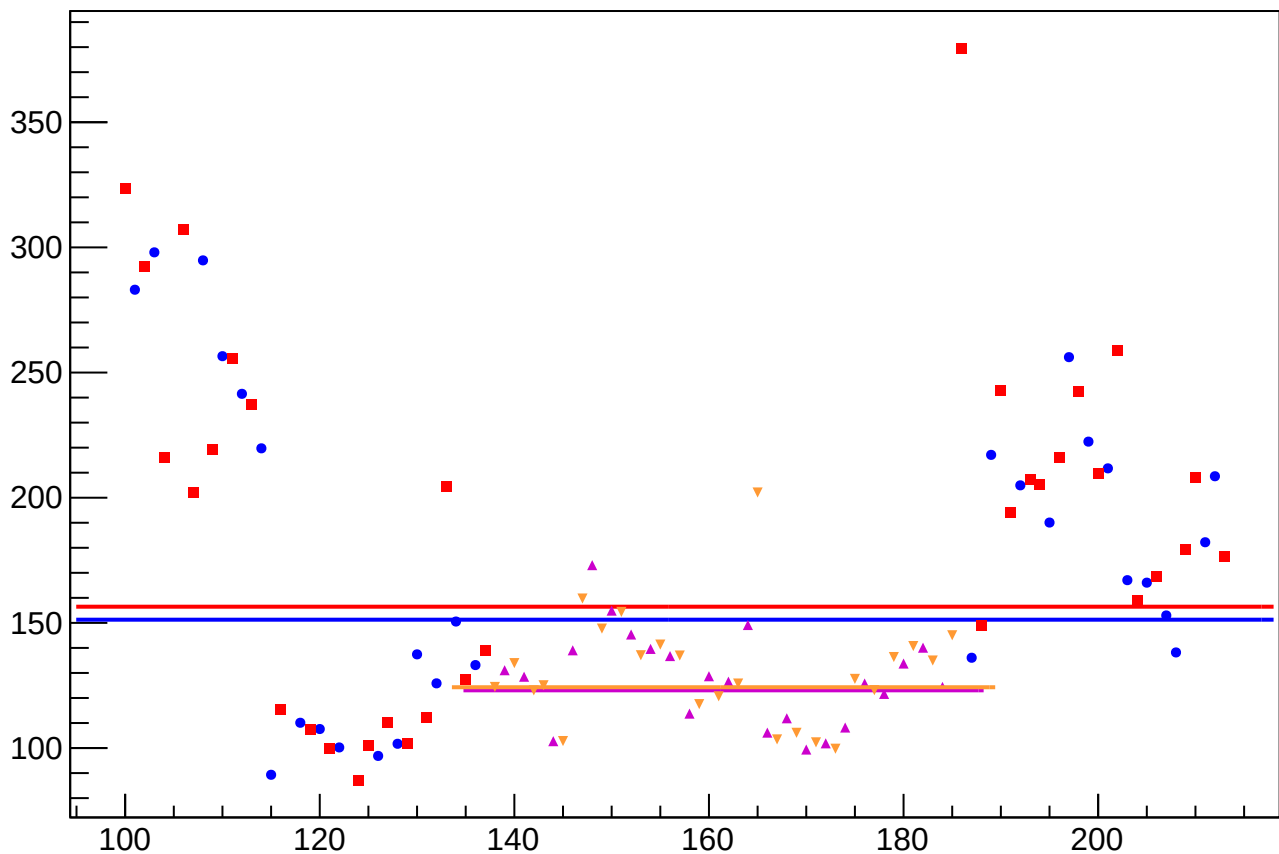
Left In: -0.019 ± 0.029 $\chi^2/\text{NDF}: 20.3/22$

+ sign 0.032 ± 0.023 $\chi^2/\text{NDF}: 63.5/53$

All: 0.019 ± 0.016 $\chi^2/\text{NDF}: 133.9/110$

- sign 0.007 ± 0.023 $\chi^2/\text{NDF}: 69.8/56$

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 151.276 $\pm$ 0.027 χ^2 /NDF: 3292080.0/28

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 841035.9/24

Right Out: 156.468 $\pm$ 0.027 χ^2 /NDF: 3864294.2/33

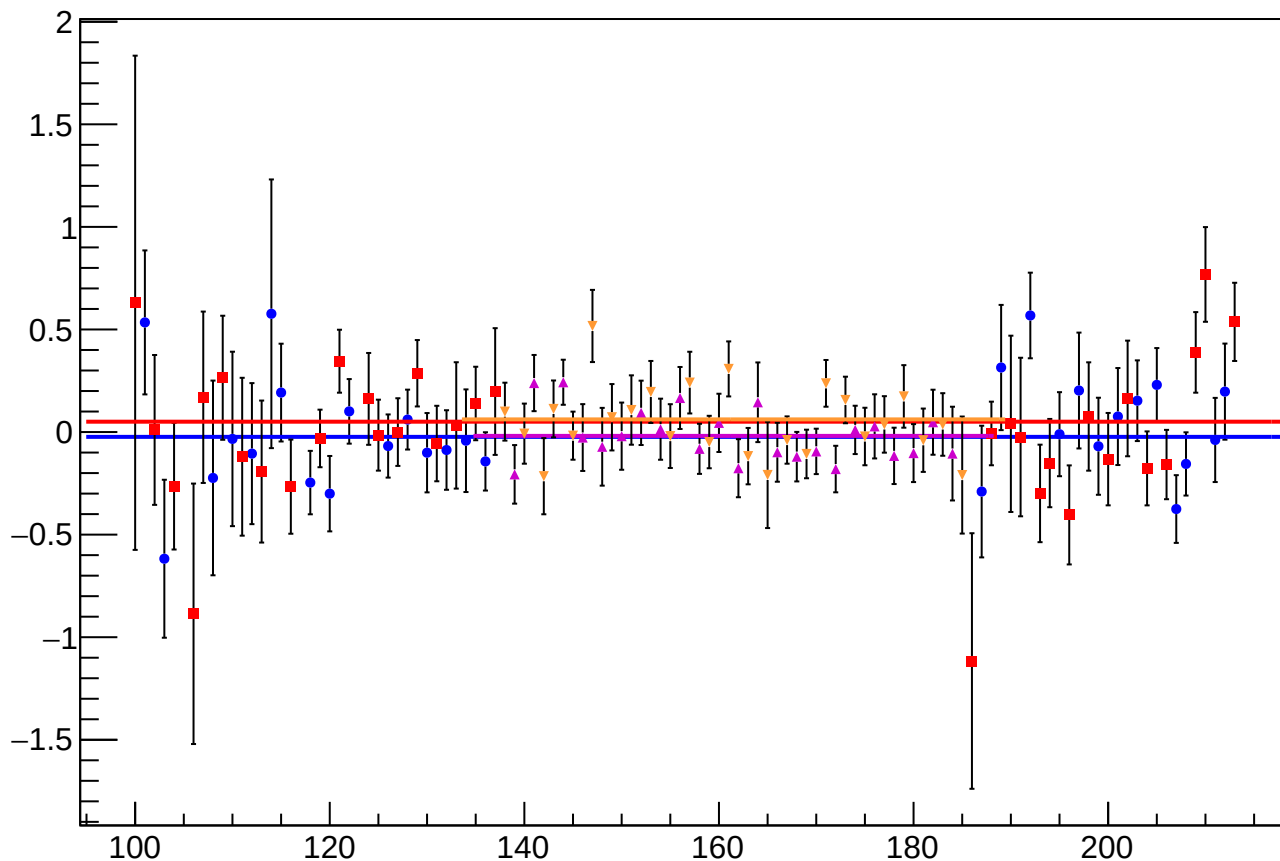
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718844.3/22

+ sign 133.847 $\pm$ 0.016 χ^2 /NDF: 4759989.1/53

All: 134.568 $\pm$ 0.012 χ^2 /NDF: 10298223.1/11

- sign 135.308 $\pm$ 0.017 χ^2 /NDF: 5534265.9/56

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023 ± 0.039 χ^2/NDF : 33.0/28

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.051 ± 0.039 χ^2/NDF : 47.5/33

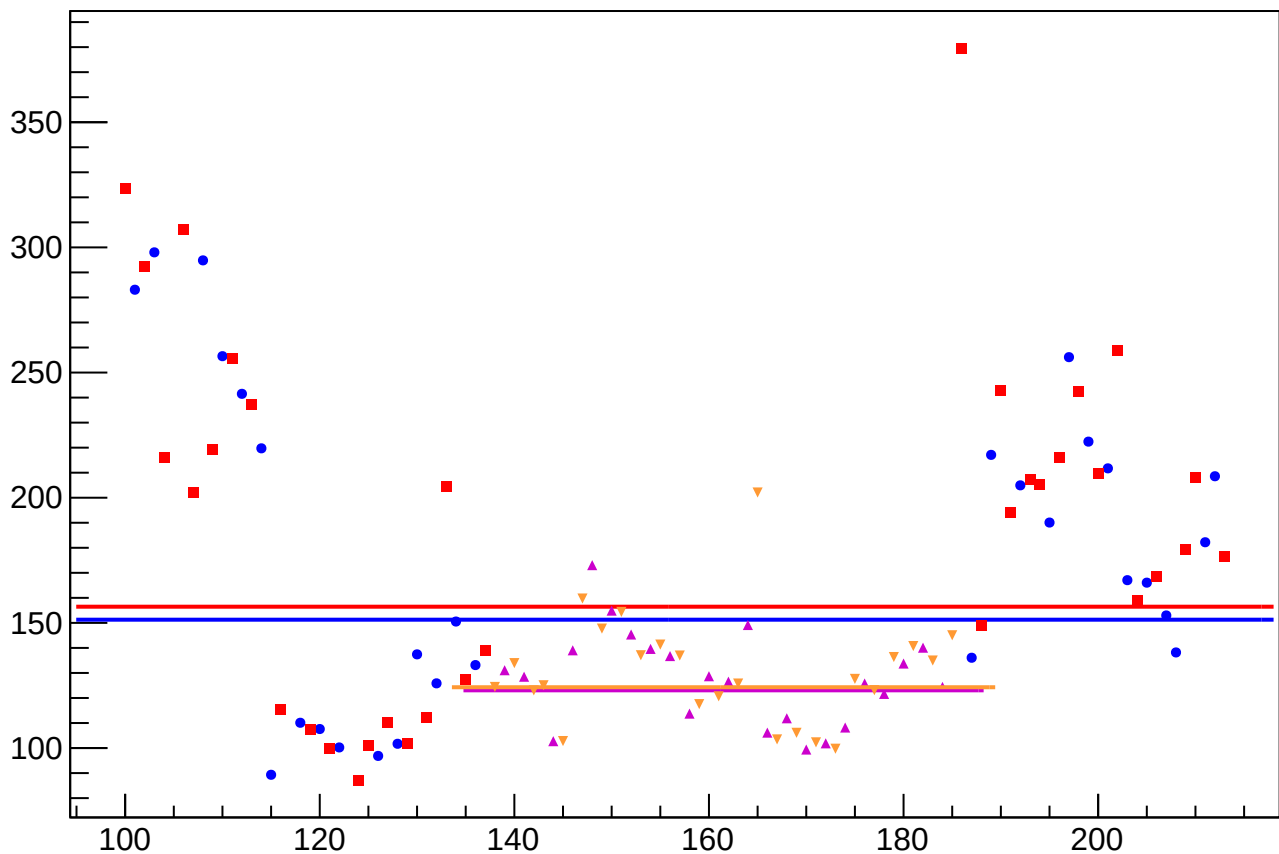
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.032 ± 0.023 χ^2/NDF : 63.5/53

All: 0.019 ± 0.016 χ^2/NDF : 133.9/110

- sign 0.007 ± 0.023 χ^2/NDF : 69.8/56

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.276 $\pm$ 0.027 χ^2 /NDF: 3292080.0/28

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 841035.9/24

Right Out: 156.468 $\pm$ 0.027 χ^2 /NDF: 3864294.2/33

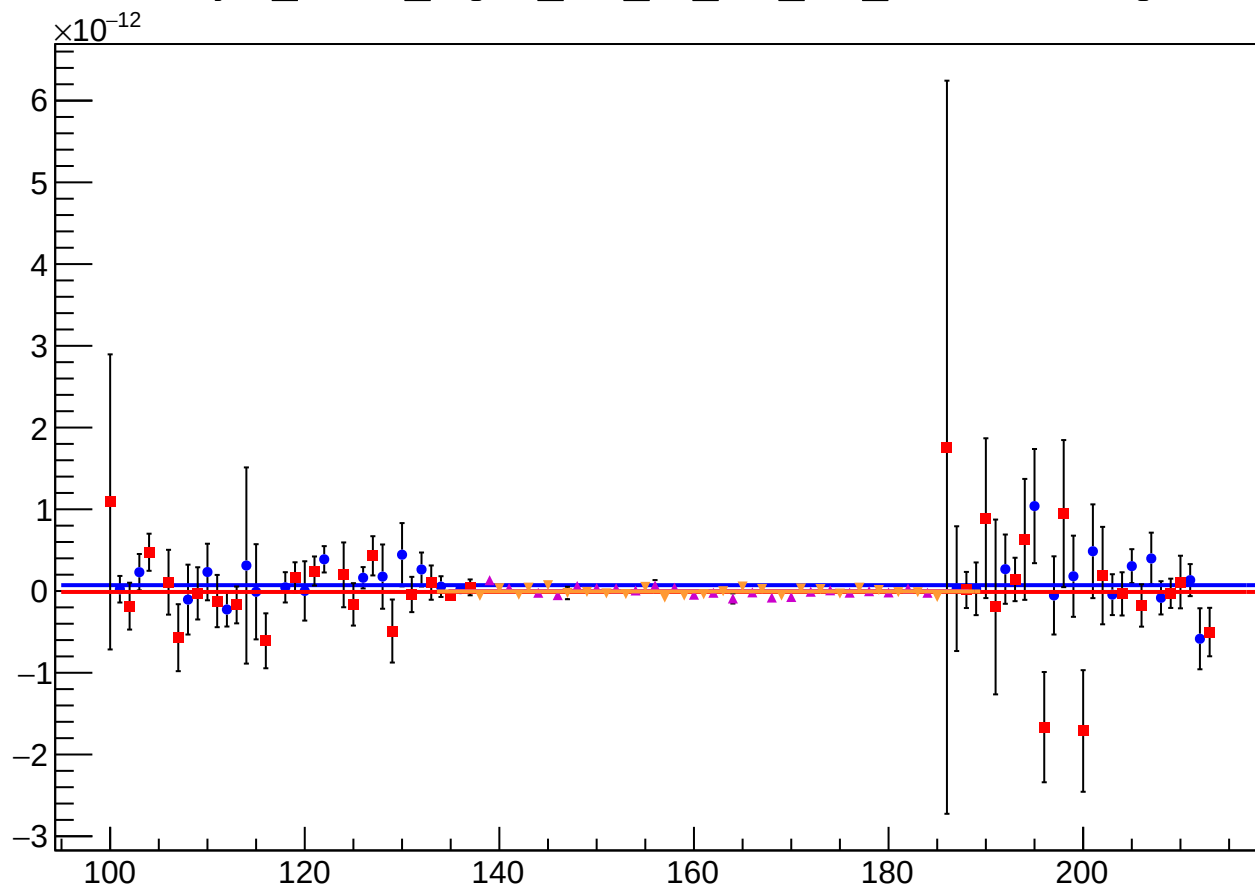
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718844.3/22

+ sign 133.847 $\pm$ 0.016 χ^2 /NDF: 4759989.1/53

All: 134.568 $\pm$ 0.012 χ^2 /NDF: 10298223.1/11

- sign 135.308 $\pm$ 0.017 χ^2 /NDF: 5534265.9/56

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.7/33

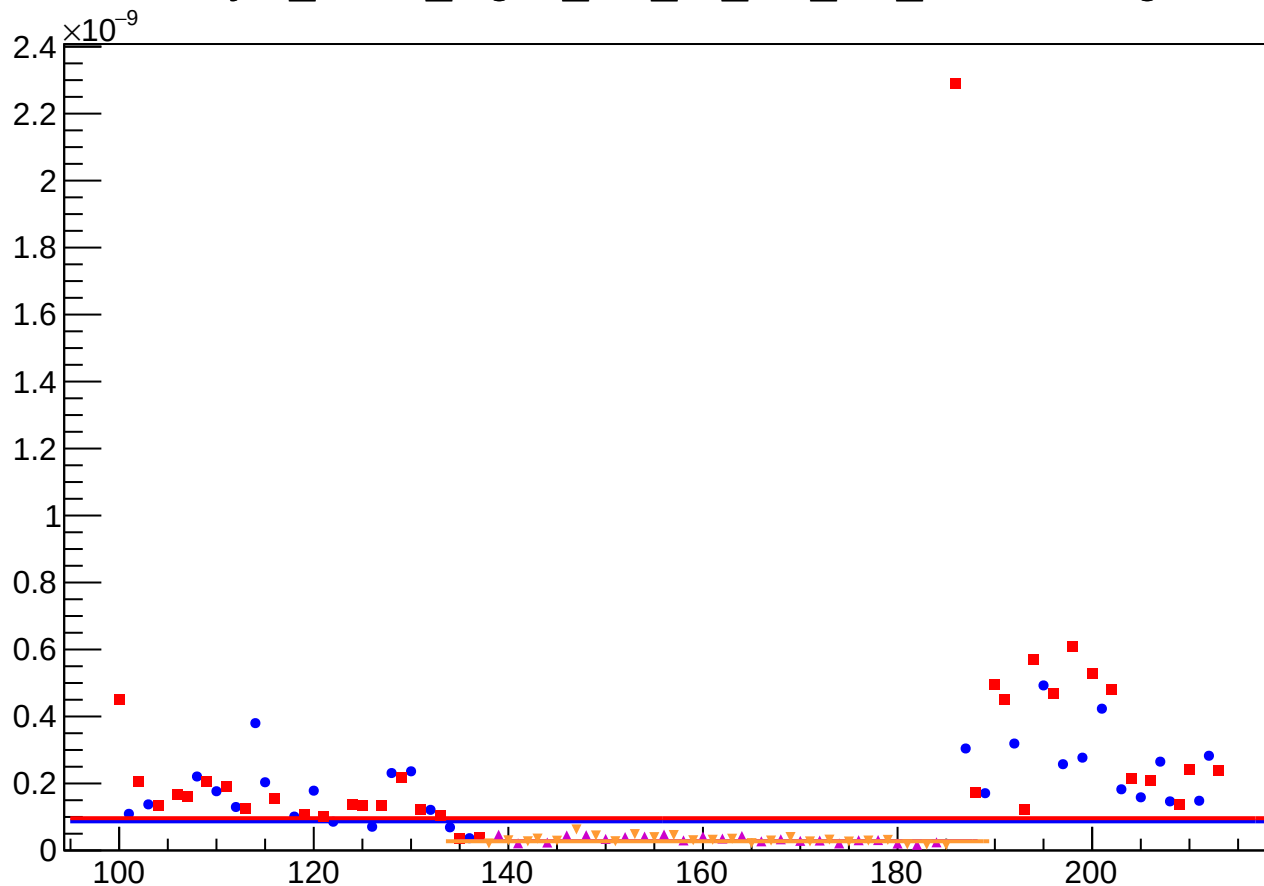
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 49.0/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 112.4/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 63.4/56

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8689445.4/28

Left Out: 0.000+/-0.000 χ^2/NDF :2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10931756.0/33

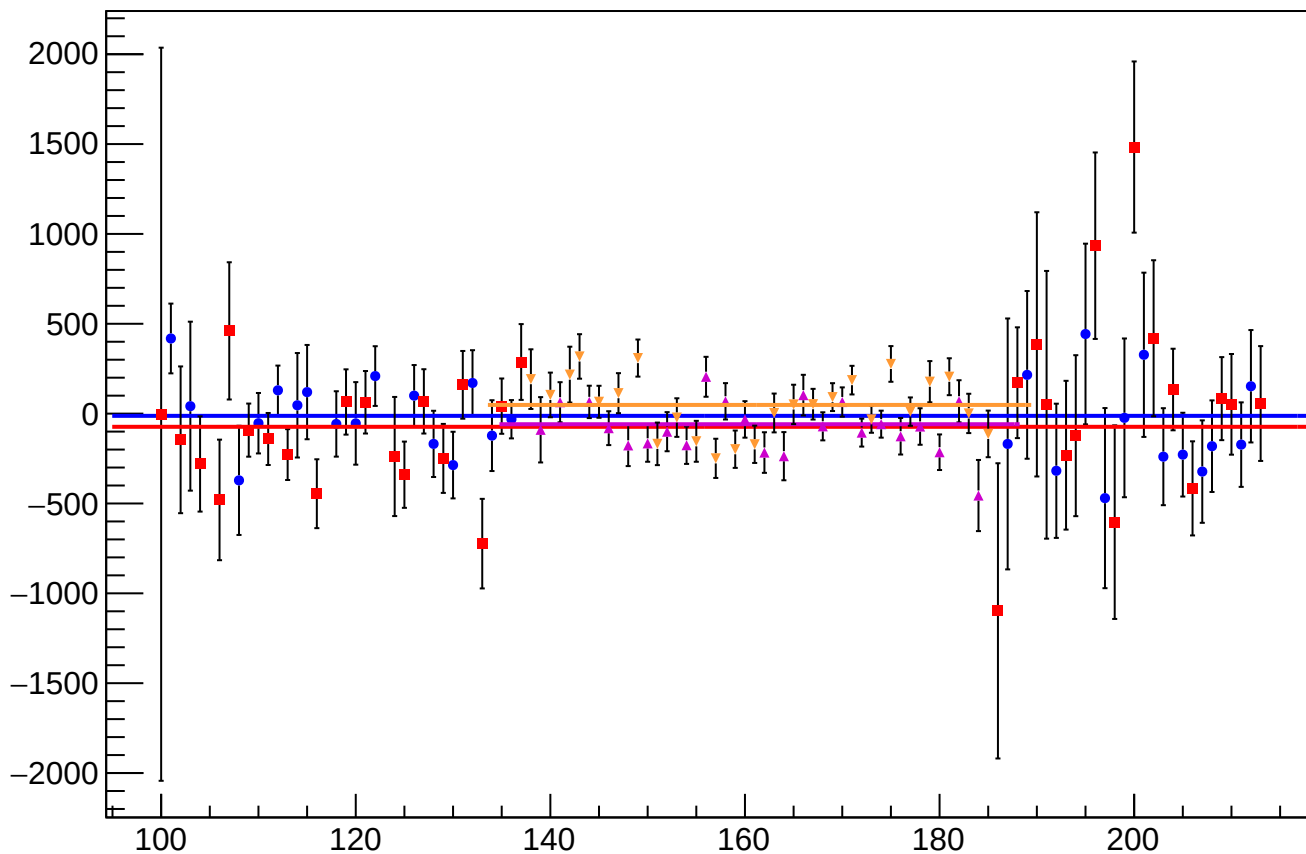
Left In: 0.000+/-0.000 χ^2/NDF :2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 17127905.9/53

All: 0.000+/-0.000 χ^2/NDF : 37058264.2/110

- sign 0.000+/-0.000 χ^2/NDF : 19914605.3/56

reg_asym_sam3_mean vs Slug



Right In: -12.379 ± 40.874 χ^2/NDF : 21.4/28

Left Out: 48.392 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -73.344 ± 41.002 χ^2/NDF : 48.9/33

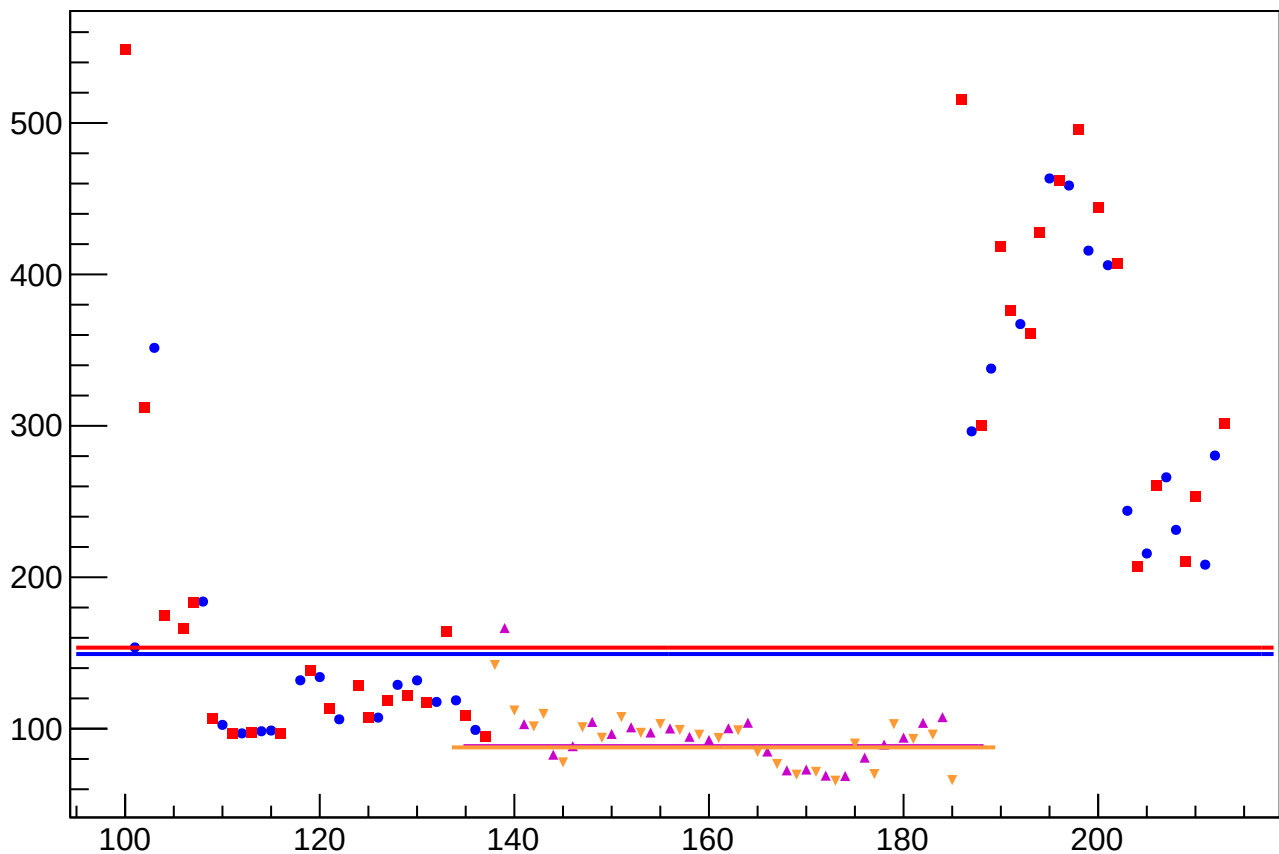
Left In: -59.014 ± 21.156 χ^2/NDF : 30.6/22

+ sign 36.251 ± 18.269 χ^2/NDF : 76.7/53

All: -11.479 ± 13.102 χ^2/NDF : 170.4/110

- sign -62.027 ± 18.801 χ^2/NDF : 79.6/56

reg_asym_sam3_rms vs Slug



Right In: 149.290 $\pm$ 0.029 χ^2 /NDF: 7278679.6/28

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 153.519 $\pm$ 0.029 χ^2 /NDF: 8908426.4/33

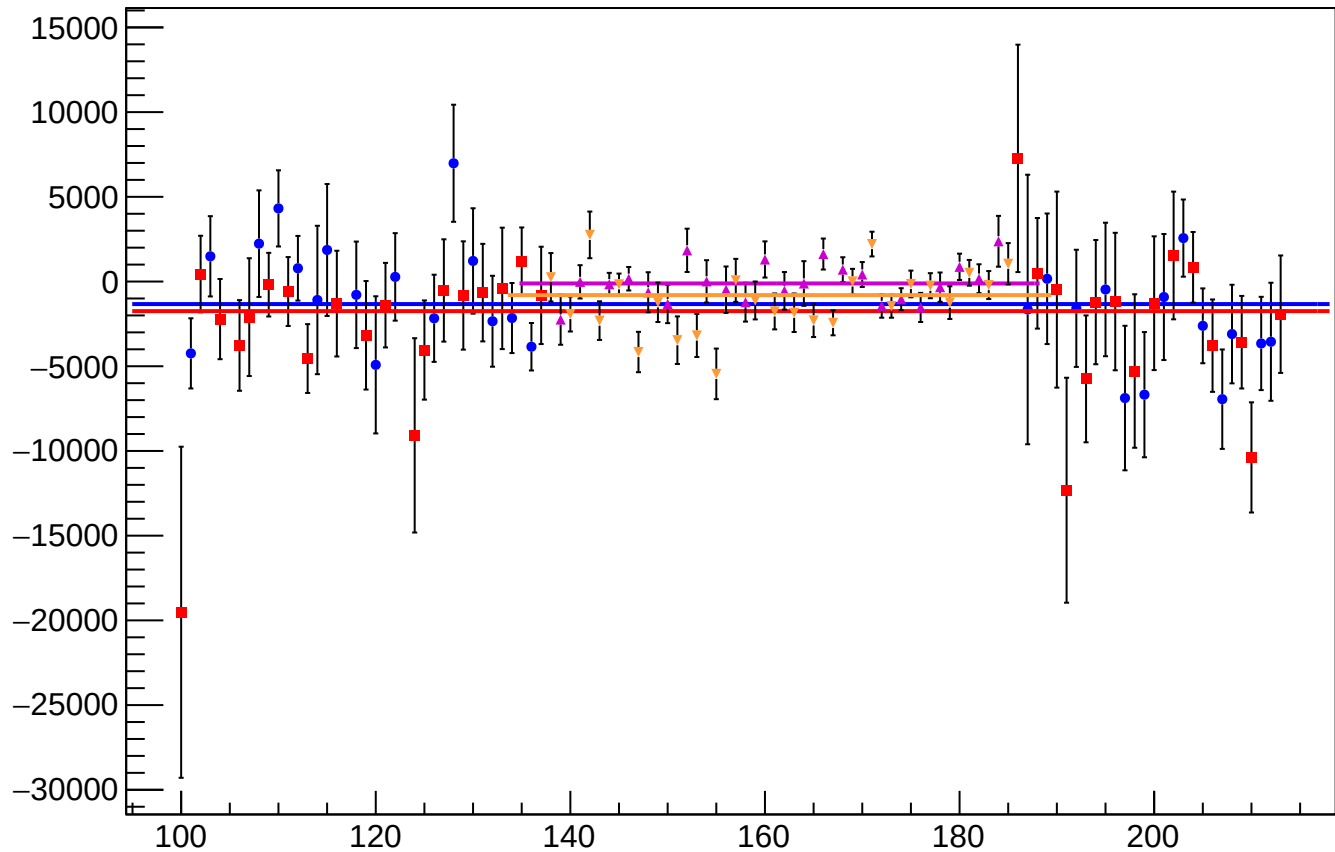
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 99.969 $\pm$ 0.013 χ^2 /NDF: 12130947.1/53

All: 101.032 $\pm$ 0.009 χ^2 /NDF: 26103008.2/1

- sign 102.157 $\pm$ 0.013 χ^2 /NDF: 13958130.0/56

asym_sam3_reg_correction_mean vs Slug



Right In: -1330.389 ± 505.512 χ^2/NDF : 36.6/28

Left Out: -801.506 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1746.282 ± 506.700 χ^2/NDF : 30.1/33

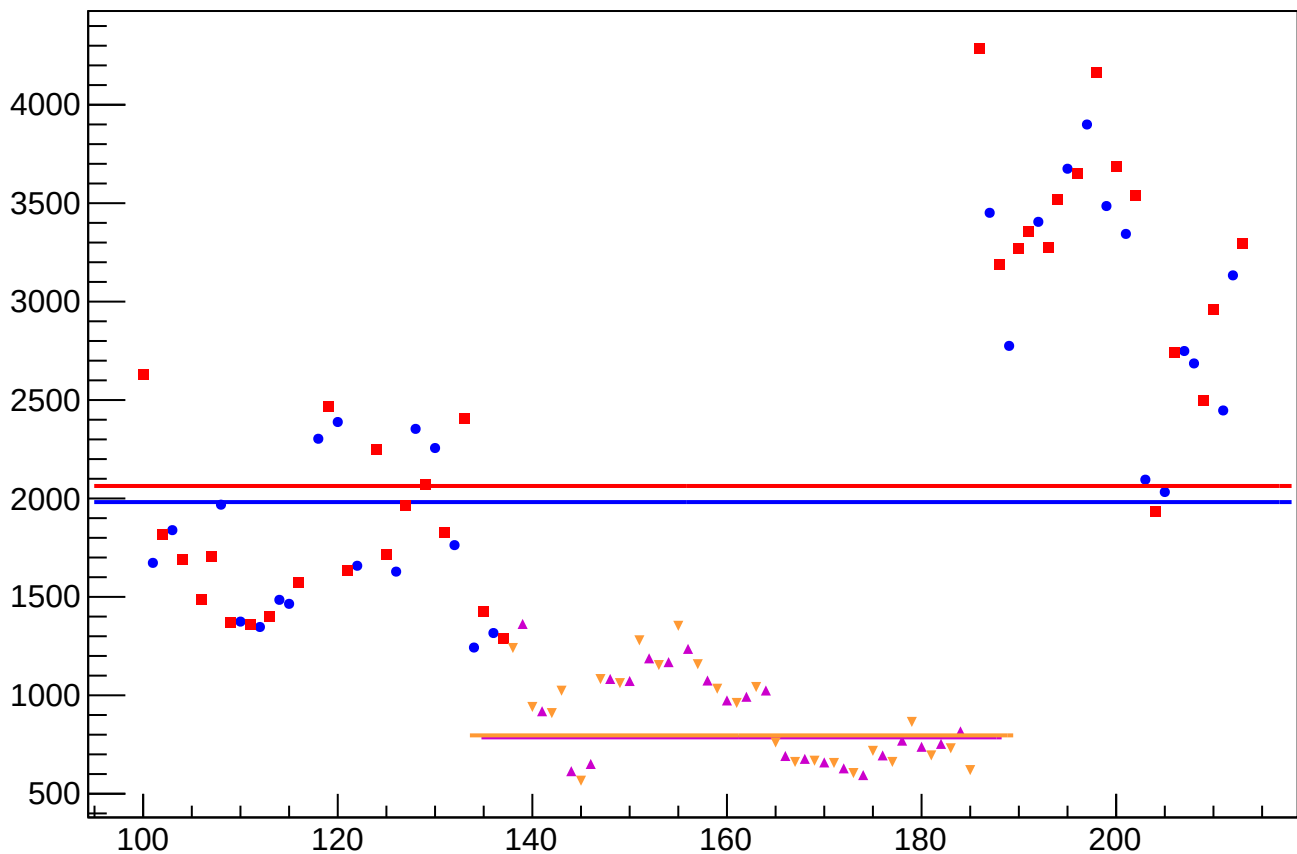
Left In: -112.483 ± 190.269 χ^2/NDF : 27.1/22

+ sign -865.621 ± 176.007 χ^2/NDF : 109.4/53

All: -593.301 ± 125.198 χ^2/NDF : 180.6/110

- sign -314.388 ± 178.125 χ^2/NDF : 66.3/56

asym_sam3_reg_correction_rms vs Slug



Right In: 1981.619+/-0.357 χ^2/NDF : 3749049.1/28

Left Out: 796.524+/-0.133 χ^2/NDF : 2417872.0/24

Right Out: 2063.429+/-0.358 χ^2/NDF : 4588402.1/33

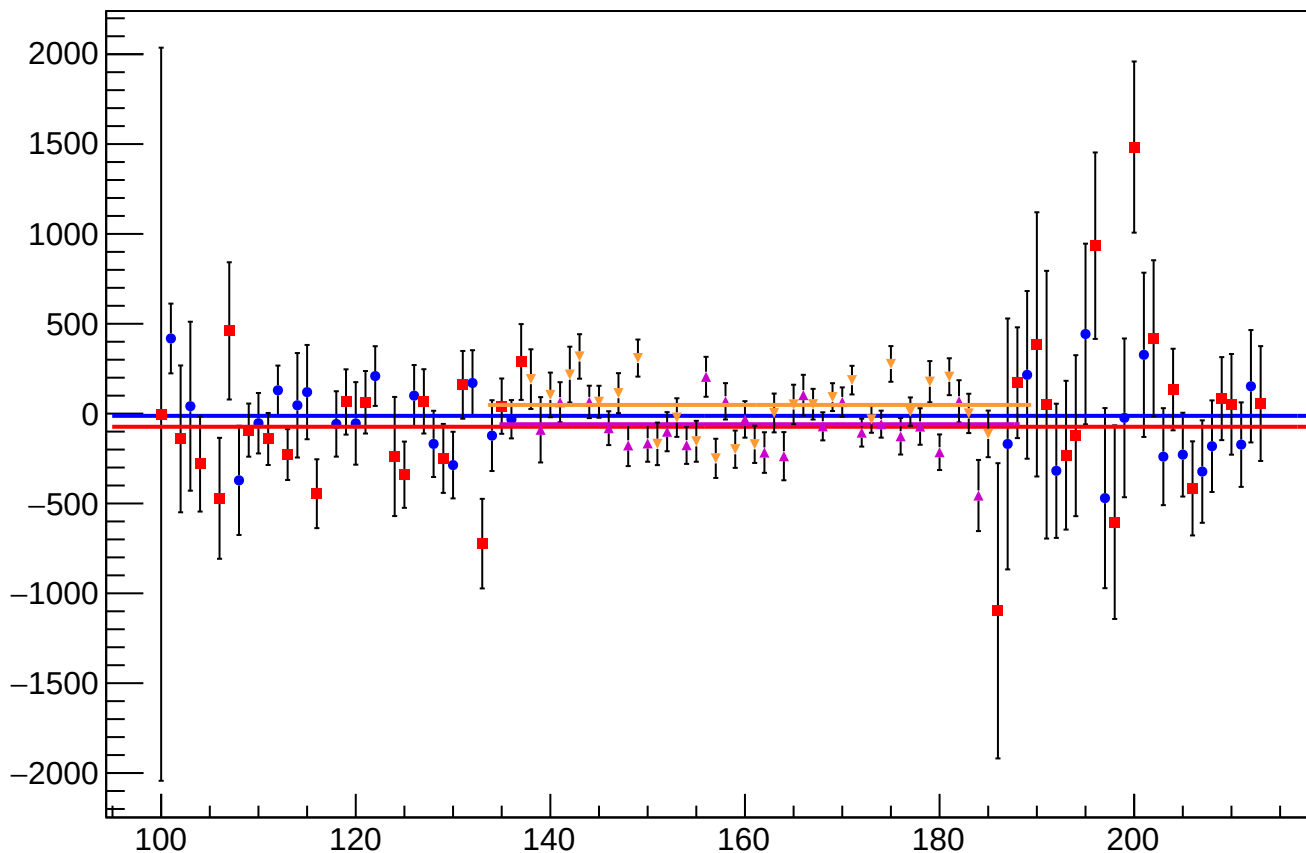
Left In: 786.336+/-0.135 χ^2/NDF : 2156583.9/22

+ sign 940.189+/-0.124 χ^2/NDF : 15826332.2/53

All: 942.150+/-0.089 χ^2/NDF : 33706682.6/11

- sign 944.159+/-0.126 χ^2/NDF : 17879847.7/56

cor_asym_sam3_mean vs Slug



Right In: -12.393 ± 40.874 χ^2/NDF : 21.4/28

Left Out: 48.399 ± 20.423 χ^2/NDF : 53.6/24

Right Out: -73.116 ± 41.004 χ^2/NDF : 48.9/33

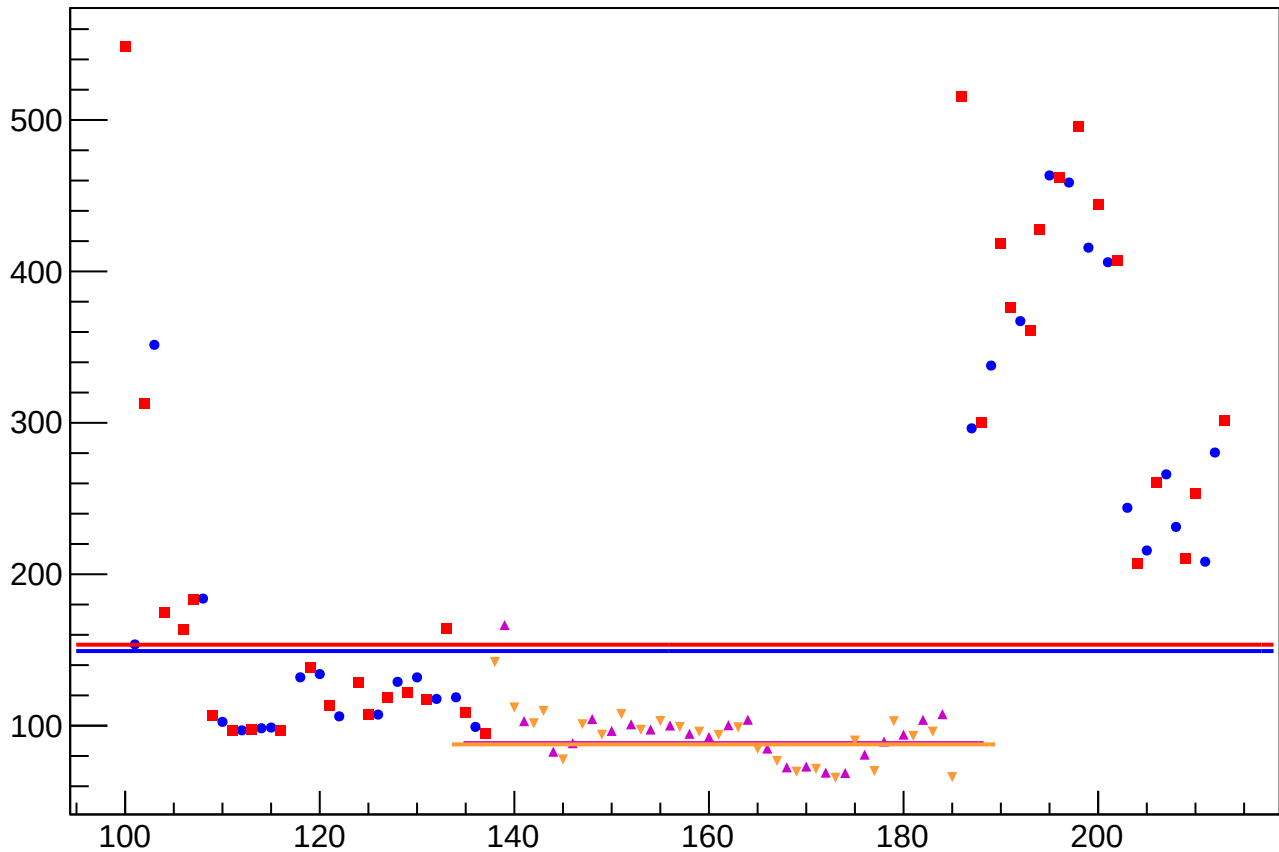
Left In: -59.016 ± 21.156 χ^2/NDF : 30.6/22

+ sign 36.254 ± 18.269 χ^2/NDF : 76.7/53

All: -11.455 ± 13.102 χ^2/NDF : 170.3/110

- sign -61.981 ± 18.801 χ^2/NDF : 79.6/56

cor_asym_sam3_rms vs Slug



Right In: 149.290 $\pm$ 0.029 χ^2 /NDF: 7278682.1/28

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 153.481 $\pm$ 0.029 χ^2 /NDF: 8907574.1/33

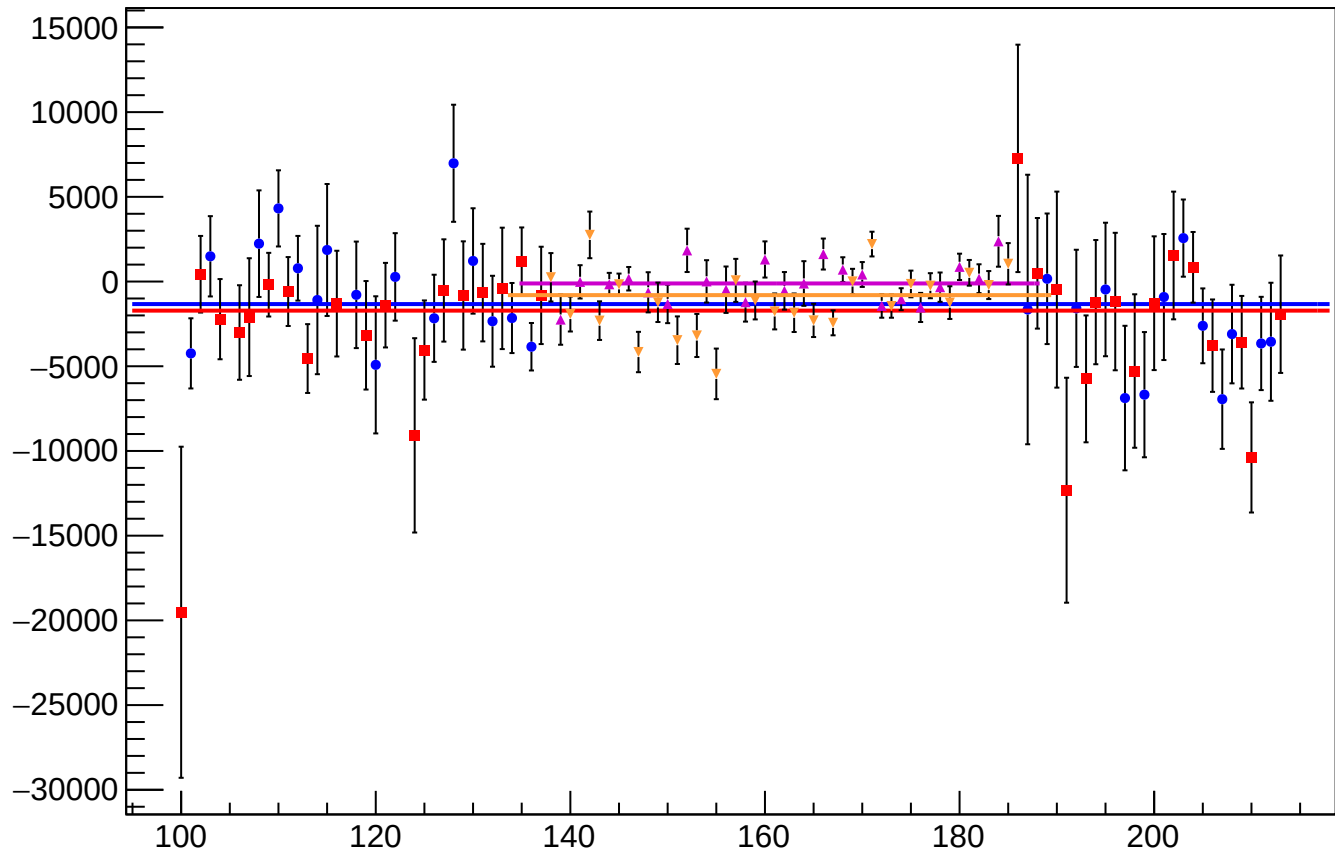
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 99.969 $\pm$ 0.013 χ^2 /NDF: 12130948.7/53

All: 101.027 $\pm$ 0.009 χ^2 /NDF: 26097102.3/1

- sign 102.148 $\pm$ 0.013 χ^2 /NDF: 13952338.0/56

asym_sam3_cor_correction_mean vs Slug



Right In: -1330.383 ± 505.515 χ^2/NDF : 36.6/28

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1716.038 ± 507.459 χ^2/NDF : 29.7/33

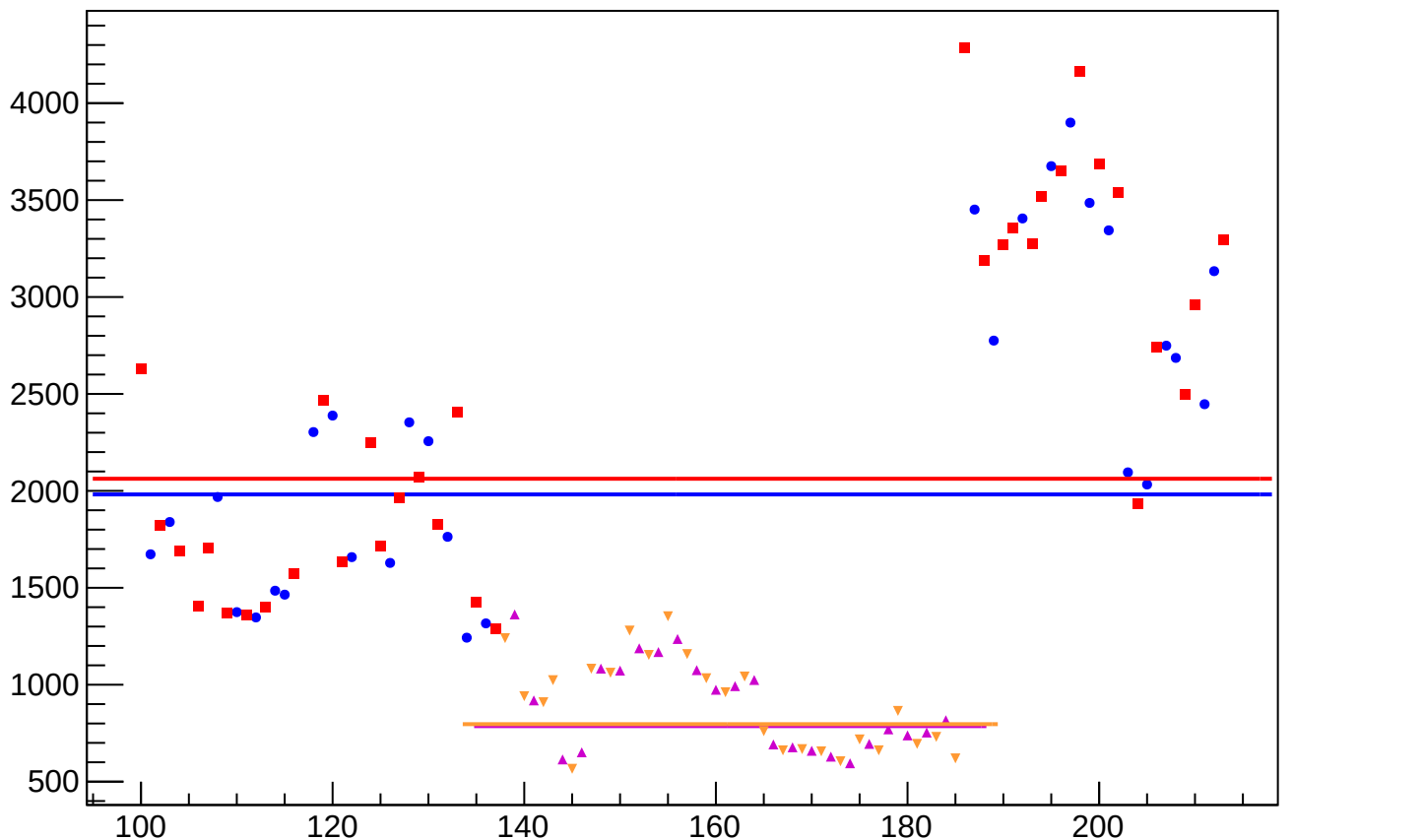
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -865.613 ± 176.007 χ^2/NDF : 109.4/53

All: -591.246 ± 125.209 χ^2/NDF : 179.9/110

- sign -310.132 ± 178.158 χ^2/NDF : 65.5/56

asym_sam3_cor_correction_rms vs Slug



Right In: 1981.629 ± 0.357 $\chi^2/\text{NDF}: 3749033.3/28$

Left Out: 796.523 ± 0.133 $\chi^2/\text{NDF}: 2417869.7/24$

Right Out: 2062.521 ± 0.359 $\chi^2/\text{NDF}: 4606245.0/33$

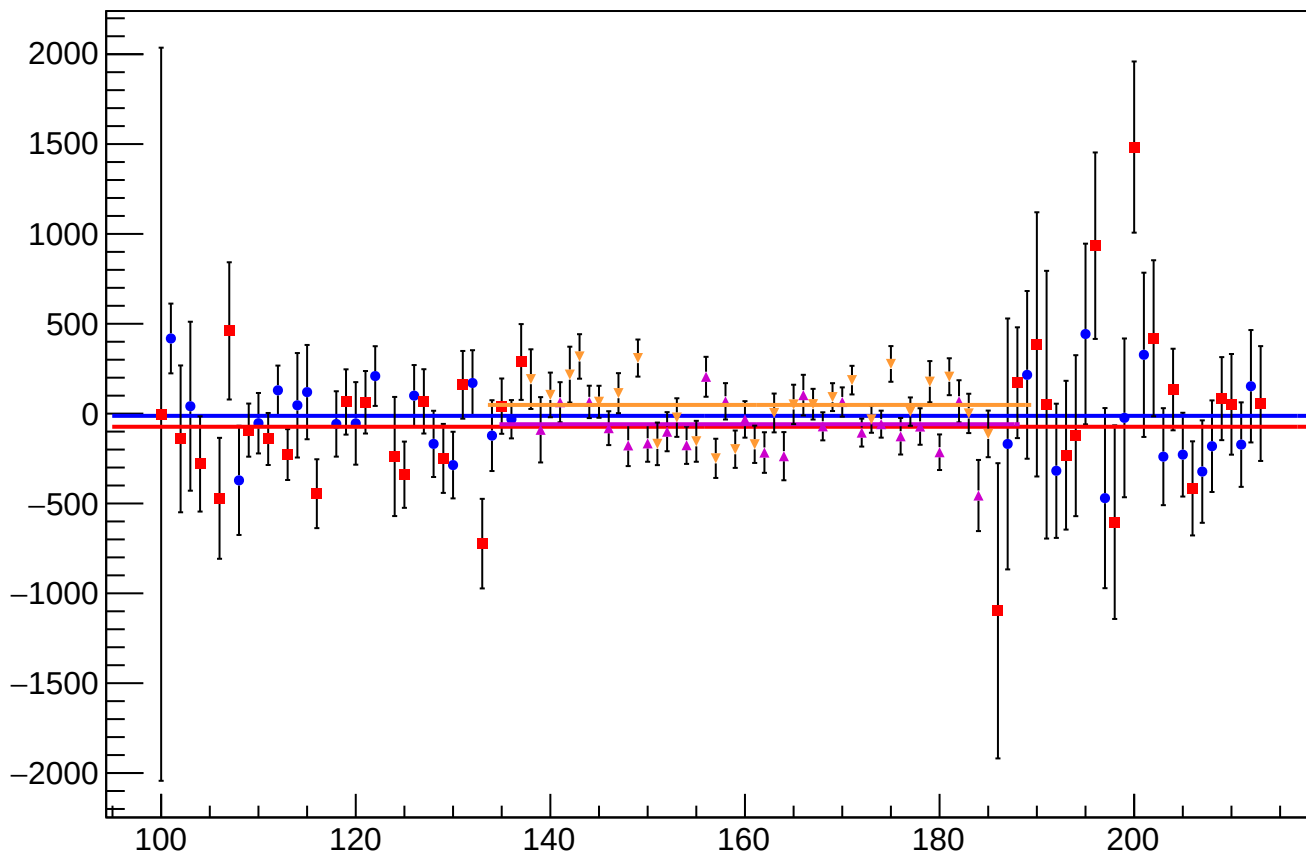
Left In: 786.336 ± 0.135 $\chi^2/\text{NDF}: 2156582.1/22$

+ sign 940.188 ± 0.124 $\chi^2/\text{NDF}: 15826393.9/53$

All: 941.890 ± 0.089 $\chi^2/\text{NDF}: 33679499.1/11$

- sign 943.633 ± 0.126 $\chi^2/\text{NDF}: 17852726.7/56$

eigen_cor_asym_sam3_mean vs Slug



Right In: -12.393 ± 40.874 $\chi^2/\text{NDF}: 21.4/28$

Left Out: 48.399 ± 20.423 $\chi^2/\text{NDF}: 53.6/24$

Right Out: -73.116 ± 41.004 $\chi^2/\text{NDF}: 48.9/33$

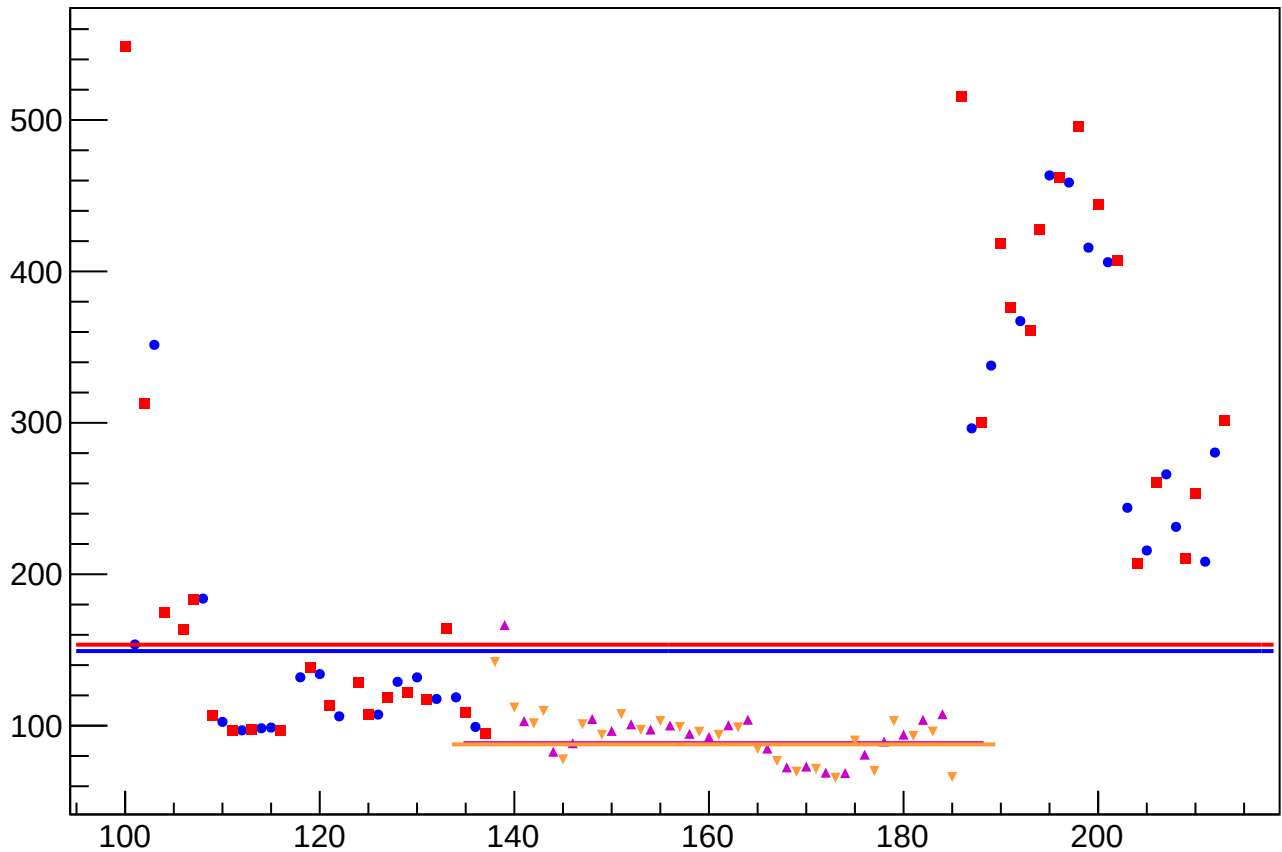
Left In: -59.016 ± 21.156 $\chi^2/\text{NDF}: 30.6/22$

+ sign 36.254 ± 18.269 $\chi^2/\text{NDF}: 76.7/53$

All: -11.455 ± 13.102 $\chi^2/\text{NDF}: 170.3/110$

- sign -61.981 ± 18.801 $\chi^2/\text{NDF}: 79.6/56$

eigen_cor_asym_sam3_rms vs Slug



Right In: 149.290 $\pm$ 0.029 χ^2 /NDF: 7278682.1/28

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 153.481 $\pm$ 0.029 χ^2 /NDF: 8907574.1/33

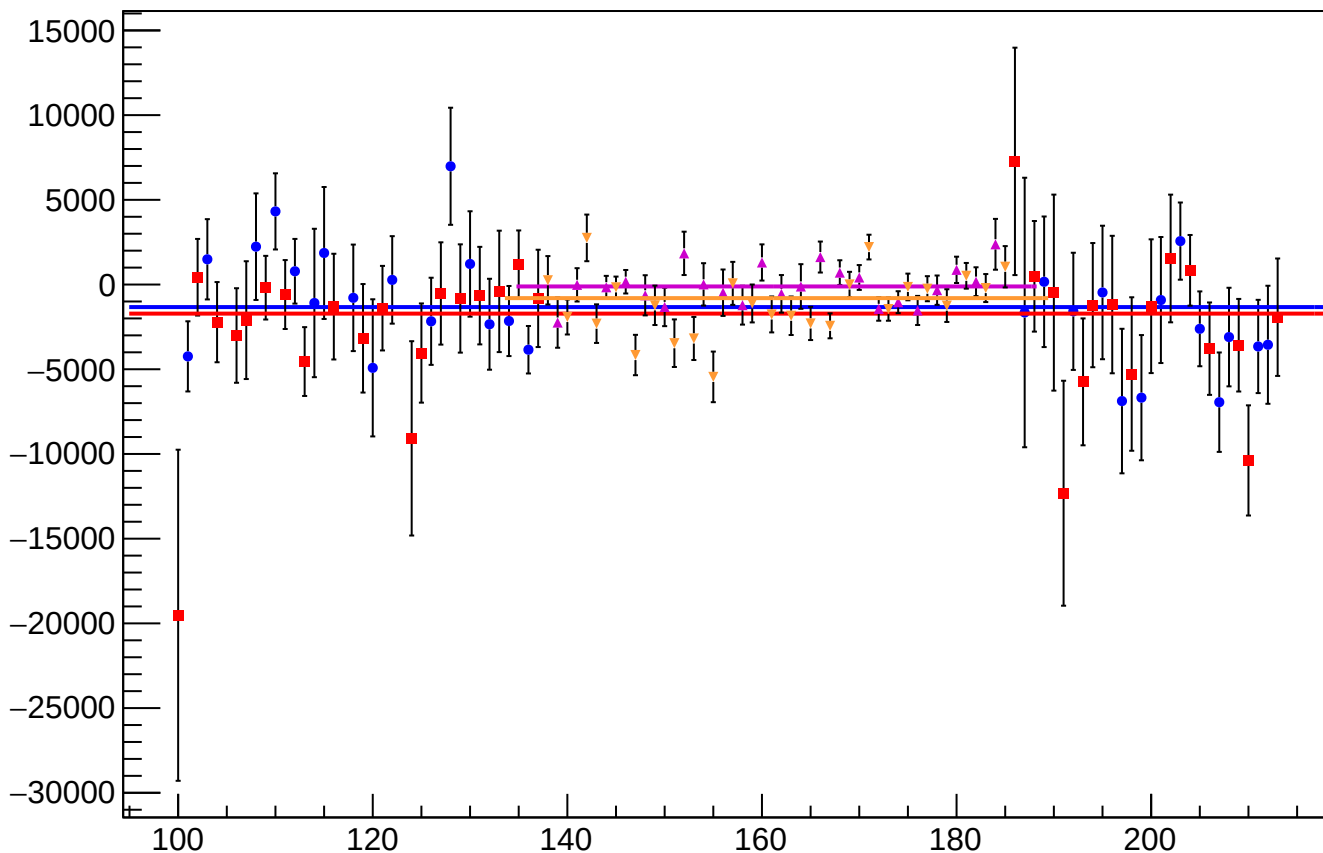
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 99.969 $\pm$ 0.013 χ^2 /NDF: 12130948.7/53

All: 101.027 $\pm$ 0.009 χ^2 /NDF: 26097102.3/1

- sign 102.148 $\pm$ 0.013 χ^2 /NDF: 13952338.0/56

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1330.383 $\pm$ 505.515 χ^2/NDF : 36.6/28

Left Out: -801.499 $\pm$ 187.755 χ^2/NDF : 71.9/24

Right Out: -1716.038 $\pm$ 507.459 χ^2/NDF : 29.7/33

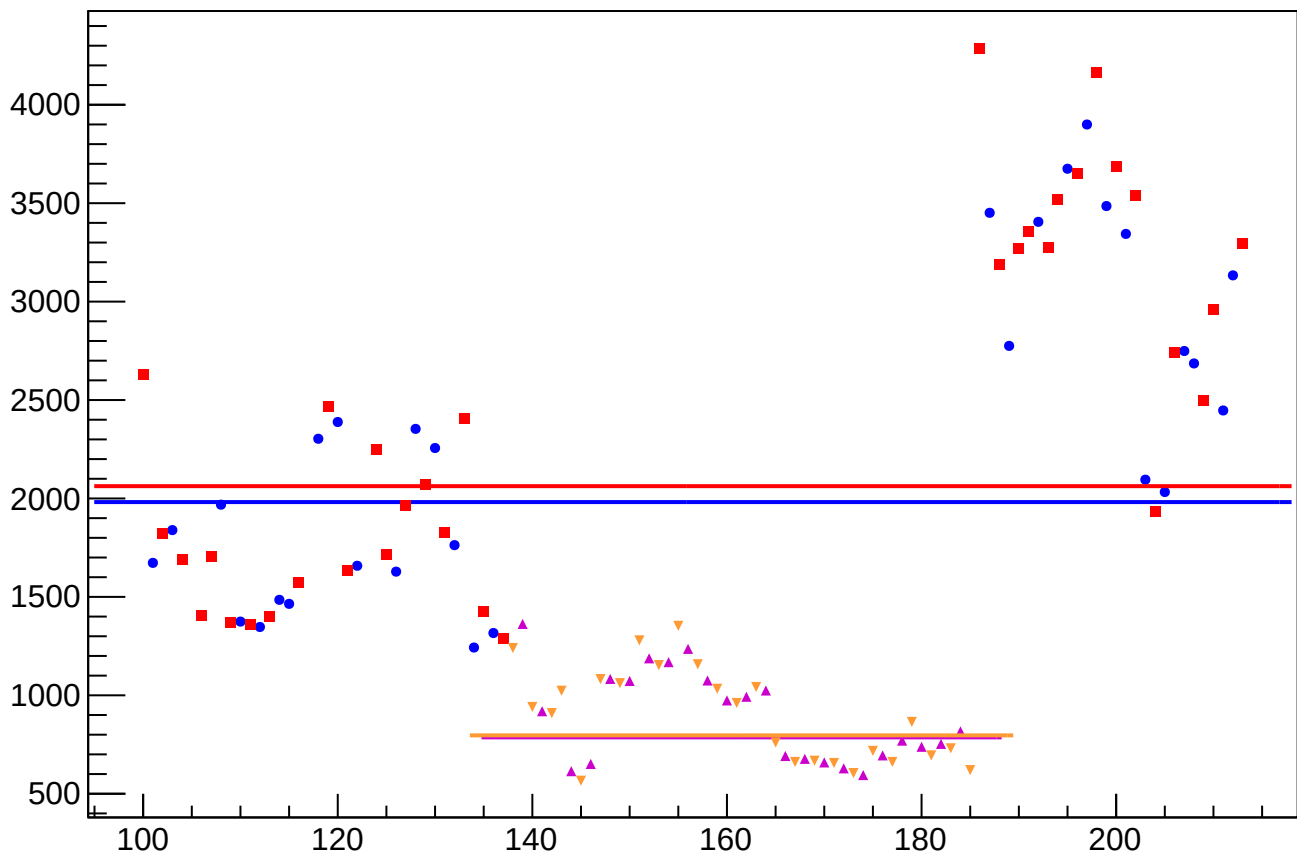
Left In: -112.485 $\pm$ 190.269 χ^2/NDF : 27.1/22

+ sign -865.613 $\pm$ 176.007 χ^2/NDF : 109.4/53

All: -591.246 $\pm$ 125.209 χ^2/NDF : 179.9/110

- sign -310.132 $\pm$ 178.158 χ^2/NDF : 65.5/56

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1981.629 $\pm$ 0.357 χ^2 /NDF: 3749033.3/28

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

Right Out: 2062.521 $\pm$ 0.359 χ^2 /NDF: 4606245.0/33

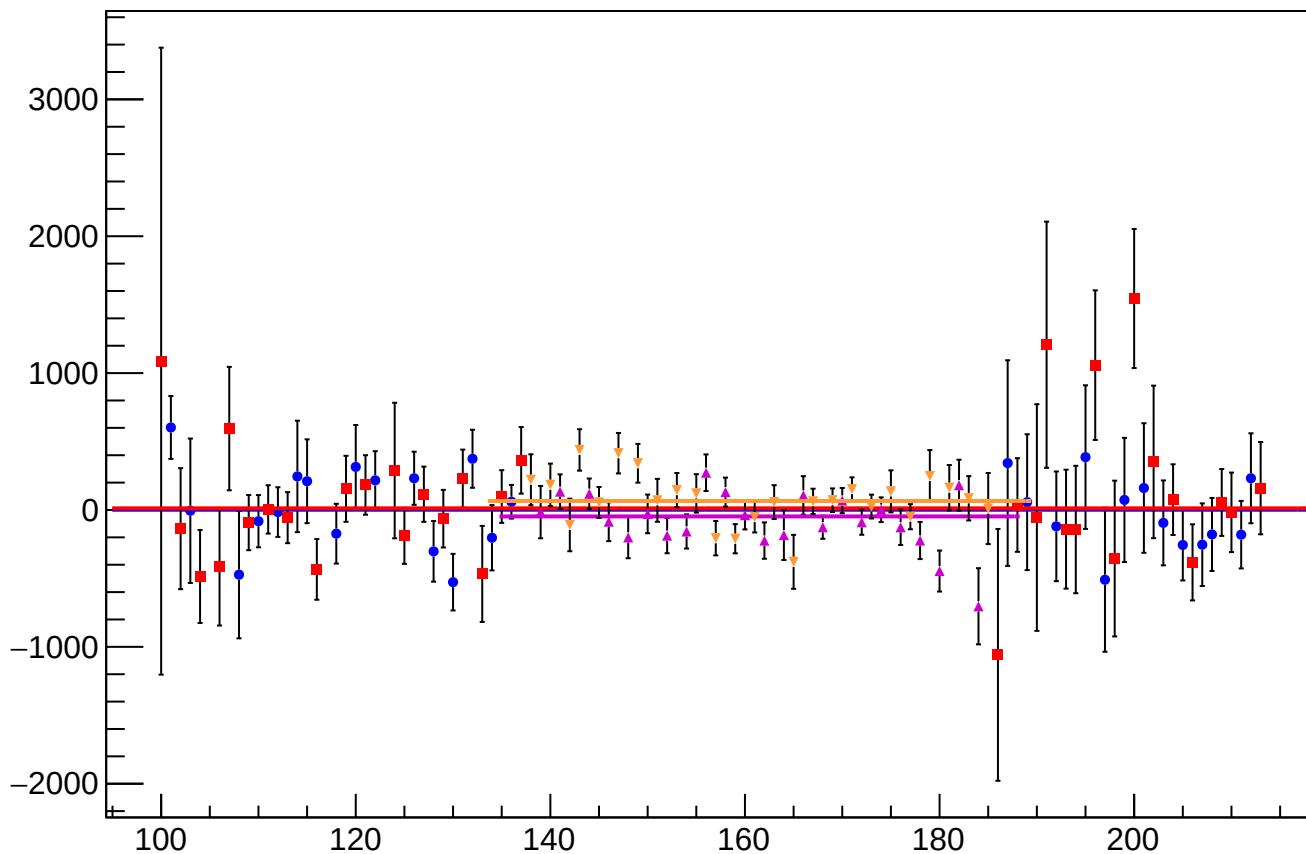
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

+ sign 940.188 $\pm$ 0.124 χ^2 /NDF: 15826393.9/53

All: 941.890 $\pm$ 0.089 χ^2 /NDF: 33679499.1/11

- sign 943.633 $\pm$ 0.126 χ^2 /NDF: 17852726.7/56

dit_asym_sam3_mean vs Slug



Right In: 2.117 ± 47.872 χ^2/NDF : 30.7/28

Left Out: 65.702 ± 25.059 χ^2/NDF : 40.0/24

Right Out: 11.914 ± 48.851 χ^2/NDF : 36.6/33

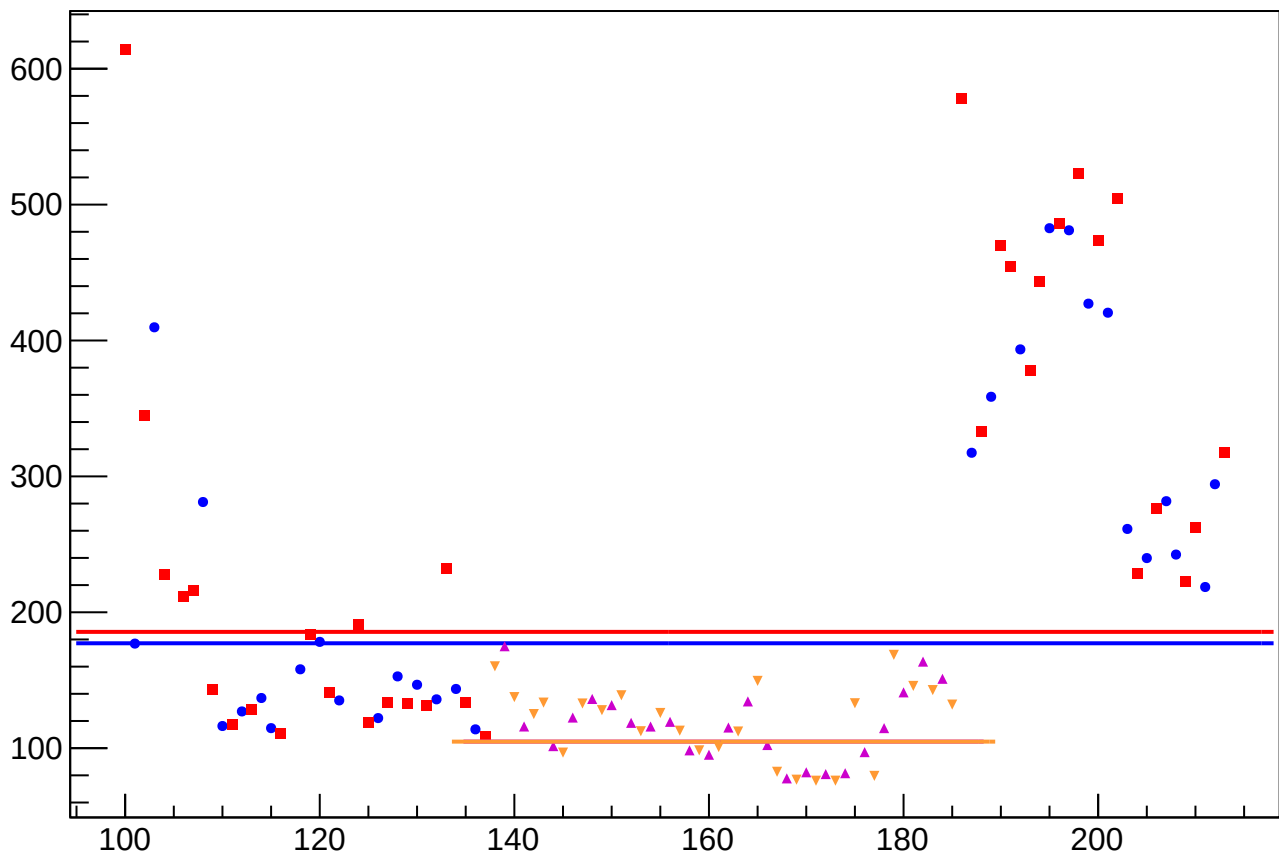
Left In: -47.039 ± 25.696 χ^2/NDF : 38.6/22

+ sign 52.026 ± 22.201 χ^2/NDF : 72.2/53

All: 9.919 ± 15.886 χ^2/NDF : 155.9/110

- sign -34.263 ± 22.742 χ^2/NDF : 76.4/56

dit_asym_sam3_rms vs Slug



Right In: 177.189 $\pm$ 0.034 χ^2 /NDF: 6250087.4/28

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242795.3/24

Right Out: 185.575 $\pm$ 0.035 χ^2 /NDF: 7765727.7/33

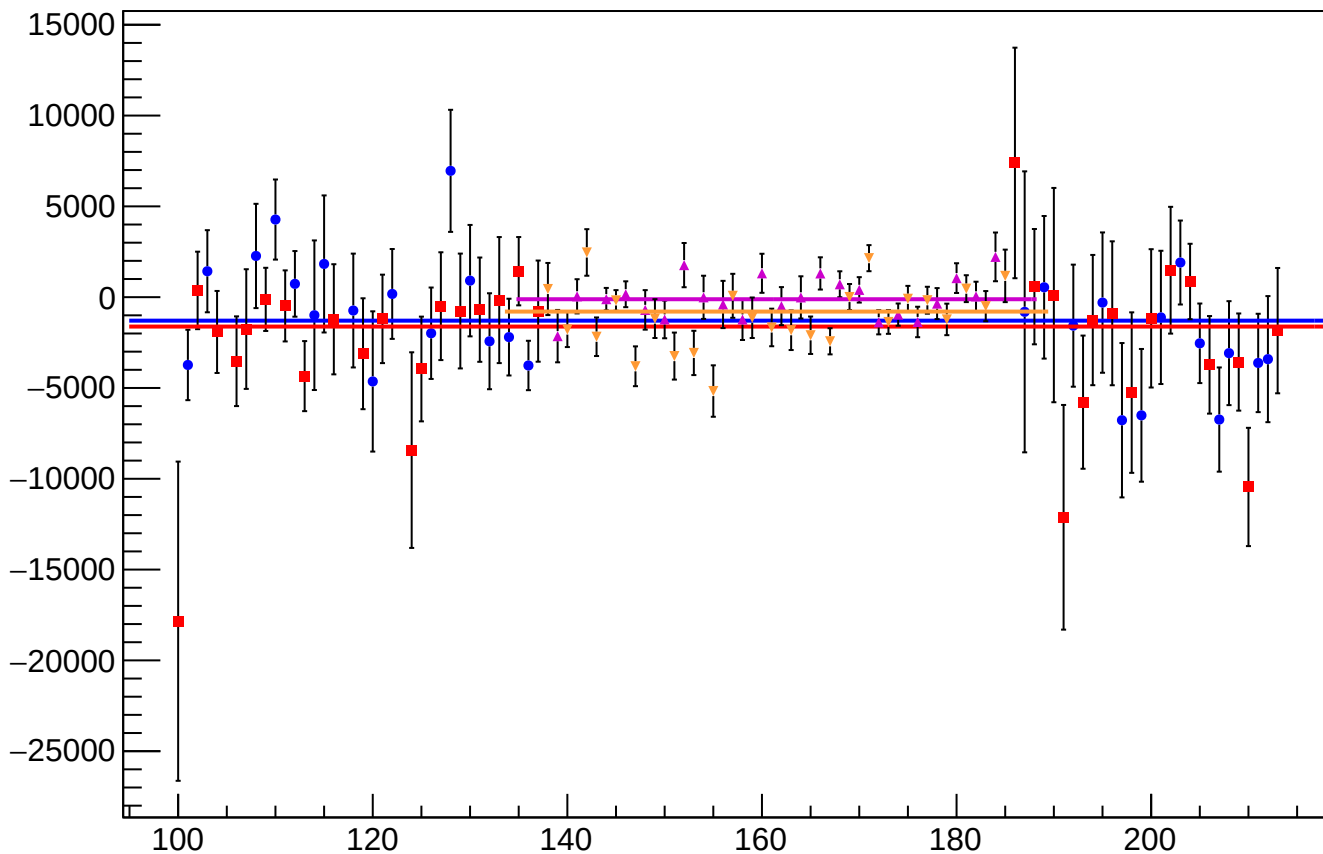
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614476.5/22

+ sign 120.377 $\pm$ 0.016 χ^2 /NDF: 12081494.7/53

All: 121.332 $\pm$ 0.011 χ^2 /NDF: 25748599.0/11

- sign 122.333 $\pm$ 0.016 χ^2 /NDF: 13659535.0/56

asym_sam3_dit_correction_mean vs Slug



Right In: -1293.177 ± 492.842 χ^2/NDF : 35.7/28

Left Out: -793.070 ± 179.897 χ^2/NDF : 70.0/24

Right Out: -1618.697 ± 487.988 χ^2/NDF : 31.9/33

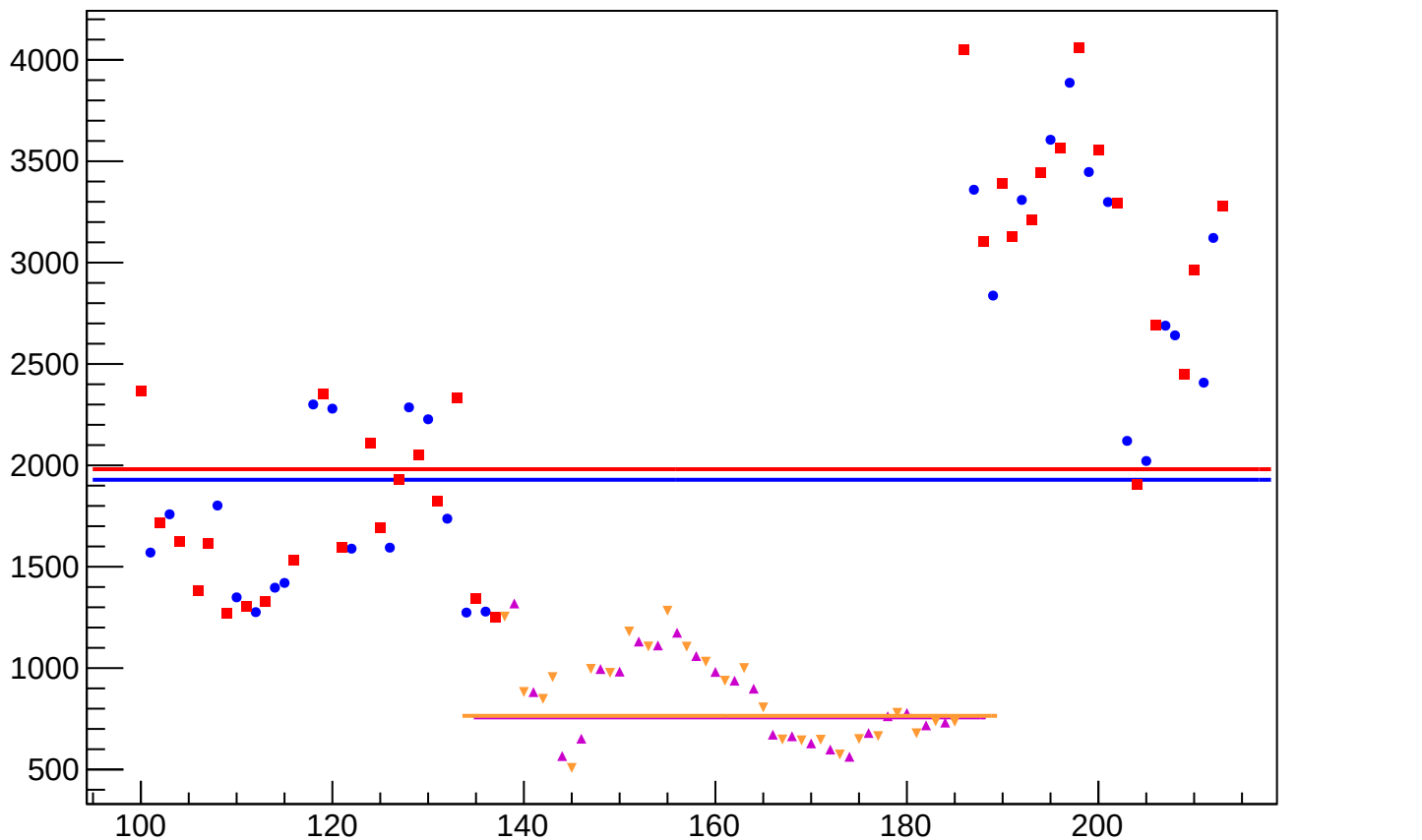
Left In: -113.680 ± 183.126 χ^2/NDF : 26.3/22

+ sign -851.870 ± 168.990 χ^2/NDF : 106.6/53

All: -579.657 ± 120.355 χ^2/NDF : 178.4/110

- sign -299.461 ± 171.451 χ^2/NDF : 66.6/56

asym_sam3_dit_correction_rms vs Slug



Right In: 1928.915 $\pm$ 0.348 χ^2 /NDF: 3890255.7/28

Left Out: 764.734 $\pm$ 0.127 χ^2 /NDF: 2425556.5/24

Right Out: 1981.143 $\pm$ 0.345 χ^2 /NDF: 4828414.1/33

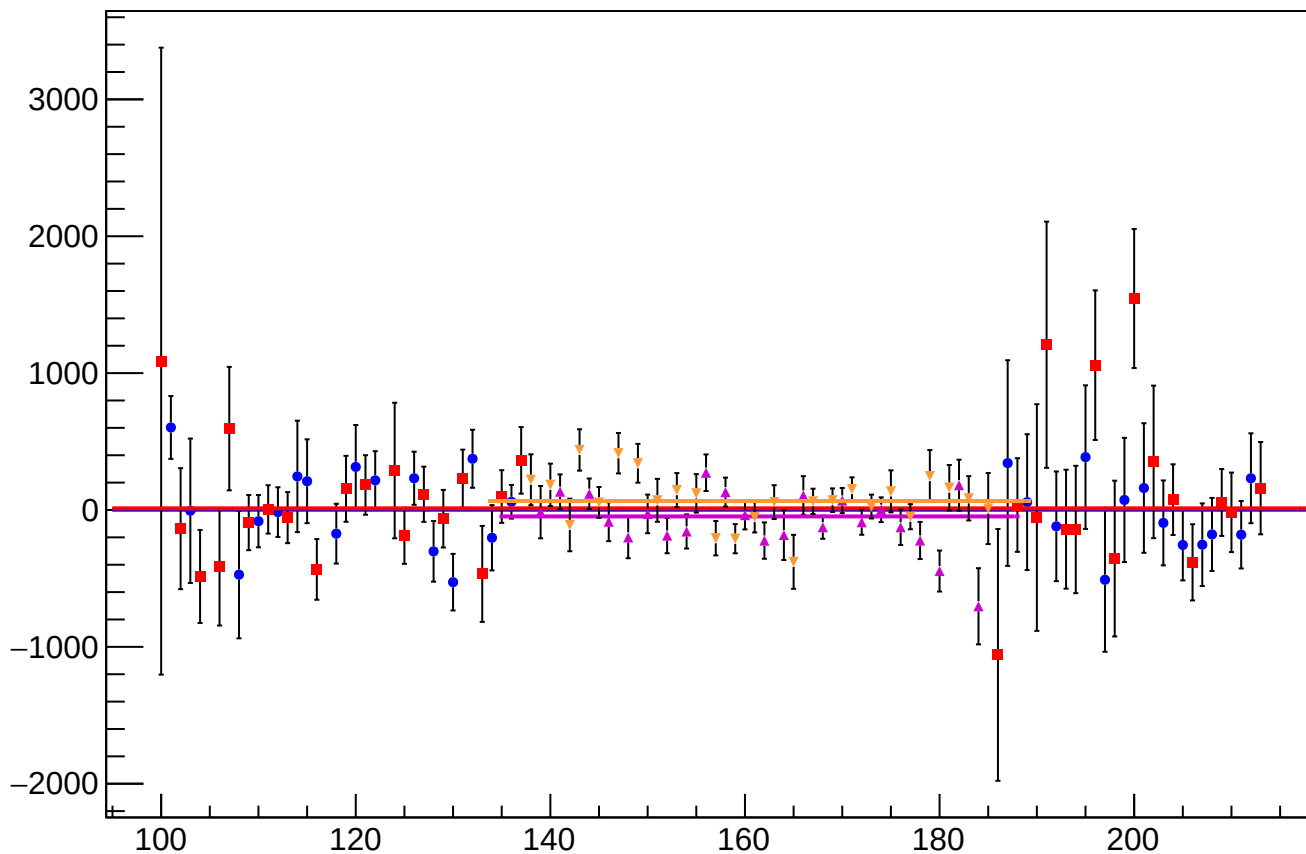
Left In: 756.927 $\pm$ 0.129 χ^2 /NDF: 2115280.1/22

+ sign 901.611 $\pm$ 0.119 χ^2 /NDF: 16163484.8/53

All: 904.781 $\pm$ 0.085 χ^2 /NDF: 34141984.8/1

- sign 908.045 $\pm$ 0.121 χ^2 /NDF: 17977071.1/56

eigen_dit_asym_sam3_mean vs Slug



Right In: 2.117 ± 47.872 χ^2/NDF : 30.7/28

Left Out: 65.703 ± 25.059 χ^2/NDF : 40.0/24

Right Out: 11.918 ± 48.852 χ^2/NDF : 36.6/33

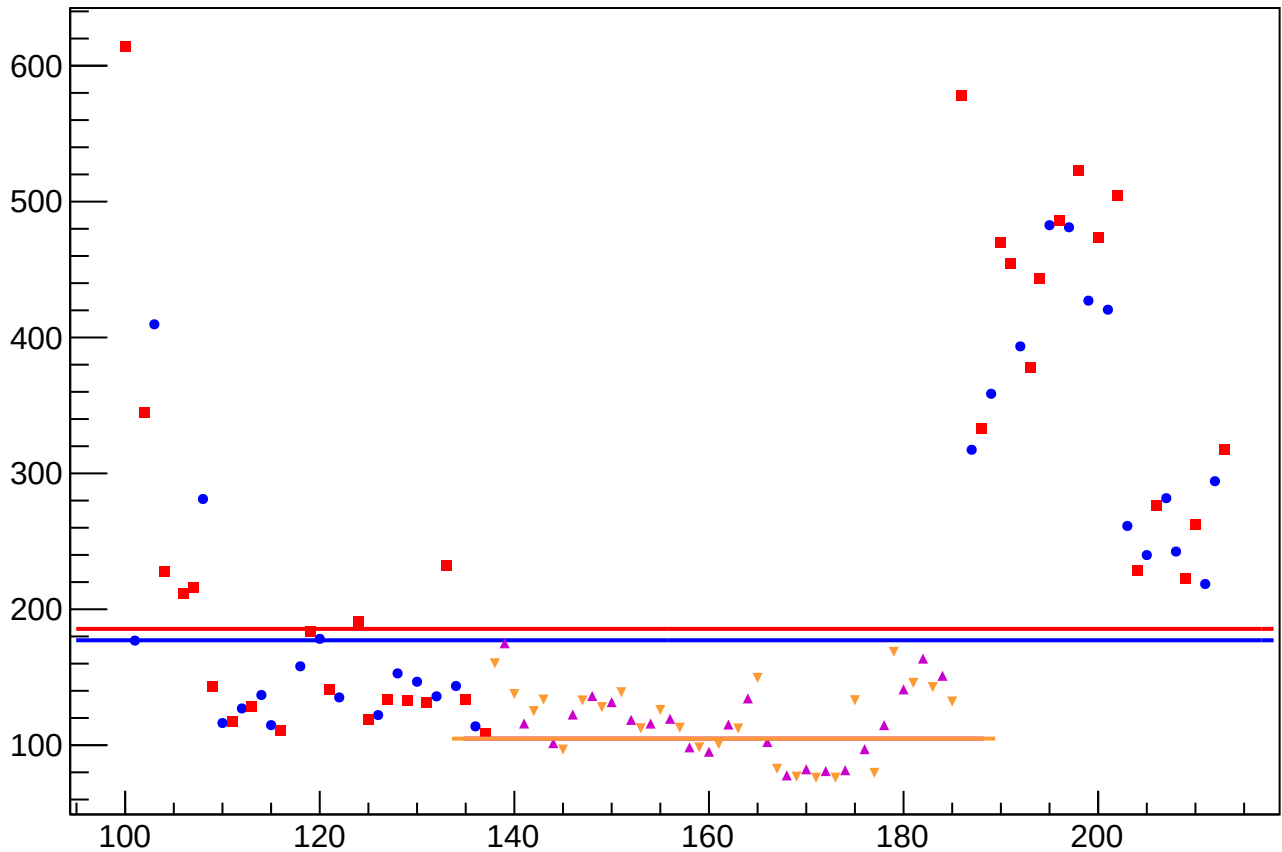
Left In: -47.038 ± 25.696 χ^2/NDF : 38.6/22

+ sign 52.027 ± 22.201 χ^2/NDF : 72.2/53

All: 9.920 ± 15.886 χ^2/NDF : 155.9/110

- sign -34.261 ± 22.742 χ^2/NDF : 76.4/56

eigen_dit_asym_sam3_rms vs Slug



Right In: 177.190 $\pm$ 0.034 χ^2 /NDF: 6250075.0/28

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242815.0/24

Right Out: 185.576 $\pm$ 0.035 χ^2 /NDF: 7765707.0/33

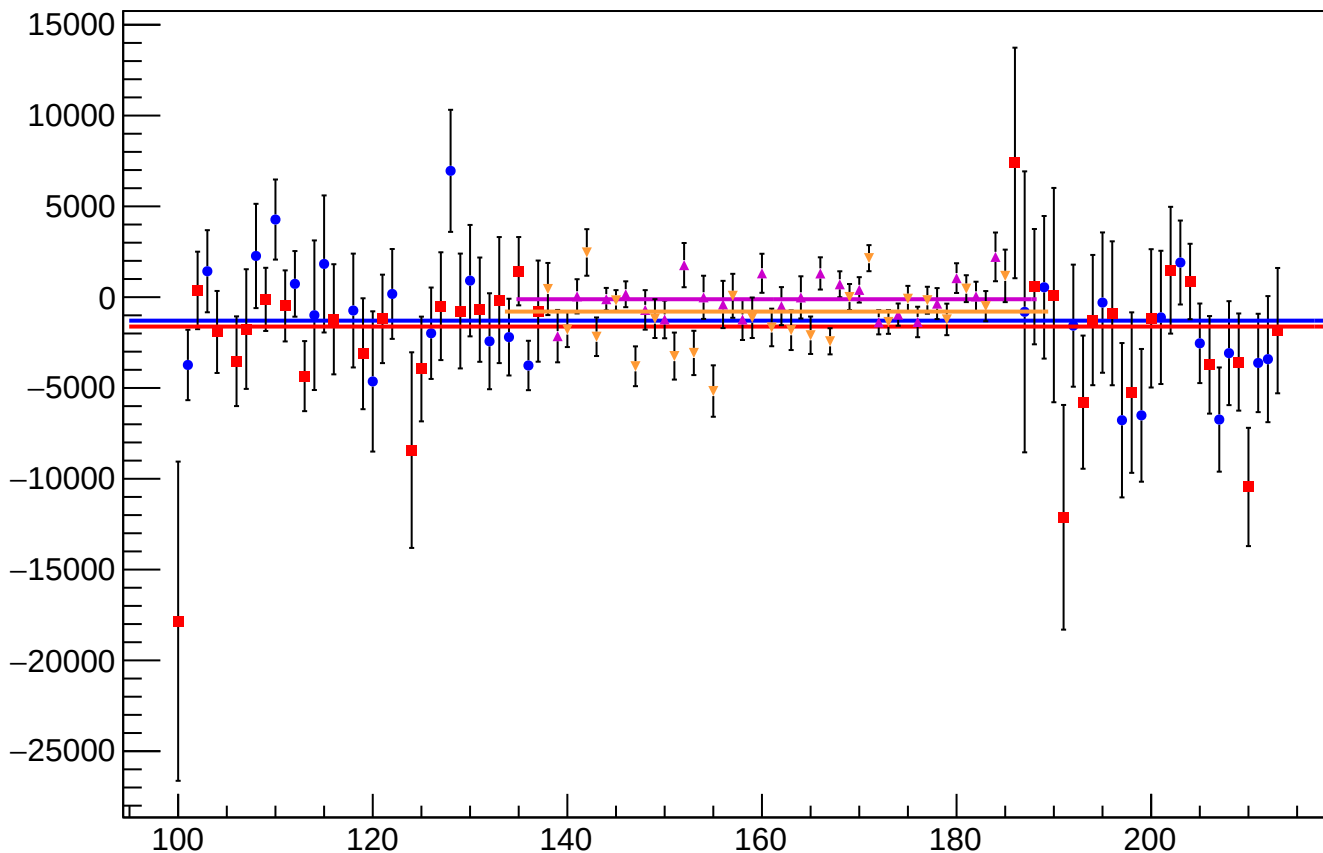
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614484.2/22

+ sign 120.378 $\pm$ 0.016 χ^2 /NDF: 12081487.3/53

All: 121.332 $\pm$ 0.011 χ^2 /NDF: 25748583.0/11

- sign 122.333 $\pm$ 0.016 χ^2 /NDF: 13659526.4/56

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1293.175 $\pm$ 492.842 χ^2 /NDF: 35.7/28

Left Out: -793.071 $\pm$ 179.896 χ^2 /NDF: 70.0/24

Right Out: -1618.695 $\pm$ 487.988 χ^2 /NDF: 31.9/33

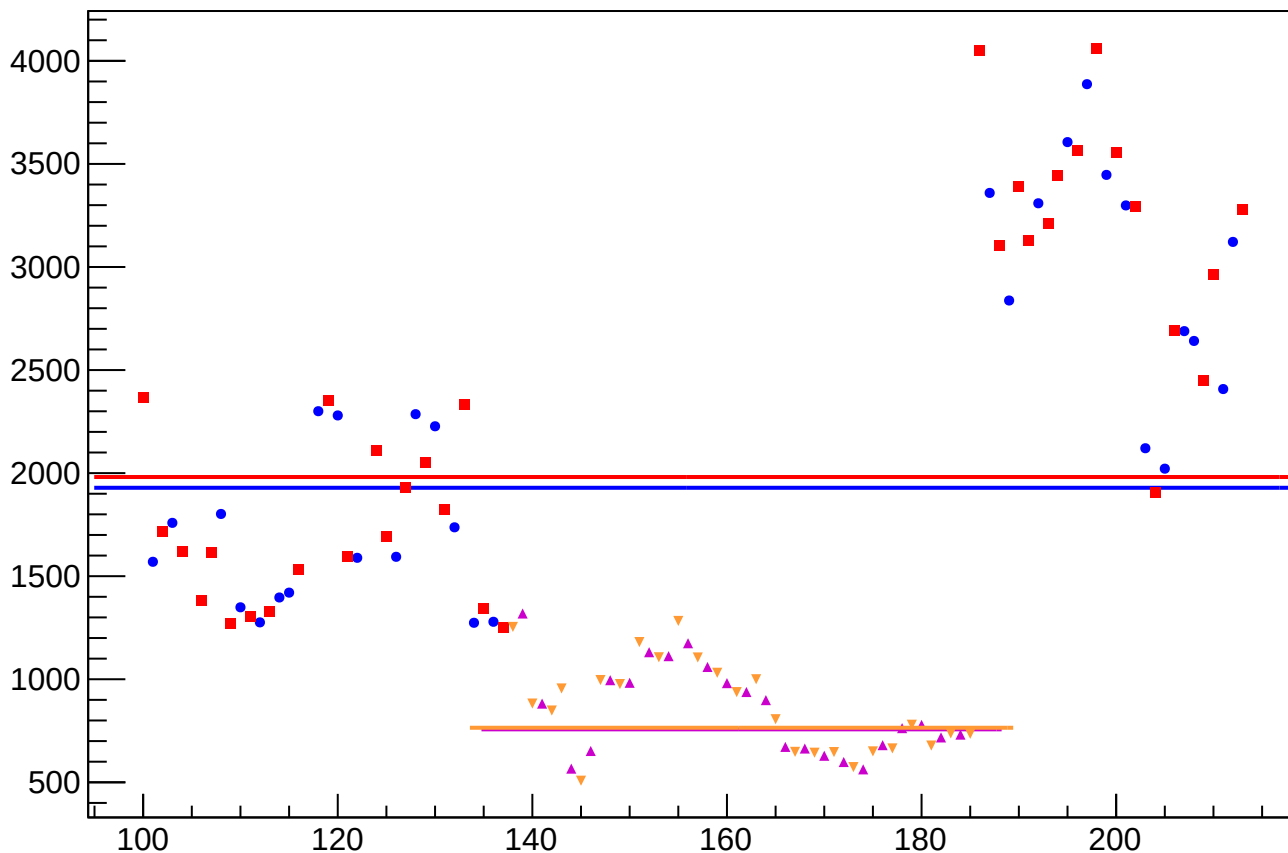
Left In: -113.680 $\pm$ 183.125 χ^2 /NDF: 26.3/22

+ sign -851.870 $\pm$ 168.990 χ^2 /NDF: 106.6/53

All: -579.657 $\pm$ 120.355 χ^2 /NDF: 178.4/110

- sign -299.461 $\pm$ 171.451 χ^2 /NDF: 66.6/56

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1928.913 $\pm$ 0.348 χ^2 /NDF: 3890256.6/28

Left Out: 764.734 $\pm$ 0.127 χ^2 /NDF: 2425549.9/24

Right Out: 1981.141 $\pm$ 0.345 χ^2 /NDF: 4828416.3/33

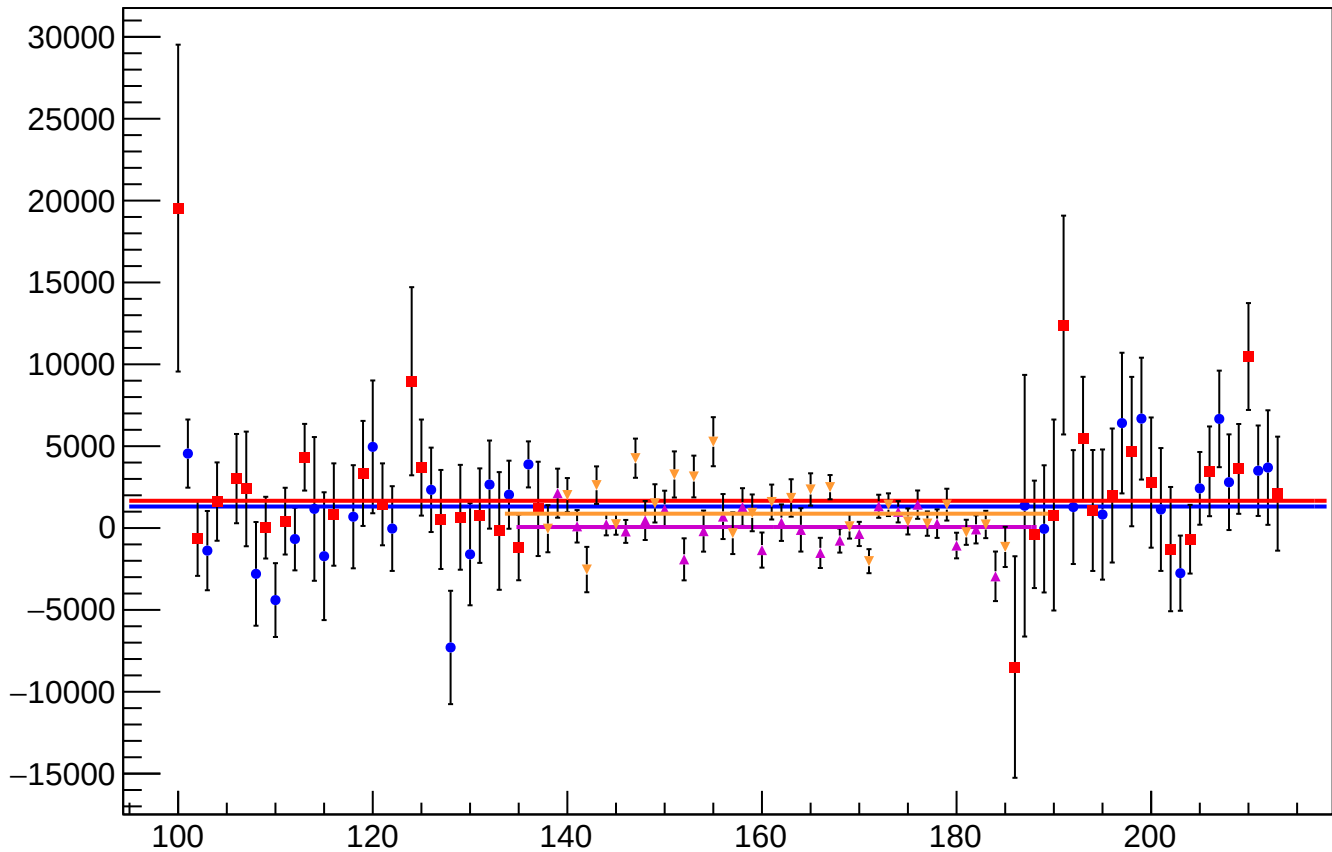
Left In: 756.926 $\pm$ 0.129 χ^2 /NDF: 2115275.0/22

+ sign 901.610 $\pm$ 0.119 χ^2 /NDF: 16163478.1/53

All: 904.781 $\pm$ 0.085 χ^2 /NDF: 34141969.0/11

- sign 908.045 $\pm$ 0.121 χ^2 /NDF: 17977062.0/56

asym_sam3_mean vs Slug



Right In: 1314.170 $\pm$ 508.049 χ^2 /NDF: 37.2/28

Left Out: 876.482 $\pm$ 188.998 χ^2 /NDF: 67.3/24

Right Out: 1665.370 $\pm$ 509.530 χ^2 /NDF: 29.3/33

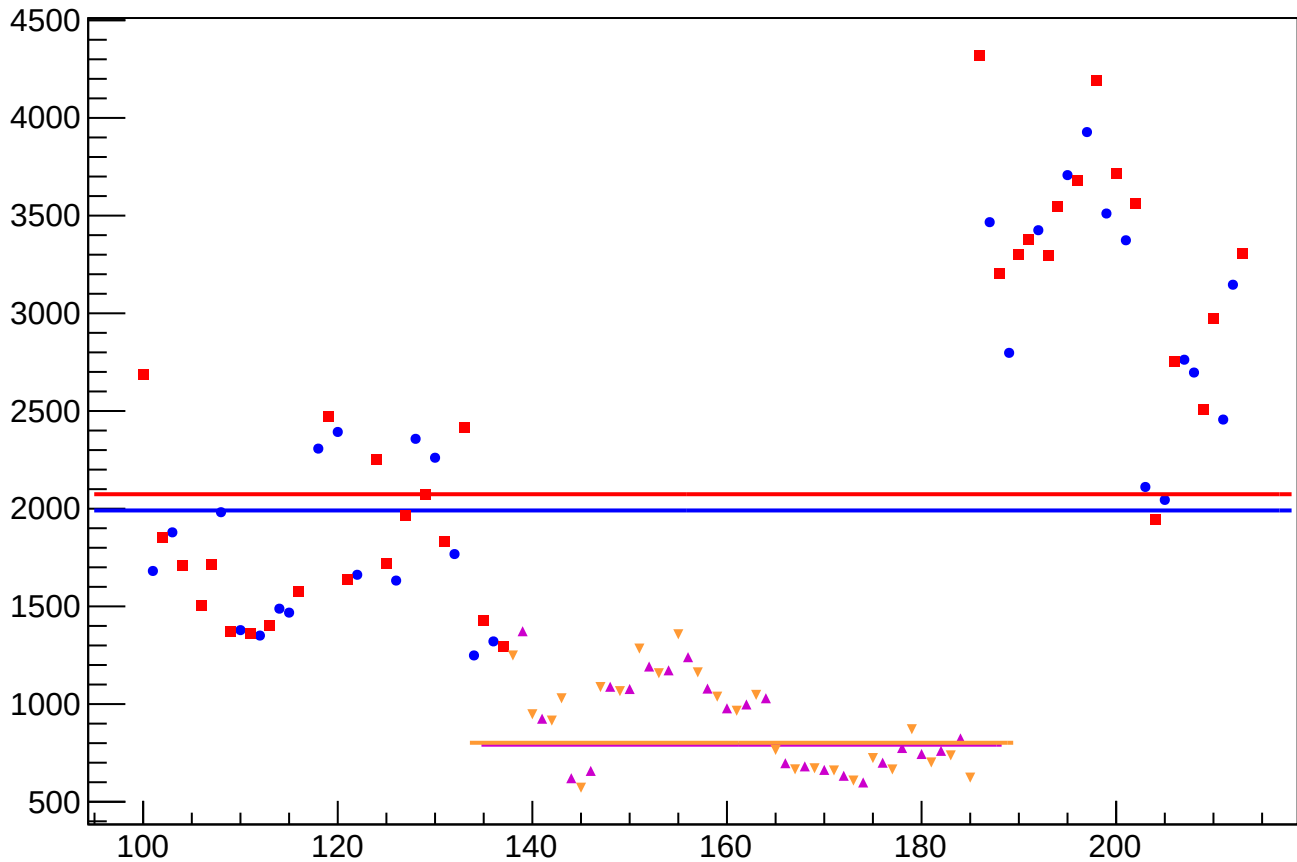
Left In: 62.754 $\pm$ 191.596 χ^2 /NDF: 27.1/22

+ sign 929.690 $\pm$ 177.138 χ^2 /NDF: 105.1/53

All: 599.610 $\pm$ 126.026 χ^2 /NDF: 177.2/110

- sign 261.285 $\pm$ 179.337 χ^2 /NDF: 65.1/56

asym_sam3_rms vs Slug



Right In: 1990.946 $\pm$ 0.359 χ^2 /NDF: 3767547.5/28

Left Out: 802.014 $\pm$ 0.134 χ^2 /NDF: 2396024.4/24

Right Out: 2074.051 $\pm$ 0.360 χ^2 /NDF: 4604777.5/33

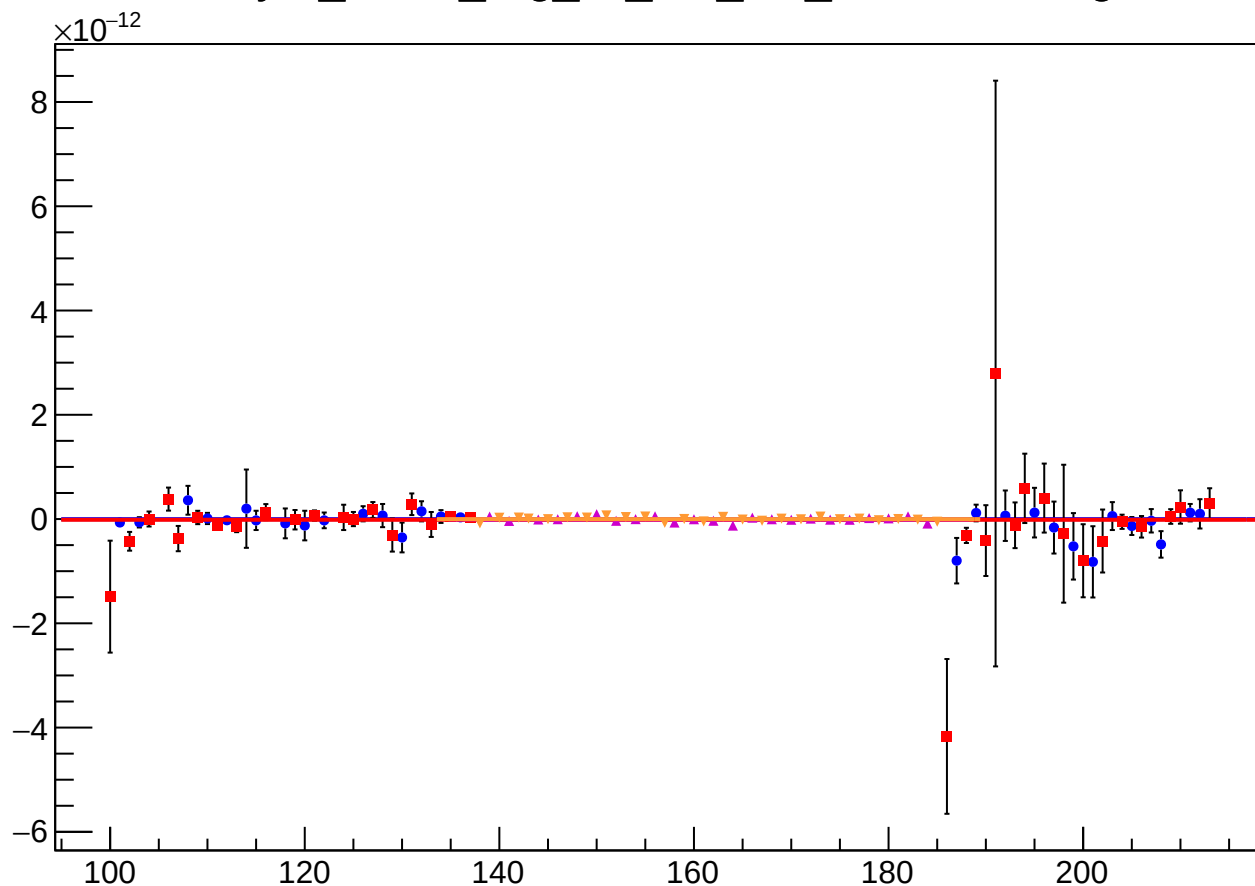
Left In: 792.060 $\pm$ 0.135 χ^2 /NDF: 2135575.6/22

+ sign 946.548 $\pm$ 0.125 χ^2 /NDF: 15785038.5/53

All: 948.684 $\pm$ 0.089 χ^2 /NDF: 33618349.2/11

- sign 950.873 $\pm$ 0.127 χ^2 /NDF: 17832722.2/56

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.0/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 41.7/33

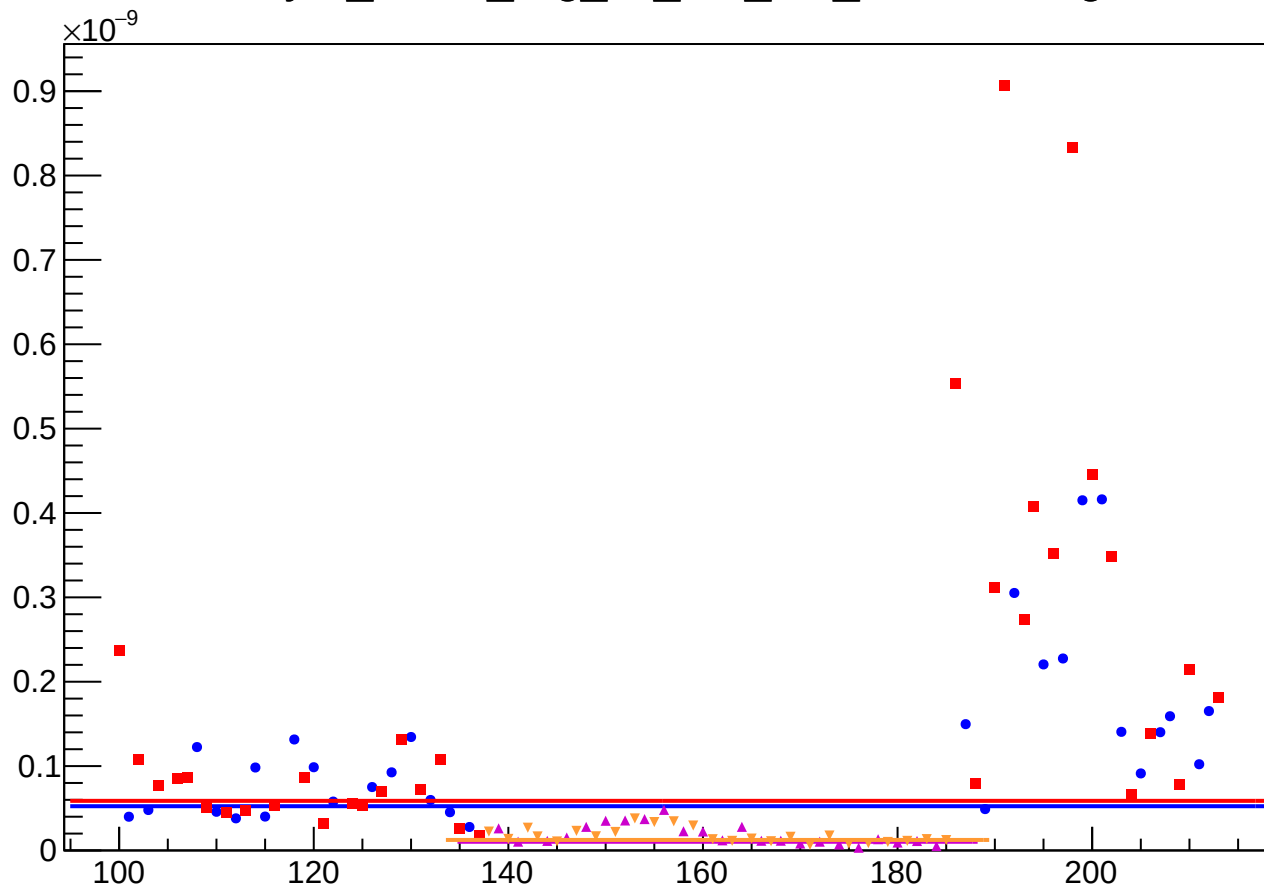
Left In: -0.000 ± 0.000 χ^2/NDF : 31.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.0/53

All: -0.000 ± 0.000 χ^2/NDF : 115.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 73.3/56

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5258023.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6628846.5/33

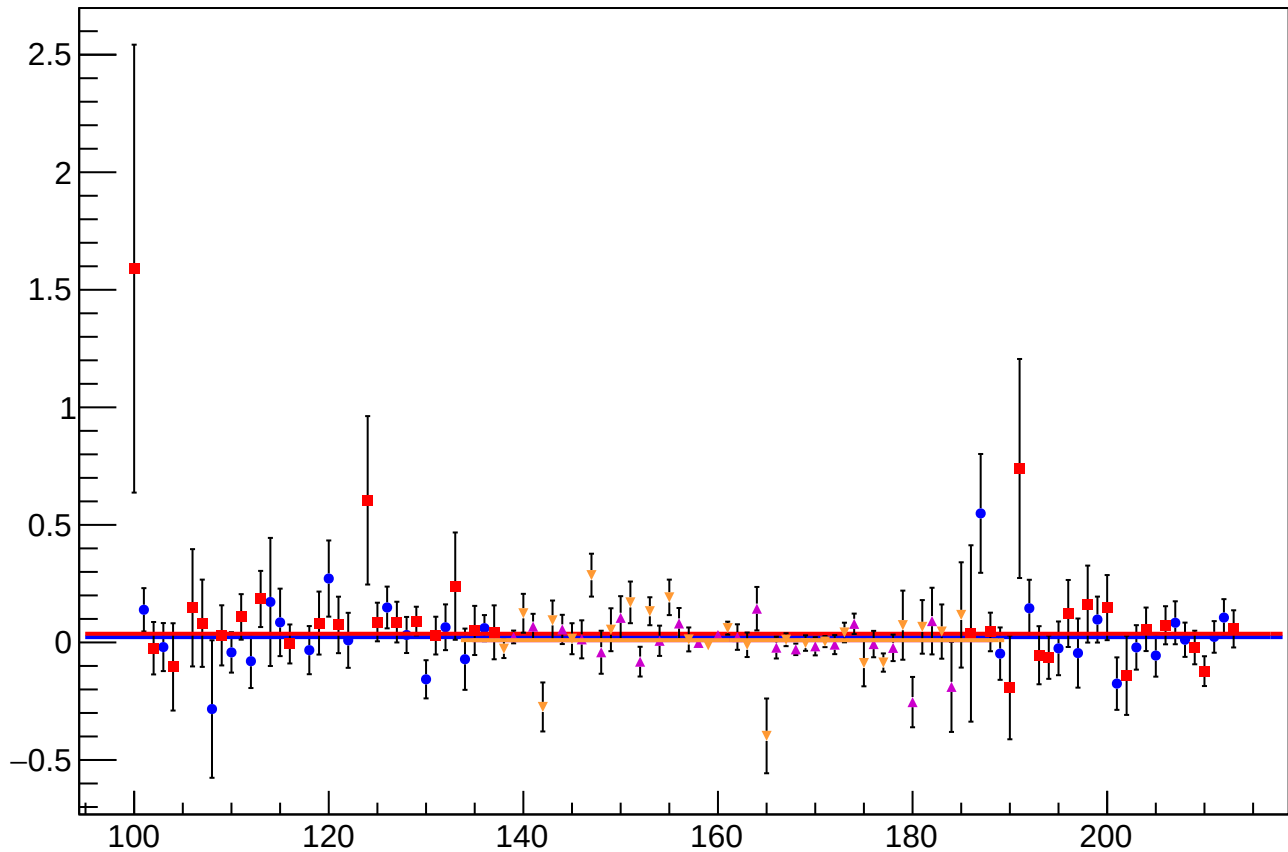
Left In: 0.000+/-0.000 χ^2/NDF : 3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 12173493.0/53

All: 0.000+/-0.000 χ^2/NDF : 28637287.7/110

- sign 0.000+/-0.000 χ^2/NDF : 16246610.3/56

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.018 $\chi^2/\text{NDF}: 27.9/28$

Left Out: 0.010 ± 0.008 $\chi^2/\text{NDF}: 54.6/24$

Right Out: 0.037 ± 0.018 $\chi^2/\text{NDF}: 26.2/33$

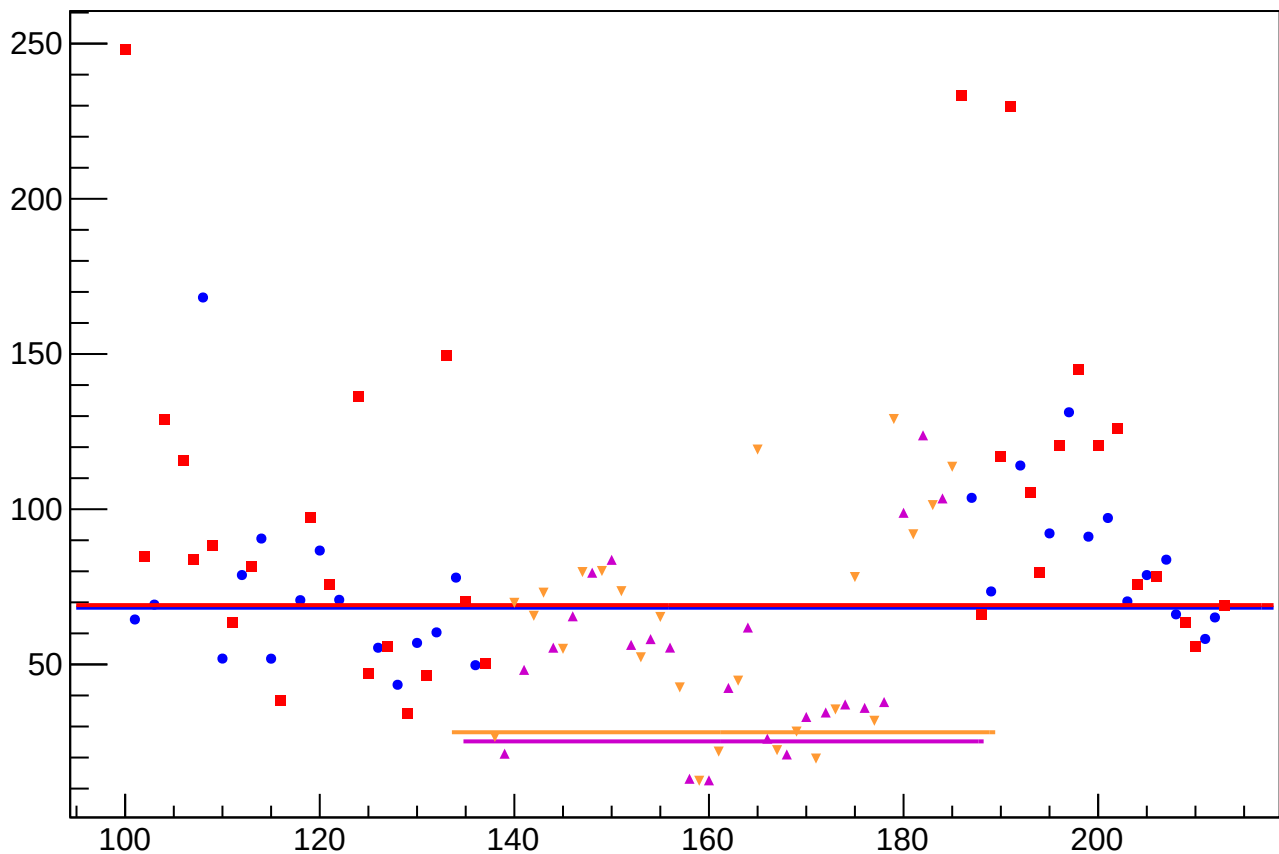
Left In: 0.009 ± 0.008 $\chi^2/\text{NDF}: 25.2/22$

+ sign 0.012 ± 0.008 $\chi^2/\text{NDF}: 83.0/53$

All: 0.013 ± 0.005 $\chi^2/\text{NDF}: 136.3/110$

- sign 0.014 ± 0.007 $\chi^2/\text{NDF}: 53.3/56$

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.276 $\pm$ 0.013 χ^2 /NDF: 2094853.8/28

Left Out: 28.151 $\pm$ 0.006 χ^2 /NDF: 11070747.0/24

Right Out: 69.107 $\pm$ 0.013 χ^2 /NDF: 4468328.4/33

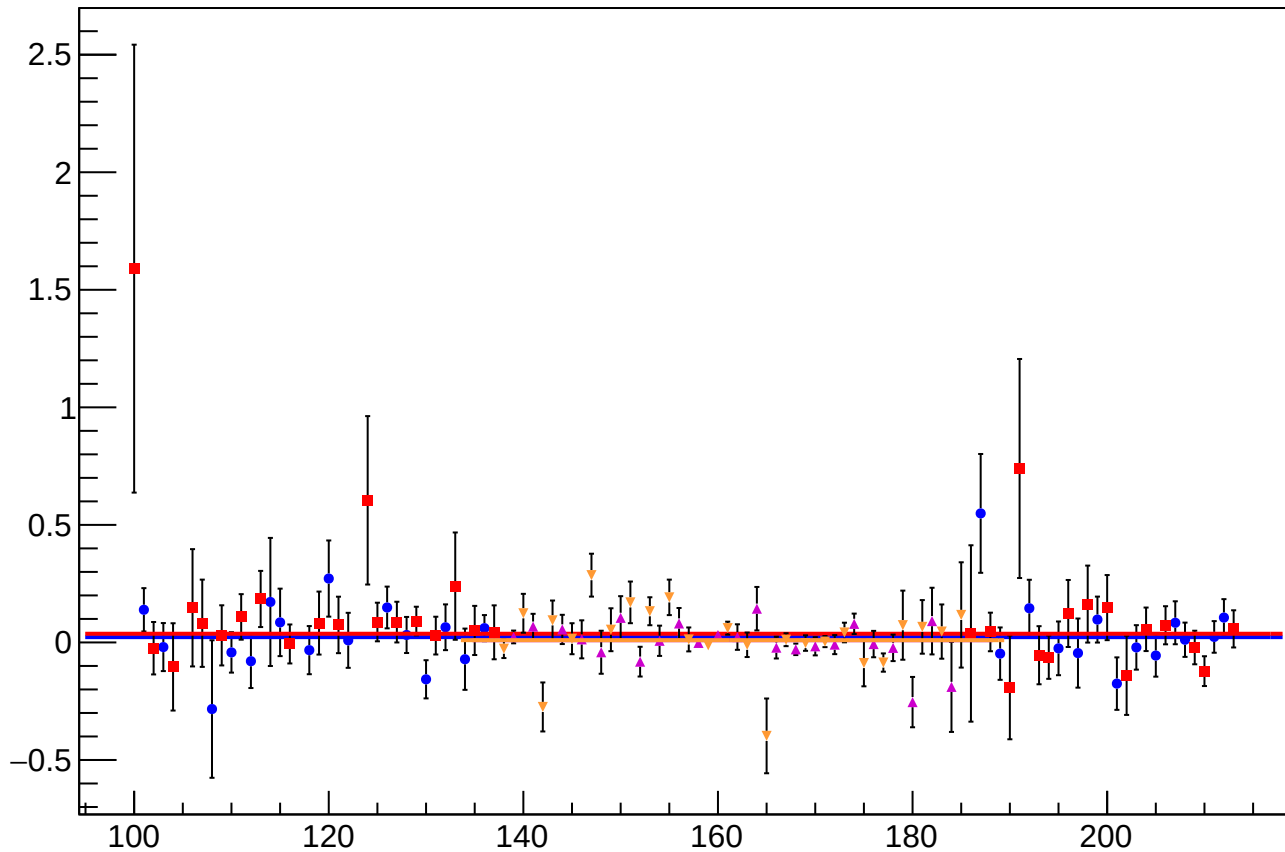
Left In: 25.206 $\pm$ 0.006 χ^2 /NDF: 9964049.2/22

+ sign 35.323 $\pm$ 0.005 χ^2 /NDF: 21211276.2/53

All: 33.637 $\pm$ 0.004 χ^2 /NDF: 45495487.1/110

- sign 32.120 $\pm$ 0.005 χ^2 /NDF: 24100386.5/56

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.018 χ^2/NDF : 27.9/28

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.037 ± 0.018 χ^2/NDF : 26.2/33

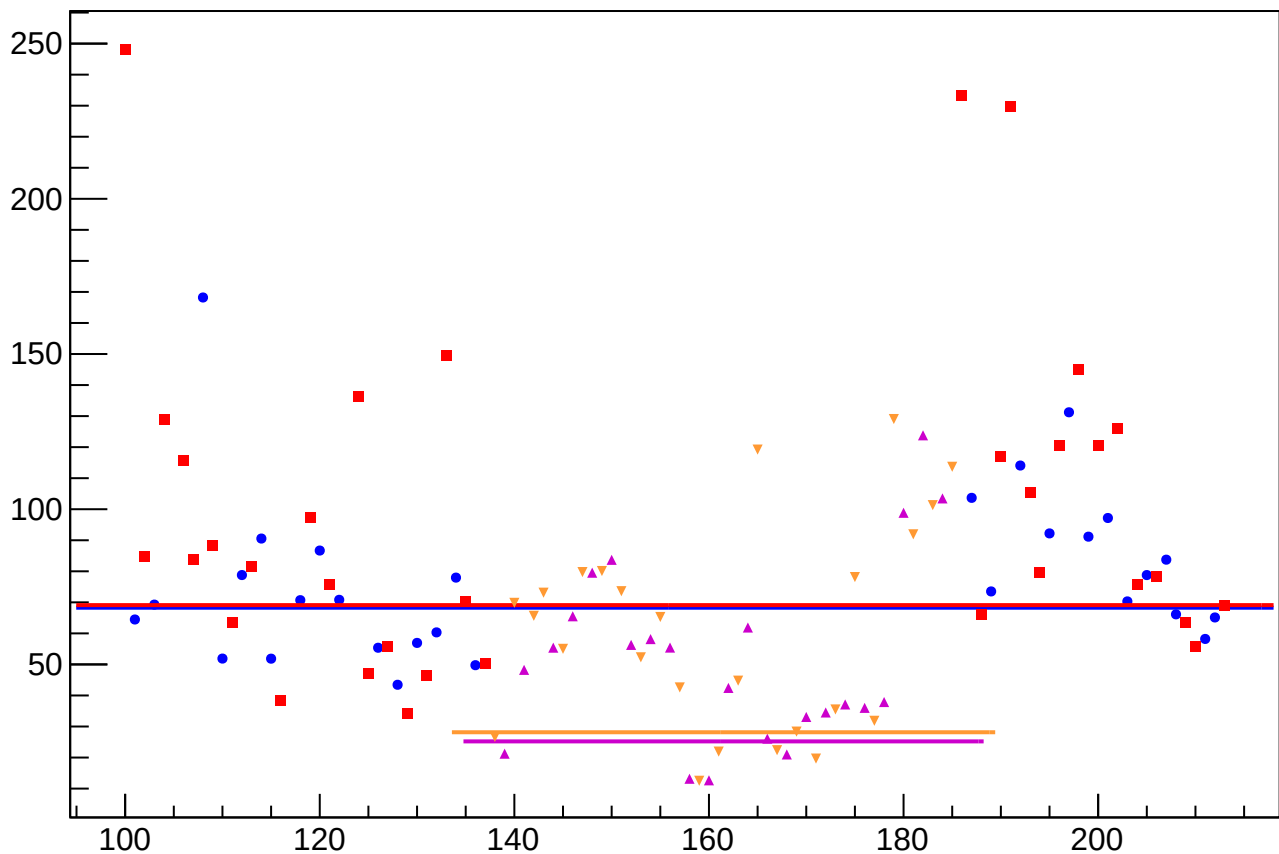
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.012 ± 0.008 χ^2/NDF : 83.0/53

All: 0.013 ± 0.005 χ^2/NDF : 136.3/110

- sign 0.014 ± 0.007 χ^2/NDF : 53.3/56

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.276 ± 0.013 $\chi^2/\text{NDF}: 2094853.8/28$

Left Out: 28.151 ± 0.006 $\chi^2/\text{NDF}: 11070747.0/24$

Right Out: 69.107 ± 0.013 $\chi^2/\text{NDF}: 4468328.4/33$

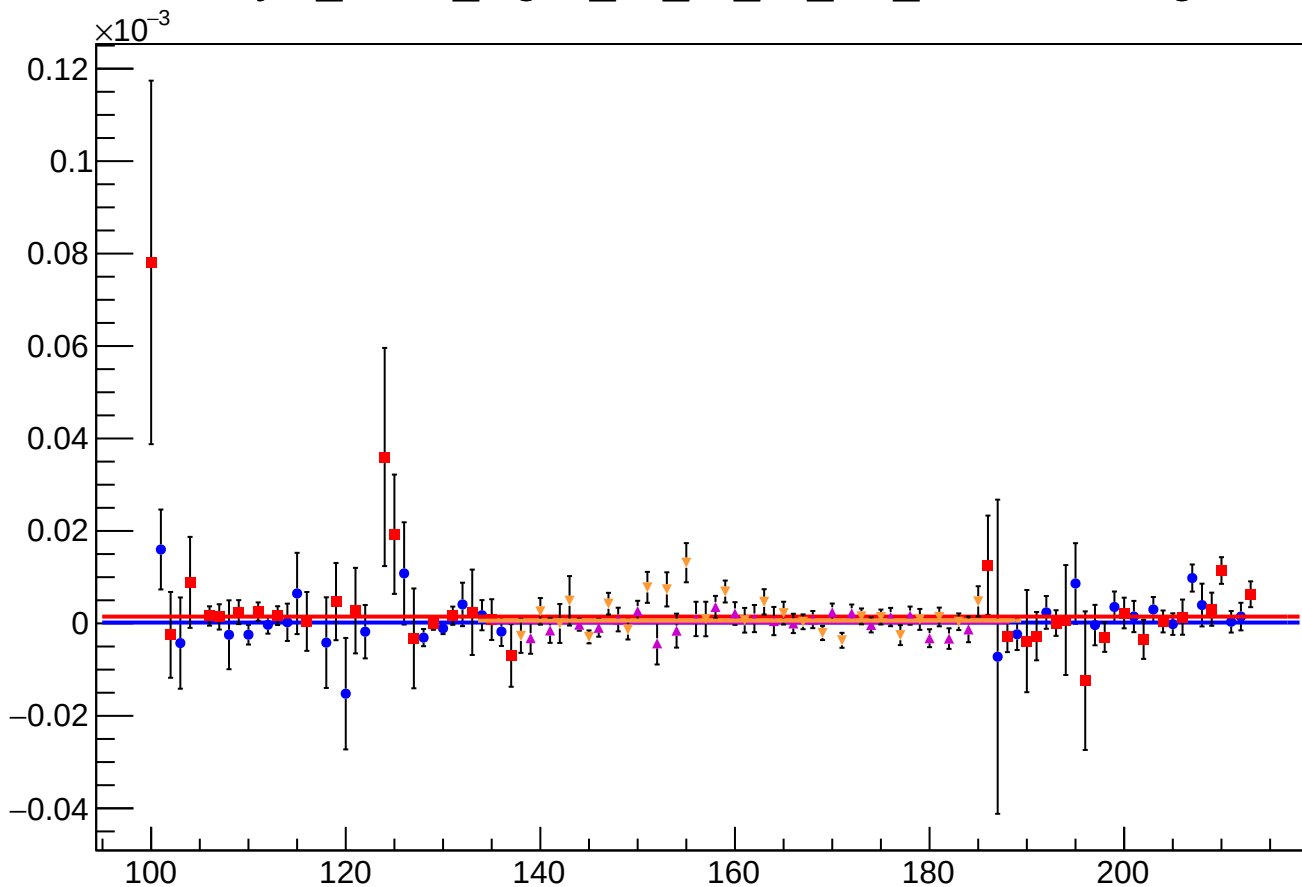
Left In: 25.206 ± 0.006 $\chi^2/\text{NDF}: 9964049.2/22$

+ sign 35.323 ± 0.005 $\chi^2/\text{NDF}: 21211276.2/53$

All: 33.637 ± 0.004 $\chi^2/\text{NDF}: 45495487.1/110$

- sign 32.120 ± 0.005 $\chi^2/\text{NDF}: 24100386.5/56$

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 29.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 35.9/33

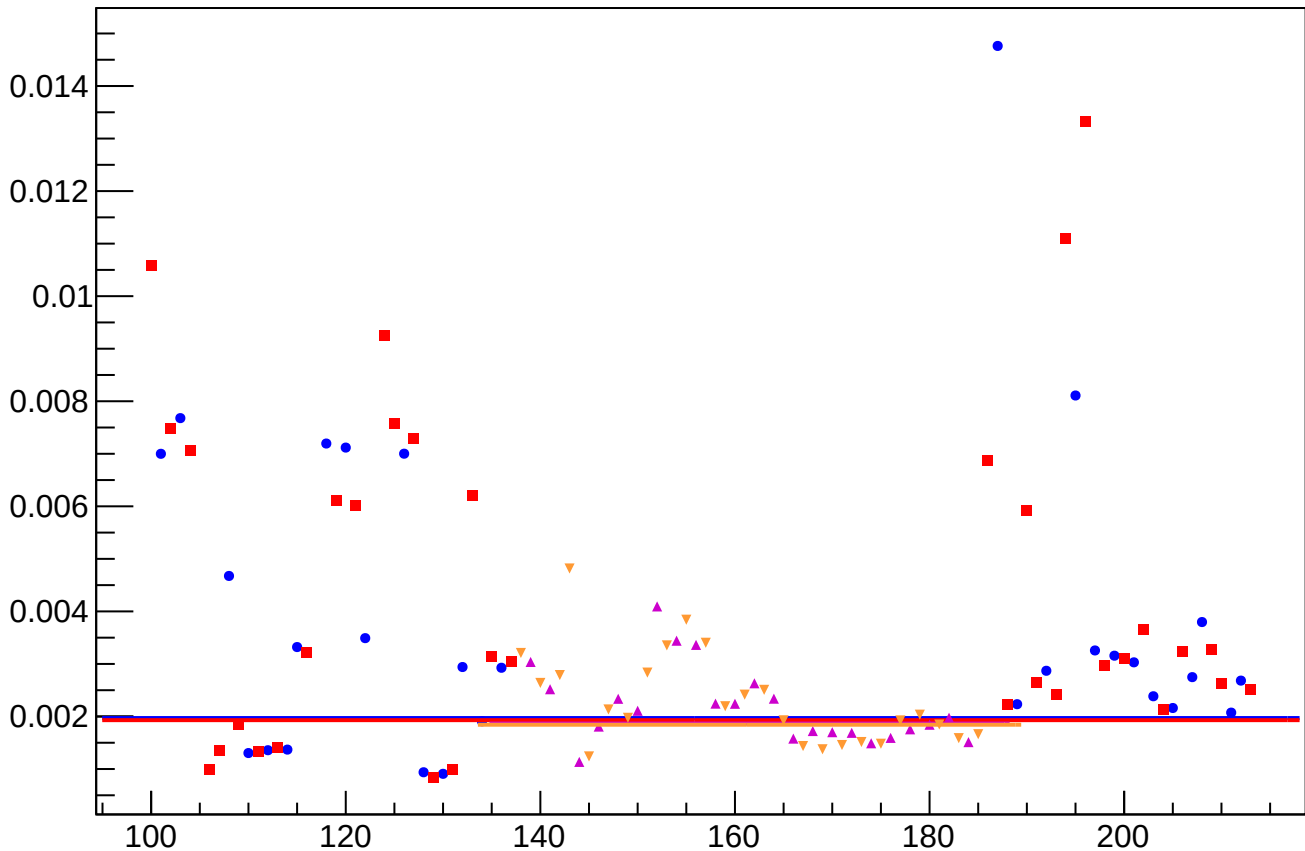
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 82.6/53

All: 0.000 ± 0.000 χ^2/NDF : 138.2/110

- sign 0.000 ± 0.000 χ^2/NDF : 55.3/56

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8585902.2/28

Left Out: 0.002+/-0.000 χ^2/NDF : 3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11445416.6/33

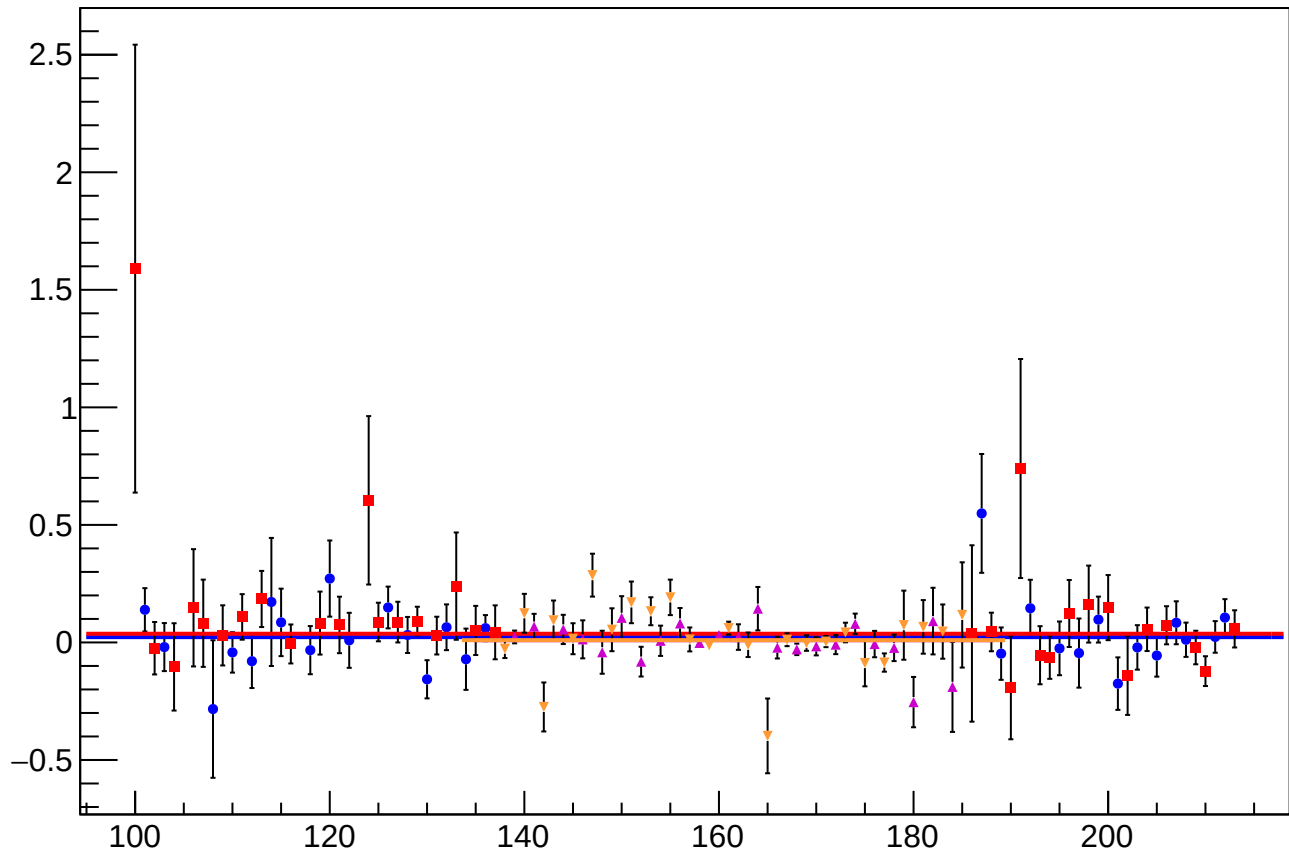
Left In: 0.002+/-0.000 χ^2/NDF : 2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 12429870.6/53

All: 0.002+/-0.000 χ^2/NDF : 26685517.3/110

- sign 0.002+/-0.000 χ^2/NDF : 14255645.6/56

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.018 $\chi^2/\text{NDF}: 27.9/28$

Left Out: 0.010 ± 0.008 $\chi^2/\text{NDF}: 54.6/24$

Right Out: 0.037 ± 0.018 $\chi^2/\text{NDF}: 26.2/33$

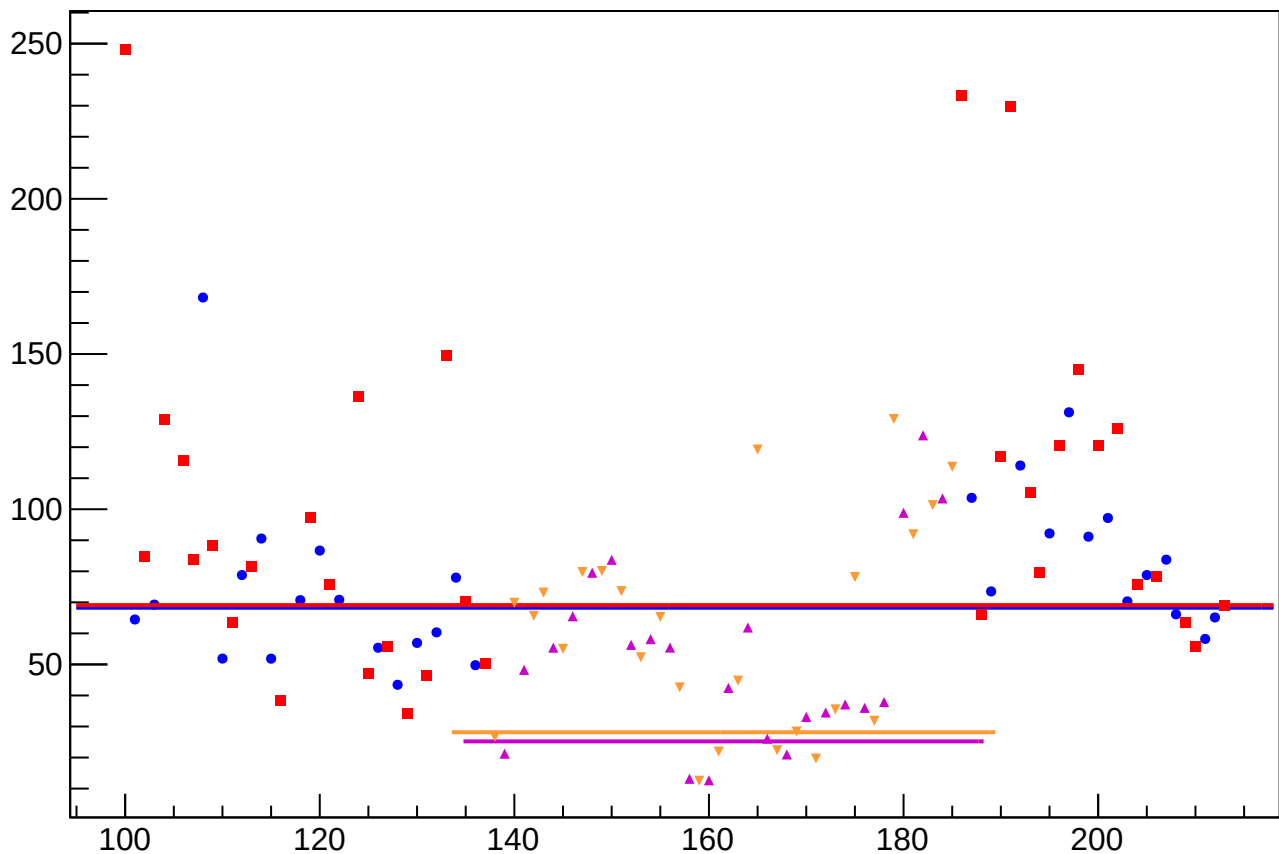
Left In: 0.009 ± 0.008 $\chi^2/\text{NDF}: 25.2/22$

+ sign 0.012 ± 0.008 $\chi^2/\text{NDF}: 83.0/53$

All: 0.013 ± 0.005 $\chi^2/\text{NDF}: 136.3/110$

- sign 0.014 ± 0.007 $\chi^2/\text{NDF}: 53.3/56$

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.276 ± 0.013 $\chi^2/\text{NDF}: 2094842.6/28$

Left Out: 28.150 ± 0.006 $\chi^2/\text{NDF}: 11071818.3/24$

Right Out: 69.108 ± 0.013 $\chi^2/\text{NDF}: 4468380.0/33$

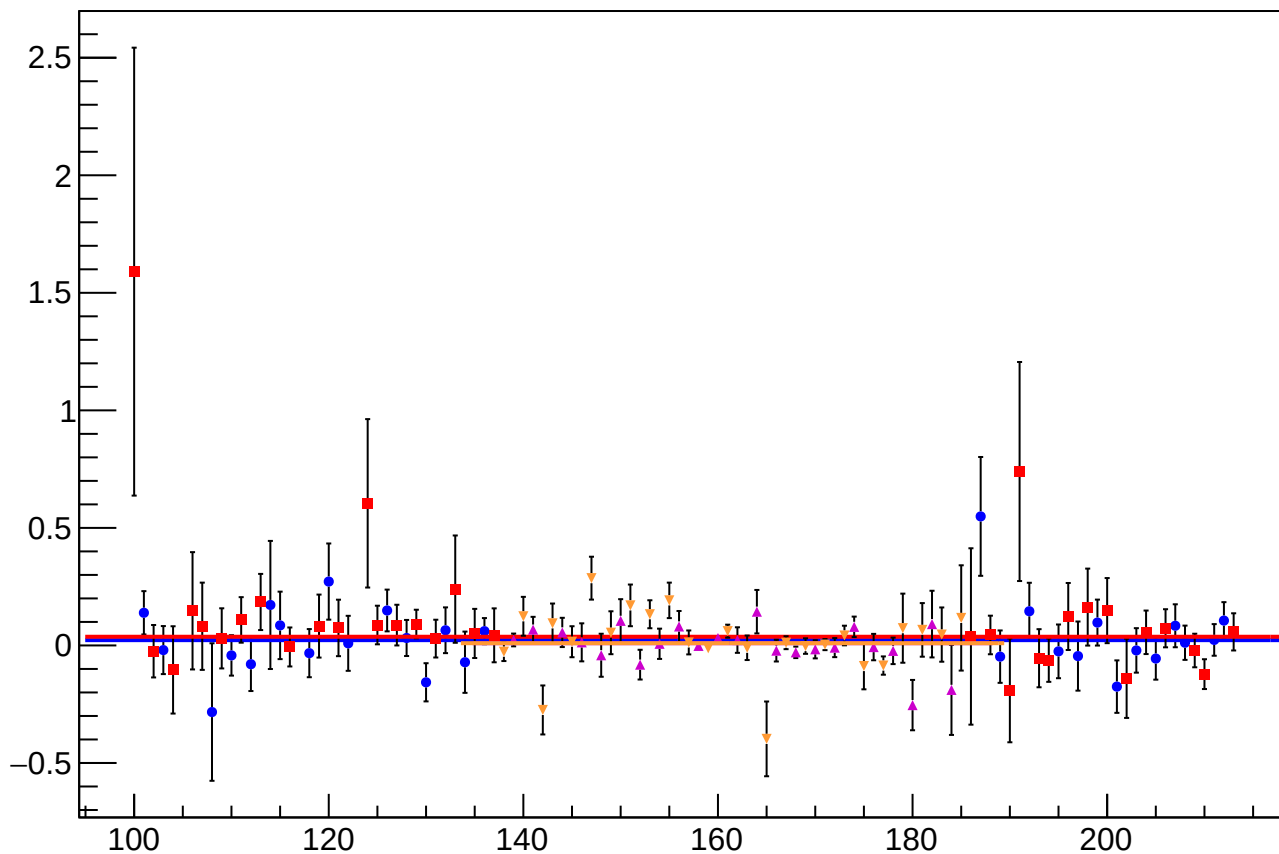
Left In: 25.205 ± 0.006 $\chi^2/\text{NDF}: 9964548.1/22$

+ sign 35.322 ± 0.005 $\chi^2/\text{NDF}: 21212959.1/53$

All: 33.637 ± 0.004 $\chi^2/\text{NDF}: 45497989.0/110$

- sign 32.119 ± 0.005 $\chi^2/\text{NDF}: 24101300.6/56$

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 ± 0.018 χ^2/NDF : 27.9/28

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.037 ± 0.018 χ^2/NDF : 26.2/33

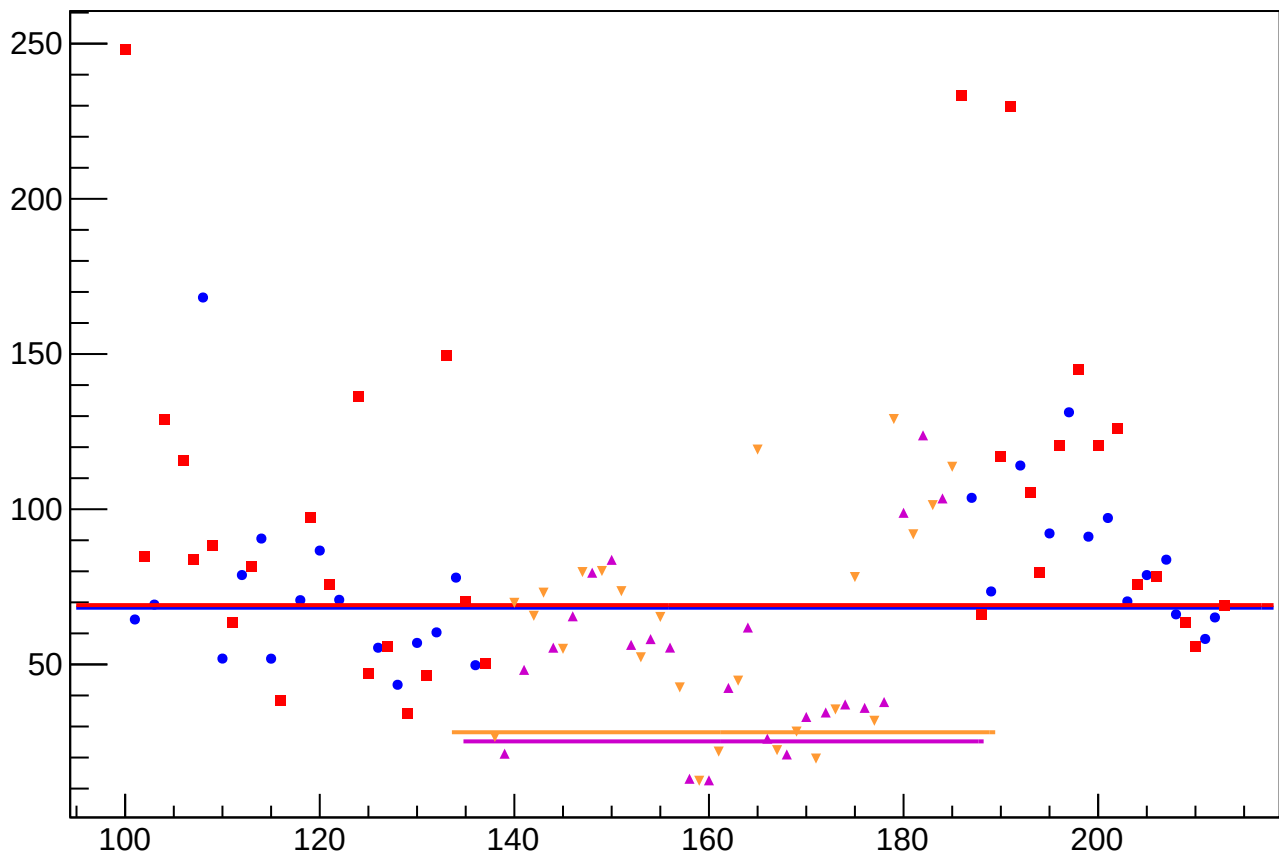
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.012 ± 0.008 χ^2/NDF : 83.0/53

All: 0.013 ± 0.005 χ^2/NDF : 136.3/110

- sign 0.014 ± 0.007 χ^2/NDF : 53.3/56

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.276 ± 0.013 $\chi^2/\text{NDF}: 2094842.6/28$

Left Out: 28.150 ± 0.006 $\chi^2/\text{NDF}: 11071818.3/24$

Right Out: 69.108 ± 0.013 $\chi^2/\text{NDF}: 4468380.0/33$

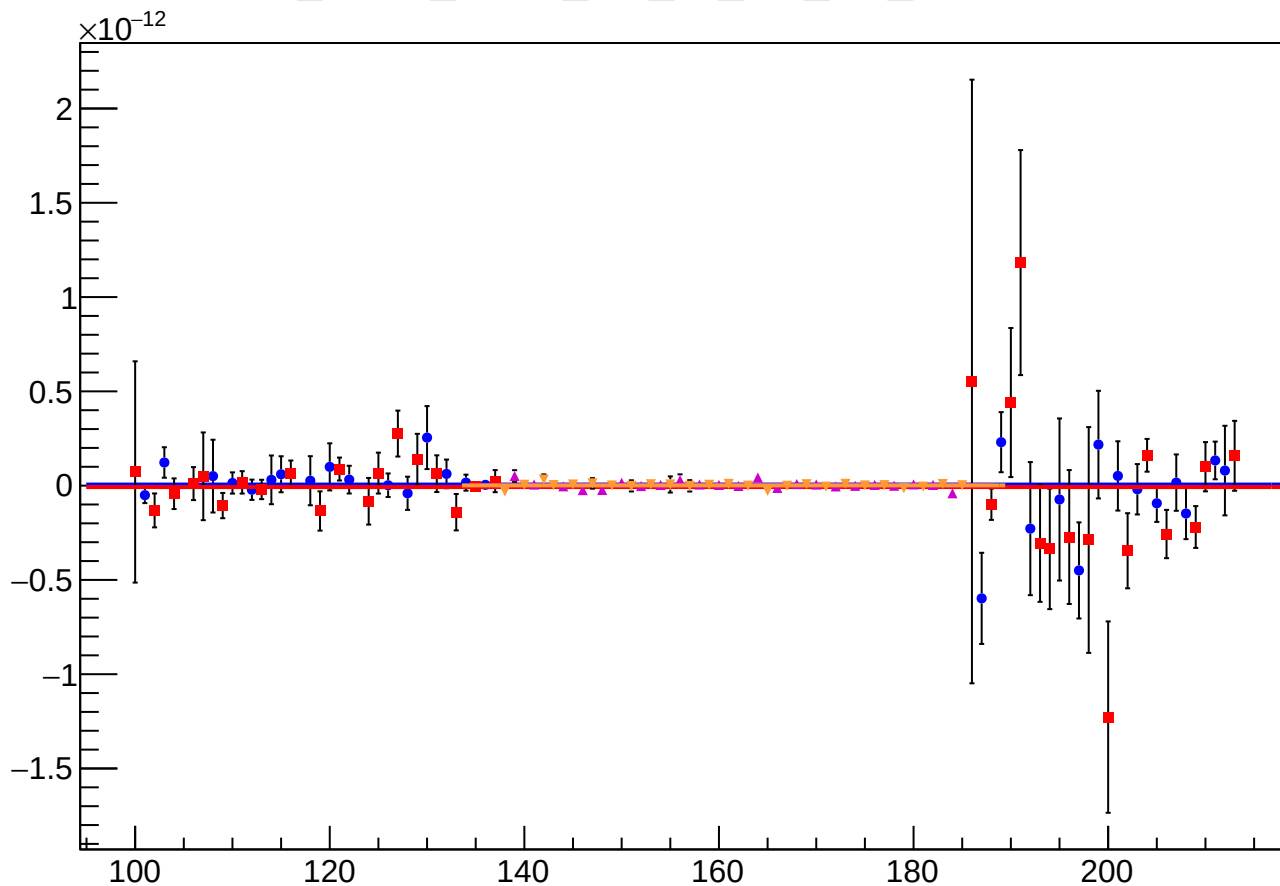
Left In: 25.205 ± 0.006 $\chi^2/\text{NDF}: 9964548.1/22$

+ sign 35.322 ± 0.005 $\chi^2/\text{NDF}: 21212959.1/53$

All: 33.637 ± 0.004 $\chi^2/\text{NDF}: 45497989.0/110$

- sign 32.119 ± 0.005 $\chi^2/\text{NDF}: 24101300.6/56$

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.3/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 50.5/33

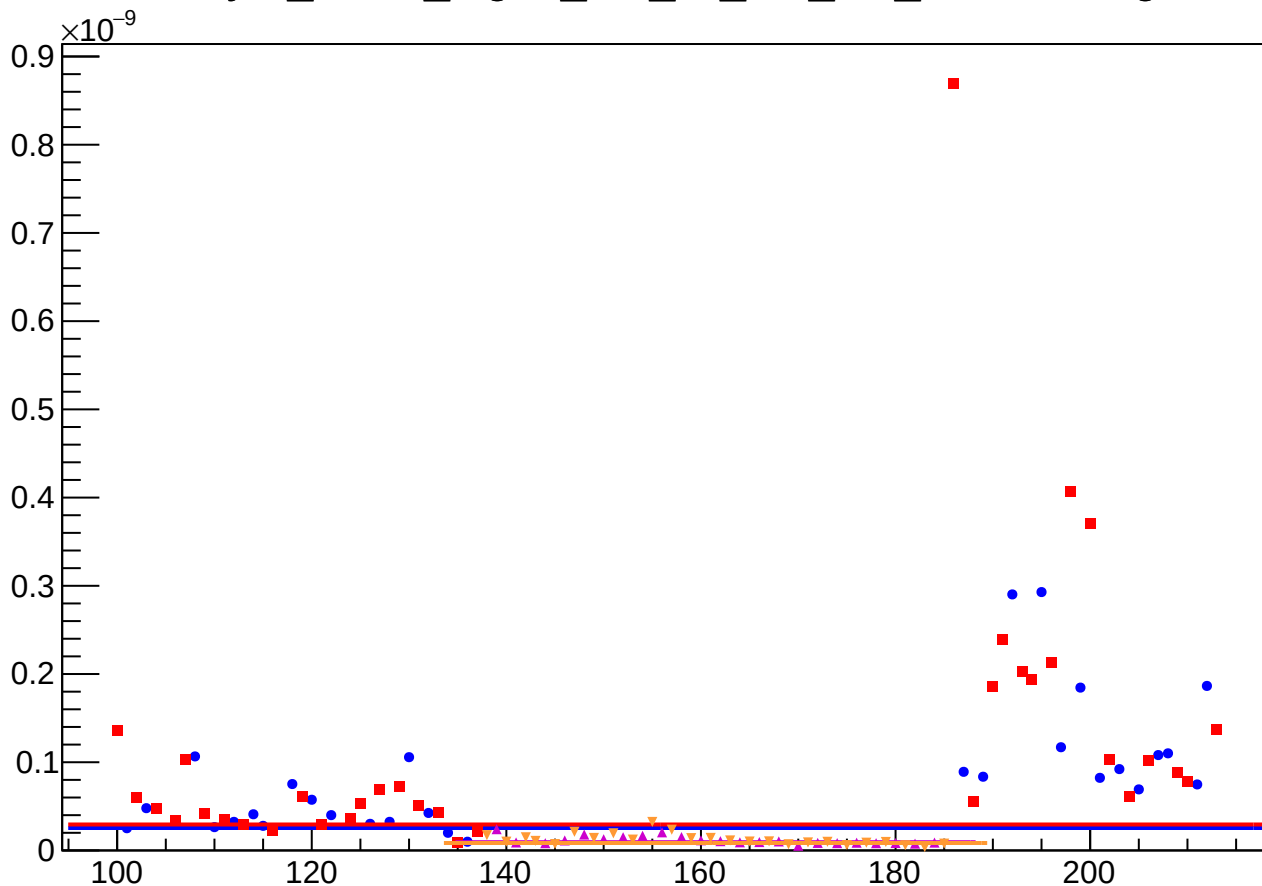
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 108.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 71.8/56

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10576318.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11369043.1/33

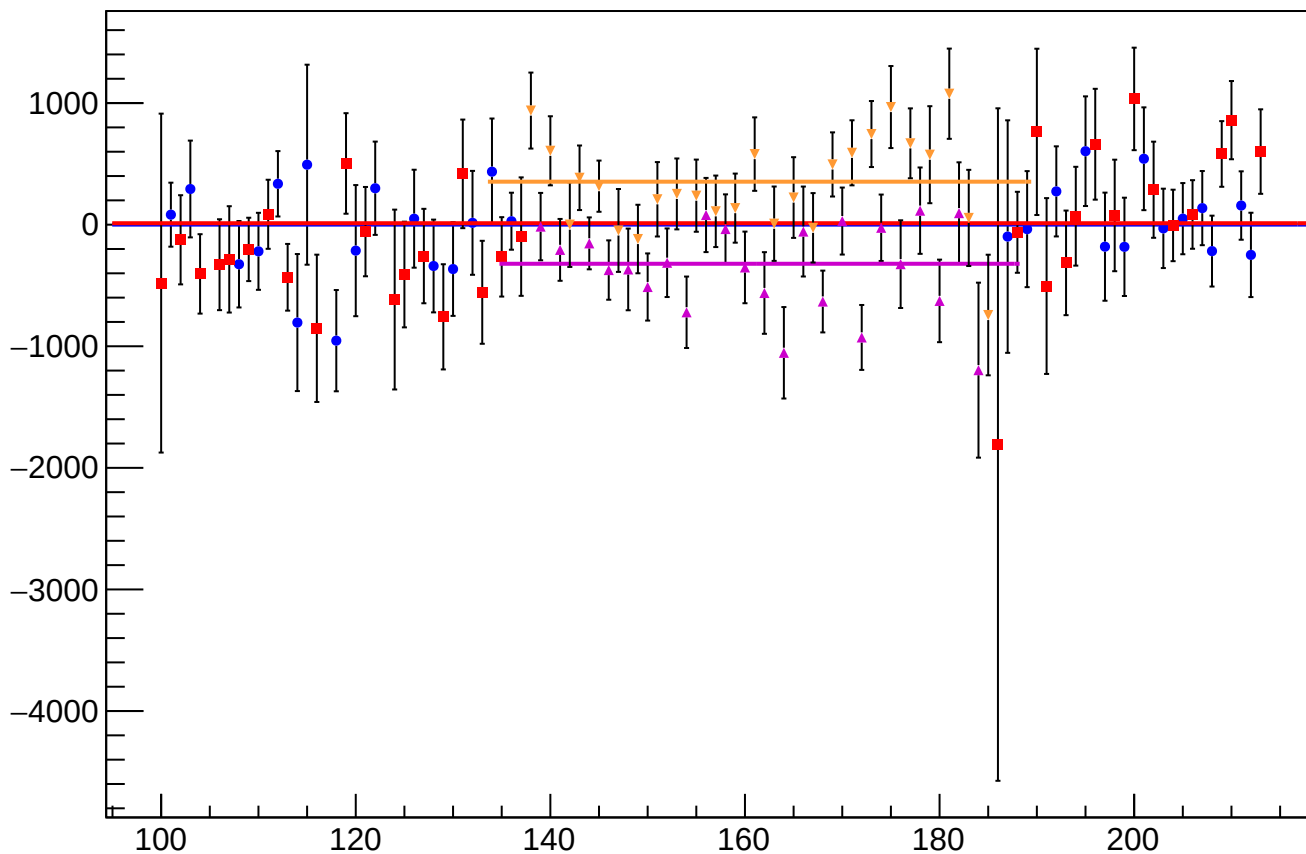
Left In: 0.000+/-0.000 χ^2/NDF : 2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18908328.5/53

All: 0.000+/-0.000 χ^2/NDF : 37180358.9/110

- sign 0.000+/-0.000 χ^2/NDF : 18129411.9/56

reg_asym_sam4_mean vs Slug



Right In: 0.593 ± 67.303 χ^2/NDF : 20.6/28

Left Out: 353.617 ± 60.149 χ^2/NDF : 32.3/24

Right Out: 12.005 ± 65.728 χ^2/NDF : 44.3/33

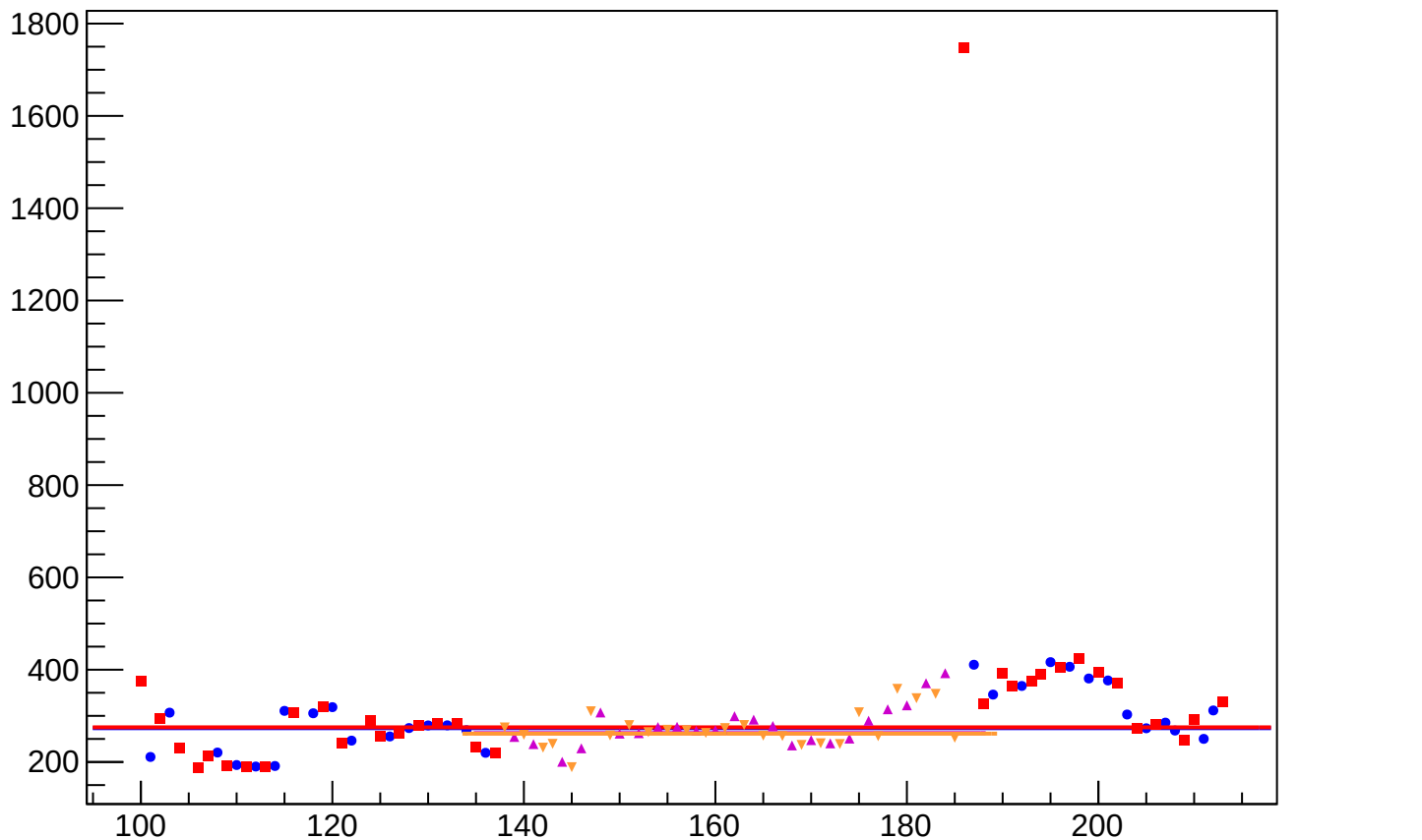
Left In: -321.510 ± 62.113 χ^2/NDF : 26.2/22

+ sign 196.858 ± 44.848 χ^2/NDF : 68.3/53

All: 17.529 ± 31.817 χ^2/NDF : 184.6/110

- sign -164.176 ± 45.145 χ^2/NDF : 84.1/56

reg_asym_sam4_rms vs Slug



Right In: 273.299+/-0.048 χ^2/NDF : 1590245.2/28

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 275.135+/-0.046 χ^2/NDF : 2599161.7/33

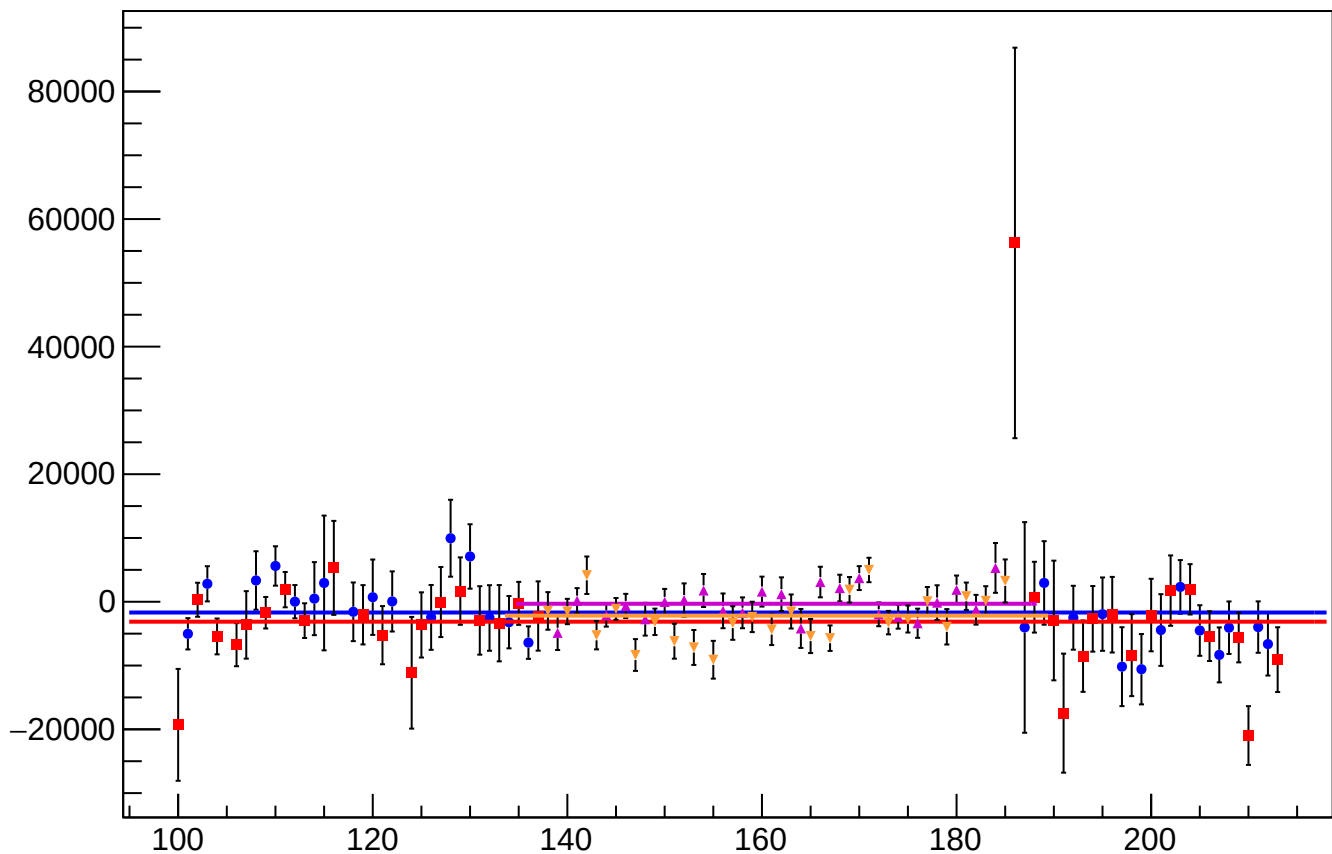
Left In: 262.616+/-0.044 χ^2/NDF : 670646.3/22

+ sign 266.722+/-0.032 χ^2/NDF : 2340062.1/53

All: 267.616+/-0.022 χ^2/NDF : 5649792.5/110

- sign 268.522+/-0.032 χ^2/NDF : 3308131.6/56

asym_sam4_reg_correction_mean vs Slug



Right In: -1685.942 $\pm$ 781.509 χ^2 /NDF: 33.5/28

Left Out: -2171.840 $\pm$ 461.649 χ^2 /NDF:55.5/24

Right Out: -3124.033 $\pm$ 750.636 χ^2 /NDF: 42.7/33

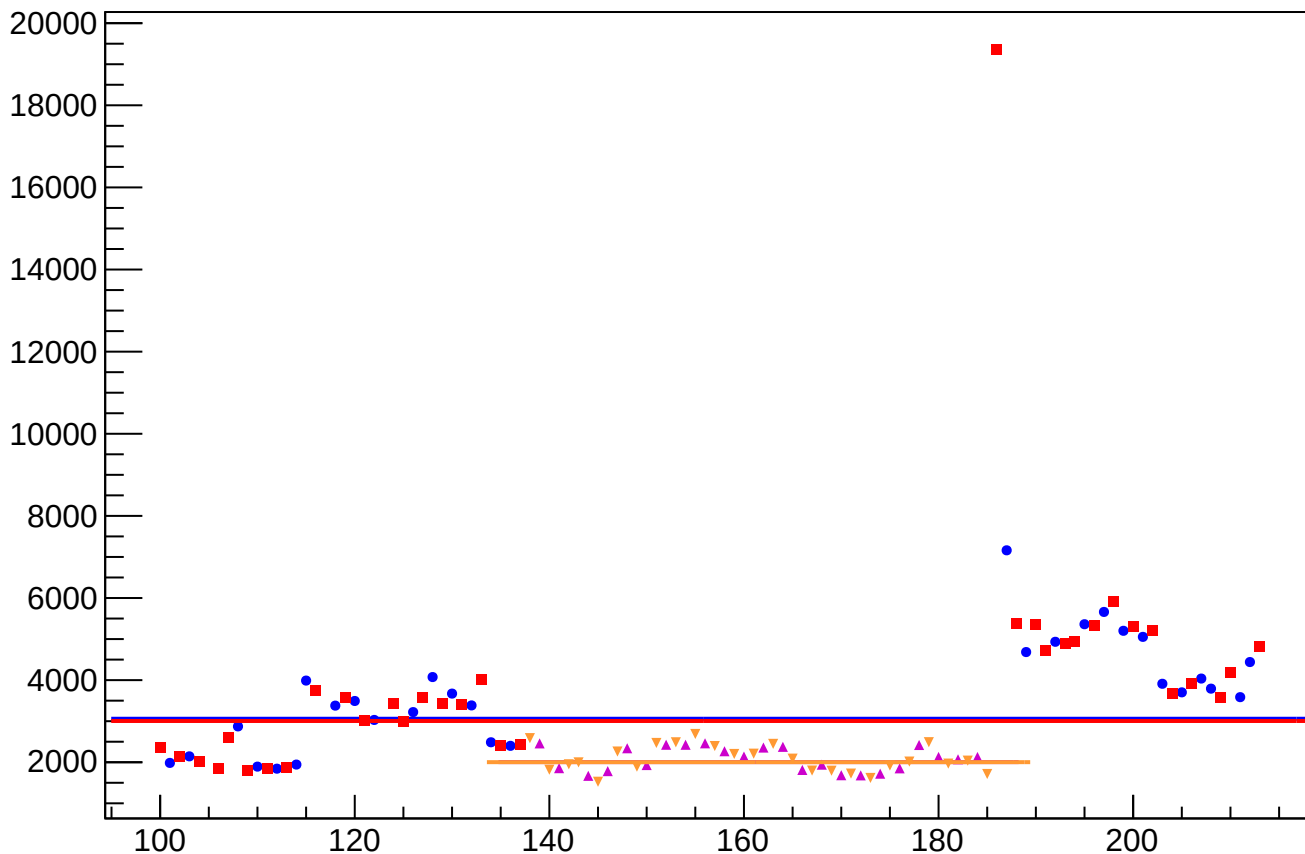
Left In: -313.739 $\pm$ 474.086 χ^2 /NDF:23.7/22

+ sign -2046.148 $\pm$ 397.480 χ^2 /NDF: 89.3/53

All: -1584.532 $\pm$ 282.239 χ^2 /NDF: 168.3/110

- sign -1115.090 $\pm$ 400.834 χ^2 /NDF: 76.3/56

asym_sam4_reg_correction_rms vs Slug



Right In: 3059.305+/-0.553 χ^2/NDF : 3954886.8/28

Left Out: 2002.229+/-0.326 χ^2/NDF : 892707.2/24

Right Out: 3005.347+/-0.531 χ^2/NDF : 5741483.5/33

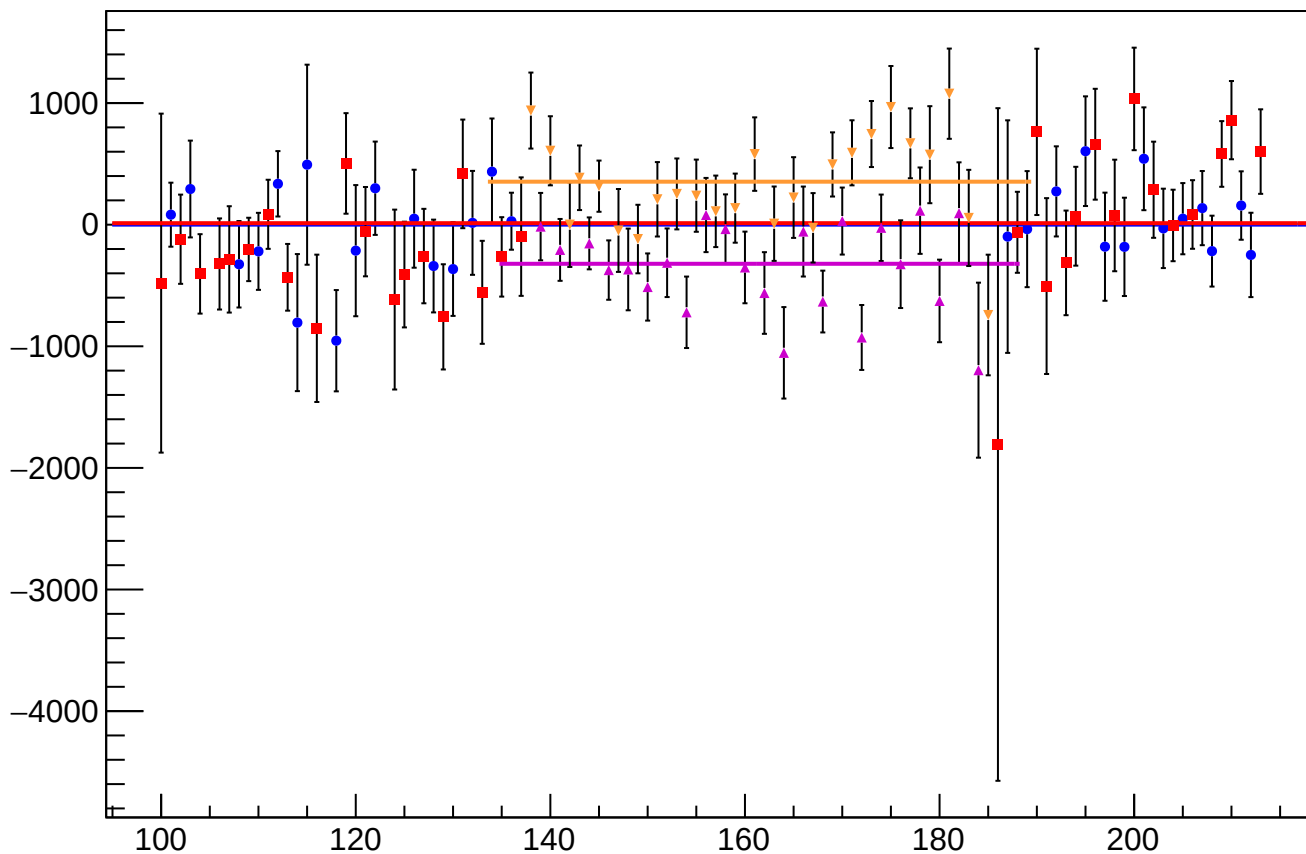
Left In: 2004.244+/-0.335 χ^2/NDF : 704919.9/22

+ sign 2275.672+/-0.281 χ^2/NDF : 7560159.0/53

All: 2282.631+/-0.200 χ^2/NDF : 16550789.2/100

- sign 2289.707+/-0.283 χ^2/NDF : 8989394.0/56

cor_asym_sam4_mean vs Slug



Right In: 0.581 ± 67.303 $\chi^2/\text{NDF}: 20.6/28$

Left Out: 353.640 ± 60.149 $\chi^2/\text{NDF}: 32.3/24$

Right Out: 12.395 ± 65.734 $\chi^2/\text{NDF}: 44.3/33$

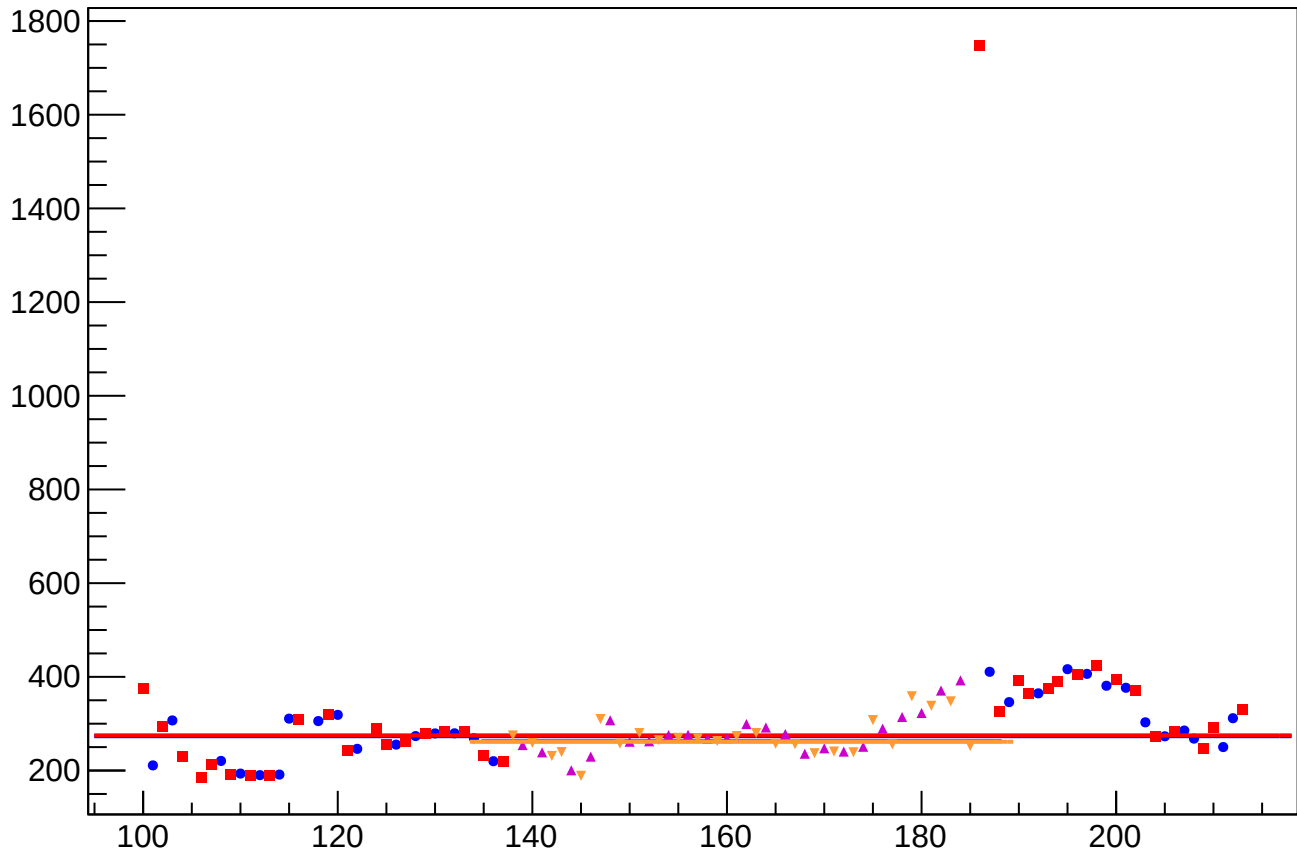
Left In: -321.514 ± 62.113 $\chi^2/\text{NDF}: 26.2/22$

+ sign 196.866 ± 44.848 $\chi^2/\text{NDF}: 68.3/53$

All: 17.623 ± 31.817 $\chi^2/\text{NDF}: 184.6/110$

- sign -164.009 ± 45.146 $\chi^2/\text{NDF}: 84.1/56$

cor_asym_sam4_rms vs Slug



Right In: 273.299+/-0.048 χ^2/NDF : 1590246.6/28

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF : 2605092.6/33

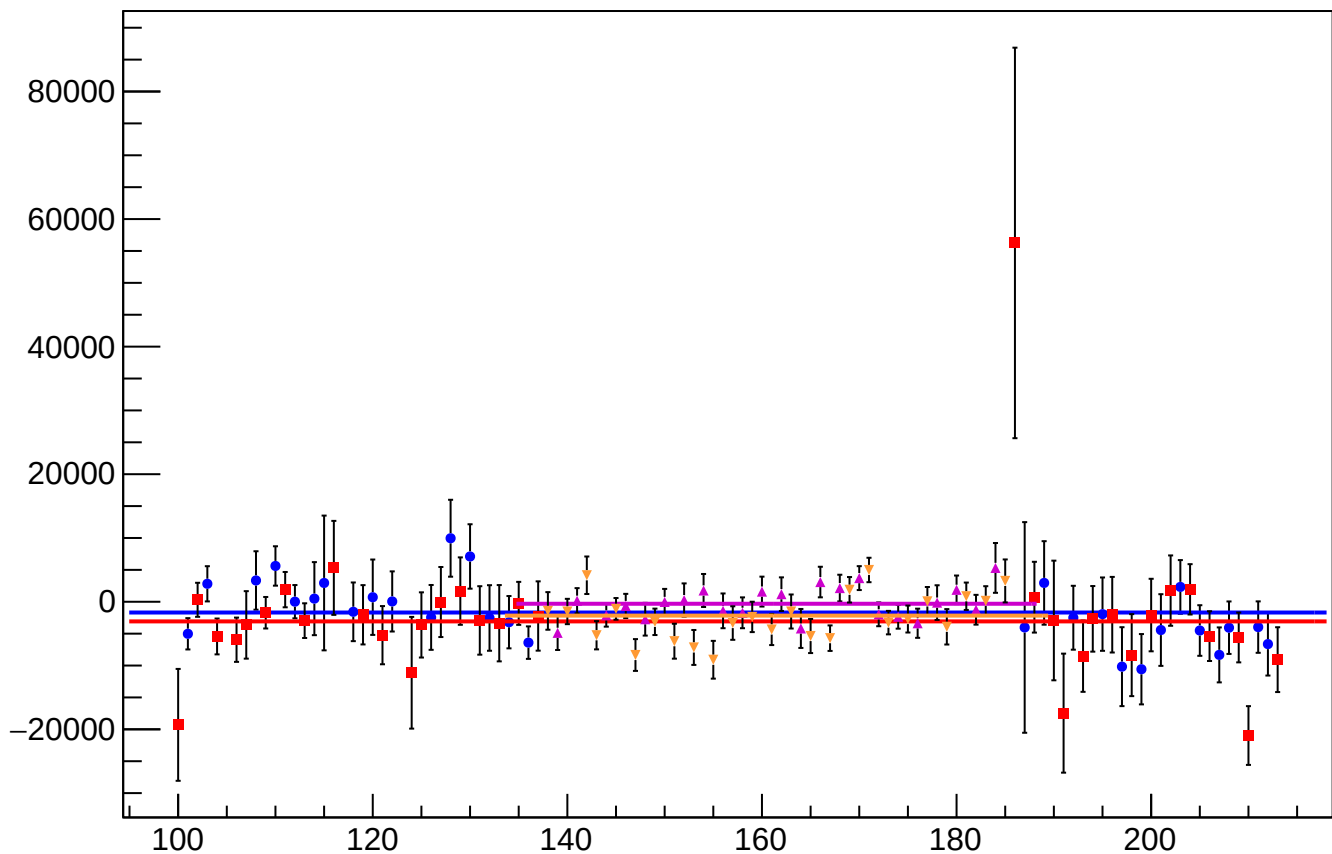
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 266.722+/-0.032 χ^2/NDF : 2340063.7/53

All: 267.601+/-0.022 χ^2/NDF : 5655297.3/110

- sign 268.492+/-0.032 χ^2/NDF : 3313686.5/56

asym_sam4_cor_correction_mean vs Slug



Right In: -1686.066 ± 781.514 χ^2/NDF : 33.5/28

Left Out: -2171.811 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -3079.155 ± 751.636 χ^2/NDF : 42.2/33

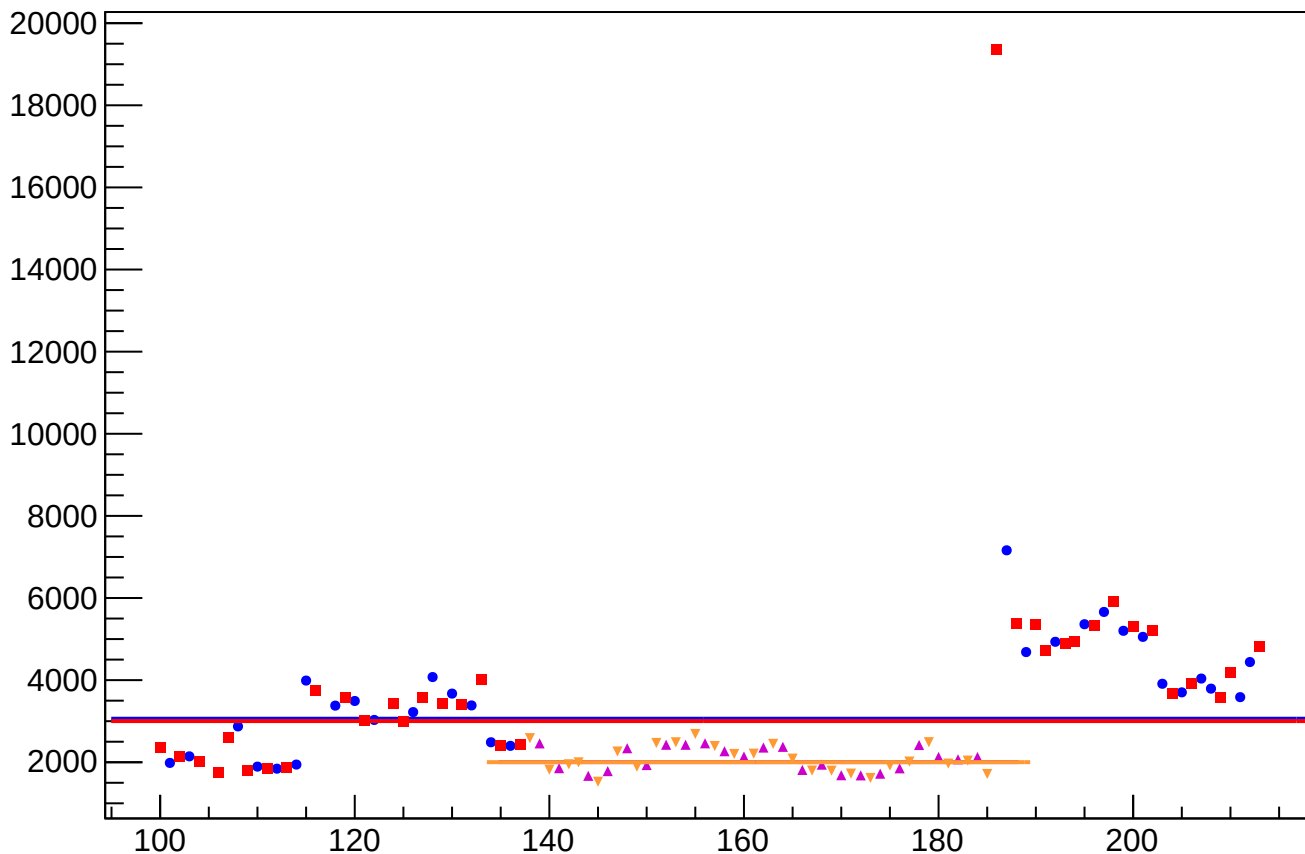
Left In: -313.745 ± 474.086 χ^2/NDF : 23.7/22

+ sign -2046.160 ± 397.480 χ^2/NDF : 89.3/53

All: -1577.630 ± 282.292 χ^2/NDF : 167.6/110

- sign -1100.798 ± 400.986 χ^2/NDF : 75.5/56

asym_sam4_cor_correction_rms vs Slug



Right In: 3059.329+/-0.553 χ^2/NDF : 3954777.1/28

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 3003.233+/-0.531 χ^2/NDF : 5773412.4/33

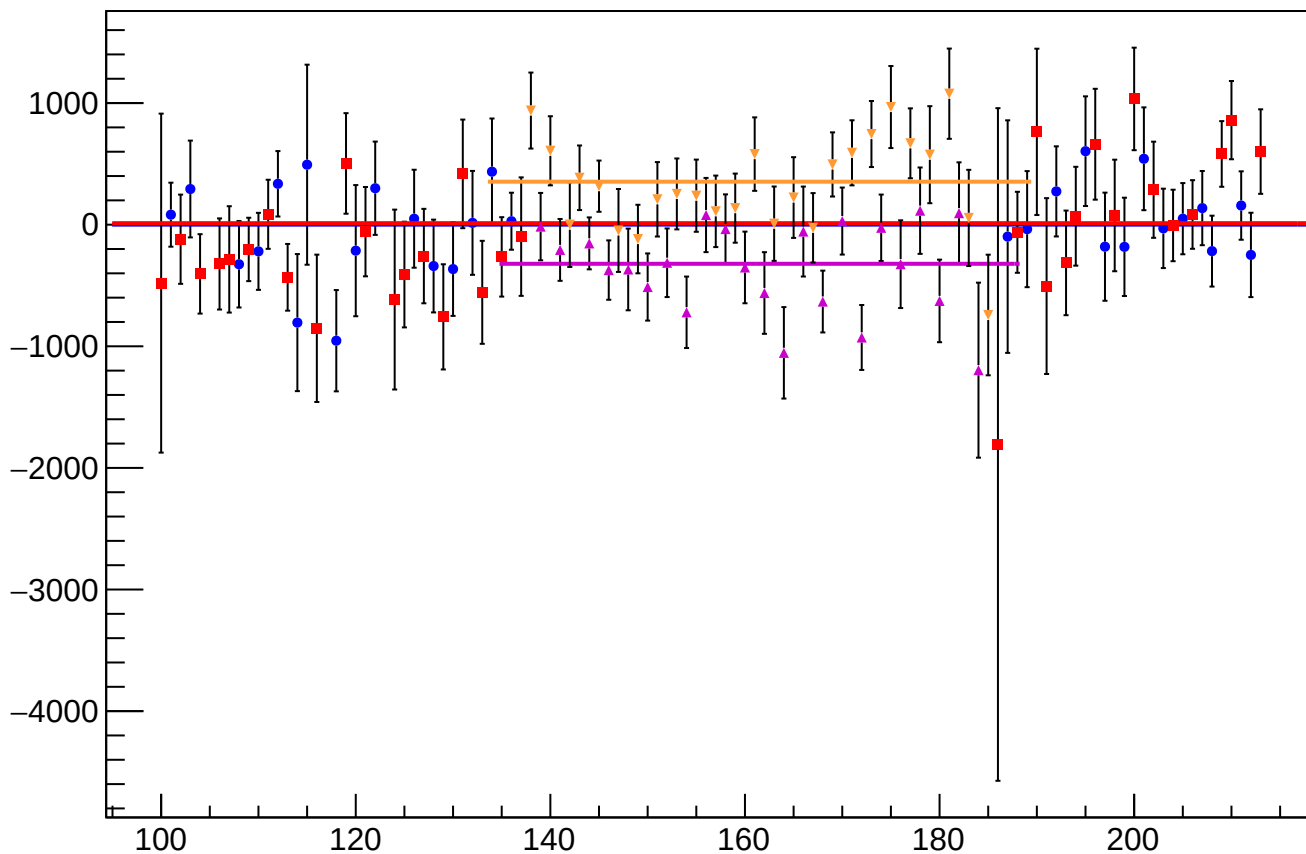
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2275.676+/-0.281 χ^2/NDF : 7560147.7/53

All: 2282.063+/-0.200 χ^2/NDF : 16566964.6/100

- sign 2288.563+/-0.284 χ^2/NDF : 9005775.0/56

eigen_cor_asym_sam4_mean vs Slug



Right In: 0.581 ± 67.303 χ^2/NDF : 20.6/28

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: 12.395 ± 65.734 χ^2/NDF : 44.3/33

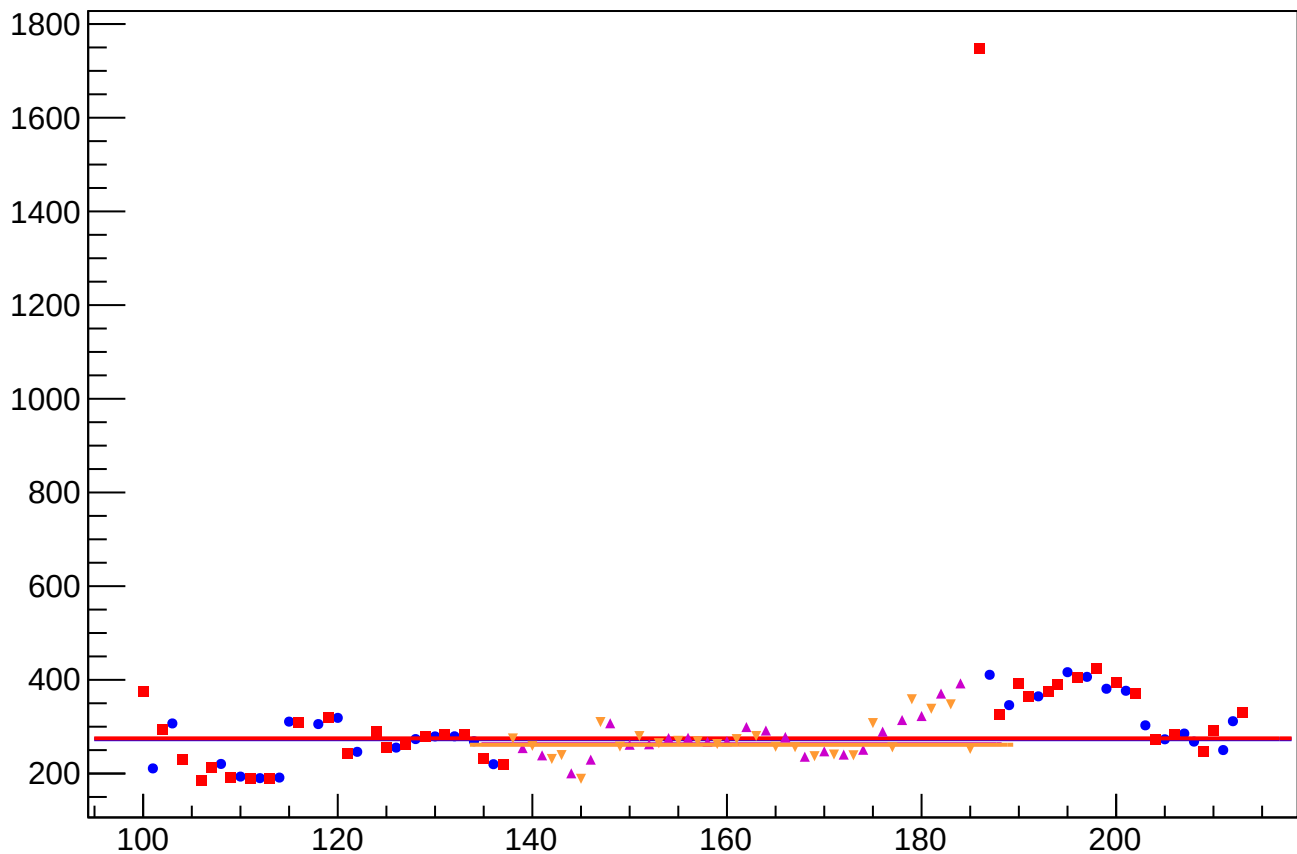
Left In: -321.514 ± 62.113 χ^2/NDF : 26.2/22

+ sign 196.866 ± 44.848 χ^2/NDF : 68.3/53

All: 17.623 ± 31.817 χ^2/NDF : 184.6/110

- sign -164.009 ± 45.146 χ^2/NDF : 84.1/56

eigen_cor_asym_sam4_rms vs Slug



Right In: 273.299+/-0.048 χ^2/NDF : 1590246.6/28

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF : 2605092.6/33

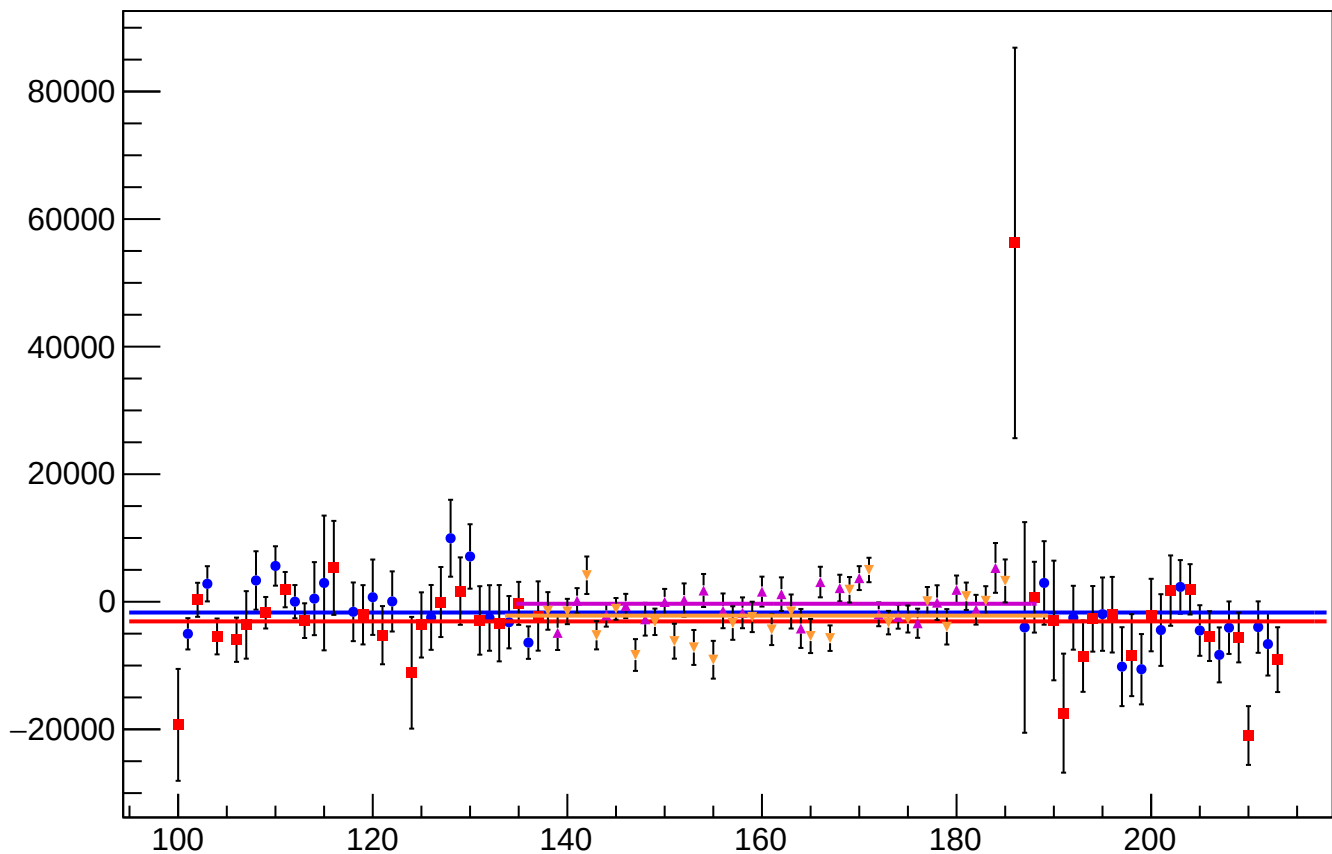
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 266.722+/-0.032 χ^2/NDF : 2340063.7/53

All: 267.601+/-0.022 χ^2/NDF : 5655297.3/110

- sign 268.492+/-0.032 χ^2/NDF : 3313686.5/56

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1686.066 $\pm$ 781.514 χ^2 /NDF: 33.5/28

Left Out: -2171.811 $\pm$ 461.649 χ^2 /NDF:55.5/24

Right Out: -3079.155 $\pm$ 751.636 χ^2 /NDF: 42.2/33

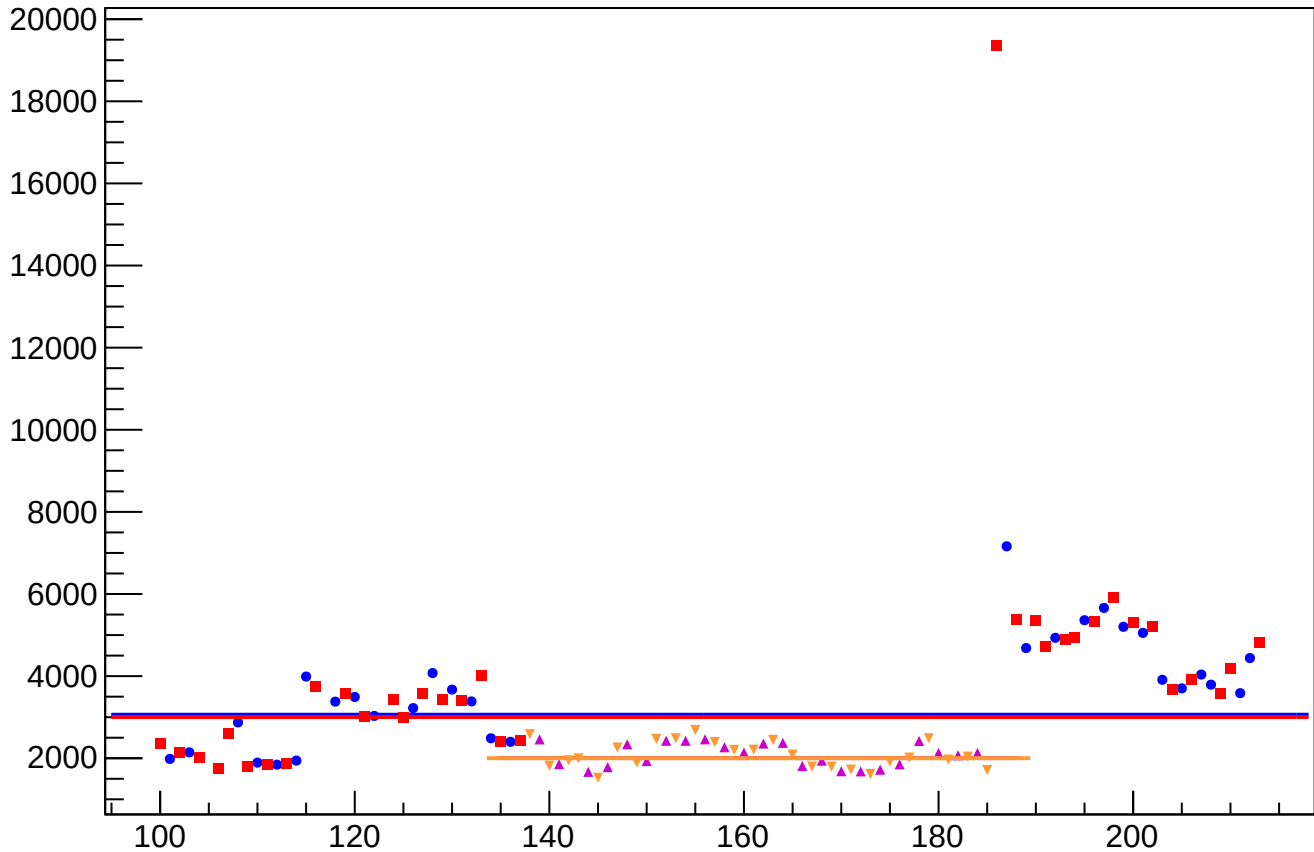
Left In: -313.745 $\pm$ 474.086 χ^2 /NDF:23.7/22

+ sign -2046.160 $\pm$ 397.480 χ^2 /NDF: 89.3/53

All: -1577.630 $\pm$ 282.292 χ^2 /NDF: 167.6/110

- sign -1100.798 $\pm$ 400.986 χ^2 /NDF: 75.5/56

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3059.329+/-0.553 χ^2/NDF : 3954777.1/28

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 3003.233+/-0.531 χ^2/NDF : 5773412.4/33

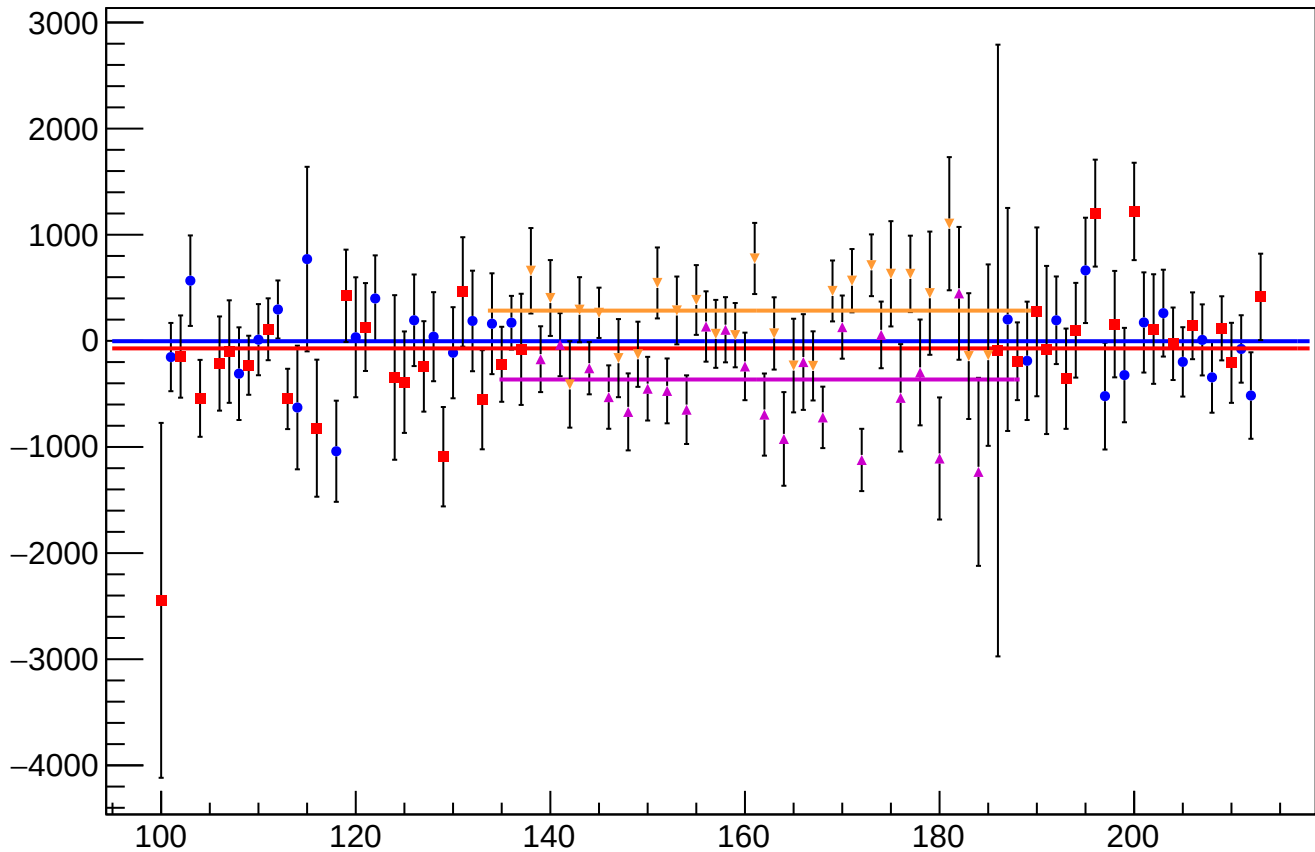
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2275.676+/-0.281 χ^2/NDF : 7560147.7/53

All: 2282.063+/-0.200 χ^2/NDF : 16566964.6/100

- sign 2288.563+/-0.284 χ^2/NDF : 9005775.0/56

dit_asym_sam4_mean vs Slug



Right In: -3.367 ± 74.897 χ^2/NDF : 19.7/28

Left Out: 284.913 ± 70.036 χ^2/NDF : 22.8/24

Right Out: -71.187 ± 72.545 χ^2/NDF : 35.9/33

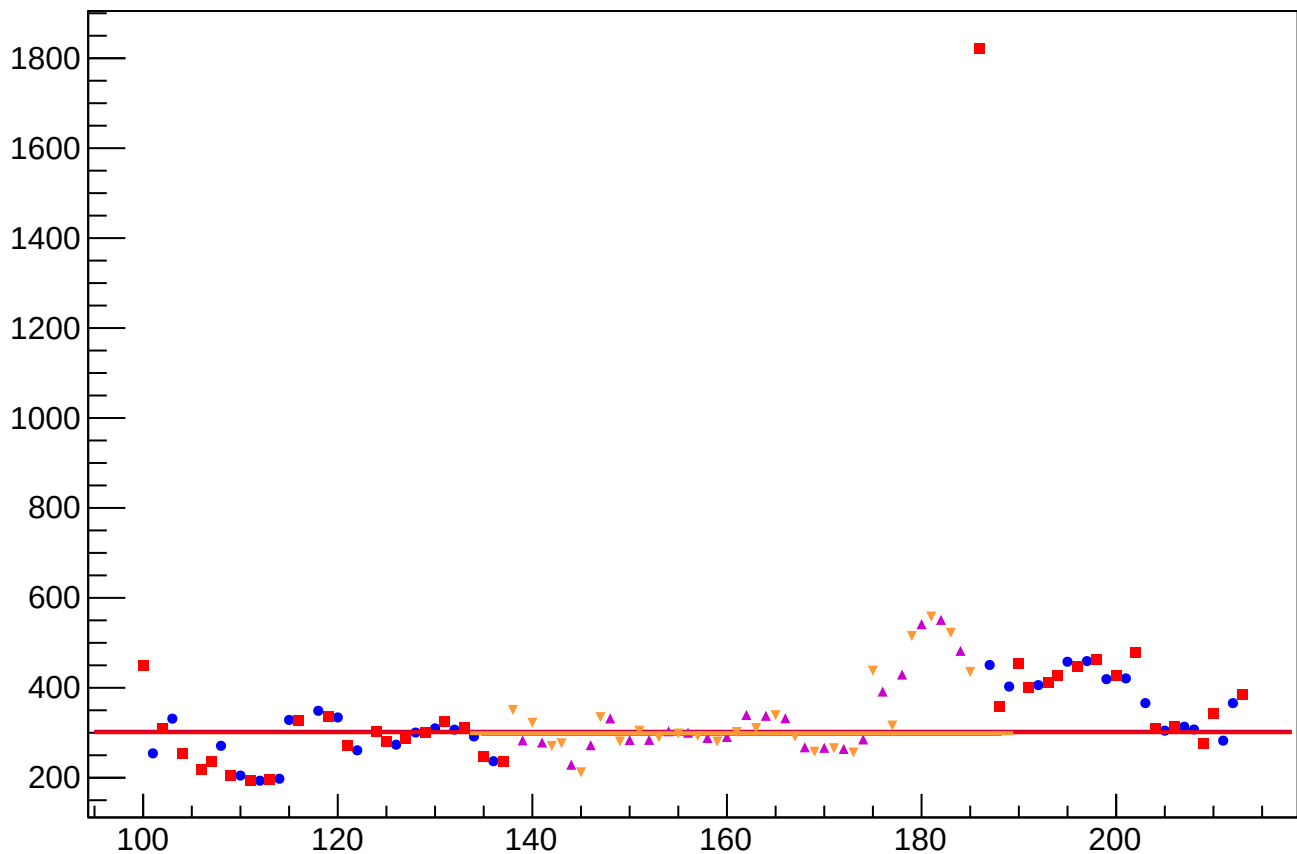
Left In: -364.163 ± 71.714 χ^2/NDF : 28.2/22

+ sign 150.431 ± 51.155 χ^2/NDF : 50.5/53

All: -35.027 ± 36.118 χ^2/NDF : 149.0/110

- sign -219.364 ± 51.001 χ^2/NDF : 72.4/56

dit_asym_sam4_rms vs Slug



Right In: 302.251+/-0.053 χ^2/NDF : 1802879.1/28

Left Out: 298.938+/-0.050 χ^2/NDF : 1613077.3/24

Right Out: 301.226+/-0.051 χ^2/NDF : 2934621.0/33

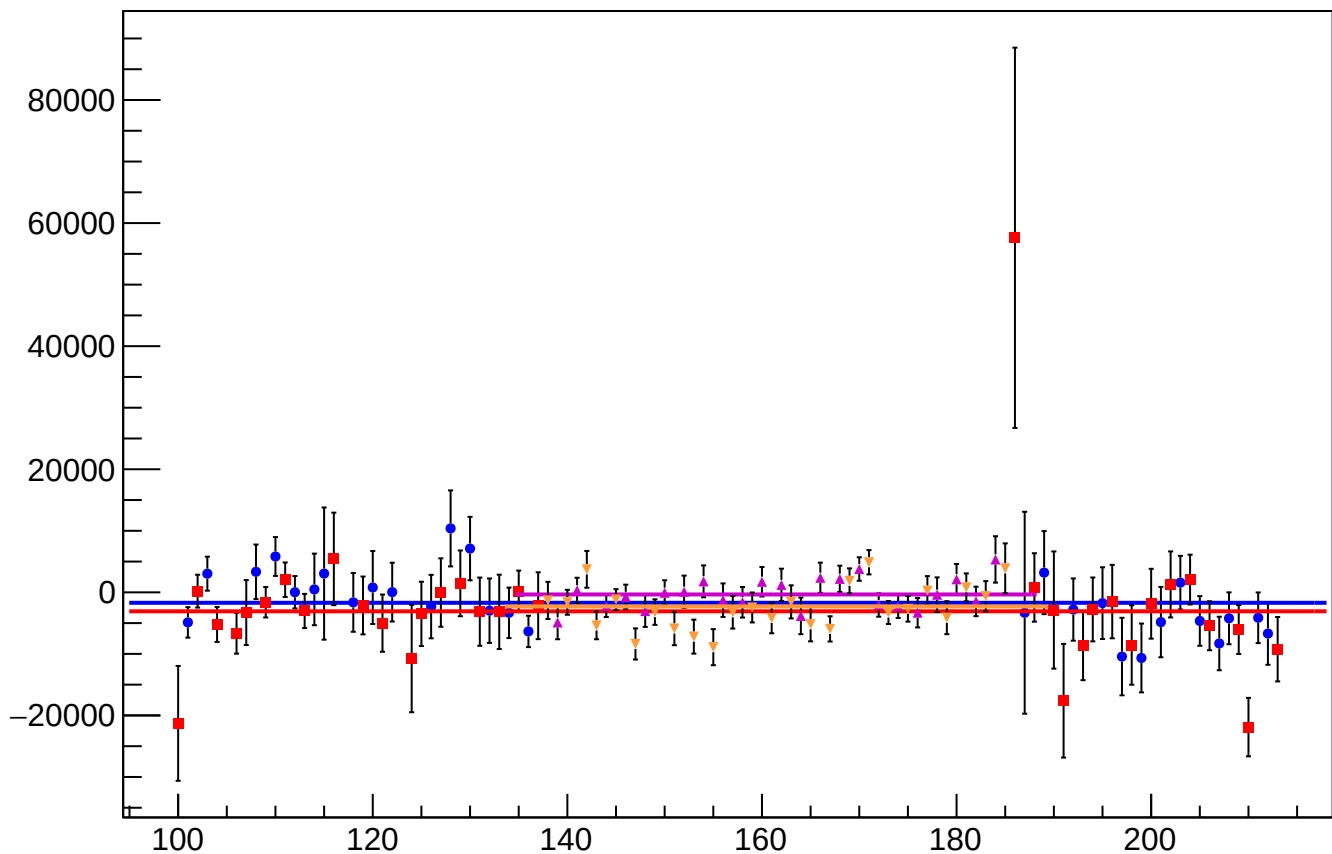
Left In: 297.885+/-0.051 χ^2/NDF : 1319062.0/22

+ sign 300.483+/-0.036 χ^2/NDF : 3418043.8/53

All: 300.008+/-0.026 χ^2/NDF : 7674215.7/110

- sign 299.536+/-0.036 χ^2/NDF : 4255828.2/56

asym_sam4_dit_correction_mean vs Slug



Right In: -1698.508 ± 790.759 χ^2/NDF : 33.4/28

Left Out: -2290.992 ± 470.518 χ^2/NDF : 51.7/24

Right Out: -3081.219 ± 757.501 χ^2/NDF : 43.9/33

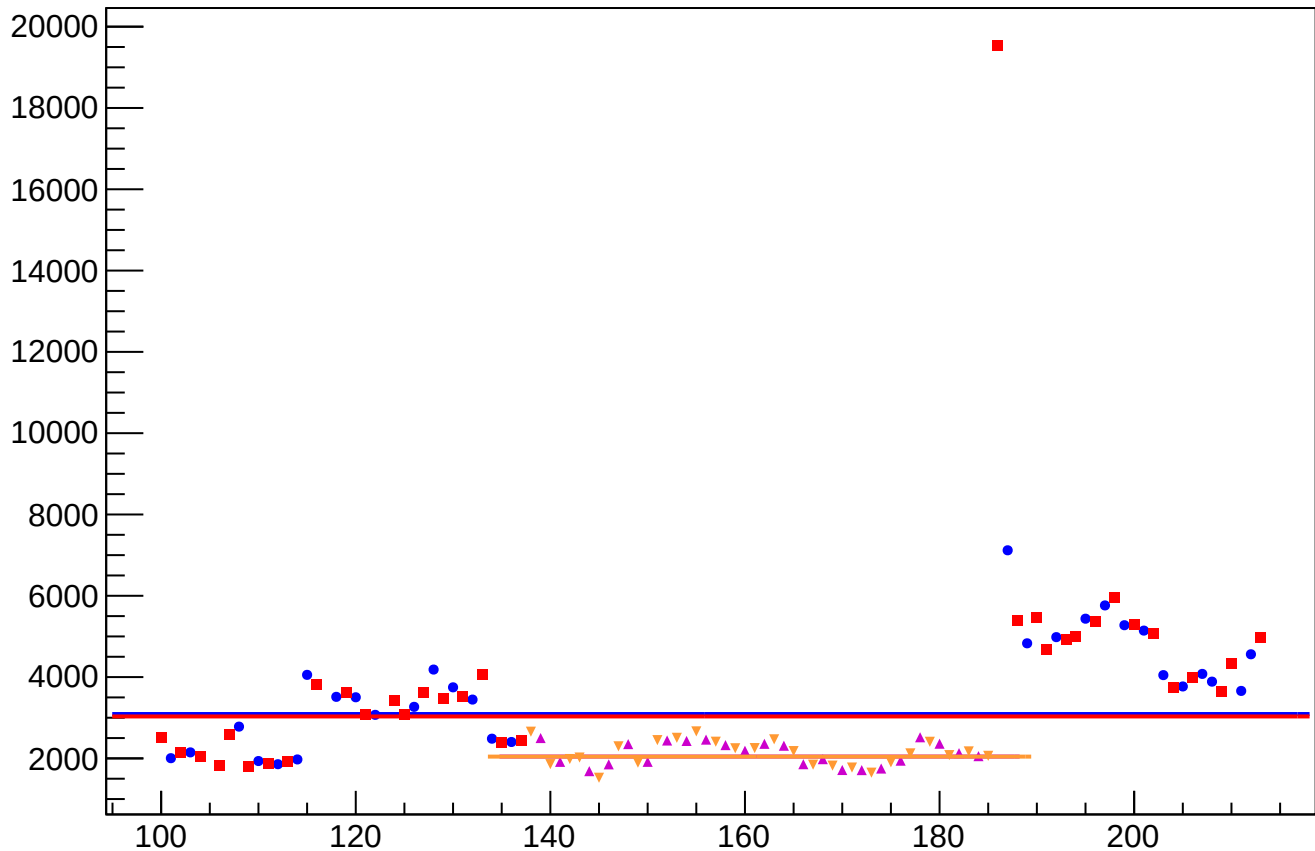
Left In: -342.609 ± 483.605 χ^2/NDF : 22.8/22

+ sign -2136.072 ± 404.351 χ^2/NDF : 85.5/53

All: -1639.865 ± 287.068 χ^2/NDF : 164.6/110

- sign -1135.605 ± 407.619 χ^2/NDF : 76.0/56

asym_sam4_dit_correction_rms vs Slug



Right In: 3091.299+/-0.559 χ^2/NDF : 4063849.6/28

Left Out: 2043.746+/-0.333 χ^2/NDF : 853391.4/24

+ sign 2317.654+/-0.286 χ^2/NDF : 7509387.4/53

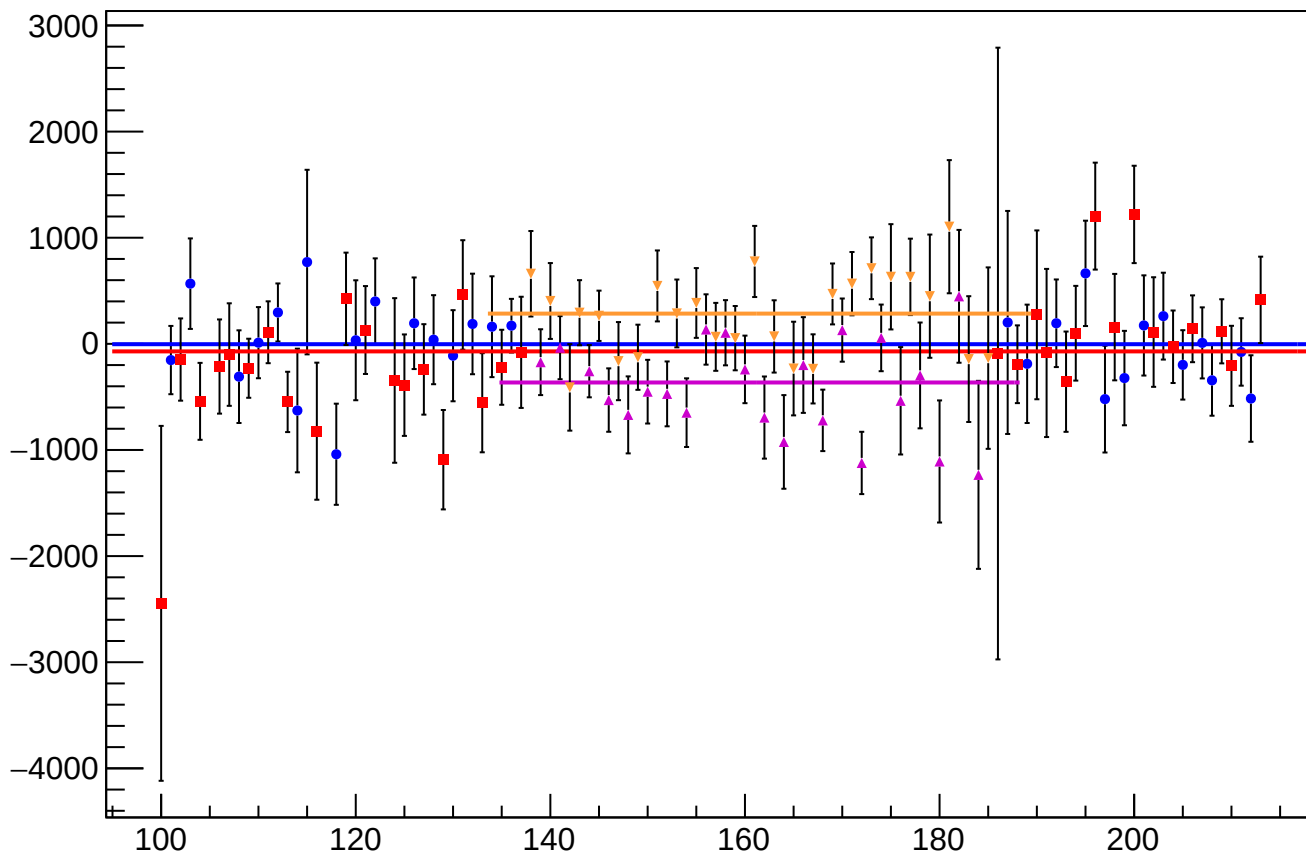
Right Out: 3031.792+/-0.536 χ^2/NDF : 5778521.9/33

All: 2324.206+/-0.203 χ^2/NDF : 16389559.0/100

Left In: 2045.178+/-0.342 χ^2/NDF : 690219.7/22

- sign 2330.864+/-0.288 χ^2/NDF : 8879112.9/56

eigen_dit_asym_sam4_mean vs Slug



Right In: -3.363 ± 74.897 χ^2/NDF : 19.7/28

Left Out: 284.918 ± 70.036 χ^2/NDF : 22.8/24

Right Out: -71.184 ± 72.545 χ^2/NDF : 35.9/33

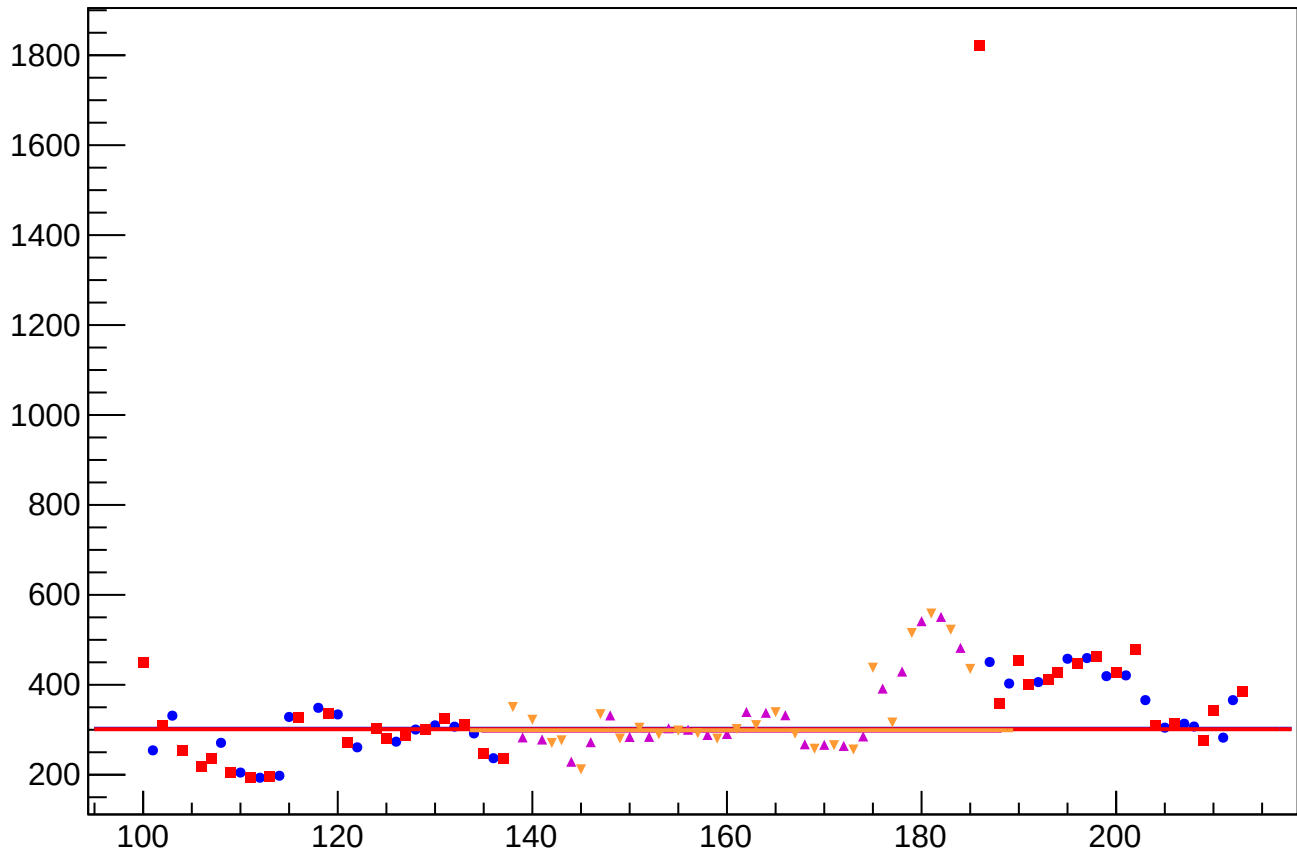
Left In: -364.164 ± 71.714 χ^2/NDF : 28.2/22

+ sign 150.435 ± 51.155 χ^2/NDF : 50.5/53

All: -35.024 ± 36.118 χ^2/NDF : 149.0/110

- sign -219.363 ± 51.001 χ^2/NDF : 72.4/56

eigen_dit_asym_sam4_rms vs Slug



Right In: 302.251+/-0.053 χ^2/NDF : 1802864.2/28

Left Out: 298.938+/-0.050 χ^2/NDF :1613074.5/24

Right Out: 301.226+/-0.051 χ^2/NDF : 2934623.3/33

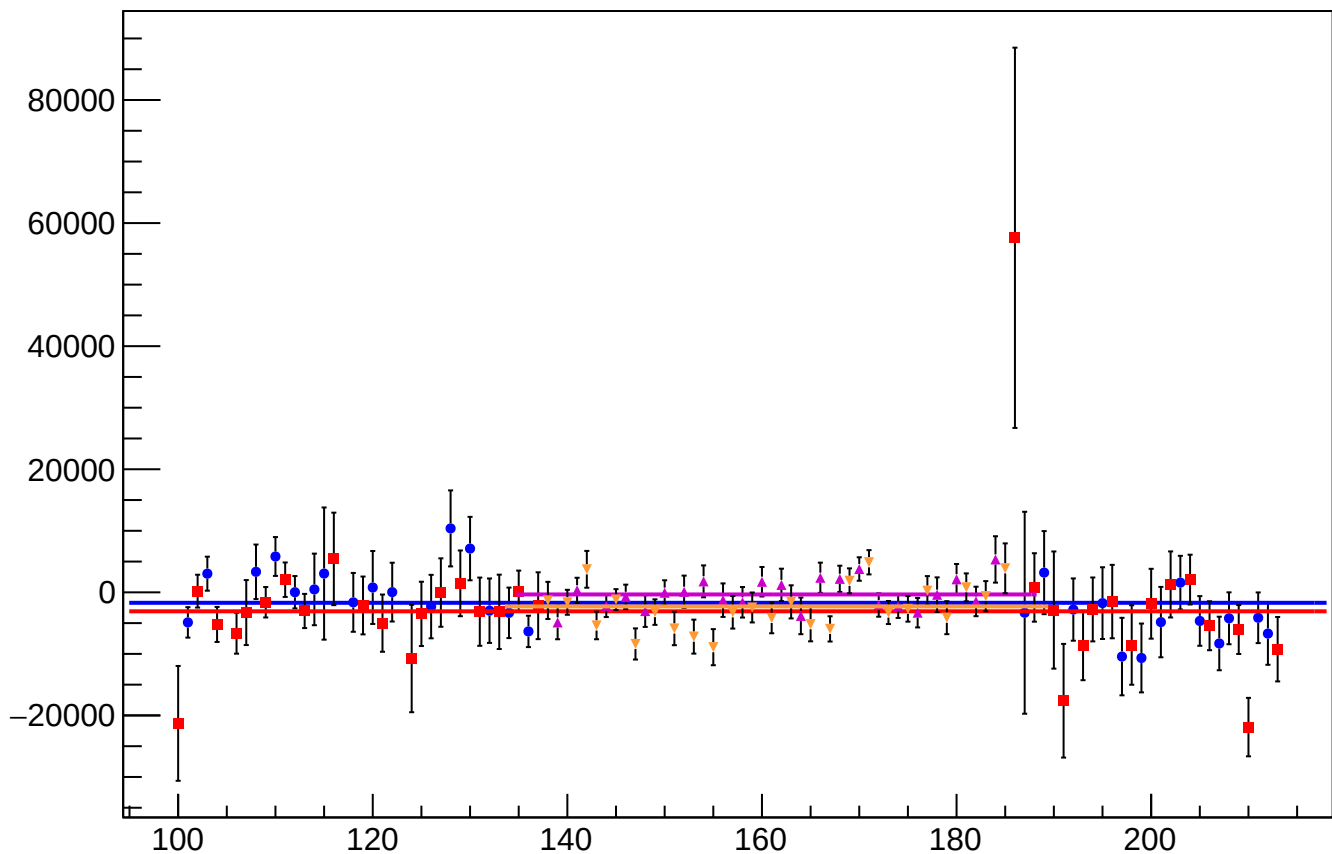
Left In: 297.885+/-0.051 χ^2/NDF :1319043.7/22

+ sign 300.483+/-0.036 χ^2/NDF : 3418025.7/53

All: 300.009+/-0.026 χ^2/NDF : 7674181.3/110

- sign 299.537+/-0.036 χ^2/NDF : 4255811.9/56

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1698.505 ± 790.758 χ^2/NDF : 33.4/28

Left Out: -2290.986 ± 470.517 χ^2/NDF : 51.7/24

Right Out: -3081.215 ± 757.501 χ^2/NDF : 43.9/33

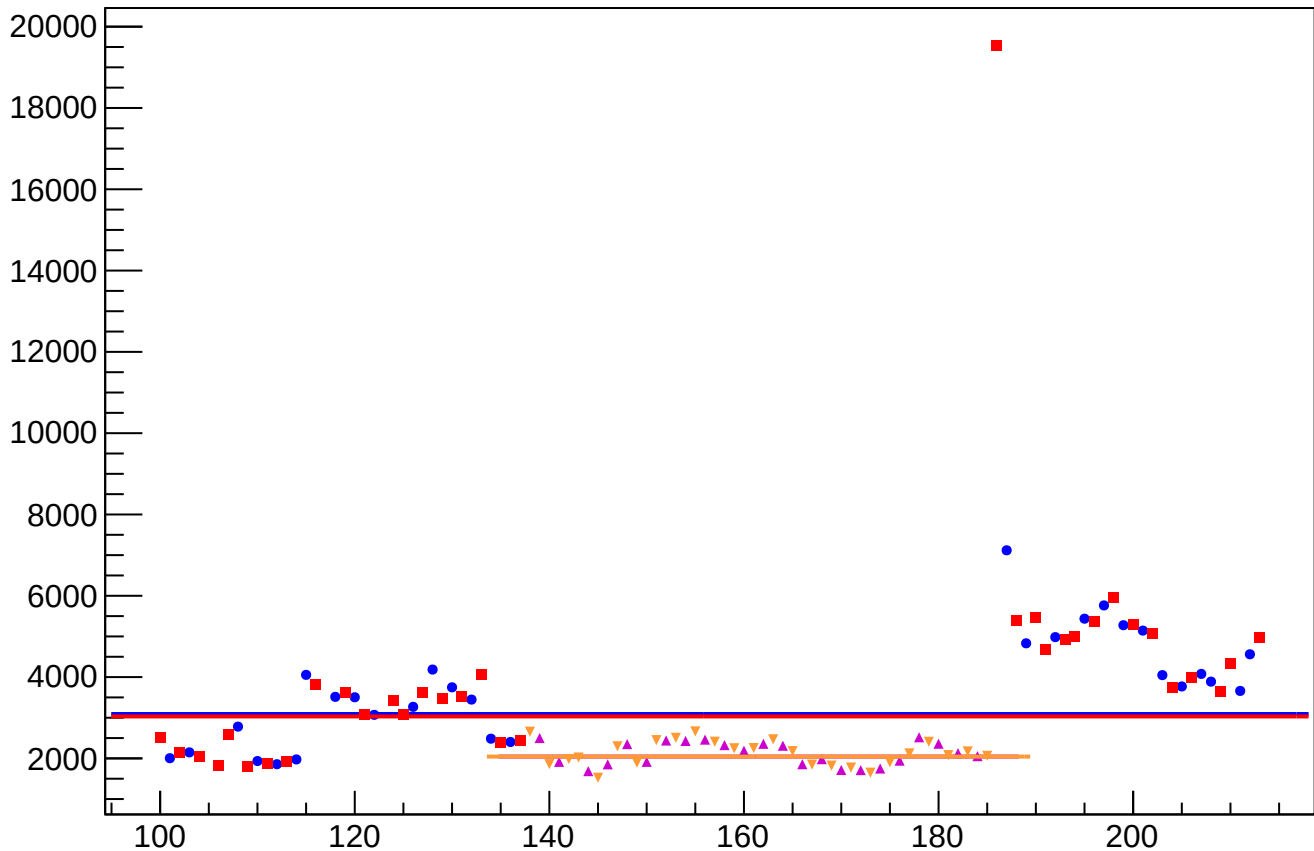
Left In: -342.606 ± 483.604 χ^2/NDF : 22.8/22

+ sign -2136.068 ± 404.351 χ^2/NDF : 85.5/53

All: -1639.861 ± 287.067 χ^2/NDF : 164.6/110

- sign -1135.601 ± 407.618 χ^2/NDF : 76.0/56

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3091.297+/-0.559 χ^2/NDF : 4063849.0/28

Left Out: 2043.742+/-0.333 χ^2/NDF : 853393.7/24

Right Out: 3031.790+/-0.536 χ^2/NDF : 5778518.2/33

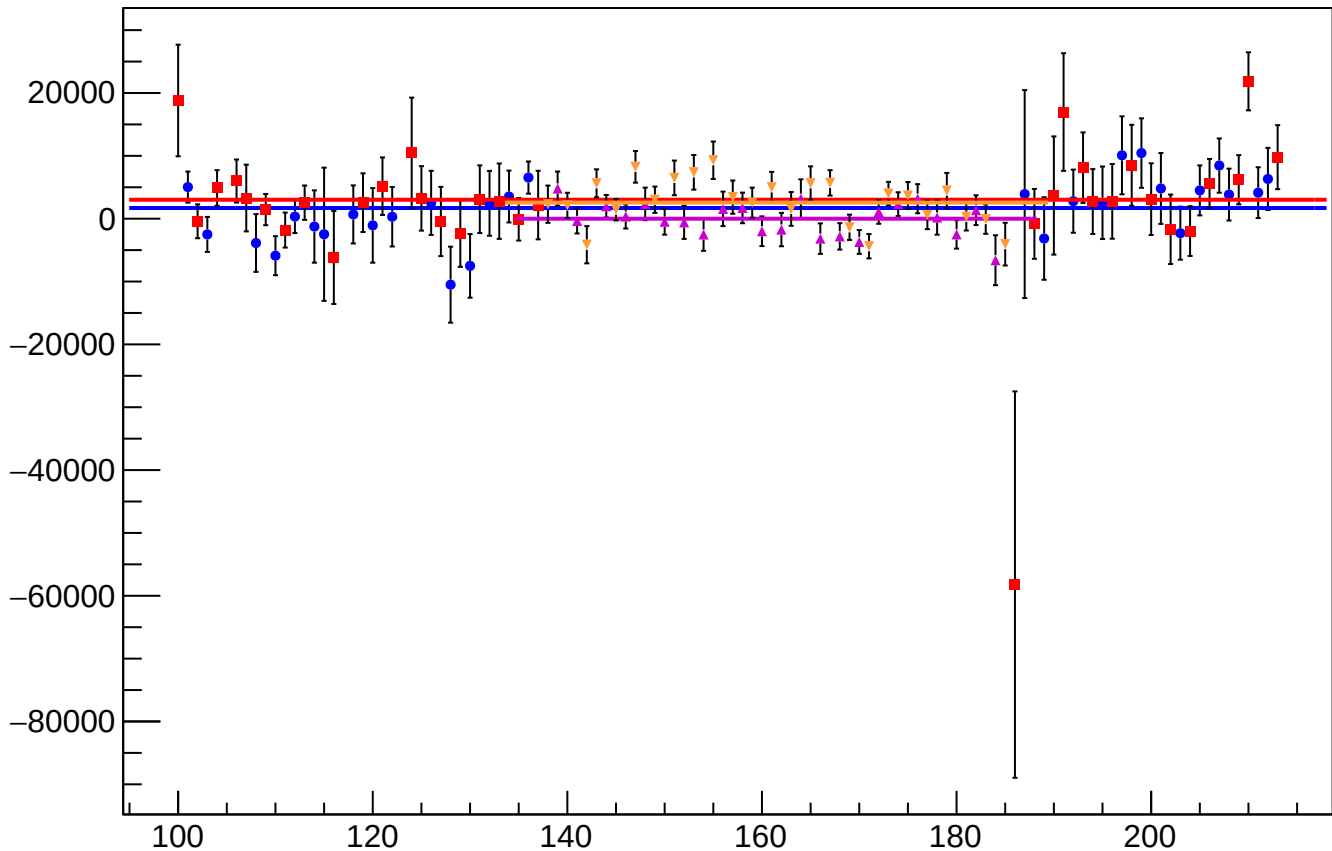
Left In: 2045.175+/-0.342 χ^2/NDF : 690218.2/22

+ sign 2317.651+/-0.286 χ^2/NDF : 7509399.3/53

All: 2324.203+/-0.203 χ^2/NDF : 16389573.8/100

- sign 2330.861+/-0.288 χ^2/NDF : 8879115.7/56

asym_sam4_mean vs Slug



Right In: 1697.317 ± 785.166 χ^2/NDF : 34.4/28

Left Out: 2559.048 ± 465.944 χ^2/NDF : 52.7/24

Right Out: 3016.373 ± 754.504 χ^2/NDF : 44.3/33

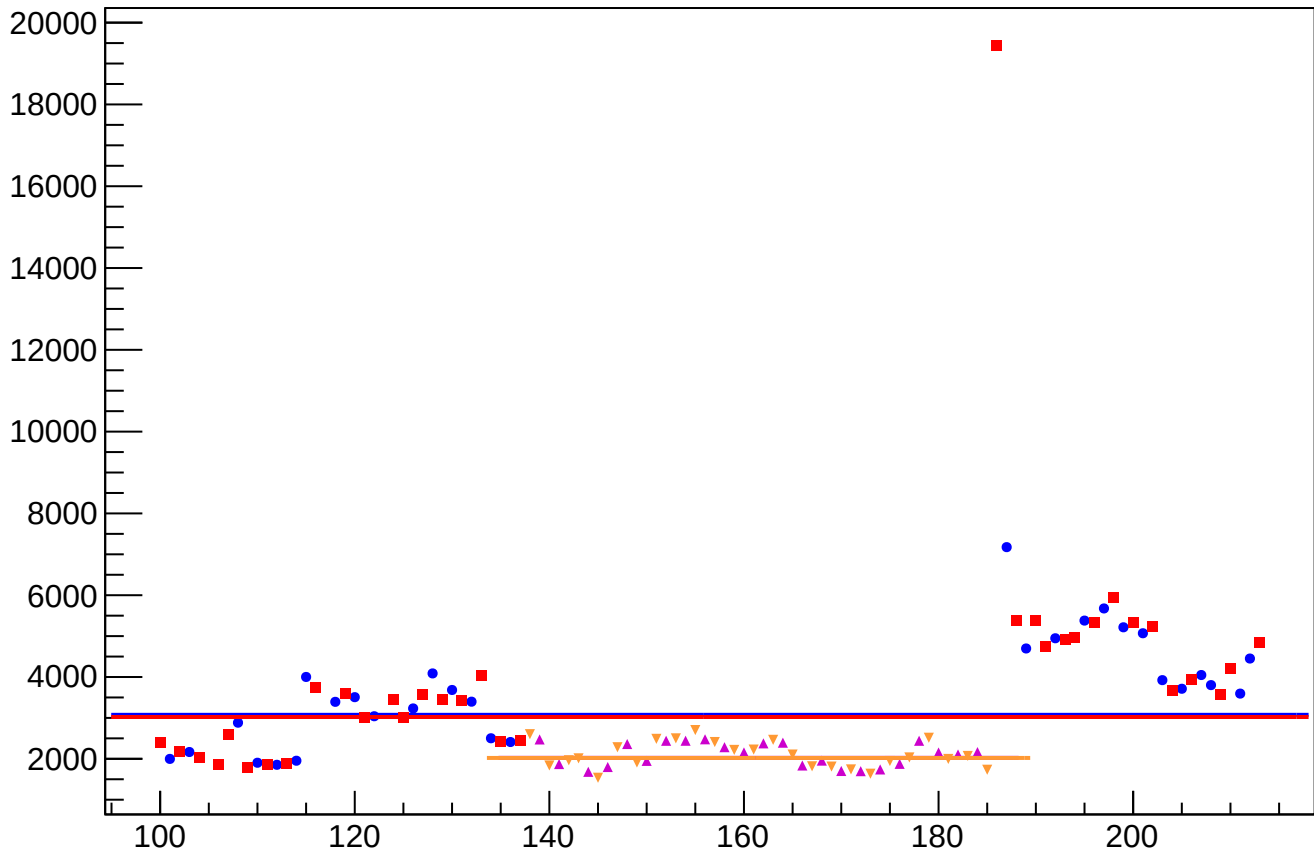
Left In: -3.474 ± 478.514 χ^2/NDF : 24.7/22

+ sign 2334.615 ± 400.700 χ^2/NDF : 87.9/53

All: 1604.900 ± 284.531 χ^2/NDF : 175.0/110

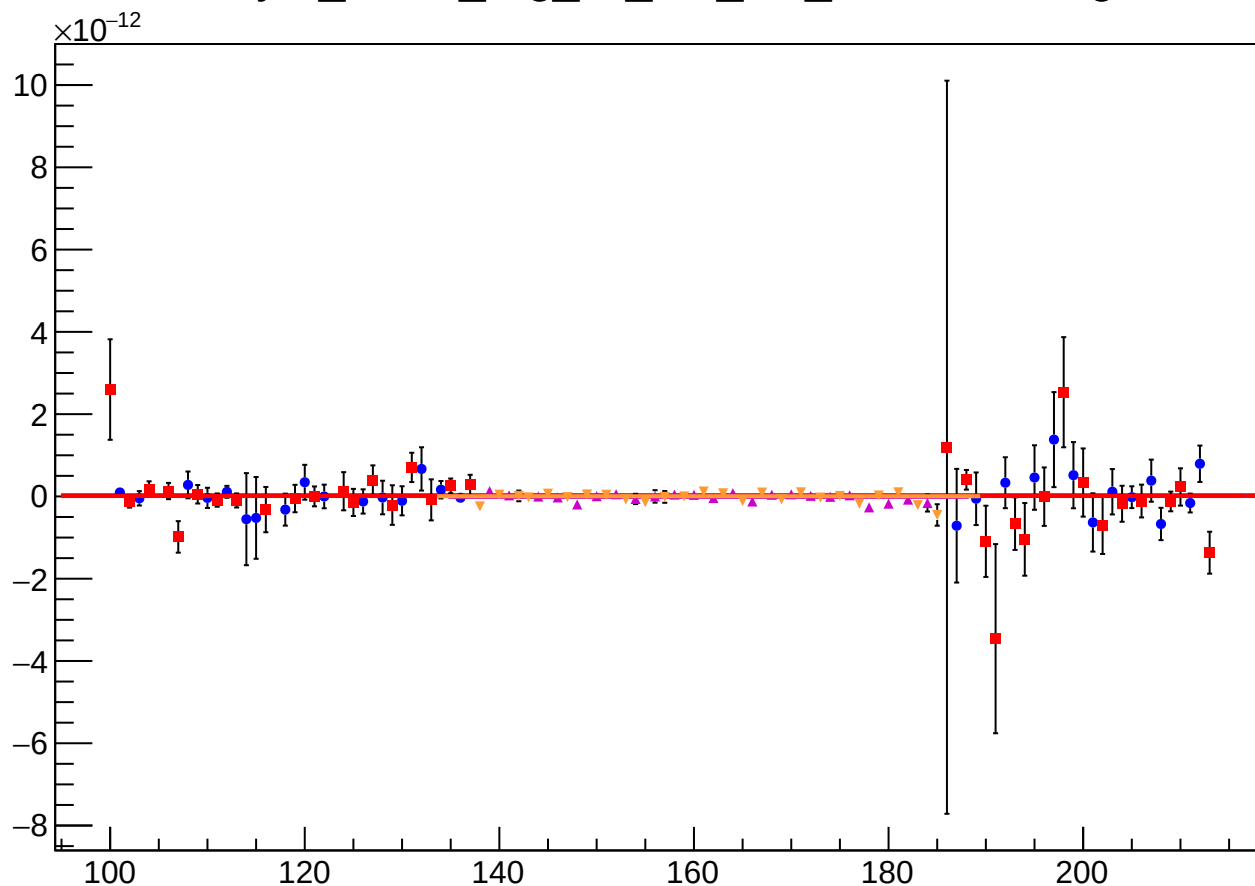
- sign 862.758 ± 404.097 χ^2/NDF : 80.3/56

asym_sam4_rms vs Slug



Right In: 3075.327+/-0.555	χ^2/NDF : 3921770.2/28	+ sign 2295.791+/-0.283	χ^2/NDF : 7468830.1/53
Left Out: 2021.266+/-0.329	χ^2/NDF : 881370.9/24	All: 2302.787+/-0.201	χ^2/NDF : 16366241.1/1
Right Out: 3022.489+/-0.534	χ^2/NDF : 5698628.7/33	- sign 2309.902+/-0.286	χ^2/NDF : 8896181.3/56
Left In: 2023.284+/-0.338	χ^2/NDF : 696055.4/22		

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.3/33

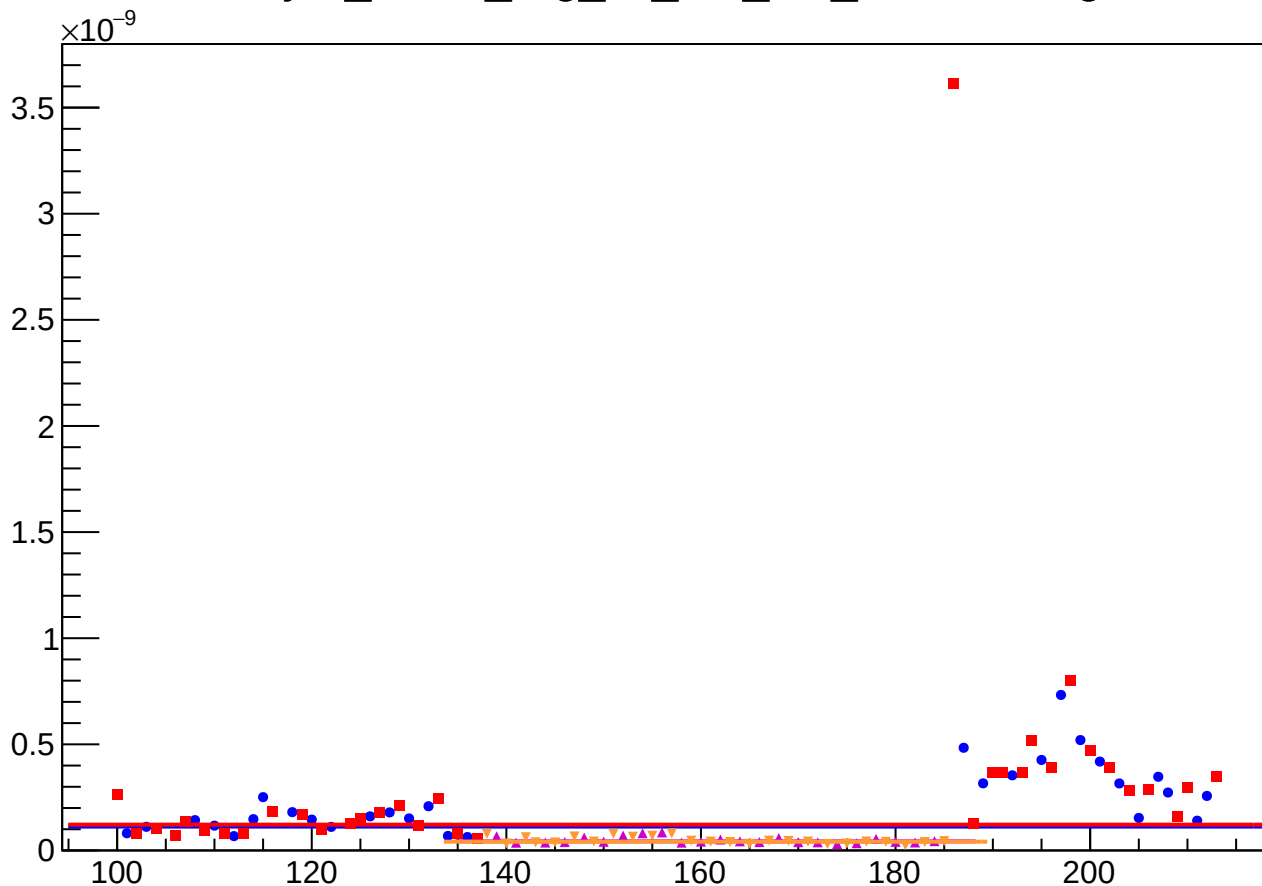
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.2/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 116.1/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 66.3/56

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5030743.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5263893.4/33

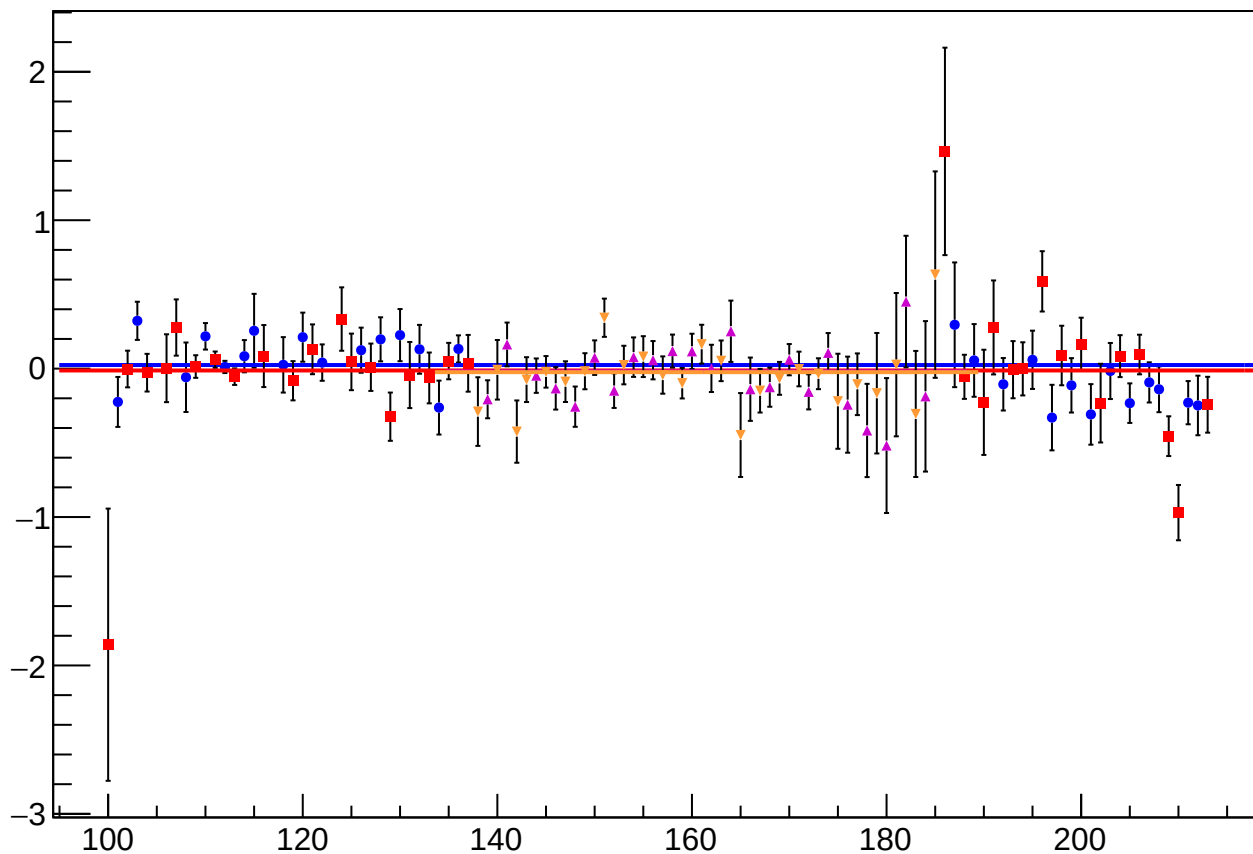
Left In: 0.000+/-0.000 χ^2/NDF : 931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10164354.9/53

All: 0.000+/-0.000 χ^2/NDF : 20683914.1/110

- sign 0.000+/-0.000 χ^2/NDF : 10491135.0/56

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 39.7/28

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.012 ± 0.023 χ^2/NDF : 73.3/33

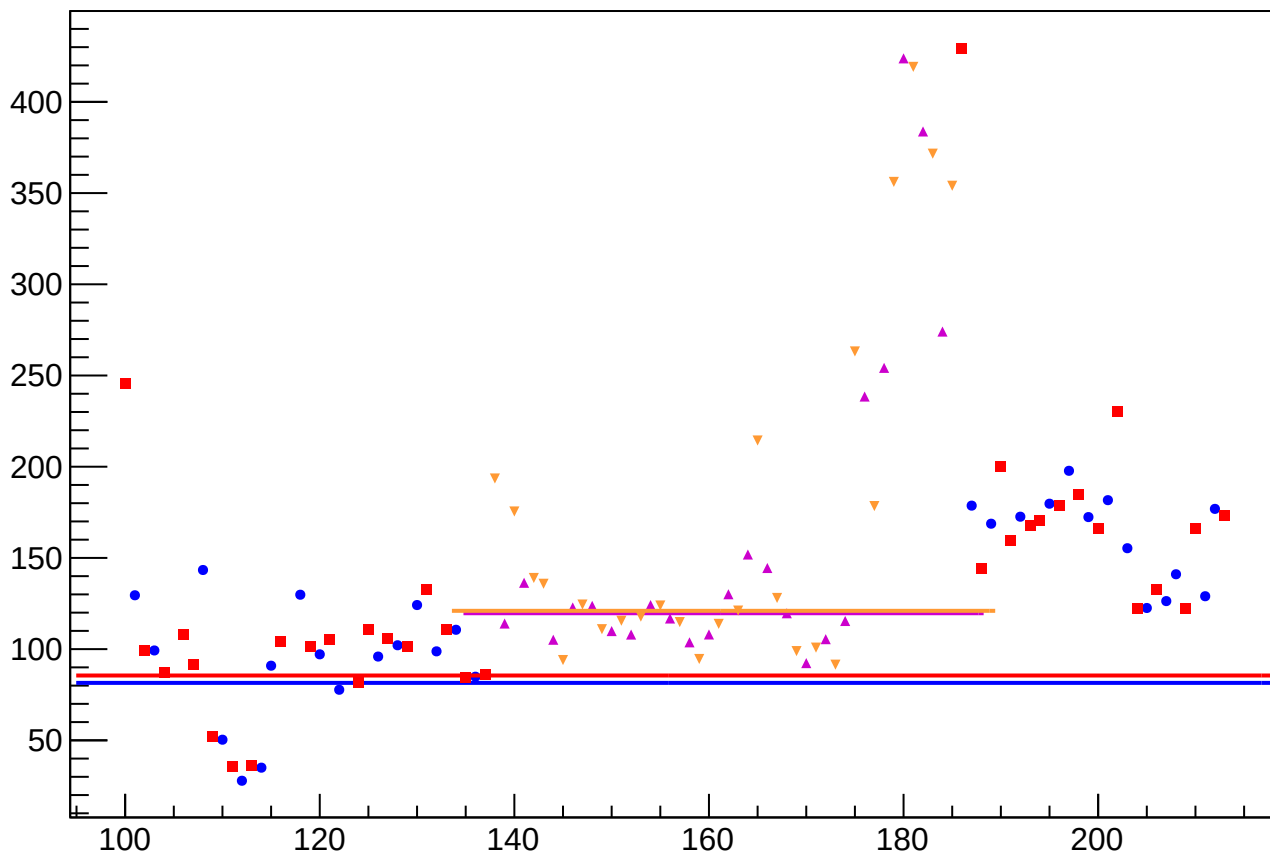
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.006 ± 0.019 χ^2/NDF : 63.4/53

All: -0.005 ± 0.013 χ^2/NDF : 160.4/110

- sign -0.015 ± 0.019 χ^2/NDF : 96.3/56

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 81.495+/-0.017 χ^2/NDF : 9356932.4/28

Left Out: 120.999+/-0.021 χ^2/NDF : 4095266.9/24

Right Out: 85.540+/-0.017 χ^2/NDF : 9187090.1/33

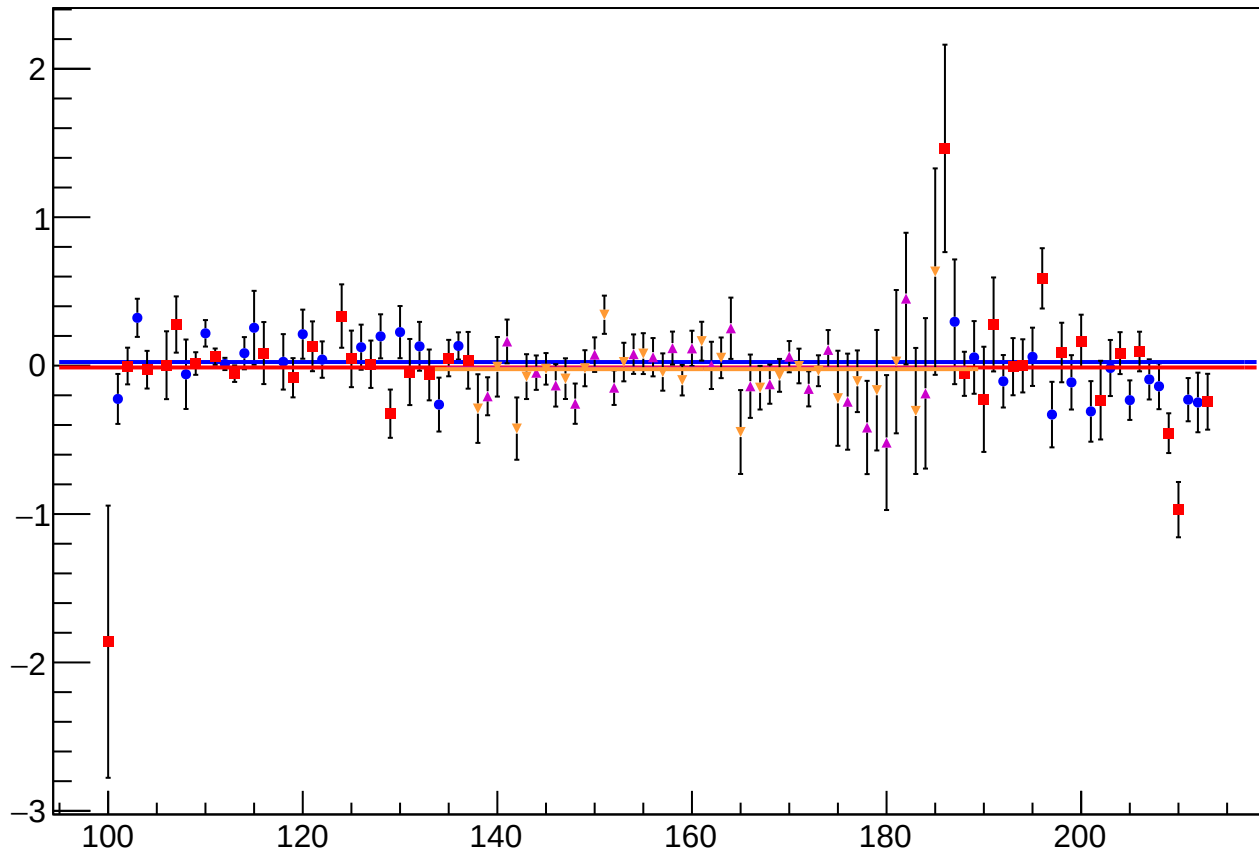
Left In: 119.679+/-0.021 χ^2/NDF : 2838257.9/22

+ sign 96.748+/-0.013 χ^2/NDF : 15594981.7/53

All: 97.544+/-0.009 χ^2/NDF : 29222907.3/110

- sign 98.334+/-0.013 χ^2/NDF : 13620604.3/56

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 39.7/28

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.012 ± 0.023 χ^2/NDF : 73.3/33

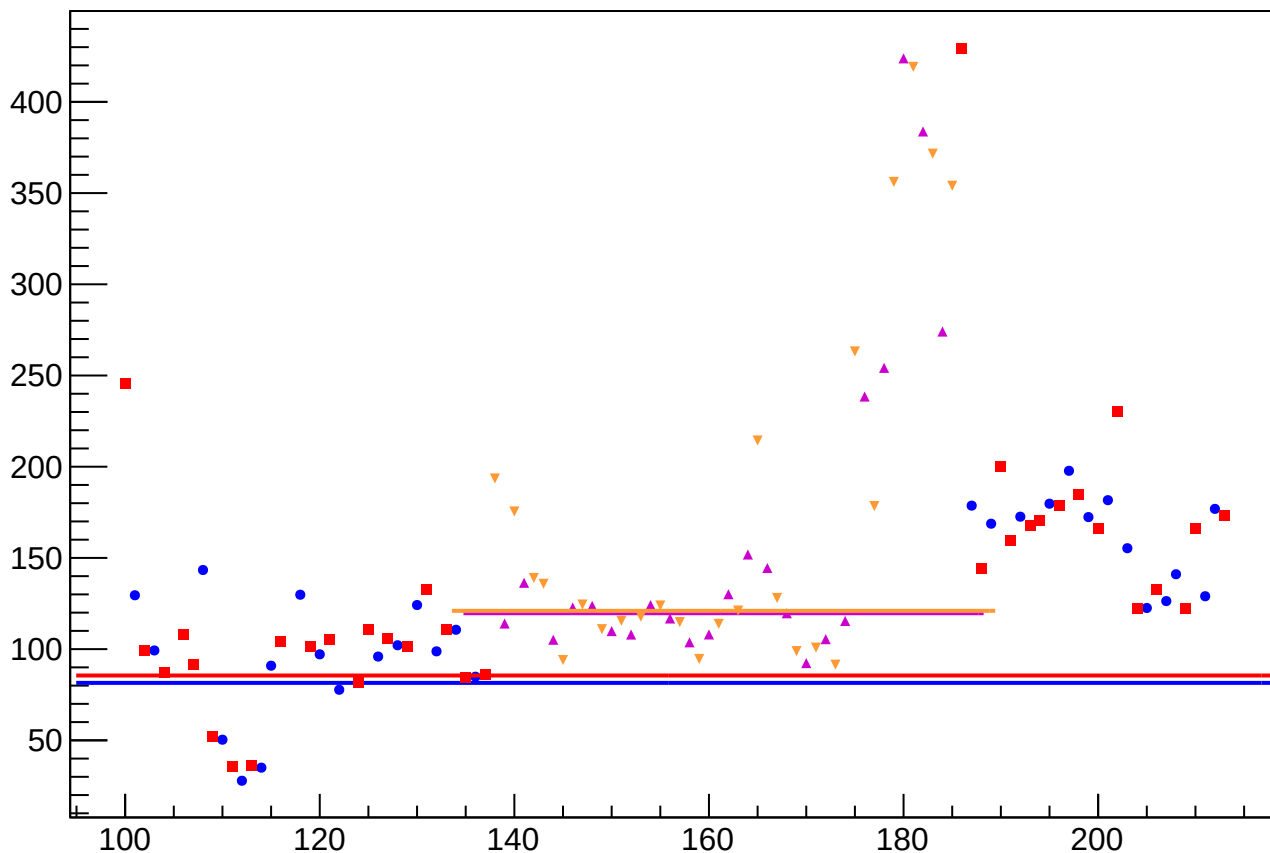
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.006 ± 0.019 χ^2/NDF : 63.4/53

All: -0.005 ± 0.013 χ^2/NDF : 160.4/110

- sign -0.015 ± 0.019 χ^2/NDF : 96.3/56

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 81.495 ± 0.017 $\chi^2/\text{NDF}: 9356932.4/28$

Left Out: 120.999 ± 0.021 $\chi^2/\text{NDF}: 4095266.9/24$

Right Out: 85.540 ± 0.017 $\chi^2/\text{NDF}: 9187090.1/33$

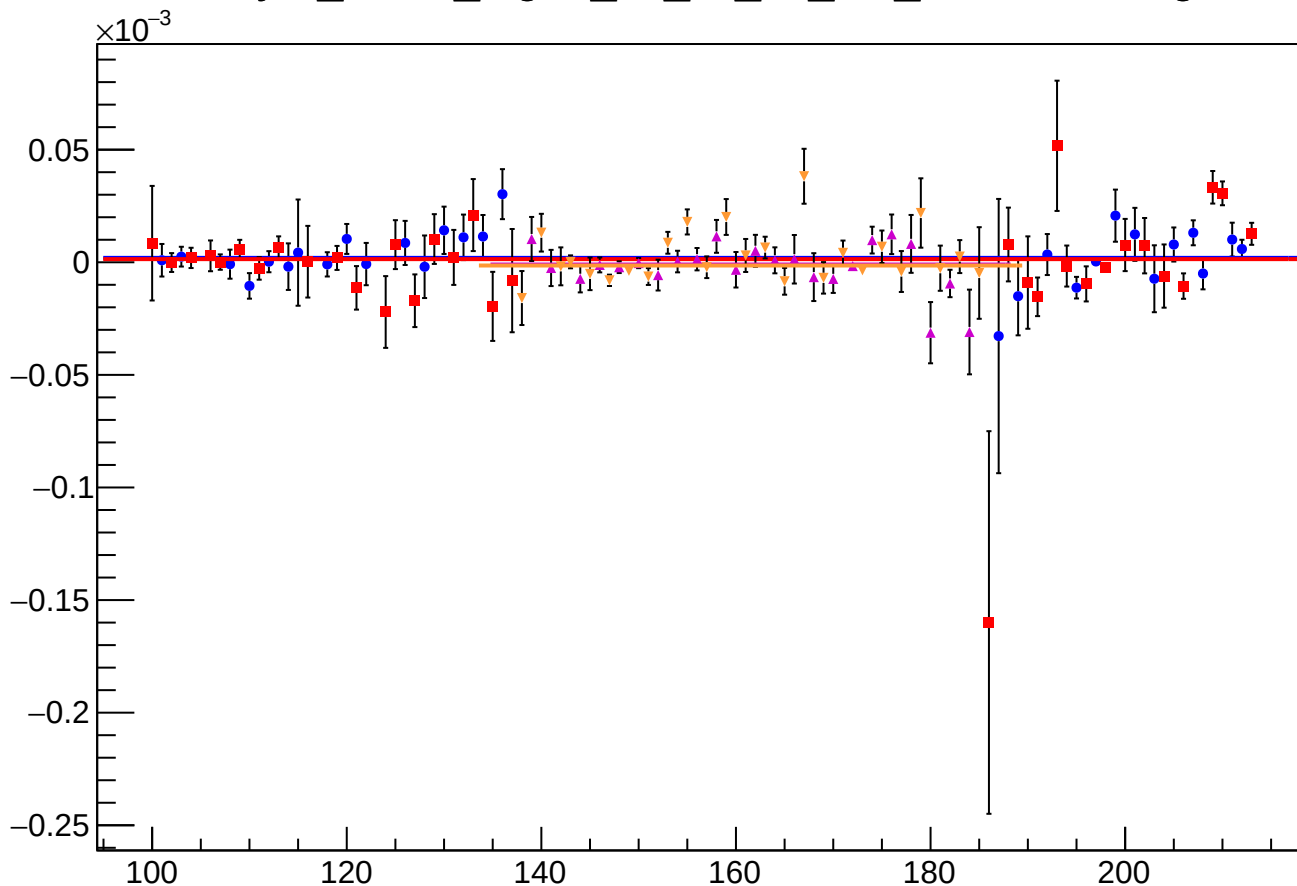
Left In: 119.679 ± 0.021 $\chi^2/\text{NDF}: 2838257.9/22$

+ sign 96.748 ± 0.013 $\chi^2/\text{NDF}: 15594981.7/53$

All: 97.544 ± 0.009 $\chi^2/\text{NDF}: 29222907.3/110$

- sign 98.334 ± 0.013 $\chi^2/\text{NDF}: 13620604.3/56$

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 60.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 92.4/33

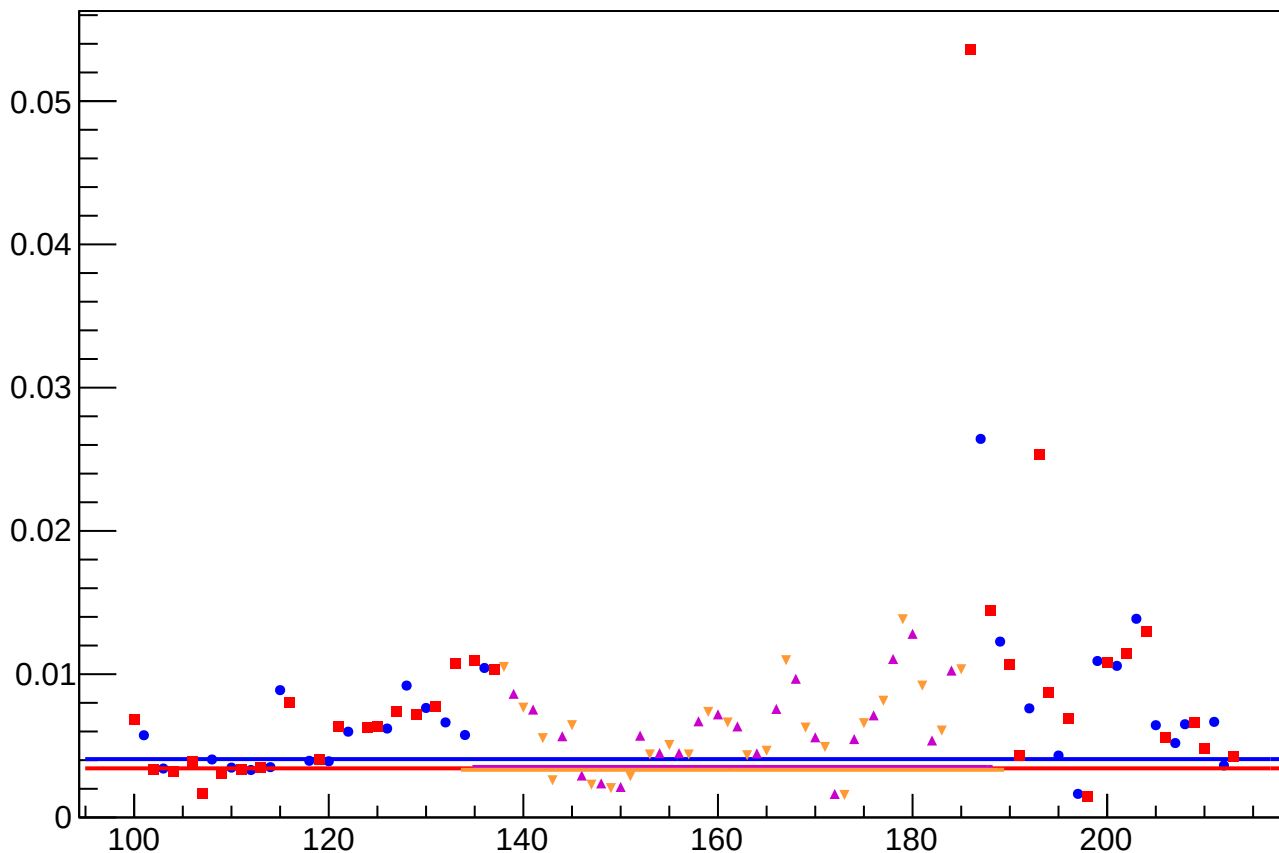
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 104.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 224.1/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 119.8/56

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 8325432.0/28$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 10486084.0/24$

Right Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 13307035.3/33$

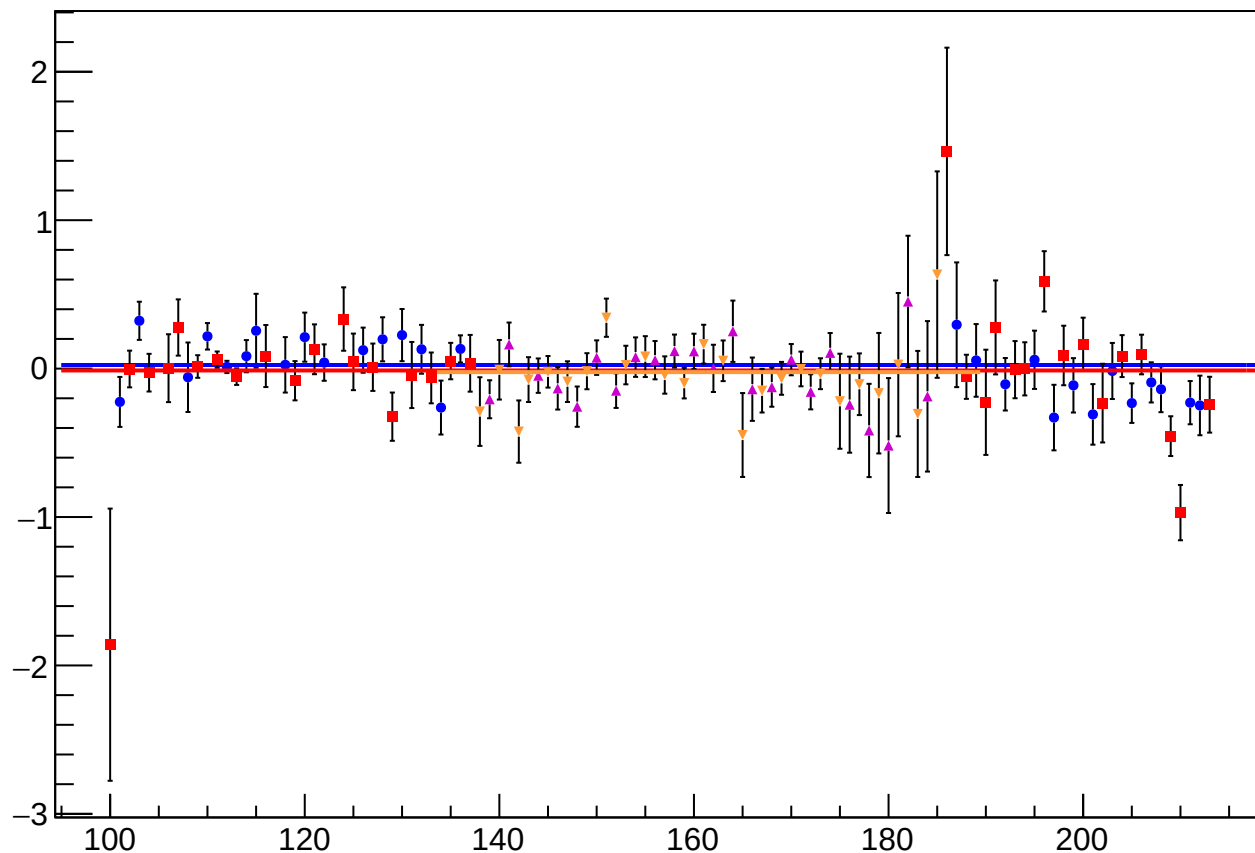
Left In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 9426441.5/22$

+ sign 0.004 ± 0.000 $\chi^2/\text{NDF}: 19326162.8/53$

All: 0.004 ± 0.000 $\chi^2/\text{NDF}: 42103989.8/110$

- sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 22742784.3/56$

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 39.7/28

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.012 ± 0.023 χ^2/NDF : 73.3/33

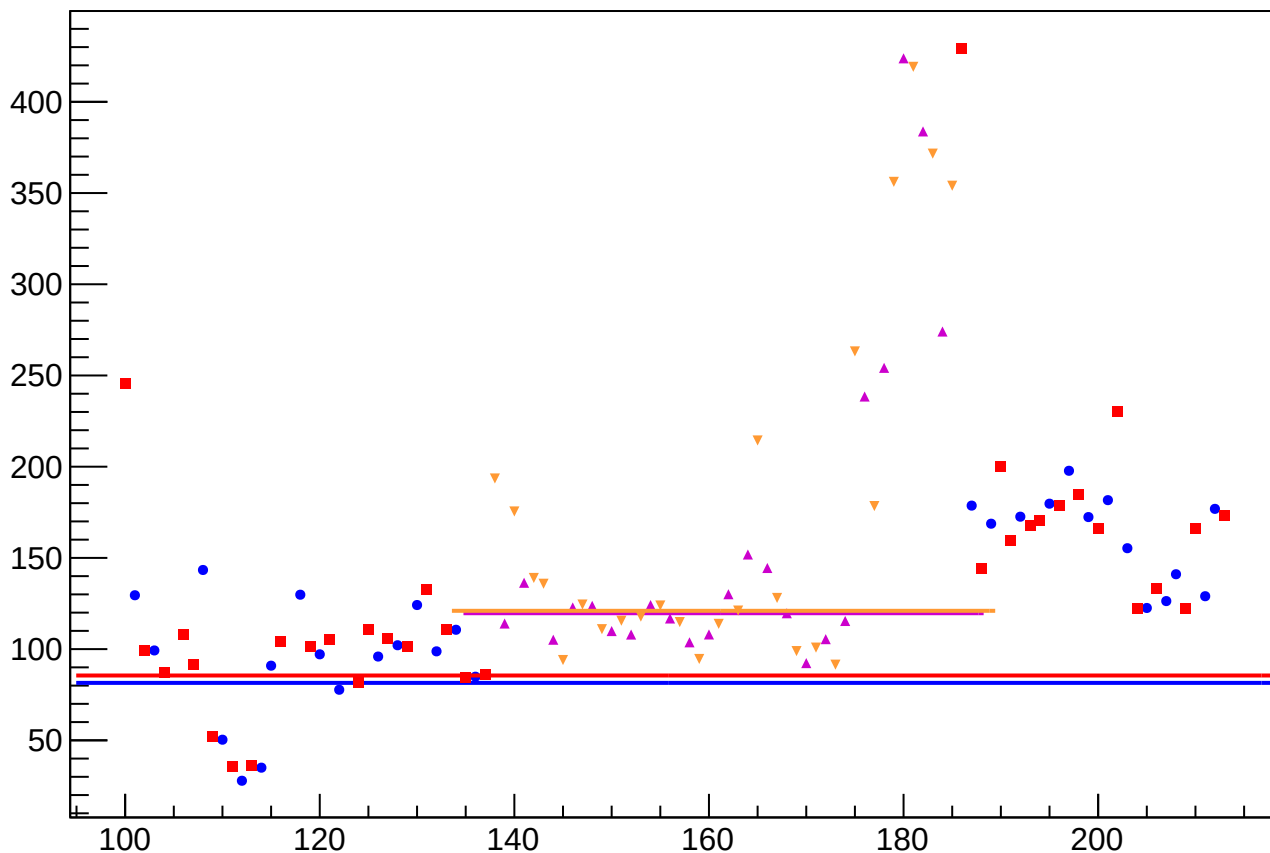
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.006 ± 0.019 χ^2/NDF : 63.4/53

All: -0.005 ± 0.013 χ^2/NDF : 160.3/110

- sign -0.015 ± 0.019 χ^2/NDF : 96.3/56

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 81.493 $\pm$ 0.017 χ^2 /NDF: 9357450.3/28

Left Out: 121.000 $\pm$ 0.021 χ^2 /NDF: 4095210.5/24

Right Out: 85.538 $\pm$ 0.017 χ^2 /NDF: 9187620.3/33

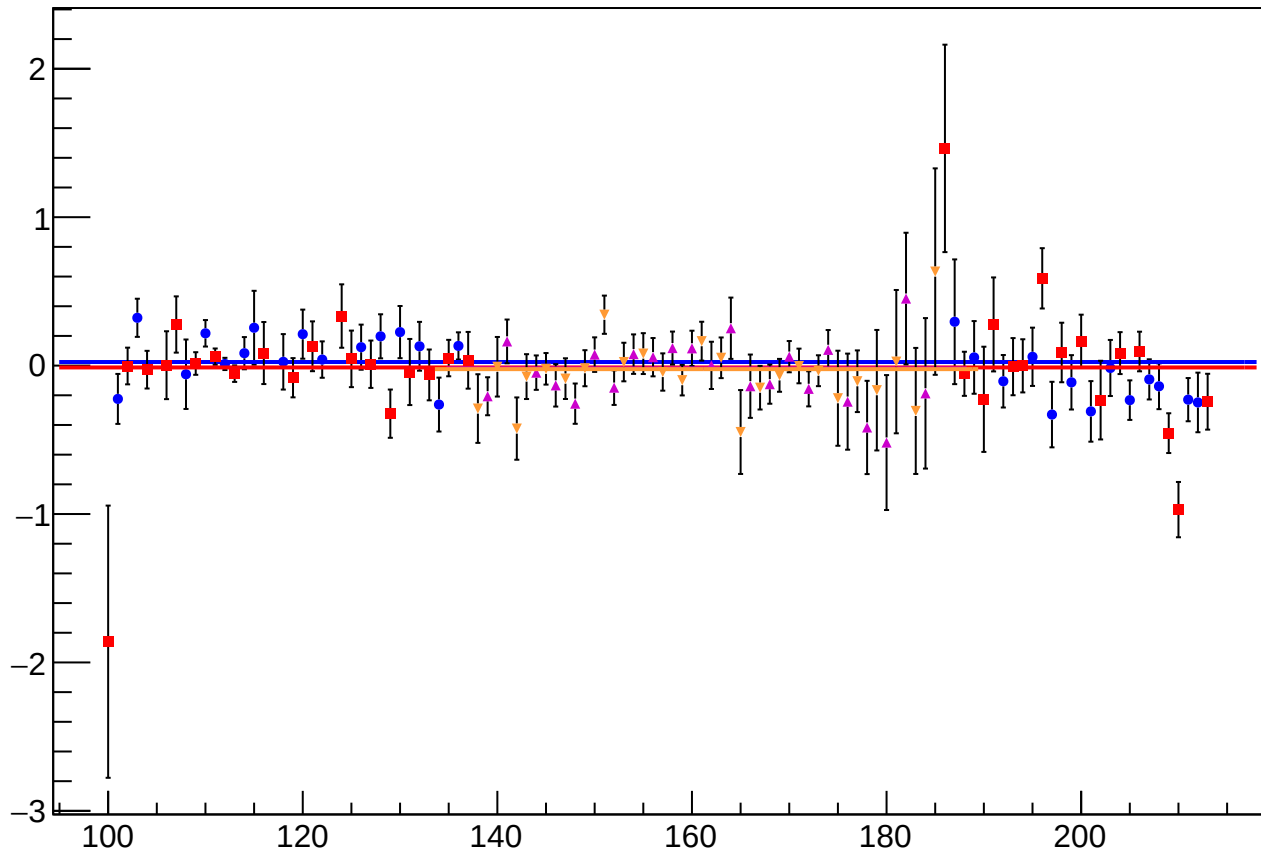
Left In: 119.680 $\pm$ 0.021 χ^2 /NDF: 2838196.2/22

+ sign 96.746 $\pm$ 0.013 χ^2 /NDF: 15595805.7/53

All: 97.543 $\pm$ 0.009 χ^2 /NDF: 29224470.0/110

- sign 98.333 $\pm$ 0.013 χ^2 /NDF: 13621340.0/56

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 39.7/28

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: -0.012 ± 0.023 χ^2/NDF : 73.3/33

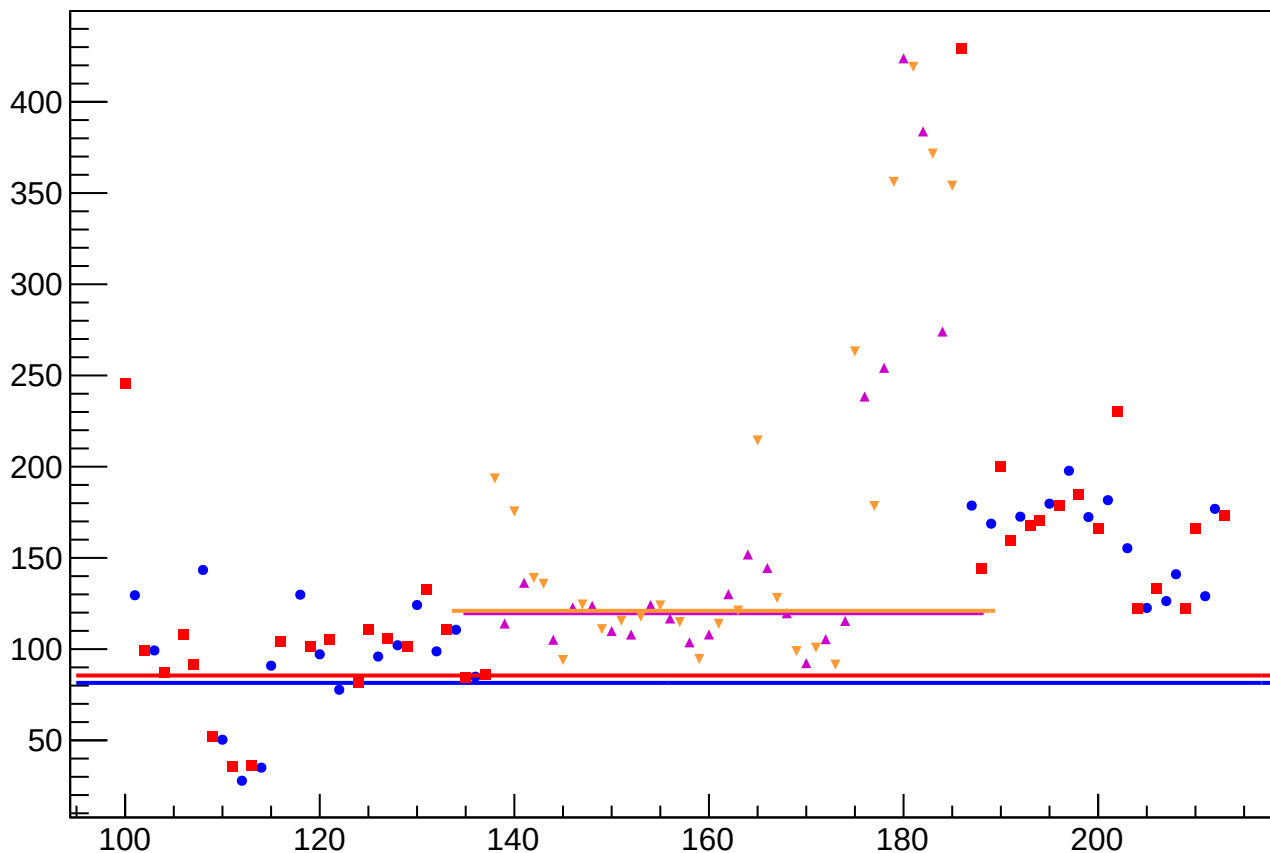
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.006 ± 0.019 χ^2/NDF : 63.4/53

All: -0.005 ± 0.013 χ^2/NDF : 160.3/110

- sign -0.015 ± 0.019 χ^2/NDF : 96.3/56

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 81.493 $\pm$ 0.017 χ^2 /NDF: 9357450.3/28

Left Out: 121.000 $\pm$ 0.021 χ^2 /NDF: 4095210.5/24

Right Out: 85.538 $\pm$ 0.017 χ^2 /NDF: 9187620.3/33

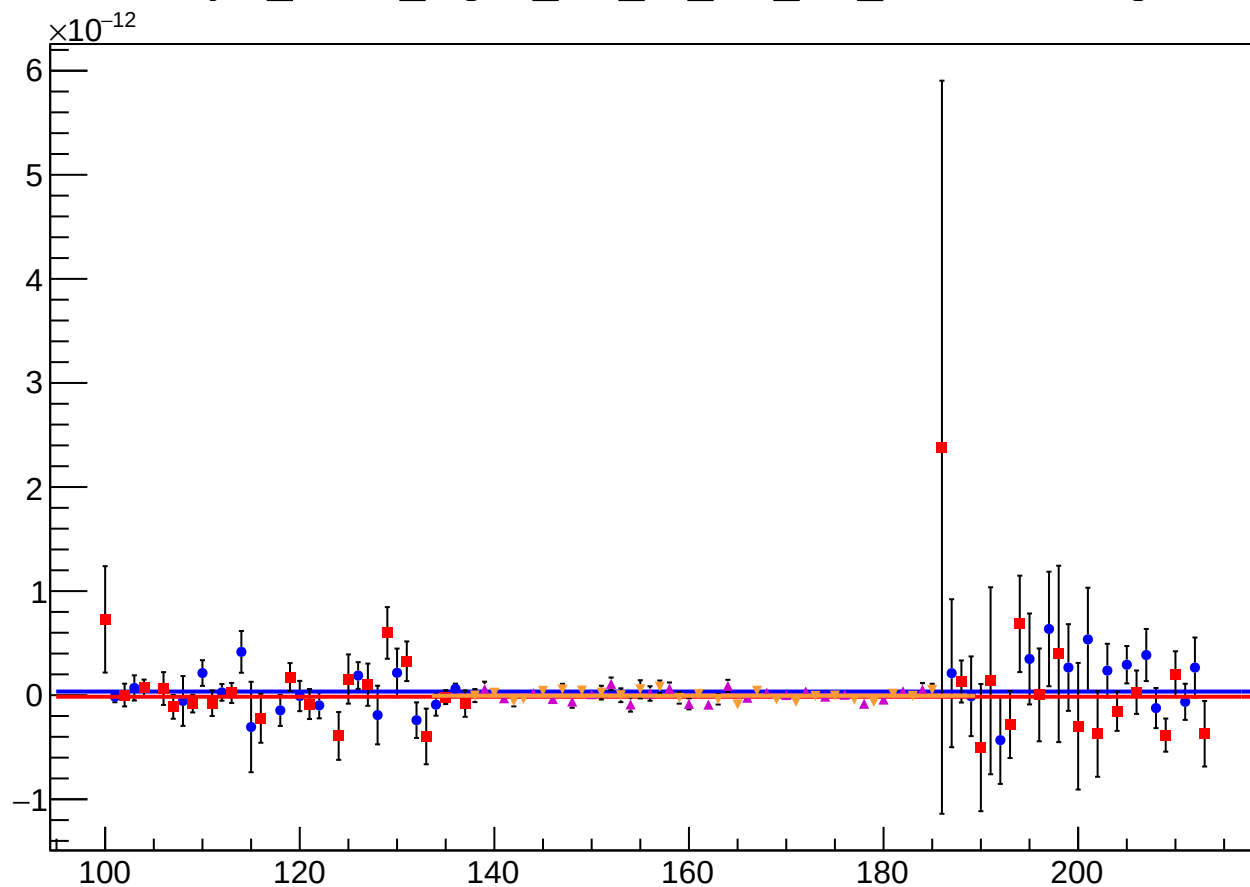
Left In: 119.680 $\pm$ 0.021 χ^2 /NDF: 2838196.2/22

+ sign 96.746 $\pm$ 0.013 χ^2 /NDF: 15595805.7/53

All: 97.543 $\pm$ 0.009 χ^2 /NDF: 29224470.0/110

- sign 98.333 $\pm$ 0.013 χ^2 /NDF: 13621340.0/56

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 27.6/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 37.4/33

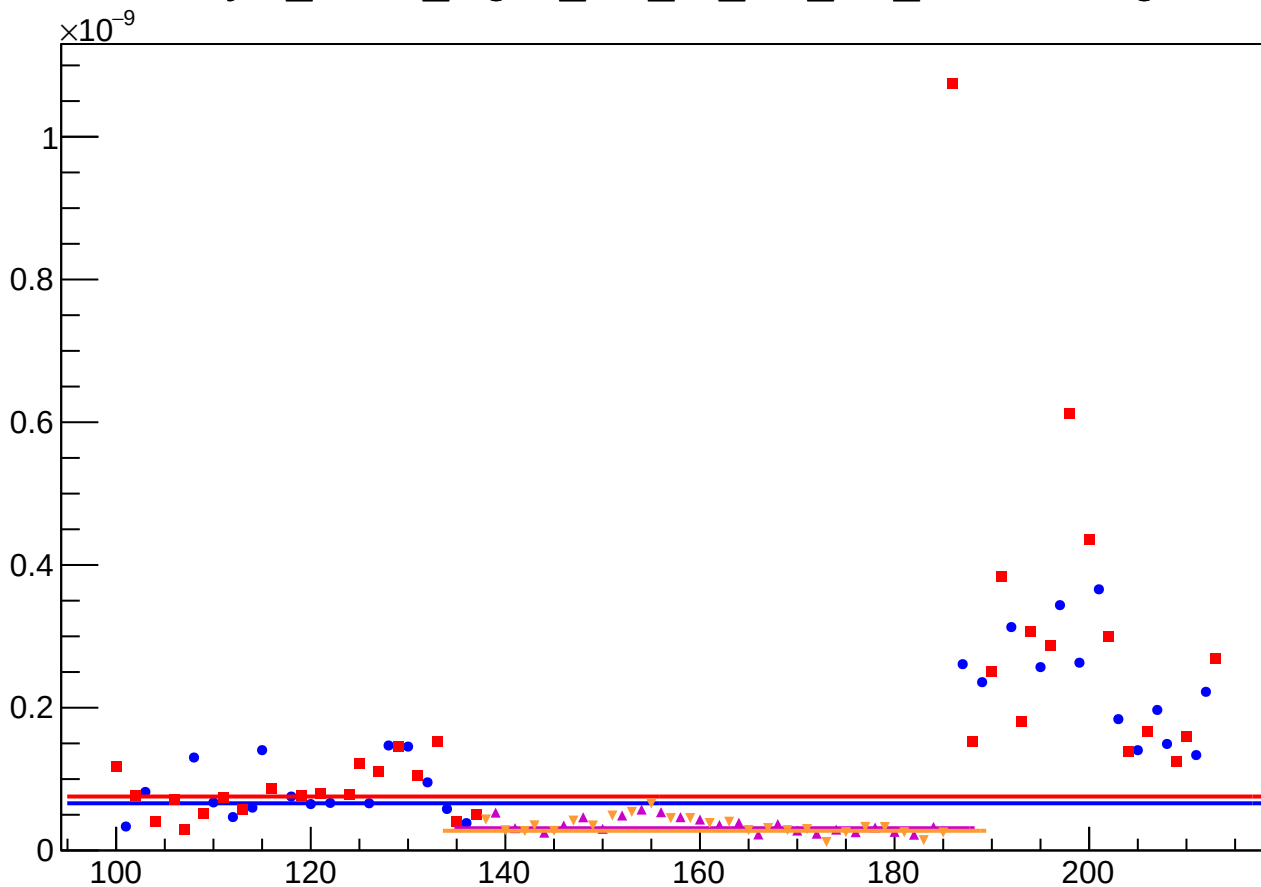
Left In: -0.000 ± 0.000 χ^2/NDF : 27.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 52.2/53

All: -0.000 ± 0.000 χ^2/NDF : 117.5/110

- sign -0.000 ± 0.000 χ^2/NDF : 65.2/56

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8051947.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8071637.7/33

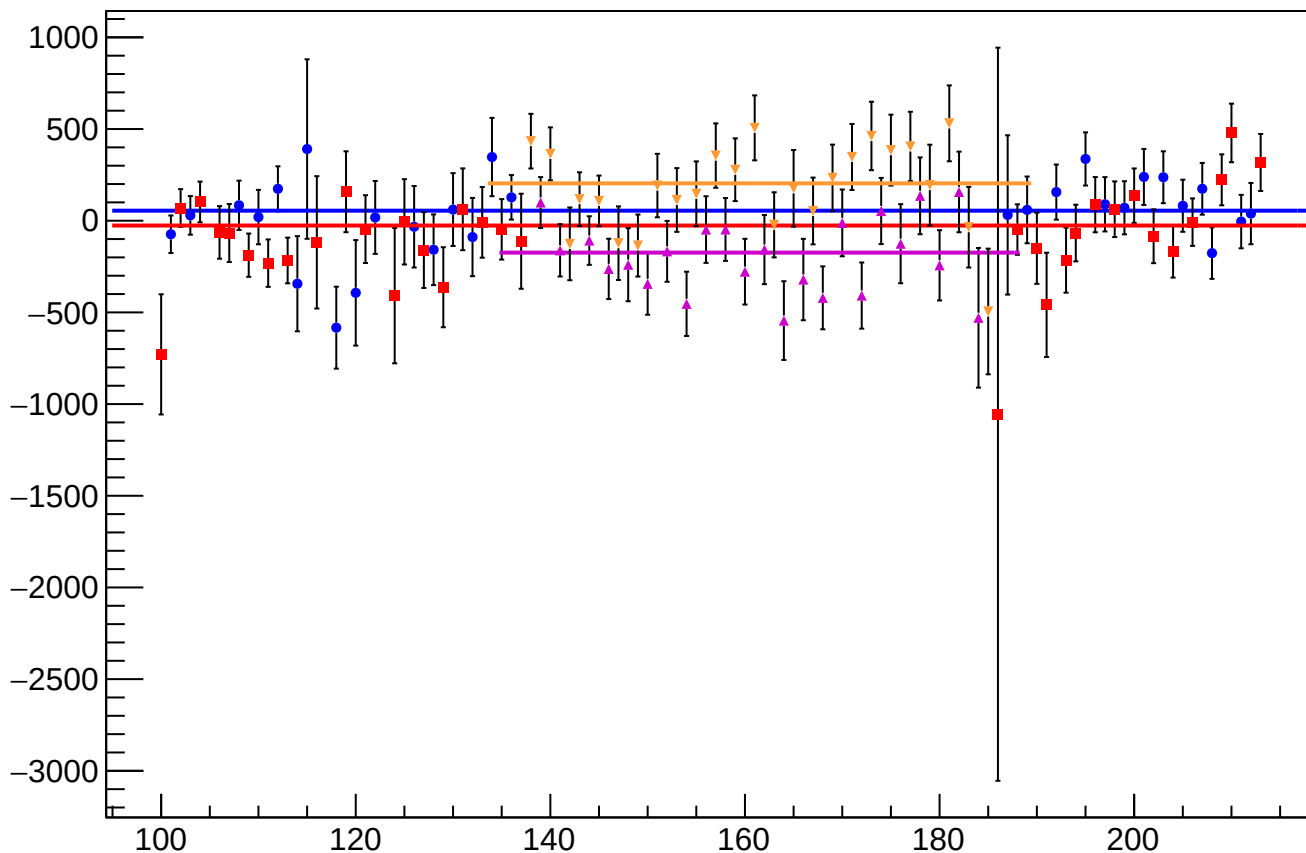
Left In: 0.000+/-0.000 χ^2/NDF : 1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 16100417.2/53

All: 0.000+/-0.000 χ^2/NDF : 31300638.9/110

- sign 0.000+/-0.000 χ^2/NDF : 14922925.1/56

reg_asym_sam5_mean vs Slug



Right In: 54.760 ± 29.349 χ^2/NDF : 31.3/28

Left Out: 203.760 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -26.261 ± 27.913 χ^2/NDF : 44.3/33

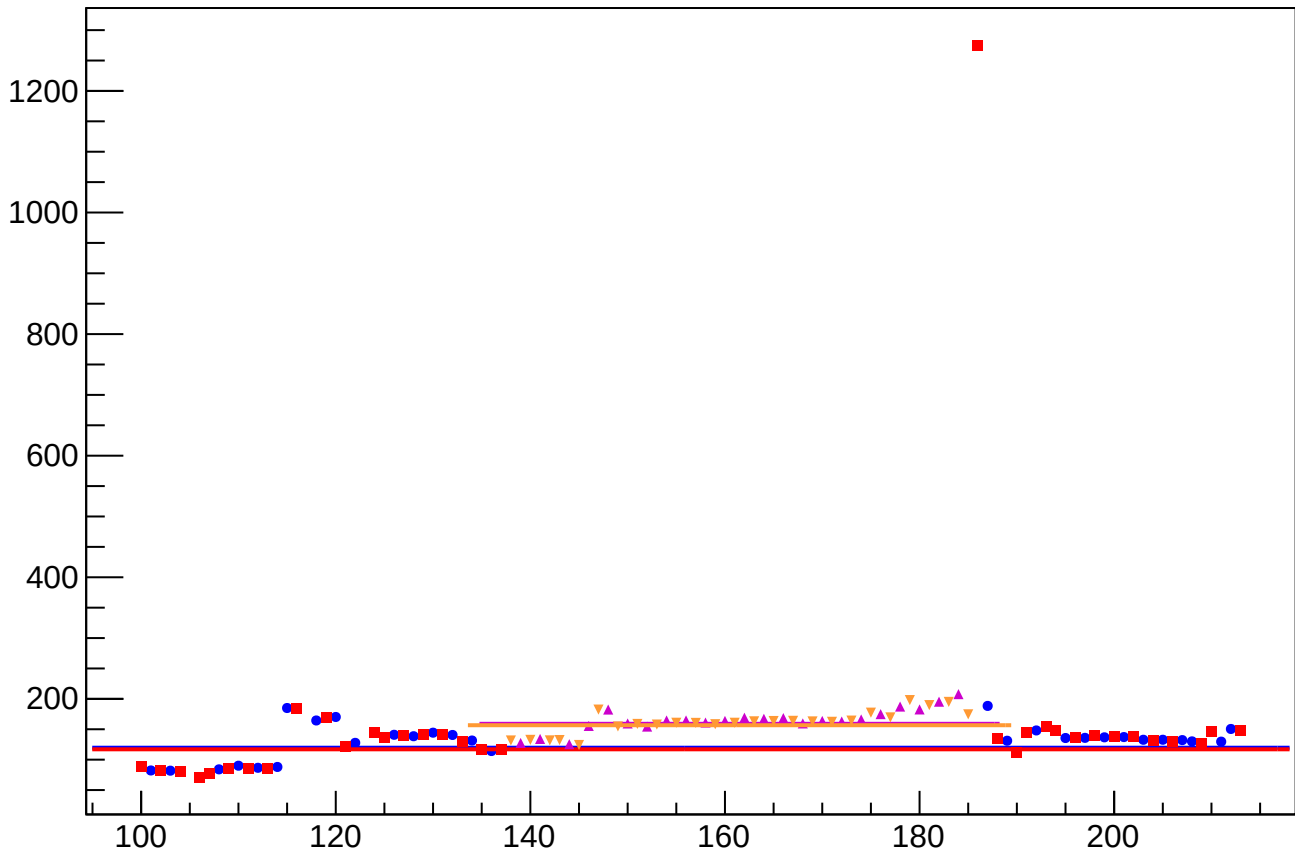
Left In: -173.974 ± 37.405 χ^2/NDF : 24.5/22

+ sign 114.493 ± 22.716 χ^2/NDF : 74.5/53

All: 16.215 ± 15.939 χ^2/NDF : 190.1/110

- sign -79.095 ± 22.371 χ^2/NDF : 78.8/56

reg_asym_sam5_rms vs Slug



Right In: 119.635 $\pm$ 0.021 χ^2 /NDF: 1570019.5/28

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.4/24

Right Out: 117.020 $\pm$ 0.020 χ^2 /NDF: 2722895.5/33

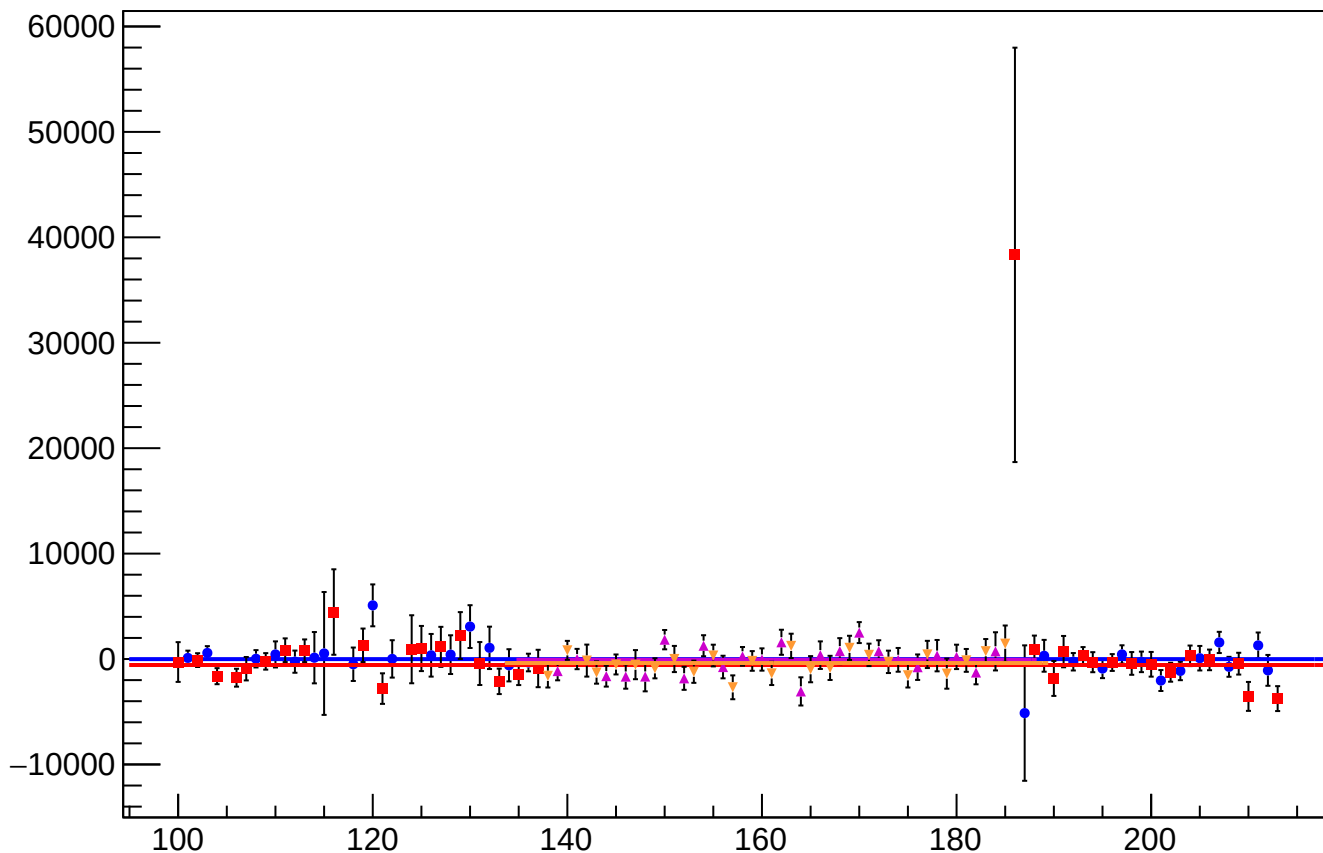
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.2/22

+ sign 134.469 $\pm$ 0.016 χ^2 /NDF: 3426964.1/53

All: 133.225 $\pm$ 0.011 χ^2 /NDF: 8287376.7/110

- sign 132.018 $\pm$ 0.016 χ^2 /NDF: 4848589.1/56

asym_sam5_reg_correction_mean vs Slug



Right In: -8.893 ± 206.622 χ^2/NDF : 23.3/28

Left Out: -380.690 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -566.926 ± 194.227 χ^2/NDF : 40.4/33

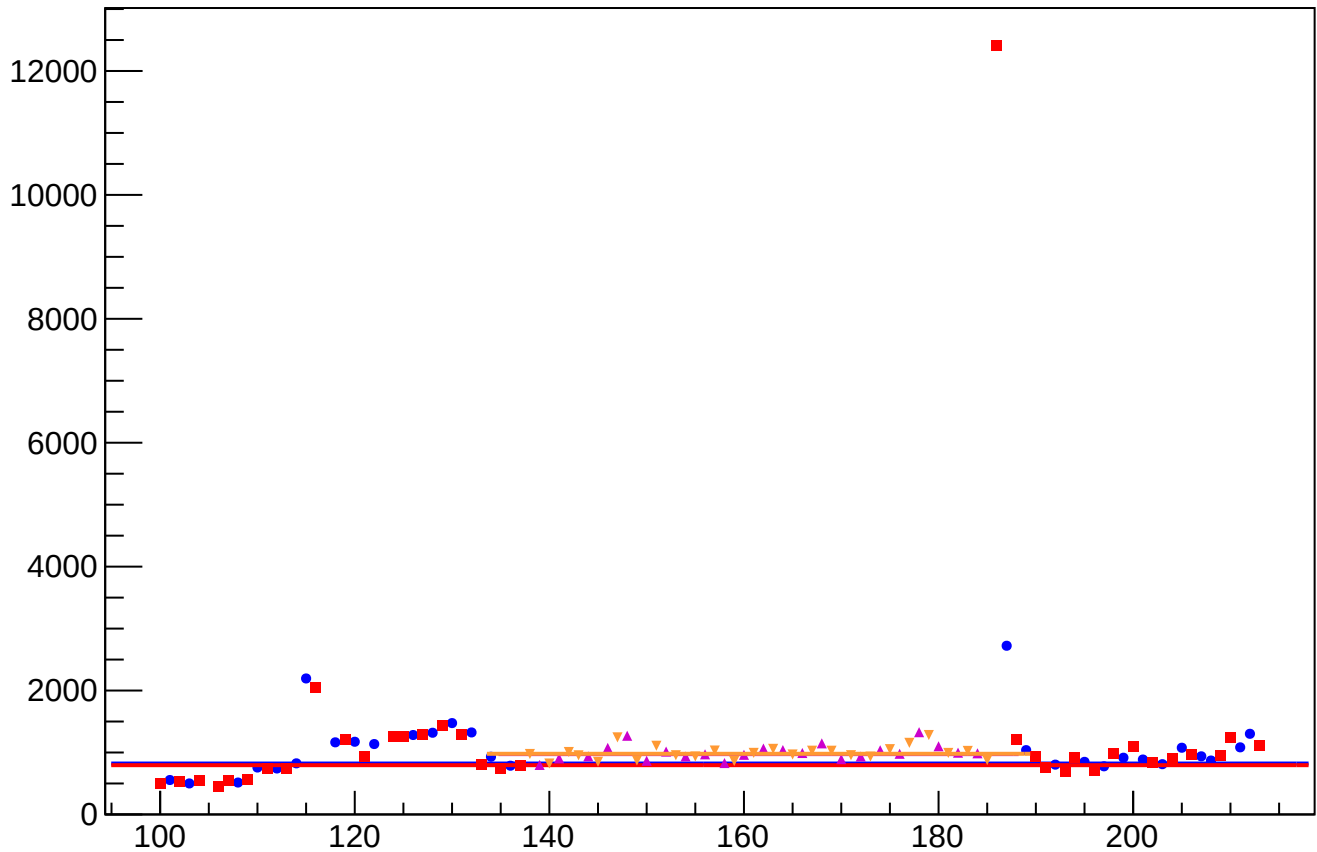
Left In: -74.440 ± 229.788 χ^2/NDF : 33.1/22

+ sign -179.356 ± 152.049 χ^2/NDF : 43.5/53

All: -272.779 ± 106.178 χ^2/NDF : 120.5/110

- sign -361.697 ± 148.337 χ^2/NDF : 76.2/56

asym_sam5_reg_correction_rms vs Slug



Right In: 821.873+/-0.146 χ^2/NDF : 2701768.8/28

Left Out: 979.111+/-0.159 χ^2/NDF : 429795.3/24

Right Out: 795.434+/-0.137 χ^2/NDF : 3836263.6/33

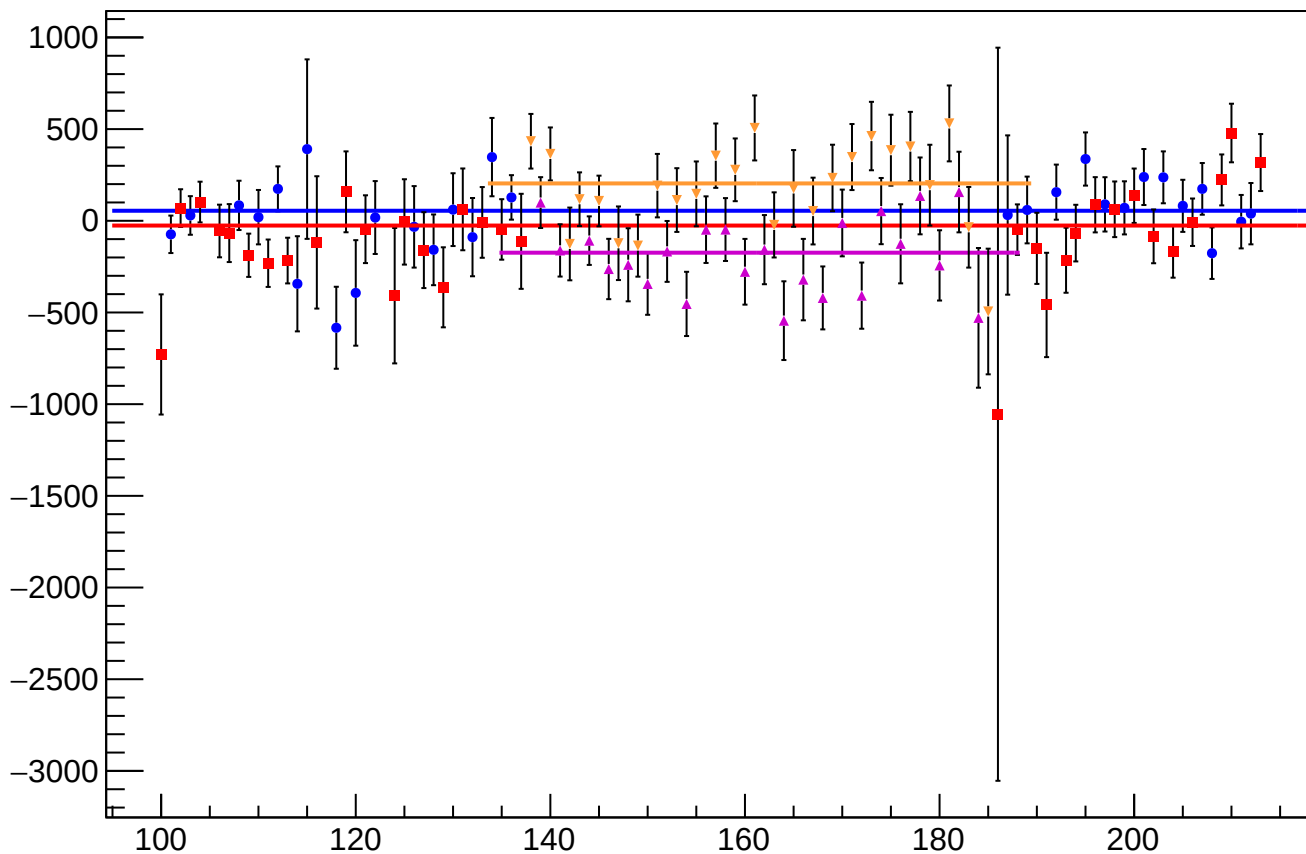
Left In: 973.818+/-0.162 χ^2/NDF : 498612.7/22

+ sign 893.964+/-0.108 χ^2/NDF : 3662596.0/53

All: 881.568+/-0.075 χ^2/NDF : 8726429.4/110

- sign 869.770+/-0.105 χ^2/NDF : 5037888.6/56

cor_asym_sam5_mean vs Slug



Right In: 54.758 ± 29.349 $\chi^2/\text{NDF}: 31.3/28$

Left Out: 203.766 ± 35.878 $\chi^2/\text{NDF}: 32.9/24$

Right Out: -25.973 ± 27.914 $\chi^2/\text{NDF}: 44.2/33$

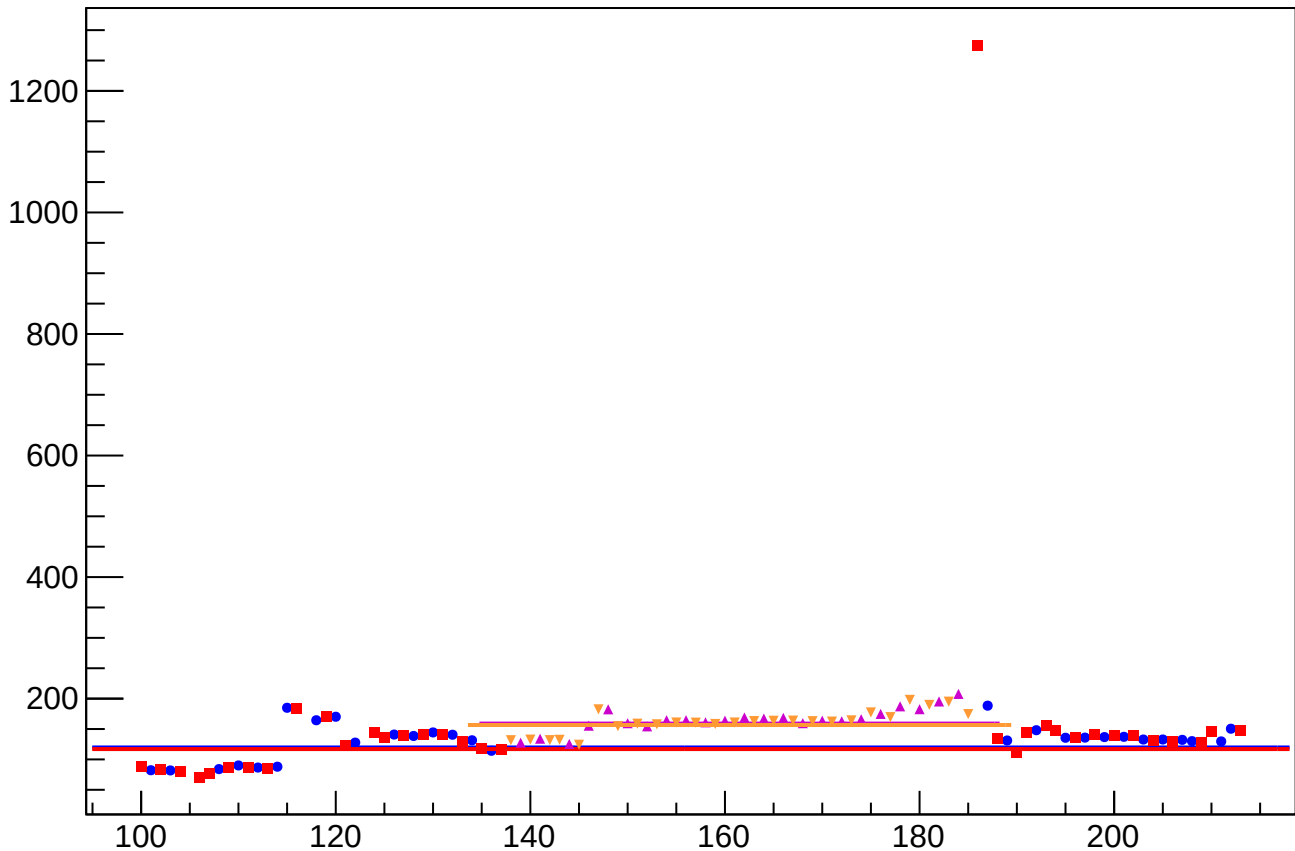
Left In: -173.978 ± 37.405 $\chi^2/\text{NDF}: 24.5/22$

+ sign 114.494 ± 22.716 $\chi^2/\text{NDF}: 74.5/53$

All: 16.310 ± 15.939 $\chi^2/\text{NDF}: 190.1/110$

- sign -78.914 ± 22.371 $\chi^2/\text{NDF}: 78.8/56$

cor_asym_sam5_rms vs Slug



Right In: 119.635 $\pm$ 0.021 χ^2 /NDF: 1570018.2/28

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 117.008 $\pm$ 0.020 χ^2 /NDF: 2726186.8/33

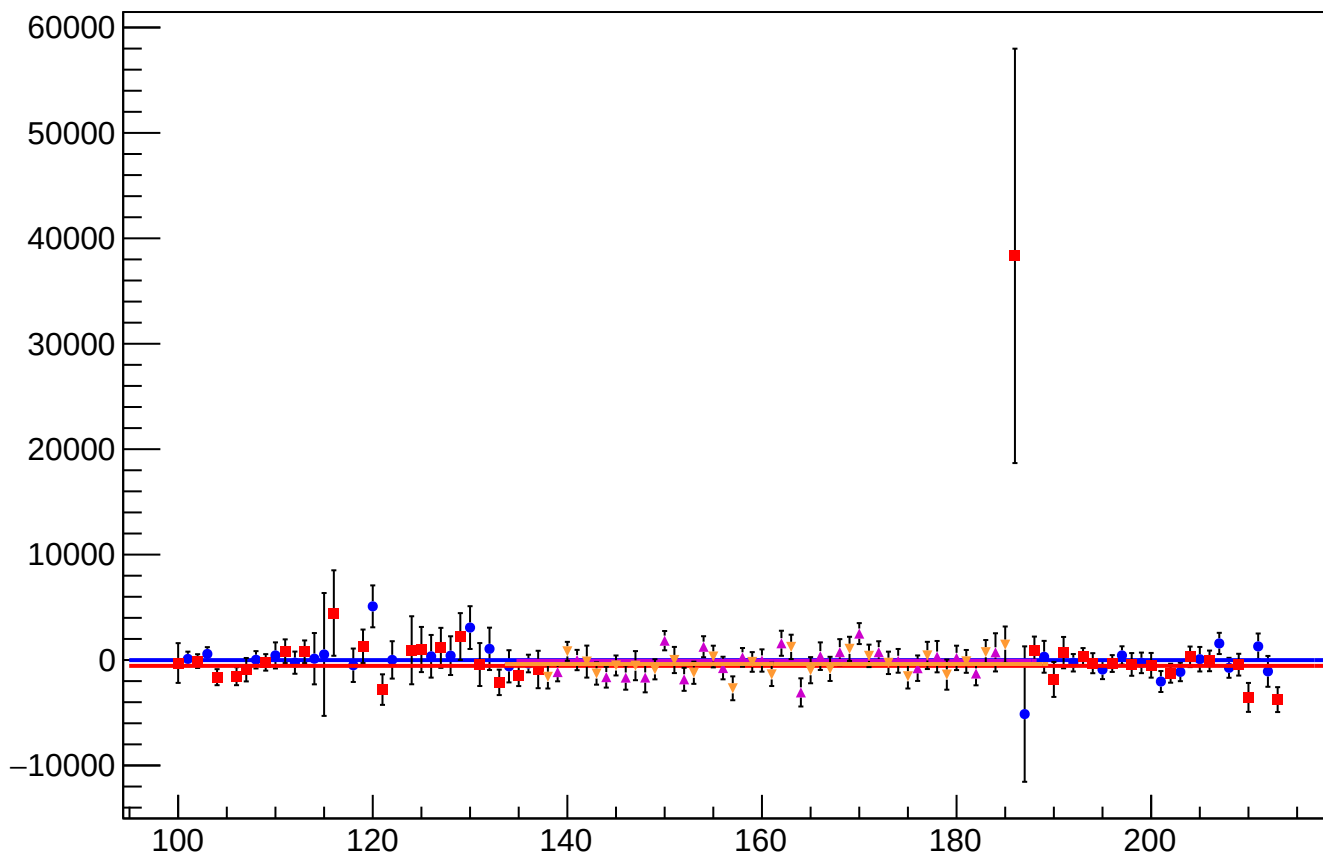
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 134.469 $\pm$ 0.016 χ^2 /NDF: 3426962.1/53

All: 133.221 $\pm$ 0.011 χ^2 /NDF: 8291580.5/110

- sign 132.011 $\pm$ 0.016 χ^2 /NDF: 4852730.2/56

asym_sam5_cor_correction_mean vs Slug



Right In: -8.891 ± 206.622 χ^2/NDF : 23.3/28

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -553.559 ± 194.294 χ^2/NDF : 39.7/33

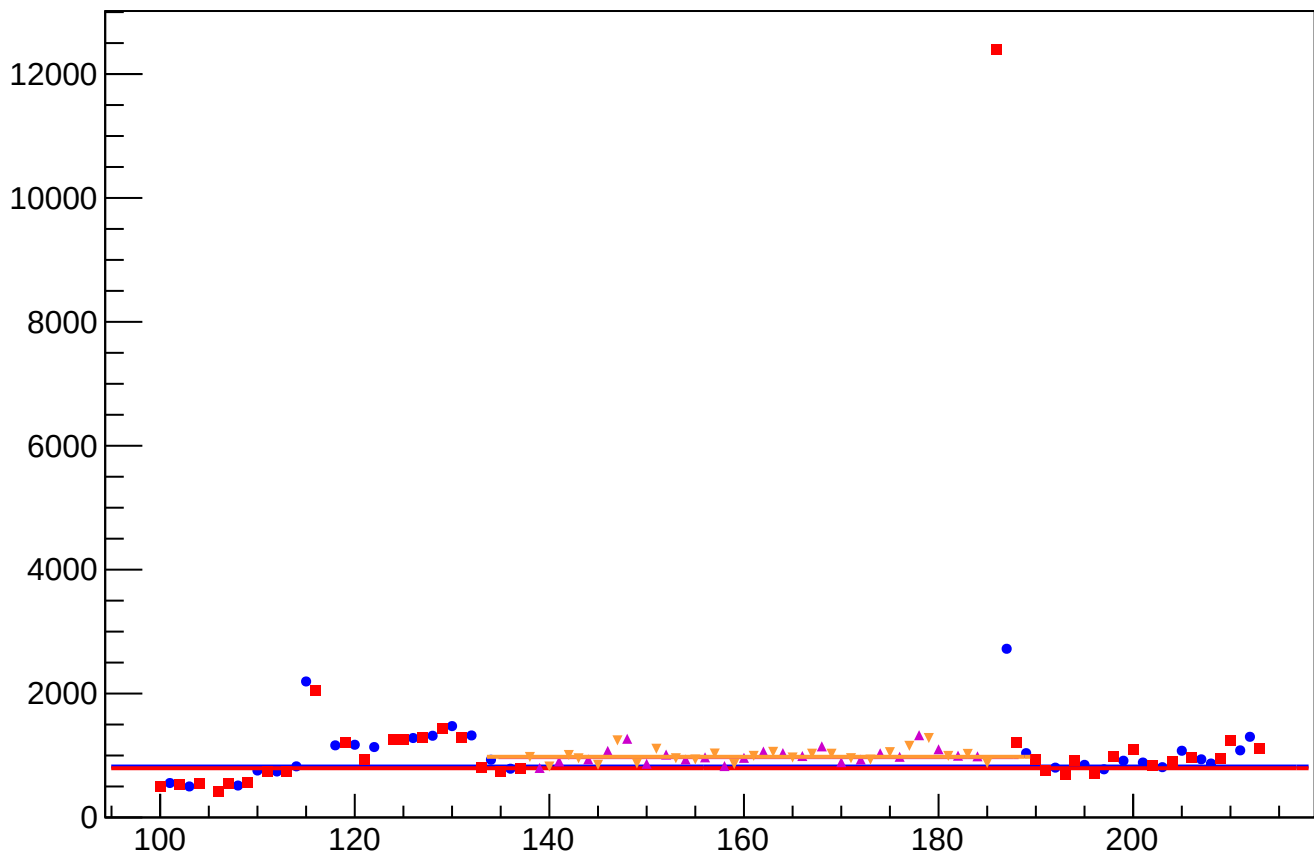
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -179.349 ± 152.049 χ^2/NDF : 43.5/53

All: -268.723 ± 106.189 χ^2/NDF : 119.5/110

- sign -353.820 ± 148.367 χ^2/NDF : 75.3/56

asym_sam5_cor_correction_rms vs Slug



Right In: 821.872+/-0.146 χ^2/NDF : 2701772.5/28

Left Out: 979.112+/-0.159 χ^2/NDF : 429793.5/24

Right Out: 794.407+/-0.137 χ^2/NDF : 3879889.1/33

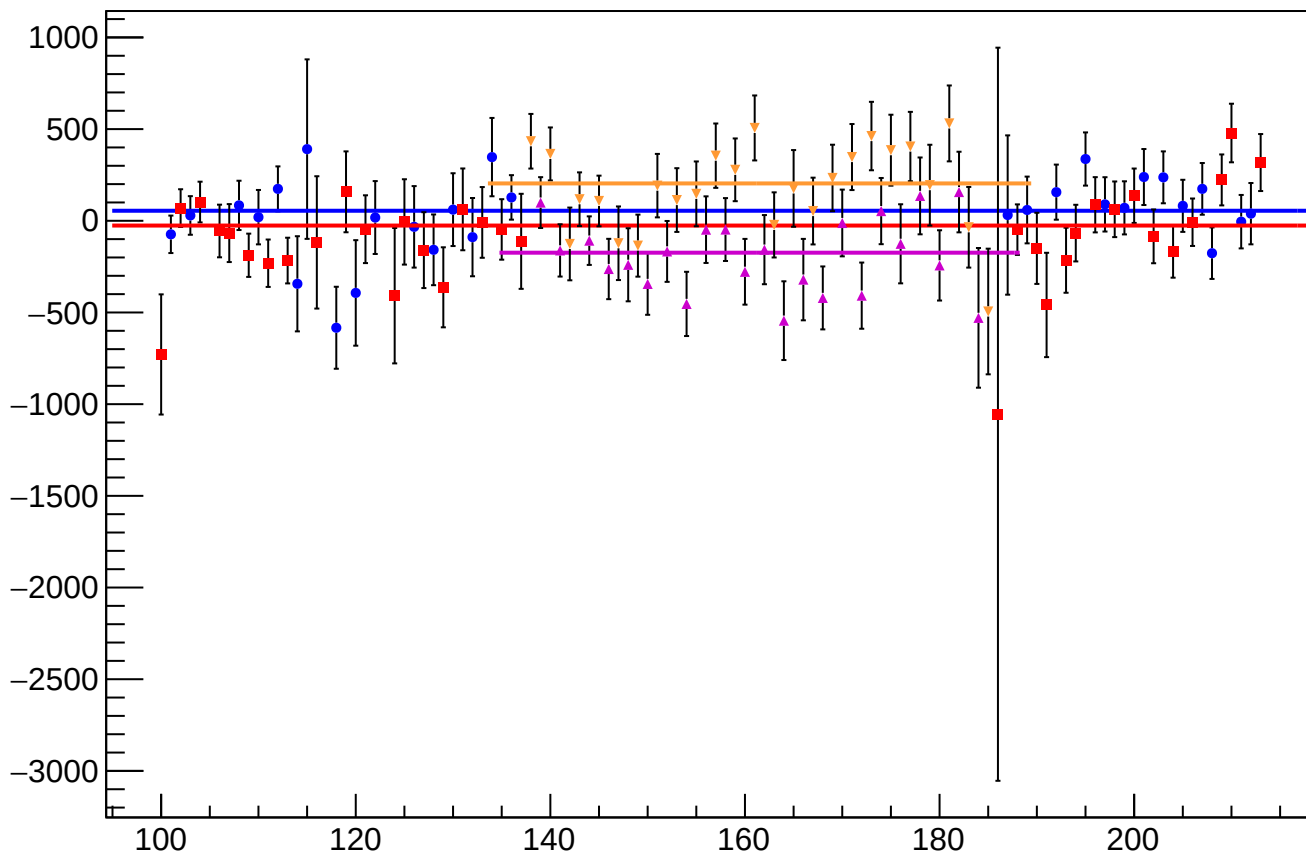
Left In: 973.818+/-0.162 χ^2/NDF : 498615.1/22

+ sign 893.964+/-0.108 χ^2/NDF : 3662601.0/53

All: 881.279+/-0.075 χ^2/NDF : 8779210.7/110

- sign 869.201+/-0.105 χ^2/NDF : 5089434.5/56

eigen_cor_asym_sam5_mean vs Slug



Right In: 54.758 ± 29.349 χ^2/NDF : 31.3/28

Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -25.973 ± 27.914 χ^2/NDF : 44.2/33

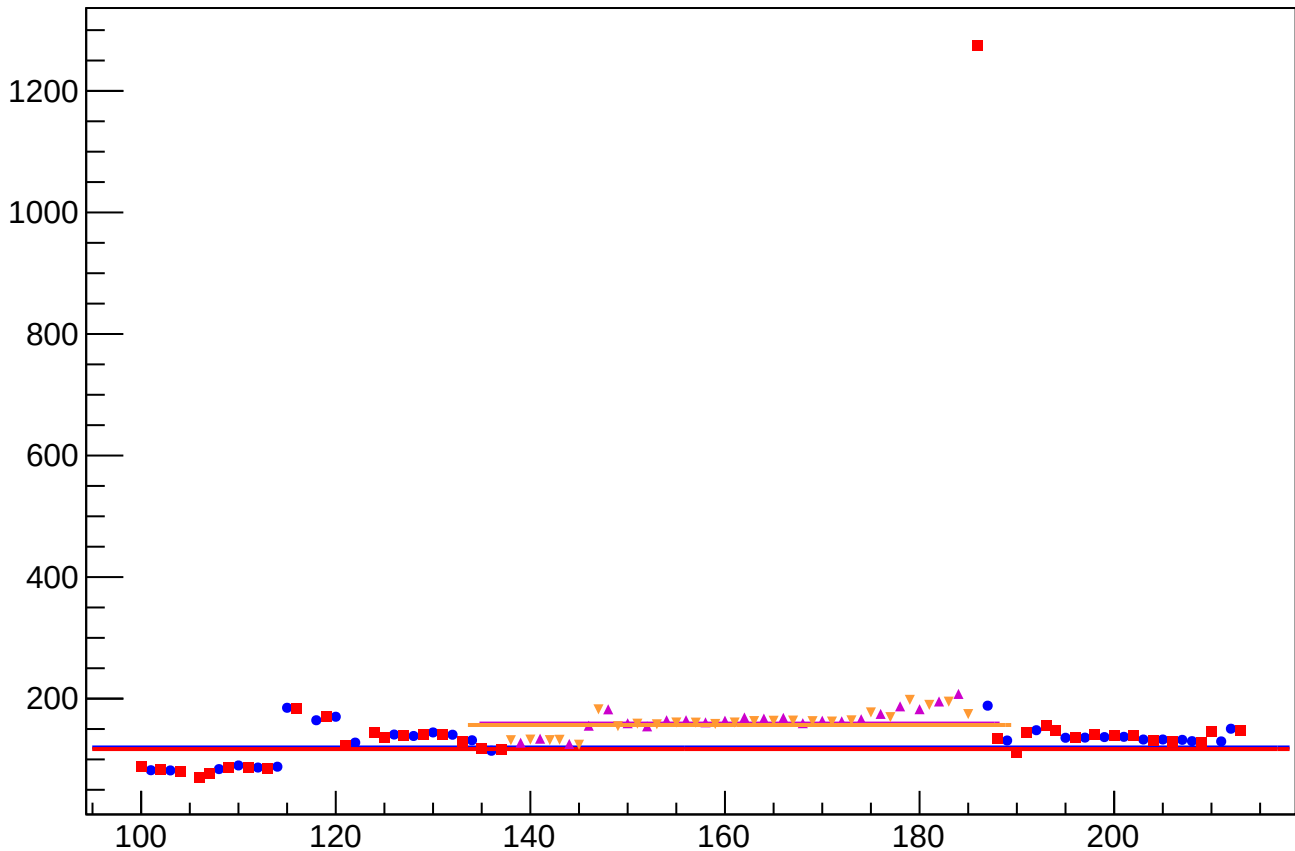
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 114.494 ± 22.716 χ^2/NDF : 74.5/53

All: 16.310 ± 15.939 χ^2/NDF : 190.1/110

- sign -78.914 ± 22.371 χ^2/NDF : 78.8/56

eigen_cor_asym_sam5_rms vs Slug



Right In: 119.635 $\pm$ 0.021 χ^2 /NDF: 1570018.2/28

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 117.008 $\pm$ 0.020 χ^2 /NDF: 2726186.8/33

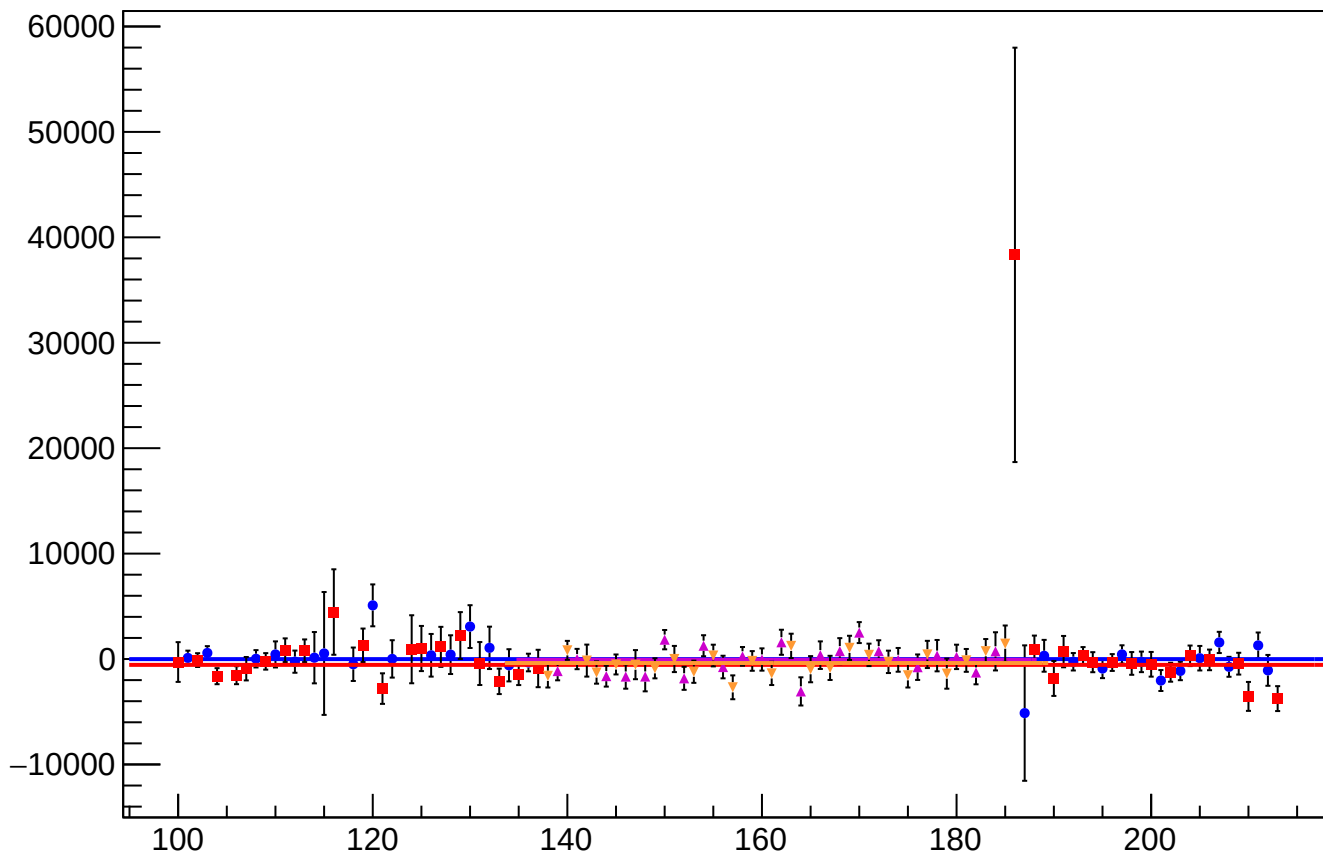
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 134.469 $\pm$ 0.016 χ^2 /NDF: 3426962.1/53

All: 133.221 $\pm$ 0.011 χ^2 /NDF: 8291580.5/110

- sign 132.011 $\pm$ 0.016 χ^2 /NDF: 4852730.2/56

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -8.891 ± 206.622 χ^2/NDF : 23.3/28

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -553.559 ± 194.294 χ^2/NDF : 39.7/33

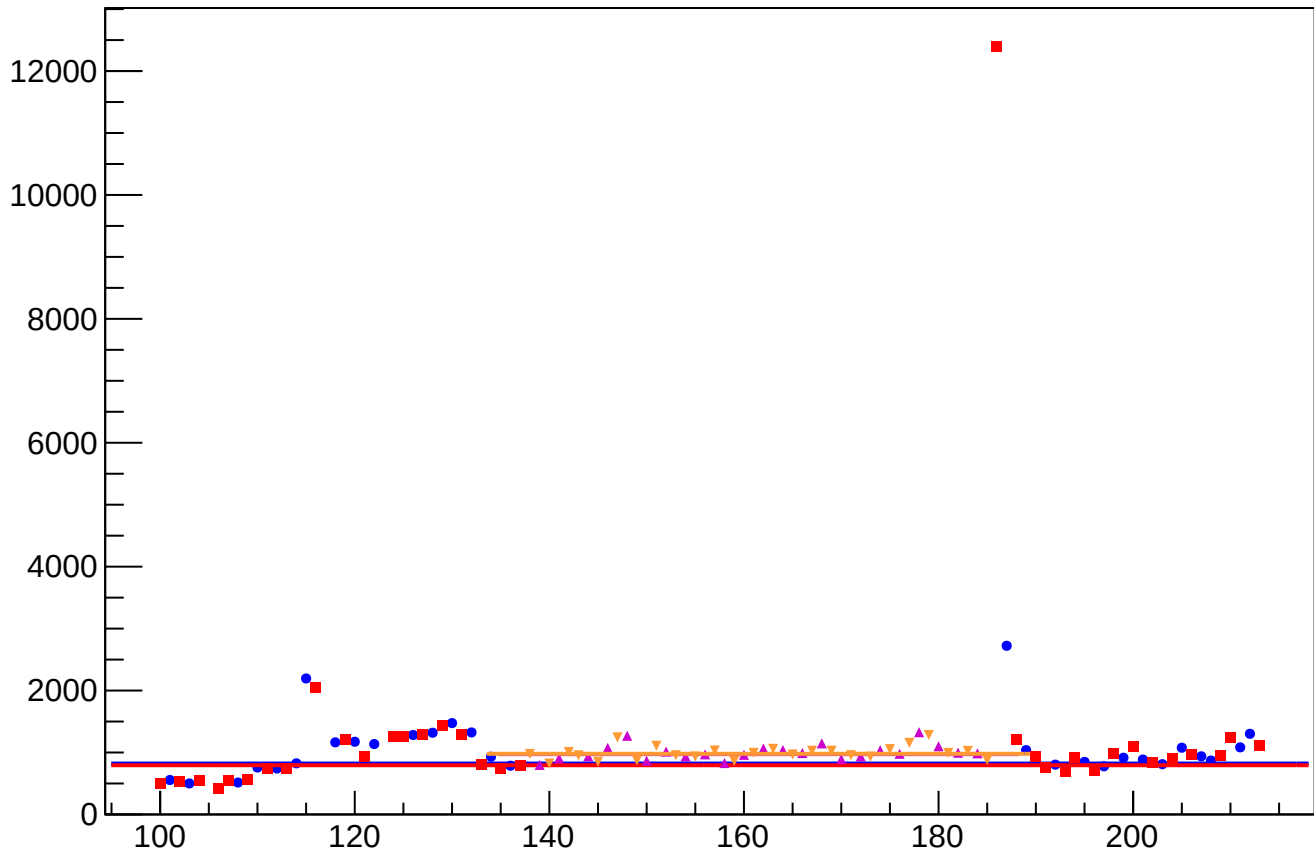
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -179.349 ± 152.049 χ^2/NDF : 43.5/53

All: -268.723 ± 106.189 χ^2/NDF : 119.5/110

- sign -353.820 ± 148.367 χ^2/NDF : 75.3/56

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 821.872 $\pm$ 0.146 χ^2 /NDF: 2701772.5/28

Left Out: 979.112 $\pm$ 0.159 χ^2 /NDF: 429793.5/24

Right Out: 794.407 $\pm$ 0.137 χ^2 /NDF: 3879889.1/33

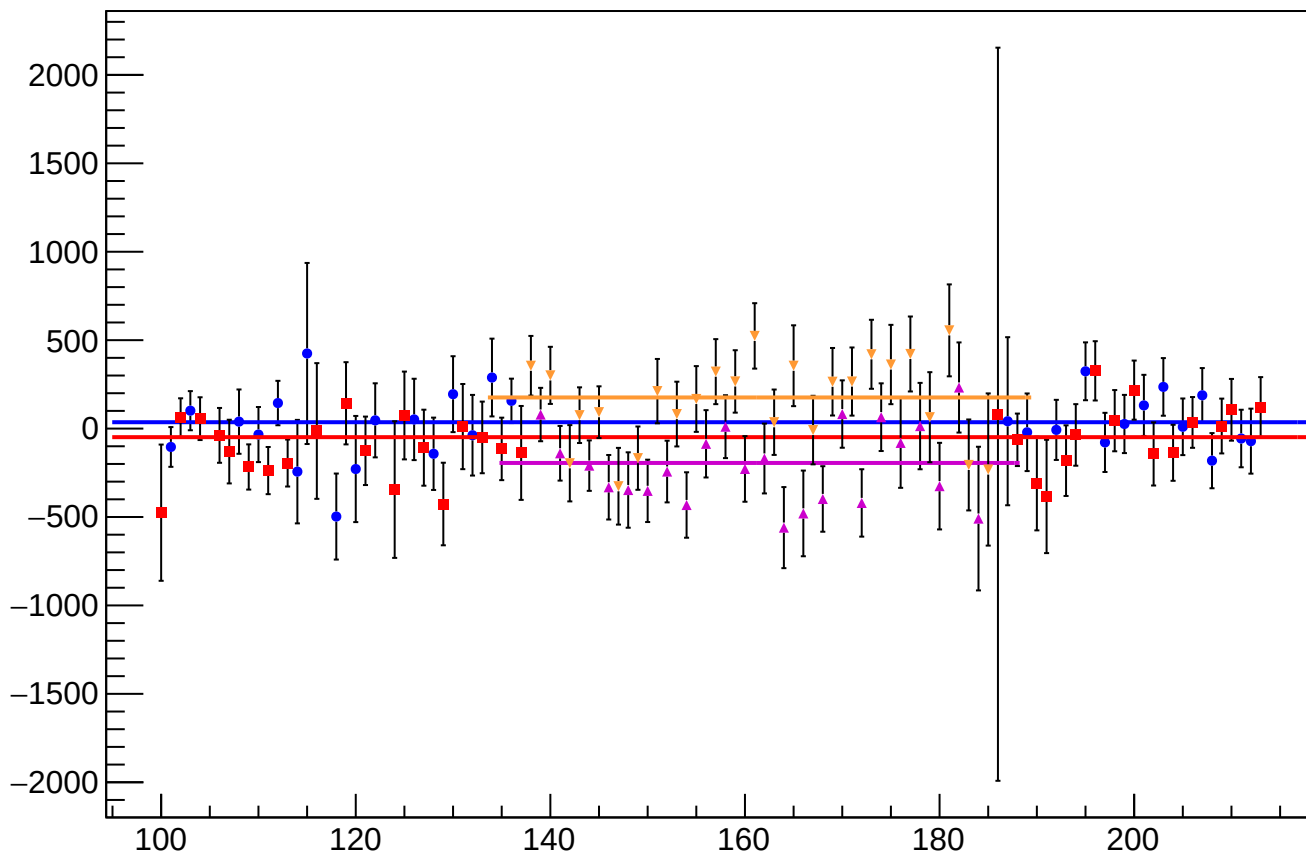
Left In: 973.818 $\pm$ 0.162 χ^2 /NDF: 498615.1/22

+ sign 893.964 $\pm$ 0.108 χ^2 /NDF: 3662601.0/53

All: 881.279 $\pm$ 0.075 χ^2 /NDF: 8779210.7/110

- sign 869.201 $\pm$ 0.105 χ^2 /NDF: 5089434.5/56

dit_asym_sam5_mean vs Slug



Right In: 36.007 ± 32.262 χ^2/NDF : 22.7/28

Left Out: 176.010 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -48.499 ± 30.567 χ^2/NDF : 26.1/33

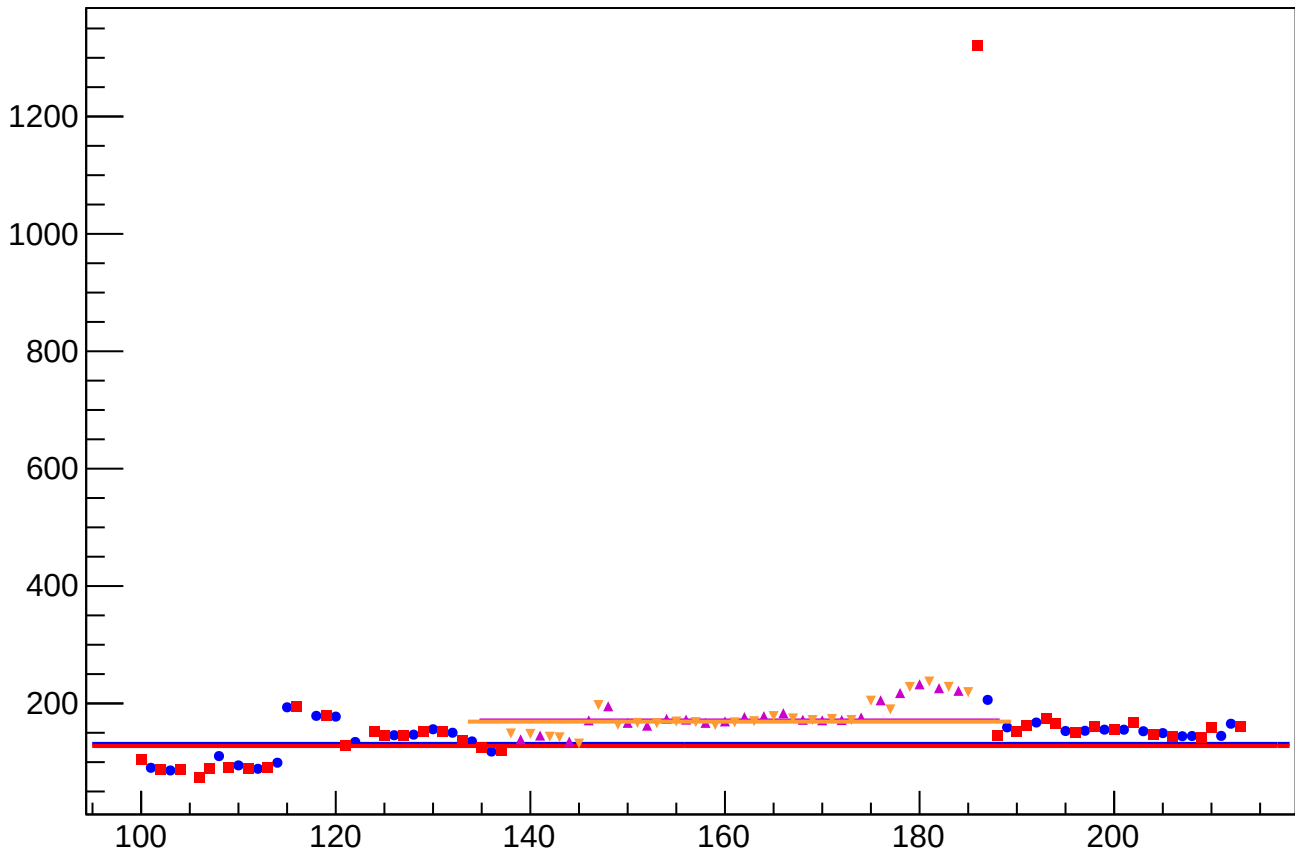
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 93.171 ± 24.817 χ^2/NDF : 61.2/53

All: -5.981 ± 17.389 χ^2/NDF : 150.8/110

- sign -101.614 ± 24.372 χ^2/NDF : 58.3/56

dit_asym_sam5_rms vs Slug



Right In: 131.081+/-0.023 χ^2/NDF : 1728006.7/28

Left Out: 169.009+/-0.027 χ^2/NDF : 773937.9/24

Right Out: 127.401+/-0.022 χ^2/NDF : 2993506.2/33

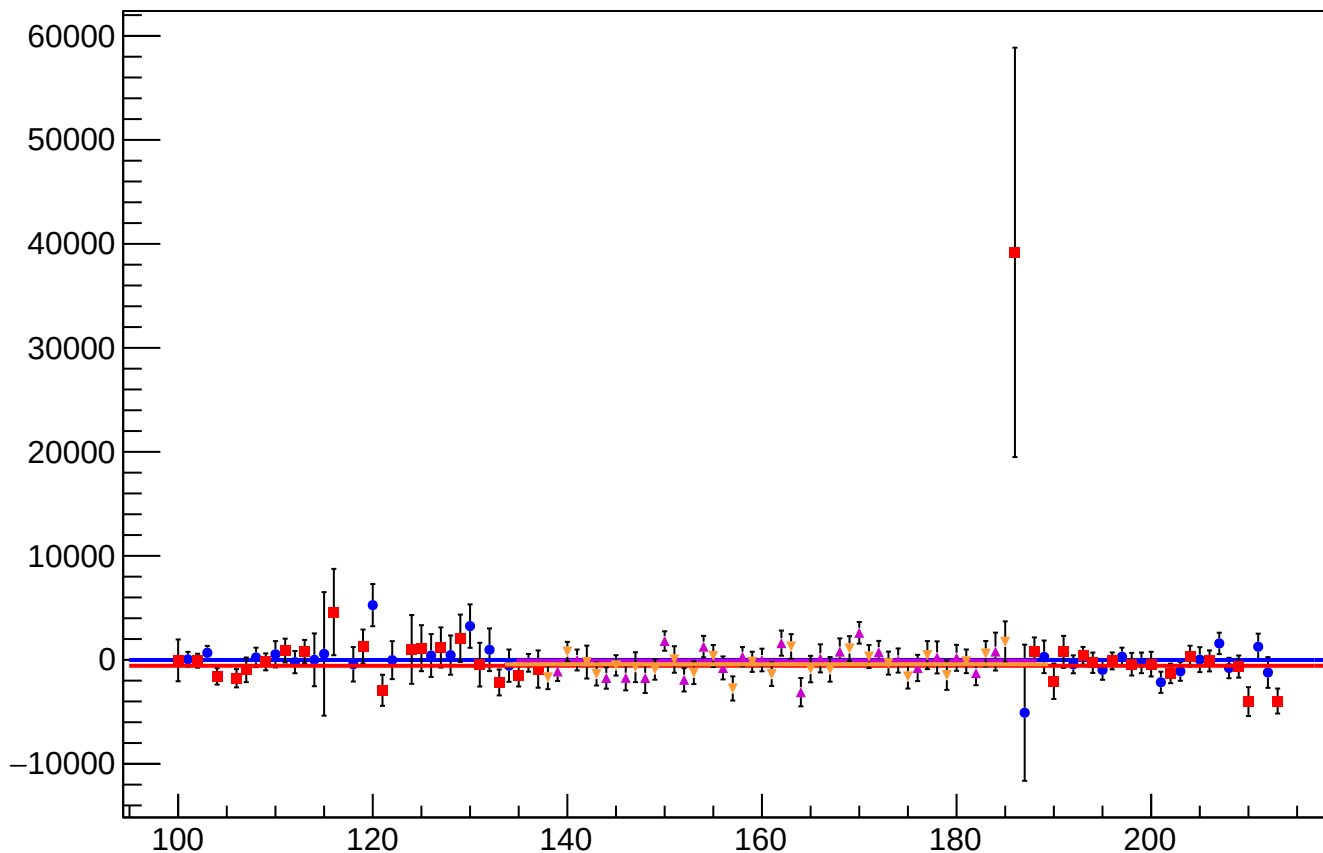
Left In: 171.021+/-0.029 χ^2/NDF : 678106.1/22

+ sign 146.567+/-0.018 χ^2/NDF : 3630555.1/53

All: 144.899+/-0.012 χ^2/NDF : 8803418.0/110

- sign 143.289+/-0.017 χ^2/NDF : 5155097.4/56

asym_sam5_dit_correction_mean vs Slug



Right In: -12.572 ± 213.731 χ^2/NDF : 23.9/28

Left Out: -425.819 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -570.733 ± 200.422 χ^2/NDF : 42.6/33

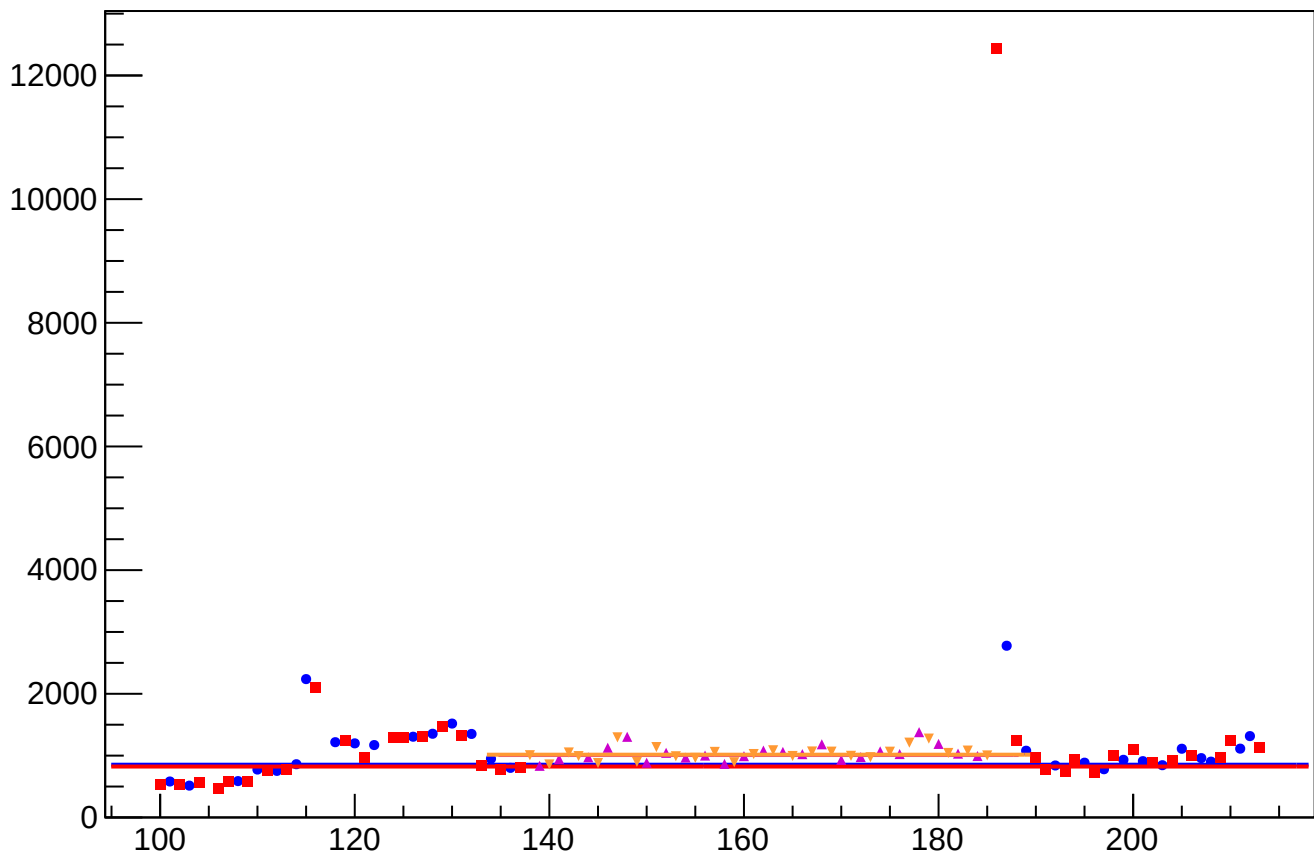
Left In: -86.486 ± 238.155 χ^2/NDF : 32.4/22

+ sign -201.791 ± 157.367 χ^2/NDF : 44.0/53

All: -288.054 ± 109.826 χ^2/NDF : 122.0/110

- sign -369.965 ± 153.346 χ^2/NDF : 77.5/56

asym_sam5_dit_correction_rms vs Slug



Right In: 853.031+/-0.151 χ^2/NDF : 2541728.2/28

Left Out: 1015.046+/-0.164 χ^2/NDF : 397966.2/24

Right Out: 823.450+/-0.142 χ^2/NDF : 3687351.3/33

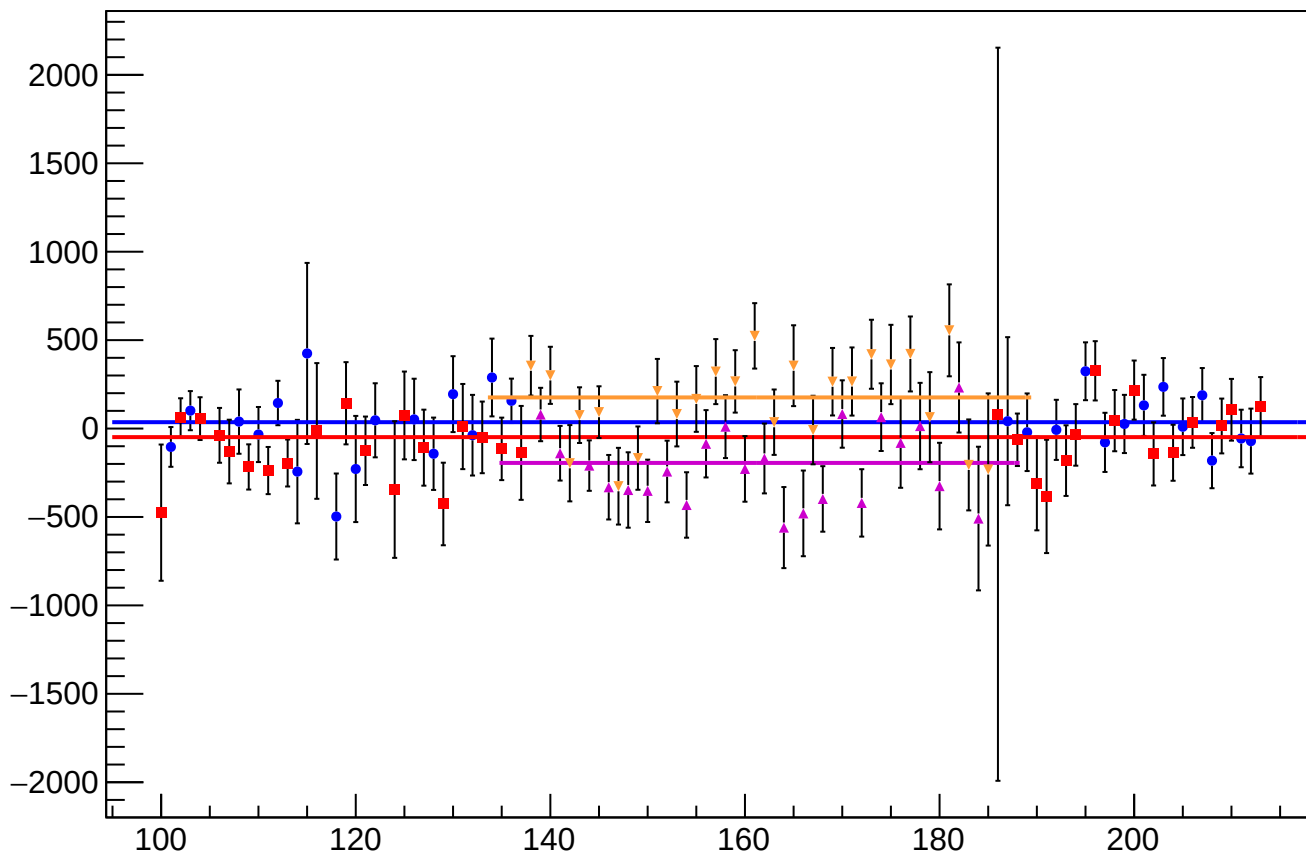
Left In: 1009.672+/-0.168 χ^2/NDF : 498783.5/22

+ sign 927.215+/-0.111 χ^2/NDF : 3465908.7/53

All: 913.592+/-0.078 χ^2/NDF : 8397125.2/110

- sign 900.657+/-0.108 χ^2/NDF : 4901997.9/56

eigen_dit_asym_sam5_mean vs Slug



Right In: 36.007 ± 32.262 χ^2/NDF : 22.7/28

Left Out: 176.011 ± 38.838 χ^2/NDF : 30.8/24

Right Out: -48.499 ± 30.567 χ^2/NDF : 26.1/33

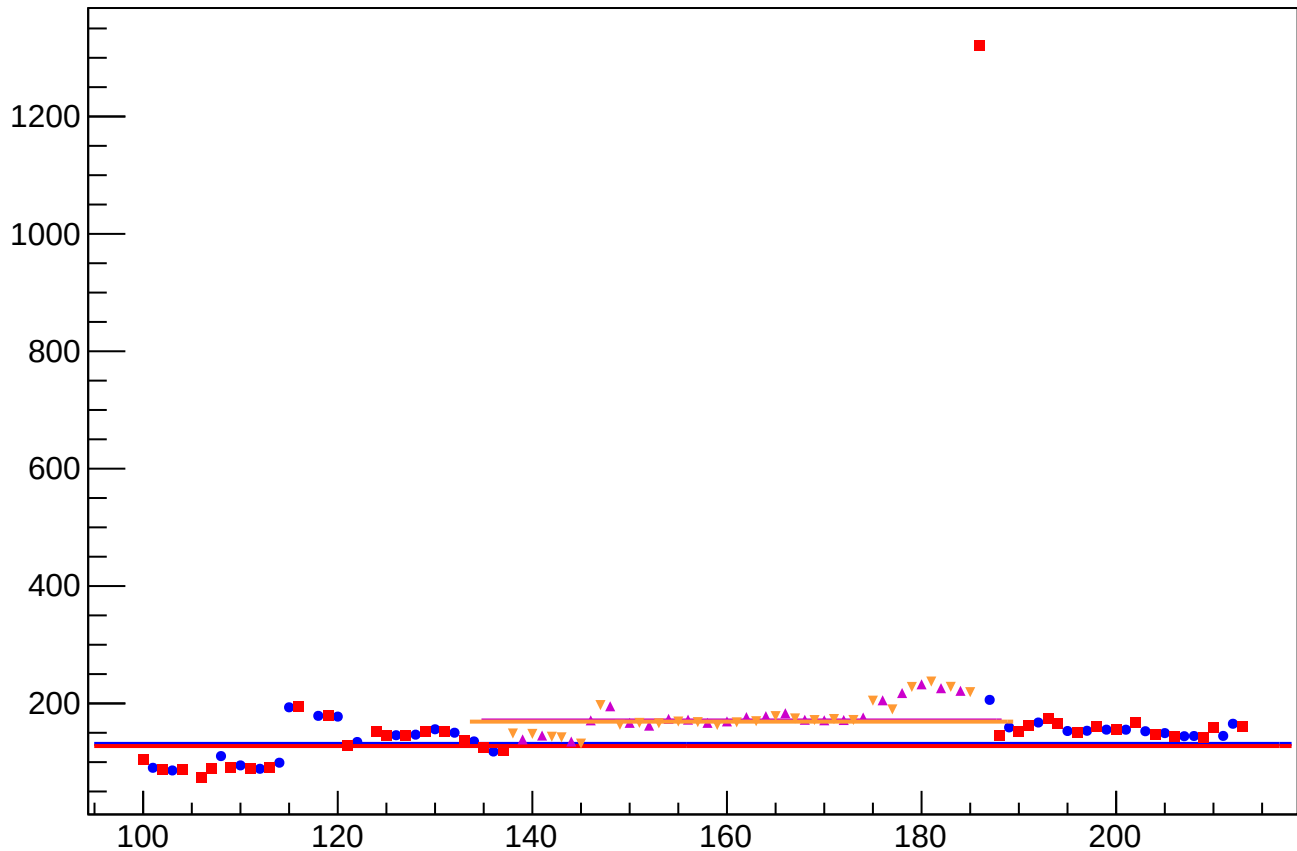
Left In: -194.324 ± 40.384 χ^2/NDF : 23.8/22

+ sign 93.171 ± 24.817 χ^2/NDF : 61.2/53

All: -5.981 ± 17.389 χ^2/NDF : 150.8/110

- sign -101.614 ± 24.372 χ^2/NDF : 58.3/56

eigen_dit_asym_sam5_rms vs Slug



Right In: 131.081+/-0.023 χ^2/NDF : 1728012.5/28

Left Out: 169.009+/-0.027 χ^2/NDF : 773925.9/24

Right Out: 127.401+/-0.022 χ^2/NDF : 2993507.5/33

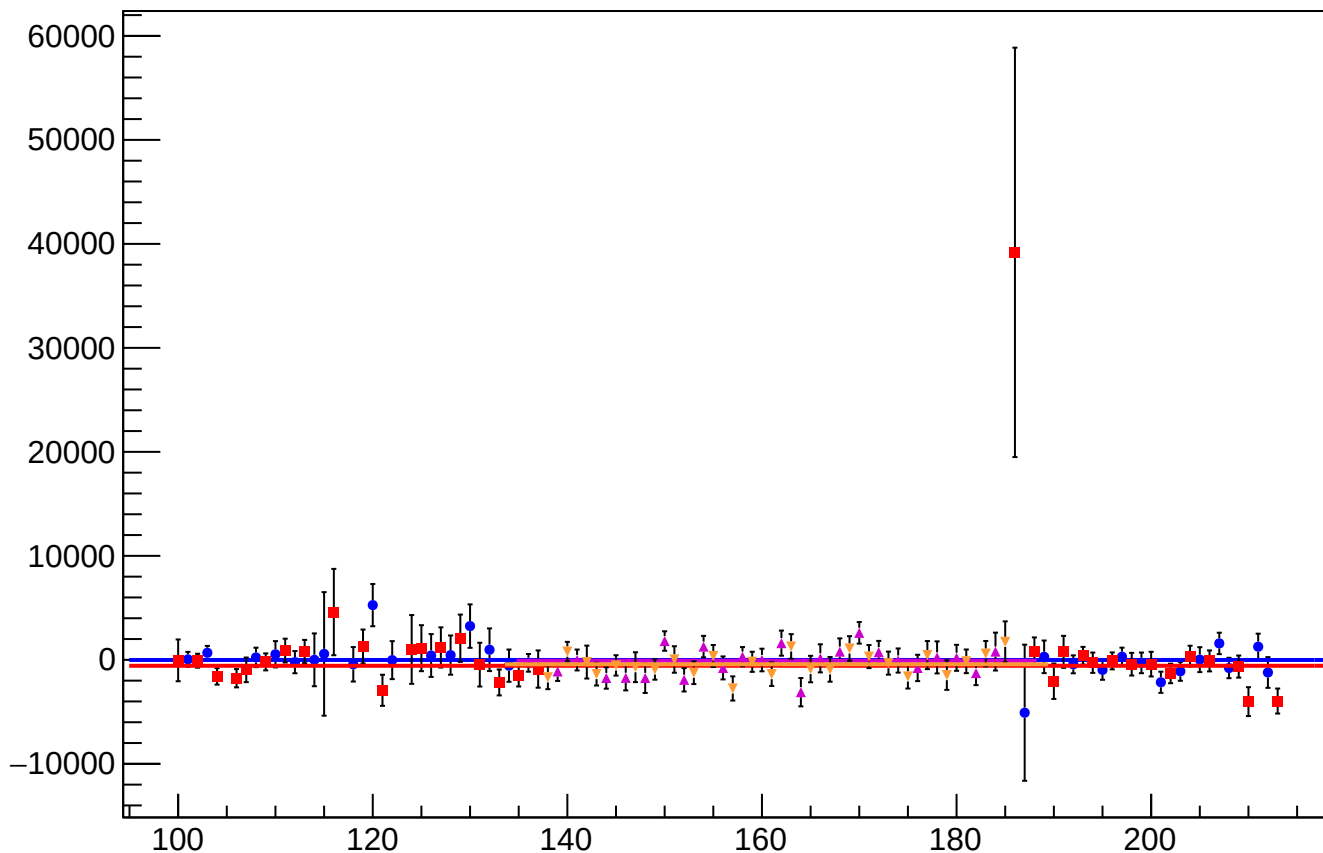
Left In: 171.021+/-0.029 χ^2/NDF : 678096.1/22

+ sign 146.567+/-0.018 χ^2/NDF : 3630572.4/53

All: 144.899+/-0.012 χ^2/NDF : 8803456.9/110

- sign 143.289+/-0.017 χ^2/NDF : 5155119.7/56

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -12.571 ± 213.731 χ^2/NDF : 23.9/28

Left Out: -425.818 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -570.733 ± 200.422 χ^2/NDF : 42.6/33

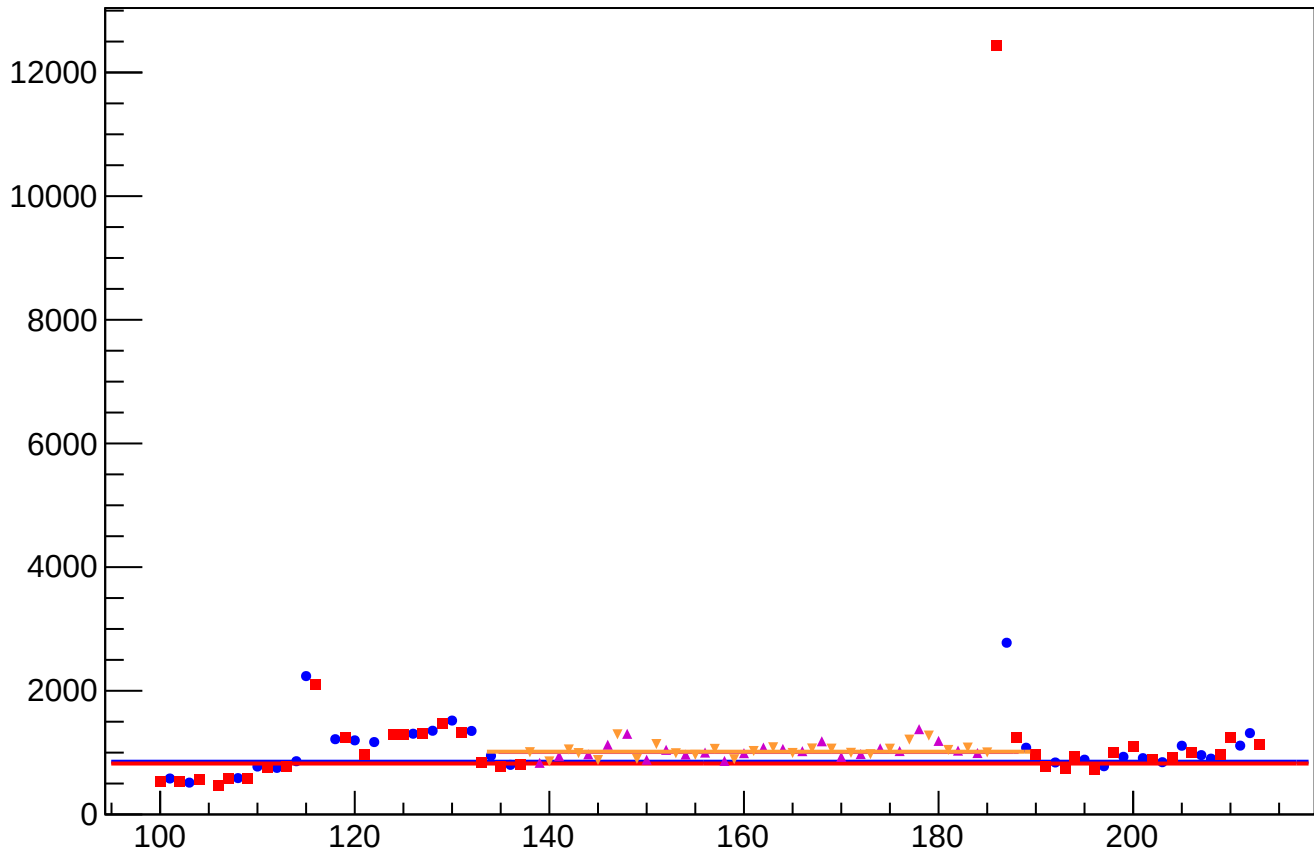
Left In: -86.487 ± 238.155 χ^2/NDF : 32.4/22

+ sign -201.790 ± 157.367 χ^2/NDF : 44.0/53

All: -288.054 ± 109.826 χ^2/NDF : 122.0/110

- sign -369.966 ± 153.346 χ^2/NDF : 77.5/56

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 853.030 $\pm$ 0.151 χ^2 /NDF: 2541727.4/28

Left Out: 1015.047 $\pm$ 0.164 χ^2 /NDF: 397964.6/24

Right Out: 823.449 $\pm$ 0.142 χ^2 /NDF: 3687355.6/33

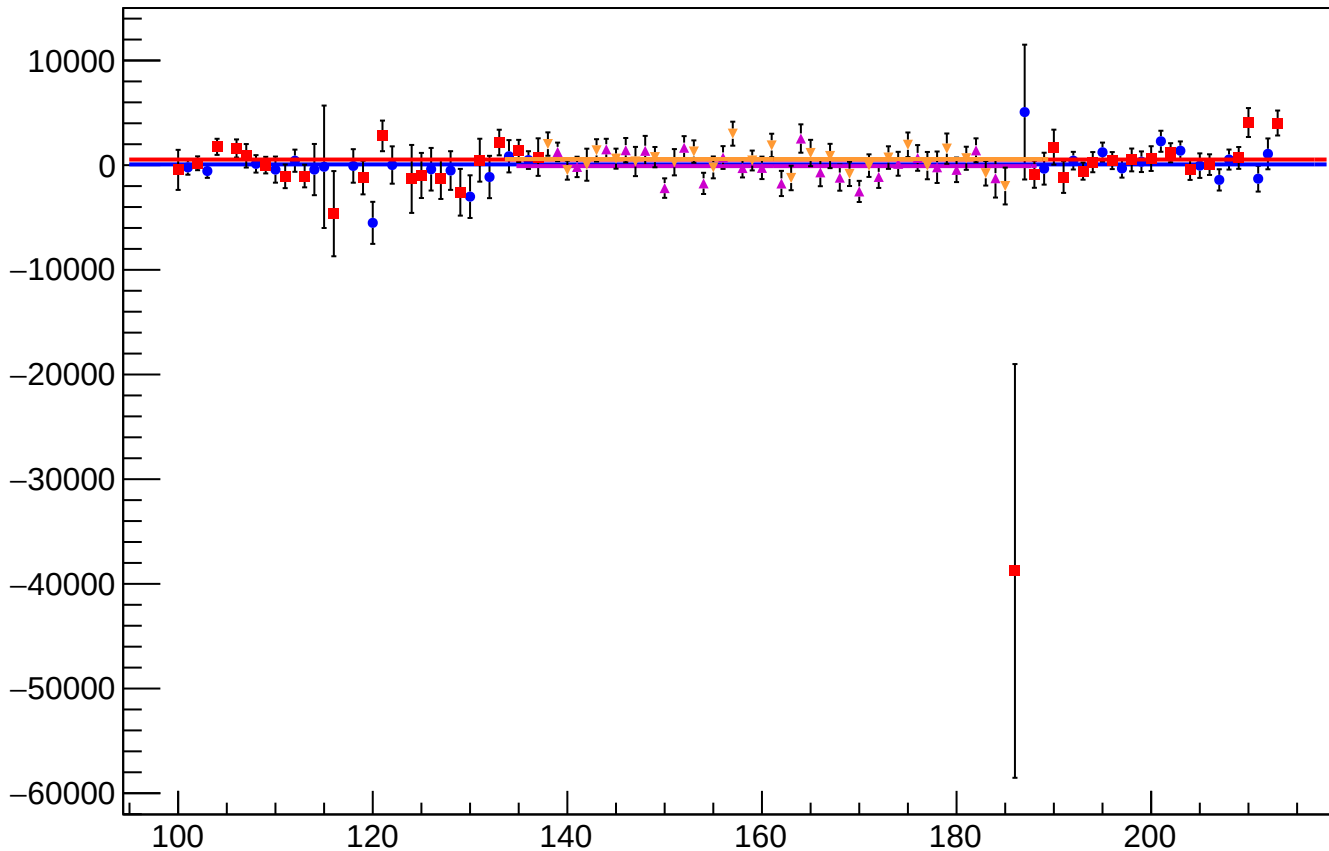
Left In: 1009.673 $\pm$ 0.168 χ^2 /NDF: 498783.6/22

+ sign 927.215 $\pm$ 0.111 χ^2 /NDF: 3465917.6/53

All: 913.592 $\pm$ 0.078 χ^2 /NDF: 8397151.3/110

- sign 900.657 $\pm$ 0.108 χ^2 /NDF: 4902015.3/56

asym_sam5_mean vs Slug



Right In: 72.657 ± 209.062 χ^2/NDF : 26.2/28

Left Out: 586.188 ± 227.585 χ^2/NDF : 20.8/24

Right Out: 537.361 ± 196.694 χ^2/NDF : 46.1/33

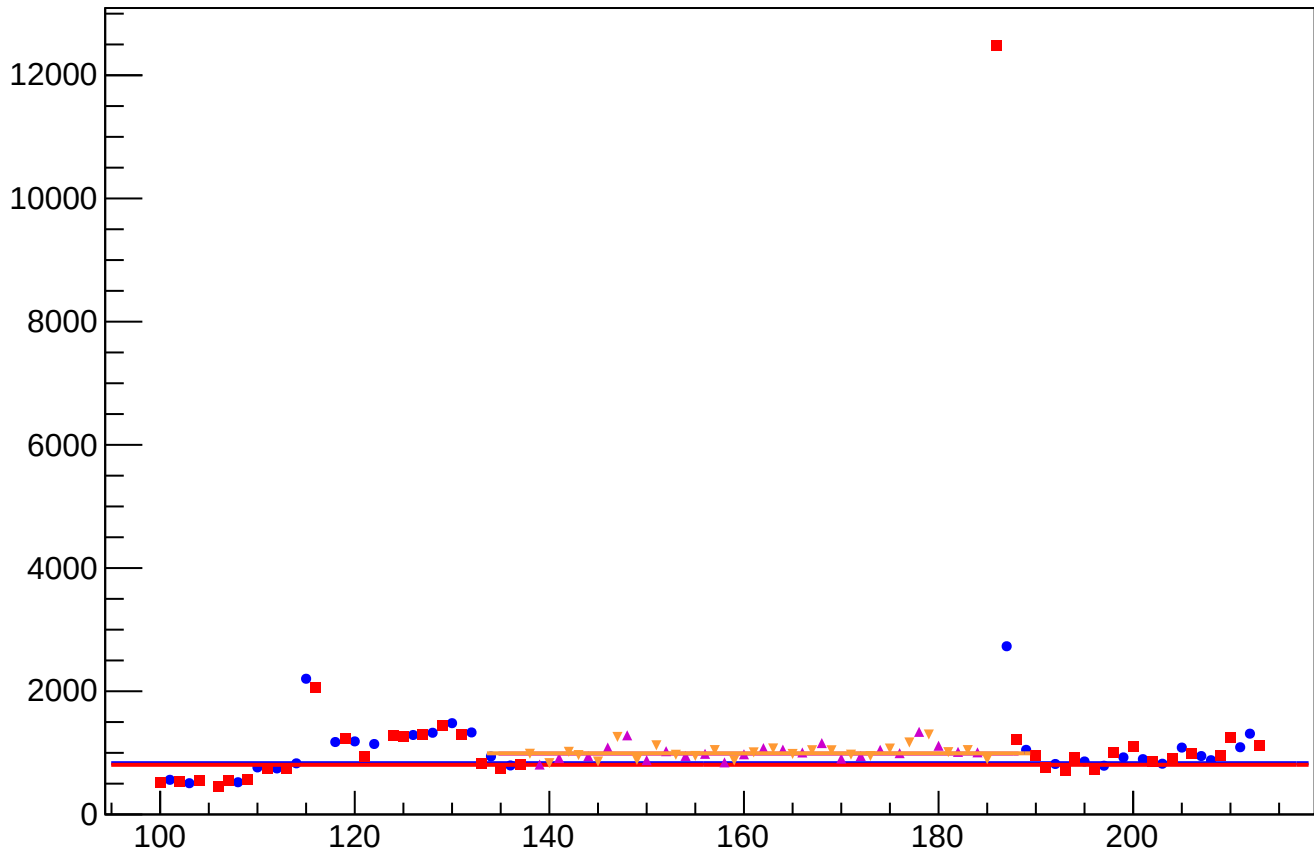
Left In: -92.688 ± 233.019 χ^2/NDF : 34.6/22

+ sign 307.676 ± 153.962 χ^2/NDF : 49.7/53

All: 291.057 ± 107.551 χ^2/NDF : 134.6/110

- sign 275.218 ± 150.305 χ^2/NDF : 84.9/56

asym_sam5_rms vs Slug



Right In: 832.204+/-0.148 χ^2/NDF : 2668492.3/28

Left Out: 992.549+/-0.161 χ^2/NDF : 424899.6/24

Right Out: 806.025+/-0.139 χ^2/NDF : 3798020.2/33

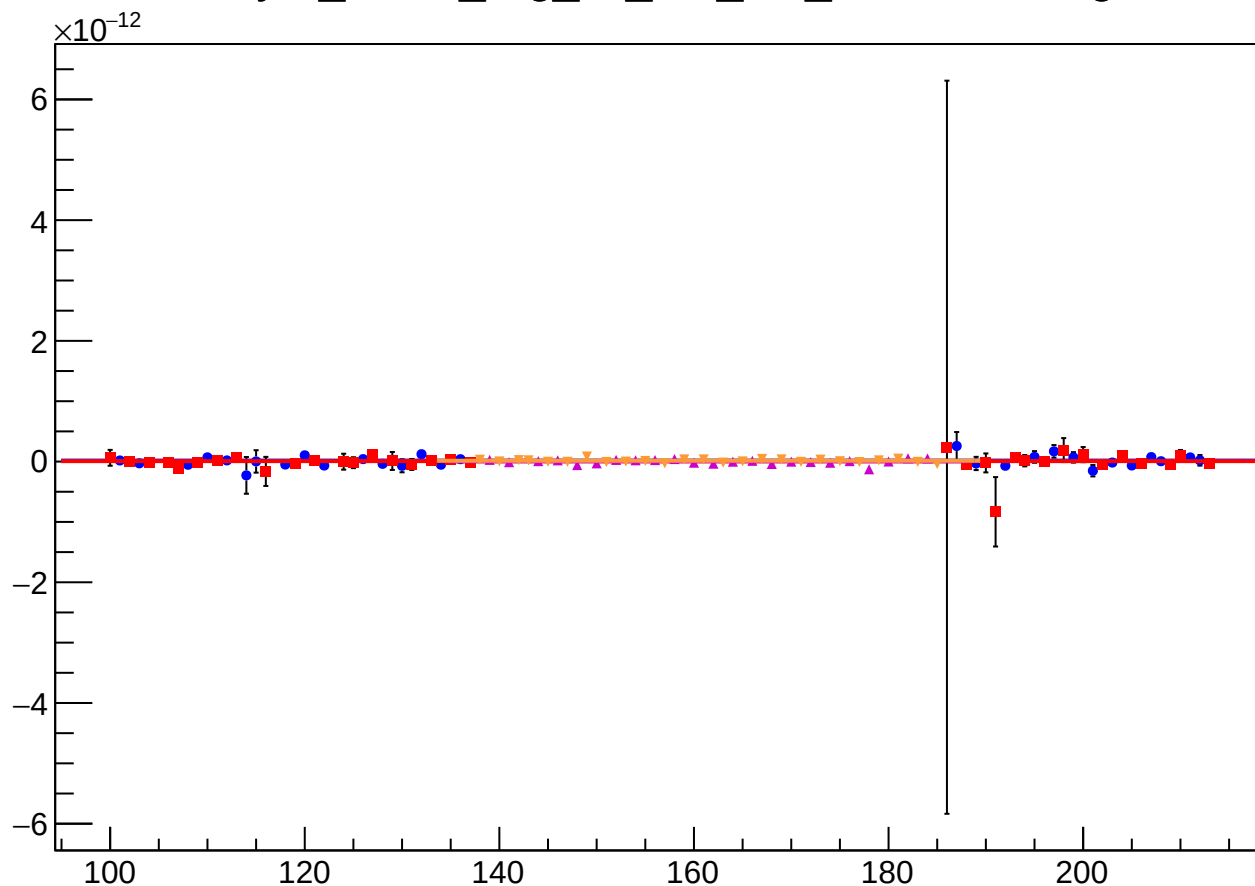
Left In: 987.784+/-0.165 χ^2/NDF : 487733.2/22

+ sign 905.587+/-0.109 χ^2/NDF : 3631821.2/53

All: 893.330+/-0.076 χ^2/NDF : 8652890.4/110

- sign 881.649+/-0.106 χ^2/NDF : 4996314.8/56

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 30.6/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.9/33

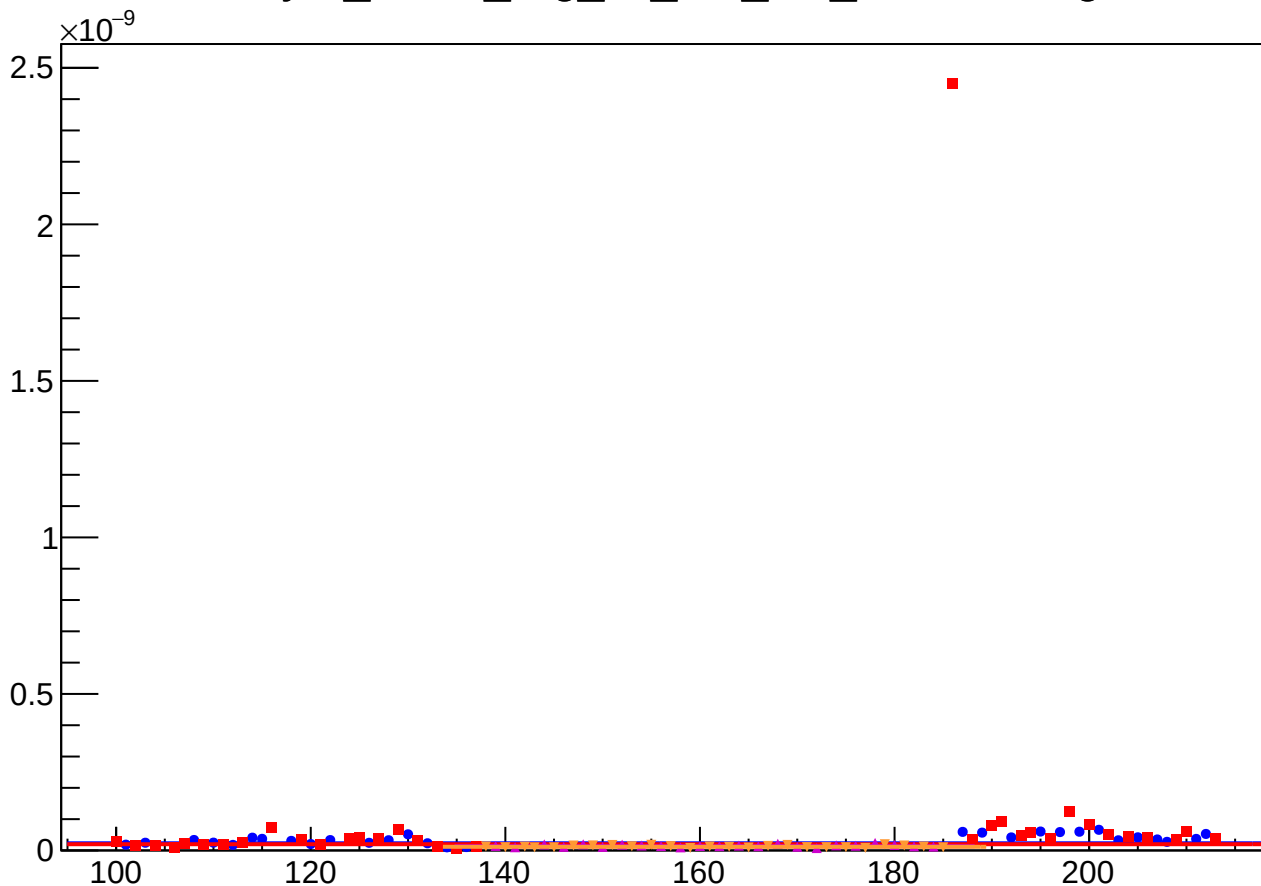
Left In: 0.000 ± 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 53.8/53

All: 0.000 ± 0.000 χ^2/NDF : 109.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 53.2/56

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4050332.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6564894.2/33

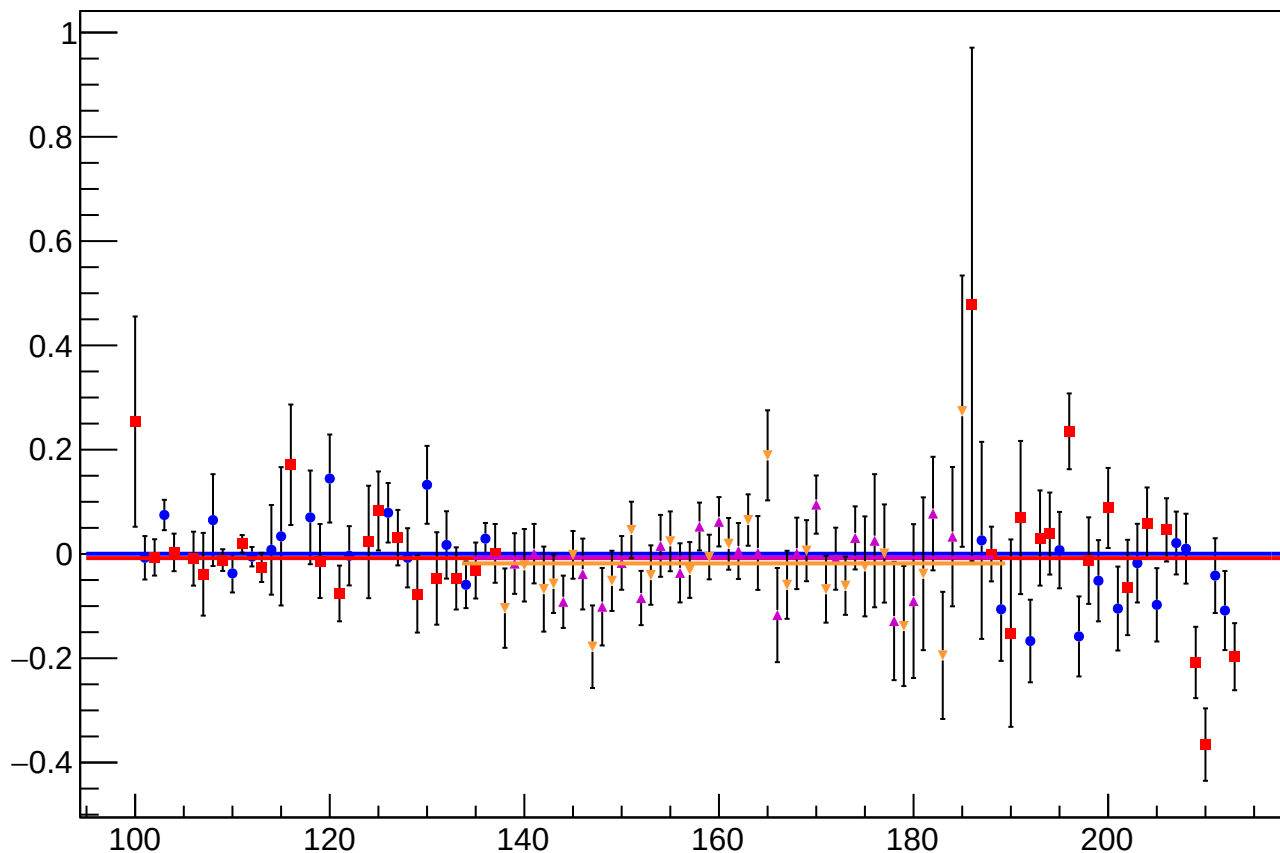
Left In: 0.000+/-0.000 χ^2/NDF : 853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 7091322.1/53

All: 0.000+/-0.000 χ^2/NDF : 15451238.2/110

- sign 0.000+/-0.000 χ^2/NDF : 8259519.7/56

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.009 χ^2/NDF : 36.3/28

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 73.8/33

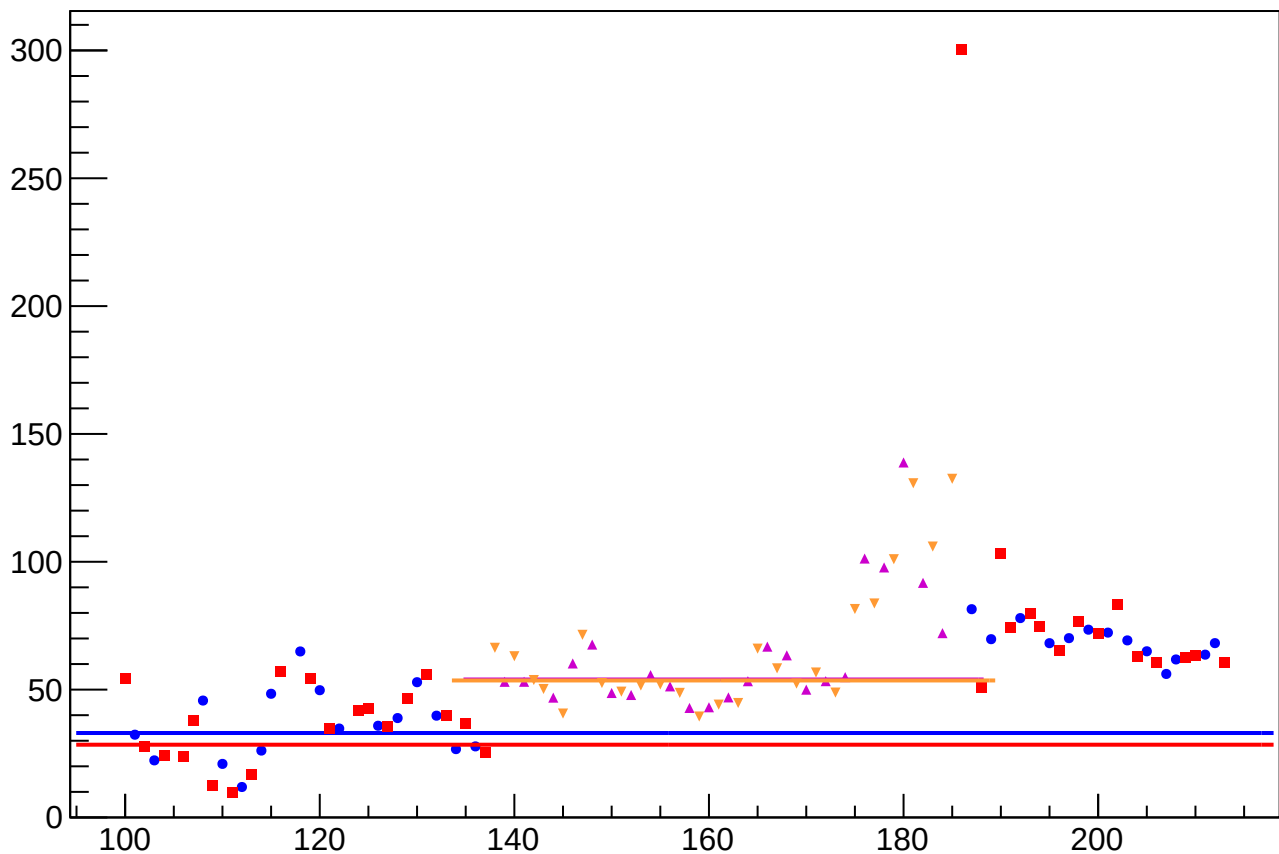
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.006 ± 0.008 χ^2/NDF : 62.0/53

All: -0.007 ± 0.005 χ^2/NDF : 154.5/110

- sign -0.008 ± 0.007 χ^2/NDF : 92.5/56

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 33.030 $\pm$ 0.007 χ^2 /NDF: 9087414.8/28

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642509.0/24

Right Out: 28.453 $\pm$ 0.006 χ^2 /NDF: 13032506.0/33

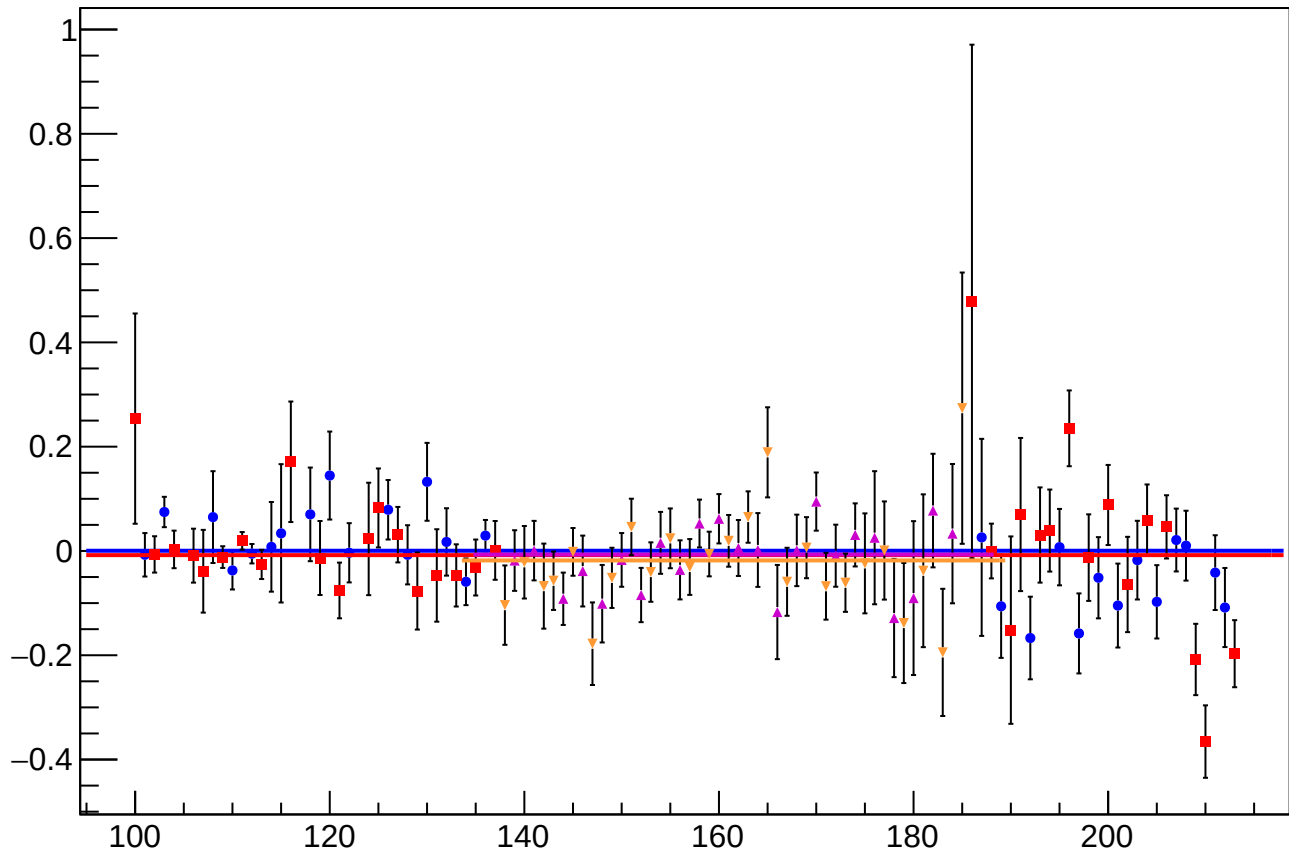
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039530.1/22

+ sign 40.308 $\pm$ 0.005 χ^2 /NDF: 15059611.3/53

All: 37.879 $\pm$ 0.004 χ^2 /NDF: 35837947.3/110

- sign 35.784 $\pm$ 0.005 χ^2 /NDF: 20399524.8/56

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.009 χ^2/NDF : 36.3/28

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 73.8/33

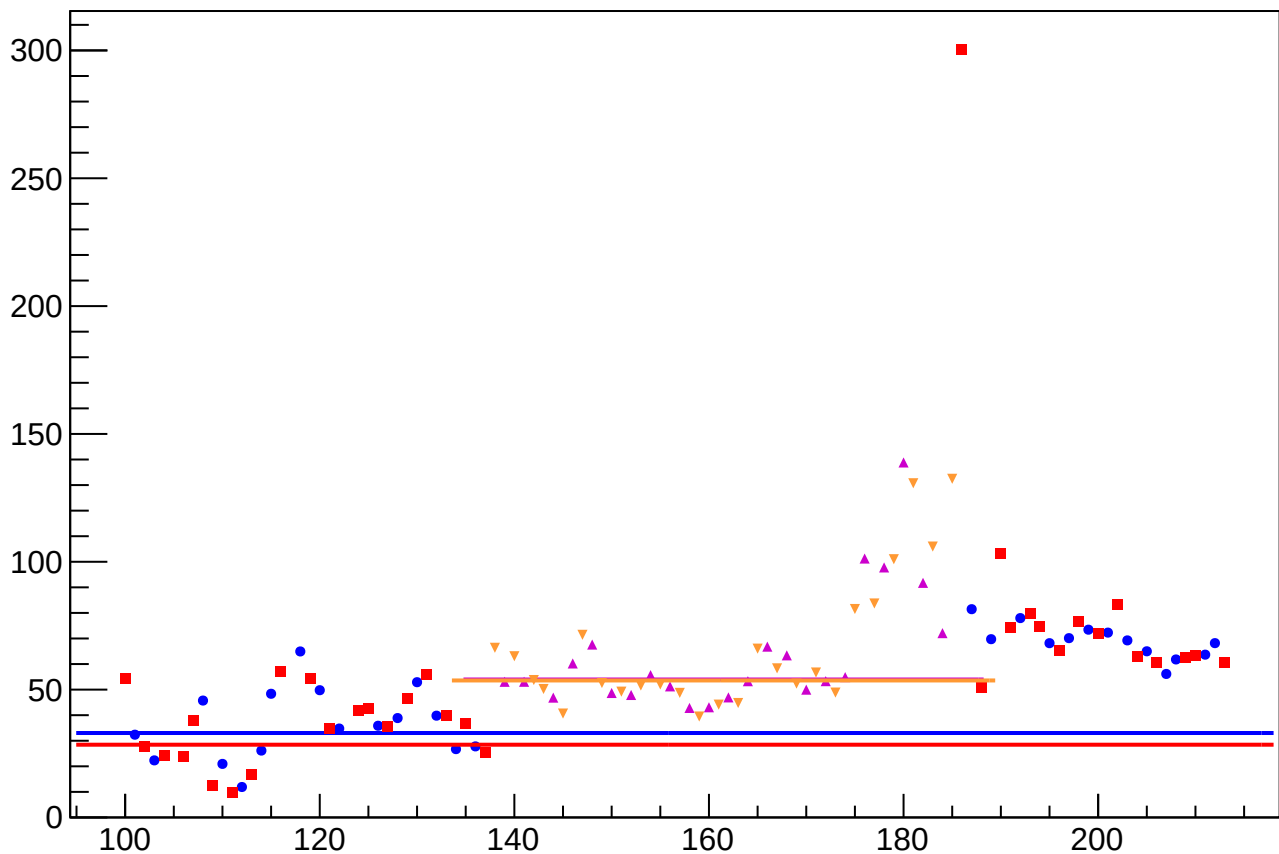
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.006 ± 0.008 χ^2/NDF : 62.0/53

All: -0.007 ± 0.005 χ^2/NDF : 154.5/110

- sign -0.008 ± 0.007 χ^2/NDF : 92.5/56

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.030 $\pm$ 0.007 χ^2 /NDF: 9087414.8/28

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642509.0/24

Right Out: 28.453 $\pm$ 0.006 χ^2 /NDF: 13032506.0/33

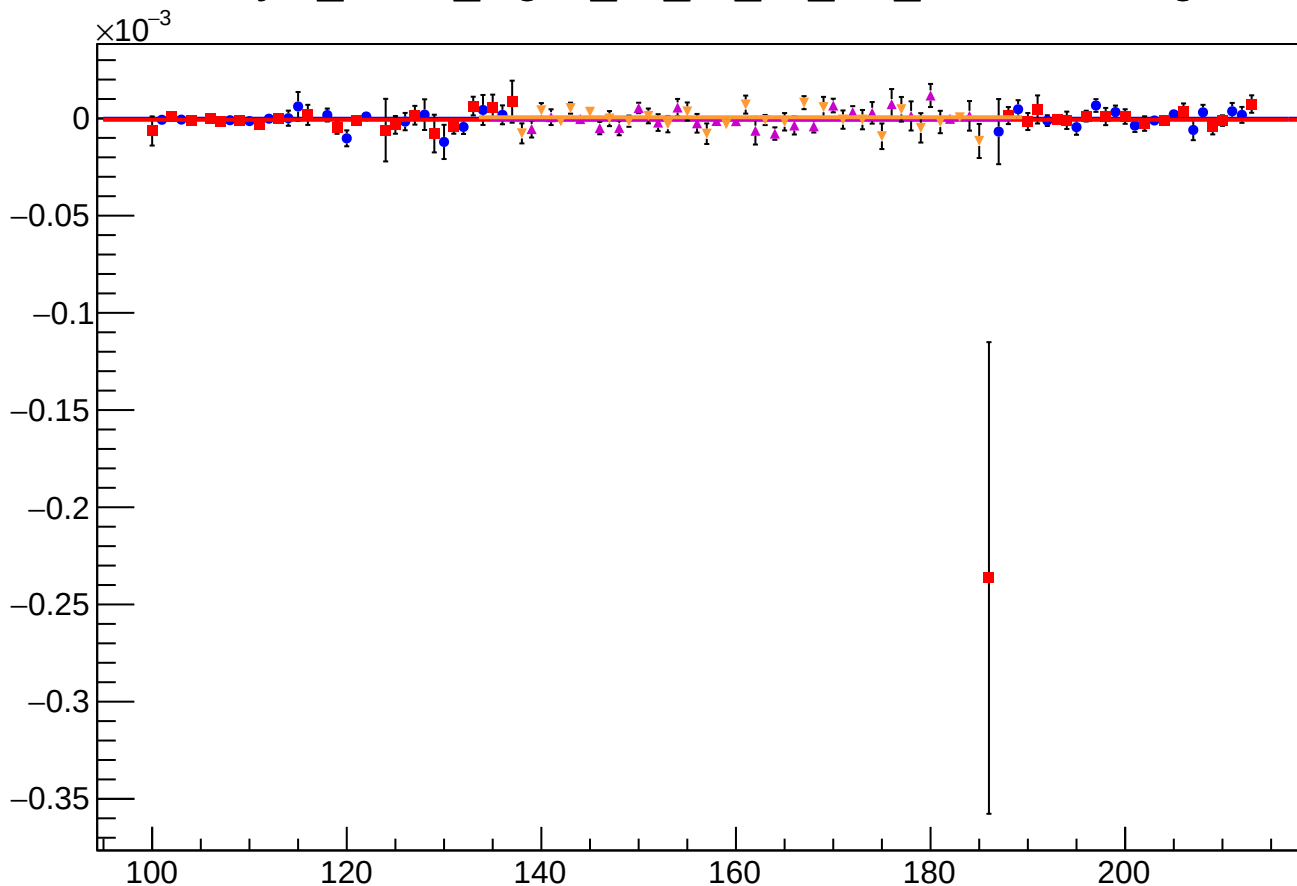
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039530.1/22

+ sign 40.308 $\pm$ 0.005 χ^2 /NDF: 15059611.3/53

All: 37.879 $\pm$ 0.004 χ^2 /NDF: 35837947.3/110

- sign 35.784 $\pm$ 0.005 χ^2 /NDF: 20399524.8/56

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.9/33

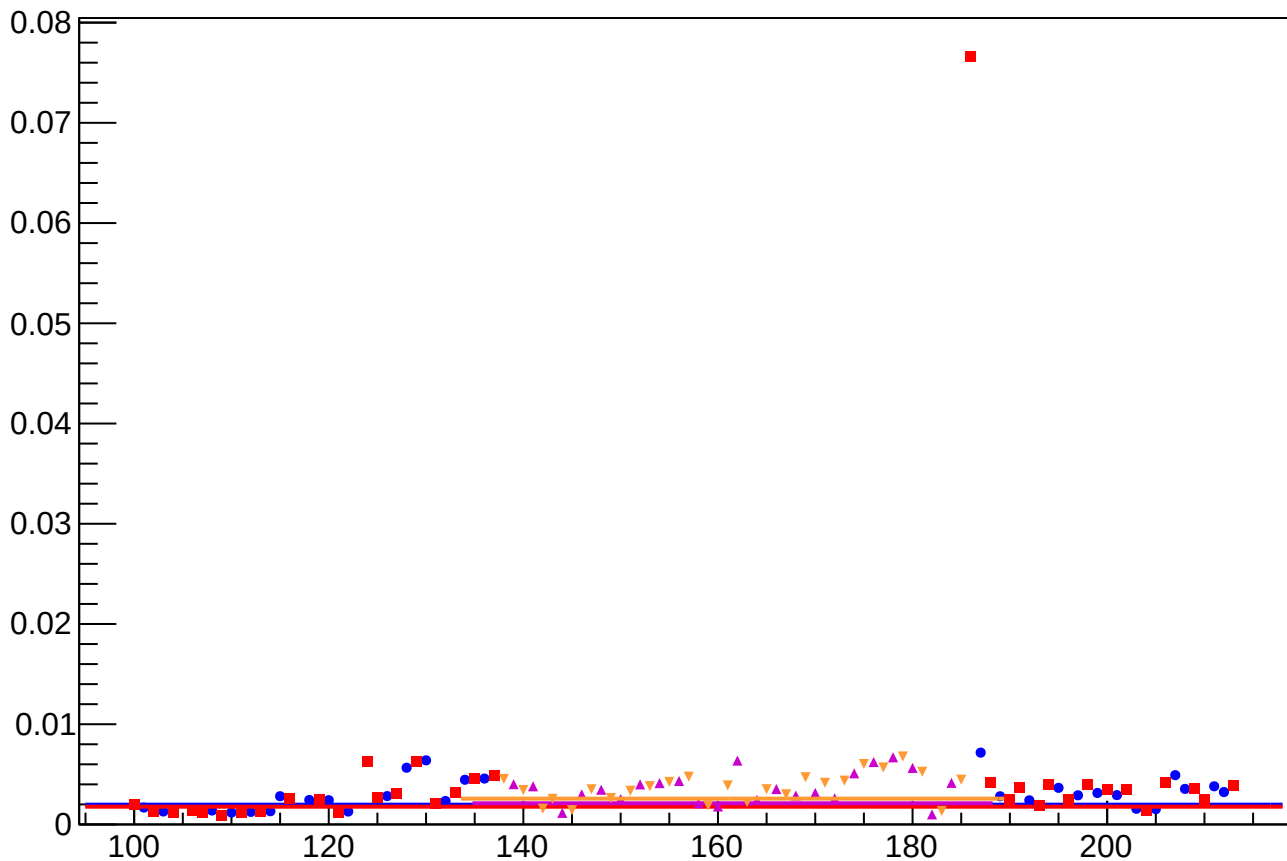
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 57.5/53

All: -0.000 ± 0.000 χ^2/NDF : 113.1/110

- sign -0.000 ± 0.000 χ^2/NDF : 53.9/56

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6323533.5/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7112963.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9025204.4/33

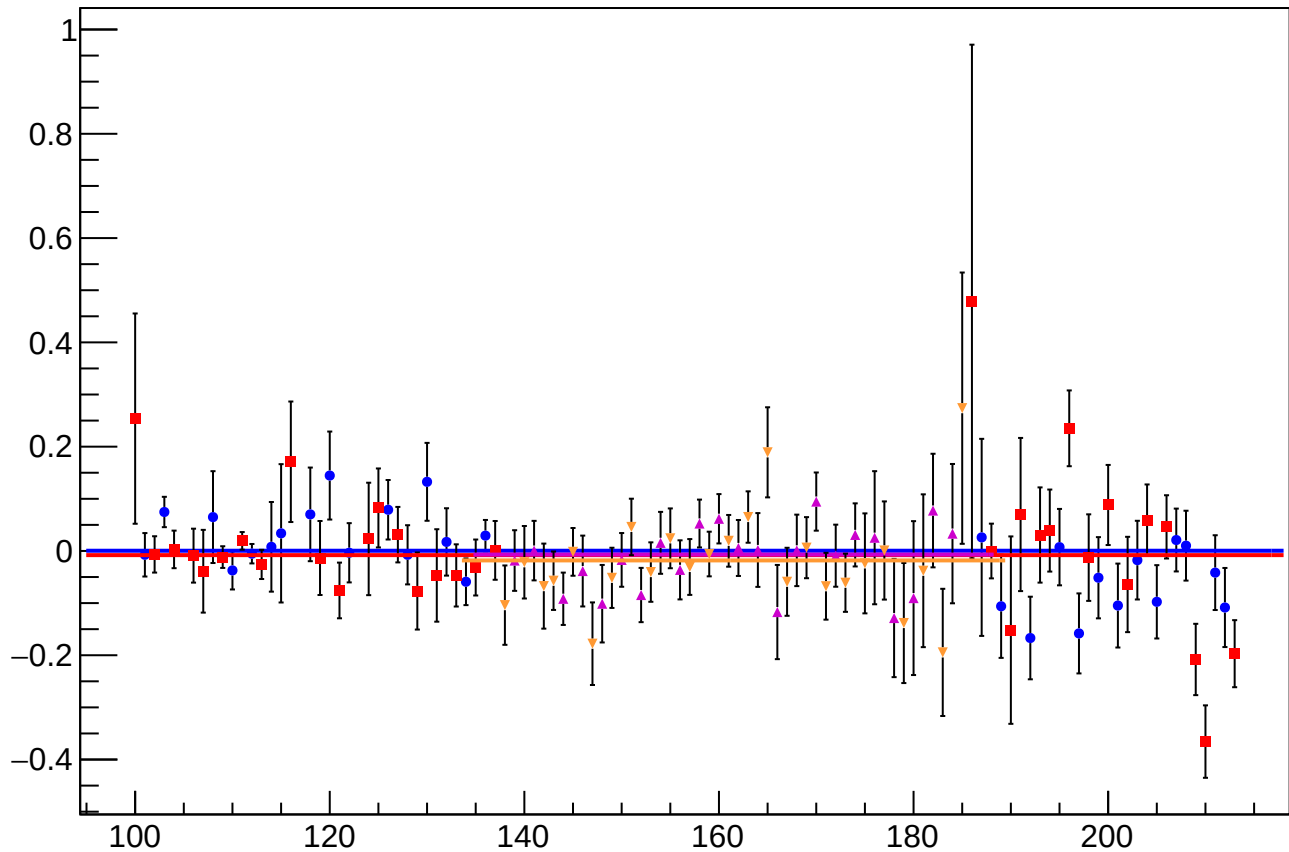
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9487138.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14425315.0/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 33936301.4/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 18917331.3/56

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.009 χ^2/NDF : 36.3/28

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 73.8/33

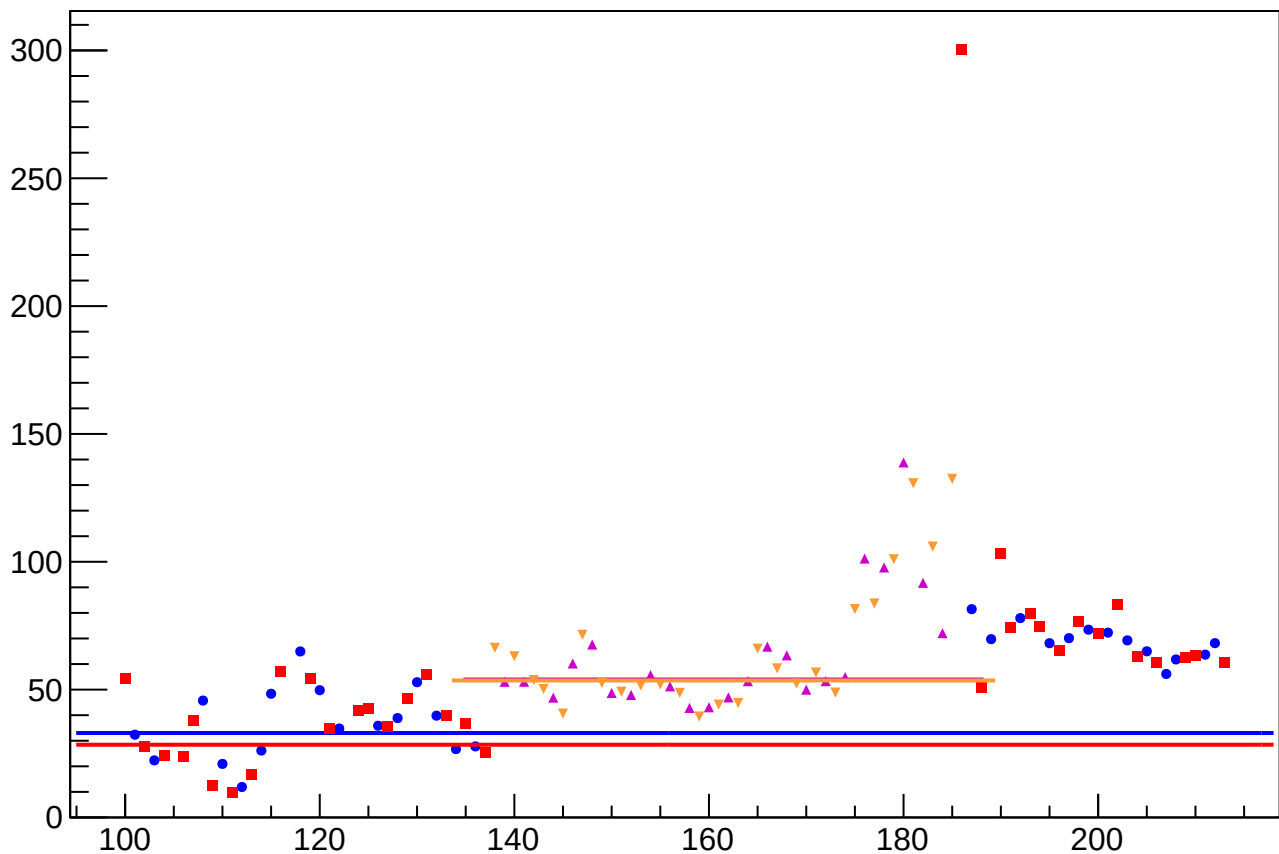
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.006 ± 0.008 χ^2/NDF : 61.9/53

All: -0.007 ± 0.005 χ^2/NDF : 154.5/110

- sign -0.008 ± 0.007 χ^2/NDF : 92.5/56

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.030 $\pm$ 0.007 χ^2 /NDF: 9087519.6/28

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 28.453 $\pm$ 0.006 χ^2 /NDF: 13032711.6/33

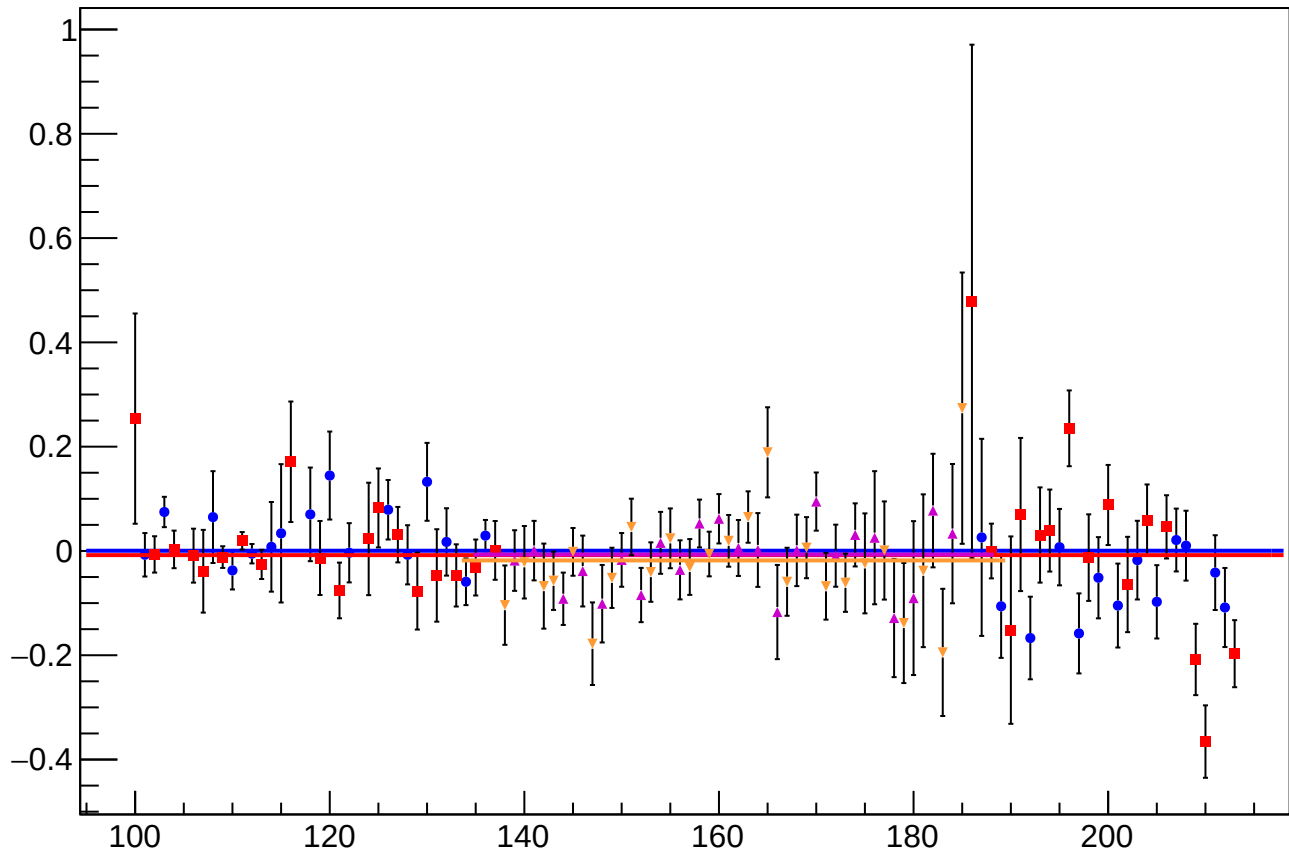
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 40.307 $\pm$ 0.005 χ^2 /NDF: 15060100.0/53

All: 37.878 $\pm$ 0.004 χ^2 /NDF: 35839156.6/110

- sign 35.784 $\pm$ 0.005 χ^2 /NDF: 20400215.3/56

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.009 χ^2/NDF : 36.3/28

Left Out: -0.018 ± 0.013 χ^2/NDF : 24.3/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 73.8/33

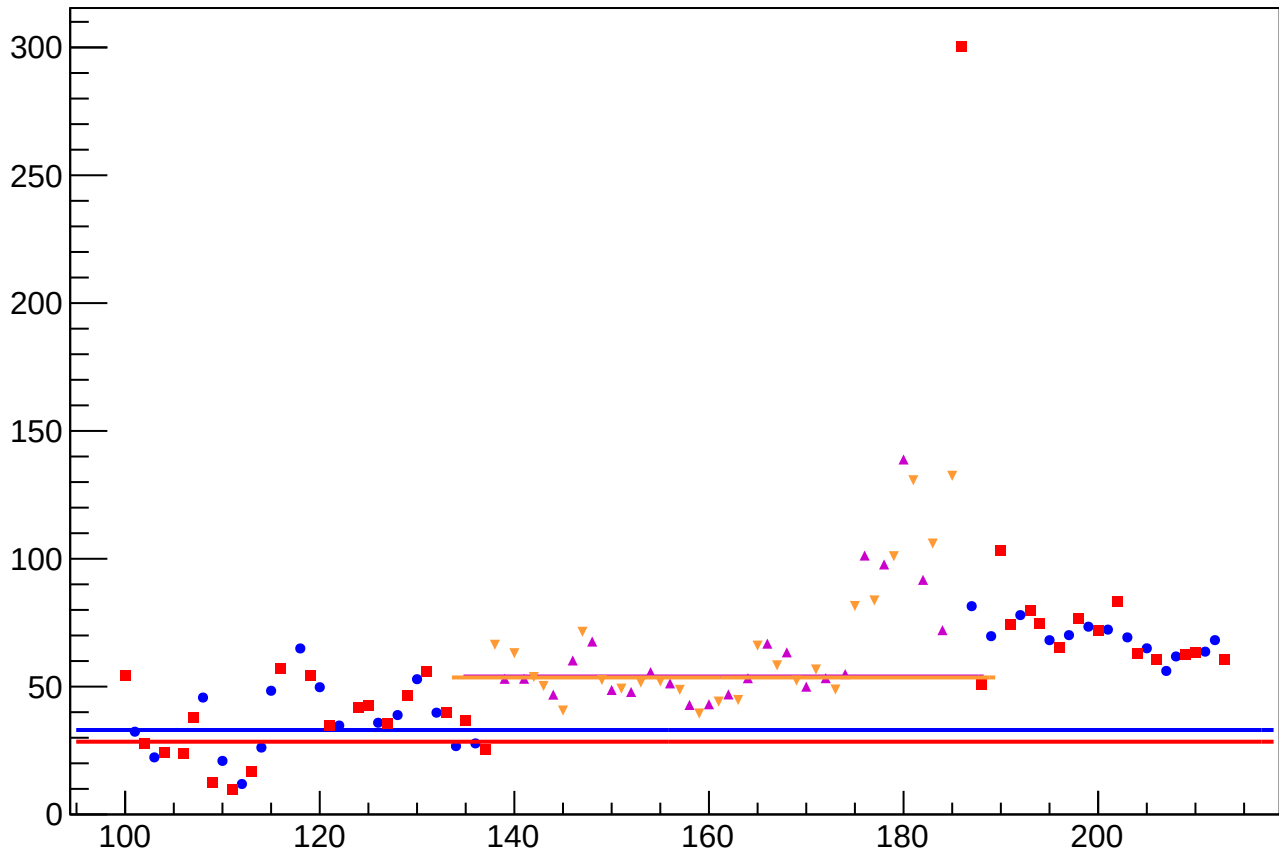
Left In: -0.007 ± 0.013 χ^2/NDF : 18.7/22

+ sign -0.006 ± 0.008 χ^2/NDF : 61.9/53

All: -0.007 ± 0.005 χ^2/NDF : 154.5/110

- sign -0.008 ± 0.007 χ^2/NDF : 92.5/56

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.030 $\pm$ 0.007 χ^2 /NDF: 9087519.6/28

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 28.453 $\pm$ 0.006 χ^2 /NDF: 13032711.6/33

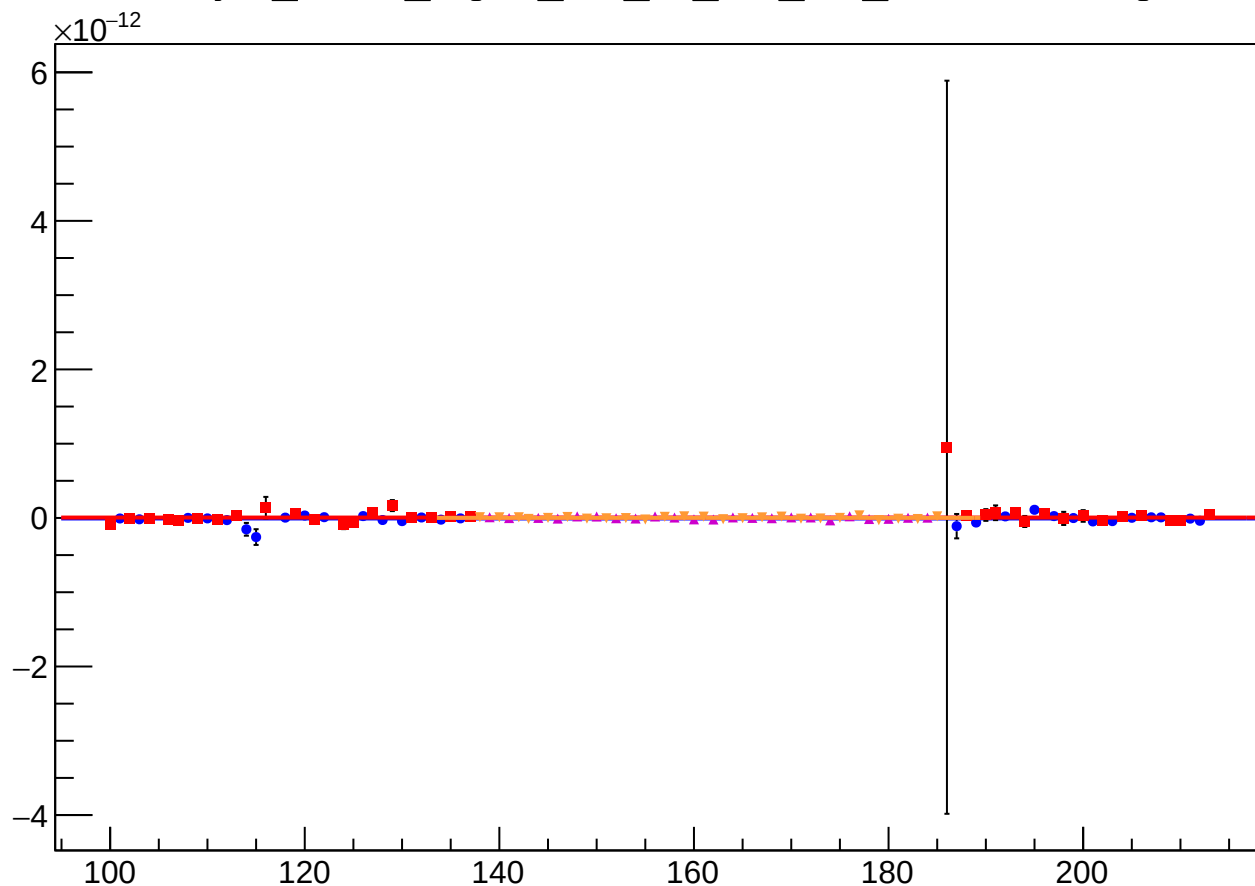
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 40.307 $\pm$ 0.005 χ^2 /NDF: 15060100.0/53

All: 37.878 $\pm$ 0.004 χ^2 /NDF: 35839156.6/110

- sign 35.784 $\pm$ 0.005 χ^2 /NDF: 20400215.3/56

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 40.2/33

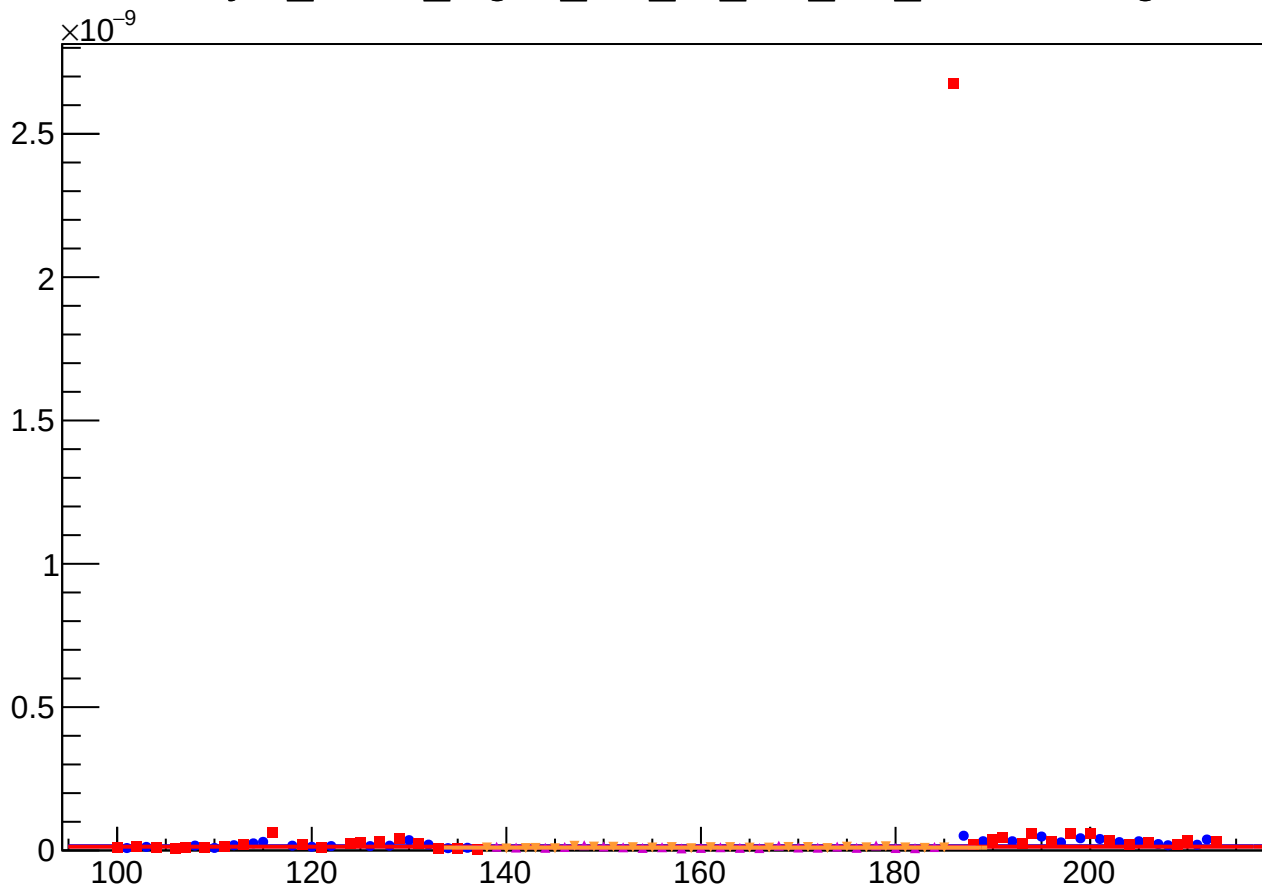
Left In: 0.000 ± 0.000 χ^2/NDF : 18.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 52.4/53

All: 0.000 ± 0.000 χ^2/NDF : 111.9/110

- sign 0.000 ± 0.000 χ^2/NDF : 59.1/56

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5514085.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8952518.0/33

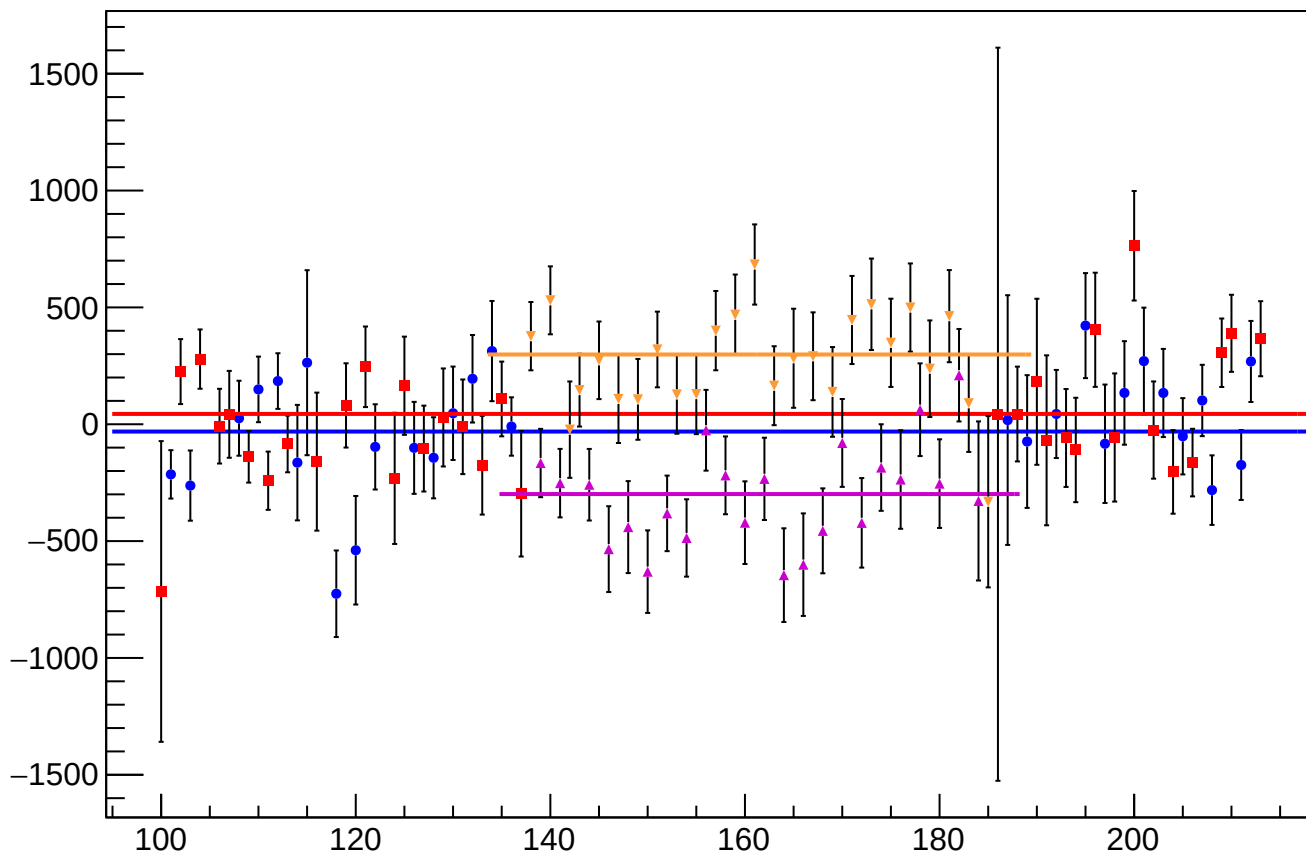
Left In: 0.000+/-0.000 χ^2/NDF : 1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 8196767.8/53

All: 0.000+/-0.000 χ^2/NDF : 19014276.3/110

- sign 0.000+/-0.000 χ^2/NDF : 10817235.0/56

reg_asym_sam6_mean vs Slug



Right In: -31.224 ± 32.492 $\chi^2/\text{NDF}: 50.0/28$

Left Out: 298.517 ± 36.051 $\chi^2/\text{NDF}: 26.0/24$

Right Out: 44.222 ± 31.348 $\chi^2/\text{NDF}: 50.9/33$

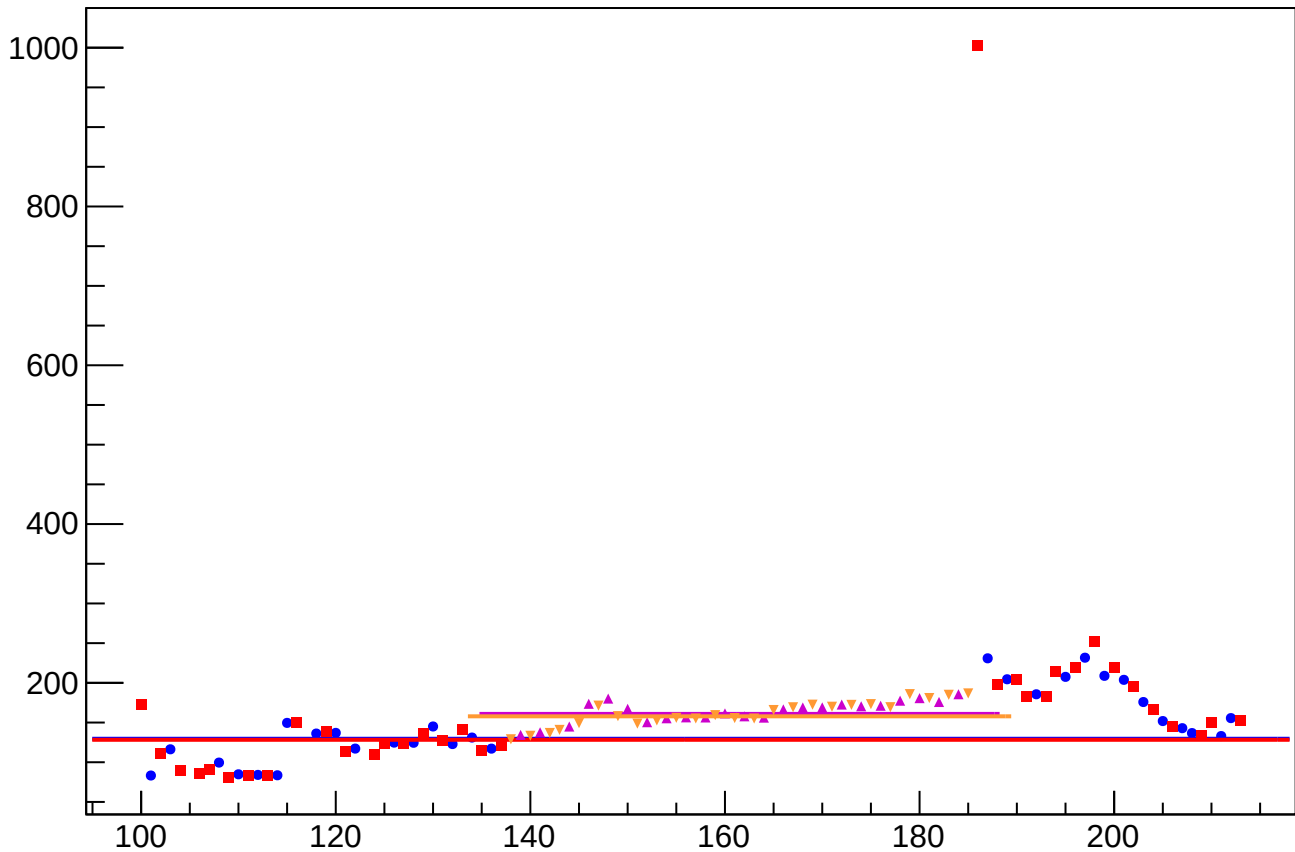
Left In: -298.675 ± 37.727 $\chi^2/\text{NDF}: 29.4/22$

+ sign 116.571 ± 24.136 $\chi^2/\text{NDF}: 122.1/53$

All: 10.262 ± 17.058 $\chi^2/\text{NDF}: 290.1/110$

- sign -95.830 ± 24.111 $\chi^2/\text{NDF}: 129.2/56$

reg_asym_sam6_rms vs Slug



Right In: 129.566+/-0.023 χ^2/NDF : 2750137.2/28

Left Out: 157.836+/-0.025 χ^2/NDF : 377205.2/24

Right Out: 128.277+/-0.022 χ^2/NDF : 4246561.4/33

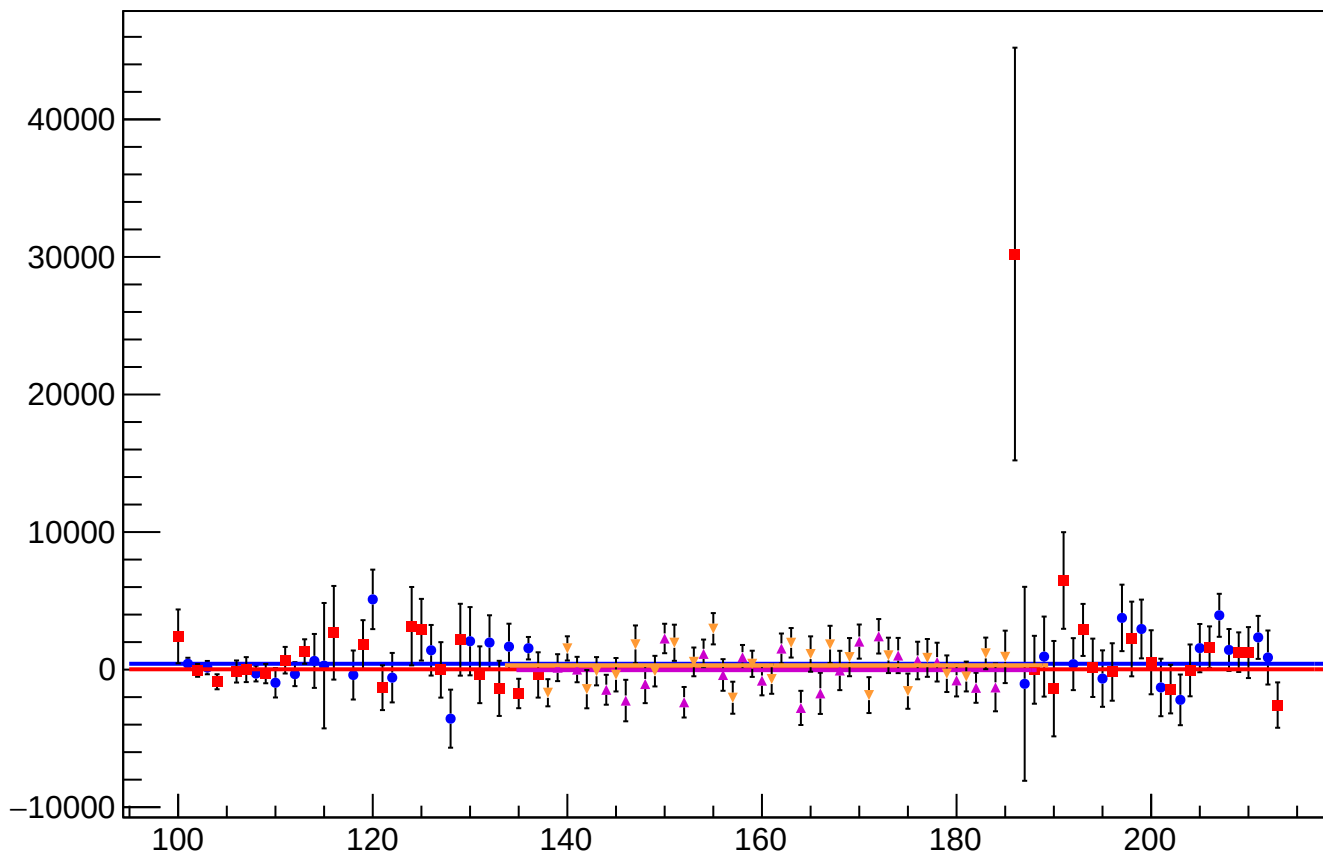
Left In: 160.874+/-0.027 χ^2/NDF : 268330.7/22

+ sign 142.237+/-0.017 χ^2/NDF : 3805990.7/53

All: 141.914+/-0.012 χ^2/NDF : 9204869.6/110

- sign 141.591+/-0.017 χ^2/NDF : 5398161.7/56

asym_sam6_reg_correction_mean vs Slug



Right In: 424.528 $\pm$ 212.240 χ^2 /NDF: 30.8/28

Left Out: 319.947 $\pm$ 235.084 χ^2 /NDF:32.5/24

Right Out: 23.780 $\pm$ 212.612 χ^2 /NDF: 32.3/33

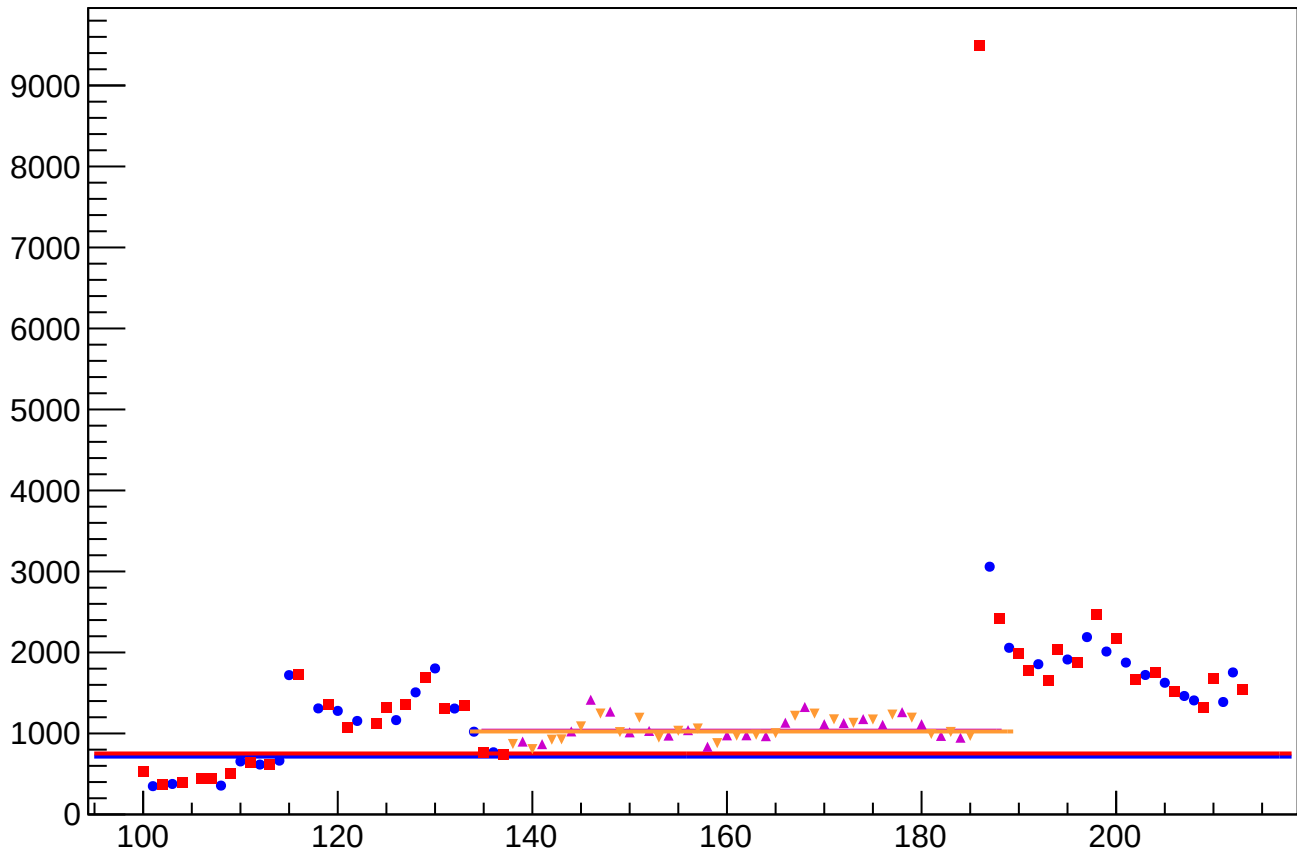
Left In: -39.197 $\pm$ 244.156 χ^2 /NDF:34.8/22

+ sign 377.564 $\pm$ 157.535 χ^2 /NDF: 63.4/53

All: 190.453 $\pm$ 112.373 χ^2 /NDF: 133.4/110

- sign -3.380 $\pm$ 160.340 χ^2 /NDF: 67.1/56

asym_sam6_reg_correction_rms vs Slug



Right In: 714.299+/-0.150 χ^2/NDF : 11935179.4/28

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.4/24

Right Out: 752.818+/-0.150 χ^2/NDF : 12629165.4/33

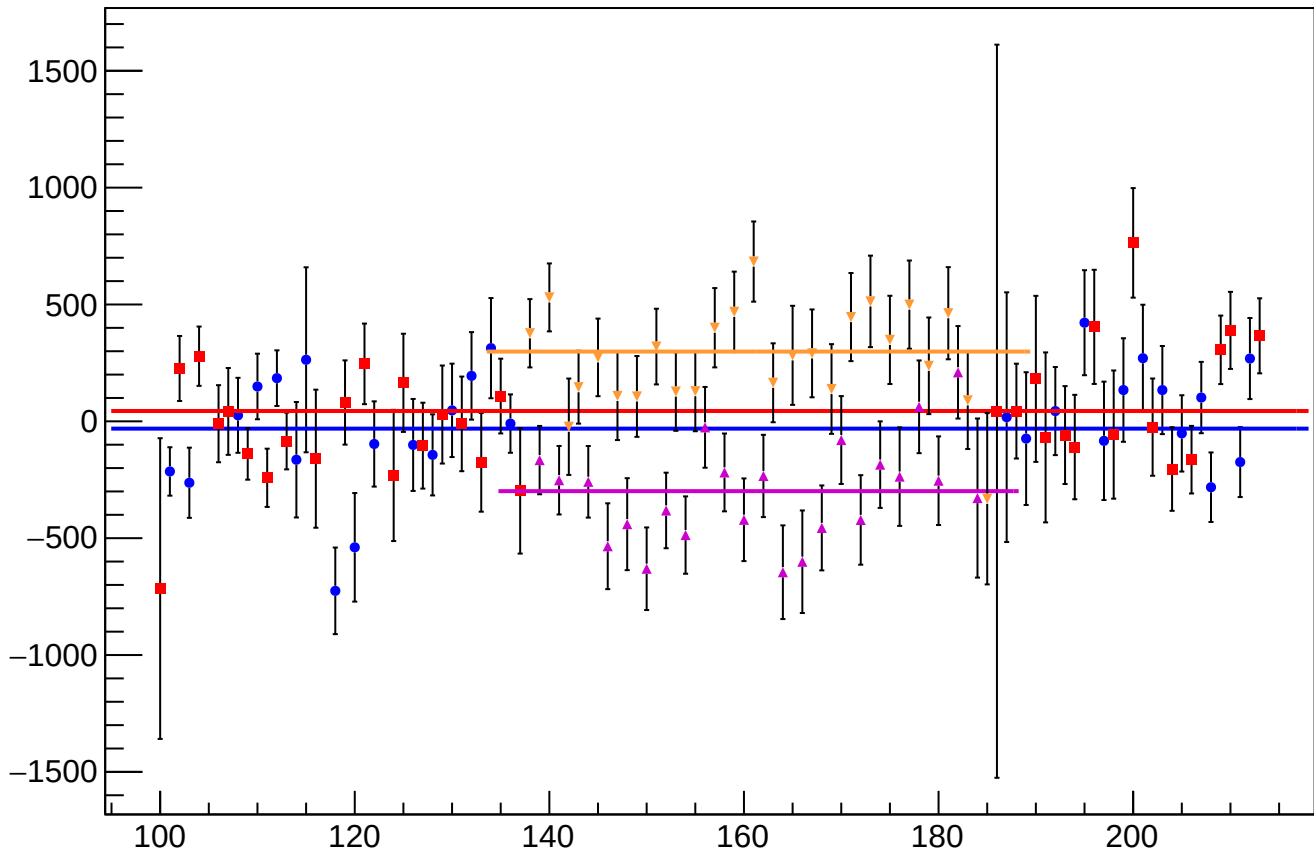
Left In: 1034.428+/-0.173 χ^2/NDF : 628477.2/22

+ sign 853.596+/-0.111 χ^2/NDF : 14451266.7/53

All: 863.749+/-0.079 χ^2/NDF : 29239024.3/11

- sign 874.268+/-0.113 χ^2/NDF : 14770843.4/56

cor_asym_sam6_mean vs Slug



Right In: -31.239 ± 32.492 χ^2/NDF : 50.0/28

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 44.296 ± 31.385 χ^2/NDF : 50.9/33

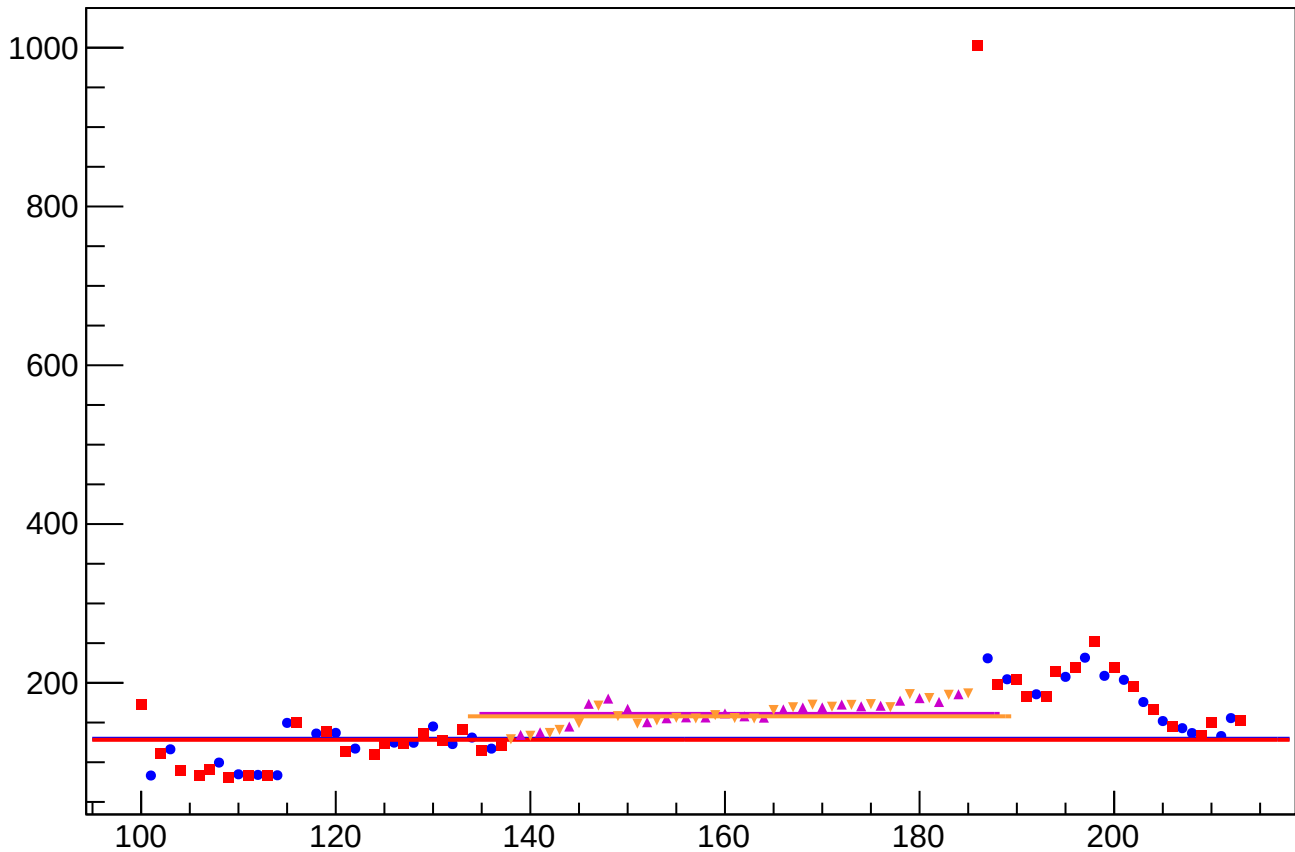
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 116.564 ± 24.136 χ^2/NDF : 122.2/53

All: 10.255 ± 17.064 χ^2/NDF : 290.2/110

- sign -95.984 ± 24.128 χ^2/NDF : 129.2/56

cor_asym_sam6_rms vs Slug



Right In: 129.566 $\pm$ 0.023 χ^2 /NDF: 2750135.2/28

Left Out: 157.836 $\pm$ 0.025 χ^2 /NDF:377205.2/24

Right Out: 128.262 $\pm$ 0.022 χ^2 /NDF: 4258379.0/33

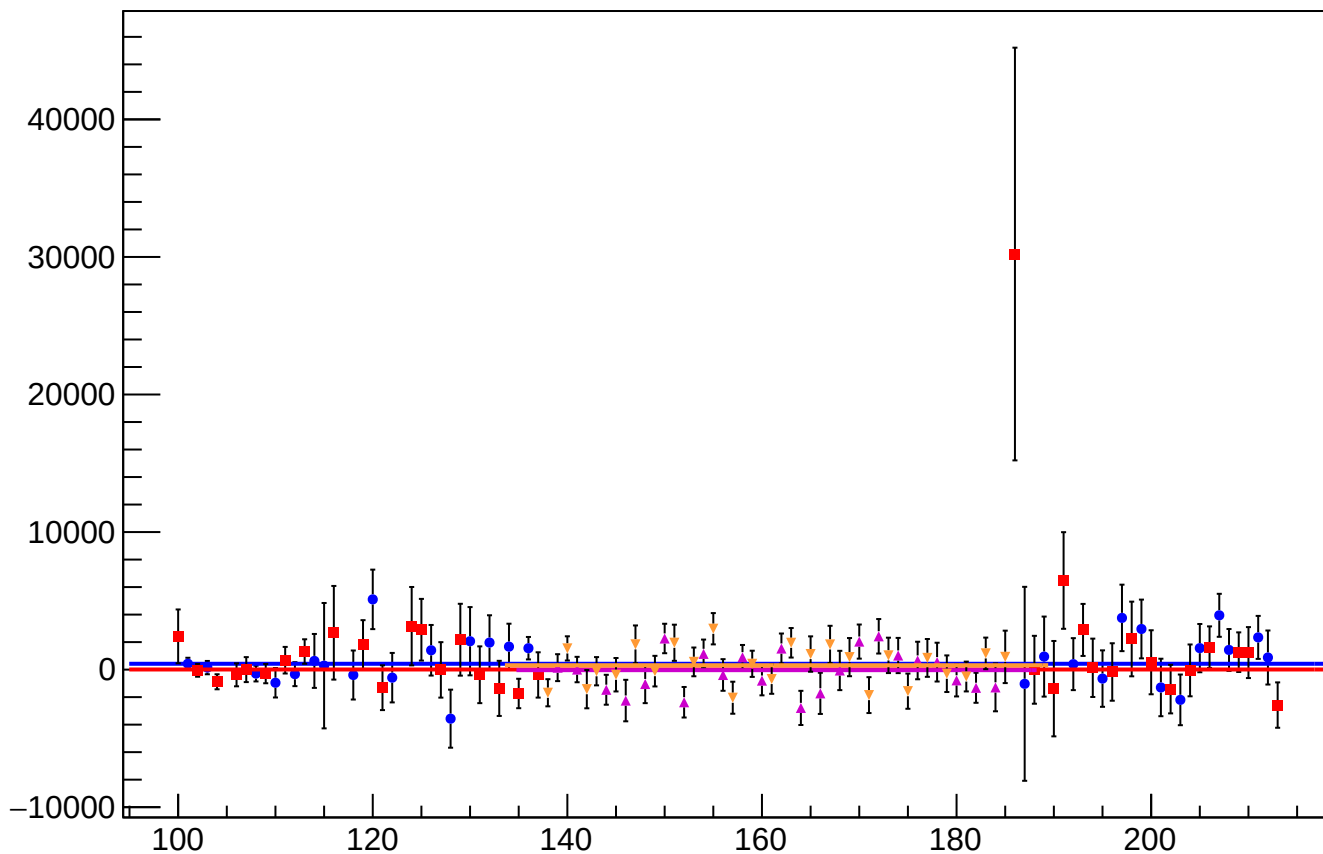
Left In: 160.874 $\pm$ 0.027 χ^2 /NDF:268330.7/22

+ sign 142.237 $\pm$ 0.017 χ^2 /NDF: 3805986.5/53

All: 141.919 $\pm$ 0.012 χ^2 /NDF: 9216614.7/110

- sign 141.601 $\pm$ 0.017 χ^2 /NDF: 5409932.9/56

asym_sam6_cor_correction_mean vs Slug



Right In: 424.639+/-212.235 χ^2/NDF : 30.8/28

Left Out: 319.953+/-235.084 χ^2/NDF : 32.5/24

Right Out: 9.374+/-213.094 χ^2/NDF : 32.5/33

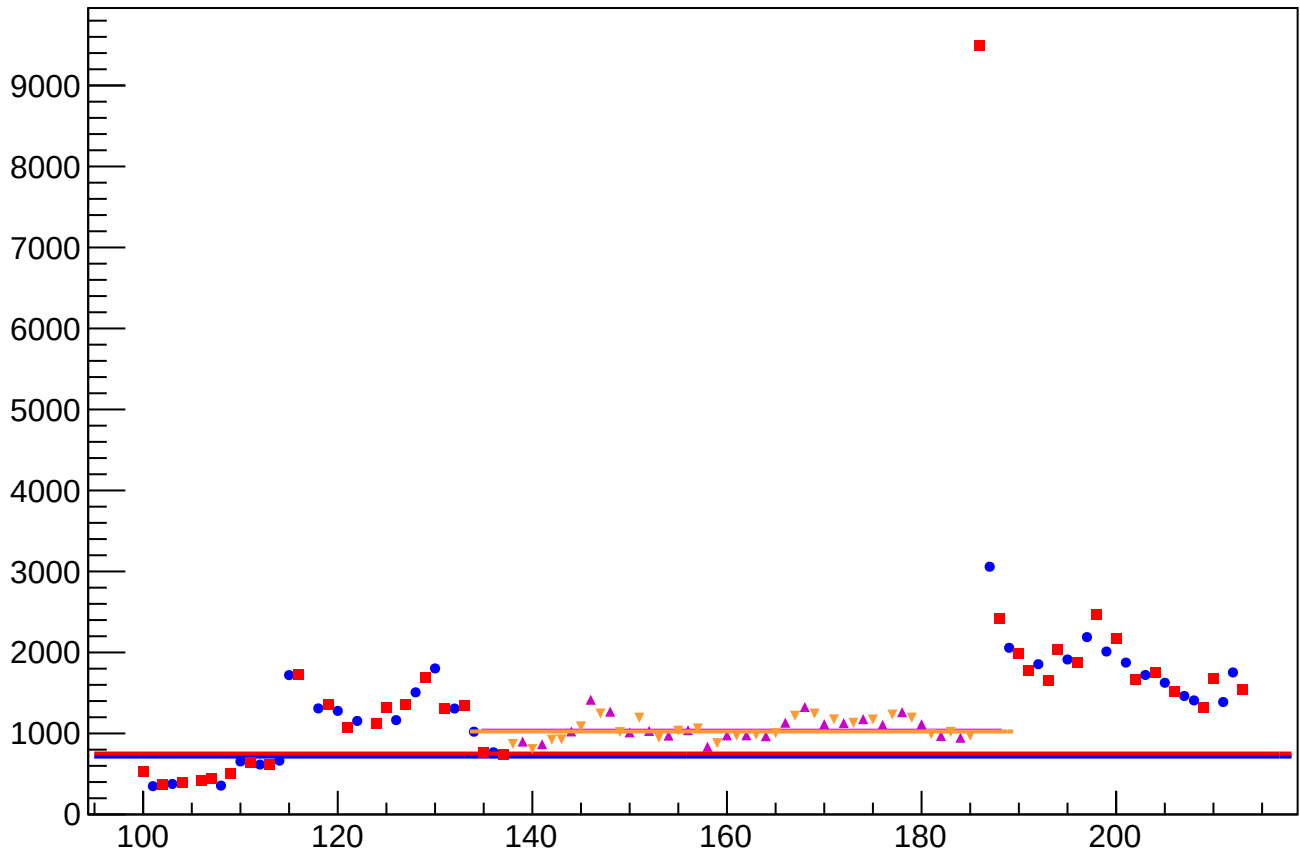
Left In: -39.198+/-244.156 χ^2/NDF : 34.8/22

+ sign 377.630+/-157.533 χ^2/NDF : 63.4/53

All: 186.688+/-112.443 χ^2/NDF : 133.7/110

- sign -11.627+/-160.546 χ^2/NDF : 67.3/56

asym_sam6_cor_correction_rms vs Slug



Right In: 714.271+/-0.150 χ^2/NDF : 11935743.4/28

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF : 12663865.8/33

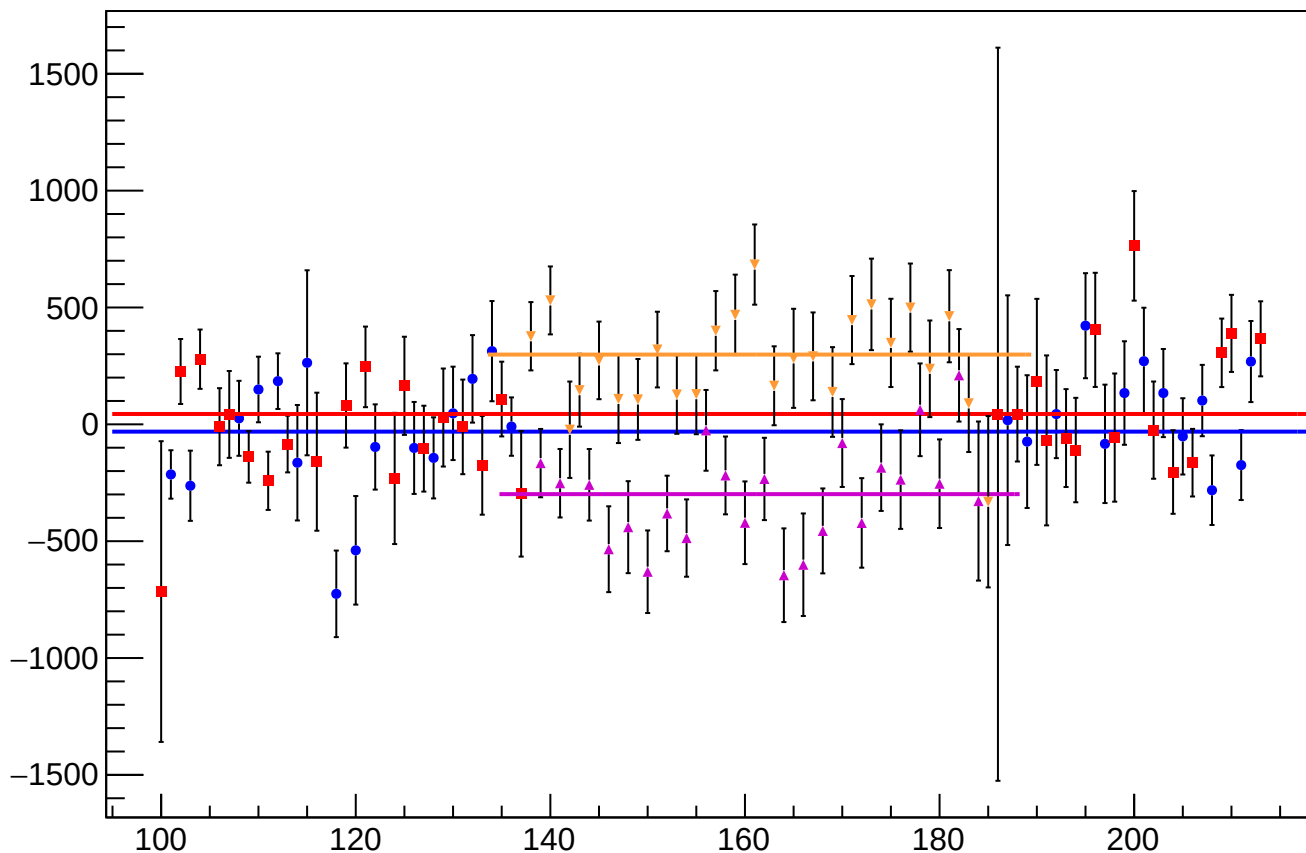
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 853.577+/-0.111 χ^2/NDF : 14452219.3/53

All: 863.752+/-0.080 χ^2/NDF : 29276751.5/11

- sign 874.319+/-0.114 χ^2/NDF : 14807524.1/56

eigen_cor_asym_sam6_mean vs Slug



Right In: -31.239 ± 32.492 χ^2/NDF : 50.0/28

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 44.296 ± 31.385 χ^2/NDF : 50.9/33

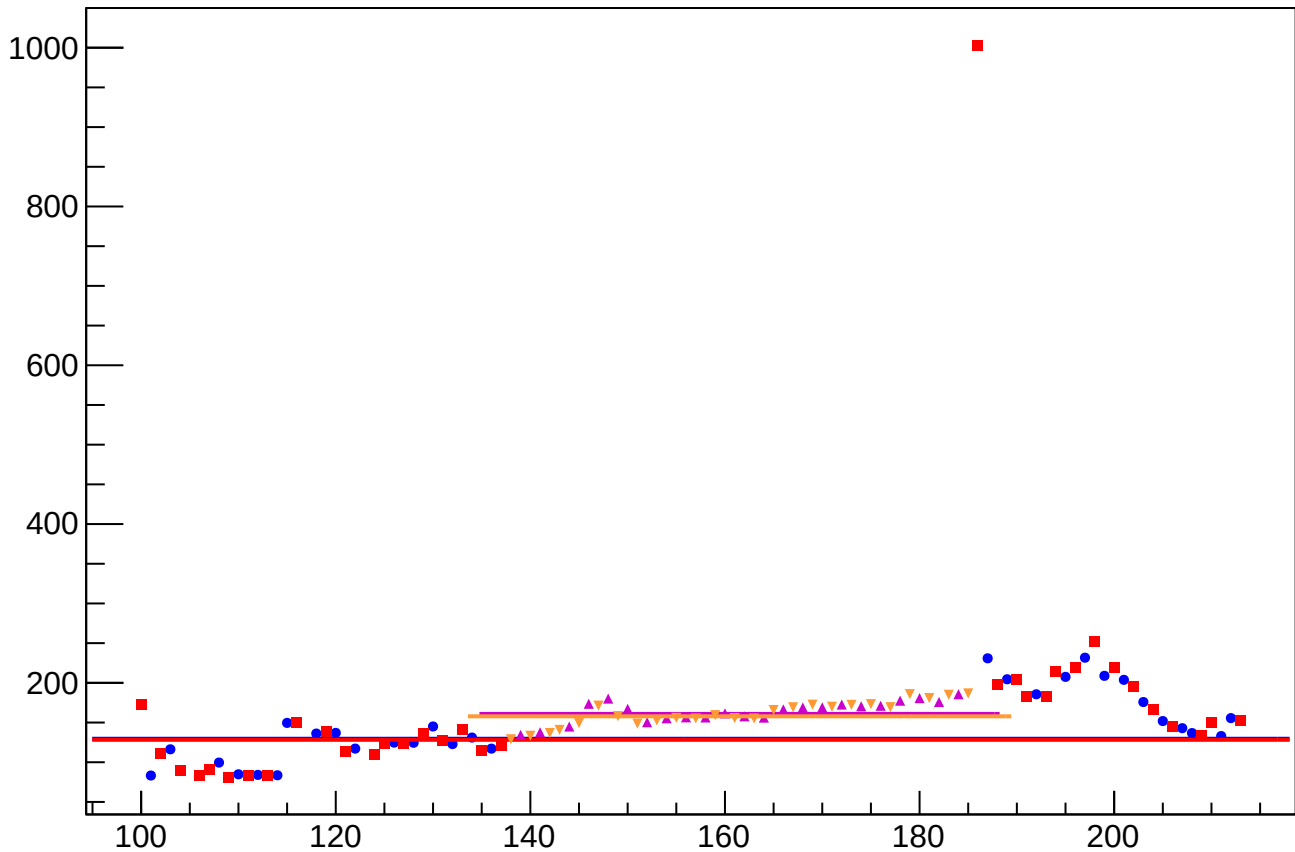
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 116.564 ± 24.136 χ^2/NDF : 122.2/53

All: 10.255 ± 17.064 χ^2/NDF : 290.2/110

- sign -95.984 ± 24.128 χ^2/NDF : 129.2/56

eigen_cor_asym_sam6_rms vs Slug



Right In: 129.566 $\pm$ 0.023 χ^2 /NDF: 2750135.2/28

Left Out: 157.836 $\pm$ 0.025 χ^2 /NDF:377205.2/24

Right Out: 128.262 $\pm$ 0.022 χ^2 /NDF: 4258379.0/33

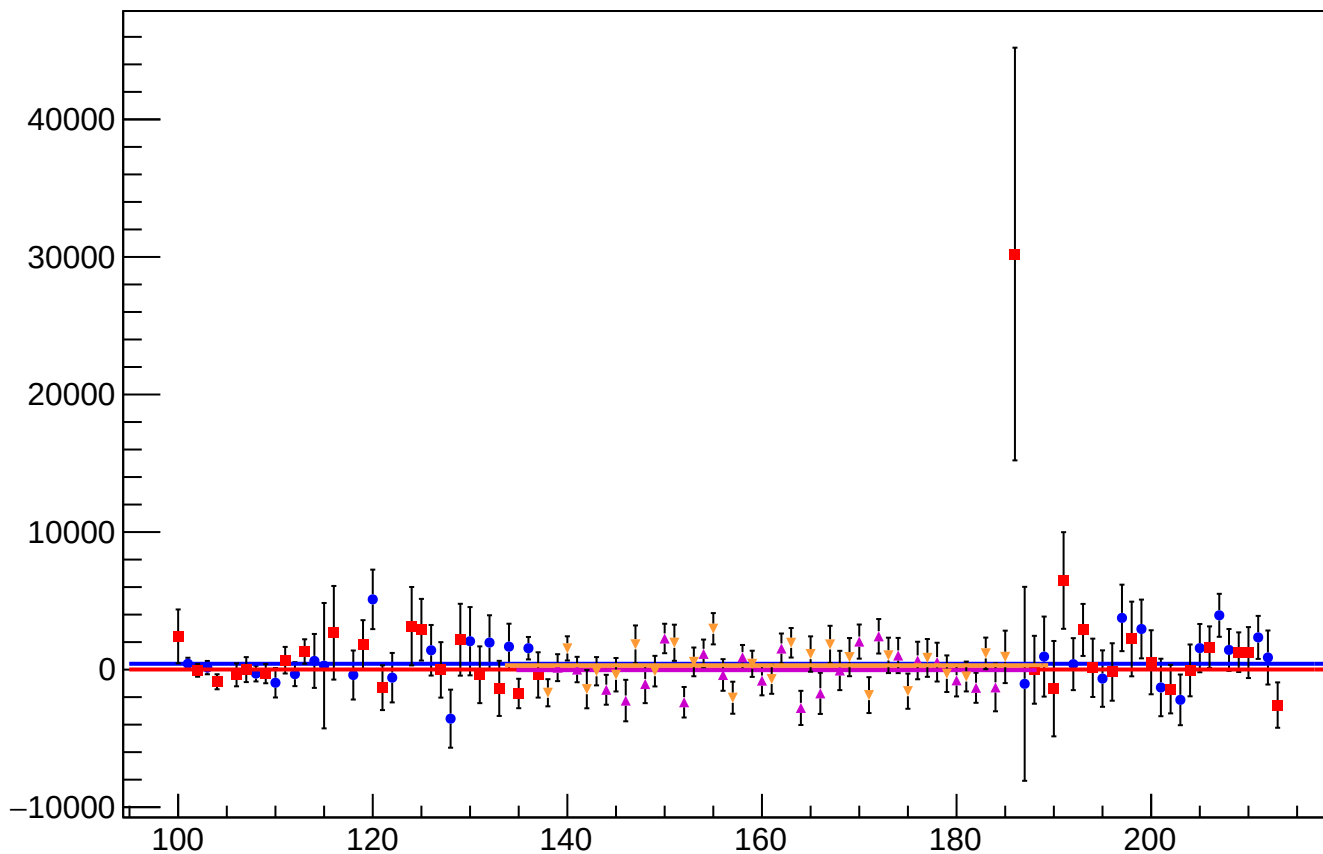
Left In: 160.874 $\pm$ 0.027 χ^2 /NDF:268330.7/22

+ sign 142.237 $\pm$ 0.017 χ^2 /NDF: 3805986.5/53

All: 141.919 $\pm$ 0.012 χ^2 /NDF: 9216614.7/110

- sign 141.601 $\pm$ 0.017 χ^2 /NDF: 5409932.9/56

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 424.639+/-212.235 χ^2/NDF : 30.8/28

Left Out: 319.953+/-235.084 χ^2/NDF : 32.5/24

Right Out: 9.374+/-213.094 χ^2/NDF : 32.5/33

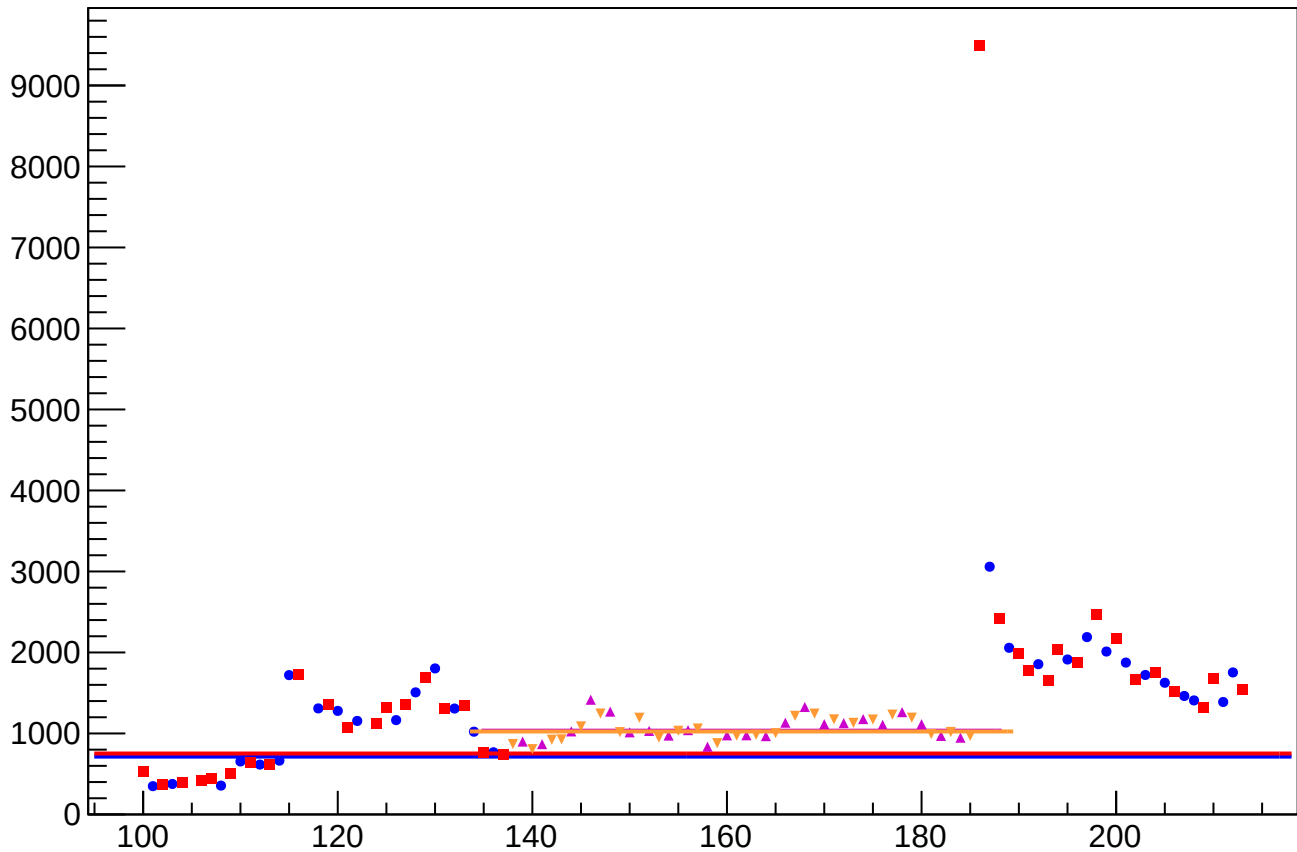
Left In: -39.198+/-244.156 χ^2/NDF : 34.8/22

+ sign 377.630+/-157.533 χ^2/NDF : 63.4/53

All: 186.688+/-112.443 χ^2/NDF : 133.7/110

- sign -11.627+/-160.546 χ^2/NDF : 67.3/56

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 714.271+/-0.150 χ^2/NDF : 11935743.4/28

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF : 12663865.8/33

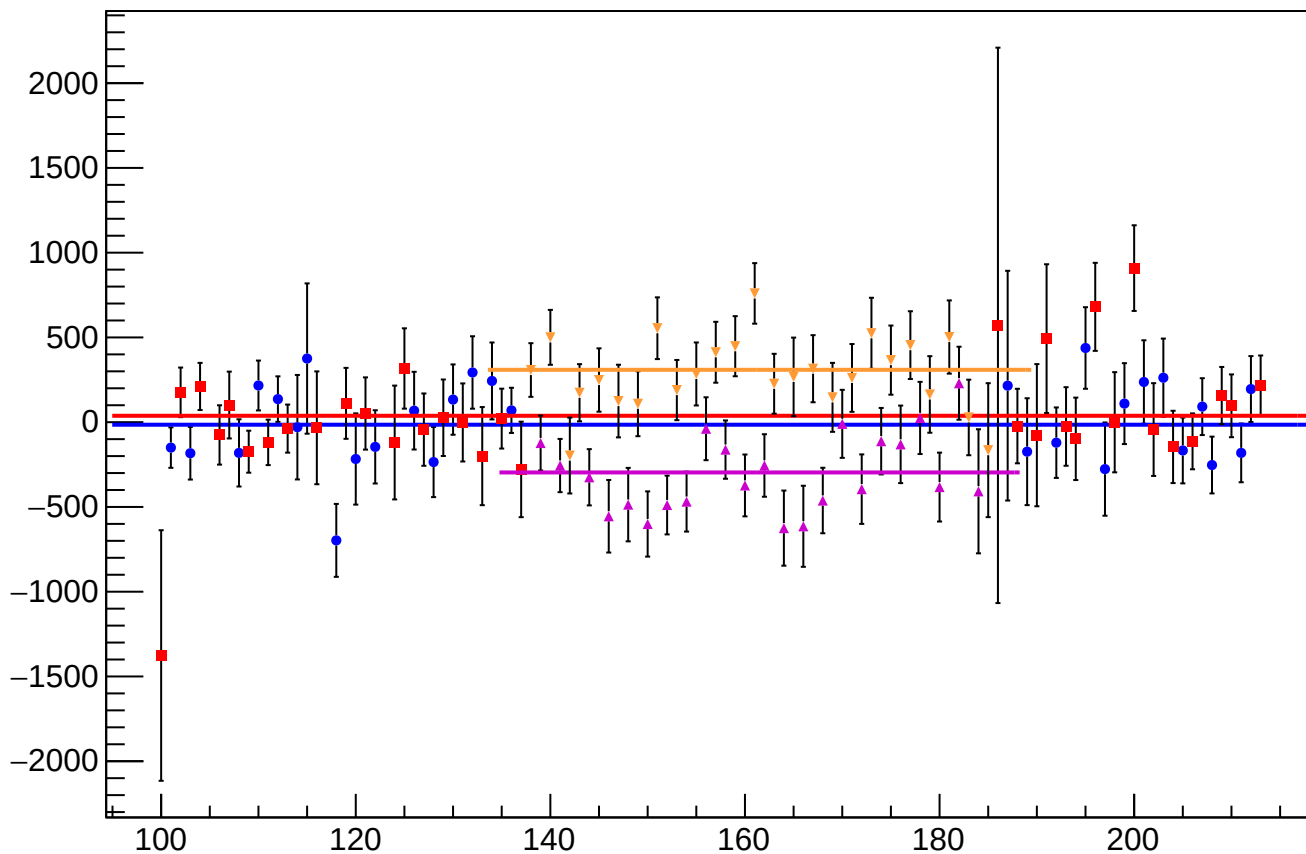
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 853.577+/-0.111 χ^2/NDF : 14452219.3/53

All: 863.752+/-0.080 χ^2/NDF : 29276751.5/11

- sign 874.319+/-0.114 χ^2/NDF : 14807524.1/56

dit_asym_sam6_mean vs Slug



Right In: -14.936 ± 36.496 χ^2/NDF : 37.2/28

Left Out: 309.031 ± 38.901 χ^2/NDF : 25.6/24

Right Out: 37.836 ± 35.256 χ^2/NDF : 38.1/33

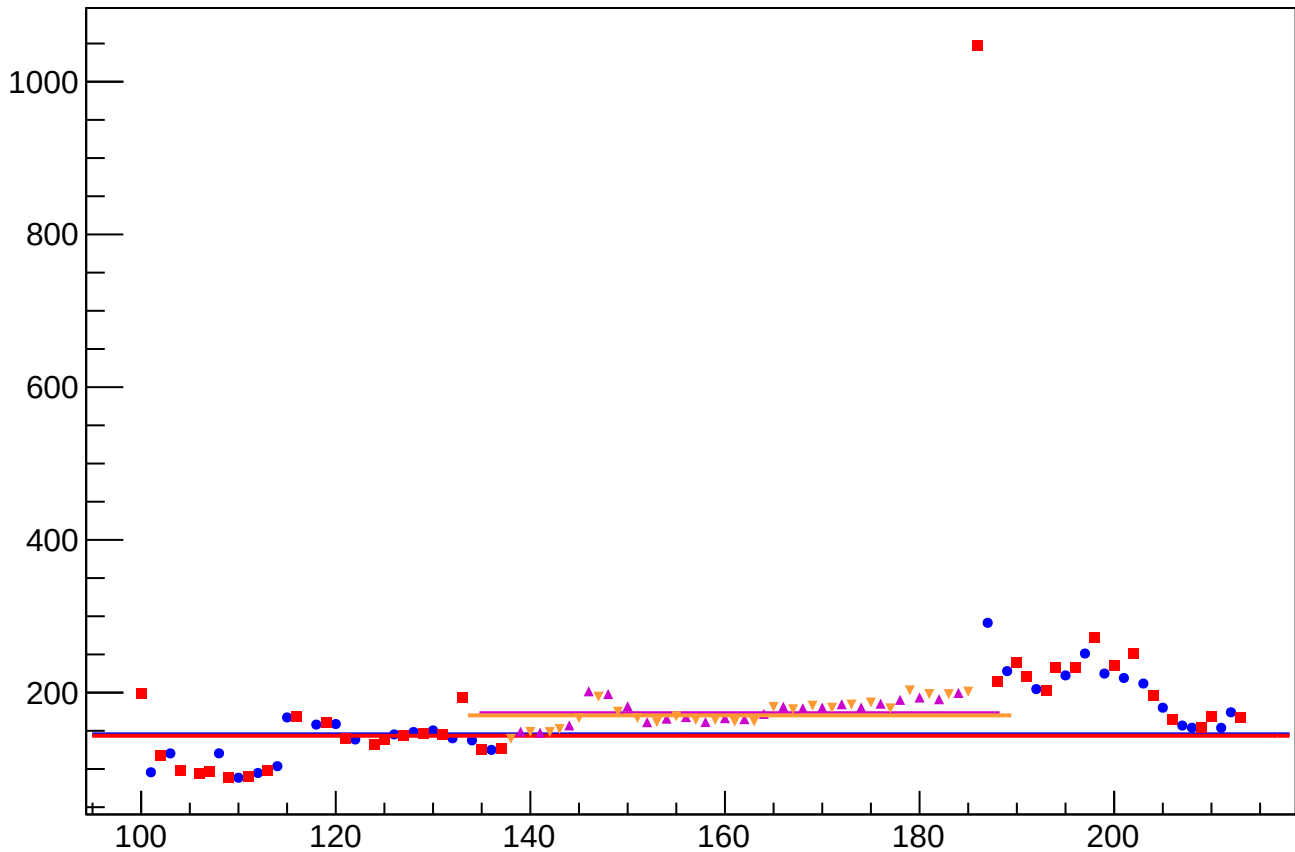
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 136.727 ± 26.616 χ^2/NDF : 99.6/53

All: 15.457 ± 18.822 χ^2/NDF : 245.7/110

- sign -105.865 ± 26.622 χ^2/NDF : 104.6/56

dit_asym_sam6_rms vs Slug



Right In: 145.360 $\pm$ 0.026 χ^2 /NDF: 2711619.6/28

Left Out: 170.240 $\pm$ 0.028 χ^2 /NDF: 366302.5/24

Right Out: 143.557 $\pm$ 0.025 χ^2 /NDF: 4421415.2/33

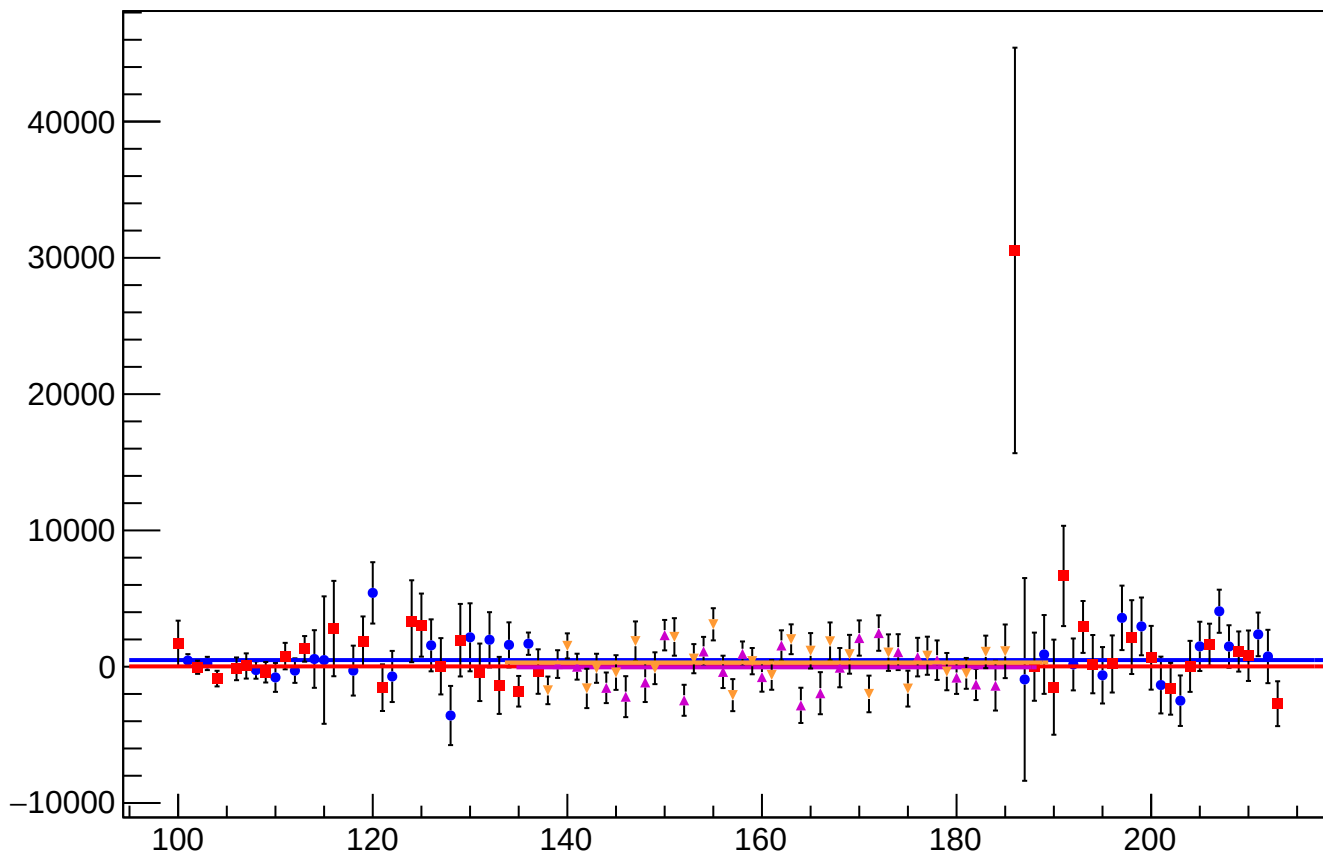
Left In: 173.024 $\pm$ 0.029 χ^2 /NDF: 293702.8/22

+ sign 157.008 $\pm$ 0.019 χ^2 /NDF: 3513048.9/53

All: 156.615 $\pm$ 0.013 χ^2 /NDF: 8829524.1/110

- sign 156.222 $\pm$ 0.019 χ^2 /NDF: 5315605.0/56

asym_sam6_dit_correction_mean vs Slug



Right In: 486.931+/-220.972 χ^2/NDF : 30.7/28

Left Out: 313.641+/-242.402 χ^2/NDF : 32.9/24

Right Out: 23.621+/-219.492 χ^2/NDF : 31.4/33

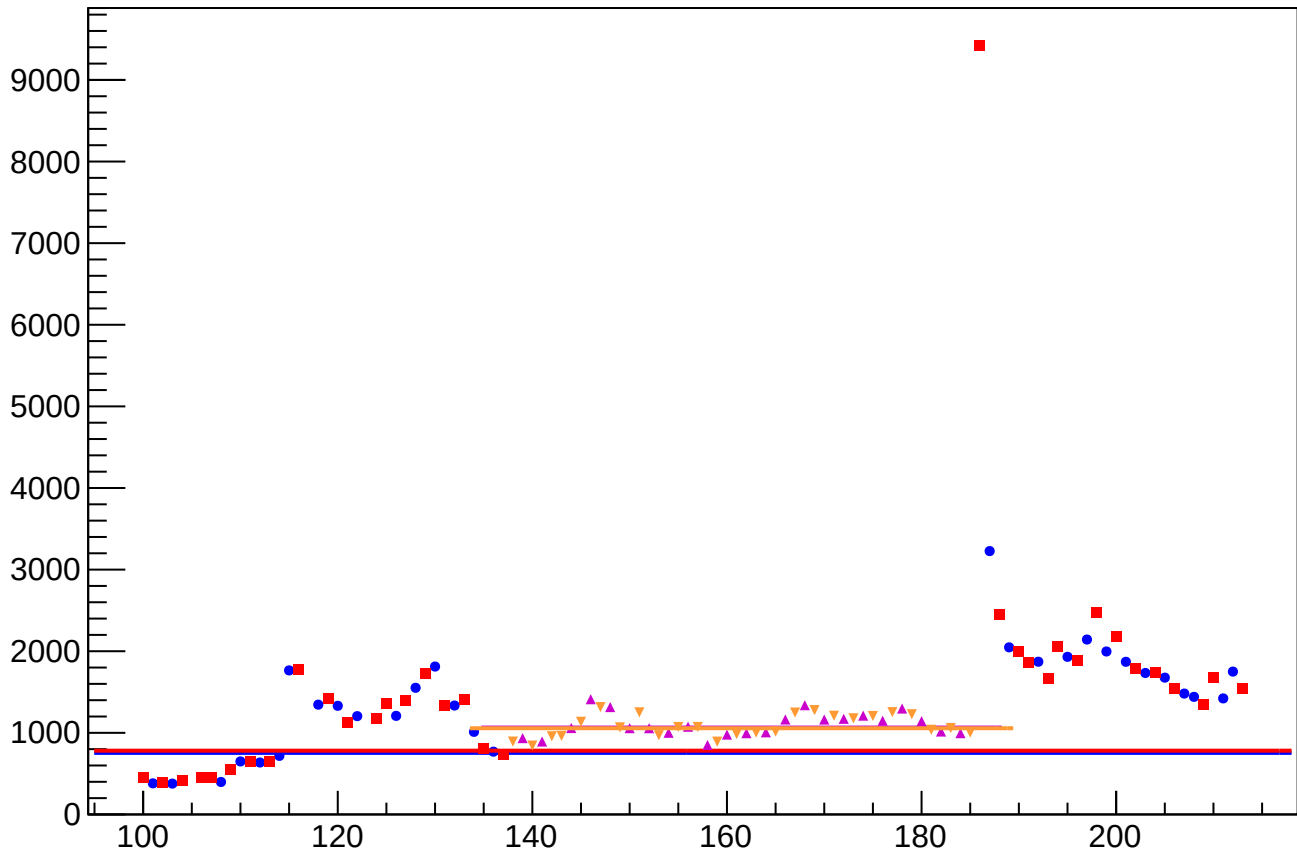
Left In: -47.231+/-251.252 χ^2/NDF : 34.4/22

+ sign 408.283+/-163.302 χ^2/NDF : 63.8/53

All: 203.143+/-116.172 χ^2/NDF : 132.9/110

- sign -7.046+/-165.300 χ^2/NDF : 65.9/56

asym_sam6_dit_correction_rms vs Slug



Right In: 754.667 $\pm$ 0.156 χ^2 /NDF: 11301982.6/28

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610710.4/24

Right Out: 781.596 $\pm$ 0.155 χ^2 /NDF: 12394057.2/33

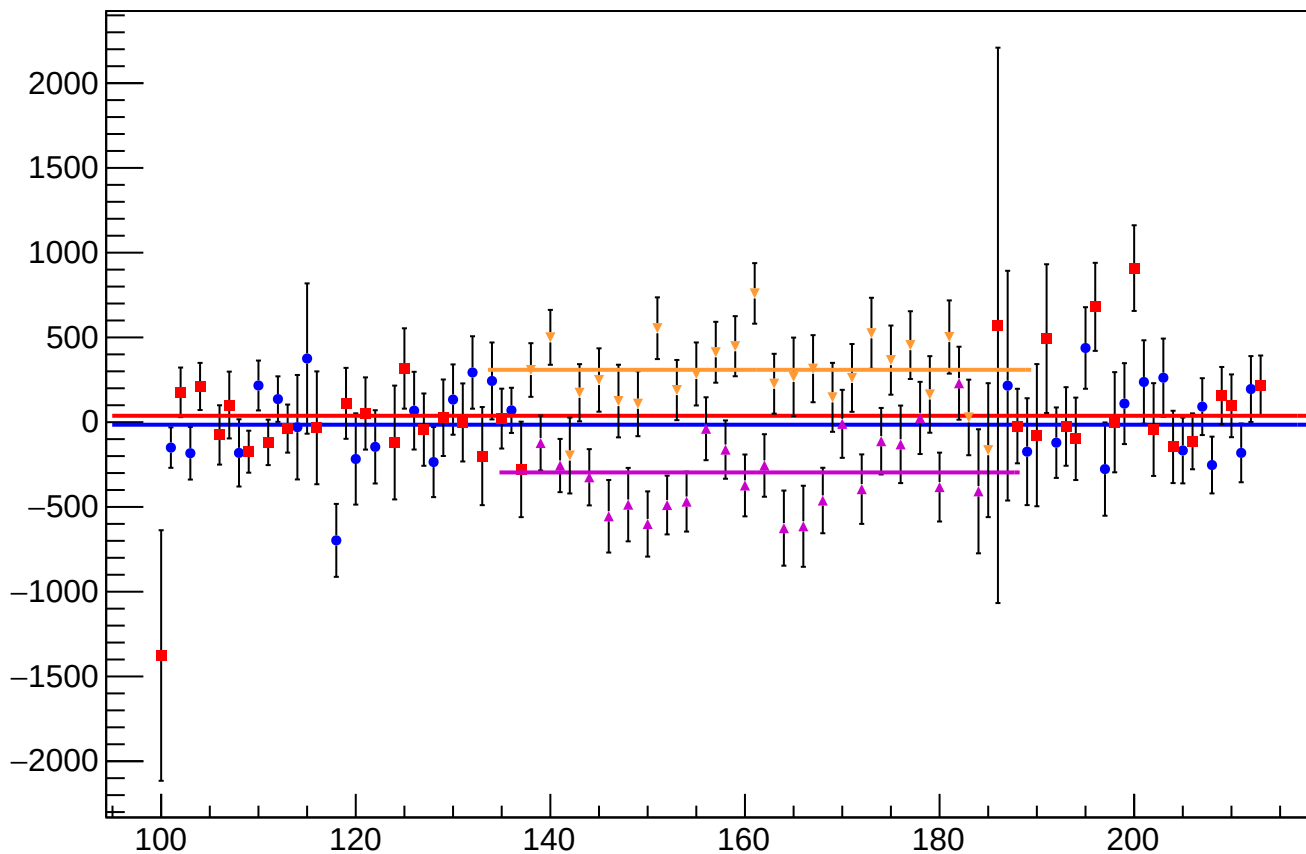
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611055.8/22

+ sign 891.576 $\pm$ 0.115 χ^2 /NDF: 13604337.2/53

All: 897.777 $\pm$ 0.082 χ^2 /NDF: 28055353.6/1

- sign 904.131 $\pm$ 0.117 χ^2 /NDF: 14445177.2/56

eigen_dit_asym_sam6_mean vs Slug



Right In: -14.938 ± 36.496 χ^2/NDF : 37.2/28

Left Out: 309.032 ± 38.901 χ^2/NDF : 25.6/24

Right Out: 37.836 ± 35.256 χ^2/NDF : 38.1/33

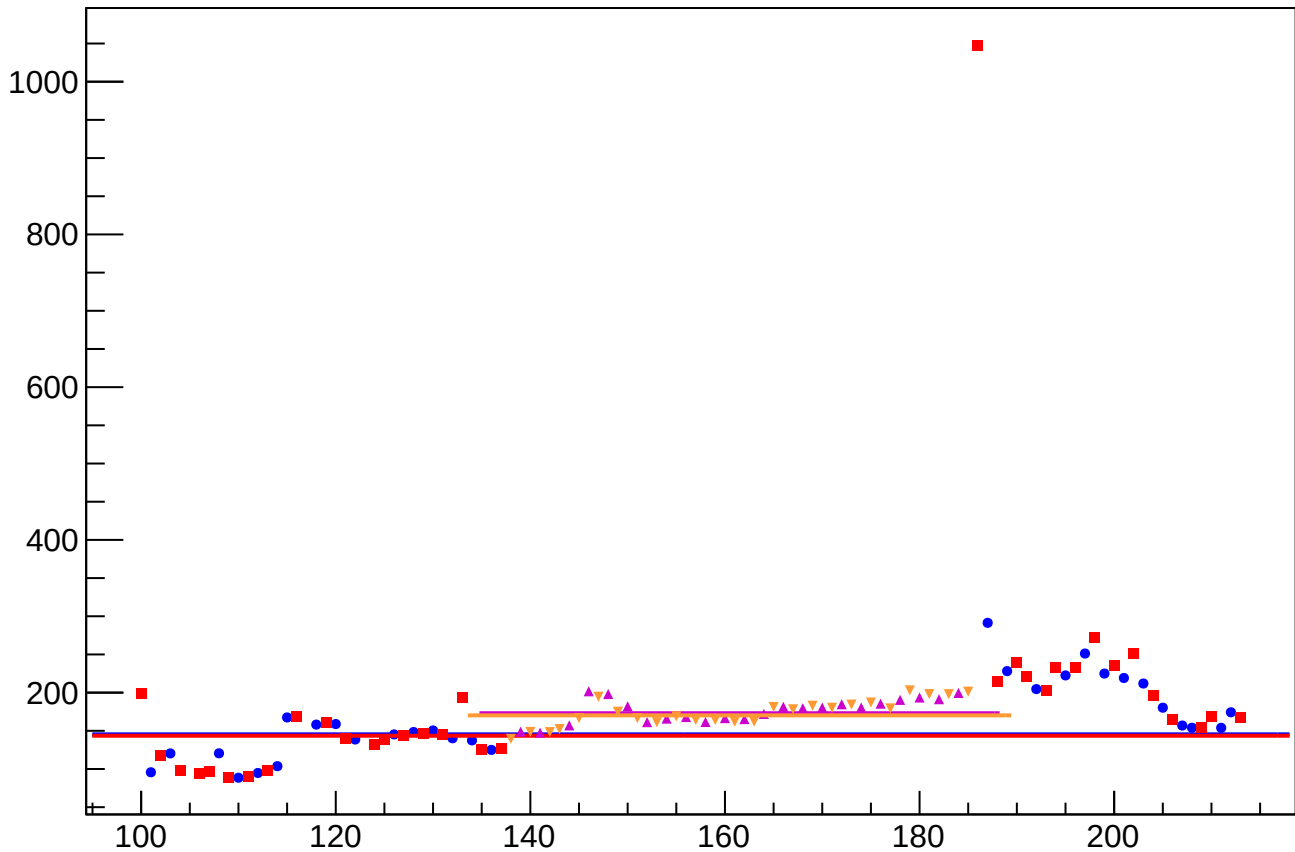
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 136.726 ± 26.616 χ^2/NDF : 99.6/53

All: 15.456 ± 18.822 χ^2/NDF : 245.8/110

- sign -105.866 ± 26.622 χ^2/NDF : 104.6/56

eigen_dit_asym_sam6_rms vs Slug



Right In: 145.360+/-0.026 χ^2/NDF : 2711638.6/28

Left Out: 170.240+/-0.028 χ^2/NDF : 366303.1/24

Right Out: 143.557+/-0.025 χ^2/NDF : 4421422.3/33

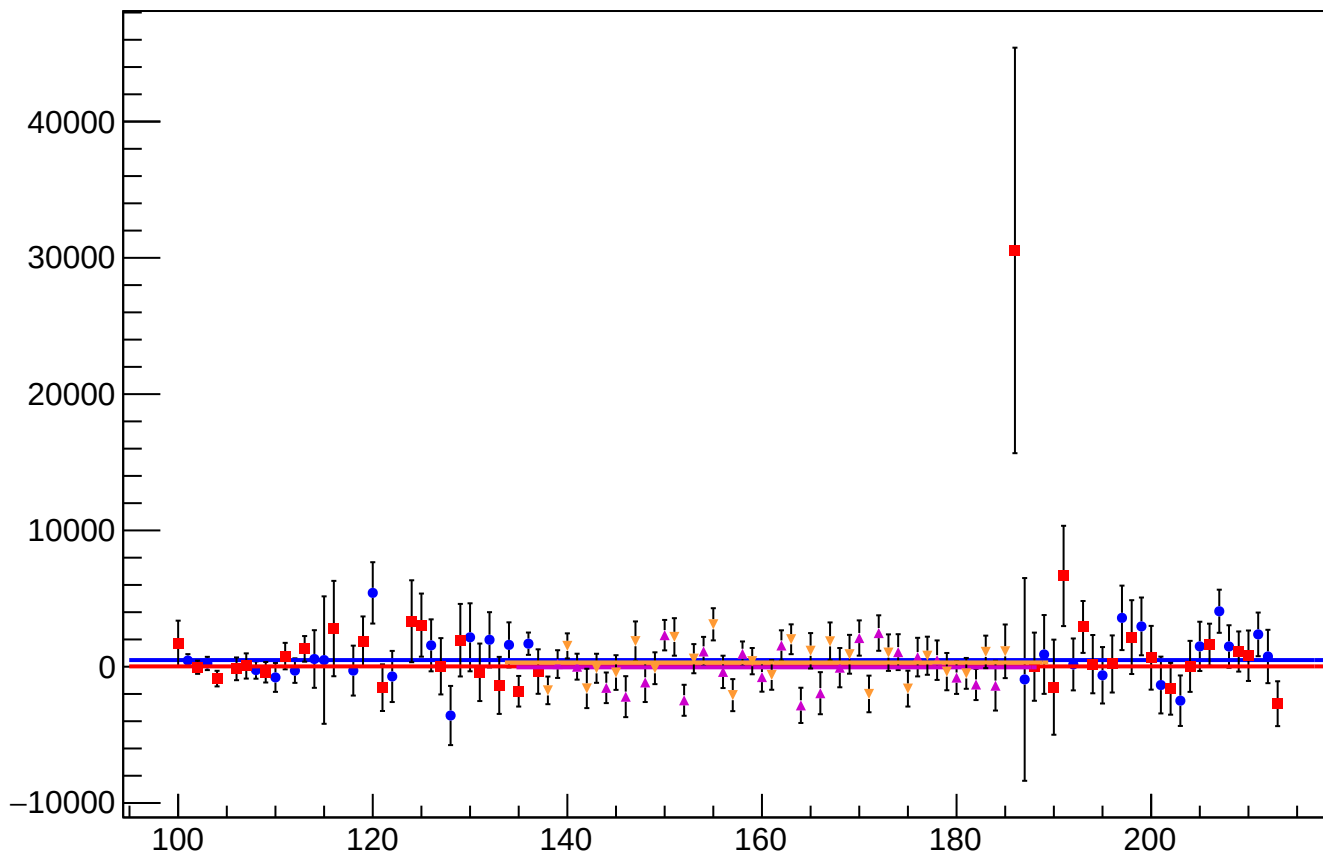
Left In: 173.023+/-0.029 χ^2/NDF : 293703.4/22

+ sign 157.007+/-0.019 χ^2/NDF : 3513071.3/53

All: 156.615+/-0.013 χ^2/NDF : 8829557.1/110

- sign 156.222+/-0.019 χ^2/NDF : 5315615.6/56

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 486.930 $\pm$ 220.972 χ^2 /NDF: 30.7/28

Left Out: 313.641 $\pm$ 242.402 χ^2 /NDF:32.9/24

Right Out: 23.620 $\pm$ 219.492 χ^2 /NDF: 31.4/33

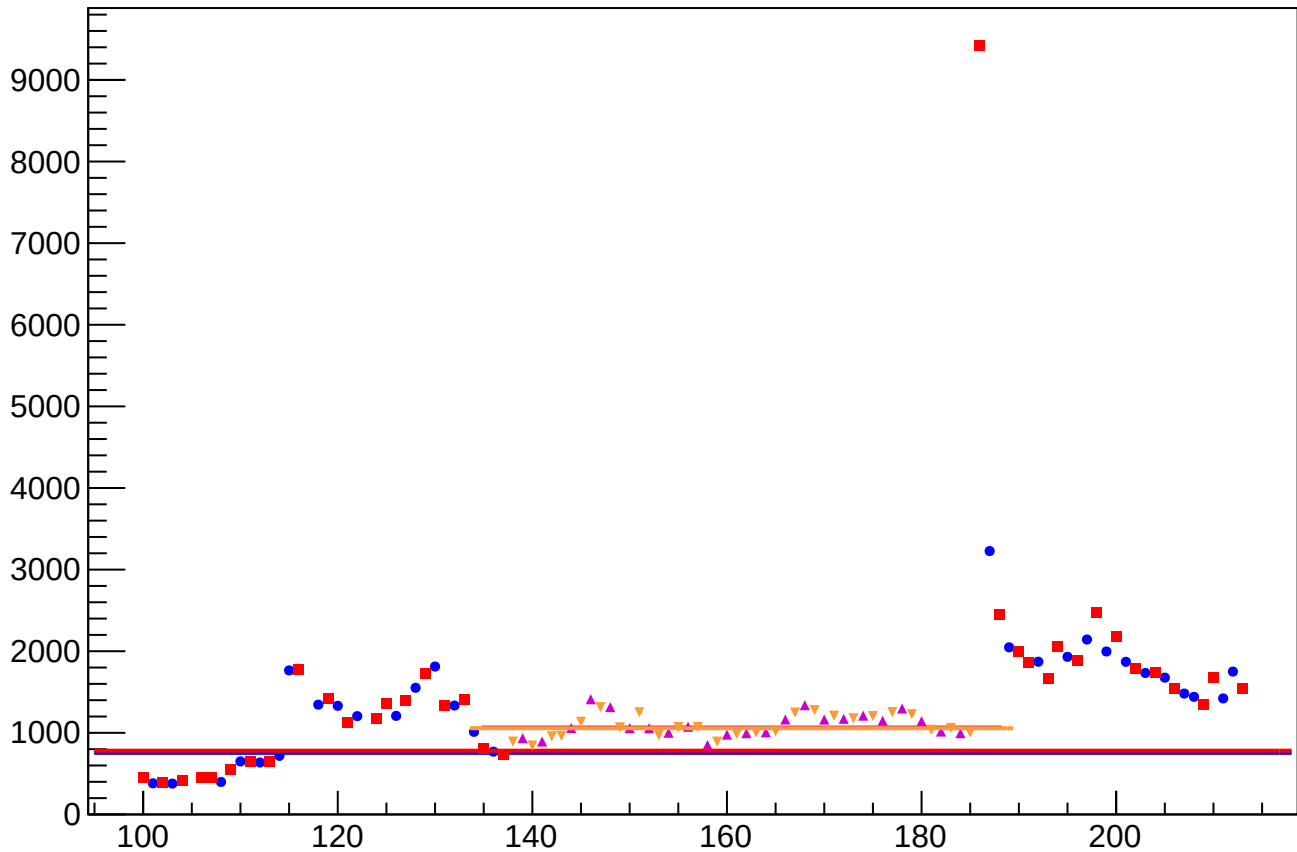
Left In: -47.231 $\pm$ 251.252 χ^2 /NDF:34.4/22

+ sign 408.283 $\pm$ 163.302 χ^2 /NDF: 63.8/53

All: 203.142 $\pm$ 116.172 χ^2 /NDF: 132.9/110

- sign -7.047 $\pm$ 165.300 χ^2 /NDF: 65.9/56

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 754.666 $\pm$ 0.156 χ^2 /NDF: 11301997.1/28

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF: 610715.5/24

Right Out: 781.596 $\pm$ 0.155 χ^2 /NDF: 12394061.5/33

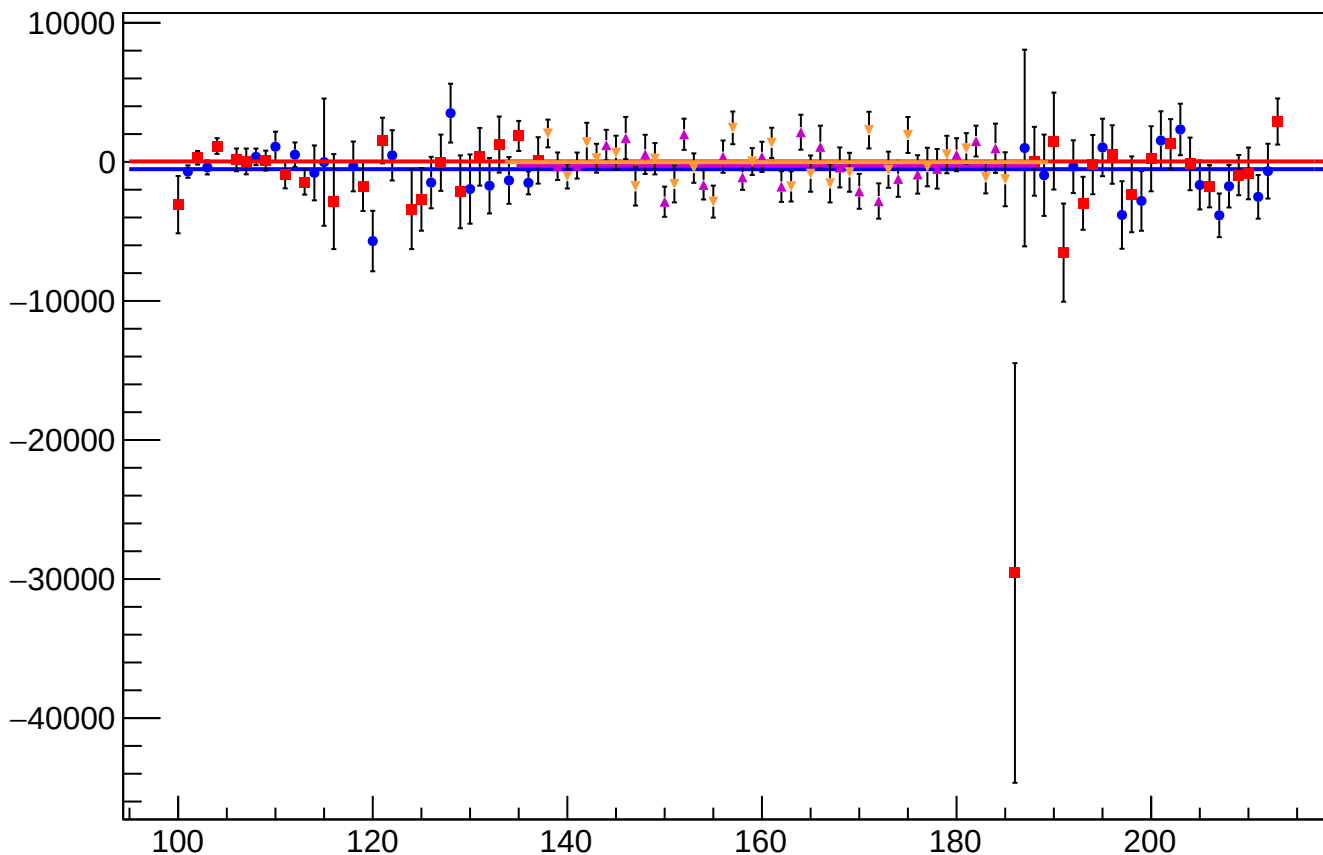
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF: 611059.3/22

+ sign 891.575 $\pm$ 0.115 χ^2 /NDF: 13604370.9/53

All: 897.776 $\pm$ 0.082 χ^2 /NDF: 28055402.9/1

- sign 904.130 $\pm$ 0.117 χ^2 /NDF: 14445192.7/56

asym_sam6_mean vs Slug



Right In: -524.021 $\pm$ 217.728 χ^2 /NDF: 32.4/28

Left Out: -21.861 $\pm$ 237.972 χ^2 /NDF:34.5/24

Right Out: 32.903 $\pm$ 217.455 χ^2 /NDF: 35.9/33

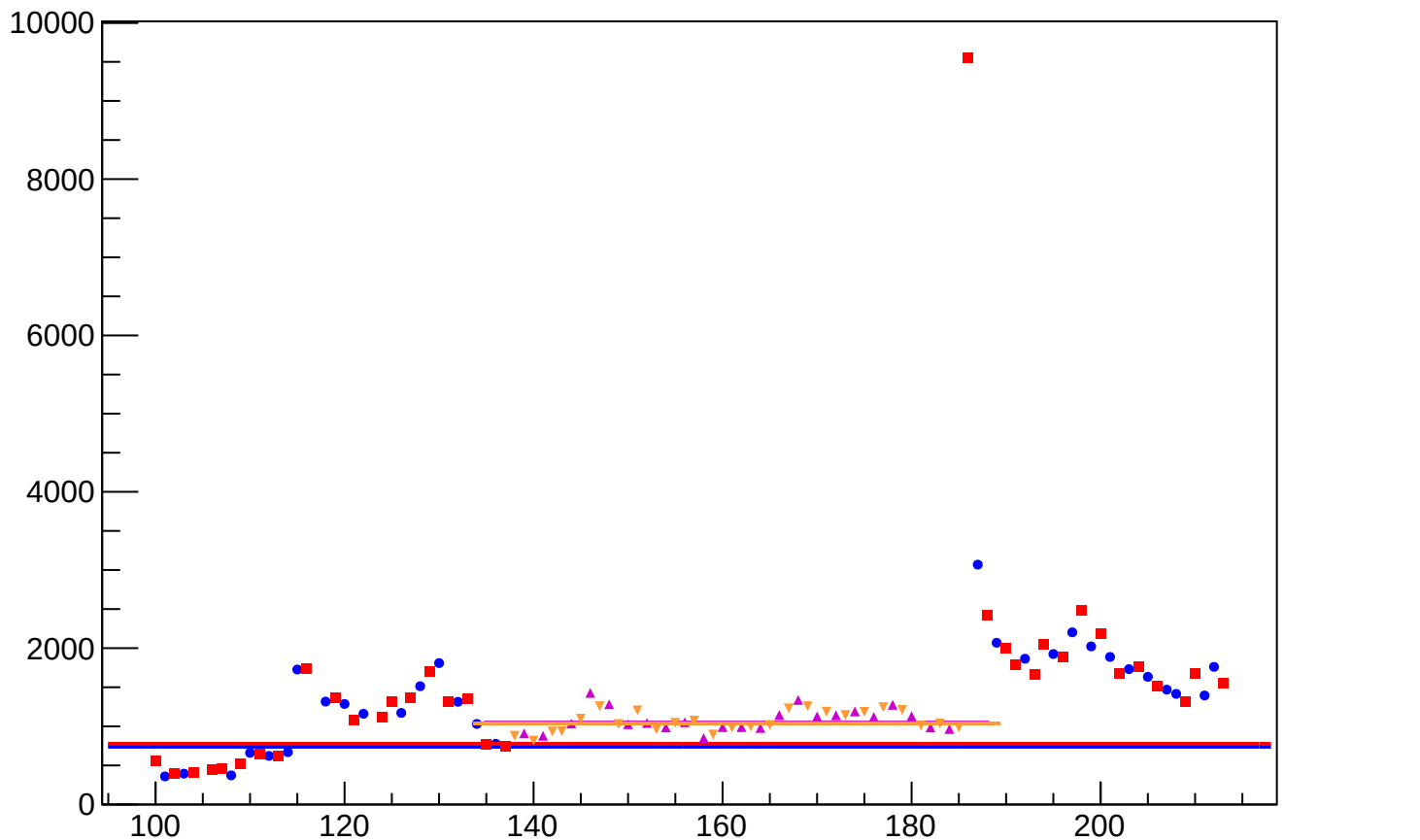
Left In: -255.399 $\pm$ 247.203 χ^2 /NDF:33.6/22

+ sign -295.204 $\pm$ 160.638 χ^2 /NDF: 69.3/53

All: -195.682 $\pm$ 114.509 χ^2 /NDF: 140.3/110

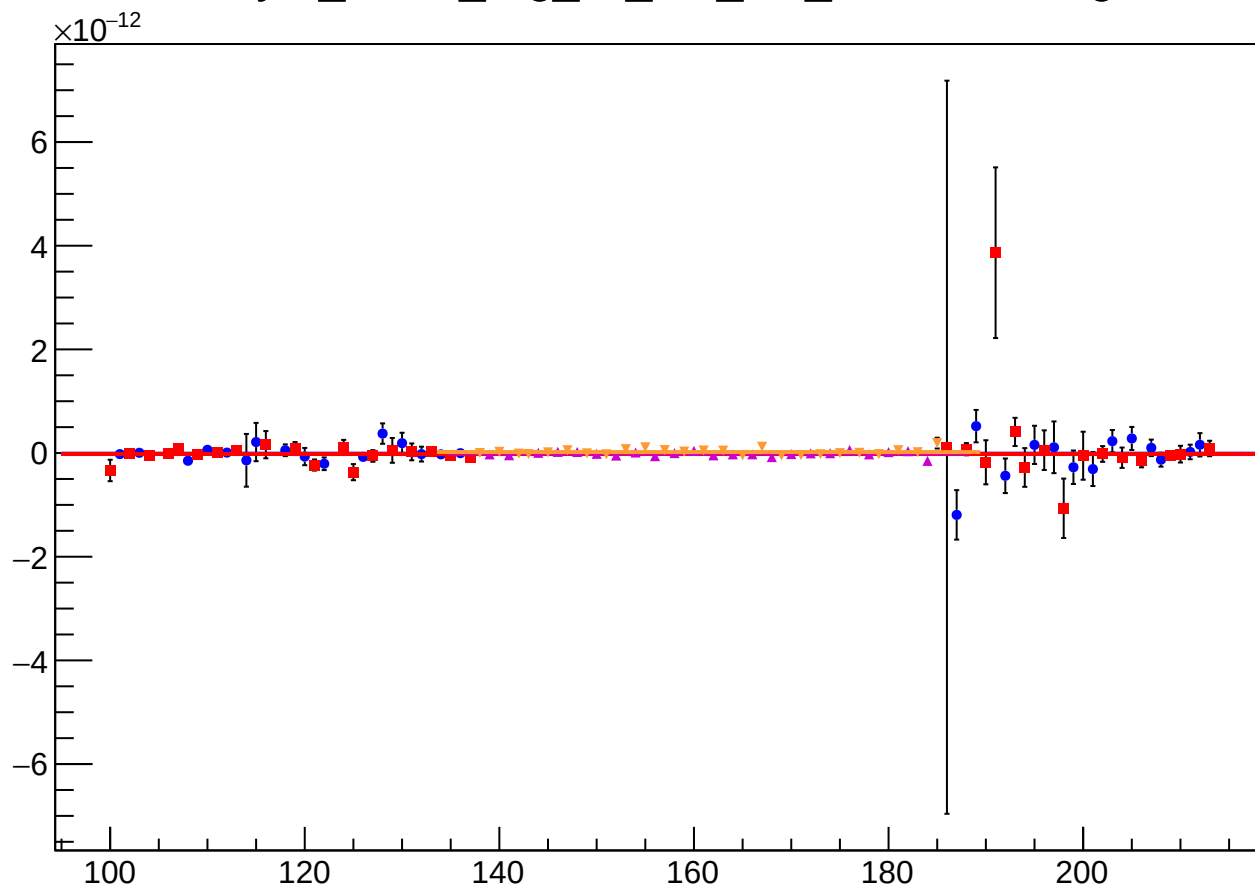
- sign -92.866 $\pm$ 163.274 χ^2 /NDF: 70.2/56

asym_sam6_rms vs Slug



Right In: 739.608 $\pm$ 0.154 χ^2 /NDF: 11506268.9/28 + sign 875.267 $\pm$ 0.114 χ^2 /NDF: 13795707.7/53
 Left Out: 1037.324 $\pm$ 0.168 χ^2 /NDF: 585511.9/24 All: 884.768 $\pm$ 0.081 χ^2 /NDF: 28021929.9/11
 Right Out: 776.156 $\pm$ 0.154 χ^2 /NDF: 12238847.8/33 - sign 894.583 $\pm$ 0.115 χ^2 /NDF: 14211997.6/56
 Left In: 1047.629 $\pm$ 0.175 χ^2 /NDF: 613357.0/22

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 33.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 30.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.0/33

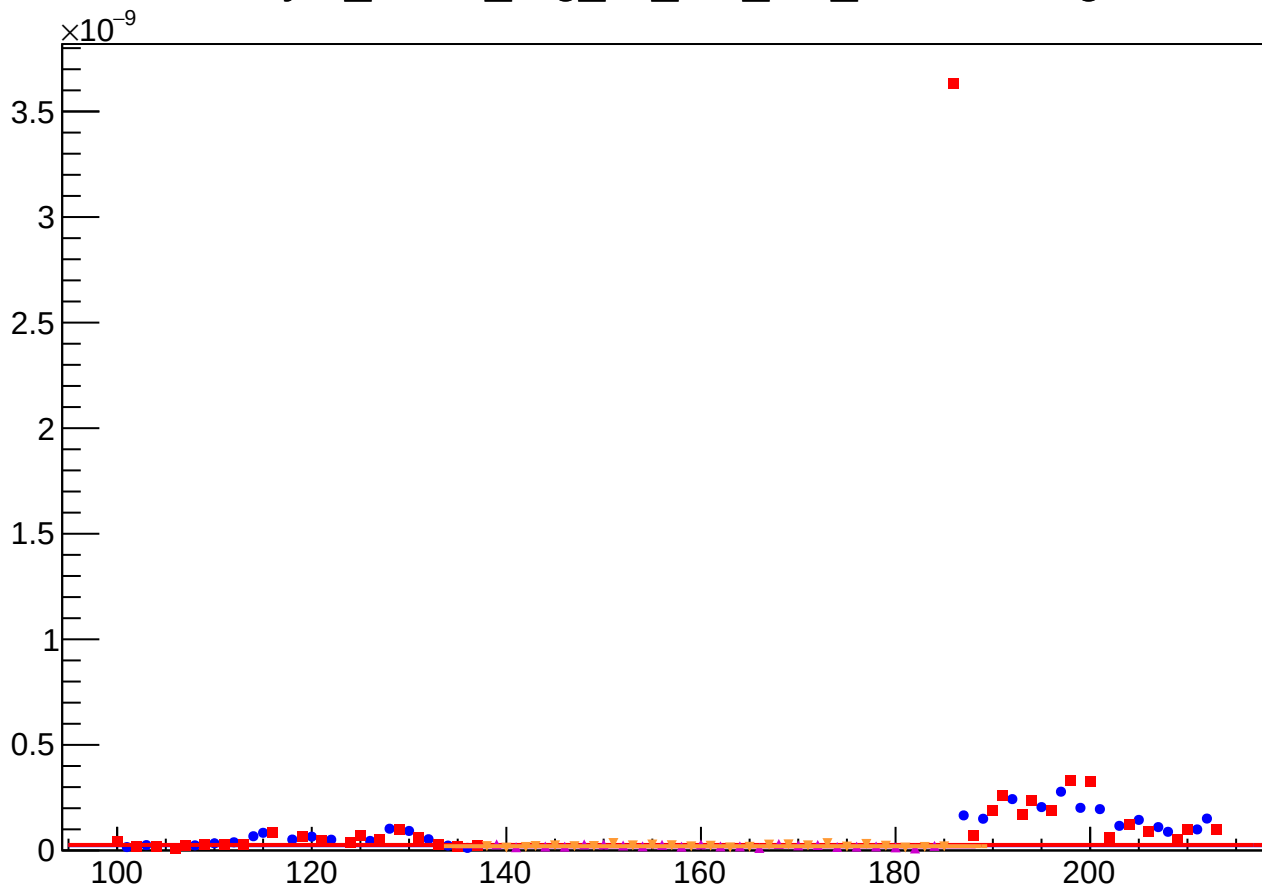
Left In: -0.000 ± 0.000 χ^2/NDF : 18.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.8/53

All: 0.000 ± 0.000 χ^2/NDF : 125.9/110

- sign -0.000 ± 0.000 χ^2/NDF : 53.3/56

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8928221.4/28

Left Out: 0.000+/-0.000 χ^2/NDF :993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8343863.3/33

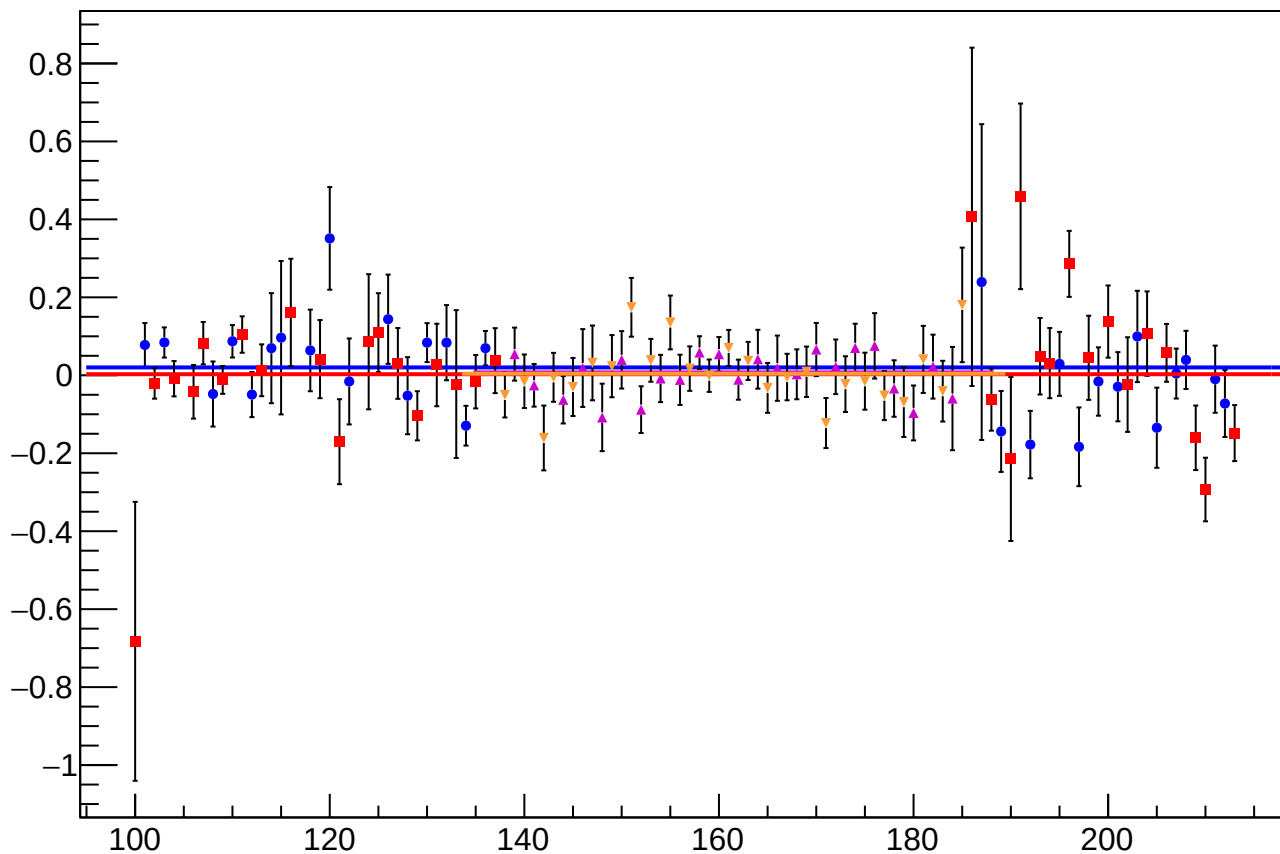
Left In: 0.000+/-0.000 χ^2/NDF :1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 10116764.9/53

All: 0.000+/-0.000 χ^2/NDF : 19921005.7/110

- sign 0.000+/-0.000 χ^2/NDF : 9799780.1/56

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.013 χ^2/NDF : 45.7/28

Left Out: 0.004 ± 0.013 χ^2/NDF : 24.8/24

Right Out: 0.003 ± 0.013 χ^2/NDF : 63.3/33

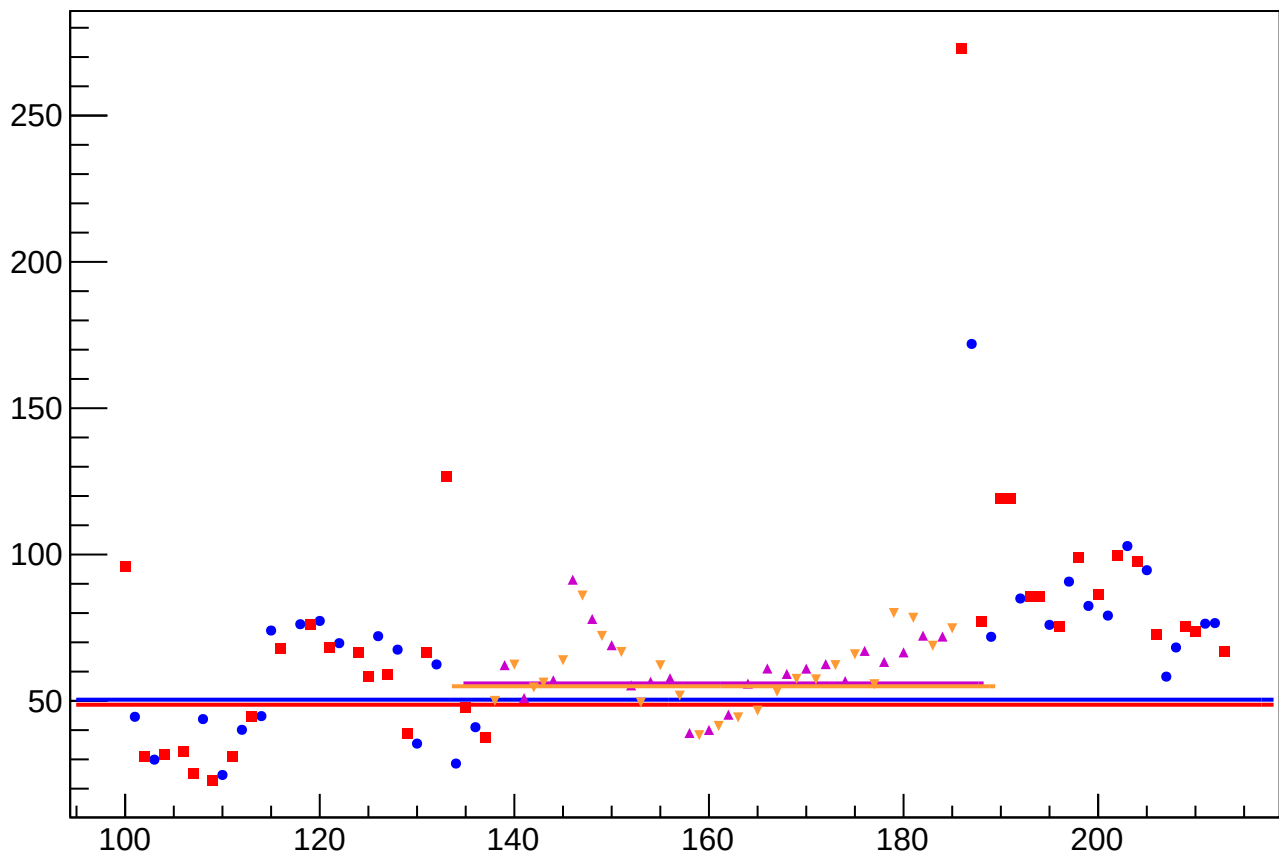
Left In: 0.007 ± 0.014 χ^2/NDF : 15.1/22

+ sign 0.012 ± 0.009 χ^2/NDF : 71.3/53

All: 0.008 ± 0.007 χ^2/NDF : 149.9/110

- sign 0.005 ± 0.009 χ^2/NDF : 78.4/56

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 50.402+/-0.010 χ^2/NDF : 5380967.9/28

Left Out: 54.986+/-0.009 χ^2/NDF : 1566844.0/24

Right Out: 48.679+/-0.009 χ^2/NDF : 7618131.2/33

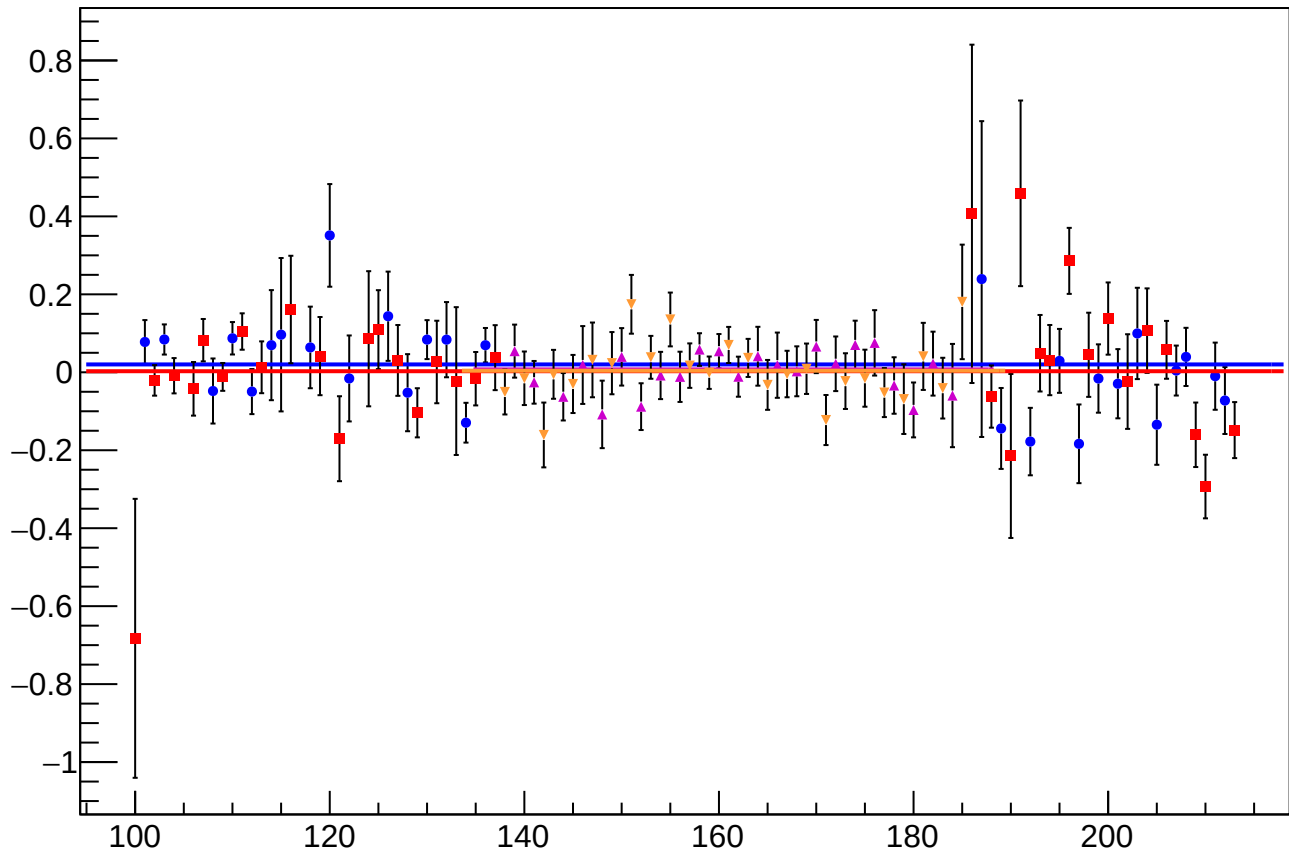
Left In: 55.956+/-0.010 χ^2/NDF : 1406142.1/22

+ sign 52.788+/-0.007 χ^2/NDF : 7067926.3/53

All: 52.472+/-0.005 χ^2/NDF : 16399311.9/110

- sign 52.157+/-0.007 χ^2/NDF : 9326837.8/56

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.013 $\chi^2/\text{NDF}: 45.7/28$

Left Out: 0.004 ± 0.013 $\chi^2/\text{NDF}: 24.8/24$

Right Out: 0.003 ± 0.013 $\chi^2/\text{NDF}: 63.3/33$

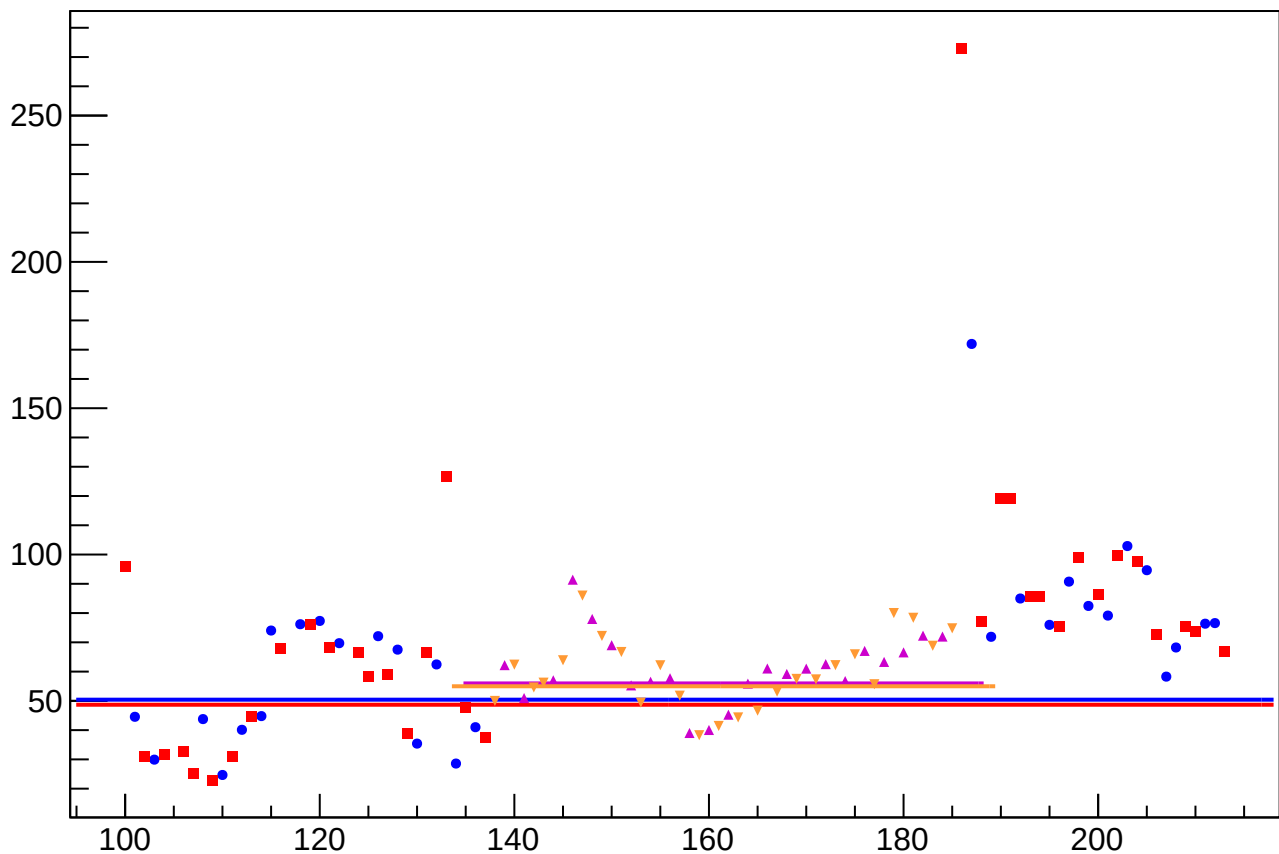
Left In: 0.007 ± 0.014 $\chi^2/\text{NDF}: 15.1/22$

+ sign 0.012 ± 0.009 $\chi^2/\text{NDF}: 71.3/53$

All: 0.008 ± 0.007 $\chi^2/\text{NDF}: 149.9/110$

- sign 0.005 ± 0.009 $\chi^2/\text{NDF}: 78.4/56$

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.402 $\pm$ 0.010 χ^2 /NDF: 5380967.9/28

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 48.679 $\pm$ 0.009 χ^2 /NDF: 7618131.2/33

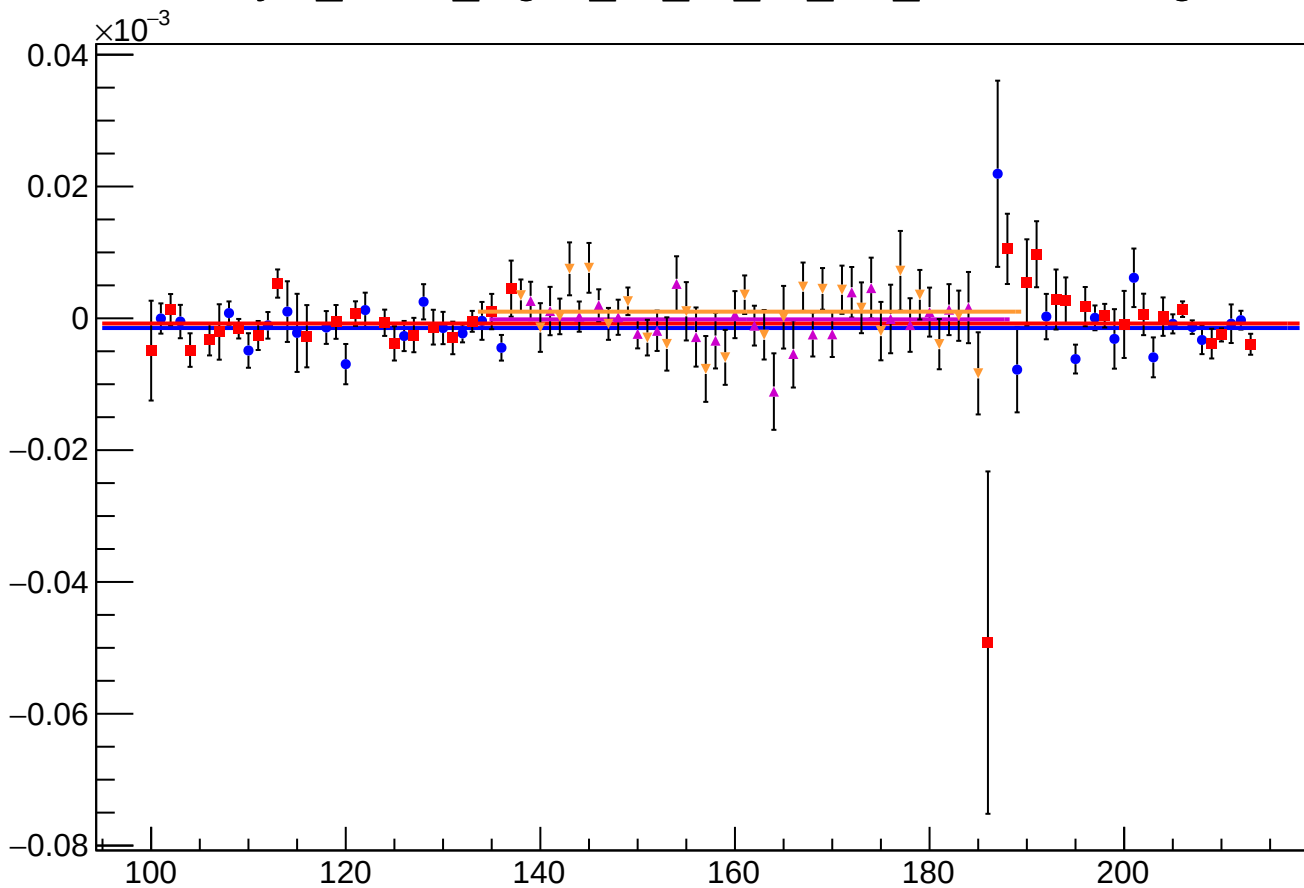
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 52.788 $\pm$ 0.007 χ^2 /NDF: 7067926.3/53

All: 52.472 $\pm$ 0.005 χ^2 /NDF: 16399311.9/110

- sign 52.157 $\pm$ 0.007 χ^2 /NDF: 9326837.8/56

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 30.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 47.7/33

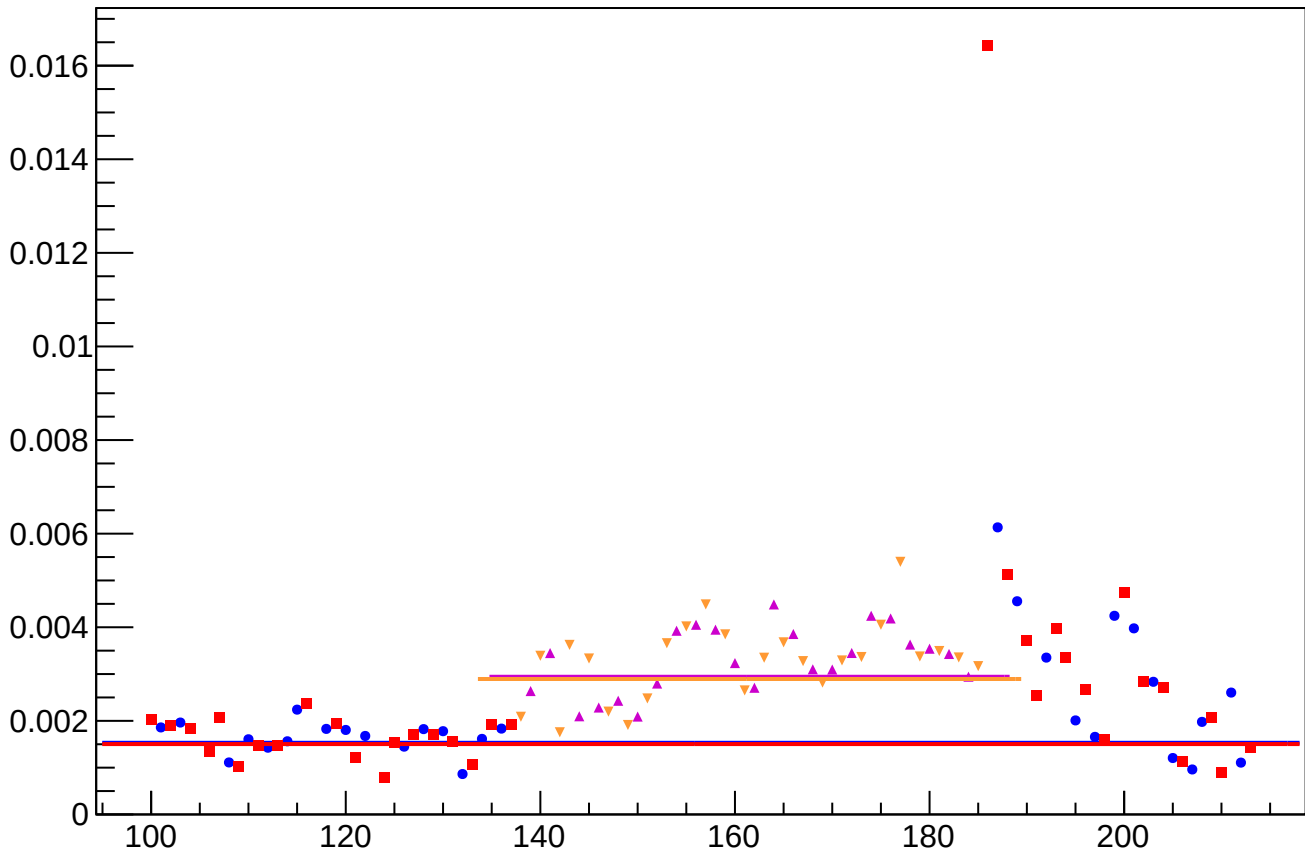
Left In: -0.000 ± 0.000 χ^2/NDF : 14.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 68.3/53

All: -0.000 ± 0.000 χ^2/NDF : 130.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 62.4/56

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5134697.9/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:2642911.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6988832.2/33

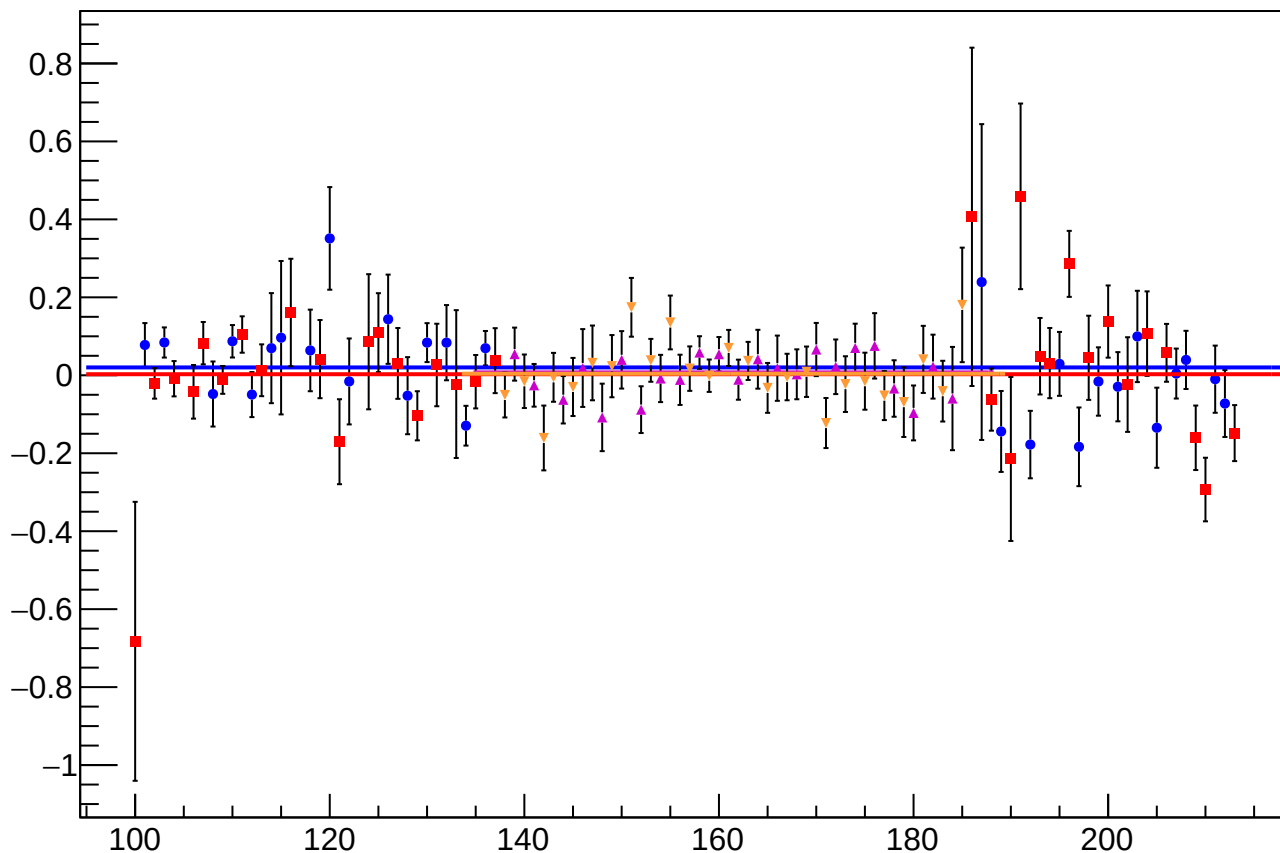
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1890470.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13614064.0/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 28828095.1/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 15192495.1/56

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.013 χ^2 /NDF: 45.7/28

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF: 24.8/24

Right Out: 0.003 $\pm$ 0.013 χ^2 /NDF: 63.3/33

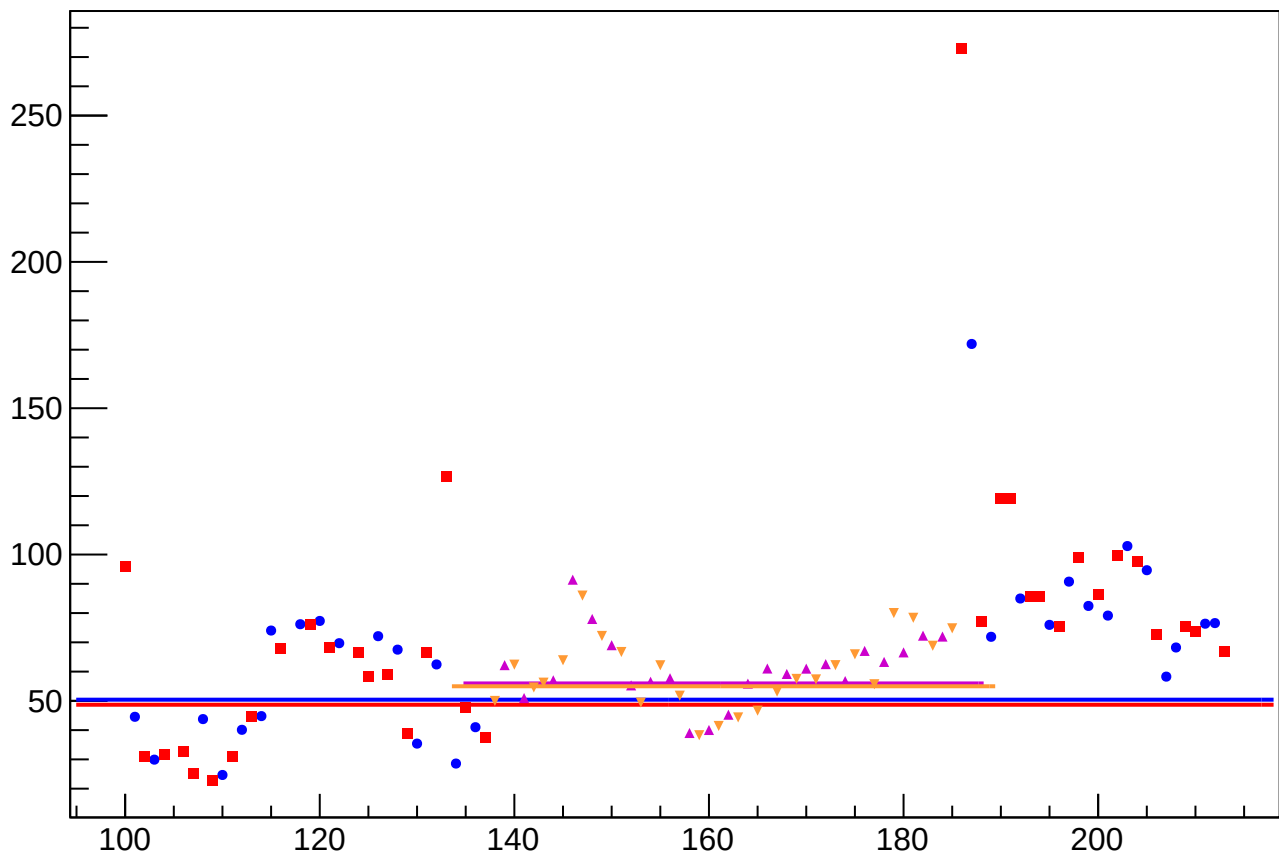
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF: 15.1/22

+ sign 0.012 $\pm$ 0.009 χ^2 /NDF: 71.3/53

All: 0.008 $\pm$ 0.007 χ^2 /NDF: 149.9/110

- sign 0.005 $\pm$ 0.009 χ^2 /NDF: 78.4/56

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.402 $\pm$ 0.010 χ^2 /NDF: 5381102.2/28

Left Out: 54.985 $\pm$ 0.009 χ^2 /NDF: 1566963.9/24

Right Out: 48.678 $\pm$ 0.009 χ^2 /NDF: 7618150.3/33

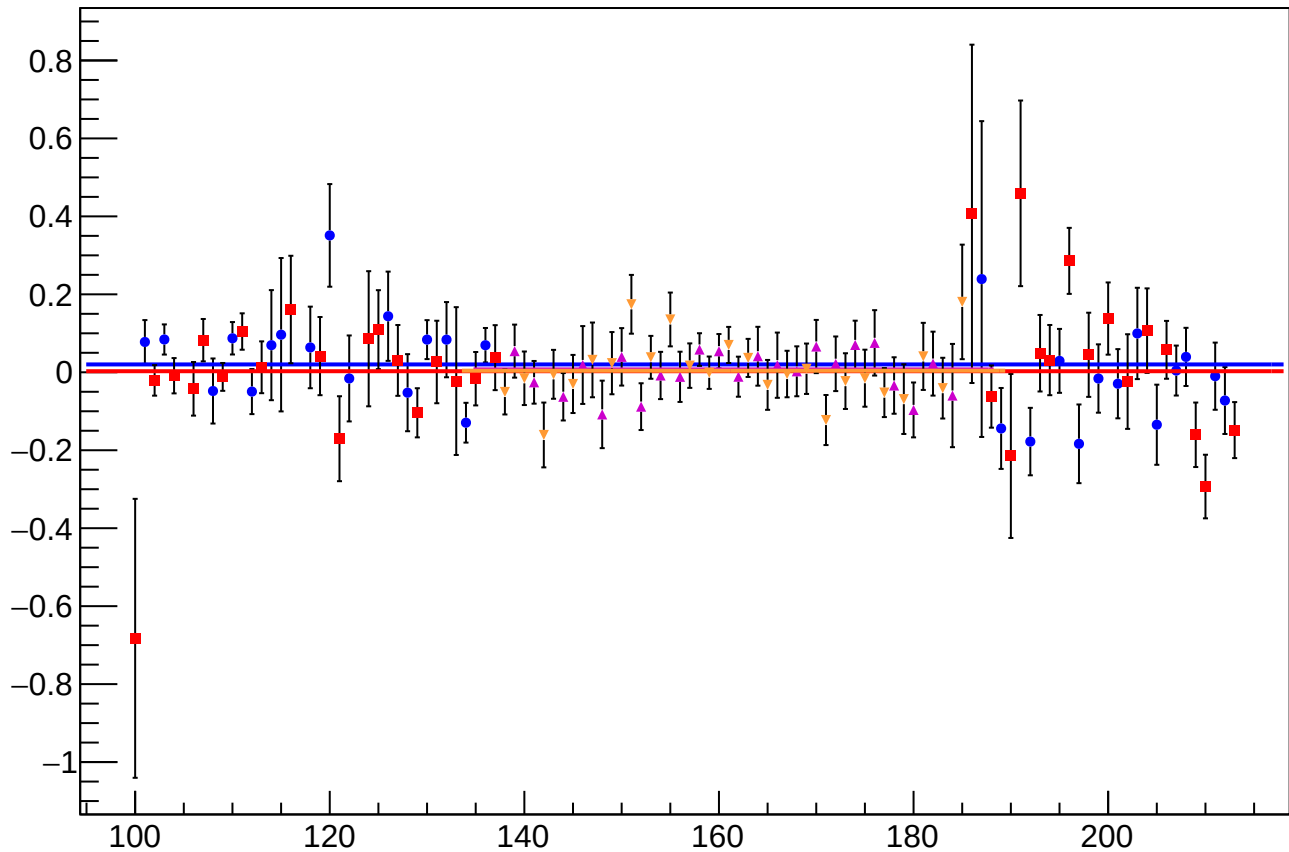
Left In: 55.955 $\pm$ 0.010 χ^2 /NDF: 1406309.5/22

+ sign 52.787 $\pm$ 0.007 χ^2 /NDF: 7068162.5/53

All: 52.472 $\pm$ 0.005 χ^2 /NDF: 16399673.0/110

- sign 52.157 $\pm$ 0.007 χ^2 /NDF: 9326963.8/56

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.013 χ^2 /NDF: 45.7/28

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF: 24.8/24

Right Out: 0.003 $\pm$ 0.013 χ^2 /NDF: 63.3/33

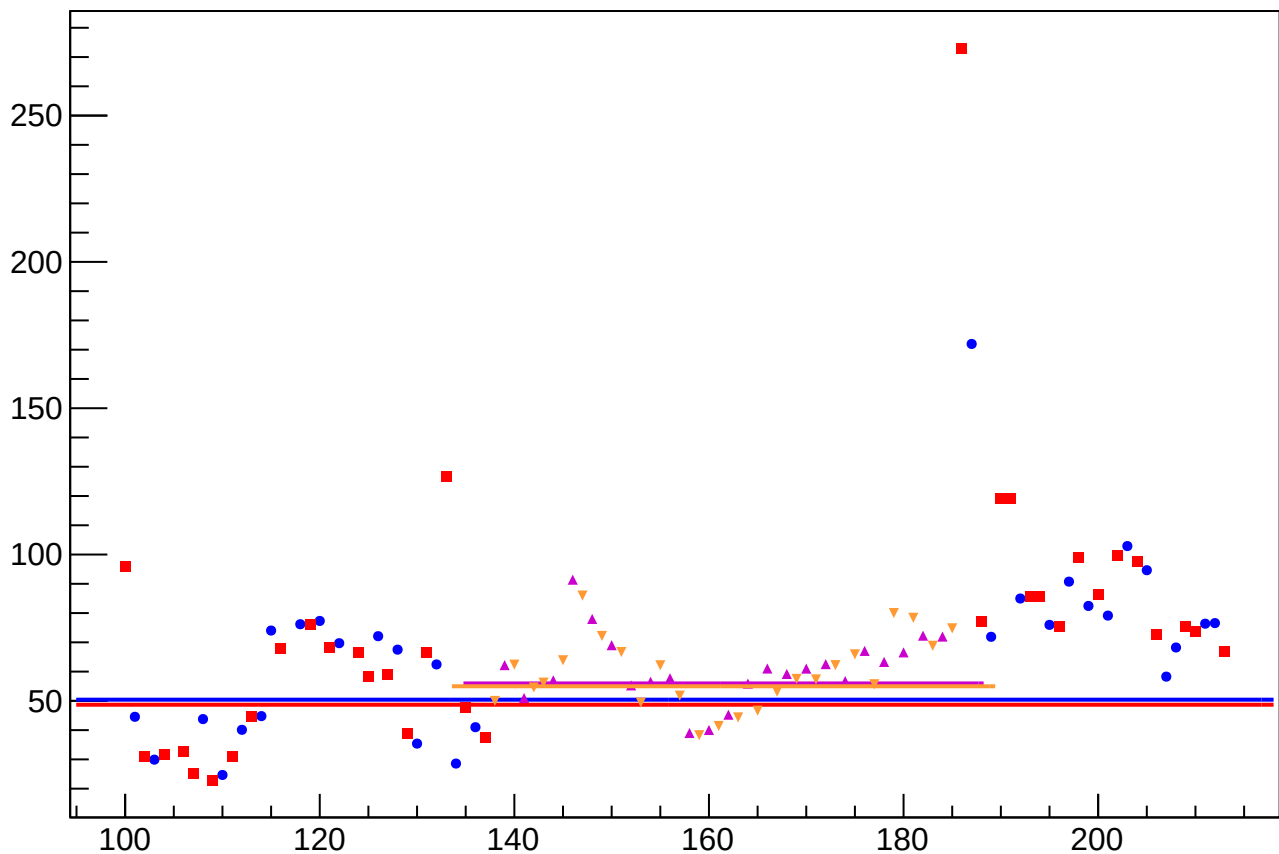
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF: 15.1/22

+ sign 0.012 $\pm$ 0.009 χ^2 /NDF: 71.3/53

All: 0.008 $\pm$ 0.007 χ^2 /NDF: 149.9/110

- sign 0.005 $\pm$ 0.009 χ^2 /NDF: 78.4/56

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.402 $\pm$ 0.010 χ^2 /NDF: 5381102.2/28

Left Out: 54.985 $\pm$ 0.009 χ^2 /NDF: 1566963.9/24

Right Out: 48.678 $\pm$ 0.009 χ^2 /NDF: 7618150.3/33

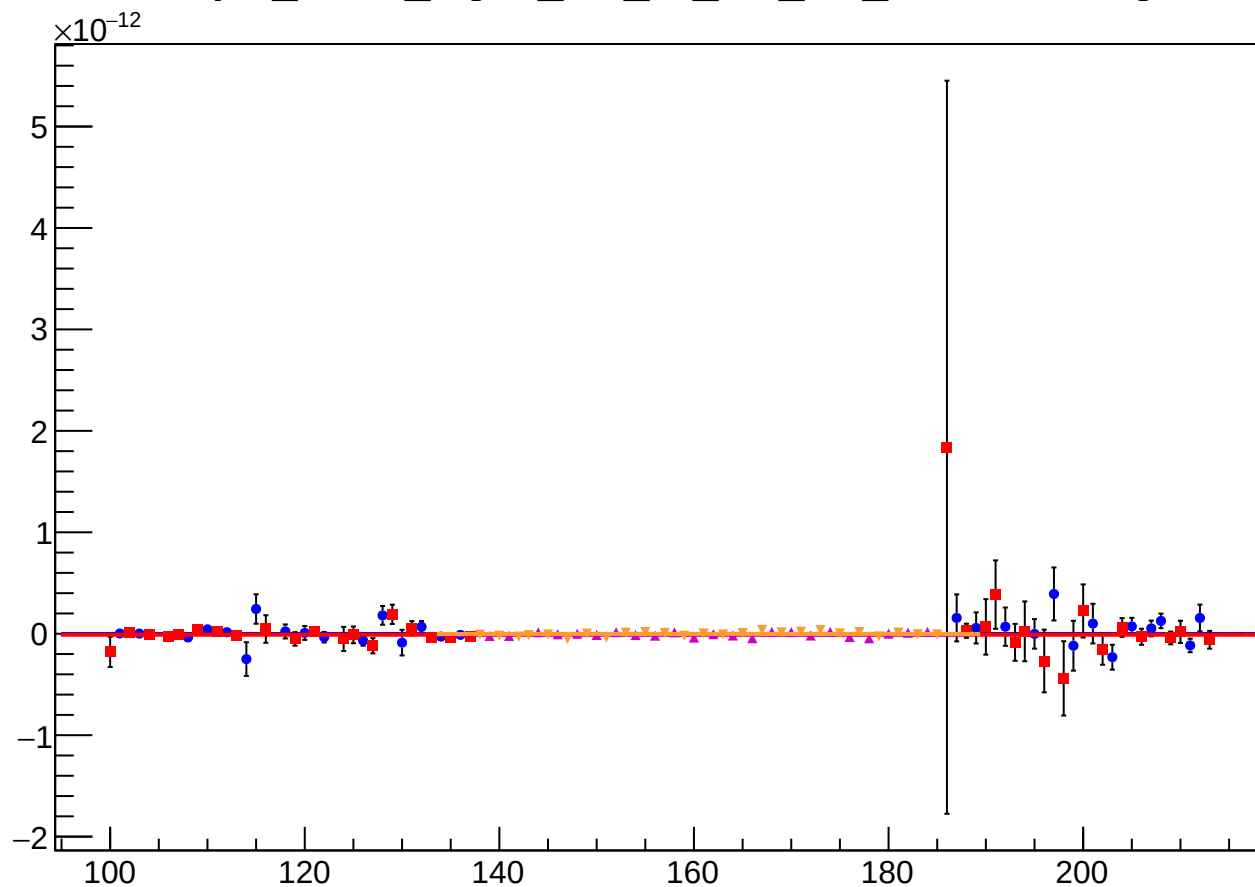
Left In: 55.955 $\pm$ 0.010 χ^2 /NDF: 1406309.5/22

+ sign 52.787 $\pm$ 0.007 χ^2 /NDF: 7068162.5/53

All: 52.472 $\pm$ 0.005 χ^2 /NDF: 16399673.0/110

- sign 52.157 $\pm$ 0.007 χ^2 /NDF: 9326963.8/56

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 32.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.0/33

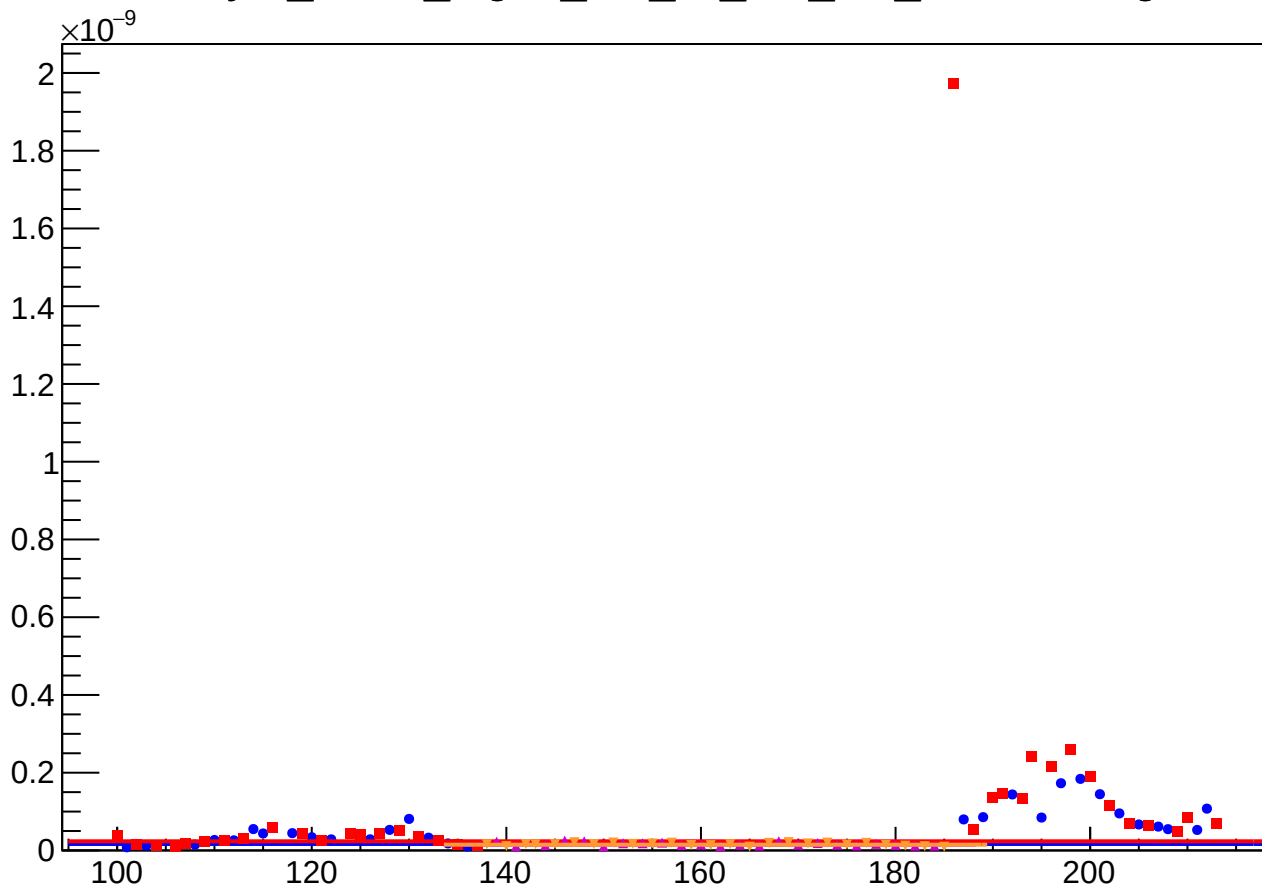
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 51.7/53

All: -0.000 ± 0.000 χ^2/NDF : 97.6/110

- sign -0.000 ± 0.000 χ^2/NDF : 45.0/56

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12238479.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11657543.1/33

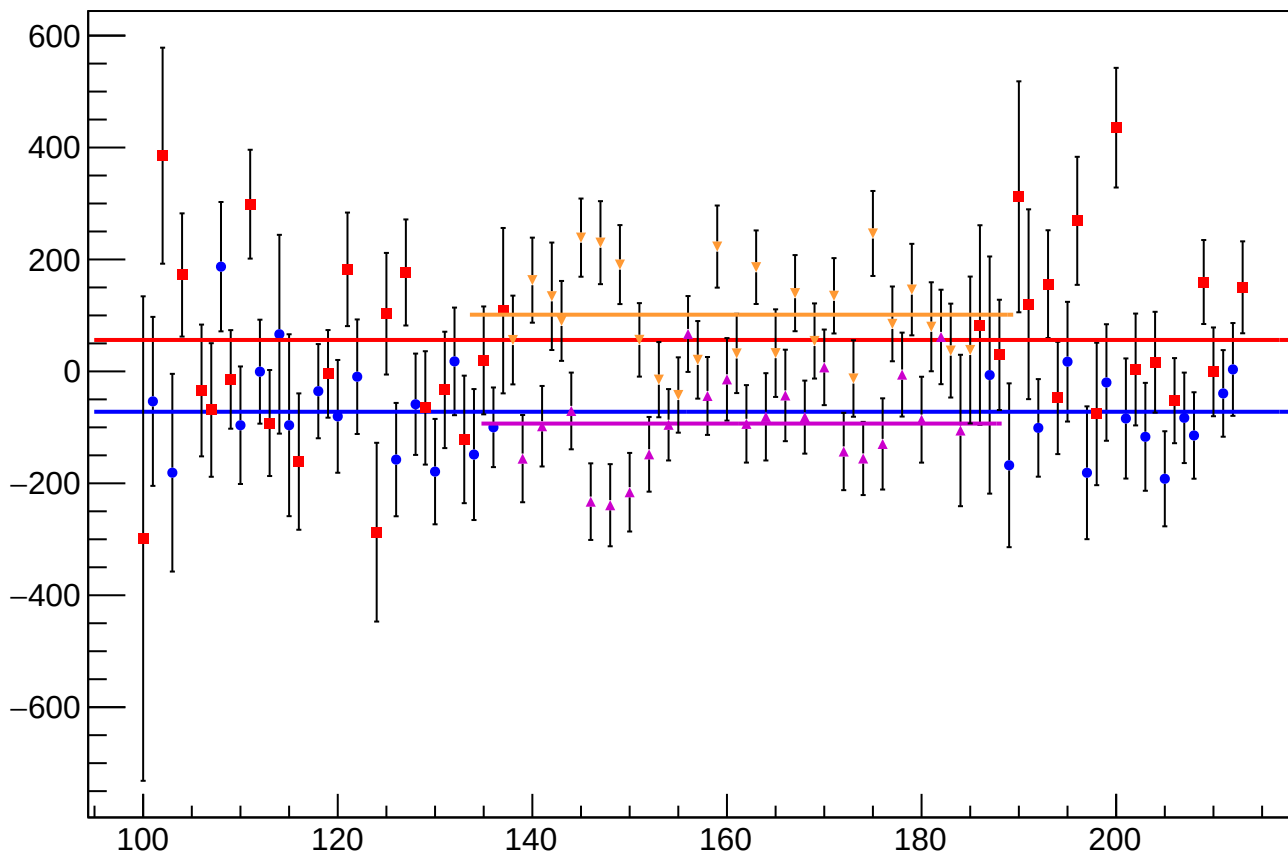
Left In: 0.000+/-0.000 χ^2/NDF : 1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 13750914.4/53

All: 0.000+/-0.000 χ^2/NDF : 28548062.5/110

- sign 0.000+/-0.000 χ^2/NDF : 14666231.2/56

reg_asym_sam7_mean vs Slug



Right In: -72.133 ± 18.600 χ^2/NDF : 16.7/28

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 56.174 ± 17.980 χ^2/NDF : 59.6/33

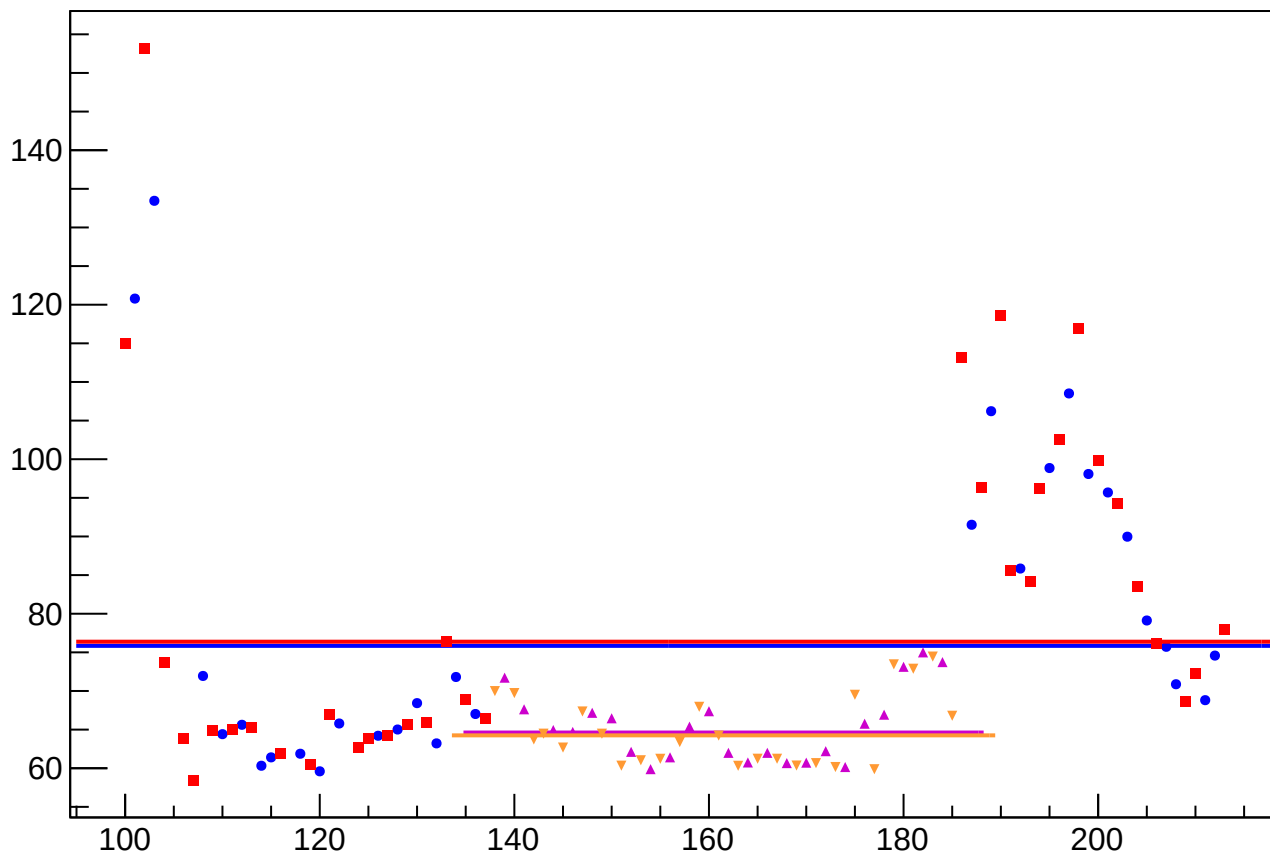
Left In: -93.236 ± 15.137 χ^2/NDF : 28.8/22

+ sign 34.961 ± 11.505 χ^2/NDF : 104.3/53

All: 2.063 ± 8.161 χ^2/NDF : 249.6/110

- sign -31.265 ± 11.580 χ^2/NDF : 128.9/56

reg_asym_sam7_rms vs Slug



Right In: 75.842 $\pm$ 0.013 χ^2 /NDF: 1331228.7/28

Left Out: 64.256 $\pm$ 0.010 χ^2 /NDF: 177697.9/24

Right Out: 76.380 $\pm$ 0.013 χ^2 /NDF: 1611850.8/33

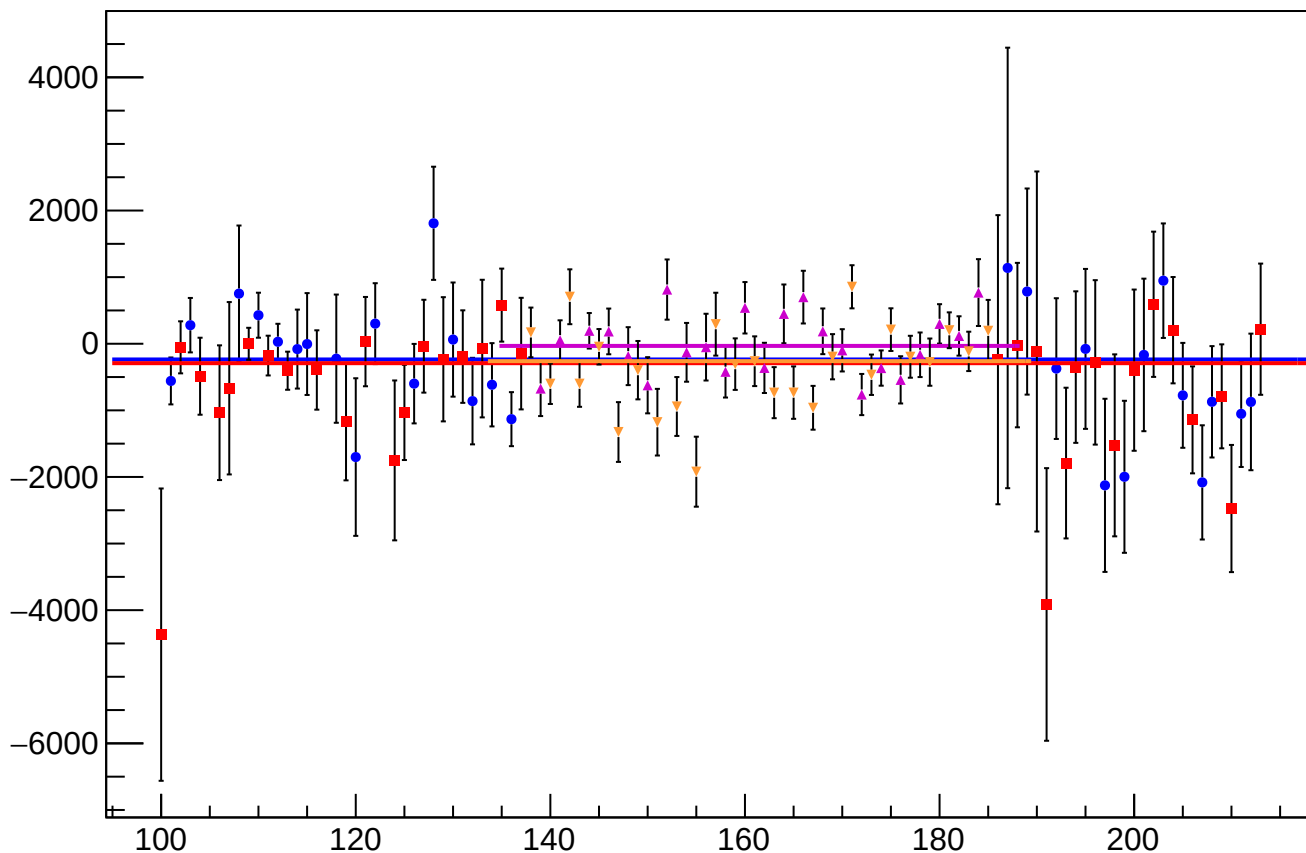
Left In: 64.621 $\pm$ 0.011 χ^2 /NDF: 147201.3/22

+ sign 68.689 $\pm$ 0.008 χ^2 /NDF: 1988096.2/53

All: 69.091 $\pm$ 0.006 χ^2 /NDF: 4252691.7/110

- sign 69.498 $\pm$ 0.008 χ^2 /NDF: 2259672.3/56

asym_sam7_reg_correction_mean vs Slug



Right In: -235.991 ± 115.022 χ^2/NDF : 37.3/28

Left Out: -261.124 ± 71.268 χ^2/NDF : 58.8/24

Right Out: -291.753 ± 108.795 χ^2/NDF : 26.7/33

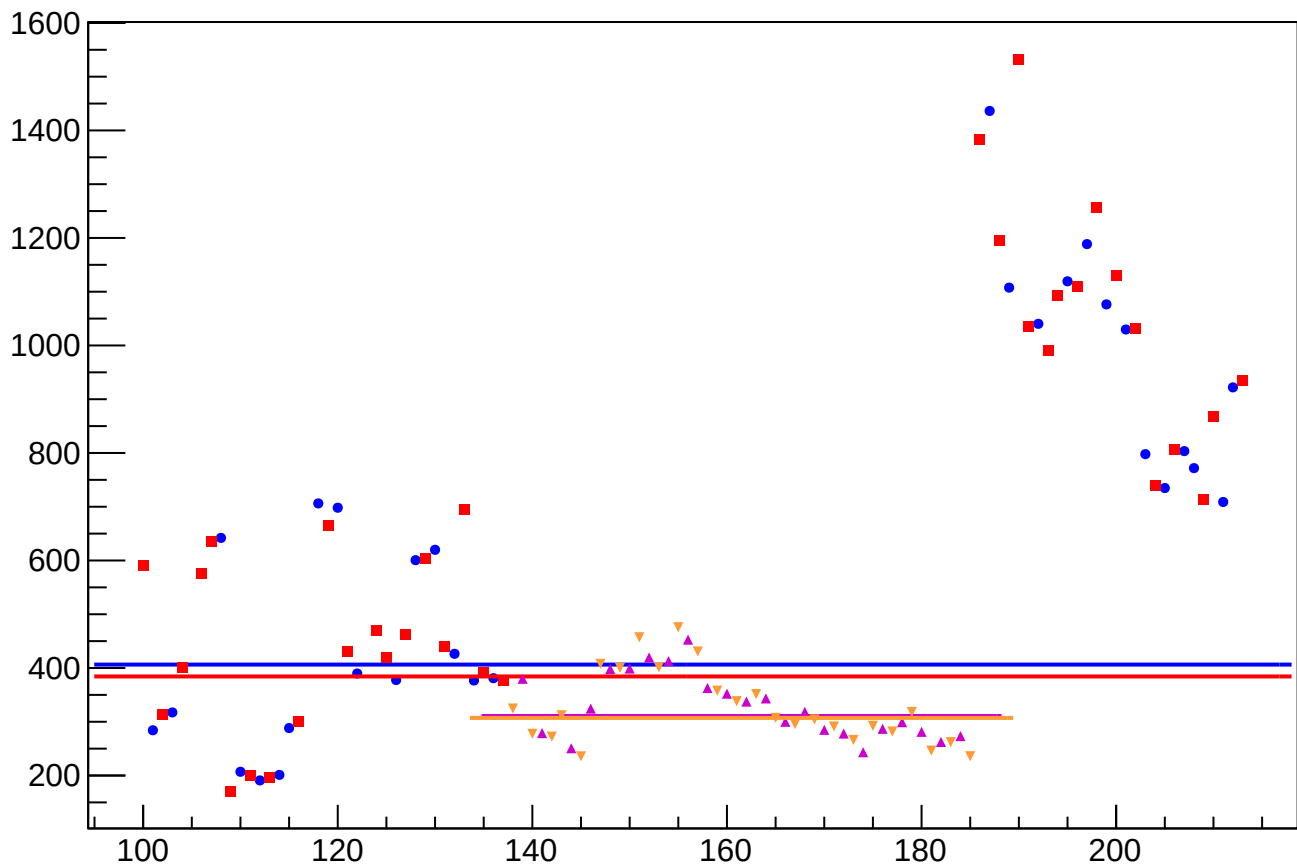
Left In: -32.423 ± 73.837 χ^2/NDF : 31.7/22

+ sign -254.151 ± 60.582 χ^2/NDF : 96.1/53

All: -184.768 ± 43.018 χ^2/NDF : 161.1/110

- sign -114.204 ± 61.095 χ^2/NDF : 62.3/56

asym_sam7_reg_correction_rms vs Slug



Right In: 406.349+/-0.081 χ^2/NDF : 9665153.3/28

Left Out: 307.143+/-0.050 χ^2/NDF :1320151.2/24

Right Out: 384.284+/-0.077 χ^2/NDF : 12659965.8/33

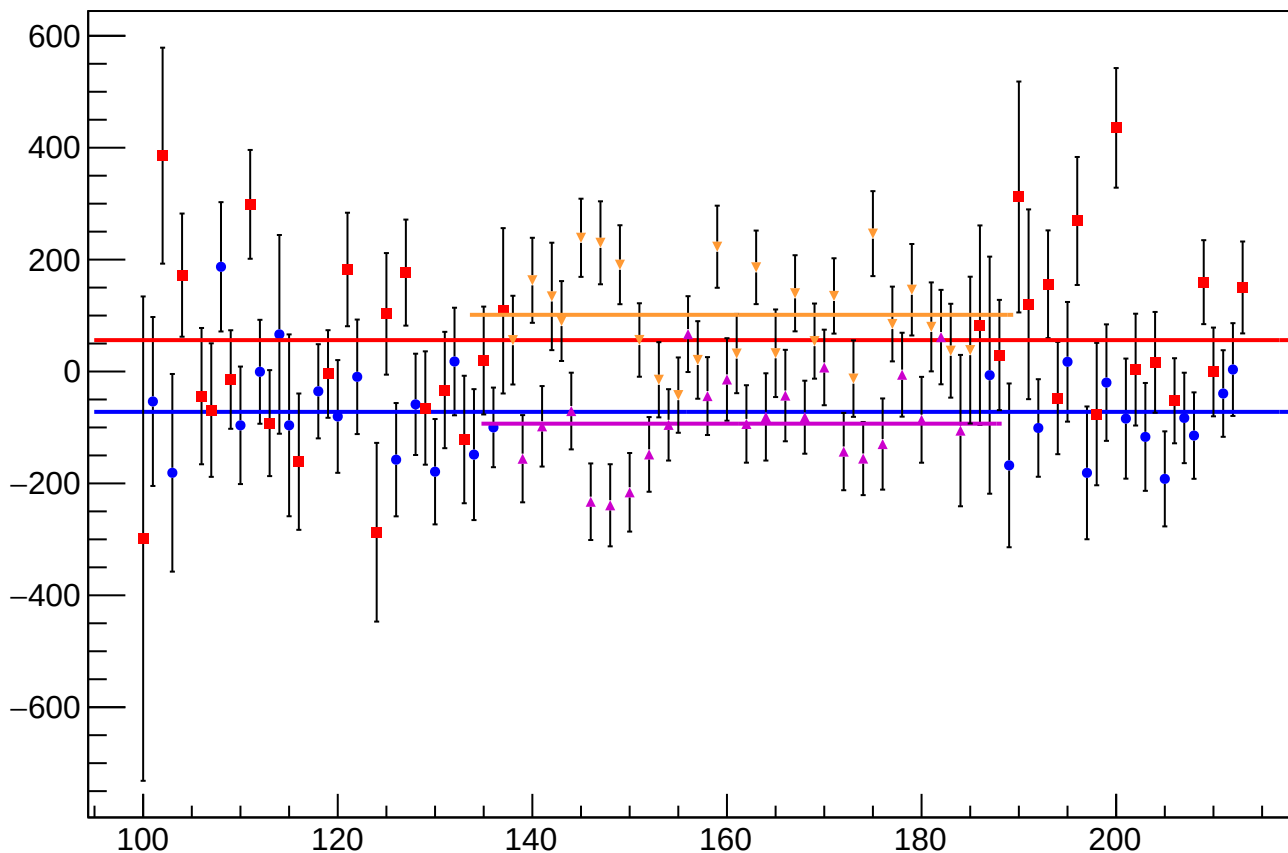
Left In: 310.697+/-0.052 χ^2/NDF :1079476.2/22

+ sign 334.664+/-0.043 χ^2/NDF : 12060371.5/53

All: 334.287+/-0.030 χ^2/NDF : 26426406.3/11

- sign 333.903+/-0.043 χ^2/NDF : 14365878.5/56

cor_asym_sam7_mean vs Slug



Right In: -72.135 ± 18.600 χ^2/NDF : 16.7/28

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 56.095 ± 17.994 χ^2/NDF : 59.7/33

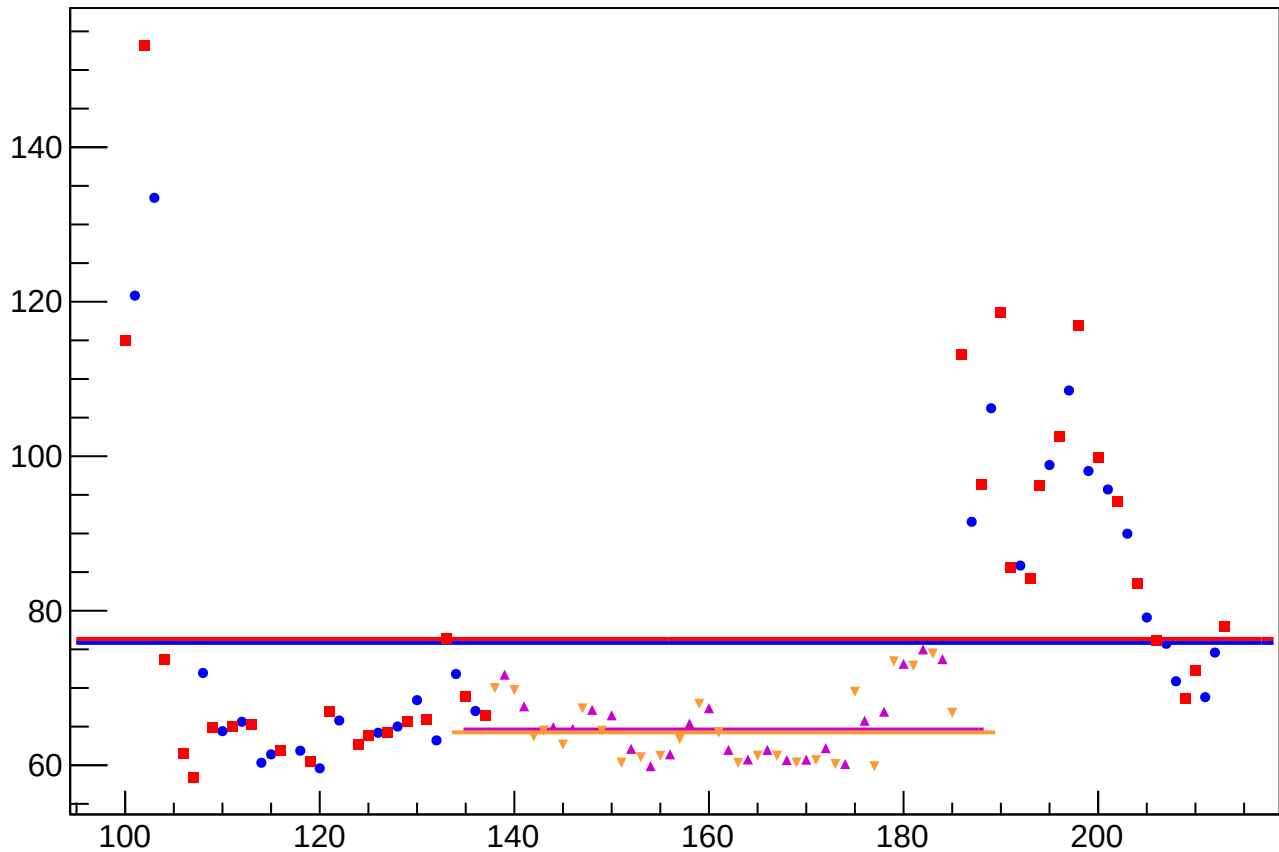
Left In: -93.235 ± 15.137 χ^2/NDF : 28.8/22

+ sign 34.960 ± 11.505 χ^2/NDF : 104.3/53

All: 2.029 ± 8.163 χ^2/NDF : 249.7/110

- sign -31.353 ± 11.583 χ^2/NDF : 128.9/56

cor_asym_sam7_rms vs Slug



Right In: 75.842 ± 0.013 χ^2/NDF : 1331229.0/28

Left Out: 64.256 ± 0.010 χ^2/NDF : 177697.9/24

Right Out: 76.348 ± 0.013 χ^2/NDF : 1619081.7/33

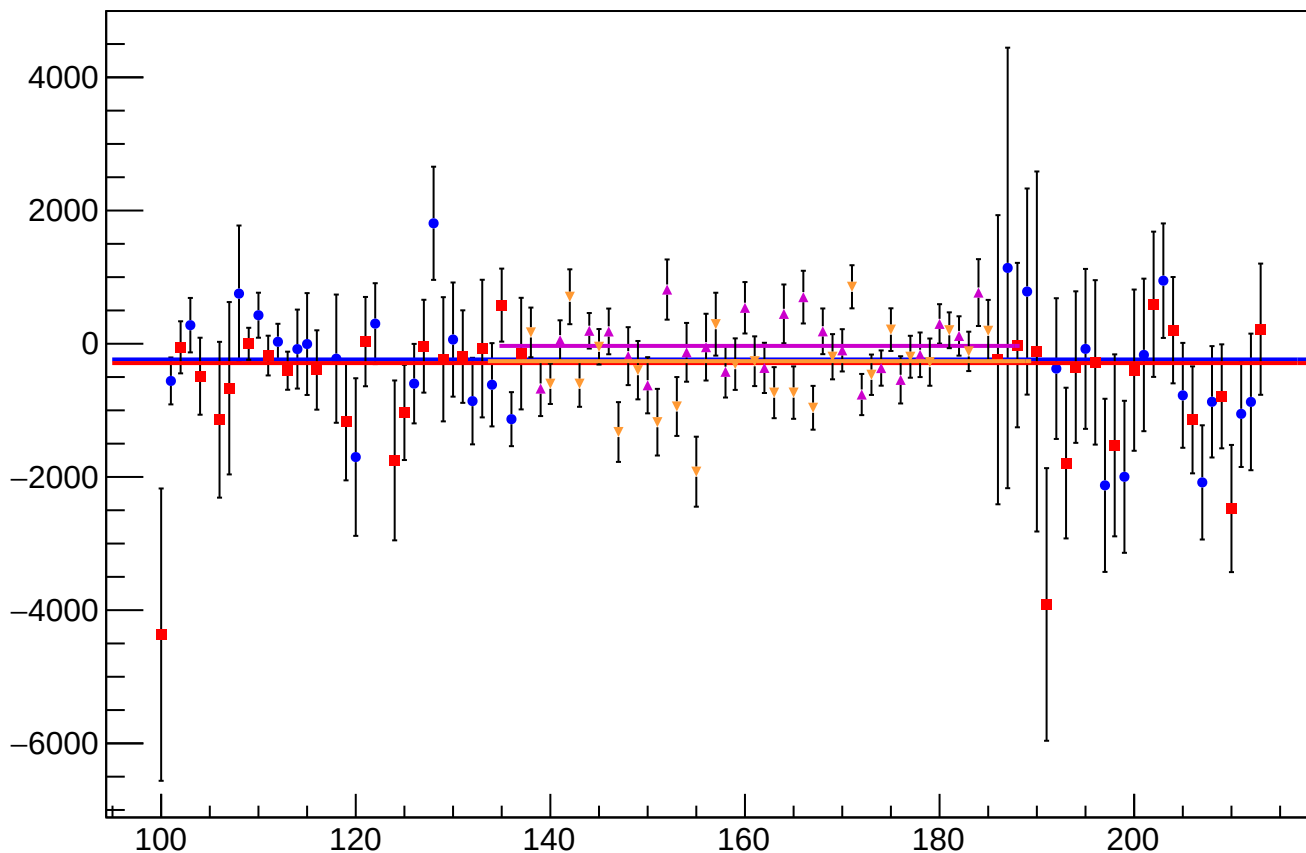
Left In: 64.621 ± 0.011 χ^2/NDF : 147201.3/22

+ sign 68.689 ± 0.008 χ^2/NDF : 1988096.5/53

All: 69.082 ± 0.006 χ^2/NDF : 4256506.3/110

- sign 69.481 ± 0.008 χ^2/NDF : 2263702.1/56

asym_sam7_cor_correction_mean vs Slug



Right In: -235.988 ± 115.022 χ^2/NDF : 37.3/28

Left Out: -261.124 ± 71.268 χ^2/NDF : 58.8/24

Right Out: -290.507 ± 108.958 χ^2/NDF : 26.7/33

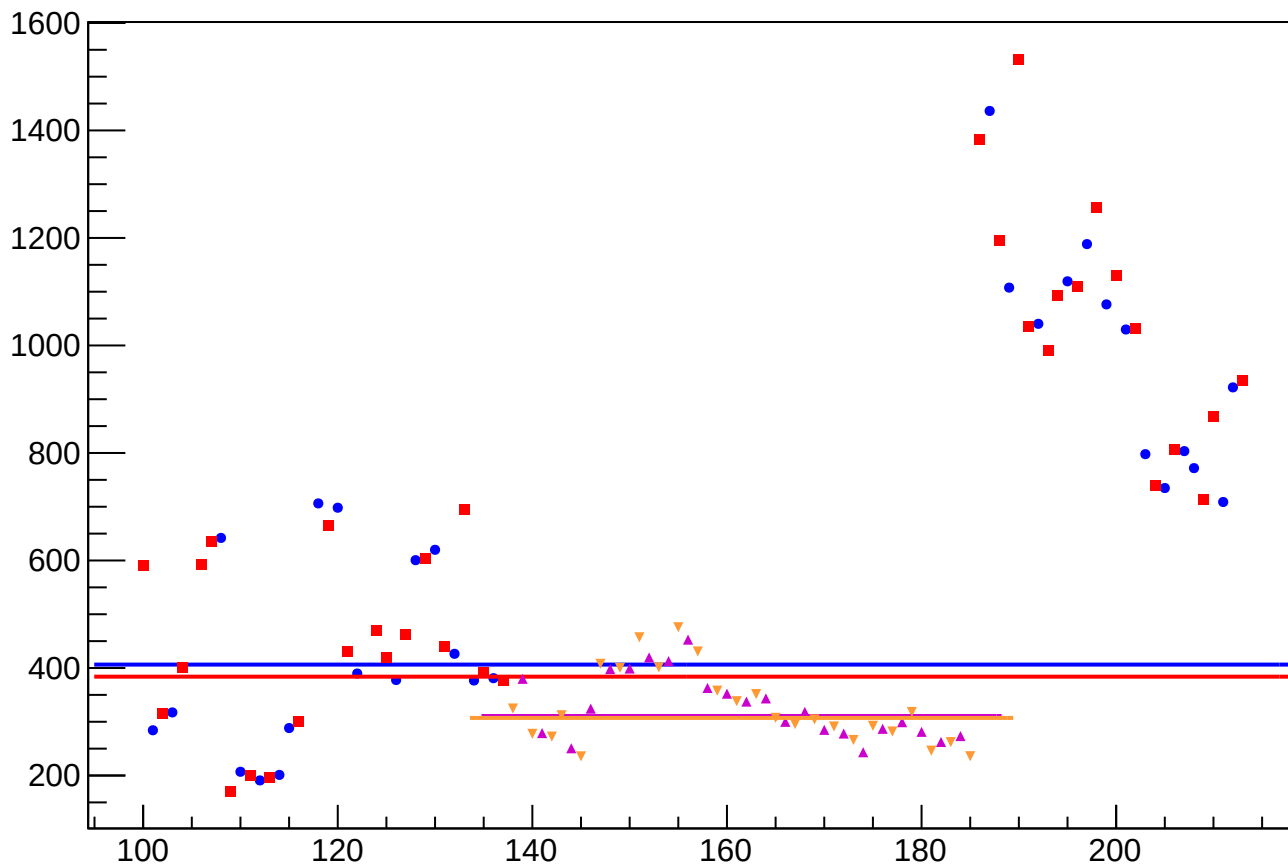
Left In: -32.420 ± 73.837 χ^2/NDF : 31.7/22

+ sign -254.151 ± 60.582 χ^2/NDF : 96.1/53

All: -184.523 ± 43.028 χ^2/NDF : 161.1/110

- sign -113.642 ± 61.124 χ^2/NDF : 62.3/56

asym_sam7_cor_correction_rms vs Slug



Right In: 406.352+/-0.081 χ^2/NDF : 9665095.2/28

Left Out: 307.143+/-0.050 χ^2/NDF : 1320147.4/24

Right Out: 383.897+/-0.077 χ^2/NDF : 12652097.4/33

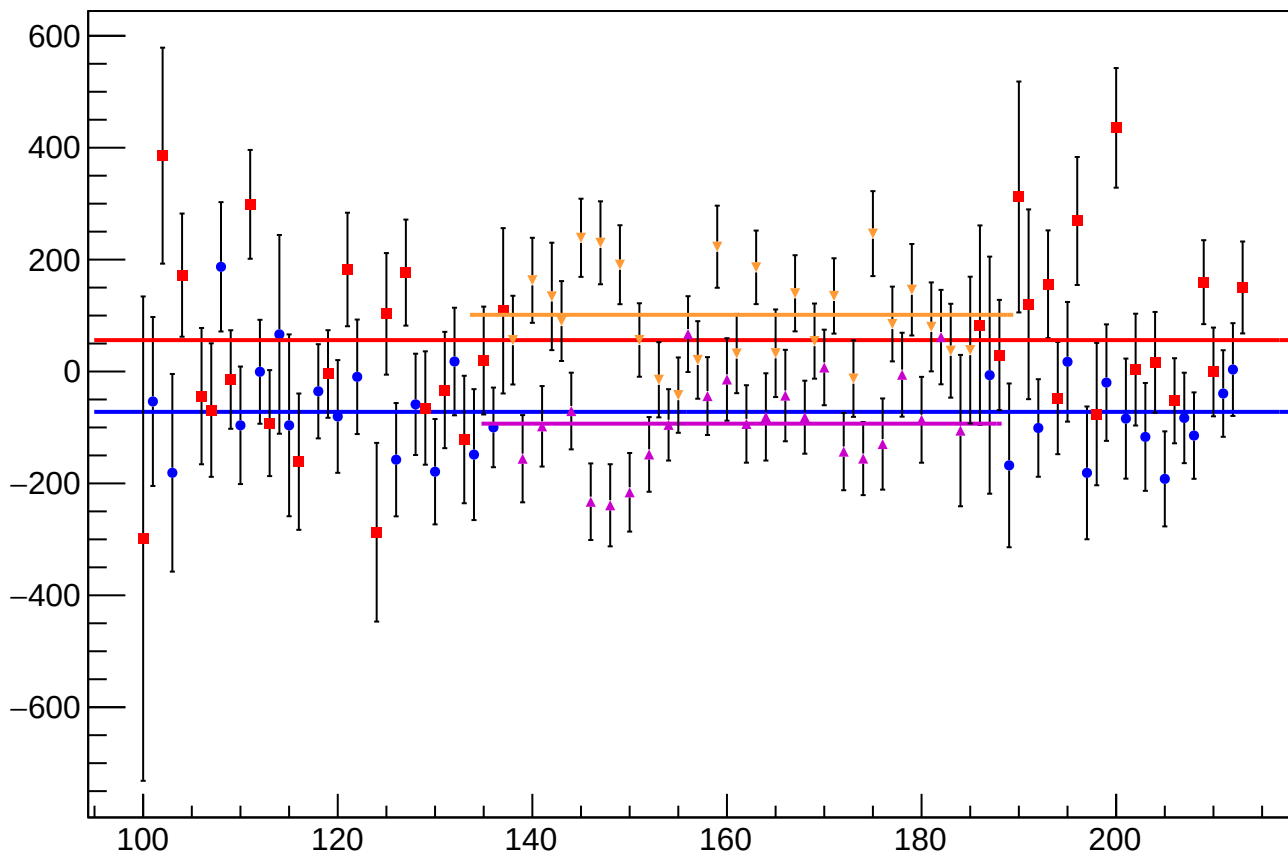
Left In: 310.698+/-0.052 χ^2/NDF : 1079479.8/22

+ sign 334.664+/-0.043 χ^2/NDF : 12060360.3/53

All: 334.203+/-0.030 χ^2/NDF : 26410763.6/11

- sign 333.734+/-0.043 χ^2/NDF : 14350169.6/56

eigen_cor_asym_sam7_mean vs Slug



Right In: -72.135 ± 18.600 χ^2/NDF : 16.7/28

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 56.095 ± 17.994 χ^2/NDF : 59.7/33

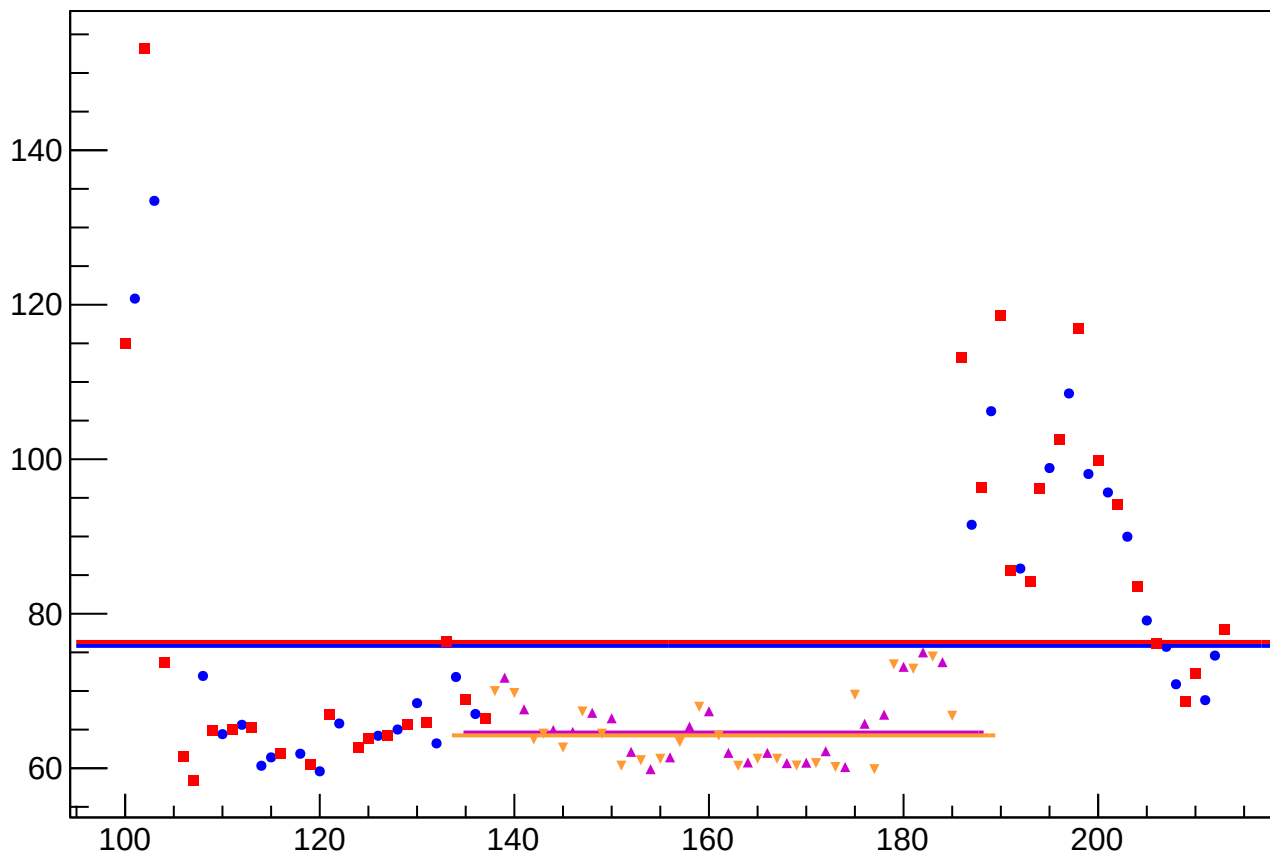
Left In: -93.235 ± 15.137 χ^2/NDF : 28.8/22

+ sign 34.960 ± 11.505 χ^2/NDF : 104.3/53

All: 2.029 ± 8.163 χ^2/NDF : 249.7/110

- sign -31.353 ± 11.583 χ^2/NDF : 128.9/56

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.842 ± 0.013 χ^2/NDF : 1331229.0/28

Left Out: 64.256 ± 0.010 χ^2/NDF : 177697.9/24

Right Out: 76.348 ± 0.013 χ^2/NDF : 1619081.7/33

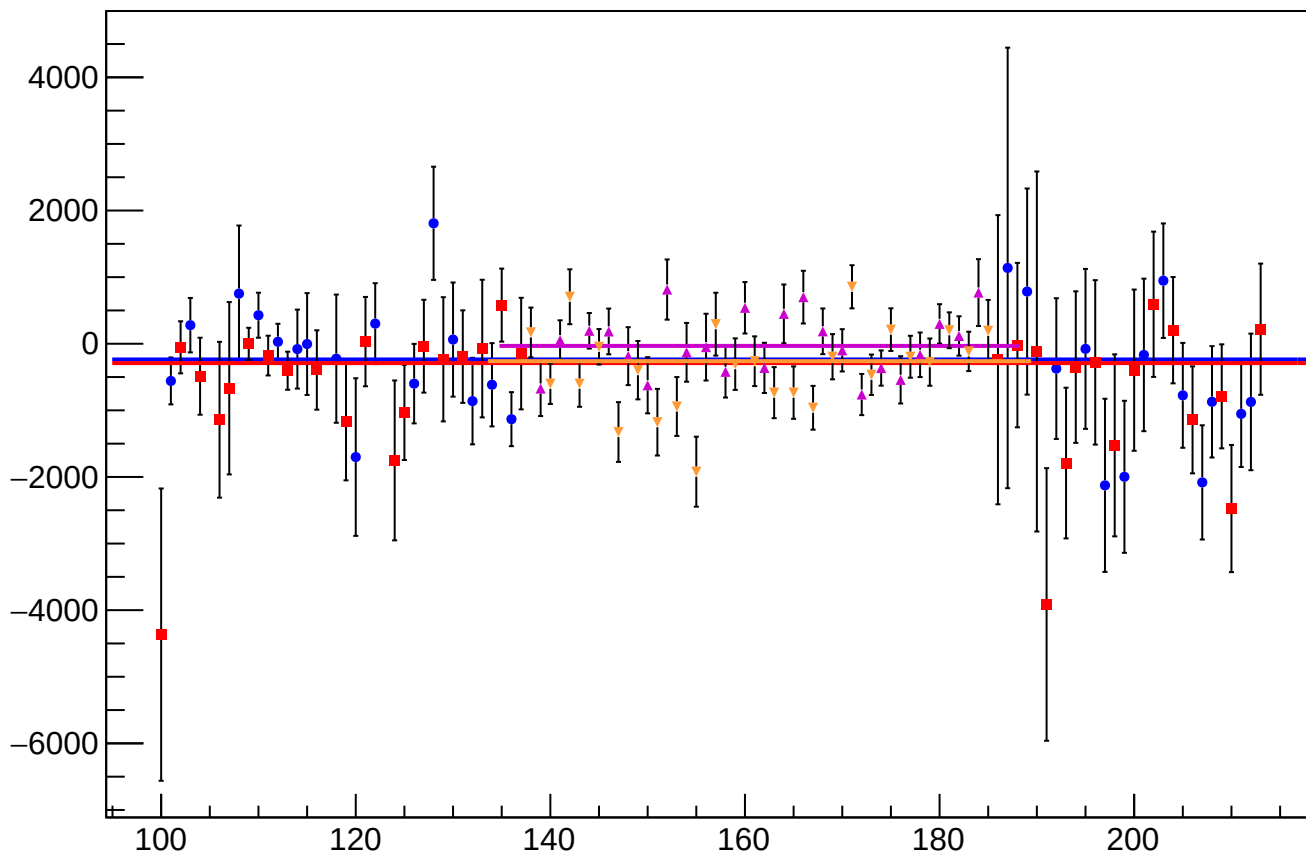
Left In: 64.621 ± 0.011 χ^2/NDF : 147201.3/22

+ sign 68.689 ± 0.008 χ^2/NDF : 1988096.5/53

All: 69.082 ± 0.006 χ^2/NDF : 4256506.3/110

- sign 69.481 ± 0.008 χ^2/NDF : 2263702.1/56

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -235.988+/-115.022 χ^2/NDF : 37.3/28

Left Out: -261.124+/-71.268 χ^2/NDF : 58.8/24

Right Out: -290.507+/-108.958 χ^2/NDF : 26.7/33

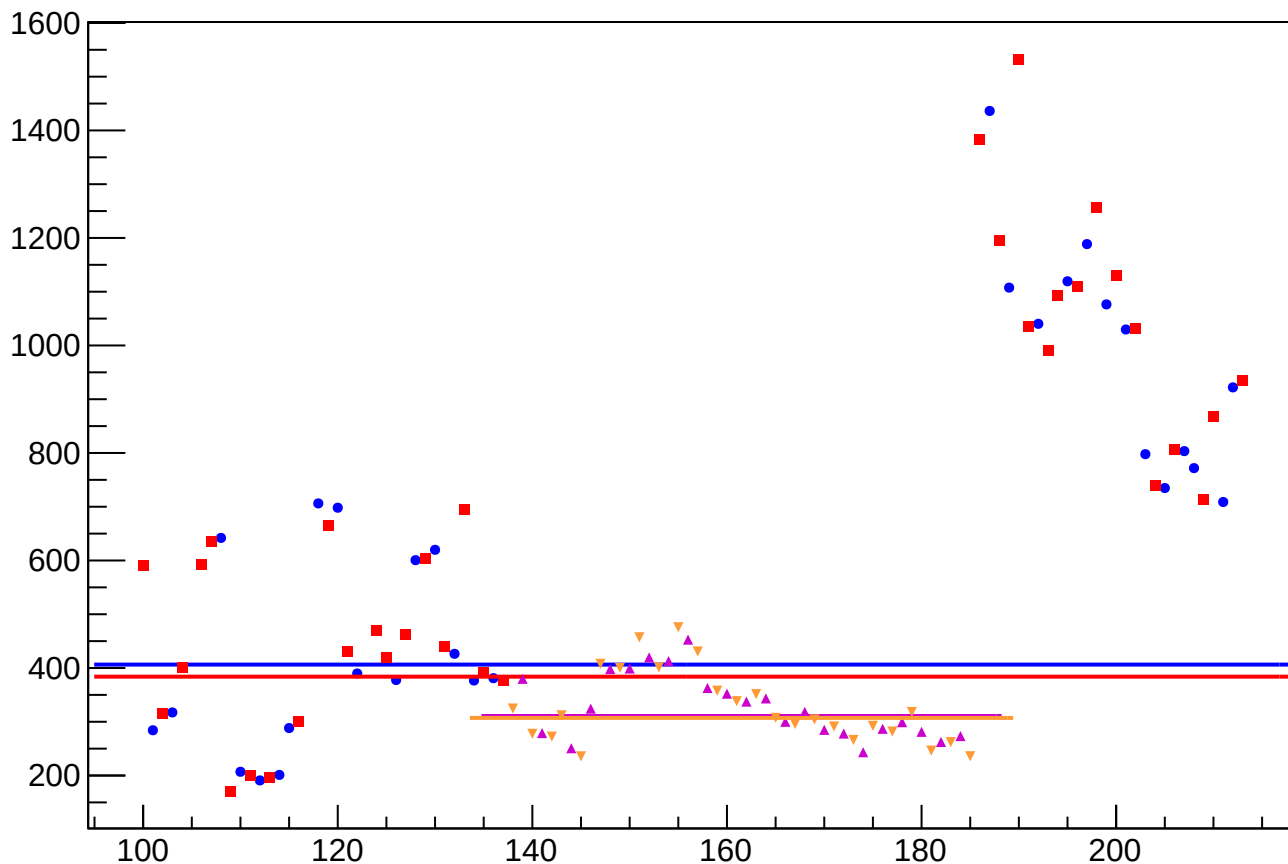
Left In: -32.420+/-73.837 χ^2/NDF : 31.7/22

+ sign -254.151+/-60.582 χ^2/NDF : 96.1/53

All: -184.523+/-43.028 χ^2/NDF : 161.1/110

- sign -113.642+/-61.124 χ^2/NDF : 62.3/56

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 406.352 $\pm$ 0.081 χ^2/NDF : 9665095.2/28

Left Out: 307.143 $\pm$ 0.050 χ^2/NDF : 1320147.4/24

Right Out: 383.897 $\pm$ 0.077 χ^2/NDF : 12652097.4/33

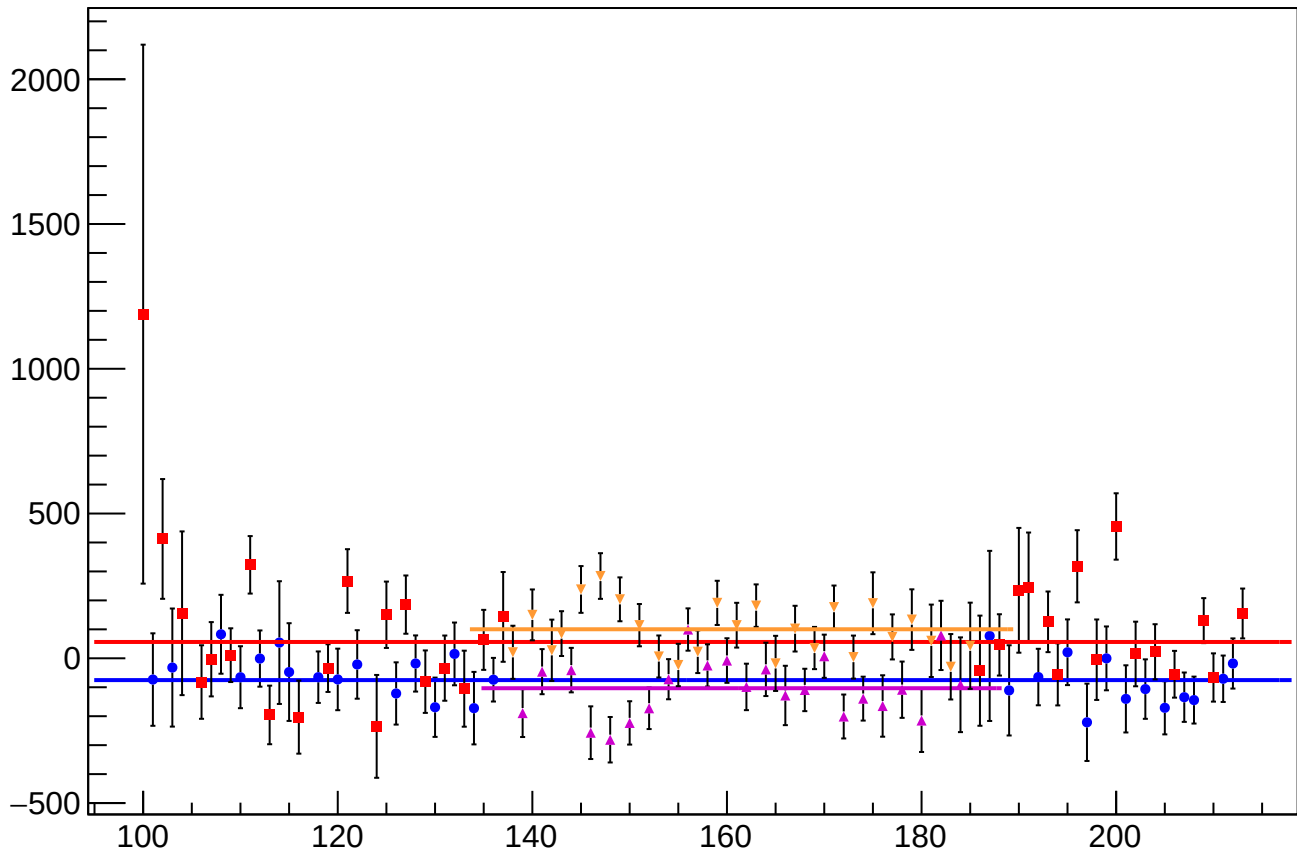
Left In: 310.698 $\pm$ 0.052 χ^2/NDF : 1079479.8/22

+ sign 334.664 $\pm$ 0.043 χ^2/NDF : 12060360.3/53

All: 334.203 $\pm$ 0.030 χ^2/NDF : 26410763.6/11

- sign 333.734 $\pm$ 0.043 χ^2/NDF : 14350169.6/56

dit_asym_sam7_mean vs Slug



Right In: -75.300 ± 19.968 χ^2/NDF : 11.1/28

Left Out: 100.277 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 56.397 ± 19.399 χ^2/NDF : 64.6/33

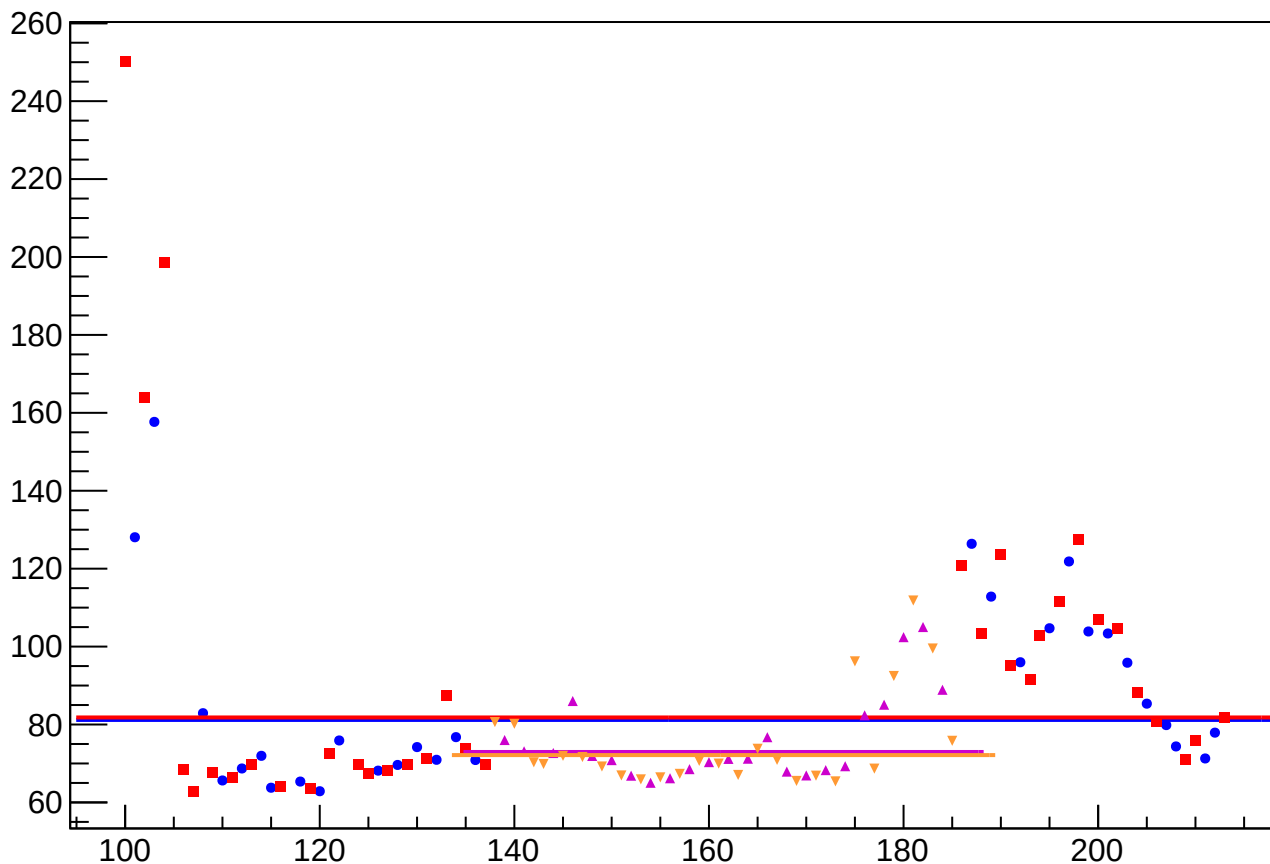
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 28.393 ± 12.776 χ^2/NDF : 84.5/53

All: -1.906 ± 9.076 χ^2/NDF : 231.0/110

- sign -32.770 ± 12.895 χ^2/NDF : 135.1/56

dit_asym_sam7_rms vs Slug



Right In: 81.175+/-0.014 χ^2/NDF : 1503867.4/28

Left Out: 72.150+/-0.012 χ^2/NDF : 641970.1/24

Right Out: 81.809+/-0.014 χ^2/NDF : 2126945.6/33

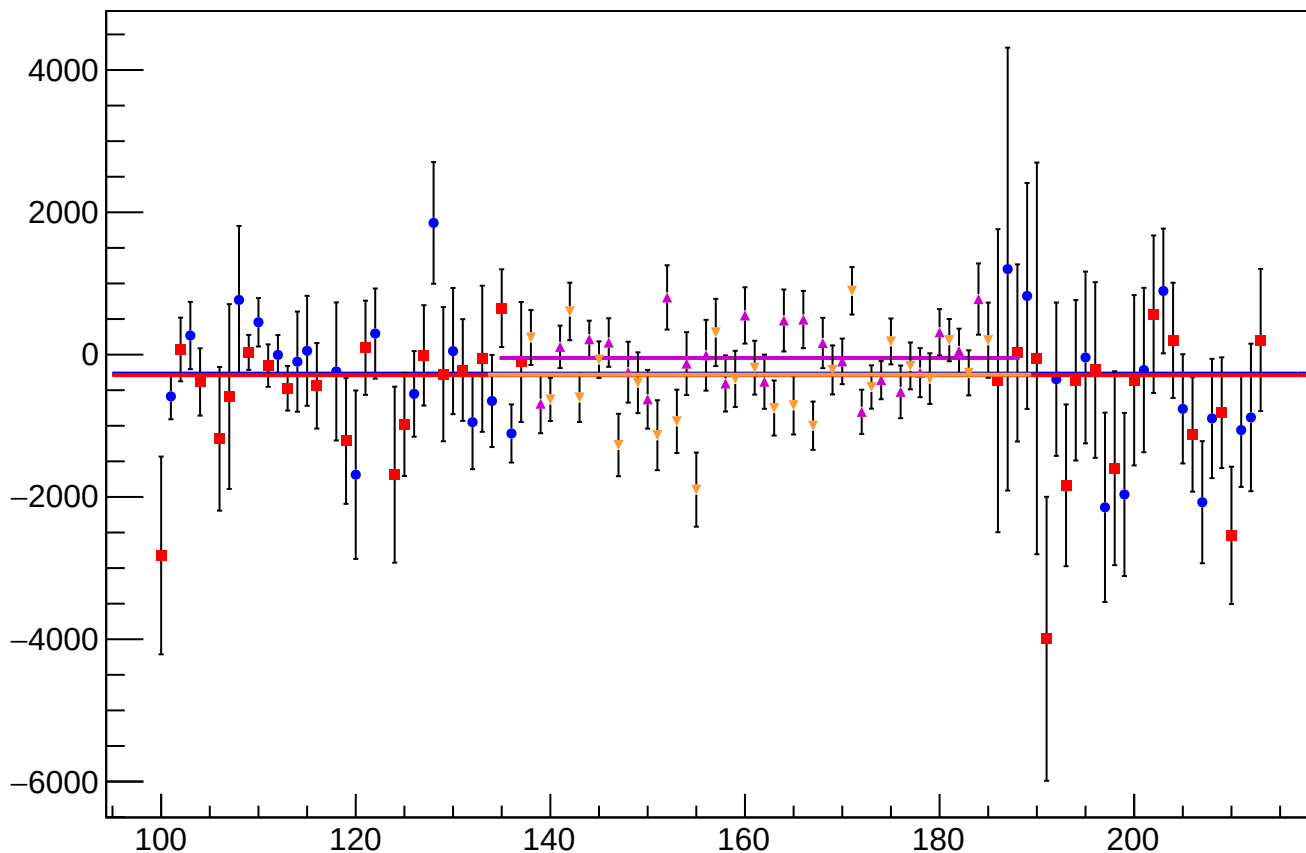
Left In: 72.948+/-0.012 χ^2/NDF : 509028.0/22

+ sign 75.845+/-0.009 χ^2/NDF : 2387144.1/53

All: 76.349+/-0.006 χ^2/NDF : 5262304.3/110

- sign 76.863+/-0.009 χ^2/NDF : 2868860.8/56

asym_sam7_dit_correction_mean vs Slug



Right In: -266.815 ± 117.023 χ^2/NDF : 36.7/28

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -288.119 ± 110.686 χ^2/NDF : 28.5/33

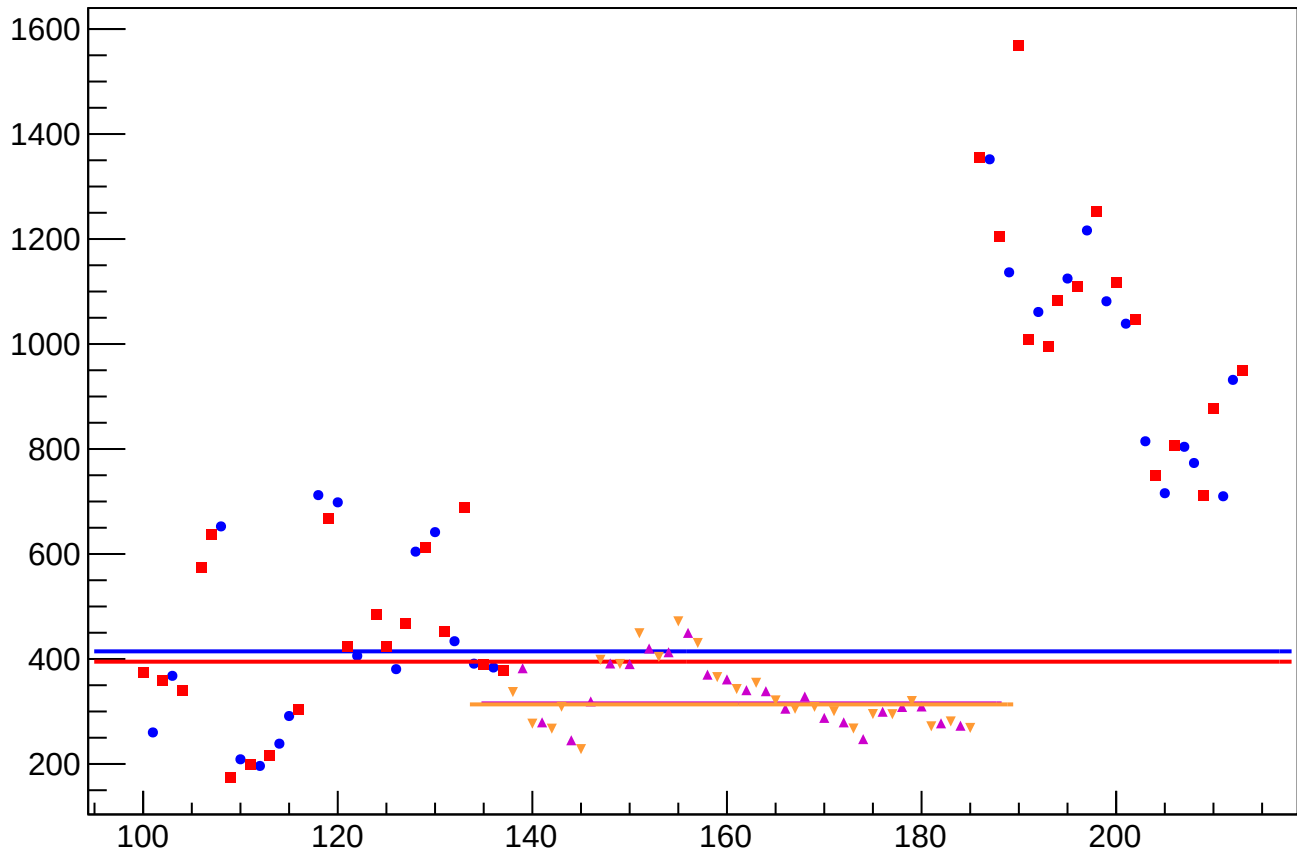
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -277.211 ± 61.654 χ^2/NDF : 93.5/53

All: -200.293 ± 43.728 χ^2/NDF : 159.2/110

- sign -122.432 ± 62.031 χ^2/NDF : 62.5/56

asym_sam7_dit_correction_rms vs Slug



Right In: 414.539+/-0.083 χ^2/NDF : 9544258.3/28

Left Out: 313.500+/-0.051 χ^2/NDF : 1175529.4/24

+ sign 341.546+/-0.044 χ^2/NDF : 11796878.3/53

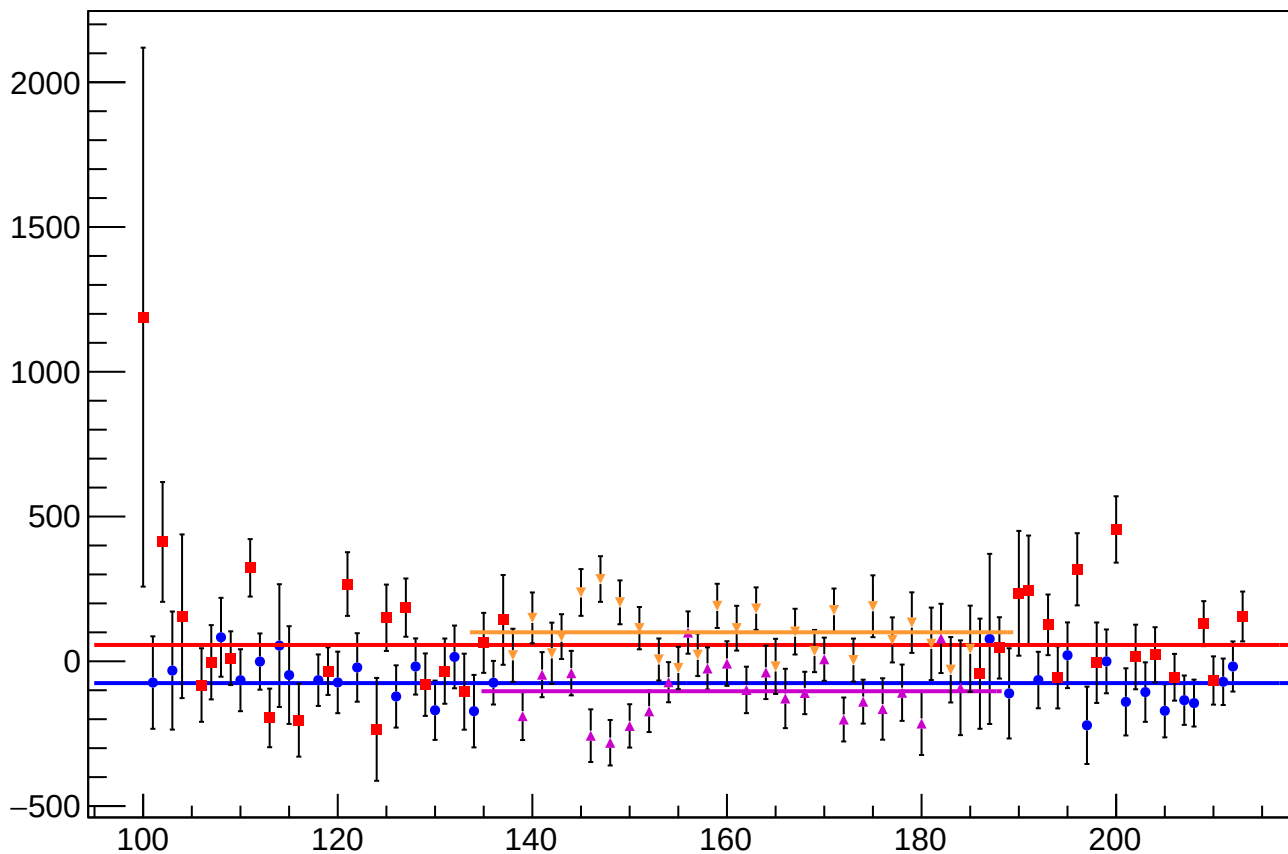
Right Out: 394.864+/-0.078 χ^2/NDF : 12219388.5/33

All: 340.974+/-0.031 χ^2/NDF : 25731231.9/11

Left In: 315.455+/-0.053 χ^2/NDF : 1008523.1/22

- sign 340.395+/-0.044 χ^2/NDF : 13934007.5/56

eigen_dit_asym_sam7_mean vs Slug



Right In: -75.299 ± 19.968 χ^2/NDF : 11.1/28

Left Out: 100.276 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 56.398 ± 19.399 χ^2/NDF : 64.6/33

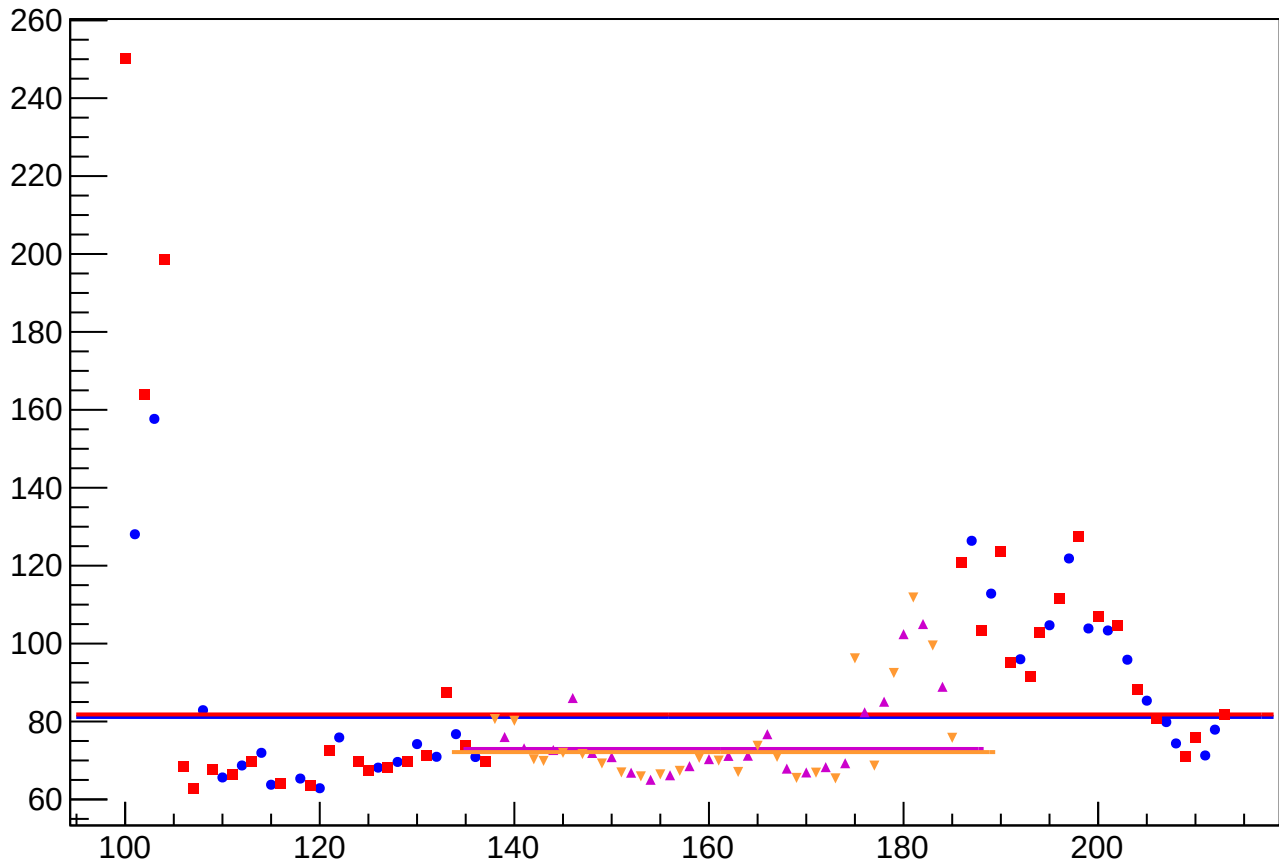
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 28.393 ± 12.776 χ^2/NDF : 84.5/53

All: -1.905 ± 9.076 χ^2/NDF : 231.0/110

- sign -32.770 ± 12.895 χ^2/NDF : 135.1/56

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.175 ± 0.014 χ^2/NDF : 1503874.7/28

Left Out: 72.150 ± 0.012 χ^2/NDF : 641967.4/24

Right Out: 81.809 ± 0.014 χ^2/NDF : 2126947.0/33

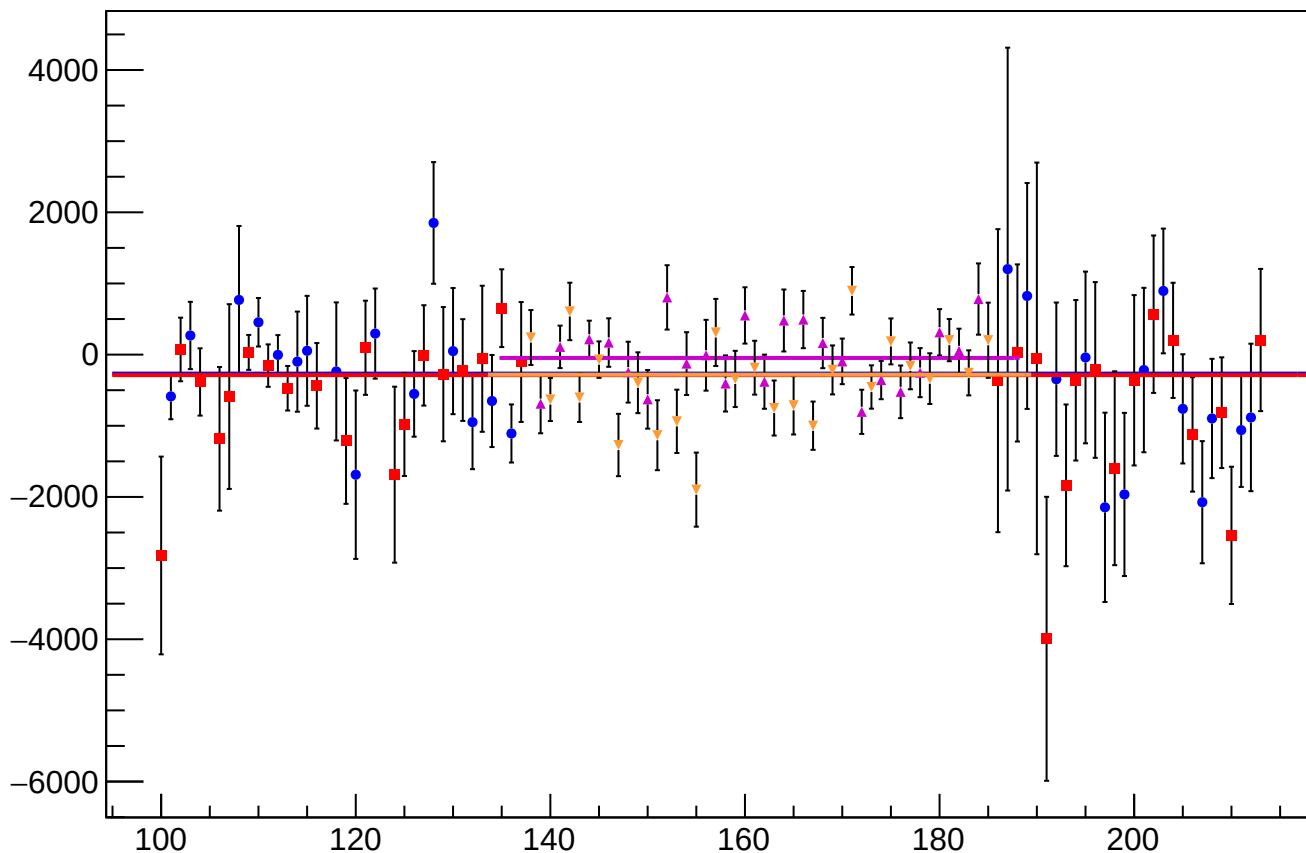
Left In: 72.948 ± 0.012 χ^2/NDF : 509028.7/22

+ sign 75.845 ± 0.009 χ^2/NDF : 2387143.6/53

All: 76.349 ± 0.006 χ^2/NDF : 5262301.0/110

- sign 76.863 ± 0.009 χ^2/NDF : 2868857.9/56

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -266.812 ± 117.023 χ^2/NDF : 36.7/28

Left Out: -281.205 ± 72.538 χ^2/NDF : 56.8/24

Right Out: -288.118 ± 110.686 χ^2/NDF : 28.5/33

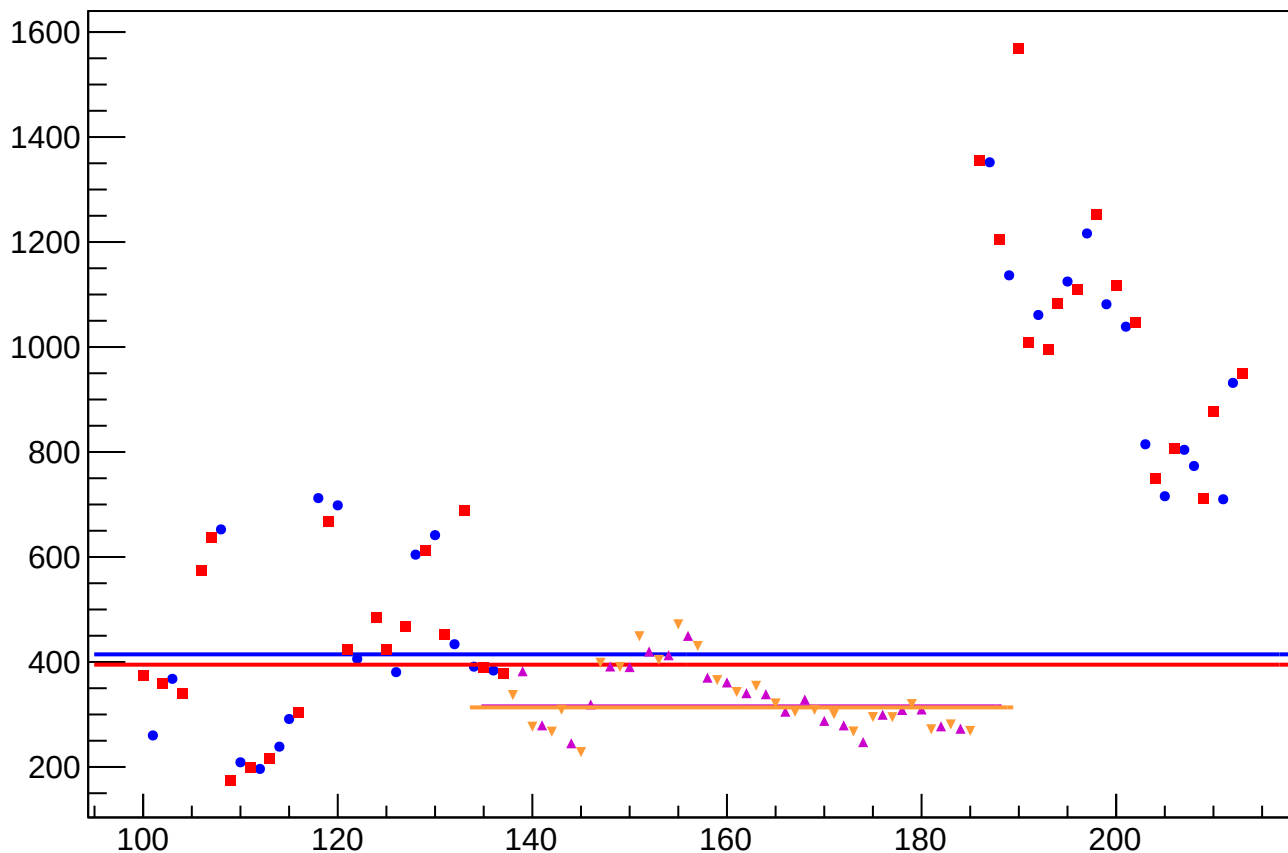
Left In: -46.569 ± 74.897 χ^2/NDF : 30.7/22

+ sign -277.210 ± 61.654 χ^2/NDF : 93.5/53

All: -200.292 ± 43.728 χ^2/NDF : 159.2/110

- sign -122.432 ± 62.031 χ^2/NDF : 62.5/56

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 414.536+/-0.083 χ^2/NDF : 9544361.4/28

Left Out: 313.500+/-0.051 χ^2/NDF : 1175534.8/24

Right Out: 394.862+/-0.078 χ^2/NDF : 12219453.0/33

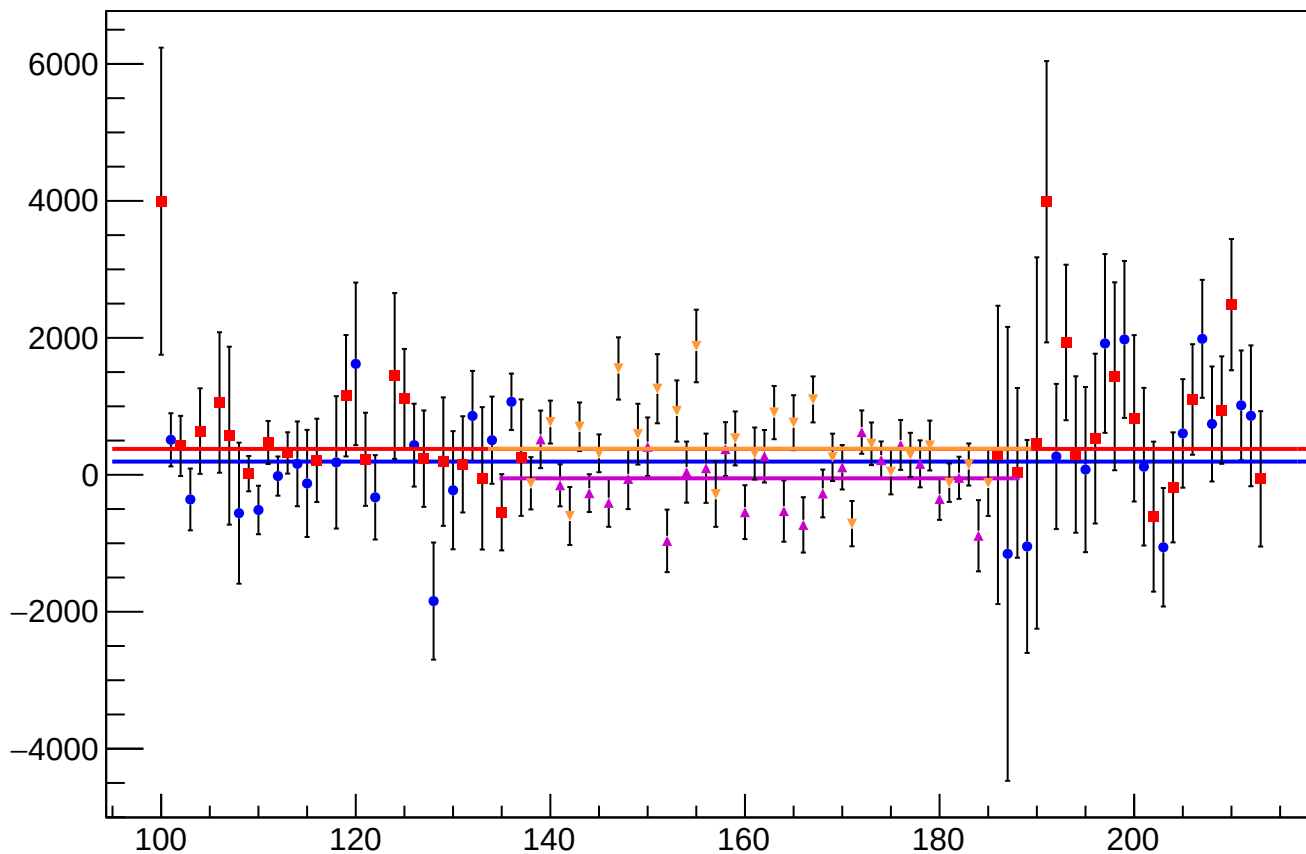
Left In: 315.456+/-0.053 χ^2/NDF : 1008521.8/22

+ sign 341.545+/-0.044 χ^2/NDF : 11796929.1/53

All: 340.973+/-0.031 χ^2/NDF : 25731309.0/11

- sign 340.395+/-0.044 χ^2/NDF : 13934033.9/56

asym_sam7_mean vs Slug



Right In: 193.016 ± 119.662 $\chi^2/\text{NDF}: 35.0/28$

Left Out: 380.624 ± 73.057 $\chi^2/\text{NDF}: 55.4/24$

Right Out: 377.754 ± 113.653 $\chi^2/\text{NDF}: 24.6/33$

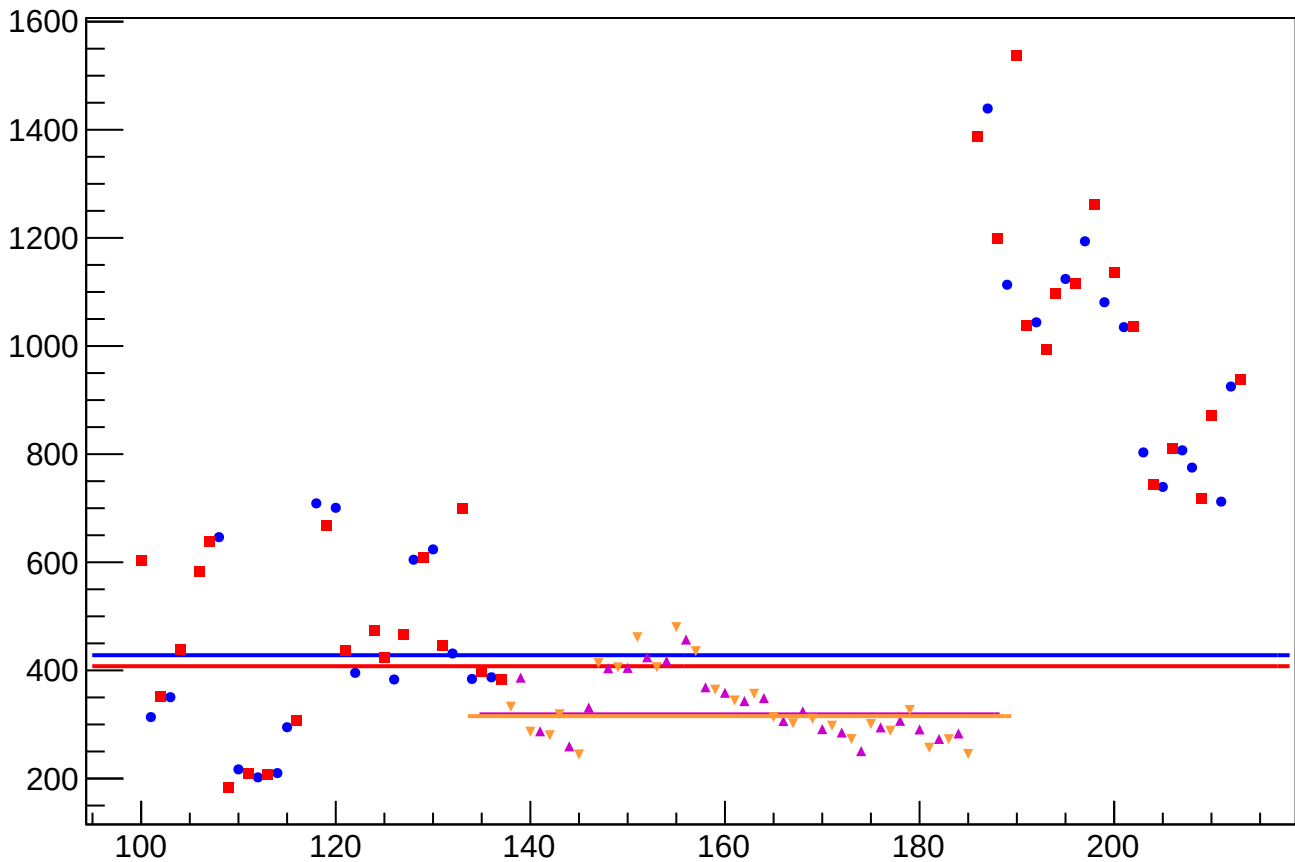
Left In: -51.474 ± 75.629 $\chi^2/\text{NDF}: 28.2/22$

+ sign 329.682 ± 62.354 $\chi^2/\text{NDF}: 92.2/53$

All: 206.183 ± 44.305 $\chi^2/\text{NDF}: 162.8/110$

- sign 80.260 ± 62.963 $\chi^2/\text{NDF}: 62.7/56$

asym_sam7_rms vs Slug



Right In: 428.094+/-0.085 χ^2/NDF : 9037099.1/28

Left Out: 315.396+/-0.052 χ^2/NDF : 1210106.0/24

+ sign 345.997+/-0.044 χ^2/NDF : 11539506.5/53

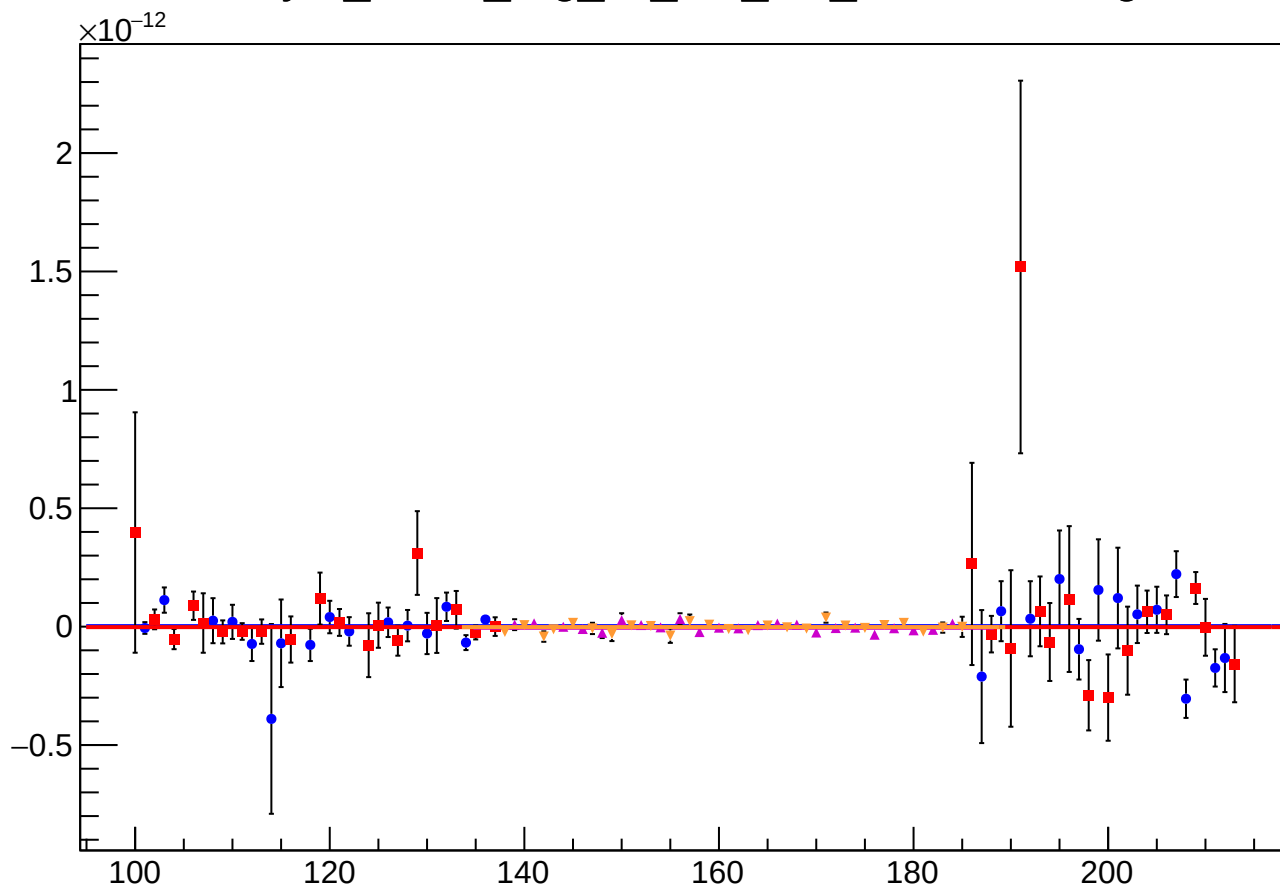
Right Out: 407.778+/-0.080 χ^2/NDF : 11900370.5/33

All: 346.013+/-0.031 χ^2/NDF : 25283230.3/11

Left In: 318.688+/-0.053 χ^2/NDF : 991604.7/22

- sign 346.031+/-0.045 χ^2/NDF : 13743723.5/56

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 47.2/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.3/33

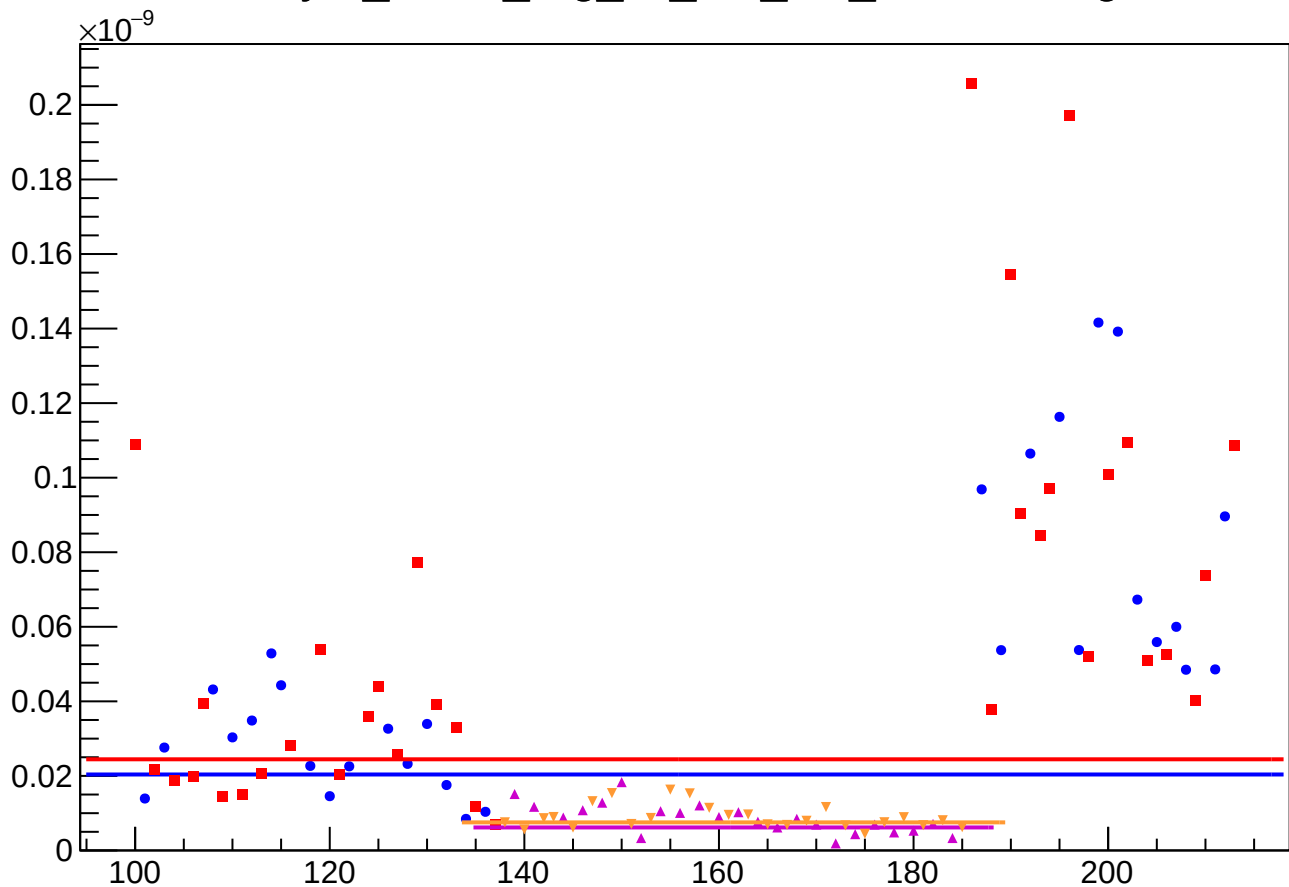
Left In: -0.000 ± 0.000 χ^2/NDF : 17.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 66.3/53

All: -0.000 ± 0.000 χ^2/NDF : 116.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 50.0/56

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6114680.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1208953.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5979761.3/33

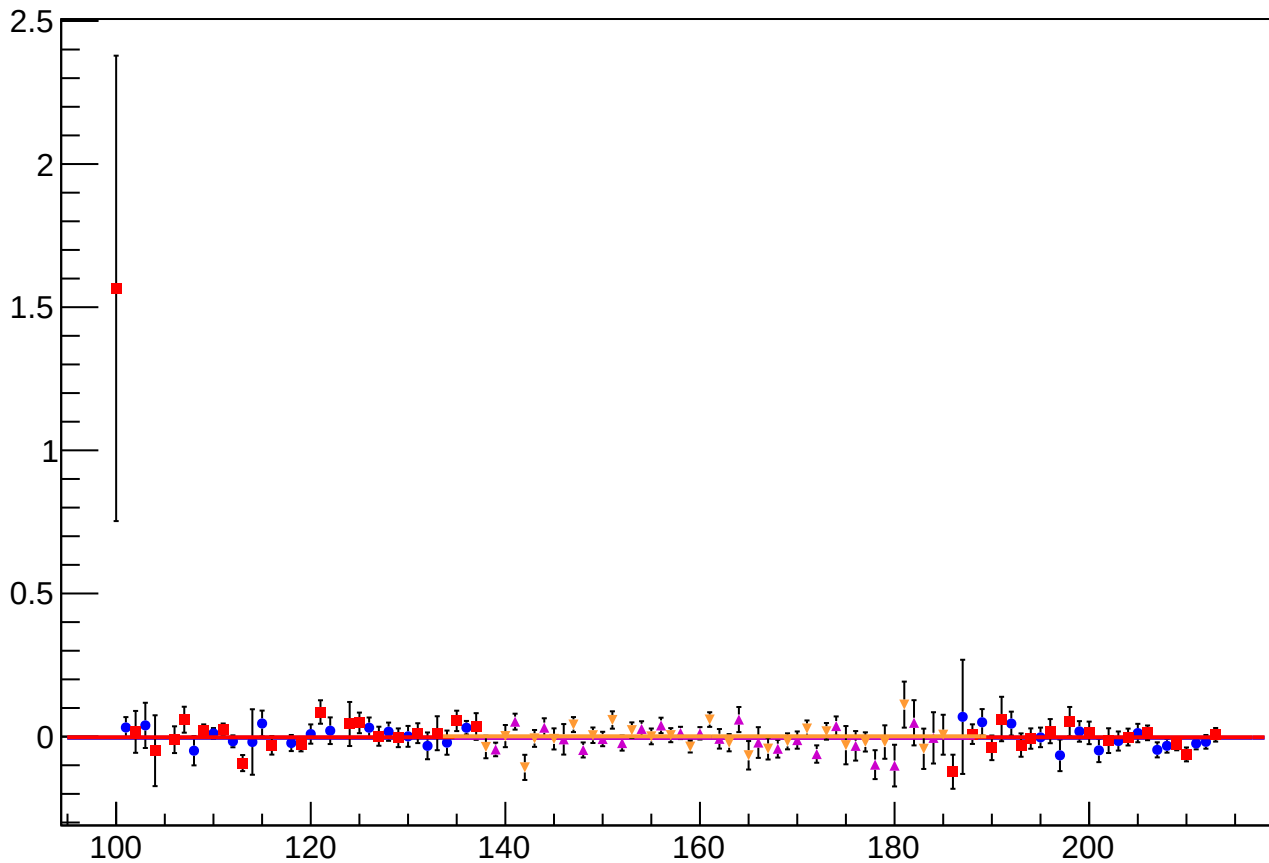
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :2784673.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10101136.9/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 23510389.6/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 13196986.6/56

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 20.7/28

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.002 ± 0.006 χ^2/NDF : 47.1/33

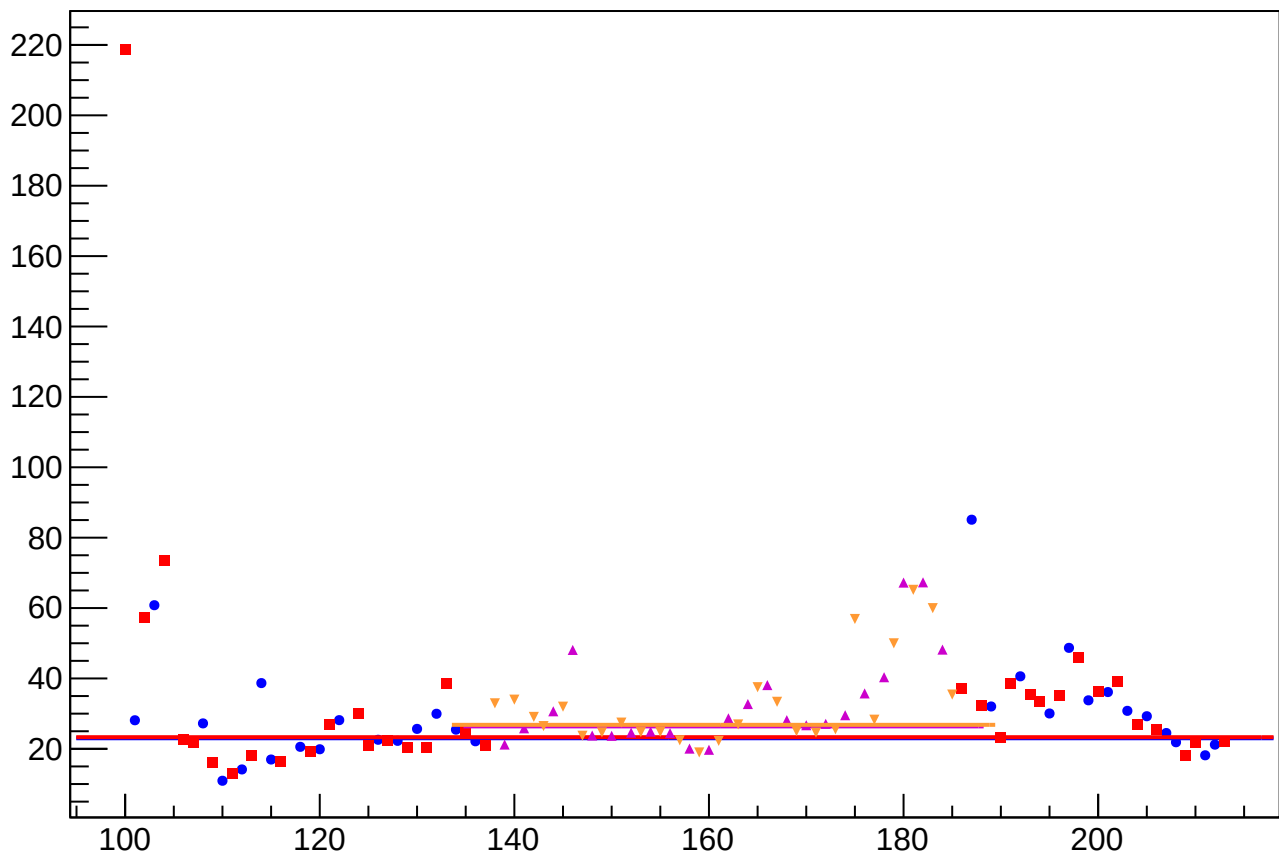
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.002 ± 0.004 χ^2/NDF : 51.3/53

All: -0.002 ± 0.003 χ^2/NDF : 129.6/110

- sign -0.003 ± 0.004 χ^2/NDF : 78.3/56

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.008 $\pm$ 0.004 χ^2 /NDF: 3759491.4/28

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 23.308 $\pm$ 0.004 χ^2 /NDF: 3958804.9/33

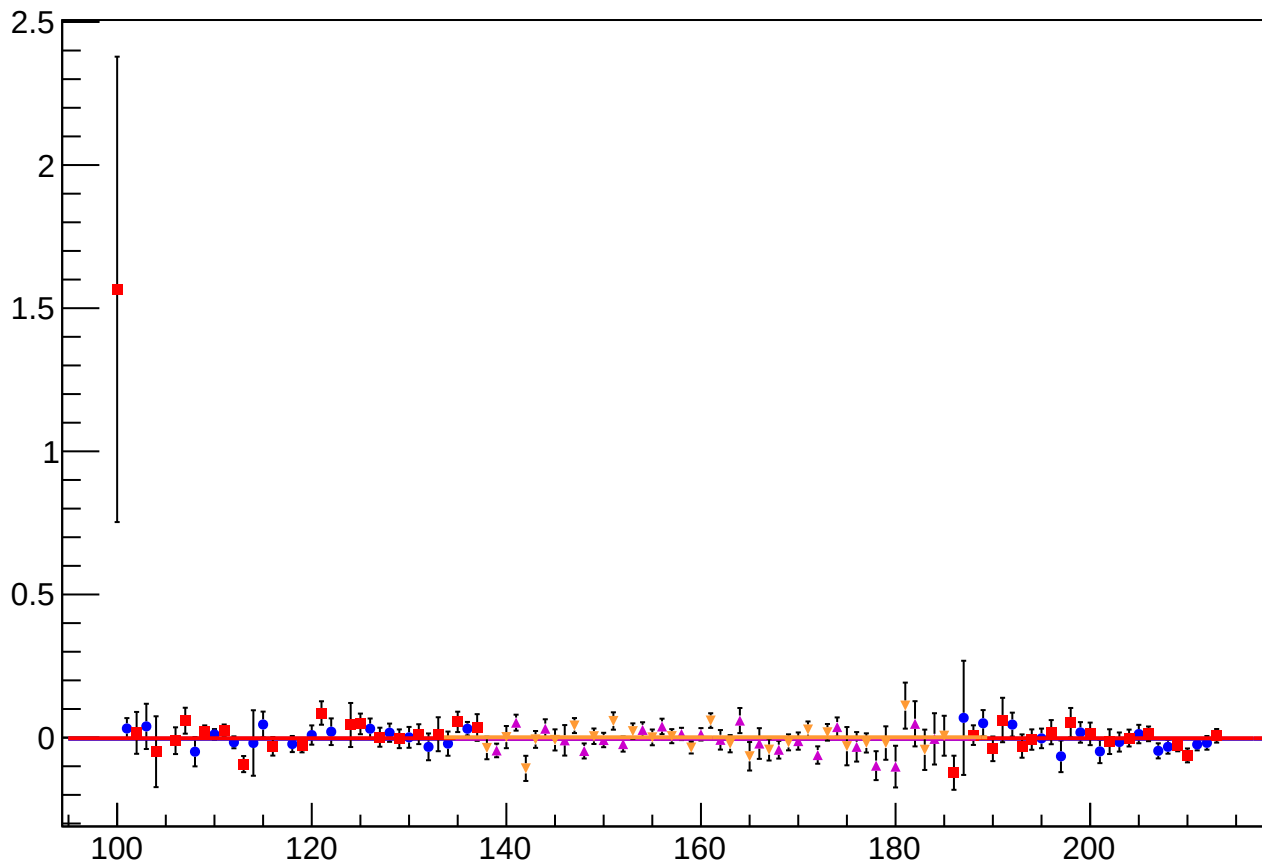
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 24.763 $\pm$ 0.003 χ^2 /NDF: 6601240.1/53

All: 24.709 $\pm$ 0.002 χ^2 /NDF: 13369244.0/110

- sign 24.655 $\pm$ 0.003 χ^2 /NDF: 6767404.0/56

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 20.7/28

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.002 ± 0.006 χ^2/NDF : 47.1/33

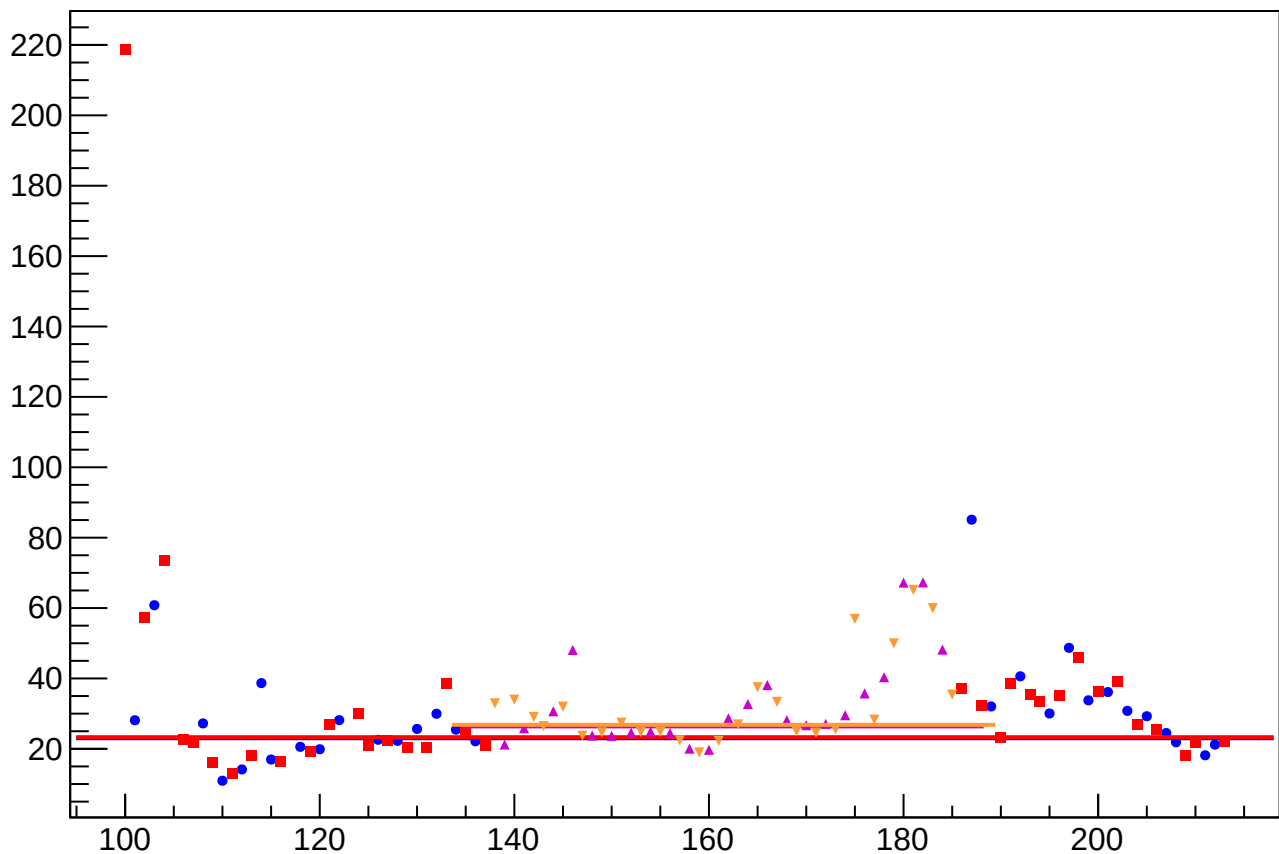
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.002 ± 0.004 χ^2/NDF : 51.3/53

All: -0.002 ± 0.003 χ^2/NDF : 129.6/110

- sign -0.003 ± 0.004 χ^2/NDF : 78.3/56

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.008 $\pm$ 0.004 χ^2 /NDF: 3759491.4/28

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 23.308 $\pm$ 0.004 χ^2 /NDF: 3958804.9/33

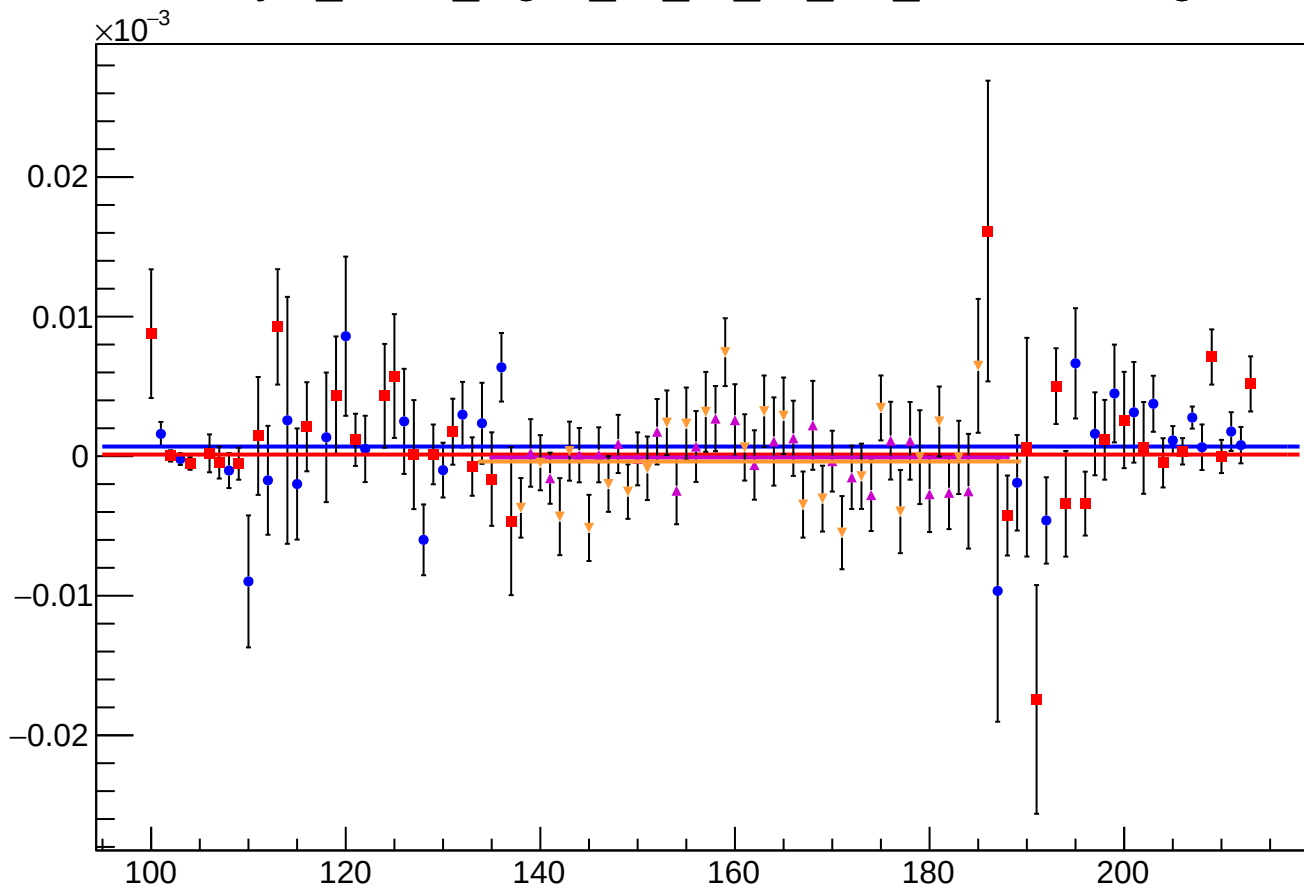
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 24.763 $\pm$ 0.003 χ^2 /NDF: 6601240.1/53

All: 24.709 $\pm$ 0.002 χ^2 /NDF: 13369244.0/110

- sign 24.655 $\pm$ 0.003 χ^2 /NDF: 6767404.0/56

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 47.8/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 53.1/33

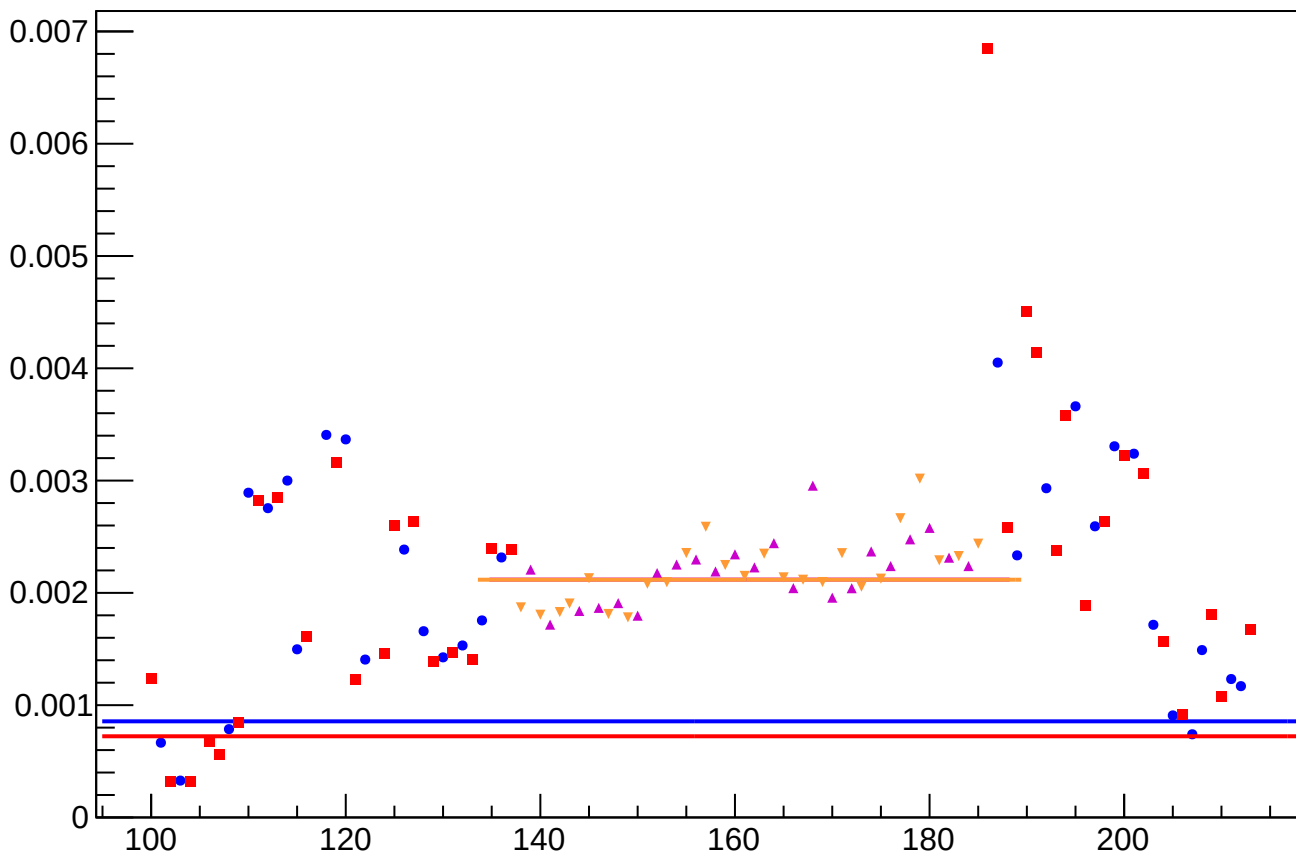
Left In: -0.000 ± 0.000 χ^2/NDF : 10.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 94.6/53

All: 0.000 ± 0.000 χ^2/NDF : 159.3/110

- sign 0.000 ± 0.000 χ^2/NDF : 63.4/56

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 13140307.5/28

Left Out: 0.002+/-0.000 χ^2/NDF : 578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 17311516.3/33

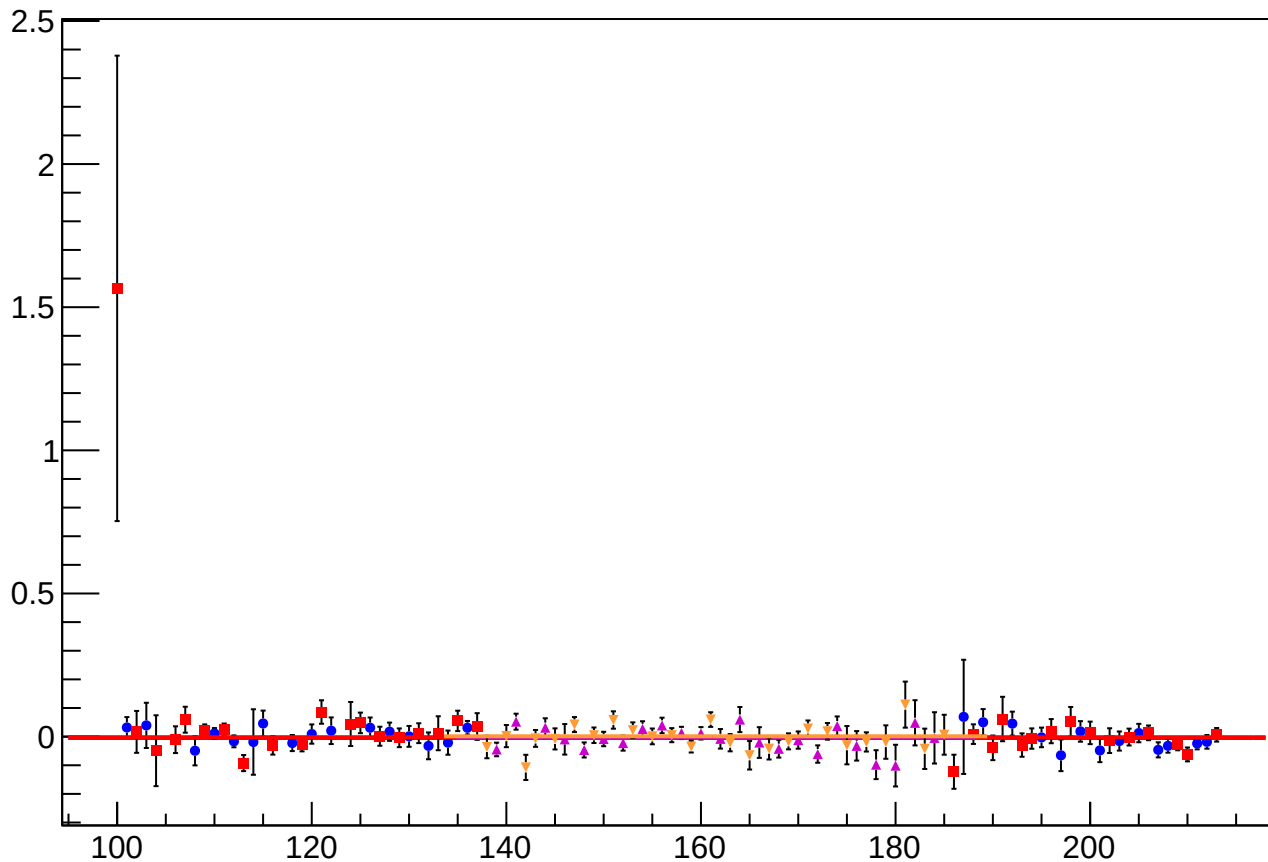
Left In: 0.002+/-0.000 χ^2/NDF : 588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 24013231.1/53

All: 0.001+/-0.000 χ^2/NDF : 55316655.0/110

- sign 0.001+/-0.000 χ^2/NDF : 30669830.6/56

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 20.7/28

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.002 ± 0.006 χ^2/NDF : 47.1/33

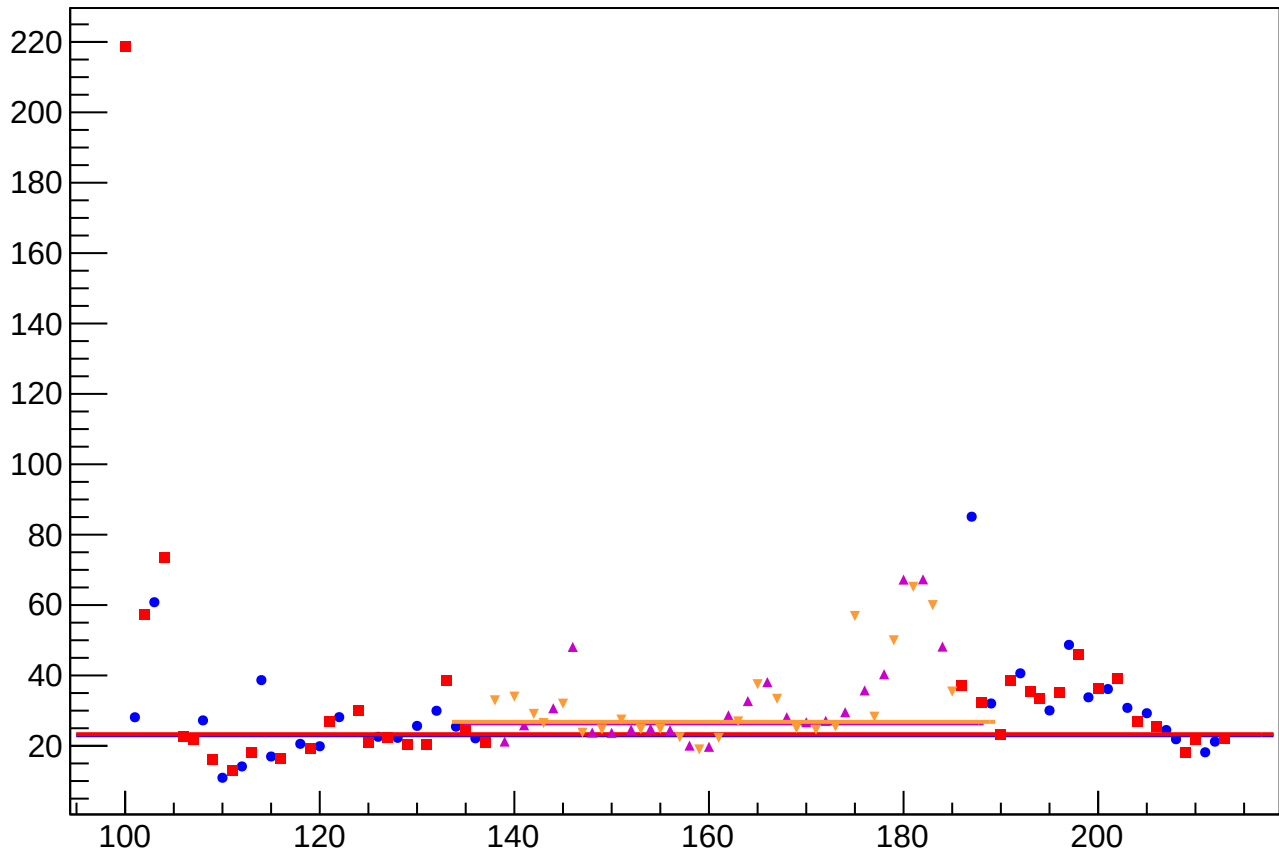
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.002 ± 0.004 χ^2/NDF : 51.3/53

All: -0.002 ± 0.003 χ^2/NDF : 129.6/110

- sign -0.003 ± 0.004 χ^2/NDF : 78.3/56

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.008 $\pm$ 0.004 χ^2 /NDF: 3759238.1/28

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 23.308 $\pm$ 0.004 χ^2 /NDF: 3958593.3/33

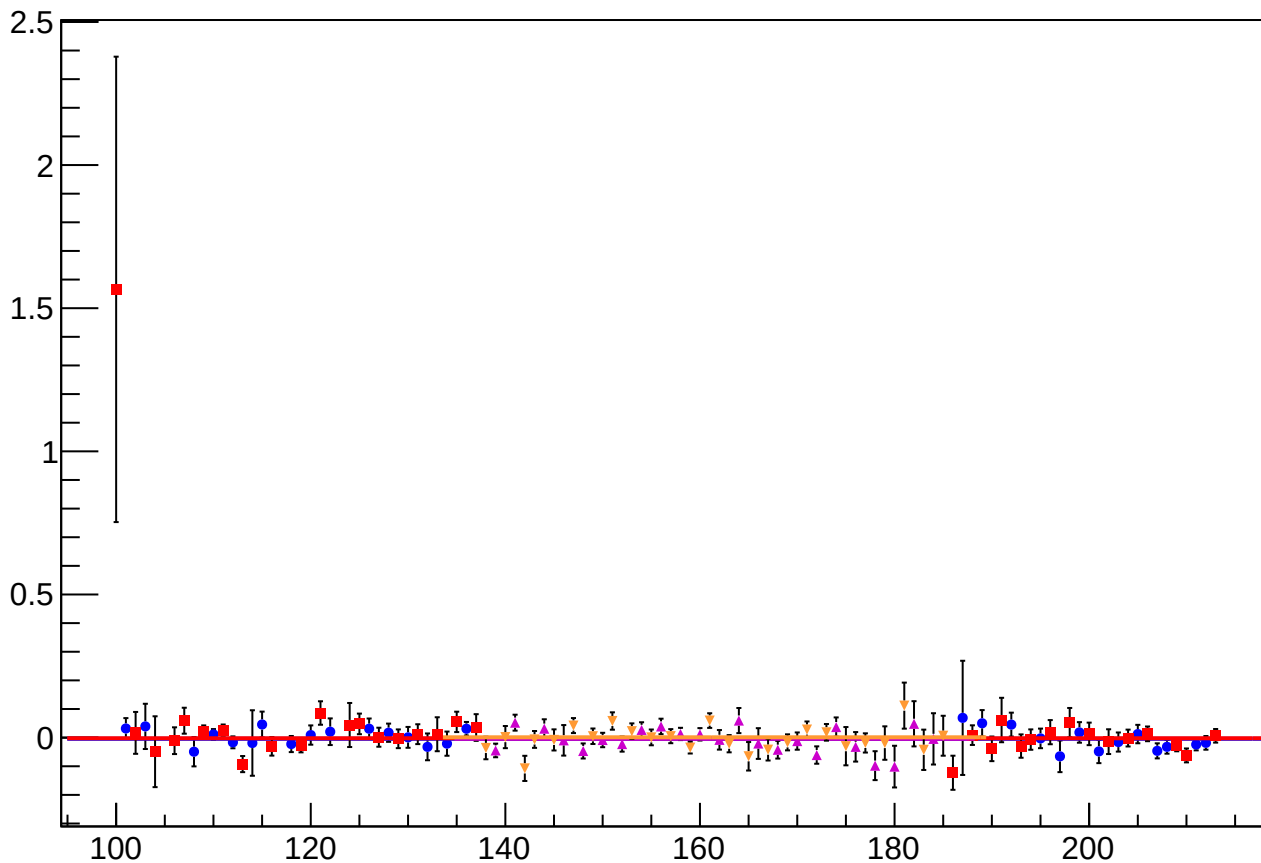
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.763 $\pm$ 0.003 χ^2 /NDF: 6600968.0/53

All: 24.709 $\pm$ 0.002 χ^2 /NDF: 13368821.0/110

- sign 24.655 $\pm$ 0.003 χ^2 /NDF: 6767251.3/56

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.006 χ^2/NDF : 20.7/28

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: -0.002 ± 0.006 χ^2/NDF : 47.1/33

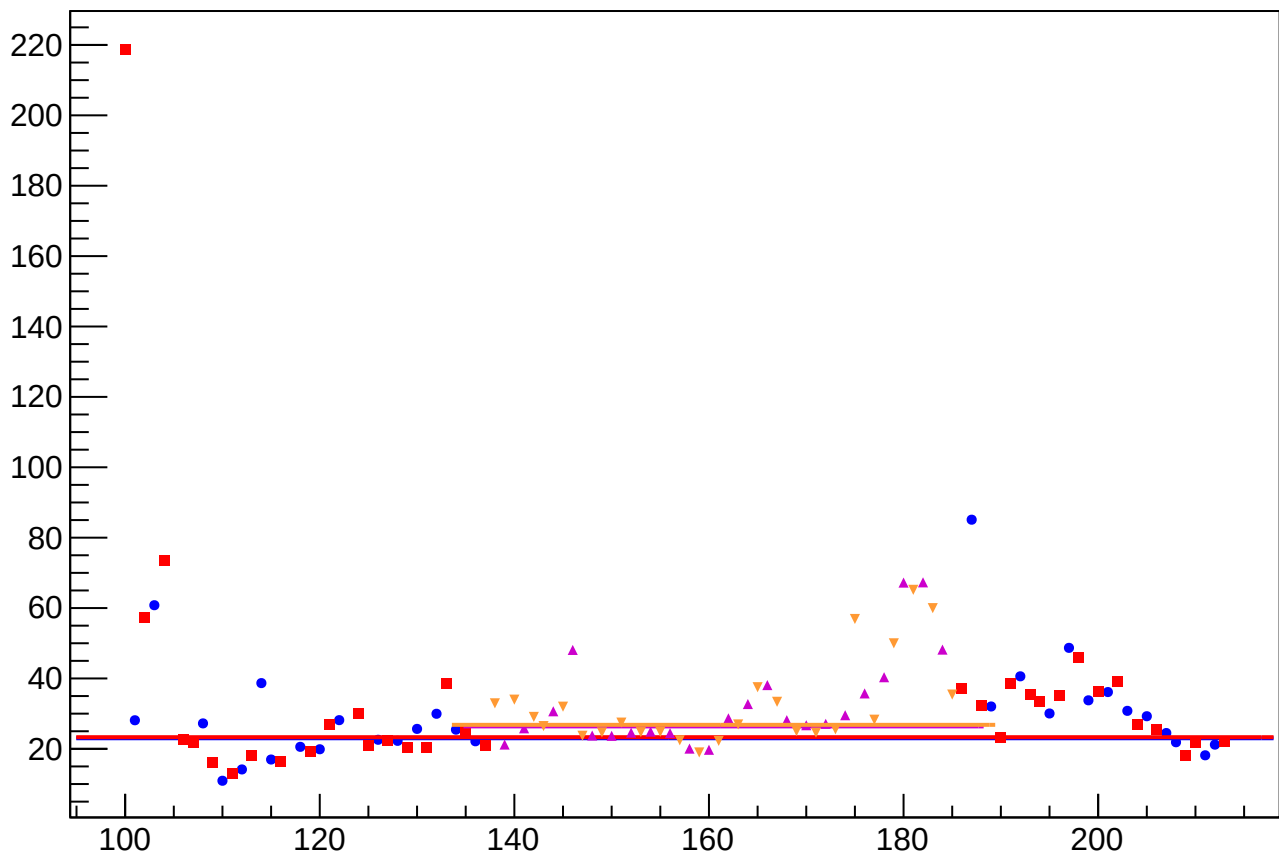
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign -0.002 ± 0.004 χ^2/NDF : 51.3/53

All: -0.002 ± 0.003 χ^2/NDF : 129.6/110

- sign -0.003 ± 0.004 χ^2/NDF : 78.3/56

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.008 $\pm$ 0.004 χ^2 /NDF: 3759238.1/28

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 23.308 $\pm$ 0.004 χ^2 /NDF: 3958593.3/33

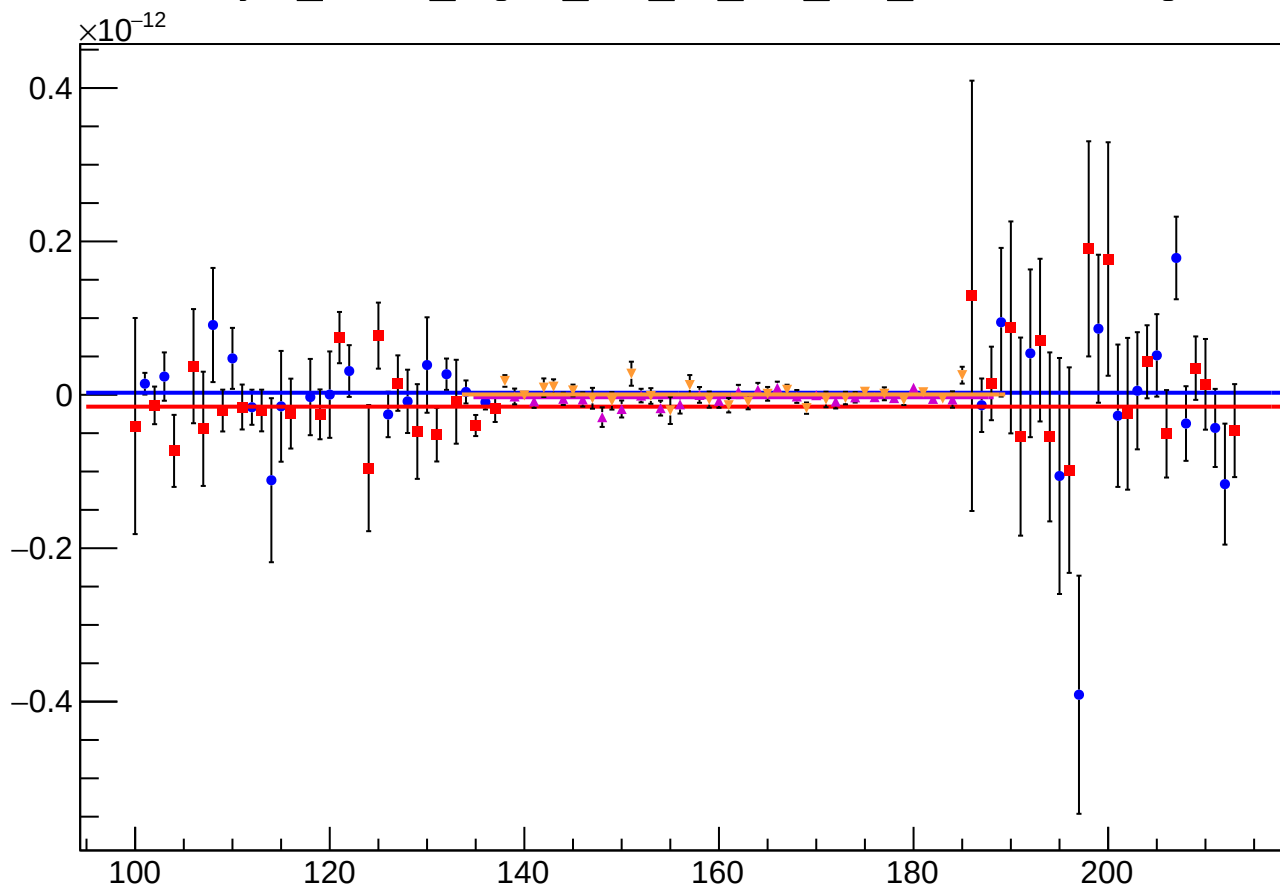
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.763 $\pm$ 0.003 χ^2 /NDF: 6600968.0/53

All: 24.709 $\pm$ 0.002 χ^2 /NDF: 13368821.0/110

- sign 24.655 $\pm$ 0.003 χ^2 /NDF: 6767251.3/56

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 35.2/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.7/33

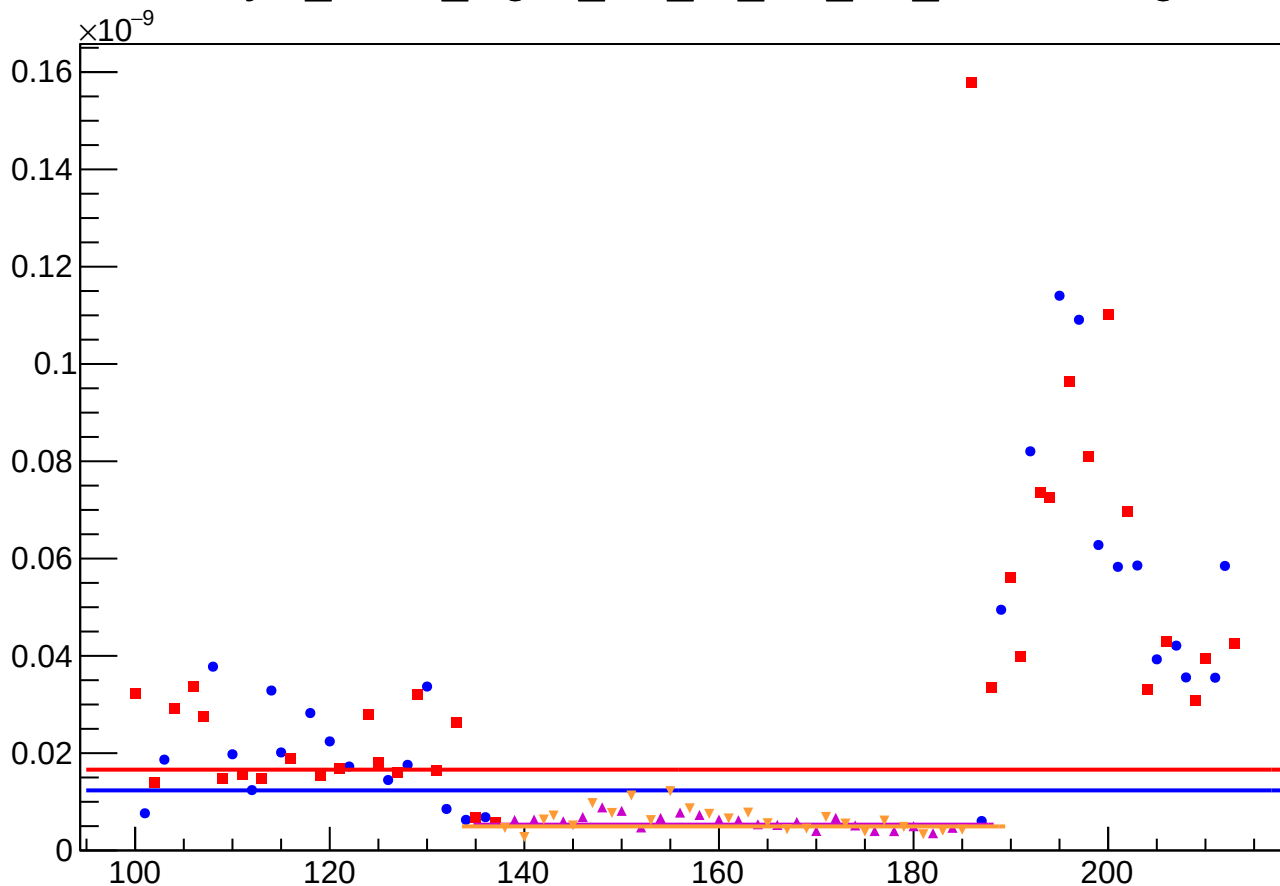
Left In: -0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 68.0/53

All: -0.000 ± 0.000 χ^2/NDF : 125.2/110

- sign -0.000 ± 0.000 χ^2/NDF : 53.0/56

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9626137.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8490505.9/33

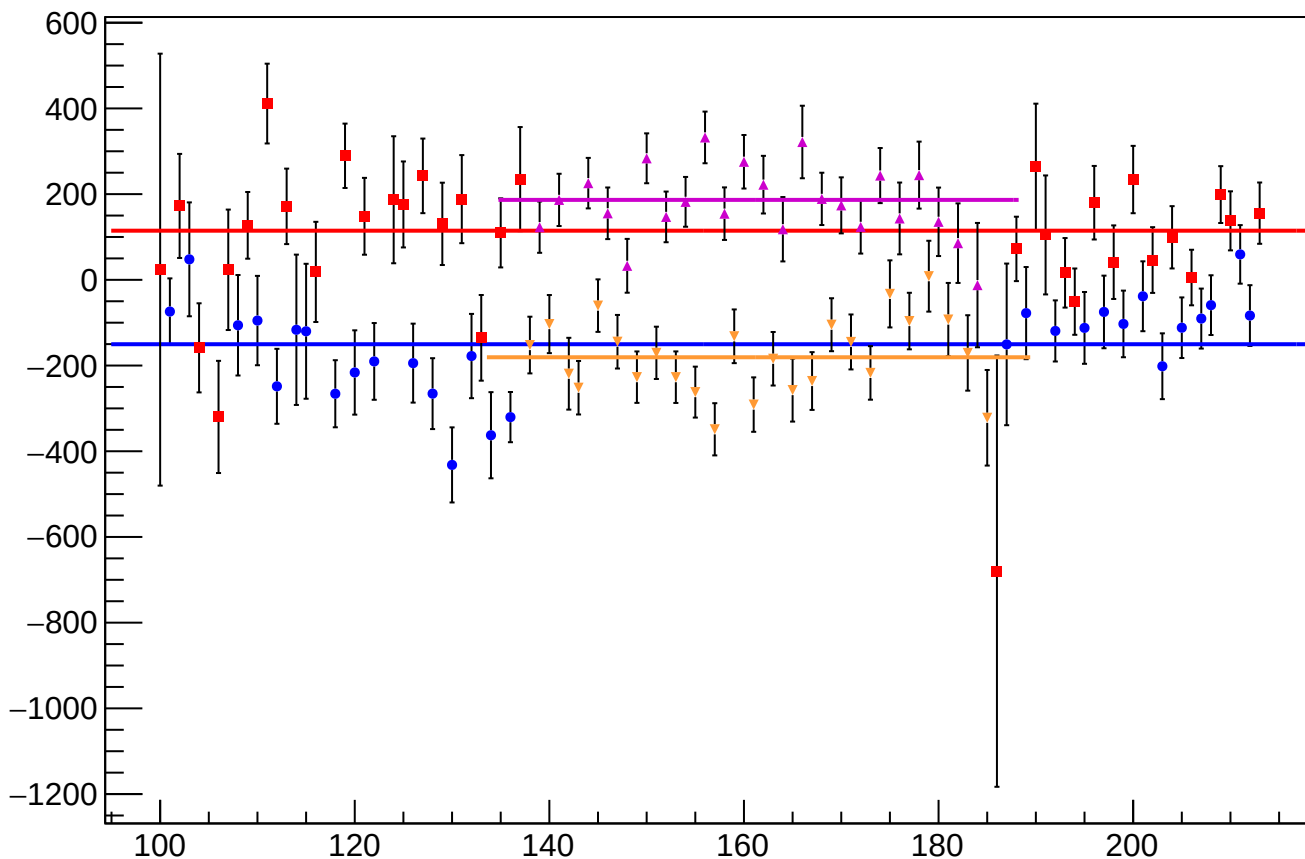
Left In: 0.000+/-0.000 χ^2/NDF : 1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 15796125.1/53

All: 0.000+/-0.000 χ^2/NDF : 31139547.9/110

- sign 0.000+/-0.000 χ^2/NDF : 15251544.2/56

reg_asym_sam8_mean vs Slug



Right In: -150.258+/-15.866 χ^2/NDF : 50.6/28

Left Out: -180.685+/-13.419 χ^2/NDF : 38.6/24

Right Out: 114.684+/-15.578 χ^2/NDF : 65.2/33

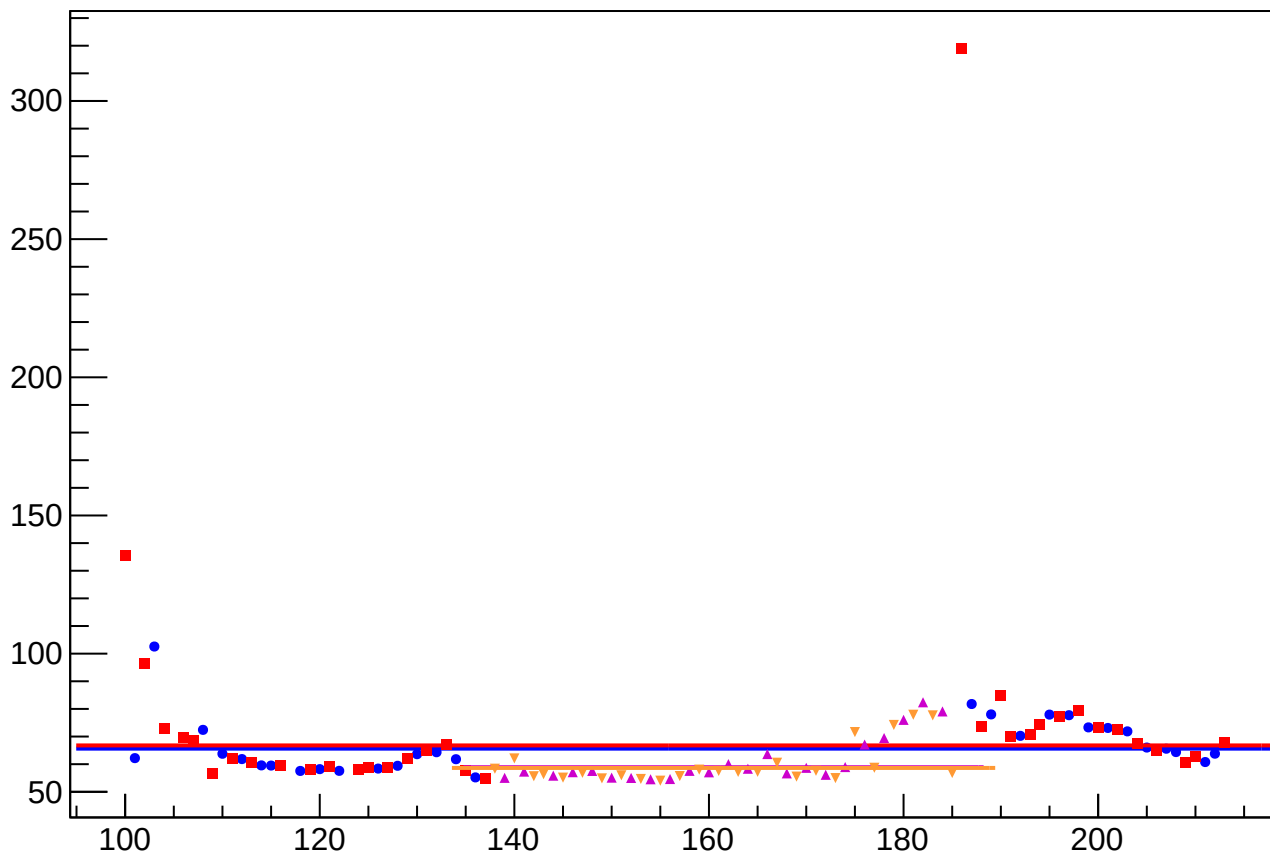
Left In: 186.567+/-13.860 χ^2/NDF : 29.0/22

+ sign -167.997+/-10.246 χ^2/NDF : 91.4/53

All: -8.304+/-7.283 χ^2/NDF : 688.6/110

- sign 154.806+/-10.355 χ^2/NDF : 106.1/56

reg_asym_sam8_rms vs Slug



Right In: 65.626 $\pm$ 0.011 χ^2 /NDF: 510152.6/28

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.787 $\pm$ 0.011 χ^2 /NDF: 1046986.9/33

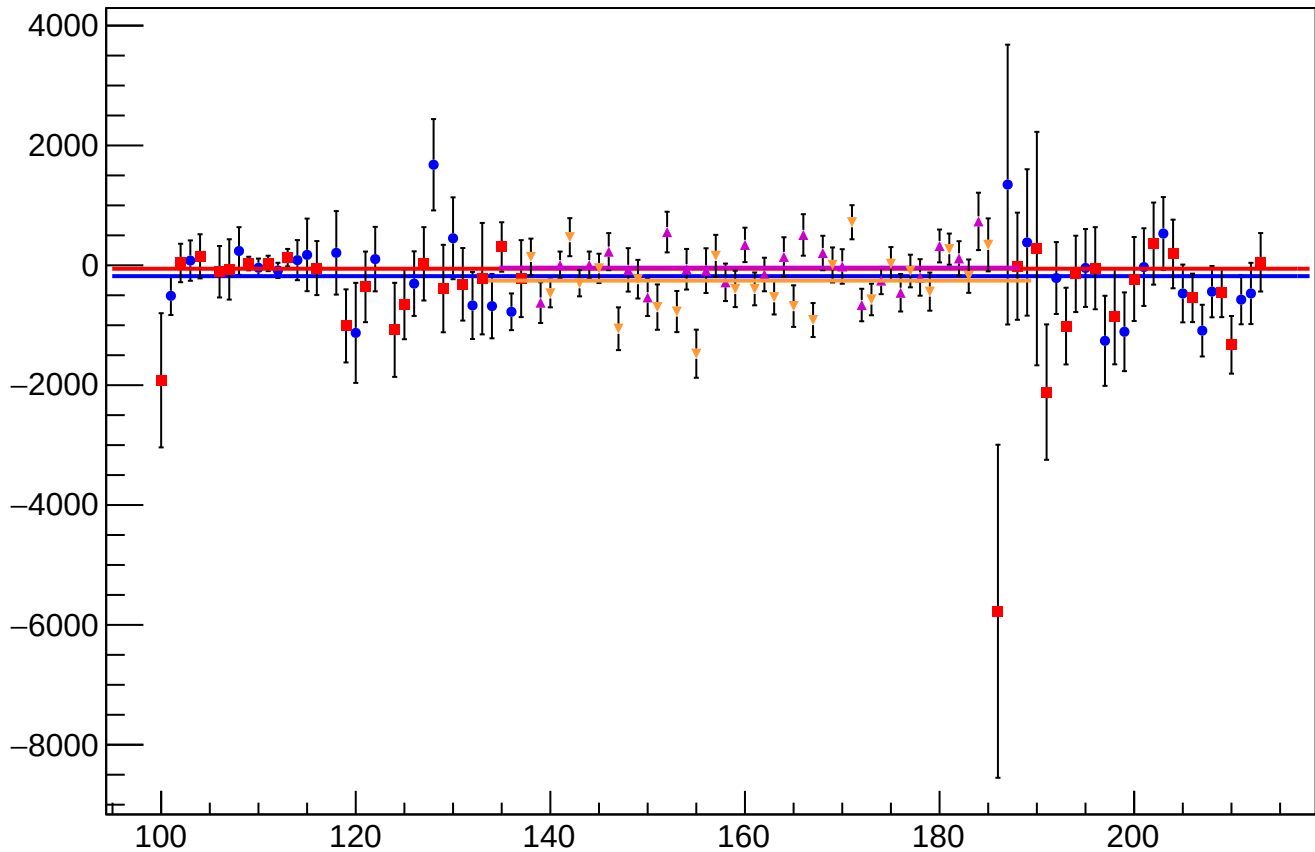
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.556 $\pm$ 0.007 χ^2 /NDF: 1129868.9/53

All: 61.968 $\pm$ 0.005 χ^2 /NDF: 2855934.0/110

- sign 62.388 $\pm$ 0.007 χ^2 /NDF: 1719530.3/56

asym_sam8_reg_correction_mean vs Slug



Right In: -180.776 ± 68.646 χ^2/NDF : 31.8/28

Left Out: -254.628 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -57.008 ± 59.376 χ^2/NDF : 33.5/33

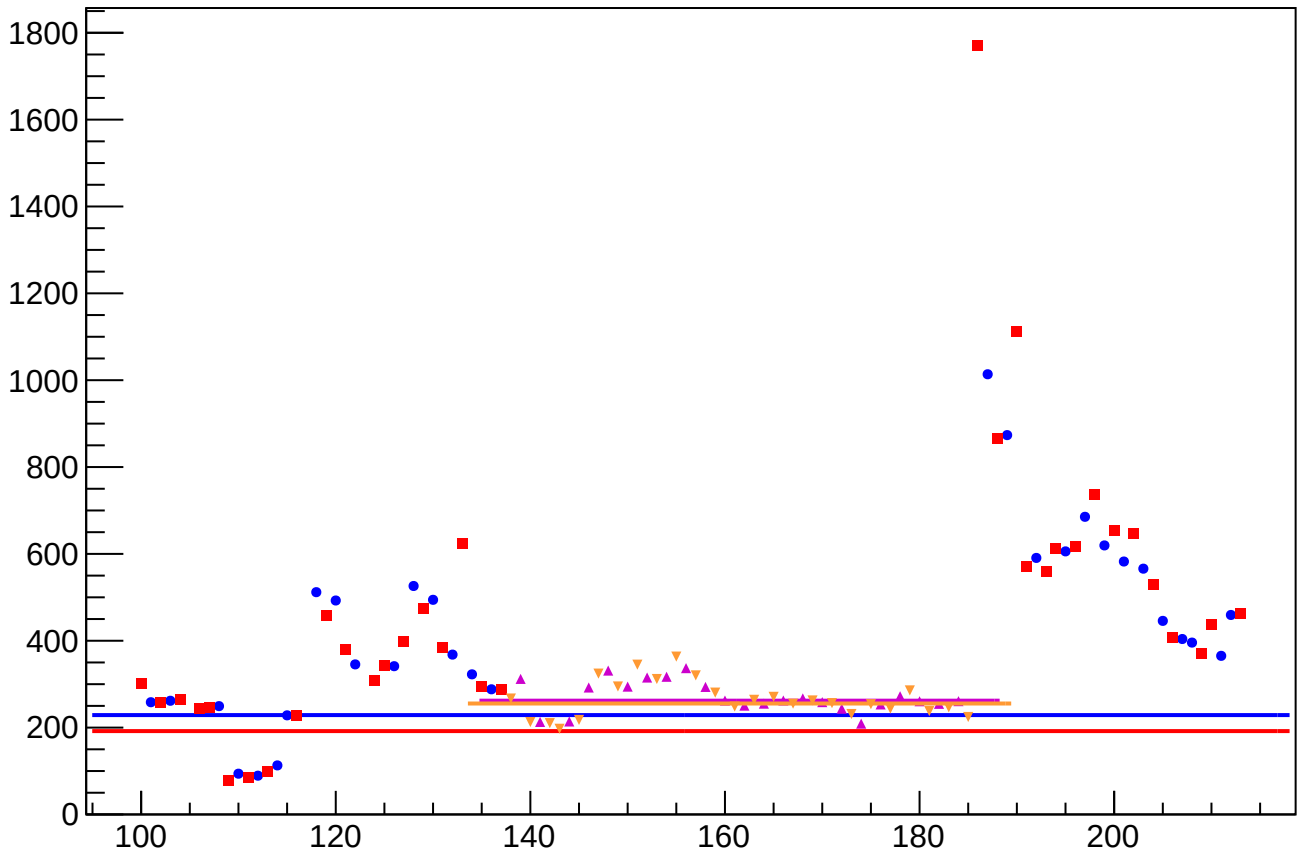
Left In: -39.147 ± 61.883 χ^2/NDF : 28.3/22

+ sign -223.327 ± 44.690 χ^2/NDF : 90.1/53

All: -132.200 ± 30.928 χ^2/NDF : 160.0/110

- sign -48.446 ± 42.844 χ^2/NDF : 61.8/56

asym_sam8_reg_correction_rms vs Slug



Right In: 228.820+/-0.049 χ^2/NDF : 12307790.0/28

Left Out: 255.469+/-0.042 χ^2/NDF : 863866.8/24

Right Out: 191.958+/-0.042 χ^2/NDF : 16709006.9/33

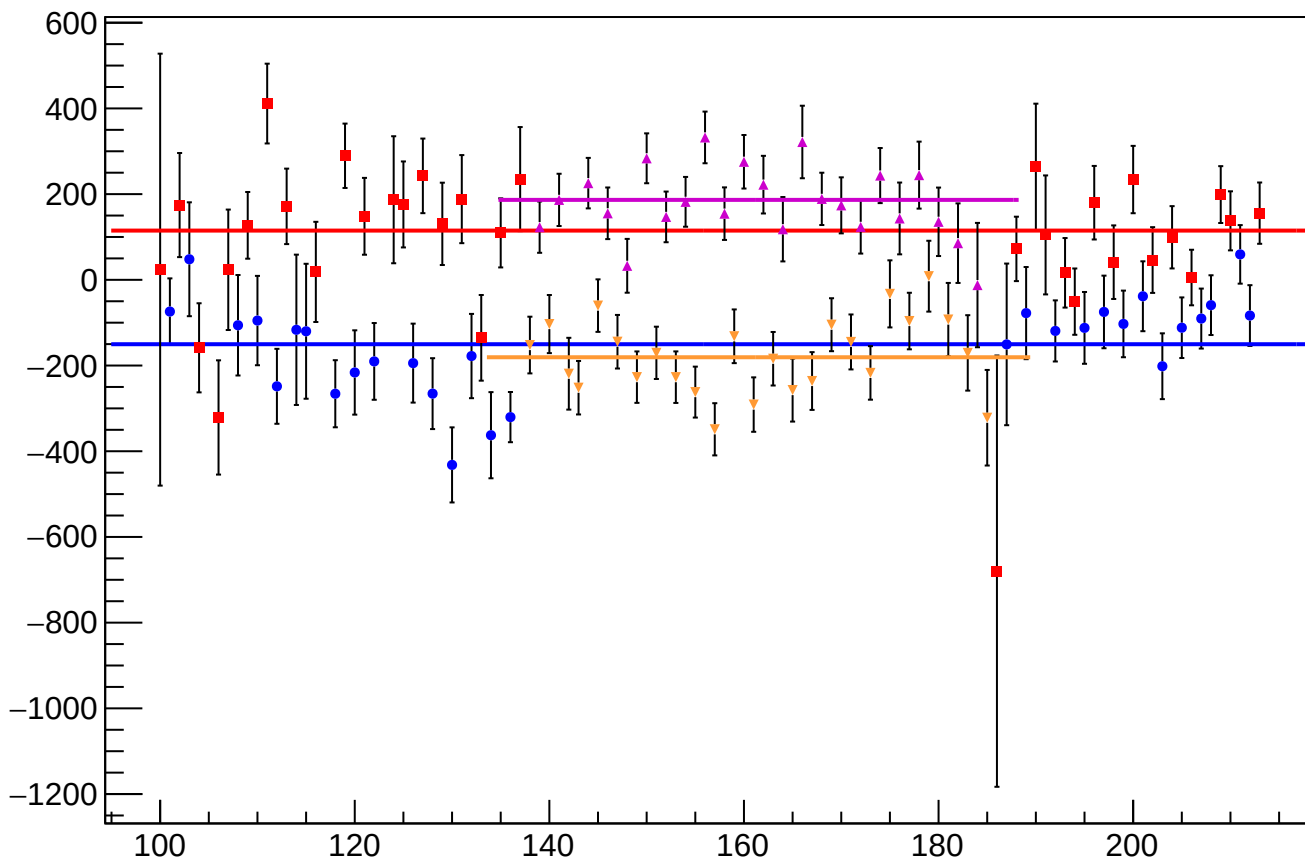
Left In: 262.007+/-0.044 χ^2/NDF : 670576.2/22

+ sign 244.174+/-0.032 χ^2/NDF : 13345325.7/53

All: 234.462+/-0.022 χ^2/NDF : 32240489.8/11

- sign 225.535+/-0.030 χ^2/NDF : 18713879.0/56

cor_asym_sam8_mean vs Slug



Right In: -150.258 ± 15.866 χ^2/NDF : 50.6/28

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 114.922 ± 15.582 χ^2/NDF : 64.9/33

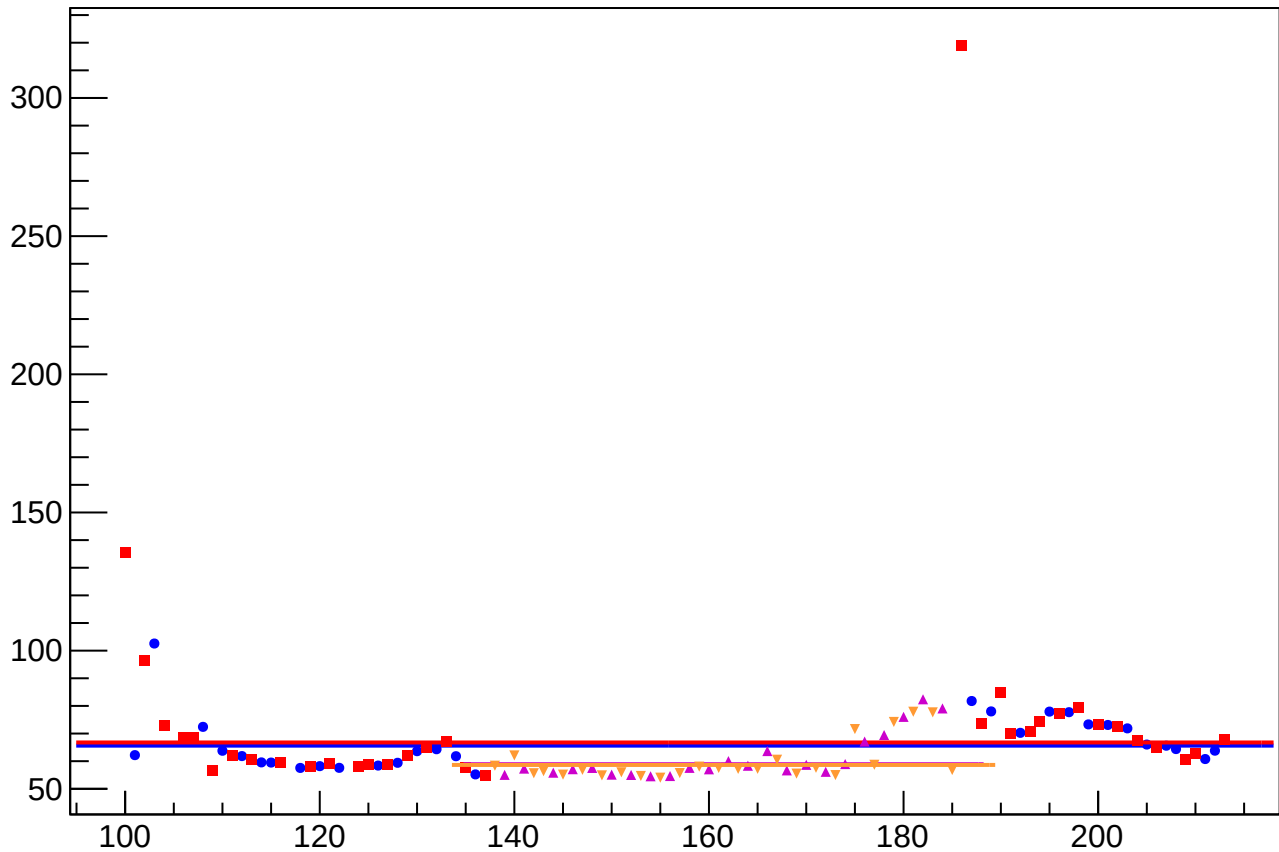
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -167.994 ± 10.246 χ^2/NDF : 91.4/53

All: -8.264 ± 7.283 χ^2/NDF : 688.5/110

- sign 154.921 ± 10.356 χ^2/NDF : 105.7/56

cor_asym_sam8_rms vs Slug



Right In: 65.626 $\pm$ 0.011 χ^2 /NDF: 510155.0/28

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.770 $\pm$ 0.011 χ^2 /NDF: 1046551.4/33

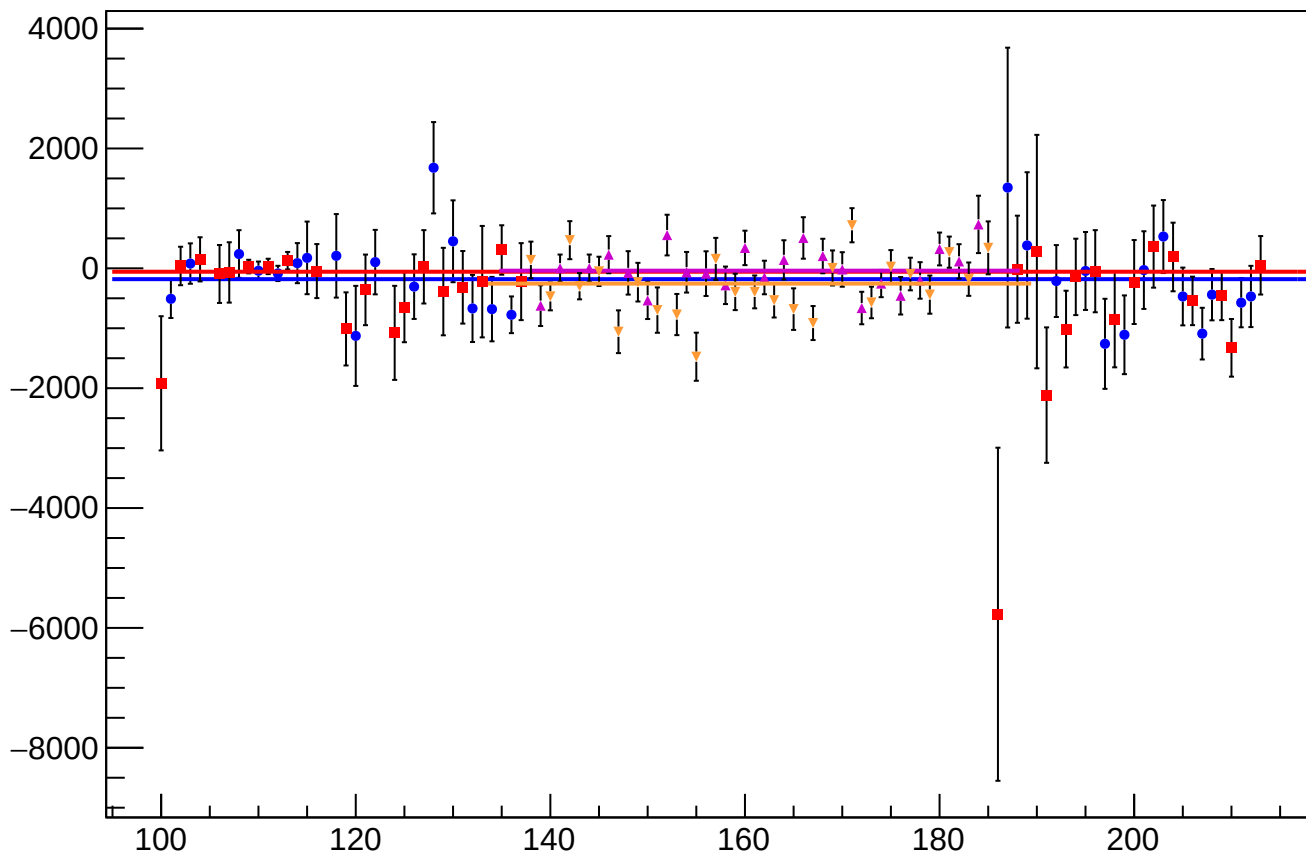
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.556 $\pm$ 0.007 χ^2 /NDF: 1129871.5/53

All: 61.963 $\pm$ 0.005 χ^2 /NDF: 2854039.5/110

- sign 62.380 $\pm$ 0.007 χ^2 /NDF: 1717768.3/56

asym_sam8_cor_correction_mean vs Slug



Right In: -180.762 ± 68.646 χ^2/NDF : 31.8/28

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -56.639 ± 59.498 χ^2/NDF : 33.4/33

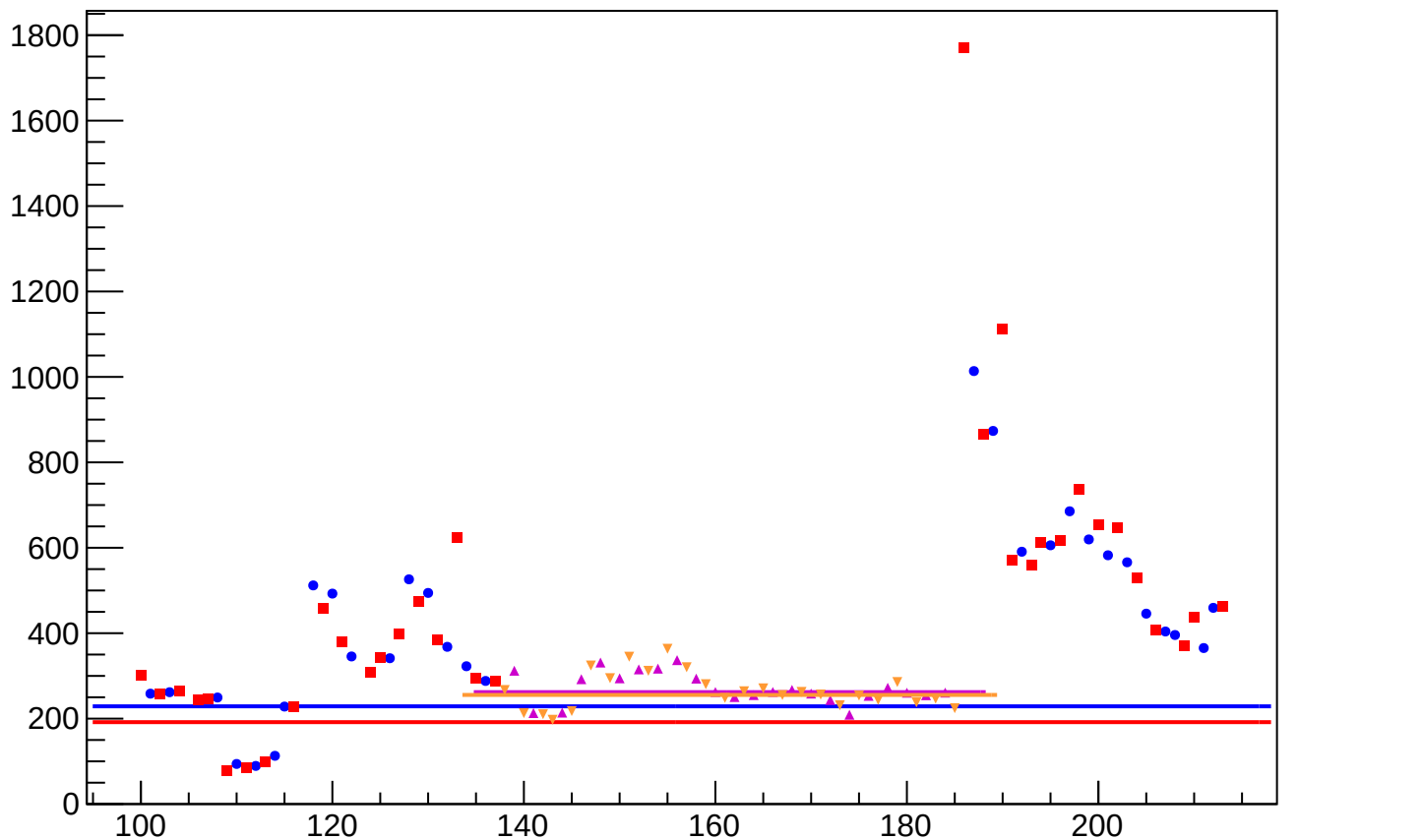
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -223.319 ± 44.691 χ^2/NDF : 90.1/53

All: -132.179 ± 30.945 χ^2/NDF : 160.0/110

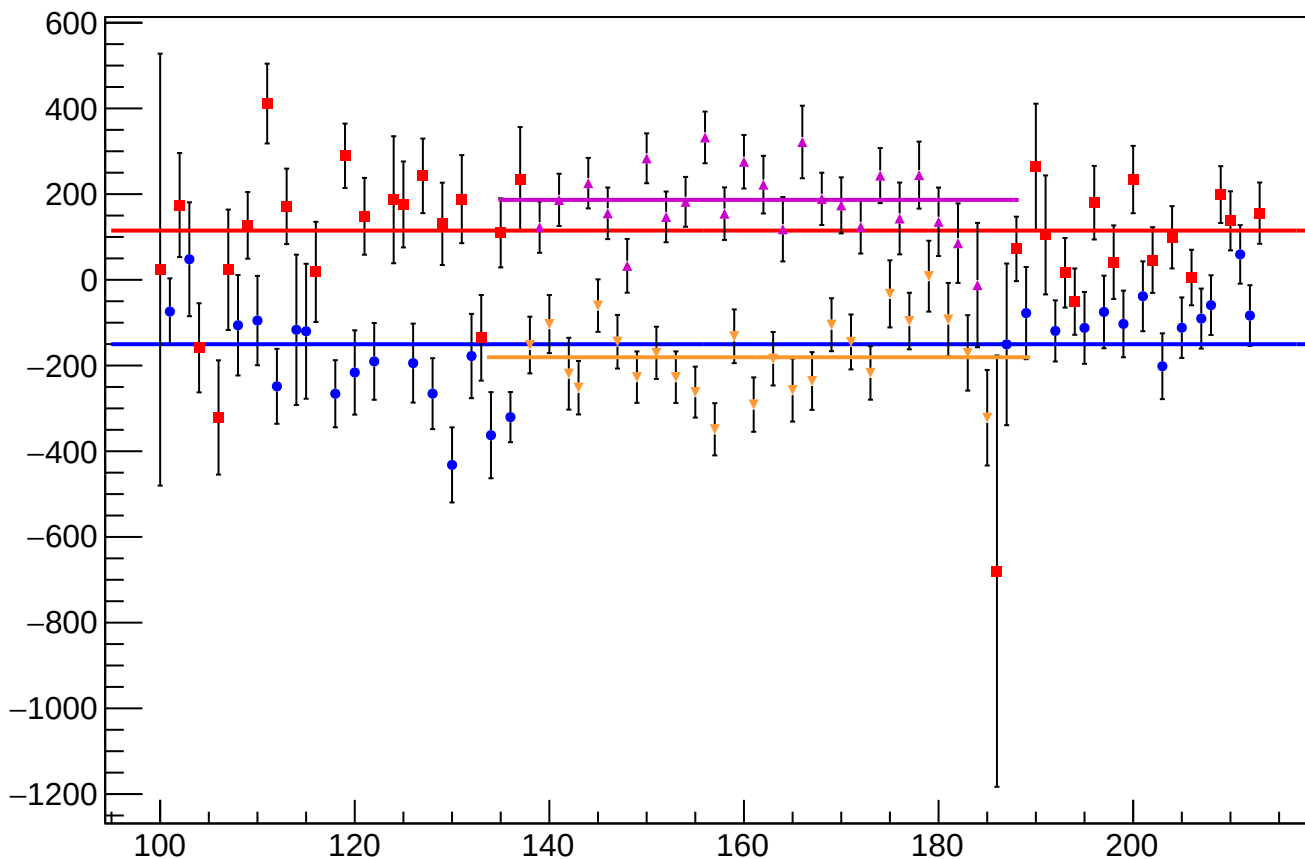
- sign -48.235 ± 42.890 χ^2/NDF : 61.8/56

asym_sam8_cor_correction_rms vs Slug



Right In: 228.821+/-0.049	χ^2/NDF : 12307819.9/28	+ sign 244.175+/-0.032	χ^2/NDF : 13345343.7/53
Left Out: 255.469+/-0.042	χ^2/NDF : 863867.3/24	All: 234.453+/-0.022	χ^2/NDF : 32240763.7/1
Right Out: 191.752+/-0.042	χ^2/NDF : 16703523.6/33	- sign 225.500+/-0.030	χ^2/NDF : 18713624.6/56
Left In: 262.007+/-0.044	χ^2/NDF : 670574.8/22		

eigen_cor_asym_sam8_mean vs Slug



Right In: -150.258 ± 15.866 χ^2/NDF : 50.6/28

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 114.922 ± 15.582 χ^2/NDF : 64.9/33

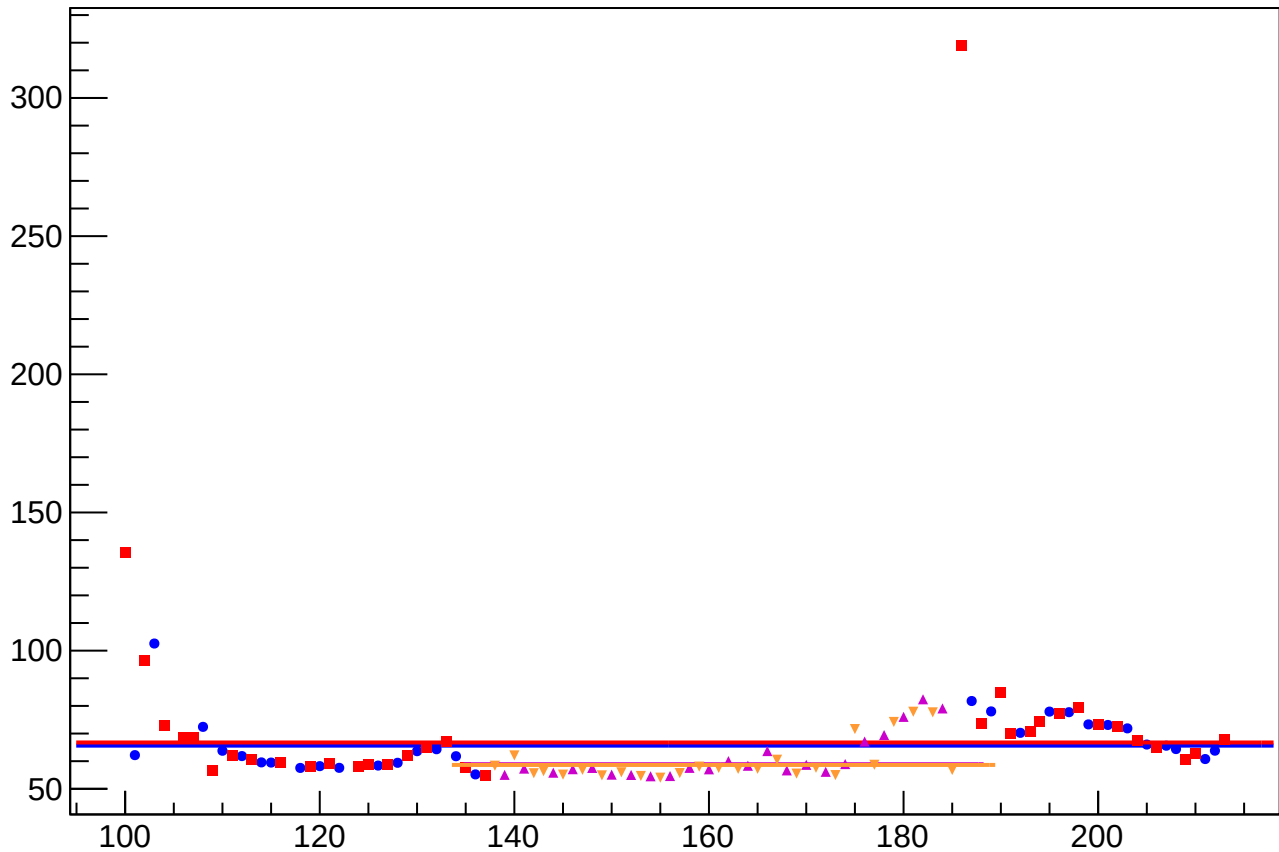
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -167.994 ± 10.246 χ^2/NDF : 91.4/53

All: -8.264 ± 7.283 χ^2/NDF : 688.5/110

- sign 154.921 ± 10.356 χ^2/NDF : 105.7/56

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.626 $\pm$ 0.011 χ^2 /NDF: 510155.0/28

Left Out: 58.644 $\pm$ 0.009 χ^2 /NDF: 393880.8/24

Right Out: 66.770 $\pm$ 0.011 χ^2 /NDF: 1046551.4/33

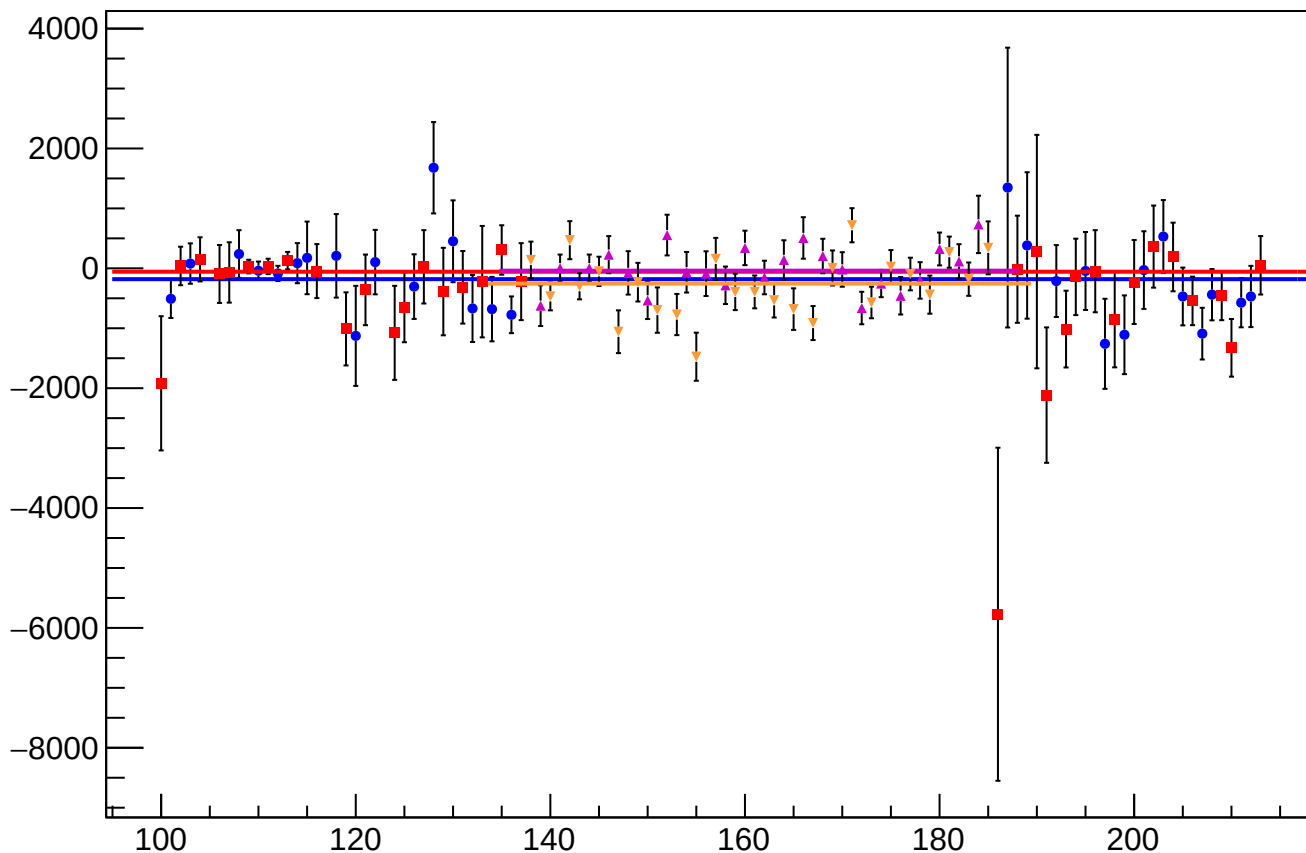
Left In: 58.906 $\pm$ 0.010 χ^2 /NDF: 386820.4/22

+ sign 61.556 $\pm$ 0.007 χ^2 /NDF: 1129871.5/53

All: 61.963 $\pm$ 0.005 χ^2 /NDF: 2854039.5/110

- sign 62.380 $\pm$ 0.007 χ^2 /NDF: 1717768.3/56

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -180.762 ± 68.646 χ^2/NDF : 31.8/28

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: -56.639 ± 59.498 χ^2/NDF : 33.4/33

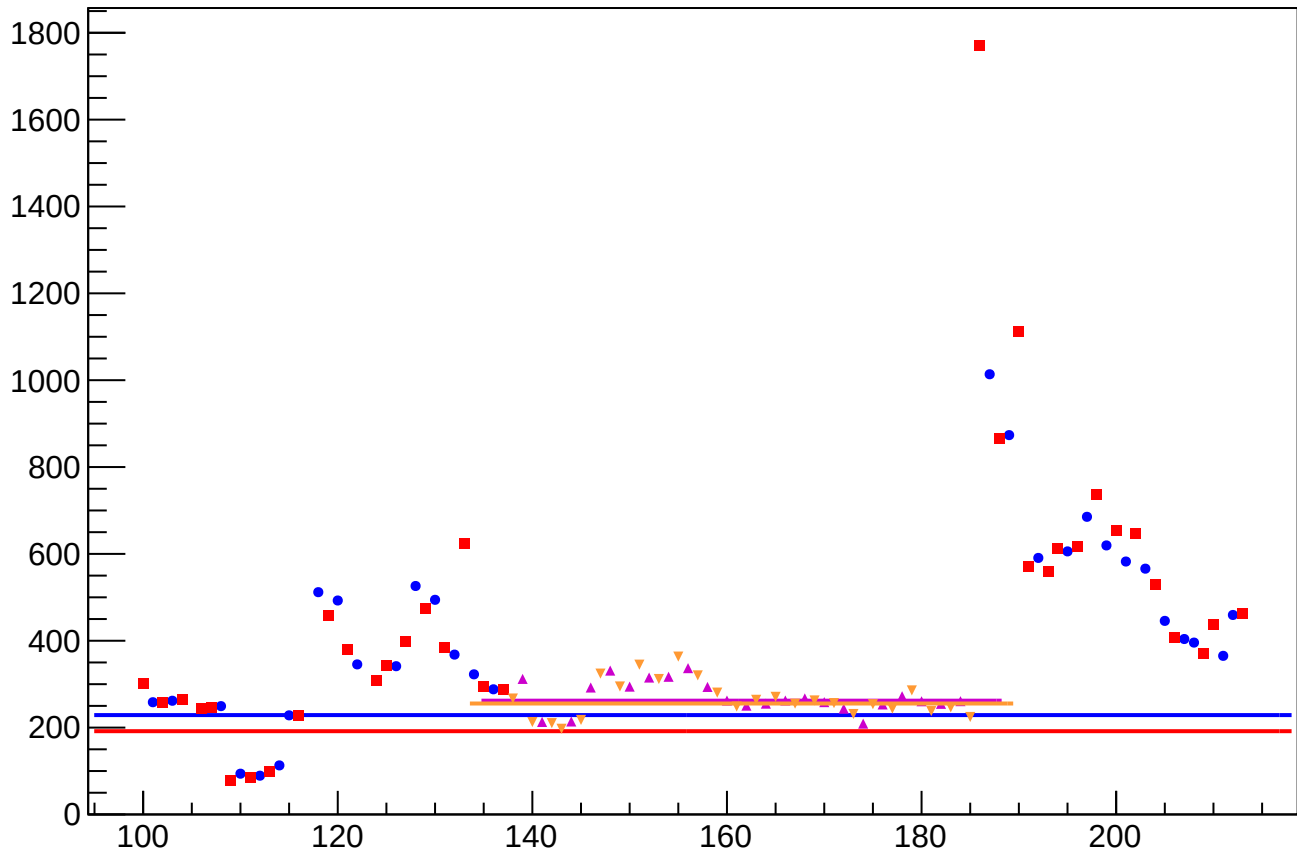
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -223.319 ± 44.691 χ^2/NDF : 90.1/53

All: -132.179 ± 30.945 χ^2/NDF : 160.0/110

- sign -48.235 ± 42.890 χ^2/NDF : 61.8/56

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 228.821+/-0.049 χ^2/NDF : 12307819.9/28

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 191.752+/-0.042 χ^2/NDF : 16703523.6/33

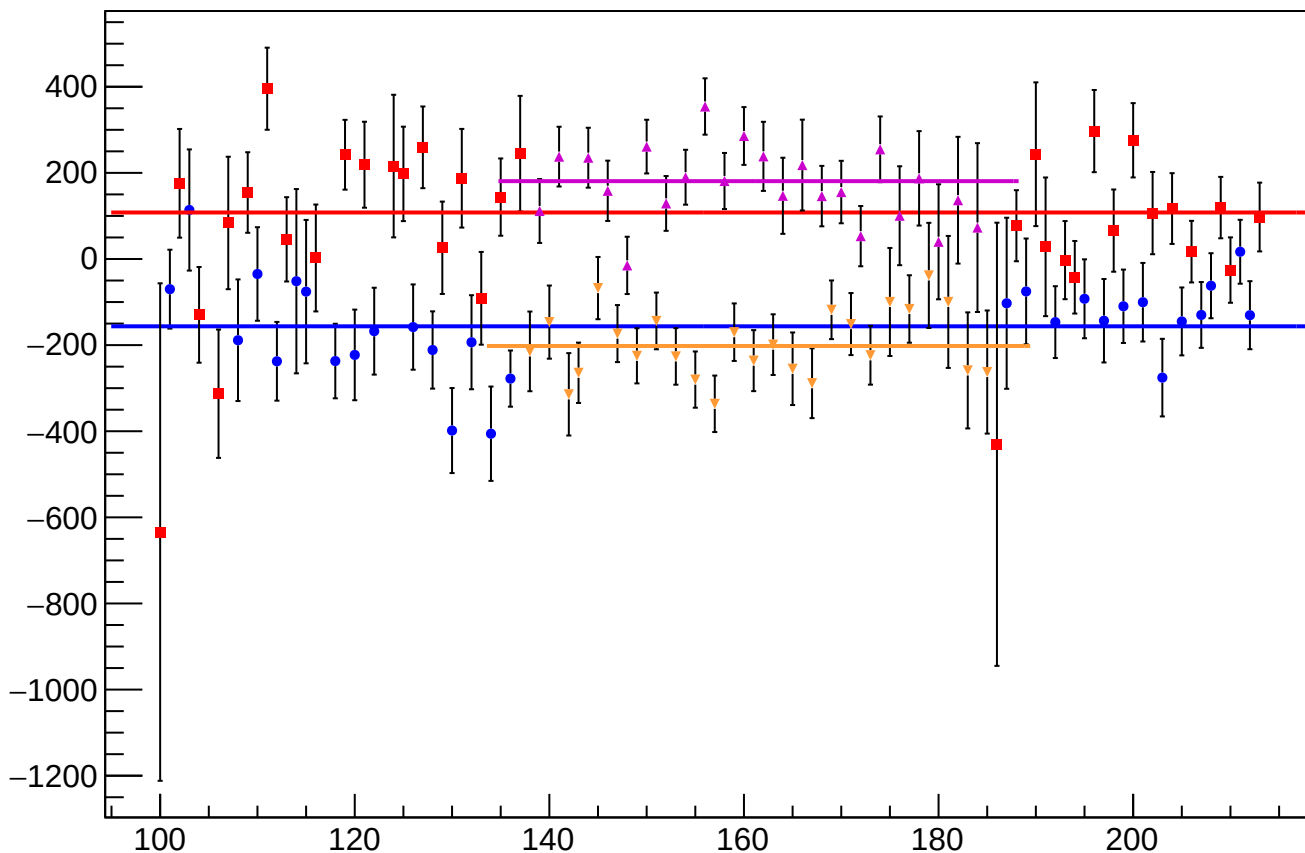
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 244.175+/-0.032 χ^2/NDF : 13345343.7/53

All: 234.453+/-0.022 χ^2/NDF : 32240763.7/11

- sign 225.500+/-0.030 χ^2/NDF : 18713624.6/56

dit_asym_sam8_mean vs Slug



Right In: -156.346 ± 17.606 χ^2/NDF : 34.3/28

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 108.007 ± 17.249 χ^2/NDF : 57.7/33

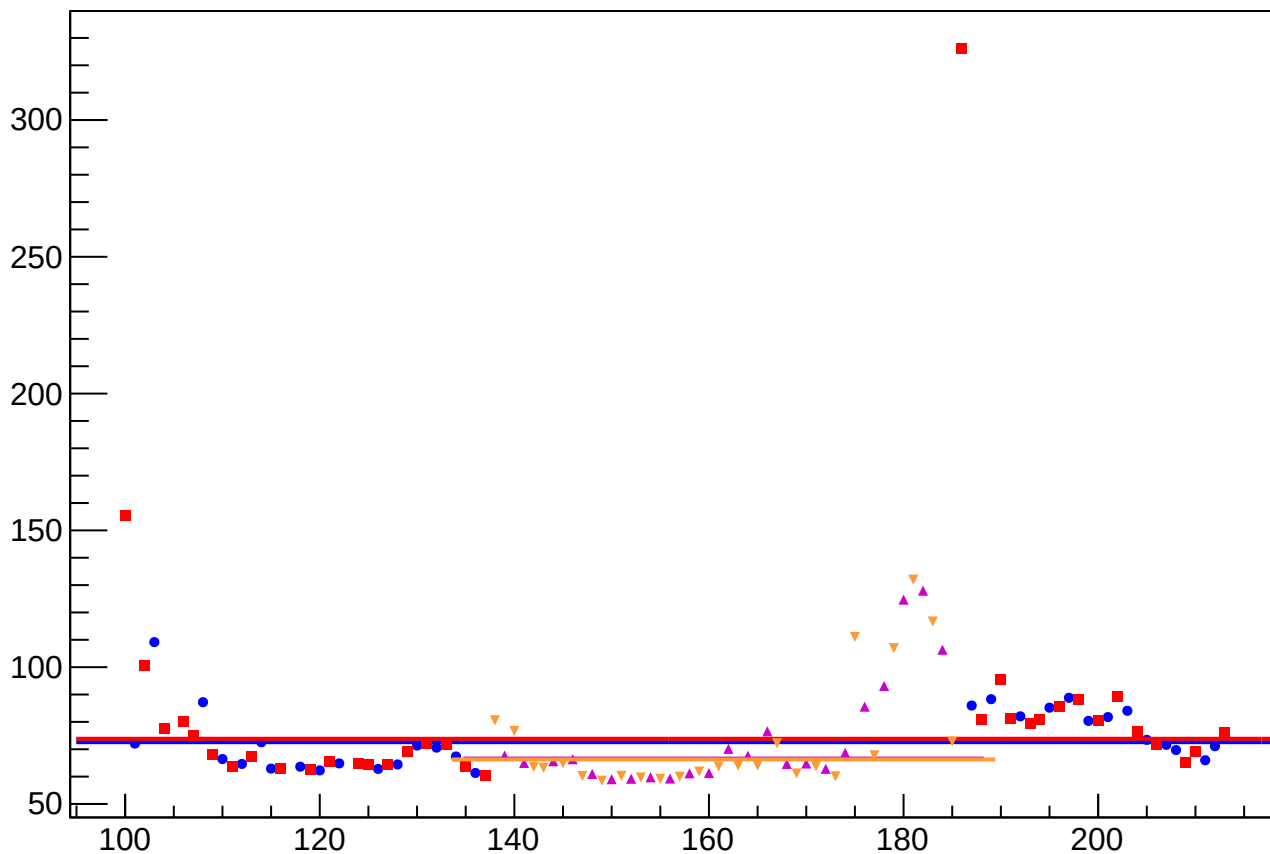
Left In: 180.784 ± 16.019 χ^2/NDF : 30.1/22

+ sign -182.061 ± 11.650 χ^2/NDF : 59.6/53

All: -18.729 ± 8.269 χ^2/NDF : 553.1/110

- sign 147.083 ± 11.738 χ^2/NDF : 97.4/56

dit_asym_sam8_rms vs Slug



Right In: 72.586 $\pm$ 0.012 χ^2 /NDF: 589151.3/28

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF: 1393879.2/24

Right Out: 73.828 $\pm$ 0.012 χ^2 /NDF: 1068621.6/33

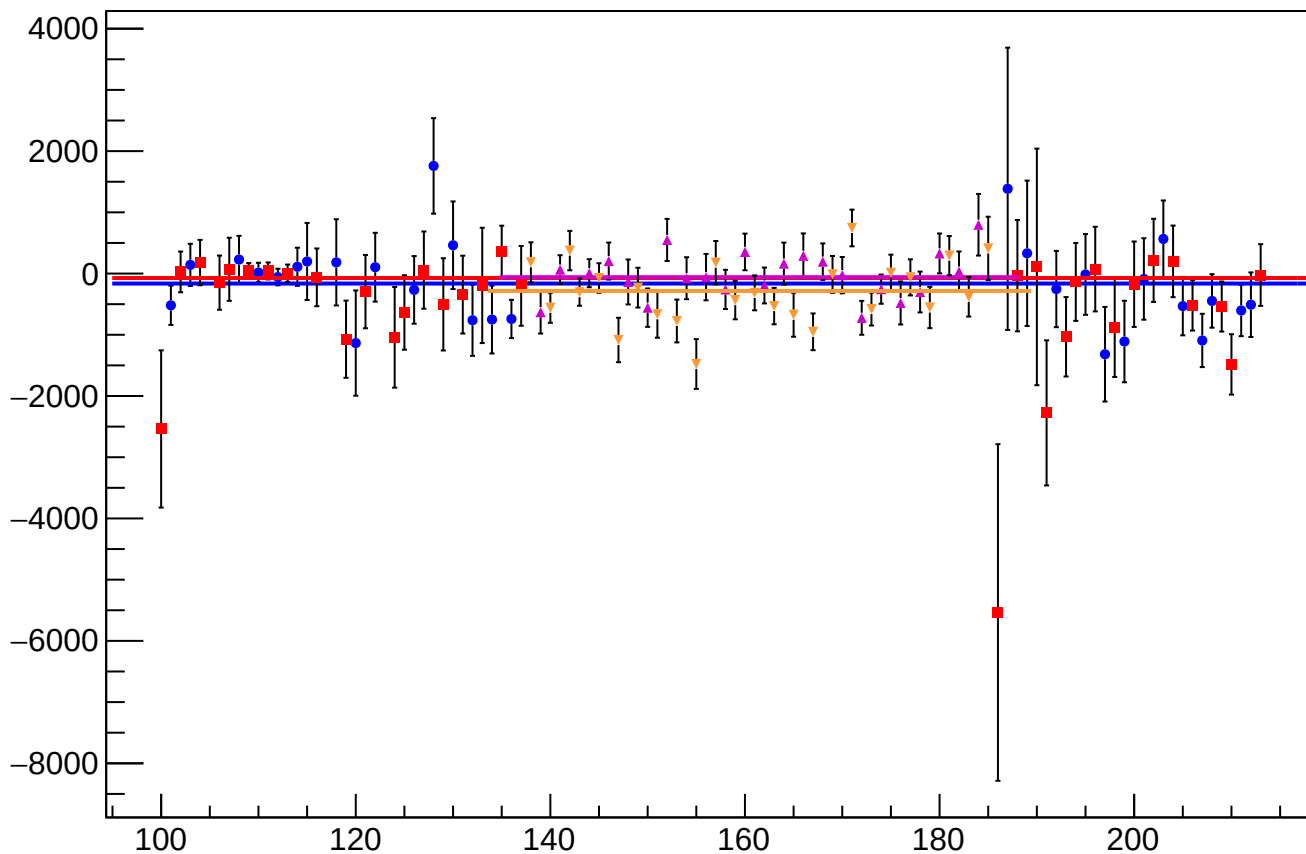
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF: 1158238.0/22

+ sign 69.040 $\pm$ 0.008 χ^2 /NDF: 2127314.9/53

All: 69.487 $\pm$ 0.006 χ^2 /NDF: 4549435.7/110

- sign 69.939 $\pm$ 0.008 χ^2 /NDF: 2416211.2/56

asym_sam8_dit_correction_mean vs Slug



Right In: -163.149 ± 70.665 χ^2/NDF : 33.7/28

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -72.885 ± 61.078 χ^2/NDF : 34.8/33

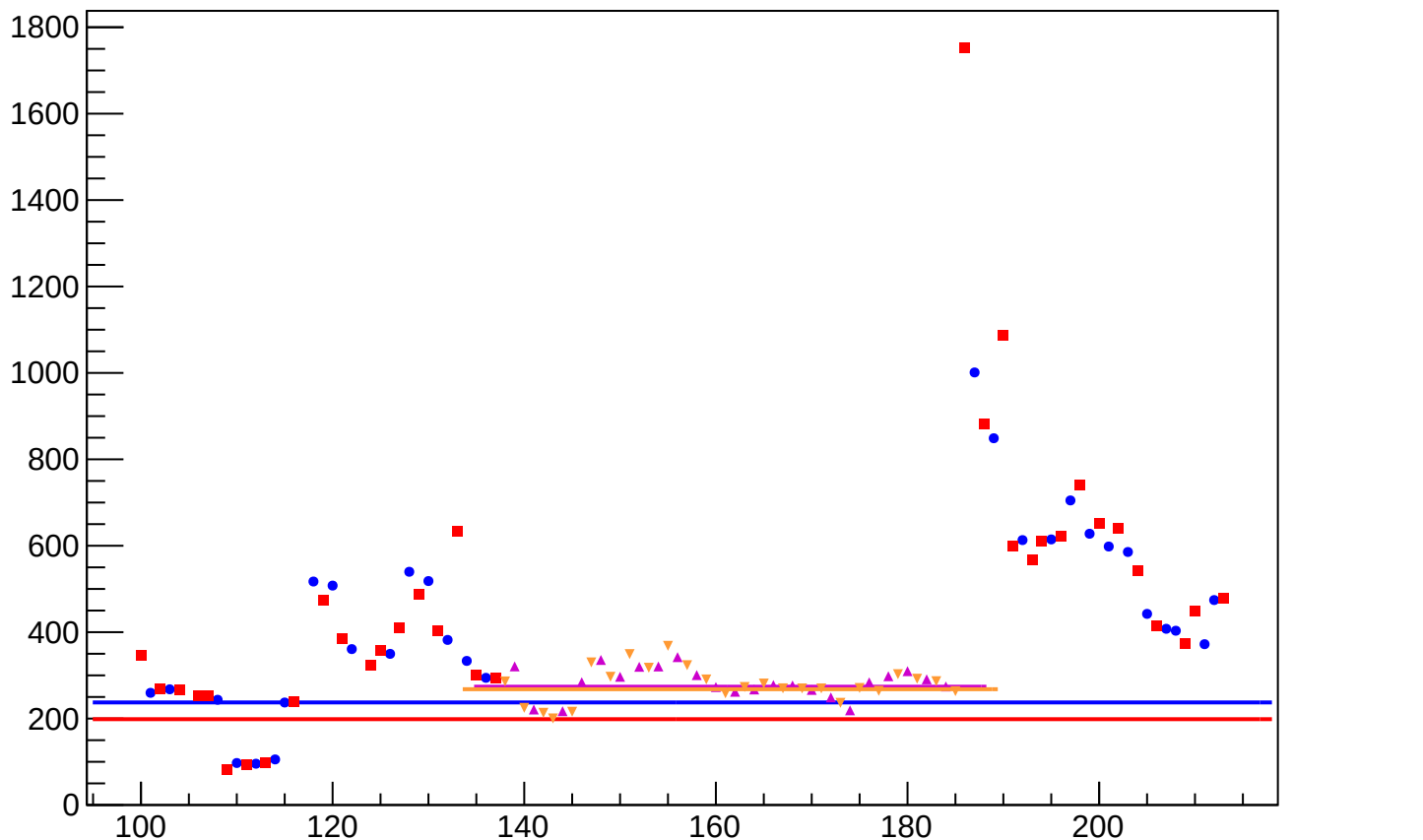
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -231.951 ± 46.489 χ^2/NDF : 90.0/53

All: -145.367 ± 32.106 χ^2/NDF : 158.3/110

- sign -66.411 ± 44.394 χ^2/NDF : 61.7/56

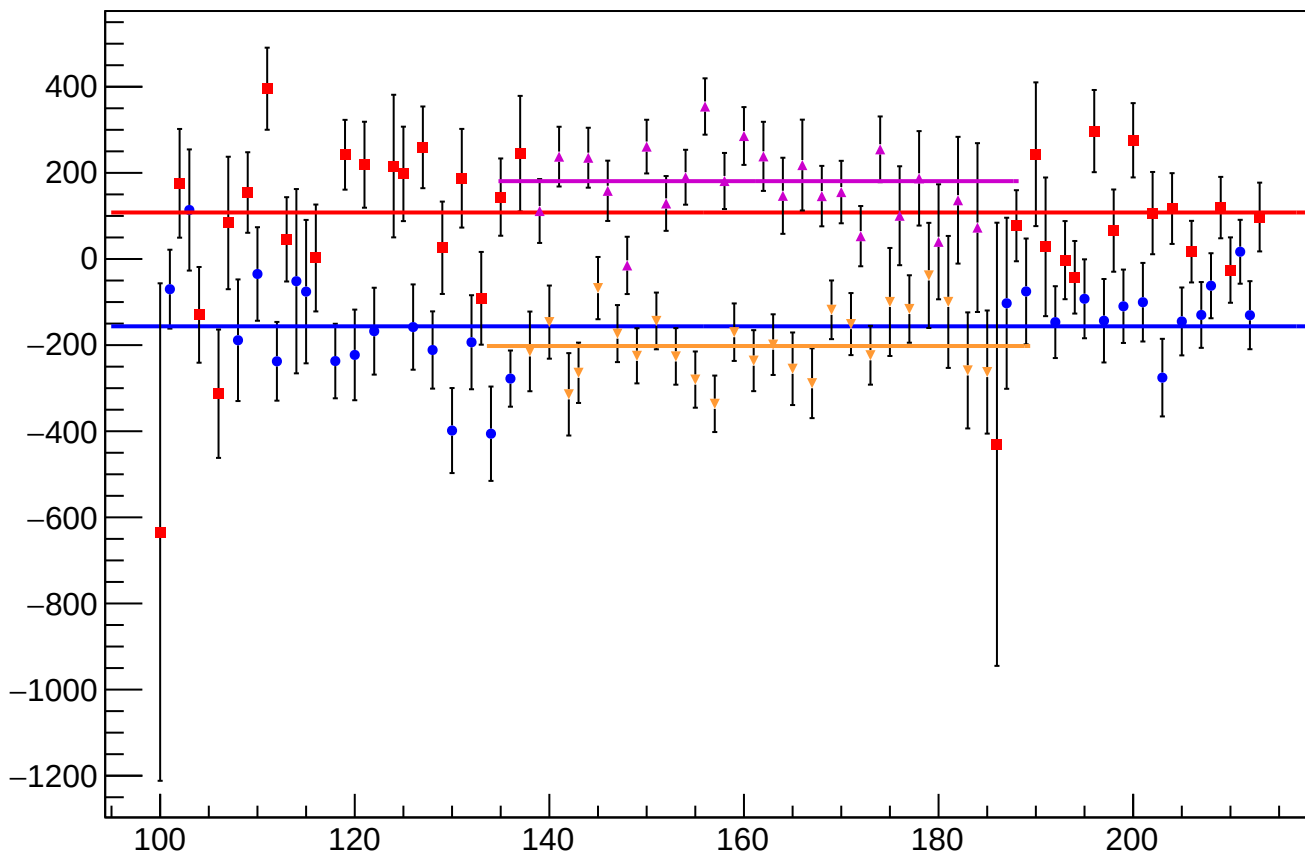
asym_sam8_dit_correction_rms vs Slug



Right In: 237.390 $\pm$ 0.050 χ^2 /NDF: 12011367.6/28
 Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862786.9/24
 Right Out: 198.599 $\pm$ 0.043 χ^2 /NDF: 16471672.7/33
 Left In: 273.751 $\pm$ 0.046 χ^2 /NDF: 650295.5/22

+ sign 254.744 $\pm$ 0.033 χ^2 /NDF: 13086811.1/53
 All: 243.920 $\pm$ 0.023 χ^2 /NDF: 31844343.0/11
 - sign 234.050 $\pm$ 0.031 χ^2 /NDF: 18550252.3/56

eigen_dit_asym_sam8_mean vs Slug



Right In: -156.346 ± 17.606 χ^2/NDF : 34.3/28

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 108.008 ± 17.249 χ^2/NDF : 57.7/33

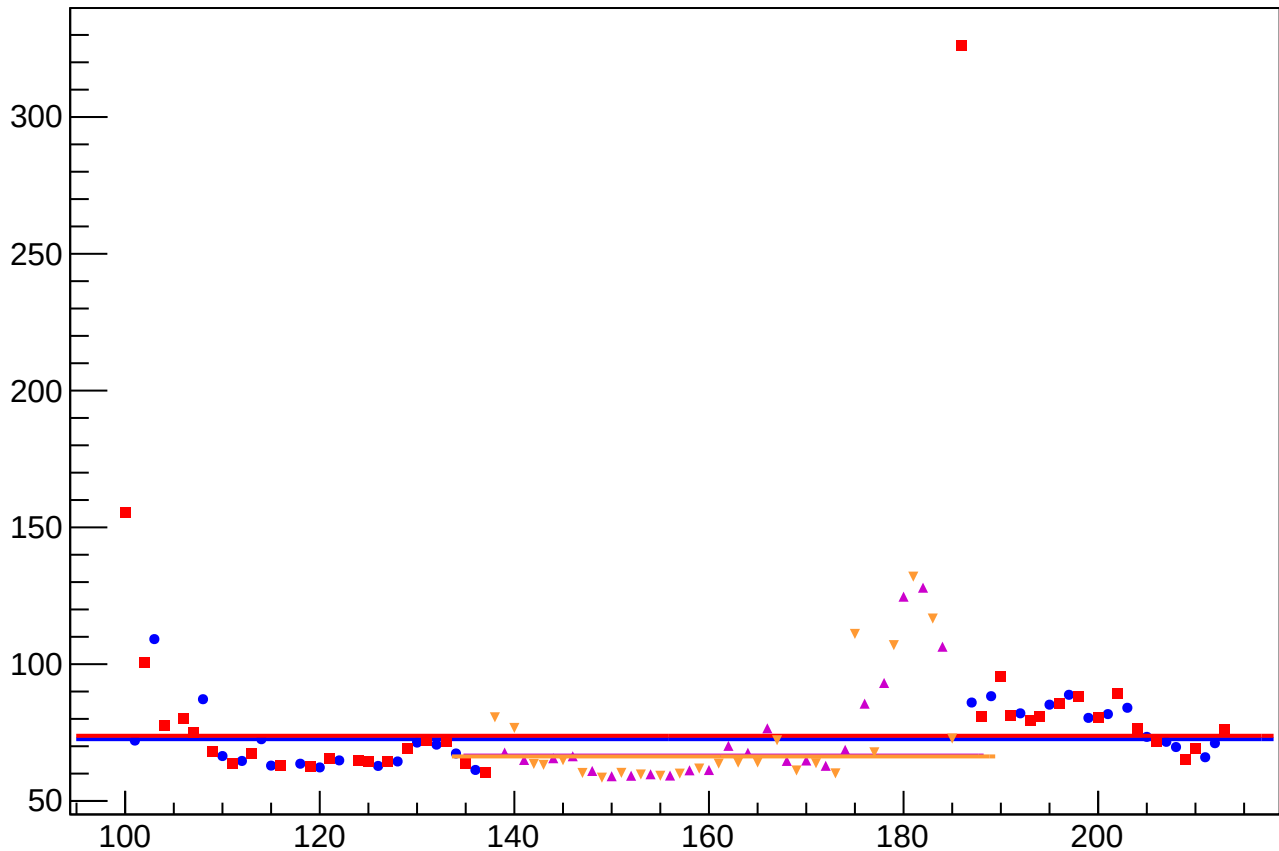
Left In: 180.785 ± 16.019 χ^2/NDF : 30.1/22

+ sign -182.061 ± 11.650 χ^2/NDF : 59.6/53

All: -18.729 ± 8.269 χ^2/NDF : 553.1/110

- sign 147.084 ± 11.738 χ^2/NDF : 97.4/56

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.586 $\pm$ 0.012 χ^2 /NDF: 589155.0/28

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF: 1393881.3/24

Right Out: 73.828 $\pm$ 0.012 χ^2 /NDF: 1068625.8/33

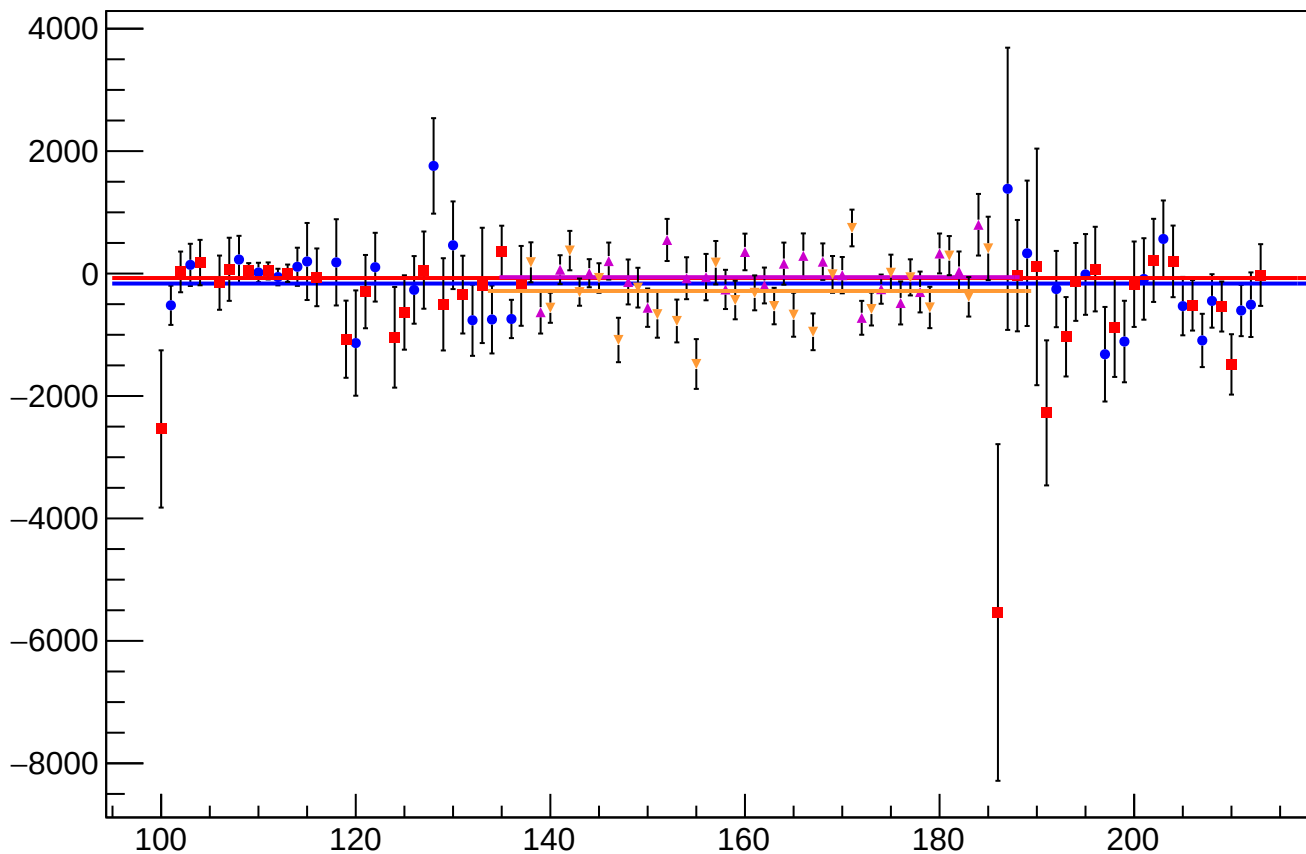
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF: 1158231.7/22

+ sign 69.040 $\pm$ 0.008 χ^2 /NDF: 2127313.7/53

All: 69.487 $\pm$ 0.006 χ^2 /NDF: 4549421.0/110

- sign 69.939 $\pm$ 0.008 χ^2 /NDF: 2416197.9/56

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -163.147 ± 70.664 χ^2/NDF : 33.7/28

Left Out: -284.450 ± 61.727 χ^2/NDF : 54.6/24

Right Out: -72.884 ± 61.078 χ^2/NDF : 34.8/33

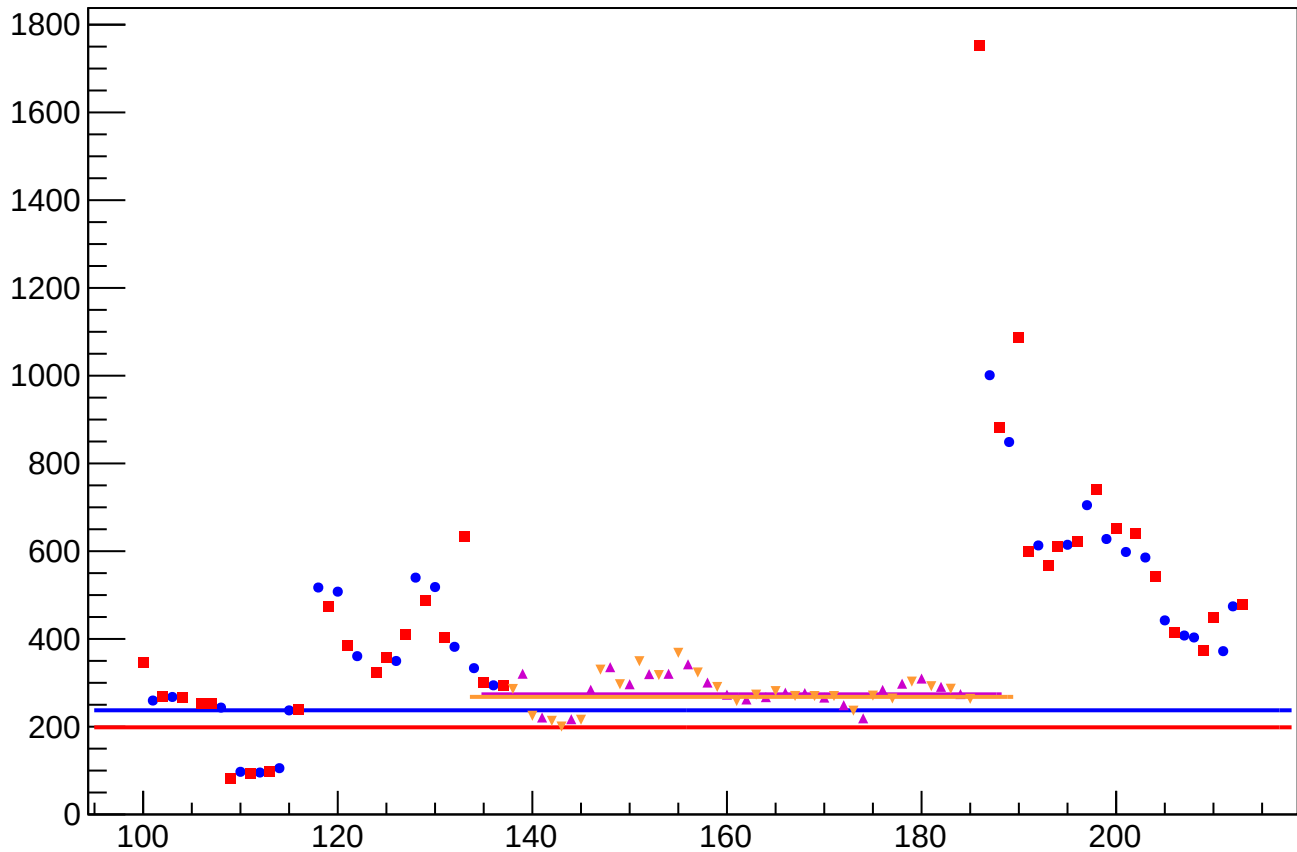
Left In: -59.160 ± 64.636 χ^2/NDF : 26.8/22

+ sign -231.950 ± 46.488 χ^2/NDF : 90.0/53

All: -145.366 ± 32.106 χ^2/NDF : 158.3/110

- sign -66.410 ± 44.393 χ^2/NDF : 61.7/56

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 237.388 $\pm$ 0.050 χ^2 /NDF: 12011448.9/28

Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862797.1/24

Right Out: 198.599 $\pm$ 0.043 χ^2 /NDF: 16471660.3/33

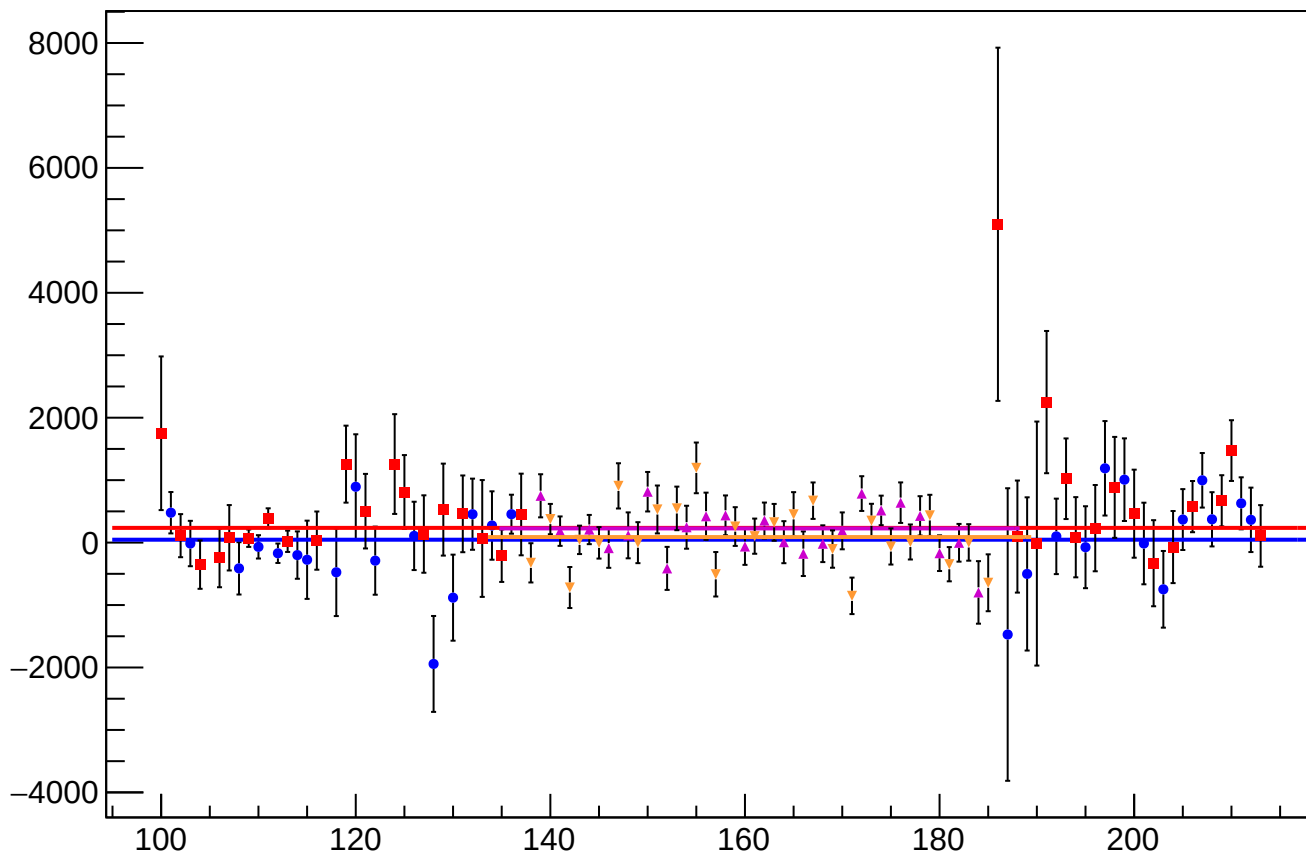
Left In: 273.750 $\pm$ 0.046 χ^2 /NDF: 650300.9/22

+ sign 254.742 $\pm$ 0.033 χ^2 /NDF: 13086915.3/53

All: 243.919 $\pm$ 0.023 χ^2 /NDF: 31844419.3/11

- sign 234.049 $\pm$ 0.031 χ^2 /NDF: 18550236.0/56

asym_sam8_mean vs Slug



Right In: 46.218+/-76.325 χ^2/NDF : 33.6/28

Left Out: 88.397+/-60.666 χ^2/NDF : 52.2/24

Right Out: 235.634+/-67.739 χ^2/NDF : 34.0/33

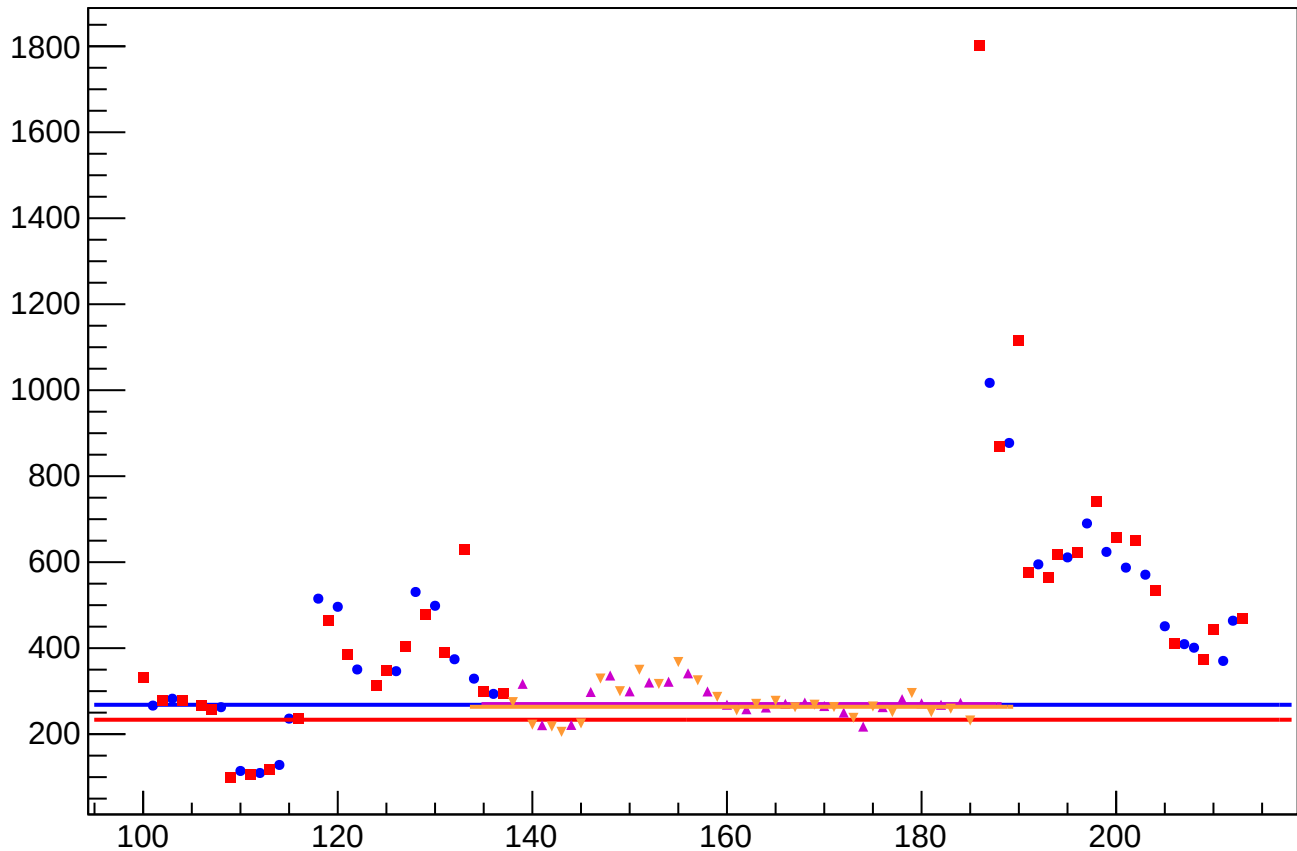
Left In: 226.867+/-63.677 χ^2/NDF : 28.8/22

+ sign 72.066+/-47.491 χ^2/NDF : 86.0/53

All: 153.377+/-33.187 χ^2/NDF : 154.6/110

- sign 230.980+/-46.396 χ^2/NDF : 62.9/56

asym_sam8_rms vs Slug



Right In: 268.253+/-0.054 χ^2/NDF : 9834513.4/28

Left Out: 263.593+/-0.043 χ^2/NDF : 779853.4/24

Right Out: 233.493+/-0.048 χ^2/NDF : 13896769.4/33

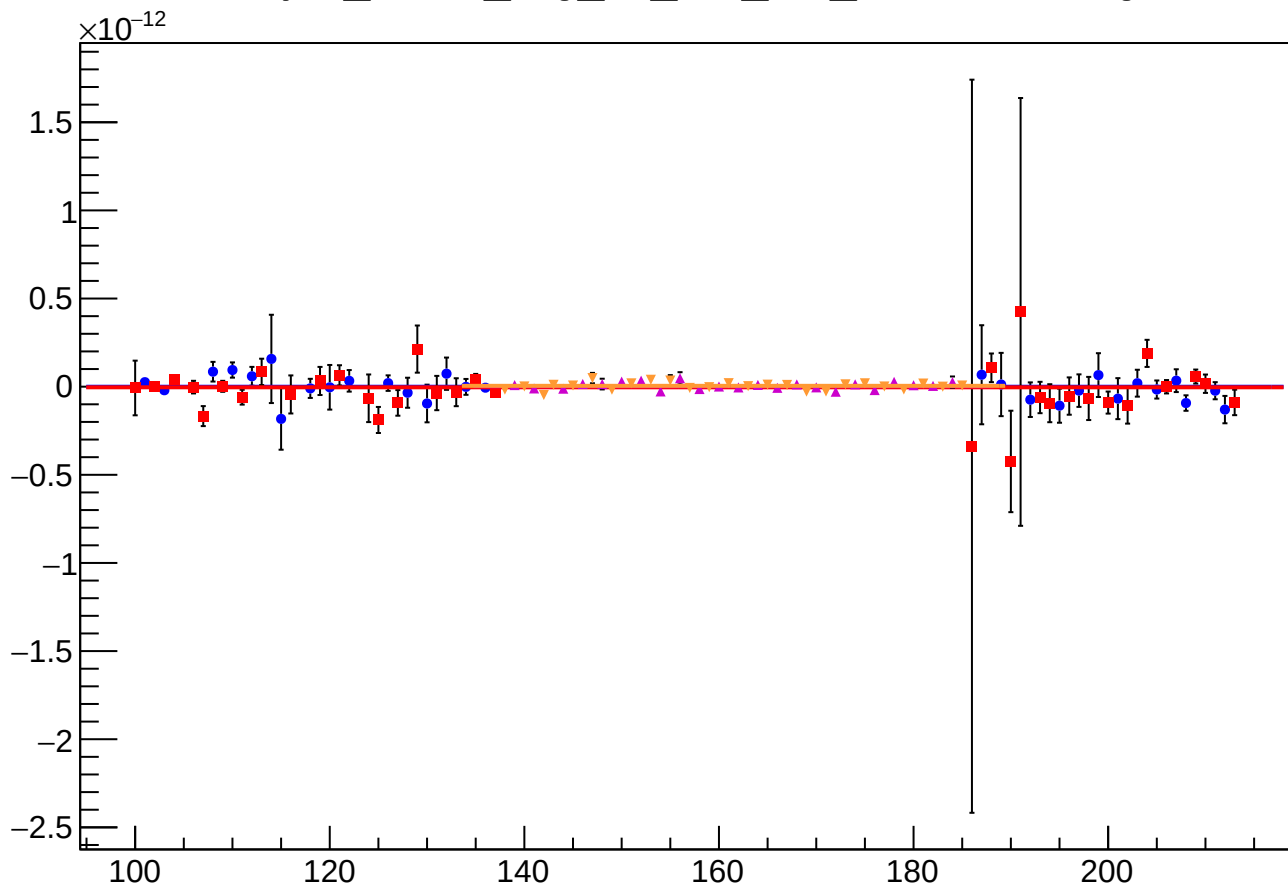
Left In: 269.898+/-0.045 χ^2/NDF : 602244.3/22

+ sign 265.397+/-0.034 χ^2/NDF : 10618935.3/53

All: 258.961+/-0.023 χ^2/NDF : 25496391.6/1

- sign 252.819+/-0.033 χ^2/NDF : 14805682.0/56

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 49.4/33

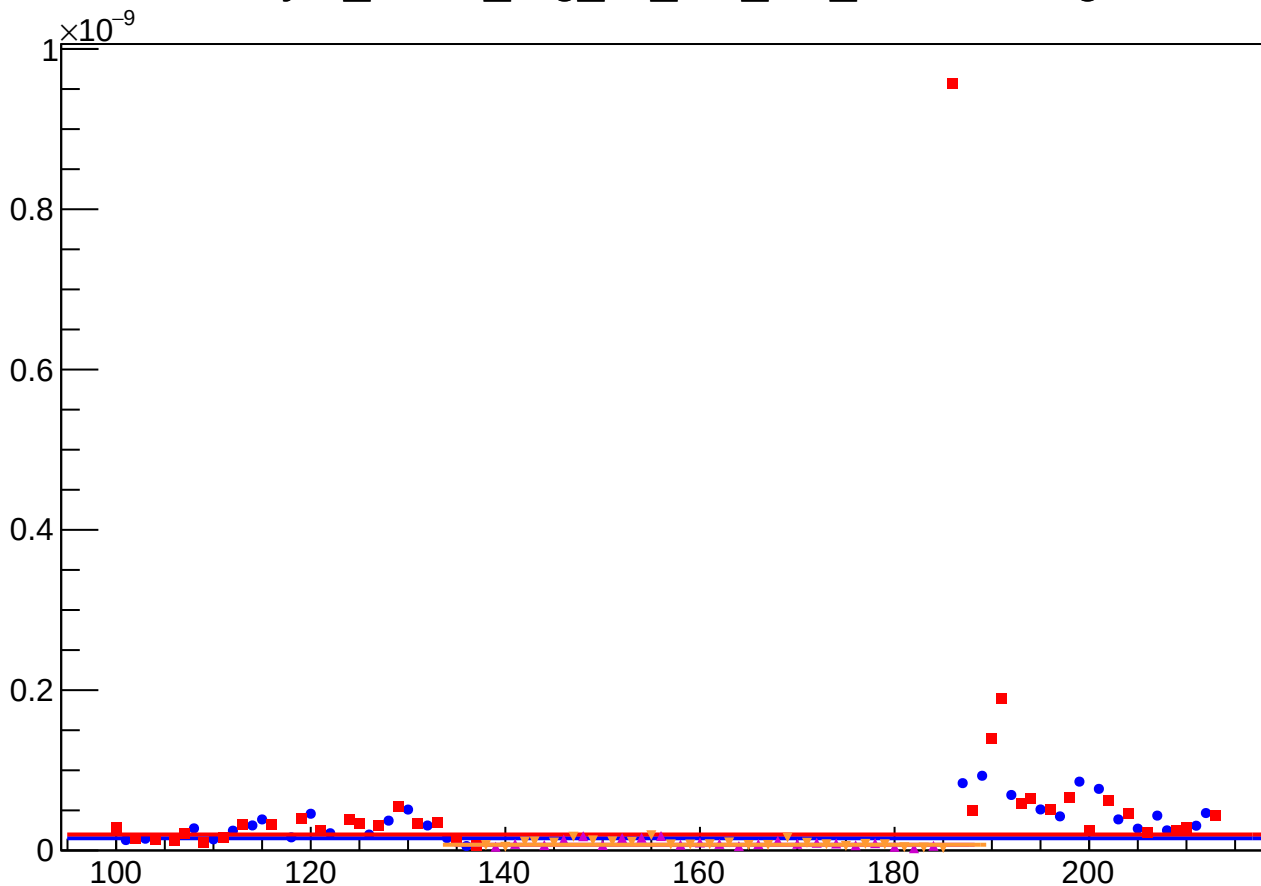
Left In: 0.000 ± 0.000 χ^2/NDF : 21.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 53.1/53

All: 0.000 ± 0.000 χ^2/NDF : 124.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 71.4/56

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6317757.9/28

Left Out: 0.000+/-0.000 χ^2/NDF :1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4936354.7/33

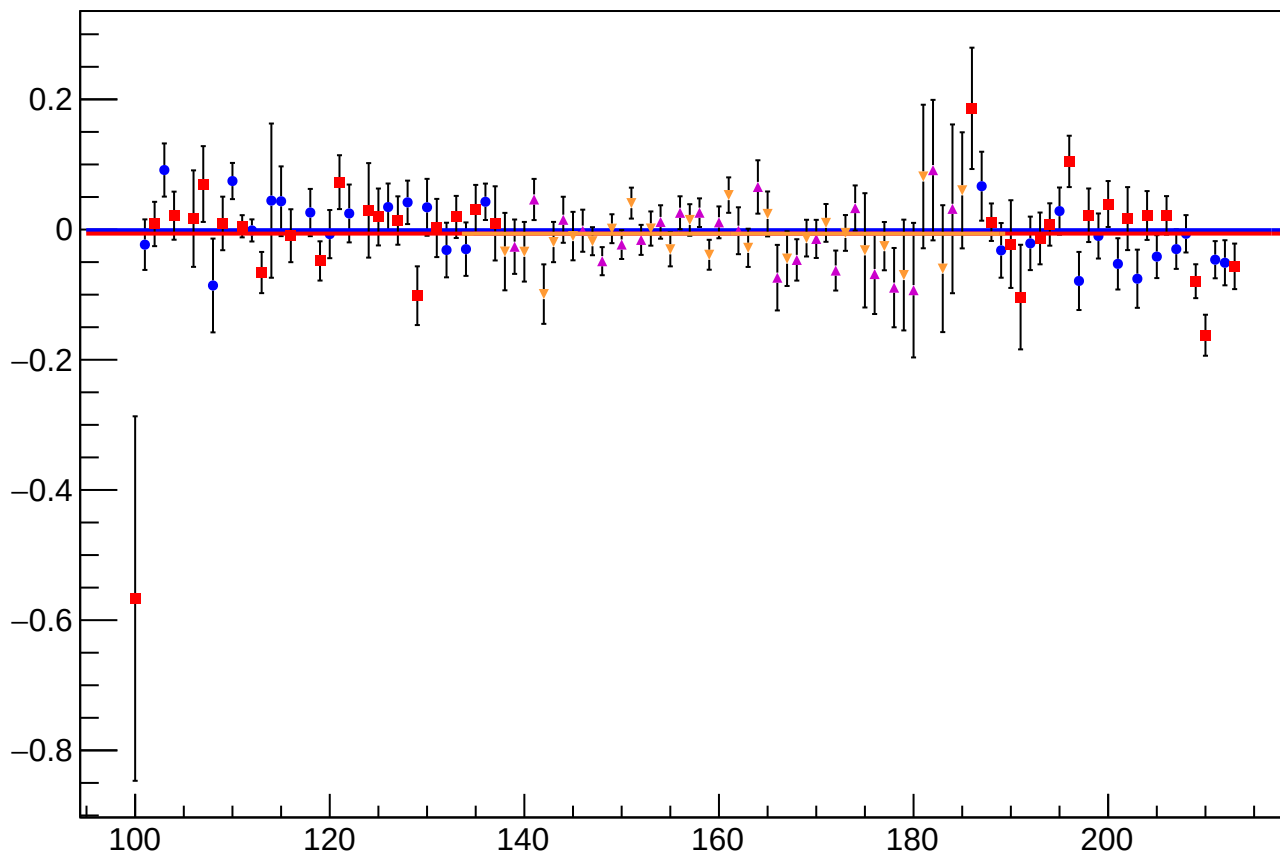
Left In: 0.000+/-0.000 χ^2/NDF :2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 10196779.5/53

All: 0.000+/-0.000 χ^2/NDF : 20877644.3/110

- sign 0.000+/-0.000 χ^2/NDF : 10671642.1/56

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 40.5/28

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.006 ± 0.006 χ^2/NDF : 76.0/33

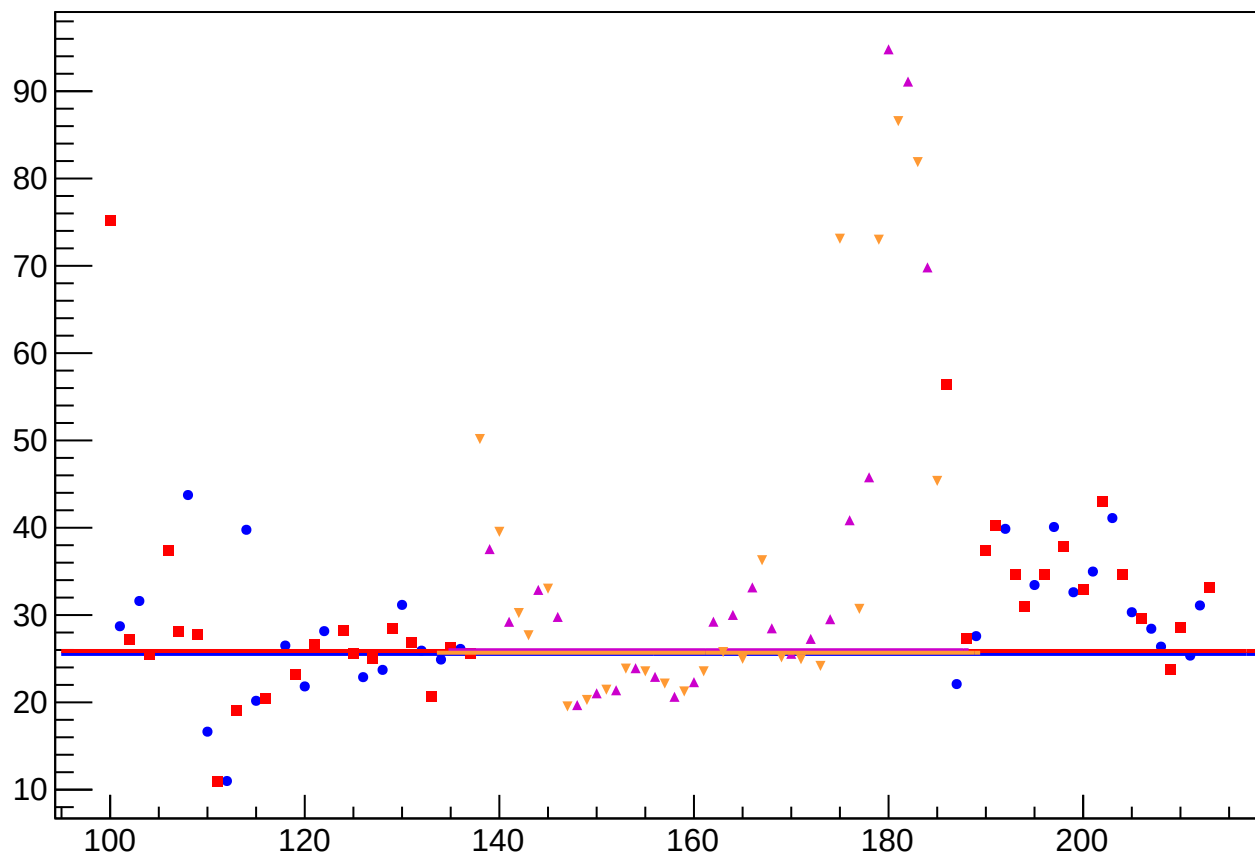
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.004 ± 0.005 χ^2/NDF : 63.4/53

All: -0.005 ± 0.003 χ^2/NDF : 168.0/110

- sign -0.006 ± 0.005 χ^2/NDF : 104.4/56

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.549 $\pm$ 0.005 χ^2 /NDF: 3104970.2/28

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF:3871541.1/24

Right Out: 25.884 $\pm$ 0.004 χ^2 /NDF: 3211802.4/33

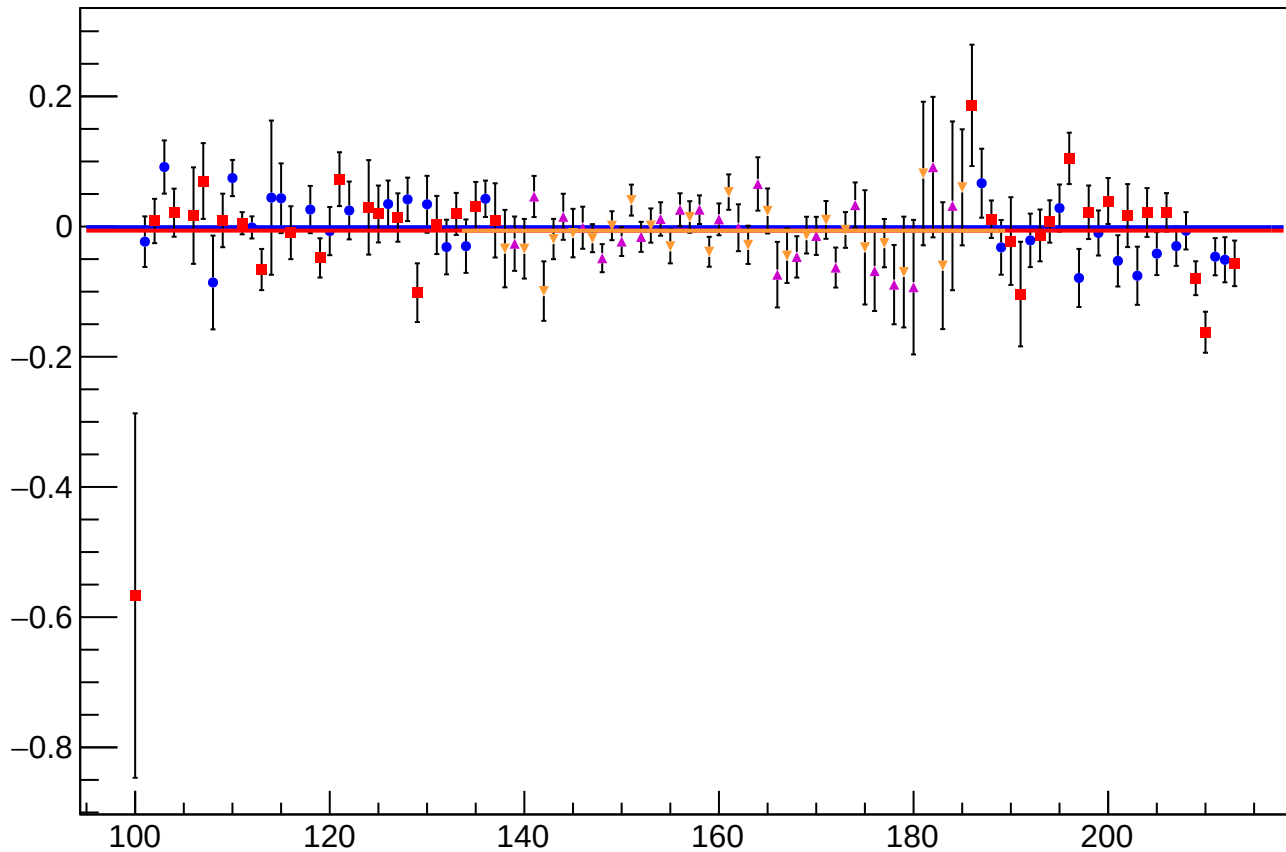
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF:3118335.6/22

+ sign 25.619 $\pm$ 0.003 χ^2 /NDF: 6976951.6/53

All: 25.772 $\pm$ 0.002 χ^2 /NDF: 13311769.3/110

- sign 25.926 $\pm$ 0.003 χ^2 /NDF: 6330320.1/56

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 40.5/28

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.006 ± 0.006 χ^2/NDF : 76.0/33

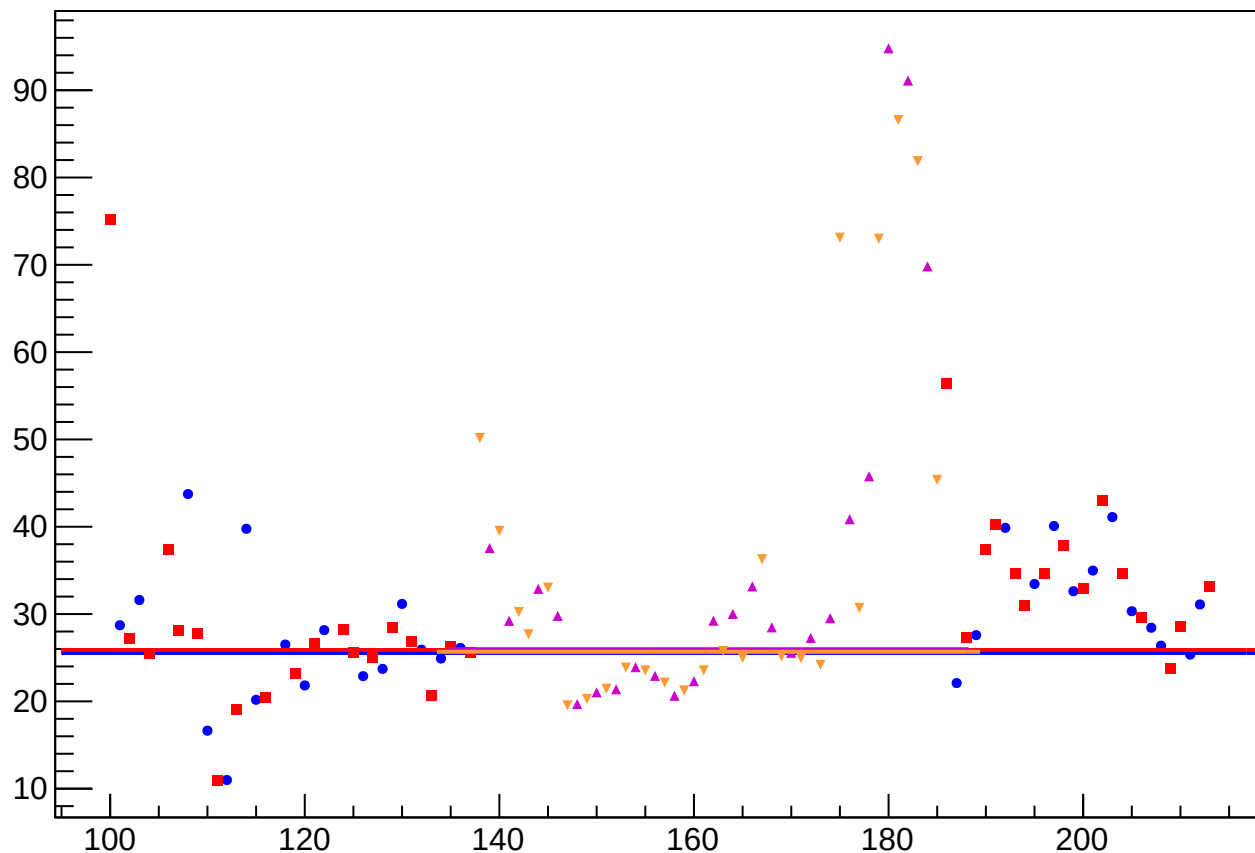
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.004 ± 0.005 χ^2/NDF : 63.4/53

All: -0.005 ± 0.003 χ^2/NDF : 168.0/110

- sign -0.006 ± 0.005 χ^2/NDF : 104.4/56

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.549 $\pm$ 0.005 χ^2 /NDF: 3104970.2/28

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871541.1/24

Right Out: 25.884 $\pm$ 0.004 χ^2 /NDF: 3211802.4/33

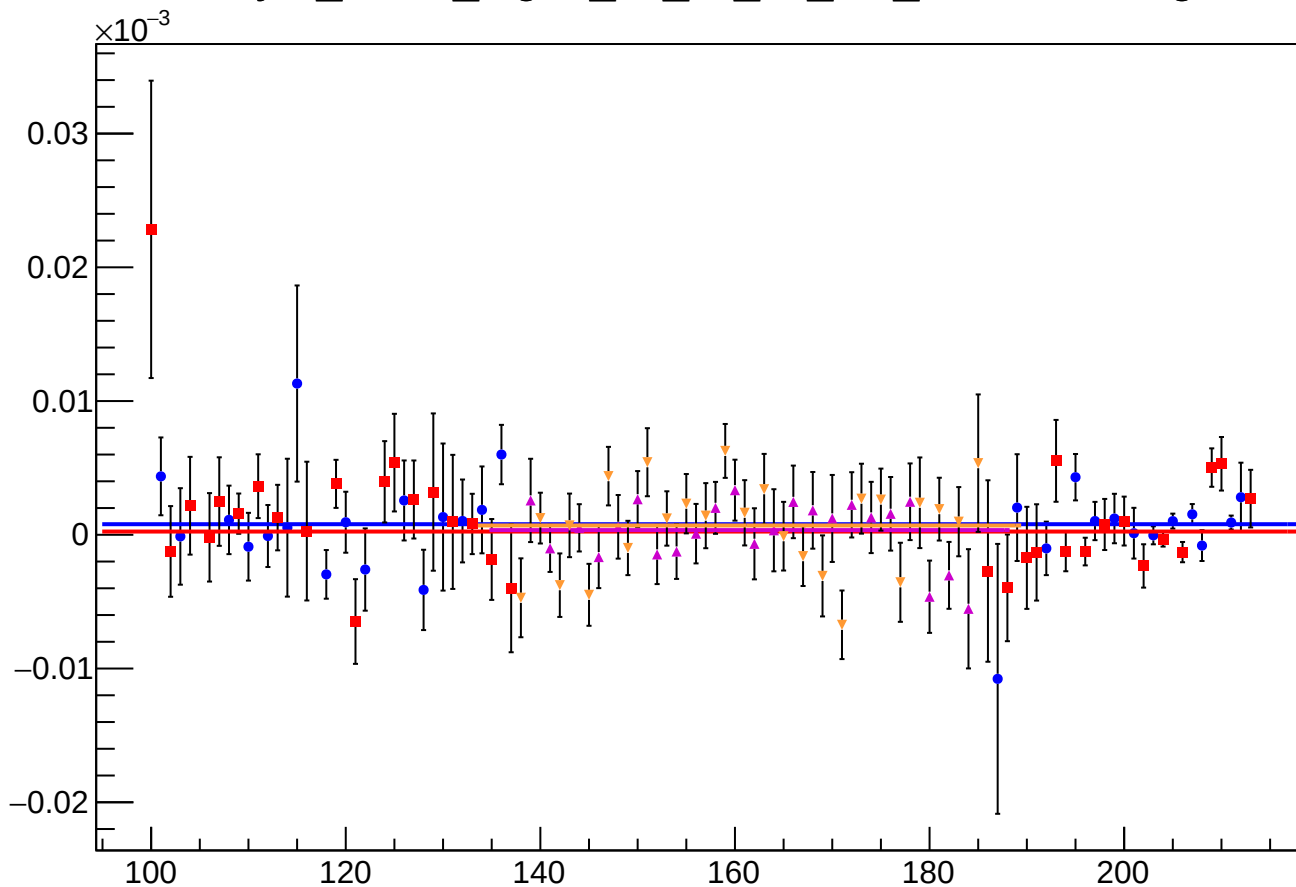
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118335.6/22

+ sign 25.619 $\pm$ 0.003 χ^2 /NDF: 6976951.6/53

All: 25.772 $\pm$ 0.002 χ^2 /NDF: 13311769.3/110

- sign 25.926 $\pm$ 0.003 χ^2 /NDF: 6330320.1/56

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:44.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.8/33

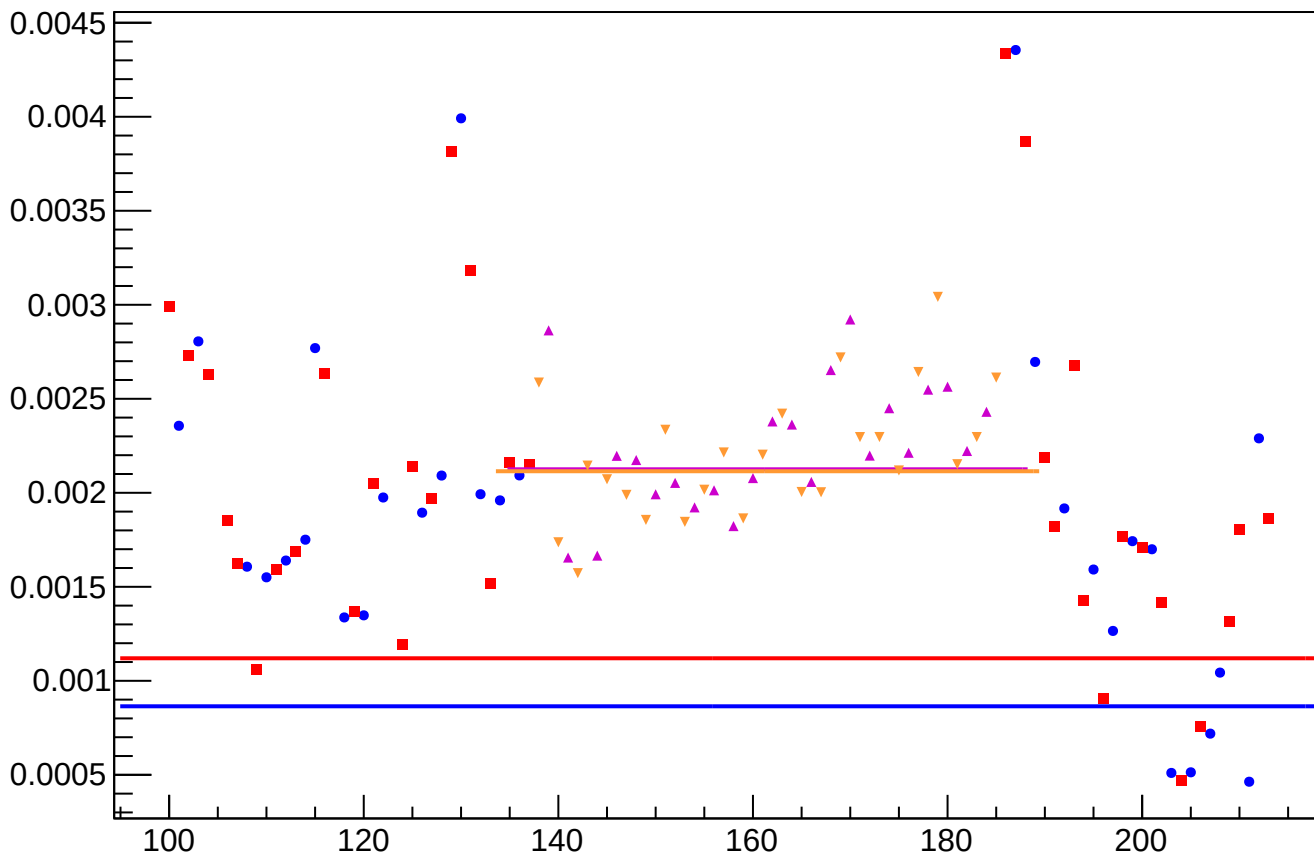
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.5/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 149.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.2/56

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10462453.8/28

Left Out: 0.002+/-0.000 χ^2/NDF : 743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF : 9520496.1/33

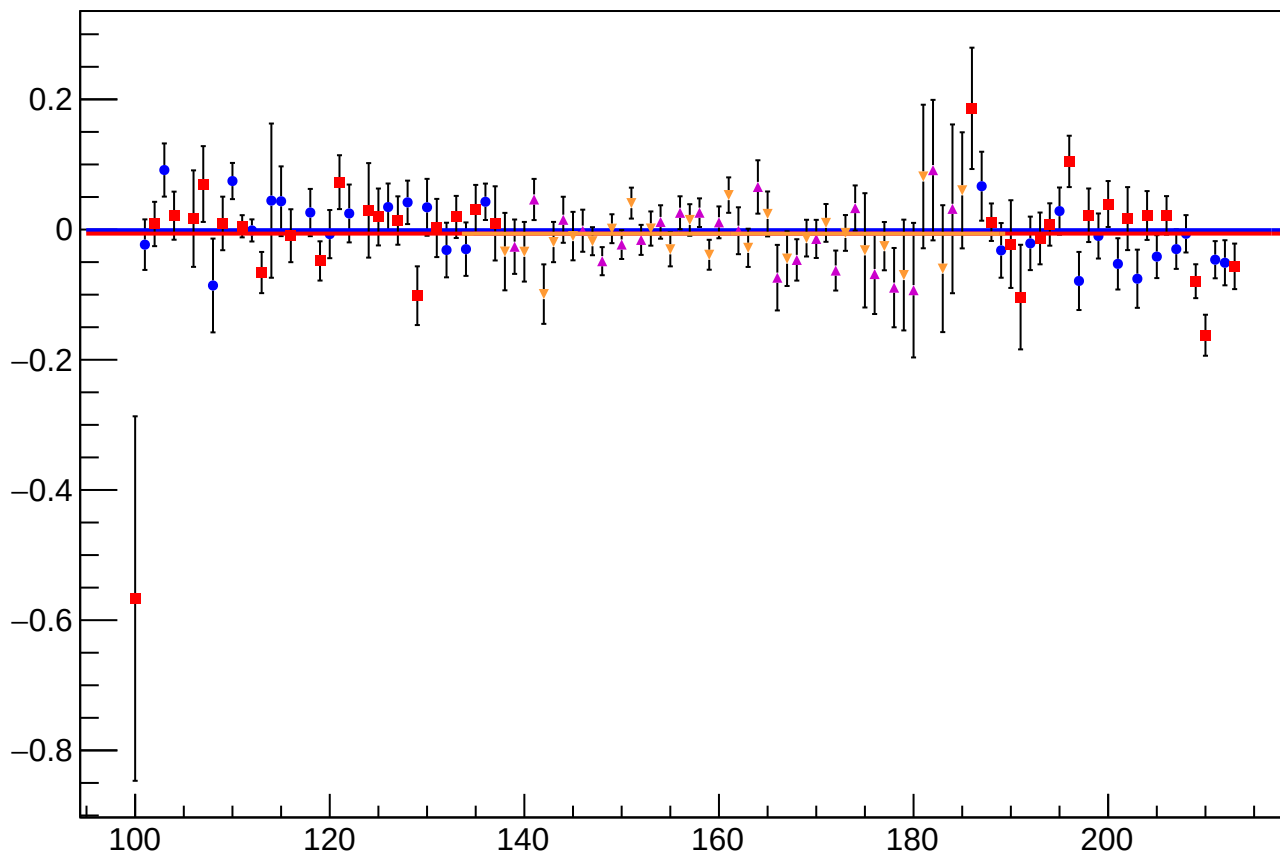
Left In: 0.002+/-0.000 χ^2/NDF : 837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF : 21571765.6/53

All: 0.001+/-0.000 χ^2/NDF : 38863412.3/110

- sign 0.001+/-0.000 χ^2/NDF : 16204831.1/56

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 40.5/28

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.006 ± 0.006 χ^2/NDF : 76.0/33

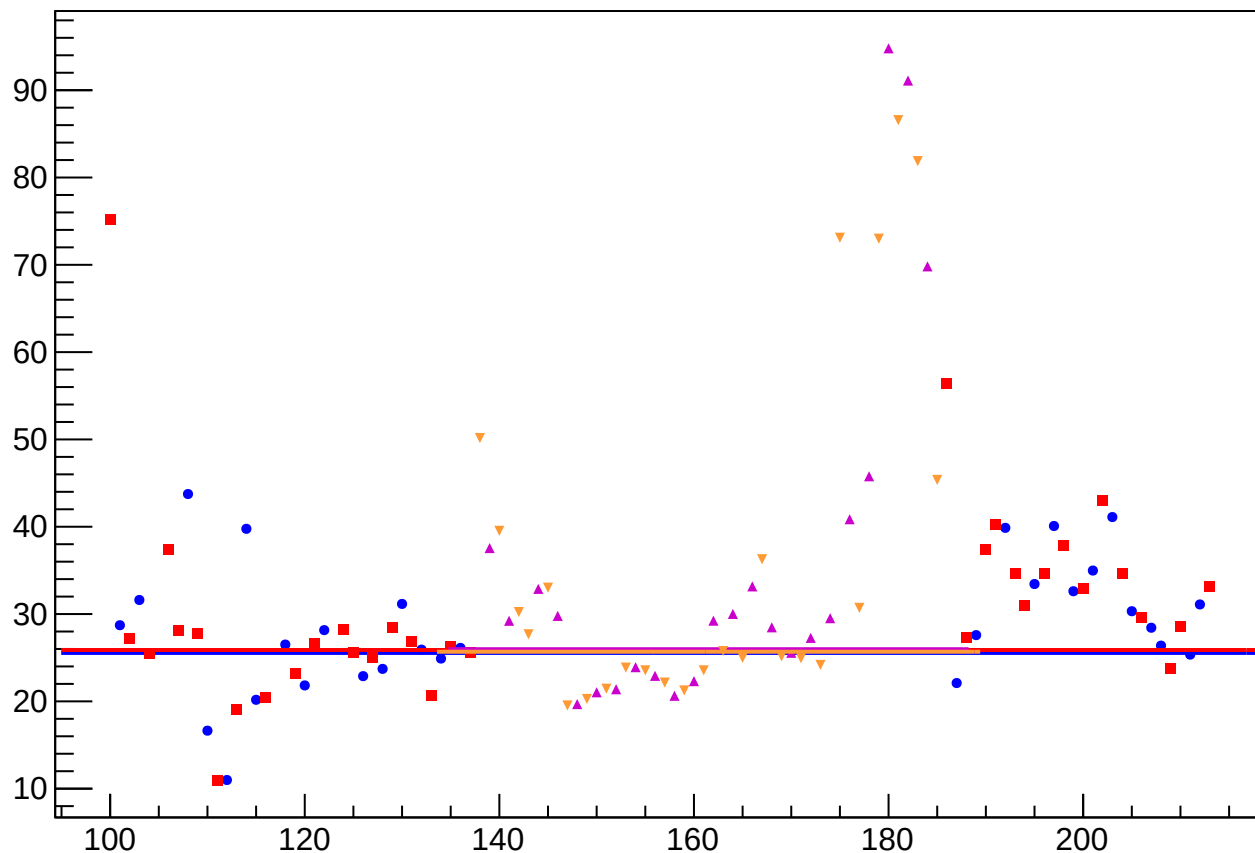
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.004 ± 0.005 χ^2/NDF : 63.4/53

All: -0.005 ± 0.003 χ^2/NDF : 168.0/110

- sign -0.006 ± 0.005 χ^2/NDF : 104.4/56

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.549 $\pm$ 0.005 χ^2 /NDF: 3105244.0/28

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 25.883 $\pm$ 0.004 χ^2 /NDF: 3212078.7/33

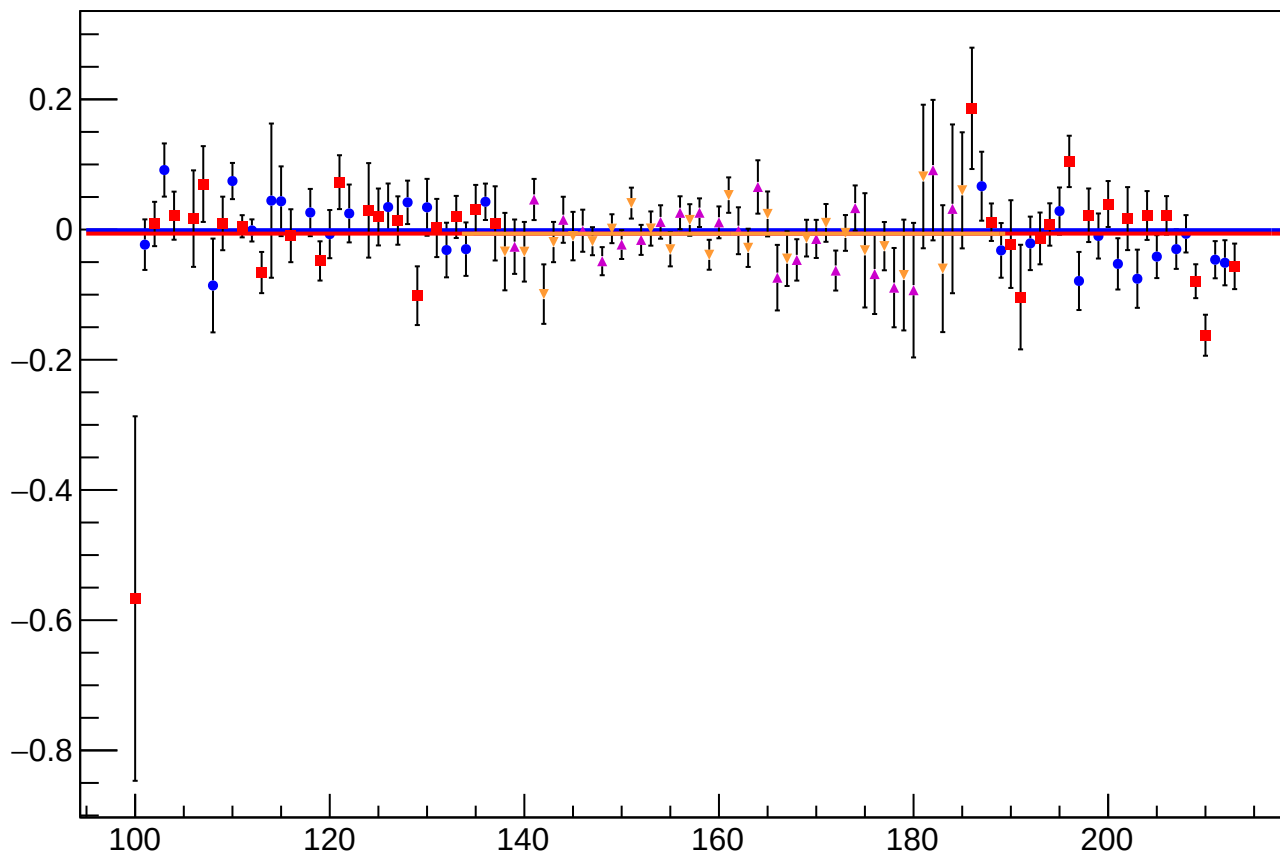
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 25.618 $\pm$ 0.003 χ^2 /NDF: 6977232.5/53

All: 25.772 $\pm$ 0.002 χ^2 /NDF: 13312307.3/110

- sign 25.926 $\pm$ 0.003 χ^2 /NDF: 6330578.8/56

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.007 χ^2/NDF : 40.5/28

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: -0.006 ± 0.006 χ^2/NDF : 76.0/33

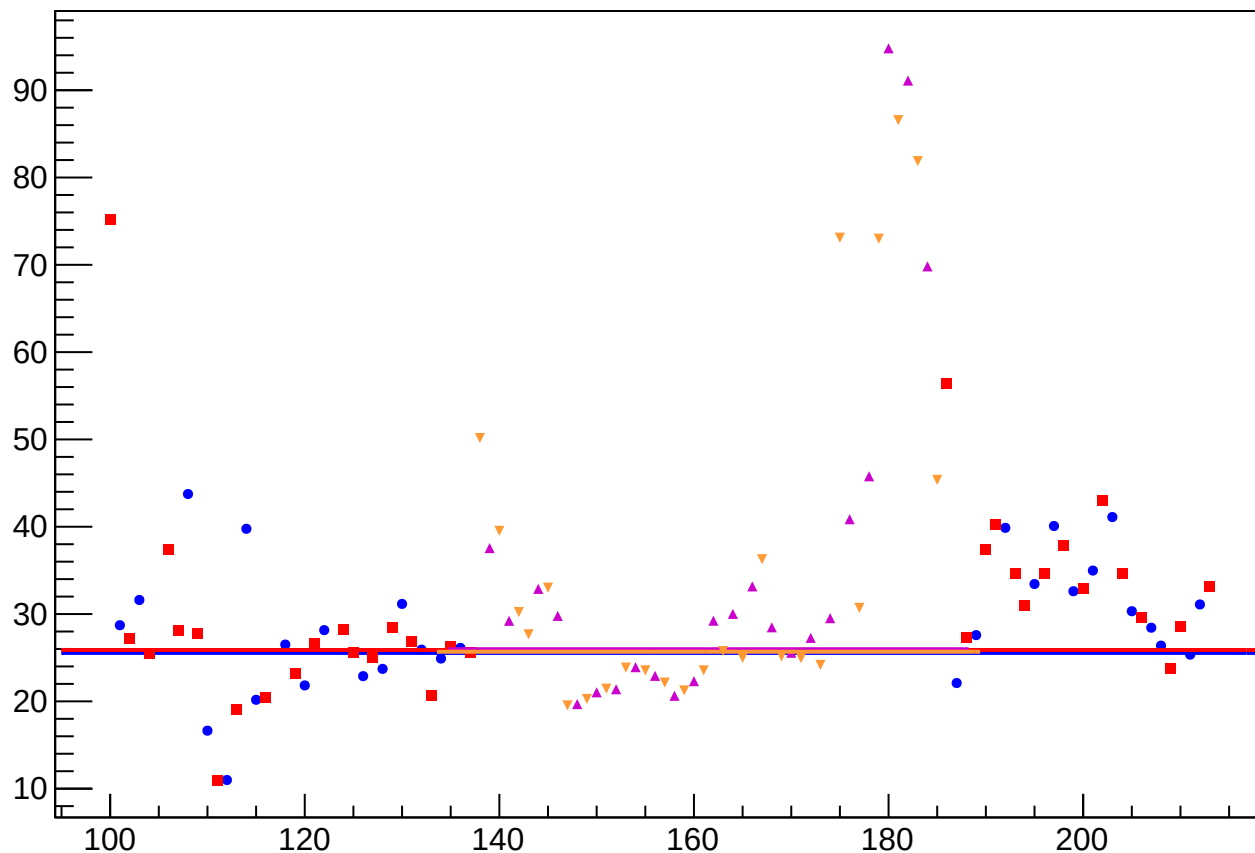
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign -0.004 ± 0.005 χ^2/NDF : 63.4/53

All: -0.005 ± 0.003 χ^2/NDF : 168.0/110

- sign -0.006 ± 0.005 χ^2/NDF : 104.4/56

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.549 $\pm$ 0.005 χ^2 /NDF: 3105244.0/28

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 25.883 $\pm$ 0.004 χ^2 /NDF: 3212078.7/33

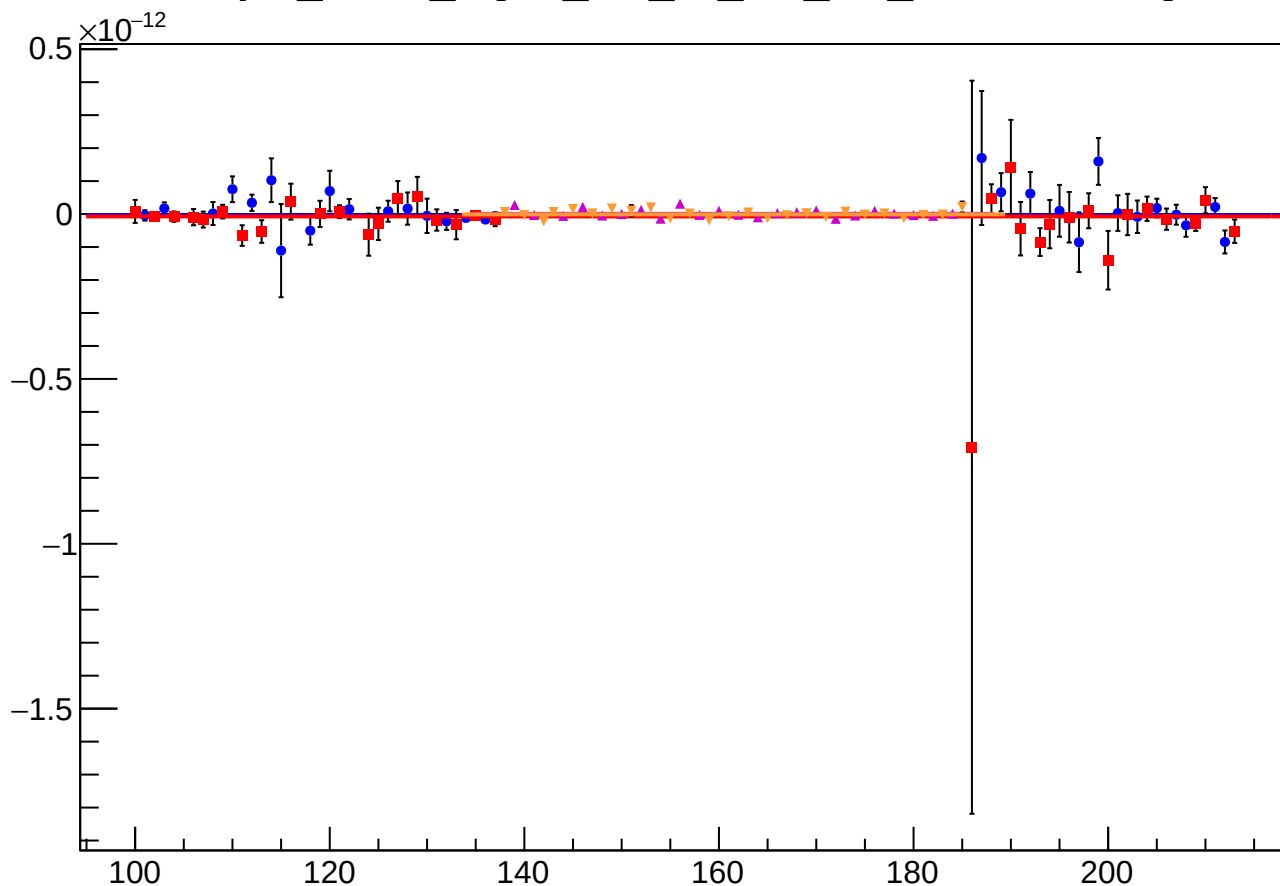
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 25.618 $\pm$ 0.003 χ^2 /NDF: 6977232.5/53

All: 25.772 $\pm$ 0.002 χ^2 /NDF: 13312307.3/110

- sign 25.926 $\pm$ 0.003 χ^2 /NDF: 6330578.8/56

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2 /NDF: 28.8/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 24.6/33

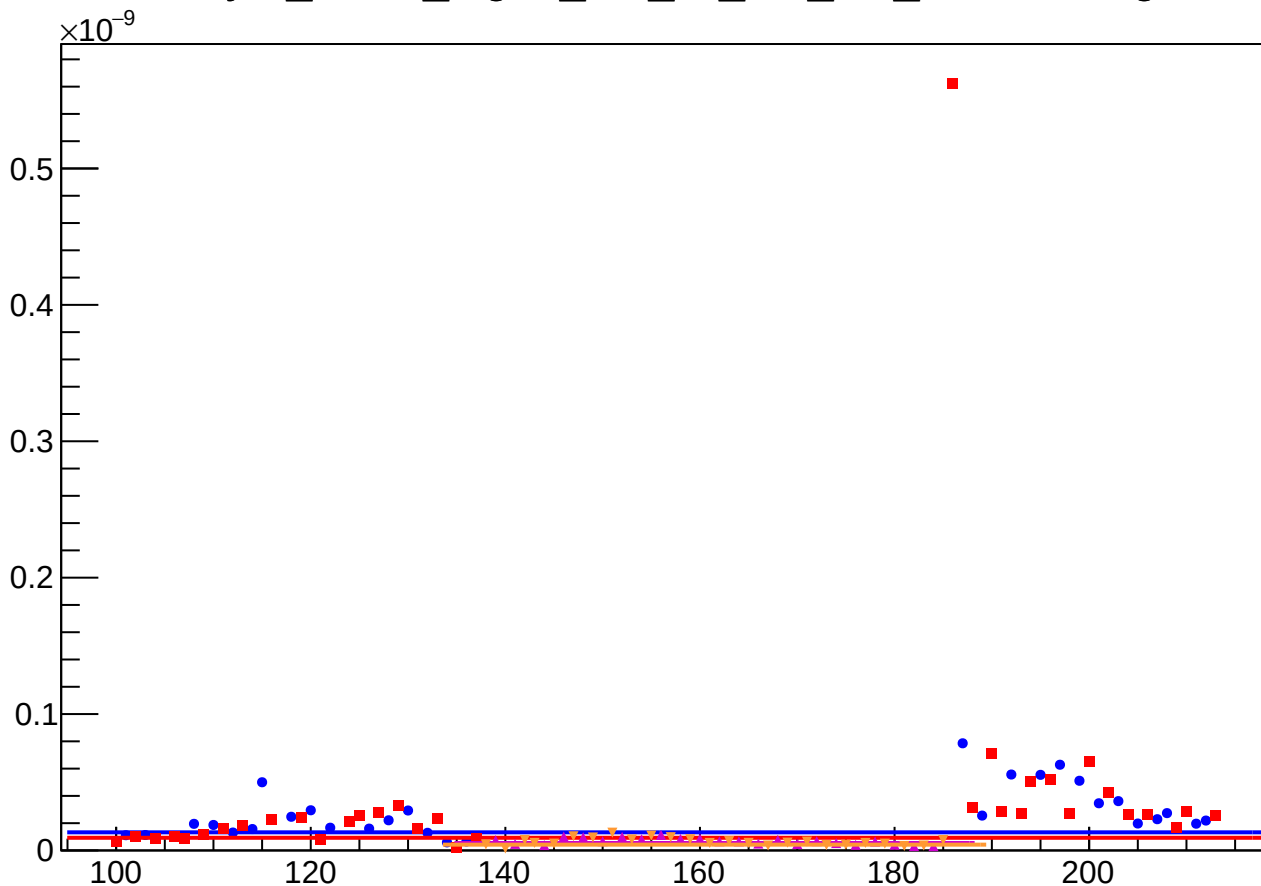
Left In: 0.000+/-0.000 χ^2 /NDF: 29.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 63.1/53

All: -0.000+/-0.000 χ^2 /NDF: 120.5/110

- sign -0.000+/-0.000 χ^2 /NDF: 57.4/56

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7021910.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11434850.9/33

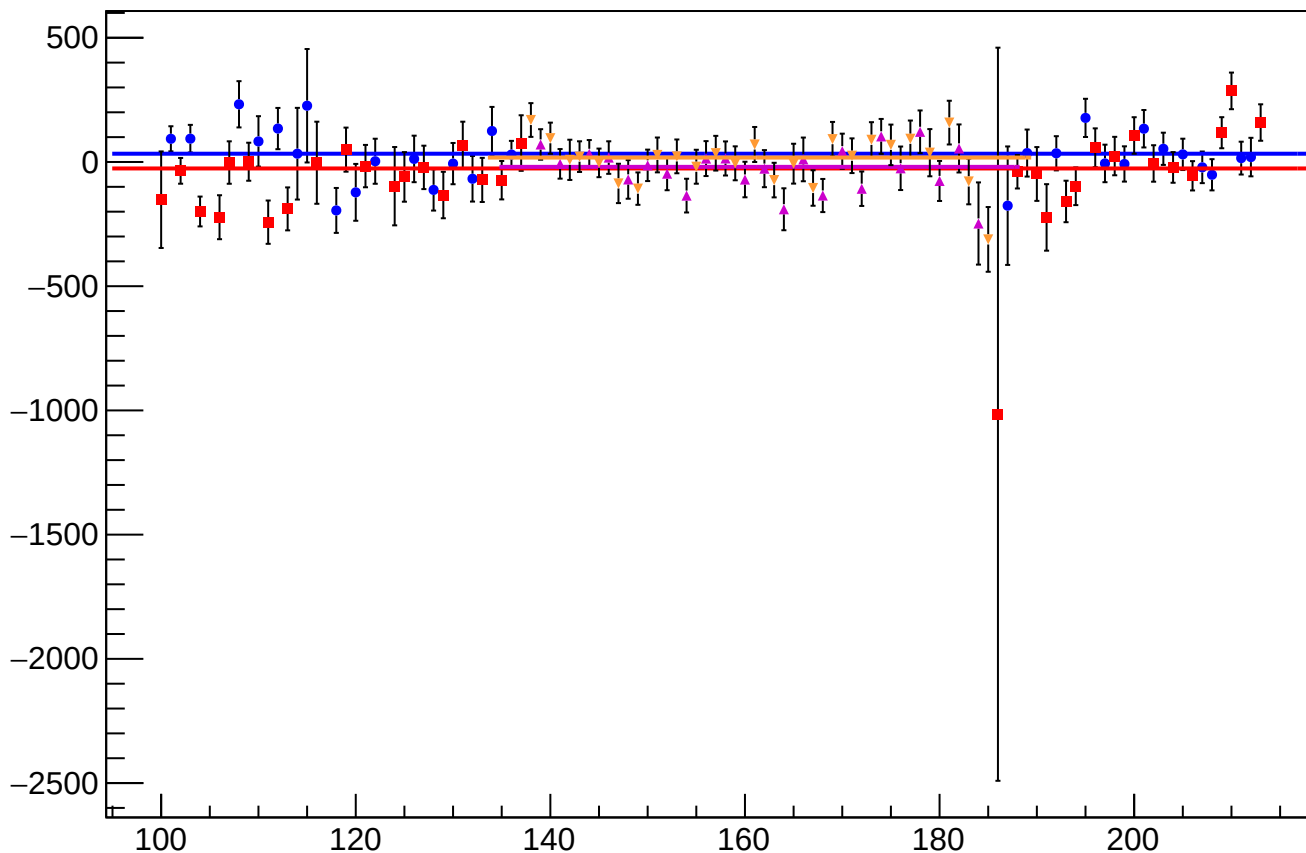
Left In: 0.000+/-0.000 χ^2/NDF : 2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 18514006.8/53

All: 0.000+/-0.000 χ^2/NDF : 34860841.1/110

- sign 0.000+/-0.000 χ^2/NDF : 15769909.9/56

reg_asym_sam_15_avg_mean vs Slug



Right In: 33.277 ± 14.368 χ^2/NDF : 32.8/28

Left Out: 17.800 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -26.085 ± 13.993 χ^2/NDF : 69.3/33

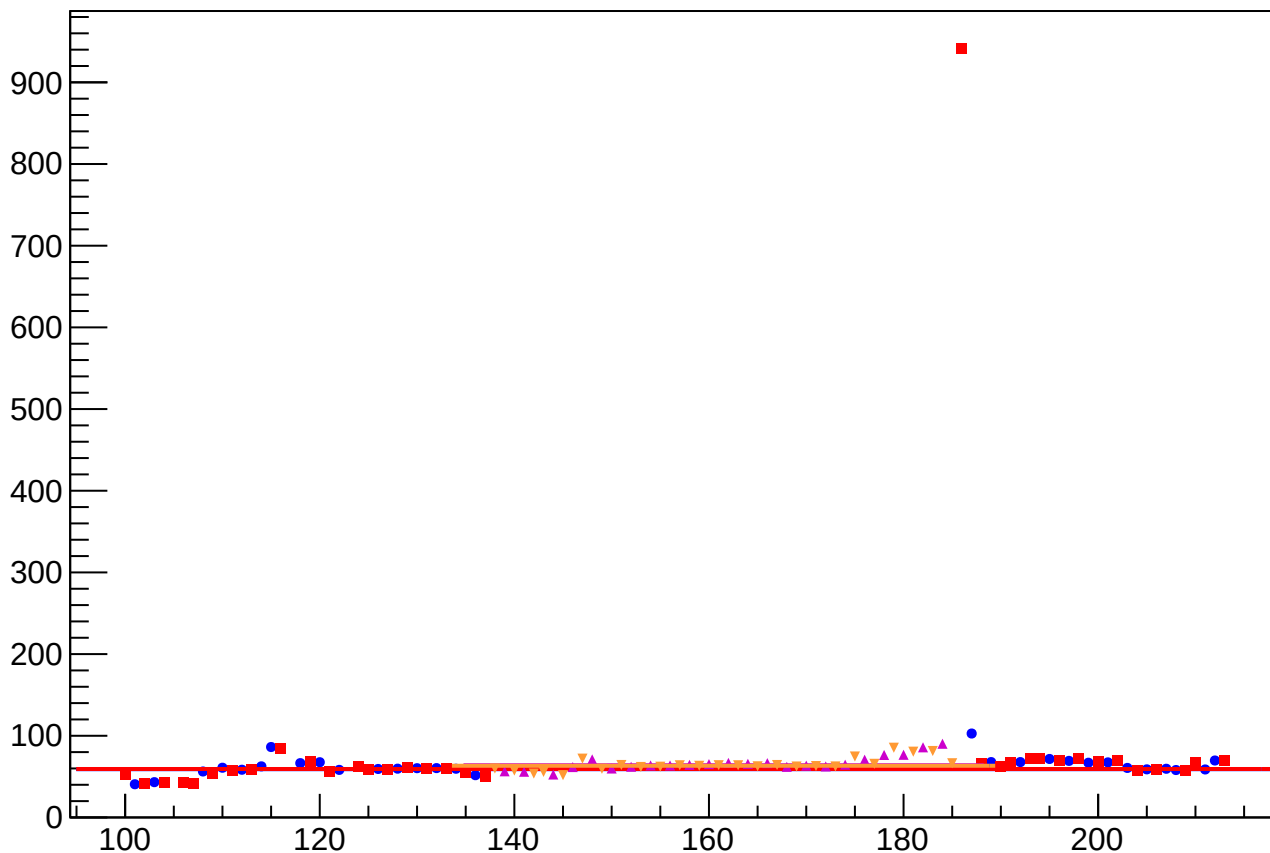
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 25.607 ± 10.204 χ^2/NDF : 64.9/53

All: 1.352 ± 7.230 χ^2/NDF : 171.9/110

- sign -23.095 ± 10.245 χ^2/NDF : 95.6/56

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.085 $\pm$ 0.010 χ^2 /NDF: 816081.3/28

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.332 $\pm$ 0.010 χ^2 /NDF: 1715968.5/33

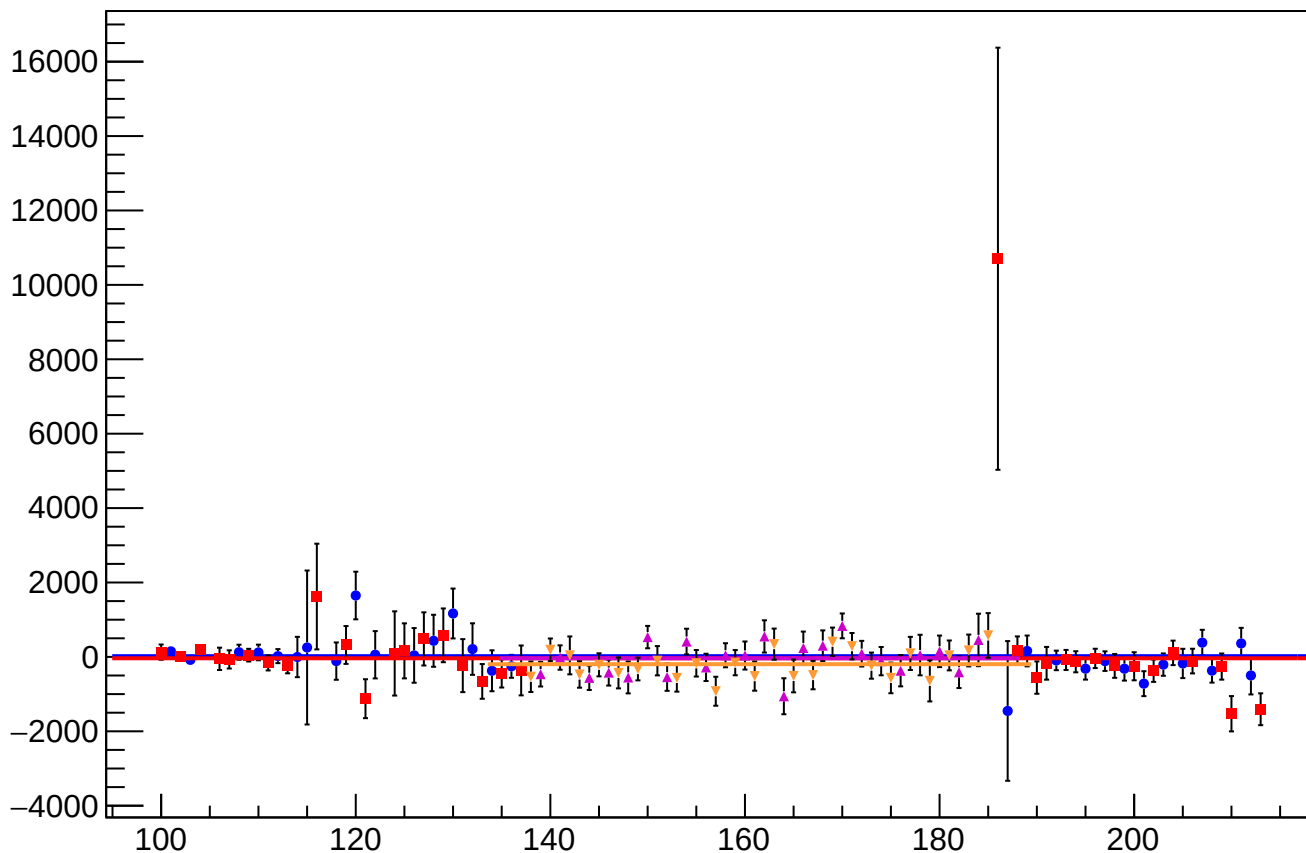
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.180 $\pm$ 0.007 χ^2 /NDF: 1399313.7/53

All: 61.320 $\pm$ 0.005 χ^2 /NDF: 3661003.4/110

- sign 61.460 $\pm$ 0.007 χ^2 /NDF: 2260939.5/56

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 19.459 ± 41.759 χ^2/NDF : 30.2/28

Left Out: -195.947 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -37.290 ± 43.913 χ^2/NDF : 48.0/33

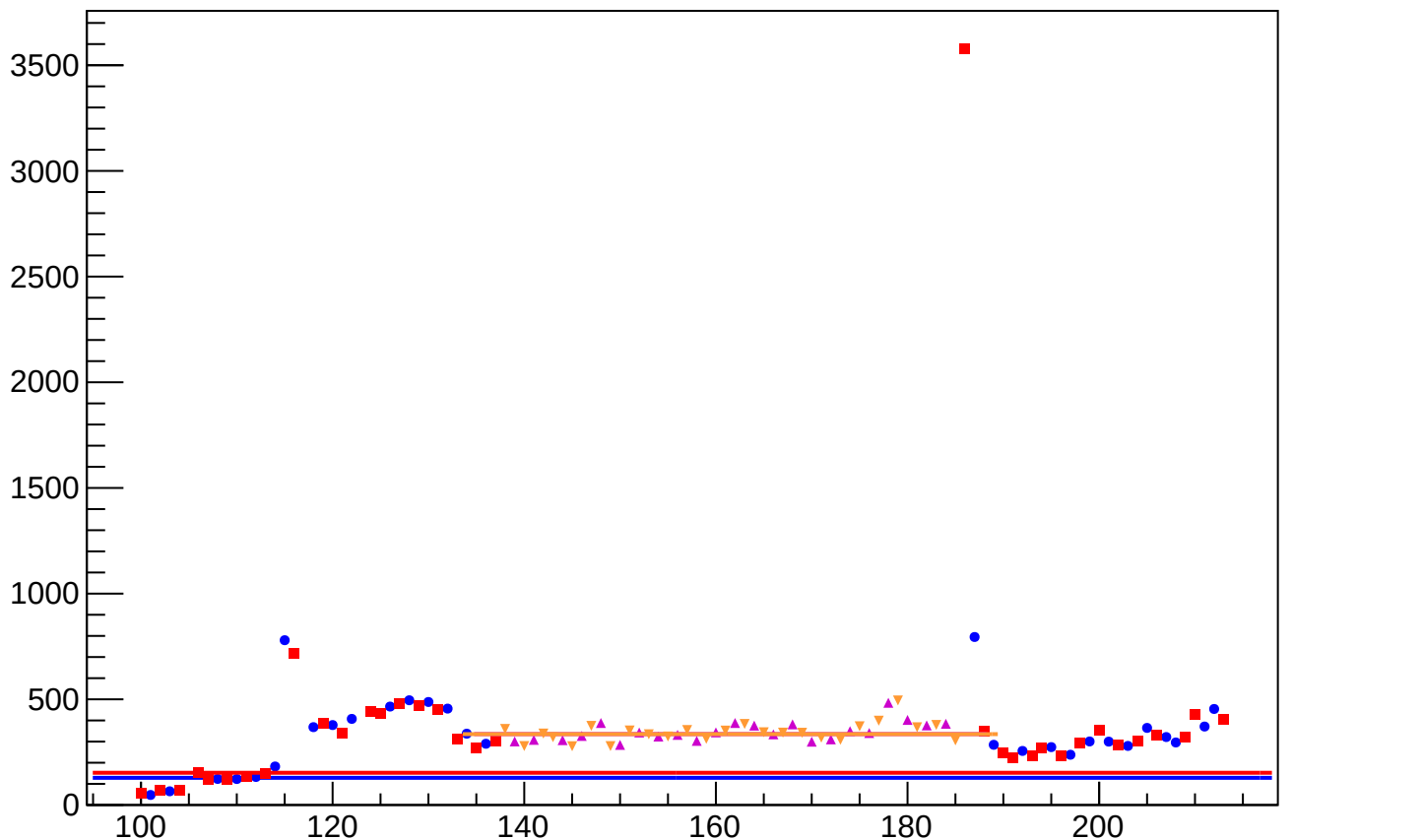
Left In: -36.417 ± 79.210 χ^2/NDF : 31.1/22

+ sign -29.411 ± 36.718 χ^2/NDF : 56.9/53

All: -33.075 ± 26.540 χ^2/NDF : 136.0/110

- sign -37.085 ± 38.406 χ^2/NDF : 79.1/56

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 128.596 $\pm$ 0.030 χ^2 /NDF: 14943810.0/28

Left Out: 335.271 $\pm$ 0.055 χ^2 /NDF: 563801.0/24

Right Out: 152.480 $\pm$ 0.031 χ^2 /NDF: 13225042.7/33

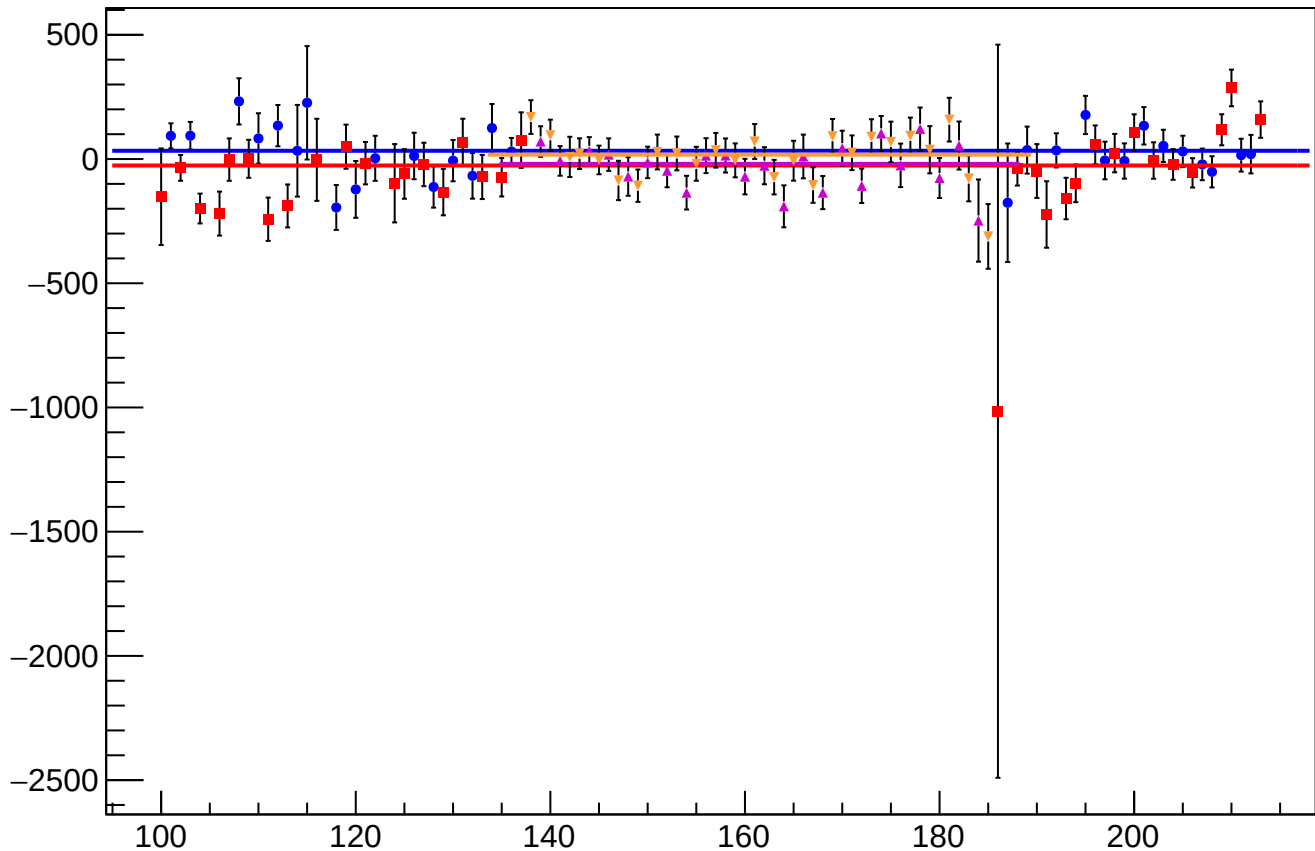
Left In: 335.526 $\pm$ 0.056 χ^2 /NDF: 495163.6/22

+ sign 175.485 $\pm$ 0.026 χ^2 /NDF: 26621872.5/53

All: 185.049 $\pm$ 0.019 χ^2 /NDF: 48795796.6/11

- sign 195.513 $\pm$ 0.027 χ^2 /NDF: 21889757.0/56

cor_asym_sam_15_avg_mean vs Slug



Right In: 33.283 ± 14.368 χ^2/NDF : 32.8/28

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -26.015 ± 13.994 χ^2/NDF : 69.1/33

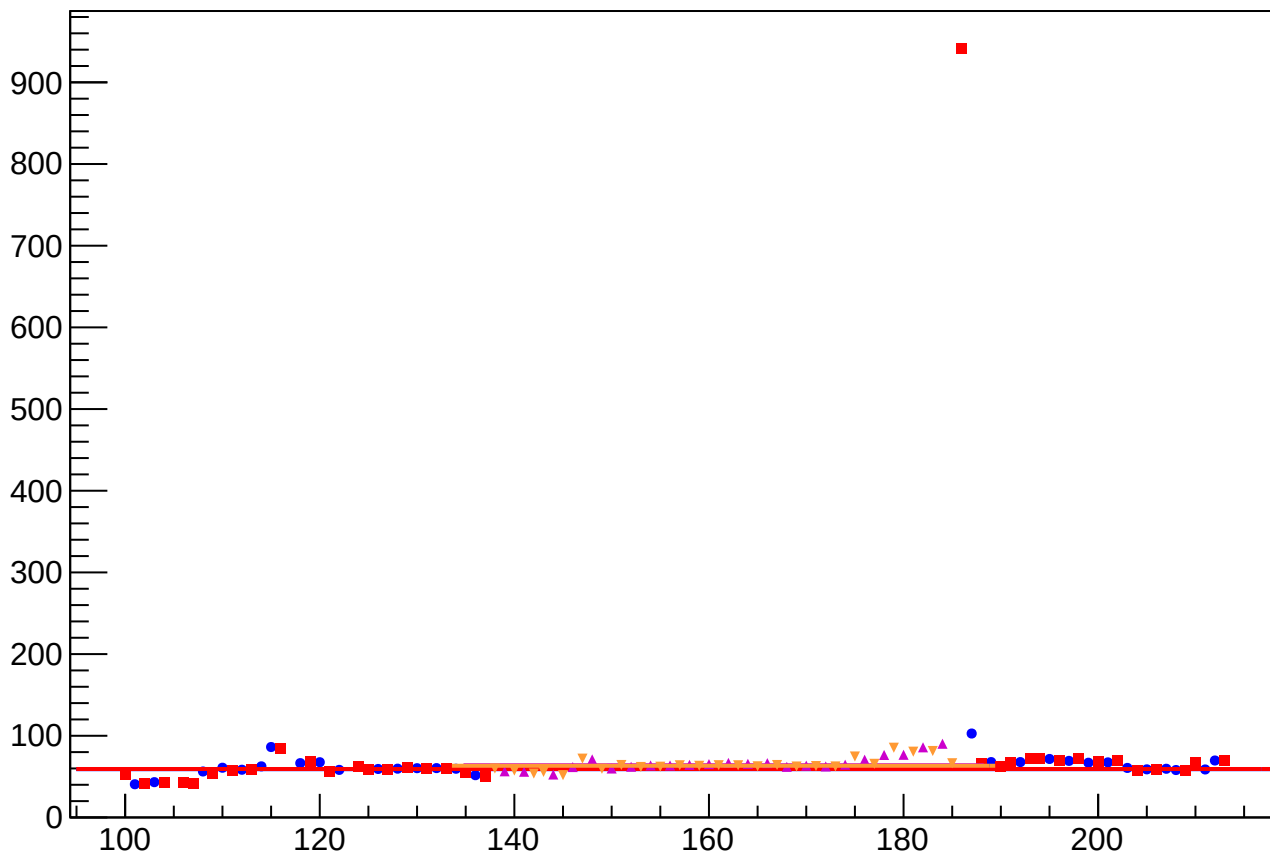
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 25.612 ± 10.204 χ^2/NDF : 64.9/53

All: 1.374 ± 7.230 χ^2/NDF : 171.8/110

- sign -23.058 ± 10.245 χ^2/NDF : 95.5/56

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.085 $\pm$ 0.010 χ^2 /NDF: 816080.3/28

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.332 $\pm$ 0.010 χ^2 /NDF: 1716393.7/33

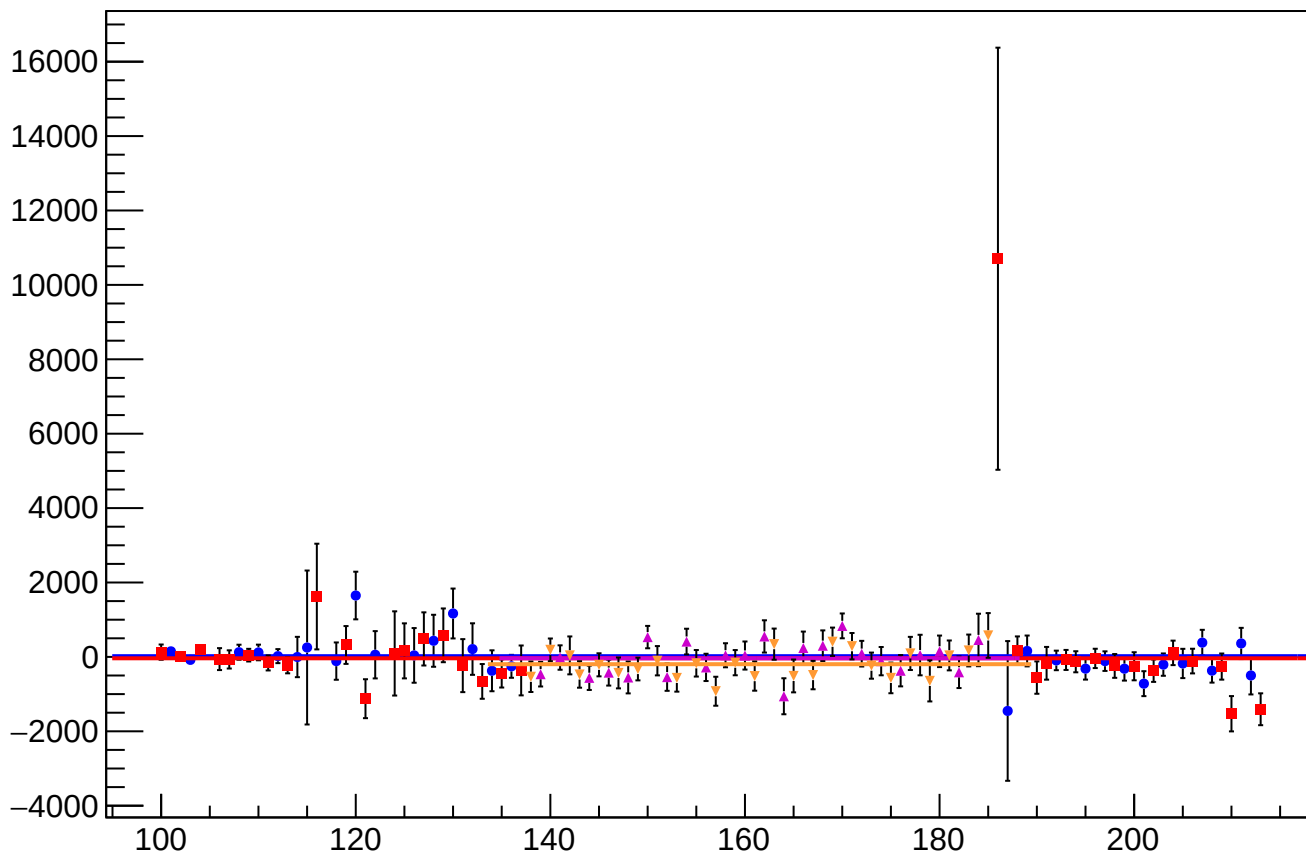
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.180 $\pm$ 0.007 χ^2 /NDF: 1399312.6/53

All: 61.319 $\pm$ 0.005 χ^2 /NDF: 3661451.8/110

- sign 61.460 $\pm$ 0.007 χ^2 /NDF: 2261390.5/56

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 19.464 ± 41.759 χ^2/NDF : 30.2/28

Left Out: -195.942 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -37.544 ± 43.885 χ^2/NDF : 48.0/33

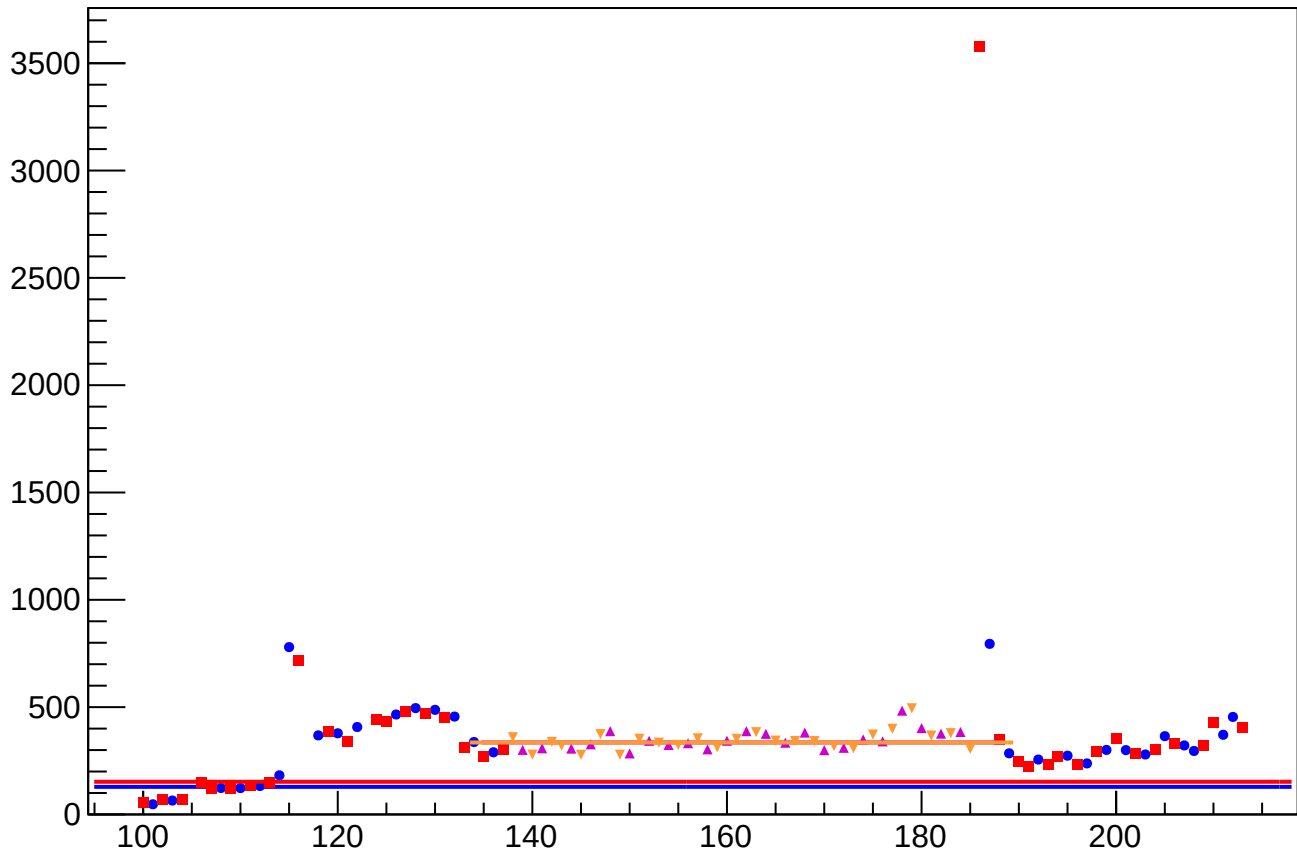
Left In: -36.414 ± 79.210 χ^2/NDF : 31.1/22

+ sign -29.405 ± 36.717 χ^2/NDF : 56.9/53

All: -33.167 ± 26.534 χ^2/NDF : 136.0/110

- sign -37.279 ± 38.387 χ^2/NDF : 79.1/56

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 128.593+/-0.030 χ^2/NDF : 14944148.0/28

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 152.287+/-0.031 χ^2/NDF : 13232133.9/33

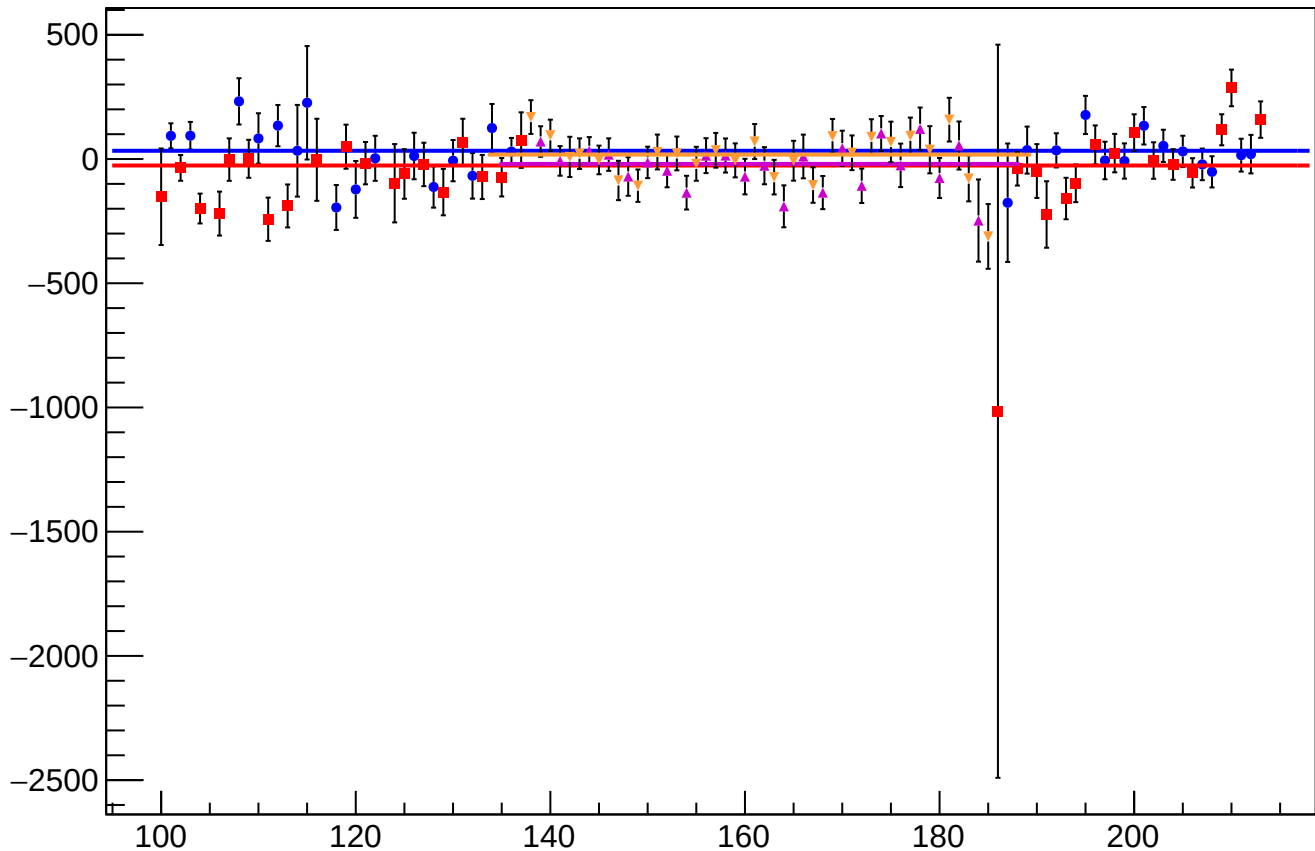
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 175.481+/-0.026 χ^2/NDF : 26622677.1/53

All: 184.961+/-0.019 χ^2/NDF : 48818333.3/11

- sign 195.323+/-0.027 χ^2/NDF : 21916615.5/56

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 33.283 $\pm$ 14.368 χ^2/NDF : 32.8/28

Left Out: 17.804 $\pm$ 14.495 χ^2/NDF : 31.6/24

Right Out: -26.015 $\pm$ 13.994 χ^2/NDF : 69.1/33

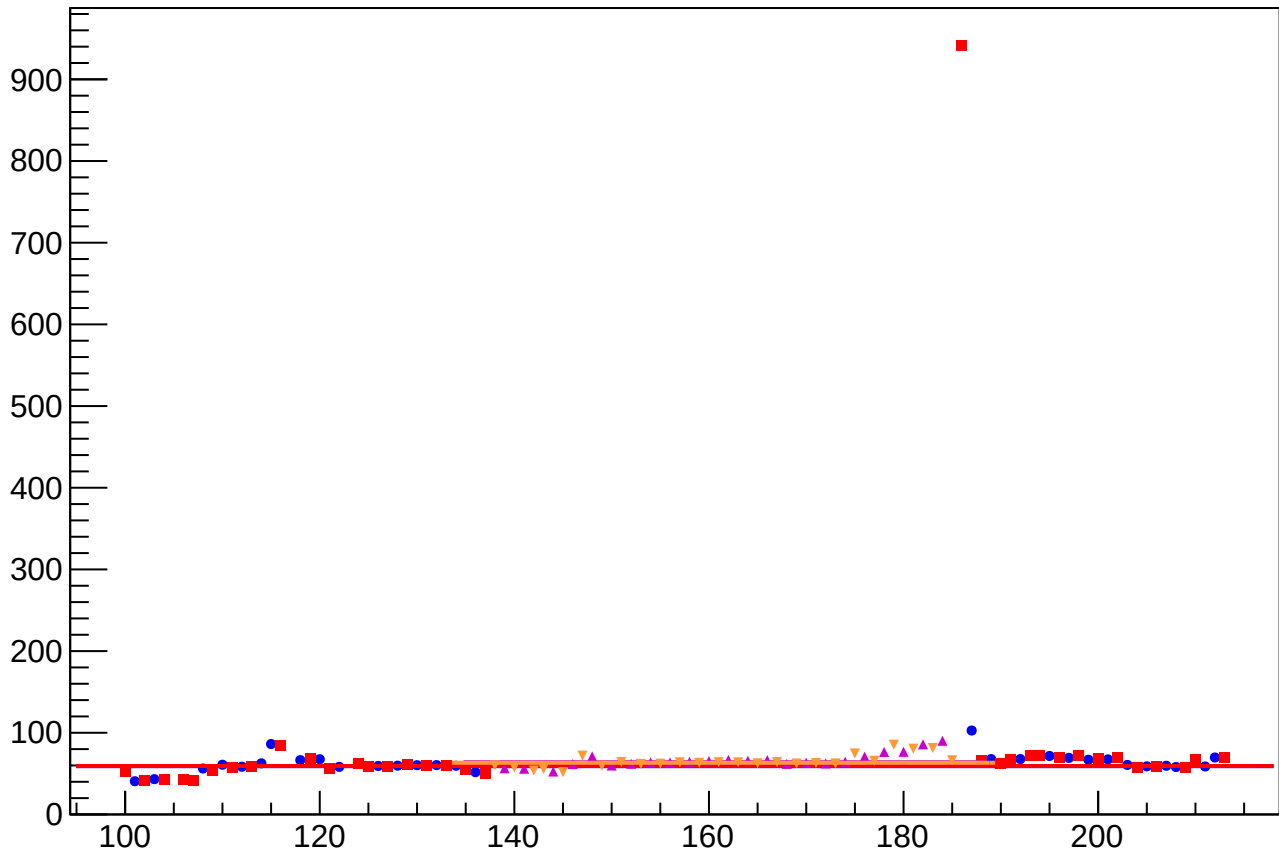
Left In: -19.642 $\pm$ 15.040 χ^2/NDF : 26.2/22

+ sign 25.612 $\pm$ 10.204 χ^2/NDF : 64.9/53

All: 1.374 $\pm$ 7.230 χ^2/NDF : 171.8/110

- sign -23.058 $\pm$ 10.245 χ^2/NDF : 95.5/56

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.085 $\pm$ 0.010 χ^2 /NDF: 816080.3/28

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 59.332 $\pm$ 0.010 χ^2 /NDF: 1716393.7/33

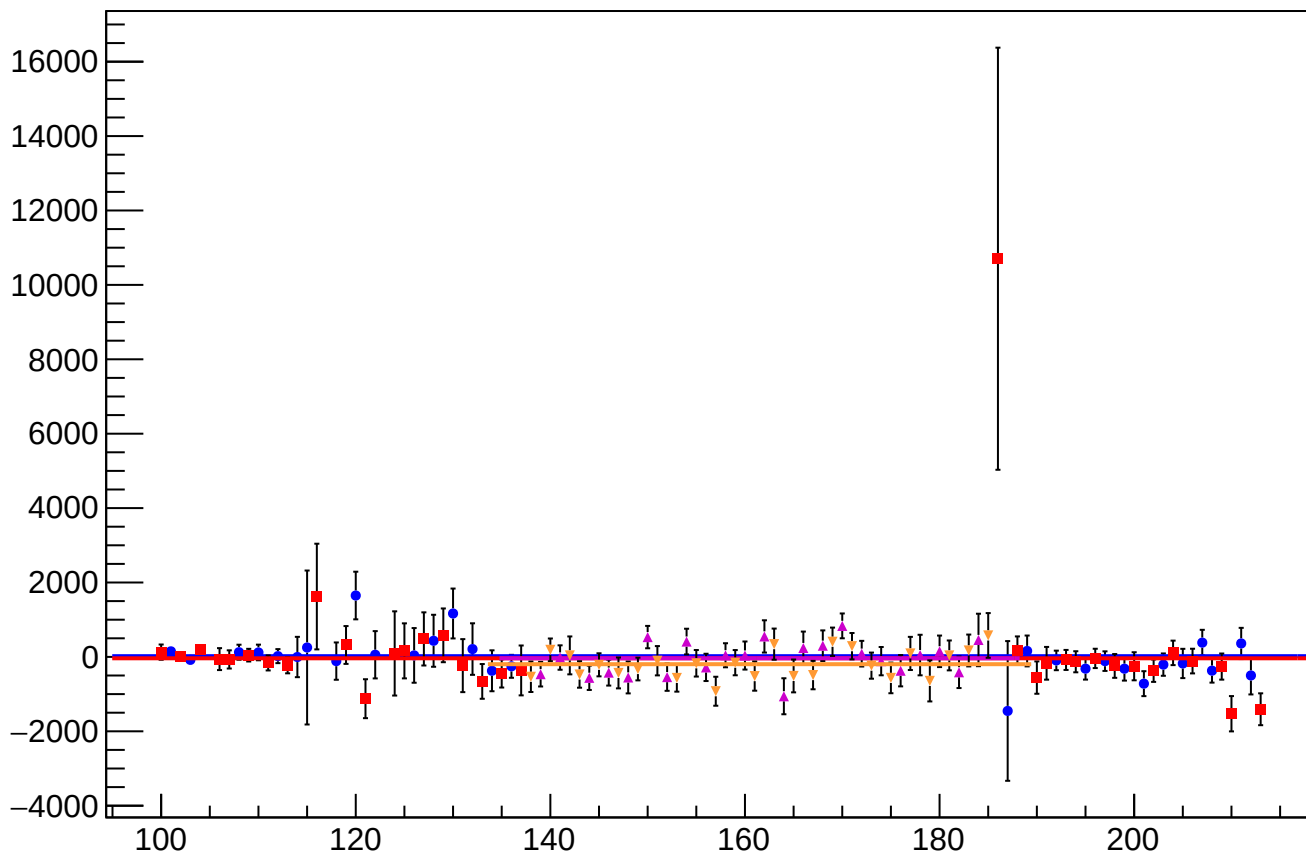
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 61.180 $\pm$ 0.007 χ^2 /NDF: 1399312.6/53

All: 61.319 $\pm$ 0.005 χ^2 /NDF: 3661451.8/110

- sign 61.460 $\pm$ 0.007 χ^2 /NDF: 2261390.5/56

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 19.464 ± 41.759 χ^2/NDF : 30.2/28

Left Out: -195.942 ± 77.088 χ^2/NDF : 20.6/24

Right Out: -37.544 ± 43.885 χ^2/NDF : 48.0/33

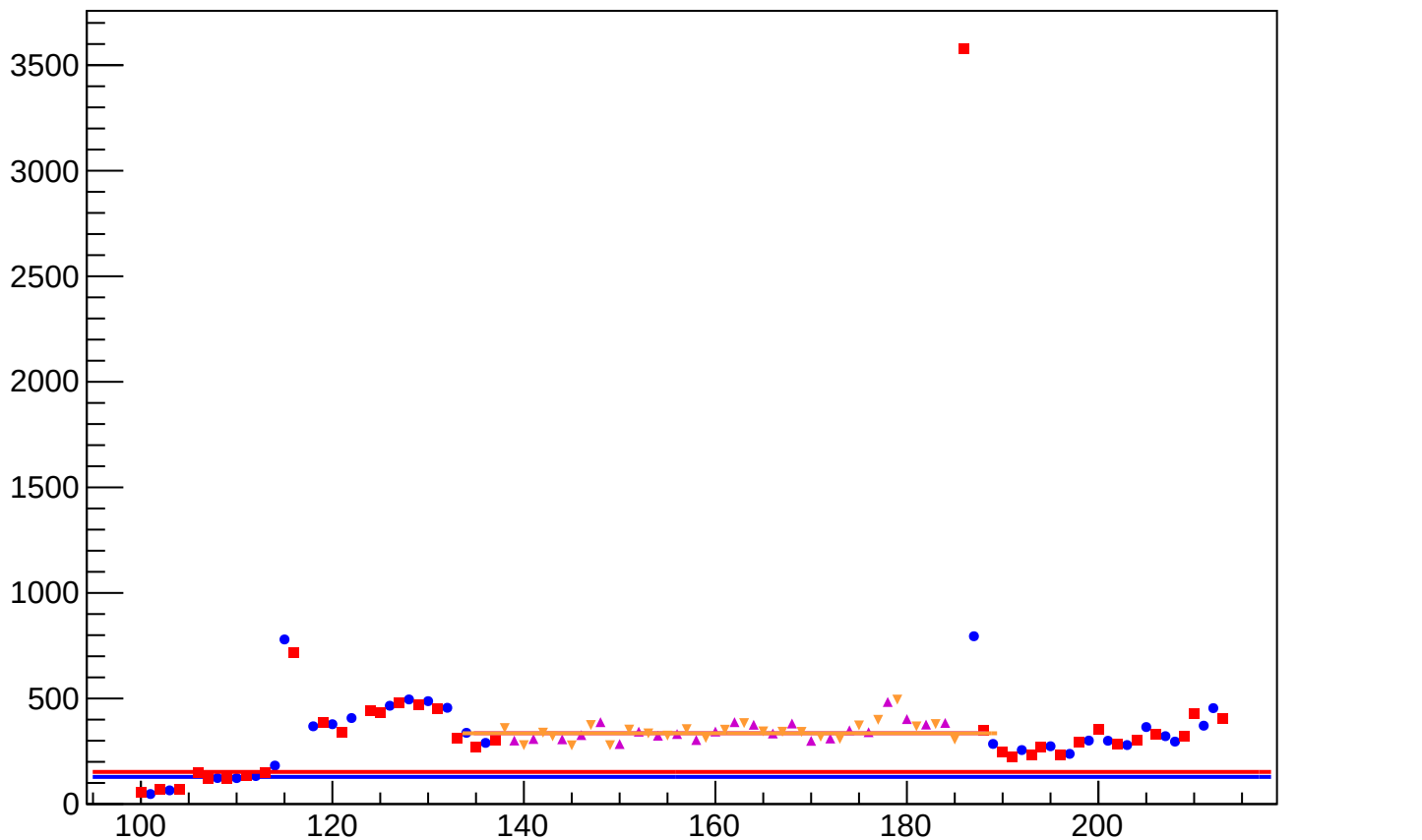
Left In: -36.414 ± 79.210 χ^2/NDF : 31.1/22

+ sign -29.405 ± 36.717 χ^2/NDF : 56.9/53

All: -33.167 ± 26.534 χ^2/NDF : 136.0/110

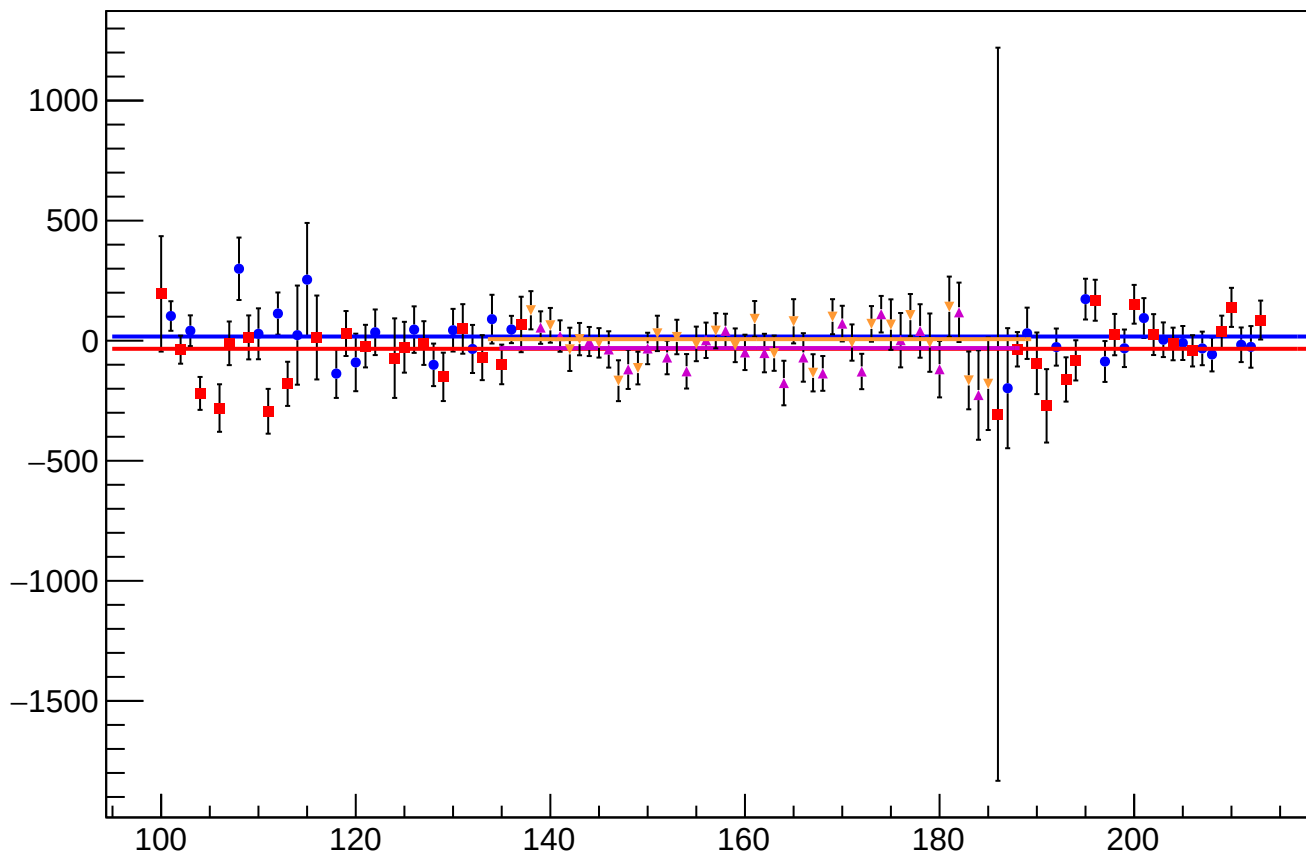
- sign -37.279 ± 38.387 χ^2/NDF : 79.1/56

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 128.593+/-0.030	χ^2/NDF : 14944148.0/28	+ sign 175.481+/-0.026	χ^2/NDF : 26622677.1/53
Left Out: 335.271+/-0.055	χ^2/NDF : 563797.0/24	All: 184.961+/-0.019	χ^2/NDF : 48818333.3/1
Right Out: 152.287+/-0.031	χ^2/NDF : 13232133.9/33	- sign 195.323+/-0.027	χ^2/NDF : 21916615.5/56
Left In: 335.526+/-0.056	χ^2/NDF : 495170.0/22		

dit_asym_sam_15_avg_mean vs Slug



Right In: 17.411 ± 15.907 χ^2/NDF : 24.6/28

Left Out: 6.469 ± 15.977 χ^2/NDF : 25.1/24

Right Out: -33.744 ± 15.352 χ^2/NDF : 53.9/33

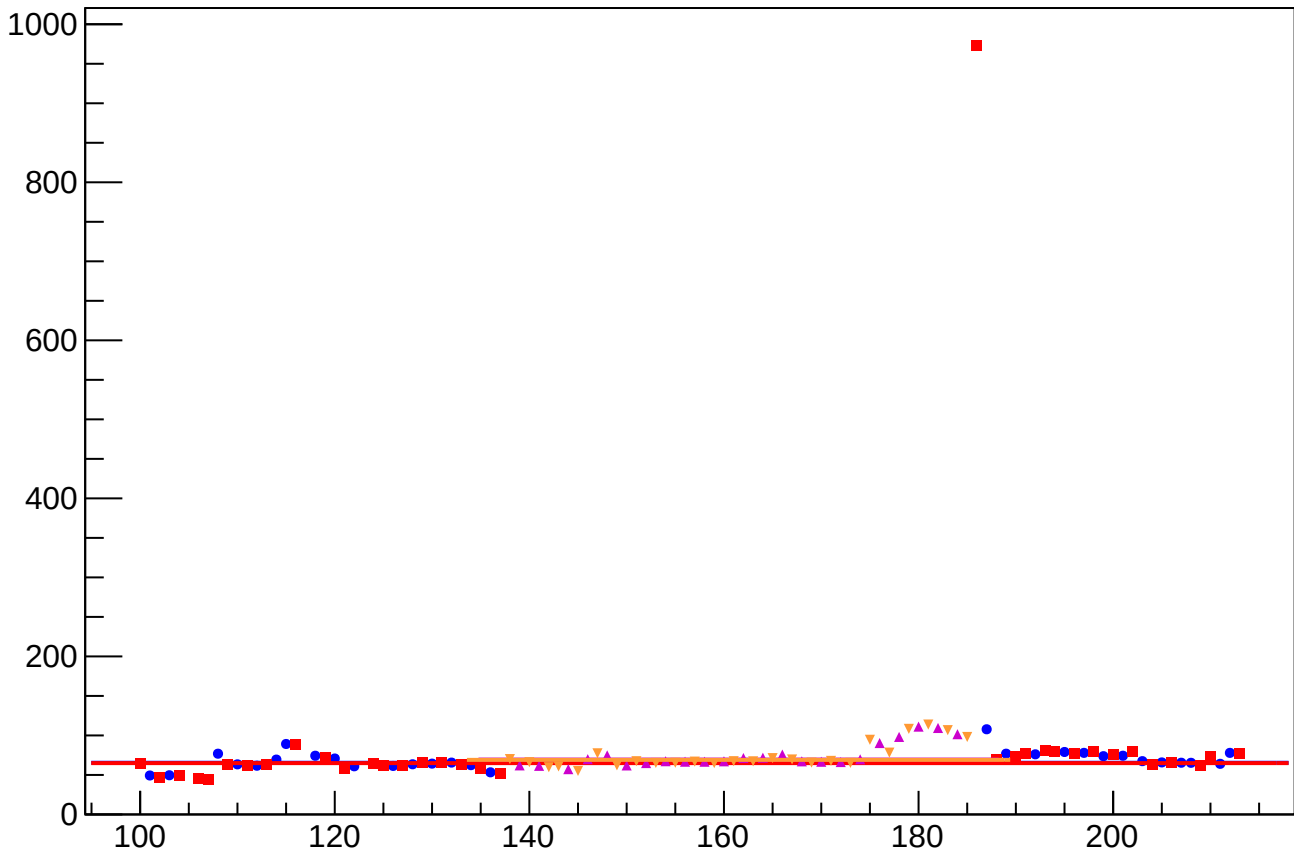
Left In: -30.662 ± 16.503 χ^2/NDF : 22.5/22

+ sign 11.964 ± 11.273 χ^2/NDF : 49.9/53

All: -10.239 ± 7.960 χ^2/NDF : 134.0/110

- sign -32.314 ± 11.240 χ^2/NDF : 76.4/56

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.414 $\pm$ 0.011 χ^2 /NDF: 724872.5/28

Left Out: 69.078 $\pm$ 0.011 χ^2 /NDF: 1074001.6/24

Right Out: 64.975 $\pm$ 0.011 χ^2 /NDF: 1709347.6/33

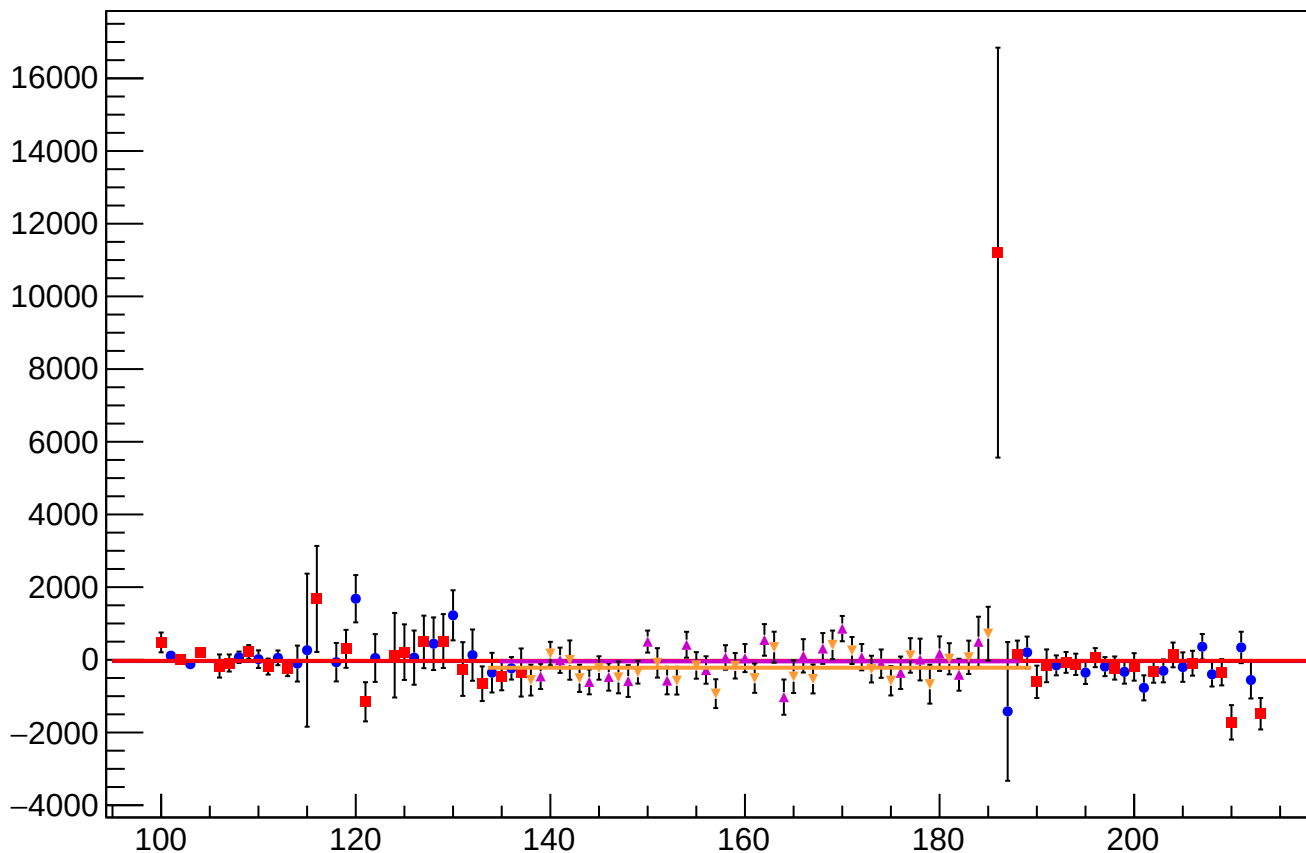
Left In: 69.436 $\pm$ 0.012 χ^2 /NDF: 924607.6/22

+ sign 67.238 $\pm$ 0.008 χ^2 /NDF: 1851700.5/53

All: 67.141 $\pm$ 0.006 χ^2 /NDF: 4564287.2/110

- sign 67.045 $\pm$ 0.008 χ^2 /NDF: 2712291.3/56

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.635 ± 47.024 χ^2/NDF : 28.6/28

Left Out: -217.349 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -28.213 ± 46.101 χ^2/NDF : 56.1/33

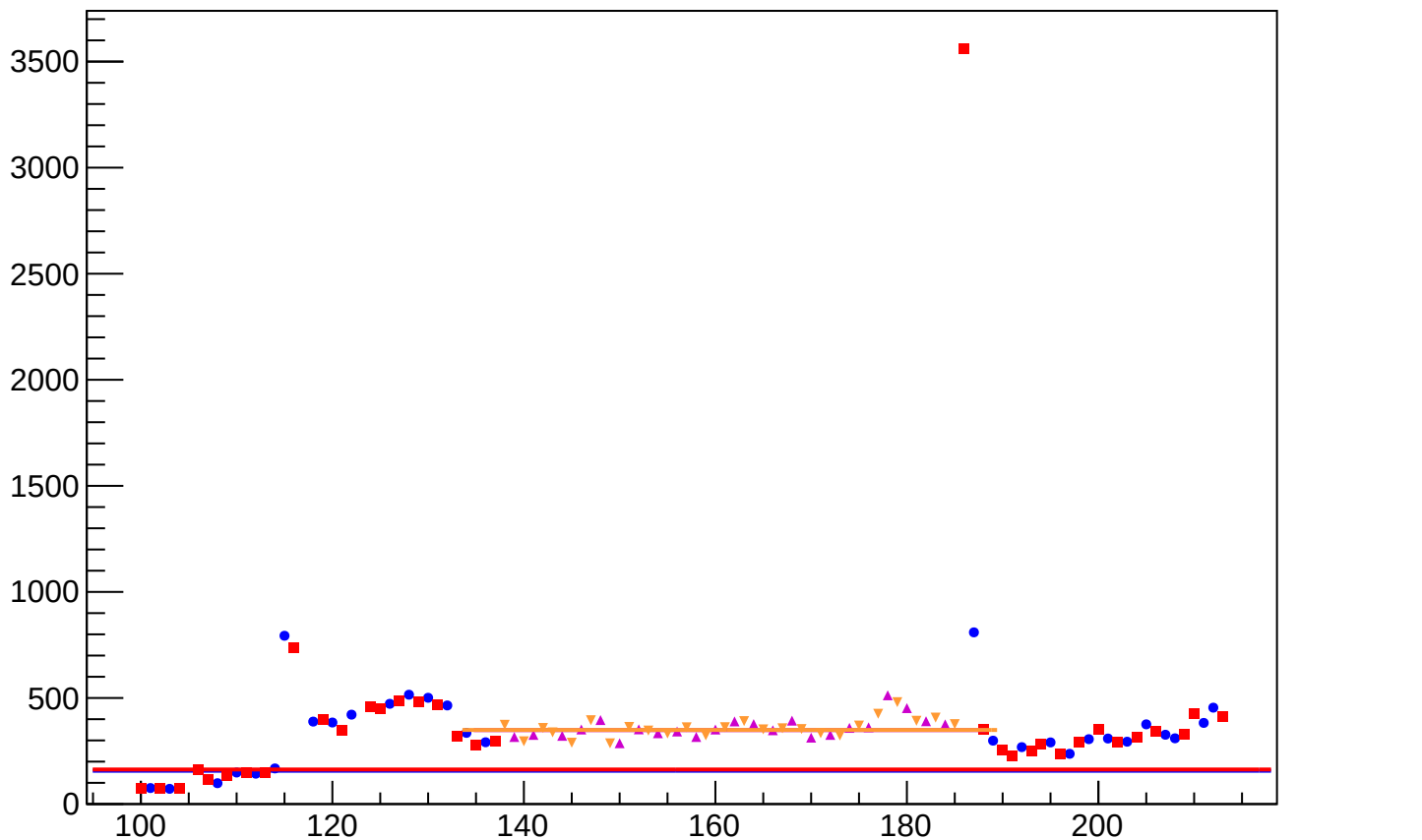
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -80.693 ± 40.556 χ^2/NDF : 51.9/53

All: -55.834 ± 28.556 χ^2/NDF : 138.7/110

- sign -31.392 ± 40.215 χ^2/NDF : 86.1/56

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 157.002 $\pm$ 0.033 χ^2 /NDF: 12178567.7/28

Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524075.5/24

+ sign 206.227 $\pm$ 0.029 χ^2 /NDF: 21258901.4/53

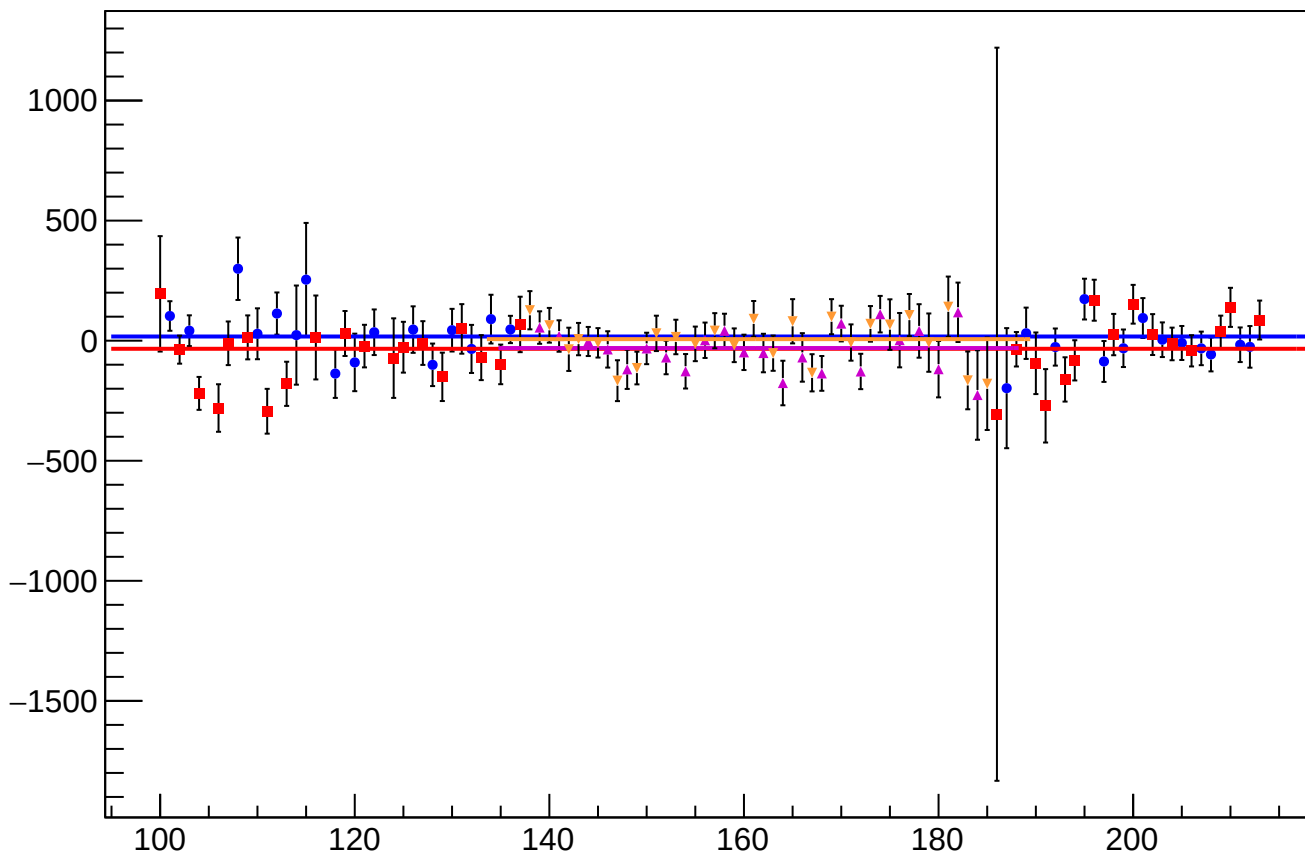
Right Out: 162.928 $\pm$ 0.033 χ^2 /NDF: 12519558.4/33

All: 206.768 $\pm$ 0.020 χ^2 /NDF: 42056074.3/11

Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525743.6/22

- sign 207.299 $\pm$ 0.028 χ^2 /NDF: 20796468.6/56

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 17.411 $\pm$ 15.907 χ^2/NDF : 24.6/28

Left Out: 6.469 $\pm$ 15.977 χ^2/NDF : 25.1/24

Right Out: -33.744 $\pm$ 15.352 χ^2/NDF : 53.9/33

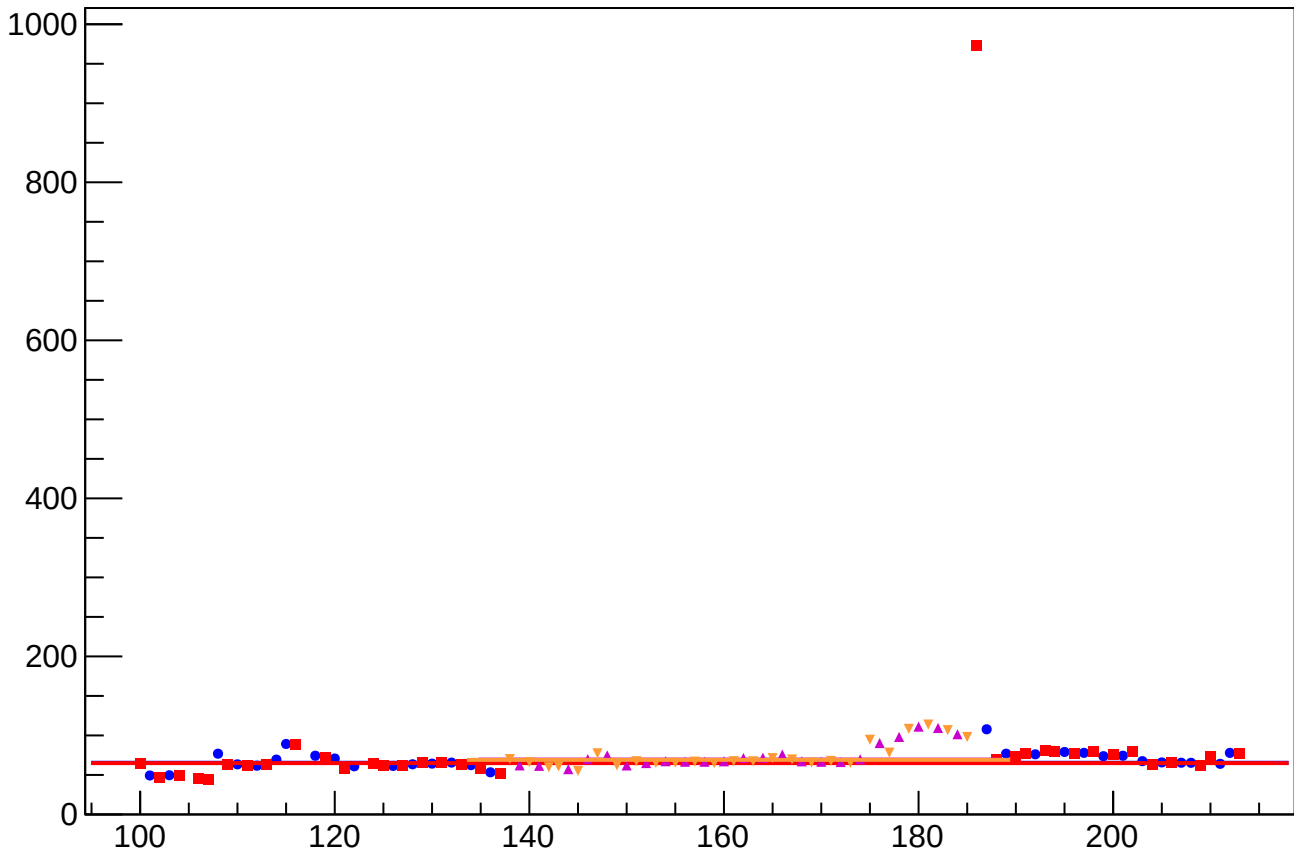
Left In: -30.662 $\pm$ 16.503 χ^2/NDF : 22.5/22

+ sign 11.964 $\pm$ 11.273 χ^2/NDF : 49.9/53

All: -10.238 $\pm$ 7.960 χ^2/NDF : 134.0/110

- sign -32.314 $\pm$ 11.240 χ^2/NDF : 76.4/56

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.414 $\pm$ 0.011 χ^2 /NDF: 724870.4/28

Left Out: 69.079 $\pm$ 0.011 χ^2 /NDF: 1073983.7/24

Right Out: 64.975 $\pm$ 0.011 χ^2 /NDF: 1709345.9/33

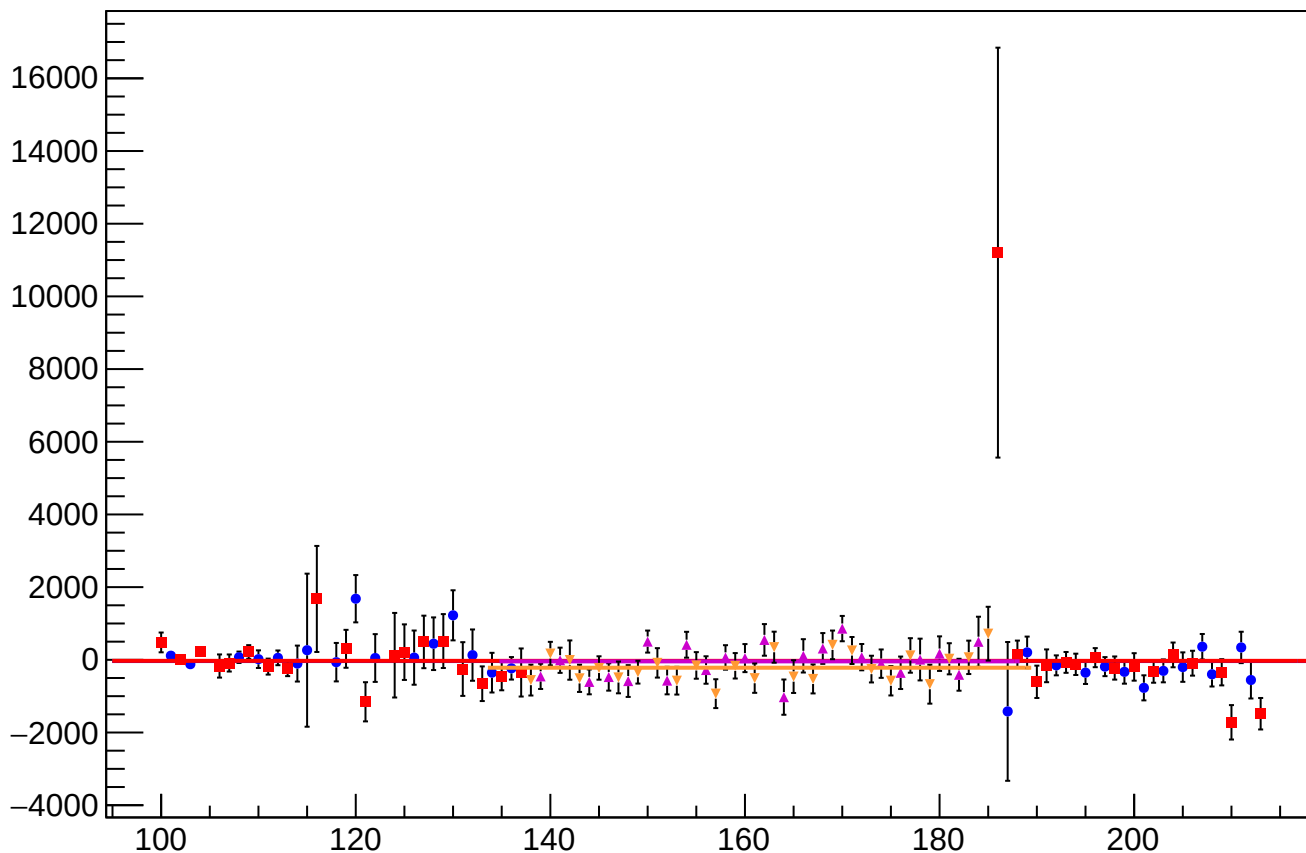
Left In: 69.436 $\pm$ 0.012 χ^2 /NDF: 924591.6/22

+ sign 67.238 $\pm$ 0.008 χ^2 /NDF: 1851685.4/53

All: 67.141 $\pm$ 0.006 χ^2 /NDF: 4564262.7/110

- sign 67.045 $\pm$ 0.008 χ^2 /NDF: 2712282.0/56

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.635 ± 47.024 χ^2/NDF : 28.6/28

Left Out: -217.348 ± 80.133 χ^2/NDF : 19.3/24

Right Out: -28.213 ± 46.101 χ^2/NDF : 56.1/33

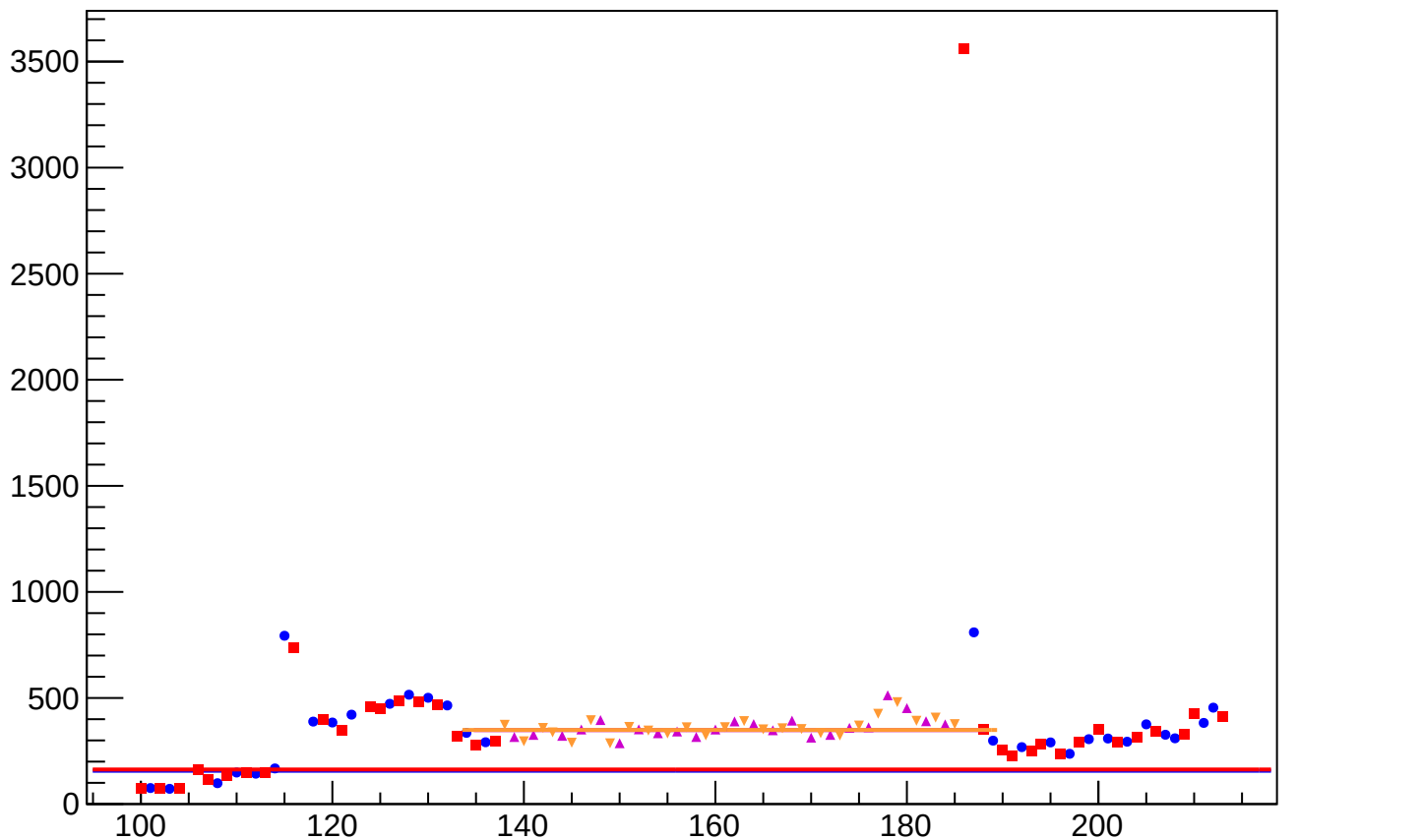
Left In: -41.512 ± 82.256 χ^2/NDF : 30.0/22

+ sign -80.692 ± 40.556 χ^2/NDF : 51.9/53

All: -55.834 ± 28.556 χ^2/NDF : 138.7/110

- sign -31.391 ± 40.215 χ^2/NDF : 86.1/56

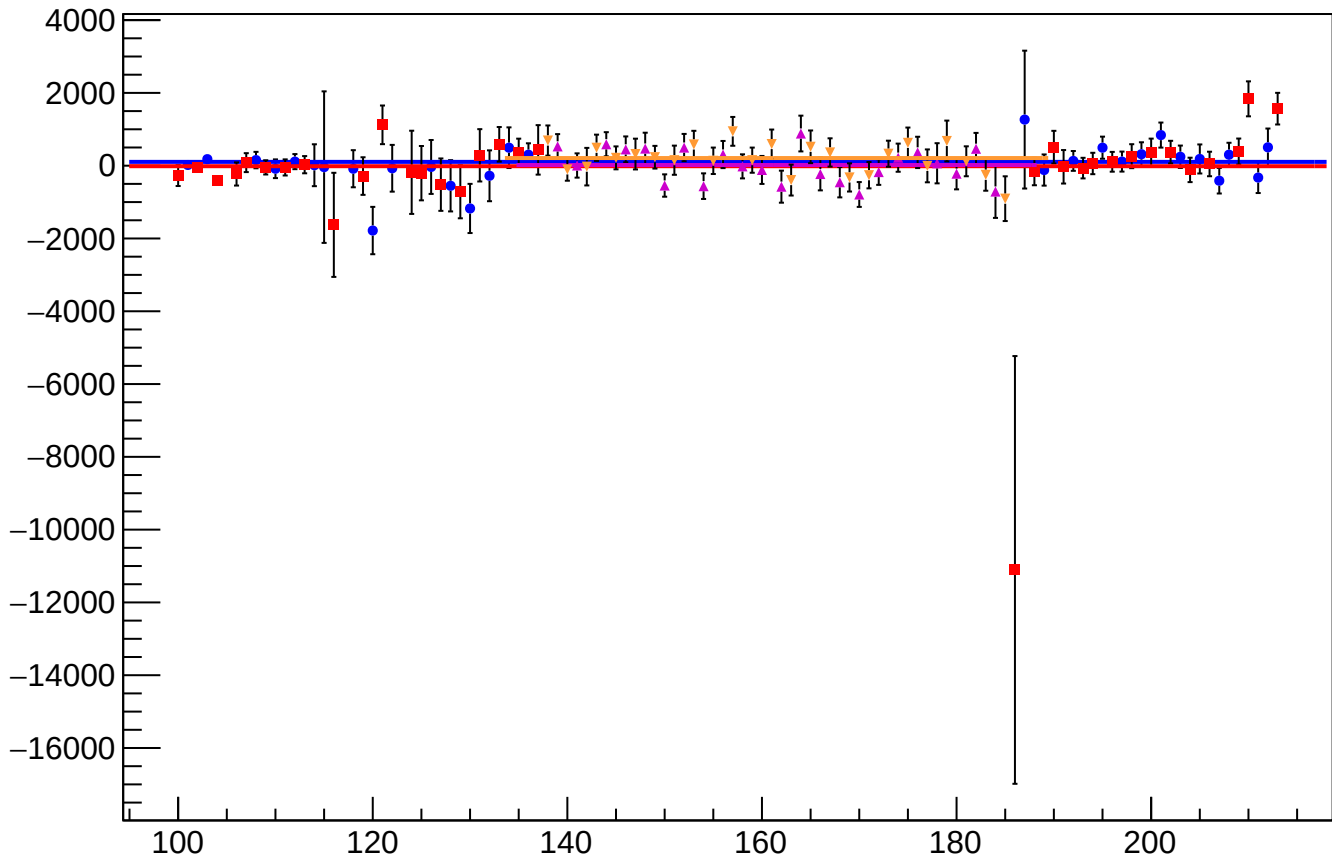
asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 157.002 $\pm$ 0.033 χ^2 /NDF: 12178579.7/28
 Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524067.1/24
 Right Out: 162.928 $\pm$ 0.033 χ^2 /NDF: 12519601.7/33
 Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525736.6/22

+ sign 206.227 $\pm$ 0.029 χ^2 /NDF: 21258968.6/53
 All: 206.767 $\pm$ 0.020 χ^2 /NDF: 42056253.0/11
 - sign 207.299 $\pm$ 0.028 χ^2 /NDF: 20796580.1/56

asym_sam_15_avg_mean vs Slug



Right In: 104.894 $\pm$ 50.621 χ^2 /NDF: 27.9/28

Left Out: 209.819 $\pm$ 78.511 χ^2 /NDF:21.4/24

Right Out: -14.420 $\pm$ 49.156 χ^2 /NDF: 62.5/33

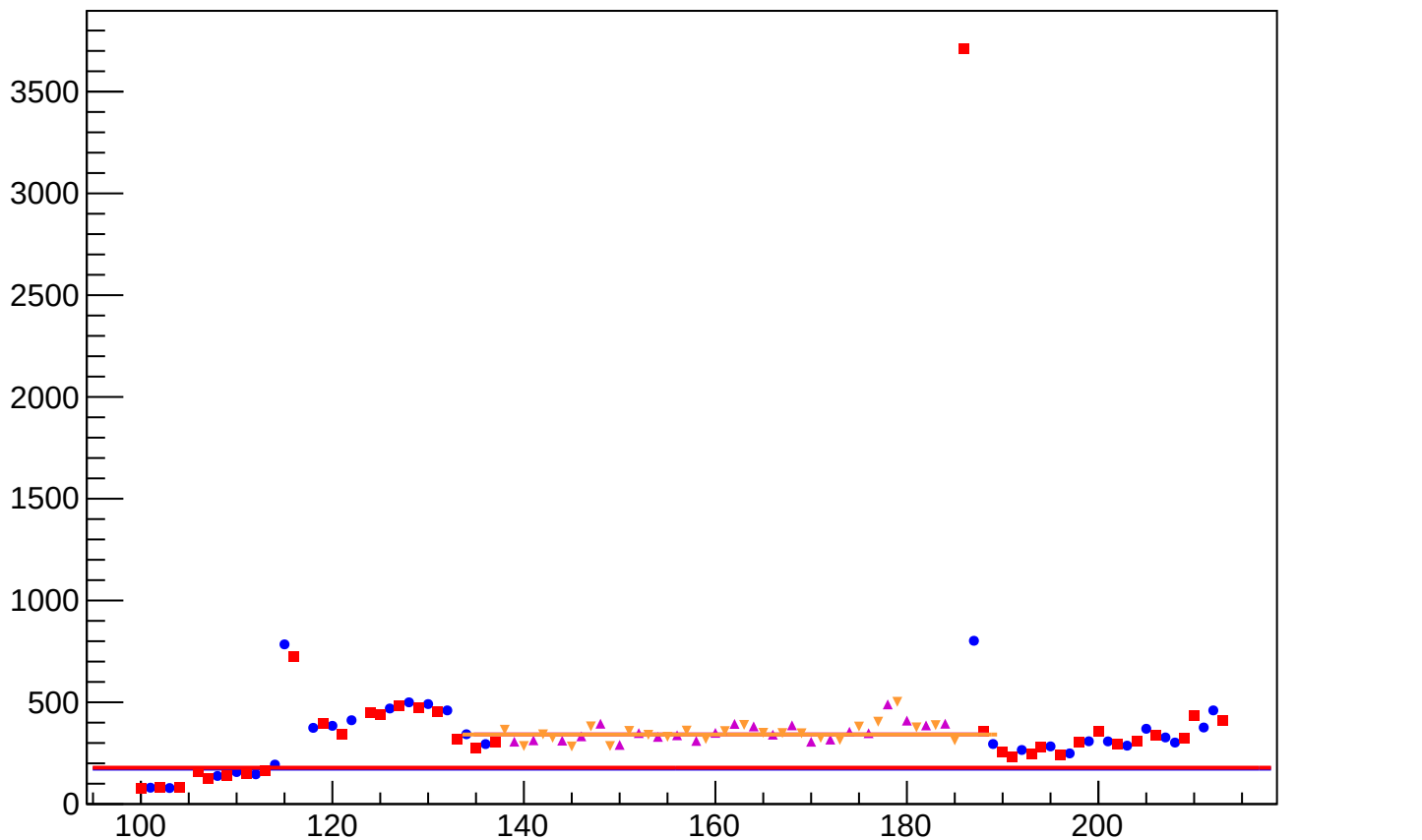
Left In: 18.738 $\pm$ 80.699 χ^2 /NDF:32.0/22

+ sign 135.705 $\pm$ 42.545 χ^2 /NDF: 50.6/53

All: 64.188 $\pm$ 29.882 χ^2 /NDF: 150.8/110

- sign -5.447 $\pm$ 41.981 χ^2 /NDF: 94.6/56

asym_sam_15_avg_rms vs Slug



Right In: 174.037+/-0.036 χ^2/NDF : 10685467.2/28

Left Out: 341.585+/-0.056 χ^2/NDF :554287.8/24

Right Out: 178.639+/-0.035 χ^2/NDF : 11003670.2/33

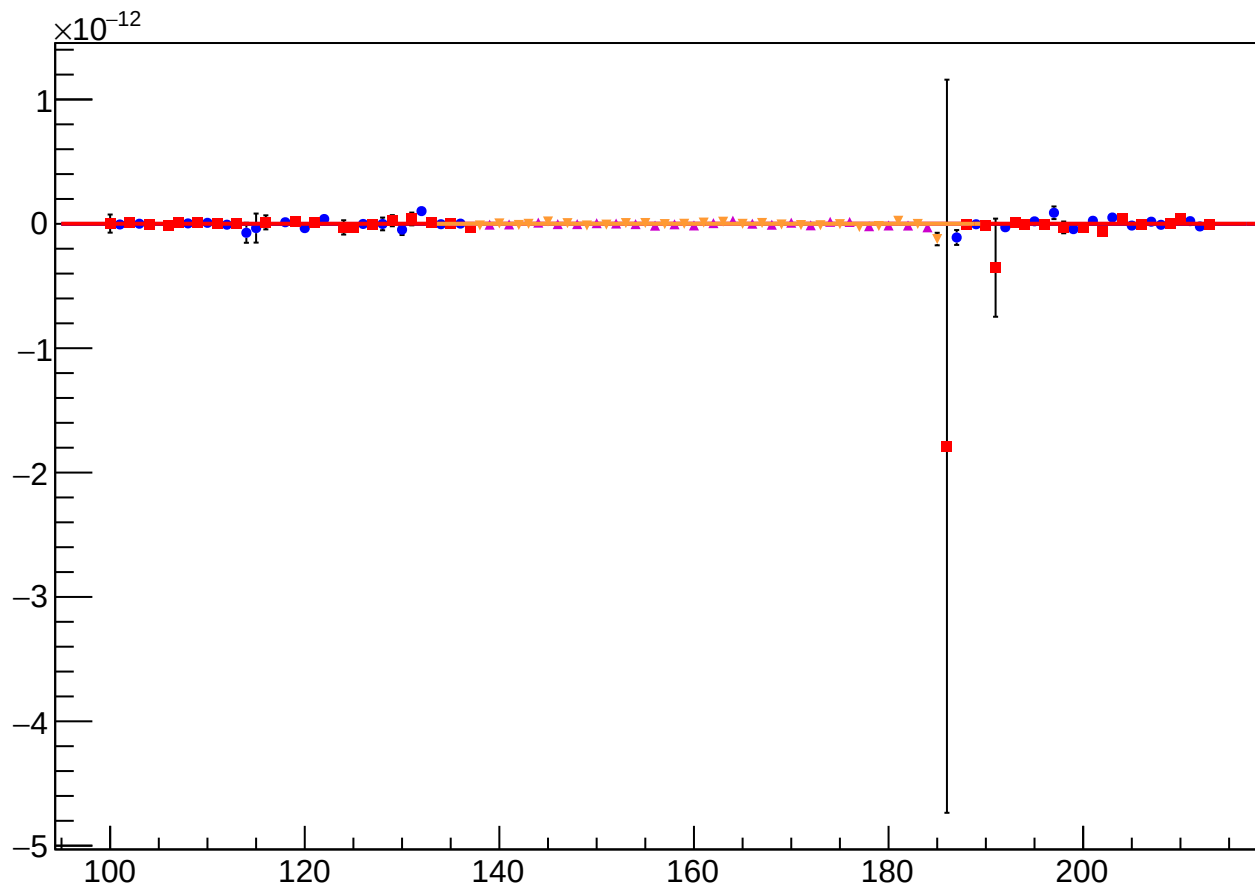
Left In: 341.943+/-0.057 χ^2/NDF :485509.1/22

+ sign 223.236+/-0.030 χ^2/NDF : 17673528.7/53

All: 223.032+/-0.021 χ^2/NDF : 35136387.9/11

- sign 222.833+/-0.030 χ^2/NDF : 17462768.1/56

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 38.0/28

Left Out: 0.000+/-0.000 χ^2 /NDF: 28.6/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 24.7/33

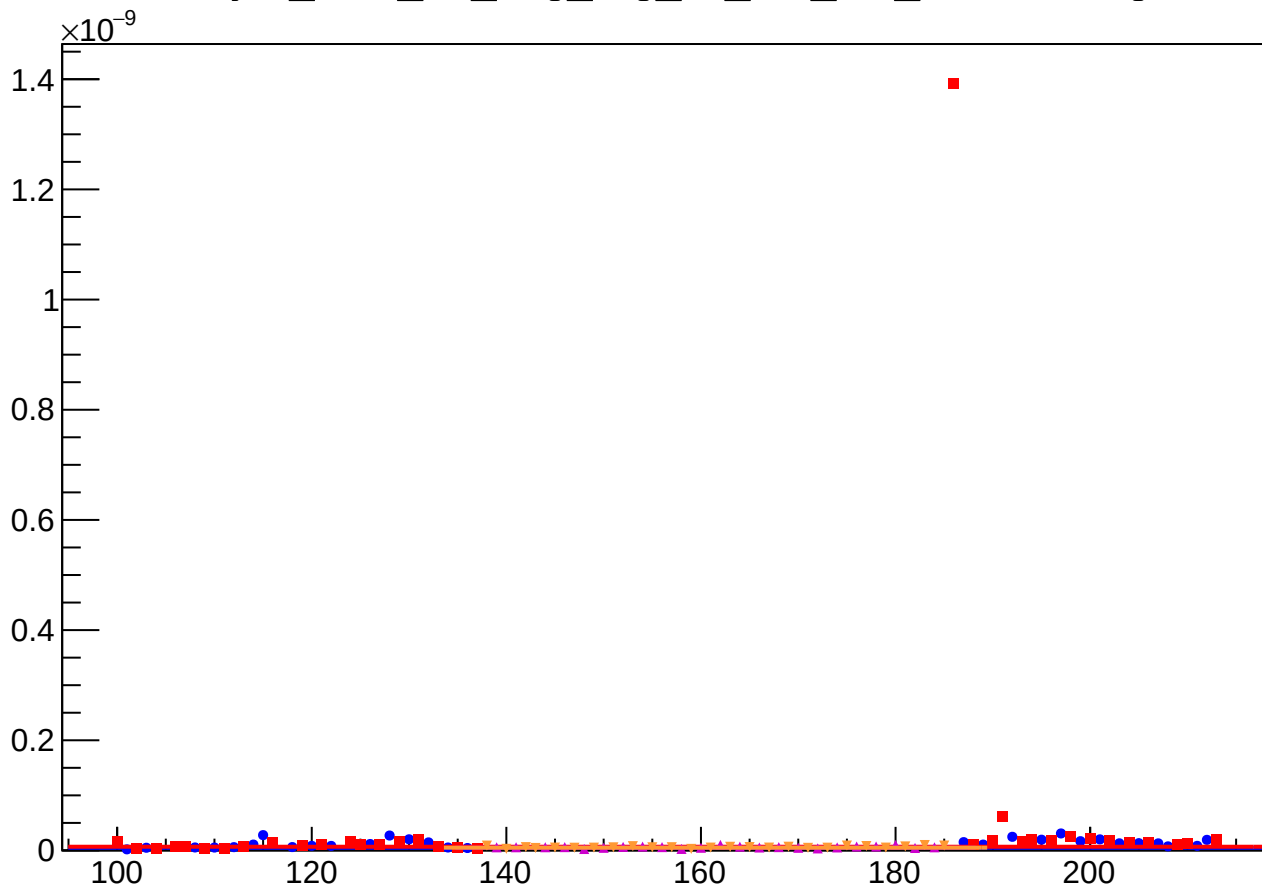
Left In: -0.000+/-0.000 χ^2 /NDF: 20.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 66.7/53

All: -0.000+/-0.000 χ^2 /NDF: 112.1/110

- sign -0.000+/-0.000 χ^2 /NDF: 45.4/56

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6616210.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5674985.7/33

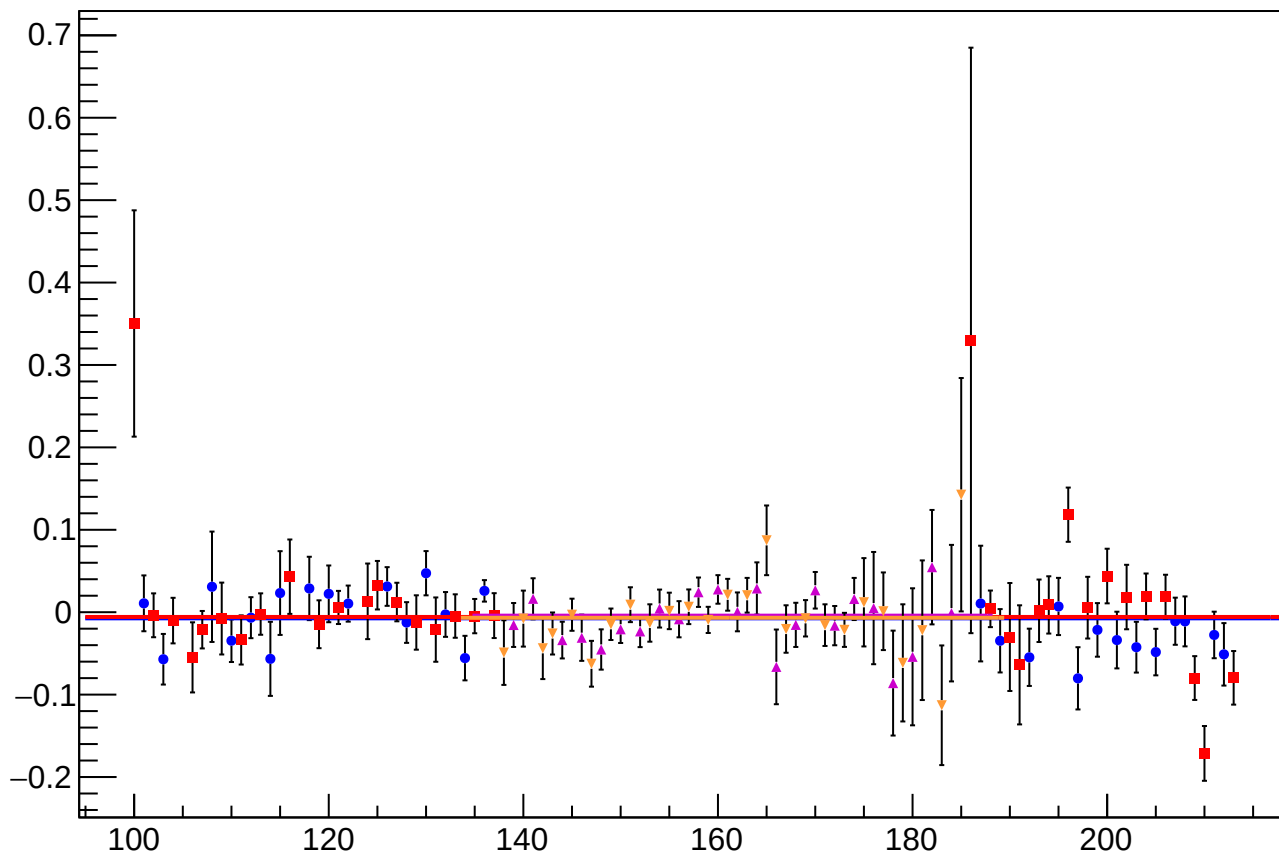
Left In: 0.000+/-0.000 χ^2/NDF : 1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 7916037.1/53

All: 0.000+/-0.000 χ^2/NDF : 15449710.1/110

- sign 0.000+/-0.000 χ^2/NDF : 7387696.1/56

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.005 χ^2/NDF : 37.2/28

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.006 ± 0.005 χ^2/NDF : 72.2/33

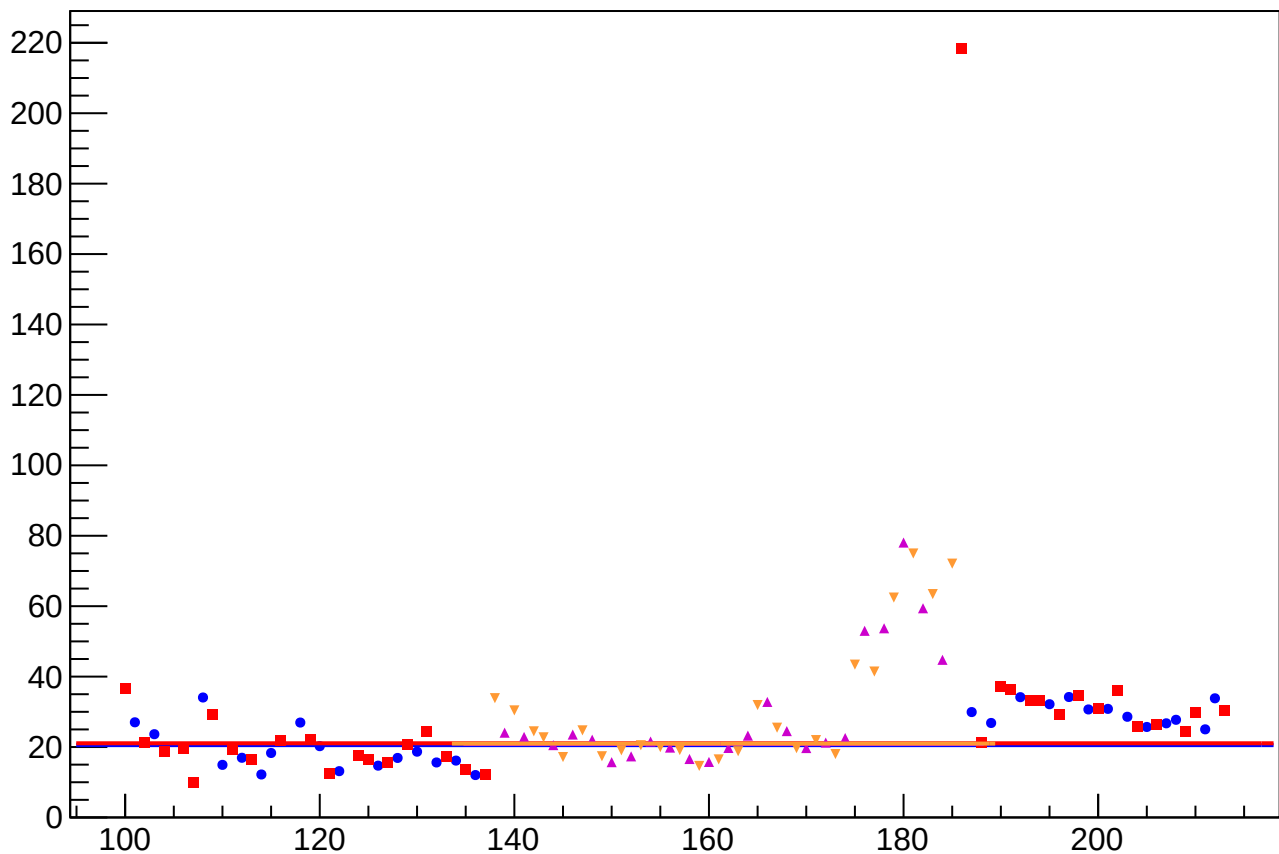
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.007 ± 0.004 χ^2/NDF : 59.0/53

All: -0.006 ± 0.003 χ^2/NDF : 154.5/110

- sign -0.005 ± 0.004 χ^2/NDF : 95.4/56

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.538 $\pm$ 0.004 χ^2 /NDF: 3774785.1/28

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4467011.5/24

Right Out: 21.068 $\pm$ 0.004 χ^2 /NDF: 4312885.4/33

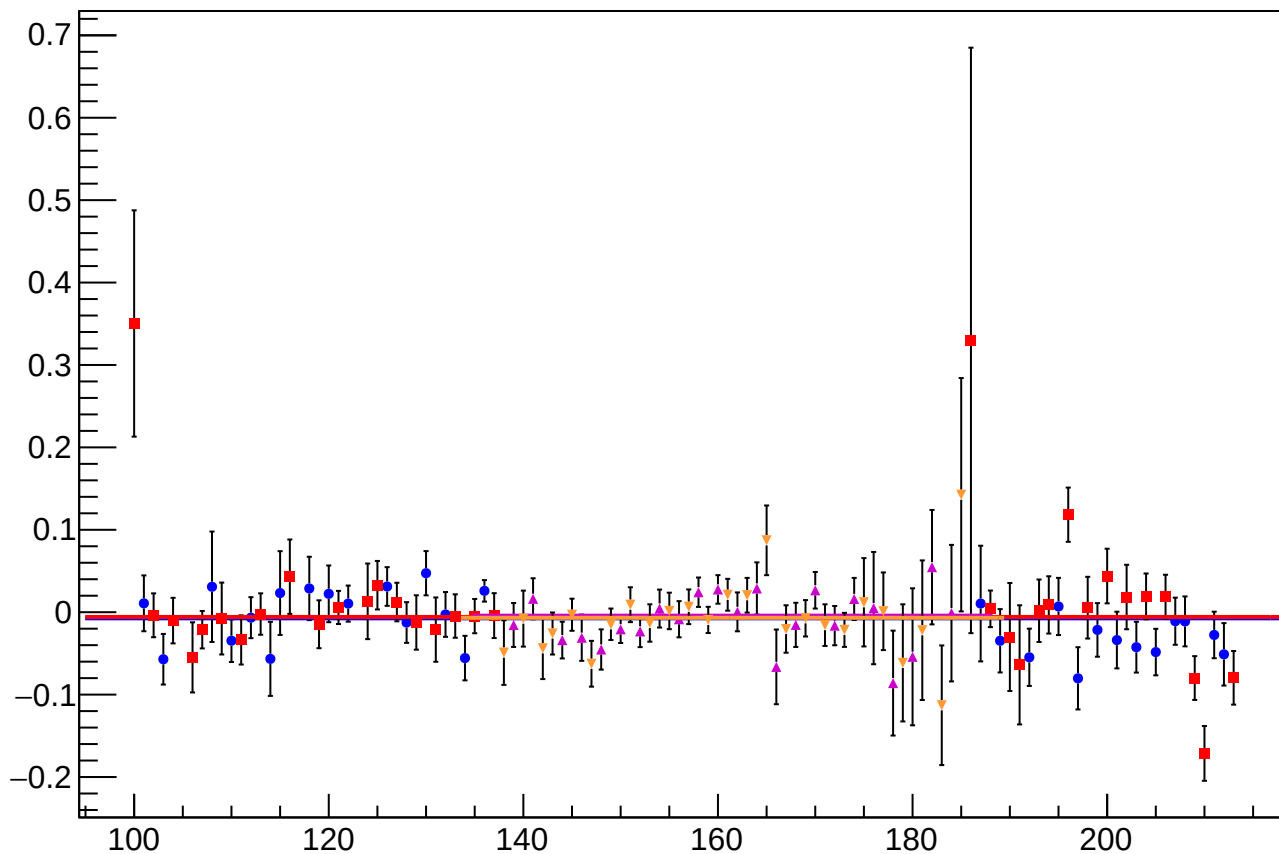
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534877.7/22

+ sign 20.766 $\pm$ 0.003 χ^2 /NDF: 8248831.6/53

All: 20.867 $\pm$ 0.002 χ^2 /NDF: 16100972.4/110

- sign 20.968 $\pm$ 0.003 χ^2 /NDF: 7849205.2/56

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.005 χ^2/NDF : 37.2/28

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.006 ± 0.005 χ^2/NDF : 72.2/33

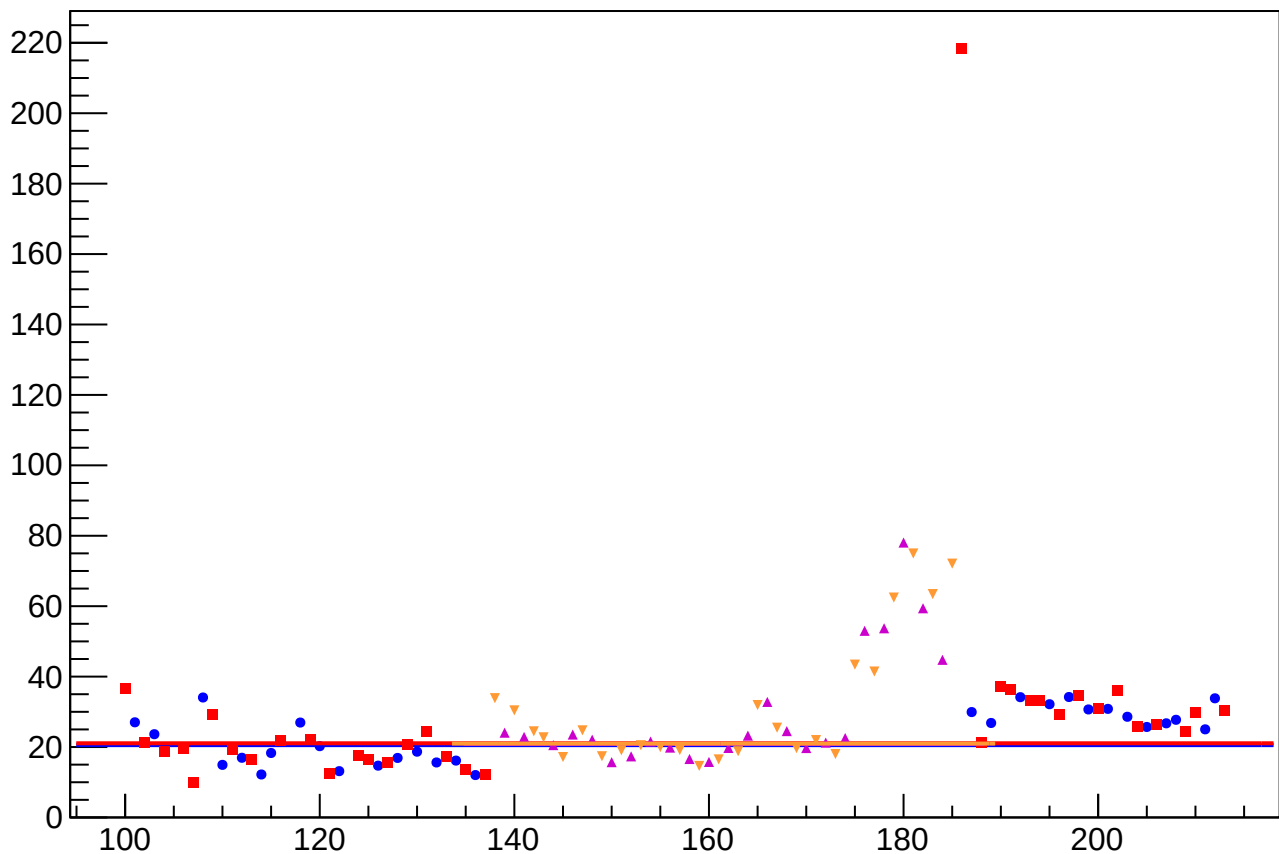
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.007 ± 0.004 χ^2/NDF : 59.0/53

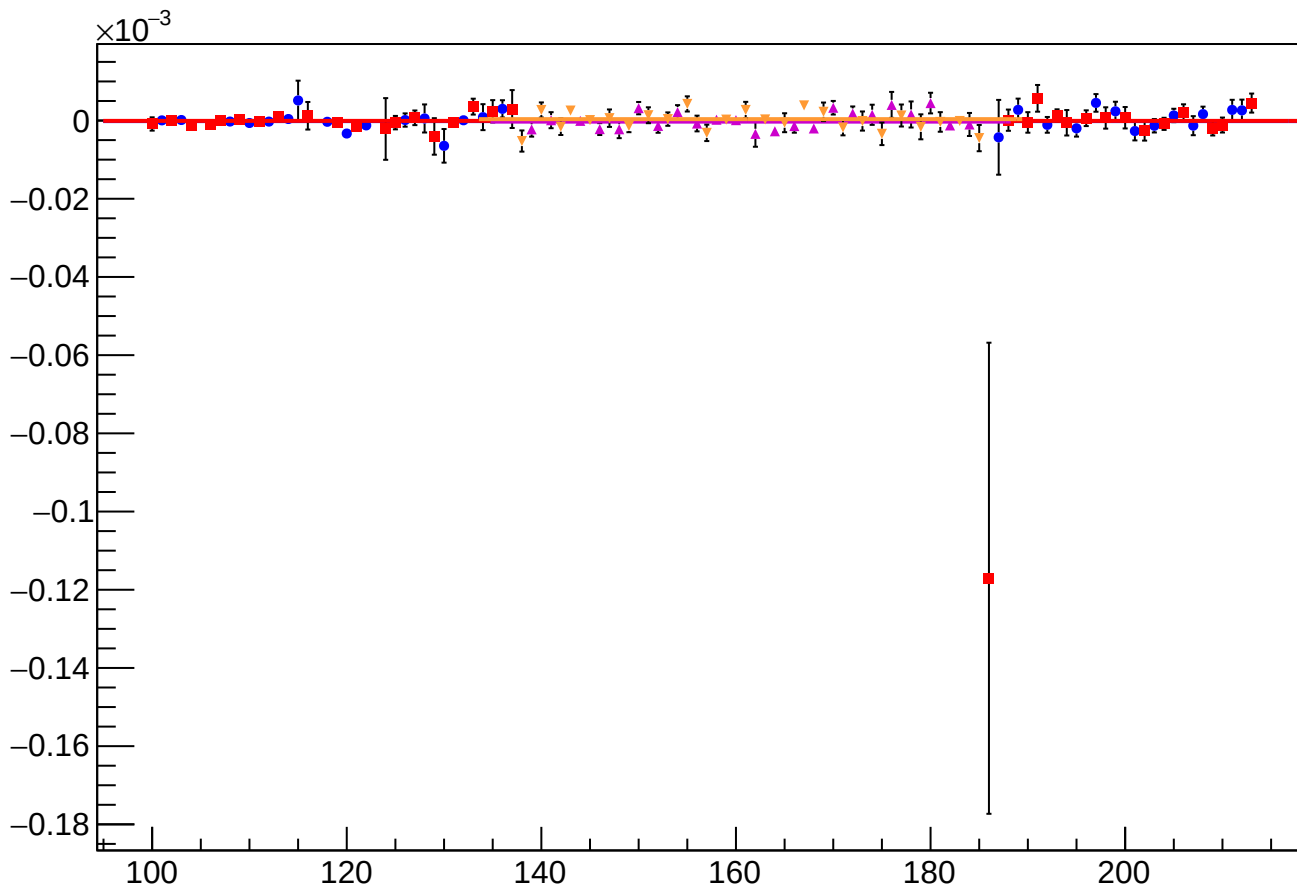
All: -0.006 ± 0.003 χ^2/NDF : 154.5/110

- sign -0.005 ± 0.004 χ^2/NDF : 95.4/56

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 27.7/28

Left Out: 0.000+/-0.000 χ^2/NDF : 34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF : 35.1/33

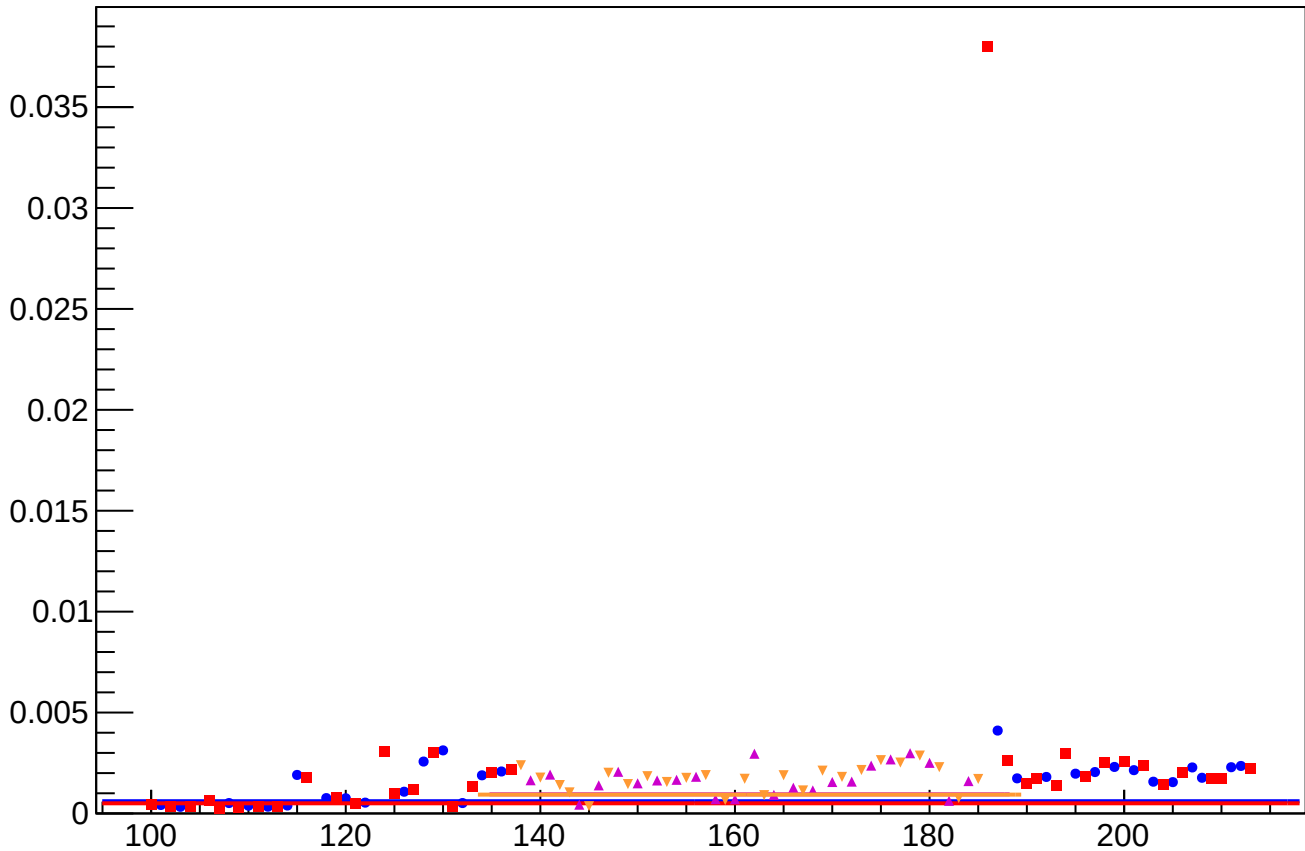
Left In: -0.000+/-0.000 χ^2/NDF : 31.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 64.3/53

All: -0.000+/-0.000 χ^2/NDF : 132.0/110

- sign -0.000+/-0.000 χ^2/NDF : 67.0/56

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 14292091.1/28

Left Out: 0.001+/-0.000 χ^2/NDF : 11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 17942891.1/33

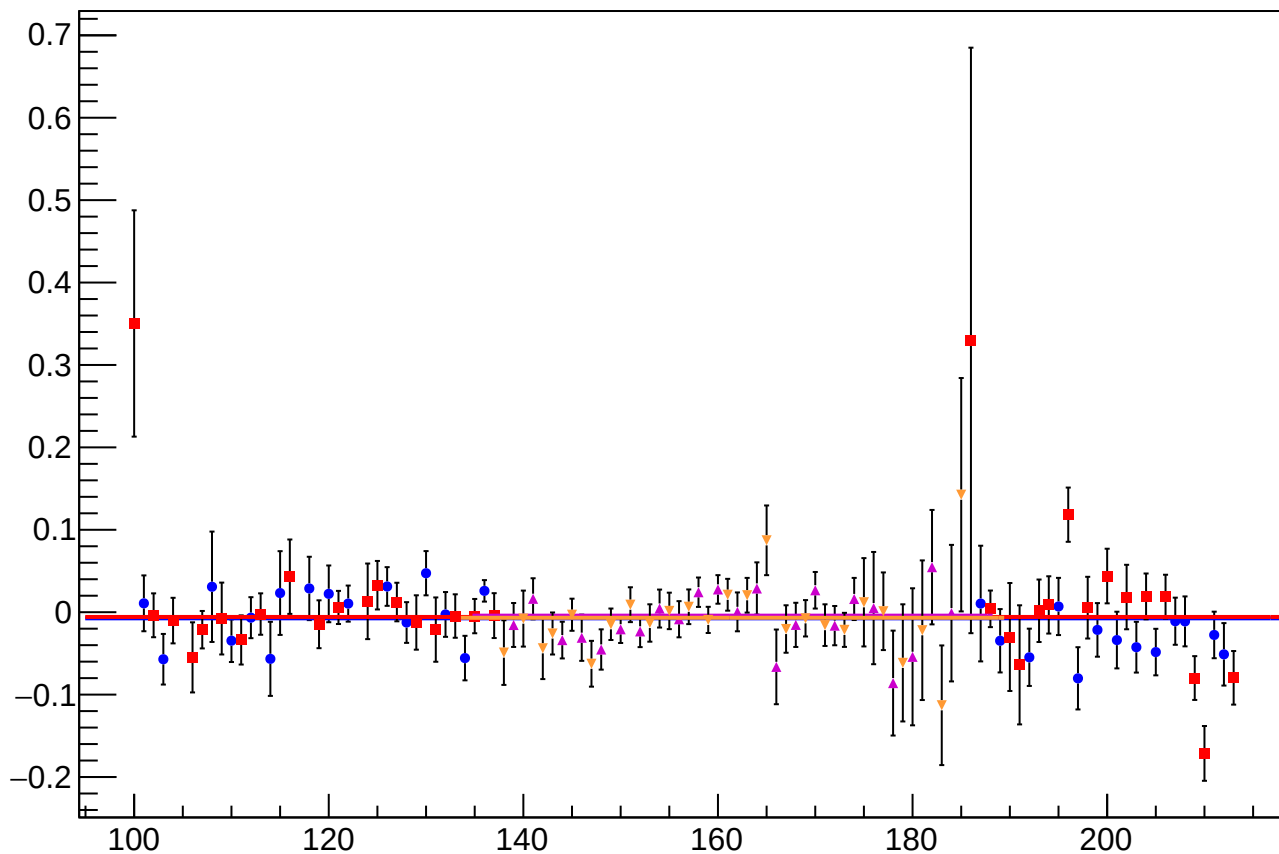
Left In: 0.001+/-0.000 χ^2/NDF : 9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 28276132.4/53

All: 0.001+/-0.000 χ^2/NDF : 60195715.0/110

- sign 0.001+/-0.000 χ^2/NDF : 31507549.5/56

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.005 χ^2/NDF : 37.2/28

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.006 ± 0.005 χ^2/NDF : 72.2/33

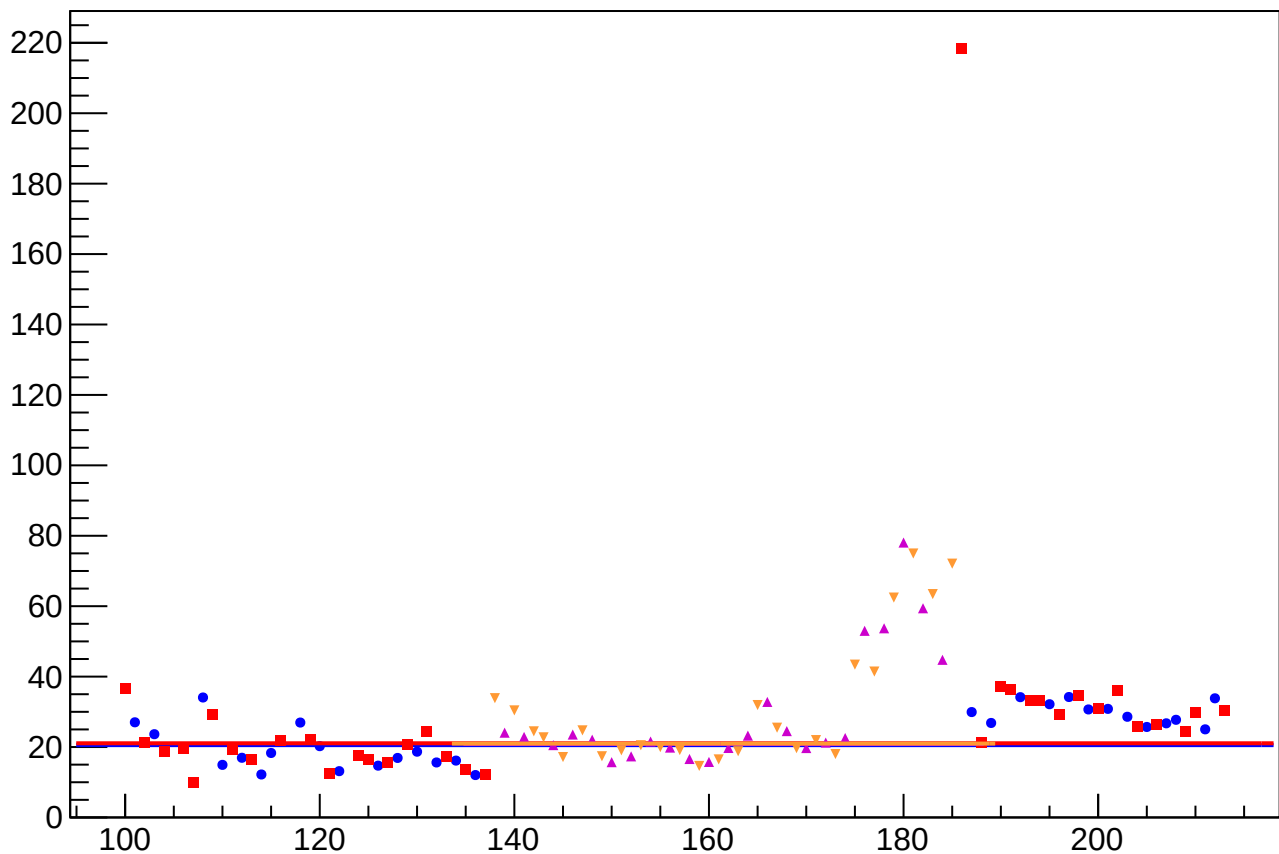
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.007 ± 0.004 χ^2/NDF : 59.0/53

All: -0.006 ± 0.003 χ^2/NDF : 154.5/110

- sign -0.005 ± 0.004 χ^2/NDF : 95.4/56

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.538 $\pm$ 0.004 χ^2 /NDF: 3774783.7/28

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 21.068 $\pm$ 0.004 χ^2 /NDF: 4312893.6/33

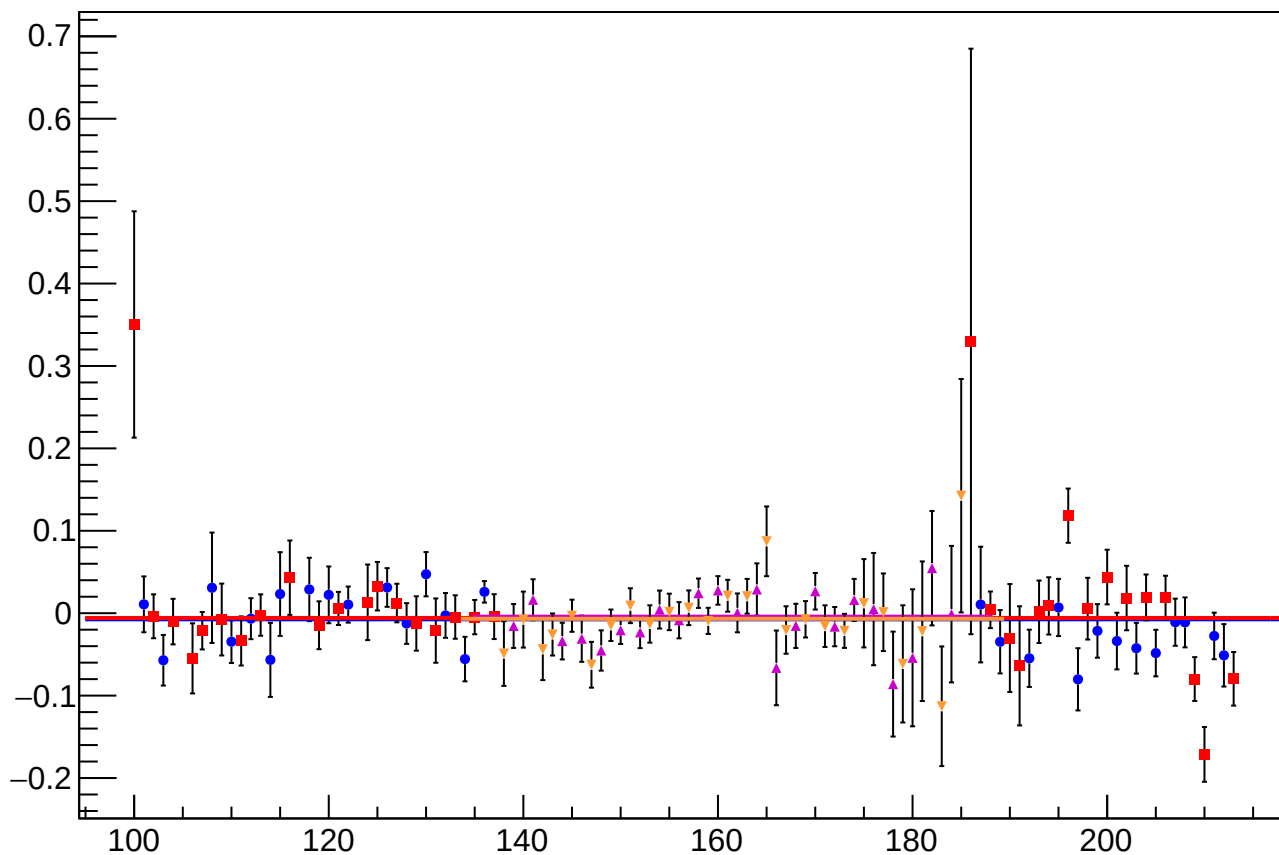
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 20.766 $\pm$ 0.003 χ^2 /NDF: 8248813.9/53

All: 20.867 $\pm$ 0.002 χ^2 /NDF: 16101001.7/110

- sign 20.968 $\pm$ 0.003 χ^2 /NDF: 7849254.3/56

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.005 χ^2/NDF : 37.2/28

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.006 ± 0.005 χ^2/NDF : 72.2/33

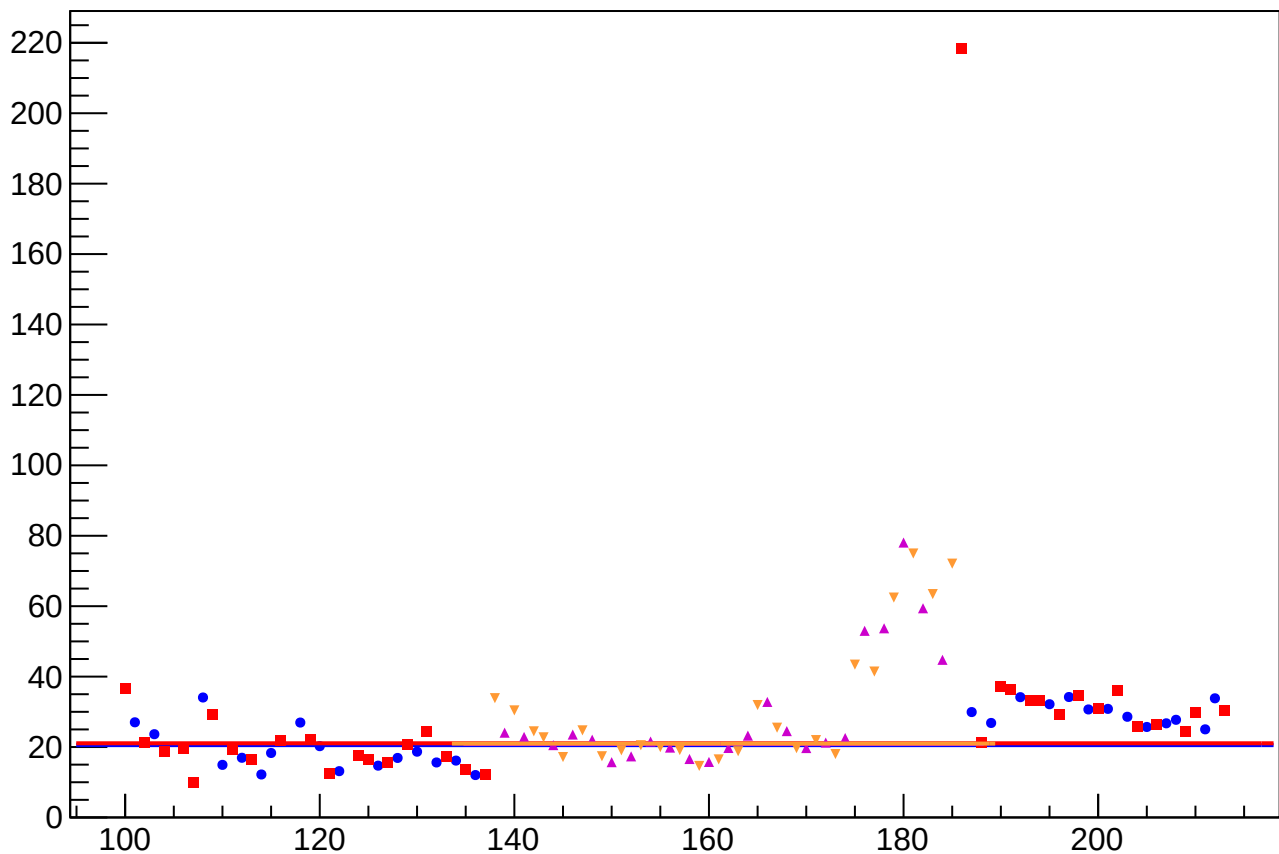
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.007 ± 0.004 χ^2/NDF : 59.0/53

All: -0.006 ± 0.003 χ^2/NDF : 154.5/110

- sign -0.005 ± 0.004 χ^2/NDF : 95.4/56

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.538 $\pm$ 0.004 χ^2 /NDF: 3774783.7/28

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 21.068 $\pm$ 0.004 χ^2 /NDF: 4312893.6/33

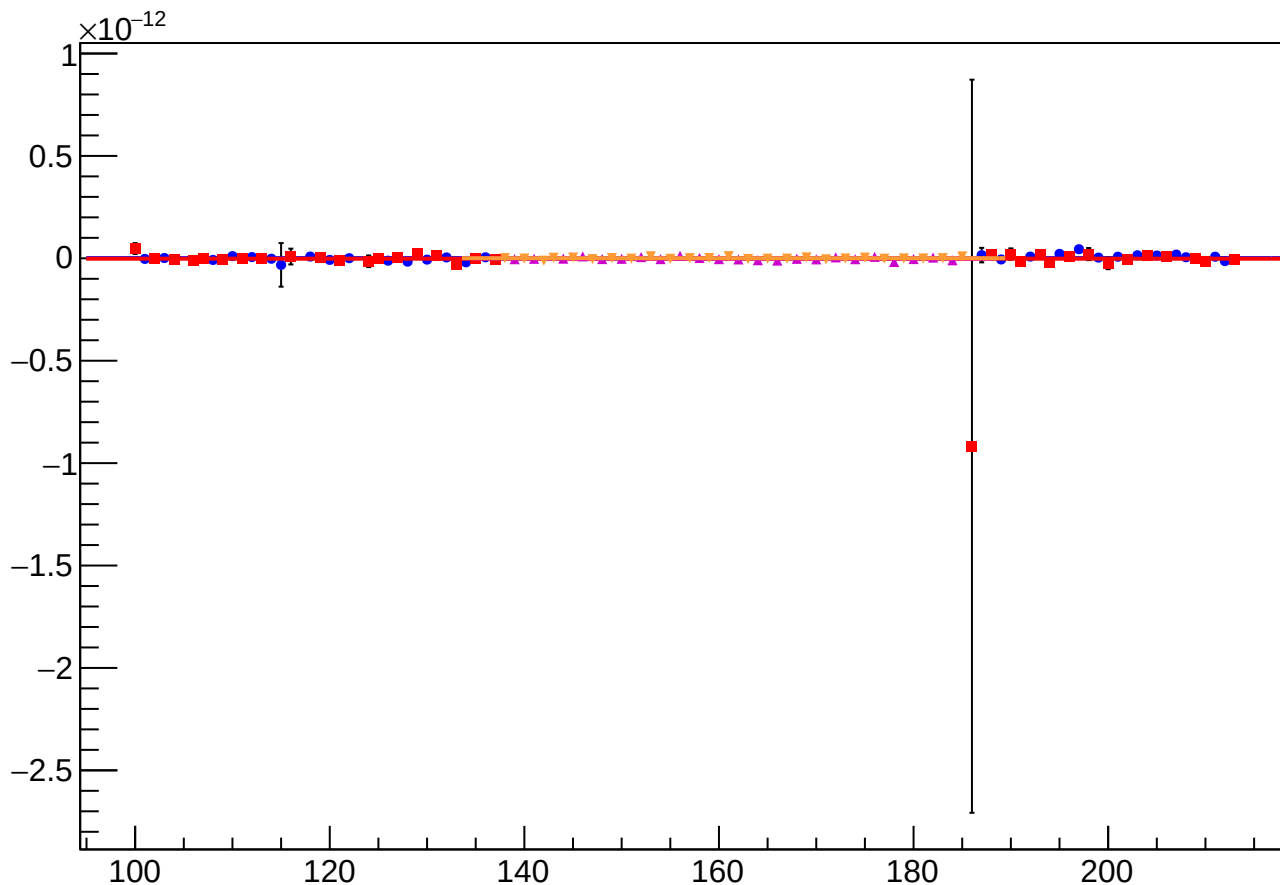
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 20.766 $\pm$ 0.003 χ^2 /NDF: 8248813.9/53

All: 20.867 $\pm$ 0.002 χ^2 /NDF: 16101001.7/110

- sign 20.968 $\pm$ 0.003 χ^2 /NDF: 7849254.3/56

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 14.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 26.9/33

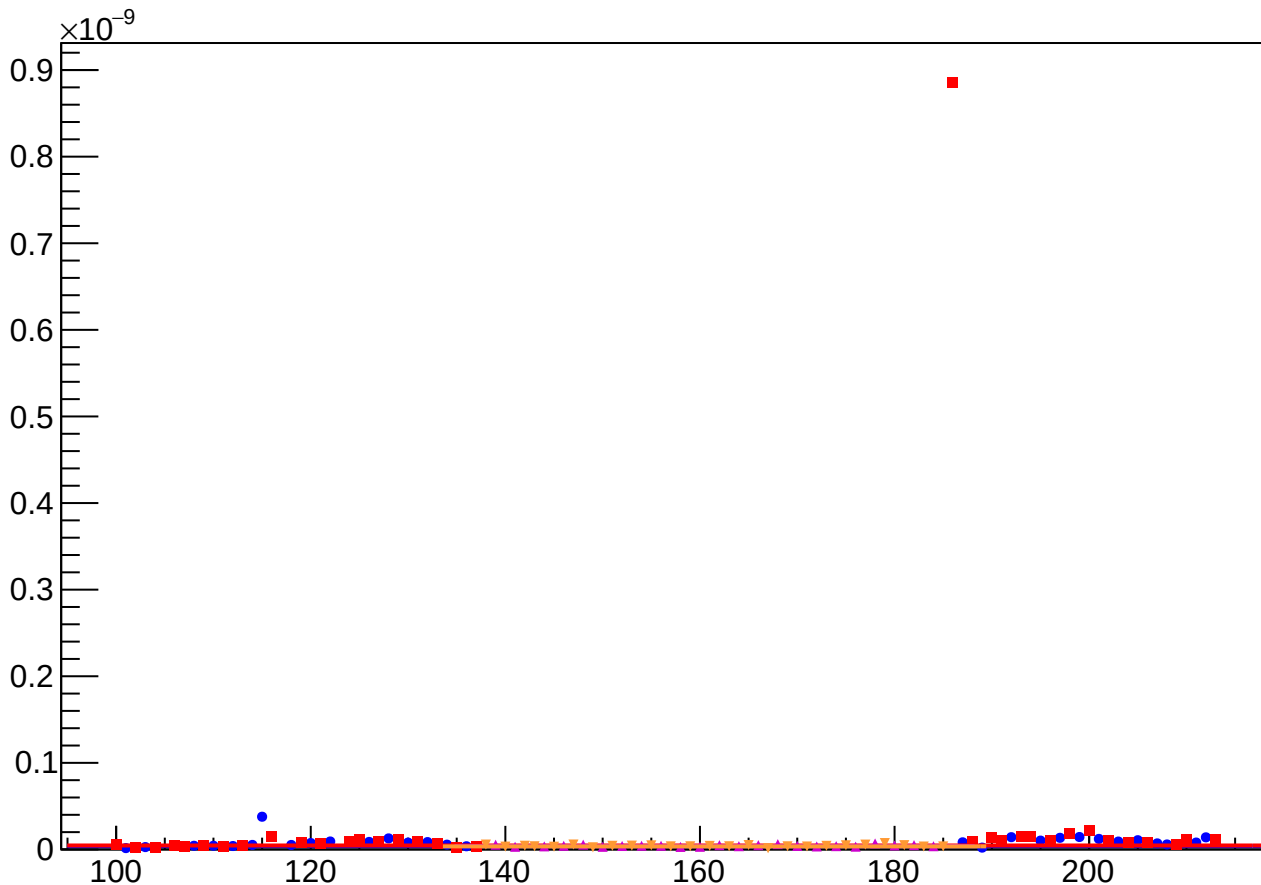
Left In: -0.000+/-0.000 χ^2/NDF : 26.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 40.8/53

All: -0.000+/-0.000 χ^2/NDF : 96.3/110

- sign -0.000+/-0.000 χ^2/NDF : 53.7/56

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7933186.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8461261.9/33

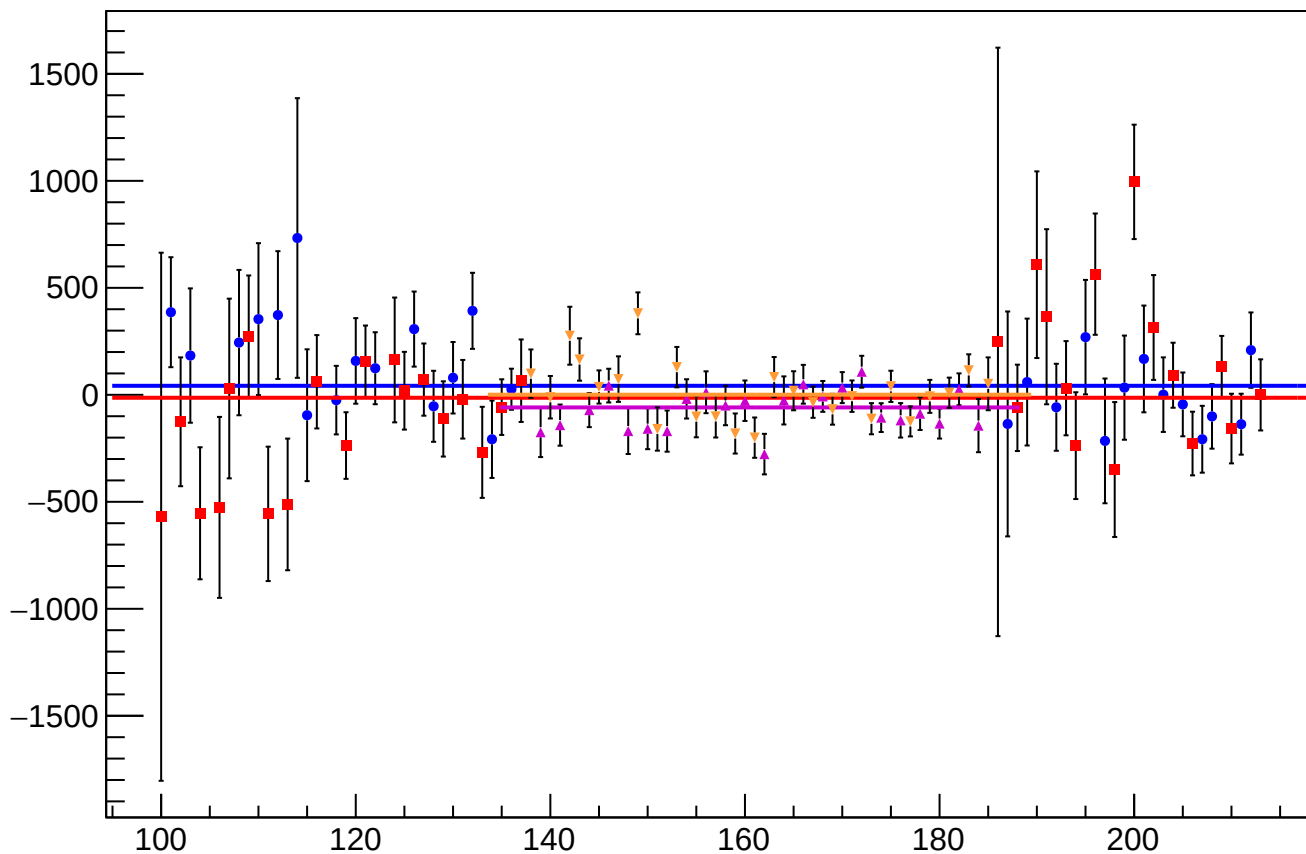
Left In: 0.000+/-0.000 χ^2/NDF : 1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10516256.3/53

All: 0.000+/-0.000 χ^2/NDF : 20719072.7/110

- sign 0.000+/-0.000 χ^2/NDF : 9897494.3/56

reg_asym_sam_26_avg_mean vs Slug



Right In: 42.196+/-35.734 χ^2/NDF : 23.4/28

Left Out: 0.598+/-17.319 χ^2/NDF : 48.6/24

Right Out: -13.744+/-36.550 χ^2/NDF : 46.9/33

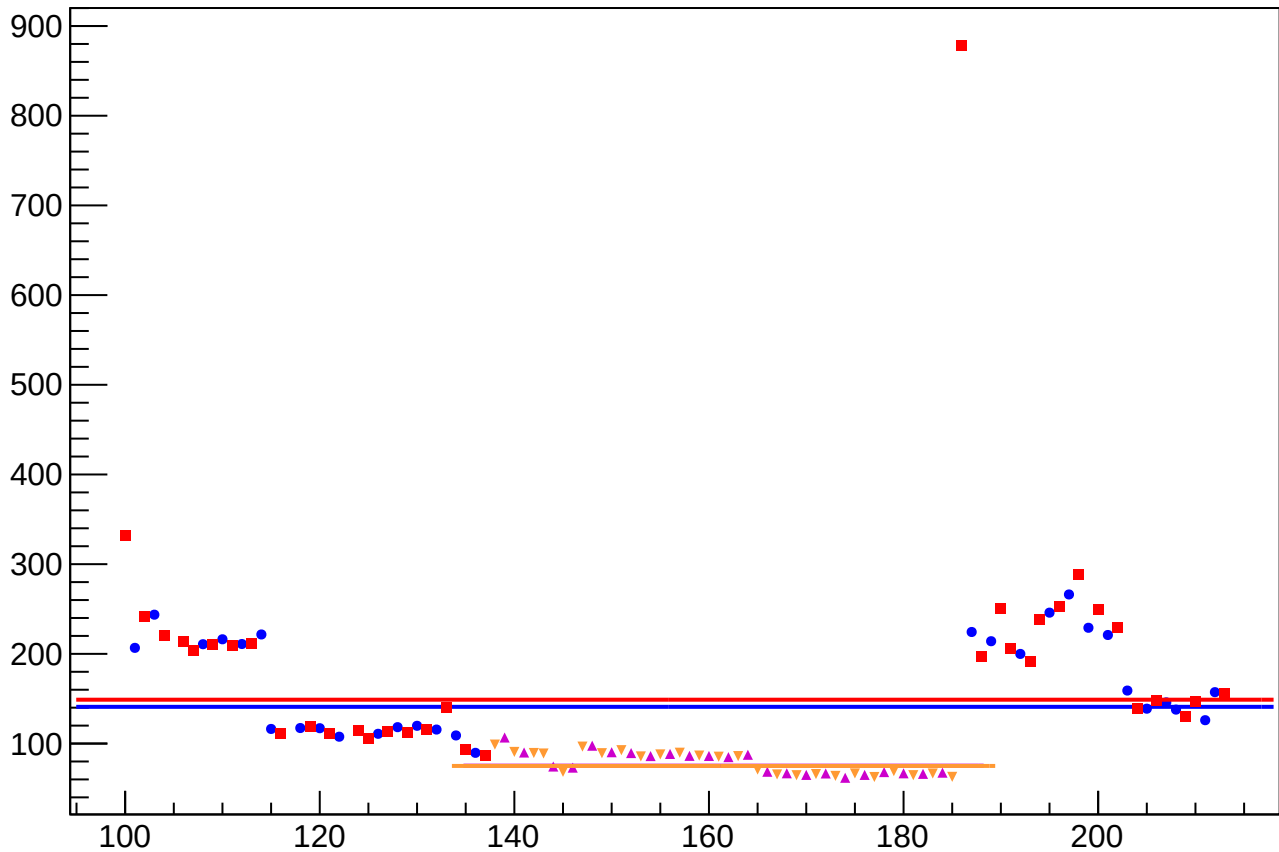
Left In: -58.907+/-17.879 χ^2/NDF : 25.8/22

+ sign 8.511+/-15.585 χ^2/NDF : 73.0/53

All: -19.957+/-11.185 χ^2/NDF : 153.9/110

- sign -50.187+/-16.061 χ^2/NDF : 73.9/56

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.937 $\pm$ 0.025 χ^2 /NDF: 3176543.6/28

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 148.893 $\pm$ 0.026 χ^2 /NDF: 4228699.1/33

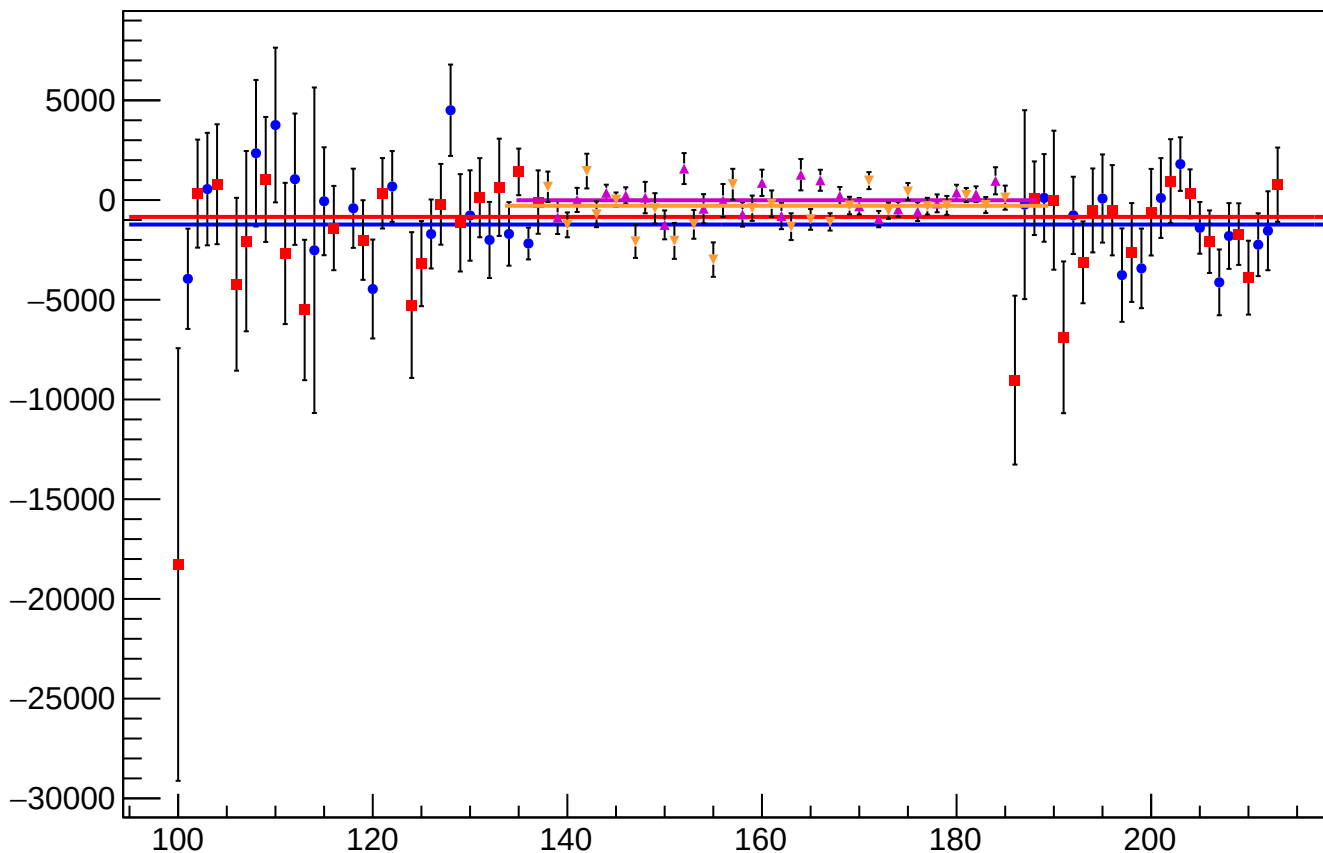
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 87.576 $\pm$ 0.011 χ^2 /NDF: 9611933.2/53

All: 88.534 $\pm$ 0.008 χ^2 /NDF: 21227117.5/110

- sign 89.551 $\pm$ 0.011 χ^2 /NDF: 11599604.6/56

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1227.866 ± 346.948 χ^2/NDF : 28.3/28

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -845.059 ± 365.031 χ^2/NDF : 28.7/33

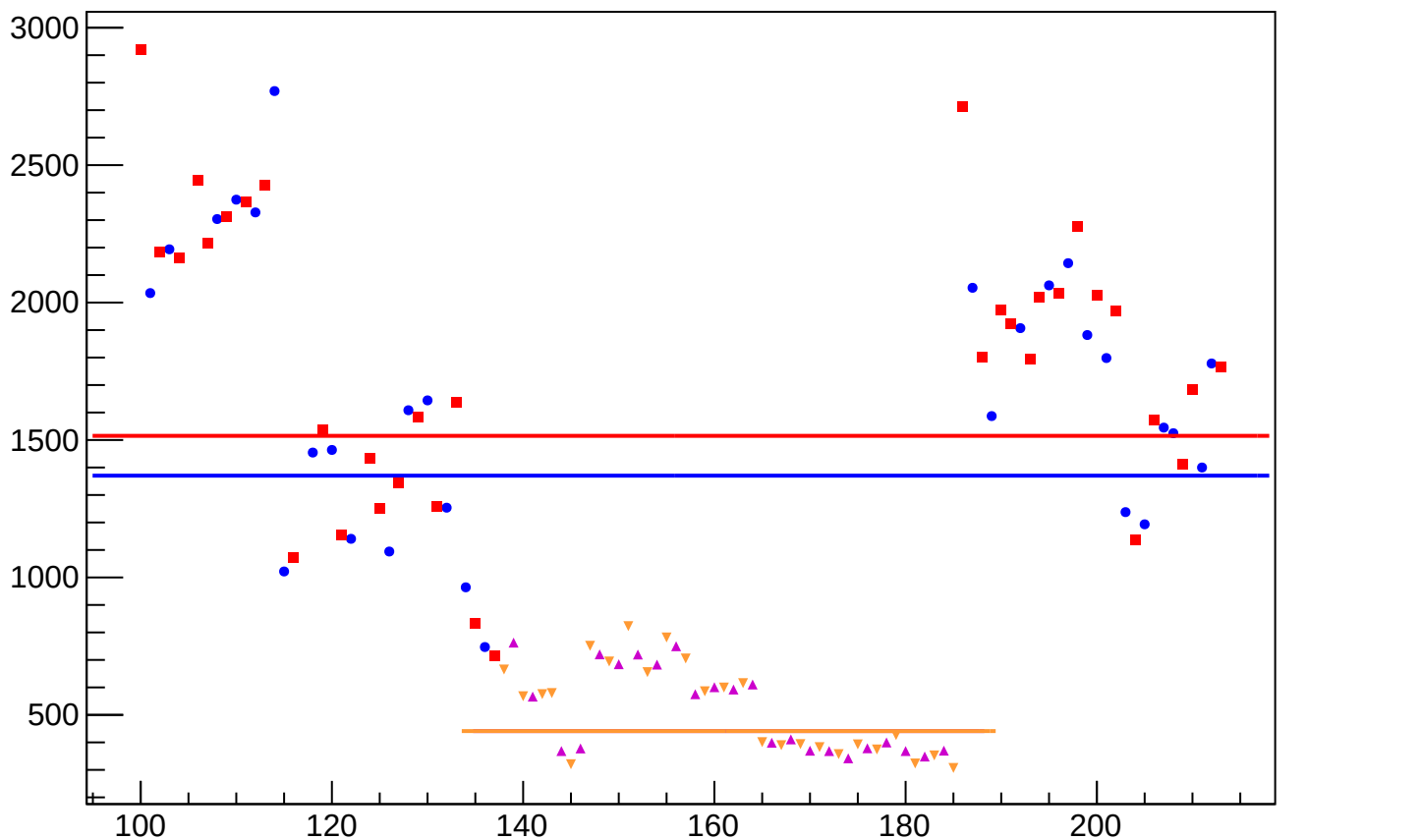
Left In: -10.643 ± 107.669 χ^2/NDF : 33.4/22

+ sign -367.251 ± 100.701 χ^2/NDF : 88.3/53

All: -225.990 ± 72.098 χ^2/NDF : 159.3/110

- sign -77.428 ± 103.271 χ^2/NDF : 66.9/56

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1370.324+/-0.245 χ^2/NDF : 3368001.8/28

Left Out: 441.128+/-0.074 χ^2/NDF : 3234629.2/24

Right Out: 1515.187+/-0.258 χ^2/NDF : 3384944.4/33

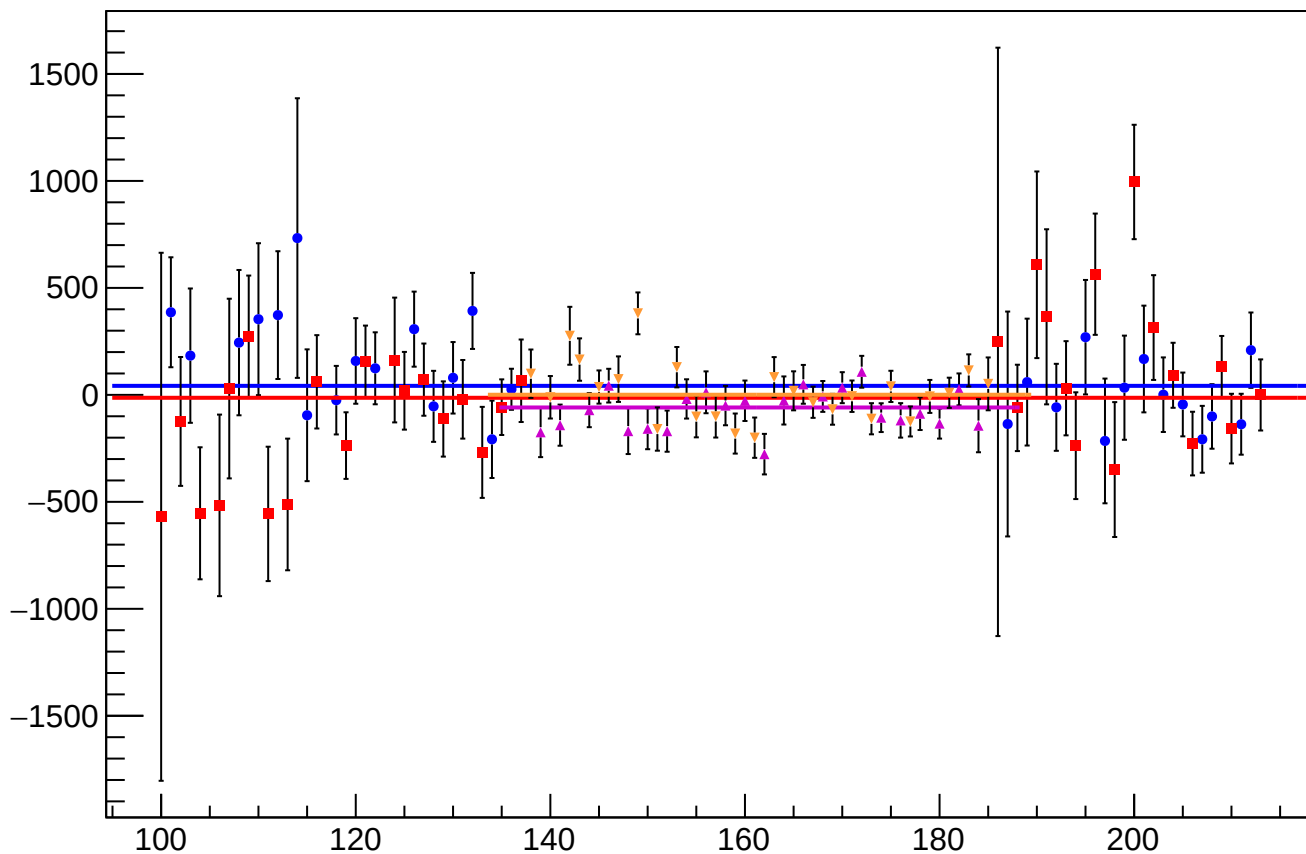
Left In: 441.196+/-0.076 χ^2/NDF : 2682075.8/22

+ sign 519.408+/-0.071 χ^2/NDF : 19739612.7/53

All: 523.184+/-0.051 χ^2/NDF : 41739661.8/11

- sign 527.156+/-0.073 χ^2/NDF : 21994278.7/56

cor_asym_sam_26_avg_mean vs Slug



Right In: 42.182 ± 35.734 $\chi^2/\text{NDF}: 23.4/28$

Left Out: 0.598 ± 17.319 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -13.619 ± 36.552 $\chi^2/\text{NDF}: 46.8/33$

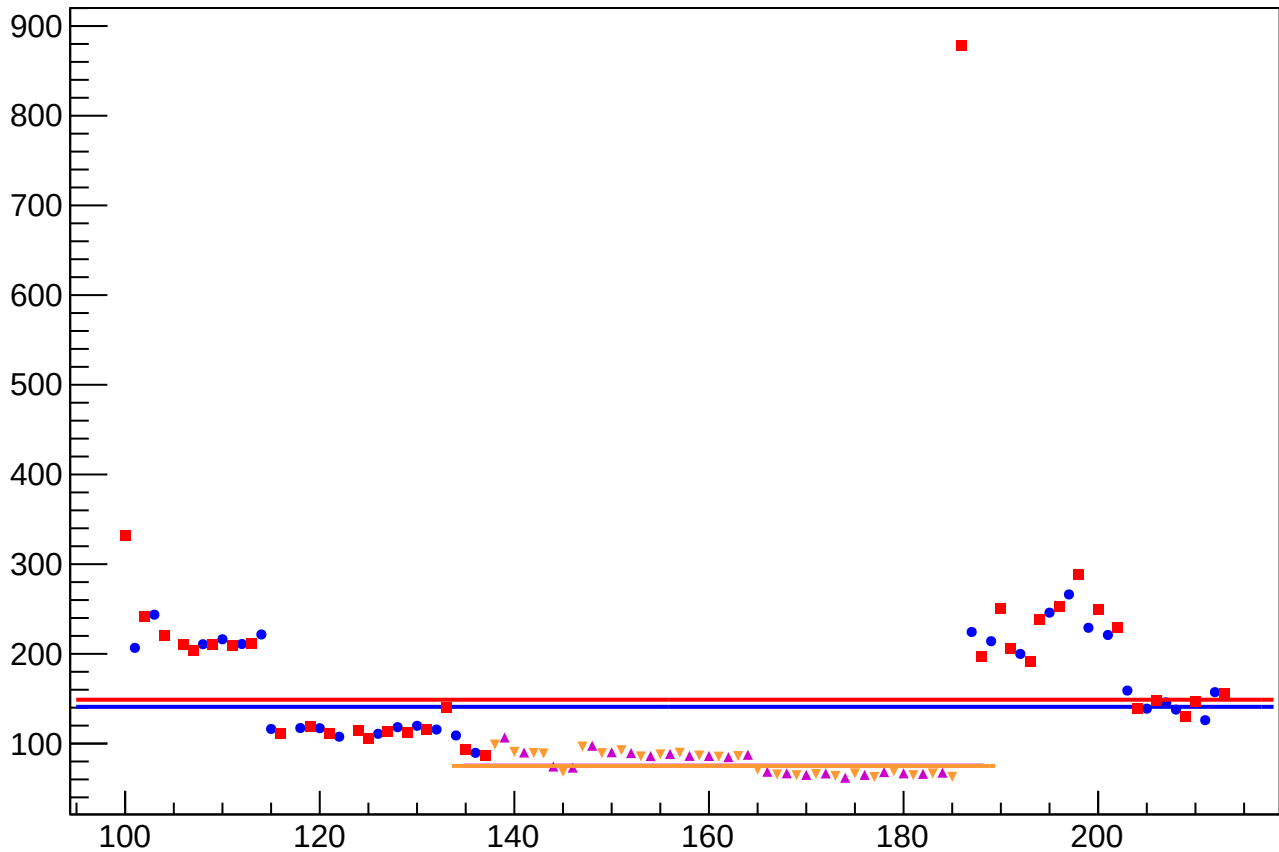
Left In: -58.904 ± 17.879 $\chi^2/\text{NDF}: 25.8/22$

+ sign 8.508 ± 15.585 $\chi^2/\text{NDF}: 73.0/53$

All: -19.946 ± 11.185 $\chi^2/\text{NDF}: 153.8/110$

- sign -50.161 ± 16.061 $\chi^2/\text{NDF}: 73.9/56$

cor_asym_sam_26_avg_rms vs Slug



Right In: 140.937 $\pm$ 0.025 χ^2 /NDF: 3176546.1/28

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF:928107.8/24

Right Out: 148.867 $\pm$ 0.026 χ^2 /NDF: 4224341.2/33

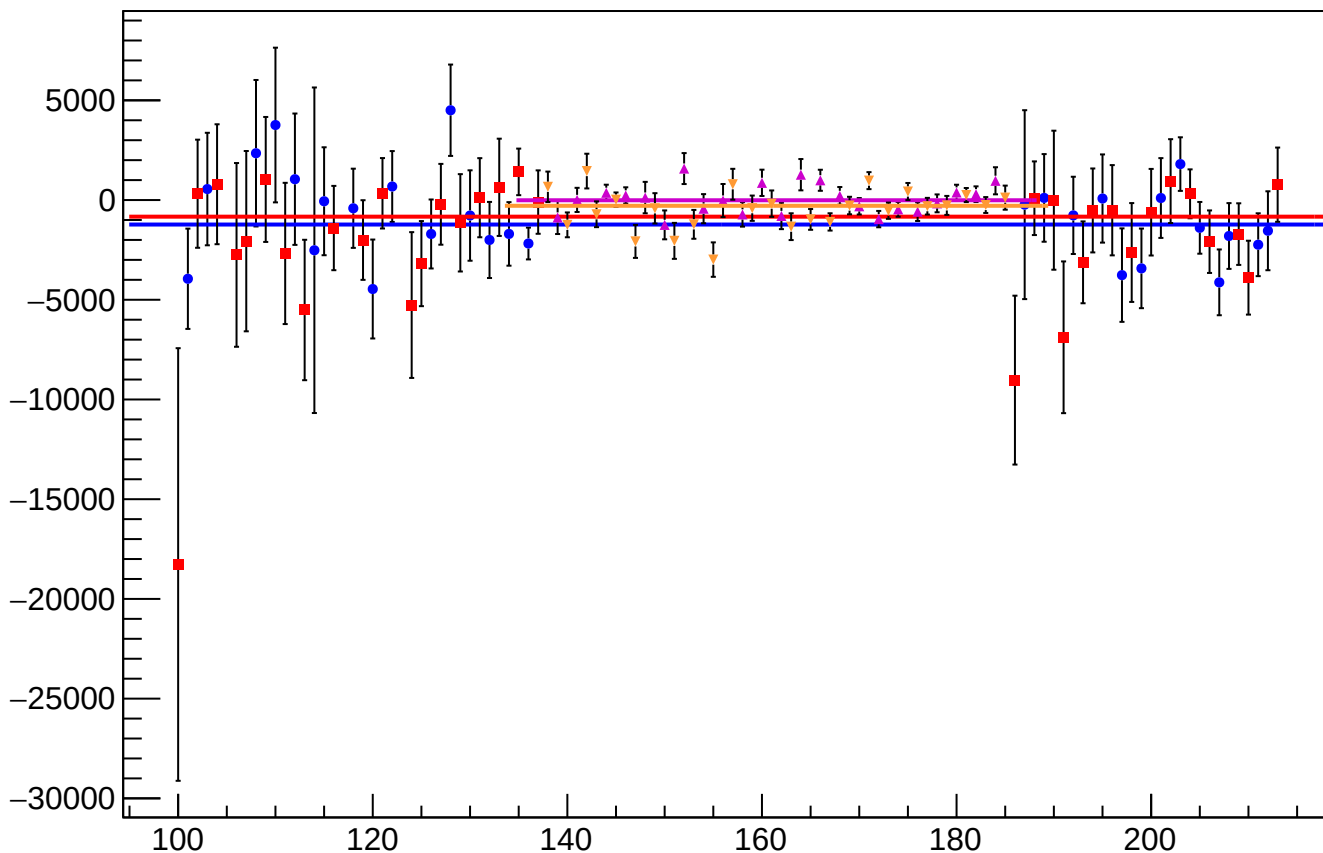
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF:837634.2/22

+ sign 87.576 $\pm$ 0.011 χ^2 /NDF: 9611935.2/53

All: 88.531 $\pm$ 0.008 χ^2 /NDF: 21217698.6/110

- sign 89.545 $\pm$ 0.011 χ^2 /NDF: 11590275.1/56

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1227.860 $\pm$ 346.948 χ^2 /NDF: 28.3/28

Left Out: -288.079 $\pm$ 105.231 χ^2 /NDF: 53.3/24

Right Out: -833.188 $\pm$ 365.185 χ^2 /NDF: 28.3/33

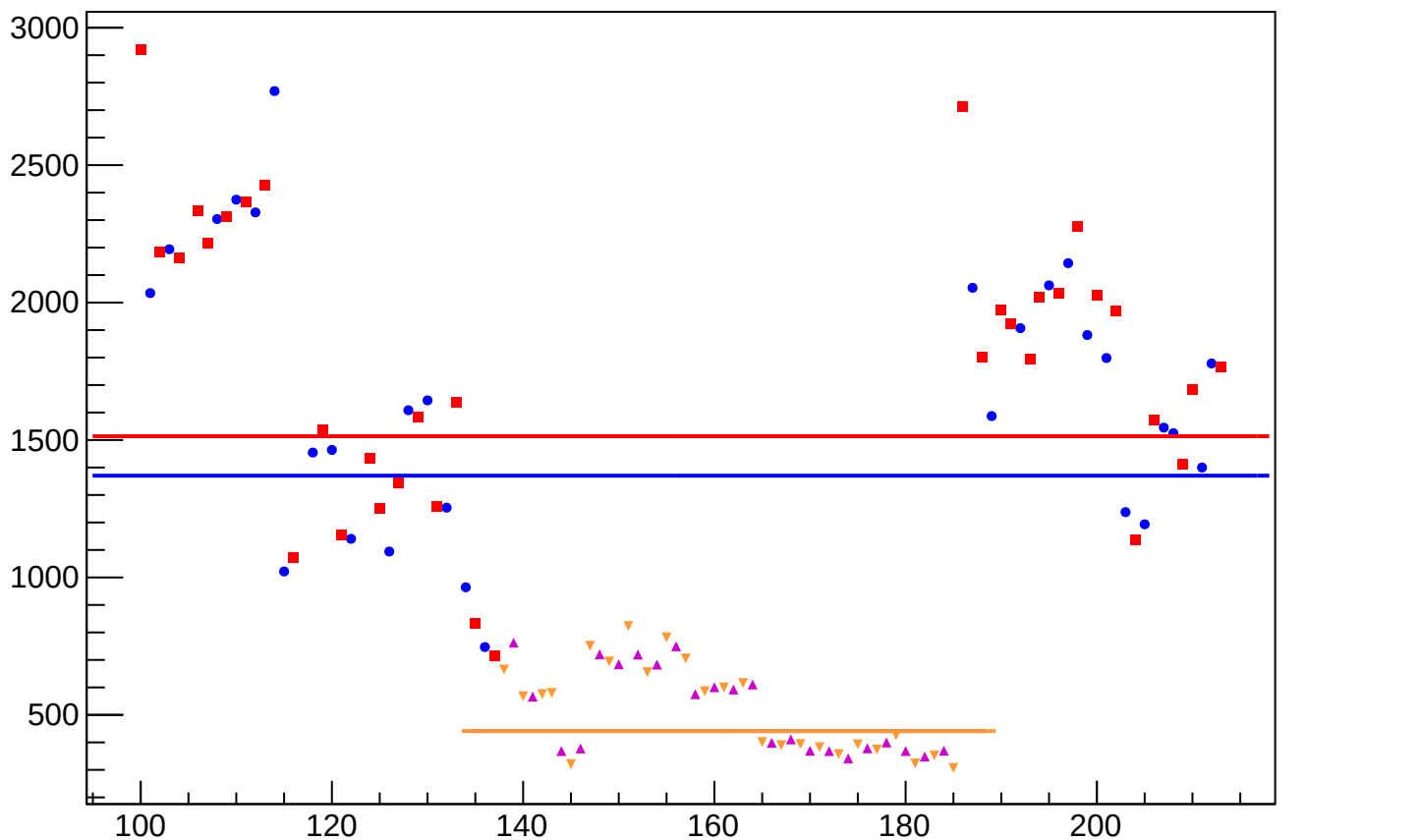
Left In: -10.644 $\pm$ 107.670 χ^2 /NDF: 33.4/22

+ sign -367.250 $\pm$ 100.701 χ^2 /NDF: 88.3/53

All: -225.507 $\pm$ 72.099 χ^2 /NDF: 158.8/110

- sign -76.428 $\pm$ 103.274 χ^2 /NDF: 66.4/56

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1370.324+/-0.245 χ^2/NDF : 3368032.8/28

Left Out: 441.128+/-0.074 χ^2/NDF : 3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF : 3356669.4/33

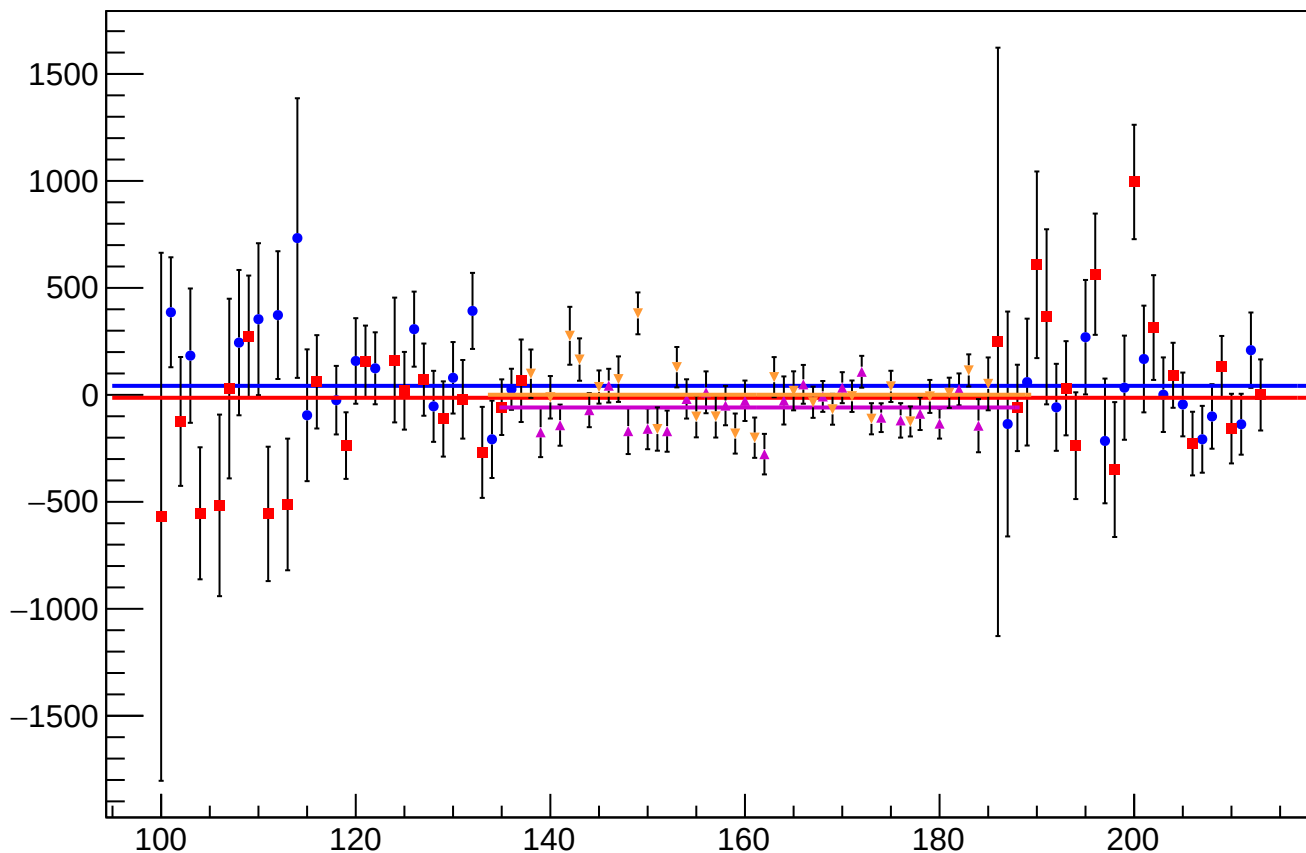
Left In: 441.196+/-0.076 χ^2/NDF : 2682073.9/22

+ sign 519.408+/-0.071 χ^2/NDF : 19739622.0/53

All: 523.096+/-0.051 χ^2/NDF : 41656361.0/11

- sign 526.975+/-0.073 χ^2/NDF : 21911234.8/56

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 42.182 ± 35.734 $\chi^2/\text{NDF}: 23.4/28$

Left Out: 0.598 ± 17.319 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -13.619 ± 36.552 $\chi^2/\text{NDF}: 46.8/33$

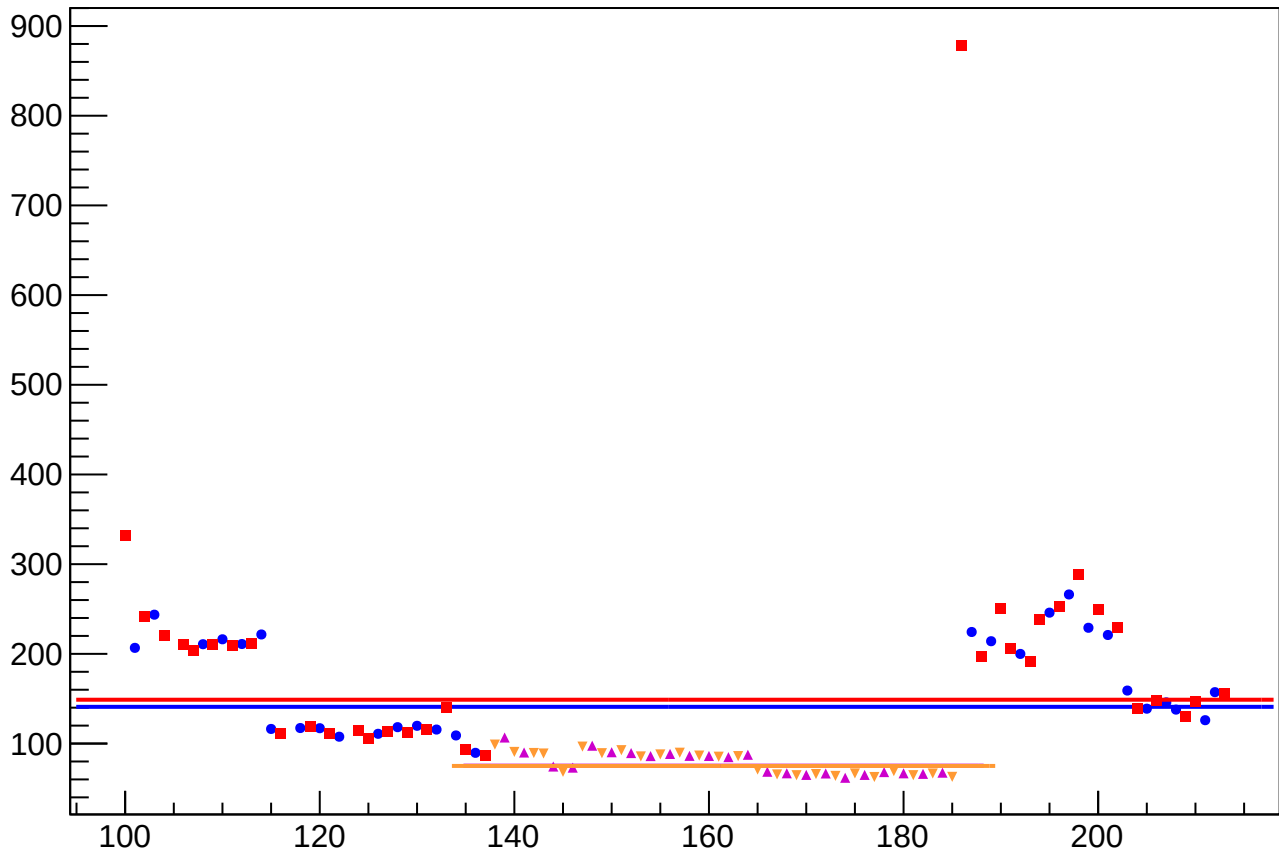
Left In: -58.904 ± 17.879 $\chi^2/\text{NDF}: 25.8/22$

+ sign 8.508 ± 15.585 $\chi^2/\text{NDF}: 73.0/53$

All: -19.946 ± 11.185 $\chi^2/\text{NDF}: 153.8/110$

- sign -50.161 ± 16.061 $\chi^2/\text{NDF}: 73.9/56$

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 140.937 $\pm$ 0.025 χ^2 /NDF: 3176546.1/28

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 148.867 $\pm$ 0.026 χ^2 /NDF: 4224341.2/33

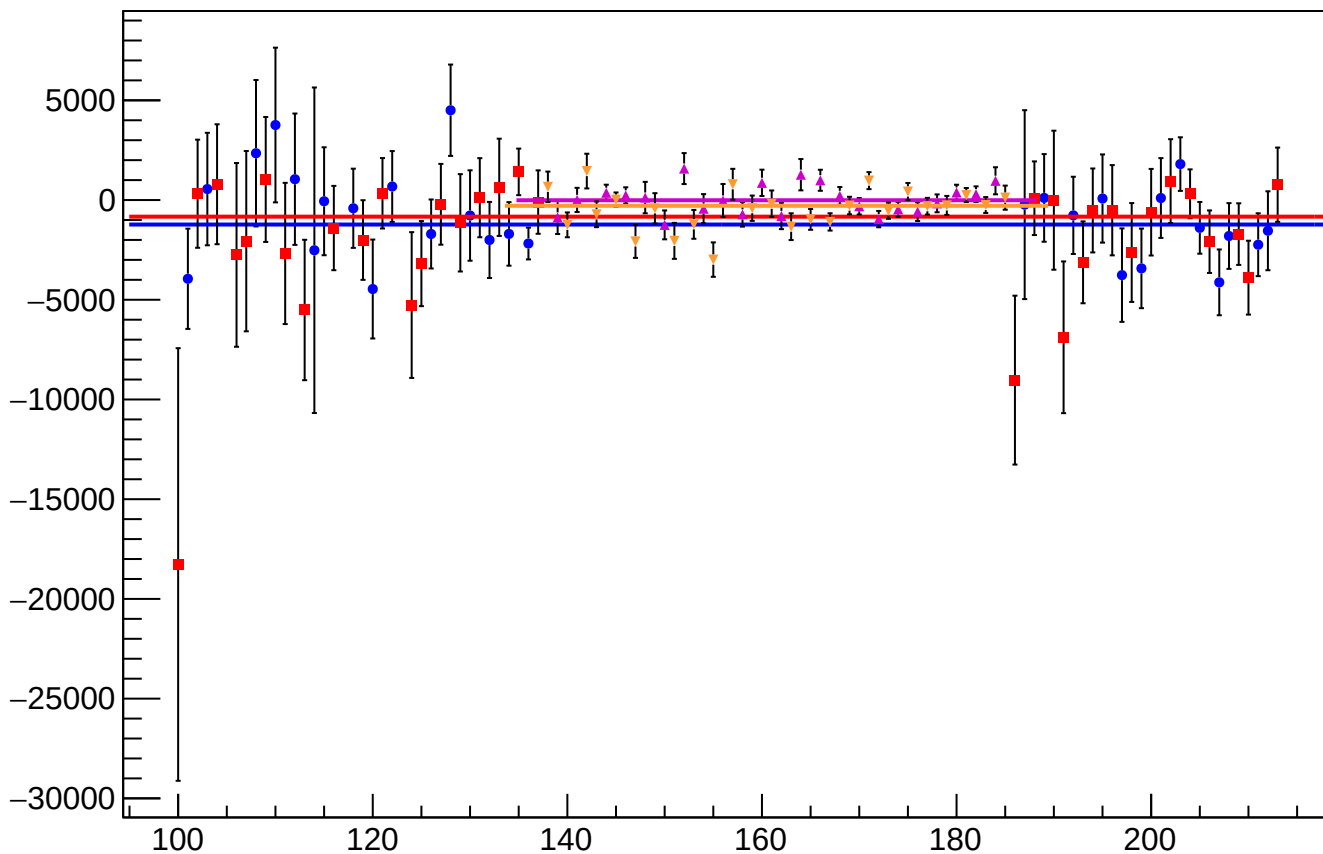
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 87.576 $\pm$ 0.011 χ^2 /NDF: 9611935.2/53

All: 88.531 $\pm$ 0.008 χ^2 /NDF: 21217698.6/110

- sign 89.545 $\pm$ 0.011 χ^2 /NDF: 11590275.1/56

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1227.860 ± 346.948 χ^2/NDF : 28.3/28

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -833.188 ± 365.185 χ^2/NDF : 28.3/33

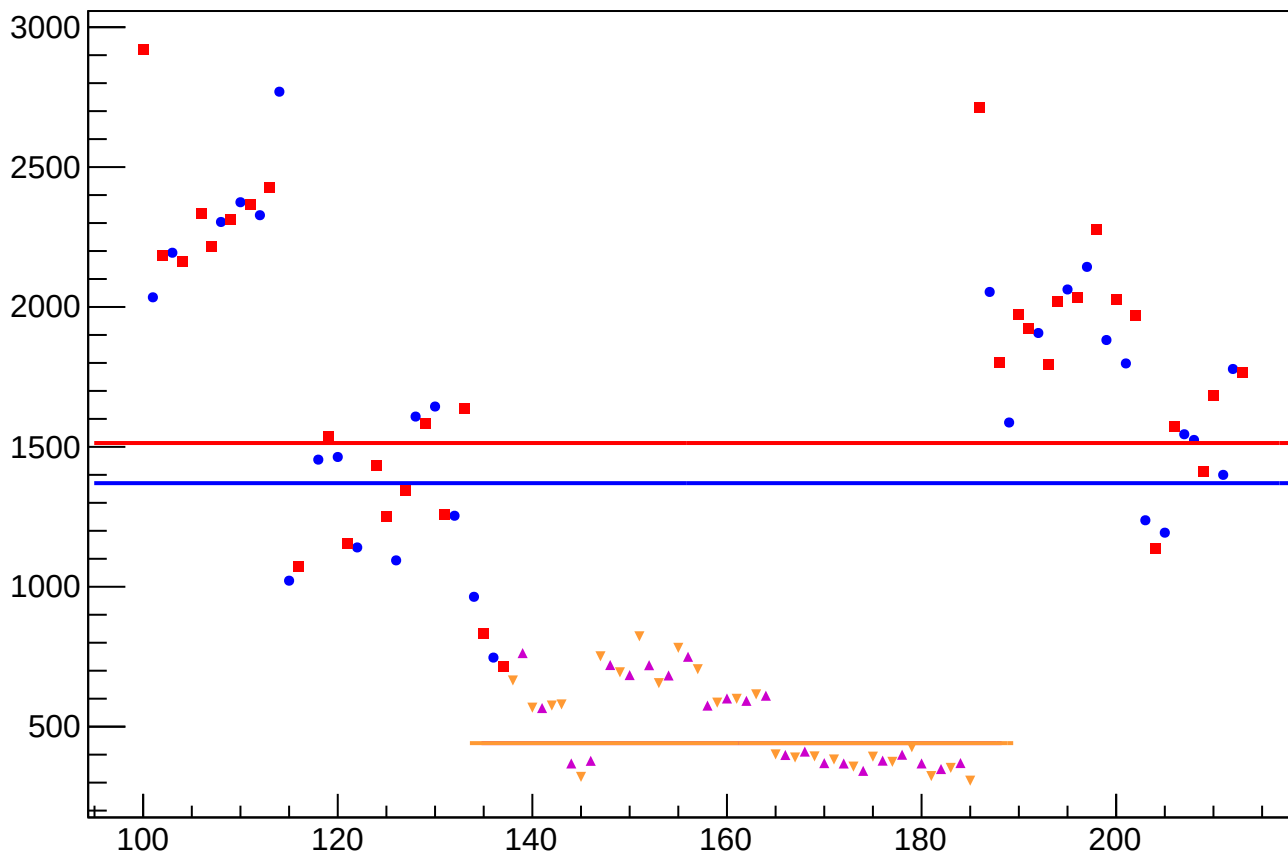
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -367.250 ± 100.701 χ^2/NDF : 88.3/53

All: -225.507 ± 72.099 χ^2/NDF : 158.8/110

- sign -76.428 ± 103.274 χ^2/NDF : 66.4/56

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1370.324+/-0.245 χ^2/NDF : 3368032.8/28

Left Out: 441.128+/-0.074 χ^2/NDF : 3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF : 3356669.4/33

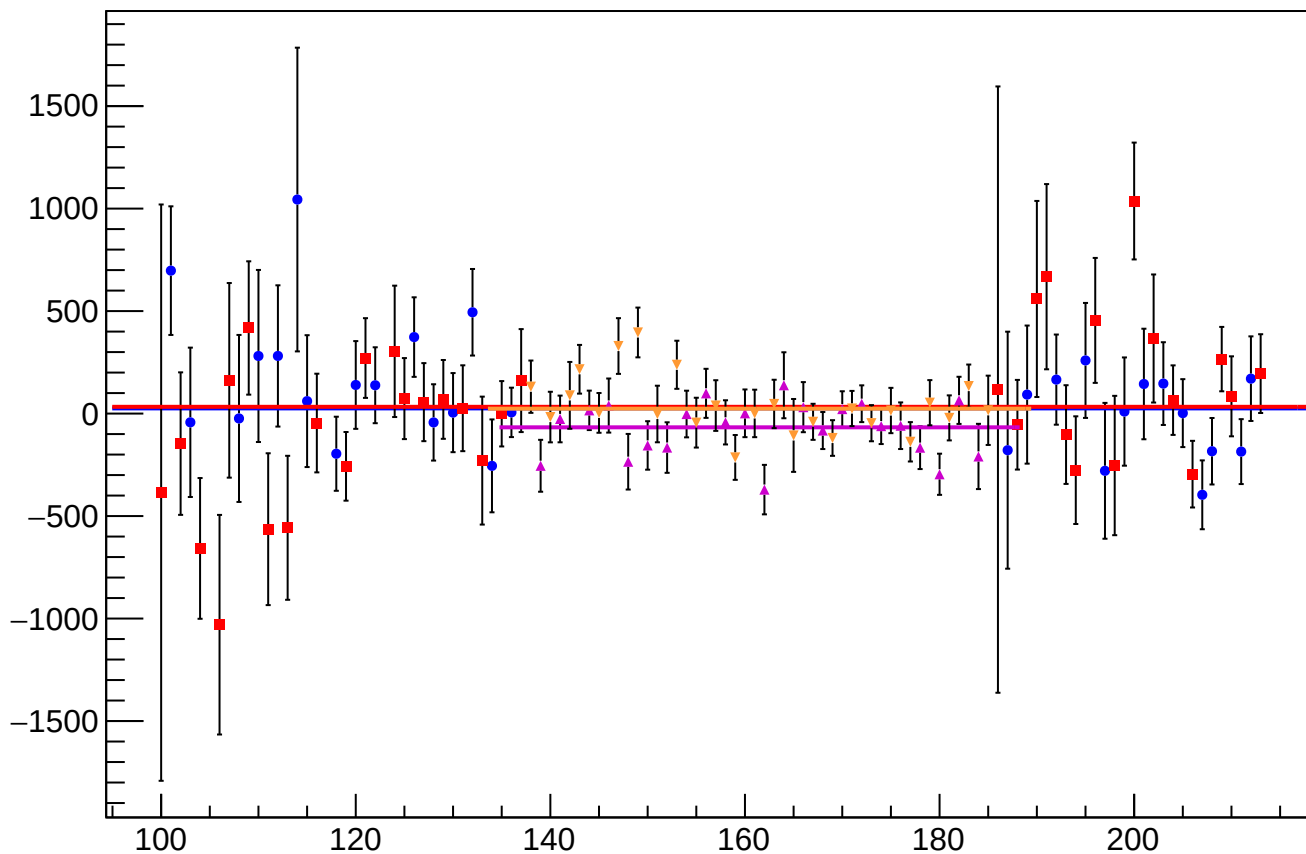
Left In: 441.196+/-0.076 χ^2/NDF : 2682073.9/22

+ sign 519.408+/-0.071 χ^2/NDF : 19739622.0/53

All: 523.096+/-0.051 χ^2/NDF : 41656361.0/11

- sign 526.975+/-0.073 χ^2/NDF : 21911234.8/56

dit_asym_sam_26_avg_mean vs Slug



Right In: 25.261 $\pm$ 40.687 χ^2 /NDF: 32.4/28

Left Out: 23.873 $\pm$ 22.414 χ^2 /NDF: 35.2/24

Right Out: 32.985 $\pm$ 41.578 χ^2 /NDF: 50.0/33

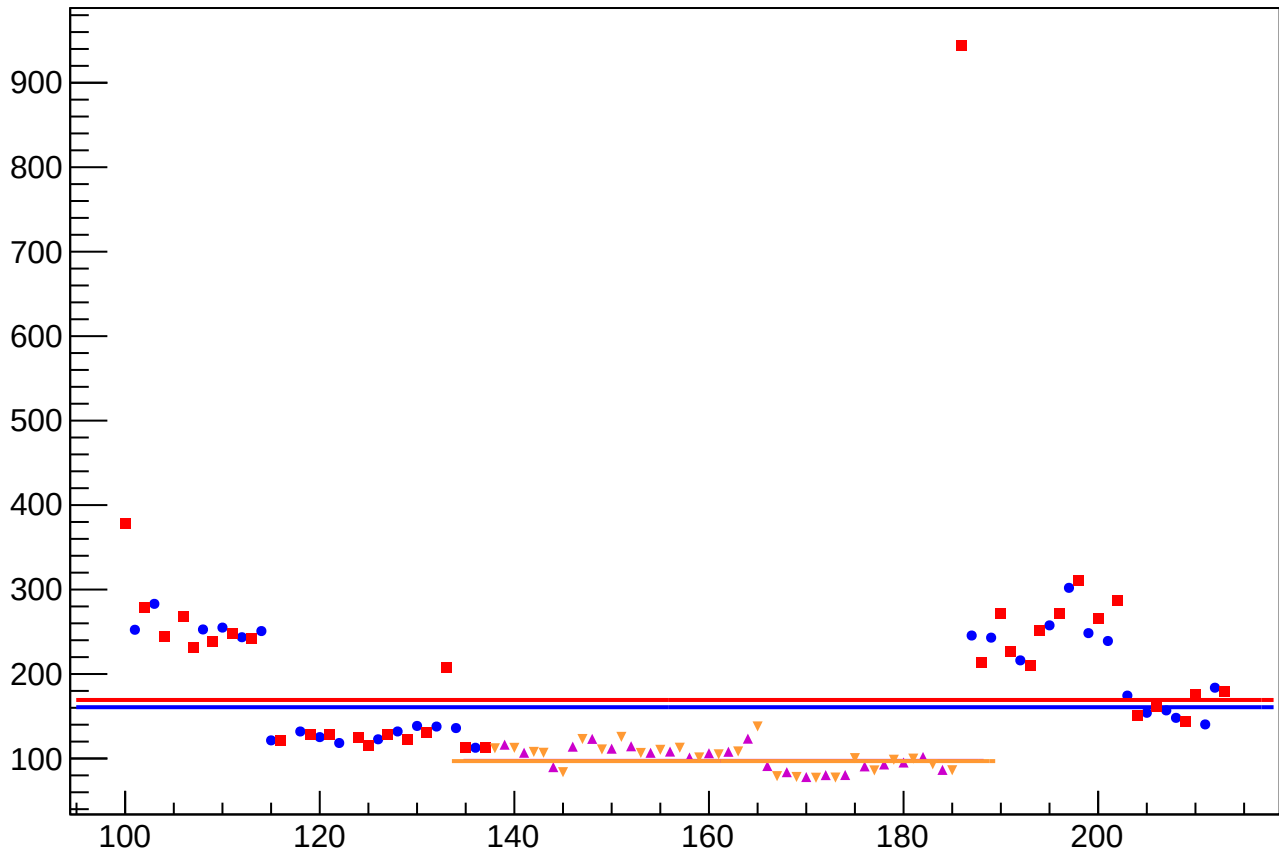
Left In: -67.086 $\pm$ 23.121 χ^2 /NDF: 28.6/22

+ sign 24.196 $\pm$ 19.632 χ^2 /NDF: 67.6/53

All: -8.651 $\pm$ 14.081 χ^2 /NDF: 156.4/110

- sign -43.450 $\pm$ 20.207 χ^2 /NDF: 83.0/56

dit_asym_sam_26_avg_rms vs Slug



Right In: 160.711 $\pm$ 0.029 χ^2 /NDF: 2864918.2/28

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933980.7/24

Right Out: 169.280 $\pm$ 0.029 χ^2 /NDF: 4016459.5/33

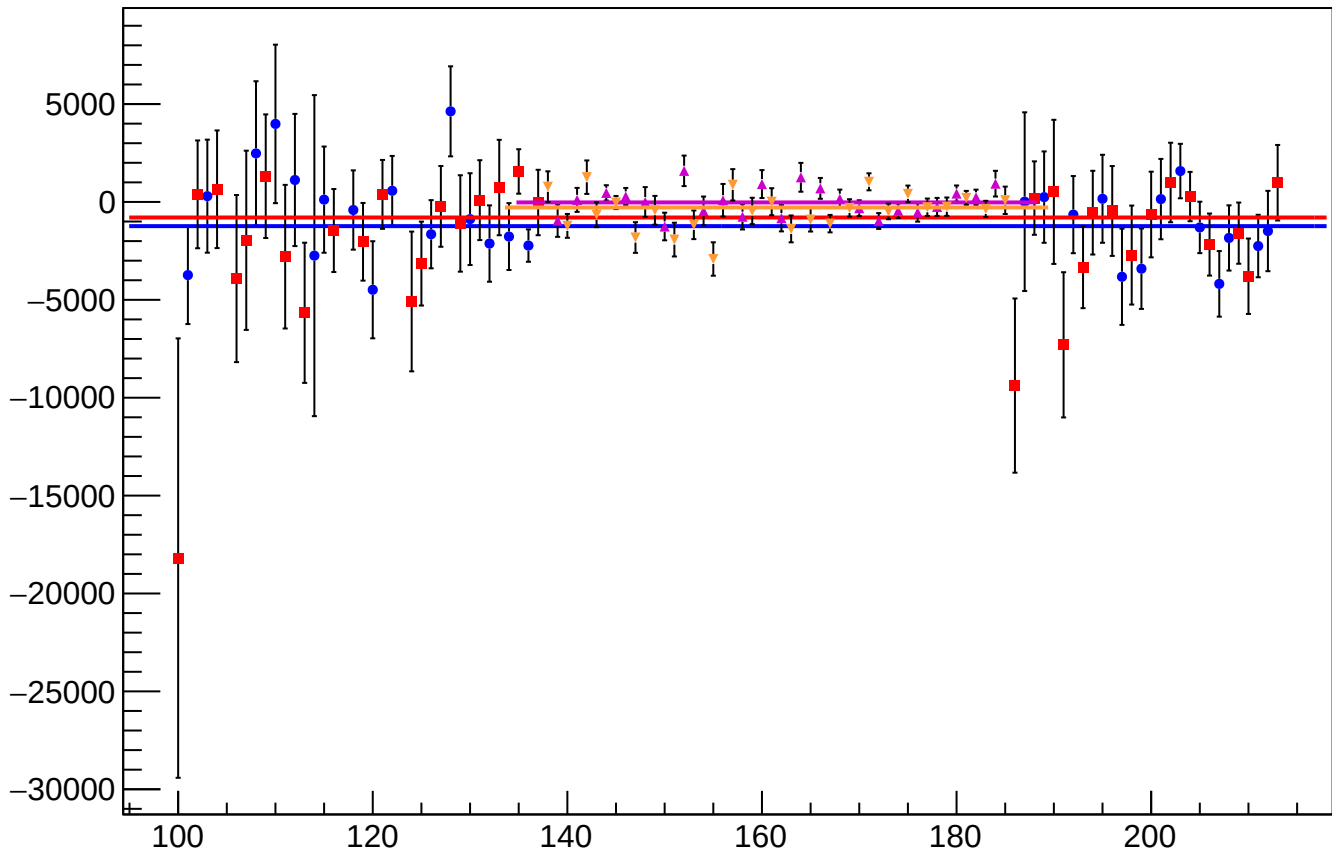
Left In: 97.167 $\pm$ 0.016 χ^2 /NDF:674595.2/22

+ sign 111.762 $\pm$ 0.014 χ^2 /NDF: 7572152.9/53

All: 112.946 $\pm$ 0.010 χ^2 /NDF: 16873400.6/11

- sign 114.200 $\pm$ 0.014 χ^2 /NDF: 9286278.1/56

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1235.948 ± 355.532 χ^2/NDF : 27.3/28

Left Out: -282.422 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -794.685 ± 368.969 χ^2/NDF : 29.9/33

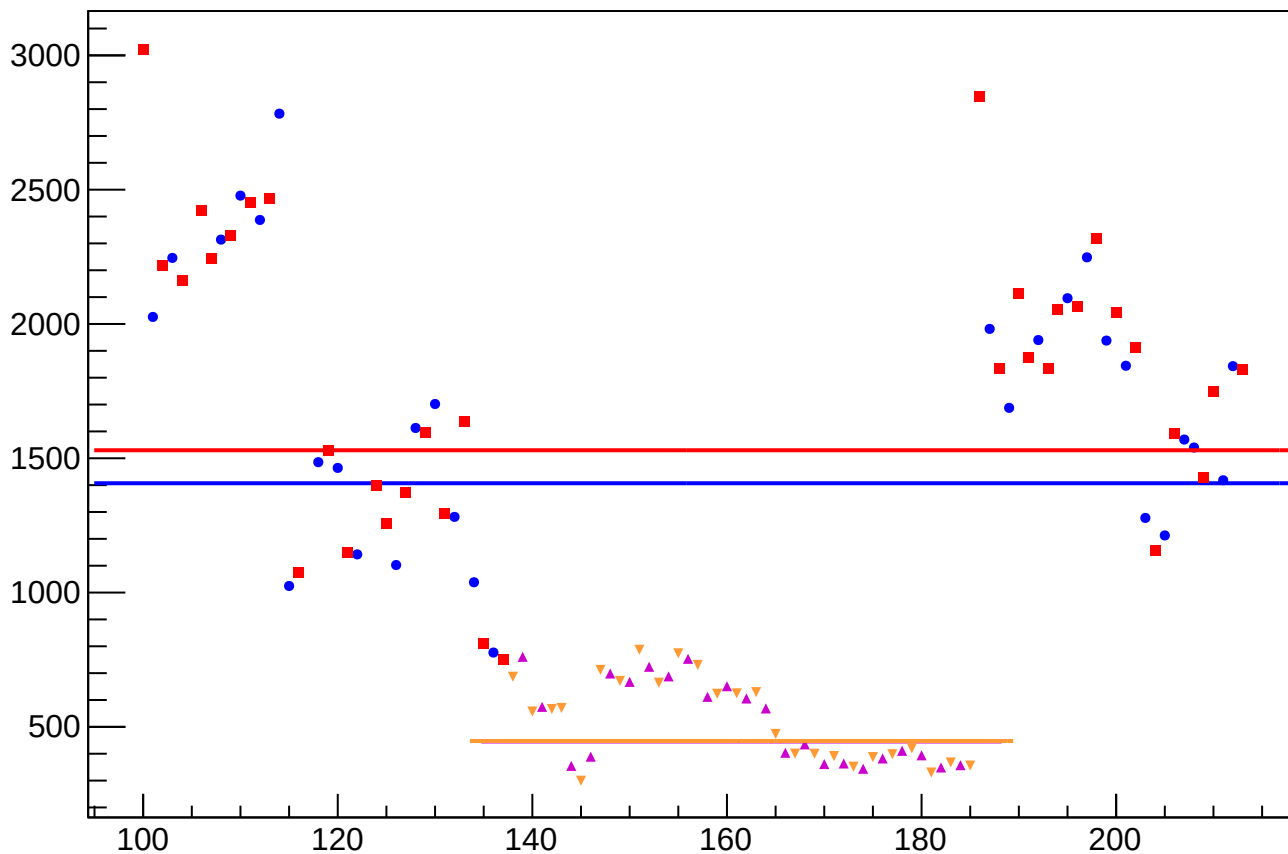
Left In: -24.625 ± 108.884 χ^2/NDF : 32.9/22

+ sign -360.795 ± 101.928 χ^2/NDF : 84.4/53

All: -226.884 ± 72.943 χ^2/NDF : 154.7/110

- sign -86.314 ± 104.431 χ^2/NDF : 66.8/56

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1407.018 $\pm$ 0.251 χ^2 /NDF: 3271955.9/28

Left Out: 447.386 $\pm$ 0.075 χ^2 /NDF: 3197771.9/24

Right Out: 1529.861 $\pm$ 0.261 χ^2 /NDF: 3479065.1/33

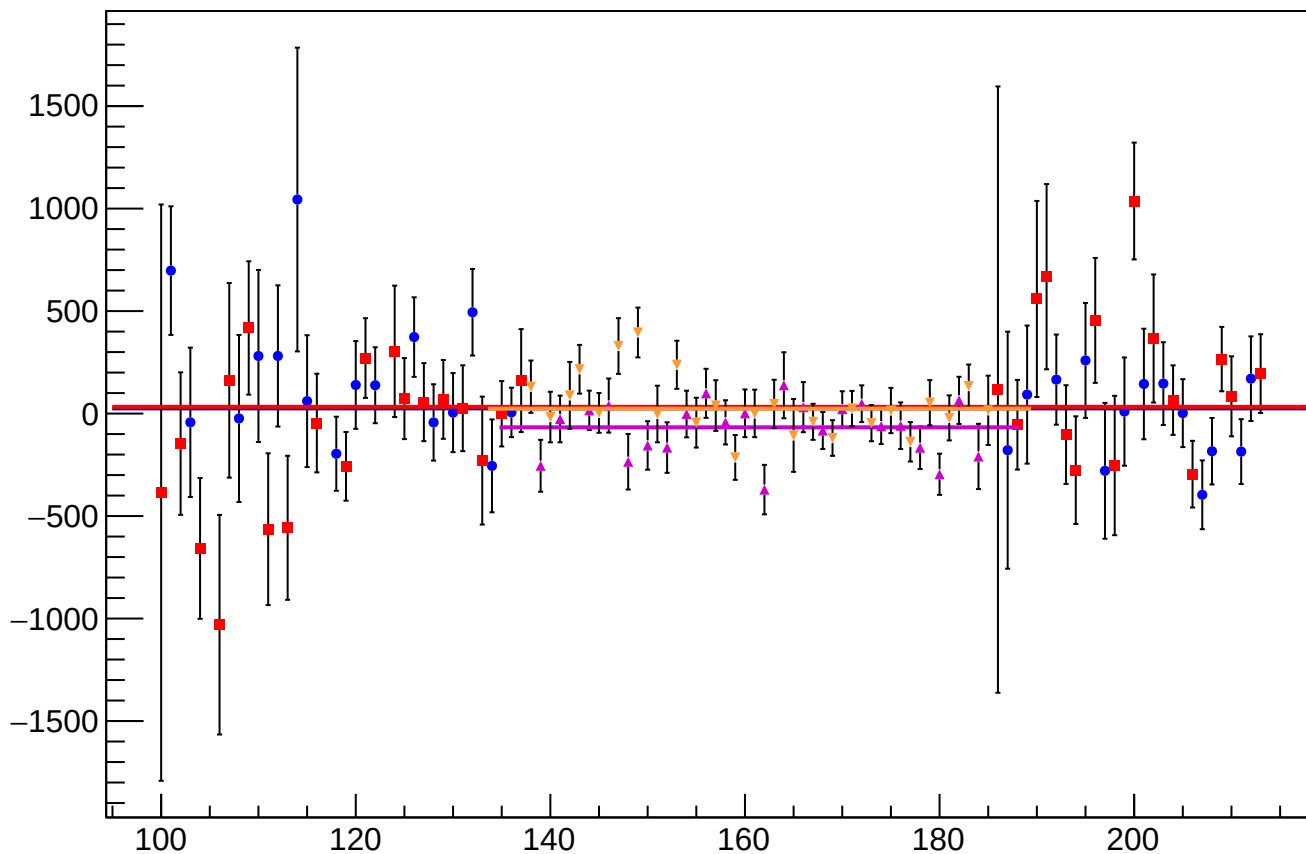
Left In: 445.491 $\pm$ 0.077 χ^2 /NDF: 2713295.1/22

+ sign 526.260 $\pm$ 0.072 χ^2 /NDF: 19842894.9/53

All: 529.235 $\pm$ 0.052 χ^2 /NDF: 41929349.7/11

- sign 532.359 $\pm$ 0.074 χ^2 /NDF: 22082961.4/56

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 25.264 $\pm$ 40.687 χ^2 /NDF: 32.4/28

Left Out: 23.872 $\pm$ 22.414 χ^2 /NDF:35.2/24

Right Out: 32.984 $\pm$ 41.578 χ^2 /NDF: 50.0/33

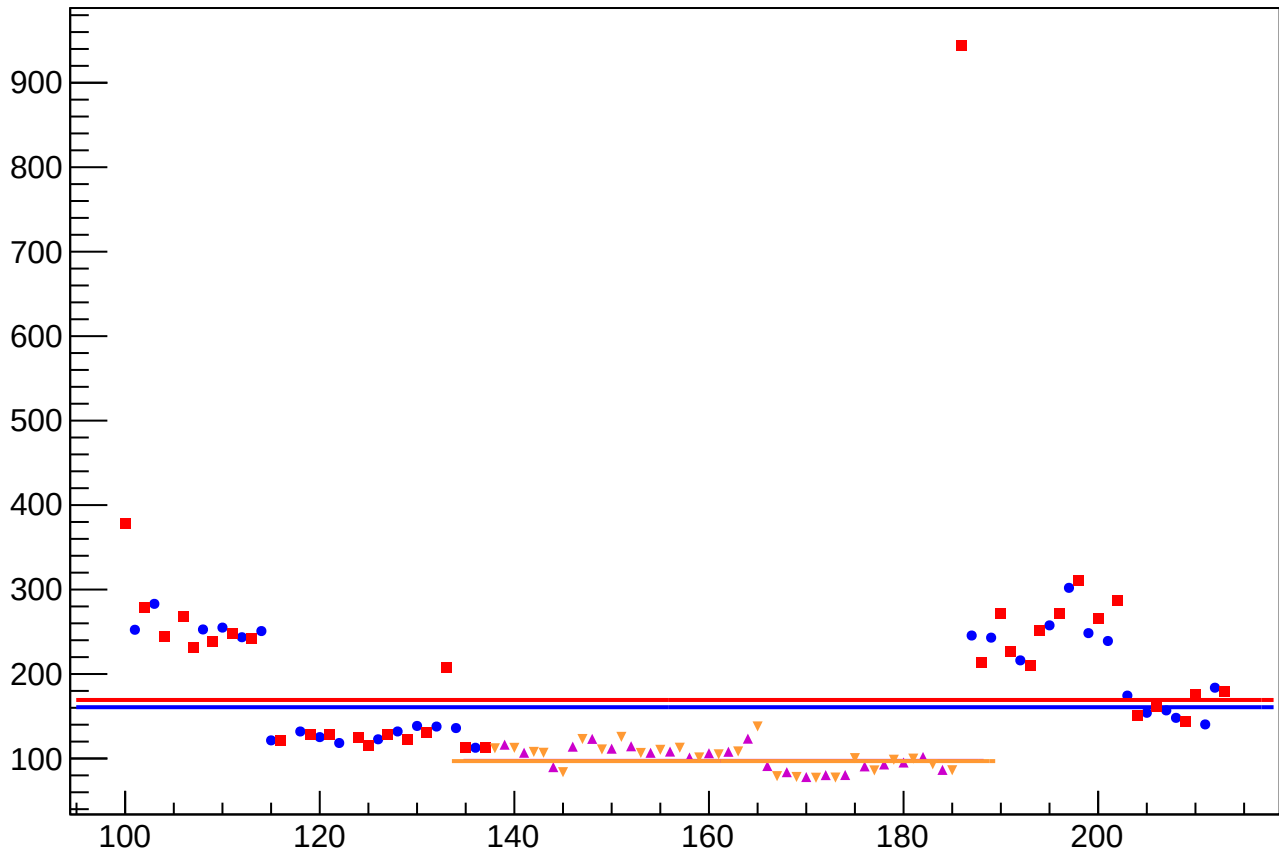
Left In: -67.085 $\pm$ 23.121 χ^2 /NDF:28.6/22

+ sign 24.196 $\pm$ 19.632 χ^2 /NDF: 67.6/53

All: -8.651 $\pm$ 14.081 χ^2 /NDF: 156.4/110

- sign -43.449 $\pm$ 20.207 χ^2 /NDF: 83.0/56

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 160.711 $\pm$ 0.029 χ^2 /NDF: 2864930.1/28

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933979.3/24

Right Out: 169.280 $\pm$ 0.029 χ^2 /NDF: 4016460.4/33

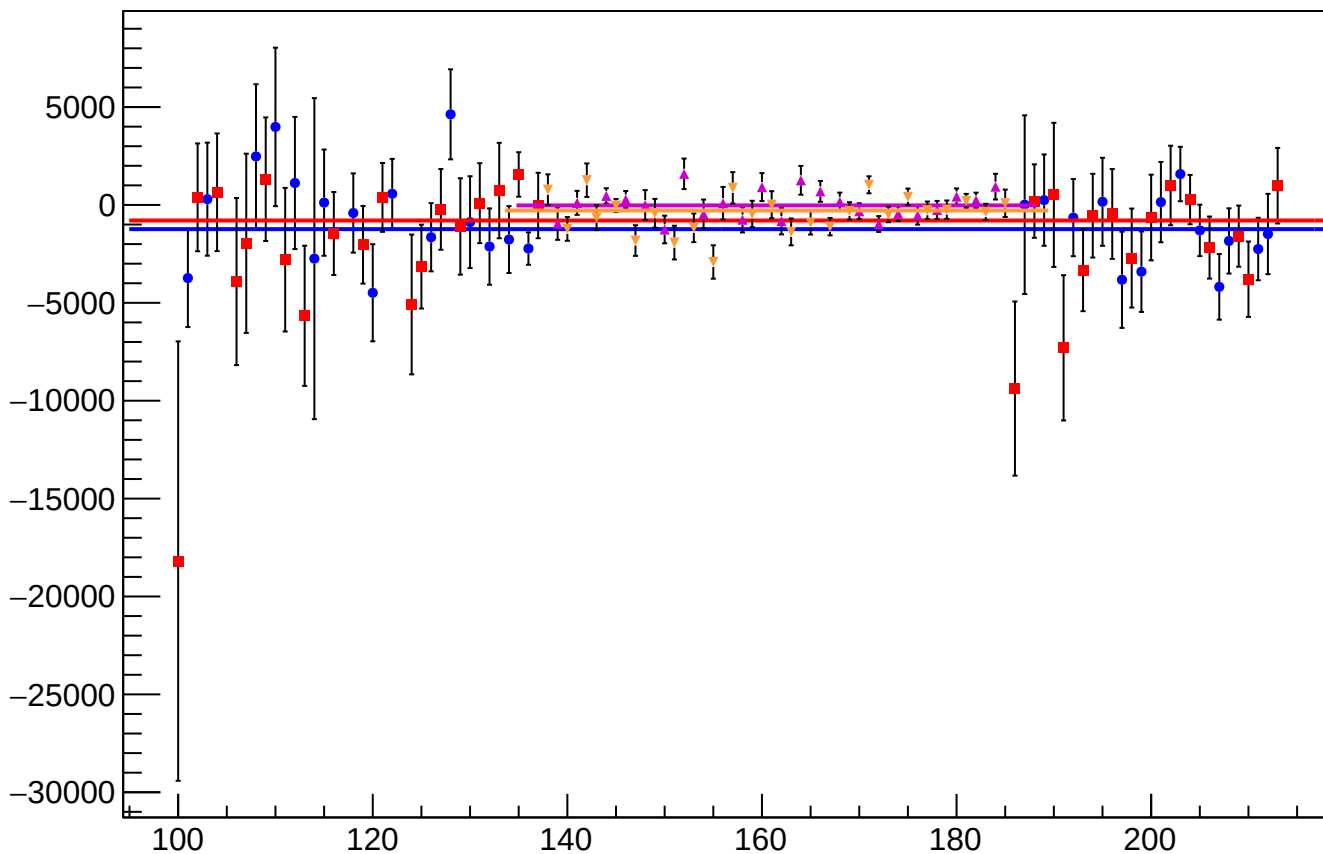
Left In: 97.168 $\pm$ 0.016 χ^2 /NDF:674586.0/22

+ sign 111.763 $\pm$ 0.014 χ^2 /NDF: 7572086.3/53

All: 112.946 $\pm$ 0.010 χ^2 /NDF: 16873254.3/11

- sign 114.200 $\pm$ 0.014 χ^2 /NDF: 9286196.9/56

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1235.946 ± 355.532 χ^2/NDF : 27.3/28

Left Out: -282.421 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -794.686 ± 368.969 χ^2/NDF : 29.9/33

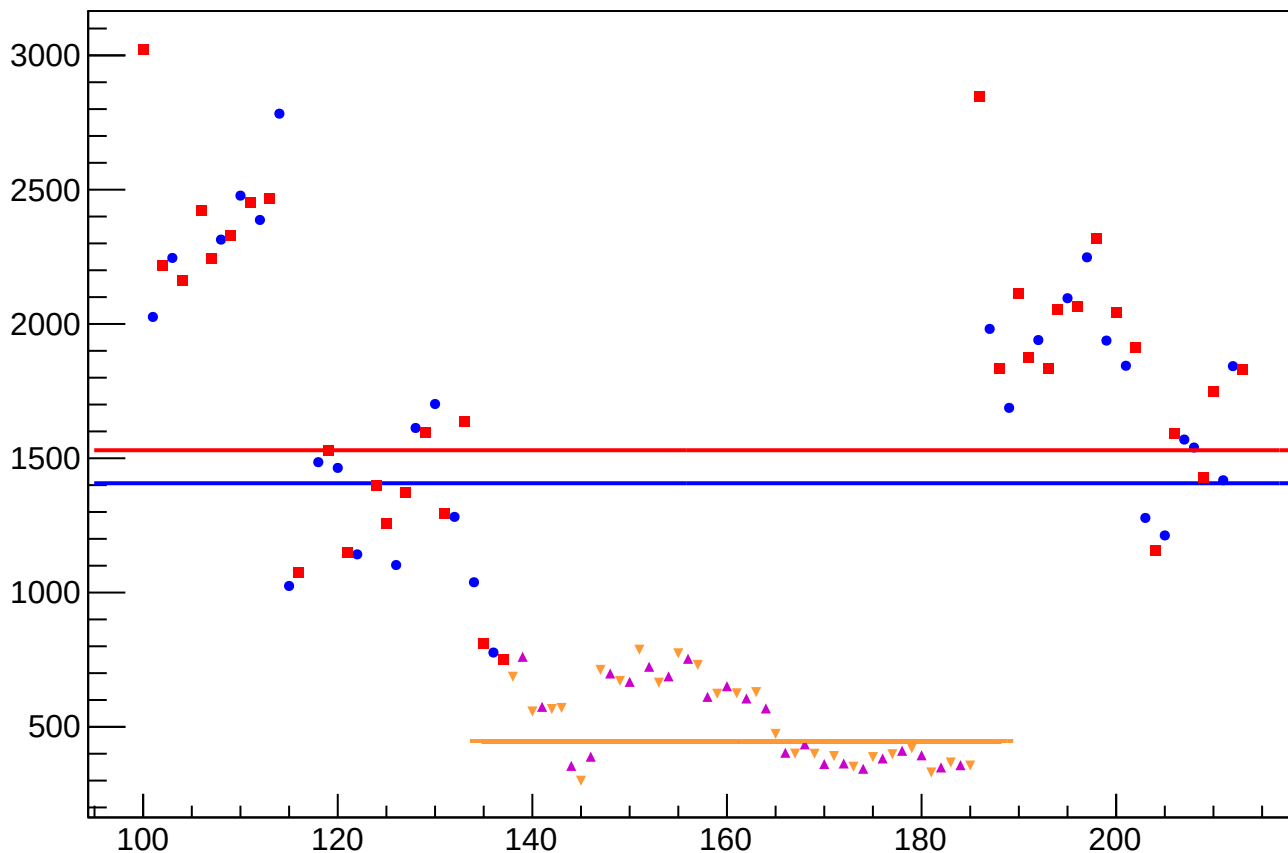
Left In: -24.626 ± 108.884 χ^2/NDF : 32.9/22

+ sign -360.794 ± 101.928 χ^2/NDF : 84.4/53

All: -226.883 ± 72.943 χ^2/NDF : 154.7/110

- sign -86.315 ± 104.431 χ^2/NDF : 66.8/56

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1407.018 $\pm$ 0.251 χ^2 /NDF: 3271936.7/28

Left Out: 447.385 $\pm$ 0.075 χ^2 /NDF: 3197793.9/24

Right Out: 1529.861 $\pm$ 0.261 χ^2 /NDF: 3479047.2/33

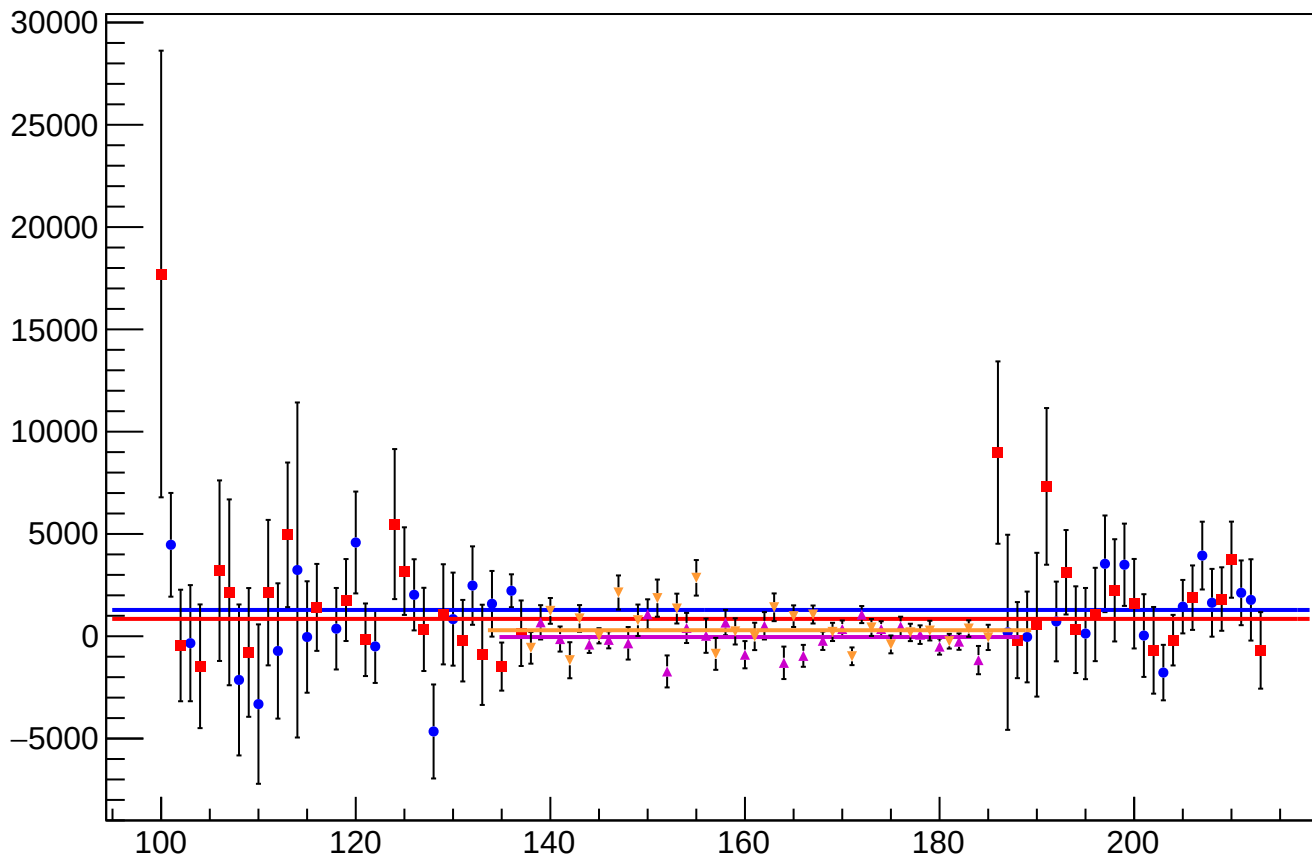
Left In: 445.491 $\pm$ 0.077 χ^2 /NDF: 2713303.9/22

+ sign 526.259 $\pm$ 0.072 χ^2 /NDF: 19842922.1/53

All: 529.235 $\pm$ 0.052 χ^2 /NDF: 41929391.2/11

- sign 532.358 $\pm$ 0.074 χ^2 /NDF: 22082975.5/56

asym_sam_26_avg_mean vs Slug



Right In: 1285.573 $\pm$ 349.231 χ^2 /NDF: 27.8/28

Left Out: 295.006 $\pm$ 106.810 χ^2 /NDF:50.5/24

Right Out: 848.068 $\pm$ 367.293 χ^2 /NDF: 27.1/33

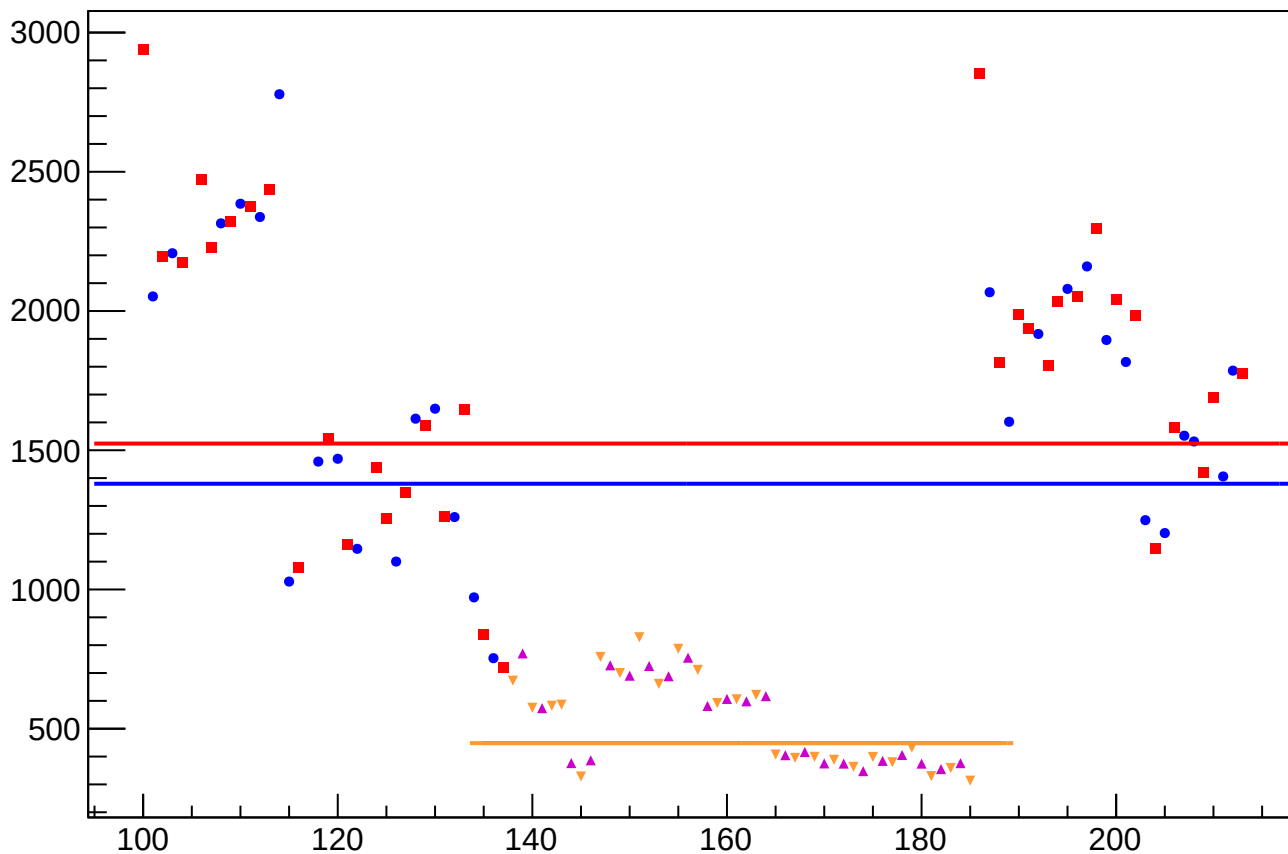
Left In: -38.107 $\pm$ 109.315 χ^2 /NDF:32.9/22

+ sign 379.738 $\pm$ 102.139 χ^2 /NDF: 85.7/53

All: 211.271 $\pm$ 73.137 χ^2 /NDF: 156.6/110

- sign 34.004 $\pm$ 104.773 χ^2 /NDF: 65.4/56

asym_sam_26_avg_rms vs Slug



Right In: 1379.697 $\pm$ 0.247 χ^2 /NDF: 3354280.1/28

Left Out: 448.278 $\pm$ 0.076 χ^2 /NDF:3156909.8/24

Right Out: 1524.045 $\pm$ 0.260 χ^2 /NDF: 3403348.8/33

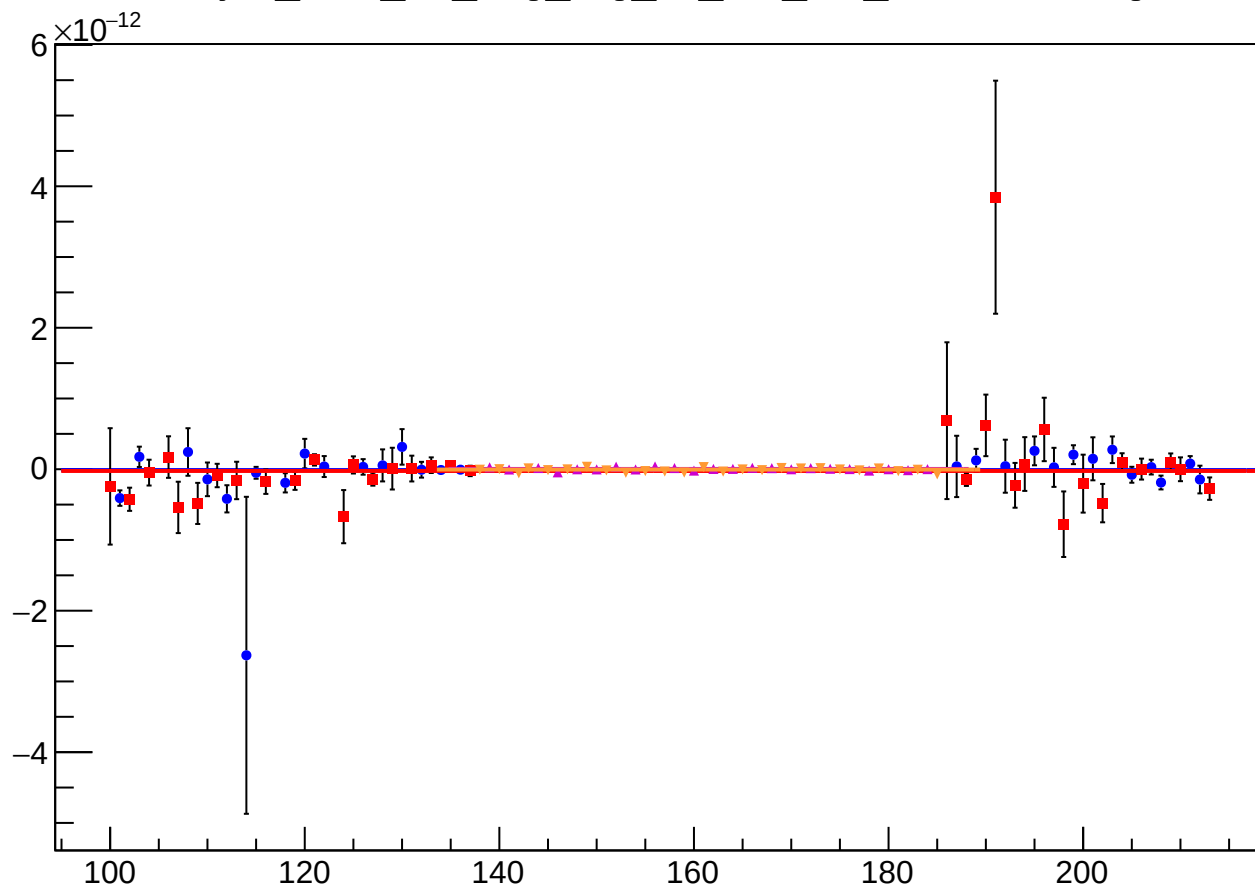
Left In: 448.397 $\pm$ 0.077 χ^2 /NDF:2620759.6/22

+ sign 527.951 $\pm$ 0.072 χ^2 /NDF: 19520669.0/53

All: 531.836 $\pm$ 0.052 χ^2 /NDF: 41308125.6/11

- sign 535.925 $\pm$ 0.074 χ^2 /NDF: 21781515.9/56

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 39.6/28

Left Out: -0.000+/-0.000 χ^2 /NDF: 23.2/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 47.9/33

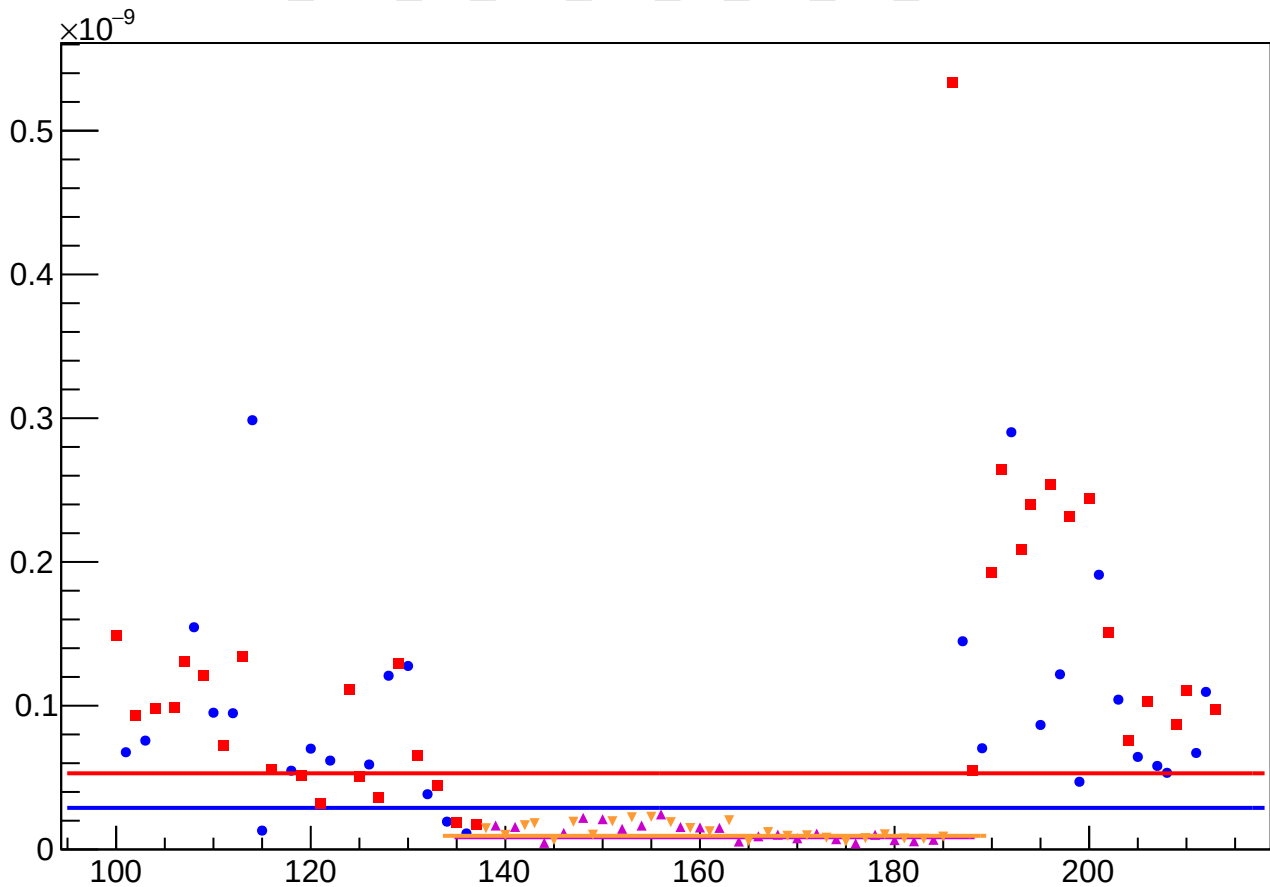
Left In: 0.000+/-0.000 χ^2 /NDF: 16.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 63.0/53

All: -0.000+/-0.000 χ^2 /NDF: 131.3/110

- sign 0.000+/-0.000 χ^2 /NDF: 66.0/56

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7410523.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6395403.4/33

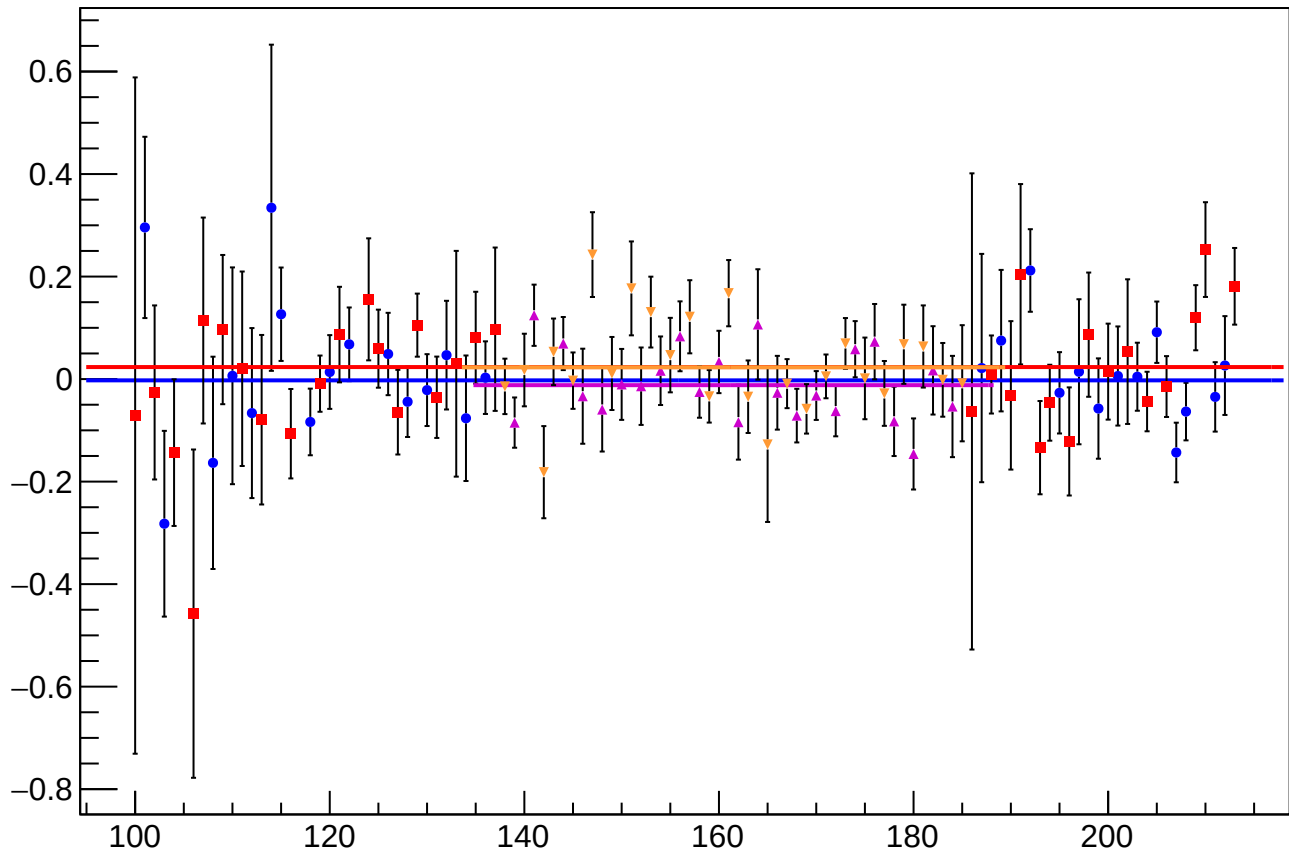
Left In: 0.000+/-0.000 χ^2/NDF : 2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 12493394.3/53

All: 0.000+/-0.000 χ^2/NDF : 28401854.3/110

- sign 0.000+/-0.000 χ^2/NDF : 15840297.1/56

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.016 χ^2/NDF : 30.8/28

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.023 ± 0.016 χ^2/NDF : 35.1/33

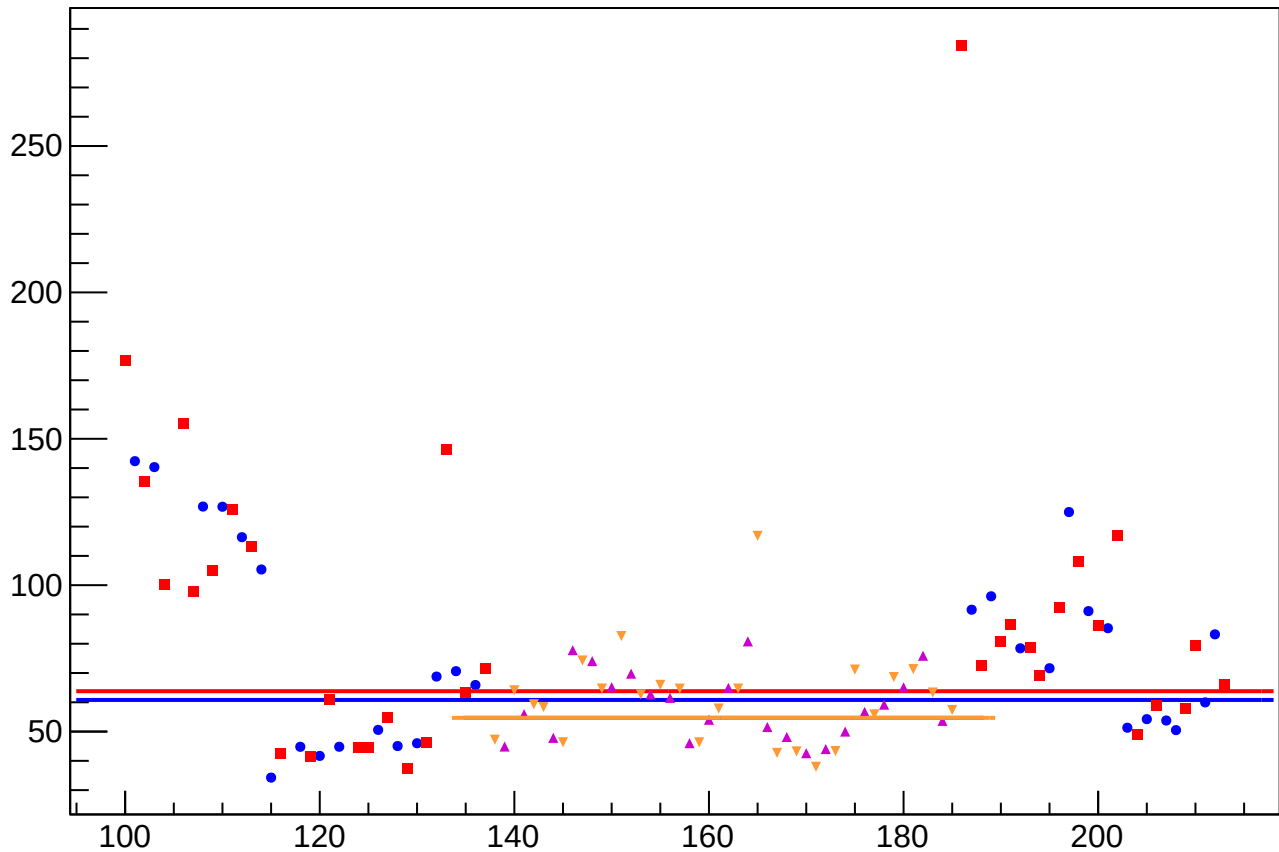
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.013 ± 0.010 χ^2/NDF : 66.5/53

All: 0.008 ± 0.007 χ^2/NDF : 130.9/110

- sign 0.002 ± 0.010 χ^2/NDF : 63.9/56

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.799 $\pm$ 0.011 χ^2 /NDF: 3570294.9/28

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF: 1936559.5/24

Right Out: 63.789 $\pm$ 0.011 χ^2 /NDF: 4368401.8/33

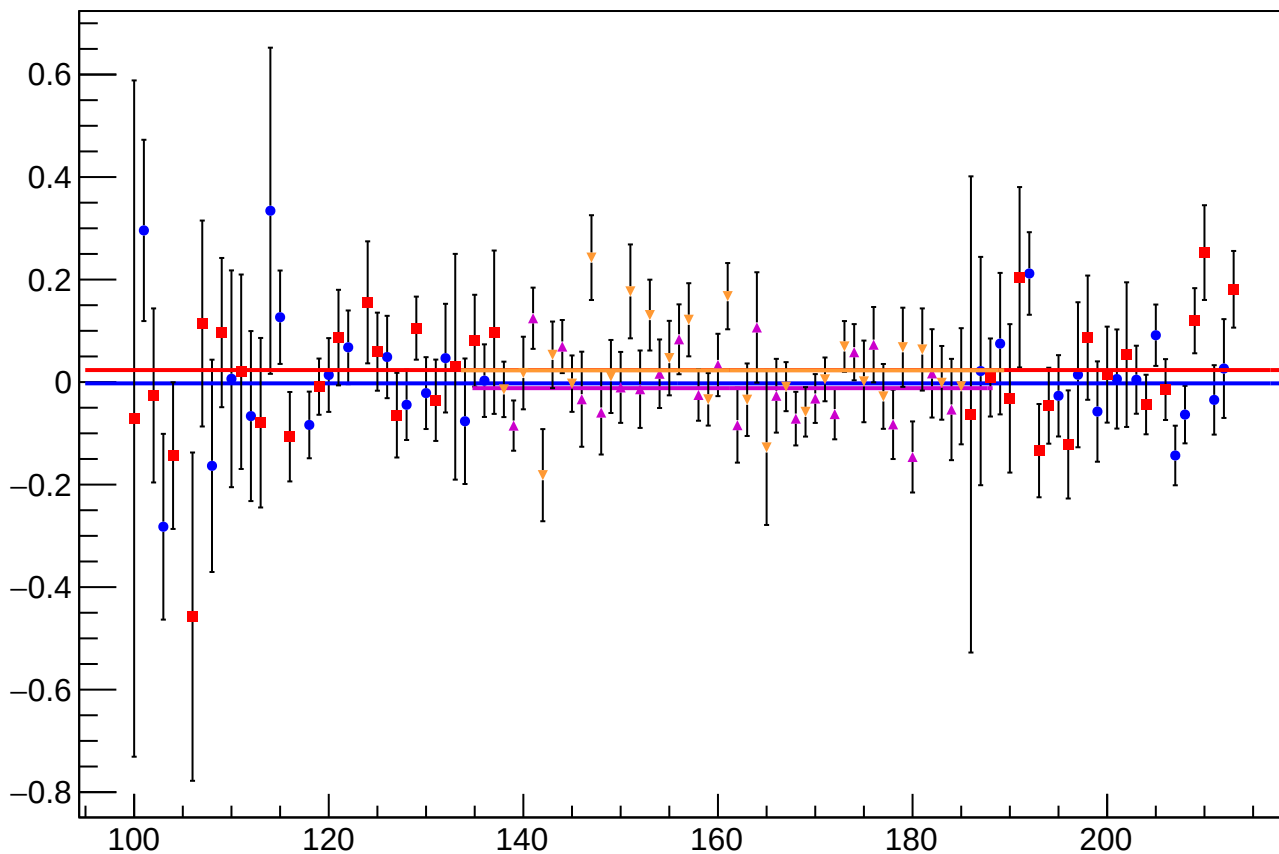
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF: 1190787.0/22

+ sign 57.105 $\pm$ 0.007 χ^2 /NDF: 5683723.7/53

All: 57.710 $\pm$ 0.005 χ^2 /NDF: 11636003.1/110

- sign 58.341 $\pm$ 0.007 χ^2 /NDF: 5937449.6/56

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.016 χ^2/NDF : 30.8/28

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.023 ± 0.016 χ^2/NDF : 35.1/33

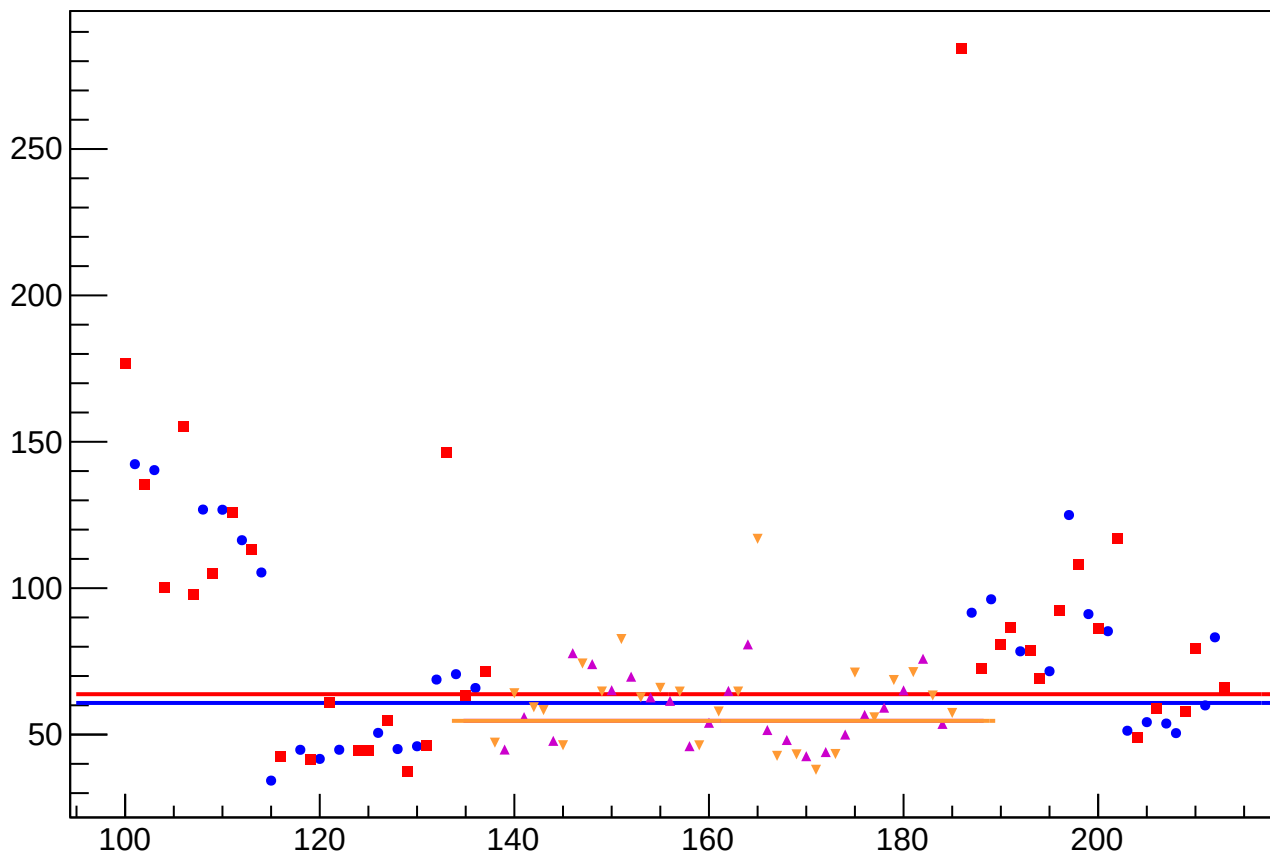
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.013 ± 0.010 χ^2/NDF : 66.5/53

All: 0.008 ± 0.007 χ^2/NDF : 130.9/110

- sign 0.002 ± 0.010 χ^2/NDF : 63.9/56

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.799 $\pm$ 0.011 χ^2 /NDF: 3570294.9/28

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF: 1936559.5/24

Right Out: 63.789 $\pm$ 0.011 χ^2 /NDF: 4368401.8/33

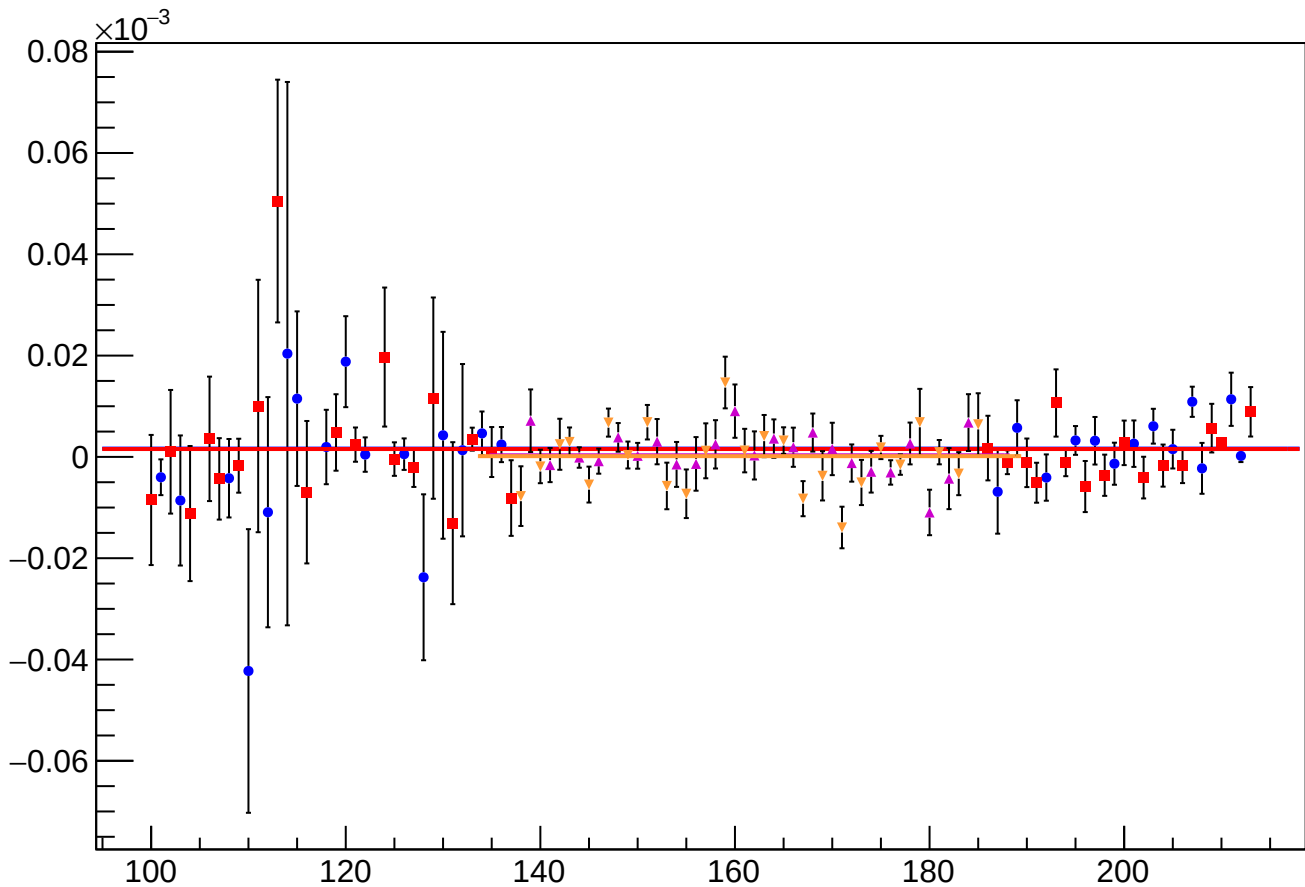
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF: 1190787.0/22

+ sign 57.105 $\pm$ 0.007 χ^2 /NDF: 5683723.7/53

All: 57.710 $\pm$ 0.005 χ^2 /NDF: 11636003.1/110

- sign 58.341 $\pm$ 0.007 χ^2 /NDF: 5937449.6/56

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:53.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/33

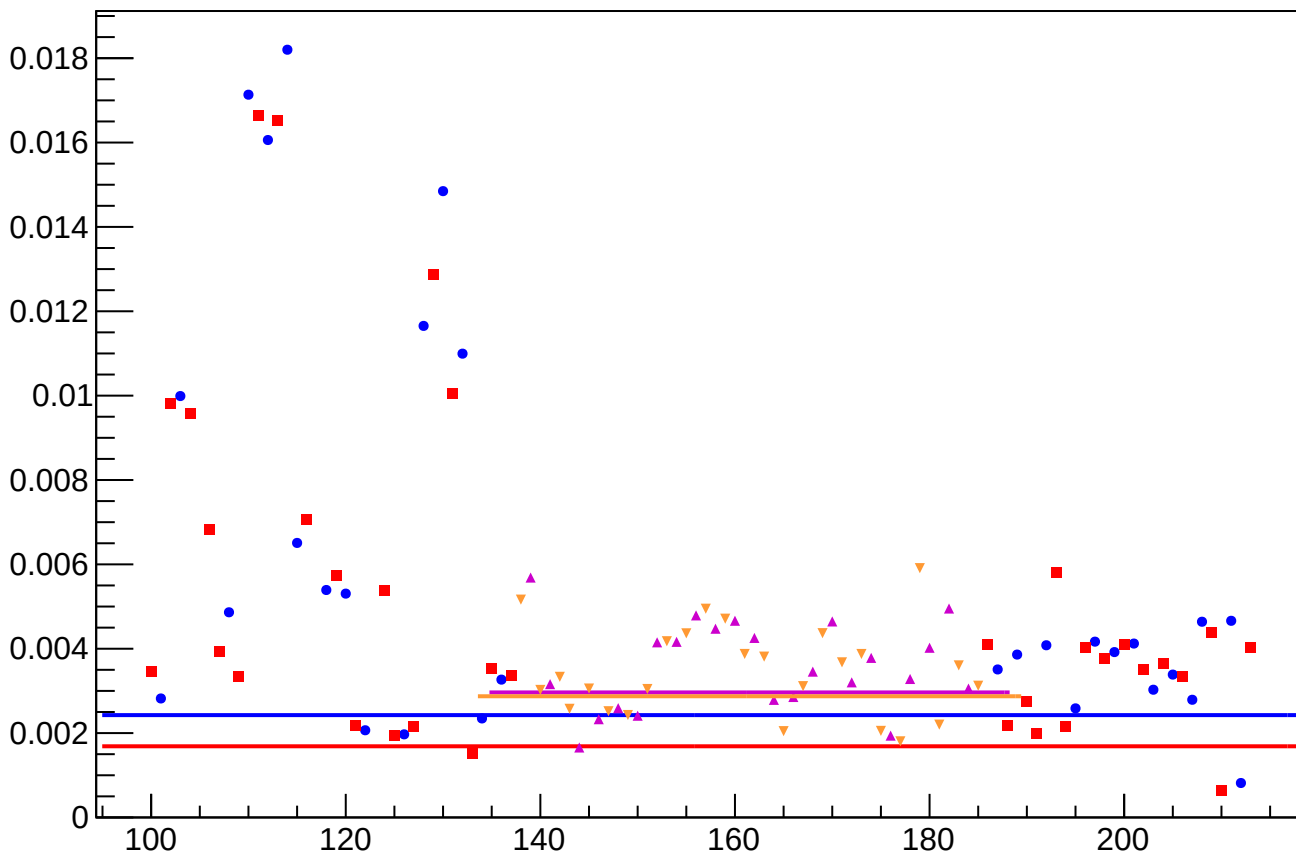
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 147.7/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.9/56

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 10800510.3/28

Left Out: 0.003+/-0.000 χ^2/NDF : 3602368.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15759497.5/33

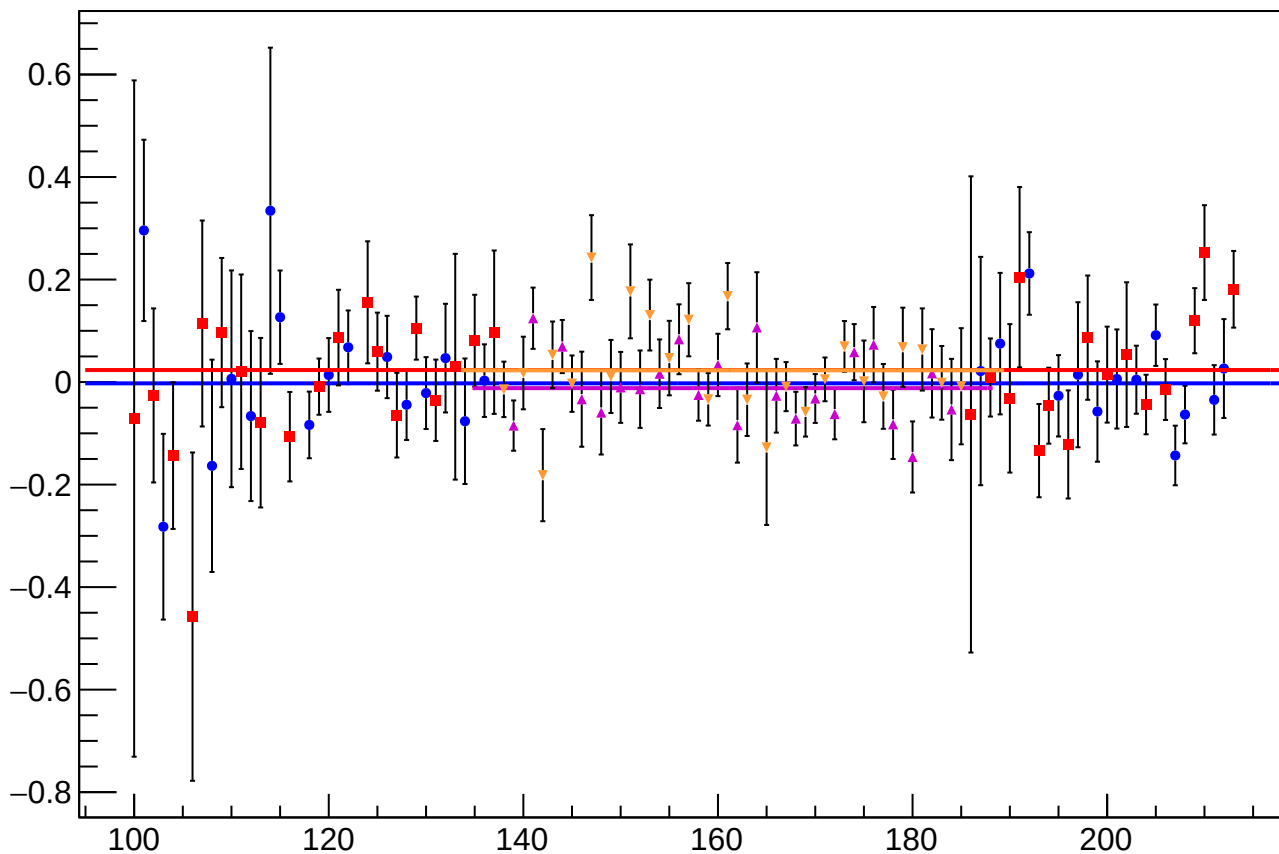
Left In: 0.003+/-0.000 χ^2/NDF : 3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF : 14796684.5/53

All: 0.002+/-0.000 χ^2/NDF : 39249005.8/110

- sign 0.002+/-0.000 χ^2/NDF : 23178072.4/56

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.016 χ^2/NDF : 30.8/28

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.023 ± 0.016 χ^2/NDF : 35.1/33

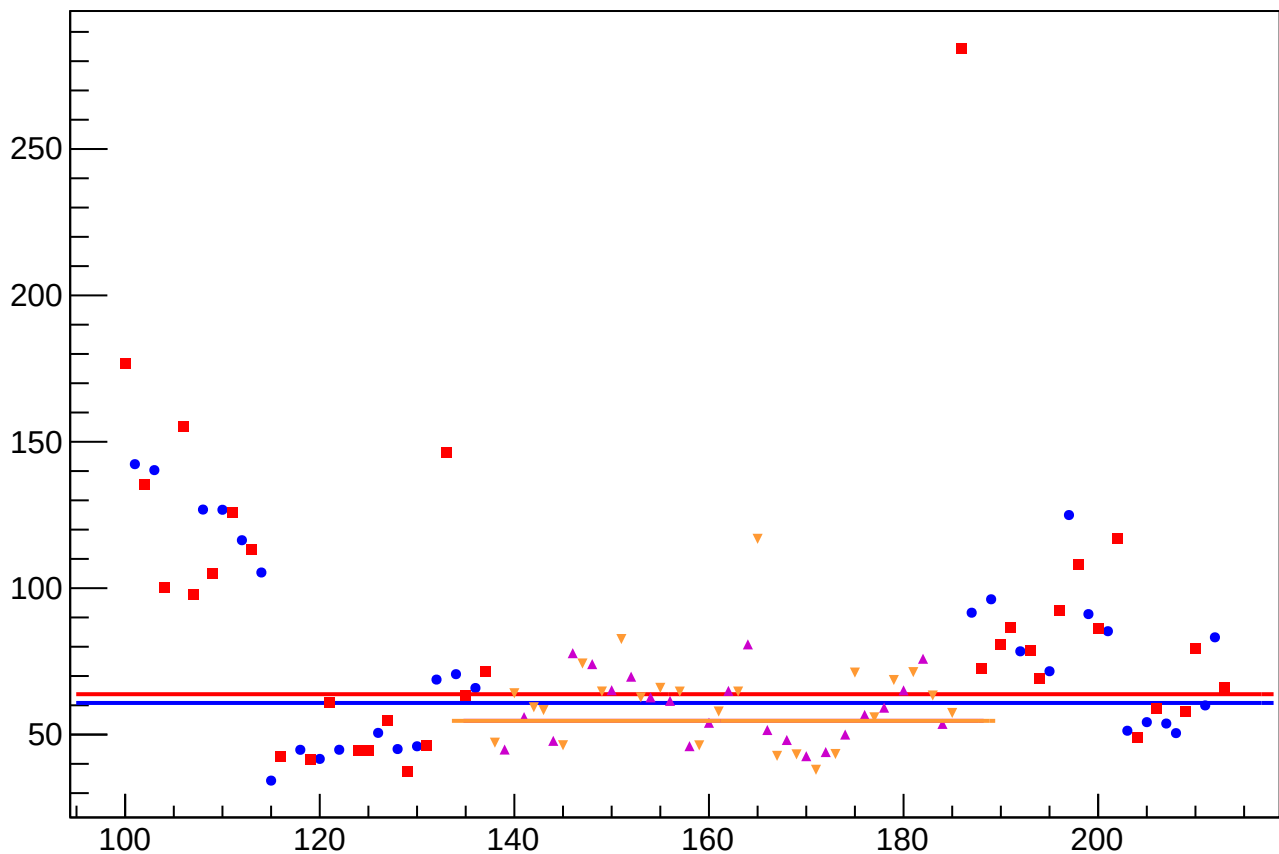
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.013 ± 0.010 χ^2/NDF : 66.5/53

All: 0.008 ± 0.007 χ^2/NDF : 130.9/110

- sign 0.002 ± 0.010 χ^2/NDF : 63.9/56

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.799 ± 0.011 $\chi^2/\text{NDF}: 3570287.1/28$

Left Out: 54.686 ± 0.009 $\chi^2/\text{NDF}: 1936555.1/24$

Right Out: 63.789 ± 0.011 $\chi^2/\text{NDF}: 4368398.4/33$

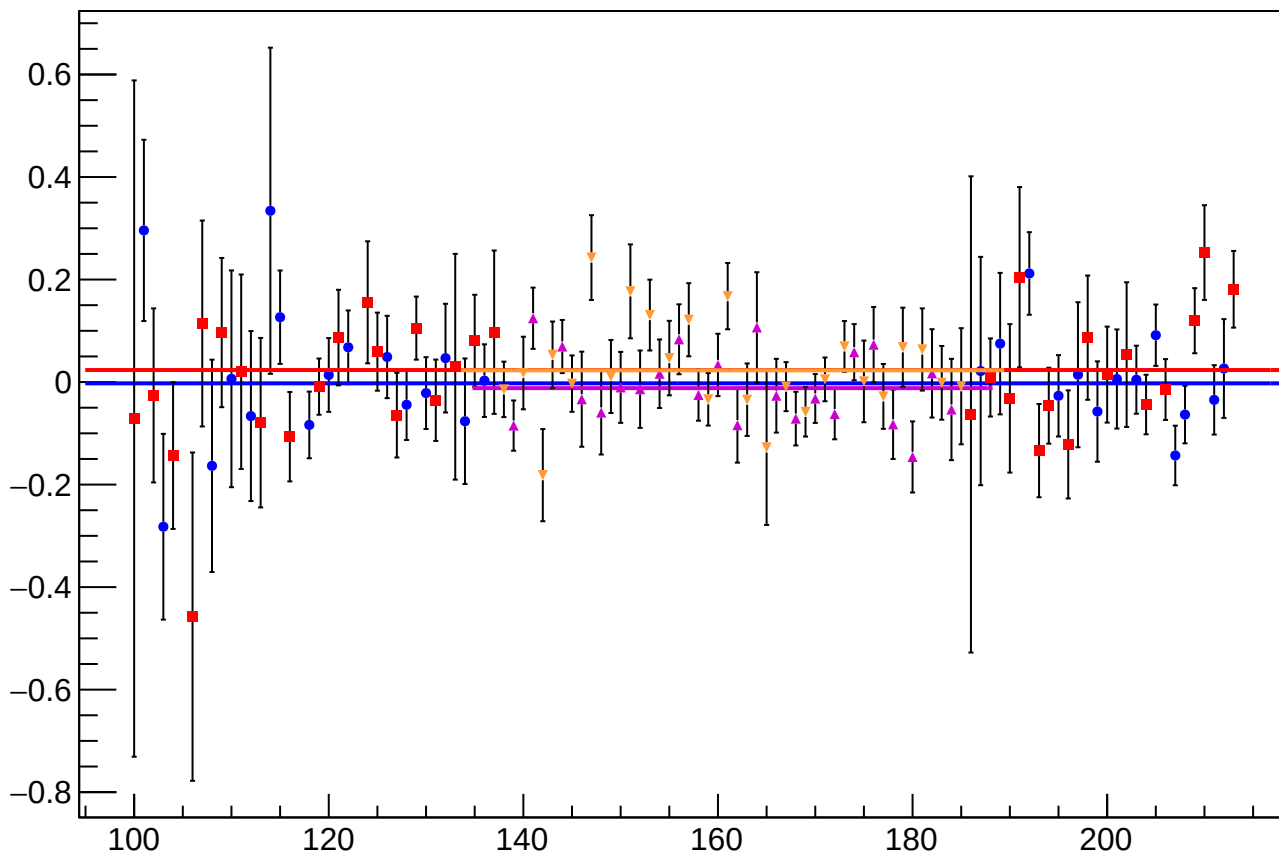
Left In: 54.689 ± 0.009 $\chi^2/\text{NDF}: 1190755.4/22$

+ sign 57.105 ± 0.007 $\chi^2/\text{NDF}: 5683674.5/53$

All: 57.711 ± 0.005 $\chi^2/\text{NDF}: 11635851.8/110$

- sign 58.342 ± 0.007 $\chi^2/\text{NDF}: 5937345.8/56$

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.016 χ^2/NDF : 30.8/28

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.023 ± 0.016 χ^2/NDF : 35.1/33

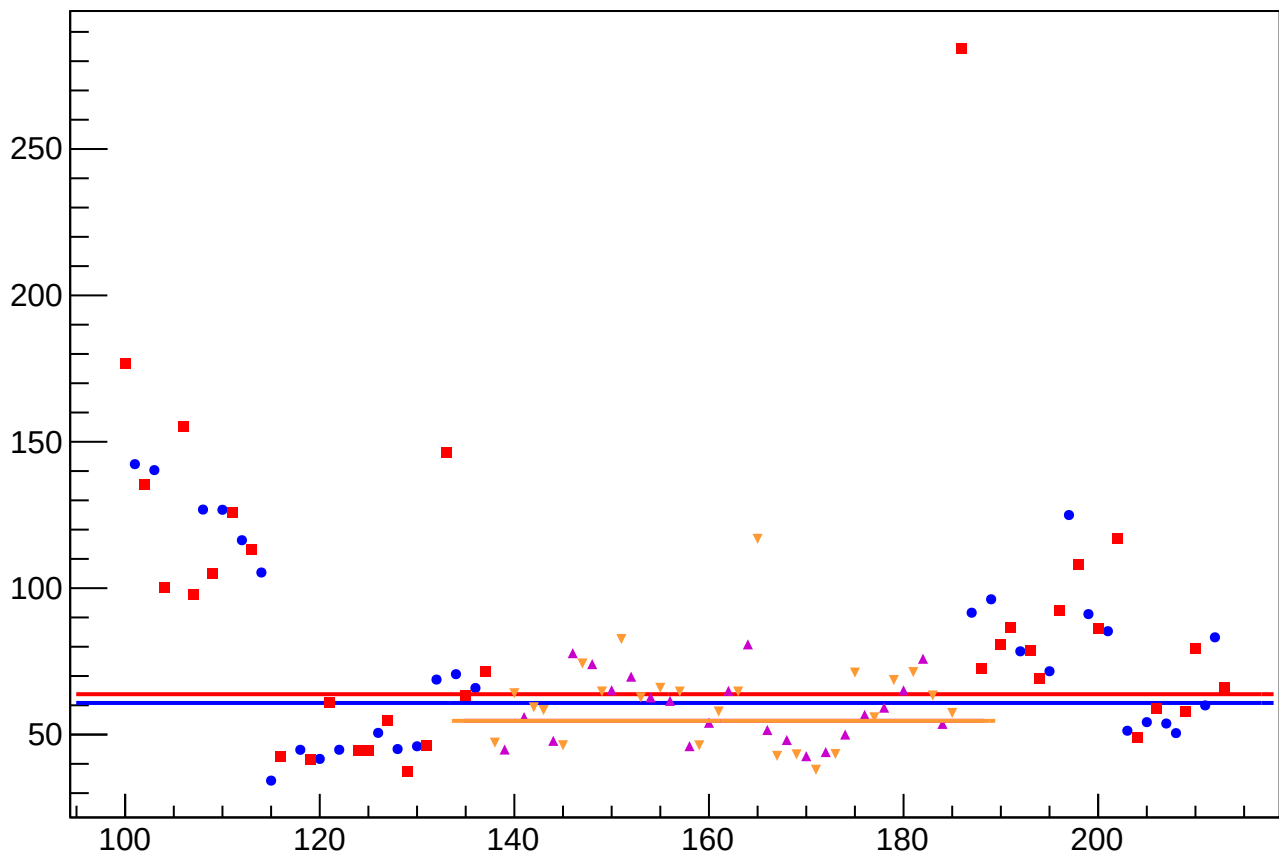
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.013 ± 0.010 χ^2/NDF : 66.5/53

All: 0.008 ± 0.007 χ^2/NDF : 130.9/110

- sign 0.002 ± 0.010 χ^2/NDF : 63.9/56

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.799 $\pm$ 0.011 χ^2/NDF : 3570287.1/28

Left Out: 54.686 $\pm$ 0.009 χ^2/NDF : 1936555.1/24

Right Out: 63.789 $\pm$ 0.011 χ^2/NDF : 4368398.4/33

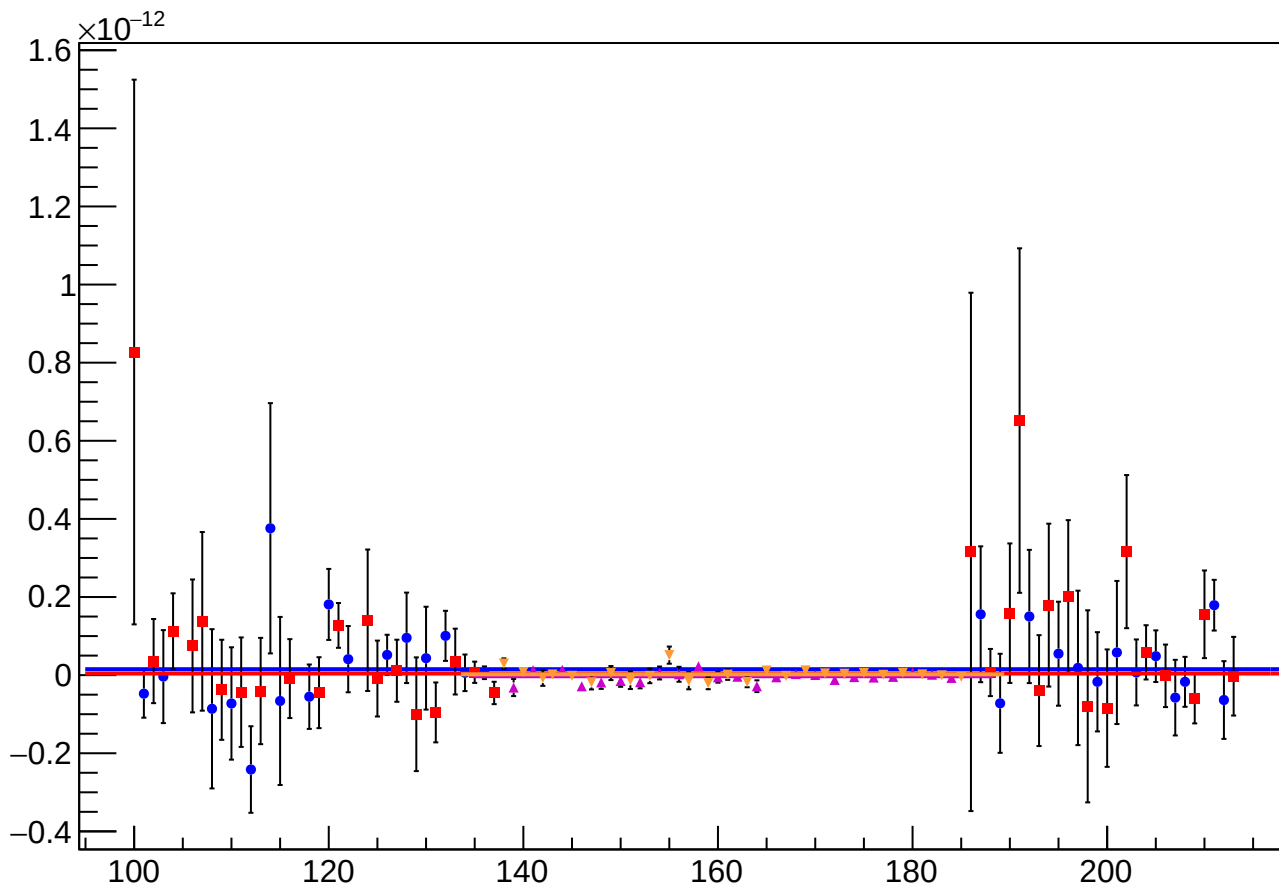
Left In: 54.689 $\pm$ 0.009 χ^2/NDF : 1190755.4/22

+ sign 57.105 $\pm$ 0.007 χ^2/NDF : 5683674.5/53

All: 57.711 $\pm$ 0.005 χ^2/NDF : 11635851.8/110

- sign 58.342 $\pm$ 0.007 χ^2/NDF : 5937345.8/56

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 20.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.8/33

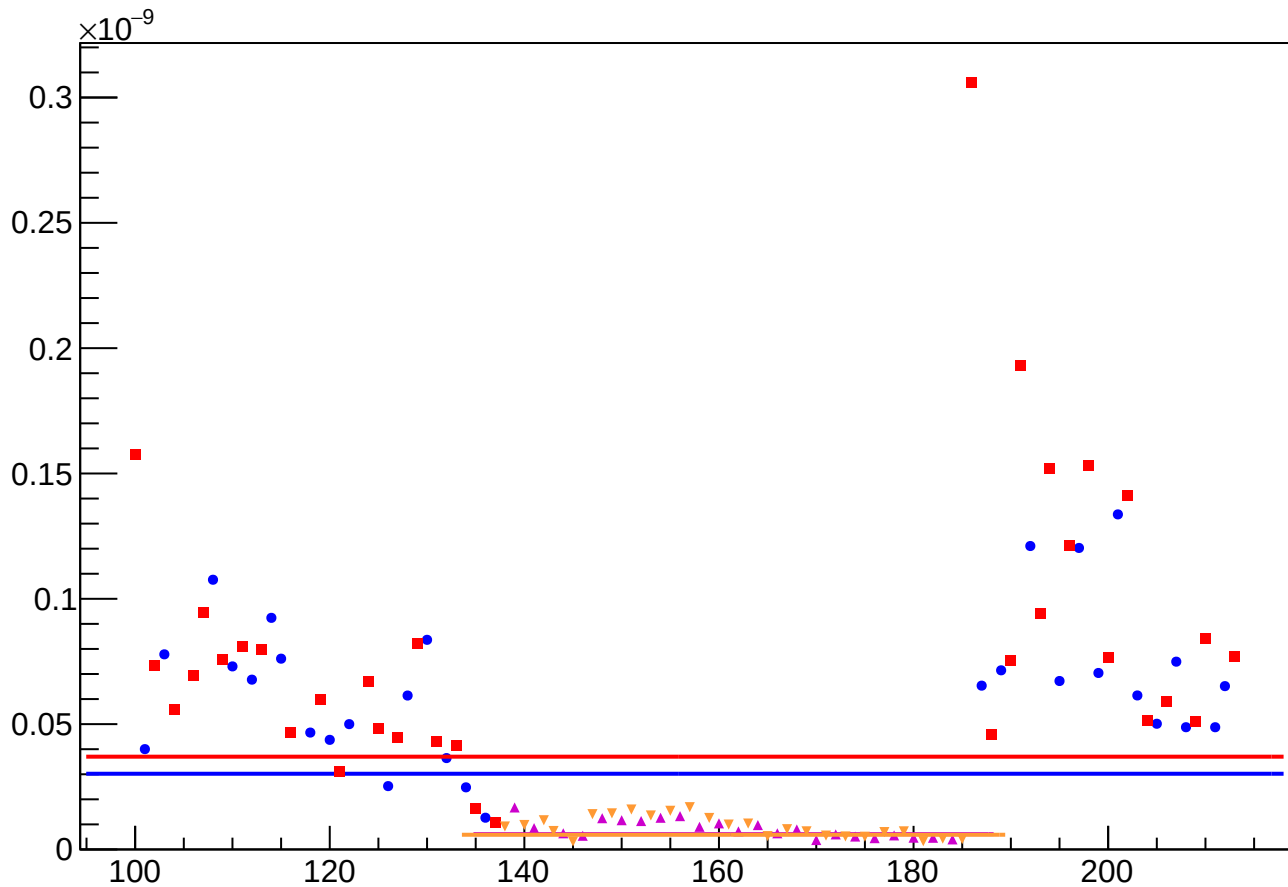
Left In: -0.000 ± 0.000 χ^2/NDF : 33.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 47.7/53

All: -0.000 ± 0.000 χ^2/NDF : 110.7/110

- sign -0.000 ± 0.000 χ^2/NDF : 59.1/56

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8083472.9/28

Left Out: 0.000+/-0.000 χ^2/NDF :5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8630550.0/33

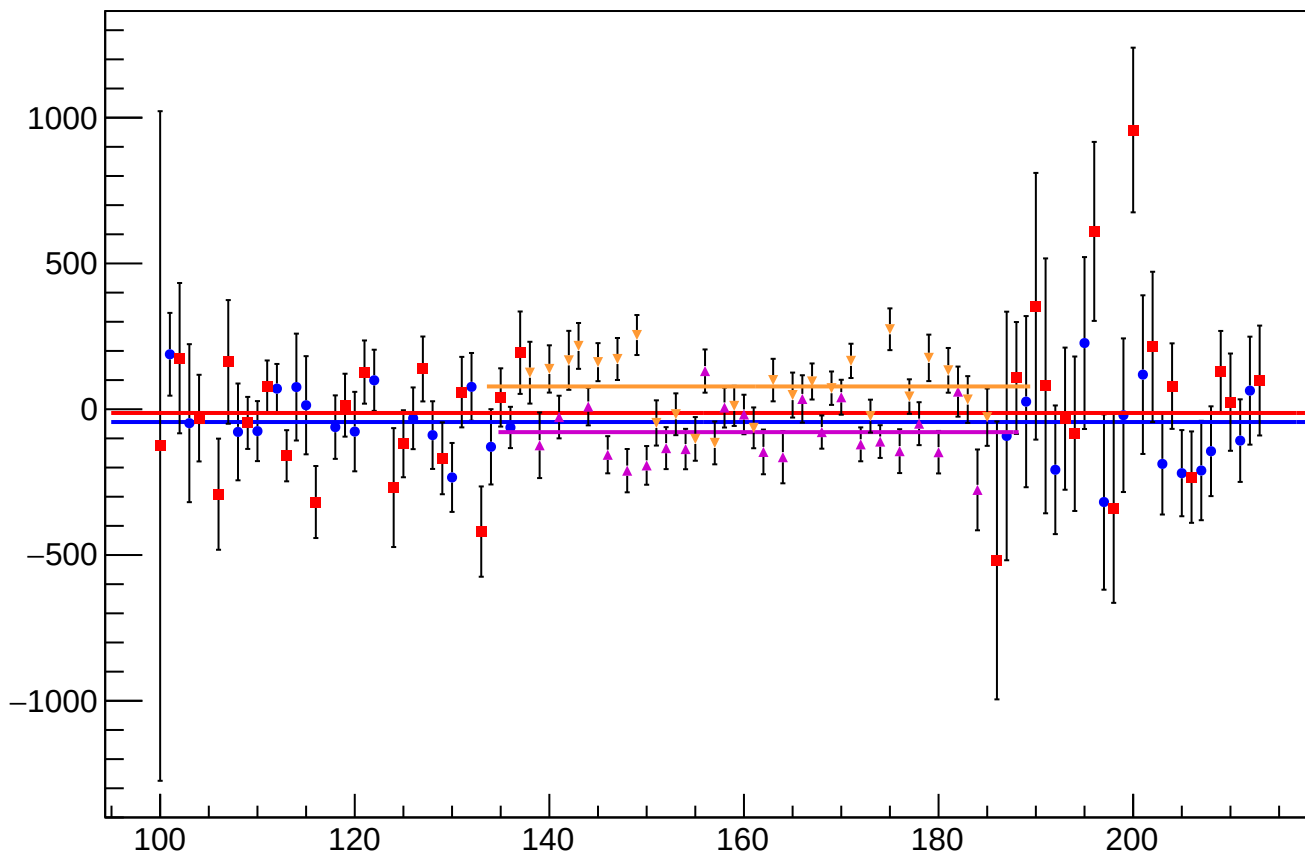
Left In: 0.000+/-0.000 χ^2/NDF :3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 22082457.7/53

All: 0.000+/-0.000 χ^2/NDF : 44226669.8/110

- sign 0.000+/-0.000 χ^2/NDF : 22122194.2/56

reg_asym_sam_37_avg_mean vs Slug



Right In: -43.850 ± 25.658 χ^2/NDF : 18.1/28

Left Out: 78.159 ± 14.326 χ^2/NDF : 53.9/24

Right Out: -12.805 ± 25.332 χ^2/NDF : 54.5/33

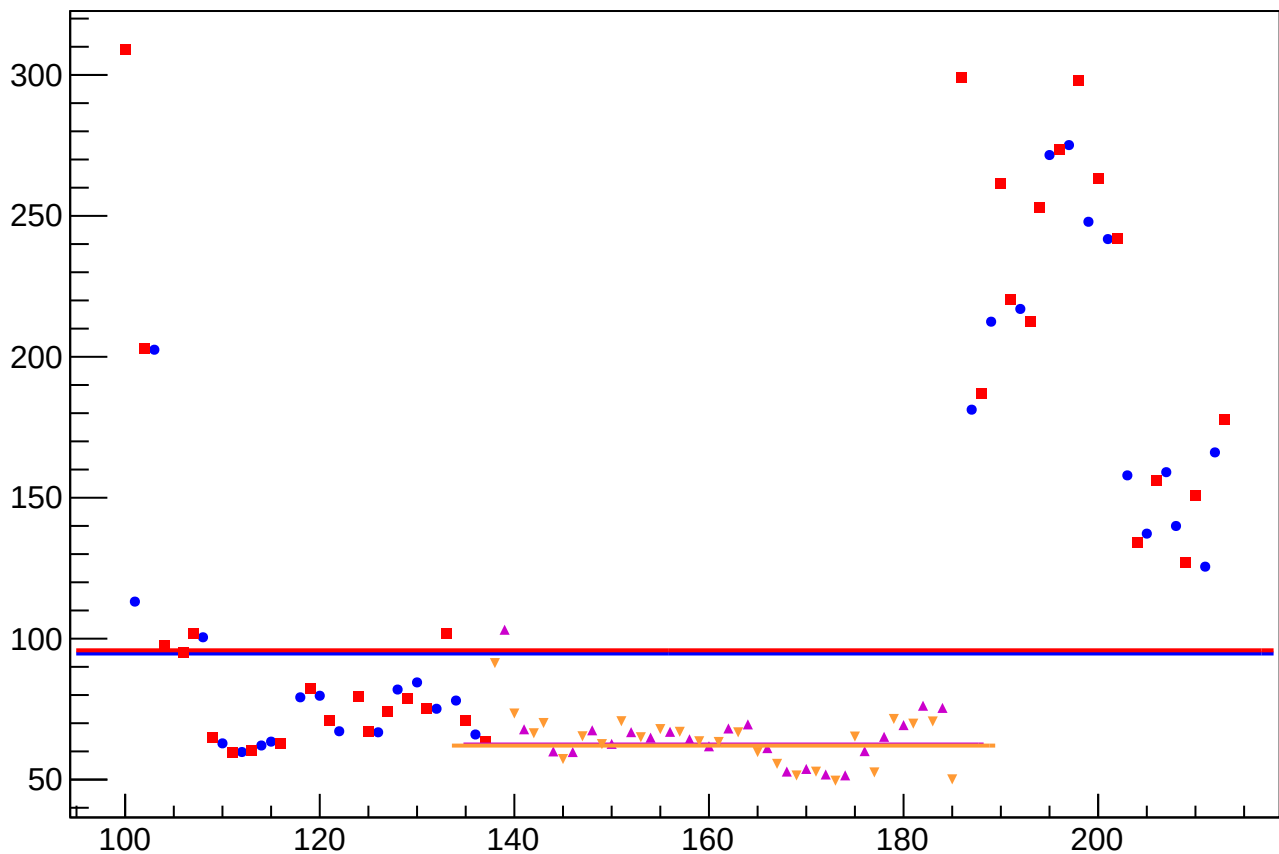
Left In: -78.506 ± 14.811 χ^2/NDF : 36.7/22

+ sign 49.163 ± 12.508 χ^2/NDF : 89.3/53

All: -5.083 ± 8.941 χ^2/NDF : 223.9/110

- sign -61.767 ± 12.786 χ^2/NDF : 96.2/56

reg_asym_sam_37_avg_rms vs Slug



Right In: 94.734 $\pm$ 0.018 χ^2 /NDF: 6817528.8/28

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF:686530.2/24

Right Out: 95.868 $\pm$ 0.018 χ^2 /NDF: 8453305.7/33

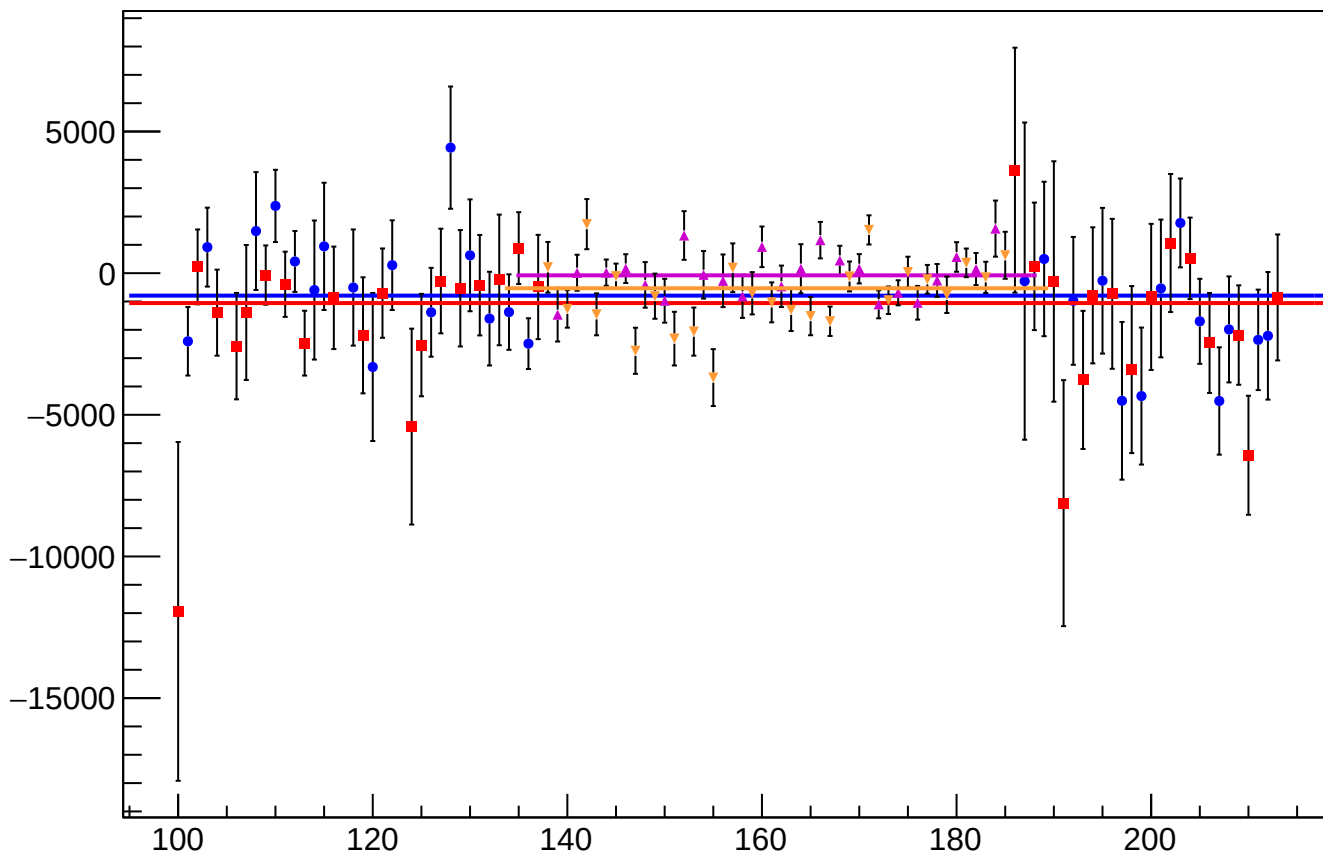
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF:664644.9/22

+ sign 69.827 $\pm$ 0.009 χ^2 /NDF: 9976169.2/53

All: 70.381 $\pm$ 0.006 χ^2 /NDF: 21696757.7/110

- sign 70.960 $\pm$ 0.009 χ^2 /NDF: 11712558.2/56

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -793.158 ± 315.858 χ^2/NDF : 37.1/28

Left Out: -532.779 ± 127.927 χ^2/NDF : 69.1/24

Right Out: -1055.644 ± 315.383 χ^2/NDF : 28.9/33

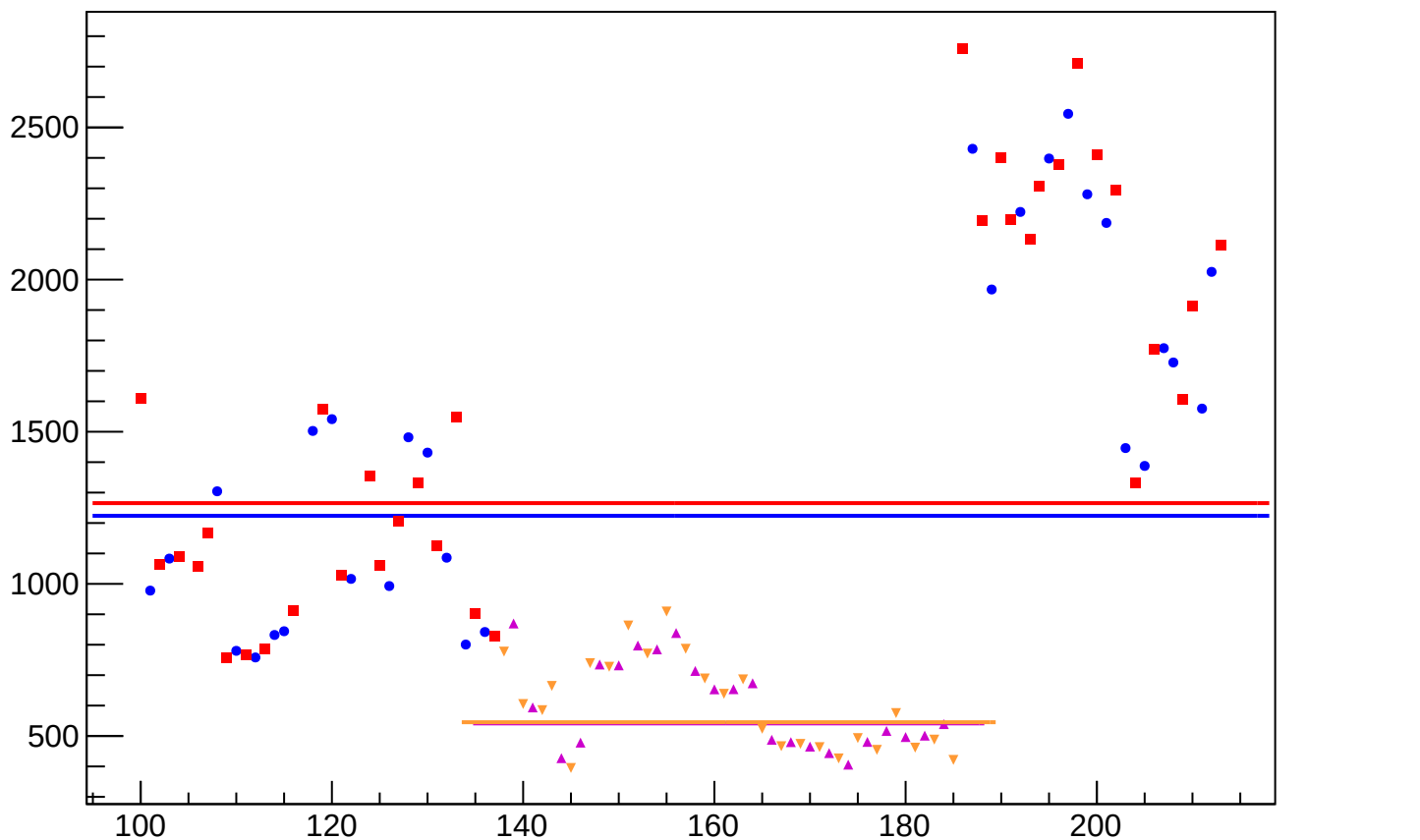
Left In: -77.393 ± 130.317 χ^2/NDF : 28.4/22

+ sign -569.471 ± 118.571 χ^2/NDF : 106.8/53

All: -397.498 ± 84.495 χ^2/NDF : 176.6/110

- sign -220.058 ± 120.440 χ^2/NDF : 65.5/56

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1223.733 $\pm$ 0.223 χ^2 /NDF: 4512433.5/28

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083690.3/24

Right Out: 1265.423 $\pm$ 0.223 χ^2 /NDF: 5573099.6/33

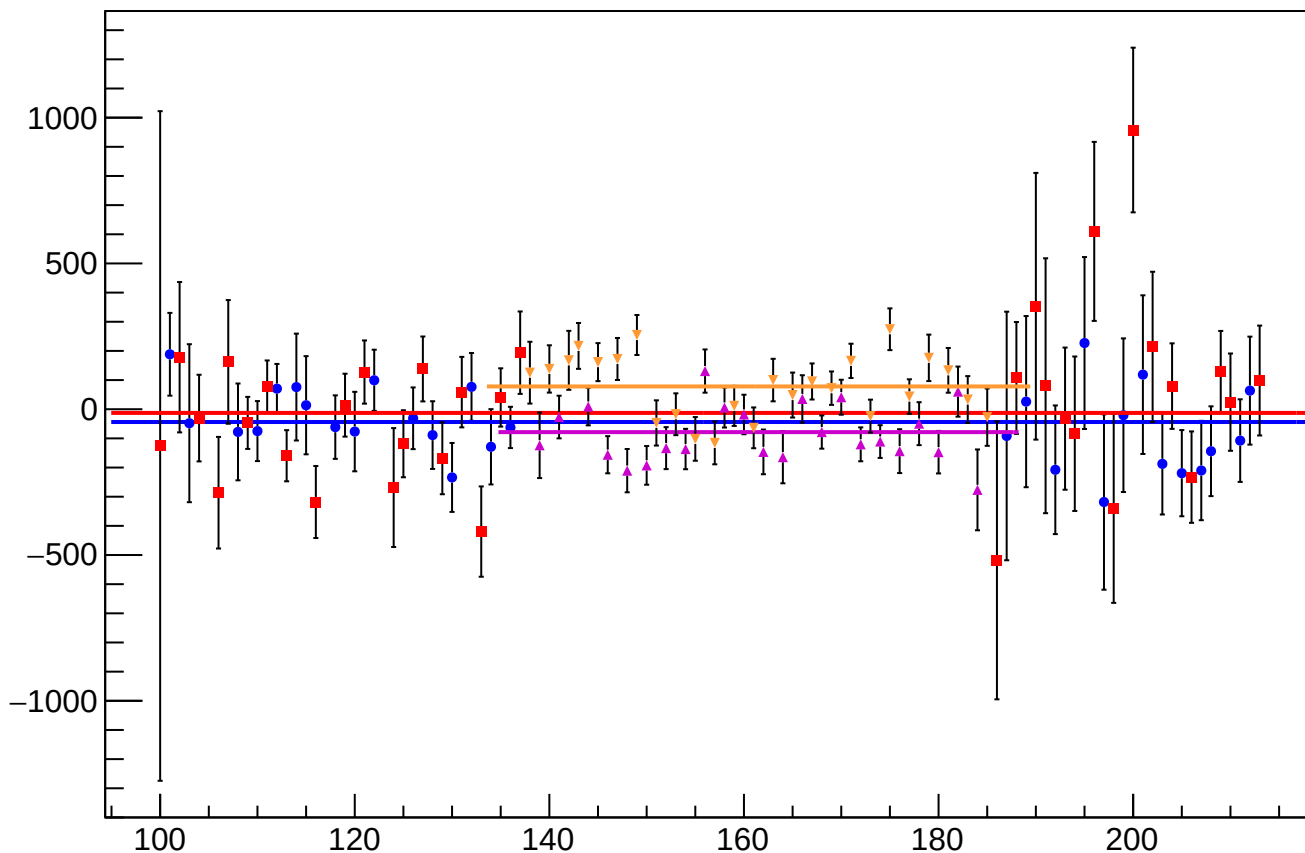
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 640.908 $\pm$ 0.084 χ^2 /NDF: 14522759.3/53

All: 643.925 $\pm$ 0.060 χ^2 /NDF: 30940634.0/11

- sign 647.039 $\pm$ 0.085 χ^2 /NDF: 16415243.3/56

cor_asym_sam_37_avg_mean vs Slug



Right In: -43.858 ± 25.658 χ^2/NDF : 18.1/28

Left Out: 78.162 ± 14.326 χ^2/NDF : 53.9/24

Right Out: -12.644 ± 25.334 χ^2/NDF : 54.5/33

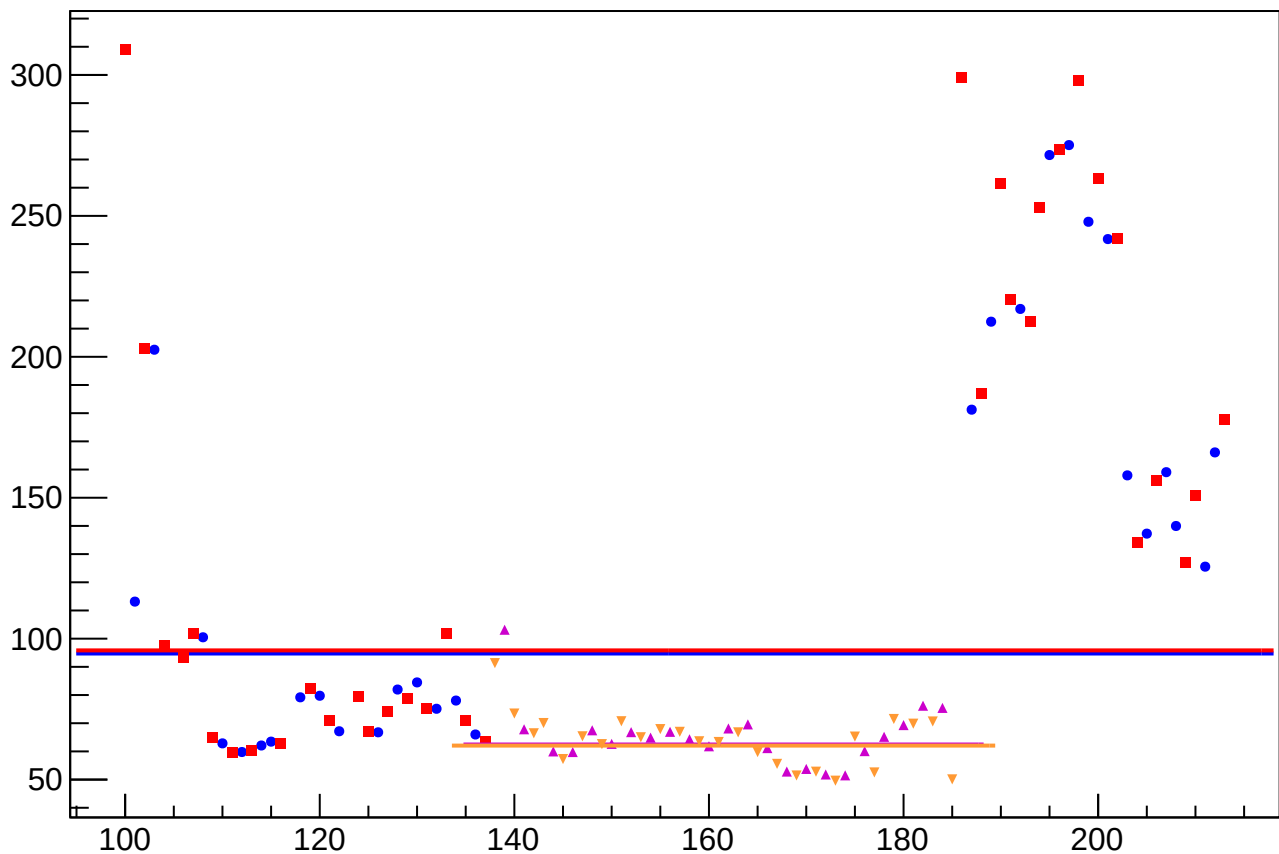
Left In: -78.506 ± 14.811 χ^2/NDF : 36.7/22

+ sign 49.164 ± 12.508 χ^2/NDF : 89.3/53

All: -5.062 ± 8.941 χ^2/NDF : 223.8/110

- sign -61.729 ± 12.786 χ^2/NDF : 96.1/56

cor_asym_sam_37_avg_rms vs Slug



Right In: 94.734 $\pm$ 0.018 χ^2 /NDF: 6817531.2/28

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF:686530.2/24

Right Out: 95.838 $\pm$ 0.018 χ^2 /NDF: 8453839.8/33

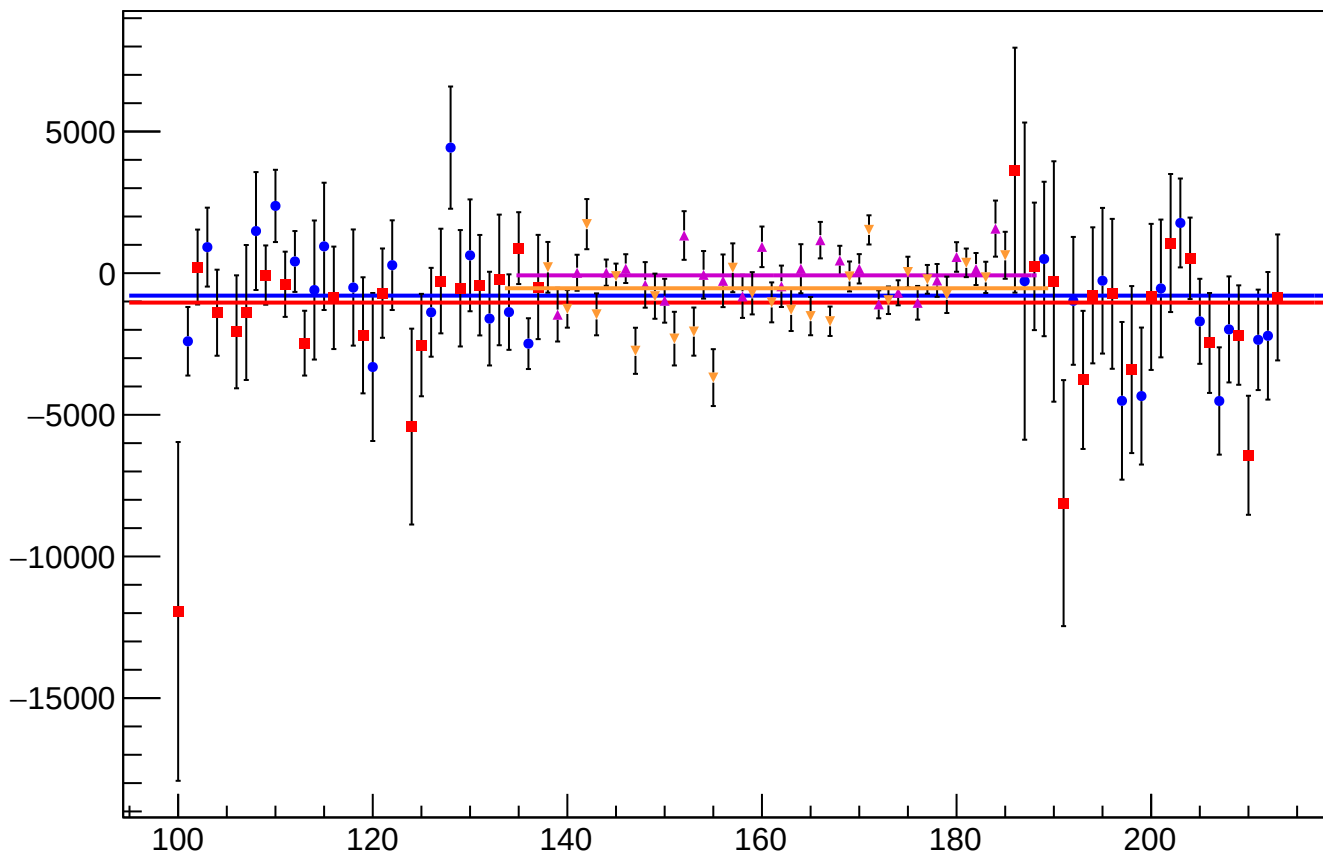
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF:664644.9/22

+ sign 69.827 $\pm$ 0.009 χ^2 /NDF: 9976171.1/53

All: 70.377 $\pm$ 0.006 χ^2 /NDF: 21692262.4/110

- sign 70.952 $\pm$ 0.009 χ^2 /NDF: 11708182.1/56

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -793.152+/-315.859 χ^2/NDF : 37.1/28

Left Out: -532.776+/-127.927 χ^2/NDF : 69.1/24

Right Out: -1038.611+/-315.902 χ^2/NDF : 28.5/33

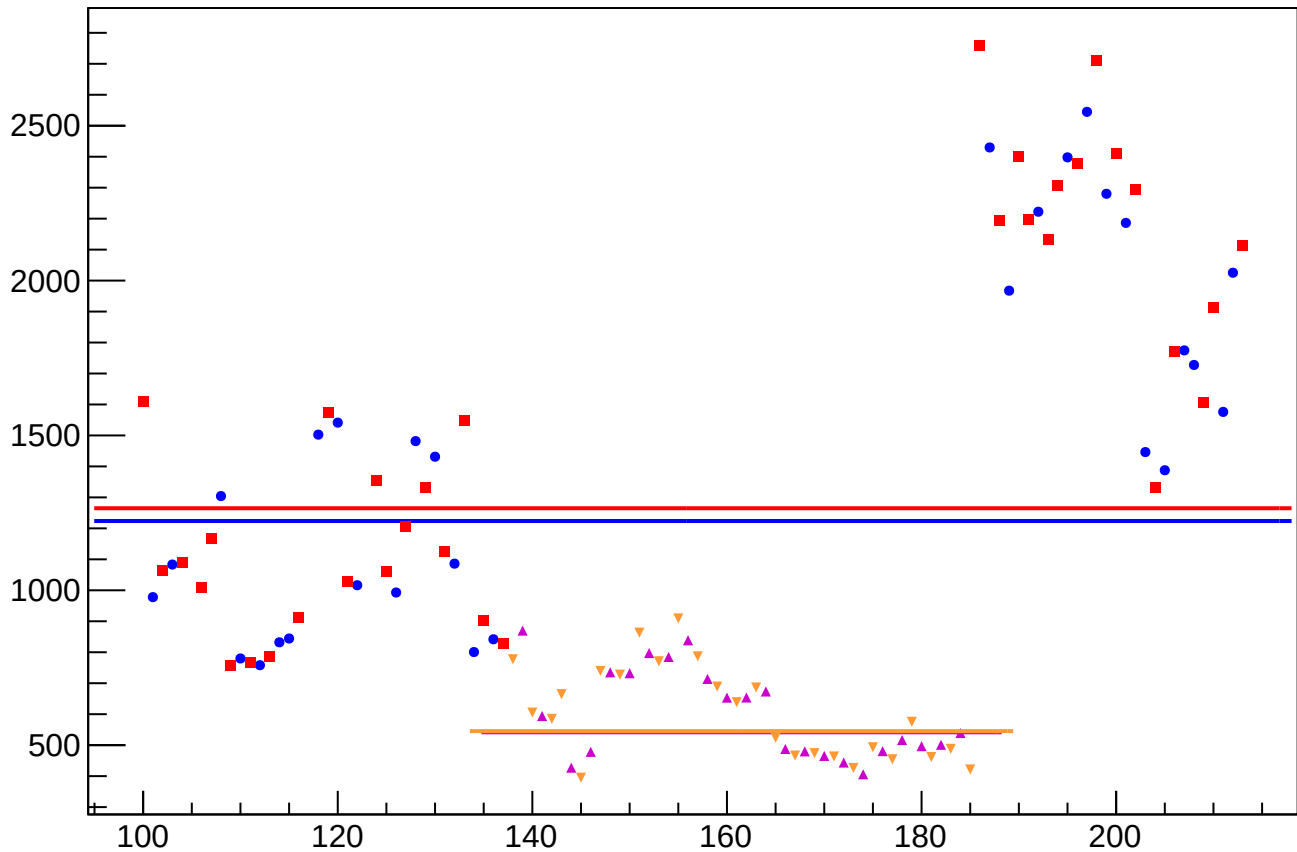
Left In: -77.392+/-130.317 χ^2/NDF : 28.4/22

+ sign -569.468+/-118.571 χ^2/NDF : 106.8/53

All: -396.122+/-84.505 χ^2/NDF : 176.0/110

- sign -217.180+/-120.469 χ^2/NDF : 64.8/56

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1223.740 $\pm$ 0.223 χ^2 /NDF: 4512404.0/28

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083686.2/24

+ sign 640.908 $\pm$ 0.084 χ^2 /NDF: 14522815.7/53

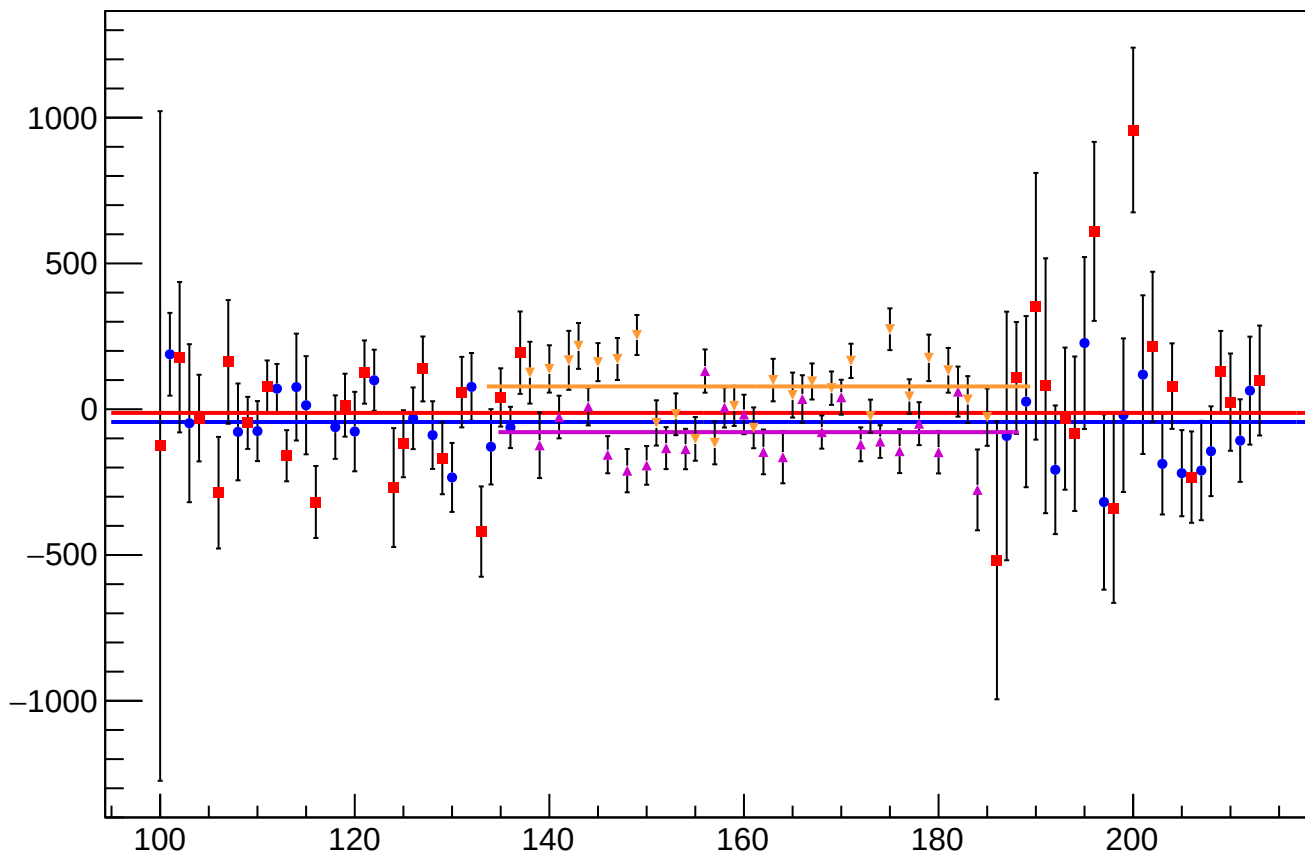
Right Out: 1264.943 $\pm$ 0.223 χ^2 /NDF: 5581132.2/33

All: 643.745 $\pm$ 0.060 χ^2 /NDF: 30911278.8/1

Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

- sign 646.673 $\pm$ 0.085 χ^2 /NDF: 16386136.9/56

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -43.858 ± 25.658 χ^2/NDF : 18.1/28

Left Out: 78.162 ± 14.326 χ^2/NDF : 53.9/24

Right Out: -12.644 ± 25.334 χ^2/NDF : 54.5/33

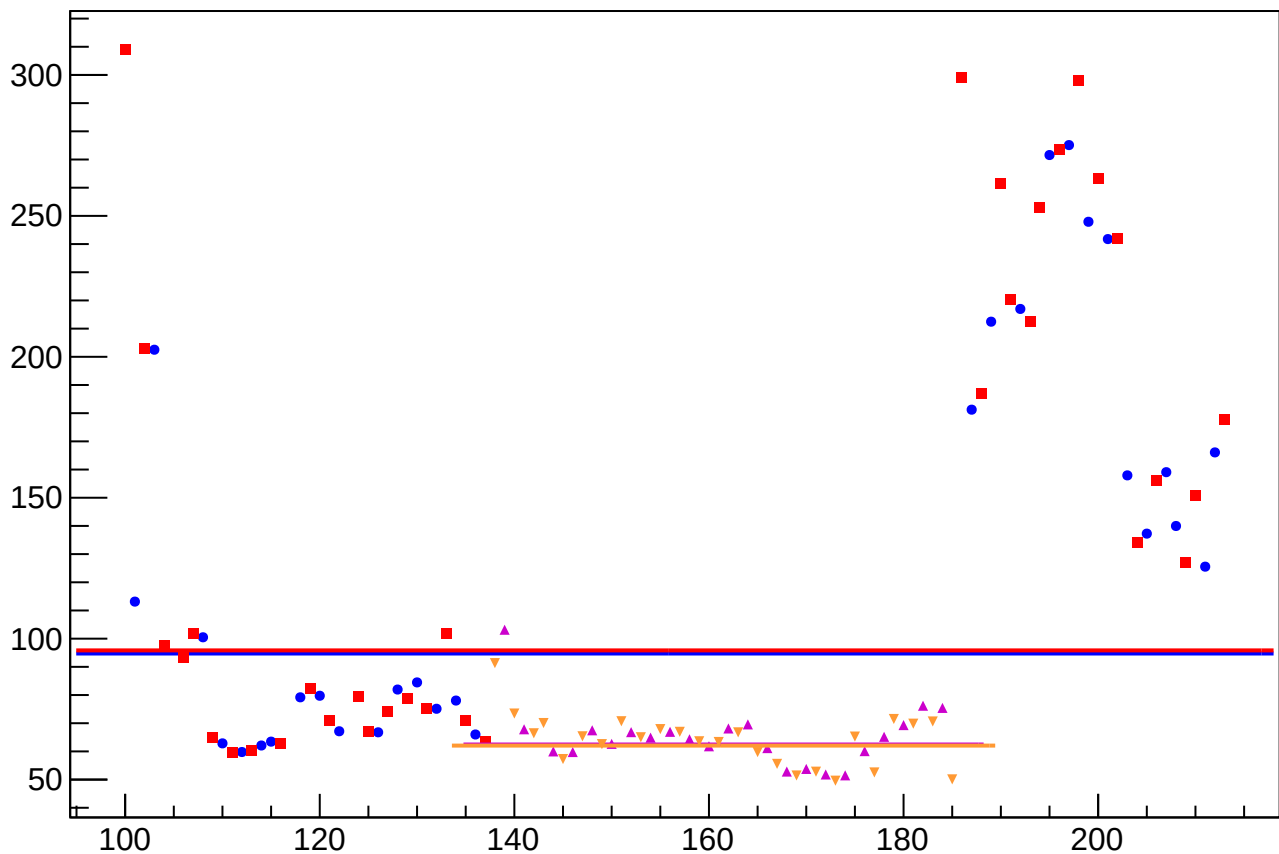
Left In: -78.506 ± 14.811 χ^2/NDF : 36.7/22

+ sign 49.164 ± 12.508 χ^2/NDF : 89.3/53

All: -5.062 ± 8.941 χ^2/NDF : 223.8/110

- sign -61.729 ± 12.786 χ^2/NDF : 96.1/56

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 94.734 $\pm$ 0.018 χ^2 /NDF: 6817531.2/28

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF:686530.2/24

Right Out: 95.838 $\pm$ 0.018 χ^2 /NDF: 8453839.8/33

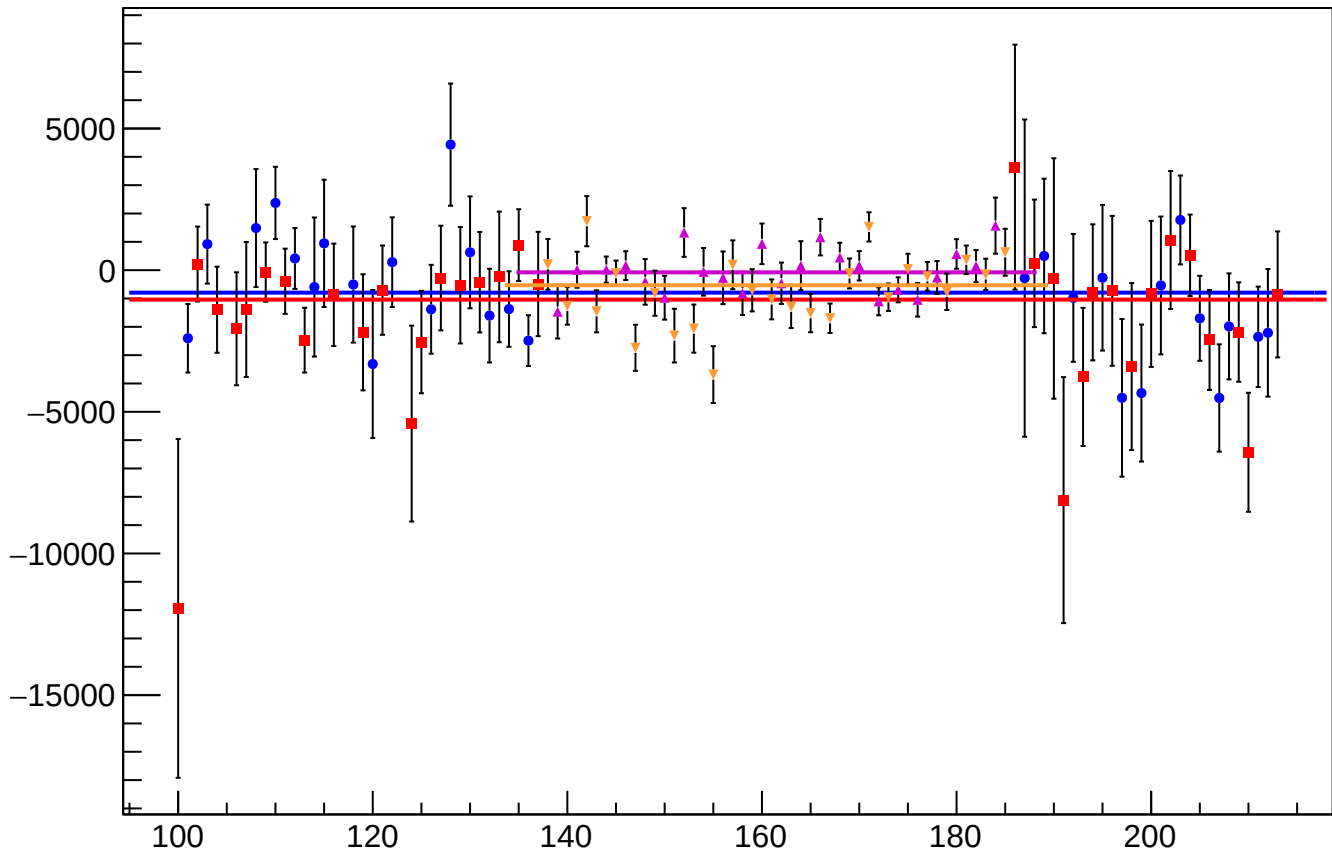
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF:664644.9/22

+ sign 69.827 $\pm$ 0.009 χ^2 /NDF: 9976171.1/53

All: 70.377 $\pm$ 0.006 χ^2 /NDF: 21692262.4/110

- sign 70.952 $\pm$ 0.009 χ^2 /NDF: 11708182.1/56

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -793.152+/-315.859 χ^2/NDF : 37.1/28

Left Out: -532.776+/-127.927 χ^2/NDF : 69.1/24

Right Out: -1038.611+/-315.902 χ^2/NDF : 28.5/33

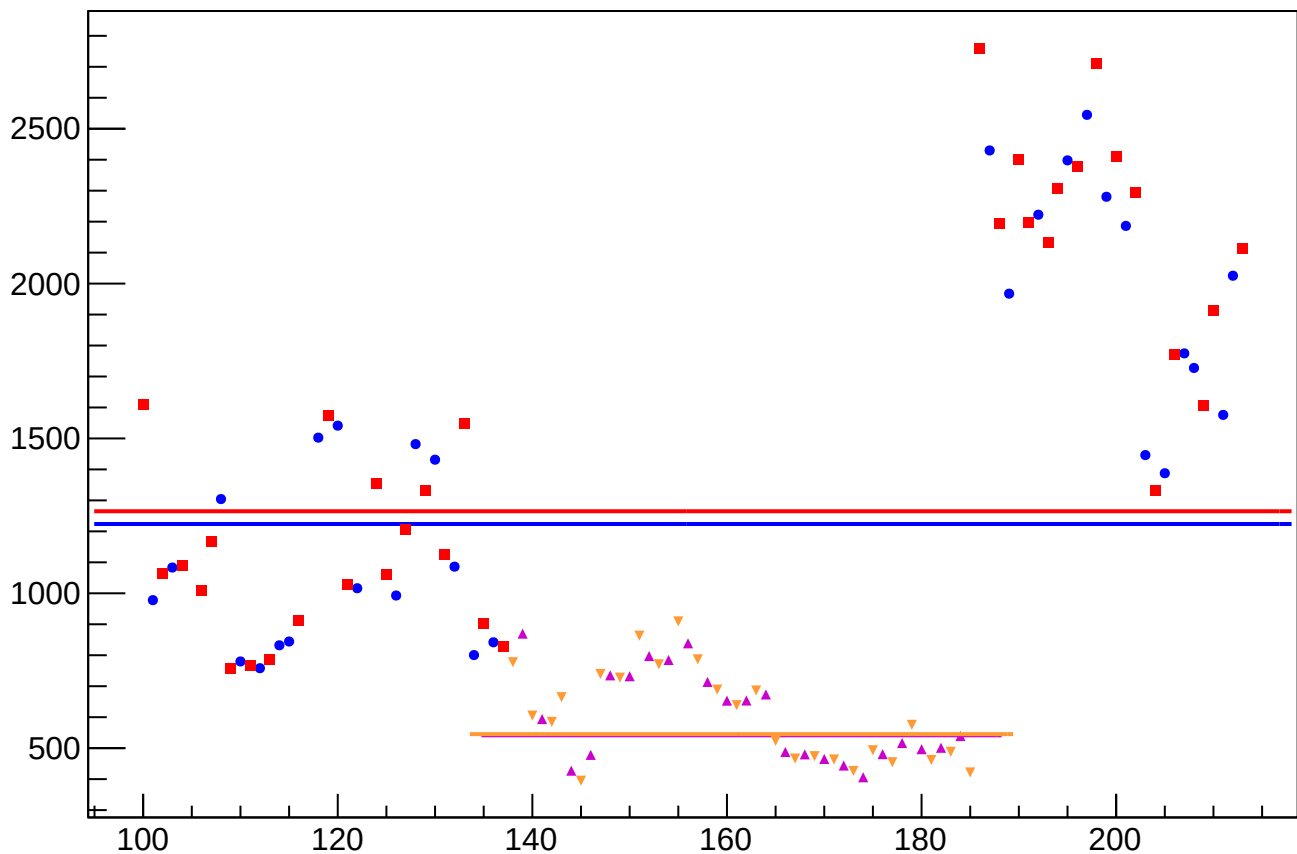
Left In: -77.392+/-130.317 χ^2/NDF : 28.4/22

+ sign -569.468+/-118.571 χ^2/NDF : 106.8/53

All: -396.122+/-84.505 χ^2/NDF : 176.0/110

- sign -217.180+/-120.469 χ^2/NDF : 64.8/56

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 1223.740 $\pm$ 0.223 χ^2 /NDF: 4512404.0/28

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083686.2/24

Right Out: 1264.943 $\pm$ 0.223 χ^2 /NDF: 5581132.2/33

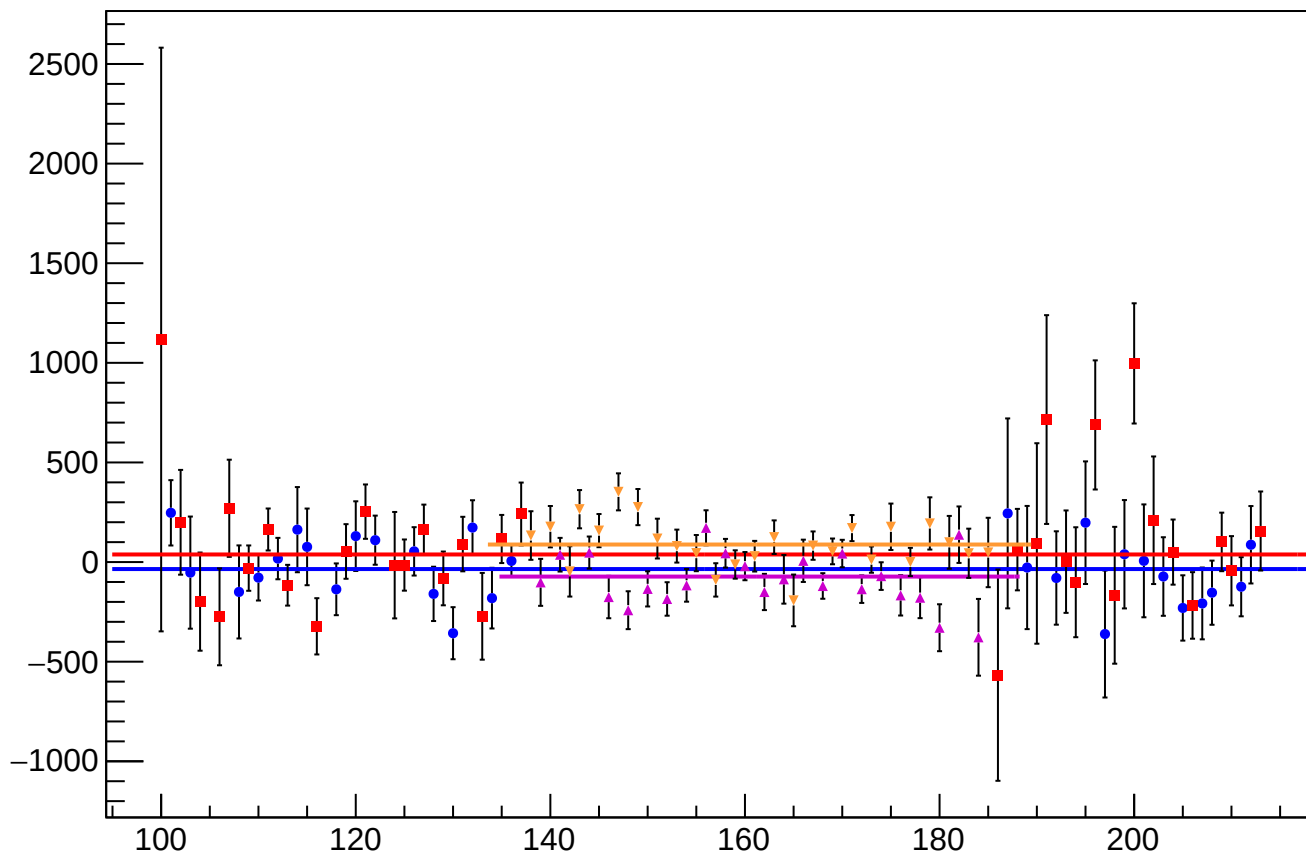
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 640.908 $\pm$ 0.084 χ^2 /NDF: 14522815.7/53

All: 643.745 $\pm$ 0.060 χ^2 /NDF: 30911278.8/1

- sign 646.673 $\pm$ 0.085 χ^2 /NDF: 16386136.9/56

dit_asym_sam_37_avg_mean vs Slug



Right In: -35.085 ± 29.348 χ^2/NDF : 24.4/28

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 38.127 ± 29.597 χ^2/NDF : 44.9/33

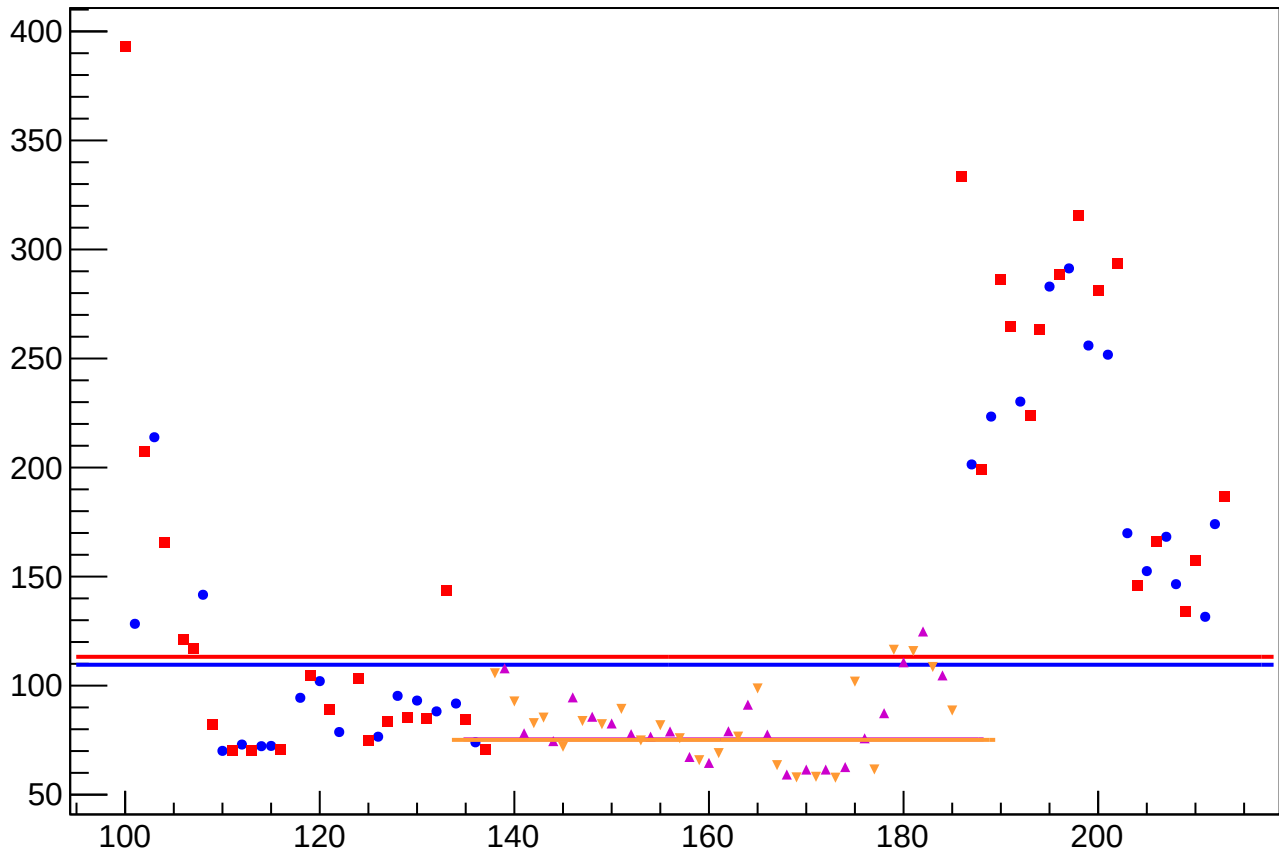
Left In: -72.849 ± 18.276 χ^2/NDF : 38.4/22

+ sign 55.079 ± 15.185 χ^2/NDF : 74.2/53

All: 7.588 ± 10.864 χ^2/NDF : 187.7/110

- sign -42.216 ± 15.550 χ^2/NDF : 93.5/56

dit_asym_sam_37_avg_rms vs Slug



Right In: 109.574 $\pm$ 0.021 χ^2 /NDF: 5942285.9/28

Left Out: 75.128 $\pm$ 0.013 χ^2 /NDF:1601461.8/24

Right Out: 113.214 $\pm$ 0.021 χ^2 /NDF: 7579186.8/33

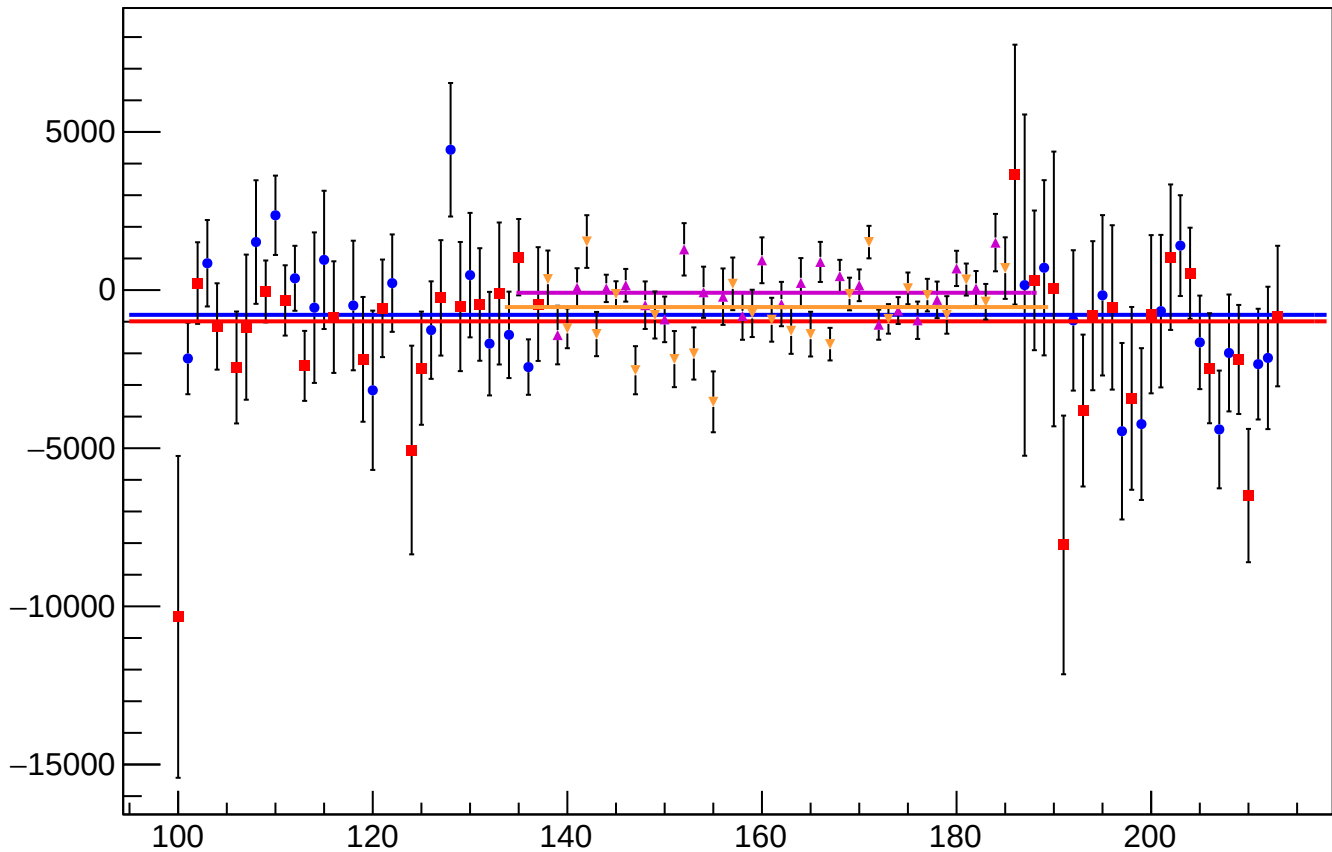
Left In: 75.363 $\pm$ 0.013 χ^2 /NDF:1225318.4/22

+ sign 84.349 $\pm$ 0.011 χ^2 /NDF: 9561388.0/53

All: 85.063 $\pm$ 0.008 χ^2 /NDF: 20742962.8/110

- sign 85.811 $\pm$ 0.011 χ^2 /NDF: 11172530.1/56

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -782.603+/-309.571 χ^2/NDF : 36.3/28

Left Out: -536.789+/-124.471 χ^2/NDF : 67.0/24

Right Out: -988.248+/-305.254 χ^2/NDF : 30.6/33

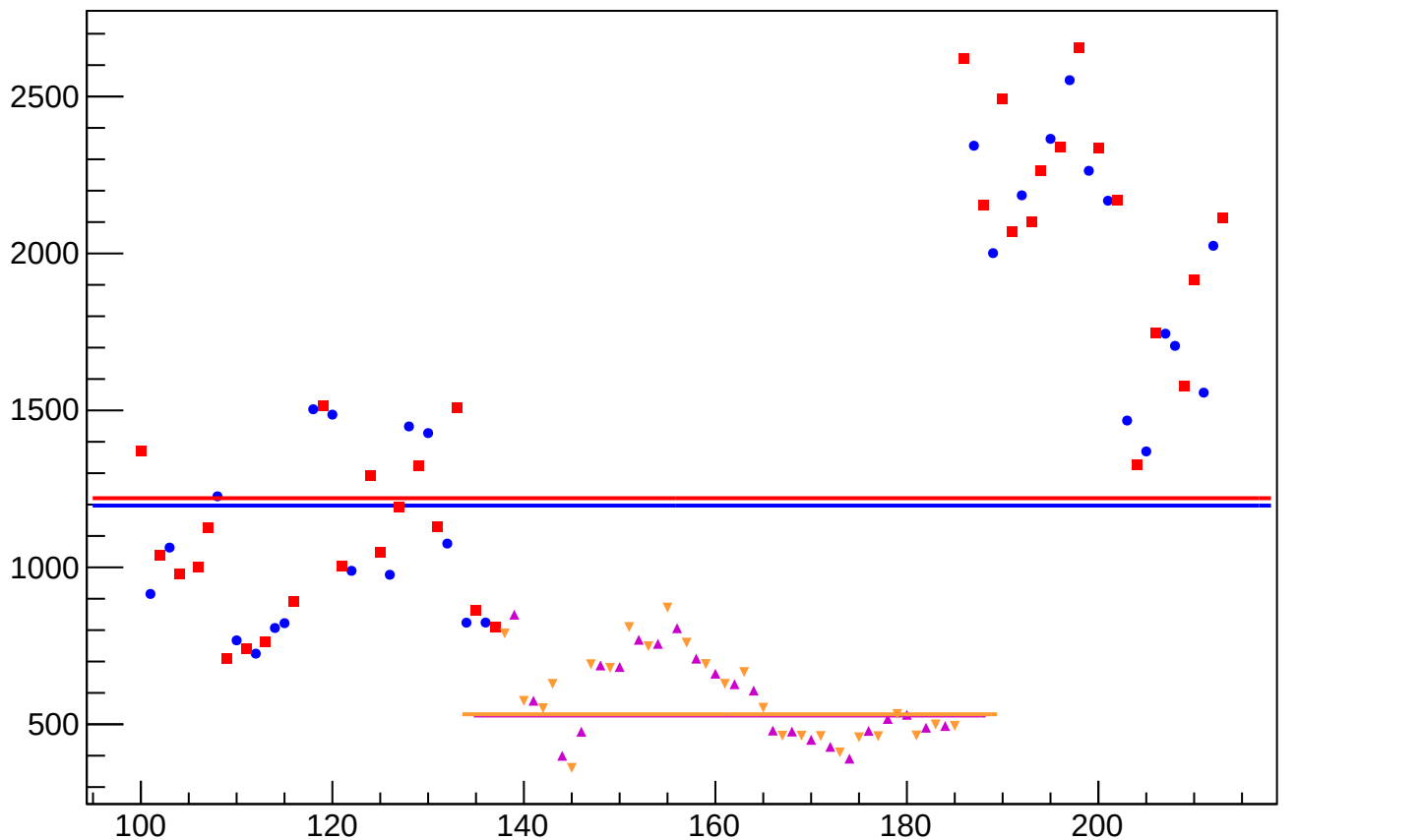
Left In: -84.668+/-127.039 χ^2/NDF : 27.5/22

+ sign -570.998+/-115.486 χ^2/NDF : 103.9/53

All: -397.263+/-82.290 χ^2/NDF : 174.1/110

- sign -218.065+/-117.288 χ^2/NDF : 65.6/56

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1196.704 $\pm$ 0.219 χ^2 /NDF: 4675353.1/28

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037750.0/24

Right Out: 1220.323 $\pm$ 0.216 χ^2 /NDF: 5828233.7/33

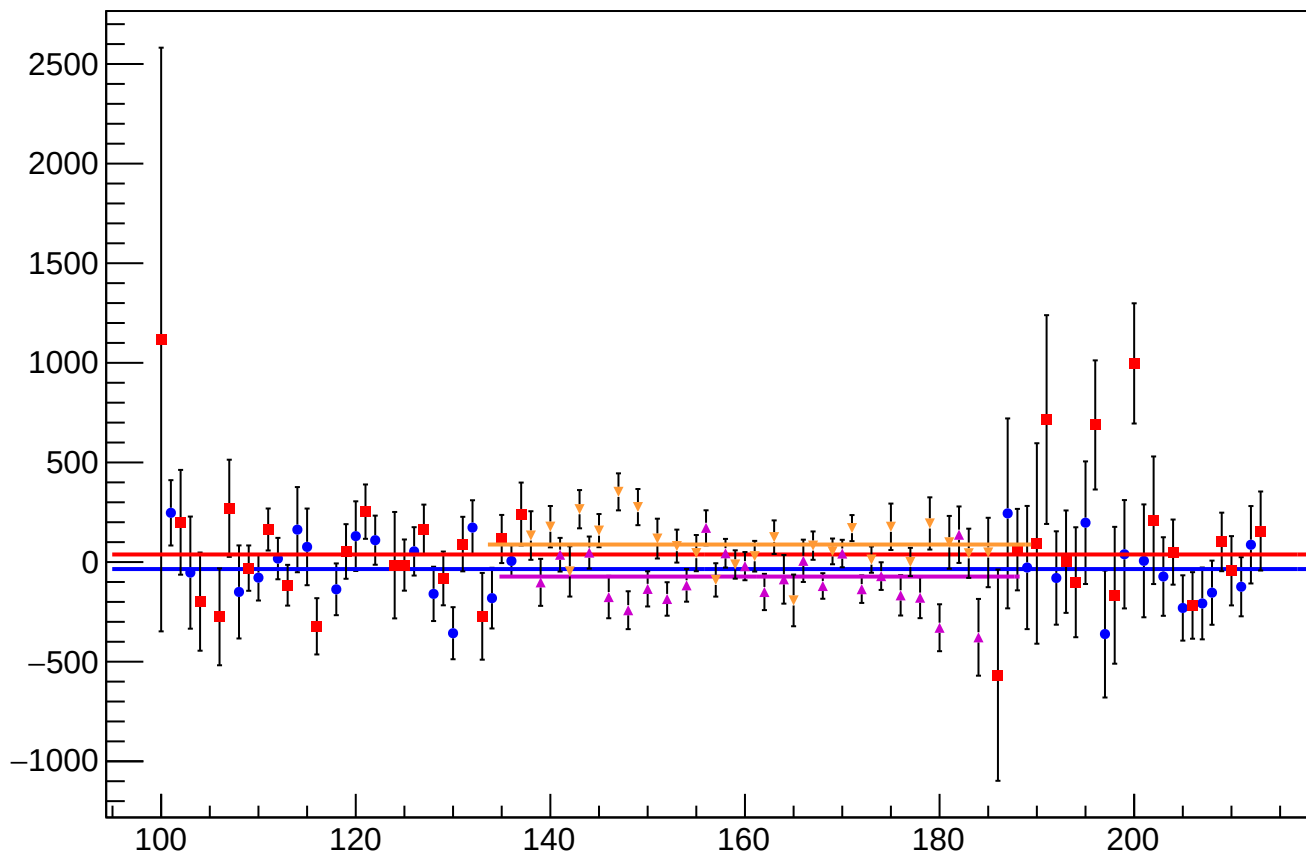
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800455.5/22

+ sign 624.395 $\pm$ 0.082 χ^2 /NDF: 14653677.7/53

All: 627.251 $\pm$ 0.058 χ^2 /NDF: 31054242.5/11

- sign 630.197 $\pm$ 0.083 χ^2 /NDF: 16398080.1/56

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -35.085 ± 29.348 χ^2/NDF : 24.4/28

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 38.130 ± 29.598 χ^2/NDF : 44.9/33

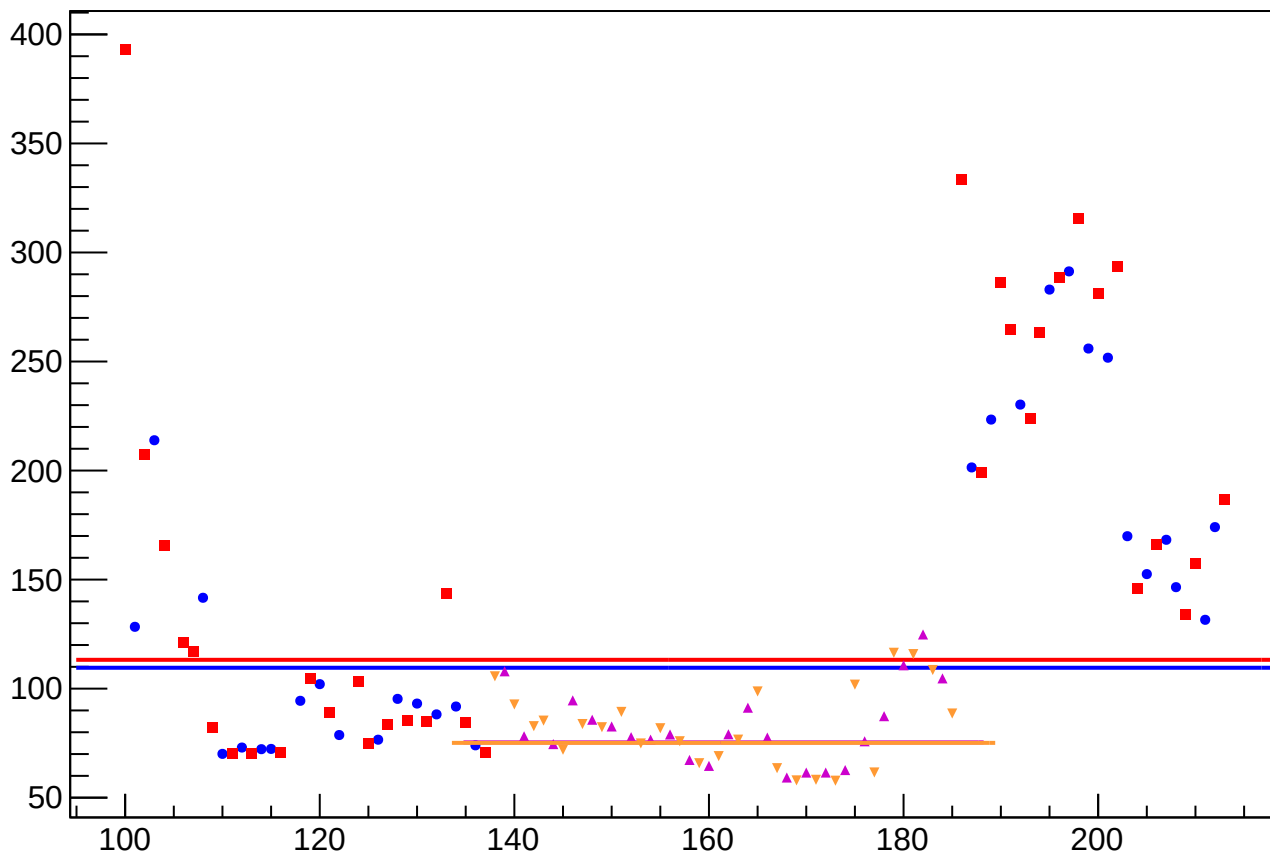
Left In: -72.848 ± 18.276 χ^2/NDF : 38.4/22

+ sign 55.079 ± 15.185 χ^2/NDF : 74.2/53

All: 7.589 ± 10.864 χ^2/NDF : 187.7/110

- sign -42.214 ± 15.550 χ^2/NDF : 93.5/56

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 109.575 $\pm$ 0.021 χ^2/NDF : 5942244.1/28

Left Out: 75.128 $\pm$ 0.013 χ^2/NDF : 1601462.6/24

Right Out: 113.214 $\pm$ 0.021 χ^2/NDF : 7579143.3/33

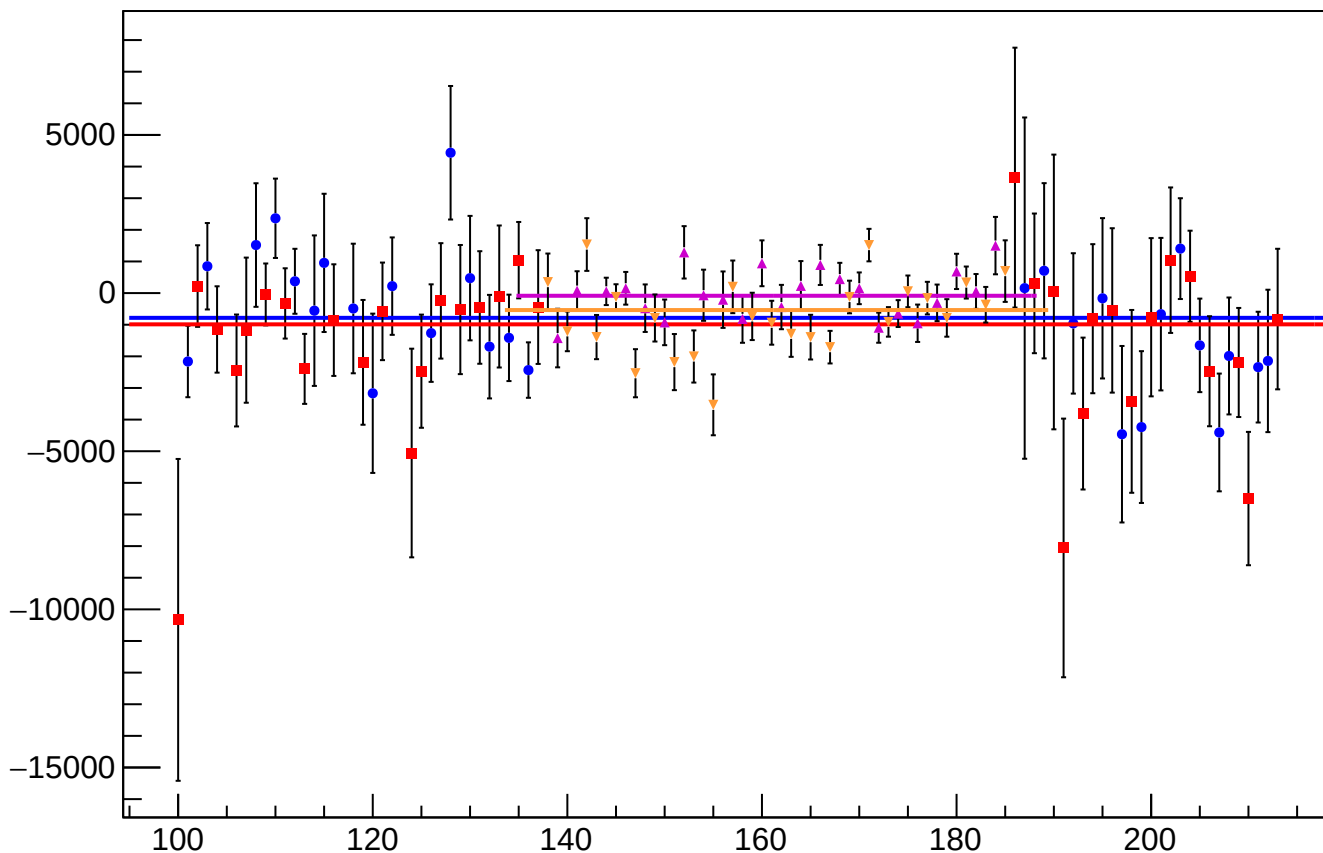
Left In: 75.363 $\pm$ 0.013 χ^2/NDF : 1225319.2/22

+ sign 84.350 $\pm$ 0.011 χ^2/NDF : 9561353.9/53

All: 85.063 $\pm$ 0.008 χ^2/NDF : 20742907.2/110

- sign 85.811 $\pm$ 0.011 χ^2/NDF : 11172508.8/56

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -782.600 ± 309.570 χ^2/NDF : 36.3/28

Left Out: -536.790 ± 124.471 χ^2/NDF : 67.0/24

Right Out: -988.247 ± 305.254 χ^2/NDF : 30.6/33

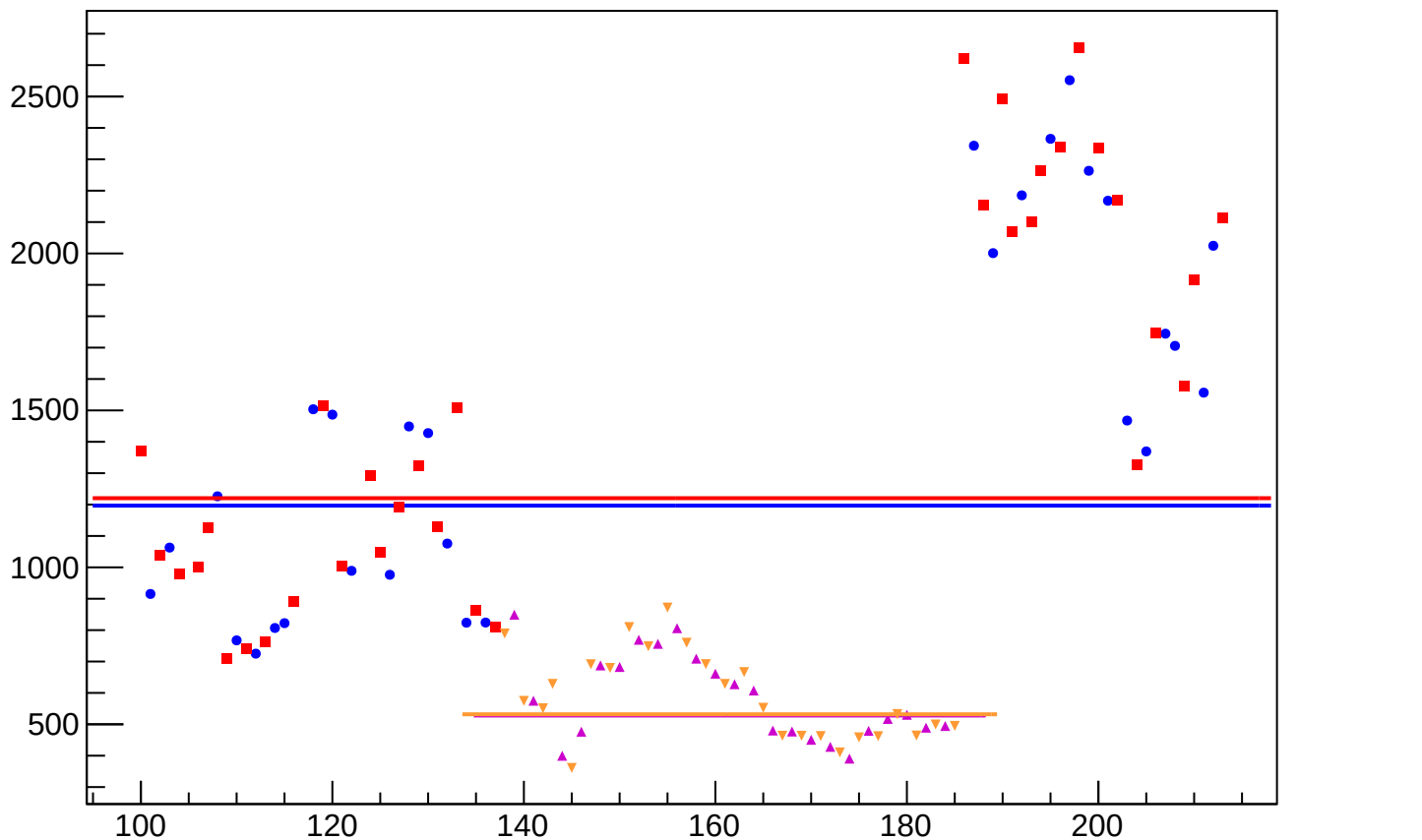
Left In: -84.668 ± 127.039 χ^2/NDF : 27.5/22

+ sign -570.999 ± 115.486 χ^2/NDF : 103.9/53

All: -397.263 ± 82.290 χ^2/NDF : 174.1/110

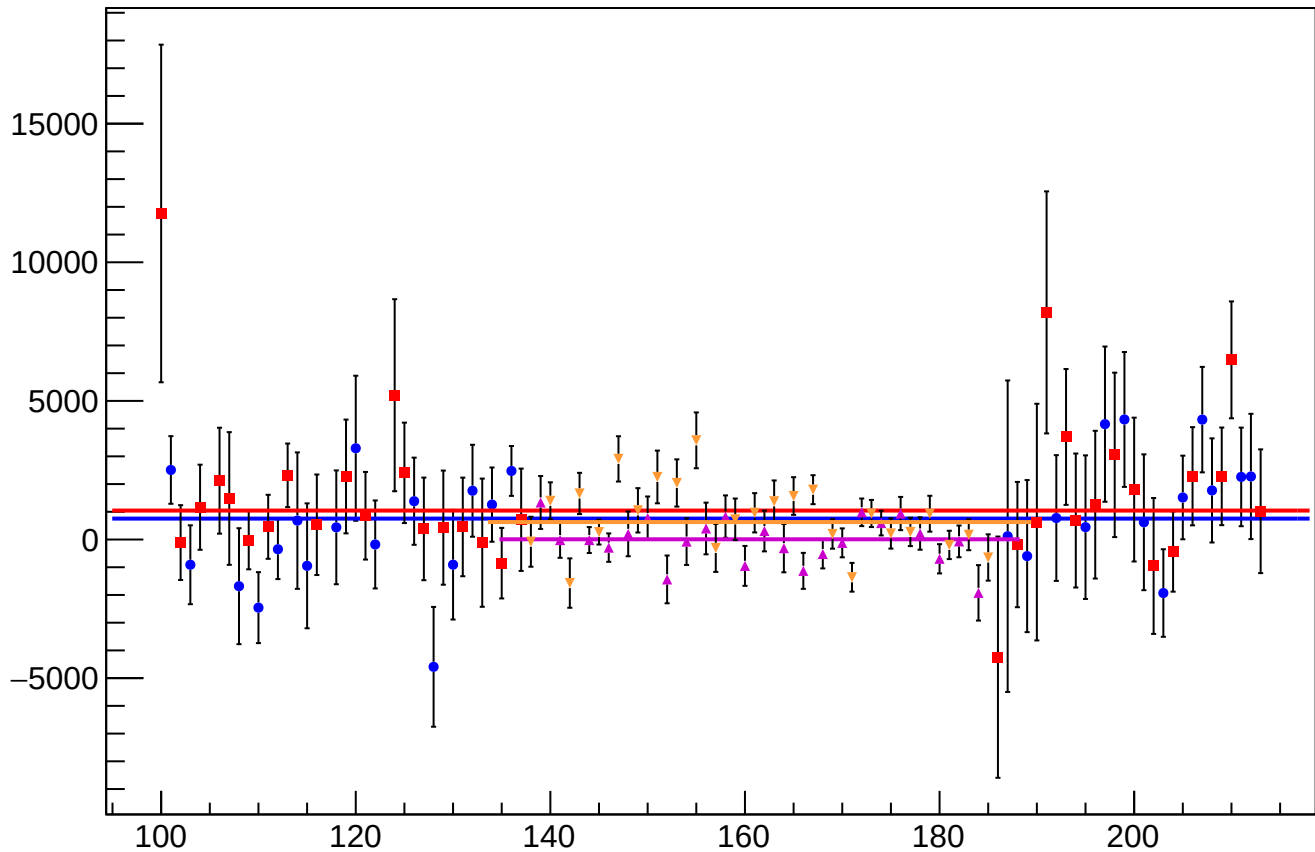
- sign -218.065 ± 117.287 χ^2/NDF : 65.6/56

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 1196.702 $\pm$ 0.219 χ^2 /NDF: 4675366.9/28
 Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037744.9/24
 Right Out: 1220.321 $\pm$ 0.216 χ^2 /NDF: 5828246.1/33
 Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800449.7/22
 + sign 624.395 $\pm$ 0.082 χ^2 /NDF: 14653667.8/53
 All: 627.251 $\pm$ 0.058 χ^2 /NDF: 31054216.2/11
 - sign 630.196 $\pm$ 0.083 χ^2 /NDF: 16398063.7/56

asym_sam_37_avg_mean vs Slug



Right In: 754.681 ± 317.428 χ^2/NDF : 37.2/28

Left Out: 629.379 ± 128.853 χ^2/NDF : 64.9/24

Right Out: 1044.467 ± 317.042 χ^2/NDF : 27.6/33

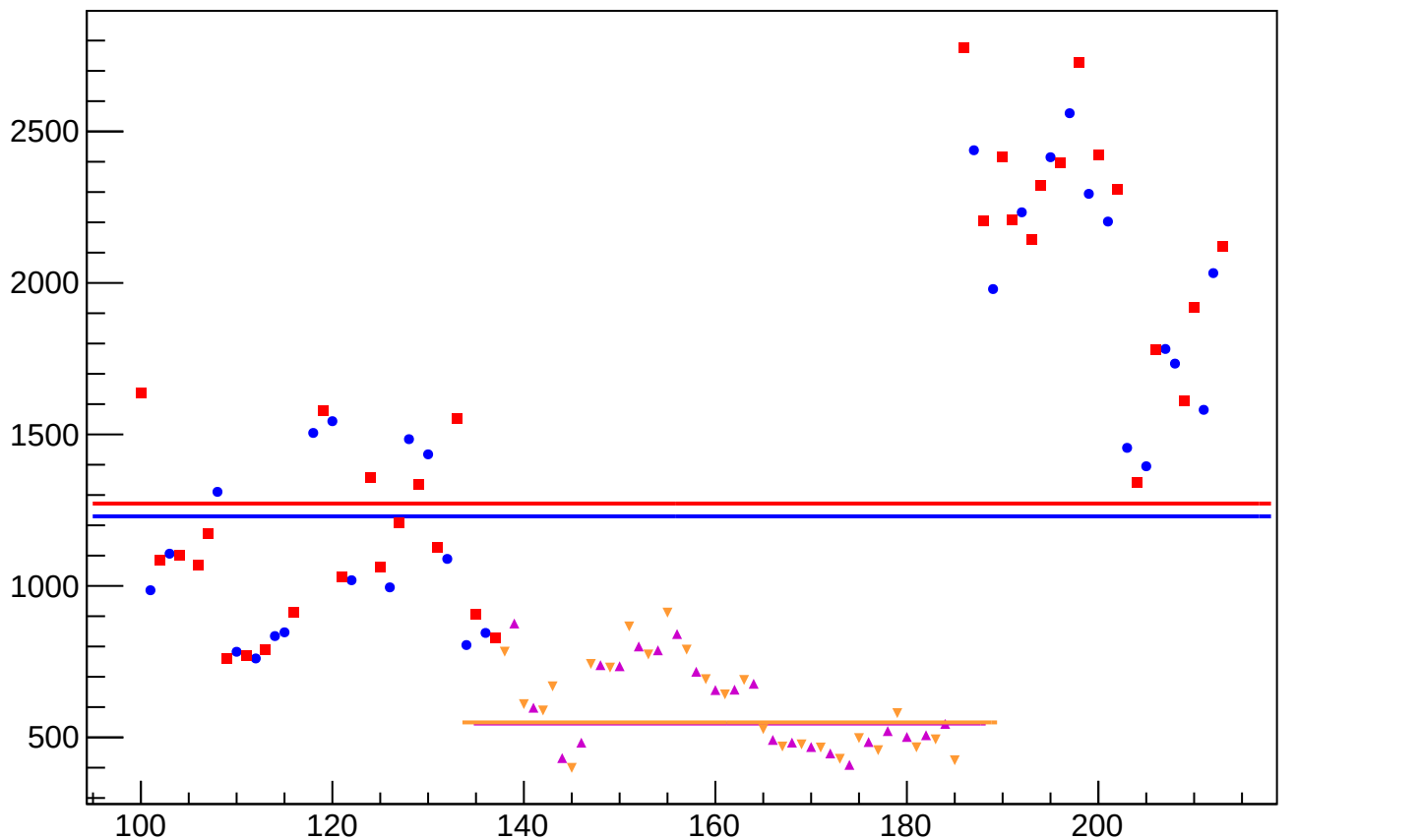
Left In: 8.460 ± 131.289 χ^2/NDF : 27.3/22

+ sign 647.105 ± 119.392 χ^2/NDF : 102.2/53

All: 407.470 ± 85.089 χ^2/NDF : 174.4/110

- sign 160.113 ± 121.300 χ^2/NDF : 64.0/56

asym_sam_37_avg_rms vs Slug



Right In: 1229.723+/-0.224 χ^2/NDF : 4517066.3/28

Left Out: 549.475+/-0.091 χ^2/NDF : 2053905.8/24

Right Out: 1271.821+/-0.224 χ^2/NDF : 5578966.8/33

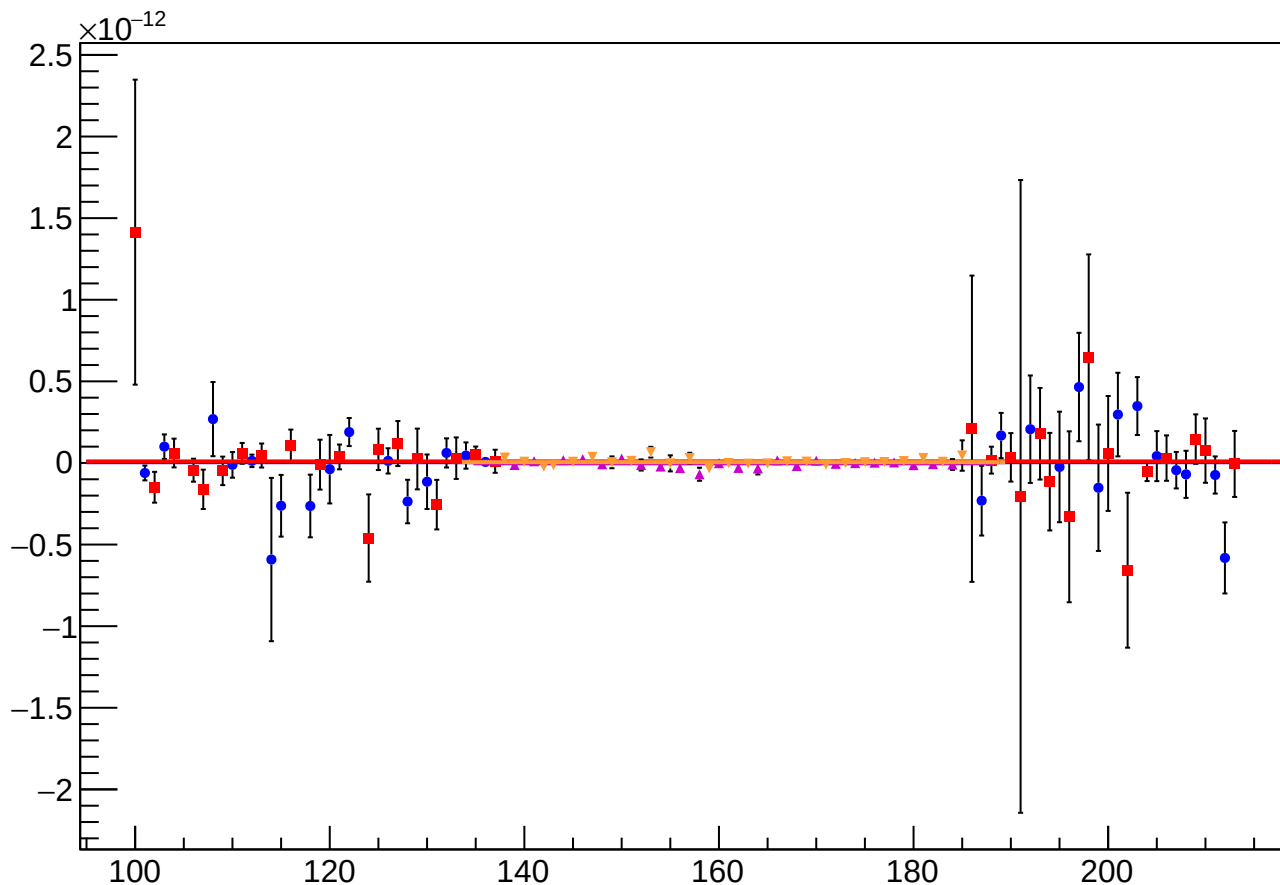
Left In: 545.708+/-0.093 χ^2/NDF : 1814508.3/22

+ sign 645.708+/-0.084 χ^2/NDF : 14456508.5/53

All: 648.803+/-0.060 χ^2/NDF : 30807743.5/11

- sign 651.998+/-0.086 χ^2/NDF : 16348503.4/56

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/33

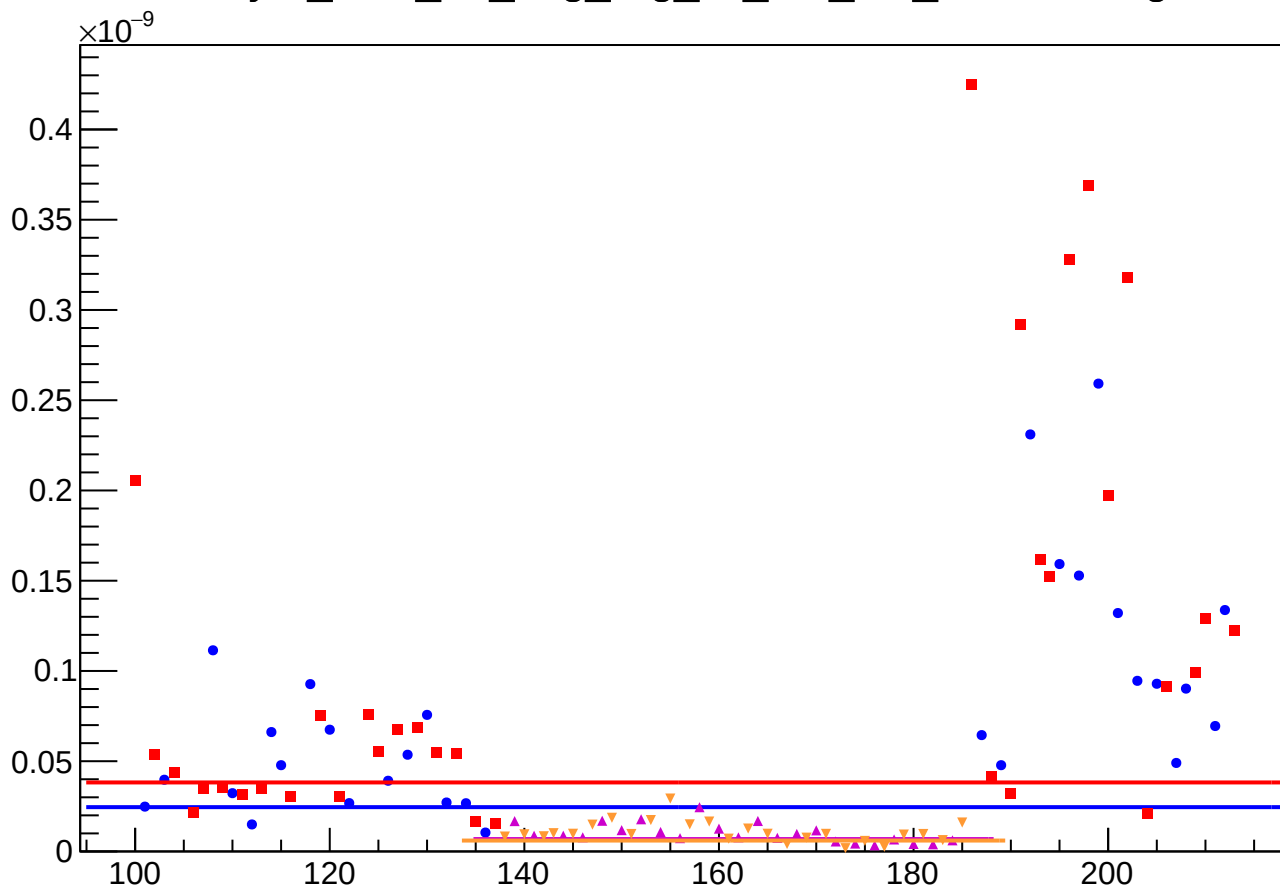
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 101.0/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.9/56

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6899959.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6202304.6/33

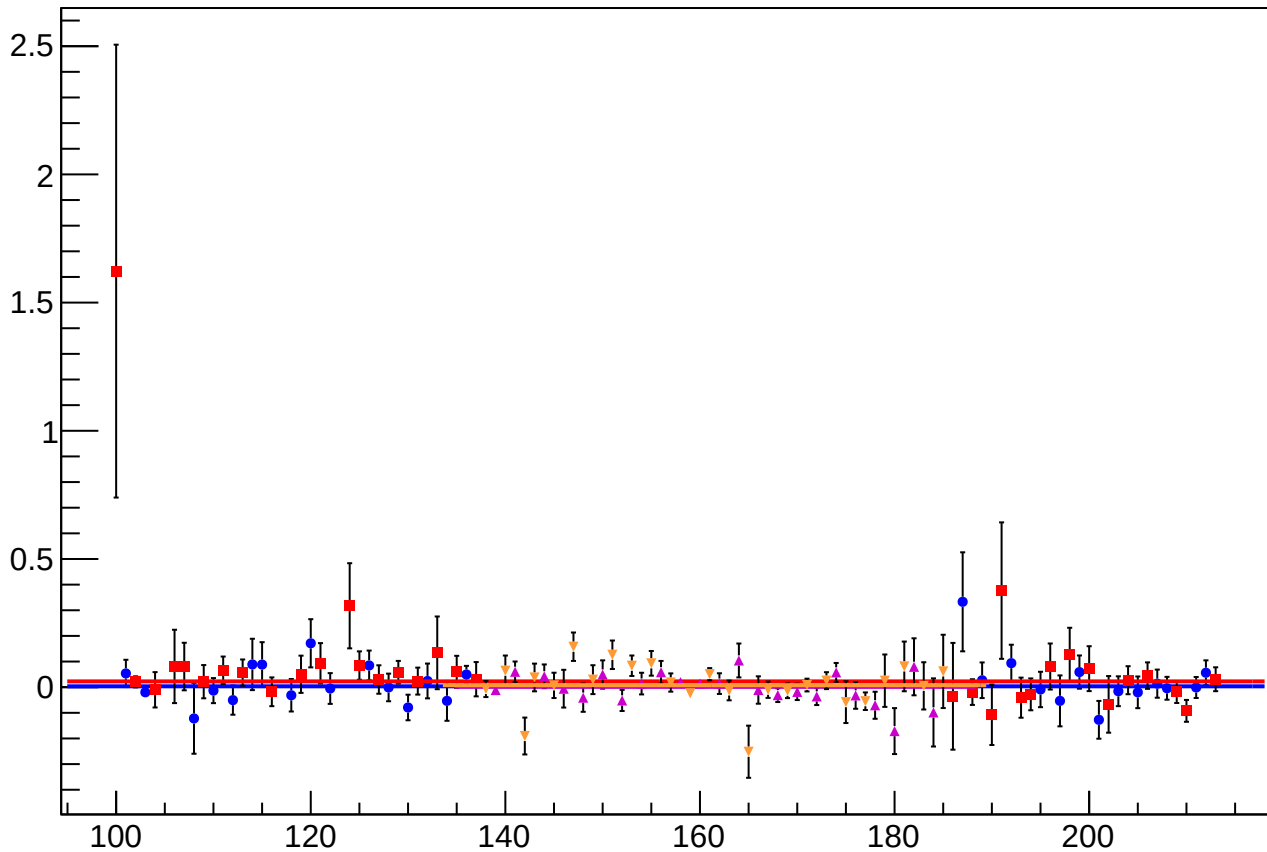
Left In: 0.000+/-0.000 χ^2/NDF : 2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 13932898.0/53

All: 0.000+/-0.000 χ^2/NDF : 28342025.3/110

- sign 0.000+/-0.000 χ^2/NDF : 14311554.3/56

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 26.9/28

Left Out: 0.008 ± 0.008 χ^2/NDF : 47.6/24

Right Out: 0.023 ± 0.010 χ^2/NDF : 28.6/33

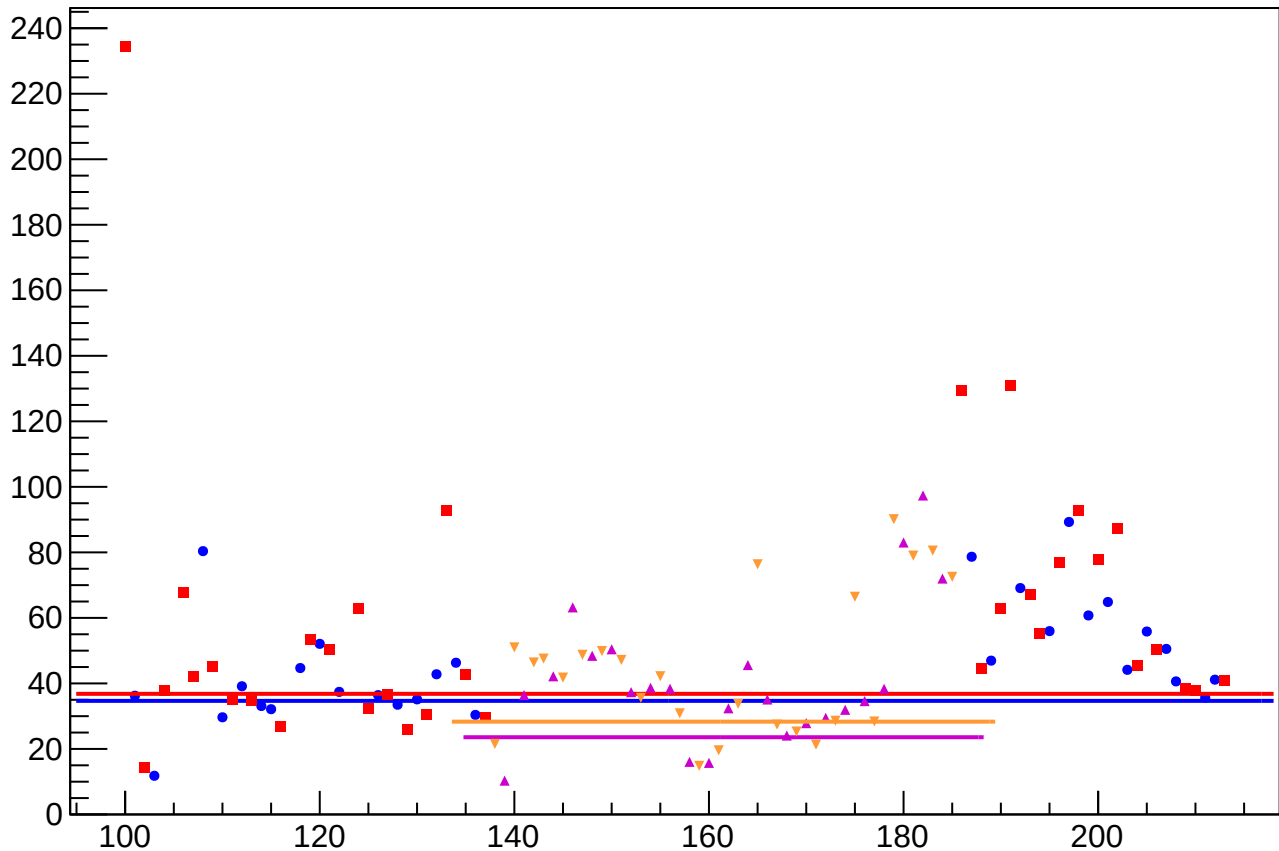
Left In: 0.001 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.006 ± 0.006 χ^2/NDF : 74.6/53

All: 0.007 ± 0.004 χ^2/NDF : 131.5/110

- sign 0.008 ± 0.006 χ^2/NDF : 56.8/56

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.674 ± 0.007 $\chi^2/NDF: 5809062.2/28$

Left Out: 28.325 ± 0.005 $\chi^2/NDF: 6788307.1/24$

Right Out: 36.819 ± 0.007 $\chi^2/NDF: 6533551.3/33$

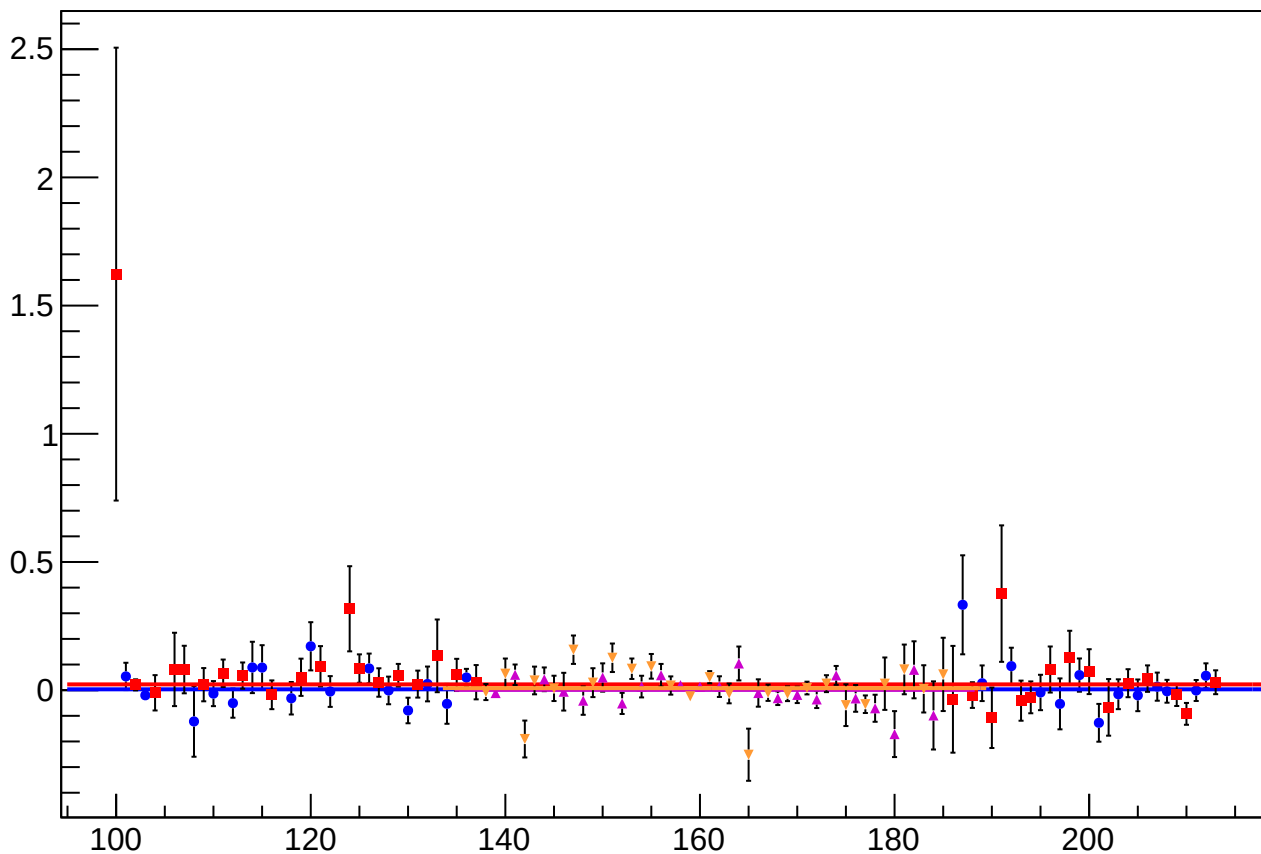
Left In: 23.572 ± 0.005 $\chi^2/NDF: 8263833.7/22$

+ sign 30.711 ± 0.004 $\chi^2/NDF: 13125108.5/53$

All: 29.132 ± 0.003 $\chi^2/NDF: 30564264.6/110$

- sign 27.733 ± 0.004 $\chi^2/NDF: 17176990.8/56$

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.010 χ^2 /NDF: 26.9/28

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: 0.023 $\pm$ 0.010 χ^2 /NDF: 28.6/33

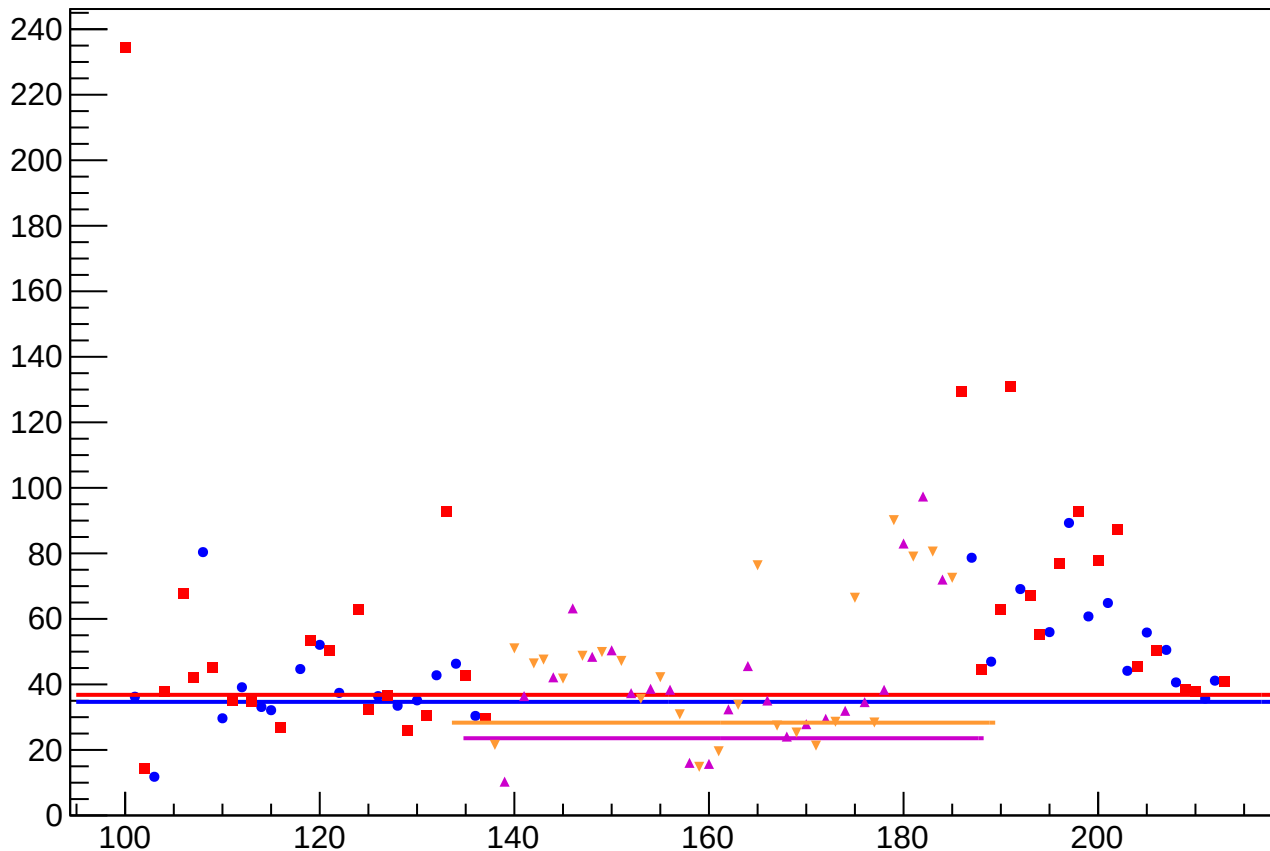
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 74.6/53

All: 0.007 $\pm$ 0.004 χ^2 /NDF: 131.5/110

- sign 0.008 $\pm$ 0.006 χ^2 /NDF: 56.8/56

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.674 $\pm$ 0.007 χ^2/NDF : 5809062.2/28

Left Out: 28.325 $\pm$ 0.005 χ^2/NDF : 6788307.1/24

Right Out: 36.819 $\pm$ 0.007 χ^2/NDF : 6533551.3/33

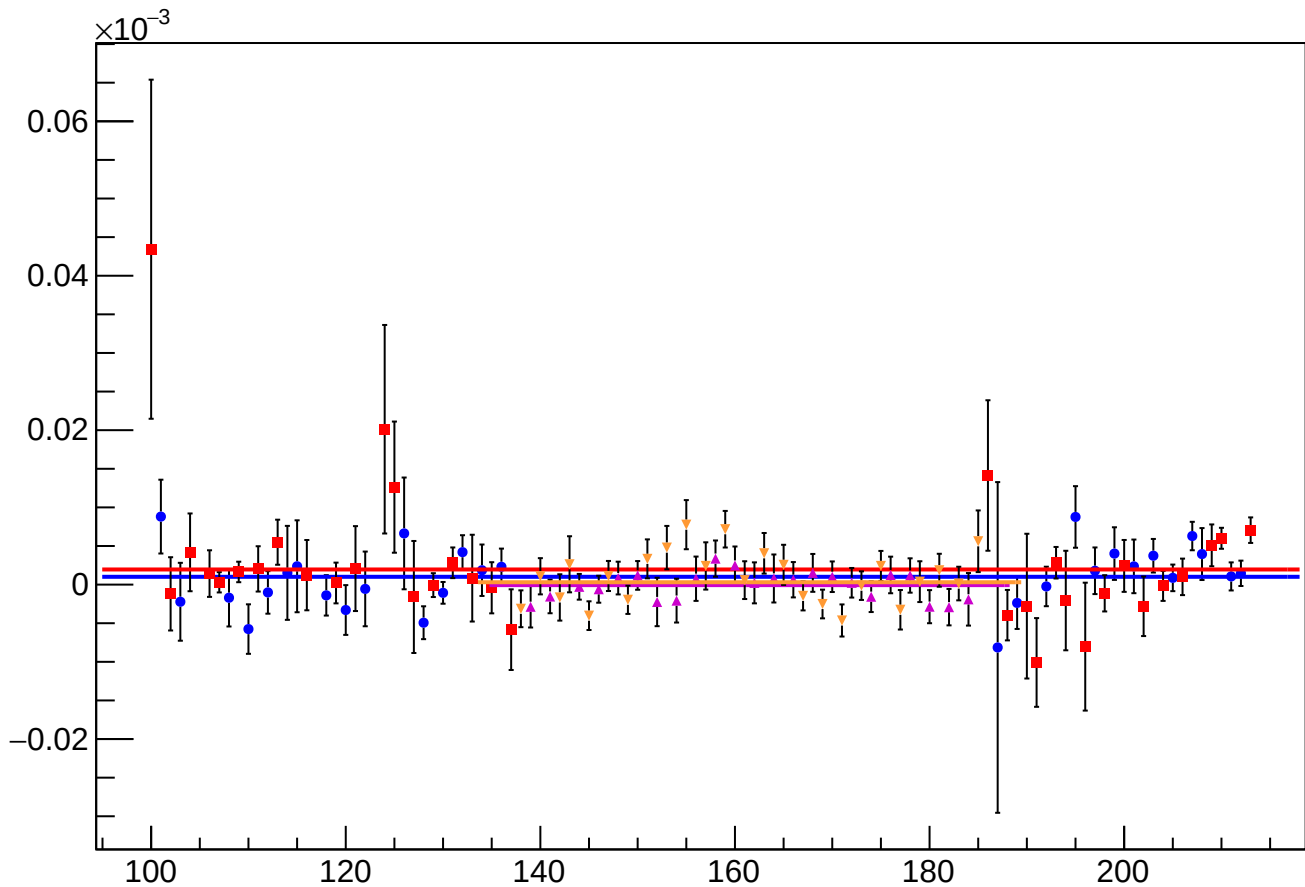
Left In: 23.572 $\pm$ 0.005 χ^2/NDF : 8263833.7/22

+ sign 30.711 $\pm$ 0.004 χ^2/NDF : 13125108.5/53

All: 29.132 $\pm$ 0.003 χ^2/NDF : 30564264.6/110

- sign 27.733 $\pm$ 0.004 χ^2/NDF : 17176990.8/56

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:45.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.9/33

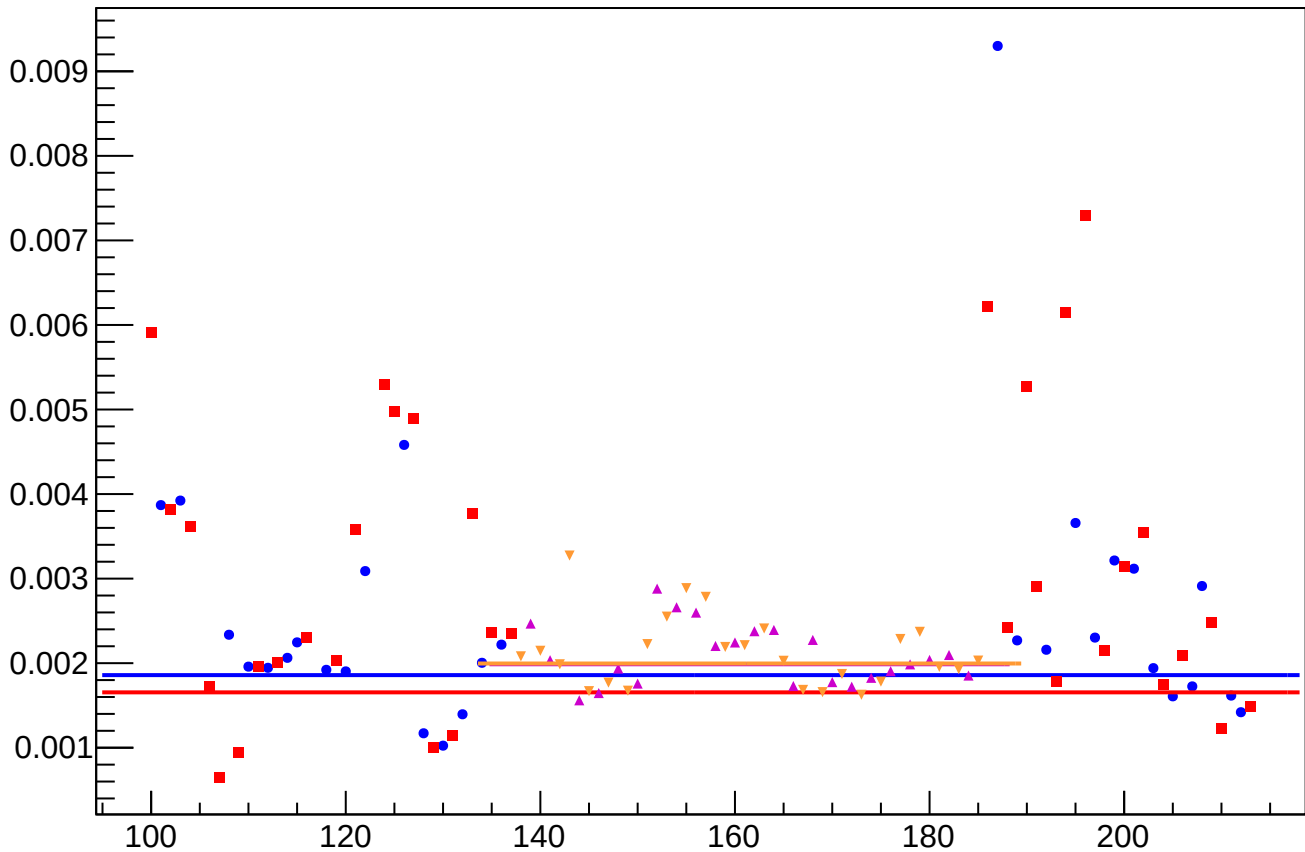
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:12.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 88.1/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 162.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 73.7/56

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3961296.3/28

Left Out: 0.002+/-0.000 χ^2/NDF : 1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8974923.4/33

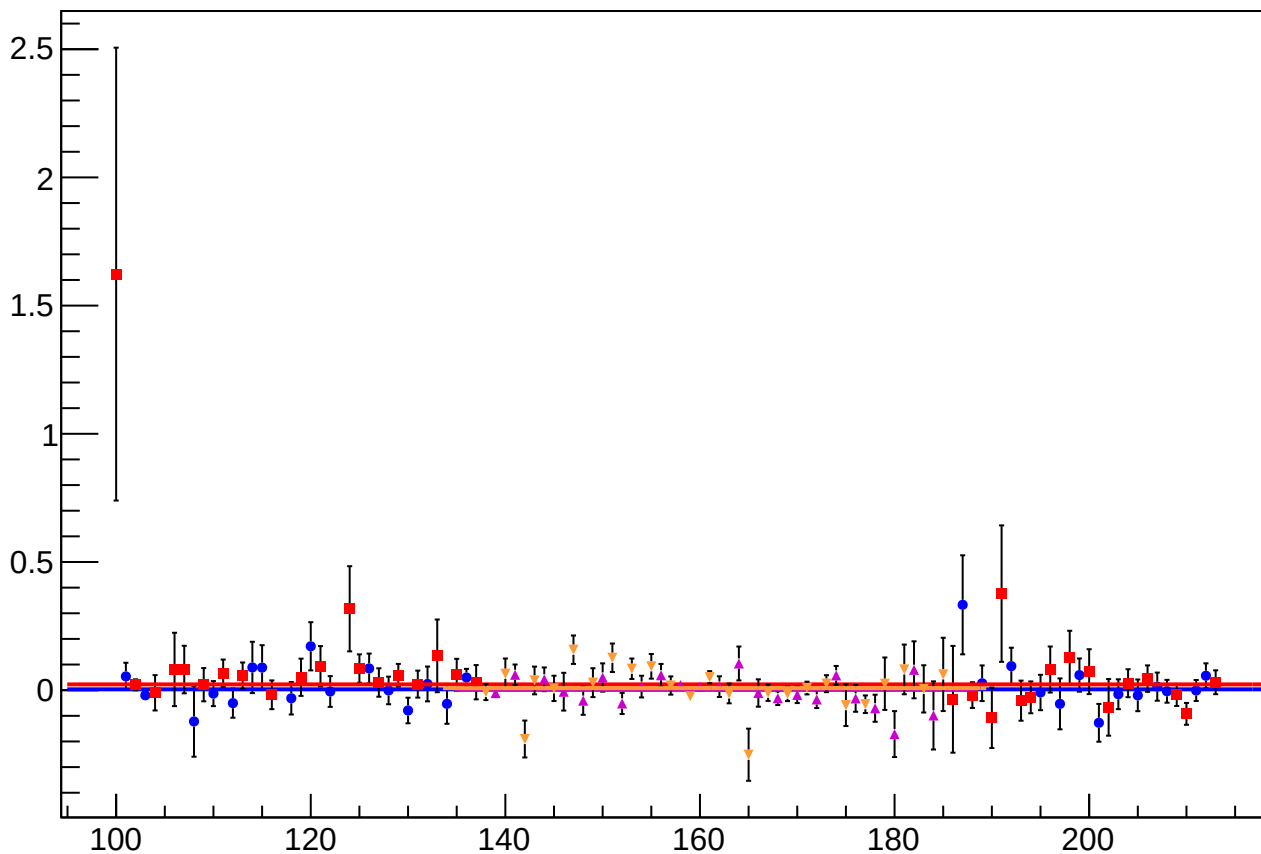
Left In: 0.002+/-0.000 χ^2/NDF : 924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 5217305.8/53

All: 0.002+/-0.000 χ^2/NDF : 15761822.6/110

- sign 0.002+/-0.000 χ^2/NDF : 10417274.4/56

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.010 χ^2 /NDF: 26.9/28

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: 0.023 $\pm$ 0.010 χ^2 /NDF: 28.6/33

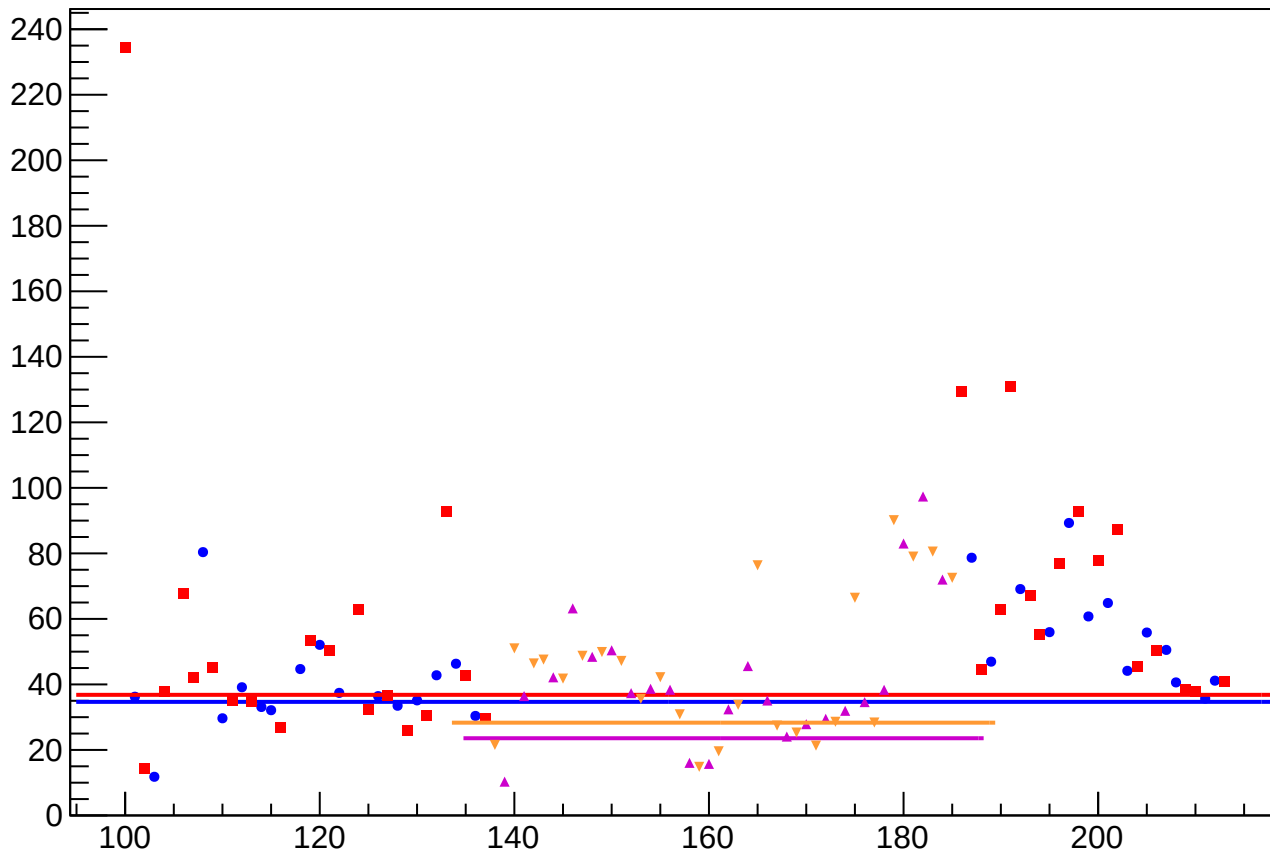
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 74.6/53

All: 0.007 $\pm$ 0.004 χ^2 /NDF: 131.5/110

- sign 0.008 $\pm$ 0.006 χ^2 /NDF: 56.8/56

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.674+/-0.007 χ^2/NDF : 5809482.2/28

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 36.821+/-0.007 χ^2/NDF : 6532349.6/33

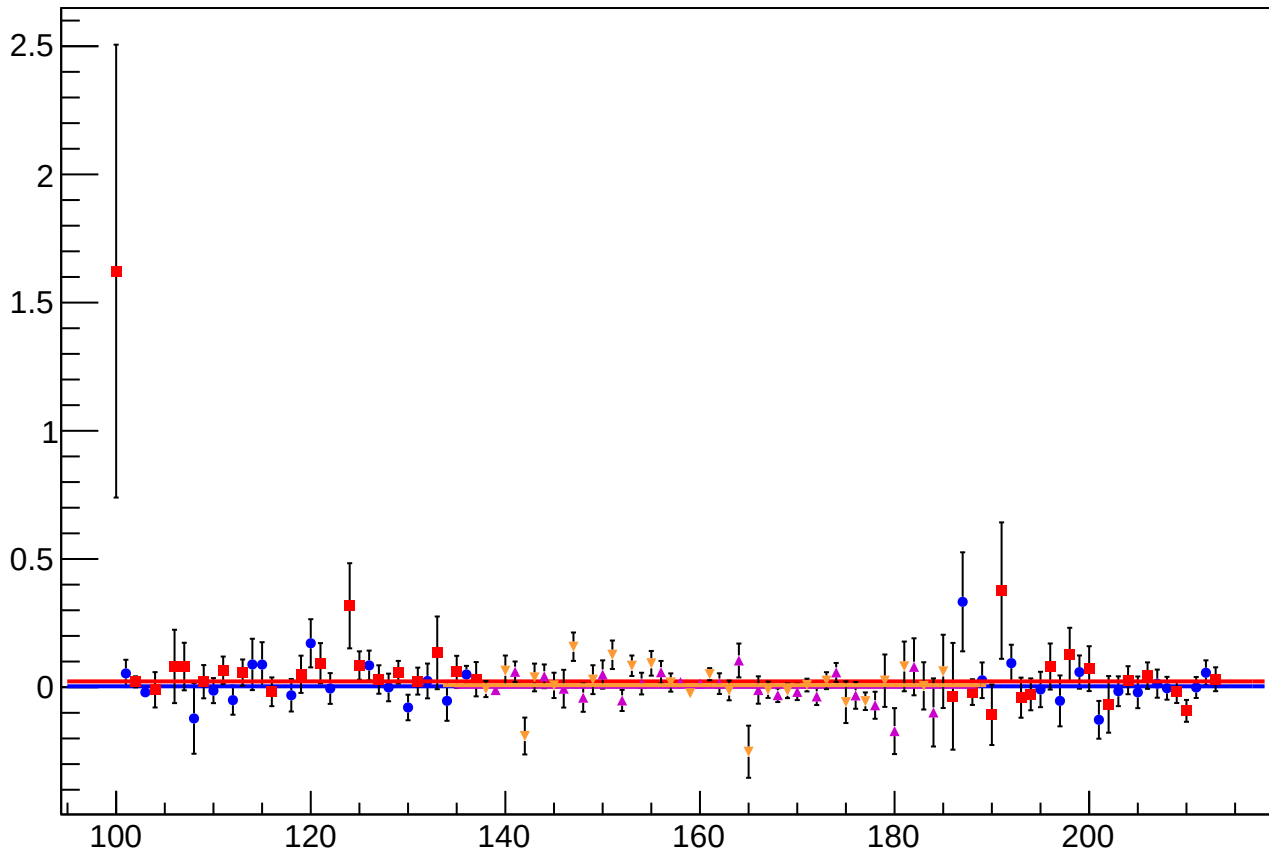
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 30.710+/-0.004 χ^2/NDF : 13125949.0/53

All: 29.132+/-0.003 χ^2/NDF : 30566111.8/110

- sign 27.733+/-0.004 χ^2/NDF : 17177998.5/56

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.010 χ^2/NDF : 26.9/28

Left Out: 0.008 ± 0.008 χ^2/NDF : 47.6/24

Right Out: 0.023 ± 0.010 χ^2/NDF : 28.6/33

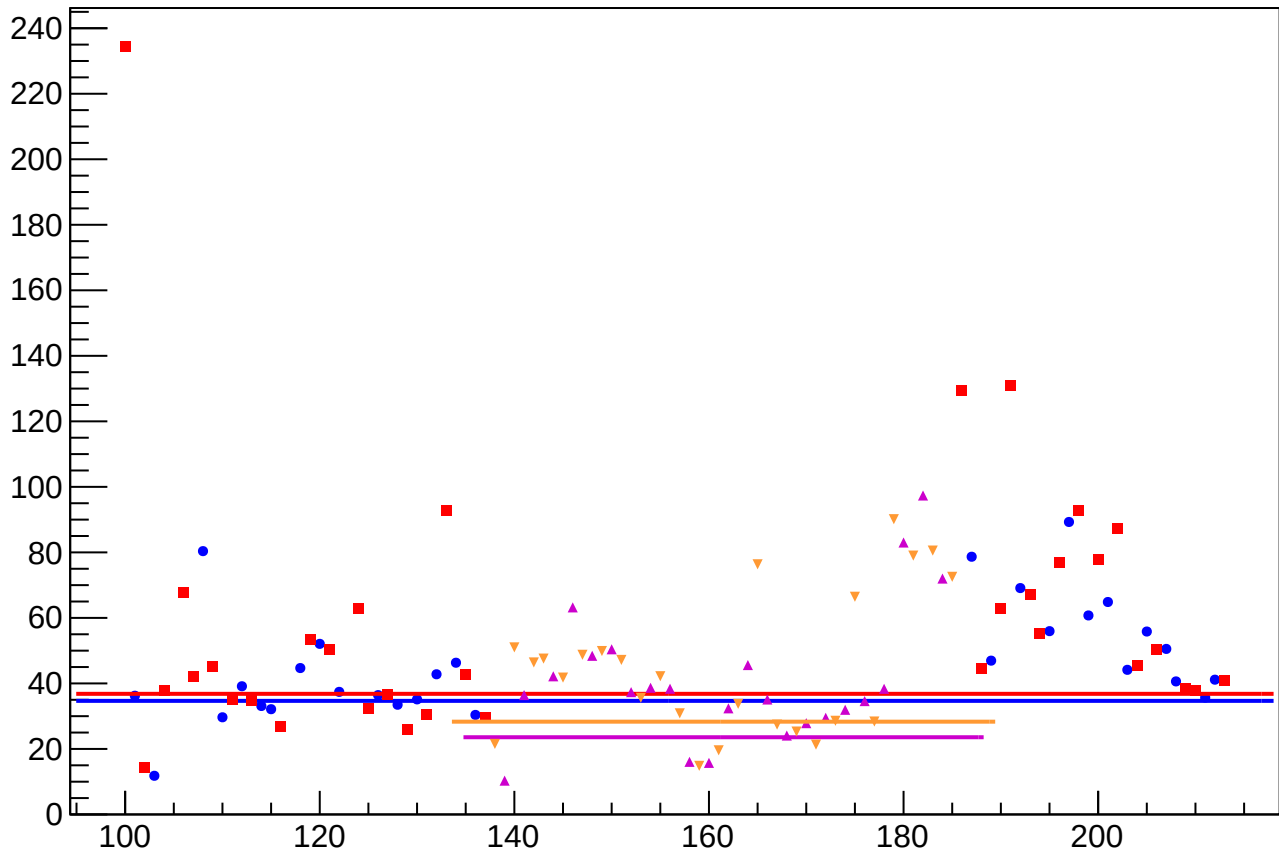
Left In: 0.001 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.006 ± 0.006 χ^2/NDF : 74.6/53

All: 0.007 ± 0.004 χ^2/NDF : 131.5/110

- sign 0.008 ± 0.006 χ^2/NDF : 56.8/56

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.674 $\pm$ 0.007 χ^2/NDF : 5809482.2/28

Left Out: 28.324 $\pm$ 0.005 χ^2/NDF : 6788766.1/24

Right Out: 36.821 $\pm$ 0.007 χ^2/NDF : 6532349.6/33

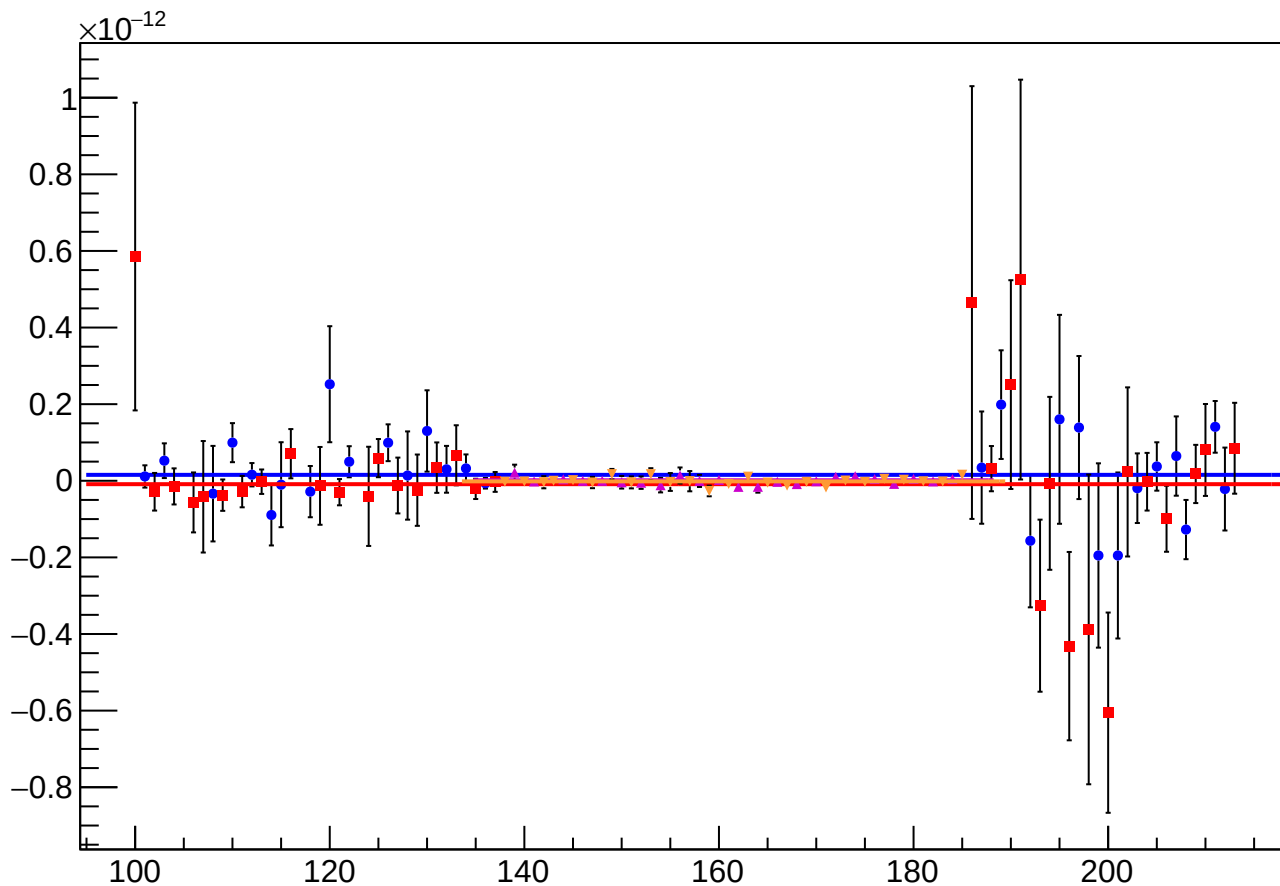
Left In: 23.571 $\pm$ 0.005 χ^2/NDF : 8264891.4/22

+ sign 30.710 $\pm$ 0.004 χ^2/NDF : 13125949.0/53

All: 29.132 $\pm$ 0.003 χ^2/NDF : 30566111.8/110

- sign 27.733 $\pm$ 0.004 χ^2/NDF : 17177998.5/56

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 28.5/28$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 17.6/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 25.6/33$

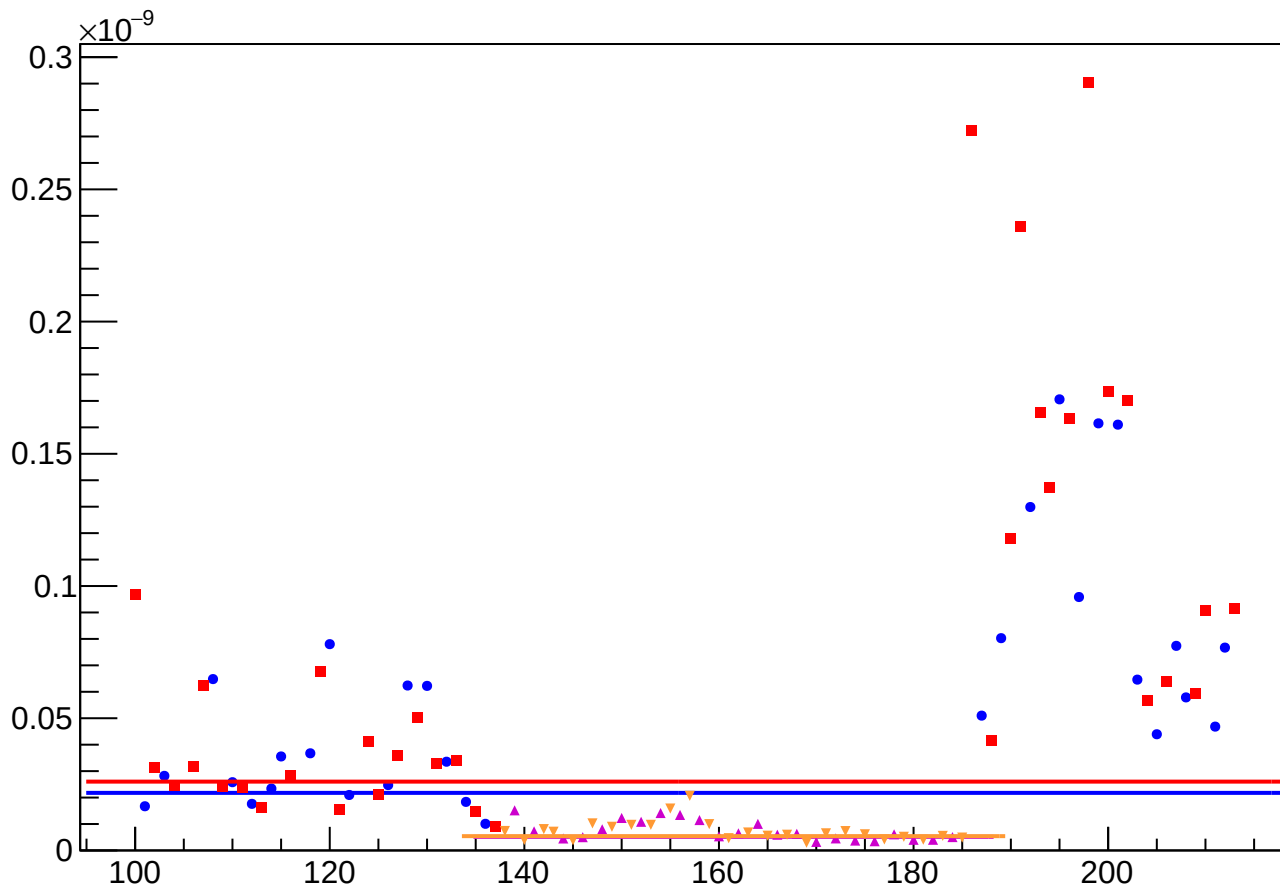
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 15.9/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 49.5/53$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 92.6/110$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 42.5/56$

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8979366.0/28

Left Out: 0.000+/-0.000 χ^2/NDF :3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10033525.9/33

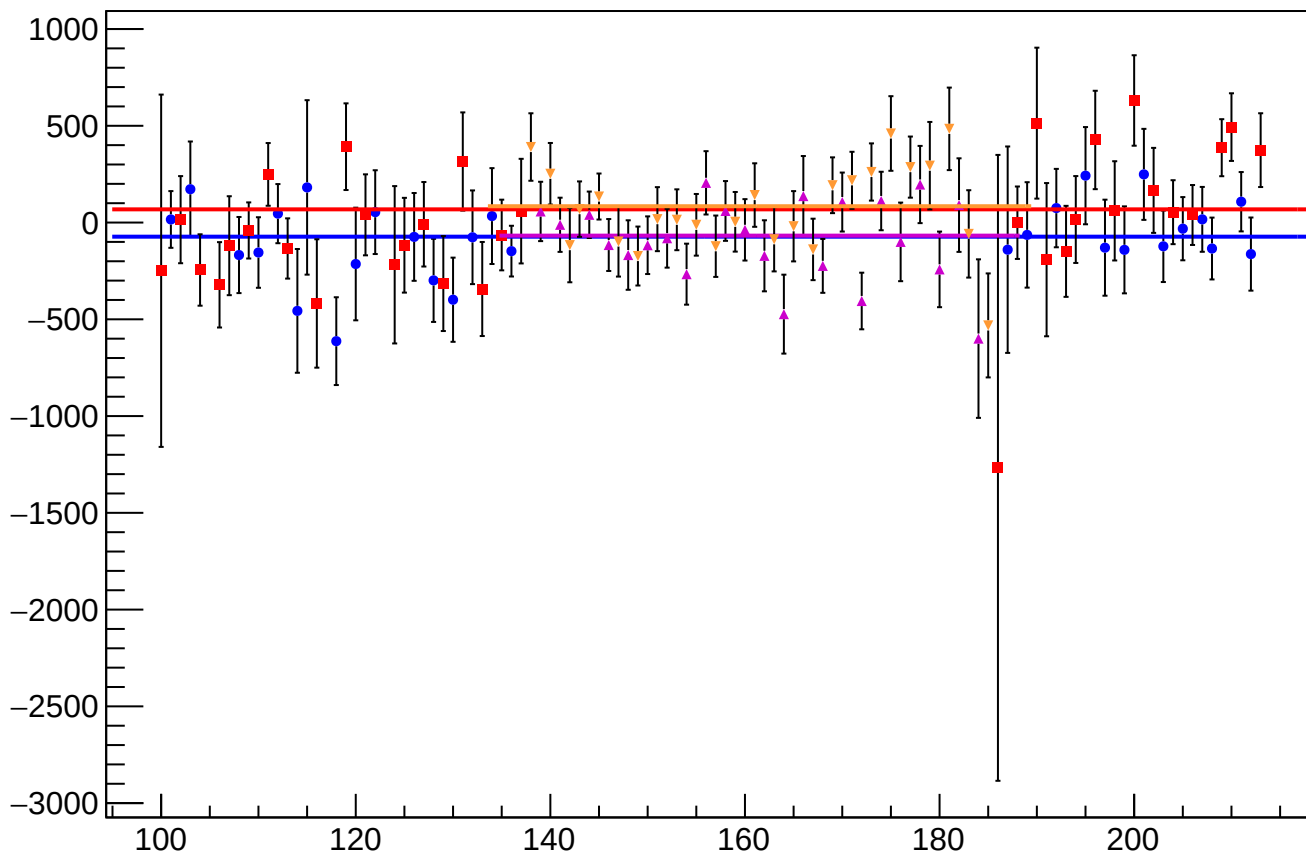
Left In: 0.000+/-0.000 χ^2/NDF :3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 18414069.9/53

All: 0.000+/-0.000 χ^2/NDF : 39954665.2/110

- sign 0.000+/-0.000 χ^2/NDF : 21517183.1/56

reg_asym_sam_48_avg_mean vs Slug



Right In: -72.964 $\pm$ 37.624 χ^2 /NDF: 20.6/28

Left Out: 84.324 $\pm$ 33.036 χ^2 /NDF:33.8/24

Right Out: 68.210 $\pm$ 36.869 χ^2 /NDF: 47.1/33

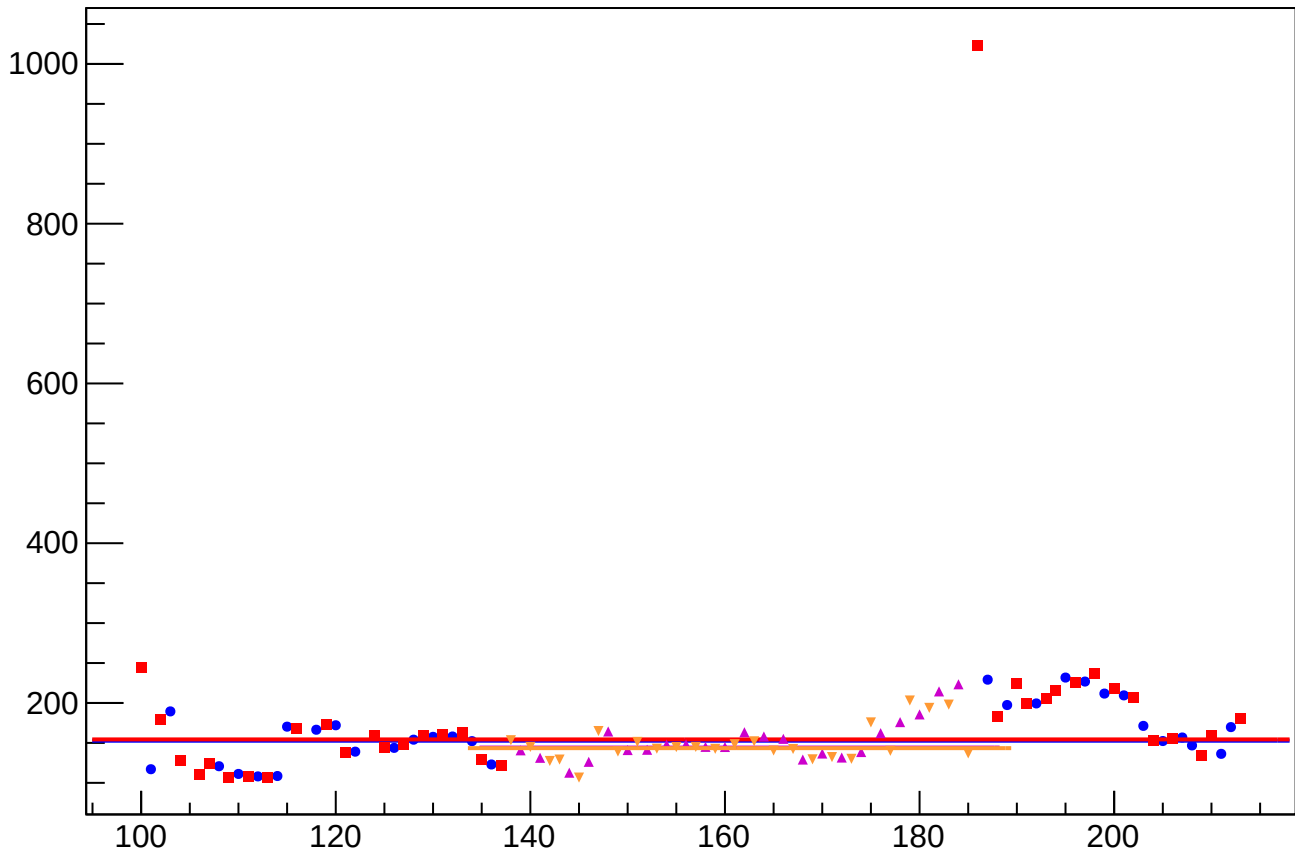
Left In: -67.646 $\pm$ 34.137 χ^2 /NDF:26.5/22

+ sign 15.851 $\pm$ 24.824 χ^2 /NDF: 64.3/53

All: 5.550 $\pm$ 17.632 χ^2 /NDF: 145.6/110

- sign -4.938 $\pm$ 25.049 χ^2 /NDF: 80.9/56

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.741+/-0.027 χ^2/NDF : 1559368.9/28

Left Out: 143.444+/-0.023 χ^2/NDF : 747040.9/24

Right Out: 154.372+/-0.026 χ^2/NDF : 2516995.6/33

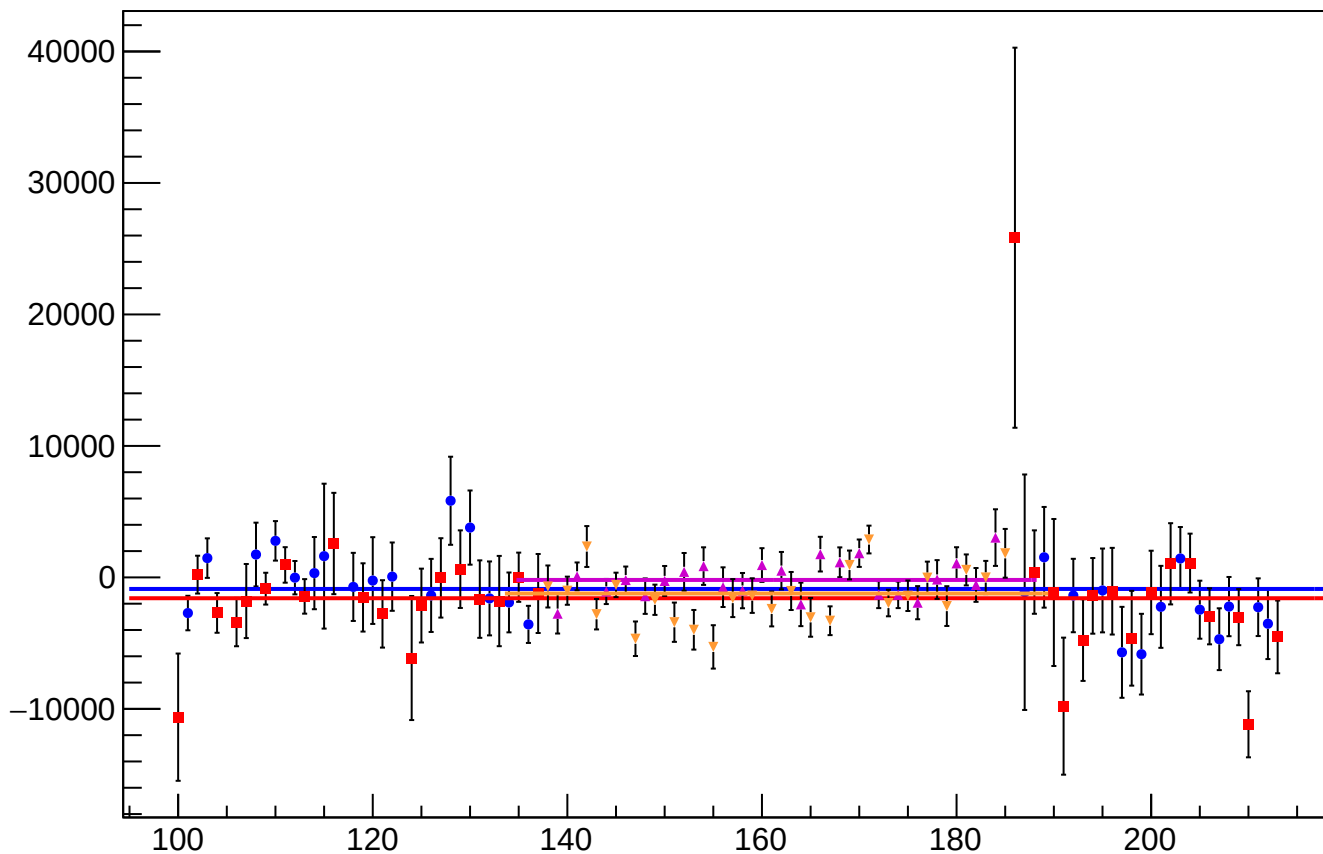
Left In: 144.170+/-0.024 χ^2/NDF : 702713.8/22

+ sign 147.491+/-0.018 χ^2/NDF : 2375377.0/53

All: 148.179+/-0.012 χ^2/NDF : 5680621.9/110

- sign 148.879+/-0.018 χ^2/NDF : 3302146.9/56

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -878.359 ± 419.521 χ^2/NDF : 34.2/28

Left Out: -1225.049 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1584.823 ± 399.780 χ^2/NDF : 41.4/33

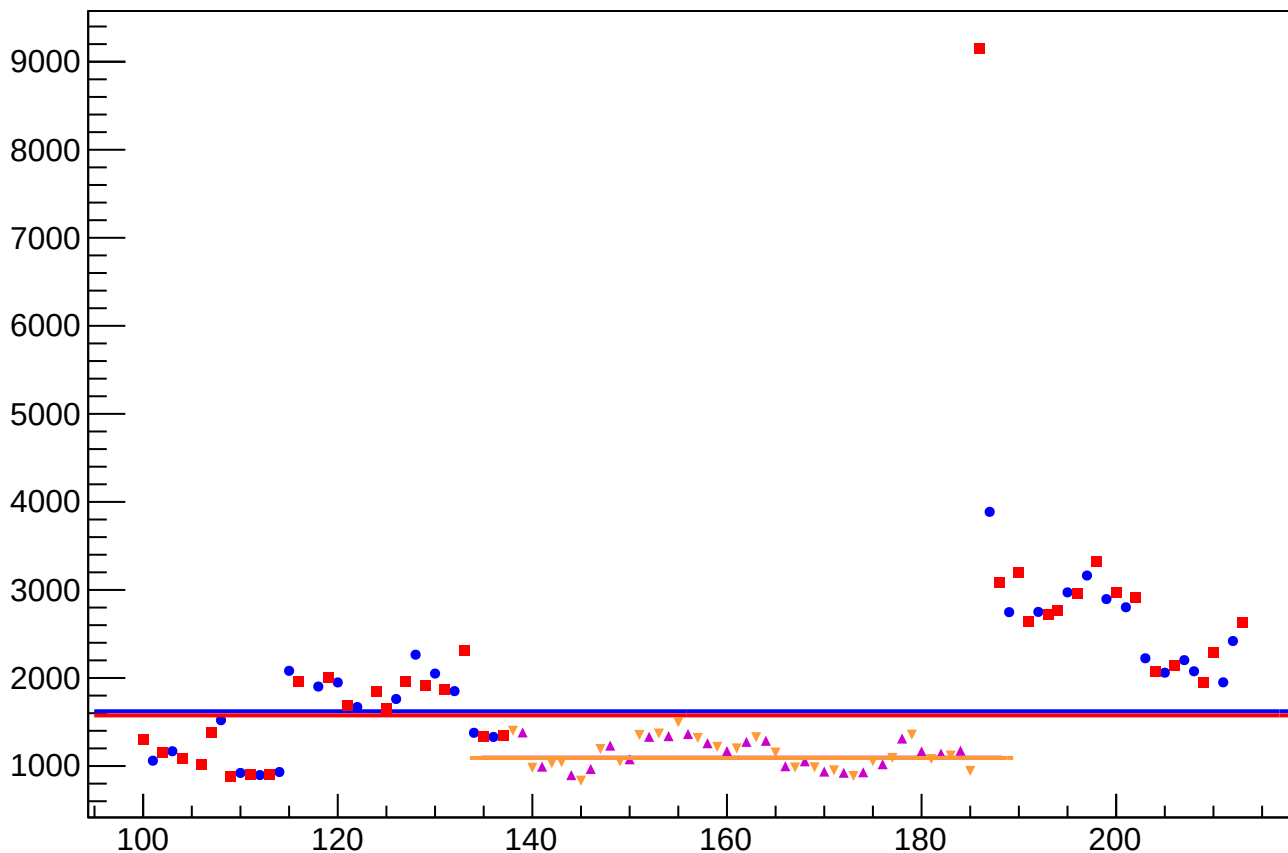
Left In: -193.805 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1133.249 ± 215.876 χ^2/NDF : 93.9/53

All: -870.821 ± 153.157 χ^2/NDF : 170.1/110

- sign -604.863 ± 217.323 χ^2/NDF : 73.2/56

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1621.835+/-0.297 χ^2/NDF : 4715904.8/28

Left Out: 1091.980+/-0.178 χ^2/NDF : 892442.4/24

Right Out: 1574.845+/-0.283 χ^2/NDF : 6772405.7/33

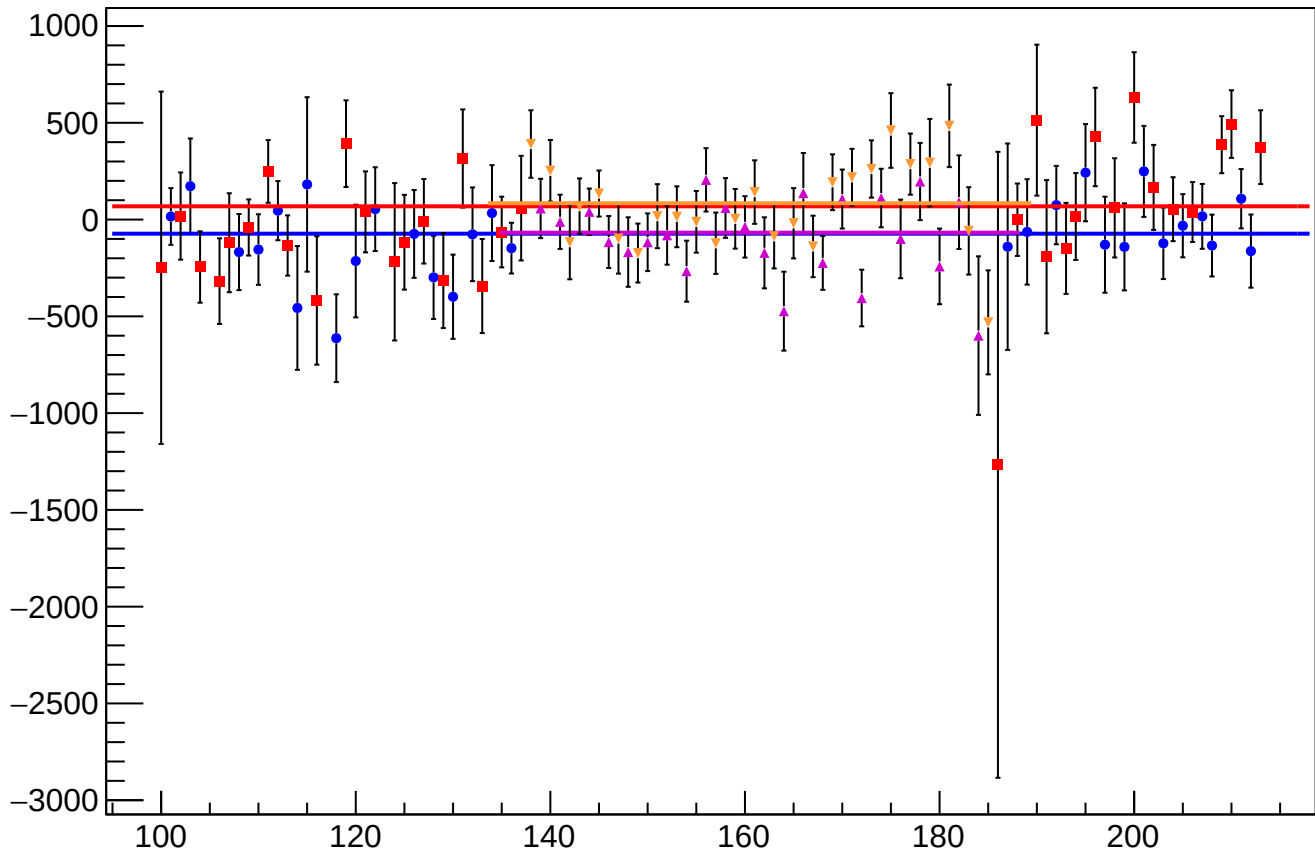
Left In: 1094.478+/-0.183 χ^2/NDF : 732975.2/22

+ sign 1232.280+/-0.153 χ^2/NDF : 7953918.3/53

All: 1234.342+/-0.108 χ^2/NDF : 17493940.7/100

- sign 1236.431+/-0.154 χ^2/NDF : 9539655.1/56

cor_asym_sam_48_avg_mean vs Slug



Right In: -72.971 $\pm$ 37.624 χ^2 /NDF: 20.6/28

Left Out: 84.338 $\pm$ 33.036 χ^2 /NDF: 33.8/24

Right Out: 68.463 $\pm$ 36.873 χ^2 /NDF: 47.0/33

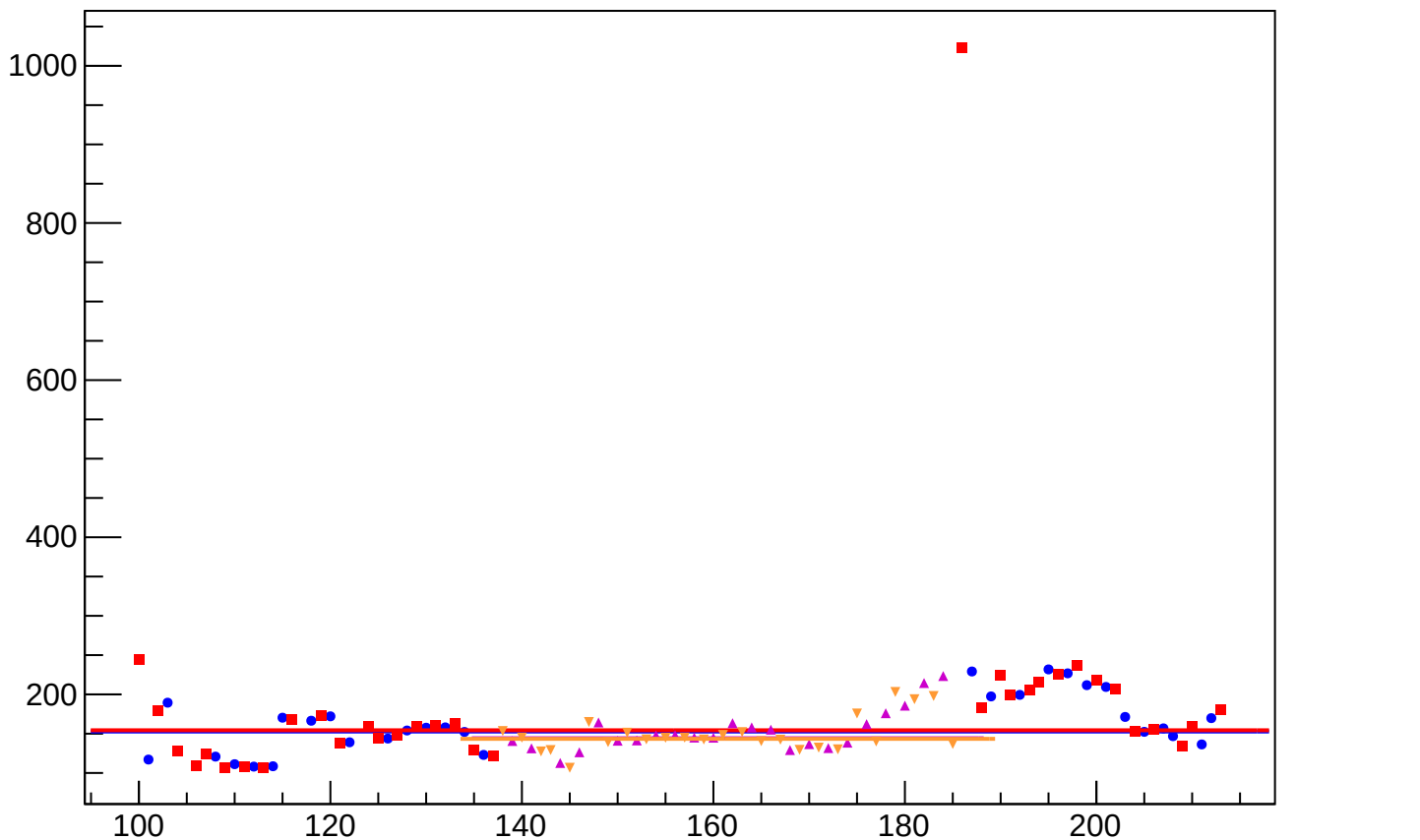
Left In: -67.648 $\pm$ 34.137 χ^2 /NDF: 26.5/22

+ sign 15.856 $\pm$ 24.824 χ^2 /NDF: 64.3/53

All: 5.607 $\pm$ 17.633 χ^2 /NDF: 145.5/110

- sign -4.829 $\pm$ 25.050 χ^2 /NDF: 80.9/56

cor_asym_sam_48_avg_rms vs Slug



Right In: 152.741 $\pm$ 0.027 χ^2 /NDF: 1559371.2/28

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 154.336 $\pm$ 0.026 χ^2 /NDF: 2522478.4/33

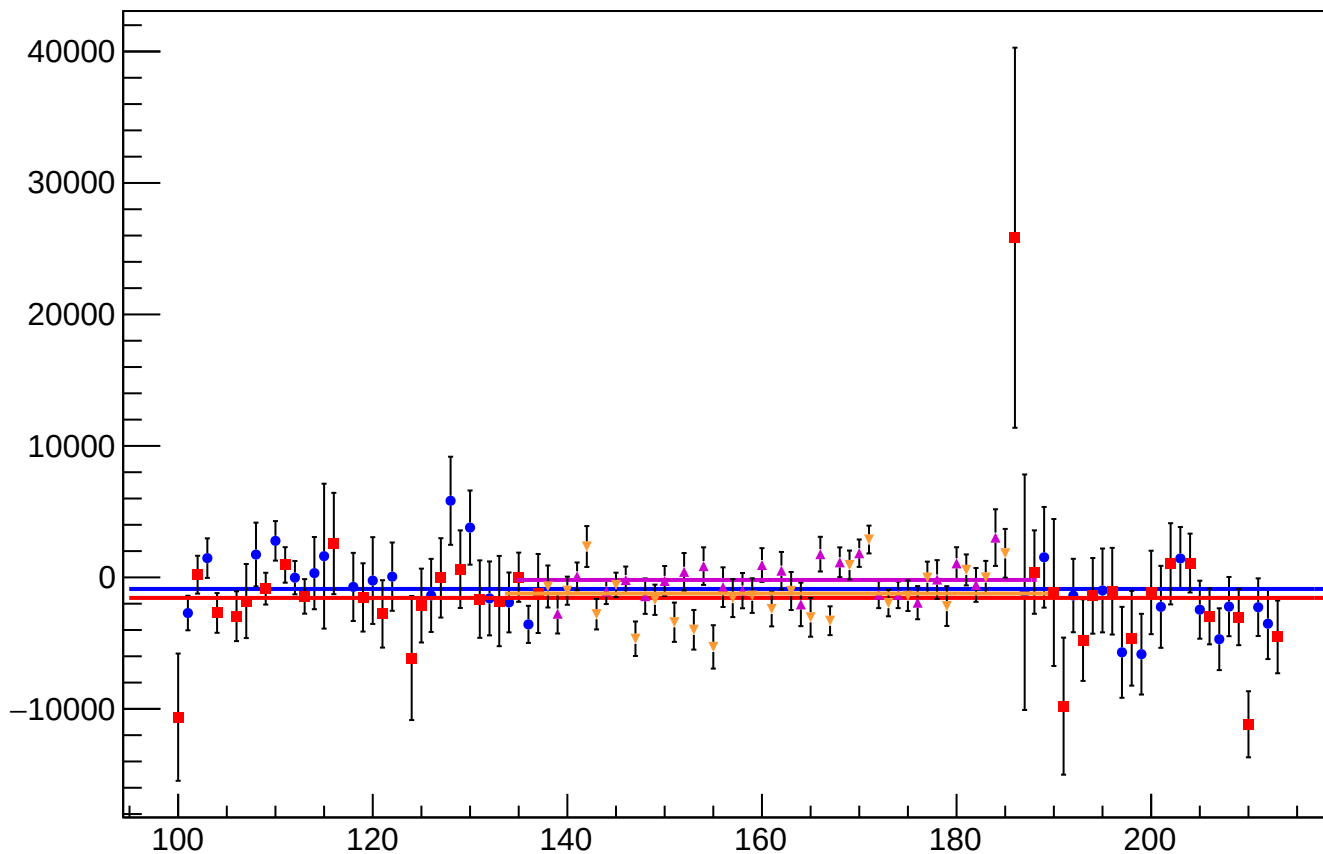
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 147.491 $\pm$ 0.018 χ^2 /NDF: 2375379.6/53

All: 148.171 $\pm$ 0.012 χ^2 /NDF: 5685455.7/110

- sign 148.862 $\pm$ 0.018 χ^2 /NDF: 3307052.7/56

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -878.414 $\pm$ 419.524 χ^2/NDF : 34.2/28

Left Out: -1225.031 $\pm$ 251.767 χ^2/NDF : 59.3/24

Right Out: -1560.457 $\pm$ 400.354 χ^2/NDF : 40.9/33

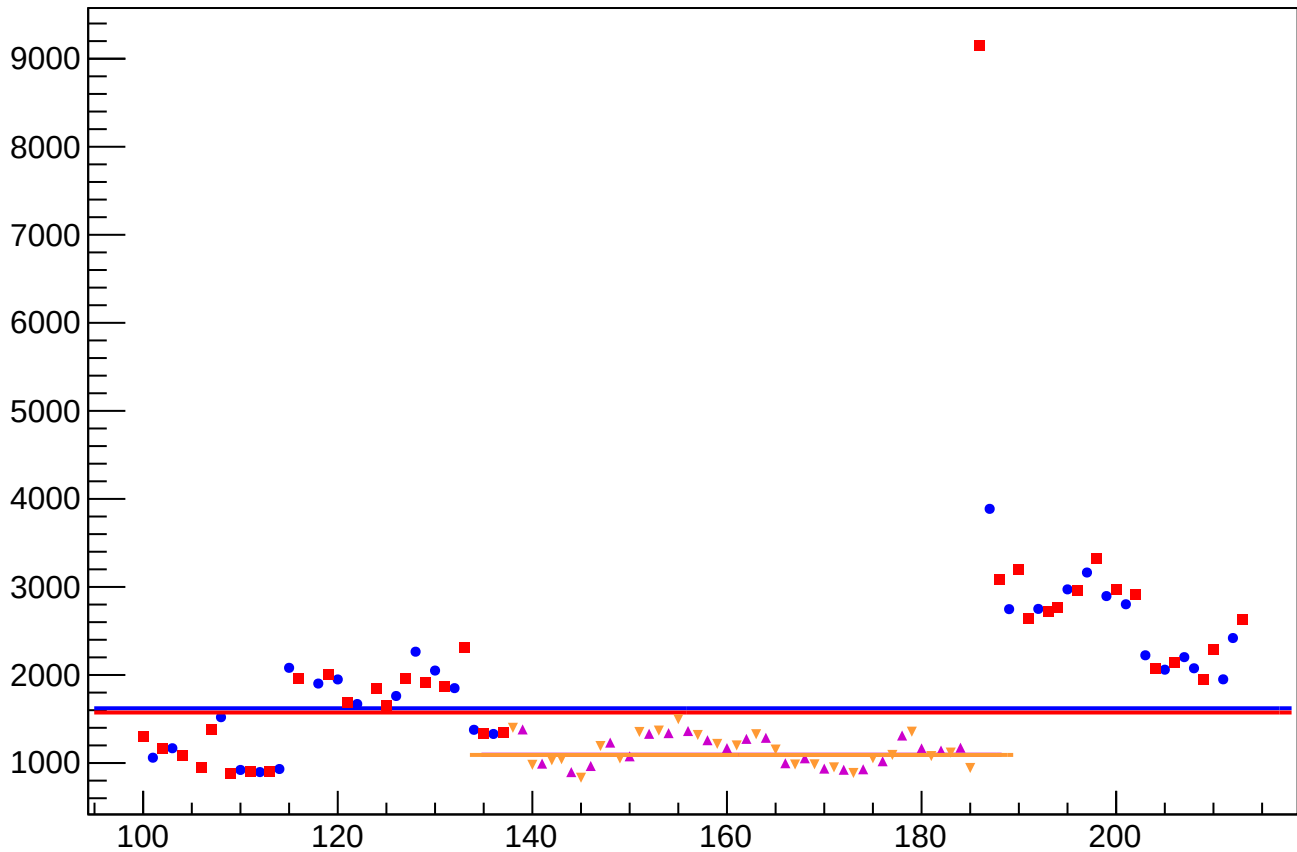
Left In: -193.808 $\pm$ 258.922 χ^2/NDF : 23.3/22

+ sign -1133.251 $\pm$ 215.877 χ^2/NDF : 93.9/53

All: -866.955 $\pm$ 153.189 χ^2/NDF : 169.4/110

- sign -596.850 $\pm$ 217.415 χ^2/NDF : 72.4/56

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1621.849 $\pm$ 0.297 χ^2 /NDF: 4715791.3/28

Left Out: 1091.979 $\pm$ 0.178 χ^2 /NDF: 892441.9/24

Right Out: 1573.723 $\pm$ 0.283 χ^2 /NDF: 6801517.5/33

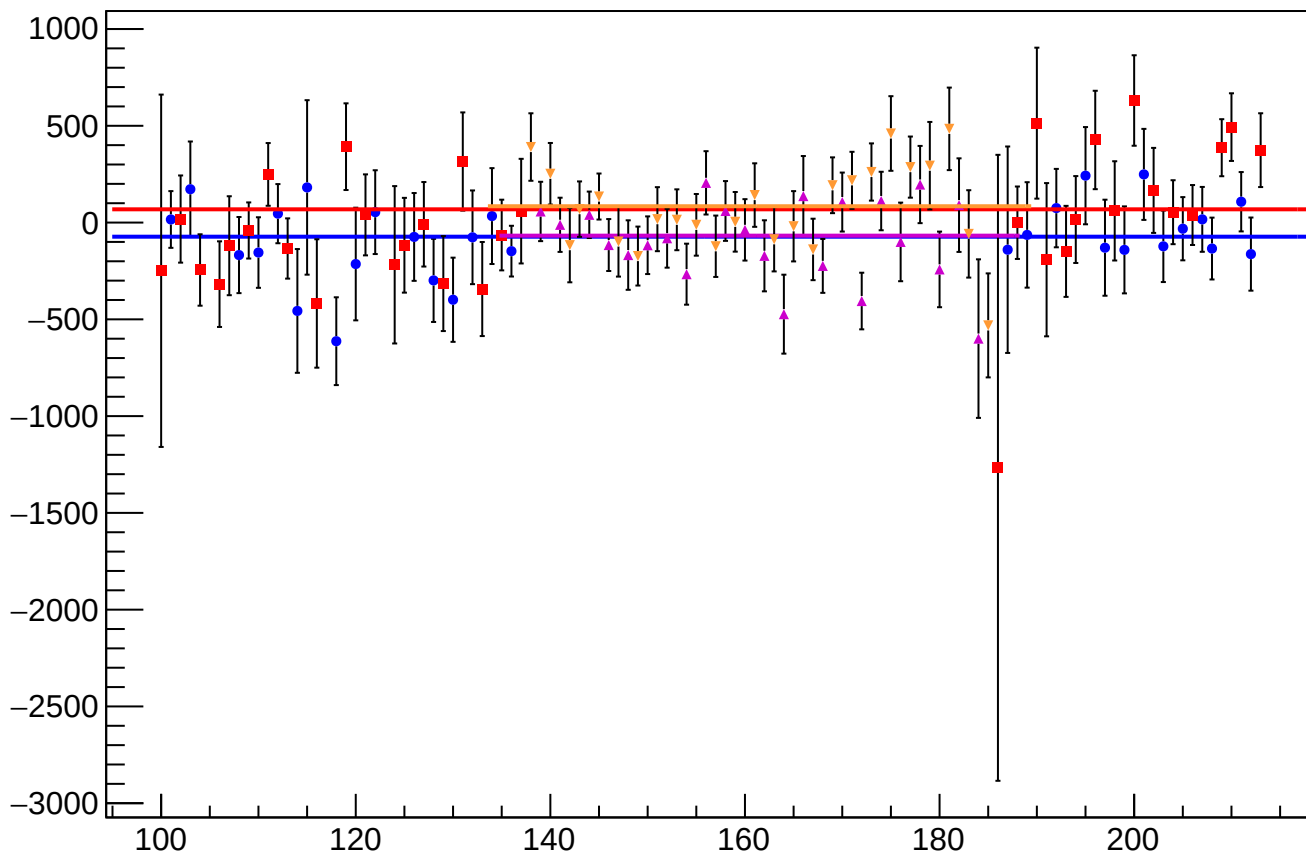
Left In: 1094.479 $\pm$ 0.183 χ^2 /NDF: 732975.7/22

+ sign 1232.282 $\pm$ 0.153 χ^2 /NDF: 7953906.6/53

All: 1234.035 $\pm$ 0.108 χ^2 /NDF: 17509355.9/100

- sign 1235.814 $\pm$ 0.154 χ^2 /NDF: 9555183.7/56

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -72.971 ± 37.624 χ^2/NDF : 20.6/28

Left Out: 84.338 ± 33.036 χ^2/NDF : 33.8/24

Right Out: 68.463 ± 36.873 χ^2/NDF : 47.0/33

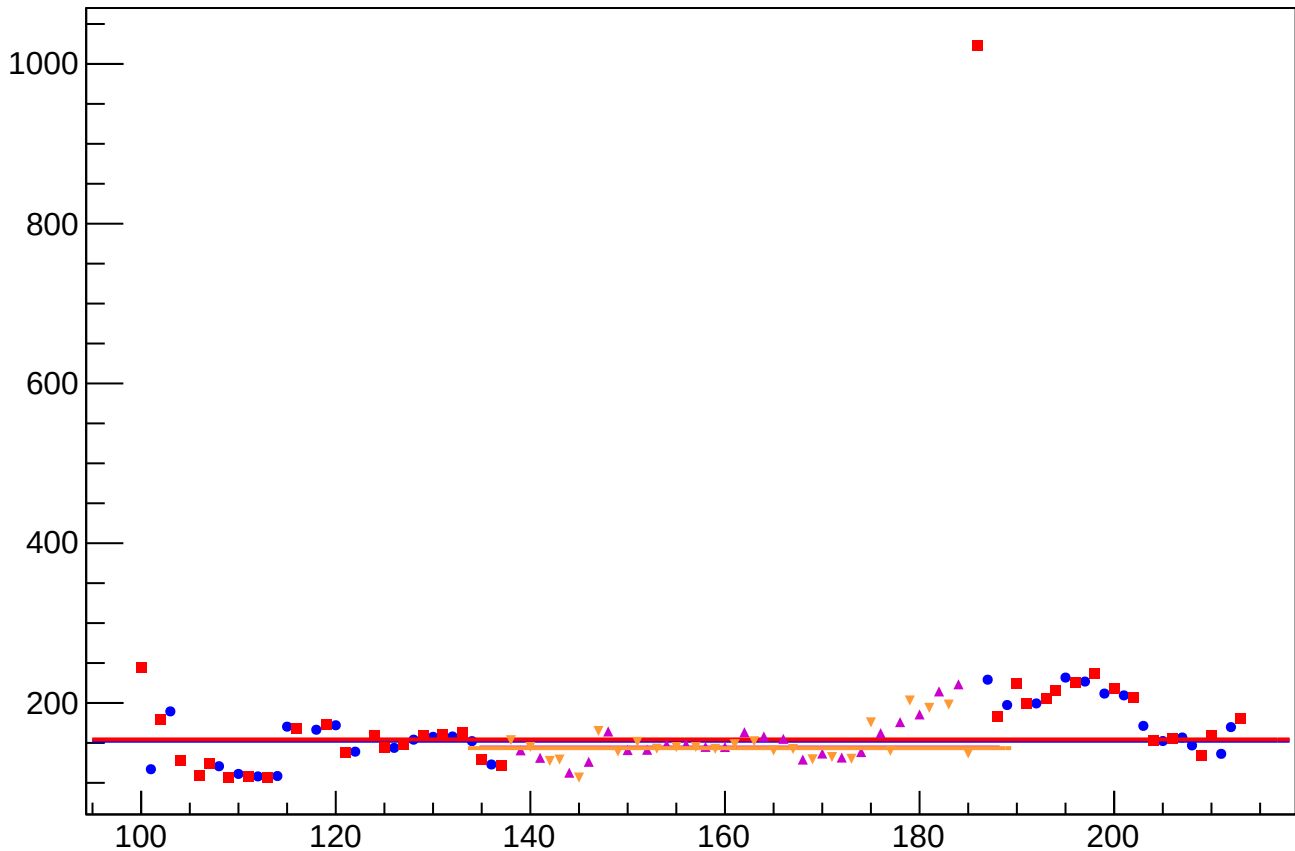
Left In: -67.648 ± 34.137 χ^2/NDF : 26.5/22

+ sign 15.856 ± 24.824 χ^2/NDF : 64.3/53

All: 5.607 ± 17.633 χ^2/NDF : 145.5/110

- sign -4.829 ± 25.050 χ^2/NDF : 80.9/56

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 152.741 $\pm$ 0.027 χ^2 /NDF: 1559371.2/28

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 154.336 $\pm$ 0.026 χ^2 /NDF: 2522478.4/33

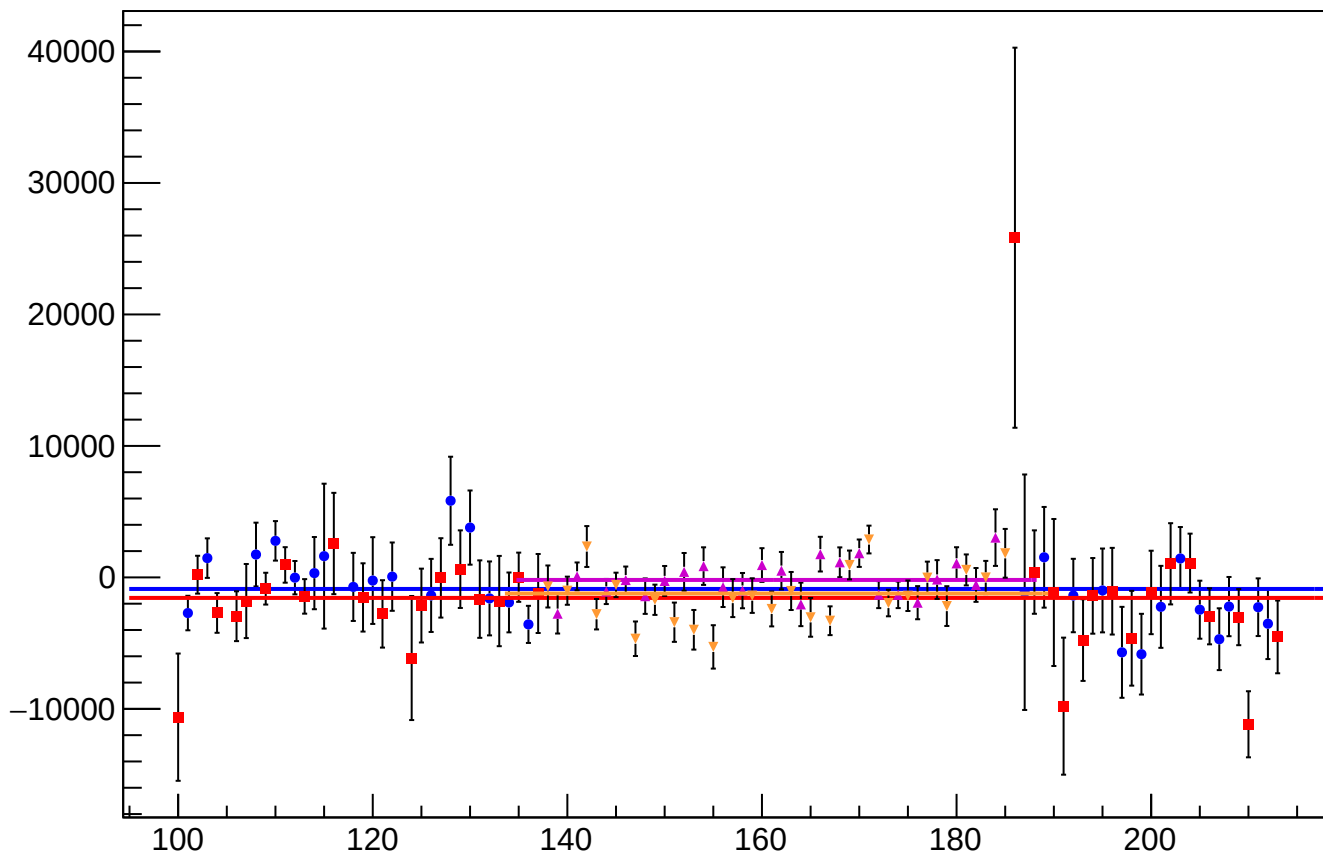
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 147.491 $\pm$ 0.018 χ^2 /NDF: 2375379.6/53

All: 148.171 $\pm$ 0.012 χ^2 /NDF: 5685455.7/110

- sign 148.862 $\pm$ 0.018 χ^2 /NDF: 3307052.7/56

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -878.414 $\pm$ 419.524 χ^2 /NDF: 34.2/28

Left Out: -1225.031 $\pm$ 251.767 χ^2 /NDF: 59.3/24

Right Out: -1560.457 $\pm$ 400.354 χ^2 /NDF: 40.9/33

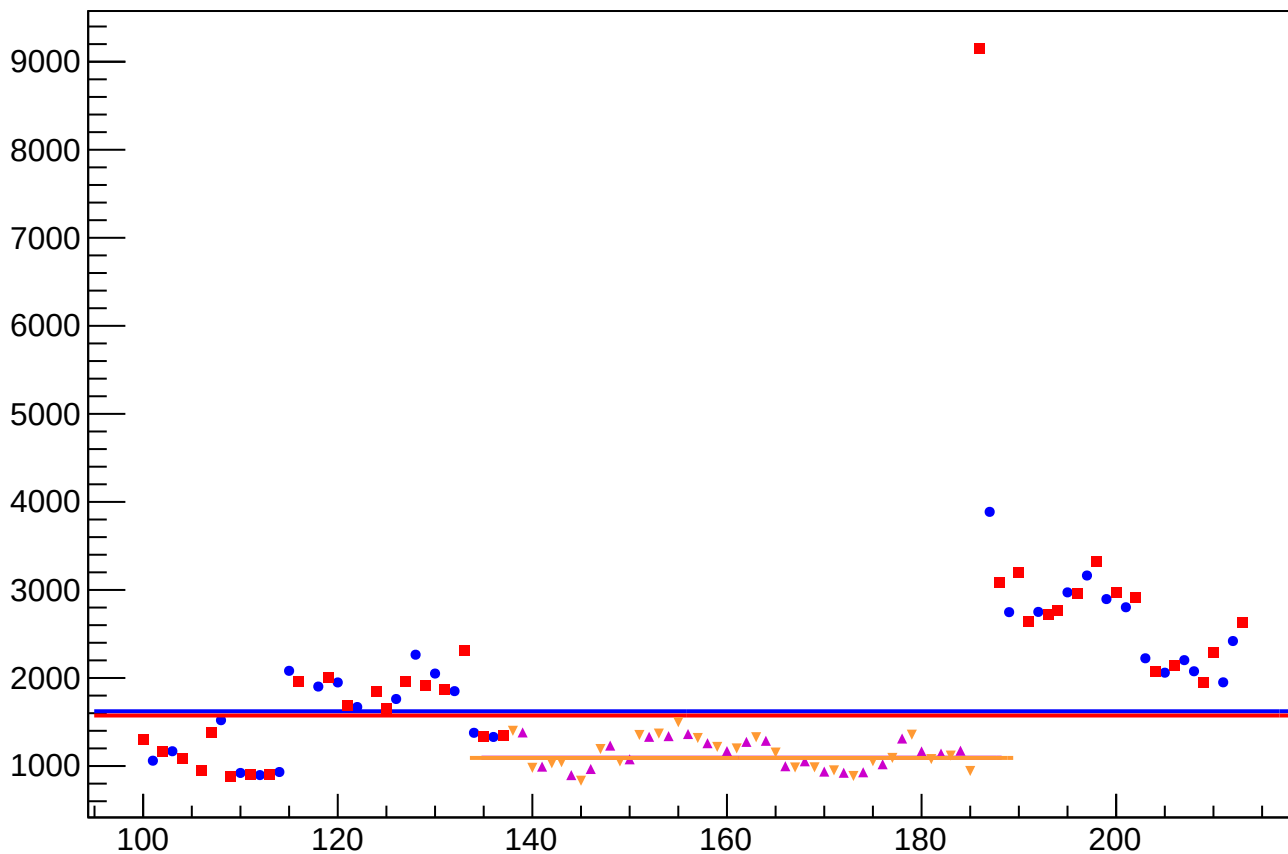
Left In: -193.808 $\pm$ 258.922 χ^2 /NDF: 23.3/22

+ sign -1133.251 $\pm$ 215.877 χ^2 /NDF: 93.9/53

All: -866.955 $\pm$ 153.189 χ^2 /NDF: 169.4/110

- sign -596.850 $\pm$ 217.415 χ^2 /NDF: 72.4/56

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1621.849+/-0.297 χ^2/NDF : 4715791.3/28

Left Out: 1091.979+/-0.178 χ^2/NDF : 892441.9/24

Right Out: 1573.723+/-0.283 χ^2/NDF : 6801517.5/33

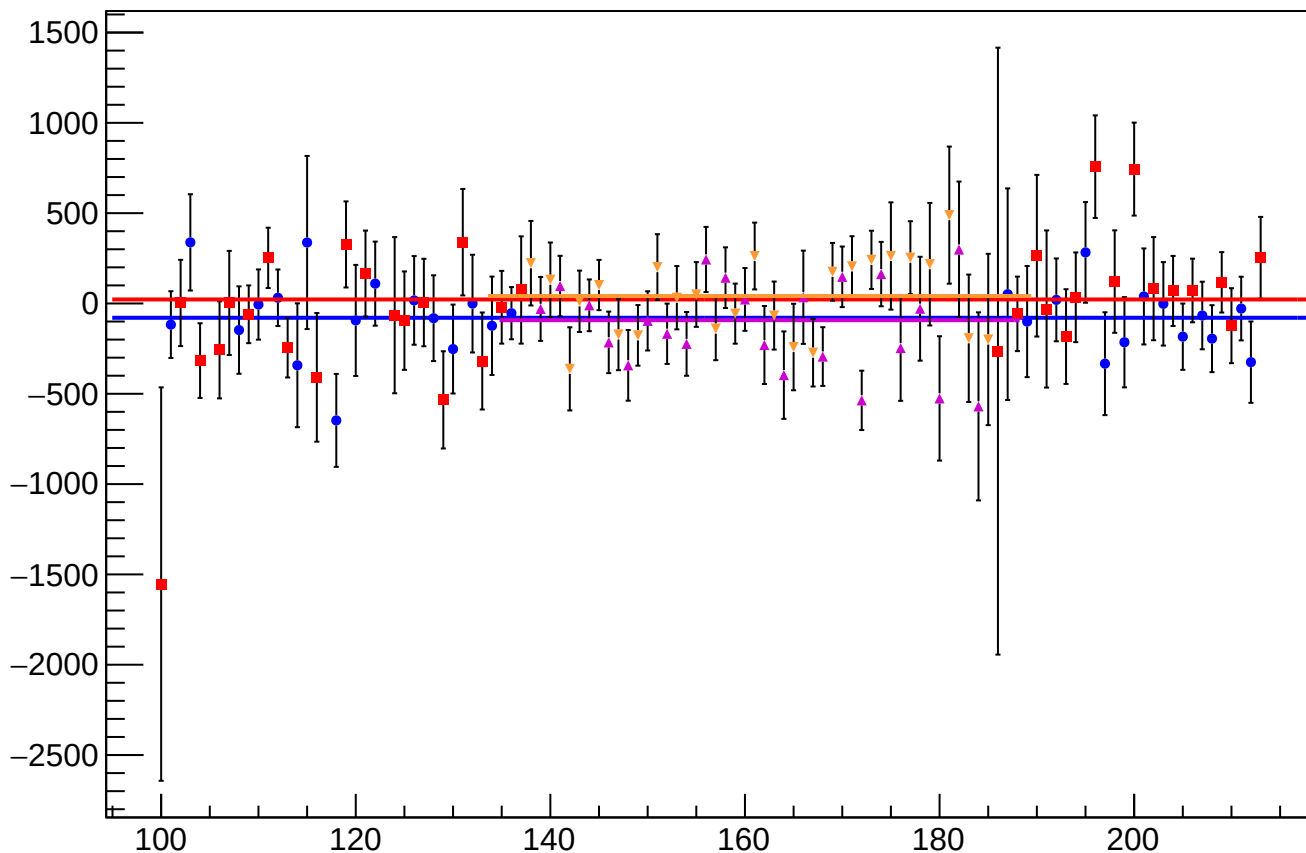
Left In: 1094.479+/-0.183 χ^2/NDF : 732975.7/22

+ sign 1232.282+/-0.153 χ^2/NDF : 7953906.6/53

All: 1234.035+/-0.108 χ^2/NDF : 17509355.9/100

- sign 1235.814+/-0.154 χ^2/NDF : 9555183.7/56

dit_asym_sam_48_avg_mean vs Slug



Right In: -79.217 $\pm$ 42.385 χ^2/NDF : 16.2/28

Left Out: 41.086 $\pm$ 39.177 χ^2/NDF : 22.3/24

Right Out: 22.198 $\pm$ 41.234 χ^2/NDF : 39.3/33

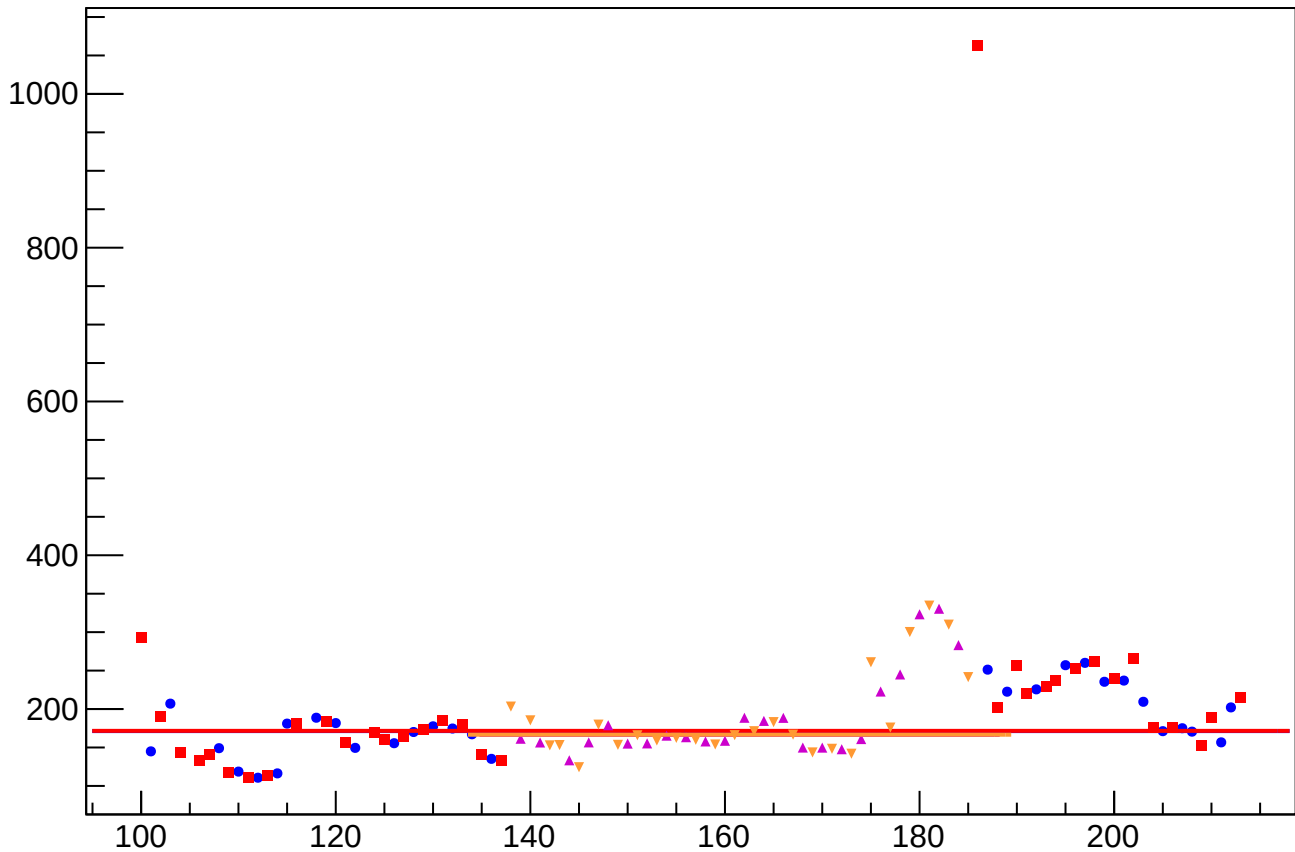
Left In: -92.556 $\pm$ 40.165 χ^2/NDF : 29.5/22

+ sign -14.341 $\pm$ 28.770 χ^2/NDF : 42.9/53

All: -25.512 $\pm$ 20.344 χ^2/NDF : 115.9/110

- sign -36.685 $\pm$ 28.771 χ^2/NDF : 72.8/56

dit_asym_sam_48_avg_rms vs Slug



Right In: 171.322+/-0.030 χ^2/NDF : 1705675.8/28

Left Out: 166.599+/-0.028 χ^2/NDF : 1719835.6/24

Right Out: 171.621+/-0.029 χ^2/NDF : 2757446.7/33

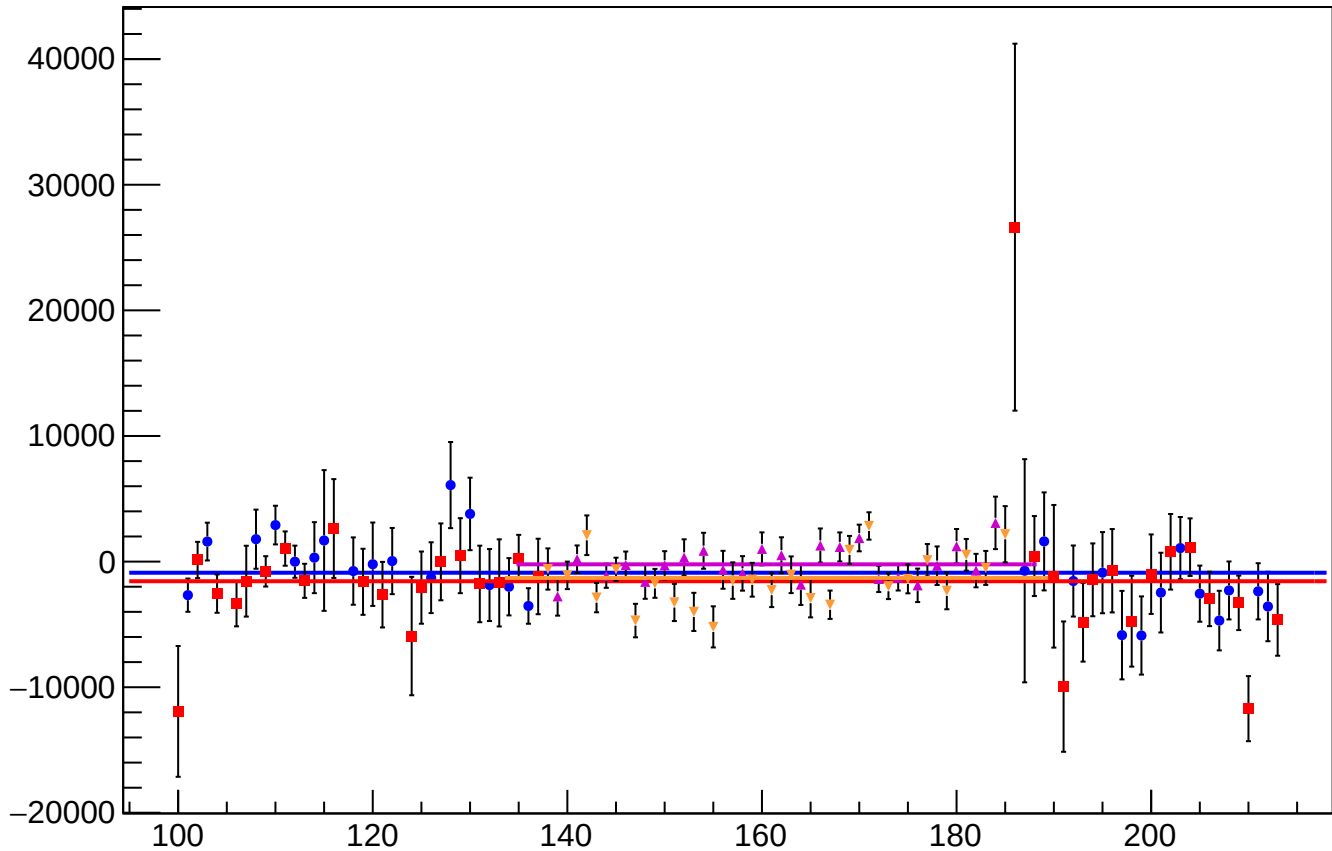
Left In: 166.308+/-0.028 χ^2/NDF : 1392466.3/22

+ sign 168.775+/-0.020 χ^2/NDF : 3438905.2/53

All: 168.835+/-0.014 χ^2/NDF : 7605871.6/110

- sign 168.895+/-0.020 χ^2/NDF : 4166949.0/56

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -885.210 ± 424.680 χ^2/NDF : 34.4/28

Left Out: -1298.333 ± 256.961 χ^2/NDF : 55.1/24

Right Out: -1562.225 ± 403.862 χ^2/NDF : 42.9/33

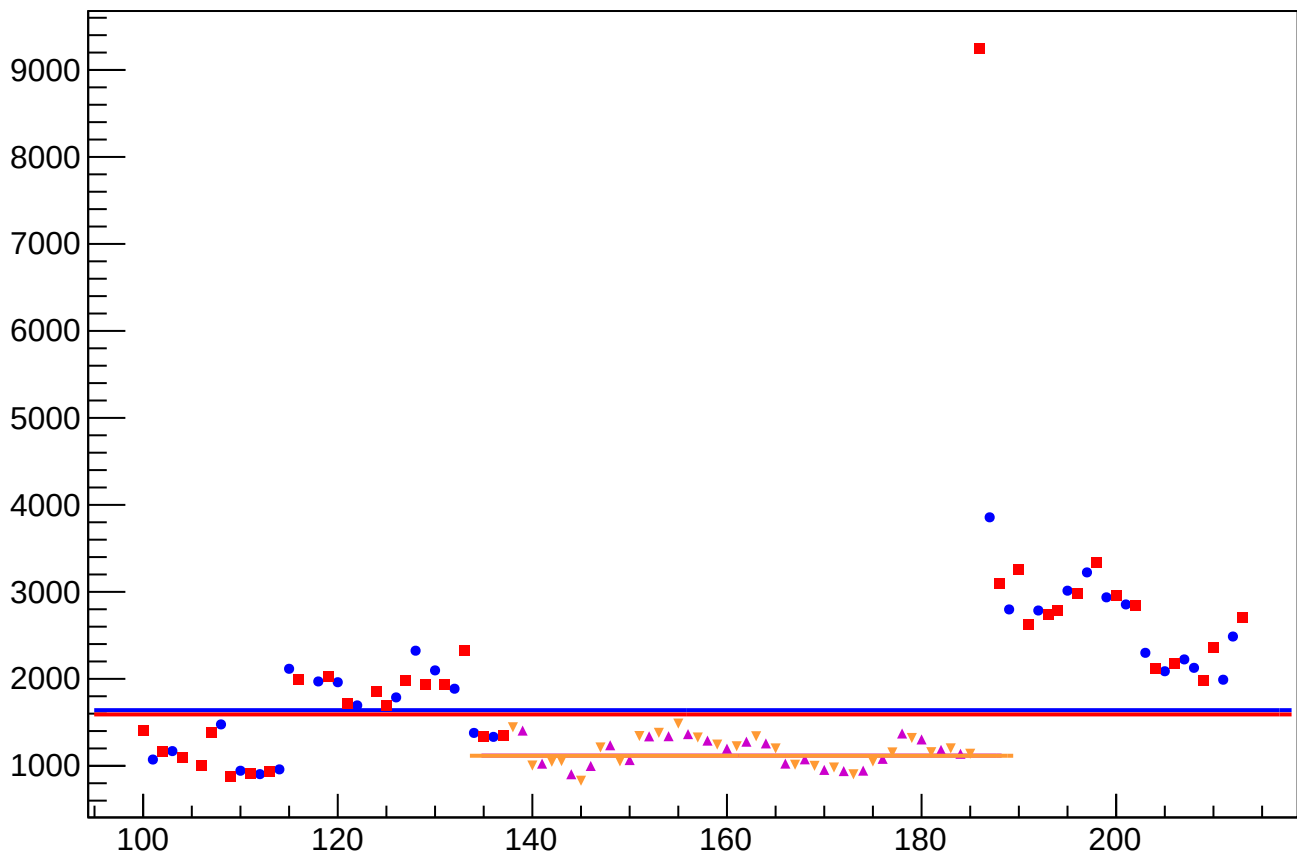
Left In: -217.285 ± 264.388 χ^2/NDF : 22.2/22

+ sign -1187.618 ± 219.849 χ^2/NDF : 90.2/53

All: -905.931 ± 155.933 χ^2/NDF : 166.4/110

- sign -620.764 ± 221.203 χ^2/NDF : 72.9/56

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1640.169+/-0.300 χ^2/NDF : 4798118.9/28

Left Out: 1116.034+/-0.182 χ^2/NDF : 867489.3/24

Right Out: 1591.074+/-0.286 χ^2/NDF : 6788617.2/33

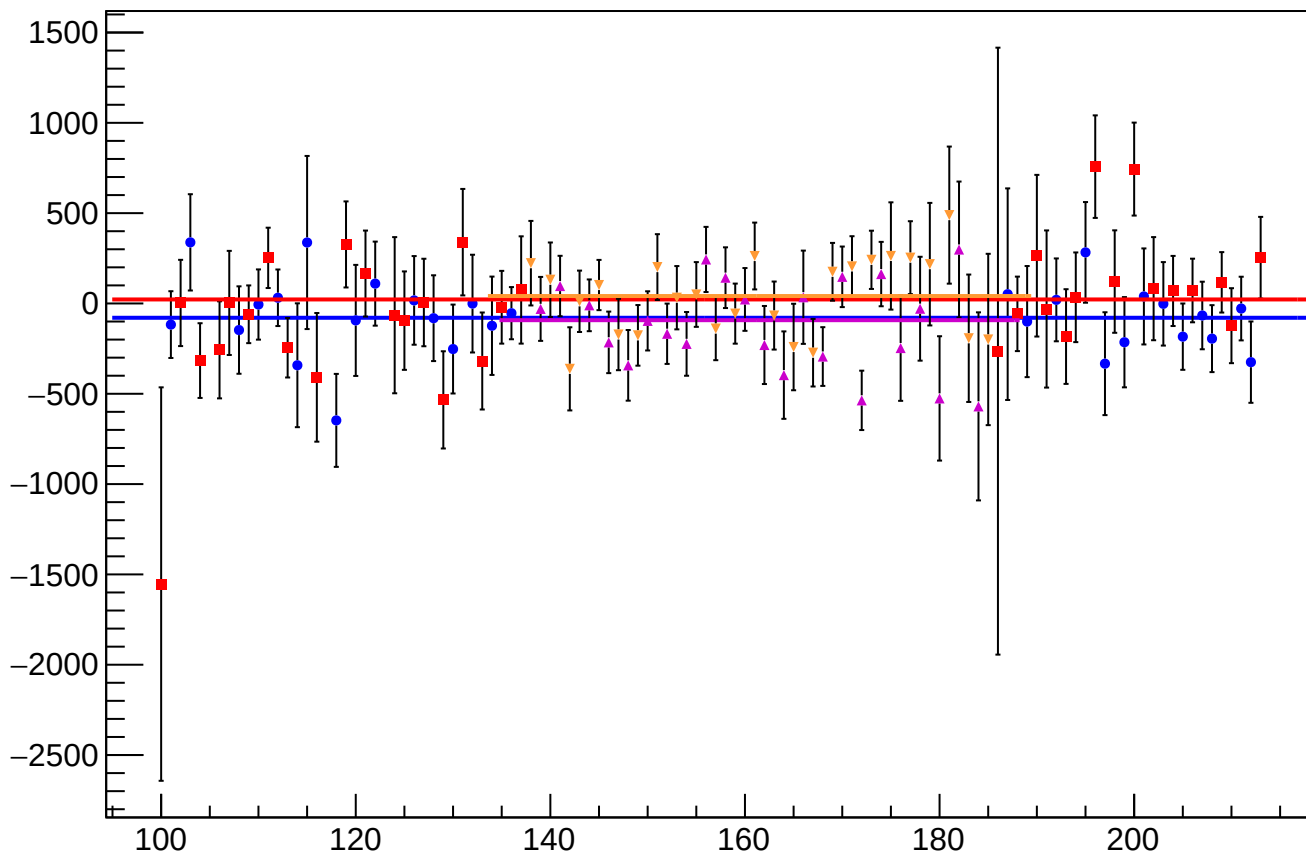
Left In: 1117.831+/-0.187 χ^2/NDF : 729387.1/22

+ sign 1256.499+/-0.155 χ^2/NDF : 7895624.8/53

All: 1258.141+/-0.110 χ^2/NDF : 17336202.6/100

- sign 1259.803+/-0.156 χ^2/NDF : 9440353.4/56

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -79.214 ± 42.385 χ^2/NDF : 16.2/28

Left Out: 41.088 ± 39.177 χ^2/NDF : 22.3/24

Right Out: 22.200 ± 41.234 χ^2/NDF : 39.3/33

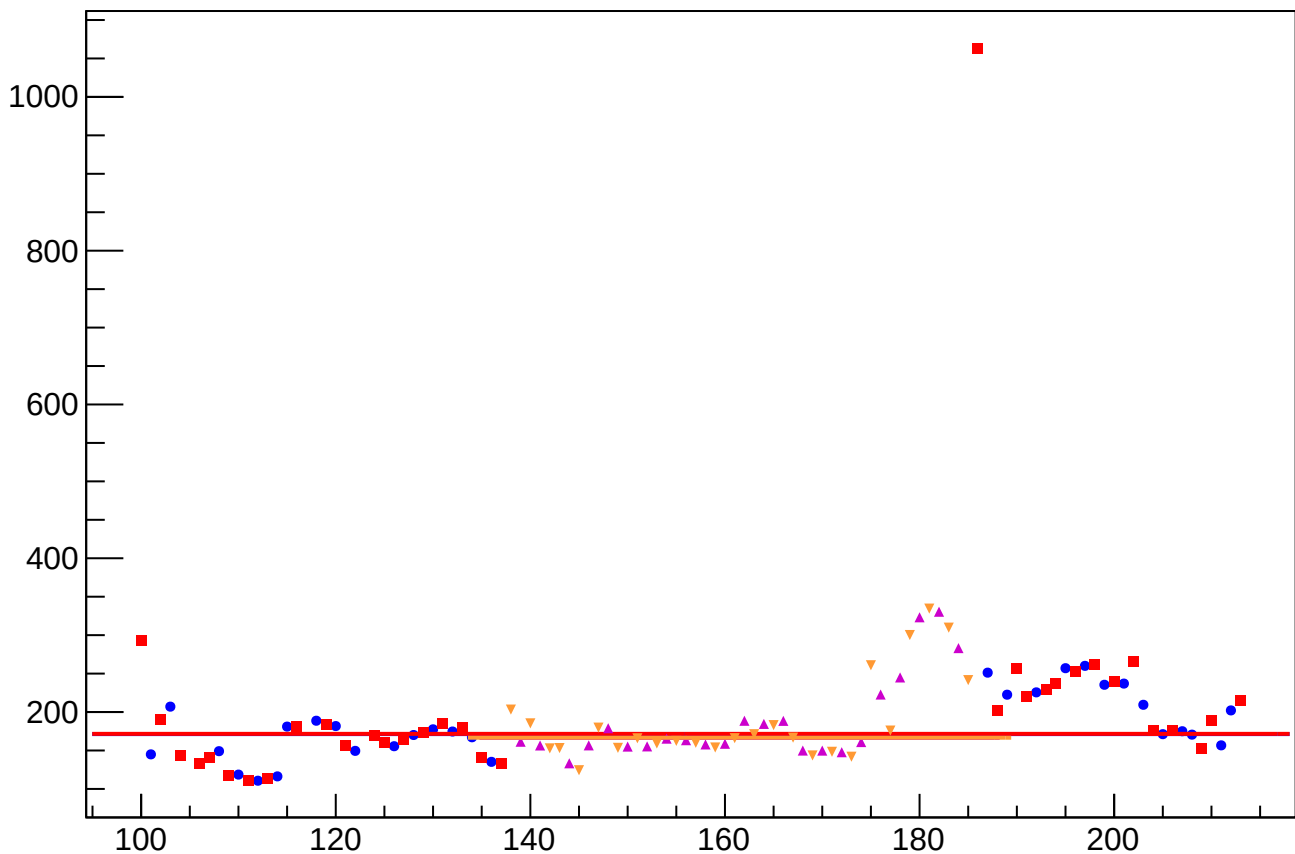
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign -14.339 ± 28.770 χ^2/NDF : 42.9/53

All: -25.510 ± 20.344 χ^2/NDF : 115.9/110

- sign -36.684 ± 28.772 χ^2/NDF : 72.8/56

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 171.322+/-0.030 χ^2/NDF : 1705660.8/28

Left Out: 166.599+/-0.028 χ^2/NDF : 1719829.4/24

Right Out: 171.621+/-0.029 χ^2/NDF : 2757448.8/33

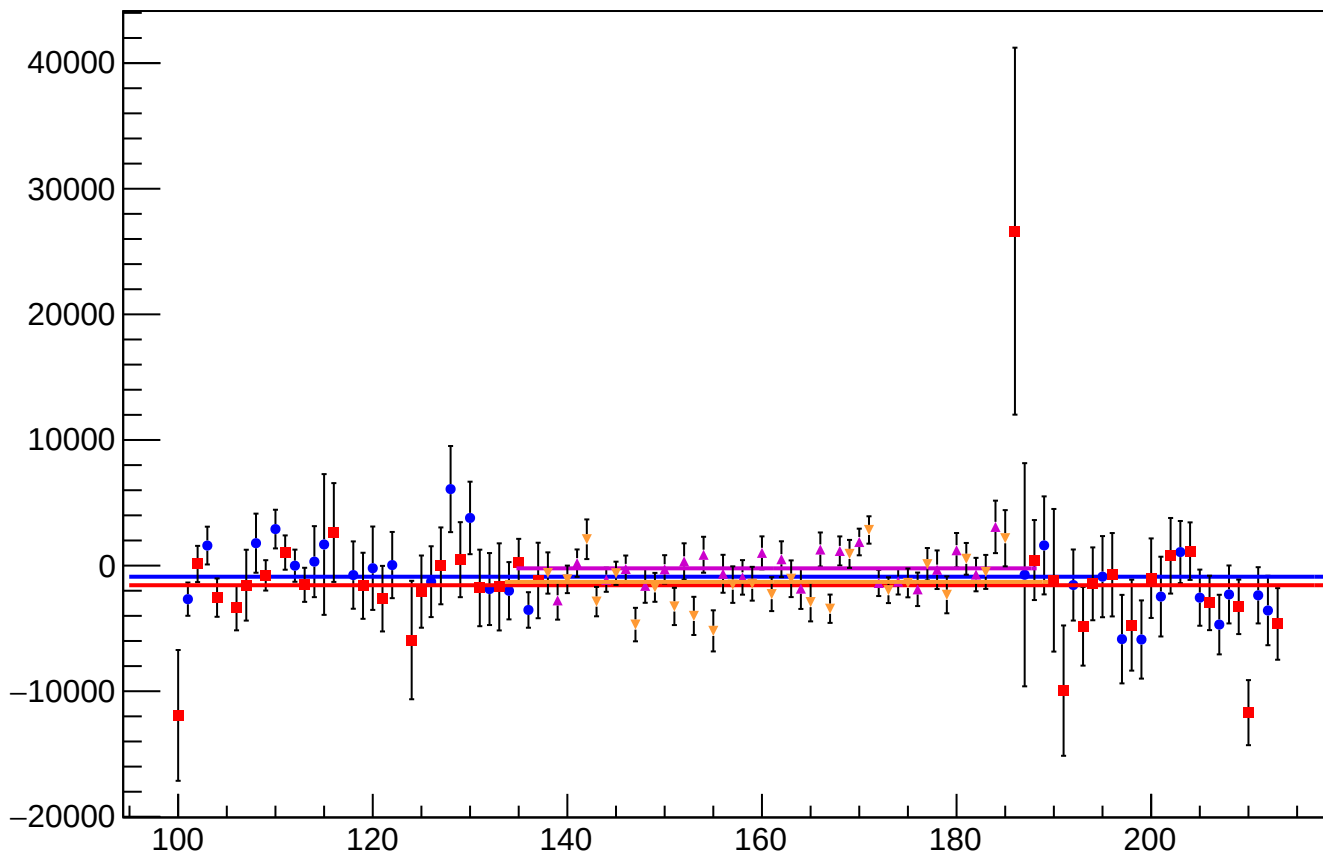
Left In: 166.308+/-0.028 χ^2/NDF : 1392446.1/22

+ sign 168.775+/-0.020 χ^2/NDF : 3438882.4/53

All: 168.835+/-0.014 χ^2/NDF : 7605828.7/110

- sign 168.895+/-0.020 χ^2/NDF : 4166928.9/56

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -885.208 ± 424.679 χ^2/NDF : 34.4/28

Left Out: -1298.330 ± 256.961 χ^2/NDF : 55.1/24

Right Out: -1562.222 ± 403.861 χ^2/NDF : 42.9/33

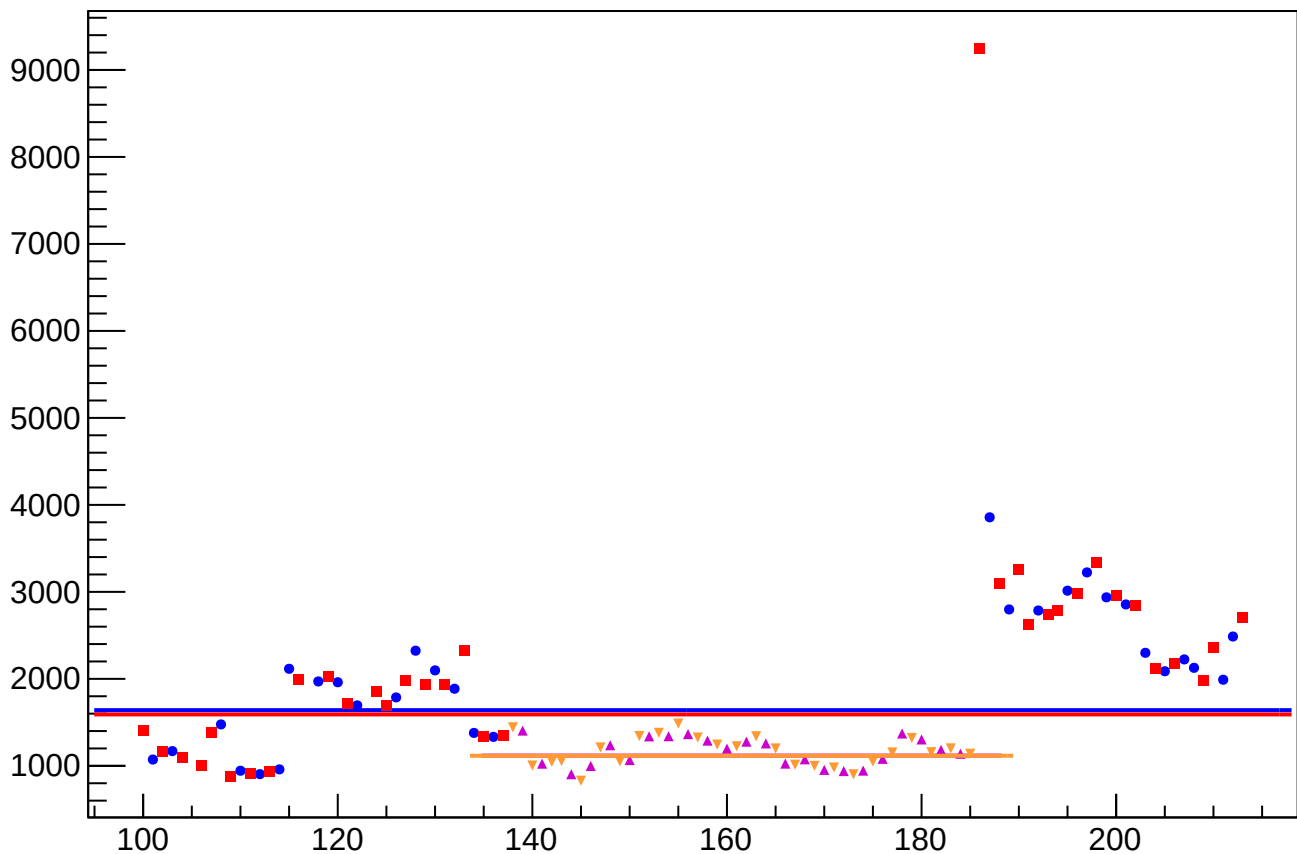
Left In: -217.283 ± 264.388 χ^2/NDF : 22.2/22

+ sign -1187.616 ± 219.849 χ^2/NDF : 90.2/53

All: -905.929 ± 155.933 χ^2/NDF : 166.4/110

- sign -620.761 ± 221.203 χ^2/NDF : 72.9/56

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1640.167+/-0.300 χ^2/NDF : 4798122.6/28

Left Out: 1116.032+/-0.182 χ^2/NDF : 867491.2/24

Right Out: 1591.072+/-0.286 χ^2/NDF : 6788617.2/33

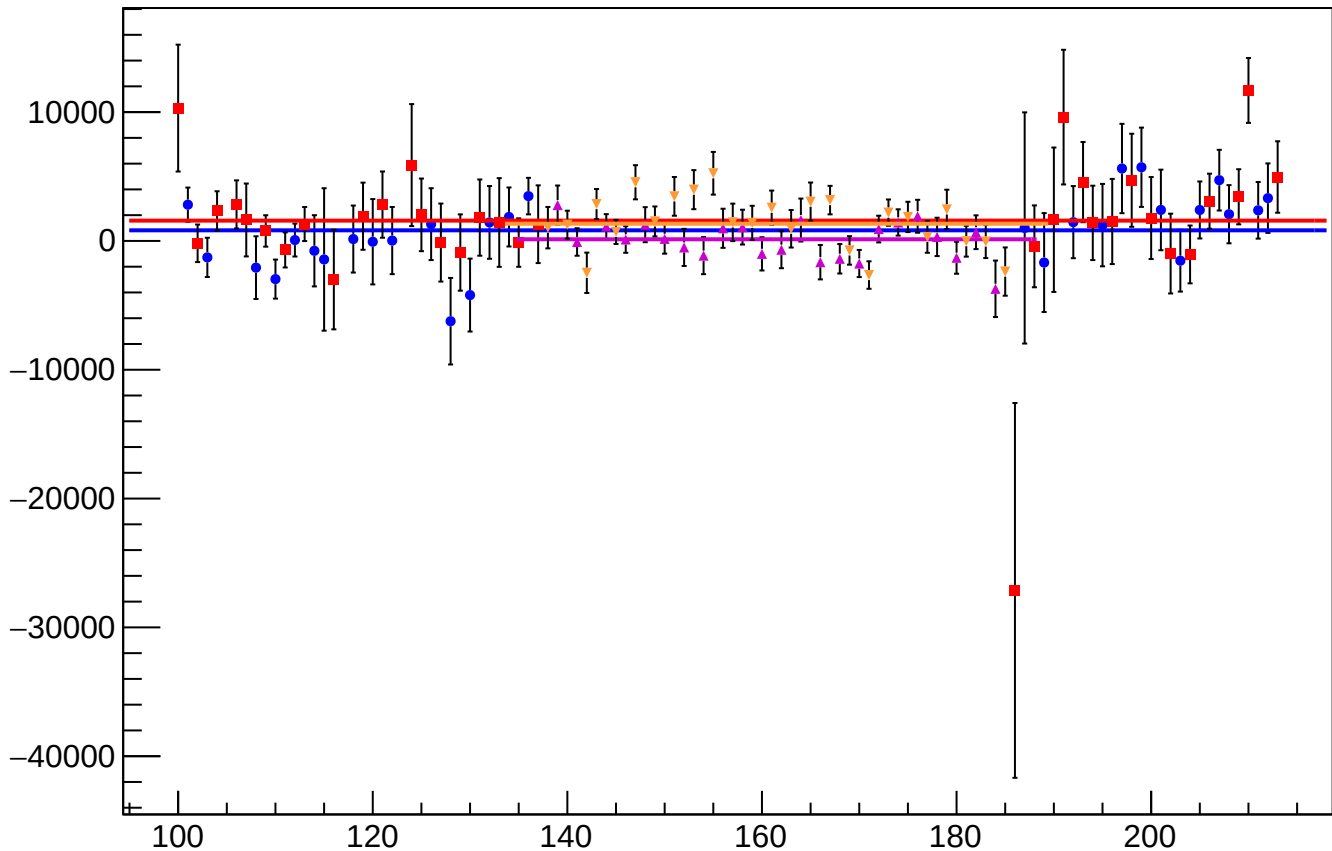
Left In: 1117.829+/-0.187 χ^2/NDF : 729386.0/22

+ sign 1256.497+/-0.155 χ^2/NDF : 7895638.6/53

All: 1258.139+/-0.110 χ^2/NDF : 17336222.5/100

- sign 1259.801+/-0.156 χ^2/NDF : 9440359.4/56

asym_sam_48_avg_mean vs Slug



Right In: 823.175 ± 422.044 χ^2/NDF : 35.3/28

Left Out: 1334.704 ± 254.187 χ^2/NDF : 55.7/24

Right Out: 1576.799 ± 402.312 χ^2/NDF : 42.1/33

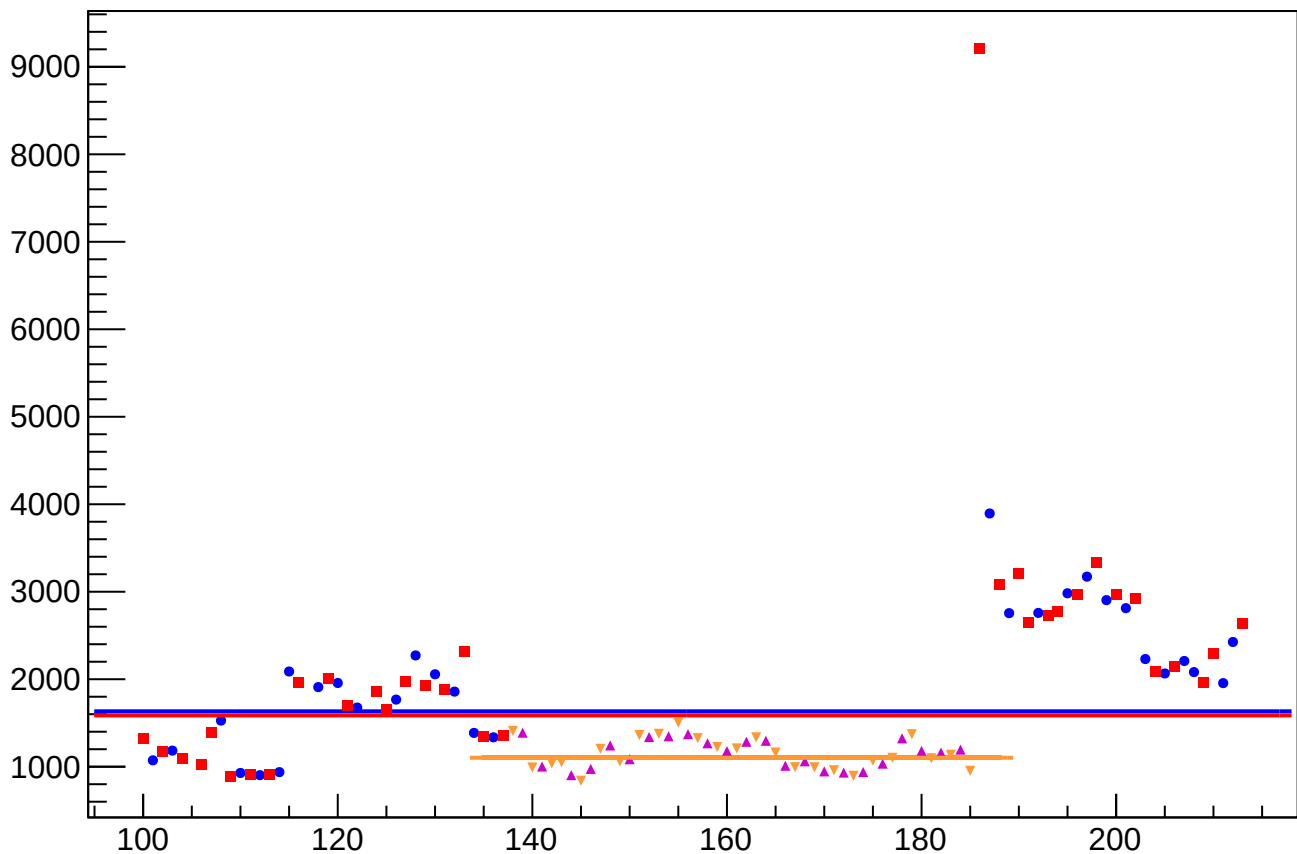
Left In: 128.368 ± 261.415 χ^2/NDF : 24.0/22

+ sign 1198.544 ± 217.745 χ^2/NDF : 92.1/53

All: 880.594 ± 154.482 χ^2/NDF : 171.6/110

- sign 558.368 ± 219.204 χ^2/NDF : 75.2/56

asym_sam_48_avg_rms vs Slug



Right In: 1633.220+/-0.298 χ^2/NDF : 4655758.5/28

Left Out: 1102.700+/-0.180 χ^2/NDF : 880468.6/24

Right Out: 1586.314+/-0.284 χ^2/NDF : 6705198.2/33

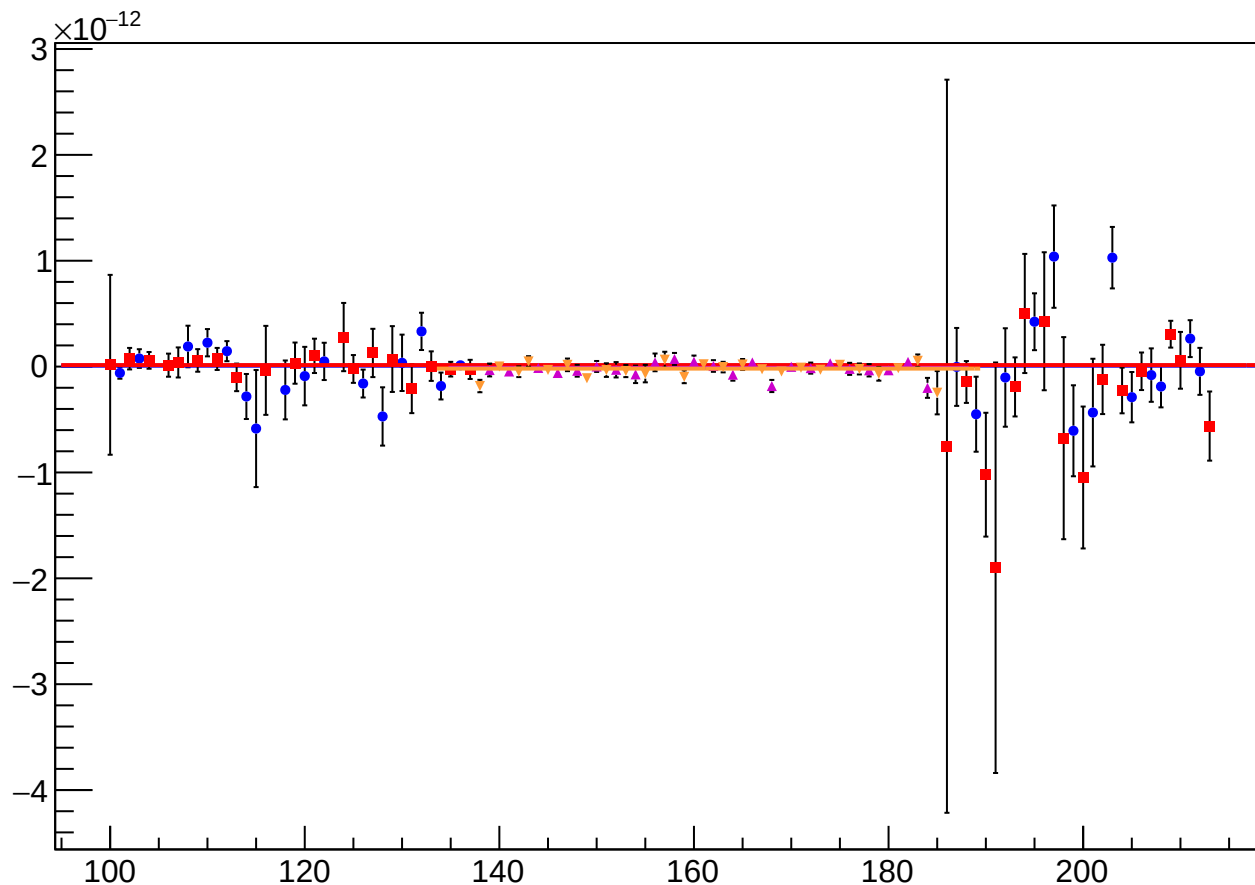
Left In: 1105.200+/-0.185 χ^2/NDF : 723304.5/22

+ sign 1243.915+/-0.154 χ^2/NDF : 7855256.0/53

All: 1245.959+/-0.109 χ^2/NDF : 17295218.4/100

- sign 1248.029+/-0.155 χ^2/NDF : 9439607.8/56

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.9/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.3/33

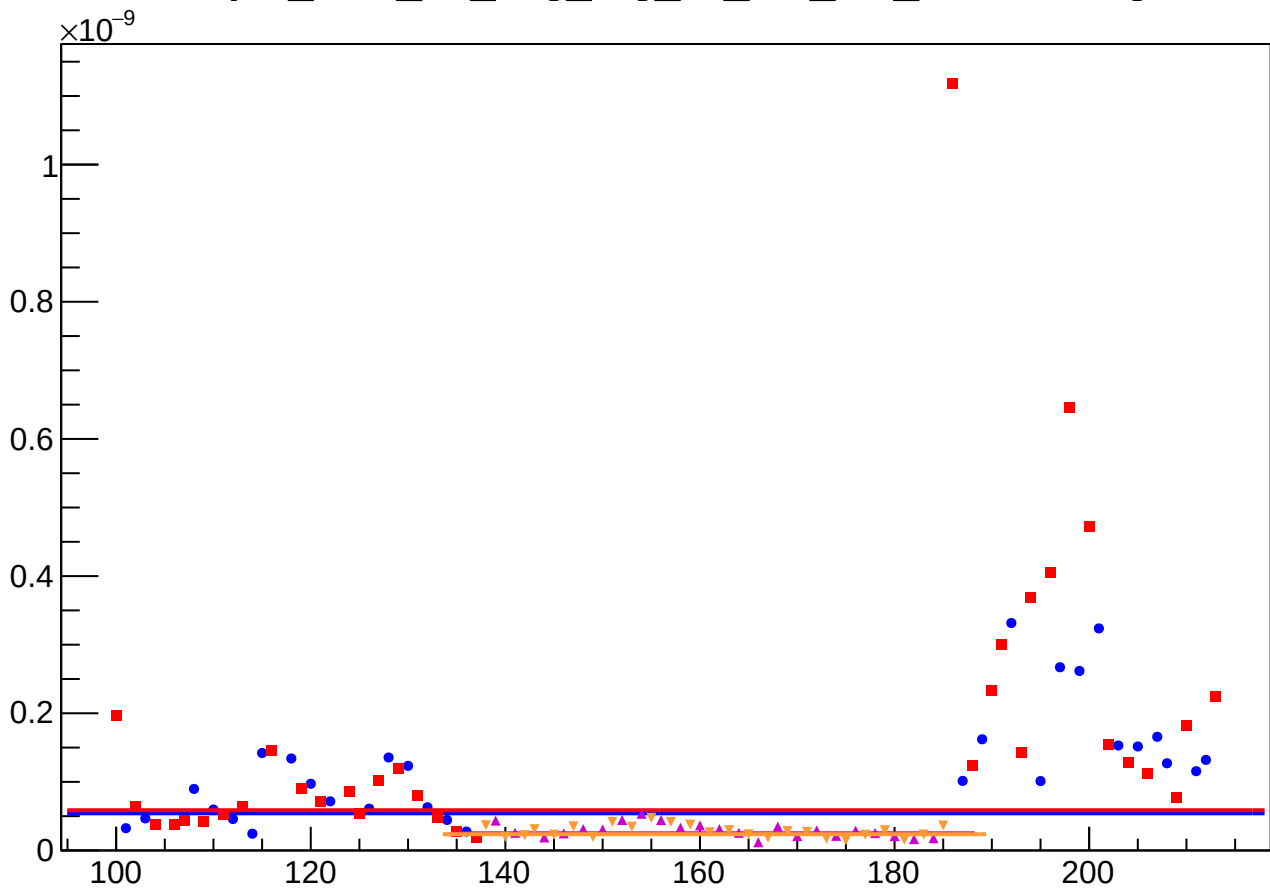
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 78.5/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 131.0/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/56

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5861884.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6531696.7/33

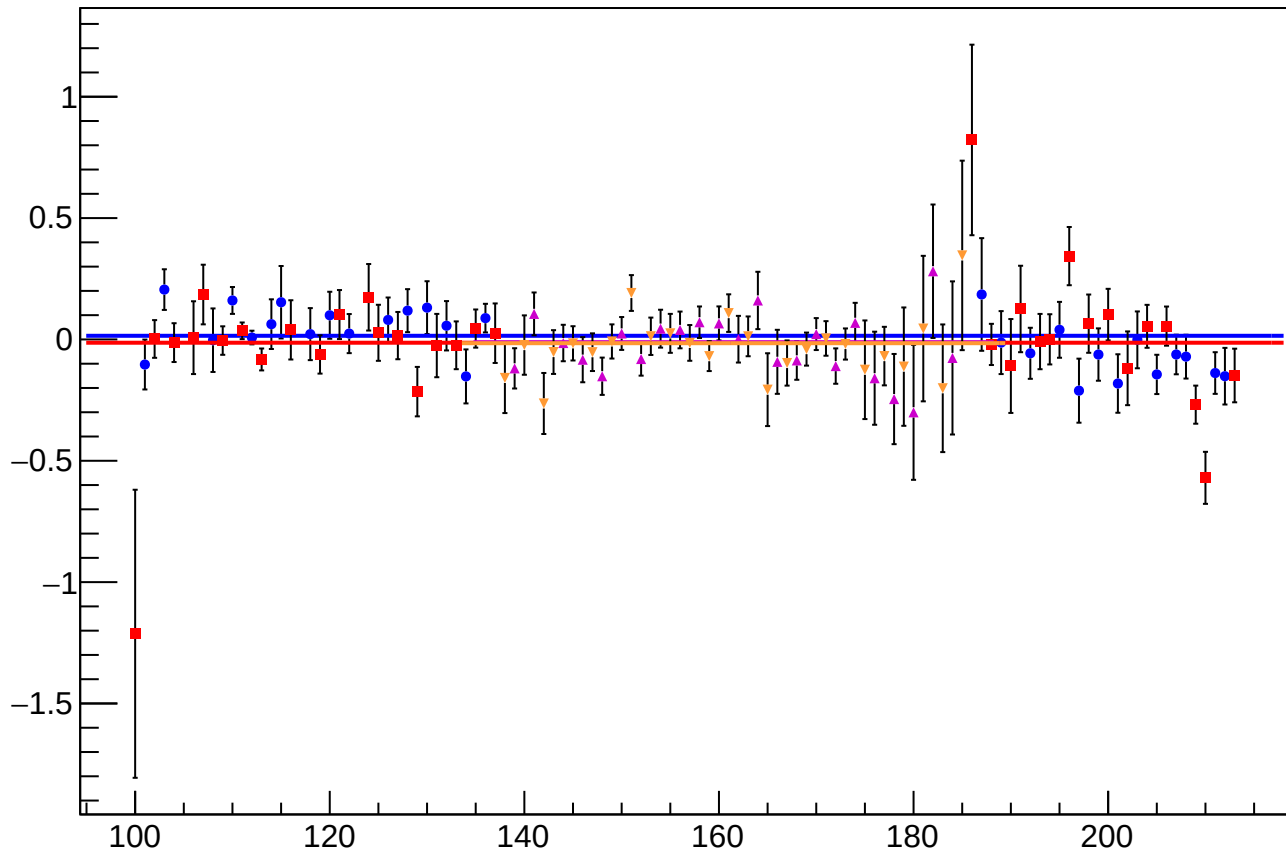
Left In: 0.000+/-0.000 χ^2/NDF : 1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 9861278.4/53

All: 0.000+/-0.000 χ^2/NDF : 20754867.2/110

- sign 0.000+/-0.000 χ^2/NDF : 10843351.6/56

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.015 χ^2/NDF : 40.4/28

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 76.4/33

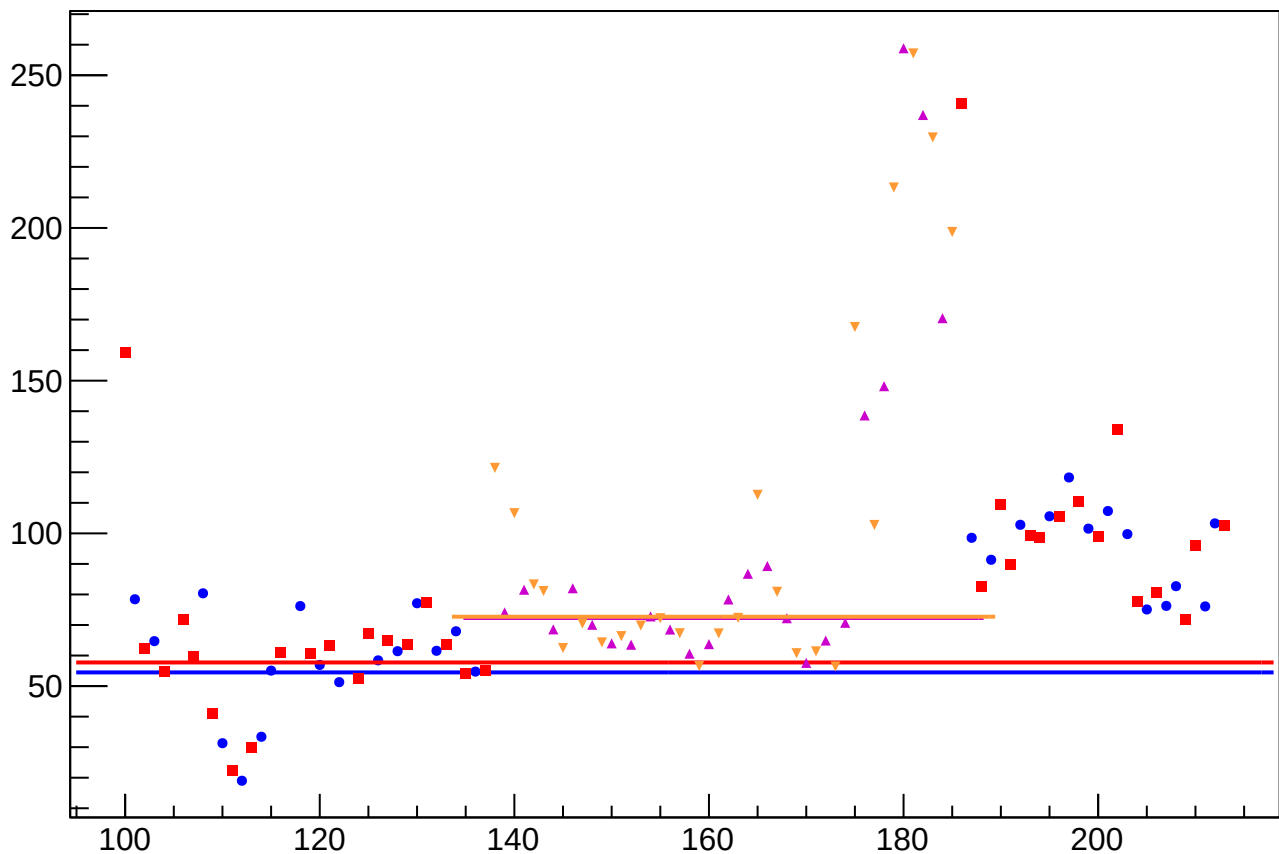
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.002 ± 0.012 χ^2/NDF : 63.8/53

All: -0.005 ± 0.008 χ^2/NDF : 164.3/110

- sign -0.013 ± 0.012 χ^2/NDF : 99.8/56

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 54.479+/-0.011 χ^2/NDF : 7583058.8/28

Left Out: 72.715+/-0.013 χ^2/NDF : 3961158.6/24

Right Out: 57.736+/-0.011 χ^2/NDF : 7065741.8/33

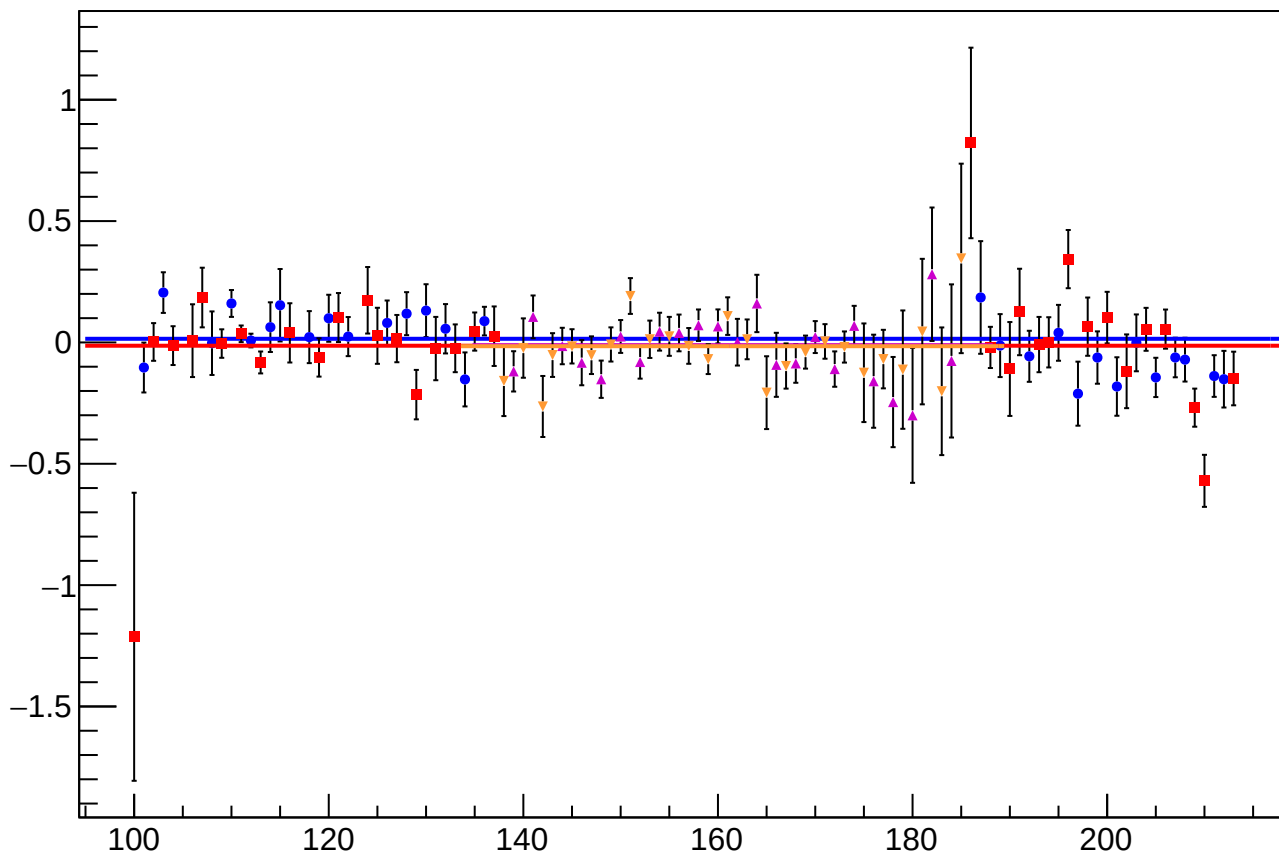
Left In: 72.298+/-0.013 χ^2/NDF : 2790214.3/22

+ sign 62.087+/-0.008 χ^2/NDF : 12745818.0/53

All: 62.873+/-0.006 χ^2/NDF : 23374682.7/110

- sign 63.665+/-0.008 χ^2/NDF : 10610442.4/56

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.015 χ^2 /NDF: 40.4/28

Left Out: -0.016 $\pm$ 0.018 χ^2 /NDF: 21.6/24

Right Out: -0.014 $\pm$ 0.015 χ^2 /NDF: 76.4/33

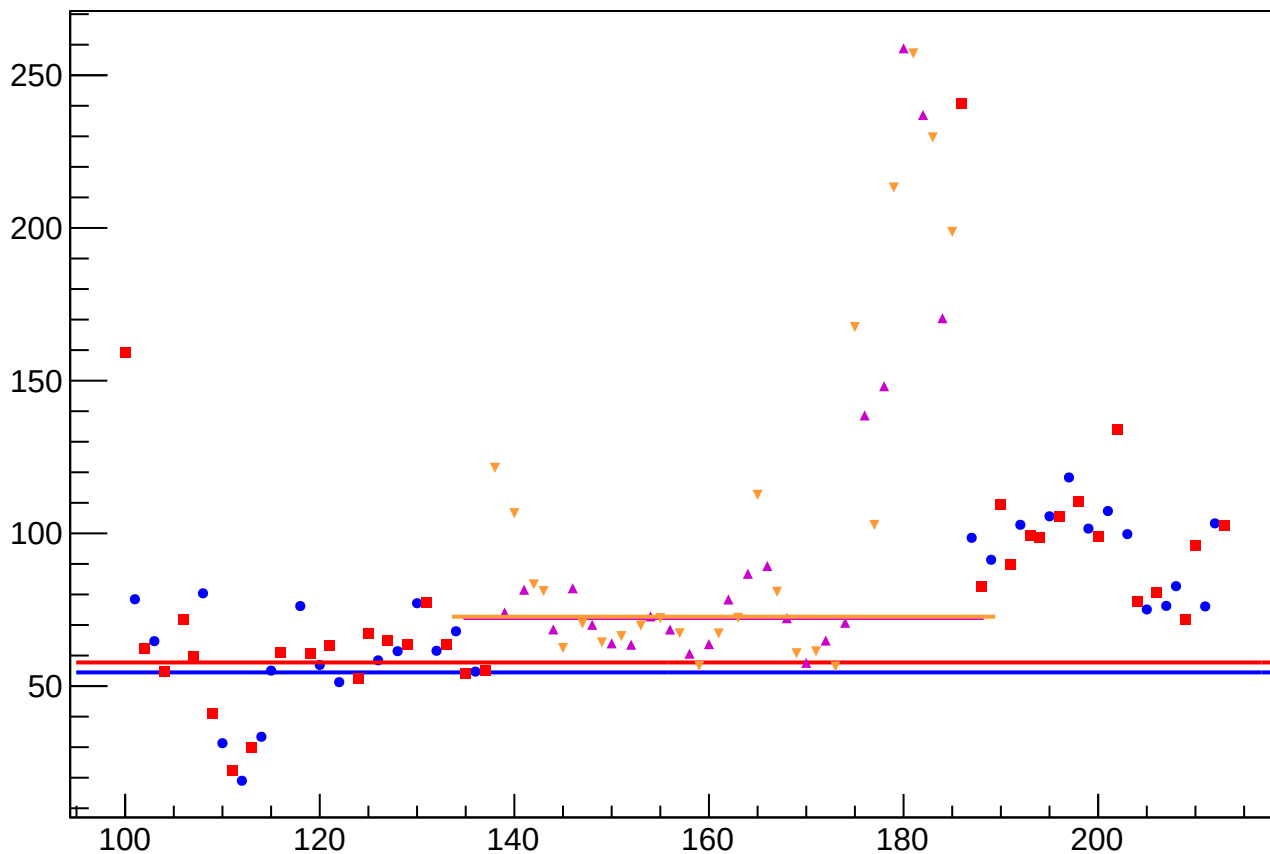
Left In: -0.011 $\pm$ 0.018 χ^2 /NDF: 23.3/22

+ sign 0.002 $\pm$ 0.012 χ^2 /NDF: 63.8/53

All: -0.005 $\pm$ 0.008 χ^2 /NDF: 164.3/110

- sign -0.013 $\pm$ 0.012 χ^2 /NDF: 99.8/56

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 54.479+/-0.011 χ^2/NDF : 7583058.8/28

Left Out: 72.715+/-0.013 χ^2/NDF : 3961158.6/24

Right Out: 57.736+/-0.011 χ^2/NDF : 7065741.8/33

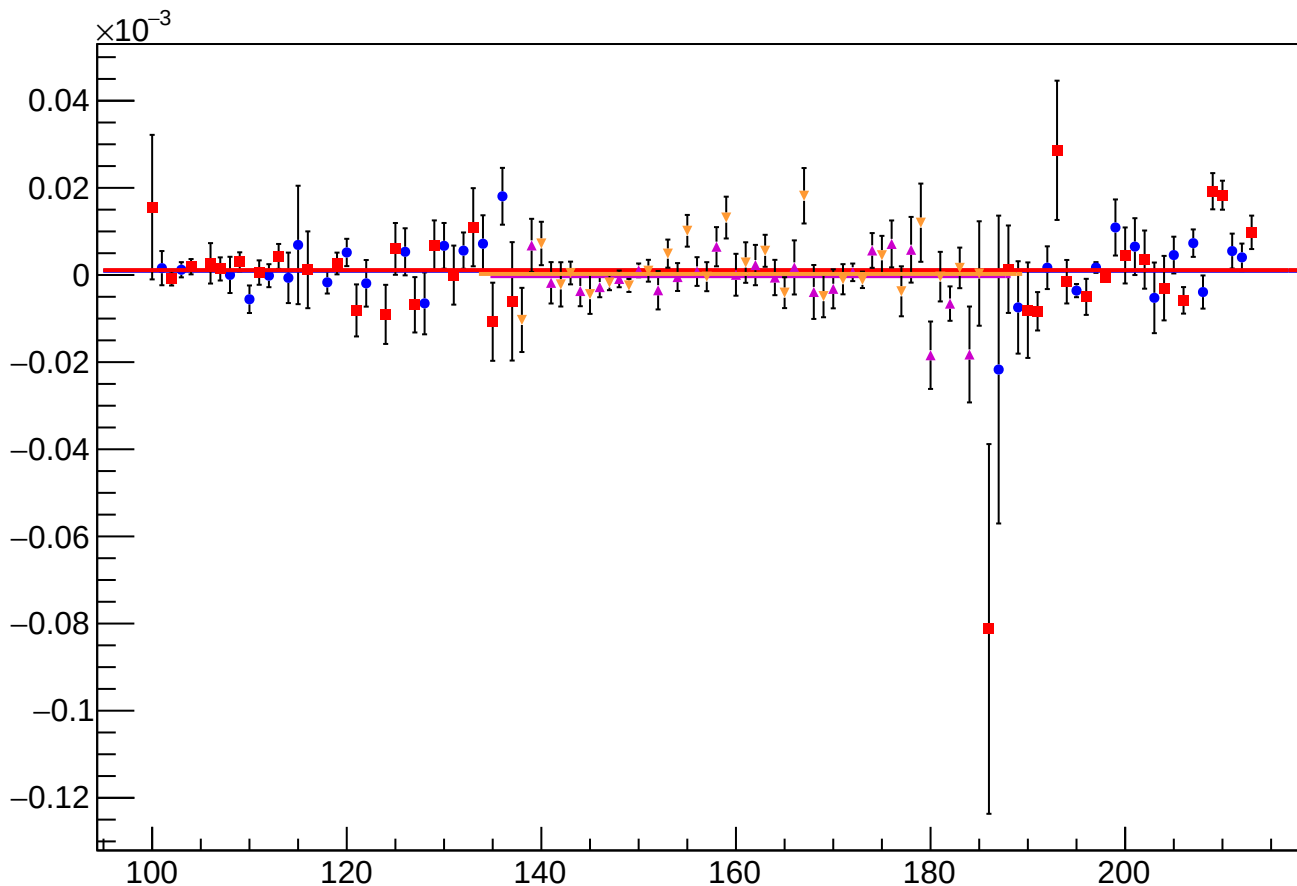
Left In: 72.298+/-0.013 χ^2/NDF : 2790214.3/22

+ sign 62.087+/-0.008 χ^2/NDF : 12745818.0/53

All: 62.873+/-0.006 χ^2/NDF : 23374682.7/110

- sign 63.665+/-0.008 χ^2/NDF : 10610442.4/56

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 90.3/33

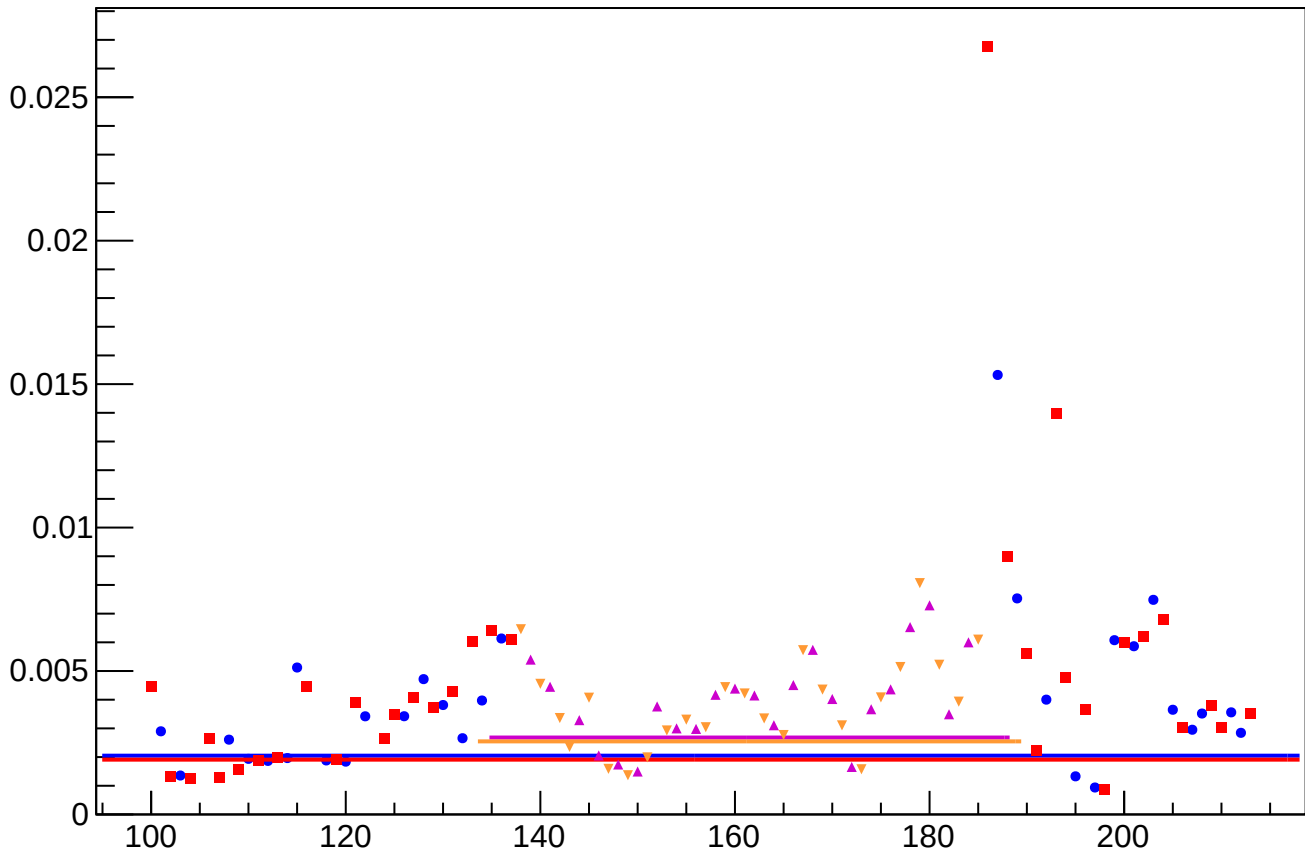
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 86.8/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 203.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 116.7/56

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9083109.9/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7499900.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13120068.7/33

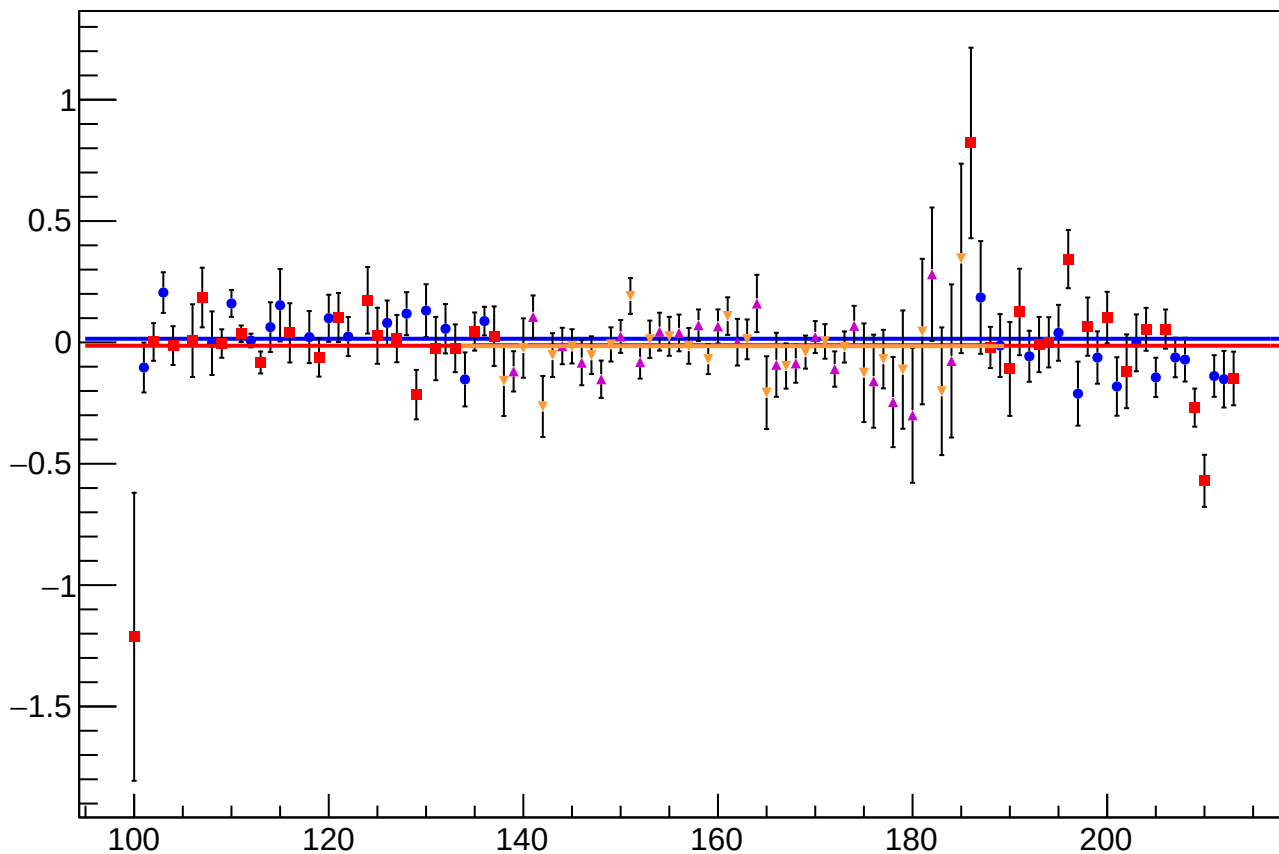
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6504235.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 17216923.0/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 38339529.5/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 21096665.4/56

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.015 χ^2 /NDF: 40.4/28

Left Out: -0.016 $\pm$ 0.018 χ^2 /NDF: 21.6/24

Right Out: -0.014 $\pm$ 0.015 χ^2 /NDF: 76.4/33

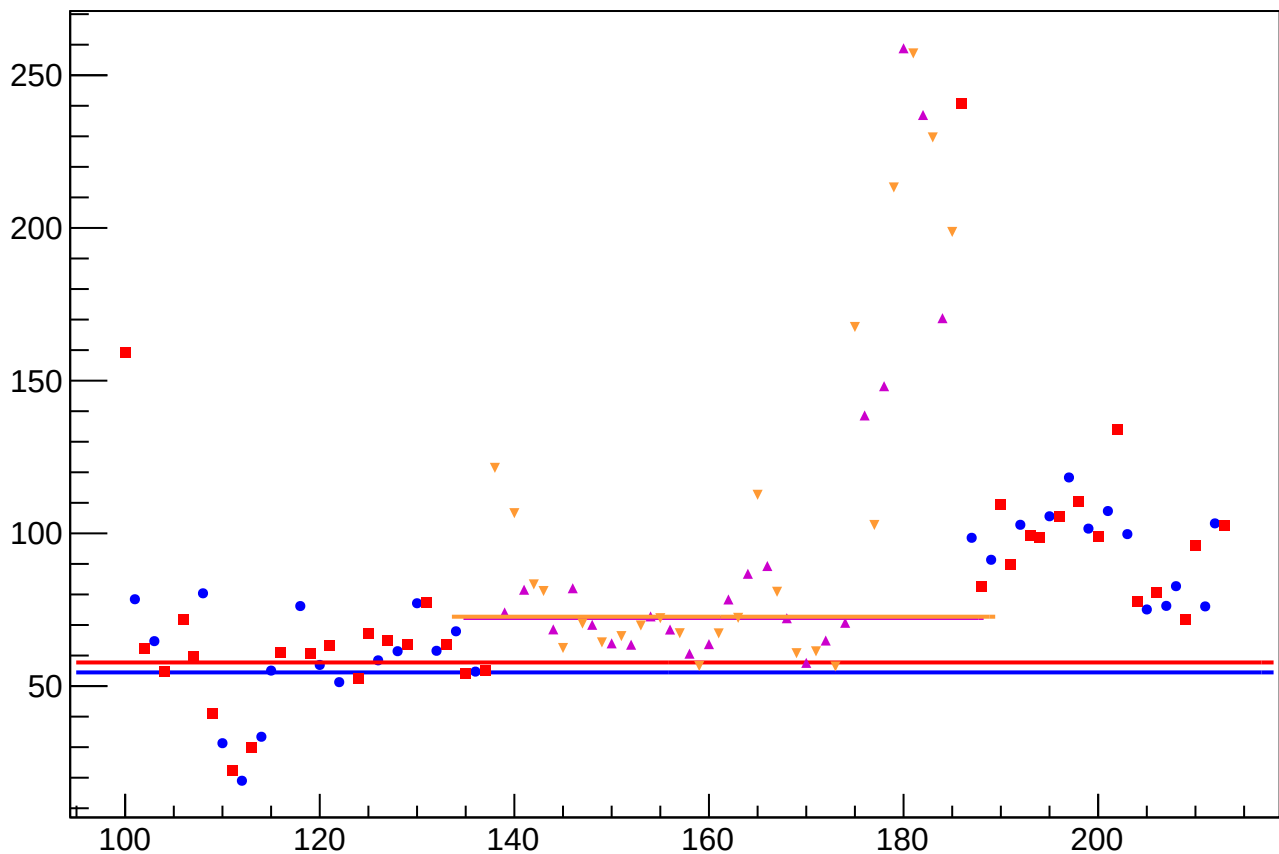
Left In: -0.011 $\pm$ 0.018 χ^2 /NDF: 23.3/22

+ sign 0.002 $\pm$ 0.012 χ^2 /NDF: 63.7/53

All: -0.005 $\pm$ 0.008 χ^2 /NDF: 164.3/110

- sign -0.013 $\pm$ 0.012 χ^2 /NDF: 99.8/56

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 54.478 $\pm$ 0.011 χ^2 /NDF: 7583352.8/28

Left Out: 72.716 $\pm$ 0.013 χ^2 /NDF: 3961100.5/24

Right Out: 57.735 $\pm$ 0.011 χ^2 /NDF: 7066072.7/33

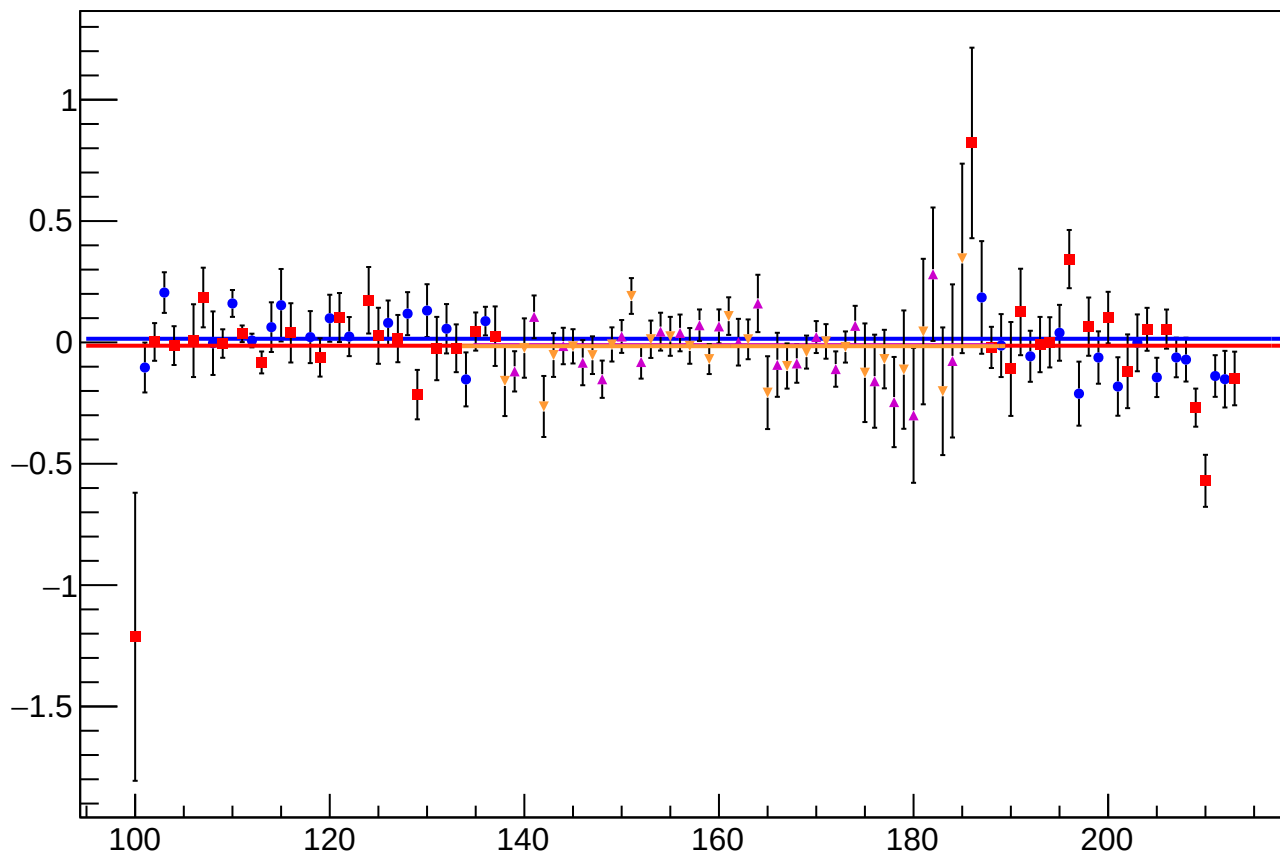
Left In: 72.298 $\pm$ 0.013 χ^2 /NDF: 2790146.5/22

+ sign 62.086 $\pm$ 0.008 χ^2 /NDF: 12746261.6/53

All: 62.872 $\pm$ 0.006 χ^2 /NDF: 23375545.1/110

- sign 63.664 $\pm$ 0.008 χ^2 /NDF: 10610859.6/56

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.015 χ^2/NDF : 40.4/28

Left Out: -0.016 ± 0.018 χ^2/NDF : 21.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 76.4/33

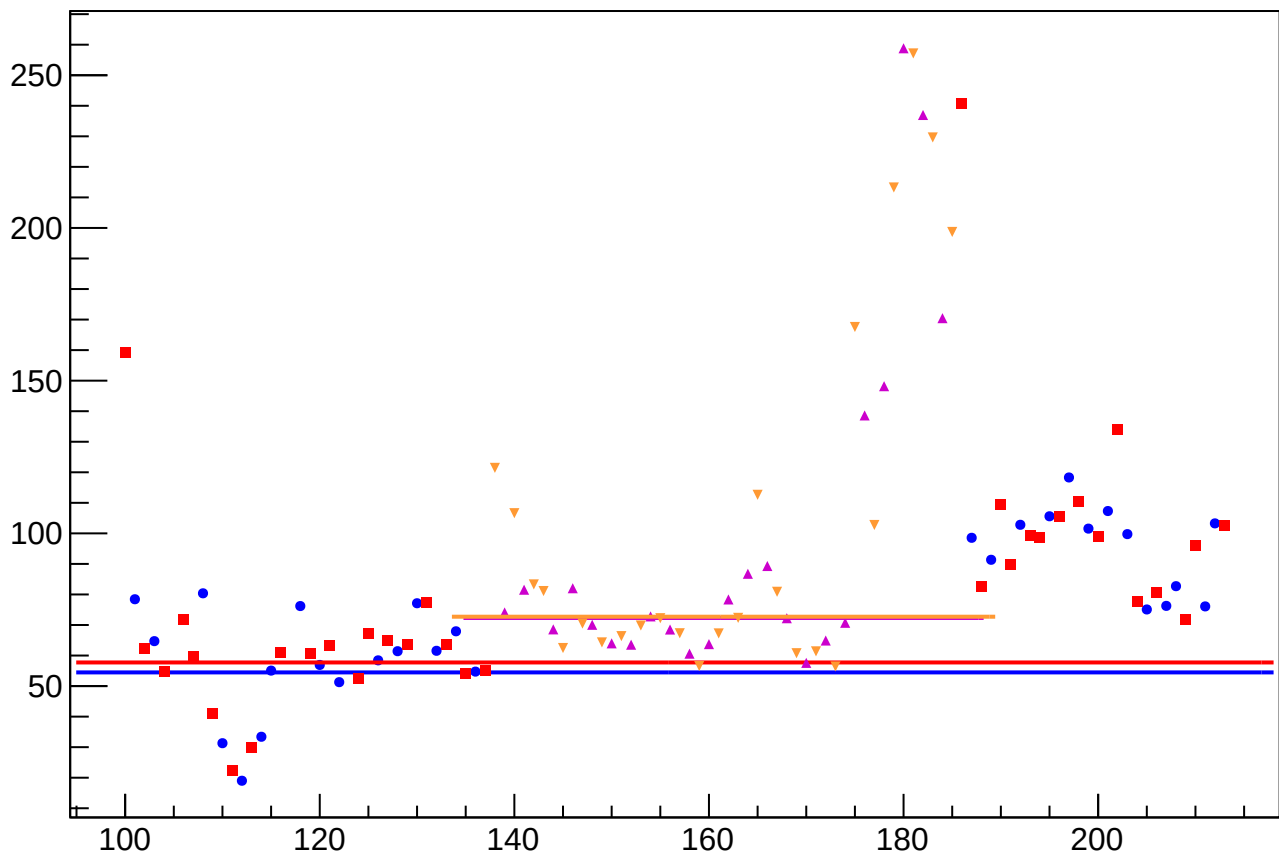
Left In: -0.011 ± 0.018 χ^2/NDF : 23.3/22

+ sign 0.002 ± 0.012 χ^2/NDF : 63.7/53

All: -0.005 ± 0.008 χ^2/NDF : 164.3/110

- sign -0.013 ± 0.012 χ^2/NDF : 99.8/56

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 54.478+/-0.011 χ^2/NDF : 7583352.8/28

Left Out: 72.716+/-0.013 χ^2/NDF : 3961100.5/24

Right Out: 57.735+/-0.011 χ^2/NDF : 7066072.7/33

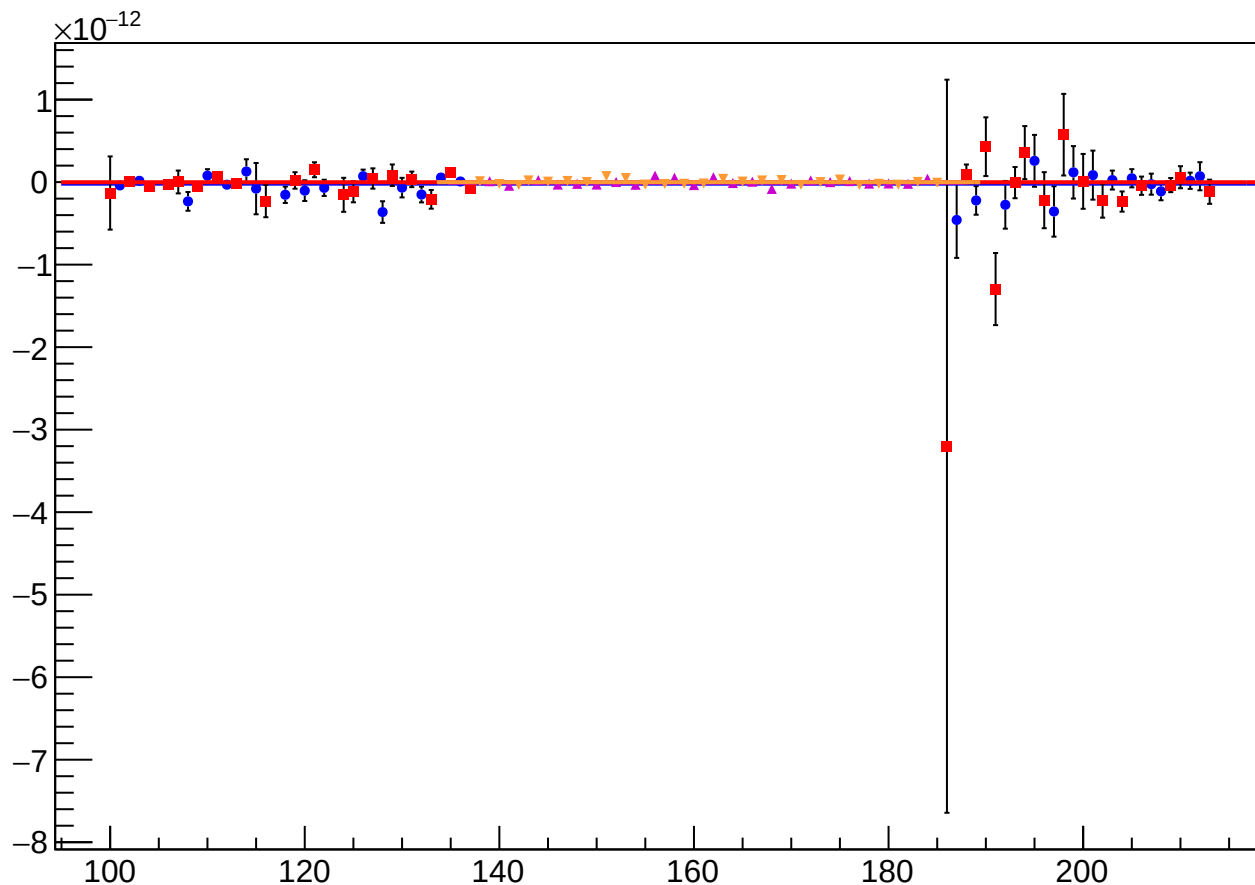
Left In: 72.298+/-0.013 χ^2/NDF : 2790146.5/22

+ sign 62.086+/-0.008 χ^2/NDF : 12746261.6/53

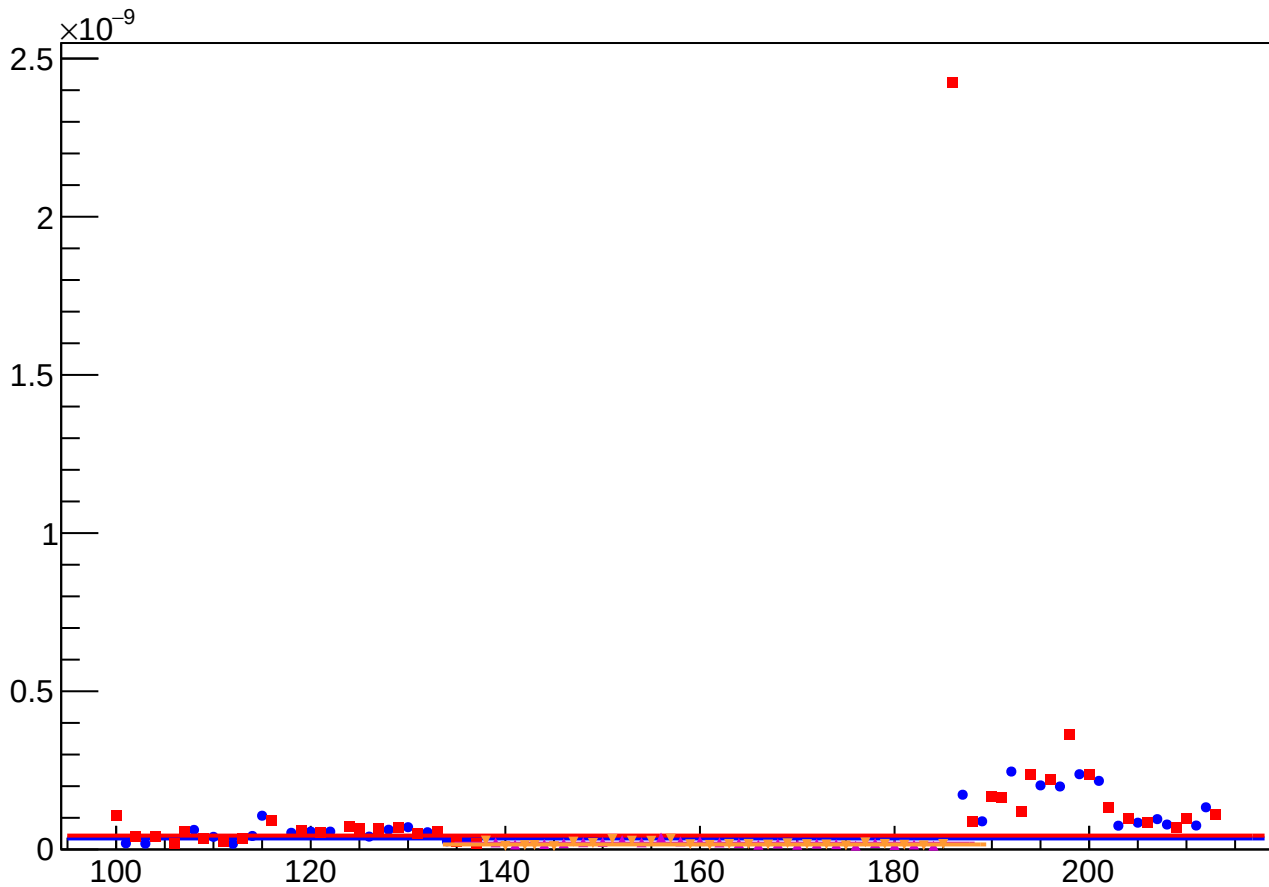
All: 62.872+/-0.006 χ^2/NDF : 23375545.1/110

- sign 63.664+/-0.008 χ^2/NDF : 10610859.6/56

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8923731.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8577754.2/33

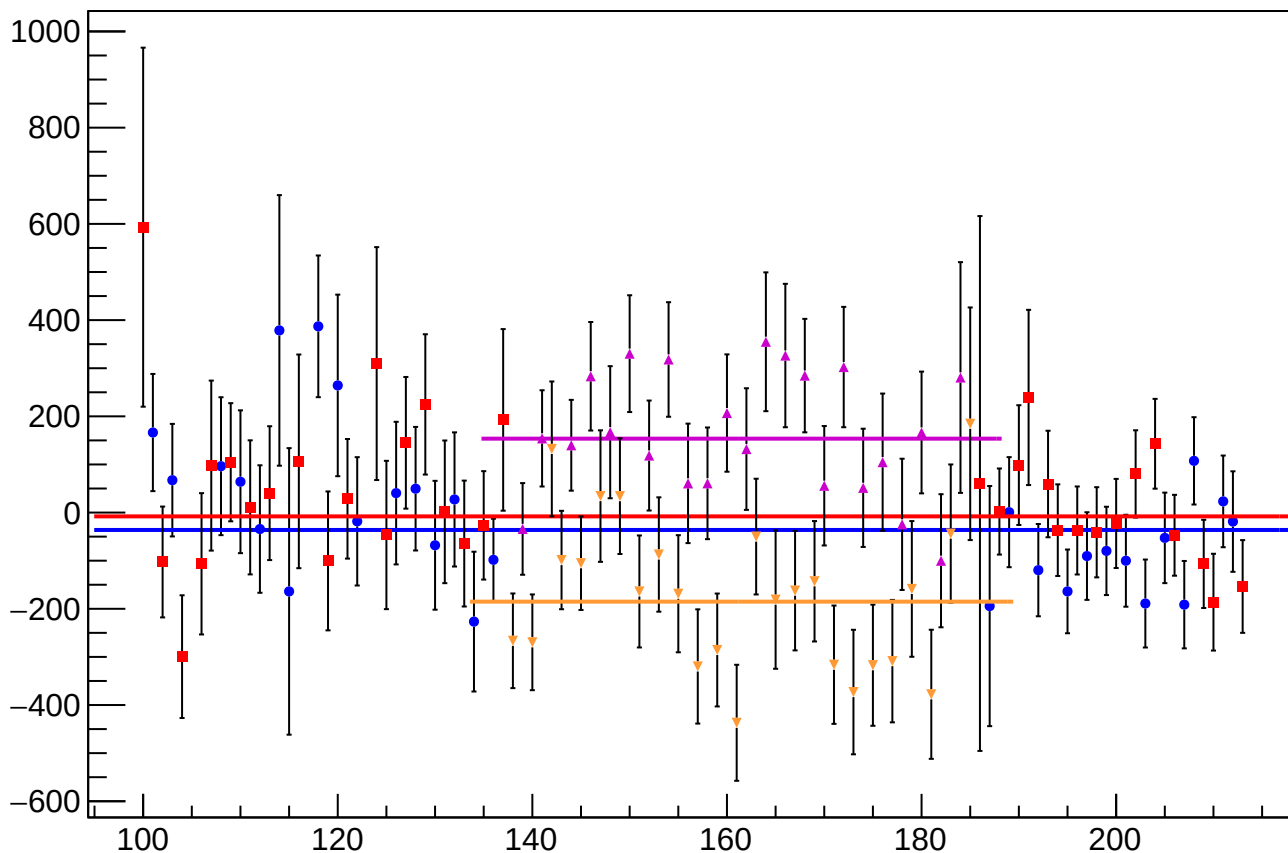
Left In: 0.000+/-0.000 χ^2/NDF : 1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 14689590.8/53

All: 0.000+/-0.000 χ^2/NDF : 30200270.6/110

- sign 0.000+/-0.000 χ^2/NDF : 15098508.1/56

reg_asym_sam_15_dd_mean vs Slug



Right In: -36.155 ± 21.305 χ^2/NDF : 34.4/28

Left Out: -185.146 ± 24.452 χ^2/NDF : 33.1/24

Right Out: -7.914 ± 20.569 χ^2/NDF : 31.7/33

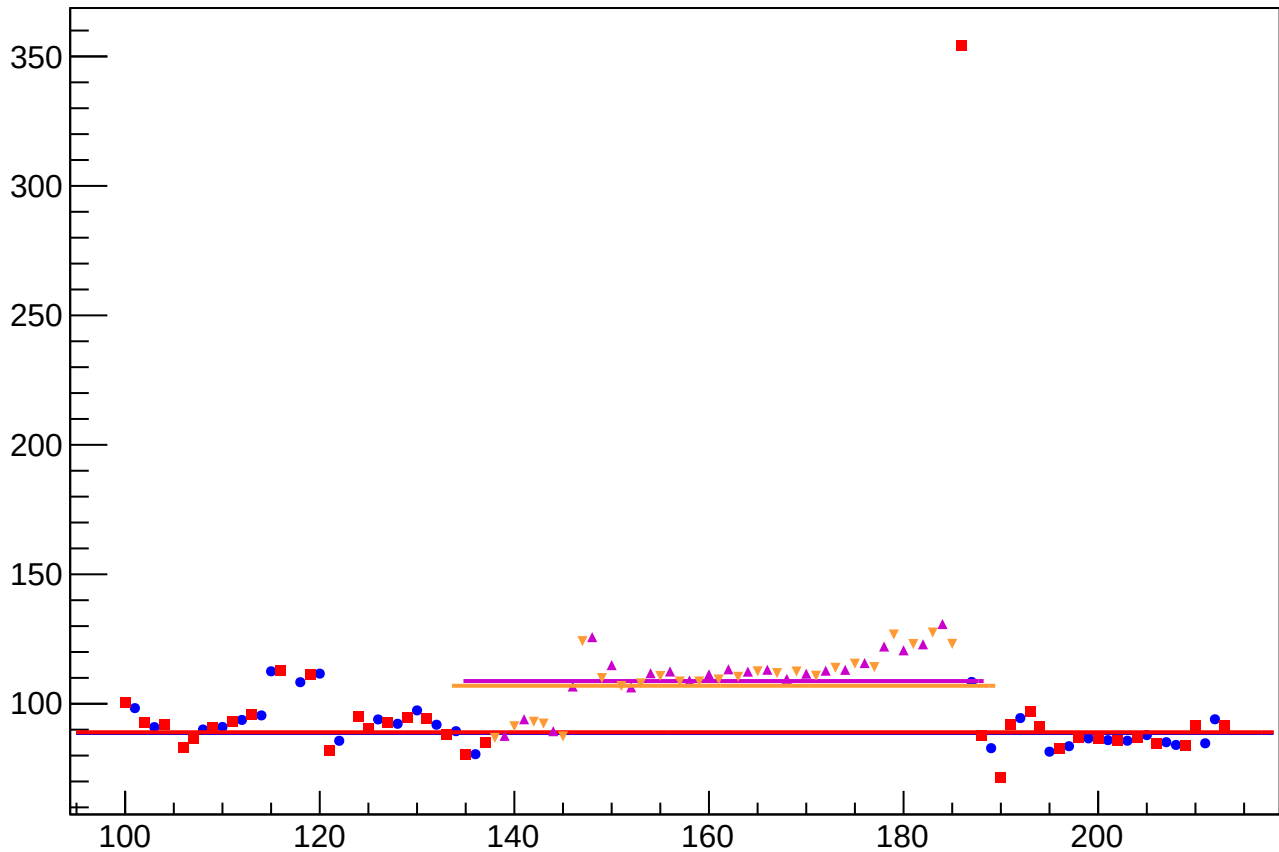
Left In: 153.627 ± 25.538 χ^2/NDF : 23.5/22

+ sign -100.452 ± 16.063 χ^2/NDF : 88.5/53

All: -22.188 ± 11.343 χ^2/NDF : 215.3/110

- sign 55.645 ± 16.019 χ^2/NDF : 79.4/56

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.723+/-0.015 χ^2/NDF : 195537.5/28

Left Out: 106.954+/-0.017 χ^2/NDF : 464271.3/24

Right Out: 89.001+/-0.015 χ^2/NDF : 652376.4/33

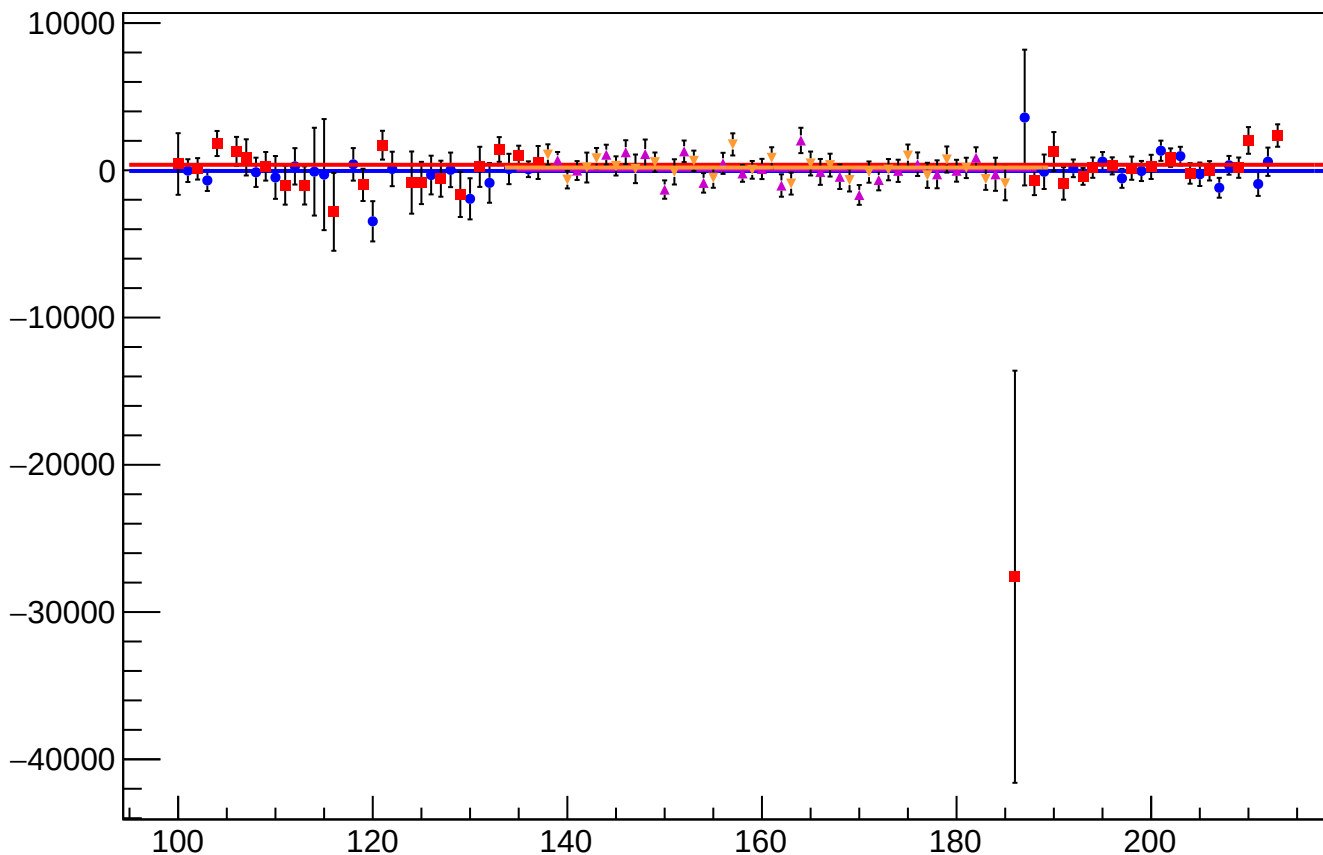
Left In: 108.781+/-0.018 χ^2/NDF : 358436.3/22

+ sign 96.591+/-0.011 χ^2/NDF : 1291791.9/53

All: 96.687+/-0.008 χ^2/NDF : 3030466.7/110

- sign 96.783+/-0.011 χ^2/NDF : 1738530.4/56

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -44.110 ± 160.583 χ^2/NDF : 23.5/28

Left Out: 186.456 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 374.597 ± 154.704 χ^2/NDF : 38.0/33

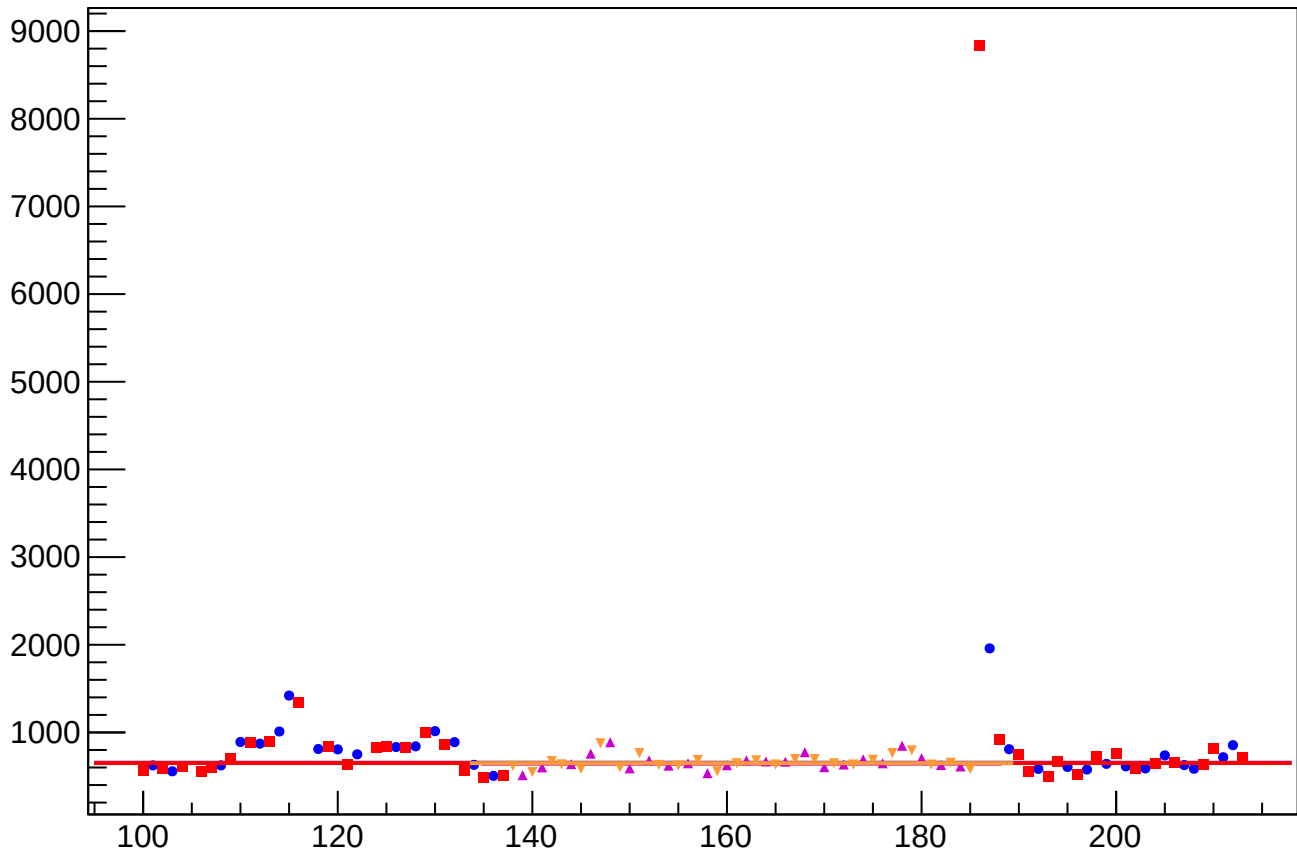
Left In: 43.249 ± 152.059 χ^2/NDF : 33.7/22

+ sign 79.927 ± 109.153 χ^2/NDF : 43.6/53

All: 143.407 ± 76.931 χ^2/NDF : 118.4/110

- sign 206.067 ± 108.445 χ^2/NDF : 74.1/56

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 653.938 $\pm$ 0.114 χ^2 /NDF: 1225247.0/28

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418364.7/24

Right Out: 651.160 $\pm$ 0.109 χ^2 /NDF: 2054054.0/33

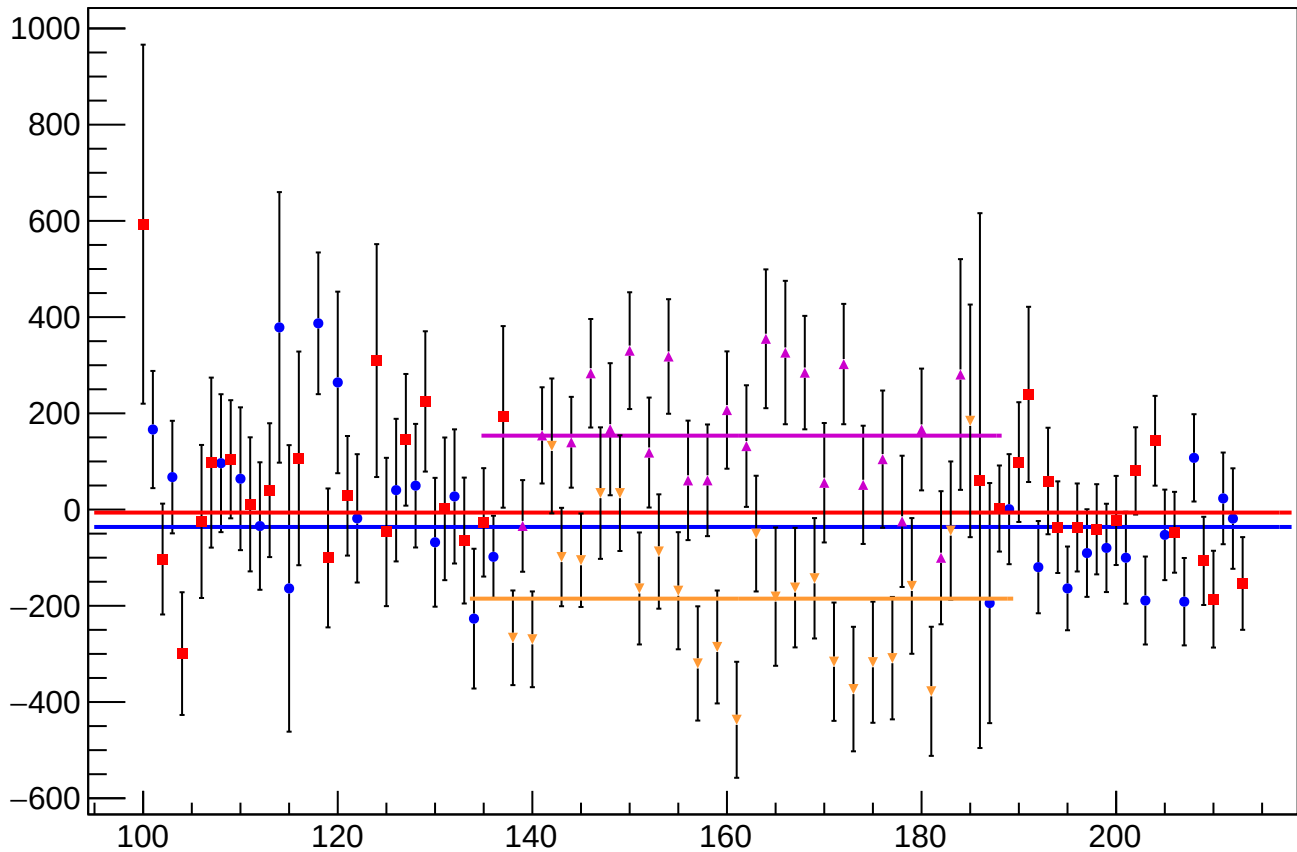
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559119.9/22

+ sign 651.383 $\pm$ 0.077 χ^2 /NDF: 1644552.8/53

All: 649.457 $\pm$ 0.054 χ^2 /NDF: 4261100.1/110

- sign 647.555 $\pm$ 0.077 χ^2 /NDF: 2615309.1/56

cor_asym_sam_15_dd_mean vs Slug



Right In: -36.154 ± 21.305 χ^2/NDF : 34.4/28

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: -6.254 ± 20.598 χ^2/NDF : 31.2/33

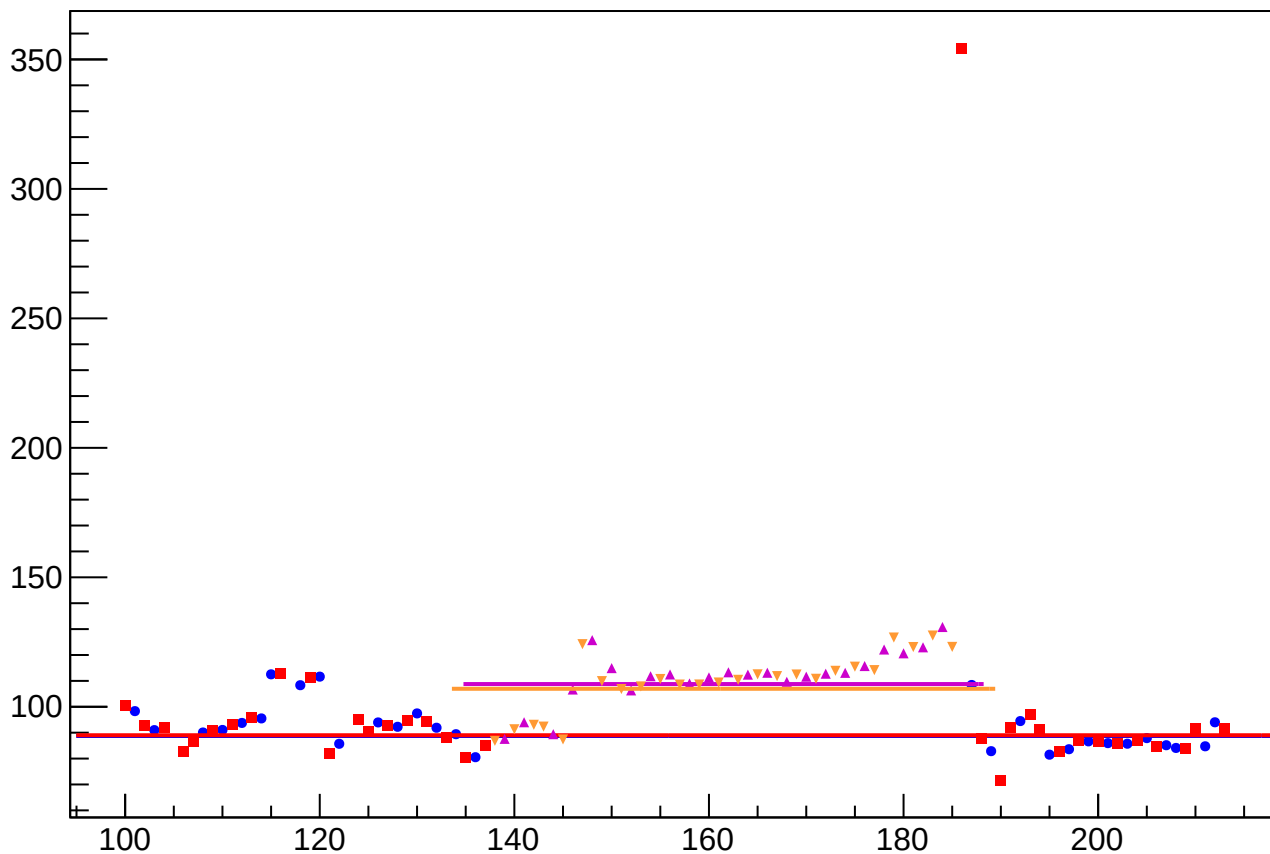
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -100.452 ± 16.063 χ^2/NDF : 88.5/53

All: -21.695 ± 11.348 χ^2/NDF : 215.0/110

- sign 56.765 ± 16.033 χ^2/NDF : 78.5/56

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.723+/-0.015 χ^2 /NDF: 195537.5/28

Left Out: 106.954+/-0.017 χ^2 /NDF: 464271.4/24

Right Out: 89.009+/-0.015 χ^2 /NDF: 652440.6/33

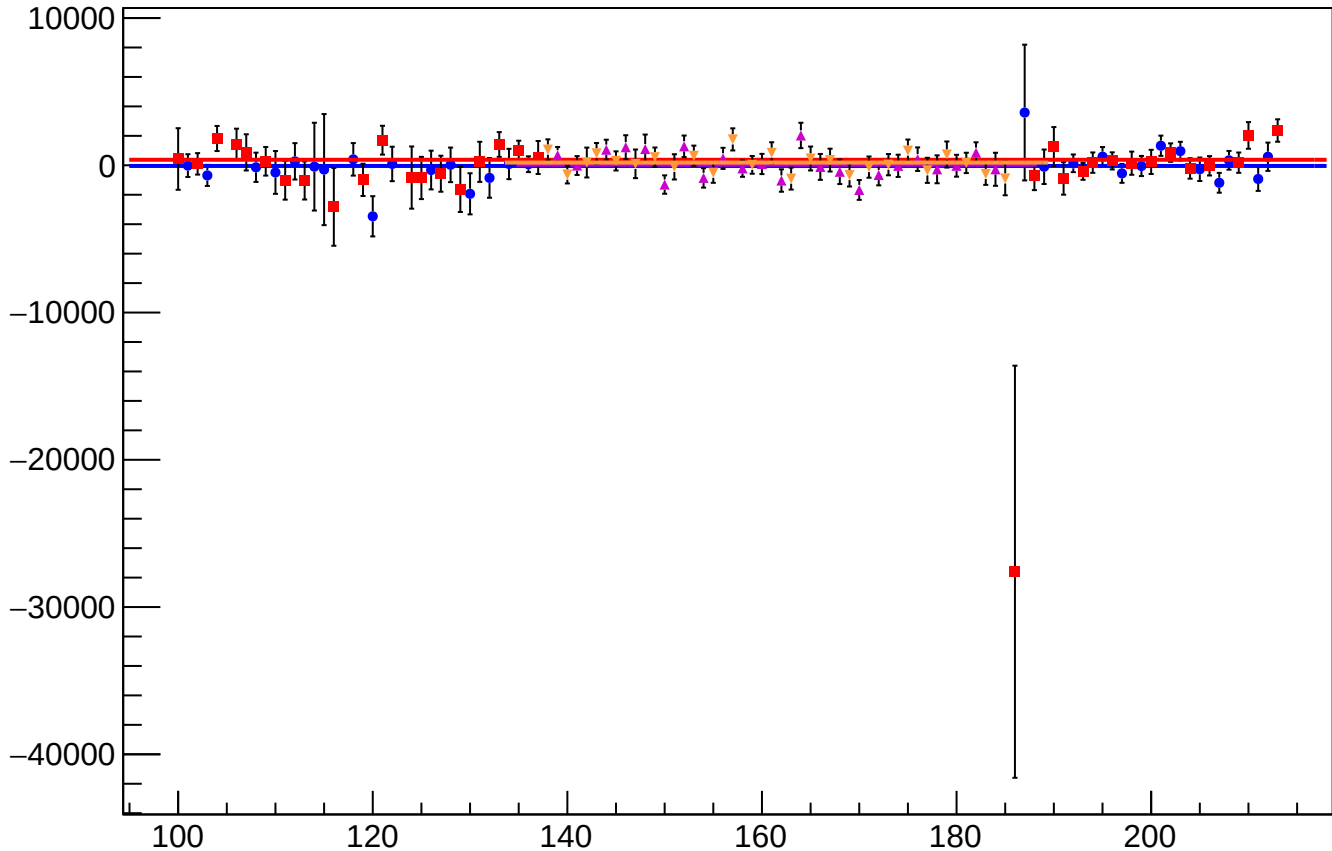
Left In: 108.781+/-0.018 χ^2 /NDF: 358436.4/22

+ sign 96.591+/-0.011 χ^2 /NDF: 1291791.9/53

All: 96.696+/-0.008 χ^2 /NDF: 3029156.4/110

- sign 96.802+/-0.011 χ^2 /NDF: 1737191.4/56

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -44.111 ± 160.583 χ^2/NDF : 23.5/28

Left Out: 186.450 ± 148.819 χ^2/NDF : 19.1/24

Right Out: 375.838 ± 154.902 χ^2/NDF : 38.2/33

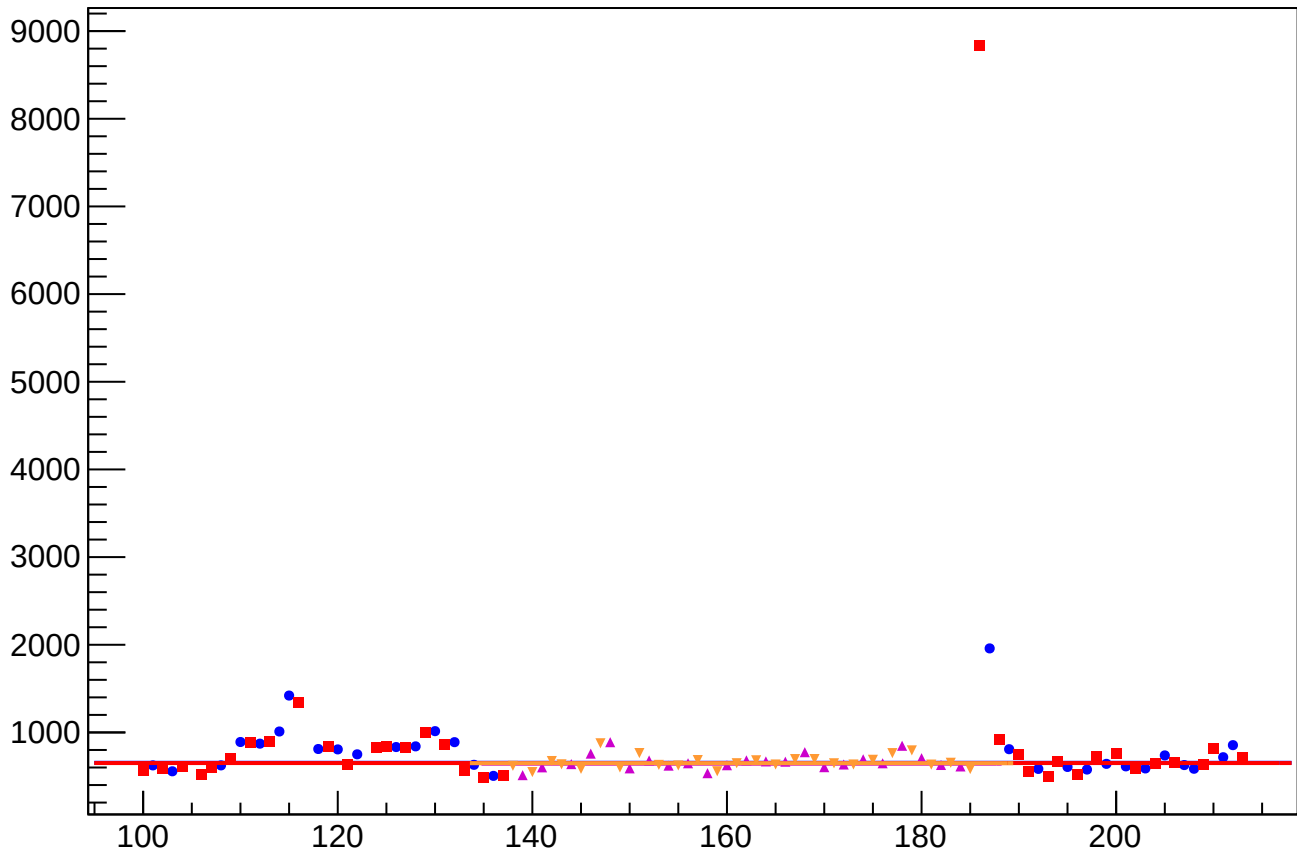
Left In: 43.251 ± 152.059 χ^2/NDF : 33.7/22

+ sign 79.923 ± 109.153 χ^2/NDF : 43.6/53

All: 143.566 ± 76.956 χ^2/NDF : 118.6/110

- sign 206.465 ± 108.513 χ^2/NDF : 74.3/56

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 653.938+/-0.114 χ^2/NDF : 1225247.0/28

Left Out: 649.189+/-0.105 χ^2/NDF : 418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF : 2063626.8/33

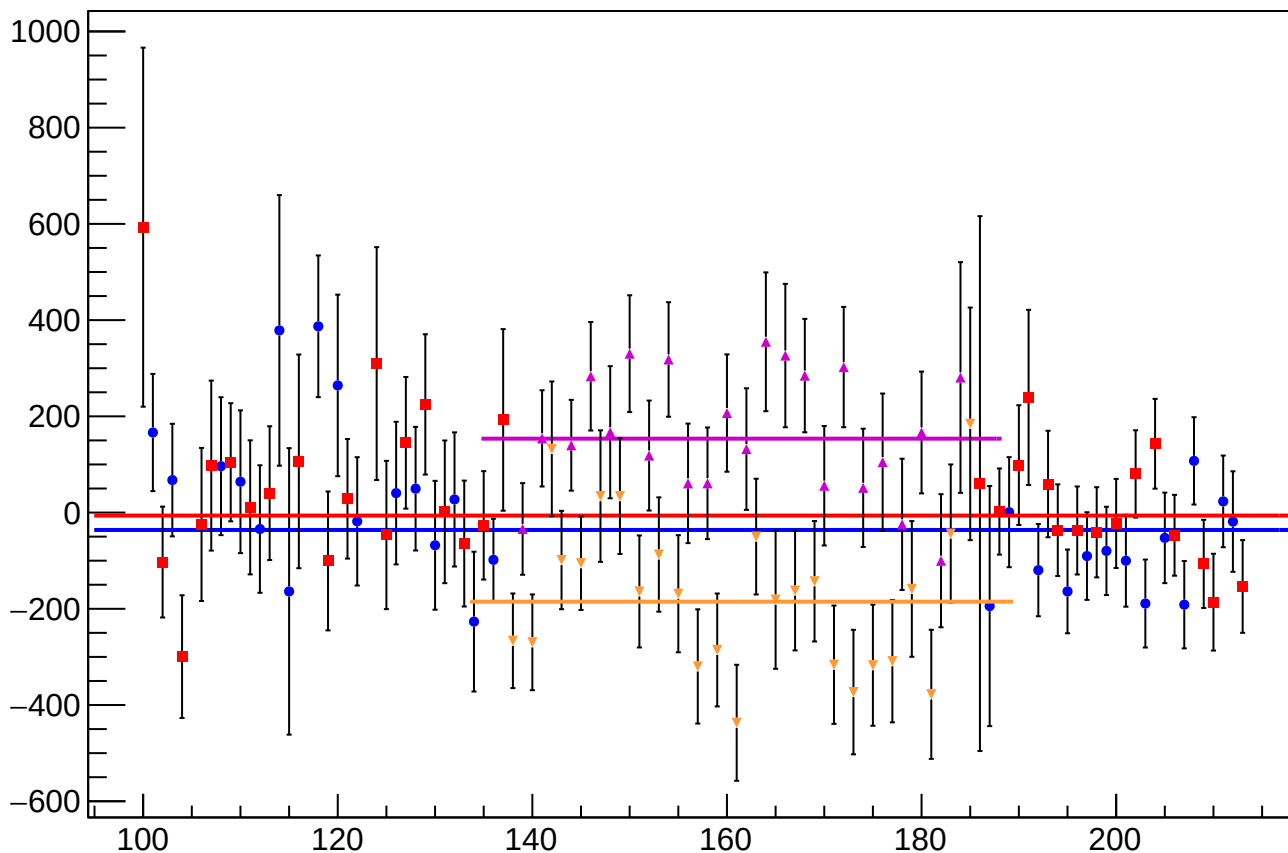
Left In: 644.072+/-0.108 χ^2/NDF : 559121.0/22

+ sign 651.383+/-0.077 χ^2/NDF : 1644553.5/53

All: 649.368+/-0.054 χ^2/NDF : 4270580.7/110

- sign 647.376+/-0.077 χ^2/NDF : 2624671.2/56

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -36.154 ± 21.305 χ^2/NDF : 34.4/28

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: -6.254 ± 20.598 χ^2/NDF : 31.2/33

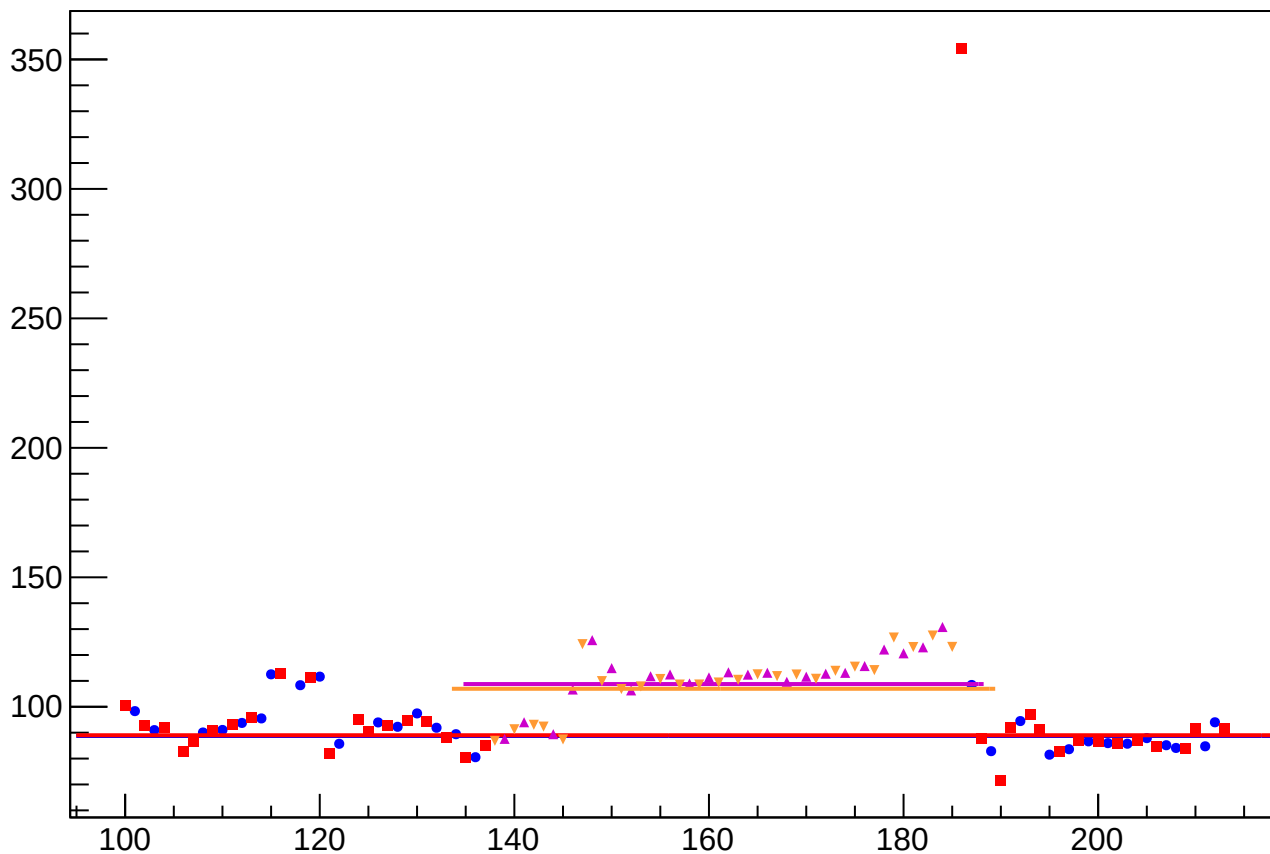
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -100.452 ± 16.063 χ^2/NDF : 88.5/53

All: -21.695 ± 11.348 χ^2/NDF : 215.0/110

- sign 56.765 ± 16.033 χ^2/NDF : 78.5/56

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.723+/-0.015 χ^2 /NDF: 195537.5/28

Left Out: 106.954+/-0.017 χ^2 /NDF: 464271.4/24

Right Out: 89.009+/-0.015 χ^2 /NDF: 652440.6/33

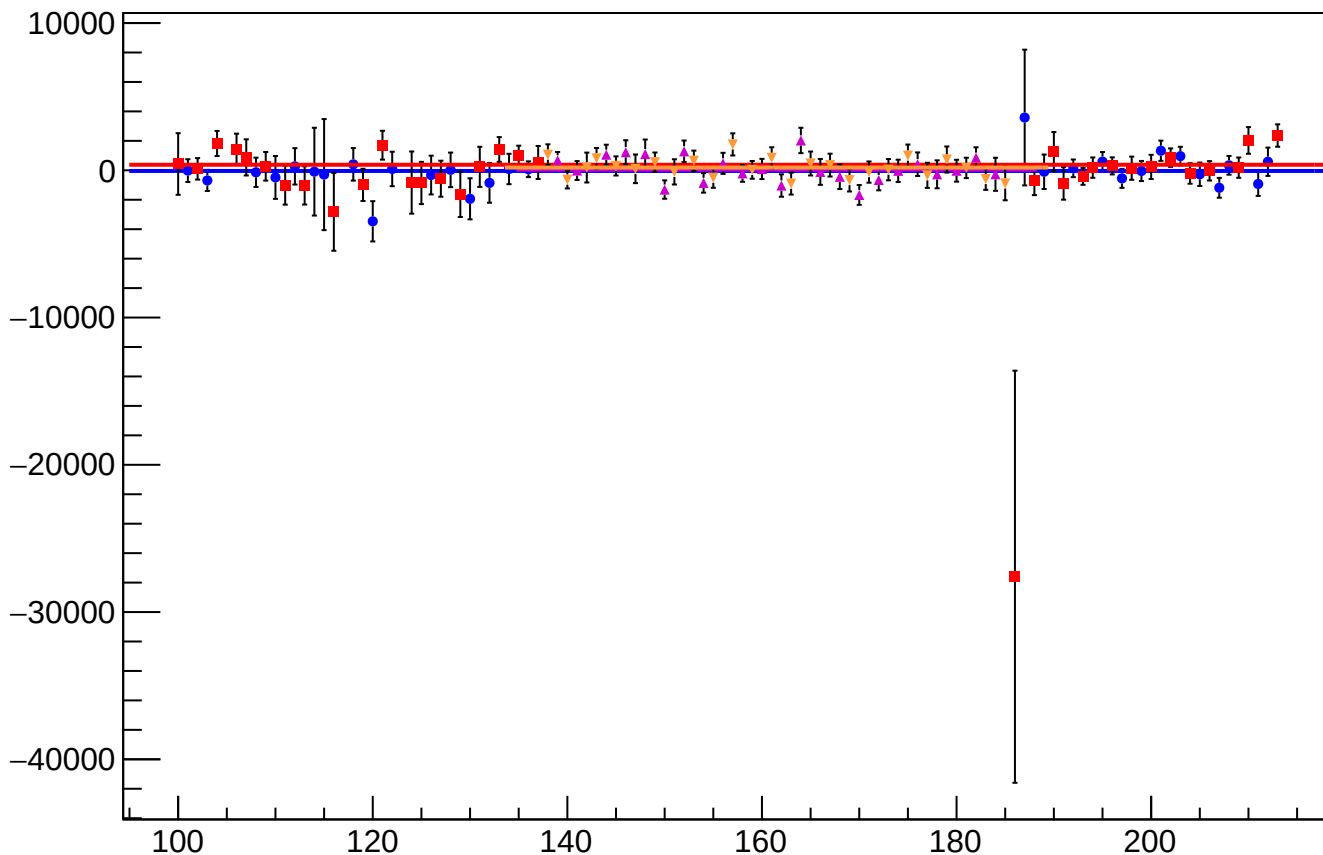
Left In: 108.781+/-0.018 χ^2 /NDF: 358436.4/22

+ sign 96.591+/-0.011 χ^2 /NDF: 1291791.9/53

All: 96.696+/-0.008 χ^2 /NDF: 3029156.4/110

- sign 96.802+/-0.011 χ^2 /NDF: 1737191.4/56

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -44.111 $\pm$ 160.583 χ^2 /NDF: 23.5/28

Left Out: 186.450 $\pm$ 148.819 χ^2 /NDF: 19.1/24

Right Out: 375.838 $\pm$ 154.902 χ^2 /NDF: 38.2/33

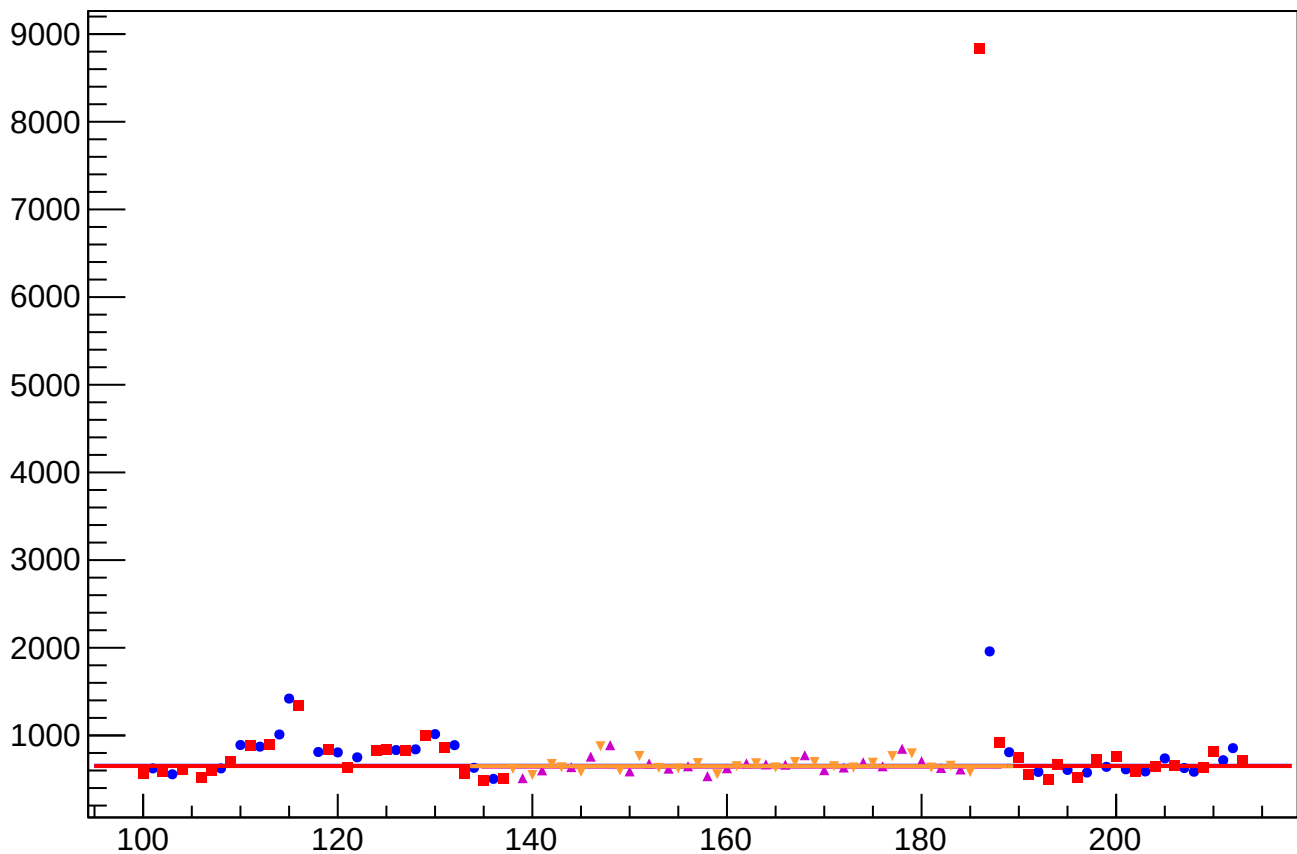
Left In: 43.251 $\pm$ 152.059 χ^2 /NDF: 33.7/22

+ sign 79.923 $\pm$ 109.153 χ^2 /NDF: 43.6/53

All: 143.566 $\pm$ 76.956 χ^2 /NDF: 118.6/110

- sign 206.465 $\pm$ 108.513 χ^2 /NDF: 74.3/56

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 653.938+/-0.114 χ^2/NDF : 1225247.0/28

Left Out: 649.189+/-0.105 χ^2/NDF : 418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF : 2063626.8/33

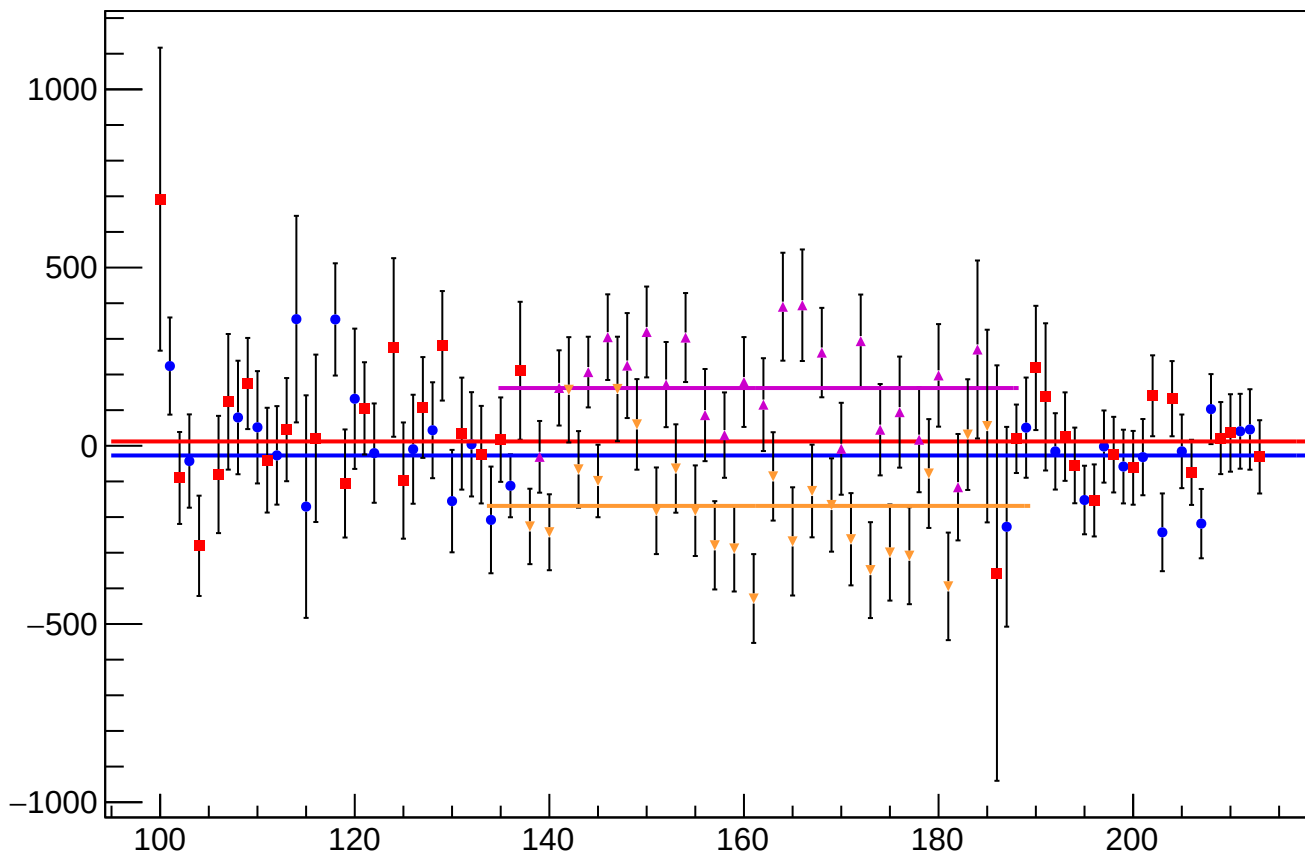
Left In: 644.072+/-0.108 χ^2/NDF : 559121.0/22

+ sign 651.383+/-0.077 χ^2/NDF : 1644553.5/53

All: 649.368+/-0.054 χ^2/NDF : 4270580.7/110

- sign 647.376+/-0.077 χ^2/NDF : 2624671.2/56

dit_asym_sam_15_dd_mean vs Slug



Right In: -27.163 ± 23.289 χ^2/NDF : 29.2/28

Left Out: -168.634 ± 25.819 χ^2/NDF : 32.4/24

Right Out: 12.208 ± 22.582 χ^2/NDF : 26.9/33

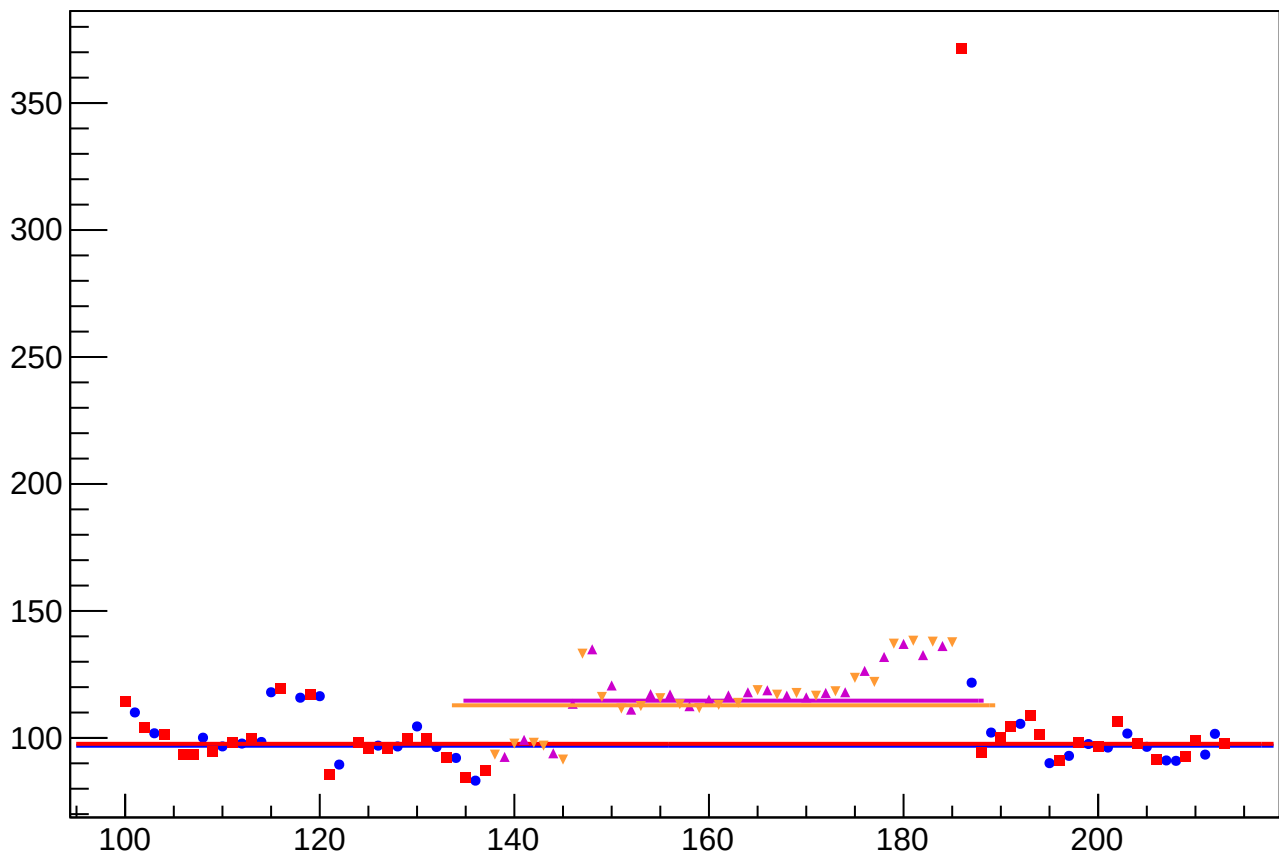
Left In: 162.028 ± 26.948 χ^2/NDF : 23.6/22

+ sign -90.629 ± 17.293 χ^2/NDF : 78.1/53

All: -8.377 ± 12.233 χ^2/NDF : 192.0/110

- sign 74.013 ± 17.308 χ^2/NDF : 68.6/56

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.932 $\pm$ 0.016 χ^2 /NDF: 210499.5/28

Left Out: 112.850 $\pm$ 0.018 χ^2 /NDF: 512260.6/24

Right Out: 97.679 $\pm$ 0.016 χ^2 /NDF: 615349.5/33

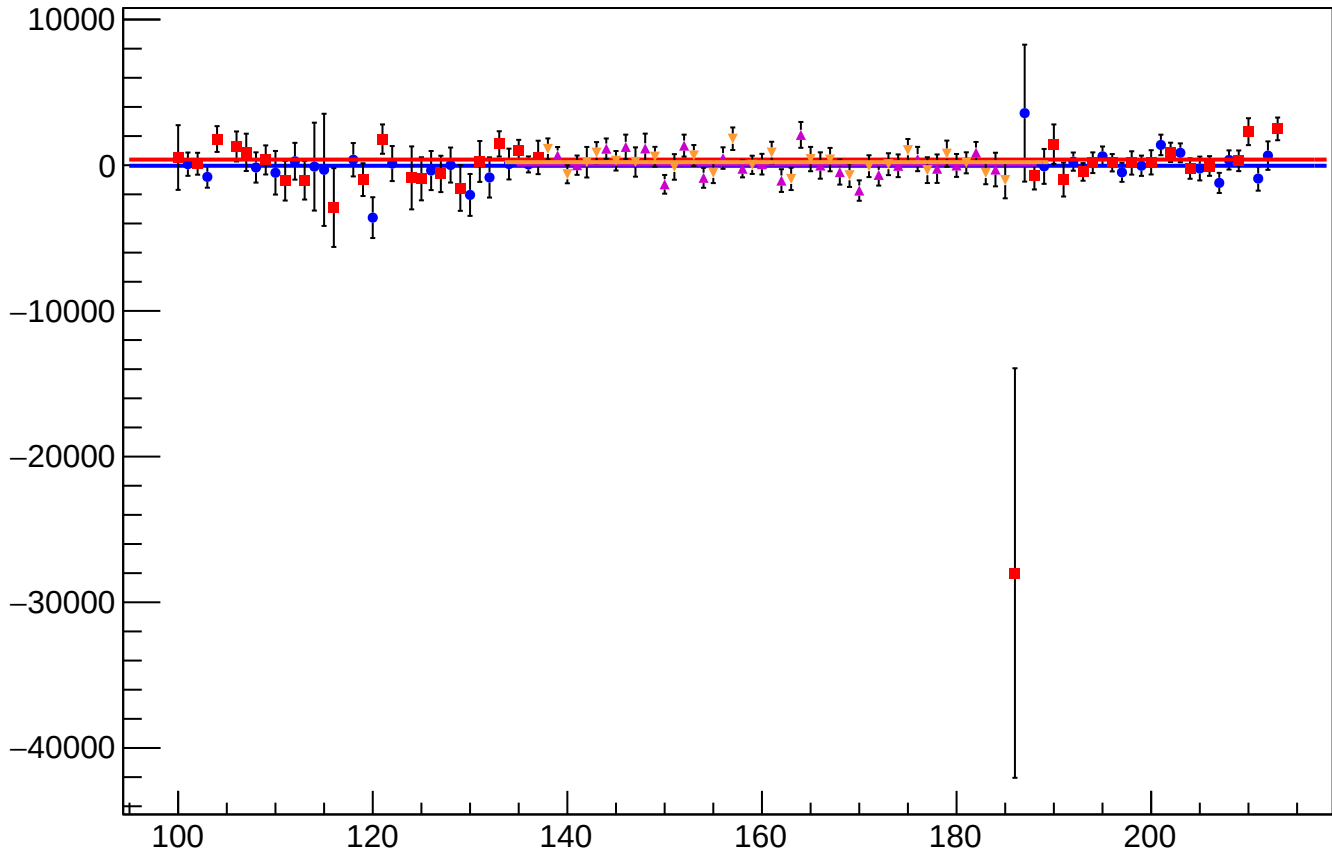
Left In: 114.677 $\pm$ 0.019 χ^2 /NDF: 409932.2/22

+ sign 104.073 $\pm$ 0.012 χ^2 /NDF: 1141894.0/53

All: 104.382 $\pm$ 0.009 χ^2 /NDF: 2635924.3/110

- sign 104.691 $\pm$ 0.012 χ^2 /NDF: 1492751.3/56

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -38.360 ± 165.071 χ^2/NDF : 23.4/28

Left Out: 209.377 ± 153.925 χ^2/NDF : 18.9/24

Right Out: 386.935 ± 159.456 χ^2/NDF : 39.5/33

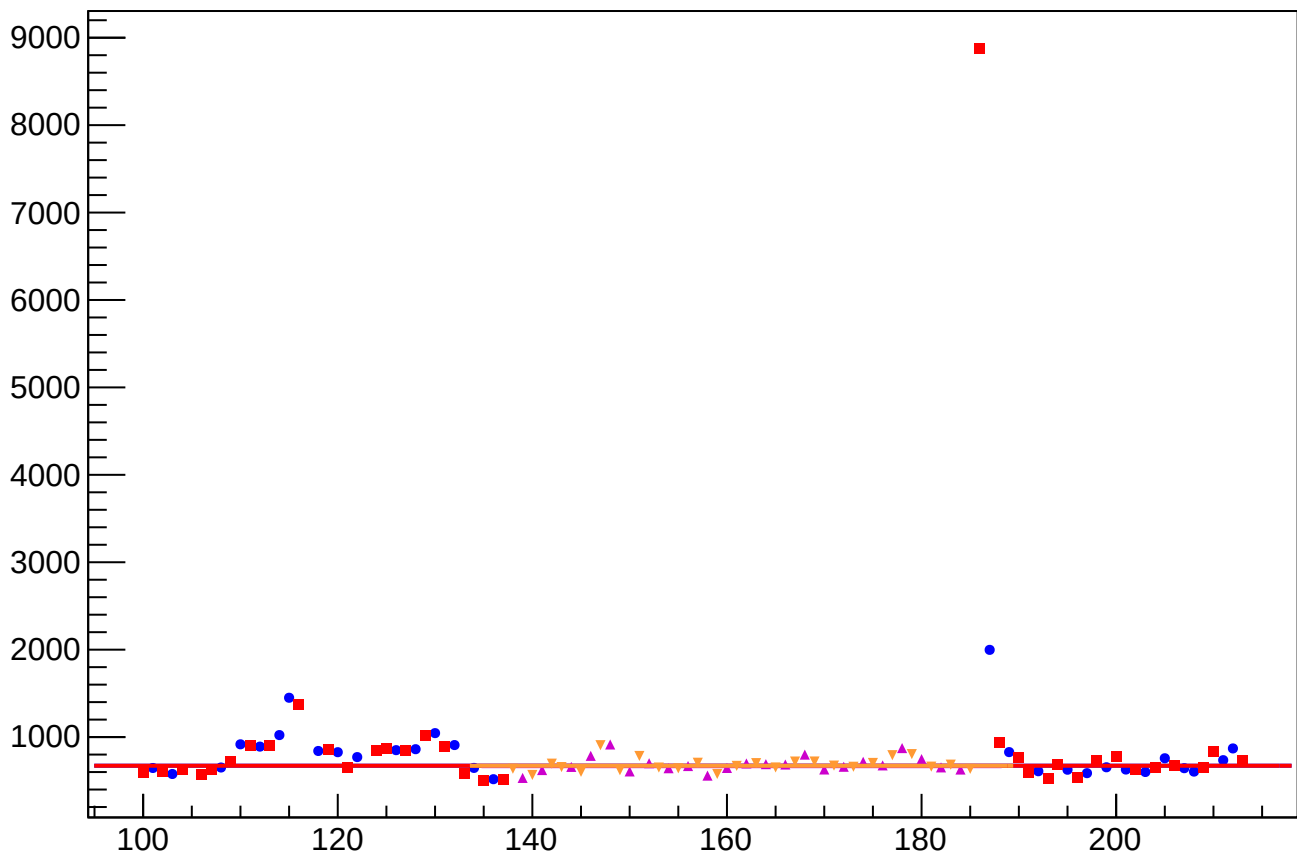
Left In: 50.266 ± 157.485 χ^2/NDF : 33.3/22

+ sign 94.153 ± 112.576 χ^2/NDF : 43.5/53

All: 155.617 ± 79.416 χ^2/NDF : 119.2/110

- sign 216.507 ± 112.049 χ^2/NDF : 75.1/56

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 672.674+/-0.117 χ^2/NDF : 1204528.6/28

Left Out: 671.849+/-0.109 χ^2/NDF : 399159.9/24

Right Out: 672.251+/-0.113 χ^2/NDF : 1967444.4/33

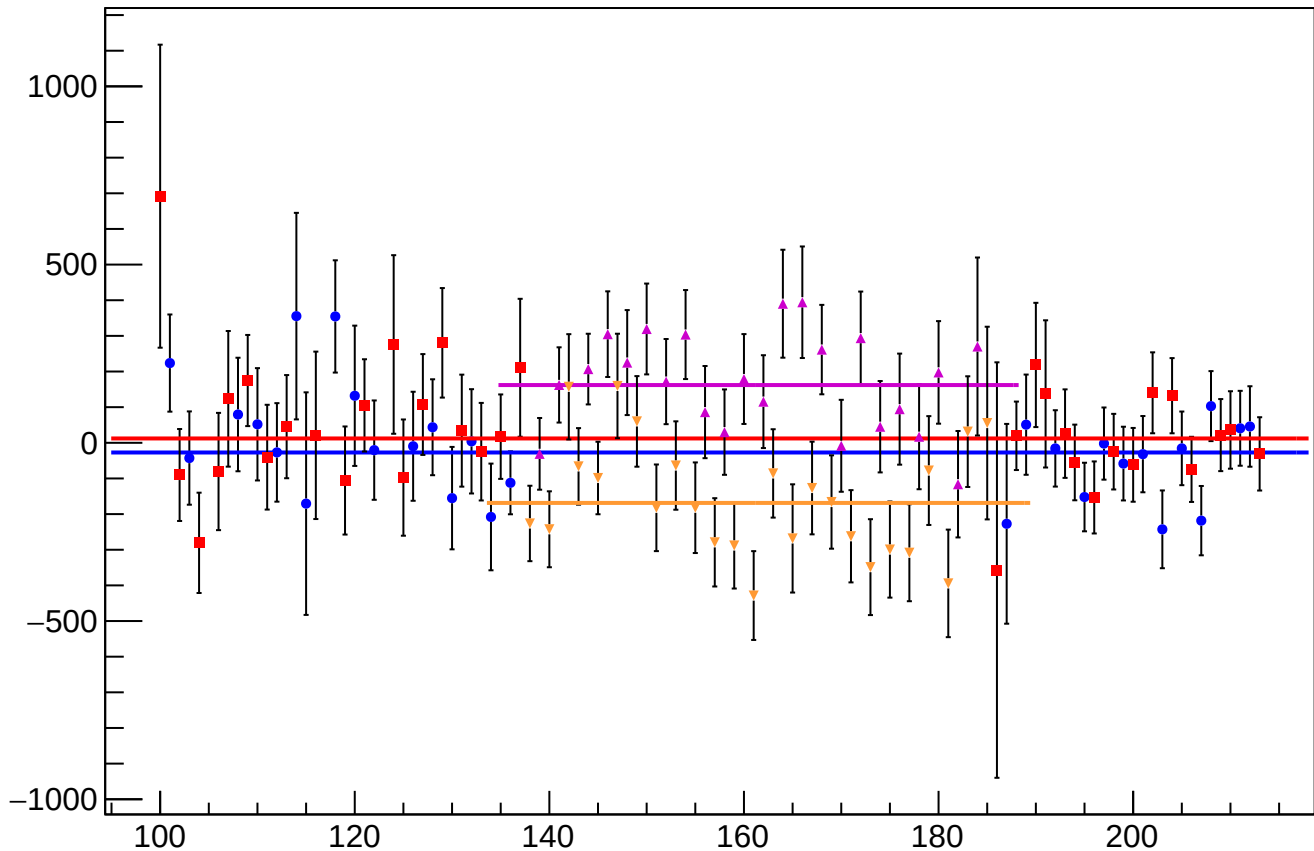
Left In: 667.341+/-0.111 χ^2/NDF : 546903.6/22

+ sign 672.233+/-0.080 χ^2/NDF : 1603715.3/53

All: 670.993+/-0.056 χ^2/NDF : 4119505.7/110

- sign 669.766+/-0.079 χ^2/NDF : 2515307.9/56

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -27.163 ± 23.289 χ^2/NDF : 29.2/28

Left Out: -168.635 ± 25.819 χ^2/NDF : 32.4/24

Right Out: 12.208 ± 22.582 χ^2/NDF : 26.9/33

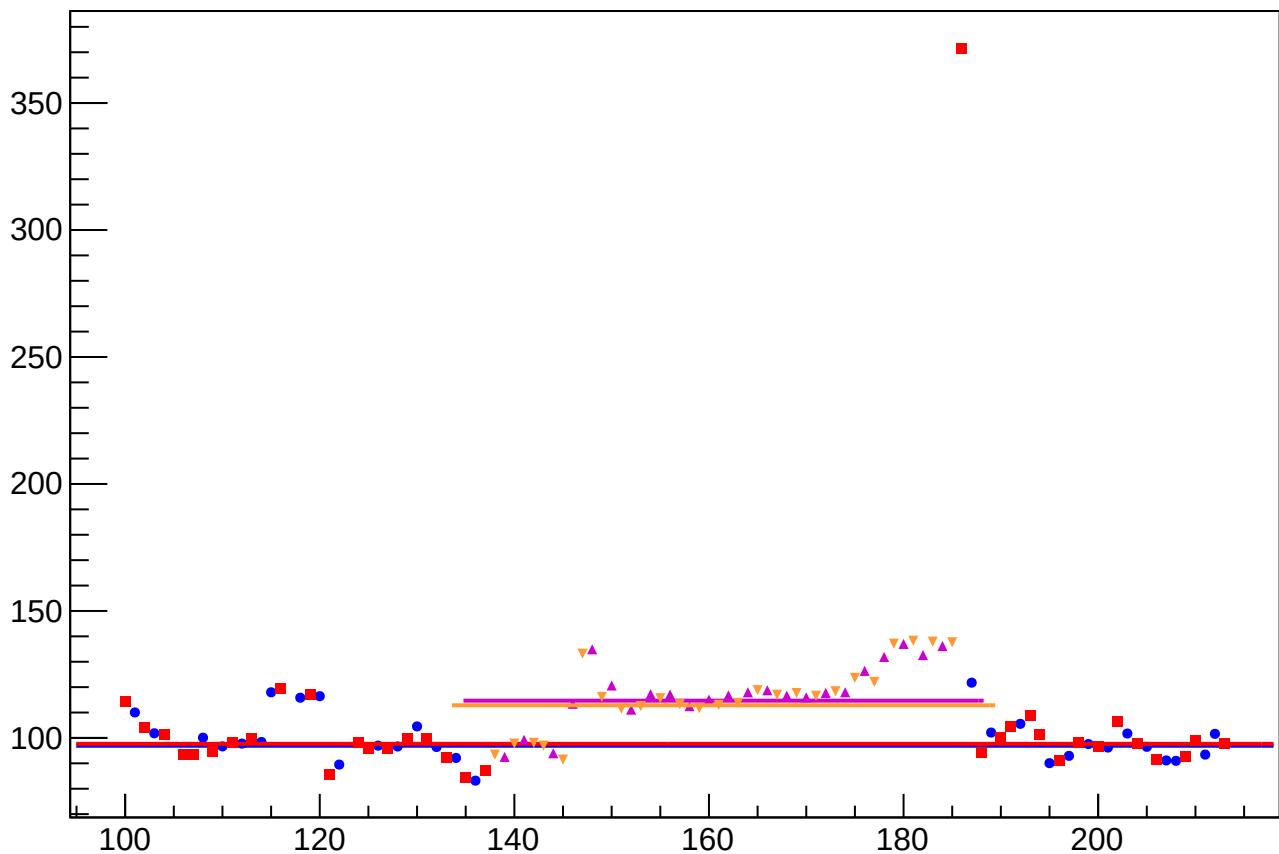
Left In: 162.028 ± 26.948 χ^2/NDF : 23.6/22

+ sign -90.629 ± 17.293 χ^2/NDF : 78.1/53

All: -8.377 ± 12.233 χ^2/NDF : 192.0/110

- sign 74.013 ± 17.308 χ^2/NDF : 68.6/56

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.932+/-0.016 χ^2/NDF : 210503.3/28

Left Out: 112.850+/-0.018 χ^2/NDF :512254.2/24

Right Out: 97.679+/-0.016 χ^2/NDF : 615351.0/33

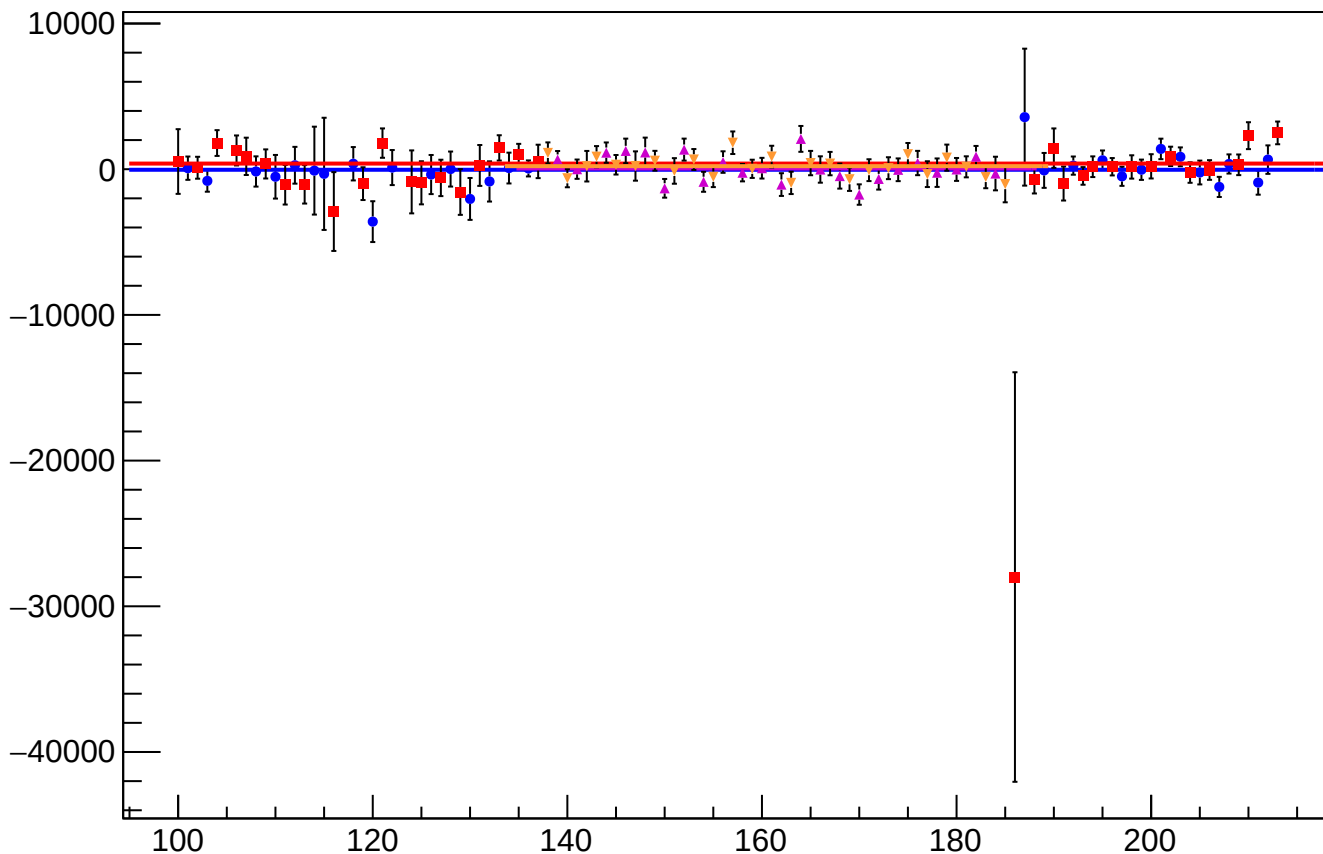
Left In: 114.677+/-0.019 χ^2/NDF :409929.2/22

+ sign 104.073+/-0.012 χ^2/NDF : 1141901.8/53

All: 104.382 ± 0.009 $\chi^2/\text{NDF}: 2635944.2/110$

- sign 104.691+/-0.012 χ^2/NDF : 1492763.3/56

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -38.360 ± 165.071 χ^2/NDF : 23.4/28

Left Out: 209.377 ± 153.926 χ^2/NDF : 18.9/24

Right Out: 386.935 ± 159.456 χ^2/NDF : 39.5/33

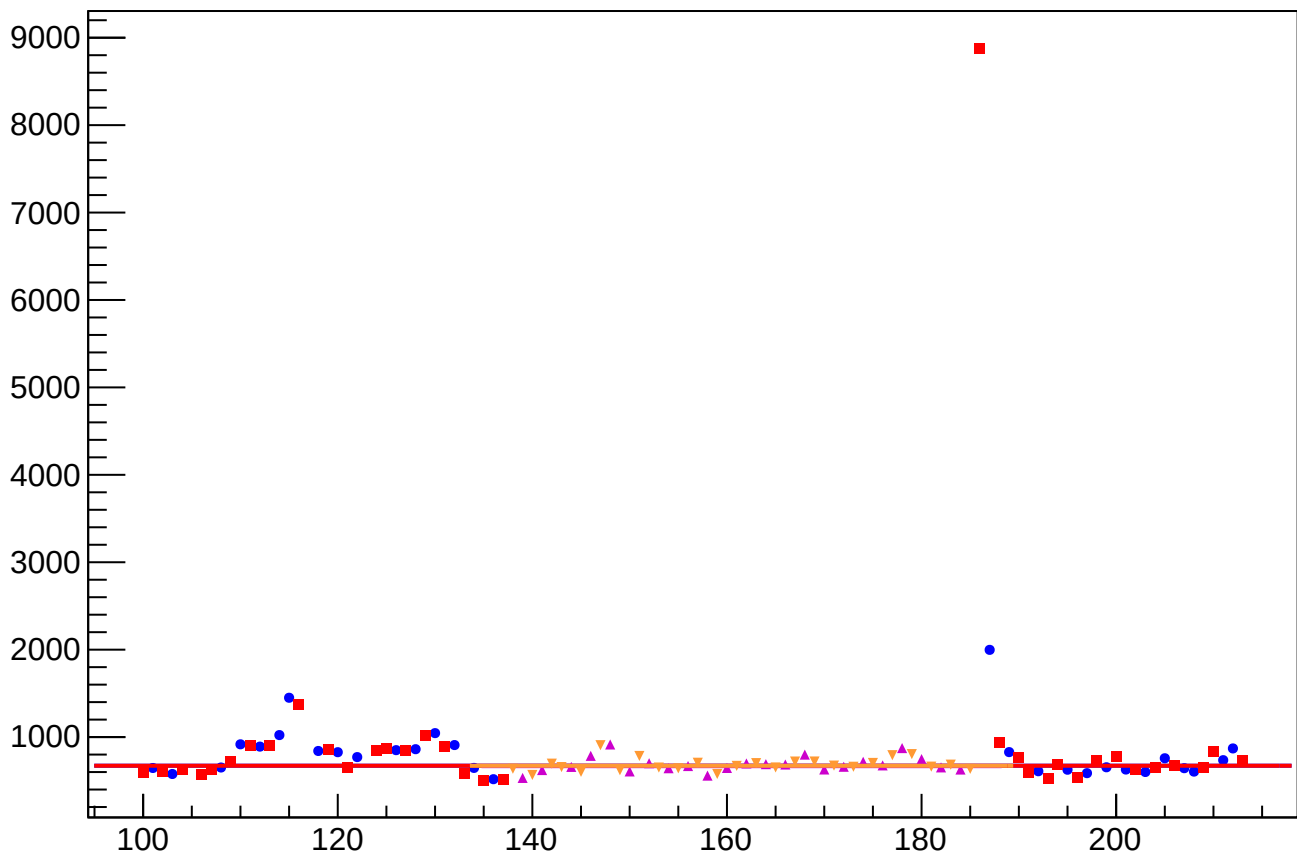
Left In: 50.267 ± 157.485 χ^2/NDF : 33.3/22

+ sign 94.153 ± 112.576 χ^2/NDF : 43.5/53

All: 155.617 ± 79.416 χ^2/NDF : 119.2/110

- sign 216.508 ± 112.049 χ^2/NDF : 75.1/56

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 672.674+/-0.117 χ^2/NDF : 1204528.9/28

Left Out: 671.849+/-0.109 χ^2/NDF : 399160.3/24

Right Out: 672.251+/-0.113 χ^2/NDF : 1967448.8/33

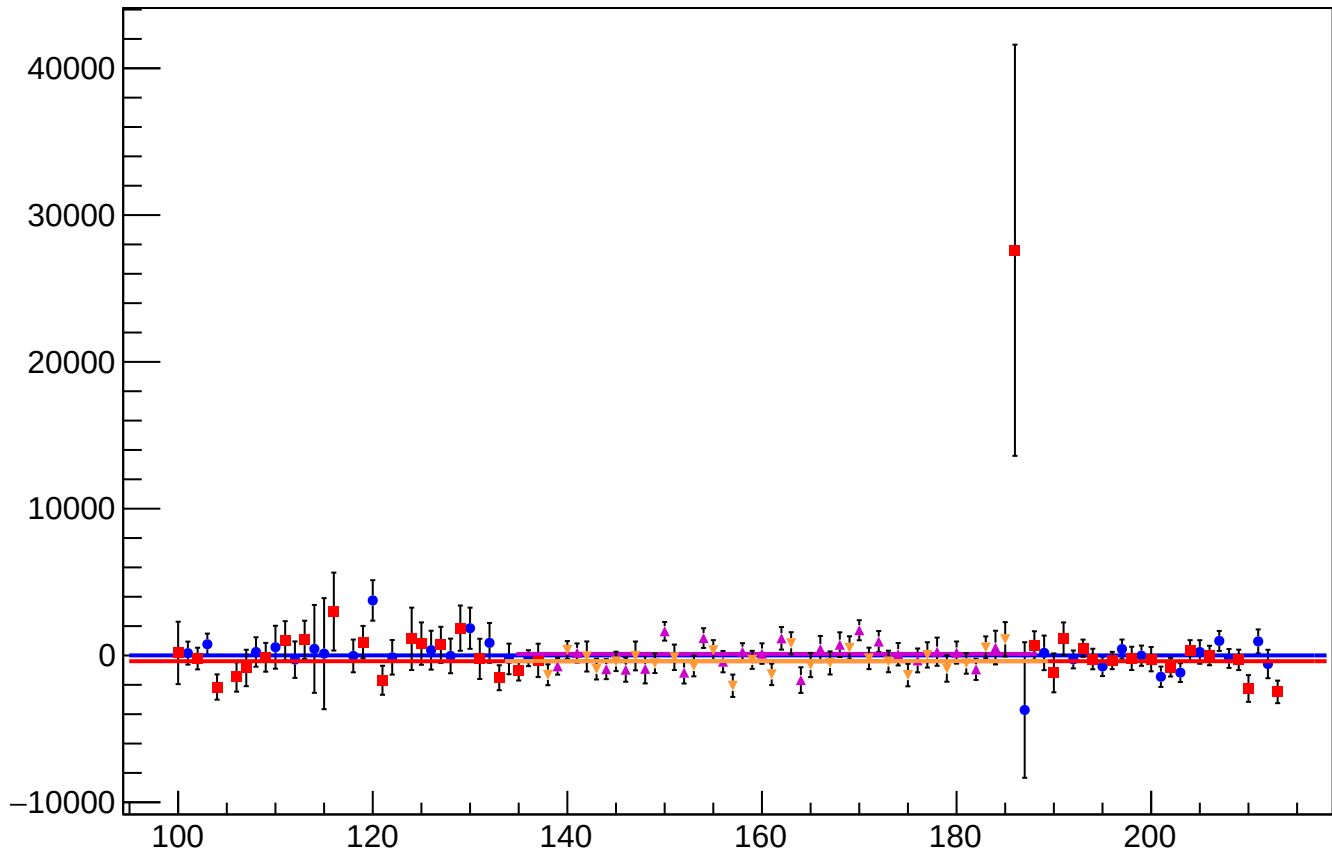
Left In: 667.342+/-0.111 χ^2/NDF : 546905.8/22

+ sign 672.233+/-0.080 χ^2/NDF : 1603715.8/53

All: 670.993+/-0.056 χ^2/NDF : 4119512.3/110

- sign 669.766+/-0.079 χ^2/NDF : 2515314.0/56

asym_sam_15_dd_mean vs Slug



Right In: 5.071 ± 162.194 χ^2/NDF : 25.6/28

Left Out: -377.221 ± 150.952 χ^2/NDF : 21.4/24

Right Out: -390.094 ± 156.328 χ^2/NDF : 42.8/33

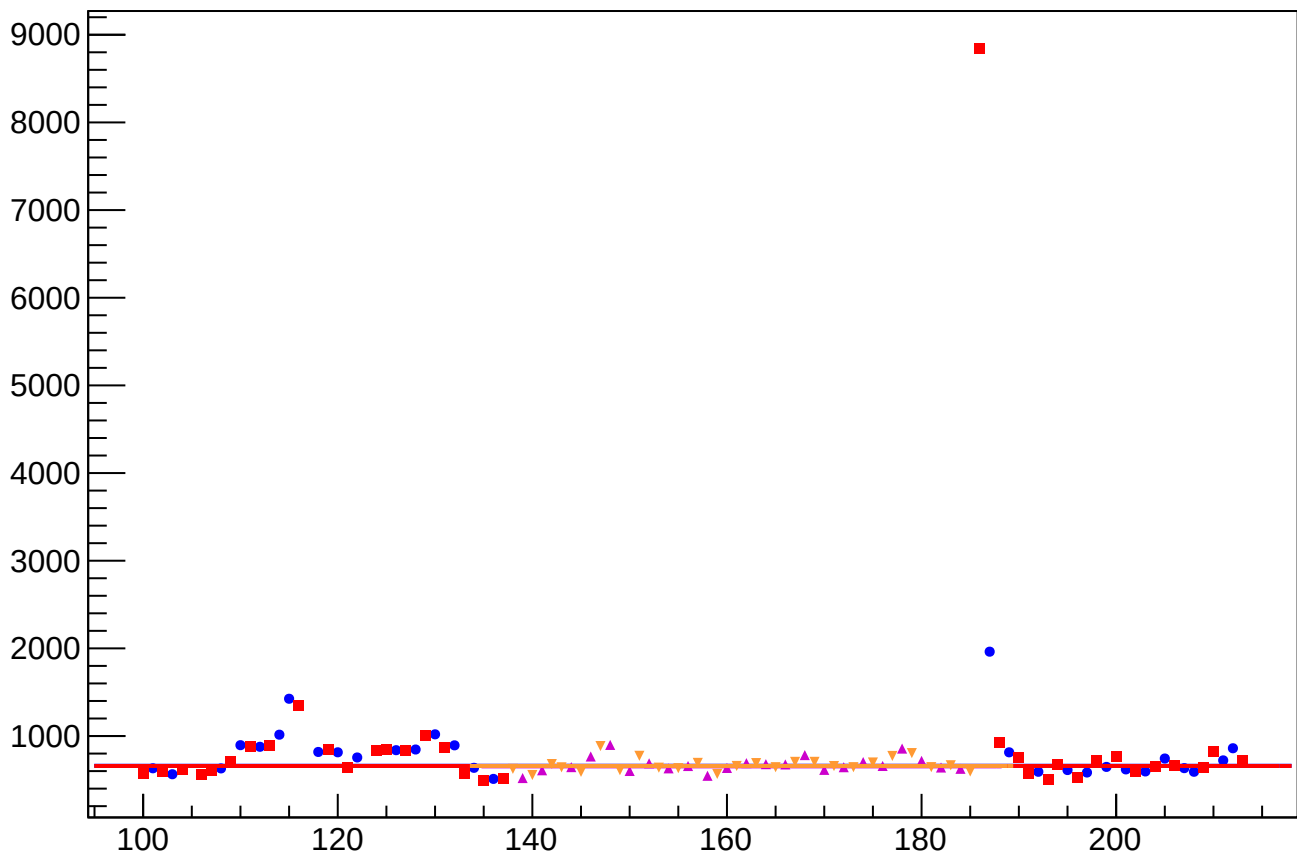
Left In: 103.321 ± 154.335 χ^2/NDF : 35.5/22

+ sign -199.782 ± 110.500 χ^2/NDF : 50.0/53

All: -169.820 ± 77.897 χ^2/NDF : 133.4/110

- sign -140.221 ± 109.829 χ^2/NDF : 83.3/56

asym_sam_15_dd_rms vs Slug



Right In: 660.906+/-0.115 χ^2/NDF : 1197938.4/28

Left Out: 658.672+/-0.107 χ^2/NDF : 409684.4/24

Right Out: 658.552+/-0.111 χ^2/NDF : 2011882.4/33

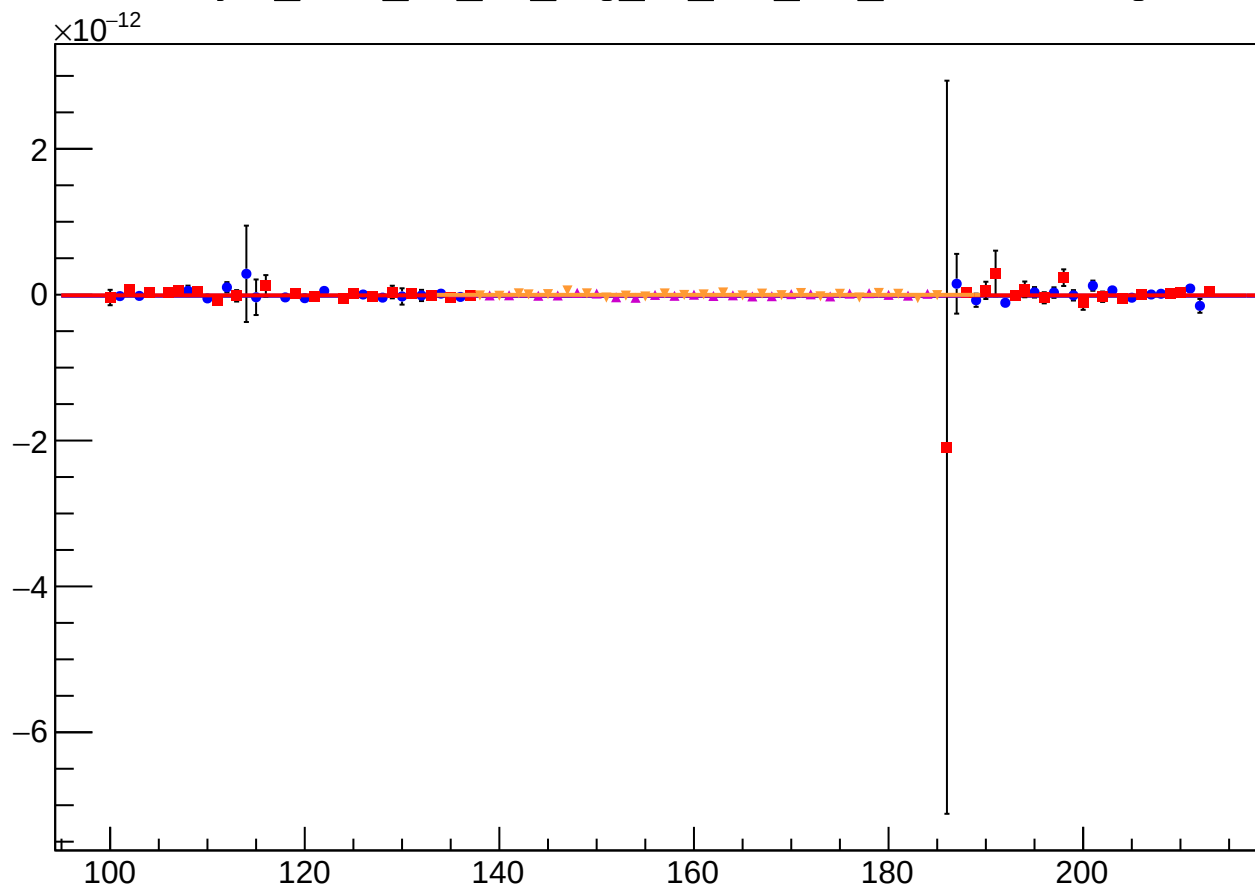
Left In: 653.950+/-0.109 χ^2/NDF : 542078.1/22

+ sign 659.709+/-0.078 χ^2/NDF : 1607826.0/53

All: 657.955+/-0.055 χ^2/NDF : 4163666.3/110

- sign 656.221+/-0.078 χ^2/NDF : 2554838.2/56

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 26.7/28

Left Out: -0.000+/-0.000 χ^2/NDF : 31.8/24

Right Out: -0.000+/-0.000 χ^2/NDF : 28.2/33

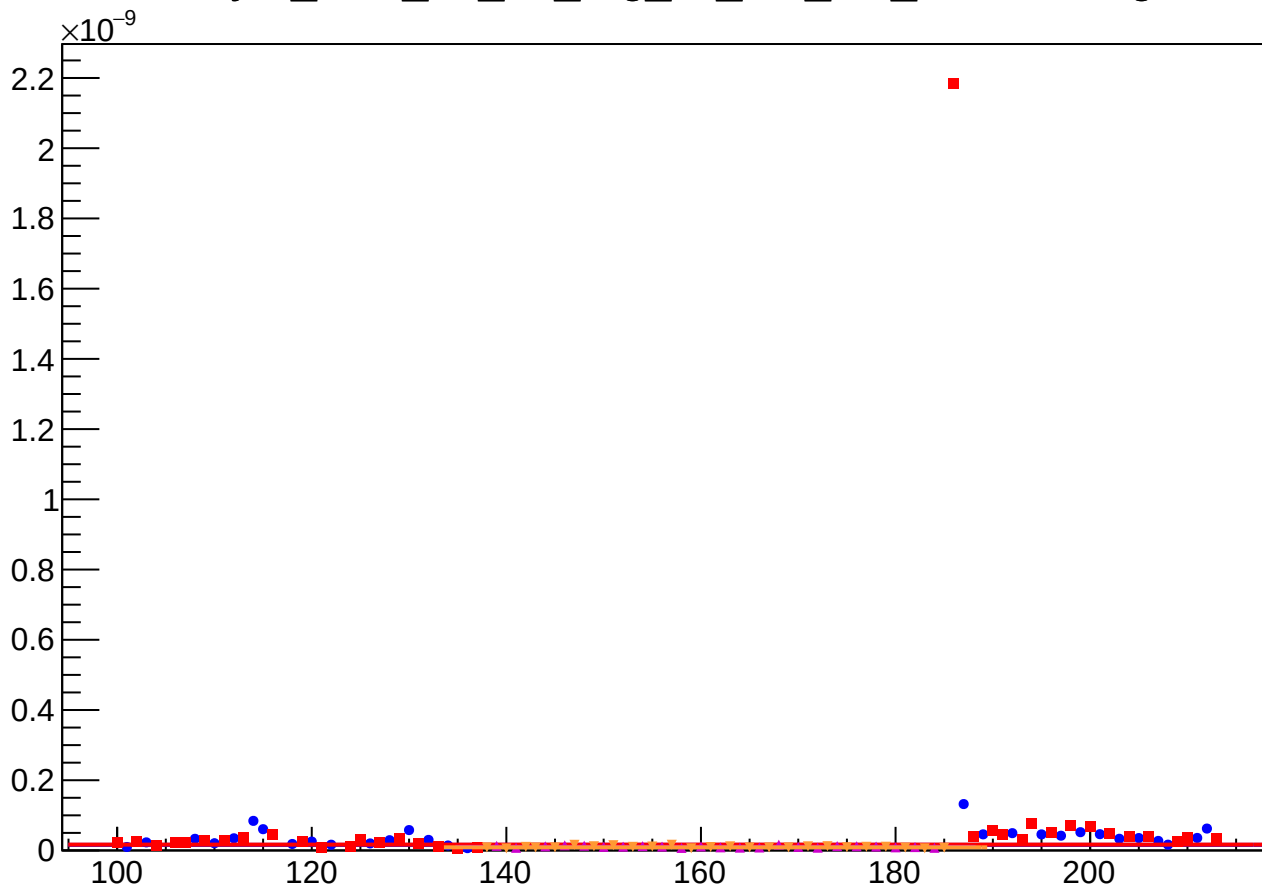
Left In: -0.000+/-0.000 χ^2/NDF : 15.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 61.1/53

All: -0.000+/-0.000 χ^2/NDF : 105.6/110

- sign -0.000+/-0.000 χ^2/NDF : 43.8/56

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6423449.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7752914.7/33

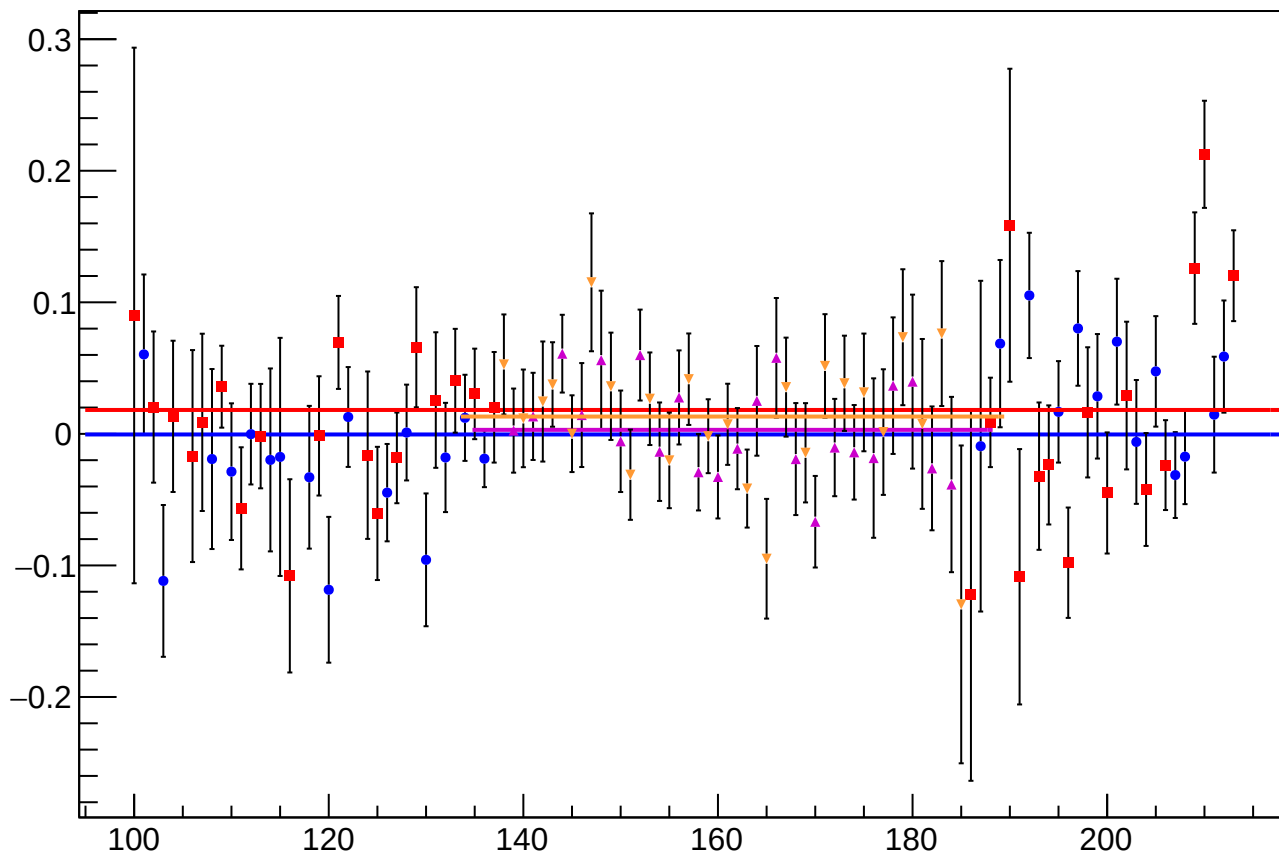
Left In: 0.000+/-0.000 χ^2/NDF : 659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 9026947.4/53

All: 0.000+/-0.000 χ^2/NDF : 18877869.2/110

- sign 0.000+/-0.000 χ^2/NDF : 9670092.5/56

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 33.0/28

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.018 ± 0.008 χ^2/NDF : 71.0/33

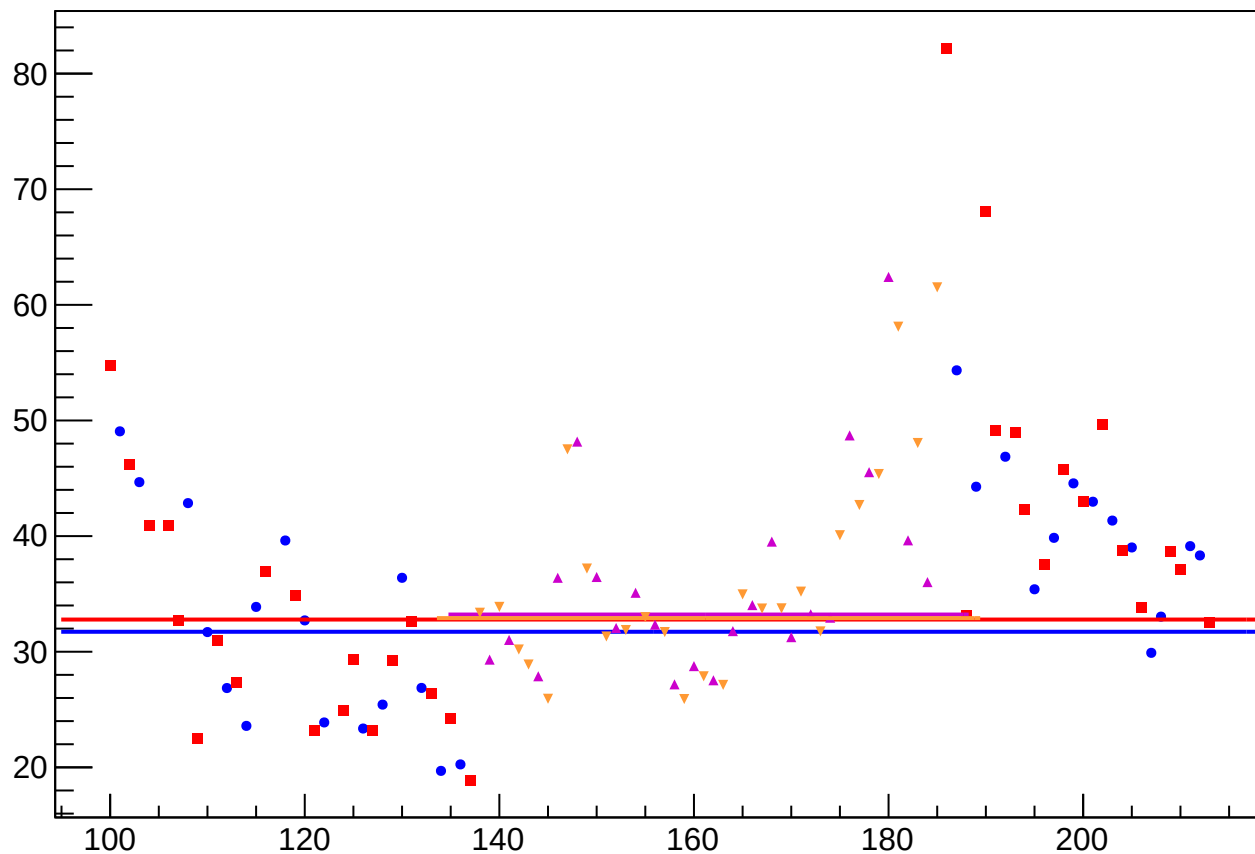
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.007 ± 0.006 χ^2/NDF : 59.9/53

All: 0.009 ± 0.004 χ^2/NDF : 152.2/110

- sign 0.011 ± 0.006 χ^2/NDF : 92.0/56

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.726 ± 0.006 $\chi^2/\text{NDF}: 2492214.9/28$

Left Out: 32.907 ± 0.005 $\chi^2/\text{NDF}: 1427924.1/24$

Right Out: 32.784 ± 0.006 $\chi^2/\text{NDF}: 2486456.7/33$

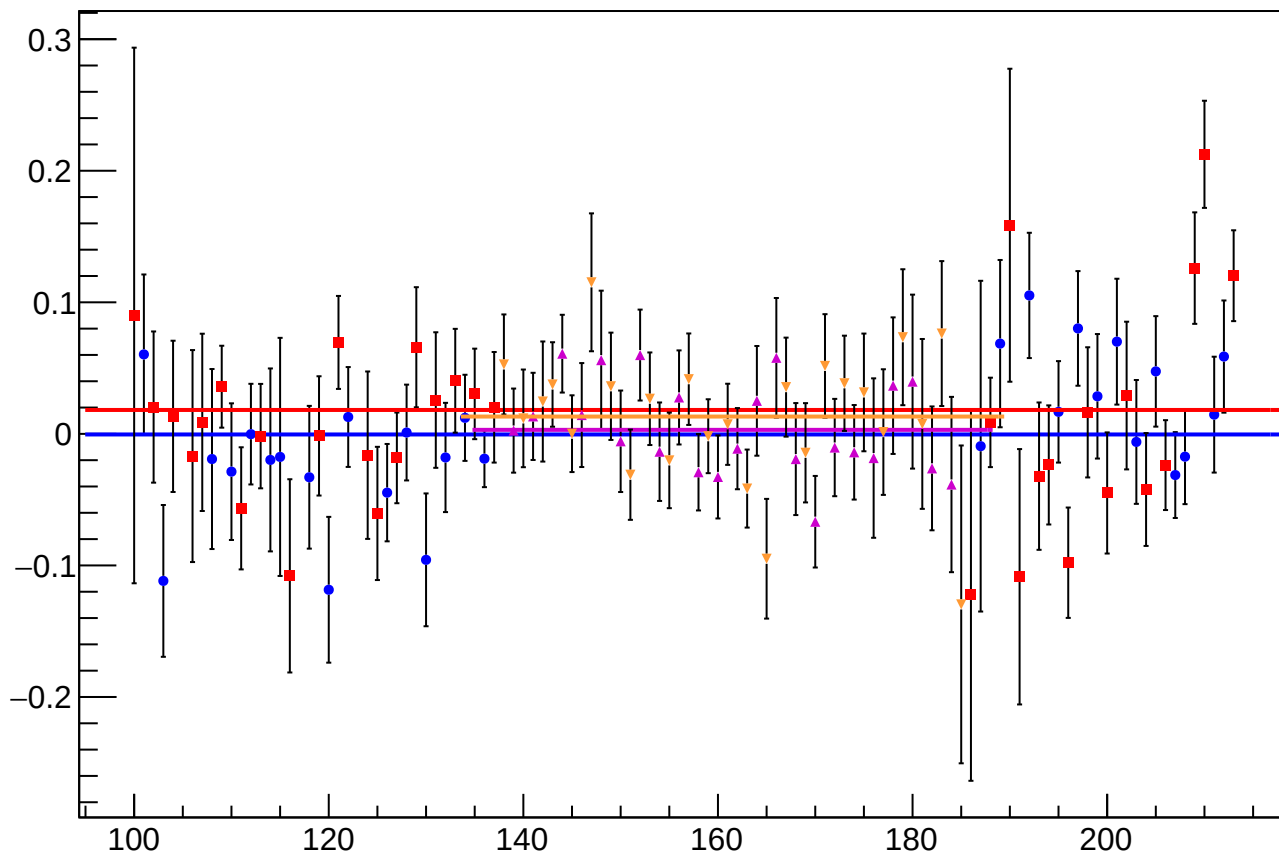
Left In: 33.217 ± 0.006 $\chi^2/\text{NDF}: 1221447.0/22$

+ sign 32.340 ± 0.004 $\chi^2/\text{NDF}: 3942861.8/53$

All: 32.665 ± 0.003 $\chi^2/\text{NDF}: 7667719.3/110$

- sign 32.998 ± 0.004 $\chi^2/\text{NDF}: 3710887.4/56$

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 33.0/28

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.018 ± 0.008 χ^2/NDF : 71.0/33

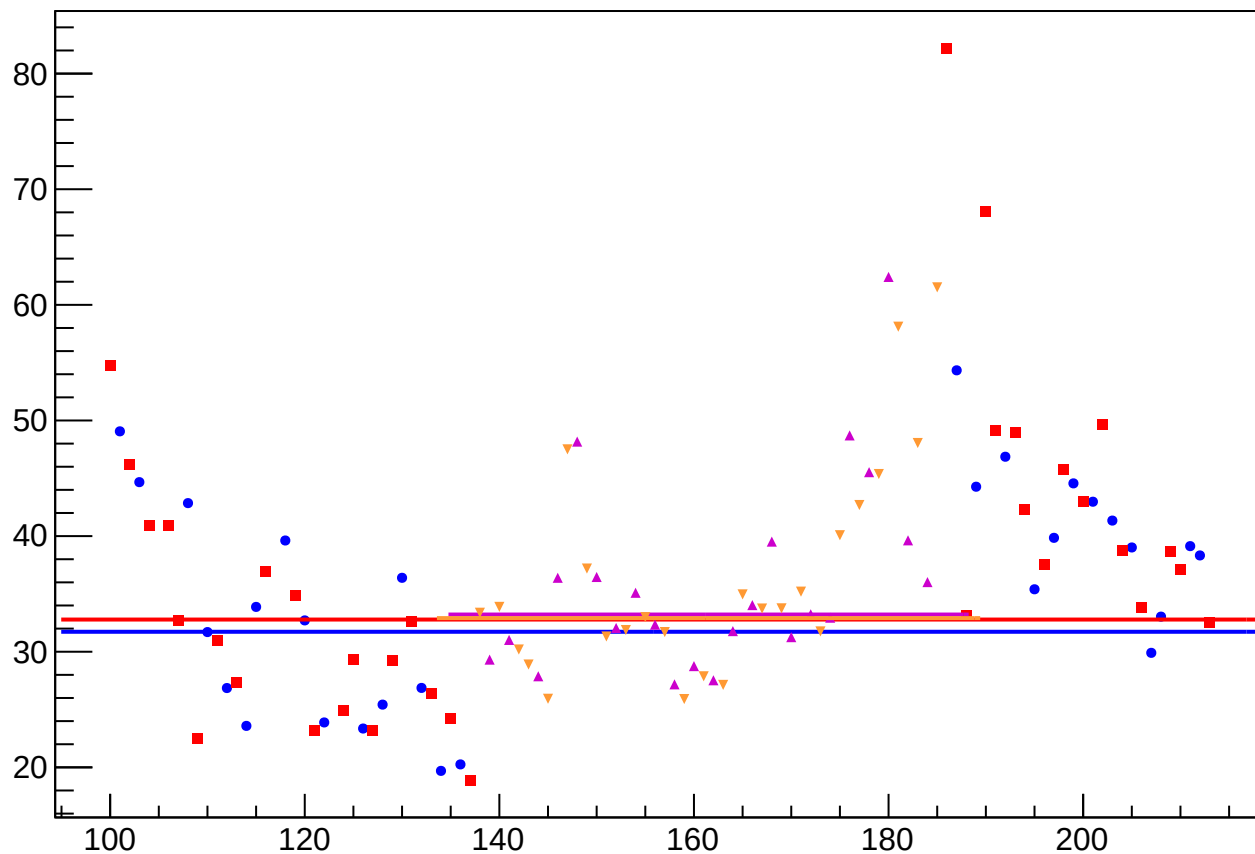
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.007 ± 0.006 χ^2/NDF : 59.9/53

All: 0.009 ± 0.004 χ^2/NDF : 152.2/110

- sign 0.011 ± 0.006 χ^2/NDF : 92.0/56

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.726 $\pm$ 0.006 χ^2 /NDF: 2492214.9/28

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF:1427924.1/24

Right Out: 32.784 $\pm$ 0.006 χ^2 /NDF: 2486456.7/33

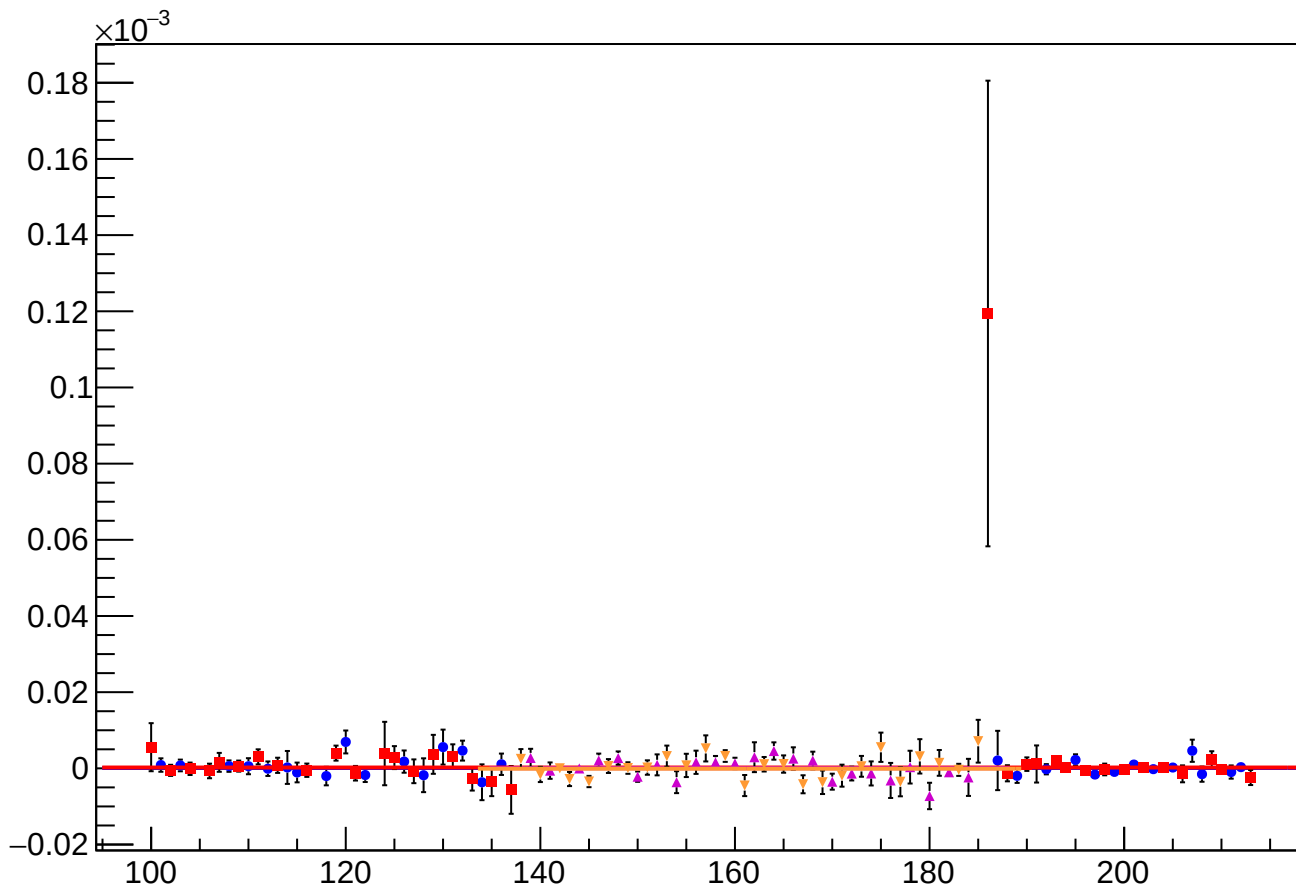
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF:1221447.0/22

+ sign 32.340 $\pm$ 0.004 χ^2 /NDF: 3942861.8/53

All: 32.665 $\pm$ 0.003 χ^2 /NDF: 7667719.3/110

- sign 32.998 $\pm$ 0.004 χ^2 /NDF: 3710887.4/56

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/33

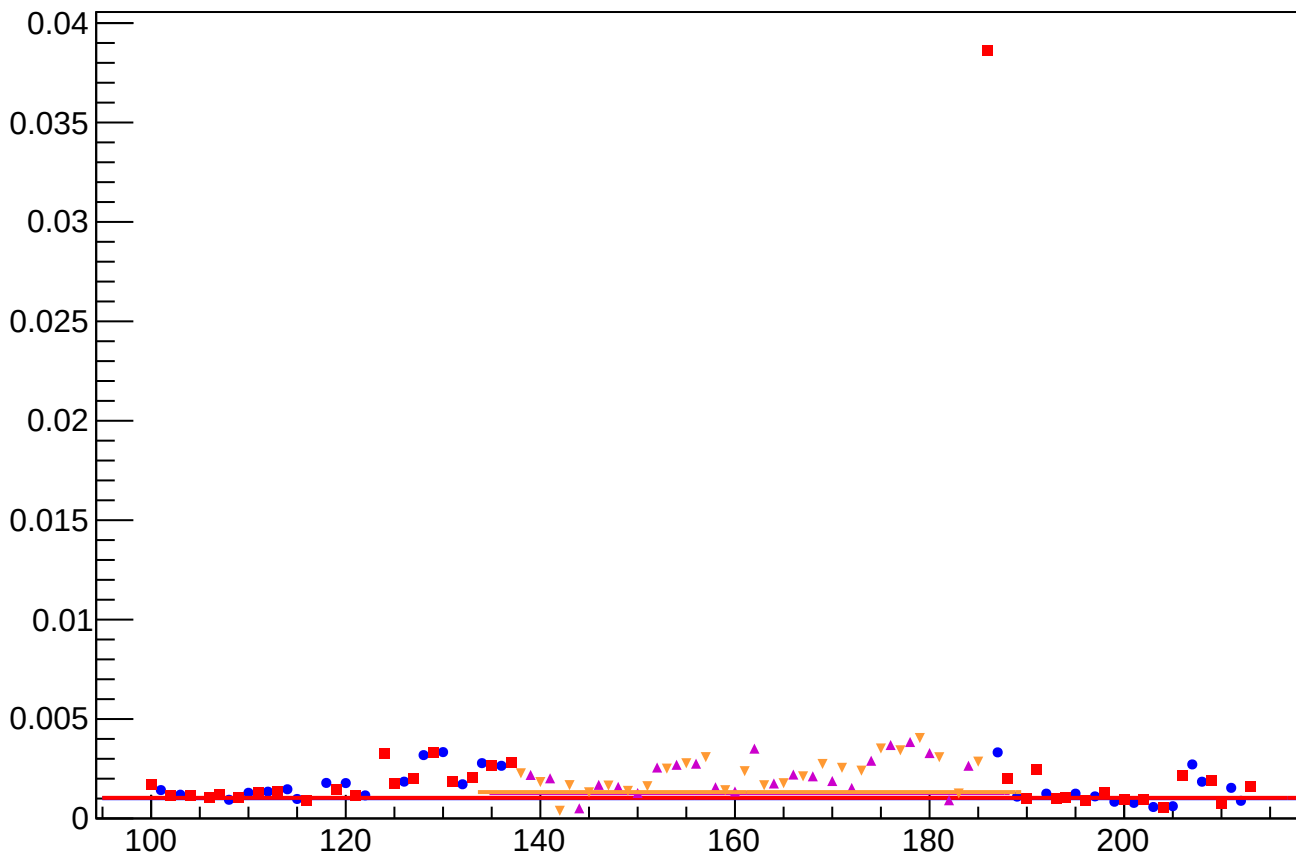
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.0/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 108.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.1/56

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5976848.6/28

Left Out: 0.001+/-0.000 χ^2/NDF :11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF : 6183543.8/33

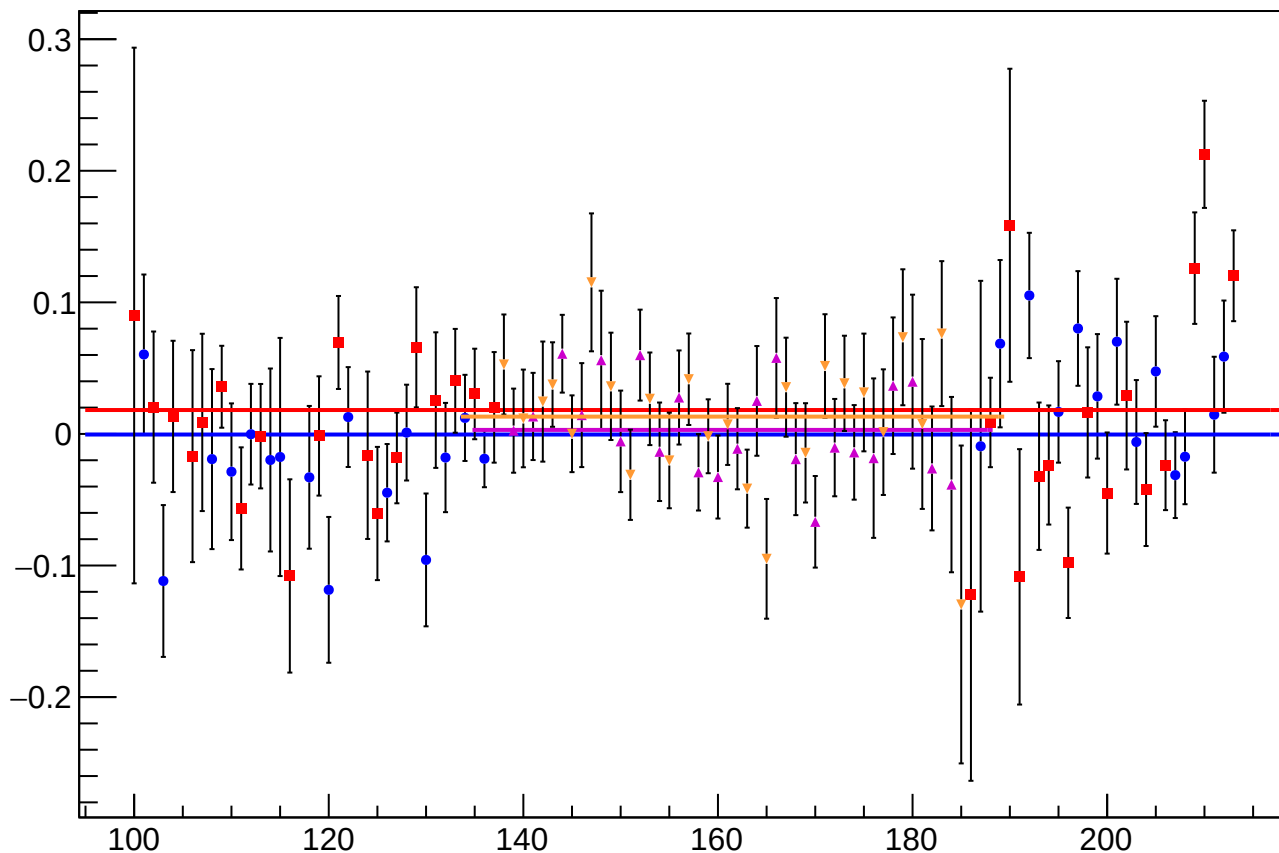
Left In: 0.001+/-0.000 χ^2/NDF :9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 18029219.2/53

All: 0.001+/-0.000 χ^2/NDF : 34664533.8/110

- sign 0.001+/-0.000 χ^2/NDF : 16633634.2/56

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 33.0/28

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.018 ± 0.008 χ^2/NDF : 71.0/33

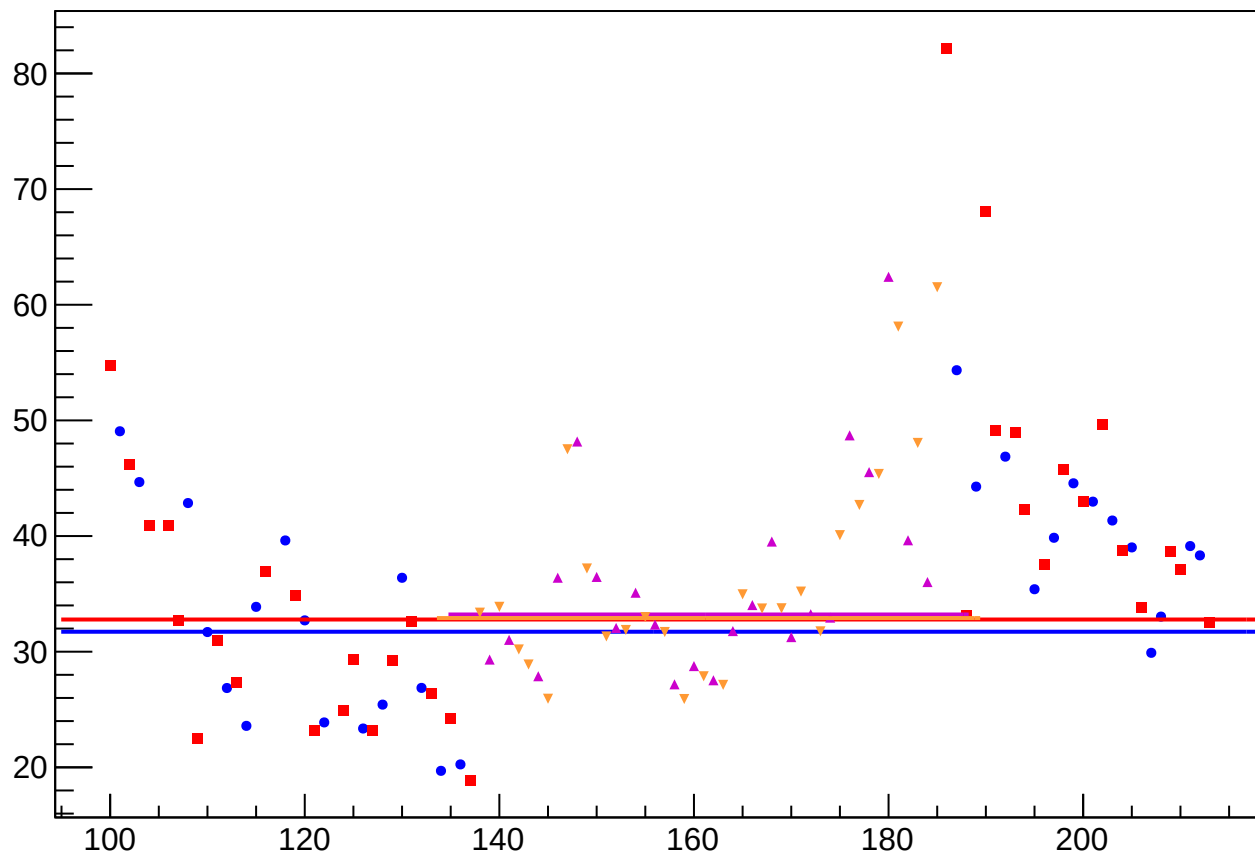
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.007 ± 0.006 χ^2/NDF : 59.9/53

All: 0.009 ± 0.004 χ^2/NDF : 152.2/110

- sign 0.011 ± 0.006 χ^2/NDF : 92.0/56

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.726 $\pm$ 0.006 χ^2 /NDF: 2492436.7/28

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF:1427993.7/24

Right Out: 32.783 $\pm$ 0.006 χ^2 /NDF: 2486800.0/33

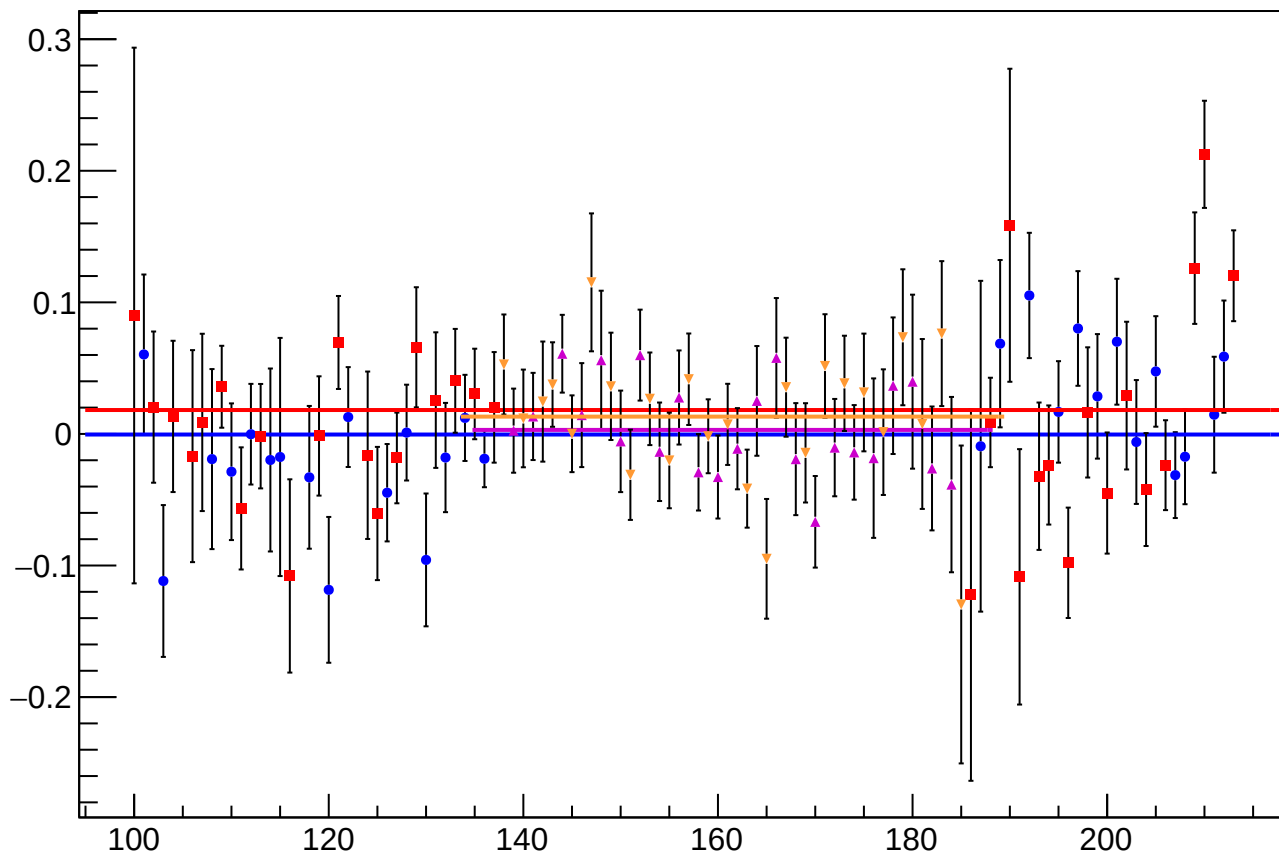
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF:1221516.5/22

+ sign 32.339 $\pm$ 0.004 χ^2 /NDF: 3943183.8/53

All: 32.664 $\pm$ 0.003 χ^2 /NDF: 7668466.5/110

- sign 32.998 $\pm$ 0.004 χ^2 /NDF: 3711315.6/56

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 33.0/28

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.018 ± 0.008 χ^2/NDF : 71.0/33

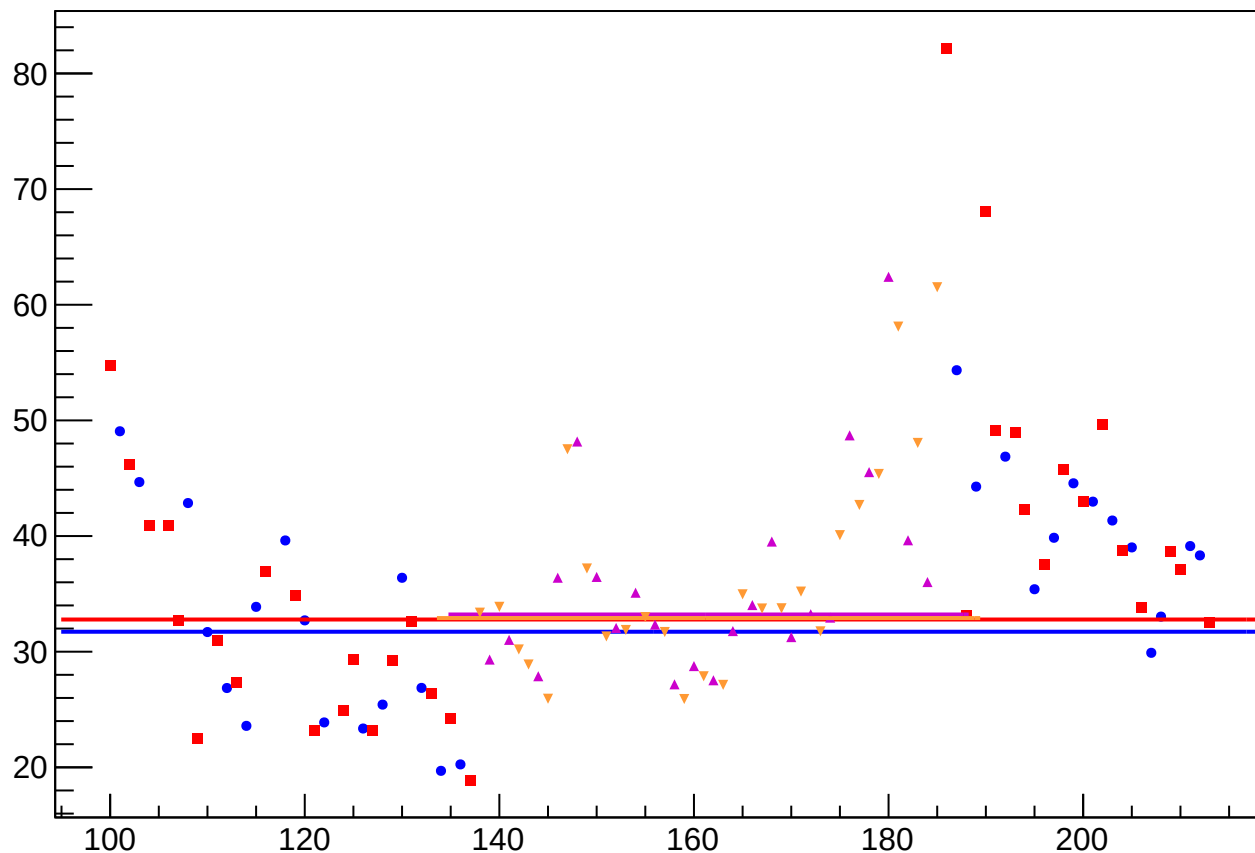
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.007 ± 0.006 χ^2/NDF : 59.9/53

All: 0.009 ± 0.004 χ^2/NDF : 152.2/110

- sign 0.011 ± 0.006 χ^2/NDF : 92.0/56

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.726 $\pm$ 0.006 χ^2 /NDF: 2492436.7/28

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 32.783 $\pm$ 0.006 χ^2 /NDF: 2486800.0/33

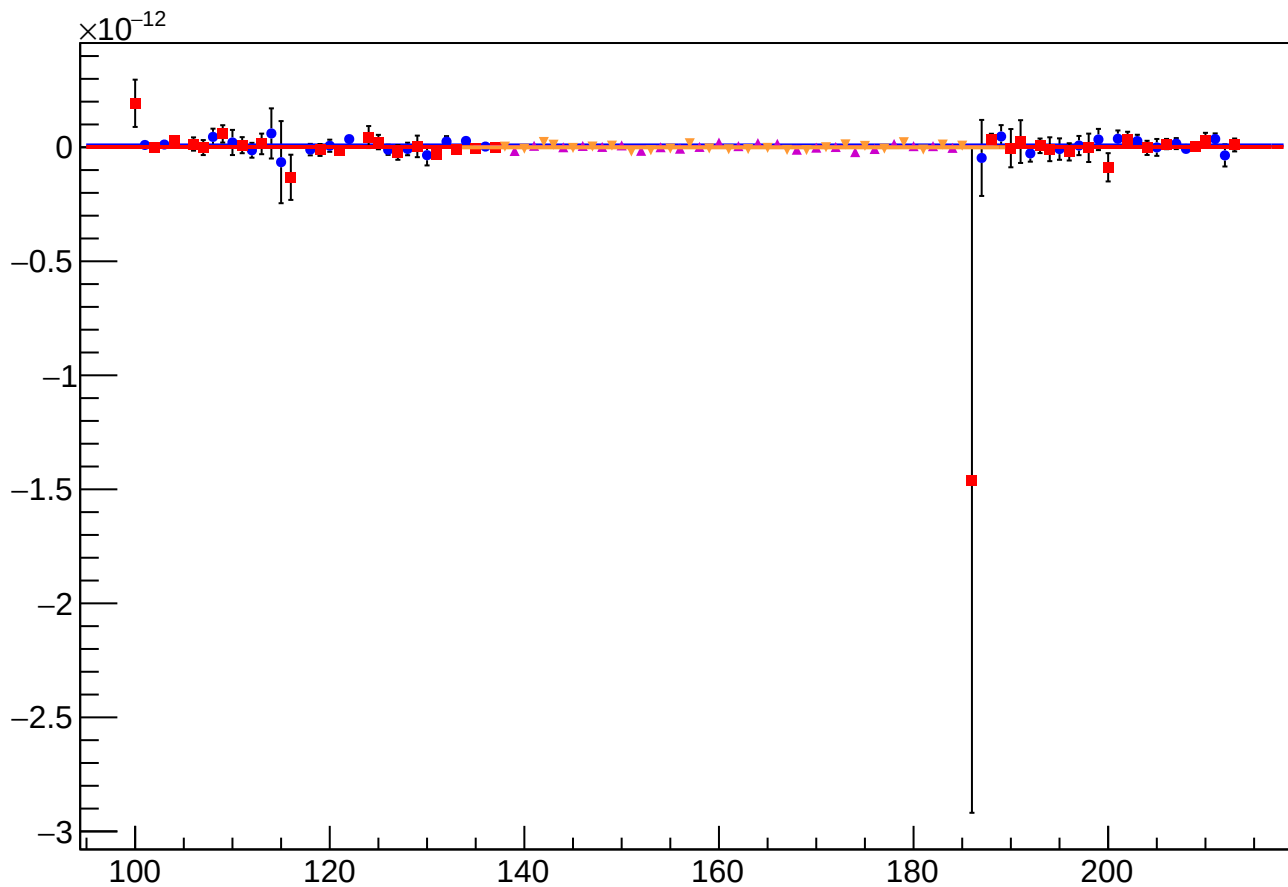
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 32.339 $\pm$ 0.004 χ^2 /NDF: 3943183.8/53

All: 32.664 $\pm$ 0.003 χ^2 /NDF: 7668466.5/110

- sign 32.998 $\pm$ 0.004 χ^2 /NDF: 3711315.6/56

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 14.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.6/33

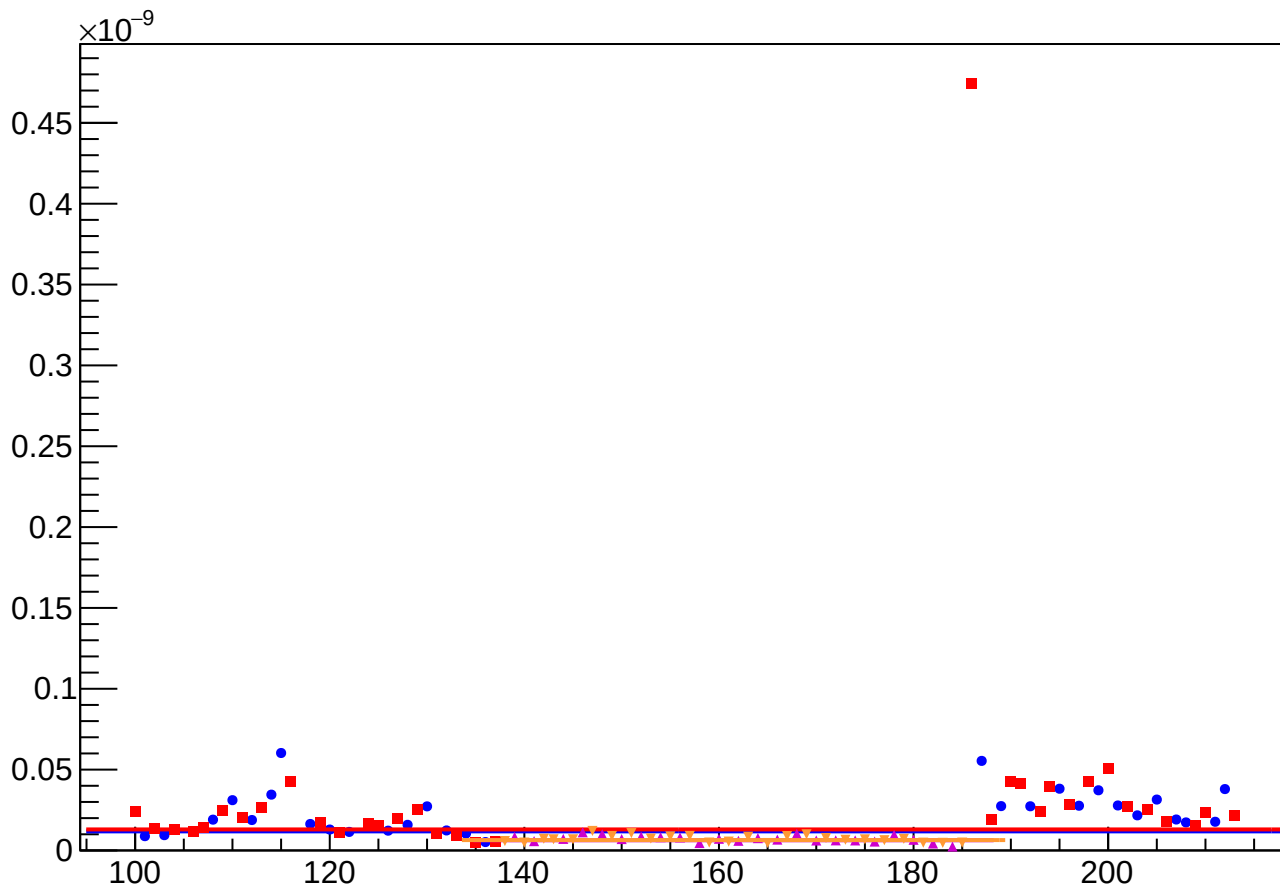
Left In: 0.000 ± 0.000 χ^2/NDF : 25.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 48.8/53

All: 0.000 ± 0.000 χ^2/NDF : 96.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 47.9/56

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7640085.3/28

Left Out: 0.000+/-0.000 χ^2/NDF :1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7631833.0/33

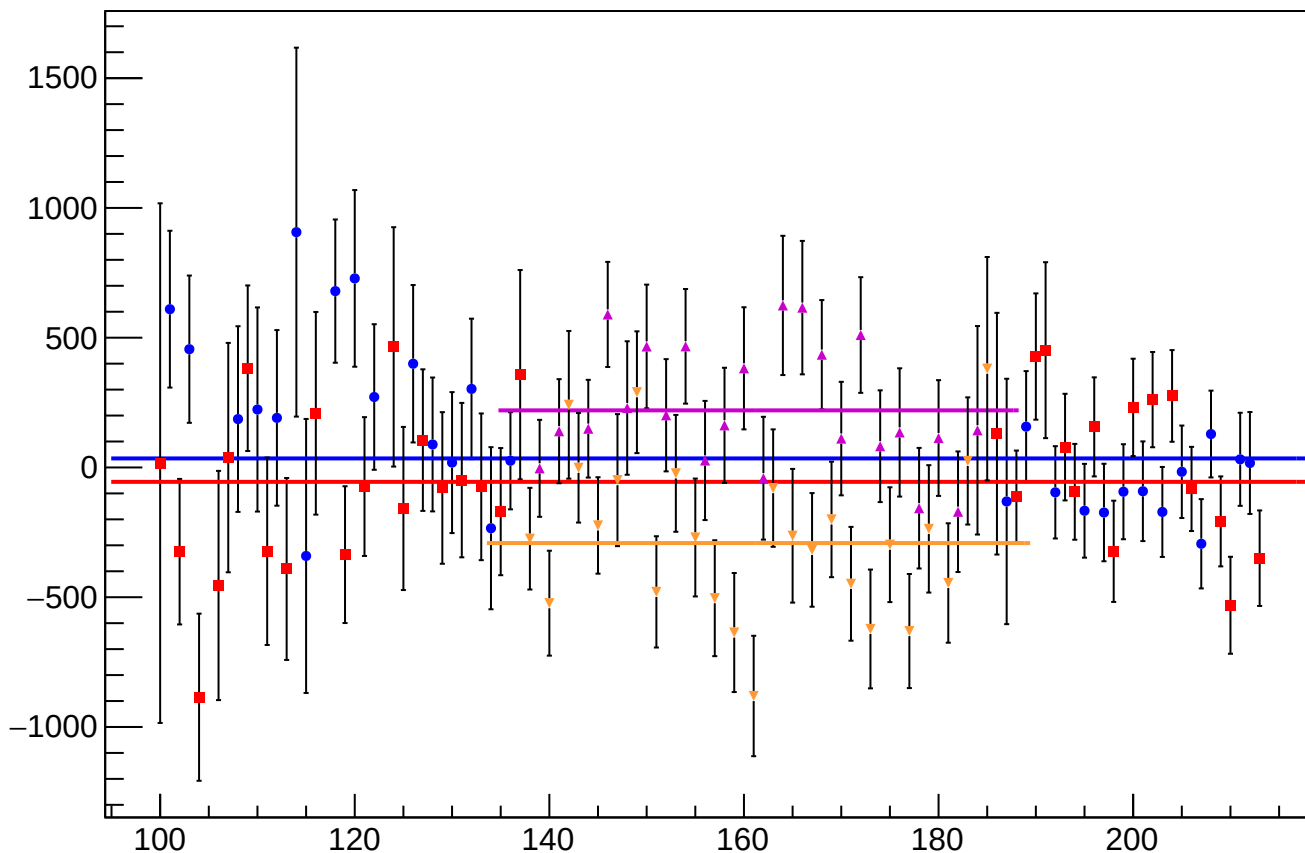
Left In: 0.000+/-0.000 χ^2/NDF :2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 12404012.0/53

All: 0.000+/-0.000 χ^2/NDF : 26231570.8/110

- sign 0.000+/-0.000 χ^2/NDF : 13825199.8/56

reg_asym_sam_26_dd_mean vs Slug



Right In: 34.809 ± 42.892 $\chi^2/\text{NDF}: 31.9/28$

Left Out: -291.313 ± 45.614 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -55.456 ± 41.913 $\chi^2/\text{NDF}: 45.1/33$

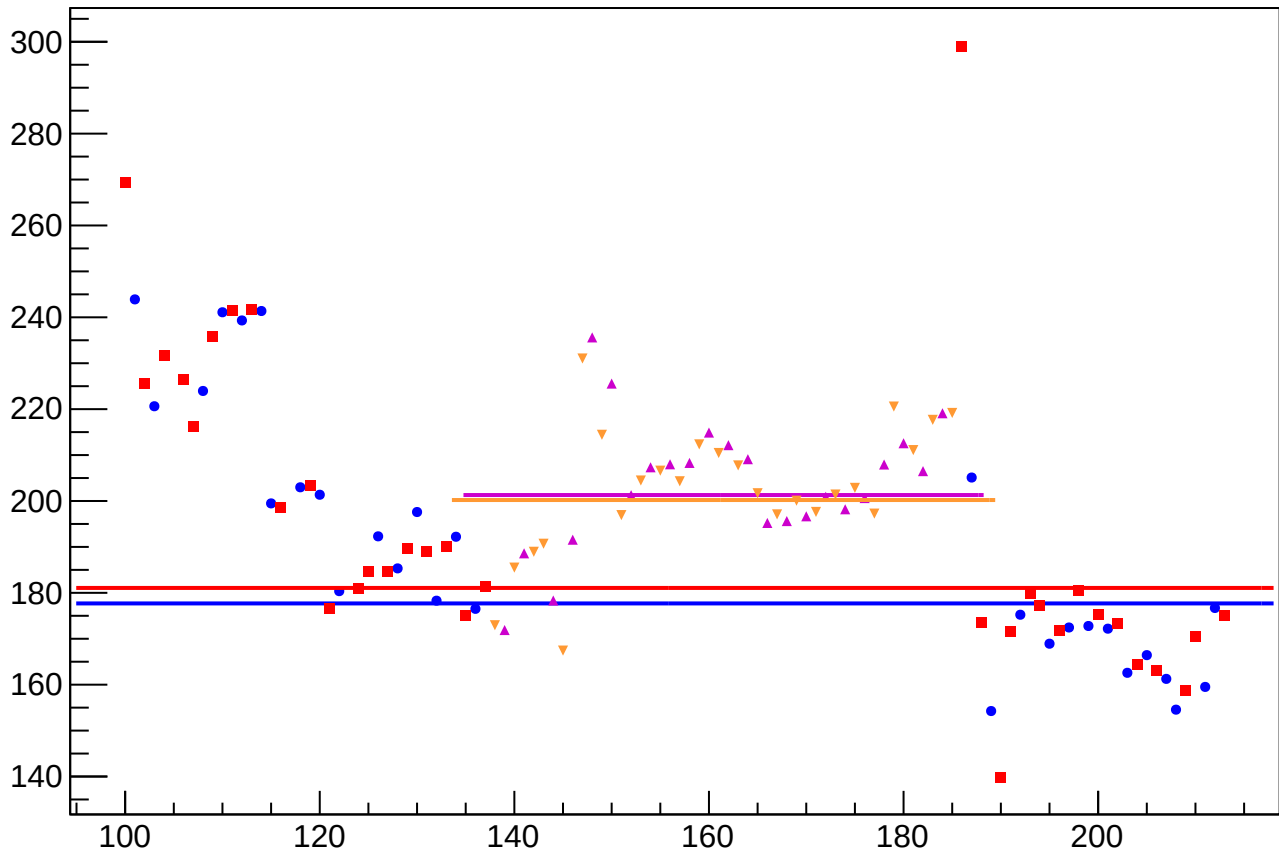
Left In: 219.974 ± 47.146 $\chi^2/\text{NDF}: 23.7/22$

+ sign -118.232 ± 31.247 $\chi^2/\text{NDF}: 95.4/53$

All: -26.278 ± 22.122 $\chi^2/\text{NDF}: 200.6/110$

- sign 66.131 ± 31.324 $\chi^2/\text{NDF}: 87.9/56$

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.693 $\pm$ 0.030 χ^2 /NDF: 502058.2/28

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204393.9/24

Right Out: 181.067 $\pm$ 0.030 χ^2 /NDF: 636365.7/33

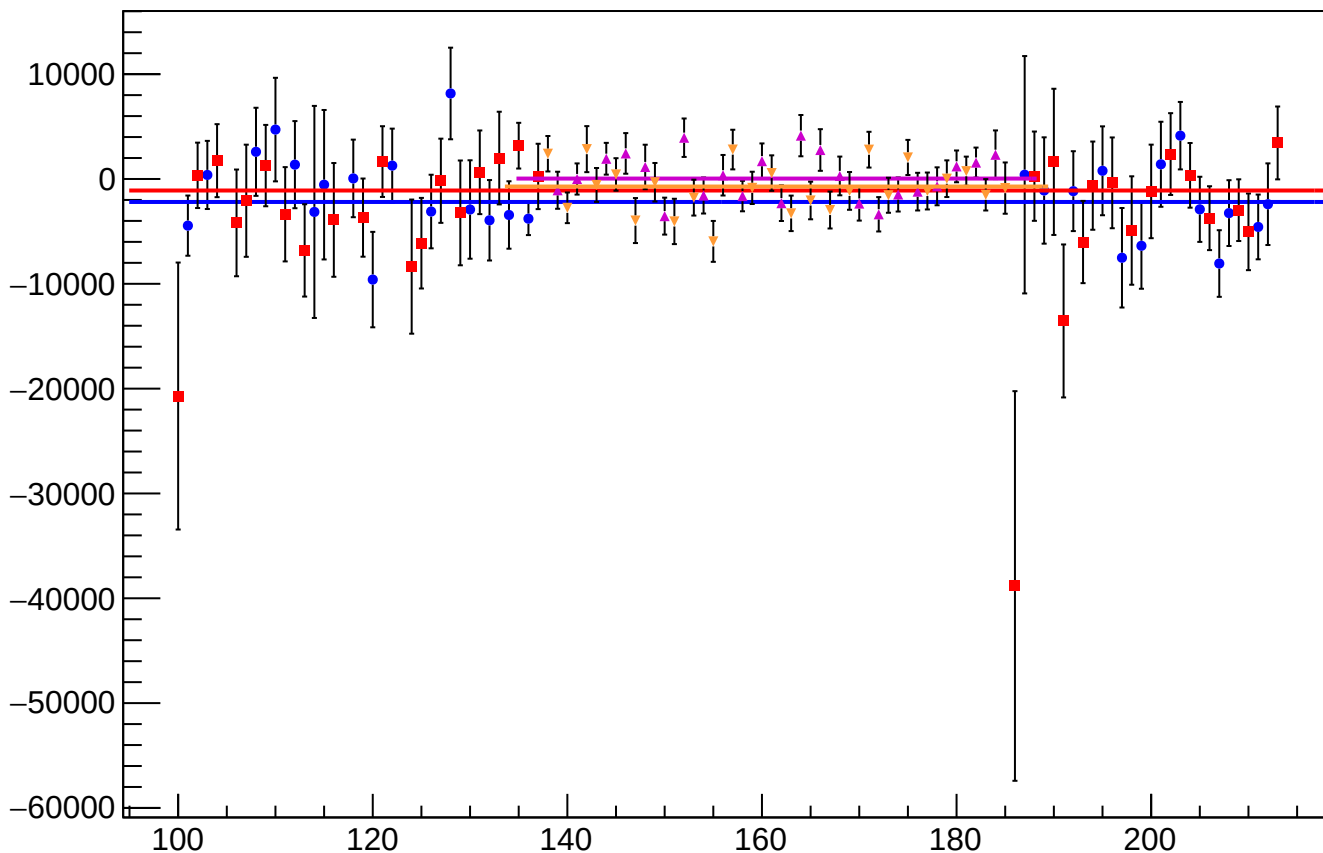
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 188.260 $\pm$ 0.022 χ^2 /NDF: 965105.3/53

All: 189.127 $\pm$ 0.016 χ^2 /NDF: 1991895.9/110

- sign 189.998 $\pm$ 0.022 χ^2 /NDF: 1023704.9/56

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2192.553 ± 664.868 χ^2/NDF : 28.2/28

Left Out: -720.700 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -1099.471 ± 682.839 χ^2/NDF : 29.5/33

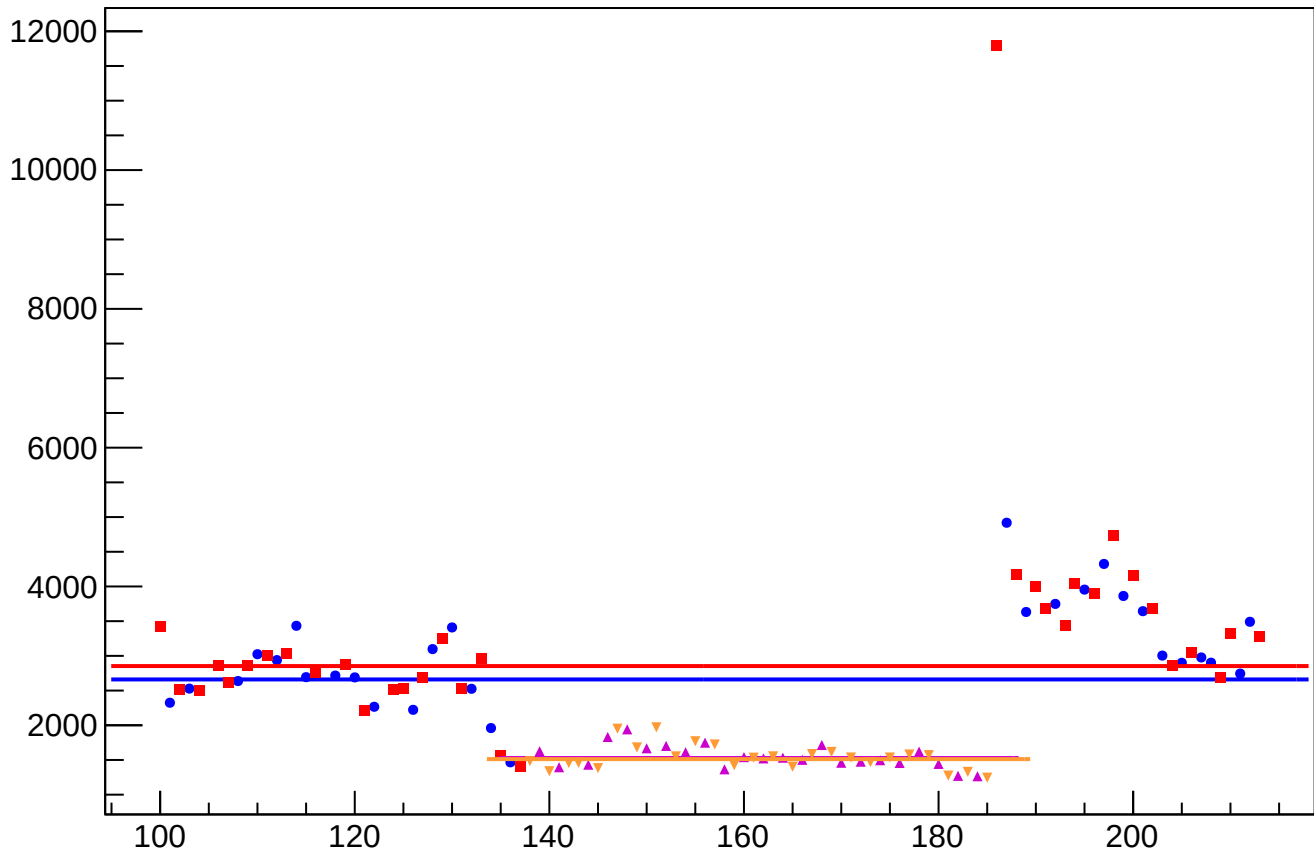
Left In: 39.277 ± 359.265 χ^2/NDF : 34.4/22

+ sign -1034.898 ± 307.189 χ^2/NDF : 70.3/53

All: -635.482 ± 220.920 χ^2/NDF : 139.8/110

- sign -207.606 ± 317.944 χ^2/NDF : 66.0/56

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2660.274 $\pm$ 0.470 χ^2 /NDF: 2650325.1/28

Left Out: 1512.365 $\pm$ 0.245 χ^2 /NDF: 442558.0/24

Right Out: 2852.966 $\pm$ 0.483 χ^2 /NDF: 2973331.2/33

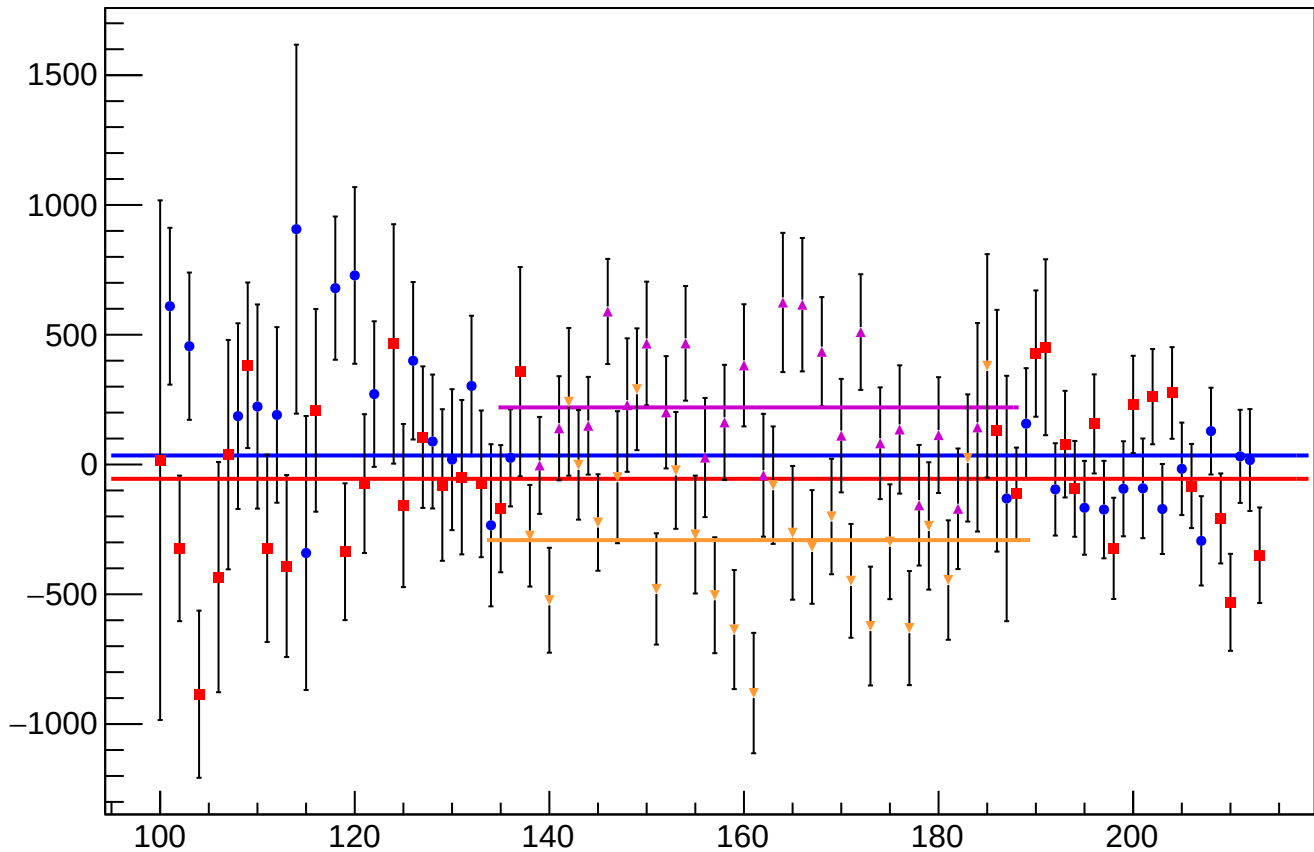
Left In: 1527.964 $\pm$ 0.254 χ^2 /NDF: 373844.4/22

+ sign 1757.410 $\pm$ 0.217 χ^2 /NDF: 7781973.4/53

All: 1785.324 $\pm$ 0.156 χ^2 /NDF: 17061255.6/1

- sign 1815.228 $\pm$ 0.225 χ^2 /NDF: 9245075.5/56

cor_asym_sam_26_dd_mean vs Slug



Right In: 34.799 $\pm$ 42.892 χ^2/NDF : 31.9/28

Left Out: -291.316 $\pm$ 45.614 χ^2/NDF : 36.4/24

Right Out: -55.197 $\pm$ 41.914 χ^2/NDF : 45.0/33

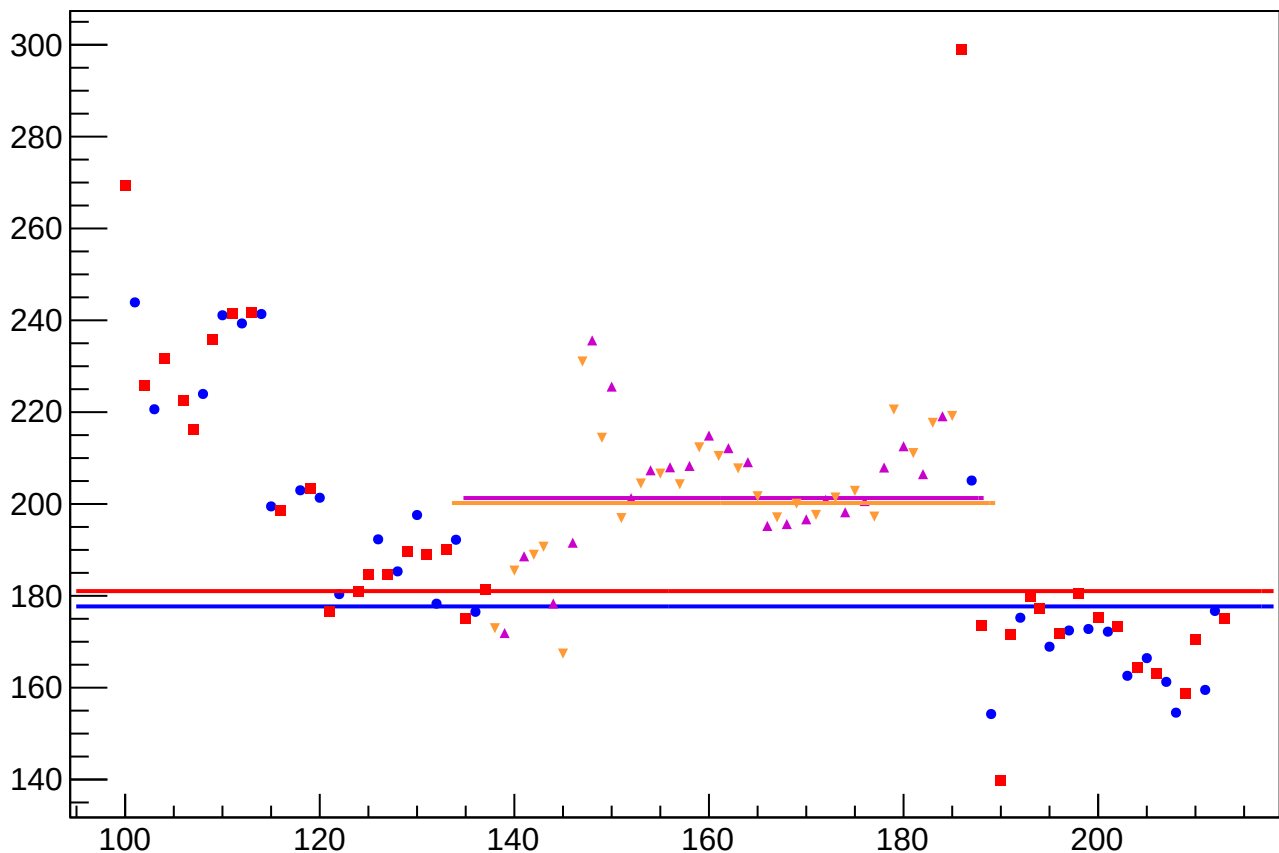
Left In: 219.983 $\pm$ 47.146 χ^2/NDF : 23.7/22

+ sign -118.238 $\pm$ 31.247 χ^2/NDF : 95.4/53

All: -26.206 $\pm$ 22.123 χ^2/NDF : 200.5/110

- sign 66.285 $\pm$ 31.325 χ^2/NDF : 87.7/56

cor_asym_sam_26_dd_rms vs Slug



Right In: 177.693 ± 0.030 χ^2/NDF : 502058.7/28

Left Out: 200.210 ± 0.032 χ^2/NDF : 204394.0/24

Right Out: 181.029 ± 0.030 χ^2/NDF : 632835.9/33

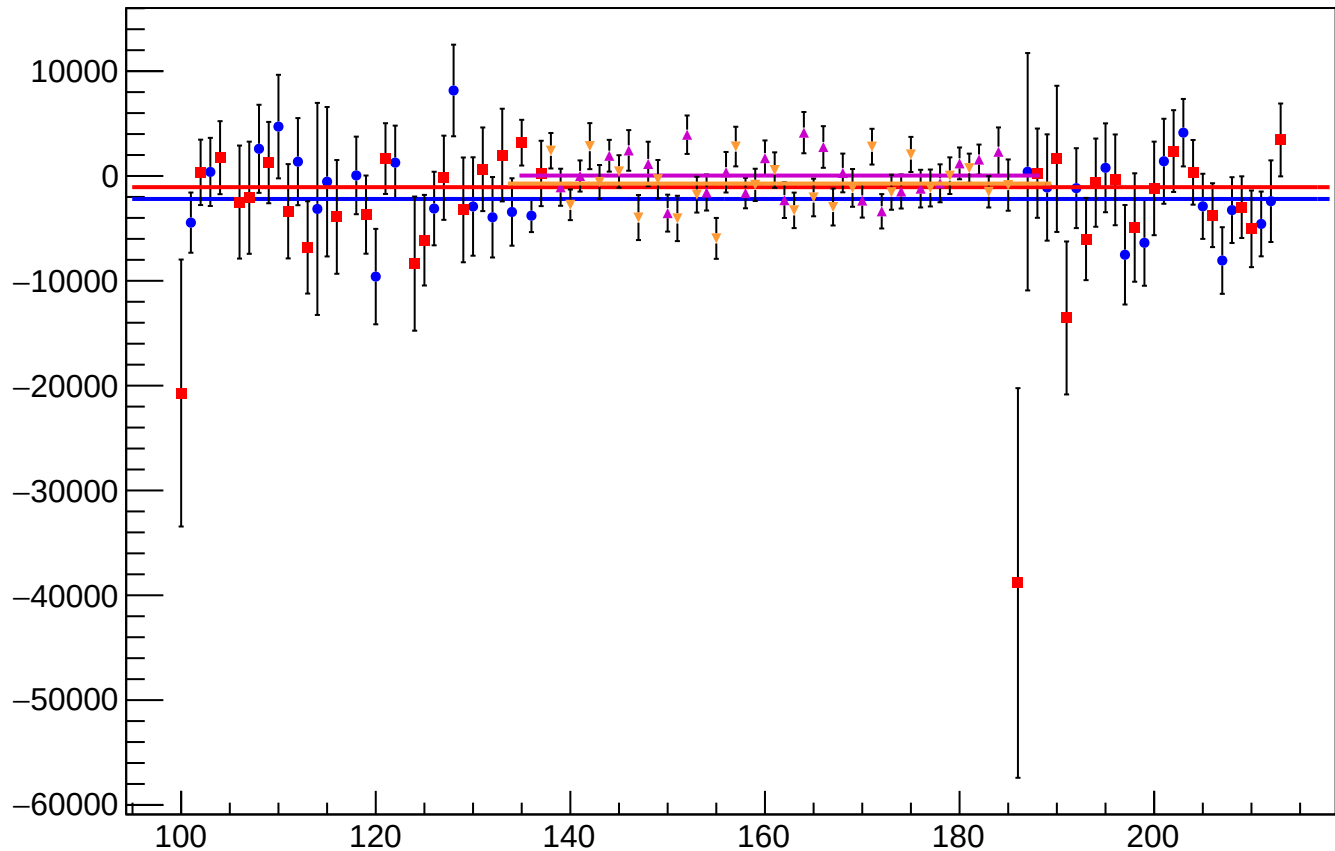
Left In: 201.297 ± 0.033 χ^2/NDF : 181646.8/22

+ sign 188.260 ± 0.022 χ^2/NDF : 965105.8/53

All: 189.116 ± 0.016 χ^2/NDF : 1989051.2/110

- sign 189.977 ± 0.022 χ^2/NDF : 1020932.4/56

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2192.539 ± 664.869 $\chi^2/\text{NDF}: 28.2/28$

Left Out: -720.705 ± 346.376 $\chi^2/\text{NDF}: 38.3/24$

Right Out: -1066.267 ± 683.520 $\chi^2/\text{NDF}: 29.1/33$

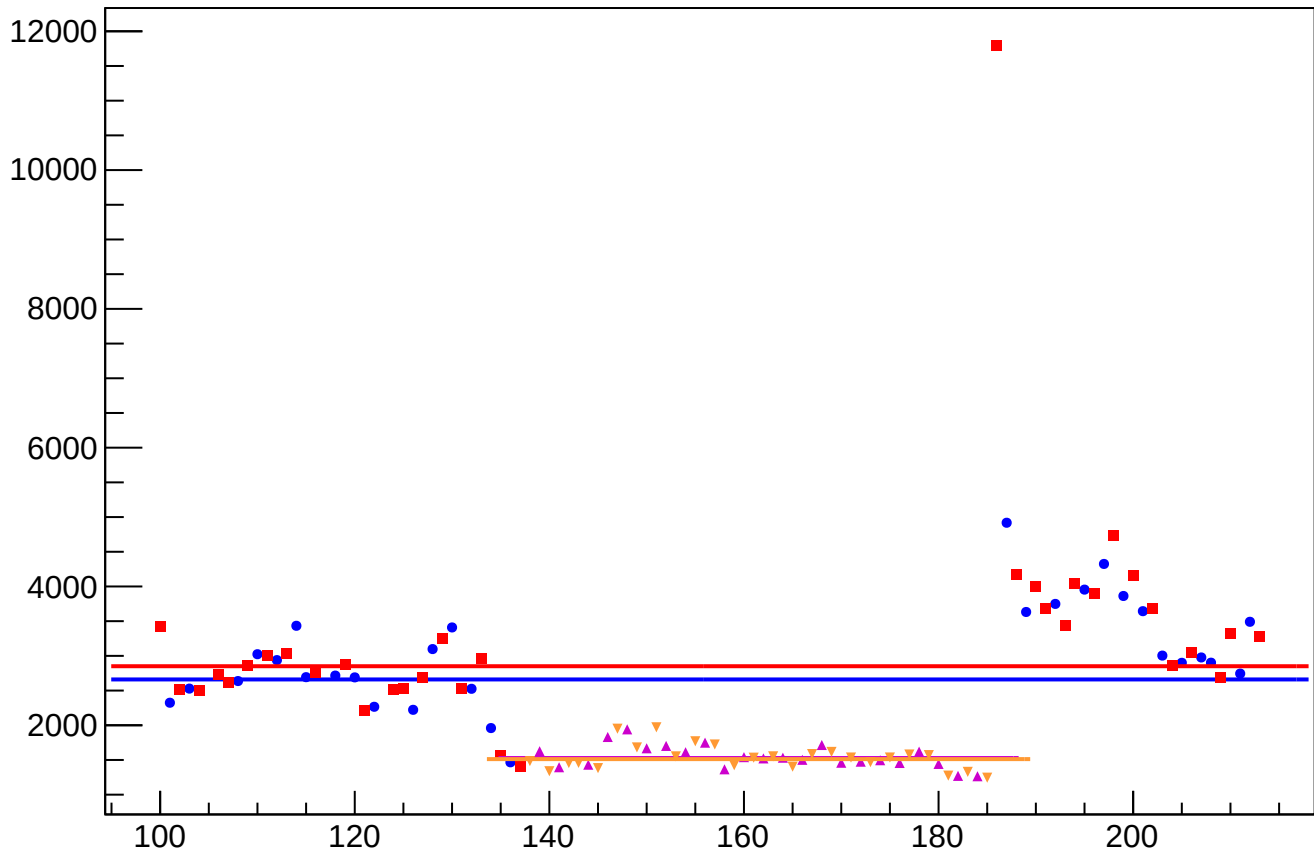
Left In: 39.275 ± 359.265 $\chi^2/\text{NDF}: 34.4/22$

+ sign -1034.898 ± 307.189 $\chi^2/\text{NDF}: 70.3/53$

All: -631.916 ± 220.943 $\chi^2/\text{NDF}: 139.5/110$

- sign -200.035 ± 318.013 $\chi^2/\text{NDF}: 65.6/56$

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2660.277 ± 0.470 $\chi^2/\text{NDF}: 2650318.6/28$

Left Out: 1512.365 ± 0.245 $\chi^2/\text{NDF}: 442559.1/24$

Right Out: 2850.806 ± 0.483 $\chi^2/\text{NDF}: 2974176.2/33$

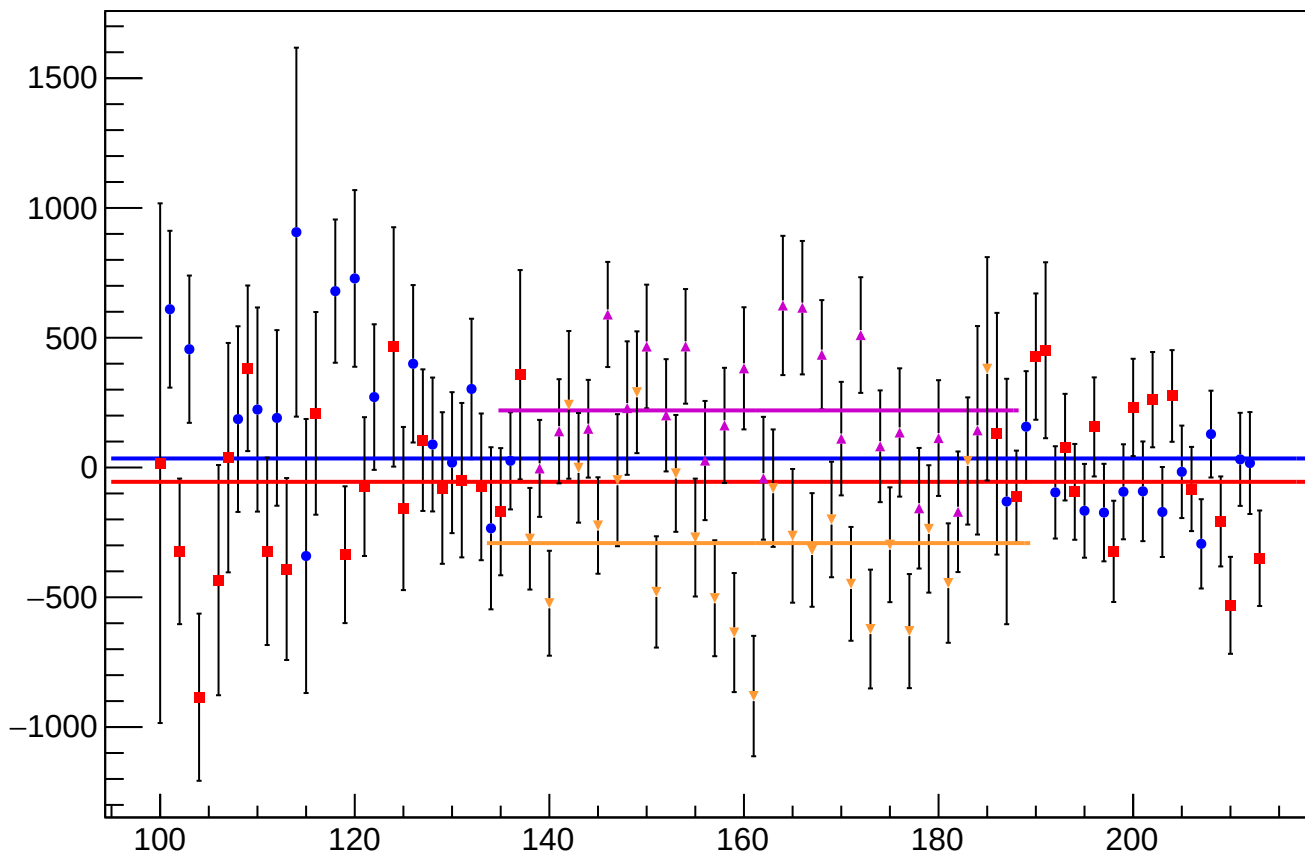
Left In: 1527.964 ± 0.254 $\chi^2/\text{NDF}: 373845.3/22$

+ sign 1757.410 ± 0.217 $\chi^2/\text{NDF}: 7781984.9/53$

All: 1784.876 ± 0.156 $\chi^2/\text{NDF}: 17032644.2/106$

- sign 1814.312 ± 0.225 $\chi^2/\text{NDF}: 9217535.1/56$

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 34.799 ± 42.892 χ^2/NDF : 31.9/28

Left Out: -291.316 ± 45.614 χ^2/NDF : 36.4/24

Right Out: -55.197 ± 41.914 χ^2/NDF : 45.0/33

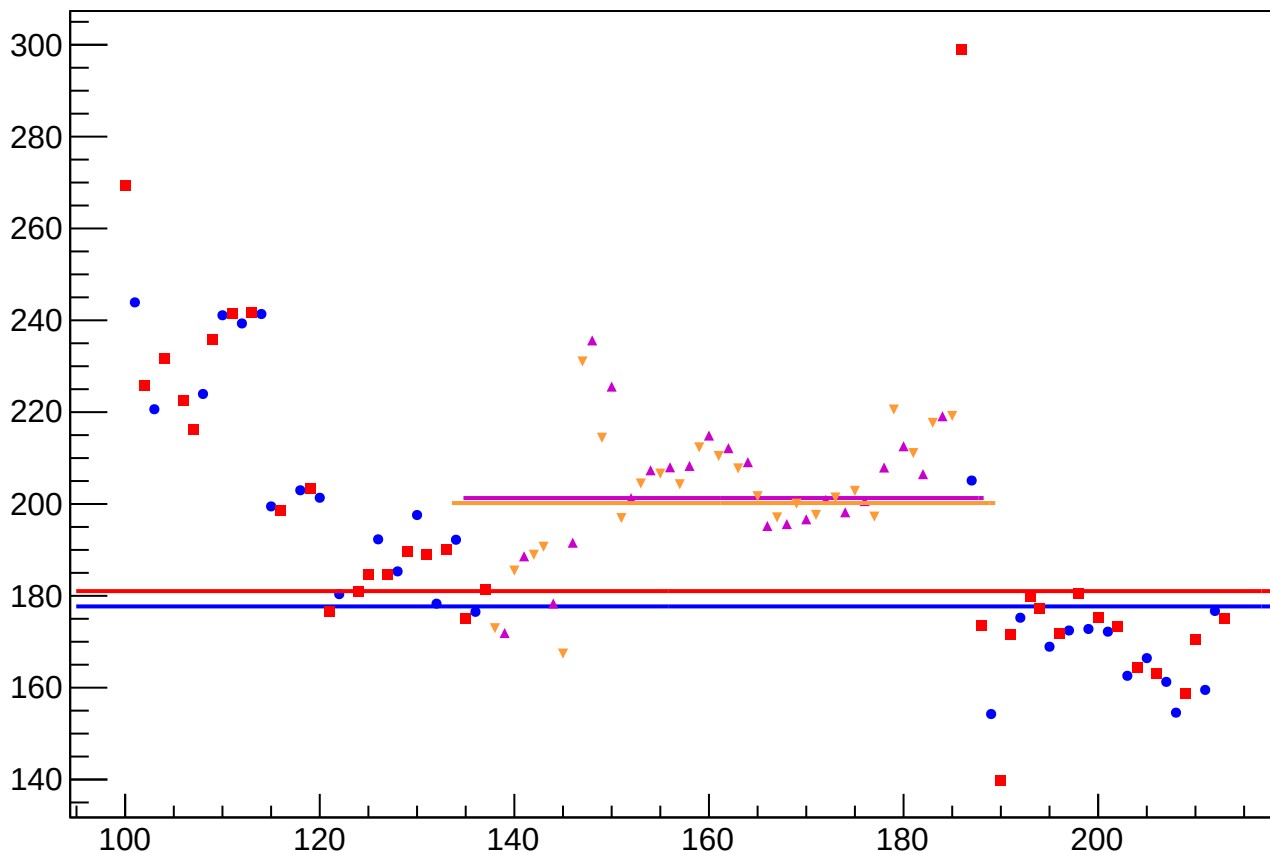
Left In: 219.983 ± 47.146 χ^2/NDF : 23.7/22

+ sign -118.238 ± 31.247 χ^2/NDF : 95.4/53

All: -26.206 ± 22.123 χ^2/NDF : 200.5/110

- sign 66.285 ± 31.325 χ^2/NDF : 87.7/56

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 177.693 $\pm$ 0.030 χ^2 /NDF: 502058.7/28

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204394.0/24

Right Out: 181.029 $\pm$ 0.030 χ^2 /NDF: 632835.9/33

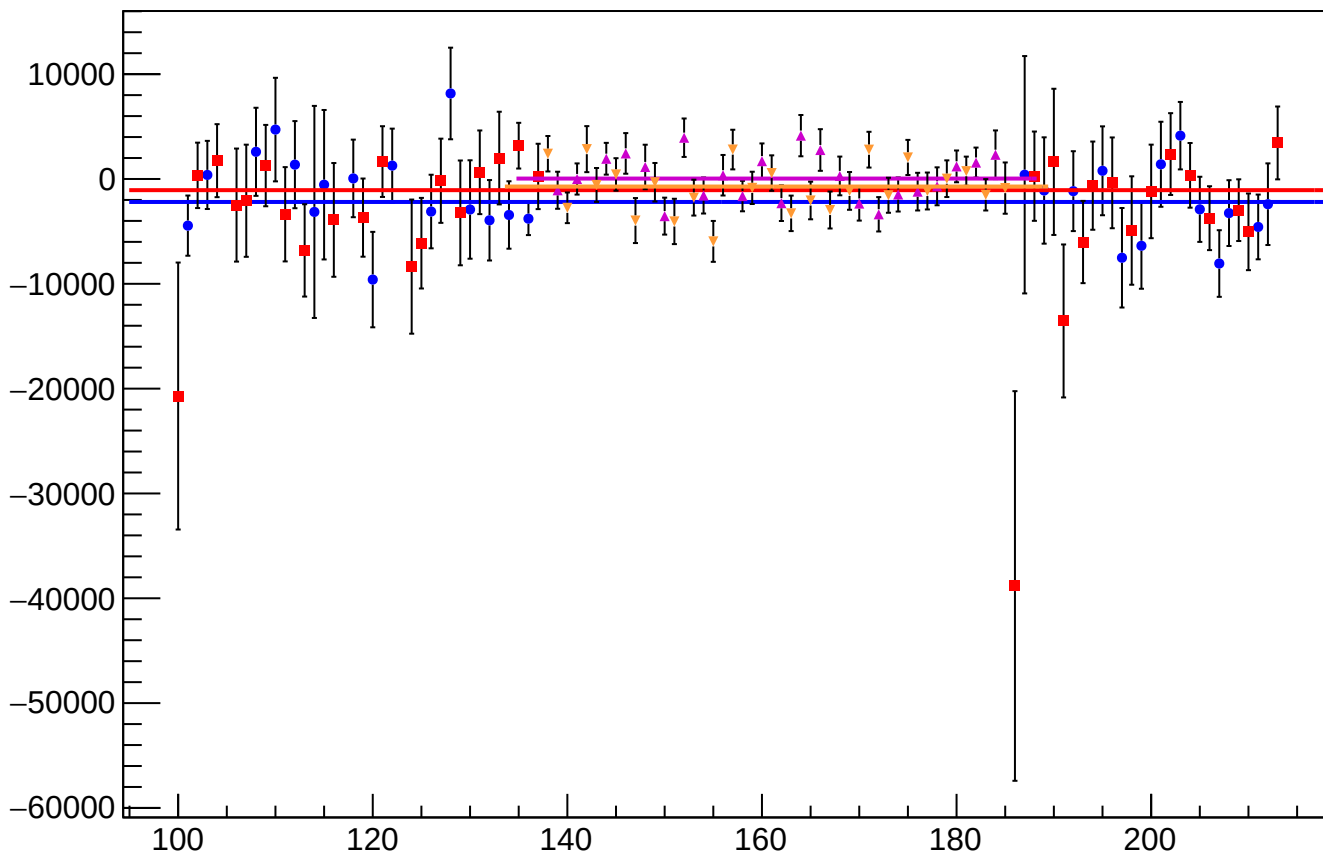
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 188.260 $\pm$ 0.022 χ^2 /NDF: 965105.8/53

All: 189.116 $\pm$ 0.016 χ^2 /NDF: 1989051.2/110

- sign 189.977 $\pm$ 0.022 χ^2 /NDF: 1020932.4/56

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -2192.539 $\pm$ 664.869 χ^2 /NDF: 28.2/28

Left Out: -720.705 $\pm$ 346.376 χ^2 /NDF:38.3/24

Right Out: -1066.267 $\pm$ 683.520 χ^2 /NDF: 29.1/33

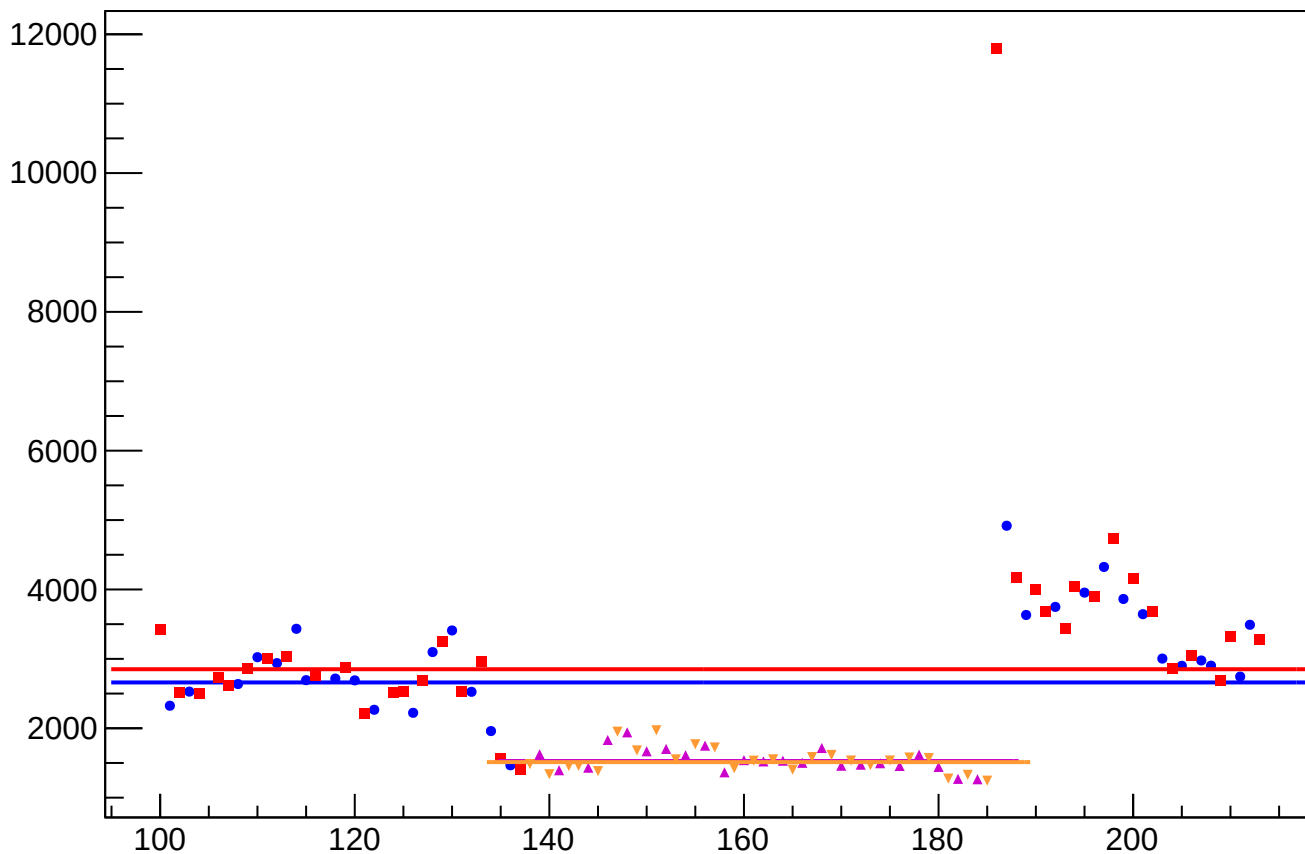
Left In: 39.275 $\pm$ 359.265 χ^2 /NDF:34.4/22

+ sign -1034.898 $\pm$ 307.189 χ^2 /NDF: 70.3/53

All: -631.916 $\pm$ 220.943 χ^2 /NDF: 139.5/110

- sign -200.035 $\pm$ 318.013 χ^2 /NDF: 65.6/56

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2660.277 $\pm$ 0.470 χ^2 /NDF: 2650318.6/28

Left Out: 1512.365 $\pm$ 0.245 χ^2 /NDF: 442559.1/24

Right Out: 2850.806 $\pm$ 0.483 χ^2 /NDF: 2974176.2/33

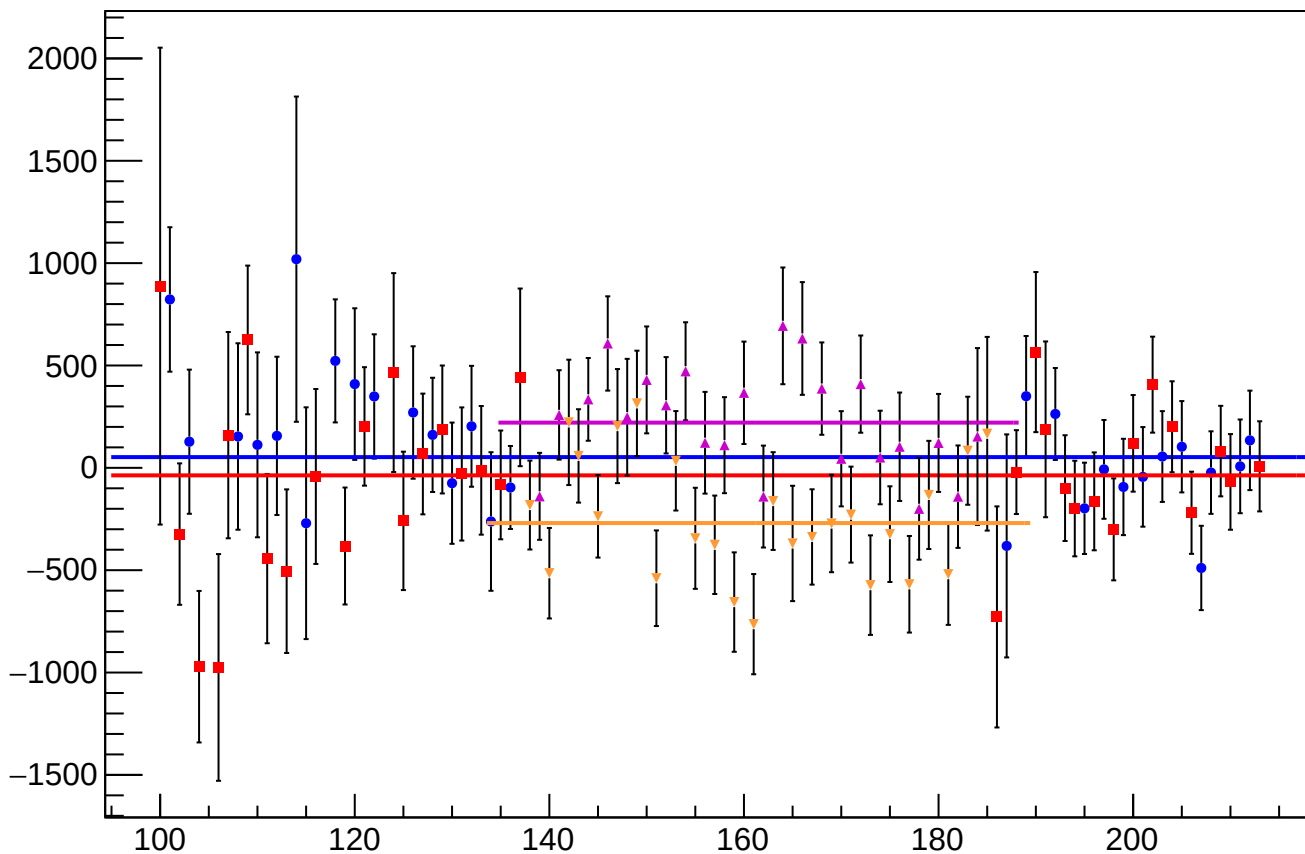
Left In: 1527.964 $\pm$ 0.254 χ^2 /NDF: 373845.3/22

+ sign 1757.410 $\pm$ 0.217 χ^2 /NDF: 7781984.9/53

All: 1784.876 $\pm$ 0.156 χ^2 /NDF: 17032644.2/100

- sign 1814.312 $\pm$ 0.225 χ^2 /NDF: 9217535.1/56

dit_asym_sam_26_dd_mean vs Slug



Right In: 52.421 ± 51.546 χ^2/NDF : 25.2/28

Left Out: -269.678 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -36.726 ± 50.407 χ^2/NDF : 34.5/33

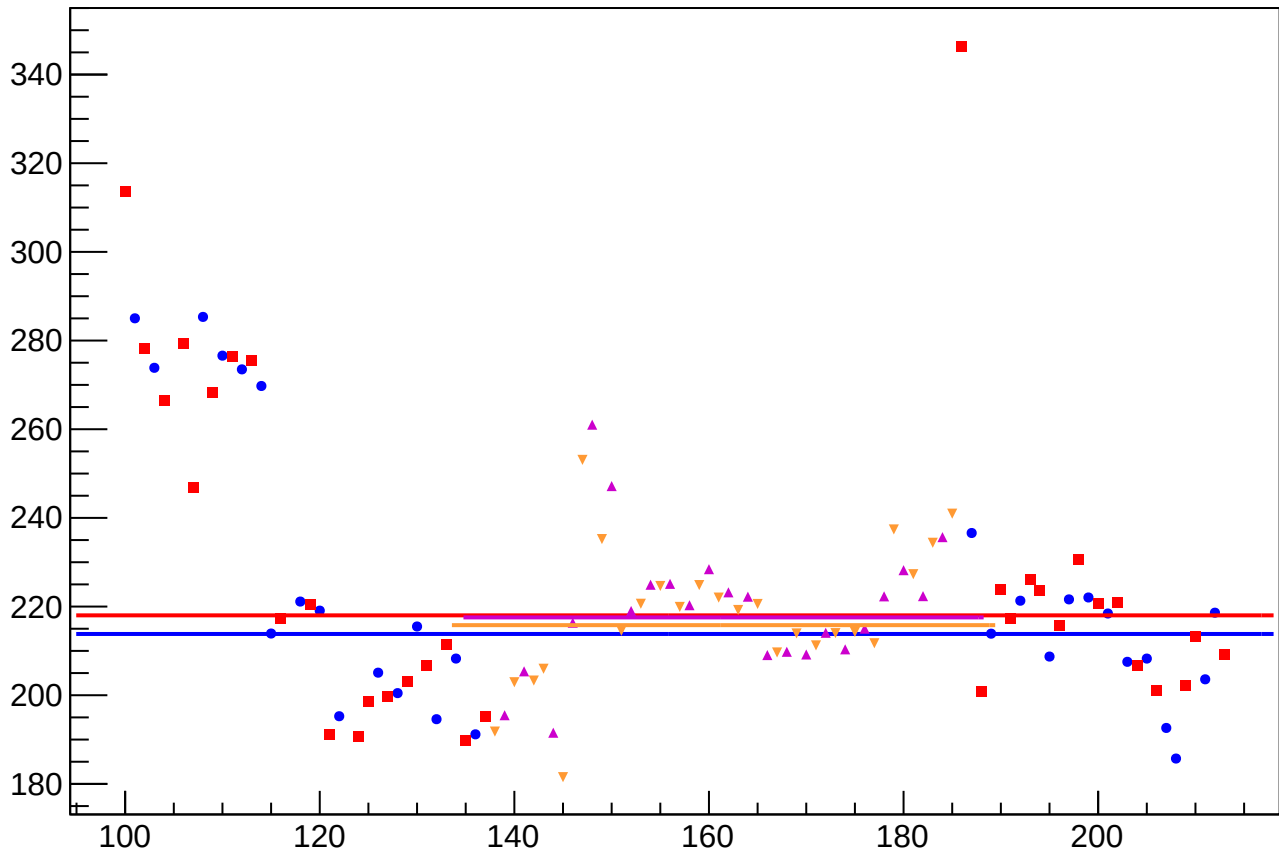
Left In: 220.926 ± 50.956 χ^2/NDF : 23.4/22

+ sign -116.265 ± 35.574 χ^2/NDF : 77.1/53

All: -13.537 ± 25.247 χ^2/NDF : 164.7/110

- sign 90.705 ± 35.835 χ^2/NDF : 70.8/56

dit_asym_sam_26_dd_rms vs Slug



Right In: 213.818 $\pm$ 0.036 χ^2 /NDF: 413884.4/28

Left Out: 215.807 $\pm$ 0.035 χ^2 /NDF:188699.2/24

Right Out: 218.018 $\pm$ 0.036 χ^2 /NDF: 503524.6/33

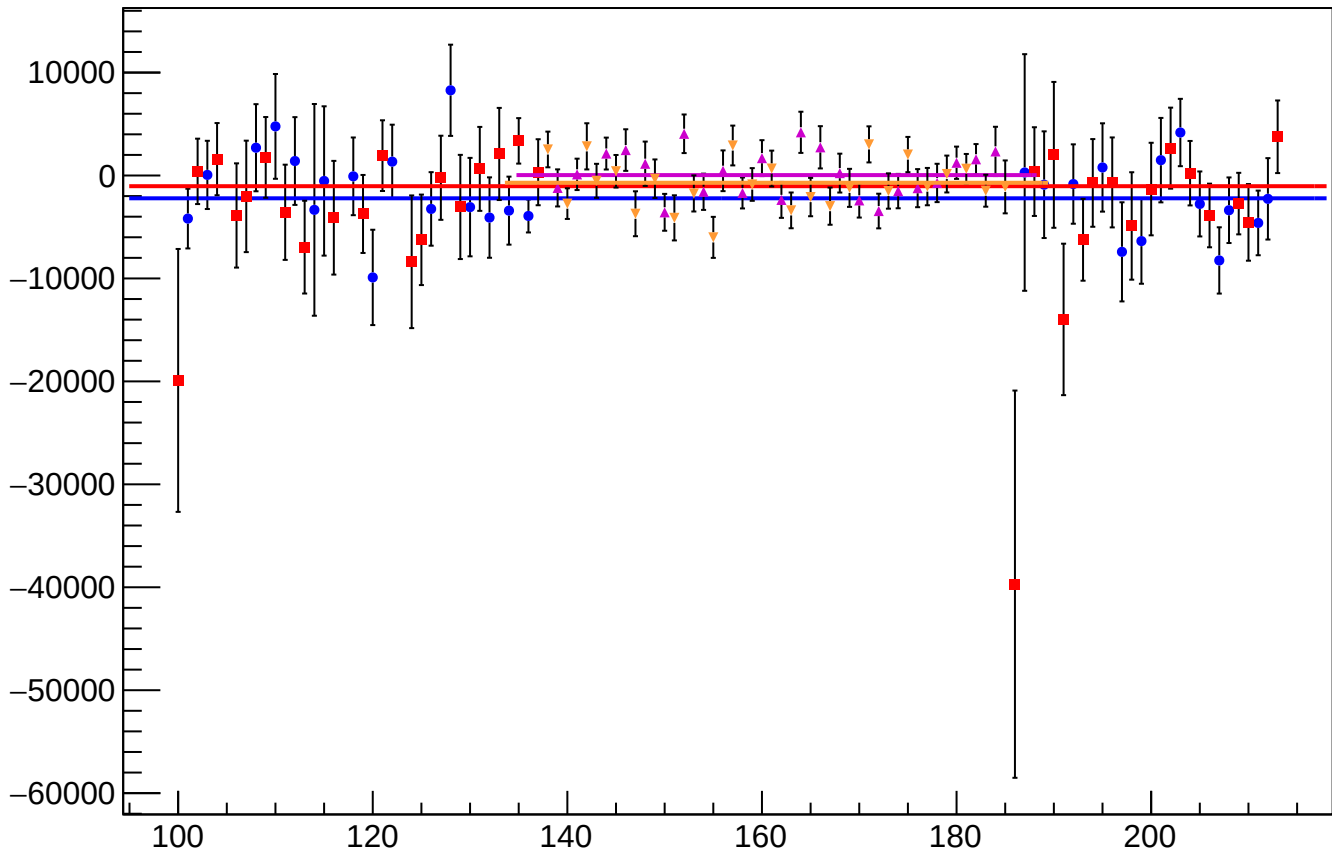
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161066.4/22

+ sign 214.860 $\pm$ 0.025 χ^2 /NDF: 604142.1/53

All: 216.313 $\pm$ 0.018 χ^2 /NDF: 1275546.7/110

- sign 217.789 $\pm$ 0.025 χ^2 /NDF: 664674.5/56

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2214.767 ± 676.850 χ^2/NDF : 28.0/28

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1038.424 ± 692.893 χ^2/NDF : 30.0/33

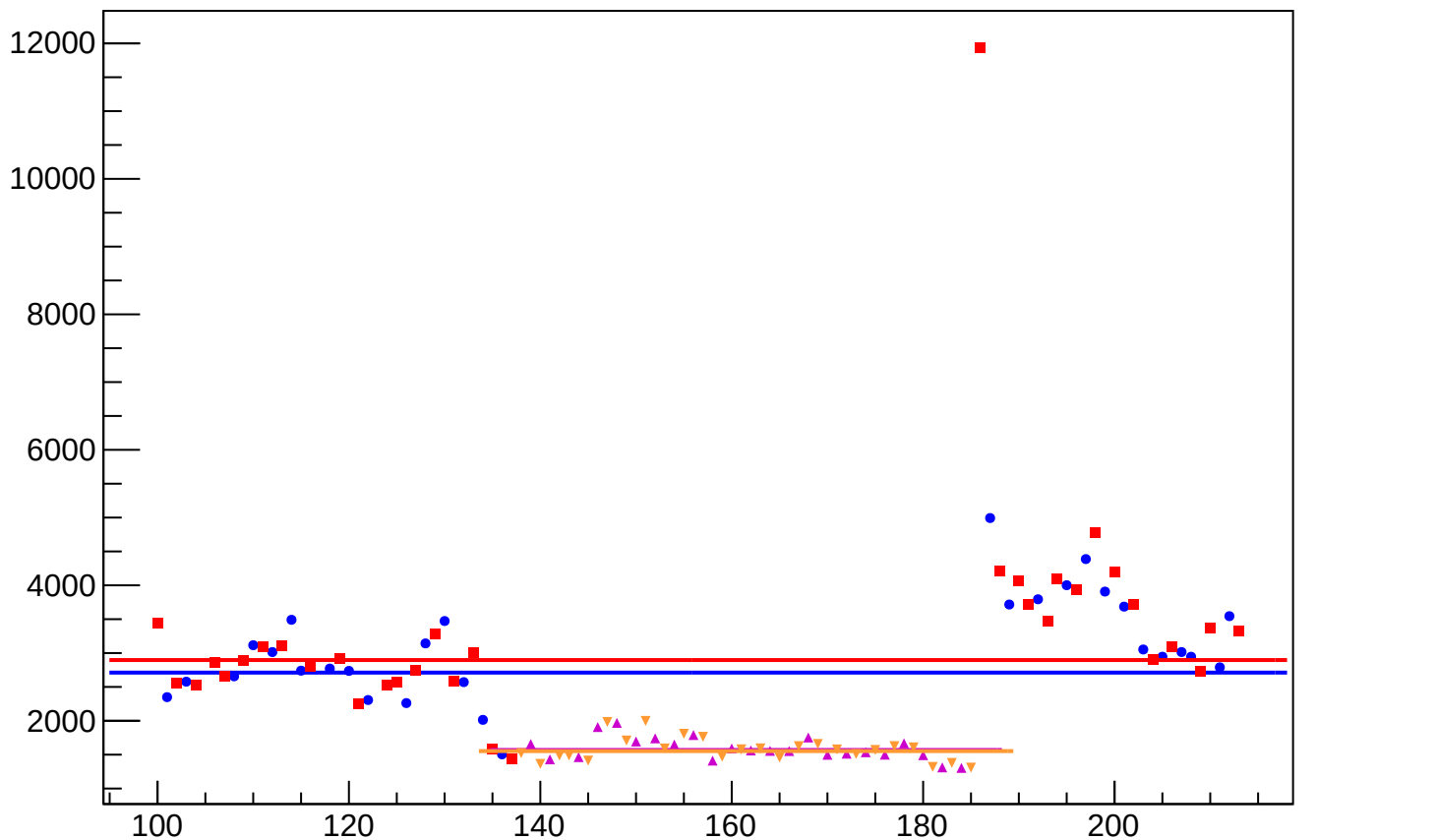
Left In: 39.658 ± 368.873 χ^2/NDF : 34.3/22

+ sign -1030.608 ± 314.703 χ^2/NDF : 69.5/53

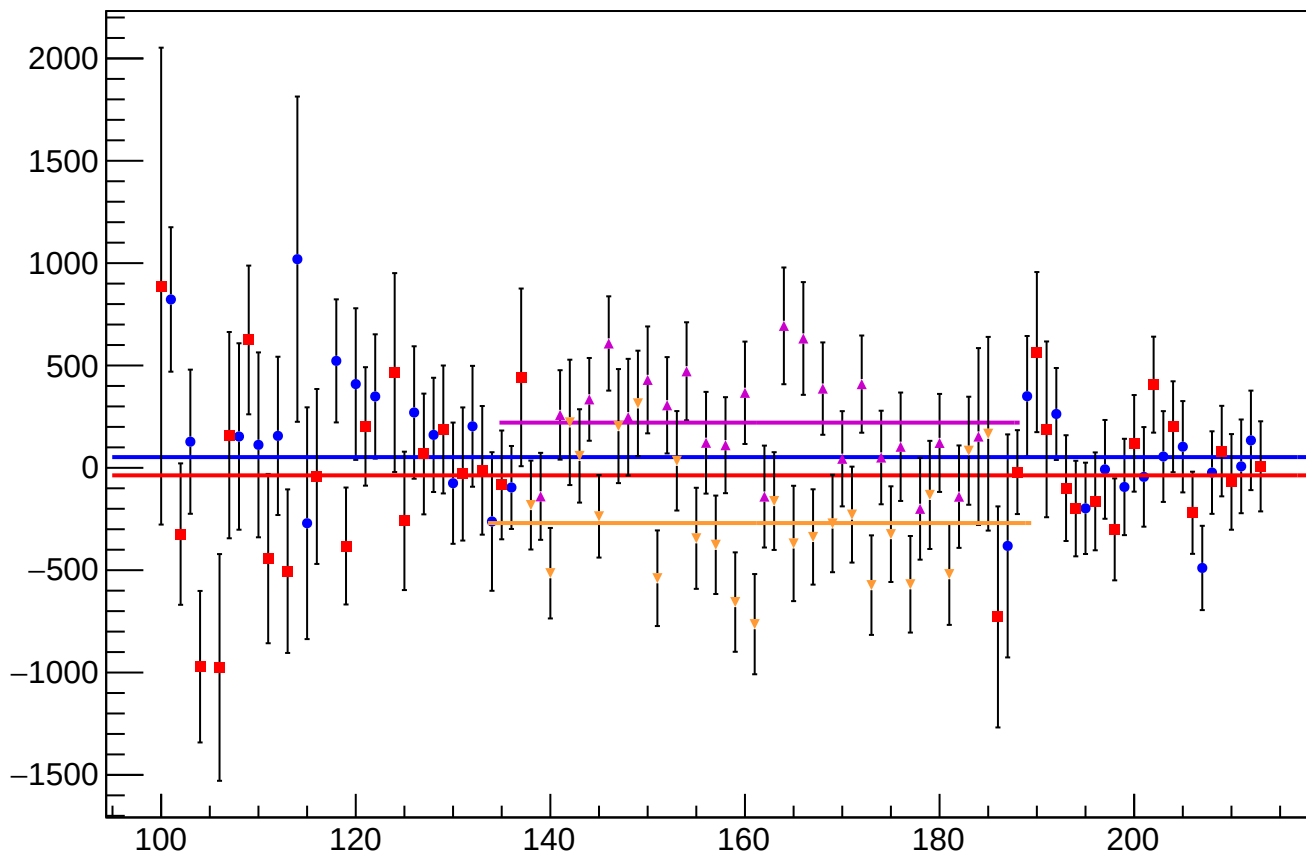
All: -628.678 ± 226.285 χ^2/NDF : 139.1/110

- sign -198.414 ± 325.607 χ^2/NDF : 66.2/56

asym_sam_26_dd_dit_correction_rms vs Slug



eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 52.424 ± 51.546 χ^2/NDF : 25.2/28

Left Out: -269.680 ± 49.158 χ^2/NDF : 31.5/24

Right Out: -36.726 ± 50.407 χ^2/NDF : 34.5/33

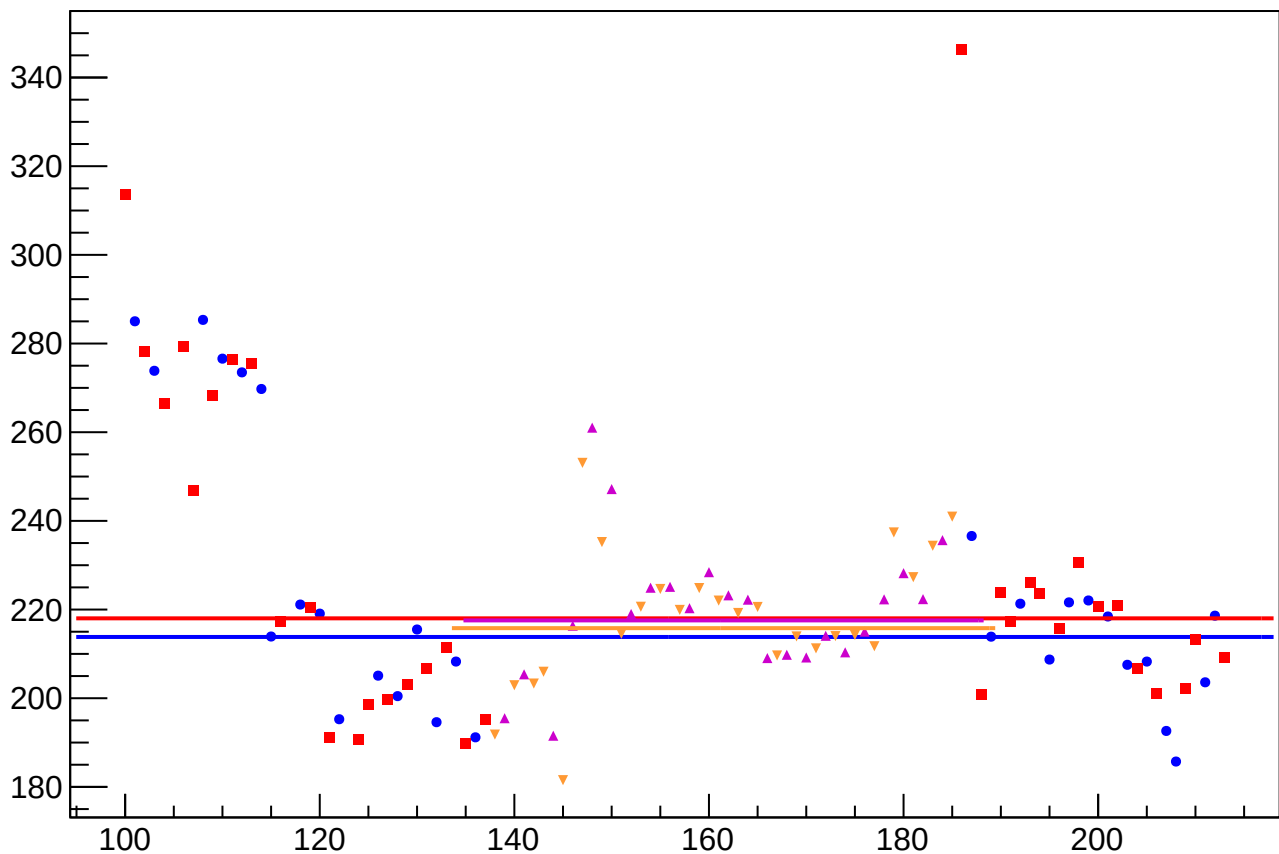
Left In: 220.927 ± 50.956 χ^2/NDF : 23.4/22

+ sign -116.264 ± 35.574 χ^2/NDF : 77.1/53

All: -13.536 ± 25.247 χ^2/NDF : 164.7/110

- sign 90.705 ± 35.835 χ^2/NDF : 70.8/56

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 213.818 $\pm$ 0.036 χ^2 /NDF: 413874.7/28

Left Out: 215.806 $\pm$ 0.035 χ^2 /NDF:188703.4/24

Right Out: 218.017 $\pm$ 0.036 χ^2 /NDF: 503506.4/33

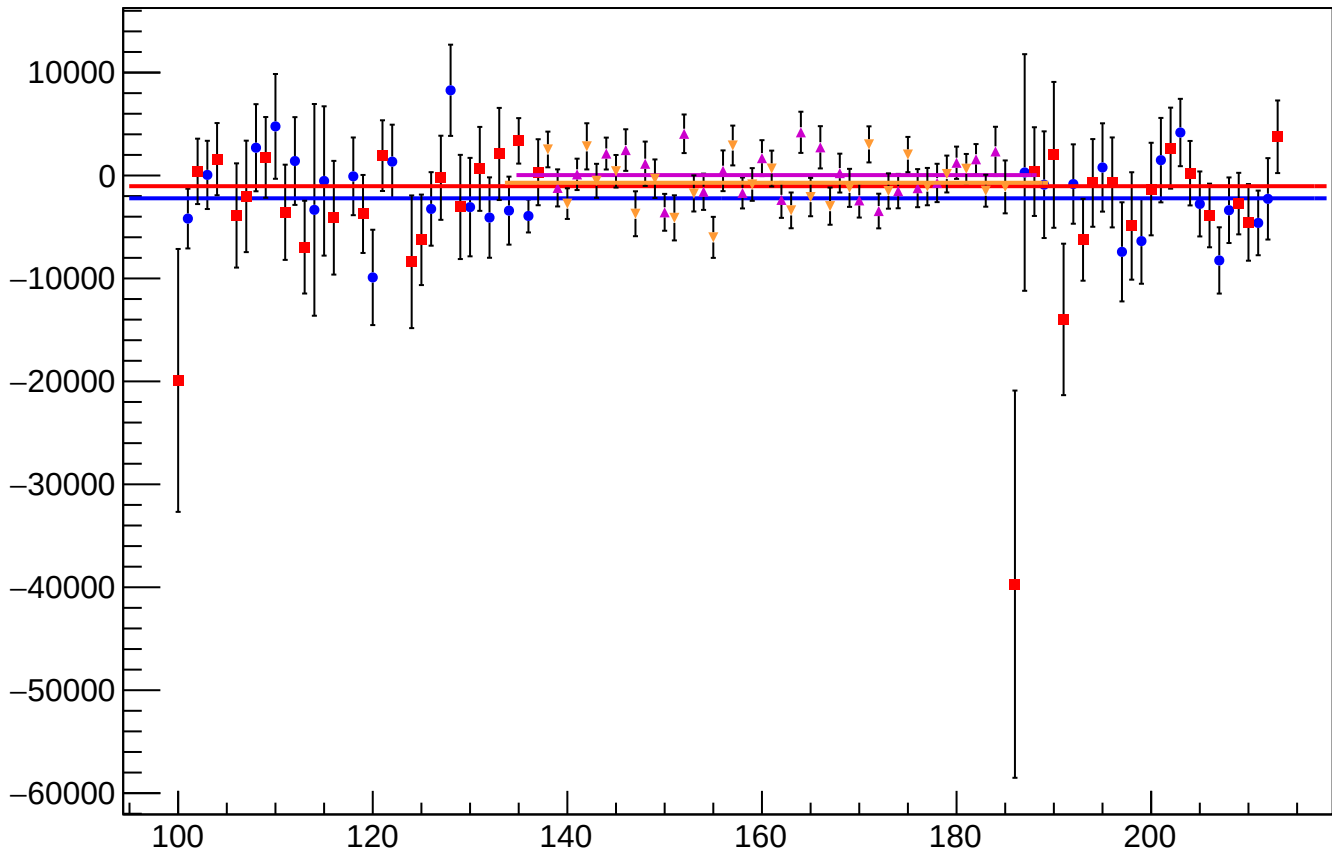
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161069.0/22

+ sign 214.859 $\pm$ 0.025 χ^2 /NDF: 604137.1/53

All: 216.313 $\pm$ 0.018 χ^2 /NDF: 1275526.0/110

- sign 217.788 $\pm$ 0.025 χ^2 /NDF: 664658.7/56

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -2214.764 ± 676.850 χ^2/NDF : 28.0/28

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -1038.424 ± 692.893 χ^2/NDF : 30.0/33

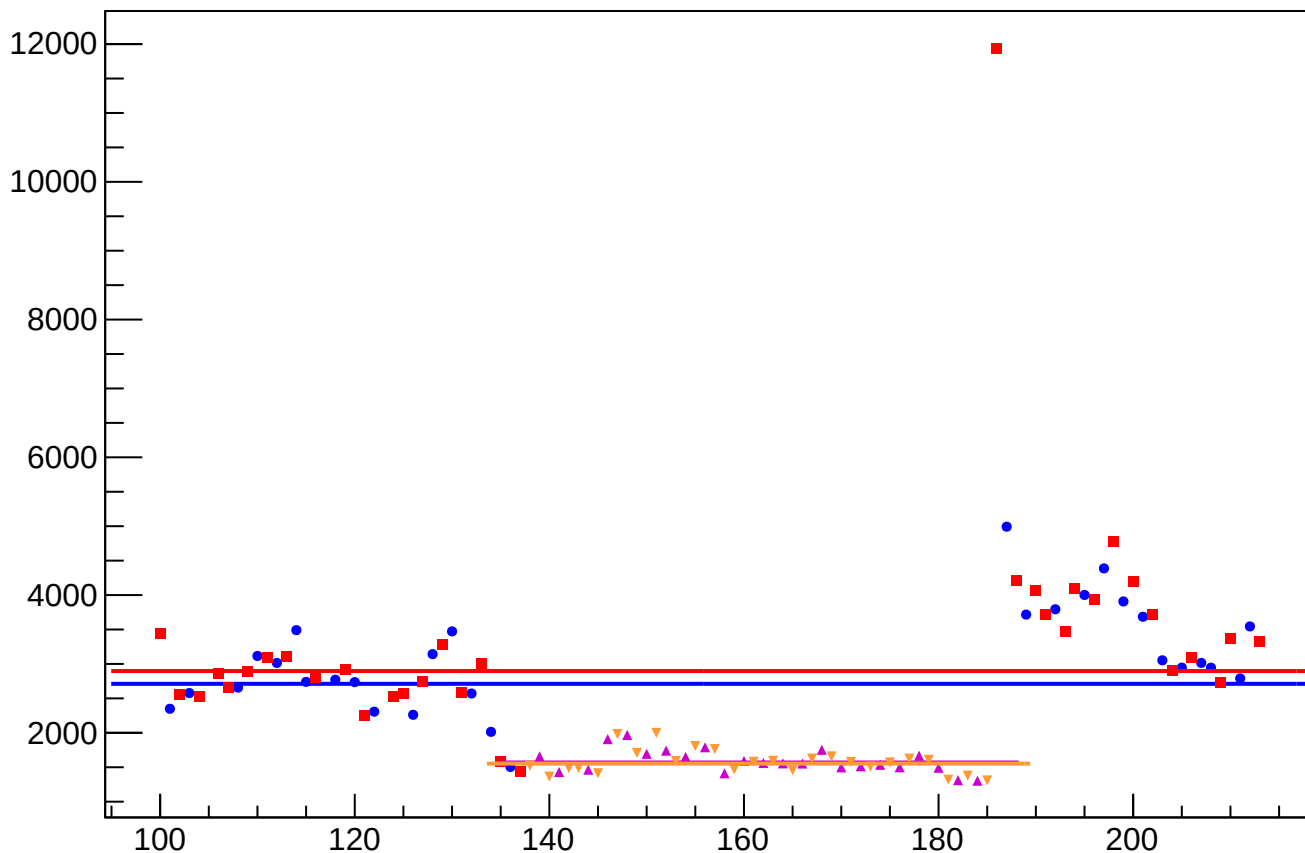
Left In: 39.657 ± 368.873 χ^2/NDF : 34.3/22

+ sign -1030.608 ± 314.703 χ^2/NDF : 69.5/53

All: -628.679 ± 226.285 χ^2/NDF : 139.1/110

- sign -198.415 ± 325.607 χ^2/NDF : 66.2/56

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2711.382+/-0.479 χ^2/NDF : 2585544.0/28

Left Out: 1553.020+/-0.251 χ^2/NDF : 409936.6/24

Right Out: 2896.828+/-0.490 χ^2/NDF : 2932645.1/33

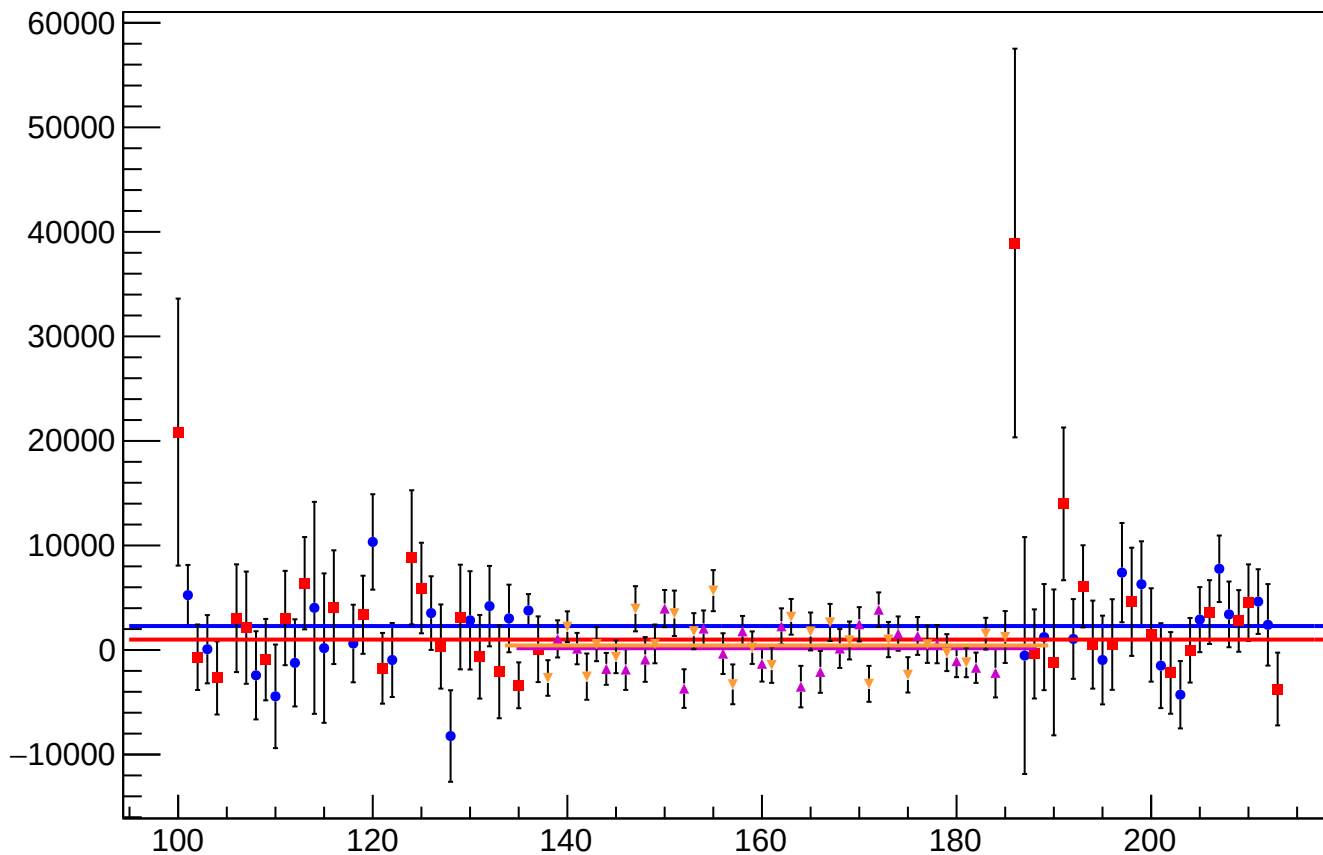
Left In: 1569.383+/-0.261 χ^2/NDF : 357484.6/22

+ sign 1803.435+/-0.223 χ^2/NDF : 7586929.2/53

All: 1831.973+/-0.160 χ^2/NDF : 16630690.7/100

- sign 1862.521+/-0.230 χ^2/NDF : 9009711.1/56

asym_sam_26_dd_mean vs Slug



Right In: 2290.740 $\pm$ 667.170 χ^2 /NDF: 28.3/28

Left Out: 437.522 $\pm$ 349.581 χ^2 /NDF:38.9/24

Right Out: 996.398 $\pm$ 684.944 χ^2 /NDF: 29.5/33

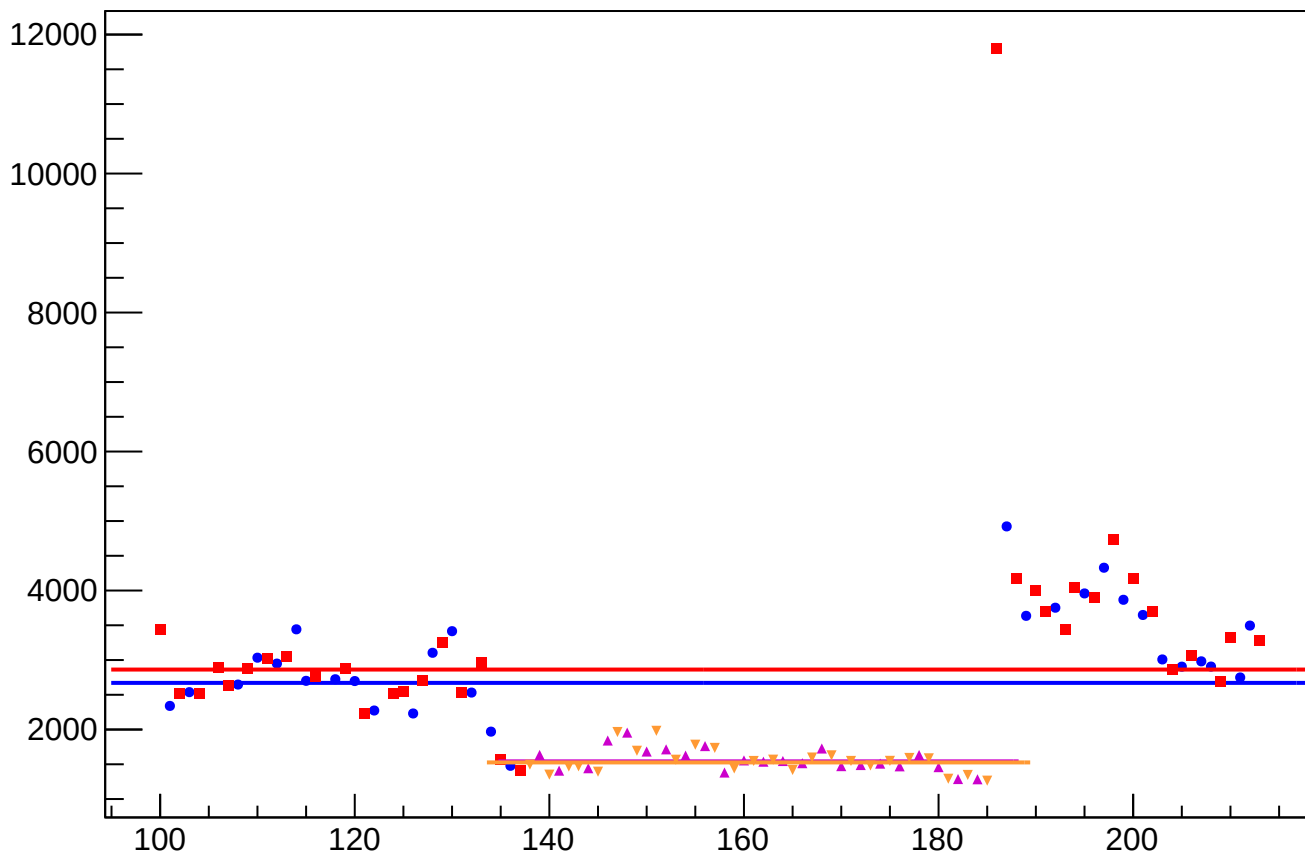
Left In: 169.827 $\pm$ 362.550 χ^2 /NDF:33.0/22

+ sign 836.724 $\pm$ 309.649 χ^2 /NDF: 73.2/53

All: 602.039 $\pm$ 222.669 χ^2 /NDF: 138.0/110

- sign 350.727 $\pm$ 320.430 χ^2 /NDF: 63.6/56

asym_sam_26_dd_rms vs Slug



Right In: 2671.240 $\pm$ 0.472 χ^2 /NDF: 2610106.1/28

Left Out: 1526.726 $\pm$ 0.247 χ^2 /NDF: 429467.0/24

Right Out: 2862.964 $\pm$ 0.484 χ^2 /NDF: 2940032.8/33

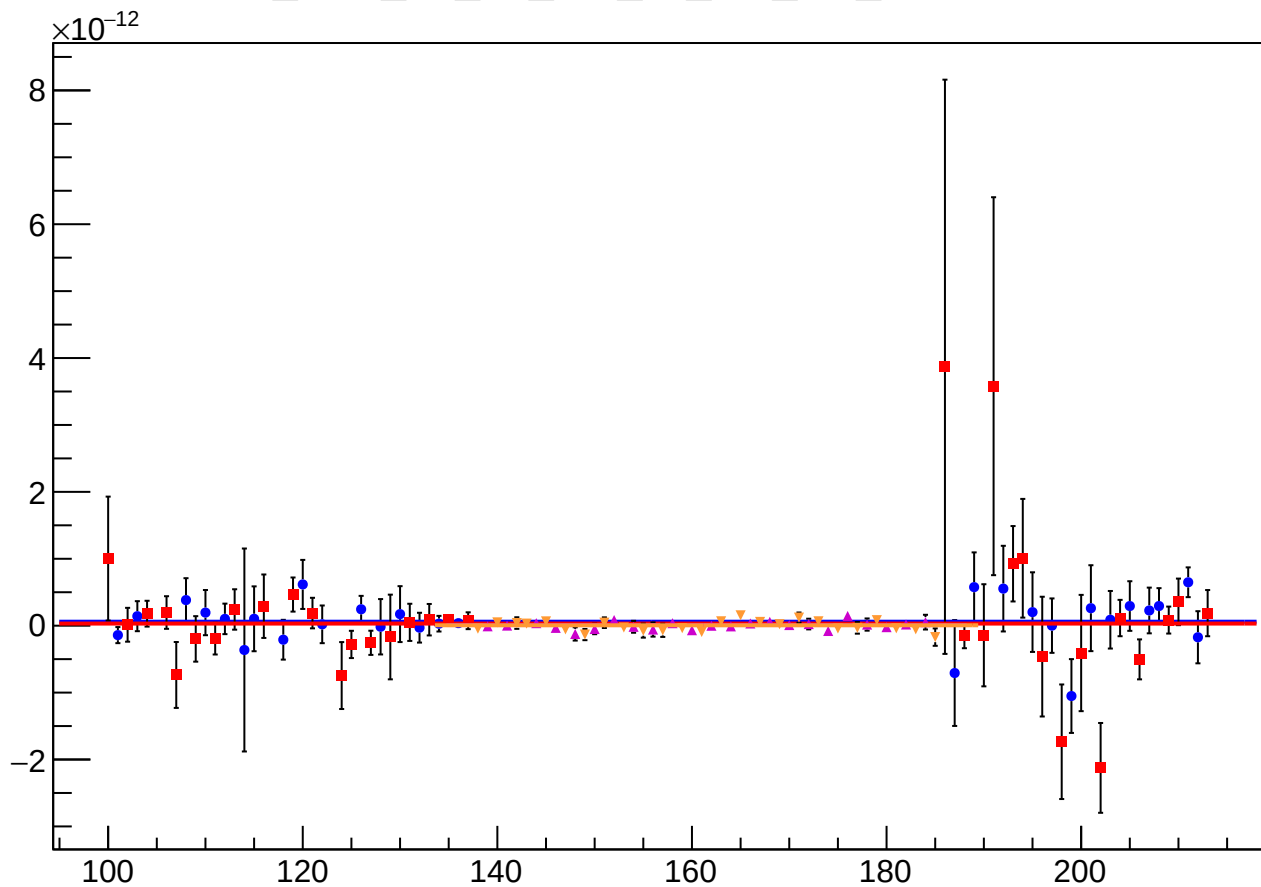
Left In: 1542.262 $\pm$ 0.256 χ^2 /NDF: 362291.1/22

+ sign 1773.265 $\pm$ 0.219 χ^2 /NDF: 7657443.4/53

All: 1801.292 $\pm$ 0.157 χ^2 /NDF: 16802153.5/100

- sign 1831.305 $\pm$ 0.227 χ^2 /NDF: 9110779.6/56

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug

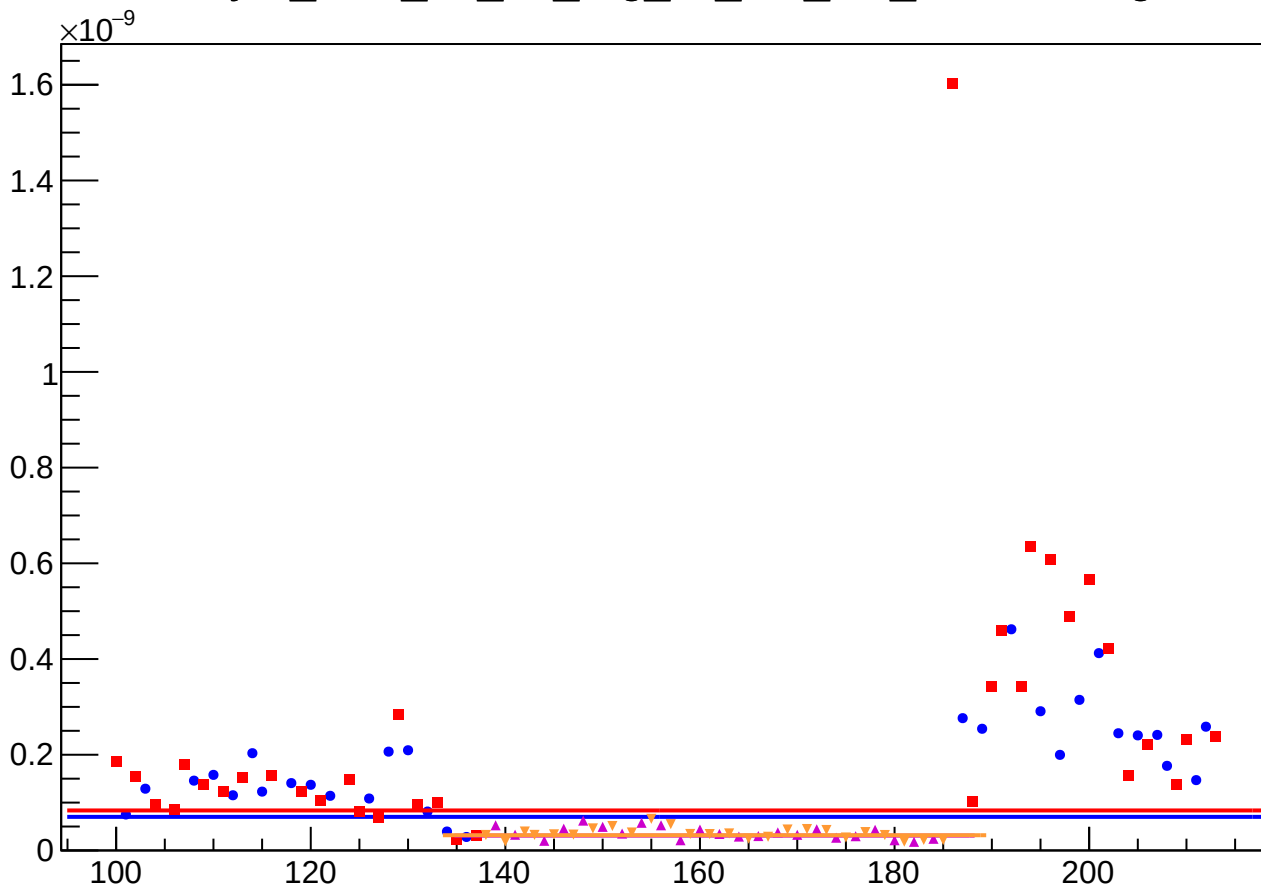


+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 57.2/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 119.5/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 62.3/56

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7877688.3/28

Left Out: 0.000+/-0.000 χ^2/NDF :1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8388461.8/33

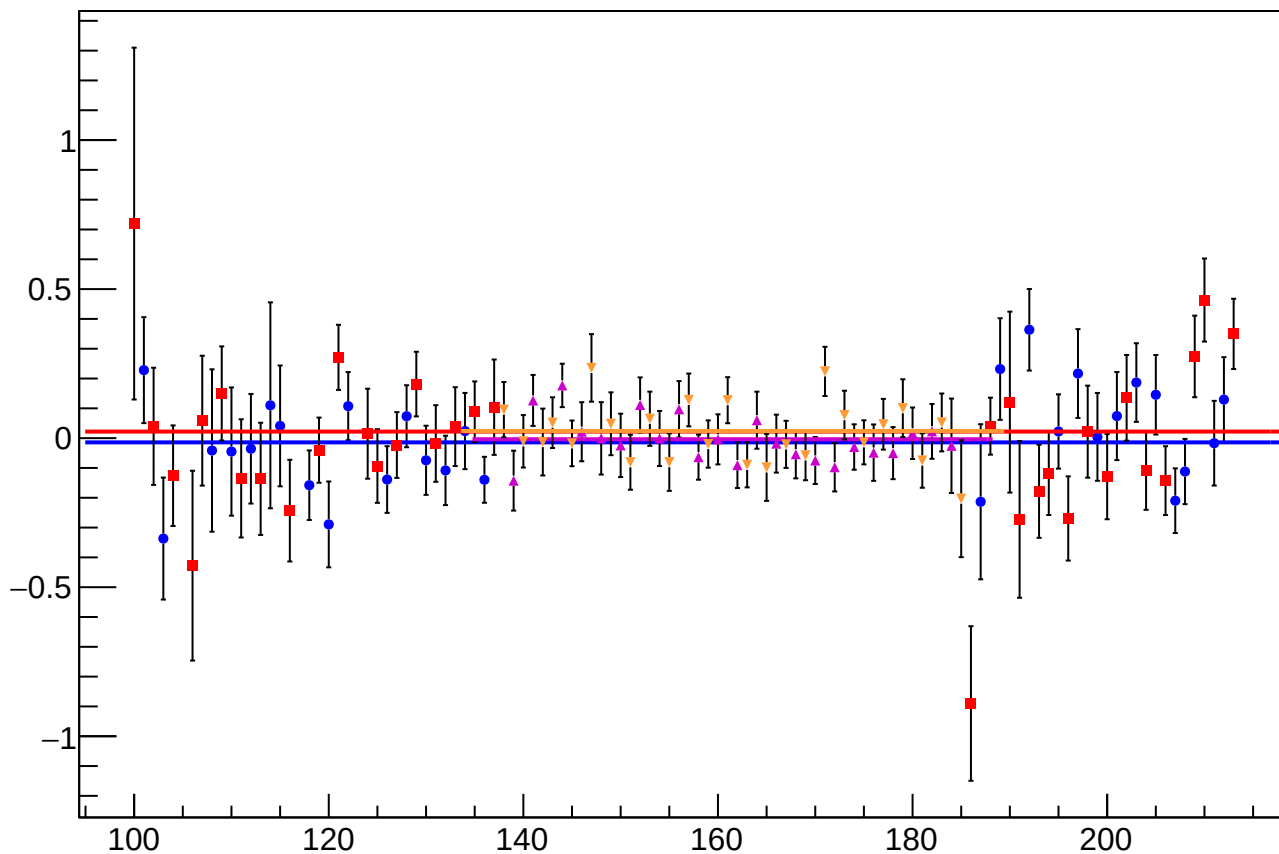
Left In: 0.000+/-0.000 χ^2/NDF :1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 11309842.4/53

All: 0.000+/-0.000 χ^2/NDF : 24499151.0/110

- sign 0.000+/-0.000 χ^2/NDF : 13189002.1/56

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014 ± 0.025 χ^2/NDF : 38.5/28

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.022 ± 0.025 χ^2/NDF : 64.8/33

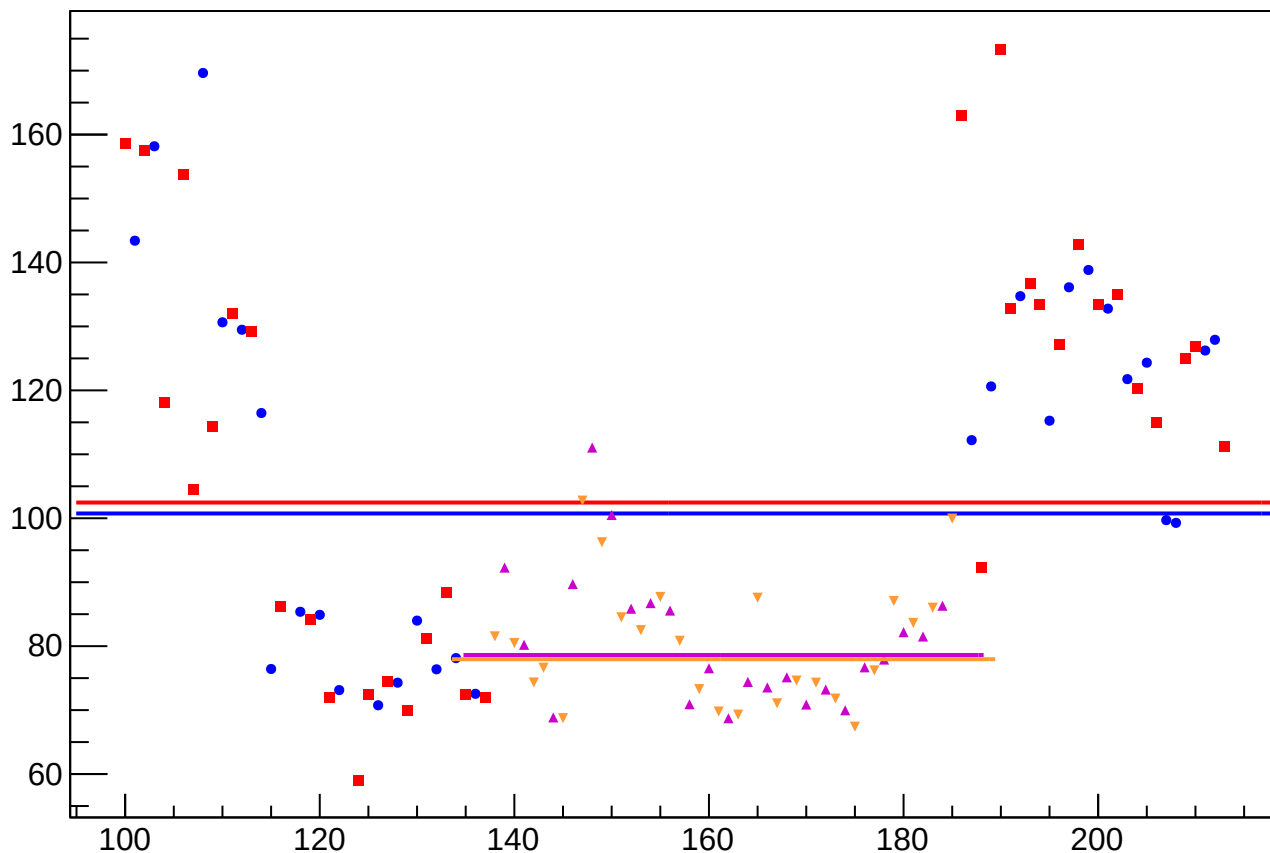
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.011 ± 0.015 χ^2/NDF : 65.5/53

All: 0.009 ± 0.010 χ^2/NDF : 149.9/110

- sign 0.006 ± 0.015 χ^2/NDF : 84.3/56

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 100.748 $\pm$ 0.018 χ^2 /NDF: 2202870.3/28

Left Out: 77.957 $\pm$ 0.013 χ^2 /NDF: 439703.9/24

Right Out: 102.461 $\pm$ 0.017 χ^2 /NDF: 2528296.5/33

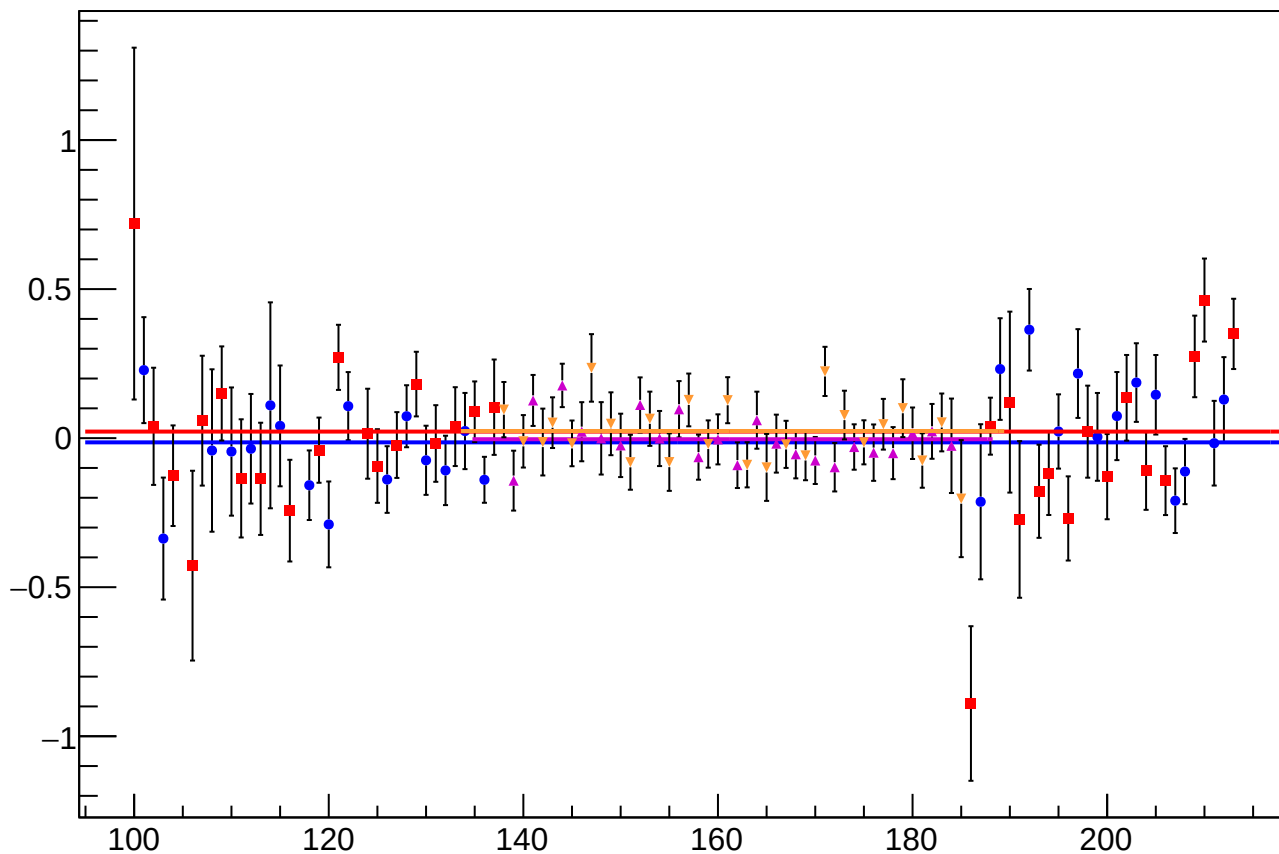
Left In: 78.615 $\pm$ 0.013 χ^2 /NDF: 497808.4/22

+ sign 85.613 $\pm$ 0.010 χ^2 /NDF: 3737024.6/53

All: 86.442 $\pm$ 0.007 χ^2 /NDF: 7978097.9/110

- sign 87.300 $\pm$ 0.010 χ^2 /NDF: 4227864.0/56

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014 ± 0.025 χ^2/NDF : 38.5/28

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.022 ± 0.025 χ^2/NDF : 64.8/33

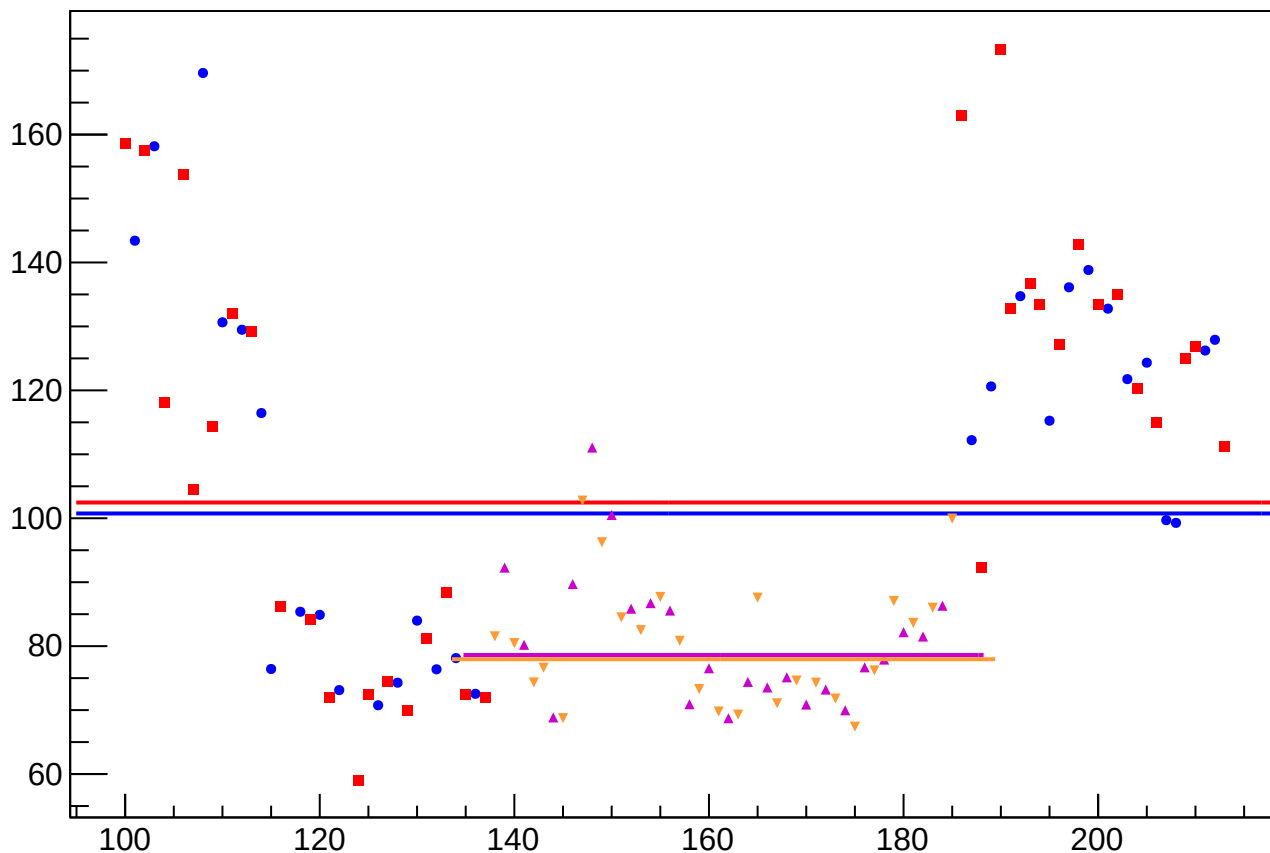
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.011 ± 0.015 χ^2/NDF : 65.5/53

All: 0.009 ± 0.010 χ^2/NDF : 149.9/110

- sign 0.006 ± 0.015 χ^2/NDF : 84.3/56

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 100.748 ± 0.018 χ^2/NDF : 2202870.3/28

Left Out: 77.957 ± 0.013 χ^2/NDF : 439703.9/24

+ sign 85.613 ± 0.010 χ^2/NDF : 3737024.6/53

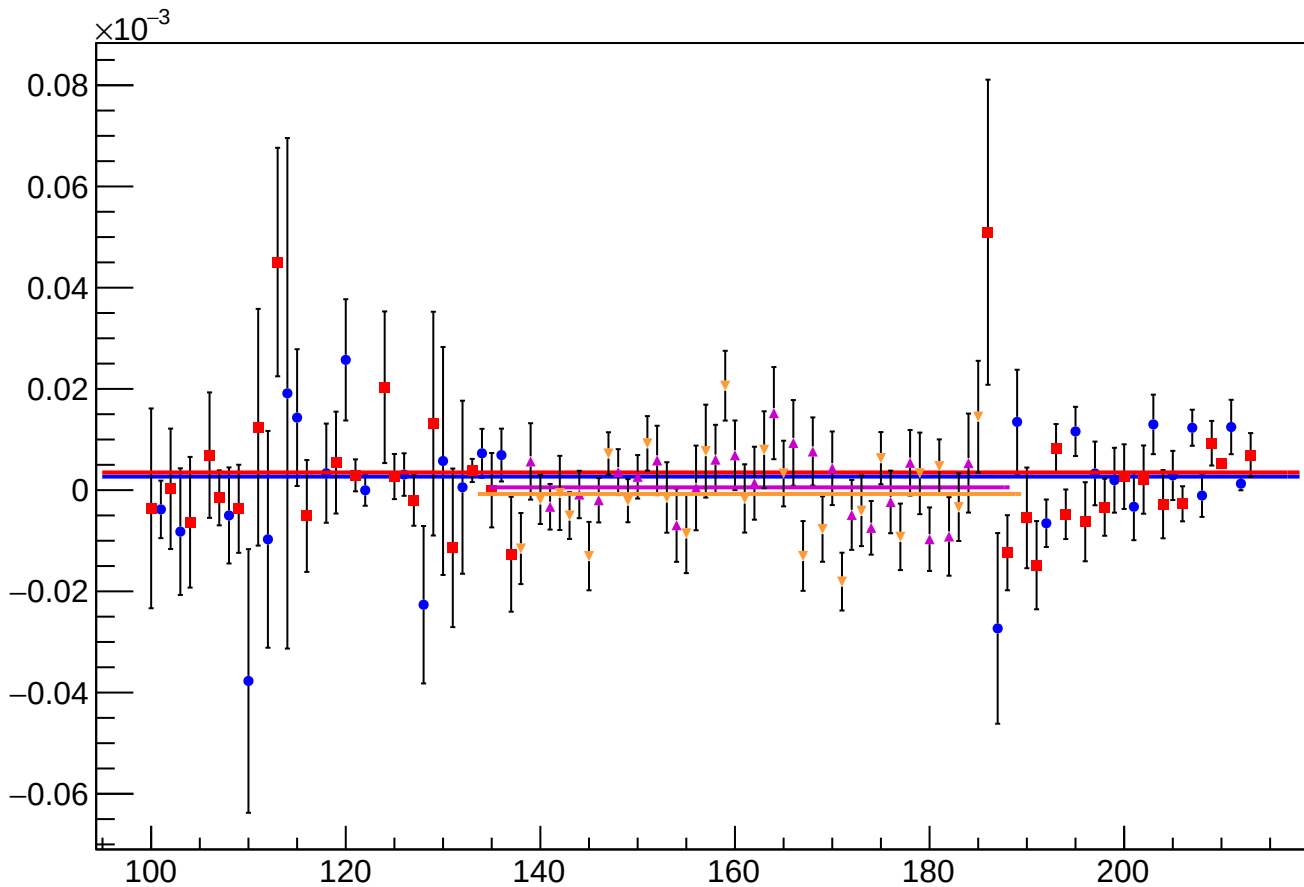
Right Out: 102.461 ± 0.017 χ^2/NDF : 2528296.5/33

All: 86.442 ± 0.007 χ^2/NDF : 7978097.9/110

- sign 87.300 ± 0.010 χ^2/NDF : 4227864.0/56

Left In: 78.615 ± 0.013 χ^2/NDF : 497808.4/22

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:47.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.4/33

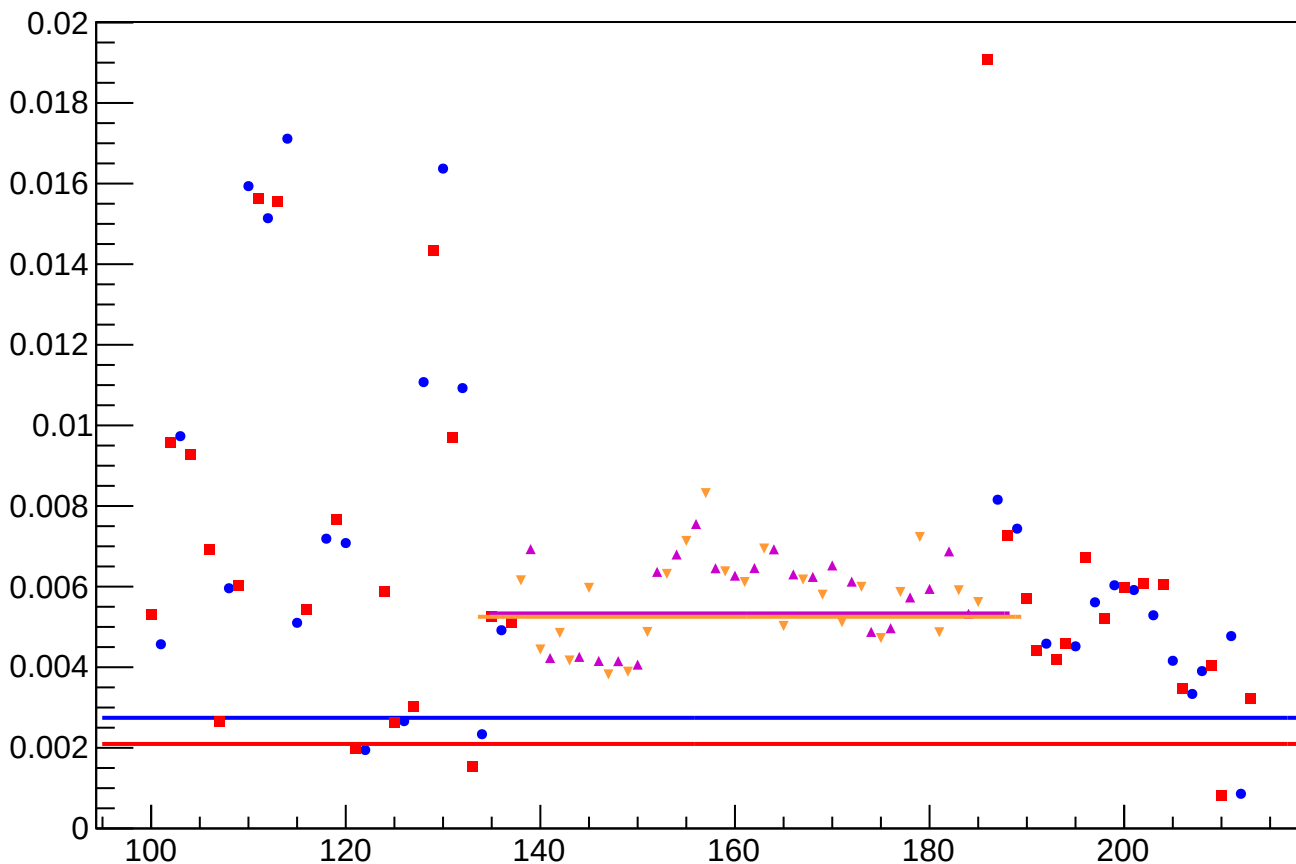
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 95.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 161.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.2/56

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 13137137.2/28

Left Out: 0.005+/-0.000 χ^2/NDF :1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 17421365.8/33

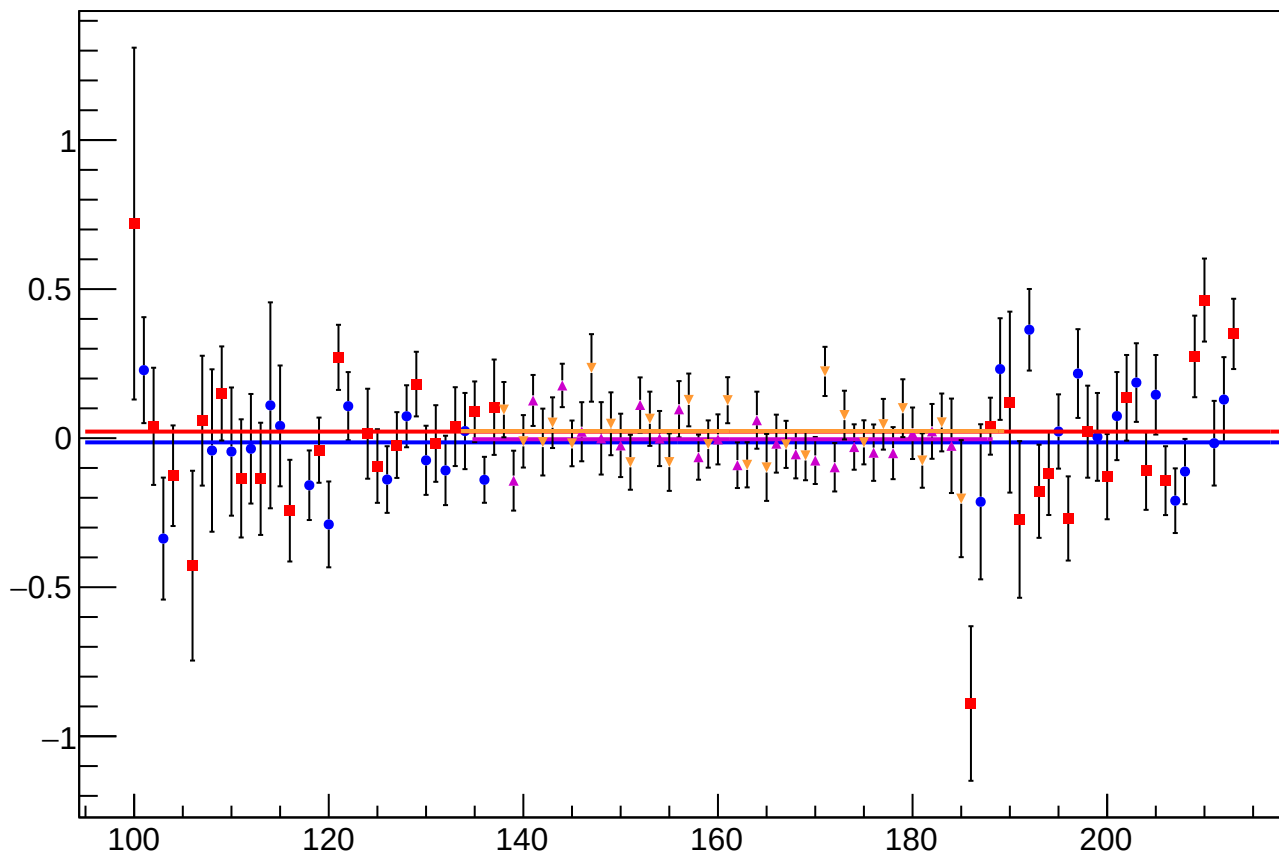
Left In: 0.005+/-0.000 χ^2/NDF :1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 20227170.6/53

All: 0.003+/-0.000 χ^2/NDF : 50451845.3/110

- sign 0.003+/-0.000 χ^2/NDF : 28864547.4/56

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014 ± 0.025 χ^2/NDF : 38.5/28

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.022 ± 0.025 χ^2/NDF : 64.8/33

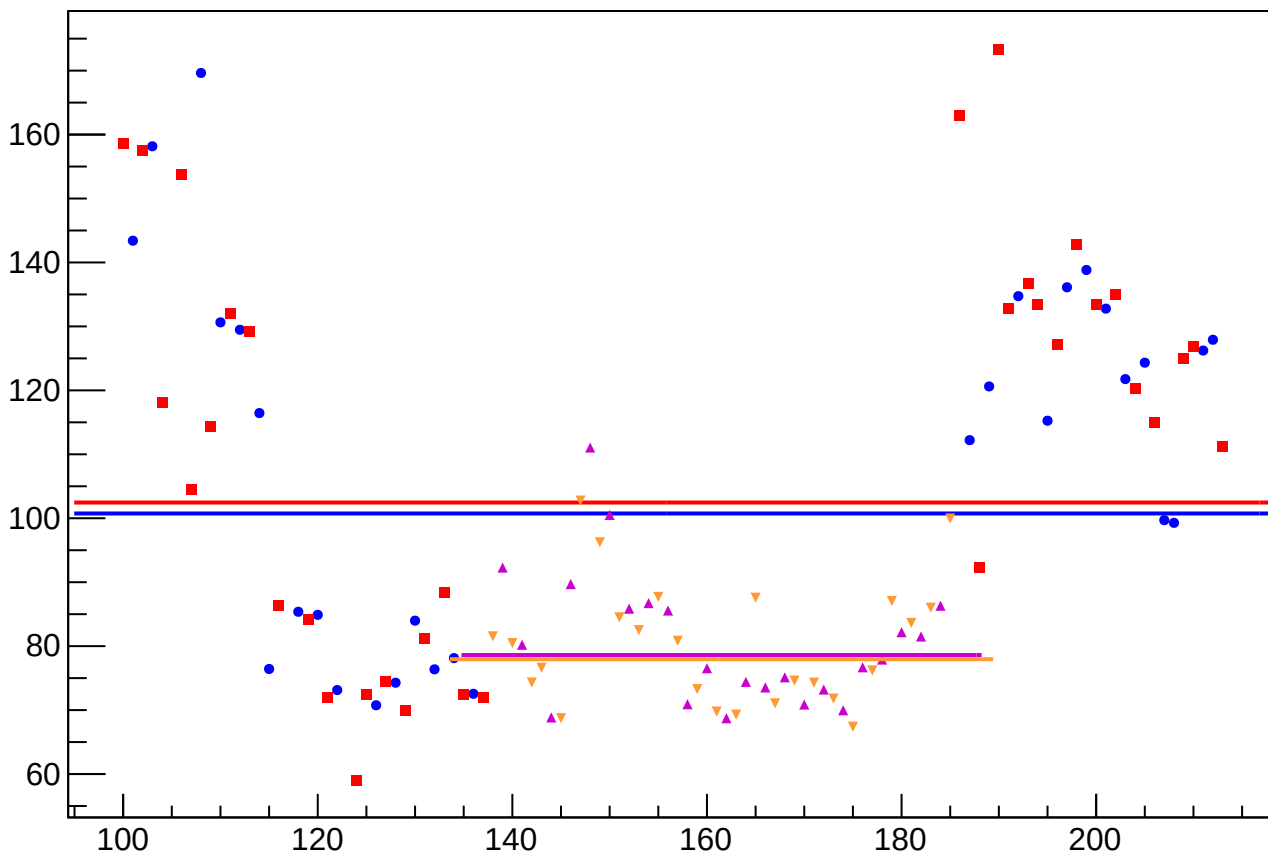
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.011 ± 0.015 χ^2/NDF : 65.5/53

All: 0.009 ± 0.010 χ^2/NDF : 149.9/110

- sign 0.006 ± 0.015 χ^2/NDF : 84.3/56

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 100.746 $\pm$ 0.018 χ^2 /NDF: 2203012.6/28

Left Out: 77.957 $\pm$ 0.013 χ^2 /NDF: 439744.9/24

Right Out: 102.459 $\pm$ 0.017 χ^2 /NDF: 2528421.0/33

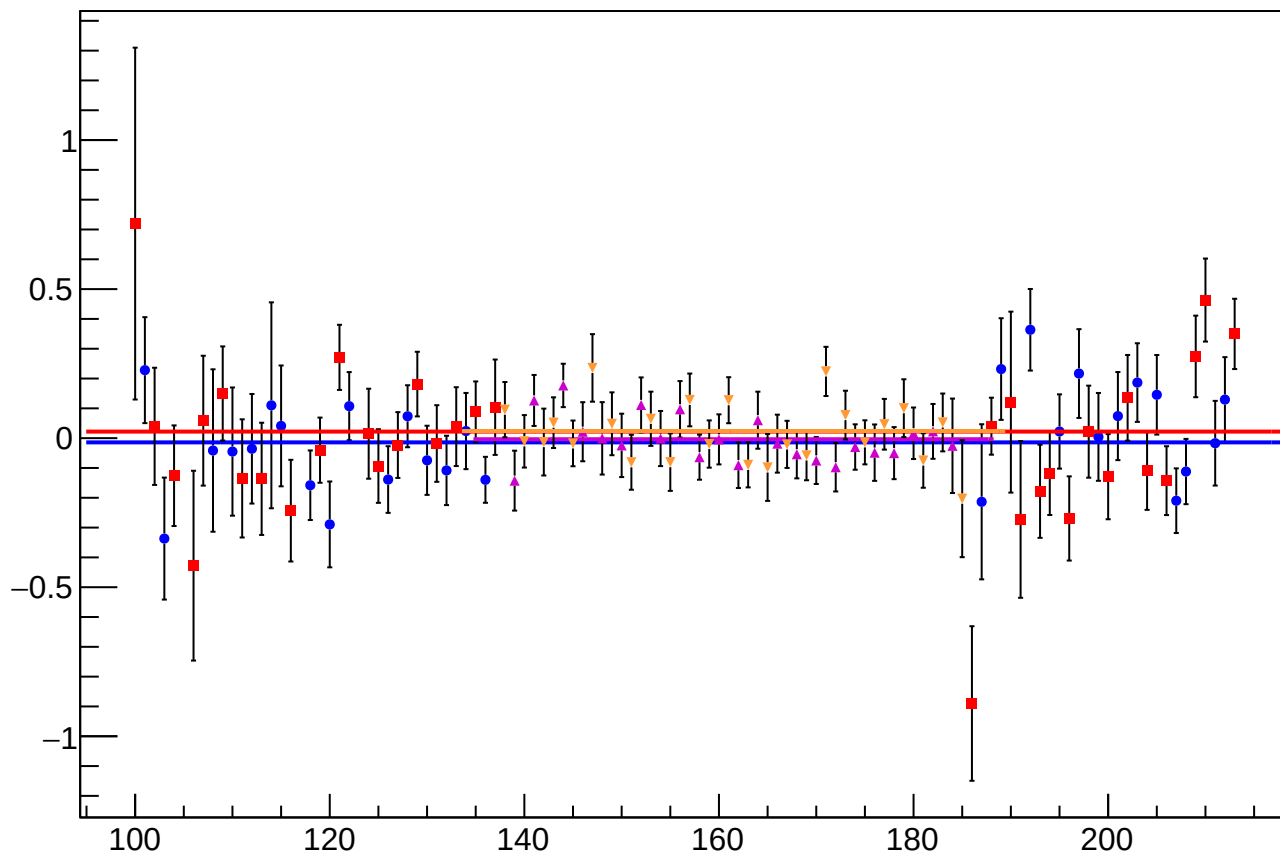
Left In: 78.614 $\pm$ 0.013 χ^2 /NDF: 497846.3/22

+ sign 85.612 $\pm$ 0.010 χ^2 /NDF: 3737088.4/53

All: 86.441 $\pm$ 0.007 χ^2 /NDF: 7978245.4/110

- sign 87.299 $\pm$ 0.010 χ^2 /NDF: 4227950.7/56

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014 ± 0.025 χ^2/NDF : 38.5/28

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.022 ± 0.025 χ^2/NDF : 64.8/33

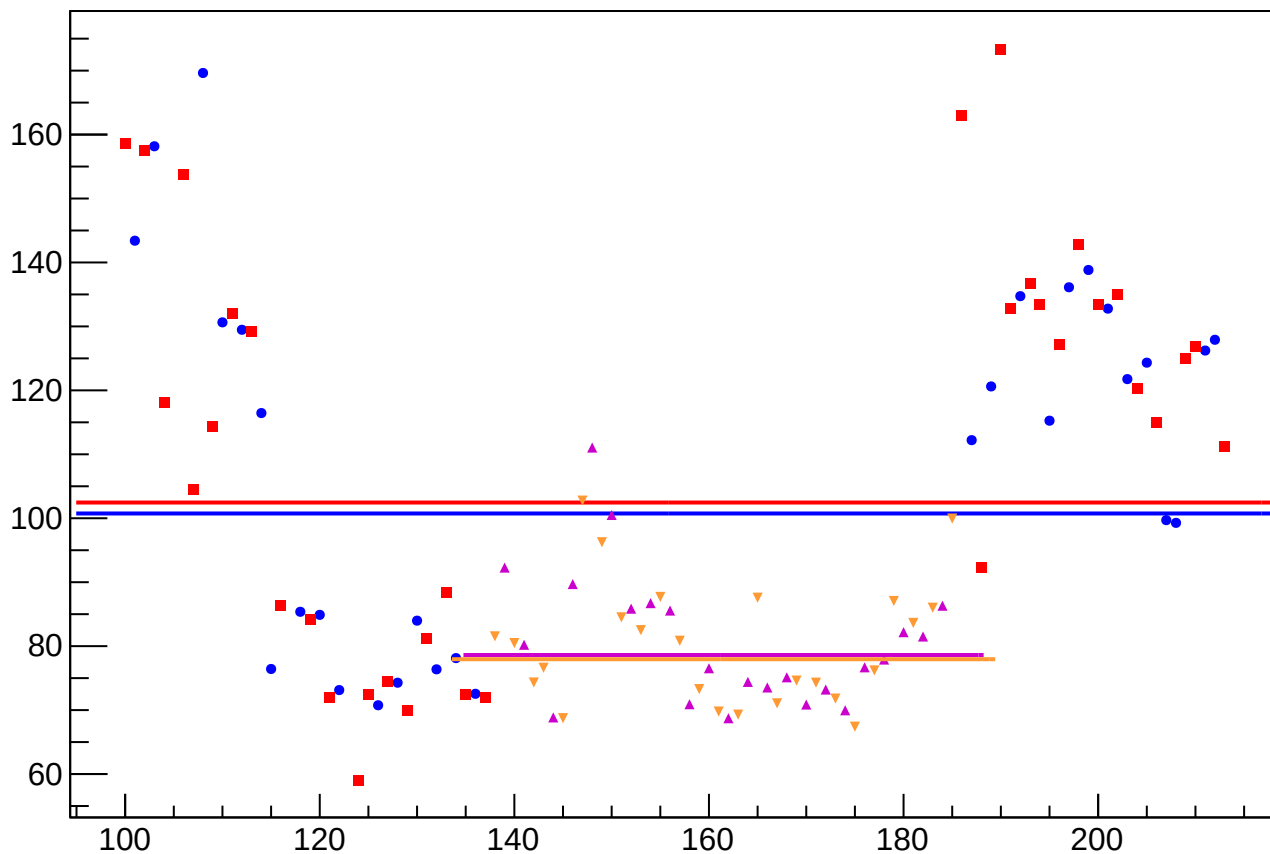
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.011 ± 0.015 χ^2/NDF : 65.5/53

All: 0.009 ± 0.010 χ^2/NDF : 149.9/110

- sign 0.006 ± 0.015 χ^2/NDF : 84.3/56

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 100.746 $\pm$ 0.018 χ^2 /NDF: 2203012.6/28

Left Out: 77.957 $\pm$ 0.013 χ^2 /NDF: 439744.9/24

+ sign 85.612 $\pm$ 0.010 χ^2 /NDF: 3737088.4/53

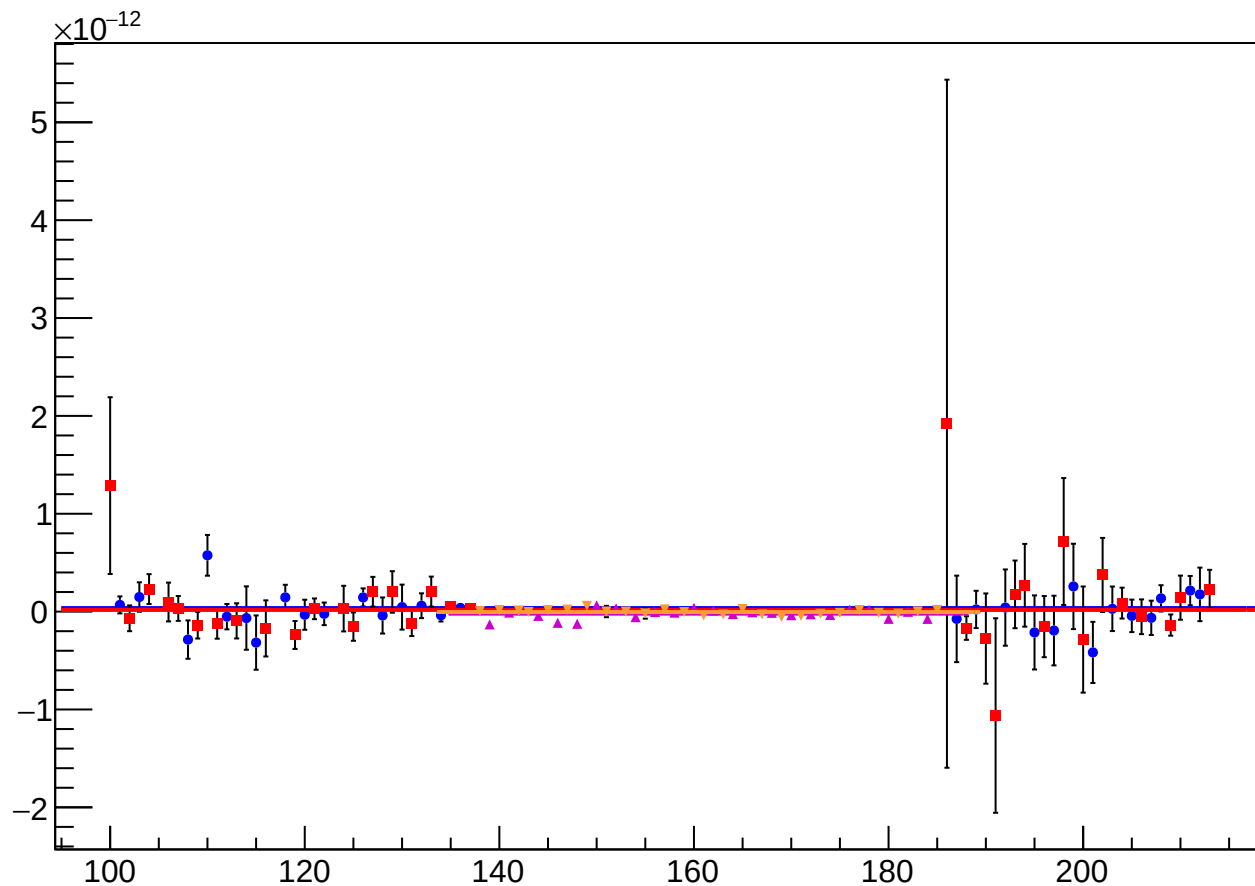
Right Out: 102.459 $\pm$ 0.017 χ^2 /NDF: 2528421.0/33

All: 86.441 $\pm$ 0.007 χ^2 /NDF: 7978245.4/110

- sign 87.299 $\pm$ 0.010 χ^2 /NDF: 4227950.7/56

Left In: 78.614 $\pm$ 0.013 χ^2 /NDF: 497846.3/22

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 22.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 29.3/33

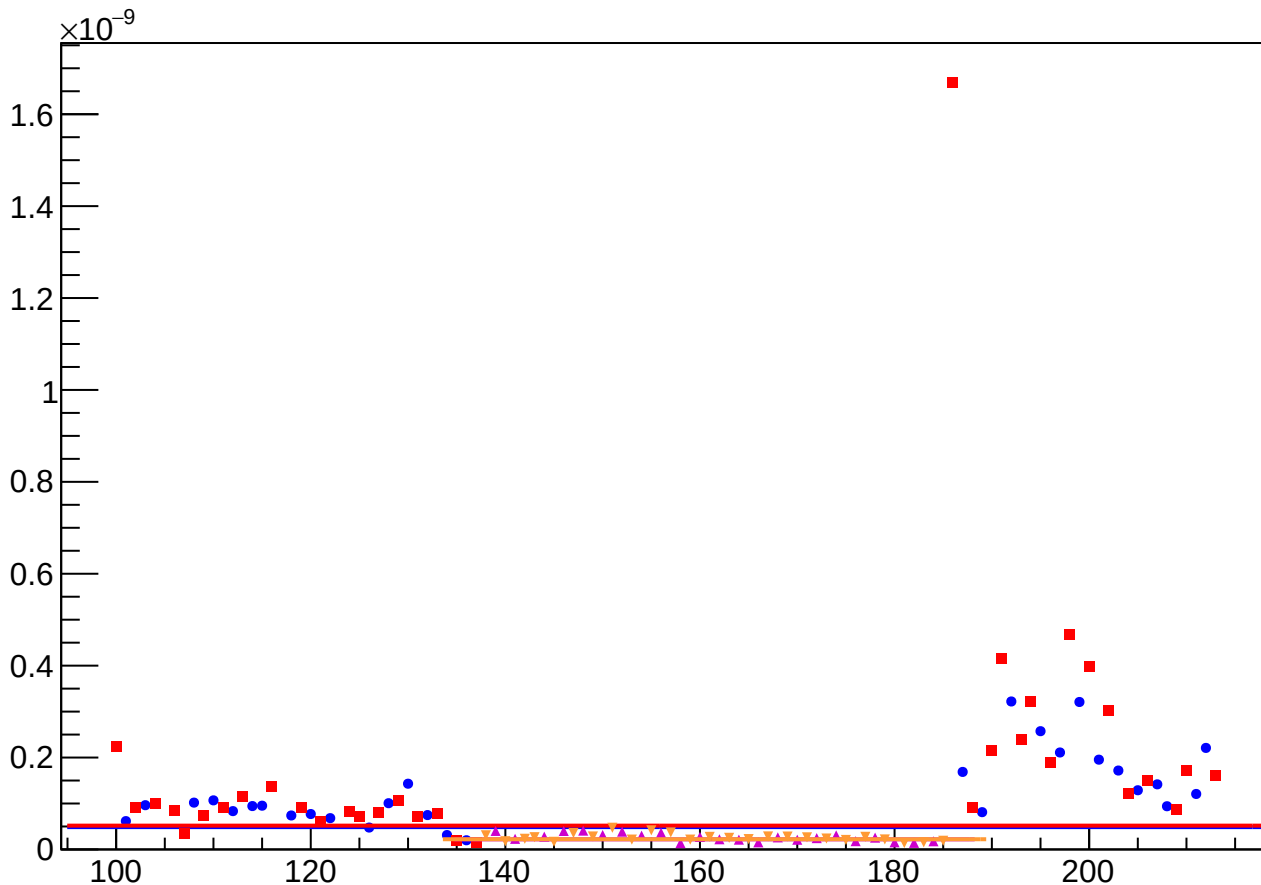
Left In: -0.000 ± 0.000 χ^2/NDF : 40.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 39.4/53

All: -0.000 ± 0.000 χ^2/NDF : 115.9/110

- sign -0.000 ± 0.000 χ^2/NDF : 72.5/56

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10540950.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12700500.0/33

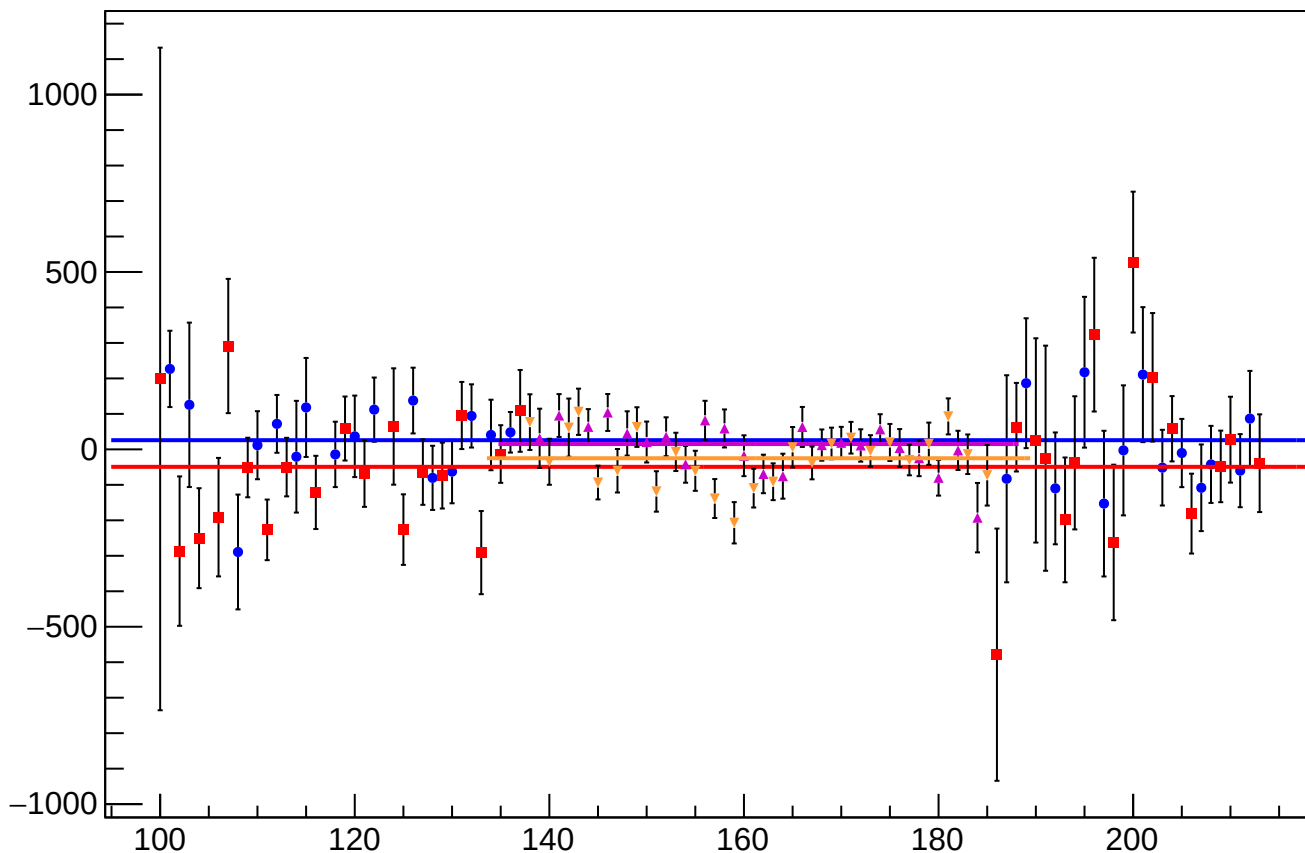
Left In: 0.000+/-0.000 χ^2/NDF : 2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 16165927.2/53

All: 0.000+/-0.000 χ^2/NDF : 35475812.2/110

- sign 0.000+/-0.000 χ^2/NDF : 19309879.5/56

reg_asym_sam_37_dd_mean vs Slug



Right In: 25.866 $\pm$ 20.460 χ^2 /NDF: 21.4/28

Left Out: -24.988 $\pm$ 10.888 χ^2 /NDF: 43.1/24

Right Out: -49.227 $\pm$ 20.645 χ^2 /NDF: 47.3/33

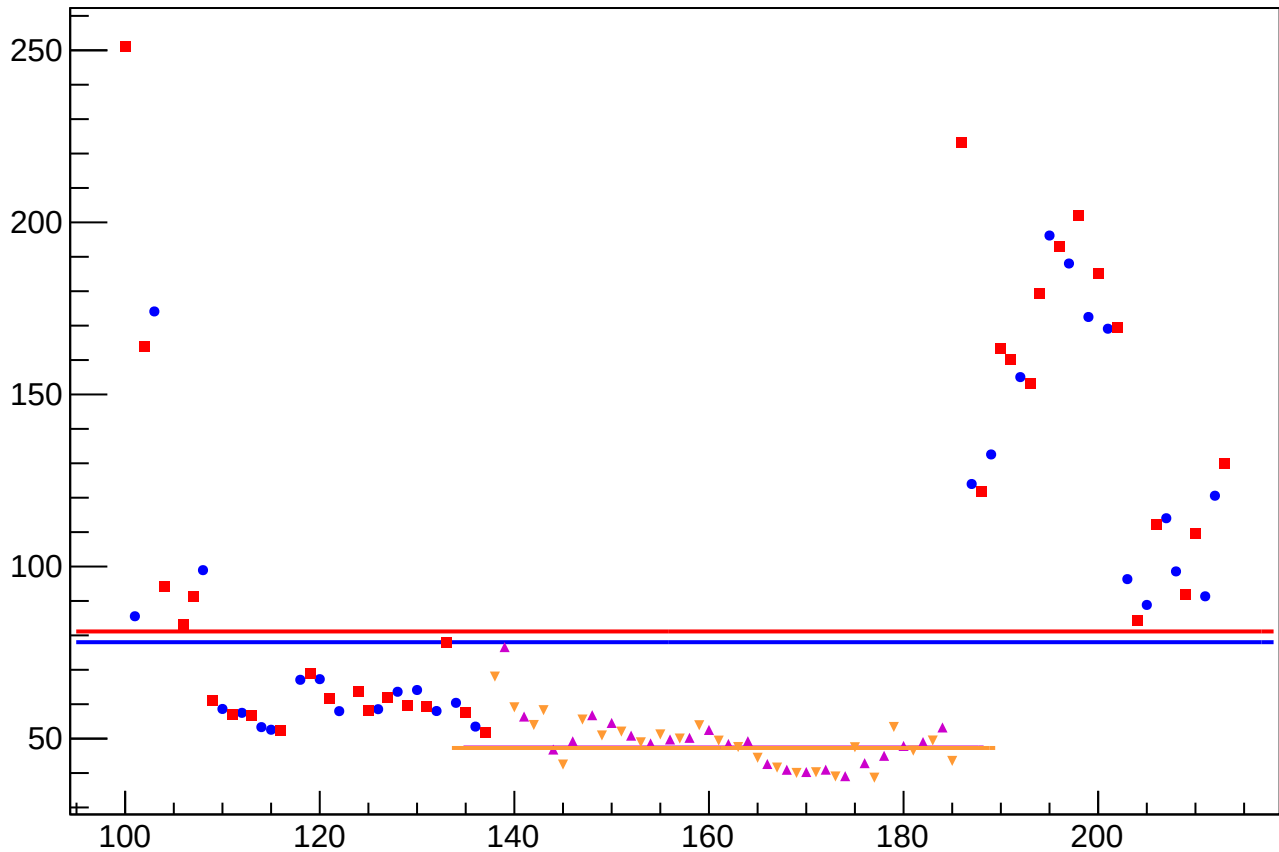
Left In: 14.994 $\pm$ 11.218 χ^2 /NDF: 24.7/22

+ sign -13.765 $\pm$ 9.611 χ^2 /NDF: 69.3/53

All: -6.883 $\pm$ 6.881 χ^2 /NDF: 149.8/110

- sign 0.355 $\pm$ 9.857 χ^2 /NDF: 79.5/56

reg_asym_sam_37_dd_rms vs Slug



Right In: 78.019 $\pm$ 0.014 χ^2 /NDF: 5024961.4/28

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.8/24

Right Out: 81.140 $\pm$ 0.015 χ^2 /NDF: 6258298.2/33

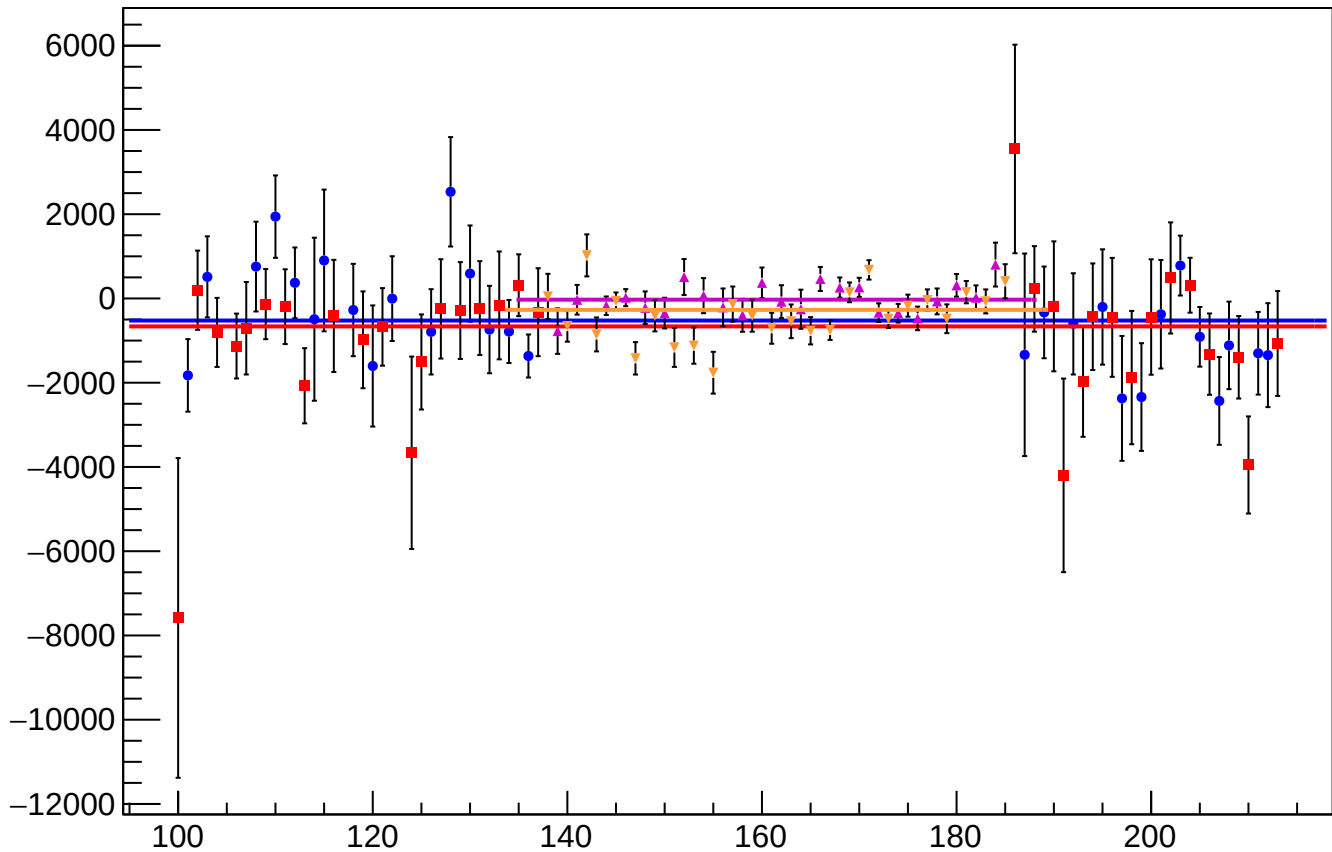
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 54.067 $\pm$ 0.007 χ^2 /NDF: 9259691.3/53

All: 54.575 $\pm$ 0.005 χ^2 /NDF: 20303051.9/110

- sign 55.110 $\pm$ 0.007 χ^2 /NDF: 11031869.3/56

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -524.311 ± 185.664 χ^2/NDF : 35.6/28

Left Out: -271.031 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -663.116 ± 185.204 χ^2/NDF : 32.6/33

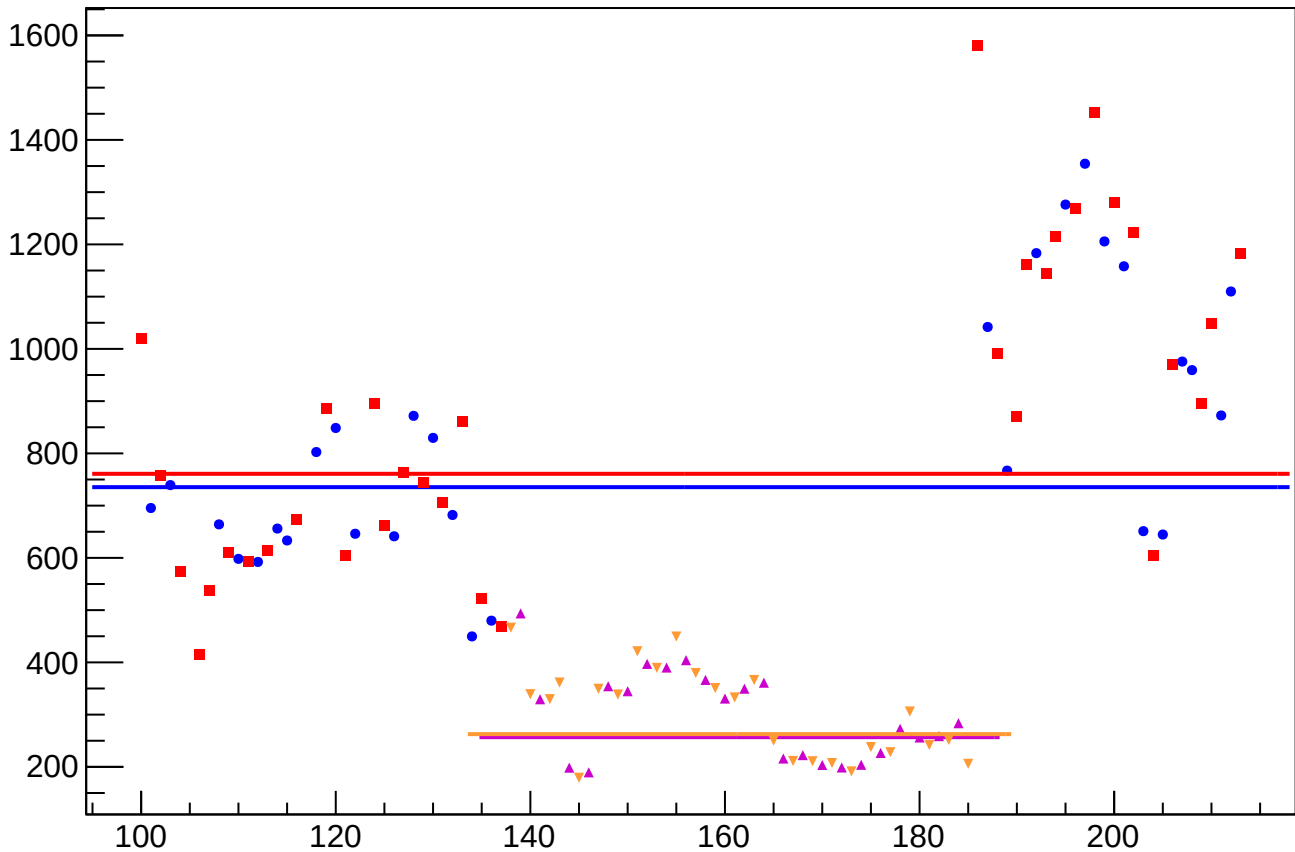
Left In: -29.200 ± 62.671 χ^2/NDF : 24.4/22

+ sign -296.697 ± 59.103 χ^2/NDF : 111.2/53

All: -195.960 ± 41.884 χ^2/NDF : 184.6/110

- sign -94.330 ± 59.364 χ^2/NDF : 67.6/56

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 735.380 +/- 0.131 χ^2/NDF : 2950811.5/28

Left Out: 262.679 +/- 0.044 χ^2/NDF : 2893255.4/24

Right Out: 760.902 +/- 0.131 χ^2/NDF : 3887847.0/33

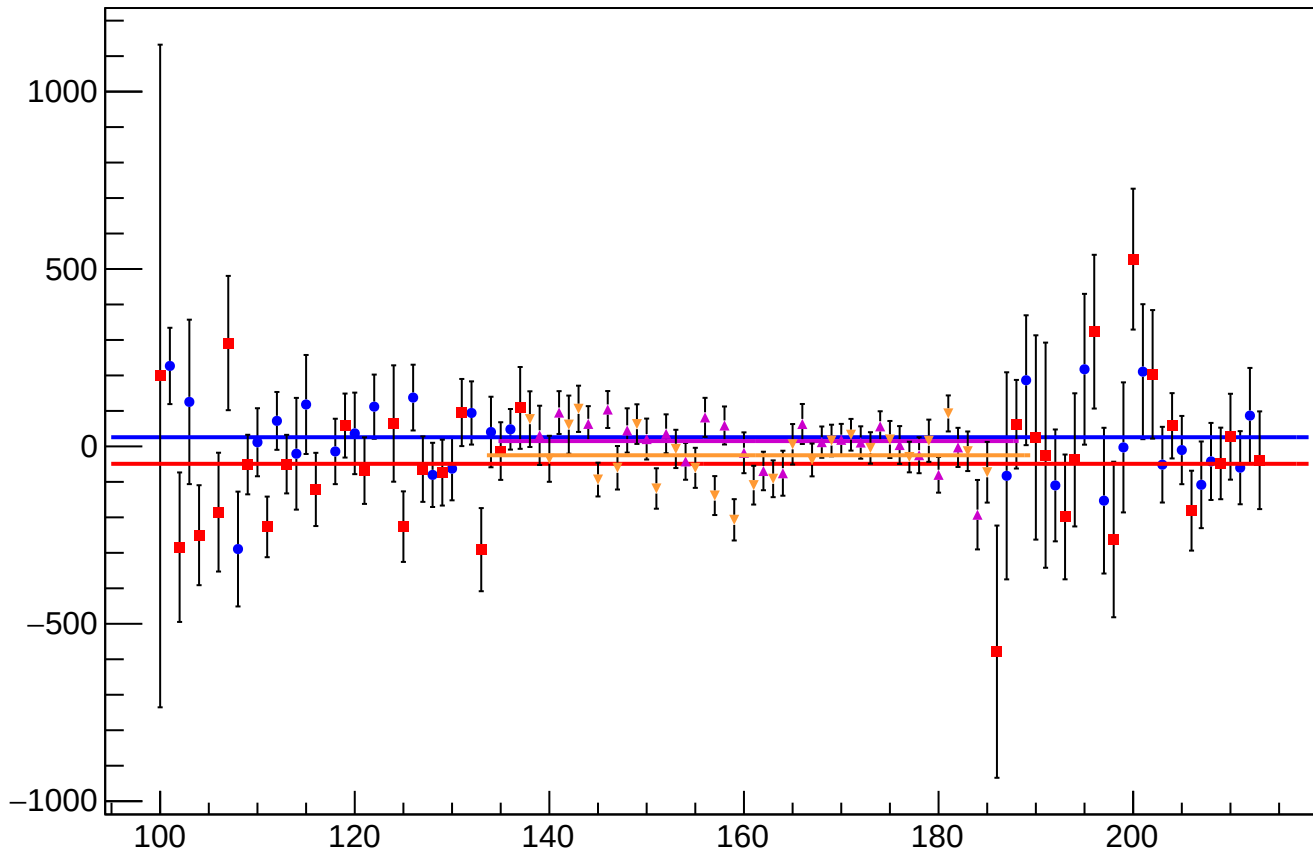
Left In: 256.842 +/- 0.044 χ^2/NDF : 2639200.9/22

+ sign 310.580 +/- 0.042 χ^2/NDF : 17494577.5/53

All: 309.609 +/- 0.030 χ^2/NDF : 37315344.4/11

- sign 308.630 +/- 0.042 χ^2/NDF : 19819683.4/56

cor_asym_sam_37_dd_mean vs Slug



Right In: 25.860 ± 20.460 χ^2/NDF : 21.4/28

Left Out: -24.985 ± 10.888 χ^2/NDF : 43.1/24

Right Out: -49.097 ± 20.646 χ^2/NDF : 47.2/33

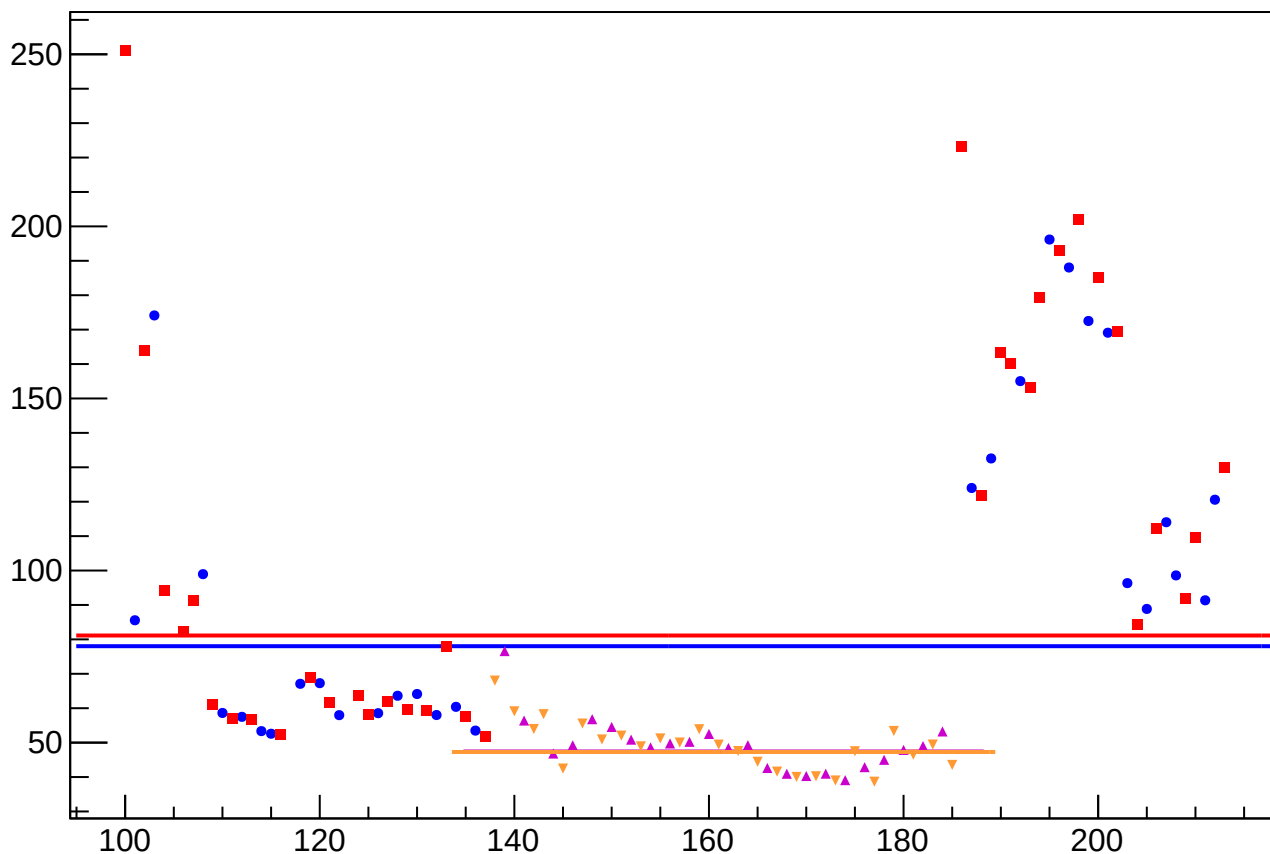
Left In: 14.992 ± 11.218 χ^2/NDF : 24.7/22

+ sign -13.764 ± 9.611 χ^2/NDF : 69.3/53

All: -6.868 ± 6.881 χ^2/NDF : 149.7/110

- sign 0.384 ± 9.857 χ^2/NDF : 79.4/56

cor_asym_sam_37_dd_rms vs Slug



Right In: 78.019+/-0.014 χ^2/NDF : 5024963.8/28

Left Out: 47.284+/-0.008 χ^2/NDF : 717249.7/24

Right Out: 81.124+/-0.015 χ^2/NDF : 6258250.5/33

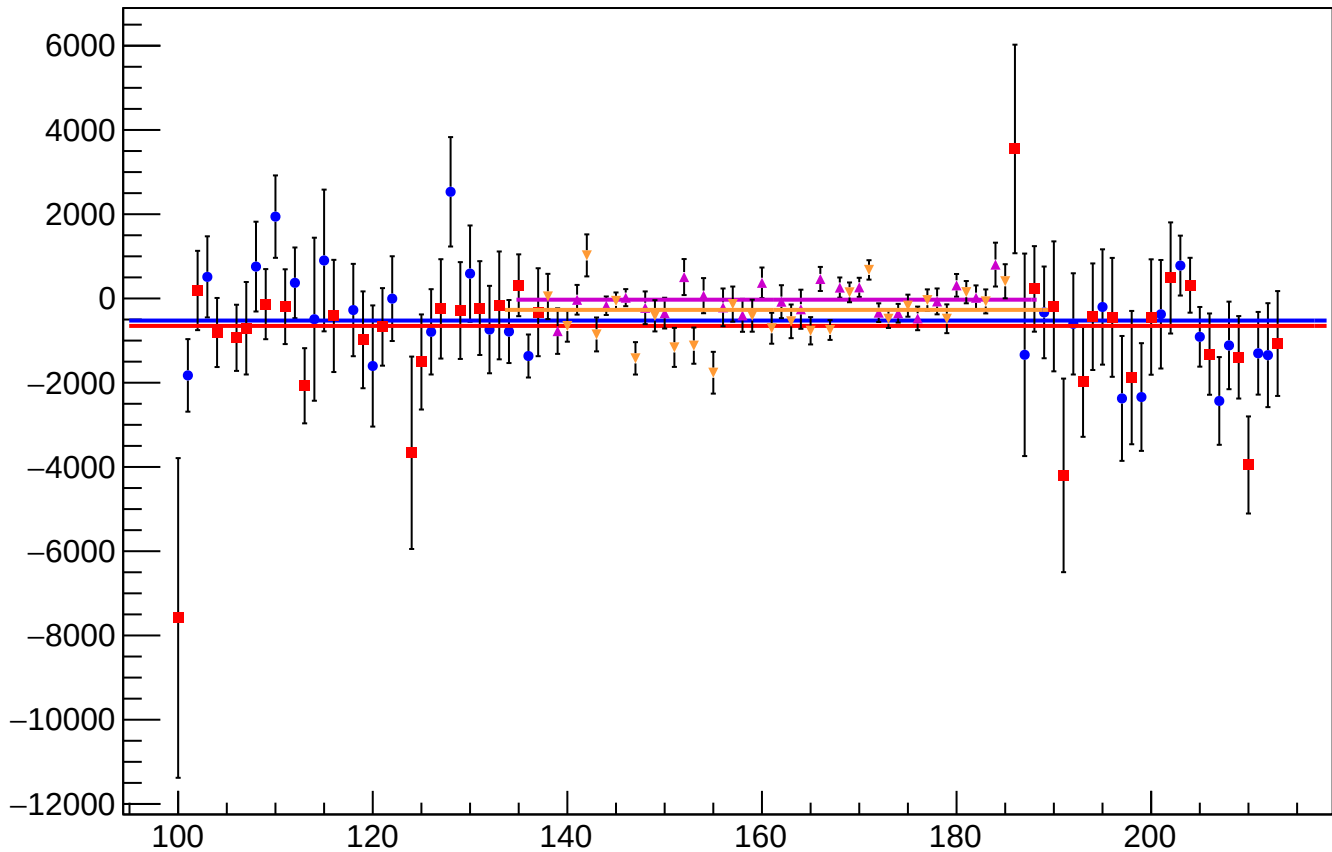
Left In: 47.425+/-0.008 χ^2/NDF : 655736.9/22

+ sign 54.067+/-0.007 χ^2/NDF : 9259693.0/53

All: 54.573+/-0.005 χ^2/NDF : 20298796.3/110

- sign 55.106+/-0.007 χ^2/NDF : 11027702.3/56

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -524.312 ± 185.665 χ^2/NDF : 35.6/28

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -651.560 ± 185.421 χ^2/NDF : 32.4/33

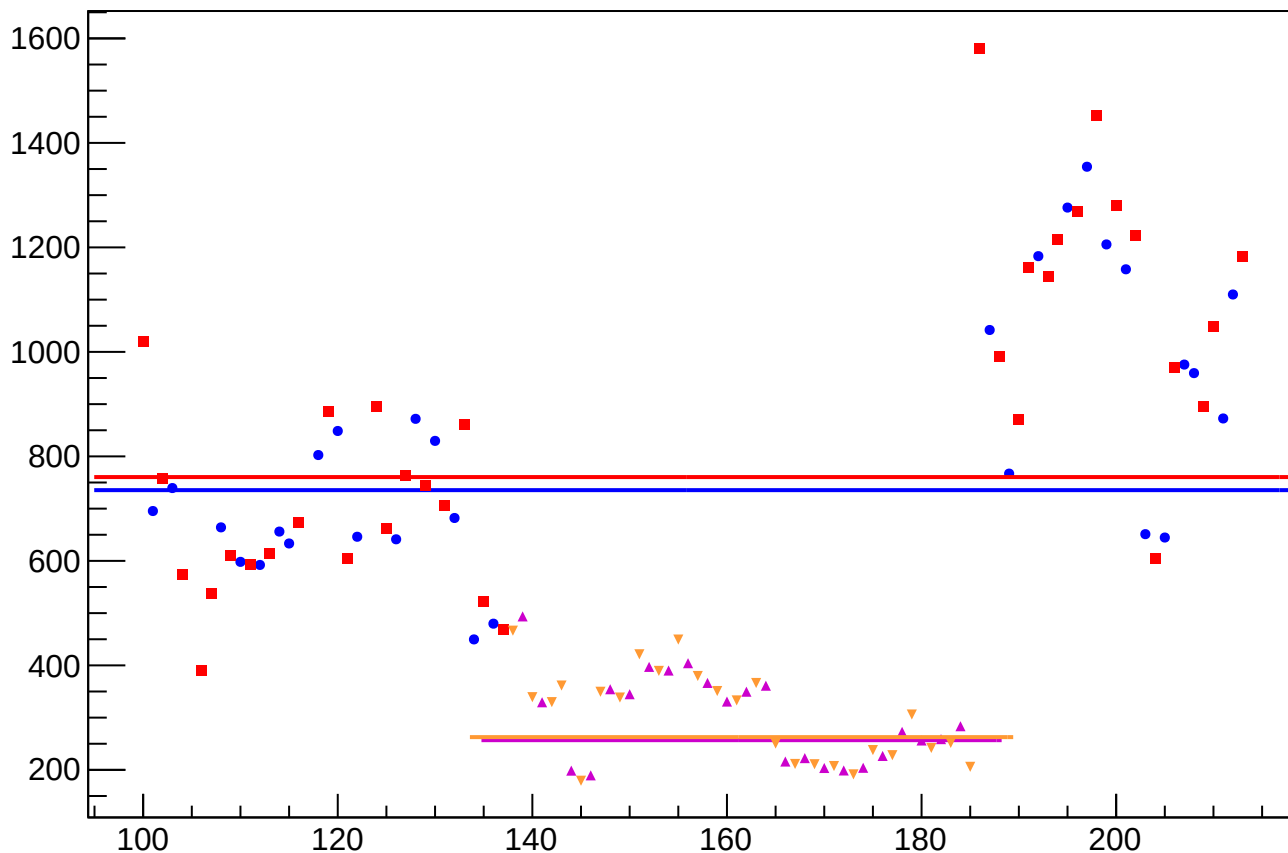
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -296.693 ± 59.103 χ^2/NDF : 111.2/53

All: -195.313 ± 41.886 χ^2/NDF : 184.0/110

- sign -93.010 ± 59.371 χ^2/NDF : 66.9/56

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 735.383 ± 0.131 χ^2/NDF : 2950813.9/28

Left Out: 262.679 ± 0.044 χ^2/NDF : 2893257.1/24

Right Out: 760.411 ± 0.131 χ^2/NDF : 3926390.4/33

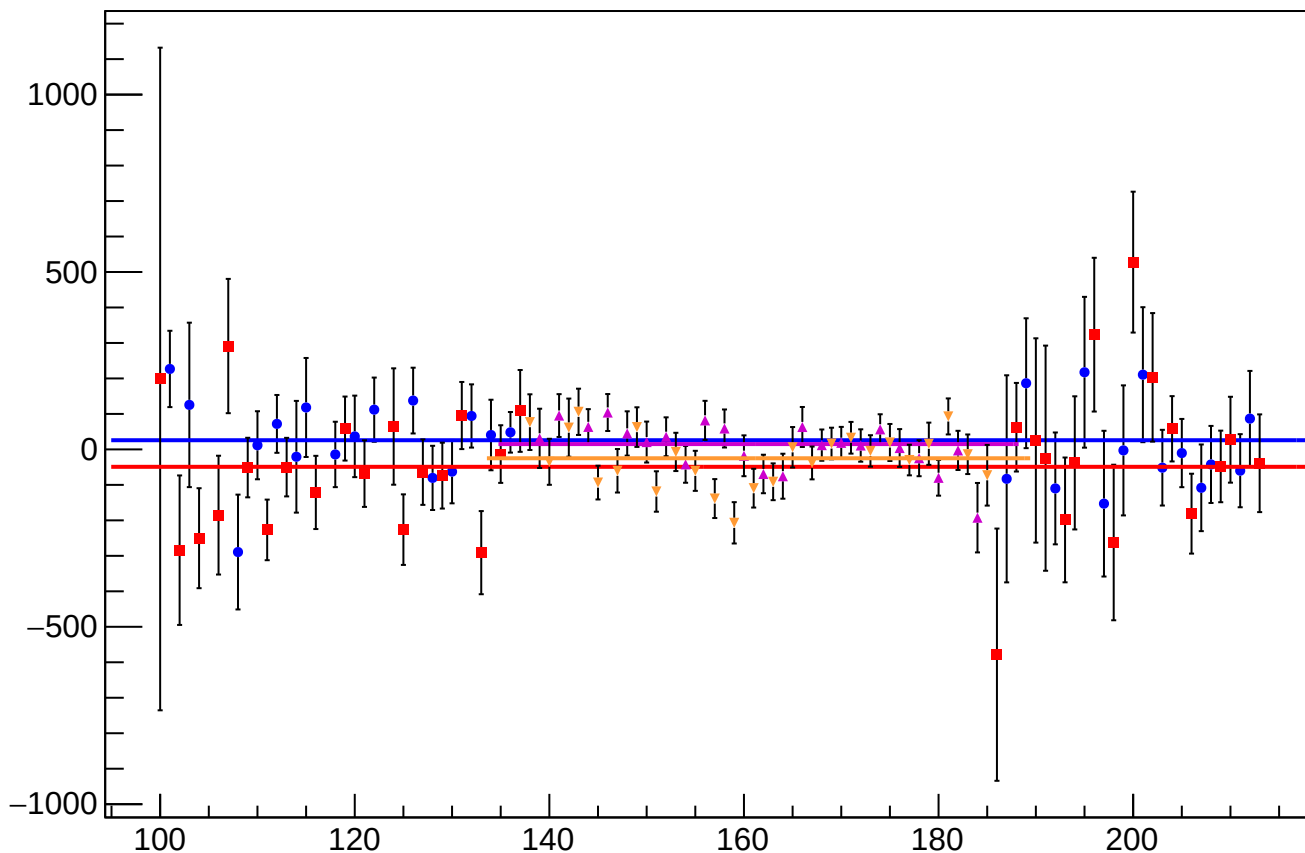
Left In: 256.842 ± 0.044 χ^2/NDF : 2639196.2/22

+ sign 310.580 ± 0.042 χ^2/NDF : 17494637.3/53

All: 309.530 ± 0.030 χ^2/NDF : 37300367.6/11

- sign 308.471 ± 0.042 χ^2/NDF : 19804463.1/56

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 25.860 ± 20.460 $\chi^2/\text{NDF}: 21.4/28$

Left Out: -24.985 ± 10.888 $\chi^2/\text{NDF}: 43.1/24$

Right Out: -49.097 ± 20.646 $\chi^2/\text{NDF}: 47.2/33$

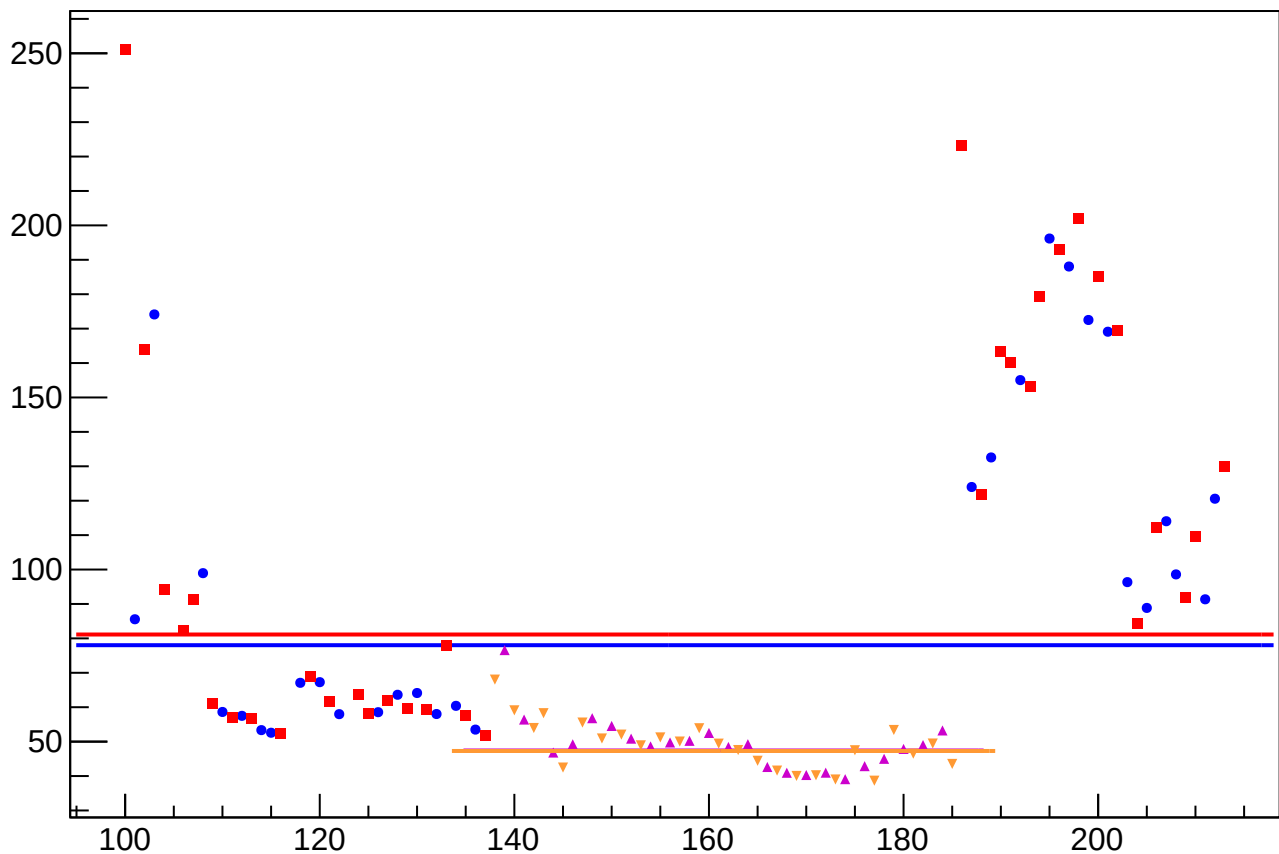
Left In: 14.992 ± 11.218 $\chi^2/\text{NDF}: 24.7/22$

+ sign -13.764 ± 9.611 $\chi^2/\text{NDF}: 69.3/53$

All: -6.868 ± 6.881 $\chi^2/\text{NDF}: 149.7/110$

- sign 0.384 ± 9.857 $\chi^2/\text{NDF}: 79.4/56$

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 78.019+/-0.014 χ^2/NDF : 5024963.8/28

Left Out: 47.284+/-0.008 χ^2/NDF : 717249.7/24

Right Out: 81.124+/-0.015 χ^2/NDF : 6258250.5/33

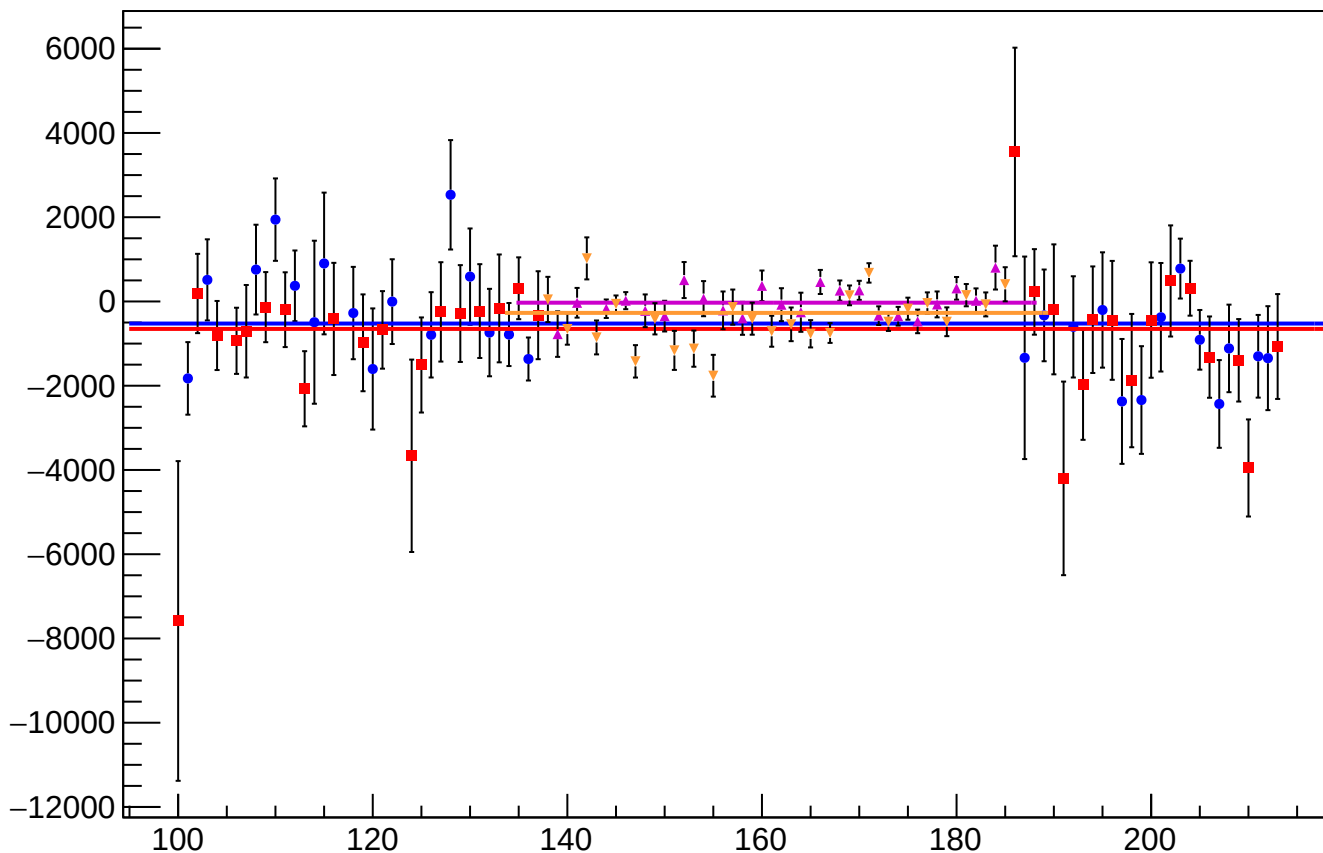
Left In: 47.425+/-0.008 χ^2/NDF : 655736.9/22

+ sign 54.067+/-0.007 χ^2/NDF : 9259693.0/53

All: 54.573+/-0.005 χ^2/NDF : 20298796.3/110

- sign 55.106+/-0.007 χ^2/NDF : 11027702.3/56

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -524.312 ± 185.665 χ^2/NDF : 35.6/28

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -651.560 ± 185.421 χ^2/NDF : 32.4/33

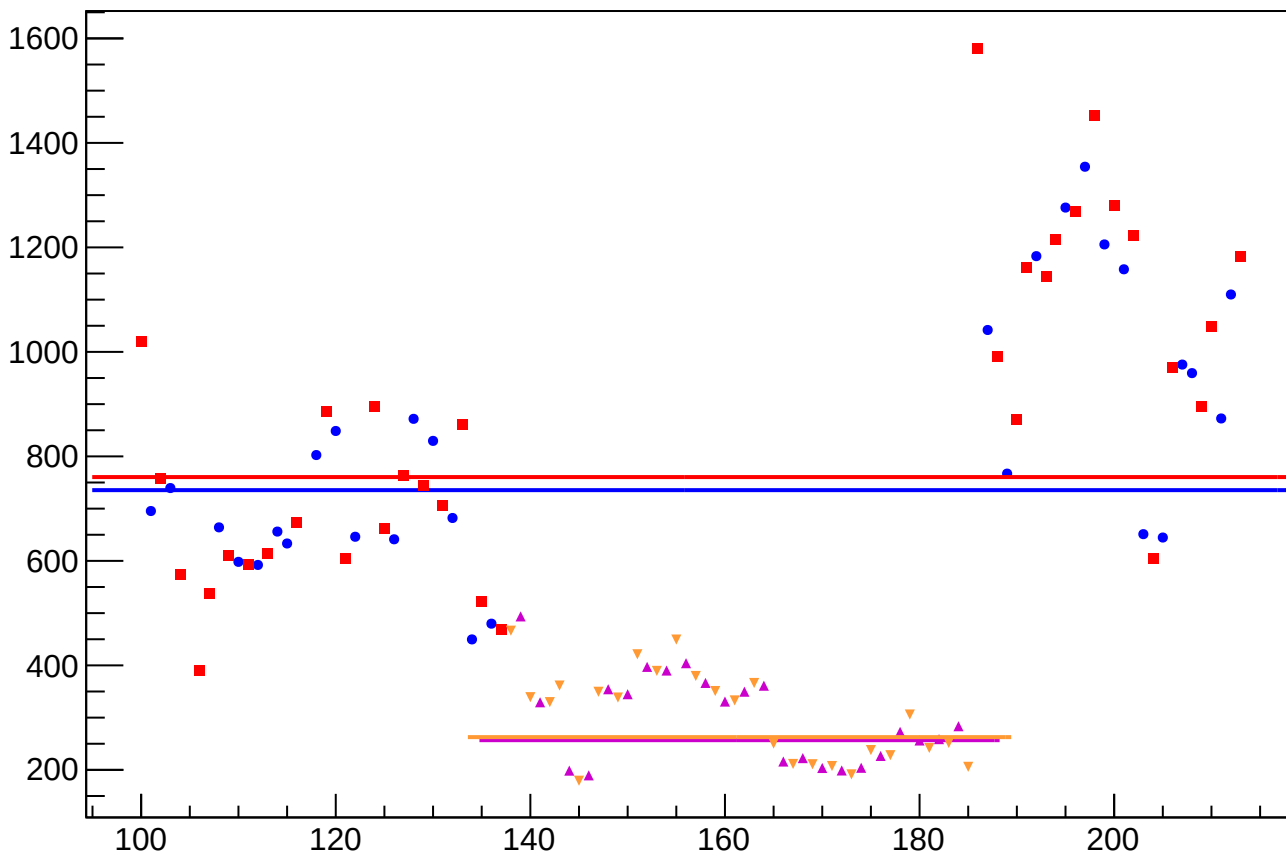
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -296.693 ± 59.103 χ^2/NDF : 111.2/53

All: -195.313 ± 41.886 χ^2/NDF : 184.0/110

- sign -93.010 ± 59.371 χ^2/NDF : 66.9/56

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 735.383 $\pm$ 0.131 χ^2 /NDF: 2950813.9/28

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893257.1/24

Right Out: 760.411 $\pm$ 0.131 χ^2 /NDF: 3926390.4/33

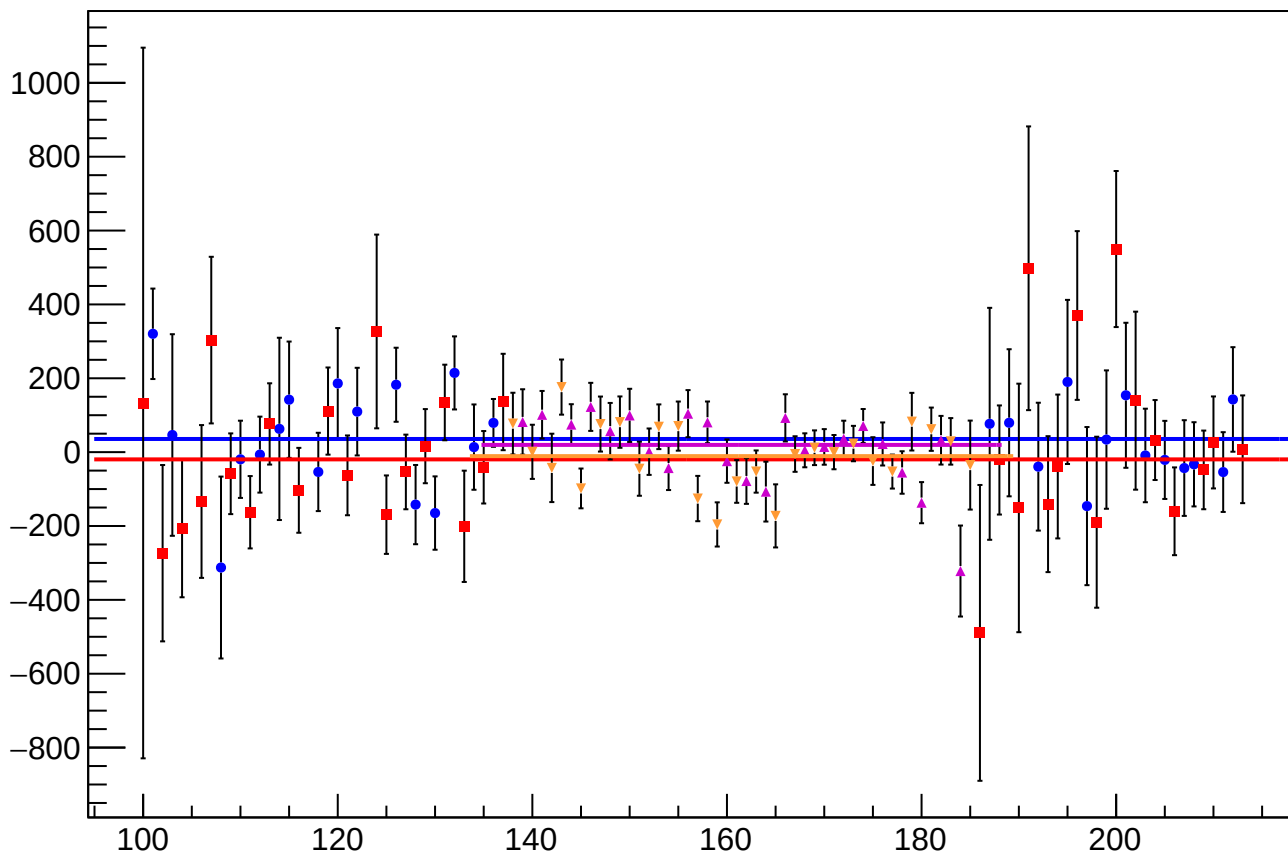
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639196.2/22

+ sign 310.580 $\pm$ 0.042 χ^2 /NDF: 17494637.3/53

All: 309.530 $\pm$ 0.030 χ^2 /NDF: 37300367.6/11

- sign 308.471 $\pm$ 0.042 χ^2 /NDF: 19804463.1/56

dit_asym_sam_37_dd_mean vs Slug



Right In: 35.642 ± 23.336 χ^2/NDF : 27.4/28

Left Out: -10.823 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -19.607 ± 23.882 χ^2/NDF : 35.4/33

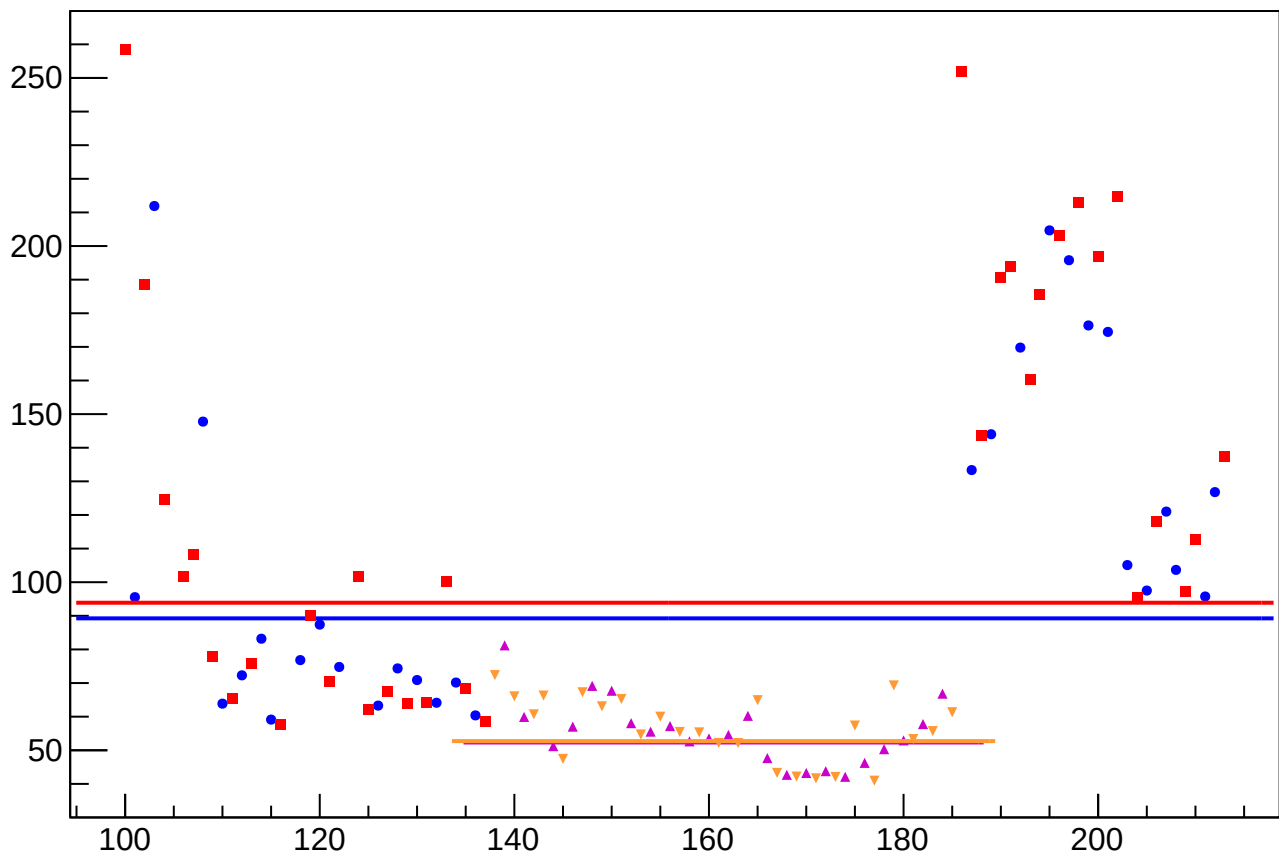
Left In: 19.597 ± 12.546 χ^2/NDF : 36.8/22

+ sign -0.713 ± 10.885 χ^2/NDF : 70.9/53

All: 5.084 ± 7.774 χ^2/NDF : 145.8/110

- sign 11.118 ± 11.107 χ^2/NDF : 74.3/56

dit_asym_sam_37_dd_rms vs Slug



Right In: 89.242 $\pm$ 0.017 χ^2 /NDF: 4459177.4/28

Left Out: 52.731 $\pm$ 0.009 χ^2 /NDF: 1167195.4/24

Right Out: 93.893 $\pm$ 0.017 χ^2 /NDF: 5769243.1/33

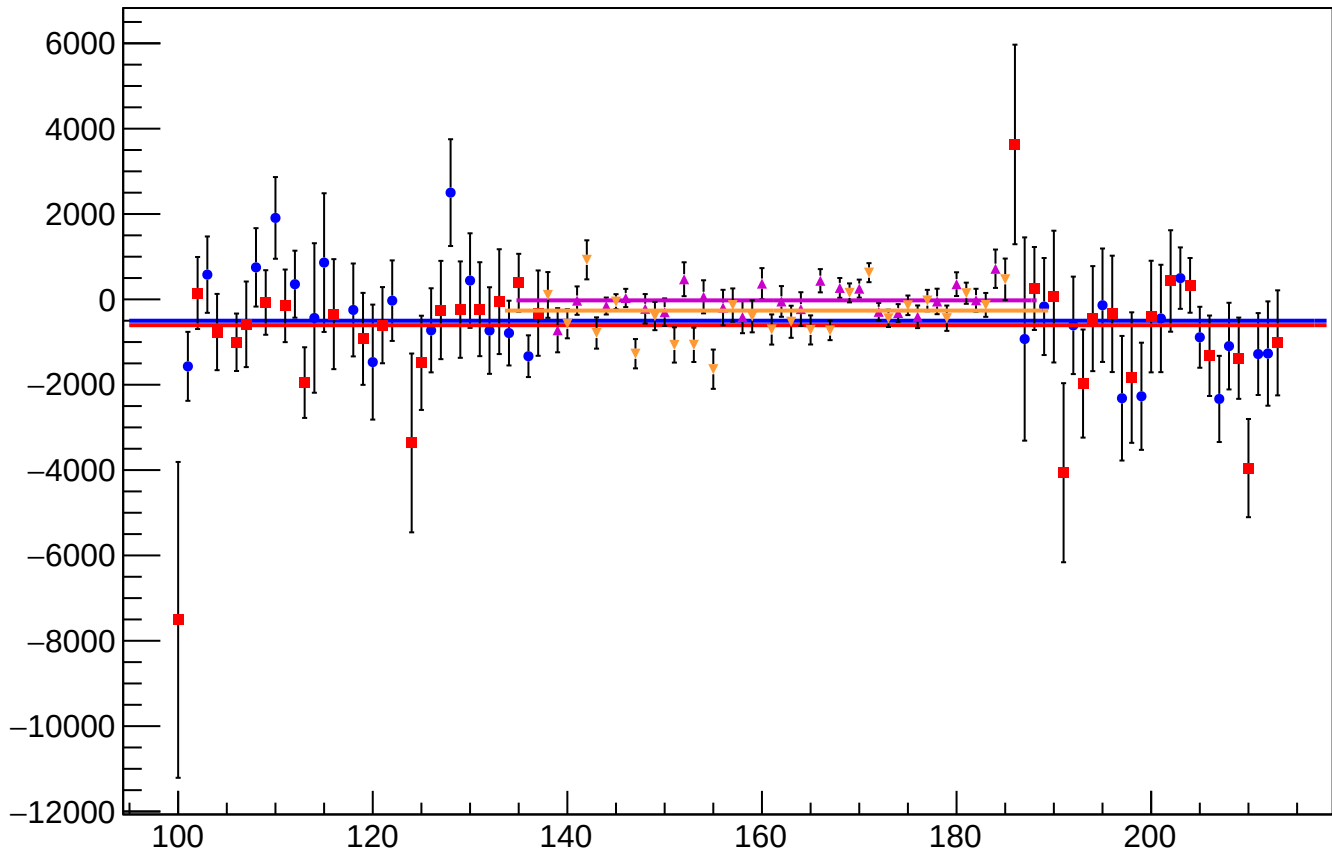
Left In: 52.314 $\pm$ 0.009 χ^2 /NDF: 891847.5/22

+ sign 60.675 $\pm$ 0.008 χ^2 /NDF: 9457005.4/53

All: 60.984 $\pm$ 0.005 χ^2 /NDF: 20872604.5/110

- sign 61.306 $\pm$ 0.008 χ^2 /NDF: 11412303.9/56

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -500.377 ± 179.936 χ^2/NDF : 34.4/28

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -605.064 ± 176.779 χ^2/NDF : 34.9/33

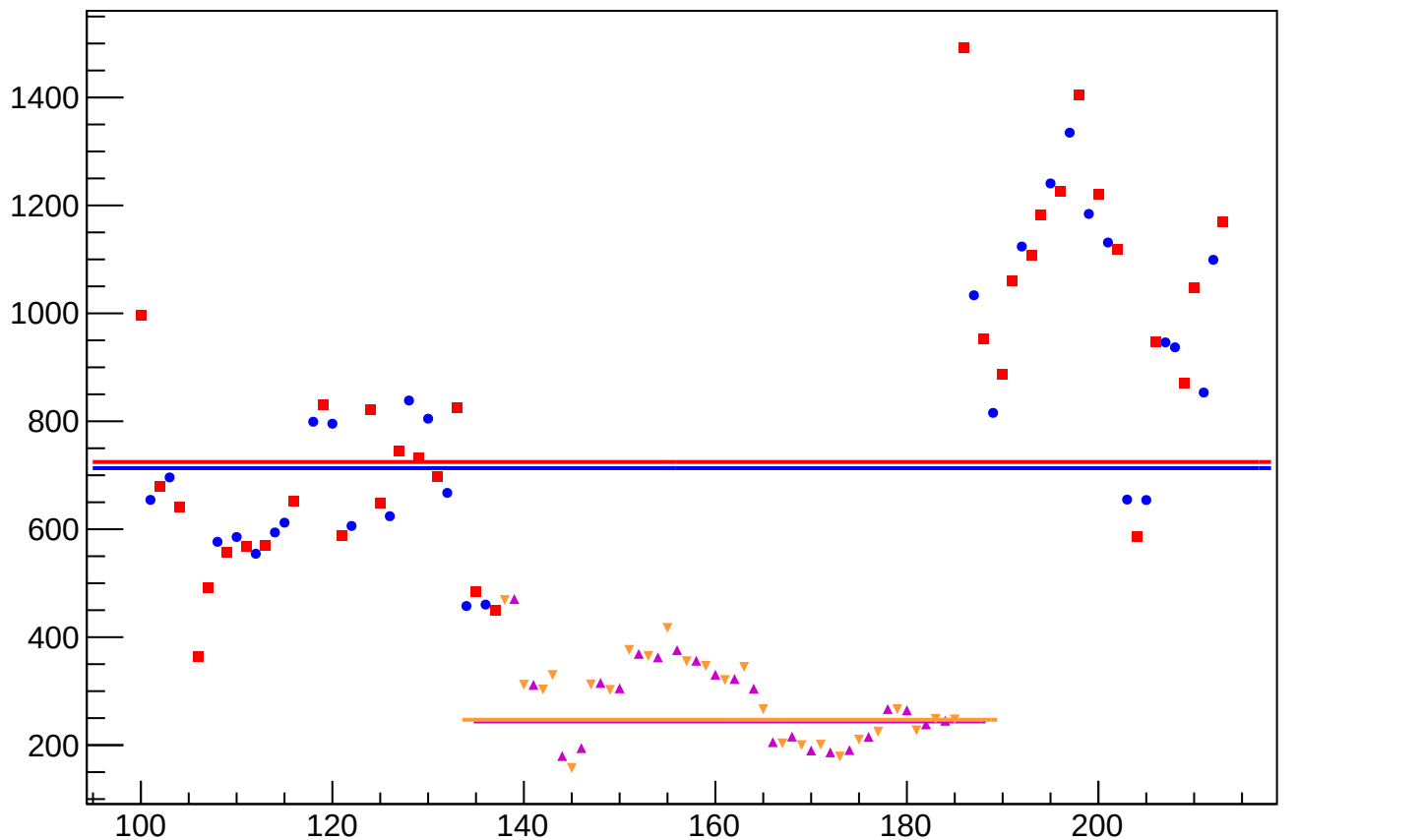
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -285.314 ± 55.634 χ^2/NDF : 108.2/53

All: -185.103 ± 39.574 χ^2/NDF : 183.5/110

- sign -82.466 ± 56.304 χ^2/NDF : 68.8/56

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 713.227 $\pm$ 0.127 χ^2 /NDF: 3013882.3/28

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925691.6/24

Right Out: 724.641 $\pm$ 0.125 χ^2 /NDF: 4163728.4/33

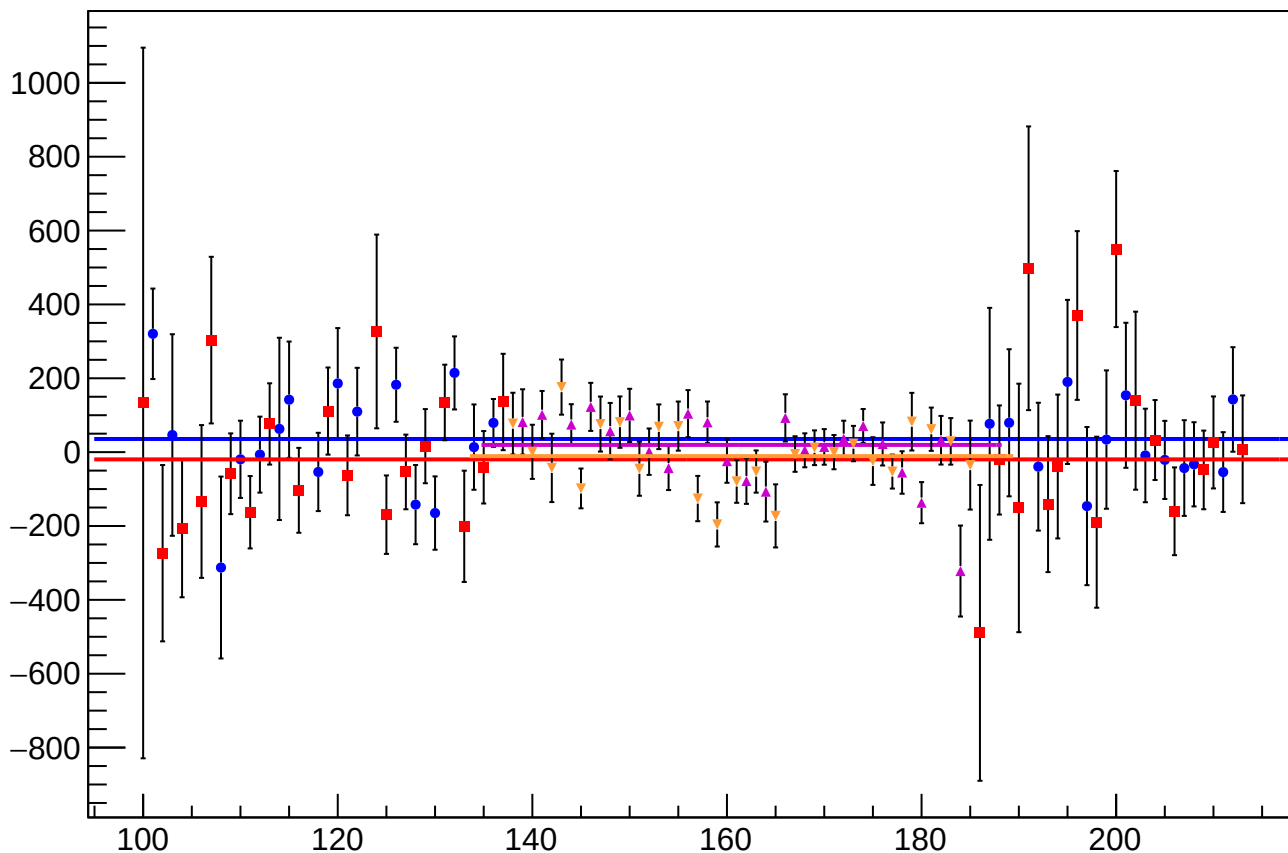
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490545.8/22

+ sign 291.566 $\pm$ 0.039 χ^2 /NDF: 18083426.5/53

All: 292.076 $\pm$ 0.028 χ^2 /NDF: 38032634.7/11

- sign 292.599 $\pm$ 0.040 χ^2 /NDF: 19948867.5/56

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 35.642 ± 23.336 χ^2/NDF : 27.4/28

Left Out: -10.822 ± 12.306 χ^2/NDF : 40.4/24

Right Out: -19.606 ± 23.882 χ^2/NDF : 35.4/33

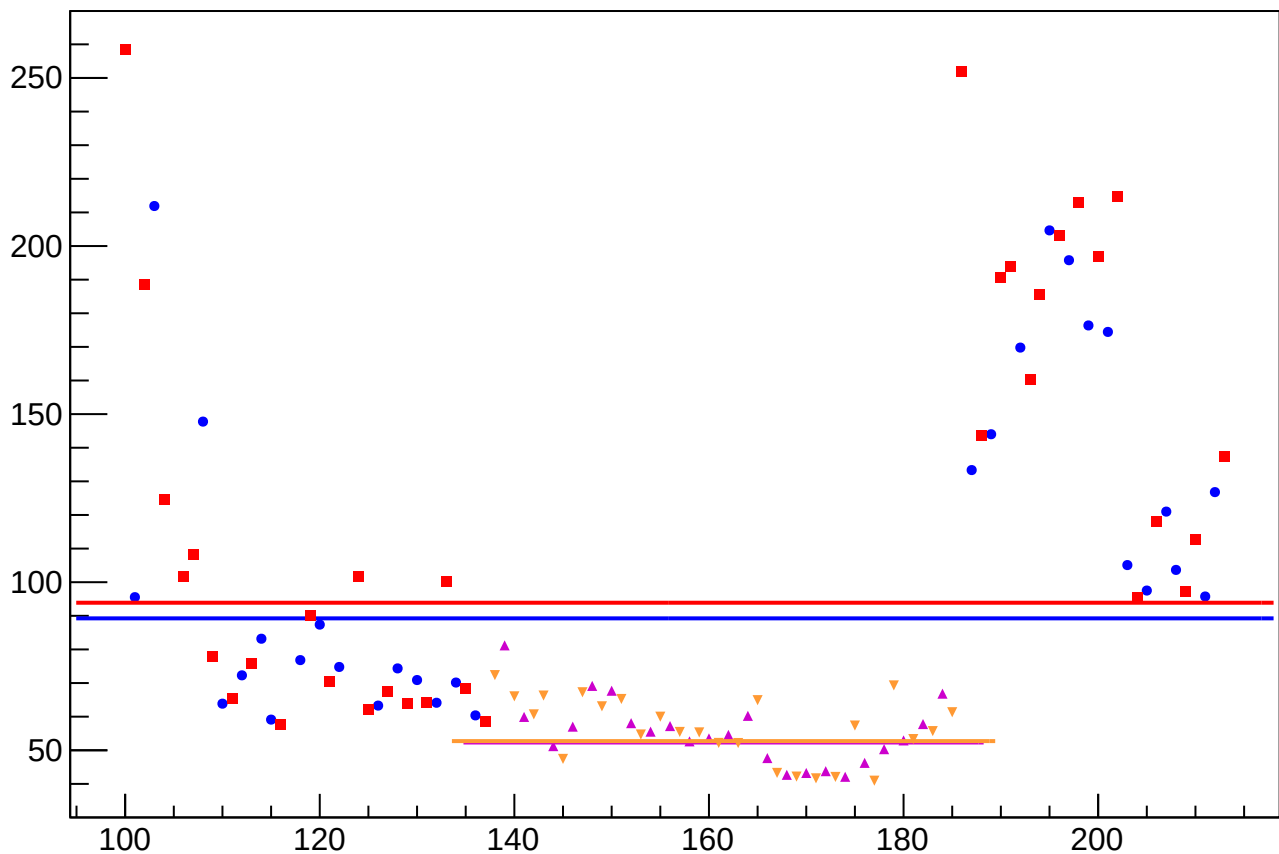
Left In: 19.598 ± 12.546 χ^2/NDF : 36.8/22

+ sign -0.712 ± 10.885 χ^2/NDF : 70.9/53

All: 5.084 ± 7.774 χ^2/NDF : 145.8/110

- sign 11.119 ± 11.107 χ^2/NDF : 74.3/56

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 89.242 $\pm$ 0.017 χ^2 /NDF: 4459203.4/28

Left Out: 52.731 $\pm$ 0.009 χ^2 /NDF: 1167223.2/24

Right Out: 93.893 $\pm$ 0.017 χ^2 /NDF: 5769247.8/33

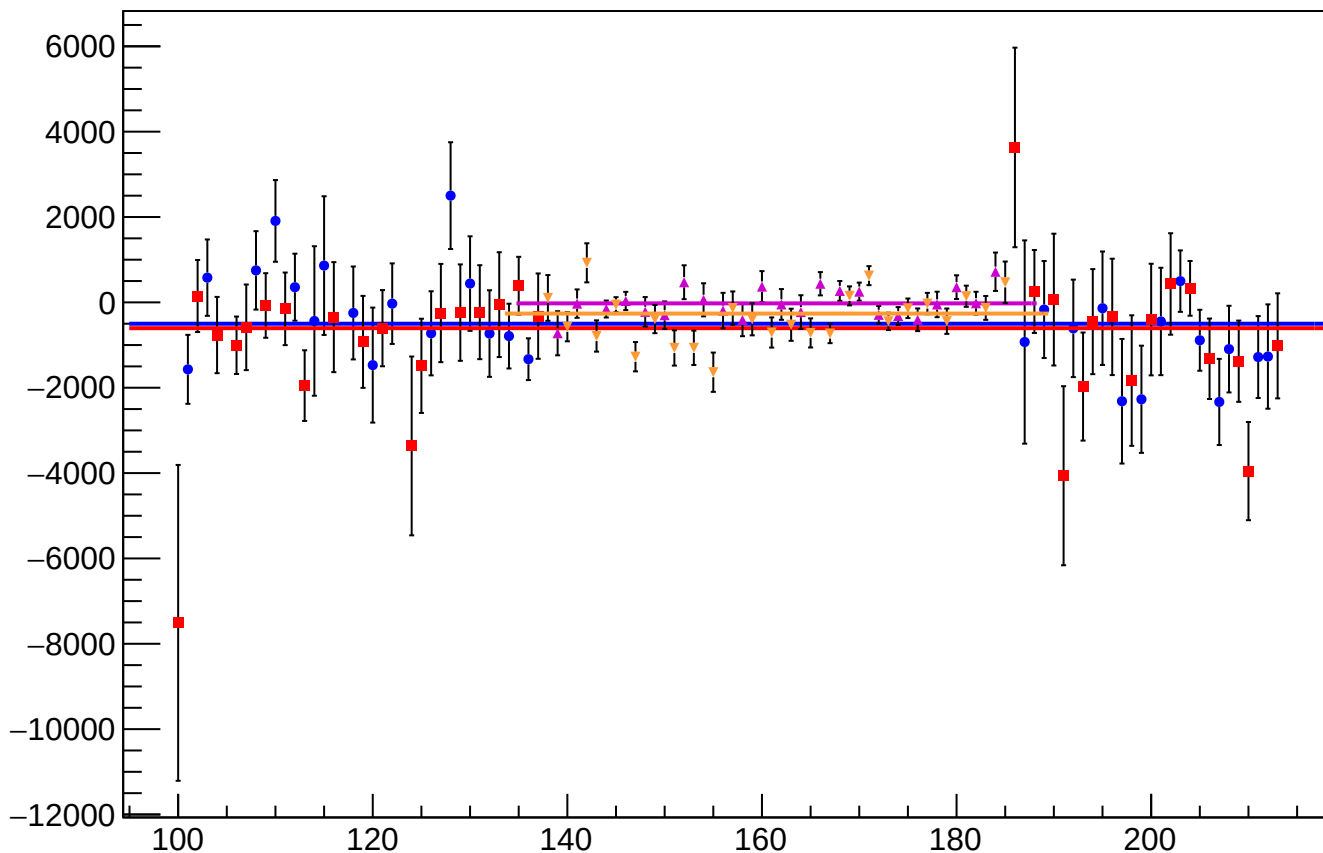
Left In: 52.314 $\pm$ 0.009 χ^2 /NDF: 891856.0/22

+ sign 60.675 $\pm$ 0.008 χ^2 /NDF: 9457018.7/53

All: 60.985 $\pm$ 0.005 χ^2 /NDF: 20872600.7/110

- sign 61.307 $\pm$ 0.008 χ^2 /NDF: 11412286.8/56

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -500.377 ± 179.936 χ^2/NDF : 34.4/28

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -605.064 ± 176.779 χ^2/NDF : 34.9/33

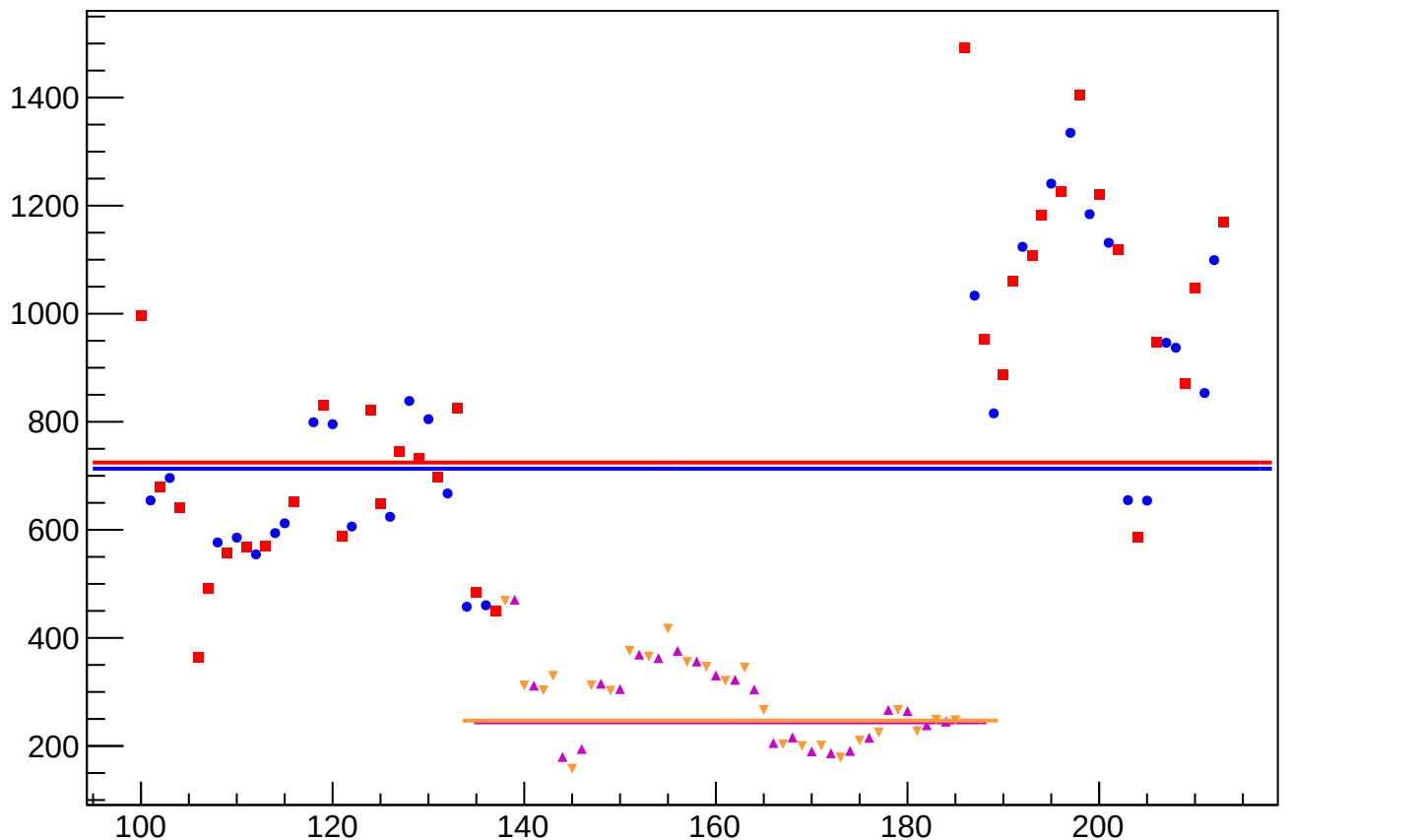
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -285.315 ± 55.634 χ^2/NDF : 108.2/53

All: -185.103 ± 39.574 χ^2/NDF : 183.5/110

- sign -82.466 ± 56.303 χ^2/NDF : 68.8/56

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 713.227 $\pm$ 0.127 χ^2 /NDF: 3013868.4/28

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925680.1/24

Right Out: 724.641 $\pm$ 0.125 χ^2 /NDF: 4163719.5/33

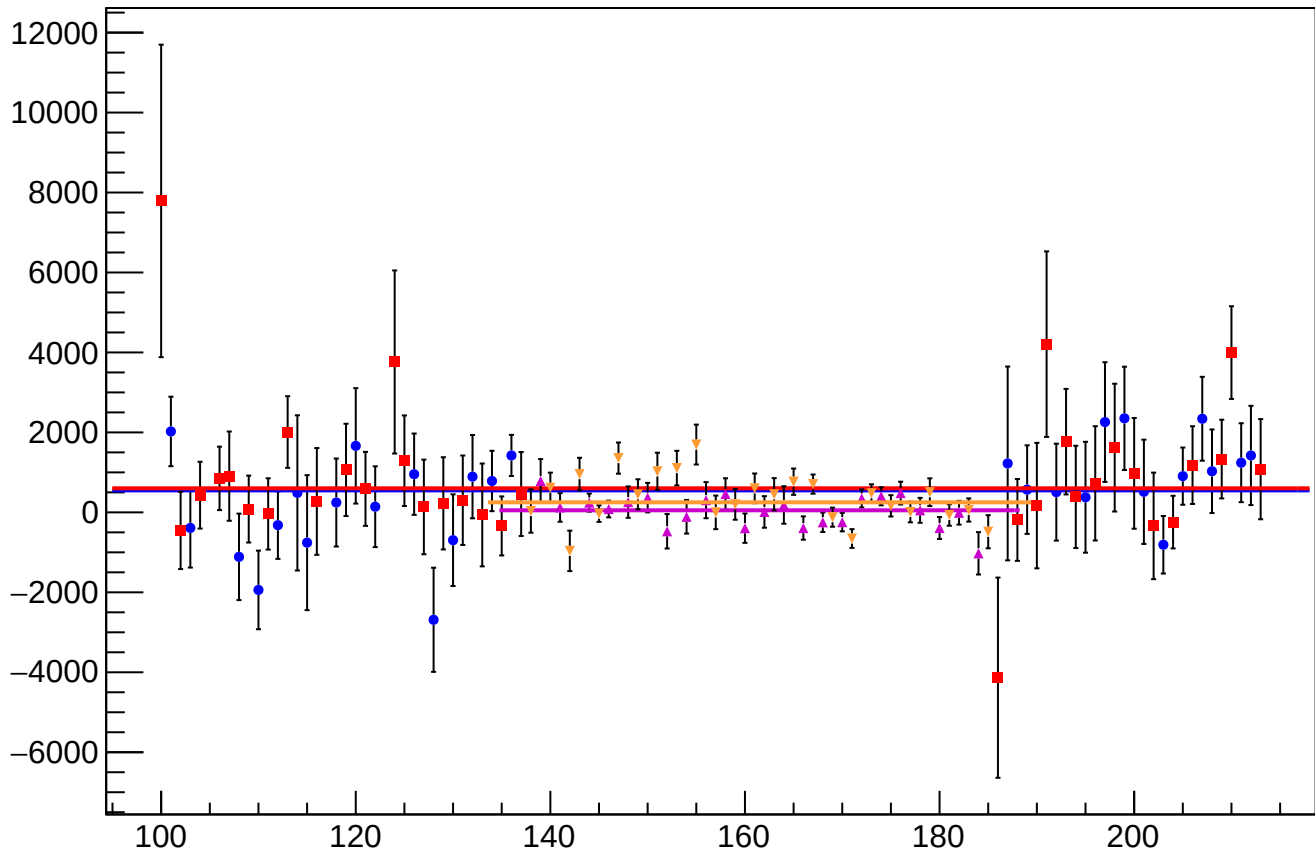
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490539.0/22

+ sign 291.566 $\pm$ 0.039 χ^2 /NDF: 18083417.1/53

All: 292.076 $\pm$ 0.028 χ^2 /NDF: 38032618.4/1

- sign 292.599 $\pm$ 0.040 χ^2 /NDF: 19948860.6/56

asym_sam_37_dd_mean vs Slug



Right In: 549.831 ± 187.245 χ^2/NDF : 36.9/28

Left Out: 251.109 ± 63.424 χ^2/NDF : 67.5/24

Right Out: 602.028 ± 187.029 χ^2/NDF : 32.6/33

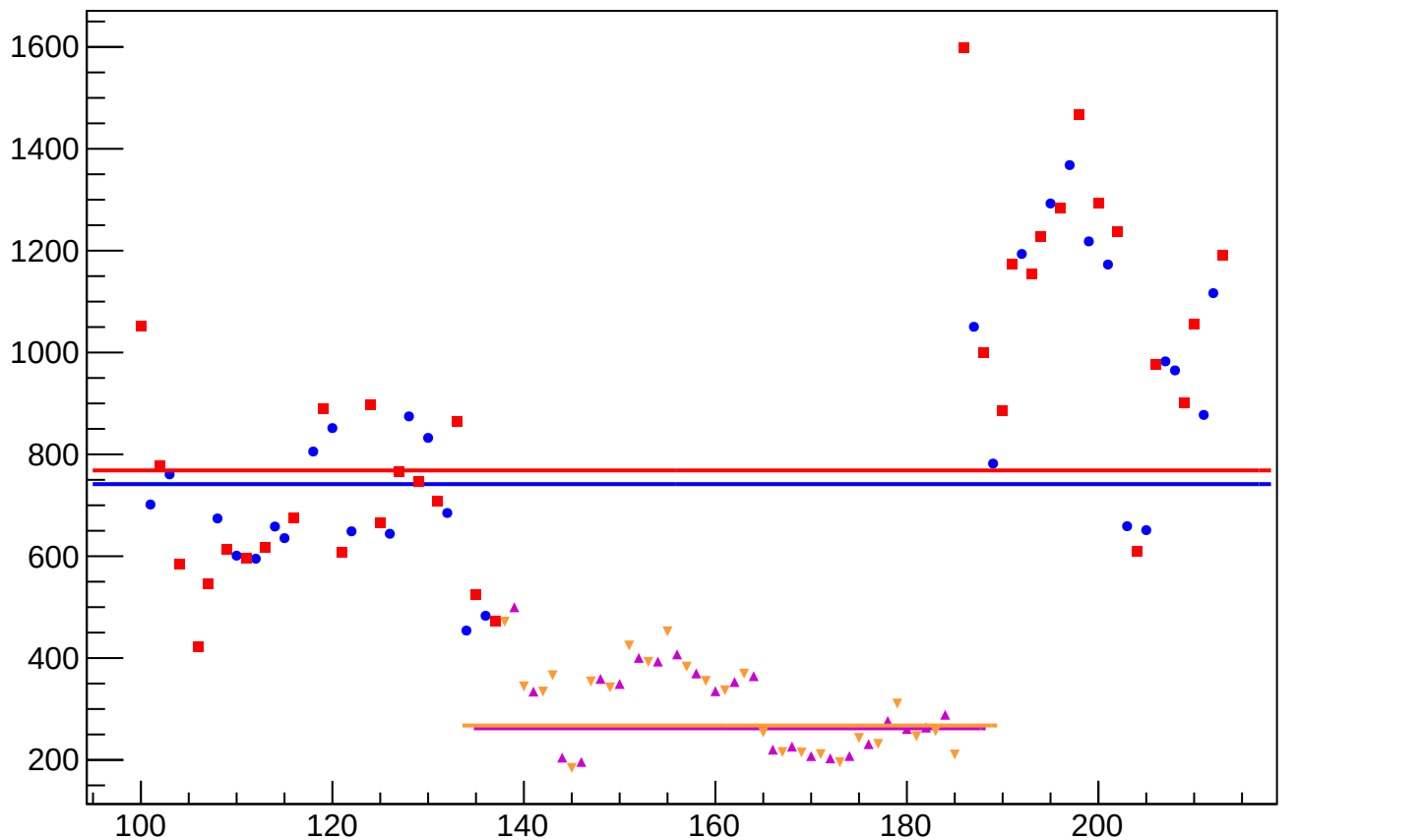
Left In: 51.707 ± 63.843 χ^2/NDF : 26.8/22

+ sign 281.855 ± 60.071 χ^2/NDF : 106.8/53

All: 195.997 ± 42.599 χ^2/NDF : 178.1/110

- sign 109.140 ± 60.420 χ^2/NDF : 67.2/56

asym_sam_37_dd_rms vs Slug



Right In: 741.570 $\pm$ 0.132 χ^2 /NDF: 2960111.4/28

Left Out: 267.589 $\pm$ 0.045 χ^2 /NDF: 2801460.2/24

Right Out: 768.448 $\pm$ 0.132 χ^2 /NDF: 3869841.3/33

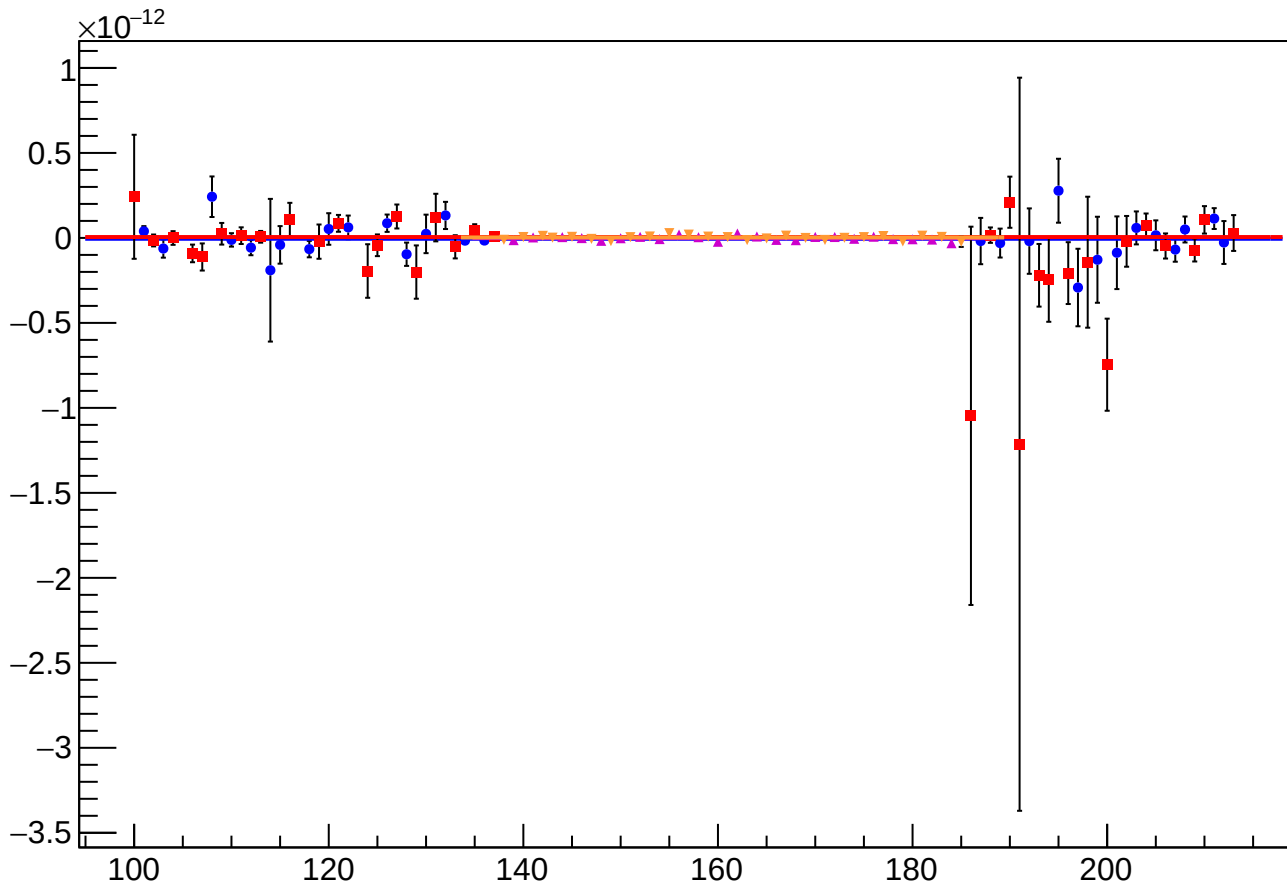
Left In: 262.092 $\pm$ 0.045 χ^2 /NDF: 2537465.8/22

+ sign 316.373 $\pm$ 0.042 χ^2 /NDF: 17257981.1/53

All: 315.659 $\pm$ 0.030 χ^2 /NDF: 36795648.9/11

- sign 314.937 $\pm$ 0.043 χ^2 /NDF: 19537099.9/56

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 30.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 15.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.2/33

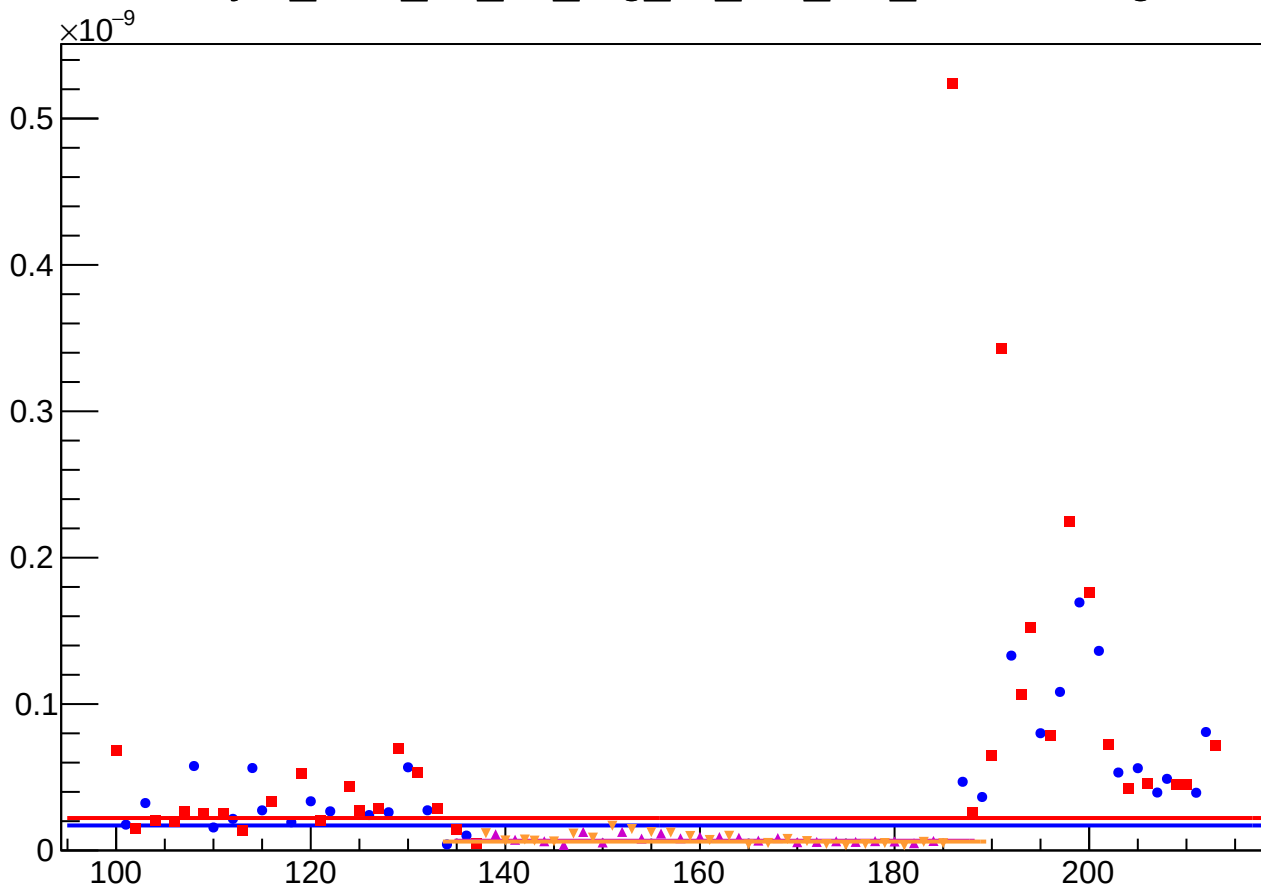
Left In: -0.000 ± 0.000 χ^2/NDF : 12.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 46.8/53

All: 0.000 ± 0.000 χ^2/NDF : 99.3/110

- sign -0.000 ± 0.000 χ^2/NDF : 51.8/56

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 7250415.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2413933.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6427077.5/33

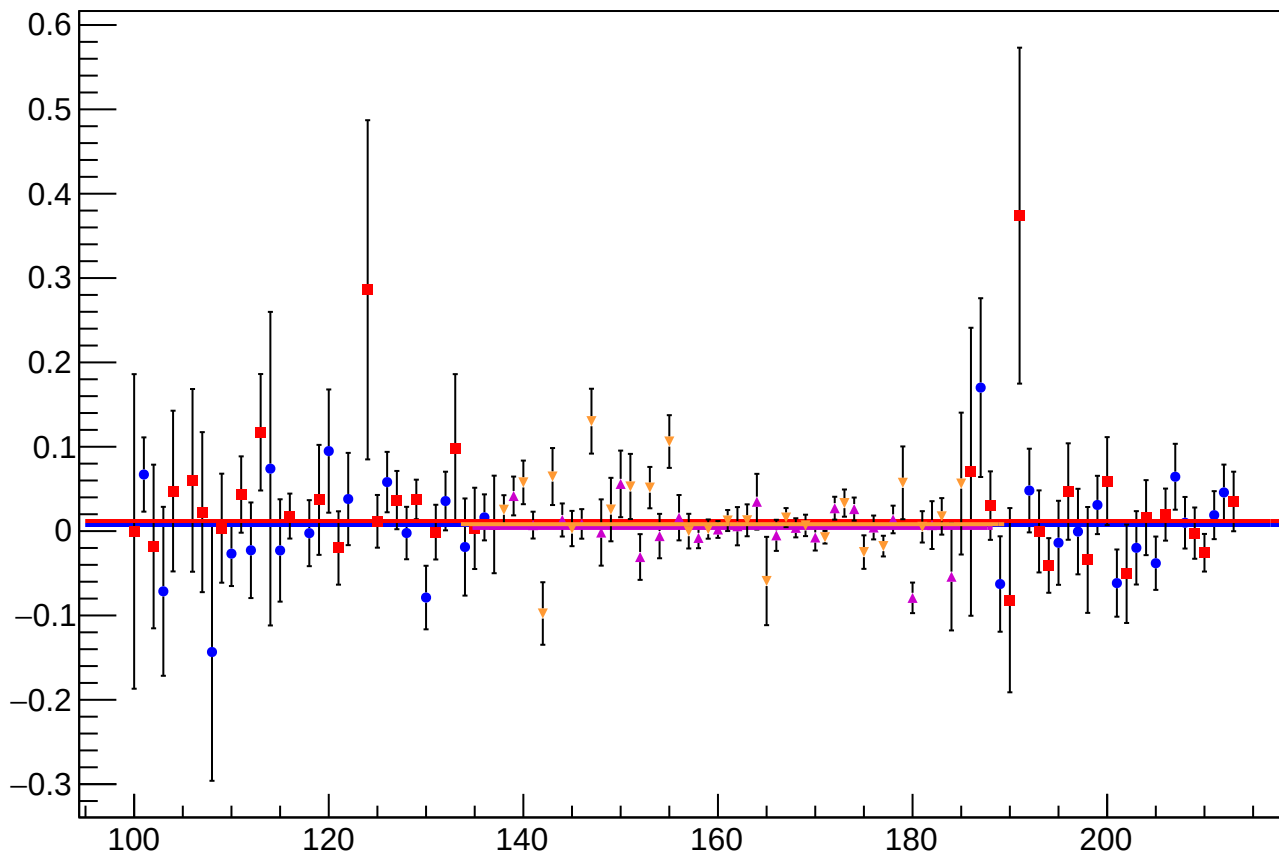
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1176996.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12502815.2/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 24278351.1/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 11691155.8/56

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 $\chi^2/\text{NDF}: 29.4/28$

Left Out: 0.008 ± 0.003 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 0.012 ± 0.007 $\chi^2/\text{NDF}: 22.3/33$

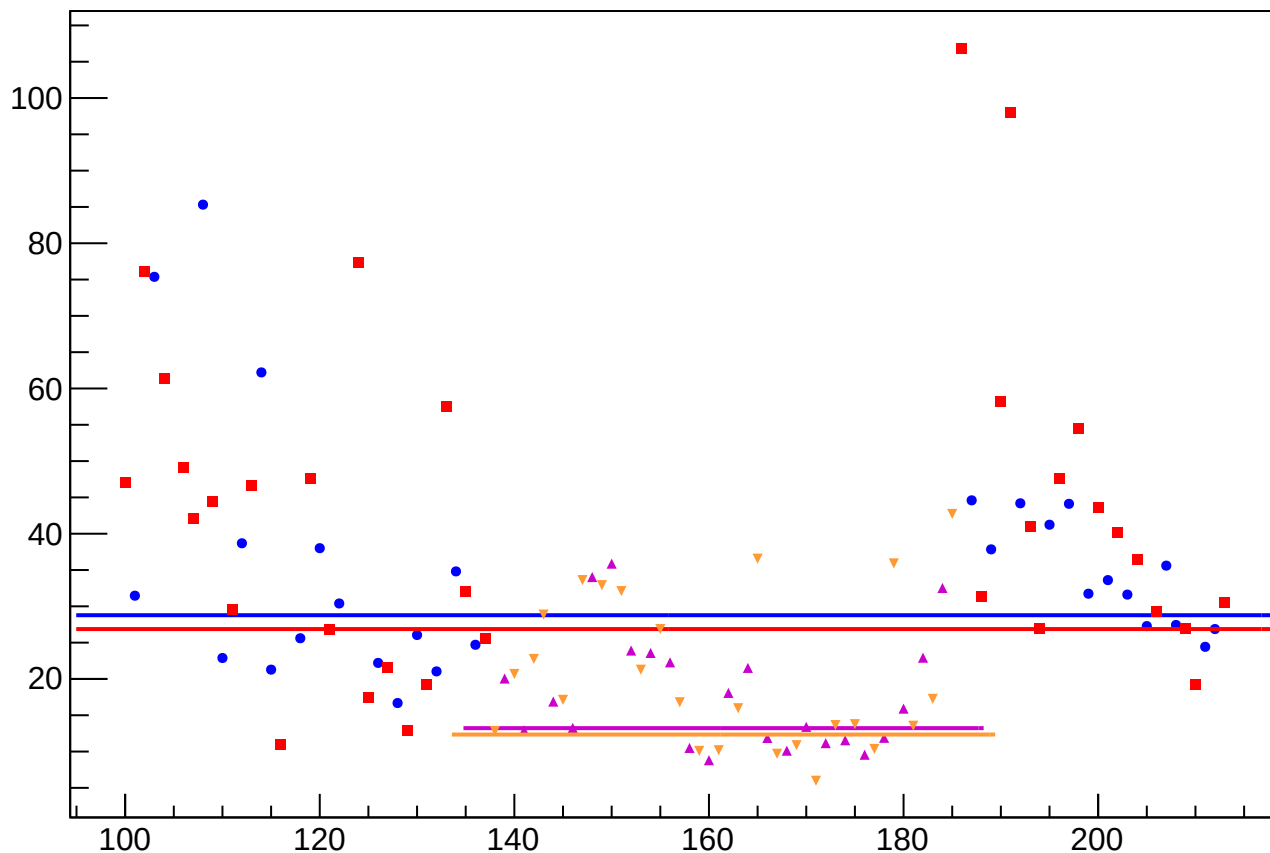
Left In: 0.004 ± 0.004 $\chi^2/\text{NDF}: 37.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 88.2/53$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 149.0/110$

- sign 0.005 ± 0.003 $\chi^2/\text{NDF}: 60.5/56$

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.776 $\pm$ 0.005 χ^2/NDF : 2284308.1/28

Left Out: 12.343 $\pm$ 0.002 χ^2/NDF : 6743594.0/24

Right Out: 26.868 $\pm$ 0.005 χ^2/NDF : 5987419.4/33

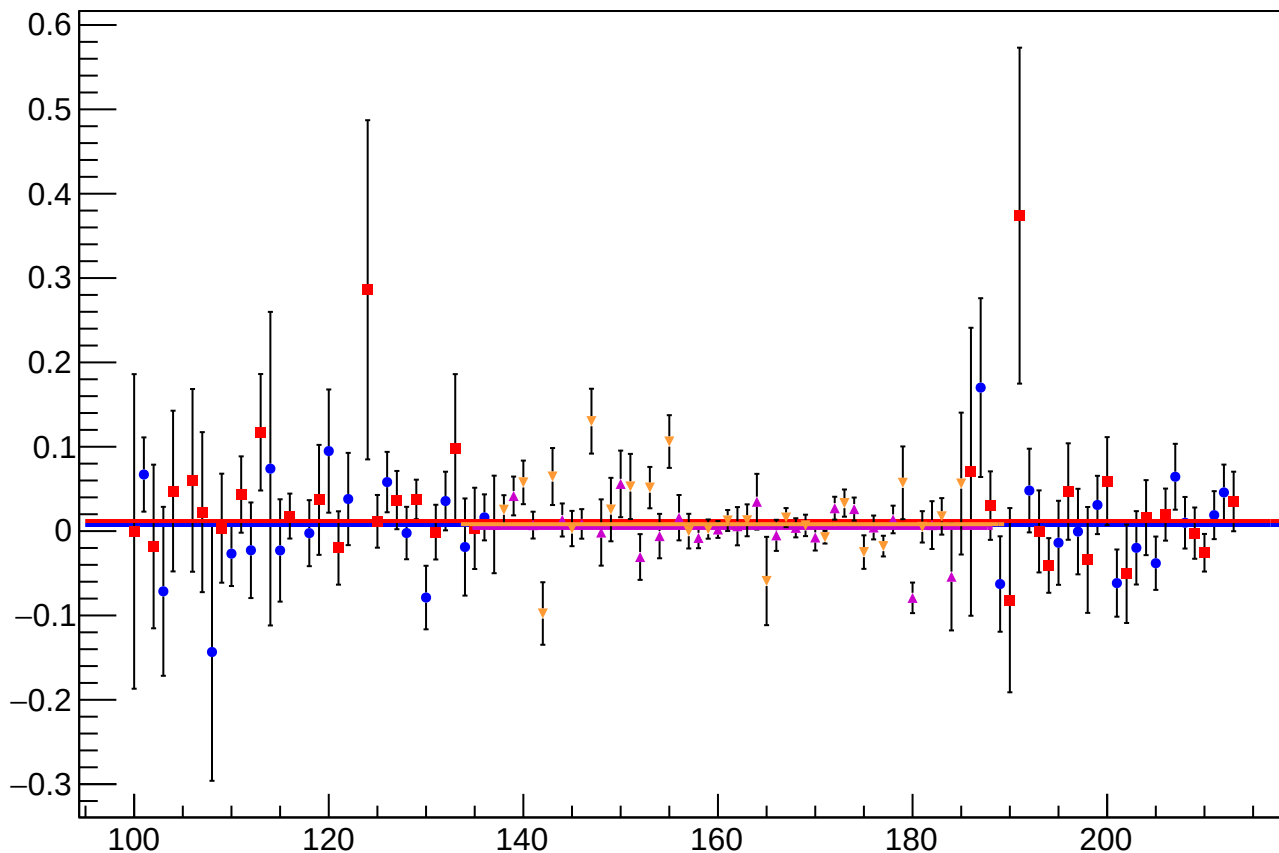
Left In: 13.225 $\pm$ 0.003 χ^2/NDF : 3870352.4/22

+ sign 15.058 $\pm$ 0.002 χ^2/NDF : 16507490.7/53

All: 15.430 $\pm$ 0.002 χ^2/NDF : 31804673.7/110

- sign 15.829 $\pm$ 0.002 χ^2/NDF : 15239568.6/56

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 $\chi^2/\text{NDF}: 29.4/28$

Left Out: 0.008 ± 0.003 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 0.012 ± 0.007 $\chi^2/\text{NDF}: 22.3/33$

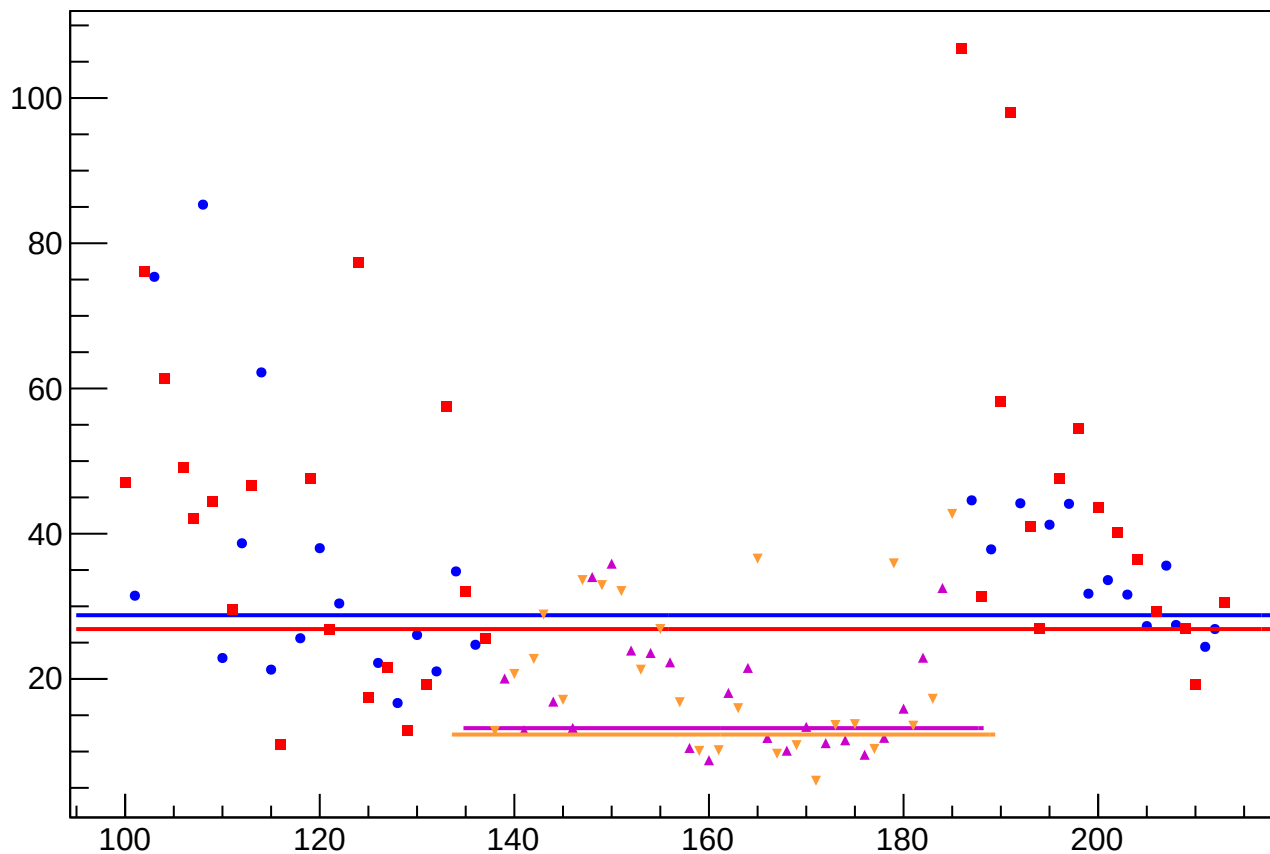
Left In: 0.004 ± 0.004 $\chi^2/\text{NDF}: 37.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 88.2/53$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 149.0/110$

- sign 0.005 ± 0.003 $\chi^2/\text{NDF}: 60.5/56$

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.776 $\pm$ 0.005 χ^2 /NDF: 2284308.1/28

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 26.868 $\pm$ 0.005 χ^2 /NDF: 5987419.4/33

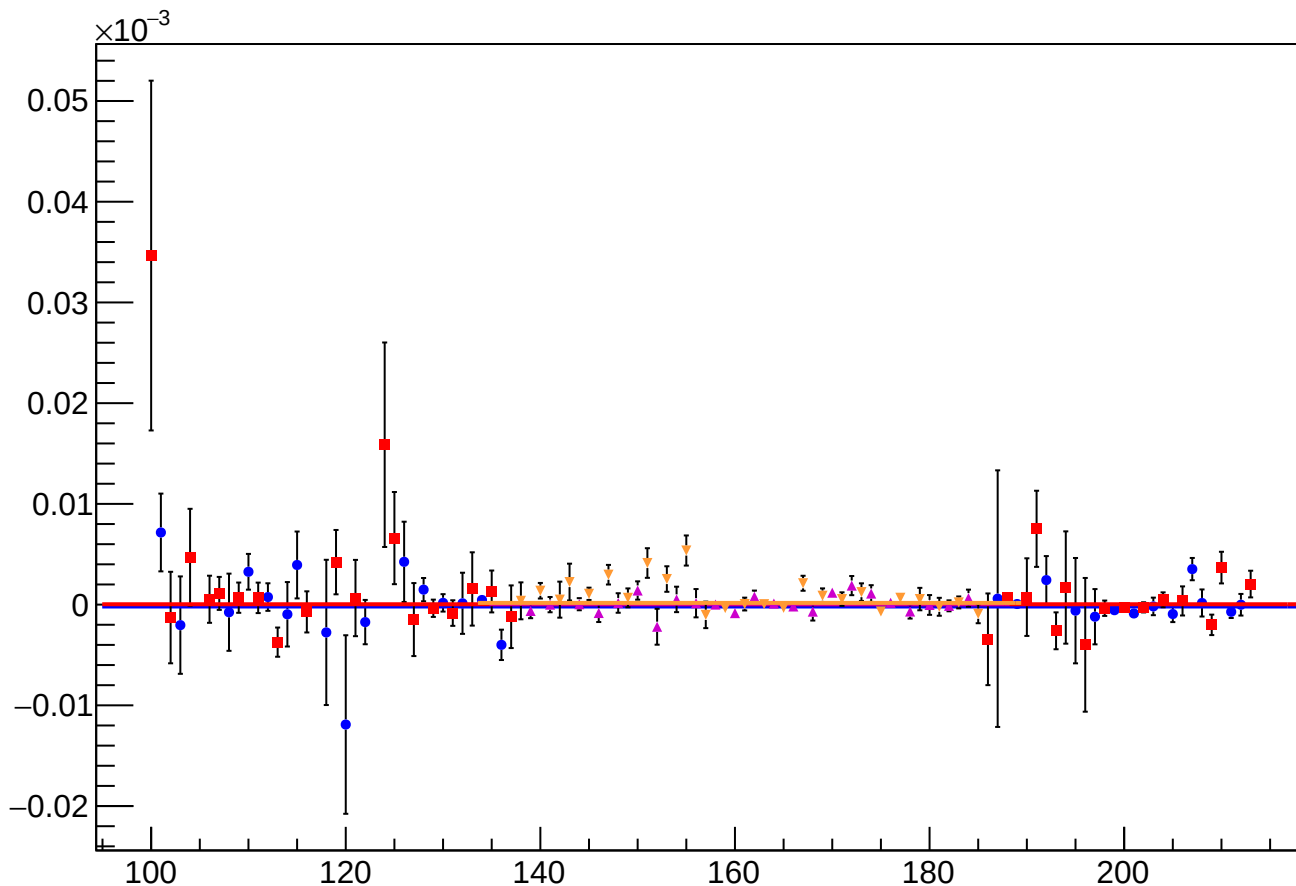
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 15.058 $\pm$ 0.002 χ^2 /NDF: 16507490.7/53

All: 15.430 $\pm$ 0.002 χ^2 /NDF: 31804673.7/110

- sign 15.829 $\pm$ 0.002 χ^2 /NDF: 15239568.6/56

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 42.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 43.0/33

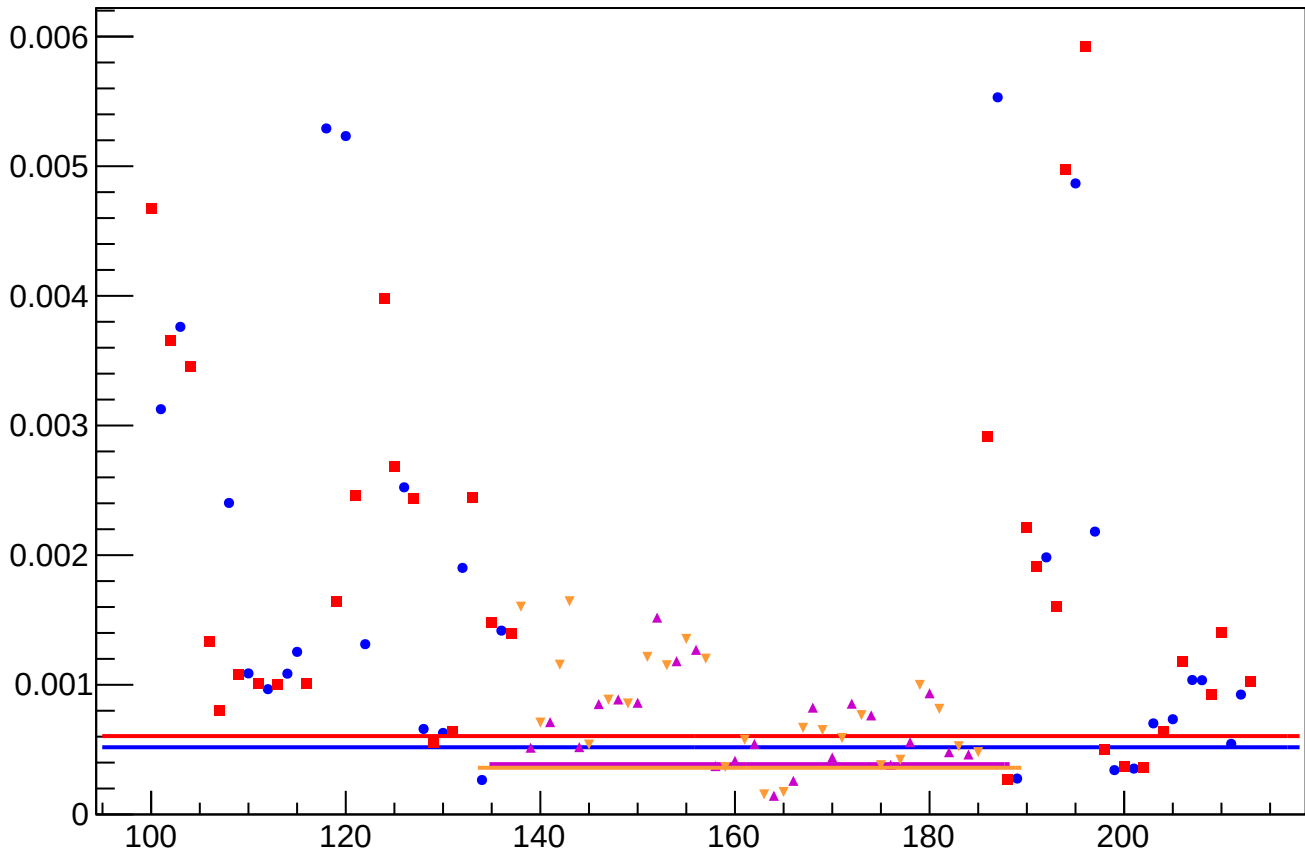
Left In: 0.000+/-0.000 χ^2/NDF : 24.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 107.2/53

All: 0.000+/-0.000 χ^2/NDF : 174.8/110

- sign 0.000+/-0.000 χ^2/NDF : 67.6/56

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 12636358.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 13031464.8/33

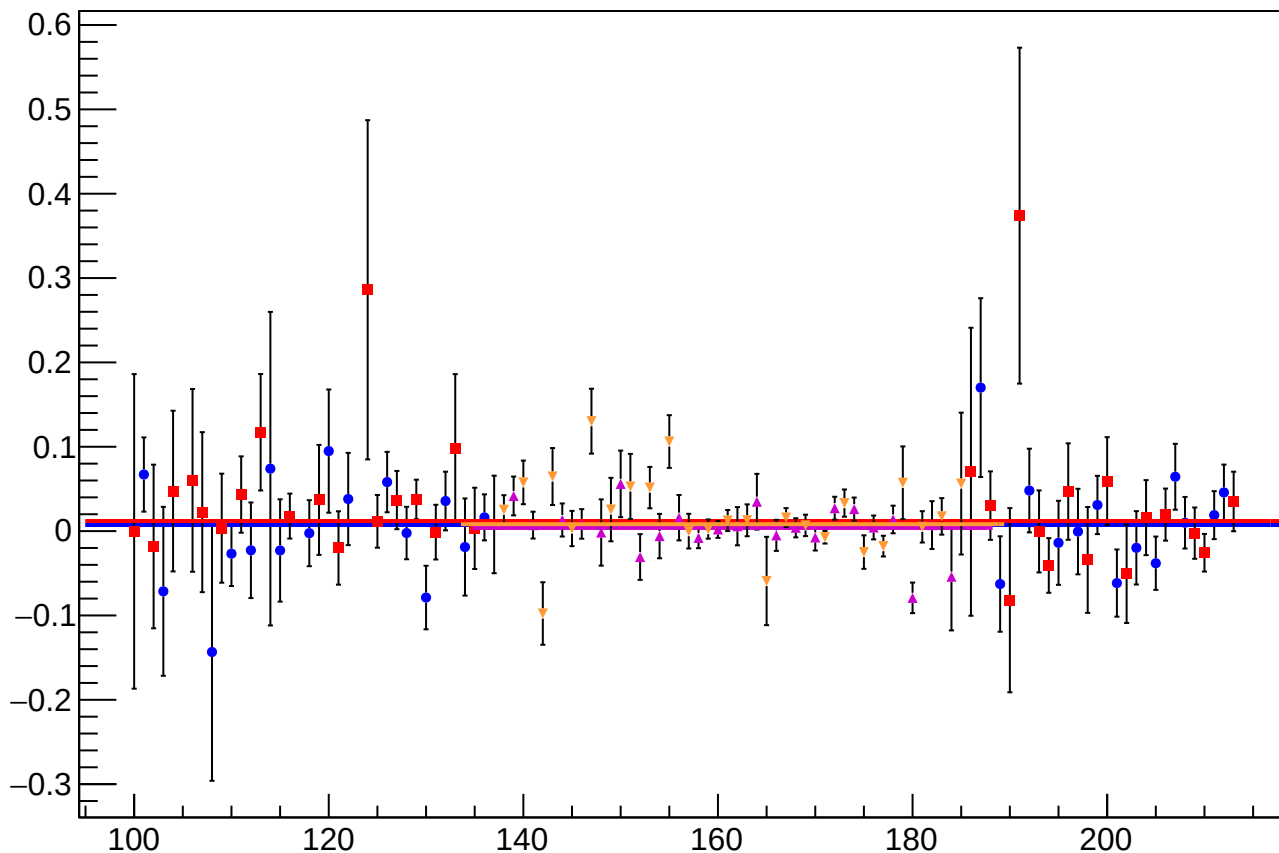
Left In: 0.000+/-0.000 χ^2/NDF : 10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 27928024.2/53

All: 0.000+/-0.000 χ^2/NDF : 53436439.8/110

- sign 0.000+/-0.000 χ^2/NDF : 25344901.1/56

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 $\chi^2/\text{NDF}: 29.4/28$

Left Out: 0.008 ± 0.003 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 0.012 ± 0.007 $\chi^2/\text{NDF}: 22.3/33$

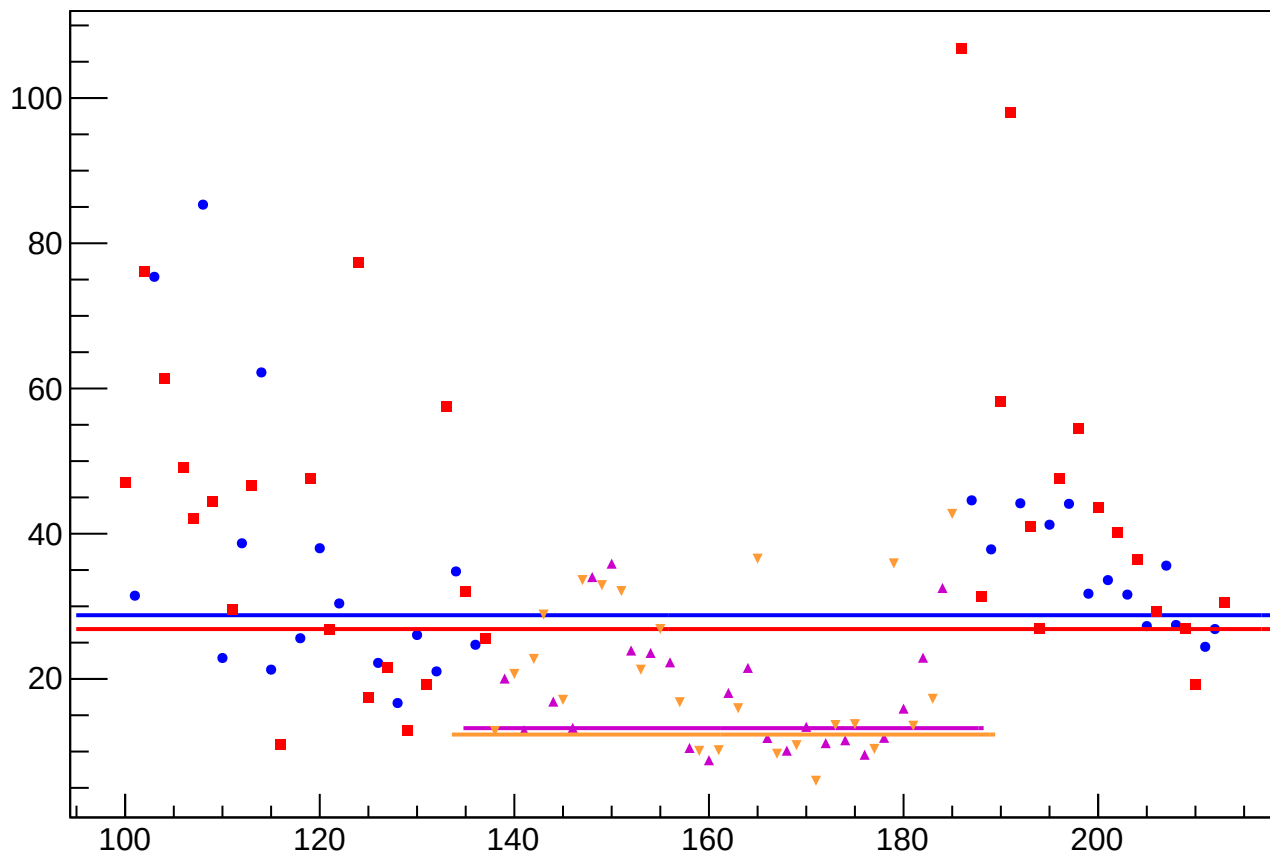
Left In: 0.004 ± 0.004 $\chi^2/\text{NDF}: 37.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 88.2/53$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 149.0/110$

- sign 0.005 ± 0.003 $\chi^2/\text{NDF}: 60.5/56$

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.776 $\pm$ 0.005 χ^2/NDF : 2284233.8/28

Left Out: 12.343 $\pm$ 0.002 χ^2/NDF : 6743823.4/24

Right Out: 26.868 $\pm$ 0.005 χ^2/NDF : 5987127.3/33

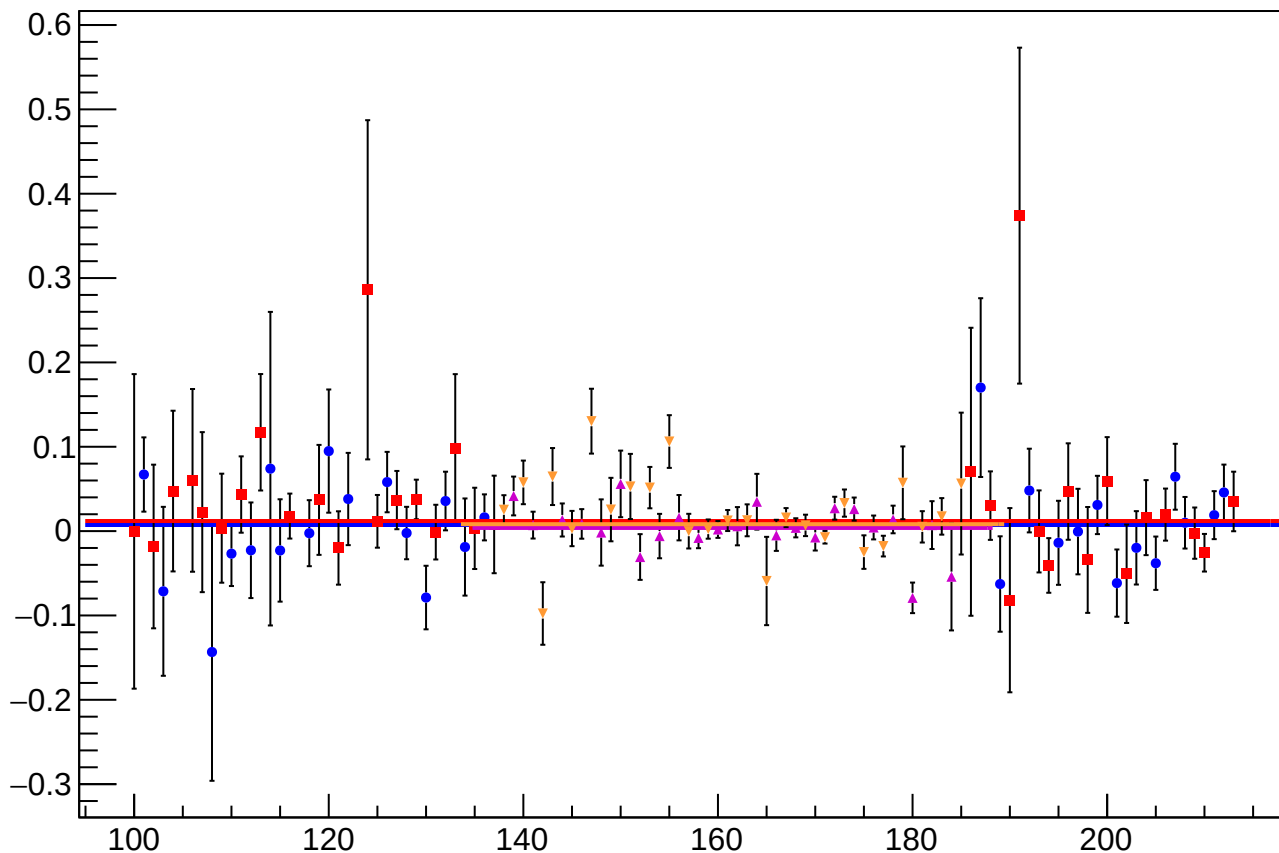
Left In: 13.225 $\pm$ 0.003 χ^2/NDF : 3870507.9/22

+ sign 15.058 $\pm$ 0.002 χ^2/NDF : 16507741.5/53

All: 15.430 $\pm$ 0.002 χ^2/NDF : 31805018.0/110

- sign 15.829 $\pm$ 0.002 χ^2/NDF : 15239665.8/56

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 $\chi^2/\text{NDF}: 29.4/28$

Left Out: 0.008 ± 0.003 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 0.012 ± 0.007 $\chi^2/\text{NDF}: 22.3/33$

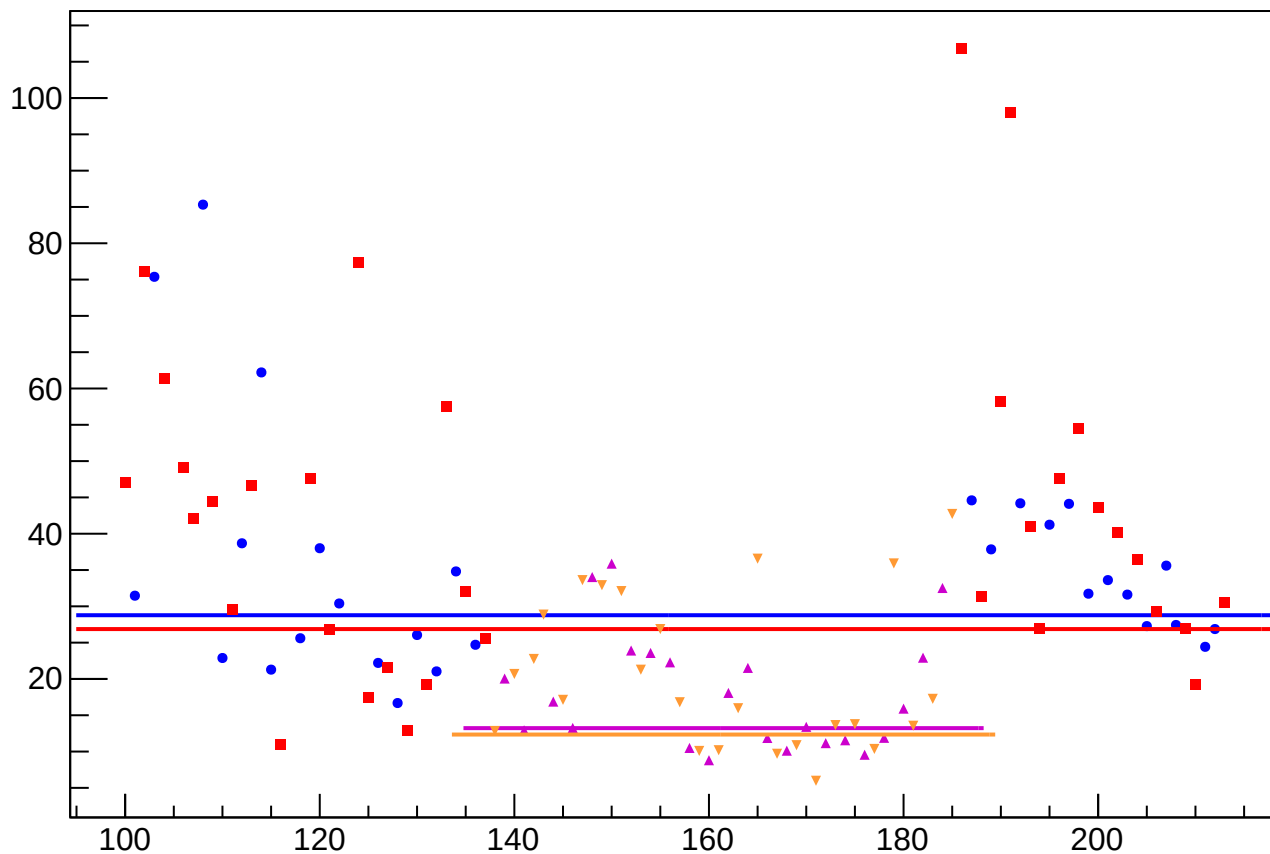
Left In: 0.004 ± 0.004 $\chi^2/\text{NDF}: 37.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 88.2/53$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 149.0/110$

- sign 0.005 ± 0.003 $\chi^2/\text{NDF}: 60.5/56$

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.776 ± 0.005 χ^2/NDF : 2284233.8/28

Left Out: 12.343 ± 0.002 χ^2/NDF : 6743823.4/24

Right Out: 26.868 ± 0.005 χ^2/NDF : 5987127.3/33

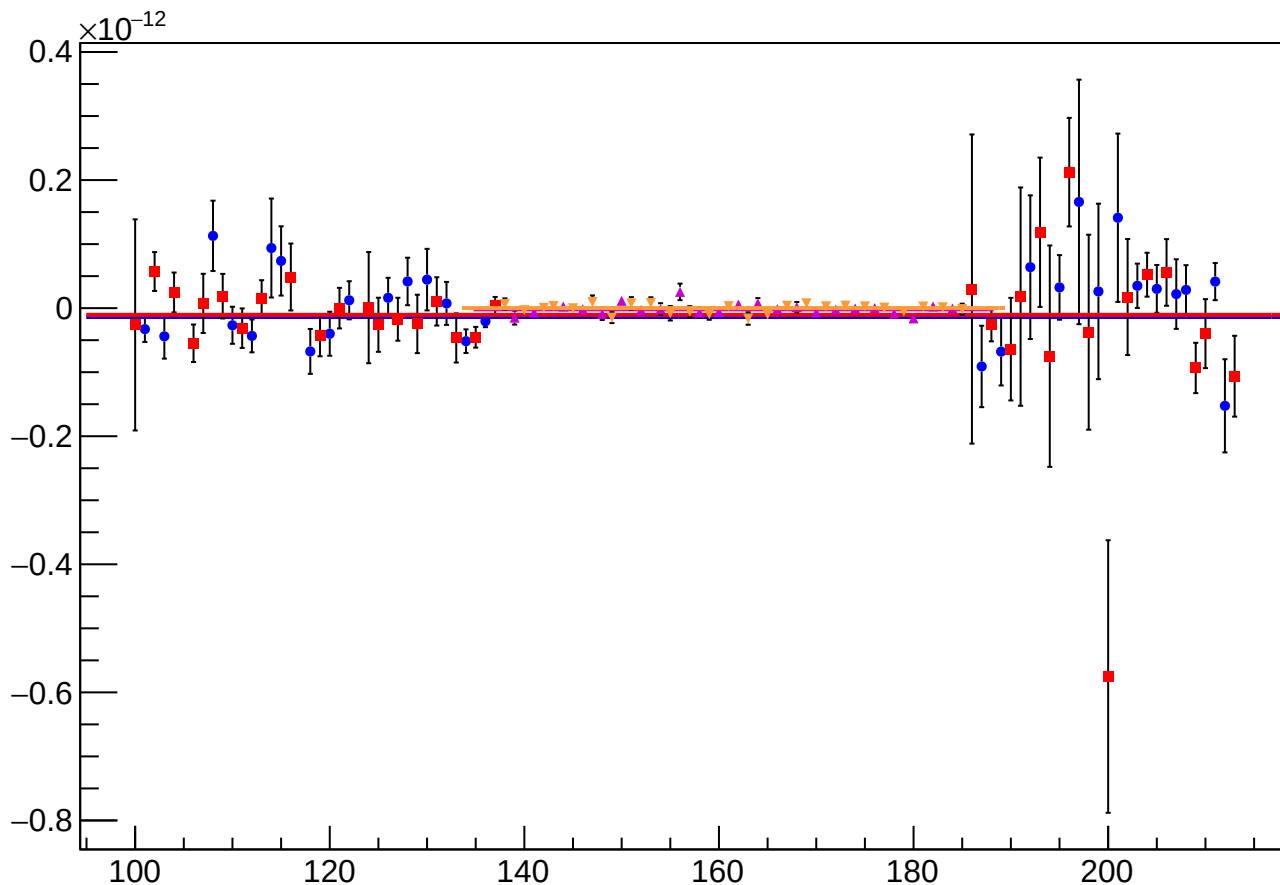
Left In: 13.225 ± 0.003 χ^2/NDF : 3870507.9/22

+ sign 15.058 ± 0.002 χ^2/NDF : 16507741.5/53

All: 15.430 ± 0.002 χ^2/NDF : 31805018.0/110

- sign 15.829 ± 0.002 χ^2/NDF : 15239665.8/56

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 45.0/28$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 21.5/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 48.7/33$

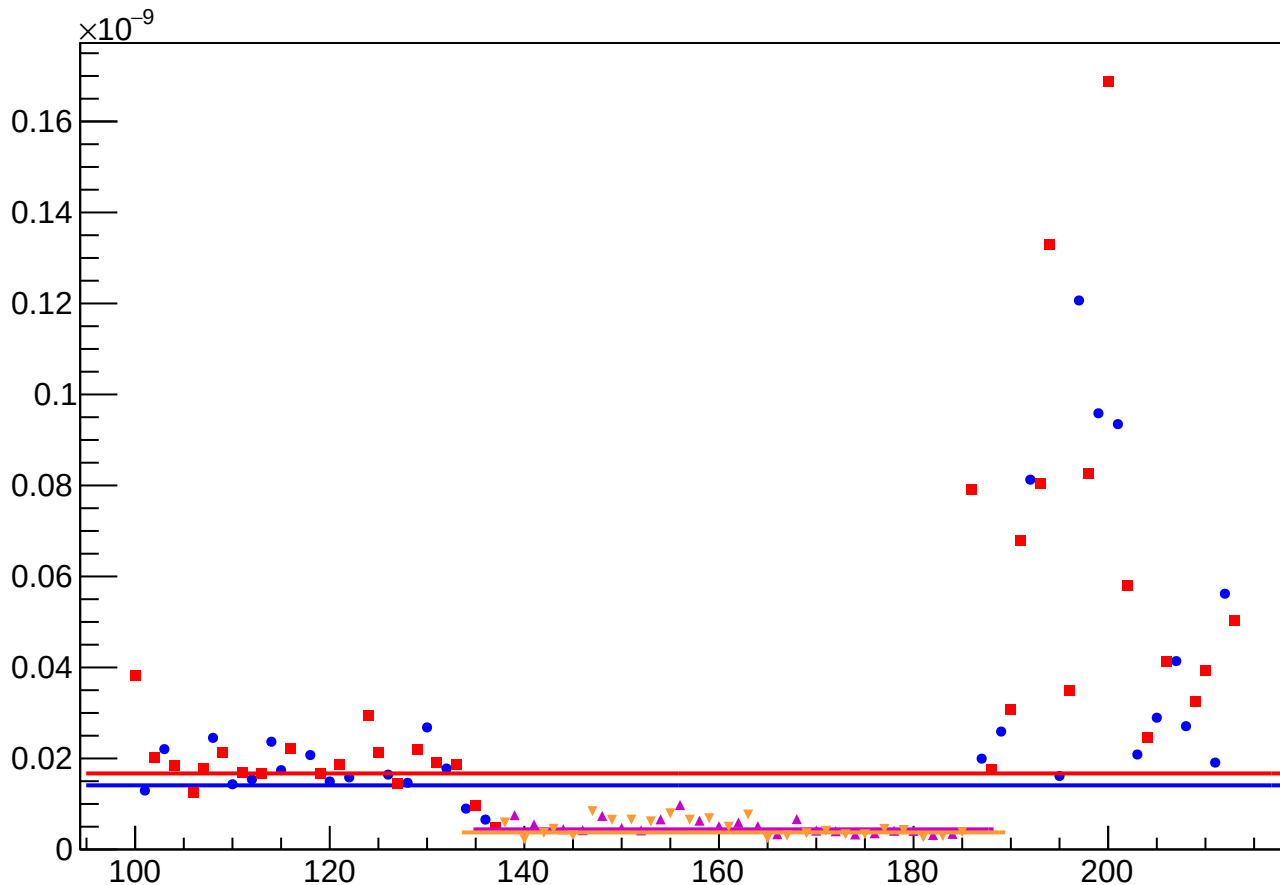
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 25.4/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 72.6/53$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 149.6/110$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 75.9/56$

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6735488.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7714598.4/33

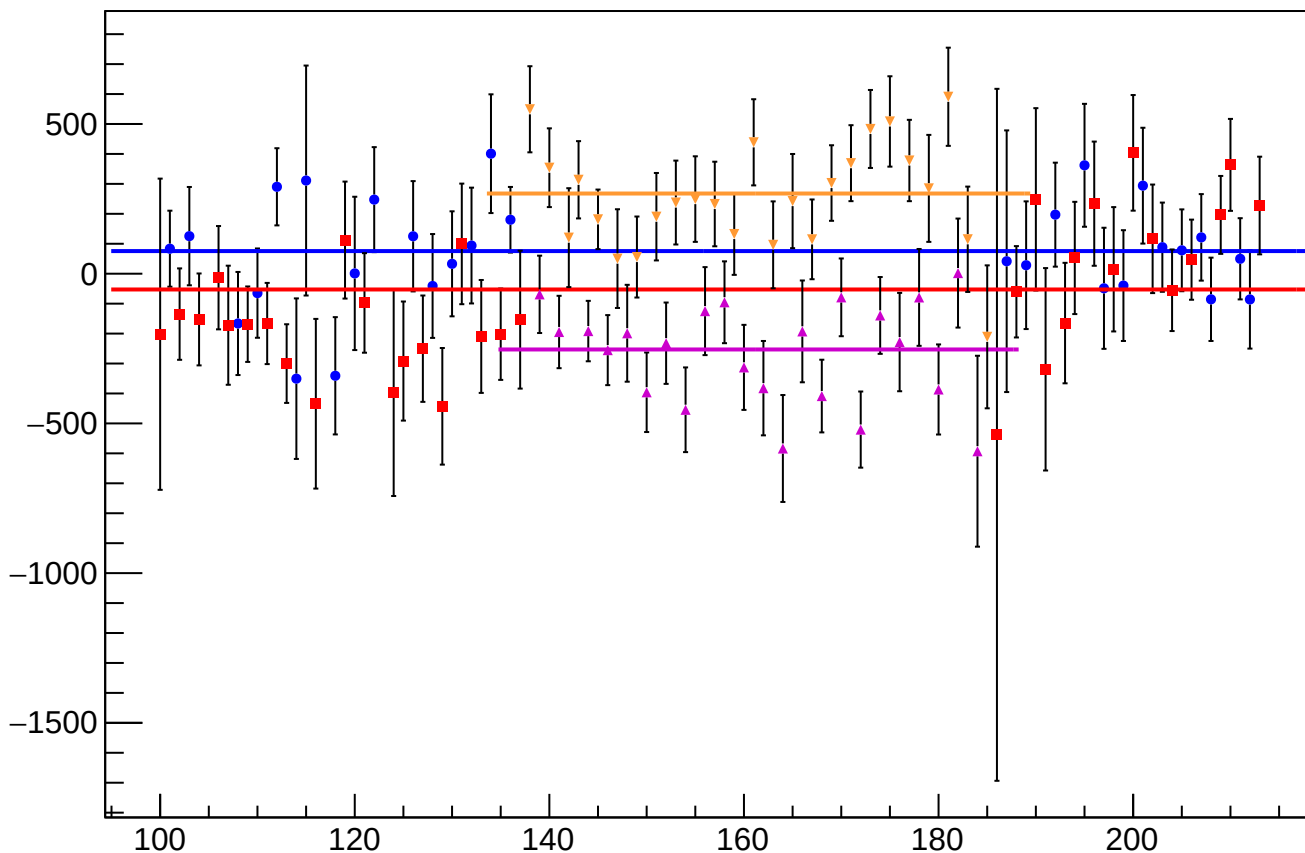
Left In: 0.000+/-0.000 χ^2/NDF : 1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 16513507.8/53

All: 0.000+/-0.000 χ^2/NDF : 33996140.3/110

- sign 0.000+/-0.000 χ^2/NDF : 17076601.0/56

reg_asym_sam_48_dd_mean vs Slug



Right In: 75.553 $\pm$ 31.350 χ^2 /NDF: 25.4/28

Left Out: 267.782 $\pm$ 28.407 χ^2 /NDF:31.0/24

Right Out: -52.692 $\pm$ 30.522 χ^2 /NDF: 44.4/33

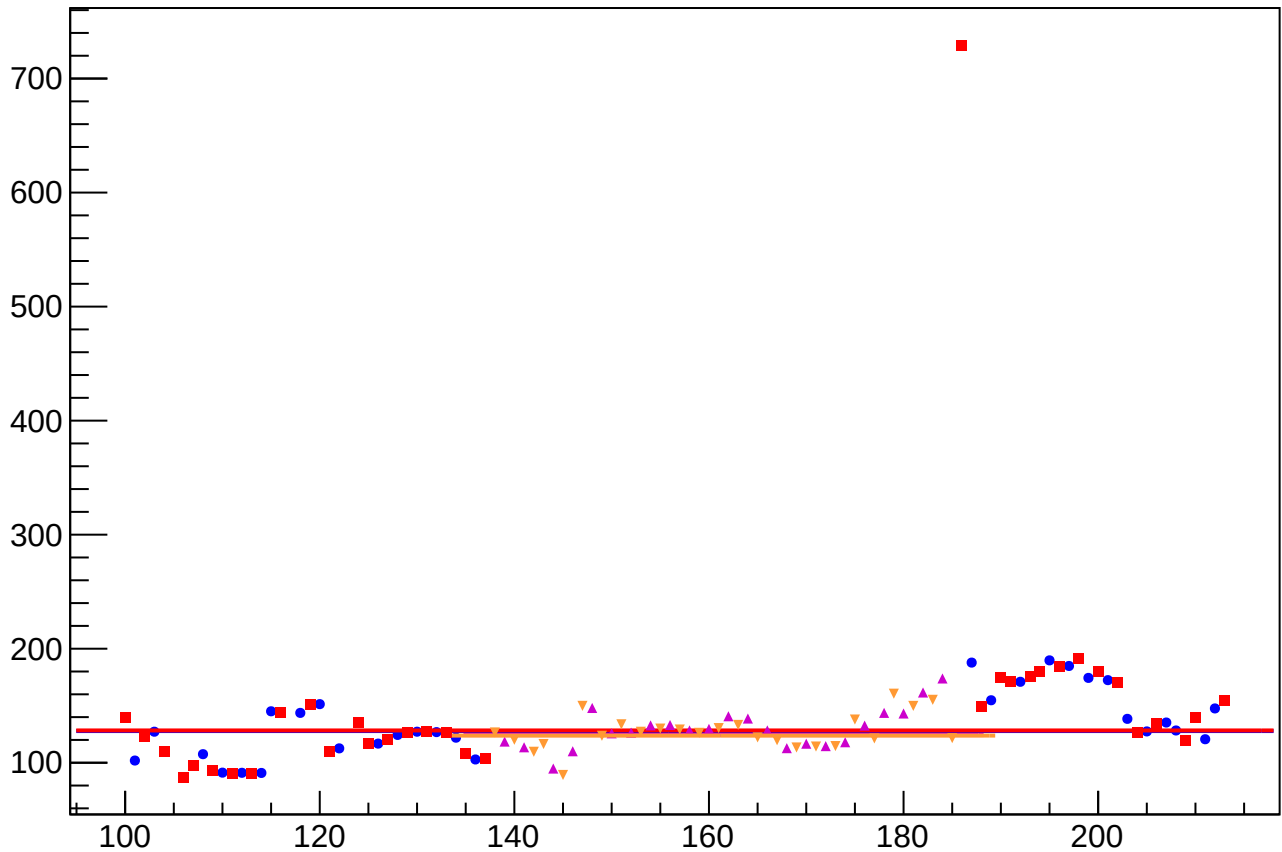
Left In: -253.048 $\pm$ 29.313 χ^2 /NDF:26.2/22

+ sign 181.110 $\pm$ 21.051 χ^2 /NDF: 77.0/53

All: 12.828 $\pm$ 14.917 χ^2 /NDF: 298.4/110

- sign -156.917 $\pm$ 21.142 χ^2 /NDF: 93.0/56

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.776+/-0.022 χ^2/NDF : 1411266.4/28

Left Out: 123.807+/-0.020 χ^2/NDF : 598444.2/24

Right Out: 128.316+/-0.022 χ^2/NDF : 2385826.7/33

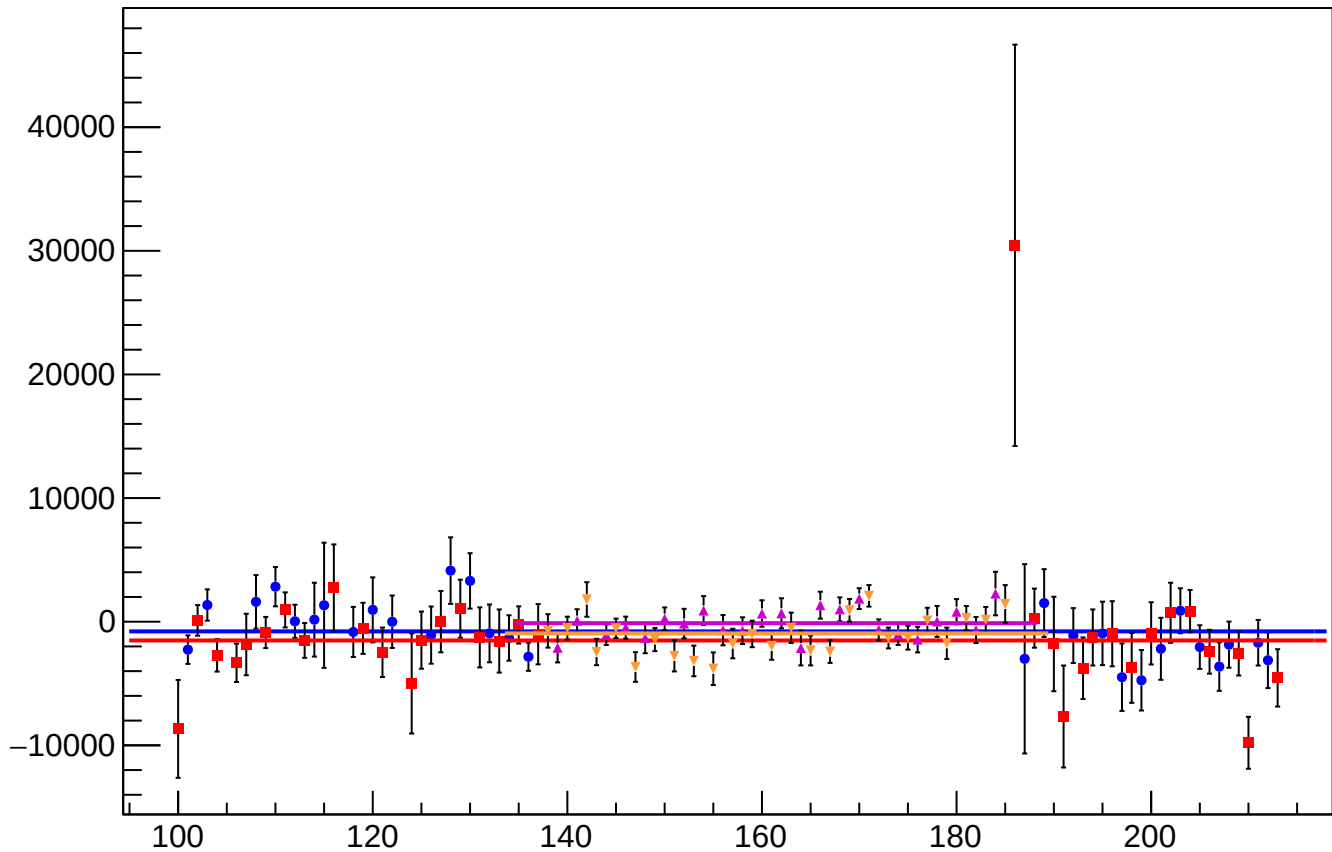
Left In: 124.259+/-0.021 χ^2/NDF : 557214.9/22

+ sign 125.597+/-0.015 χ^2/NDF : 2027307.5/53

All: 125.900+/-0.011 χ^2/NDF : 4989570.1/110

- sign 126.206+/-0.015 χ^2/NDF : 2961428.9/56

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -783.379 ± 360.408 χ^2/NDF : 32.8/28

Left Out: -947.720 ± 211.794 χ^2/NDF : 50.3/24

Right Out: -1517.145 ± 348.491 χ^2/NDF : 44.3/33

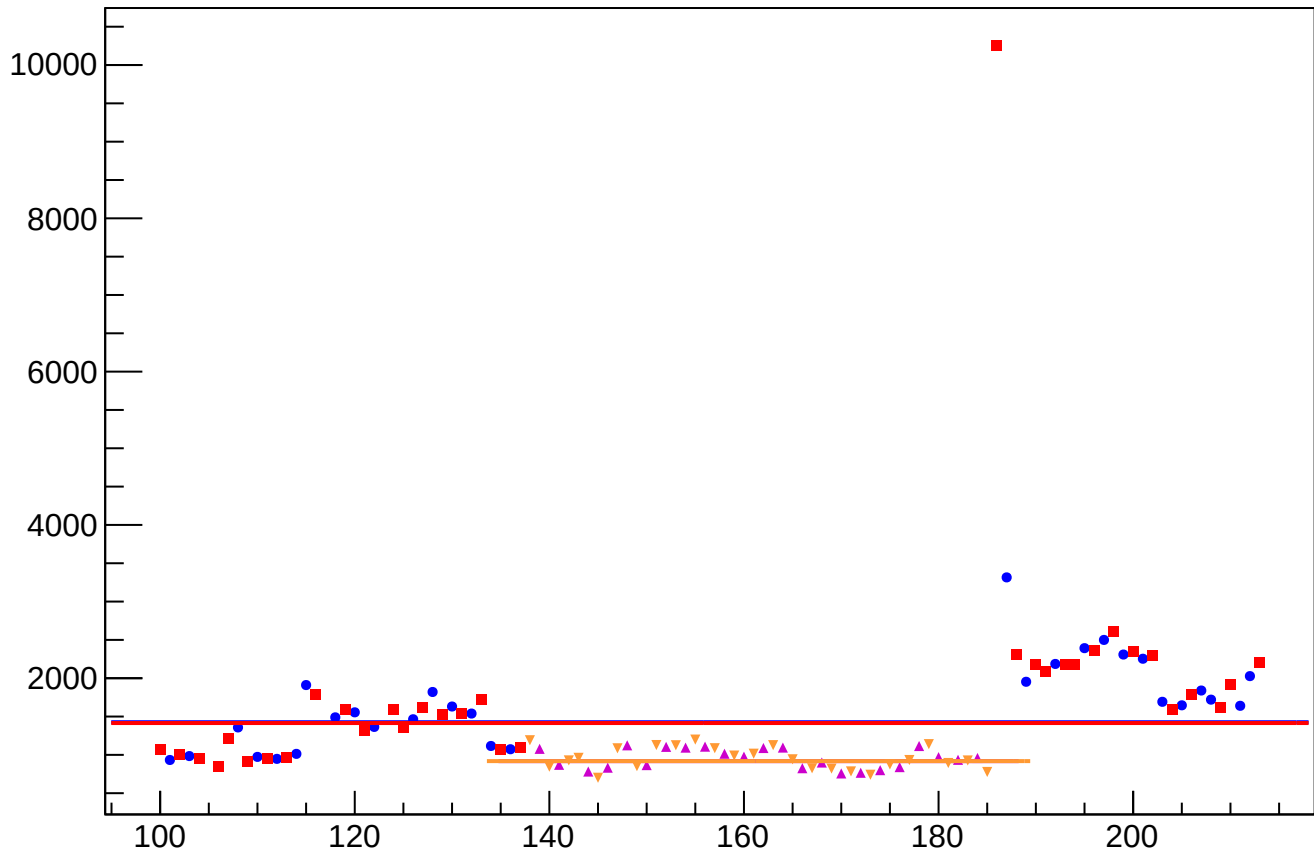
Left In: -118.433 ± 217.165 χ^2/NDF : 24.4/22

+ sign -905.536 ± 182.599 χ^2/NDF : 83.2/53

All: -709.445 ± 129.717 χ^2/NDF : 165.8/110

- sign -509.665 ± 184.308 χ^2/NDF : 80.3/56

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1425.904 $\pm$ 0.255 χ^2 /NDF: 3287960.6/28

Left Out: 918.501 $\pm$ 0.150 χ^2 /NDF: 887820.0/24

Right Out: 1415.224 $\pm$ 0.246 χ^2 /NDF: 4800949.8/33

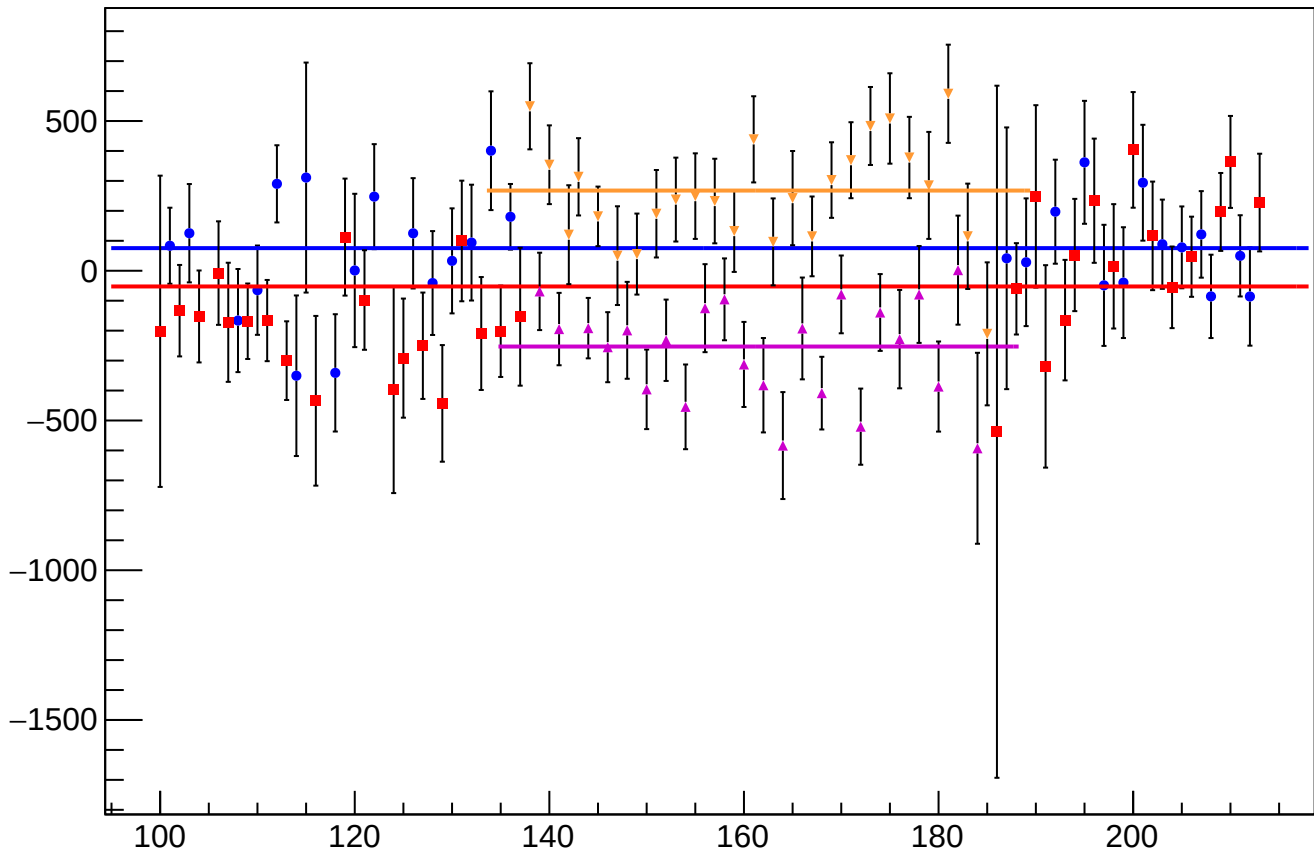
Left In: 918.214 $\pm$ 0.154 χ^2 /NDF: 666262.3/22

+ sign 1048.746 $\pm$ 0.129 χ^2 /NDF: 7122357.4/53

All: 1052.950 $\pm$ 0.092 χ^2 /NDF: 15521834.6/100

- sign 1057.232 $\pm$ 0.130 χ^2 /NDF: 8397337.4/56

cor_asym_sam_48_dd_mean vs Slug



Right In: 75.547 ± 31.350 $\chi^2/\text{NDF}: 25.4/28$

Left Out: 267.791 ± 28.407 $\chi^2/\text{NDF}: 31.0/24$

Right Out: -52.460 ± 30.525 $\chi^2/\text{NDF}: 44.4/33$

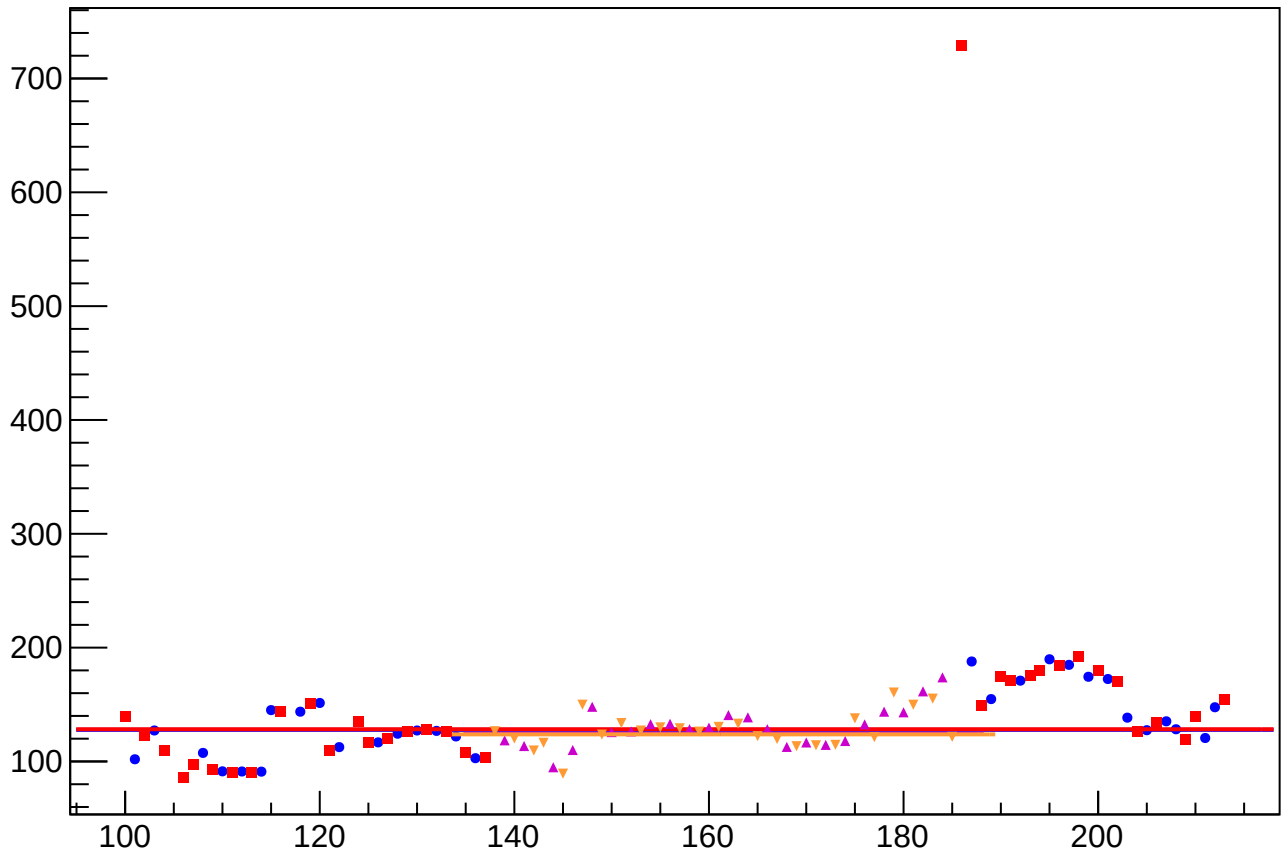
Left In: -253.051 ± 29.313 $\chi^2/\text{NDF}: 26.2/22$

+ sign 181.112 ± 21.051 $\chi^2/\text{NDF}: 77.0/53$

All: 12.886 ± 14.918 $\chi^2/\text{NDF}: 298.4/110$

- sign -156.815 ± 21.143 $\chi^2/\text{NDF}: 93.0/56$

cor_asym_sam_48_dd_rms vs Slug



Right In: 127.776+/-0.022 χ^2/NDF : 1411266.4/28

Left Out: 123.807+/-0.020 χ^2/NDF : 598444.2/24

Right Out: 128.288+/-0.022 χ^2/NDF : 2391777.2/33

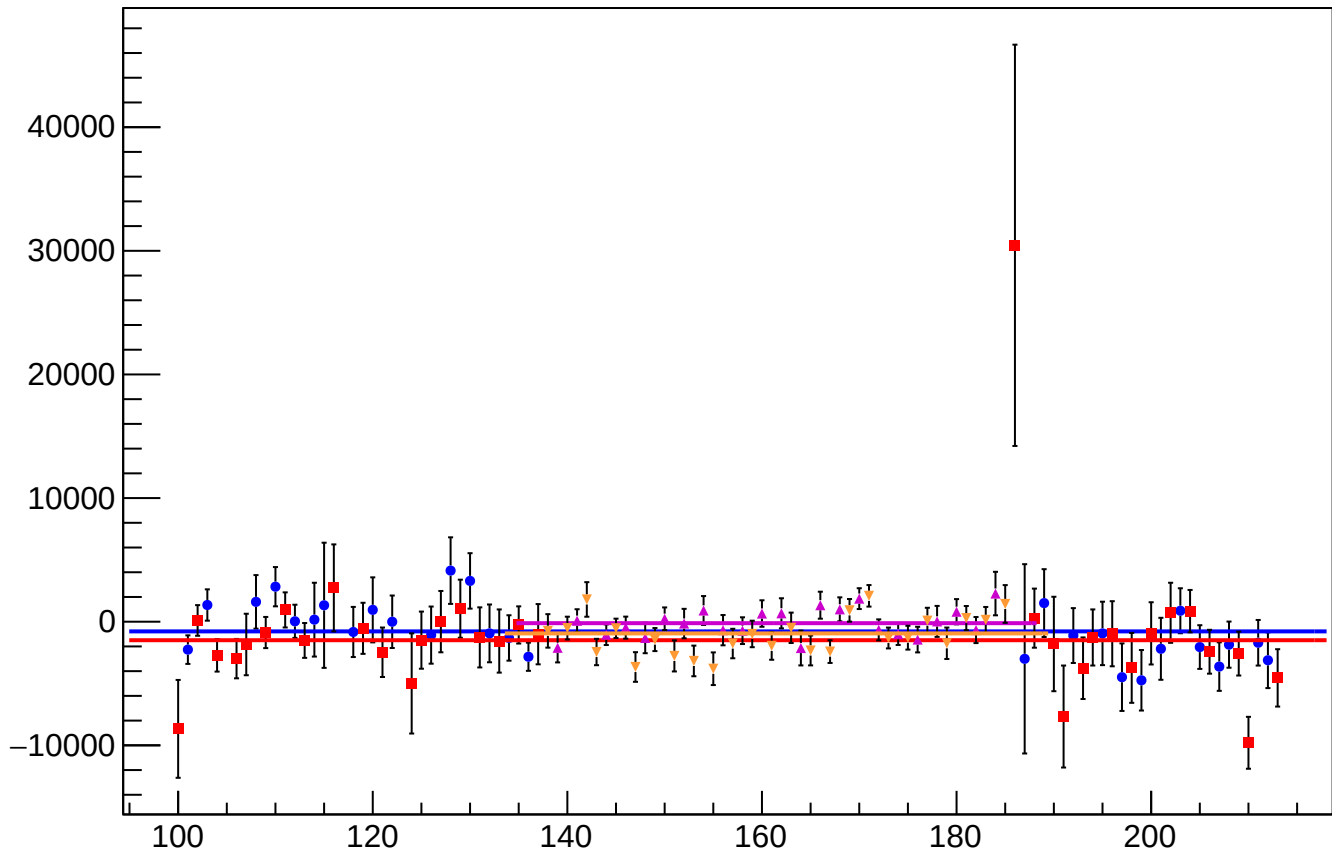
Left In: 124.259+/-0.021 χ^2/NDF : 557214.9/22

+ sign 125.597+/-0.015 χ^2/NDF : 2027307.7/53

All: 125.893+/-0.011 χ^2/NDF : 4995222.2/110

- sign 126.192+/-0.015 χ^2/NDF : 2967118.7/56

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -783.440 $\pm$ 360.410 χ^2/NDF : 32.8/28

Left Out: -947.709 $\pm$ 211.794 χ^2/NDF : 50.3/24

Right Out: -1497.248 $\pm$ 348.901 χ^2/NDF : 43.8/33

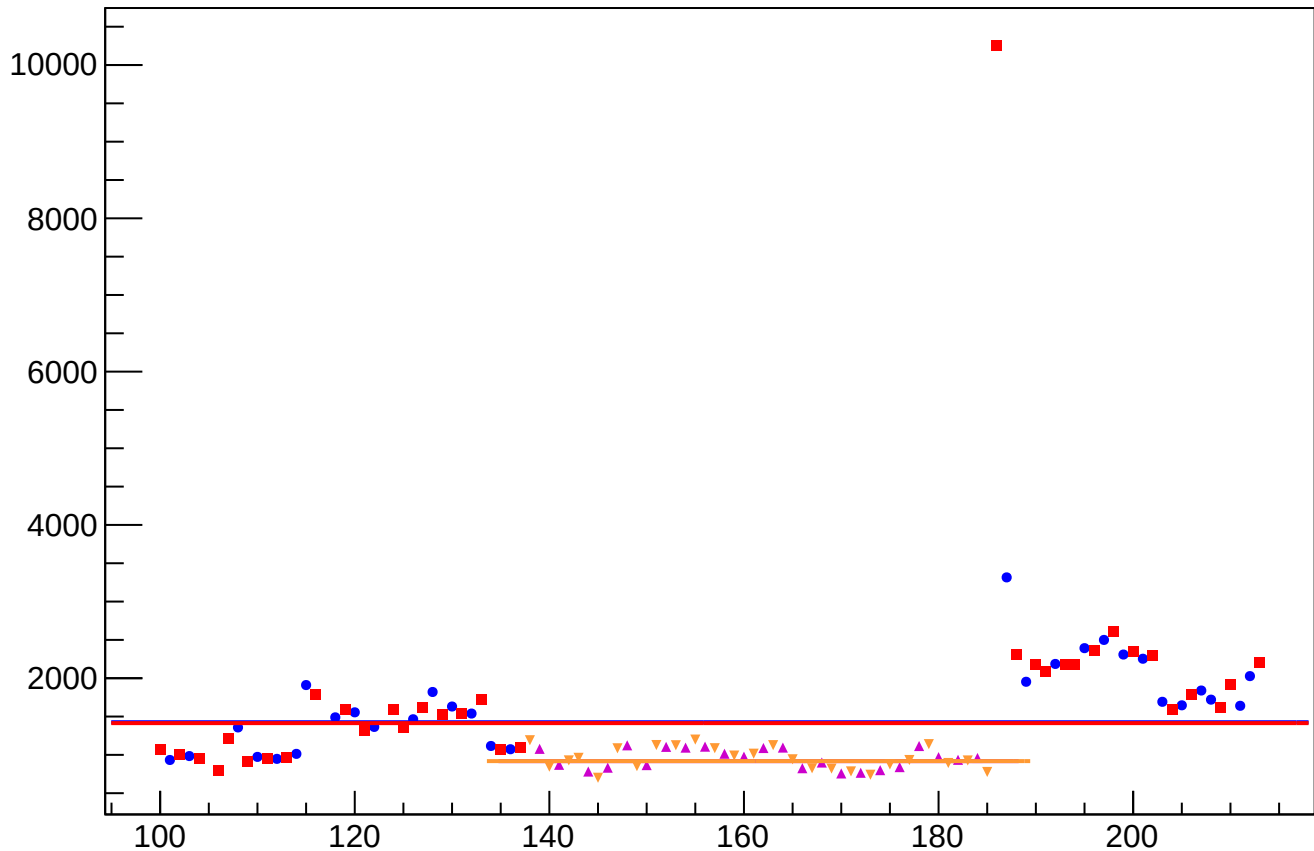
Left In: -118.435 $\pm$ 217.165 χ^2/NDF : 24.4/22

+ sign -905.543 $\pm$ 182.599 χ^2/NDF : 83.2/53

All: -706.435 $\pm$ 129.738 χ^2/NDF : 165.0/110

- sign -503.448 $\pm$ 184.369 χ^2/NDF : 79.4/56

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1425.913+/-0.255 χ^2/NDF : 3287868.6/28

Left Out: 918.501+/-0.150 χ^2/NDF : 887819.5/24

Right Out: 1414.157+/-0.247 χ^2/NDF : 4835518.5/33

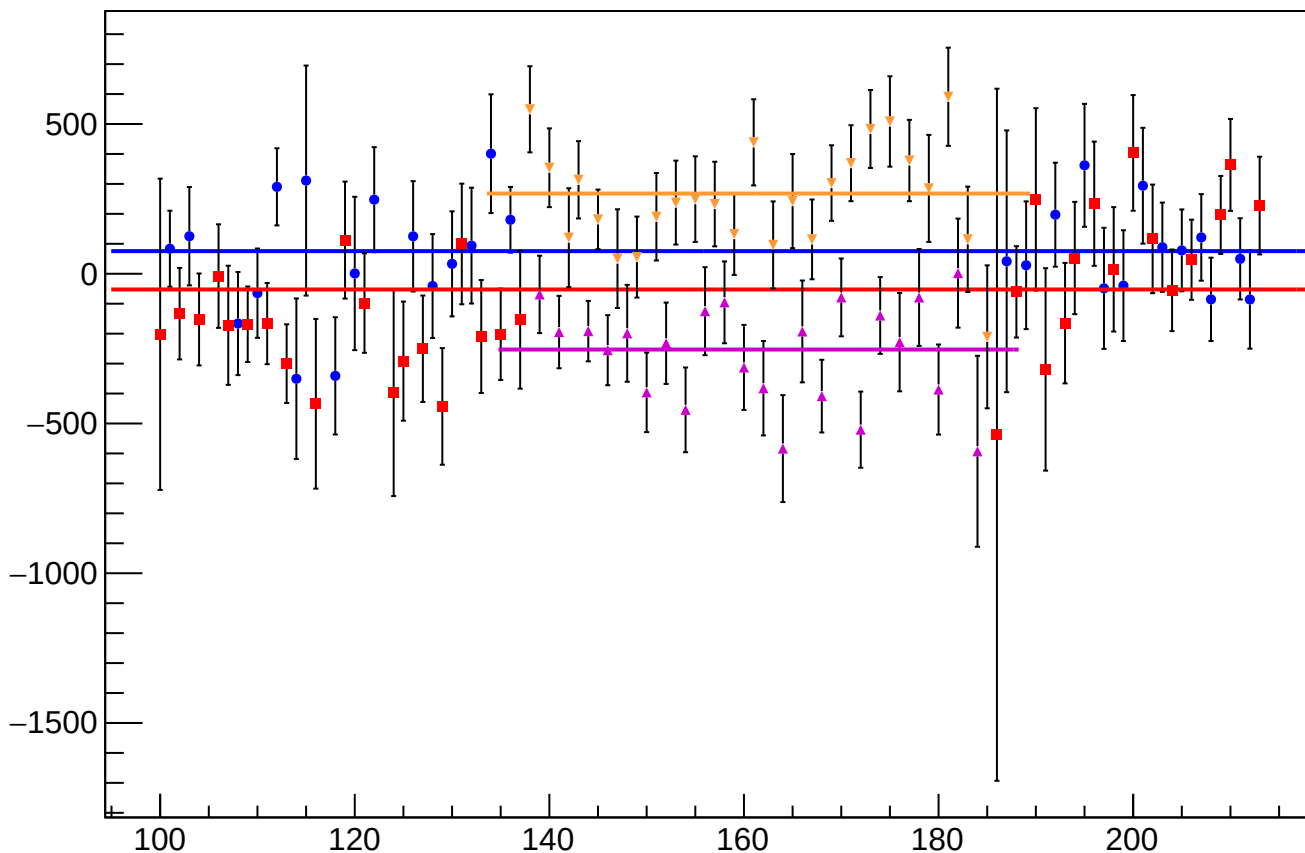
Left In: 918.214+/-0.154 χ^2/NDF : 666263.4/22

+ sign 1048.748+/-0.129 χ^2/NDF : 7122347.2/53

All: 1052.685+/-0.092 χ^2/NDF : 15538606.5/100

- sign 1056.699+/-0.130 χ^2/NDF : 8414381.5/56

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 75.547 ± 31.350 χ^2/NDF : 25.4/28

Left Out: 267.791 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -52.460 ± 30.525 χ^2/NDF : 44.4/33

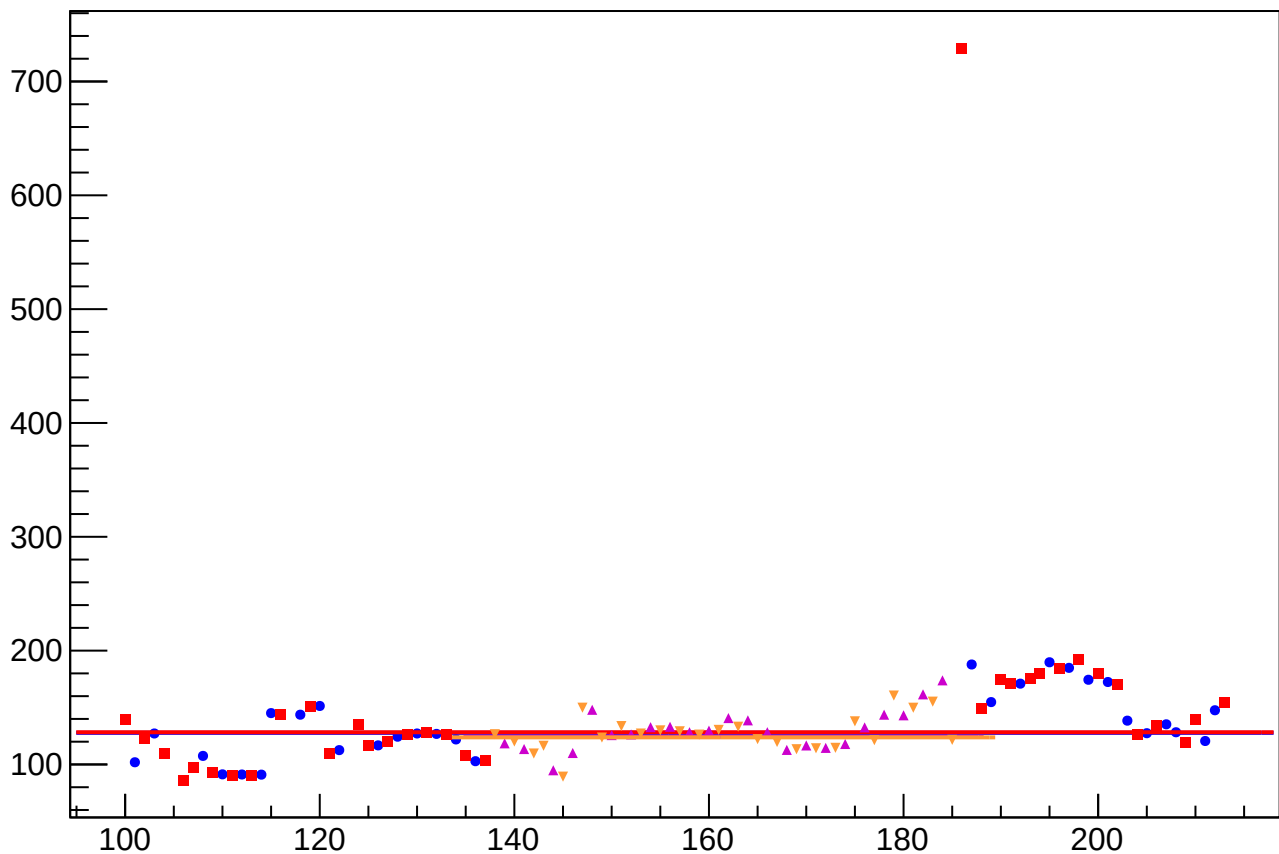
Left In: -253.051 ± 29.313 χ^2/NDF : 26.2/22

+ sign 181.112 ± 21.051 χ^2/NDF : 77.0/53

All: 12.886 ± 14.918 χ^2/NDF : 298.4/110

- sign -156.815 ± 21.143 χ^2/NDF : 93.0/56

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 127.776 $\pm$ 0.022 χ^2 /NDF: 1411266.4/28

Left Out: 123.807 $\pm$ 0.020 χ^2 /NDF: 598444.2/24

Right Out: 128.288 $\pm$ 0.022 χ^2 /NDF: 2391777.2/33

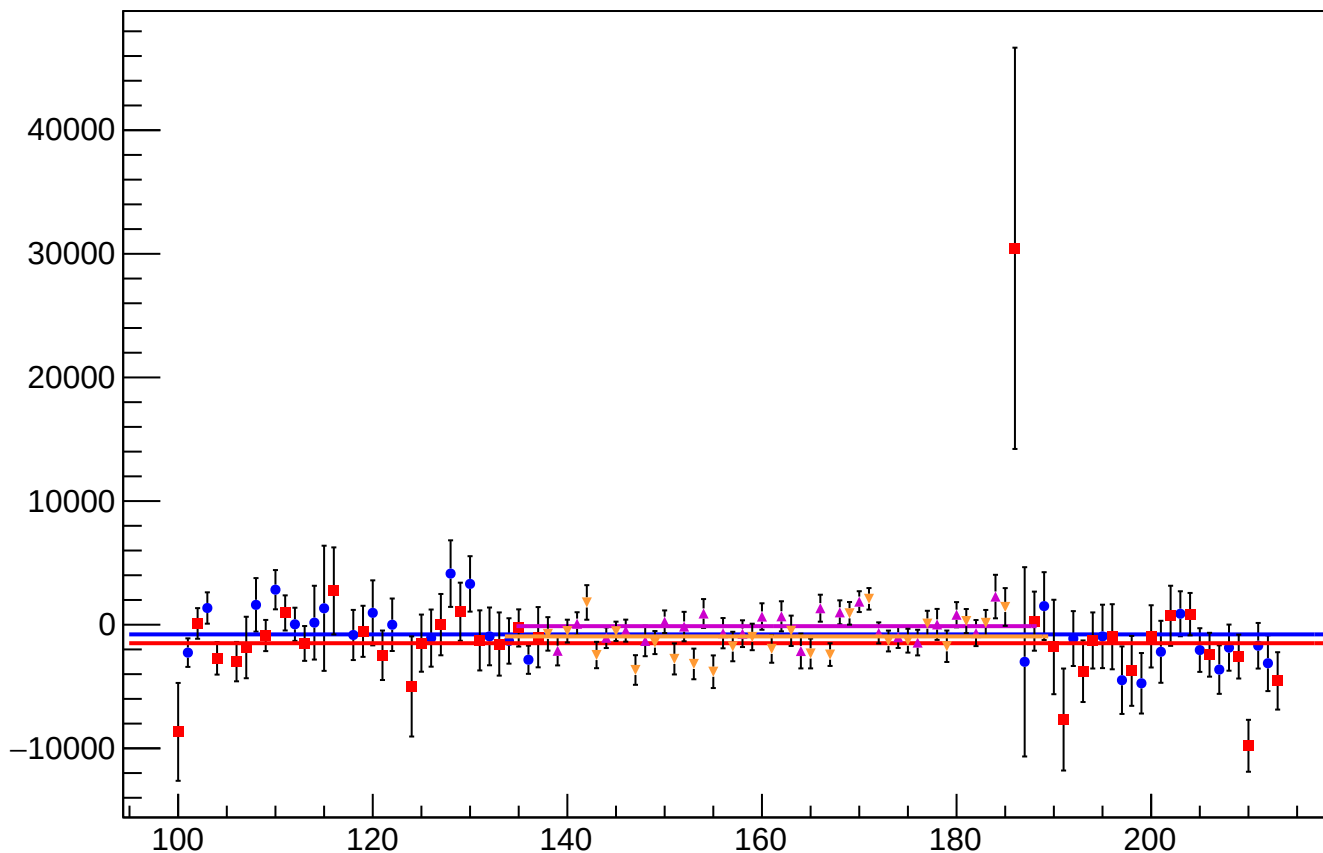
Left In: 124.259 $\pm$ 0.021 χ^2 /NDF: 557214.9/22

+ sign 125.597 $\pm$ 0.015 χ^2 /NDF: 2027307.7/53

All: 125.893 $\pm$ 0.011 χ^2 /NDF: 4995222.2/110

- sign 126.192 $\pm$ 0.015 χ^2 /NDF: 2967118.7/56

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -783.440 ± 360.410 χ^2/NDF : 32.8/28

Left Out: -947.709 ± 211.794 χ^2/NDF : 50.3/24

Right Out: -1497.248 ± 348.901 χ^2/NDF : 43.8/33

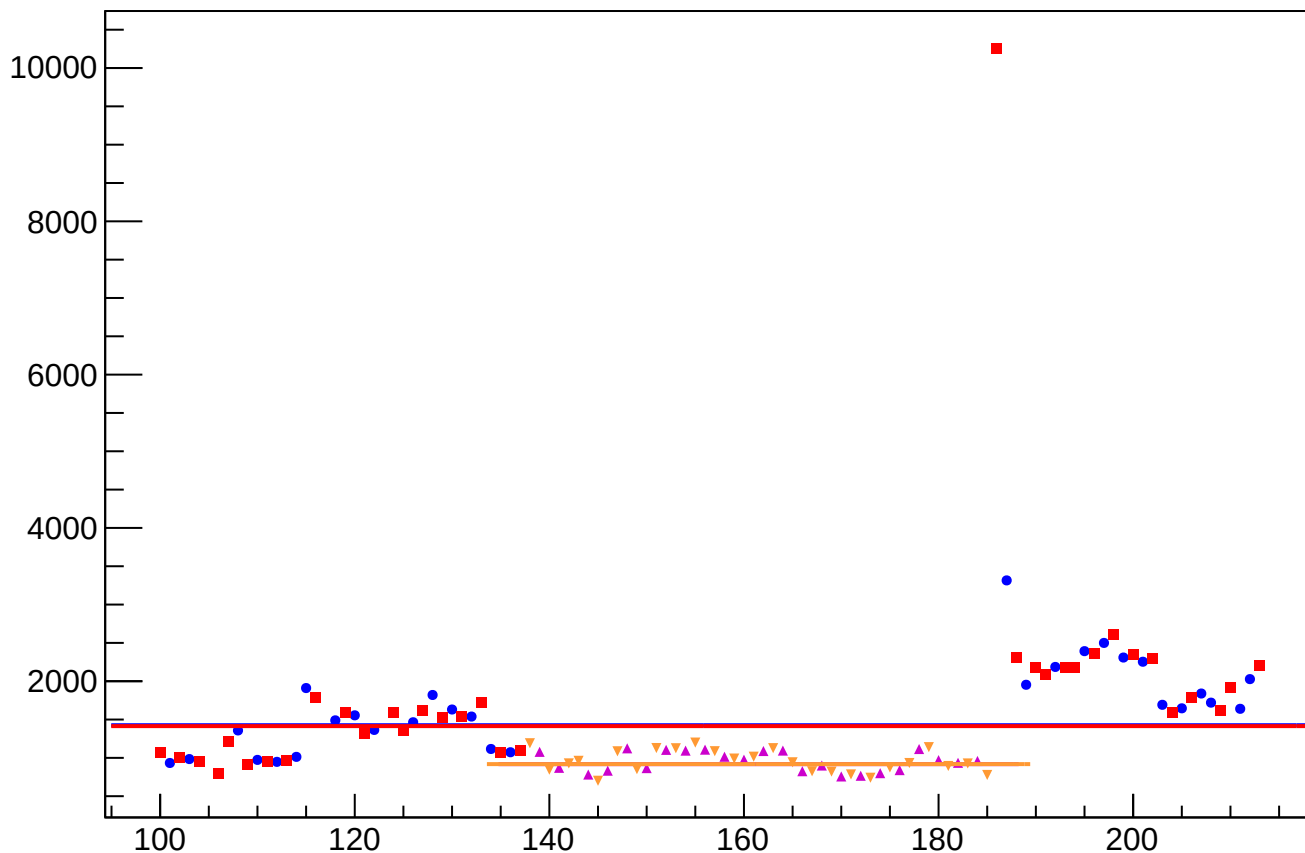
Left In: -118.435 ± 217.165 χ^2/NDF : 24.4/22

+ sign -905.543 ± 182.599 χ^2/NDF : 83.2/53

All: -706.435 ± 129.738 χ^2/NDF : 165.0/110

- sign -503.448 ± 184.369 χ^2/NDF : 79.4/56

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1425.913 $\pm$ 0.255 χ^2 /NDF: 3287868.6/28

Left Out: 918.501 $\pm$ 0.150 χ^2 /NDF: 887819.5/24

Right Out: 1414.157 $\pm$ 0.247 χ^2 /NDF: 4835518.5/33

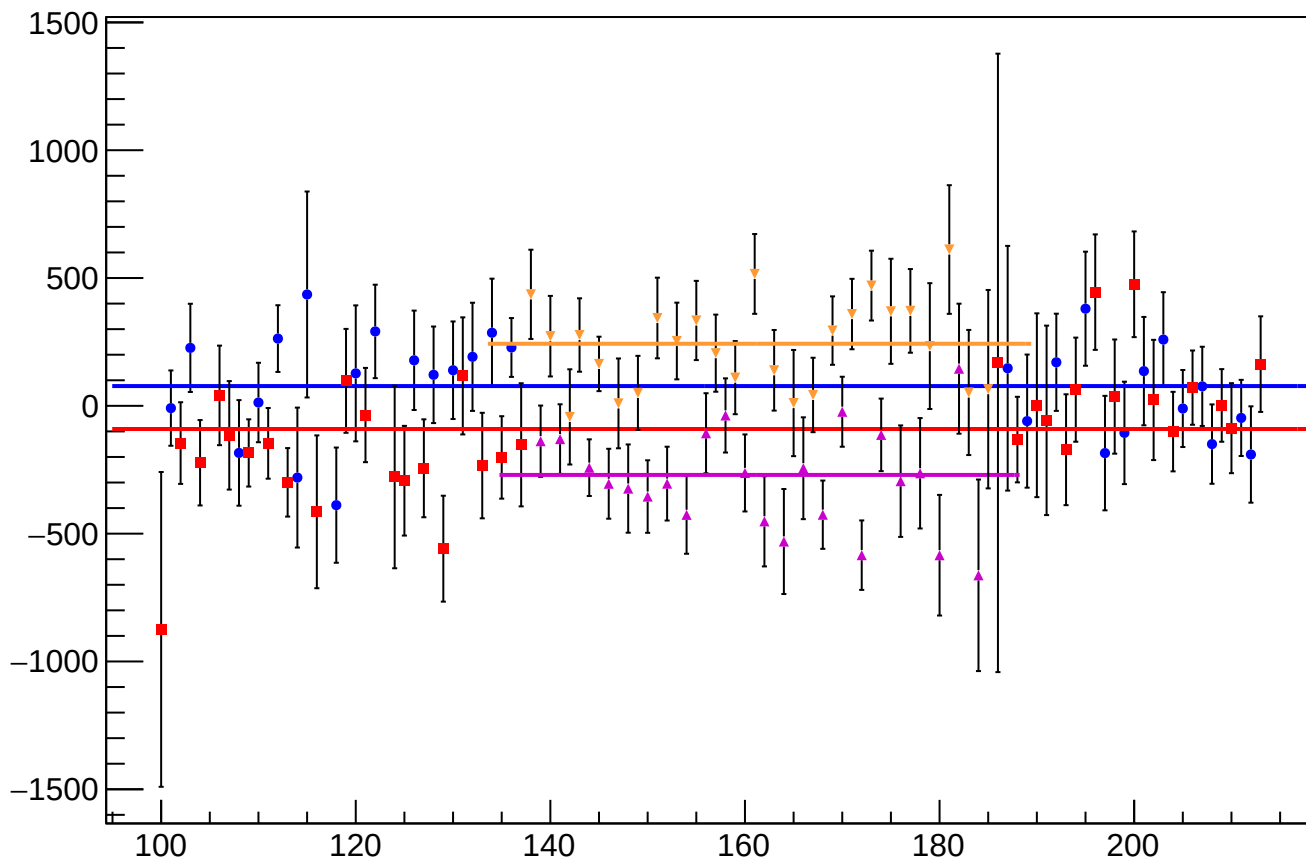
Left In: 918.214 $\pm$ 0.154 χ^2 /NDF: 666263.4/22

+ sign 1048.748 $\pm$ 0.129 χ^2 /NDF: 7122347.2/53

All: 1052.685 $\pm$ 0.092 χ^2 /NDF: 15538606.5/100

- sign 1056.699 $\pm$ 0.130 χ^2 /NDF: 8414381.5/56

dit_asym_sam_48_dd_mean vs Slug



Right In: 77.335 $\pm$ 34.257 χ^2/NDF : 27.3/28

Left Out: 242.890 $\pm$ 32.138 χ^2/NDF : 23.7/24

Right Out: -90.602 $\pm$ 33.107 χ^2/NDF : 34.9/33

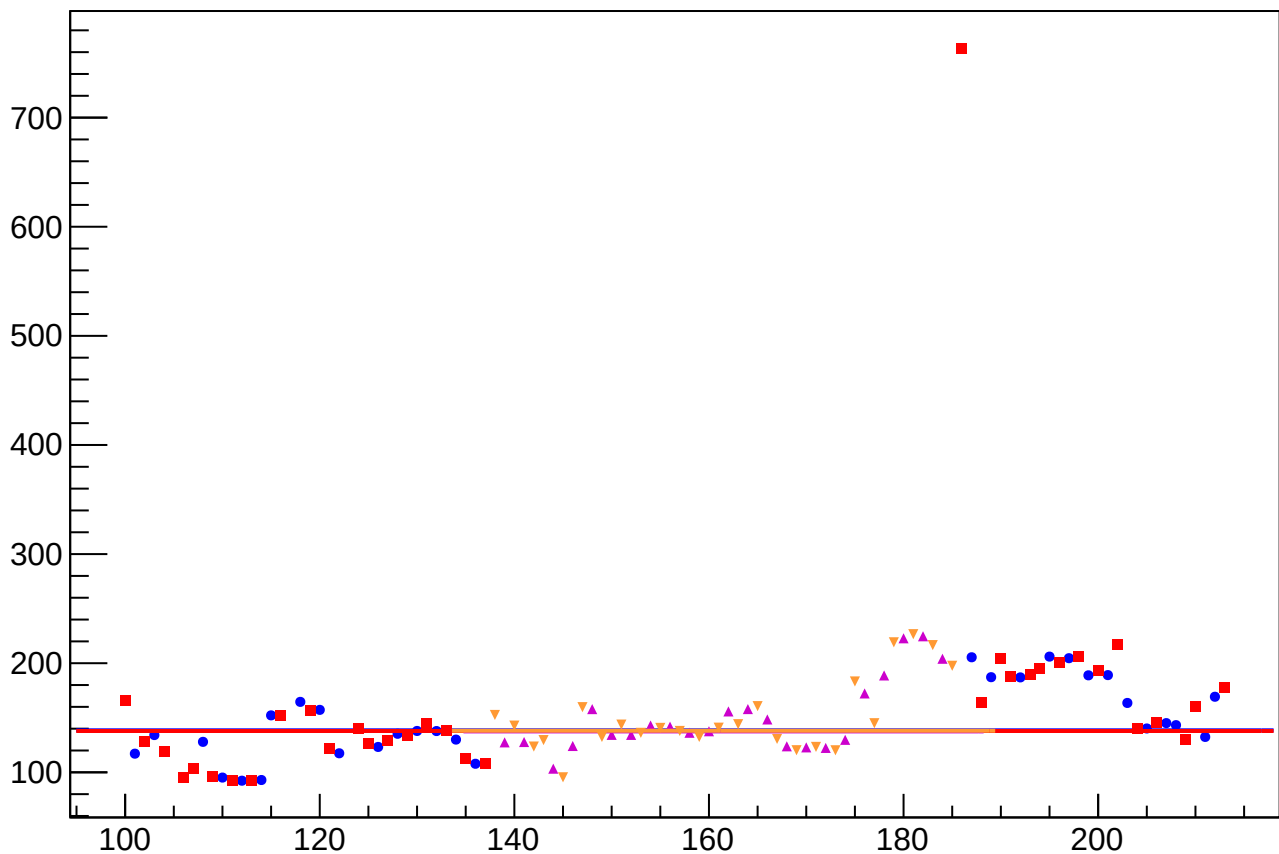
Left In: -270.243 $\pm$ 32.893 χ^2/NDF : 26.7/22

+ sign 165.390 $\pm$ 23.439 χ^2/NDF : 63.4/53

All: -8.580 $\pm$ 16.537 χ^2/NDF : 249.5/110

- sign -181.006 $\pm$ 23.334 χ^2/NDF : 76.4/56

dit_asym_sam_48_dd_rms vs Slug



Right In: 138.491 $\pm$ 0.024 χ^2 /NDF: 1669570.2/28

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF:1338308.5/24

Right Out: 137.889 $\pm$ 0.023 χ^2 /NDF: 2761488.9/33

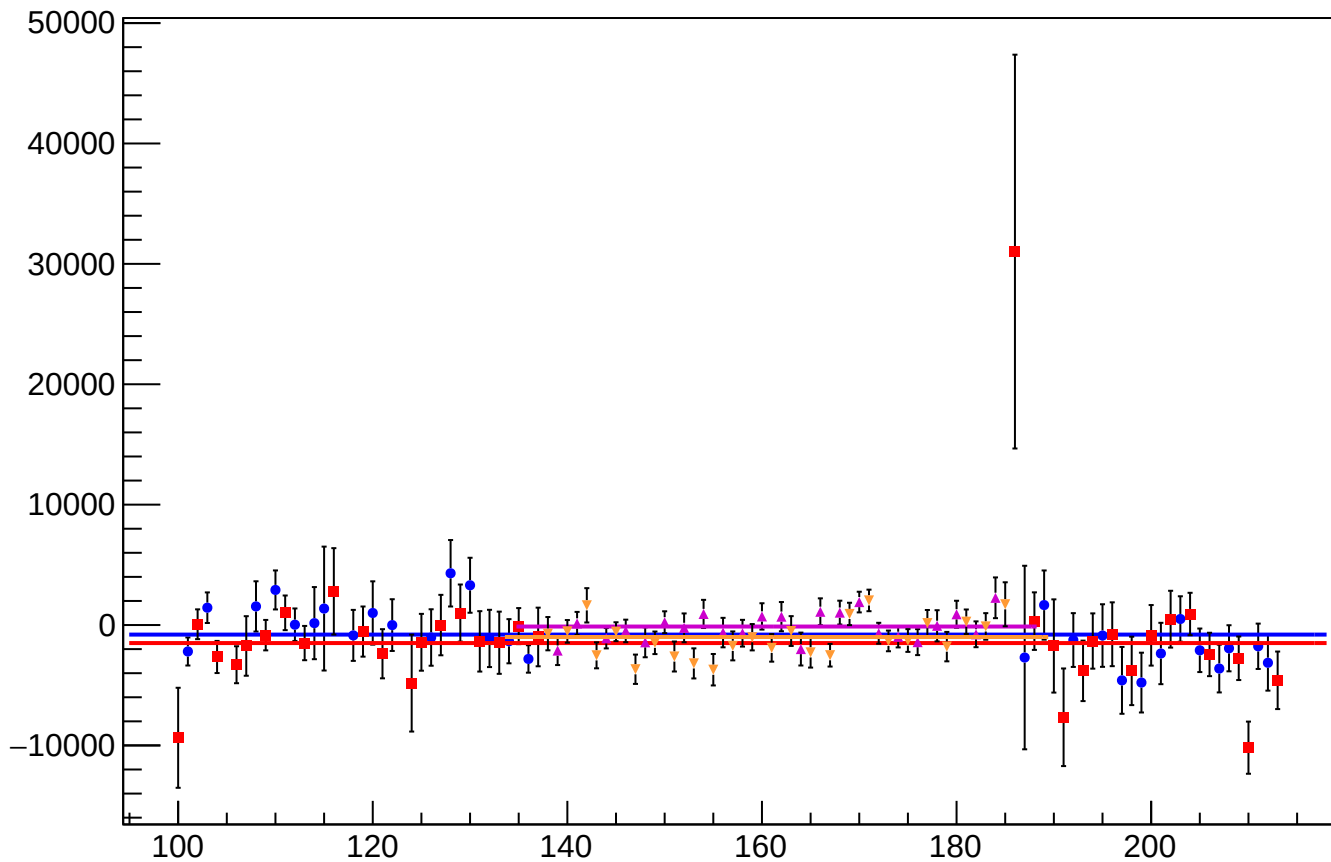
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF:1109333.5/22

+ sign 138.297 $\pm$ 0.017 χ^2 /NDF: 3007998.4/53

All: 137.992 $\pm$ 0.012 χ^2 /NDF: 6879643.4/110

- sign 137.689 $\pm$ 0.016 χ^2 /NDF: 3870967.5/56

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -794.063 ± 364.851 χ^2/NDF : 32.5/28

Left Out: -993.237 ± 215.652 χ^2/NDF : 46.9/24

Right Out: -1497.089 ± 351.479 χ^2/NDF : 45.2/33

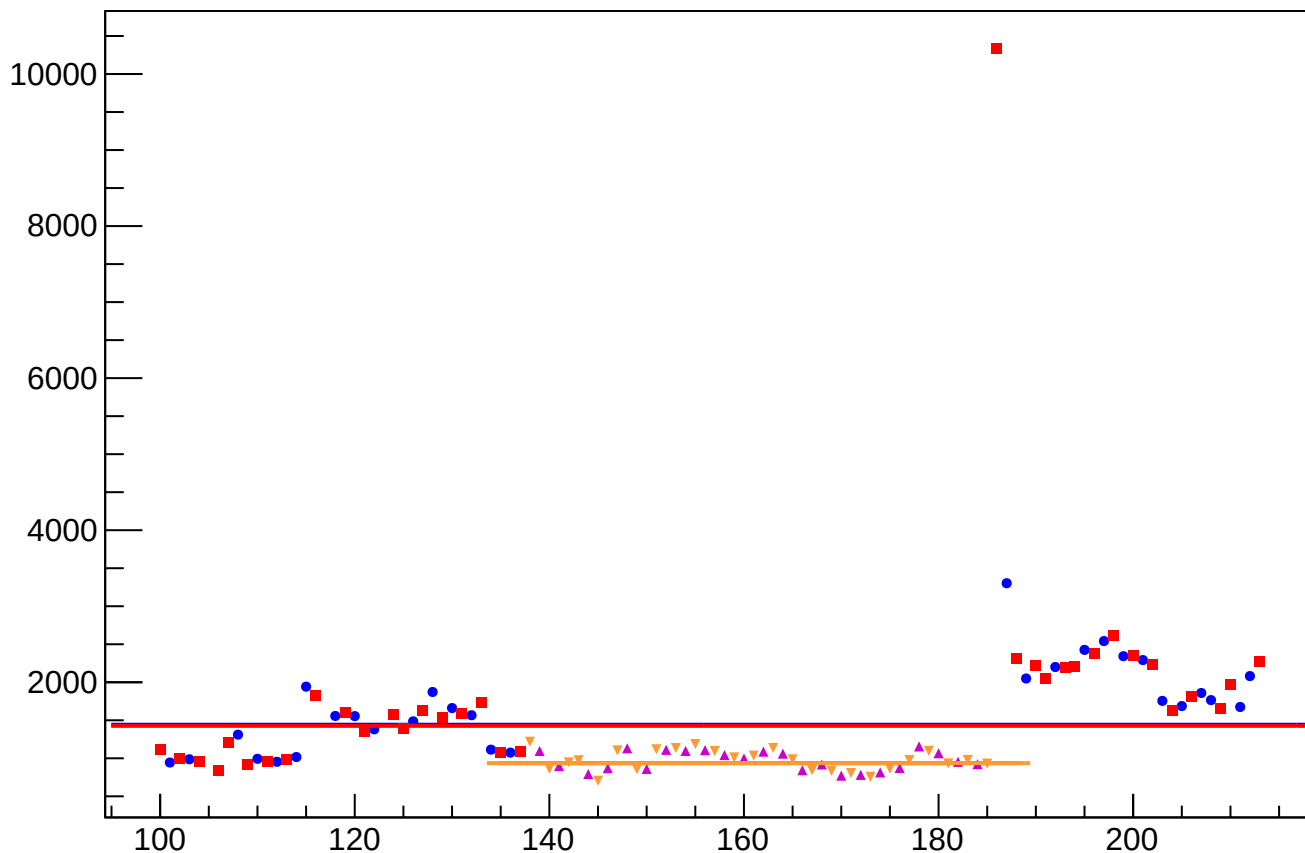
Left In: -124.857 ± 221.367 χ^2/NDF : 23.9/22

+ sign -941.669 ± 185.648 χ^2/NDF : 79.7/53

All: -730.033 ± 131.857 χ^2/NDF : 162.2/110

- sign -514.584 ± 187.312 χ^2/NDF : 79.9/56

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1441.493+/-0.258 χ^2/NDF : 3405476.3/28

Left Out: 936.743+/-0.152 χ^2/NDF : 832449.3/24

Right Out: 1427.034+/-0.249 χ^2/NDF : 4842390.2/33

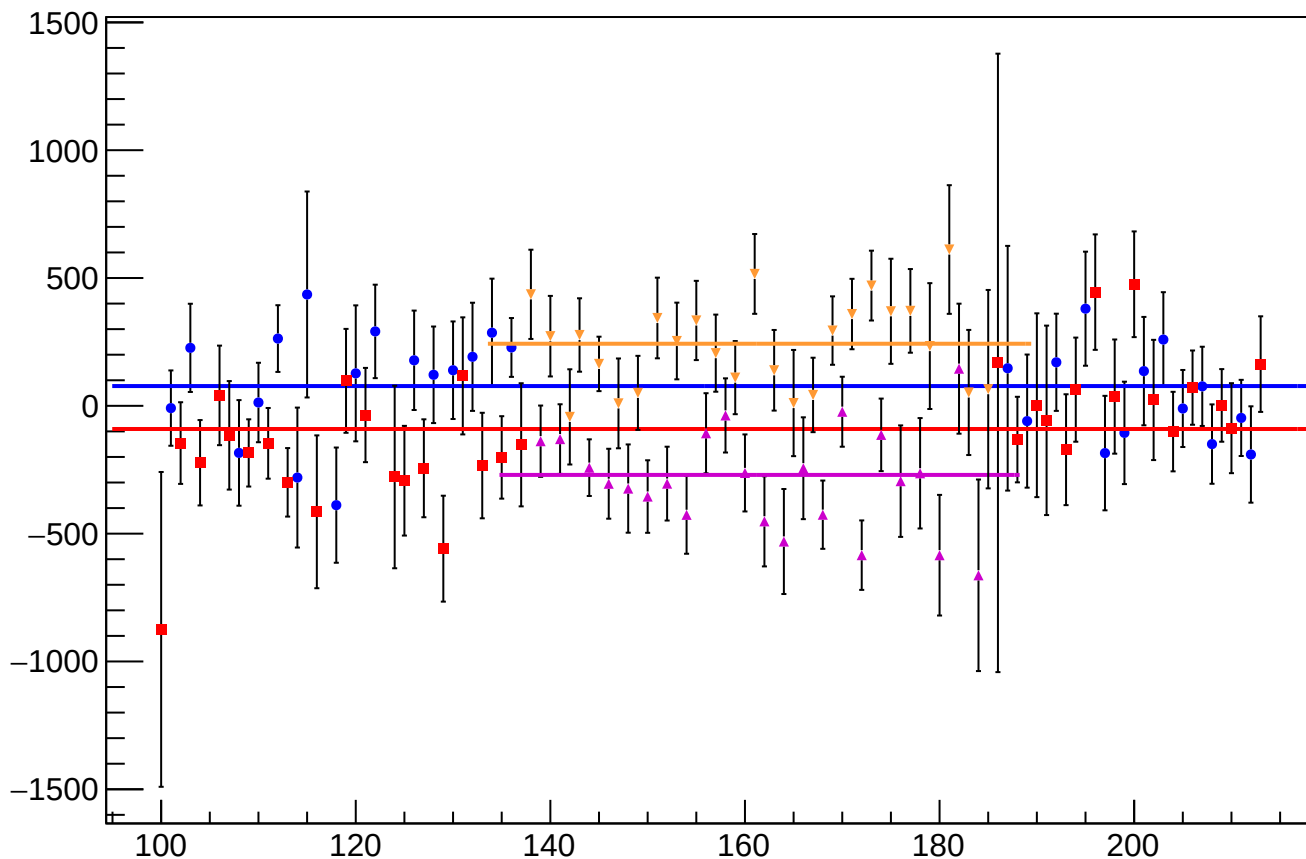
Left In: 936.380+/-0.157 χ^2/NDF : 642749.3/22

+ sign 1067.428+/-0.131 χ^2/NDF : 7074680.7/53

All: 1071.542+/-0.093 χ^2/NDF : 15352345.7/100

- sign 1075.731+/-0.132 χ^2/NDF : 8275682.5/56

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 77.337 $\pm$ 34.257 χ^2/NDF : 27.3/28

Left Out: 242.892 $\pm$ 32.138 χ^2/NDF :23.7/24

Right Out: -90.601 $\pm$ 33.107 χ^2/NDF : 34.9/33

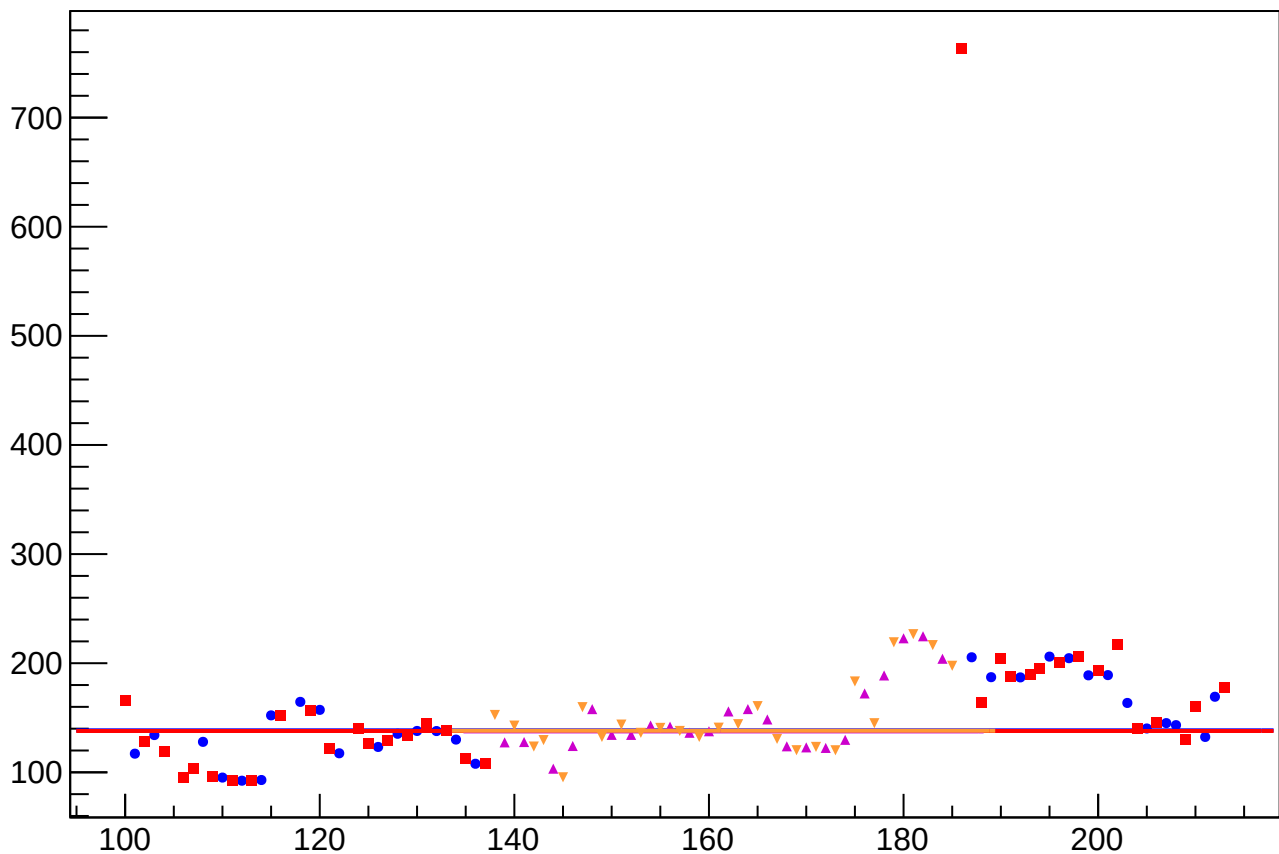
Left In: -270.244 $\pm$ 32.893 χ^2/NDF :26.7/22

+ sign 165.392 $\pm$ 23.439 χ^2/NDF : 63.4/53

All: -8.578 $\pm$ 16.537 χ^2/NDF : 249.5/110

- sign -181.006 $\pm$ 23.334 χ^2/NDF : 76.4/56

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 138.491 $\pm$ 0.024 χ^2 /NDF: 1669557.0/28

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF:1338311.7/24

Right Out: 137.889 $\pm$ 0.023 χ^2 /NDF: 2761493.8/33

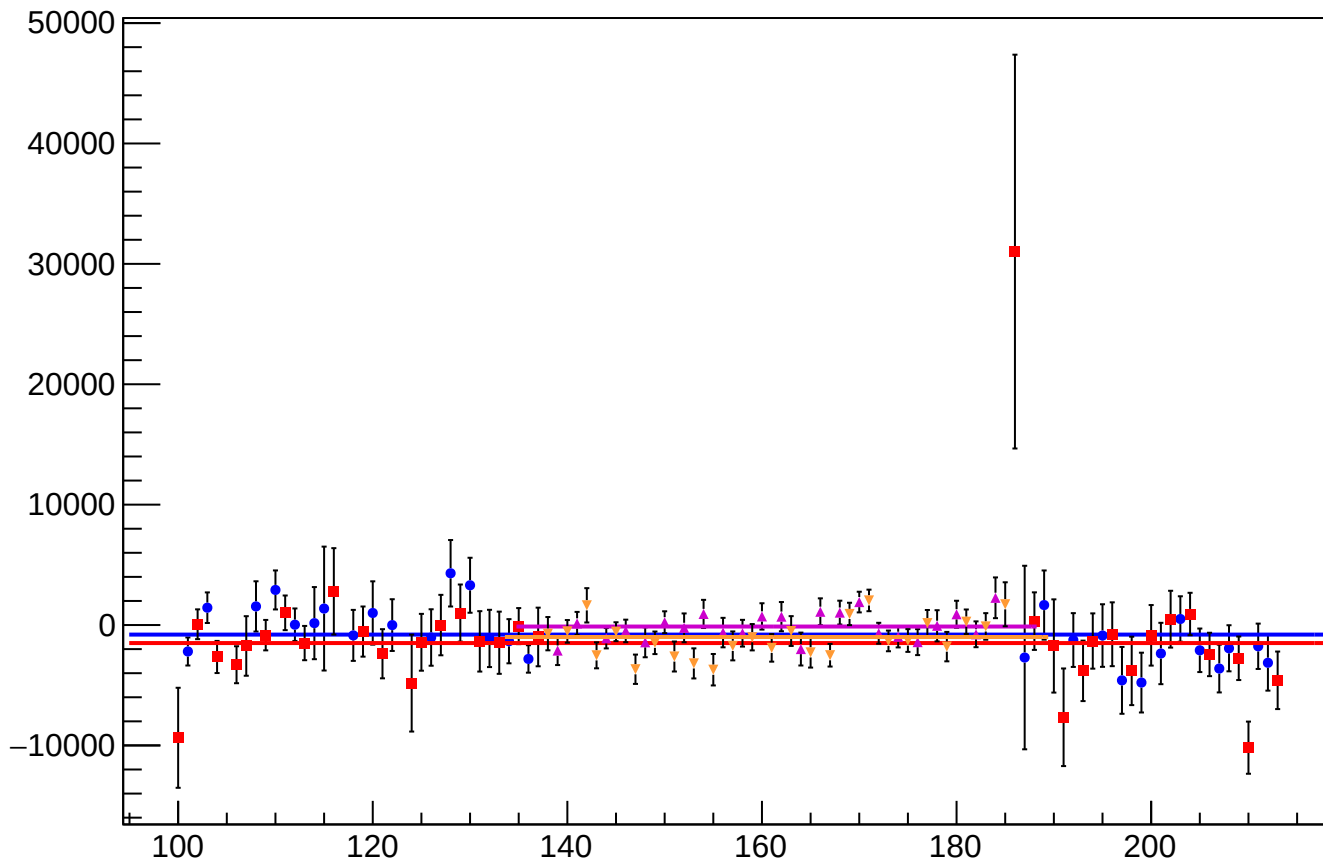
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF:1109319.8/22

+ sign 138.297 $\pm$ 0.017 χ^2 /NDF: 3007988.4/53

All: 137.992 $\pm$ 0.012 χ^2 /NDF: 6879624.4/110

- sign 137.689 $\pm$ 0.016 χ^2 /NDF: 3870958.7/56

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -794.062+/-364.851 χ^2/NDF : 32.5/28

Left Out: -993.235+/-215.652 χ^2/NDF : 46.9/24

Right Out: -1497.087+/-351.479 χ^2/NDF : 45.2/33

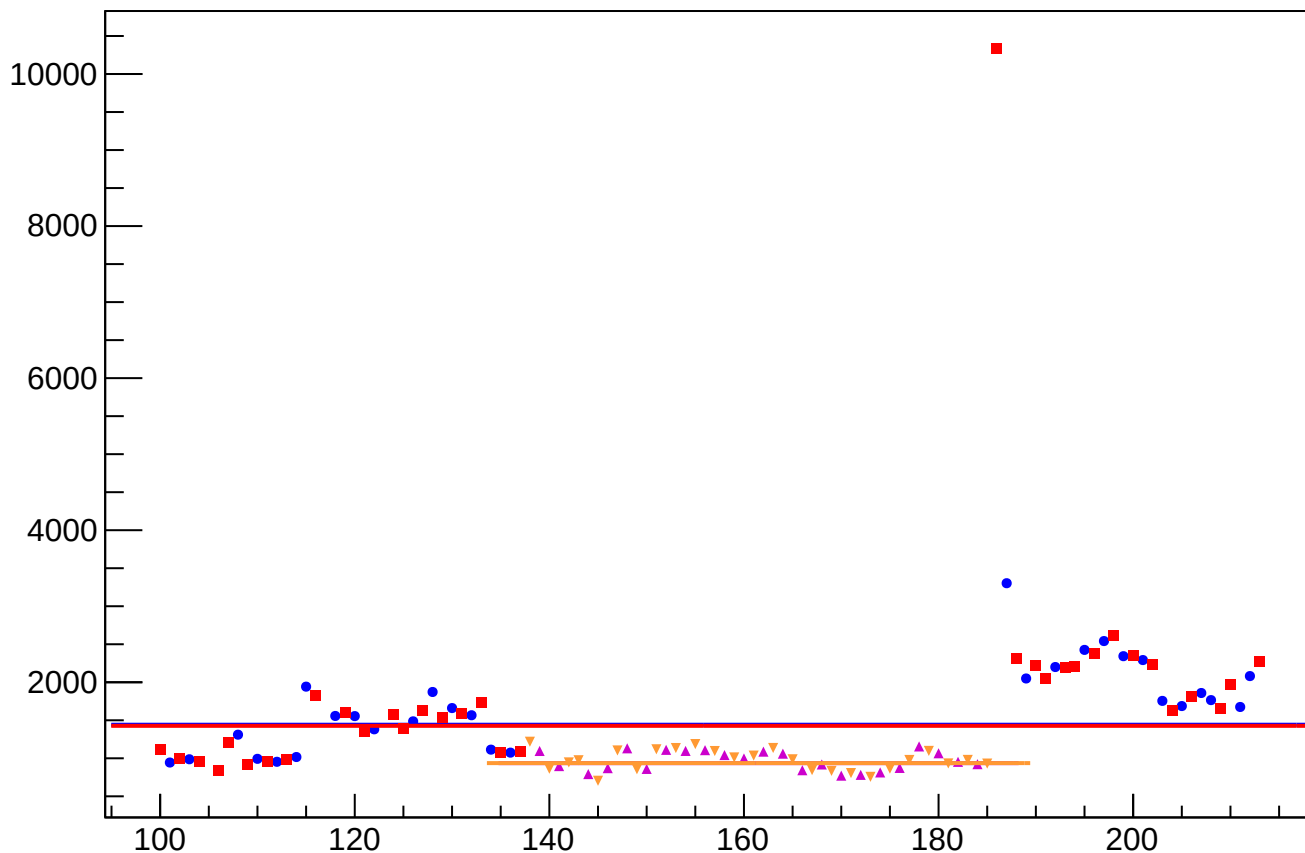
Left In: -124.856+/-221.366 χ^2/NDF : 23.9/22

+ sign -941.667+/-185.648 χ^2/NDF : 79.7/53

All: -730.031+/-131.857 χ^2/NDF : 162.2/110

- sign -514.583+/-187.312 χ^2/NDF : 79.9/56

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1441.493+/-0.258 χ^2/NDF : 3405471.3/28

Left Out: 936.742+/-0.152 χ^2/NDF : 832452.0/24

Right Out: 1427.033+/-0.249 χ^2/NDF : 4842383.0/33

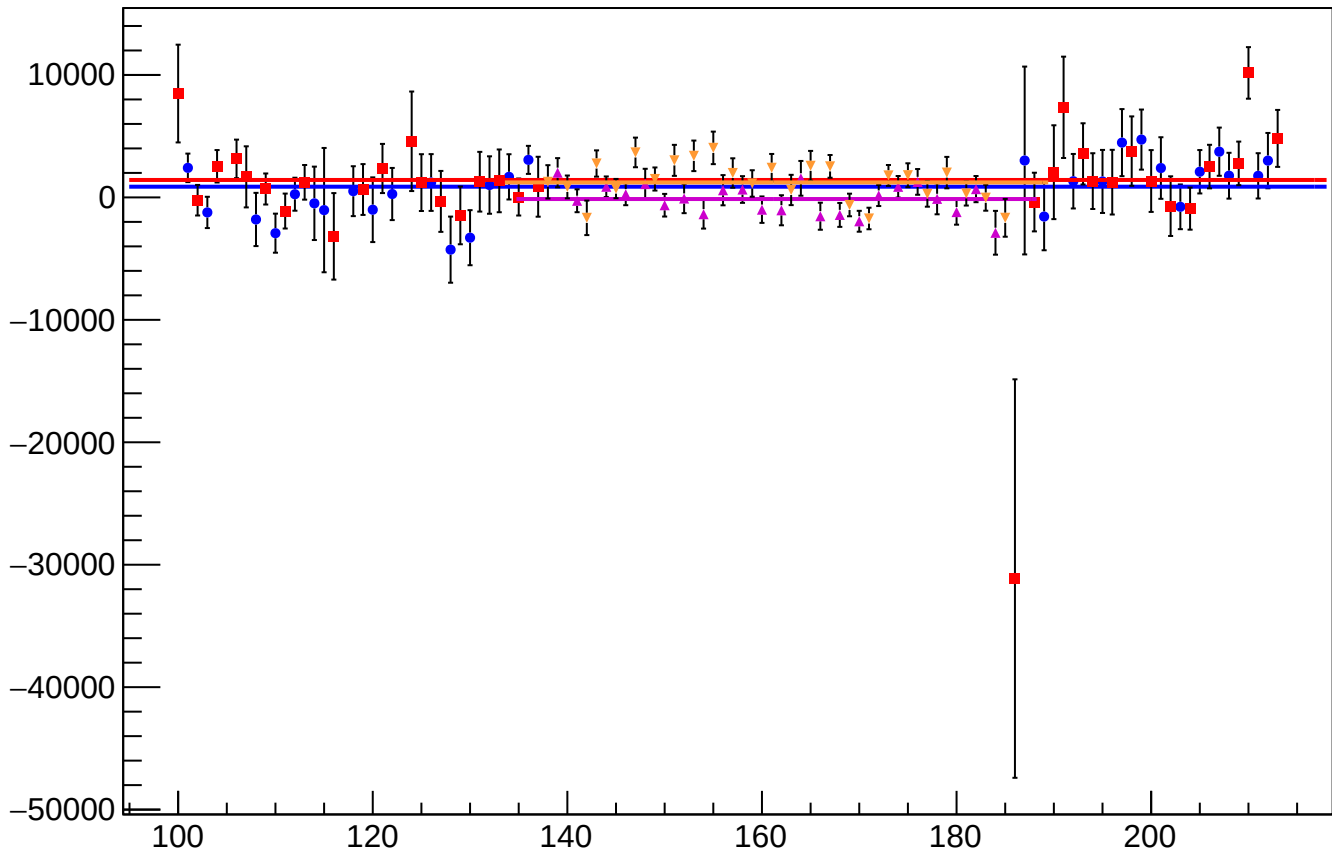
Left In: 936.379+/-0.157 χ^2/NDF : 642748.0/22

+ sign 1067.427+/-0.131 χ^2/NDF : 7074690.3/53

All: 1071.541+/-0.093 χ^2/NDF : 15352355.0/101

- sign 1075.730+/-0.132 χ^2/NDF : 8275682.1/56

asym_sam_48_dd_mean vs Slug



Right In: 874.405 ± 362.049 χ^2/NDF : 34.0/28

Left Out: 1225.521 ± 213.843 χ^2/NDF : 48.5/24

Right Out: 1424.028 ± 350.144 χ^2/NDF : 46.9/33

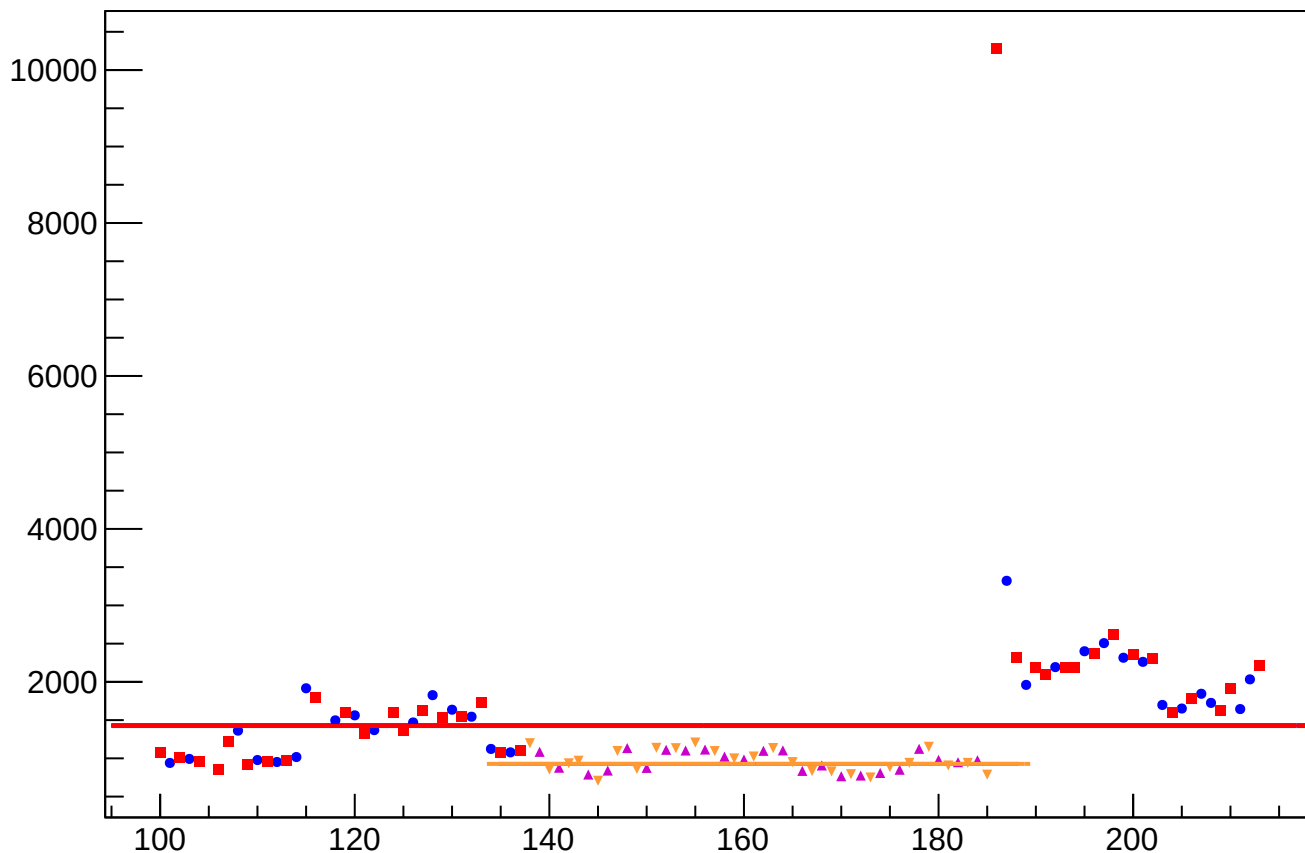
Left In: -132.834 ± 219.278 χ^2/NDF : 25.8/22

+ sign 1134.710 ± 184.124 χ^2/NDF : 83.2/53

All: 724.079 ± 130.799 χ^2/NDF : 180.2/110

- sign 305.747 ± 185.843 χ^2/NDF : 87.0/56

asym_sam_48_dd_rms vs Slug



Right In: 1432.998+/-0.256 χ^2/NDF : 3261987.9/28

Left Out: 927.610+/-0.151 χ^2/NDF : 875127.3/24

Right Out: 1422.459+/-0.248 χ^2/NDF : 4770419.1/33

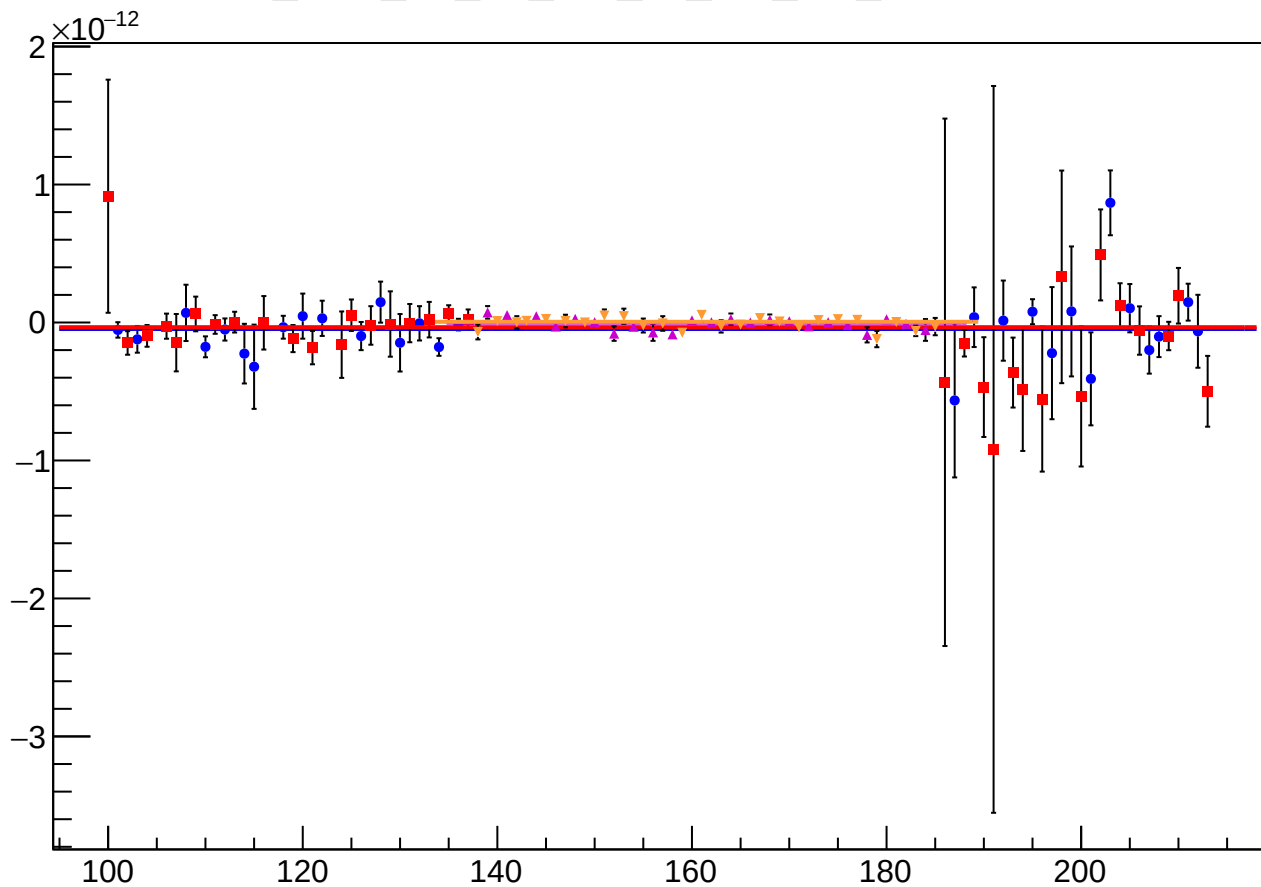
Left In: 927.321+/-0.155 χ^2/NDF : 656539.8/22

+ sign 1058.321+/-0.130 χ^2/NDF : 7026316.6/53

All: 1062.524+/-0.092 χ^2/NDF : 15328085.0/100

- sign 1066.805+/-0.131 χ^2/NDF : 8299664.9/56

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 36.4/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 28.1/33

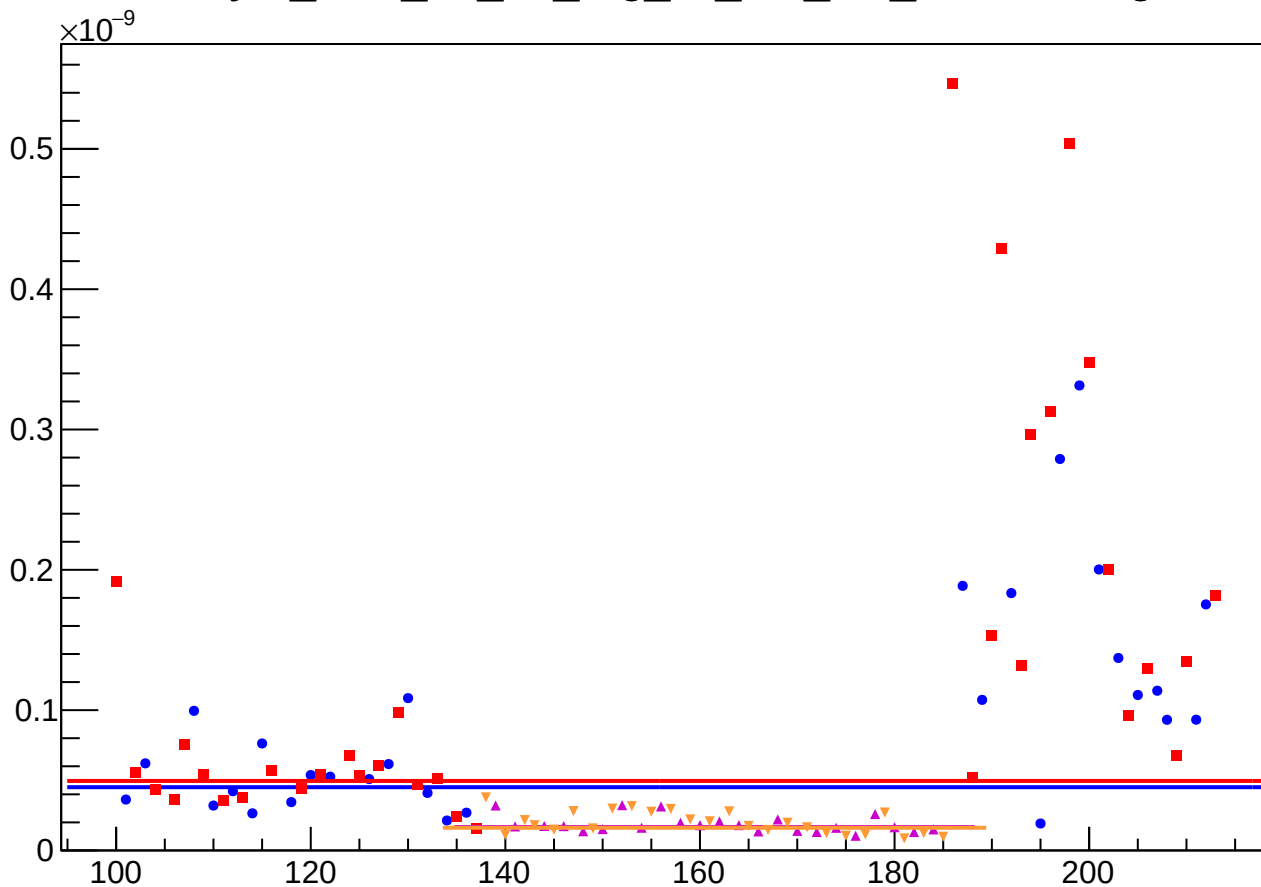
Left In: -0.000 ± 0.000 χ^2/NDF : 27.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.8/53

All: -0.000 ± 0.000 χ^2/NDF : 126.1/110

- sign -0.000 ± 0.000 χ^2/NDF : 58.0/56

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug

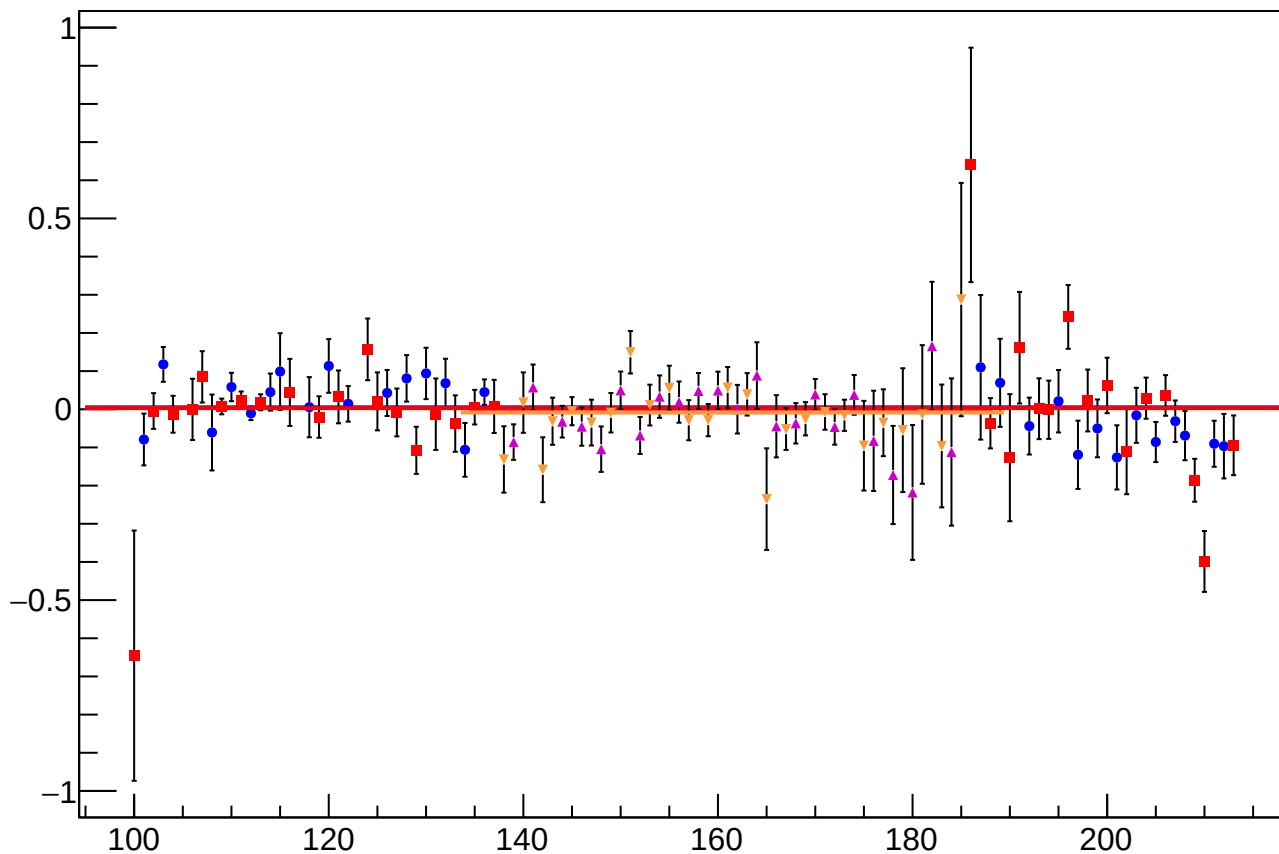


+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 11445873.4/53$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 23024926.5/110$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 11559337.2/56$

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.010 χ^2 /NDF: 38.2/28

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.003 $\pm$ 0.009 χ^2 /NDF: 70.1/33

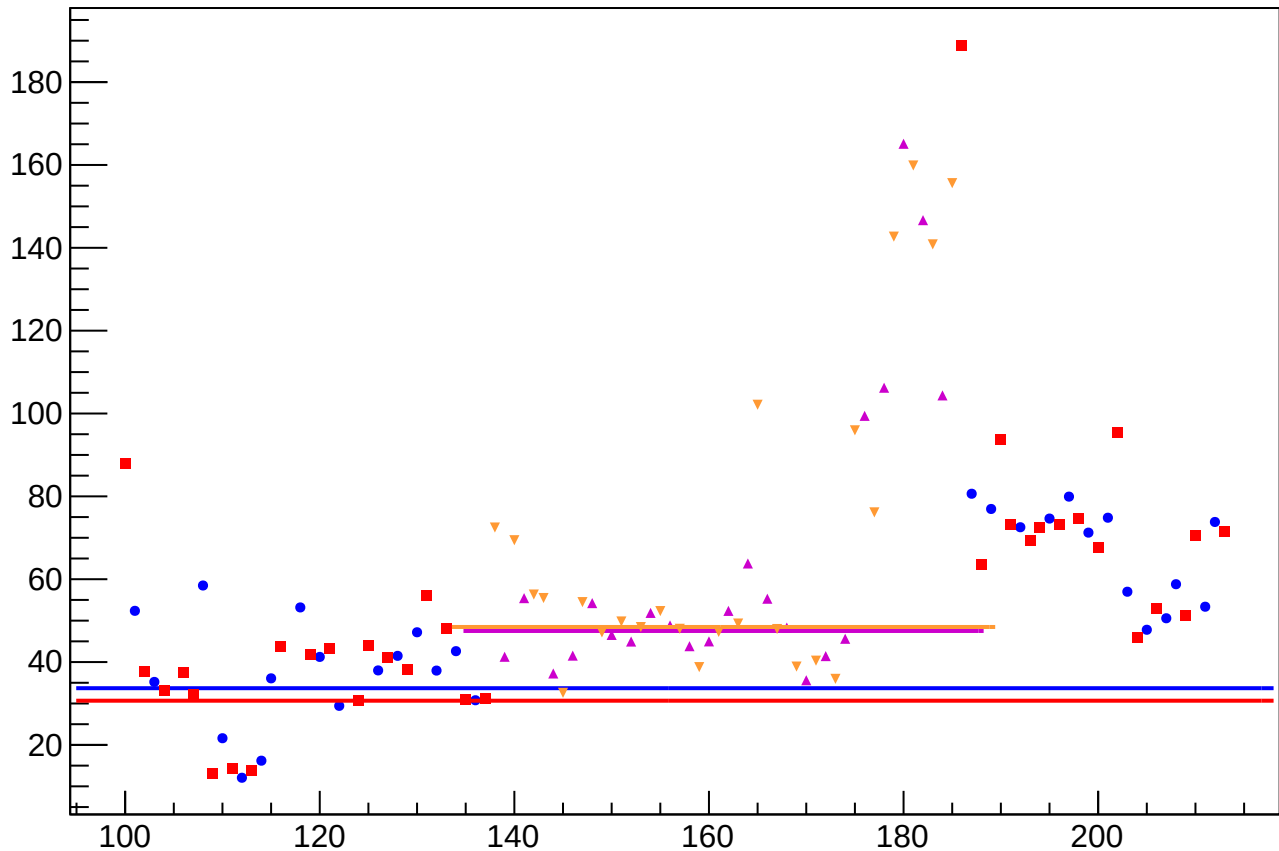
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign -0.000 $\pm$ 0.008 χ^2 /NDF: 62.2/53

All: -0.000 $\pm$ 0.005 χ^2 /NDF: 156.0/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 93.9/56

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.691+/-0.007 χ^2/NDF : 8533978.6/28

Left Out: 48.471+/-0.008 χ^2/NDF : 4373812.0/24

Right Out: 30.673+/-0.006 χ^2/NDF : 11178230.1/33

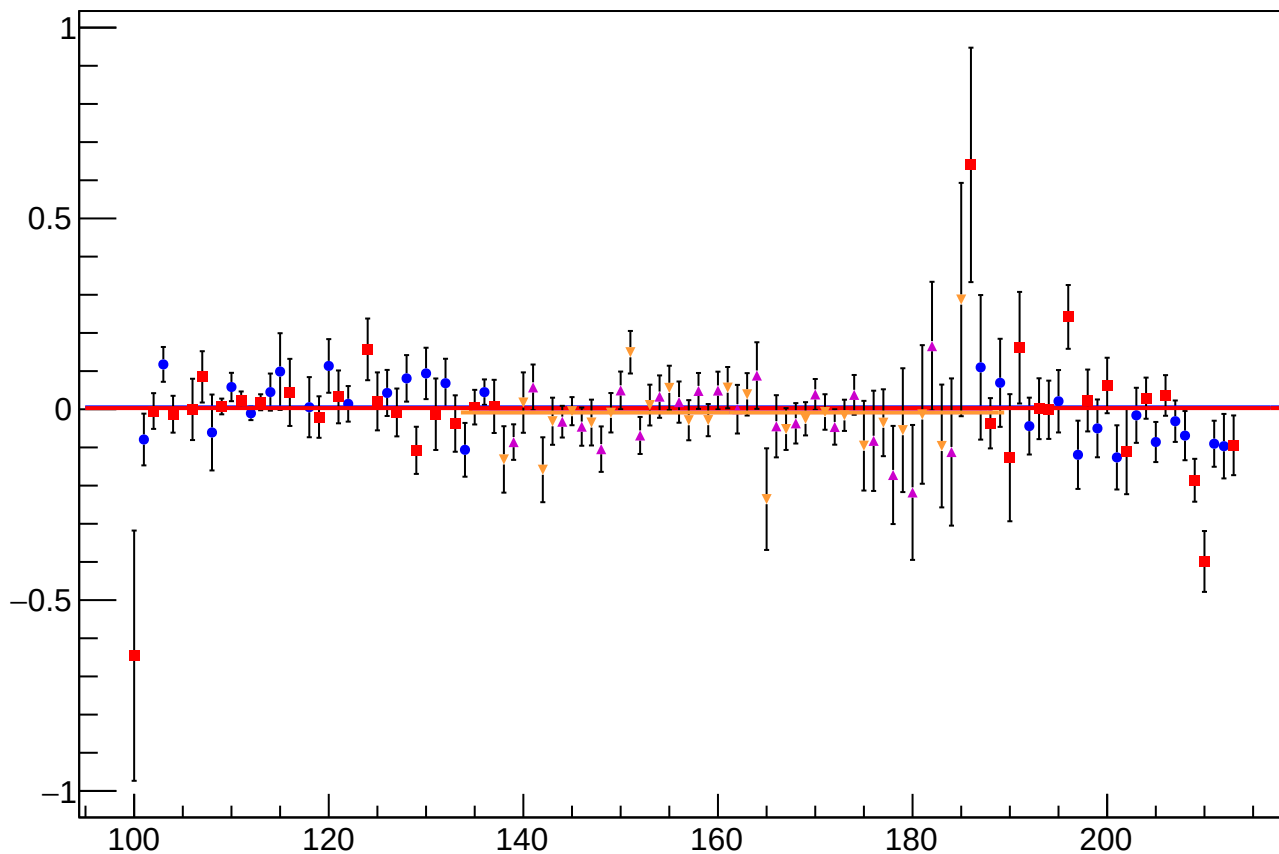
Left In: 47.505+/-0.009 χ^2/NDF : 3075161.5/22

+ sign 39.542+/-0.005 χ^2/NDF : 14738447.7/53

All: 37.939+/-0.004 χ^2/NDF : 31714515.5/110

- sign 36.525+/-0.005 χ^2/NDF : 16806565.6/56

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.010 χ^2/NDF : 38.2/28

Left Out: -0.008 ± 0.012 χ^2/NDF : 23.2/24

Right Out: 0.003 ± 0.009 χ^2/NDF : 70.1/33

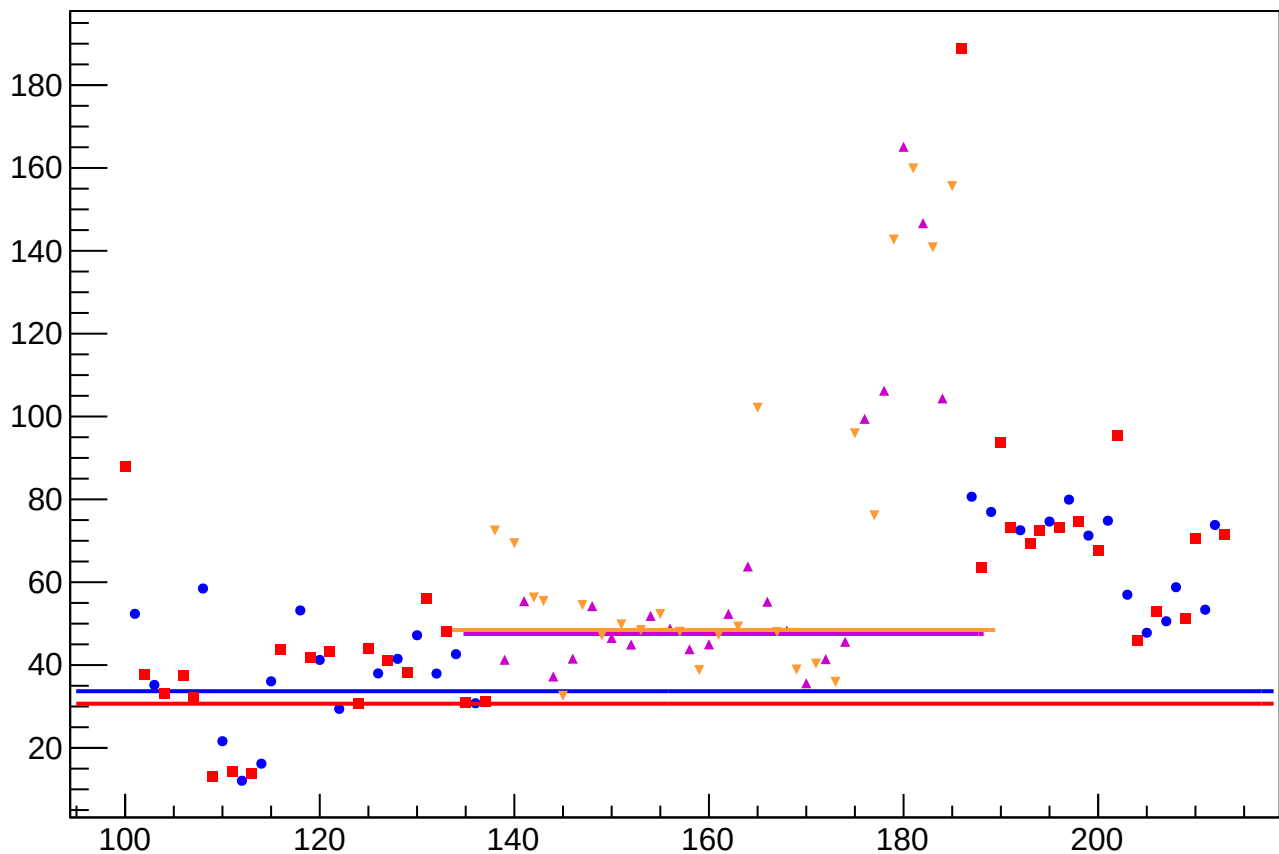
Left In: -0.007 ± 0.012 χ^2/NDF : 23.2/22

+ sign -0.000 ± 0.008 χ^2/NDF : 62.2/53

All: -0.000 ± 0.005 χ^2/NDF : 156.0/110

- sign -0.001 ± 0.007 χ^2/NDF : 93.9/56

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.691+/-0.007 χ^2/NDF : 8533978.6/28

Left Out: 48.471+/-0.008 χ^2/NDF : 4373812.0/24

Right Out: 30.673+/-0.006 χ^2/NDF : 11178230.1/33

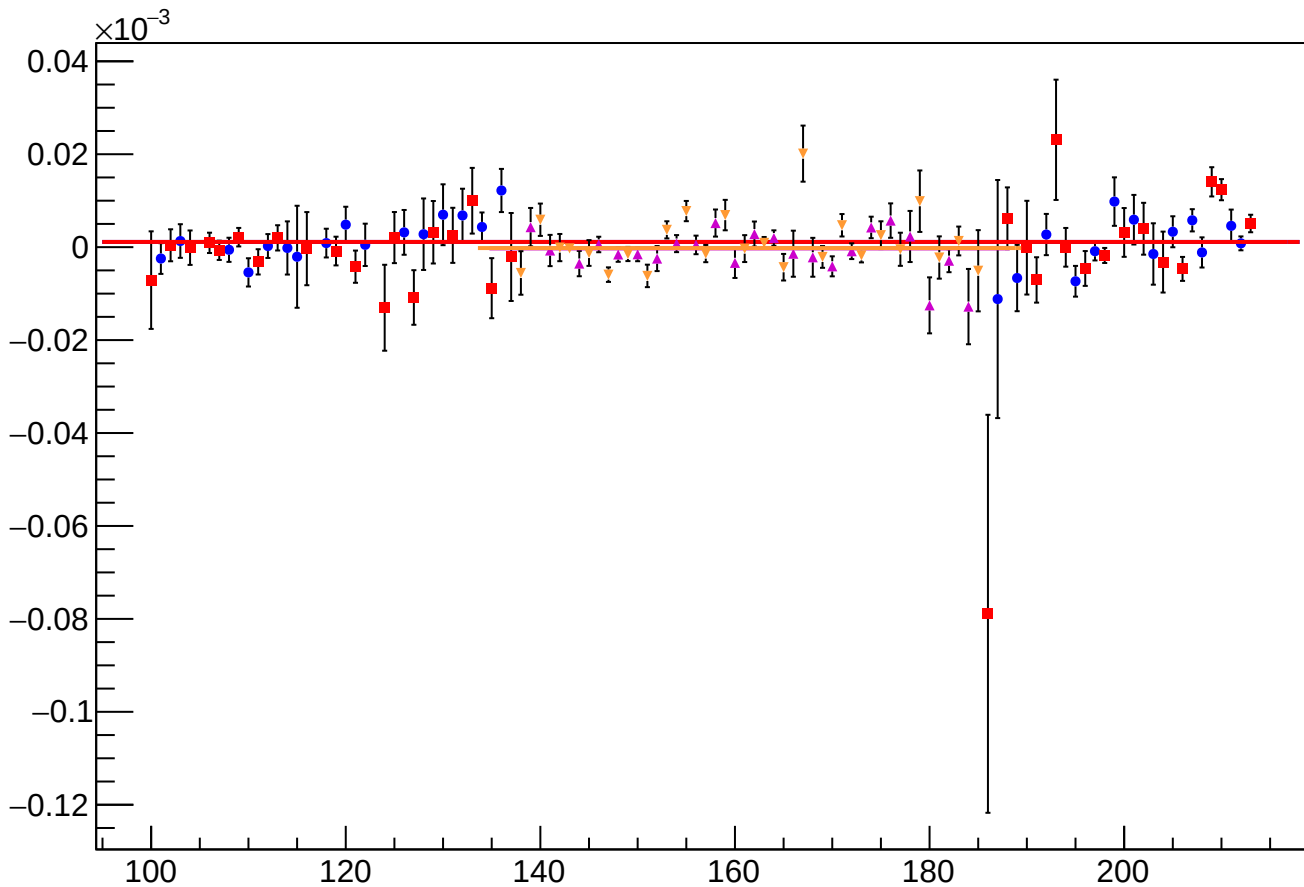
Left In: 47.505+/-0.009 χ^2/NDF : 3075161.5/22

+ sign 39.542+/-0.005 χ^2/NDF : 14738447.7/53

All: 37.939+/-0.004 χ^2/NDF : 31714515.5/110

- sign 36.525+/-0.005 χ^2/NDF : 16806565.6/56

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.7/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 71.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 85.0/33

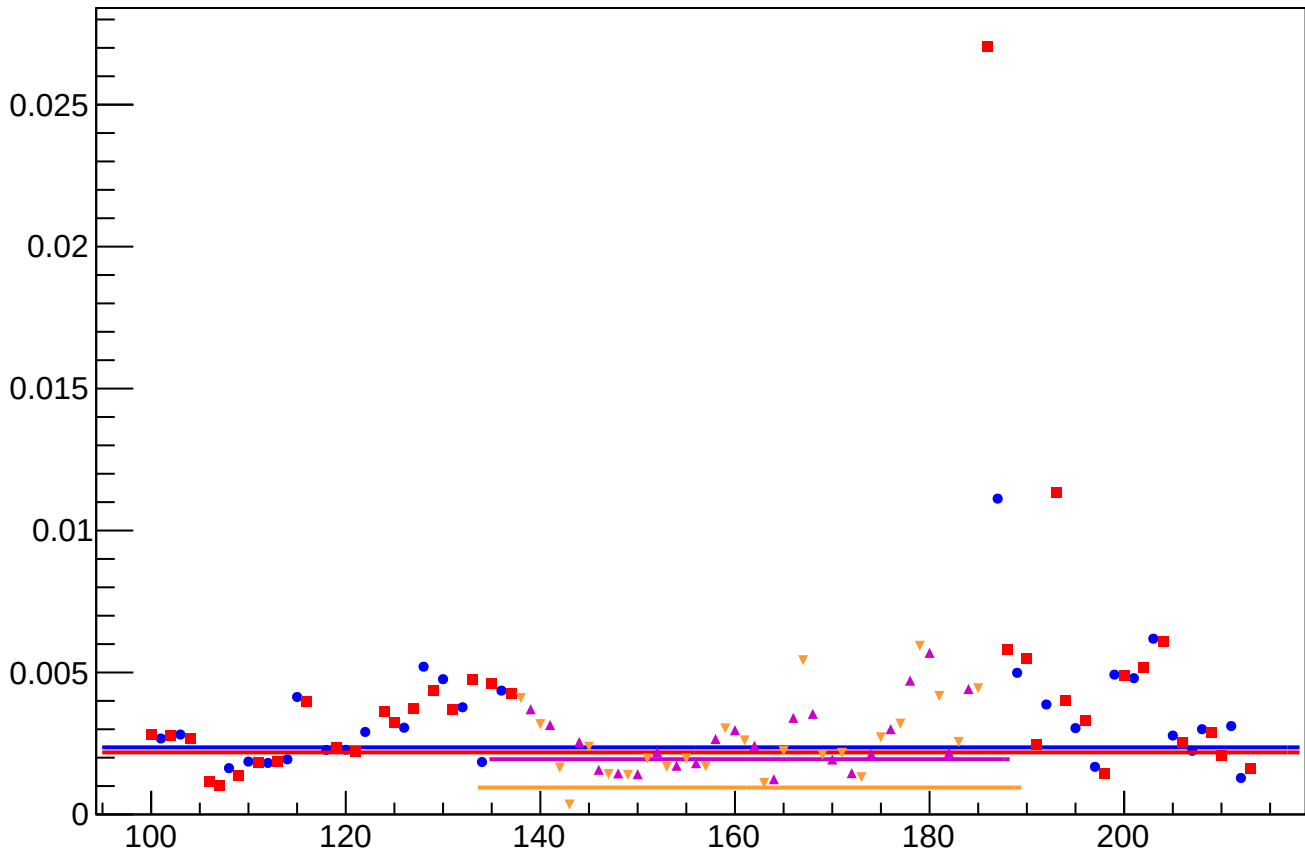
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 109.9/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 229.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 119.2/56

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5448671.7/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:17608951.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8540235.5/33

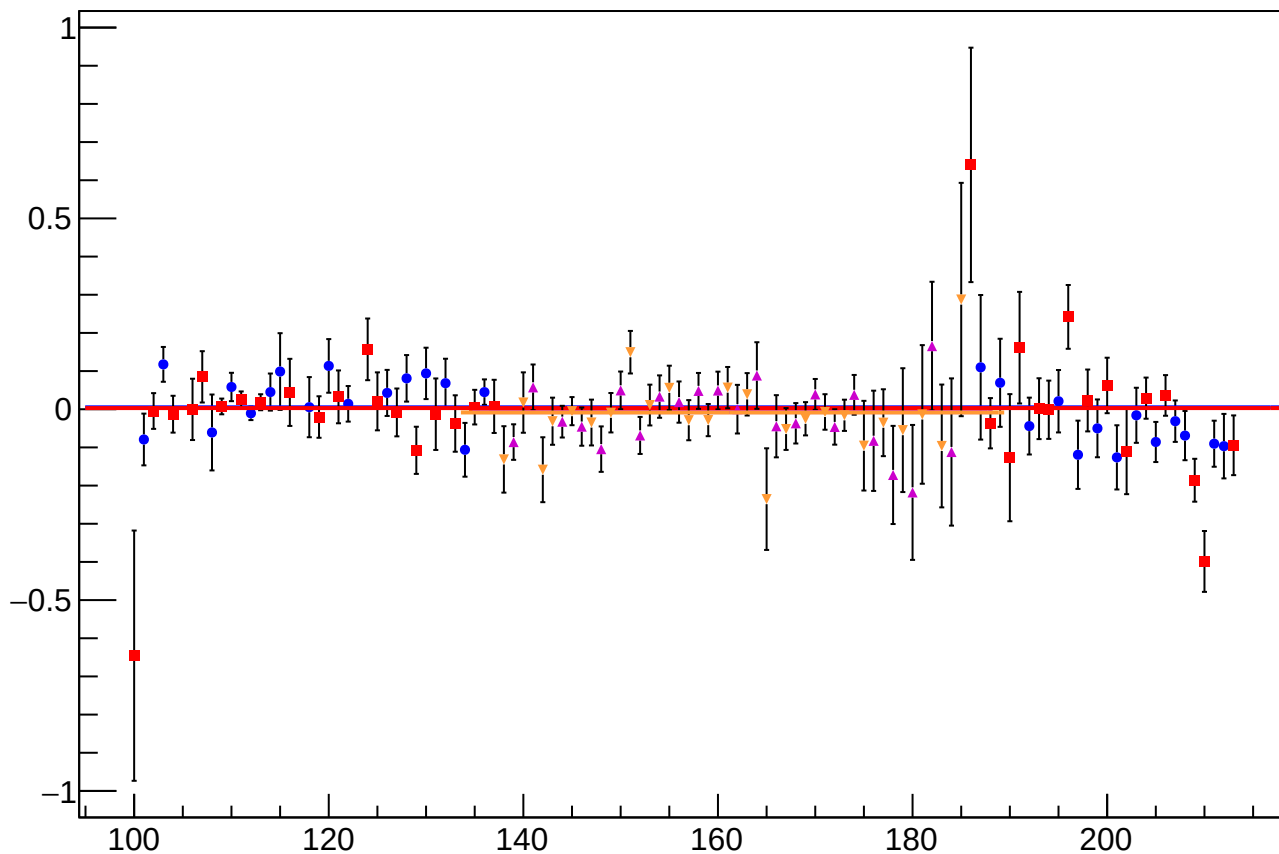
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4362371.5/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 31219461.5/53

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 50776811.4/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13097179.1/56

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.010 χ^2 /NDF: 38.2/28

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.003 $\pm$ 0.009 χ^2 /NDF: 70.1/33

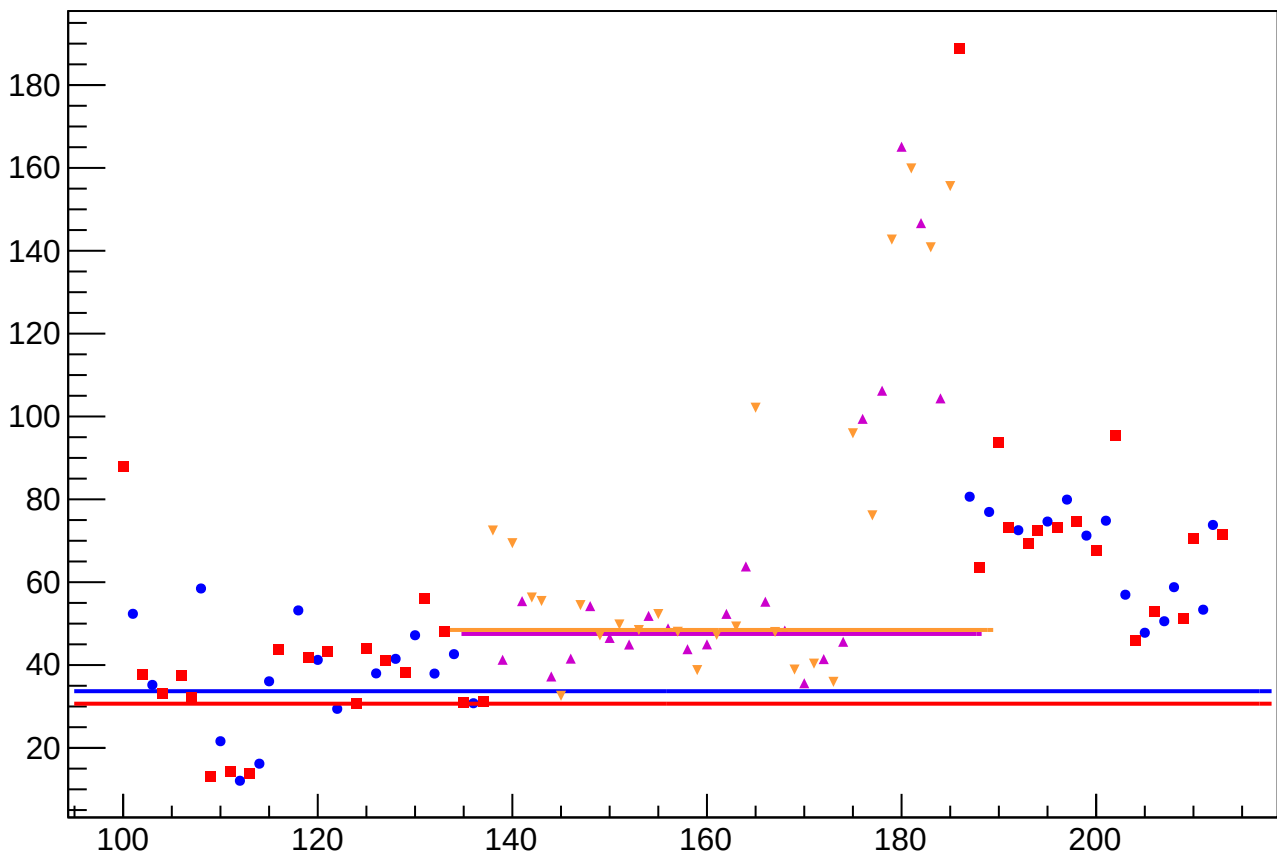
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign -0.000 $\pm$ 0.008 χ^2 /NDF: 62.2/53

All: -0.000 $\pm$ 0.005 χ^2 /NDF: 156.0/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 93.9/56

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.690+/-0.007 χ^2/NDF : 8534812.0/28

Left Out: 48.471+/-0.008 χ^2/NDF : 4373775.4/24

Right Out: 30.673+/-0.006 χ^2/NDF : 11178534.2/33

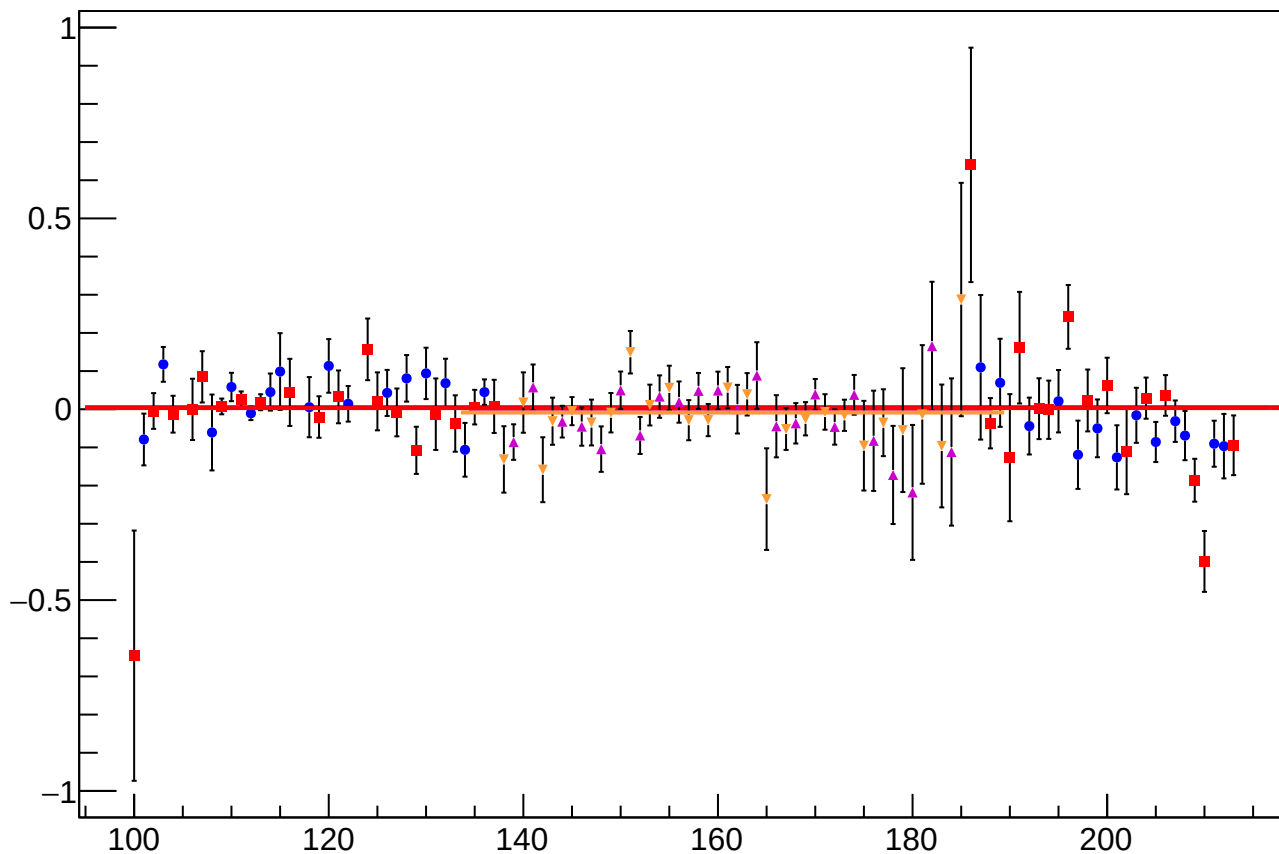
Left In: 47.505+/-0.009 χ^2/NDF : 3075116.0/22

+ sign 39.541+/-0.005 χ^2/NDF : 14739678.6/53

All: 37.939+/-0.004 χ^2/NDF : 31716104.6/110

- sign 36.525+/-0.005 χ^2/NDF : 16807002.8/56

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.010 χ^2 /NDF: 38.2/28

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF: 23.2/24

Right Out: 0.003 $\pm$ 0.009 χ^2 /NDF: 70.1/33

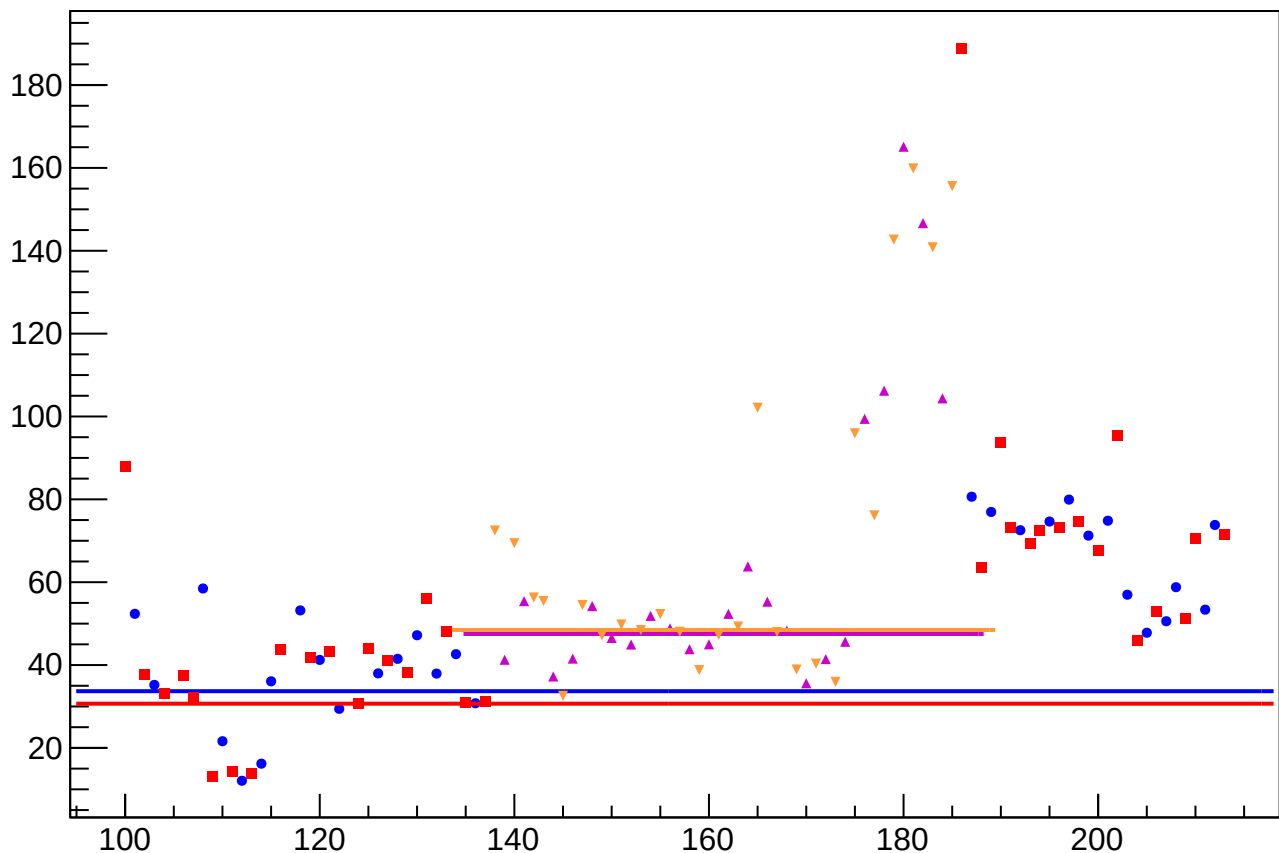
Left In: -0.007 $\pm$ 0.012 χ^2 /NDF: 23.2/22

+ sign -0.000 $\pm$ 0.008 χ^2 /NDF: 62.2/53

All: -0.000 $\pm$ 0.005 χ^2 /NDF: 156.0/110

- sign -0.001 $\pm$ 0.007 χ^2 /NDF: 93.9/56

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.690+/-0.007 χ^2/NDF : 8534812.0/28

Left Out: 48.471+/-0.008 χ^2/NDF : 4373775.4/24

Right Out: 30.673+/-0.006 χ^2/NDF : 11178534.2/33

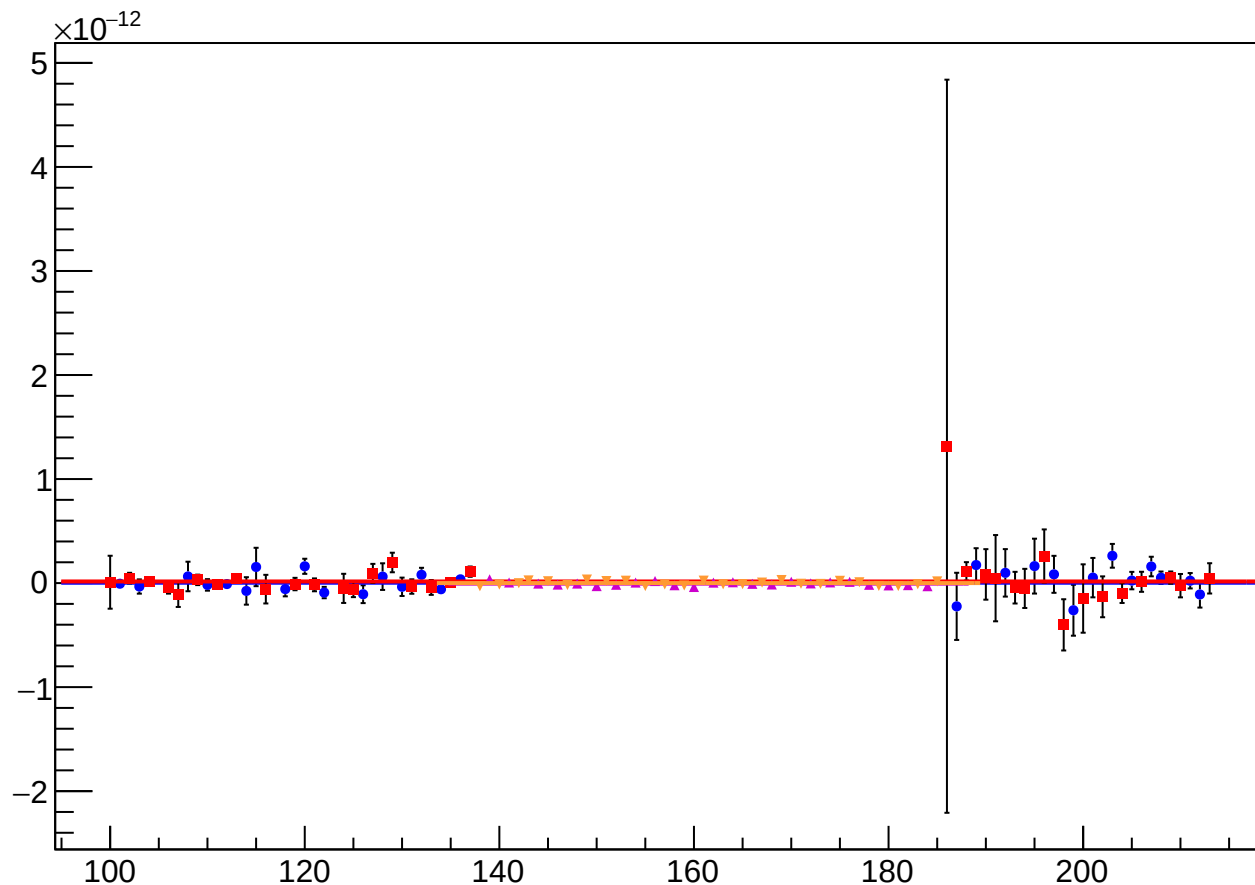
Left In: 47.505+/-0.009 χ^2/NDF : 3075116.0/22

+ sign 39.541+/-0.005 χ^2/NDF : 14739678.6/53

All: 37.939+/-0.004 χ^2/NDF : 31716104.6/110

- sign 36.525+/-0.005 χ^2/NDF : 16807002.8/56

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/33

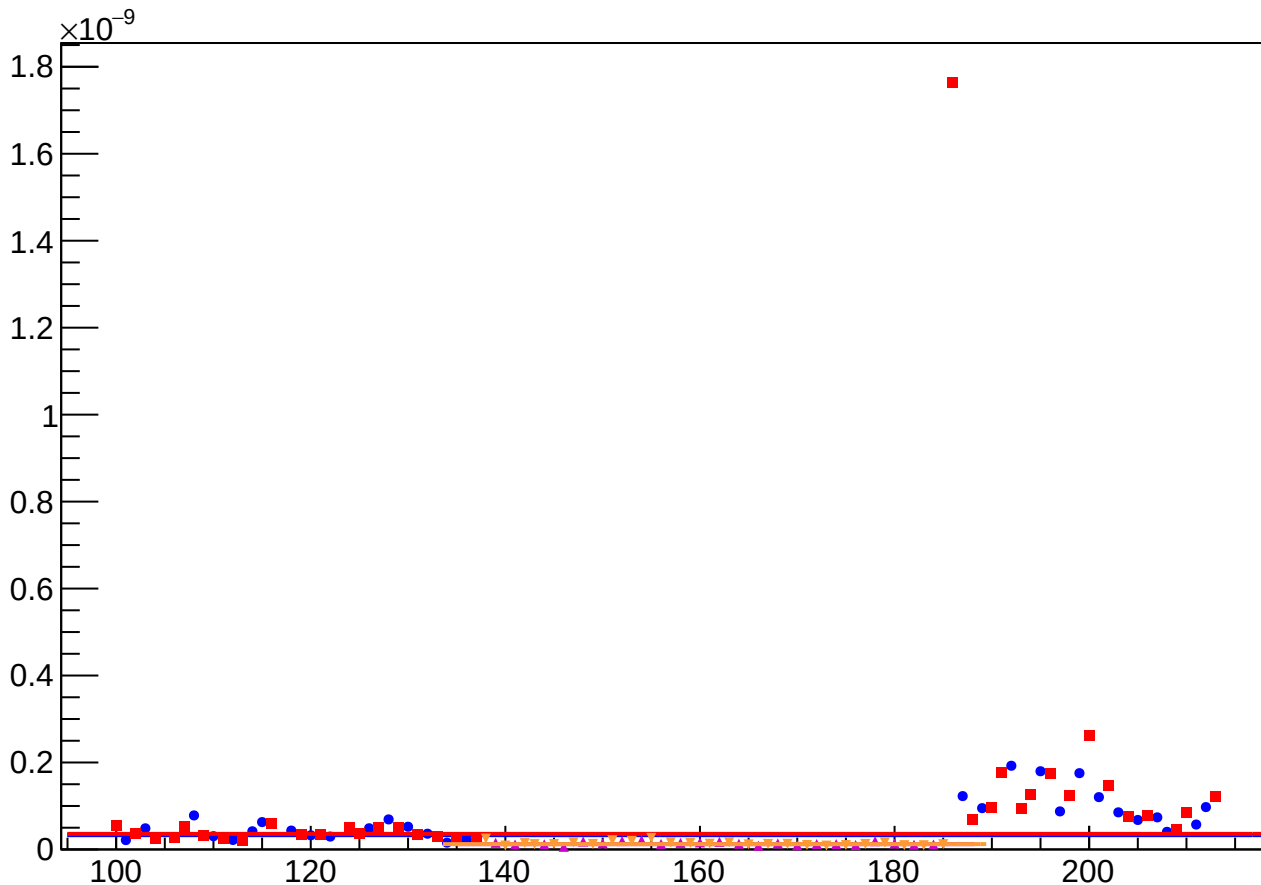
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.9/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 109.6/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/56

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7458088.5/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1915201.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7637968.0/33

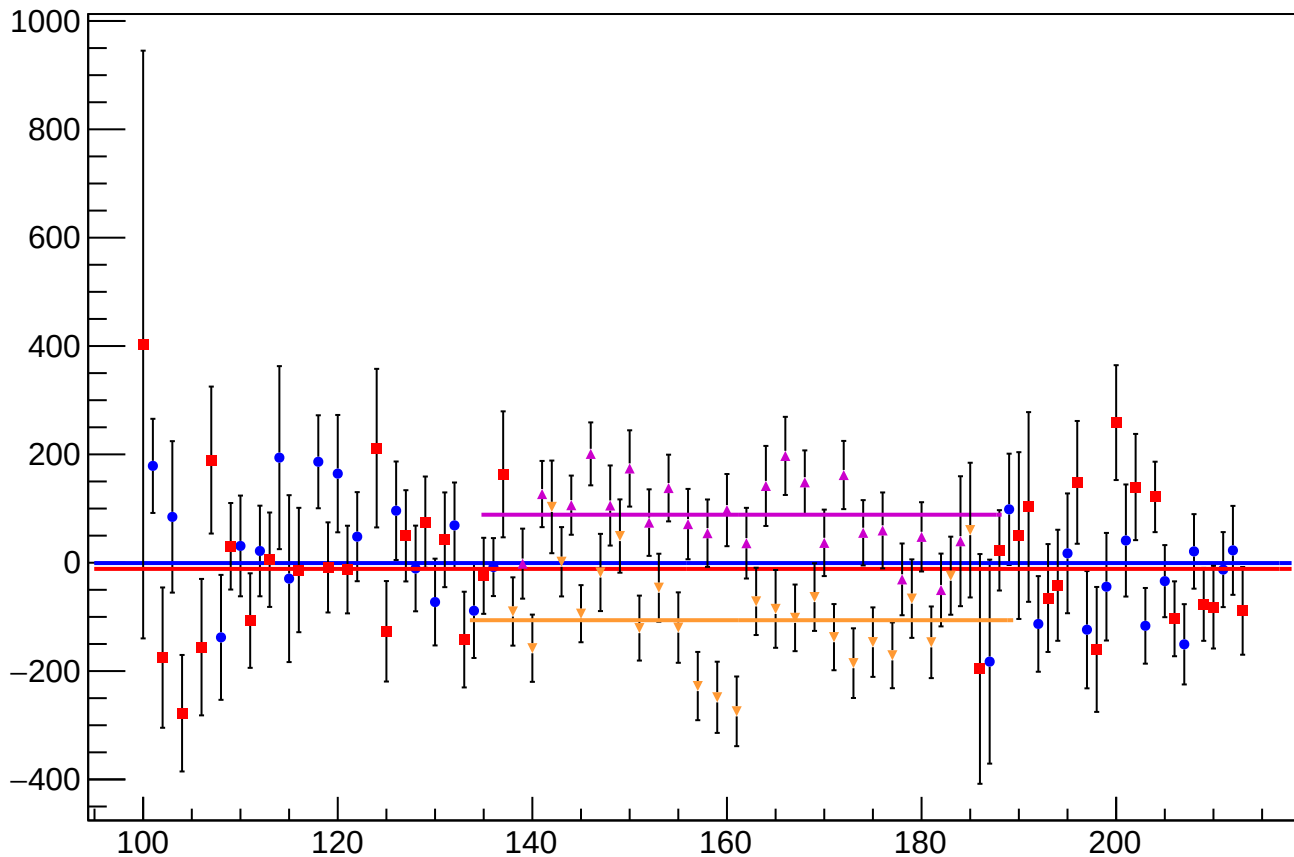
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1925839.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15009493.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31340407.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16329137.5/56

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -0.634 ± 16.147 χ^2/NDF : 31.2/28

Left Out: -106.100 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -11.390 ± 16.111 χ^2/NDF : 46.7/33

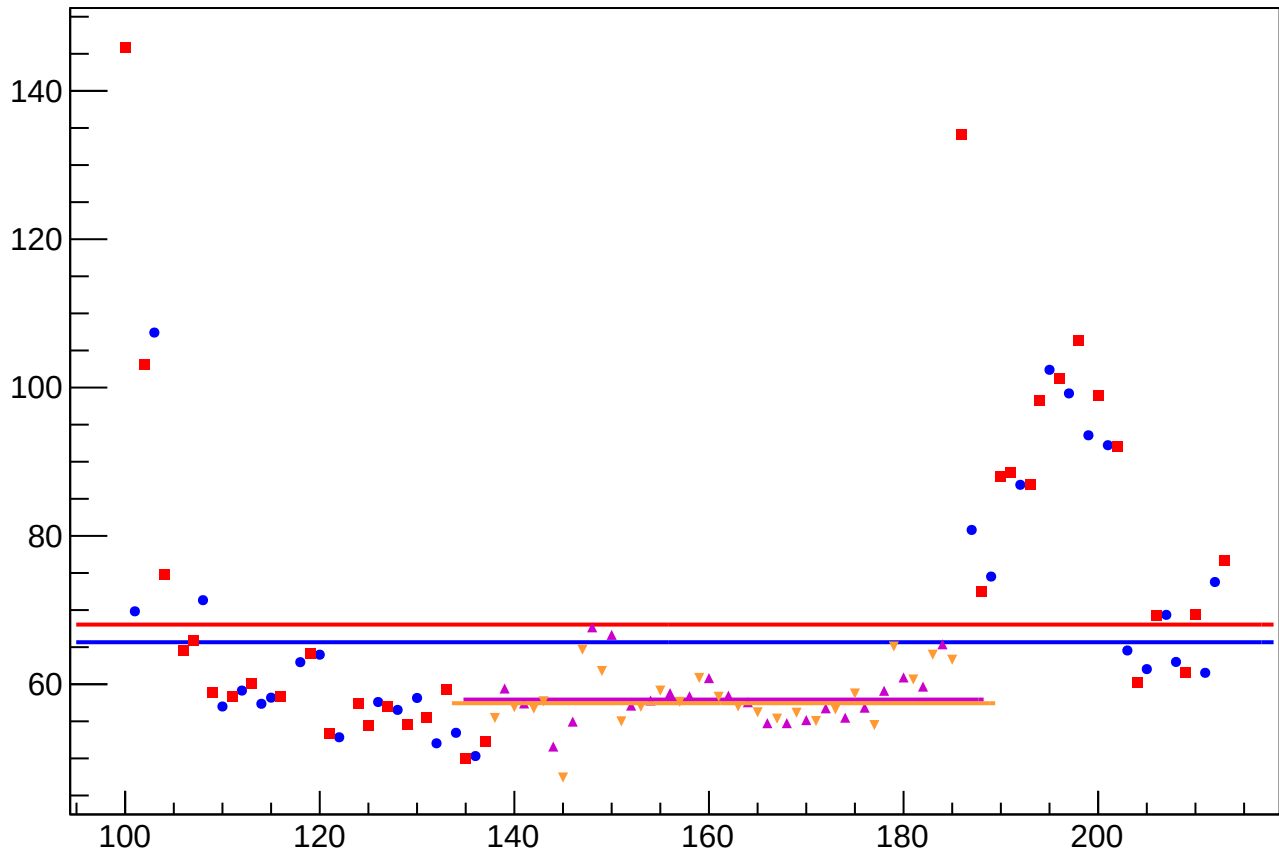
Left In: 88.619 ± 13.566 χ^2/NDF : 23.9/22

+ sign -64.277 ± 10.168 χ^2/NDF : 97.7/53

All: -9.710 ± 7.263 χ^2/NDF : 249.7/110

- sign 47.127 ± 10.377 χ^2/NDF : 93.2/56

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.664 $\pm$ 0.011 χ^2 /NDF: 1487928.4/28

Left Out: 57.440 $\pm$ 0.009 χ^2 /NDF: 174555.9/24

Right Out: 68.043 $\pm$ 0.011 χ^2 /NDF: 1980858.5/33

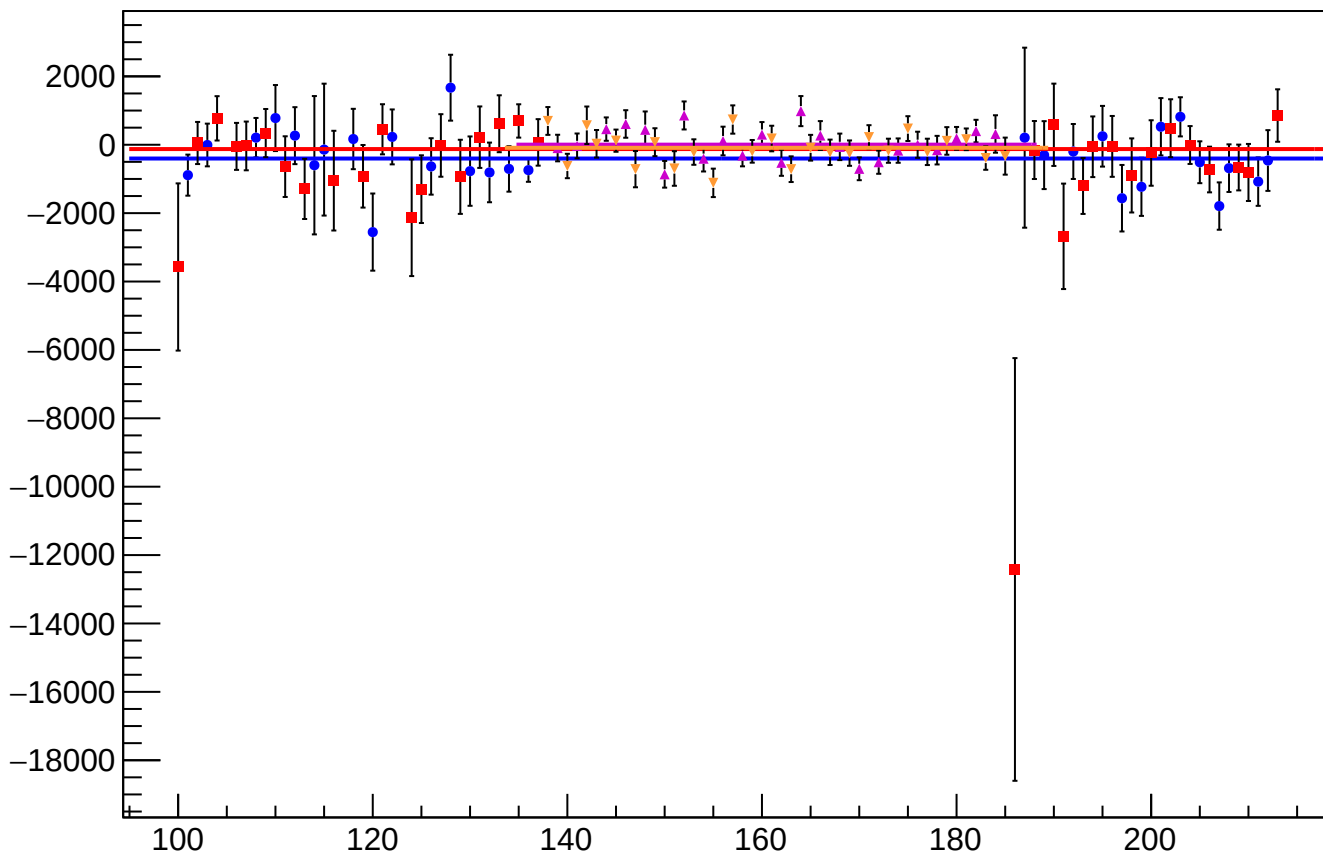
Left In: 57.933 $\pm$ 0.010 χ^2 /NDF: 135903.0/22

+ sign 60.701 $\pm$ 0.007 χ^2 /NDF: 1975524.1/53

All: 61.400 $\pm$ 0.005 χ^2 /NDF: 4572397.8/110

- sign 62.127 $\pm$ 0.007 χ^2 /NDF: 2577604.1/56

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -402.718 ± 139.177 χ^2/NDF : 29.2/28

Left Out: -89.059 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -126.060 ± 140.593 χ^2/NDF : 29.2/33

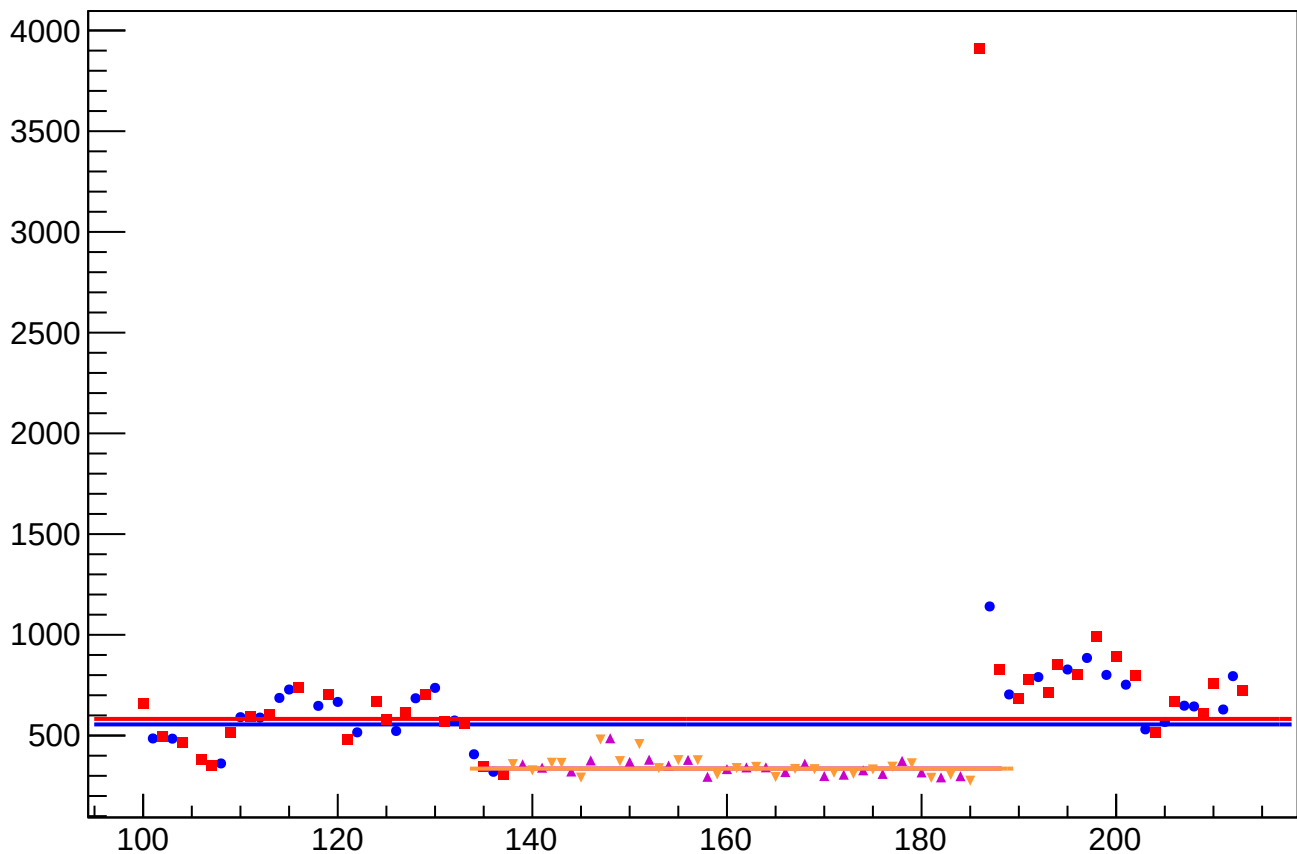
Left In: 3.046 ± 79.193 χ^2/NDF : 33.6/22

+ sign -162.583 ± 67.383 χ^2/NDF : 63.0/53

All: -96.911 ± 48.209 χ^2/NDF : 128.4/110

- sign -28.051 ± 69.000 χ^2/NDF : 63.4/56

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 555.194 $\pm$ 0.098 χ^2 /NDF: 2759192.0/28

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.0/24

Right Out: 582.540 $\pm$ 0.099 χ^2 /NDF: 3437696.2/33

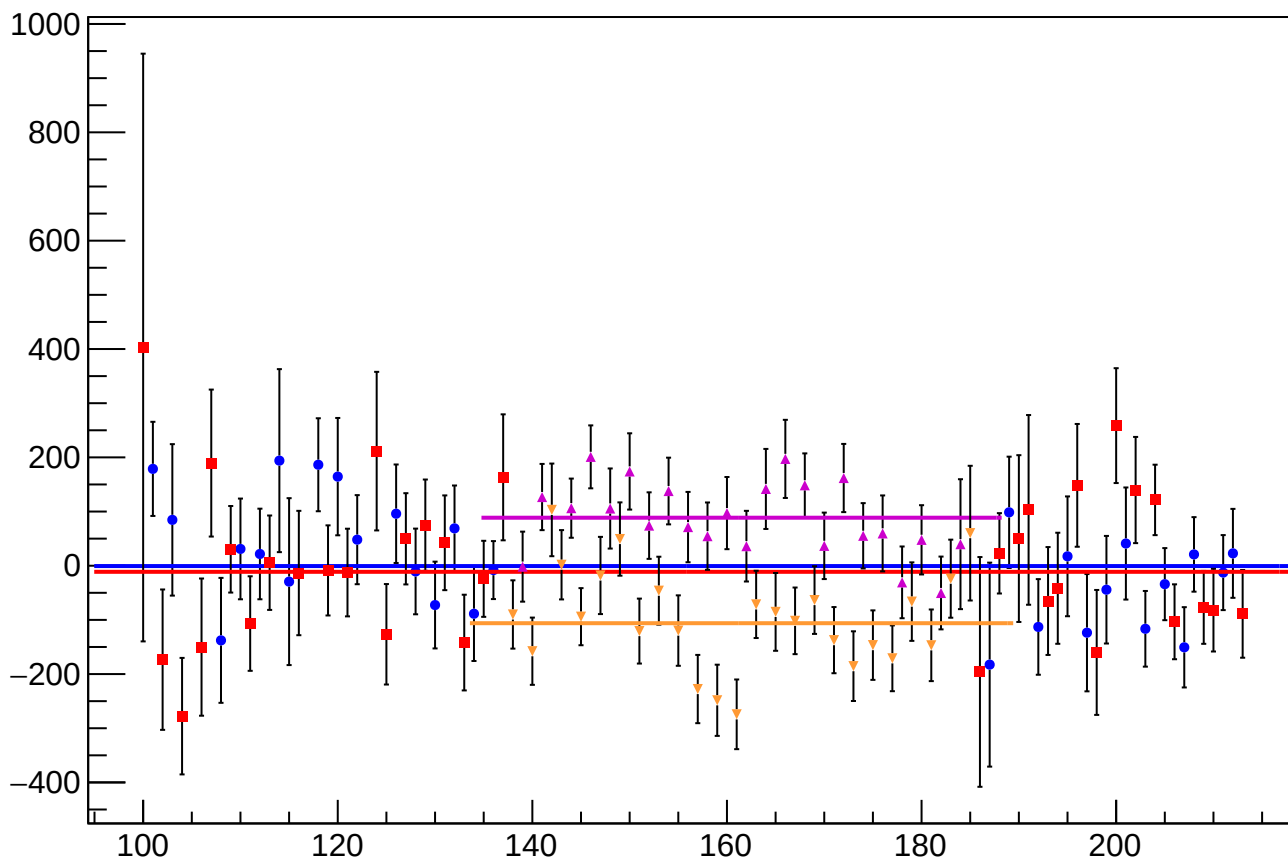
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414202.1/22

+ sign 387.300 $\pm$ 0.048 χ^2 /NDF: 7094663.2/53

All: 391.372 $\pm$ 0.034 χ^2 /NDF: 15617219.7/11

- sign 395.642 $\pm$ 0.049 χ^2 /NDF: 8507591.4/56

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.639 ± 16.147 χ^2/NDF : 31.3/28

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -11.242 ± 16.112 χ^2/NDF : 46.6/33

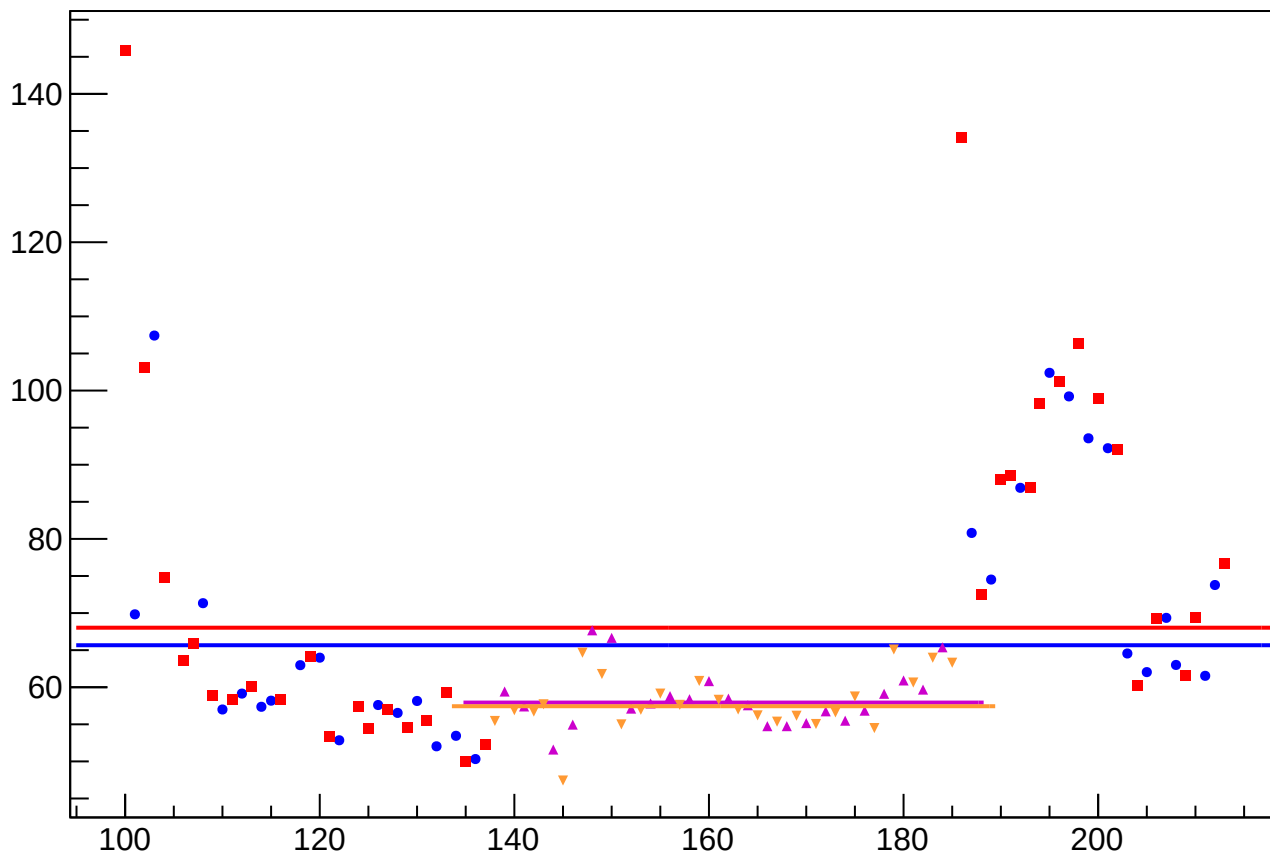
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -64.279 ± 10.168 χ^2/NDF : 97.7/53

All: -9.680 ± 7.263 χ^2/NDF : 249.5/110

- sign 47.194 ± 10.378 χ^2/NDF : 93.0/56

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.664 $\pm$ 0.011 χ^2 /NDF: 1487930.4/28

Left Out: 57.440 $\pm$ 0.009 χ^2 /NDF: 174555.9/24

Right Out: 68.028 $\pm$ 0.011 χ^2 /NDF: 1982022.9/33

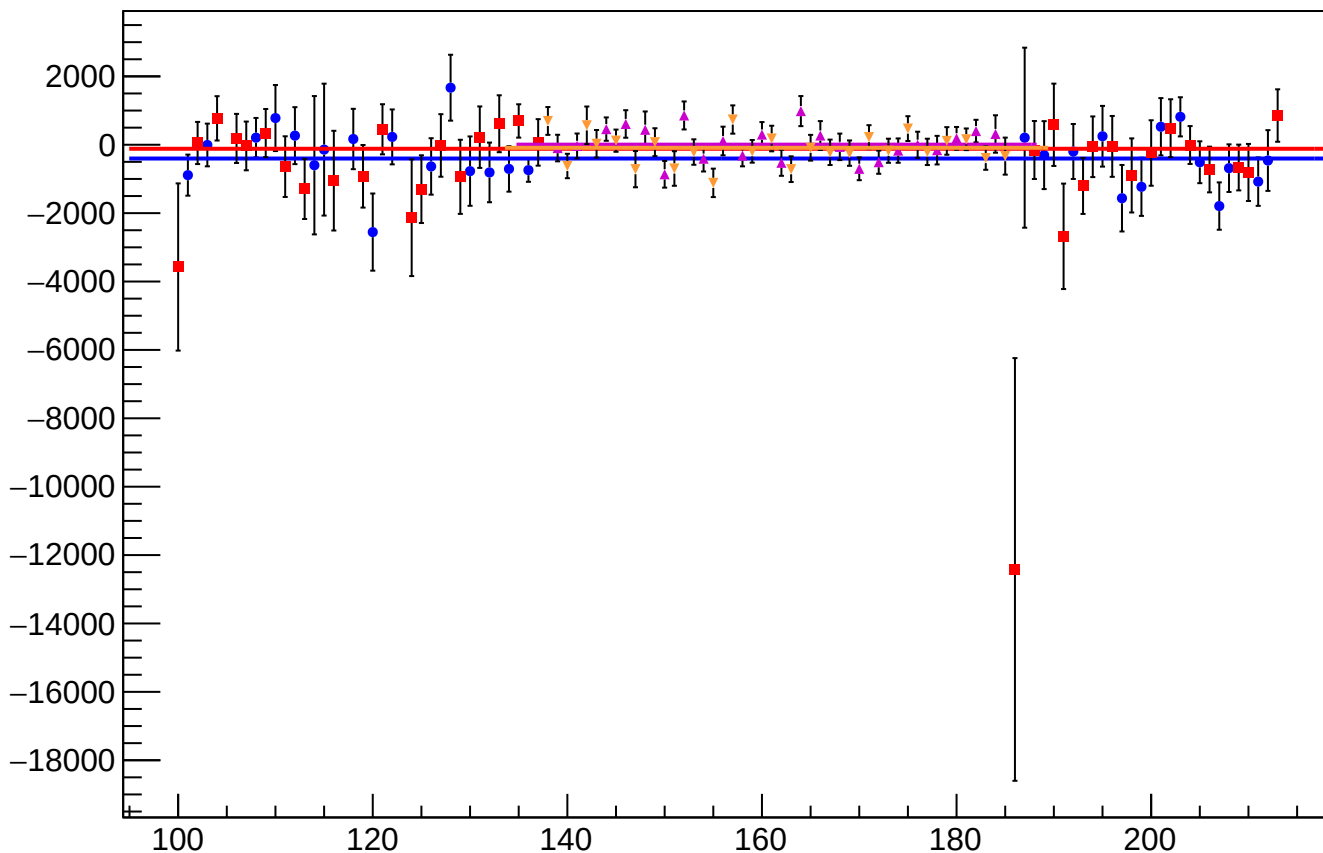
Left In: 57.933 $\pm$ 0.010 χ^2 /NDF: 135903.0/22

+ sign 60.701 $\pm$ 0.007 χ^2 /NDF: 1975526.2/53

All: 61.396 $\pm$ 0.005 χ^2 /NDF: 4571947.0/110

- sign 62.120 $\pm$ 0.007 χ^2 /NDF: 2577334.5/56

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -402.700 ± 139.177 χ^2/NDF : 29.2/28

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -117.396 ± 140.849 χ^2/NDF : 29.4/33

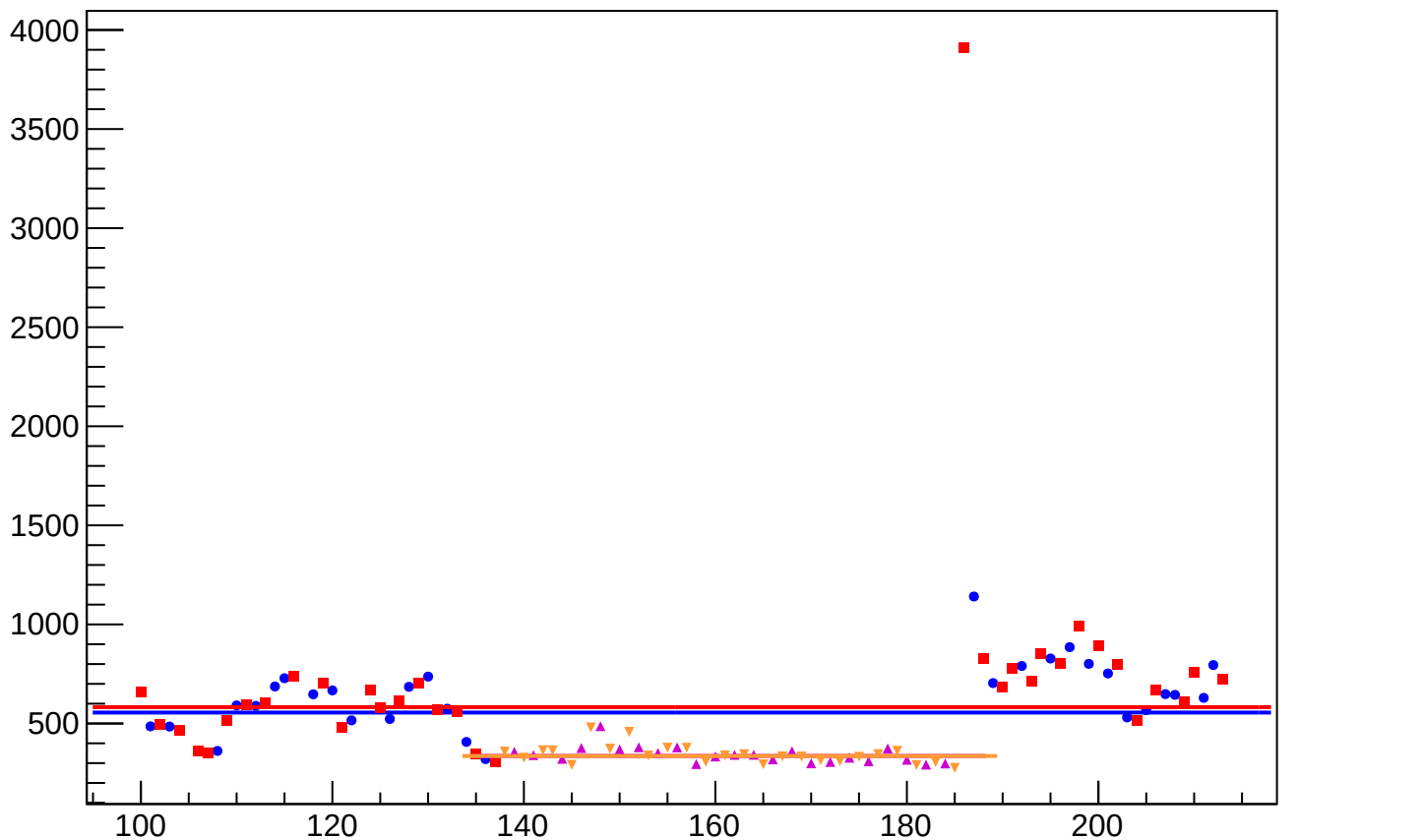
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -162.580 ± 67.383 χ^2/NDF : 63.0/53

All: -95.881 ± 48.219 χ^2/NDF : 128.5/110

- sign -25.883 ± 69.030 χ^2/NDF : 63.5/56

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 555.196 $\pm$ 0.098 χ^2 /NDF: 2759161.1/28

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.9/24

Right Out: 582.478 $\pm$ 0.100 χ^2 /NDF: 3457120.8/33

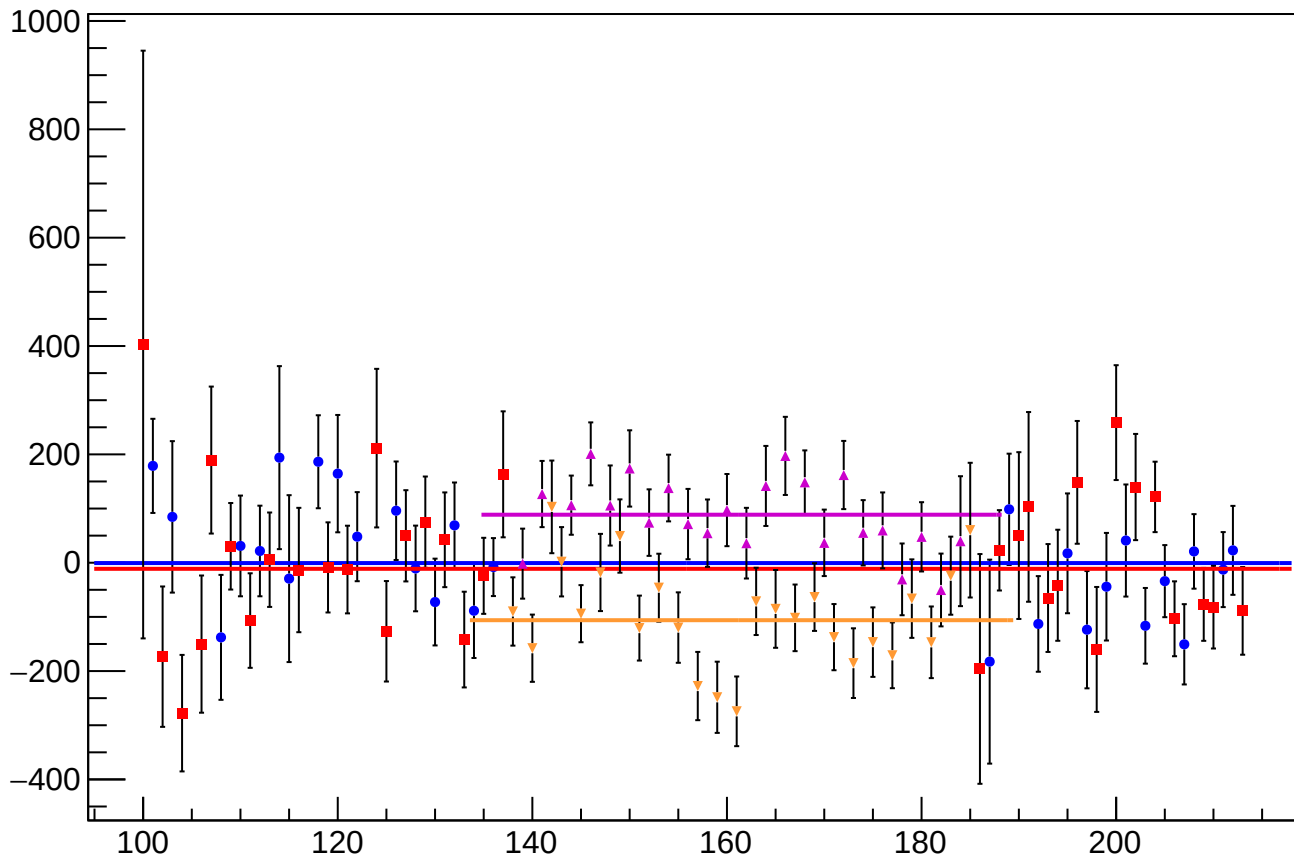
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414205.9/22

+ sign 387.300 $\pm$ 0.048 χ^2 /NDF: 7094687.5/53

All: 391.283 $\pm$ 0.034 χ^2 /NDF: 15620892.9/1

- sign 395.464 $\pm$ 0.049 χ^2 /NDF: 8511879.9/56

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.639 ± 16.147 χ^2/NDF : 31.3/28

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -11.242 ± 16.112 χ^2/NDF : 46.6/33

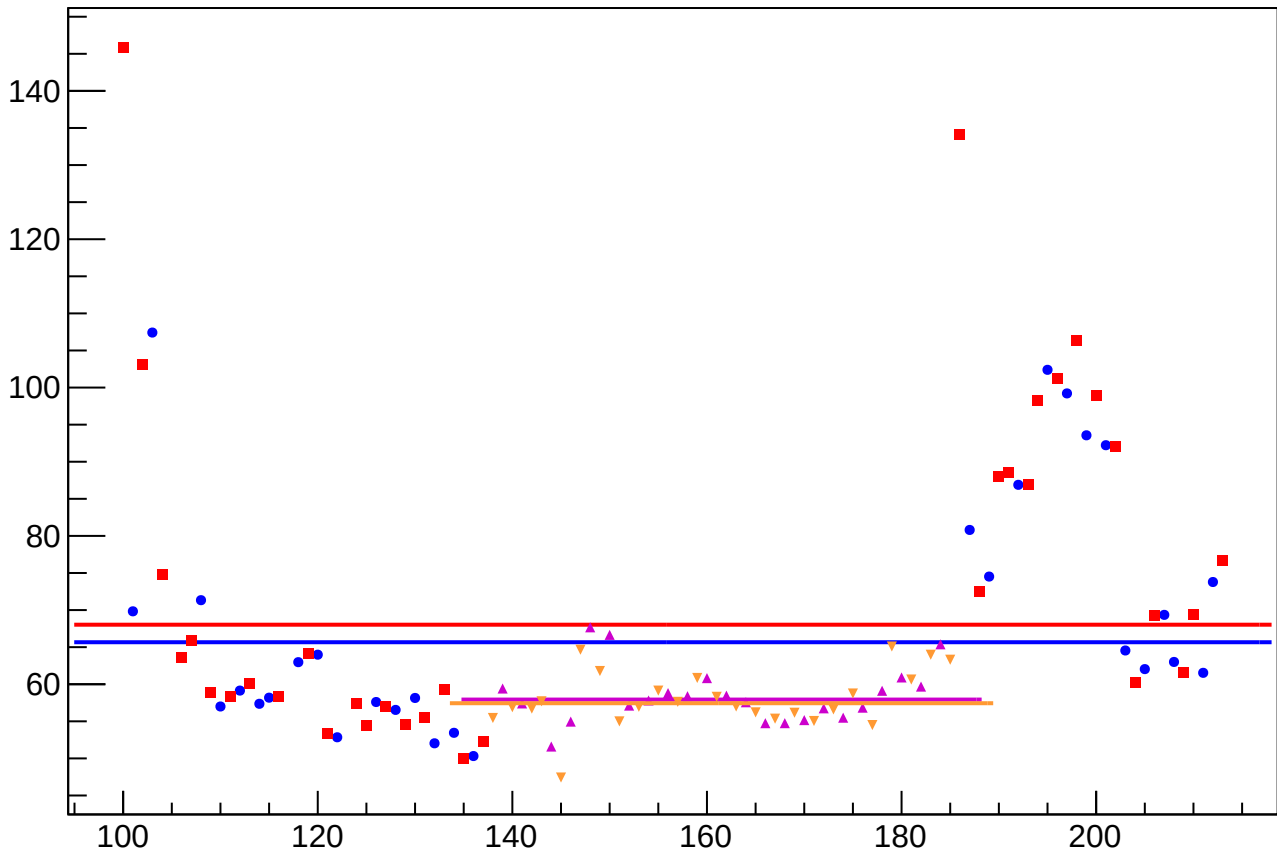
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -64.279 ± 10.168 χ^2/NDF : 97.7/53

All: -9.680 ± 7.263 χ^2/NDF : 249.5/110

- sign 47.194 ± 10.378 χ^2/NDF : 93.0/56

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.664 ± 0.011 χ^2/NDF : 1487930.4/28

Left Out: 57.440 ± 0.009 χ^2/NDF : 174555.9/24

Right Out: 68.028 ± 0.011 χ^2/NDF : 1982022.9/33

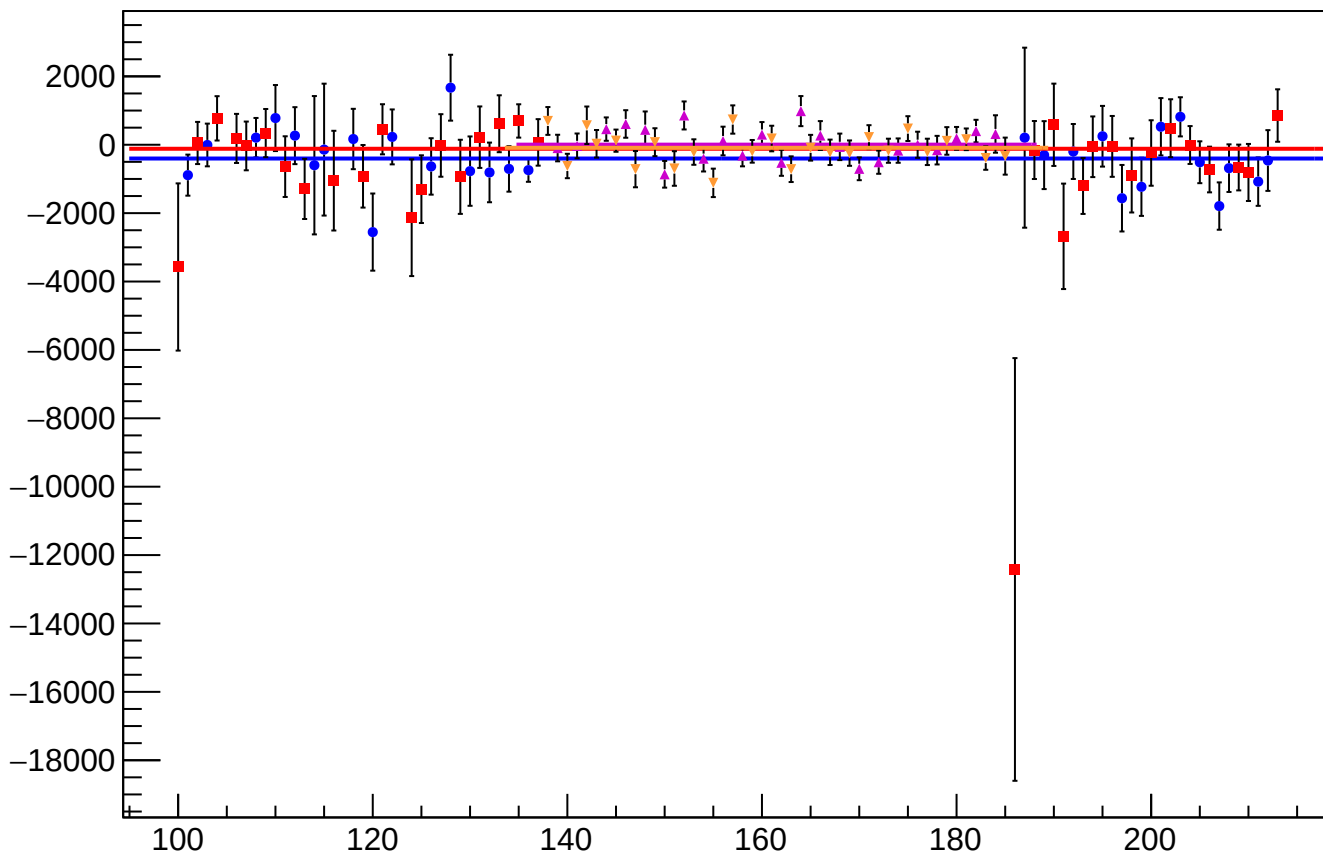
Left In: 57.933 ± 0.010 χ^2/NDF : 135903.0/22

+ sign 60.701 ± 0.007 χ^2/NDF : 1975526.2/53

All: 61.396 ± 0.005 χ^2/NDF : 4571947.0/110

- sign 62.120 ± 0.007 χ^2/NDF : 2577334.5/56

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -402.700 ± 139.177 χ^2/NDF : 29.2/28

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: -117.396 ± 140.849 χ^2/NDF : 29.4/33

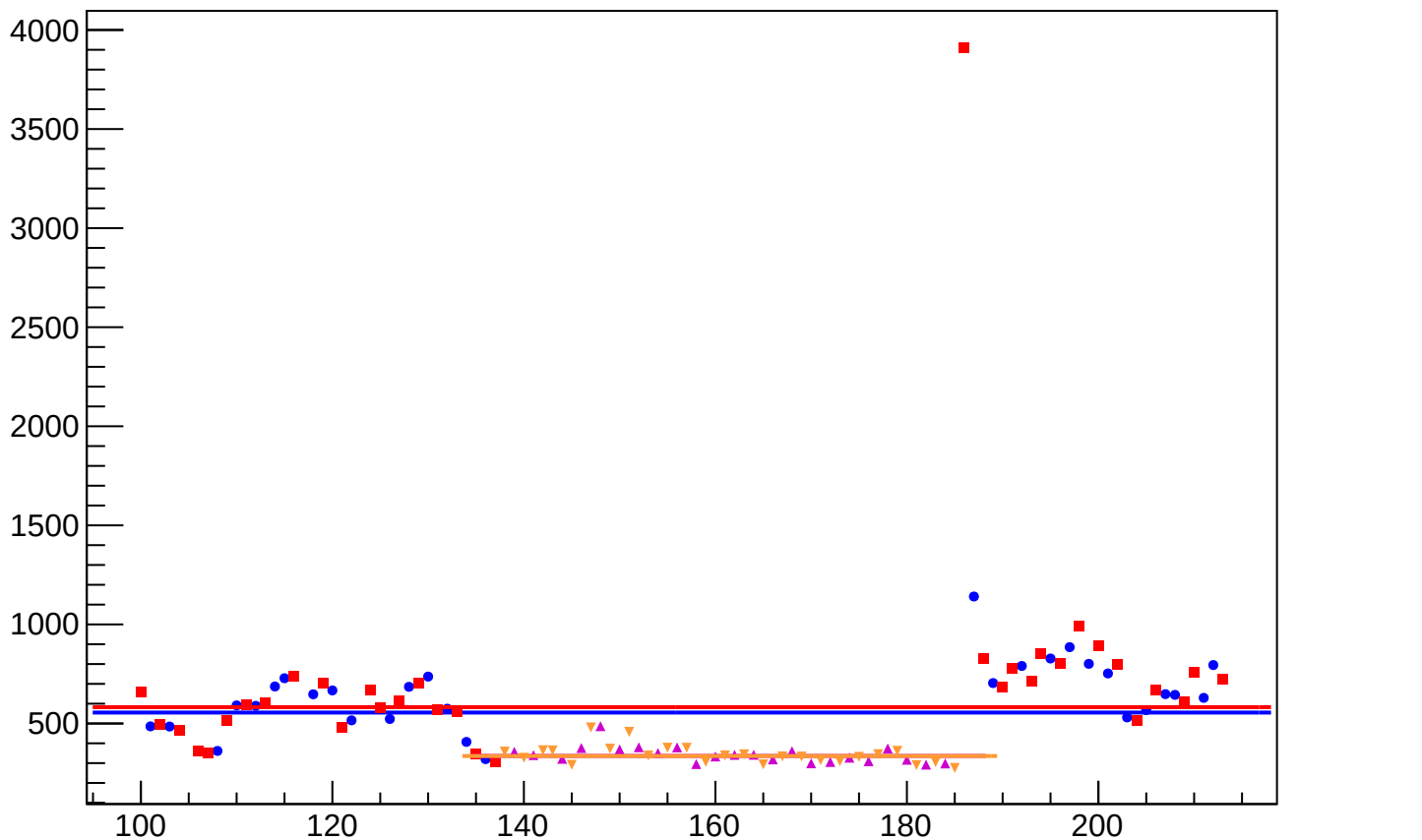
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -162.580 ± 67.383 χ^2/NDF : 63.0/53

All: -95.881 ± 48.219 χ^2/NDF : 128.5/110

- sign -25.883 ± 69.030 χ^2/NDF : 63.5/56

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 555.196 $\pm$ 0.098 χ^2/NDF : 2759161.1/28

Left Out: 335.894 $\pm$ 0.054 χ^2/NDF : 533835.9/24

Right Out: 582.478 $\pm$ 0.100 χ^2/NDF : 3457120.8/33

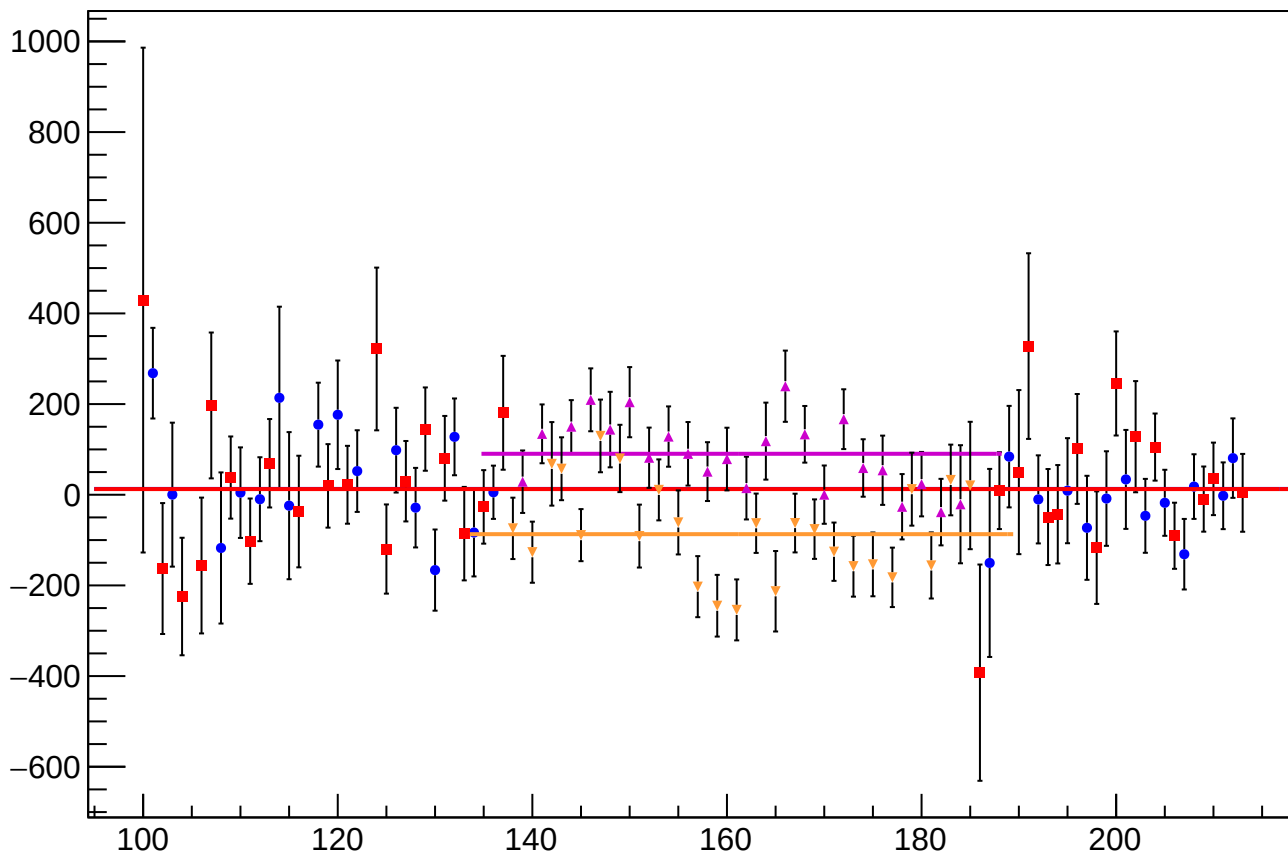
Left In: 336.343 $\pm$ 0.056 χ^2/NDF : 414205.9/22

+ sign 387.300 $\pm$ 0.048 χ^2/NDF : 7094687.5/53

All: 391.283 $\pm$ 0.034 χ^2/NDF : 15620892.9/11

- sign 395.464 $\pm$ 0.049 χ^2/NDF : 8511879.9/56

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 12.832 ± 17.621 $\chi^2/\text{NDF}: 27.1/28$

Left Out: -86.957 ± 14.175 $\chi^2/\text{NDF}: 48.8/24$

Right Out: 12.493 ± 17.751 $\chi^2/\text{NDF}: 36.7/33$

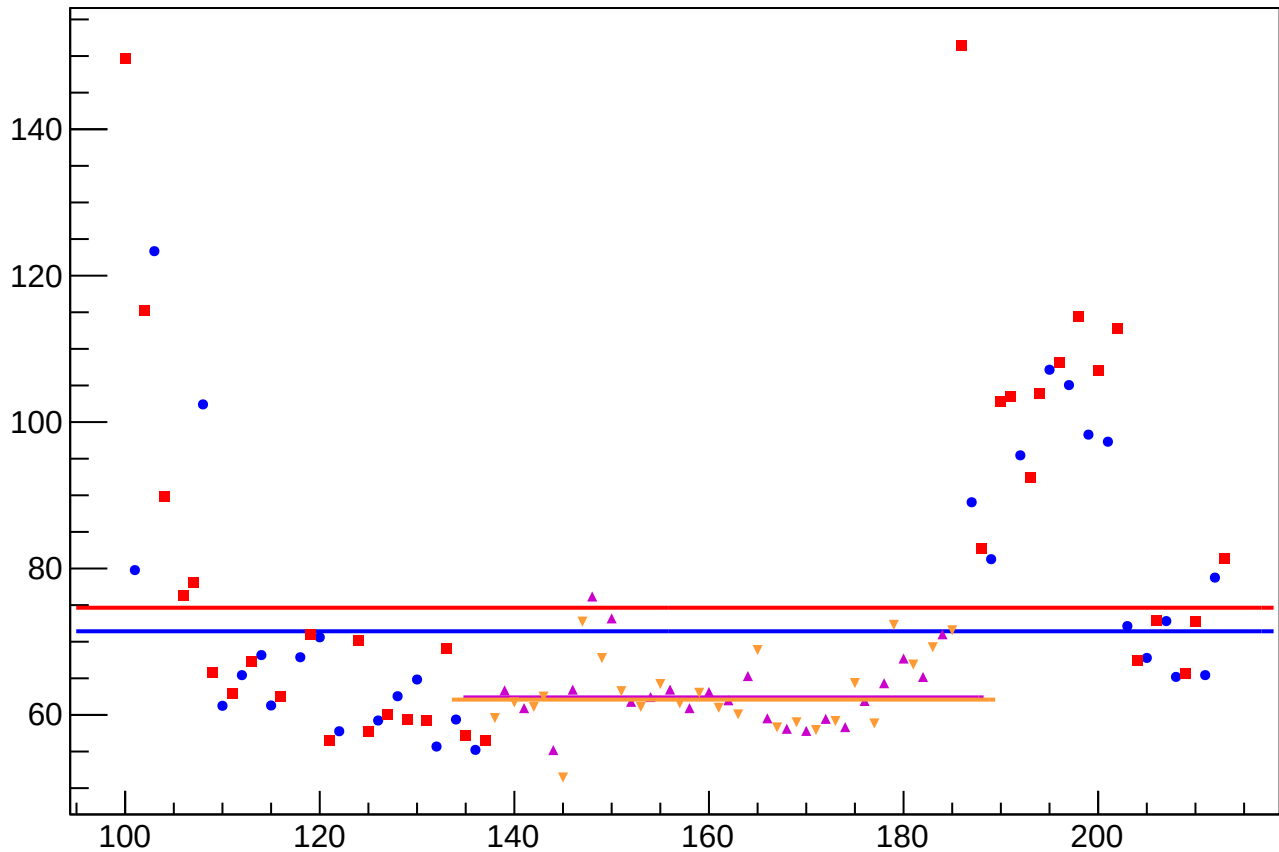
Left In: 90.363 ± 14.656 $\chi^2/\text{NDF}: 25.0/22$

+ sign -47.753 ± 11.045 $\chi^2/\text{NDF}: 95.3/53$

All: 4.296 ± 7.899 $\chi^2/\text{NDF}: 214.0/110$

- sign 58.796 ± 11.302 $\chi^2/\text{NDF}: 73.2/56$

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.426+/-0.012 χ^2/NDF : 1508545.8/28

Left Out: 62.093+/-0.010 χ^2/NDF :233343.0/24

Right Out: 74.642+/-0.013 χ^2/NDF : 2052804.0/33

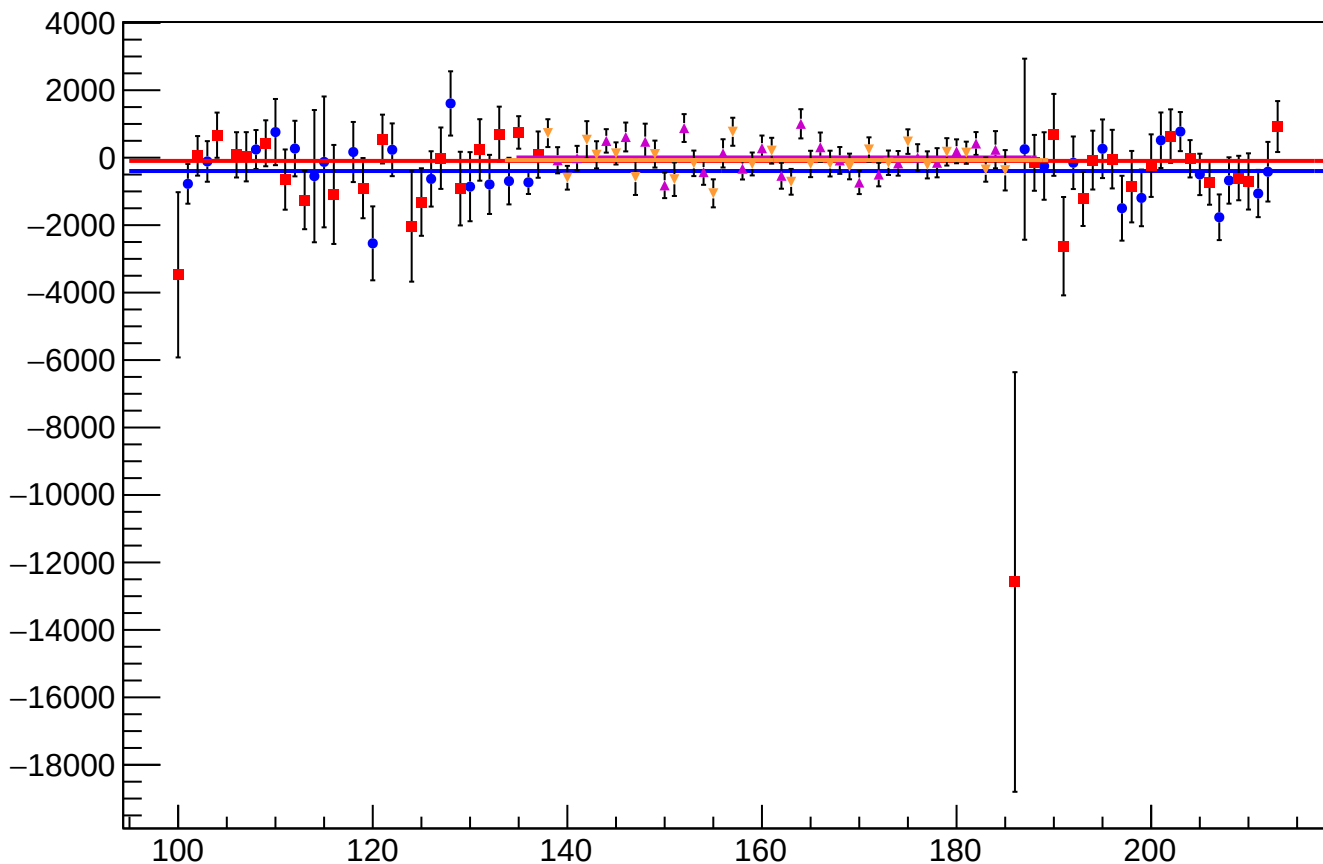
Left In: 62.395+/-0.010 χ^2/NDF :188814.3/22

+ sign 65.760+/-0.008 χ^2/NDF : 2082536.4/53

All: 66.541+/-0.006 χ^2/NDF : 4910724.1/110

- sign 67.360+/-0.008 χ^2/NDF : 2807688.4/56

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -395.271 ± 138.560 χ^2/NDF : 28.3/28

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: -95.657 ± 138.840 χ^2/NDF : 30.6/33

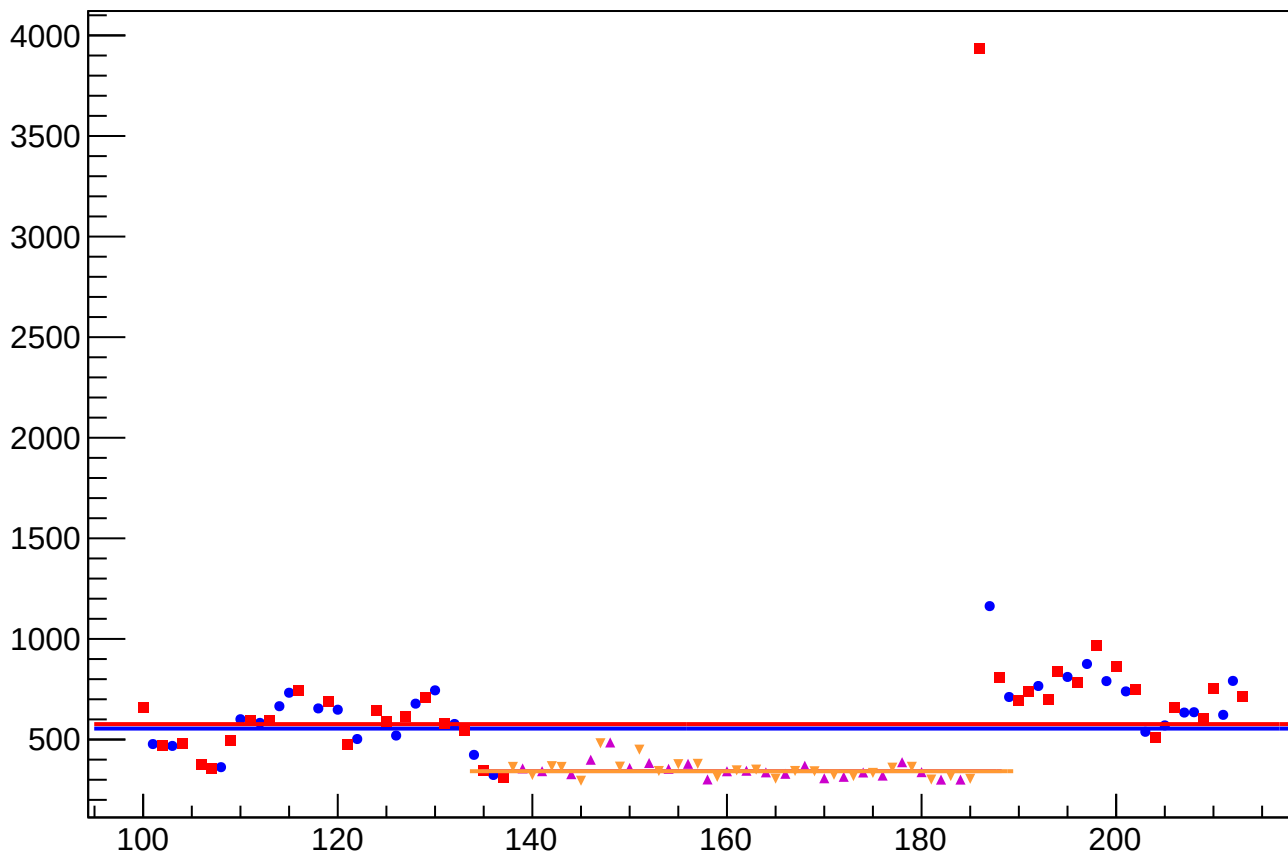
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -149.884 ± 68.234 χ^2/NDF : 61.0/53

All: -86.228 ± 48.796 χ^2/NDF : 127.9/110

- sign -19.600 ± 69.809 χ^2/NDF : 65.1/56

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 554.396 $\pm$ 0.098 χ^2 /NDF: 2625626.1/28

Left Out: 342.502 $\pm$ 0.055 χ^2 /NDF: 434208.3/24

Right Out: 576.560 $\pm$ 0.098 χ^2 /NDF: 3300071.7/33

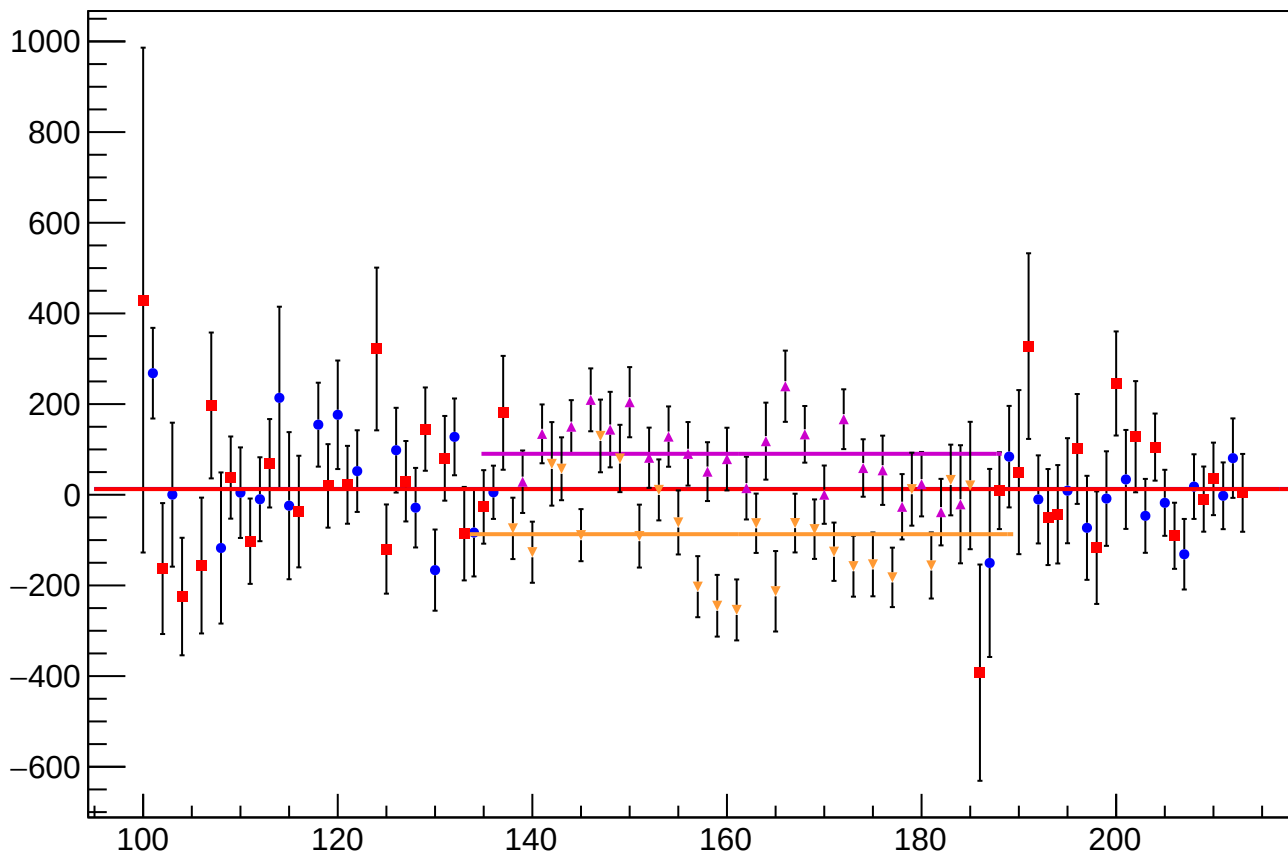
Left In: 343.245 $\pm$ 0.057 χ^2 /NDF: 372991.6/22

+ sign 393.888 $\pm$ 0.048 χ^2 /NDF: 6602806.4/53

All: 397.964 $\pm$ 0.035 χ^2 /NDF: 14510524.9/145

- sign 402.229 $\pm$ 0.049 χ^2 /NDF: 7893117.1/56

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 12.832 ± 17.621 χ^2/NDF : 27.1/28

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 12.494 ± 17.751 χ^2/NDF : 36.7/33

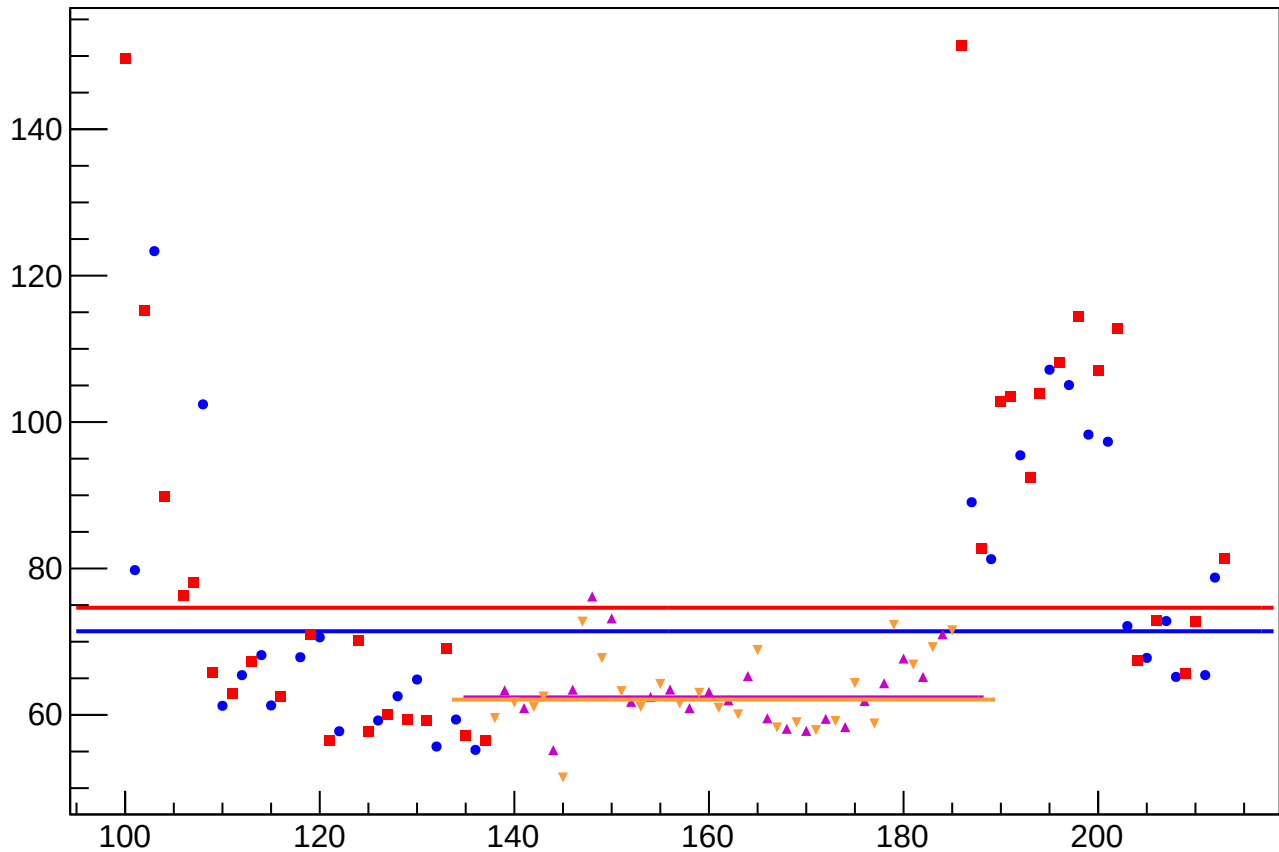
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -47.752 ± 11.045 χ^2/NDF : 95.3/53

All: 4.296 ± 7.899 χ^2/NDF : 214.0/110

- sign 58.796 ± 11.302 χ^2/NDF : 73.2/56

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.426+/-0.012 χ^2/NDF : 1508567.0/28

Left Out: 62.093+/-0.010 χ^2/NDF : 233347.2/24

Right Out: 74.642+/-0.013 χ^2/NDF : 2052807.3/33

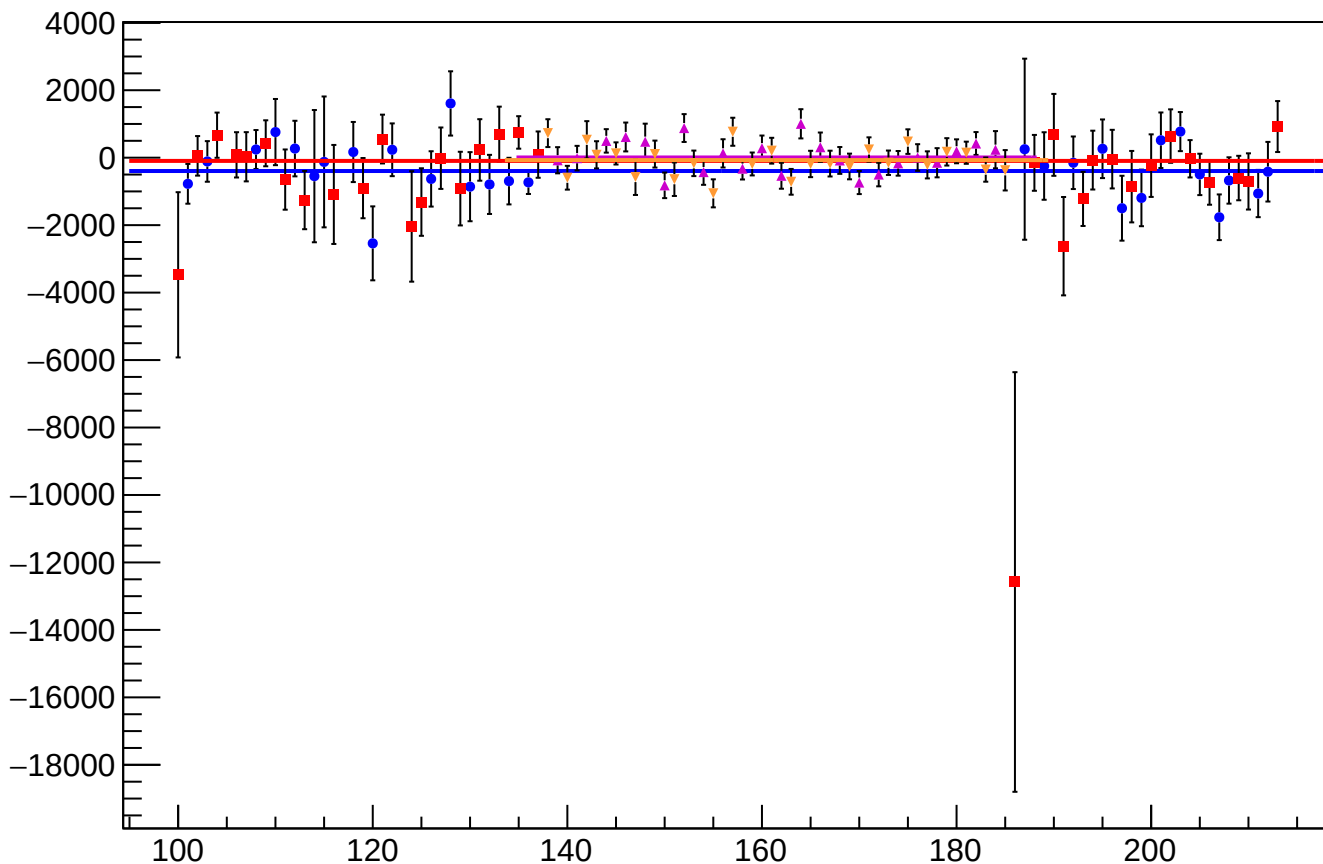
Left In: 62.395+/-0.010 χ^2/NDF : 188817.4/22

+ sign 65.760+/-0.008 χ^2/NDF : 2082557.9/53

All: 66.541+/-0.006 χ^2/NDF : 4910745.6/110

- sign 67.360+/-0.008 χ^2/NDF : 2807687.9/56

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -395.270 ± 138.560 χ^2/NDF : 28.3/28

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: -95.656 ± 138.840 χ^2/NDF : 30.6/33

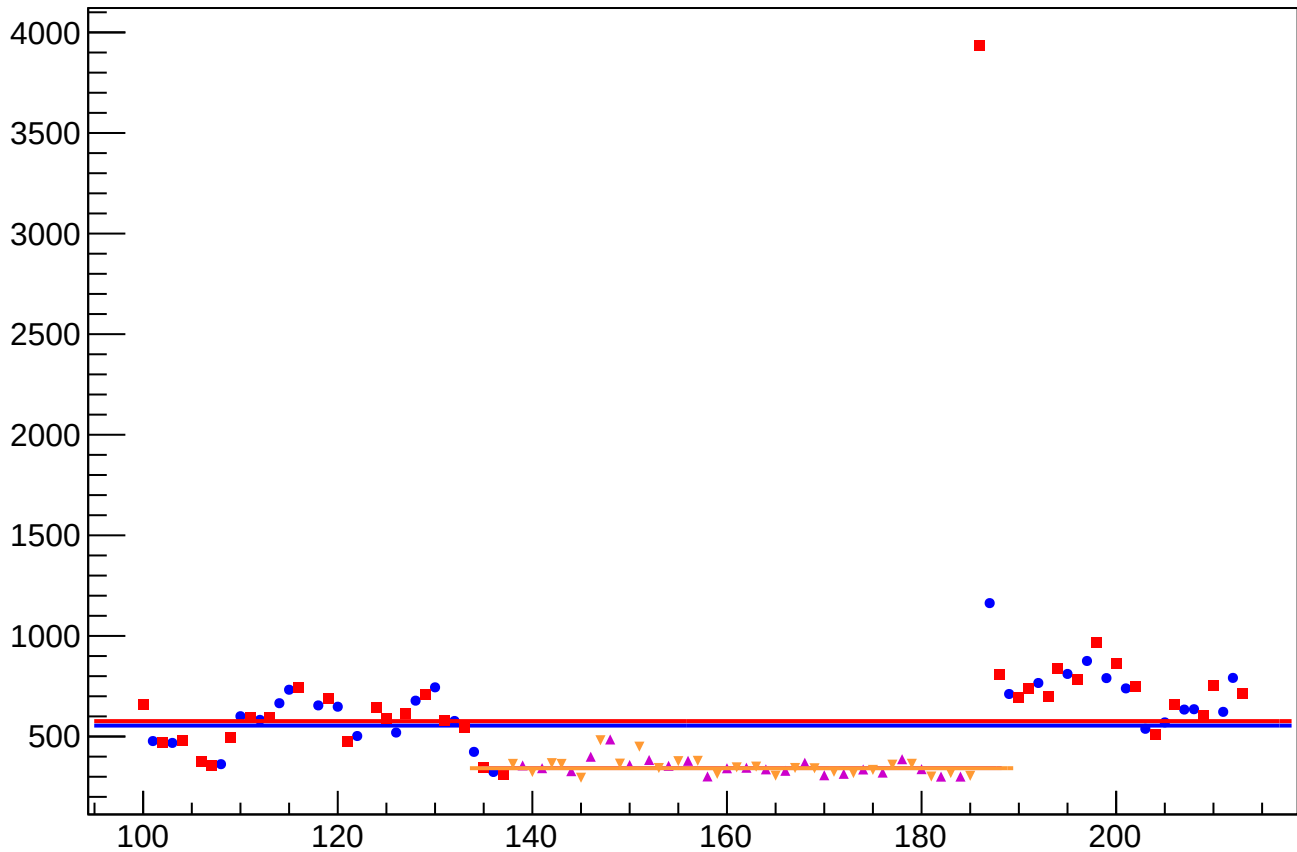
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -149.884 ± 68.234 χ^2/NDF : 61.0/53

All: -86.228 ± 48.796 χ^2/NDF : 127.9/110

- sign -19.599 ± 69.809 χ^2/NDF : 65.1/56

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 554.395 $\pm$ 0.098 χ^2 /NDF: 2625630.6/28

Left Out: 342.502 $\pm$ 0.055 χ^2 /NDF: 434210.5/24

Right Out: 576.559 $\pm$ 0.098 χ^2 /NDF: 3300077.7/33

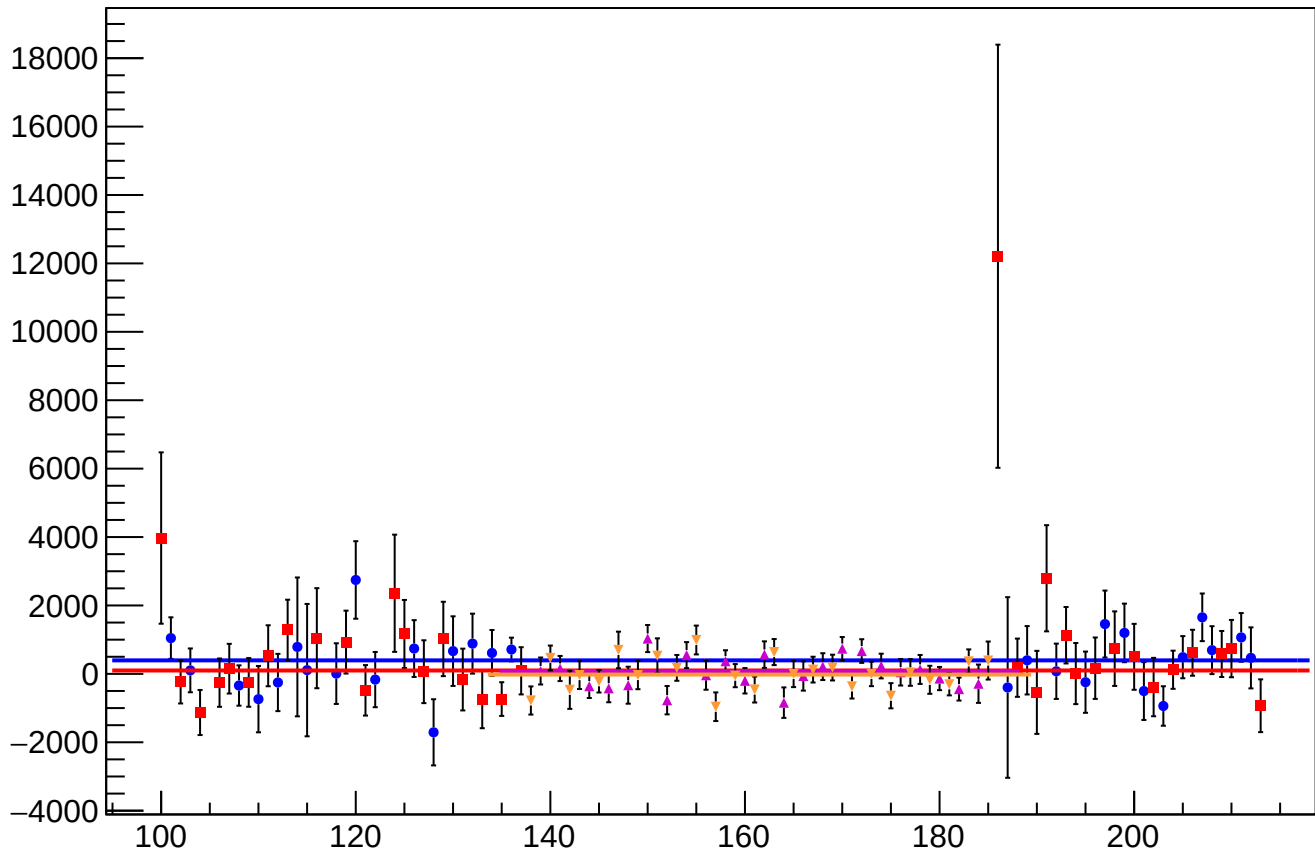
Left In: 343.245 $\pm$ 0.057 χ^2 /NDF: 372993.5/22

+ sign 393.888 $\pm$ 0.048 χ^2 /NDF: 6602798.9/53

All: 397.964 $\pm$ 0.035 χ^2 /NDF: 14510500.8/1

- sign 402.229 $\pm$ 0.049 χ^2 /NDF: 7893100.1/56

asym_sam_13_57_dd_mean vs Slug



Right In: 394.745 ± 140.477 χ^2/NDF : 29.8/28

Left Out: -20.272 ± 78.196 χ^2/NDF : 31.4/24

Right Out: 99.233 ± 141.939 χ^2/NDF : 31.2/33

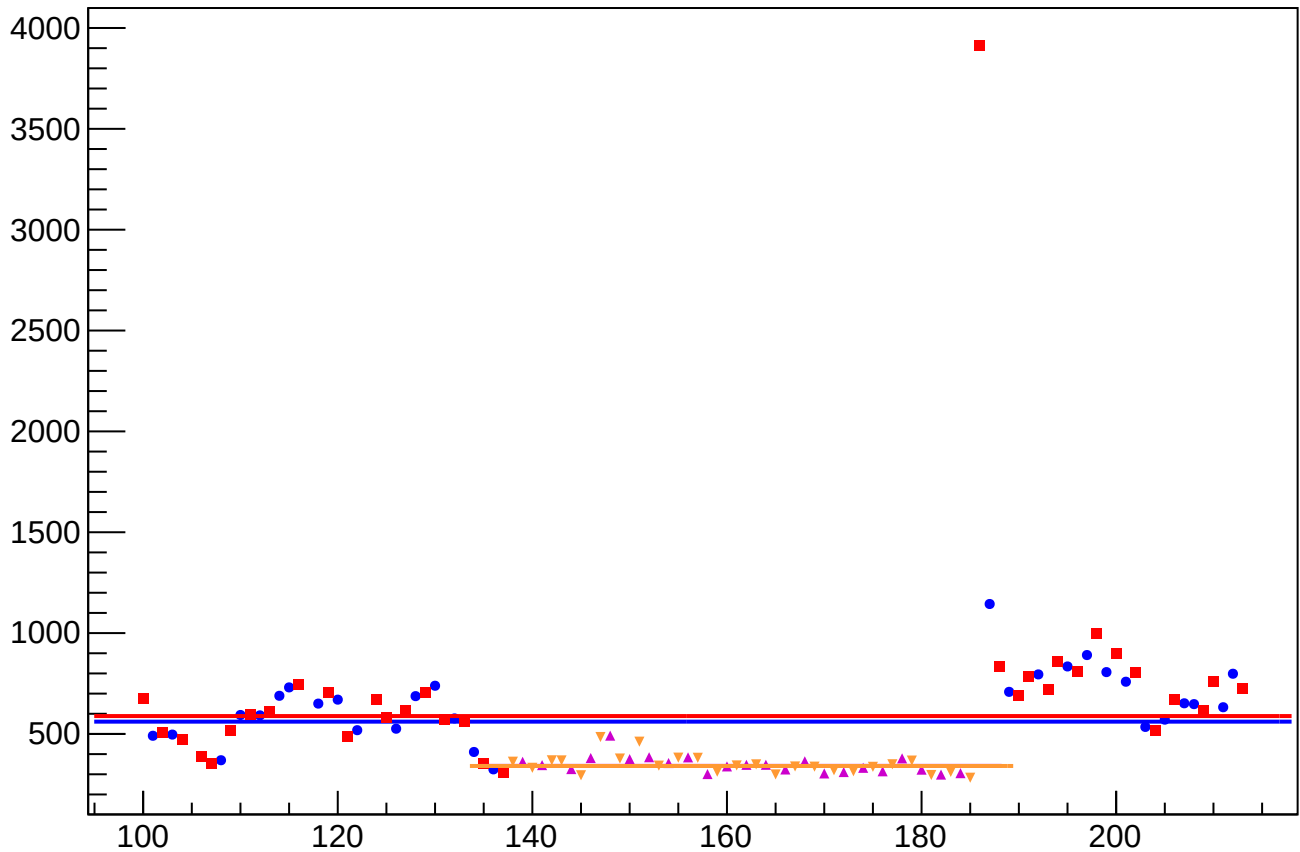
Left In: 78.719 ± 80.410 χ^2/NDF : 32.9/22

+ sign 77.904 ± 68.324 χ^2/NDF : 67.9/53

All: 80.735 ± 48.882 χ^2/NDF : 132.0/110

- sign 83.703 ± 69.963 χ^2/NDF : 64.1/56

asym_sam_13_57_dd_rms vs Slug



Right In: 560.980+/-0.099 χ^2/NDF : 2694118.3/28

Left Out: 341.199+/-0.055 χ^2/NDF : 510854.5/24

Right Out: 588.652+/-0.100 χ^2/NDF : 3368728.4/33

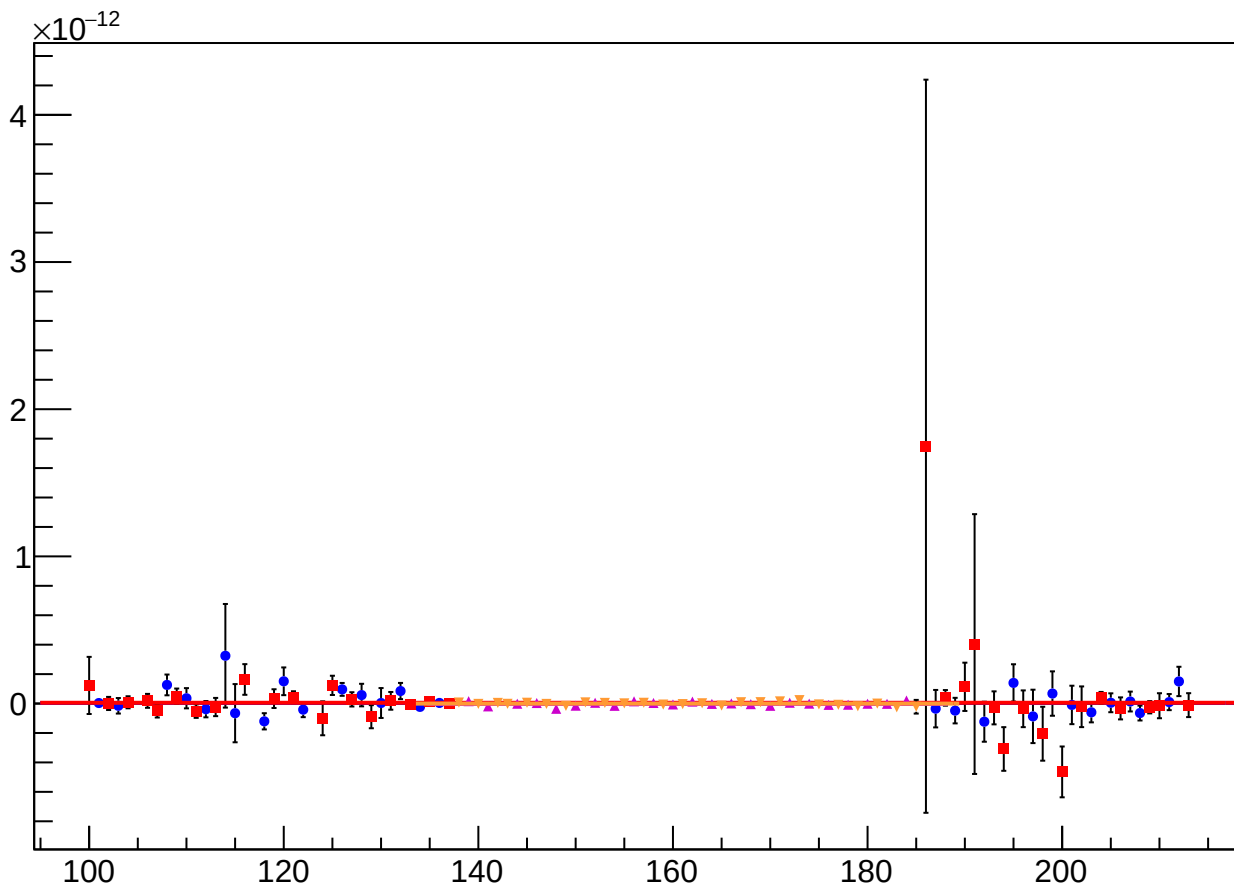
Left In: 341.622+/-0.057 χ^2/NDF : 396885.0/22

+ sign 393.190+/-0.048 χ^2/NDF : 6942458.7/53

All: 397.315+/-0.035 χ^2/NDF : 15309106.0/11

- sign 401.641+/-0.049 χ^2/NDF : 8351712.1/56

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29.0/28

Left Out: -0.000+/-0.000 χ^2/NDF : 19.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 30.7/33

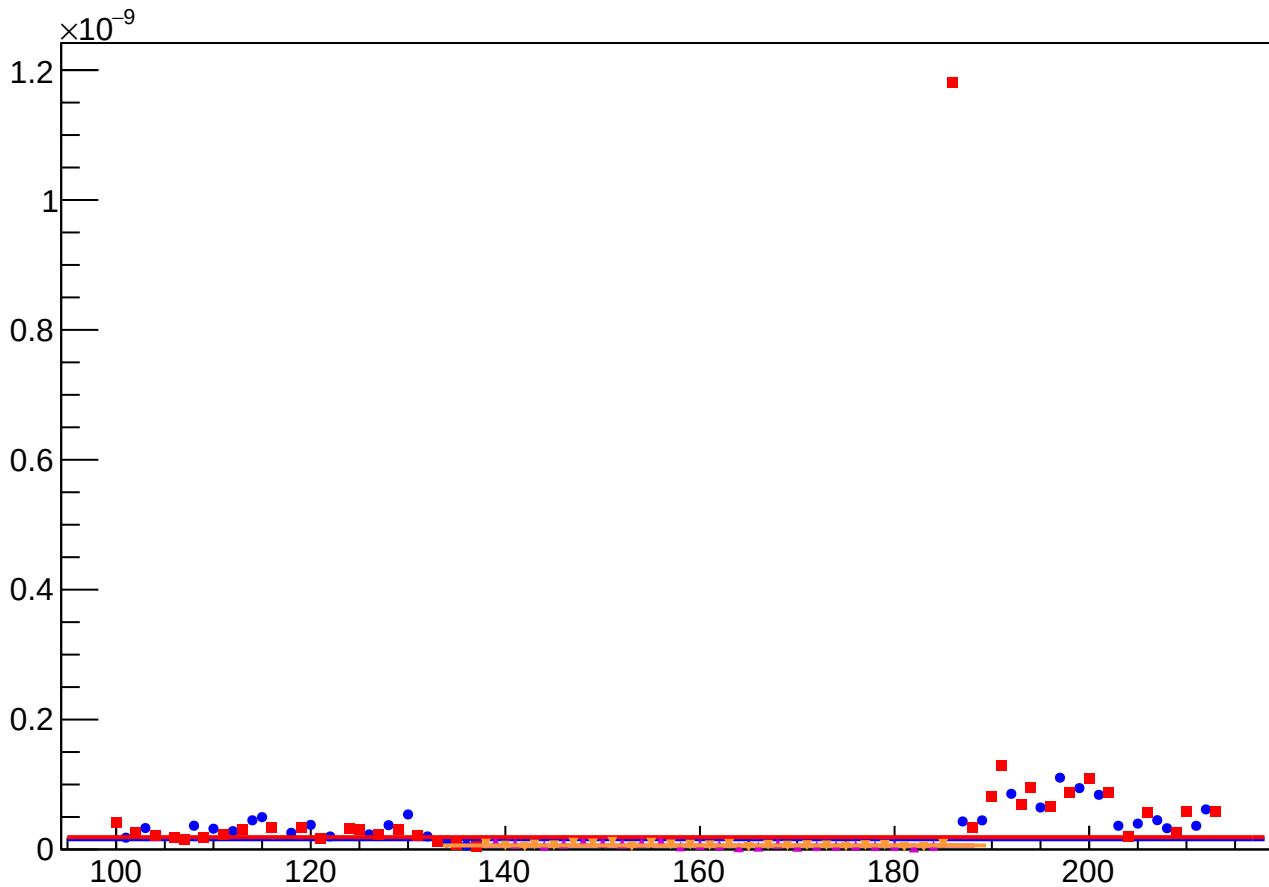
Left In: -0.000+/-0.000 χ^2/NDF : 14.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 48.5/53

All: -0.000+/-0.000 χ^2/NDF : 94.4/110

- sign -0.000+/-0.000 χ^2/NDF : 45.7/56

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7869275.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7174468.6/33

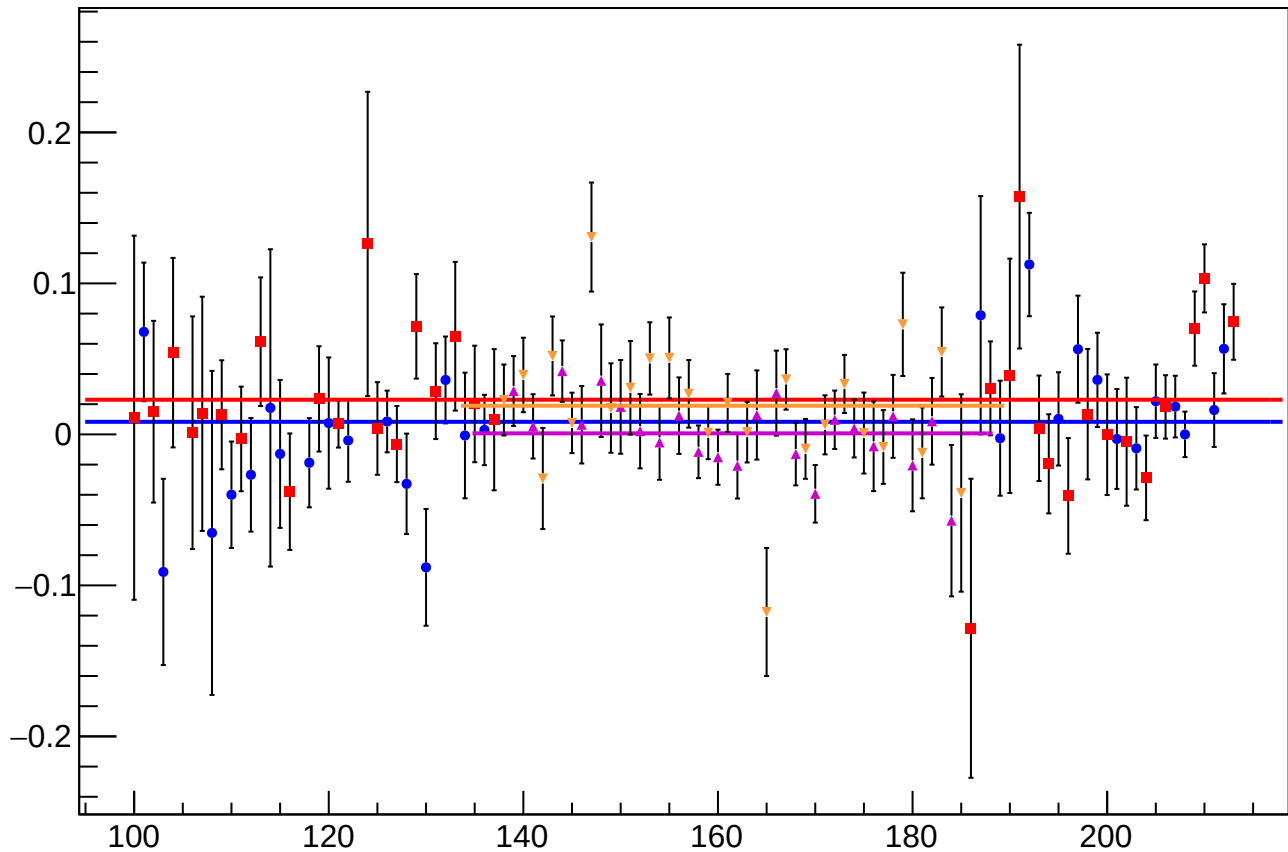
Left In: 0.000+/-0.000 χ^2/NDF : 1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 11835779.3/53

All: 0.000+/-0.000 χ^2/NDF : 24956482.4/110

- sign 0.000+/-0.000 χ^2/NDF : 13120677.0/56

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.006 $\chi^2/\text{NDF}: 34.5/28$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.023 ± 0.006 $\chi^2/\text{NDF}: 44.8/33$

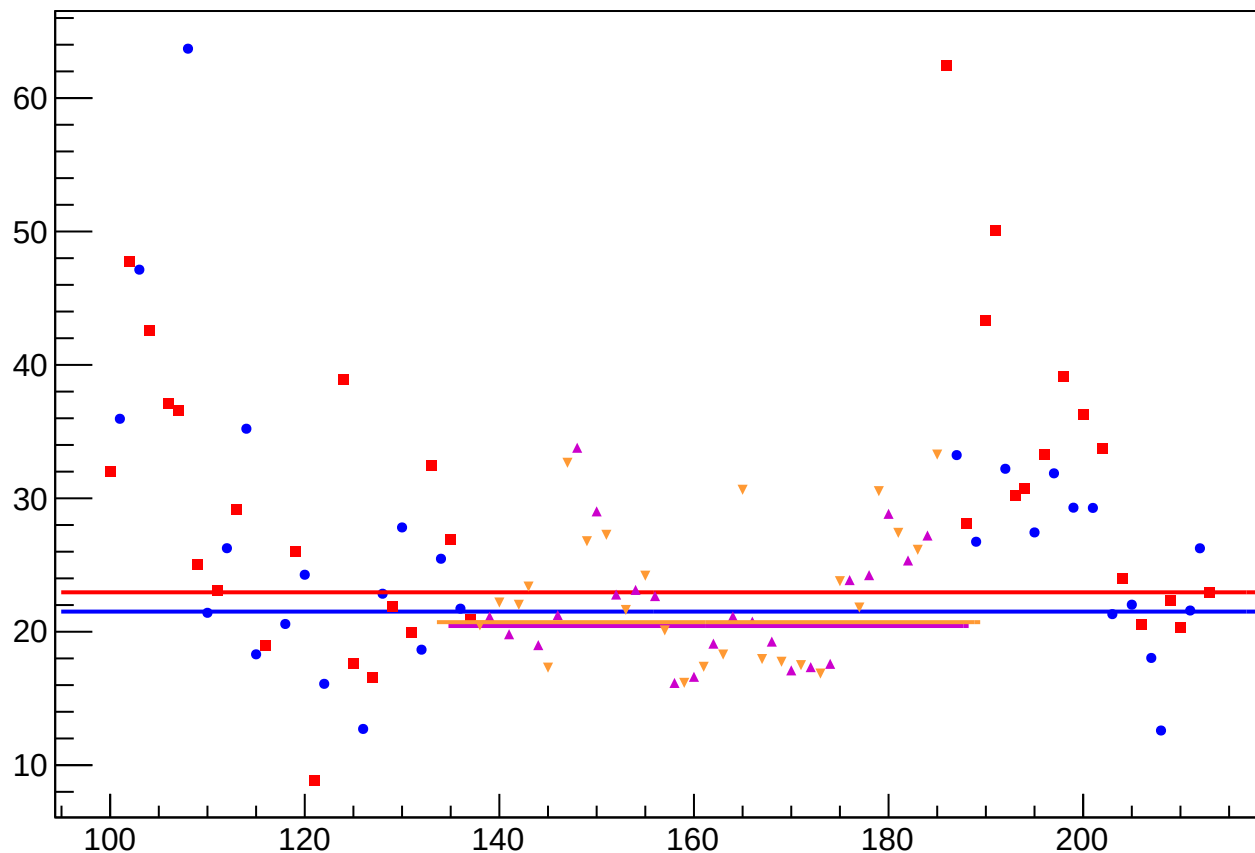
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.014 ± 0.004 $\chi^2/\text{NDF}: 77.7/53$

All: 0.012 ± 0.003 $\chi^2/\text{NDF}: 149.3/110$

- sign 0.010 ± 0.004 $\chi^2/\text{NDF}: 70.9/56$

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.510 $\pm$ 0.004 χ^2 /NDF: 3048752.9/28

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506374.1/24

Right Out: 22.955 $\pm$ 0.004 χ^2 /NDF: 4442582.8/33

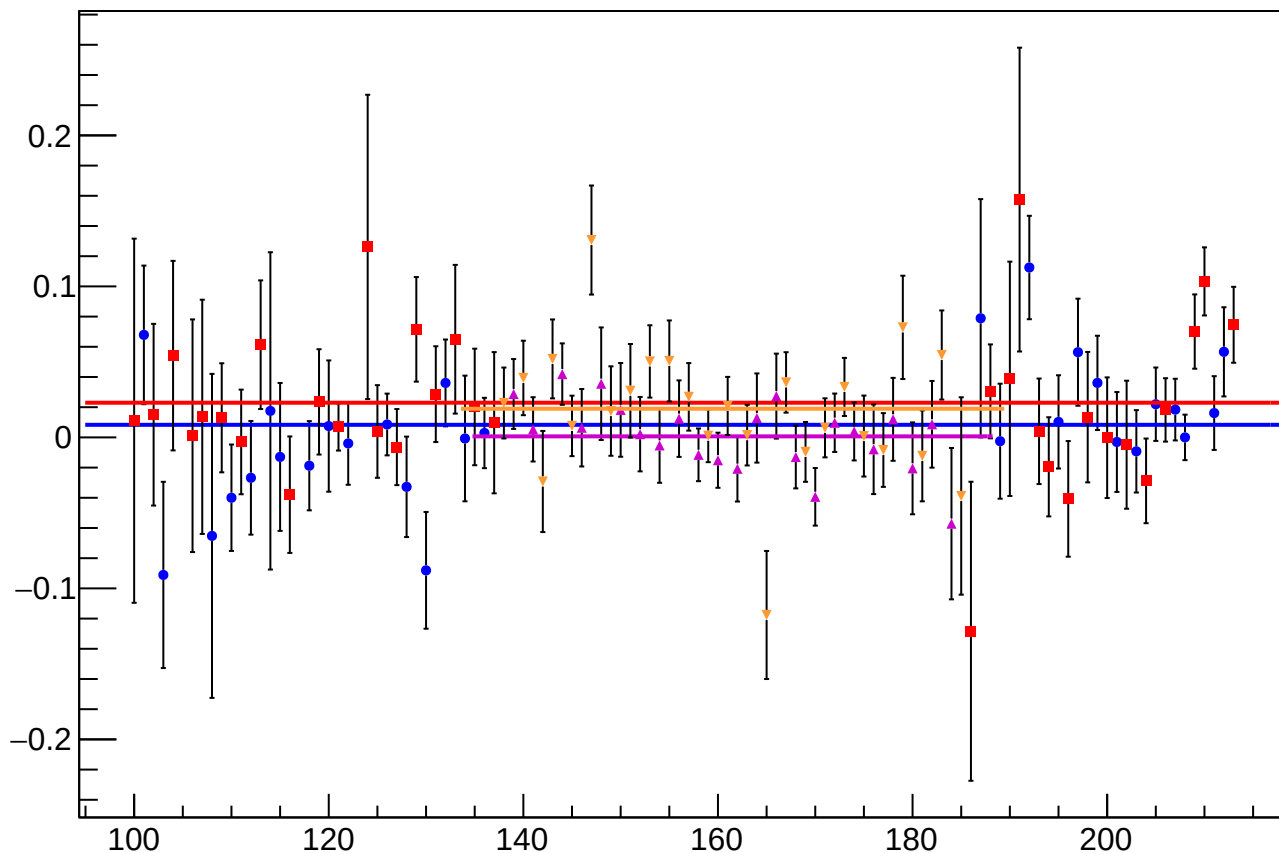
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173949.1/22

+ sign 21.057 $\pm$ 0.003 χ^2 /NDF: 4577784.6/53

All: 21.262 $\pm$ 0.002 χ^2 /NDF: 10424231.5/110

- sign 21.477 $\pm$ 0.003 χ^2 /NDF: 5833809.5/56

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.006 $\chi^2/\text{NDF}: 34.5/28$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.023 ± 0.006 $\chi^2/\text{NDF}: 44.8/33$

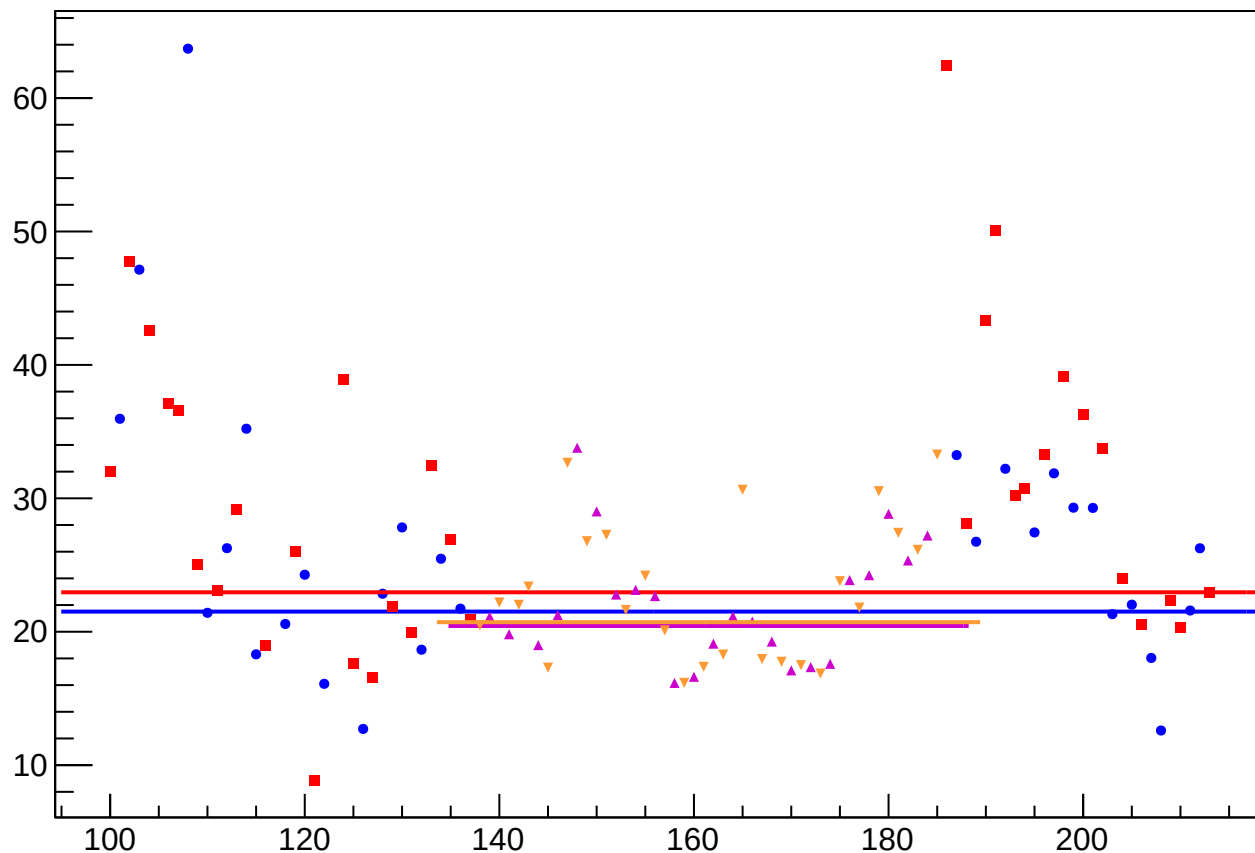
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.014 ± 0.004 $\chi^2/\text{NDF}: 77.7/53$

All: 0.012 ± 0.003 $\chi^2/\text{NDF}: 149.3/110$

- sign 0.010 ± 0.004 $\chi^2/\text{NDF}: 70.9/56$

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.510 $\pm$ 0.004 χ^2 /NDF: 3048752.9/28

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506374.1/24

Right Out: 22.955 $\pm$ 0.004 χ^2 /NDF: 4442582.8/33

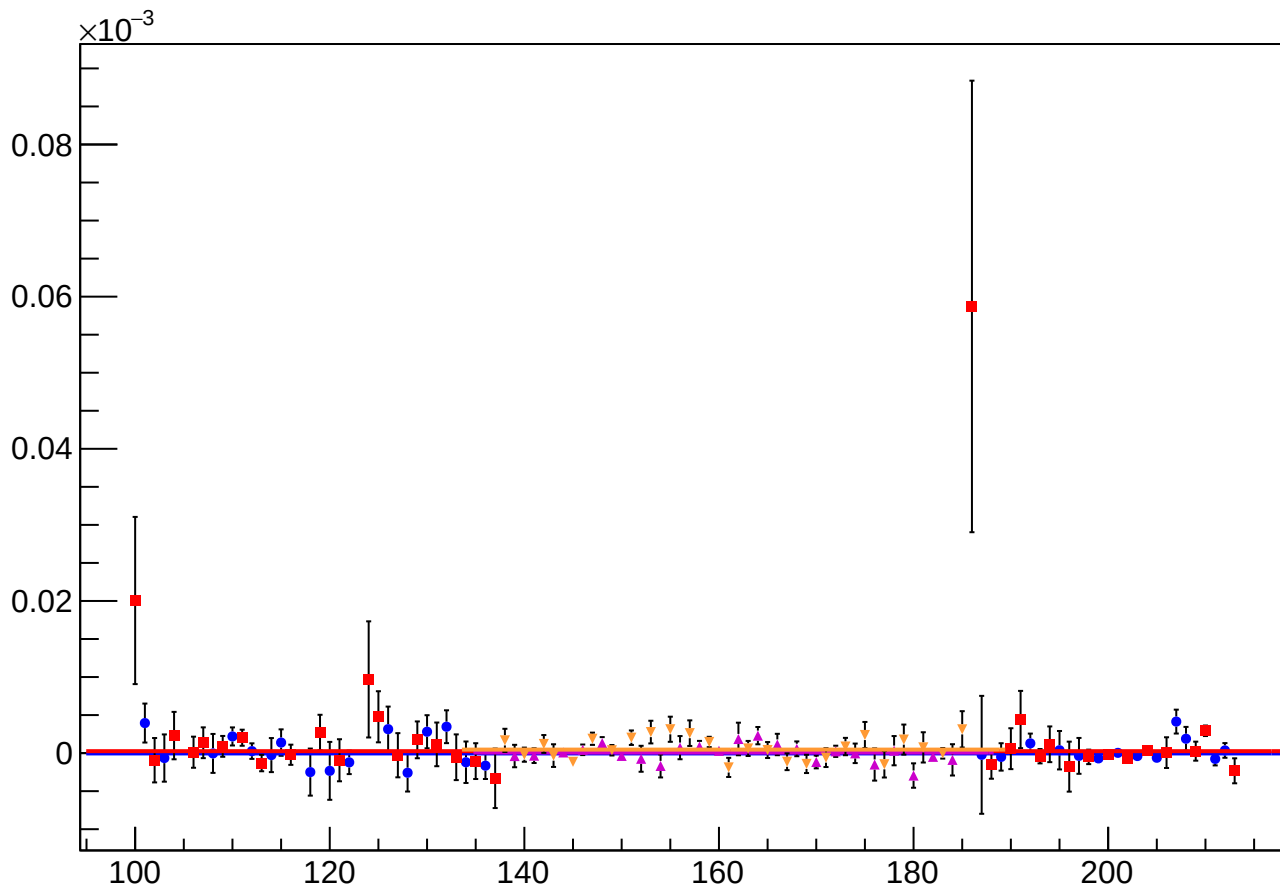
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173949.1/22

+ sign 21.057 $\pm$ 0.003 χ^2 /NDF: 4577784.6/53

All: 21.262 $\pm$ 0.002 χ^2 /NDF: 10424231.5/110

- sign 21.477 $\pm$ 0.003 χ^2 /NDF: 5833809.5/56

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 36.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 44.5/33

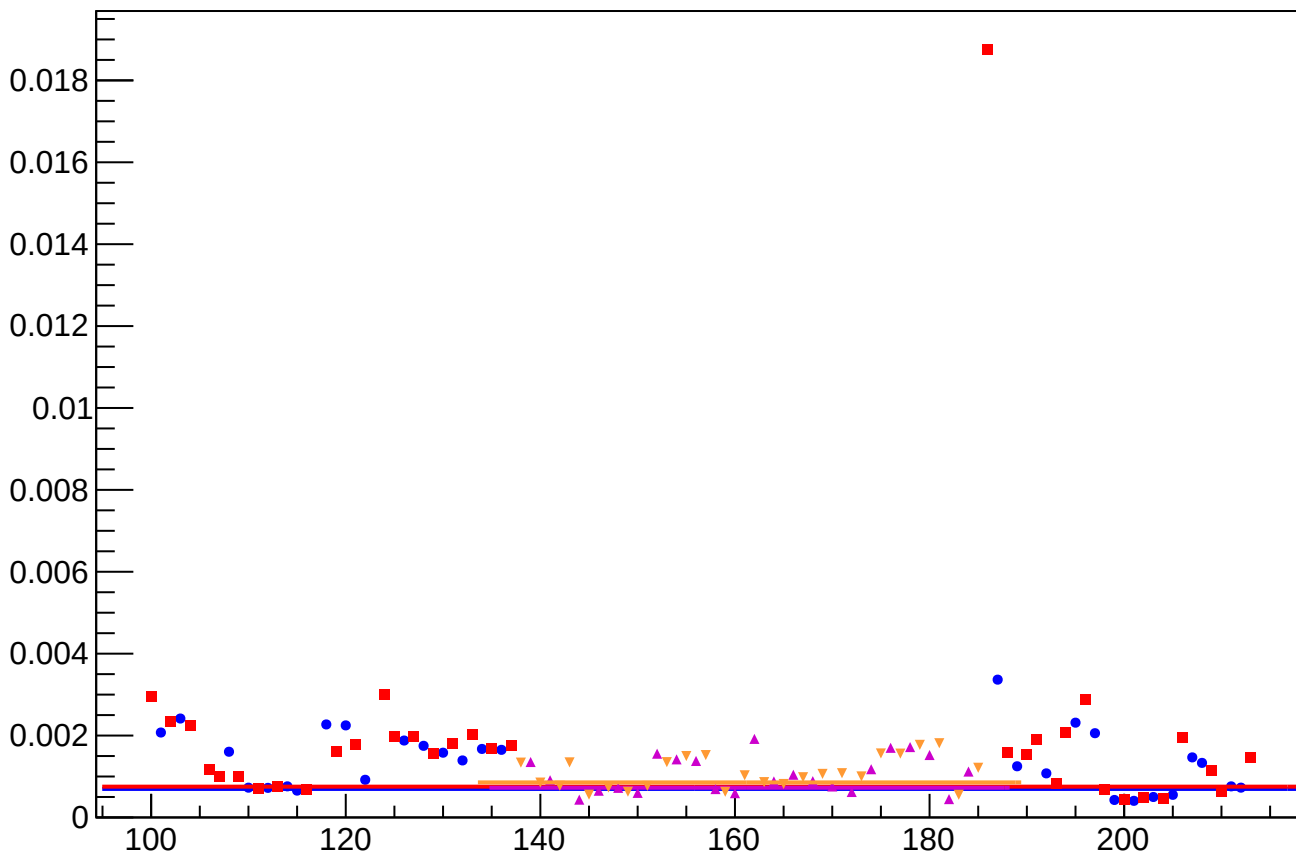
Left In: 0.000 ± 0.000 χ^2/NDF : 19.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 69.5/53

All: 0.000 ± 0.000 χ^2/NDF : 134.0/110

- sign 0.000 ± 0.000 χ^2/NDF : 64.4/56

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9194217.1/28

Left Out: 0.001+/-0.000 χ^2/NDF : 4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 10189302.8/33

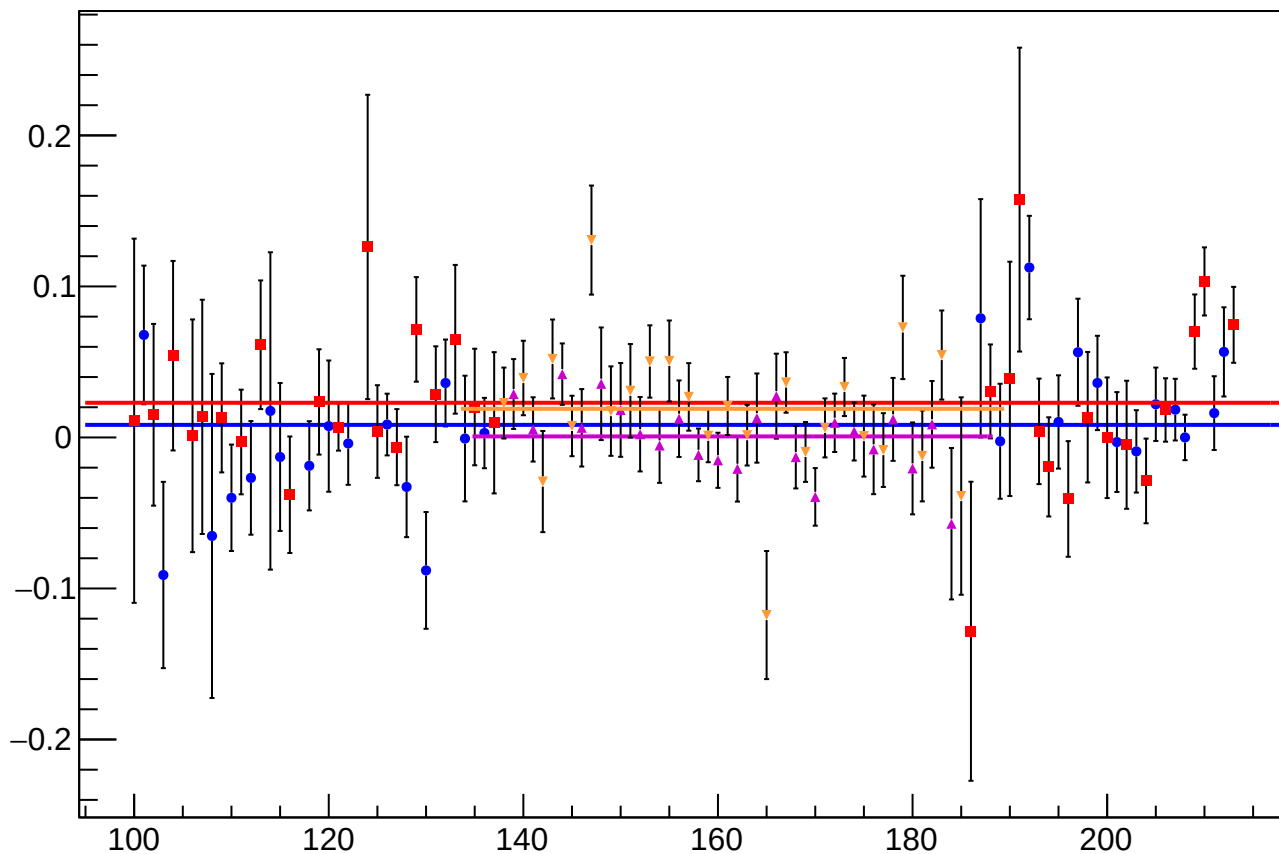
Left In: 0.001+/-0.000 χ^2/NDF : 5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 14223927.0/53

All: 0.001+/-0.000 χ^2/NDF : 30300682.7/110

- sign 0.001+/-0.000 χ^2/NDF : 16012408.2/56

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.006 $\chi^2/\text{NDF}: 34.5/28$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.023 ± 0.006 $\chi^2/\text{NDF}: 44.8/33$

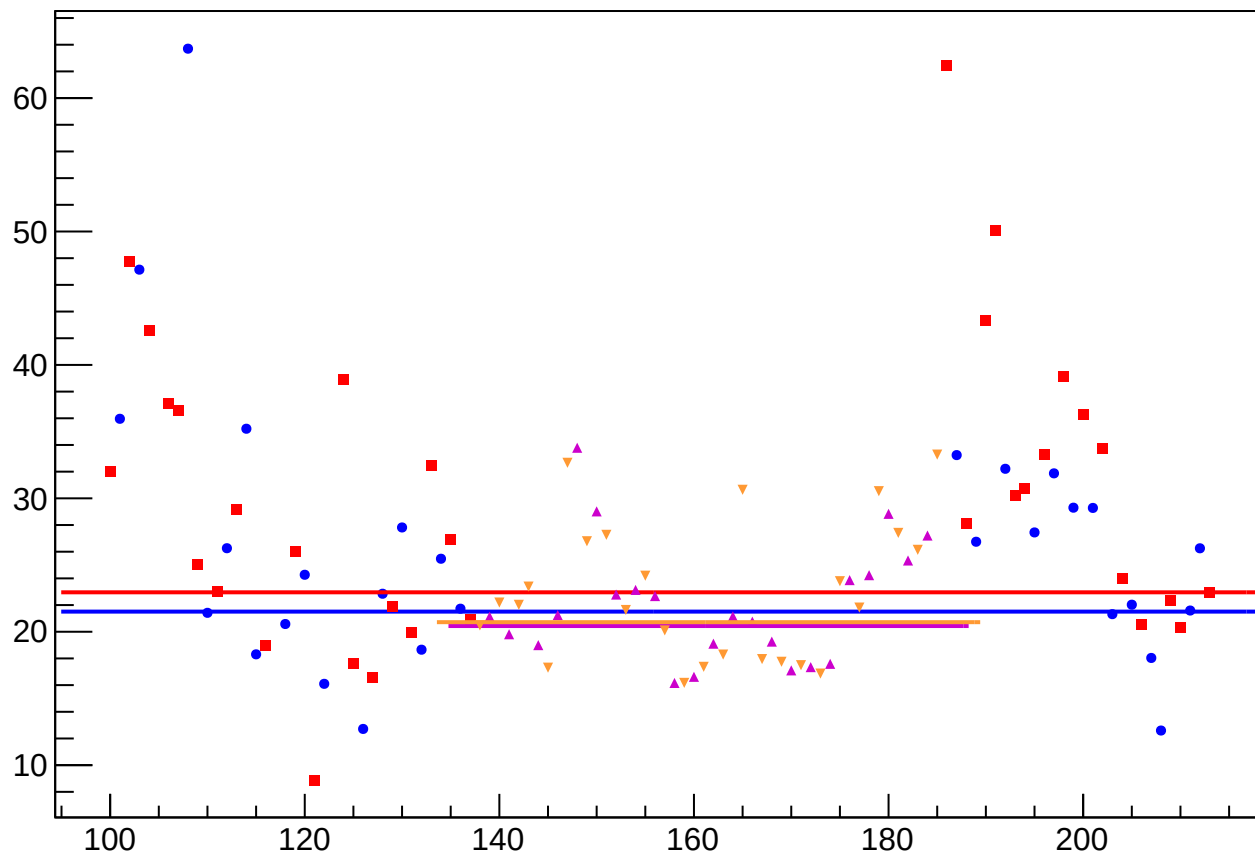
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.014 ± 0.004 $\chi^2/\text{NDF}: 77.7/53$

All: 0.012 ± 0.003 $\chi^2/\text{NDF}: 149.3/110$

- sign 0.010 ± 0.004 $\chi^2/\text{NDF}: 70.9/56$

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.510 $\pm$ 0.004 χ^2/NDF : 3048745.8/28

Left Out: 20.718 $\pm$ 0.003 χ^2/NDF : 1506475.9/24

Right Out: 22.956 $\pm$ 0.004 χ^2/NDF : 4442014.7/33

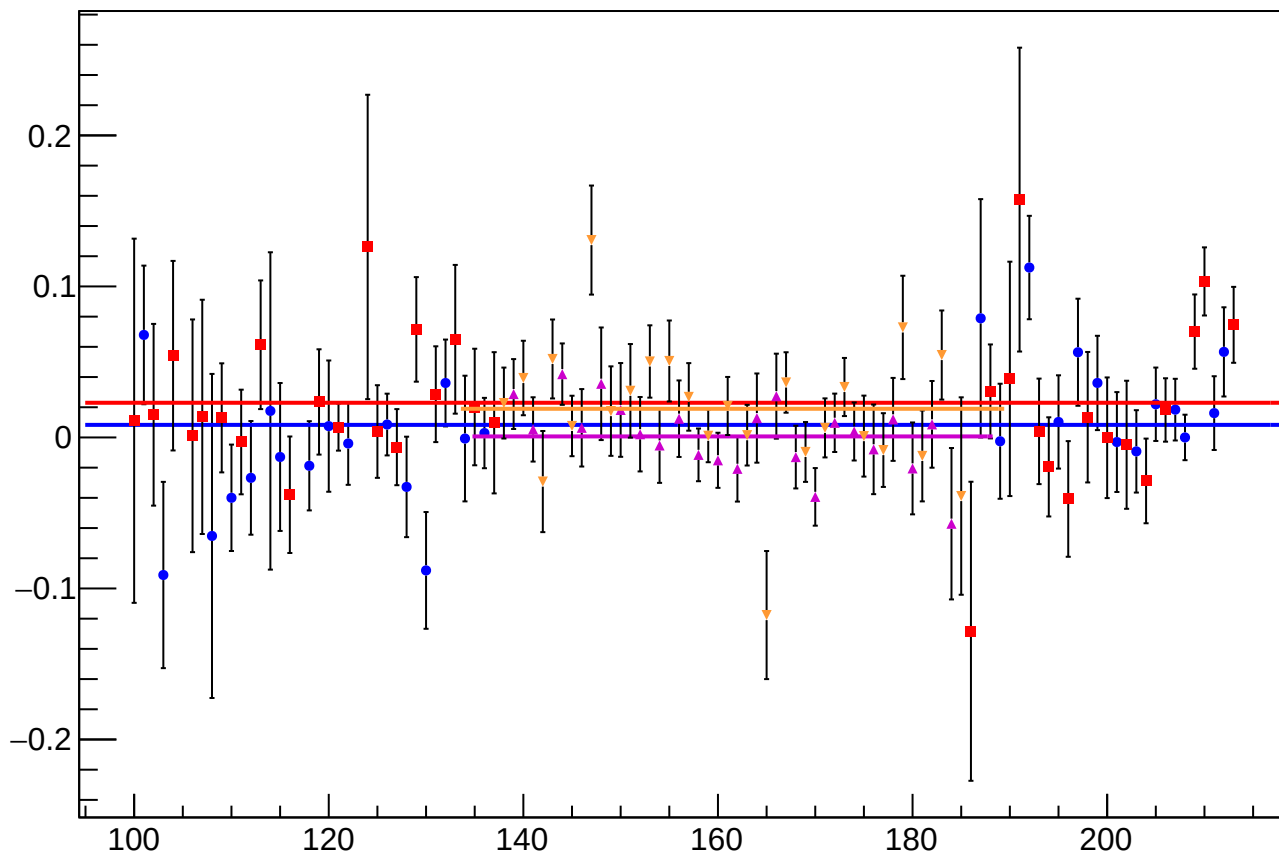
Left In: 20.429 $\pm$ 0.003 χ^2/NDF : 1173995.4/22

+ sign 21.057 $\pm$ 0.003 χ^2/NDF : 4577884.3/53

All: 21.262 $\pm$ 0.002 χ^2/NDF : 10423891.1/110

- sign 21.477 $\pm$ 0.003 χ^2/NDF : 5833356.8/56

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.006 χ^2/NDF : 34.5/28

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.023 ± 0.006 χ^2/NDF : 44.8/33

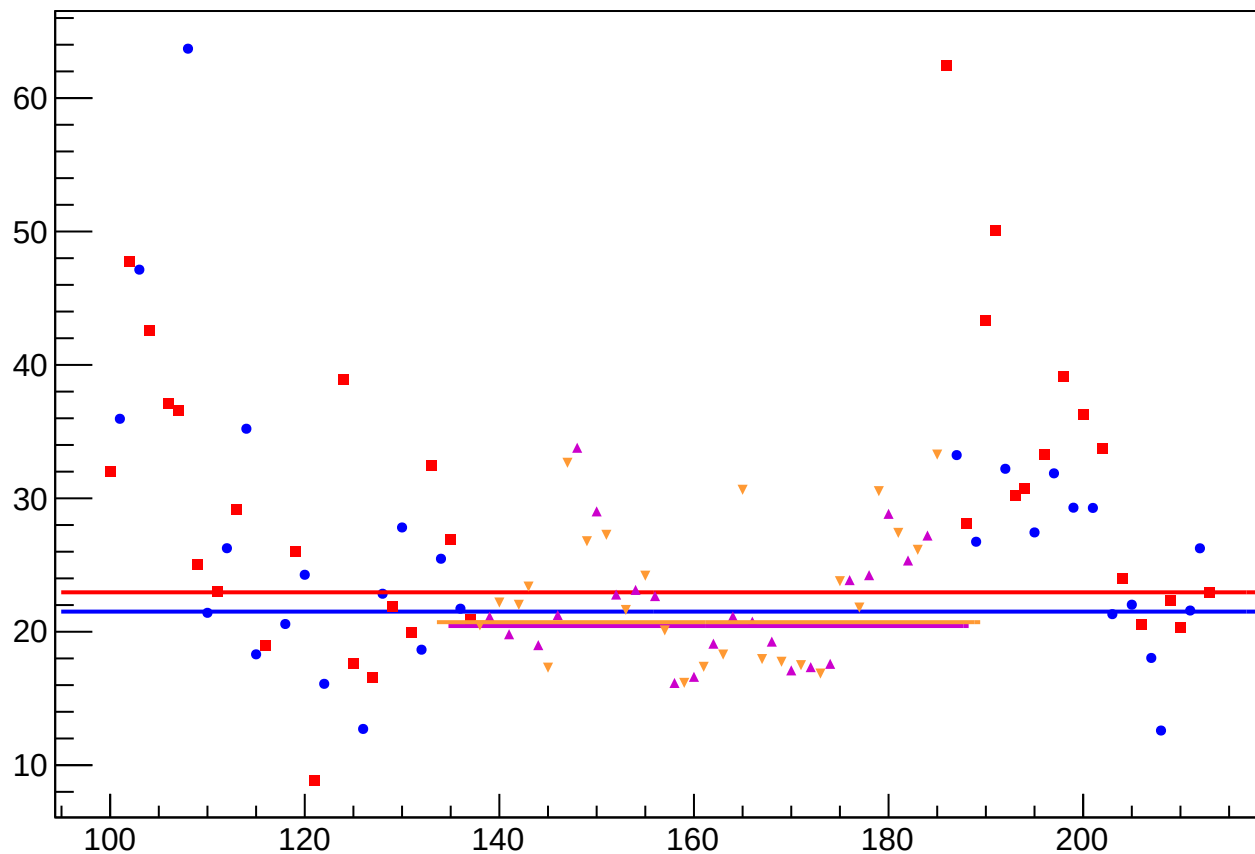
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.014 ± 0.004 χ^2/NDF : 77.7/53

All: 0.012 ± 0.003 χ^2/NDF : 149.3/110

- sign 0.010 ± 0.004 χ^2/NDF : 70.9/56

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.510 $\pm$ 0.004 χ^2 /NDF: 3048745.8/28

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF: 1506475.9/24

Right Out: 22.956 $\pm$ 0.004 χ^2 /NDF: 4442014.7/33

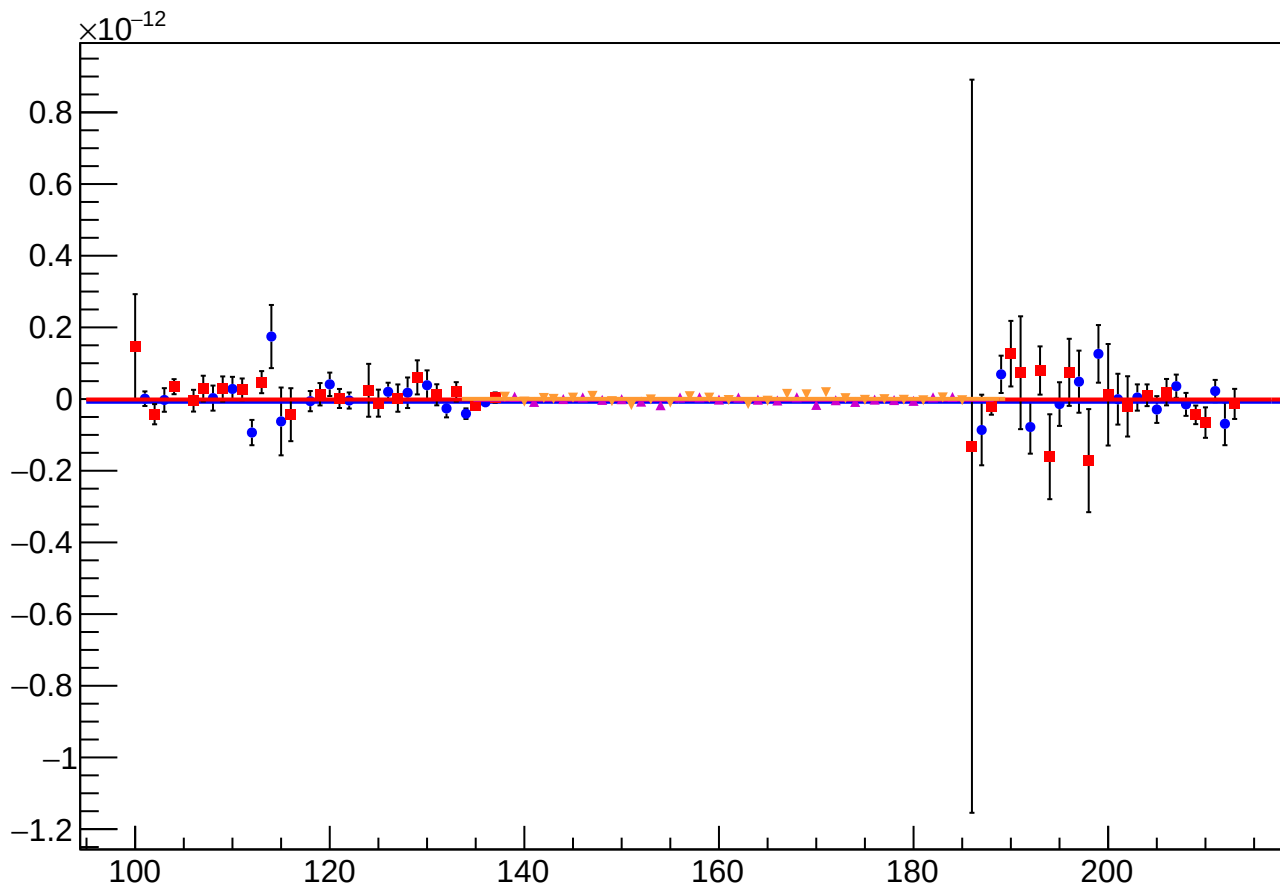
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF: 1173995.4/22

+ sign 21.057 $\pm$ 0.003 χ^2 /NDF: 4577884.3/53

All: 21.262 $\pm$ 0.002 χ^2 /NDF: 10423891.1/110

- sign 21.477 $\pm$ 0.003 χ^2 /NDF: 5833356.8/56

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 33.8/28

Left Out: 0.000+/-0.000 χ^2 /NDF: 29.0/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 31.1/33

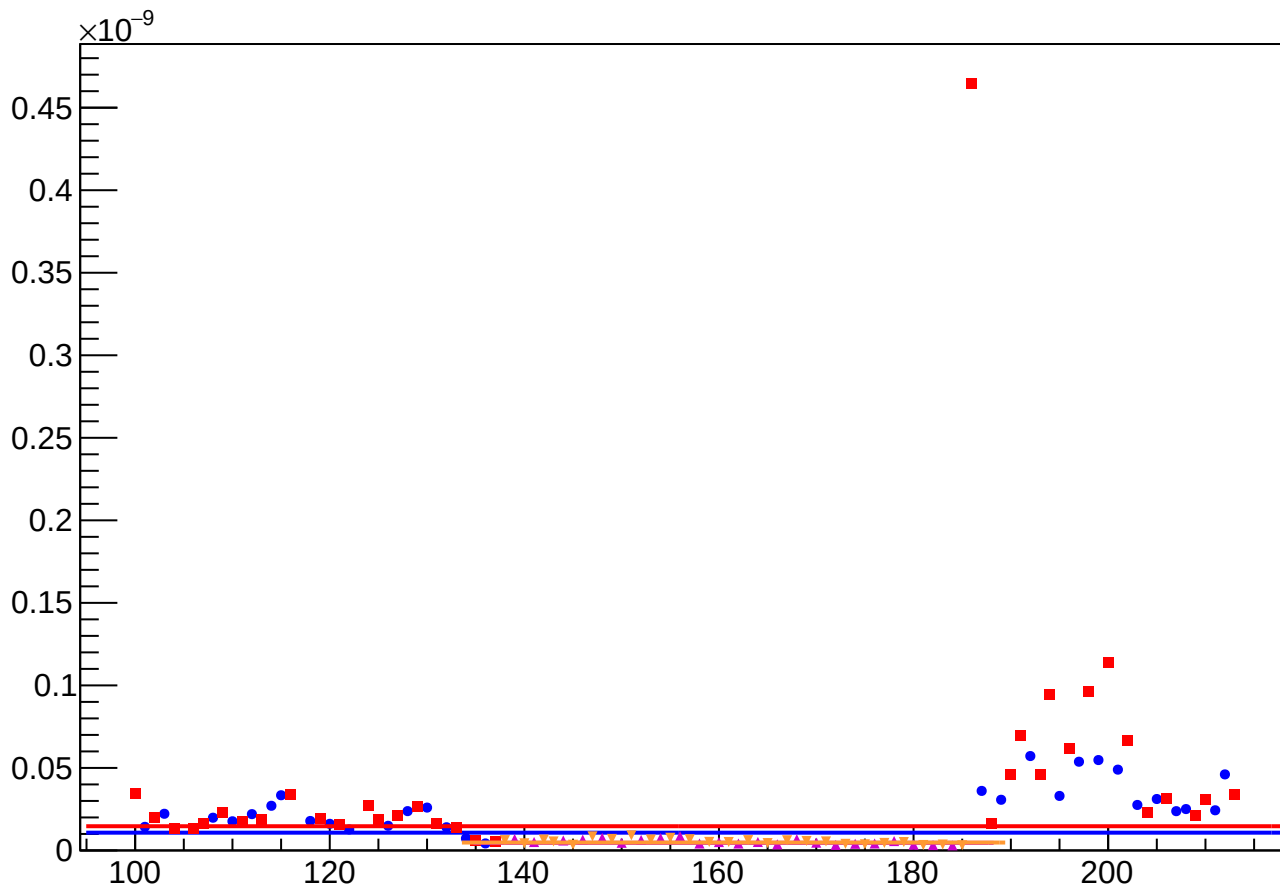
Left In: -0.000+/-0.000 χ^2 /NDF: 20.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 66.2/53

All: -0.000+/-0.000 χ^2 /NDF: 118.6/110

- sign -0.000+/-0.000 χ^2 /NDF: 51.7/56

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10289378.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9693451.1/33

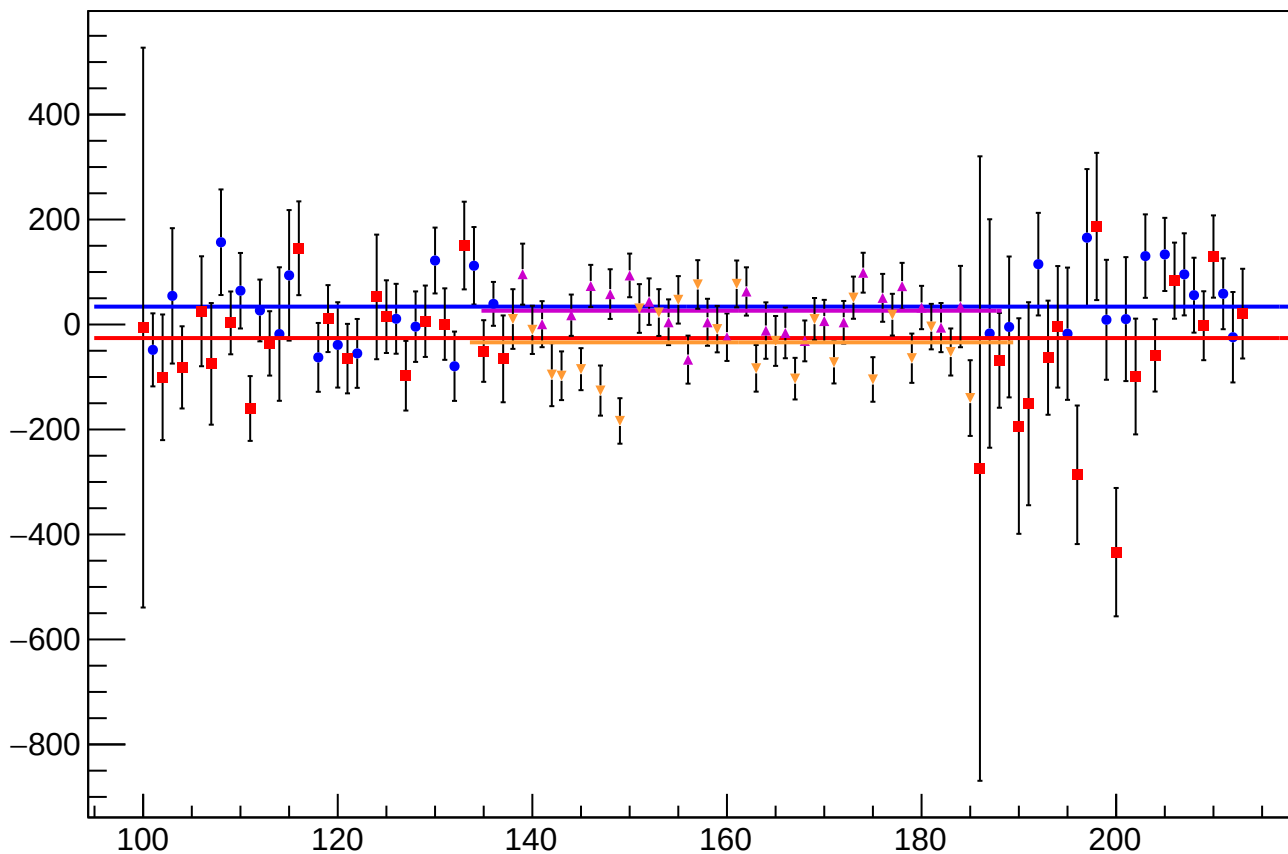
Left In: 0.000+/-0.000 χ^2/NDF : 1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 16031878.9/53

All: 0.000+/-0.000 χ^2/NDF : 34868681.0/110

- sign 0.000+/-0.000 χ^2/NDF : 18833533.5/56

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.063 ± 14.425 χ^2/NDF : 21.7/28

Left Out: -33.956 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -25.820 ± 14.356 χ^2/NDF : 44.1/33

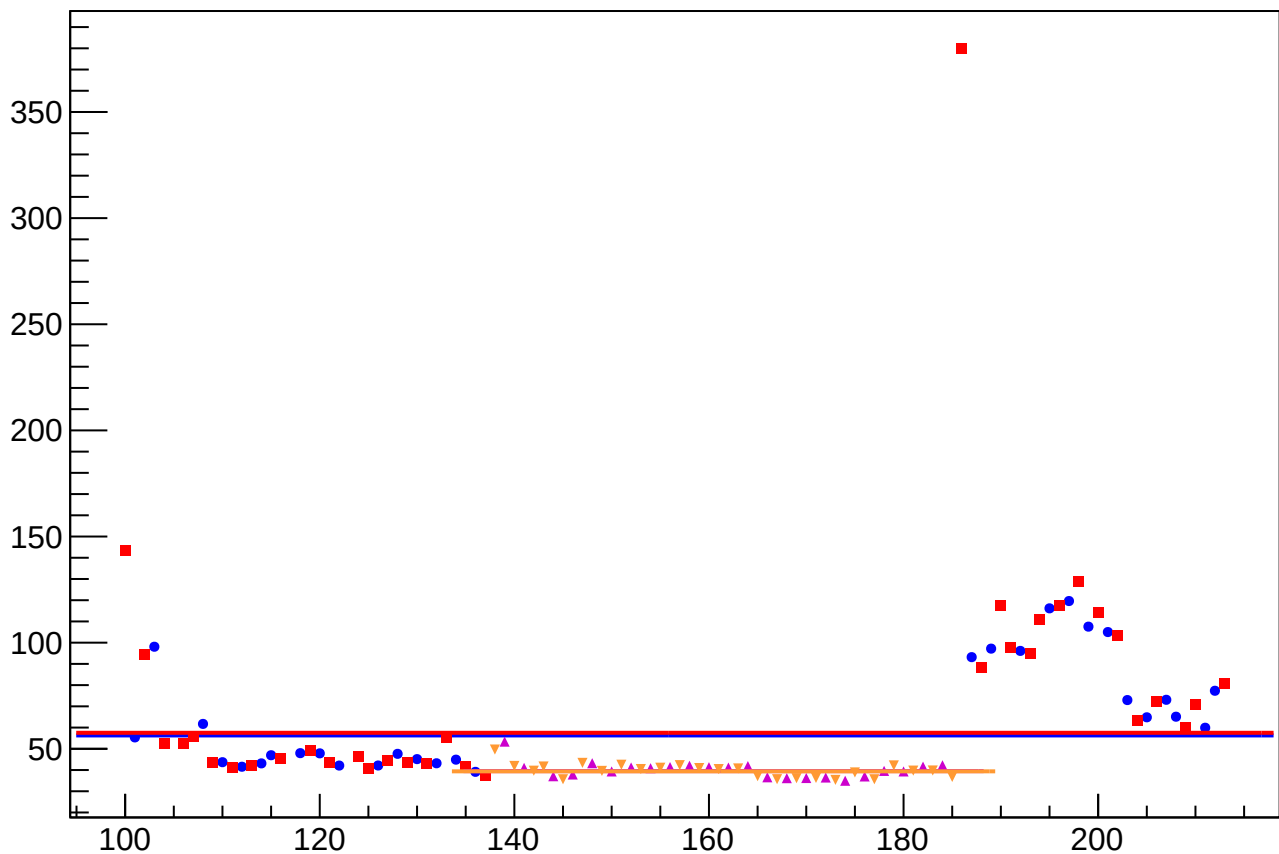
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -14.917 ± 7.632 χ^2/NDF : 96.4/53

All: -2.253 ± 5.451 χ^2/NDF : 177.9/110

- sign 10.936 ± 7.788 χ^2/NDF : 75.9/56

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.294 $\pm$ 0.010 χ^2 /NDF: 3838061.6/28

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 57.540 $\pm$ 0.010 χ^2 /NDF: 5195577.0/33

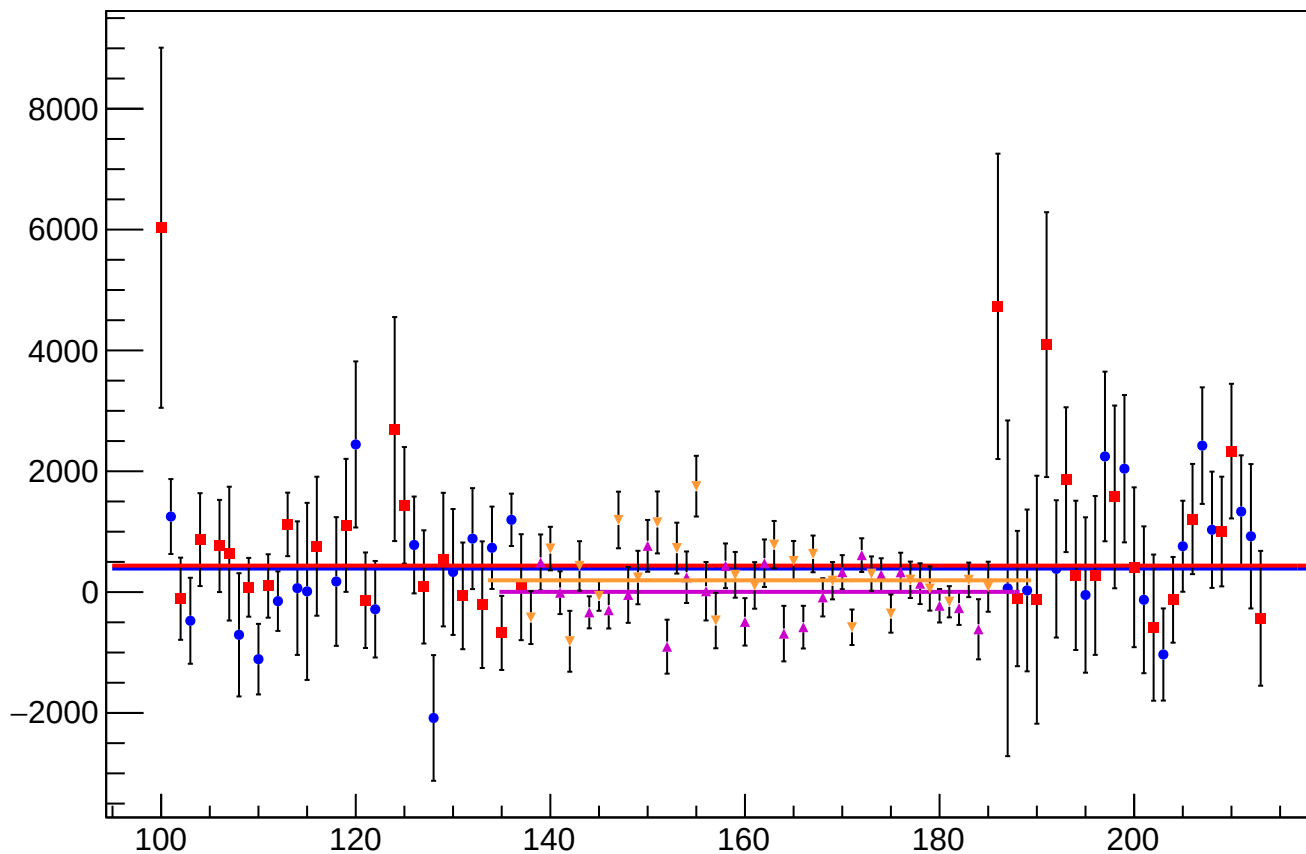
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.116 $\pm$ 0.005 χ^2 /NDF: 6046276.0/53

All: 44.453 $\pm$ 0.004 χ^2 /NDF: 13732470.4/110

- sign 44.803 $\pm$ 0.006 χ^2 /NDF: 7678252.5/56

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 390.037 ± 157.003 χ^2/NDF : 39.3/28

Left Out: 195.029 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 438.426 ± 154.922 χ^2/NDF : 29.1/33

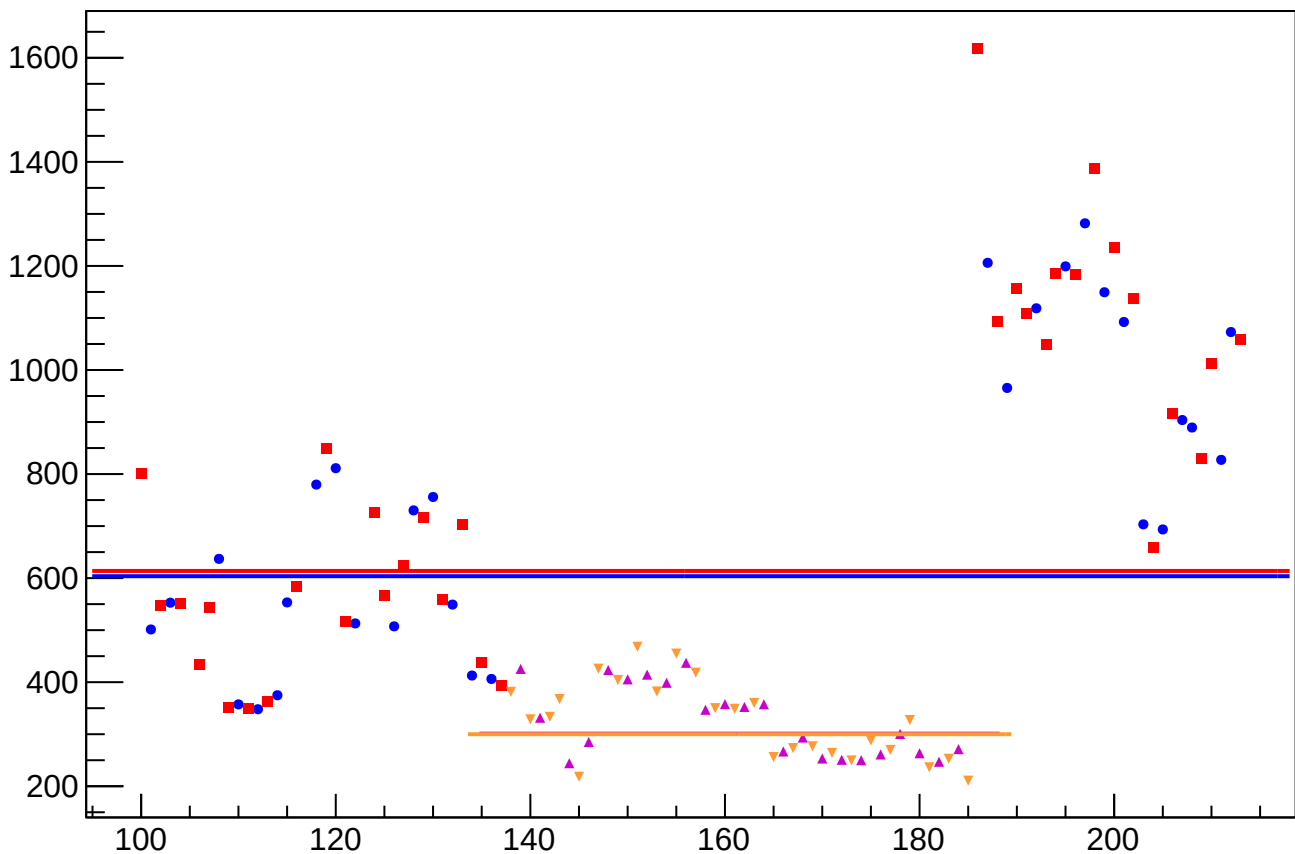
Left In: 4.015 ± 71.981 χ^2/NDF : 32.4/22

+ sign 227.437 ± 64.004 χ^2/NDF : 89.1/53

All: 155.733 ± 45.702 χ^2/NDF : 159.7/110

- sign 81.144 ± 65.279 χ^2/NDF : 67.9/56

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 603.661 $\pm$ 0.111 χ^2 /NDF: 4983571.0/28

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF: 1808461.5/24

Right Out: 613.806 $\pm$ 0.110 χ^2 /NDF: 6415230.1/33

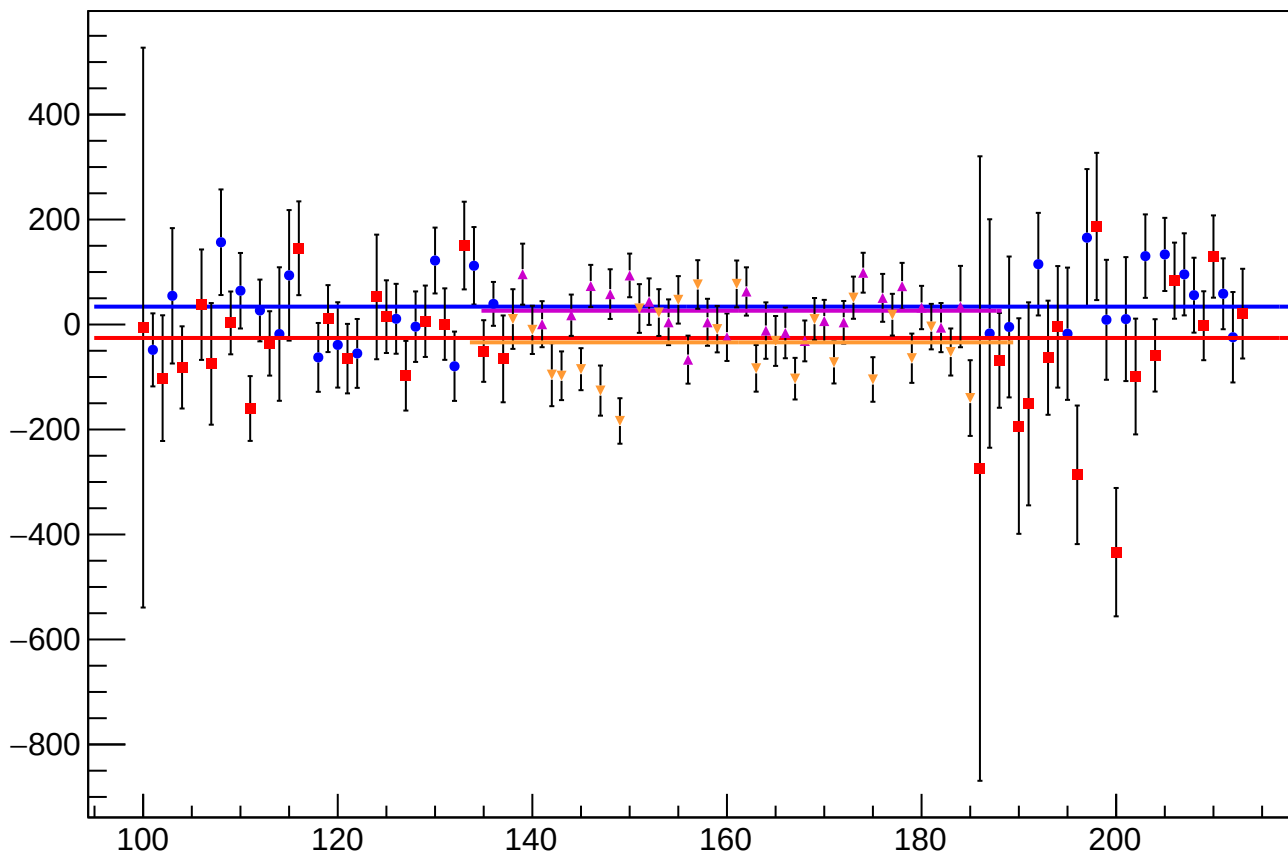
Left In: 301.000 $\pm$ 0.051 χ^2 /NDF: 1407198.4/22

+ sign 350.445 $\pm$ 0.045 χ^2 /NDF: 13031213.8/53

All: 353.431 $\pm$ 0.032 χ^2 /NDF: 27568540.6/1

- sign 356.538 $\pm$ 0.046 χ^2 /NDF: 14528442.9/56

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.068 ± 14.425 χ^2/NDF : 21.7/28

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -25.617 ± 14.358 χ^2/NDF : 44.2/33

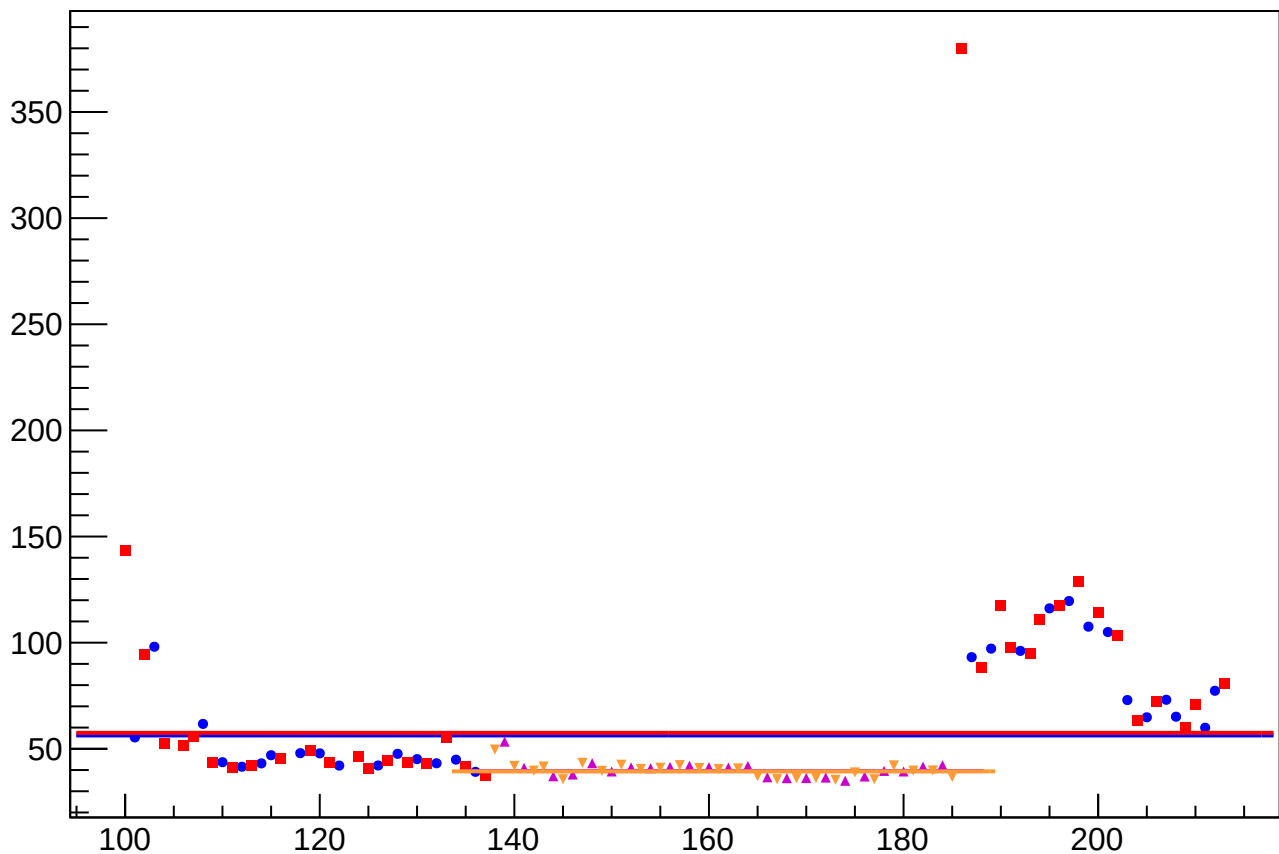
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -14.915 ± 7.632 χ^2/NDF : 96.4/53

All: -2.222 ± 5.451 χ^2/NDF : 178.0/110

- sign 10.998 ± 7.789 χ^2/NDF : 75.9/56

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 56.294 $\pm$ 0.010 χ^2 /NDF: 3838064.6/28

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 57.526 $\pm$ 0.010 χ^2 /NDF: 5197368.0/33

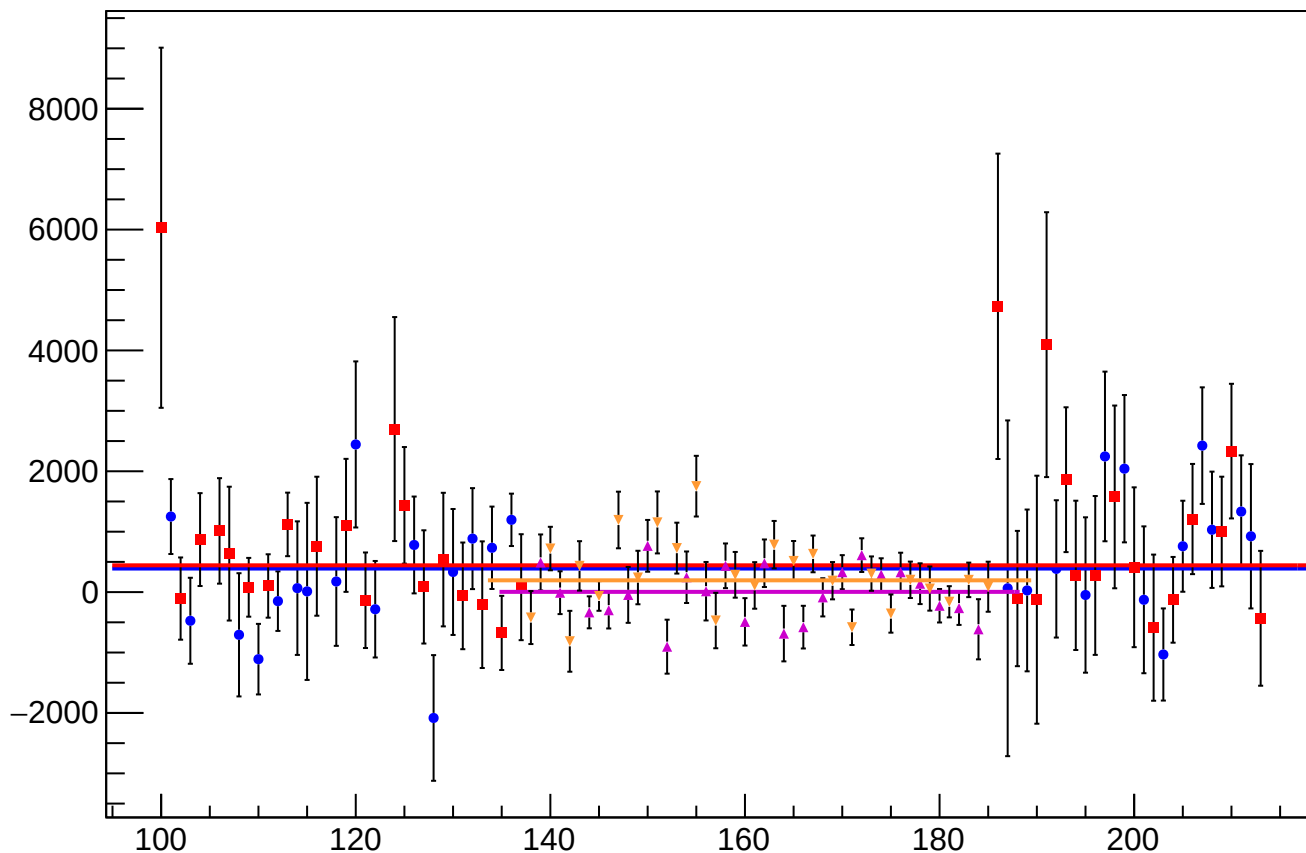
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.116 $\pm$ 0.005 χ^2 /NDF: 6046279.0/53

All: 44.450 $\pm$ 0.004 χ^2 /NDF: 13730343.7/110

- sign 44.798 $\pm$ 0.006 χ^2 /NDF: 7676235.3/56

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 390.041 ± 157.004 χ^2/NDF : 39.3/28

Left Out: 195.028 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 443.365 ± 155.690 χ^2/NDF : 29.4/33

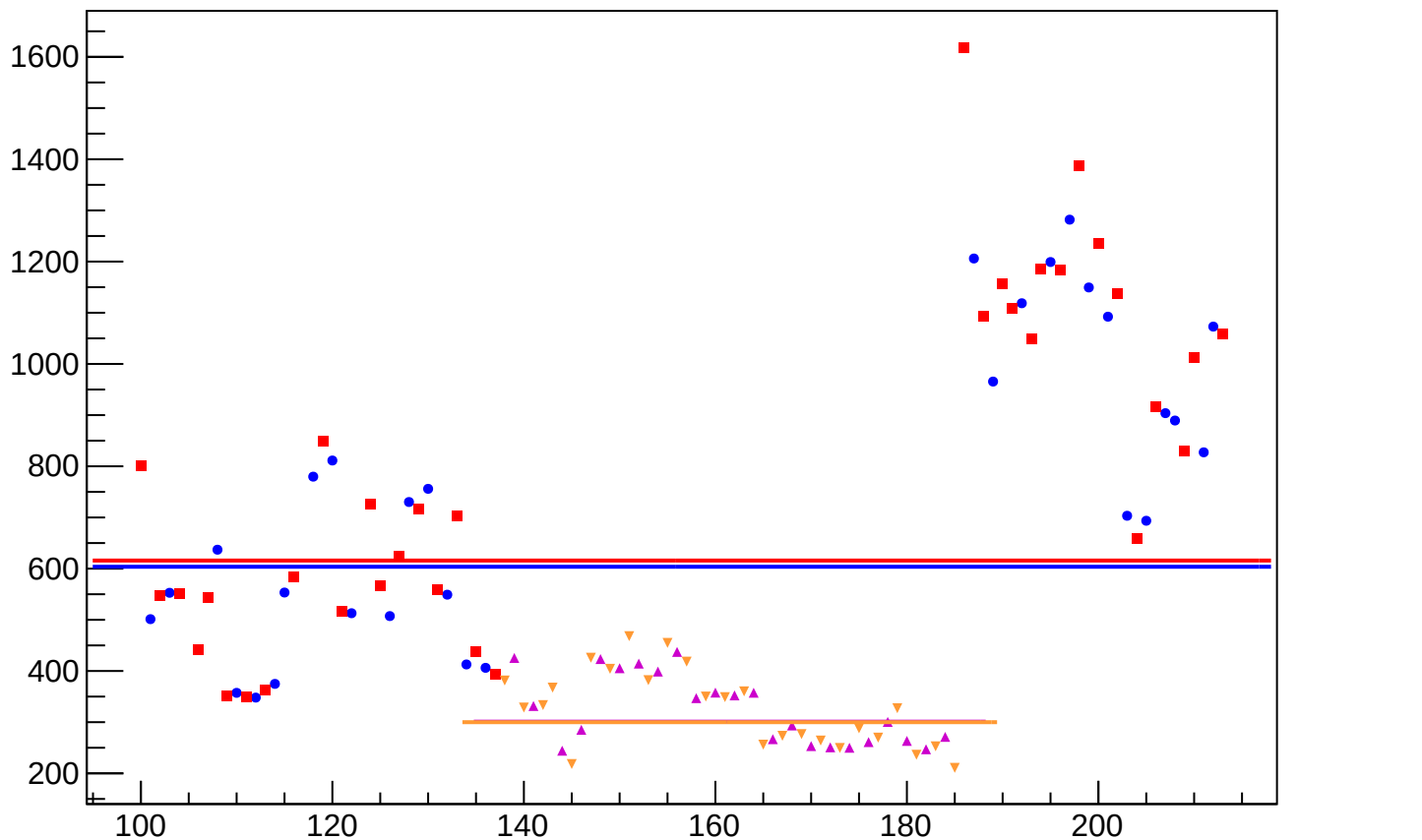
Left In: 4.014 ± 71.981 χ^2/NDF : 32.4/22

+ sign 227.437 ± 64.004 χ^2/NDF : 89.1/53

All: 155.916 ± 45.721 χ^2/NDF : 160.0/110

- sign 81.389 ± 65.336 χ^2/NDF : 68.3/56

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 603.664 $\pm$ 0.111 χ^2 /NDF: 4983557.6/28

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF: 1808454.4/24

Right Out: 615.835 $\pm$ 0.110 χ^2 /NDF: 6381642.0/33

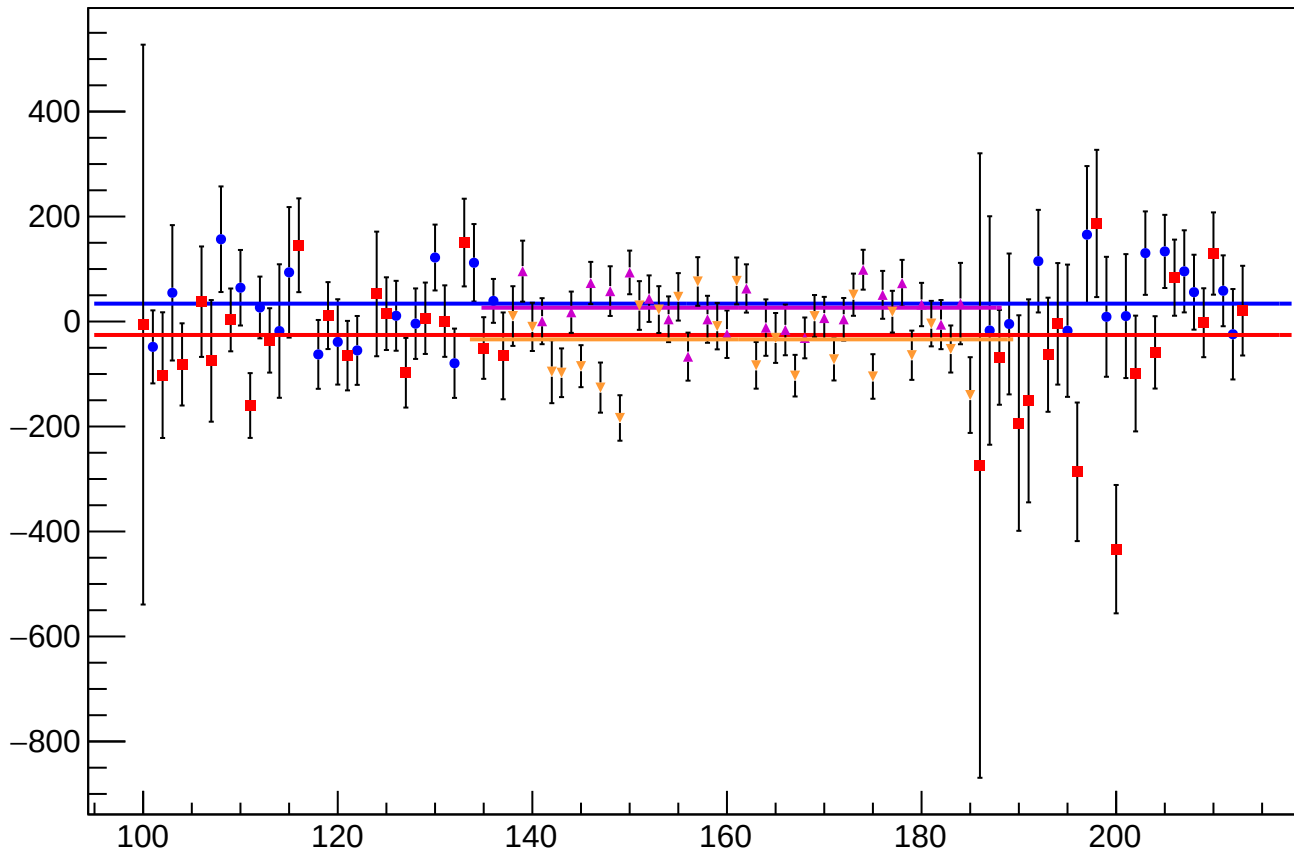
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF: 1407206.0/22

+ sign 350.445 $\pm$ 0.045 χ^2 /NDF: 13031254.1/53

All: 353.383 $\pm$ 0.032 χ^2 /NDF: 27566955.6/1

- sign 356.445 $\pm$ 0.046 χ^2 /NDF: 14527094.2/56

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.068 ± 14.425 χ^2/NDF : 21.7/28

Left Out: -33.955 ± 8.993 χ^2/NDF : 58.7/24

Right Out: -25.617 ± 14.358 χ^2/NDF : 44.2/33

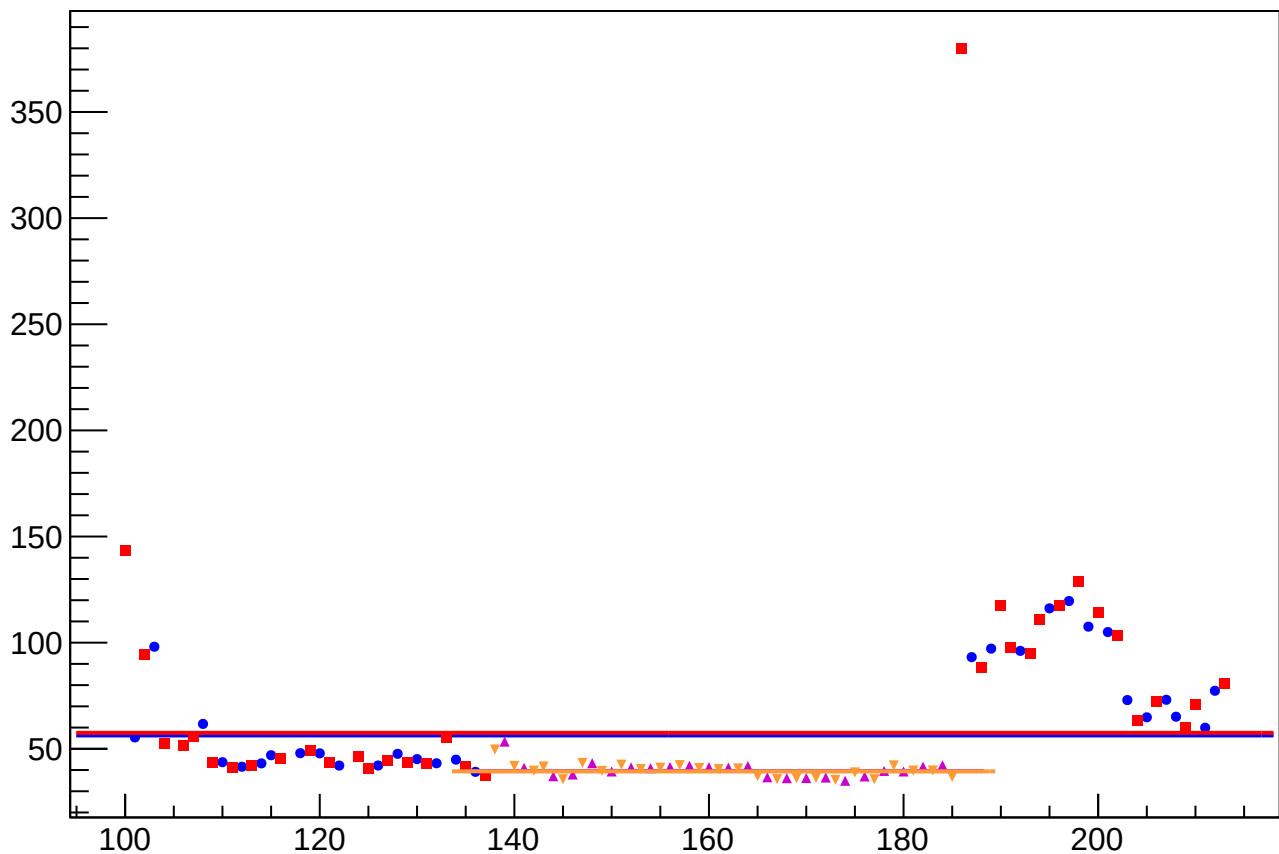
Left In: 26.267 ± 9.271 χ^2/NDF : 22.5/22

+ sign -14.915 ± 7.632 χ^2/NDF : 96.4/53

All: -2.222 ± 5.451 χ^2/NDF : 178.0/110

- sign 10.998 ± 7.789 χ^2/NDF : 75.9/56

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 56.294 $\pm$ 0.010 χ^2 /NDF: 3838064.6/28

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 57.526 $\pm$ 0.010 χ^2 /NDF: 5197368.0/33

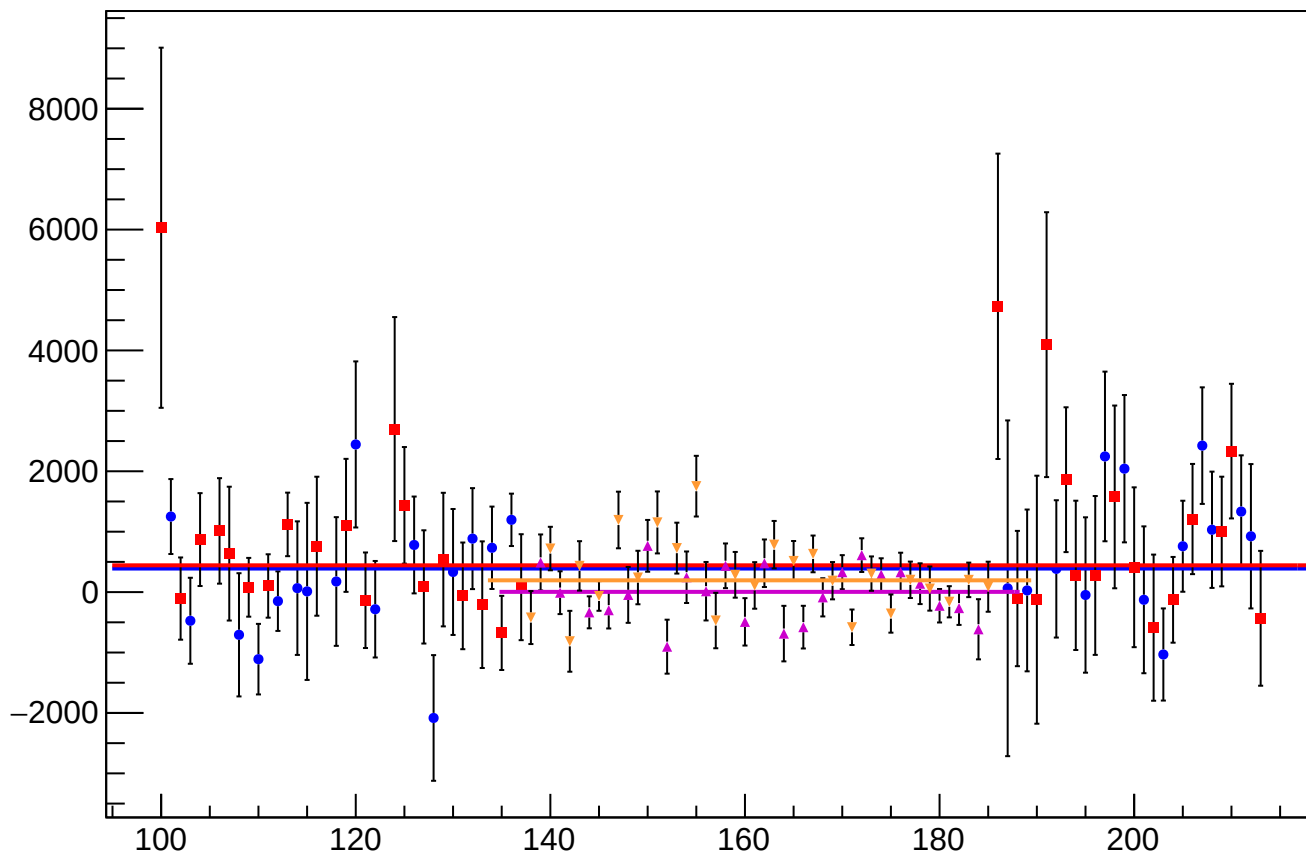
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 44.116 $\pm$ 0.005 χ^2 /NDF: 6046279.0/53

All: 44.450 $\pm$ 0.004 χ^2 /NDF: 13730343.7/110

- sign 44.798 $\pm$ 0.006 χ^2 /NDF: 7676235.3/56

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 390.041 ± 157.004 χ^2/NDF : 39.3/28

Left Out: 195.028 ± 70.093 χ^2/NDF : 48.6/24

Right Out: 443.365 ± 155.690 χ^2/NDF : 29.4/33

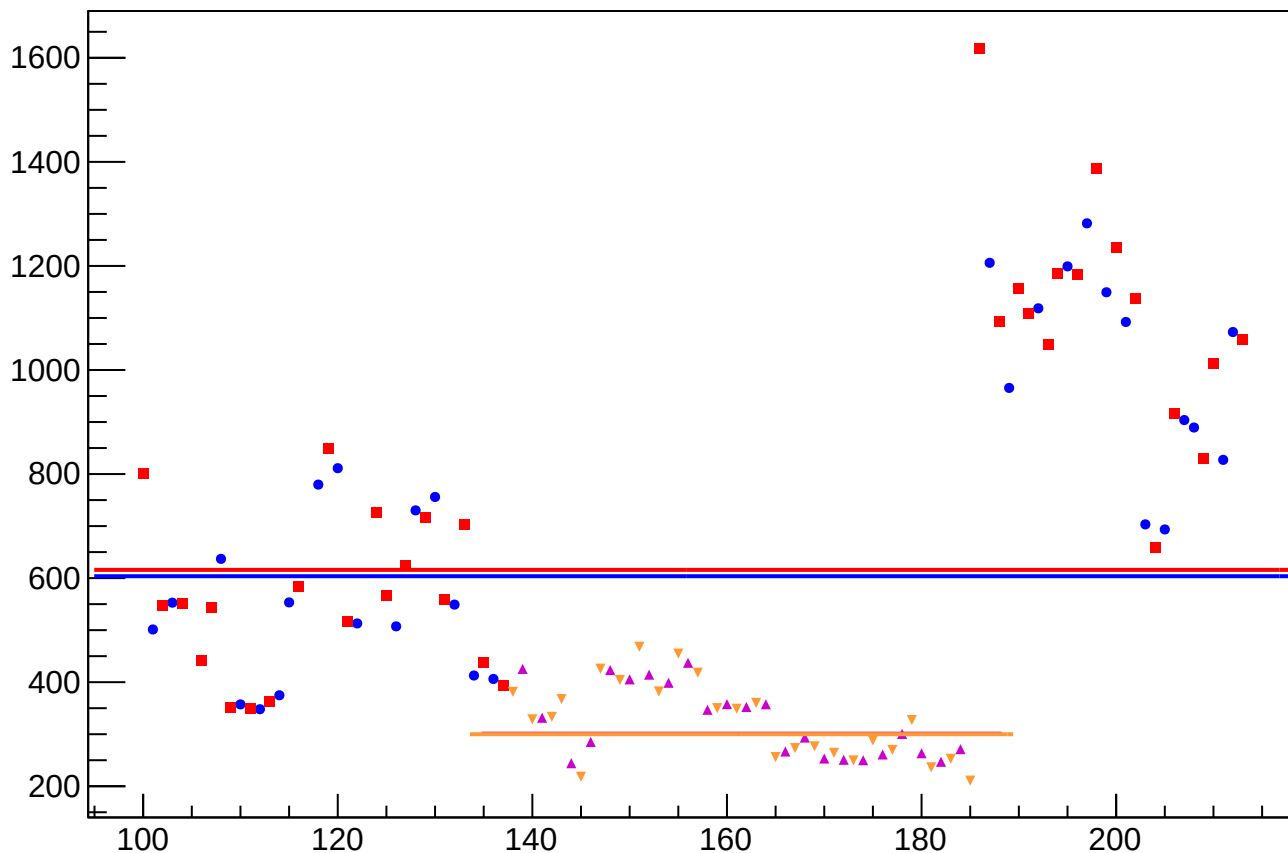
Left In: 4.014 ± 71.981 χ^2/NDF : 32.4/22

+ sign 227.437 ± 64.004 χ^2/NDF : 89.1/53

All: 155.916 ± 45.721 χ^2/NDF : 160.0/110

- sign 81.389 ± 65.336 χ^2/NDF : 68.3/56

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 603.664 $\pm$ 0.111 χ^2 /NDF: 4983557.6/28

Left Out: 299.976 $\pm$ 0.050 χ^2 /NDF: 1808454.4/24

Right Out: 615.835 $\pm$ 0.110 χ^2 /NDF: 6381642.0/33

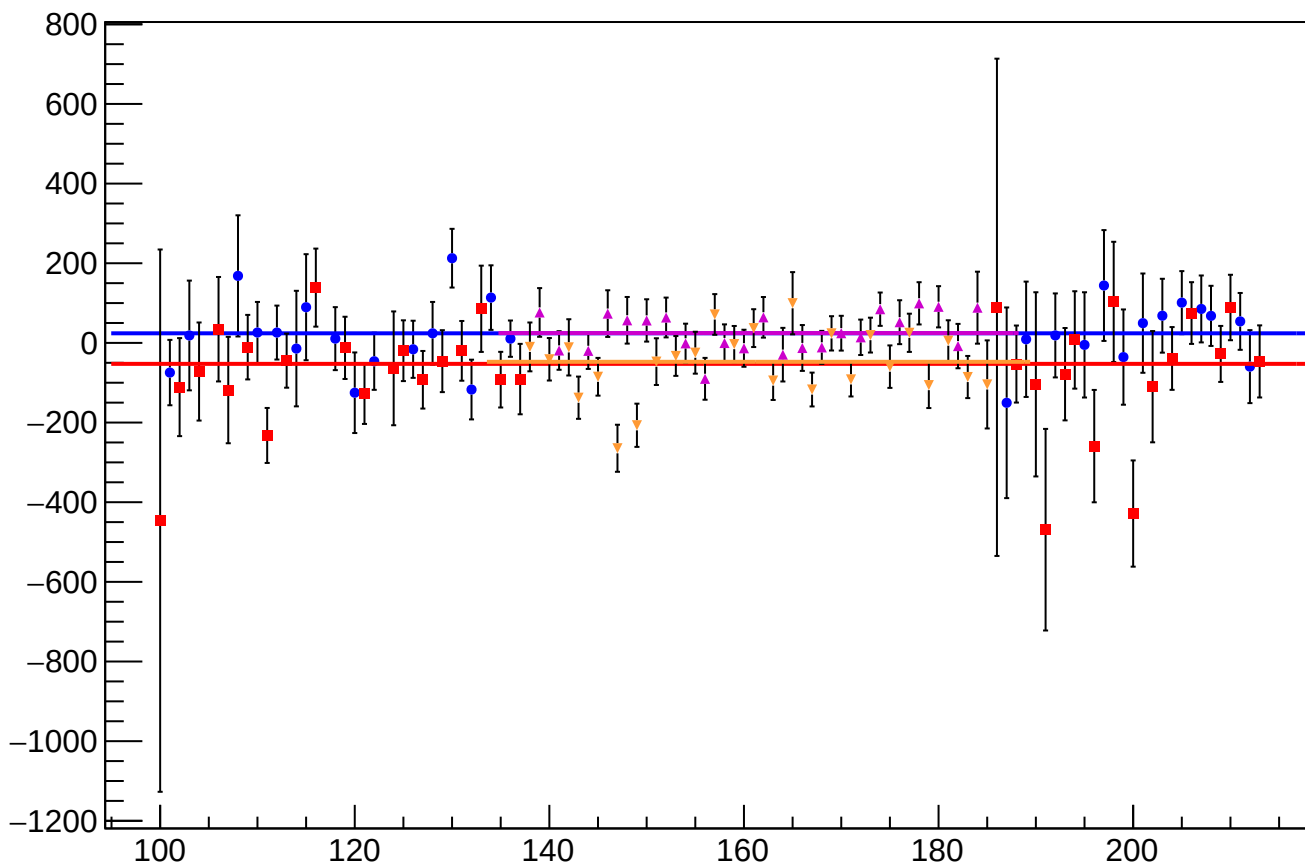
Left In: 300.999 $\pm$ 0.051 χ^2 /NDF: 1407206.0/22

+ sign 350.445 $\pm$ 0.045 χ^2 /NDF: 13031254.1/53

All: 353.383 $\pm$ 0.032 χ^2 /NDF: 27566955.6/1

- sign 356.445 $\pm$ 0.046 χ^2 /NDF: 14527094.2/56

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 24.081 $\pm$ 16.127 χ^2 /NDF: 22.2/28

Left Out: -47.480 $\pm$ 10.392 χ^2 /NDF: 54.7/24

Right Out: -52.635 $\pm$ 16.375 χ^2 /NDF: 36.5/33

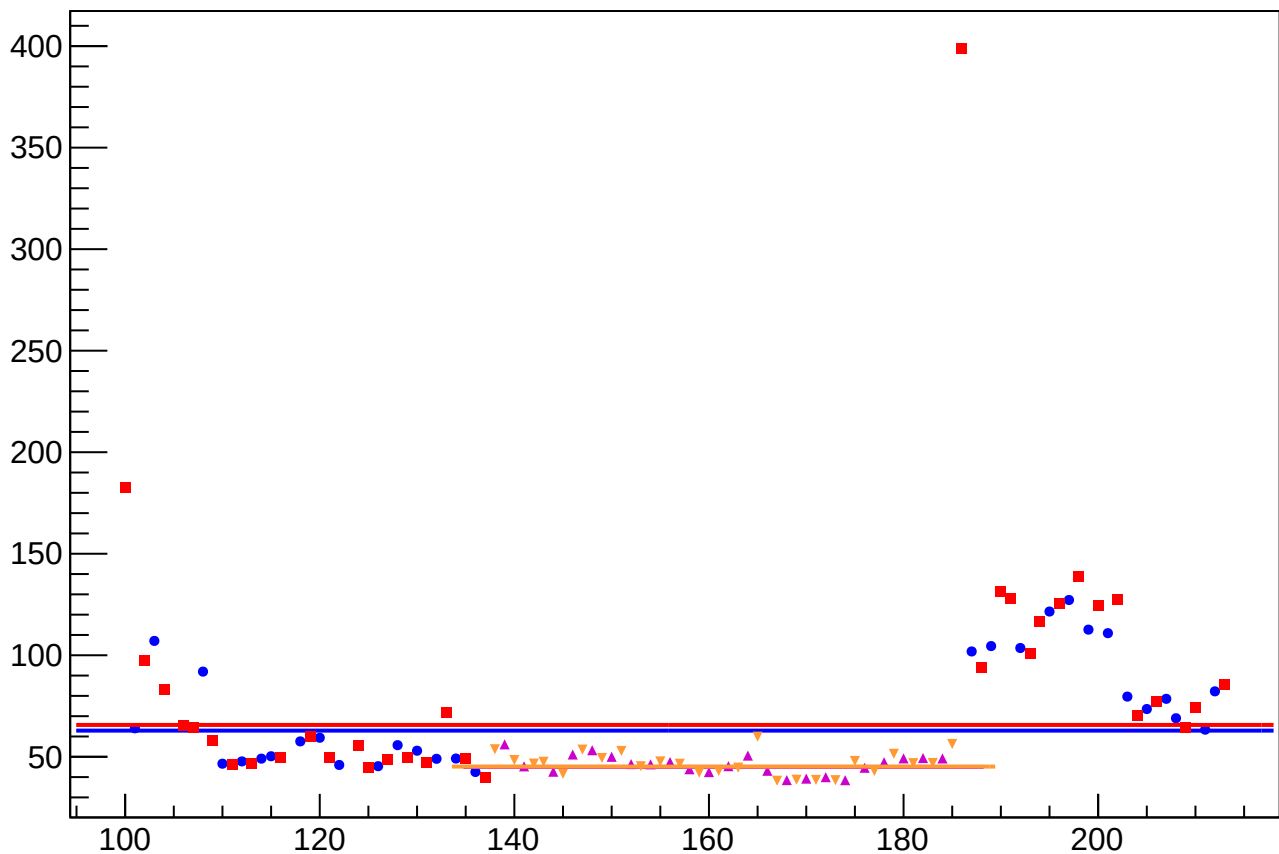
Left In: 24.687 $\pm$ 10.660 χ^2 /NDF: 19.7/22

+ sign -26.484 $\pm$ 8.736 χ^2 /NDF: 90.8/53

All: -12.721 $\pm$ 6.246 χ^2 /NDF: 167.7/110

- sign 1.673 $\pm$ 8.934 χ^2 /NDF: 71.8/56

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.892 ± 0.011 $\chi^2/\text{NDF}: 3577991.0/28$

Left Out: 45.175 ± 0.007 $\chi^2/\text{NDF}: 489860.2/24$

Right Out: 65.689 ± 0.012 $\chi^2/\text{NDF}: 4827882.8/33$

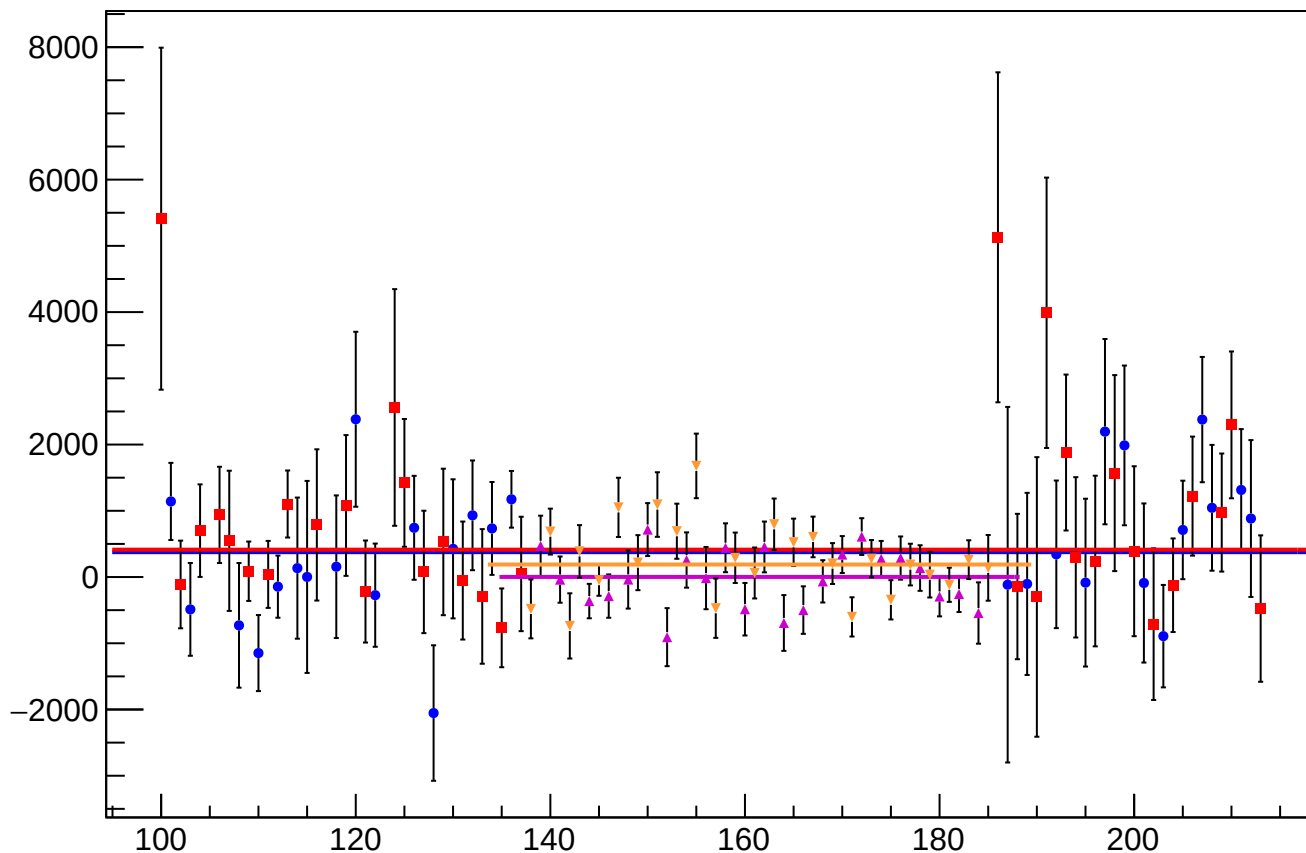
Left In: 45.017 ± 0.008 $\chi^2/\text{NDF}: 372690.8/22$

+ sign 50.373 ± 0.006 $\chi^2/\text{NDF}: 5773315.6/53$

All: 50.763 ± 0.004 $\chi^2/\text{NDF}: 13220455.9/110$

- sign 51.170 ± 0.006 $\chi^2/\text{NDF}: 7439006.0/56$

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 375.489 ± 154.007 χ^2/NDF : 39.1/28

Left Out: 188.812 ± 69.714 χ^2/NDF : 46.8/24

Right Out: 413.073 ± 149.750 χ^2/NDF : 32.2/33

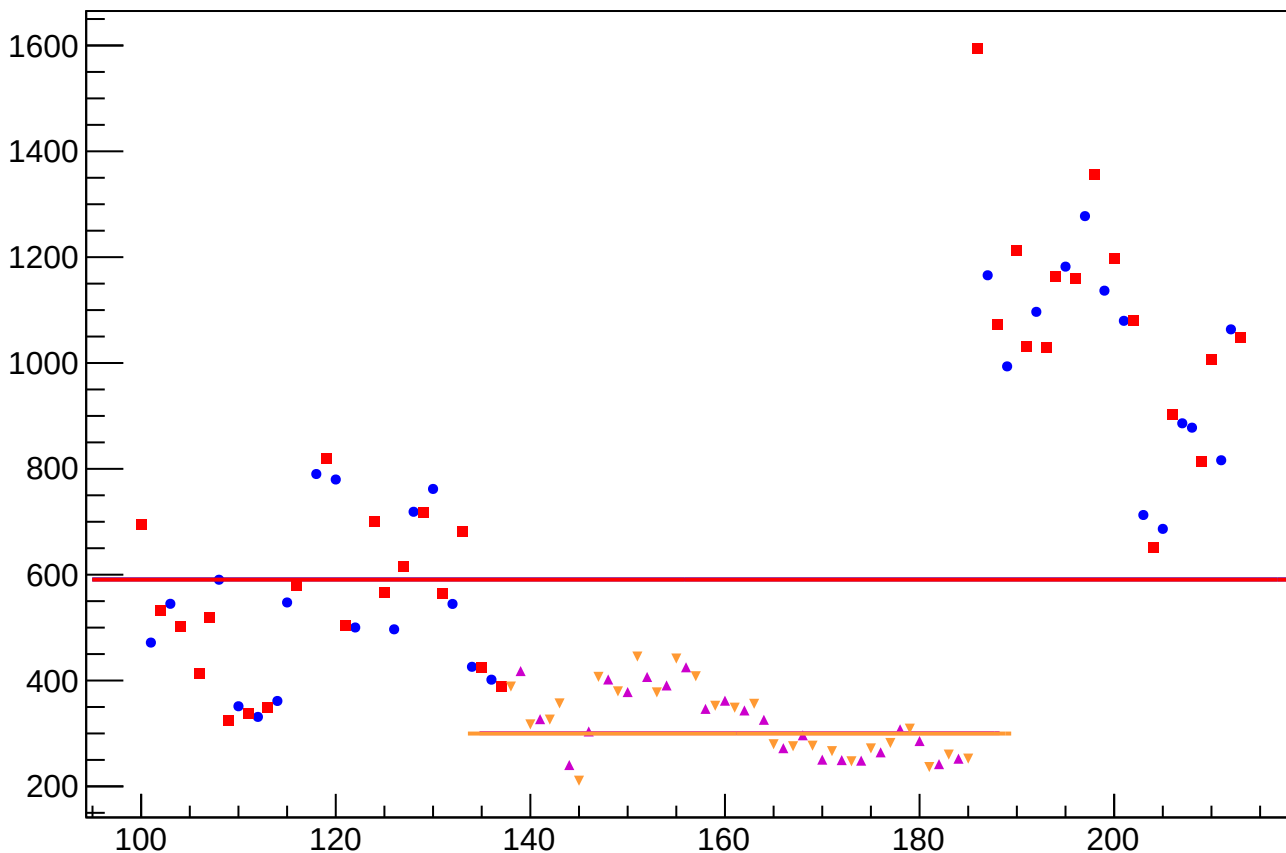
Left In: 1.655 ± 71.712 χ^2/NDF : 32.2/22

+ sign 220.558 ± 63.510 χ^2/NDF : 87.1/53

All: 150.777 ± 45.316 χ^2/NDF : 160.2/110

- sign 78.403 ± 64.679 χ^2/NDF : 70.6/56

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 591.095+/-0.109 χ^2/NDF : 5138478.3/28

Left Out: 299.798+/-0.049 χ^2/NDF :1577420.4/24

Right Out: 590.666+/-0.106 χ^2/NDF : 6724321.9/33

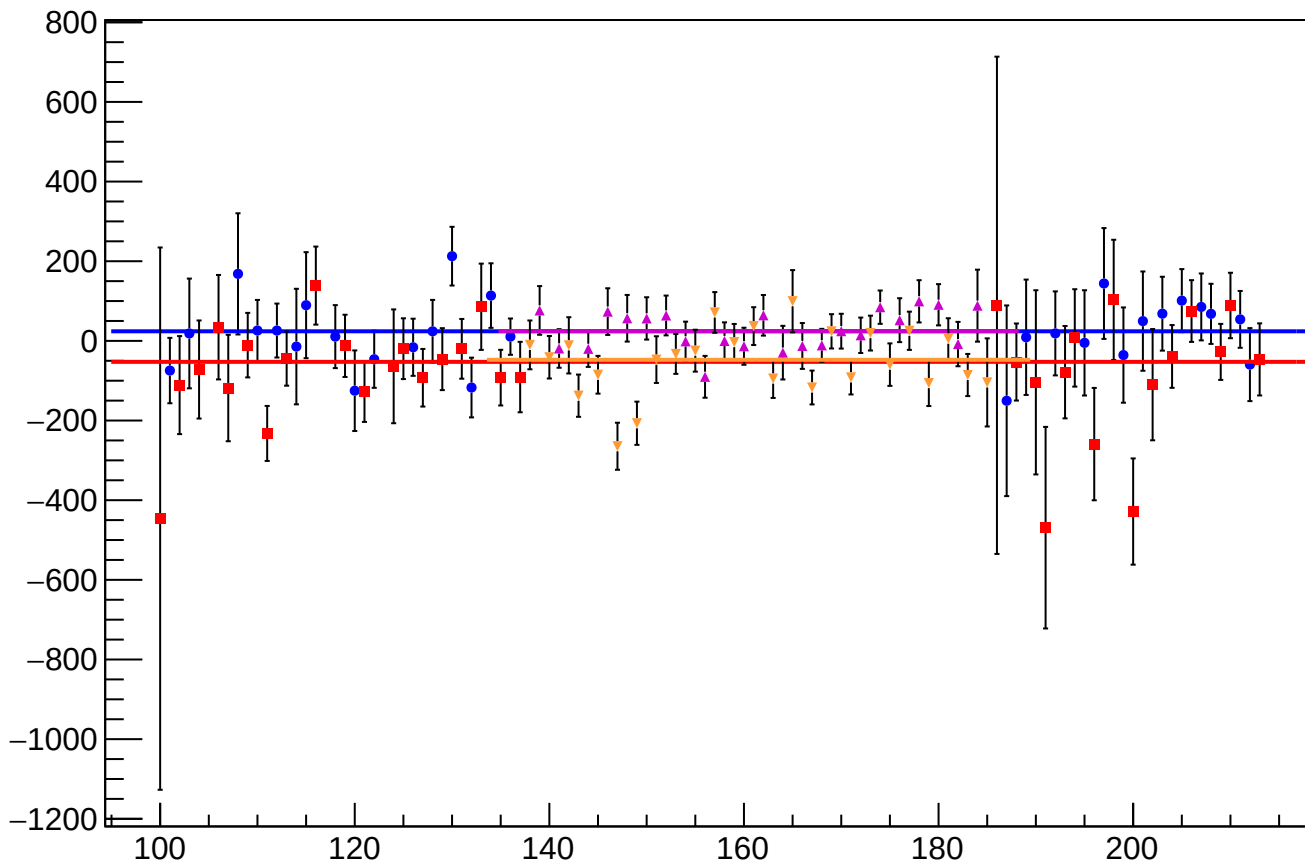
Left In: 300.544+/-0.051 χ^2/NDF :1259270.5/22

+ sign 349.336+/-0.045 χ^2/NDF : 12654243.6/53

All: 351.952+/-0.032 χ^2/NDF : 26751204.6/11

- sign 354.665+/-0.046 χ^2/NDF : 14090048.1/56

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 24.081 $\pm$ 16.127 χ^2 /NDF: 22.2/28

Left Out: -47.480 $\pm$ 10.392 χ^2 /NDF: 54.7/24

Right Out: -52.636 $\pm$ 16.375 χ^2 /NDF: 36.5/33

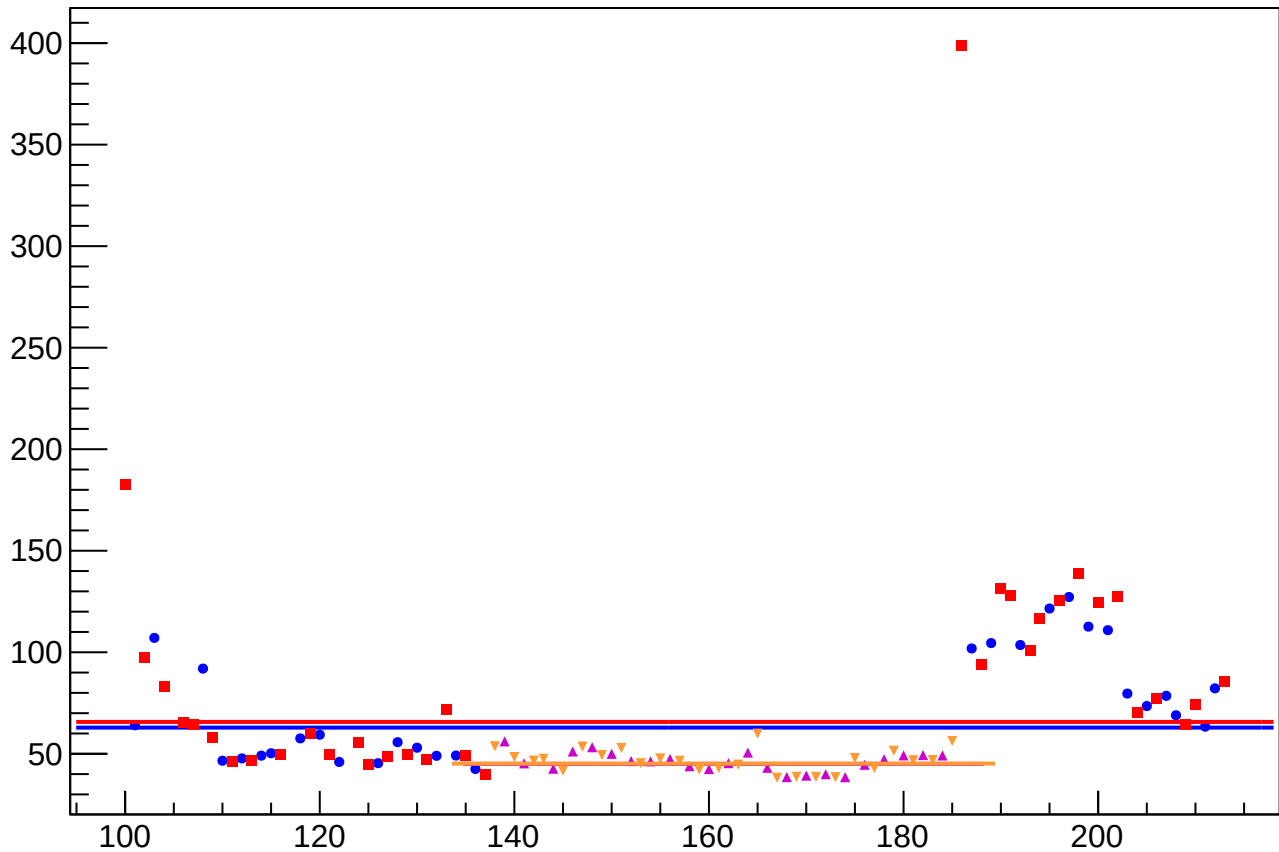
Left In: 24.687 $\pm$ 10.660 χ^2 /NDF: 19.7/22

+ sign -26.484 $\pm$ 8.736 χ^2 /NDF: 90.8/53

All: -12.721 $\pm$ 6.246 χ^2 /NDF: 167.7/110

- sign 1.673 $\pm$ 8.934 χ^2 /NDF: 71.8/56

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.892 ± 0.011 $\chi^2/\text{NDF}: 3577996.0/28$

Left Out: 45.175 ± 0.007 $\chi^2/\text{NDF}: 489860.2/24$

Right Out: 65.689 ± 0.012 $\chi^2/\text{NDF}: 4827886.6/33$

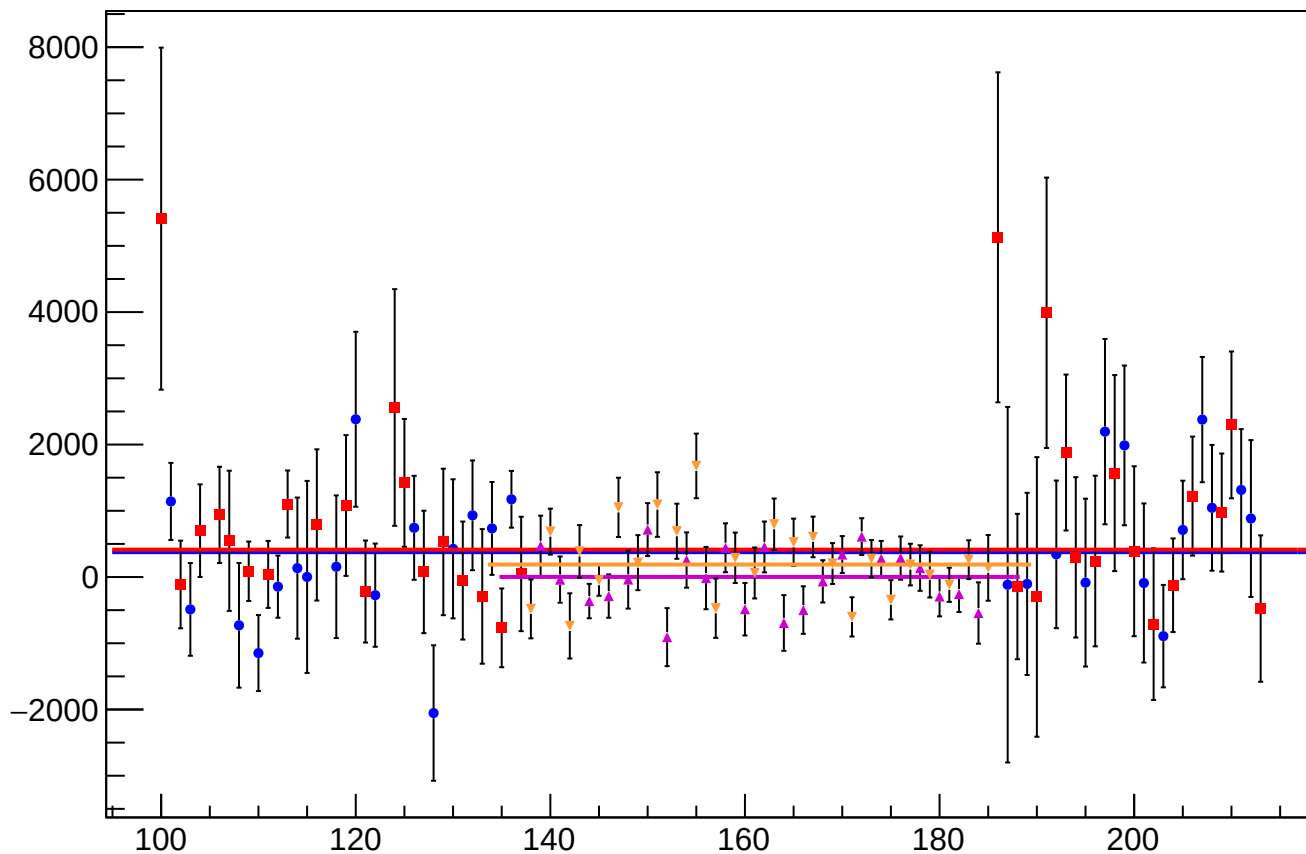
Left In: 45.017 ± 0.008 $\chi^2/\text{NDF}: 372691.9/22$

+ sign 50.373 ± 0.006 $\chi^2/\text{NDF}: 5773320.4/53$

All: 50.763 ± 0.004 $\chi^2/\text{NDF}: 13220464.4/110$

- sign 51.170 ± 0.006 $\chi^2/\text{NDF}: 7439008.9/56$

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 375.487 ± 154.007 χ^2/NDF : 39.1/28

Left Out: 188.813 ± 69.714 χ^2/NDF : 46.8/24

Right Out: 413.073 ± 149.750 χ^2/NDF : 32.2/33

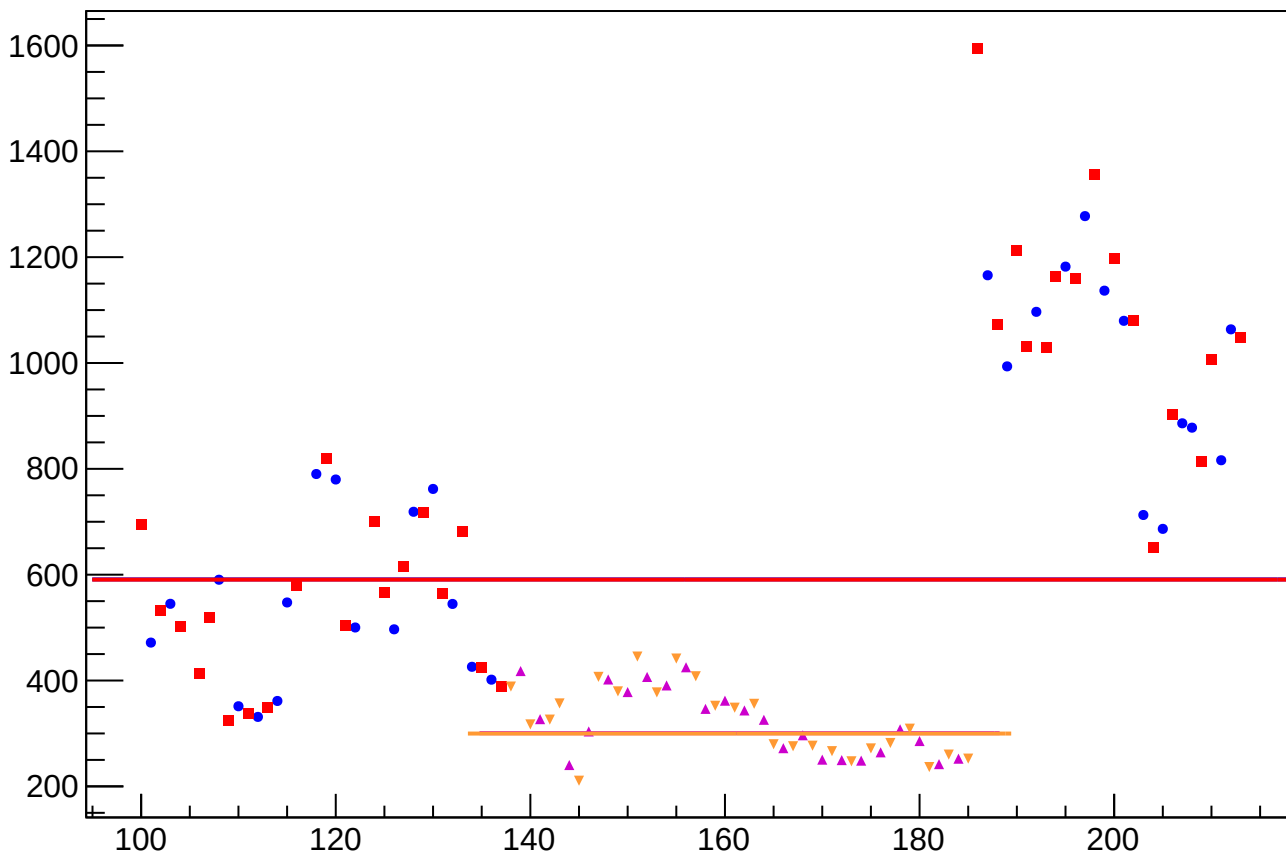
Left In: 1.654 ± 71.712 χ^2/NDF : 32.2/22

+ sign 220.558 ± 63.510 χ^2/NDF : 87.1/53

All: 150.777 ± 45.316 χ^2/NDF : 160.2/110

- sign 78.403 ± 64.679 χ^2/NDF : 70.6/56

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 591.094+/-0.109 χ^2/NDF : 5138495.9/28

Left Out: 299.798+/-0.049 χ^2/NDF : 1577421.4/24

Right Out: 590.665+/-0.106 χ^2/NDF : 6724335.1/33

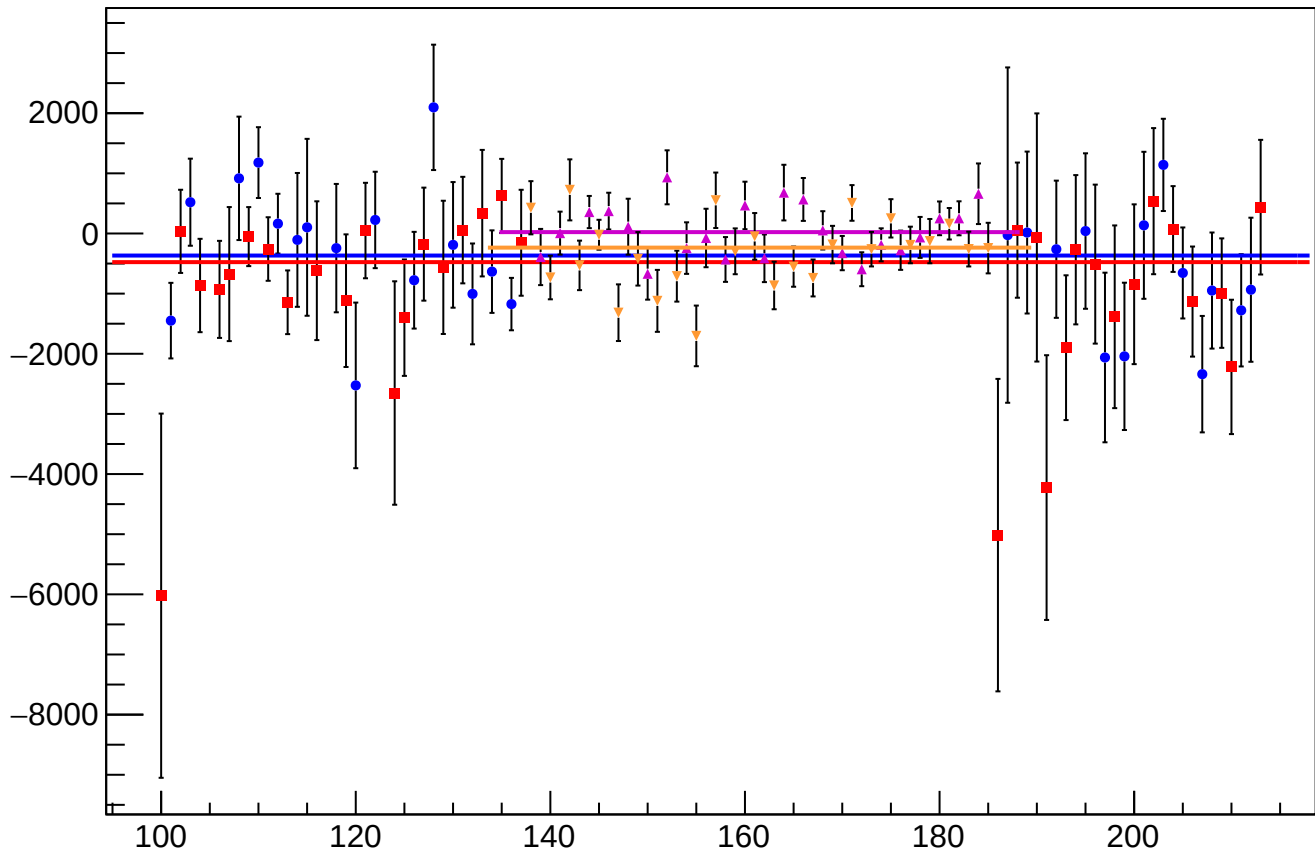
Left In: 300.544+/-0.051 χ^2/NDF : 1259265.2/22

+ sign 349.336+/-0.045 χ^2/NDF : 12654229.8/53

All: 351.952+/-0.032 χ^2/NDF : 26751155.5/11

- sign 354.666+/-0.046 χ^2/NDF : 14090012.3/56

asym_sam_15_37_dd_mean vs Slug



Right In: -366.894 ± 157.952 χ^2/NDF : 40.7/28

Left Out: -235.168 ± 70.741 χ^2/NDF : 47.5/24

Right Out: -476.283 ± 156.157 χ^2/NDF : 27.8/33

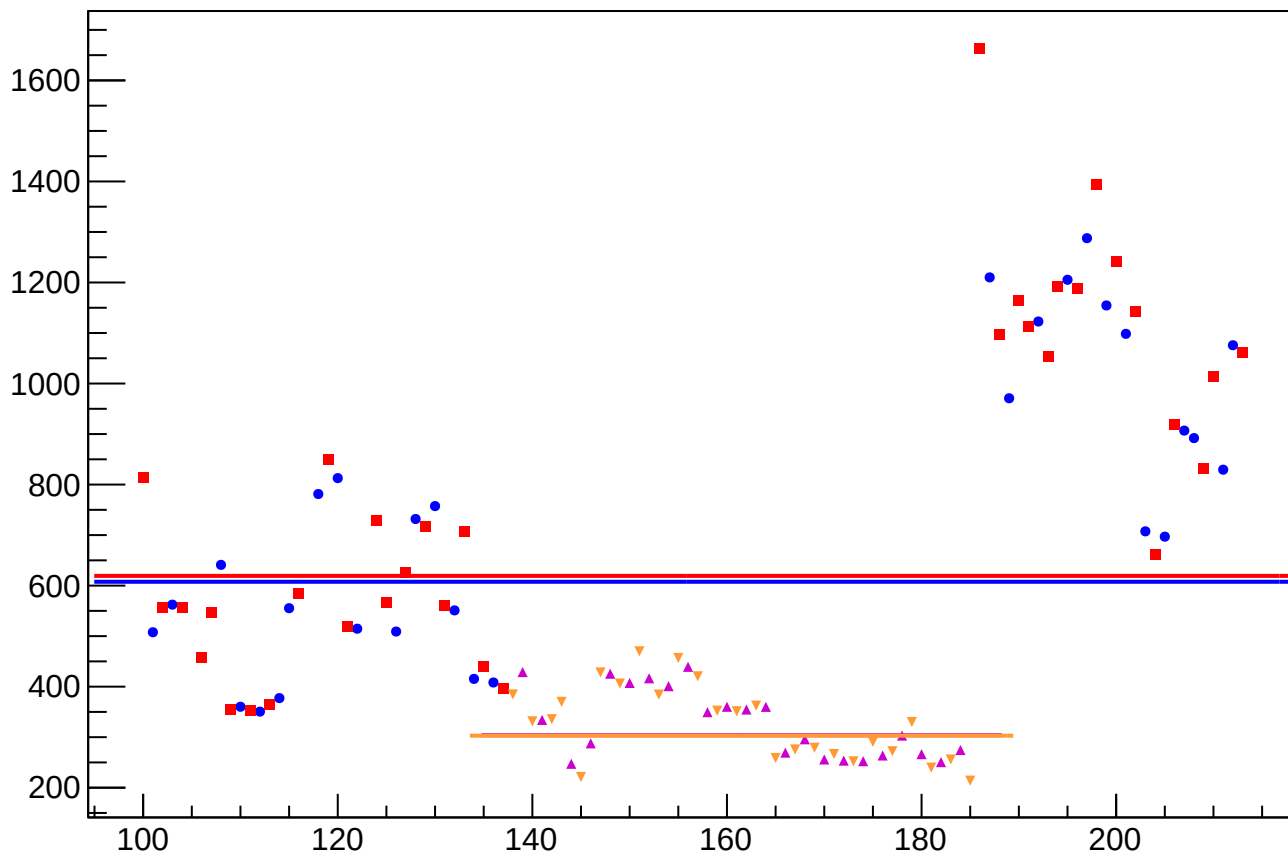
Left In: 22.662 ± 72.642 χ^2/NDF : 29.9/22

+ sign -257.176 ± 64.562 χ^2/NDF : 88.7/53

All: -163.546 ± 46.106 χ^2/NDF : 159.0/110

- sign -66.101 ± 65.864 χ^2/NDF : 66.0/56

asym_sam_15_37_dd_rms vs Slug



Right In: 607.620 $\pm$ 0.112 χ^2 /NDF: 4953408.2/28

Left Out: 302.944 $\pm$ 0.050 χ^2 /NDF: 1766061.8/24

Right Out: 619.253 $\pm$ 0.110 χ^2 /NDF: 6354922.0/33

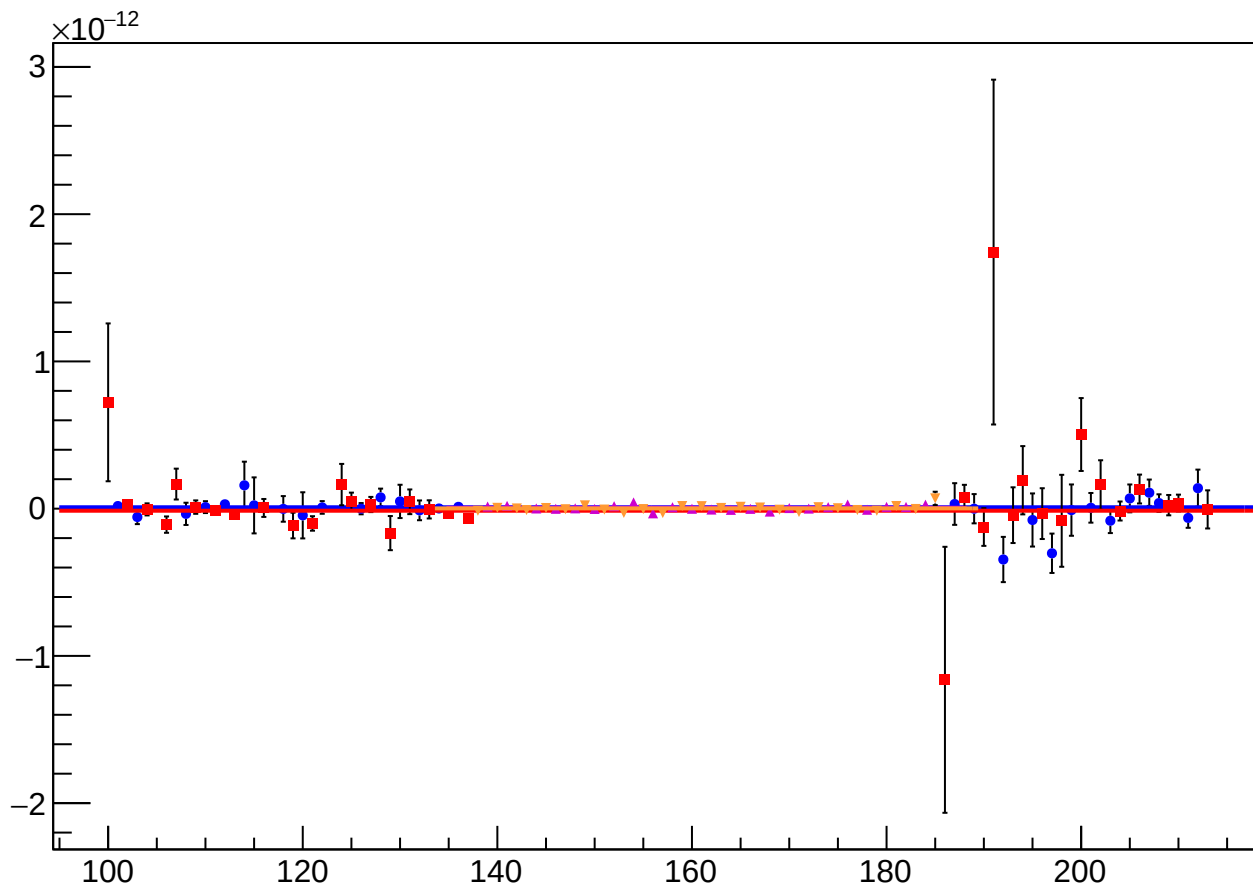
Left In: 303.923 $\pm$ 0.051 χ^2 /NDF: 1376278.3/22

+ sign 353.846 $\pm$ 0.046 χ^2 /NDF: 12917686.9/53

All: 356.872 $\pm$ 0.033 χ^2 /NDF: 27362314.0/11

- sign 360.021 $\pm$ 0.047 χ^2 /NDF: 14435663.3/56

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 39.7/33

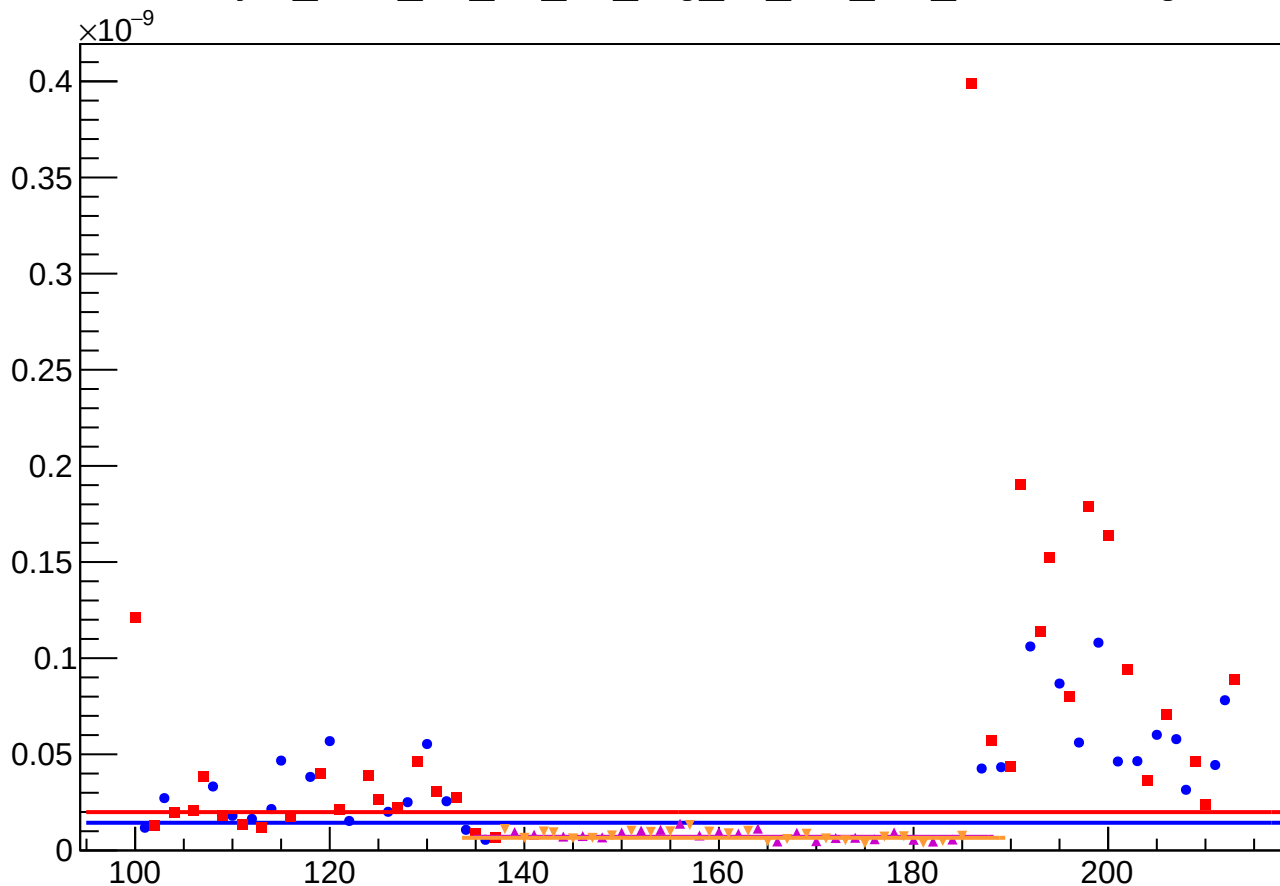
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 107.7/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.9/56

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6984171.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6903877.2/33

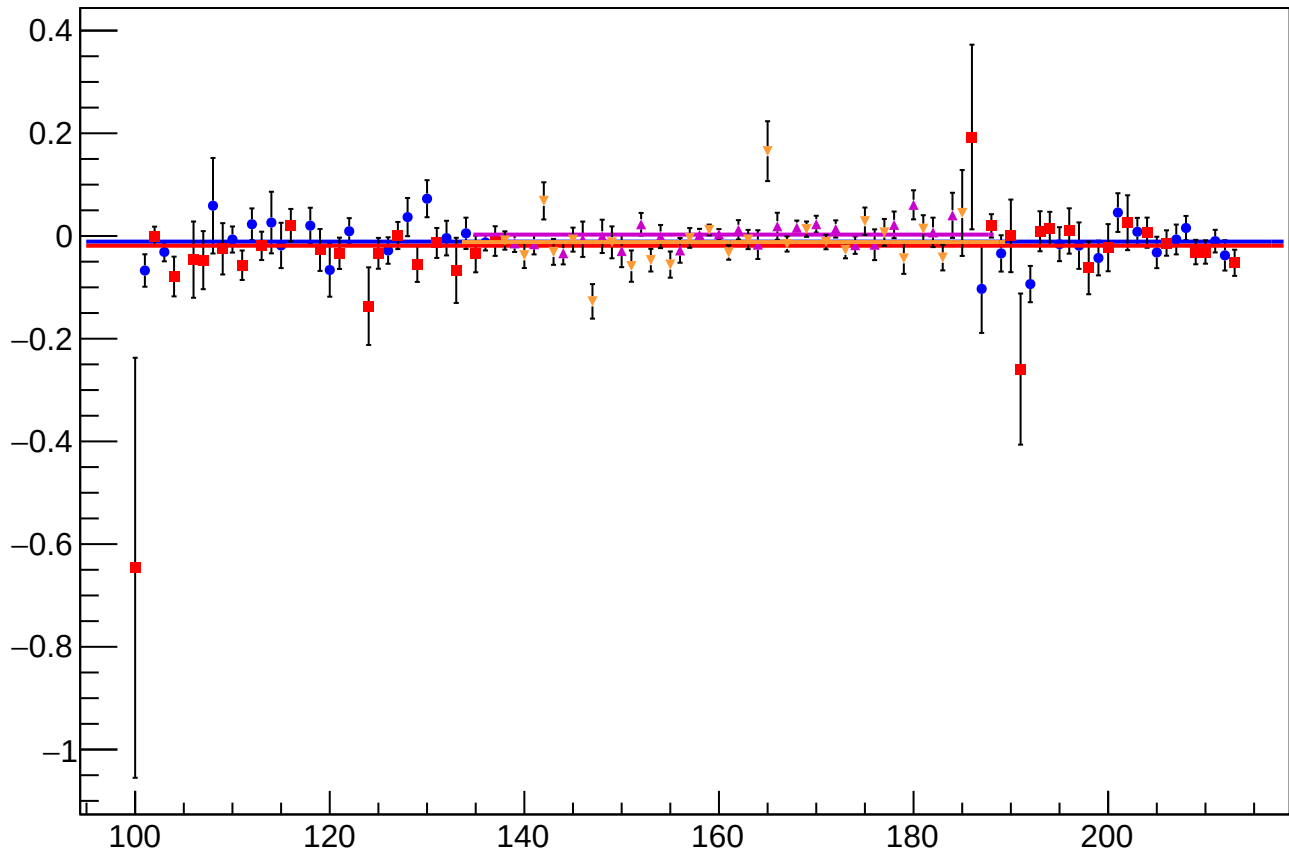
Left In: 0.000+/-0.000 χ^2/NDF : 981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 10326413.1/53

All: 0.000+/-0.000 χ^2/NDF : 21558840.8/110

- sign 0.000+/-0.000 χ^2/NDF : 11155096.3/56

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.006 χ^2/NDF : 30.3/28

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.006 χ^2/NDF : 28.4/33

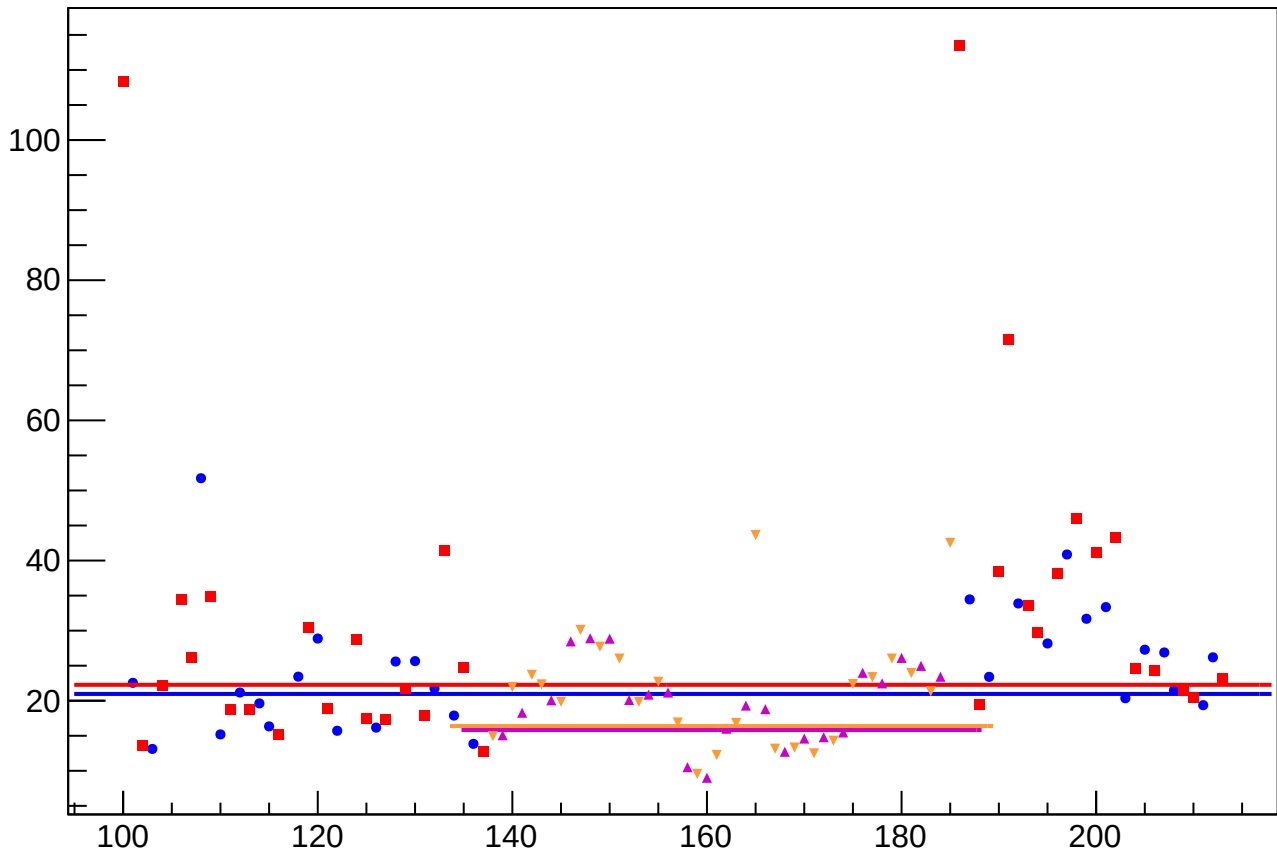
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.012 ± 0.003 χ^2/NDF : 83.7/53

All: -0.008 ± 0.002 χ^2/NDF : 143.7/110

- sign -0.004 ± 0.003 χ^2/NDF : 57.7/56

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.967 $\pm$ 0.004 χ^2 /NDF: 2901239.4/28

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030028.3/24

Right Out: 22.269 $\pm$ 0.004 χ^2 /NDF: 4114861.8/33

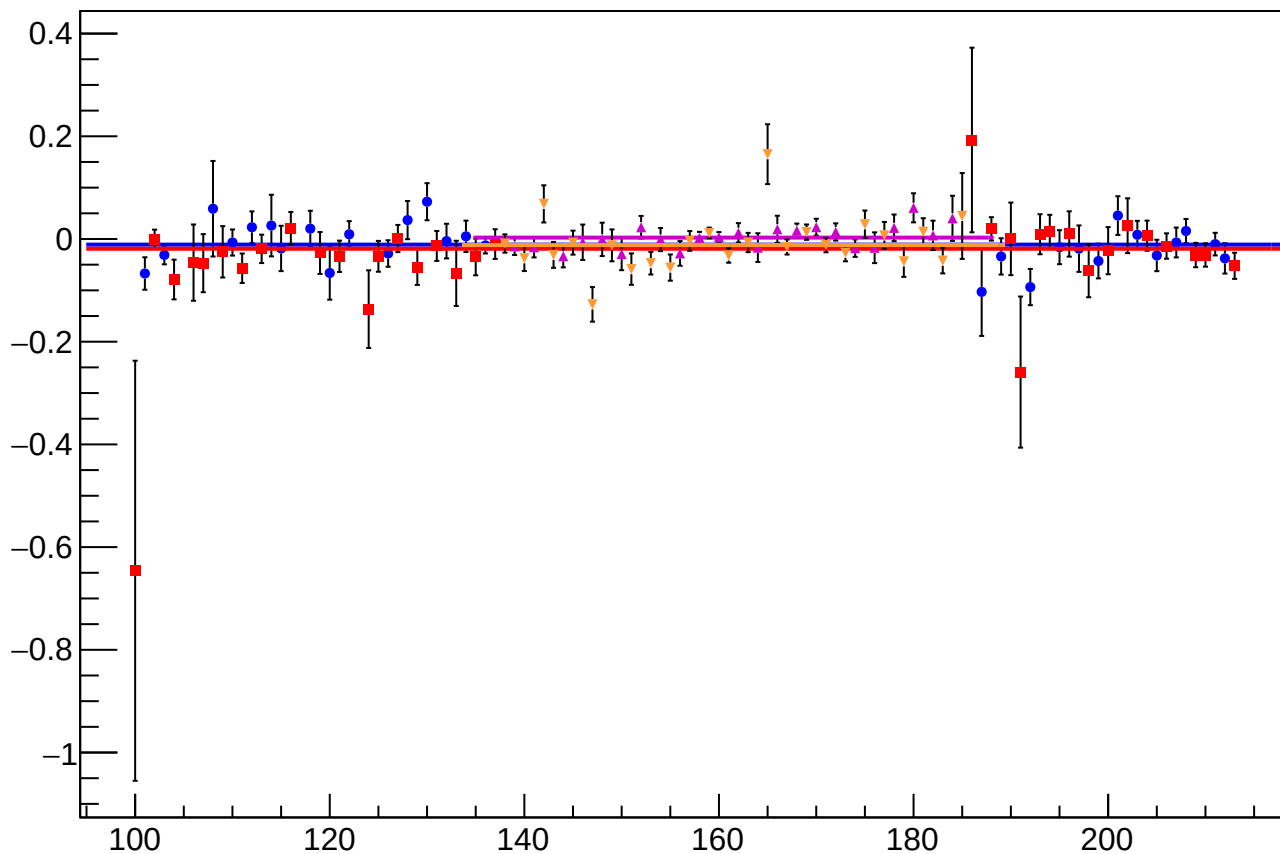
Left In: 15.824 $\pm$ 0.003 χ^2 /NDF: 3654469.7/22

+ sign 17.993 $\pm$ 0.002 χ^2 /NDF: 7820514.1/53

All: 17.973 $\pm$ 0.002 χ^2 /NDF: 17271479.5/110

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 9450818.6/56

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.006 χ^2/NDF : 30.3/28

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.006 χ^2/NDF : 28.4/33

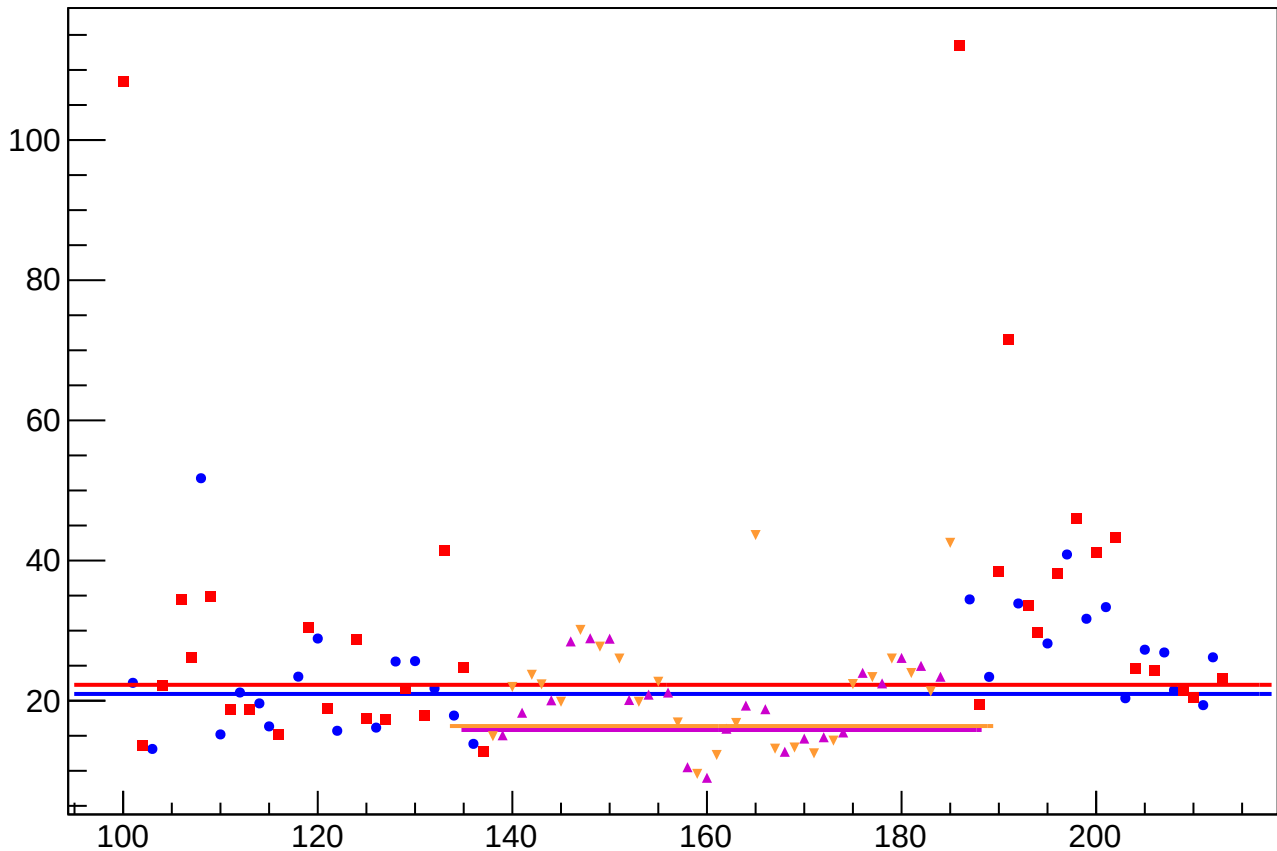
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.012 ± 0.003 χ^2/NDF : 83.7/53

All: -0.008 ± 0.002 χ^2/NDF : 143.7/110

- sign -0.004 ± 0.003 χ^2/NDF : 57.7/56

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.967 $\pm$ 0.004 χ^2 /NDF: 2901239.4/28

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030028.3/24

Right Out: 22.269 $\pm$ 0.004 χ^2 /NDF: 4114861.8/33

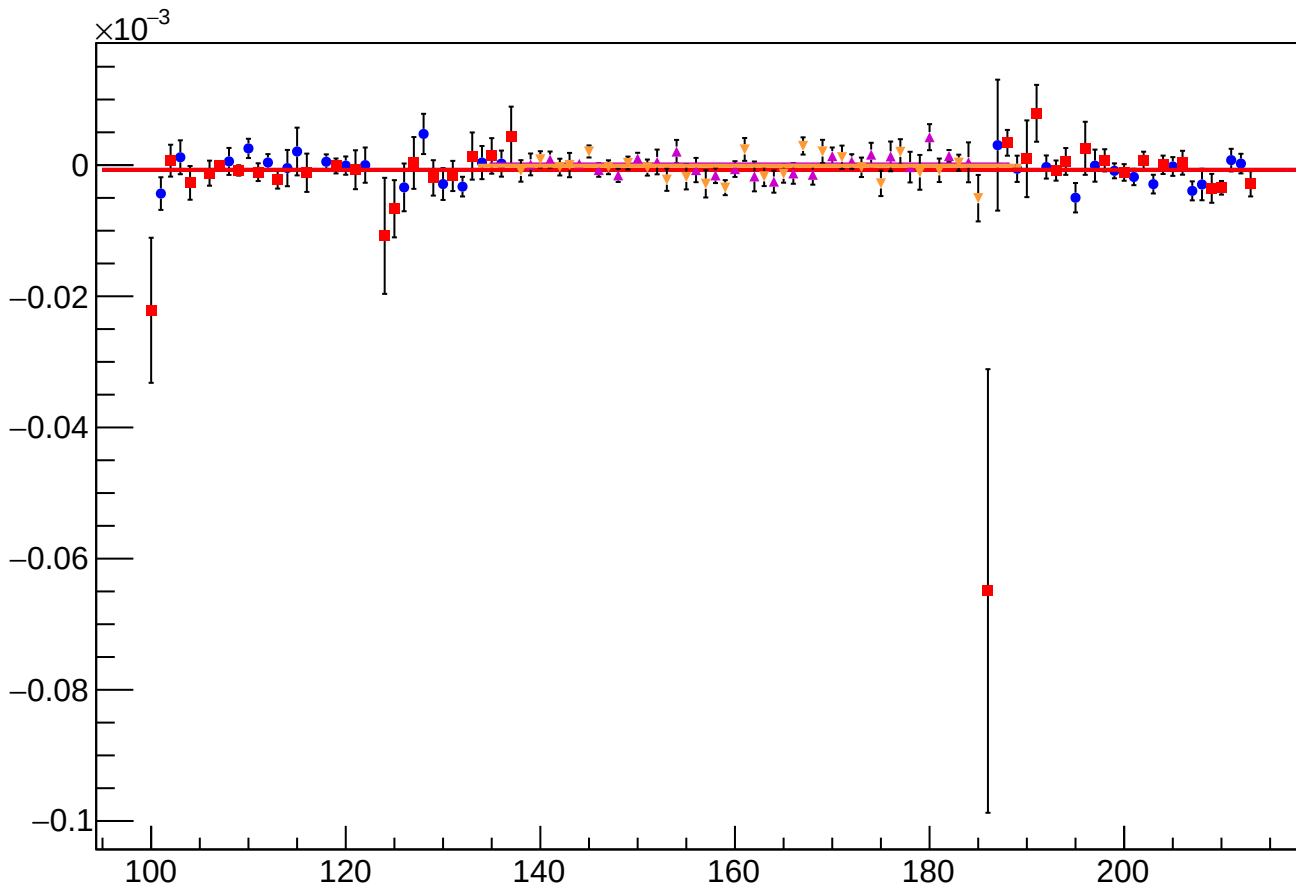
Left In: 15.824 $\pm$ 0.003 χ^2 /NDF: 3654469.7/22

+ sign 17.993 $\pm$ 0.002 χ^2 /NDF: 7820514.1/53

All: 17.973 $\pm$ 0.002 χ^2 /NDF: 17271479.5/110

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 9450818.6/56

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 32.7/28

Left Out: -0.000+/-0.000 χ^2 /NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 38.4/33

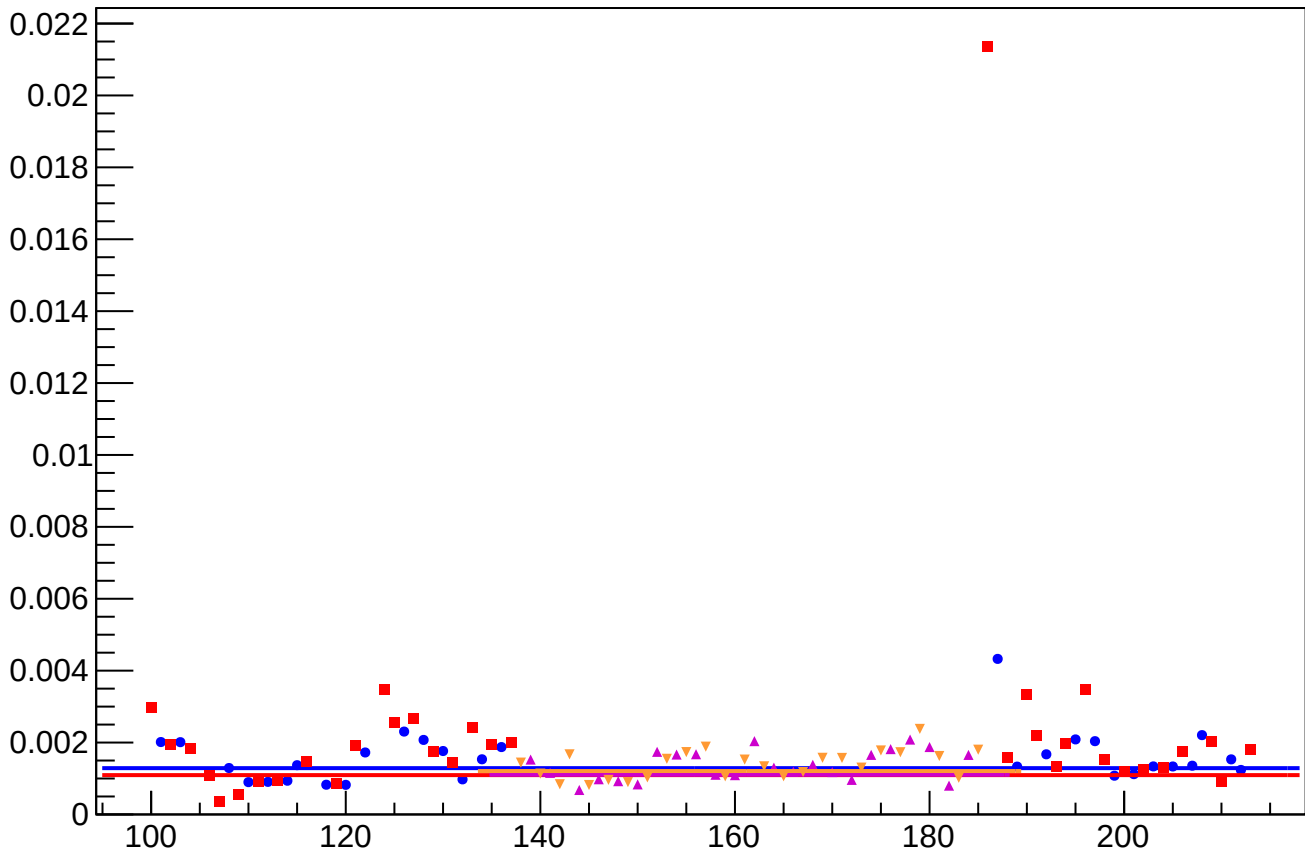
Left In: 0.000+/-0.000 χ^2 /NDF:21.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 70.9/53

All: -0.000+/-0.000 χ^2 /NDF: 135.6/110

- sign -0.000+/-0.000 χ^2 /NDF: 64.6/56

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3101299.8/28

Left Out: 0.001+/-0.000 χ^2/NDF : 2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 8655407.9/33

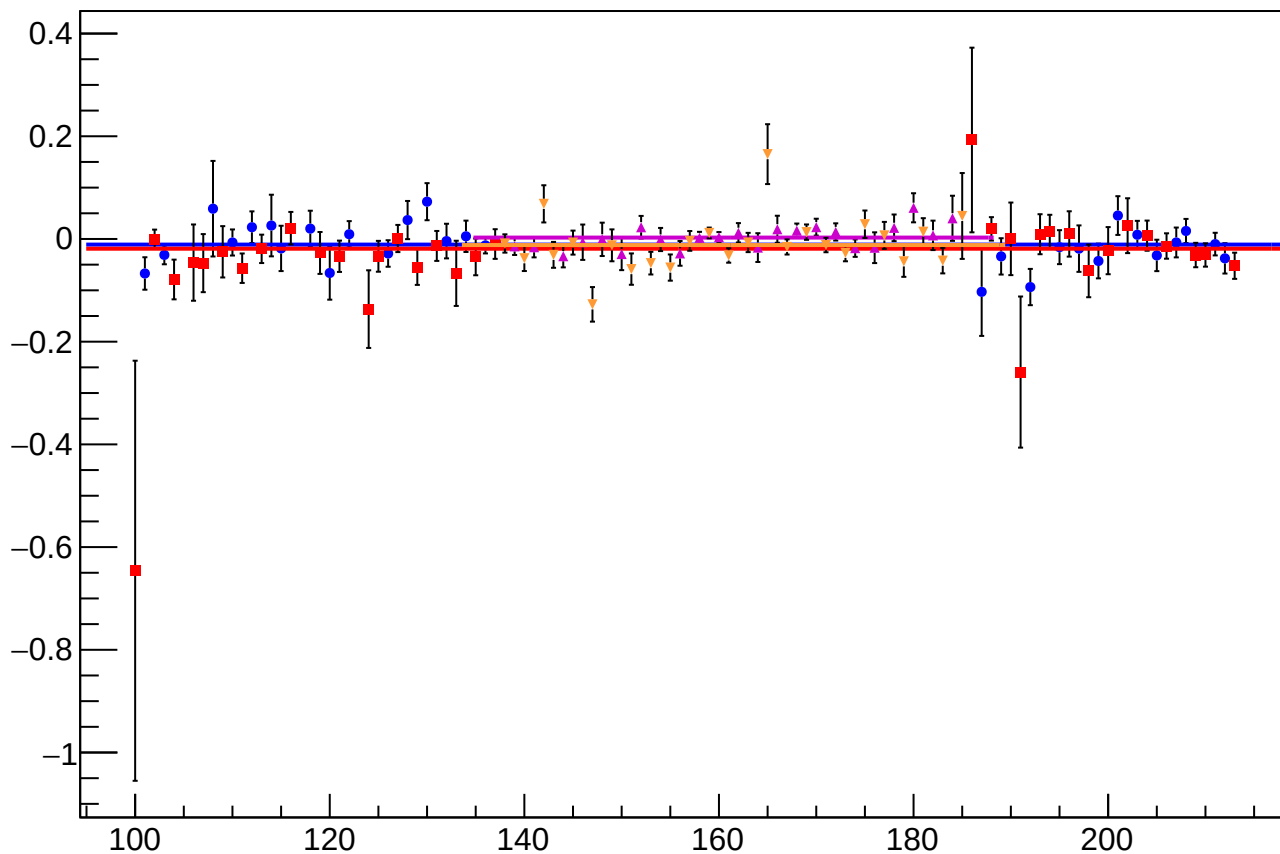
Left In: 0.001+/-0.000 χ^2/NDF : 3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 5889694.3/53

All: 0.001+/-0.000 χ^2/NDF : 18513581.8/110

- sign 0.001+/-0.000 χ^2/NDF : 12151583.8/56

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.006 χ^2/NDF : 30.3/28

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.006 χ^2/NDF : 28.4/33

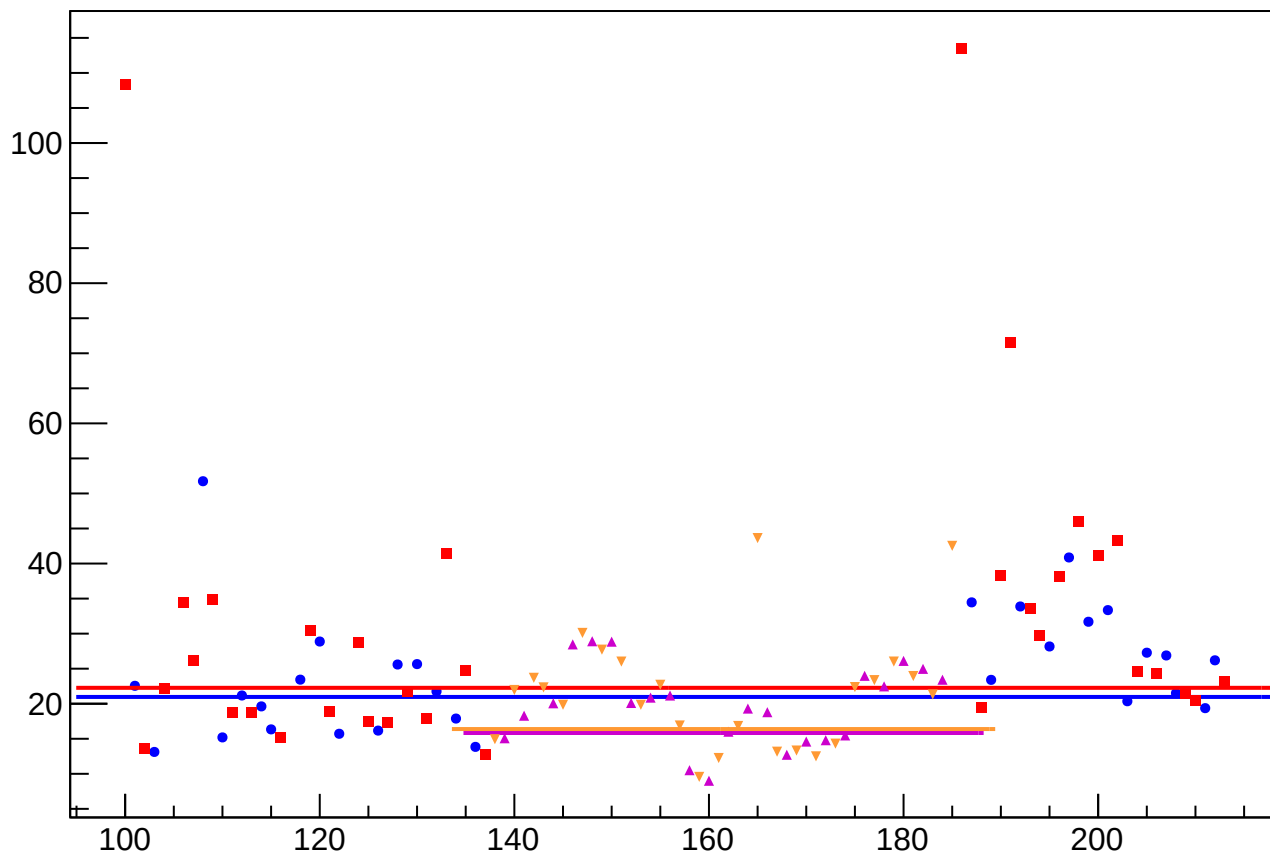
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.012 ± 0.003 χ^2/NDF : 83.7/53

All: -0.008 ± 0.002 χ^2/NDF : 143.7/110

- sign -0.004 ± 0.003 χ^2/NDF : 57.7/56

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.967 $\pm$ 0.004 χ^2 /NDF: 2901265.0/28

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030277.2/24

Right Out: 22.269 $\pm$ 0.004 χ^2 /NDF: 4114604.6/33

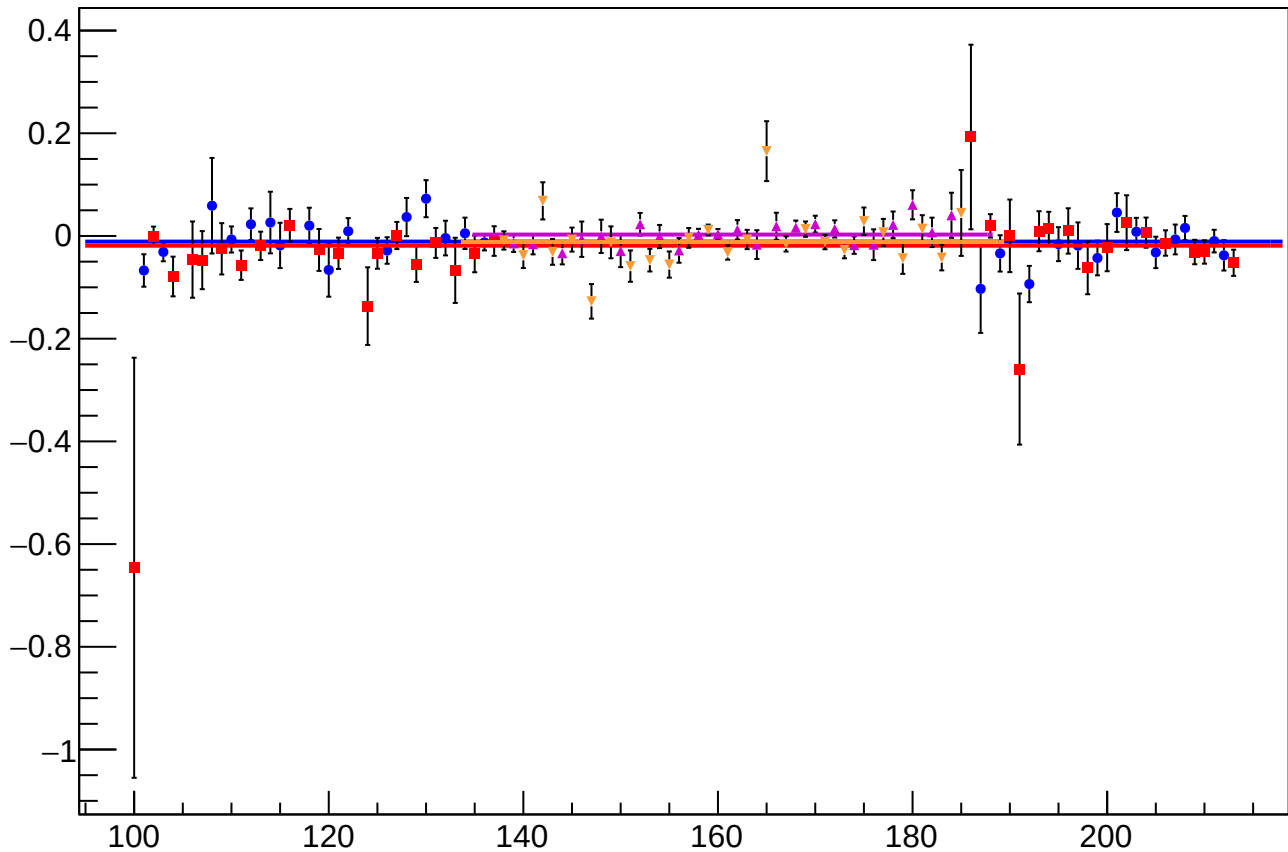
Left In: 15.823 $\pm$ 0.003 χ^2 /NDF: 3654834.3/22

+ sign 17.992 $\pm$ 0.002 χ^2 /NDF: 7820867.5/53

All: 17.973 $\pm$ 0.002 χ^2 /NDF: 17272254.9/110

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 9451240.9/56

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.006 χ^2/NDF : 30.3/28

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.006 χ^2/NDF : 28.4/33

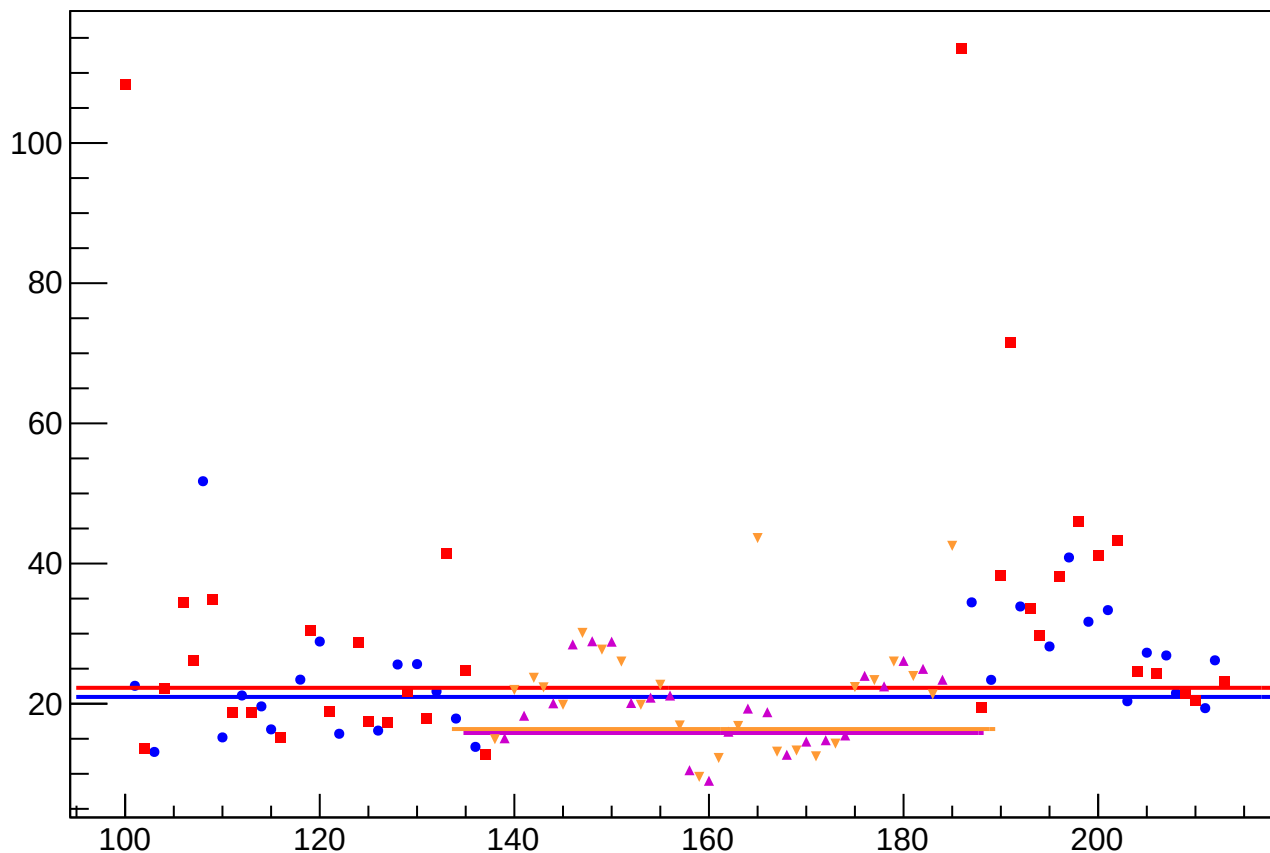
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.012 ± 0.003 χ^2/NDF : 83.7/53

All: -0.008 ± 0.002 χ^2/NDF : 143.7/110

- sign -0.004 ± 0.003 χ^2/NDF : 57.7/56

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.967 $\pm$ 0.004 χ^2 /NDF: 2901265.0/28

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030277.2/24

Right Out: 22.269 $\pm$ 0.004 χ^2 /NDF: 4114604.6/33

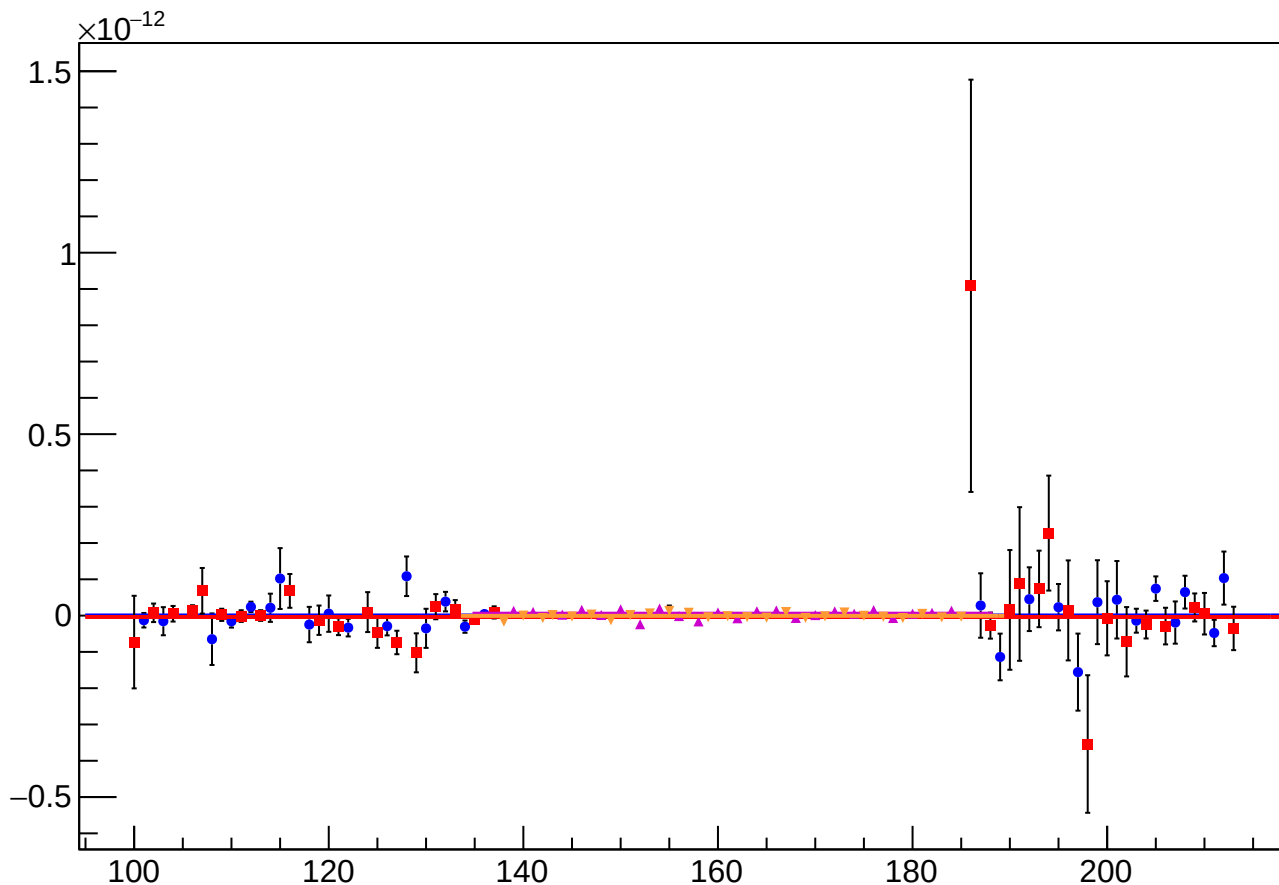
Left In: 15.823 $\pm$ 0.003 χ^2 /NDF: 3654834.3/22

+ sign 17.992 $\pm$ 0.002 χ^2 /NDF: 7820867.5/53

All: 17.973 $\pm$ 0.002 χ^2 /NDF: 17272254.9/110

- sign 17.953 $\pm$ 0.002 χ^2 /NDF: 9451240.9/56

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.2/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:19.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/33

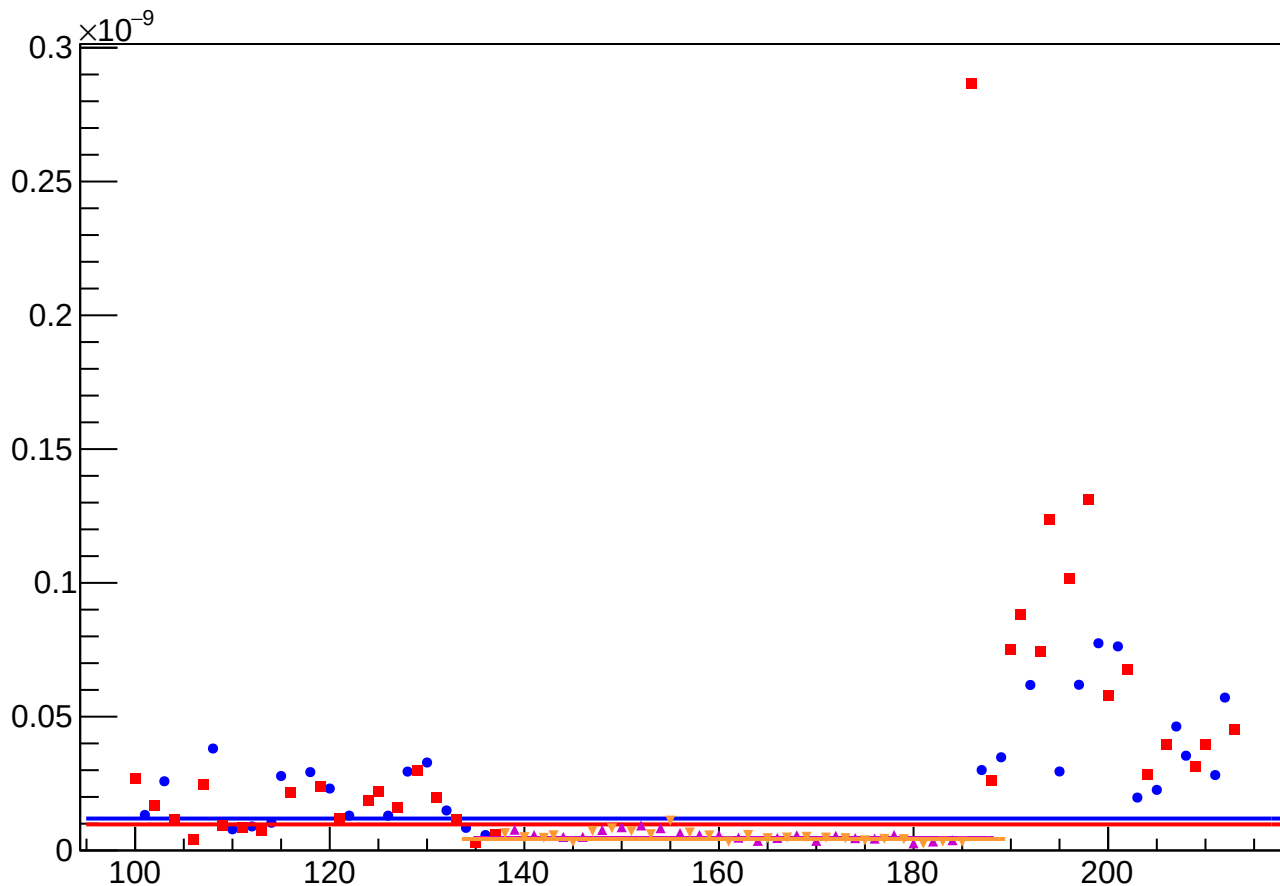
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:37.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 56.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.2/56

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8739970.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2583638.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 12738511.4/33

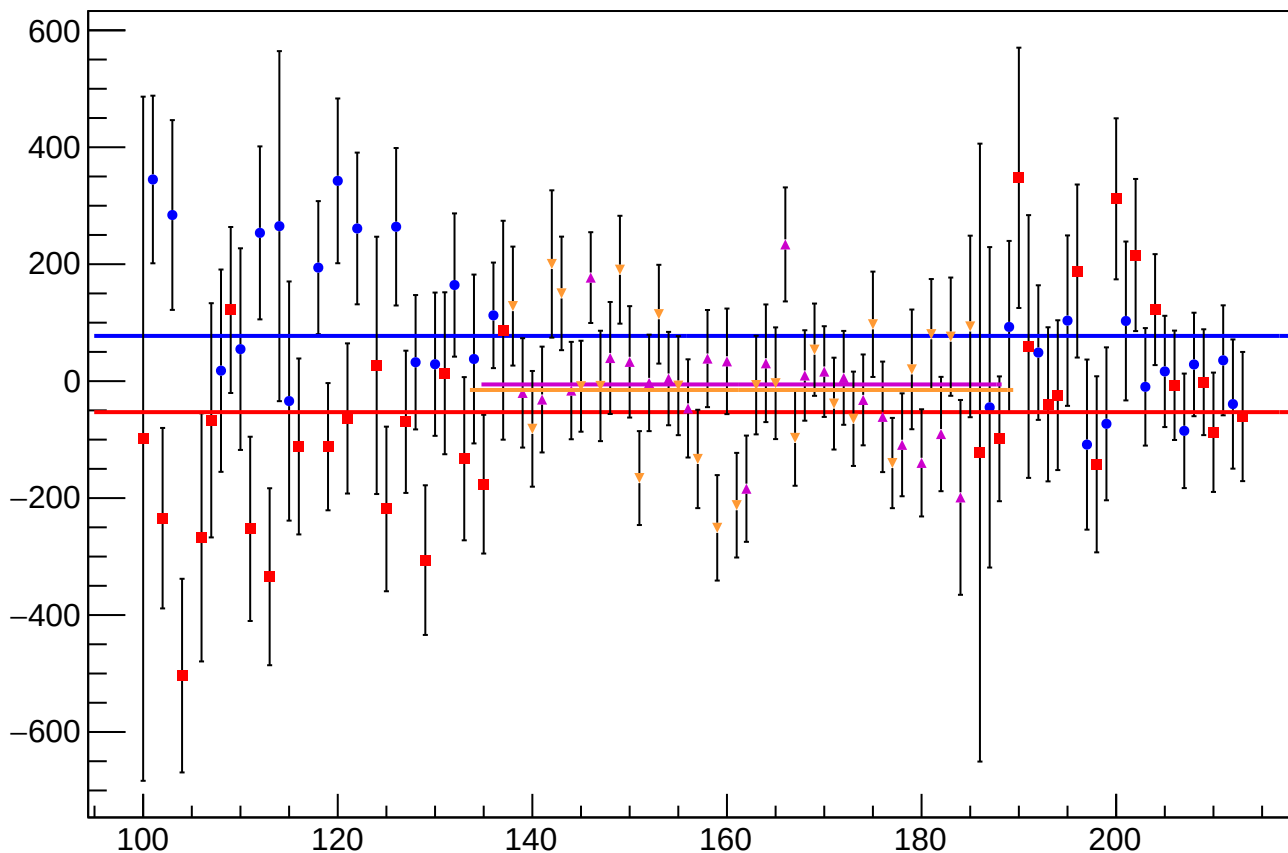
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2508440.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 16065332.3/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 33884144.0/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17746082.6/56

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 77.362 ± 23.344 χ^2/NDF : 25.7/28

Left Out: -15.100 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -52.988 ± 23.368 χ^2/NDF : 46.6/33

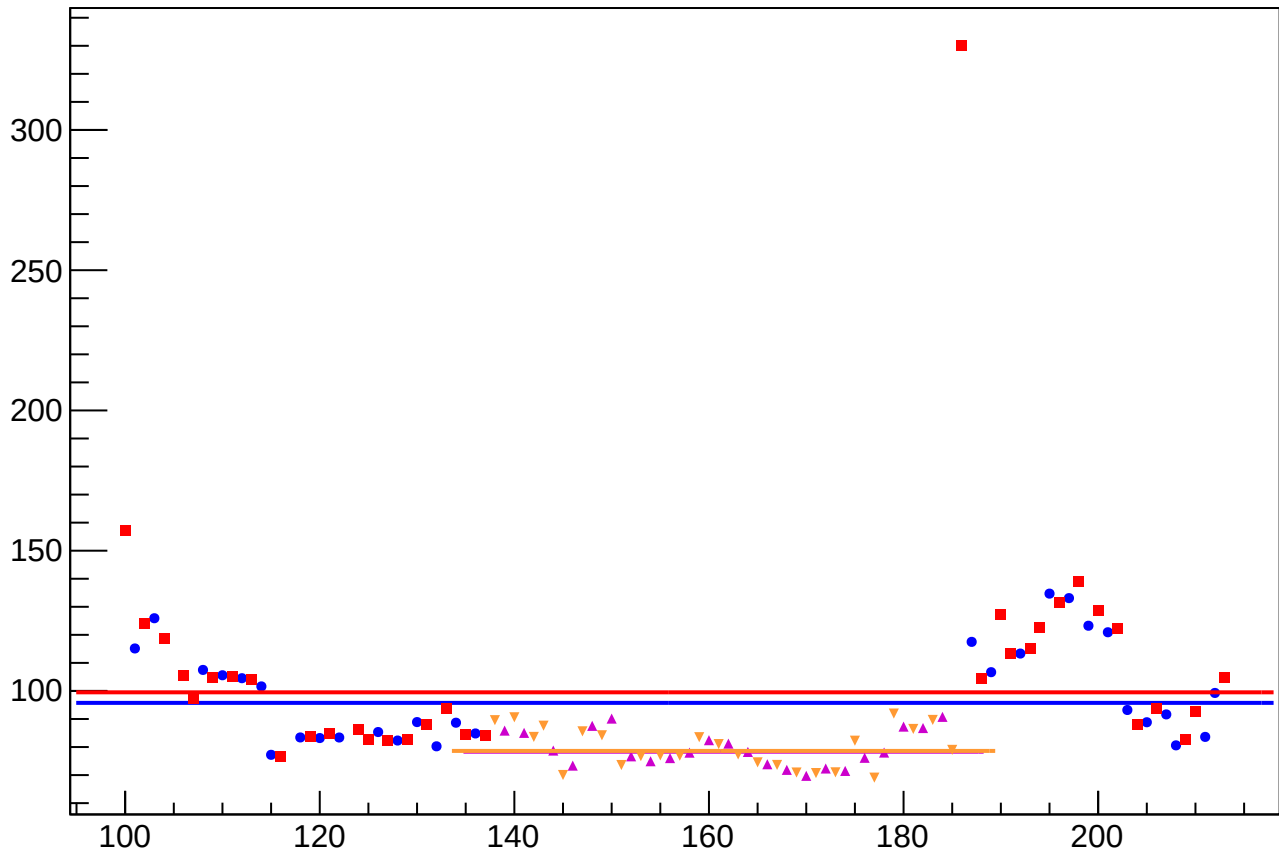
Left In: -5.629 ± 18.382 χ^2/NDF : 23.0/22

+ sign 19.272 ± 14.233 χ^2/NDF : 77.2/53

All: -1.909 ± 10.139 χ^2/NDF : 153.9/110

- sign -23.732 ± 14.447 χ^2/NDF : 72.2/56

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.747 $\pm$ 0.017 χ^2 /NDF: 926048.2/28

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.506 $\pm$ 0.017 χ^2 /NDF: 1411493.8/33

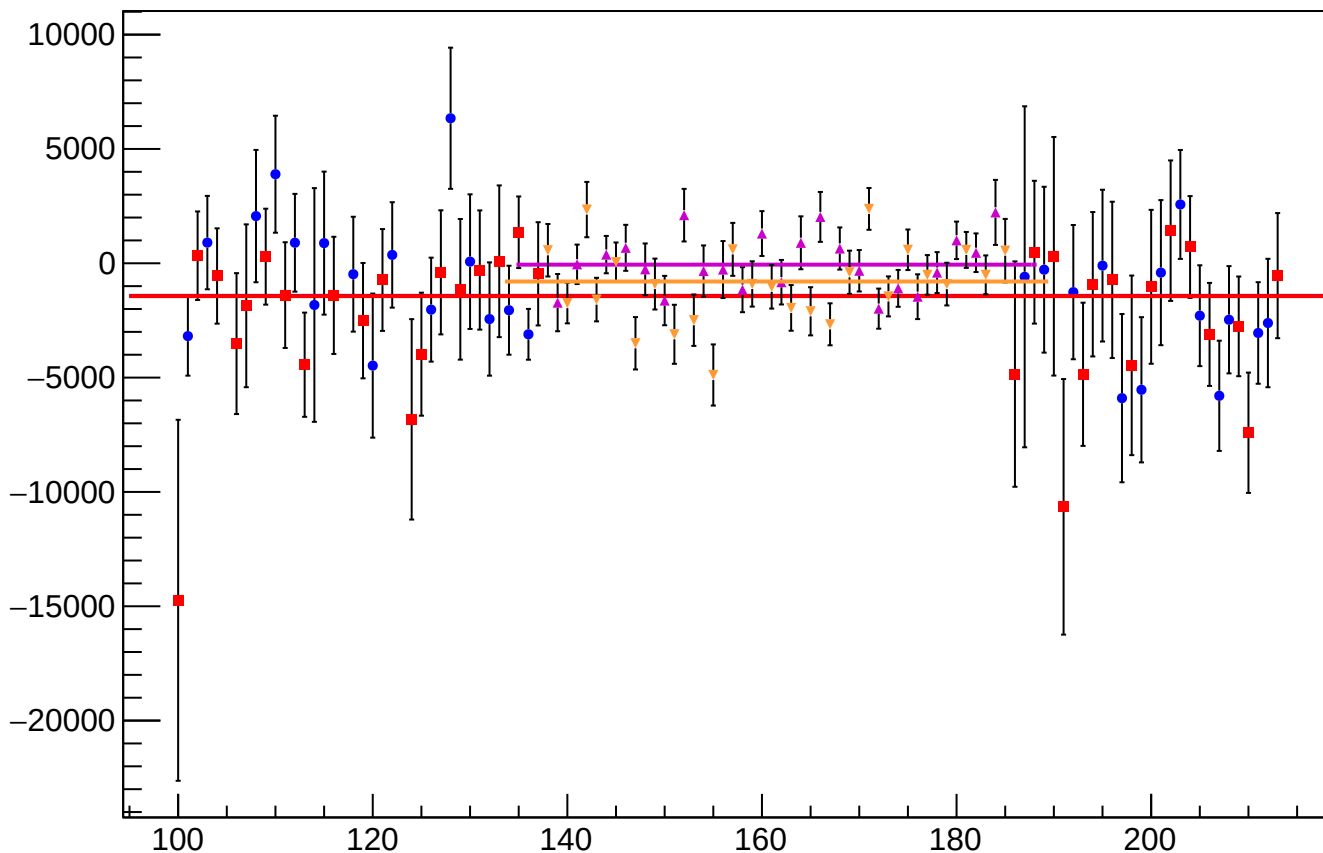
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 84.986 $\pm$ 0.010 χ^2 /NDF: 1909778.8/53

All: 85.696 $\pm$ 0.007 χ^2 /NDF: 4554711.6/110

- sign 86.427 $\pm$ 0.010 χ^2 /NDF: 2634829.6/56

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1425.815 ± 449.838 χ^2/NDF : 31.4/28

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1435.567 ± 459.495 χ^2/NDF : 26.9/33

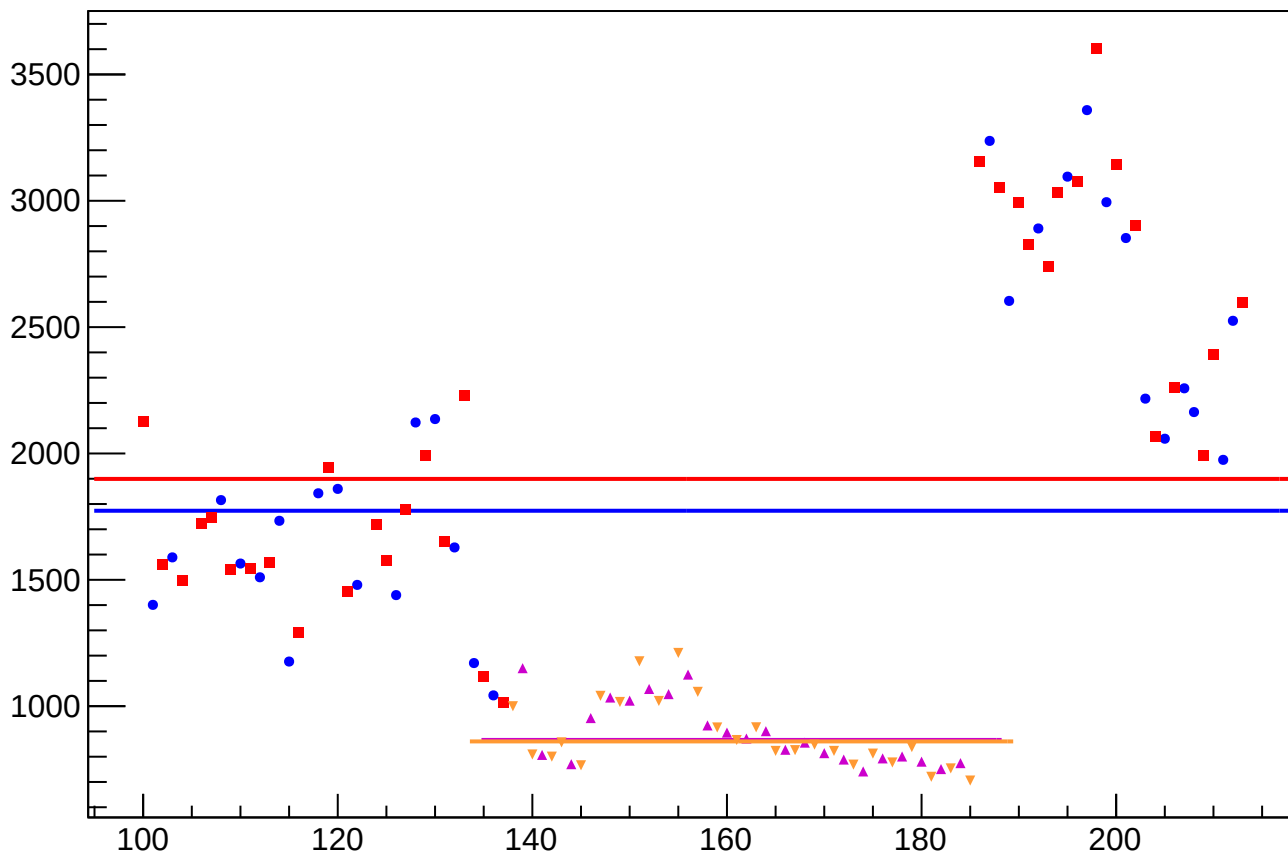
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -898.954 ± 181.133 χ^2/NDF : 92.5/53

All: -602.315 ± 130.032 χ^2/NDF : 162.9/110

- sign -286.878 ± 186.784 χ^2/NDF : 64.8/56

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1773.351+/-0.318 χ^2/NDF : 3510738.4/28

Left Out: 860.492+/-0.140 χ^2/NDF : 699252.0/24

Right Out: 1899.331+/-0.325 χ^2/NDF : 3687150.1/33

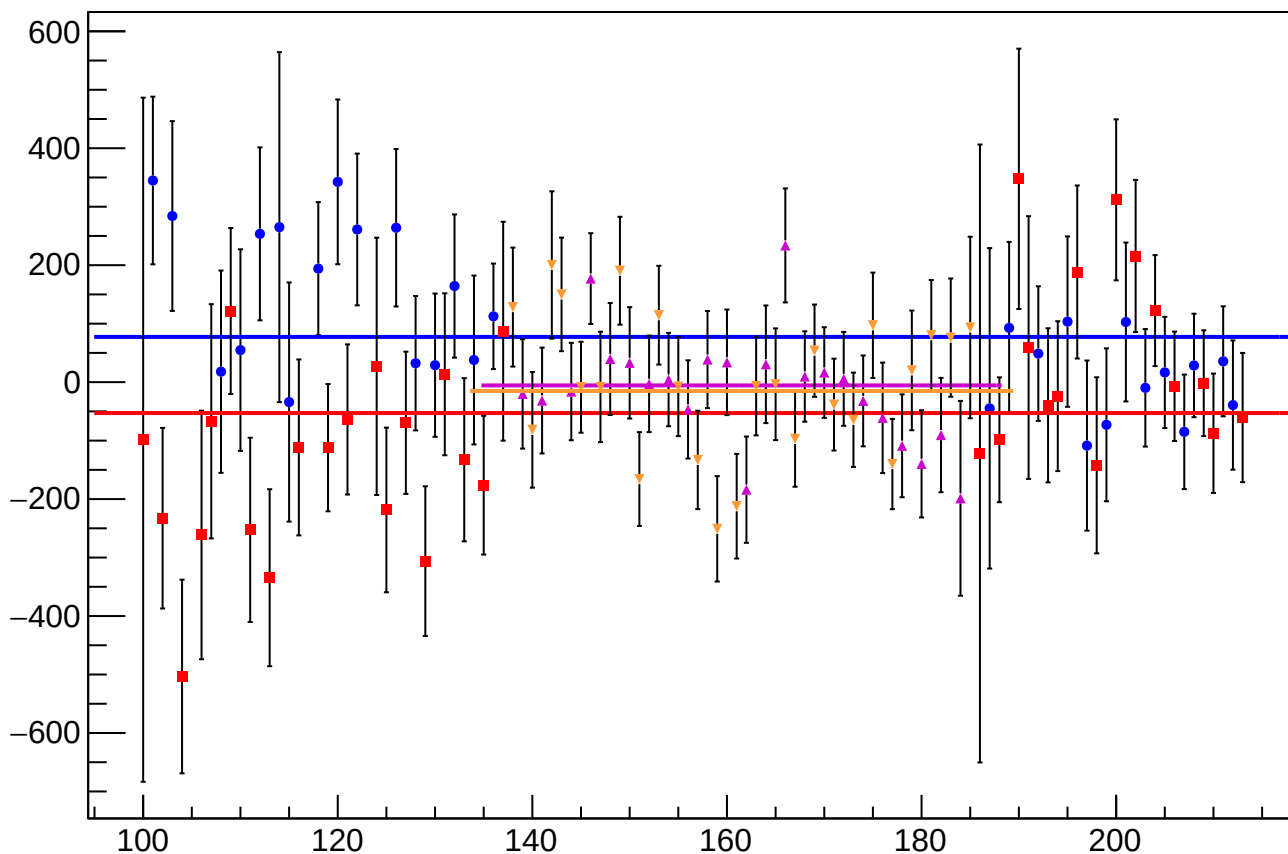
Left In: 866.351+/-0.145 χ^2/NDF : 613257.7/22

+ sign 1008.500+/-0.128 χ^2/NDF : 11110781.8/53

All: 1022.333+/-0.092 χ^2/NDF : 23872735.3/100

- sign 1037.042+/-0.132 χ^2/NDF : 12737887.1/56

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 77.355 $\pm$ 23.344 χ^2 /NDF: 25.7/28

Left Out: -15.098 $\pm$ 17.957 χ^2 /NDF:41.6/24

Right Out: -52.867 $\pm$ 23.369 χ^2 /NDF: 46.5/33

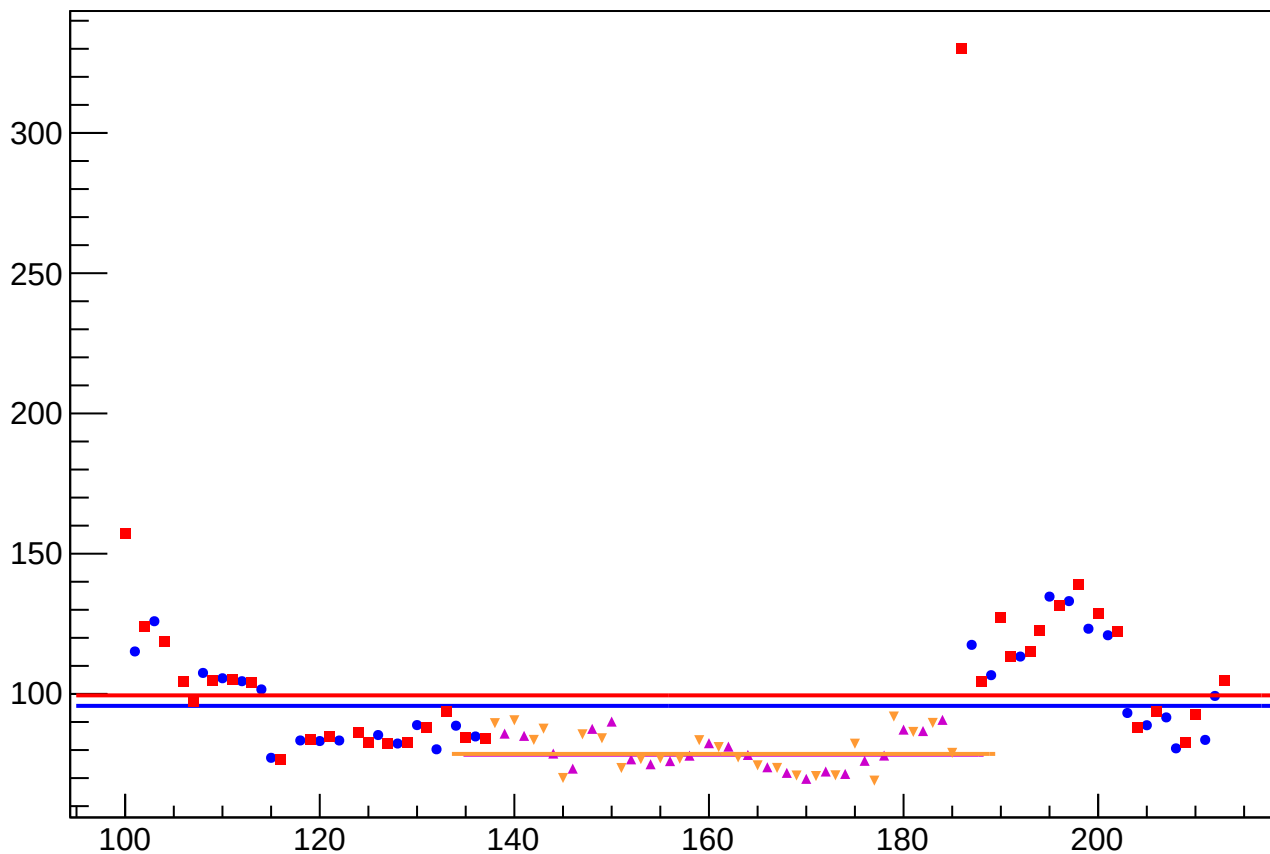
Left In: -5.626 $\pm$ 18.382 χ^2 /NDF:23.0/22

+ sign 19.271 $\pm$ 14.233 χ^2 /NDF: 77.2/53

All: -1.885 $\pm$ 10.139 χ^2 /NDF: 153.8/110

- sign -23.683 $\pm$ 14.448 χ^2 /NDF: 72.1/56

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.747 $\pm$ 0.017 χ^2 /NDF: 926049.8/28

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.491 $\pm$ 0.017 χ^2 /NDF: 1411051.0/33

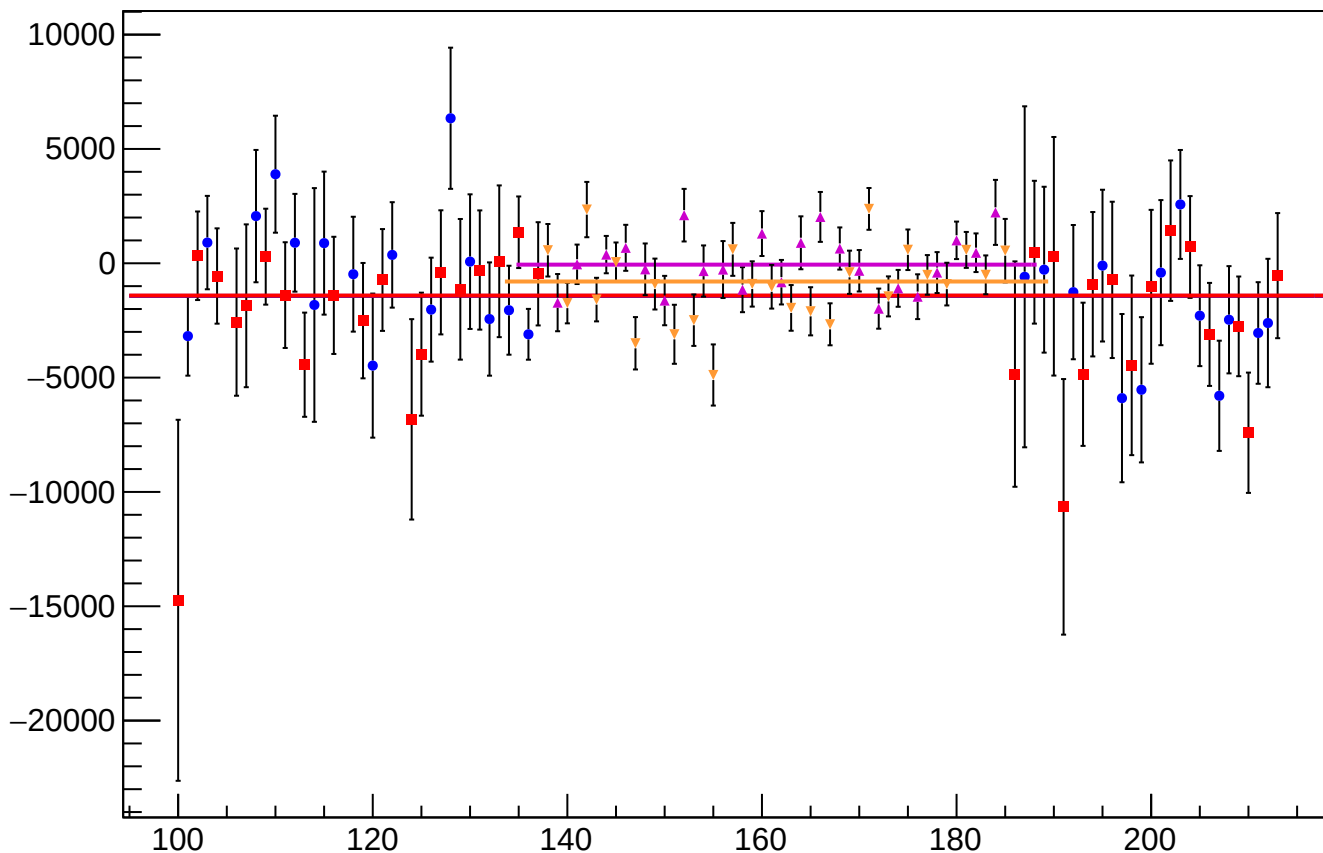
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 84.986 $\pm$ 0.010 χ^2 /NDF: 1909780.7/53

All: 85.693 $\pm$ 0.007 χ^2 /NDF: 4552713.3/110

- sign 86.421 $\pm$ 0.010 χ^2 /NDF: 2632913.9/56

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1425.802 ± 449.839 χ^2/NDF : 31.4/28

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1412.765 ± 459.936 χ^2/NDF : 26.6/33

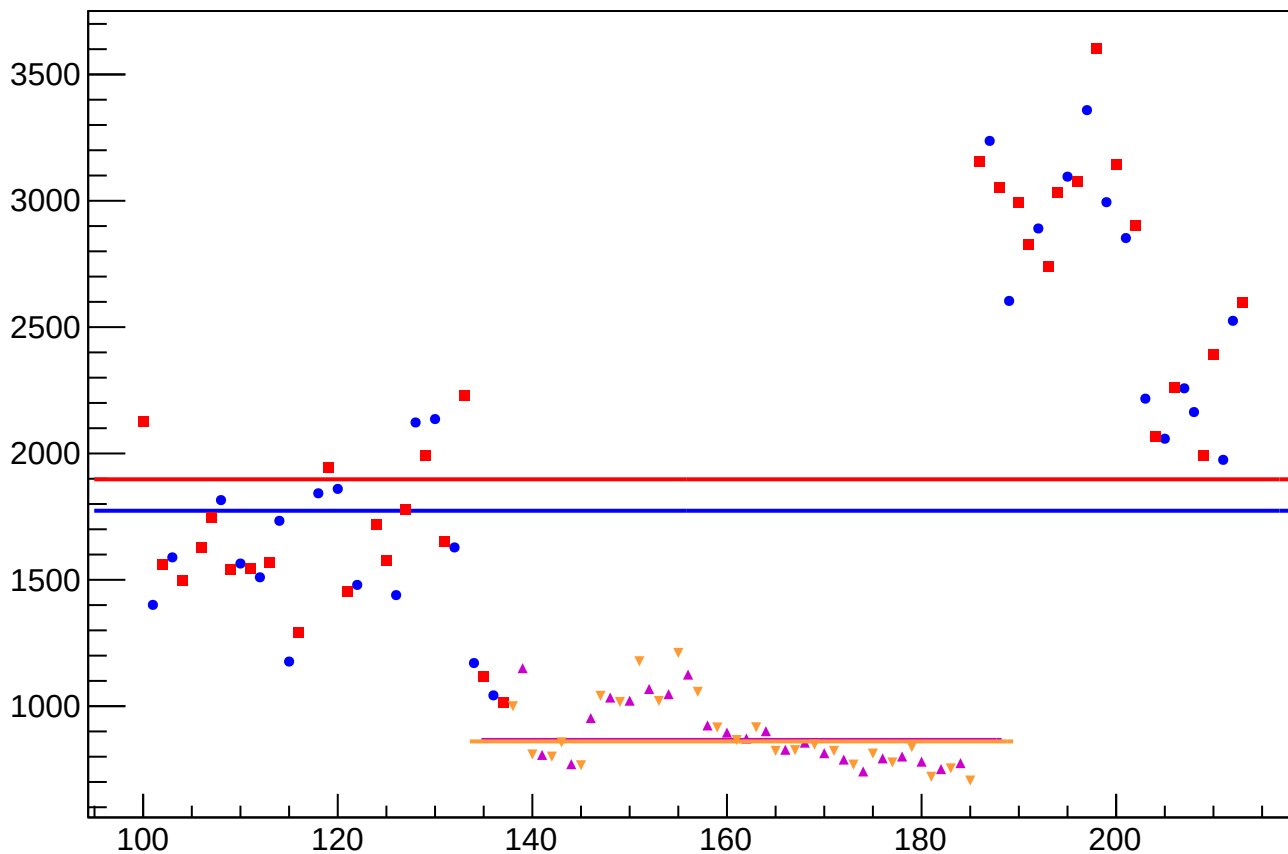
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -898.951 ± 181.133 χ^2/NDF : 92.5/53

All: -600.363 ± 130.042 χ^2/NDF : 162.4/110

- sign -282.752 ± 186.814 χ^2/NDF : 64.3/56

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1773.355+/-0.318 χ^2/NDF : 3510727.3/28

Left Out: 860.492+/-0.140 χ^2/NDF : 699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF : 3694412.4/33

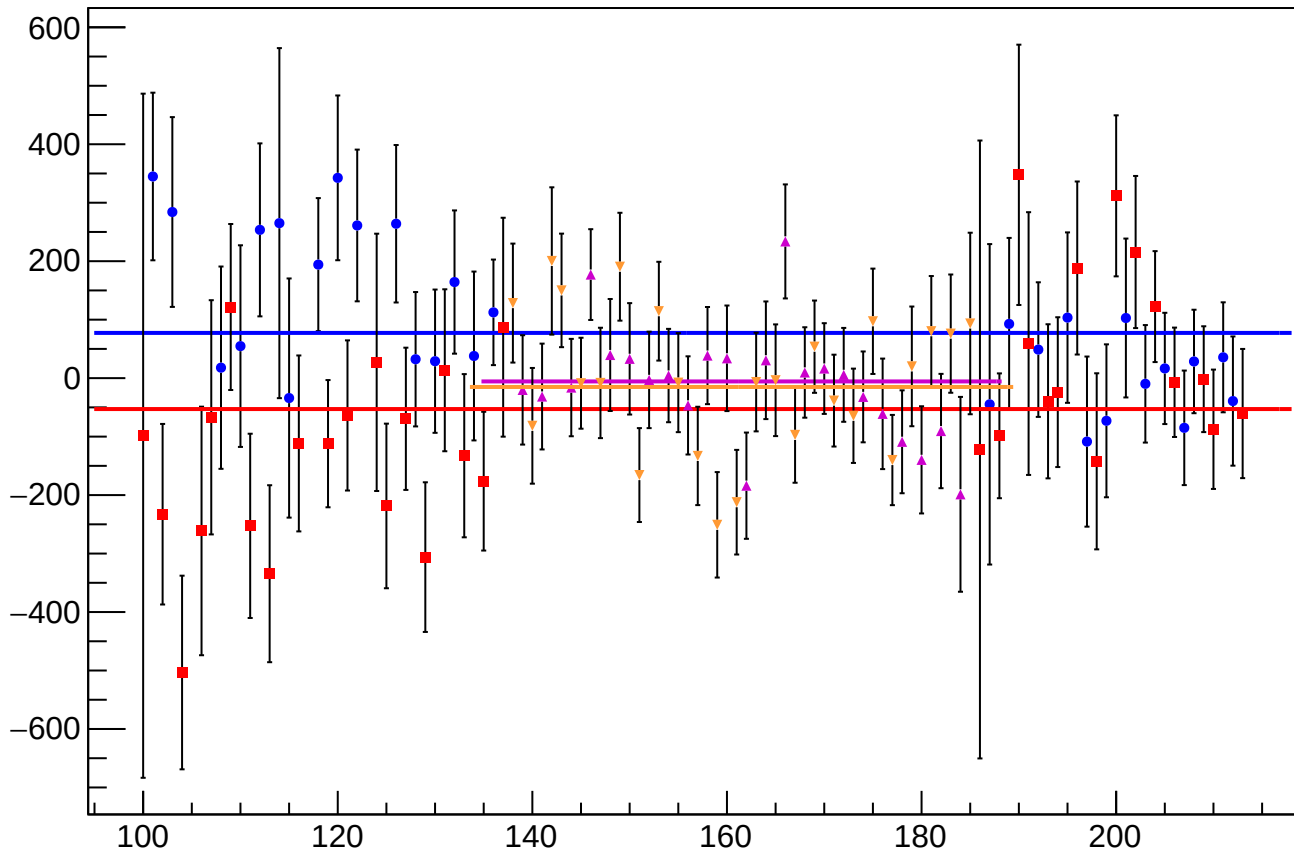
Left In: 866.352+/-0.145 χ^2/NDF : 613256.3/22

+ sign 1008.501+/-0.128 χ^2/NDF : 11110802.0/53

All: 1022.076+/-0.092 χ^2/NDF : 23840602.9/100

- sign 1036.516+/-0.132 χ^2/NDF : 12706617.6/56

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 77.355 ± 23.344 χ^2/NDF : 25.7/28

Left Out: -15.098 ± 17.957 χ^2/NDF : 41.6/24

Right Out: -52.867 ± 23.369 χ^2/NDF : 46.5/33

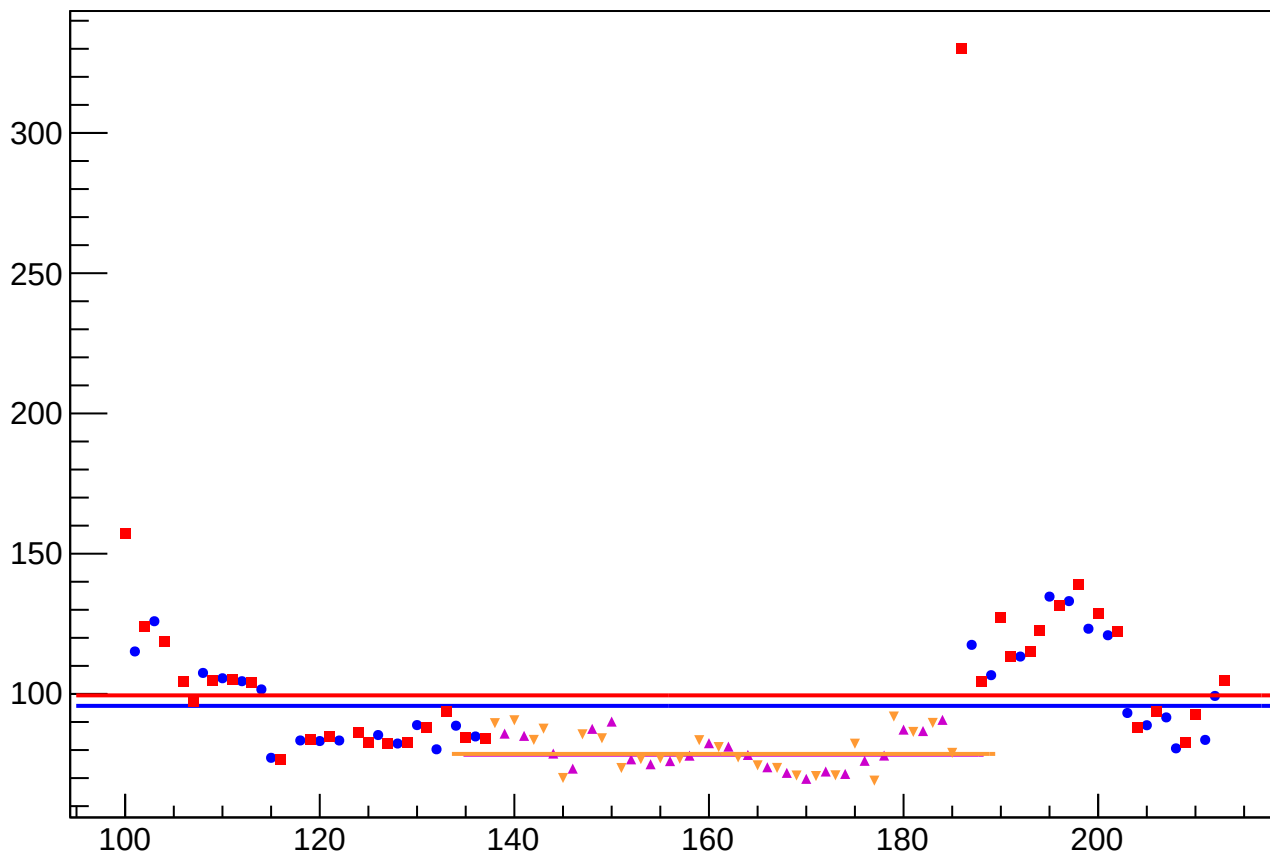
Left In: -5.626 ± 18.382 χ^2/NDF : 23.0/22

+ sign 19.271 ± 14.233 χ^2/NDF : 77.2/53

All: -1.885 ± 10.139 χ^2/NDF : 153.8/110

- sign -23.683 ± 14.448 χ^2/NDF : 72.1/56

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.747 $\pm$ 0.017 χ^2 /NDF: 926049.8/28

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF: 307235.6/24

Right Out: 99.491 $\pm$ 0.017 χ^2 /NDF: 1411051.0/33

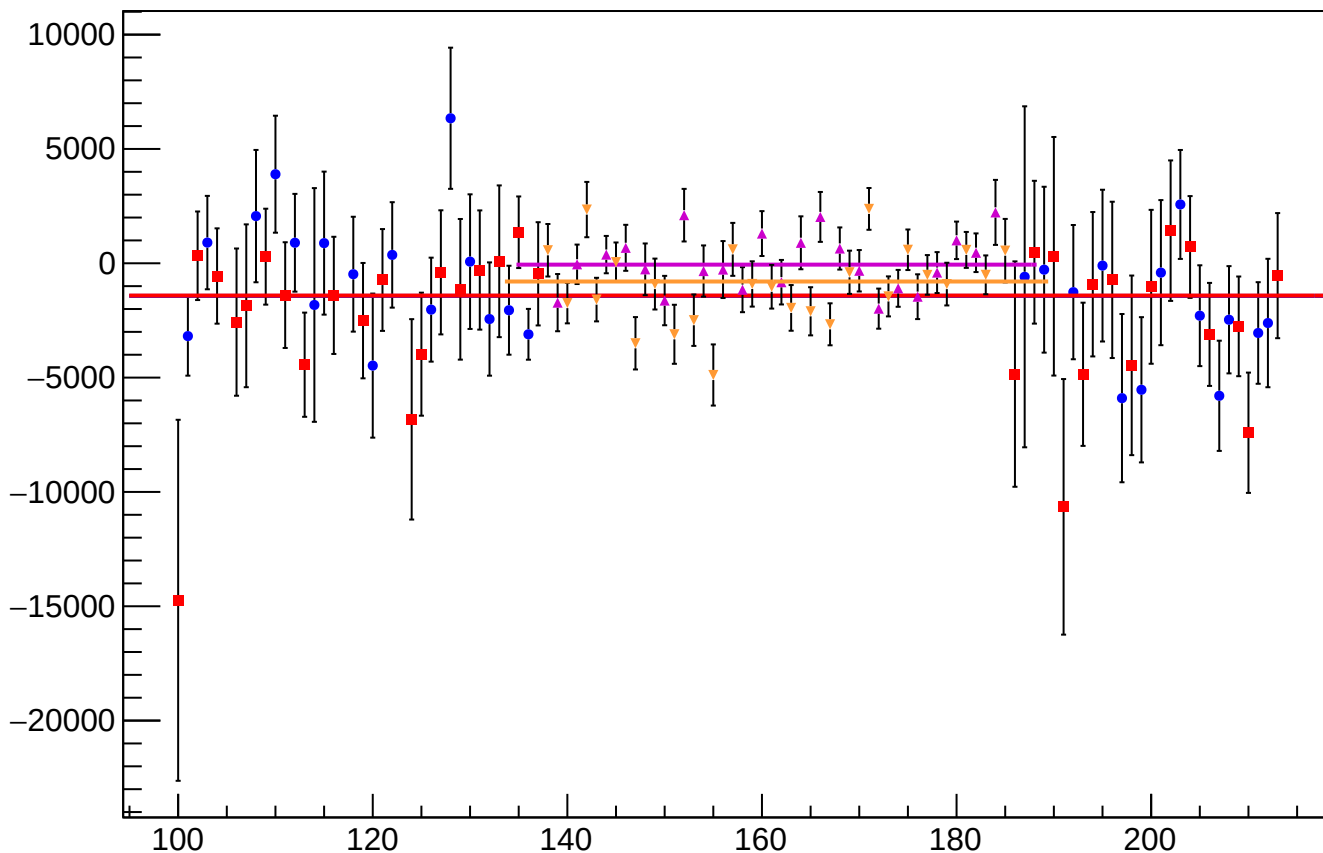
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF: 209146.2/22

+ sign 84.986 $\pm$ 0.010 χ^2 /NDF: 1909780.7/53

All: 85.693 $\pm$ 0.007 χ^2 /NDF: 4552713.3/110

- sign 86.421 $\pm$ 0.010 χ^2 /NDF: 2632913.9/56

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1425.802 ± 449.839 χ^2/NDF : 31.4/28

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1412.765 ± 459.936 χ^2/NDF : 26.6/33

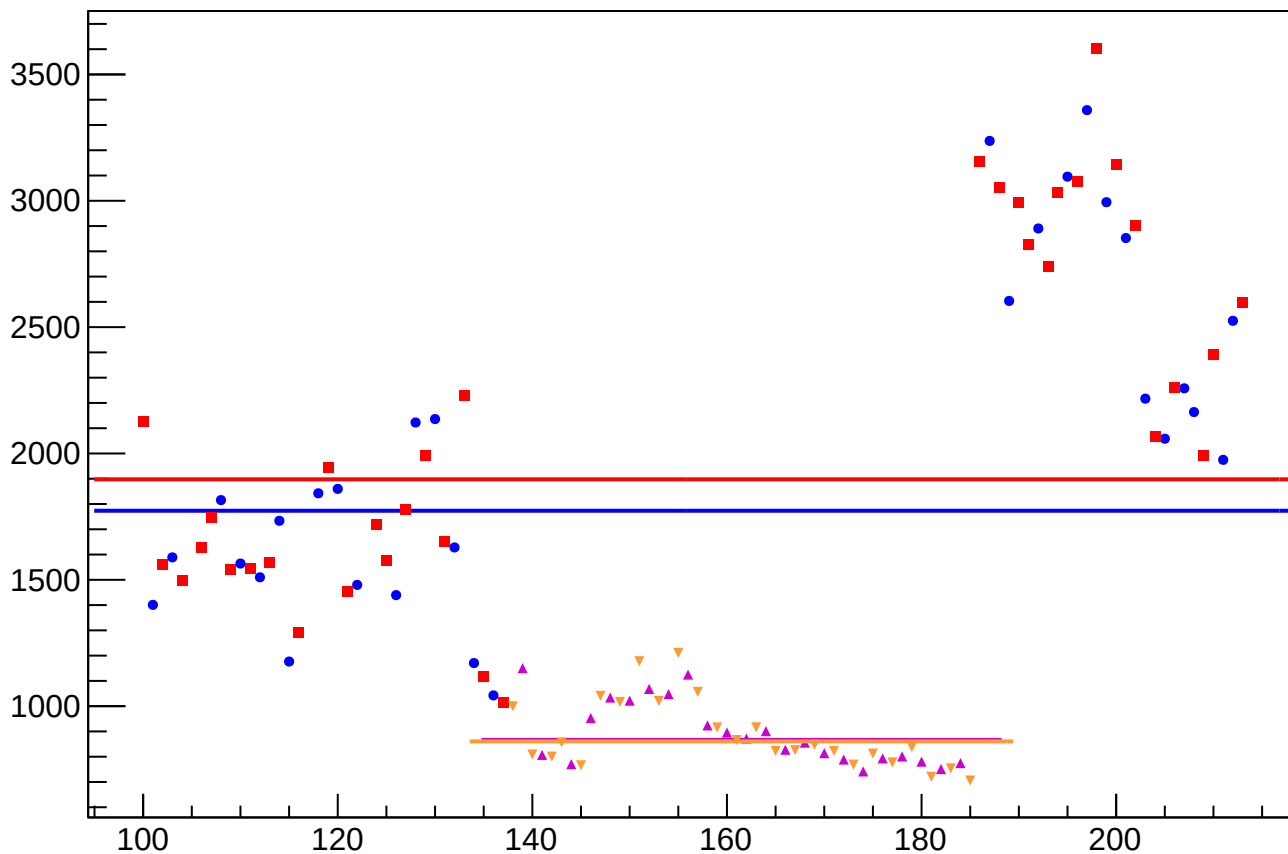
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -898.951 ± 181.133 χ^2/NDF : 92.5/53

All: -600.363 ± 130.042 χ^2/NDF : 162.4/110

- sign -282.752 ± 186.814 χ^2/NDF : 64.3/56

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1773.355+/-0.318 χ^2/NDF : 3510727.3/28

Left Out: 860.492+/-0.140 χ^2/NDF : 699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF : 3694412.4/33

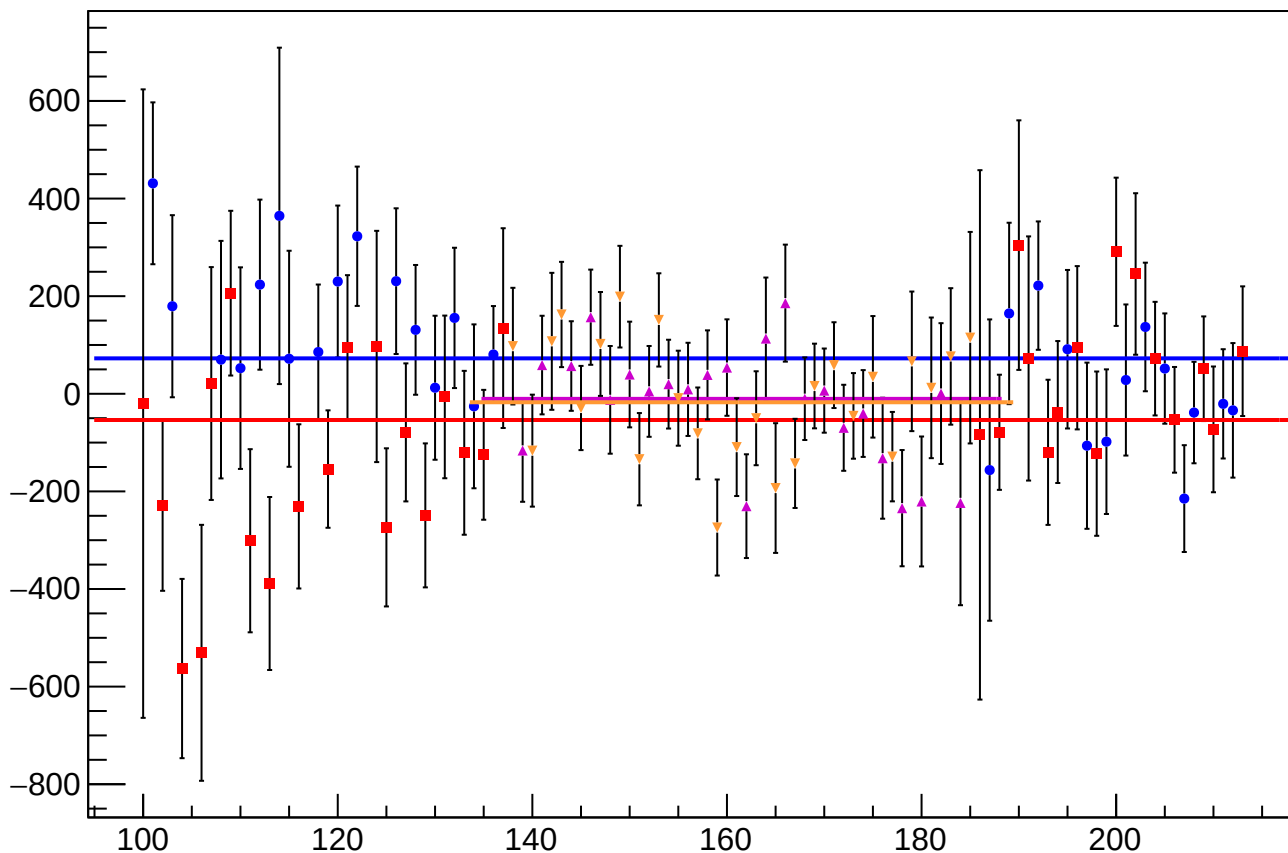
Left In: 866.352+/-0.145 χ^2/NDF : 613256.3/22

+ sign 1008.501+/-0.128 χ^2/NDF : 11110802.0/53

All: 1022.076+/-0.092 χ^2/NDF : 23840602.9/100

- sign 1036.516+/-0.132 χ^2/NDF : 12706617.6/56

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 72.578 ± 27.277 $\chi^2/\text{NDF}: 27.0/28$

Left Out: -17.356 ± 20.987 $\chi^2/\text{NDF}: 31.2/24$

Right Out: -53.714 ± 27.125 $\chi^2/\text{NDF}: 43.1/33$

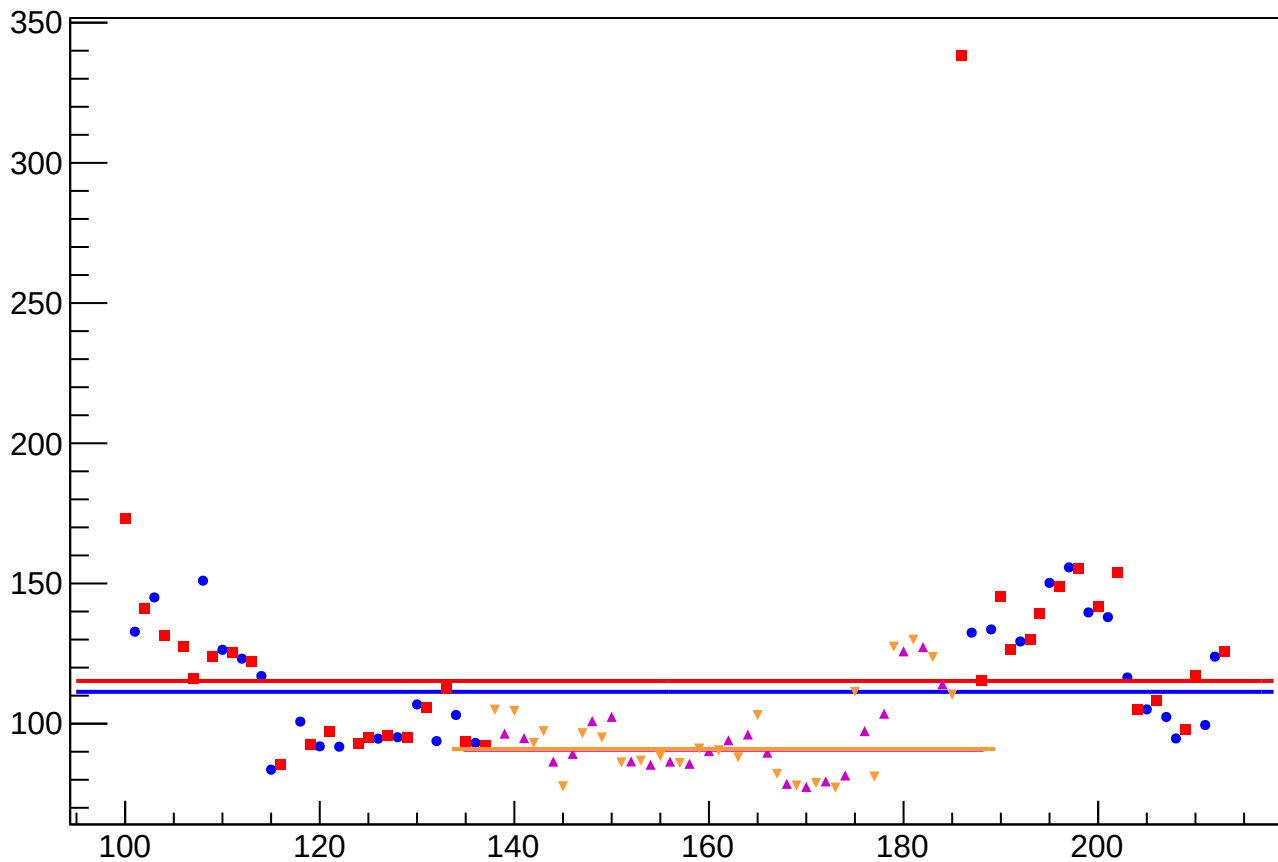
Left In: -10.412 ± 21.503 $\chi^2/\text{NDF}: 22.6/22$

+ sign 16.085 ± 16.633 $\chi^2/\text{NDF}: 65.0/53$

All: -5.238 ± 11.838 $\chi^2/\text{NDF}: 135.7/110$

- sign -27.123 ± 16.851 $\chi^2/\text{NDF}: 67.3/56$

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.357 $\pm$ 0.019 χ^2 /NDF: 1013273.6/28

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784523.6/24

+ sign 98.549 $\pm$ 0.012 χ^2 /NDF: 2499818.5/53

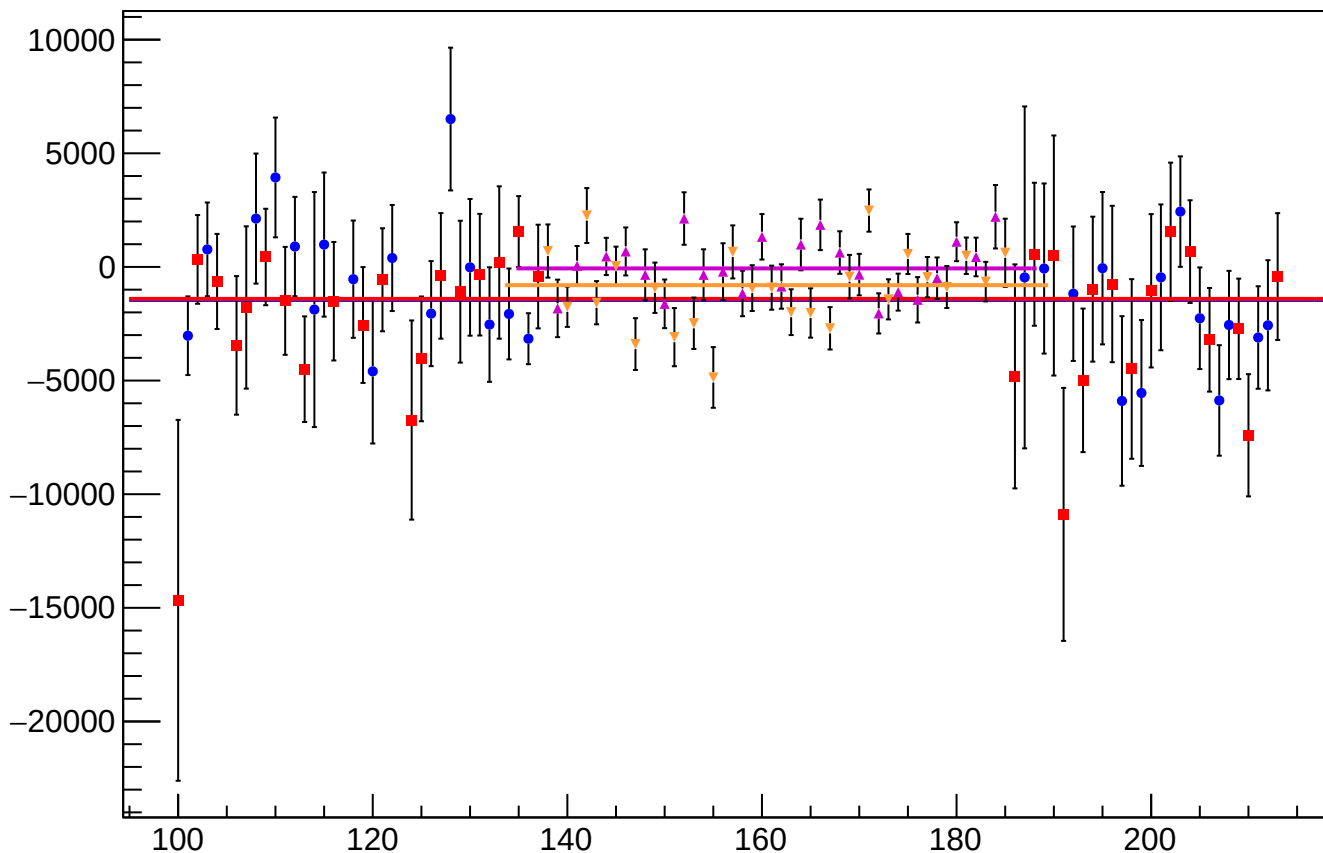
Right Out: 115.236 $\pm$ 0.019 χ^2 /NDF: 1363185.6/33

All: 99.345 $\pm$ 0.008 χ^2 /NDF: 5423936.9/110

- sign 100.163 $\pm$ 0.012 χ^2 /NDF: 2914828.6/56

Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545969.6/22

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1450.523 ± 456.098 χ^2/NDF : 30.9/28

Left Out: -802.532 ± 199.851 χ^2/NDF : 58.3/24

Right Out: -1406.837 ± 464.419 χ^2/NDF : 27.5/33

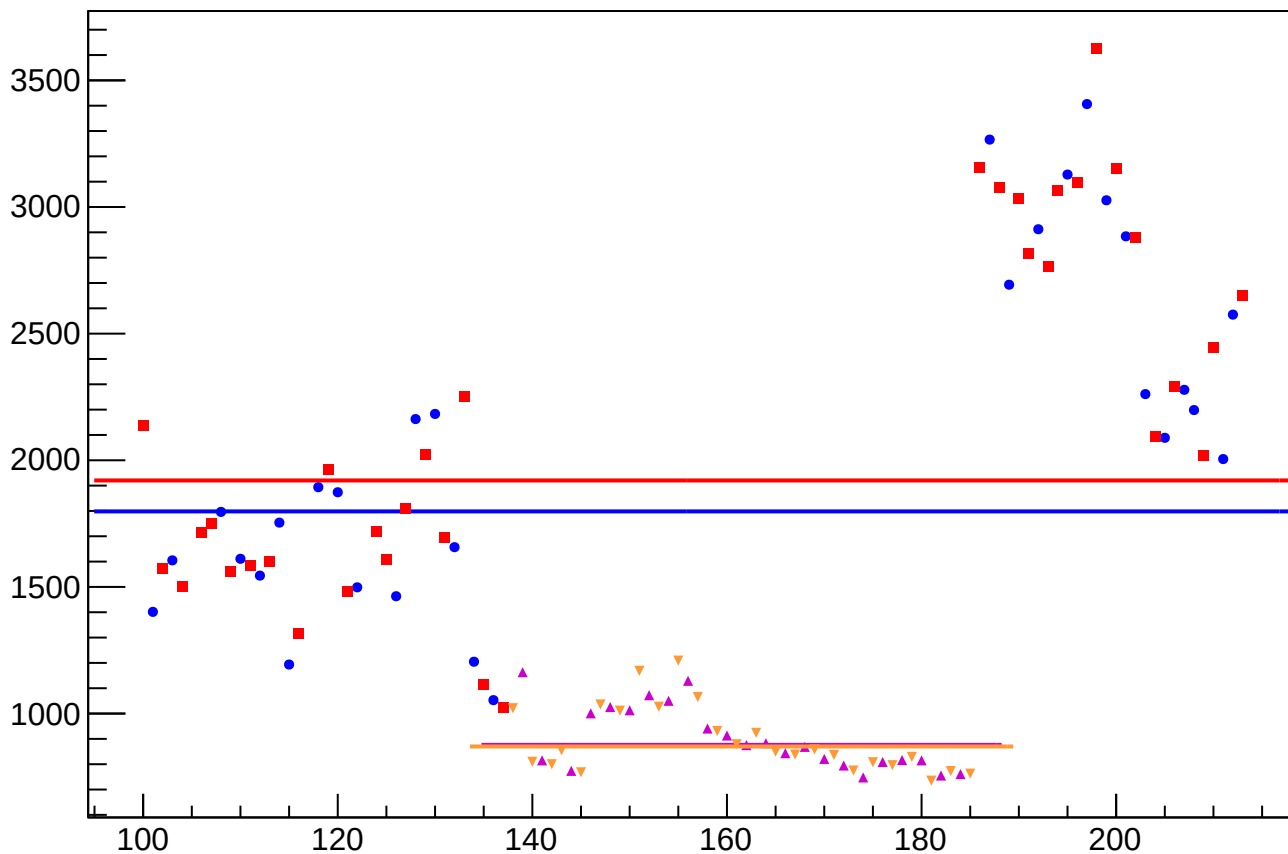
Left In: -65.218 ± 206.677 χ^2/NDF : 30.7/22

+ sign -906.905 ± 183.049 χ^2/NDF : 90.9/53

All: -606.574 ± 131.429 χ^2/NDF : 161.7/110

- sign -286.997 ± 188.823 χ^2/NDF : 65.2/56

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1798.161 $\pm$ 0.323 χ^2 /NDF: 3524064.9/28

Left Out: 870.009 $\pm$ 0.141 χ^2 /NDF: 647274.1/24

+ sign 1019.508 $\pm$ 0.129 χ^2 /NDF: 11119619.1/53

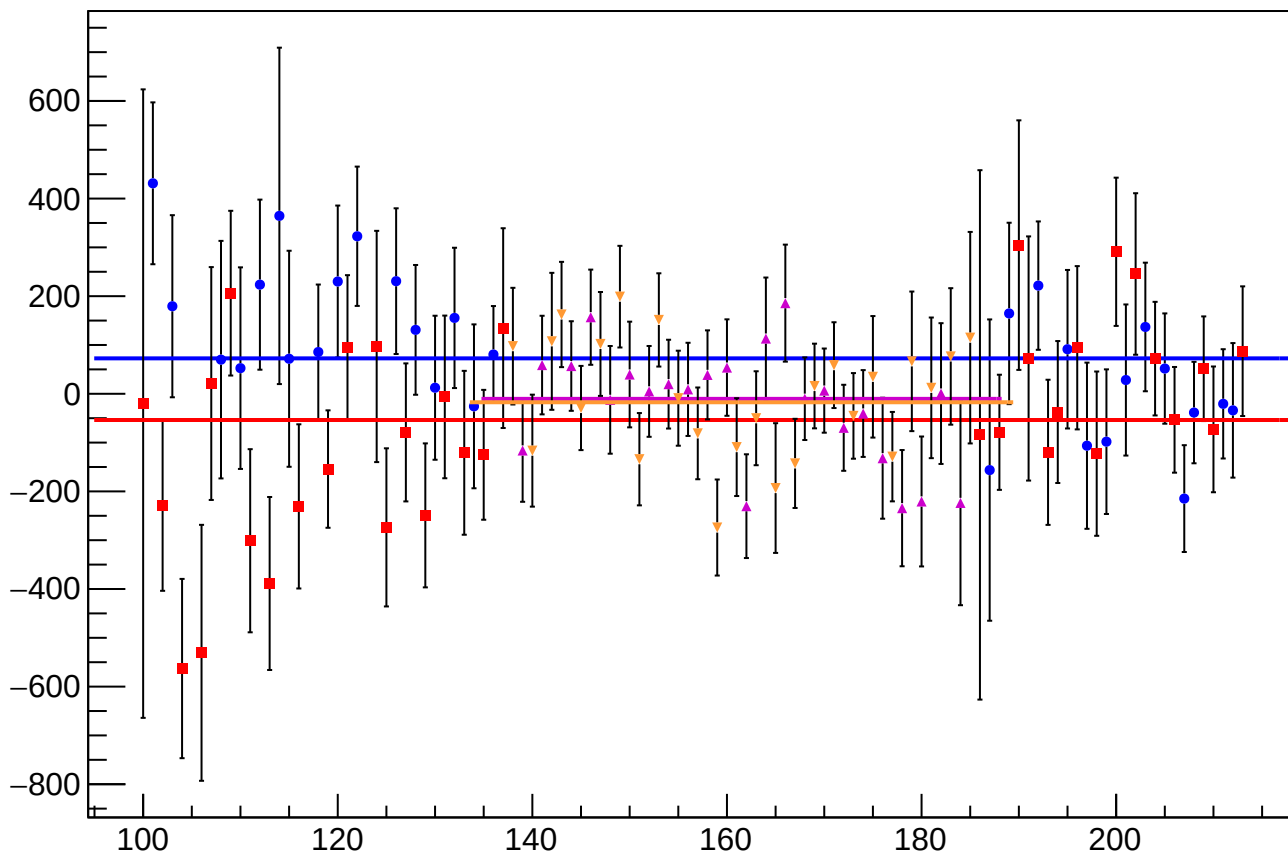
Right Out: 1920.354 $\pm$ 0.328 χ^2 /NDF: 3675517.2/33

All: 1033.732 $\pm$ 0.093 χ^2 /NDF: 23854574.1/100

Left In: 876.273 $\pm$ 0.146 χ^2 /NDF: 597200.7/22

- sign 1048.867 $\pm$ 0.134 χ^2 /NDF: 12710029.9/56

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 72.581 $\pm$ 27.277 χ^2 /NDF: 27.0/28

Left Out: -17.356 $\pm$ 20.987 χ^2 /NDF:31.2/24

Right Out: -53.713 $\pm$ 27.125 χ^2 /NDF: 43.1/33

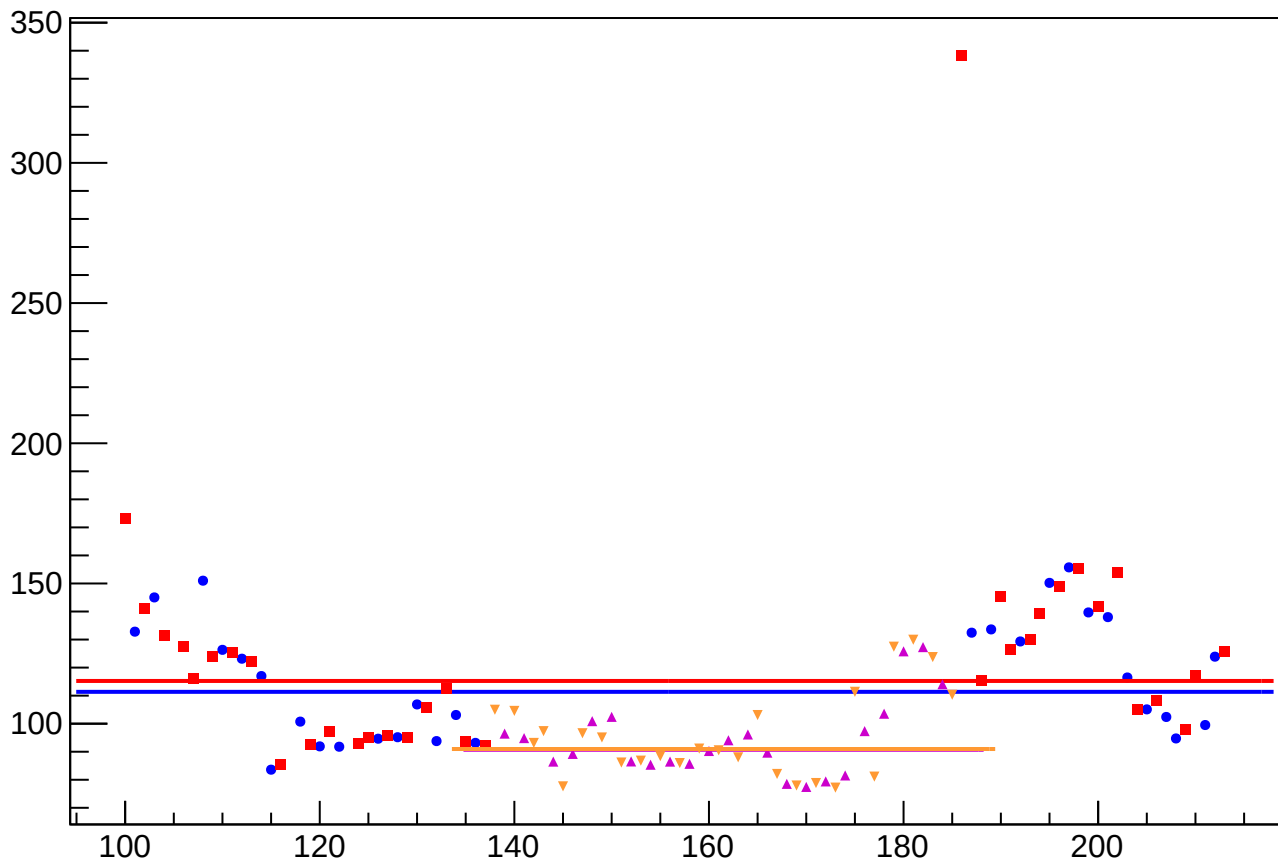
Left In: -10.412 $\pm$ 21.503 χ^2 /NDF:22.6/22

+ sign 16.086 $\pm$ 16.633 χ^2 /NDF: 65.0/53

All: -5.237 $\pm$ 11.838 χ^2 /NDF: 135.7/110

- sign -27.122 $\pm$ 16.851 χ^2 /NDF: 67.3/56

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.357 $\pm$ 0.019 χ^2 /NDF: 1013287.7/28

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784529.9/24

Right Out: 115.235 $\pm$ 0.019 χ^2 /NDF: 1363204.1/33

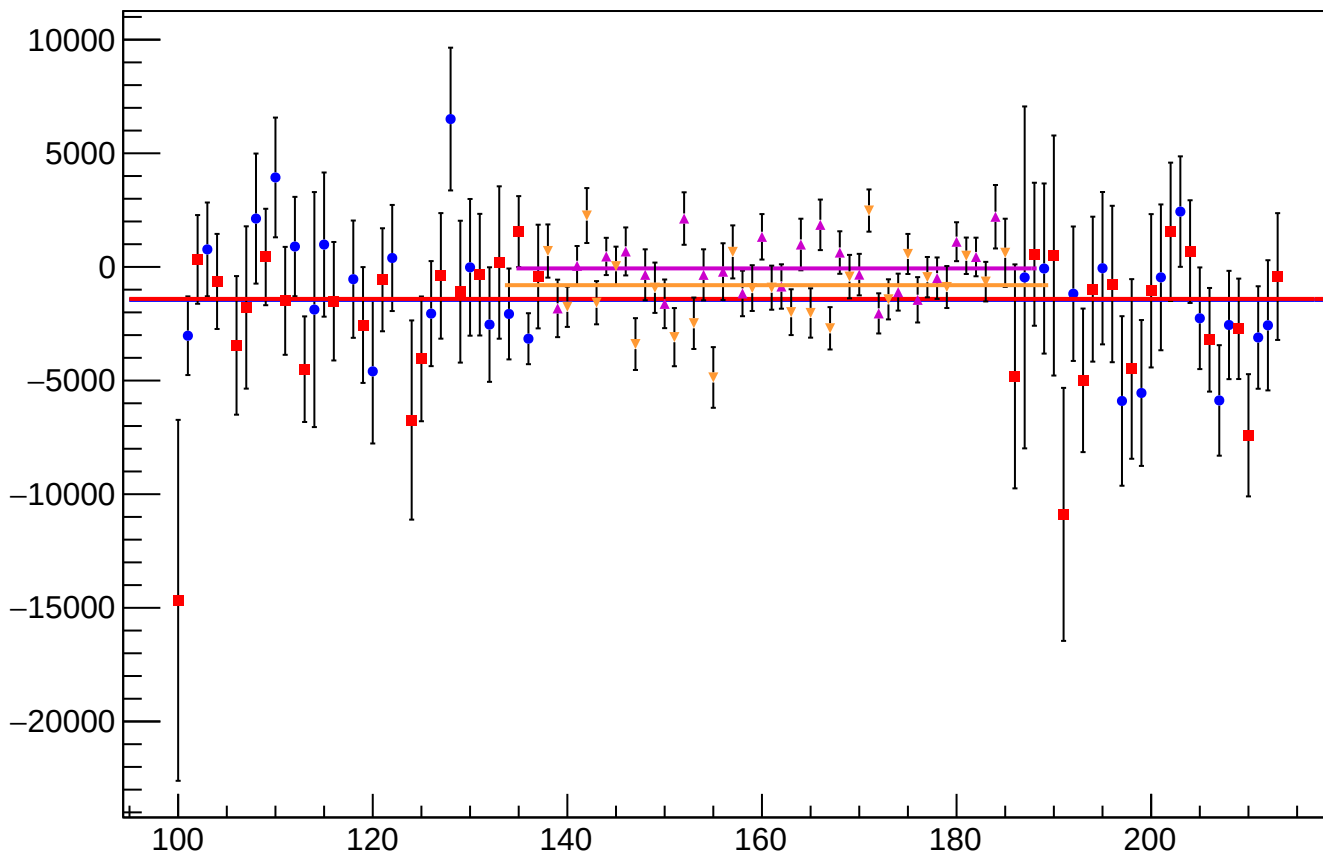
Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545960.7/22

+ sign 98.549 $\pm$ 0.012 χ^2 /NDF: 2499798.3/53

All: 99.345 $\pm$ 0.008 χ^2 /NDF: 5423899.0/110

- sign 100.162 $\pm$ 0.012 χ^2 /NDF: 2914811.5/56

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1450.518 ± 456.097 χ^2/NDF : 30.9/28

Left Out: -802.531 ± 199.851 χ^2/NDF : 58.3/24

Right Out: -1406.835 ± 464.419 χ^2/NDF : 27.5/33

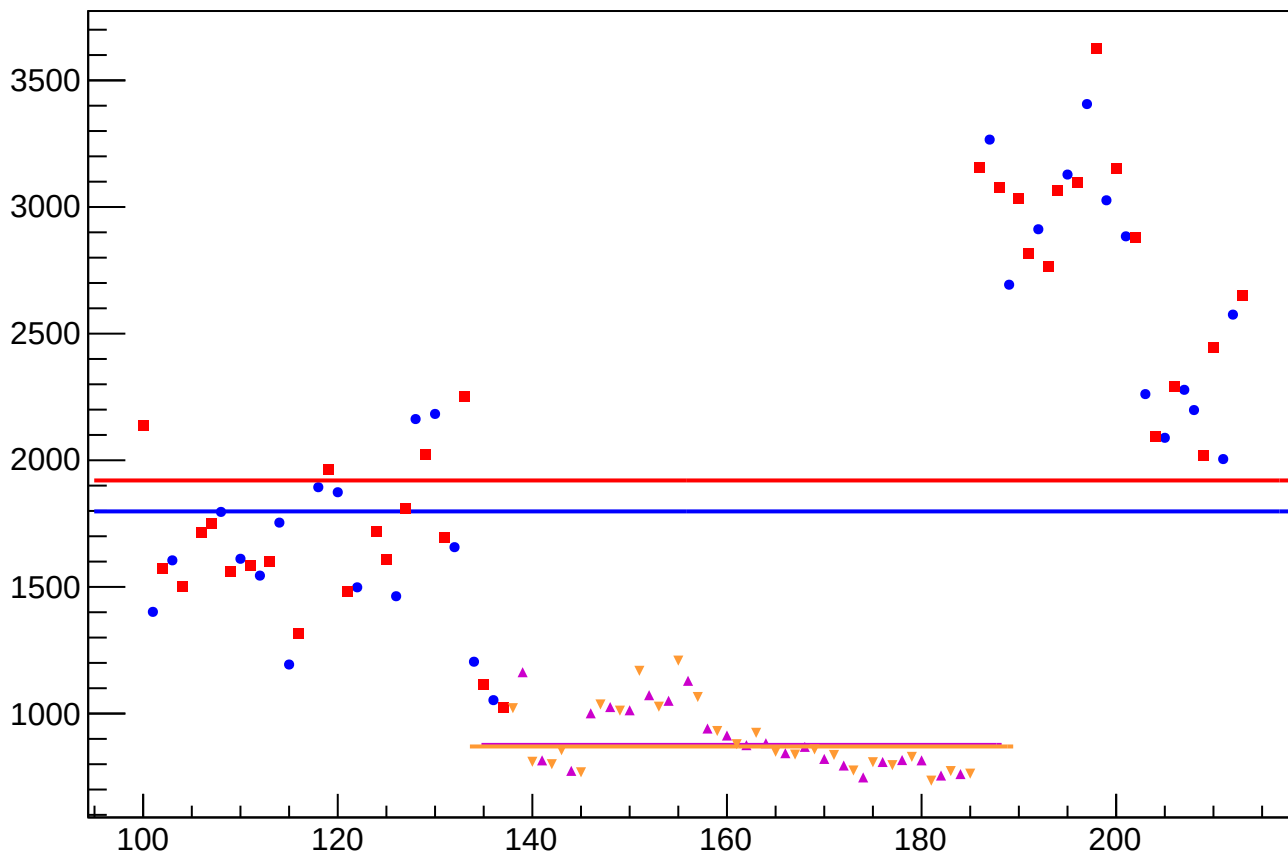
Left In: -65.218 ± 206.677 χ^2/NDF : 30.7/22

+ sign -906.904 ± 183.049 χ^2/NDF : 90.9/53

All: -606.573 ± 131.429 χ^2/NDF : 161.7/110

- sign -286.997 ± 188.823 χ^2/NDF : 65.2/56

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1798.159+/-0.323 χ^2/NDF : 3524073.4/28

Left Out: 870.008+/-0.141 χ^2/NDF : 647275.9/24

+ sign 1019.508+/-0.129 χ^2/NDF : 11119618.1/53

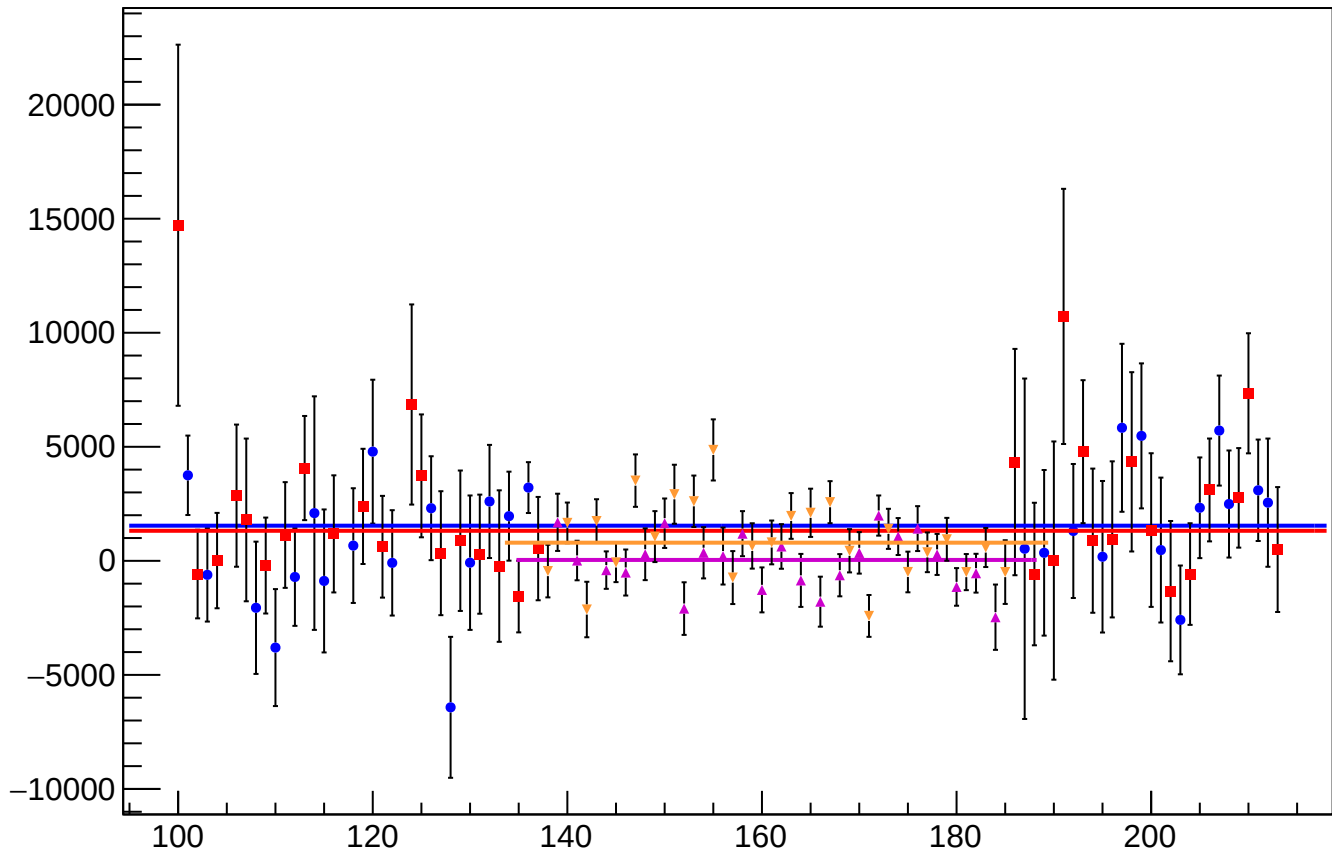
Right Out: 1920.351+/-0.328 χ^2/NDF : 3675530.3/33

All: 1033.731+/-0.093 χ^2/NDF : 23854573.8/100

- sign 1048.866+/-0.134 χ^2/NDF : 12710031.0/56

Left In: 876.272+/-0.146 χ^2/NDF : 597200.9/22

asym_sam_24_68_dd_mean vs Slug



Right In: 1541.681 $\pm$ 450.800 χ^2 /NDF: 31.7/28

Left Out: 796.287 $\pm$ 198.802 χ^2 /NDF: 57.2/24

Right Out: 1317.949 $\pm$ 460.423 χ^2 /NDF: 26.5/33

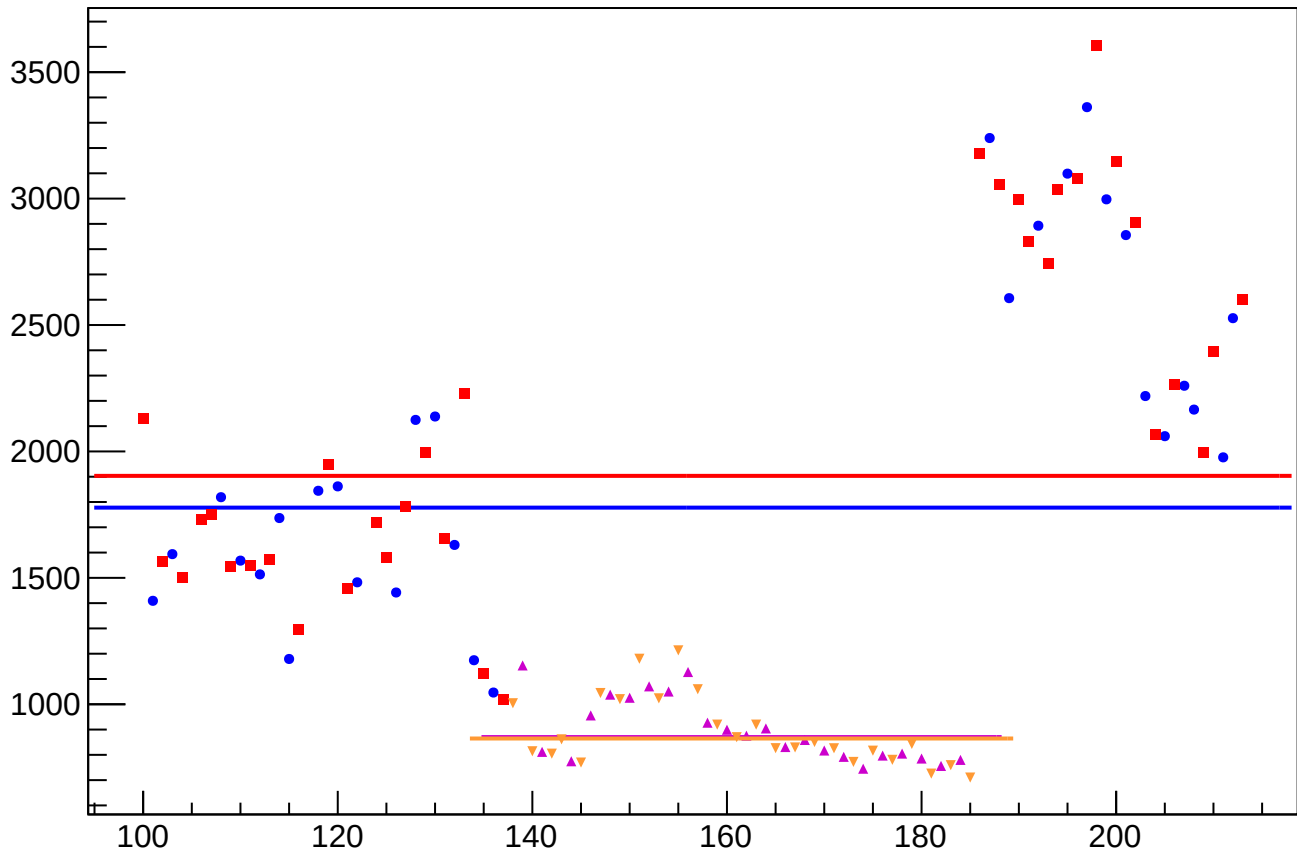
Left In: 39.746 $\pm$ 205.349 χ^2 /NDF: 29.7/22

+ sign 917.649 $\pm$ 181.900 χ^2 /NDF: 91.2/53

All: 594.900 $\pm$ 130.572 χ^2 /NDF: 160.3/110

- sign 251.818 $\pm$ 187.542 χ^2 /NDF: 62.6/56

asym_sam_24_68_dd_rms vs Slug



Right In: 1777.782 $\pm$ 0.319 χ^2 /NDF: 3489584.9/28

Left Out: 864.637 $\pm$ 0.141 χ^2 /NDF: 688948.2/24

Right Out: 1903.386 $\pm$ 0.326 χ^2 /NDF: 3672531.0/33

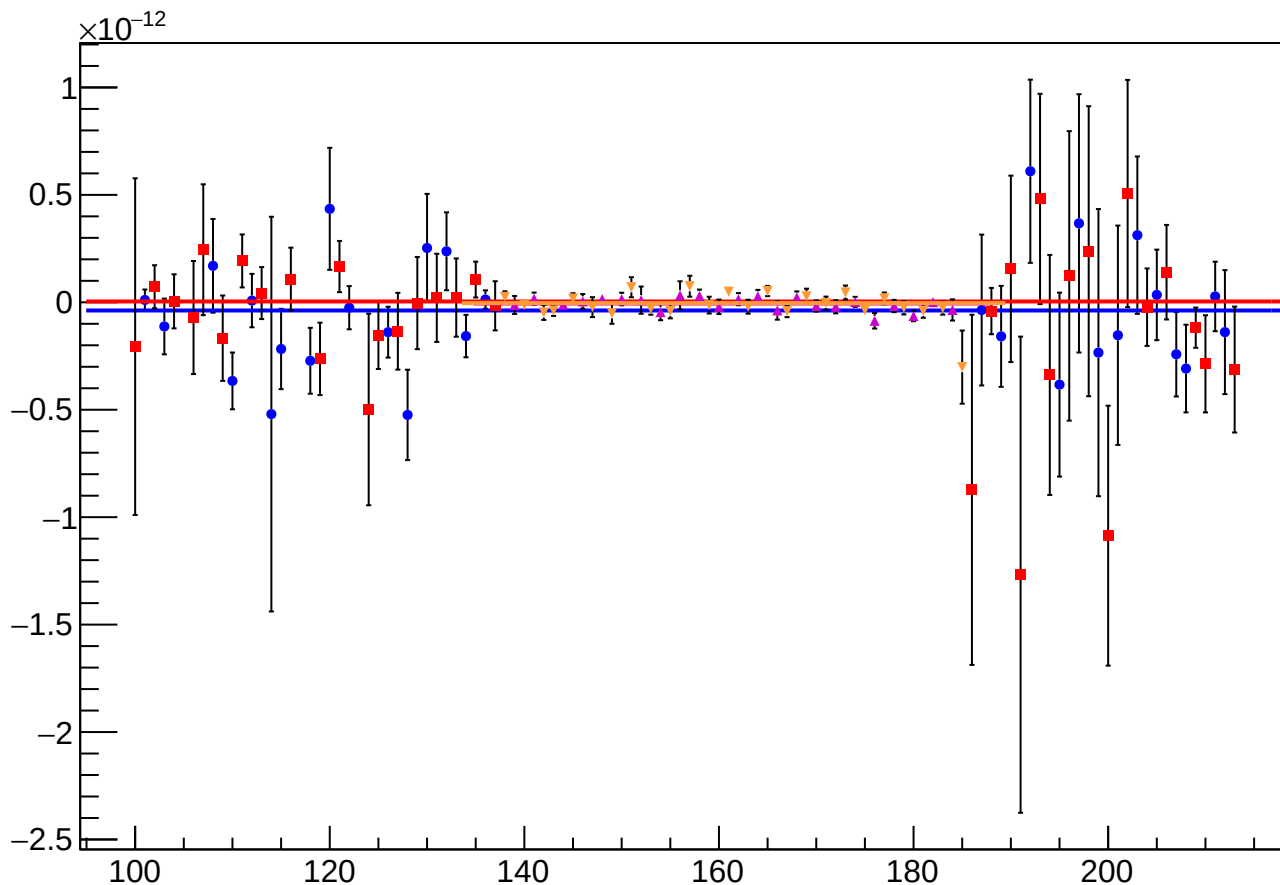
Left In: 870.346 $\pm$ 0.145 χ^2 /NDF: 604520.6/22

+ sign 1013.311 $\pm$ 0.129 χ^2 /NDF: 11048634.9/53

All: 1027.092 $\pm$ 0.092 χ^2 /NDF: 23747074.9/100

- sign 1041.742 $\pm$ 0.133 χ^2 /NDF: 12674755.6/56

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.4/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 38.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.1/33

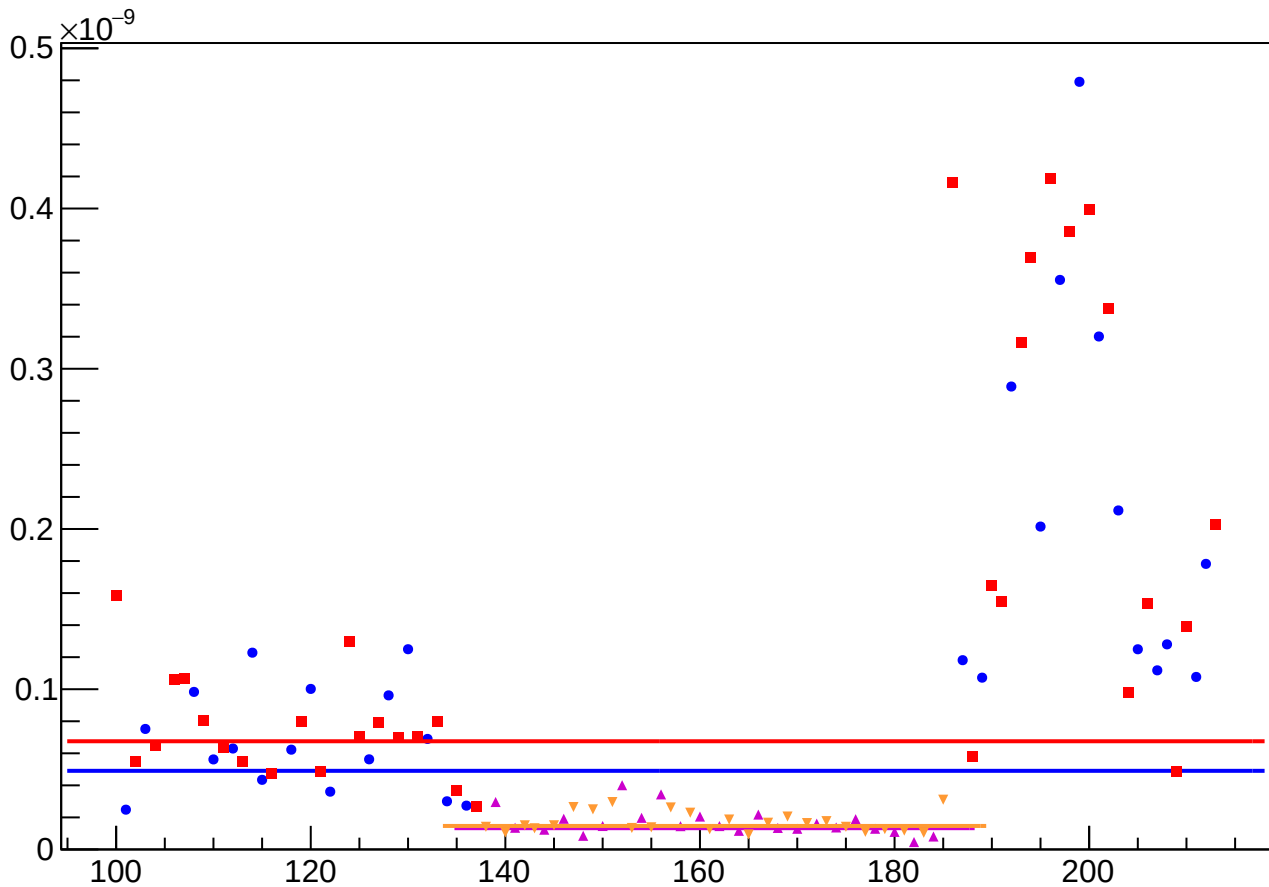
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 76.1/53

All: -0.000 ± 0.000 χ^2/NDF : 123.9/110

- sign -0.000 ± 0.000 χ^2/NDF : 47.8/56

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 6556736.6/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 1073691.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 5631792.4/33

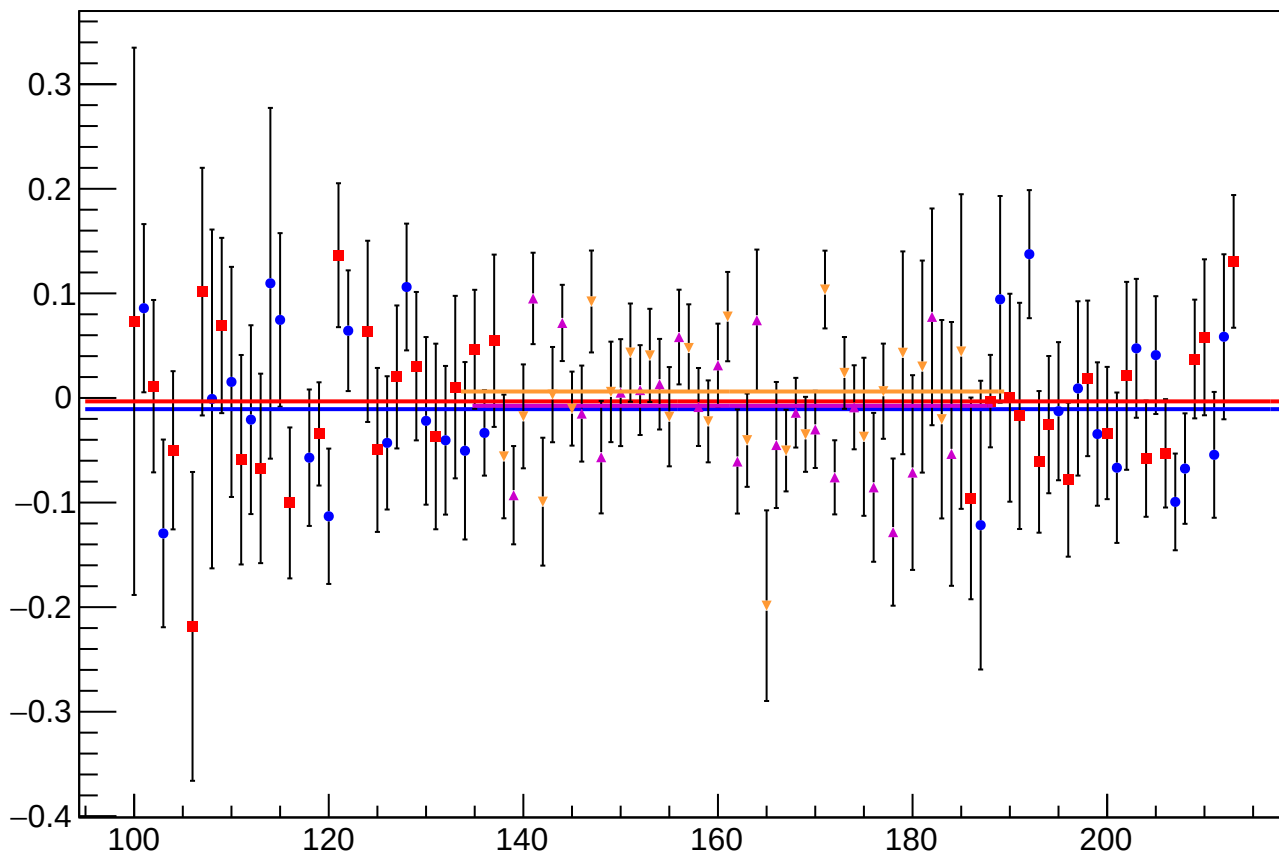
Left In: 0.000 ± 0.000 χ^2/NDF : 1970835.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 11571232.9/53

All: 0.000 ± 0.000 χ^2/NDF : 25906458.4/110

- sign 0.000 ± 0.000 χ^2/NDF : 14290346.0/56

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 30.4/28

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.003 ± 0.012 χ^2/NDF : 24.8/33

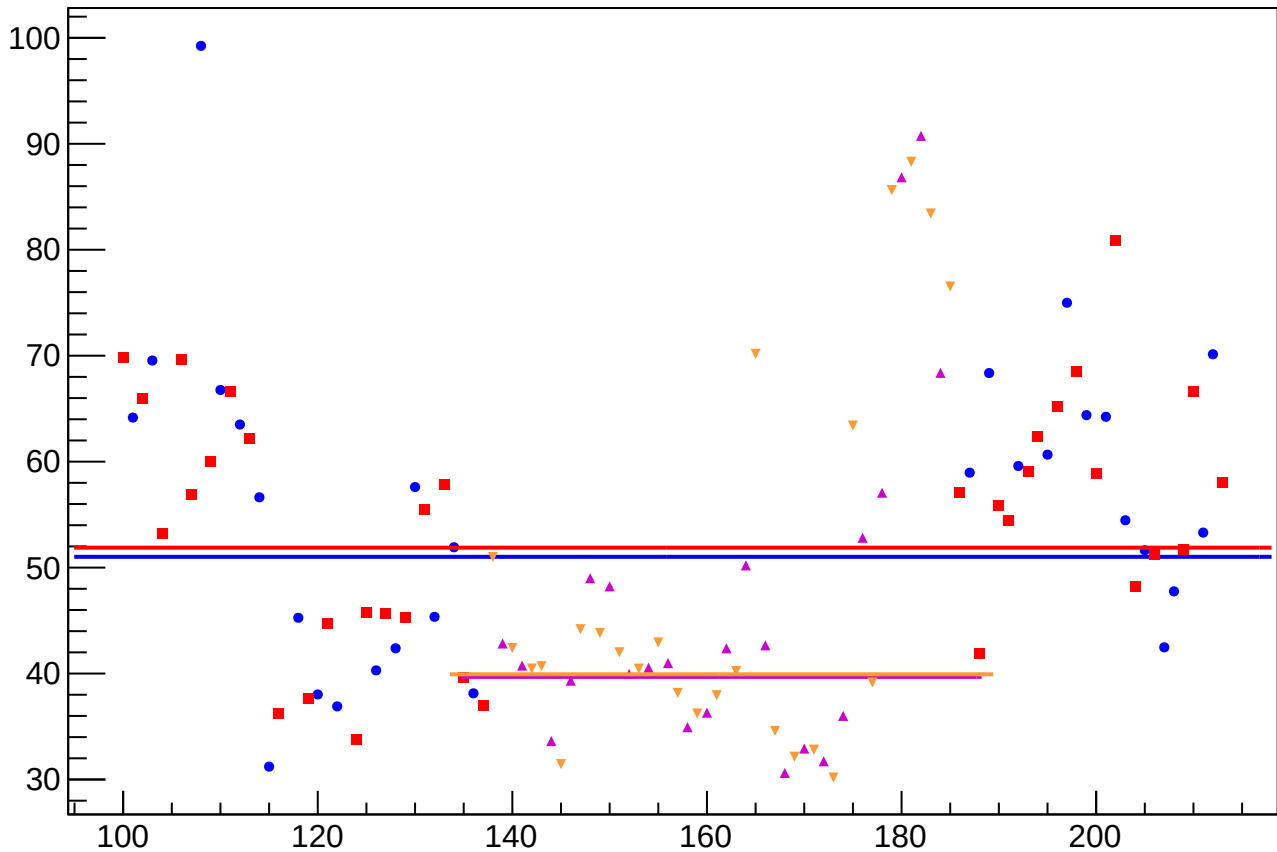
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 62.3/53

All: -0.003 ± 0.005 χ^2/NDF : 117.9/110

- sign -0.006 ± 0.008 χ^2/NDF : 55.3/56

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 51.018 $\pm$ 0.009 χ^2 /NDF: 1711355.7/28

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 51.883 $\pm$ 0.009 χ^2 /NDF: 1463541.9/33

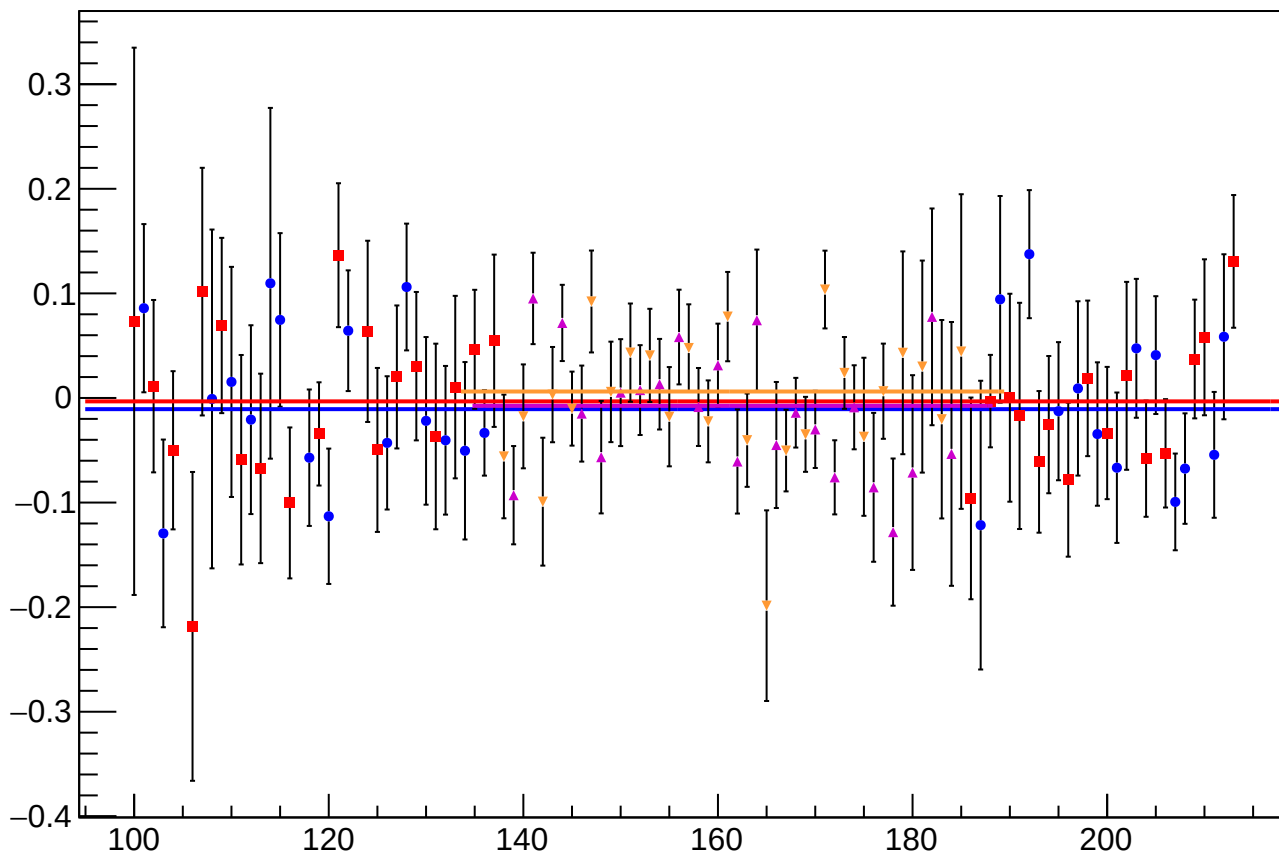
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 43.903 $\pm$ 0.005 χ^2 /NDF: 5148492.5/53

All: 44.127 $\pm$ 0.004 χ^2 /NDF: 9722753.3/110

- sign 44.352 $\pm$ 0.005 χ^2 /NDF: 4570834.4/56

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 χ^2/NDF : 30.4/28

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: -0.003 ± 0.012 χ^2/NDF : 24.8/33

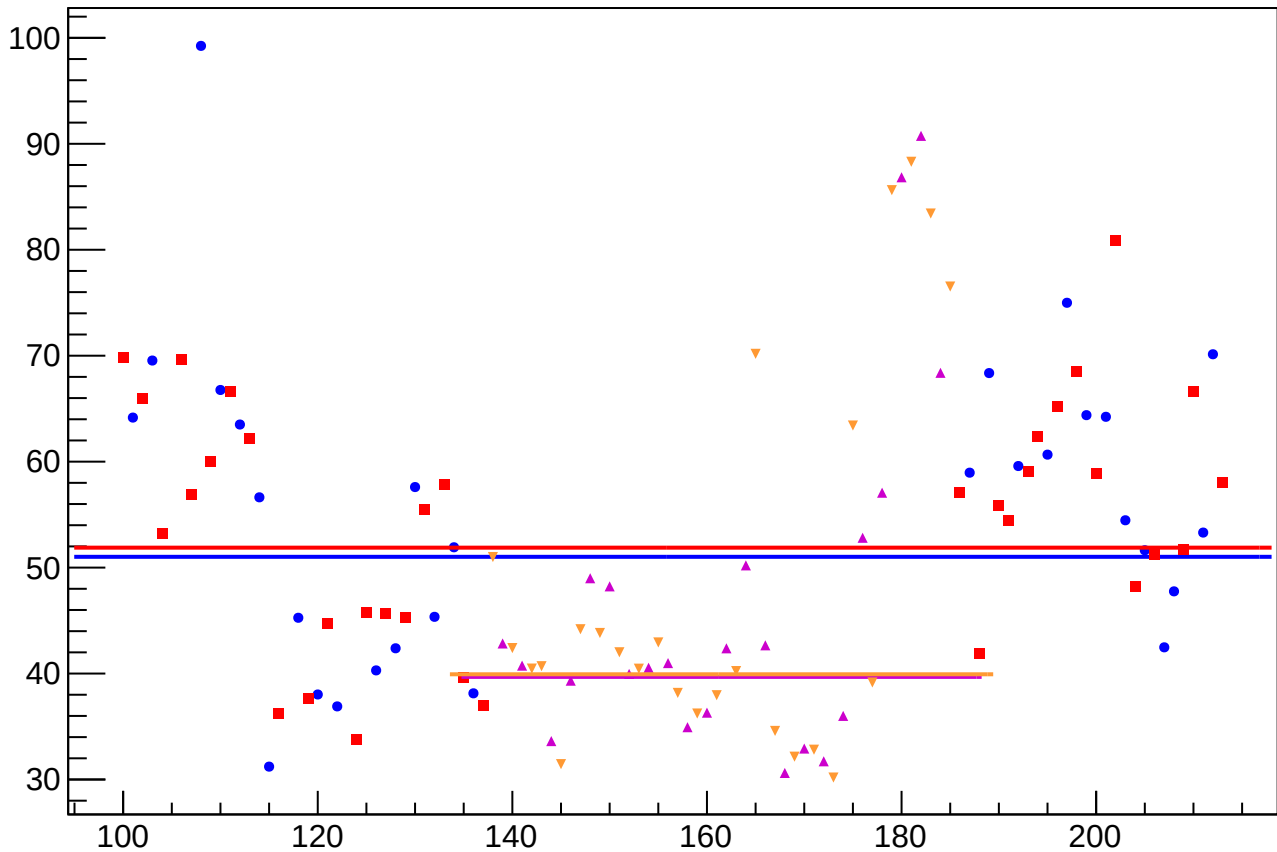
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.000 ± 0.008 χ^2/NDF : 62.3/53

All: -0.003 ± 0.005 χ^2/NDF : 117.9/110

- sign -0.006 ± 0.008 χ^2/NDF : 55.3/56

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.018 $\pm$ 0.009 χ^2 /NDF: 1711355.7/28

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 51.883 $\pm$ 0.009 χ^2 /NDF: 1463541.9/33

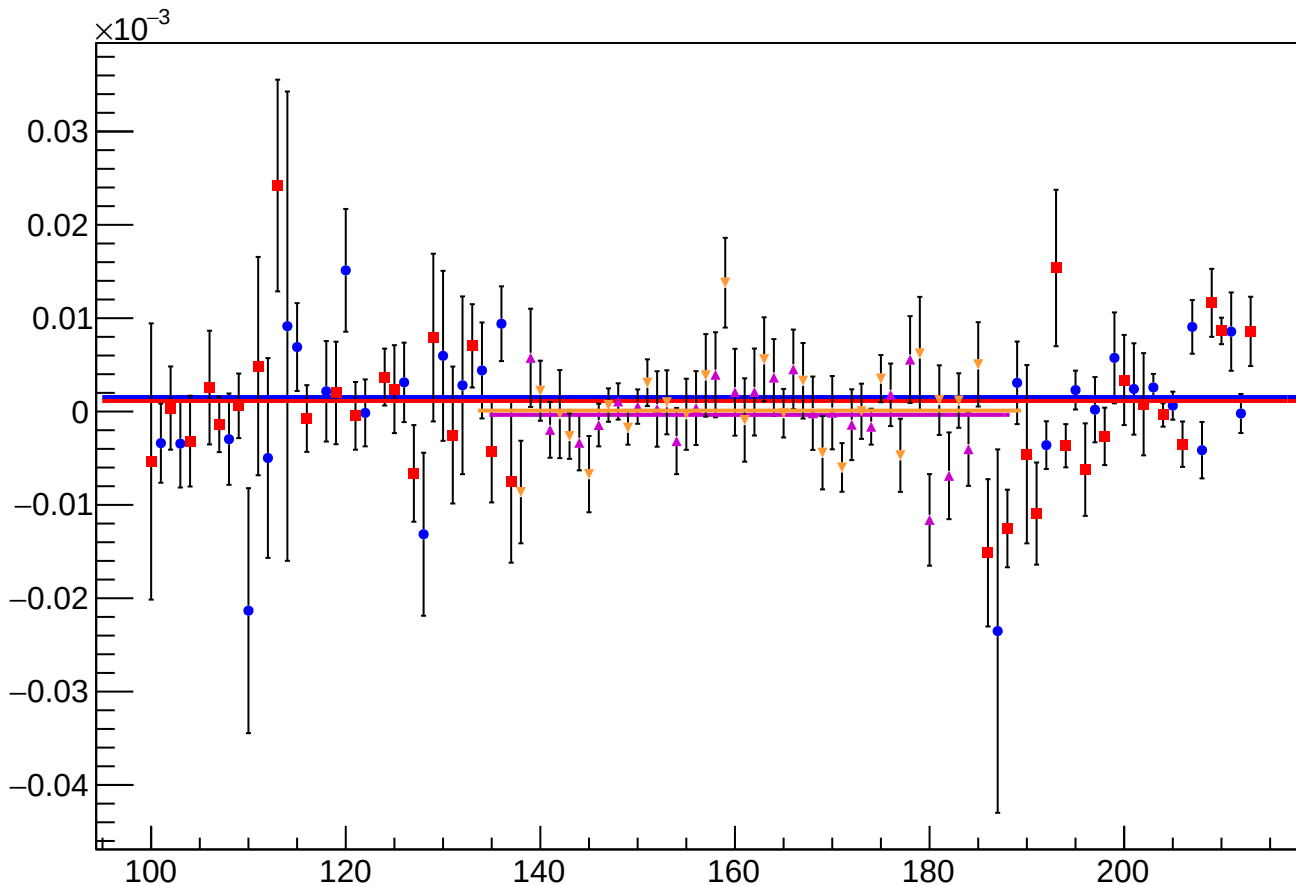
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 43.903 $\pm$ 0.005 χ^2 /NDF: 5148492.5/53

All: 44.127 $\pm$ 0.004 χ^2 /NDF: 9722753.3/110

- sign 44.352 $\pm$ 0.005 χ^2 /NDF: 4570834.4/56

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:33.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 90.9/33

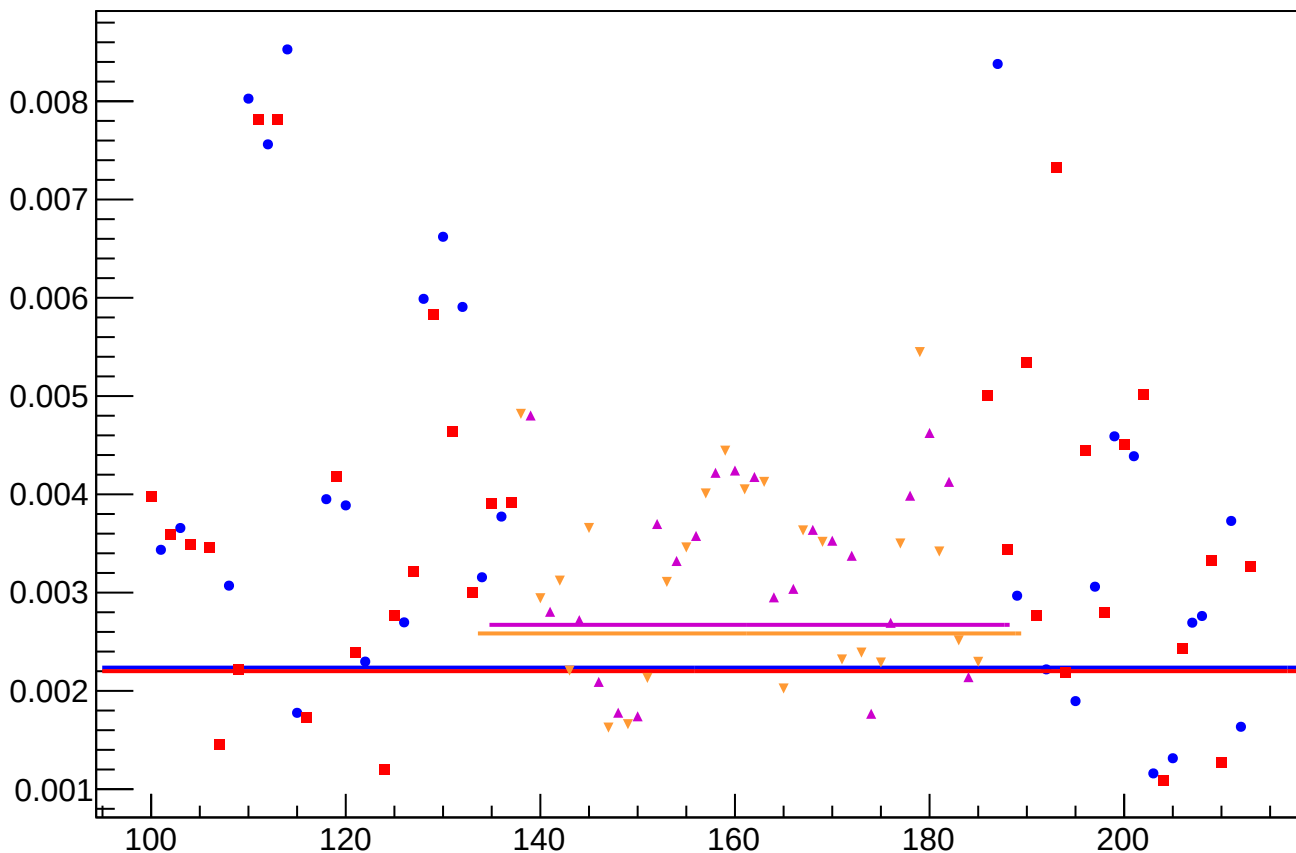
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 190.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 112.3/56

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6938914.3/28

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3892707.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8735054.5/33

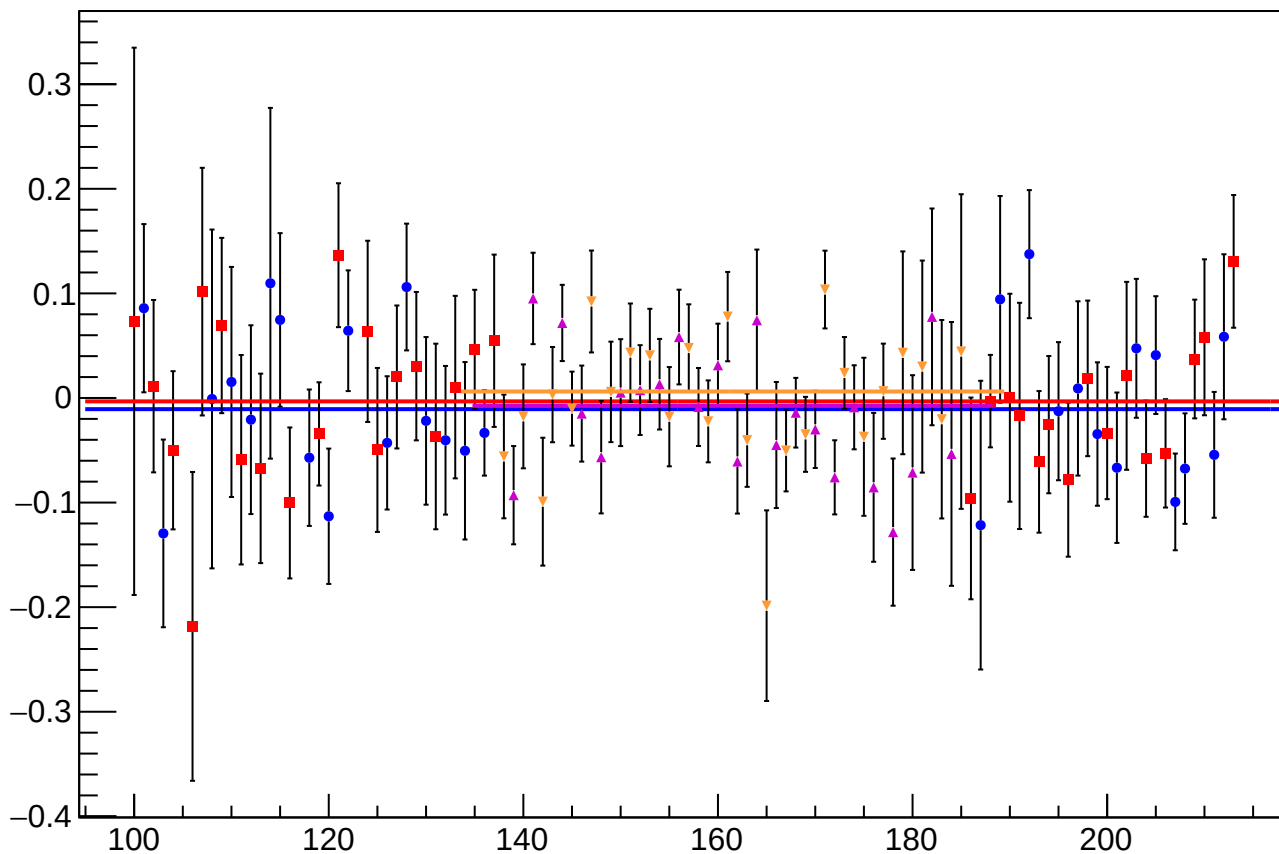
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3825662.0/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11141243.8/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 24256338.0/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13115087.2/56

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 $\chi^2/\text{NDF}: 30.4/28$

Left Out: 0.006 ± 0.010 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -0.003 ± 0.012 $\chi^2/\text{NDF}: 24.8/33$

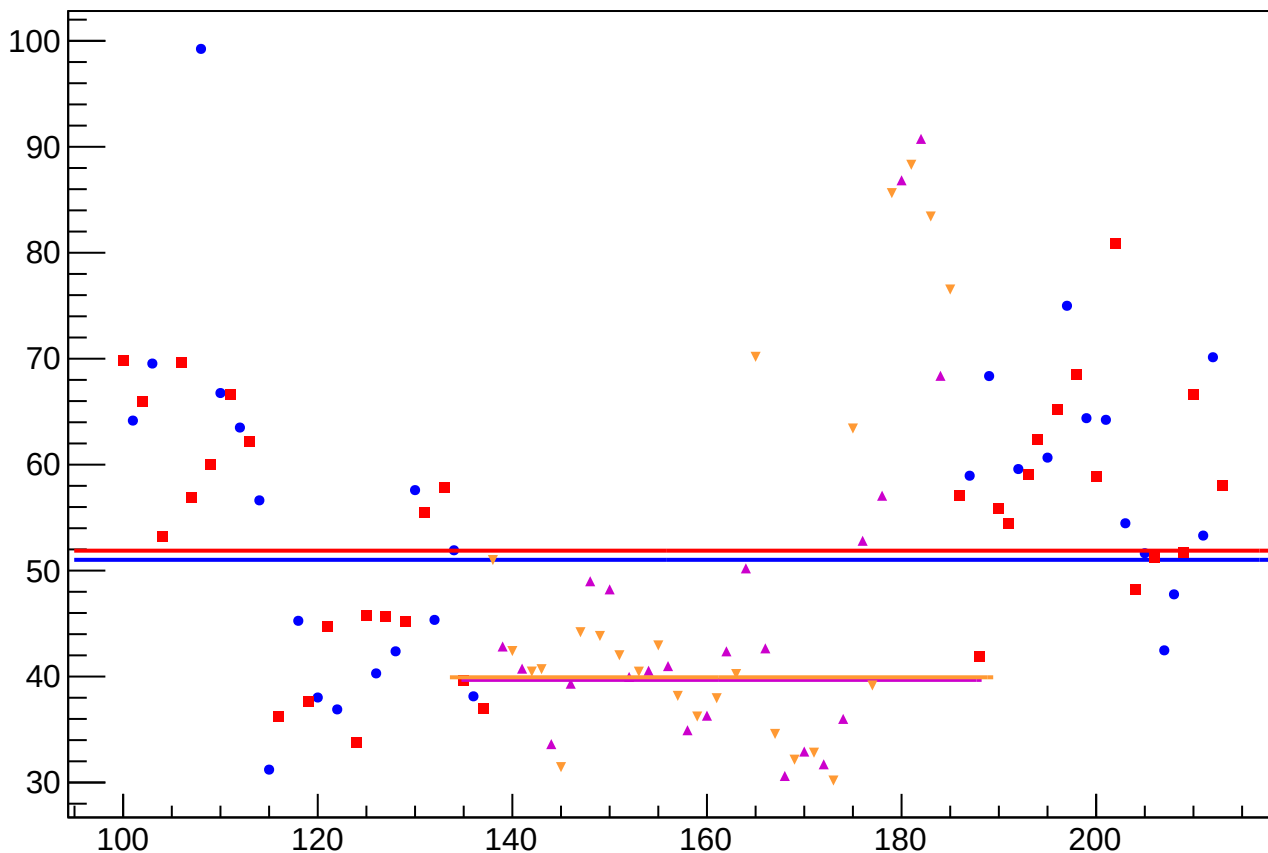
Left In: -0.007 ± 0.010 $\chi^2/\text{NDF}: 30.4/22$

+ sign 0.000 ± 0.008 $\chi^2/\text{NDF}: 62.3/53$

All: -0.003 ± 0.005 $\chi^2/\text{NDF}: 117.9/110$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 55.3/56$

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.017 $\pm$ 0.009 χ^2 /NDF: 1711425.5/28

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 51.882 $\pm$ 0.009 χ^2 /NDF: 1463577.9/33

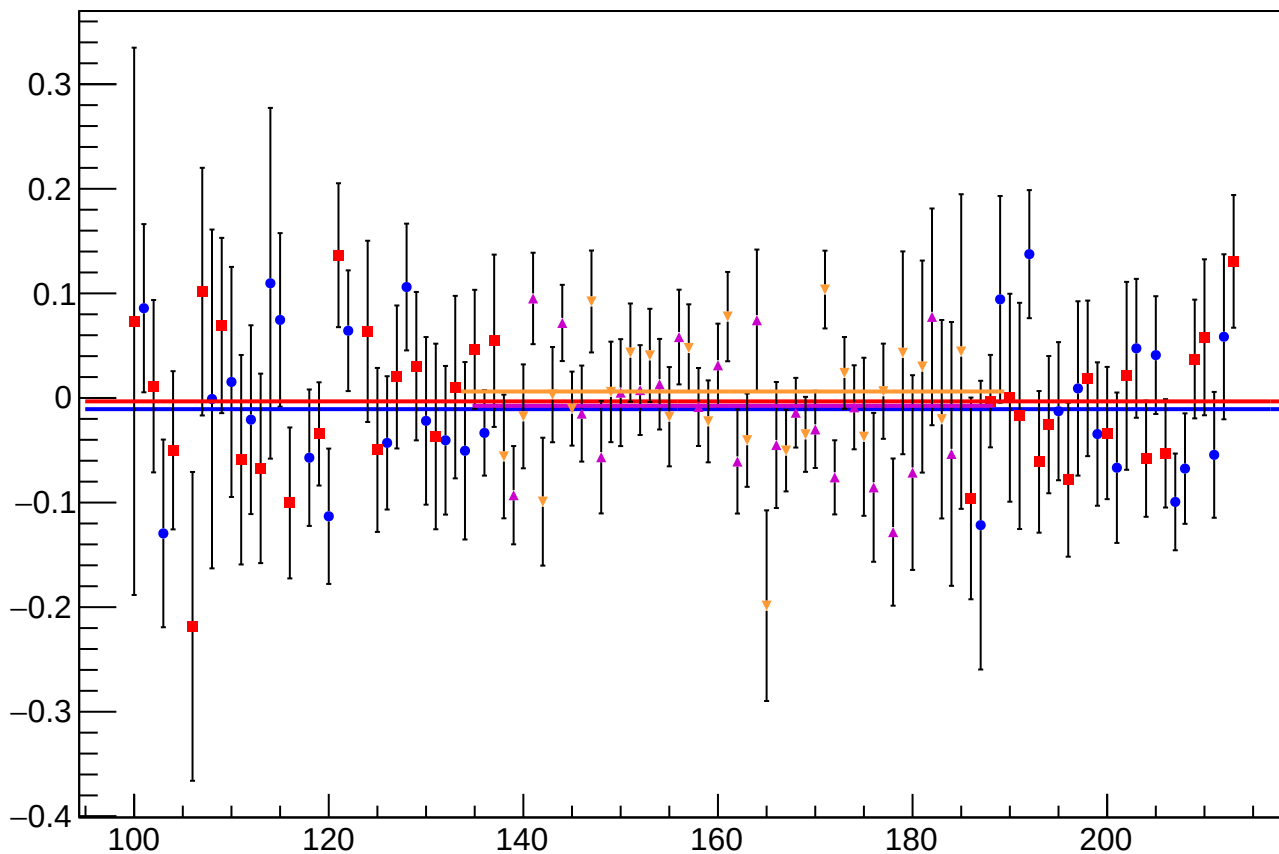
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 43.903 $\pm$ 0.005 χ^2 /NDF: 5148426.4/53

All: 44.127 $\pm$ 0.004 χ^2 /NDF: 9722680.8/110

- sign 44.352 $\pm$ 0.005 χ^2 /NDF: 4570829.7/56

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.013 $\chi^2/\text{NDF}: 30.4/28$

Left Out: 0.006 ± 0.010 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -0.003 ± 0.012 $\chi^2/\text{NDF}: 24.8/33$

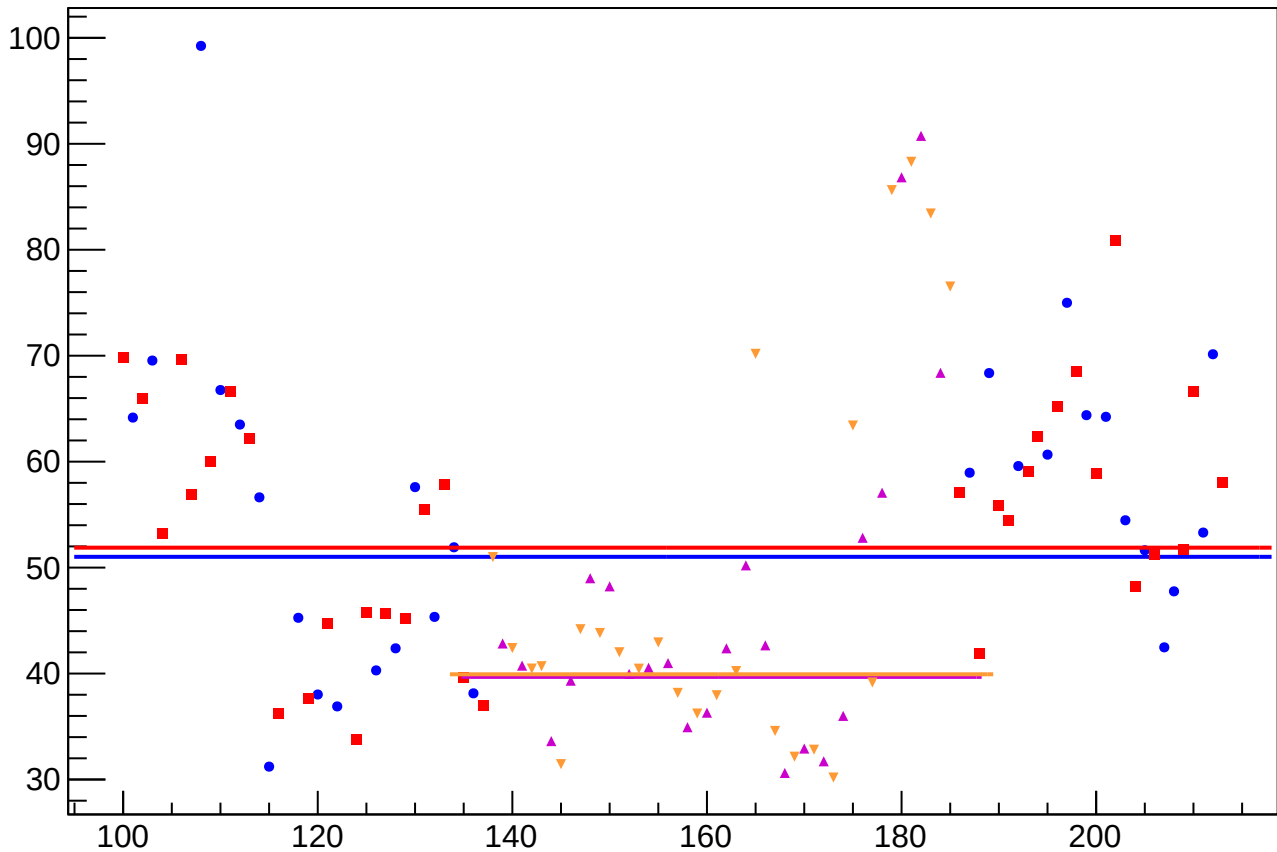
Left In: -0.007 ± 0.010 $\chi^2/\text{NDF}: 30.4/22$

+ sign 0.000 ± 0.008 $\chi^2/\text{NDF}: 62.3/53$

All: -0.003 ± 0.005 $\chi^2/\text{NDF}: 117.9/110$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 55.3/56$

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.017 $\pm$ 0.009 χ^2 /NDF: 1711425.5/28

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 51.882 $\pm$ 0.009 χ^2 /NDF: 1463577.9/33

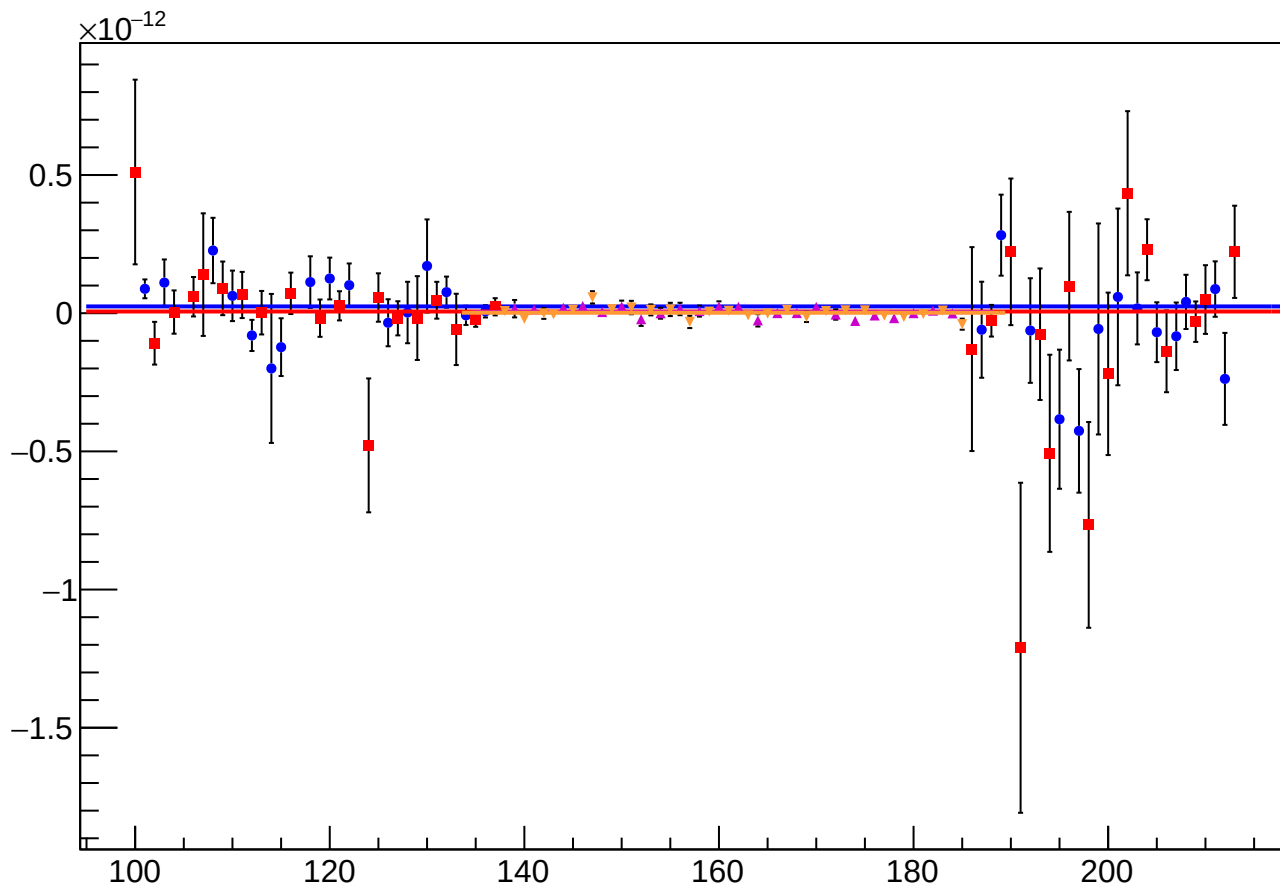
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 43.903 $\pm$ 0.005 χ^2 /NDF: 5148426.4/53

All: 44.127 $\pm$ 0.004 χ^2 /NDF: 9722680.8/110

- sign 44.352 $\pm$ 0.005 χ^2 /NDF: 4570829.7/56

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.9/33

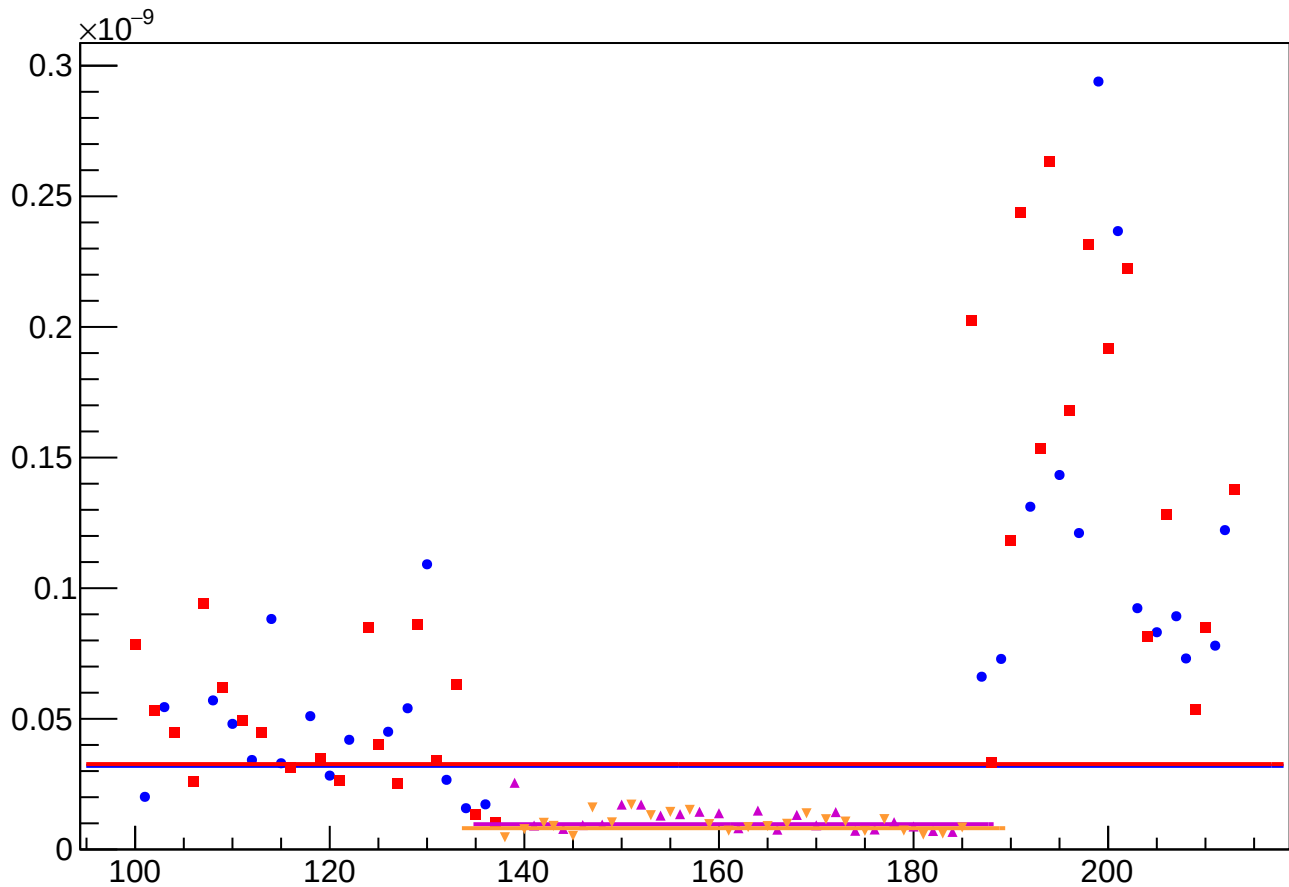
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 66.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 130.3/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.4/56

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8546669.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10513800.7/33

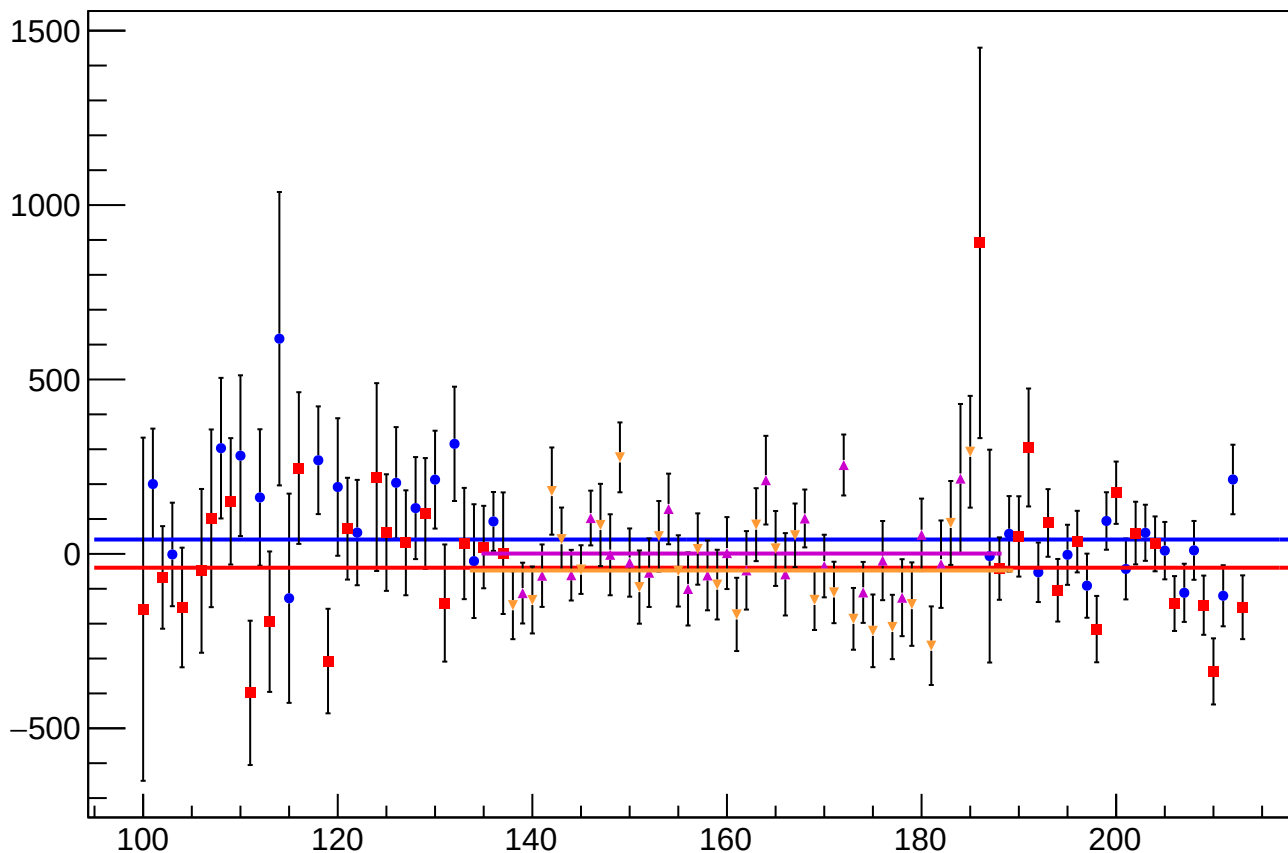
Left In: 0.000+/-0.000 χ^2/NDF : 2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 17558358.8/53

All: 0.000+/-0.000 χ^2/NDF : 36284077.4/110

- sign 0.000+/-0.000 χ^2/NDF : 18327231.7/56

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 41.211 ± 21.233 χ^2/NDF : 30.5/28

Left Out: -47.524 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -39.601 ± 20.979 χ^2/NDF : 50.8/33

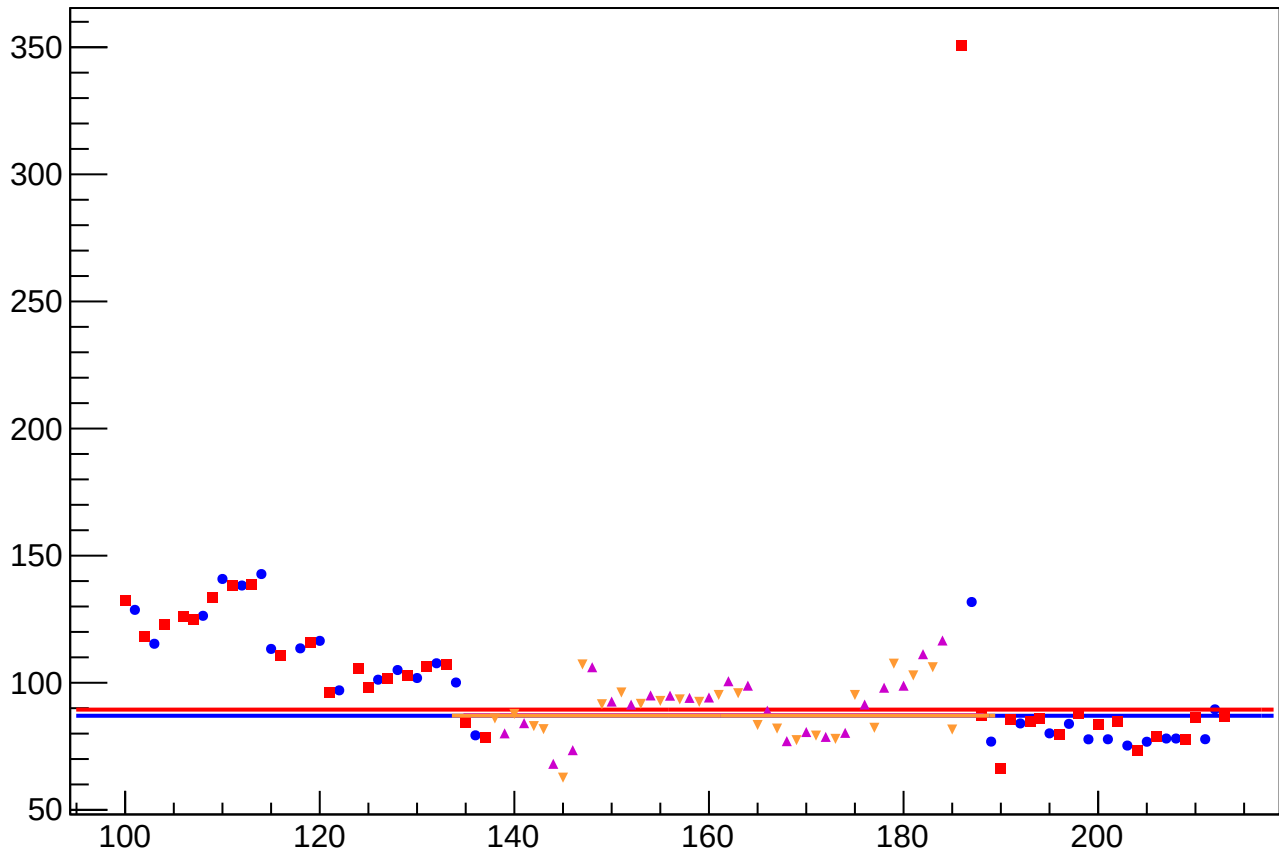
Left In: 0.986 ± 20.604 χ^2/NDF : 25.5/22

+ sign -5.845 ± 14.552 χ^2/NDF : 83.7/53

All: -12.327 ± 10.342 χ^2/NDF : 162.3/110

- sign -18.941 ± 14.700 χ^2/NDF : 78.2/56

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.020 $\pm$ 0.015 χ^2 /NDF: 1094262.3/28

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.442 $\pm$ 0.015 χ^2 /NDF: 1520437.4/33

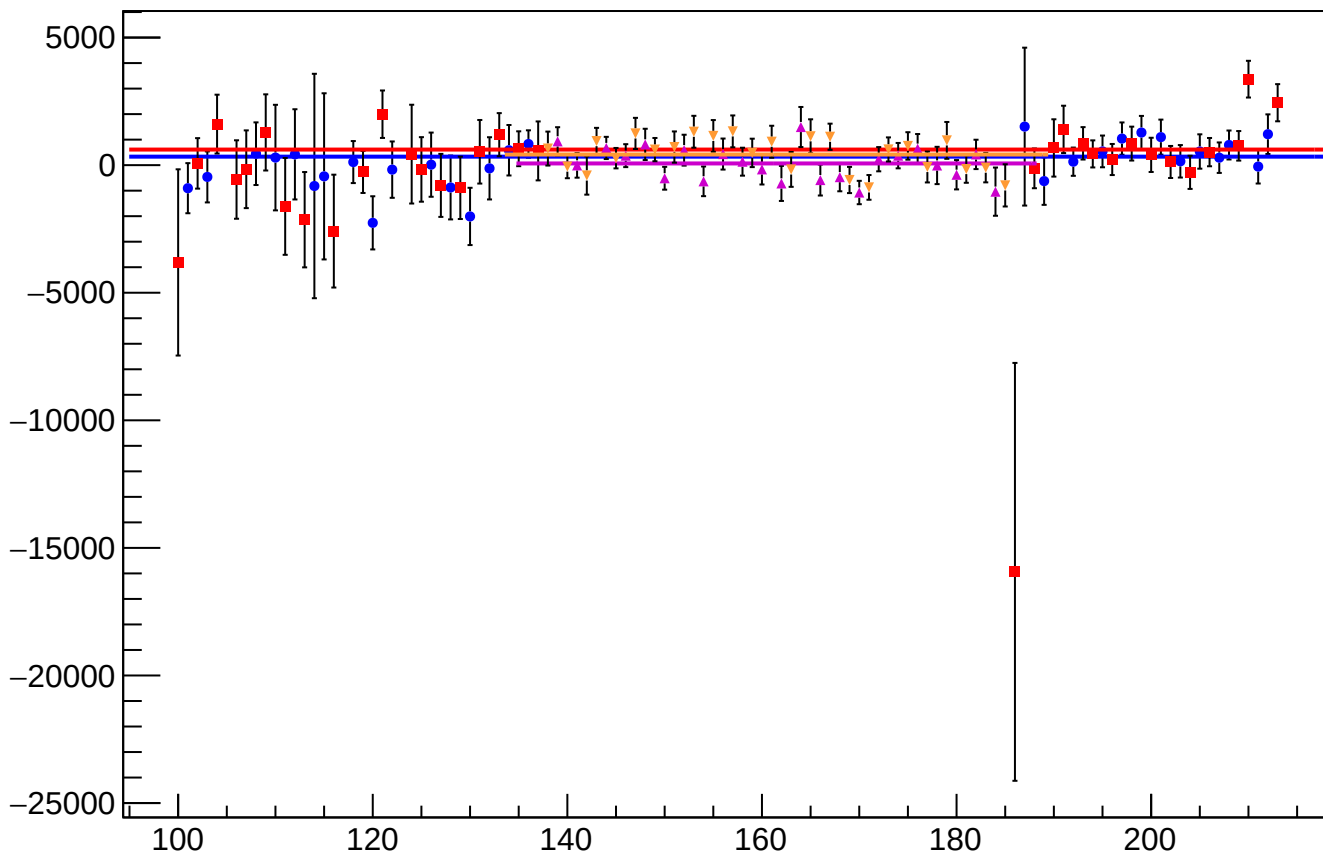
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.047 $\pm$ 0.010 χ^2 /NDF: 1714895.2/53

All: 87.682 $\pm$ 0.007 χ^2 /NDF: 3849852.5/110

- sign 88.329 $\pm$ 0.010 χ^2 /NDF: 2127273.7/56

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 332.975 ± 153.479 χ^2/NDF : 23.7/28

Left Out: 416.424 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 610.611 ± 148.245 χ^2/NDF : 46.4/33

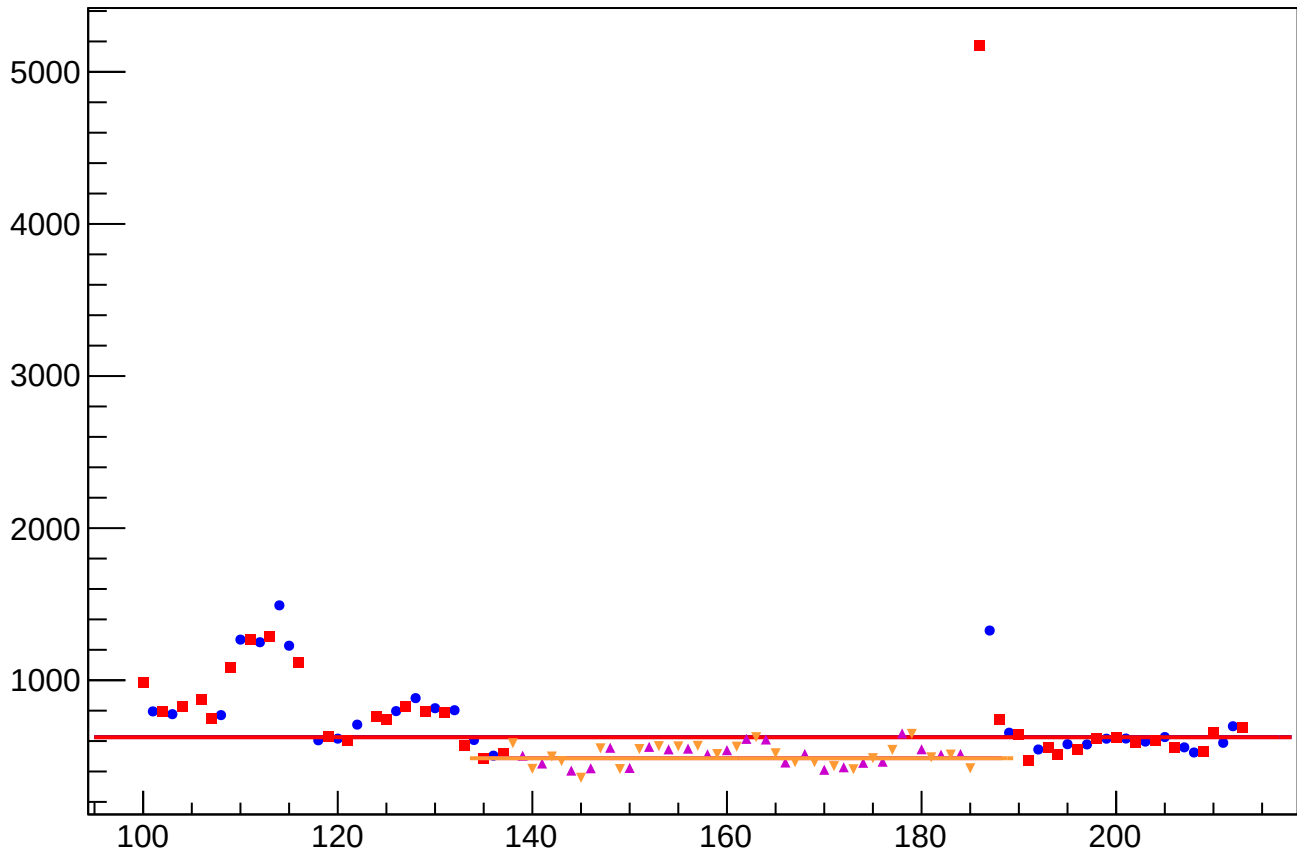
Left In: 66.675 ± 115.419 χ^2/NDF : 27.5/22

+ sign 387.314 ± 90.649 χ^2/NDF : 56.3/53

All: 329.904 ± 64.247 χ^2/NDF : 139.5/110

- sign 271.957 ± 91.071 χ^2/NDF : 82.3/56

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 626.319 $\pm$ 0.109 χ^2 /NDF: 1344828.6/28

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821265.9/24

Right Out: 625.166 $\pm$ 0.105 χ^2 /NDF: 2223467.0/33

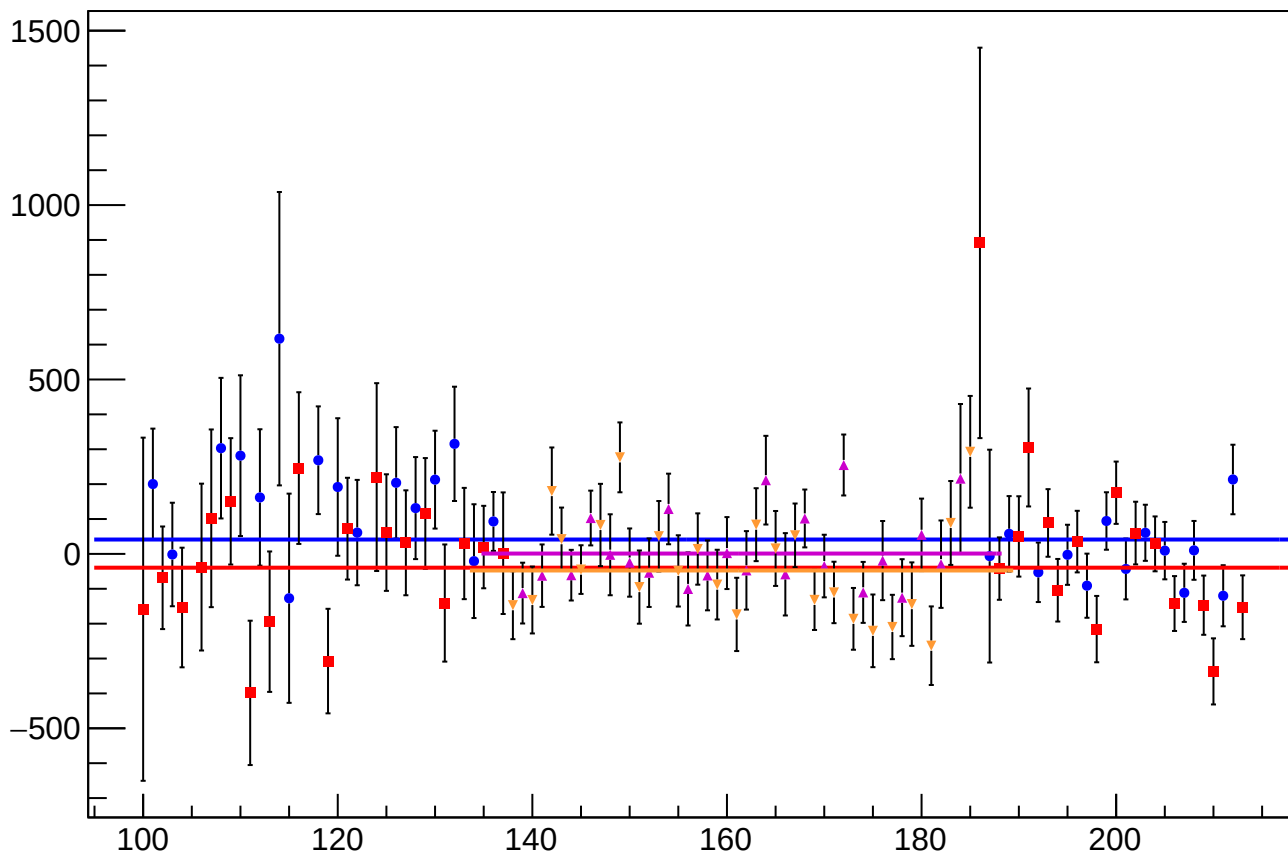
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634269.5/22

+ sign 535.653 $\pm$ 0.064 χ^2 /NDF: 3237954.0/53

All: 537.678 $\pm$ 0.045 χ^2 /NDF: 7164820.1/110

- sign 539.723 $\pm$ 0.064 χ^2 /NDF: 3924859.1/56

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.204 ± 21.233 χ^2/NDF : 30.5/28

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -39.534 ± 20.982 χ^2/NDF : 50.8/33

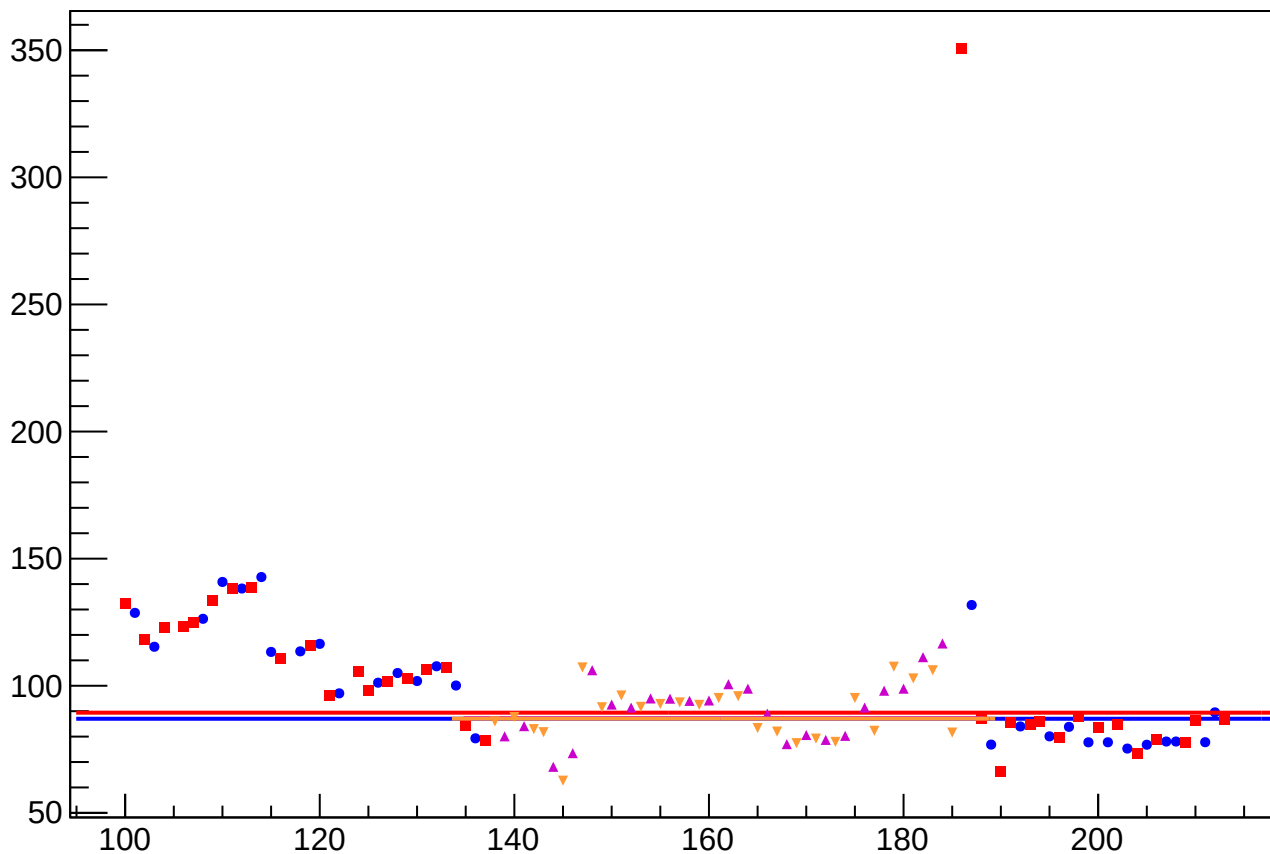
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -5.853 ± 14.552 χ^2/NDF : 83.7/53

All: -12.312 ± 10.342 χ^2/NDF : 162.2/110

- sign -18.904 ± 14.701 χ^2/NDF : 78.2/56

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.020 $\pm$ 0.015 χ^2 /NDF: 1094262.7/28

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.410 $\pm$ 0.015 χ^2 /NDF: 1511846.2/33

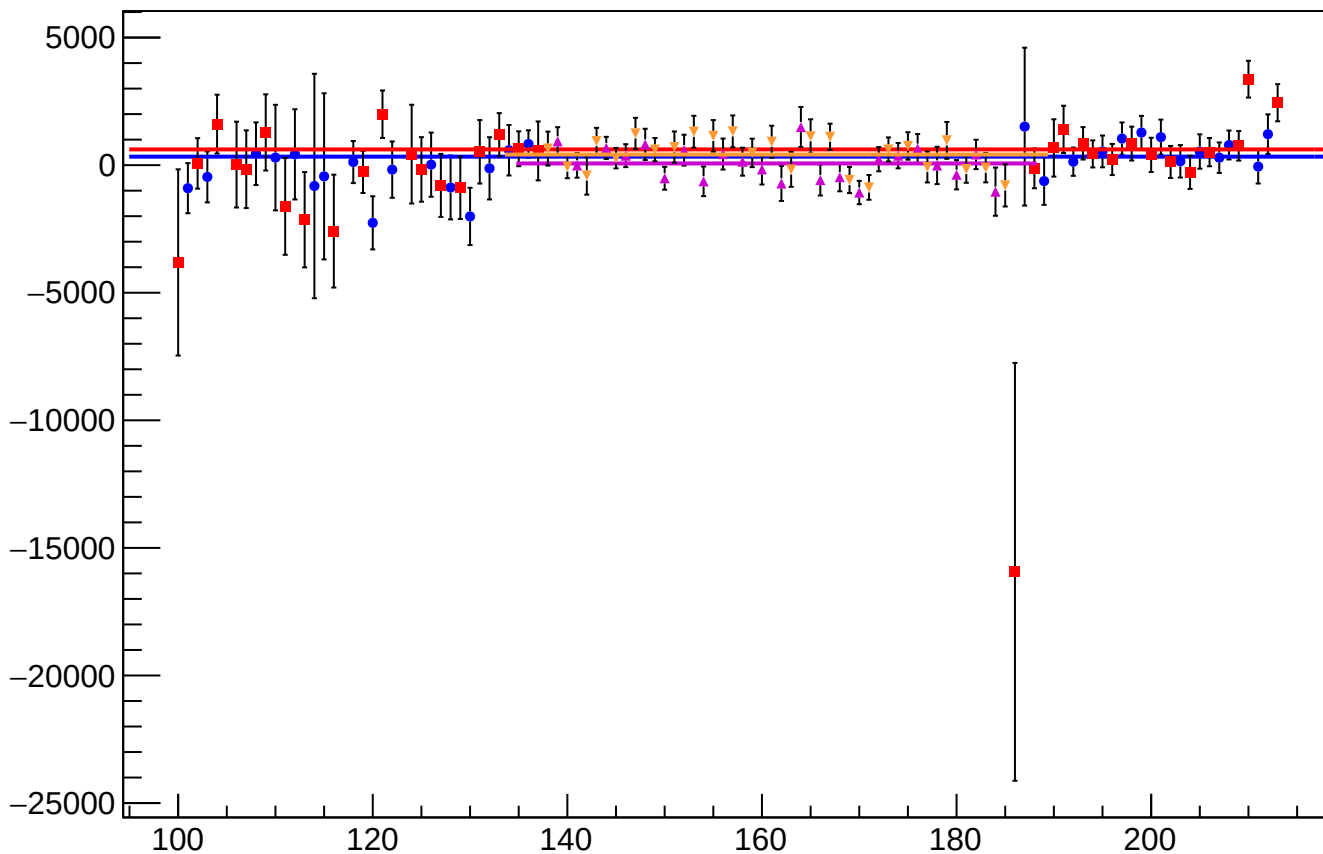
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.047 $\pm$ 0.010 χ^2 /NDF: 1714895.6/53

All: 87.674 $\pm$ 0.007 χ^2 /NDF: 3840749.0/110

- sign 88.313 $\pm$ 0.010 χ^2 /NDF: 2118359.5/56

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: 332.972 $\pm$ 153.479 χ^2/NDF : 23.7/28

Left Out: 416.416 $\pm$ 112.336 χ^2/NDF : 32.4/24

Right Out: 616.968 $\pm$ 148.361 χ^2/NDF : 46.0/33

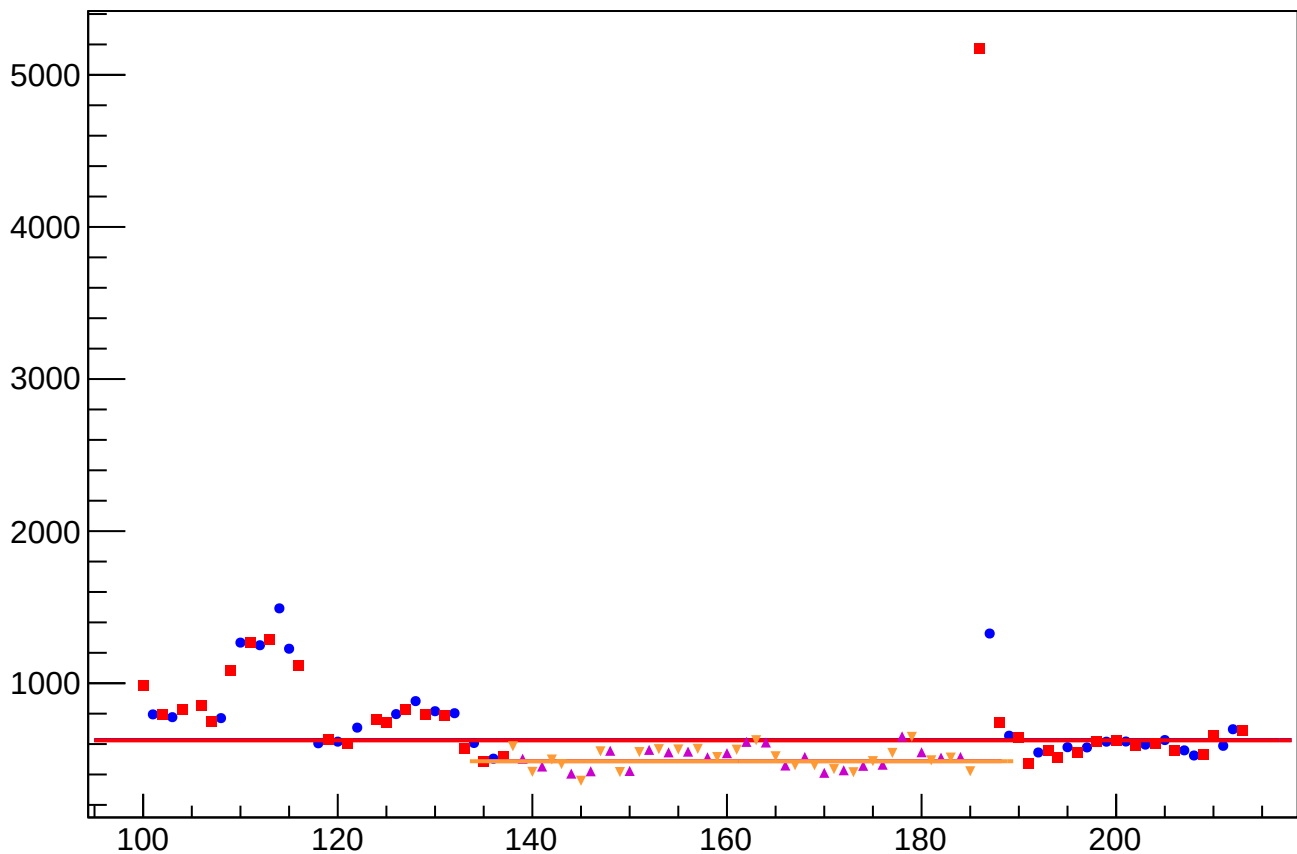
Left In: 66.674 $\pm$ 115.419 χ^2/NDF : 27.5/22

+ sign 387.308 $\pm$ 90.649 χ^2/NDF : 56.3/53

All: 331.010 $\pm$ 64.257 χ^2/NDF : 139.2/110

- sign 274.153 $\pm$ 91.098 χ^2/NDF : 82.1/56

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 626.319 $\pm$ 0.109 χ^2 /NDF: 1344841.0/28

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821261.6/24

Right Out: 624.630 $\pm$ 0.105 χ^2 /NDF: 2208155.2/33

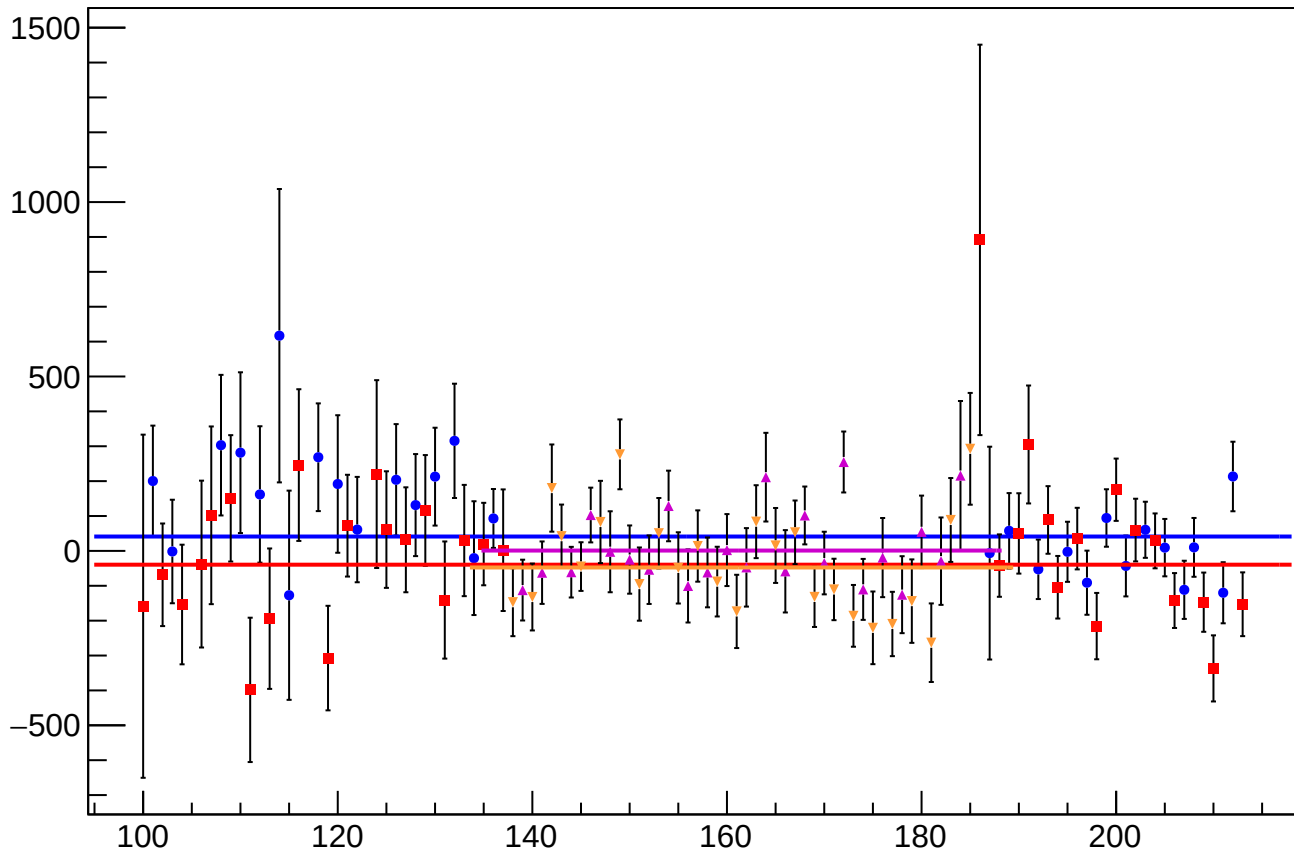
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634273.3/22

+ sign 535.653 $\pm$ 0.064 χ^2 /NDF: 3237959.7/53

All: 537.552 $\pm$ 0.045 χ^2 /NDF: 7139917.2/110

- sign 539.470 $\pm$ 0.064 χ^2 /NDF: 3900192.6/56

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.204 $\pm$ 21.233 χ^2 /NDF: 30.5/28

Left Out: -47.532 $\pm$ 19.983 χ^2 /NDF: 44.0/24

Right Out: -39.534 $\pm$ 20.982 χ^2 /NDF: 50.8/33

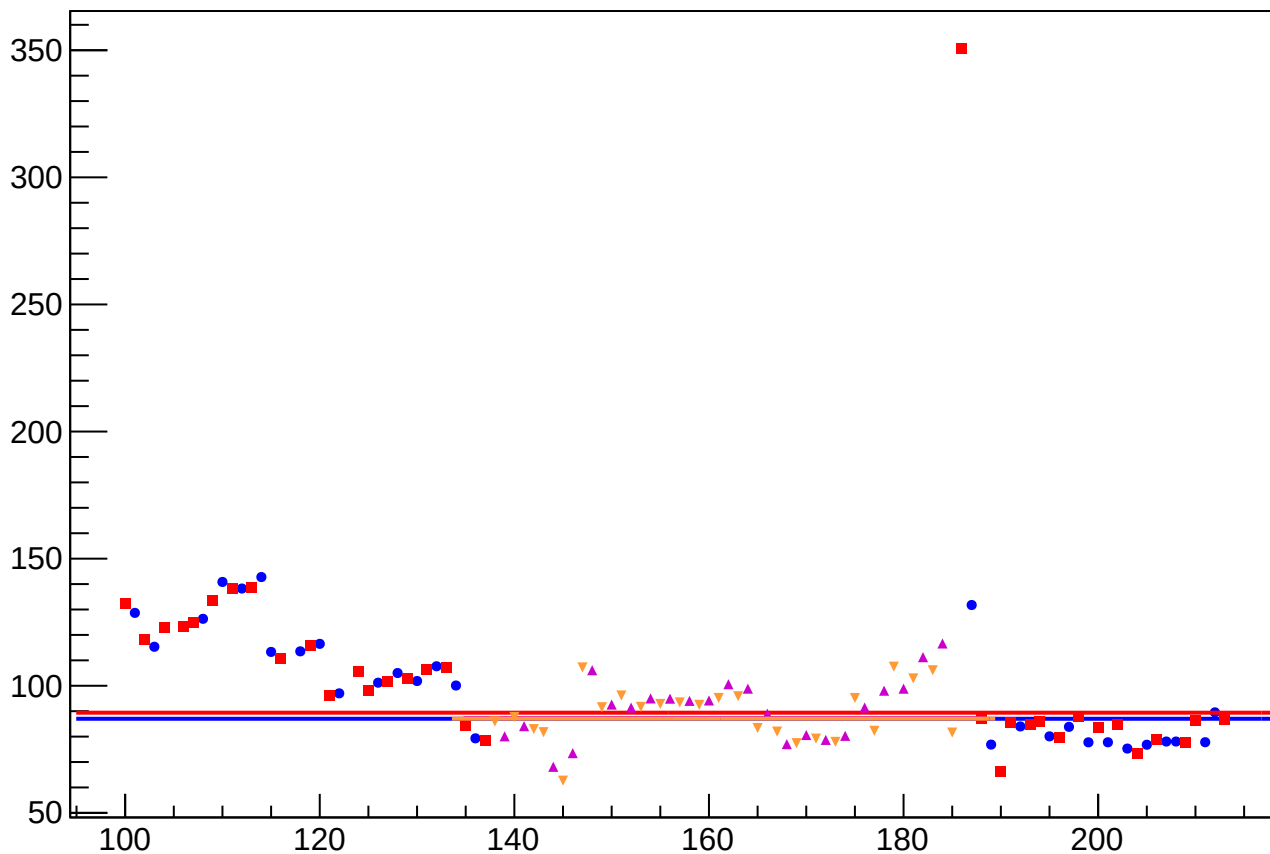
Left In: 0.988 $\pm$ 20.604 χ^2 /NDF: 25.5/22

+ sign -5.853 $\pm$ 14.552 χ^2 /NDF: 83.7/53

All: -12.312 $\pm$ 10.342 χ^2 /NDF: 162.2/110

- sign -18.904 $\pm$ 14.701 χ^2 /NDF: 78.2/56

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.020 $\pm$ 0.015 χ^2 /NDF: 1094262.7/28

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 89.410 $\pm$ 0.015 χ^2 /NDF: 1511846.2/33

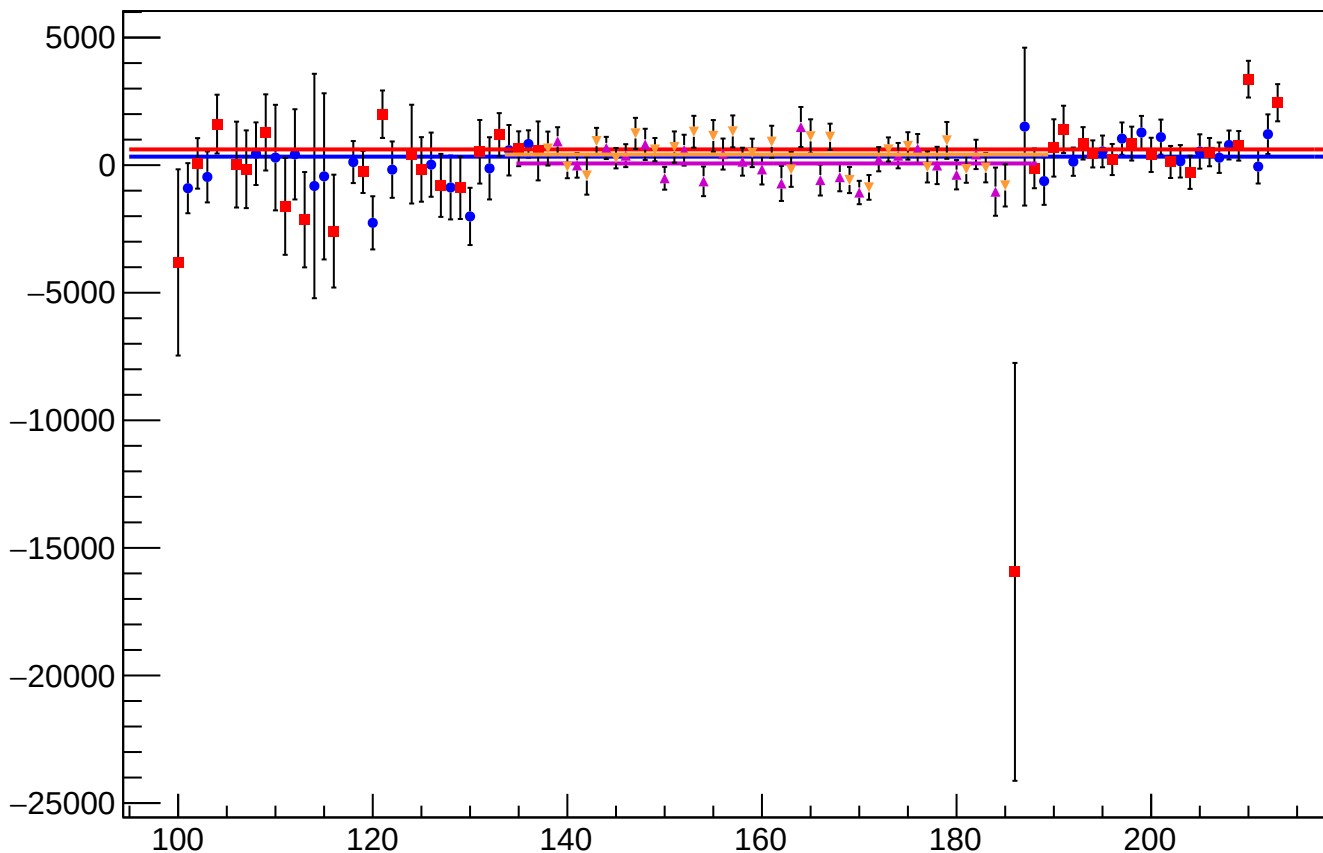
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 87.047 $\pm$ 0.010 χ^2 /NDF: 1714895.6/53

All: 87.674 $\pm$ 0.007 χ^2 /NDF: 3840749.0/110

- sign 88.313 $\pm$ 0.010 χ^2 /NDF: 2118359.5/56

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: 332.972 ± 153.479 χ^2/NDF : 23.7/28

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 616.968 ± 148.361 χ^2/NDF : 46.0/33

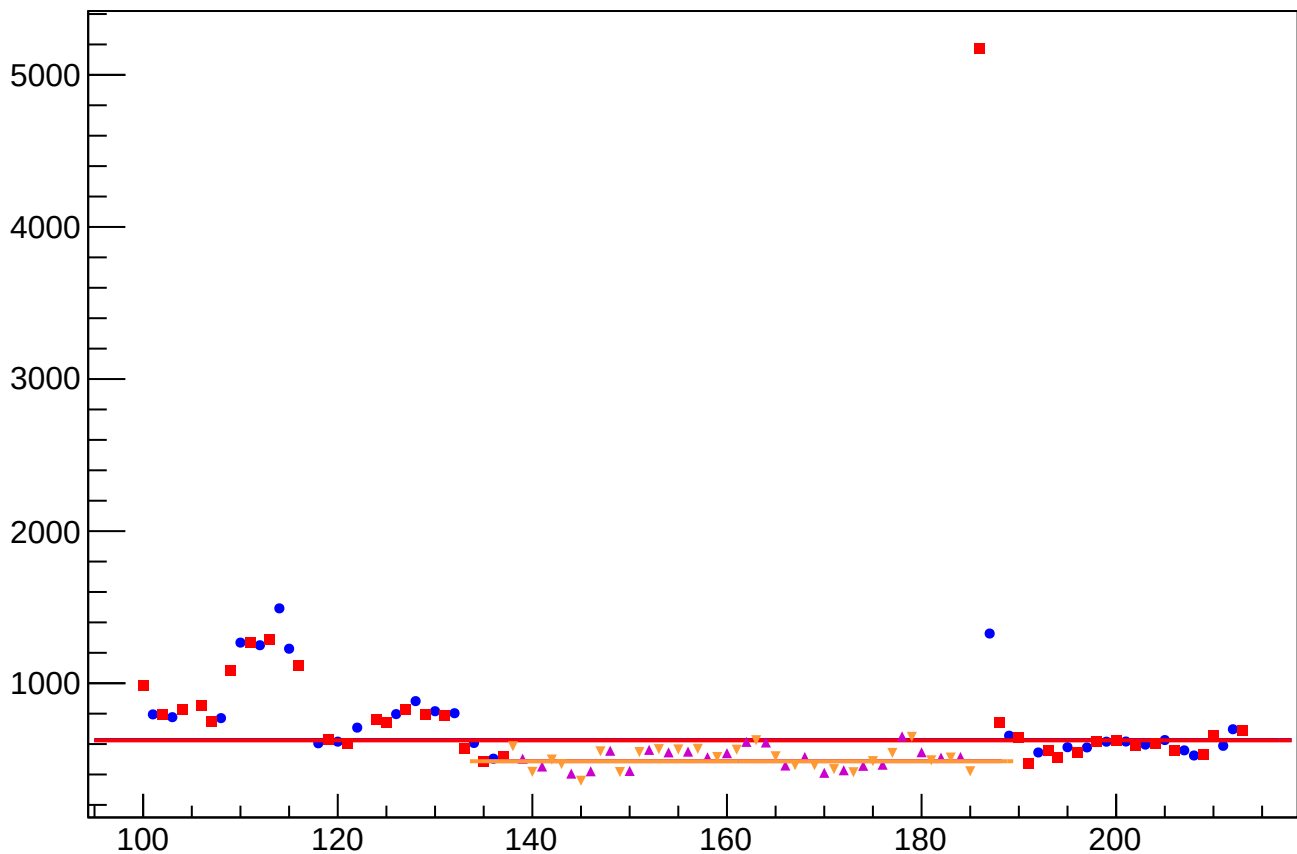
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 387.308 ± 90.649 χ^2/NDF : 56.3/53

All: 331.010 ± 64.257 χ^2/NDF : 139.2/110

- sign 274.153 ± 91.098 χ^2/NDF : 82.1/56

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 626.319 $\pm$ 0.109 χ^2 /NDF: 1344841.0/28

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821261.6/24

Right Out: 624.630 $\pm$ 0.105 χ^2 /NDF: 2208155.2/33

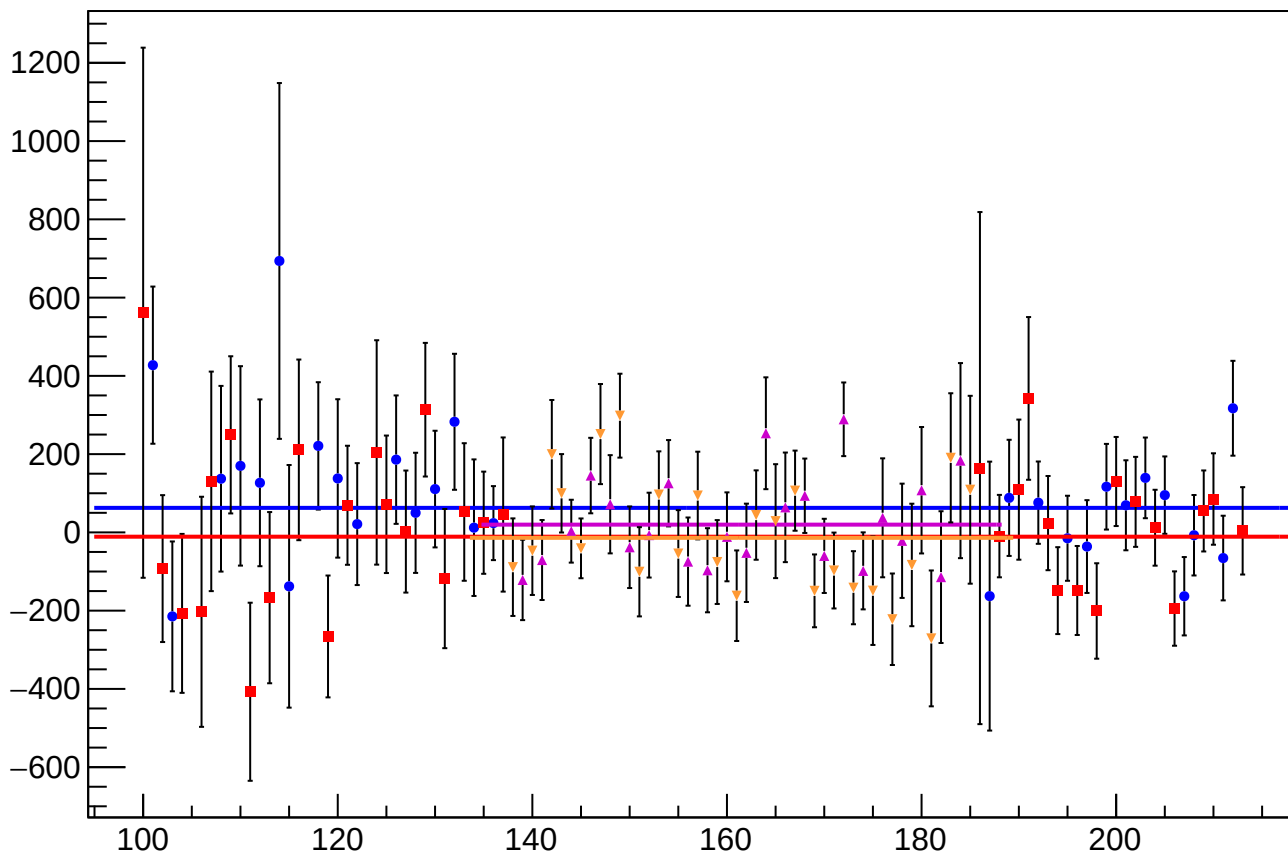
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634273.3/22

+ sign 535.653 $\pm$ 0.064 χ^2 /NDF: 3237959.7/53

All: 537.552 $\pm$ 0.045 χ^2 /NDF: 7139917.2/110

- sign 539.470 $\pm$ 0.064 χ^2 /NDF: 3900192.6/56

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 62.680 ± 25.551 χ^2/NDF : 25.8/28

Left Out: -13.904 ± 22.916 χ^2/NDF : 36.4/24

Right Out: -10.989 ± 25.207 χ^2/NDF : 32.6/33

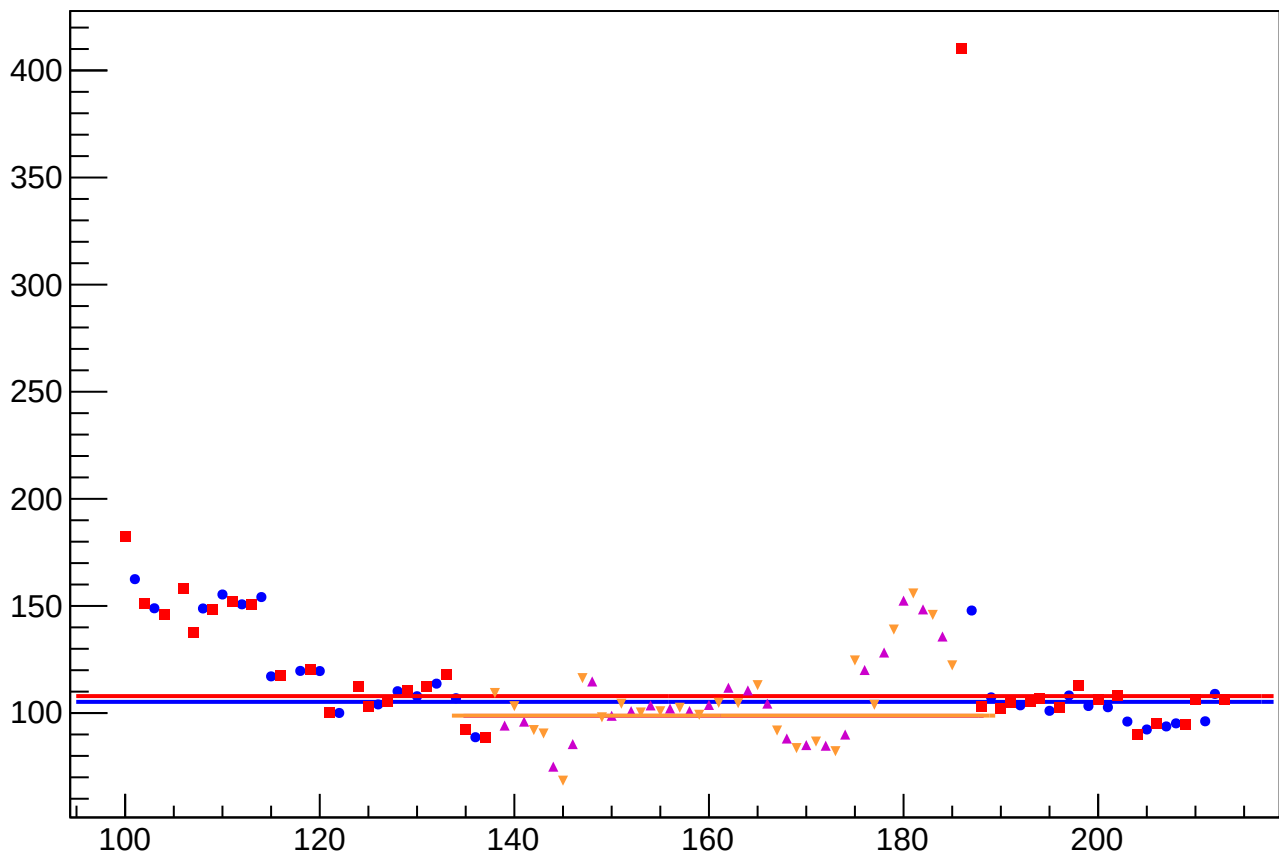
Left In: 19.805 ± 23.571 χ^2/NDF : 23.3/22

+ sign 20.236 ± 17.060 χ^2/NDF : 67.1/53

All: 12.906 ± 12.118 χ^2/NDF : 124.2/110

- sign -5.440 ± 17.217 χ^2/NDF : 56.7/56

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.223 $\pm$ 0.018 χ^2 /NDF: 774514.8/28

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF: 1185806.0/24

Right Out: 107.913 $\pm$ 0.018 χ^2 /NDF: 1175119.7/33

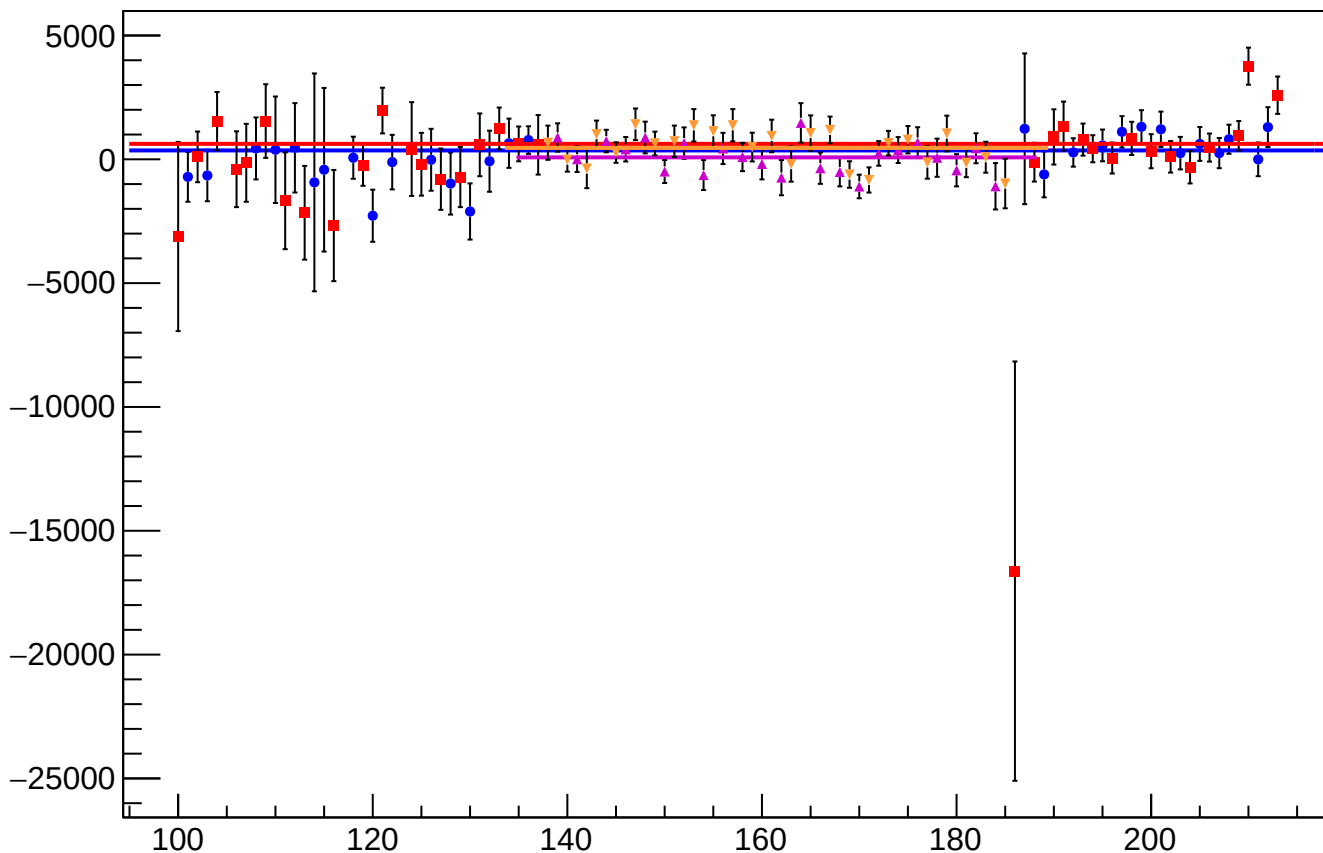
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF: 987817.0/22

+ sign 101.663 $\pm$ 0.012 χ^2 /NDF: 2030393.3/53

All: 102.317 $\pm$ 0.009 χ^2 /NDF: 4342634.3/110

- sign 102.983 $\pm$ 0.012 χ^2 /NDF: 2306303.9/56

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 358.704 ± 157.248 χ^2/NDF : 24.1/28

Left Out: 459.094 ± 118.111 χ^2/NDF : 30.8/24

Right Out: 624.615 ± 151.235 χ^2/NDF : 49.8/33

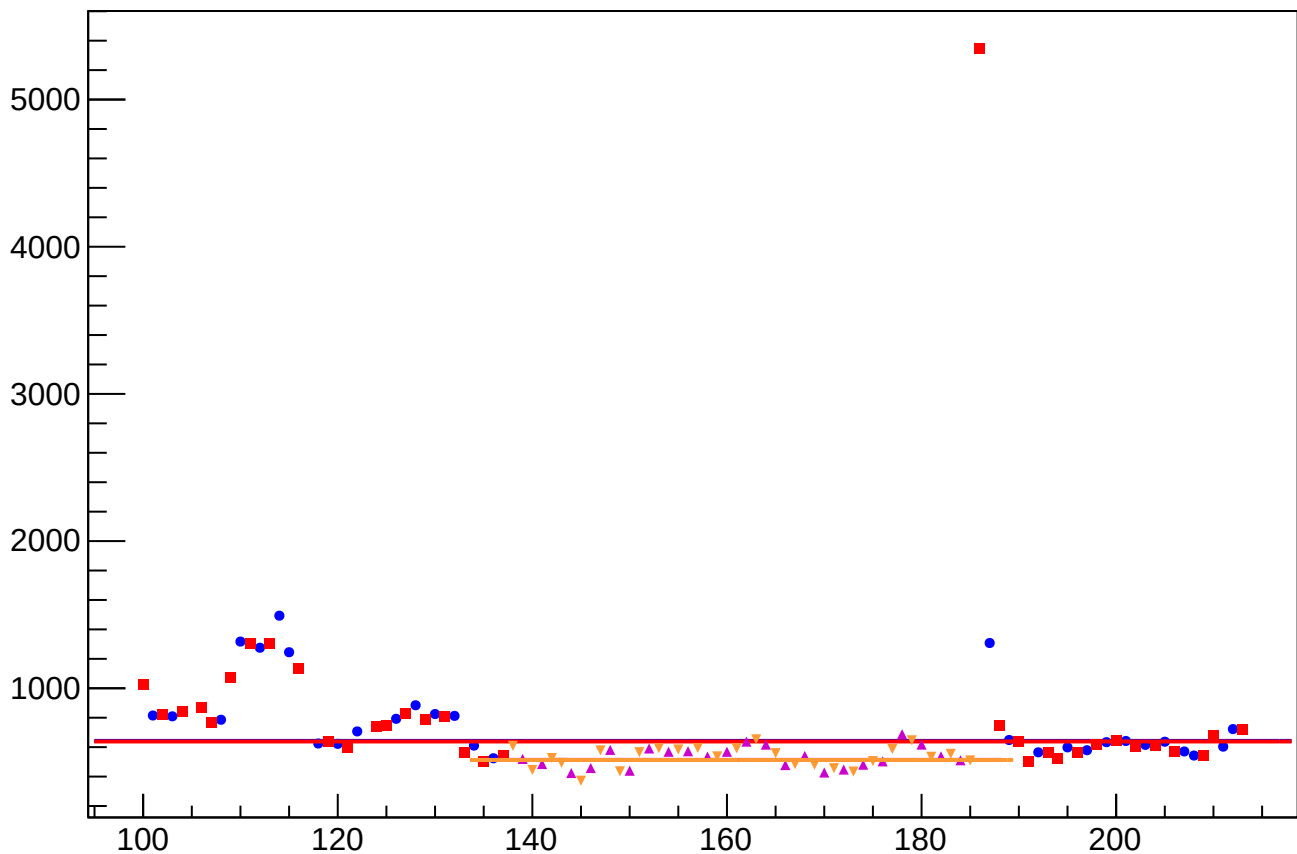
Left In: 78.791 ± 121.436 χ^2/NDF : 26.2/22

+ sign 422.885 ± 94.438 χ^2/NDF : 55.2/53

All: 357.993 ± 66.866 χ^2/NDF : 140.0/110

- sign 292.757 ± 94.689 χ^2/NDF : 83.9/56

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 642.425+/-0.111 χ^2/NDF : 1291702.8/28

Left Out: 512.768+/-0.084 χ^2/NDF : 799239.4/24

+ sign 559.533+/-0.067 χ^2/NDF : 2960225.6/53

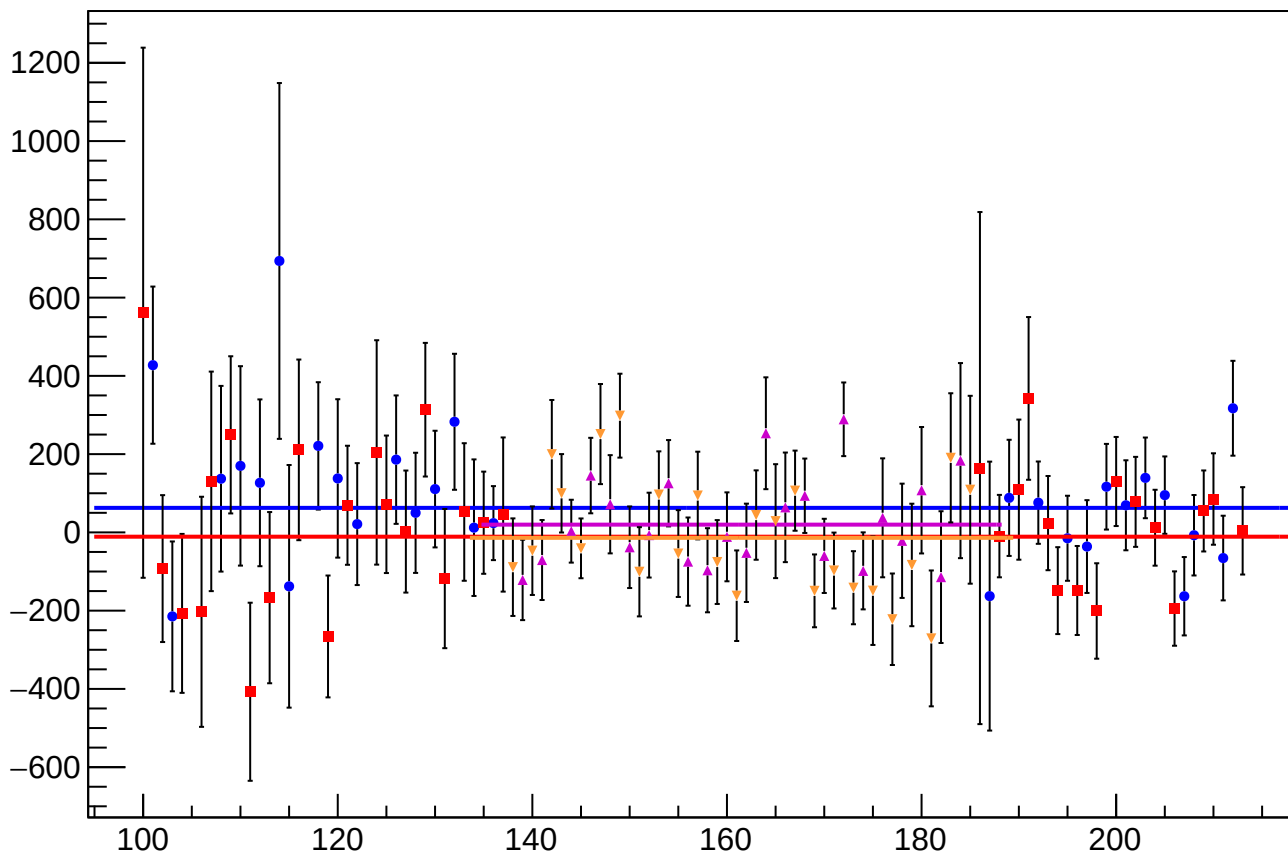
Right Out: 638.593+/-0.107 χ^2/NDF : 2157113.5/33

All: 560.993+/-0.047 χ^2/NDF : 6585899.0/110

Left In: 513.375+/-0.086 χ^2/NDF : 634000.2/22

- sign 562.461+/-0.067 χ^2/NDF : 3624715.0/56

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 62.679 ± 25.551 χ^2/NDF : 25.8/28

Left Out: -13.906 ± 22.916 χ^2/NDF : 36.4/24

Right Out: -10.990 ± 25.207 χ^2/NDF : 32.6/33

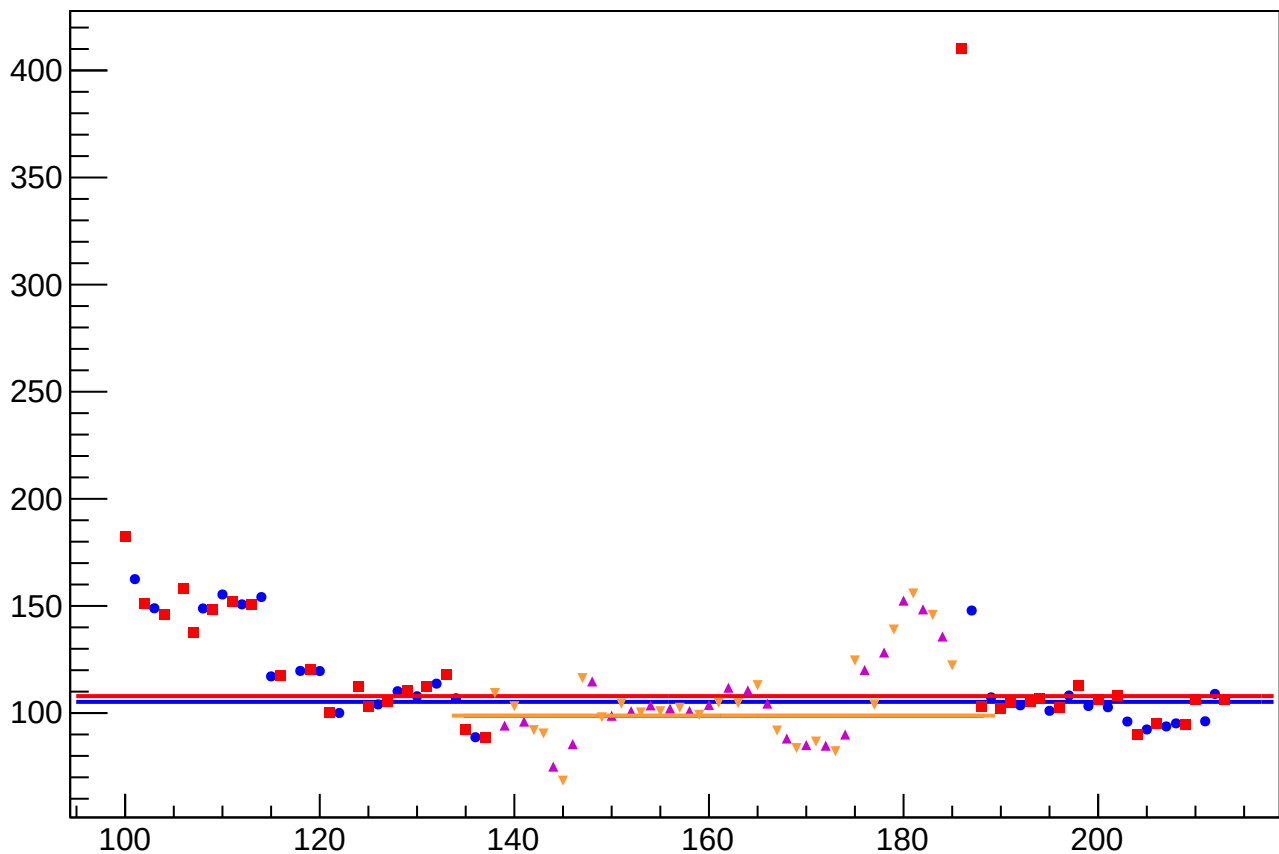
Left In: 19.805 ± 23.571 χ^2/NDF : 23.3/22

+ sign 20.235 ± 17.060 χ^2/NDF : 67.1/53

All: 12.905 ± 12.118 χ^2/NDF : 124.2/110

- sign -5.439 ± 17.217 χ^2/NDF : 56.7/56

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.223 $\pm$ 0.018 χ^2 /NDF: 774505.2/28

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF: 1185809.9/24

Right Out: 107.913 $\pm$ 0.018 χ^2 /NDF: 1175106.7/33

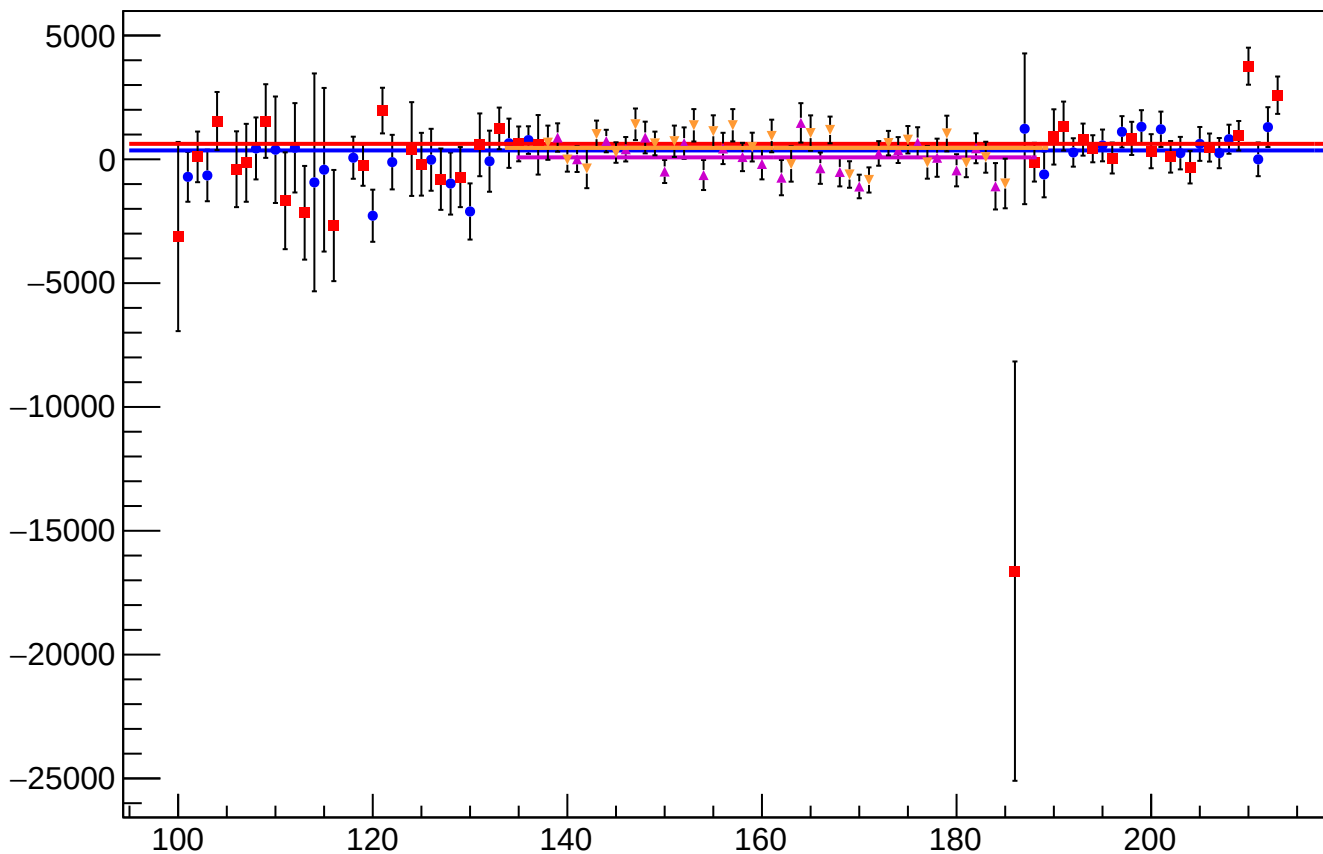
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF: 987808.4/22

+ sign 101.663 $\pm$ 0.012 χ^2 /NDF: 2030390.1/53

All: 102.317 $\pm$ 0.009 χ^2 /NDF: 4342612.8/110

- sign 102.983 $\pm$ 0.012 χ^2 /NDF: 2306285.2/56

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: 358.704 $\pm$ 157.248 χ^2 /NDF: 24.1/28

Left Out: 459.092 $\pm$ 118.111 χ^2 /NDF:30.8/24

Right Out: 624.613 $\pm$ 151.235 χ^2 /NDF: 49.8/33

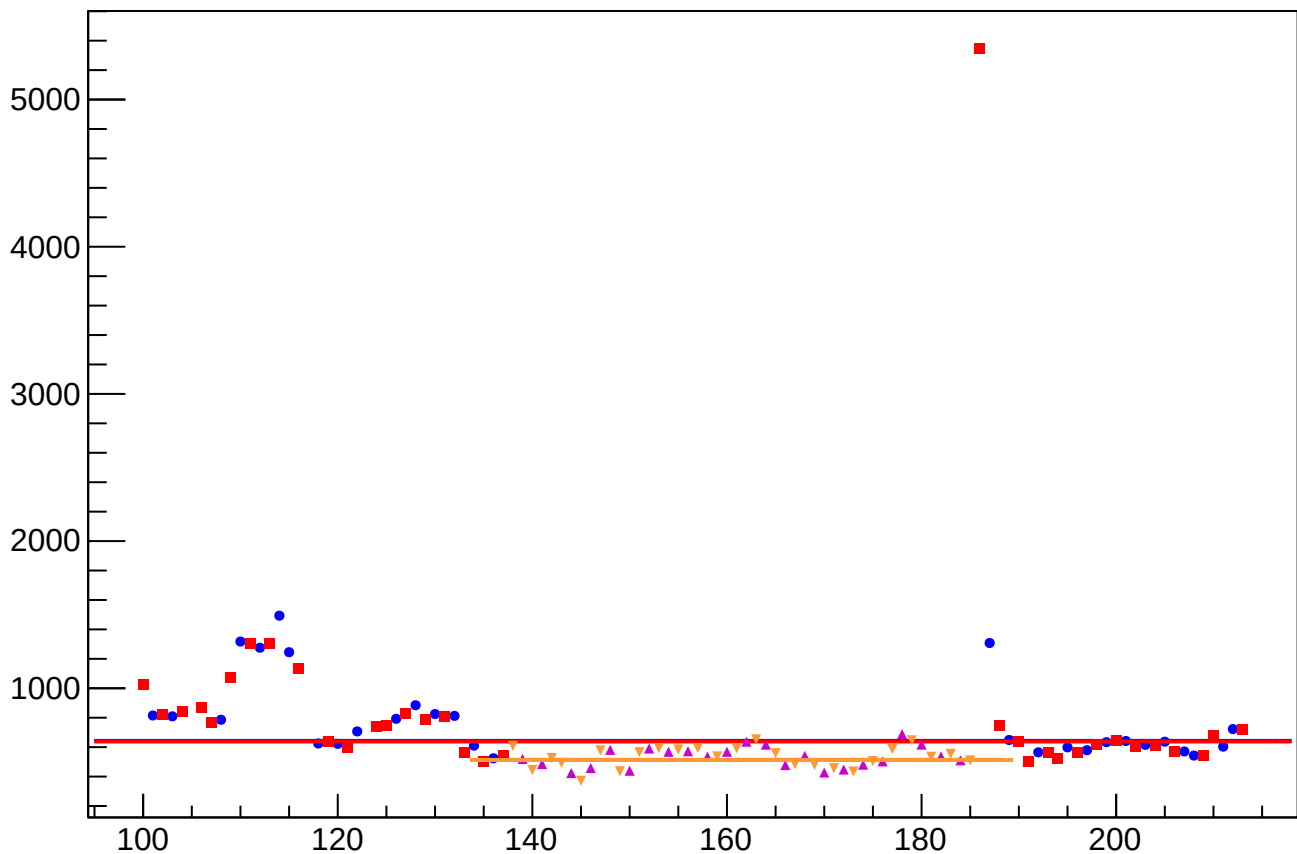
Left In: 78.791 $\pm$ 121.436 χ^2 /NDF:26.2/22

+ sign 422.884 $\pm$ 94.438 χ^2 /NDF: 55.2/53

All: 357.992 $\pm$ 66.866 χ^2 /NDF: 140.0/110

- sign 292.757 $\pm$ 94.689 χ^2 /NDF: 83.9/56

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 642.424 $\pm$ 0.111 χ^2 /NDF: 1291699.1/28

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.0/24

Right Out: 638.592 $\pm$ 0.107 χ^2 /NDF: 2157109.9/33

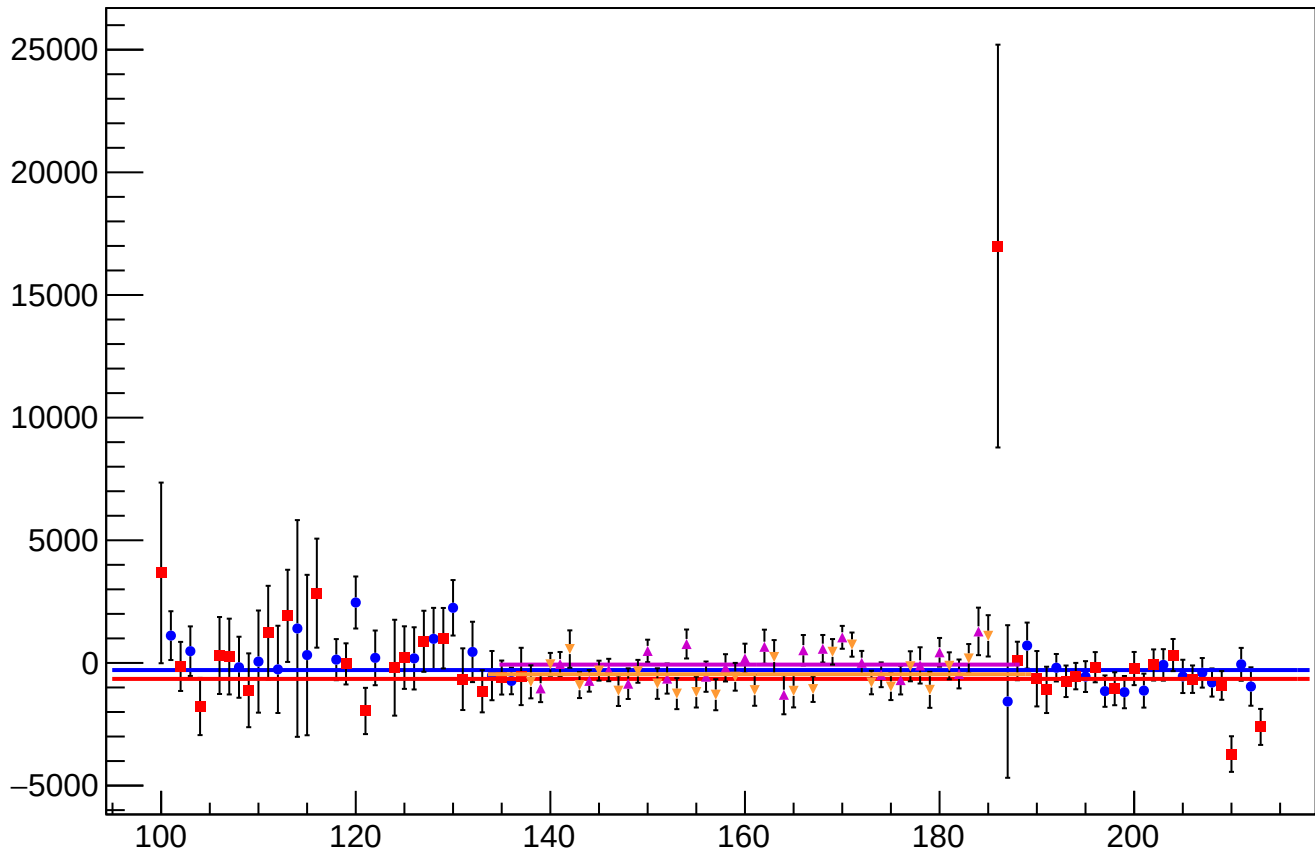
Left In: 513.374 $\pm$ 0.086 χ^2 /NDF: 633997.9/22

+ sign 559.533 $\pm$ 0.067 χ^2 /NDF: 2960216.6/53

All: 560.993 $\pm$ 0.047 χ^2 /NDF: 6585873.3/110

- sign 562.460 $\pm$ 0.067 χ^2 /NDF: 3624698.5/56

asym_sam_26_48_dd_mean vs Slug



Right In: -290.043 ± 155.096 χ^2/NDF : 25.8/28

Left Out: -459.862 ± 114.233 χ^2/NDF : 30.8/24

Right Out: -651.419 ± 149.904 χ^2/NDF : 50.6/33

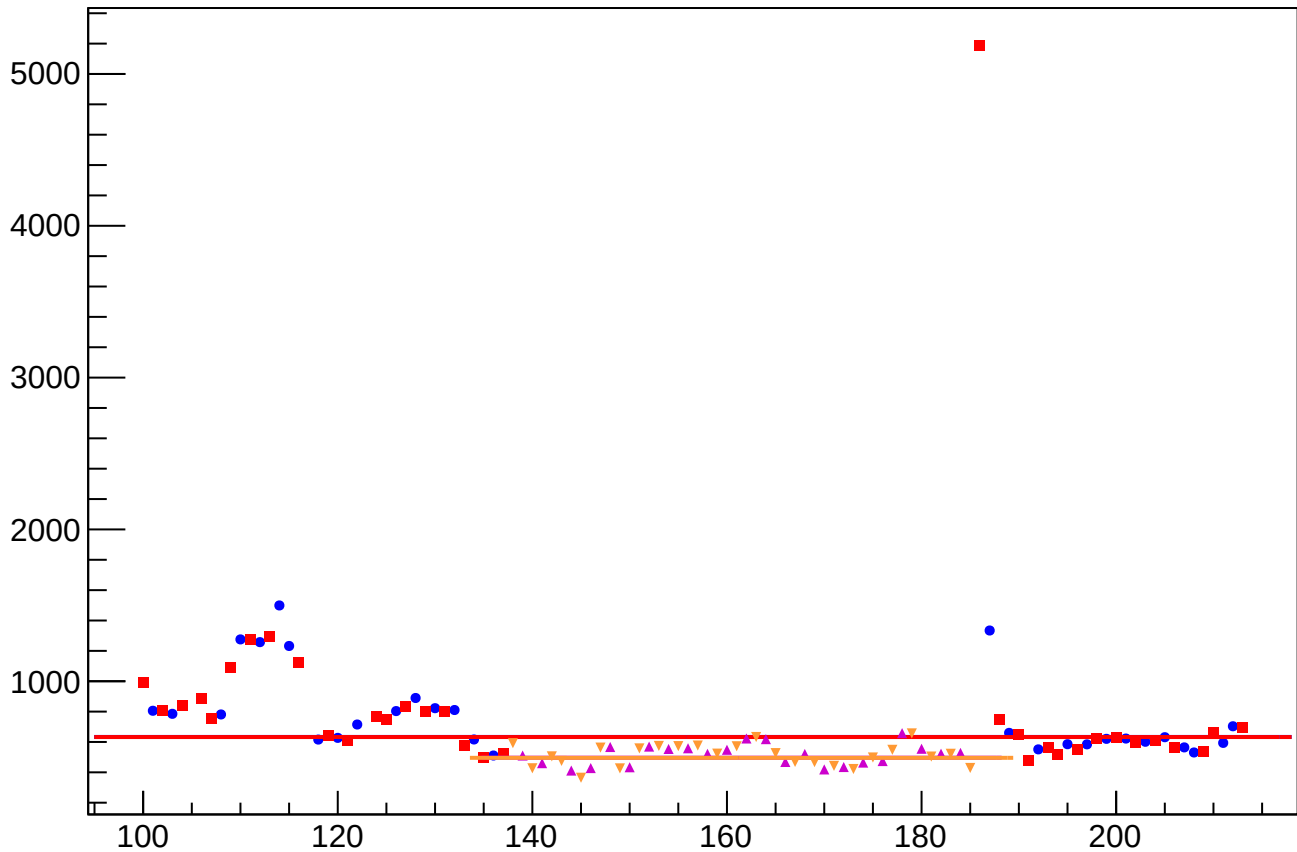
Left In: -68.043 ± 117.366 χ^2/NDF : 28.6/22

+ sign -400.139 ± 91.978 χ^2/NDF : 57.5/53

All: -345.202 ± 65.191 χ^2/NDF : 146.8/110

- sign -289.747 ± 92.411 χ^2/NDF : 88.6/56

asym_sam_26_48_dd_rms vs Slug



Right In: 633.075+/-0.110 χ^2/NDF : 1333151.2/28

Left Out: 495.514+/-0.081 χ^2/NDF : 804659.4/24

Right Out: 632.401+/-0.106 χ^2/NDF : 2201705.6/33

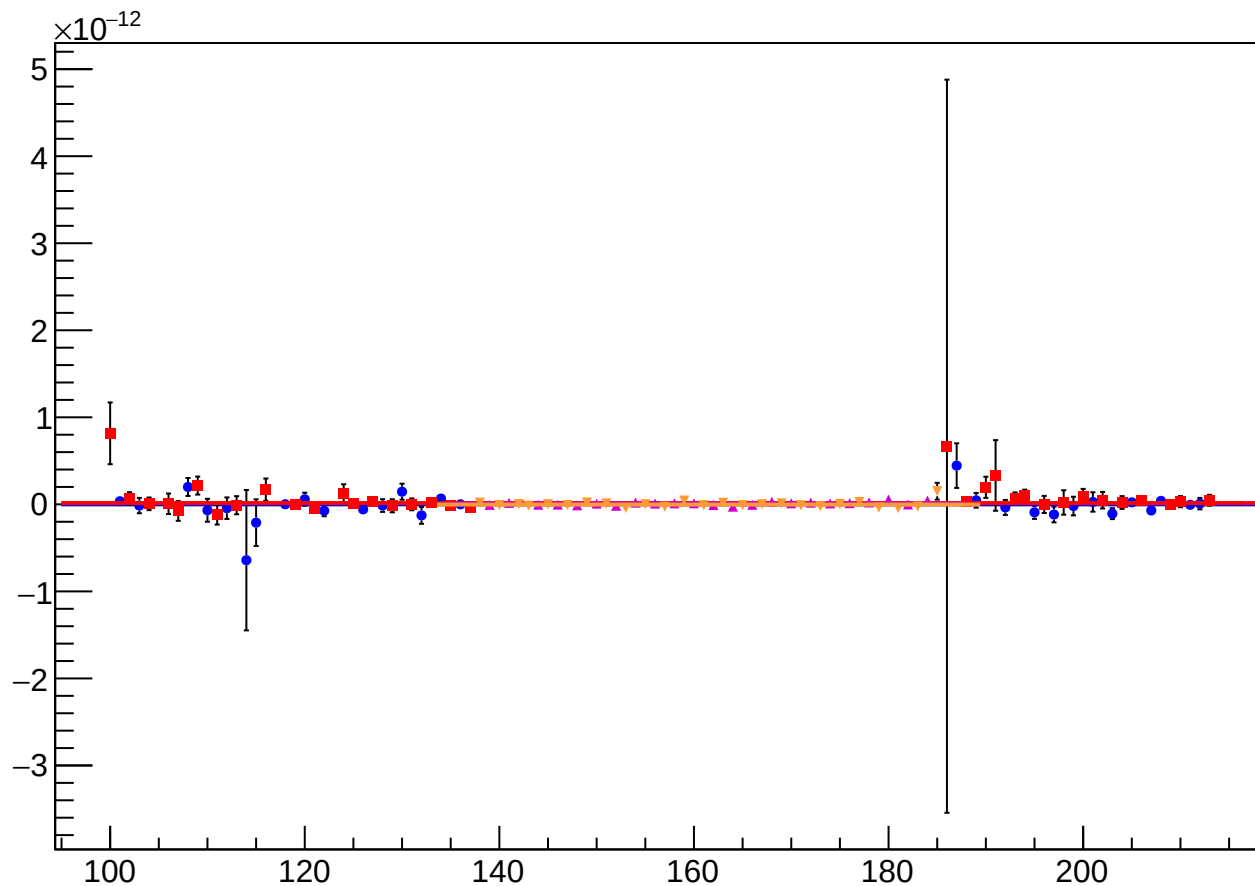
Left In: 496.307+/-0.083 χ^2/NDF : 622356.2/22

+ sign 543.893+/-0.065 χ^2/NDF : 3157804.9/53

All: 545.951+/-0.046 χ^2/NDF : 7005861.6/110

- sign 548.028+/-0.065 χ^2/NDF : 3846045.2/56

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/33

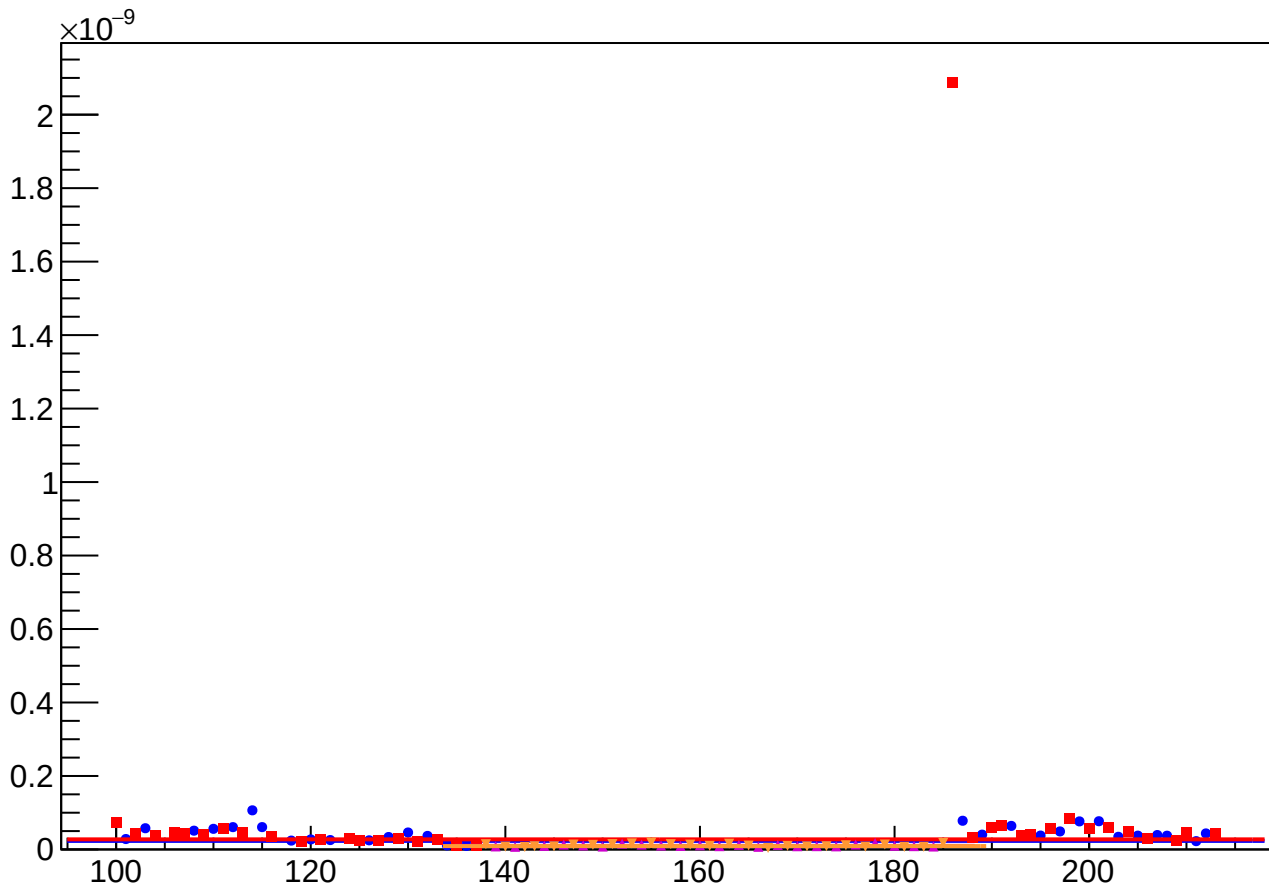
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 55.0/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 102.3/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/56

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5416665.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4397795.7/33

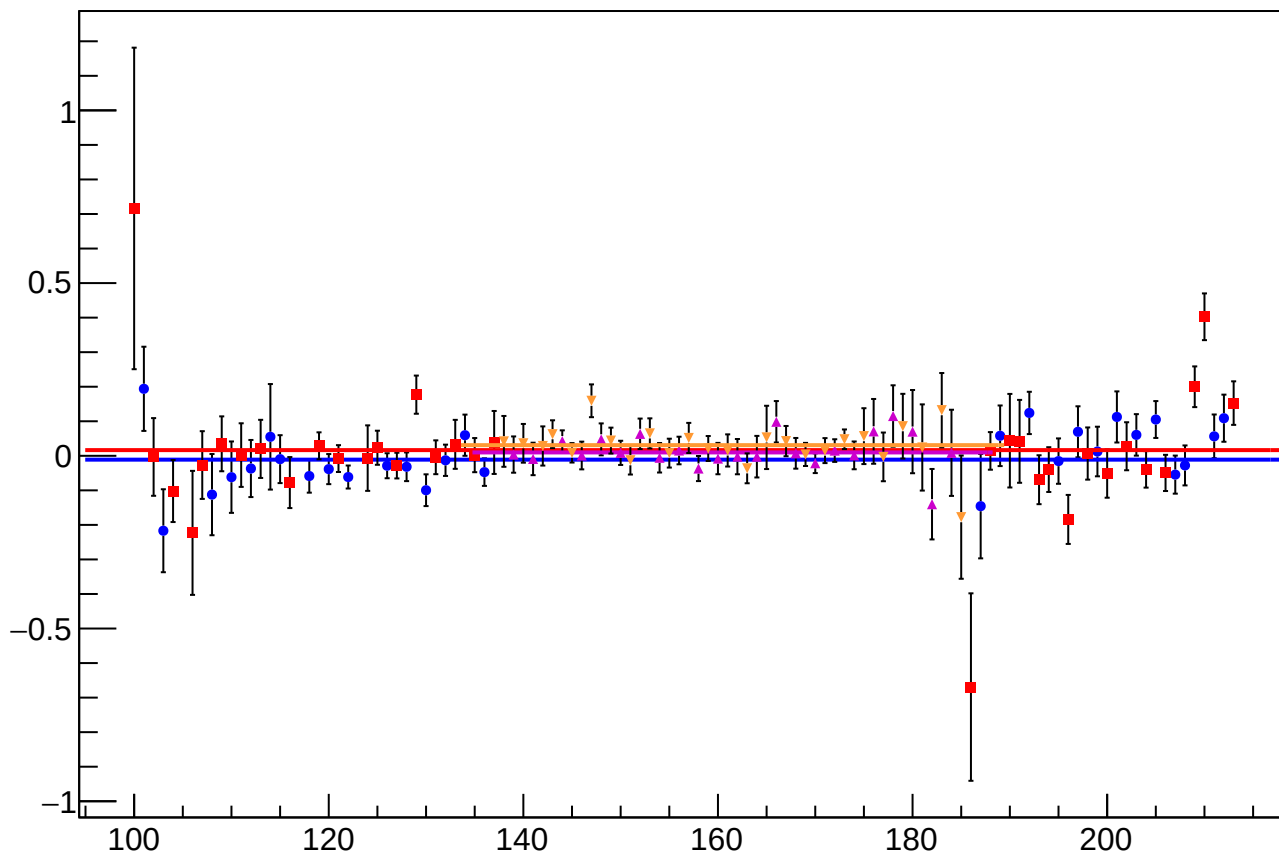
Left In: 0.000+/-0.000 χ^2/NDF : 622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 10898133.5/53

All: 0.000+/-0.000 χ^2/NDF : 20929333.2/110

- sign 0.000+/-0.000 χ^2/NDF : 9960220.7/56

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.011 χ^2/NDF : 38.6/28

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.016 ± 0.011 χ^2/NDF : 85.8/33

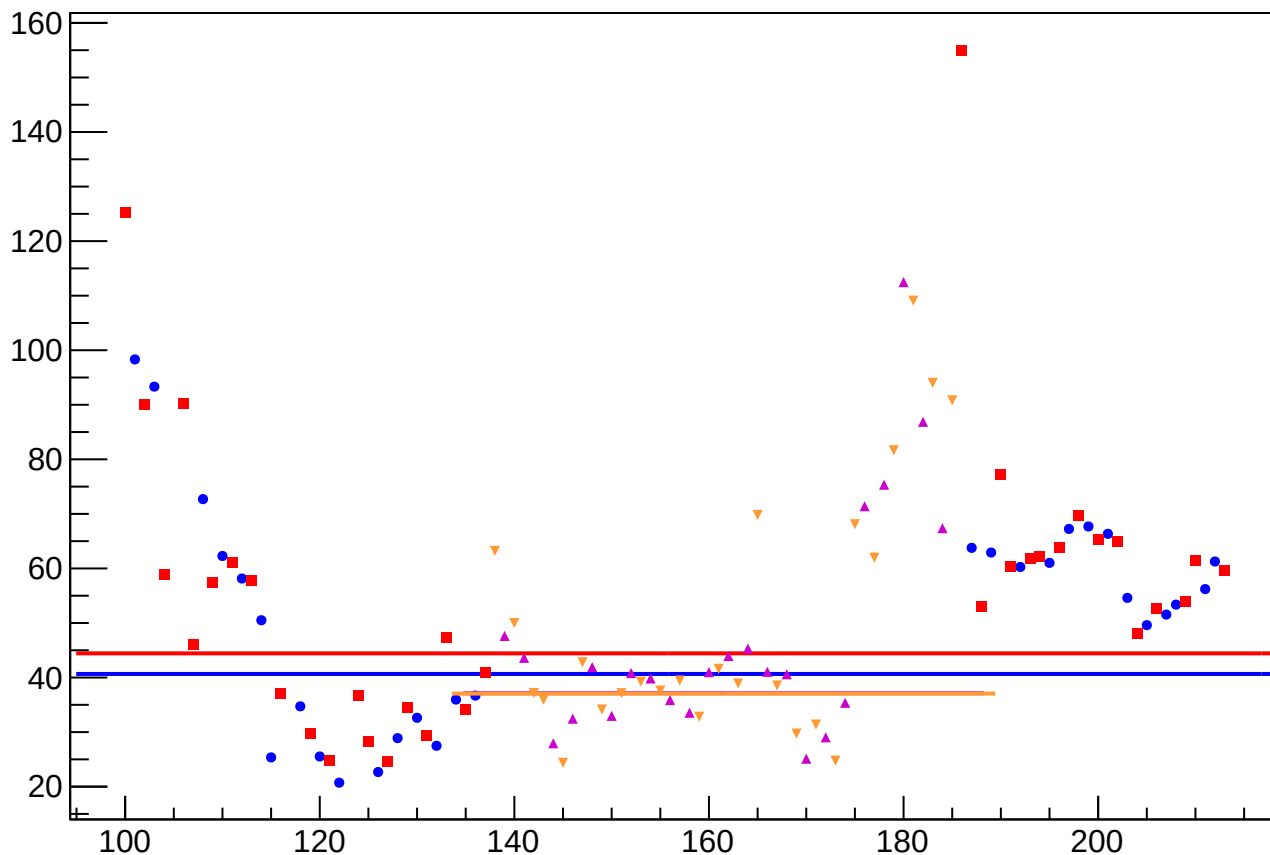
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.013 ± 0.007 χ^2/NDF : 65.3/53

All: 0.013 ± 0.005 χ^2/NDF : 164.6/110

- sign 0.013 ± 0.007 χ^2/NDF : 99.3/56

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.657 $\pm$ 0.008 χ^2 /NDF: 5166468.5/28

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 44.434 $\pm$ 0.008 χ^2 /NDF: 4586466.5/33

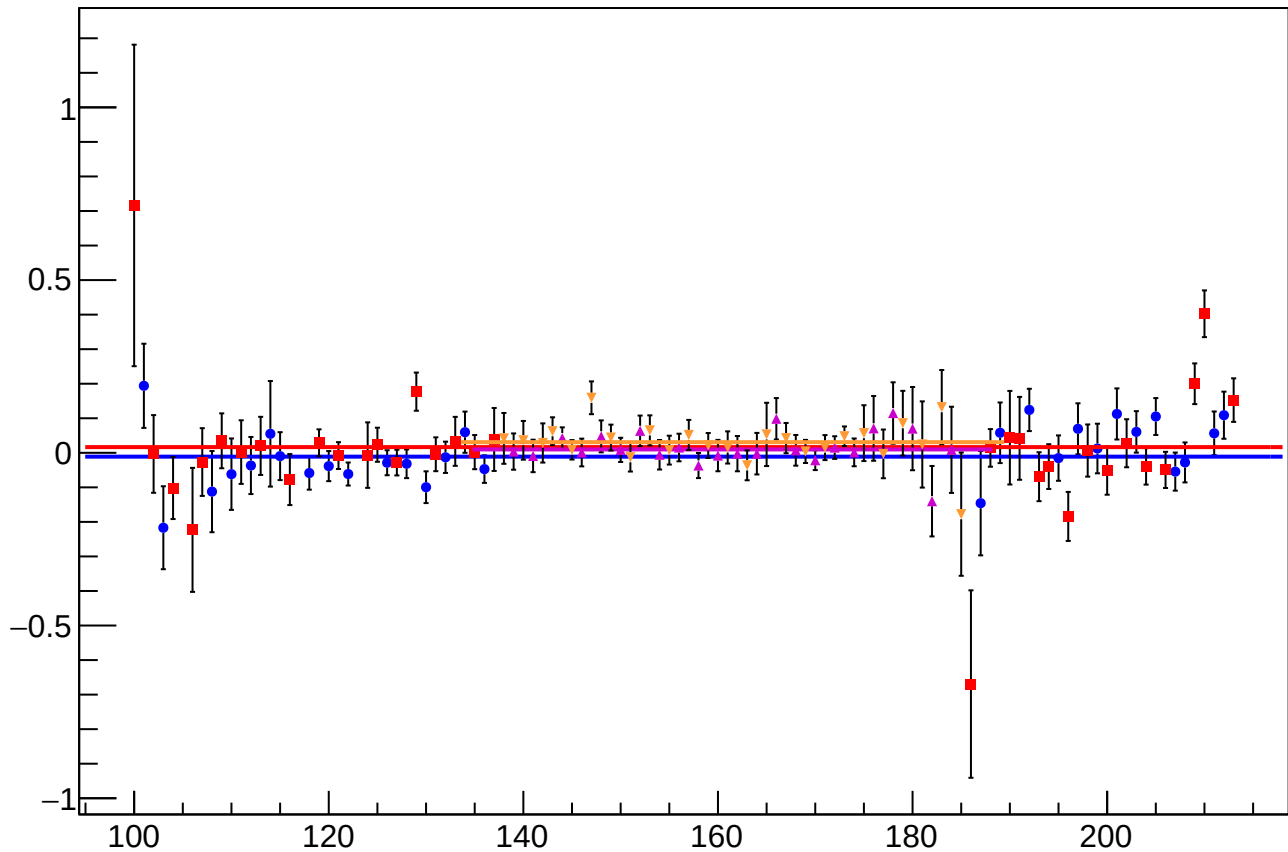
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 38.572 $\pm$ 0.005 χ^2 /NDF: 9351144.4/53

All: 39.352 $\pm$ 0.004 χ^2 /NDF: 17509882.7/110

- sign 40.179 $\pm$ 0.005 χ^2 /NDF: 8106791.7/56

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.011 χ^2/NDF : 38.6/28

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.016 ± 0.011 χ^2/NDF : 85.8/33

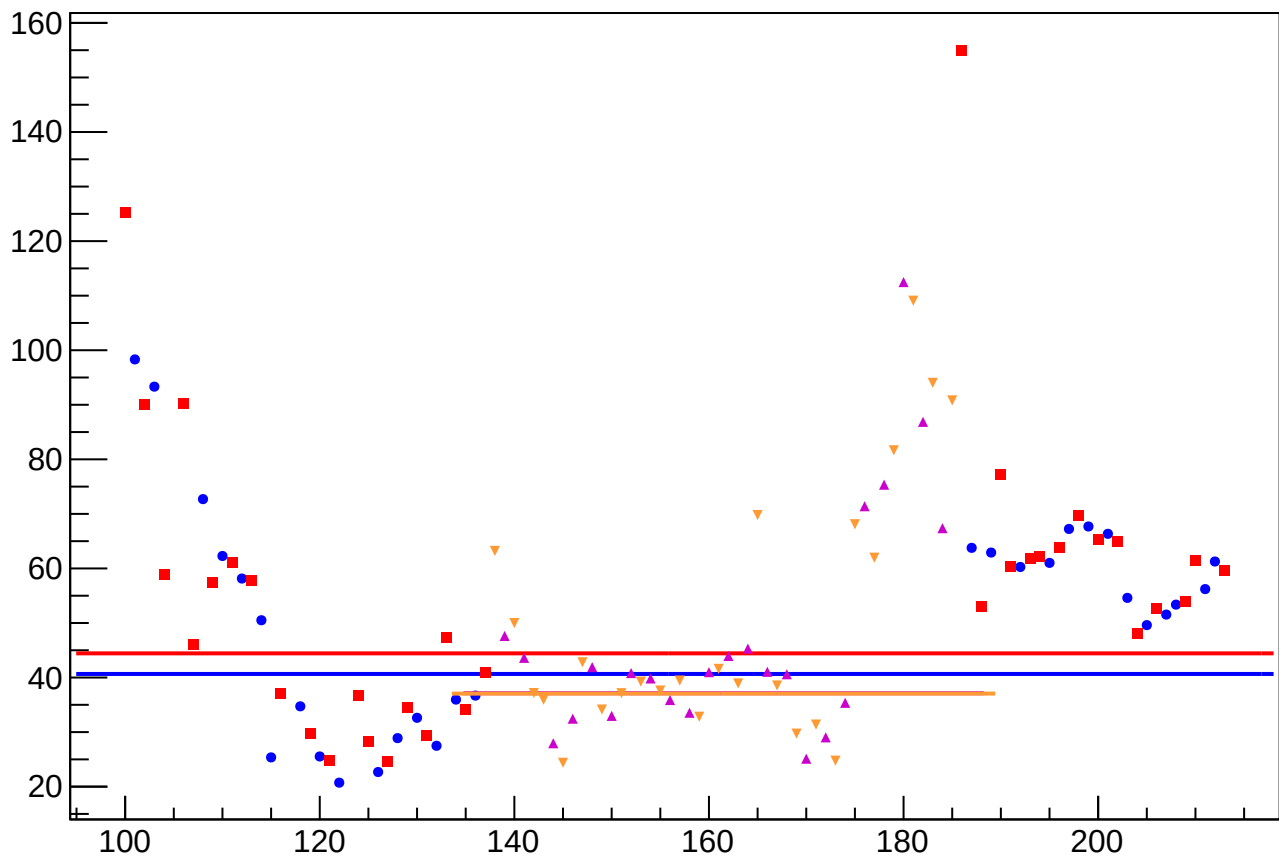
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.013 ± 0.007 χ^2/NDF : 65.3/53

All: 0.013 ± 0.005 χ^2/NDF : 164.6/110

- sign 0.013 ± 0.007 χ^2/NDF : 99.3/56

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.657 $\pm$ 0.008 χ^2 /NDF: 5166468.5/28

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 44.434 $\pm$ 0.008 χ^2 /NDF: 4586466.5/33

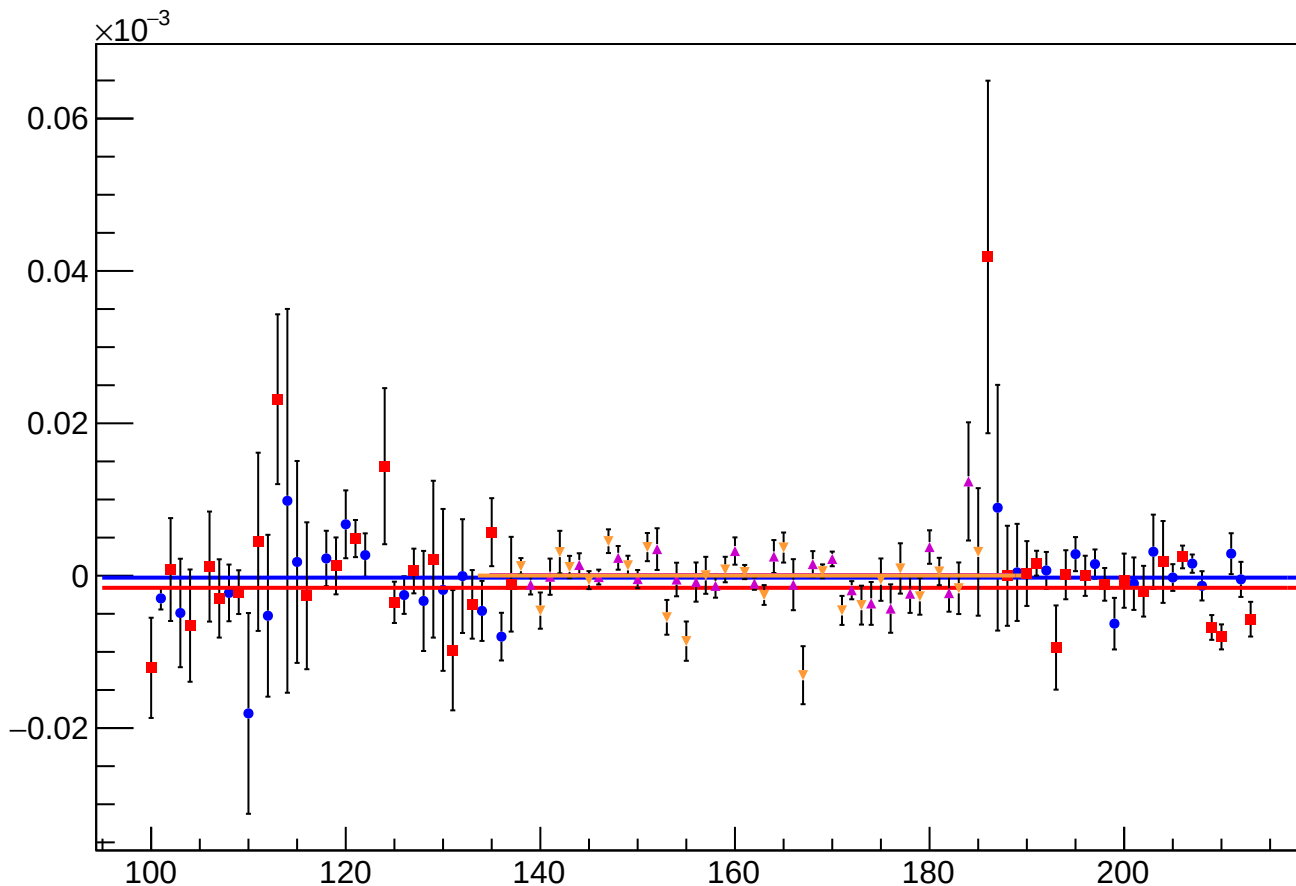
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 38.572 $\pm$ 0.005 χ^2 /NDF: 9351144.4/53

All: 39.352 $\pm$ 0.004 χ^2 /NDF: 17509882.7/110

- sign 40.179 $\pm$ 0.005 χ^2 /NDF: 8106791.7/56

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 71.0/33

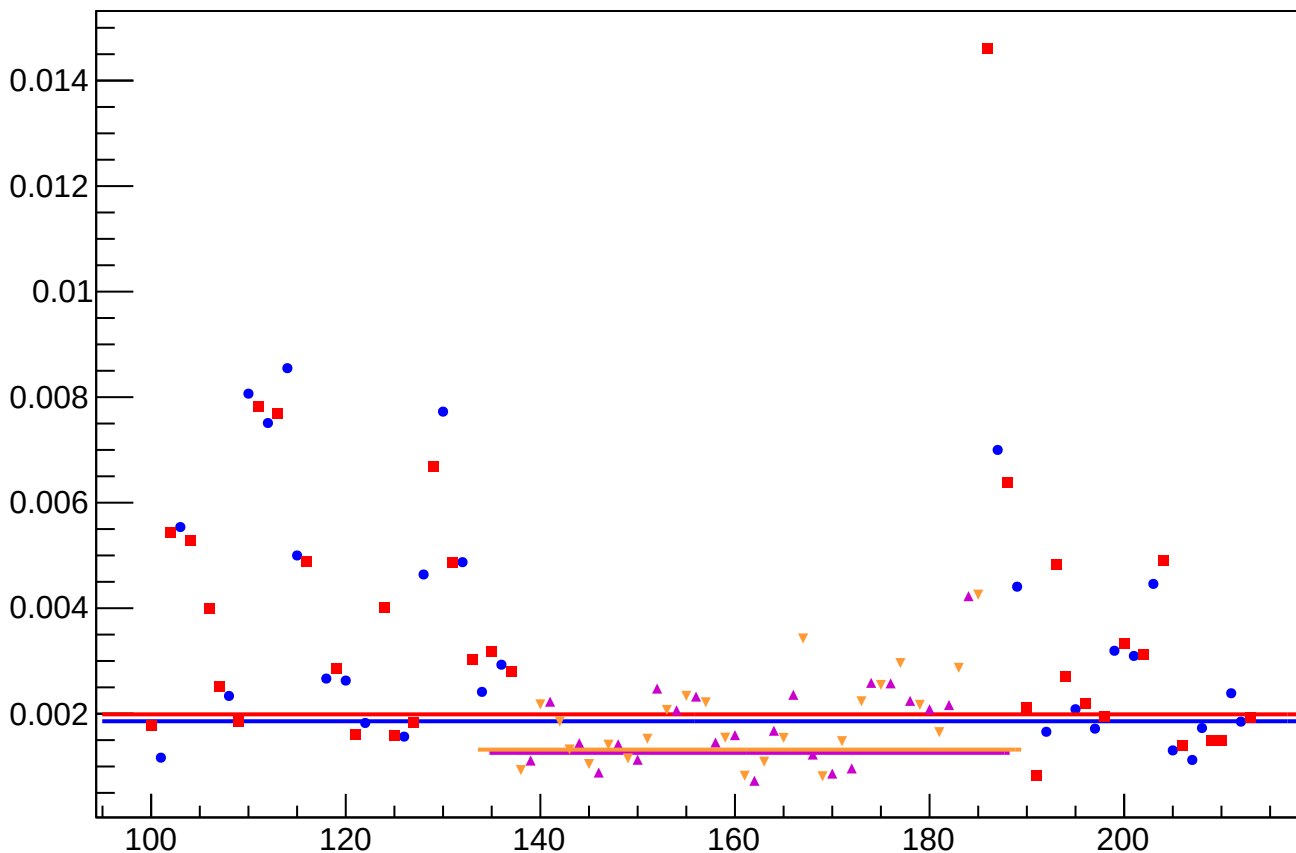
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 97.7/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 208.6/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 110.3/56

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6774854.3/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5632532.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8502465.1/33

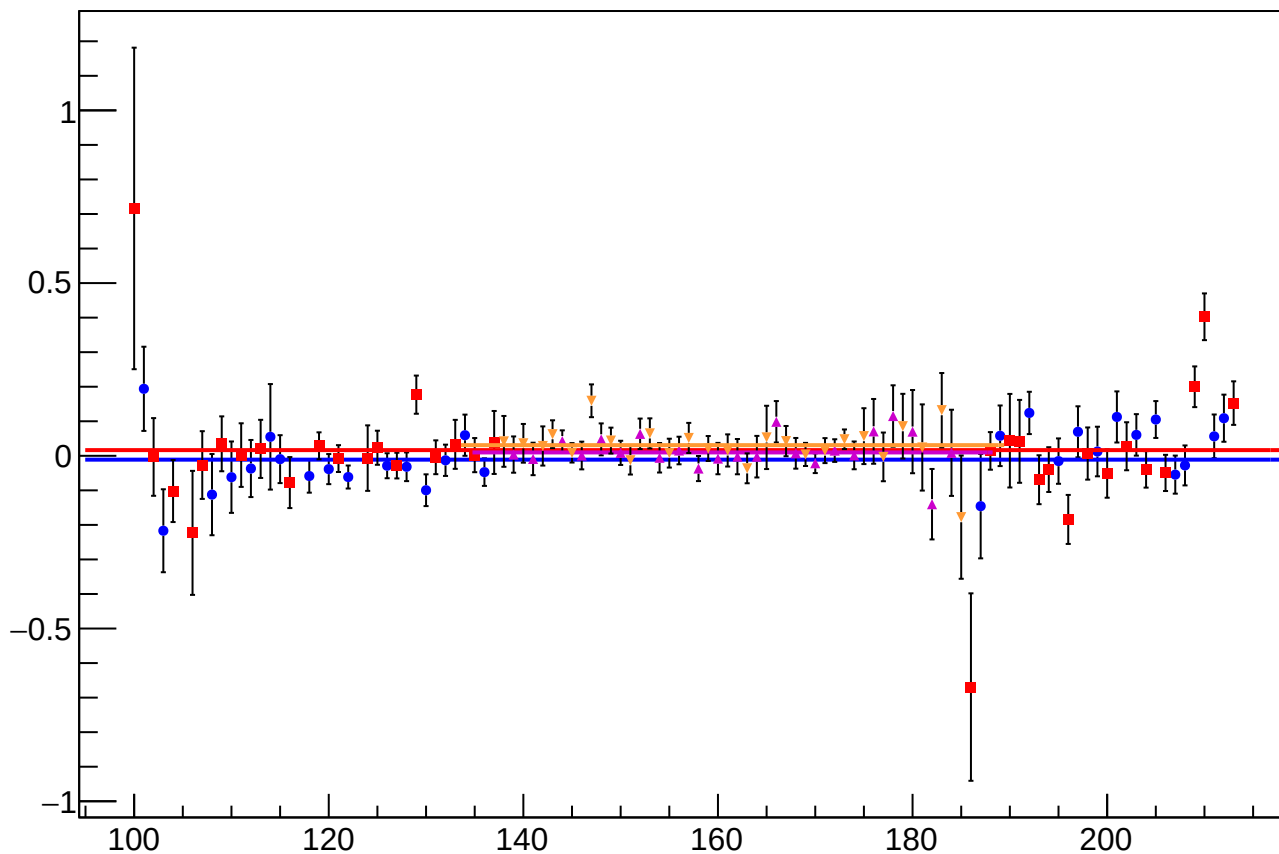
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:5369001.1/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13930426.7/53

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 30494687.3/110

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 16559715.1/56

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011 ± 0.011 χ^2/NDF : 38.6/28

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.016 ± 0.011 χ^2/NDF : 85.8/33

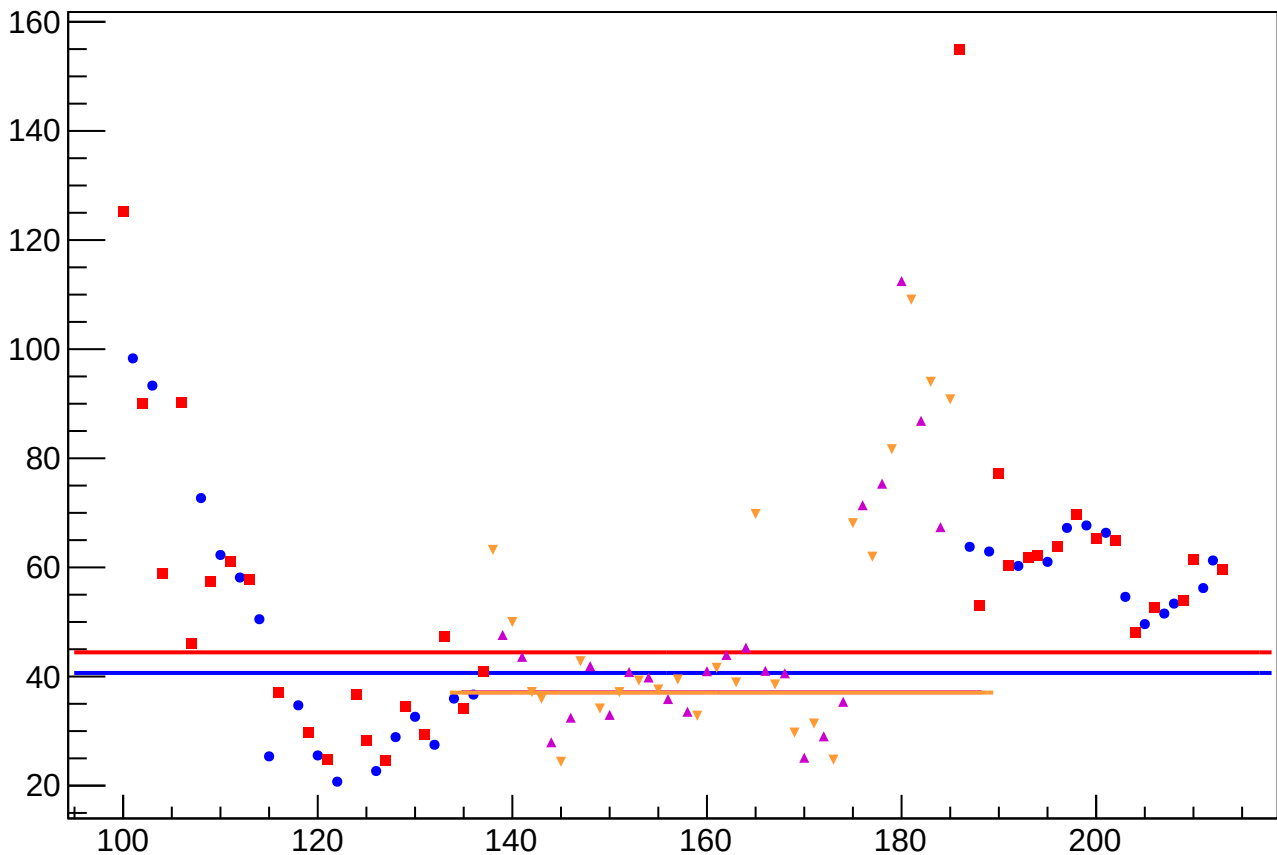
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.013 ± 0.007 χ^2/NDF : 65.3/53

All: 0.013 ± 0.005 χ^2/NDF : 164.6/110

- sign 0.013 ± 0.007 χ^2/NDF : 99.3/56

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.657 $\pm$ 0.008 χ^2/NDF : 5166344.4/28

Left Out: 37.057 $\pm$ 0.006 χ^2/NDF : 4053728.9/24

Right Out: 44.435 $\pm$ 0.008 χ^2/NDF : 4586248.4/33

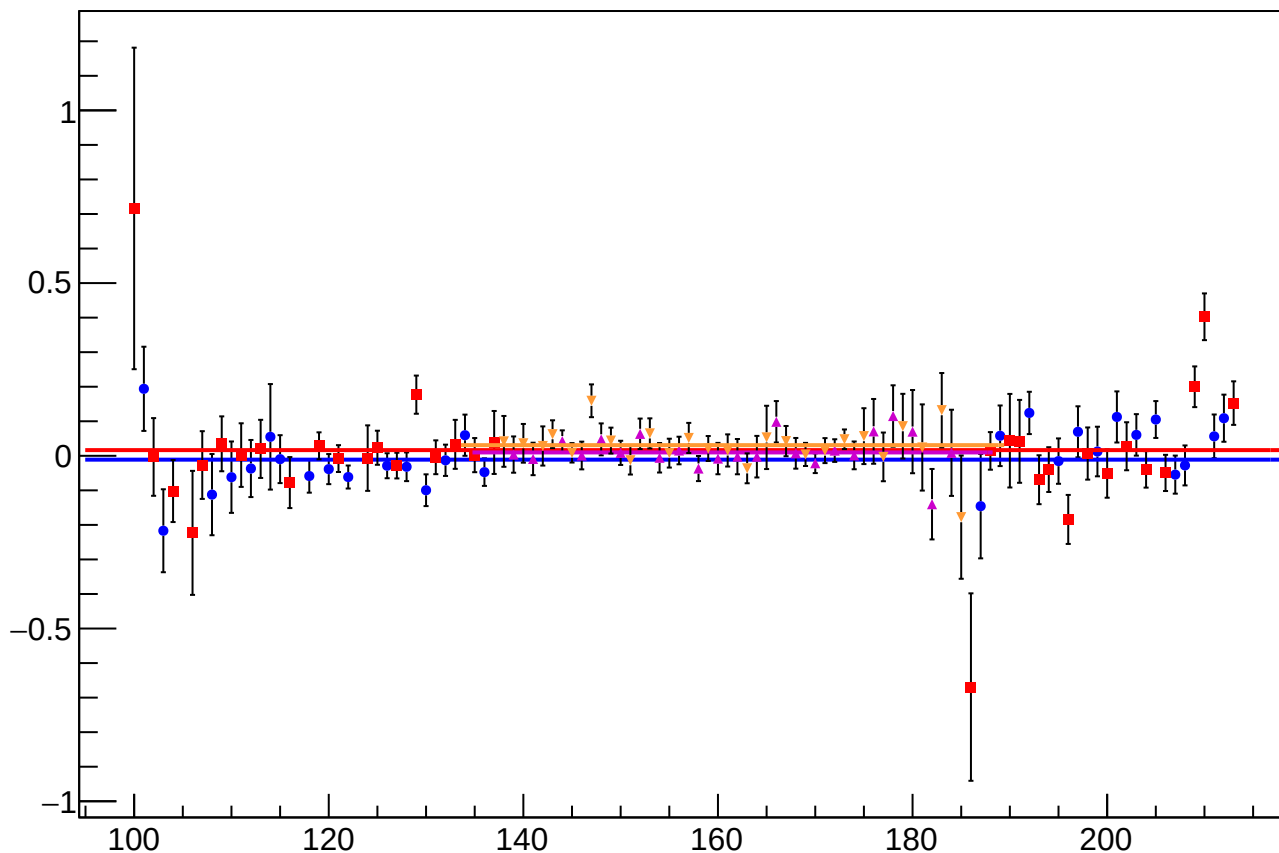
Left In: 37.127 $\pm$ 0.007 χ^2/NDF : 3012767.1/22

+ sign 38.573 $\pm$ 0.005 χ^2/NDF : 9351054.4/53

All: 39.352 $\pm$ 0.004 χ^2/NDF : 17509606.2/110

- sign 40.179 $\pm$ 0.005 χ^2/NDF : 8106605.0/56

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011 ± 0.011 χ^2/NDF : 38.6/28

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.016 ± 0.011 χ^2/NDF : 85.8/33

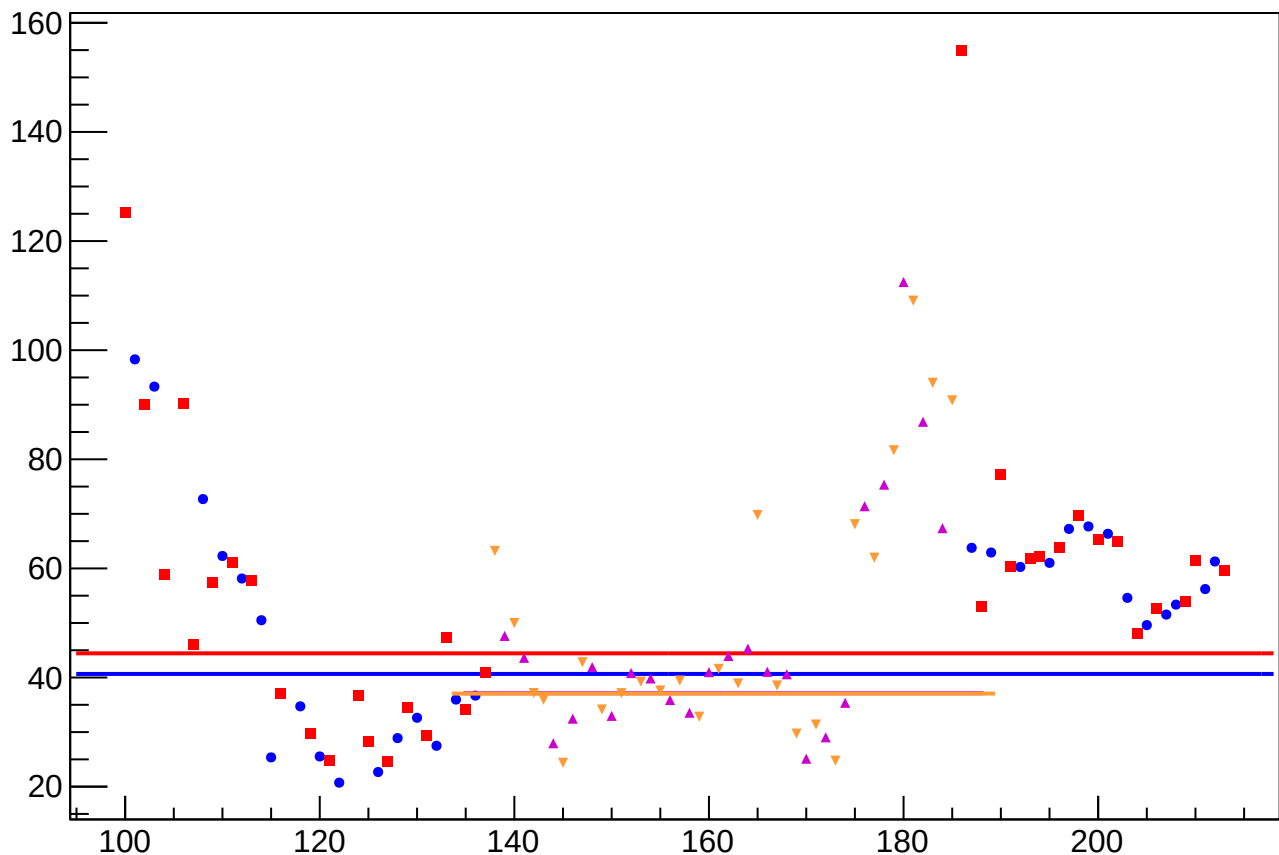
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.013 ± 0.007 χ^2/NDF : 65.3/53

All: 0.013 ± 0.005 χ^2/NDF : 164.6/110

- sign 0.013 ± 0.007 χ^2/NDF : 99.3/56

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.657 $\pm$ 0.008 χ^2 /NDF: 5166344.4/28

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 44.435 $\pm$ 0.008 χ^2 /NDF: 4586248.4/33

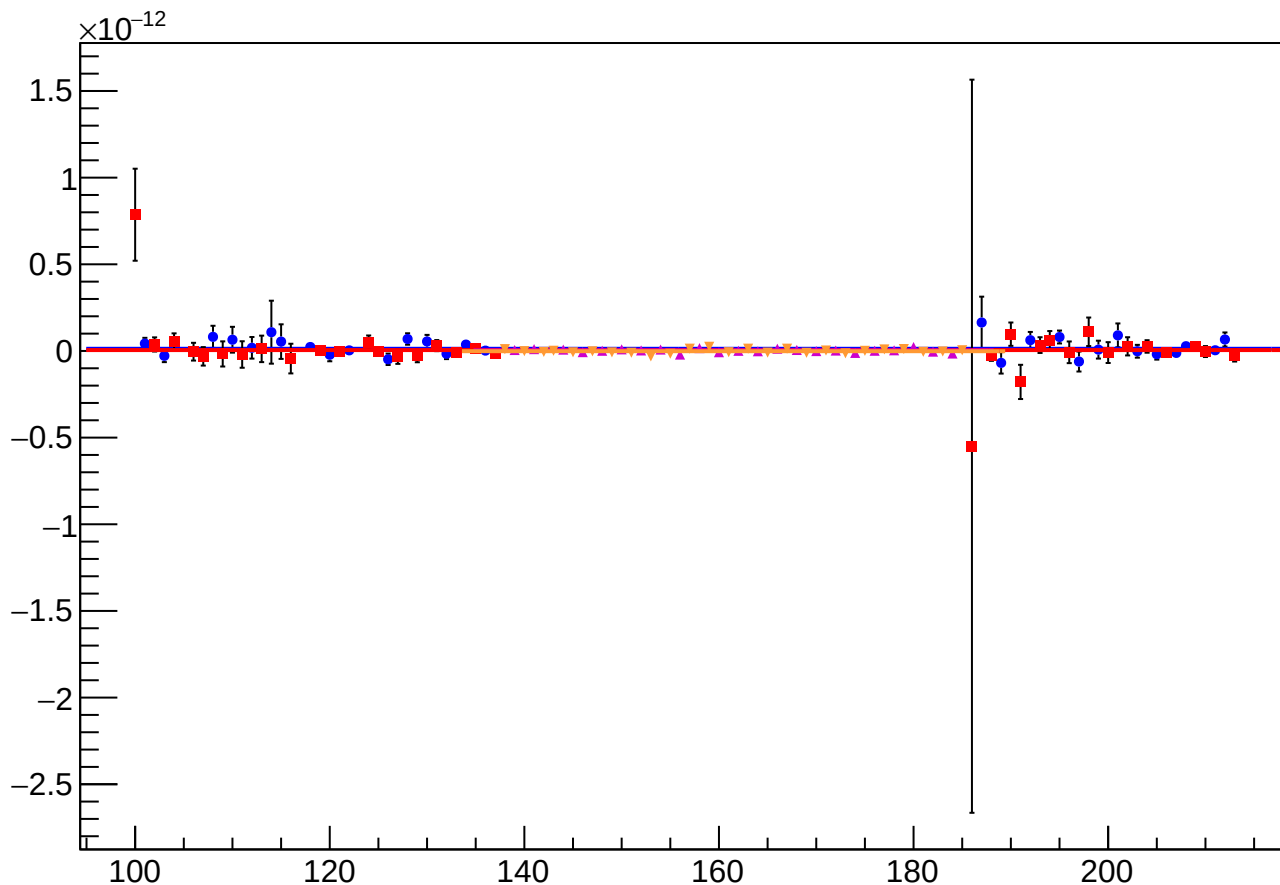
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 38.573 $\pm$ 0.005 χ^2 /NDF: 9351054.4/53

All: 39.352 $\pm$ 0.004 χ^2 /NDF: 17509606.2/110

- sign 40.179 $\pm$ 0.005 χ^2 /NDF: 8106605.0/56

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF : 26.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29.4/33

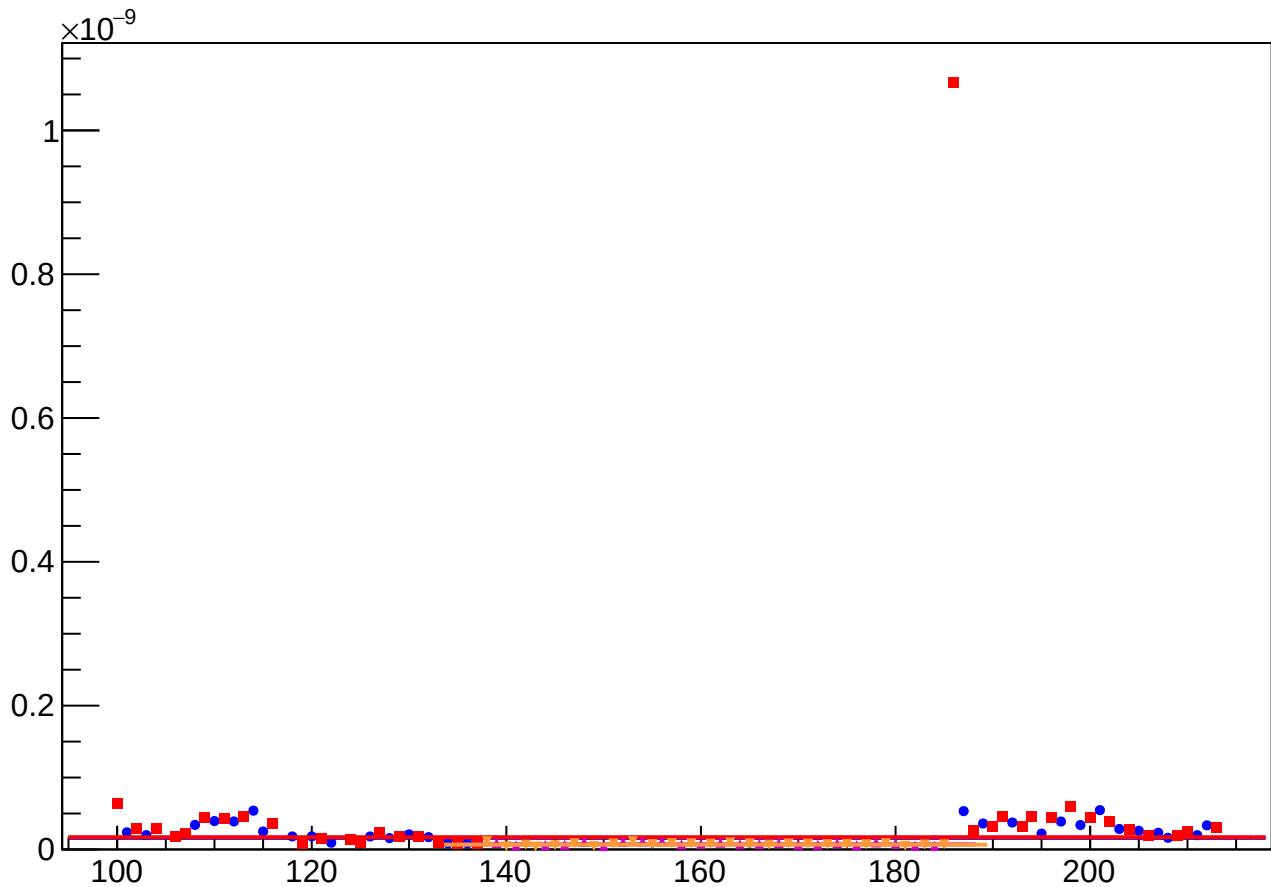
Left In: 0.000+/-0.000 χ^2/NDF : 20.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 62.9/53

All: 0.000+/-0.000 χ^2/NDF : 114.5/110

- sign 0.000+/-0.000 χ^2/NDF : 50.1/56

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5701775.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7663163.0/33

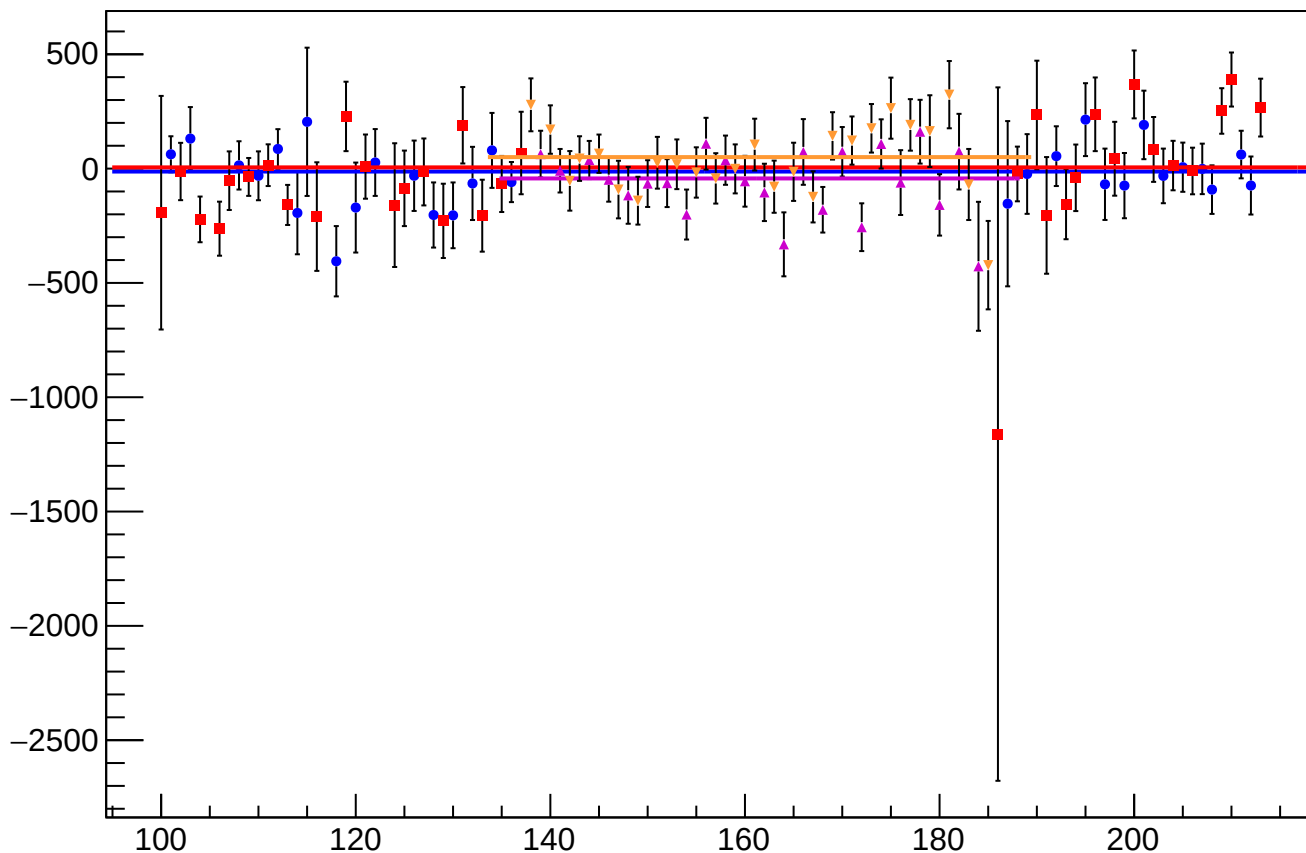
Left In: 0.000+/-0.000 χ^2/NDF : 1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 13036574.2/53

All: 0.000+/-0.000 χ^2/NDF : 27717705.8/110

- sign 0.000+/-0.000 χ^2/NDF : 14594995.3/56

reg_asym_sam_1548_avg_mean vs Slug



Right In: -12.852 ± 23.702 $\chi^2/\text{NDF}: 22.3/28$

Left Out: 50.314 ± 22.958 $\chi^2/\text{NDF}: 33.5/24$

Right Out: 5.379 ± 22.956 $\chi^2/\text{NDF}: 56.6/33$

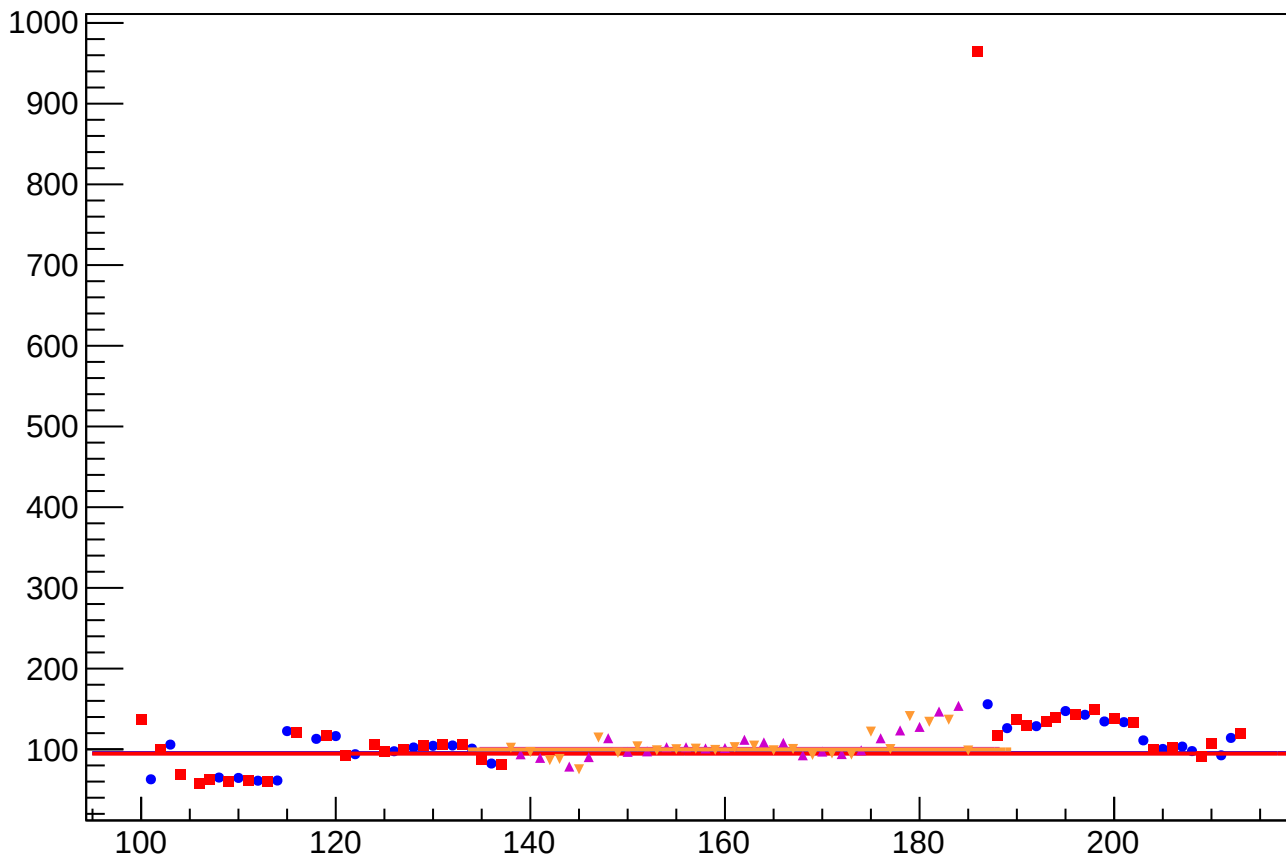
Left In: -43.026 ± 23.758 $\chi^2/\text{NDF}: 26.6/22$

+ sign 19.738 ± 16.490 $\chi^2/\text{NDF}: 59.4/53$

All: 0.894 ± 11.667 $\chi^2/\text{NDF}: 147.4/110$

- sign -17.993 ± 16.509 $\chi^2/\text{NDF}: 85.4/56$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 95.278 $\pm$ 0.017 χ^2 /NDF: 2221139.1/28

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.7/24

Right Out: 94.644 $\pm$ 0.016 χ^2 /NDF: 3538042.9/33

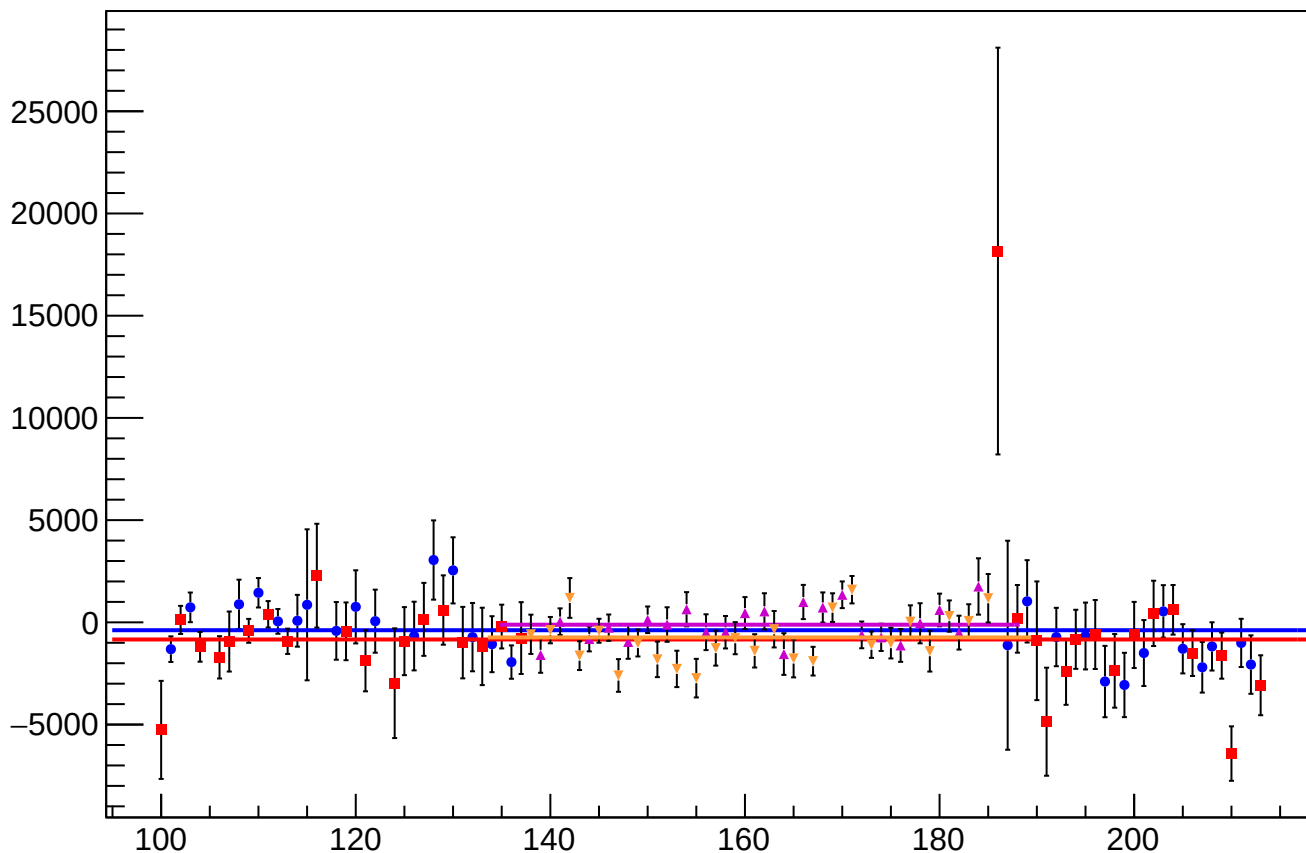
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 97.631 $\pm$ 0.012 χ^2 /NDF: 2957118.1/53

All: 97.551 $\pm$ 0.008 χ^2 /NDF: 7214895.2/110

- sign 97.471 $\pm$ 0.012 χ^2 /NDF: 4257682.4/56

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -385.031 $\pm$ 216.777 χ^2 /NDF: 35.2/28

Left Out: -738.364 $\pm$ 156.311 χ^2 /NDF: 49.7/24

Right Out: -837.739 $\pm$ 204.927 χ^2 /NDF: 45.5/33

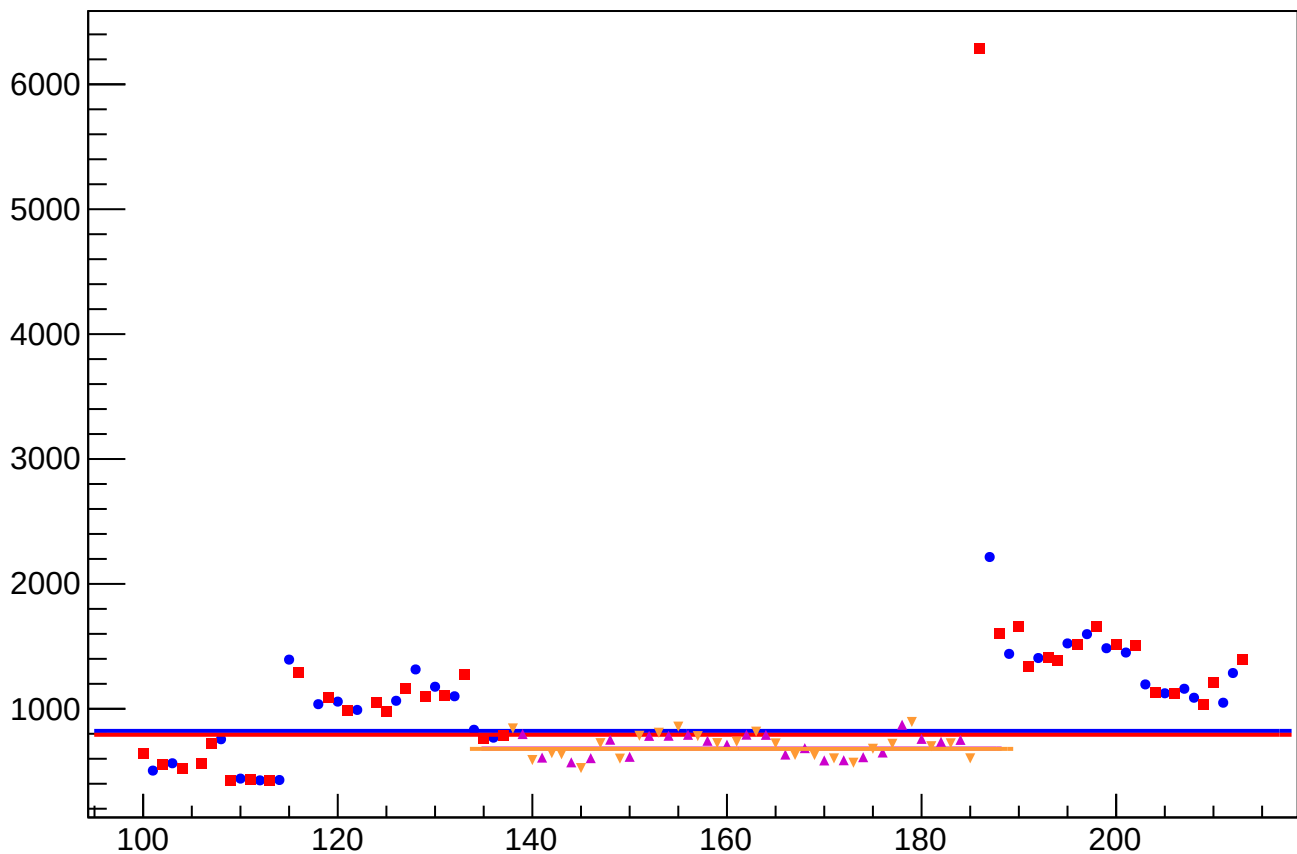
Left In: -115.639 $\pm$ 160.990 χ^2 /NDF: 23.7/22

+ sign -617.496 $\pm$ 126.787 χ^2 /NDF: 86.6/53

All: -504.185 $\pm$ 89.585 χ^2 /NDF: 165.1/110

- sign -391.216 $\pm$ 126.597 χ^2 /NDF: 76.9/56

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 823.108 $\pm$ 0.153 χ^2 /NDF: 5787872.4/28

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737419.7/24

Right Out: 792.123 $\pm$ 0.145 χ^2 /NDF: 7904076.7/33

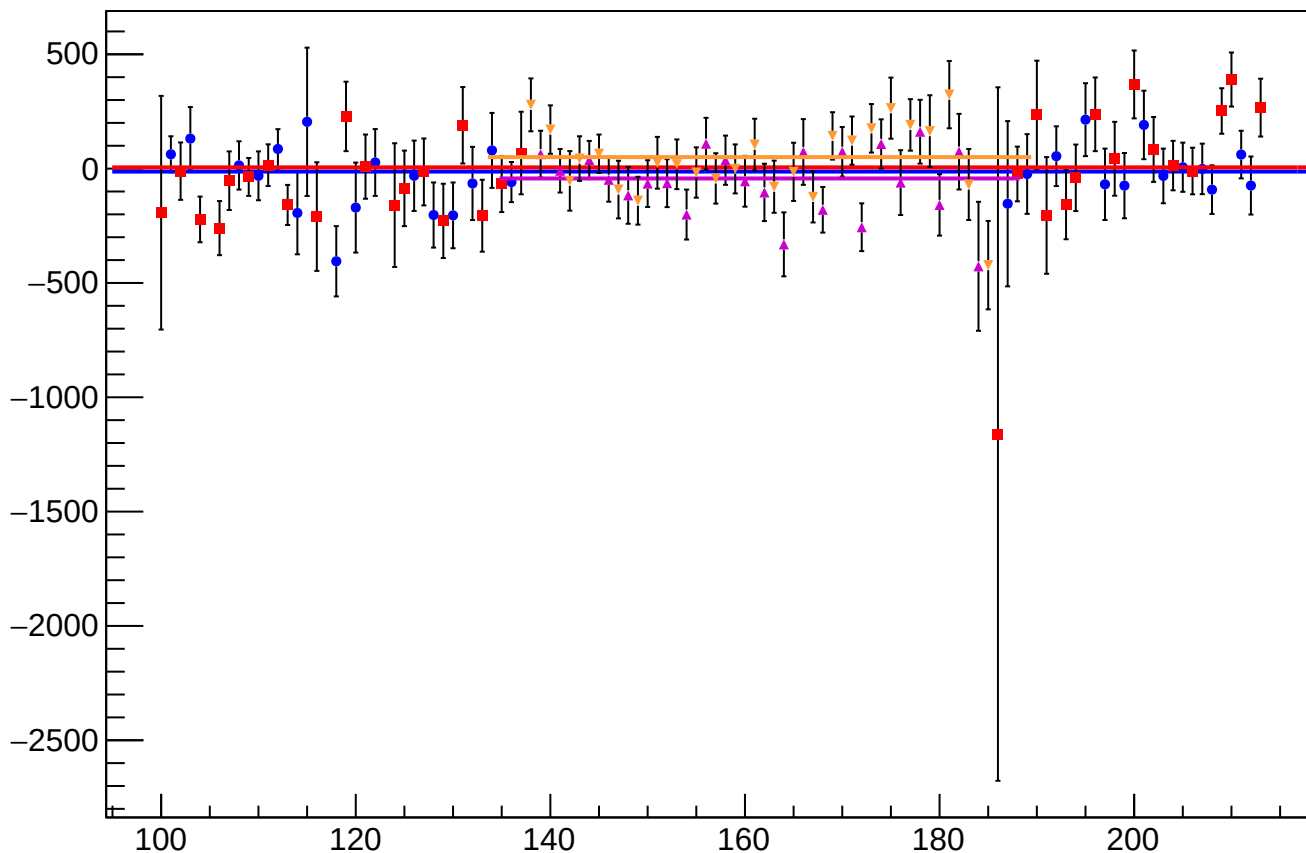
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573812.4/22

+ sign 728.393 $\pm$ 0.090 χ^2 /NDF: 7105616.7/53

All: 726.173 $\pm$ 0.063 χ^2 /NDF: 15942560.6/1

- sign 723.961 $\pm$ 0.090 χ^2 /NDF: 8835720.1/56

cor_asym_sam_1548_avg_mean vs Slug



Right In: -12.854 ± 23.702 χ^2/NDF : 22.3/28

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: 5.536 ± 22.957 χ^2/NDF : 56.5/33

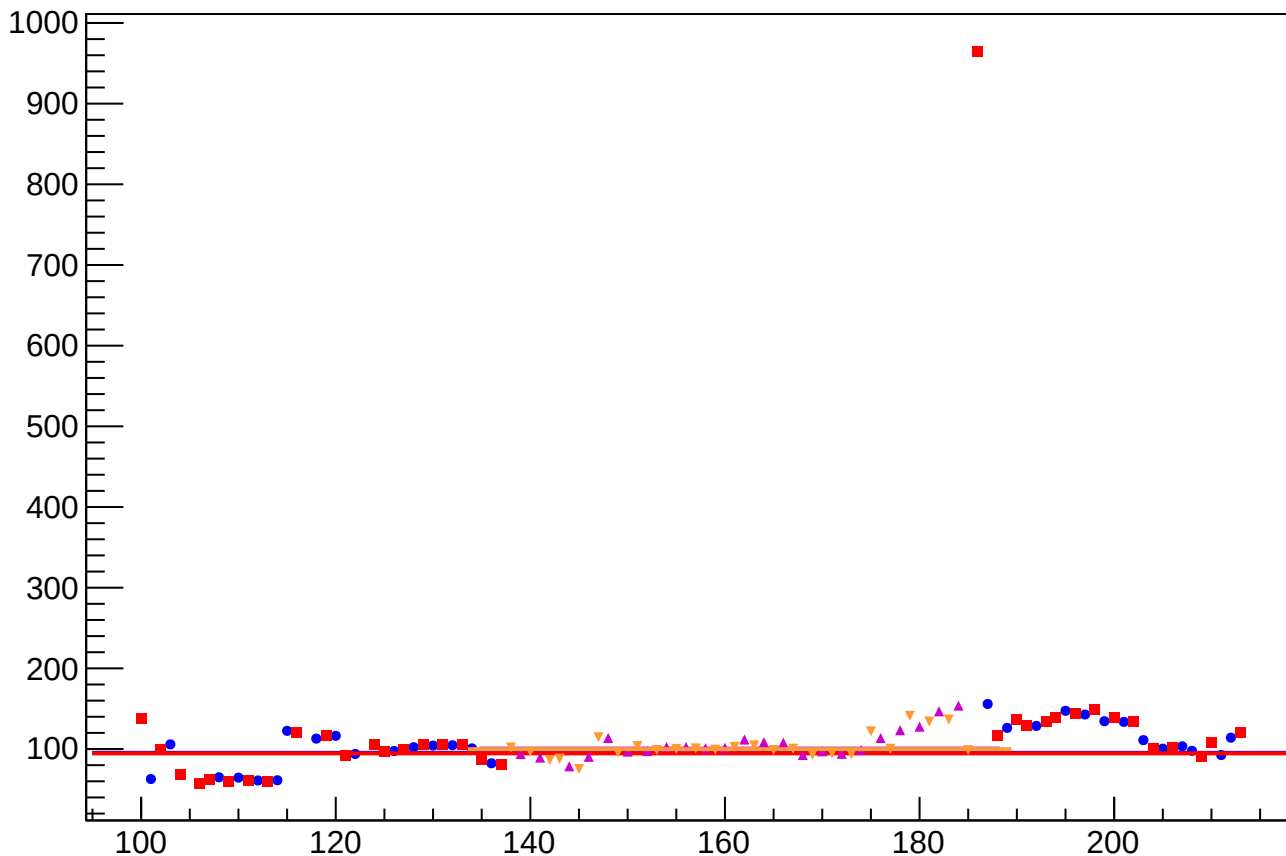
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 19.742 ± 16.490 χ^2/NDF : 59.4/53

All: 0.936 ± 11.667 χ^2/NDF : 147.3/110

- sign -17.913 ± 16.509 χ^2/NDF : 85.3/56

cor_asym_sam_1548_avg_rms vs Slug



Right In: 95.278 $\pm$ 0.017 χ^2 /NDF: 2221140.3/28

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 94.634 $\pm$ 0.016 χ^2 /NDF: 3541468.7/33

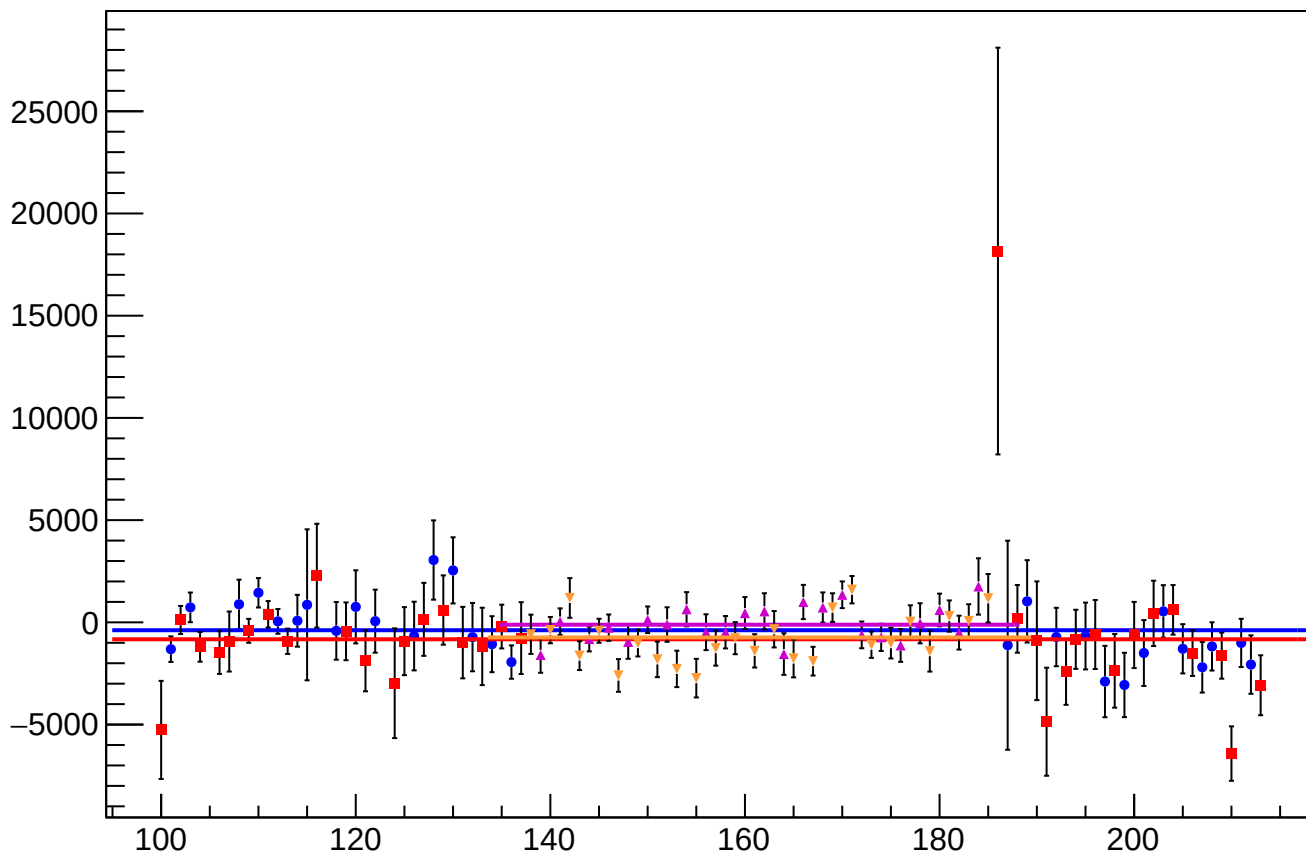
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 97.631 $\pm$ 0.012 χ^2 /NDF: 2957119.1/53

All: 97.548 $\pm$ 0.008 χ^2 /NDF: 7218535.8/110

- sign 97.466 $\pm$ 0.012 χ^2 /NDF: 4261316.1/56

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -385.054+/-216.779 χ^2 /NDF: 35.2/28

Left Out: -738.352+/-156.311 χ^2 /NDF: 49.7/24

Right Out: -828.438+/-205.021 χ^2 /NDF: 45.1/33

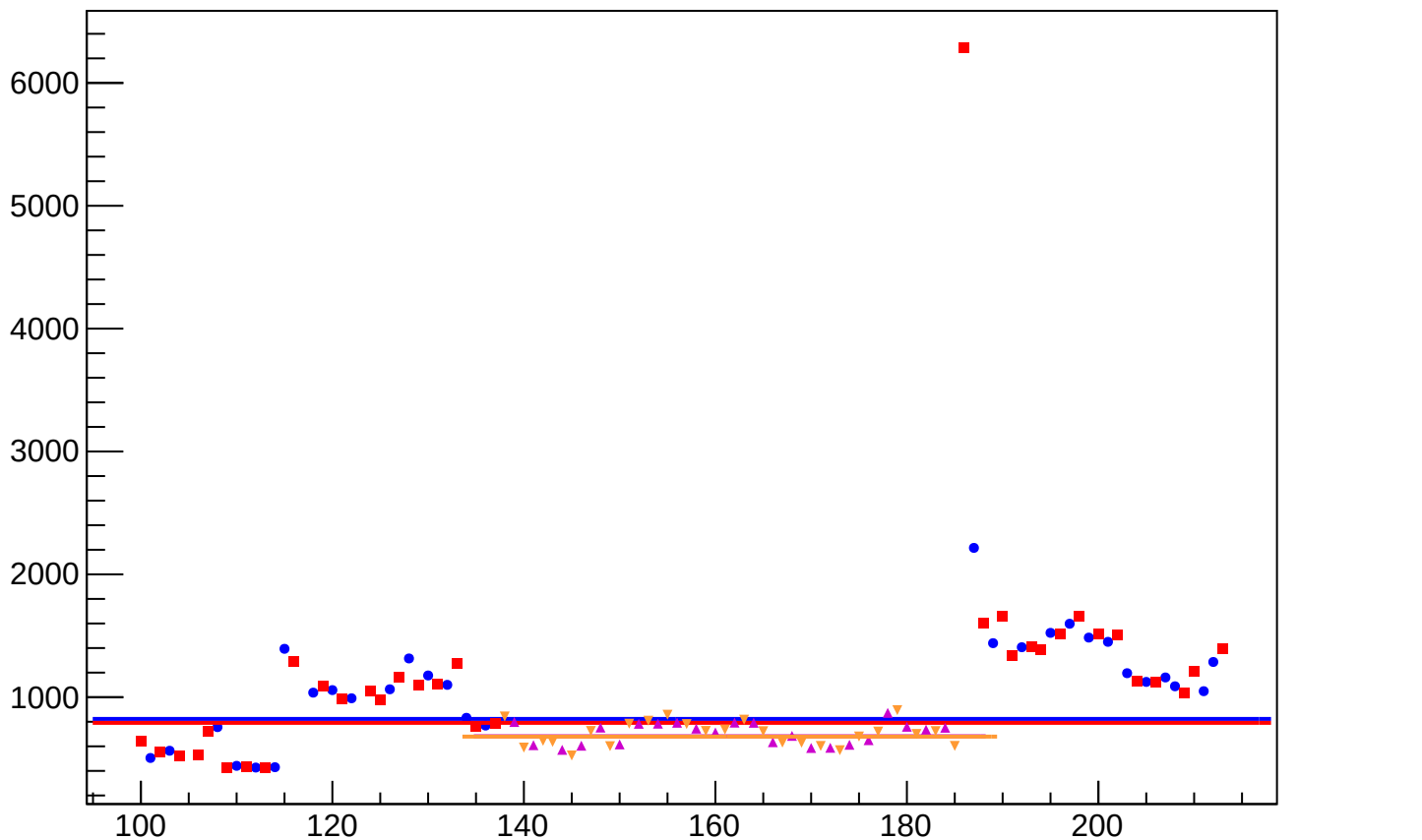
Left In: -115.639+/-160.990 χ^2 /NDF: 23.7/22

+ sign -617.497+/-126.788 χ^2 /NDF: 86.6/53

All: -502.352+/-89.593 χ^2 /NDF: 164.6/110

- sign -387.513+/-126.619 χ^2 /NDF: 76.4/56

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 823.117+/-0.153 χ^2/NDF : 5787710.7/28

Left Out: 679.146+/-0.111 χ^2/NDF : 737418.6/24

+ sign 728.395+/-0.090 χ^2/NDF : 7105524.5/53

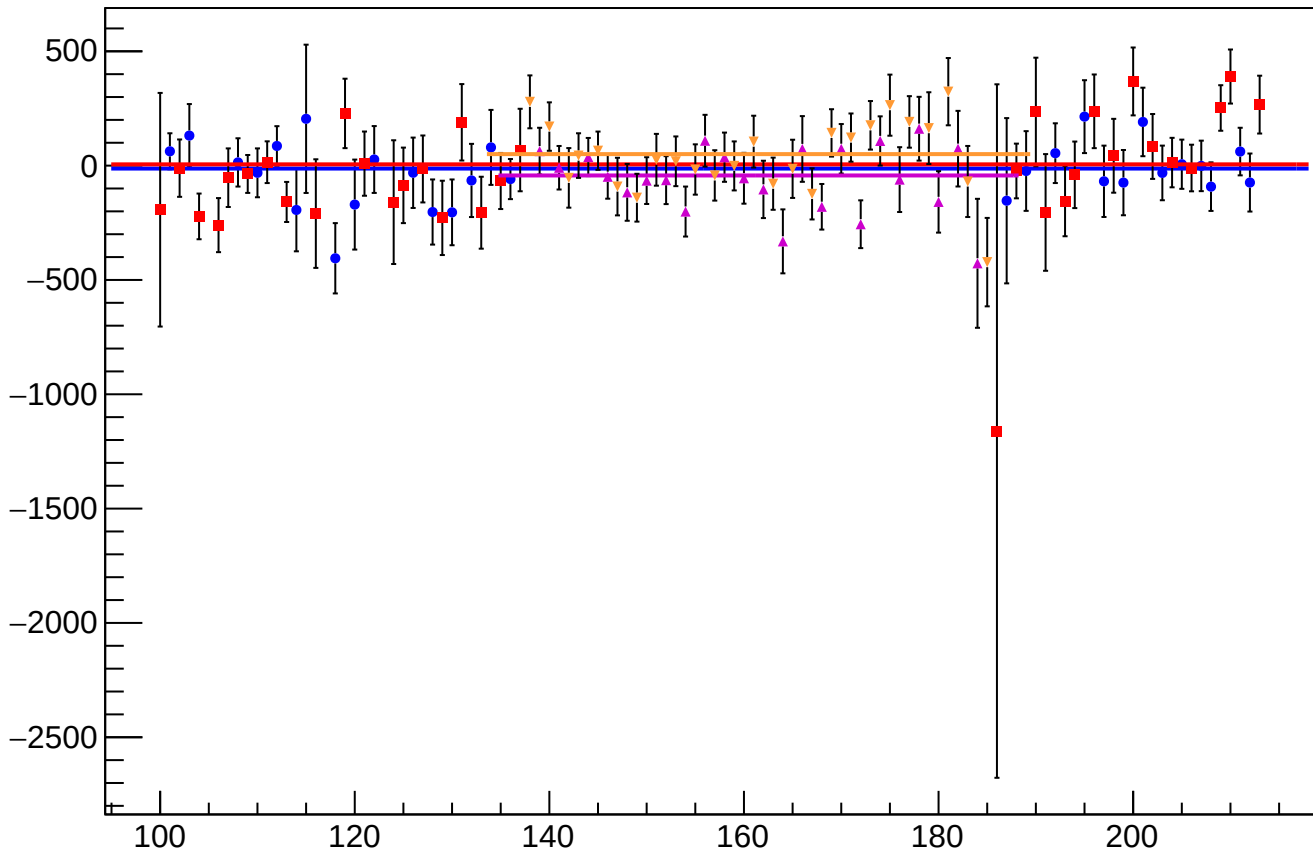
Right Out: 791.058+/-0.145 χ^2/NDF : 7931812.0/33

All: 725.960+/-0.063 χ^2/NDF : 15963374.8/11

Left In: 681.893+/-0.114 χ^2/NDF : 573813.6/22

- sign 723.531+/-0.090 χ^2/NDF : 8856376.1/56

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -12.854 ± 23.702 χ^2/NDF : 22.3/28

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: 5.536 ± 22.957 χ^2/NDF : 56.5/33

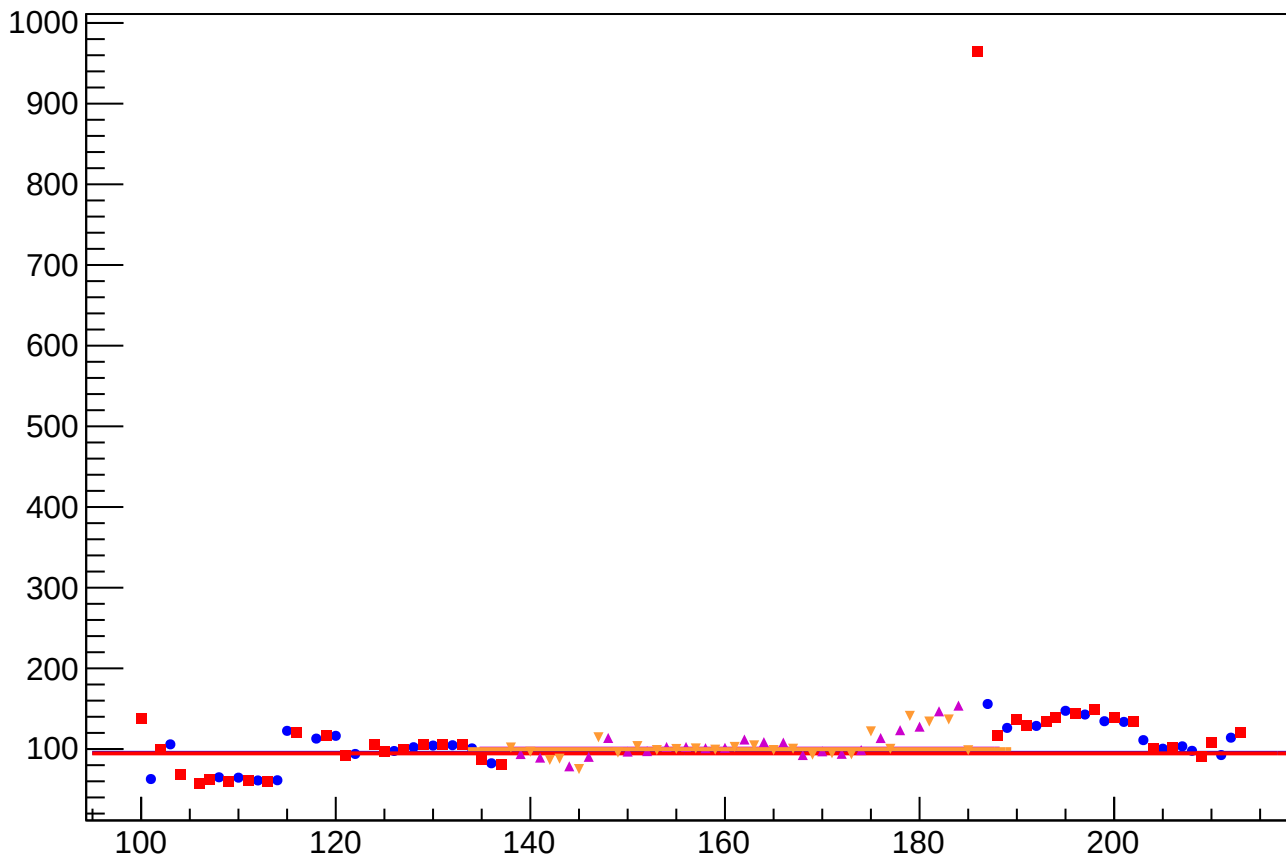
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 19.742 ± 16.490 χ^2/NDF : 59.4/53

All: 0.936 ± 11.667 χ^2/NDF : 147.3/110

- sign -17.913 ± 16.509 χ^2/NDF : 85.3/56

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 95.278 $\pm$ 0.017 χ^2 /NDF: 2221140.3/28

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 94.634 $\pm$ 0.016 χ^2 /NDF: 3541468.7/33

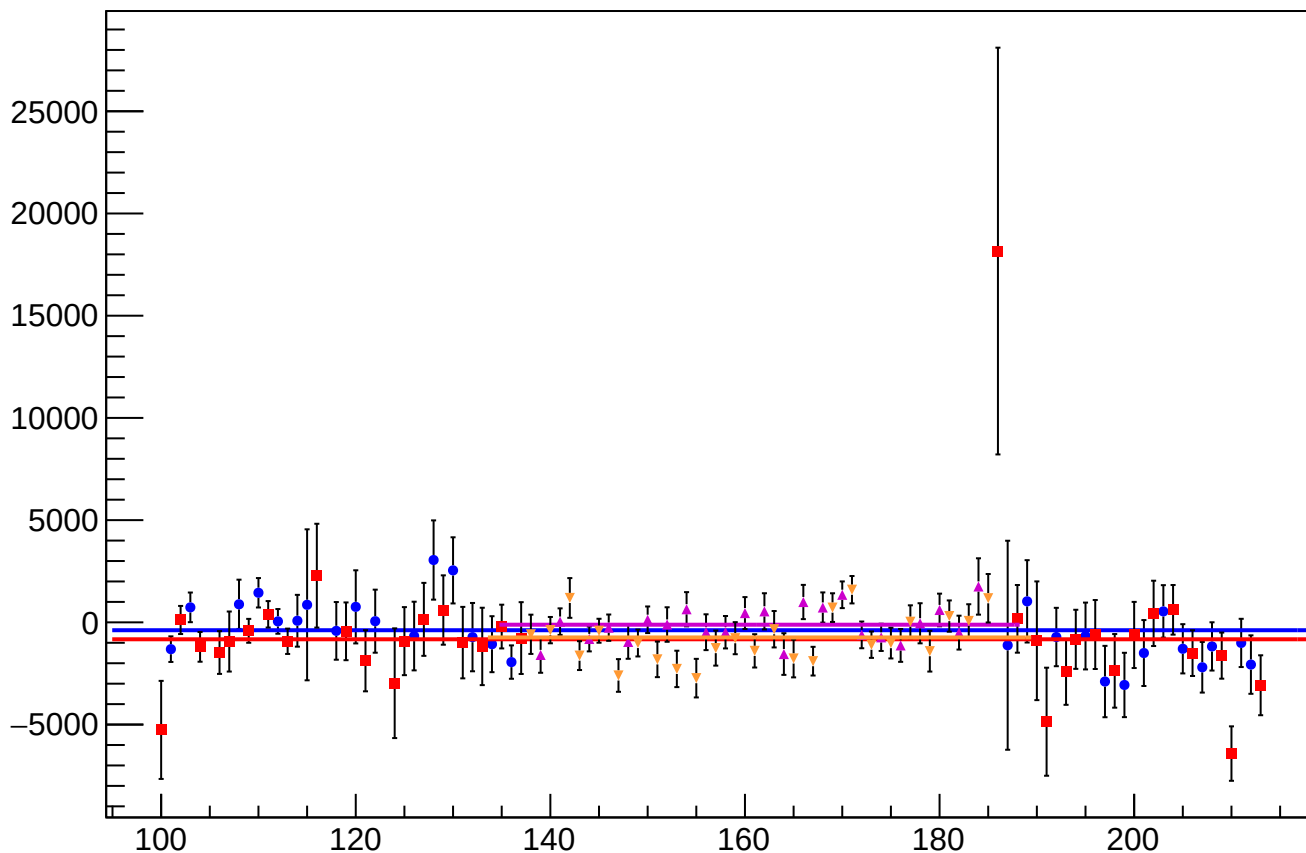
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 97.631 $\pm$ 0.012 χ^2 /NDF: 2957119.1/53

All: 97.548 $\pm$ 0.008 χ^2 /NDF: 7218535.8/110

- sign 97.466 $\pm$ 0.012 χ^2 /NDF: 4261316.1/56

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -385.054 ± 216.779 χ^2/NDF : 35.2/28

Left Out: -738.352 ± 156.311 χ^2/NDF : 49.7/24

Right Out: -828.438 ± 205.021 χ^2/NDF : 45.1/33

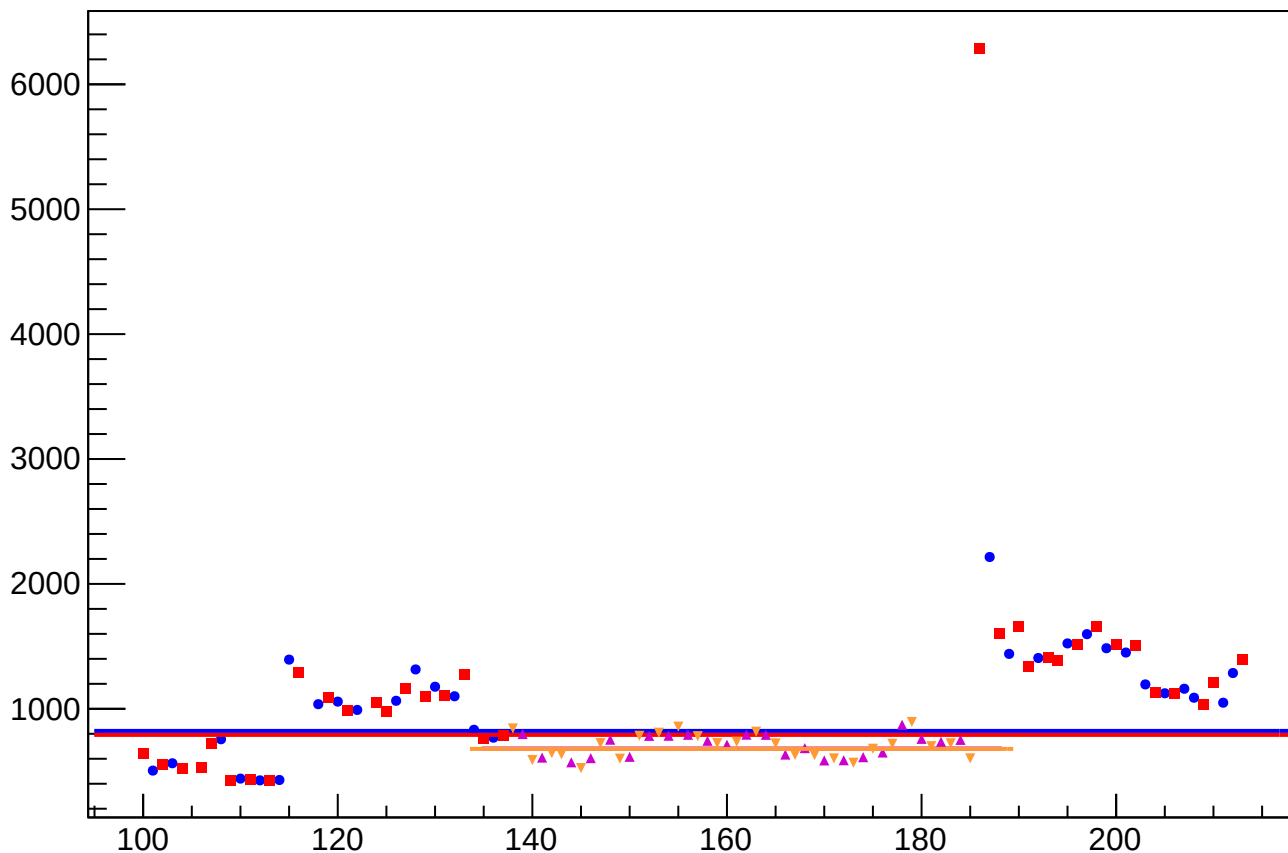
Left In: -115.639 ± 160.990 χ^2/NDF : 23.7/22

+ sign -617.497 ± 126.788 χ^2/NDF : 86.6/53

All: -502.352 ± 89.593 χ^2/NDF : 164.6/110

- sign -387.513 ± 126.619 χ^2/NDF : 76.4/56

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 823.117+/-0.153 χ^2/NDF : 5787710.7/28

Left Out: 679.146+/-0.111 χ^2/NDF : 737418.6/24

Right Out: 791.058+/-0.145 χ^2/NDF : 7931812.0/33

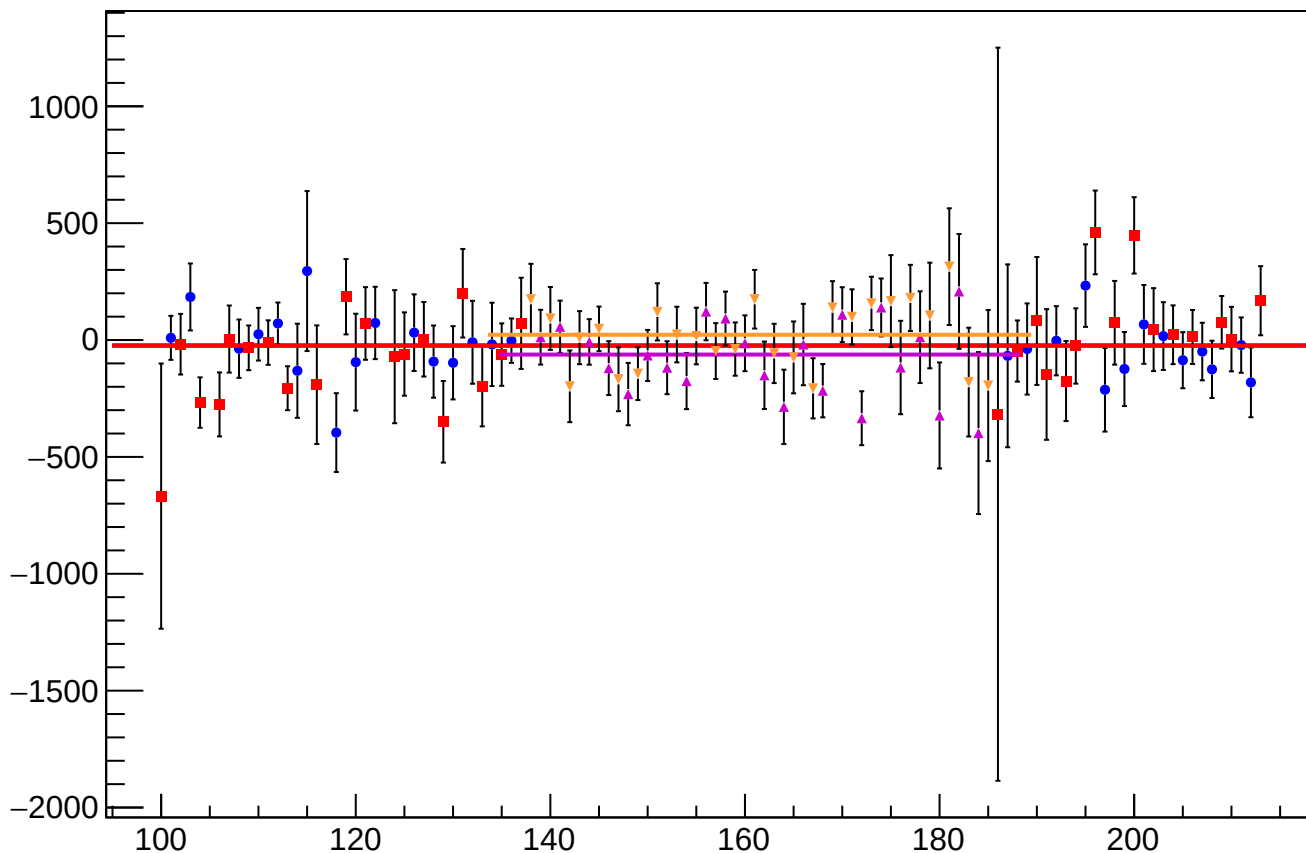
Left In: 681.893+/-0.114 χ^2/NDF : 573813.6/22

+ sign 728.395+/-0.090 χ^2/NDF : 7105524.5/53

All: 725.960+/-0.063 χ^2/NDF : 15963374.8/11

- sign 723.531+/-0.090 χ^2/NDF : 8856376.1/56

dit_asym_sam_1548_avg_mean vs Slug



Right In: -22.868 ± 26.353 χ^2/NDF : 16.8/28

Left Out: 22.542 ± 26.643 χ^2/NDF : 21.6/24

Right Out: -24.644 ± 25.450 χ^2/NDF : 42.5/33

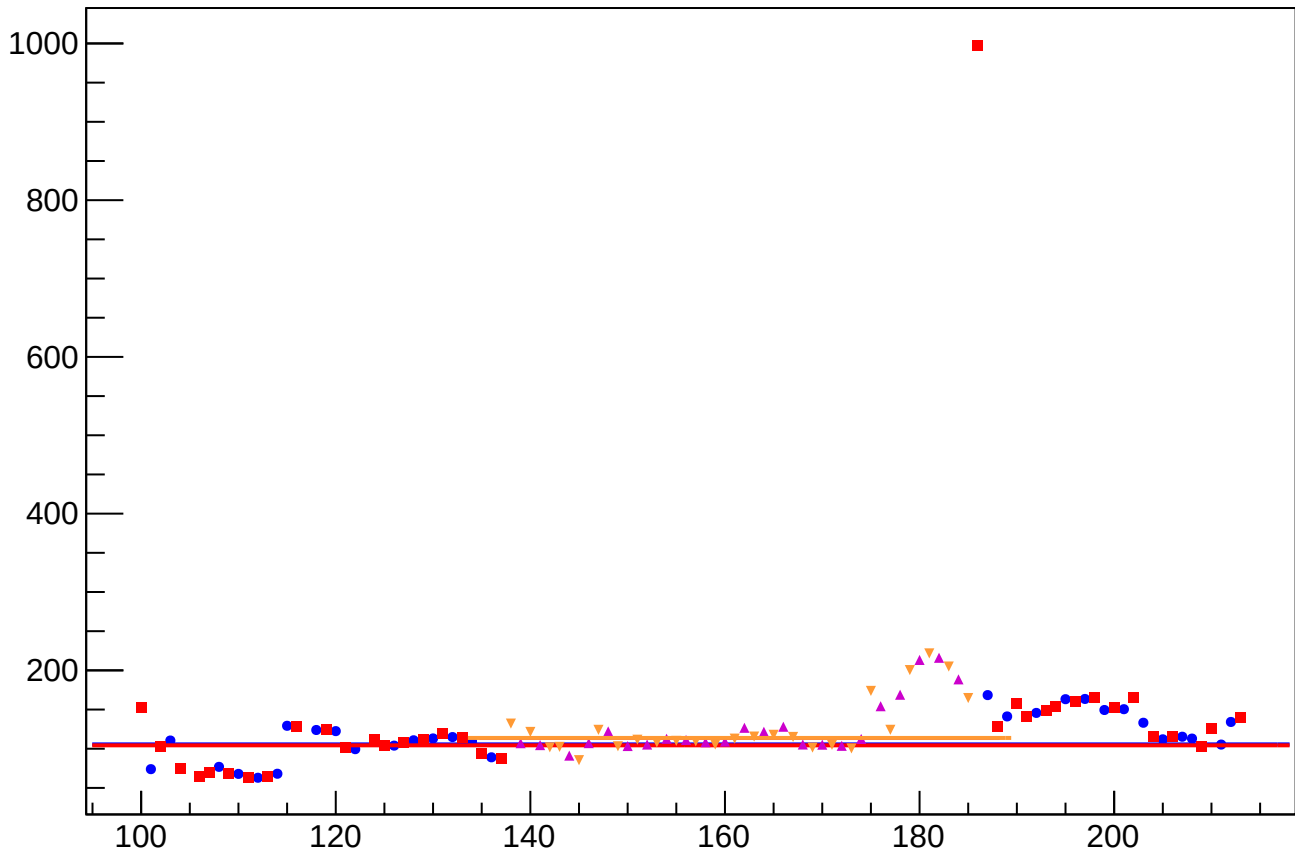
Left In: -62.169 ± 27.339 χ^2/NDF : 27.3/22

+ sign -0.411 ± 18.736 χ^2/NDF : 39.9/53

All: -21.359 ± 13.210 χ^2/NDF : 113.2/110

- sign -42.066 ± 18.628 χ^2/NDF : 70.8/56

dit_asym_sam_1548_avg_rms vs Slug



Right In: 105.541+/-0.019 χ^2/NDF : 2360911.1/28

Left Out: 113.766+/-0.019 χ^2/NDF :1579920.3/24

Right Out: 104.334+/-0.018 χ^2/NDF : 3761597.7/33

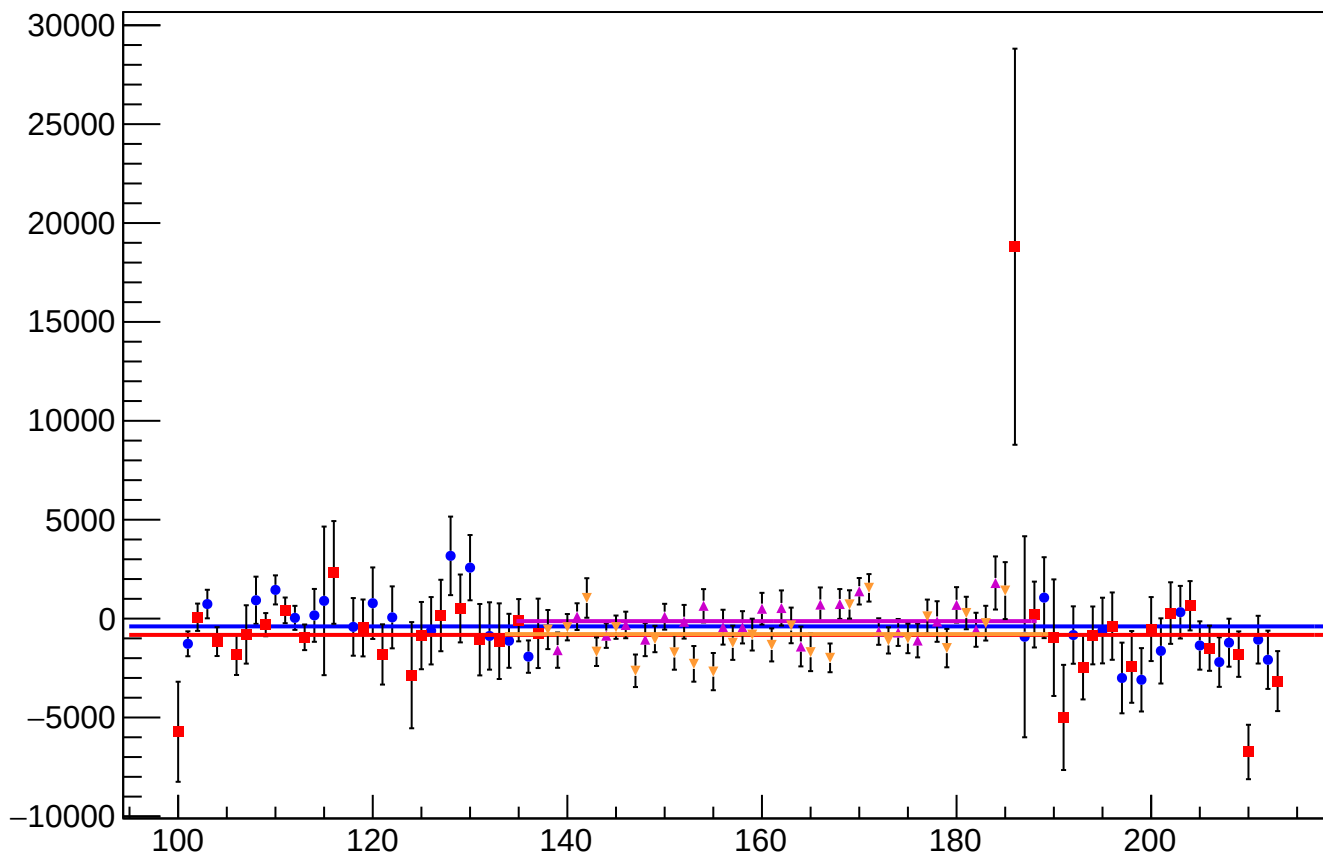
Left In: 113.677+/-0.019 χ^2/NDF :1316044.6/22

+ sign 109.608+/-0.013 χ^2/NDF : 4037184.7/53

All: 109.137+/-0.009 χ^2/NDF : 9242464.7/110

- sign 108.672+/-0.013 χ^2/NDF : 5202766.1/56

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -393.966 ± 219.546 χ^2/NDF : 34.8/28

Left Out: -784.286 ± 160.482 χ^2/NDF : 45.4/24

Right Out: -824.215 ± 207.472 χ^2/NDF : 47.5/33

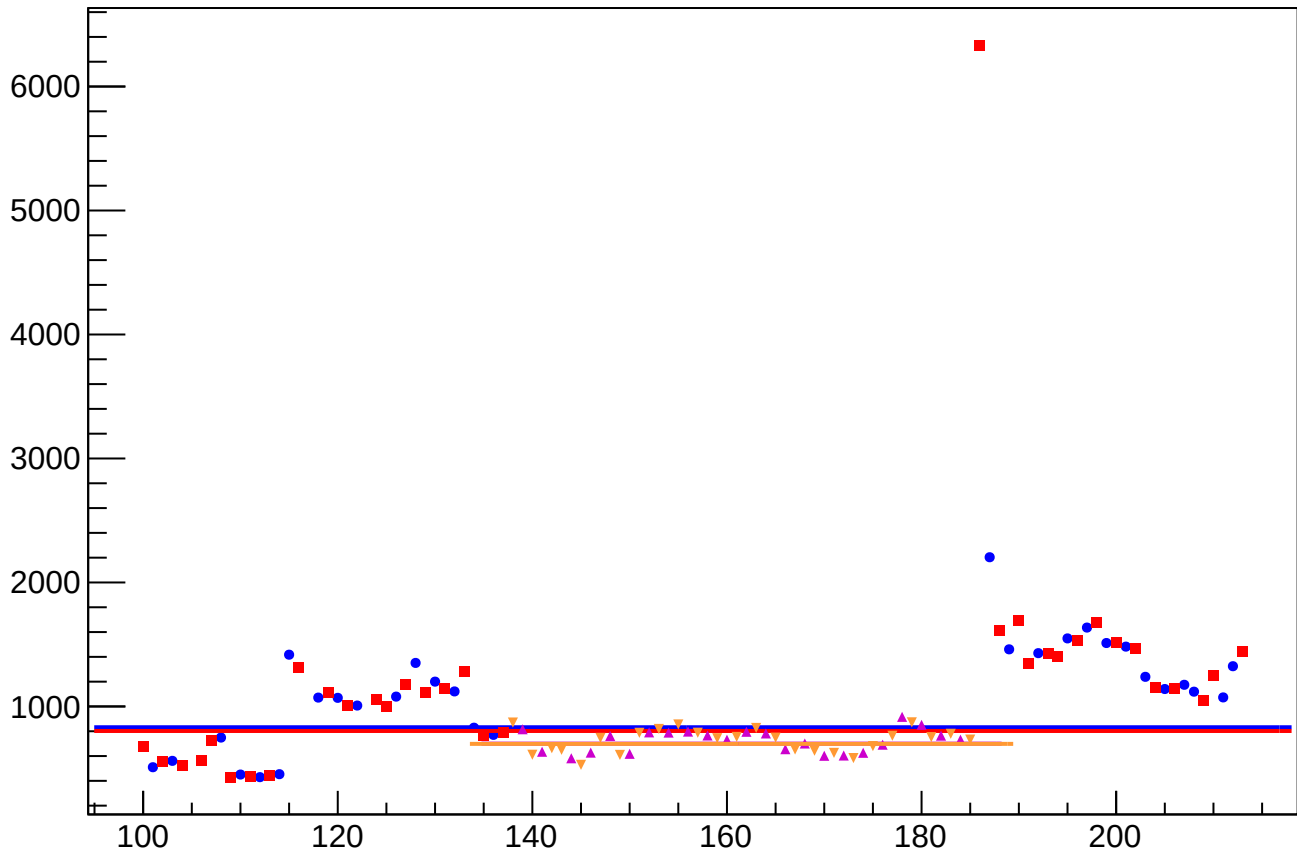
Left In: -128.155 ± 165.255 χ^2/NDF : 22.7/22

+ sign -648.359 ± 129.559 χ^2/NDF : 82.3/53

All: -523.065 ± 91.507 χ^2/NDF : 161.2/110

- sign -398.344 ± 129.262 χ^2/NDF : 77.1/56

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 832.315+/-0.155 χ^2/NDF : 5901899.0/28

Left Out: 698.237+/-0.113 χ^2/NDF : 714686.8/24

Right Out: 802.265+/-0.147 χ^2/NDF : 7911607.0/33

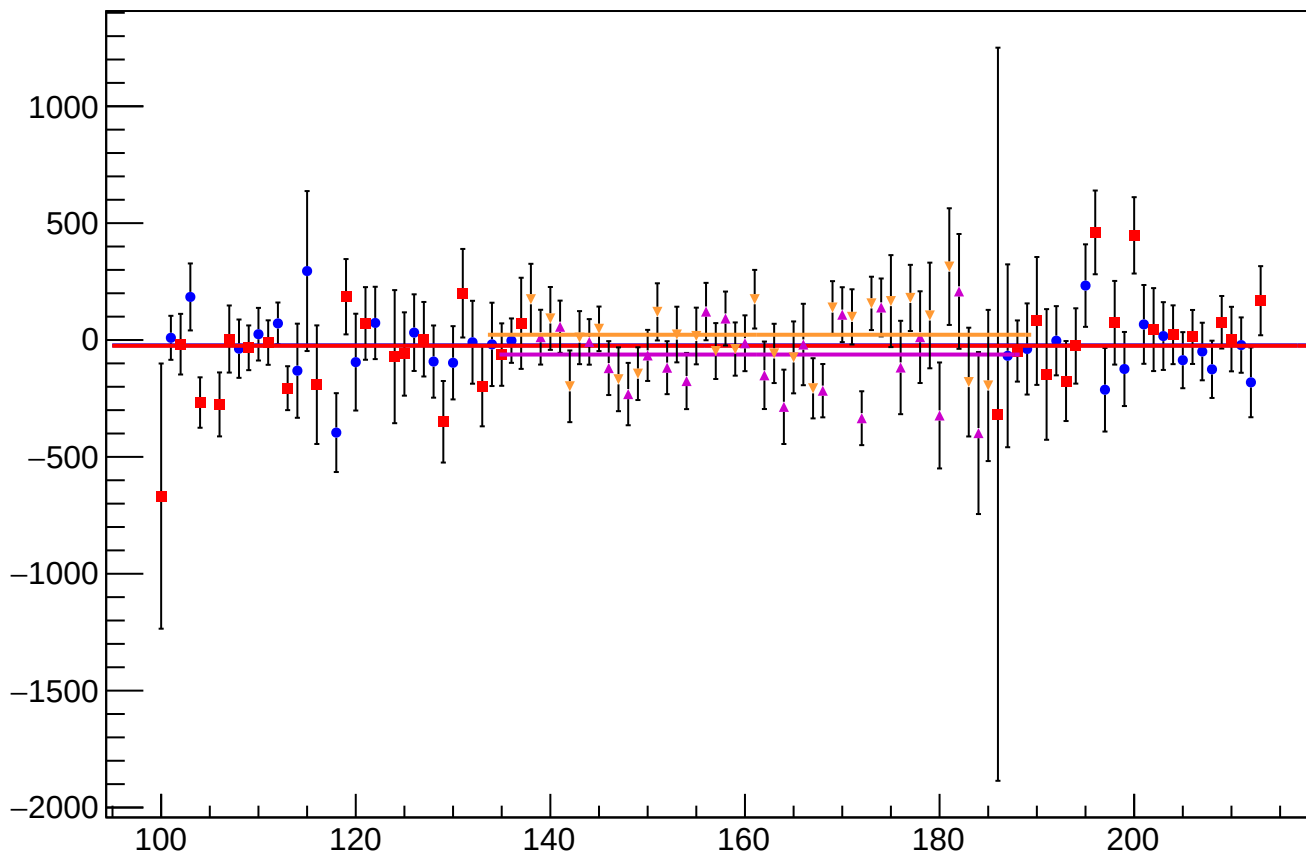
Left In: 700.079+/-0.117 χ^2/NDF : 584318.7/22

+ sign 744.929+/-0.092 χ^2/NDF : 7102744.8/53

All: 742.331+/-0.065 χ^2/NDF : 15897114.5/114

- sign 739.745+/-0.091 χ^2/NDF : 8792764.7/56

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -22.867 ± 26.353 χ^2/NDF : 16.8/28

Left Out: 22.544 ± 26.643 χ^2/NDF : 21.6/24

Right Out: -24.643 ± 25.450 χ^2/NDF : 42.5/33

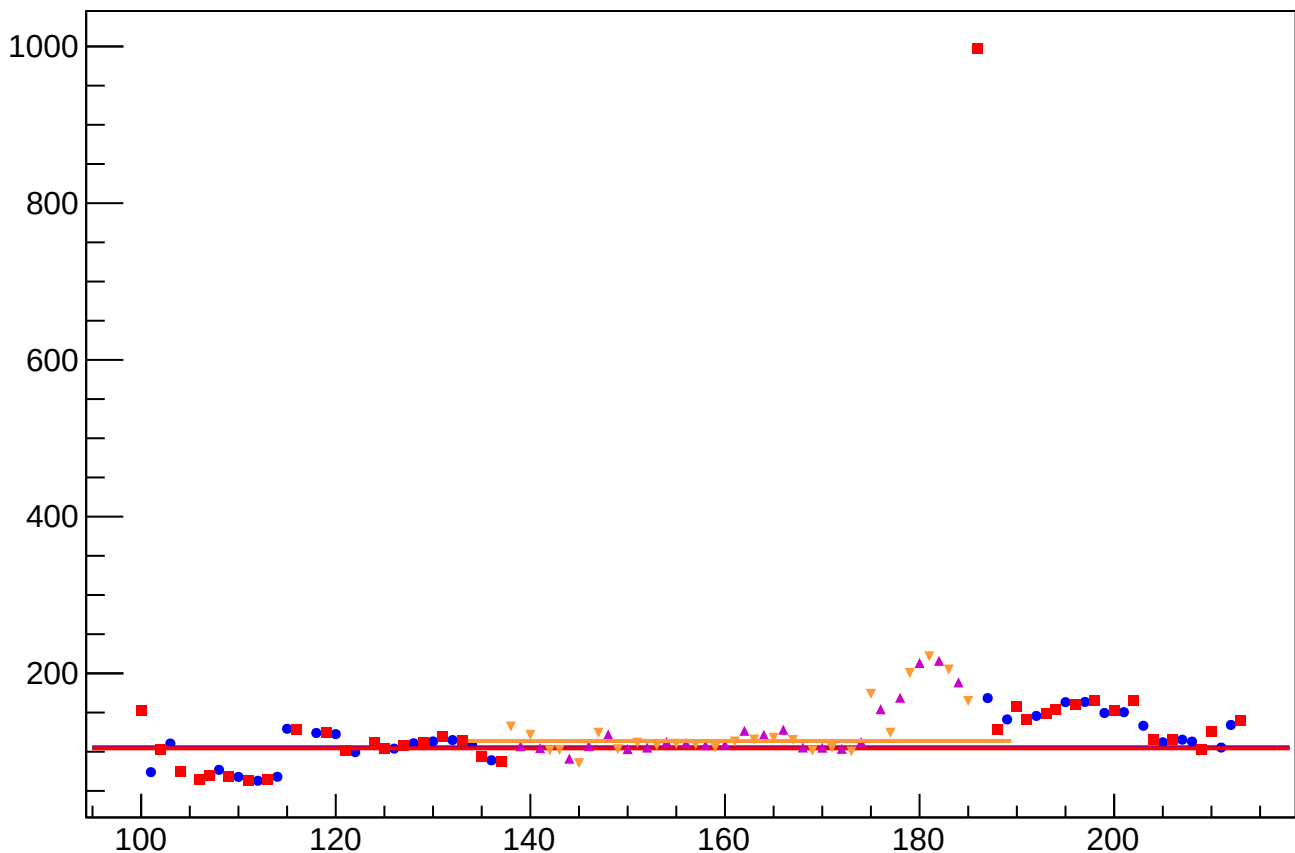
Left In: -62.169 ± 27.339 χ^2/NDF : 27.3/22

+ sign -0.410 ± 18.736 χ^2/NDF : 39.9/53

All: -21.358 ± 13.210 χ^2/NDF : 113.2/110

- sign -42.065 ± 18.628 χ^2/NDF : 70.8/56

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 105.541 $\pm$ 0.019 χ^2 /NDF: 2360895.4/28

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF:1579910.8/24

Right Out: 104.334 $\pm$ 0.018 χ^2 /NDF: 3761596.7/33

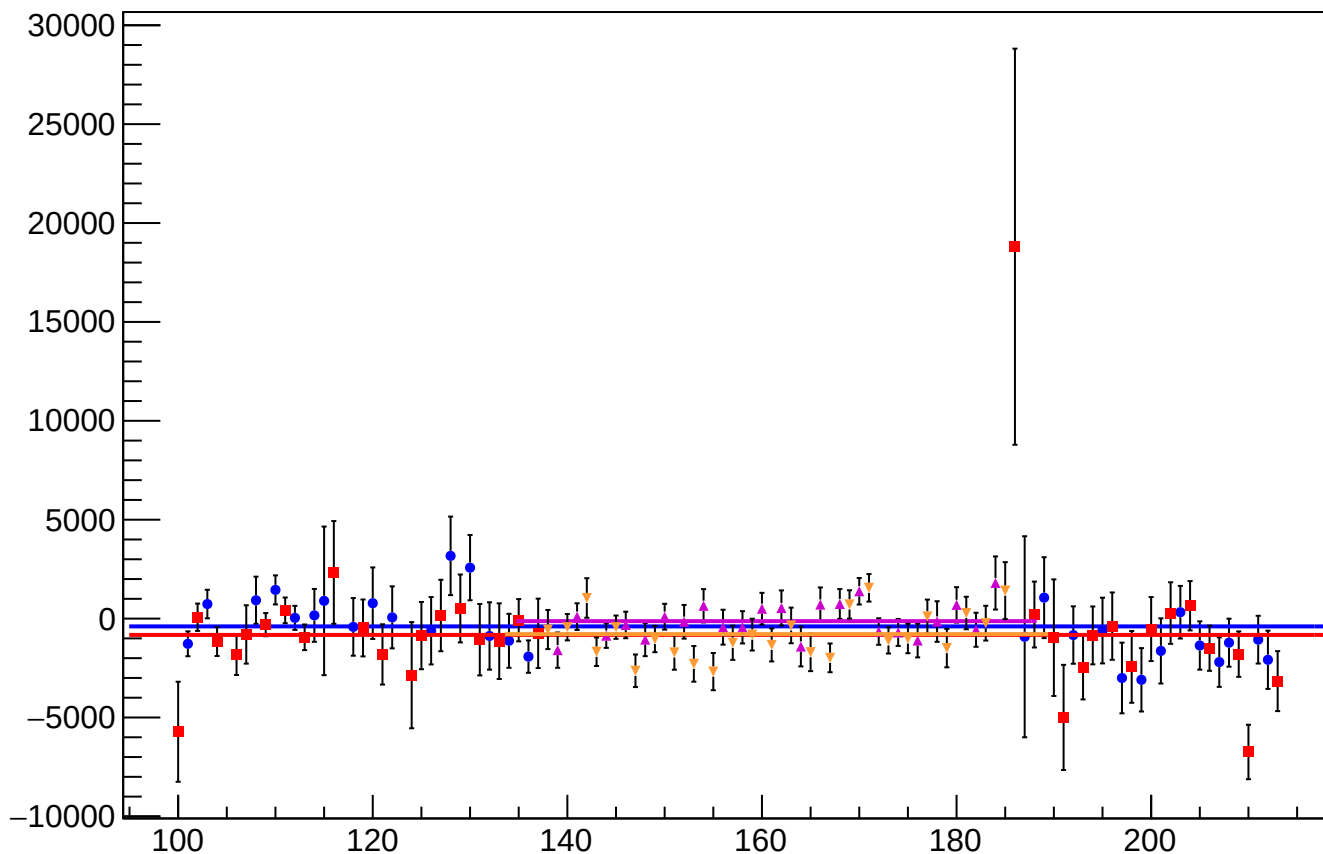
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF:1316023.5/22

+ sign 109.608 $\pm$ 0.013 χ^2 /NDF: 4037163.7/53

All: 109.137 $\pm$ 0.009 χ^2 /NDF: 9242427.6/110

- sign 108.672 $\pm$ 0.013 χ^2 /NDF: 5202750.1/56

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -393.965 ± 219.546 χ^2/NDF : 34.8/28

Left Out: -784.284 ± 160.482 χ^2/NDF : 45.4/24

Right Out: -824.213 ± 207.472 χ^2/NDF : 47.5/33

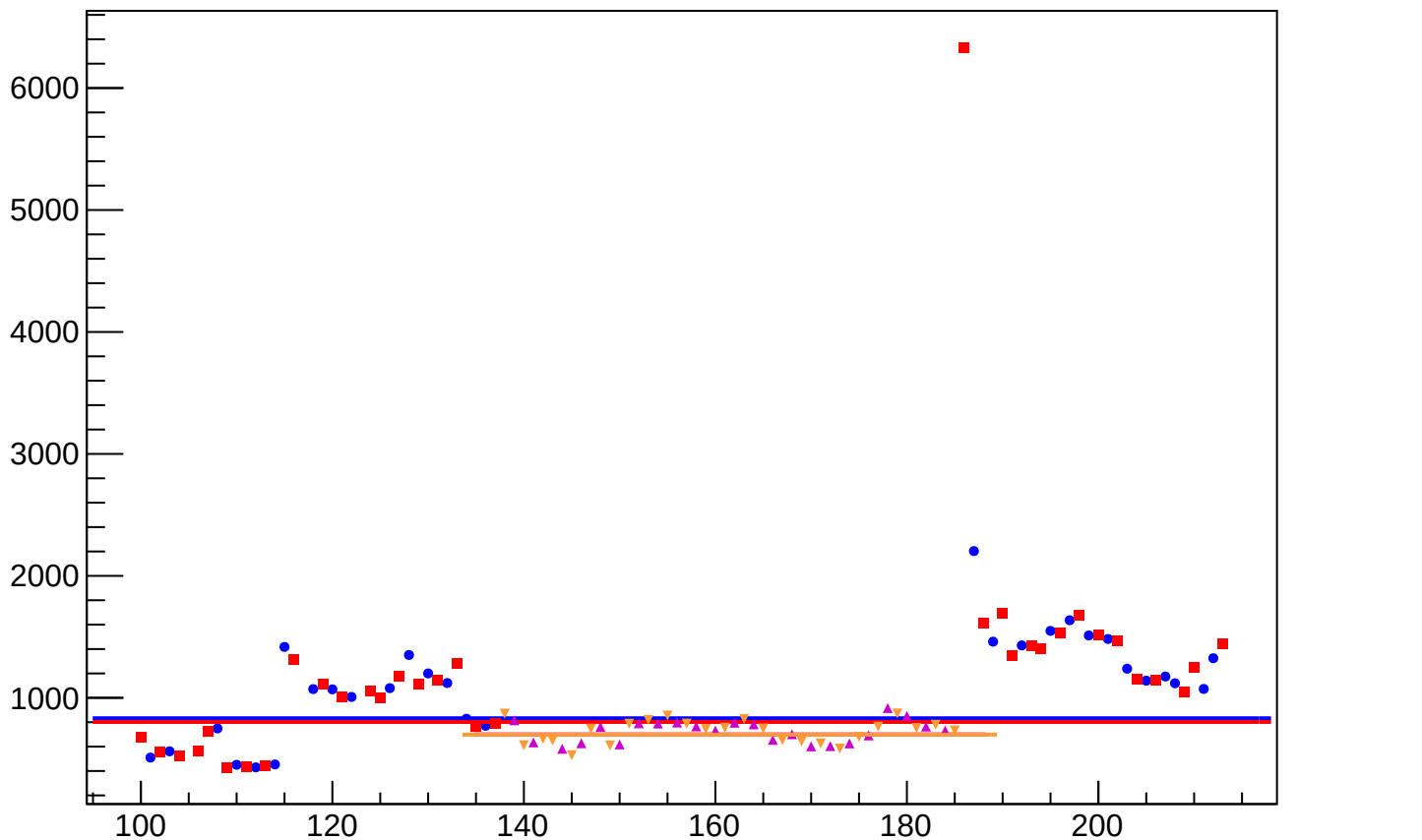
Left In: -128.154 ± 165.255 χ^2/NDF : 22.7/22

+ sign -648.358 ± 129.559 χ^2/NDF : 82.3/53

All: -523.063 ± 91.507 χ^2/NDF : 161.2/110

- sign -398.343 ± 129.262 χ^2/NDF : 77.1/56

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 832.314+/-0.155 χ^2/NDF : 5901901.3/28

Left Out: 698.236+/-0.113 χ^2/NDF : 714685.1/24

Right Out: 802.264+/-0.147 χ^2/NDF : 7911603.0/33

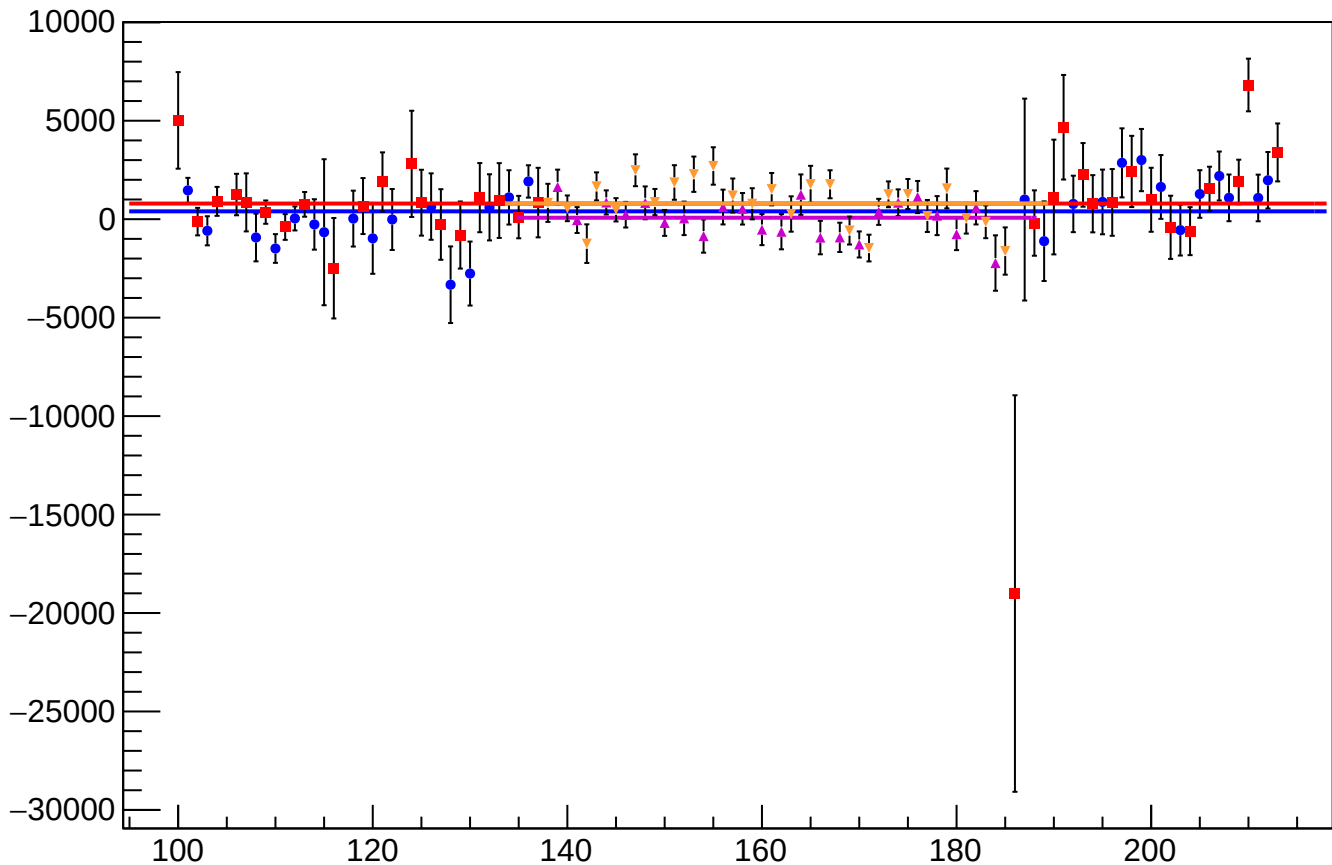
Left In: 700.079+/-0.117 χ^2/NDF : 584314.1/22

+ sign 744.928+/-0.092 χ^2/NDF : 7102745.3/53

All: 742.330+/-0.065 χ^2/NDF : 15897105.6/117

- sign 739.744+/-0.091 χ^2/NDF : 8792755.4/56

asym_sam_1548_avg_mean vs Slug



Right In: 397.923 ± 218.715 χ^2/NDF : 36.1/28

Left Out: 796.905 ± 158.142 χ^2/NDF : 46.4/24

Right Out: 794.098 ± 206.815 χ^2/NDF : 47.9/33

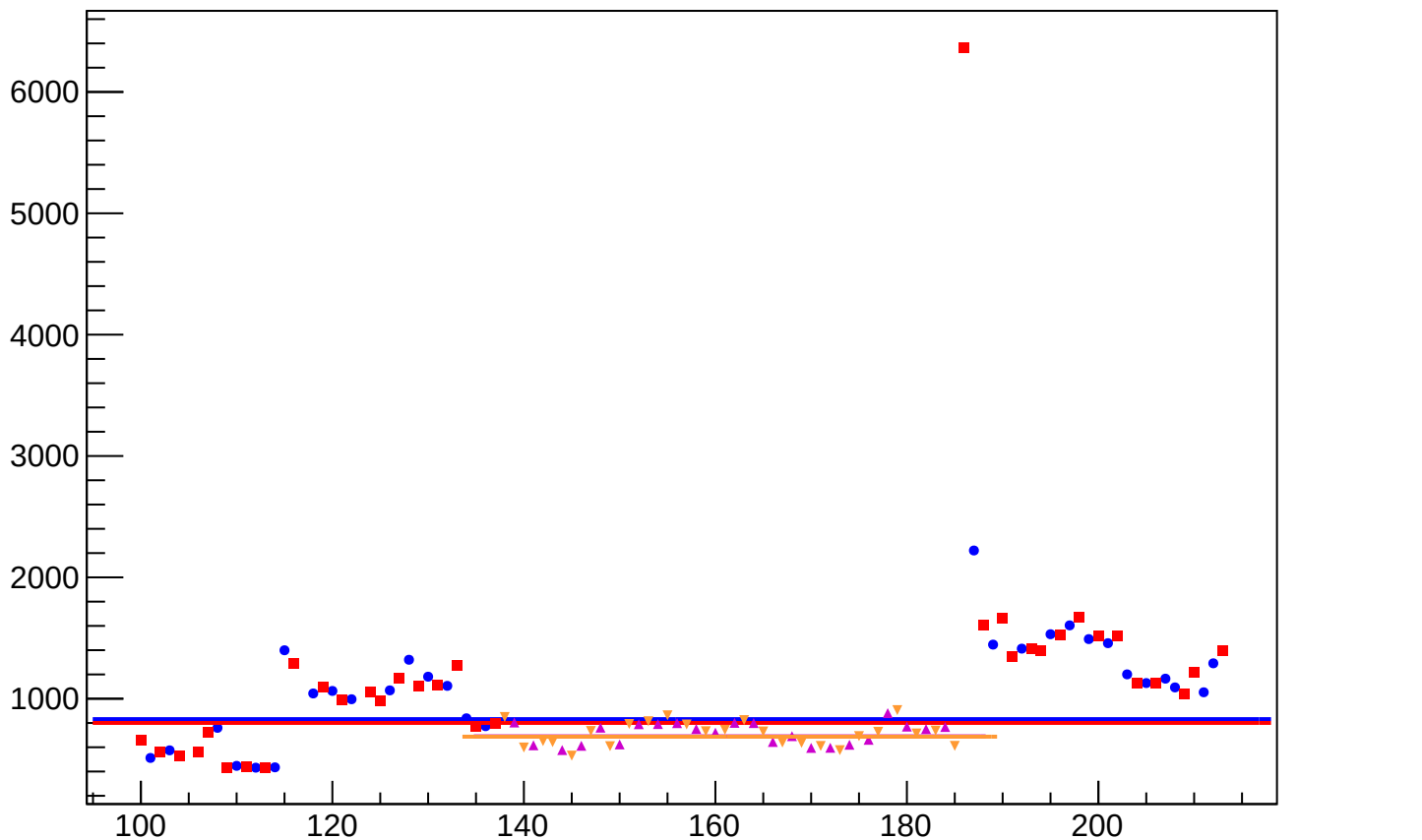
Left In: 73.501 ± 162.879 χ^2/NDF : 24.9/22

+ sign 659.928 ± 128.152 χ^2/NDF : 84.7/53

All: 504.409 ± 90.549 χ^2/NDF : 167.9/110

- sign 349.355 ± 127.960 χ^2/NDF : 80.3/56

asym_sam_1548_avg_rms vs Slug



Right In: 831.760+/-0.155 χ^2/NDF : 5692810.0/28

Left Out: 687.243+/-0.112 χ^2/NDF : 727994.0/24

Right Out: 800.531+/-0.146 χ^2/NDF : 7805086.8/33

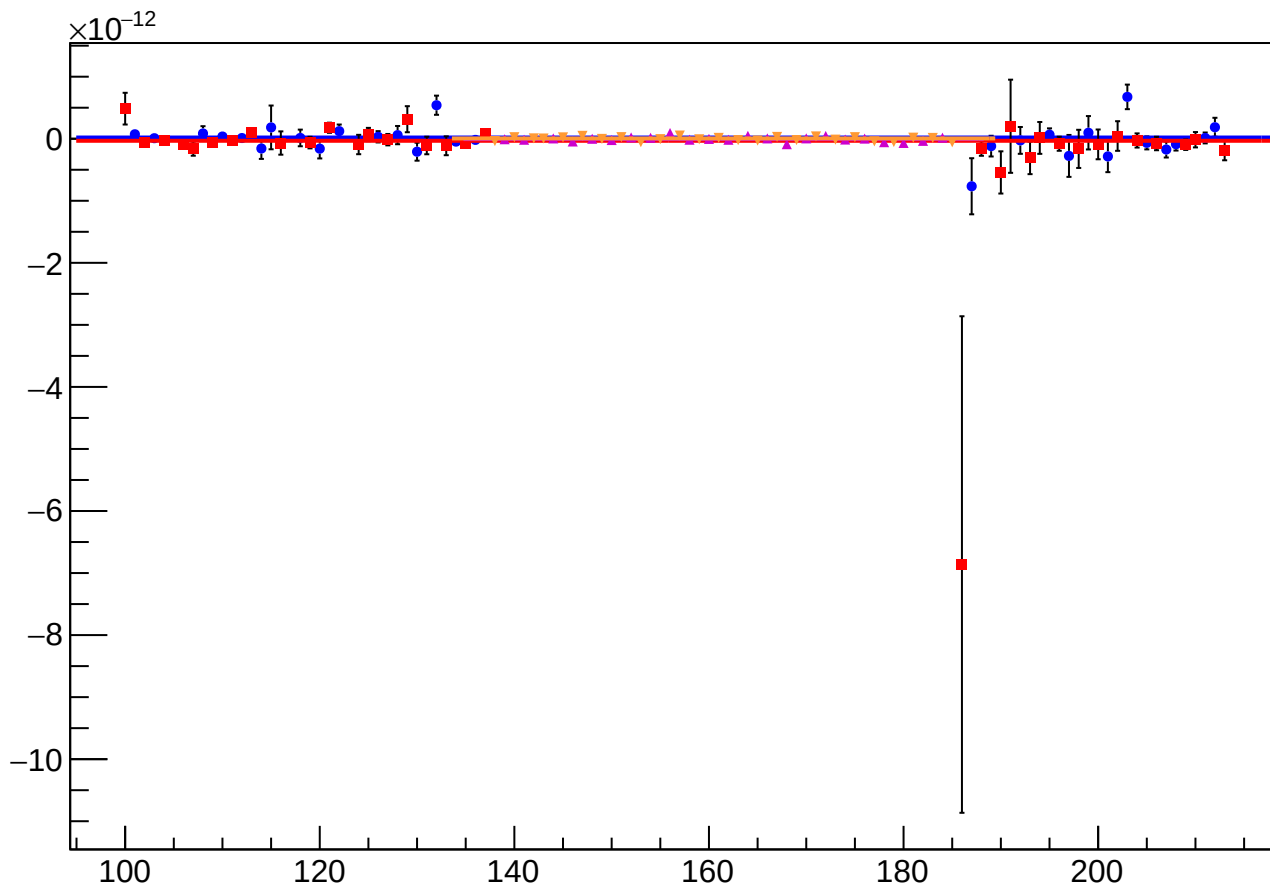
Left In: 689.997+/-0.115 χ^2/NDF : 567089.0/22

+ sign 736.858+/-0.091 χ^2/NDF : 6994218.7/53

All: 734.581+/-0.064 χ^2/NDF : 15720248.7/11

- sign 732.311+/-0.090 χ^2/NDF : 8724769.1/56

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 46.1/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 22.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 35.8/33

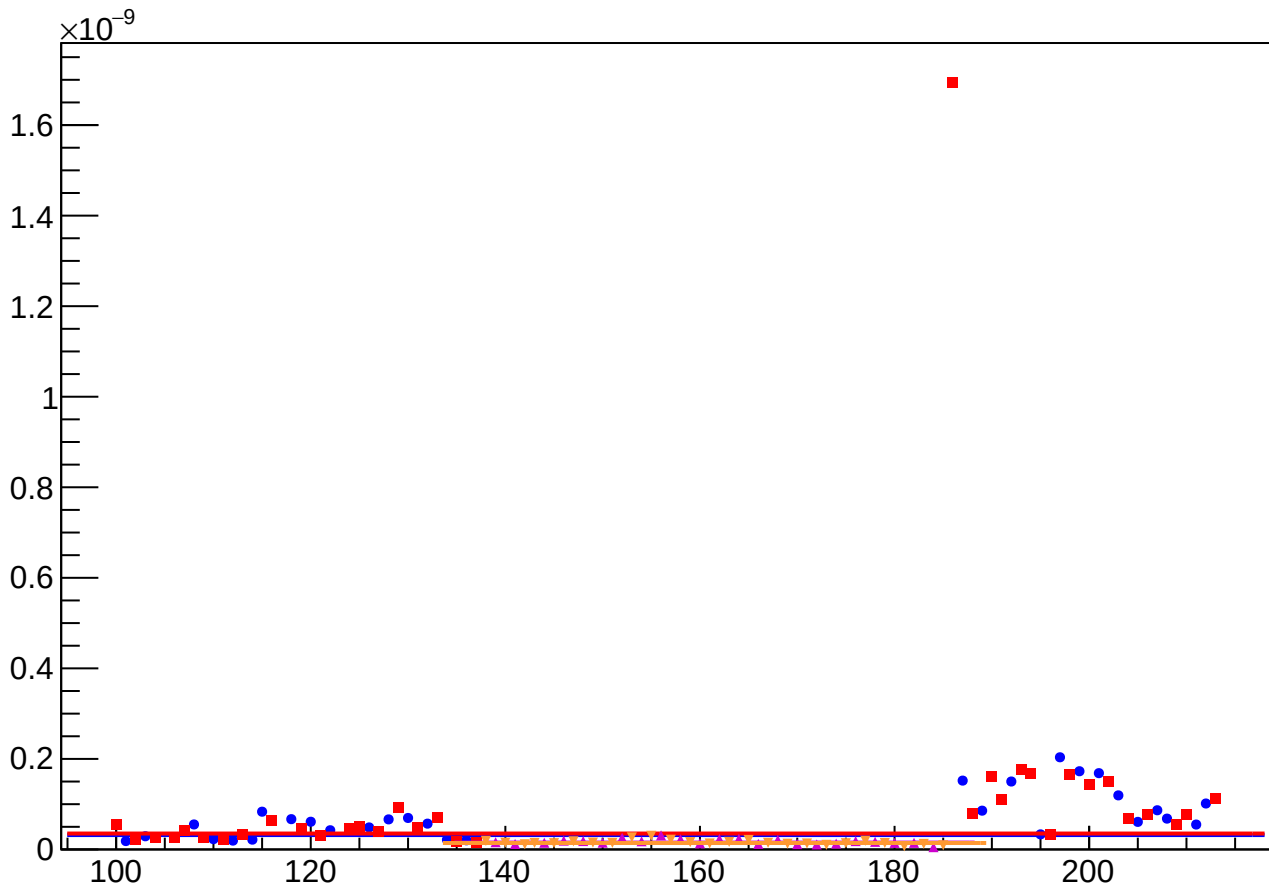
Left In: -0.000 ± 0.000 χ^2/NDF : 26.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 69.0/53

All: -0.000 ± 0.000 χ^2/NDF : 138.7/110

- sign -0.000 ± 0.000 χ^2/NDF : 65.0/56

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6003675.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5924525.0/33

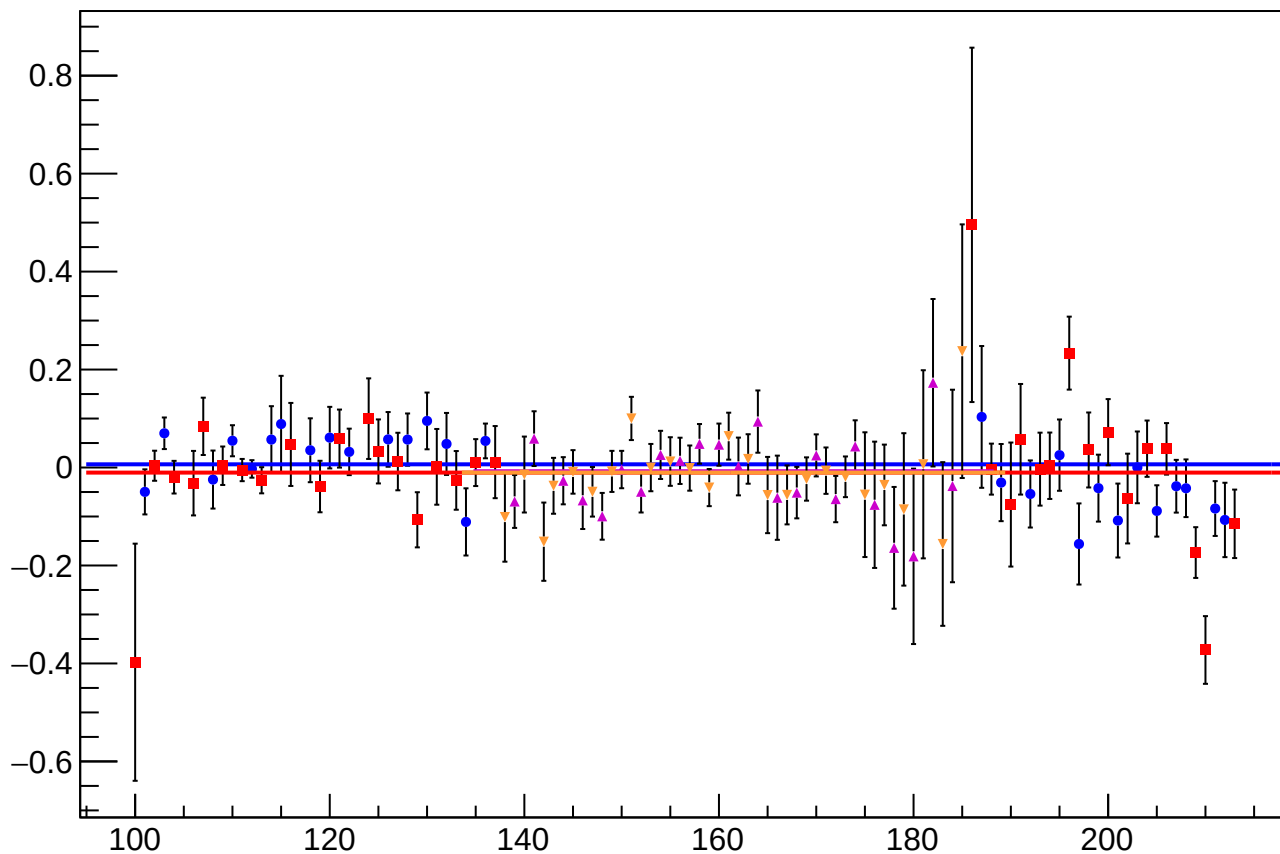
Left In: 0.000+/-0.000 χ^2/NDF : 1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9630003.8/53

All: 0.000+/-0.000 χ^2/NDF : 19737049.5/110

- sign 0.000+/-0.000 χ^2/NDF : 10050251.4/56

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.009 χ^2/NDF : 37.7/28

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.010 ± 0.009 χ^2/NDF : 70.6/33

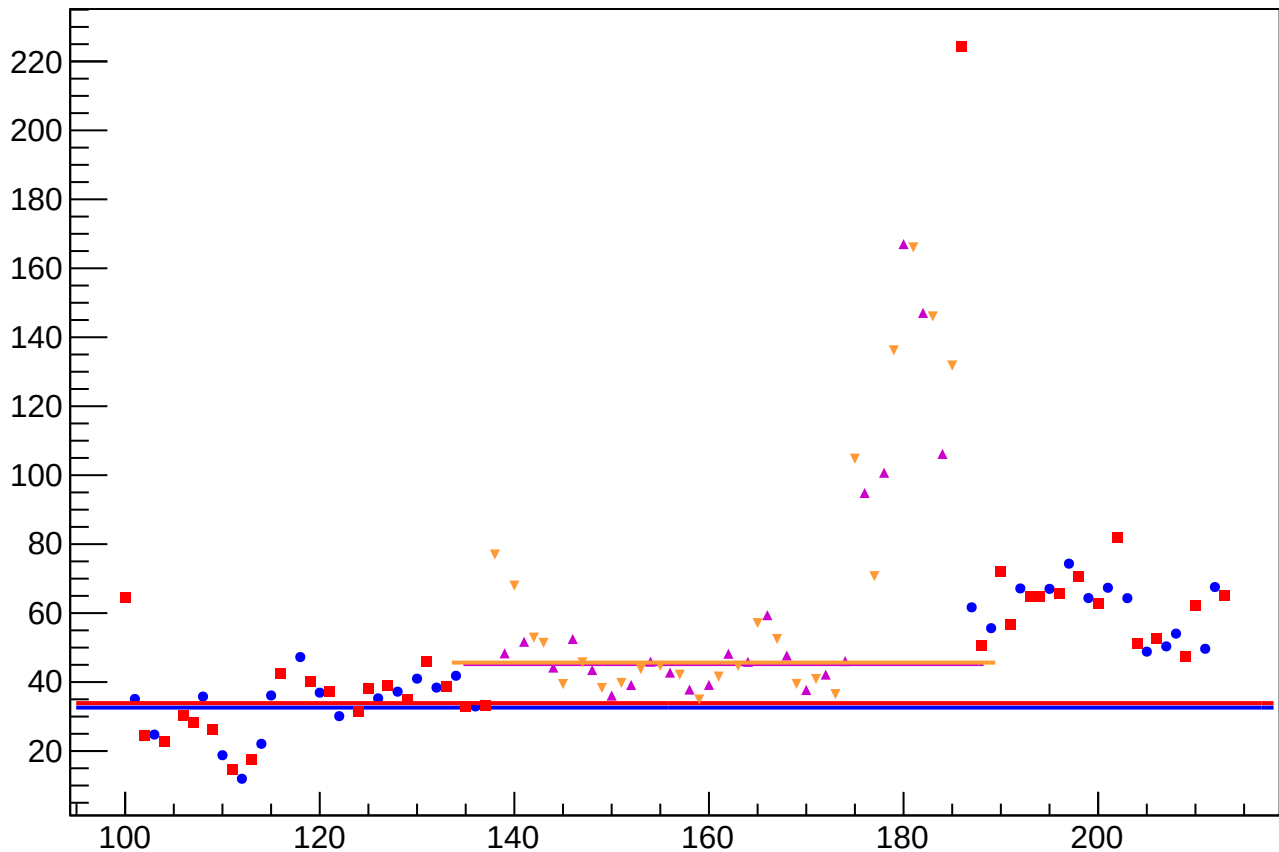
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.000 ± 0.007 χ^2/NDF : 57.1/53

All: -0.005 ± 0.005 χ^2/NDF : 151.9/110

- sign -0.009 ± 0.007 χ^2/NDF : 94.0/56

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.606 $\pm$ 0.006 χ^2 /NDF: 7688158.2/28

Left Out: 45.650 $\pm$ 0.008 χ^2 /NDF: 4015230.2/24

Right Out: 33.899 $\pm$ 0.006 χ^2 /NDF: 7727030.3/33

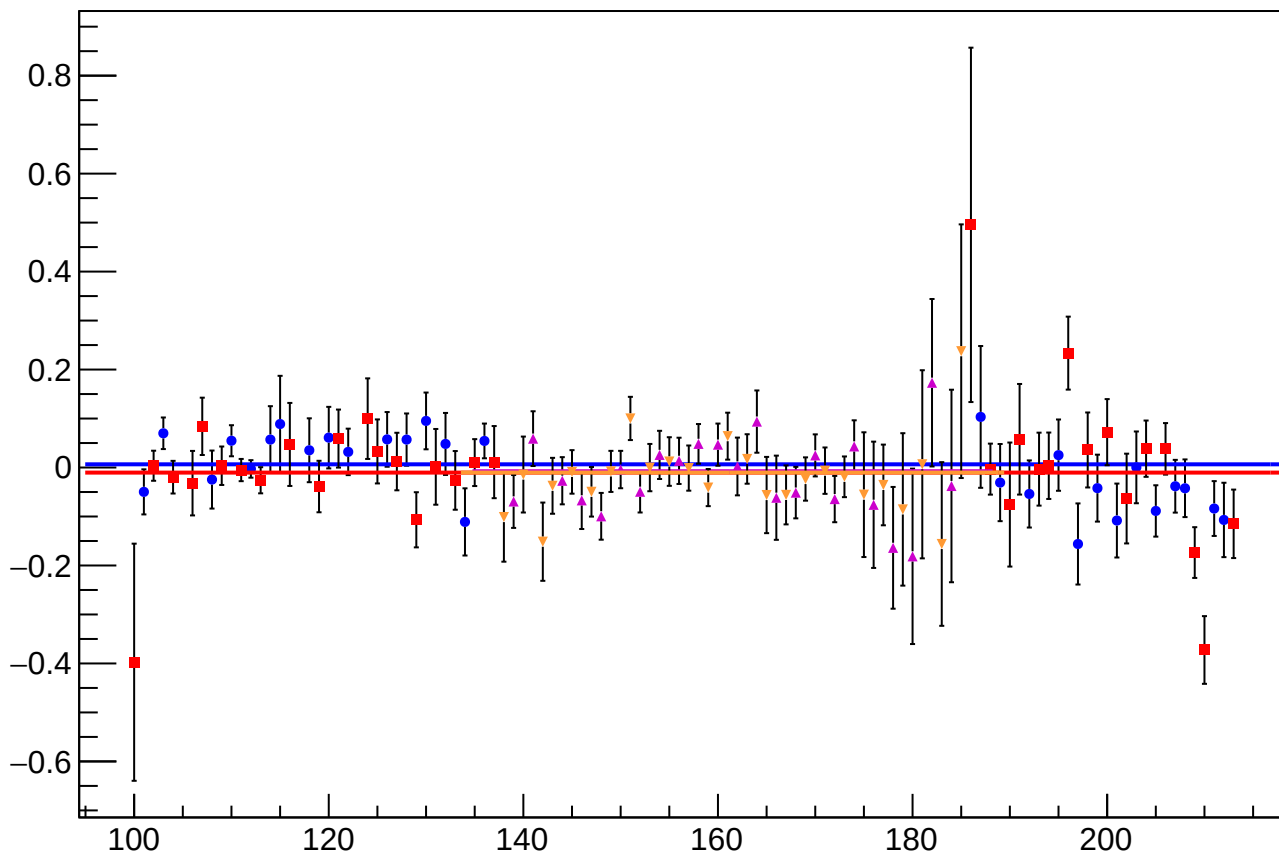
Left In: 45.217 $\pm$ 0.008 χ^2 /NDF: 2992534.4/22

+ sign 37.733 $\pm$ 0.005 χ^2 /NDF: 13328046.8/53

All: 37.980 $\pm$ 0.004 χ^2 /NDF: 25266596.9/110

- sign 38.227 $\pm$ 0.005 χ^2 /NDF: 11933665.4/56

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.009 $\chi^2/\text{NDF}: 37.7/28$

Left Out: -0.010 ± 0.011 $\chi^2/\text{NDF}: 18.1/24$

Right Out: -0.010 ± 0.009 $\chi^2/\text{NDF}: 70.6/33$

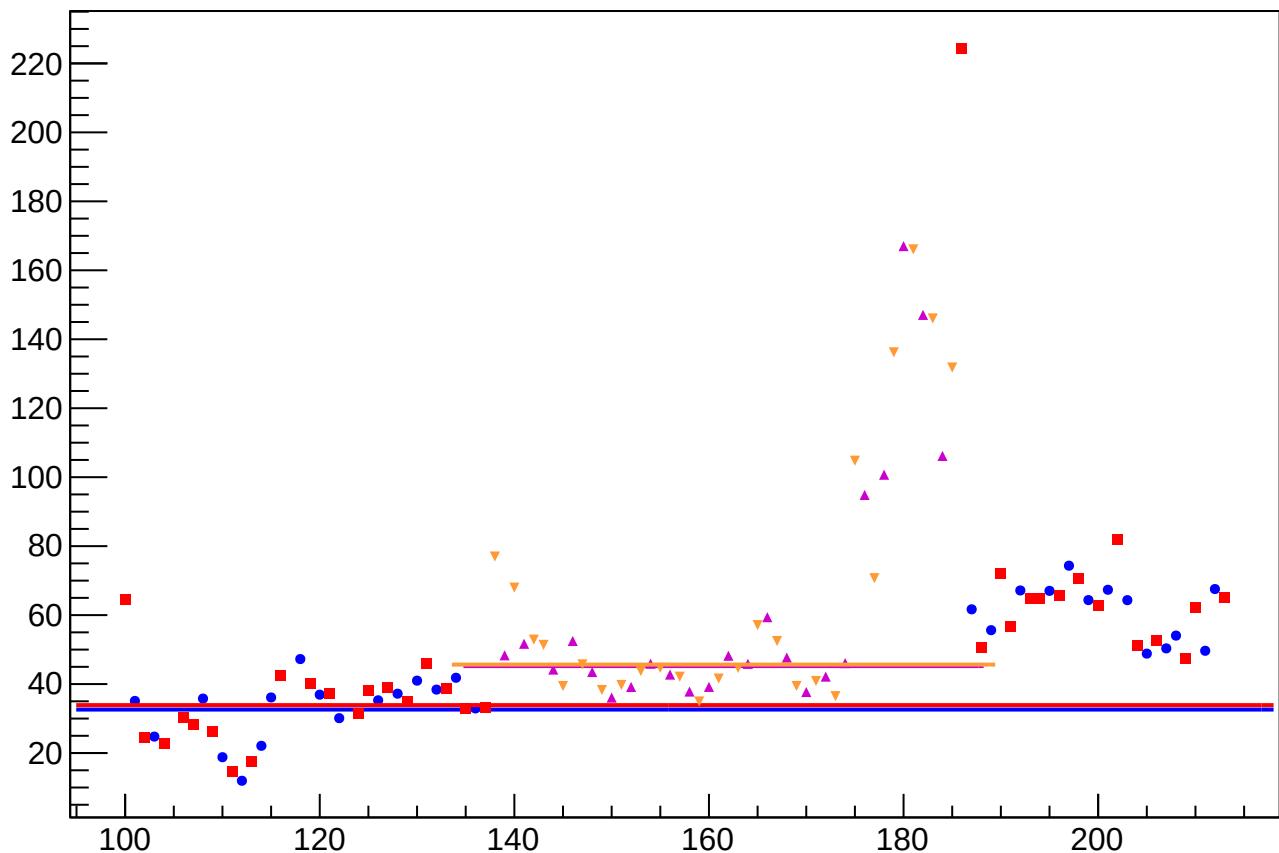
Left In: -0.008 ± 0.011 $\chi^2/\text{NDF}: 23.3/22$

+ sign -0.000 ± 0.007 $\chi^2/\text{NDF}: 57.1/53$

All: -0.005 ± 0.005 $\chi^2/\text{NDF}: 151.9/110$

- sign -0.009 ± 0.007 $\chi^2/\text{NDF}: 94.0/56$

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.606 $\pm$ 0.006 χ^2 /NDF: 7688158.2/28

Left Out: 45.650 $\pm$ 0.008 χ^2 /NDF: 4015230.2/24

Right Out: 33.899 $\pm$ 0.006 χ^2 /NDF: 7727030.3/33

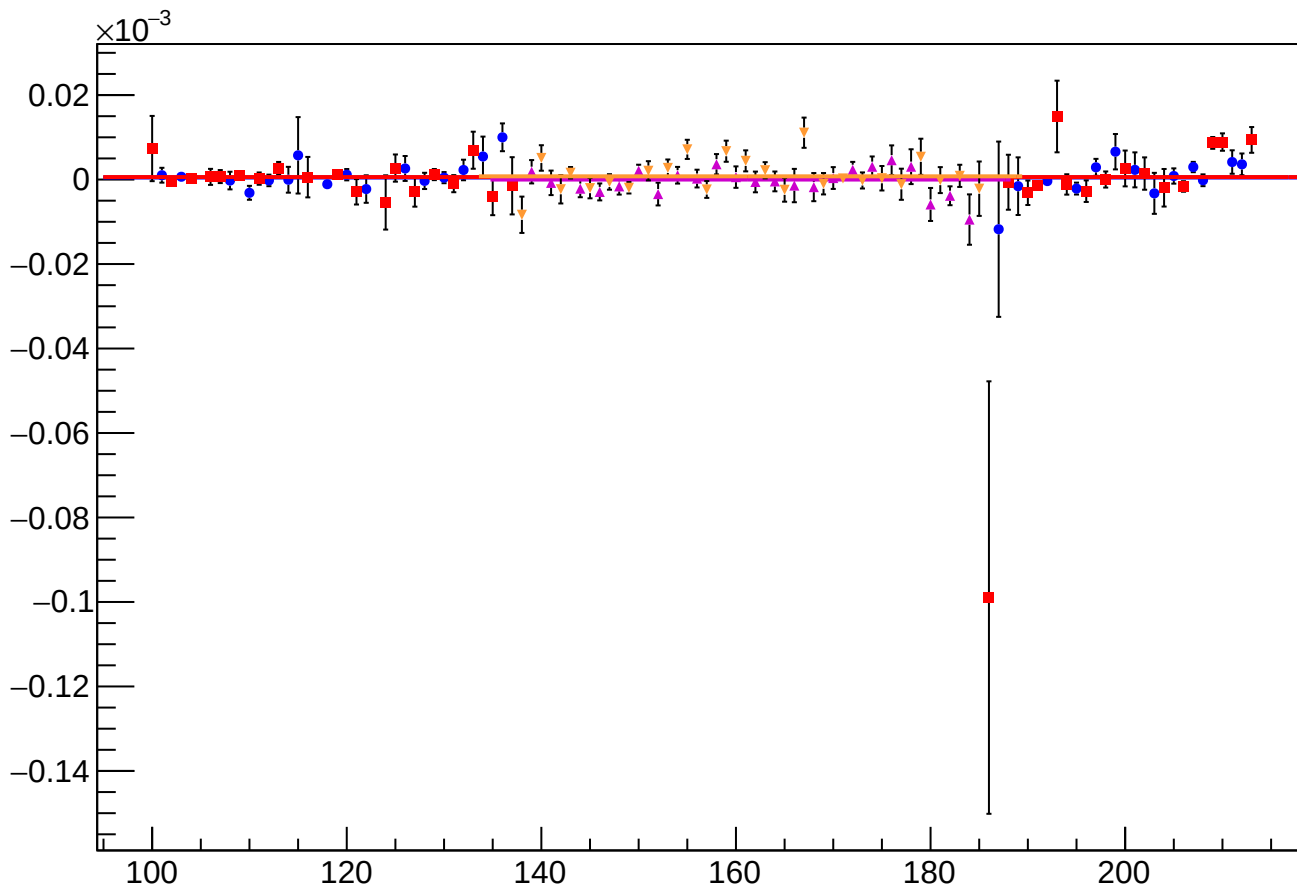
Left In: 45.217 $\pm$ 0.008 χ^2 /NDF: 2992534.4/22

+ sign 37.733 $\pm$ 0.005 χ^2 /NDF: 13328046.8/53

All: 37.980 $\pm$ 0.004 χ^2 /NDF: 25266596.9/110

- sign 38.227 $\pm$ 0.005 χ^2 /NDF: 11933665.4/56

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.0/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:46.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 91.3/33

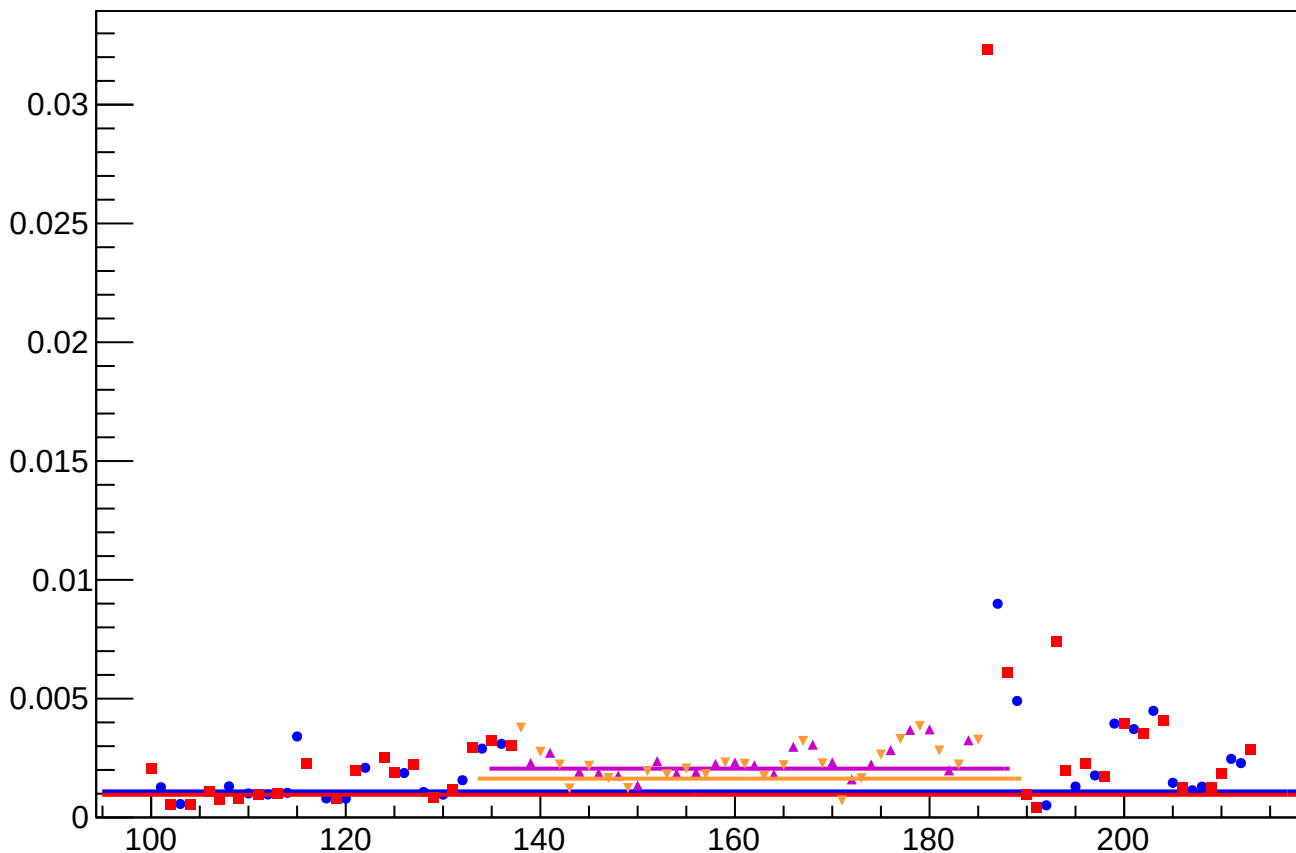
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 82.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 199.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 116.8/56

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 8456423.7/28

Left Out: 0.002+/-0.000 χ^2/NDF : 6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 13232801.7/33

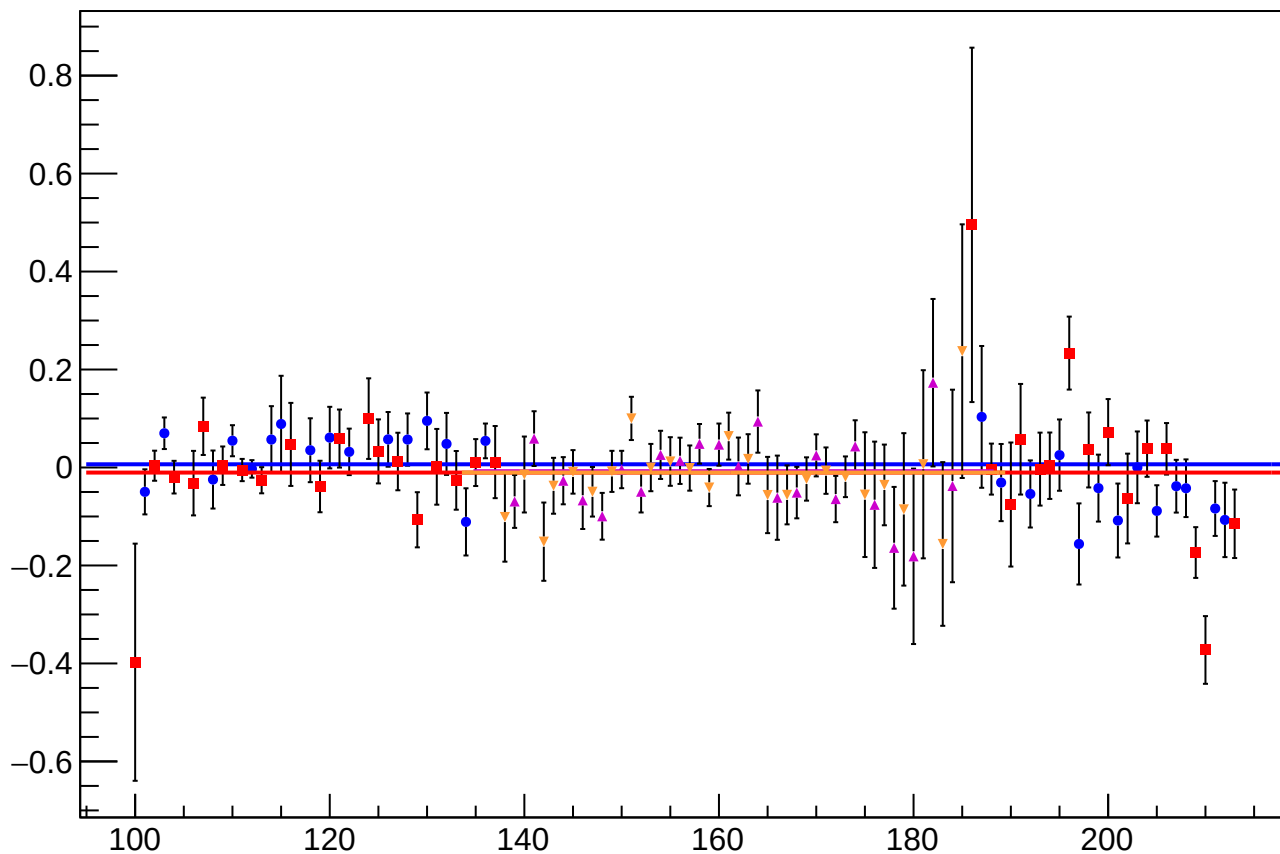
Left In: 0.002+/-0.000 χ^2/NDF : 2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 17083520.4/53

All: 0.001+/-0.000 χ^2/NDF : 39838721.1/110

- sign 0.001+/-0.000 χ^2/NDF : 22652370.3/56

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.009 χ^2/NDF : 37.7/28

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.010 ± 0.009 χ^2/NDF : 70.6/33

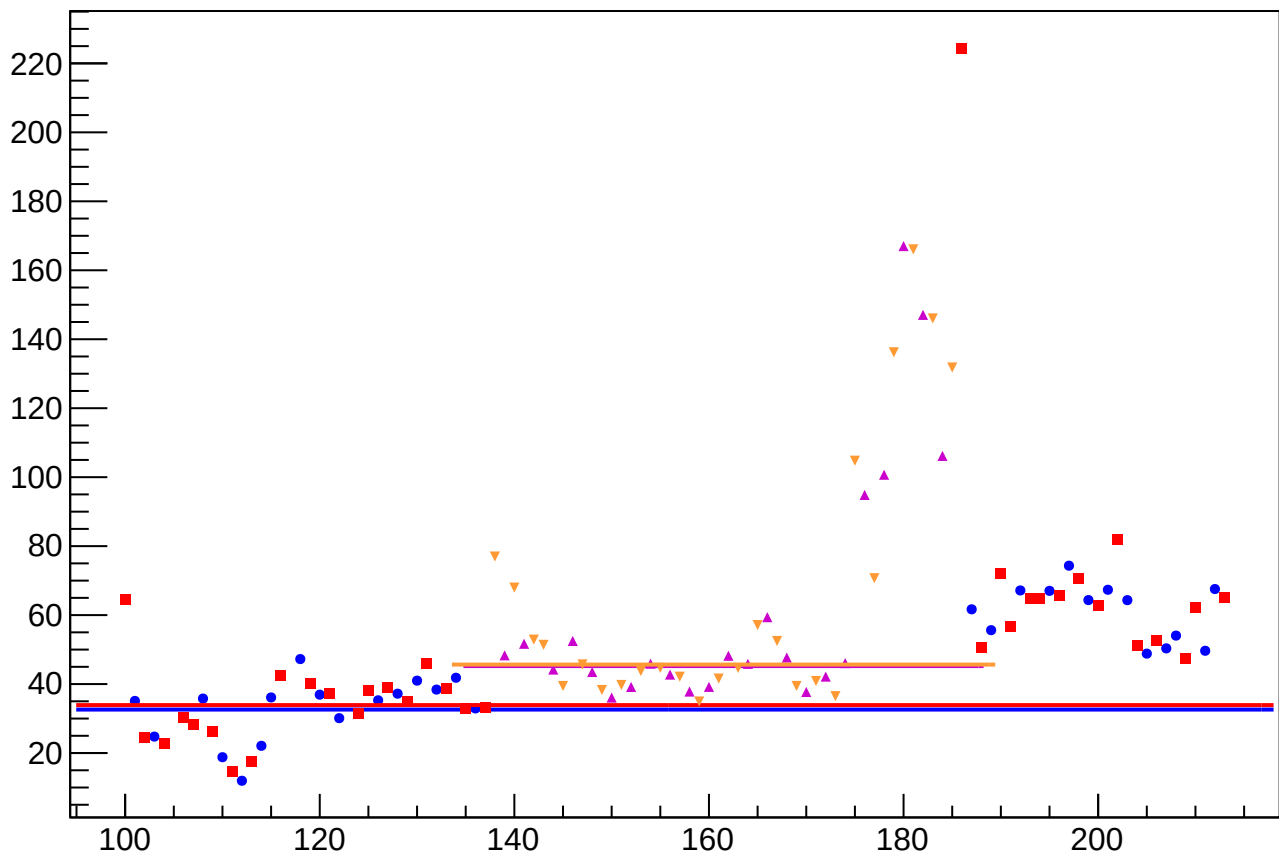
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign -0.000 ± 0.007 χ^2/NDF : 57.1/53

All: -0.005 ± 0.005 χ^2/NDF : 151.9/110

- sign -0.009 ± 0.007 χ^2/NDF : 94.0/56

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.605 $\pm$ 0.006 χ^2 /NDF: 7688455.9/28

Left Out: 45.651 $\pm$ 0.008 χ^2 /NDF: 4015154.4/24

Right Out: 33.899 $\pm$ 0.006 χ^2 /NDF: 7727280.4/33

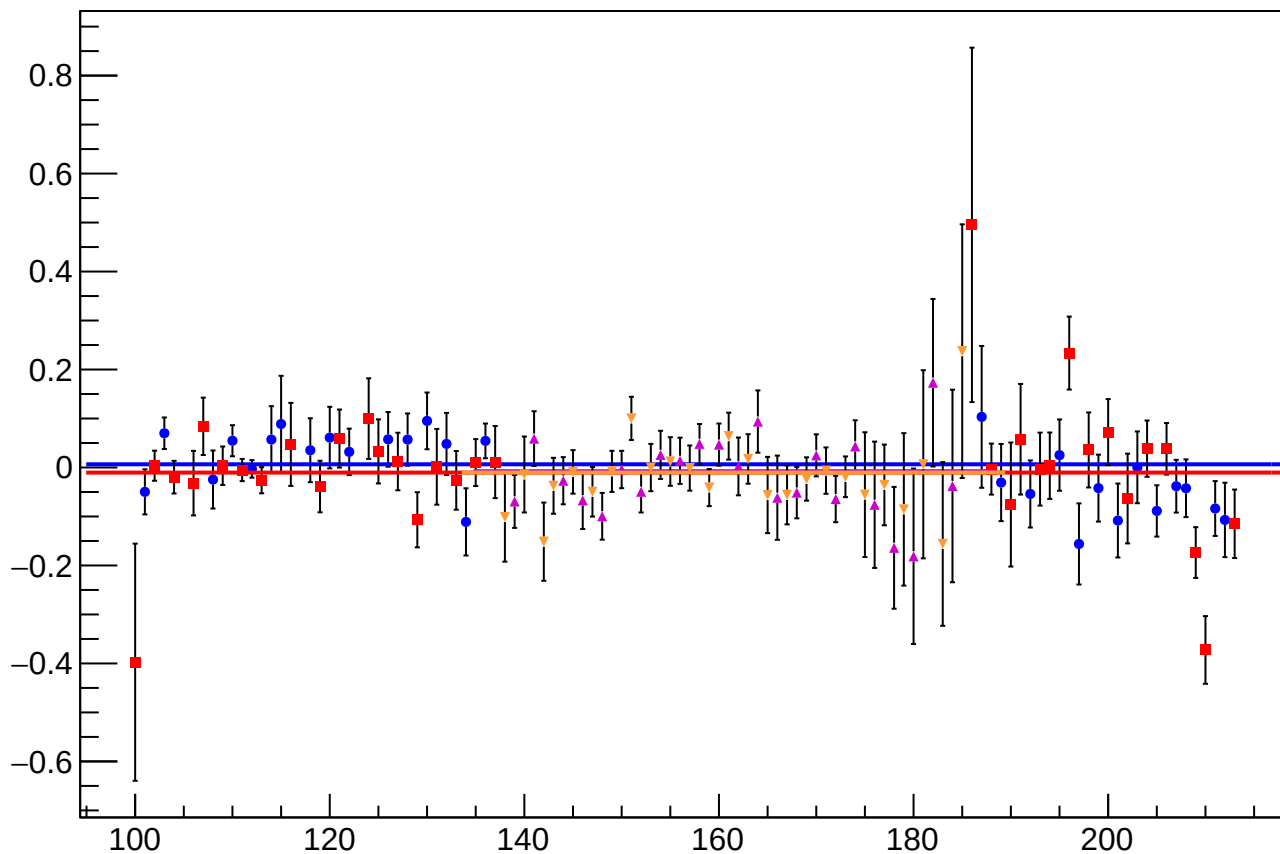
Left In: 45.218 $\pm$ 0.008 χ^2 /NDF: 2992449.1/22

+ sign 37.733 $\pm$ 0.005 χ^2 /NDF: 13328519.3/53

All: 37.980 $\pm$ 0.004 χ^2 /NDF: 25267421.9/110

- sign 38.227 $\pm$ 0.005 χ^2 /NDF: 11934015.1/56

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.009 $\chi^2/\text{NDF}: 37.7/28$

Left Out: -0.010 ± 0.011 $\chi^2/\text{NDF}: 18.1/24$

Right Out: -0.010 ± 0.009 $\chi^2/\text{NDF}: 70.6/33$

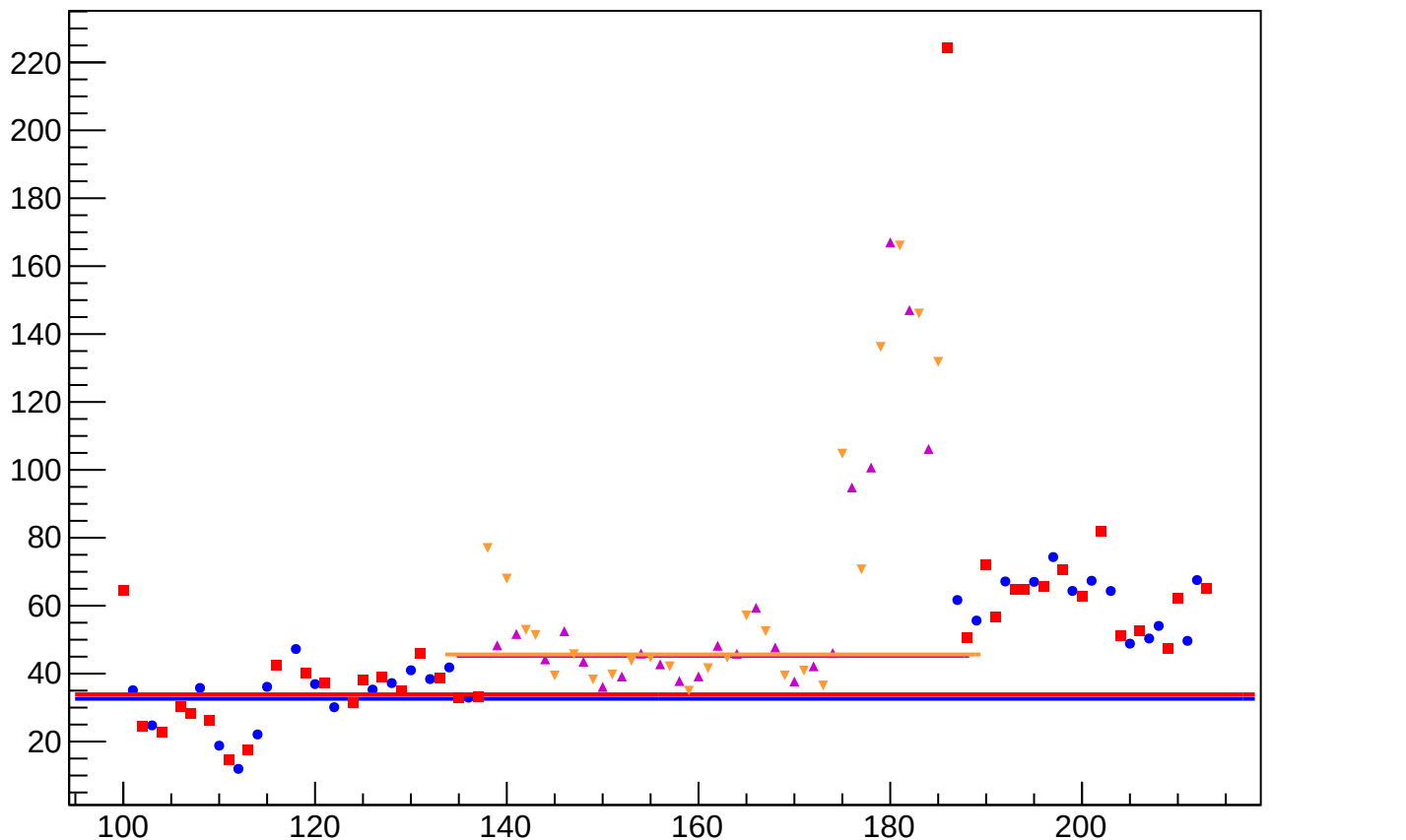
Left In: -0.008 ± 0.011 $\chi^2/\text{NDF}: 23.3/22$

+ sign -0.000 ± 0.007 $\chi^2/\text{NDF}: 57.1/53$

All: -0.005 ± 0.005 $\chi^2/\text{NDF}: 151.9/110$

- sign -0.009 ± 0.007 $\chi^2/\text{NDF}: 94.0/56$

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.605 $\pm$ 0.006 χ^2 /NDF: 7688455.9/28

Left Out: 45.651 $\pm$ 0.008 χ^2 /NDF: 4015154.4/24

Right Out: 33.899 $\pm$ 0.006 χ^2 /NDF: 7727280.4/33

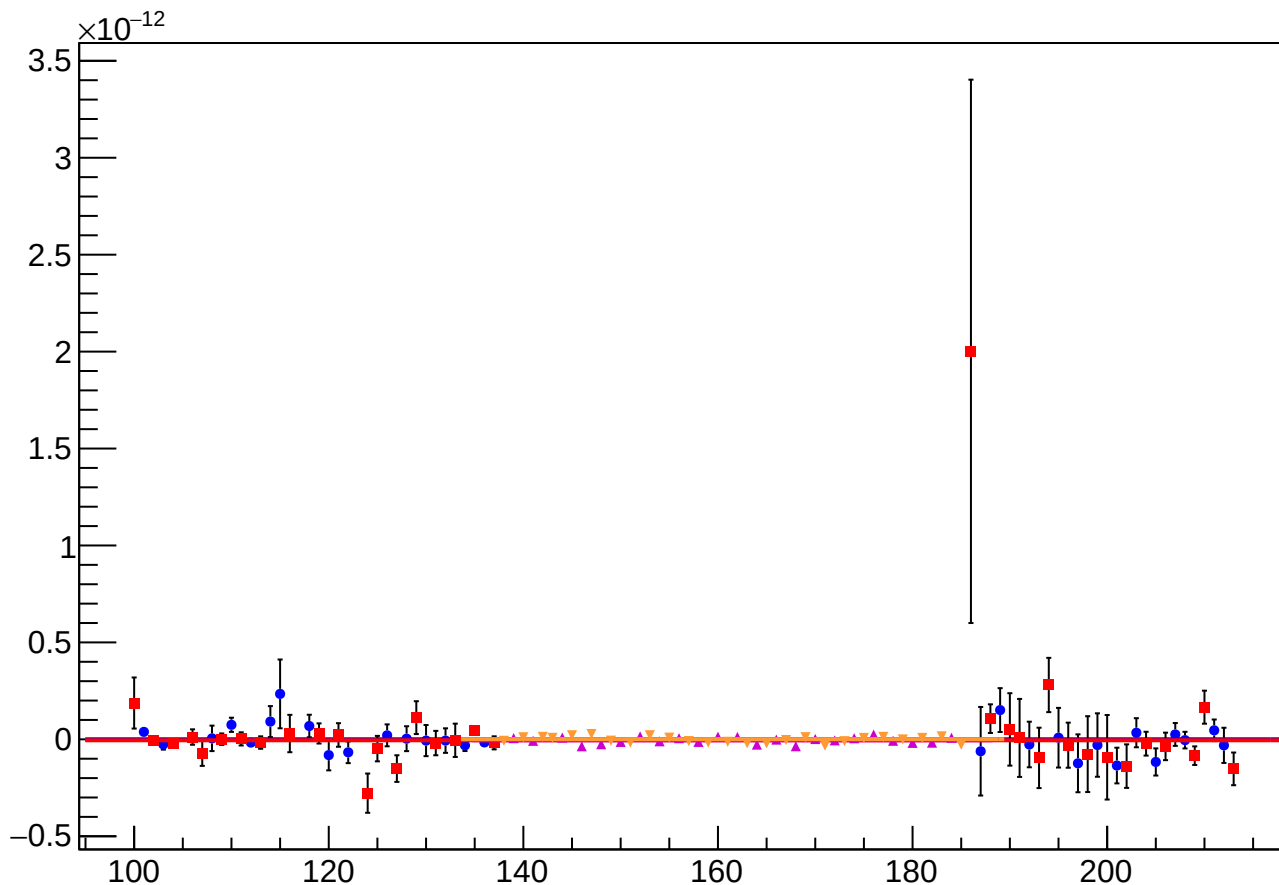
Left In: 45.218 $\pm$ 0.008 χ^2 /NDF: 2992449.1/22

+ sign 37.733 $\pm$ 0.005 χ^2 /NDF: 13328519.3/53

All: 37.980 $\pm$ 0.004 χ^2 /NDF: 25267421.9/110

- sign 38.227 $\pm$ 0.005 χ^2 /NDF: 11934015.1/56

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 27.5/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 44.3/33

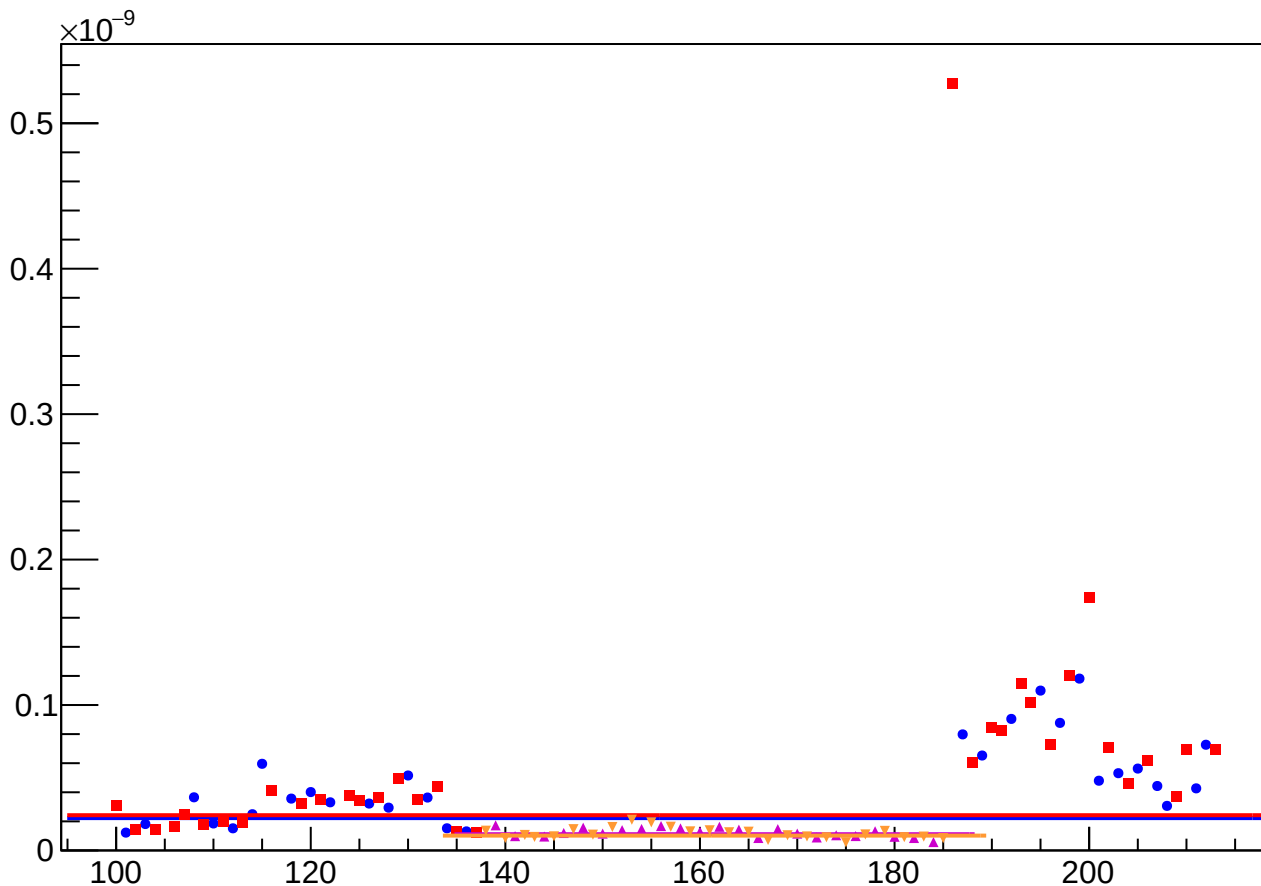
Left In: -0.000 ± 0.000 χ^2/NDF : 23.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 52.9/53

All: -0.000 ± 0.000 χ^2/NDF : 122.8/110

- sign -0.000 ± 0.000 χ^2/NDF : 68.0/56

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7413261.1/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8885140.3/33

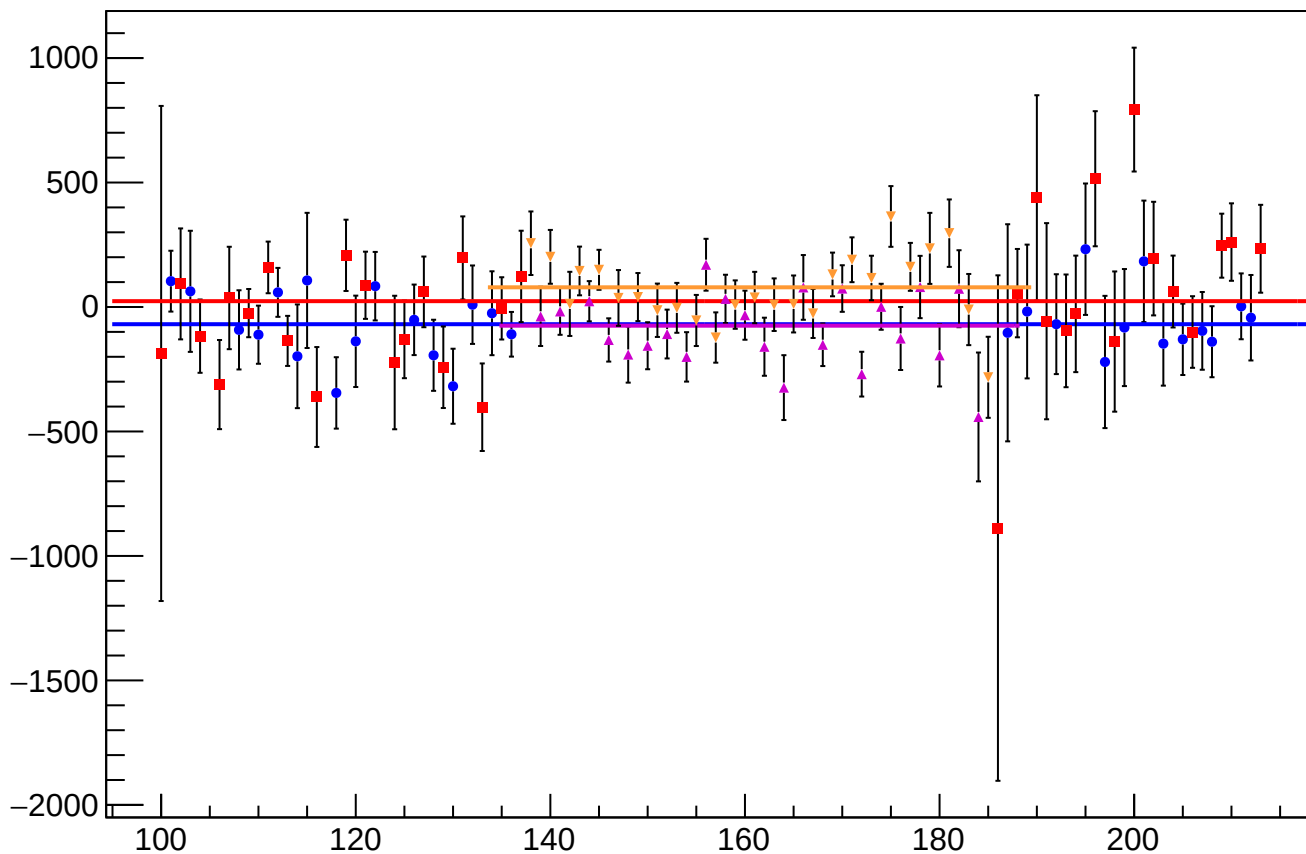
Left In: 0.000+/-0.000 χ^2/NDF : 1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 13605890.0/53

All: 0.000+/-0.000 χ^2/NDF : 28303022.8/110

- sign 0.000+/-0.000 χ^2/NDF : 14533865.8/56

reg_asym_sam_3748_avg_mean vs Slug



Right In: -69.124 ± 29.073 χ^2/NDF : 17.8/28

Left Out: 79.098 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 23.446 ± 28.543 χ^2/NDF : 49.9/33

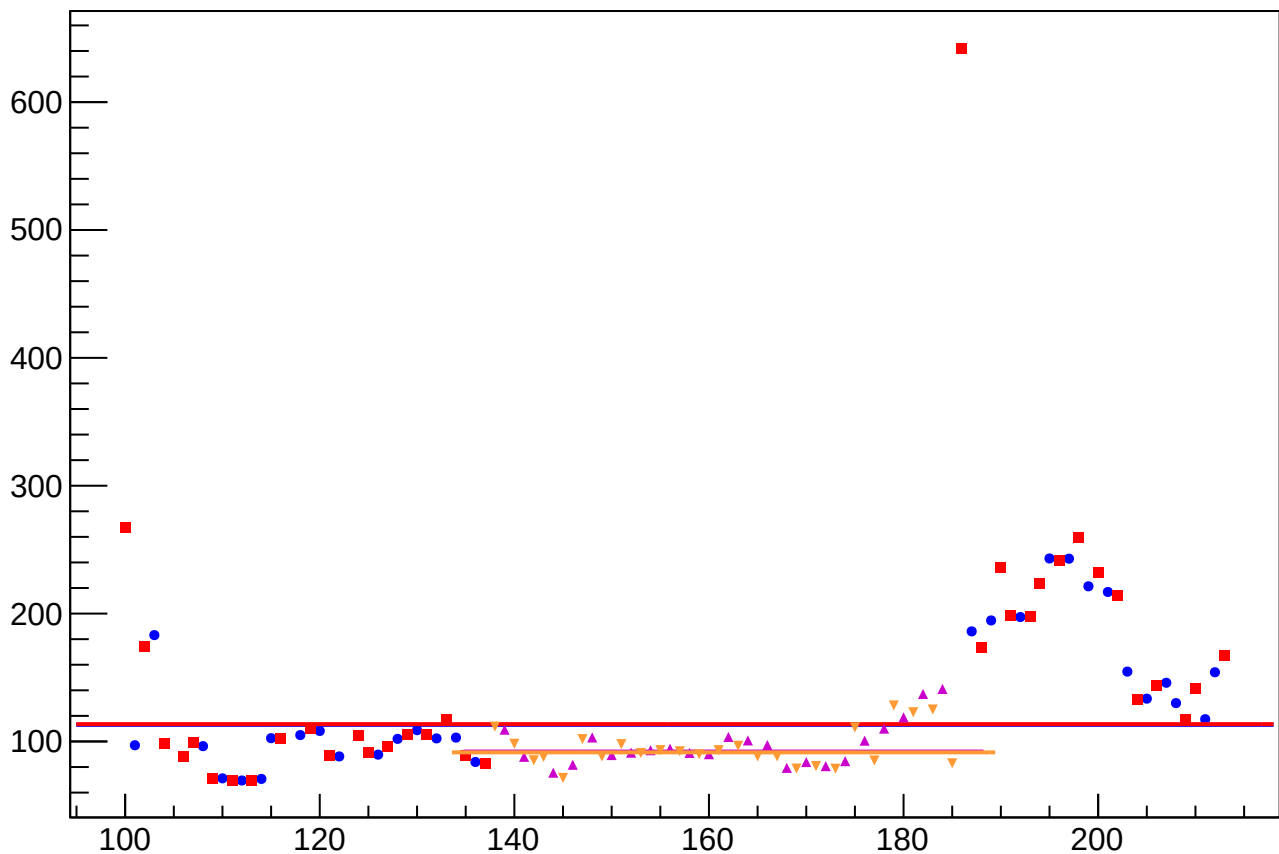
Left In: -75.048 ± 21.837 χ^2/NDF : 32.6/22

+ sign 27.953 ± 17.078 χ^2/NDF : 66.8/53

All: -4.851 ± 12.169 χ^2/NDF : 164.4/110

- sign -38.683 ± 17.343 χ^2/NDF : 90.1/56

reg_asym_sam_3748_avg_rms vs Slug



Right In: 112.981 $\pm$ 0.021 χ^2 /NDF: 4065892.0/28

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 113.533 $\pm$ 0.020 χ^2 /NDF: 5650313.6/33

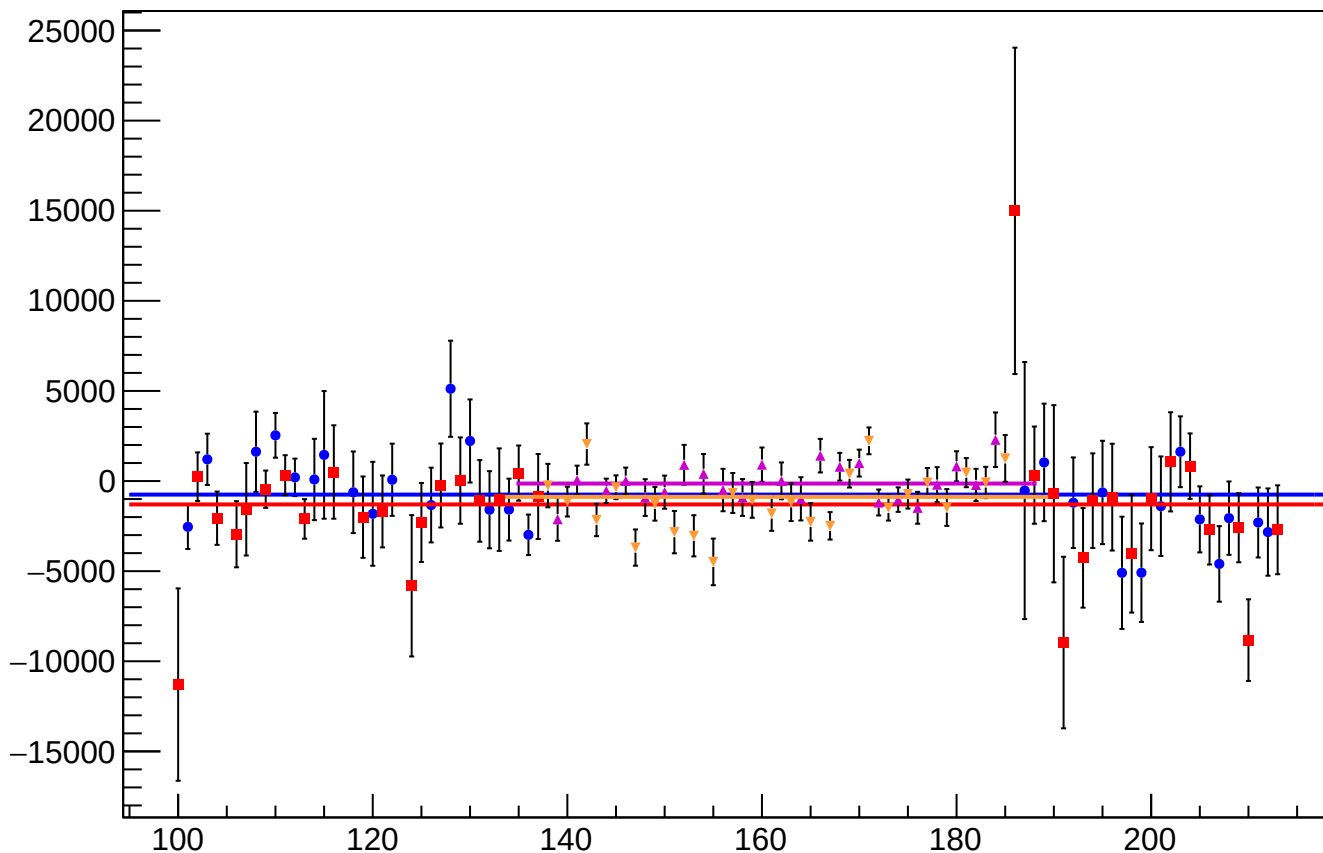
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 98.887 $\pm$ 0.012 χ^2 /NDF: 5534786.8/53

All: 99.442 $\pm$ 0.009 χ^2 /NDF: 12600302.9/110

- sign 100.014 $\pm$ 0.012 χ^2 /NDF: 7061232.5/56

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -751.985+/-355.688 χ^2/NDF : 36.8/28

Left Out: -878.463+/-182.188 χ^2/NDF : 67.7/24

Right Out: -1298.207+/-344.941 χ^2/NDF : 35.8/33

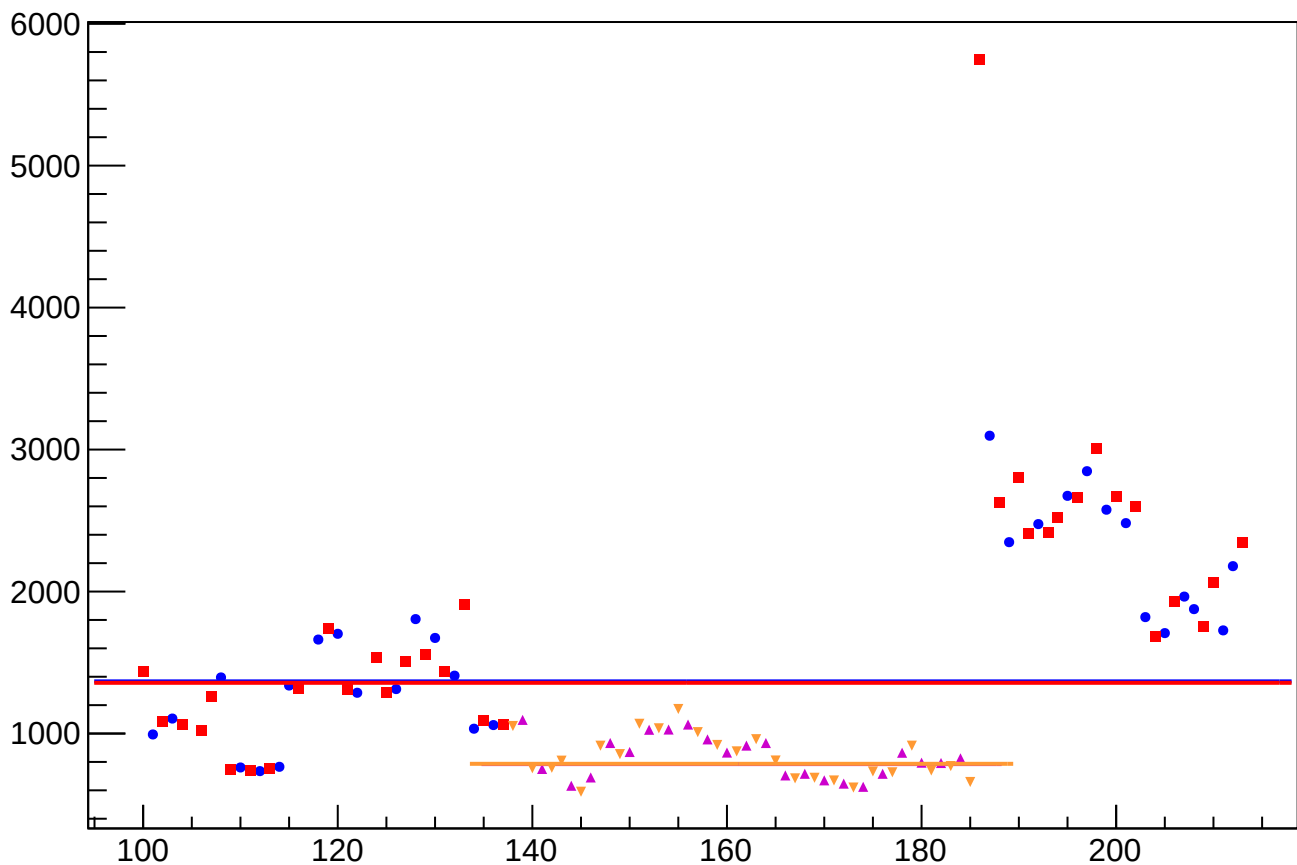
Left In: -138.728+/-186.573 χ^2/NDF : 24.2/22

+ sign -852.177+/-162.154 χ^2/NDF : 104.6/53

All: -629.368+/-115.344 χ^2/NDF : 177.2/110

- sign -401.163+/-164.106 χ^2/NDF : 68.8/56

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1367.433+/-0.252 χ^2/NDF : 5019504.4/28

Left Out: 786.758+/-0.129 χ^2/NDF : 1210893.0/24

Right Out: 1357.358+/-0.244 χ^2/NDF : 6835941.7/33

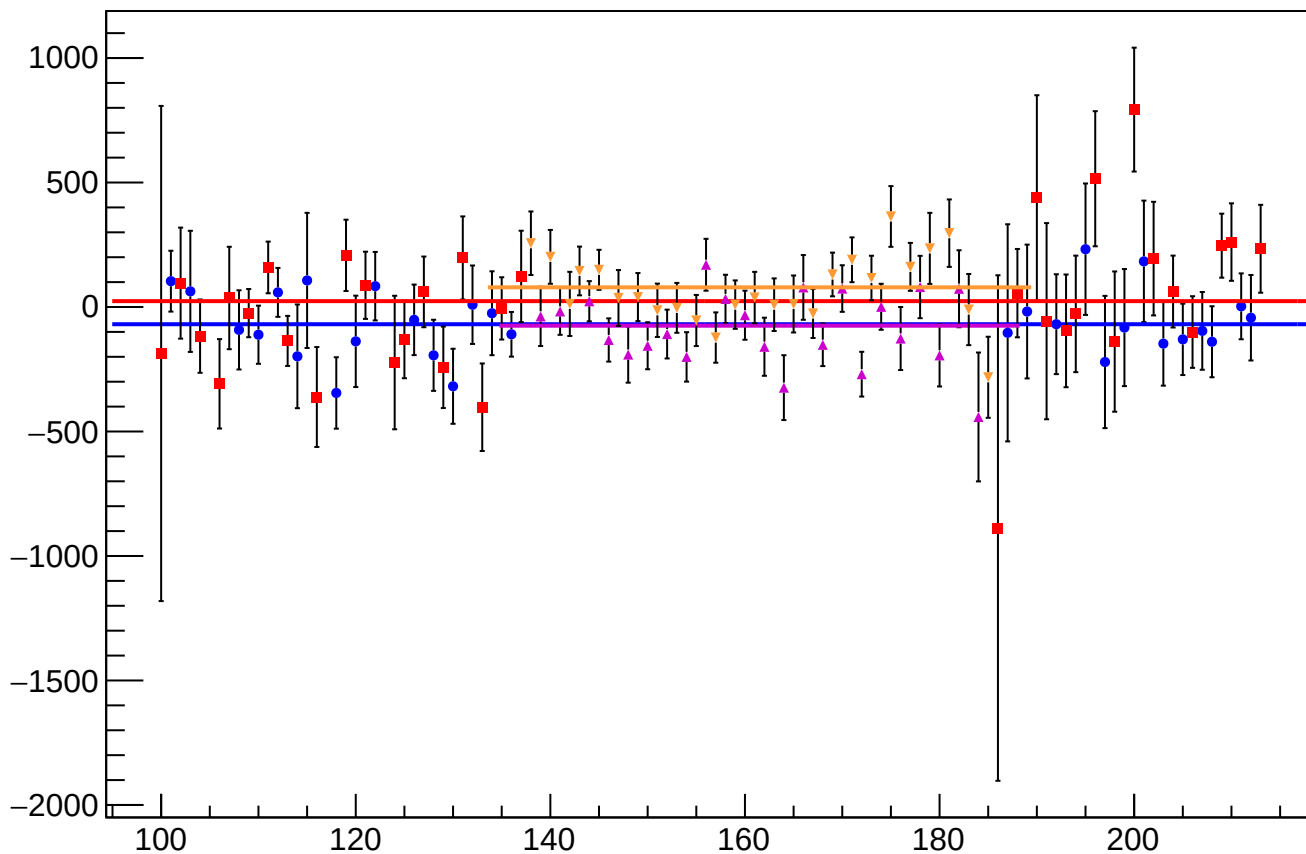
Left In: 784.833+/-0.132 χ^2/NDF : 1063747.2/22

+ sign 907.442+/-0.115 χ^2/NDF : 10452938.1/53

All: 910.888+/-0.082 χ^2/NDF : 22617091.3/115

- sign 914.418+/-0.116 χ^2/NDF : 12162324.8/56

cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.134 ± 29.073 χ^2/NDF : 17.8/28

Left Out: 79.106 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 23.625 ± 28.545 χ^2/NDF : 49.9/33

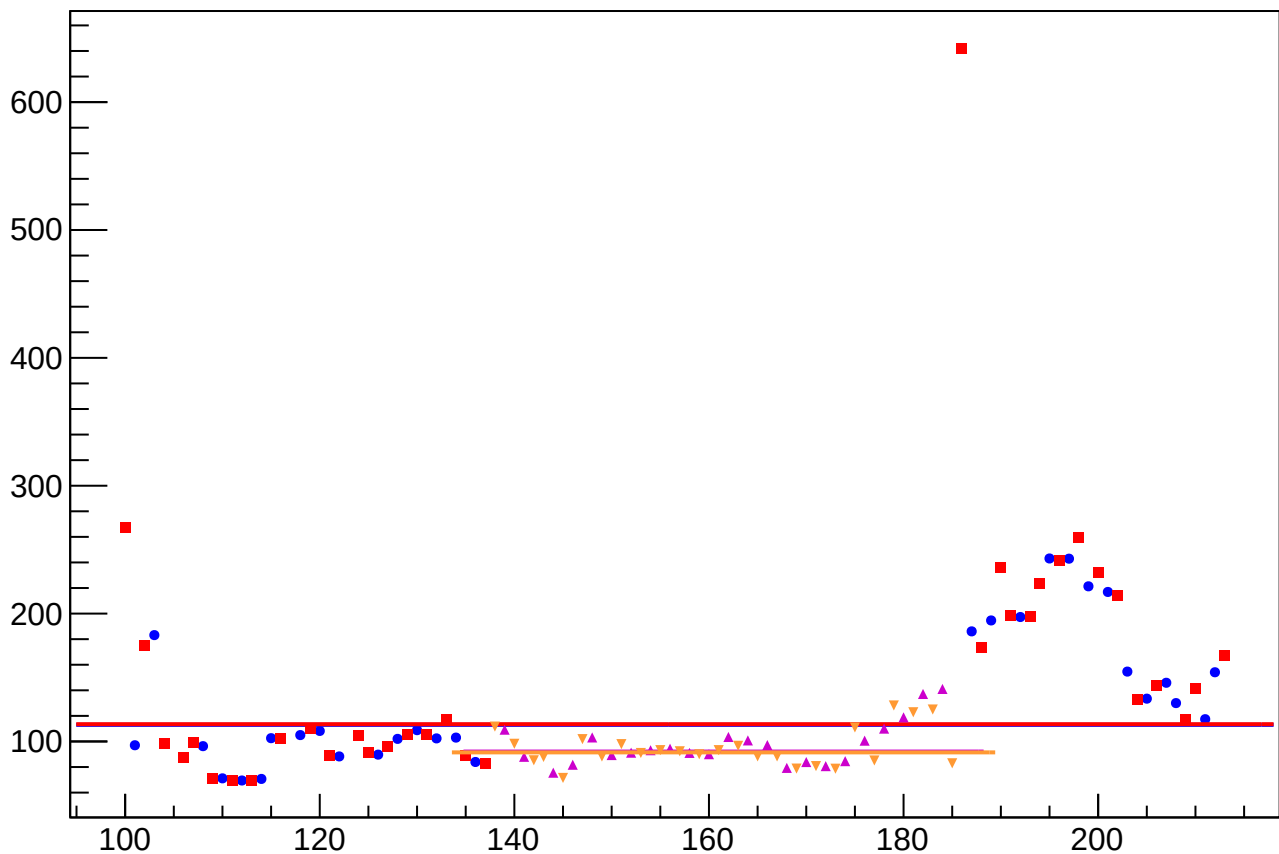
Left In: -75.049 ± 21.837 χ^2/NDF : 32.6/22

+ sign 27.955 ± 17.078 χ^2/NDF : 66.8/53

All: -4.818 ± 12.169 χ^2/NDF : 164.3/110

- sign -38.621 ± 17.344 χ^2/NDF : 90.0/56

cor_asym_sam_3748_avg_rms vs Slug



Right In: 112.981 $\pm$ 0.021 χ^2 /NDF: 4065895.0/28

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 113.504 $\pm$ 0.020 χ^2 /NDF: 5654461.0/33

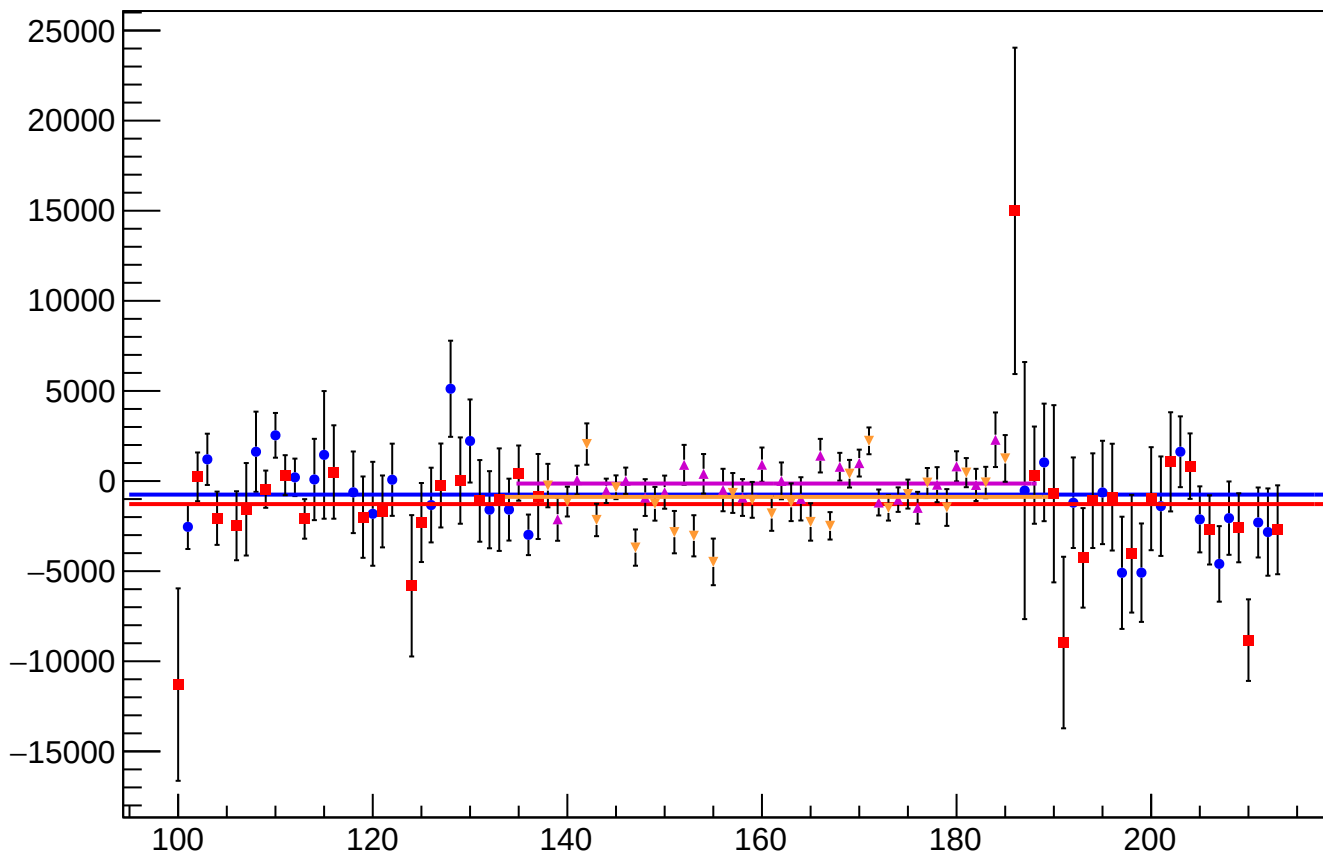
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 98.887 $\pm$ 0.012 χ^2 /NDF: 5534789.9/53

All: 99.436 $\pm$ 0.009 χ^2 /NDF: 12602367.5/110

- sign 100.002 $\pm$ 0.012 χ^2 /NDF: 7063381.4/56

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -752.004+/-355.690 χ^2/NDF : 36.8/28

Left Out: -878.453+/-182.188 χ^2/NDF : 67.7/24

Right Out: -1278.643+/-345.456 χ^2/NDF : 35.4/33

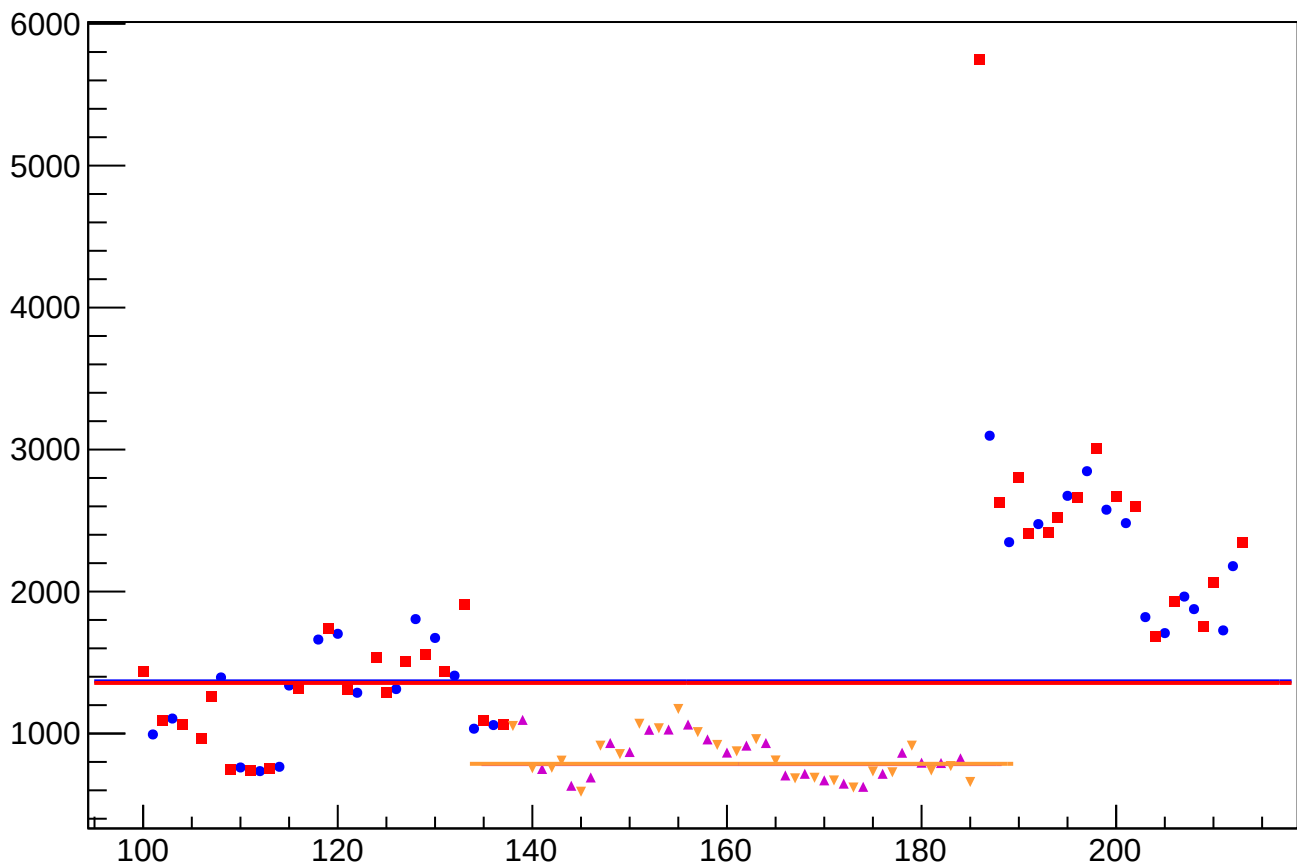
Left In: -138.730+/-186.573 χ^2/NDF : 24.2/22

+ sign -852.173+/-162.154 χ^2/NDF : 104.6/53

All: -626.963+/-115.363 χ^2/NDF : 176.5/110

- sign -396.141+/-164.162 χ^2/NDF : 68.0/56

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1367.443 $\pm$ 0.252 χ^2 /NDF: 5019440.8/28

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1356.545 $\pm$ 0.244 χ^2 /NDF: 6852446.1/33

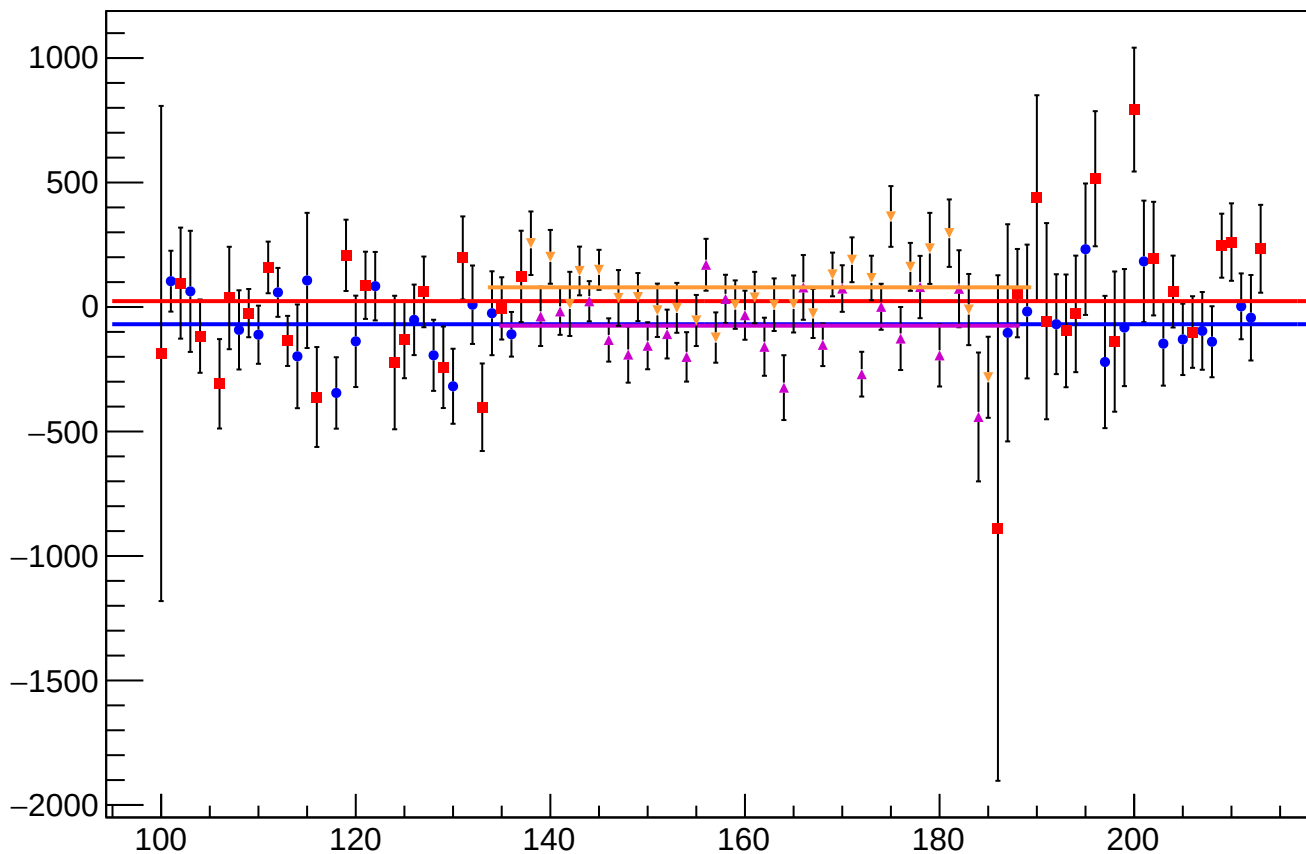
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 907.443 $\pm$ 0.115 χ^2 /NDF: 10452977.3/53

All: 910.649 $\pm$ 0.082 χ^2 /NDF: 22611497.1/11

- sign 913.936 $\pm$ 0.116 χ^2 /NDF: 12156936.2/56

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.134 ± 29.073 χ^2/NDF : 17.8/28

Left Out: 79.106 ± 21.102 χ^2/NDF : 32.0/24

Right Out: 23.625 ± 28.545 χ^2/NDF : 49.9/33

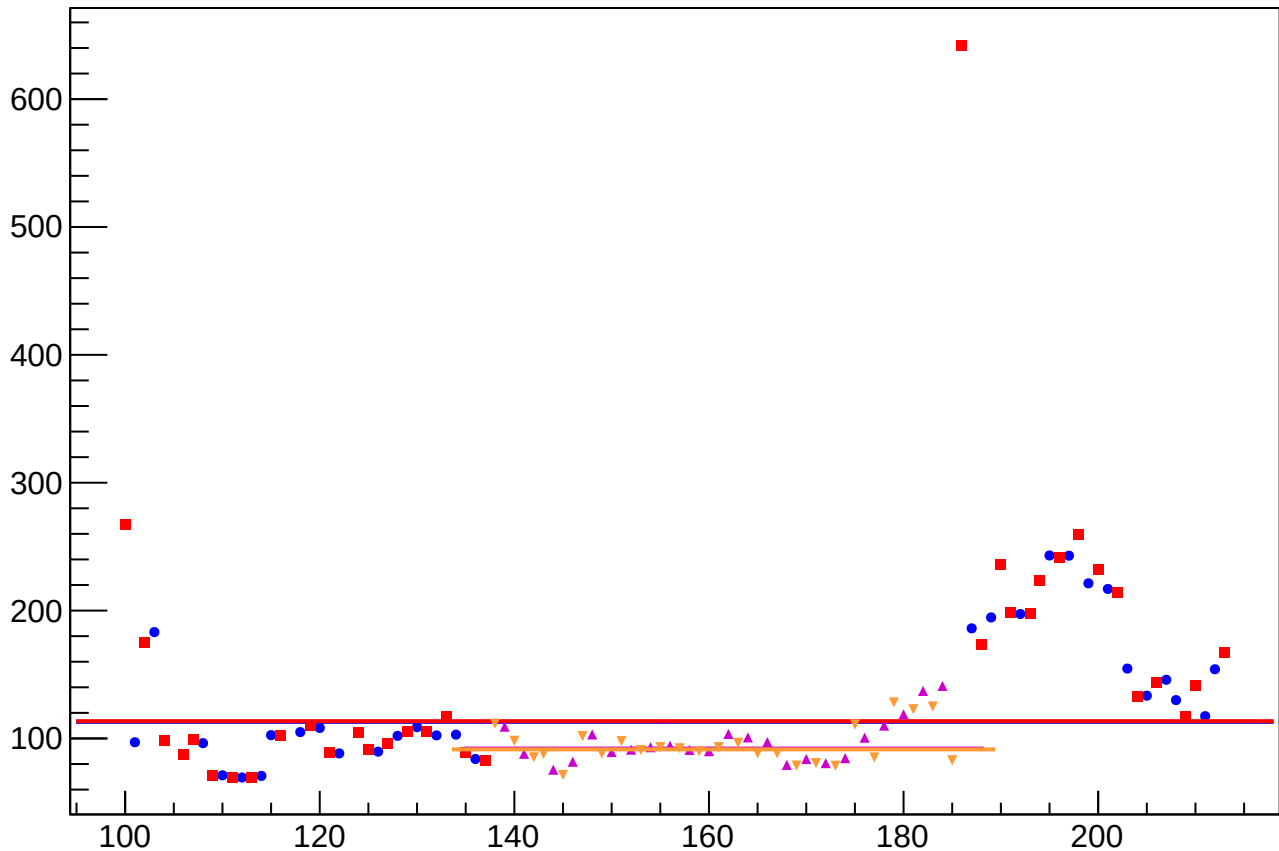
Left In: -75.049 ± 21.837 χ^2/NDF : 32.6/22

+ sign 27.955 ± 17.078 χ^2/NDF : 66.8/53

All: -4.818 ± 12.169 χ^2/NDF : 164.3/110

- sign -38.621 ± 17.344 χ^2/NDF : 90.0/56

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 112.981 $\pm$ 0.021 χ^2 /NDF: 4065895.0/28

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 113.504 $\pm$ 0.020 χ^2 /NDF: 5654461.0/33

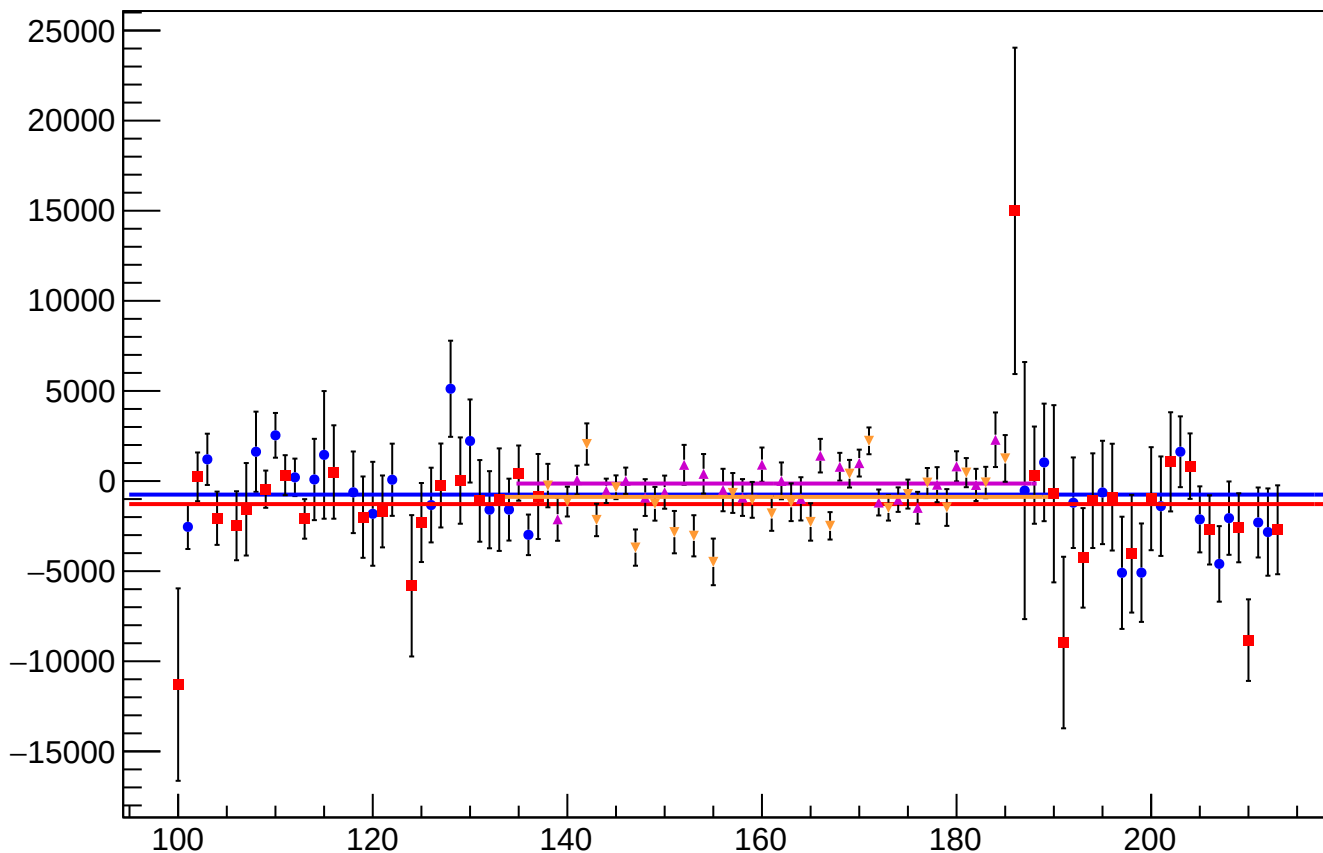
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 98.887 $\pm$ 0.012 χ^2 /NDF: 5534789.9/53

All: 99.436 $\pm$ 0.009 χ^2 /NDF: 12602367.5/110

- sign 100.002 $\pm$ 0.012 χ^2 /NDF: 7063381.4/56

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -752.004 $\pm$ 355.690 χ^2 /NDF: 36.8/28

Left Out: -878.453 $\pm$ 182.188 χ^2 /NDF: 67.7/24

Right Out: -1278.643 $\pm$ 345.456 χ^2 /NDF: 35.4/33

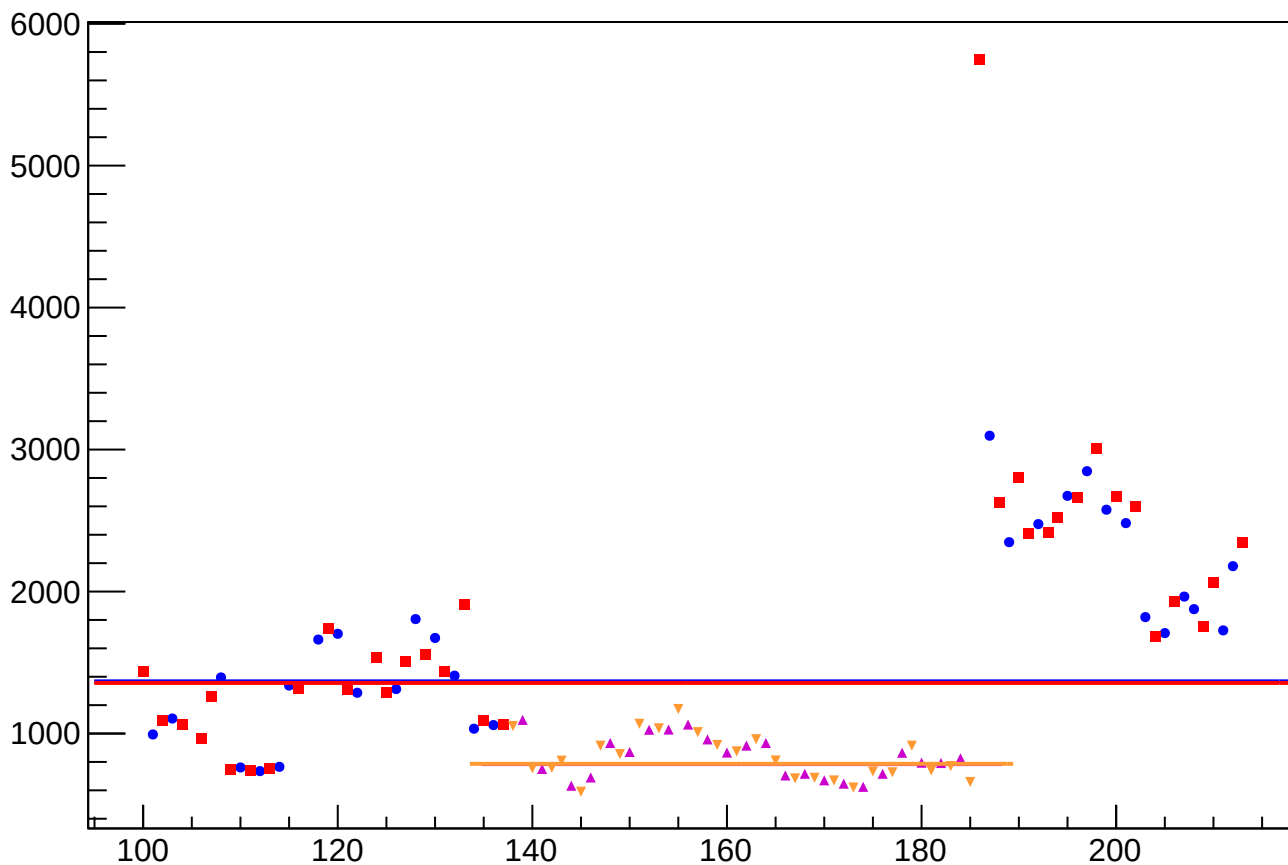
Left In: -138.730 $\pm$ 186.573 χ^2 /NDF: 24.2/22

+ sign -852.173 $\pm$ 162.154 χ^2 /NDF: 104.6/53

All: -626.963 $\pm$ 115.363 χ^2 /NDF: 176.5/110

- sign -396.141 $\pm$ 164.162 χ^2 /NDF: 68.0/56

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1367.443 $\pm$ 0.252 χ^2 /NDF: 5019440.8/28

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1356.545 $\pm$ 0.244 χ^2 /NDF: 6852446.1/33

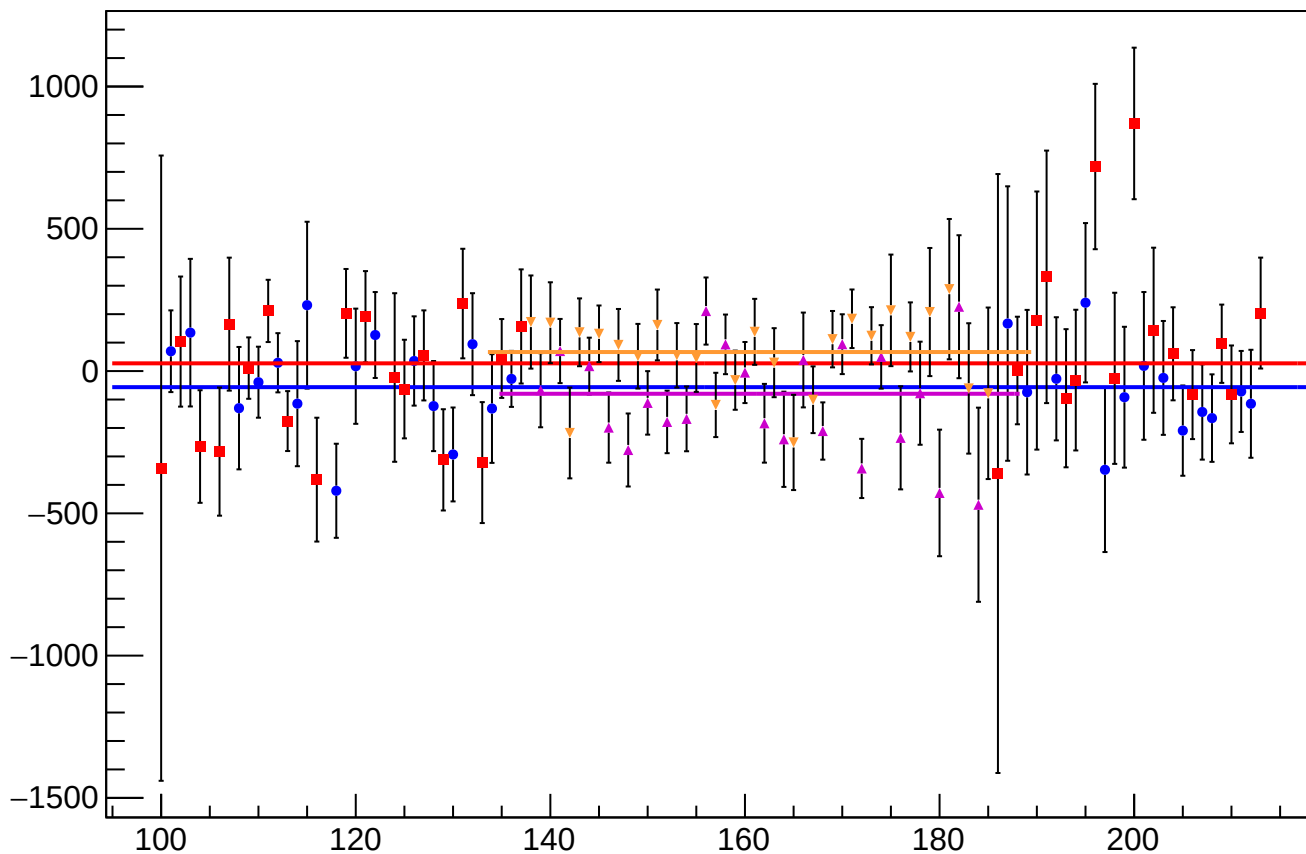
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 907.443 $\pm$ 0.115 χ^2 /NDF: 10452977.3/53

All: 910.649 $\pm$ 0.082 χ^2 /NDF: 22611497.1/11

- sign 913.936 $\pm$ 0.116 χ^2 /NDF: 12156936.2/56

dit_asym_sam_3748_avg_mean vs Slug



Right In: -56.534 ± 32.090 $\chi^2/\text{NDF}: 17.5/28$

Left Out: 66.896 ± 25.584 $\chi^2/\text{NDF}: 19.6/24$

Right Out: 27.173 ± 31.640 $\chi^2/\text{NDF}: 44.3/33$

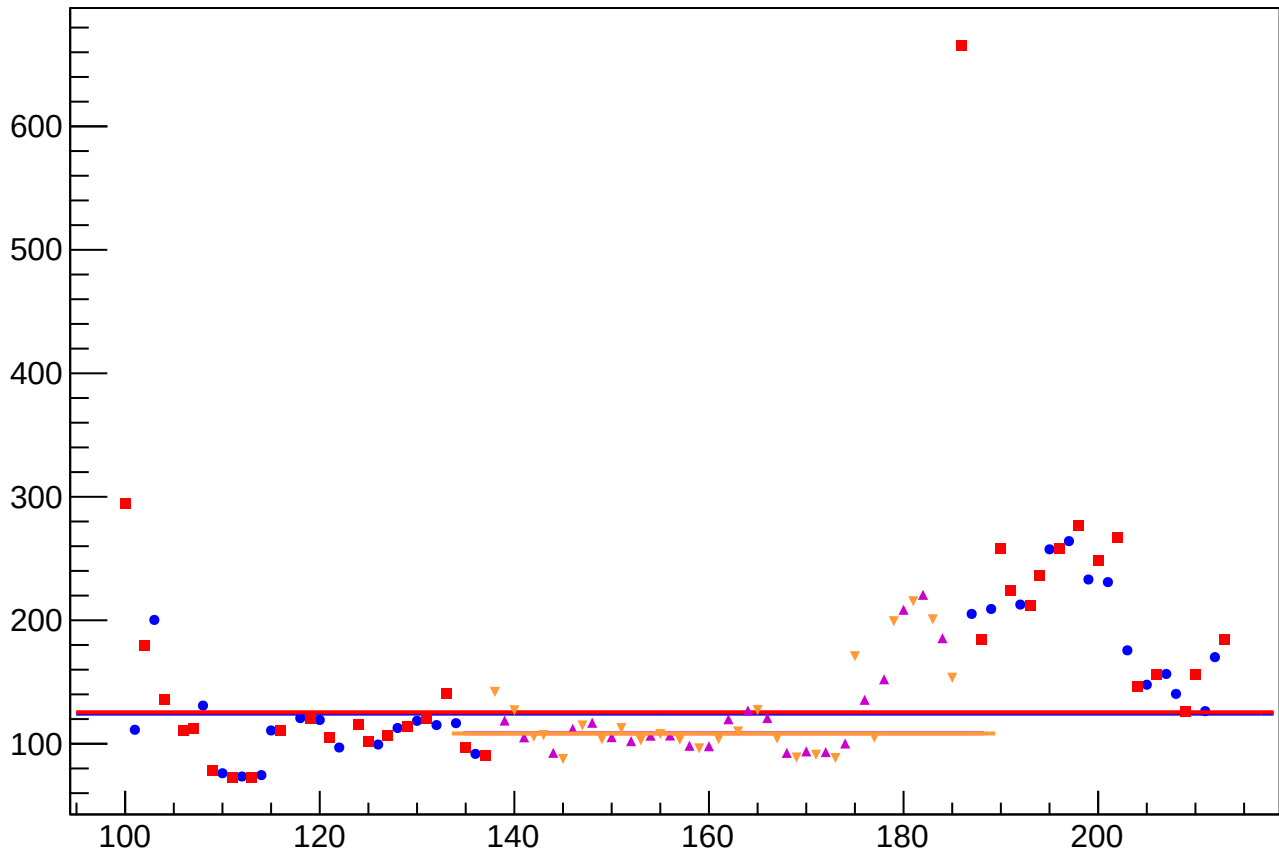
Left In: -79.766 ± 26.299 $\chi^2/\text{NDF}: 36.9/22$

+ sign 18.931 ± 20.004 $\chi^2/\text{NDF}: 46.1/53$

All: -8.270 ± 14.222 $\chi^2/\text{NDF}: 137.8/110$

- sign -36.072 ± 20.225 $\chi^2/\text{NDF}: 88.0/56$

dit_asym_sam_3748_avg_rms vs Slug



Right In: 124.403 $\pm$ 0.023 χ^2 /NDF: 4023461.8/28

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774599.9/24

Right Out: 125.502 $\pm$ 0.022 χ^2 /NDF: 5625230.9/33

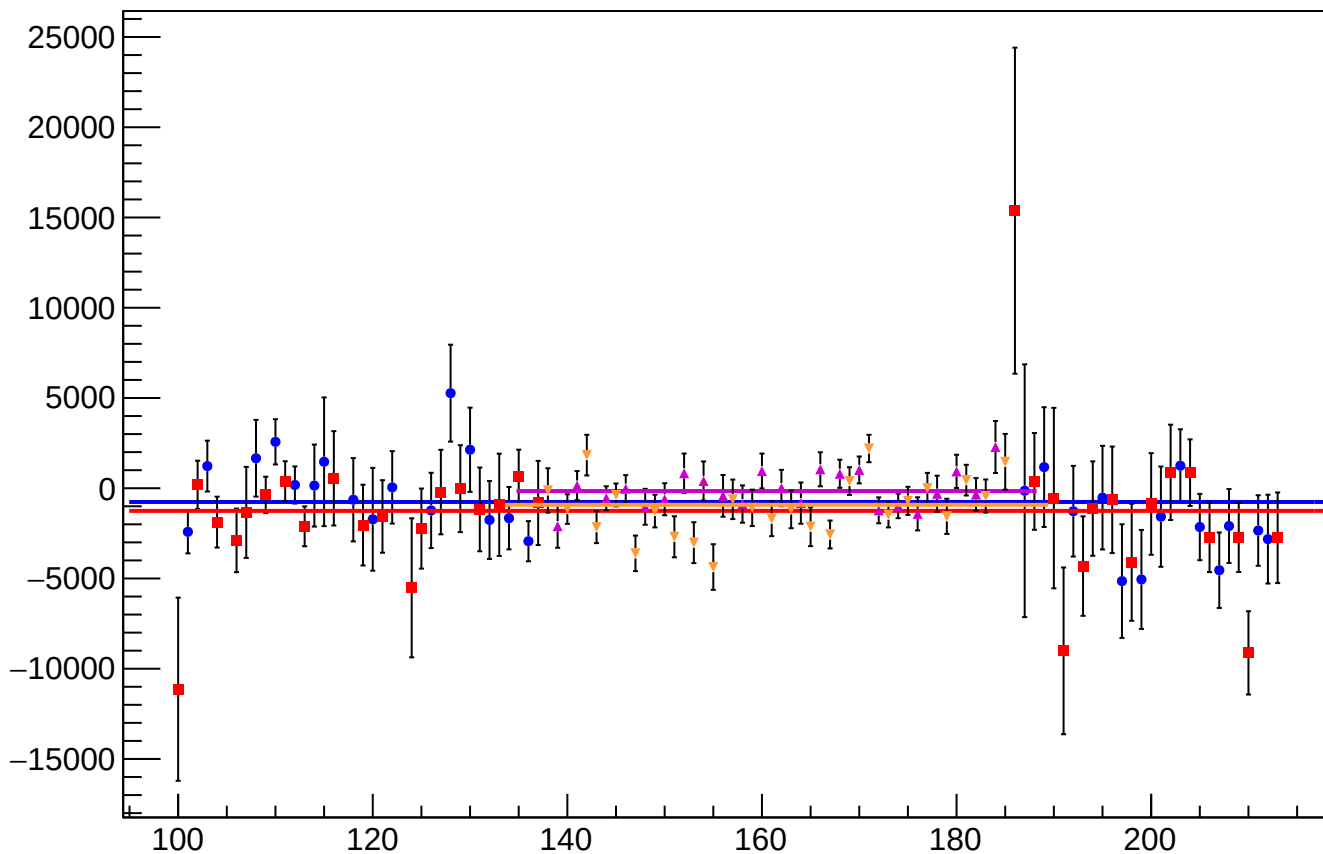
Left In: 108.492 $\pm$ 0.019 χ^2 /NDF: 1379398.3/22

+ sign 114.576 $\pm$ 0.014 χ^2 /NDF: 6104816.4/53

All: 115.004 $\pm$ 0.010 χ^2 /NDF: 13453132.5/11

- sign 115.442 $\pm$ 0.014 χ^2 /NDF: 7346462.4/56

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -761.235 ± 354.903 χ^2/NDF : 36.3/28

Left Out: -918.735 ± 182.461 χ^2/NDF : 64.1/24

Right Out: -1254.491 ± 342.061 χ^2/NDF : 37.6/33

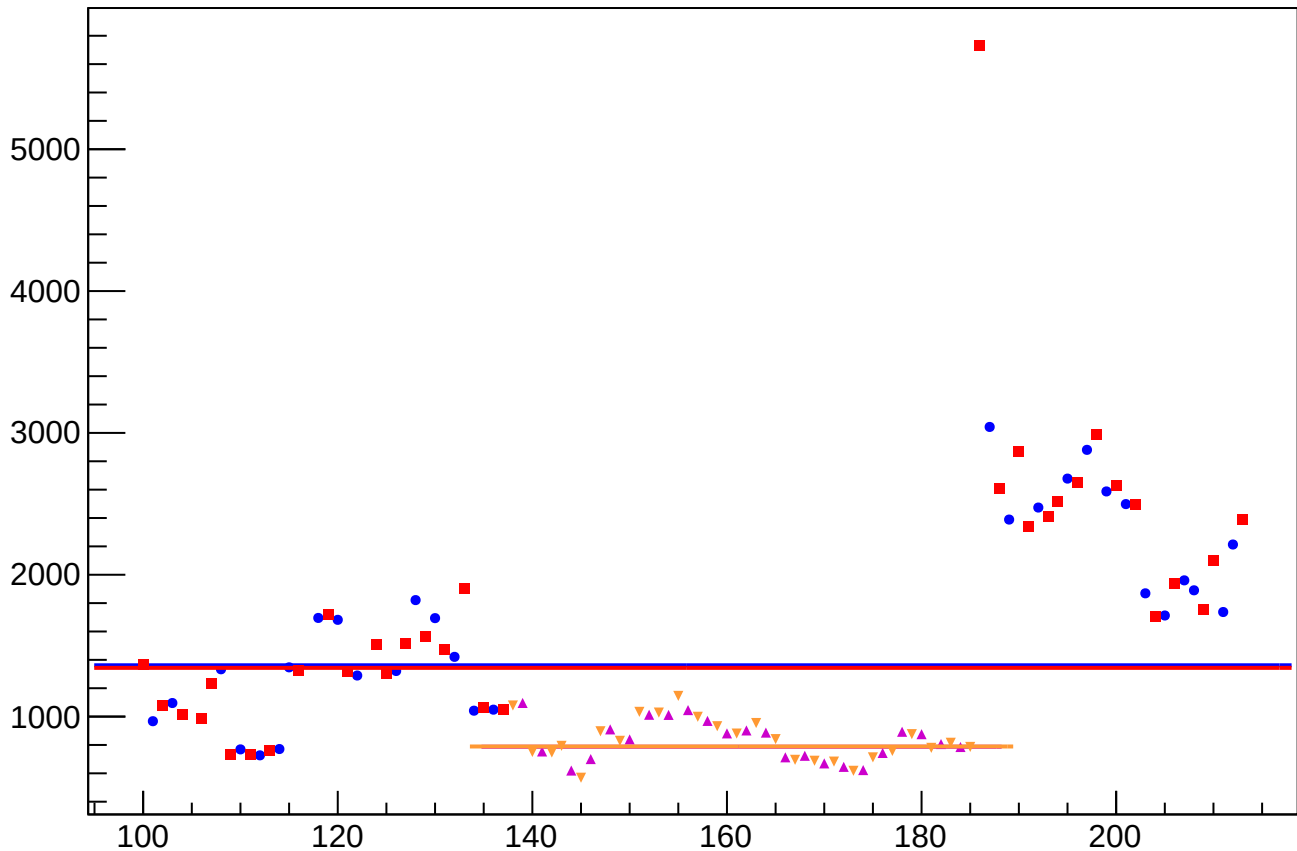
Left In: -155.874 ± 187.116 χ^2/NDF : 23.1/22

+ sign -885.808 ± 162.272 χ^2/NDF : 100.6/53

All: -650.114 ± 115.405 χ^2/NDF : 173.5/110

- sign -408.904 ± 164.160 χ^2/NDF : 68.6/56

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1361.730+/-0.251 χ^2 /NDF: 5161360.8/28

Left Out: 789.250+/-0.129 χ^2 /NDF:1176799.1/24

Right Out: 1343.569+/-0.242 χ^2 /NDF: 6967312.0/33

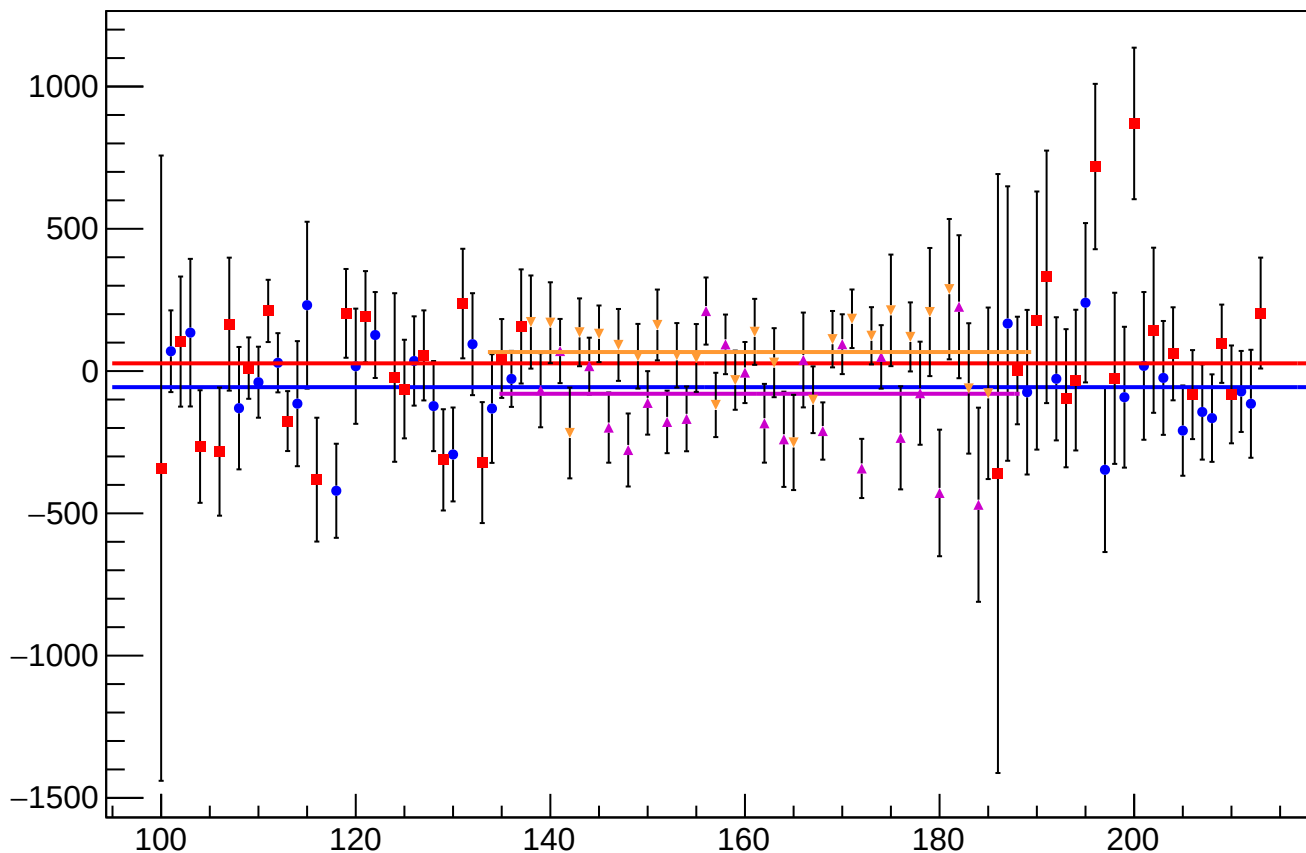
Left In: 787.390+/-0.132 χ^2 /NDF:1041390.9/22

+ sign 908.931+/-0.115 χ^2 /NDF: 10454181.7/53

All: 912.172+/-0.082 χ^2 /NDF: 22534225.4/11

- sign 915.487+/-0.116 χ^2 /NDF: 12078430.3/56

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -56.533 ± 32.090 χ^2/NDF : 17.5/28

Left Out: 66.898 ± 25.584 χ^2/NDF : 19.6/24

Right Out: 27.176 ± 31.640 χ^2/NDF : 44.3/33

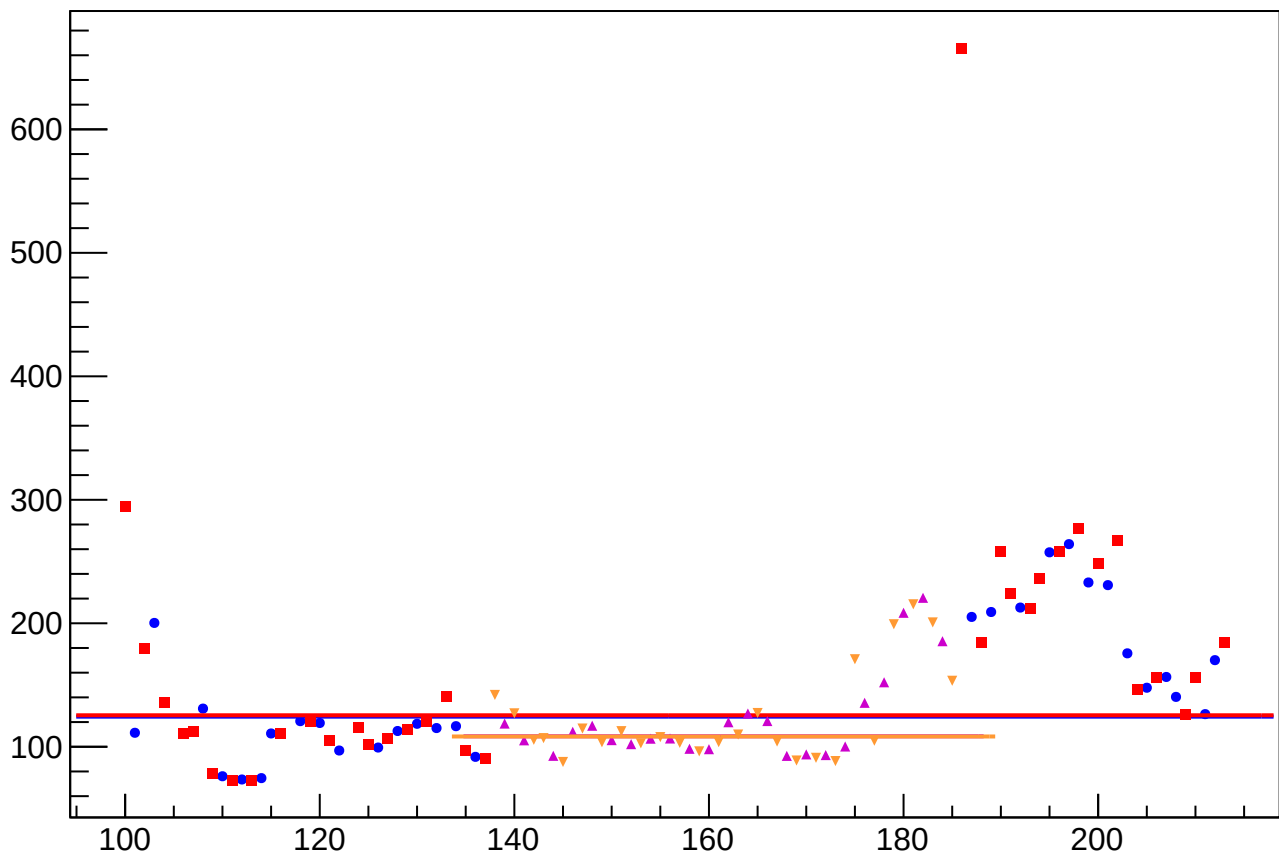
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 18.932 ± 20.004 χ^2/NDF : 46.1/53

All: -8.268 ± 14.223 χ^2/NDF : 137.8/110

- sign -36.071 ± 20.225 χ^2/NDF : 88.0/56

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 124.403 $\pm$ 0.023 χ^2 /NDF: 4023448.6/28

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774594.6/24

Right Out: 125.502 $\pm$ 0.022 χ^2 /NDF: 5625231.3/33

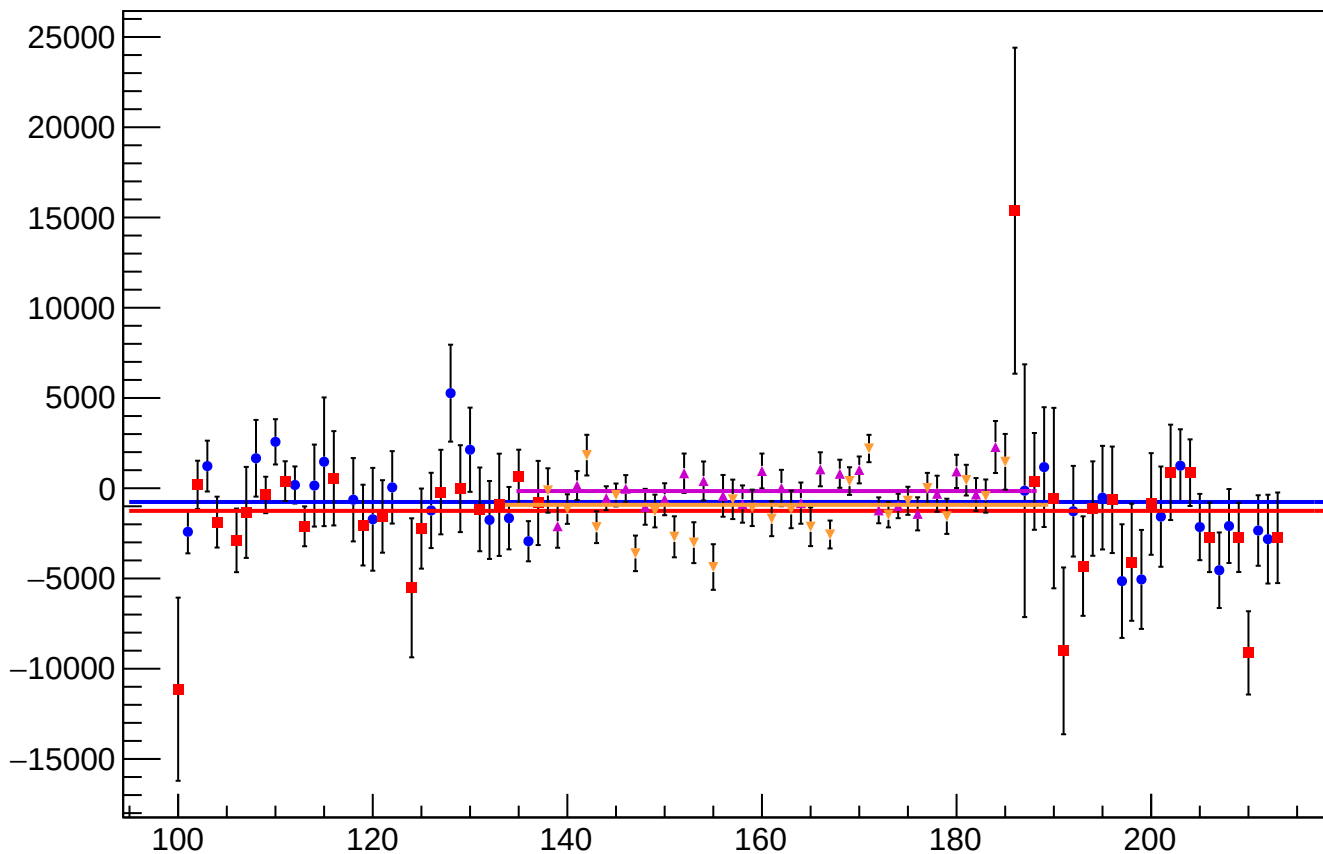
Left In: 108.493 $\pm$ 0.019 χ^2 /NDF: 1379379.3/22

+ sign 114.576 $\pm$ 0.014 χ^2 /NDF: 6104790.8/53

All: 115.005 $\pm$ 0.010 χ^2 /NDF: 13453080.7/11

- sign 115.442 $\pm$ 0.014 χ^2 /NDF: 7346436.3/56

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -761.232 ± 354.902 χ^2/NDF : 36.3/28

Left Out: -918.734 ± 182.461 χ^2/NDF : 64.1/24

Right Out: -1254.489 ± 342.060 χ^2/NDF : 37.6/33

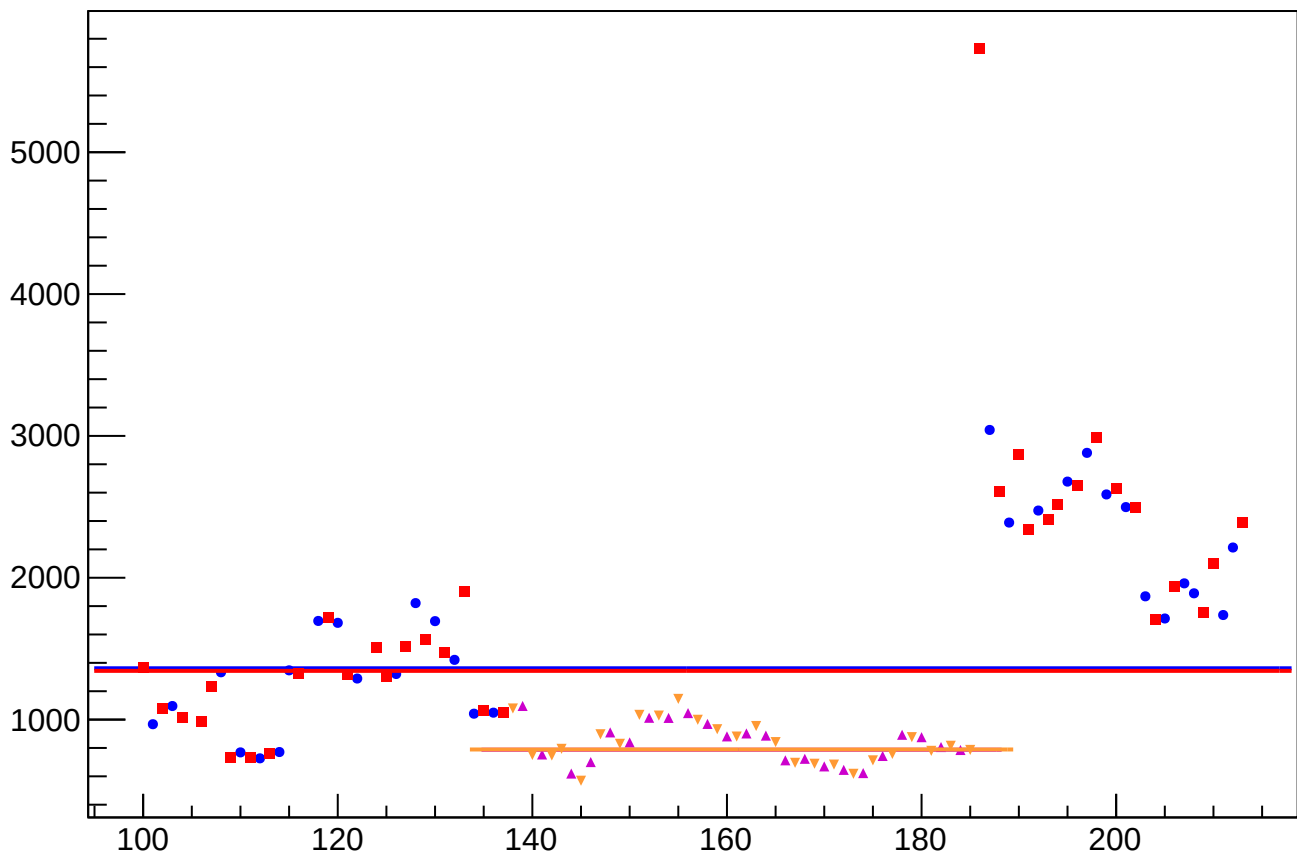
Left In: -155.873 ± 187.115 χ^2/NDF : 23.1/22

+ sign -885.807 ± 162.272 χ^2/NDF : 100.6/53

All: -650.113 ± 115.405 χ^2/NDF : 173.5/110

- sign -408.903 ± 164.159 χ^2/NDF : 68.6/56

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1361.728 $\pm$ 0.251 χ^2 /NDF: 5161374.2/28

Left Out: 789.248 $\pm$ 0.129 χ^2 /NDF: 1176801.9/24

Right Out: 1343.567 $\pm$ 0.242 χ^2 /NDF: 6967320.1/33

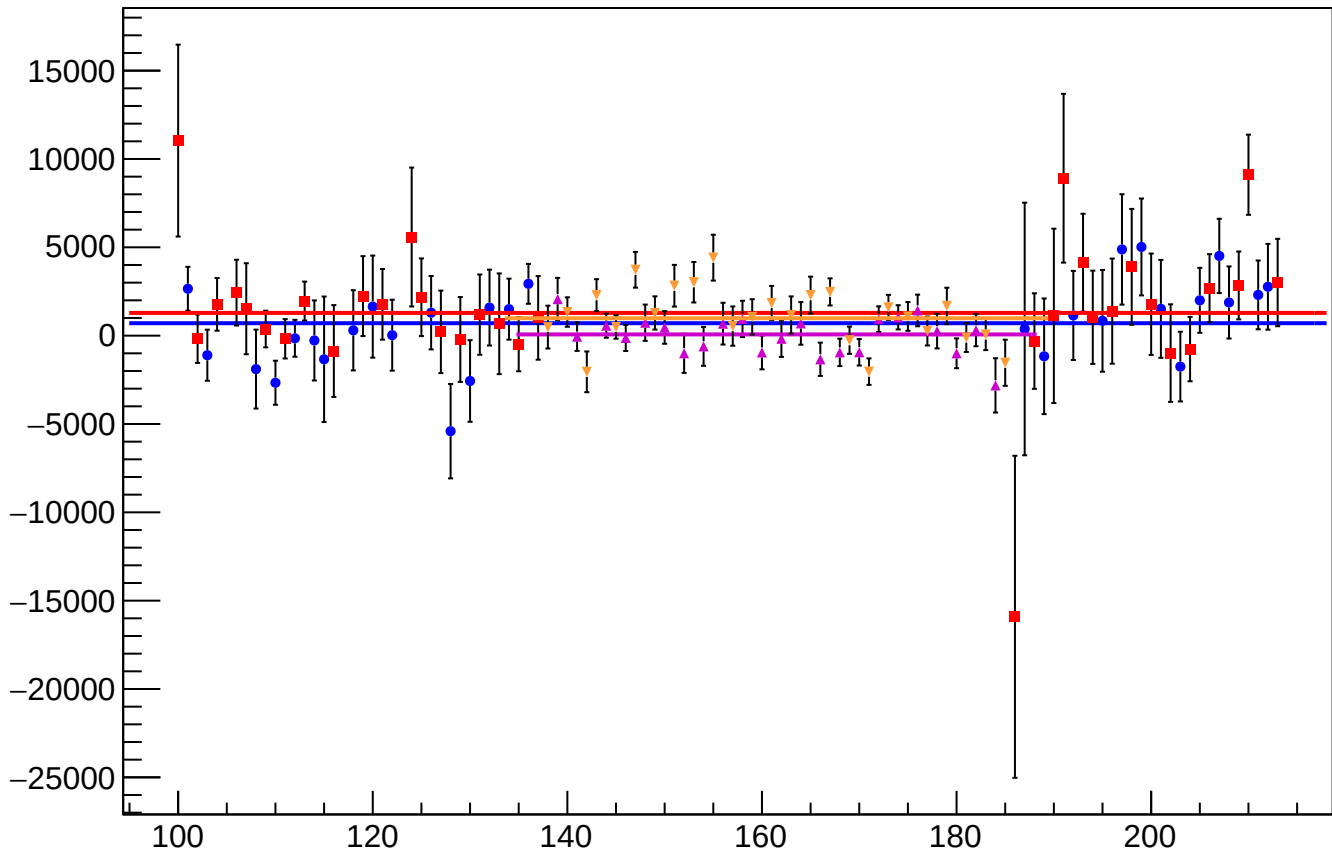
Left In: 787.388 $\pm$ 0.132 χ^2 /NDF: 1041391.2/22

+ sign 908.930 $\pm$ 0.115 χ^2 /NDF: 10454198.8/53

All: 912.170 $\pm$ 0.082 χ^2 /NDF: 22534253.4/11

- sign 915.486 $\pm$ 0.116 χ^2 /NDF: 12078441.2/56

asym_sam_3748_avg_mean vs Slug



Right In: 704.471 ± 357.391 χ^2/NDF : 37.5/28

Left Out: 985.656 ± 183.601 χ^2/NDF : 63.7/24

Right Out: 1286.982 ± 346.679 χ^2/NDF : 35.7/33

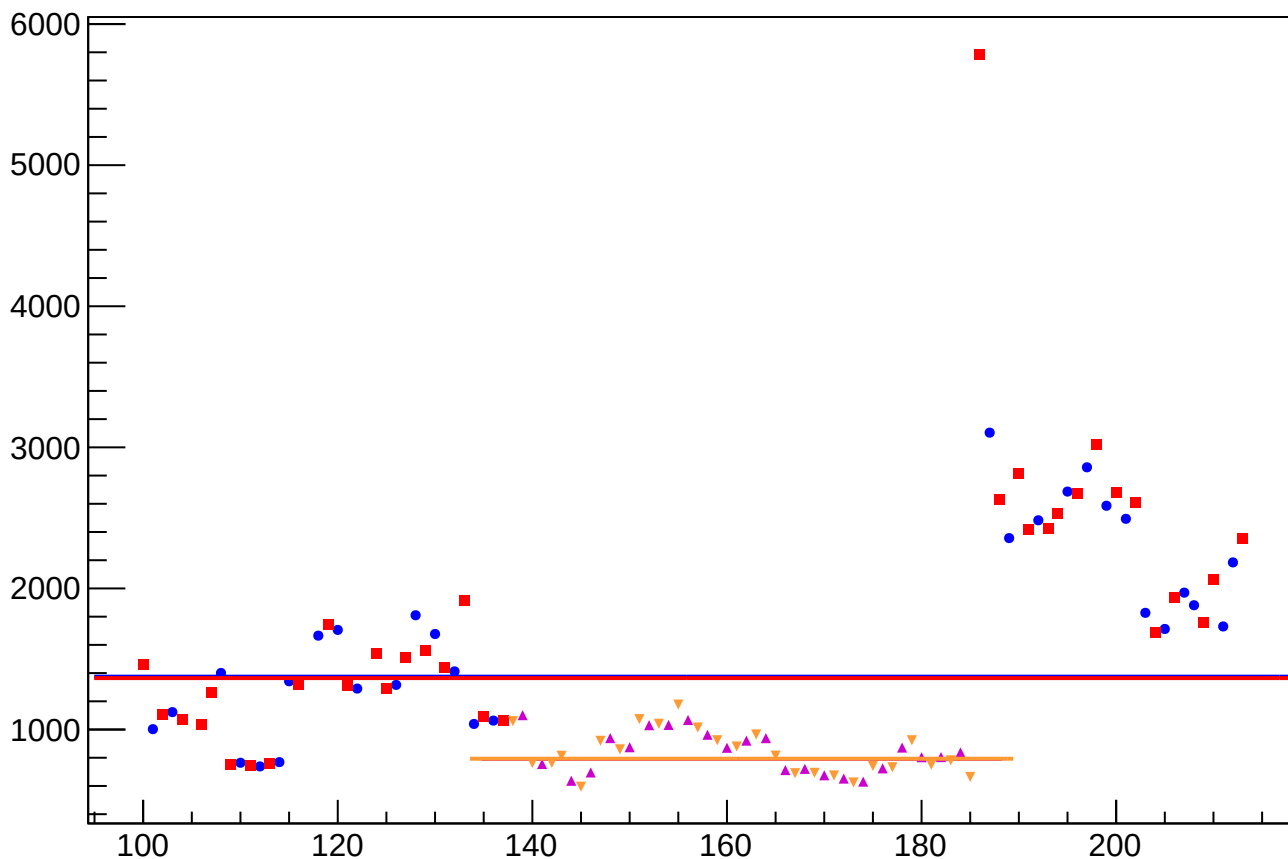
Left In: 70.089 ± 188.036 χ^2/NDF : 24.4/22

+ sign 926.943 ± 163.311 χ^2/NDF : 101.7/53

All: 640.315 ± 116.171 χ^2/NDF : 177.5/110

- sign 346.707 ± 165.288 χ^2/NDF : 69.6/56

asym_sam_3748_avg_rms vs Slug



Right In: 1374.573+/-0.253 χ^2/NDF : 4994565.4/28

Left Out: 793.051+/-0.130 χ^2/NDF : 1193972.3/24

Right Out: 1364.574+/-0.245 χ^2/NDF : 6809856.0/33

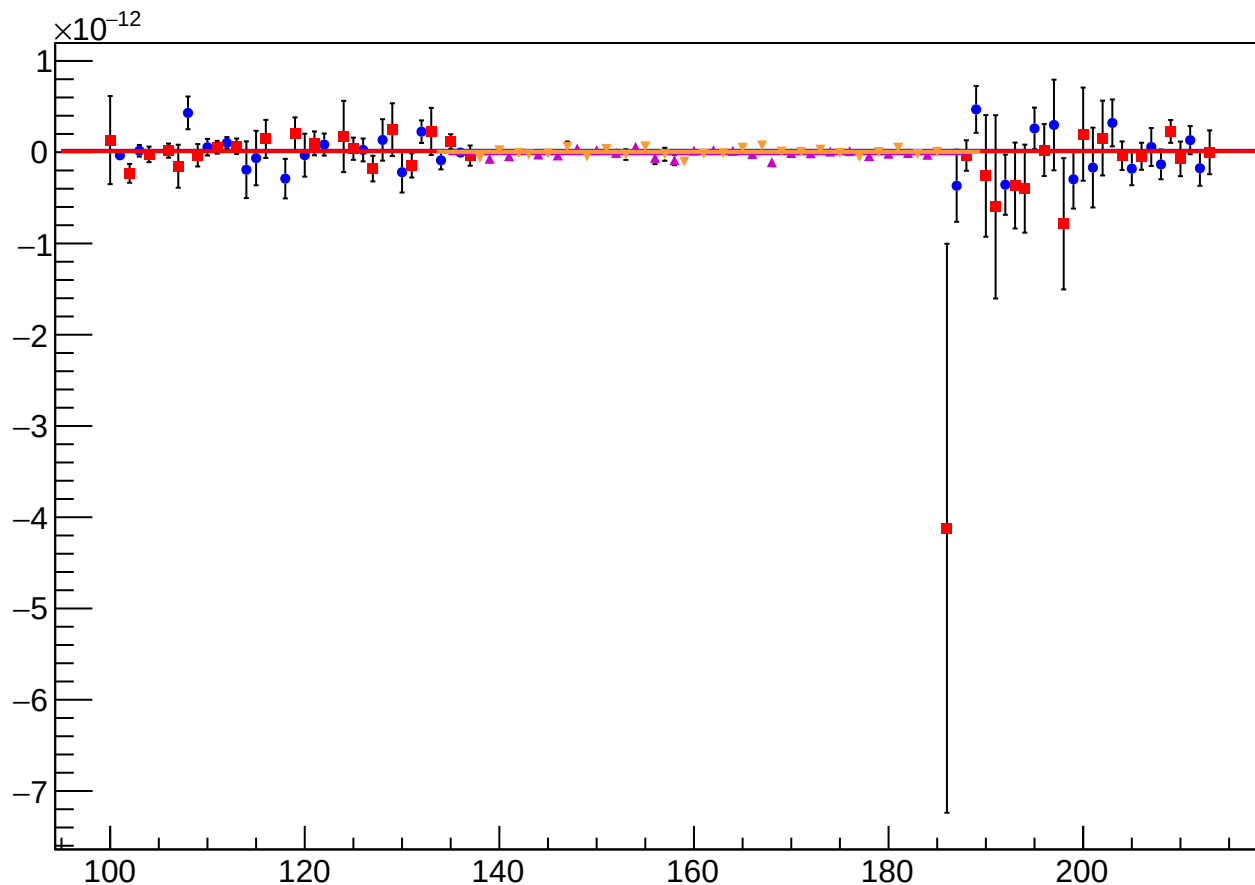
Left In: 791.155+/-0.133 χ^2/NDF : 1049107.7/22

+ sign 914.477+/-0.115 χ^2/NDF : 10378002.0/53

All: 917.947+/-0.082 χ^2/NDF : 22466653.6/100

- sign 921.502+/-0.117 χ^2/NDF : 12086823.7/56

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/33

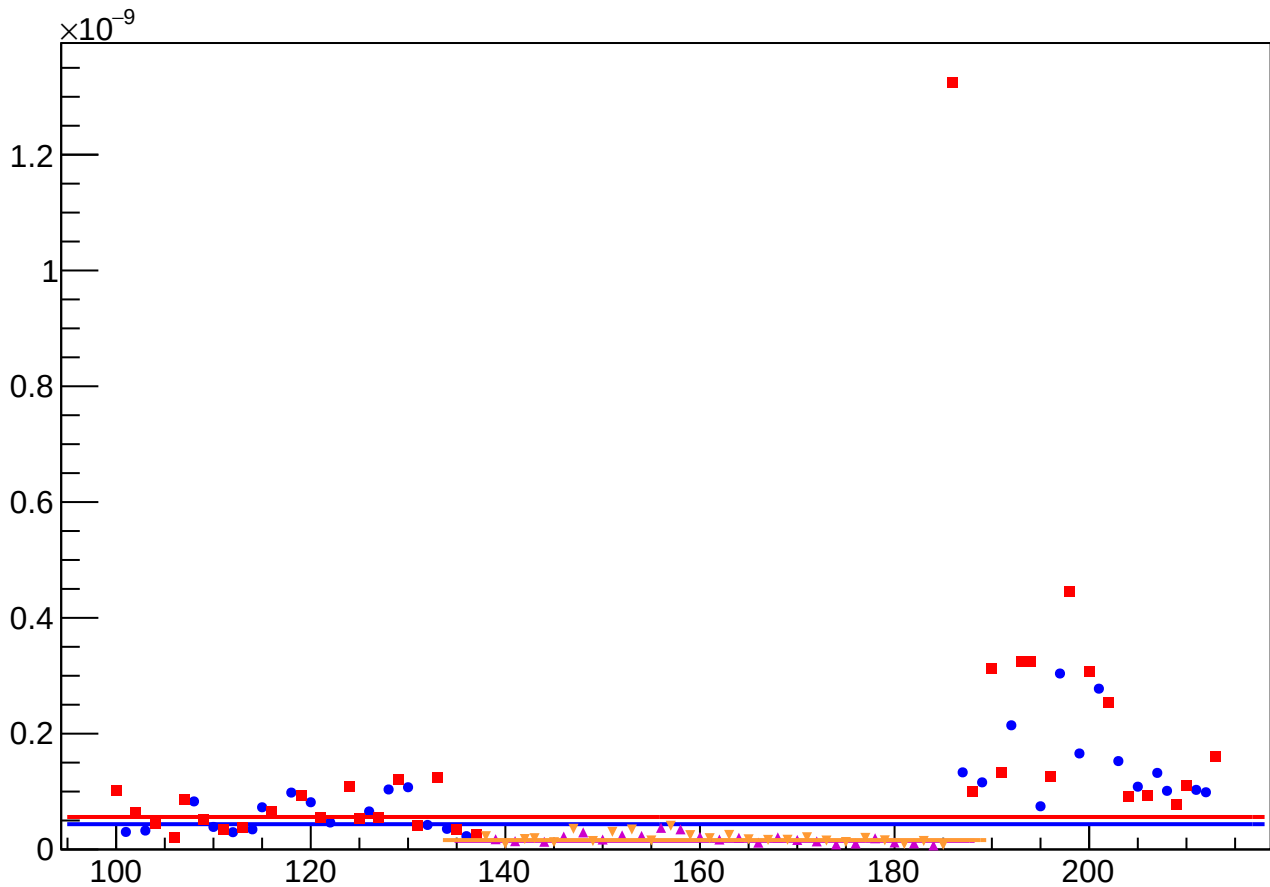
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.1/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 117.8/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.6/56

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5466637.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6002247.8/33

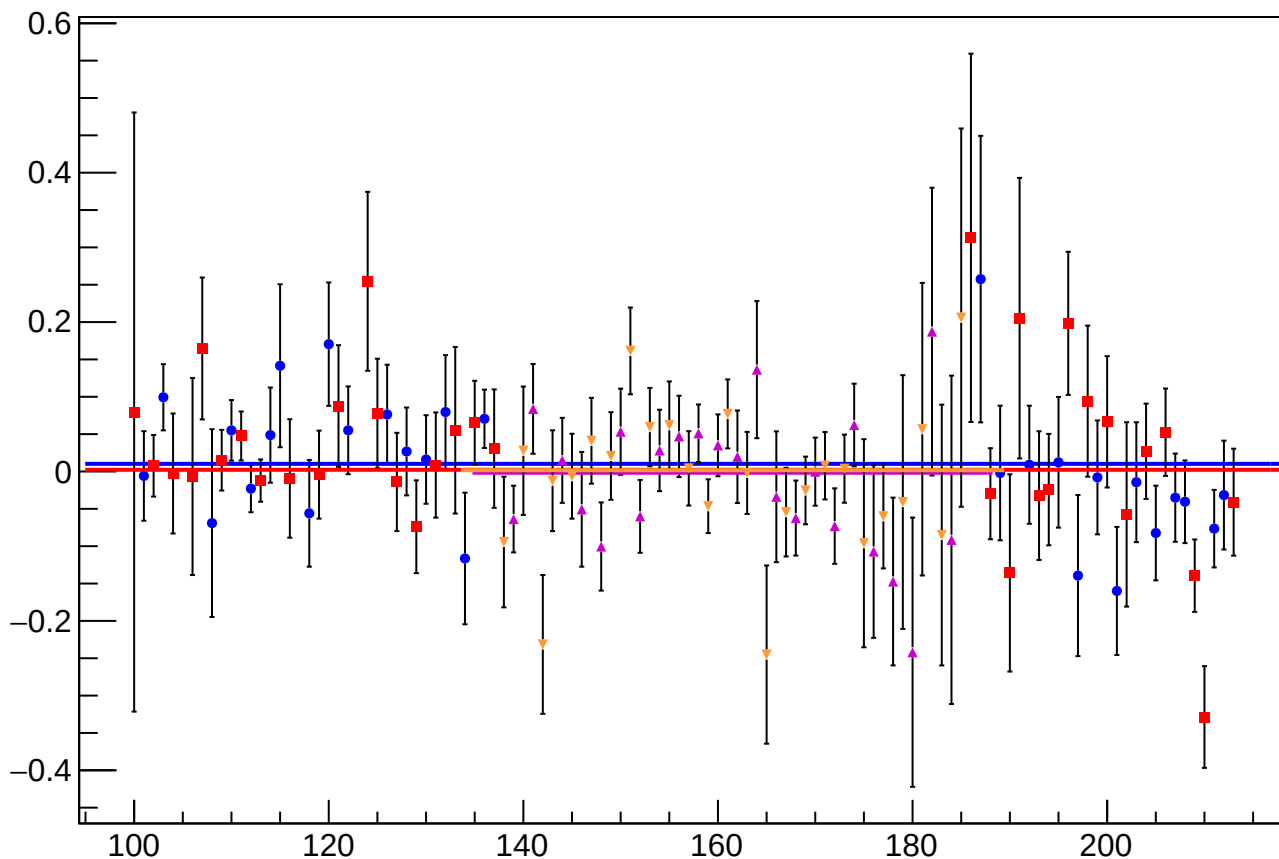
Left In: 0.000+/-0.000 χ^2/NDF : 1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 10413585.0/53

All: 0.000+/-0.000 χ^2/NDF : 23362565.7/110

- sign 0.000+/-0.000 χ^2/NDF : 12912613.3/56

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.011 χ^2/NDF : 34.6/28

Left Out: 0.002 ± 0.012 χ^2/NDF : 30.4/24

Right Out: 0.002 ± 0.011 χ^2/NDF : 58.7/33

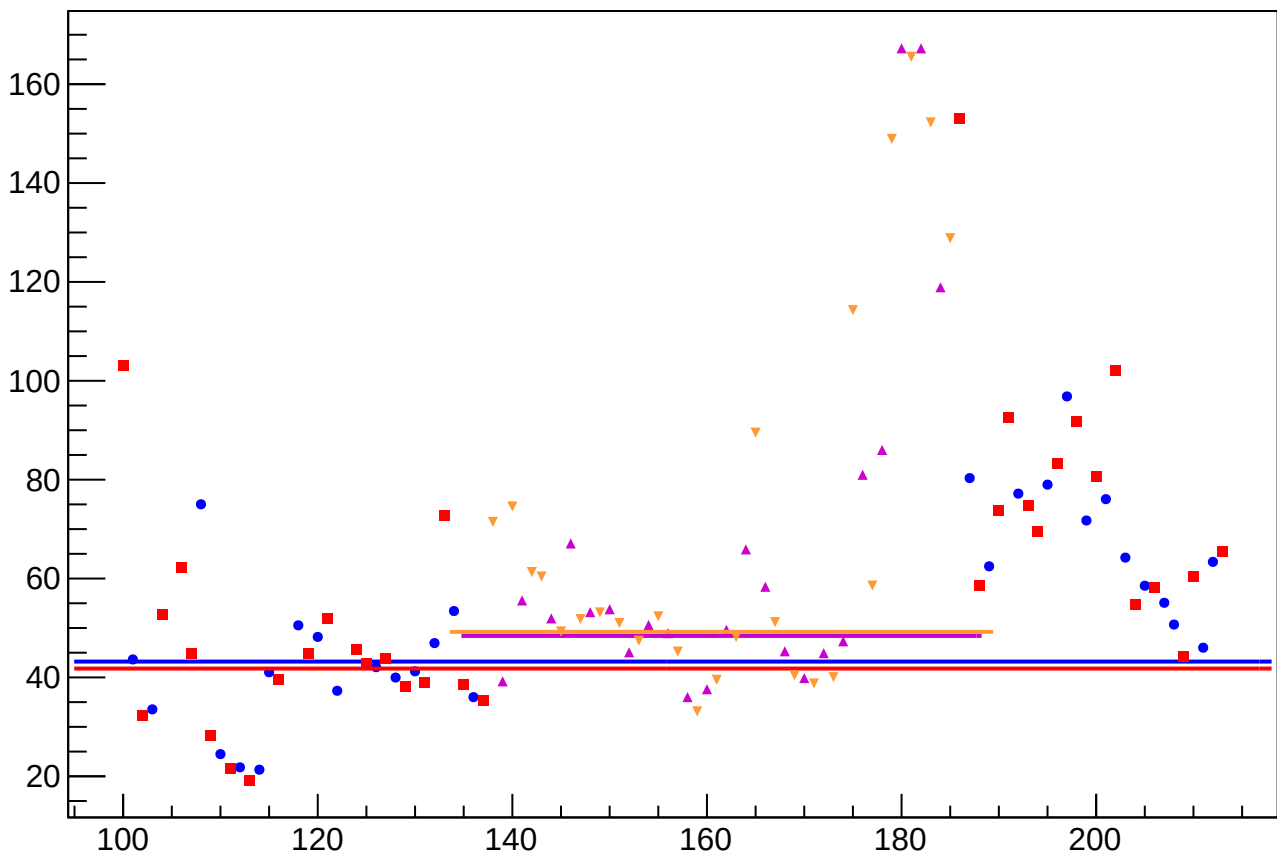
Left In: -0.002 ± 0.012 χ^2/NDF : 26.1/22

+ sign 0.006 ± 0.008 χ^2/NDF : 65.3/53

All: 0.003 ± 0.006 χ^2/NDF : 150.3/110

- sign 0.001 ± 0.008 χ^2/NDF : 84.8/56

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.204 $\pm$ 0.008 χ^2 /NDF: 4433397.3/28

Left Out: 49.216 $\pm$ 0.009 χ^2 /NDF: 4171670.0/24

Right Out: 41.794 $\pm$ 0.008 χ^2 /NDF: 6467618.3/33

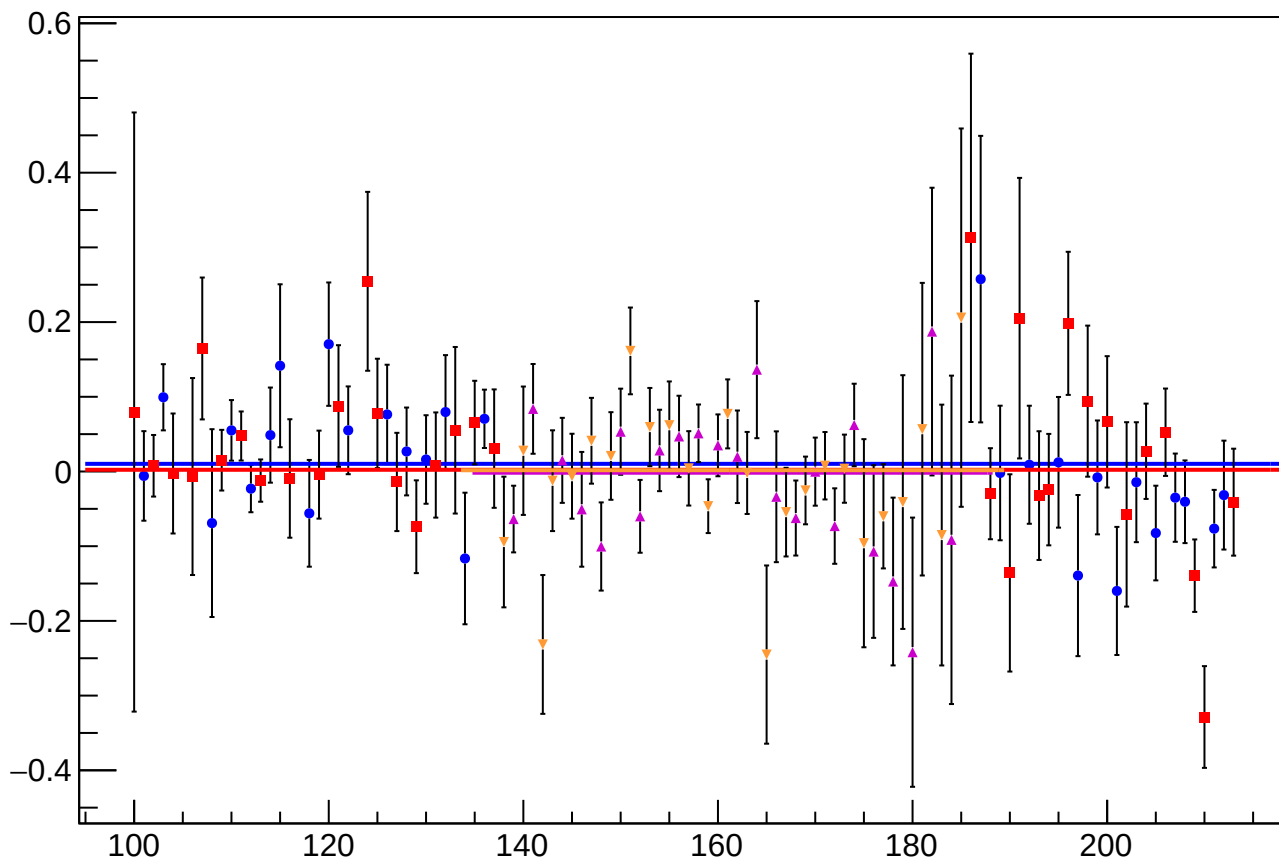
Left In: 48.392 $\pm$ 0.009 χ^2 /NDF: 3033240.8/22

+ sign 46.002 $\pm$ 0.006 χ^2 /NDF: 8860594.2/53

All: 45.341 $\pm$ 0.004 χ^2 /NDF: 18703629.2/110

- sign 44.707 $\pm$ 0.006 χ^2 /NDF: 9818694.6/56

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.011 $\chi^2/\text{NDF}: 34.6/28$

Left Out: 0.002 ± 0.012 $\chi^2/\text{NDF}: 30.4/24$

Right Out: 0.002 ± 0.011 $\chi^2/\text{NDF}: 58.7/33$

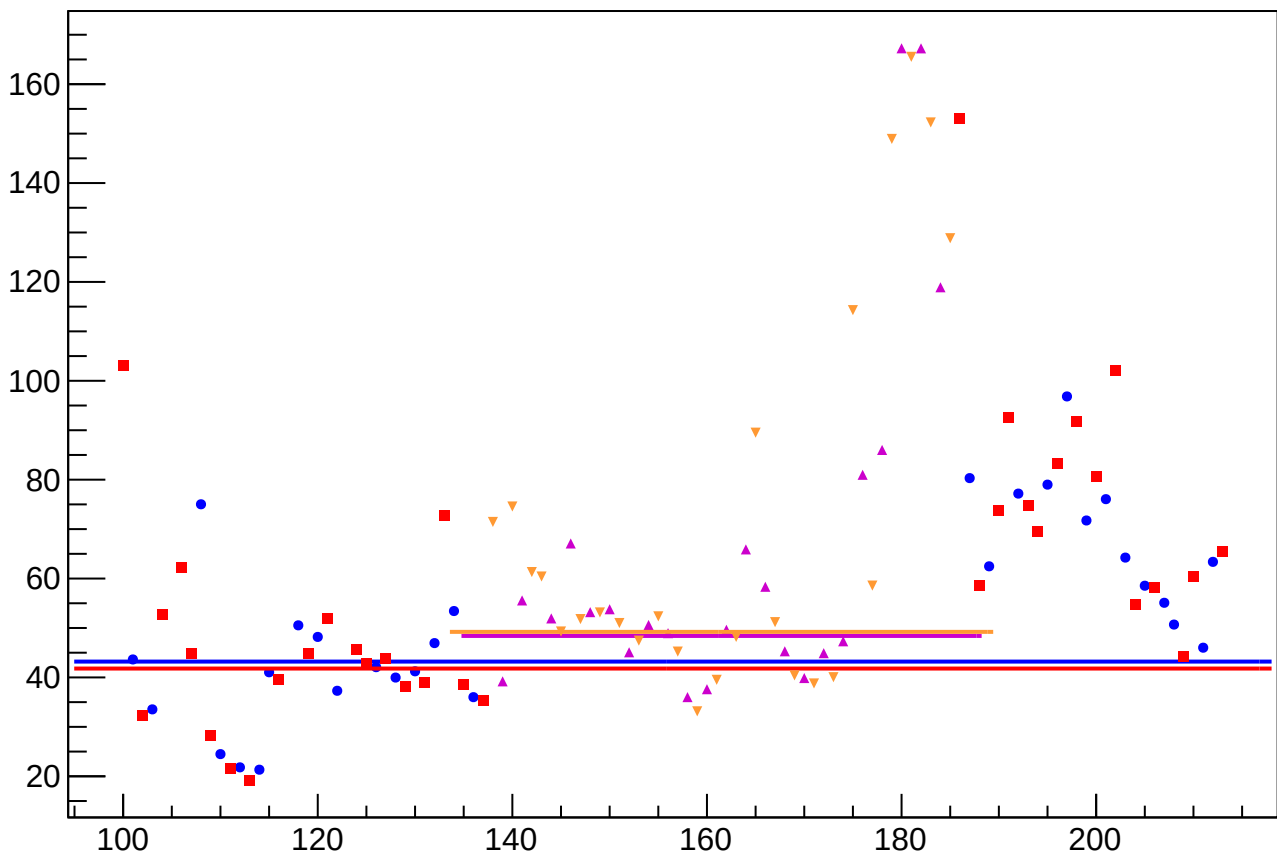
Left In: -0.002 ± 0.012 $\chi^2/\text{NDF}: 26.1/22$

+ sign 0.006 ± 0.008 $\chi^2/\text{NDF}: 65.3/53$

All: 0.003 ± 0.006 $\chi^2/\text{NDF}: 150.3/110$

- sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 84.8/56$

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.204 $\pm$ 0.008 χ^2 /NDF: 4433397.3/28

Left Out: 49.216 $\pm$ 0.009 χ^2 /NDF: 4171670.0/24

Right Out: 41.794 $\pm$ 0.008 χ^2 /NDF: 6467618.3/33

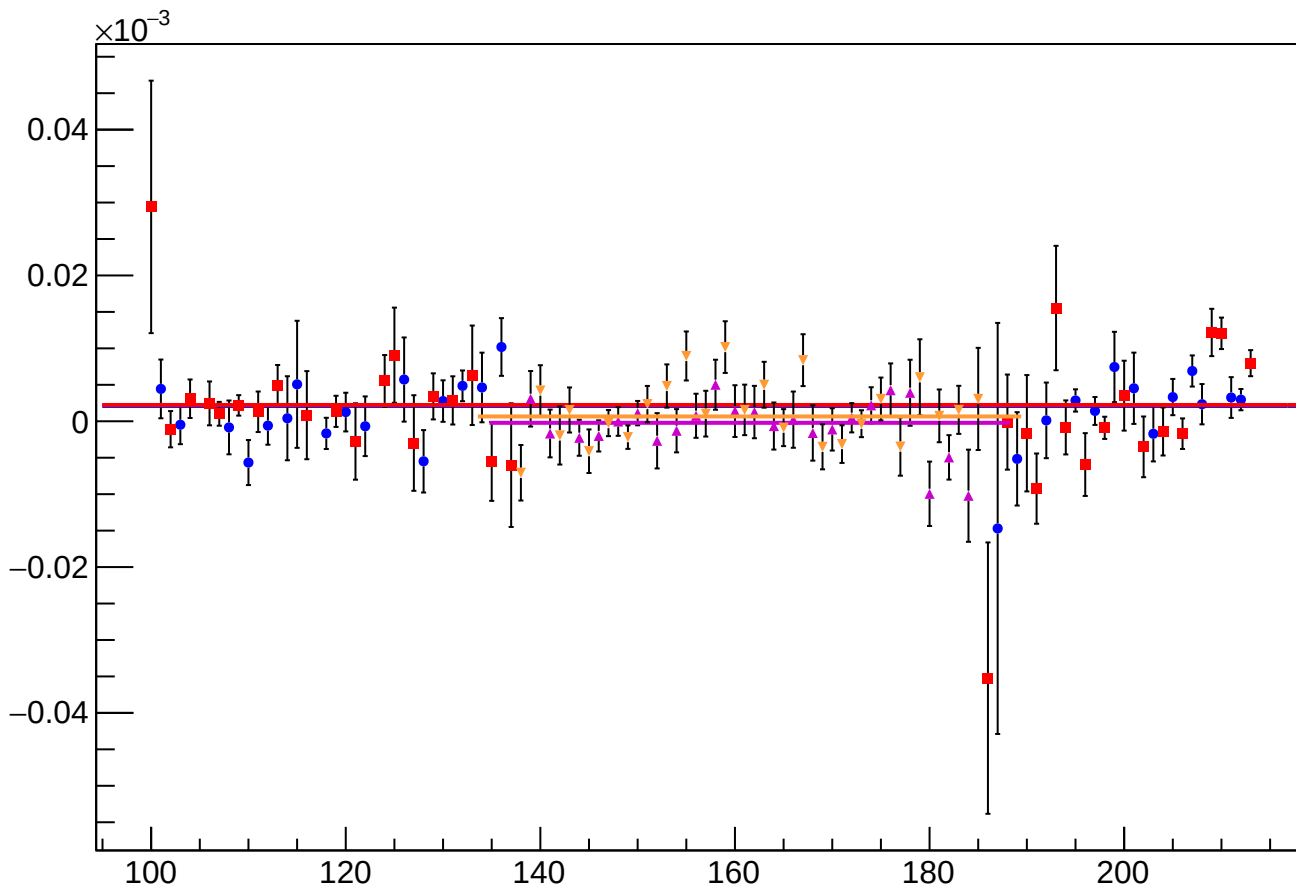
Left In: 48.392 $\pm$ 0.009 χ^2 /NDF: 3033240.8/22

+ sign 46.002 $\pm$ 0.006 χ^2 /NDF: 8860594.2/53

All: 45.341 $\pm$ 0.004 χ^2 /NDF: 18703629.2/110

- sign 44.707 $\pm$ 0.006 χ^2 /NDF: 9818694.6/56

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:41.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 81.4/33

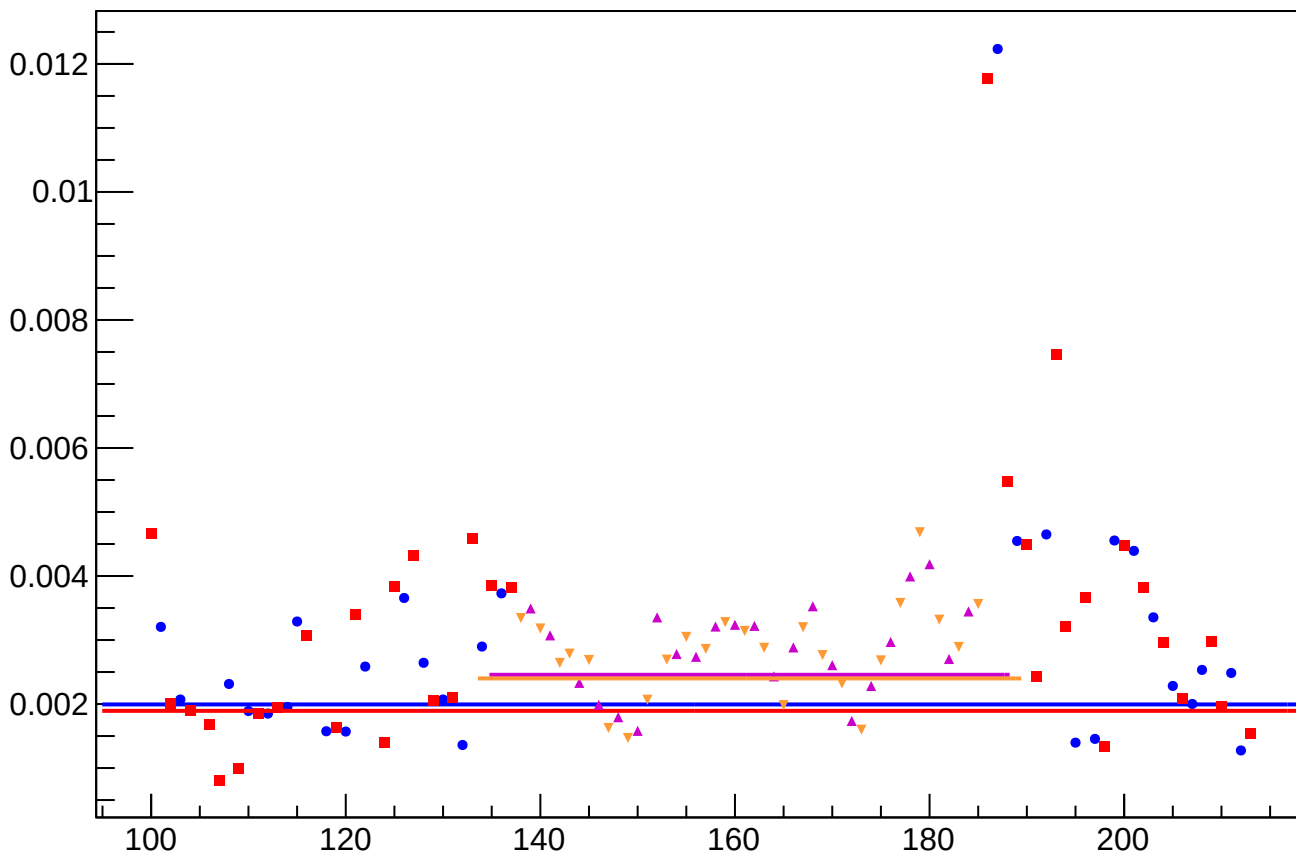
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 78.5/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 189.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 110.8/56

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4793889.0/28

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3123870.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 7877111.5/33

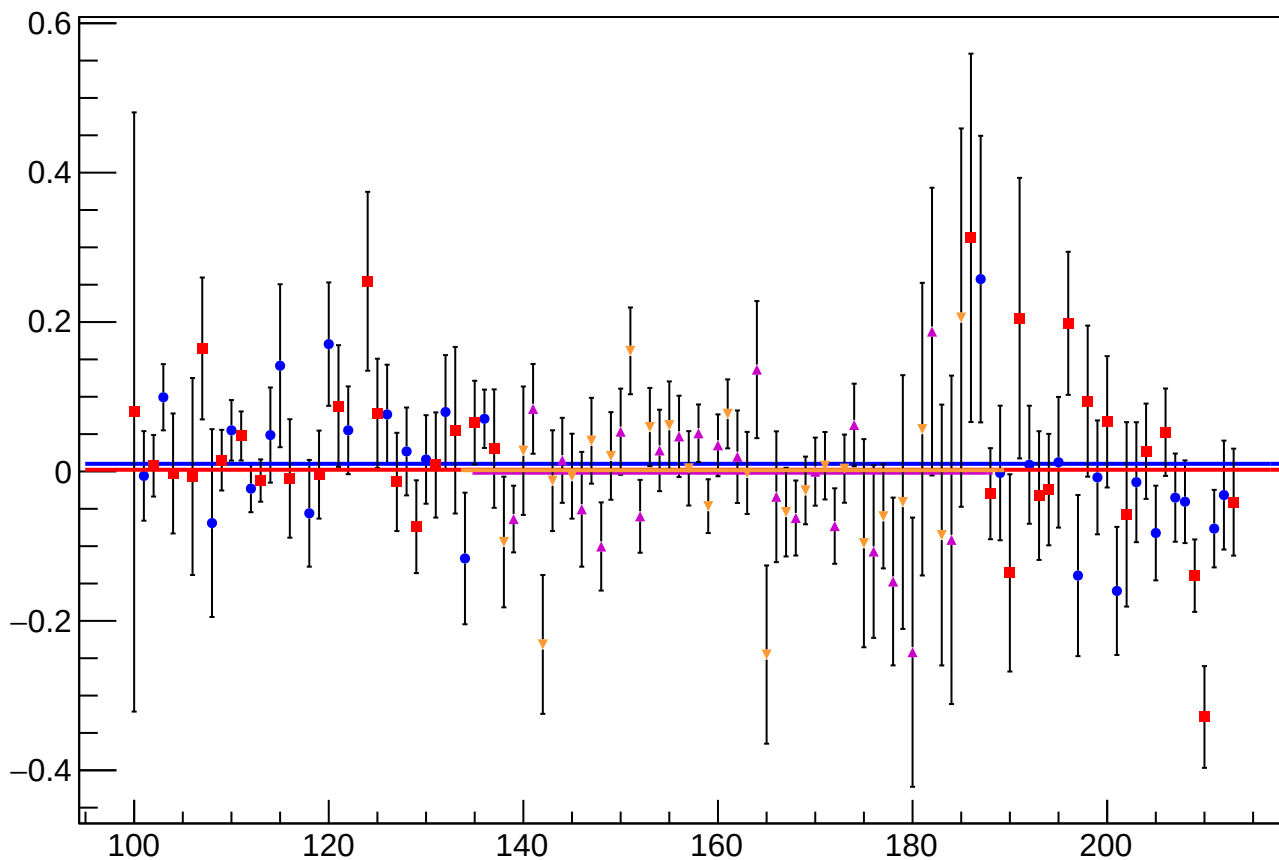
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2629718.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8460282.6/53

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20015889.7/110

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11535663.7/56

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 ± 0.011 χ^2/NDF : 34.6/28

Left Out: 0.002 ± 0.012 χ^2/NDF : 30.4/24

Right Out: 0.002 ± 0.011 χ^2/NDF : 58.7/33

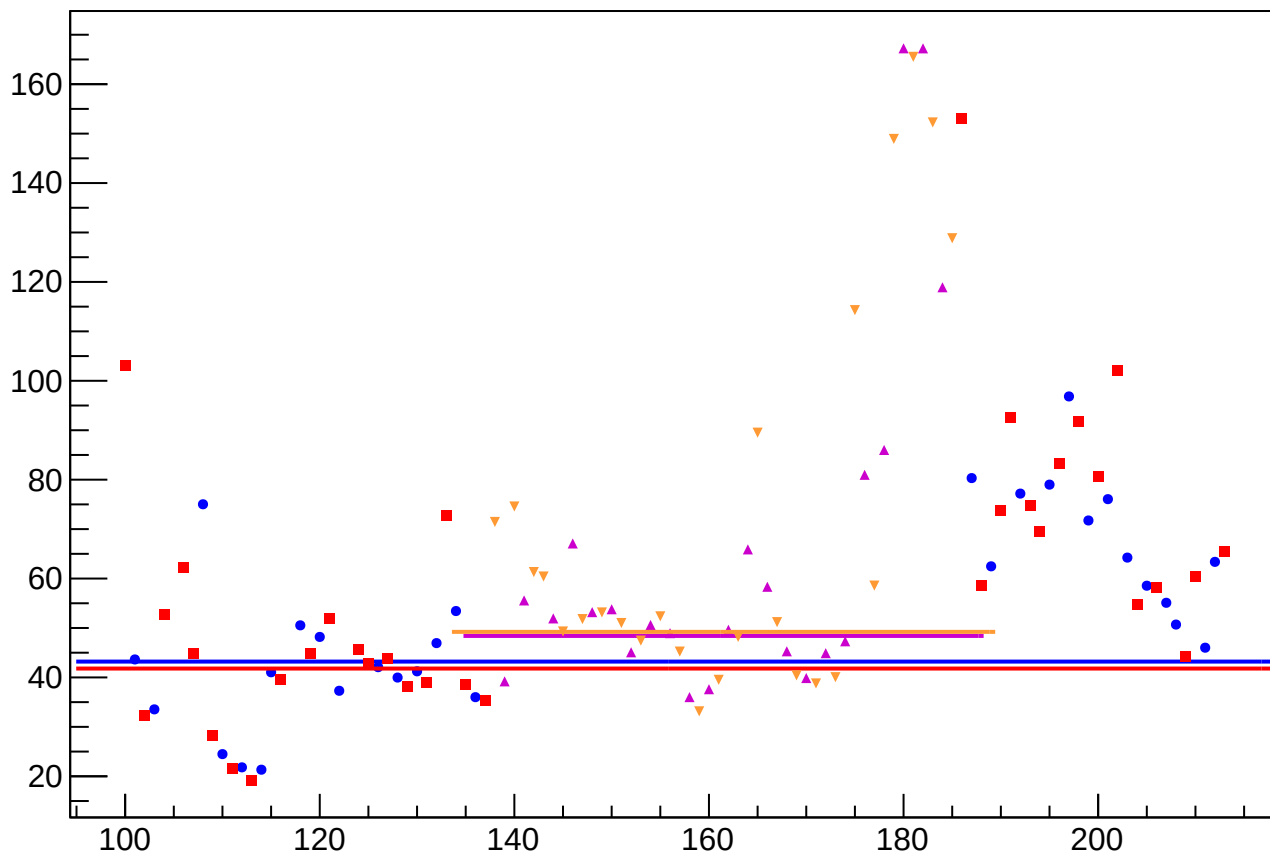
Left In: -0.002 ± 0.012 χ^2/NDF : 26.1/22

+ sign 0.006 ± 0.008 χ^2/NDF : 65.3/53

All: 0.003 ± 0.006 χ^2/NDF : 150.3/110

- sign 0.001 ± 0.008 χ^2/NDF : 84.8/56

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.205+/-0.008 χ^2/NDF : 4433267.4/28

Left Out: 49.217+/-0.009 χ^2/NDF : 4171640.8/24

Right Out: 41.795+/-0.008 χ^2/NDF : 6467530.9/33

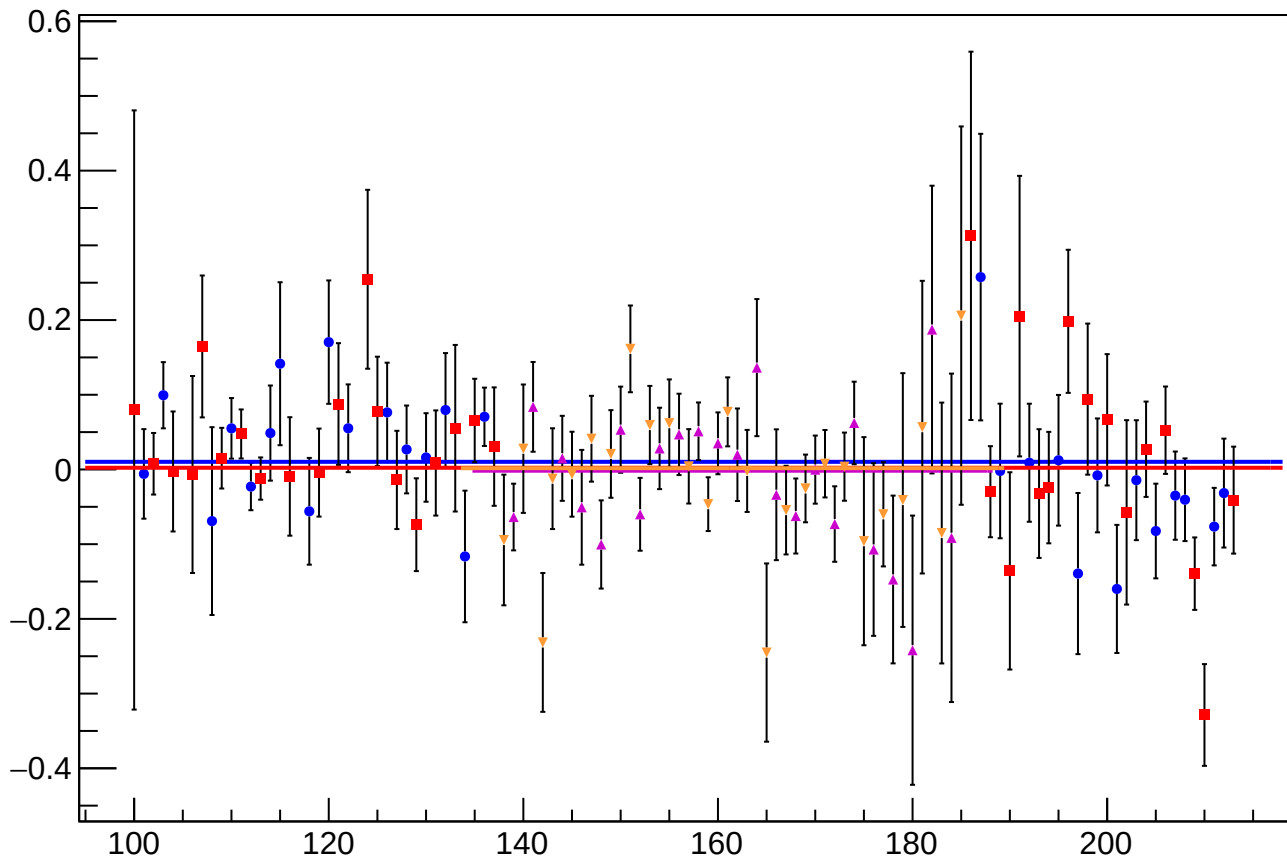
Left In: 48.393+/-0.009 χ^2/NDF : 3033208.4/22

+ sign 46.003+/-0.006 χ^2/NDF : 8860448.7/53

All: 45.342+/-0.004 χ^2/NDF : 18703367.1/110

- sign 44.707+/-0.006 χ^2/NDF : 9818579.5/56

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.011 χ^2/NDF : 34.6/28

Left Out: 0.002 ± 0.012 χ^2/NDF : 30.4/24

Right Out: 0.002 ± 0.011 χ^2/NDF : 58.7/33

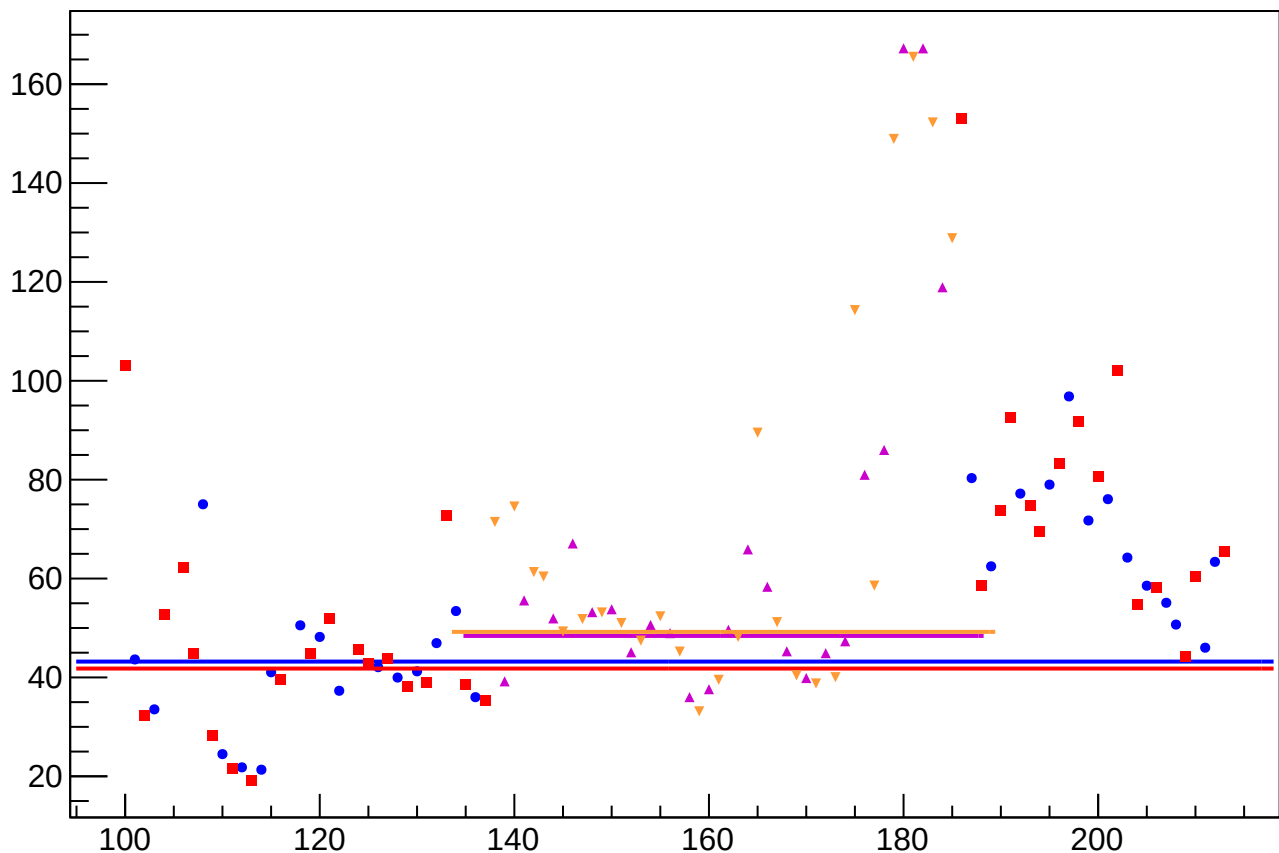
Left In: -0.002 ± 0.012 χ^2/NDF : 26.1/22

+ sign 0.006 ± 0.008 χ^2/NDF : 65.3/53

All: 0.003 ± 0.006 χ^2/NDF : 150.3/110

- sign 0.001 ± 0.008 χ^2/NDF : 84.8/56

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.205 $\pm$ 0.008 χ^2 /NDF: 4433267.4/28

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF: 4171640.8/24

Right Out: 41.795 $\pm$ 0.008 χ^2 /NDF: 6467530.9/33

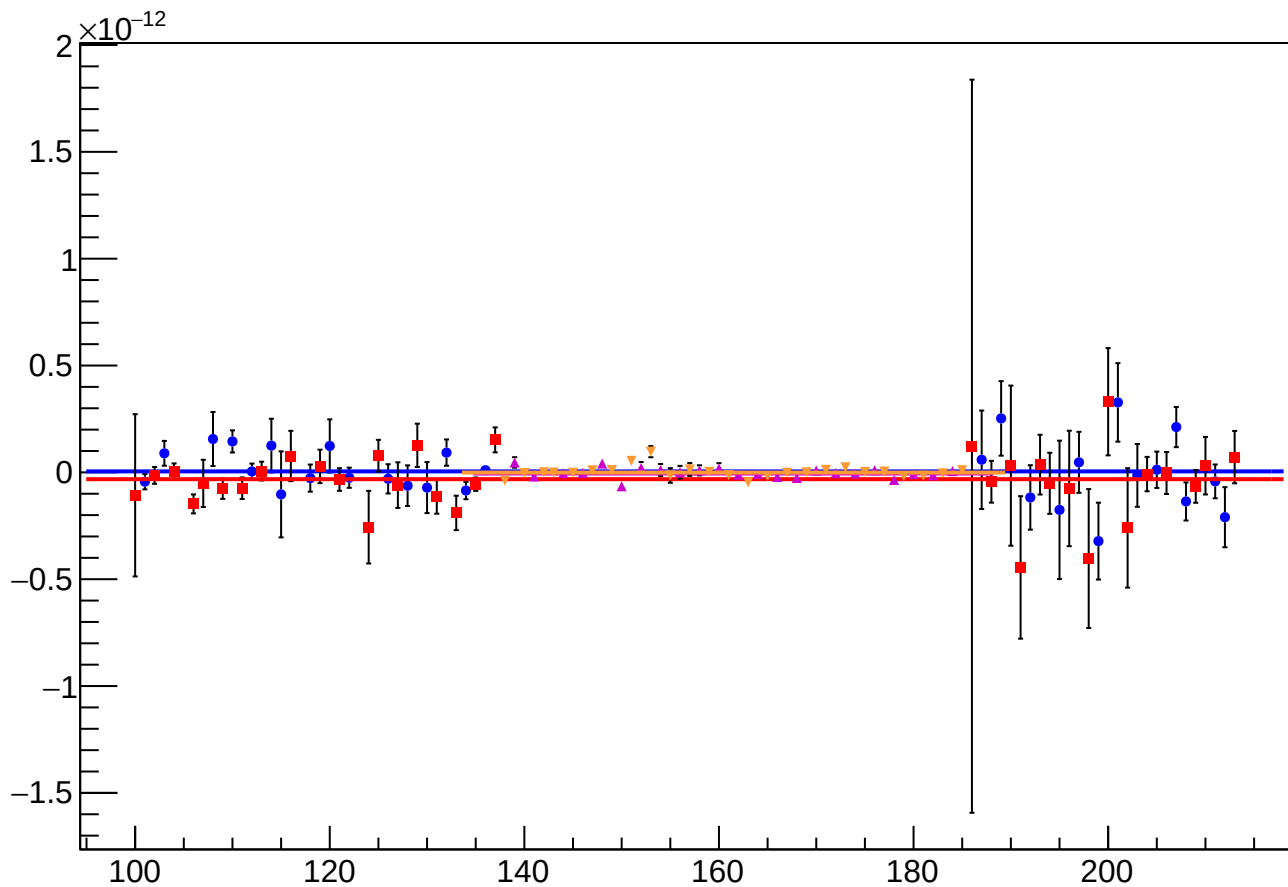
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF: 3033208.4/22

+ sign 46.003 $\pm$ 0.006 χ^2 /NDF: 8860448.7/53

All: 45.342 $\pm$ 0.004 χ^2 /NDF: 18703367.1/110

- sign 44.707 $\pm$ 0.006 χ^2 /NDF: 9818579.5/56

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 43.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 40.7/33

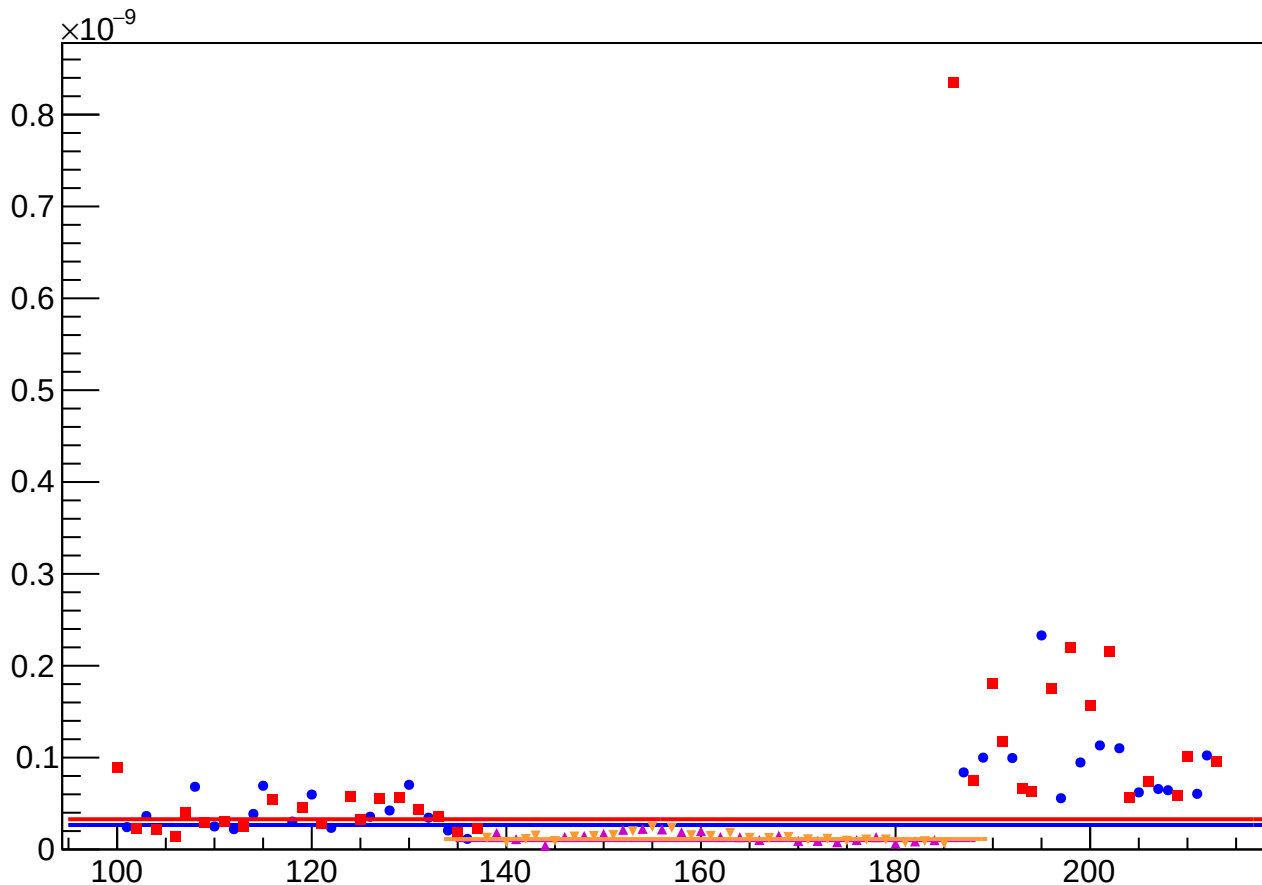
Left In: -0.000 ± 0.000 χ^2/NDF : 28.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 80.3/53

All: -0.000 ± 0.000 χ^2/NDF : 156.3/110

- sign -0.000 ± 0.000 χ^2/NDF : 73.5/56

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7758192.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2206266.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7510584.1/33

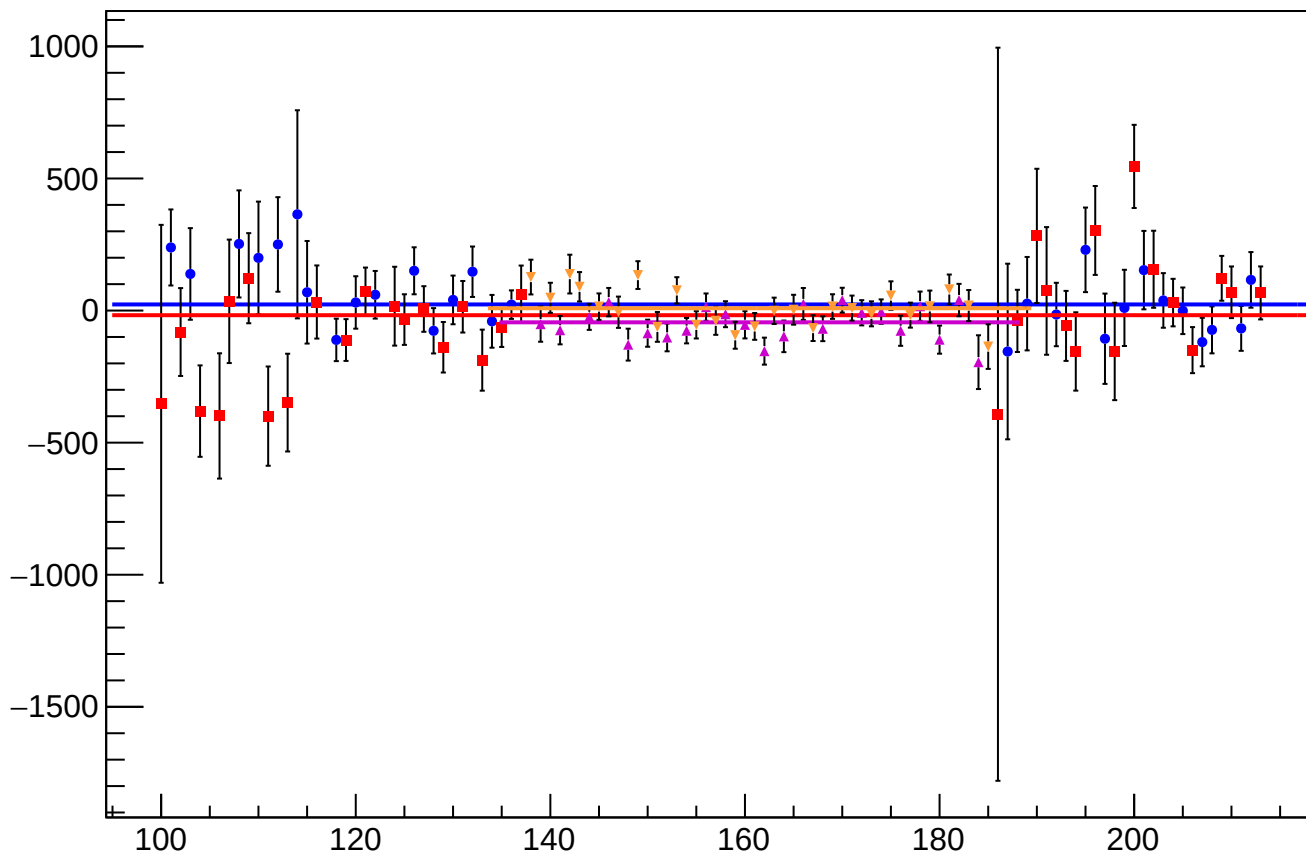
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:4024430.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13641508.1/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31782107.9/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18039541.9/56

reg_asym_sam_1526_avg_mean vs Slug



Right In: 23.156 ± 20.087 χ^2/NDF : 24.6/28

Left Out: 8.756 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -17.547 ± 20.669 χ^2/NDF : 50.8/33

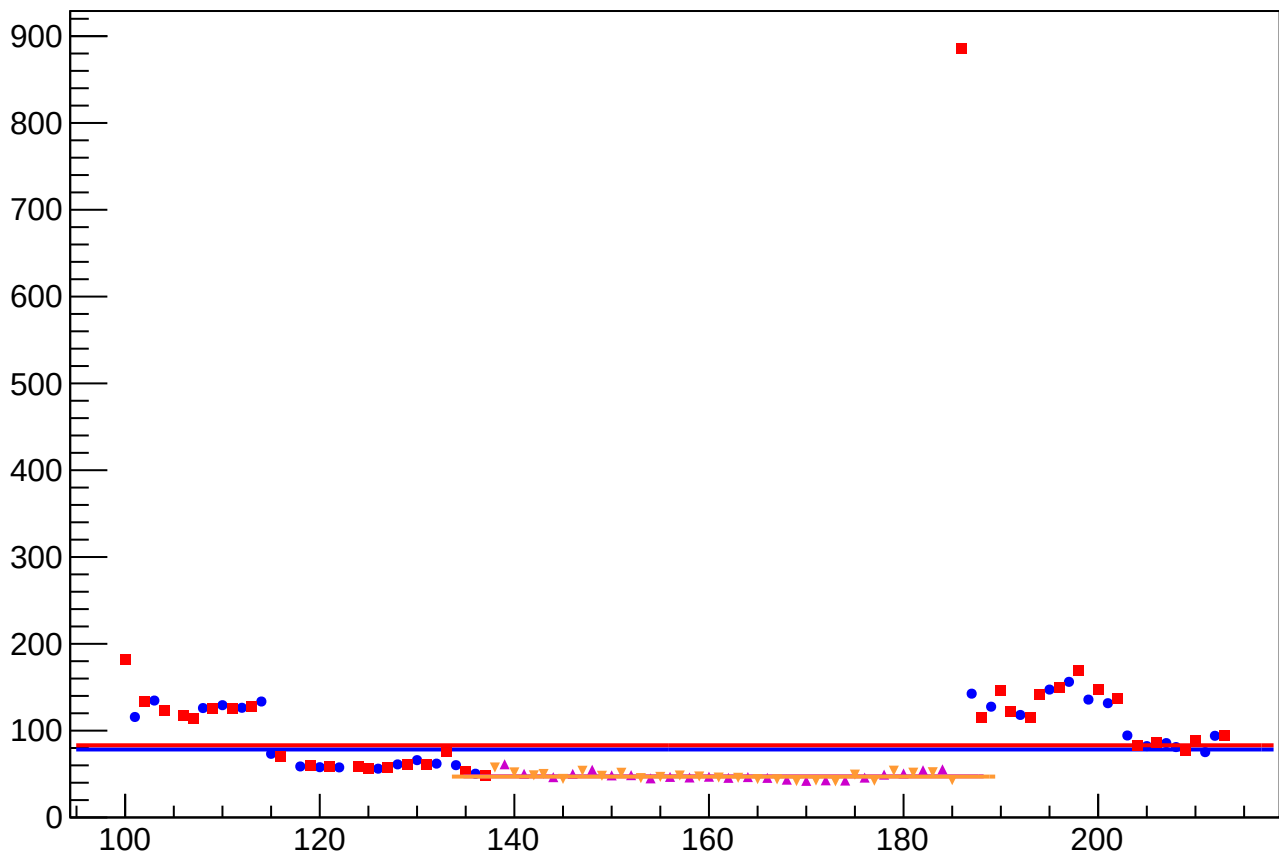
Left In: -44.541 ± 11.149 χ^2/NDF : 27.0/22

+ sign 11.971 ± 9.491 χ^2/NDF : 59.6/53

All: -12.406 ± 6.822 χ^2/NDF : 152.3/110

- sign -38.457 ± 9.812 χ^2/NDF : 79.1/56

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.302 $\pm$ 0.014 χ^2 /NDF: 3889515.6/28

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 83.139 $\pm$ 0.015 χ^2 /NDF: 5027207.2/33

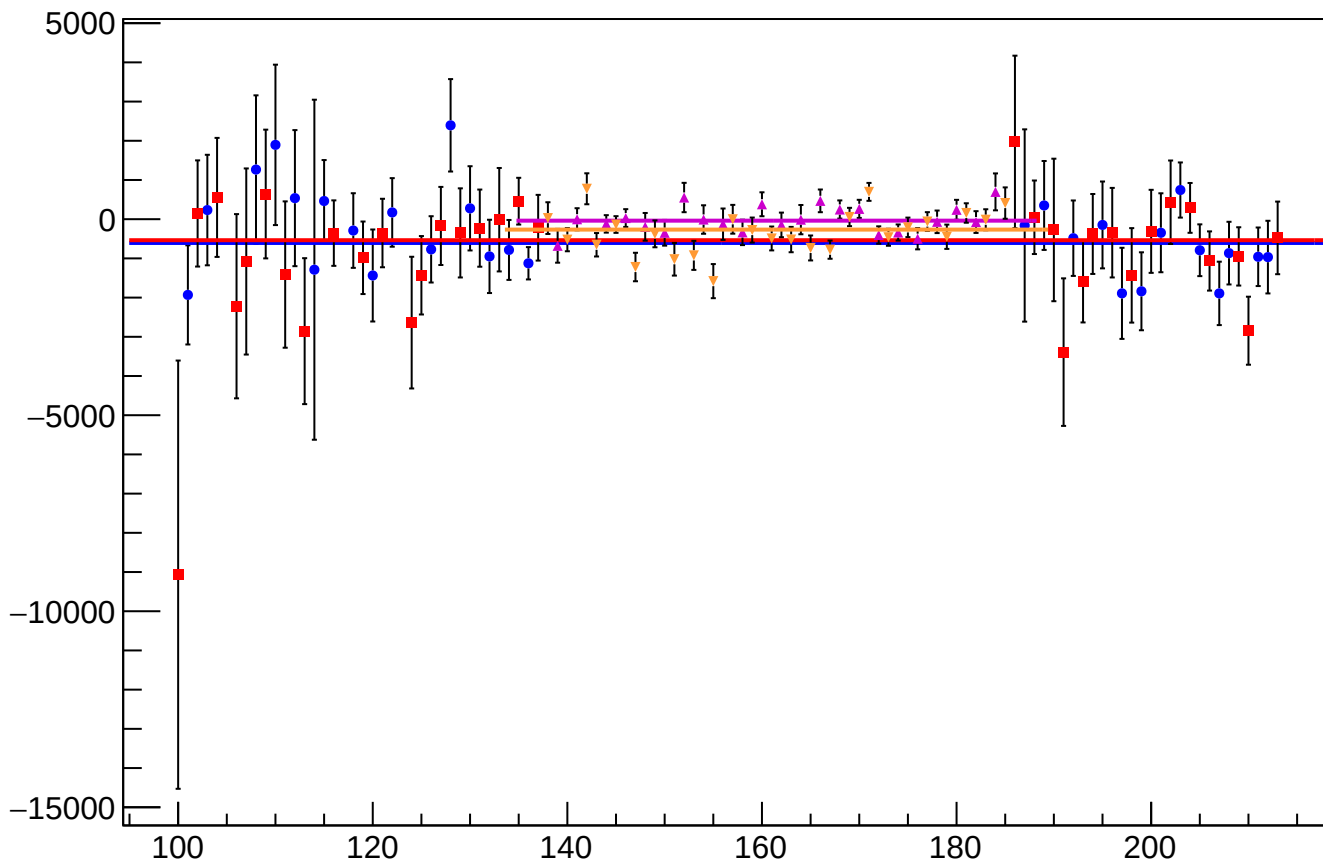
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.038 $\pm$ 0.007 χ^2 /NDF: 7933999.1/53

All: 54.717 $\pm$ 0.005 χ^2 /NDF: 17889708.9/110

- sign 55.442 $\pm$ 0.007 χ^2 /NDF: 9934573.7/56

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -605.998 ± 172.110 χ^2/NDF : 26.3/28

Left Out: -265.684 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -536.285 ± 180.260 χ^2/NDF : 28.2/33

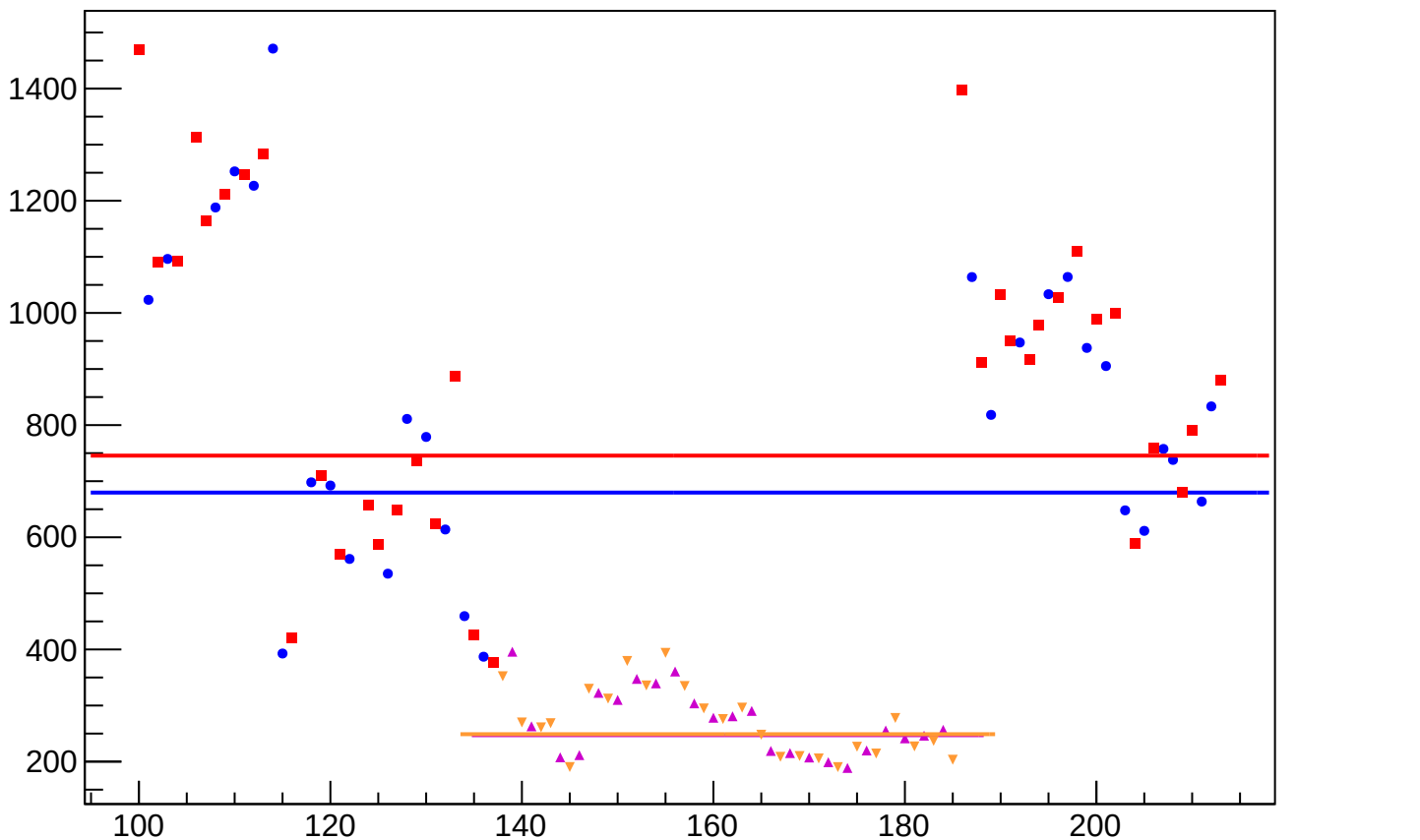
Left In: -37.530 ± 59.159 χ^2/NDF : 26.6/22

+ sign -300.423 ± 54.990 χ^2/NDF : 99.6/53

All: -195.577 ± 39.308 χ^2/NDF : 168.8/110

- sign -86.026 ± 56.210 χ^2/NDF : 61.7/56

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 679.693 $\pm$ 0.122 χ^2 /NDF: 3363657.8/28

Left Out: 248.891 $\pm$ 0.041 χ^2 /NDF:1663709.5/24

Right Out: 745.587 $\pm$ 0.127 χ^2 /NDF: 3576397.7/33

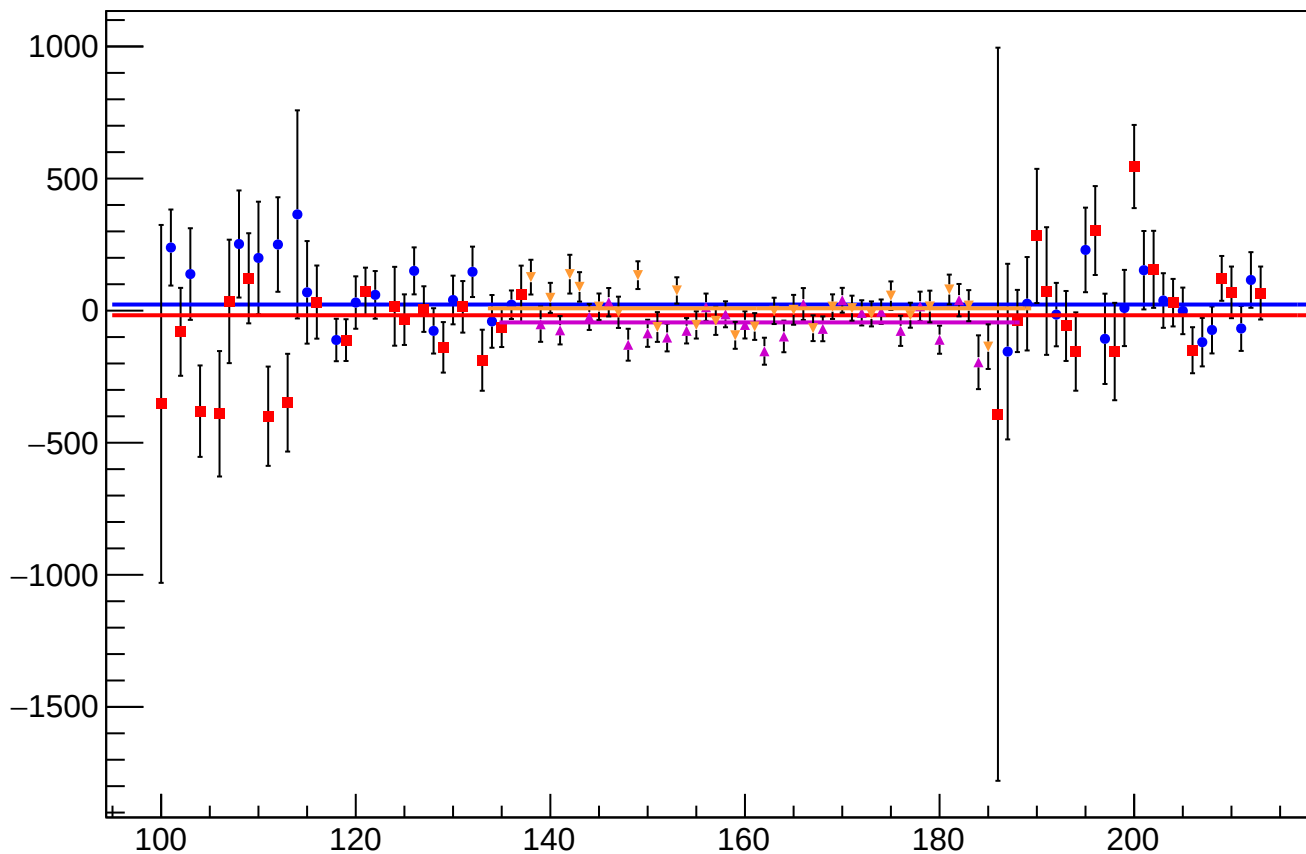
Left In: 247.109 $\pm$ 0.042 χ^2 /NDF:1484450.6/22

+ sign 292.868 $\pm$ 0.039 χ^2 /NDF: 16278856.9/53

All: 294.194 $\pm$ 0.028 χ^2 /NDF: 35149017.0/1

- sign 295.579 $\pm$ 0.040 χ^2 /NDF: 18867783.2/56

cor_asym_sam_1526_avg_mean vs Slug



Right In: 23.149 ± 20.087 χ^2/NDF : 24.6/28

Left Out: 8.758 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -17.459 ± 20.669 χ^2/NDF : 50.6/33

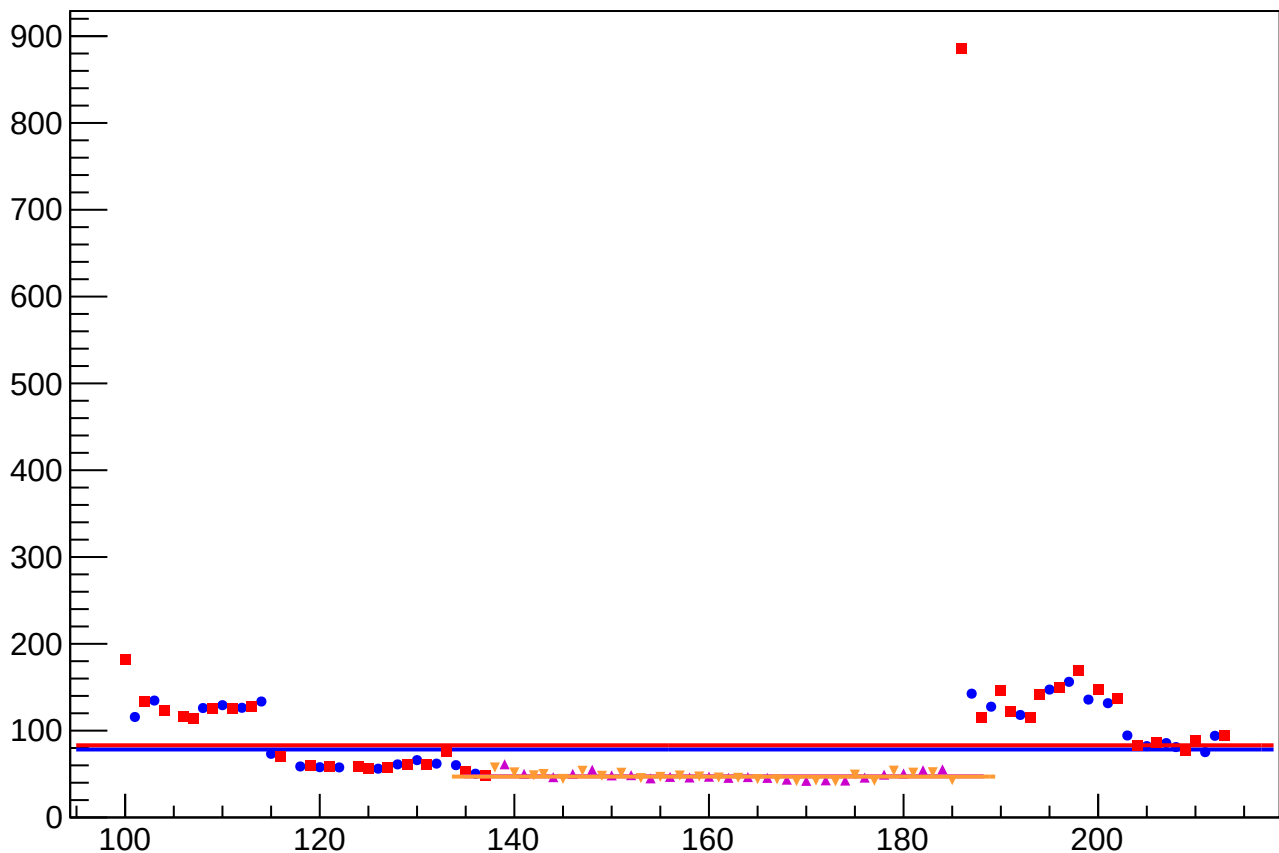
Left In: -44.540 ± 11.149 χ^2/NDF : 27.0/22

+ sign 11.971 ± 9.491 χ^2/NDF : 59.6/53

All: -12.396 ± 6.822 χ^2/NDF : 152.2/110

- sign -38.437 ± 9.812 χ^2/NDF : 79.0/56

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.302 $\pm$ 0.014 χ^2 /NDF: 3889517.9/28

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 83.131 $\pm$ 0.015 χ^2 /NDF: 5024986.5/33

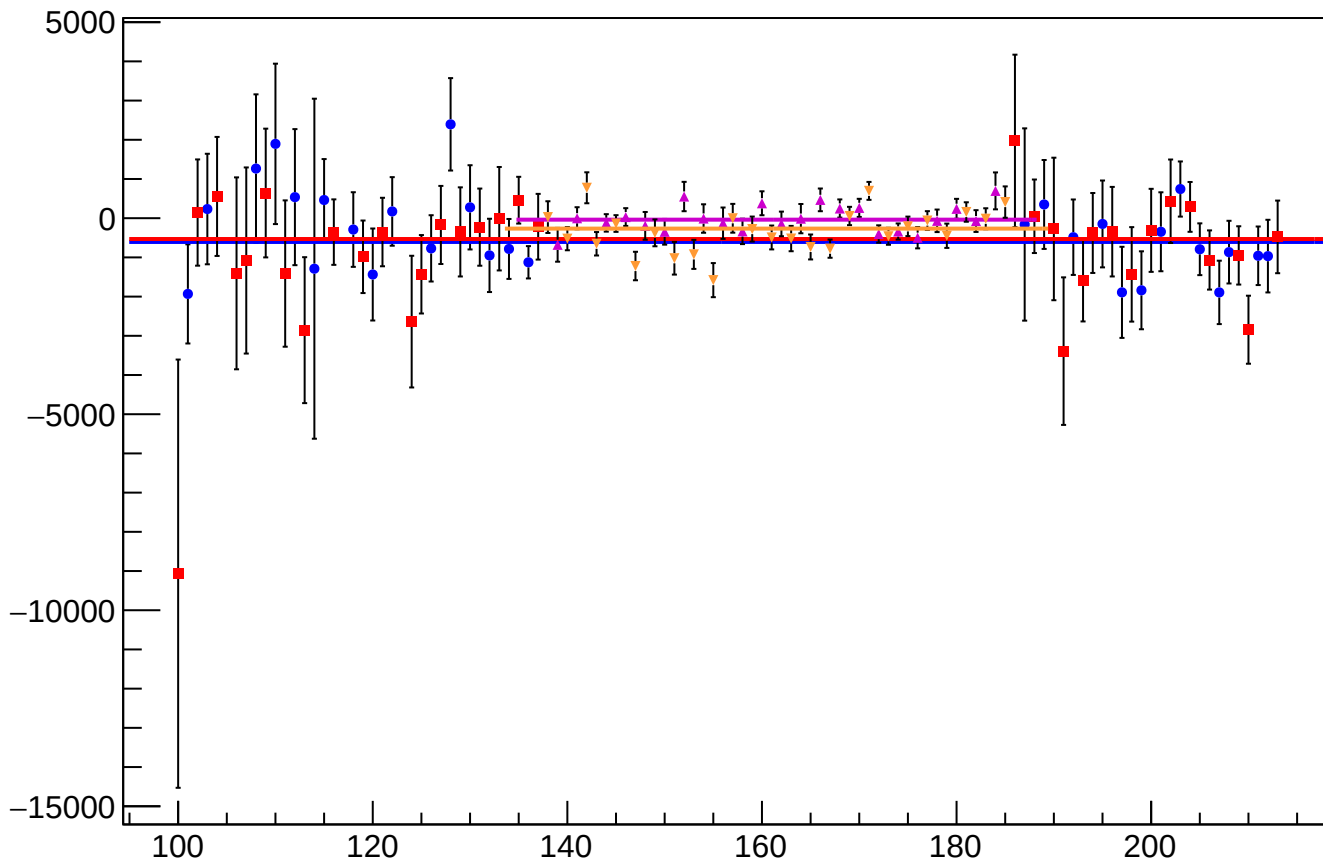
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.038 $\pm$ 0.007 χ^2 /NDF: 7934001.2/53

All: 54.716 $\pm$ 0.005 χ^2 /NDF: 17885226.8/110

- sign 55.440 $\pm$ 0.007 χ^2 /NDF: 9930150.4/56

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -605.991 ± 172.110 χ^2/NDF : 26.3/28

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -531.151 ± 180.304 χ^2/NDF : 27.8/33

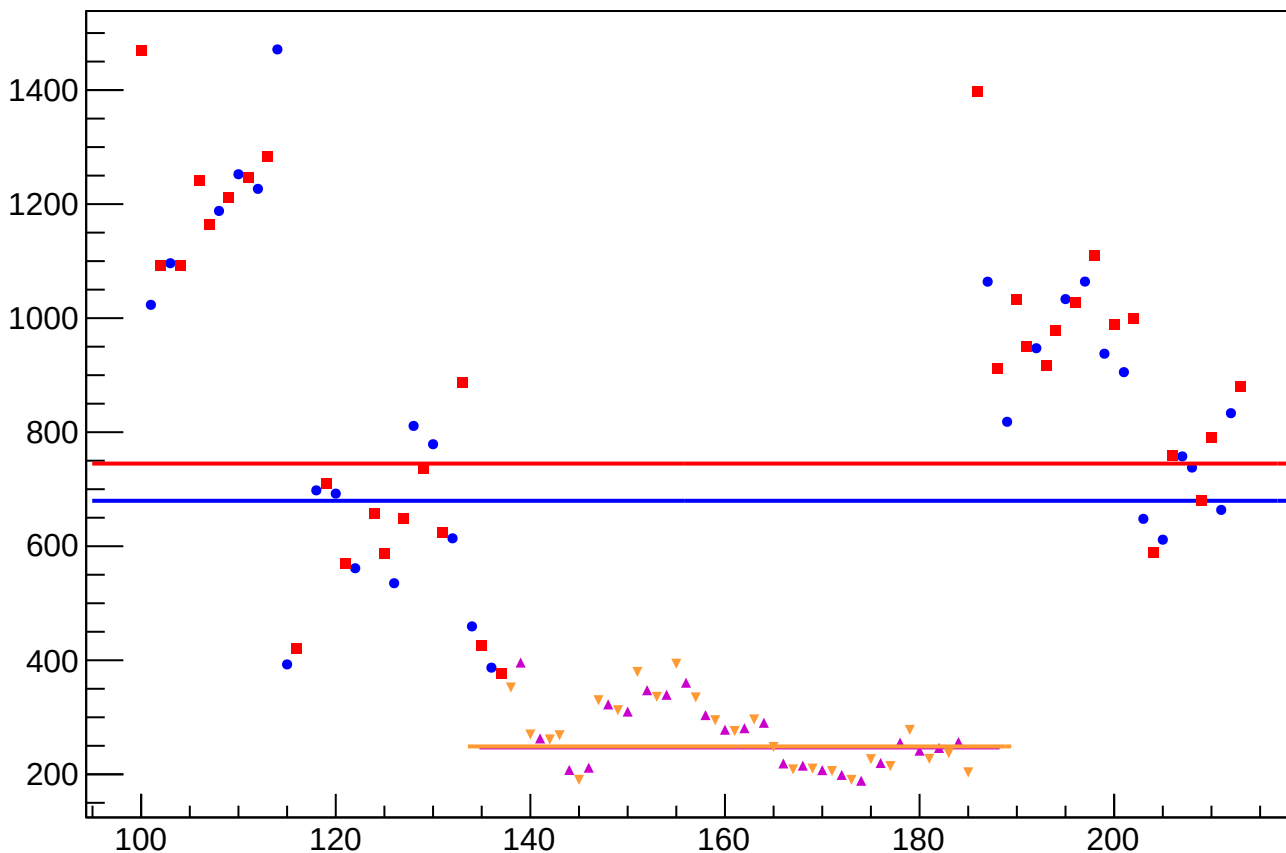
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -300.419 ± 54.990 χ^2/NDF : 99.6/53

All: -195.322 ± 39.308 χ^2/NDF : 168.3/110

- sign -85.503 ± 56.211 χ^2/NDF : 61.2/56

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 679.693 $\pm$ 0.122 χ^2 /NDF: 3363698.3/28

Left Out: 248.891 $\pm$ 0.041 χ^2 /NDF:1663717.9/24

Right Out: 744.940 $\pm$ 0.127 χ^2 /NDF: 3542065.0/33

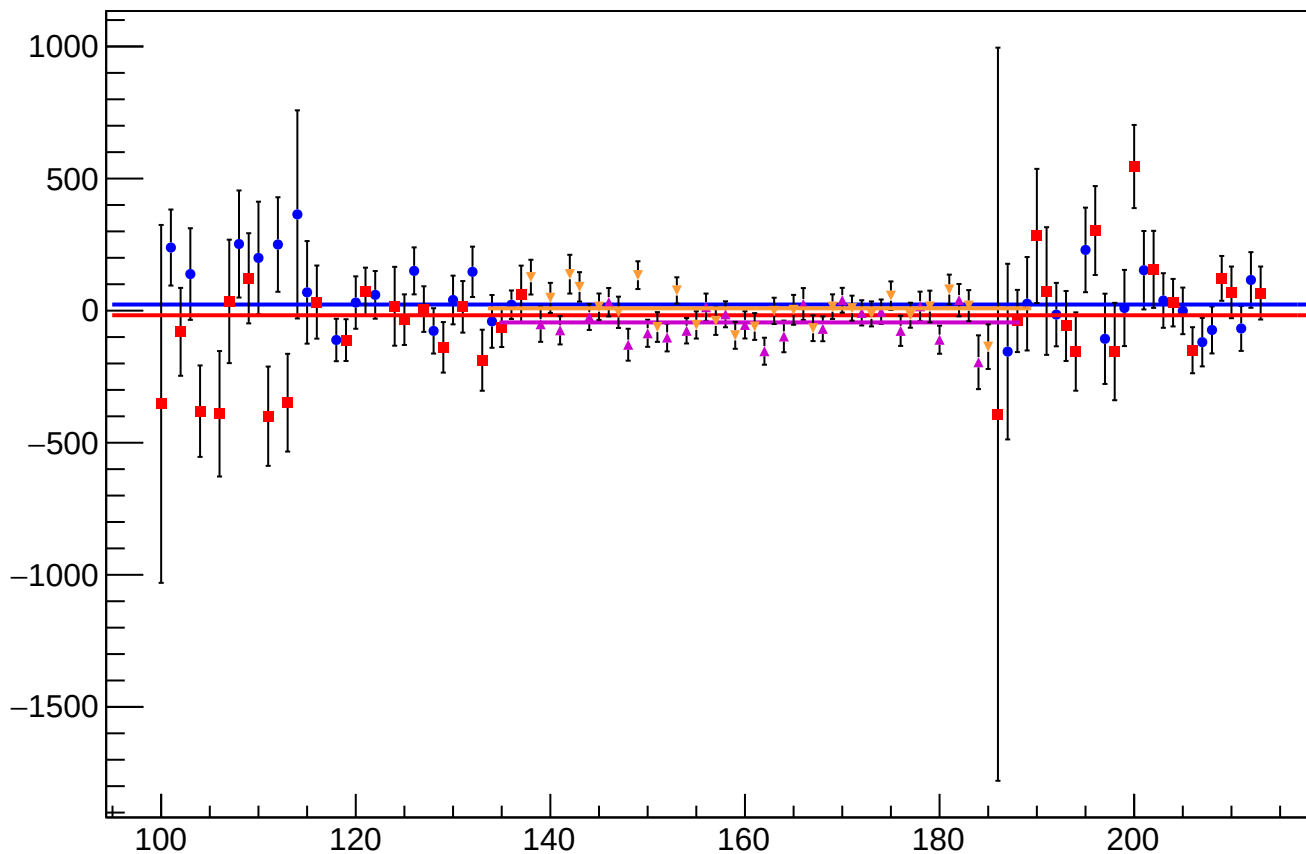
Left In: 247.109 $\pm$ 0.042 χ^2 /NDF:1484445.1/22

+ sign 292.868 $\pm$ 0.039 χ^2 /NDF: 16278901.2/53

All: 294.152 $\pm$ 0.028 χ^2 /NDF: 35072632.1/11

- sign 295.494 $\pm$ 0.040 χ^2 /NDF: 18791498.9/56

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 23.149 $\pm$ 20.087 χ^2 /NDF: 24.6/28

Left Out: 8.758 $\pm$ 10.770 χ^2 /NDF: 34.6/24

Right Out: -17.459 $\pm$ 20.669 χ^2 /NDF: 50.6/33

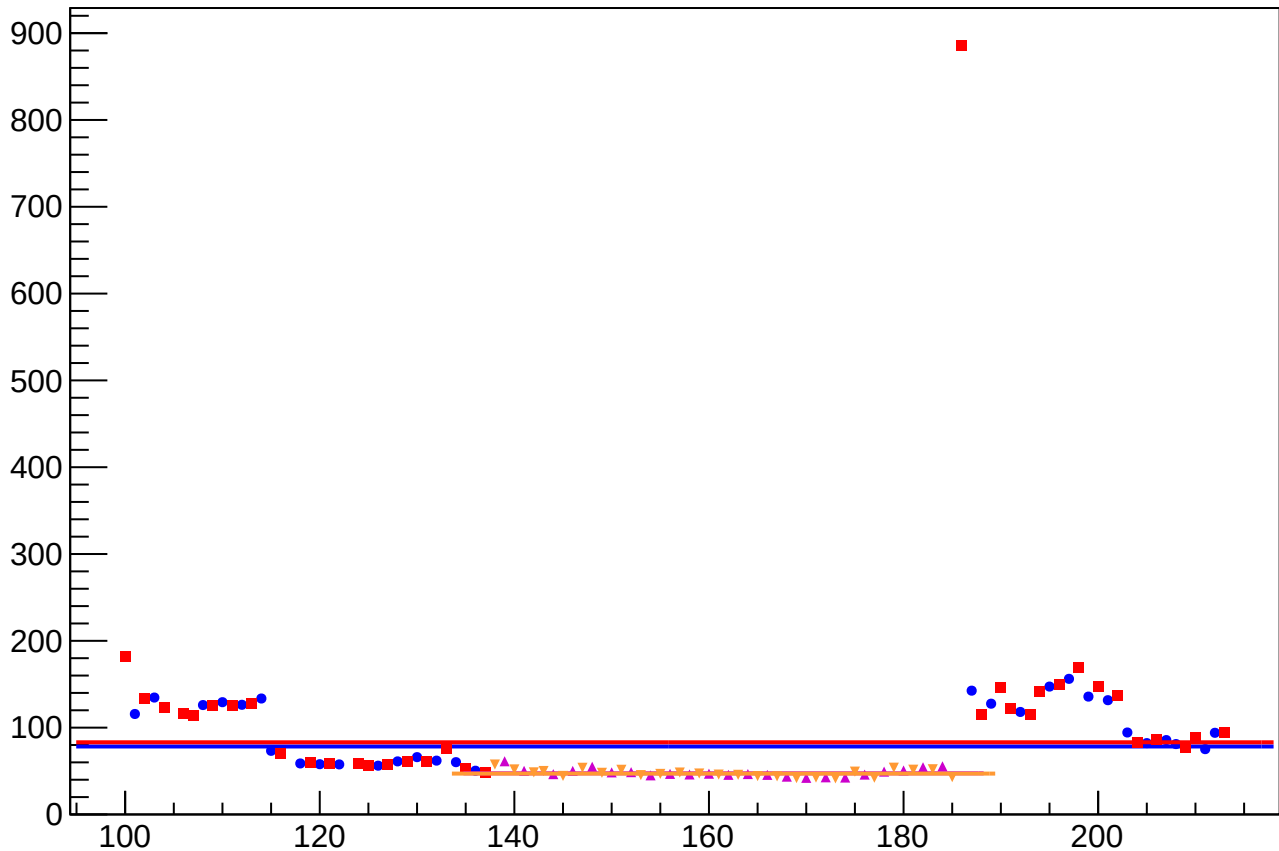
Left In: -44.540 $\pm$ 11.149 χ^2 /NDF: 27.0/22

+ sign 11.971 $\pm$ 9.491 χ^2 /NDF: 59.6/53

All: -12.396 $\pm$ 6.822 χ^2 /NDF: 152.2/110

- sign -38.437 $\pm$ 9.812 χ^2 /NDF: 79.0/56

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.302 $\pm$ 0.014 χ^2 /NDF: 3889517.9/28

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 83.131 $\pm$ 0.015 χ^2 /NDF: 5024986.5/33

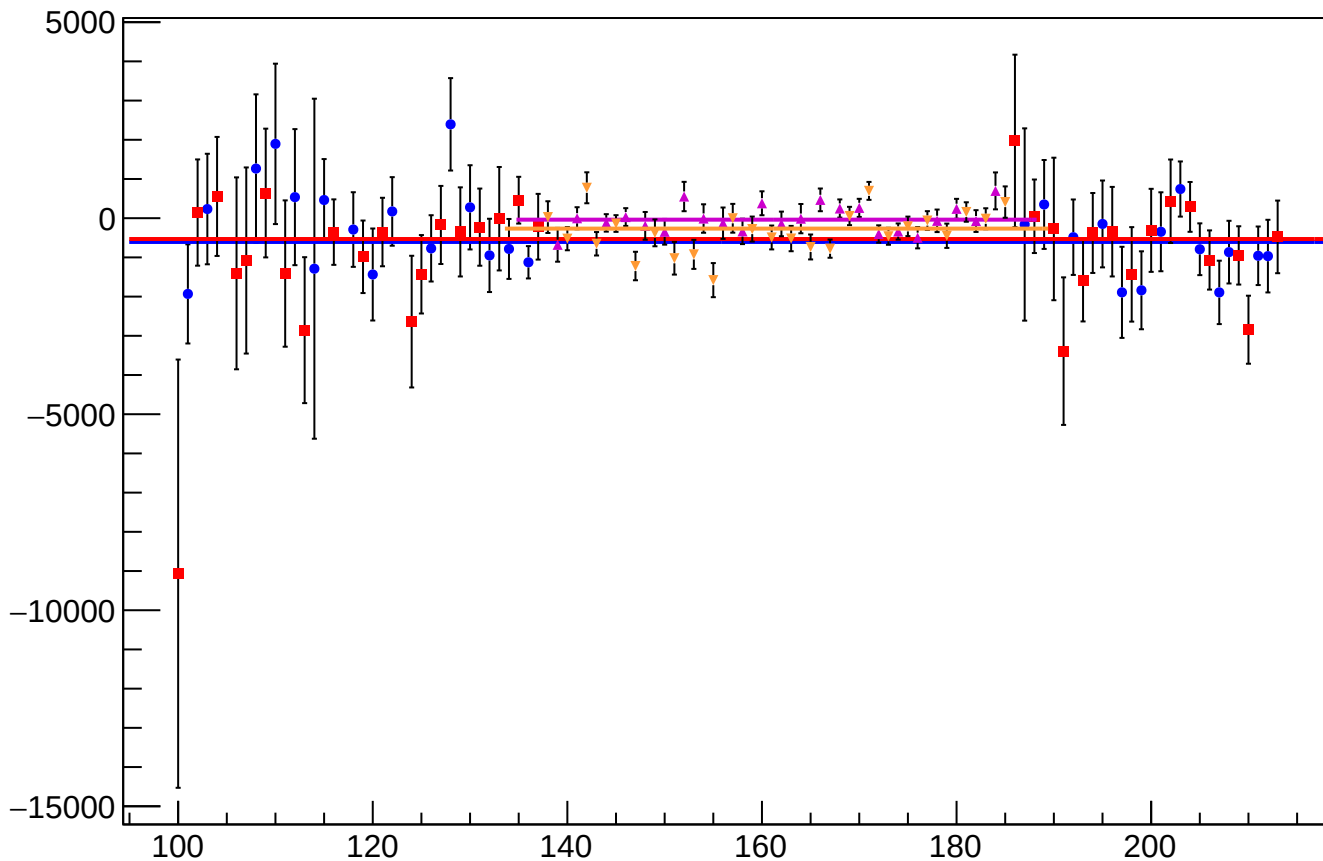
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 54.038 $\pm$ 0.007 χ^2 /NDF: 7934001.2/53

All: 54.716 $\pm$ 0.005 χ^2 /NDF: 17885226.8/110

- sign 55.440 $\pm$ 0.007 χ^2 /NDF: 9930150.4/56

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -605.991 ± 172.110 χ^2/NDF : 26.3/28

Left Out: -265.680 ± 58.031 χ^2/NDF : 69.8/24

Right Out: -531.151 ± 180.304 χ^2/NDF : 27.8/33

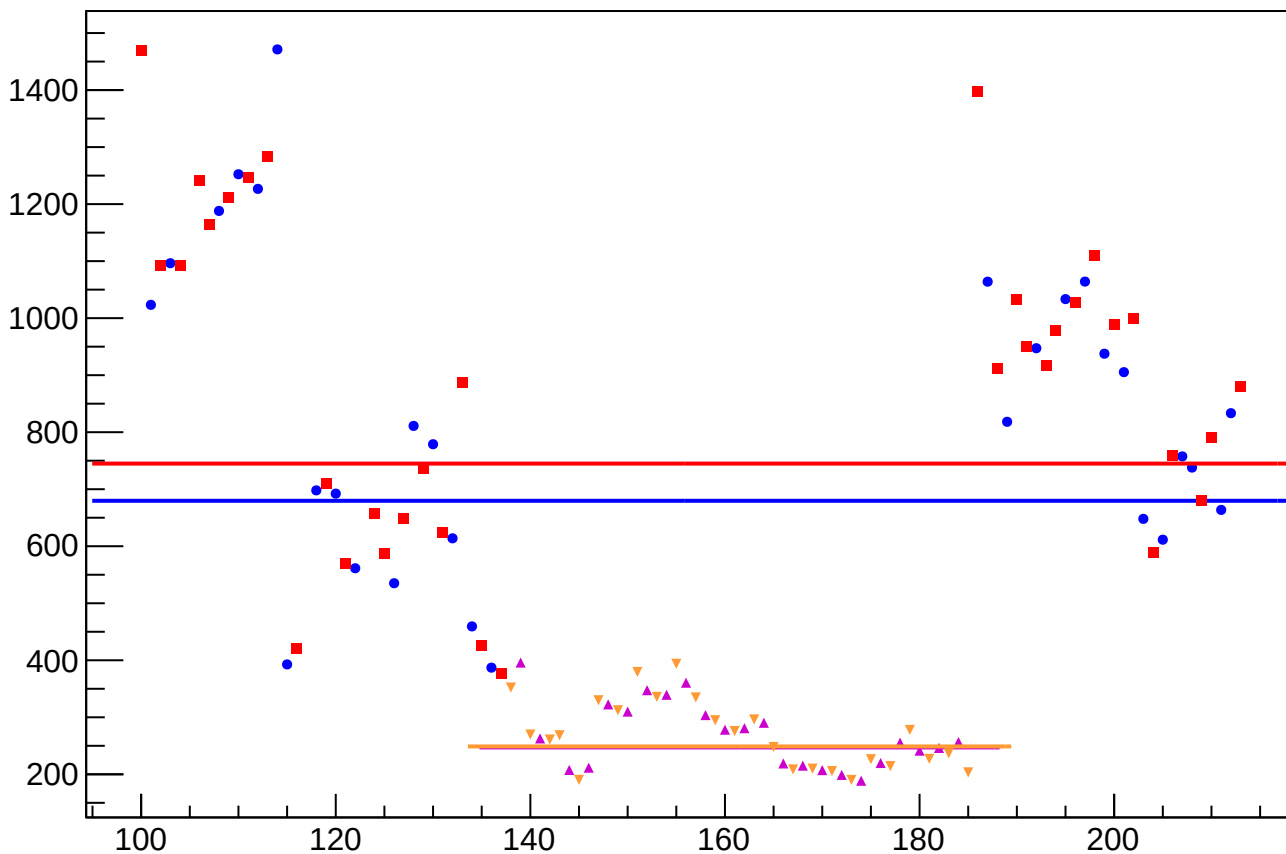
Left In: -37.527 ± 59.159 χ^2/NDF : 26.6/22

+ sign -300.419 ± 54.990 χ^2/NDF : 99.6/53

All: -195.322 ± 39.308 χ^2/NDF : 168.3/110

- sign -85.503 ± 56.211 χ^2/NDF : 61.2/56

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 679.693 ± 0.122 χ^2/NDF : 3363698.3/28

Left Out: 248.891 ± 0.041 χ^2/NDF : 1663717.9/24

Right Out: 744.940 ± 0.127 χ^2/NDF : 3542065.0/33

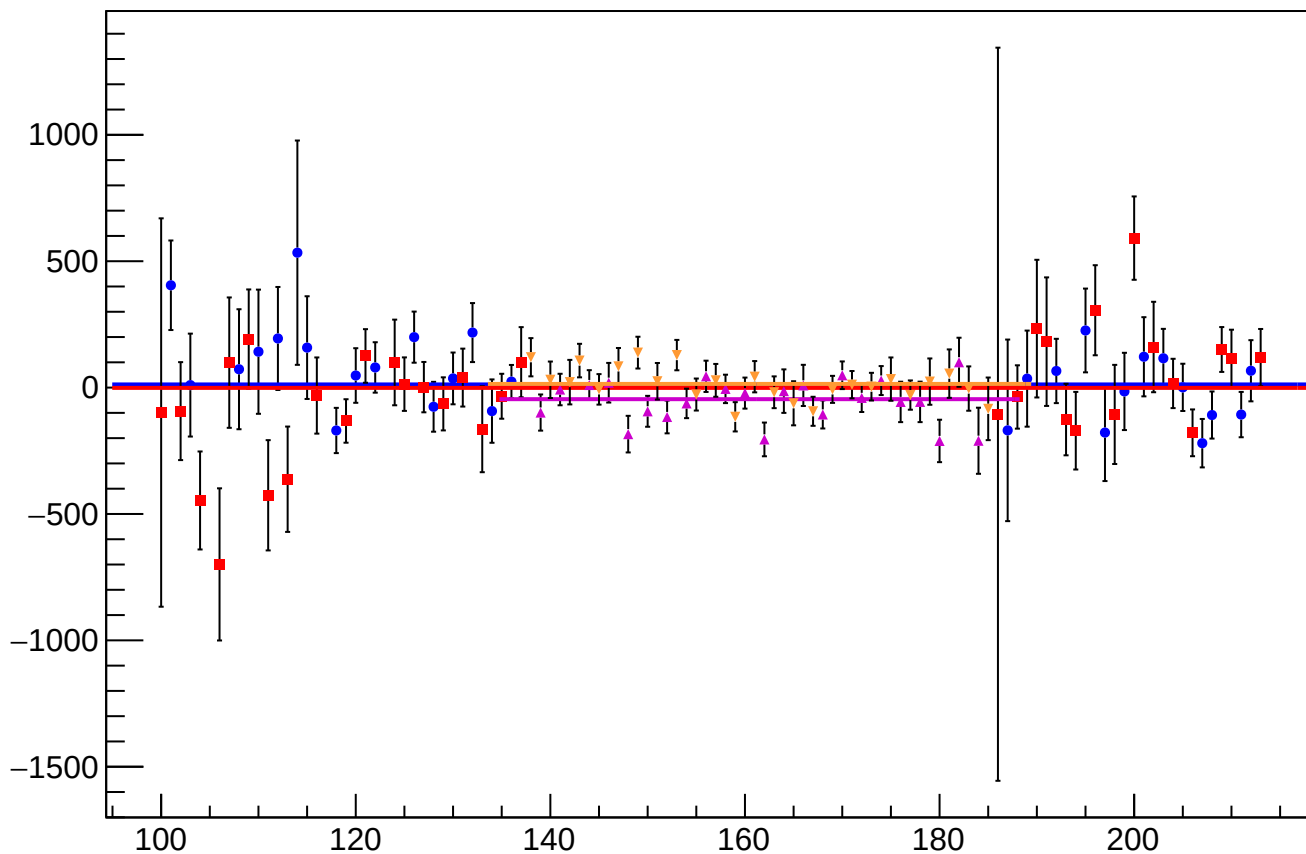
Left In: 247.109 ± 0.042 χ^2/NDF : 1484445.1/22

+ sign 292.868 ± 0.039 χ^2/NDF : 16278901.2/53

All: 294.152 ± 0.028 χ^2/NDF : 35072632.1/11

- sign 295.494 ± 0.040 χ^2/NDF : 18791498.9/56

dit_asym_sam_1526_avg_mean vs Slug



Right In: 12.482 ± 22.544 χ^2/NDF : 34.7/28

Left Out: 14.498 ± 13.454 χ^2/NDF : 24.5/24

Right Out: -1.127 ± 23.315 χ^2/NDF : 54.2/33

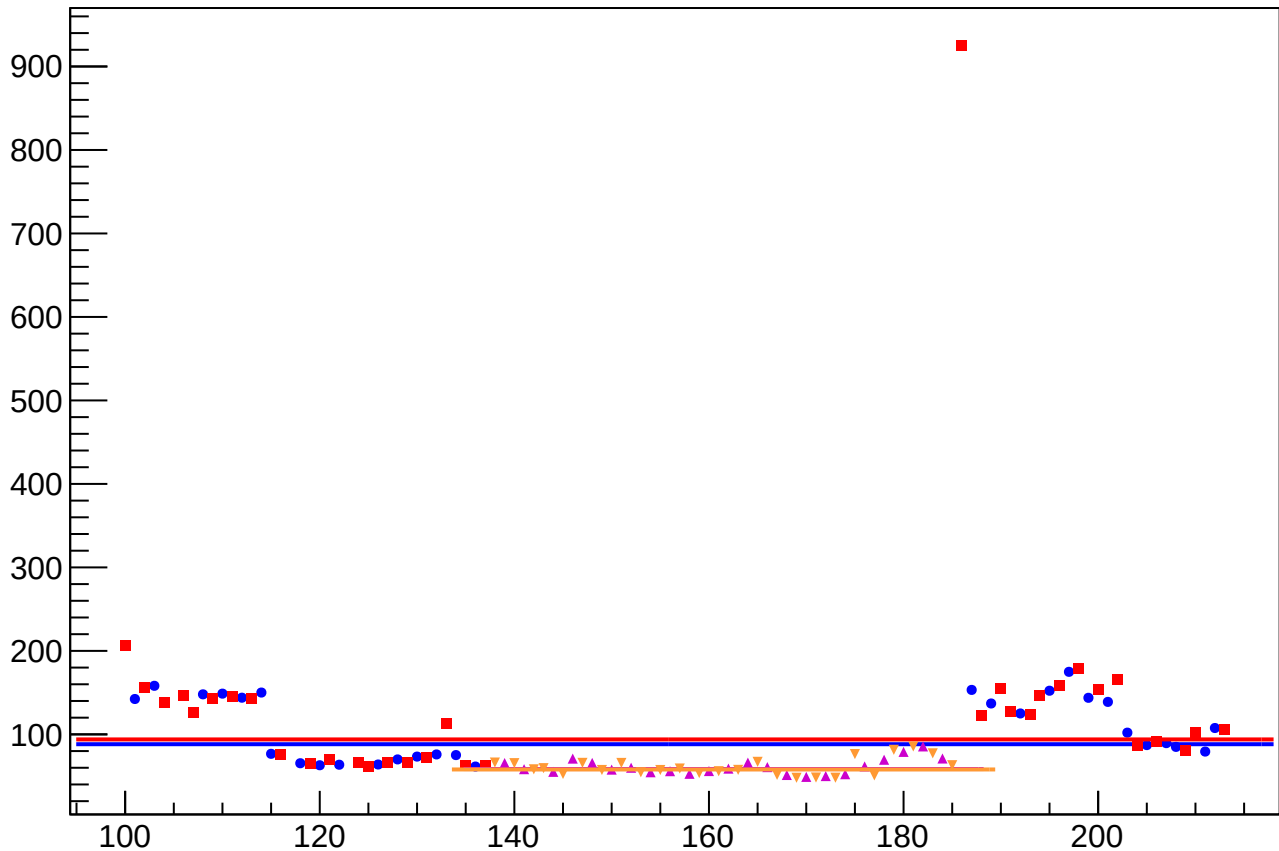
Left In: -45.806 ± 13.931 χ^2/NDF : 30.7/22

+ sign 13.969 ± 11.553 χ^2/NDF : 59.2/53

All: -9.213 ± 8.309 χ^2/NDF : 155.3/110

- sign -34.051 ± 11.959 χ^2/NDF : 87.7/56

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.217 $\pm$ 0.016 χ^2/NDF : 3472910.3/28

Left Out: 57.965 $\pm$ 0.010 χ^2/NDF : 896947.4/24

Right Out: 93.949 $\pm$ 0.016 χ^2/NDF : 4635532.4/33

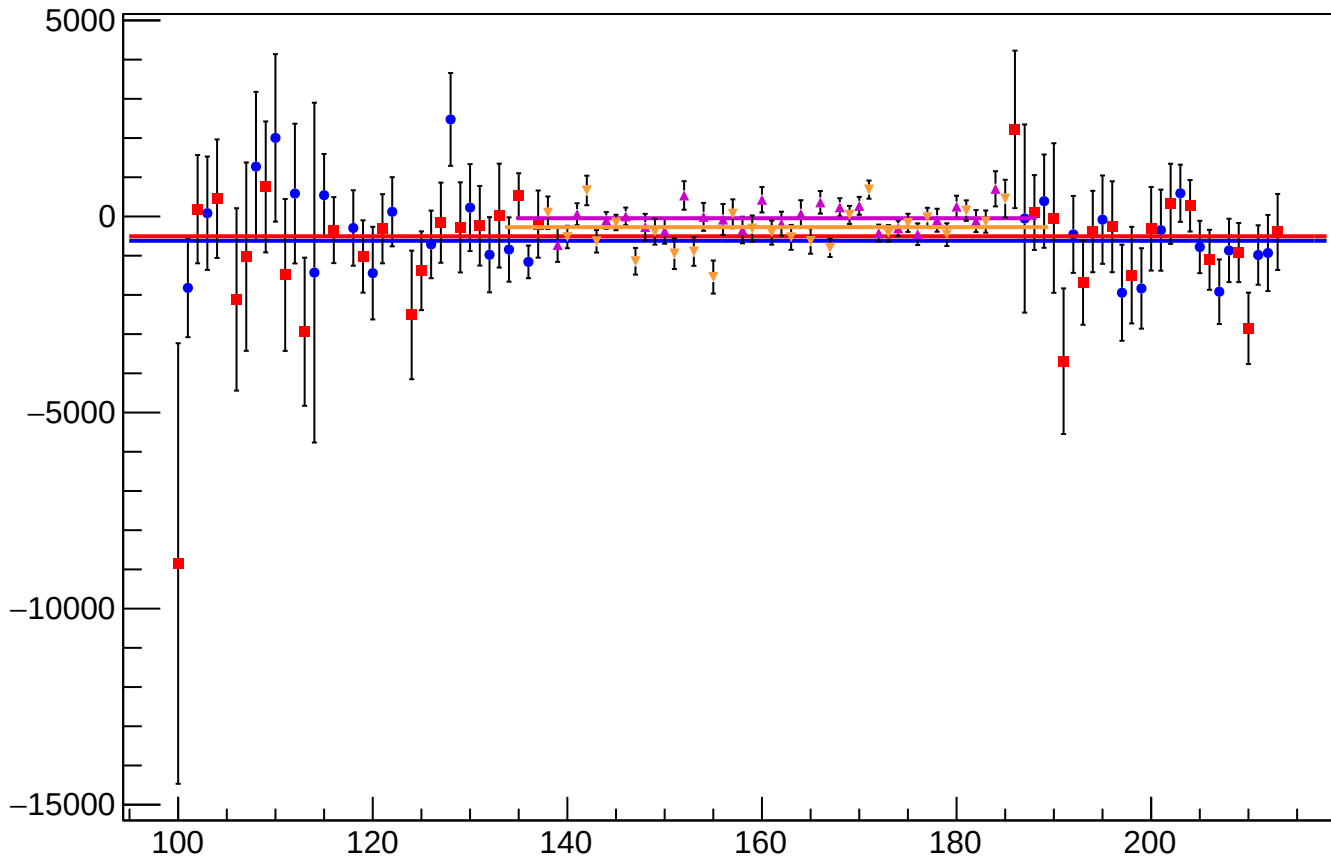
Left In: 58.479 $\pm$ 0.010 χ^2/NDF : 649919.9/22

+ sign 65.910 $\pm$ 0.008 χ^2/NDF : 7025296.4/53

All: 66.828 $\pm$ 0.006 χ^2/NDF : 15747909.1/110

- sign 67.811 $\pm$ 0.008 χ^2/NDF : 8696470.6/56

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -619.534 $\pm$ 175.765 χ^2/NDF : 25.4/28

Left Out: -272.513 $\pm$ 57.274 χ^2/NDF : 65.8/24

Right Out: -505.063 $\pm$ 181.969 χ^2/NDF : 29.2/33

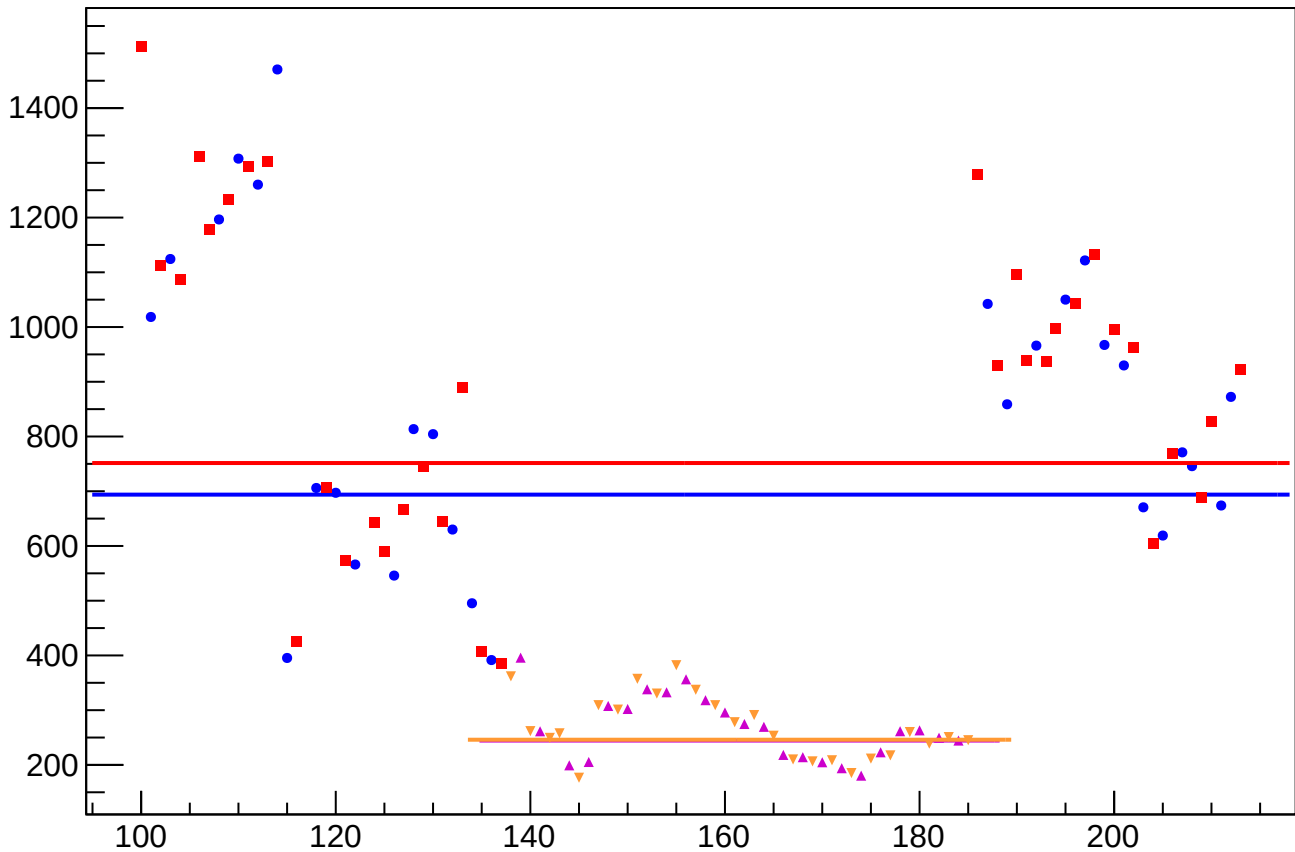
Left In: -44.553 $\pm$ 58.614 χ^2/NDF : 26.5/22

+ sign -305.824 $\pm$ 54.456 χ^2/NDF : 94.7/53

All: -199.473 $\pm$ 38.970 χ^2/NDF : 164.0/110

- sign -87.842 $\pm$ 55.791 χ^2/NDF : 61.5/56

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 693.803 ± 0.124 χ^2/NDF : 3410470.0/28

Left Out: 246.017 ± 0.040 χ^2/NDF : 1680565.1/24

Right Out: 751.532 ± 0.129 χ^2/NDF : 3707330.3/33

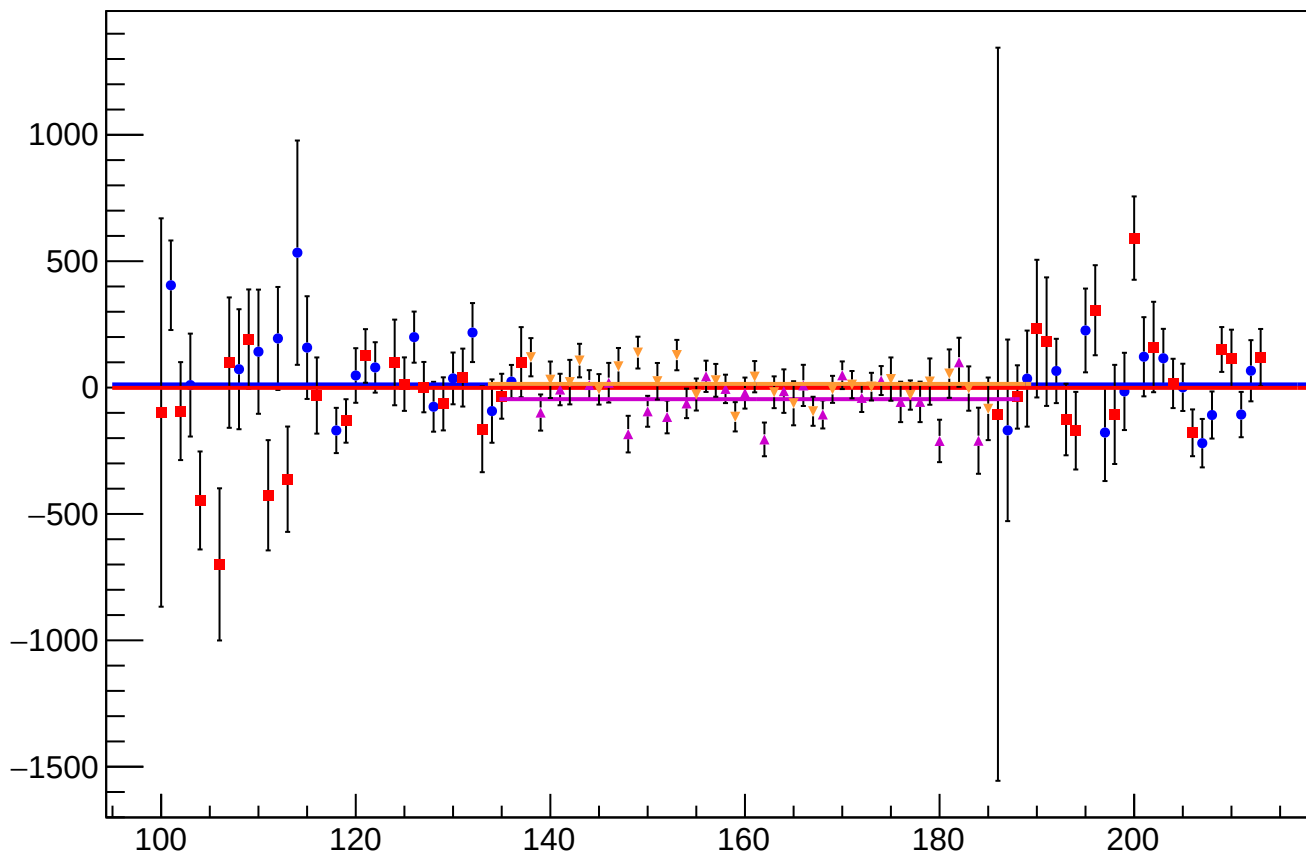
Left In: 244.450 ± 0.041 χ^2/NDF : 1596988.0/22

+ sign 288.999 ± 0.039 χ^2/NDF : 16825923.6/53

All: 290.520 ± 0.028 χ^2/NDF : 36204263.9/1

- sign 292.117 ± 0.039 χ^2/NDF : 19375142.1/56

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 12.484 $\pm$ 22.544 χ^2 /NDF: 34.7/28

Left Out: 14.498 $\pm$ 13.454 χ^2 /NDF: 24.5/24

Right Out: -1.126 $\pm$ 23.315 χ^2 /NDF: 54.2/33

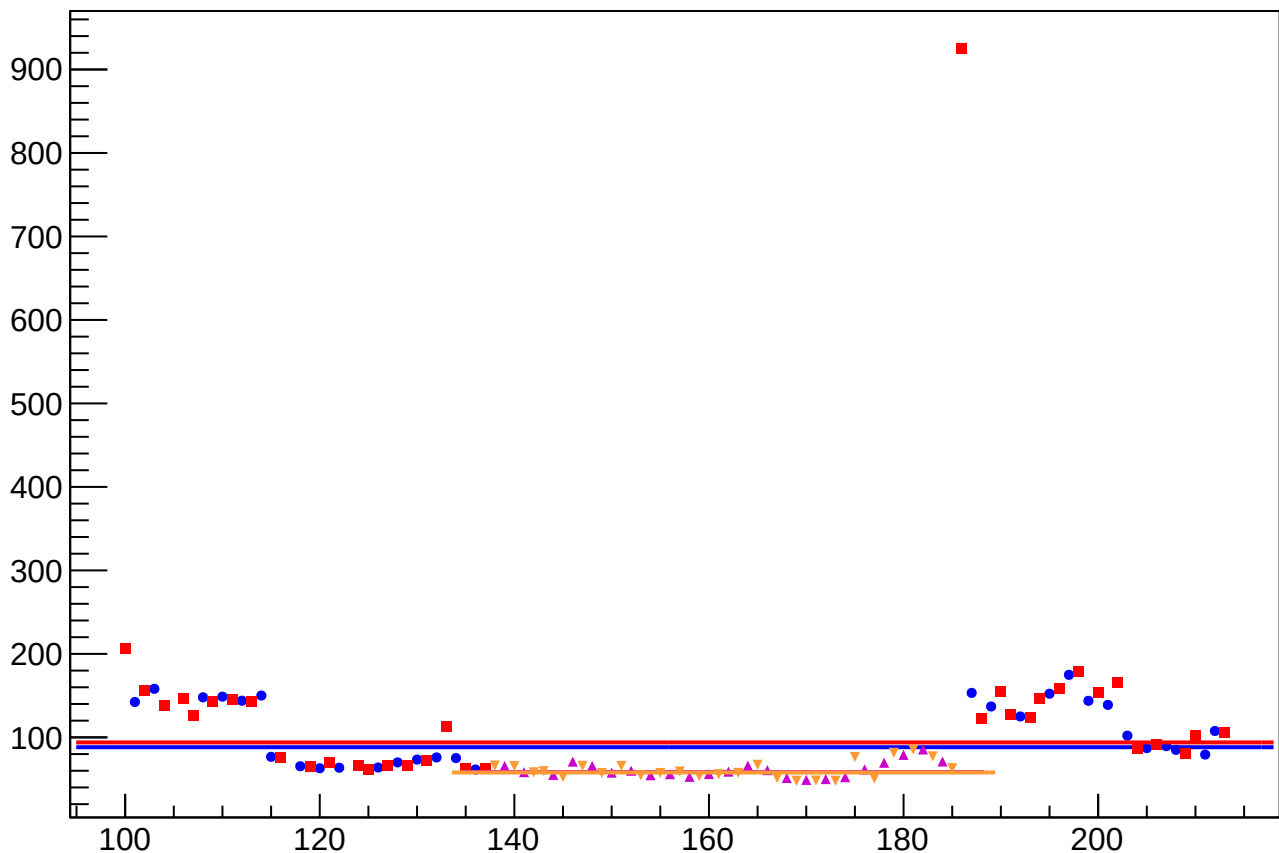
Left In: -45.805 $\pm$ 13.931 χ^2 /NDF: 30.7/22

+ sign 13.969 $\pm$ 11.553 χ^2 /NDF: 59.2/53

All: -9.212 $\pm$ 8.309 χ^2 /NDF: 155.3/110

- sign -34.050 $\pm$ 11.959 χ^2 /NDF: 87.7/56

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.216 $\pm$ 0.016 χ^2 /NDF: 3472915.1/28

Left Out: 57.965 $\pm$ 0.010 χ^2 /NDF: 896952.8/24

Right Out: 93.948 $\pm$ 0.016 χ^2 /NDF: 4635542.7/33

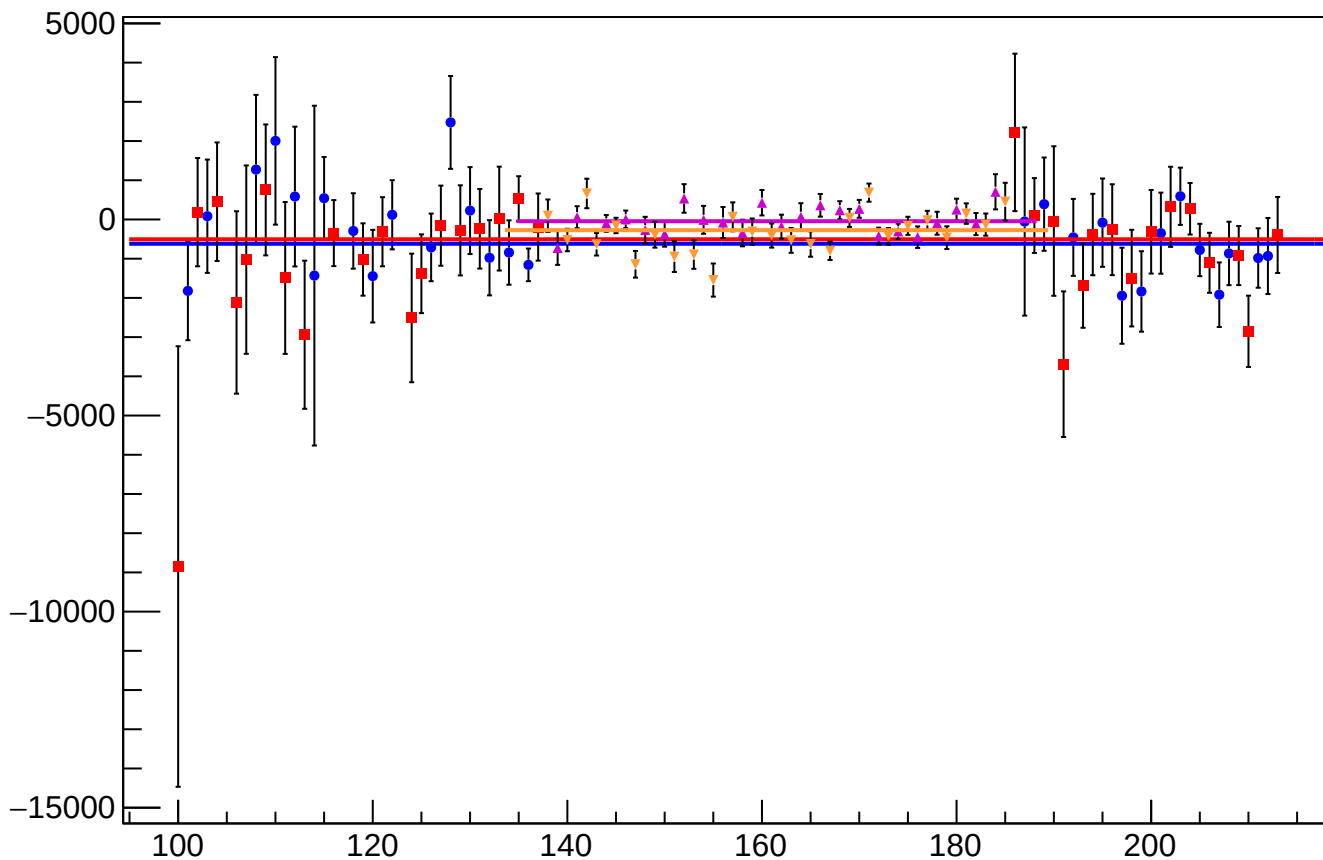
Left In: 58.479 $\pm$ 0.010 χ^2 /NDF: 649911.4/22

+ sign 65.910 $\pm$ 0.008 χ^2 /NDF: 7025253.3/53

All: 66.828 $\pm$ 0.006 χ^2 /NDF: 15747799.1/110

- sign 67.811 $\pm$ 0.008 χ^2 /NDF: 8696401.7/56

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -619.532 ± 175.765 χ^2/NDF : 25.4/28

Left Out: -272.512 ± 57.274 χ^2/NDF : 65.8/24

Right Out: -505.063 ± 181.969 χ^2/NDF : 29.2/33

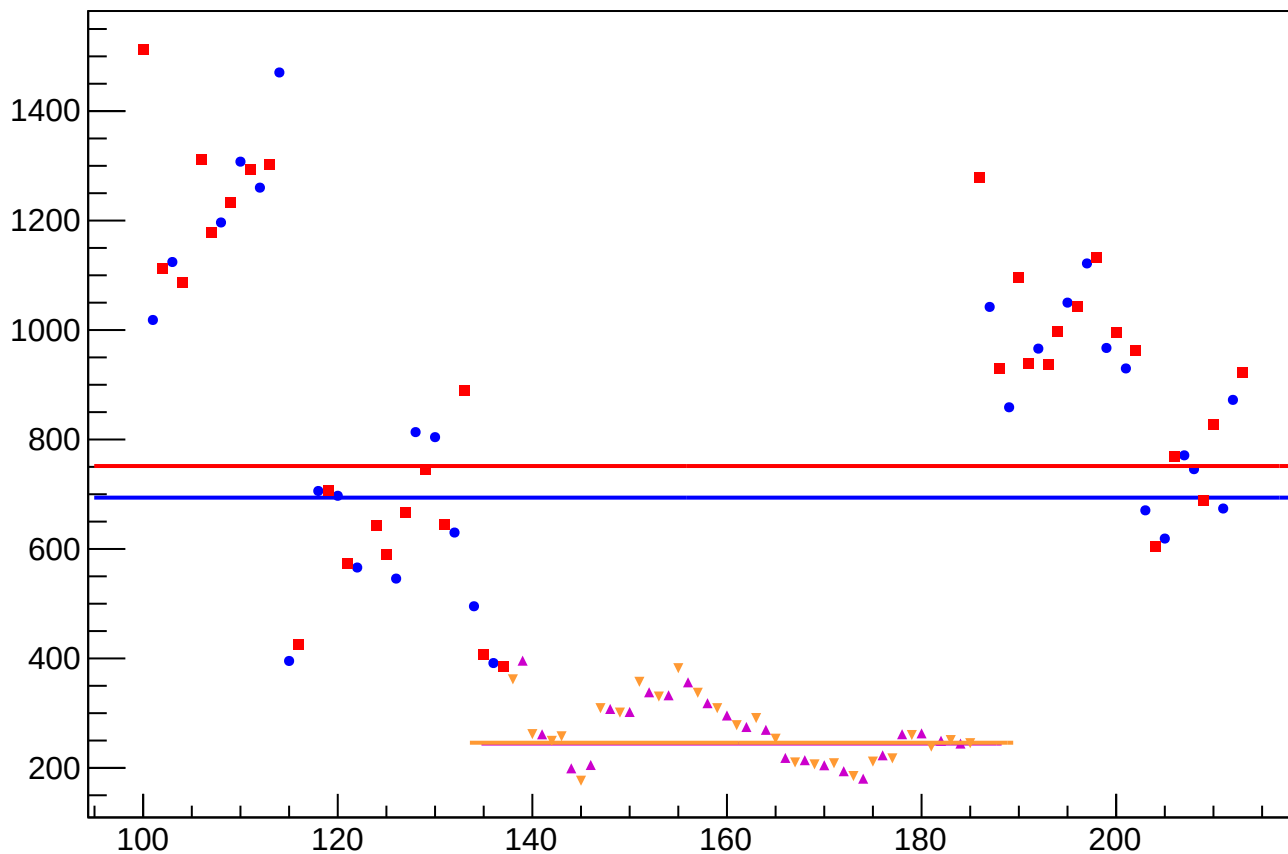
Left In: -44.552 ± 58.614 χ^2/NDF : 26.5/22

+ sign -305.823 ± 54.456 χ^2/NDF : 94.7/53

All: -199.472 ± 38.970 χ^2/NDF : 164.0/110

- sign -87.841 ± 55.791 χ^2/NDF : 61.5/56

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 693.802 ± 0.124 χ^2/NDF : 3410454.2/28

Left Out: 246.016 ± 0.040 χ^2/NDF : 1680566.1/24

Right Out: 751.531 ± 0.129 χ^2/NDF : 3707309.9/33

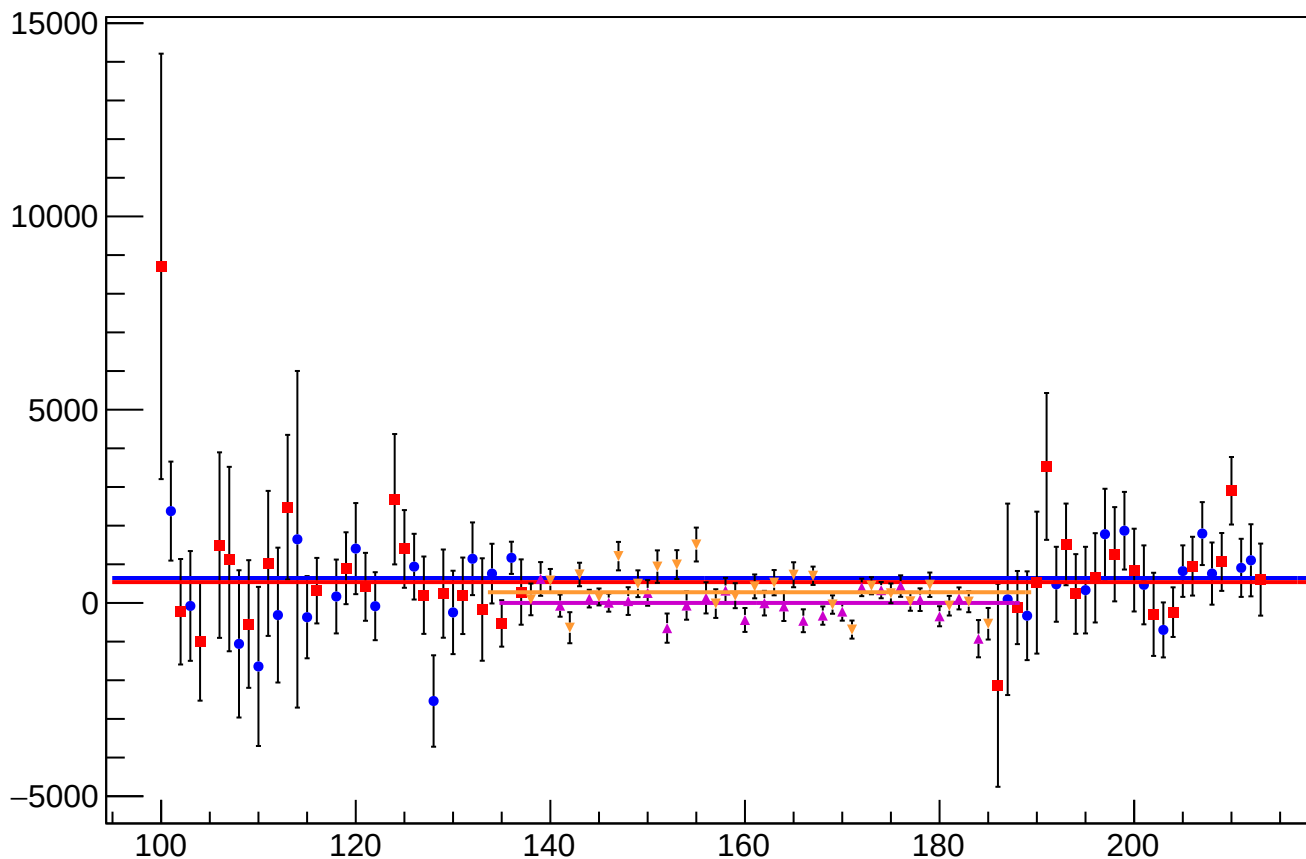
Left In: 244.450 ± 0.041 χ^2/NDF : 1596977.8/22

+ sign 288.999 ± 0.039 χ^2/NDF : 16825933.0/53

All: 290.520 ± 0.028 χ^2/NDF : 36204263.6/1

- sign 292.117 ± 0.039 χ^2/NDF : 19375132.0/56

asym_sam_1526_avg_mean vs Slug



Right In: 645.359 ± 173.622 χ^2/NDF : 26.0/28

Left Out: 277.077 ± 59.149 χ^2/NDF : 64.1/24

Right Out: 539.297 ± 181.887 χ^2/NDF : 27.3/33

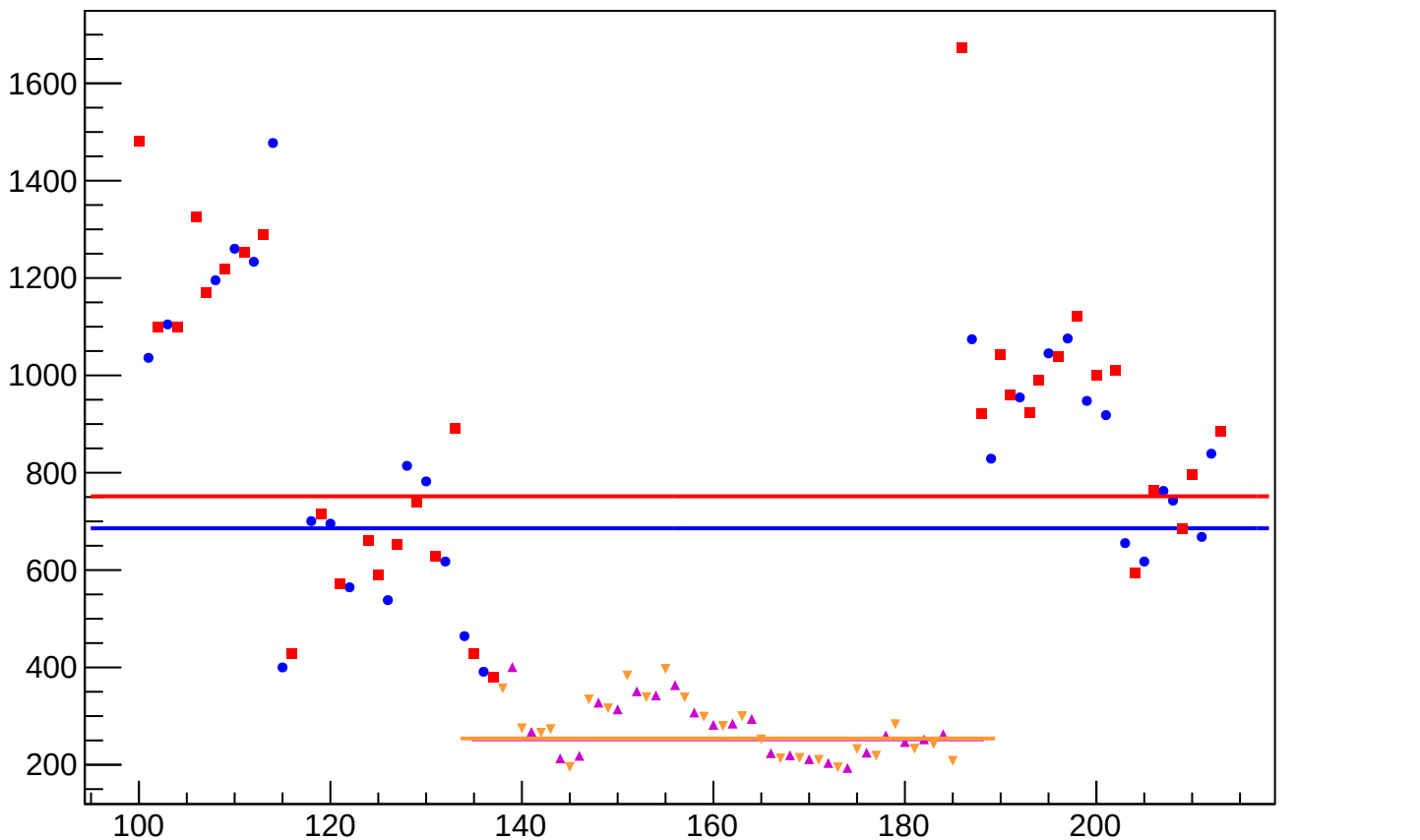
Left In: 0.556 ± 60.356 χ^2/NDF : 28.1/22

+ sign 315.375 ± 55.989 χ^2/NDF : 94.1/53

All: 187.674 ± 40.040 χ^2/NDF : 168.1/110

- sign 53.994 ± 57.285 χ^2/NDF : 63.3/56

asym_sam_1526_avg_rms vs Slug



Right In: 685.808 $\pm$ 0.123 χ^2 /NDF: 3351332.5/28

Left Out: 253.953 $\pm$ 0.042 χ^2 /NDF:1590761.5/24

Right Out: 751.512 $\pm$ 0.129 χ^2 /NDF: 3643508.5/33

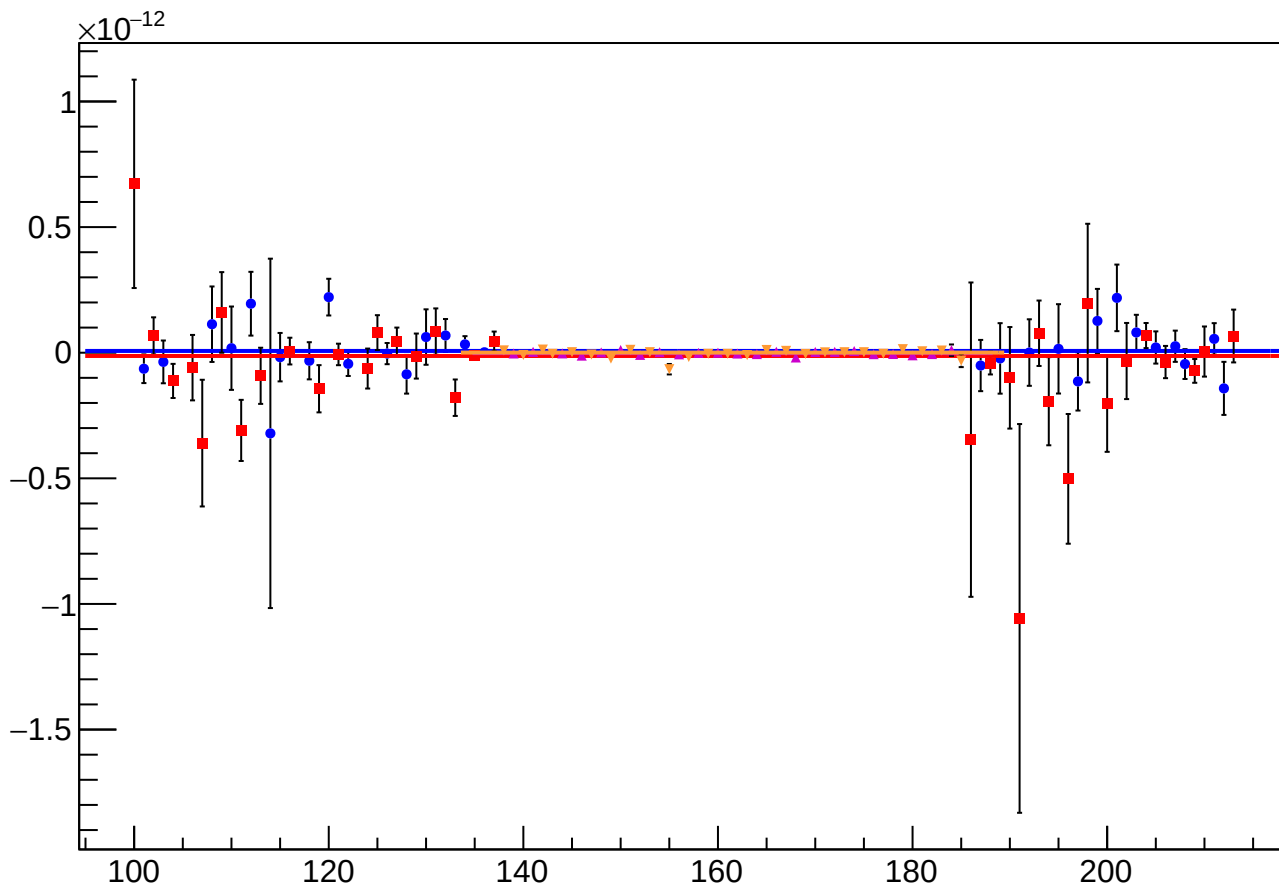
Left In: 252.390 $\pm$ 0.043 χ^2 /NDF:1412169.8/22

+ sign 298.862 $\pm$ 0.040 χ^2 /NDF: 16028944.4/53

All: 300.345 $\pm$ 0.028 χ^2 /NDF: 34654141.7/11

- sign 301.898 $\pm$ 0.041 χ^2 /NDF: 18622323.2/56

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/33

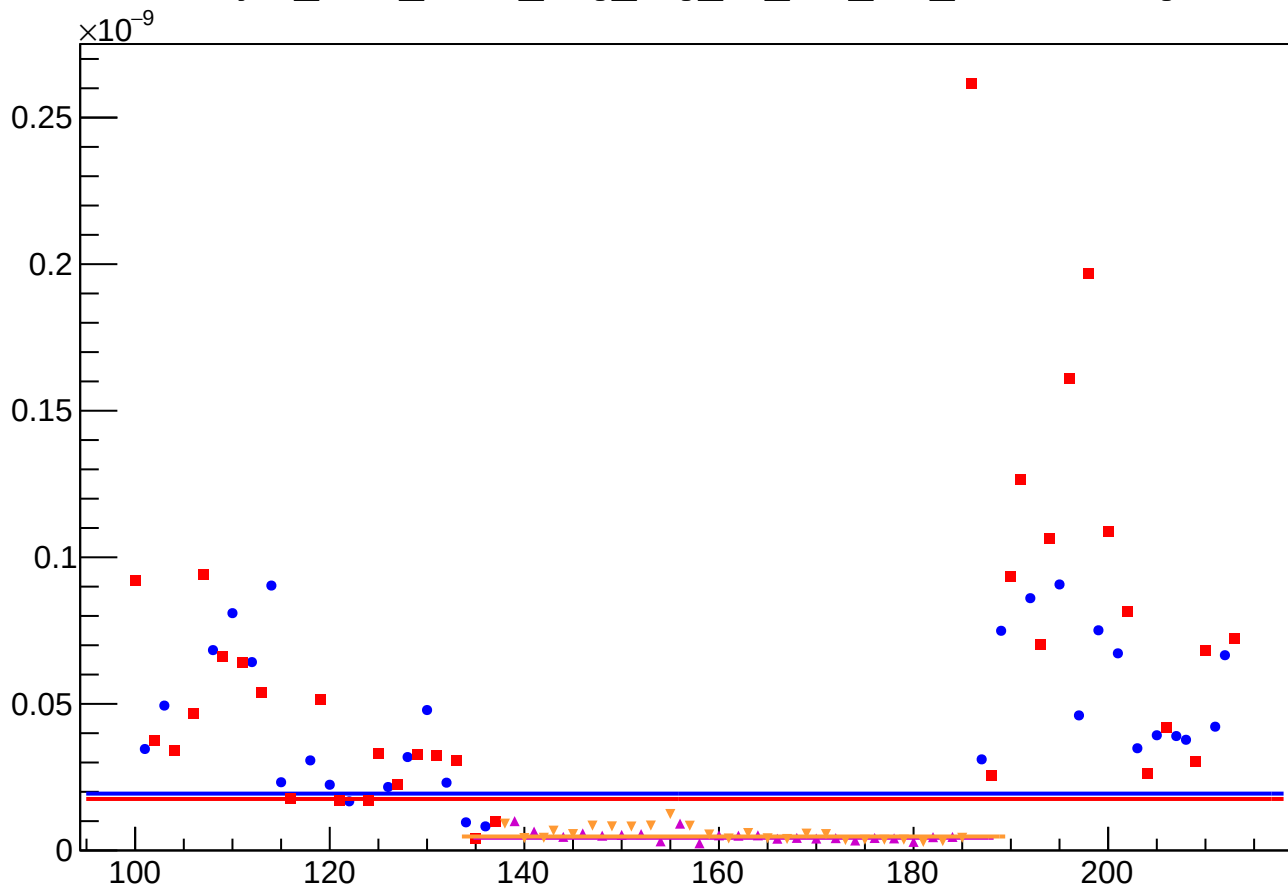
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.1/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 115.3/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.0/56

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6236697.7/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9121923.2/33

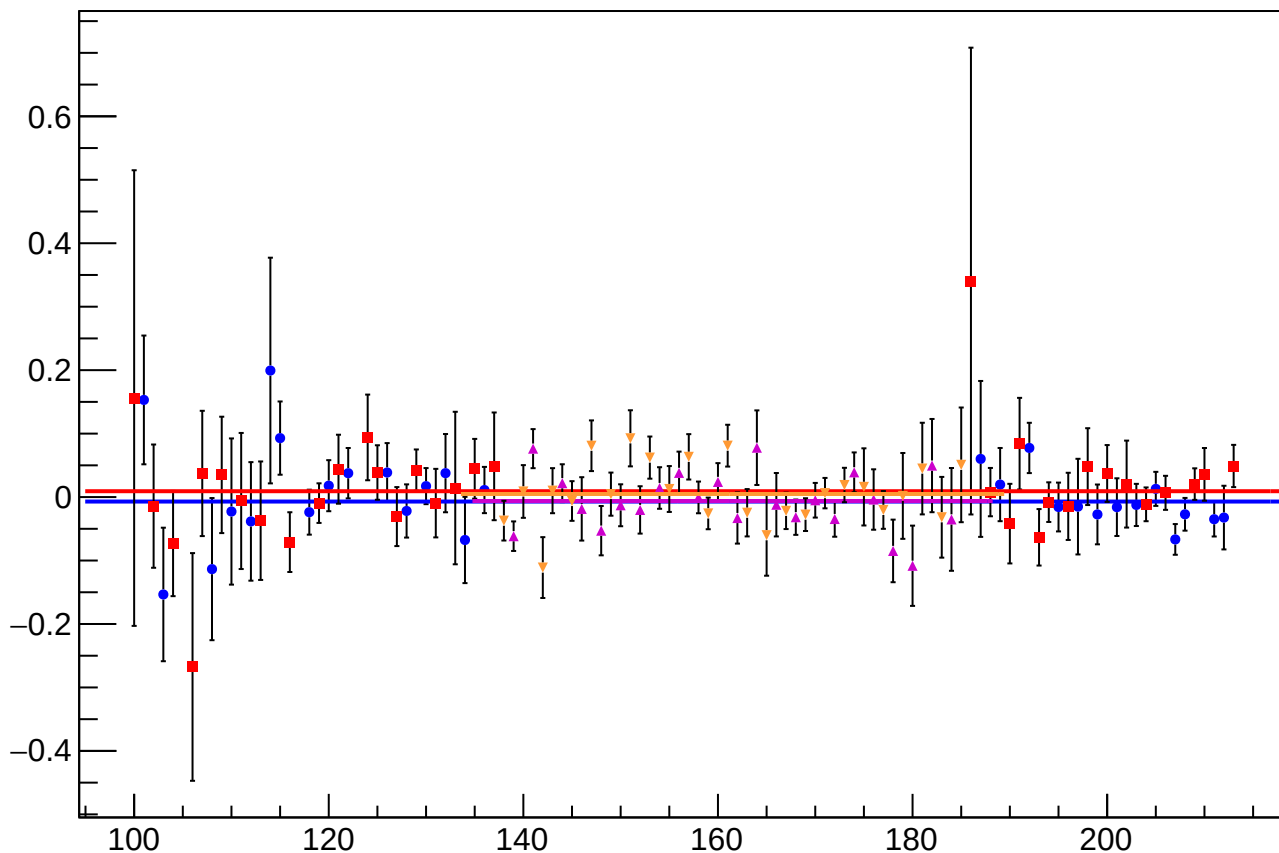
Left In: 0.000+/-0.000 χ^2/NDF : 983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12293956.4/53

All: 0.000+/-0.000 χ^2/NDF : 26185999.5/110

- sign 0.000+/-0.000 χ^2/NDF : 13816682.5/56

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 29.0/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.009 ± 0.008 χ^2/NDF : 21.6/33

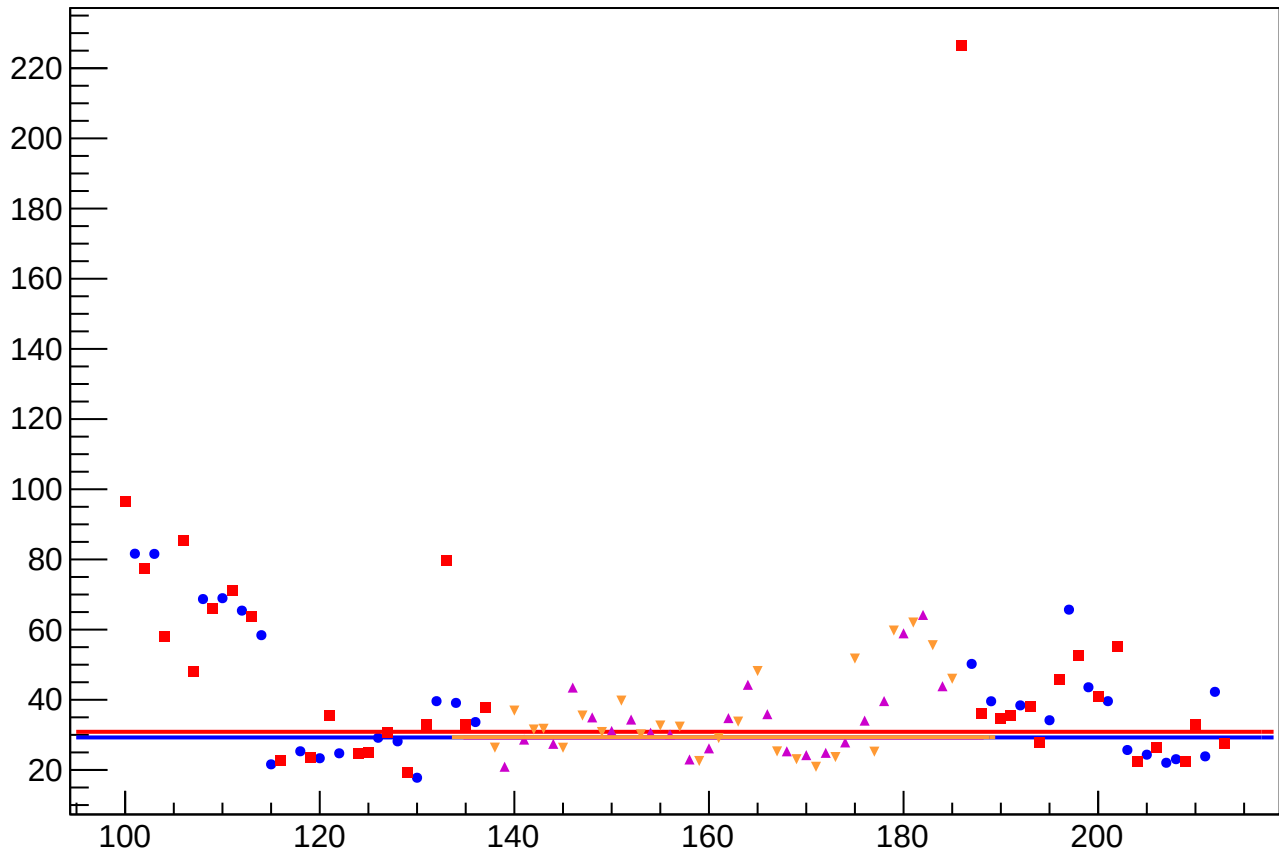
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign -0.001 ± 0.005 χ^2/NDF : 64.2/53

All: 0.000 ± 0.004 χ^2/NDF : 118.9/110

- sign 0.001 ± 0.005 χ^2/NDF : 54.7/56

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.267 $\pm$ 0.006 χ^2 /NDF: 4062519.2/28

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687159.2/24

Right Out: 30.878 $\pm$ 0.006 χ^2 /NDF: 4639328.0/33

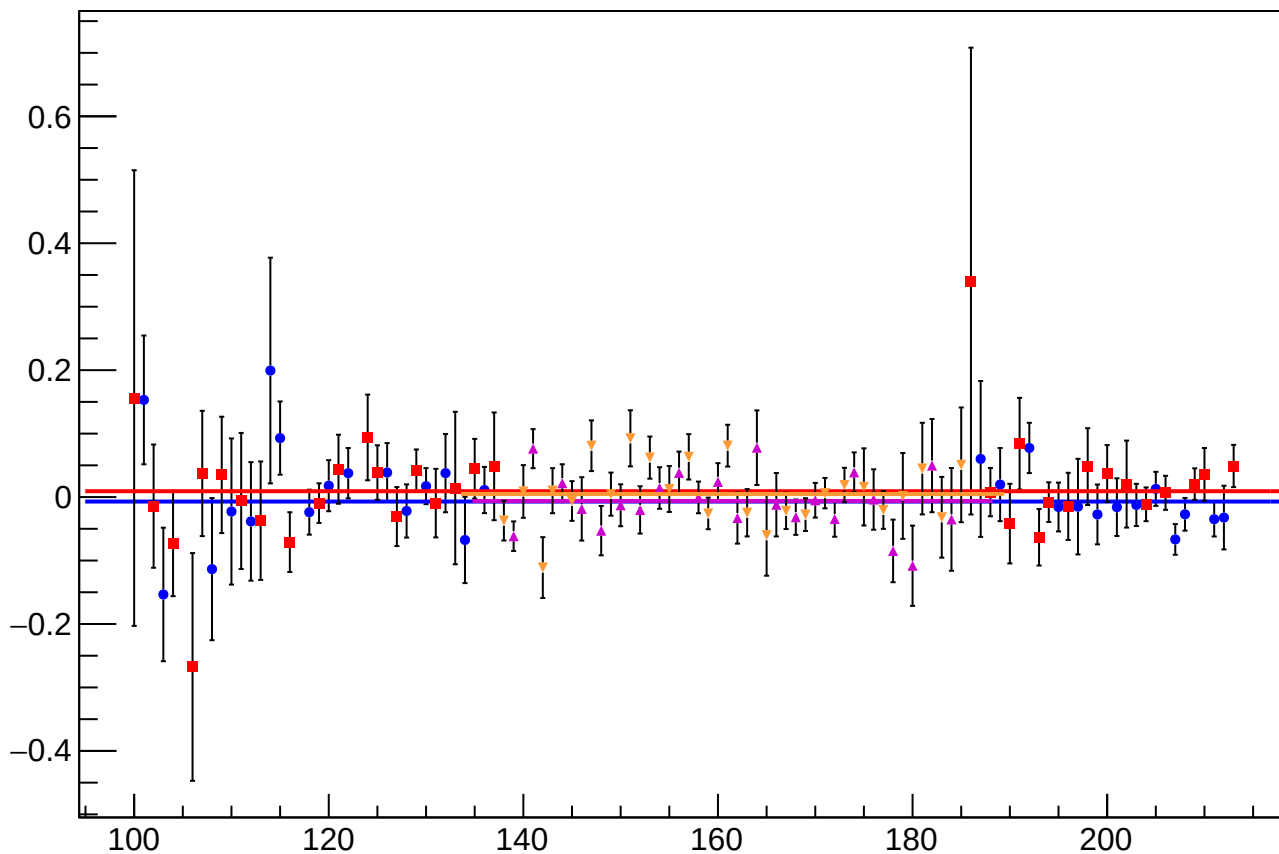
Left In: 29.226 $\pm$ 0.005 χ^2 /NDF: 2097657.8/22

+ sign 29.306 $\pm$ 0.004 χ^2 /NDF: 6749767.8/53

All: 29.631 $\pm$ 0.003 χ^2 /NDF: 13549230.6/110

- sign 29.972 $\pm$ 0.004 χ^2 /NDF: 6783733.1/56

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 29.0/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.009 ± 0.008 χ^2/NDF : 21.6/33

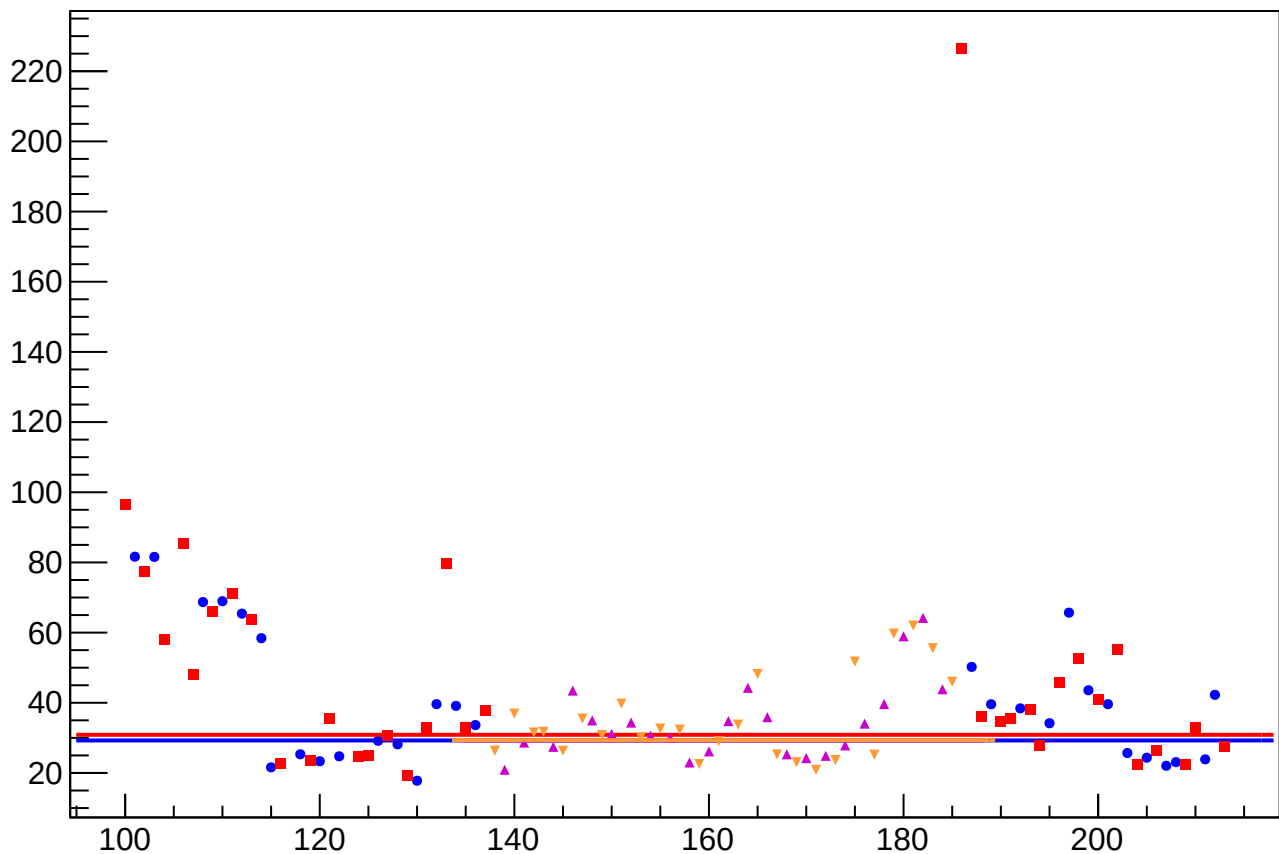
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign -0.001 ± 0.005 χ^2/NDF : 64.2/53

All: 0.000 ± 0.004 χ^2/NDF : 118.9/110

- sign 0.001 ± 0.005 χ^2/NDF : 54.7/56

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.267 $\pm$ 0.006 χ^2 /NDF: 4062519.2/28

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687159.2/24

Right Out: 30.878 $\pm$ 0.006 χ^2 /NDF: 4639328.0/33

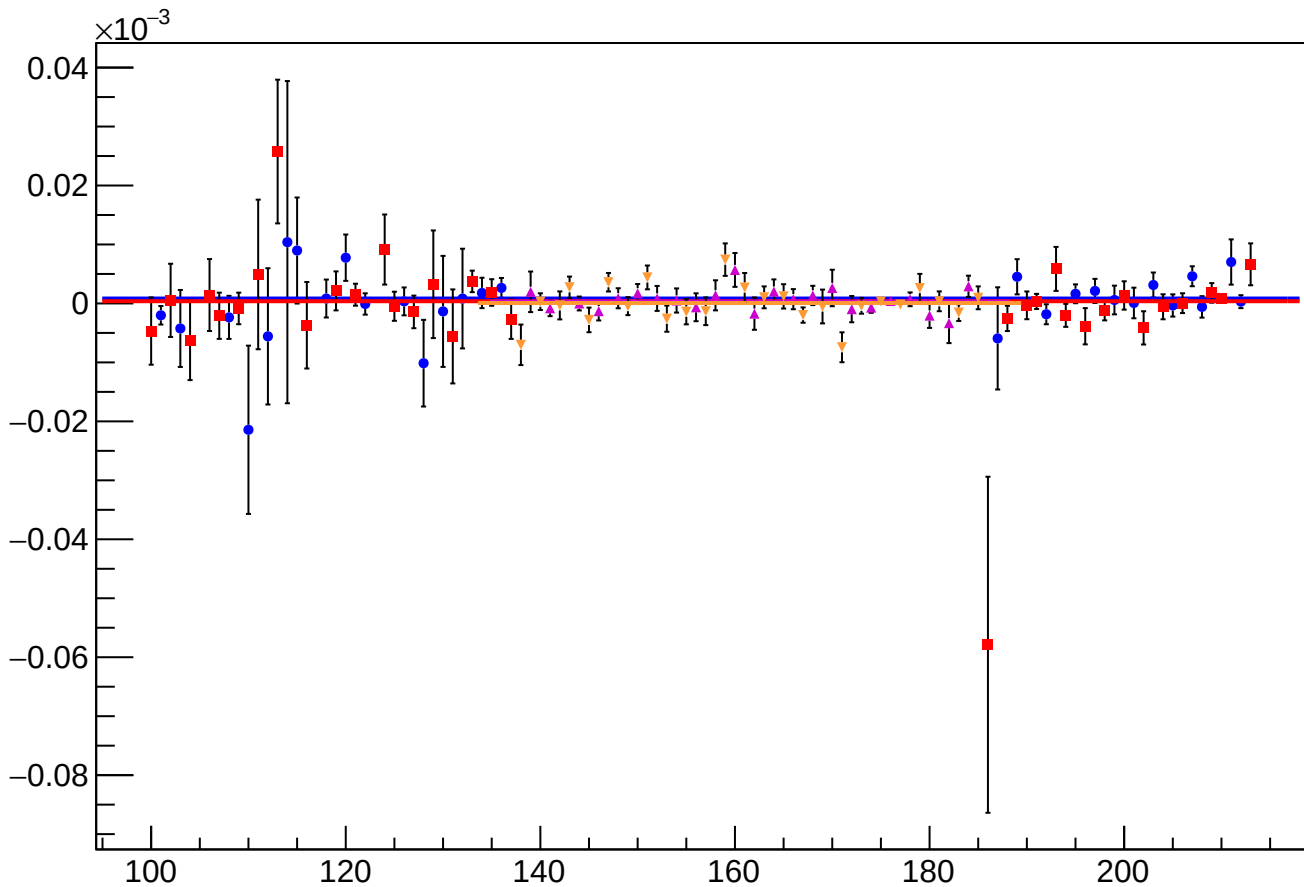
Left In: 29.226 $\pm$ 0.005 χ^2 /NDF: 2097657.8/22

+ sign 29.306 $\pm$ 0.004 χ^2 /NDF: 6749767.8/53

All: 29.631 $\pm$ 0.003 χ^2 /NDF: 13549230.6/110

- sign 29.972 $\pm$ 0.004 χ^2 /NDF: 6783733.1/56

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:43.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/33

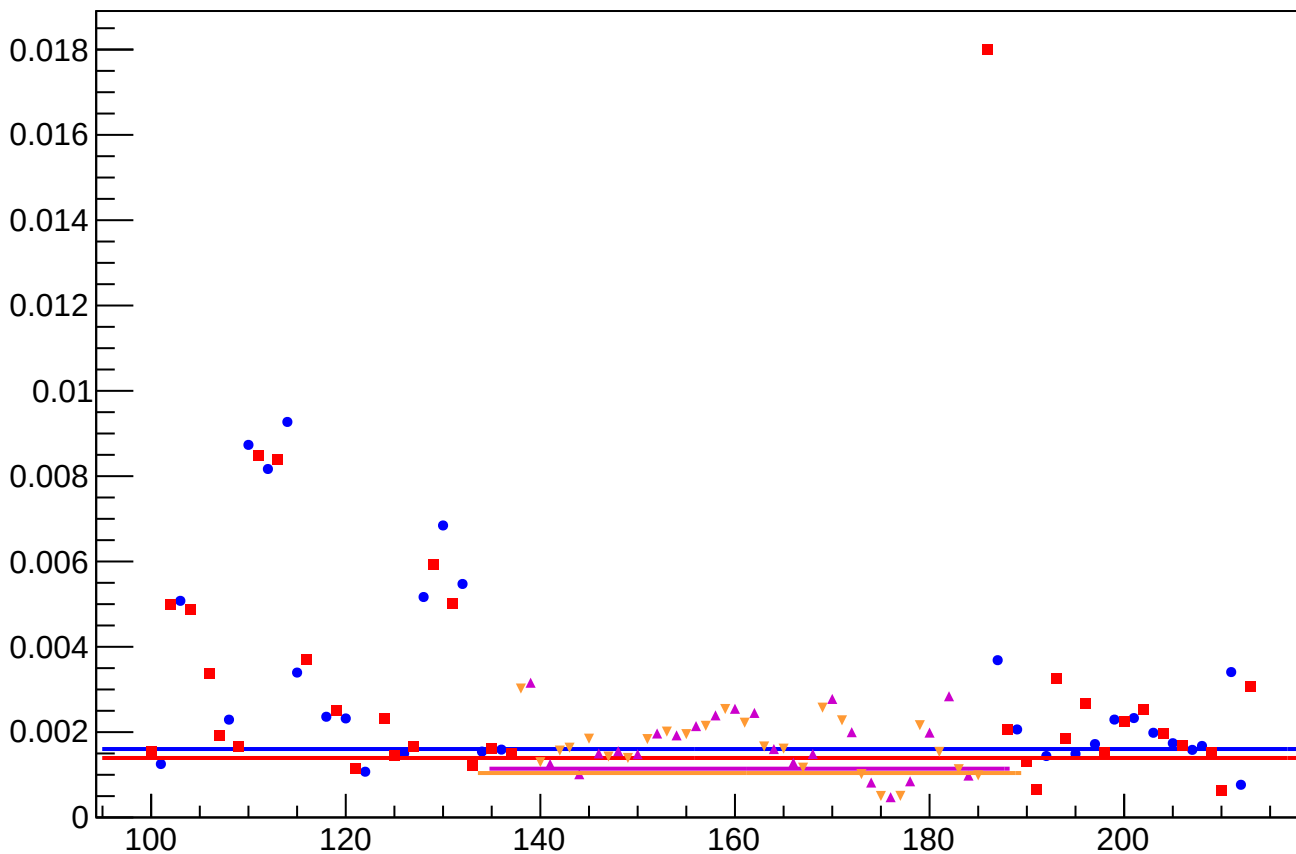
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 76.5/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 127.7/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.2/56

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6193969.4/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:9825407.0/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 10235927.8/33

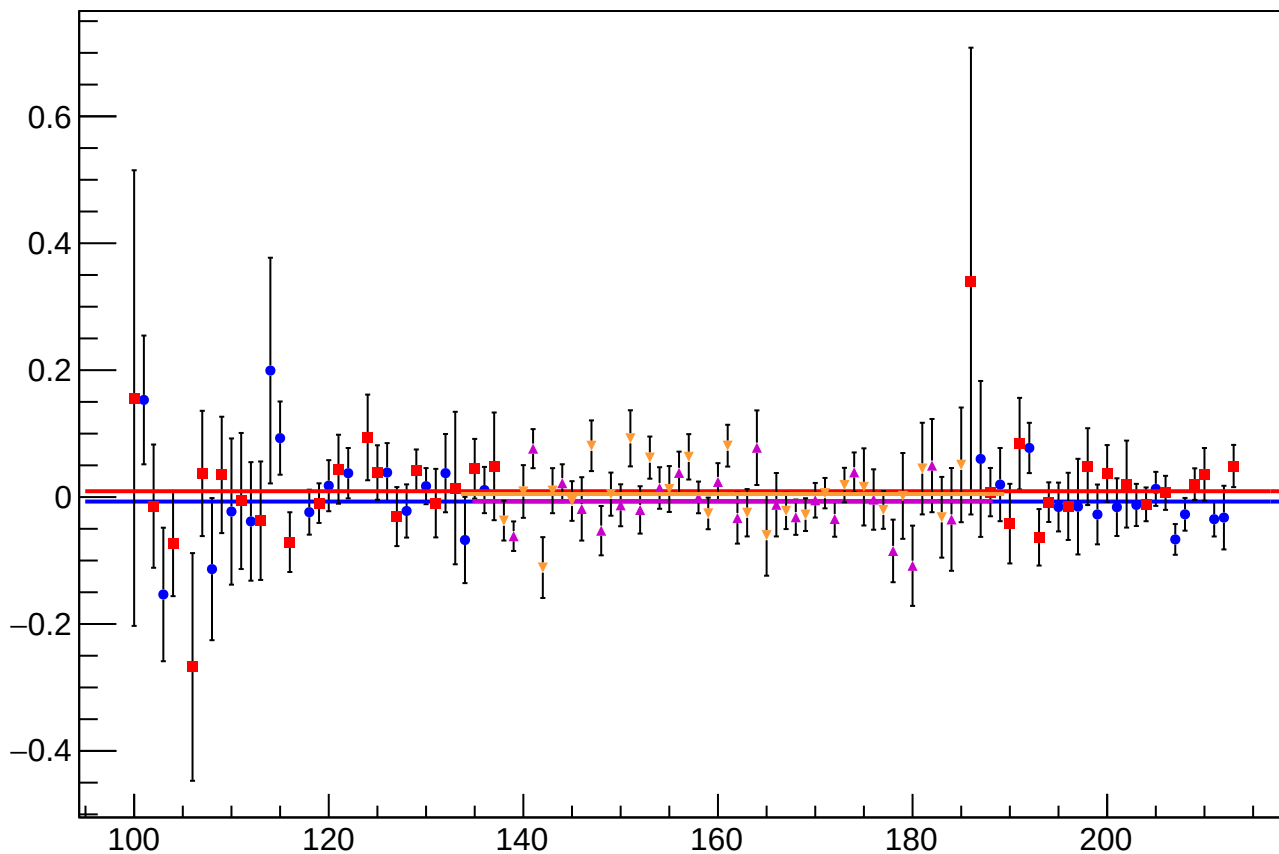
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8291862.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18367338.2/53

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 37435821.5/110

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 19041988.3/56

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 29.0/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.009 ± 0.008 χ^2/NDF : 21.6/33

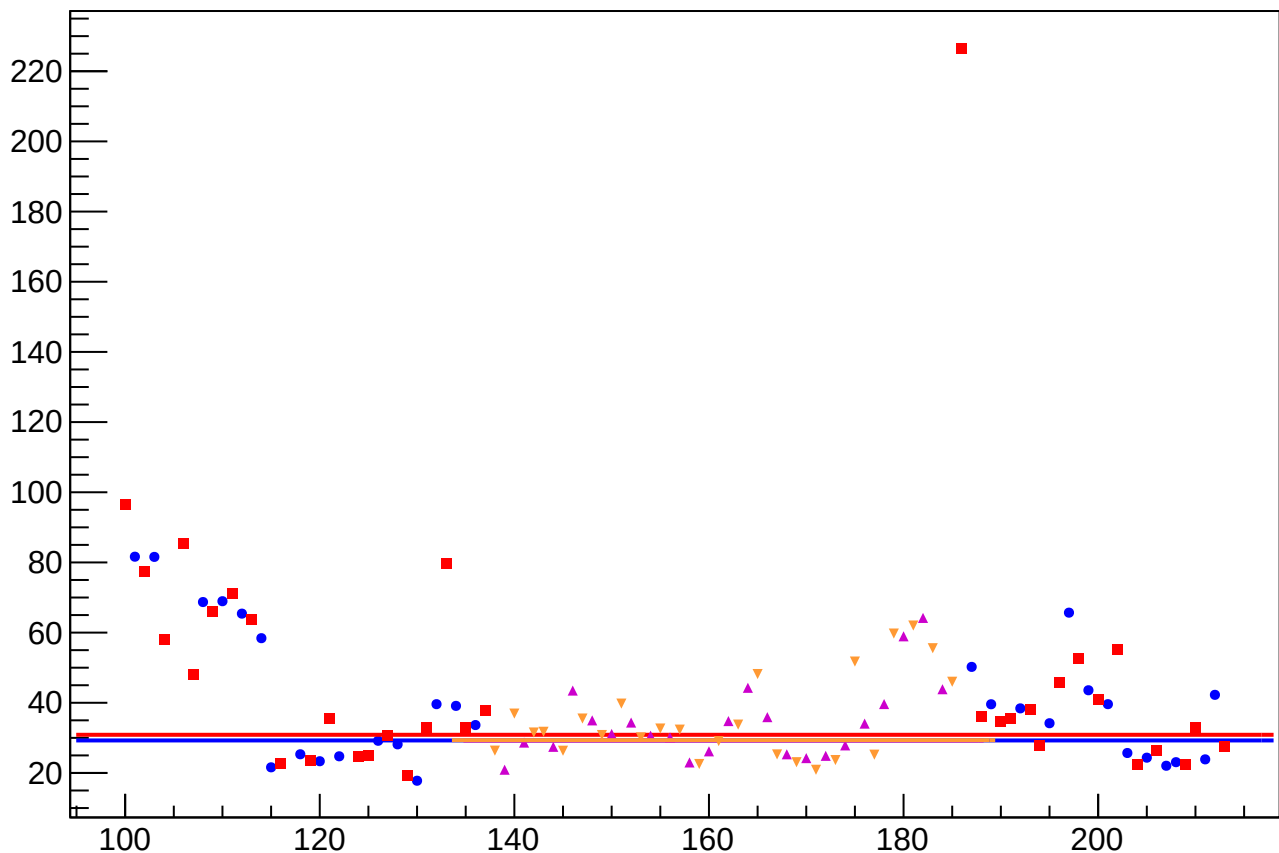
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign -0.001 ± 0.005 χ^2/NDF : 64.2/53

All: 0.000 ± 0.004 χ^2/NDF : 118.9/110

- sign 0.001 ± 0.005 χ^2/NDF : 54.7/56

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.266 $\pm$ 0.006 χ^2 /NDF: 4062763.4/28

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 30.878 $\pm$ 0.006 χ^2 /NDF: 4639486.6/33

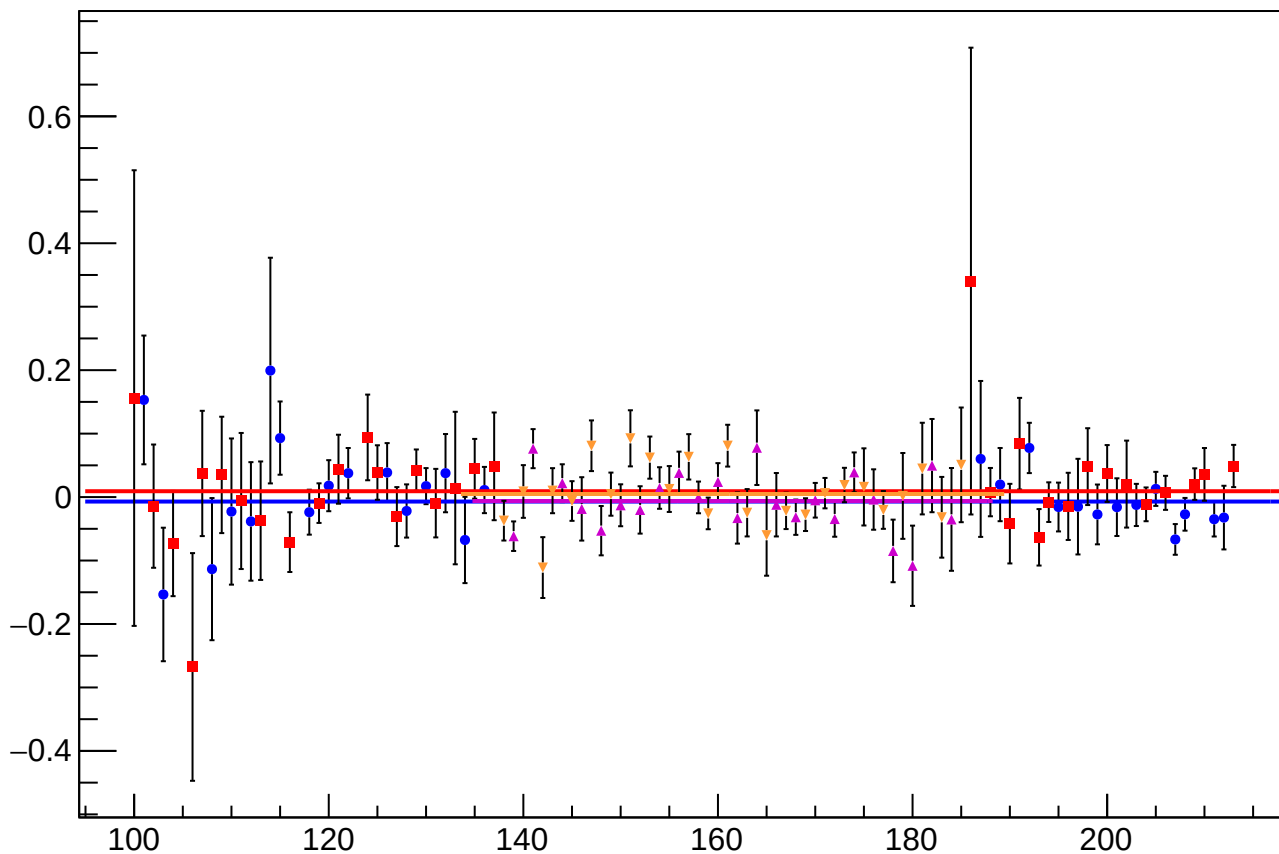
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 29.305 $\pm$ 0.004 χ^2 /NDF: 6750055.0/53

All: 29.631 $\pm$ 0.003 χ^2 /NDF: 13549594.8/110

- sign 29.972 $\pm$ 0.004 χ^2 /NDF: 6783802.6/56

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.008 χ^2/NDF : 29.0/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.009 ± 0.008 χ^2/NDF : 21.6/33

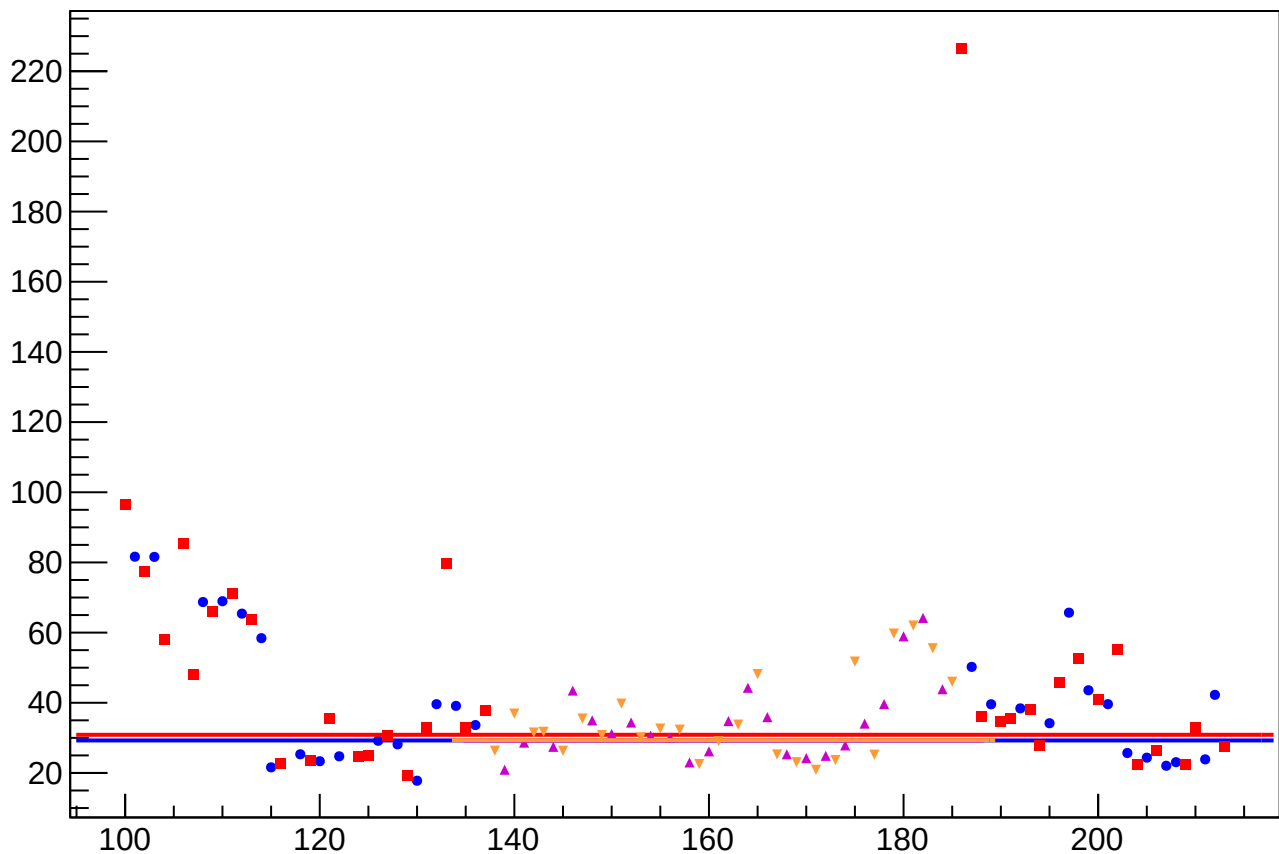
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign -0.001 ± 0.005 χ^2/NDF : 64.2/53

All: 0.000 ± 0.004 χ^2/NDF : 118.9/110

- sign 0.001 ± 0.005 χ^2/NDF : 54.7/56

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.266 $\pm$ 0.006 χ^2 /NDF: 4062763.4/28

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 30.878 $\pm$ 0.006 χ^2 /NDF: 4639486.6/33

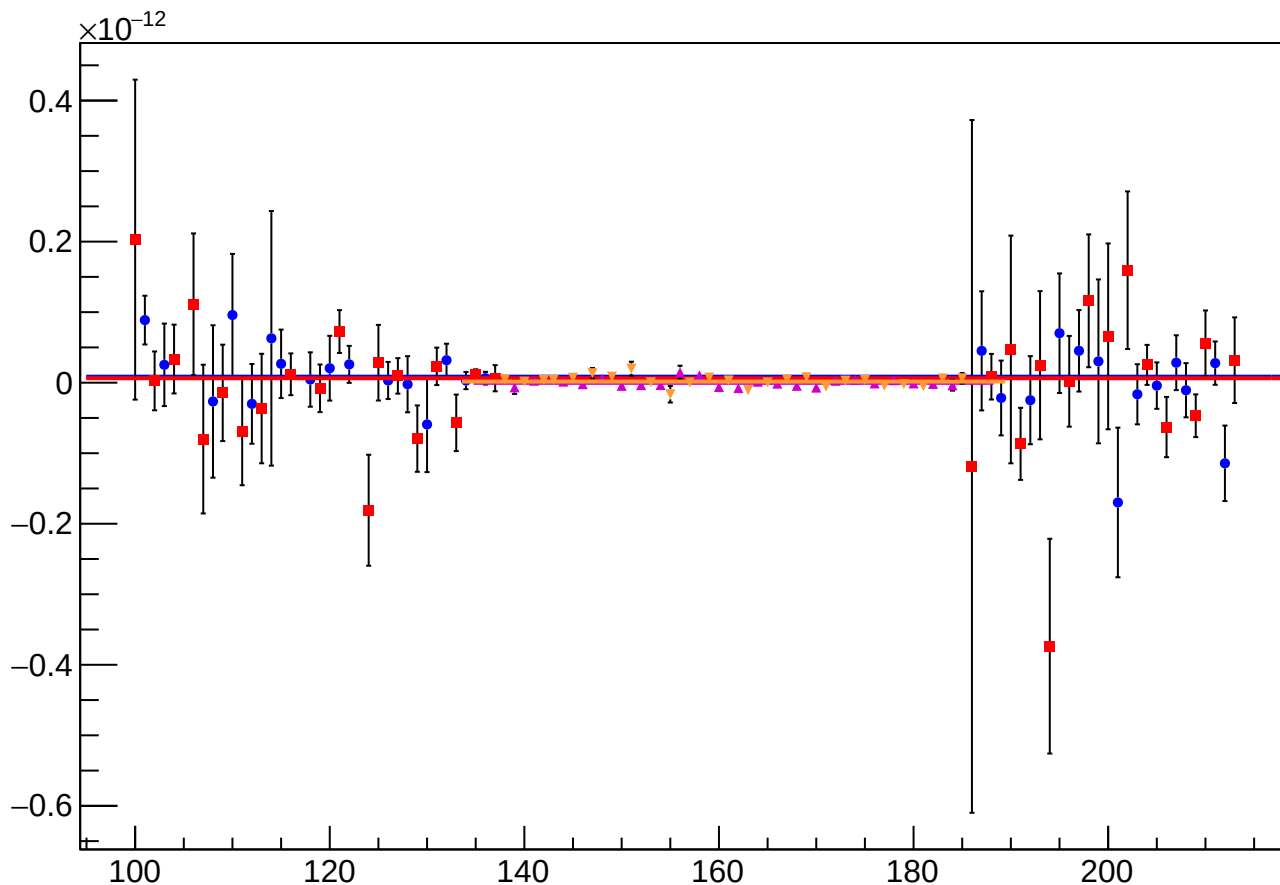
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 29.305 $\pm$ 0.004 χ^2 /NDF: 6750055.0/53

All: 29.631 $\pm$ 0.003 χ^2 /NDF: 13549594.8/110

- sign 29.972 $\pm$ 0.004 χ^2 /NDF: 6783802.6/56

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/33

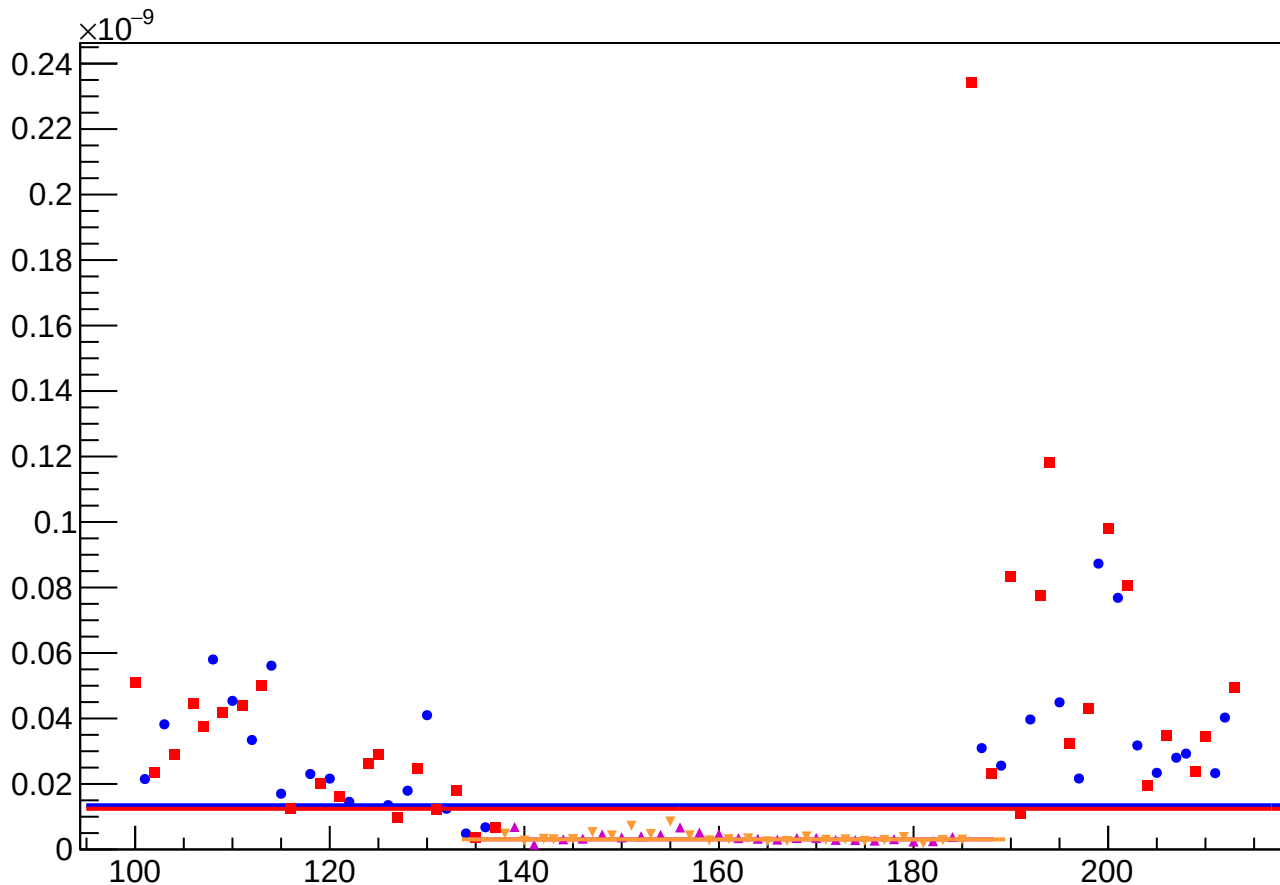
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.0/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 122.0/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.1/56

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8347734.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12063433.7/33

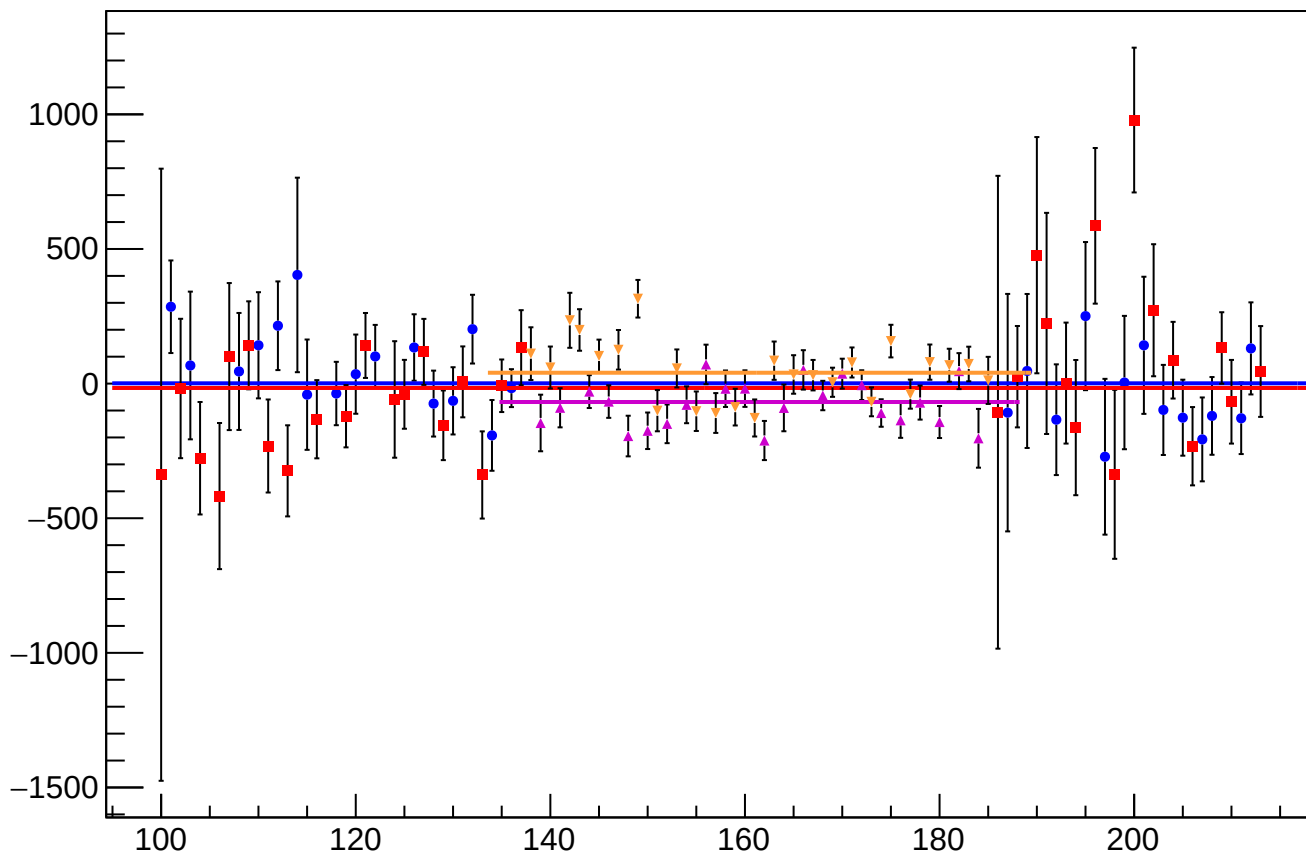
Left In: 0.000+/-0.000 χ^2/NDF : 2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 17423457.8/53

All: 0.000+/-0.000 χ^2/NDF : 37408781.4/110

- sign 0.000+/-0.000 χ^2/NDF : 19985285.1/56

reg_asym_sam_3726_avg_mean vs Slug



Right In: 1.078 ± 28.456 $\chi^2/\text{NDF}: 21.5/28$

Left Out: 40.342 ± 13.402 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -16.229 ± 29.084 $\chi^2/\text{NDF}: 47.3/33$

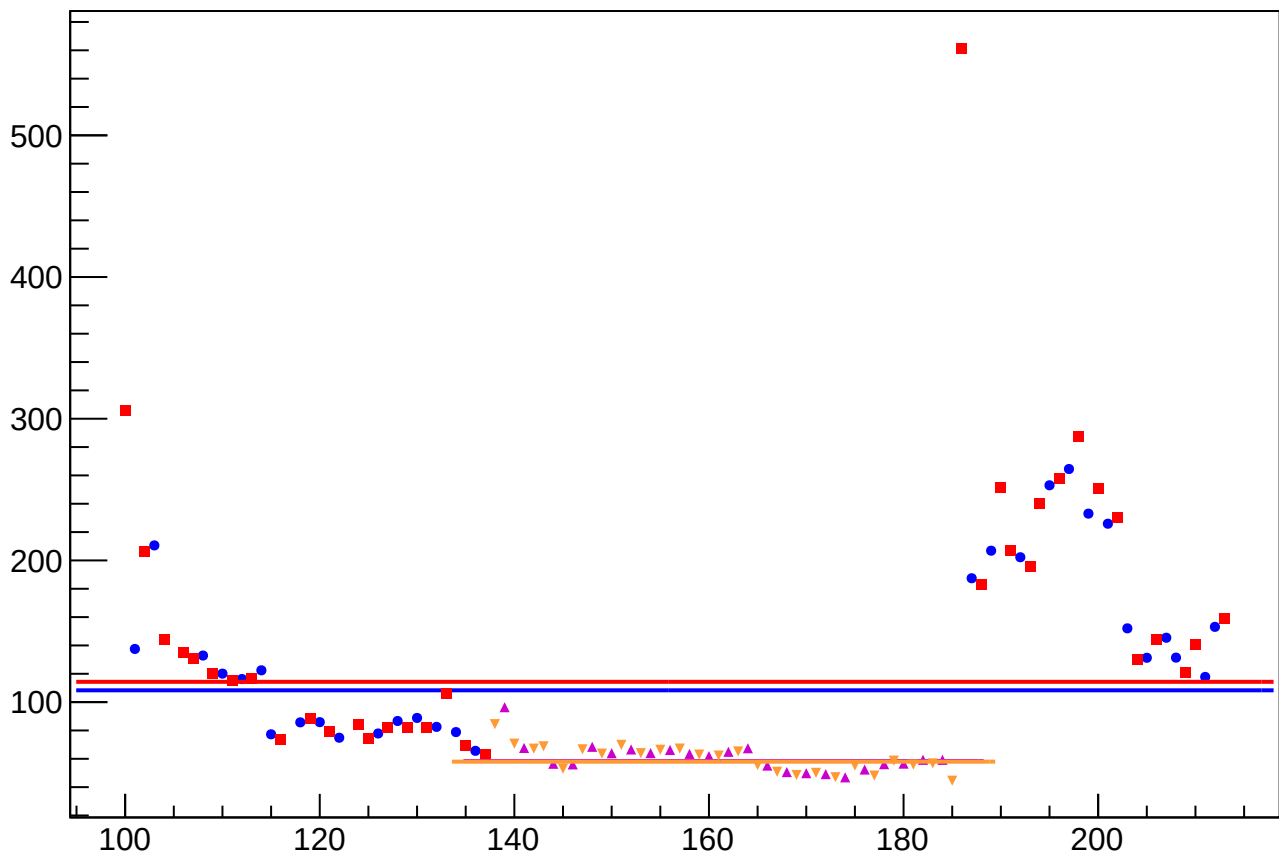
Left In: -68.344 ± 13.866 $\chi^2/\text{NDF}: 31.8/22$

+ sign 33.214 ± 12.124 $\chi^2/\text{NDF}: 82.4/53$

All: -11.278 ± 8.709 $\chi^2/\text{NDF}: 191.9/110$

- sign -58.692 ± 12.516 $\chi^2/\text{NDF}: 81.7/56$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 108.333+/-0.020 χ^2/NDF : 5147002.0/28

Left Out: 57.996+/-0.009 χ^2/NDF : 807648.8/24

Right Out: 114.328+/-0.021 χ^2/NDF : 6330506.0/33

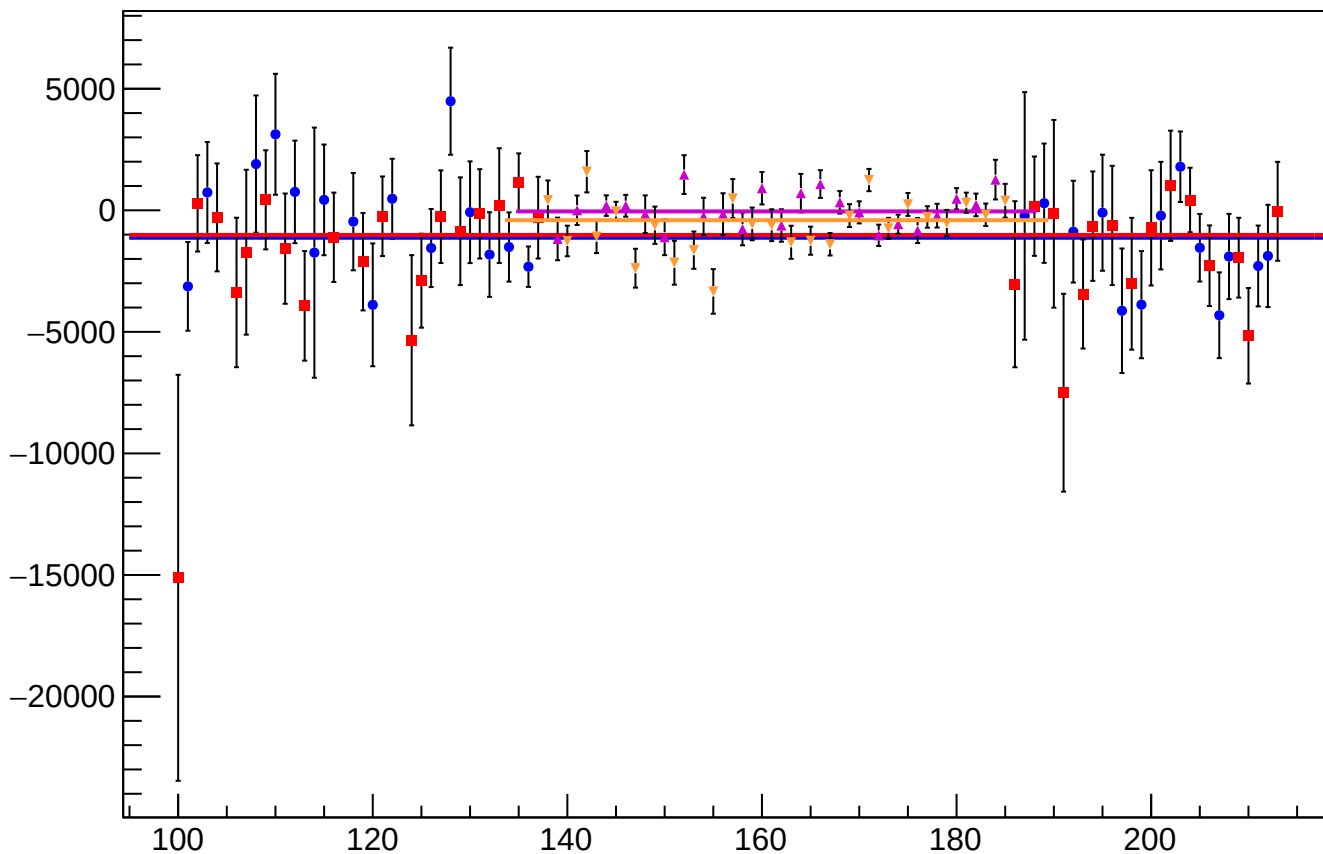
Left In: 58.397+/-0.010 χ^2/NDF : 735208.2/22

+ sign 67.134+/-0.009 χ^2/NDF : 11077121.8/53

All: 67.919+/-0.006 χ^2/NDF : 24186742.5/110

- sign 68.755+/-0.009 χ^2/NDF : 13092315.1/56

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -1128.419 ± 342.161 χ^2/NDF : 30.6/28

Left Out: -406.322 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -1014.847 ± 355.880 χ^2/NDF : 26.0/33

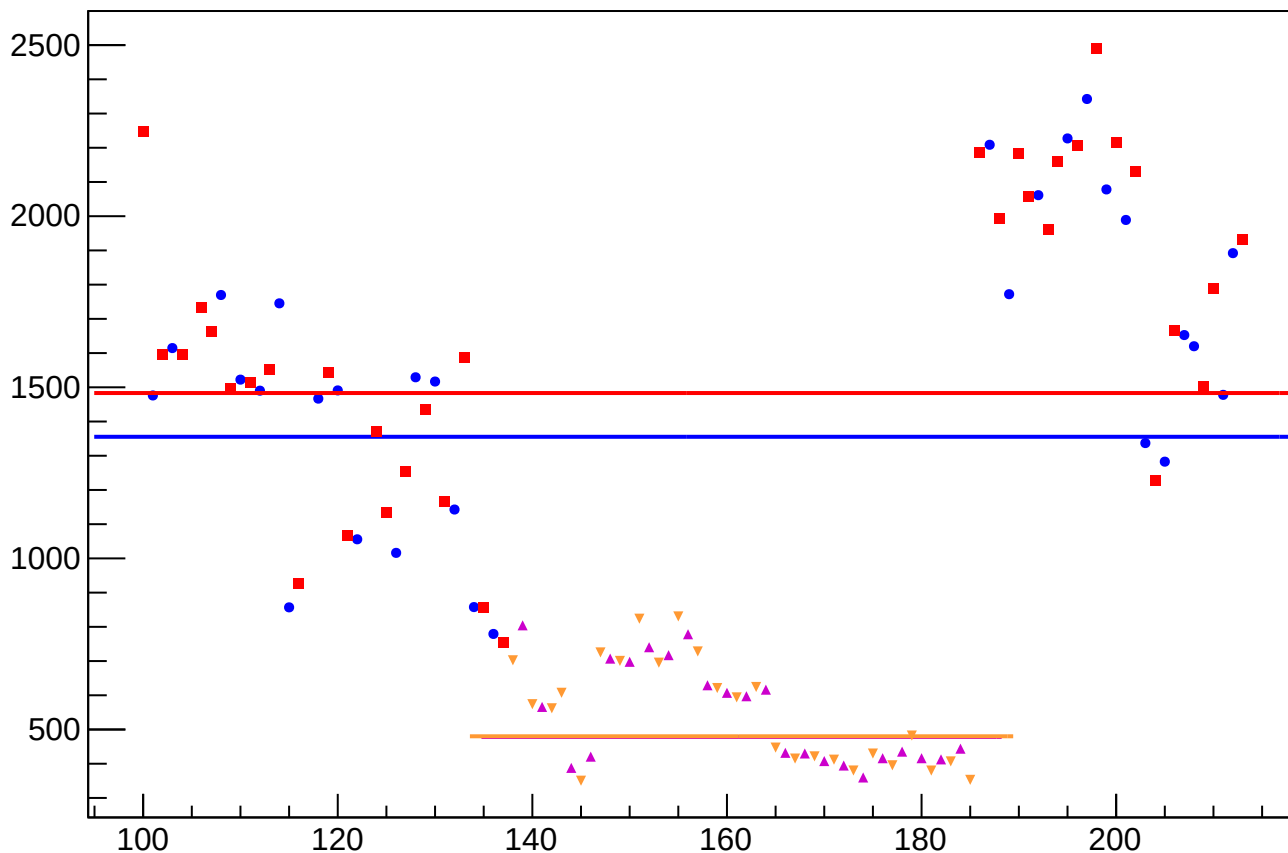
Left In: -44.831 ± 115.765 χ^2/NDF : 31.1/22

+ sign -477.865 ± 107.700 χ^2/NDF : 97.8/53

All: -311.487 ± 76.985 χ^2/NDF : 166.4/110

- sign -137.652 ± 110.087 χ^2/NDF : 63.7/56

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1355.389+/-0.242 χ^2/NDF : 3167794.4/28

Left Out: 480.162+/-0.080 χ^2/NDF : 2582213.9/24

Right Out: 1483.256+/-0.252 χ^2/NDF : 3080237.7/33

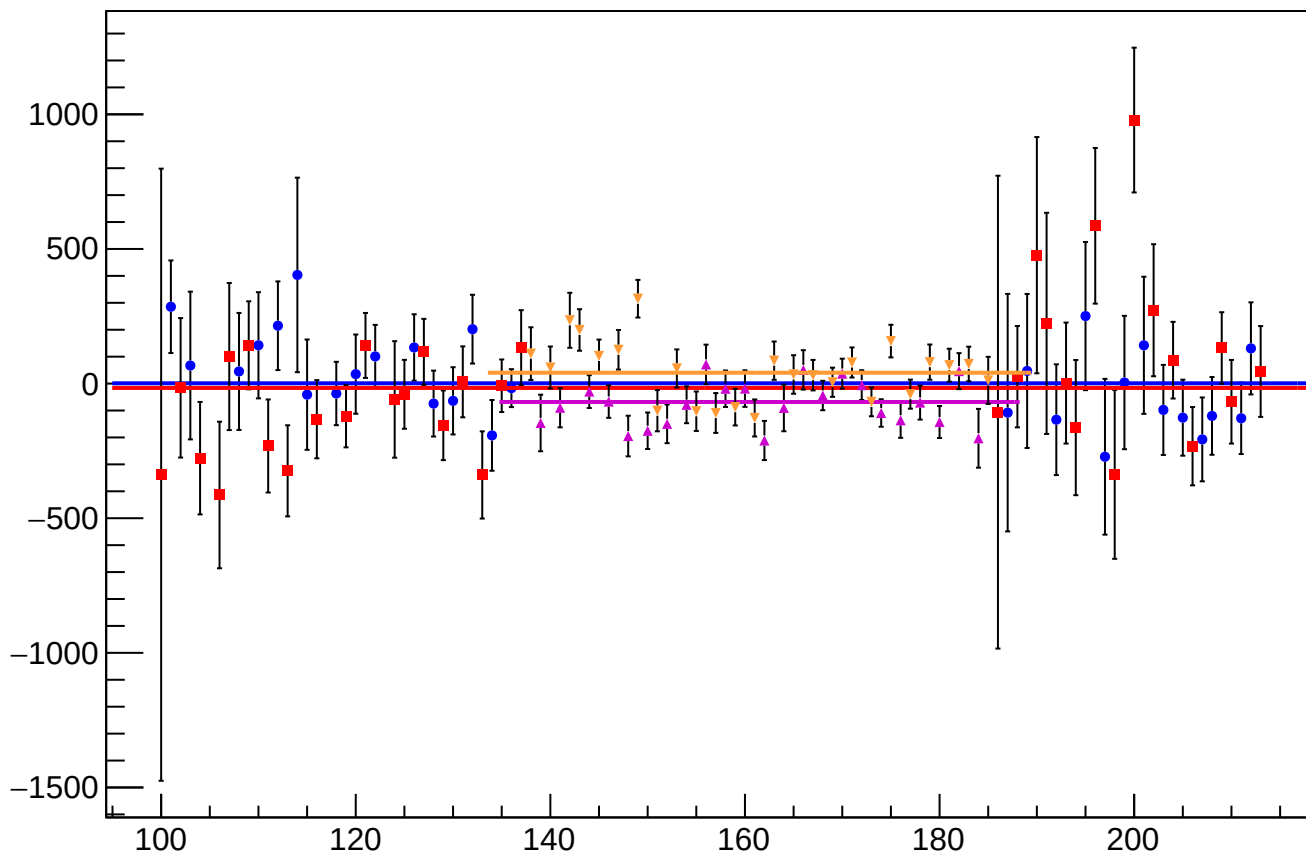
Left In: 478.084+/-0.082 χ^2/NDF : 2215520.4/22

+ sign 566.876+/-0.076 χ^2/NDF : 17539610.2/53

All: 570.491+/-0.054 χ^2/NDF : 37268455.0/11

- sign 574.268+/-0.078 χ^2/NDF : 19724237.9/56

cor_asym_sam_3726_avg_mean vs Slug



Right In: 1.069 ± 28.456 χ^2/NDF : 21.5/28

Left Out: 40.344 ± 13.402 χ^2/NDF : 59.4/24

Right Out: -16.126 ± 29.086 χ^2/NDF : 47.2/33

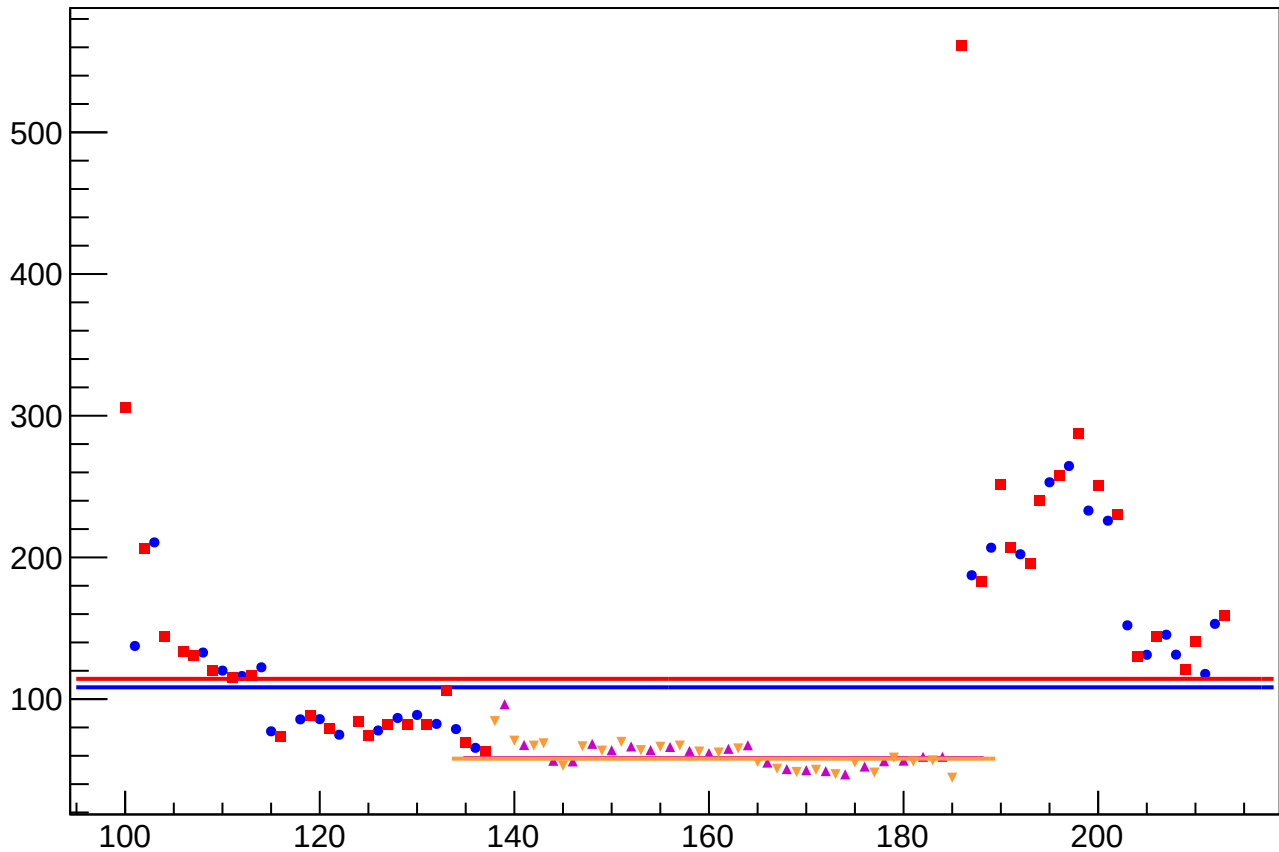
Left In: -68.343 ± 13.866 χ^2/NDF : 31.7/22

+ sign 33.214 ± 12.124 χ^2/NDF : 82.4/53

All: -11.268 ± 8.709 χ^2/NDF : 191.8/110

- sign -58.673 ± 12.517 χ^2/NDF : 81.6/56

cor_asym_sam_3726_avg_rms vs Slug



Right In: 108.333+/-0.020 χ^2/NDF : 5147005.0/28

Left Out: 57.996+/-0.009 χ^2/NDF : 807648.7/24

Right Out: 114.304+/-0.021 χ^2/NDF : 6328646.8/33

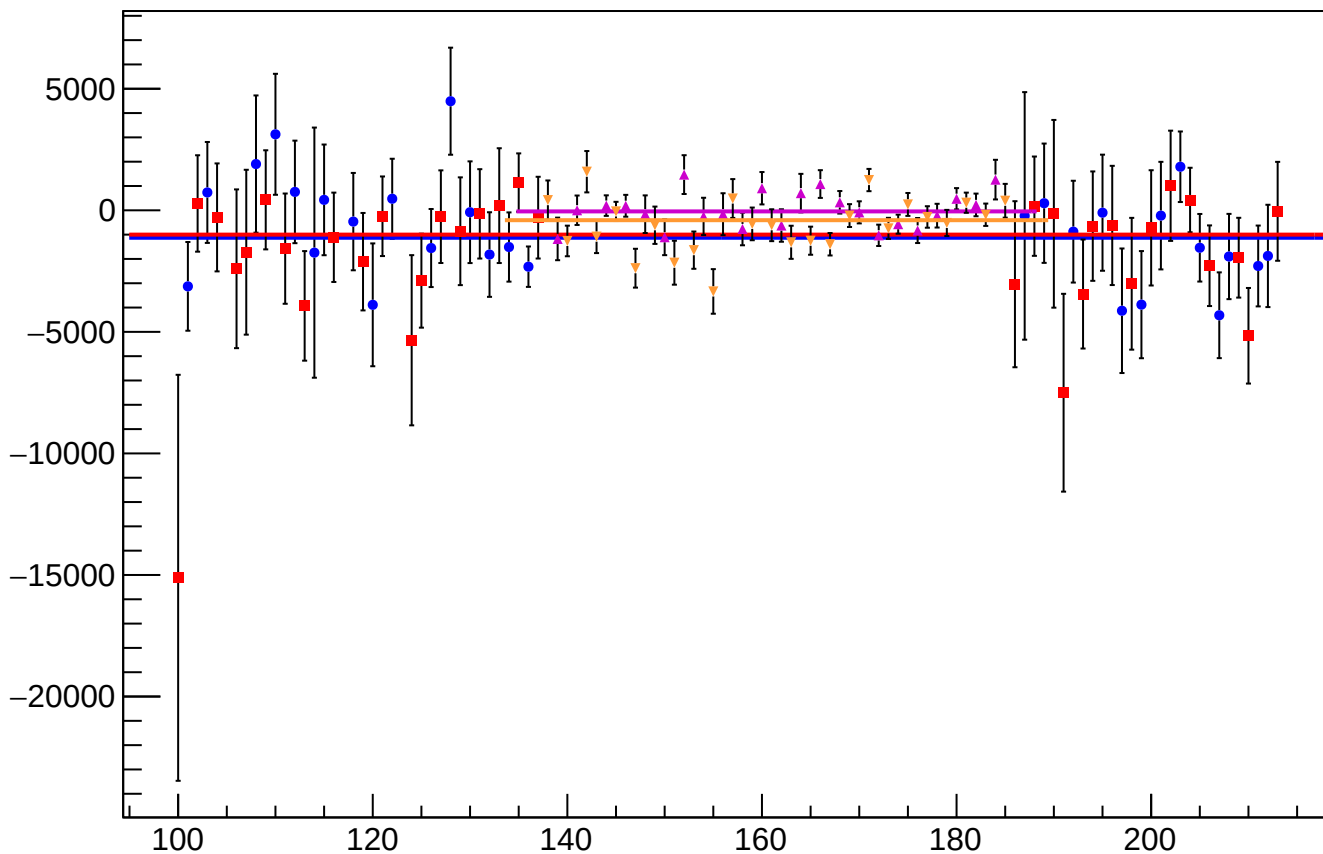
Left In: 58.397+/-0.010 χ^2/NDF : 735208.2/22

+ sign 67.134+/-0.009 χ^2/NDF : 11077124.0/53

All: 67.917+/-0.006 χ^2/NDF : 24179238.7/110

- sign 68.750+/-0.009 χ^2/NDF : 13084918.3/56

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -1128.402 ± 342.161 χ^2/NDF : 30.6/28

Left Out: -406.320 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -999.906 ± 356.161 χ^2/NDF : 25.5/33

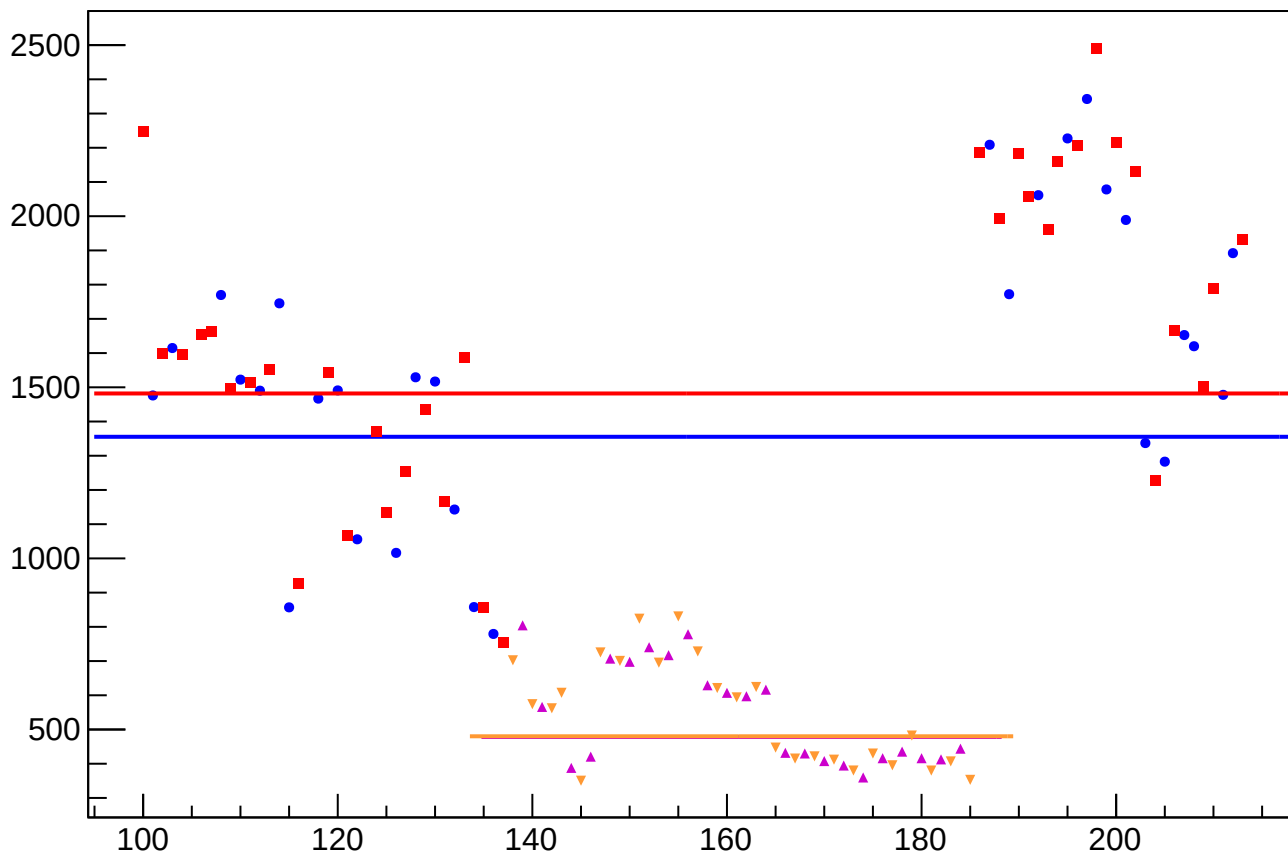
Left In: -44.830 ± 115.765 χ^2/NDF : 31.1/22

+ sign -477.861 ± 107.700 χ^2/NDF : 97.8/53

All: -310.734 ± 76.988 χ^2/NDF : 165.8/110

- sign -136.091 ± 110.095 χ^2/NDF : 63.1/56

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1355.390+/-0.242 χ^2/NDF : 3167822.8/28

Left Out: 480.162+/-0.080 χ^2/NDF : 2582209.1/24

Right Out: 1481.977+/-0.252 χ^2/NDF : 3072645.7/33

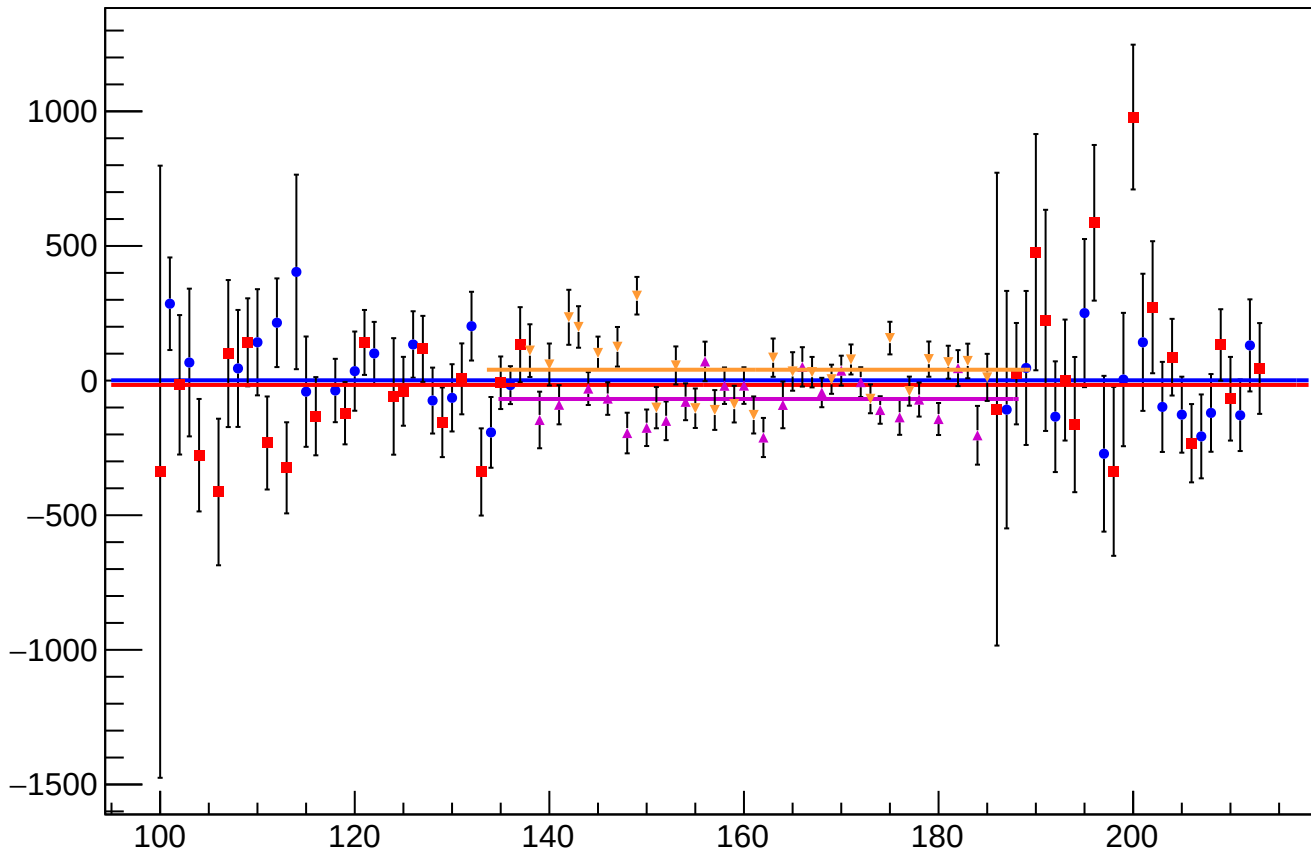
Left In: 478.084+/-0.082 χ^2/NDF : 2215518.9/22

+ sign 566.876+/-0.076 χ^2/NDF : 17539640.1/53

All: 570.364+/-0.054 χ^2/NDF : 37203413.2/11

- sign 574.009+/-0.078 χ^2/NDF : 19659483.3/56

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 1.069 ± 28.456 χ^2/NDF : 21.5/28

Left Out: 40.344 ± 13.402 χ^2/NDF : 59.4/24

Right Out: -16.126 ± 29.086 χ^2/NDF : 47.2/33

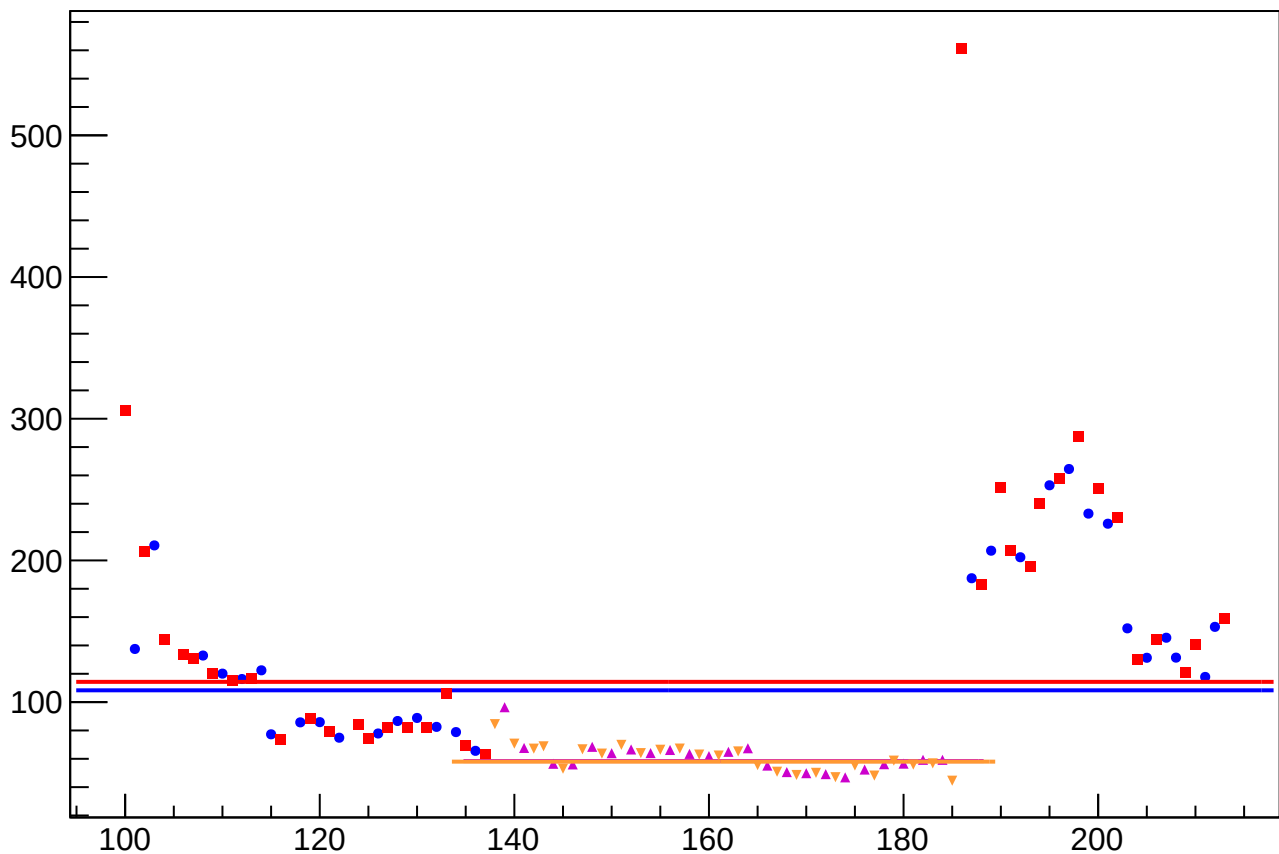
Left In: -68.343 ± 13.866 χ^2/NDF : 31.7/22

+ sign 33.214 ± 12.124 χ^2/NDF : 82.4/53

All: -11.268 ± 8.709 χ^2/NDF : 191.8/110

- sign -58.673 ± 12.517 χ^2/NDF : 81.6/56

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 108.333 $\pm$ 0.020 χ^2 /NDF: 5147005.0/28

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF:807648.7/24

Right Out: 114.304 $\pm$ 0.021 χ^2 /NDF: 6328646.8/33

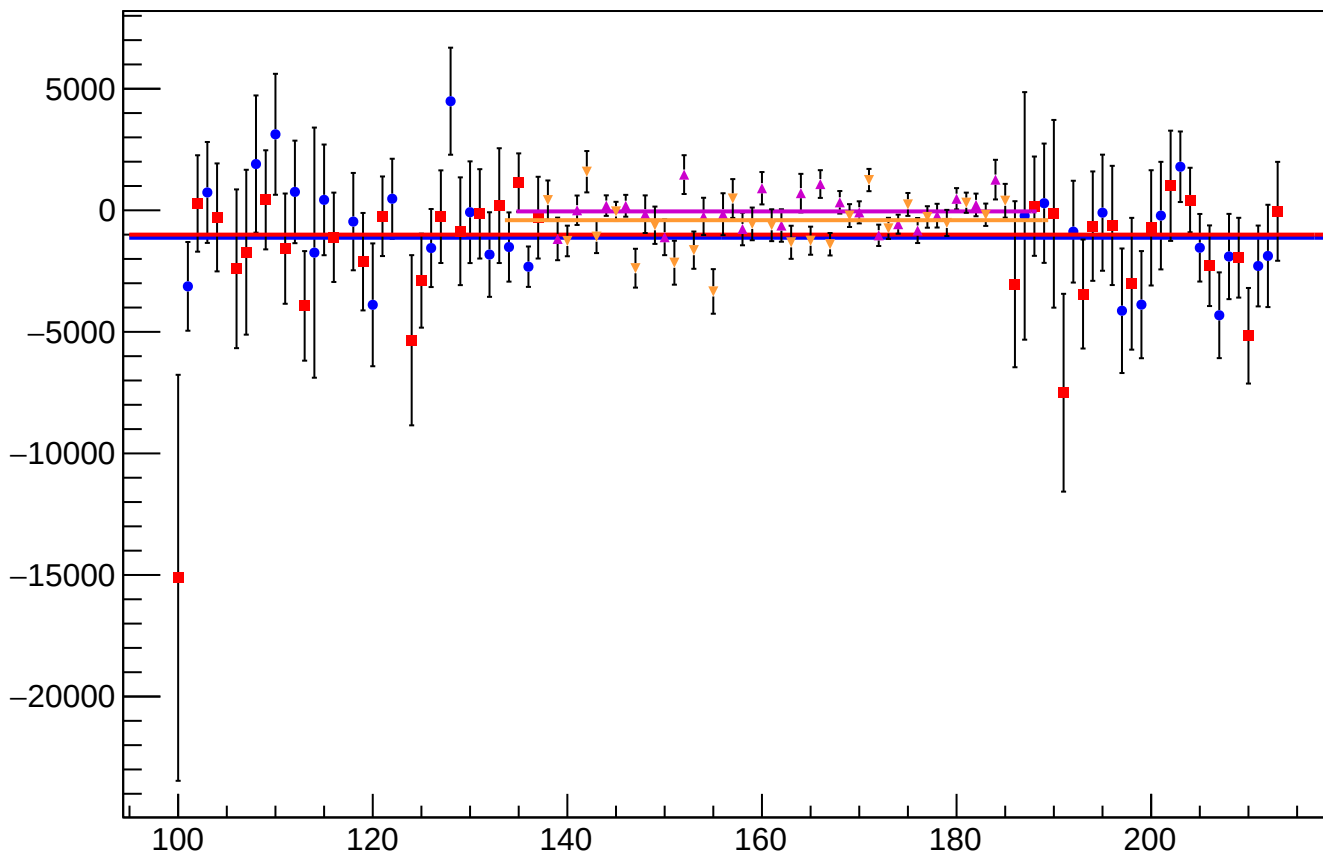
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF:735208.2/22

+ sign 67.134 $\pm$ 0.009 χ^2 /NDF: 11077124.0/53

All: 67.917 $\pm$ 0.006 χ^2 /NDF: 24179238.7/110

- sign 68.750 $\pm$ 0.009 χ^2 /NDF: 13084918.3/56

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -1128.402 ± 342.161 χ^2/NDF : 30.6/28

Left Out: -406.320 ± 113.468 χ^2/NDF : 63.2/24

Right Out: -999.906 ± 356.161 χ^2/NDF : 25.5/33

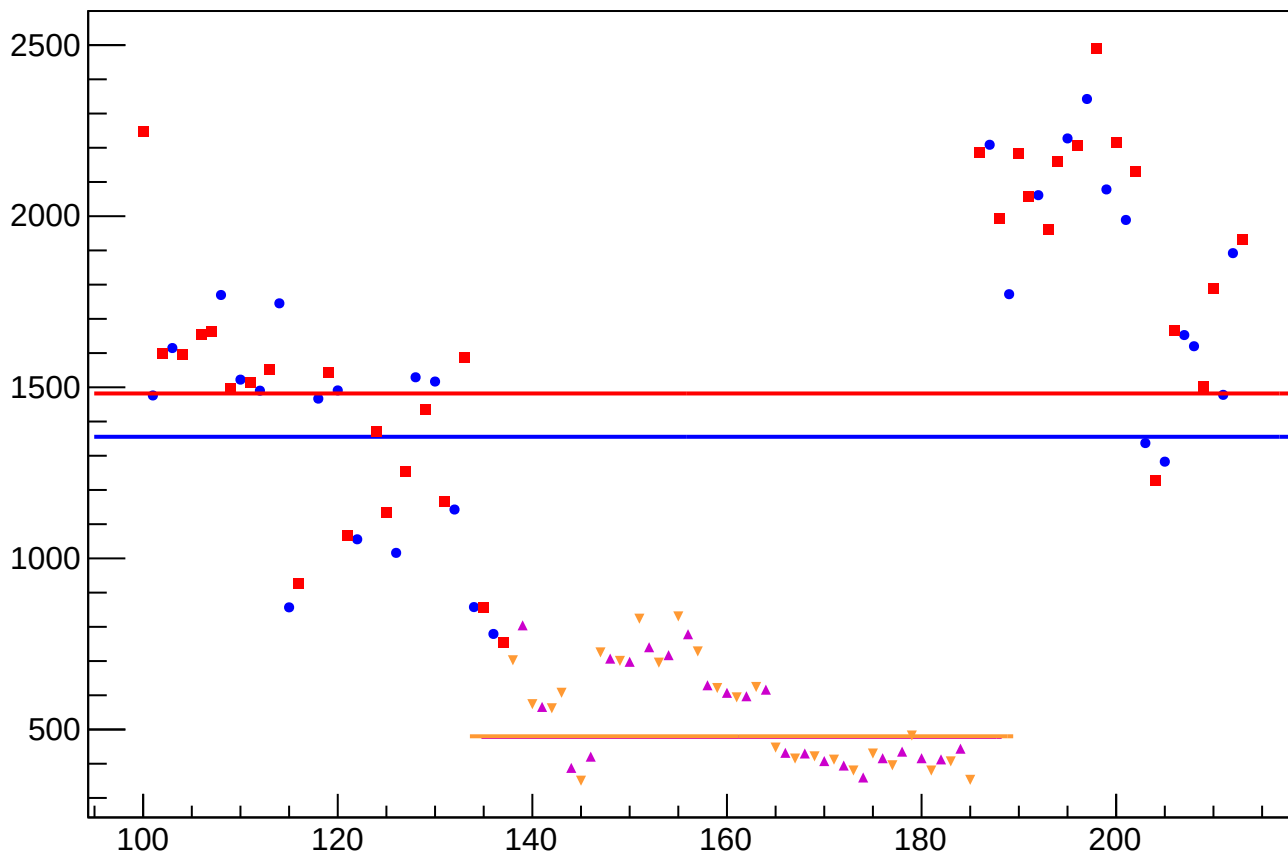
Left In: -44.830 ± 115.765 χ^2/NDF : 31.1/22

+ sign -477.861 ± 107.700 χ^2/NDF : 97.8/53

All: -310.734 ± 76.988 χ^2/NDF : 165.8/110

- sign -136.091 ± 110.095 χ^2/NDF : 63.1/56

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1355.390 ± 0.242 $\chi^2/\text{NDF}: 3167822.8/28$

Left Out: 480.162 ± 0.080 $\chi^2/\text{NDF}: 2582209.1/24$

Right Out: 1481.977 ± 0.252 $\chi^2/\text{NDF}: 3072645.7/33$

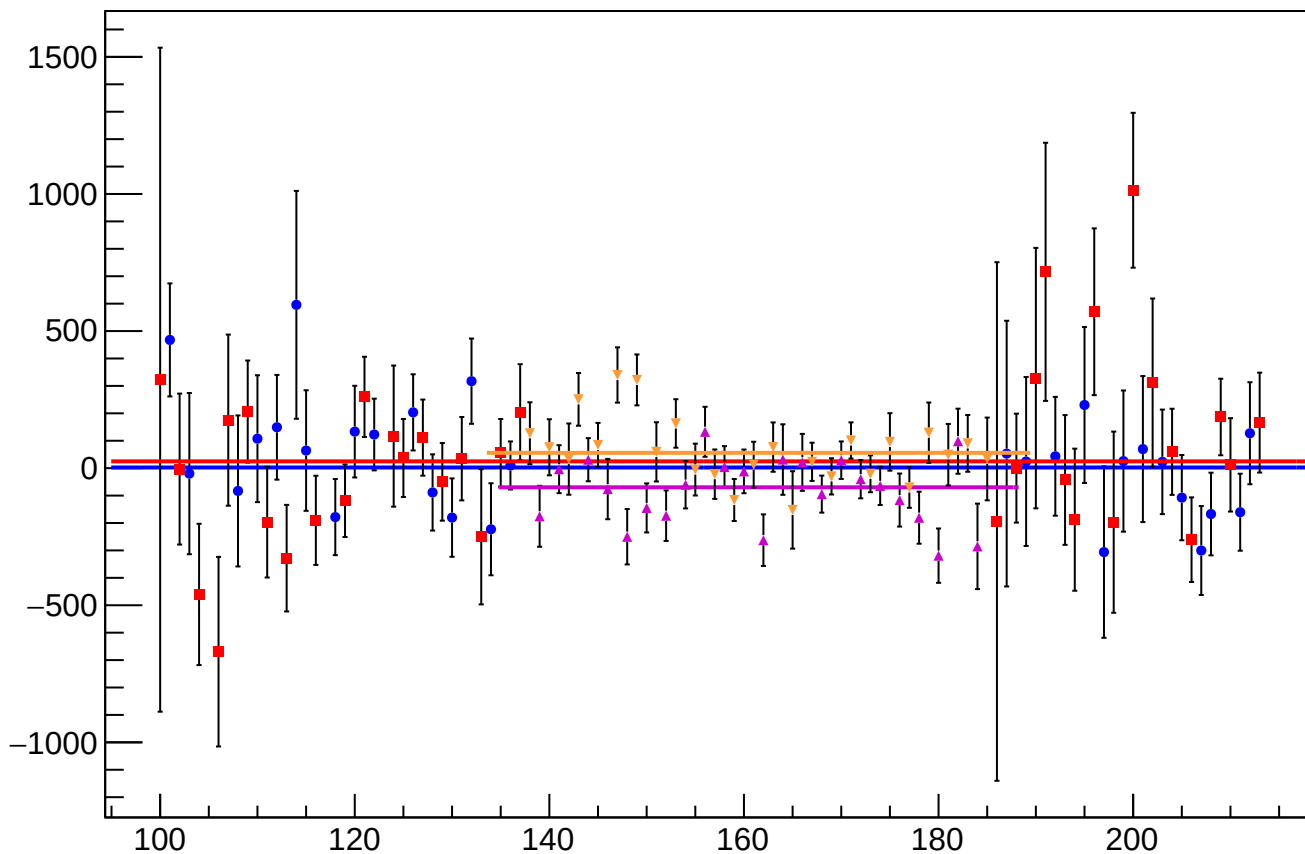
Left In: 478.084 ± 0.082 $\chi^2/\text{NDF}: 2215518.9/22$

+ sign 566.876 ± 0.076 $\chi^2/\text{NDF}: 17539640.1/53$

All: 570.364 ± 0.054 $\chi^2/\text{NDF}: 37203413.2/11$

- sign 574.009 ± 0.078 $\chi^2/\text{NDF}: 19659483.3/56$

dit_asym_sam_3726_avg_mean vs Slug



Right In: 2.449 ± 32.529 $\chi^2/\text{NDF}: 30.1/28$

Left Out: 55.949 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: 24.824 ± 33.279 $\chi^2/\text{NDF}: 47.6/33$

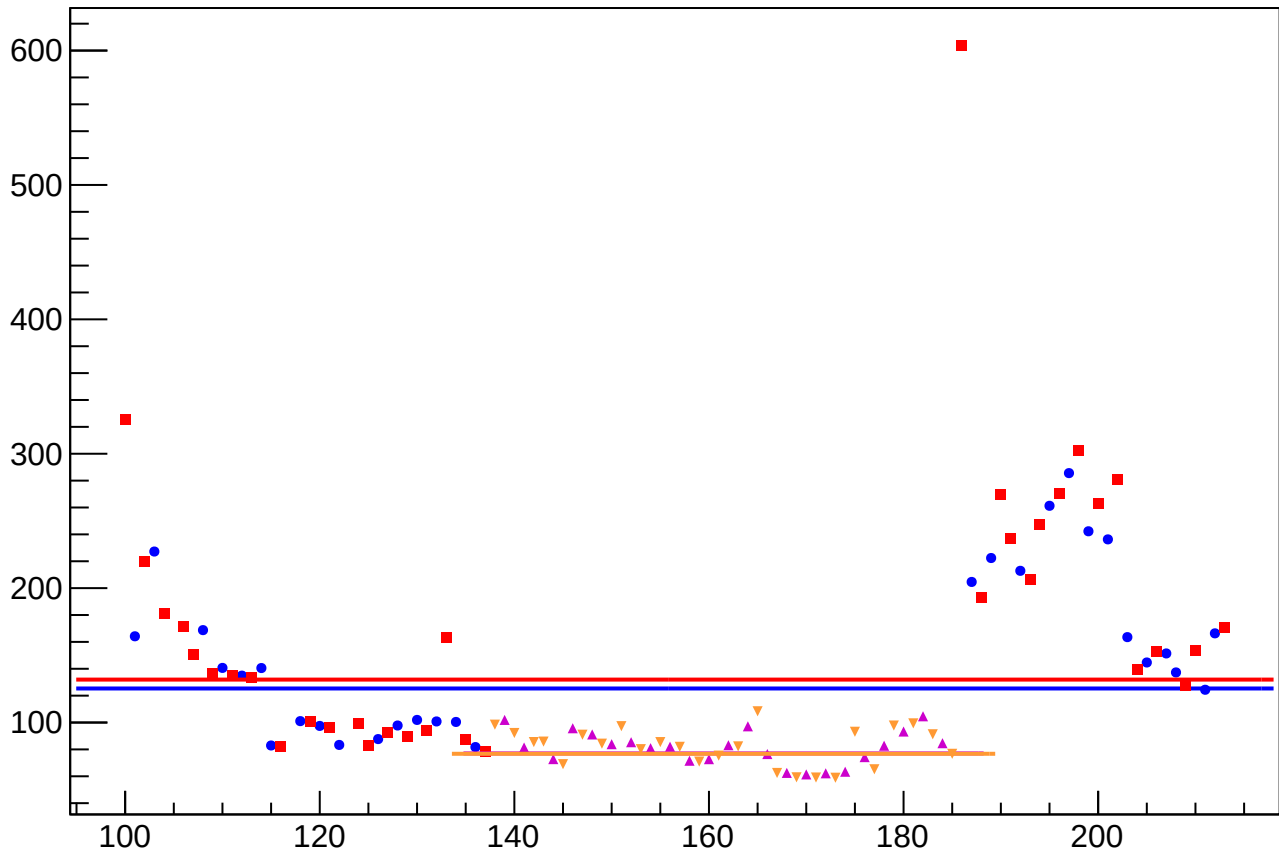
Left In: -69.844 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 43.461 ± 15.715 $\chi^2/\text{NDF}: 70.5/53$

All: -0.731 ± 11.269 $\chi^2/\text{NDF}: 175.2/110$

- sign -47.501 ± 16.167 $\chi^2/\text{NDF}: 88.4/56$

dit_asym_sam_3726_avg_rms vs Slug



Right In: 125.330 $\pm$ 0.023 χ^2 /NDF: 4236668.5/28

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234629.1/24

Right Out: 131.949 $\pm$ 0.024 χ^2 /NDF: 5560706.9/33

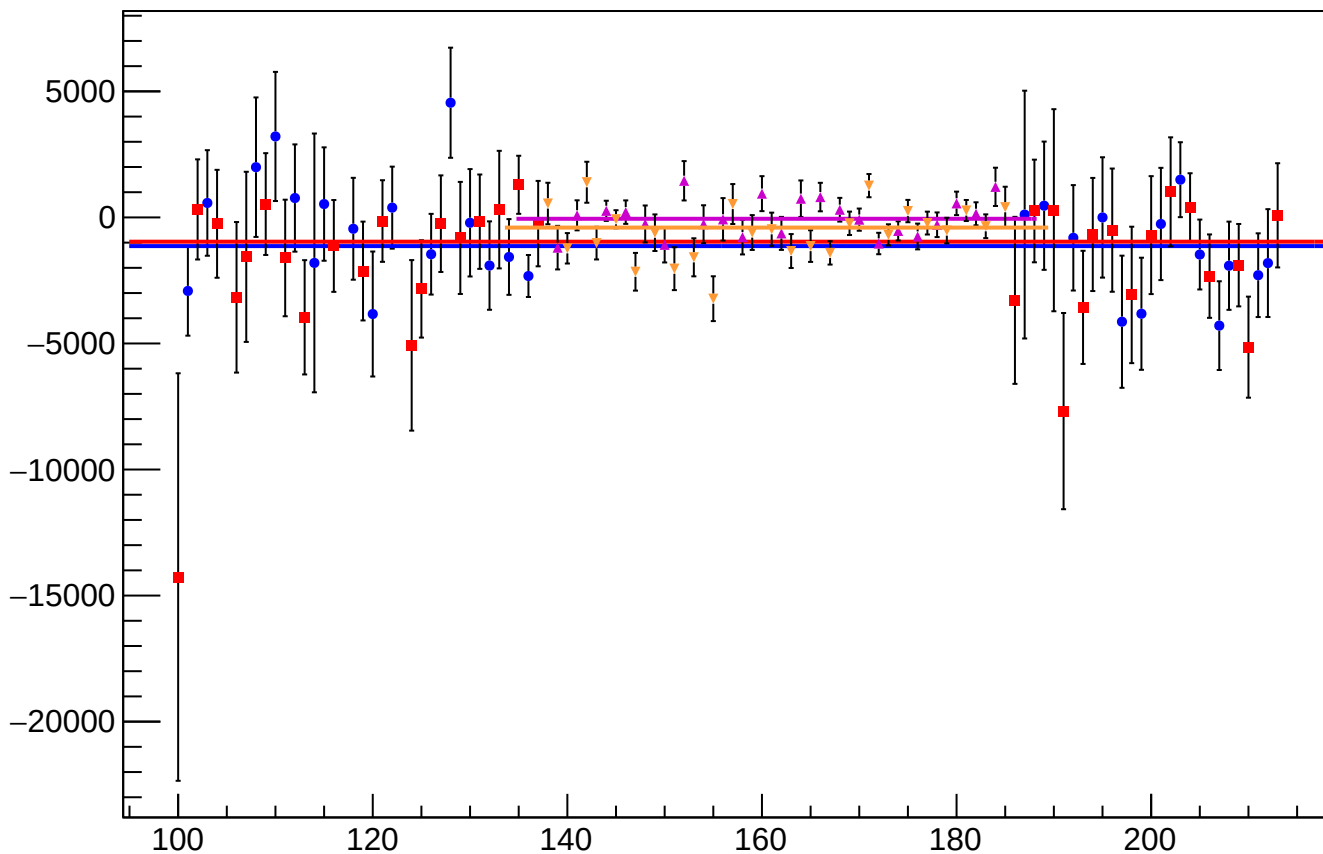
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858871.7/22

+ sign 88.084 $\pm$ 0.011 χ^2 /NDF: 8891871.5/53

All: 89.007 $\pm$ 0.008 χ^2 /NDF: 19488694.5/110

- sign 89.982 $\pm$ 0.011 χ^2 /NDF: 10582651.8/56

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1137.850 ± 343.897 χ^2/NDF : 29.5/28

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -962.624 ± 353.632 χ^2/NDF : 27.3/33

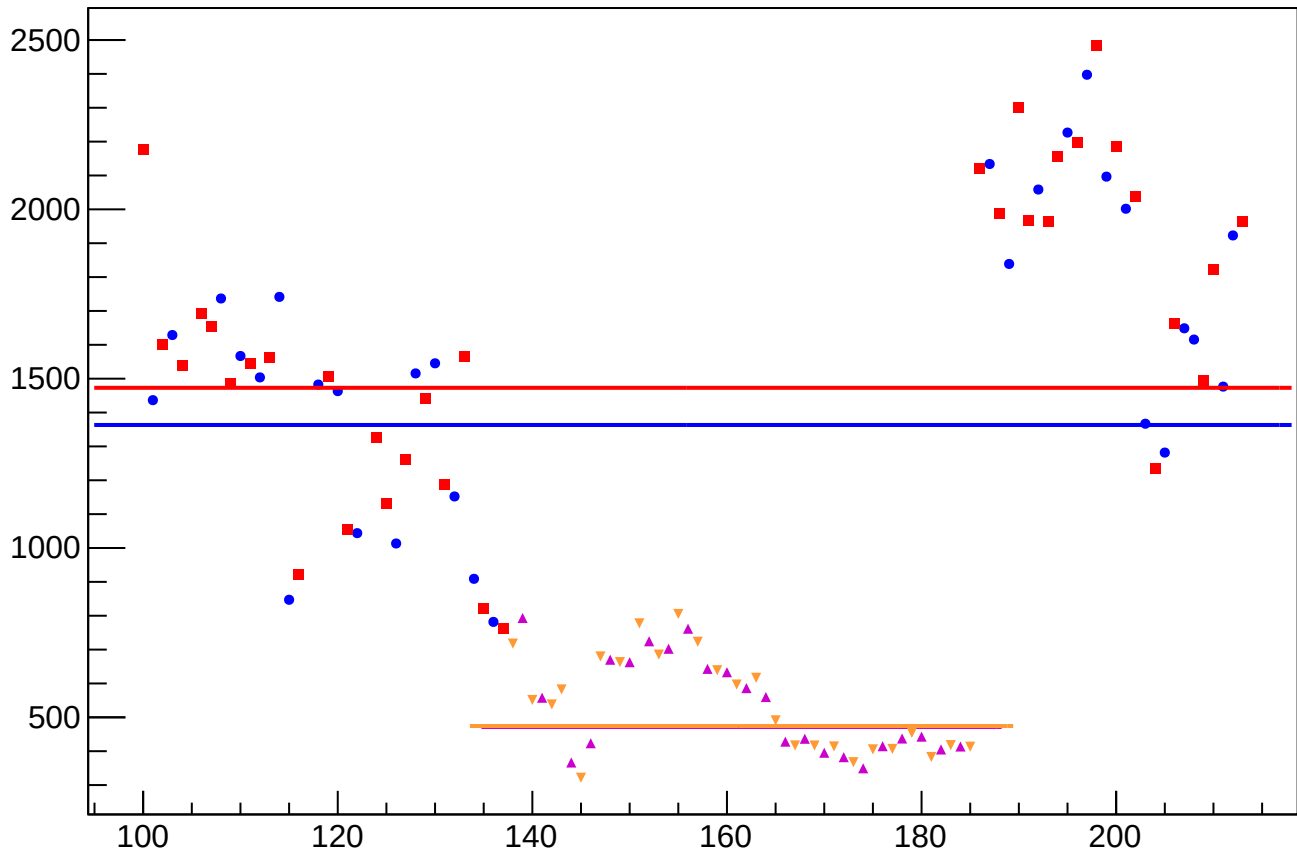
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -473.550 ± 106.300 χ^2/NDF : 94.4/53

All: -310.496 ± 75.998 χ^2/NDF : 163.2/110

- sign -140.014 ± 108.694 χ^2/NDF : 64.0/56

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1363.278 $\pm$ 0.243 χ^2/NDF : 3146384.9/28

Left Out: 474.294 $\pm$ 0.079 χ^2/NDF : 2538995.4/24

Right Out: 1473.067 $\pm$ 0.250 χ^2/NDF : 3139904.2/33

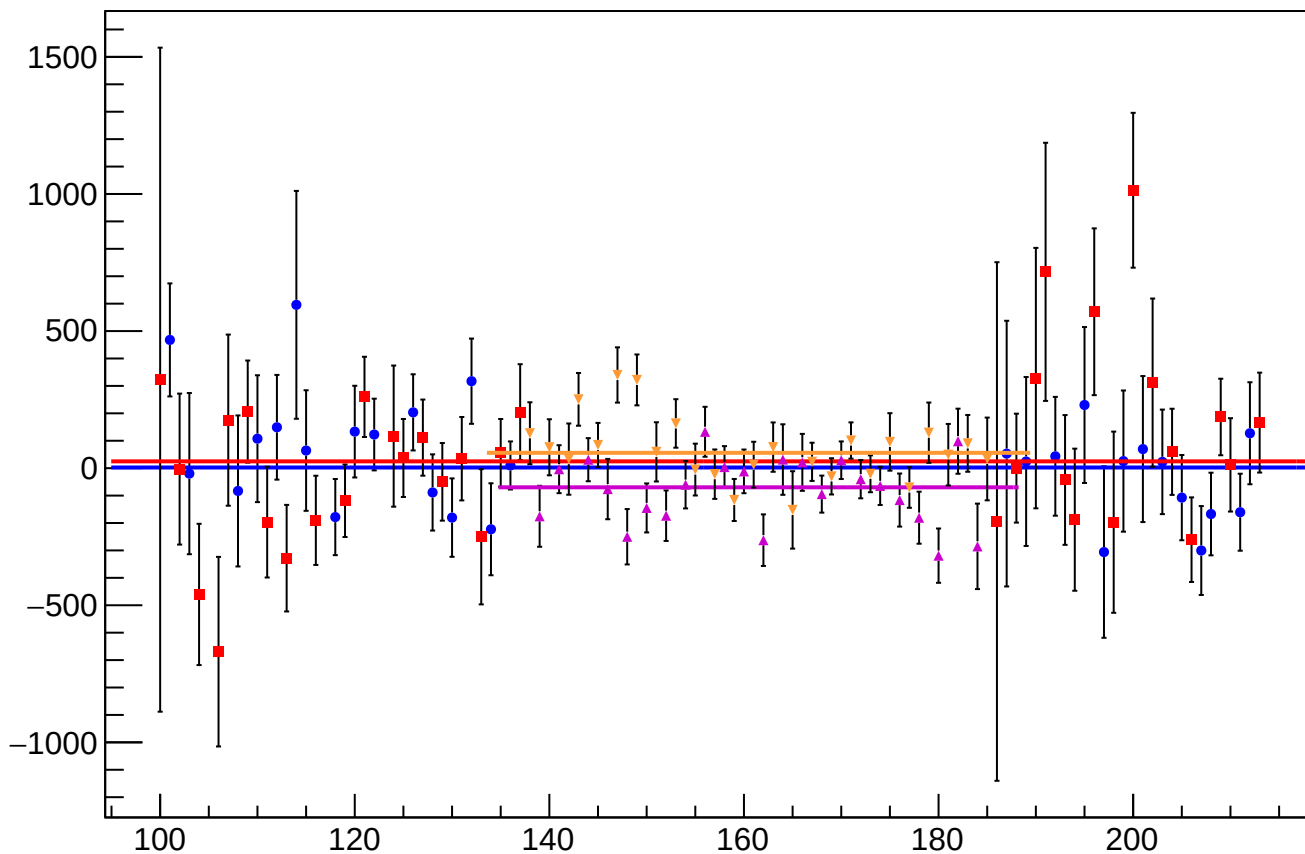
Left In: 471.456 $\pm$ 0.081 χ^2/NDF : 2209343.4/22

+ sign 559.231 $\pm$ 0.075 χ^2/NDF : 17773197.5/53

All: 562.580 $\pm$ 0.054 χ^2/NDF : 37655163.9/11

- sign 566.081 $\pm$ 0.077 χ^2/NDF : 19877906.8/56

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 2.450 ± 32.528 χ^2/NDF : 30.1/28

Left Out: 55.948 ± 17.949 χ^2/NDF : 38.3/24

Right Out: 24.826 ± 33.279 χ^2/NDF : 47.6/33

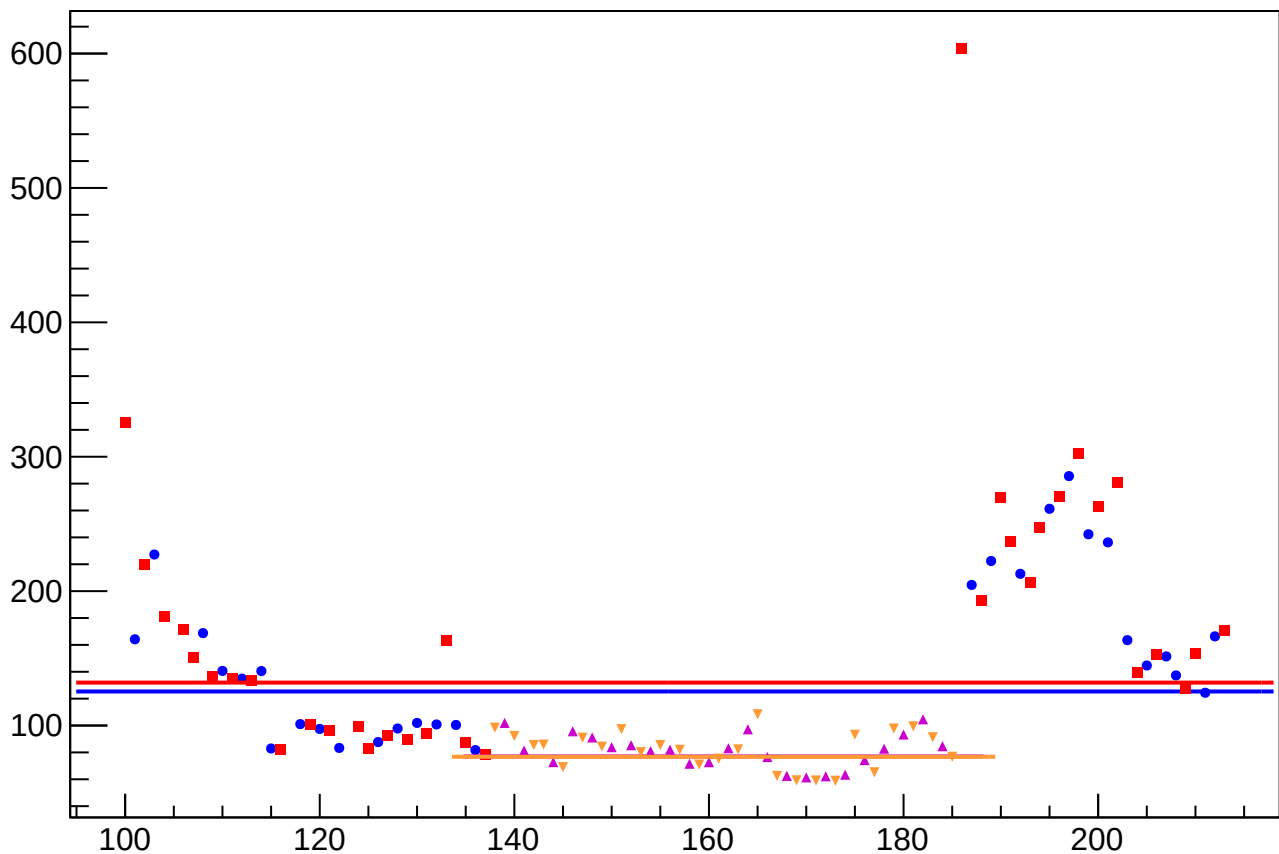
Left In: -69.843 ± 18.497 χ^2/NDF : 34.5/22

+ sign 43.461 ± 15.715 χ^2/NDF : 70.5/53

All: -0.731 ± 11.269 χ^2/NDF : 175.2/110

- sign -47.500 ± 16.167 χ^2/NDF : 88.4/56

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 125.330 $\pm$ 0.023 χ^2 /NDF: 4236680.0/28

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF: 1234627.7/24

Right Out: 131.949 $\pm$ 0.024 χ^2 /NDF: 5560717.7/33

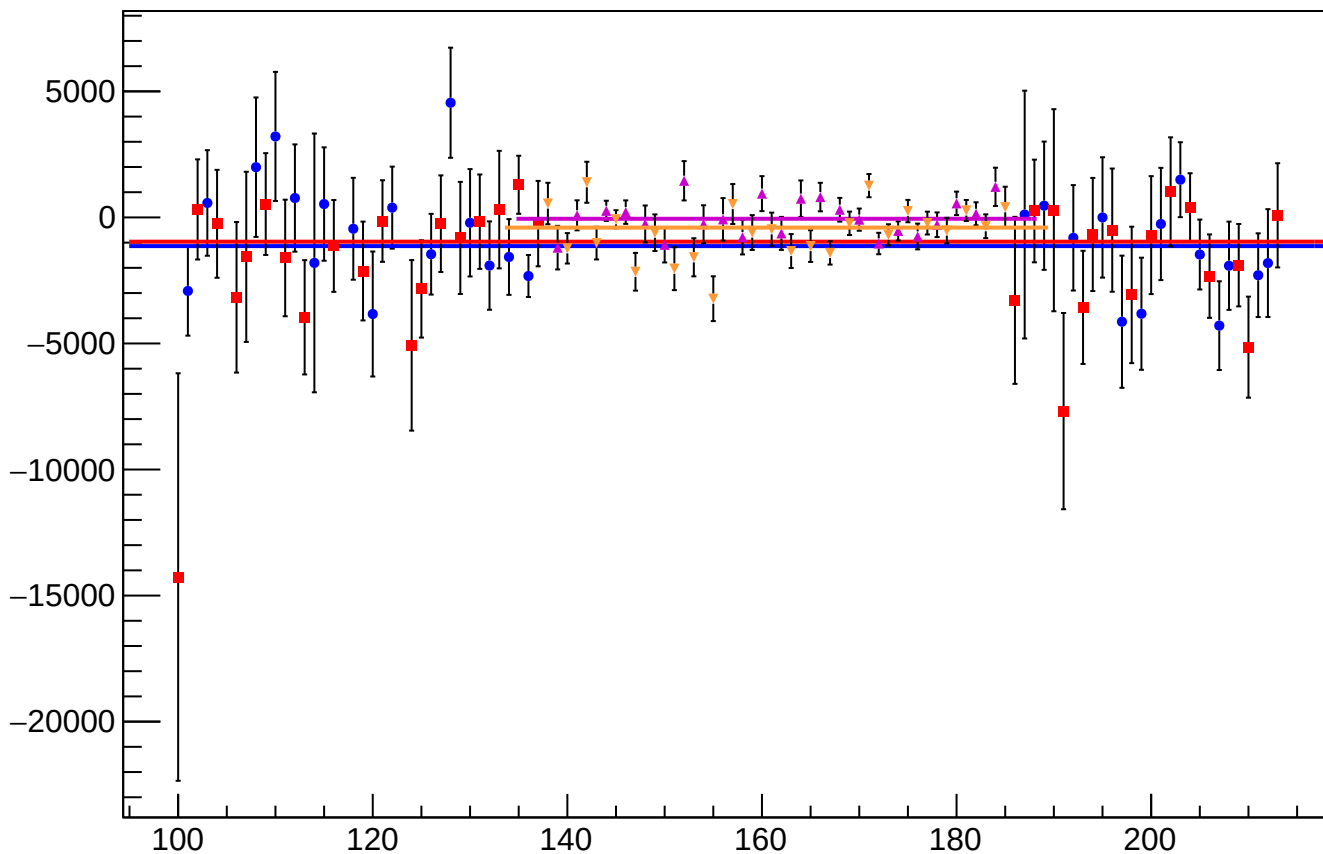
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF: 858863.2/22

+ sign 88.085 $\pm$ 0.011 χ^2 /NDF: 8891816.9/53

All: 89.007 $\pm$ 0.008 χ^2 /NDF: 19488581.5/110

- sign 89.983 $\pm$ 0.011 χ^2 /NDF: 10582592.8/56

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -1137.846 ± 343.897 χ^2/NDF : 29.5/28

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -962.624 ± 353.632 χ^2/NDF : 27.3/33

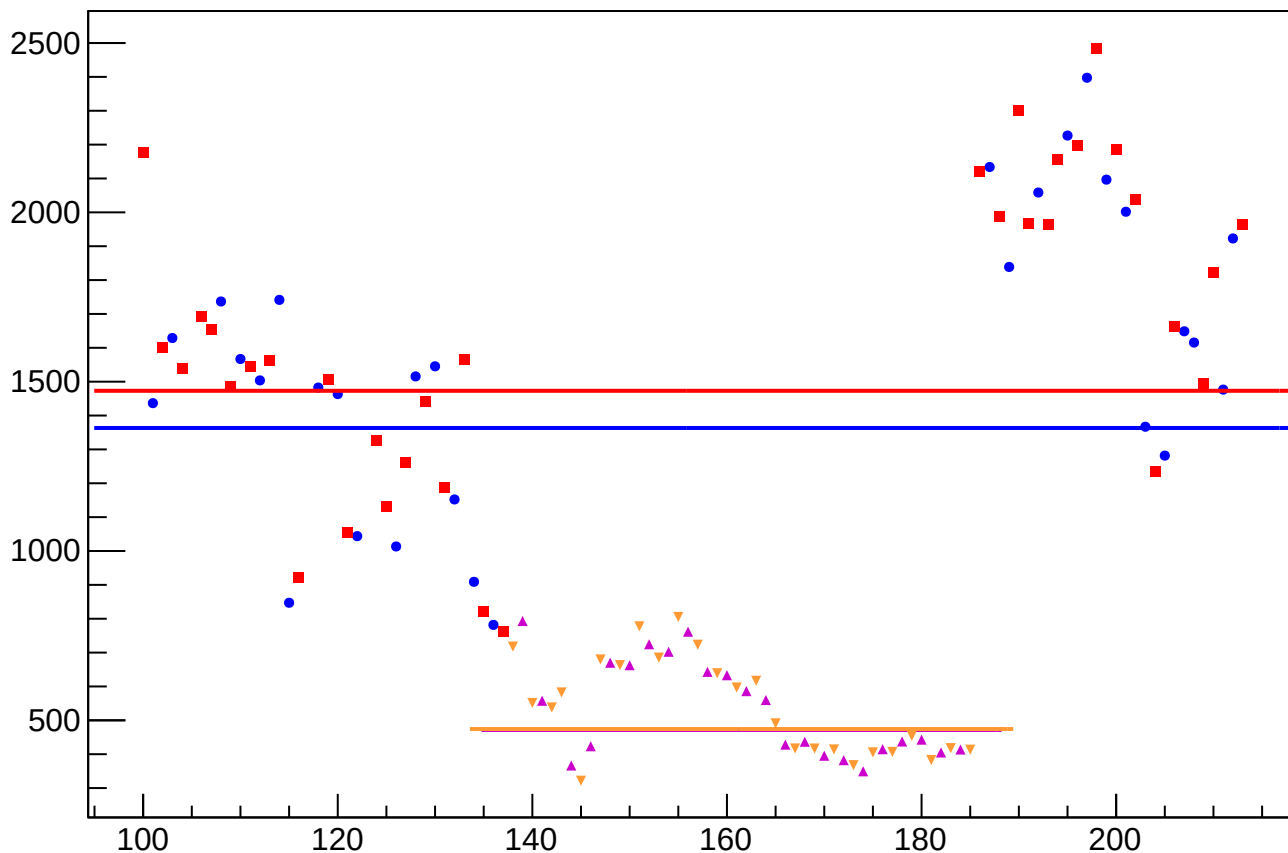
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -473.549 ± 106.299 χ^2/NDF : 94.4/53

All: -310.496 ± 75.997 χ^2/NDF : 163.2/110

- sign -140.014 ± 108.694 χ^2/NDF : 64.0/56

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1363.277 $\pm$ 0.243 χ^2 /NDF: 3146377.1/28

Left Out: 474.294 $\pm$ 0.079 χ^2 /NDF: 2538999.2/24

Right Out: 1473.066 $\pm$ 0.250 χ^2 /NDF: 3139900.6/33

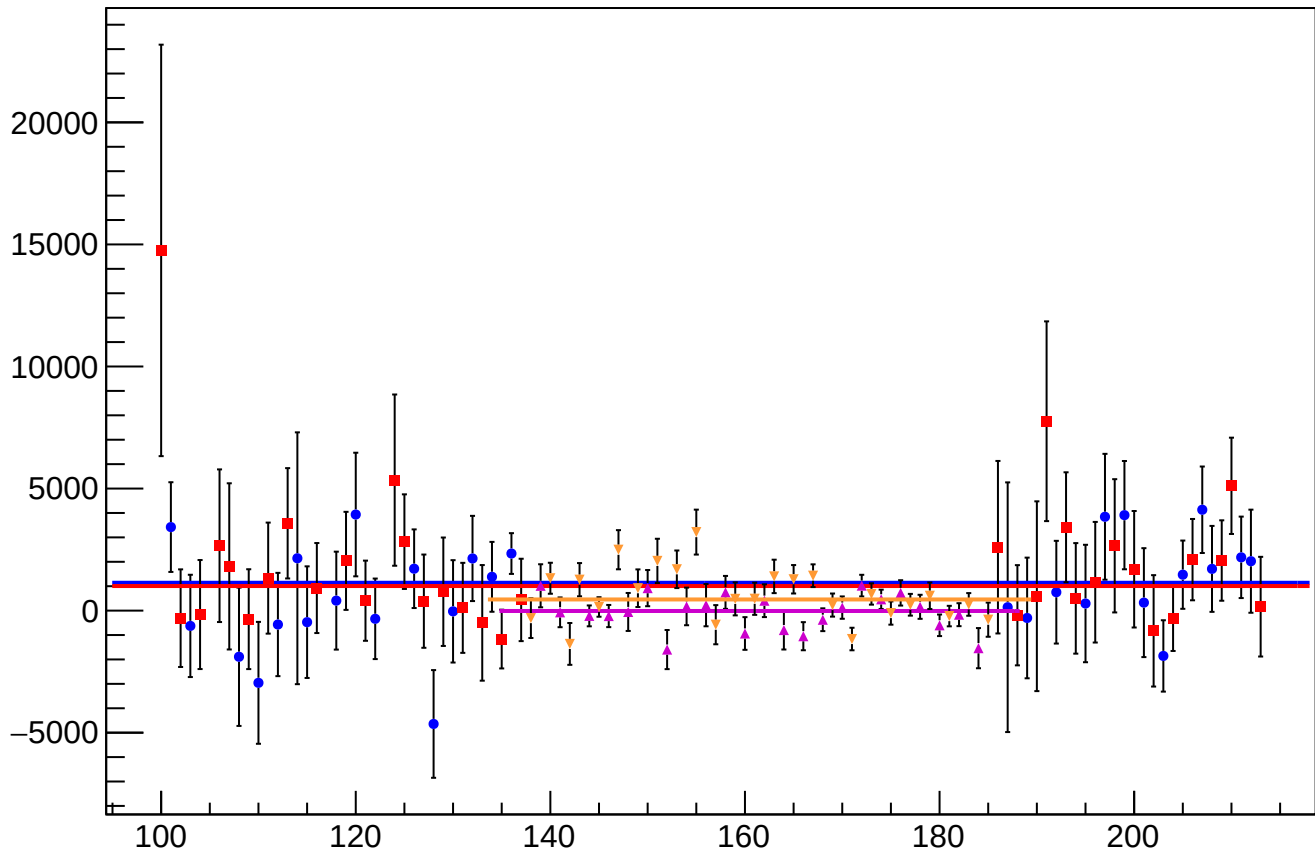
Left In: 471.456 $\pm$ 0.081 χ^2 /NDF: 2209338.4/22

+ sign 559.231 $\pm$ 0.075 χ^2 /NDF: 17773196.6/53

All: 562.580 $\pm$ 0.054 χ^2 /NDF: 37655148.4/11

- sign 566.081 $\pm$ 0.077 χ^2 /NDF: 19877892.0/56

asym_sam_3726_avg_mean vs Slug



Right In: 1140.886 $\pm$ 343.716 χ^2 /NDF: 30.3/28

Left Out: 457.286 $\pm$ 114.351 χ^2 /NDF: 59.4/24

Right Out: 1006.844 $\pm$ 357.540 χ^2 /NDF: 24.3/33

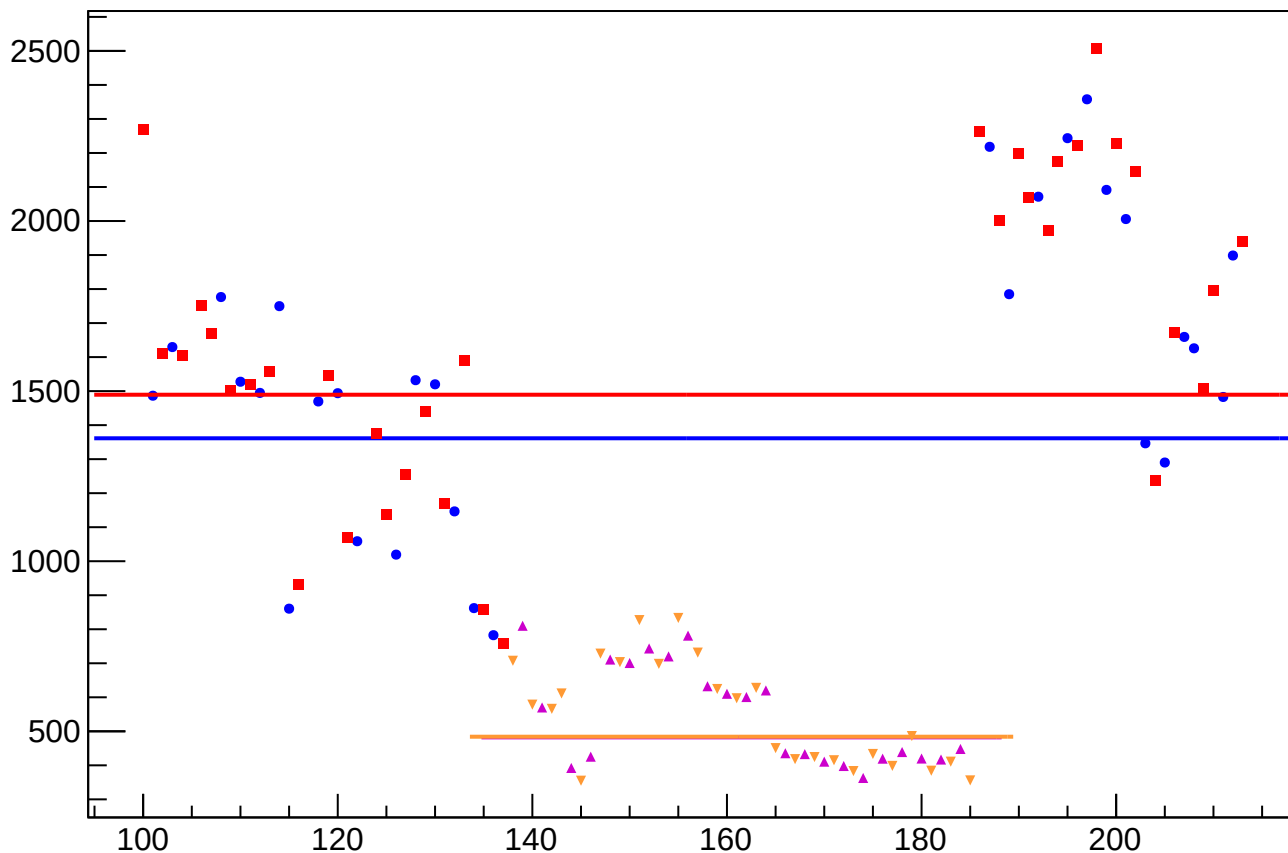
Left In: -15.089 $\pm$ 116.701 χ^2 /NDF: 30.3/22

+ sign 525.409 $\pm$ 108.504 χ^2 /NDF: 93.2/53

All: 309.264 $\pm$ 77.571 χ^2 /NDF: 163.3/110

- sign 83.302 $\pm$ 110.941 χ^2 /NDF: 61.9/56

asym_sam_3726_avg_rms vs Slug



Right In: 1361.353 ± 0.243 $\chi^2/\text{NDF}: 3177898.8/28$

Left Out: 484.128 ± 0.081 $\chi^2/\text{NDF}: 2548479.4/24$

Right Out: 1489.395 ± 0.253 $\chi^2/\text{NDF}: 3110176.4/33$

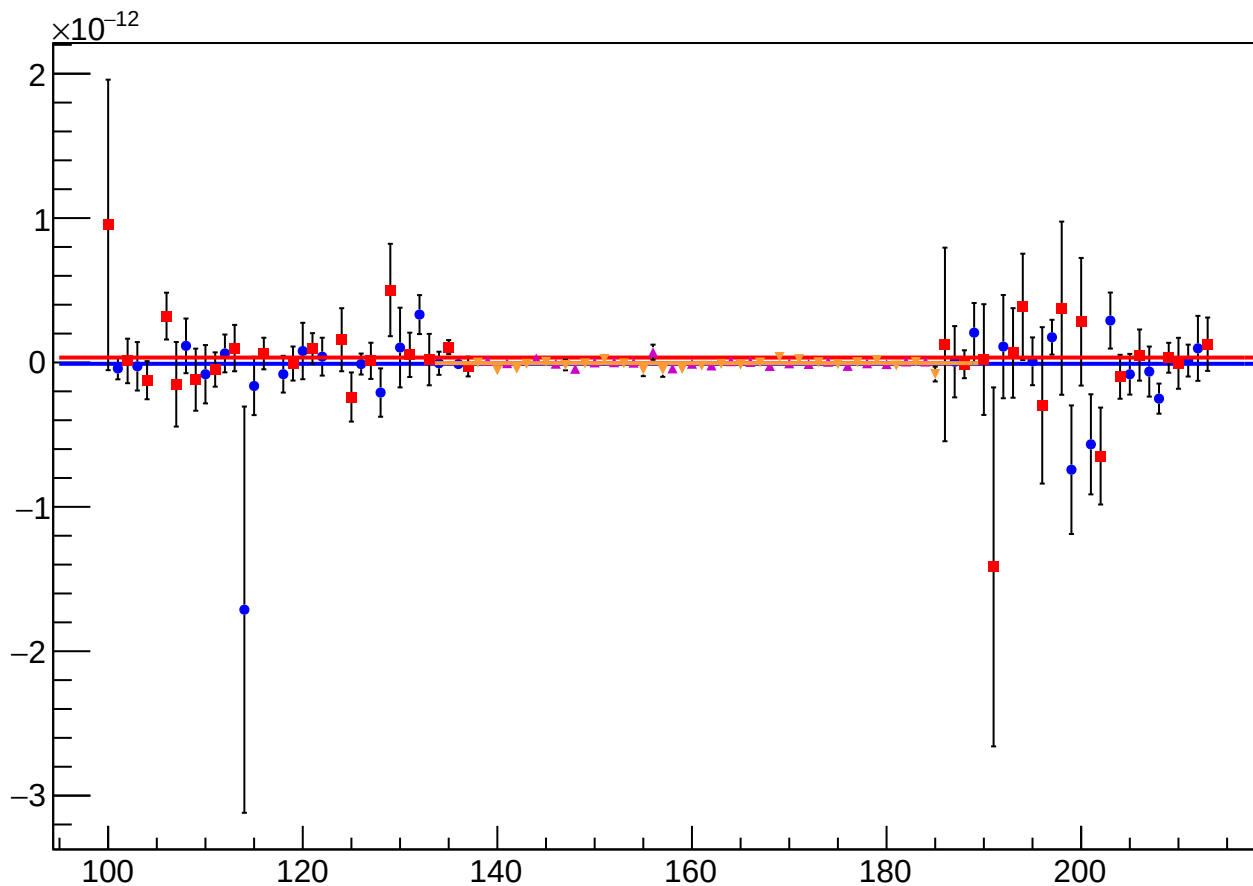
Left In: 482.160 ± 0.083 $\chi^2/\text{NDF}: 2186689.9/22$

+ sign 571.546 ± 0.077 $\chi^2/\text{NDF}: 17455375.6/53$

All: 575.257 ± 0.055 $\chi^2/\text{NDF}: 37101265.9/11$

- sign 579.136 ± 0.078 $\chi^2/\text{NDF}: 19641106.5/56$

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 29.0/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.4/33

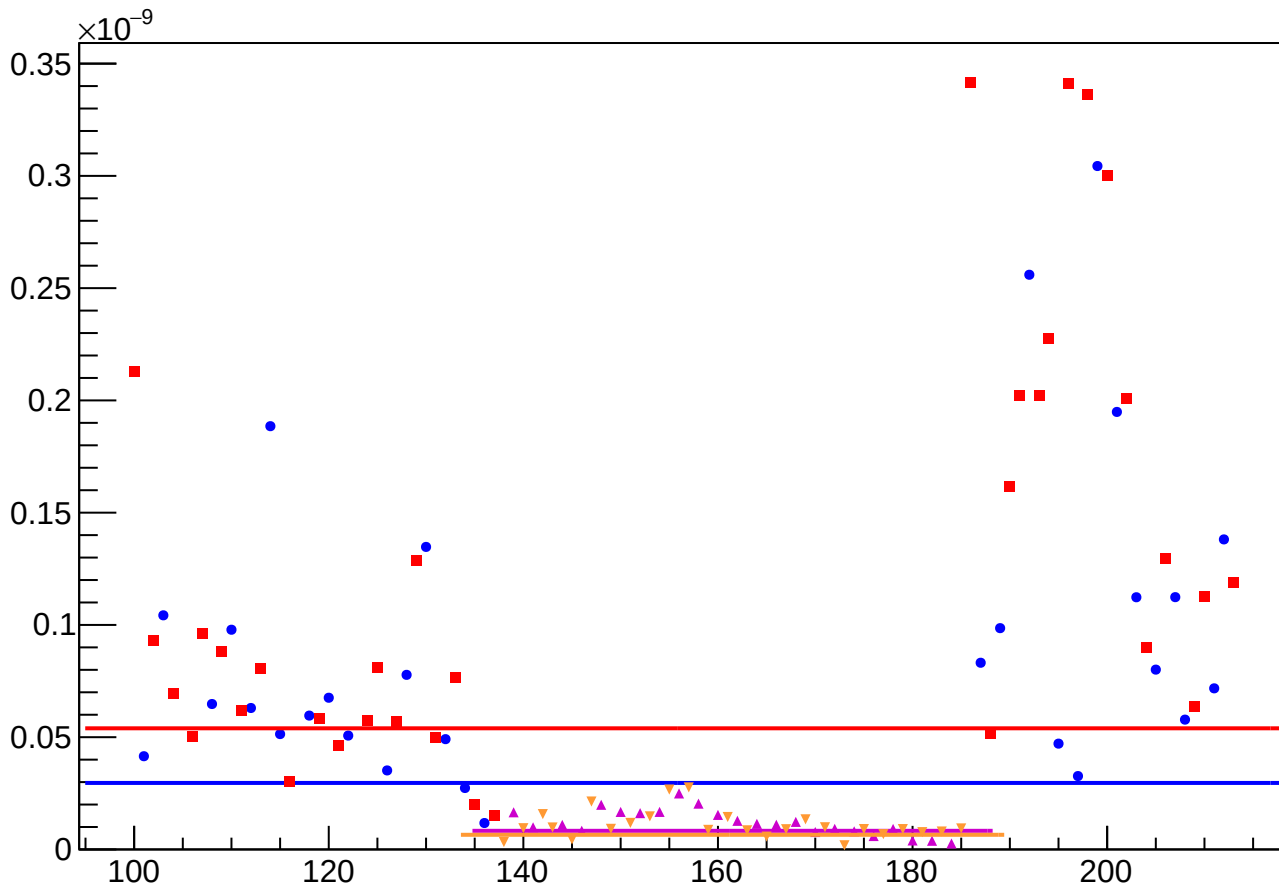
Left In: -0.000 ± 0.000 χ^2/NDF : 15.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.1/53

All: -0.000 ± 0.000 χ^2/NDF : 102.1/110

- sign -0.000 ± 0.000 χ^2/NDF : 41.9/56

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7524436.9/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6704730.1/33

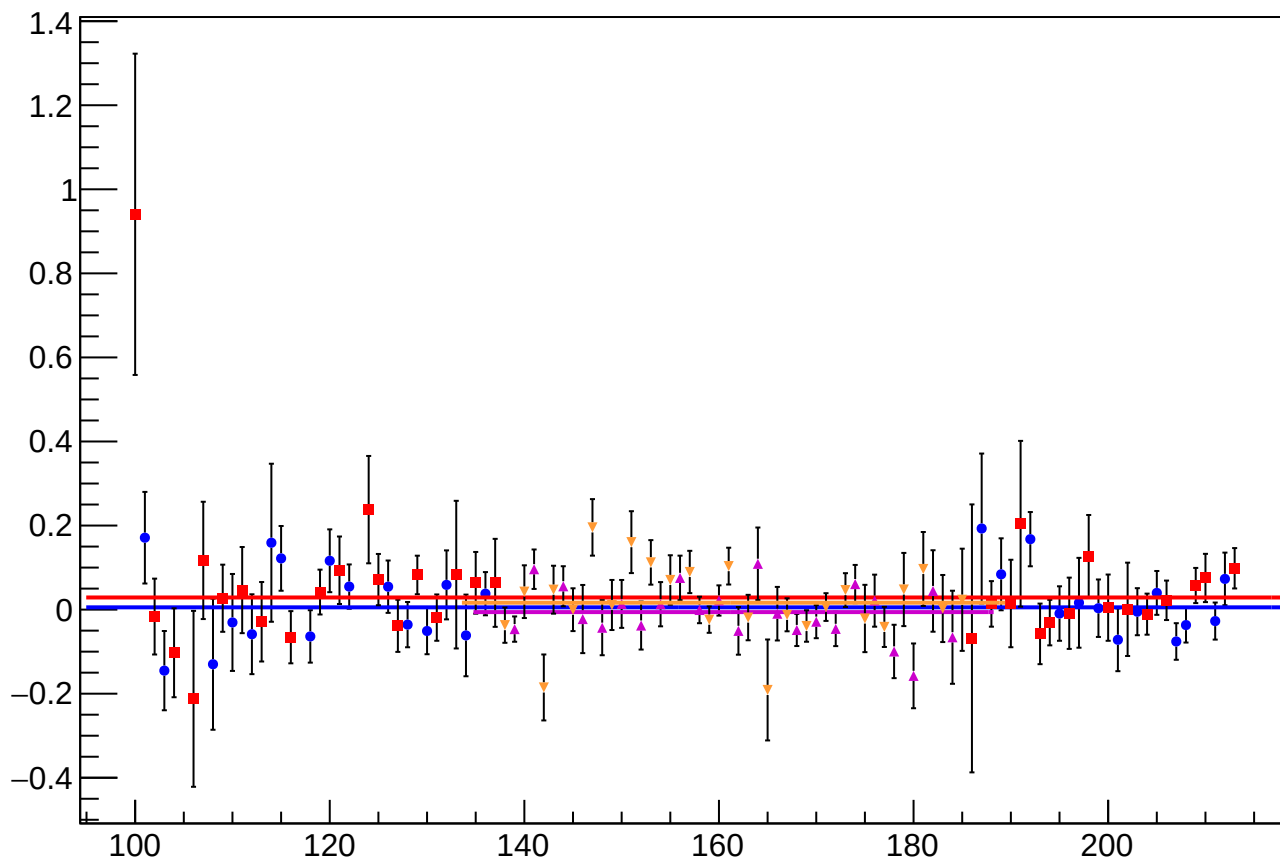
Left In: 0.000+/-0.000 χ^2/NDF : 2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 15160675.4/53

All: 0.000+/-0.000 χ^2/NDF : 32133089.6/110

- sign 0.000+/-0.000 χ^2/NDF : 16619787.4/56

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.012 $\chi^2/\text{NDF}: 33.1/28$

Left Out: 0.016 ± 0.010 $\chi^2/\text{NDF}: 41.1/24$

Right Out: 0.029 ± 0.012 $\chi^2/\text{NDF}: 28.4/33$

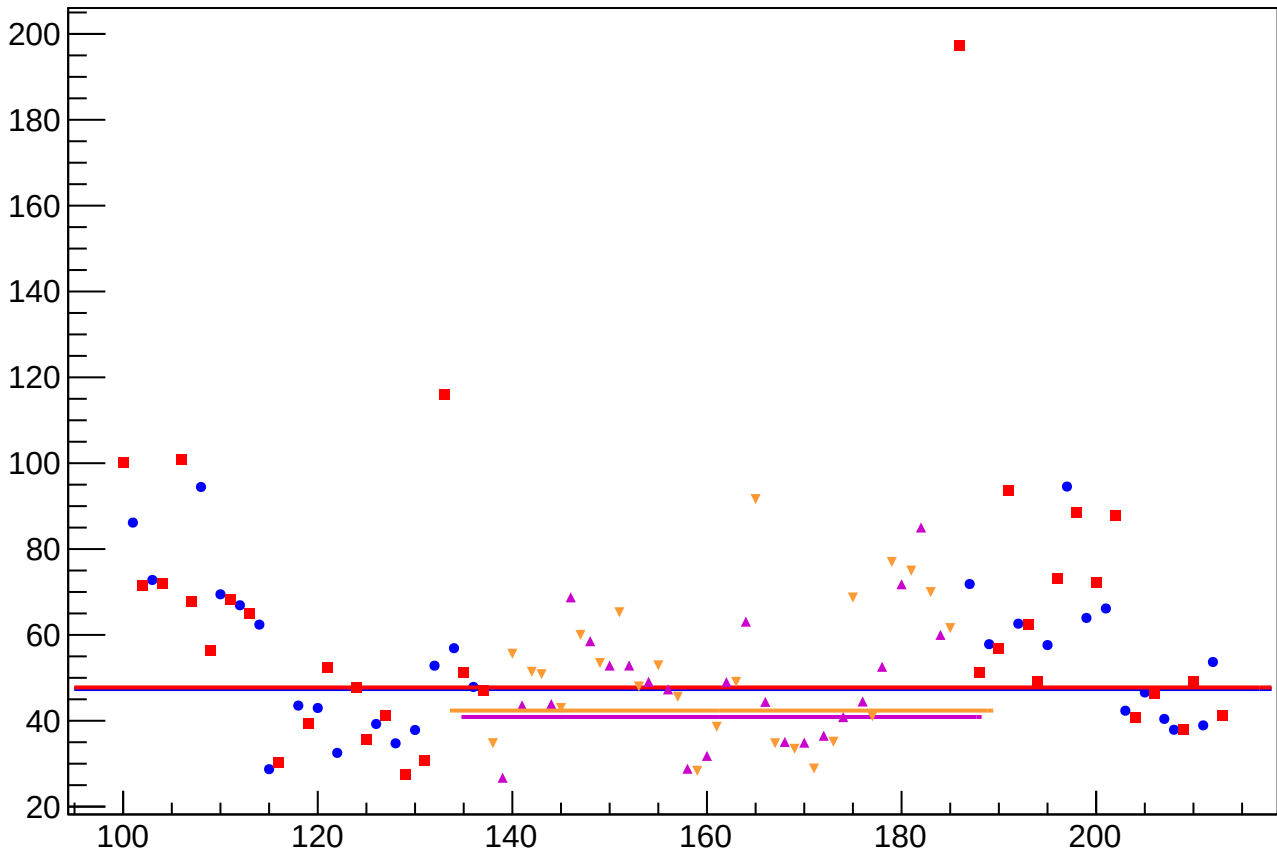
Left In: -0.006 ± 0.010 $\chi^2/\text{NDF}: 26.0/22$

+ sign 0.012 ± 0.008 $\chi^2/\text{NDF}: 74.6/53$

All: 0.010 ± 0.006 $\chi^2/\text{NDF}: 133.8/110$

- sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 59.2/56$

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.386+/-0.009 χ^2/NDF : 2402448.4/28

Left Out: 42.375+/-0.007 χ^2/NDF : 3190972.5/24

Right Out: 47.758+/-0.009 χ^2/NDF : 3641979.2/33

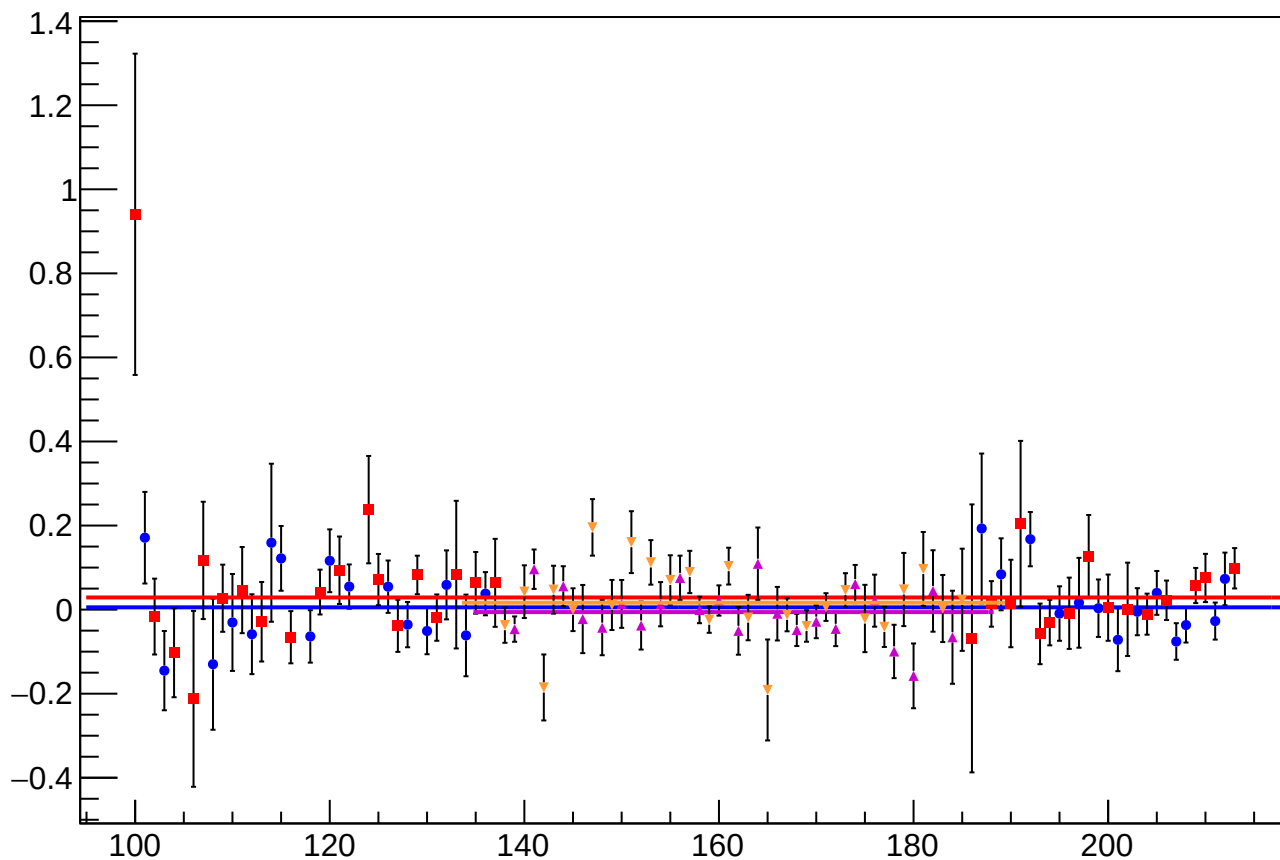
Left In: 40.881+/-0.007 χ^2/NDF : 2678327.2/22

+ sign 44.462+/-0.006 χ^2/NDF : 5788830.3/53

All: 44.106+/-0.004 χ^2/NDF : 12491225.4/110

- sign 43.755+/-0.006 χ^2/NDF : 6694326.3/56

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.012 χ^2 /NDF: 33.1/28

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: 0.029 $\pm$ 0.012 χ^2 /NDF: 28.4/33

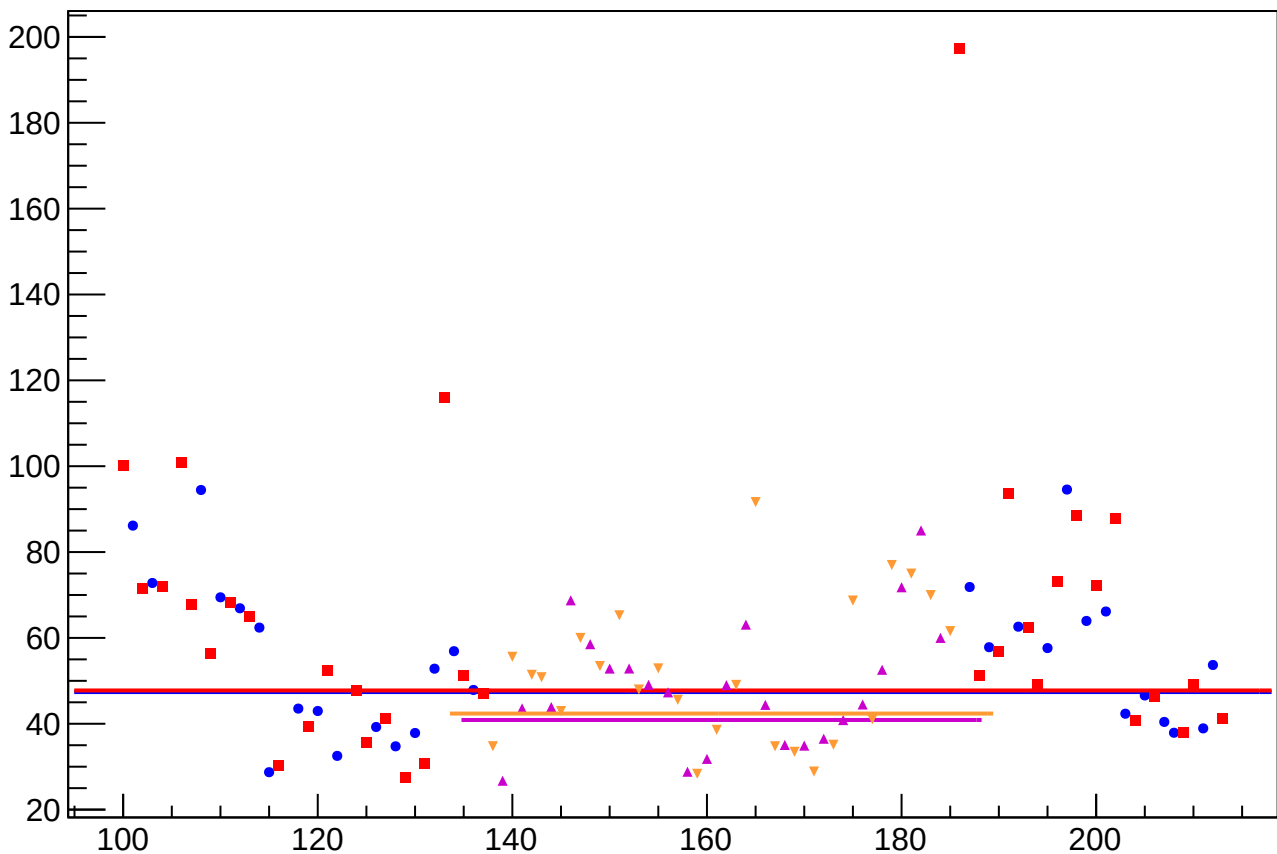
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 74.6/53

All: 0.010 $\pm$ 0.006 χ^2 /NDF: 133.8/110

- sign 0.009 $\pm$ 0.008 χ^2 /NDF: 59.2/56

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.386 $\pm$ 0.009 χ^2 /NDF: 2402448.4/28

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190972.5/24

Right Out: 47.758 $\pm$ 0.009 χ^2 /NDF: 3641979.2/33

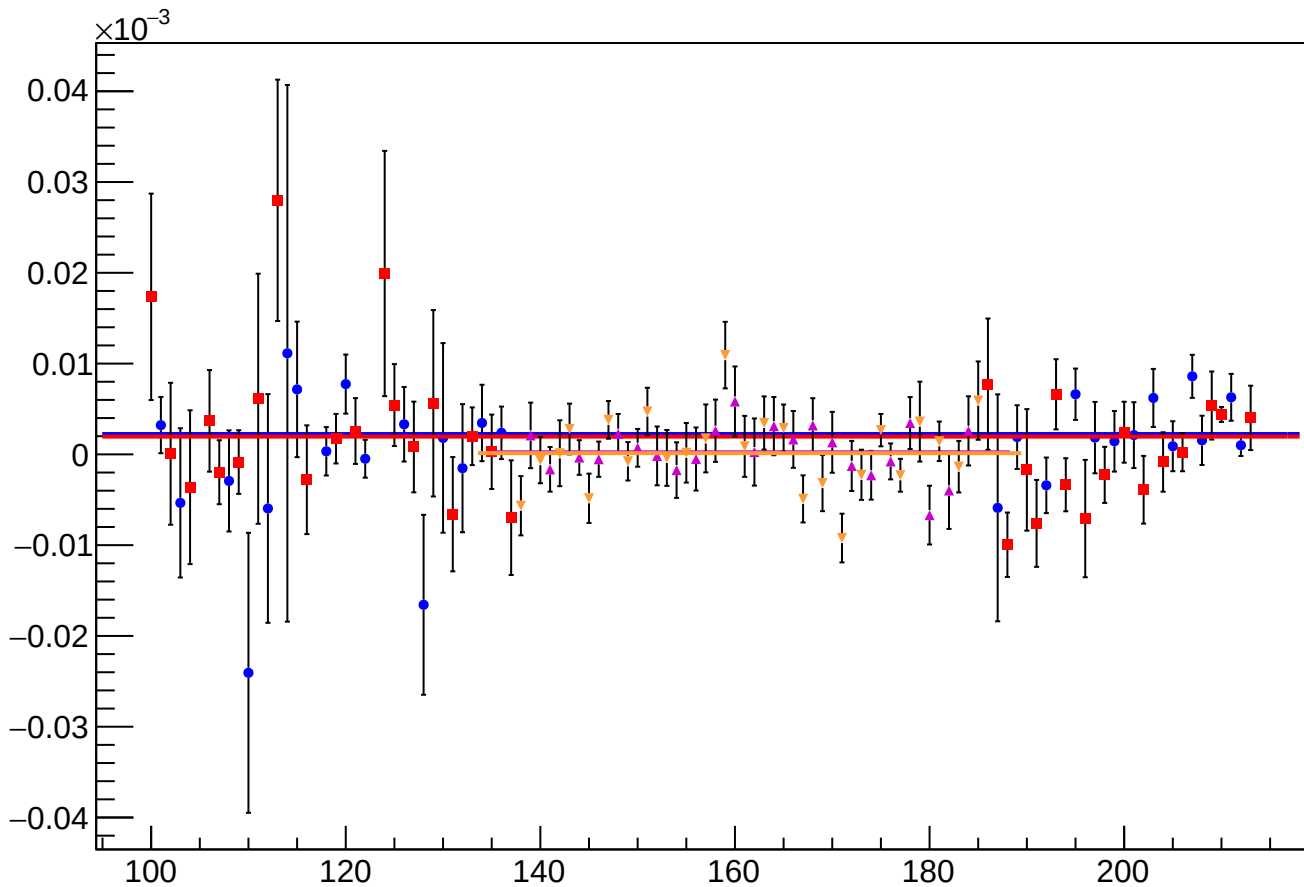
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678327.2/22

+ sign 44.462 $\pm$ 0.006 χ^2 /NDF: 5788830.3/53

All: 44.106 $\pm$ 0.004 χ^2 /NDF: 12491225.4/110

- sign 43.755 $\pm$ 0.006 χ^2 /NDF: 6694326.3/56

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:49.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 54.1/33

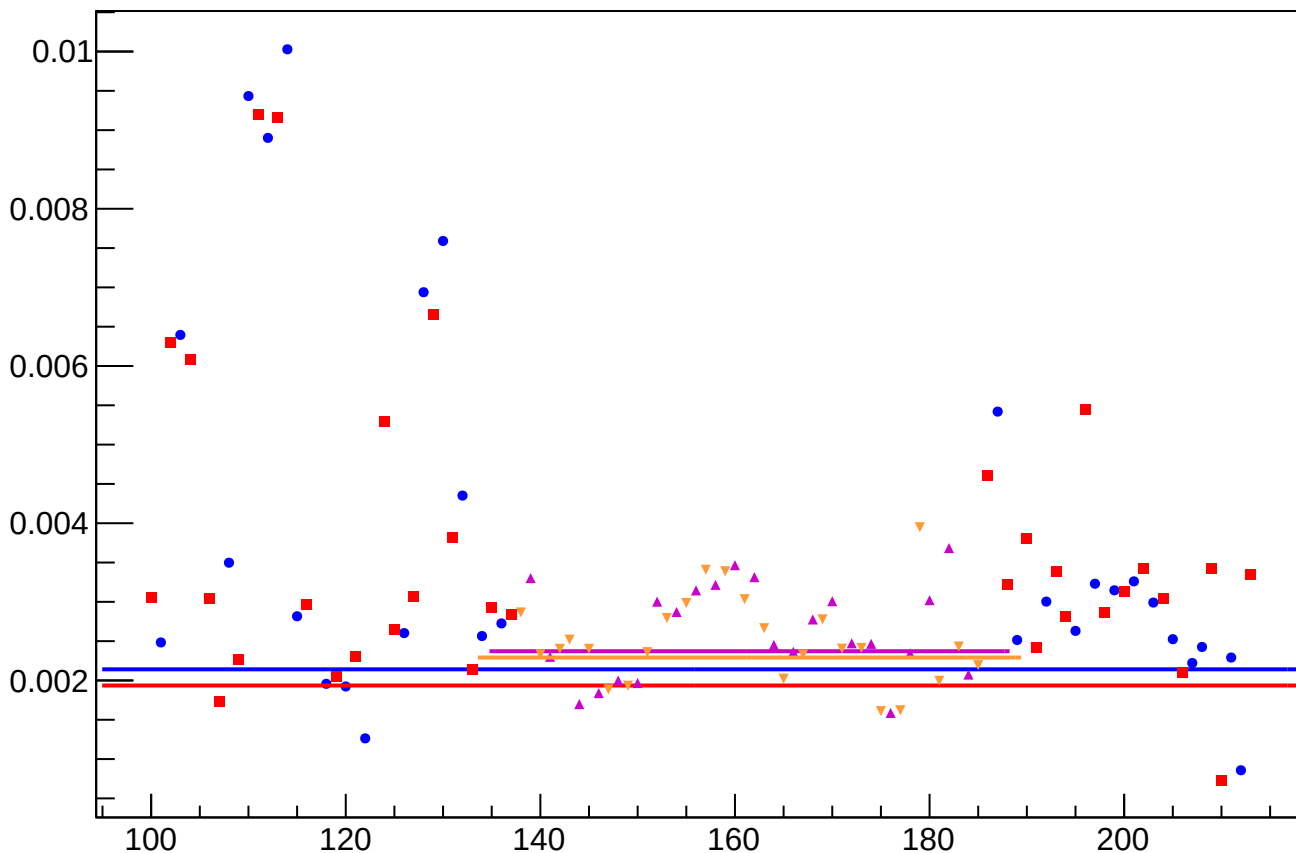
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 90.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 165.3/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.7/56

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7027067.1/28

Left Out: 0.002+/-0.000 χ^2/NDF : 1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11249834.0/33

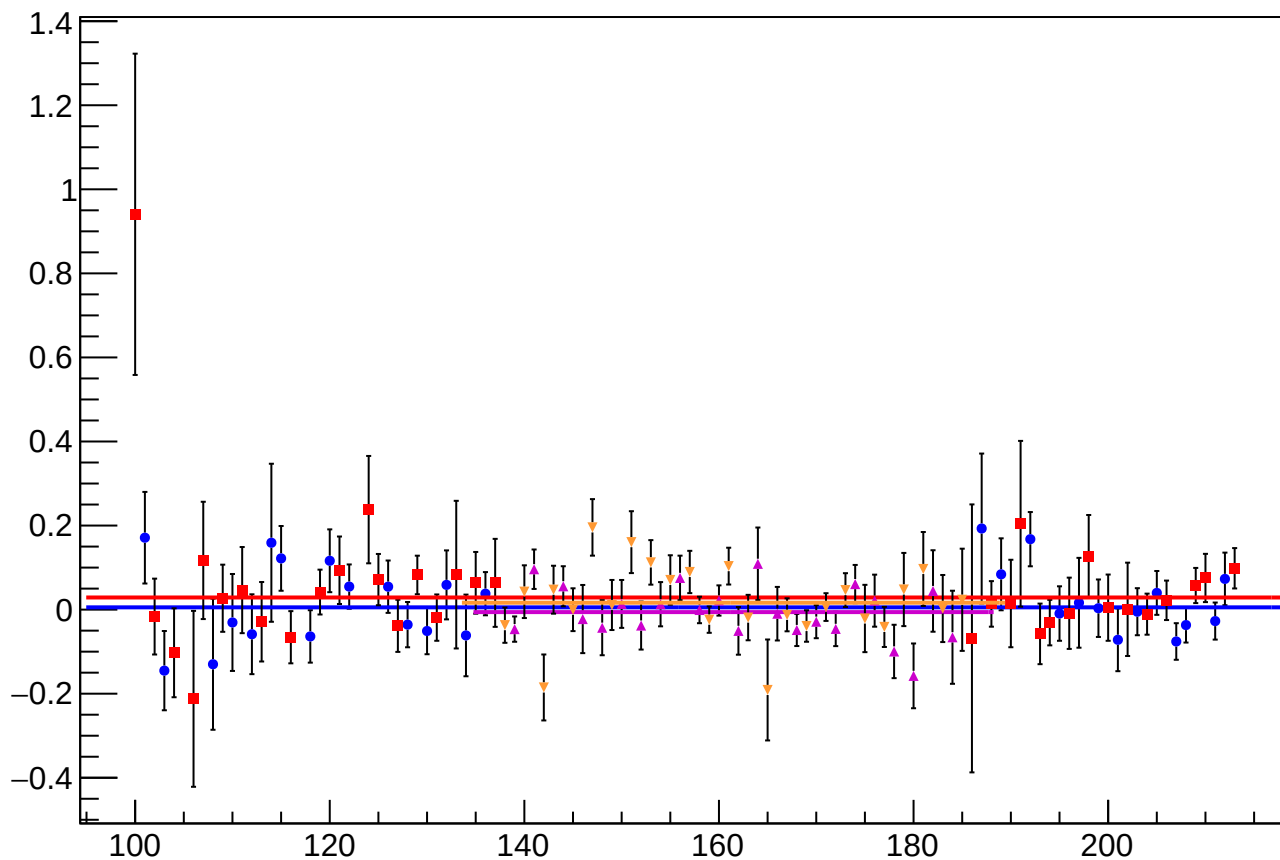
Left In: 0.002+/-0.000 χ^2/NDF : 2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 8916955.1/53

All: 0.002+/-0.000 χ^2/NDF : 22836211.9/110

- sign 0.002+/-0.000 χ^2/NDF : 13875453.1/56

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.012 χ^2/NDF : 33.1/28

Left Out: 0.016 ± 0.010 χ^2/NDF : 41.1/24

Right Out: 0.029 ± 0.012 χ^2/NDF : 28.4/33

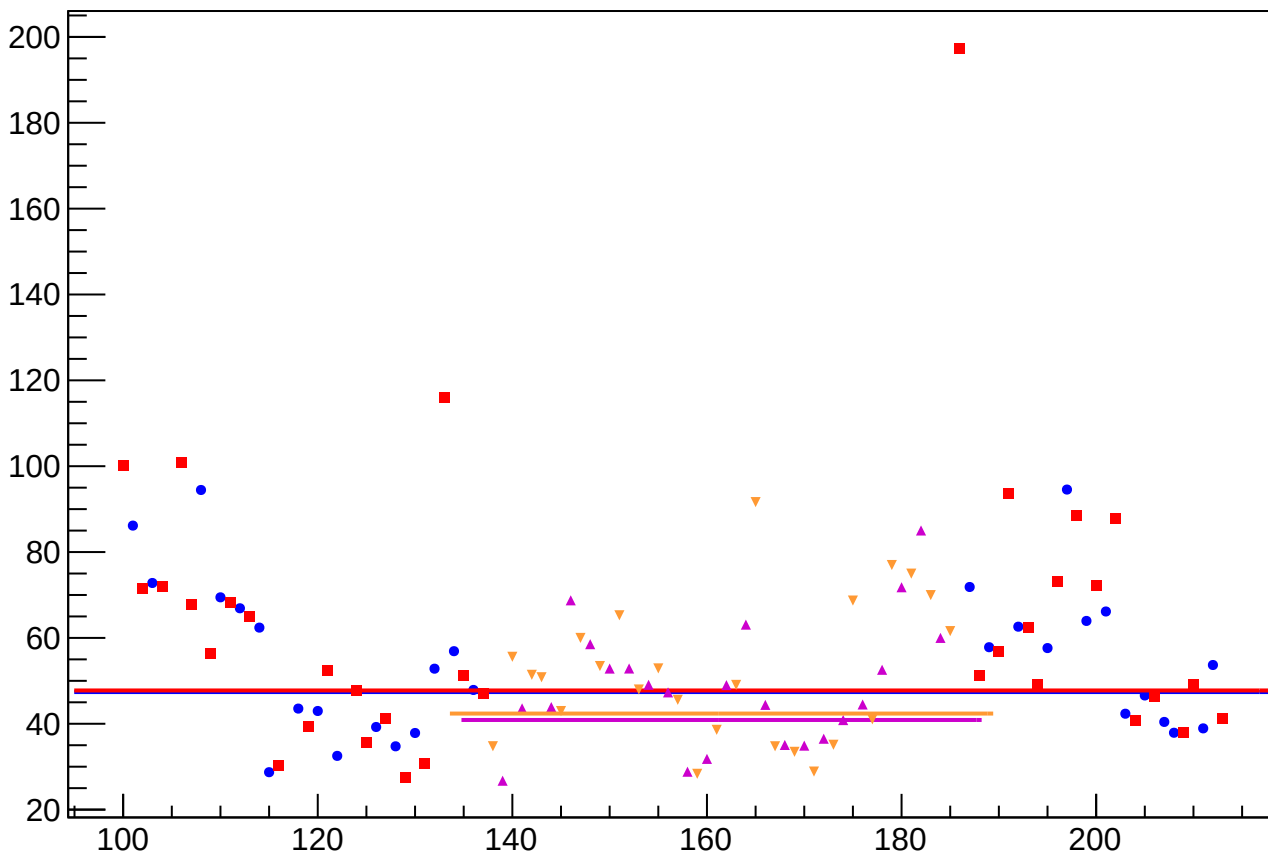
Left In: -0.006 ± 0.010 χ^2/NDF : 26.0/22

+ sign 0.012 ± 0.008 χ^2/NDF : 74.6/53

All: 0.010 ± 0.006 χ^2/NDF : 133.8/110

- sign 0.009 ± 0.008 χ^2/NDF : 59.2/56

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.386 $\pm$ 0.009 χ^2 /NDF: 2402407.2/28

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF:3190999.9/24

Right Out: 47.758 $\pm$ 0.009 χ^2 /NDF: 3641904.9/33

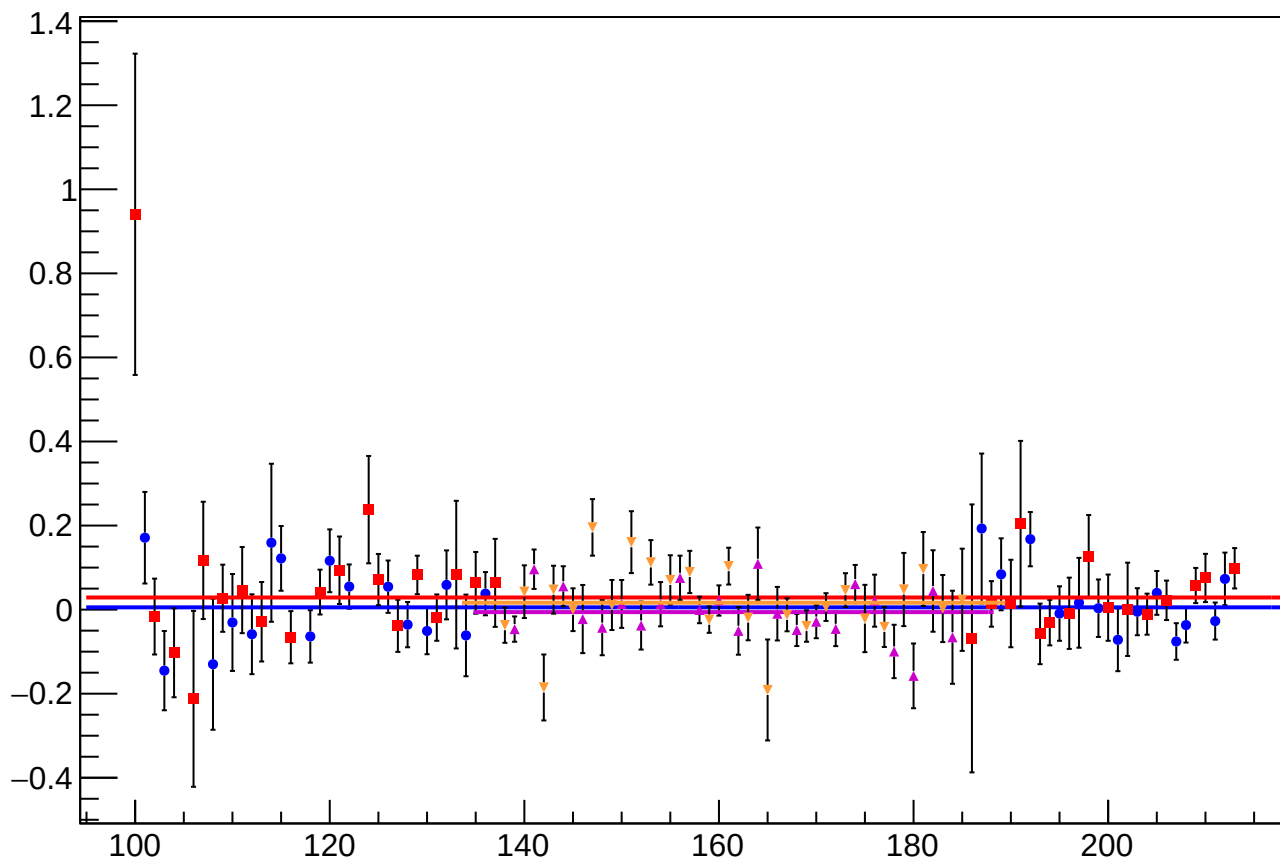
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF:2678344.3/22

+ sign 44.463 $\pm$ 0.006 χ^2 /NDF: 5788790.9/53

All: 44.106 $\pm$ 0.004 χ^2 /NDF: 12491095.6/110

- sign 43.756 $\pm$ 0.006 χ^2 /NDF: 6694237.8/56

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.012 χ^2 /NDF: 33.1/28

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: 0.029 $\pm$ 0.012 χ^2 /NDF: 28.4/33

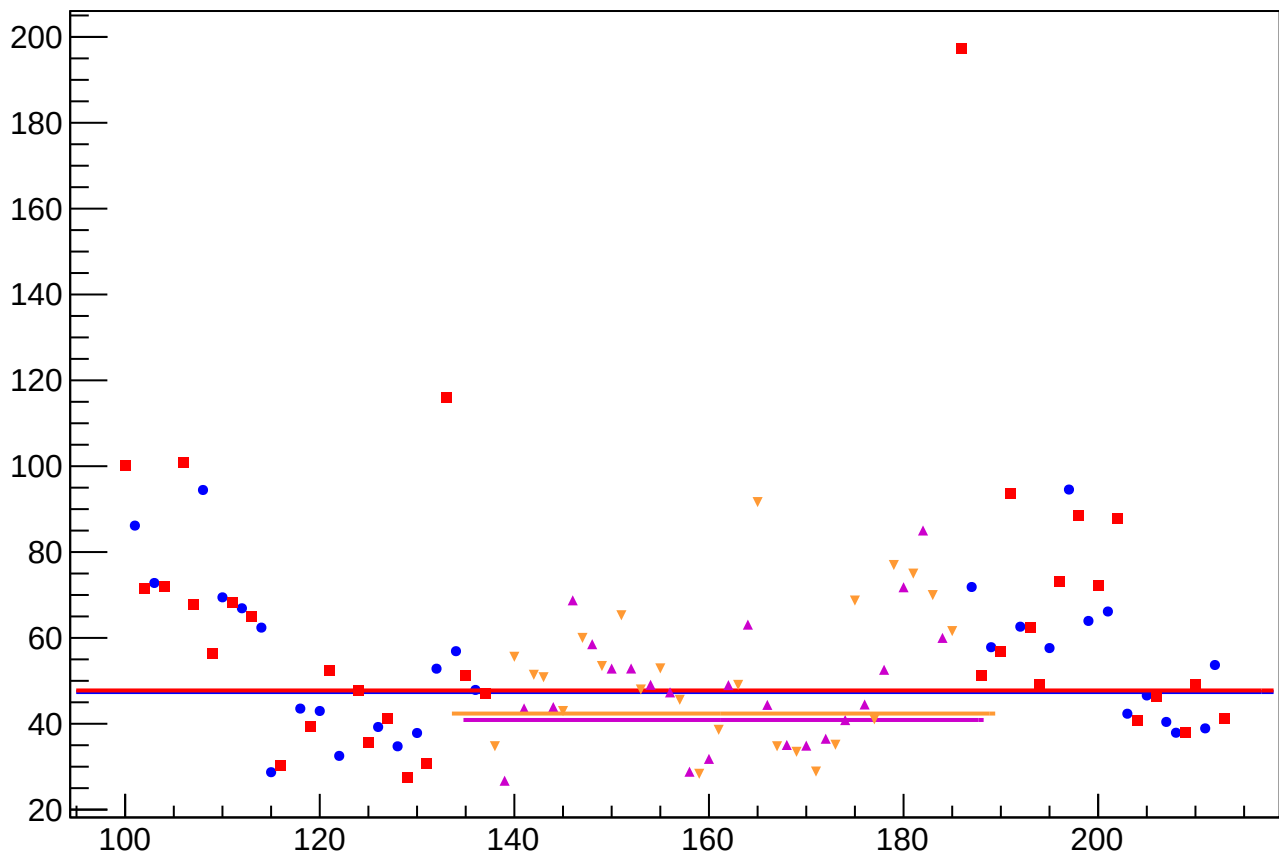
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.012 $\pm$ 0.008 χ^2 /NDF: 74.6/53

All: 0.010 $\pm$ 0.006 χ^2 /NDF: 133.8/110

- sign 0.009 $\pm$ 0.008 χ^2 /NDF: 59.2/56

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.386 $\pm$ 0.009 χ^2 /NDF: 2402407.2/28

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190999.9/24

Right Out: 47.758 $\pm$ 0.009 χ^2 /NDF: 3641904.9/33

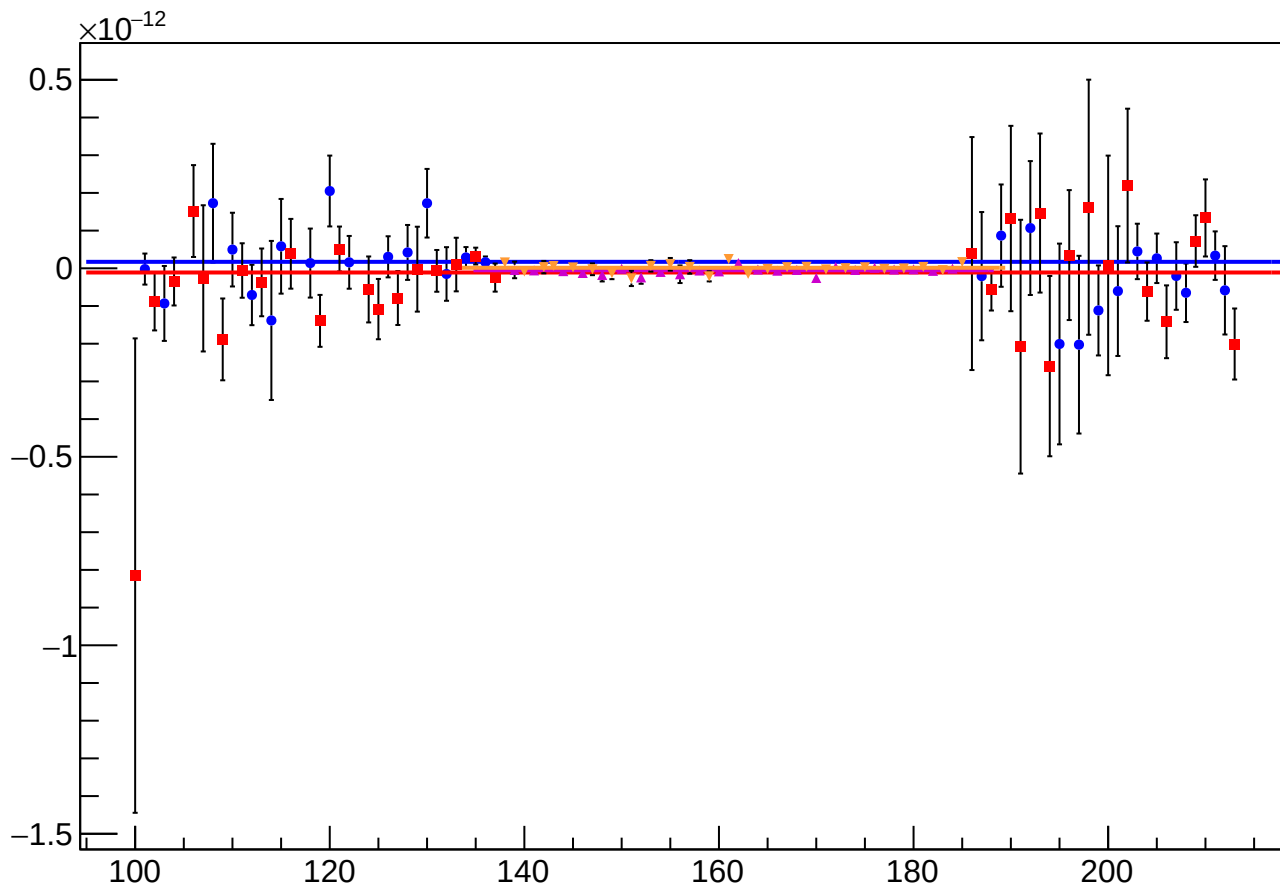
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678344.3/22

+ sign 44.463 $\pm$ 0.006 χ^2 /NDF: 5788790.9/53

All: 44.106 $\pm$ 0.004 χ^2 /NDF: 12491095.6/110

- sign 43.756 $\pm$ 0.006 χ^2 /NDF: 6694237.8/56

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.3/33

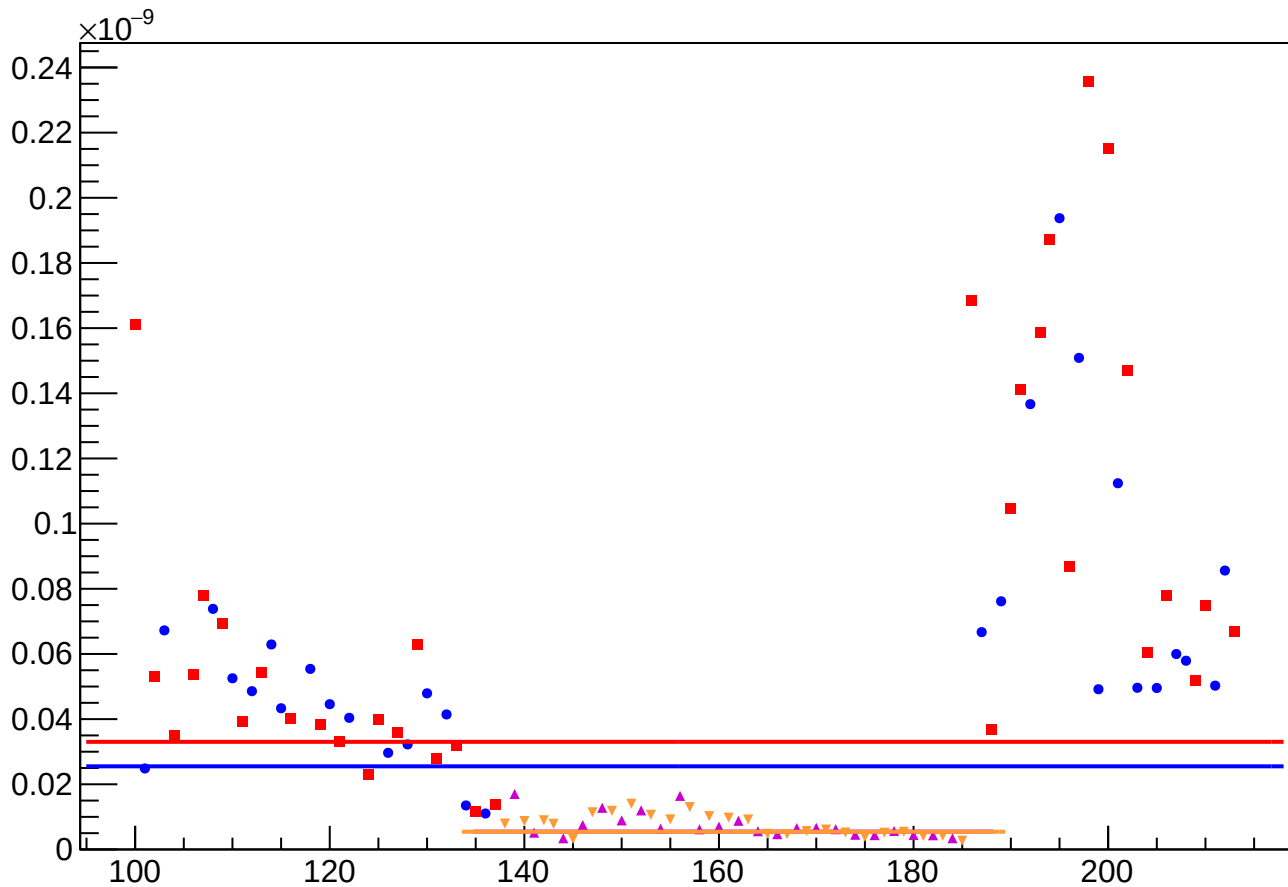
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.2/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 94.2/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.7/56

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8876315.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9361422.1/33

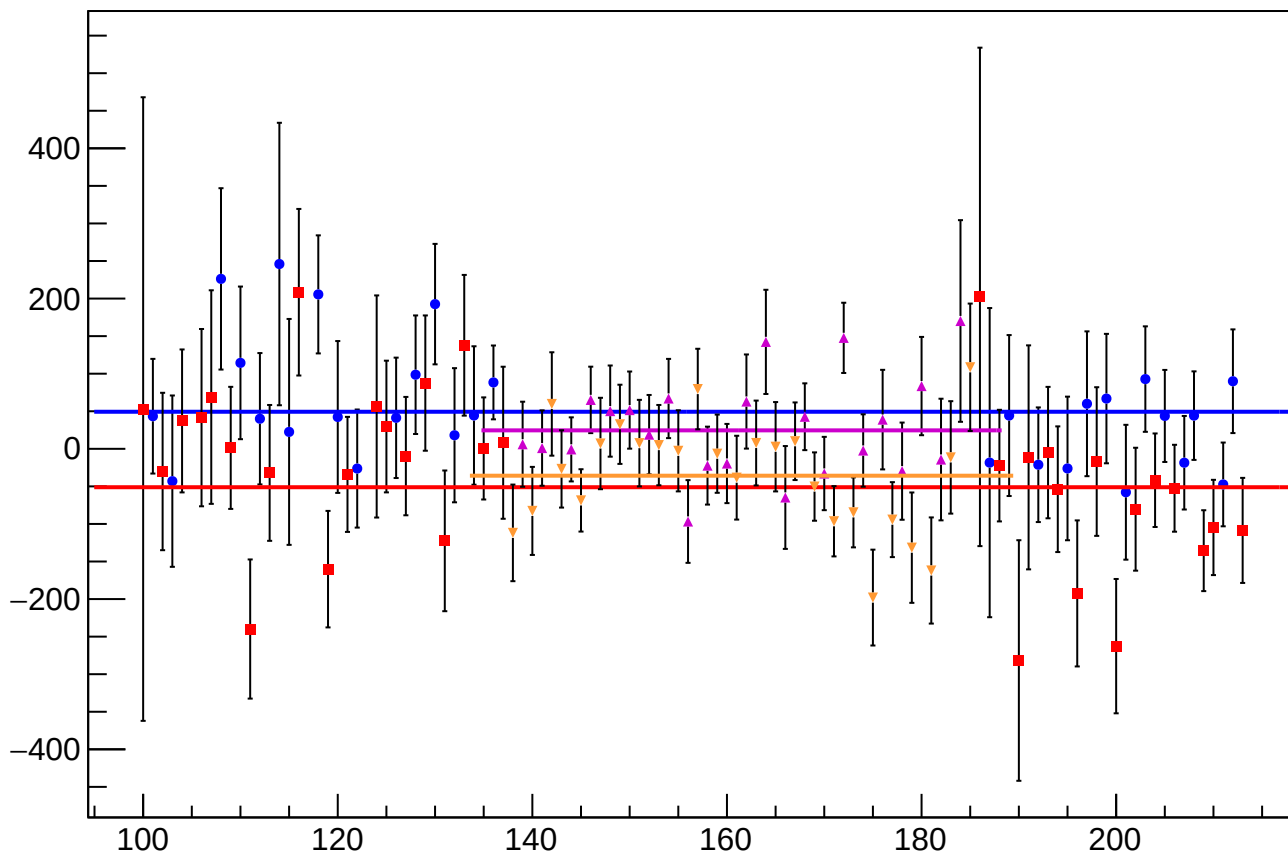
Left In: 0.000+/-0.000 χ^2/NDF : 2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 19936856.9/53

All: 0.000+/-0.000 χ^2/NDF : 41776356.5/110

- sign 0.000+/-0.000 χ^2/NDF : 21838603.5/56

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 49.340 ± 14.950 χ^2/NDF : 21.6/28

Left Out: -35.787 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -51.121 ± 14.865 χ^2/NDF : 39.0/33

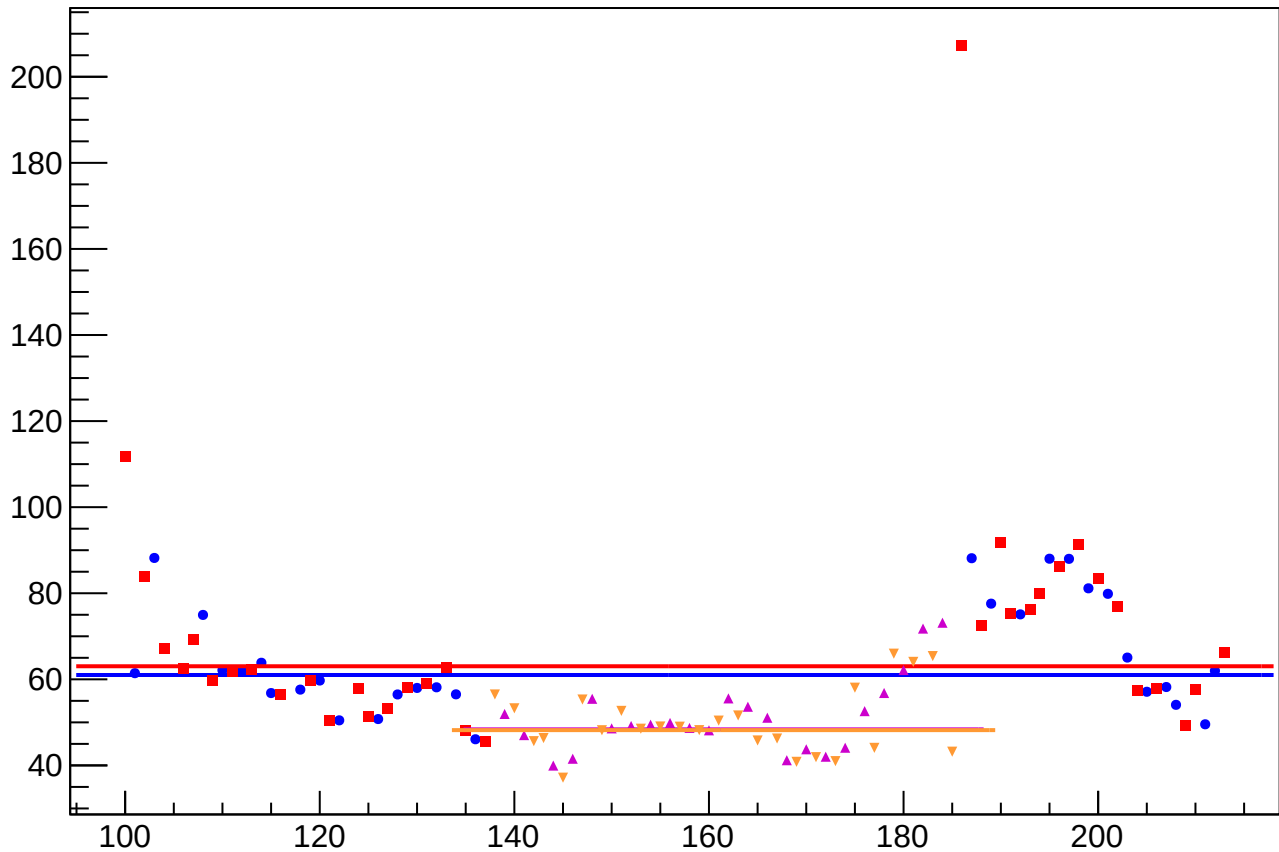
Left In: 24.572 ± 11.471 χ^2/NDF : 25.7/22

+ sign -5.468 ± 8.922 χ^2/NDF : 76.2/53

All: -4.590 ± 6.364 χ^2/NDF : 157.2/110

- sign -3.680 ± 9.081 χ^2/NDF : 81.0/56

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.008 $\pm$ 0.011 χ^2 /NDF: 1212734.4/28

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 63.038 $\pm$ 0.011 χ^2 /NDF: 1652825.1/33

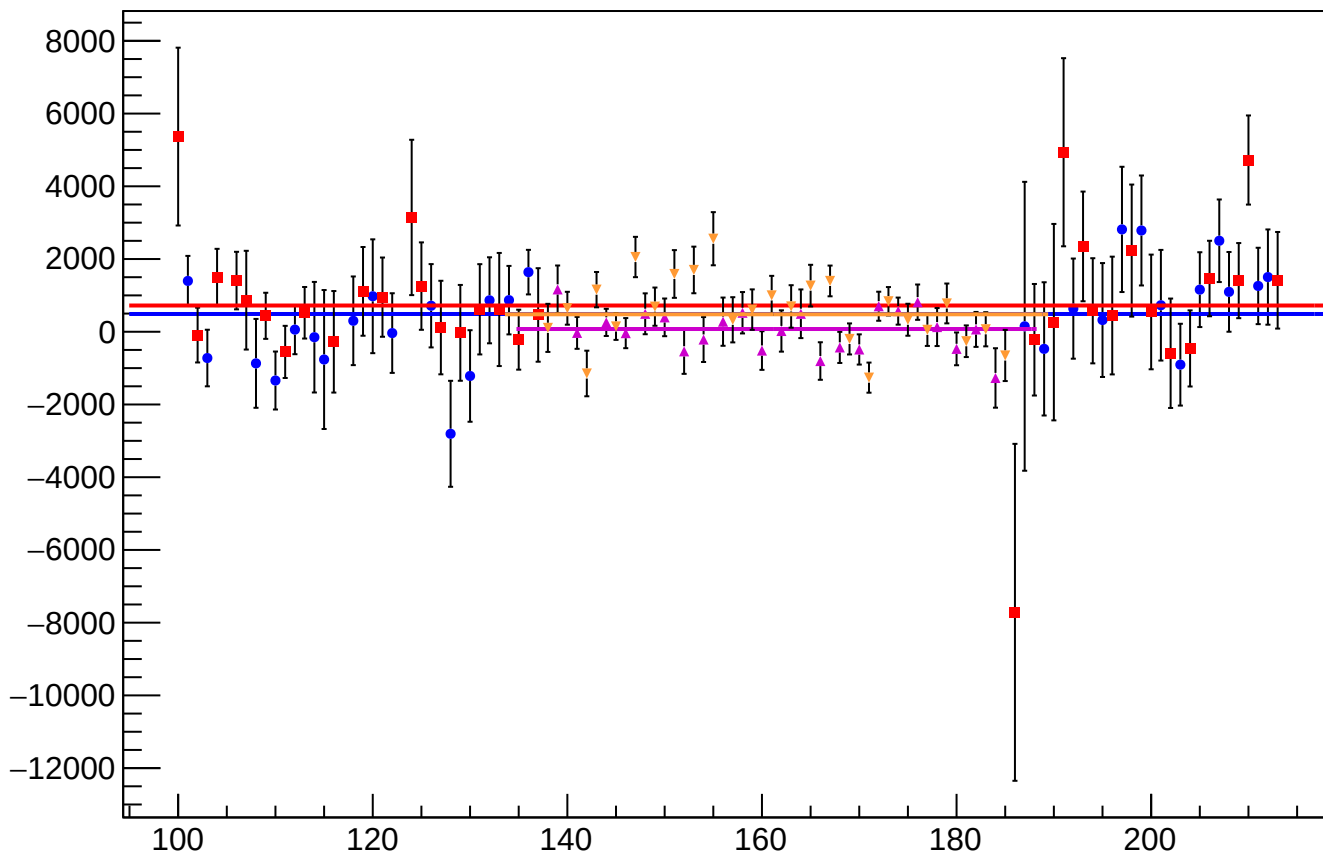
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 52.760 $\pm$ 0.006 χ^2 /NDF: 2938299.7/53

All: 53.296 $\pm$ 0.005 χ^2 /NDF: 6519960.8/110

- sign 53.851 $\pm$ 0.006 χ^2 /NDF: 3566978.7/56

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 488.531 $\pm$ 201.944 χ^2 /NDF: 33.8/28

Left Out: 480.215 $\pm$ 100.526 χ^2 /NDF:69.2/24

Right Out: 721.858 $\pm$ 193.960 χ^2 /NDF: 36.2/33

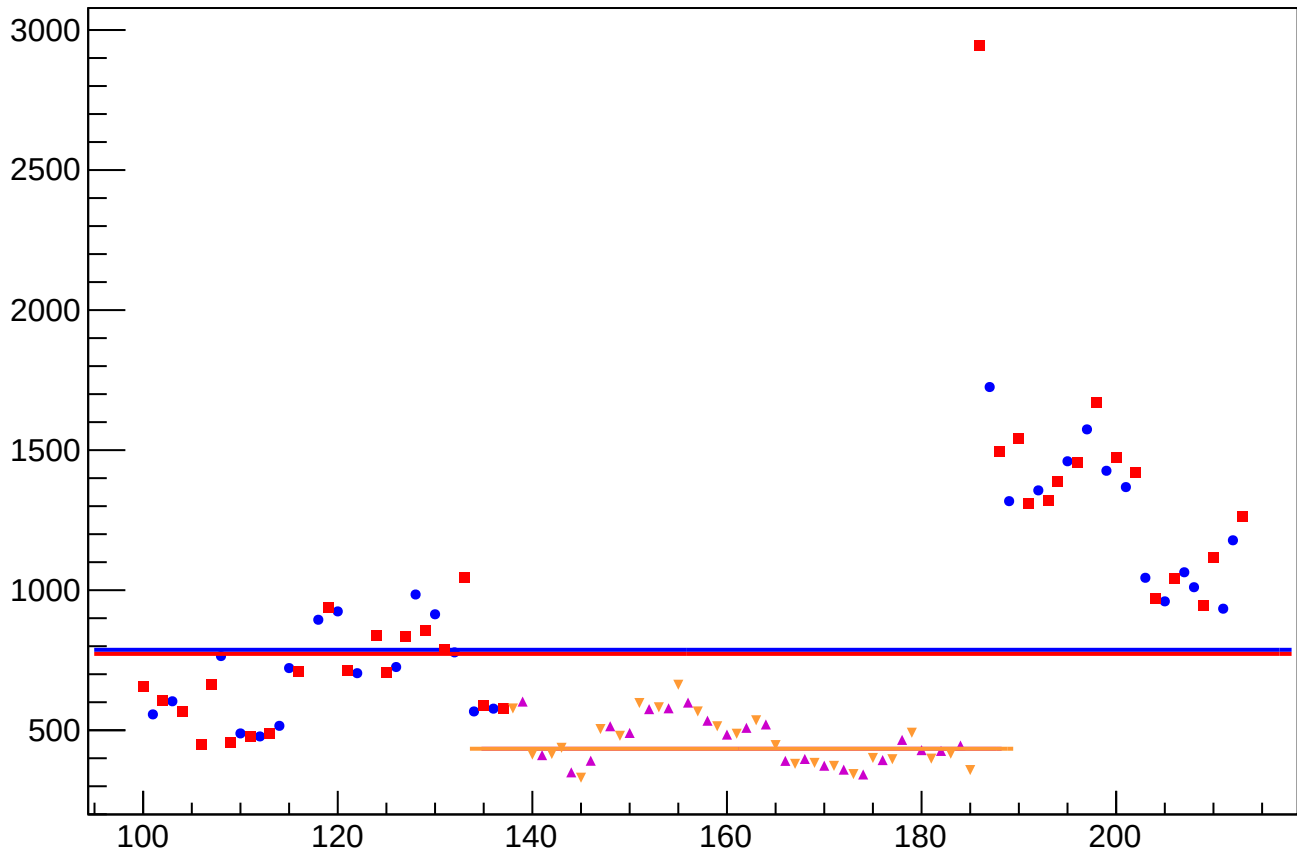
Left In: 75.662 $\pm$ 103.128 χ^2 /NDF:24.5/22

+ sign 481.867 $\pm$ 89.992 χ^2 /NDF: 103.0/53

All: 351.525 $\pm$ 64.007 χ^2 /NDF: 176.6/110

- sign 218.081 $\pm$ 91.057 χ^2 /NDF: 69.3/56

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 787.167 $\pm$ 0.143 χ^2 /NDF: 4189114.5/28

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF: 1243704.6/24

Right Out: 772.586 $\pm$ 0.137 χ^2 /NDF: 6082802.9/33

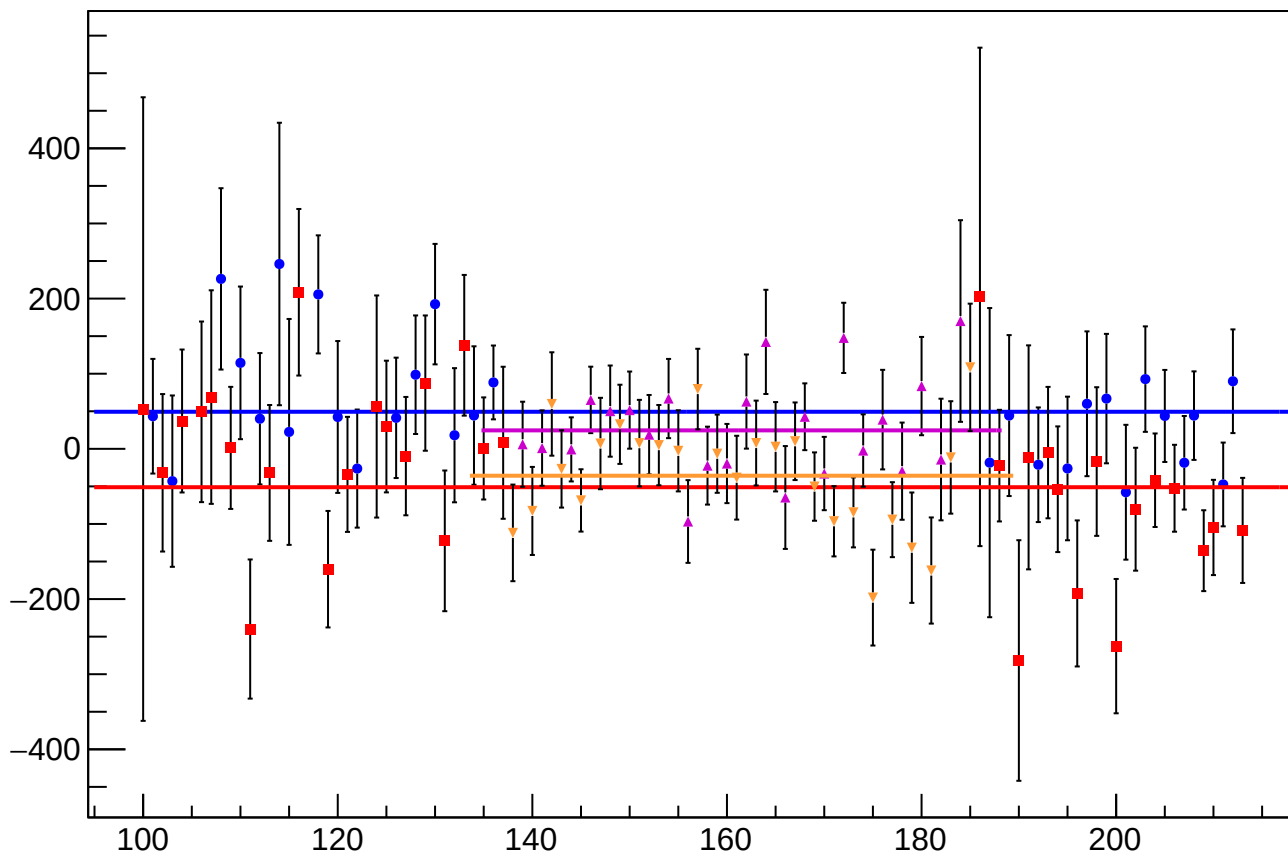
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF: 1094788.8/22

+ sign 504.090 $\pm$ 0.064 χ^2 /NDF: 10336471.0/53

All: 506.222 $\pm$ 0.045 χ^2 /NDF: 22275472.8/11

- sign 508.406 $\pm$ 0.064 χ^2 /NDF: 11936728.9/56

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 49.343 ± 14.950 χ^2/NDF : 21.6/28

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -51.090 ± 14.869 χ^2/NDF : 39.1/33

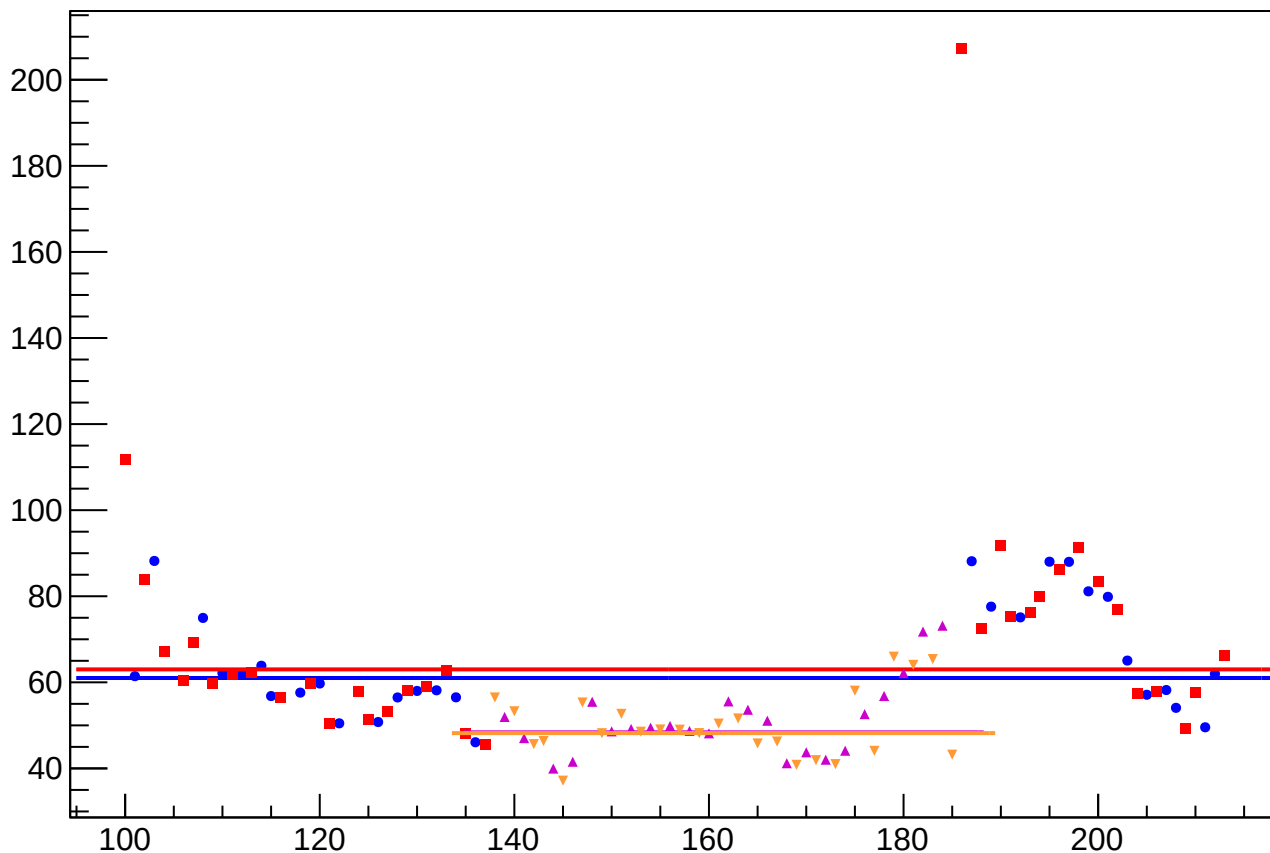
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -5.471 ± 8.922 χ^2/NDF : 76.2/53

All: -4.580 ± 6.365 χ^2/NDF : 157.2/110

- sign -3.657 ± 9.082 χ^2/NDF : 81.0/56

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.008 $\pm$ 0.011 χ^2 /NDF: 1212737.8/28

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 63.007 $\pm$ 0.011 χ^2 /NDF: 1653925.1/33

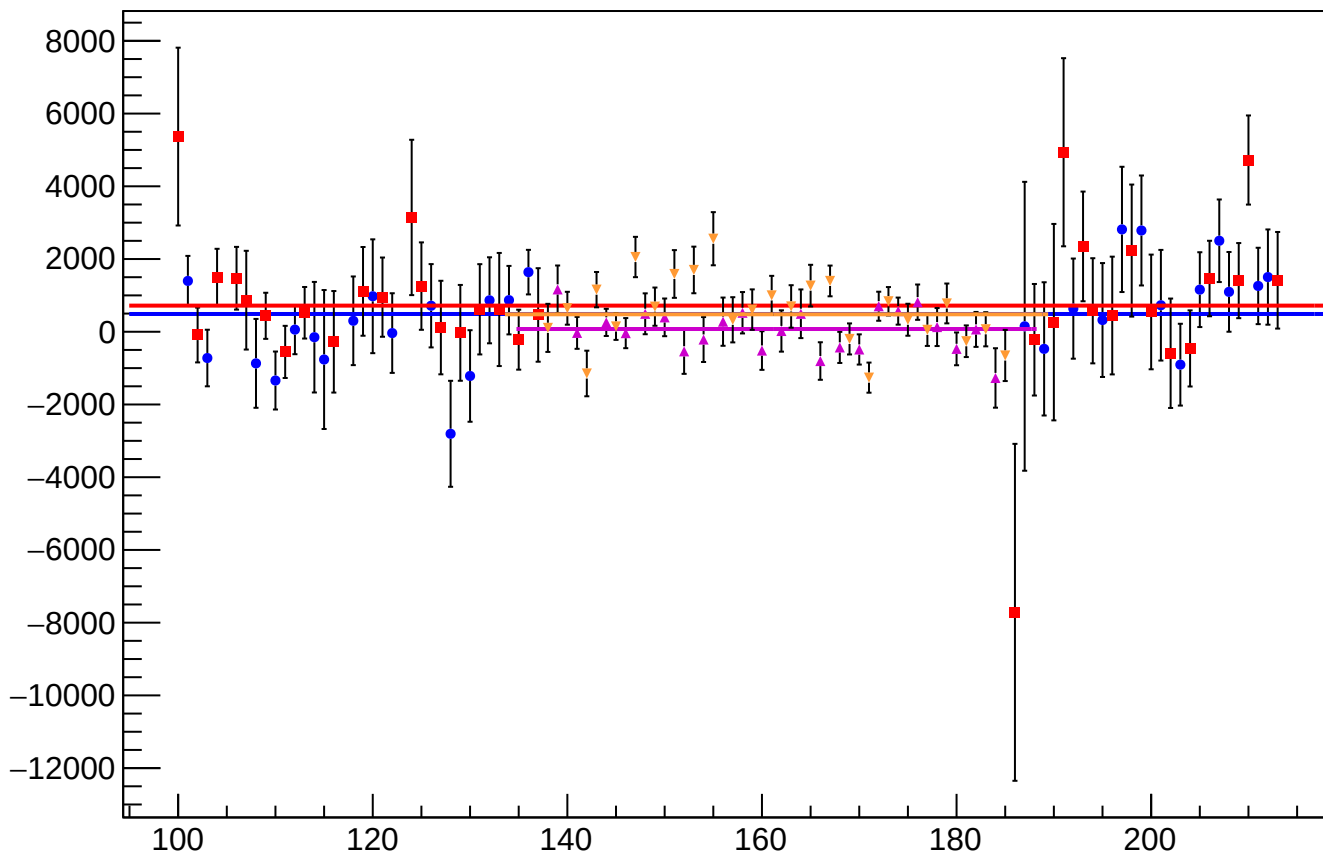
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 52.760 $\pm$ 0.006 χ^2 /NDF: 2938303.6/53

All: 53.290 $\pm$ 0.005 χ^2 /NDF: 6515180.0/110

- sign 53.838 $\pm$ 0.006 χ^2 /NDF: 3562554.9/56

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 488.560 $\pm$ 201.945 χ^2 /NDF: 33.8/28

Left Out: 480.210 $\pm$ 100.526 χ^2 /NDF:69.2/24

Right Out: 718.746 $\pm$ 194.898 χ^2 /NDF: 36.2/33

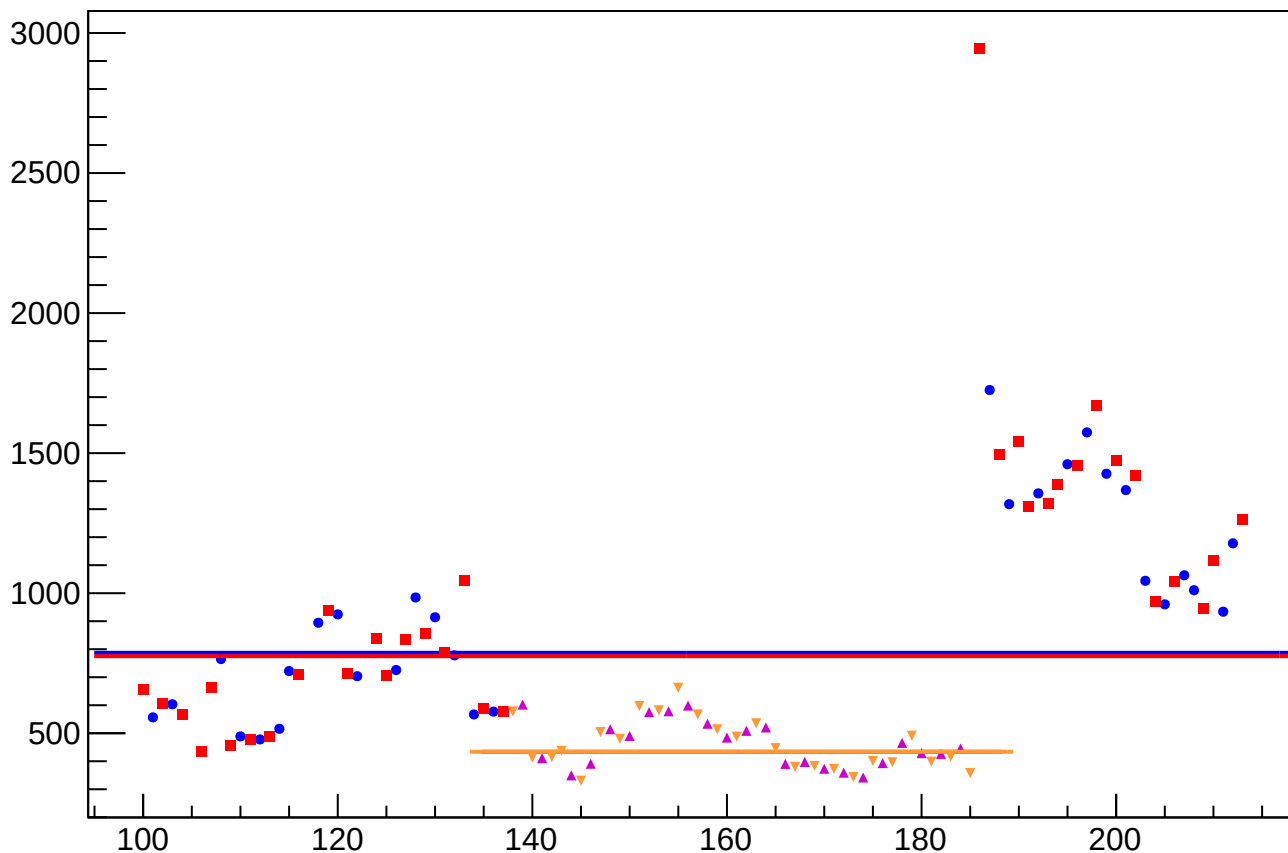
Left In: 75.665 $\pm$ 103.128 χ^2 /NDF:24.5/22

+ sign 481.869 $\pm$ 89.992 χ^2 /NDF: 103.0/53

All: 350.804 $\pm$ 64.041 χ^2 /NDF: 176.5/110

- sign 216.335 $\pm$ 91.154 χ^2 /NDF: 69.2/56

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 787.172 $\pm$ 0.143 χ^2 /NDF: 4189042.9/28

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243702.1/24

Right Out: 775.070 $\pm$ 0.138 χ^2 /NDF: 6052039.8/33

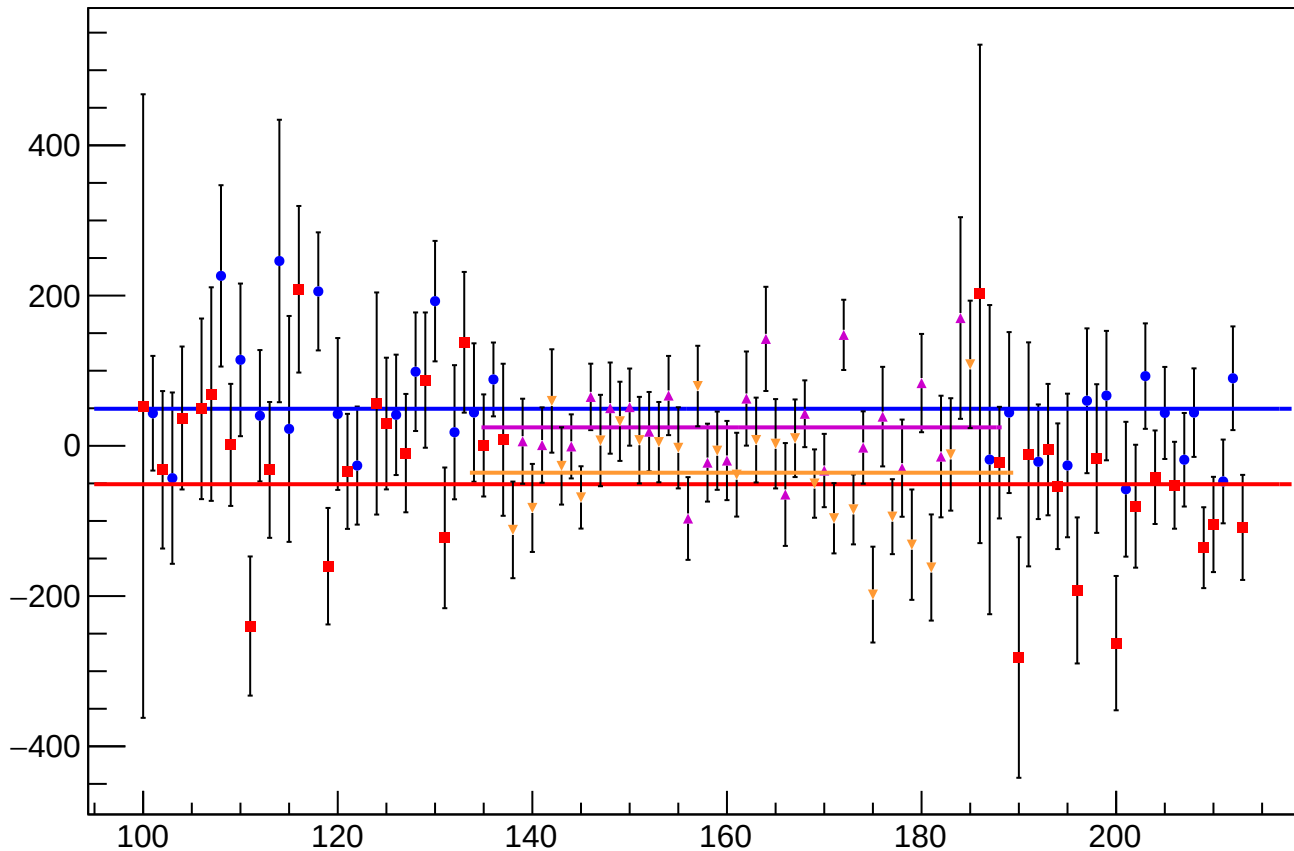
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.4/22

+ sign 504.090 $\pm$ 0.064 χ^2 /NDF: 10336494.6/53

All: 506.212 $\pm$ 0.045 χ^2 /NDF: 22278556.2/11

- sign 508.390 $\pm$ 0.064 χ^2 /NDF: 11939808.6/56

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 49.343 ± 14.950 χ^2/NDF : 21.6/28

Left Out: -35.792 ± 11.119 χ^2/NDF : 33.7/24

Right Out: -51.090 ± 14.869 χ^2/NDF : 39.1/33

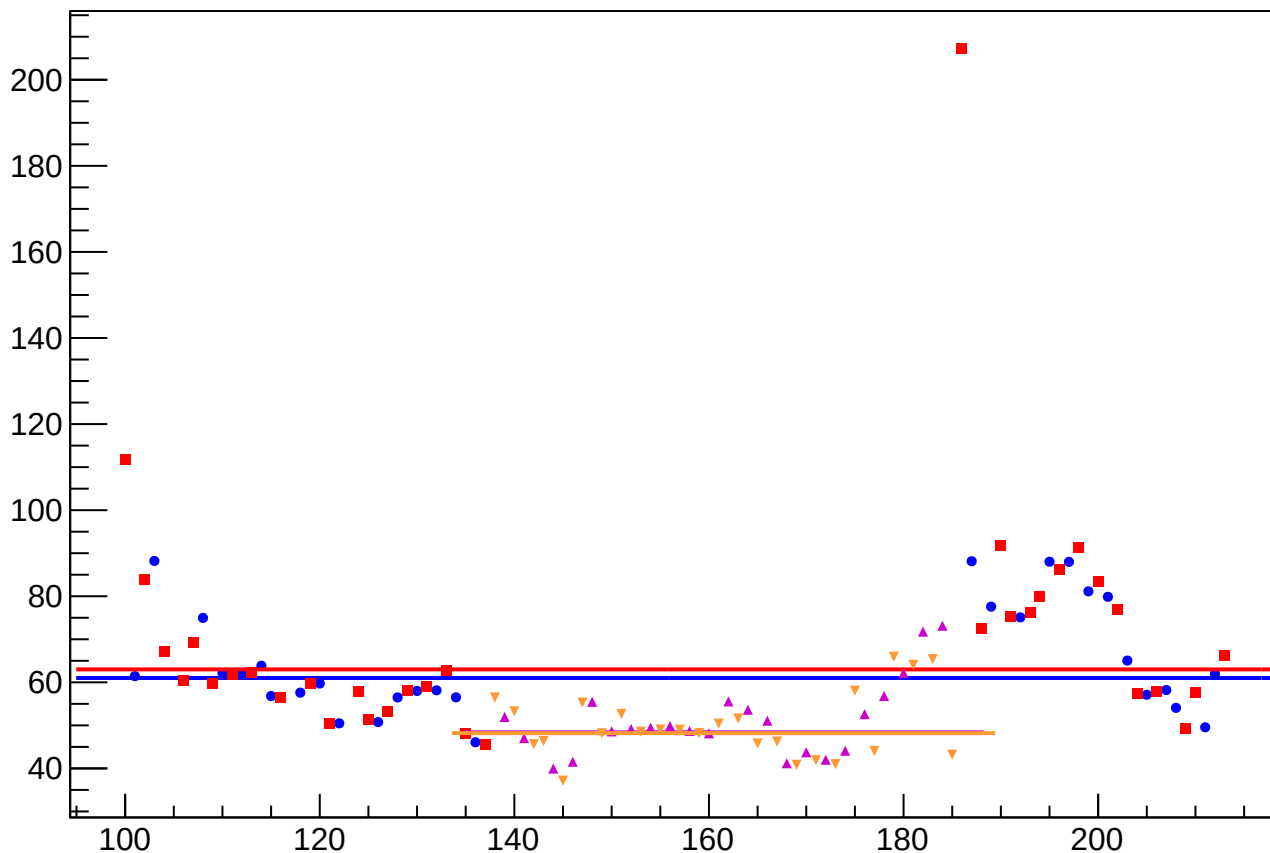
Left In: 24.573 ± 11.471 χ^2/NDF : 25.7/22

+ sign -5.471 ± 8.922 χ^2/NDF : 76.2/53

All: -4.580 ± 6.365 χ^2/NDF : 157.2/110

- sign -3.657 ± 9.082 χ^2/NDF : 81.0/56

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.008 $\pm$ 0.011 χ^2 /NDF: 1212737.8/28

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 63.007 $\pm$ 0.011 χ^2 /NDF: 1653925.1/33

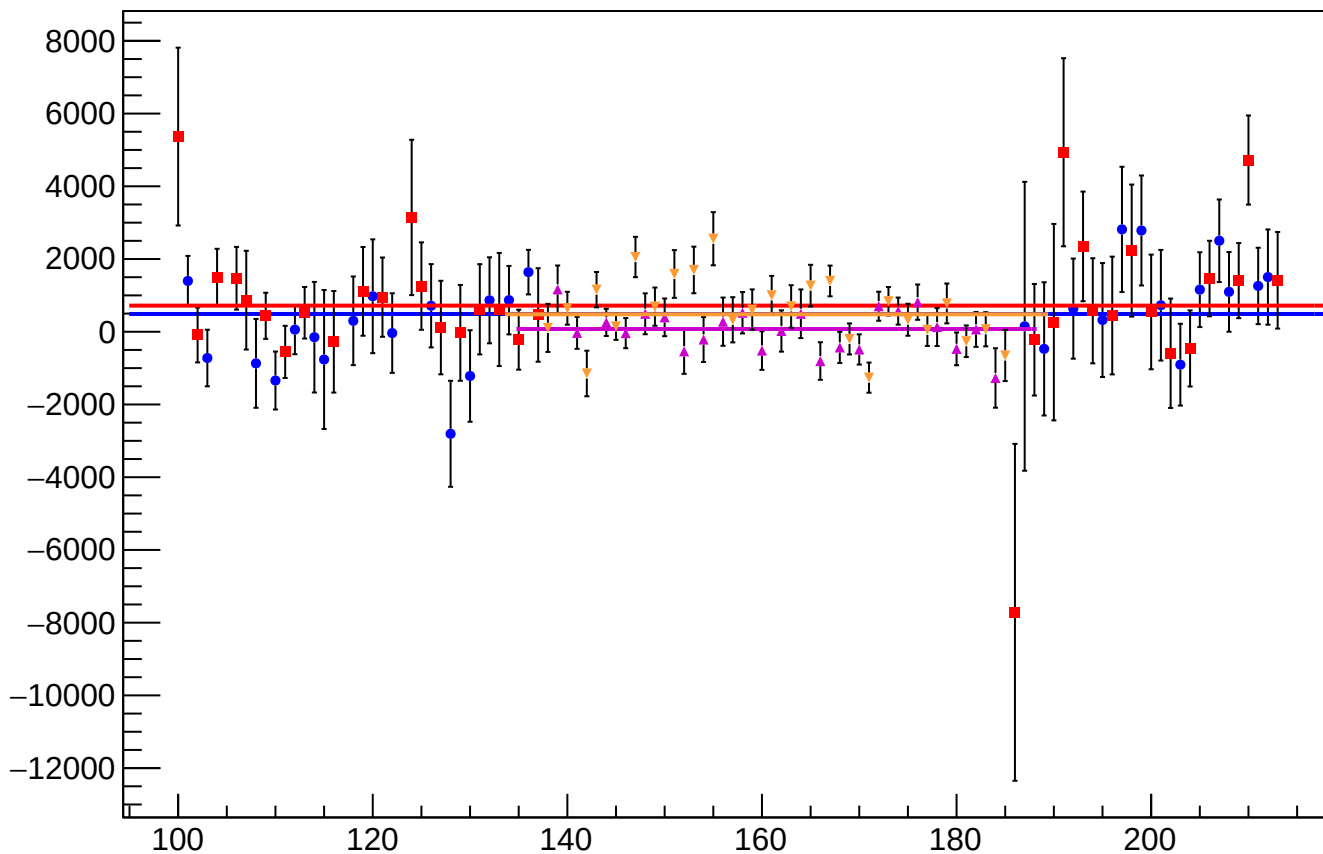
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 52.760 $\pm$ 0.006 χ^2 /NDF: 2938303.6/53

All: 53.290 $\pm$ 0.005 χ^2 /NDF: 6515180.0/110

- sign 53.838 $\pm$ 0.006 χ^2 /NDF: 3562554.9/56

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 488.560 $\pm$ 201.945 χ^2 /NDF: 33.8/28

Left Out: 480.210 $\pm$ 100.526 χ^2 /NDF:69.2/24

Right Out: 718.746 $\pm$ 194.898 χ^2 /NDF: 36.2/33

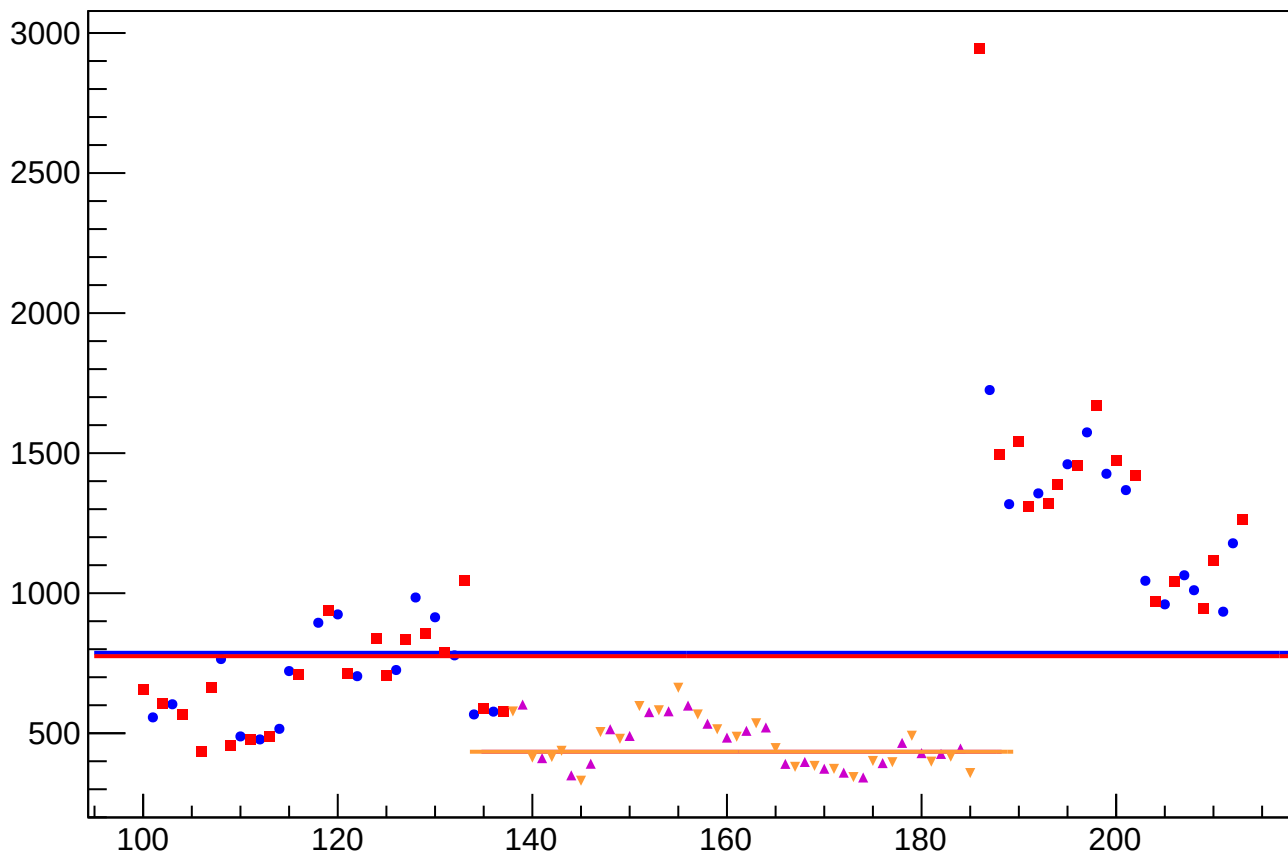
Left In: 75.665 $\pm$ 103.128 χ^2 /NDF:24.5/22

+ sign 481.869 $\pm$ 89.992 χ^2 /NDF: 103.0/53

All: 350.804 $\pm$ 64.041 χ^2 /NDF: 176.5/110

- sign 216.335 $\pm$ 91.154 χ^2 /NDF: 69.2/56

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 787.172 $\pm$ 0.143 χ^2 /NDF: 4189042.9/28

Left Out: 433.945 $\pm$ 0.071 χ^2 /NDF:1243702.1/24

Right Out: 775.070 $\pm$ 0.138 χ^2 /NDF: 6052039.8/33

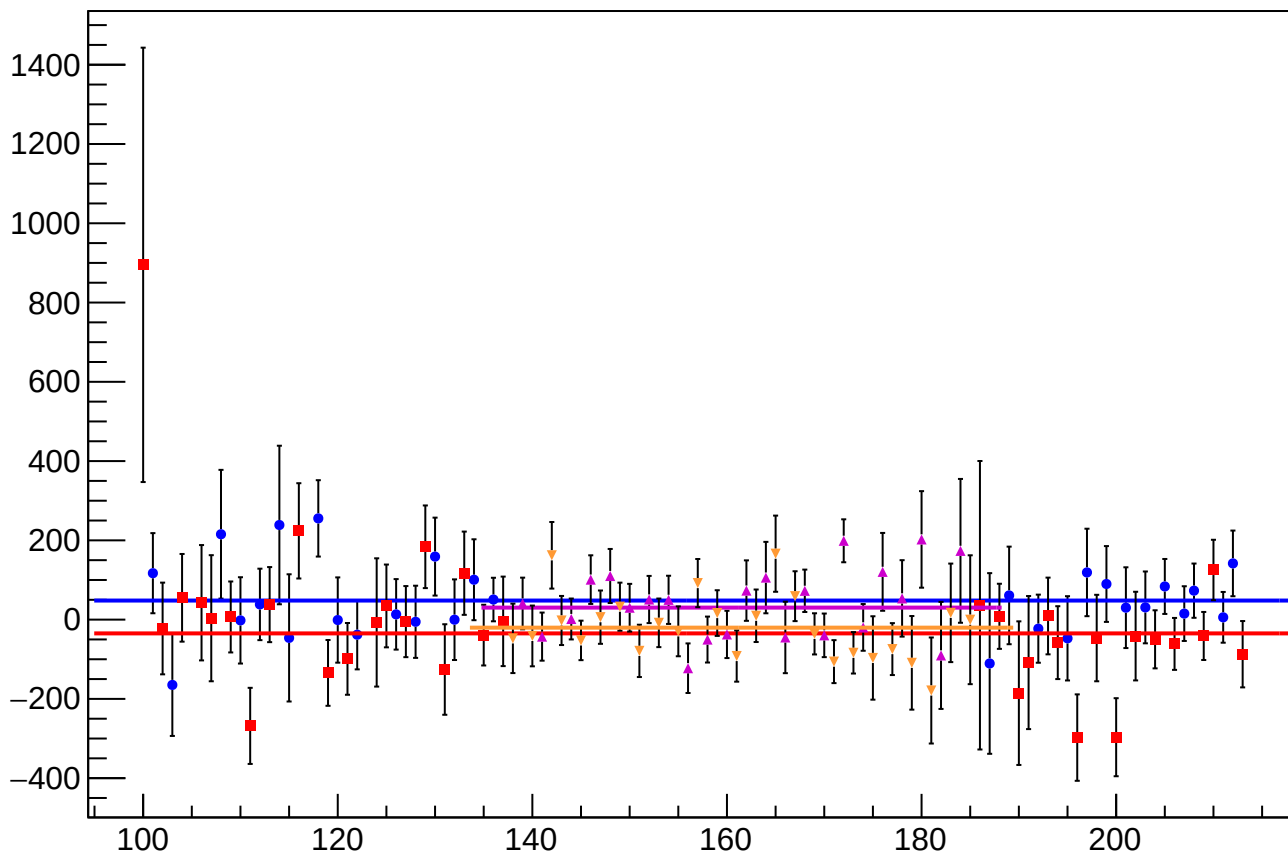
Left In: 433.722 $\pm$ 0.073 χ^2 /NDF:1094788.4/22

+ sign 504.090 $\pm$ 0.064 χ^2 /NDF: 10336494.6/53

All: 506.212 $\pm$ 0.045 χ^2 /NDF: 22278556.2/11

- sign 508.390 $\pm$ 0.064 χ^2 /NDF: 11939808.6/56

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 48.122 ± 17.133 χ^2/NDF : 18.8/28

Left Out: -20.270 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -34.747 ± 16.916 χ^2/NDF : 44.3/33

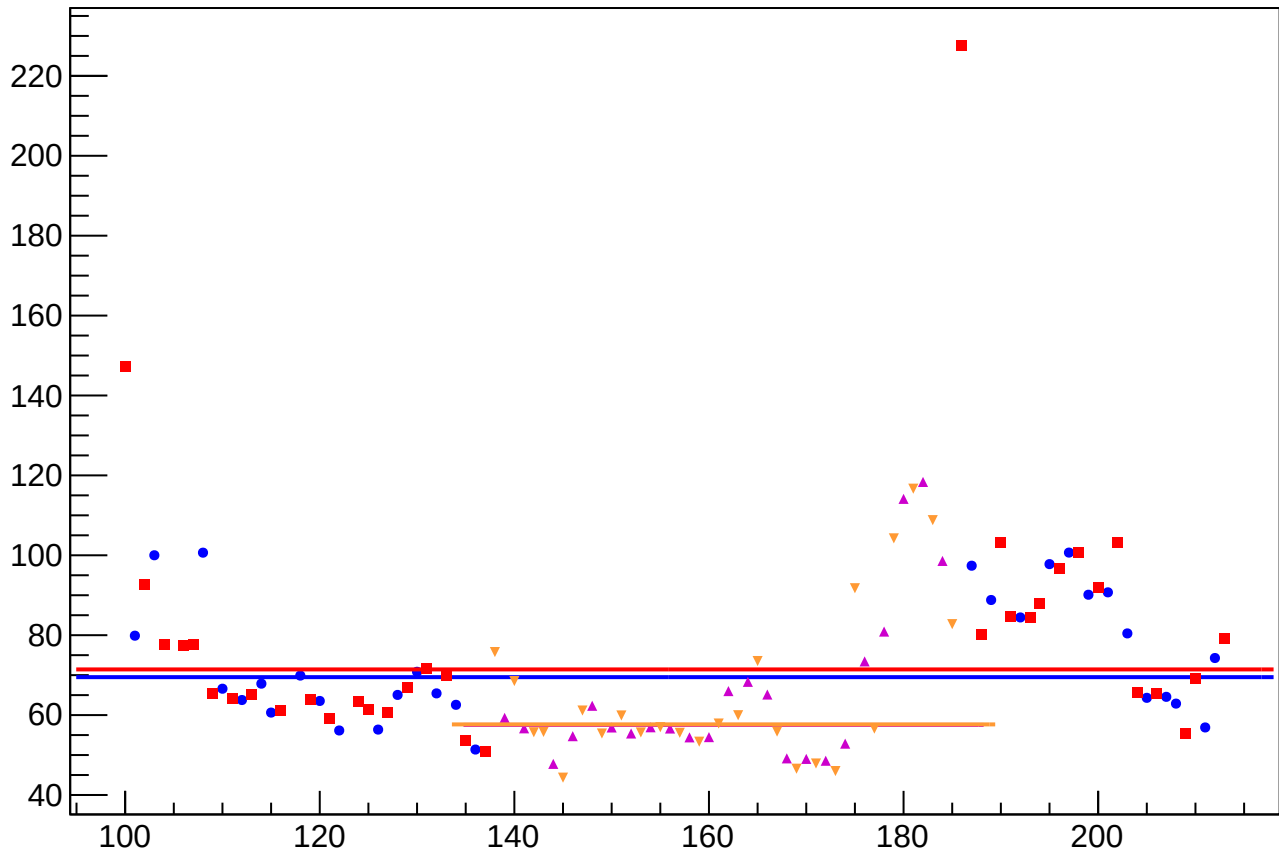
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign 6.254 ± 10.669 χ^2/NDF : 53.7/53

All: 5.096 ± 7.582 χ^2/NDF : 139.5/110

- sign 3.916 ± 10.776 χ^2/NDF : 85.7/56

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.497 $\pm$ 0.012 χ^2 /NDF: 1328595.4/28

Left Out: 57.668 $\pm$ 0.010 χ^2 /NDF: 1909743.5/24

Right Out: 71.433 $\pm$ 0.012 χ^2 /NDF: 1697739.4/33

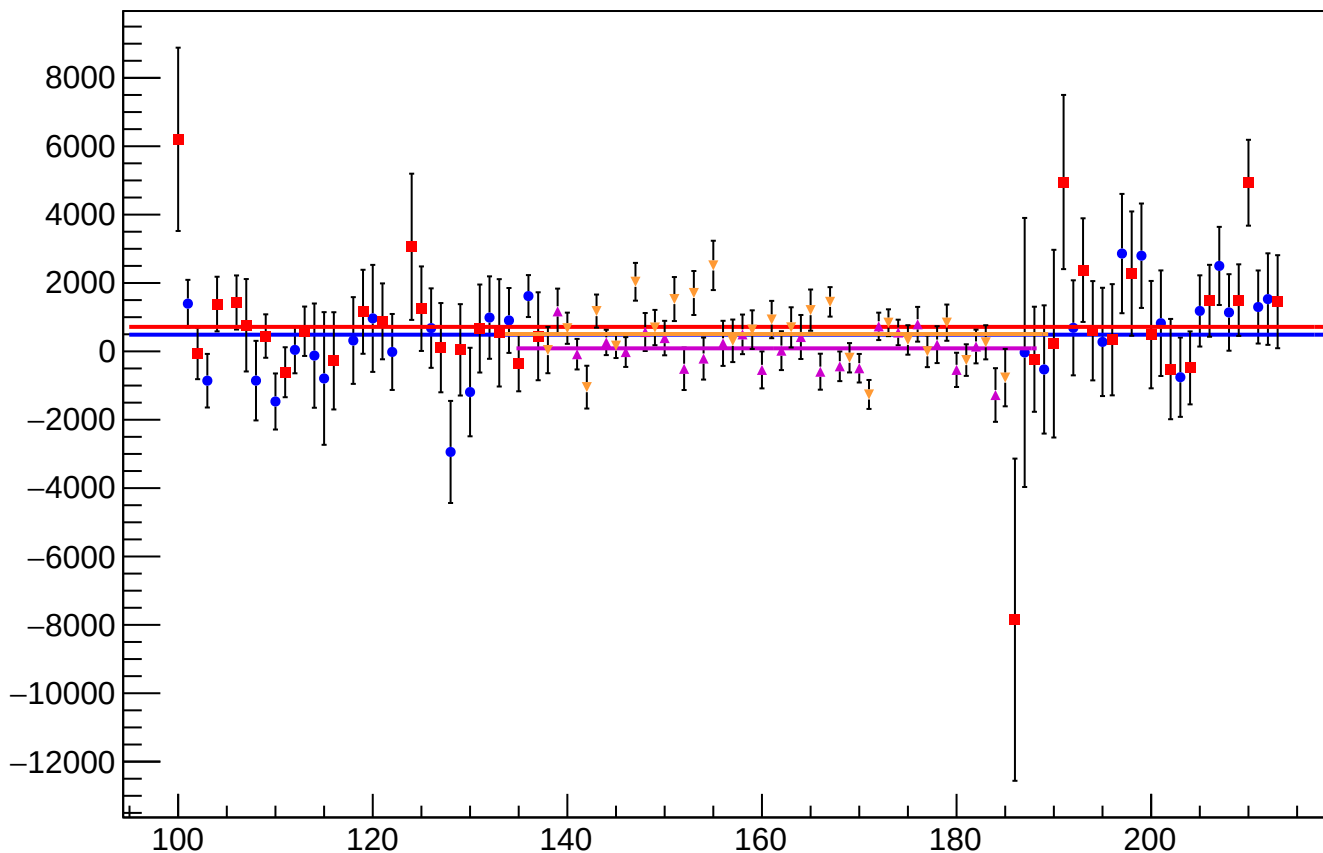
Left In: 57.539 $\pm$ 0.010 χ^2 /NDF: 1443279.4/22

+ sign 62.256 $\pm$ 0.008 χ^2 /NDF: 3821983.5/53

All: 62.712 $\pm$ 0.005 χ^2 /NDF: 7772034.8/110

- sign 63.177 $\pm$ 0.008 χ^2 /NDF: 3942668.1/56

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 487.880 $\pm$ 204.429 χ^2 /NDF: 34.5/28

Left Out: 507.171 $\pm$ 101.776 χ^2 /NDF:65.8/24

Right Out: 716.250 $\pm$ 195.961 χ^2 /NDF: 37.6/33

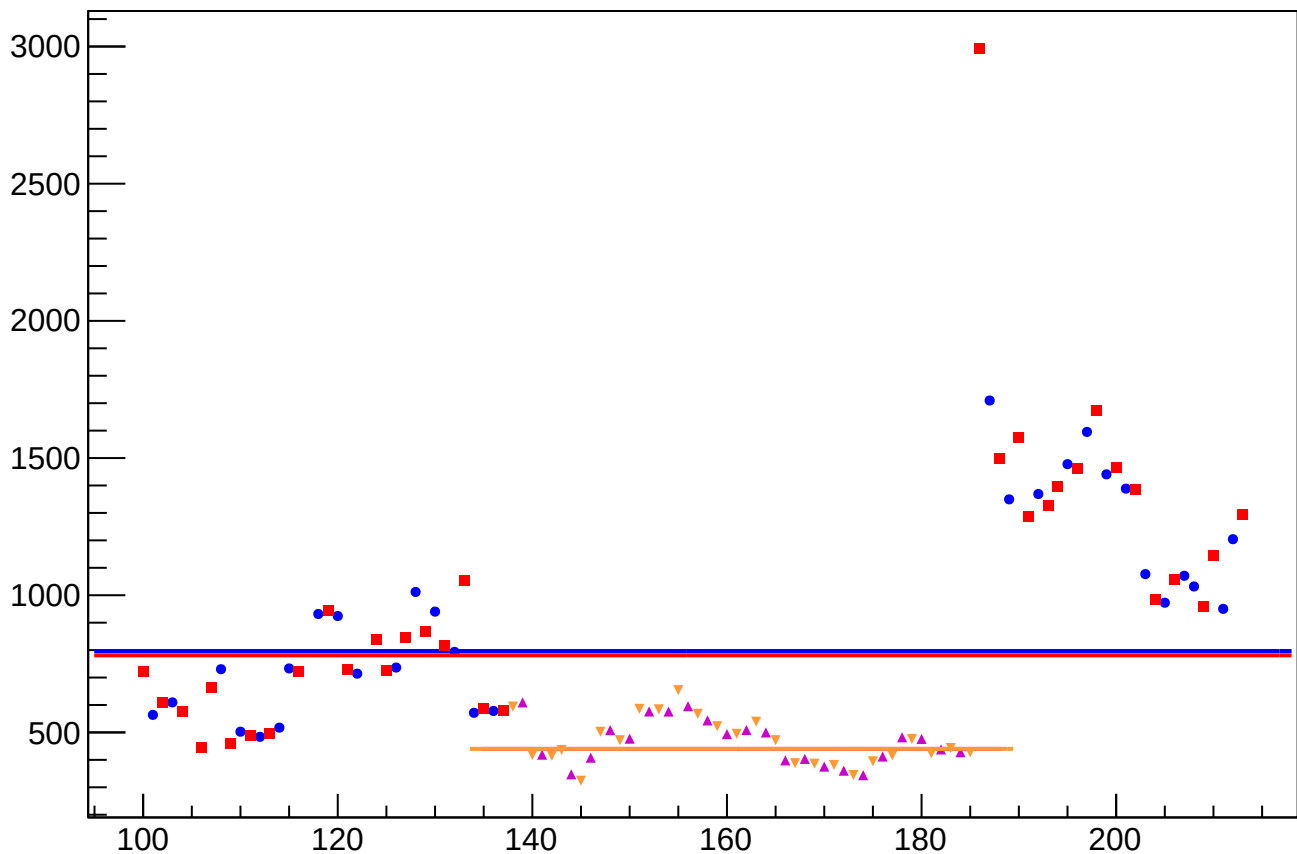
Left In: 88.471 $\pm$ 104.542 χ^2 /NDF:23.3/22

+ sign 503.339 $\pm$ 91.109 χ^2 /NDF: 100.3/53

All: 367.143 $\pm$ 64.819 χ^2 /NDF: 173.7/110

- sign 227.555 $\pm$ 92.237 χ^2 /NDF: 68.9/56

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 796.678 ± 0.145 $\chi^2/\text{NDF}: 4235437.4/28$

Left Out: 440.075 ± 0.072 $\chi^2/\text{NDF}: 1196985.5/24$

Right Out: 780.958 ± 0.139 $\chi^2/\text{NDF}: 6059153.8/33$

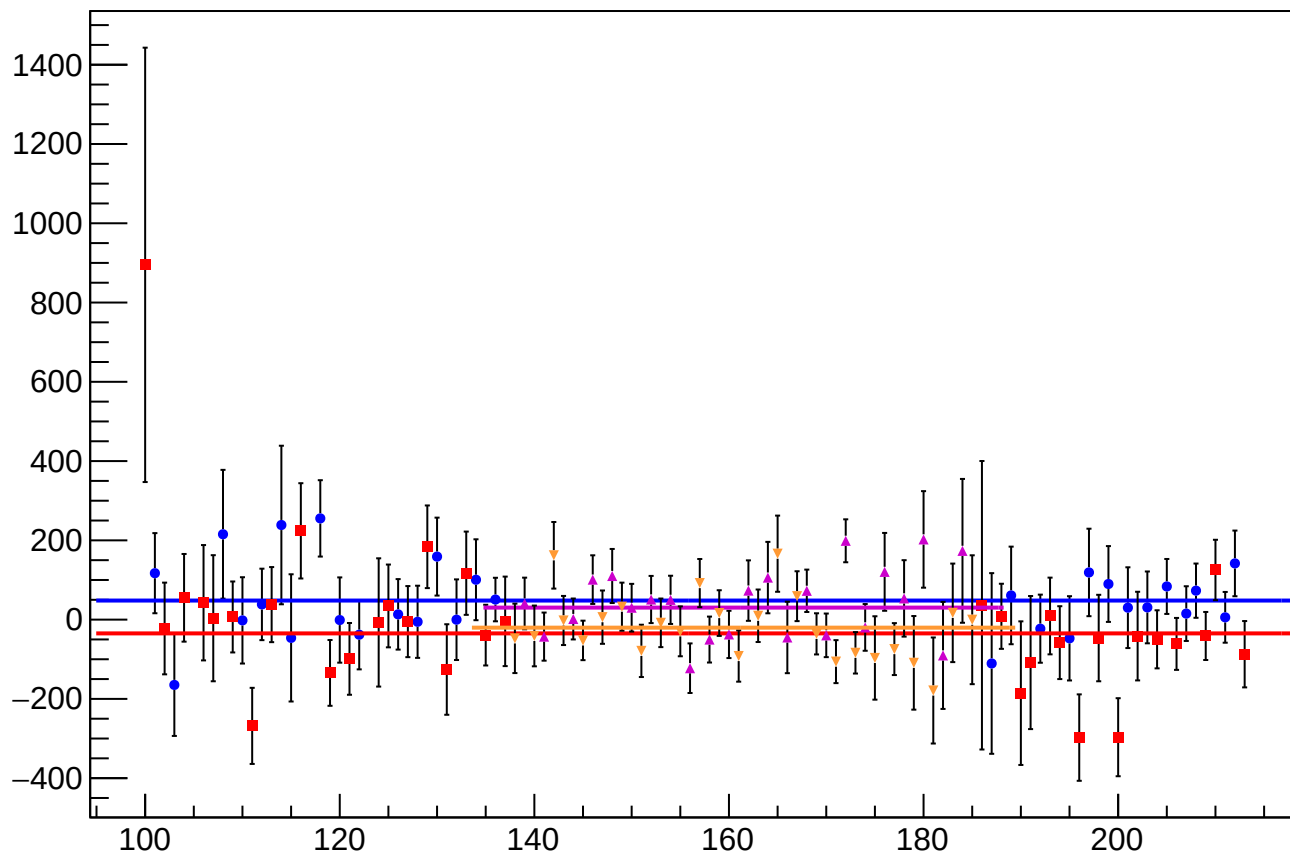
Left In: 439.877 ± 0.074 $\chi^2/\text{NDF}: 1061910.1/22$

+ sign 510.907 ± 0.064 $\chi^2/\text{NDF}: 10309382.6/53$

All: 513.147 ± 0.046 $\chi^2/\text{NDF}: 22149579.1/11$

- sign 515.443 ± 0.065 $\chi^2/\text{NDF}: 11837747.9/56$

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 48.120 ± 17.133 χ^2/NDF : 18.8/28

Left Out: -20.271 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -34.748 ± 16.916 χ^2/NDF : 44.3/33

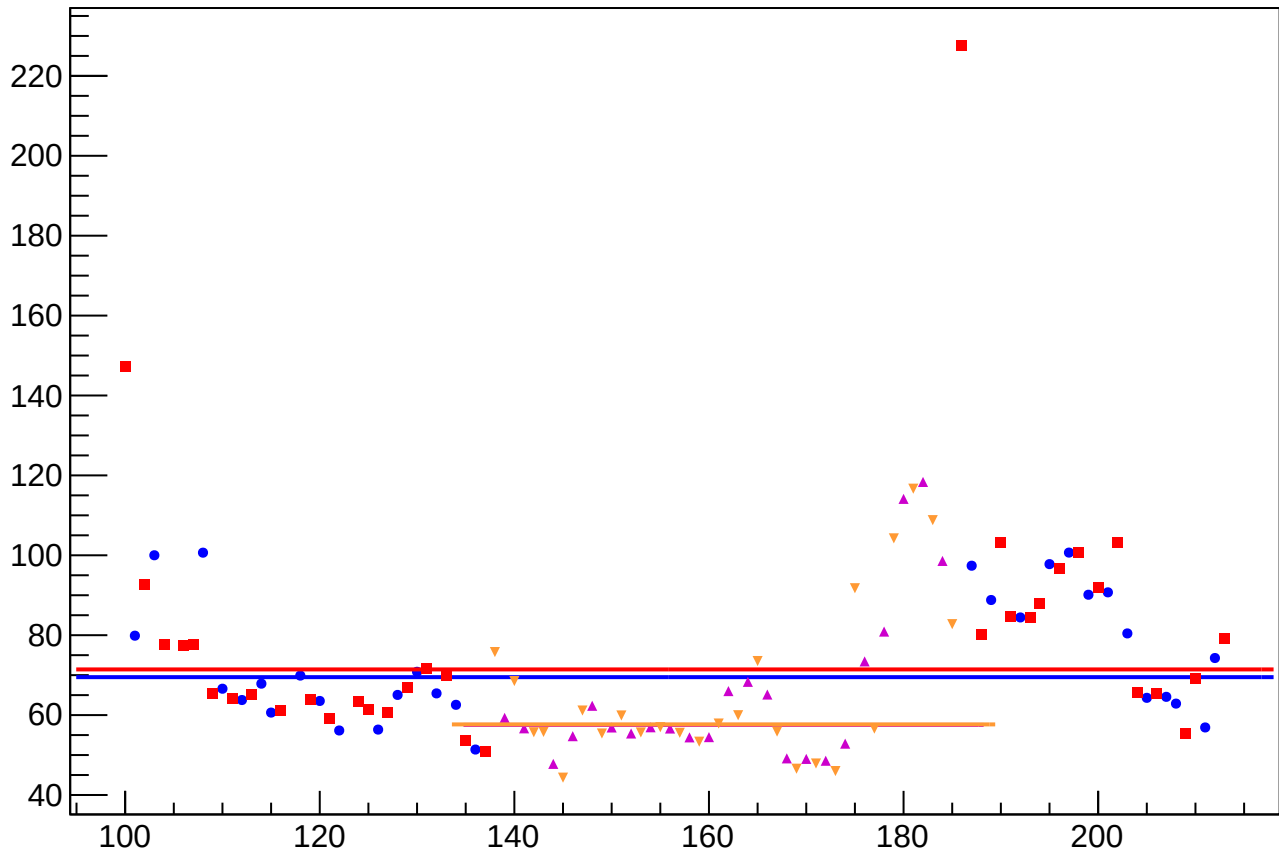
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign 6.253 ± 10.669 χ^2/NDF : 53.7/53

All: 5.096 ± 7.582 χ^2/NDF : 139.5/110

- sign 3.915 ± 10.776 χ^2/NDF : 85.7/56

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.497 ± 0.012 $\chi^2/\text{NDF}: 1328571.6/28$

Left Out: 57.668 ± 0.010 $\chi^2/\text{NDF}: 1909739.8/24$

Right Out: 71.433 ± 0.012 $\chi^2/\text{NDF}: 1697743.9/33$

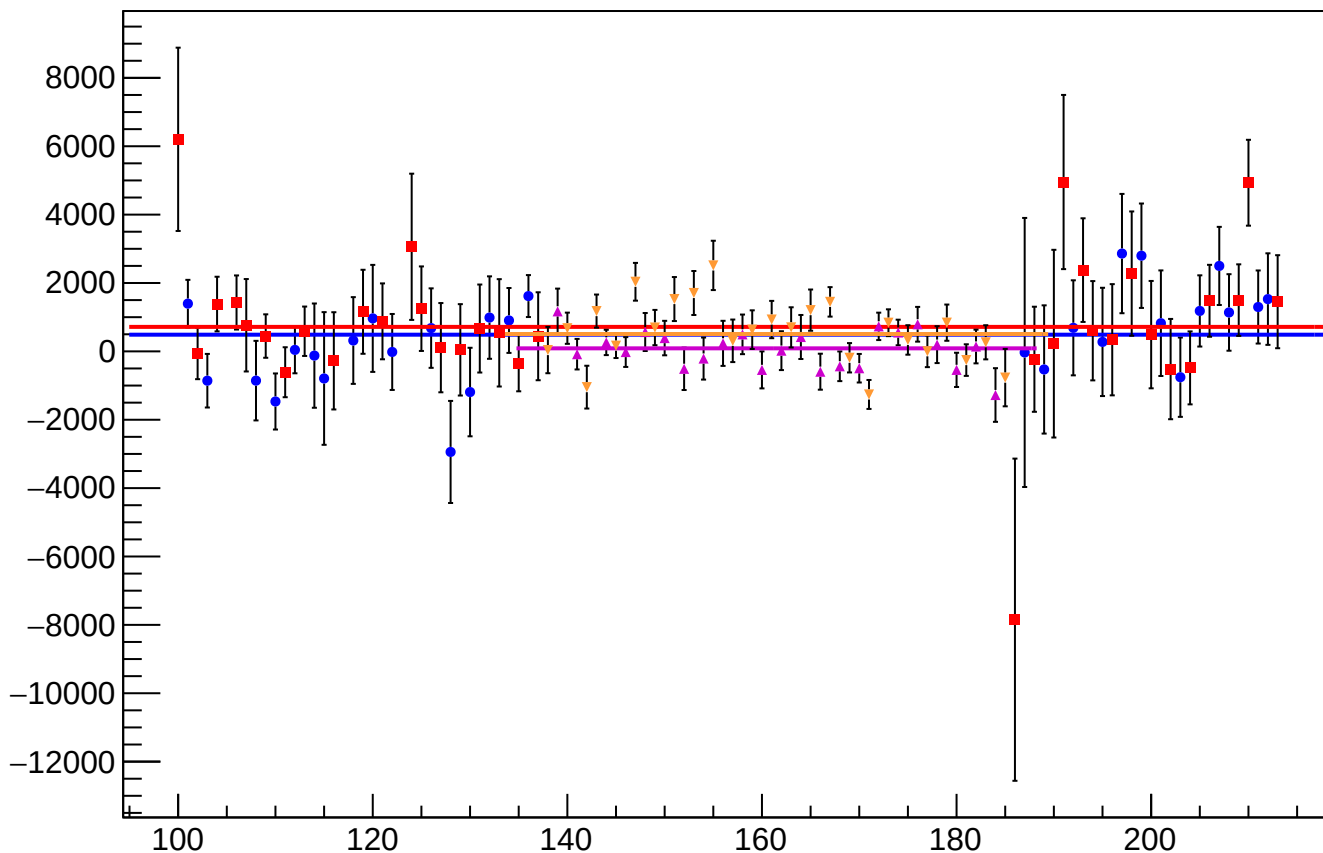
Left In: 57.539 ± 0.010 $\chi^2/\text{NDF}: 1443262.3/22$

+ sign 62.256 ± 0.008 $\chi^2/\text{NDF}: 3821943.8/53$

All: 62.712 ± 0.005 $\chi^2/\text{NDF}: 7771970.8/110$

- sign 63.177 ± 0.008 $\chi^2/\text{NDF}: 3942644.7/56$

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 487.879 ± 204.429 χ^2/NDF : 34.5/28

Left Out: 507.170 ± 101.776 χ^2/NDF : 65.8/24

Right Out: 716.248 ± 195.961 χ^2/NDF : 37.6/33

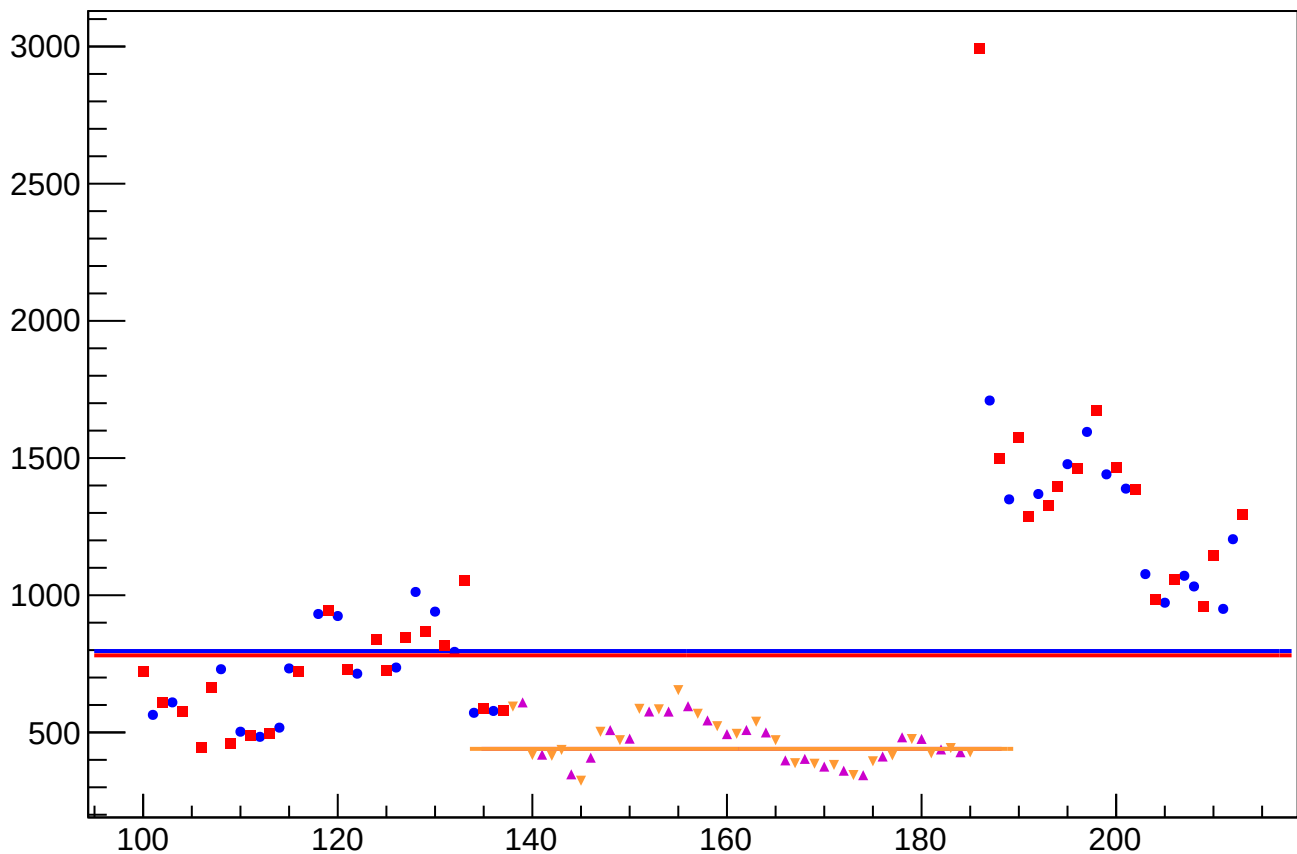
Left In: 88.471 ± 104.541 χ^2/NDF : 23.3/22

+ sign 503.338 ± 91.109 χ^2/NDF : 100.3/53

All: 367.142 ± 64.819 χ^2/NDF : 173.7/110

- sign 227.554 ± 92.237 χ^2/NDF : 68.9/56

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 796.677 $\pm$ 0.145 χ^2 /NDF: 4235444.1/28

Left Out: 440.074 $\pm$ 0.072 χ^2 /NDF: 1196993.4/24

Right Out: 780.957 $\pm$ 0.139 χ^2 /NDF: 6059159.2/33

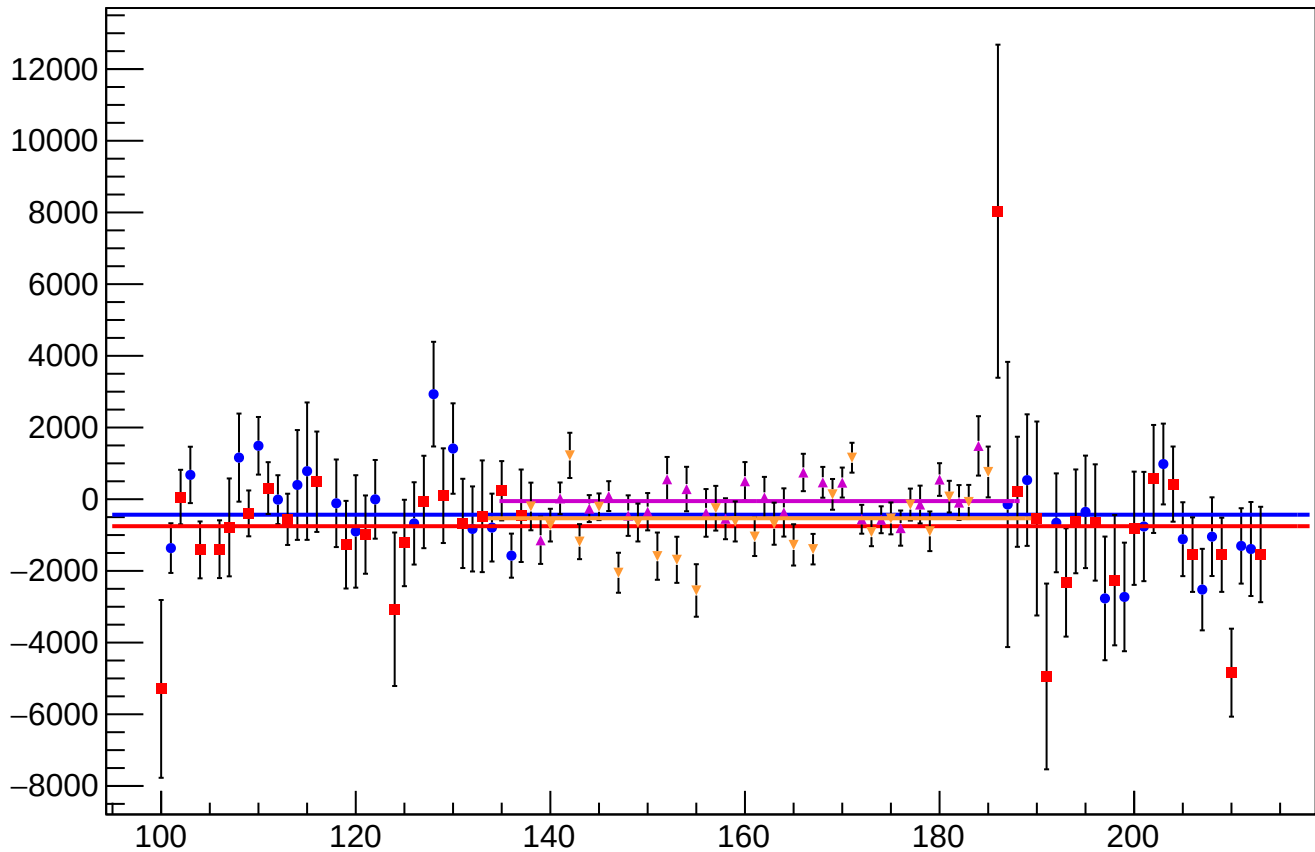
Left In: 439.876 $\pm$ 0.074 χ^2 /NDF: 1061916.6/22

+ sign 510.906 $\pm$ 0.064 χ^2 /NDF: 10309416.4/53

All: 513.146 $\pm$ 0.046 χ^2 /NDF: 22149647.2/11

- sign 515.442 $\pm$ 0.065 χ^2 /NDF: 11837782.3/56

asym_sam_15_48_dd_mean vs Slug



Right In: -432.540 ± 202.849 χ^2/NDF : 35.2/28

Left Out: -531.569 ± 101.245 χ^2/NDF : 65.6/24

Right Out: -752.961 ± 195.068 χ^2/NDF : 35.9/33

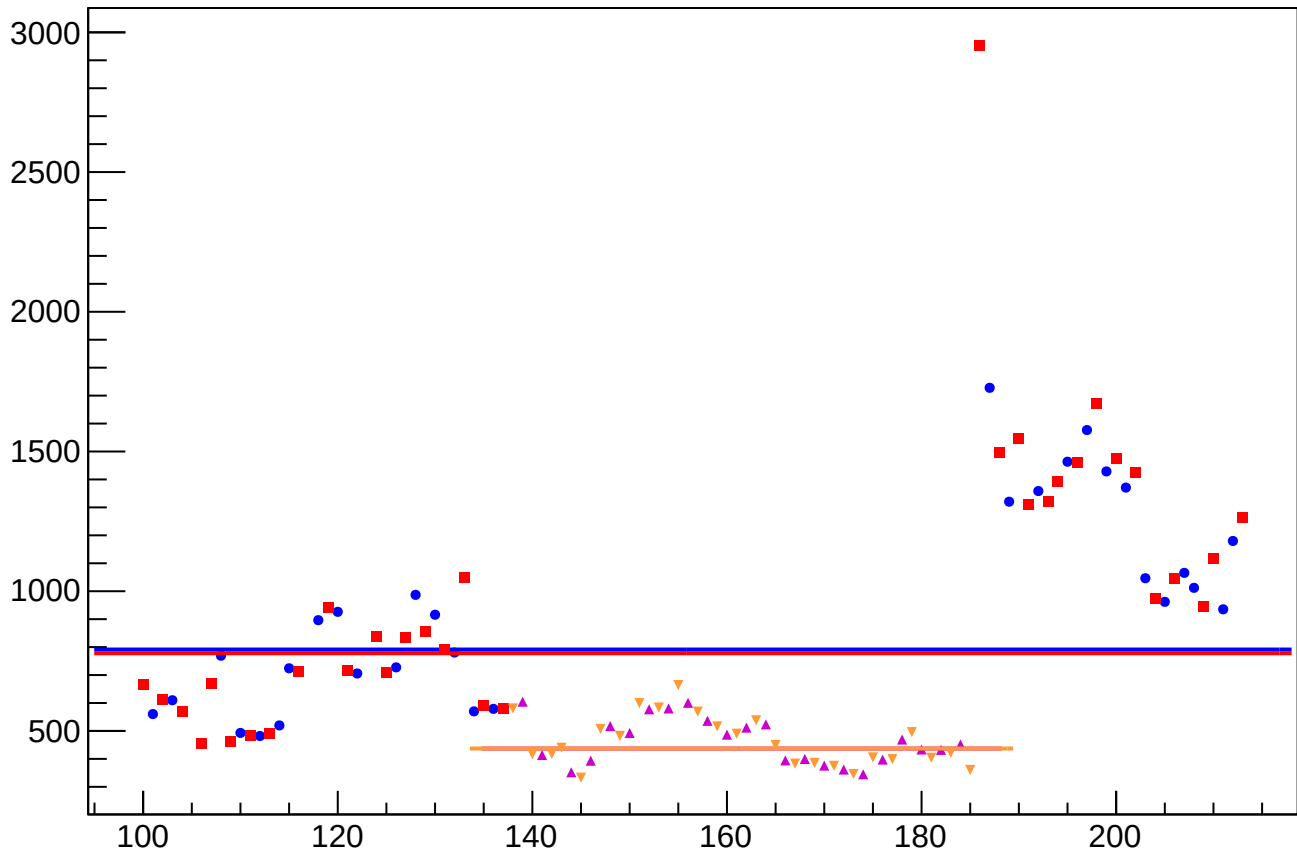
Left In: -52.554 ± 103.870 χ^2/NDF : 24.1/22

+ sign -511.819 ± 90.589 χ^2/NDF : 100.9/53

All: -361.375 ± 64.439 χ^2/NDF : 176.6/110

- sign -207.275 ± 91.682 χ^2/NDF : 70.0/56

asym_sam_15_48_dd_rms vs Slug



Right In: 791.342 $\pm$ 0.143 χ^2 /NDF: 4140737.0/28

Left Out: 437.157 $\pm$ 0.072 χ^2 /NDF:1227453.3/24

Right Out: 778.008 $\pm$ 0.138 χ^2 /NDF: 5999336.9/33

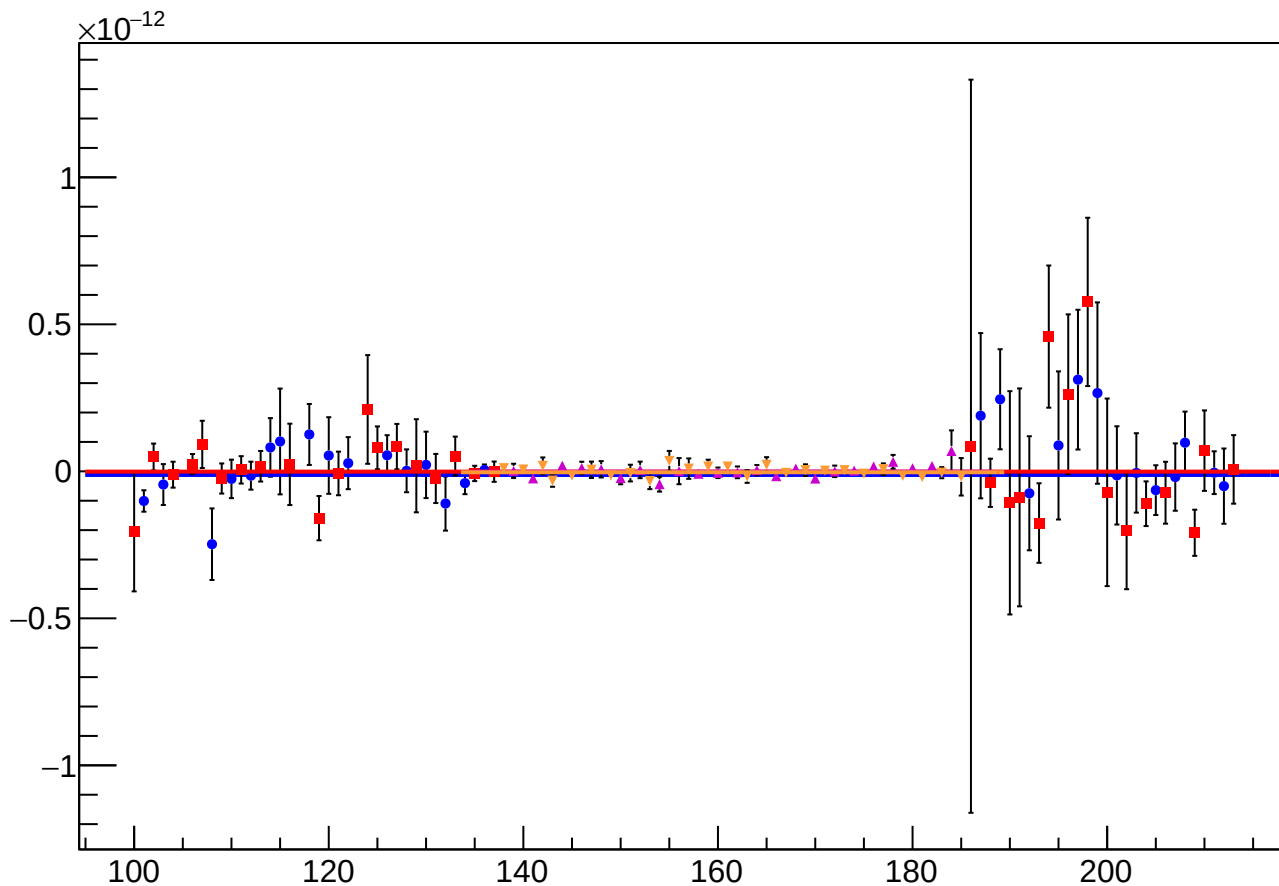
Left In: 436.937 $\pm$ 0.073 χ^2 /NDF:1080038.0/22

+ sign 507.793 $\pm$ 0.064 χ^2 /NDF: 10249546.7/53

All: 510.010 $\pm$ 0.046 χ^2 /NDF: 22094975.5/11

- sign 512.281 $\pm$ 0.065 χ^2 /NDF: 11843004.4/56

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 24.3/28

Left Out: -0.000+/-0.000 χ^2/NDF : 14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF : 35.0/33

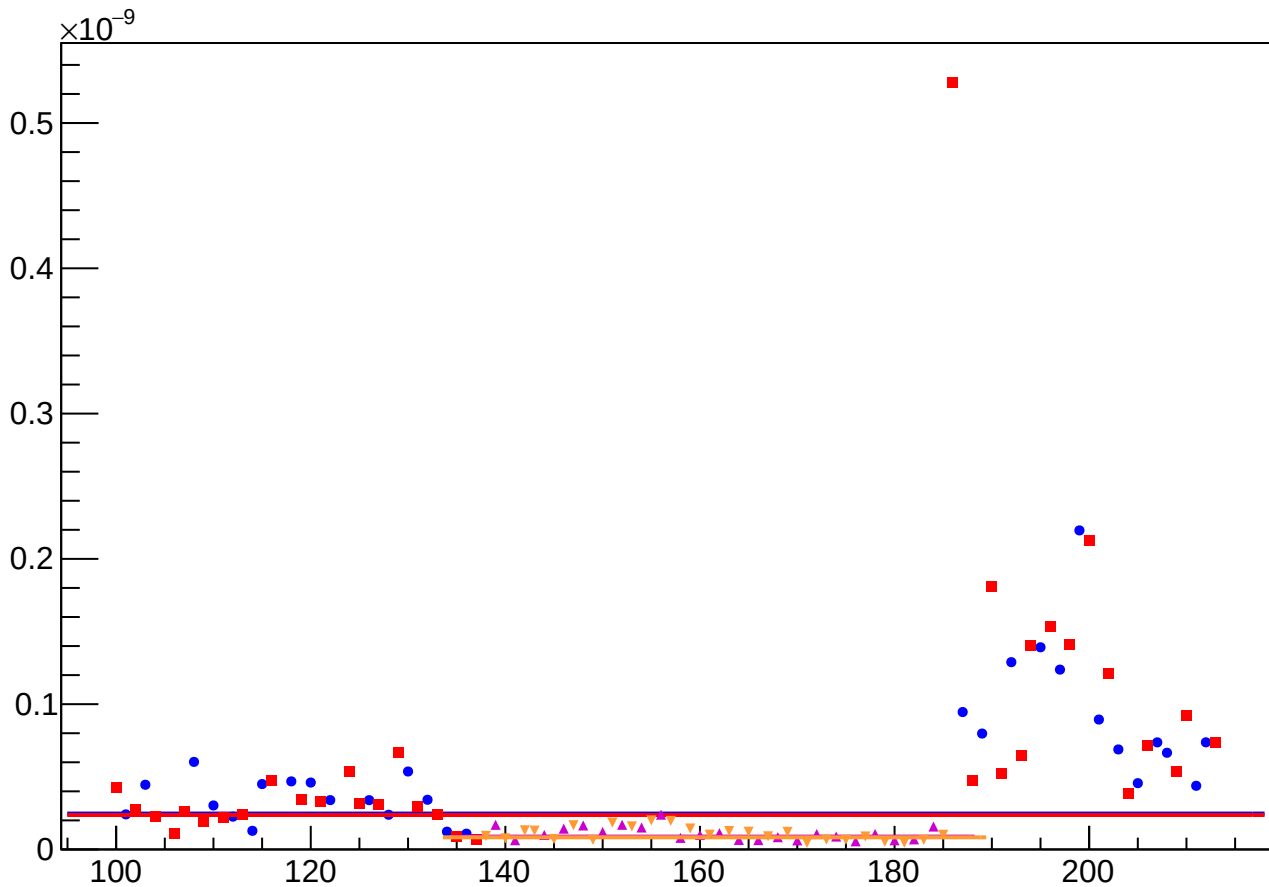
Left In: -0.000+/-0.000 χ^2/NDF : 22.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 39.1/53

All: -0.000+/-0.000 χ^2/NDF : 96.5/110

- sign -0.000+/-0.000 χ^2/NDF : 57.1/56

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6296414.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6945074.1/33

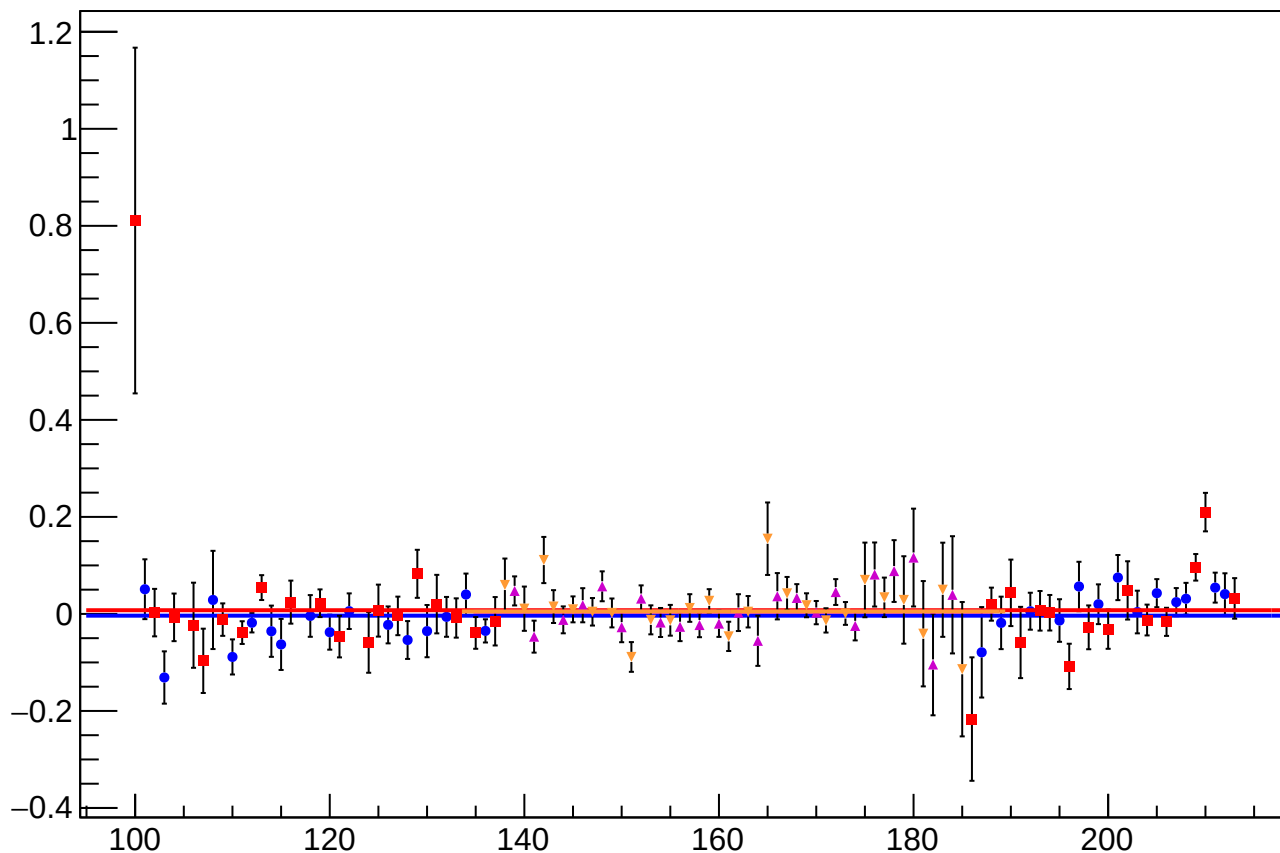
Left In: 0.000+/-0.000 χ^2/NDF : 1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 11984591.4/53

All: 0.000+/-0.000 χ^2/NDF : 23660265.2/110

- sign 0.000+/-0.000 χ^2/NDF : 11643303.8/56

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.007 χ^2/NDF : 34.8/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.008 ± 0.007 χ^2/NDF : 73.6/33

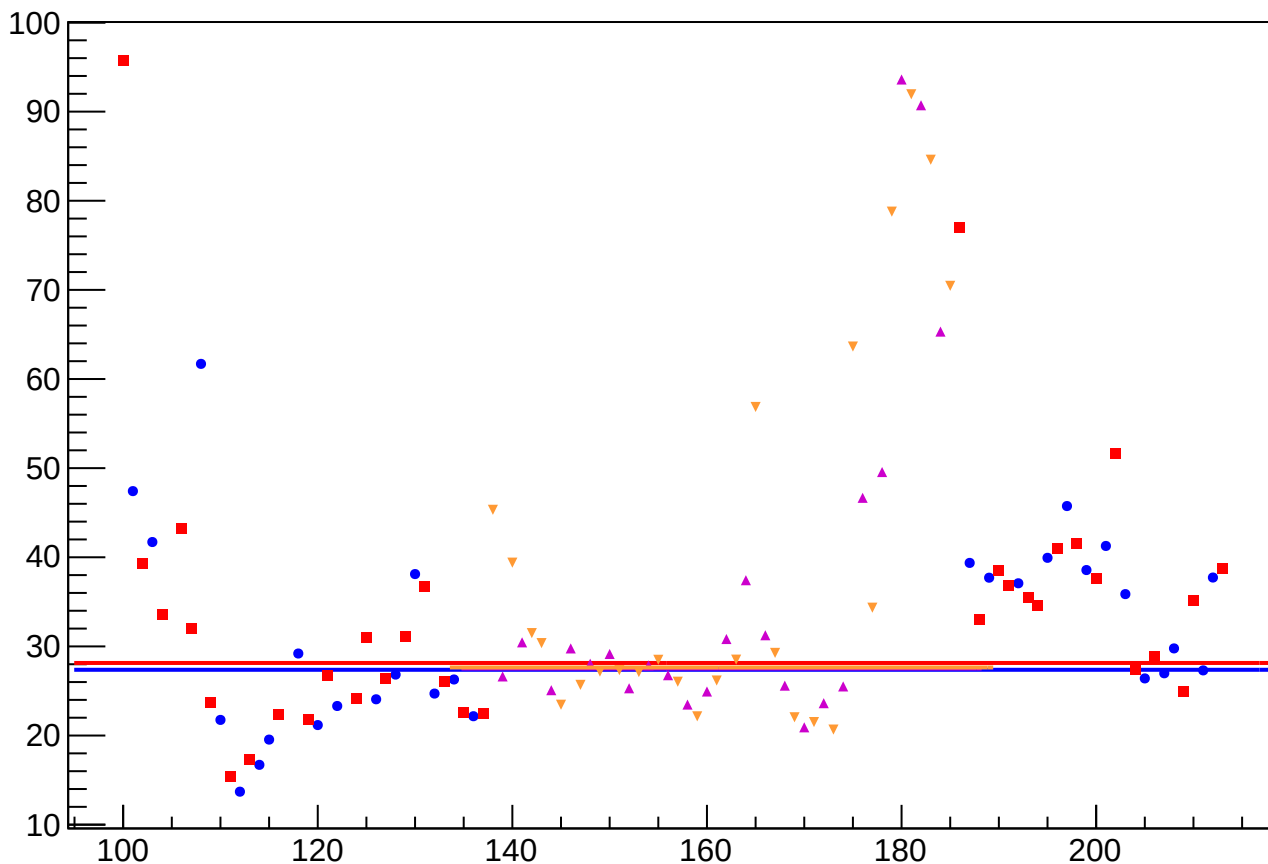
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.001 ± 0.005 χ^2/NDF : 64.0/53

All: 0.004 ± 0.003 χ^2/NDF : 163.4/110

- sign 0.006 ± 0.005 χ^2/NDF : 98.8/56

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.376 $\pm$ 0.005 χ^2 /NDF: 3177578.8/28

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 28.142 $\pm$ 0.005 χ^2 /NDF: 3045683.6/33

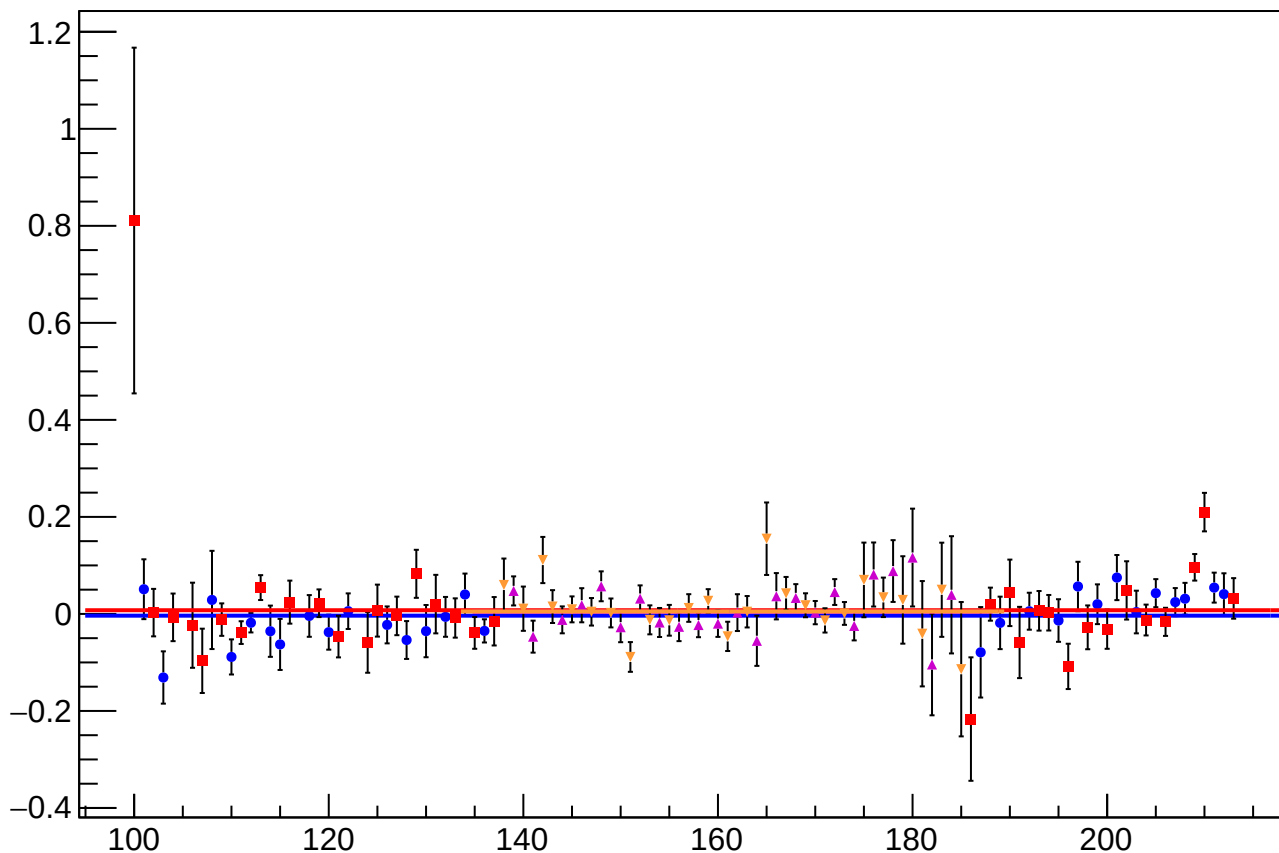
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 27.510 $\pm$ 0.003 χ^2 /NDF: 7153037.4/53

All: 27.673 $\pm$ 0.002 χ^2 /NDF: 12845505.2/110

- sign 27.835 $\pm$ 0.003 χ^2 /NDF: 5688108.5/56

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.007 χ^2/NDF : 34.8/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.008 ± 0.007 χ^2/NDF : 73.6/33

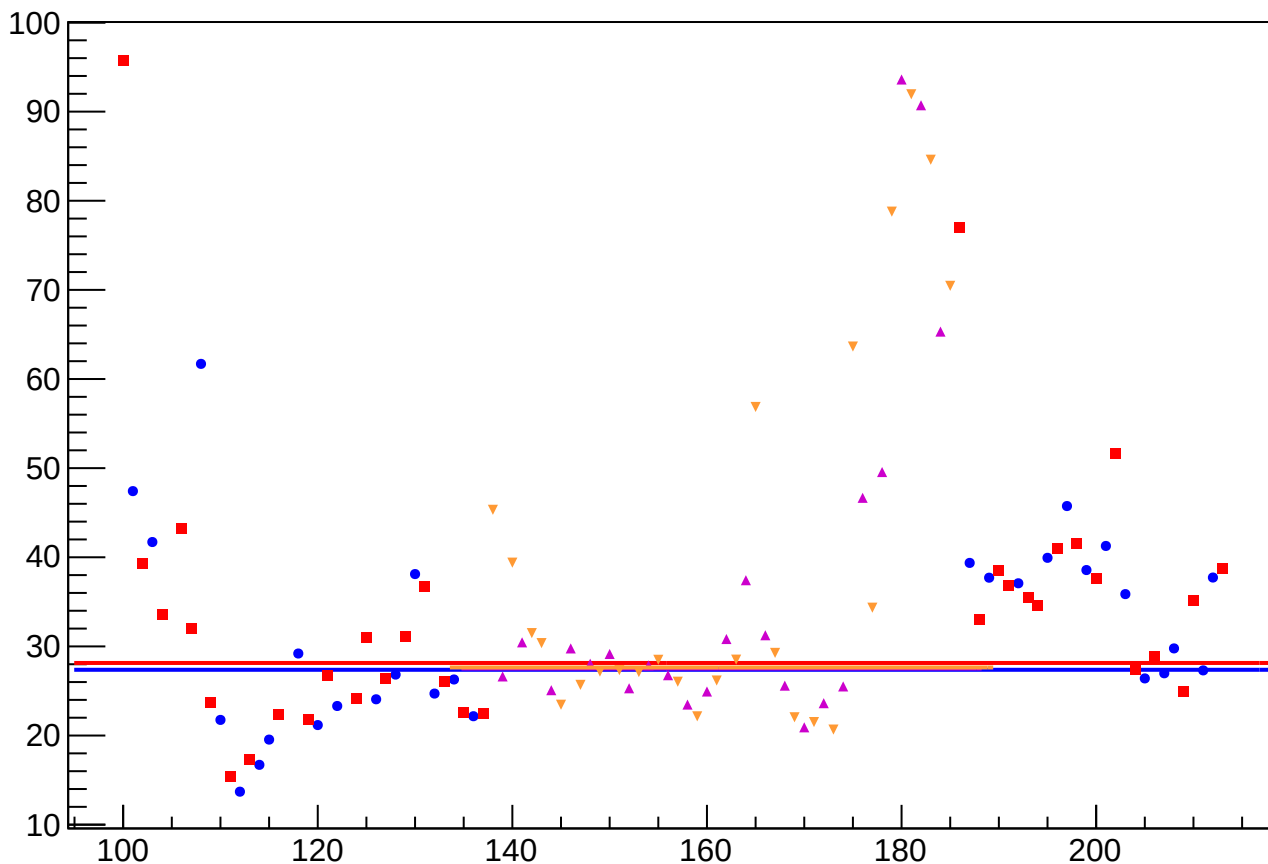
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.001 ± 0.005 χ^2/NDF : 64.0/53

All: 0.004 ± 0.003 χ^2/NDF : 163.4/110

- sign 0.006 ± 0.005 χ^2/NDF : 98.8/56

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.376 $\pm$ 0.005 χ^2 /NDF: 3177578.8/28

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 28.142 $\pm$ 0.005 χ^2 /NDF: 3045683.6/33

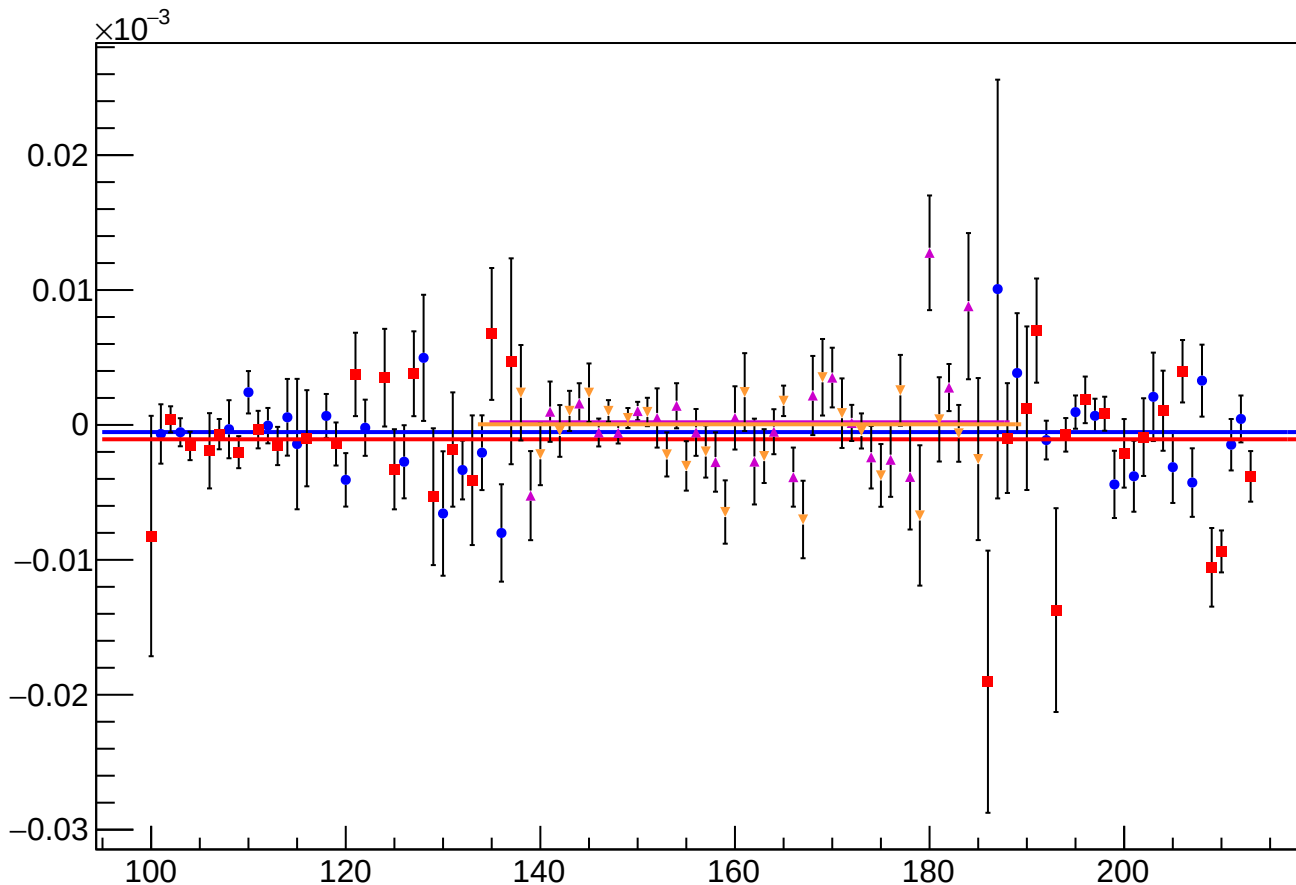
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 27.510 $\pm$ 0.003 χ^2 /NDF: 7153037.4/53

All: 27.673 $\pm$ 0.002 χ^2 /NDF: 12845505.2/110

- sign 27.835 $\pm$ 0.003 χ^2 /NDF: 5688108.5/56

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.9/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 78.4/33

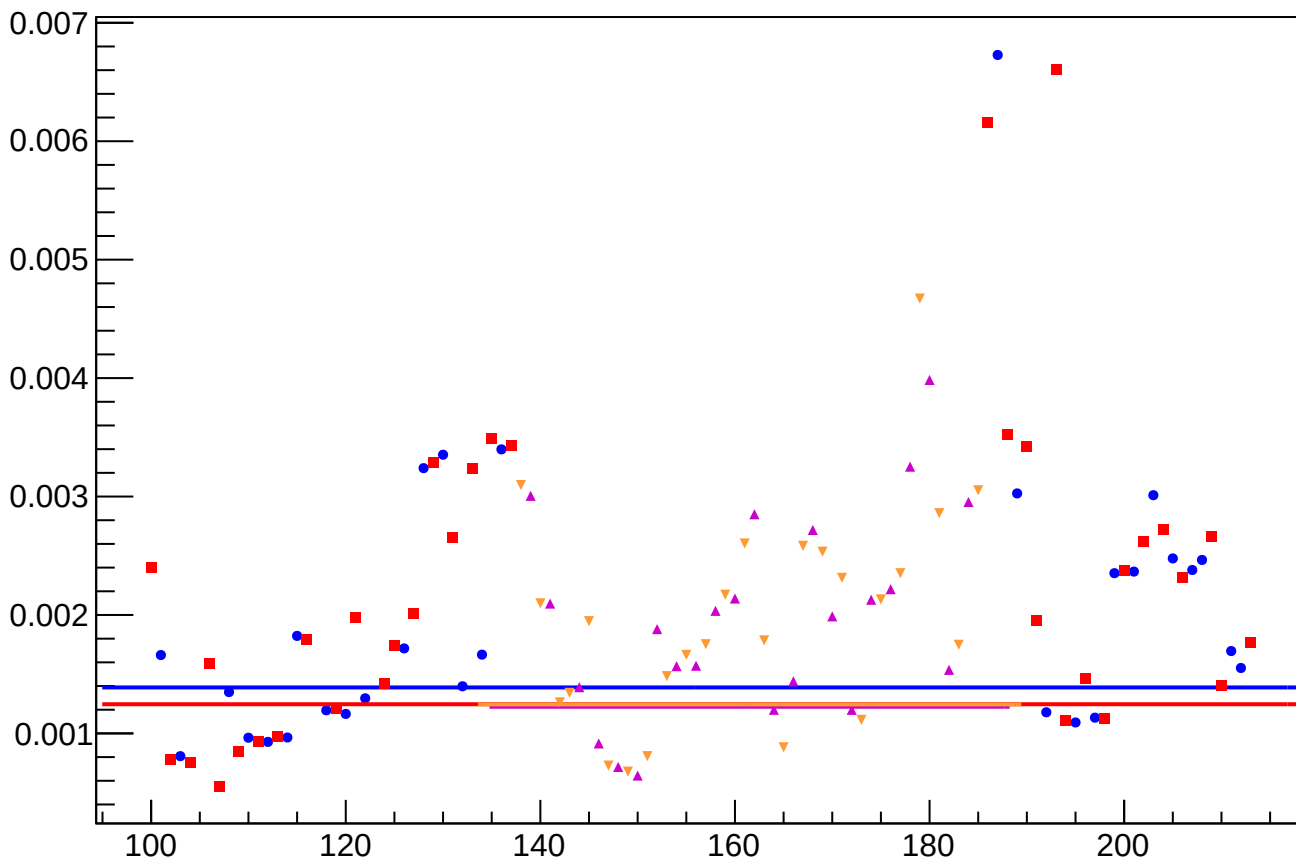
Left In: 0.000 ± 0.000 χ^2/NDF : 33.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 70.3/53

All: -0.000 ± 0.000 χ^2/NDF : 189.5/110

- sign -0.000 ± 0.000 χ^2/NDF : 118.8/56

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5362669.4/28

Left Out: 0.001+/-0.000 χ^2/NDF : 8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF : 8923219.4/33

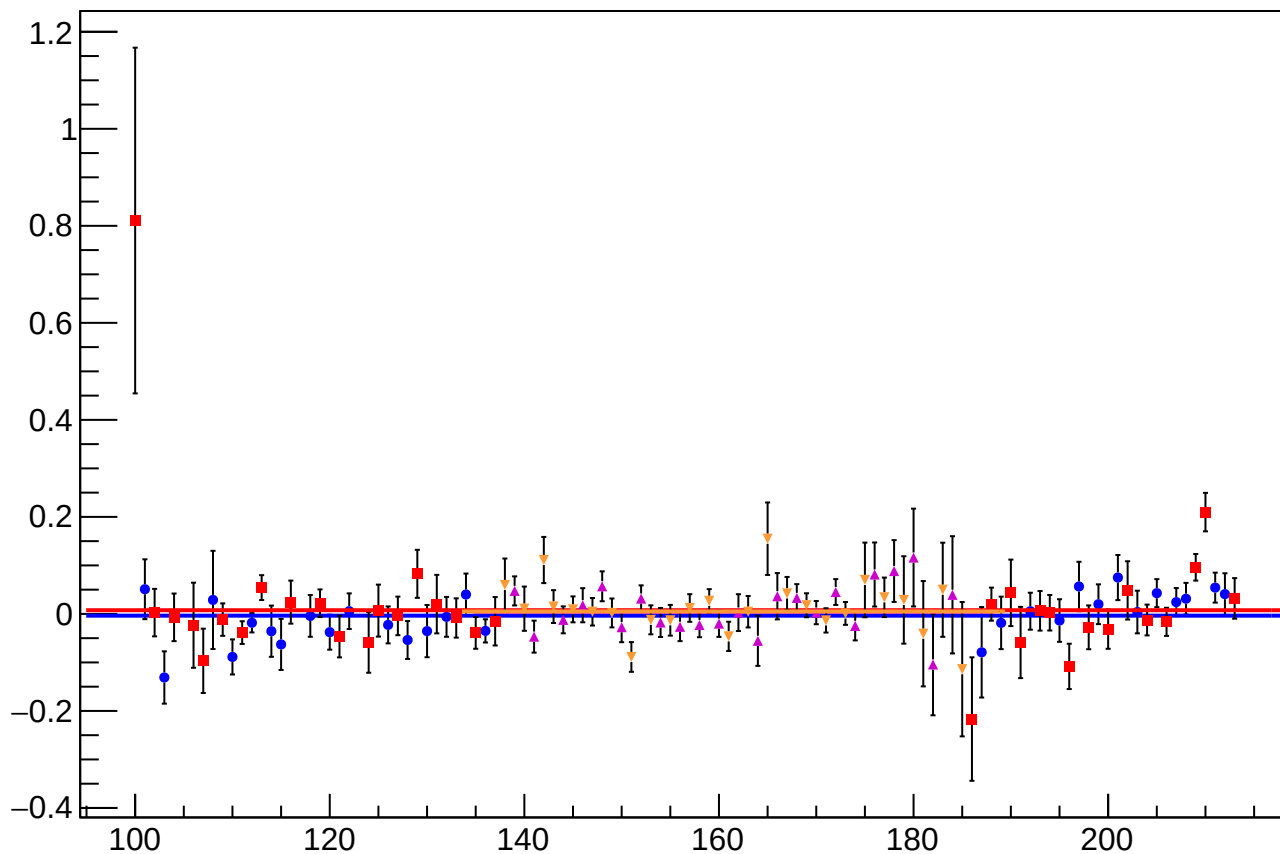
Left In: 0.001+/-0.000 χ^2/NDF : 7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 13873225.9/53

All: 0.001+/-0.000 χ^2/NDF : 30711103.1/110

- sign 0.001+/-0.000 χ^2/NDF : 16750068.9/56

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.007 χ^2/NDF : 34.8/28

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: 0.008 ± 0.007 χ^2/NDF : 73.6/33

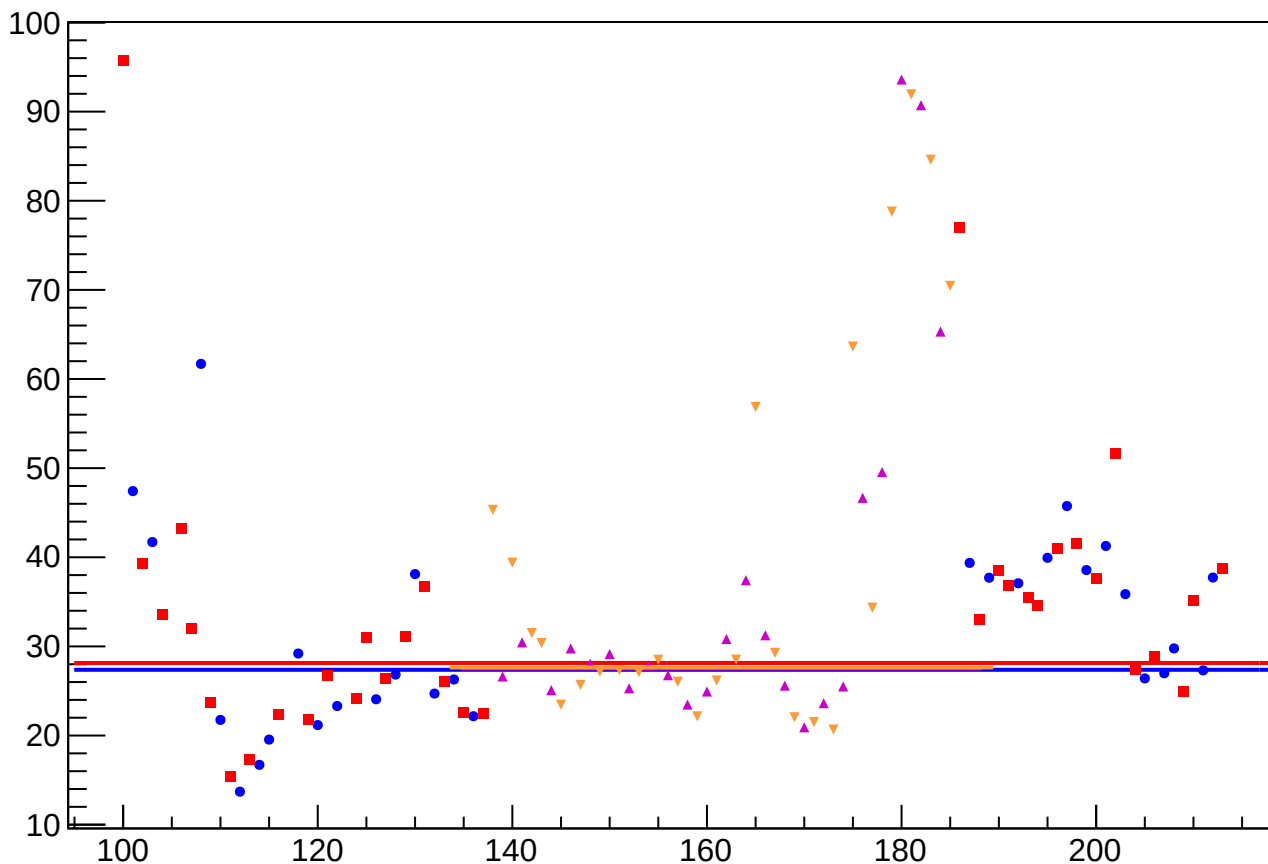
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.001 ± 0.005 χ^2/NDF : 64.0/53

All: 0.004 ± 0.003 χ^2/NDF : 163.4/110

- sign 0.006 ± 0.005 χ^2/NDF : 98.8/56

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.376 $\pm$ 0.005 χ^2 /NDF: 3177582.8/28

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 28.142 $\pm$ 0.005 χ^2 /NDF: 3045779.0/33

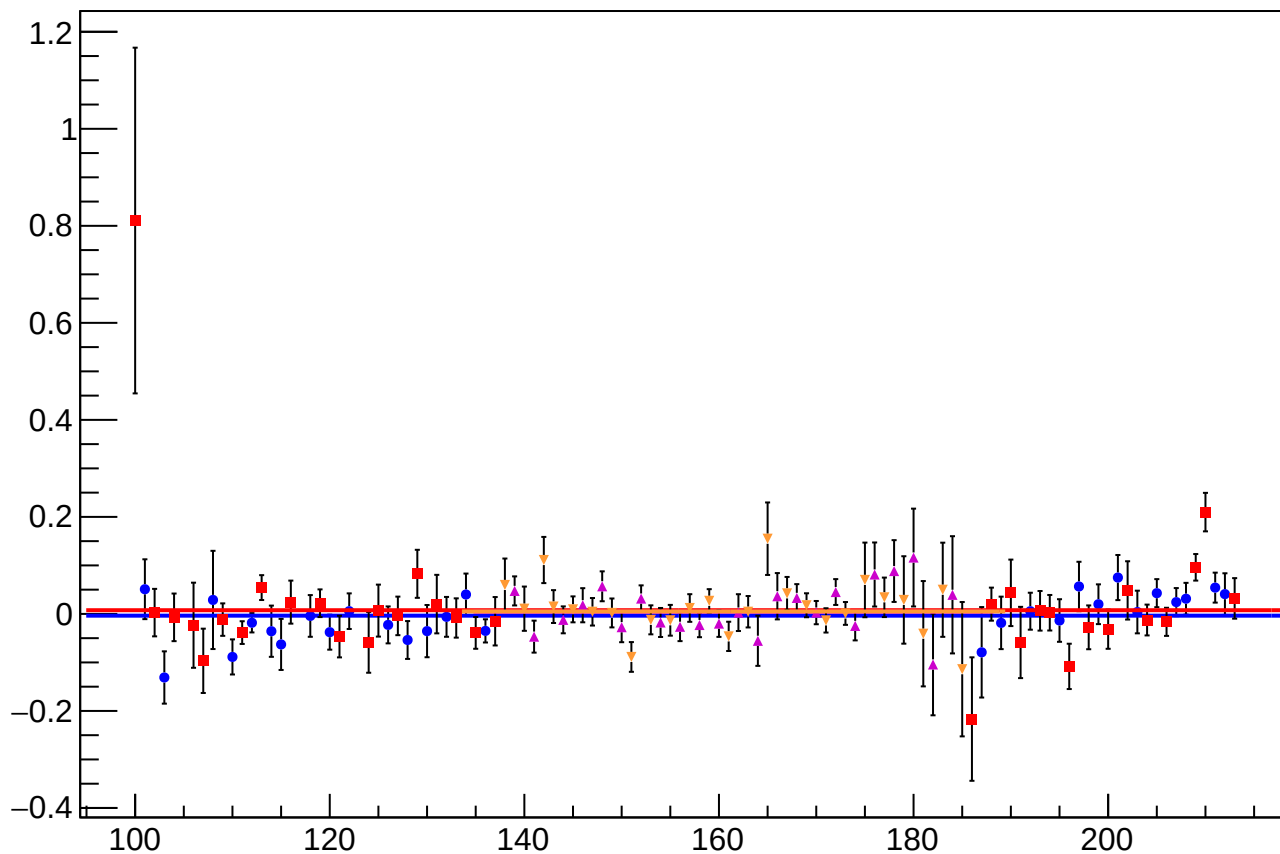
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 27.510 $\pm$ 0.003 χ^2 /NDF: 7152985.8/53

All: 27.673 $\pm$ 0.002 χ^2 /NDF: 12845507.4/110

- sign 27.835 $\pm$ 0.003 χ^2 /NDF: 5688164.8/56

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.007 $\chi^2/\text{NDF}: 34.8/28$

Left Out: 0.005 ± 0.007 $\chi^2/\text{NDF}: 28.4/24$

Right Out: 0.008 ± 0.007 $\chi^2/\text{NDF}: 73.6/33$

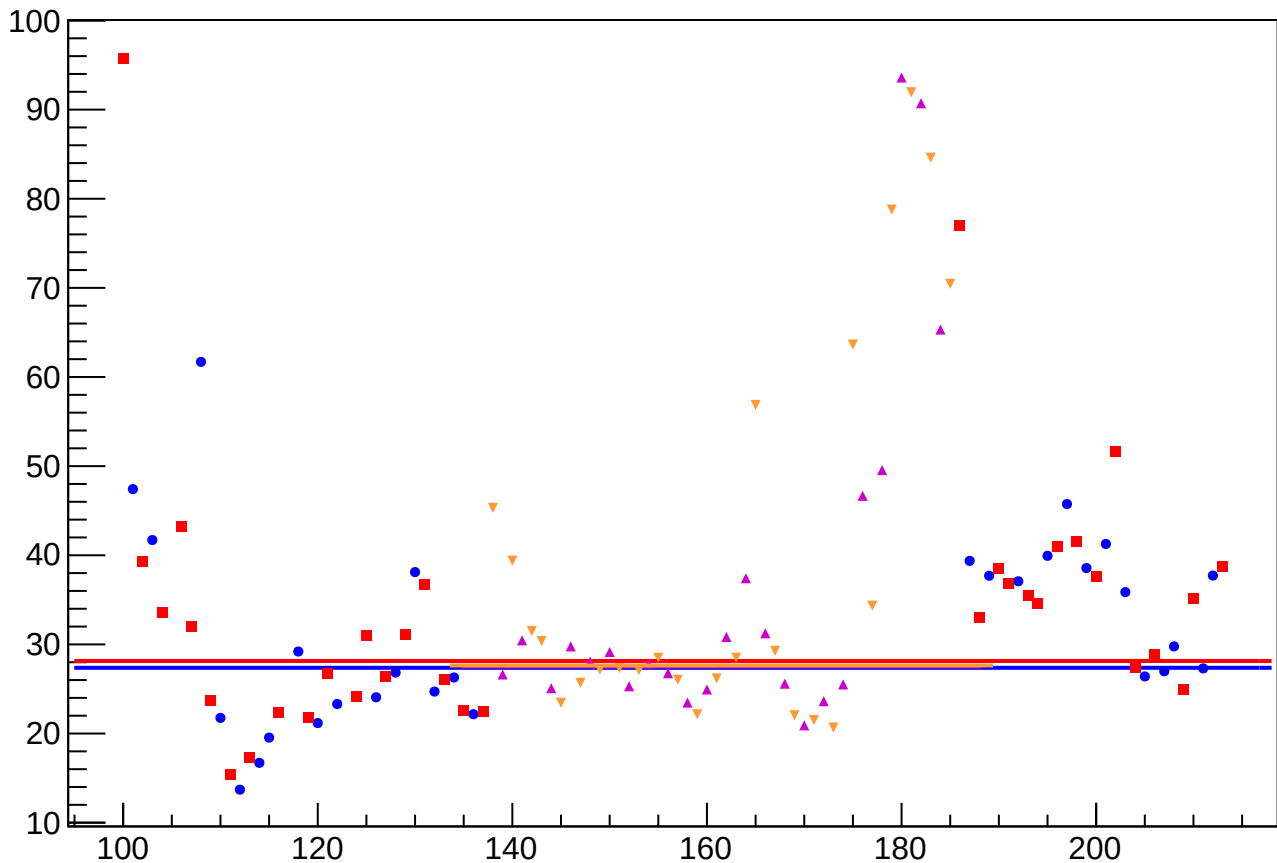
Left In: 0.005 ± 0.007 $\chi^2/\text{NDF}: 25.1/22$

+ sign 0.001 ± 0.005 $\chi^2/\text{NDF}: 64.0/53$

All: 0.004 ± 0.003 $\chi^2/\text{NDF}: 163.4/110$

- sign 0.006 ± 0.005 $\chi^2/\text{NDF}: 98.8/56$

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.376 $\pm$ 0.005 χ^2 /NDF: 3177582.8/28

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 28.142 $\pm$ 0.005 χ^2 /NDF: 3045779.0/33

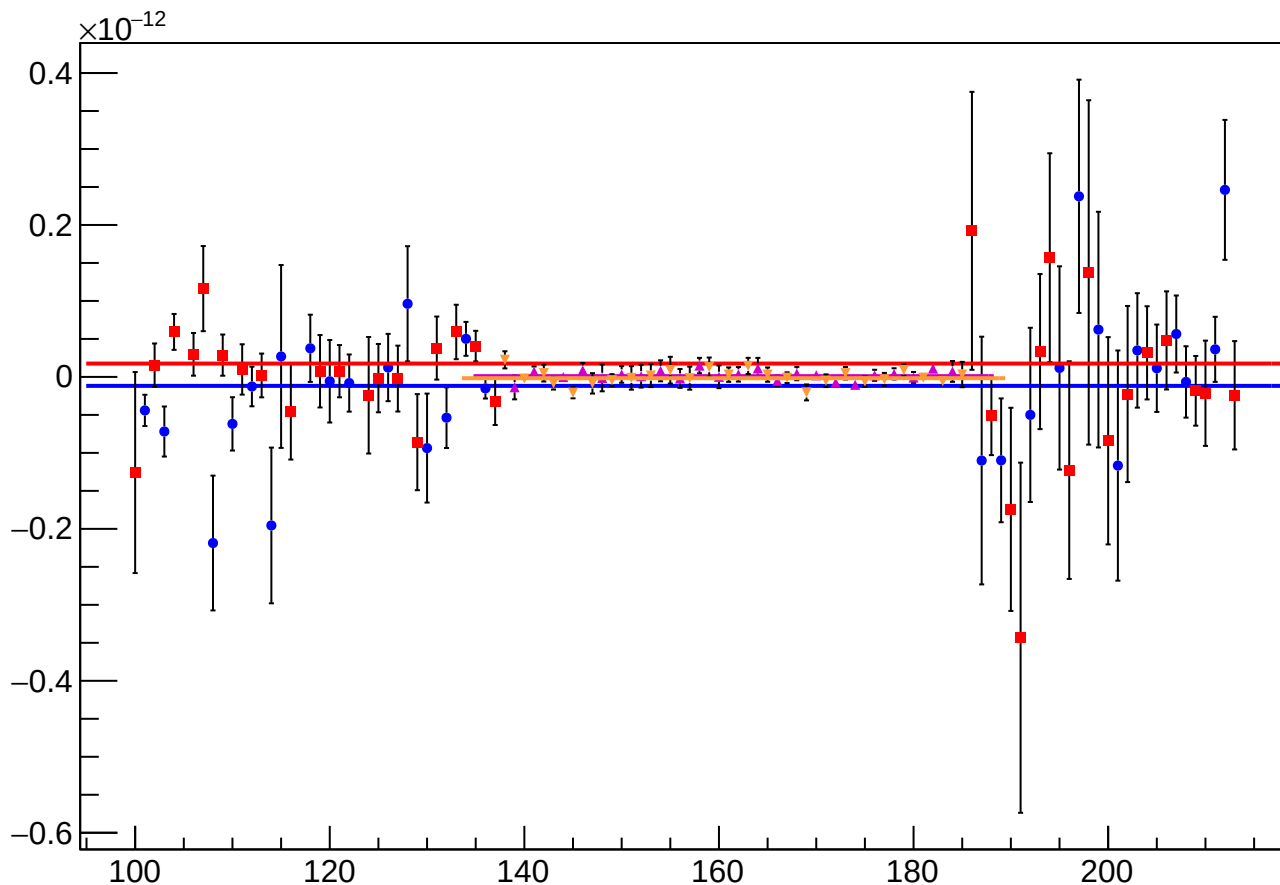
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 27.510 $\pm$ 0.003 χ^2 /NDF: 7152985.8/53

All: 27.673 $\pm$ 0.002 χ^2 /NDF: 12845507.4/110

- sign 27.835 $\pm$ 0.003 χ^2 /NDF: 5688164.8/56

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 47.1/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.0/33

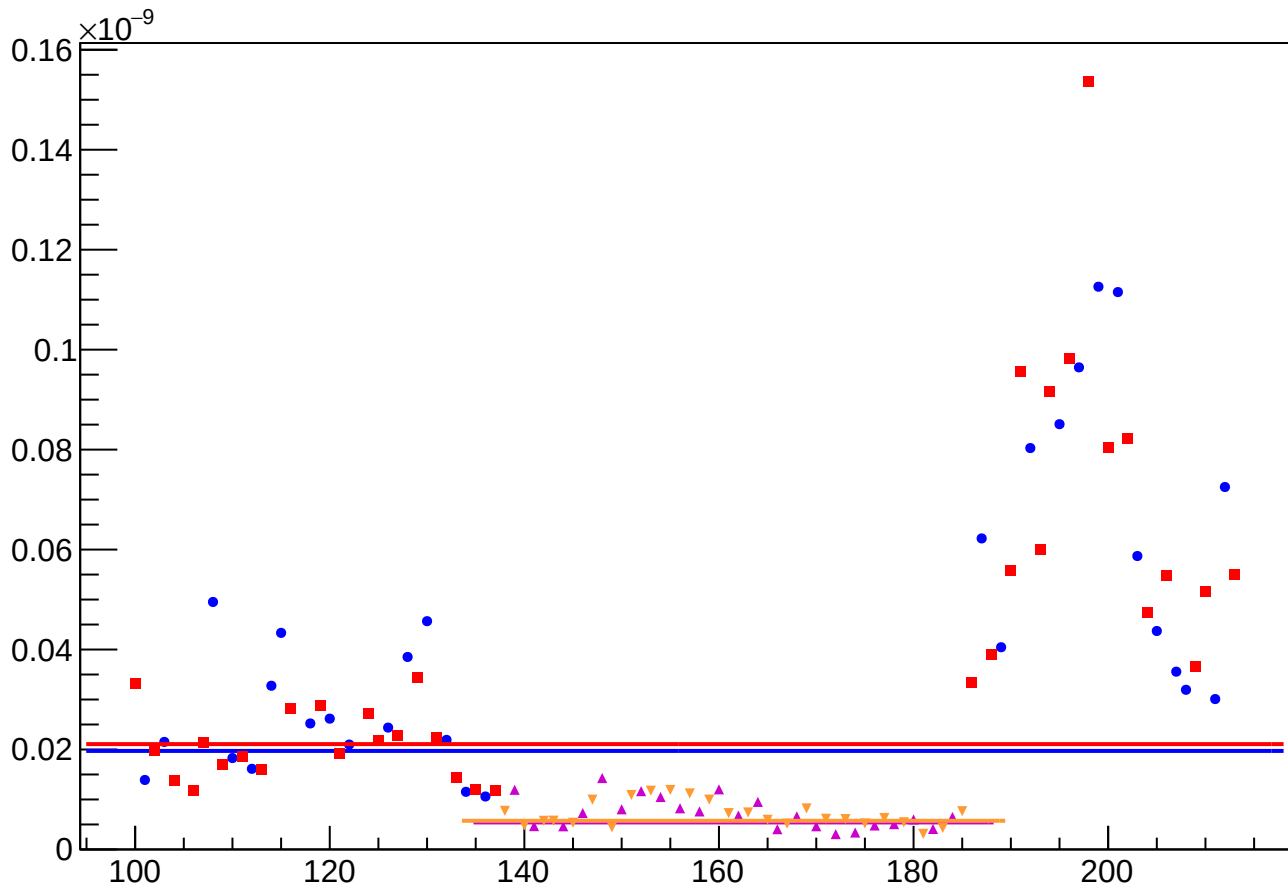
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 73.4/53

All: -0.000 ± 0.000 χ^2/NDF : 127.7/110

- sign 0.000 ± 0.000 χ^2/NDF : 51.3/56

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7470167.0/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6997877.8/33

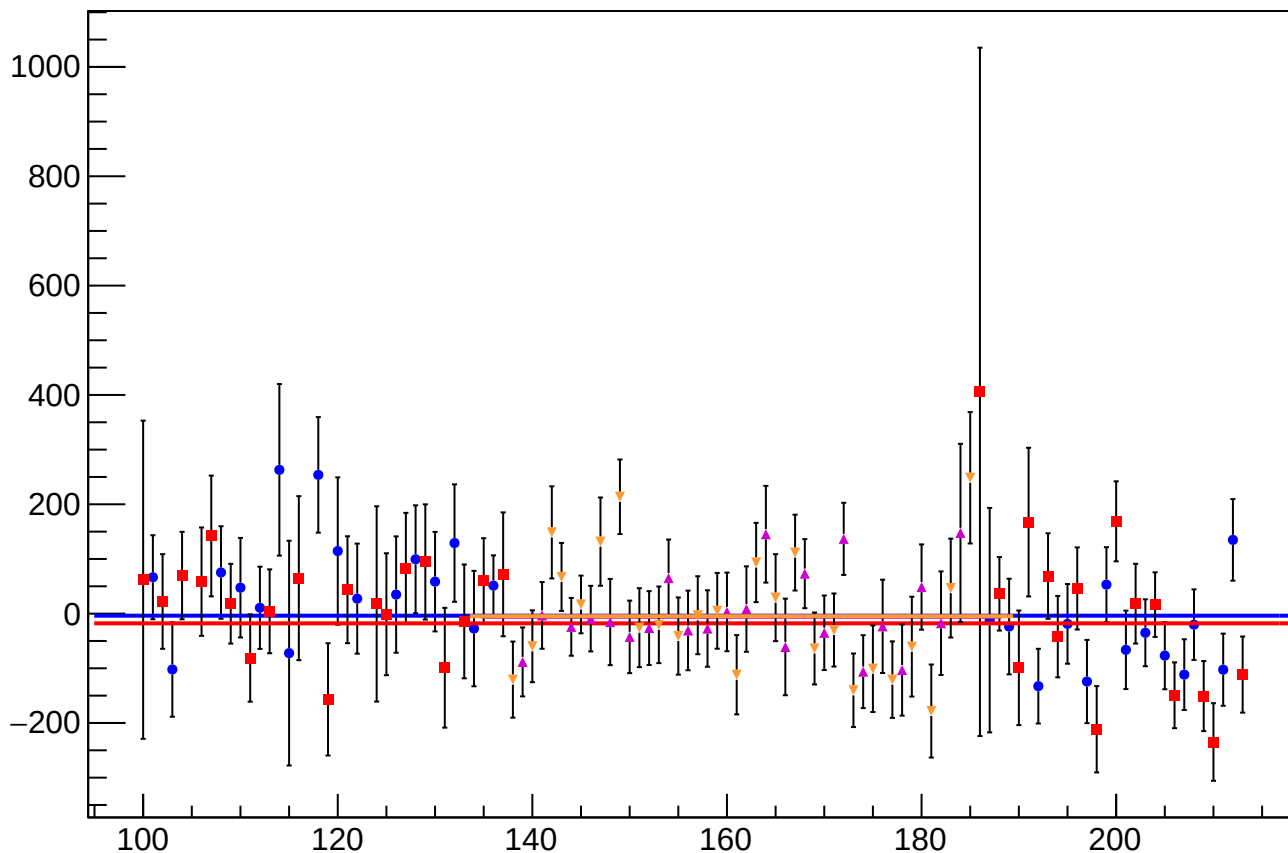
Left In: 0.000+/-0.000 χ^2/NDF : 3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 17149956.5/53

All: 0.000+/-0.000 χ^2/NDF : 36165870.0/110

- sign 0.000+/-0.000 χ^2/NDF : 18988613.6/56

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -3.771 ± 15.043 $\chi^2/\text{NDF}: 35.2/28$

Left Out: -4.742 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: -17.769 ± 14.744 $\chi^2/\text{NDF}: 51.0/33$

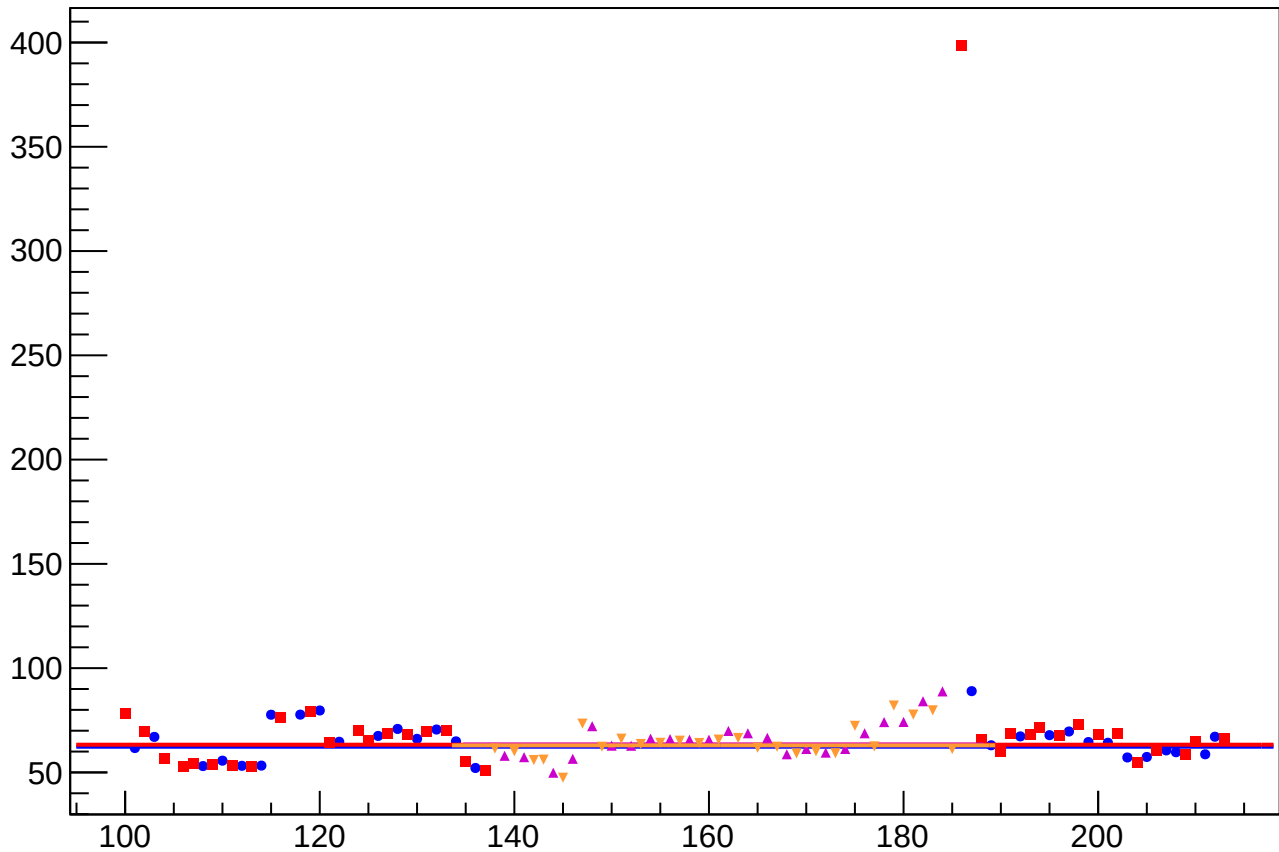
Left In: -5.776 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign -4.277 ± 10.414 $\chi^2/\text{NDF}: 82.6/53$

All: -8.035 ± 7.391 $\chi^2/\text{NDF}: 152.5/110$

- sign -11.848 ± 10.491 $\chi^2/\text{NDF}: 69.6/56$

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.330 $\pm$ 0.011 χ^2 /NDF: 392666.5/28

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.294 $\pm$ 0.010 χ^2 /NDF: 1029282.0/33

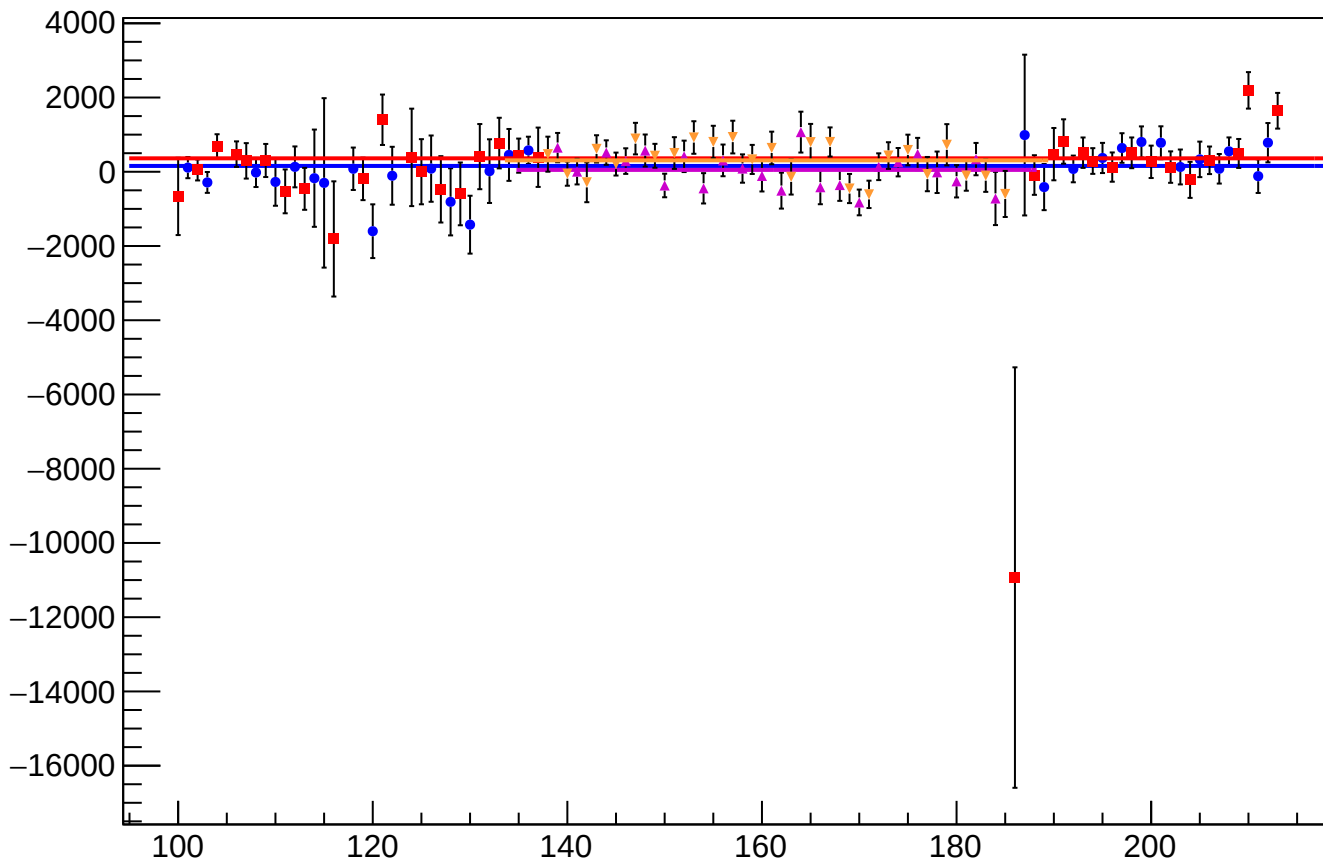
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.667 $\pm$ 0.007 χ^2 /NDF: 921446.5/53

All: 62.995 $\pm$ 0.005 χ^2 /NDF: 2451695.4/110

- sign 63.329 $\pm$ 0.007 χ^2 /NDF: 1526231.4/56

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 156.886 $\pm$ 89.846 χ^2 /NDF: 26.3/28

Left Out: 307.183 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 361.855 $\pm$ 84.944 χ^2 /NDF: 44.5/33

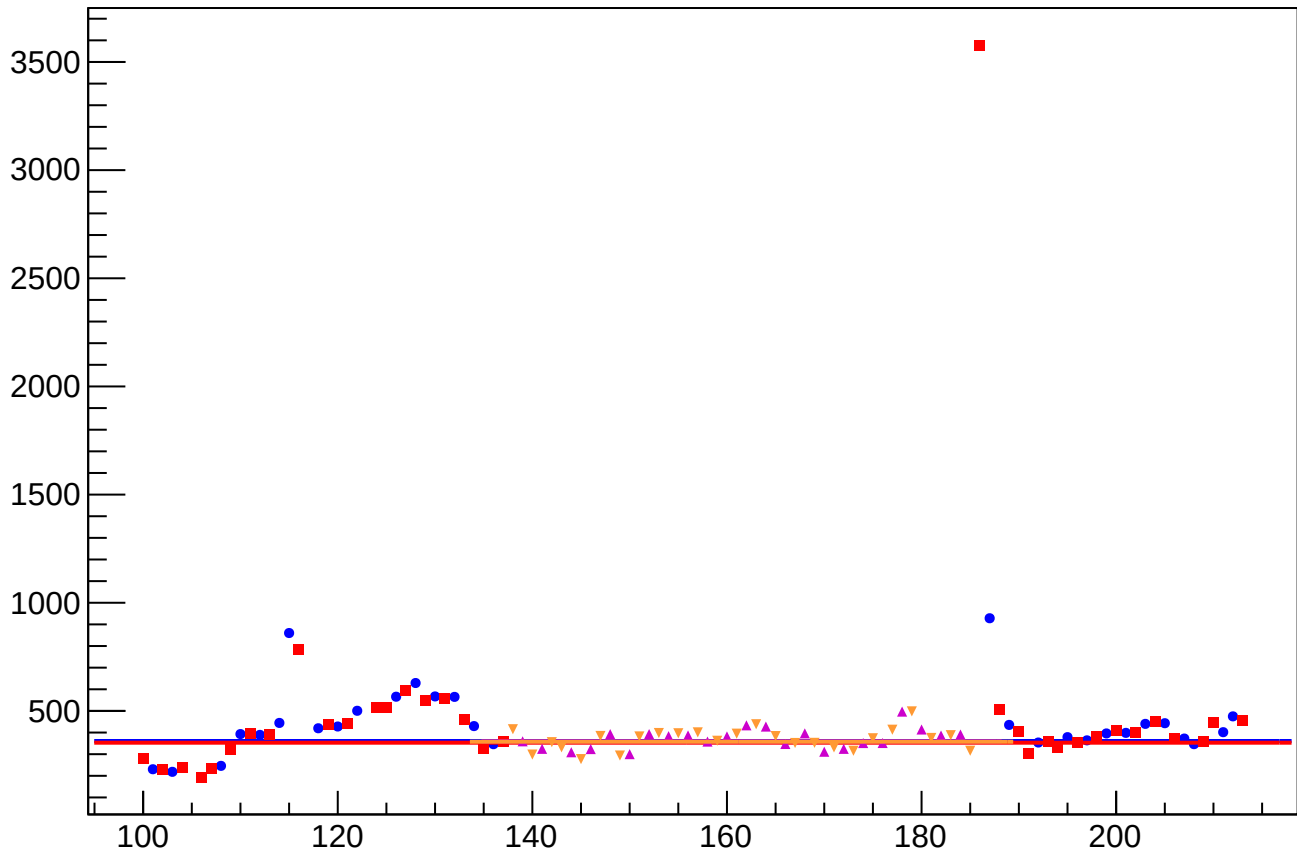
Left In: 50.030 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 238.555 $\pm$ 60.712 χ^2 /NDF: 58.4/53

All: 221.966 $\pm$ 42.686 χ^2 /NDF: 137.1/110

- sign 205.749 $\pm$ 60.027 χ^2 /NDF: 78.5/56

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 360.914 $\pm$ 0.064 χ^2 /NDF: 2306214.6/28

Left Out: 357.731 $\pm$ 0.058 χ^2 /NDF: 683730.4/24

Right Out: 353.097 $\pm$ 0.060 χ^2 /NDF: 3163579.5/33

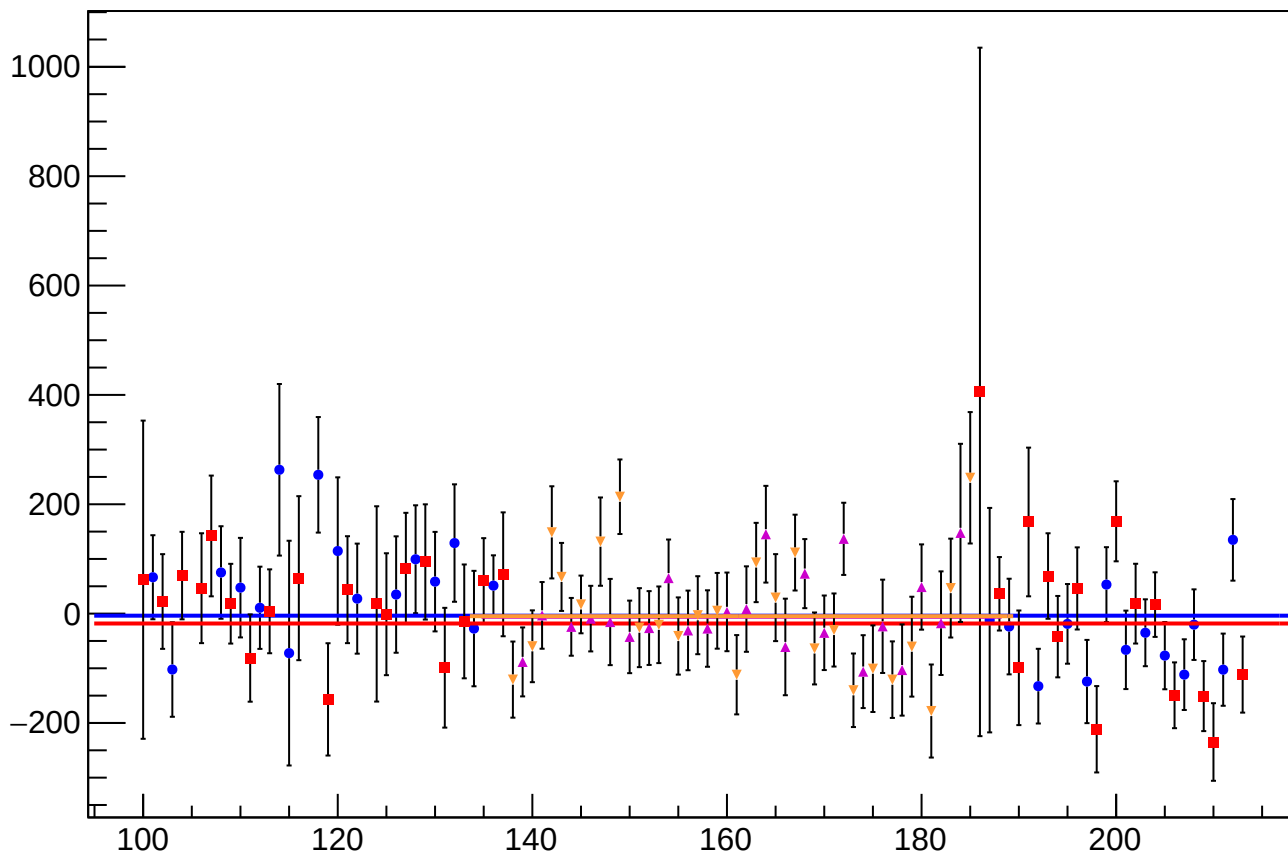
Left In: 359.350 $\pm$ 0.060 χ^2 /NDF: 519759.9/22

+ sign 359.185 $\pm$ 0.043 χ^2 /NDF: 2991308.6/53

All: 357.689 $\pm$ 0.030 χ^2 /NDF: 6682473.3/110

- sign 356.227 $\pm$ 0.042 χ^2 /NDF: 3688765.2/56

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -3.777 ± 15.043 $\chi^2/\text{NDF}: 35.2/28$

Left Out: -4.748 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: -18.074 ± 14.749 $\chi^2/\text{NDF}: 50.8/33$

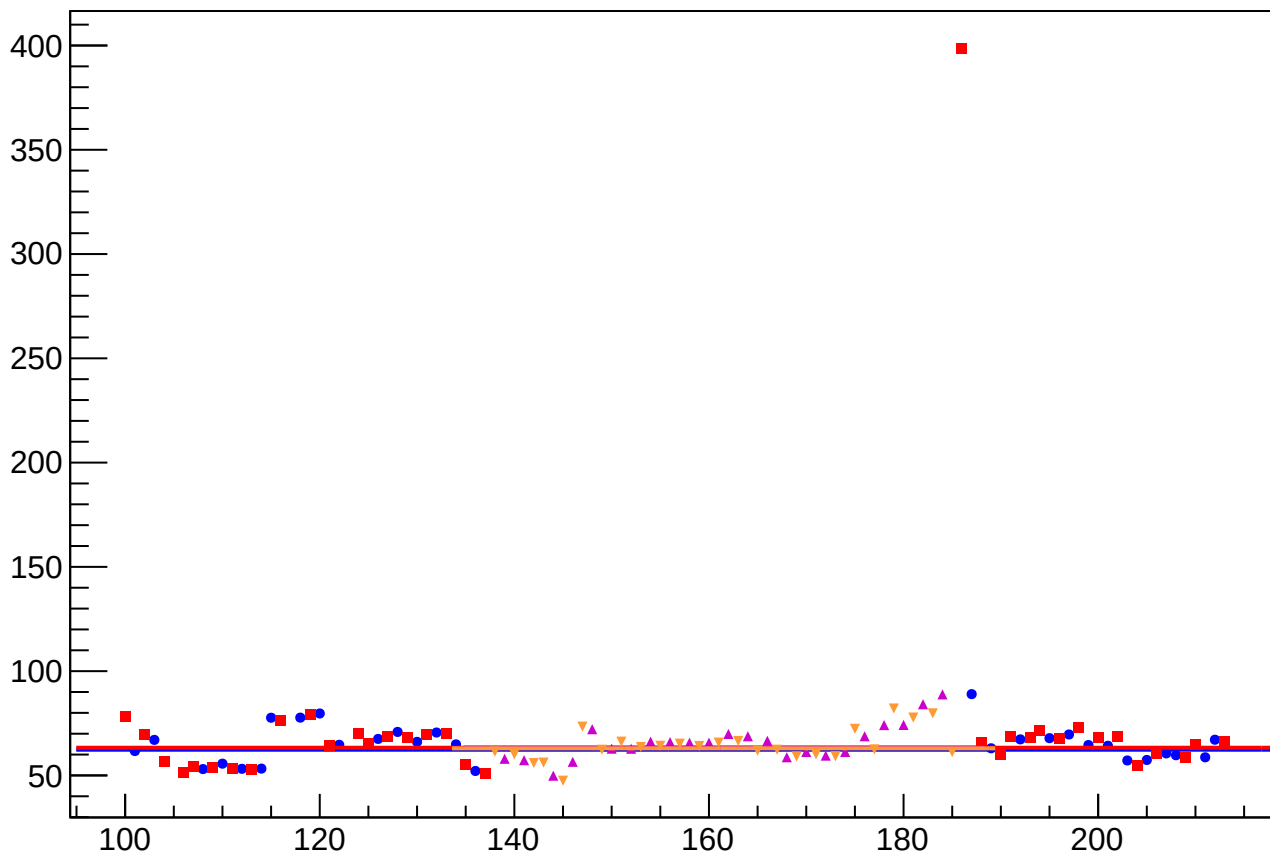
Left In: -5.775 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign -4.282 ± 10.414 $\chi^2/\text{NDF}: 82.6/53$

All: -8.112 ± 7.392 $\chi^2/\text{NDF}: 152.3/110$

- sign -12.000 ± 10.493 $\chi^2/\text{NDF}: 69.5/56$

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.330 $\pm$ 0.011 χ^2 /NDF: 392666.7/28

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.278 $\pm$ 0.010 χ^2 /NDF: 1033396.3/33

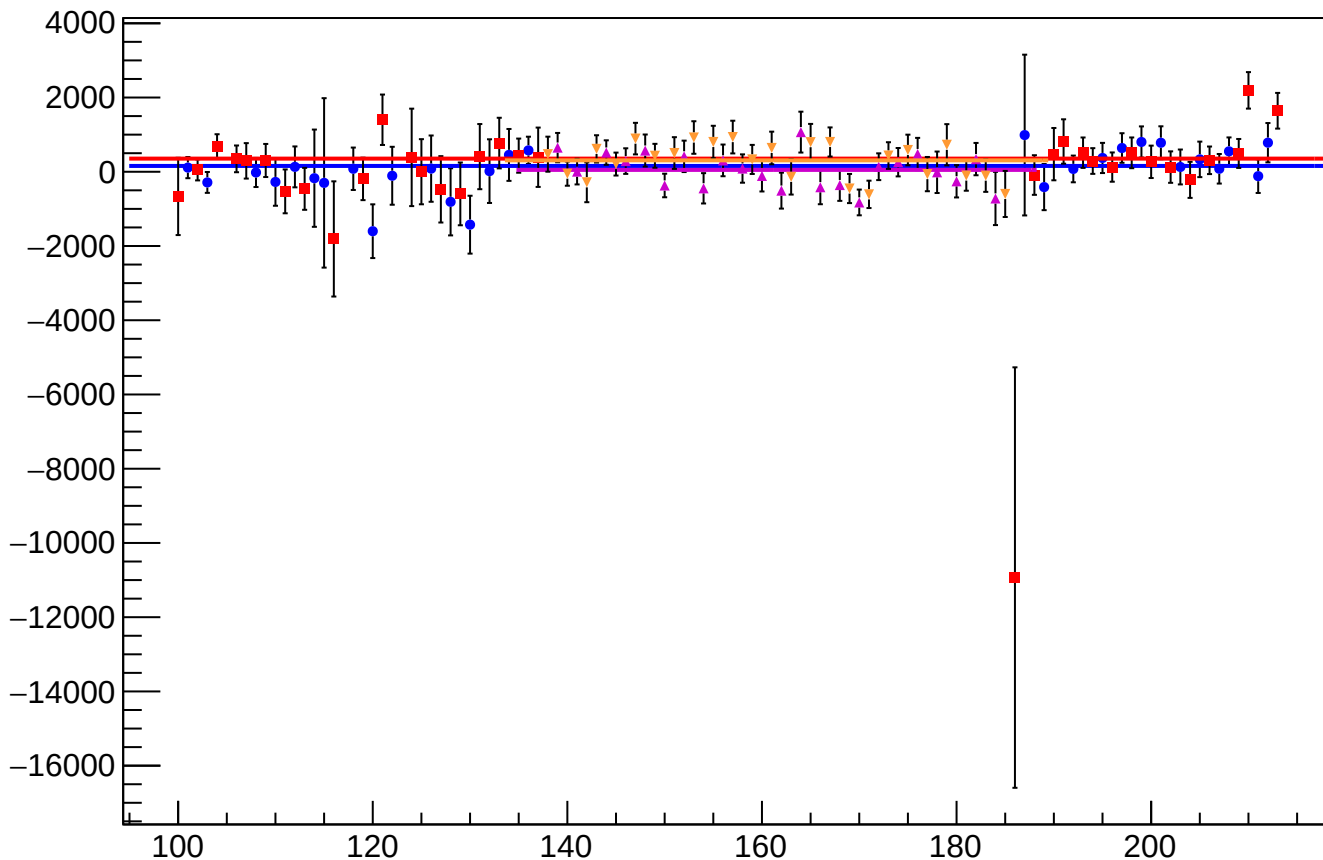
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.667 $\pm$ 0.007 χ^2 /NDF: 921446.7/53

All: 62.991 $\pm$ 0.005 χ^2 /NDF: 2455723.7/110

- sign 63.321 $\pm$ 0.007 χ^2 /NDF: 1530357.4/56

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 156.891 $\pm$ 89.847 χ^2 /NDF: 26.3/28

Left Out: 307.177 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 354.331 $\pm$ 85.174 χ^2 /NDF: 44.3/33

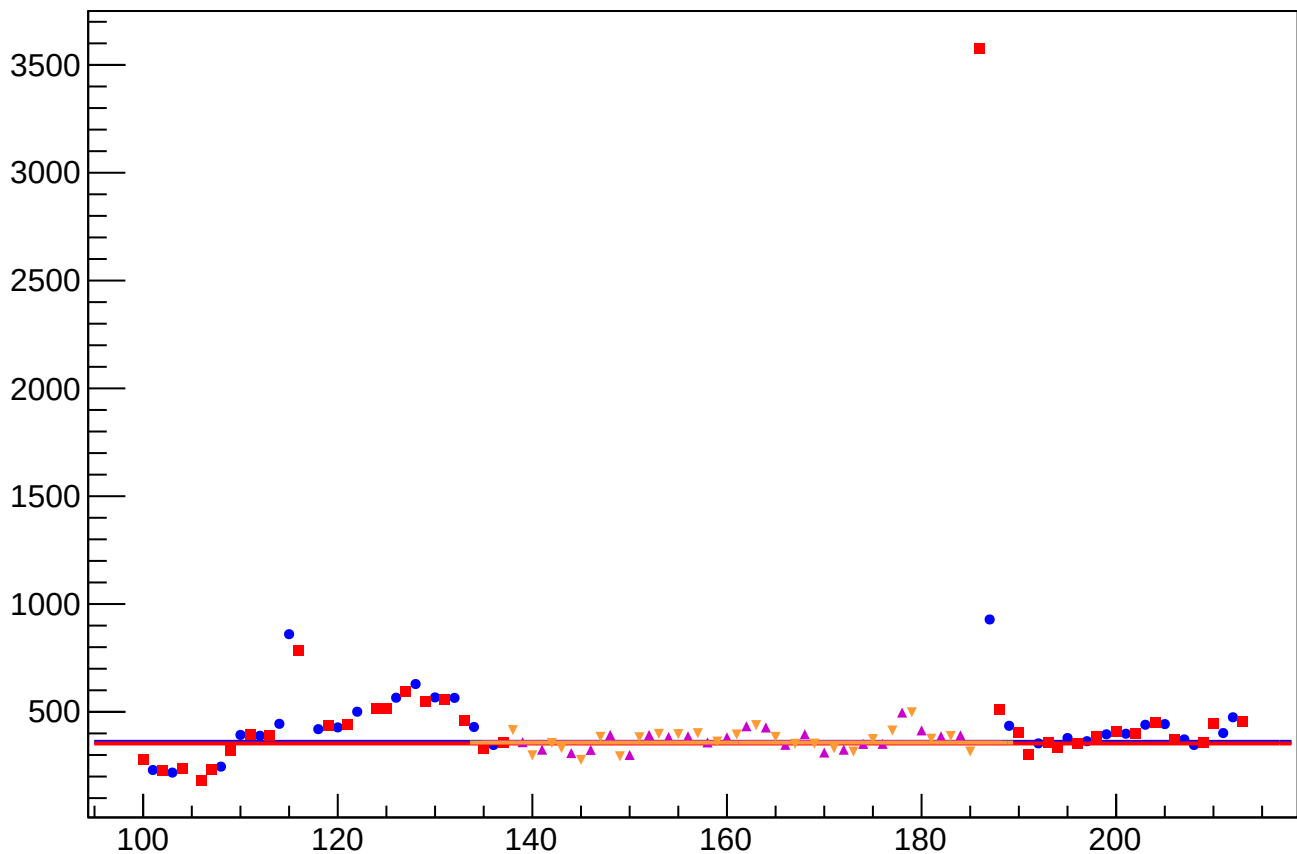
Left In: 50.029 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 238.554 $\pm$ 60.712 χ^2 /NDF: 58.4/53

All: 219.881 $\pm$ 42.715 χ^2 /NDF: 136.6/110

- sign 201.578 $\pm$ 60.108 χ^2 /NDF: 78.0/56

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 360.915+/-0.064 χ^2/NDF : 2306128.9/28

Left Out: 357.732+/-0.058 χ^2/NDF : 683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF : 3177702.1/33

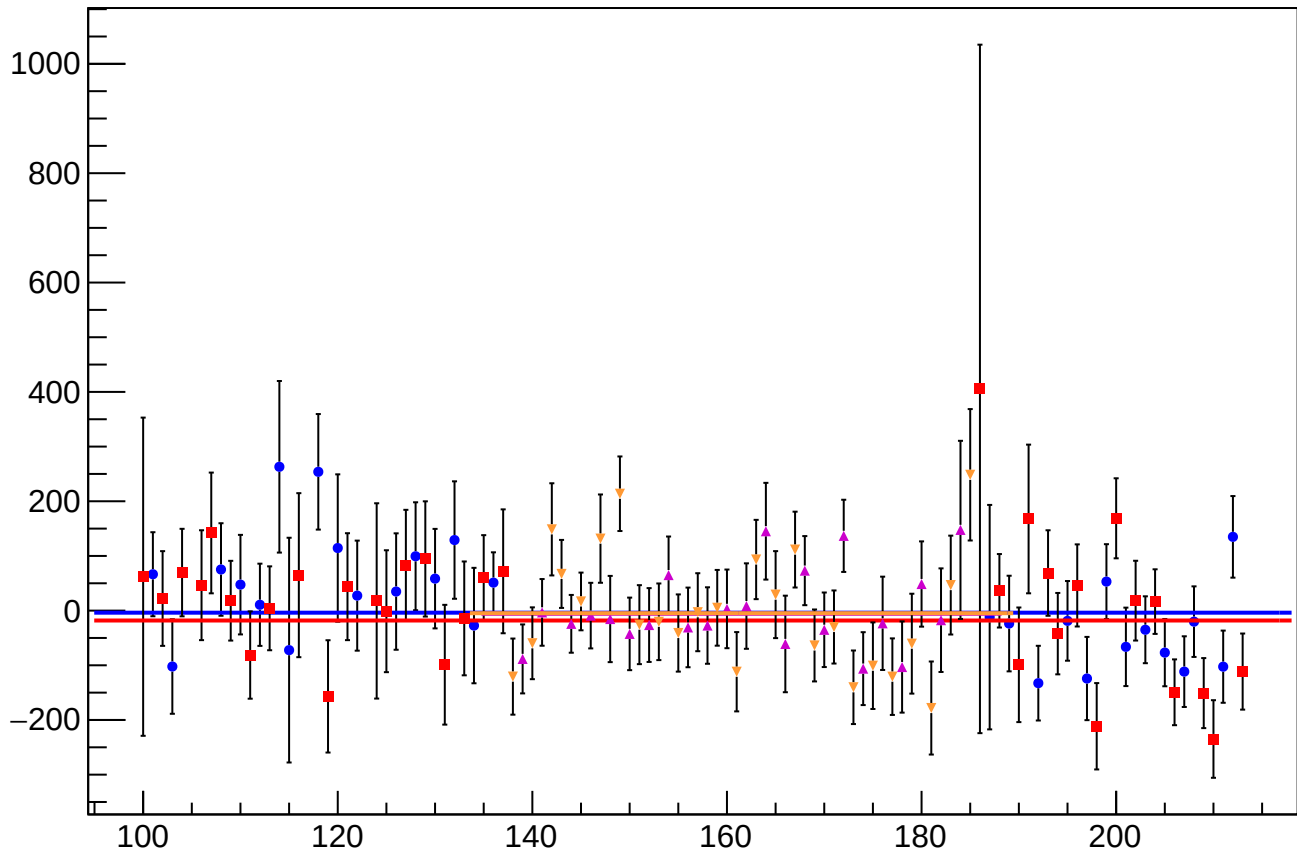
Left In: 359.350+/-0.060 χ^2/NDF : 519762.7/22

+ sign 359.185+/-0.043 χ^2/NDF : 2991220.1/53

All: 357.772+/-0.030 χ^2/NDF : 6695727.2/110

- sign 356.387+/-0.043 χ^2/NDF : 3702362.0/56

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -3.777 ± 15.043 χ^2/NDF : 35.2/28

Left Out: -4.748 ± 14.432 χ^2/NDF : 47.4/24

Right Out: -18.074 ± 14.749 χ^2/NDF : 50.8/33

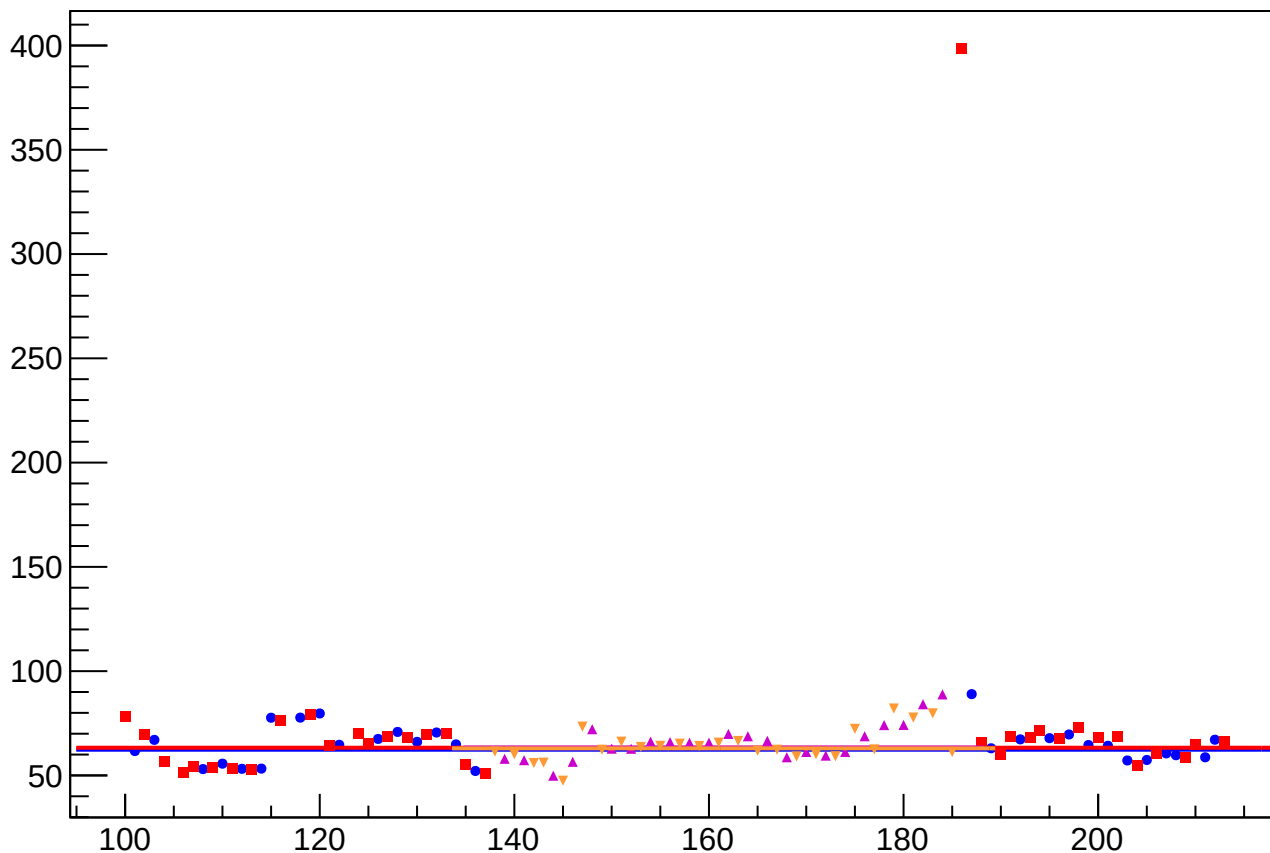
Left In: -5.775 ± 14.931 χ^2/NDF : 18.3/22

+ sign -4.282 ± 10.414 χ^2/NDF : 82.6/53

All: -8.112 ± 7.392 χ^2/NDF : 152.3/110

- sign -12.000 ± 10.493 χ^2/NDF : 69.5/56

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.330 $\pm$ 0.011 χ^2 /NDF: 392666.7/28

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 63.278 $\pm$ 0.010 χ^2 /NDF: 1033396.3/33

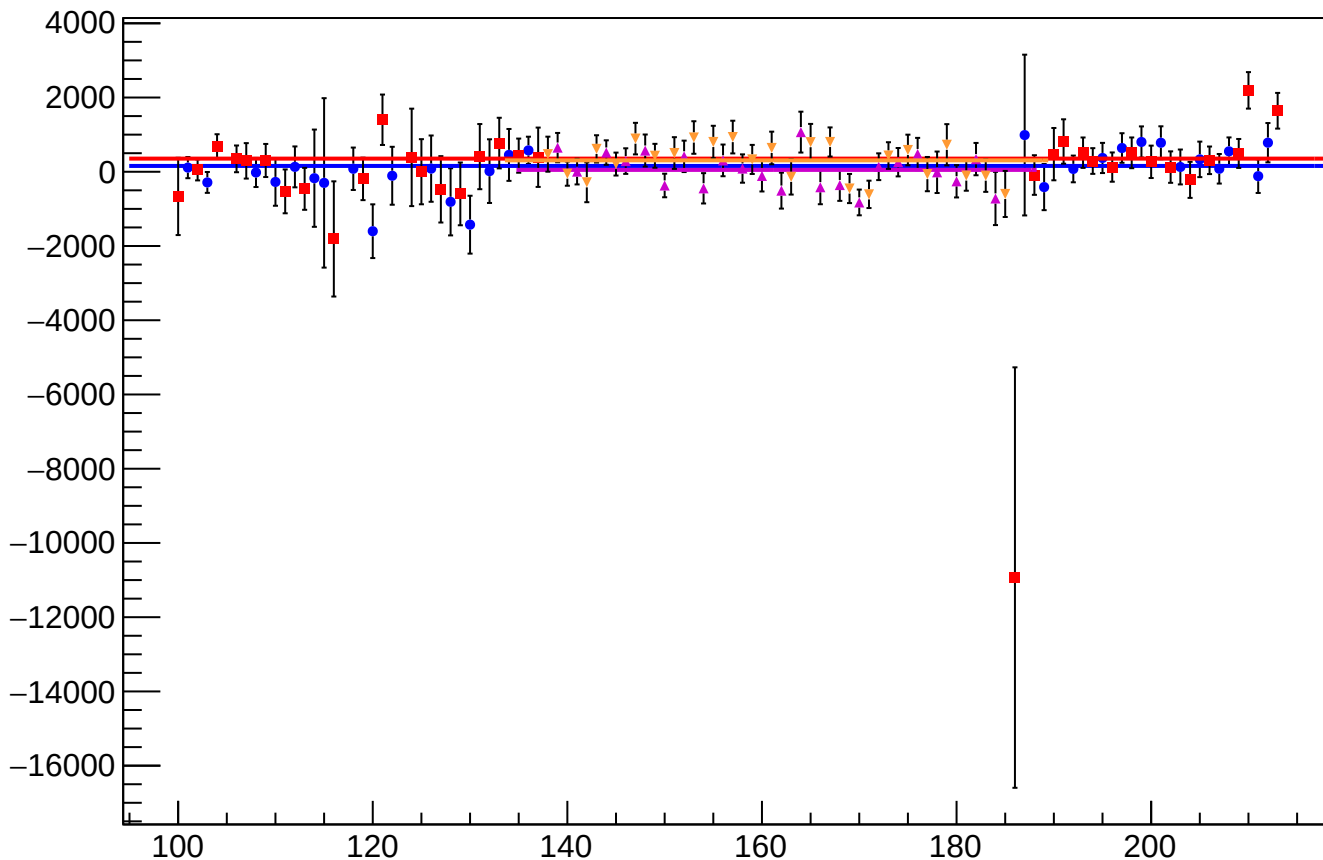
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.667 $\pm$ 0.007 χ^2 /NDF: 921446.7/53

All: 62.991 $\pm$ 0.005 χ^2 /NDF: 2455723.7/110

- sign 63.321 $\pm$ 0.007 χ^2 /NDF: 1530357.4/56

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



Right In: 156.891 $\pm$ 89.847 χ^2 /NDF: 26.3/28

Left Out: 307.177 $\pm$ 82.361 χ^2 /NDF:30.6/24

Right Out: 354.331 $\pm$ 85.174 χ^2 /NDF: 44.3/33

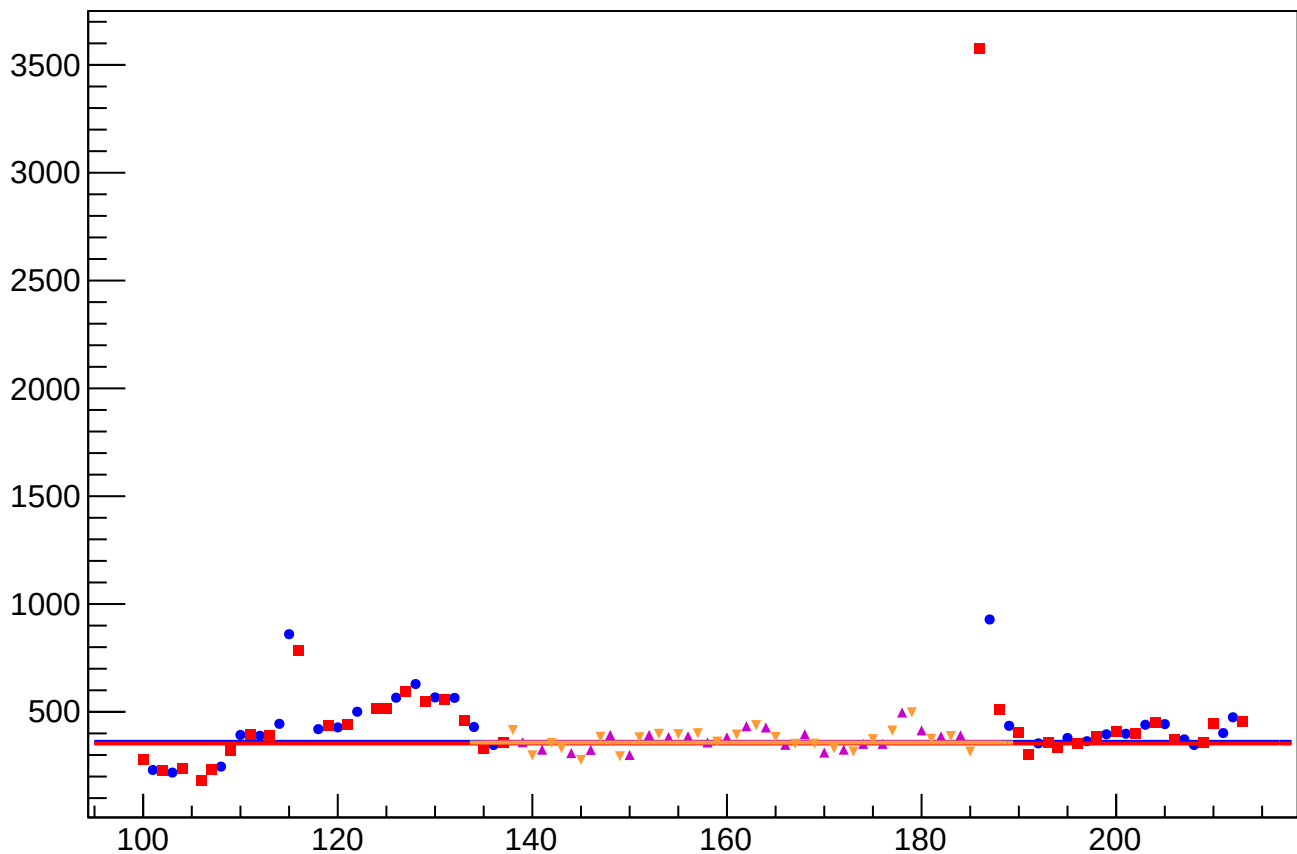
Left In: 50.029 $\pm$ 84.838 χ^2 /NDF:27.3/22

+ sign 238.554 $\pm$ 60.712 χ^2 /NDF: 58.4/53

All: 219.881 $\pm$ 42.715 χ^2 /NDF: 136.6/110

- sign 201.578 $\pm$ 60.108 χ^2 /NDF: 78.0/56

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 360.915+/-0.064 χ^2/NDF : 2306128.9/28

Left Out: 357.732+/-0.058 χ^2/NDF : 683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF : 3177702.1/33

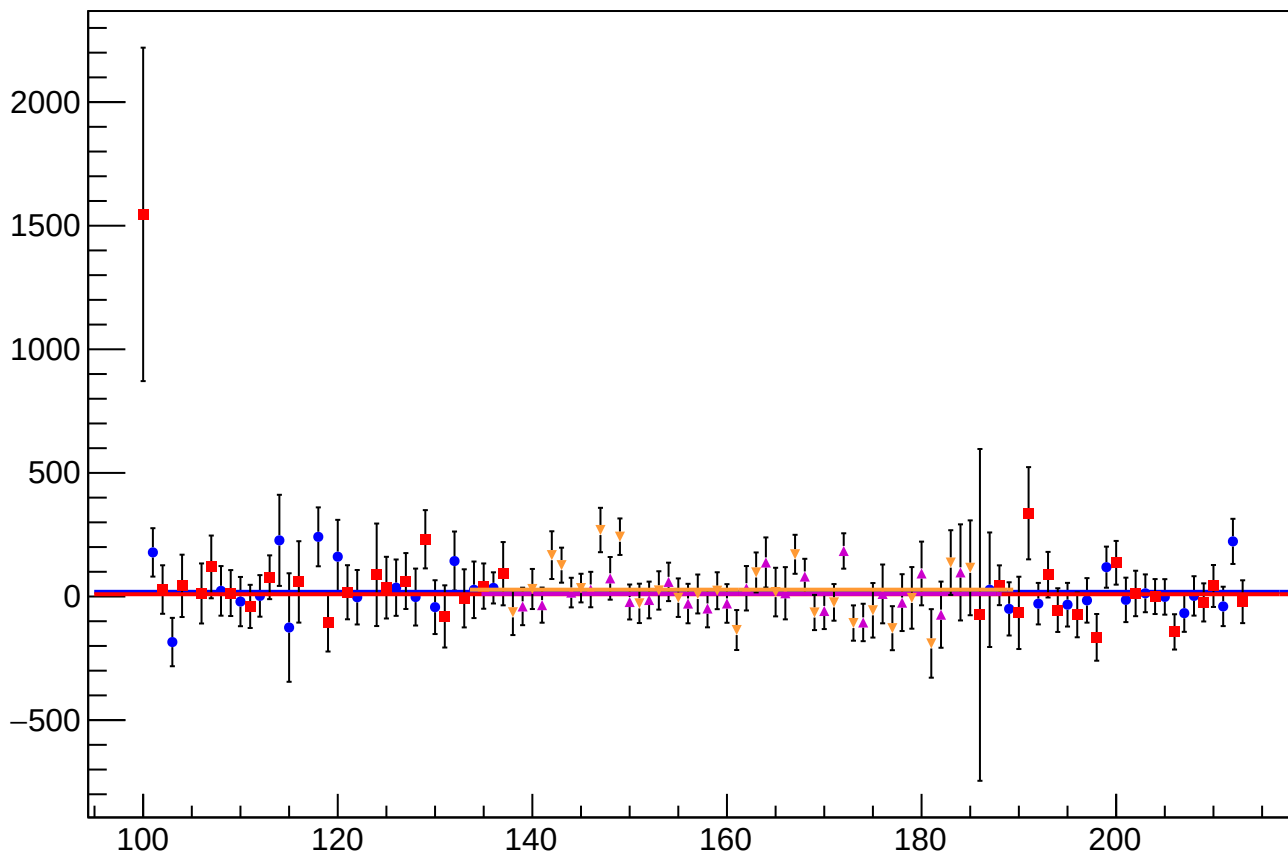
Left In: 359.350+/-0.060 χ^2/NDF : 519762.7/22

+ sign 359.185+/-0.043 χ^2/NDF : 2991220.1/53

All: 357.772+/-0.030 χ^2/NDF : 6695727.2/110

- sign 356.387+/-0.043 χ^2/NDF : 3702362.0/56

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 18.955 ± 17.747 χ^2/NDF : 24.6/28

Left Out: 27.627 ± 16.742 χ^2/NDF : 42.4/24

Right Out: 9.209 ± 17.637 χ^2/NDF : 29.3/33

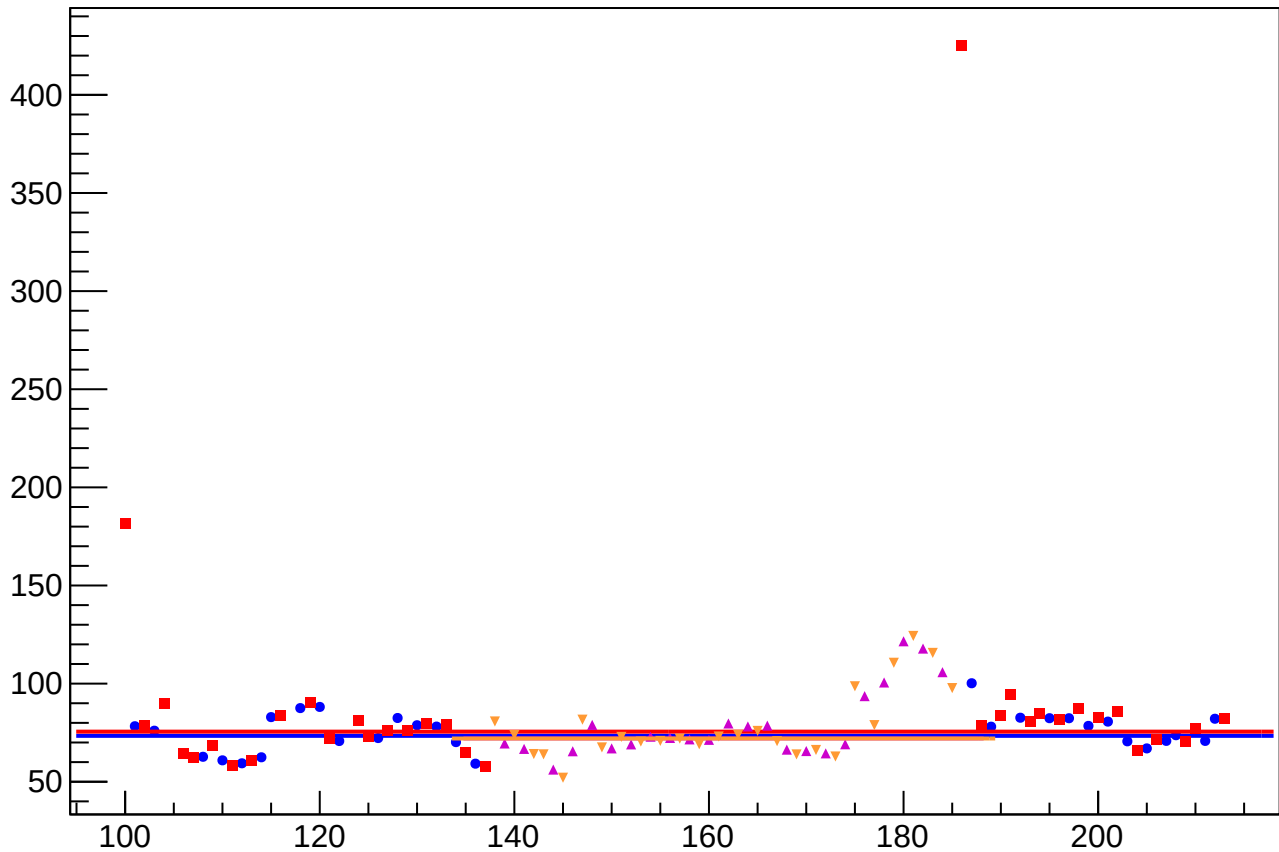
Left In: 10.521 ± 17.225 χ^2/NDF : 16.1/22

+ sign 23.543 ± 12.178 χ^2/NDF : 67.1/53

All: 16.793 ± 8.662 χ^2/NDF : 113.1/110

- sign 9.880 ± 12.323 χ^2/NDF : 45.4/56

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.393 $\pm$ 0.013 χ^2 /NDF: 456062.9/28

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269471.8/24

Right Out: 75.532 $\pm$ 0.012 χ^2 /NDF: 1117045.8/33

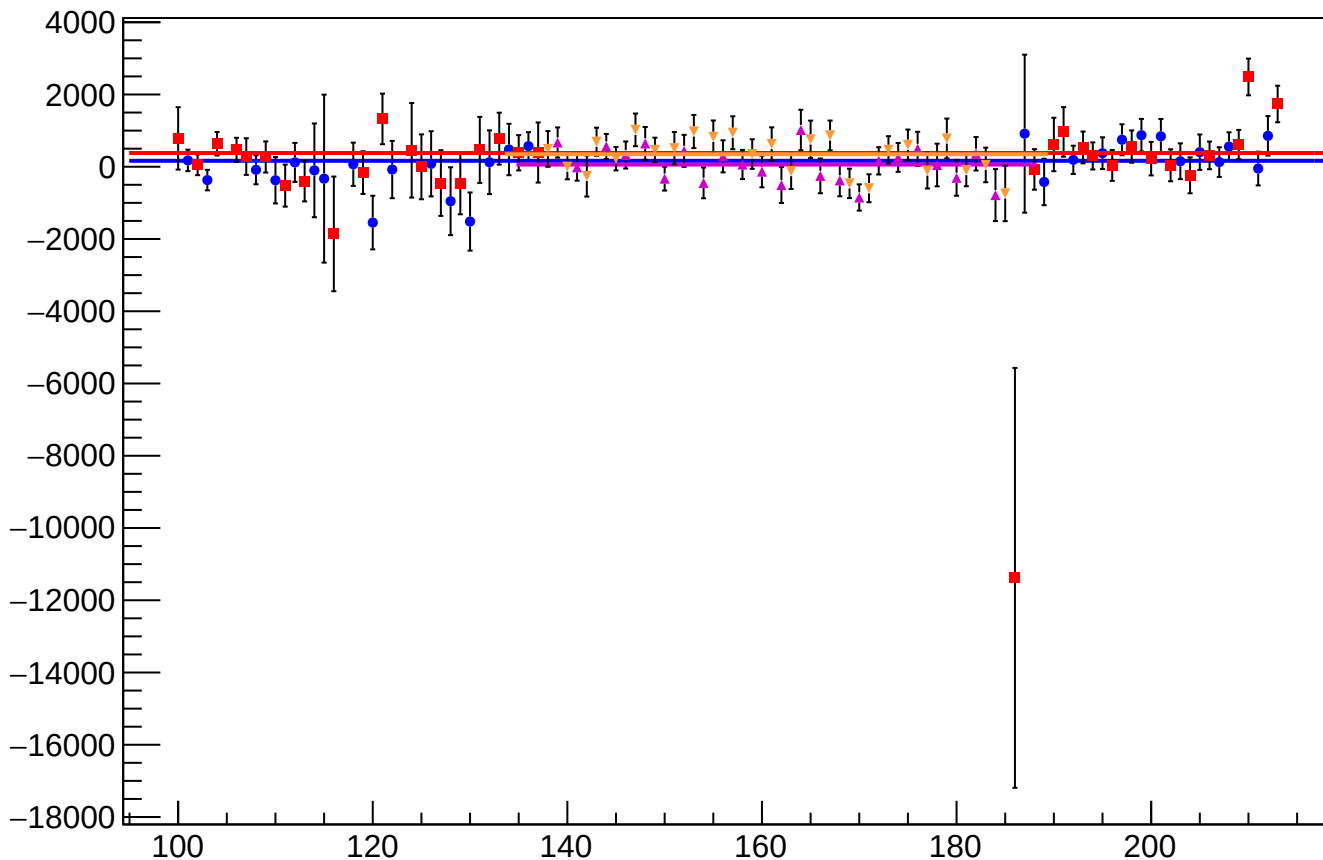
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058857.2/22

+ sign 72.677 $\pm$ 0.009 χ^2 /NDF: 1731678.5/53

All: 73.218 $\pm$ 0.006 χ^2 /NDF: 3954497.1/110

- sign 73.771 $\pm$ 0.009 χ^2 /NDF: 2214844.1/56

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 164.757 $\pm$ 93.604 χ^2 /NDF: 27.8/28

Left Out: 345.973 $\pm$ 86.822 χ^2 /NDF: 28.9/24

Right Out: 380.470 $\pm$ 87.645 χ^2 /NDF: 47.1/33

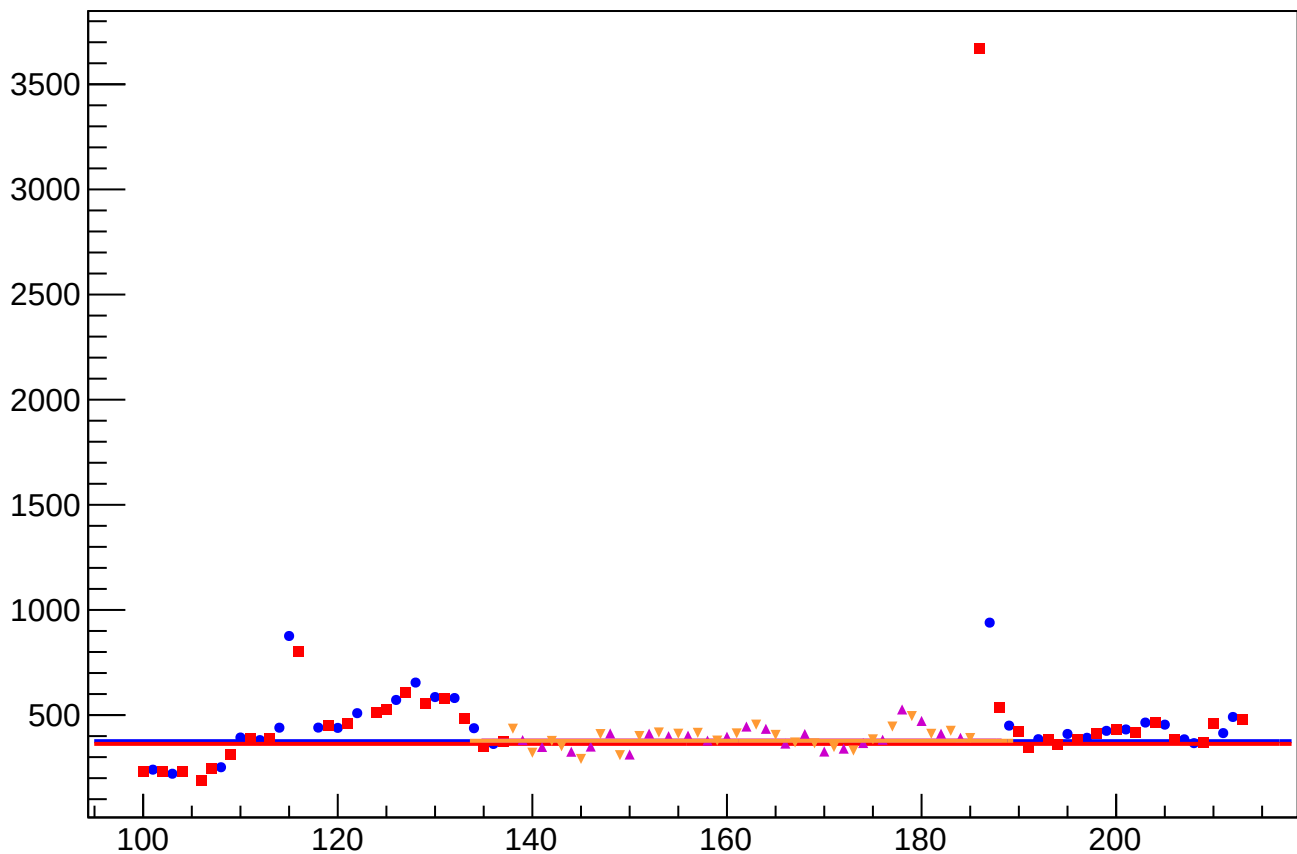
Left In: 59.908 $\pm$ 89.411 χ^2 /NDF: 25.8/22

+ sign 262.167 $\pm$ 63.655 χ^2 /NDF: 58.7/53

All: 242.449 $\pm$ 44.630 χ^2 /NDF: 138.4/110

- sign 223.386 $\pm$ 62.590 χ^2 /NDF: 79.5/56

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 375.893+/-0.066 χ^2/NDF : 2371024.3/28

Left Out: 377.797+/-0.061 χ^2/NDF : 636714.9/24

+ sign 376.916+/-0.045 χ^2/NDF : 3008183.7/53

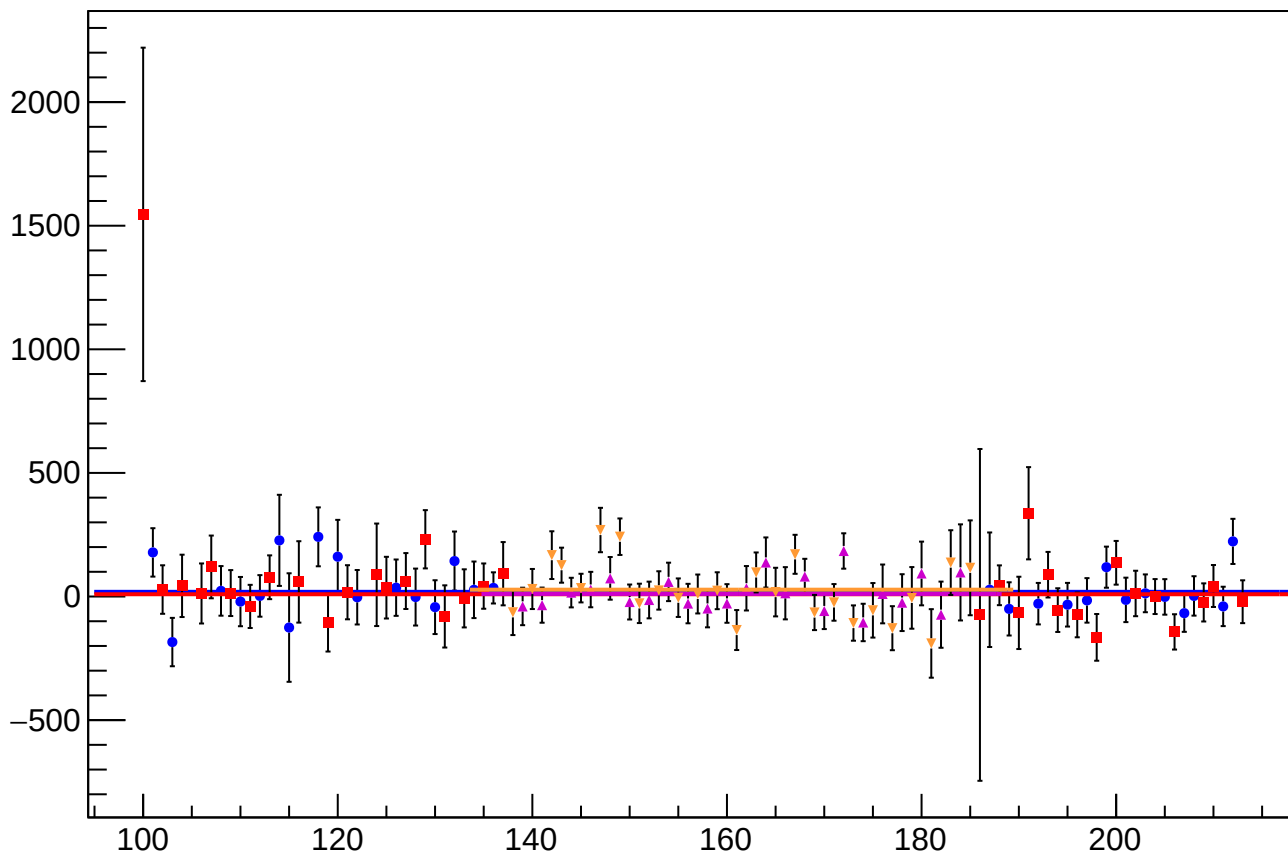
Right Out: 363.051+/-0.062 χ^2/NDF : 3460375.0/33

All: 373.808+/-0.032 χ^2/NDF : 7037546.2/110

- sign 370.803+/-0.044 χ^2/NDF : 4019981.9/56

Left In: 378.869+/-0.063 χ^2/NDF : 527685.1/22

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 18.955 ± 17.747 χ^2/NDF : 24.6/28

Left Out: 27.626 ± 16.742 χ^2/NDF : 42.4/24

Right Out: 9.208 ± 17.637 χ^2/NDF : 29.3/33

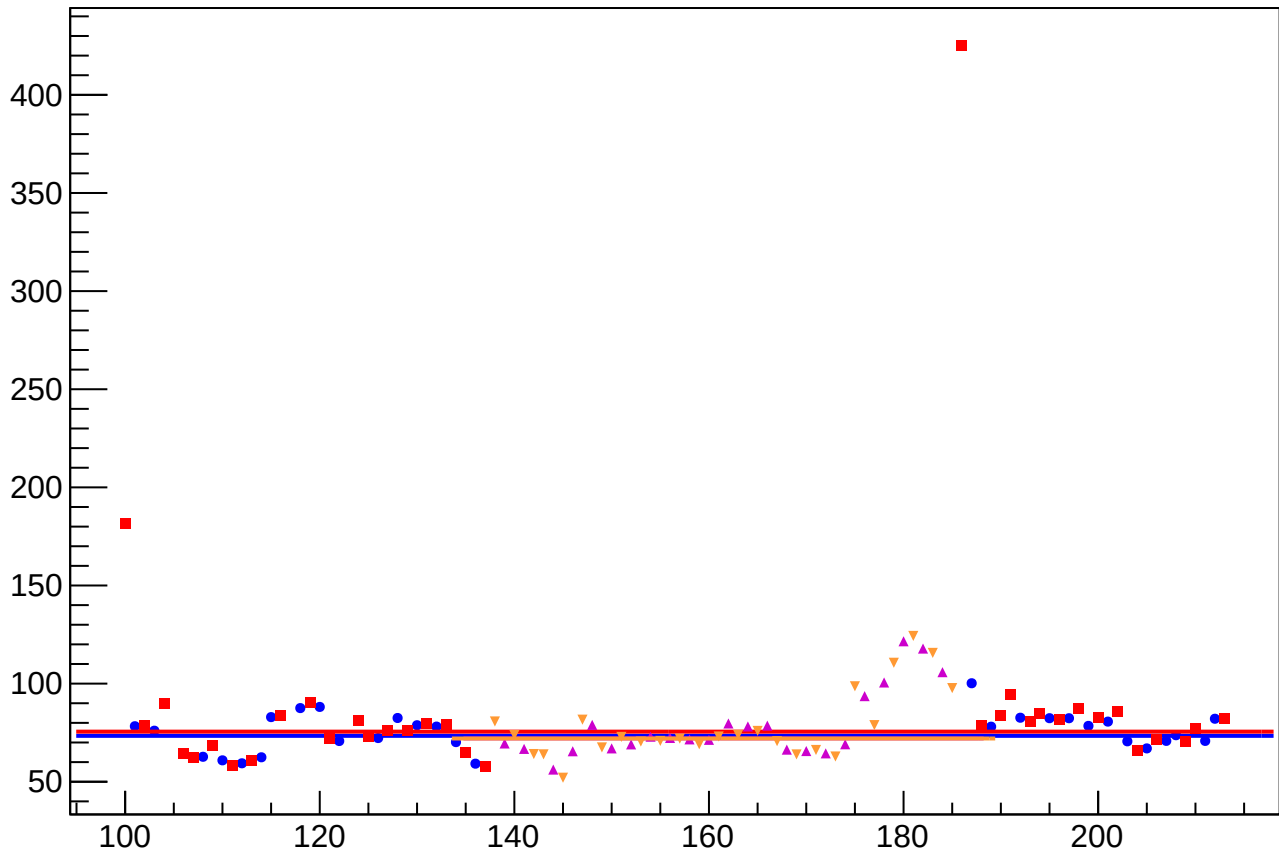
Left In: 10.521 ± 17.225 χ^2/NDF : 16.1/22

+ sign 23.543 ± 12.178 χ^2/NDF : 67.1/53

All: 16.792 ± 8.662 χ^2/NDF : 113.1/110

- sign 9.880 ± 12.323 χ^2/NDF : 45.4/56

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.393 $\pm$ 0.013 χ^2 /NDF: 456058.5/28

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269479.1/24

Right Out: 75.532 $\pm$ 0.012 χ^2 /NDF: 1117043.8/33

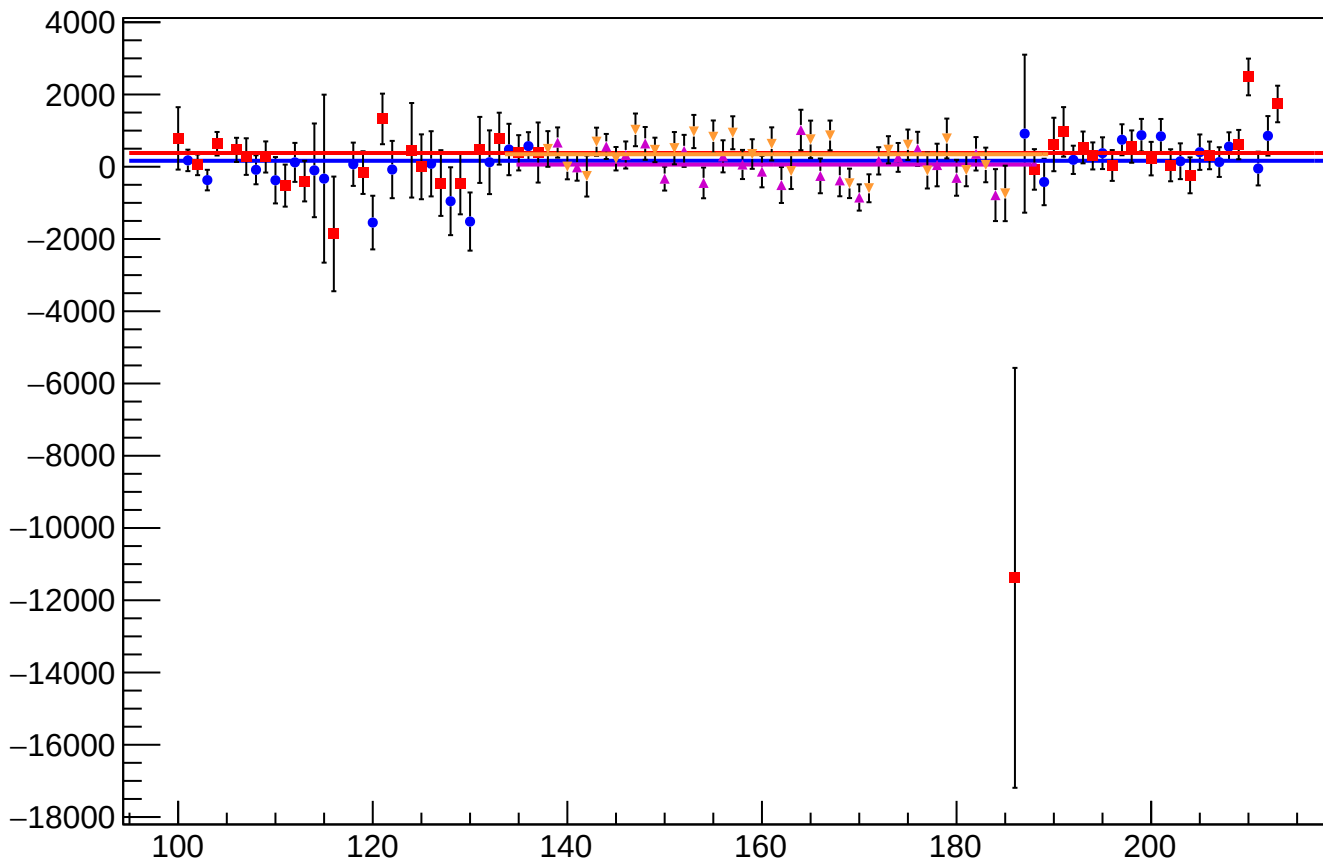
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058847.4/22

+ sign 72.677 $\pm$ 0.009 χ^2 /NDF: 1731681.6/53

All: 73.218 $\pm$ 0.006 χ^2 /NDF: 3954487.2/110

- sign 73.771 $\pm$ 0.009 χ^2 /NDF: 2214831.5/56

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: 164.757 $\pm$ 93.604 χ^2 /NDF: 27.8/28

Left Out: 345.972 $\pm$ 86.822 χ^2 /NDF: 28.9/24

Right Out: 380.470 $\pm$ 87.645 χ^2 /NDF: 47.1/33

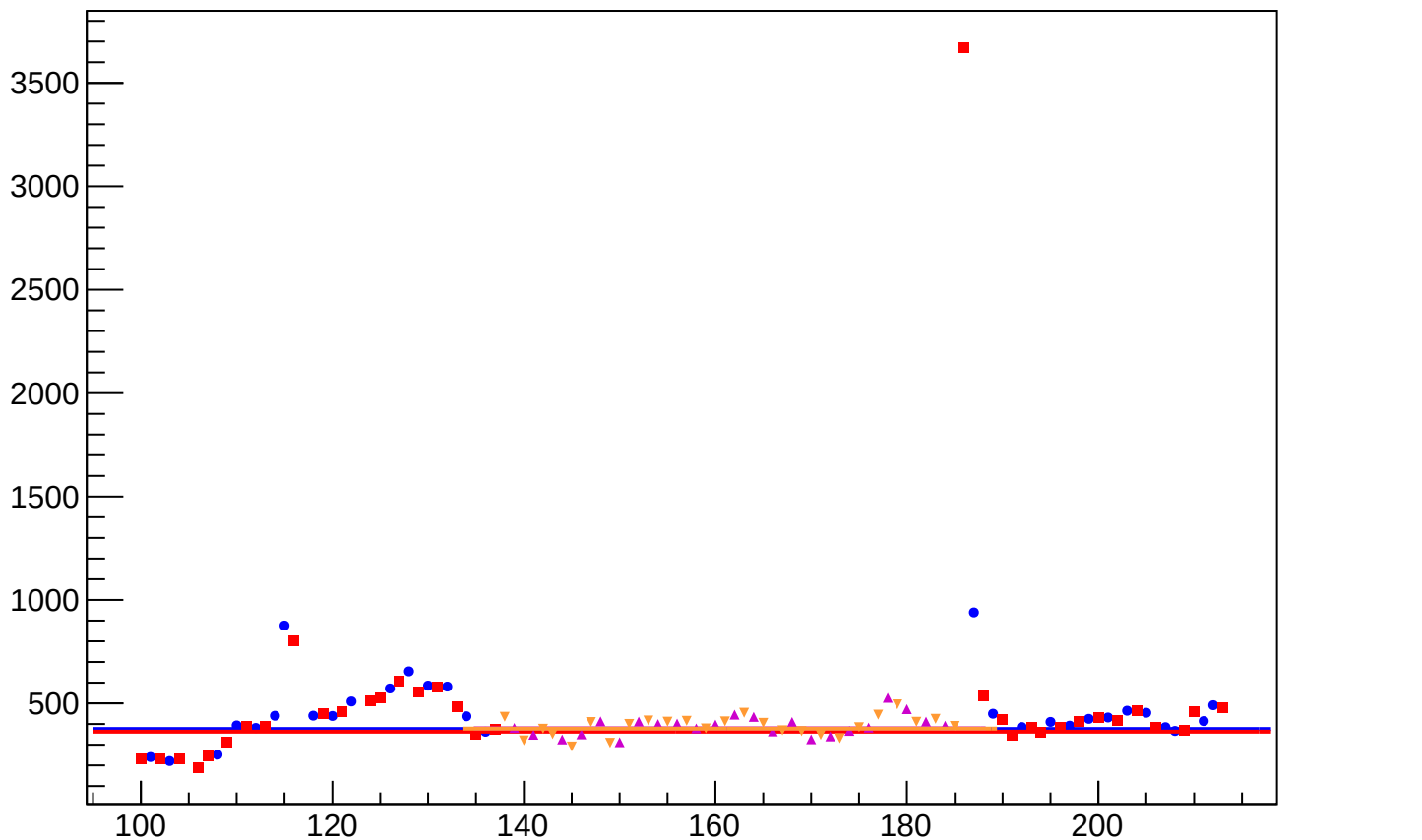
Left In: 59.907 $\pm$ 89.411 χ^2 /NDF: 25.8/22

+ sign 262.166 $\pm$ 63.655 χ^2 /NDF: 58.7/53

All: 242.449 $\pm$ 44.630 χ^2 /NDF: 138.4/110

- sign 223.385 $\pm$ 62.590 χ^2 /NDF: 79.5/56

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 375.893 $\pm$ 0.066 χ^2 /NDF: 2371013.6/28

Left Out: 377.796 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

Right Out: 363.051 $\pm$ 0.062 χ^2 /NDF: 3460359.7/33

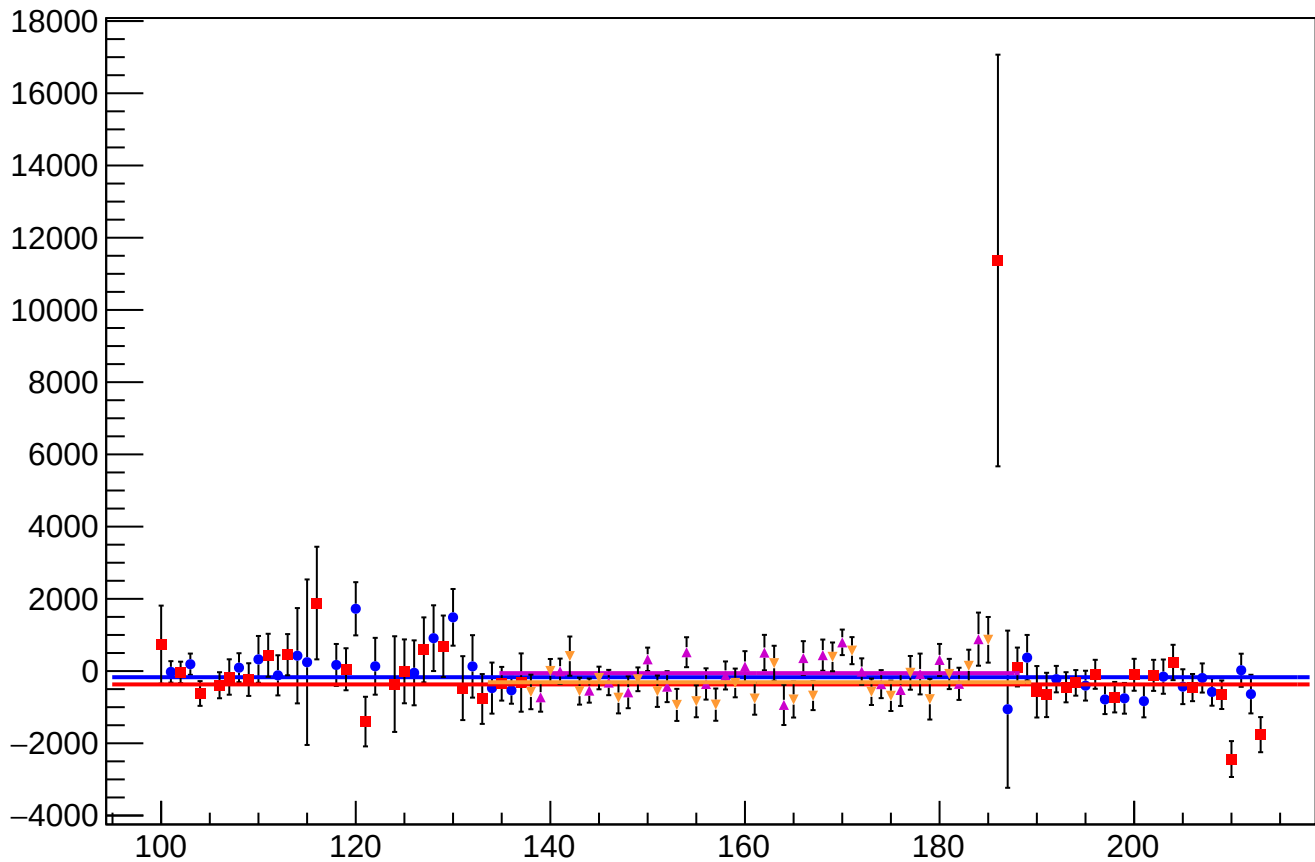
Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527680.9/22

+ sign 376.916 $\pm$ 0.045 χ^2 /NDF: 3008172.8/53

All: 373.808 $\pm$ 0.032 χ^2 /NDF: 7037515.4/110

- sign 370.802 $\pm$ 0.044 χ^2 /NDF: 4019961.8/56

asym_sam_37_48_dd_mean vs Slug



Right In: -169.959 ± 91.612 χ^2/NDF : 27.2/28

Left Out: -309.330 ± 83.706 χ^2/NDF : 30.0/24

Right Out: -369.450 ± 86.755 χ^2/NDF : 50.0/33

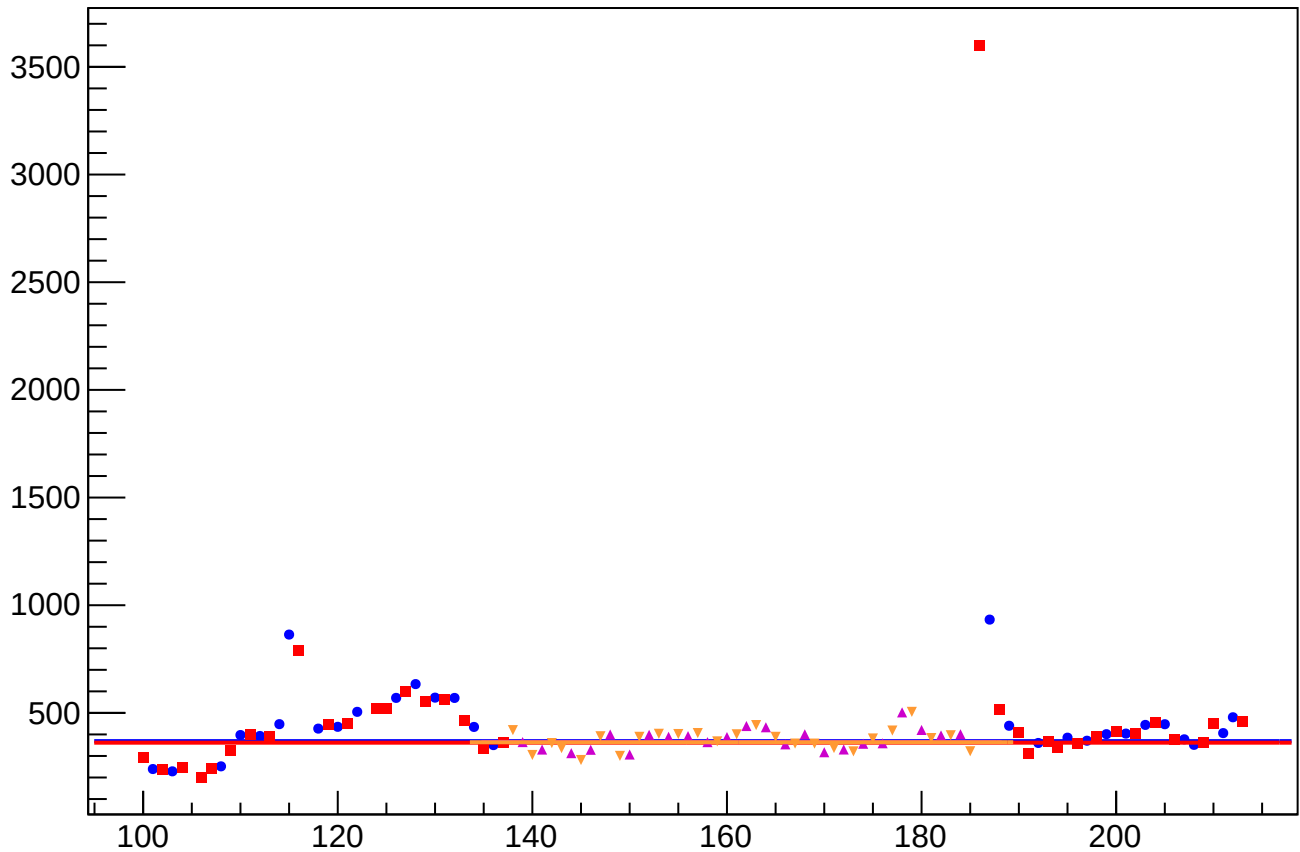
Left In: -57.543 ± 86.225 χ^2/NDF : 28.0/22

+ sign -245.917 ± 61.795 χ^2/NDF : 58.5/53

All: -229.055 ± 43.468 χ^2/NDF : 143.1/110

- sign -212.540 ± 61.157 χ^2/NDF : 84.4/56

asym_sam_37_48_dd_rms vs Slug



Right In: 368.985 $\pm$ 0.065 χ^2 /NDF: 2136230.8/28

Left Out: 363.714 $\pm$ 0.059 χ^2 /NDF:669244.7/24

Right Out: 361.699 $\pm$ 0.061 χ^2 /NDF: 2964392.3/33

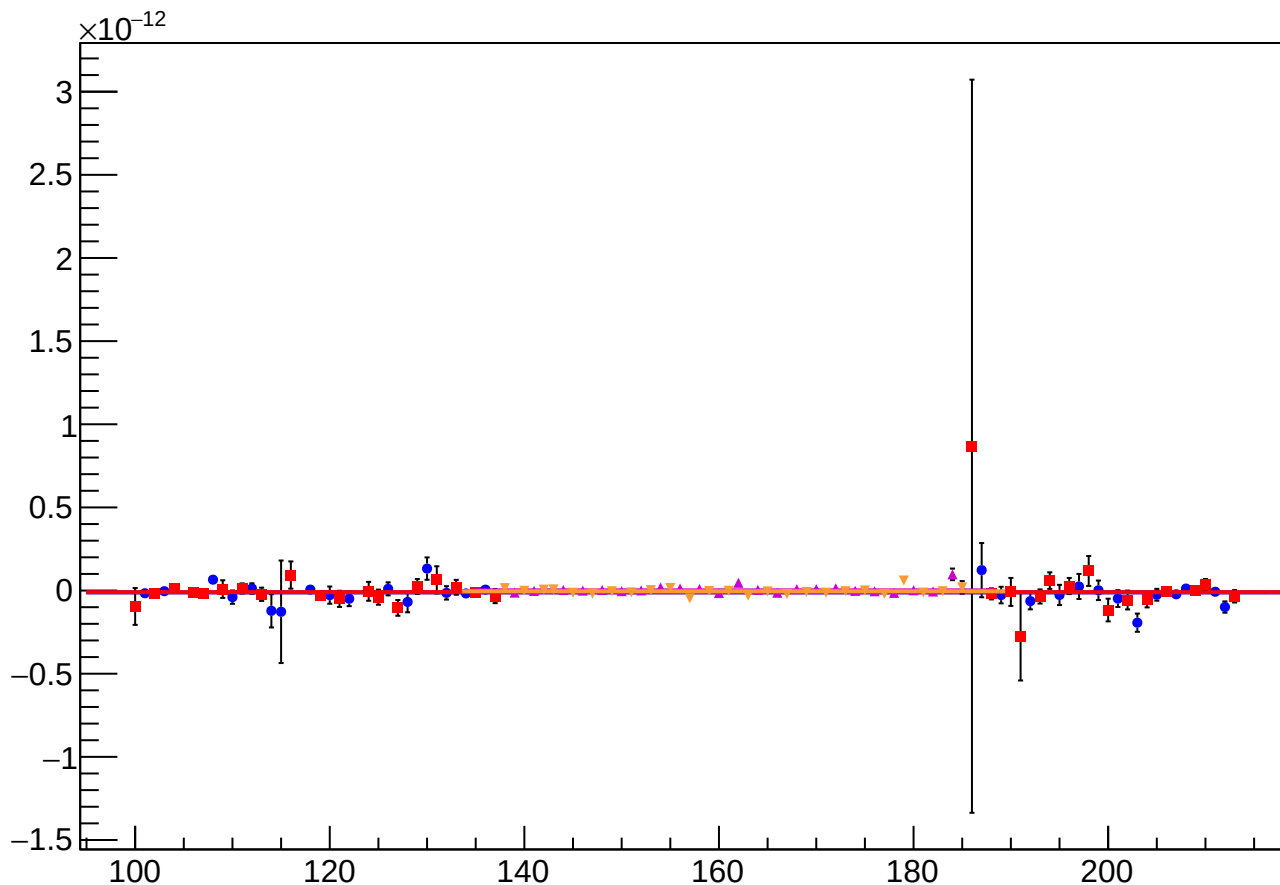
Left In: 365.324 $\pm$ 0.061 χ^2 /NDF:509496.4/22

+ sign 366.112 $\pm$ 0.044 χ^2 /NDF: 2809083.9/53

All: 364.804 $\pm$ 0.031 χ^2 /NDF: 6286504.5/110

- sign 363.522 $\pm$ 0.043 χ^2 /NDF: 3475645.7/56

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2 /NDF: 21.9/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 25.6/33

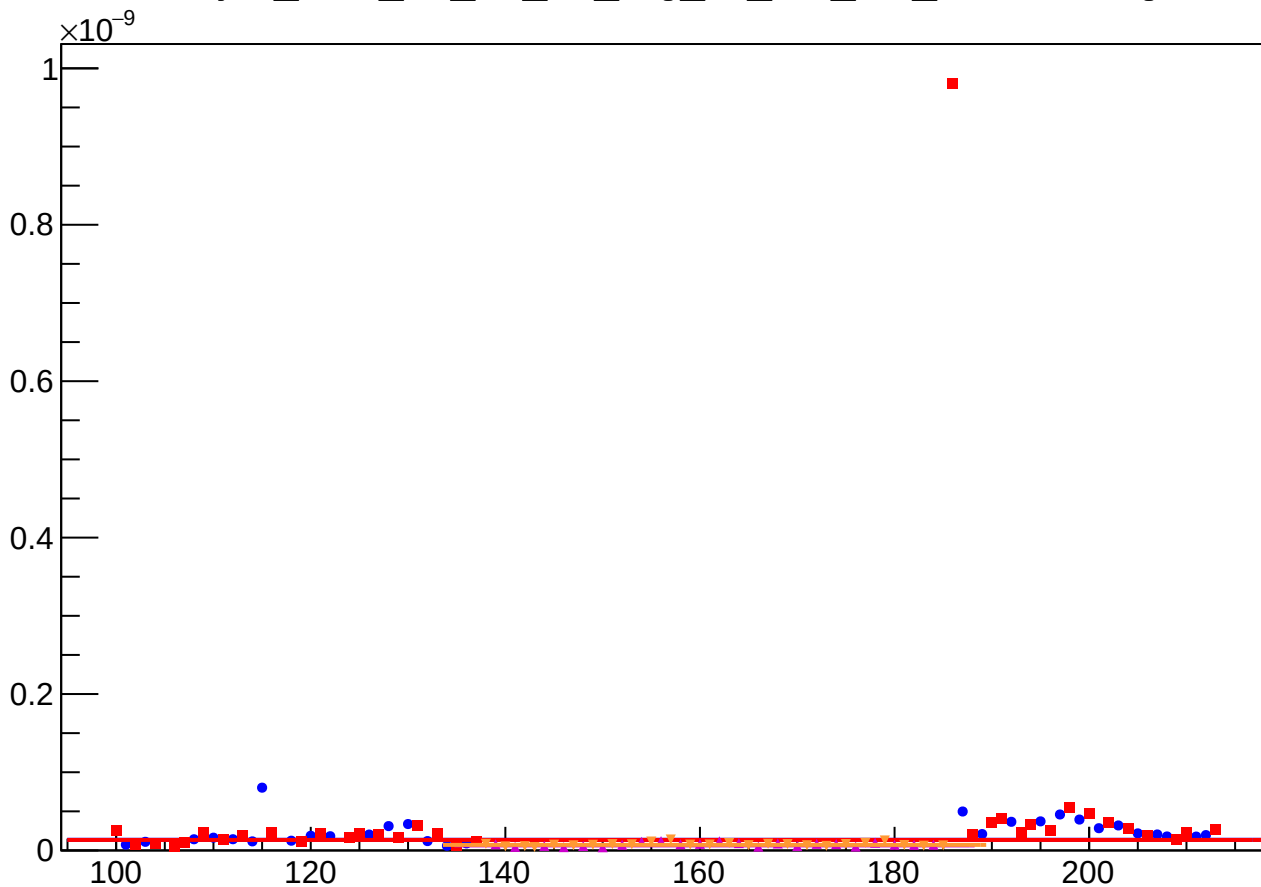
Left In: 0.000+/-0.000 χ^2 /NDF: 21.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 62.3/53

All: -0.000+/-0.000 χ^2 /NDF: 114.7/110

- sign -0.000+/-0.000 χ^2 /NDF: 50.6/56

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4066714.8/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:872904.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5120415.3/33

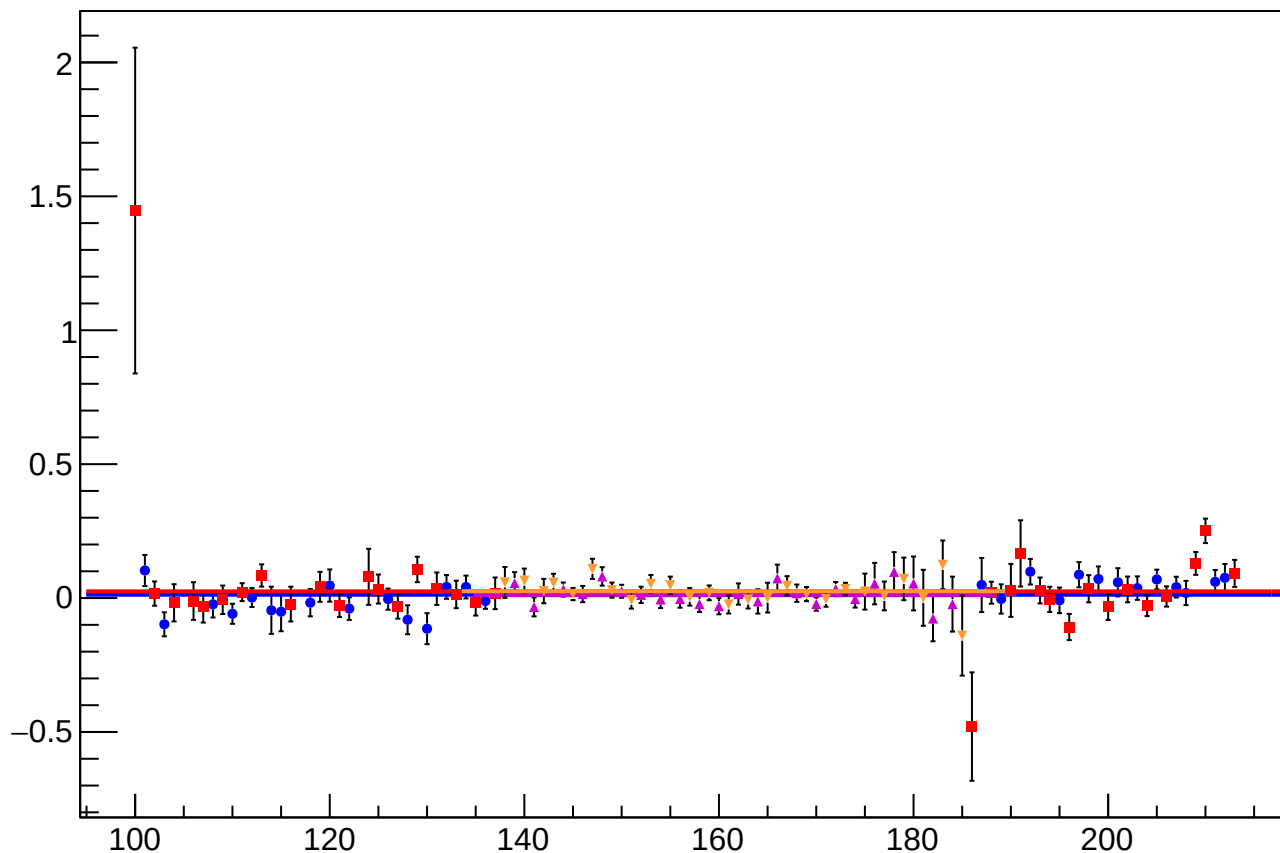
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1216388.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7133248.7/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 16146082.8/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8957830.3/56

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 ± 0.009 χ^2/NDF : 40.1/28

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.025 ± 0.009 χ^2/NDF : 68.5/33

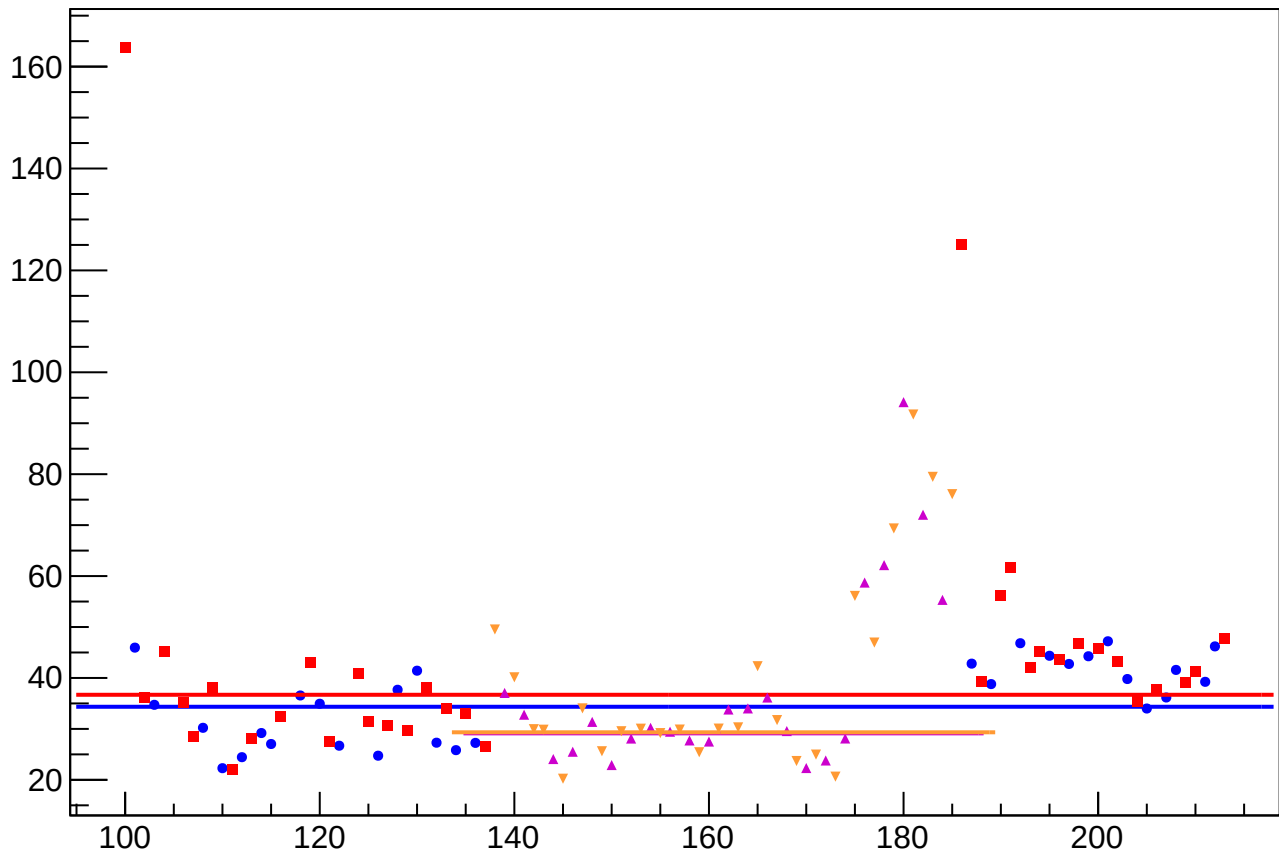
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.020 ± 0.005 χ^2/NDF : 58.8/53

All: 0.018 ± 0.004 χ^2/NDF : 148.1/110

- sign 0.017 ± 0.006 χ^2/NDF : 89.0/56

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.346 $\pm$ 0.006 χ^2 /NDF: 1699555.6/28

Left Out: 29.335 $\pm$ 0.005 χ^2 /NDF: 3874774.5/24

Right Out: 36.698 $\pm$ 0.006 χ^2 /NDF: 1916323.0/33

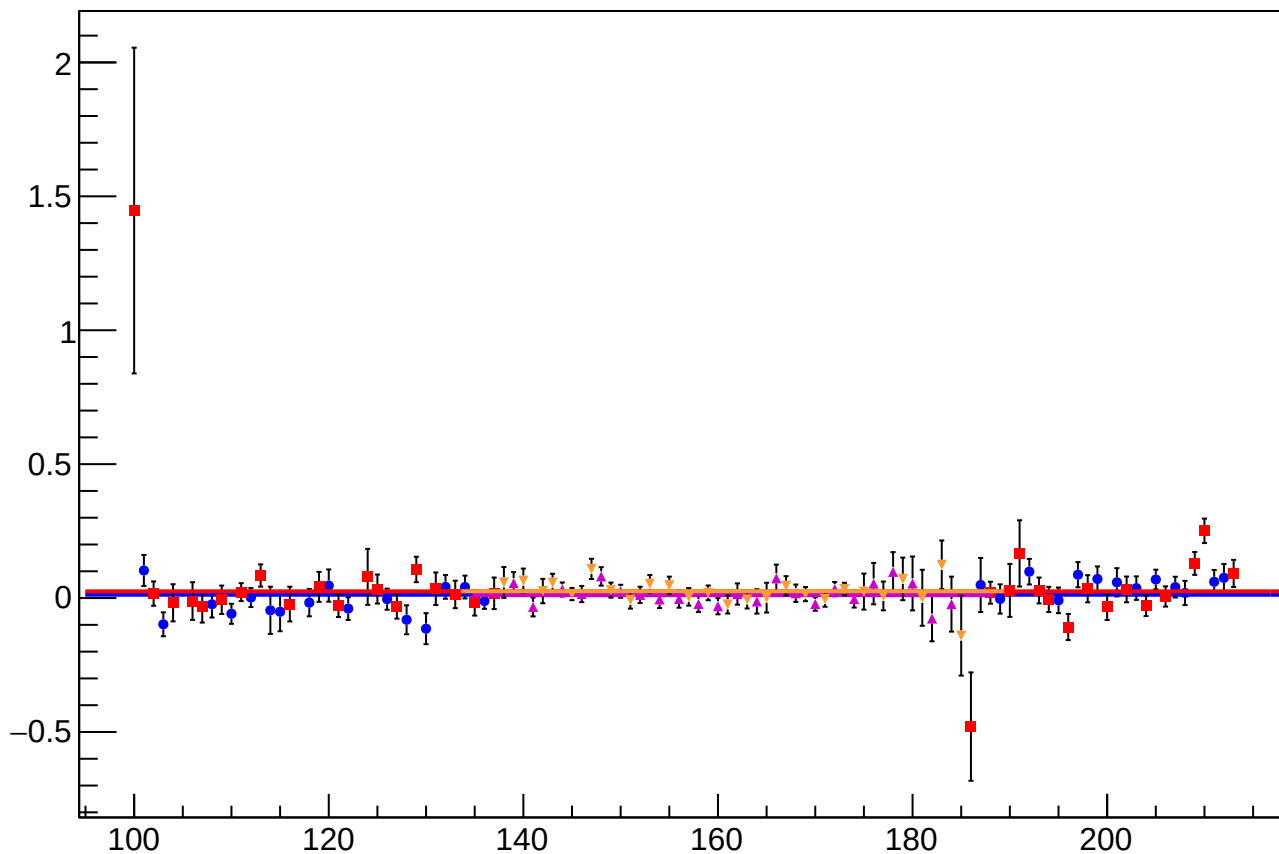
Left In: 29.125 $\pm$ 0.005 χ^2 /NDF: 2839115.6/22

+ sign 31.404 $\pm$ 0.004 χ^2 /NDF: 5976836.6/53

All: 31.802 $\pm$ 0.003 χ^2 /NDF: 11633350.4/110

- sign 32.216 $\pm$ 0.004 χ^2 /NDF: 5635147.3/56

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 ± 0.009 χ^2/NDF : 40.1/28

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.025 ± 0.009 χ^2/NDF : 68.5/33

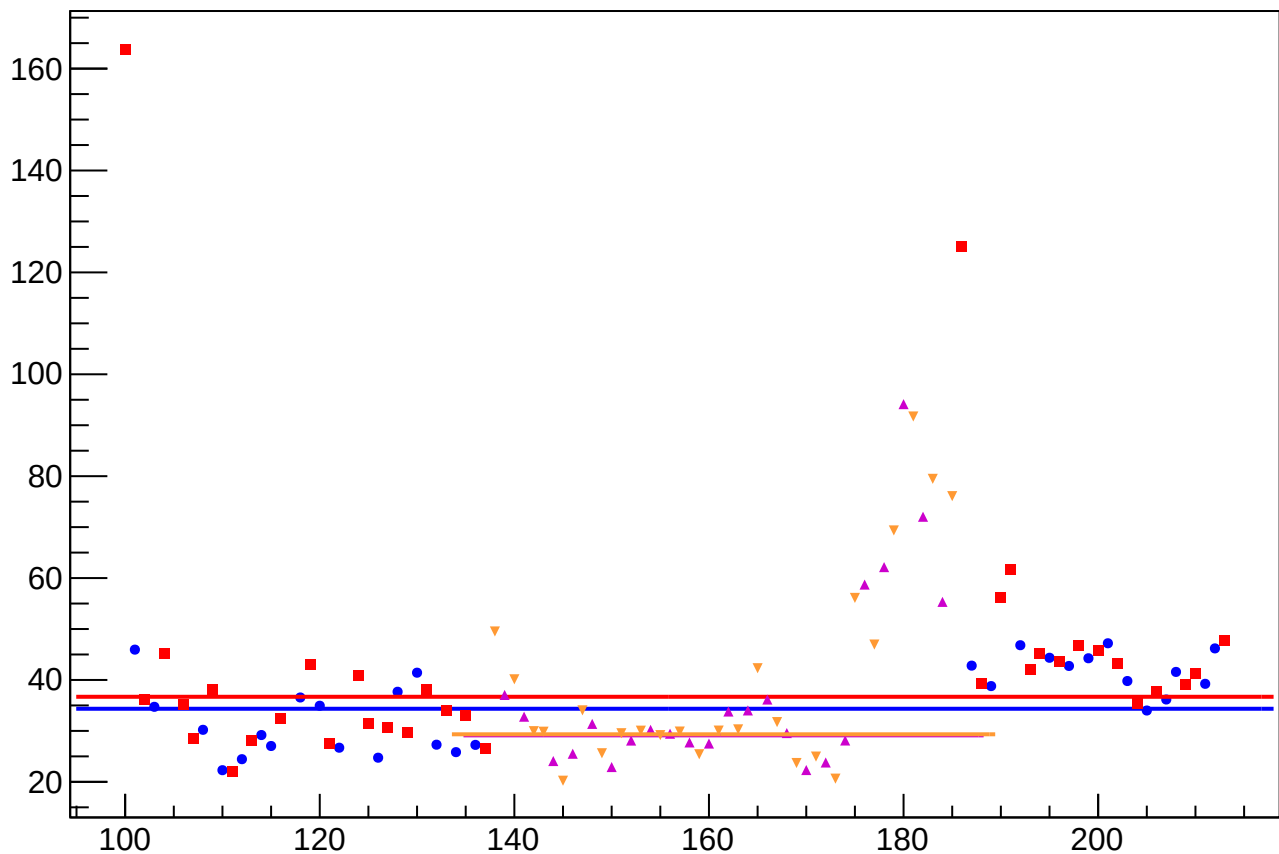
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.020 ± 0.005 χ^2/NDF : 58.8/53

All: 0.018 ± 0.004 χ^2/NDF : 148.1/110

- sign 0.017 ± 0.006 χ^2/NDF : 89.0/56

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.346 $\pm$ 0.006 χ^2 /NDF: 1699555.6/28

Left Out: 29.335 $\pm$ 0.005 χ^2 /NDF: 3874774.5/24

Right Out: 36.698 $\pm$ 0.006 χ^2 /NDF: 1916323.0/33

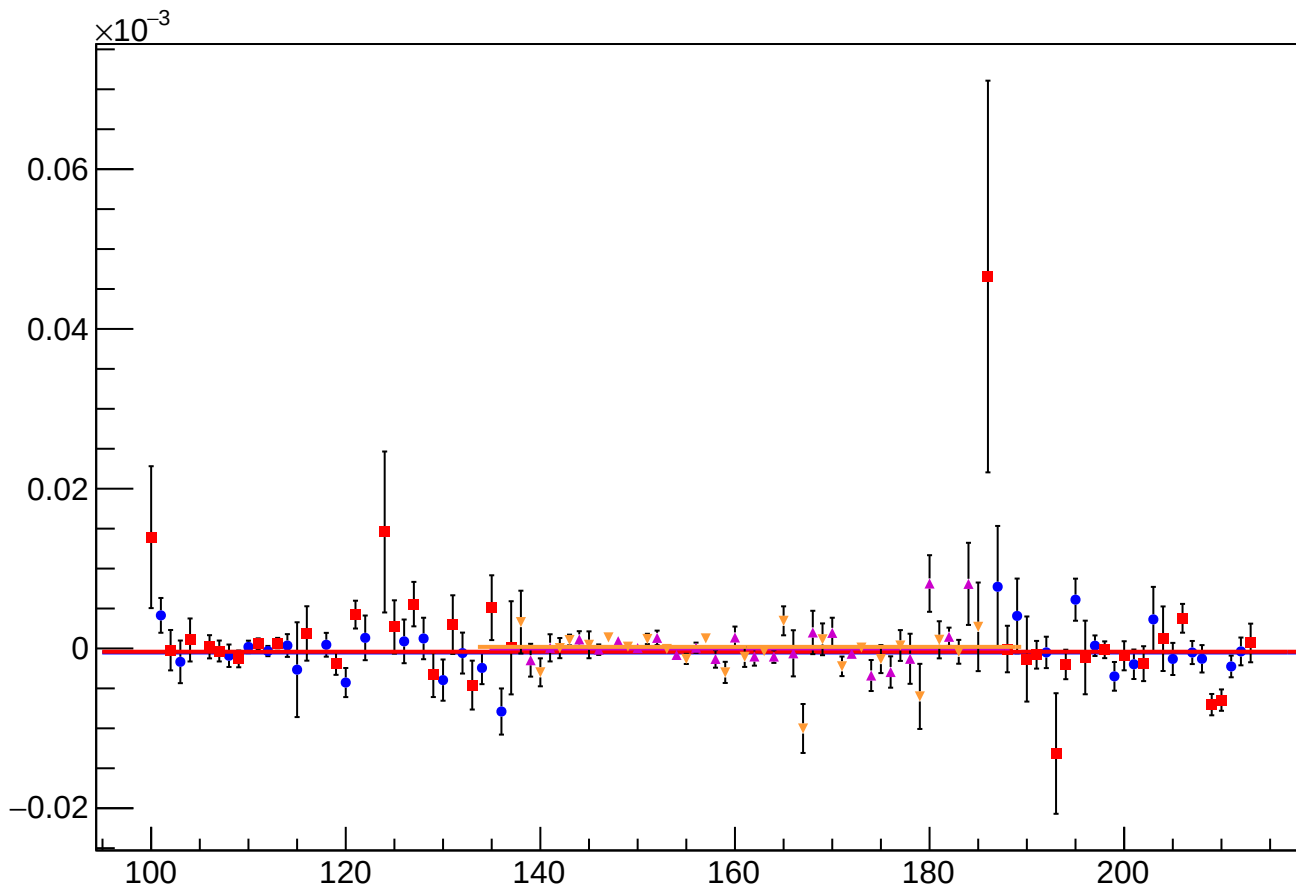
Left In: 29.125 $\pm$ 0.005 χ^2 /NDF: 2839115.6/22

+ sign 31.404 $\pm$ 0.004 χ^2 /NDF: 5976836.6/53

All: 31.802 $\pm$ 0.003 χ^2 /NDF: 11633350.4/110

- sign 32.216 $\pm$ 0.004 χ^2 /NDF: 5635147.3/56

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 89.3/33

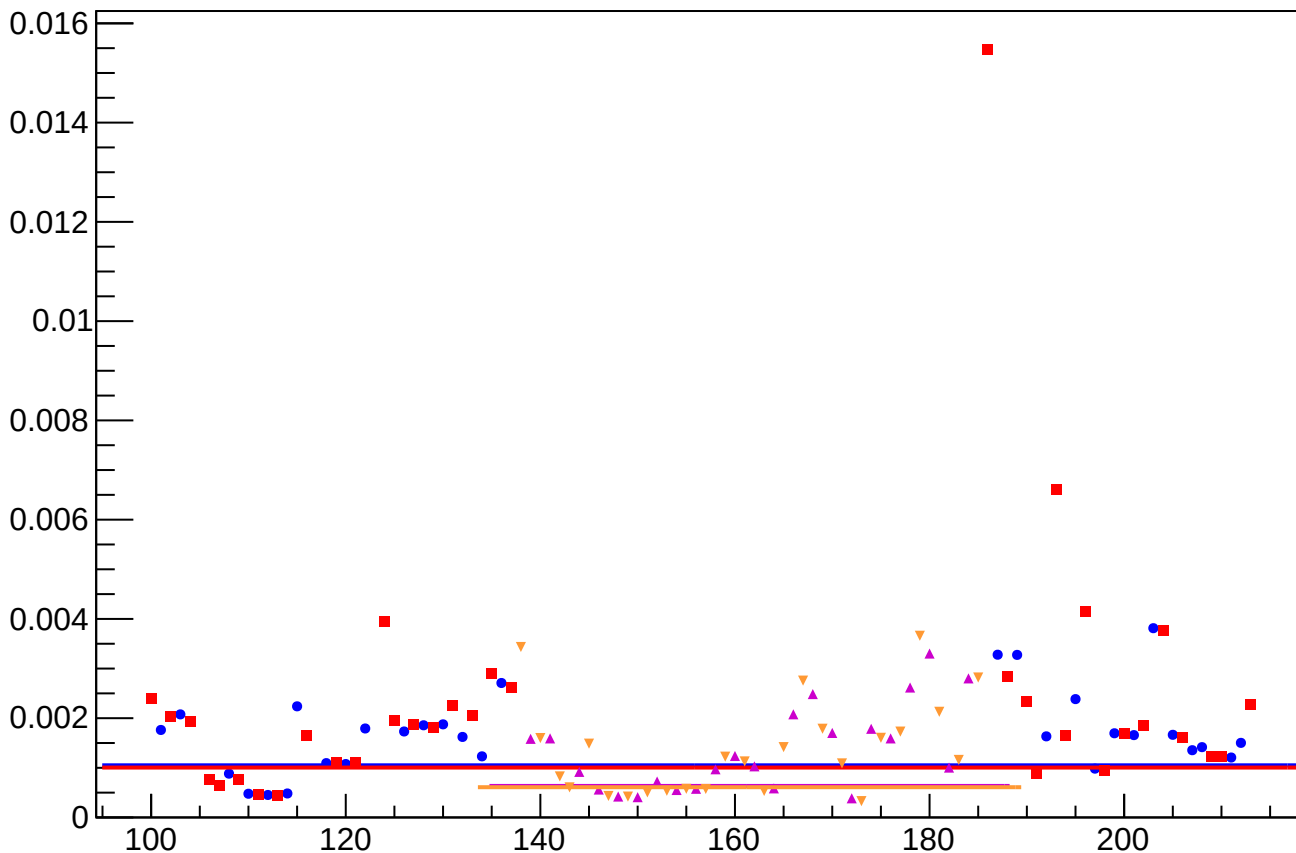
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:32.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 93.4/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 217.6/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 123.7/56

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 8436137.8/28

Left Out: 0.001+/-0.000 χ^2/NDF :10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11778999.4/33

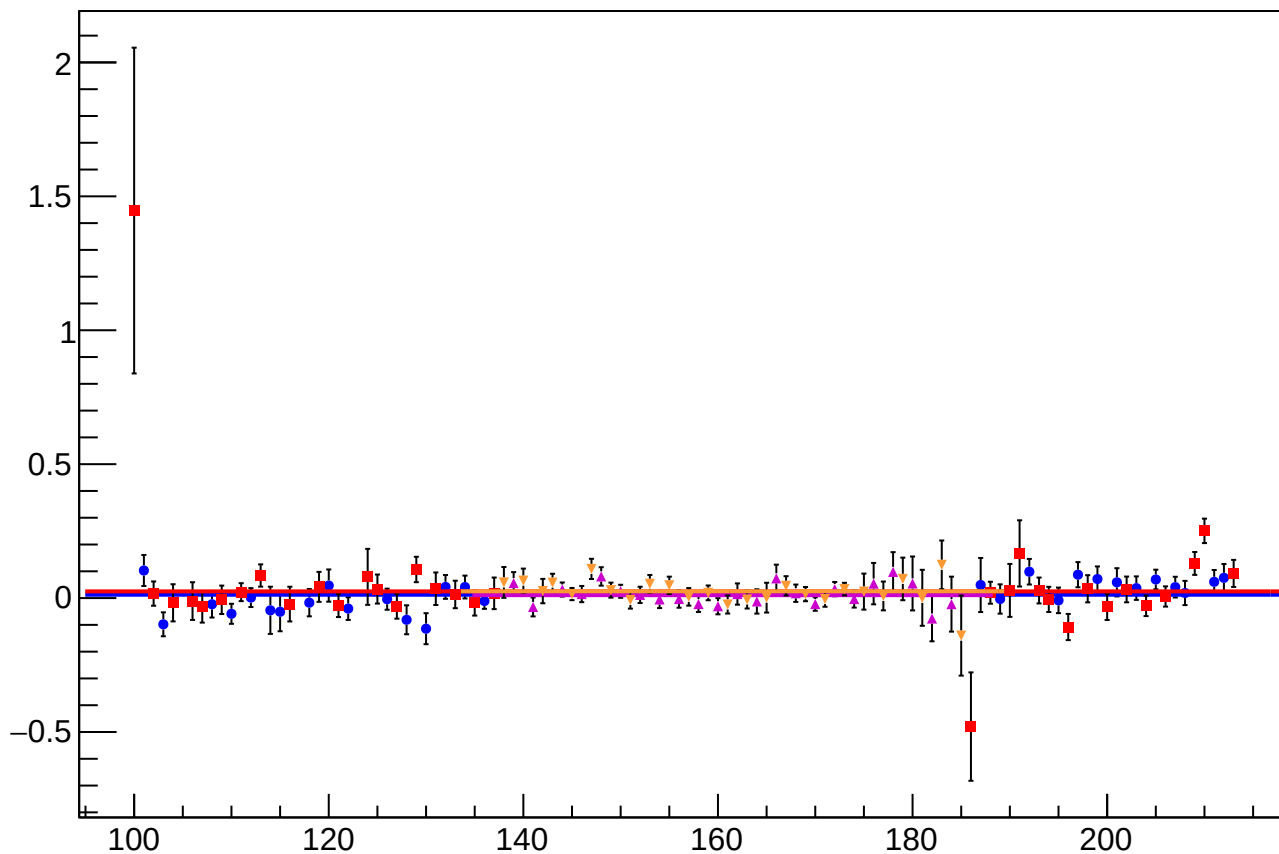
Left In: 0.001+/-0.000 χ^2/NDF :9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF : 22655360.5/53

All: 0.001+/-0.000 χ^2/NDF : 46223968.1/110

- sign 0.001+/-0.000 χ^2/NDF : 23536209.5/56

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.009 χ^2 /NDF: 40.1/28

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF:17.4/24

Right Out: 0.025 $\pm$ 0.009 χ^2 /NDF: 68.5/33

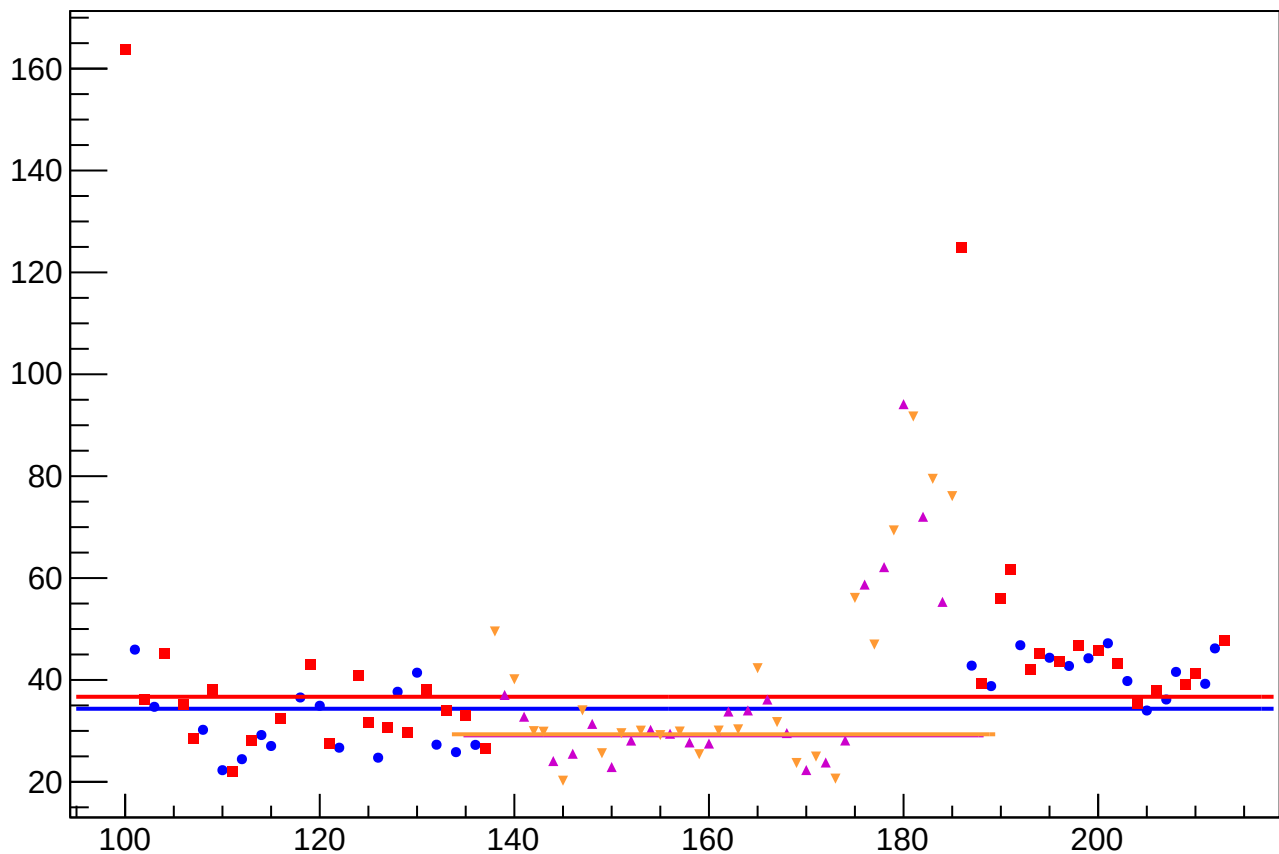
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF:19.0/22

+ sign 0.020 $\pm$ 0.005 χ^2 /NDF: 58.8/53

All: 0.018 $\pm$ 0.004 χ^2 /NDF: 148.1/110

- sign 0.017 $\pm$ 0.006 χ^2 /NDF: 89.0/56

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.346 $\pm$ 0.006 χ^2 /NDF: 1699476.9/28

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.698 $\pm$ 0.006 χ^2 /NDF: 1916200.1/33

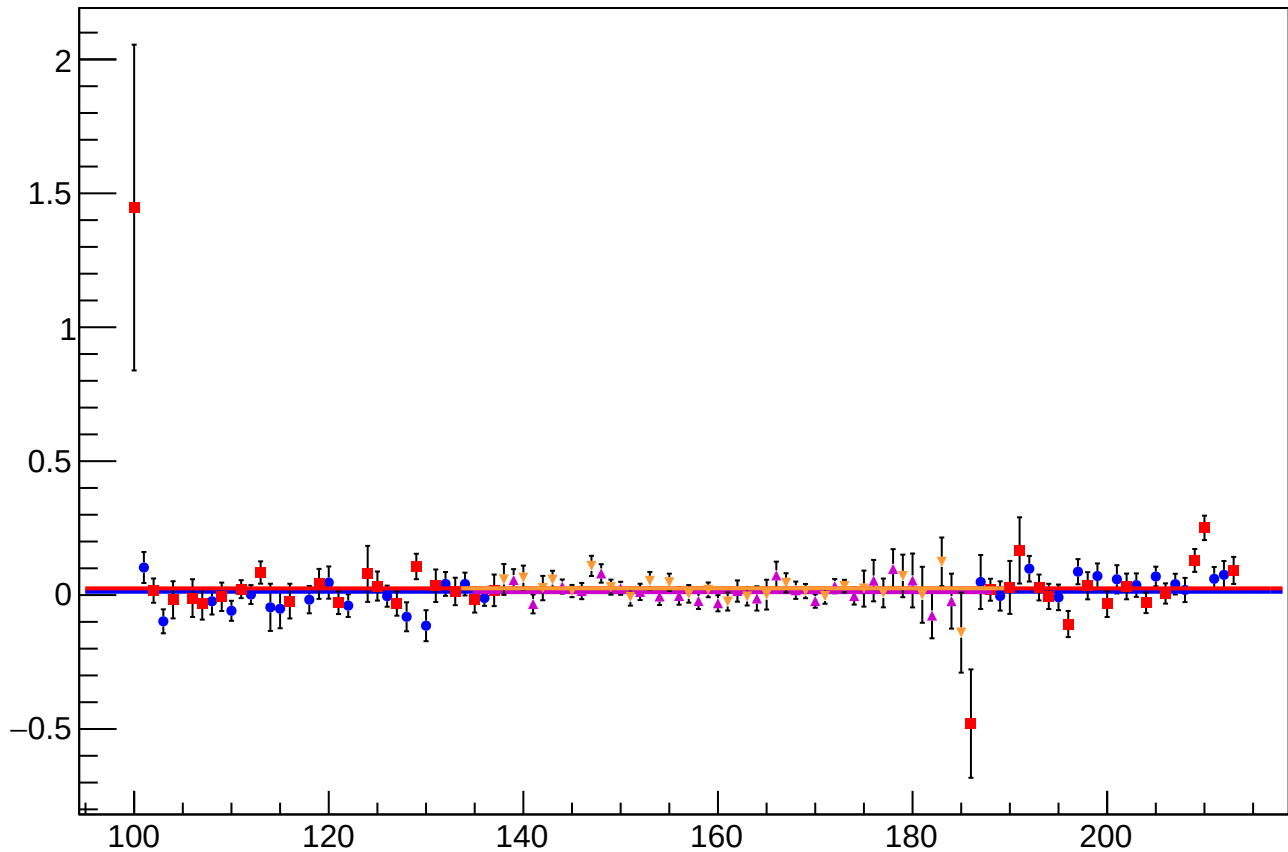
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.404 $\pm$ 0.004 χ^2 /NDF: 5976860.6/53

All: 31.802 $\pm$ 0.003 χ^2 /NDF: 11633266.3/110

- sign 32.216 $\pm$ 0.004 χ^2 /NDF: 5635037.9/56

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013 $\pm$ 0.009 χ^2 /NDF: 40.1/28

Left Out: 0.025 $\pm$ 0.007 χ^2 /NDF:17.4/24

Right Out: 0.025 $\pm$ 0.009 χ^2 /NDF: 68.5/33

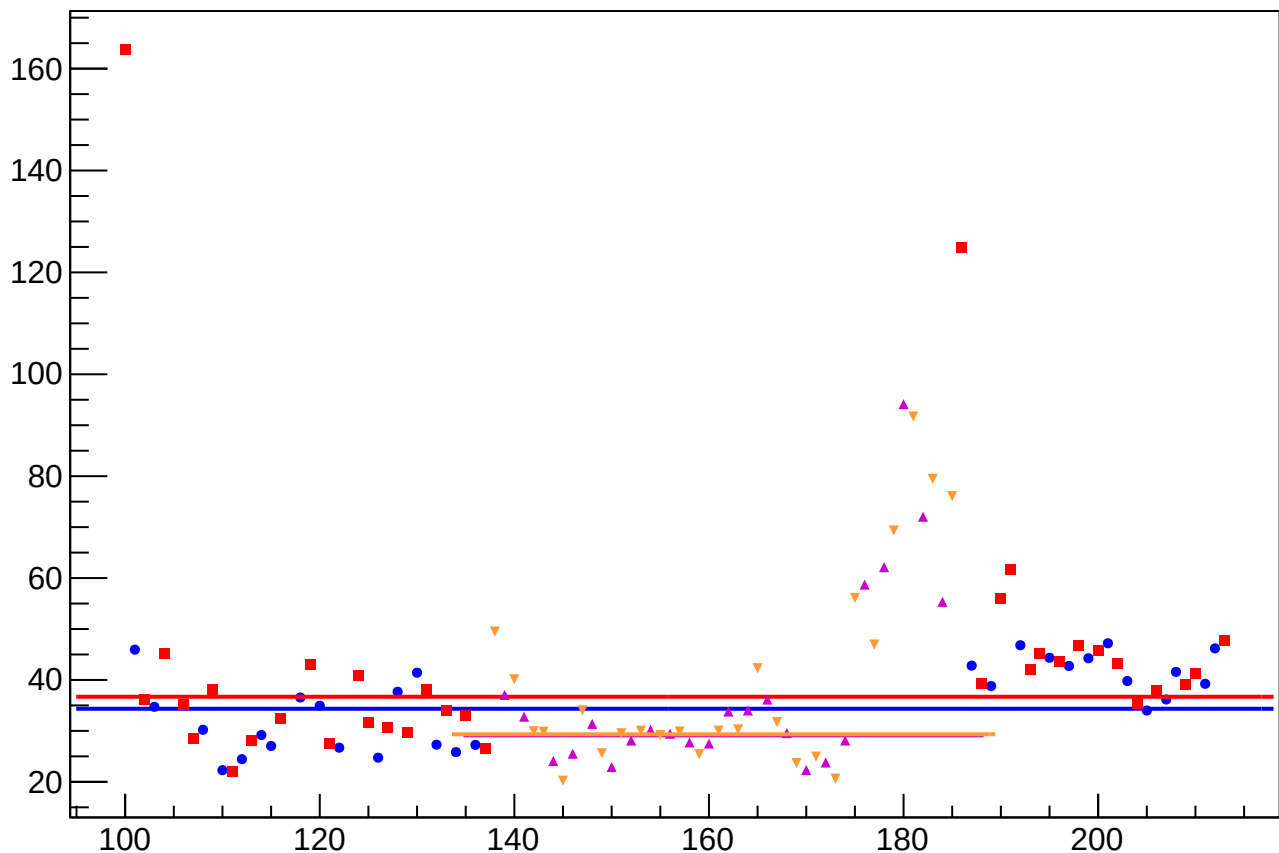
Left In: 0.011 $\pm$ 0.007 χ^2 /NDF:19.0/22

+ sign 0.020 $\pm$ 0.005 χ^2 /NDF: 58.8/53

All: 0.018 $\pm$ 0.004 χ^2 /NDF: 148.1/110

- sign 0.017 $\pm$ 0.006 χ^2 /NDF: 89.0/56

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.346 $\pm$ 0.006 χ^2 /NDF: 1699476.9/28

Left Out: 29.334 $\pm$ 0.005 χ^2 /NDF: 3874839.0/24

Right Out: 36.698 $\pm$ 0.006 χ^2 /NDF: 1916200.1/33

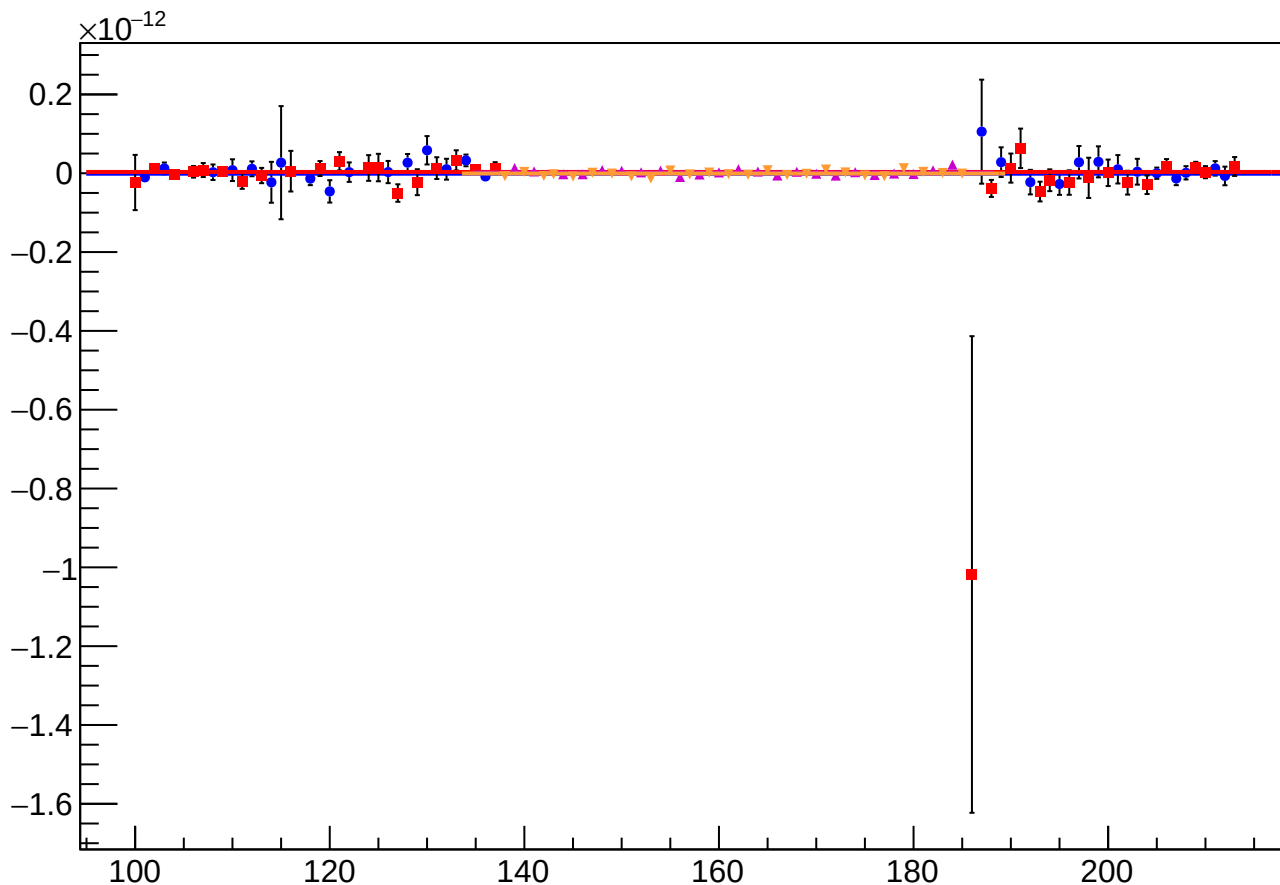
Left In: 29.124 $\pm$ 0.005 χ^2 /NDF: 2839078.4/22

+ sign 31.404 $\pm$ 0.004 χ^2 /NDF: 5976860.6/53

All: 31.802 $\pm$ 0.003 χ^2 /NDF: 11633266.3/110

- sign 32.216 $\pm$ 0.004 χ^2 /NDF: 5635037.9/56

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.9/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 31.6/33

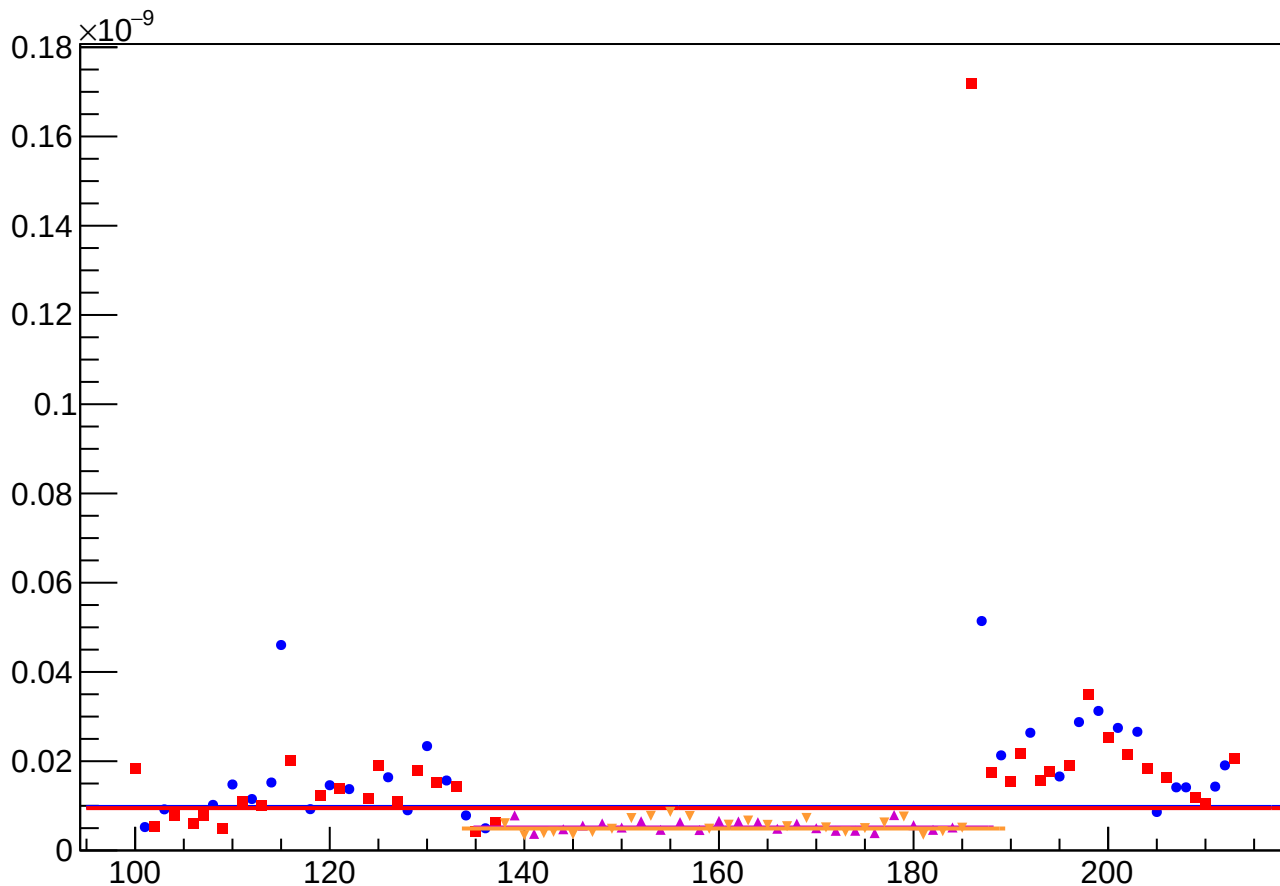
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 37.0/53

All: 0.000 ± 0.000 χ^2/NDF : 87.4/110

- sign 0.000 ± 0.000 χ^2/NDF : 48.3/56

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6472343.8/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6153340.3/33

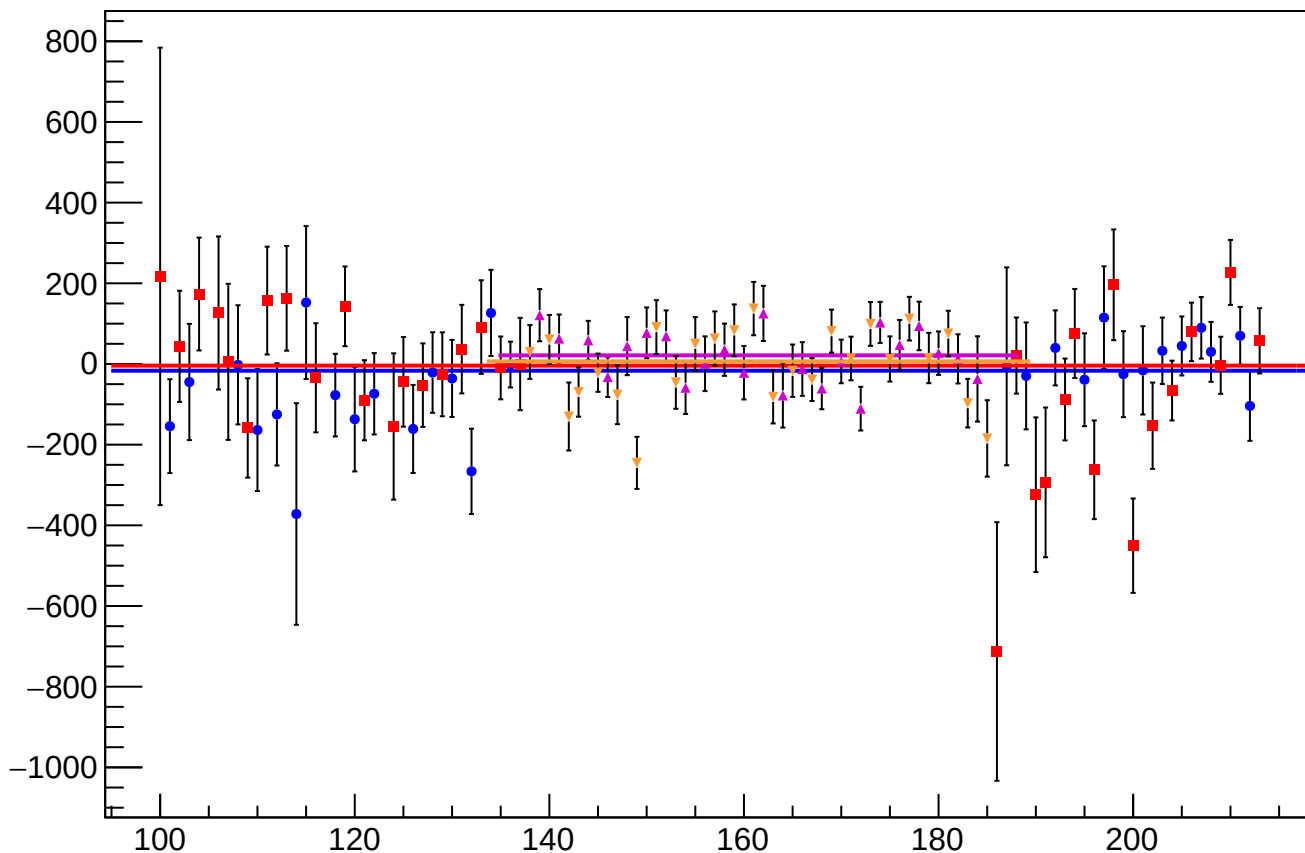
Left In: 0.000+/-0.000 χ^2/NDF : 976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 11953975.5/53

All: 0.000+/-0.000 χ^2/NDF : 22233203.1/110

- sign 0.000+/-0.000 χ^2/NDF : 10236647.6/56

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -16.632 ± 18.684 χ^2/NDF : 23.7/28

Left Out: 6.523 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -4.107 ± 18.851 χ^2/NDF : 57.3/33

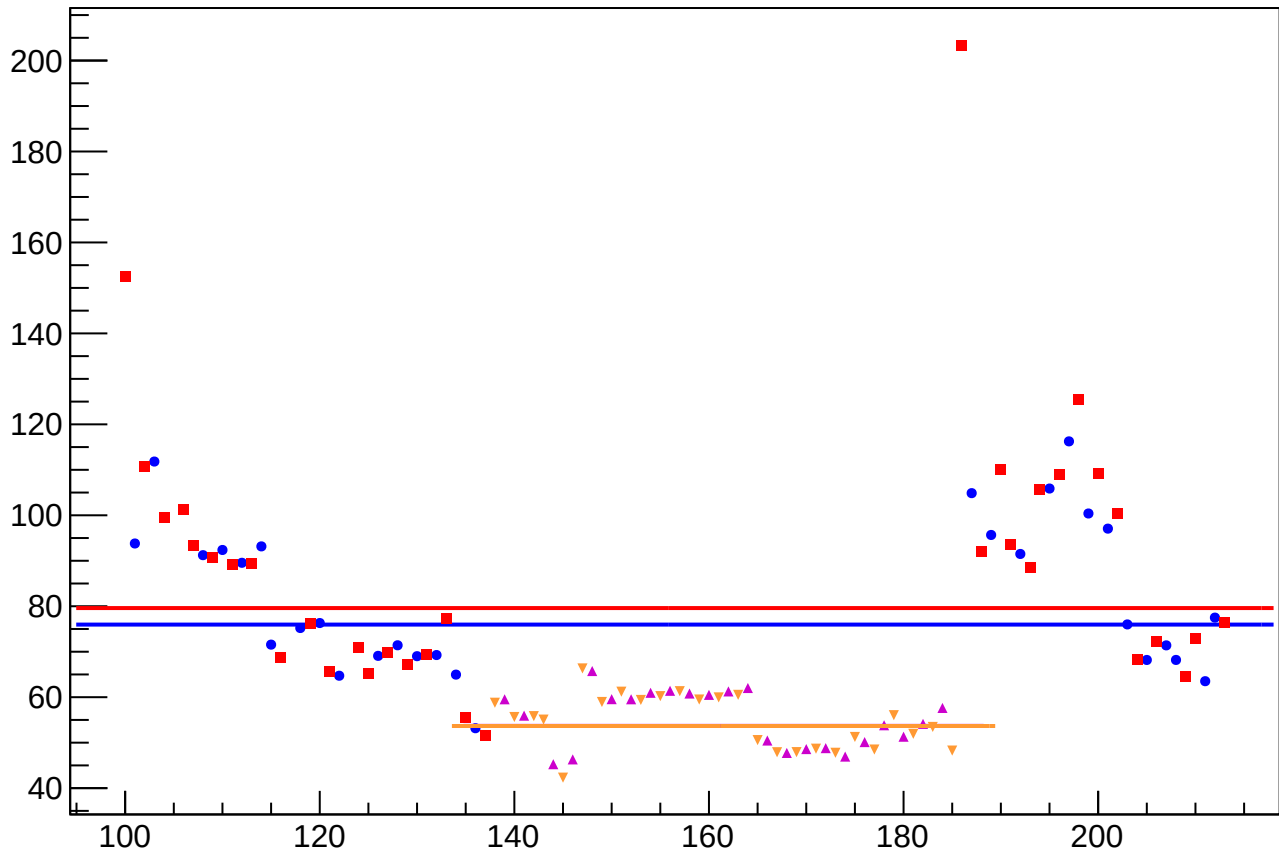
Left In: 21.336 ± 12.649 χ^2/NDF : 25.4/22

+ sign -0.468 ± 10.266 χ^2/NDF : 75.4/53

All: 6.325 ± 7.342 χ^2/NDF : 160.2/110

- sign 13.436 ± 10.504 χ^2/NDF : 83.9/56

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.966 $\pm$ 0.013 χ^2 /NDF: 1403172.4/28

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF: 472206.8/24

Right Out: 79.599 $\pm$ 0.013 χ^2 /NDF: 1958773.2/33

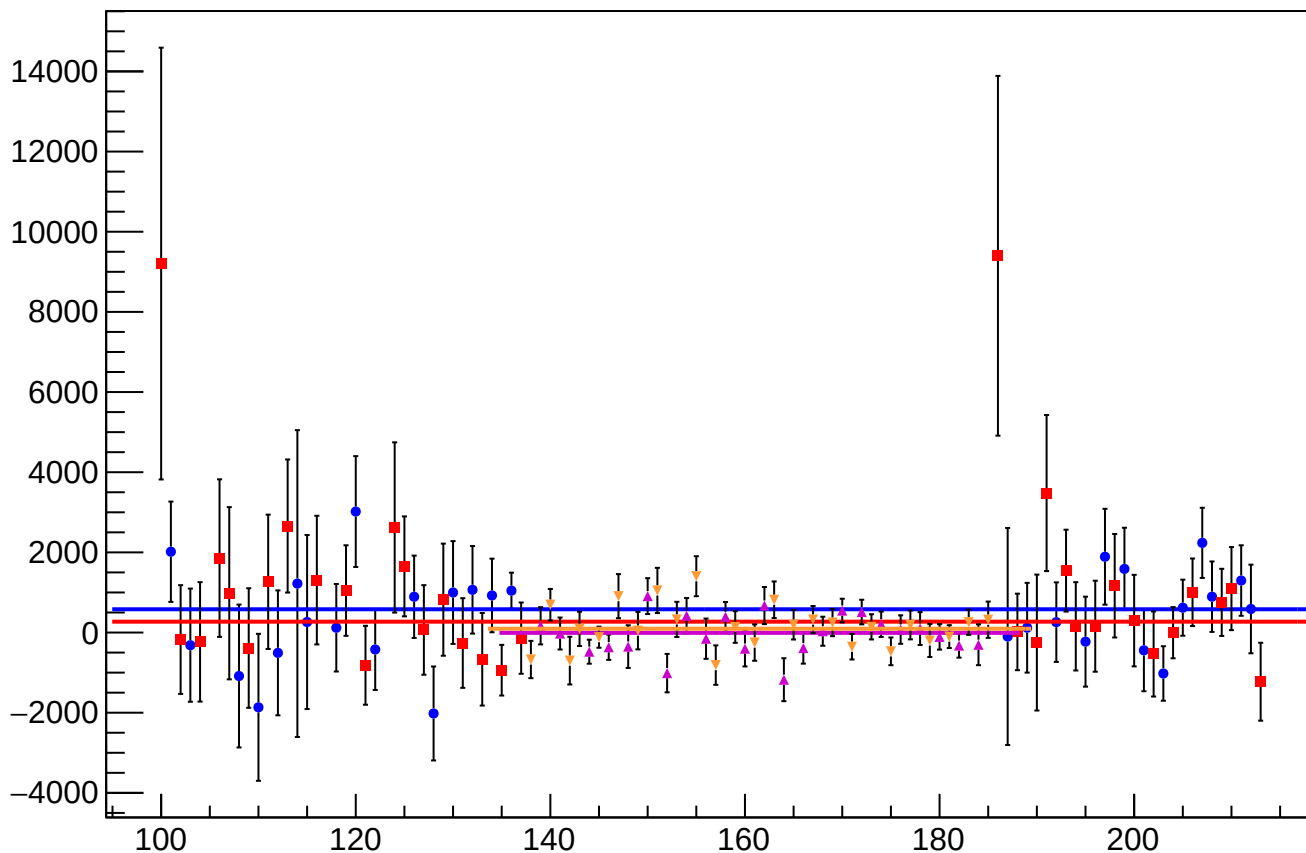
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF: 471343.7/22

+ sign 60.398 $\pm$ 0.007 χ^2 /NDF: 3864323.0/53

All: 61.053 $\pm$ 0.005 χ^2 /NDF: 8915362.9/110

- sign 61.737 $\pm$ 0.007 χ^2 /NDF: 5034410.4/56

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 580.651+/-187.914 χ^2/NDF : 29.7/28

Left Out: 95.456+/-77.134 χ^2/NDF : 33.2/24

Right Out: 271.509+/-195.308 χ^2/NDF : 29.8/33

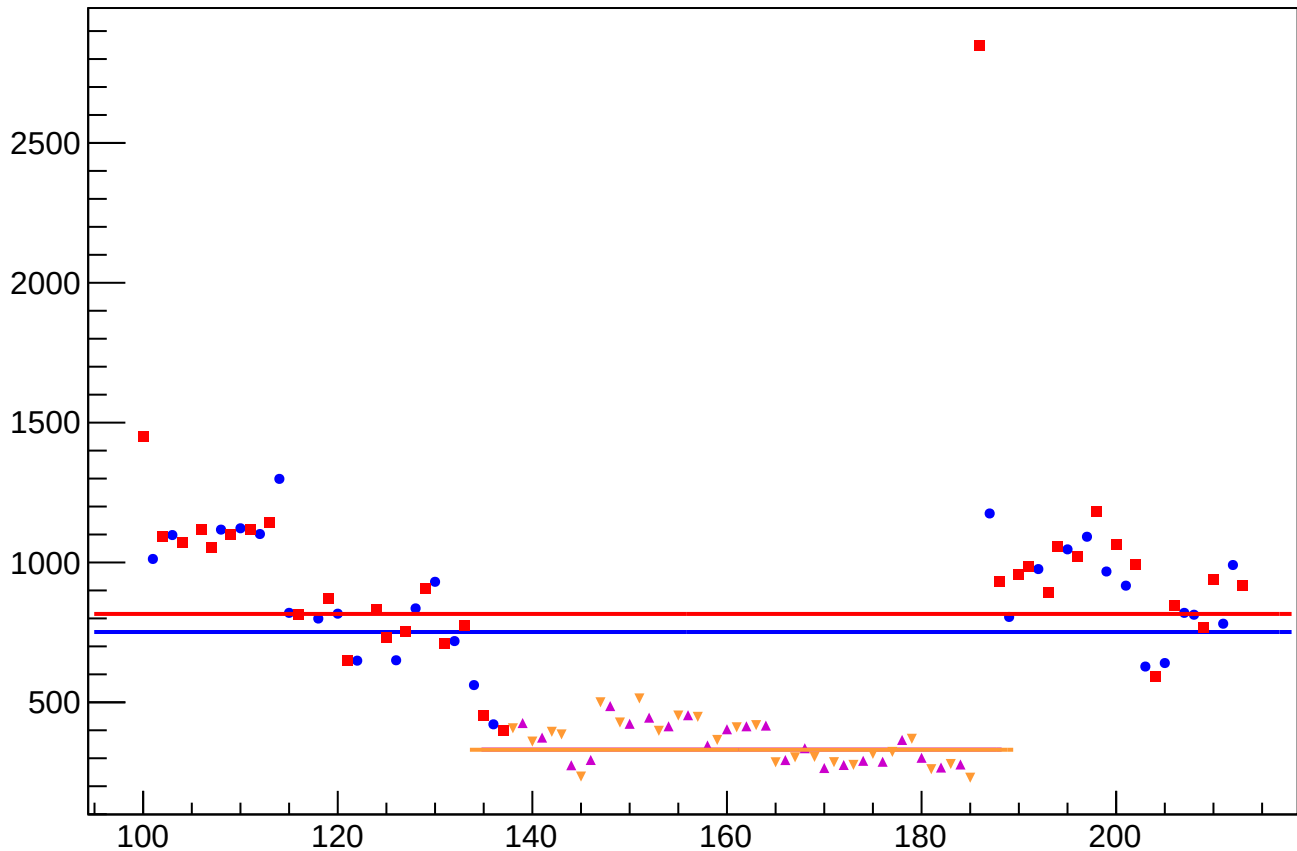
Left In: -7.879+/-79.125 χ^2/NDF : 32.3/22

+ sign 165.418+/-71.357 χ^2/NDF : 68.5/53

All: 100.296+/-51.142 χ^2/NDF : 134.1/110

- sign 31.512+/-73.336 χ^2/NDF : 63.9/56

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 751.402 $\pm$ 0.133 χ^2 /NDF: 2615783.4/28

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752470.5/24

Right Out: 816.012 $\pm$ 0.138 χ^2 /NDF: 2927735.3/33

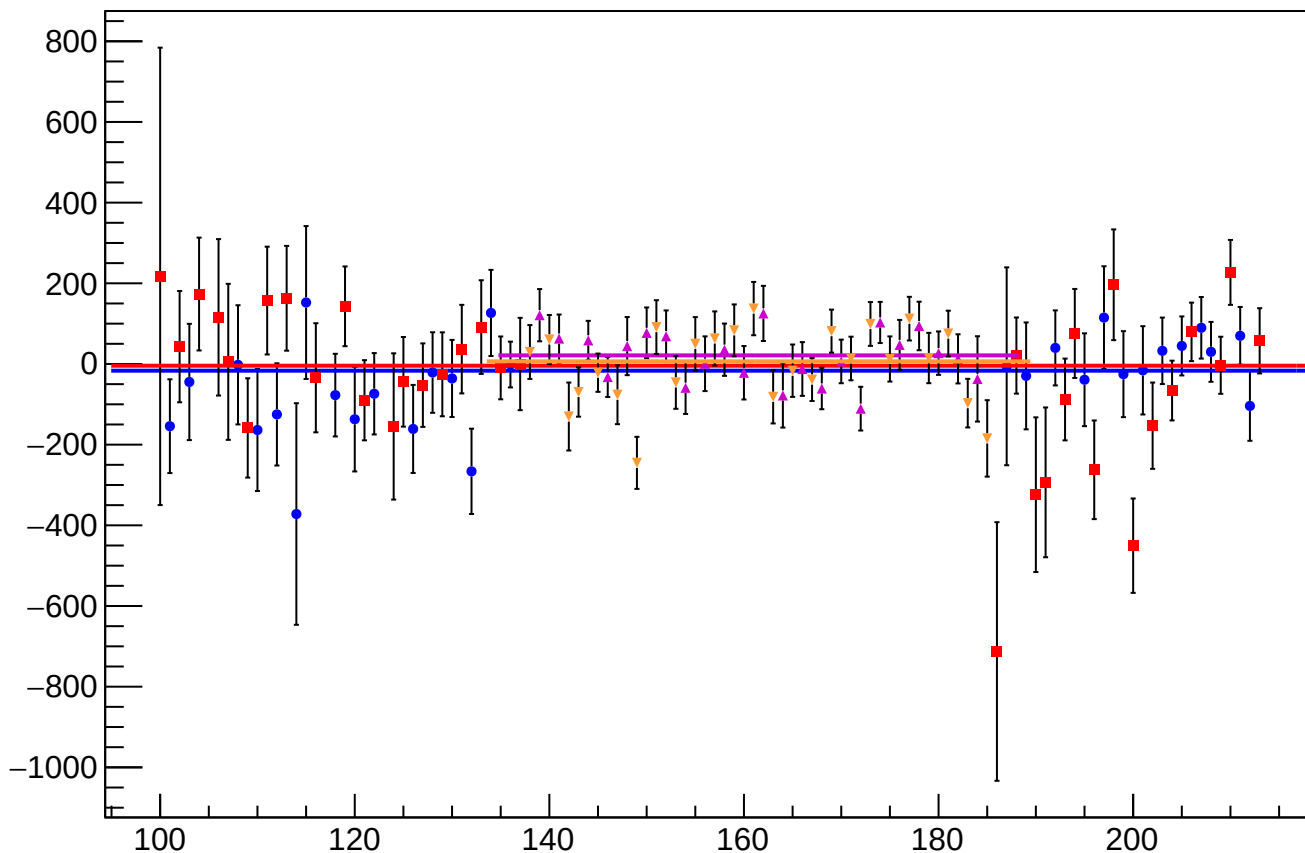
Left In: 331.059 $\pm$ 0.056 χ^2 /NDF: 1325602.5/22

+ sign 391.111 $\pm$ 0.050 χ^2 /NDF: 12959214.1/53

All: 395.158 $\pm$ 0.036 χ^2 /NDF: 27818001.5/11

- sign 399.432 $\pm$ 0.052 χ^2 /NDF: 14845559.3/56

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -16.624 ± 18.684 χ^2/NDF : 23.7/28

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: -4.279 ± 18.855 χ^2/NDF : 57.2/33

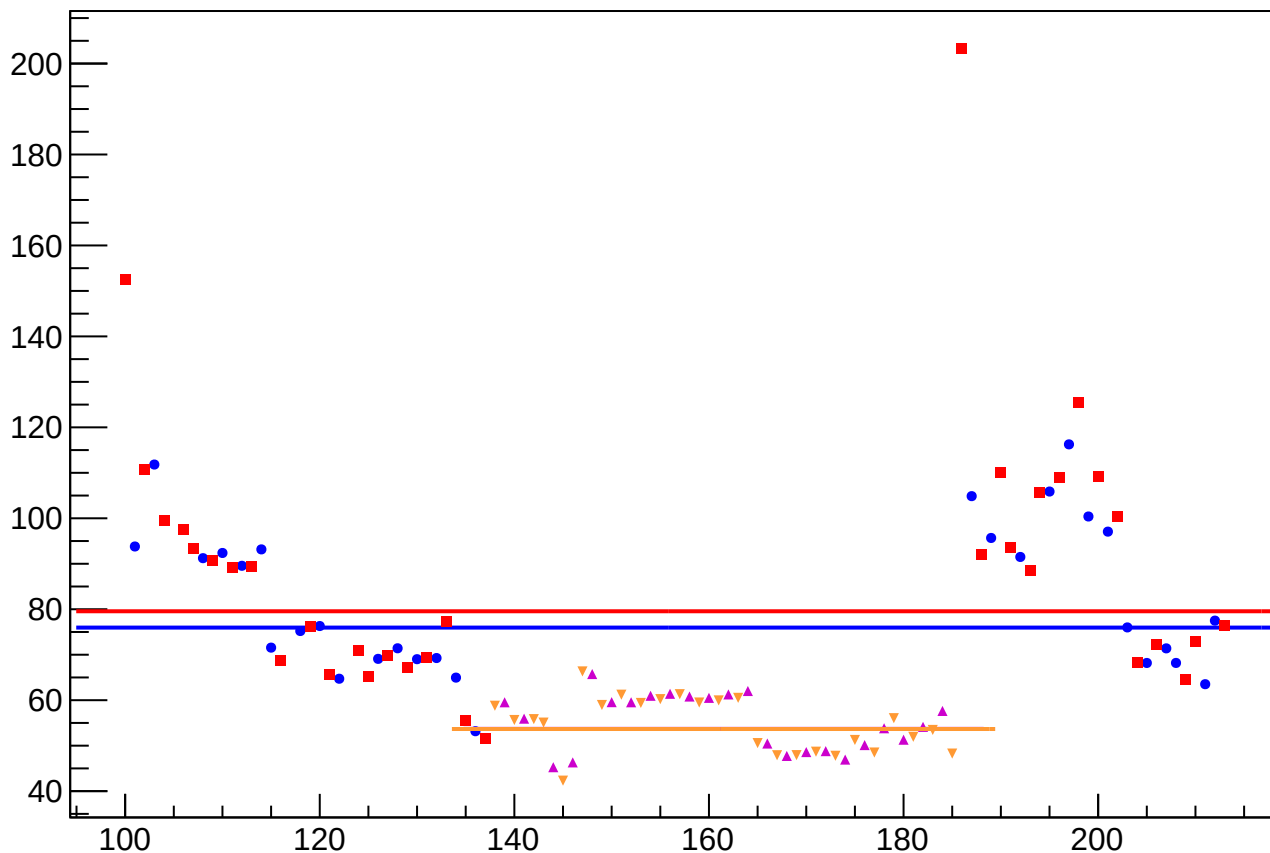
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign -0.463 ± 10.266 χ^2/NDF : 75.4/53

All: 6.302 ± 7.342 χ^2/NDF : 160.1/110

- sign 13.385 ± 10.504 χ^2/NDF : 83.8/56

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.966 $\pm$ 0.013 χ^2 /NDF: 1403174.8/28

Left Out: 53.666 $\pm$ 0.009 χ^2 /NDF: 472206.8/24

Right Out: 79.556 $\pm$ 0.013 χ^2 /NDF: 1950177.2/33

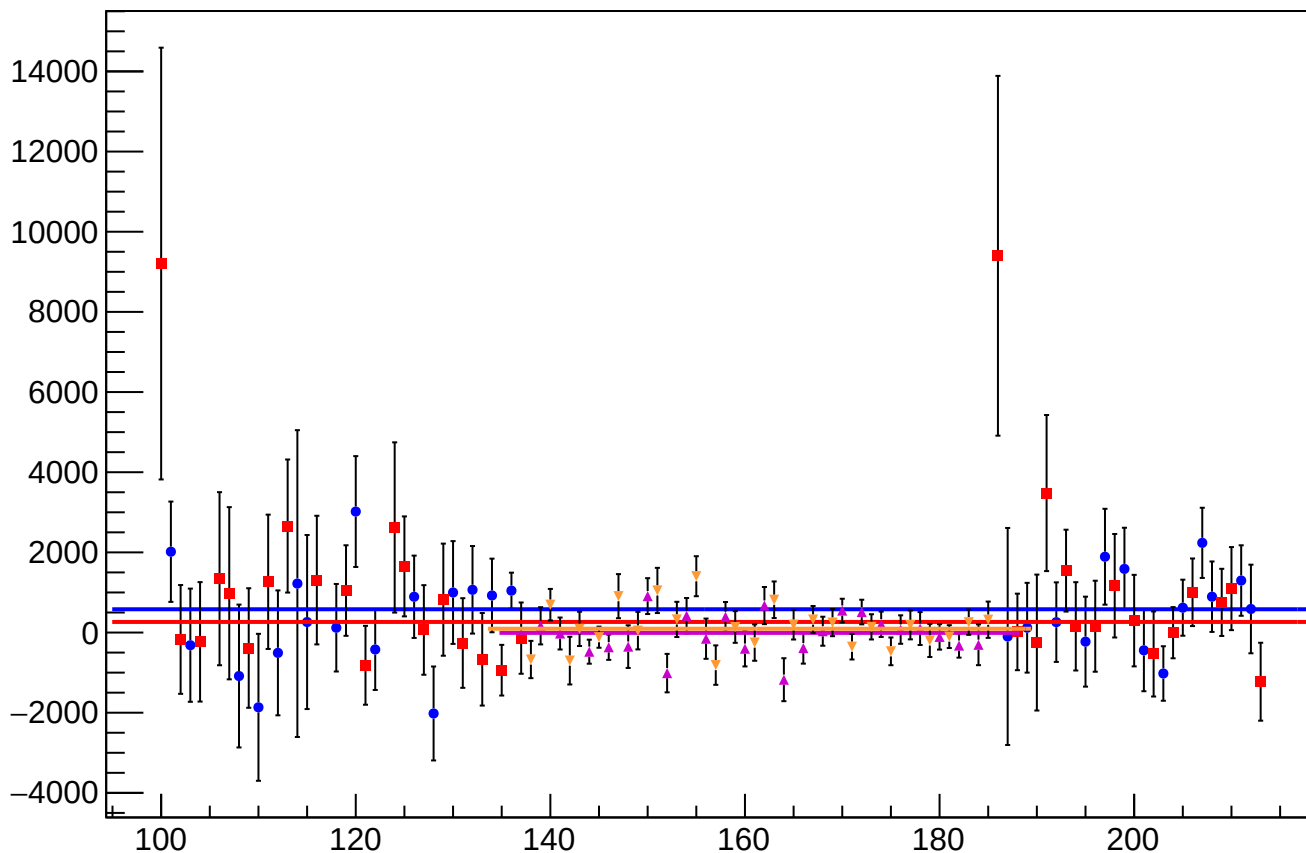
Left In: 53.695 $\pm$ 0.009 χ^2 /NDF: 471343.7/22

+ sign 60.398 $\pm$ 0.007 χ^2 /NDF: 3864325.6/53

All: 61.045 $\pm$ 0.005 χ^2 /NDF: 8896854.7/110

- sign 61.722 $\pm$ 0.007 χ^2 /NDF: 5016294.0/56

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 580.649 ± 187.915 χ^2/NDF : 29.7/28

Left Out: 95.458 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 264.682 ± 195.476 χ^2/NDF : 29.4/33

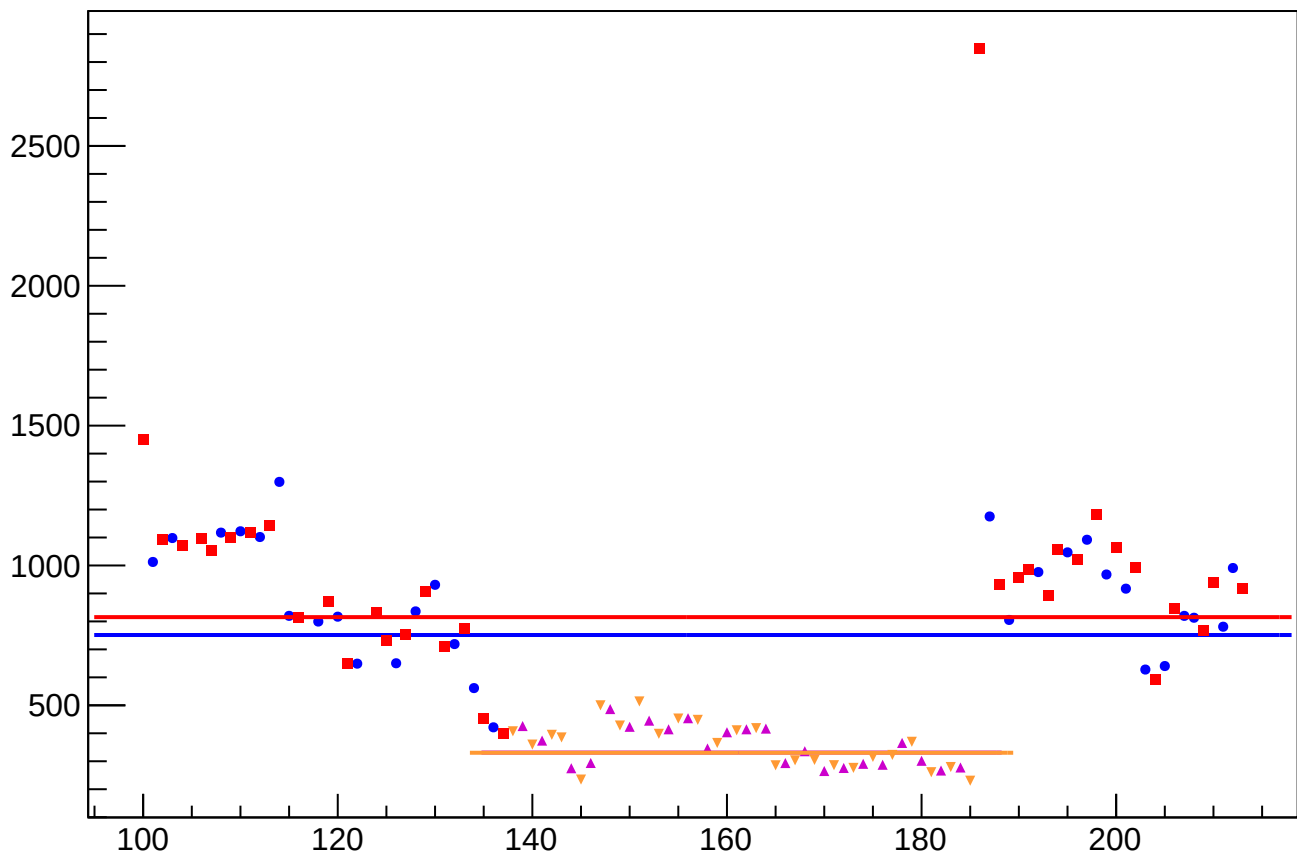
Left In: -7.875 ± 79.125 χ^2/NDF : 32.3/22

+ sign 165.420 ± 71.357 χ^2/NDF : 68.5/53

All: 99.811 ± 51.145 χ^2/NDF : 133.7/110

- sign 30.496 ± 73.345 χ^2/NDF : 63.4/56

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 751.402 $\pm$ 0.133 χ^2 /NDF: 2615806.6/28

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 815.321 $\pm$ 0.138 χ^2 /NDF: 2914237.2/33

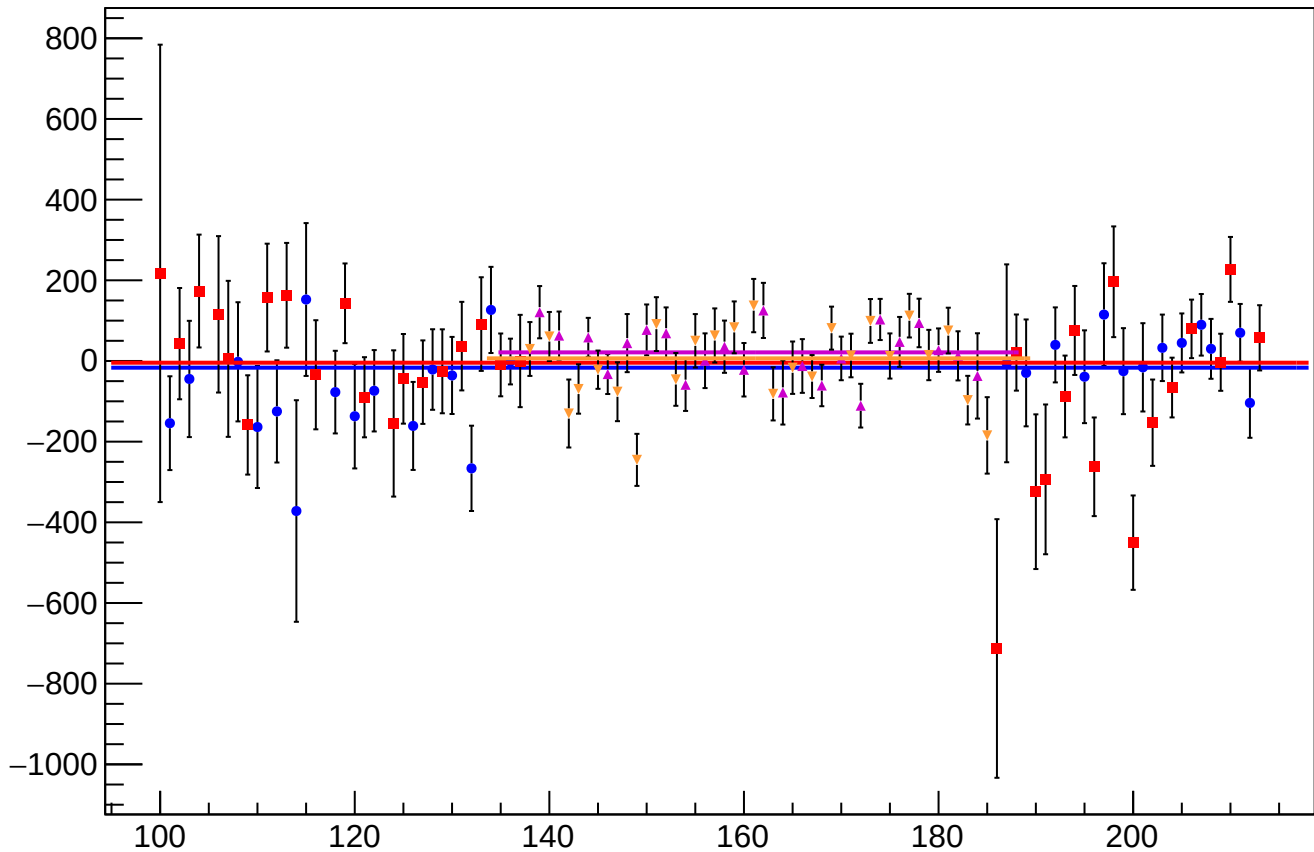
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 391.111 $\pm$ 0.050 χ^2 /NDF: 12959234.2/53

All: 395.061 $\pm$ 0.036 χ^2 /NDF: 27758123.7/11

- sign 399.234 $\pm$ 0.052 χ^2 /NDF: 14786286.3/56

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -16.624 ± 18.684 $\chi^2/\text{NDF}: 23.7/28$

Left Out: 6.526 ± 12.287 $\chi^2/\text{NDF}: 50.6/24$

Right Out: -4.279 ± 18.855 $\chi^2/\text{NDF}: 57.2/33$

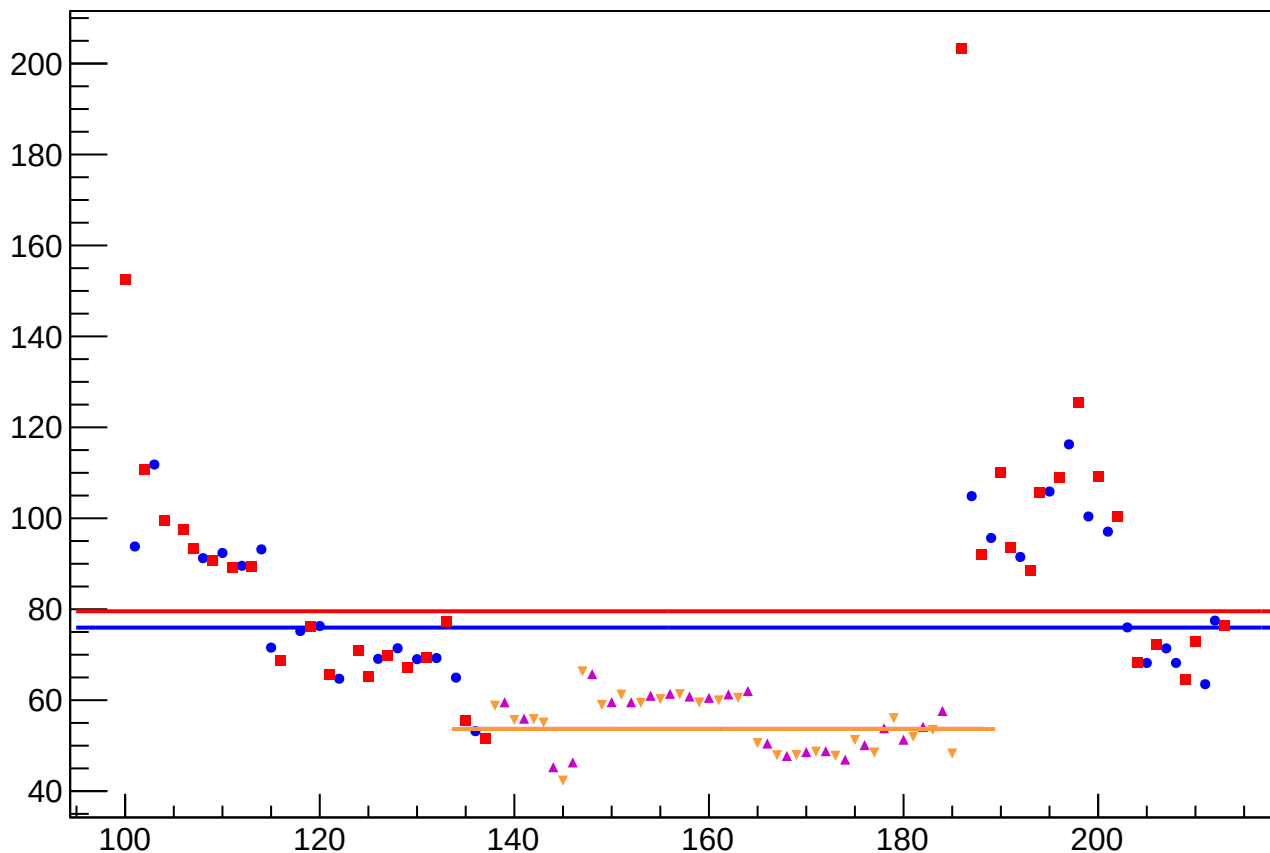
Left In: 21.335 ± 12.649 $\chi^2/\text{NDF}: 25.4/22$

+ sign -0.463 ± 10.266 $\chi^2/\text{NDF}: 75.4/53$

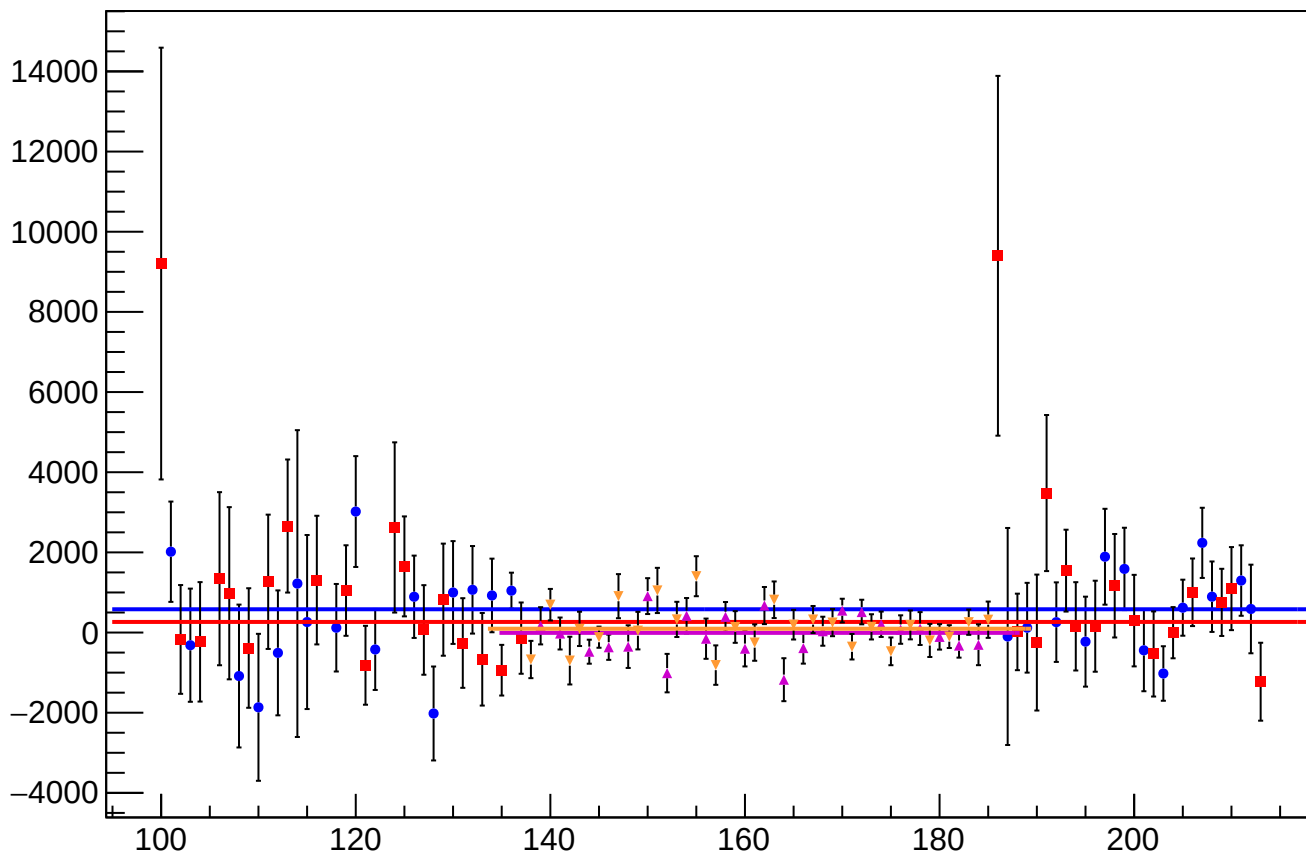
All: 6.302 ± 7.342 $\chi^2/\text{NDF}: 160.1/110$

- sign 13.385 ± 10.504 $\chi^2/\text{NDF}: 83.8/56$

eigen_cor_asym_sam_15_26_dd_rms vs Slug



asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 580.649 ± 187.915 χ^2/NDF : 29.7/28

Left Out: 95.458 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 264.682 ± 195.476 χ^2/NDF : 29.4/33

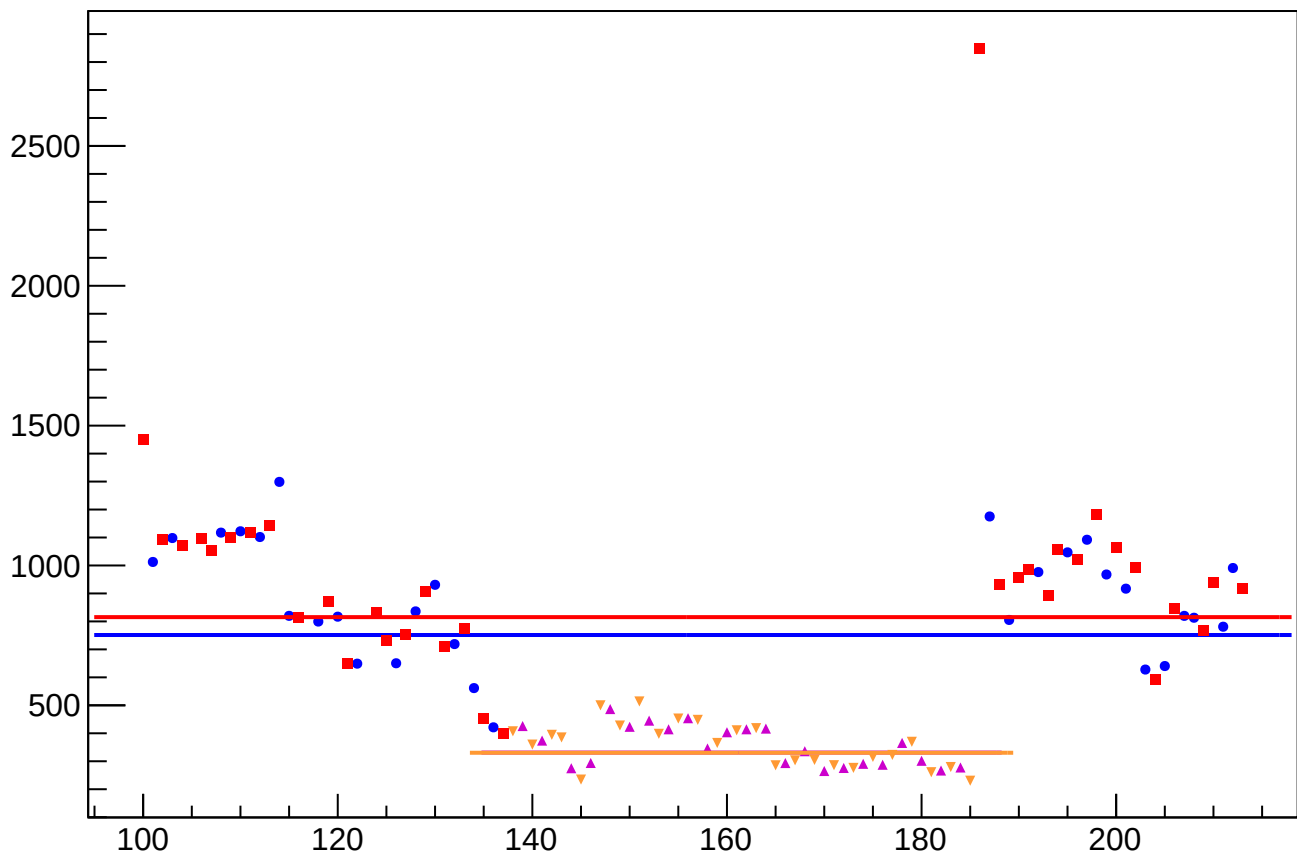
Left In: -7.875 ± 79.125 χ^2/NDF : 32.3/22

+ sign 165.420 ± 71.357 χ^2/NDF : 68.5/53

All: 99.811 ± 51.145 χ^2/NDF : 133.7/110

- sign 30.496 ± 73.345 χ^2/NDF : 63.4/56

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug



Right In: 751.402 $\pm$ 0.133 χ^2 /NDF: 2615806.6/28

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 815.321 $\pm$ 0.138 χ^2 /NDF: 2914237.2/33

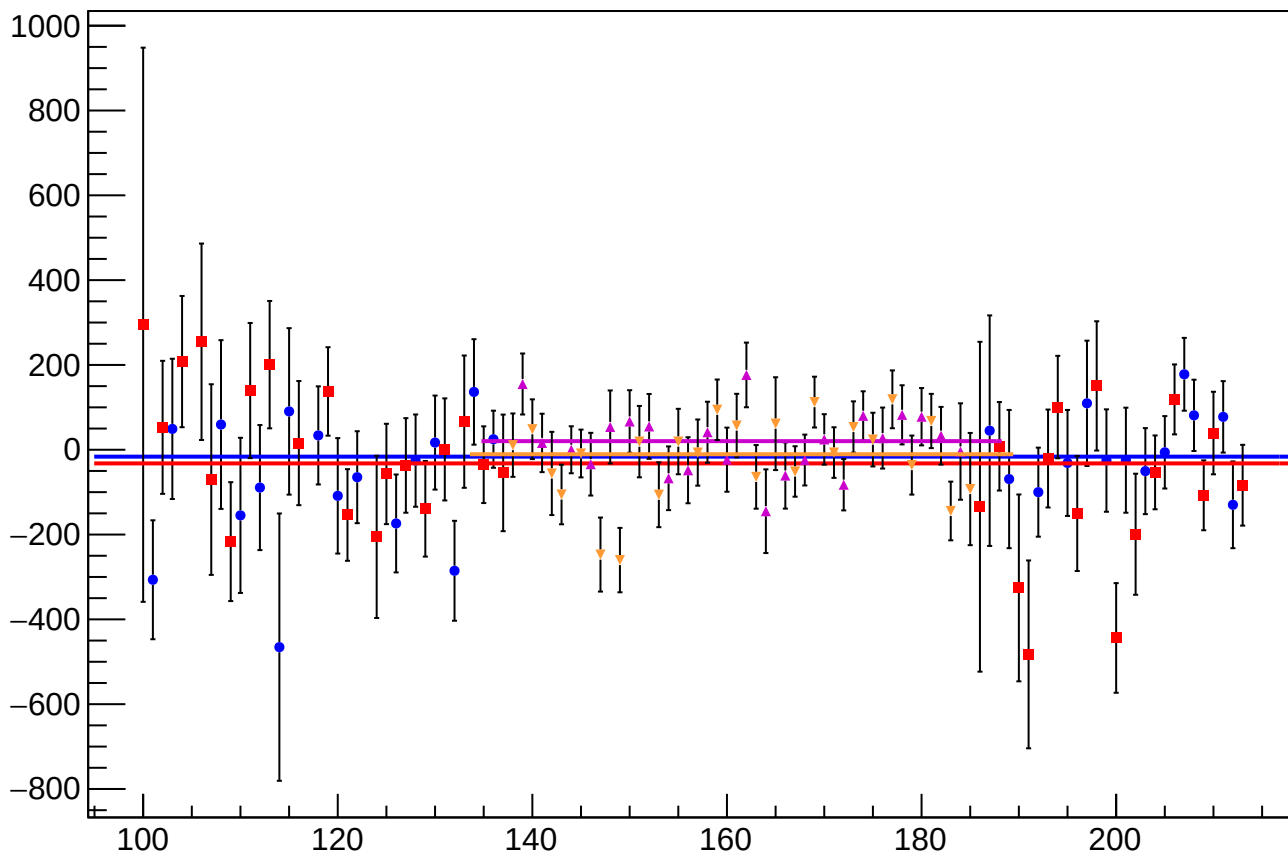
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 391.111 $\pm$ 0.050 χ^2 /NDF: 12959234.2/53

All: 395.061 $\pm$ 0.036 χ^2 /NDF: 27758123.7/11

- sign 399.234 $\pm$ 0.052 χ^2 /NDF: 14786286.3/56

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -16.256 ± 21.467 χ^2/NDF : 28.2/28

Left Out: -10.614 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -32.213 ± 21.536 χ^2/NDF : 42.2/33

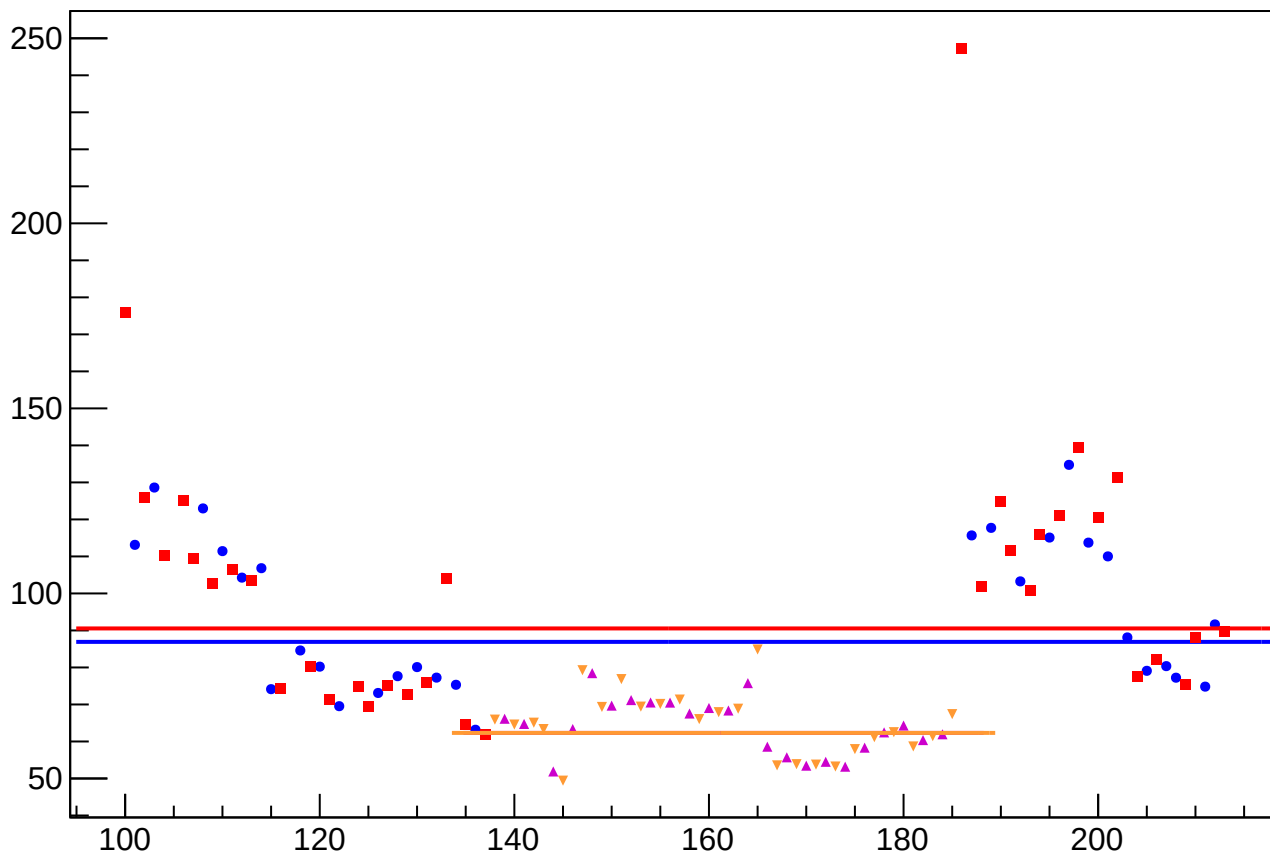
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.350 ± 11.907 χ^2/NDF : 70.5/53

All: -4.580 ± 8.511 χ^2/NDF : 139.3/110

- sign 3.536 ± 12.169 χ^2/NDF : 68.0/56

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.914 $\pm$ 0.015 χ^2 /NDF: 1452646.6/28

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636269.1/24

Right Out: 90.544 $\pm$ 0.015 χ^2 /NDF: 2077555.1/33

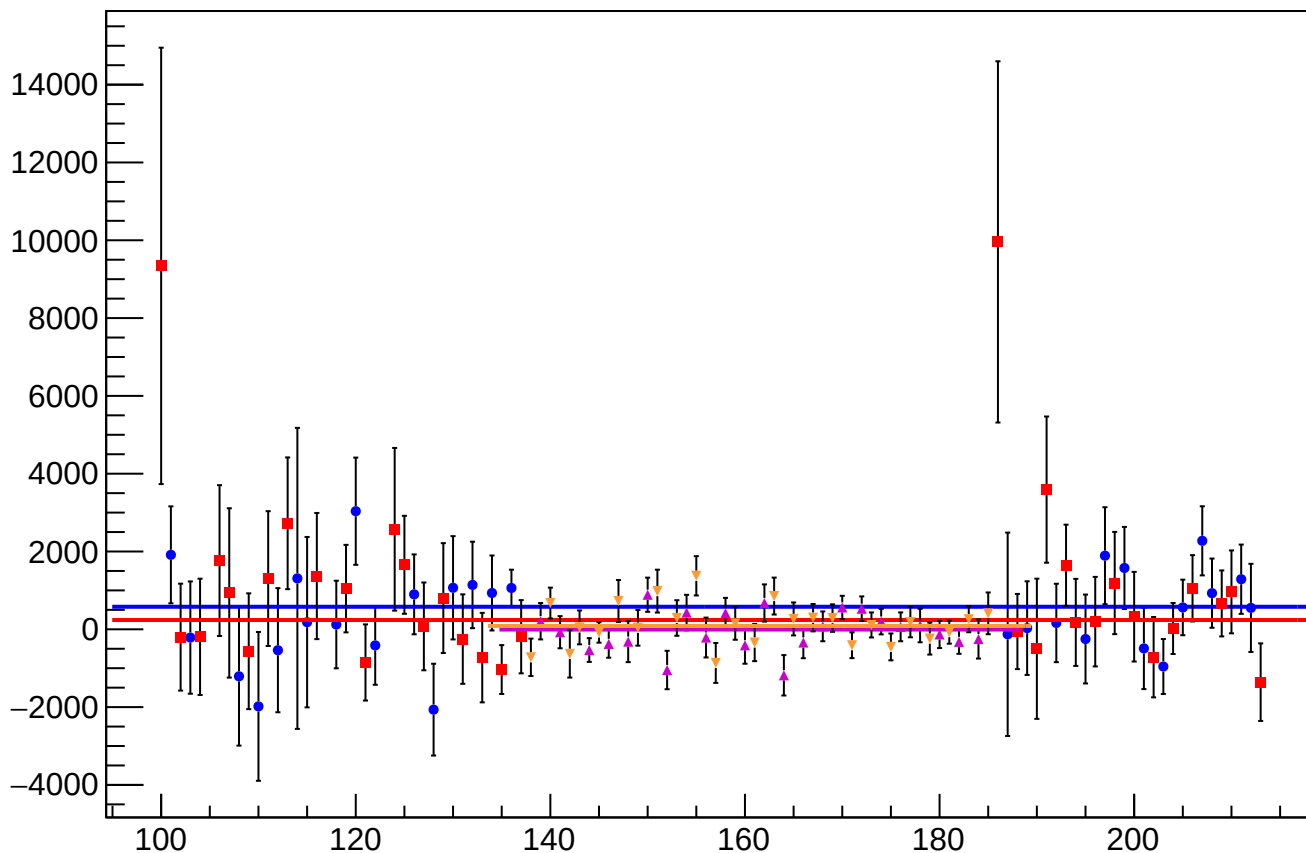
Left In: 62.310 $\pm$ 0.010 χ^2 /NDF: 484549.5/22

+ sign 69.884 $\pm$ 0.008 χ^2 /NDF: 3906794.1/53

All: 70.589 $\pm$ 0.006 χ^2 /NDF: 8823155.3/110

- sign 71.326 $\pm$ 0.009 χ^2 /NDF: 4902019.1/56

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 579.500 $\pm$ 192.810 χ^2 /NDF: 29.0/28

Left Out: 86.985 $\pm$ 79.837 χ^2 /NDF:31.7/24

Right Out: 238.959 $\pm$ 197.722 χ^2 /NDF: 31.9/33

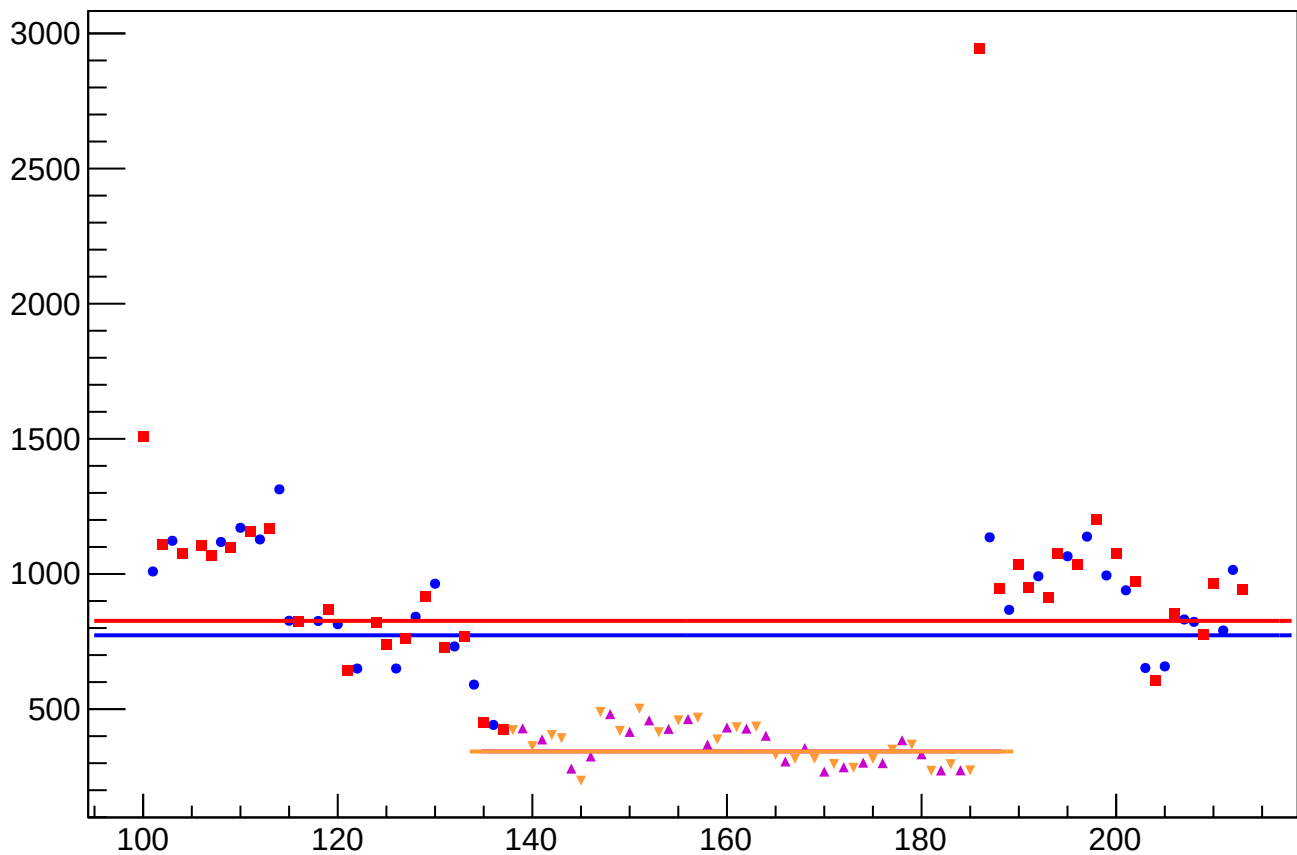
Left In: -6.497 $\pm$ 82.111 χ^2 /NDF:32.4/22

+ sign 159.069 $\pm$ 73.763 χ^2 /NDF: 66.2/53

All: 96.128 $\pm$ 52.875 χ^2 /NDF: 133.3/110

- sign 29.608 $\pm$ 75.832 χ^2 /NDF: 65.6/56

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 773.176+/-0.136 χ^2/NDF : 2476079.0/28

Left Out: 343.225+/-0.056 χ^2/NDF : 1595394.3/24

Right Out: 826.521+/-0.140 χ^2/NDF : 2914870.6/33

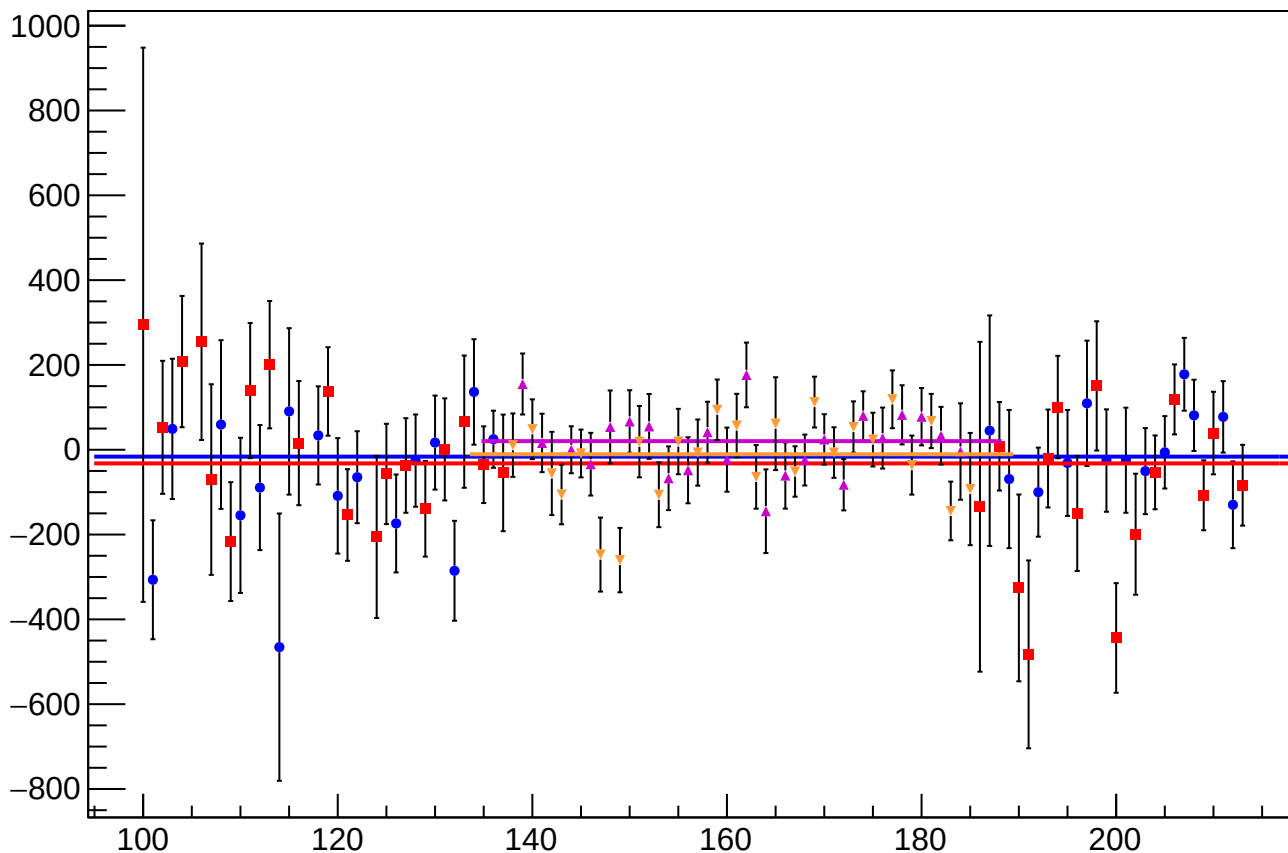
Left In: 343.717+/-0.058 χ^2/NDF : 1258376.8/22

+ sign 406.152+/-0.052 χ^2/NDF : 12561039.6/53

All: 410.324+/-0.037 χ^2/NDF : 26918446.0/11

- sign 414.734+/-0.054 χ^2/NDF : 14344246.5/56

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -16.257 ± 21.467 χ^2/NDF : 28.2/28

Left Out: -10.613 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -32.213 ± 21.535 χ^2/NDF : 42.2/33

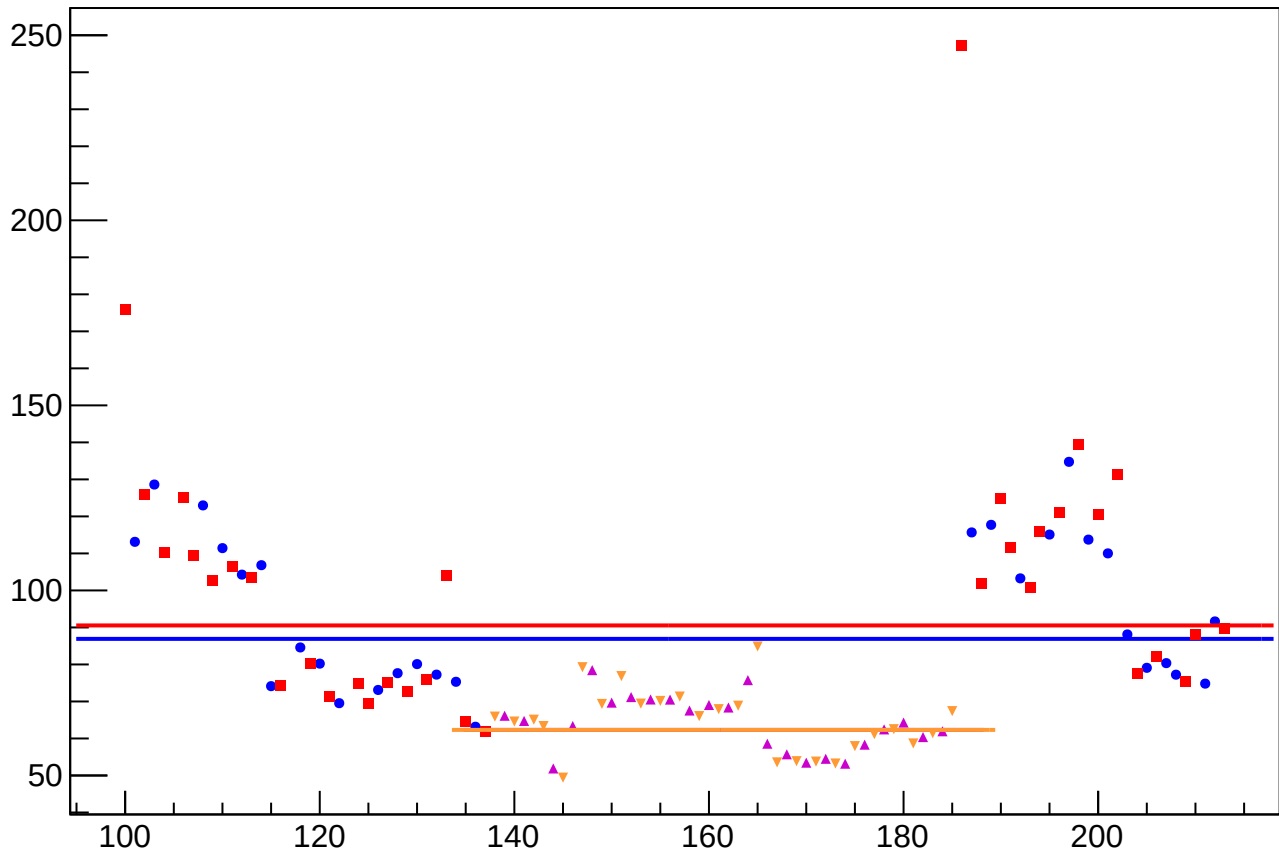
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -12.350 ± 11.907 χ^2/NDF : 70.5/53

All: -4.580 ± 8.511 χ^2/NDF : 139.3/110

- sign 3.536 ± 12.169 χ^2/NDF : 68.0/56

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.913 ± 0.015 χ^2/NDF : 1452662.2/28

Left Out: 62.316 ± 0.010 χ^2/NDF : 636268.2/24

Right Out: 90.544 ± 0.015 χ^2/NDF : 2077548.6/33

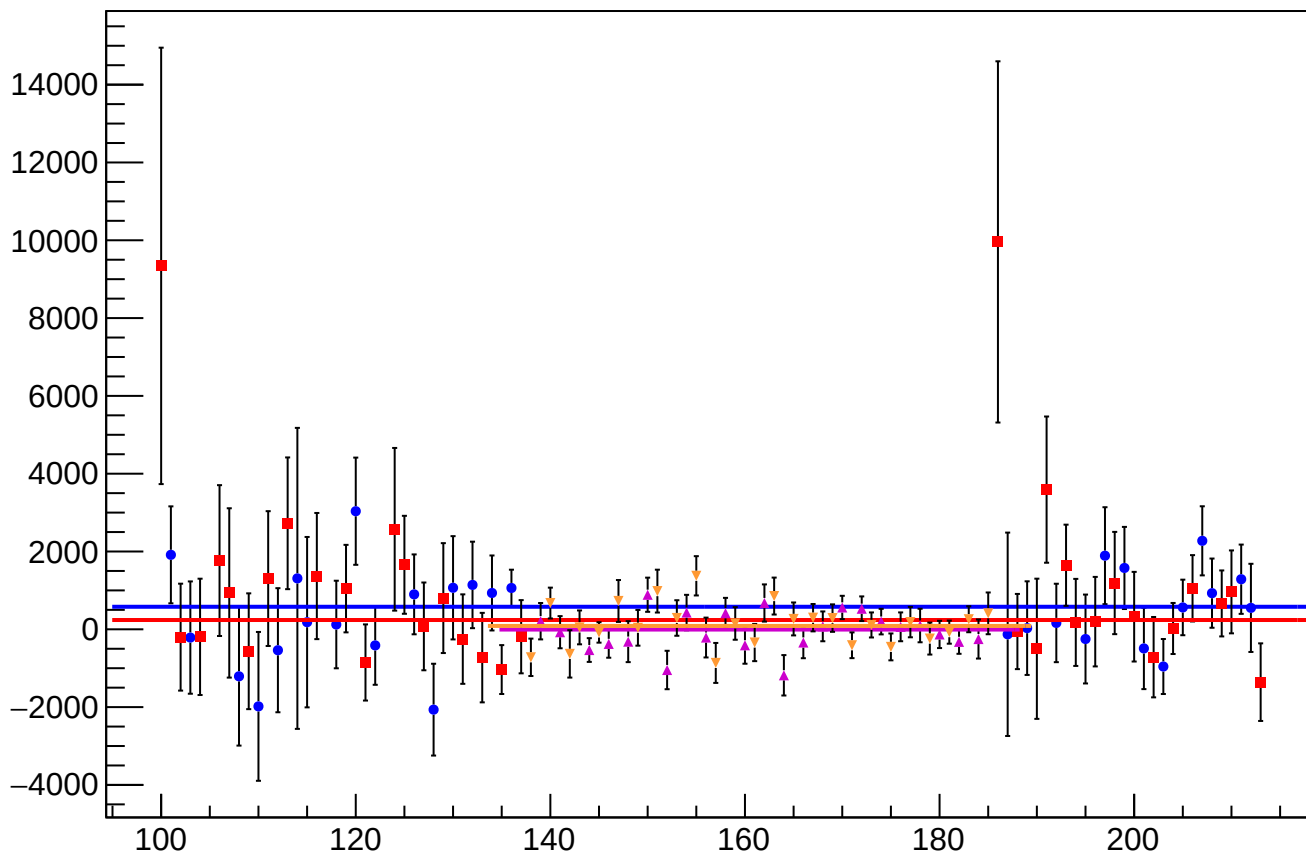
Left In: 62.311 ± 0.010 χ^2/NDF : 484544.3/22

+ sign 69.884 ± 0.008 χ^2/NDF : 3906770.1/53

All: 70.589 ± 0.006 χ^2/NDF : 8823074.9/110

- sign 71.326 ± 0.009 χ^2/NDF : 4901959.8/56

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 579.500 $\pm$ 192.810 χ^2 /NDF: 29.0/28

Left Out: 86.985 $\pm$ 79.837 χ^2 /NDF:31.7/24

Right Out: 238.959 $\pm$ 197.722 χ^2 /NDF: 31.9/33

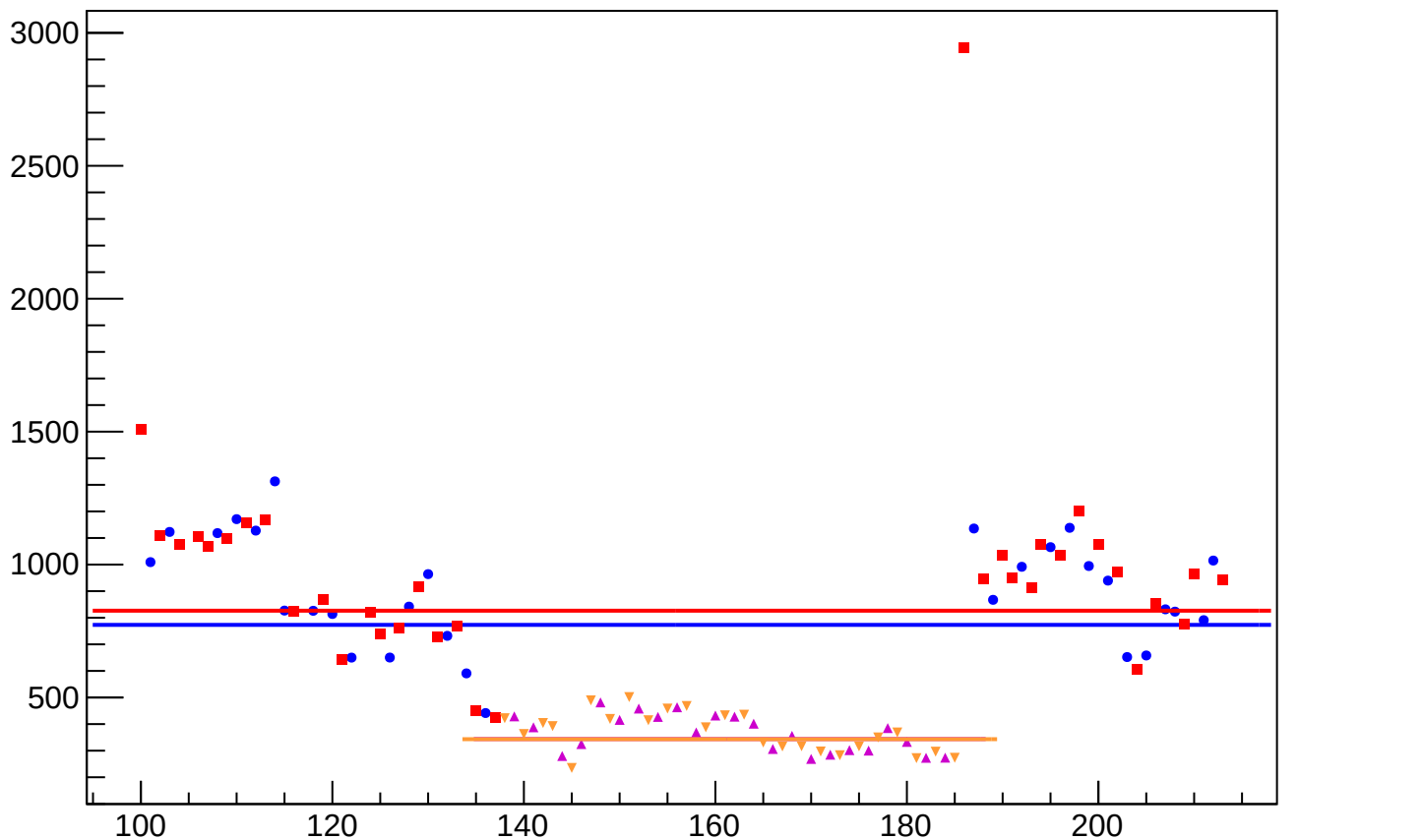
Left In: -6.497 $\pm$ 82.111 χ^2 /NDF:32.4/22

+ sign 159.069 $\pm$ 73.763 χ^2 /NDF: 66.2/53

All: 96.128 $\pm$ 52.875 χ^2 /NDF: 133.3/110

- sign 29.607 $\pm$ 75.832 χ^2 /NDF: 65.6/56

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 773.177 $\pm$ 0.136 χ^2 /NDF: 2476066.3/28

Left Out: 343.225 $\pm$ 0.056 χ^2 /NDF: 1595415.4/24

Right Out: 826.522 $\pm$ 0.140 χ^2 /NDF: 2914859.7/33

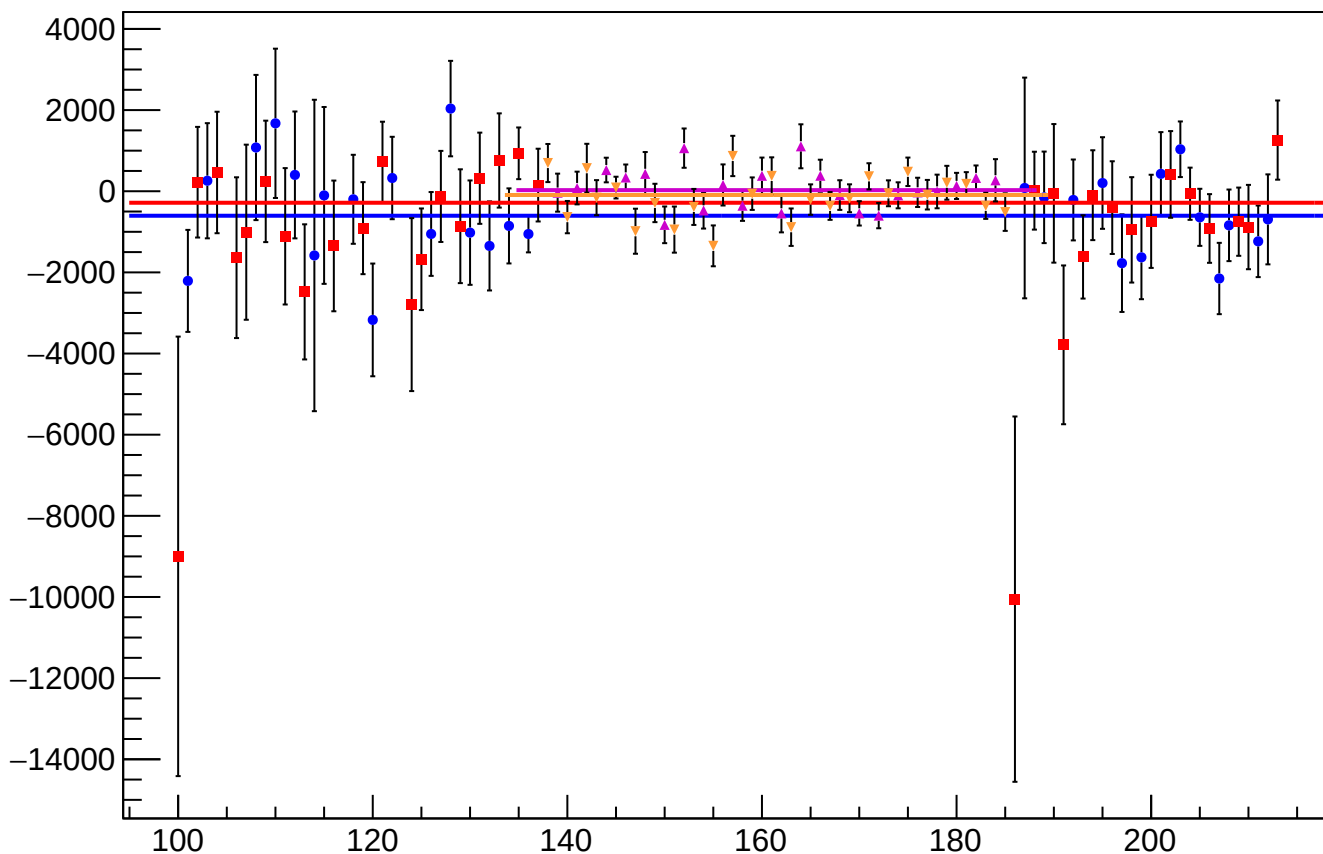
Left In: 343.717 $\pm$ 0.058 χ^2 /NDF: 1258392.0/22

+ sign 406.152 $\pm$ 0.052 χ^2 /NDF: 12561049.3/53

All: 410.324 $\pm$ 0.037 χ^2 /NDF: 26918455.8/100

- sign 414.734 $\pm$ 0.054 χ^2 /NDF: 14344246.2/56

asym_sam_15_26_dd_mean vs Slug



Right In: -603.828 ± 189.014 χ^2/NDF : 29.4/28

Left Out: -92.671 ± 78.184 χ^2/NDF : 34.2/24

Right Out: -283.763 ± 196.350 χ^2/NDF : 29.7/33

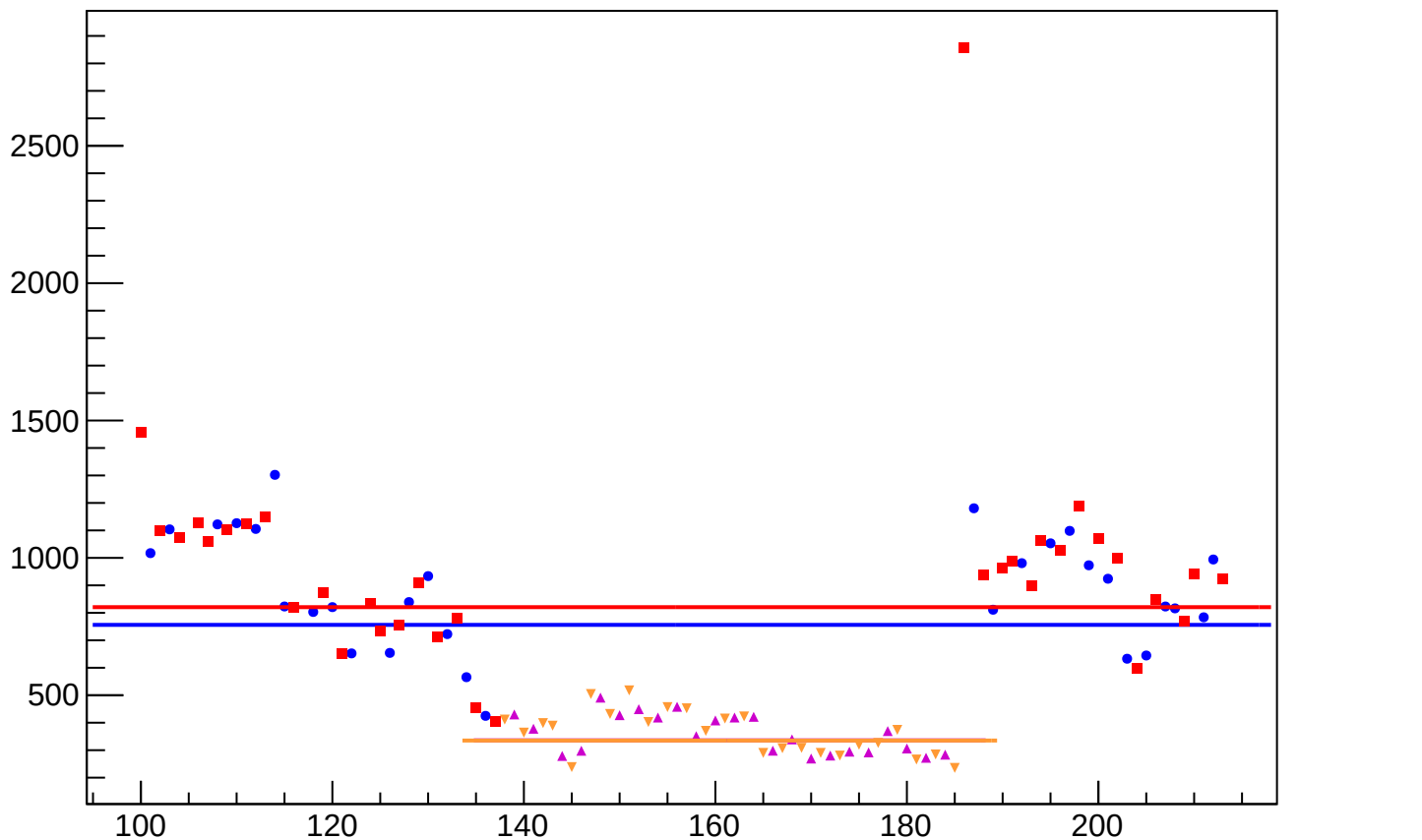
Left In: 27.173 ± 80.207 χ^2/NDF : 30.9/22

+ sign -167.352 ± 72.247 χ^2/NDF : 69.9/53

All: -94.374 ± 51.781 χ^2/NDF : 134.7/110

- sign -17.292 ± 74.251 χ^2/NDF : 62.7/56

asym_sam_15_26_dd_rms vs Slug



Right In: 756.127 $\pm$ 0.134 χ^2 /NDF: 2590629.1/28

Left Out: 335.150 $\pm$ 0.055 χ^2 /NDF:1706014.2/24

Right Out: 820.597 $\pm$ 0.139 χ^2 /NDF: 2909911.7/33

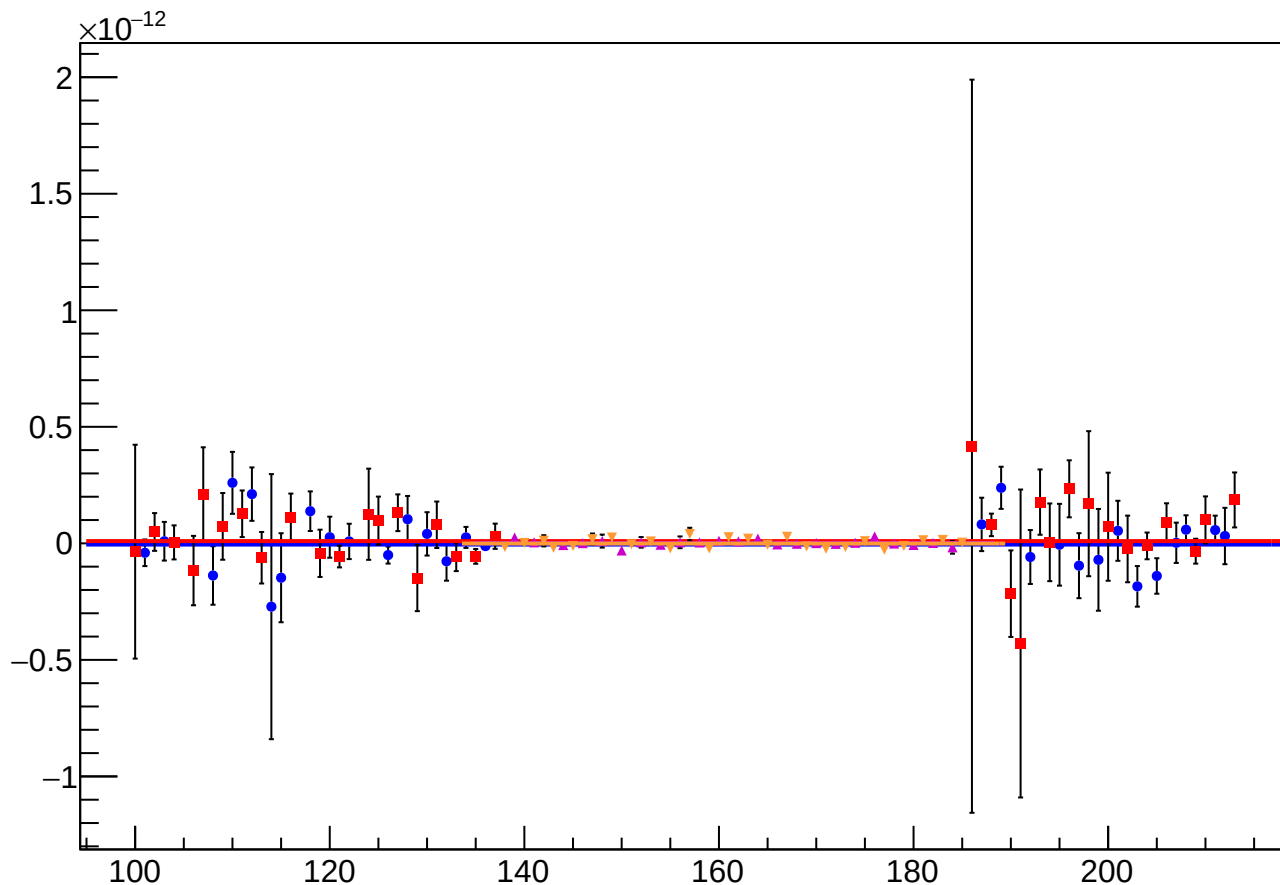
Left In: 335.787 $\pm$ 0.057 χ^2 /NDF:1291376.5/22

+ sign 396.655 $\pm$ 0.051 χ^2 /NDF: 12768219.7/53

All: 400.770 $\pm$ 0.037 χ^2 /NDF: 27432246.2/11

- sign 405.117 $\pm$ 0.053 χ^2 /NDF: 14650684.7/56

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 35.6/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 33.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.1/33

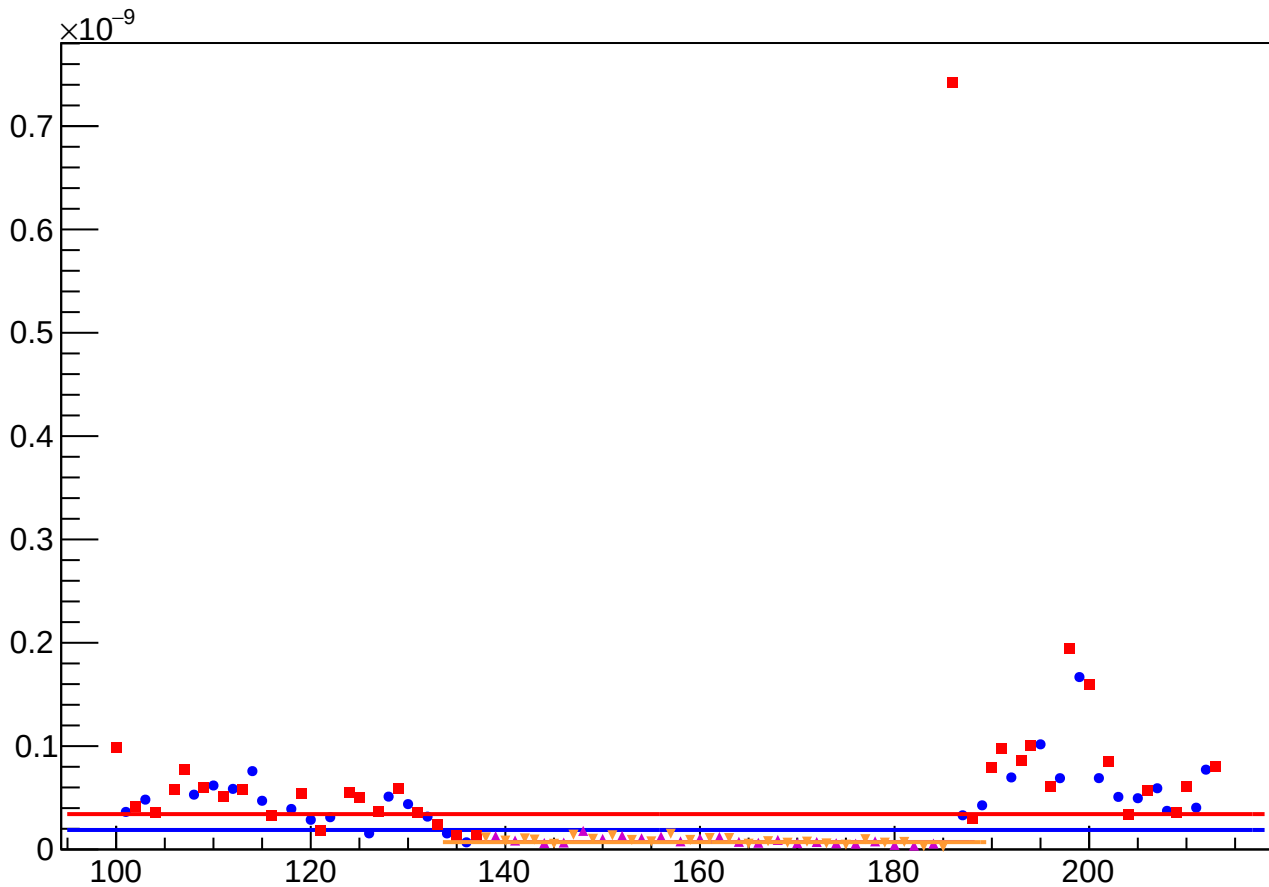
Left In: 0.000 ± 0.000 χ^2/NDF : 14.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 69.0/53

All: 0.000 ± 0.000 χ^2/NDF : 116.8/110

- sign 0.000 ± 0.000 χ^2/NDF : 47.2/56

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7963035.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5267143.0/33

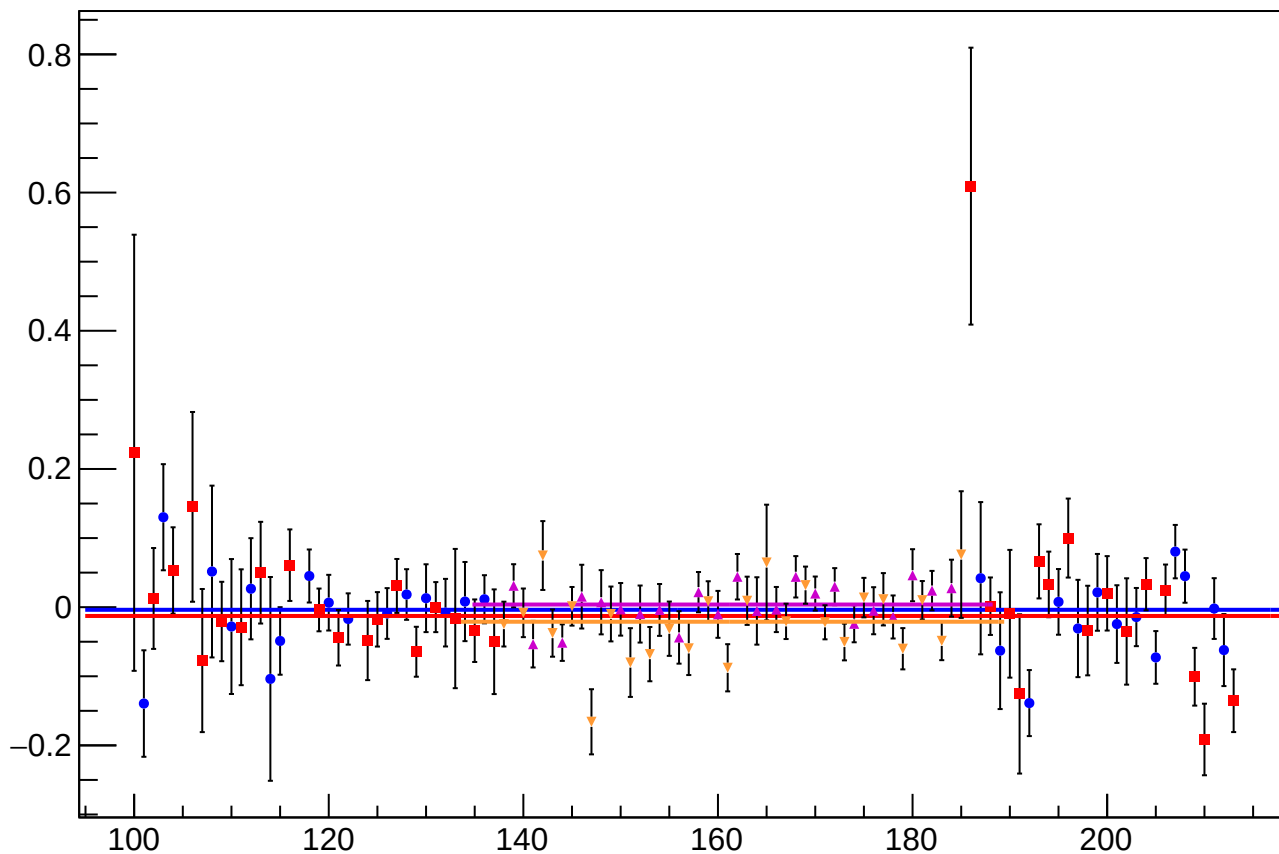
Left In: 0.000+/-0.000 χ^2/NDF : 1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 12672926.3/53

All: 0.000+/-0.000 χ^2/NDF : 26540815.7/110

- sign 0.000+/-0.000 χ^2/NDF : 13853128.7/56

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.009 χ^2/NDF : 30.6/28

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.013 ± 0.009 χ^2/NDF : 55.6/33

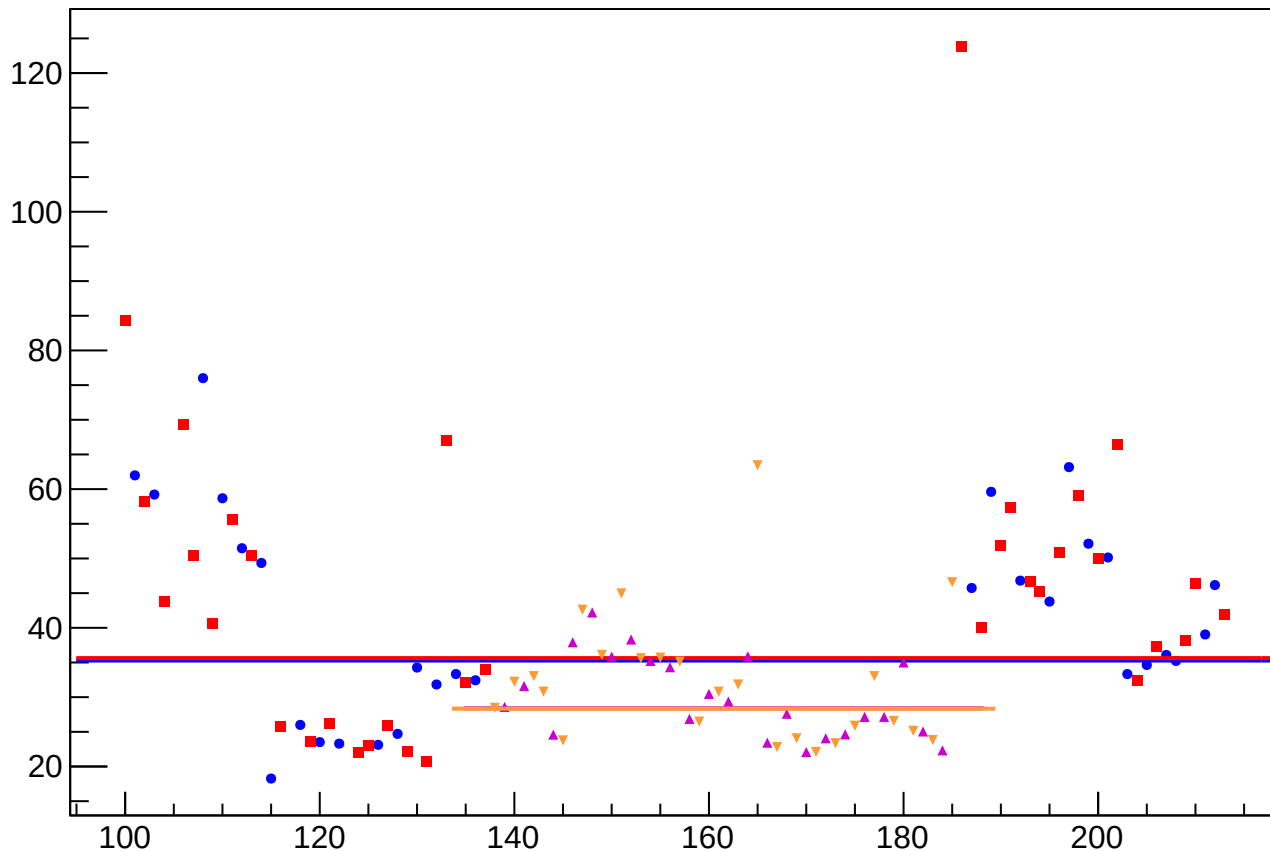
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 70.1/53

All: -0.009 ± 0.004 χ^2/NDF : 149.3/110

- sign -0.002 ± 0.005 χ^2/NDF : 76.5/56

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.282 $\pm$ 0.006 χ^2 /NDF: 3140785.6/28

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733592.1/24

Right Out: 35.633 $\pm$ 0.006 χ^2 /NDF: 4122170.9/33

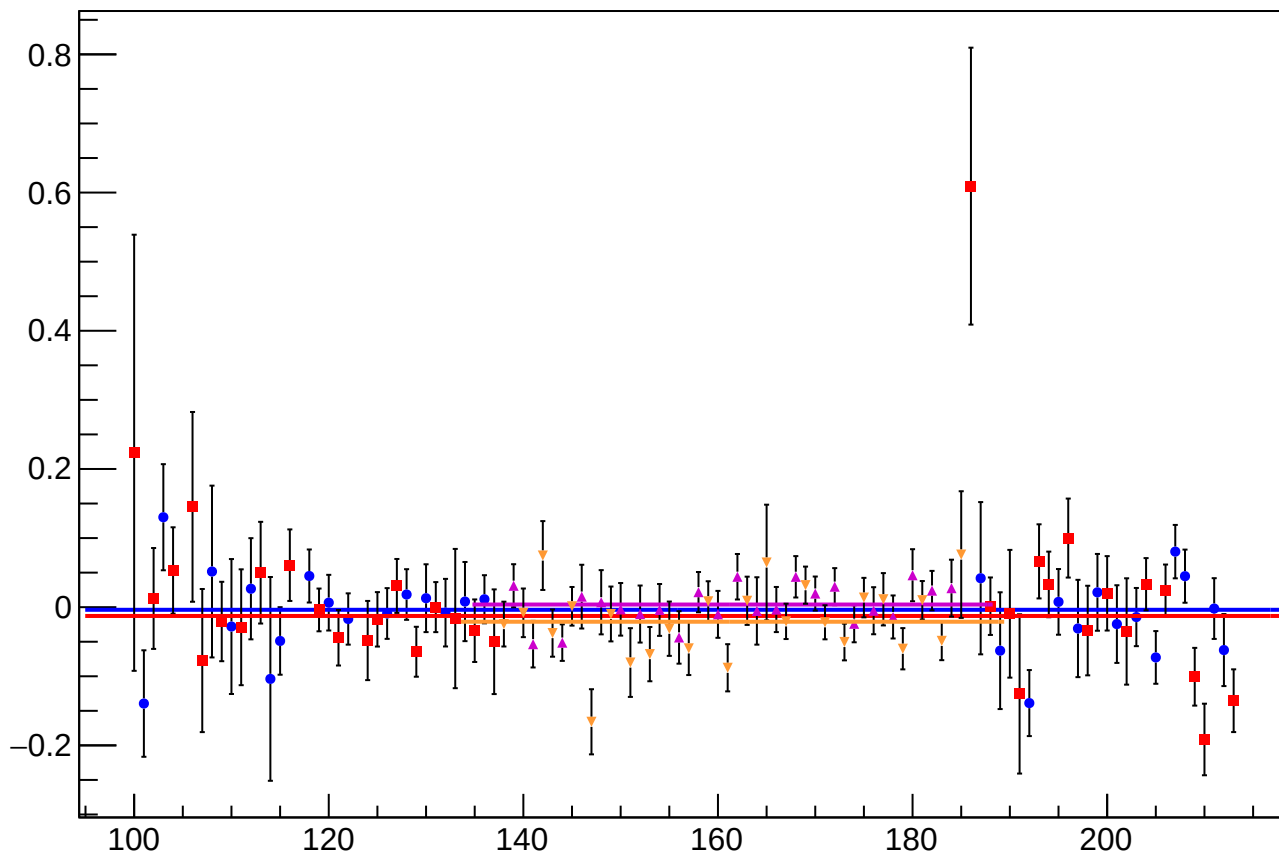
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098849.1/22

+ sign 30.765 $\pm$ 0.004 χ^2 /NDF: 5630349.6/53

All: 30.928 $\pm$ 0.003 χ^2 /NDF: 11687355.5/110

- sign 31.093 $\pm$ 0.004 χ^2 /NDF: 6053319.2/56

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.009 χ^2/NDF : 30.6/28

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.013 ± 0.009 χ^2/NDF : 55.6/33

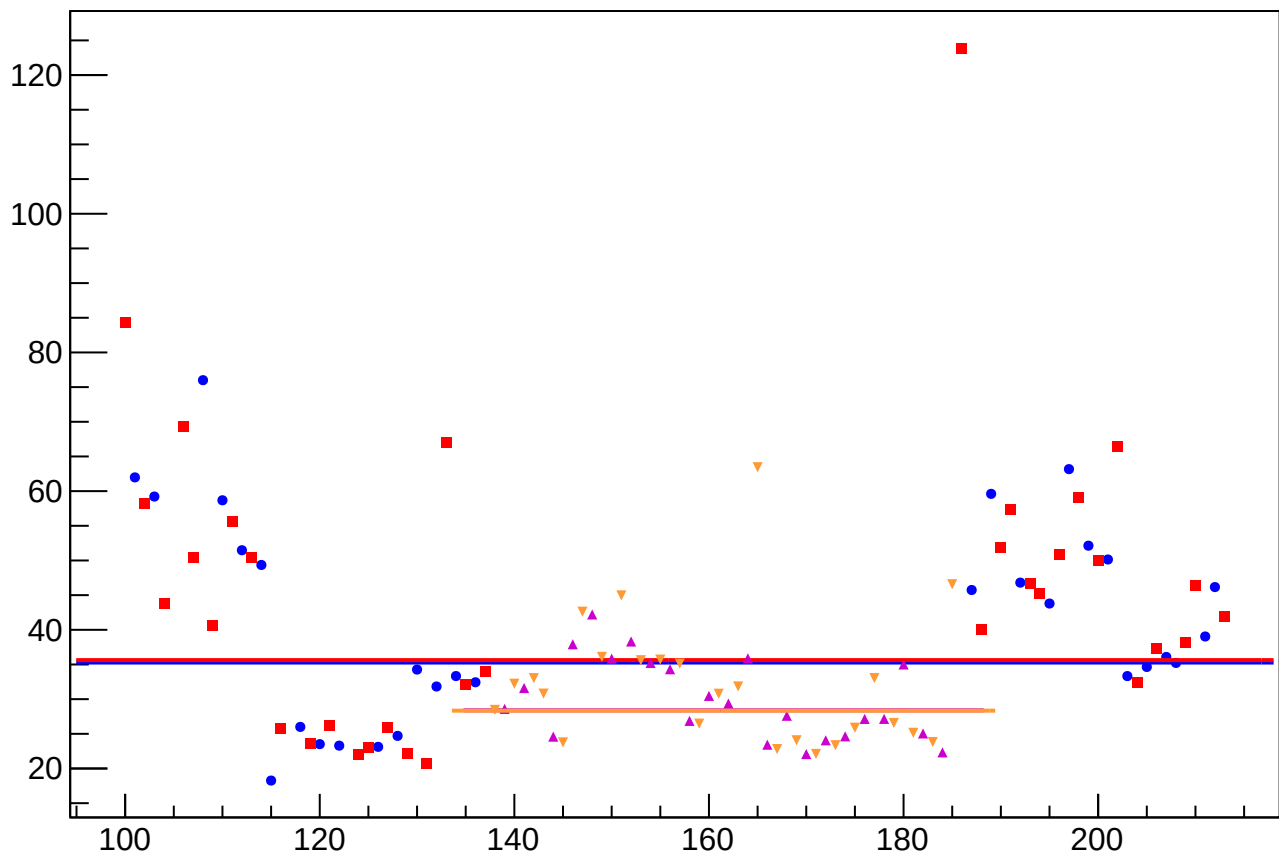
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 70.1/53

All: -0.009 ± 0.004 χ^2/NDF : 149.3/110

- sign -0.002 ± 0.005 χ^2/NDF : 76.5/56

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.282 $\pm$ 0.006 χ^2 /NDF: 3140785.6/28

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733592.1/24

Right Out: 35.633 $\pm$ 0.006 χ^2 /NDF: 4122170.9/33

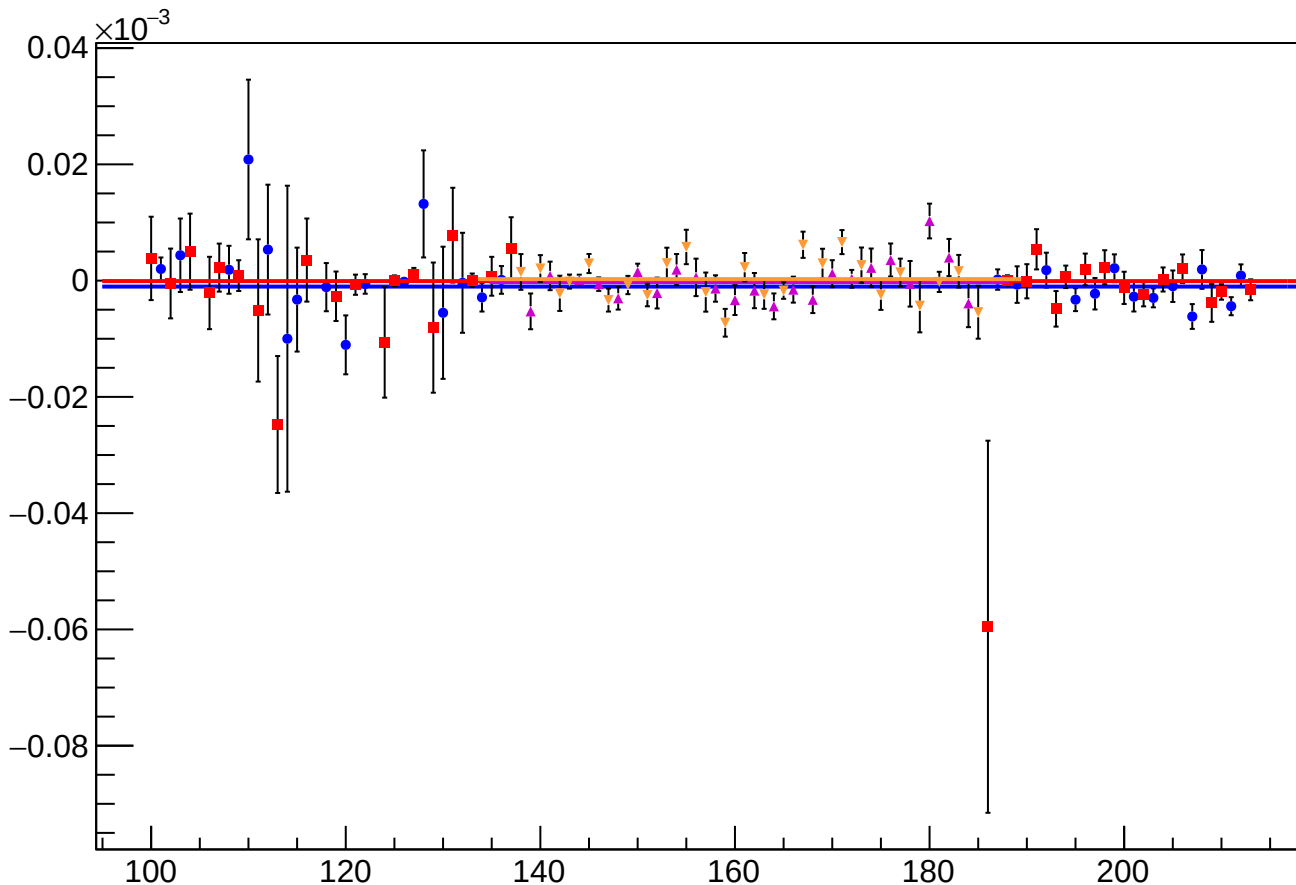
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098849.1/22

+ sign 30.765 $\pm$ 0.004 χ^2 /NDF: 5630349.6/53

All: 30.928 $\pm$ 0.003 χ^2 /NDF: 11687355.5/110

- sign 31.093 $\pm$ 0.004 χ^2 /NDF: 6053319.2/56

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 33.7/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 50.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.8/33

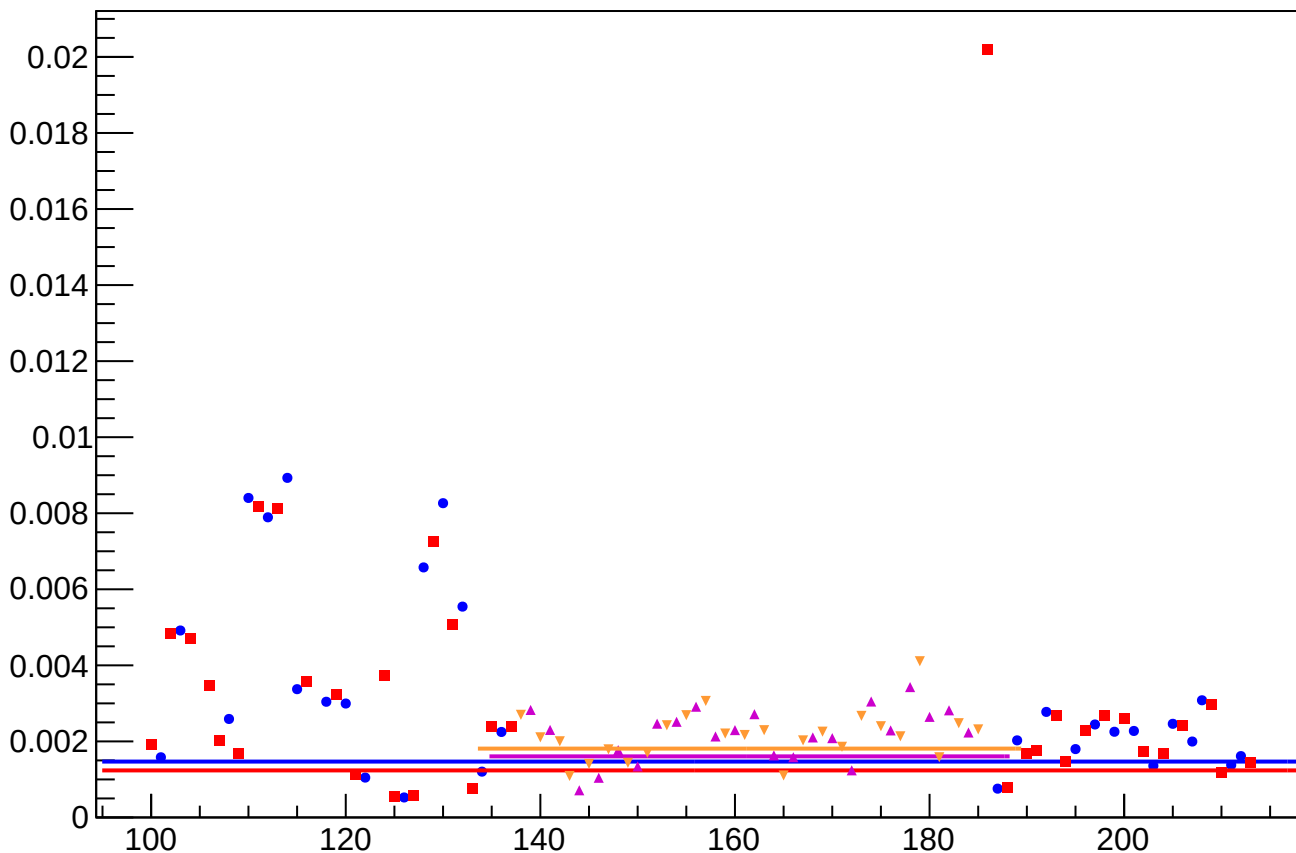
Left In: -0.000 ± 0.000 χ^2/NDF : 33.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 88.9/53

All: -0.000 ± 0.000 χ^2/NDF : 150.4/110

- sign -0.000 ± 0.000 χ^2/NDF : 61.1/56

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9761515.0/28

Left Out: 0.002+/-0.000 χ^2/NDF : 3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11656266.0/33

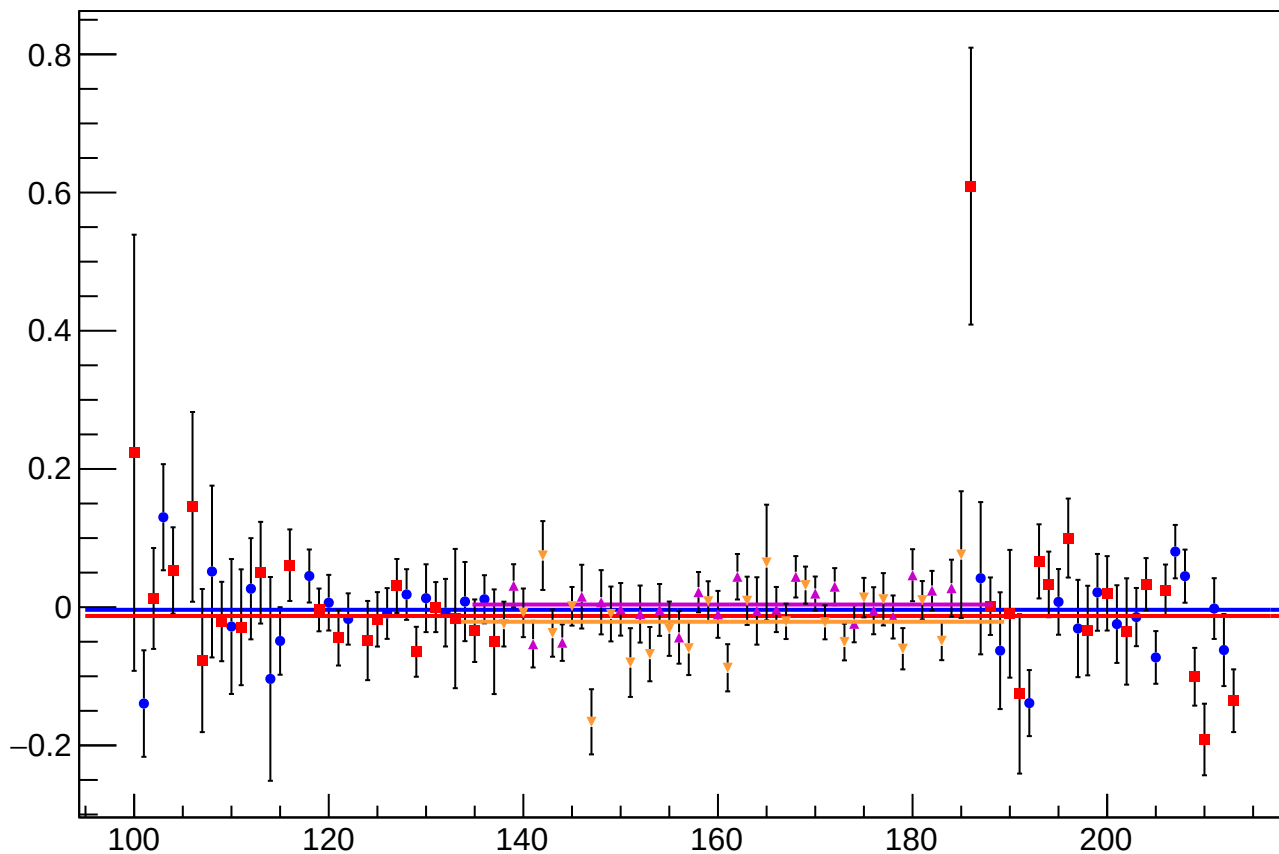
Left In: 0.002+/-0.000 χ^2/NDF : 6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF : 13818145.0/53

All: 0.002+/-0.000 χ^2/NDF : 33076431.7/110

- sign 0.001+/-0.000 χ^2/NDF : 18562276.8/56

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004 ± 0.009 χ^2/NDF : 30.6/28

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.013 ± 0.009 χ^2/NDF : 55.7/33

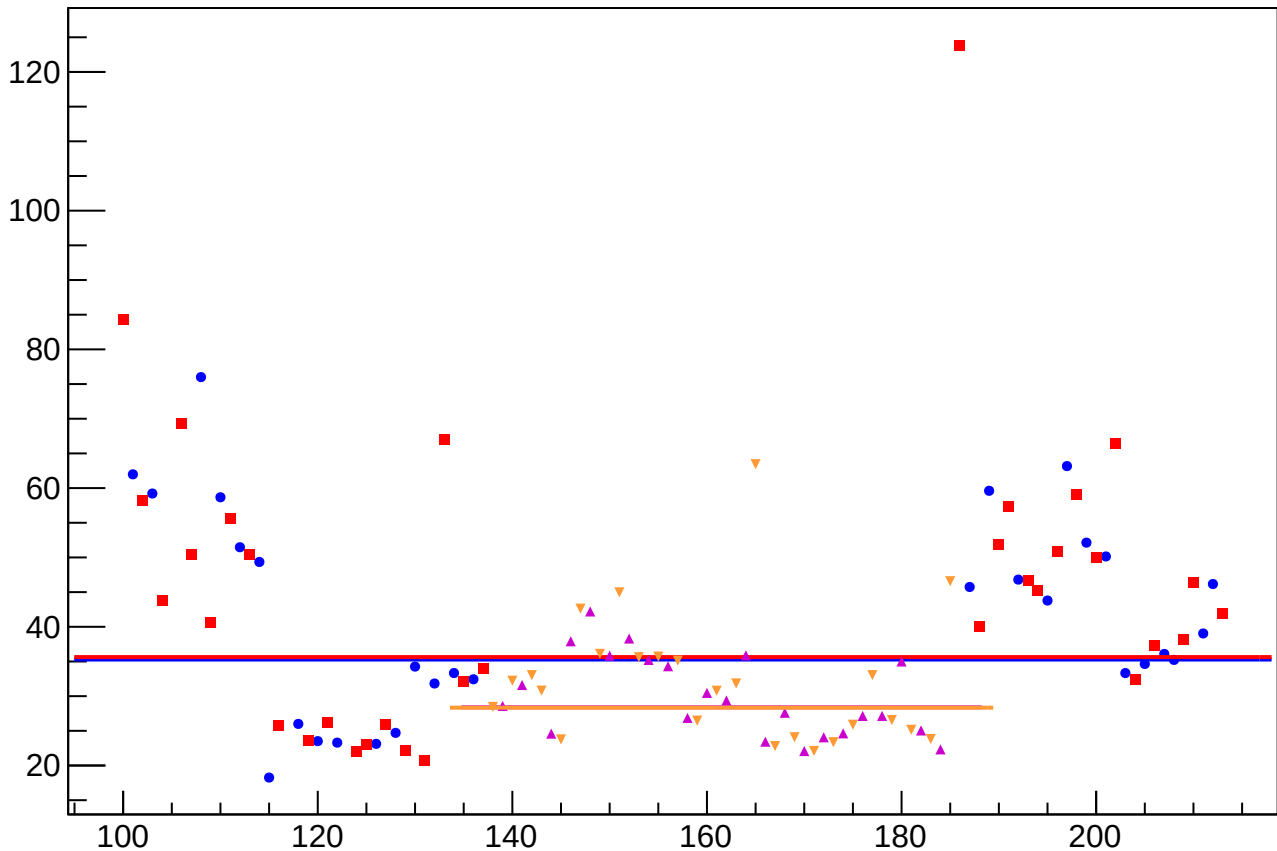
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 70.1/53

All: -0.009 ± 0.004 χ^2/NDF : 149.3/110

- sign -0.002 ± 0.005 χ^2/NDF : 76.5/56

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.282 $\pm$ 0.006 χ^2 /NDF: 3140662.4/28

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733585.3/24

Right Out: 35.632 $\pm$ 0.006 χ^2 /NDF: 4122297.2/33

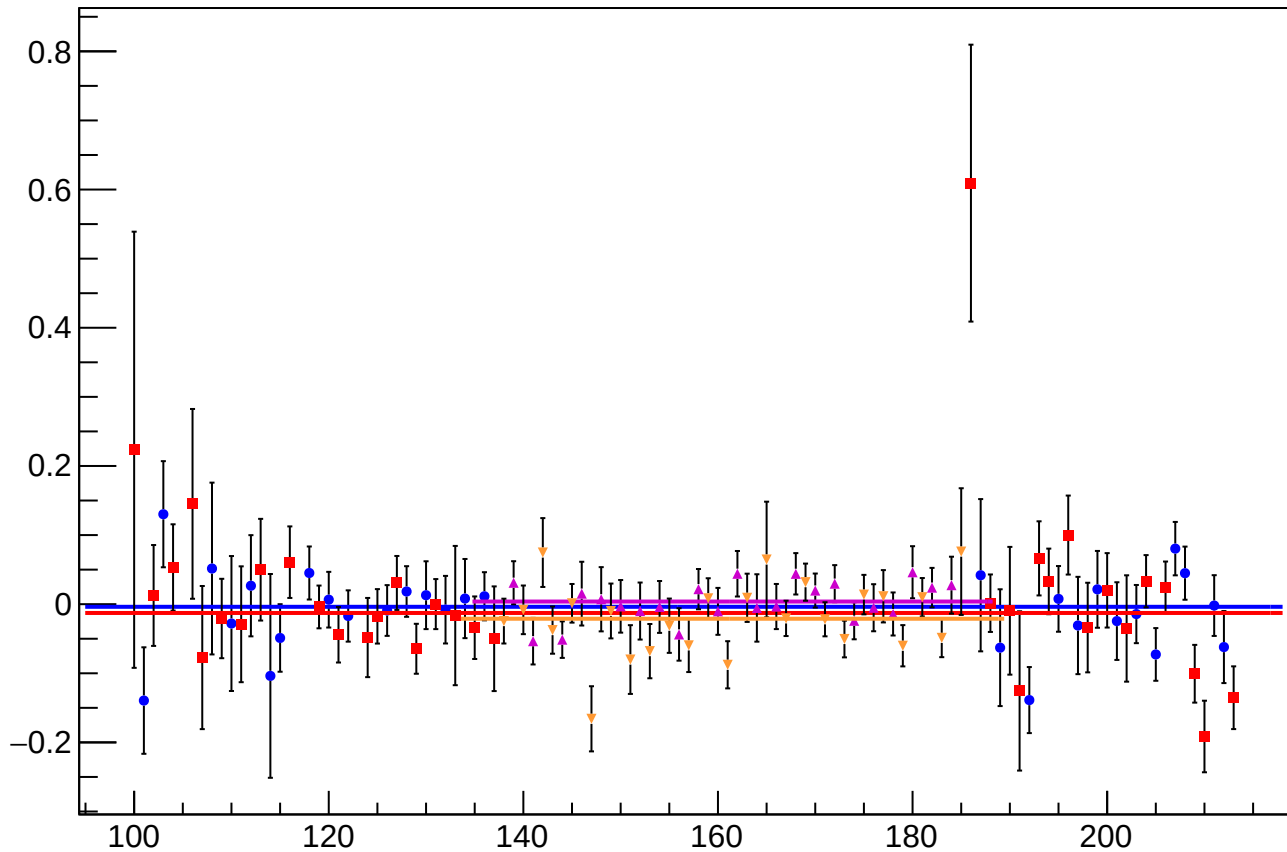
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098852.1/22

+ sign 30.765 $\pm$ 0.004 χ^2 /NDF: 5630201.4/53

All: 30.928 $\pm$ 0.003 χ^2 /NDF: 11687188.8/110

- sign 31.093 $\pm$ 0.004 χ^2 /NDF: 6053300.5/56

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004 ± 0.009 χ^2/NDF : 30.6/28

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.013 ± 0.009 χ^2/NDF : 55.7/33

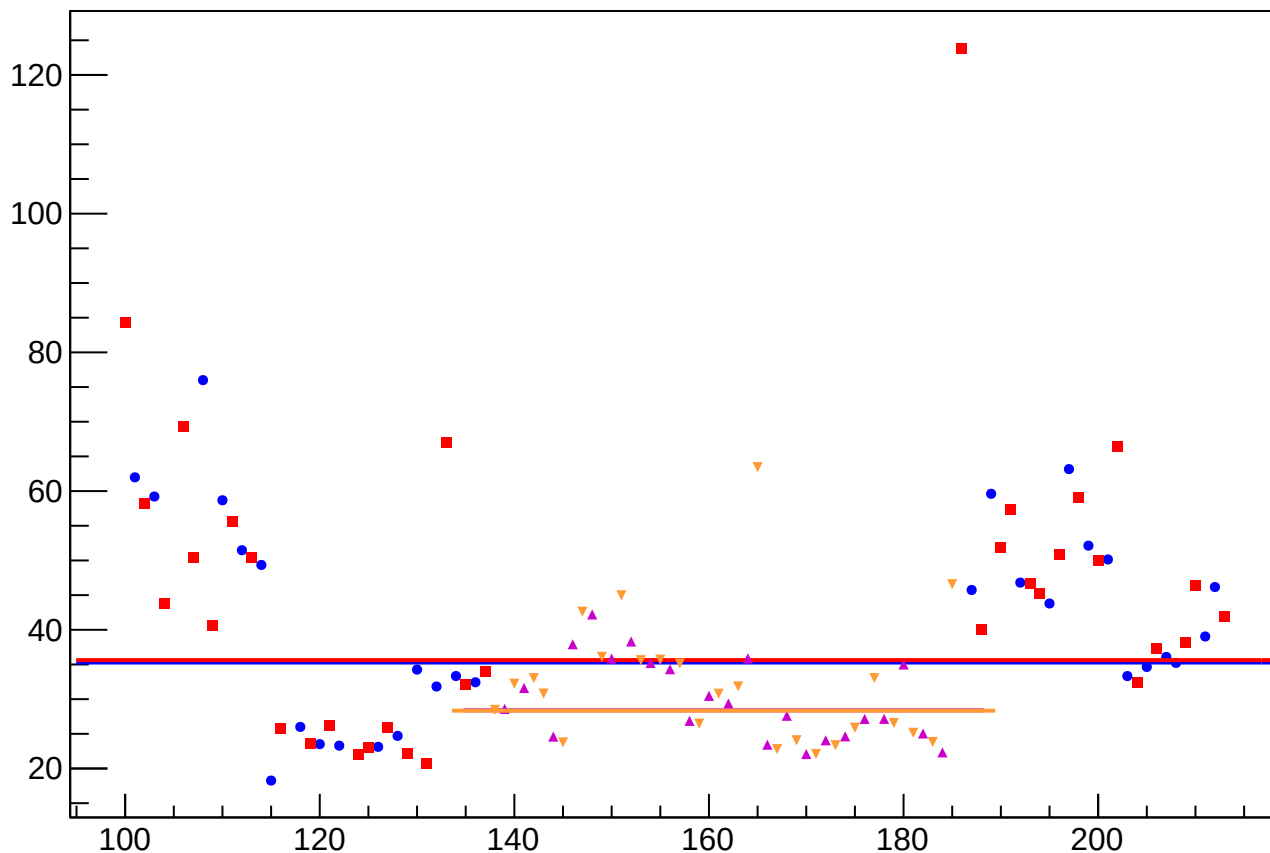
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.015 ± 0.005 χ^2/NDF : 70.1/53

All: -0.009 ± 0.004 χ^2/NDF : 149.3/110

- sign -0.002 ± 0.005 χ^2/NDF : 76.5/56

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.282 $\pm$ 0.006 χ^2 /NDF: 3140662.4/28

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733585.3/24

Right Out: 35.632 $\pm$ 0.006 χ^2 /NDF: 4122297.2/33

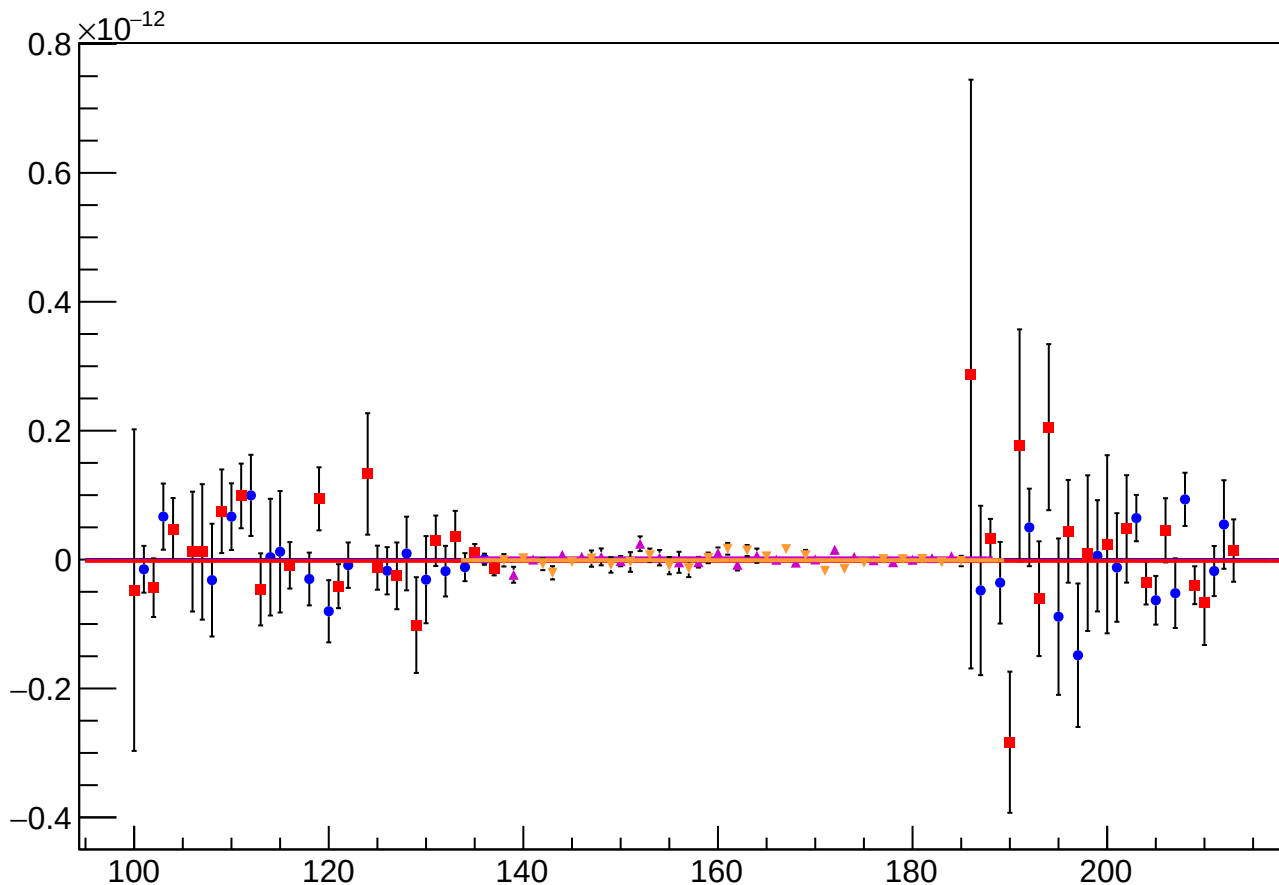
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098852.1/22

+ sign 30.765 $\pm$ 0.004 χ^2 /NDF: 5630201.4/53

All: 30.928 $\pm$ 0.003 χ^2 /NDF: 11687188.8/110

- sign 31.093 $\pm$ 0.004 χ^2 /NDF: 6053300.5/56

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 26.8/28

Left Out: -0.000+/-0.000 χ^2/NDF : 34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 39.1/33

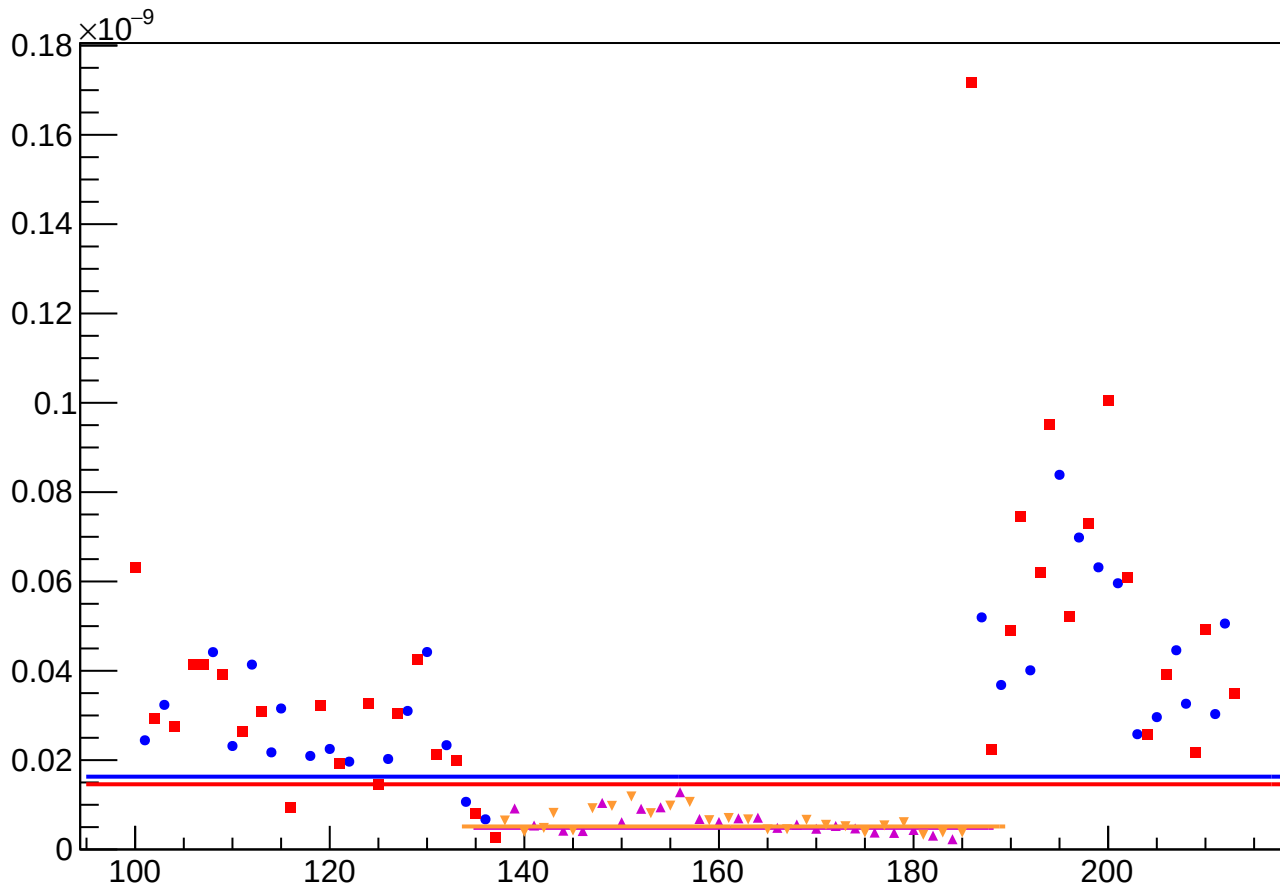
Left In: 0.000+/-0.000 χ^2/NDF : 19.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 60.9/53

All: 0.000+/-0.000 χ^2/NDF : 121.7/110

- sign 0.000+/-0.000 χ^2/NDF : 59.0/56

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9029466.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11685040.0/33

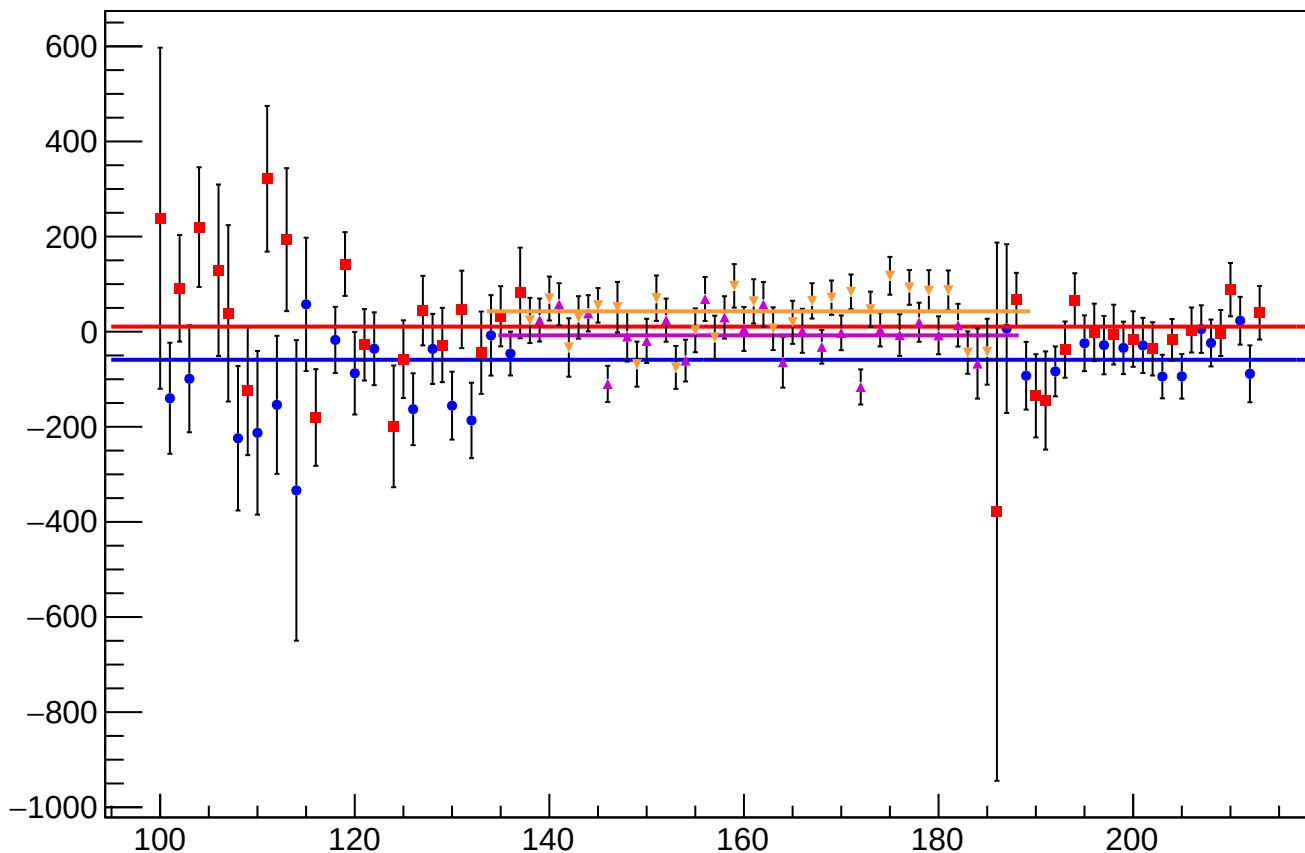
Left In: 0.000+/-0.000 χ^2/NDF : 3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 18138562.0/53

All: 0.000+/-0.000 χ^2/NDF : 37865980.6/110

- sign 0.000+/-0.000 χ^2/NDF : 19660744.0/56

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -59.055 ± 12.530 χ^2/NDF : 19.8/28

Left Out: 42.765 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 10.614 ± 12.524 χ^2/NDF : 35.4/33

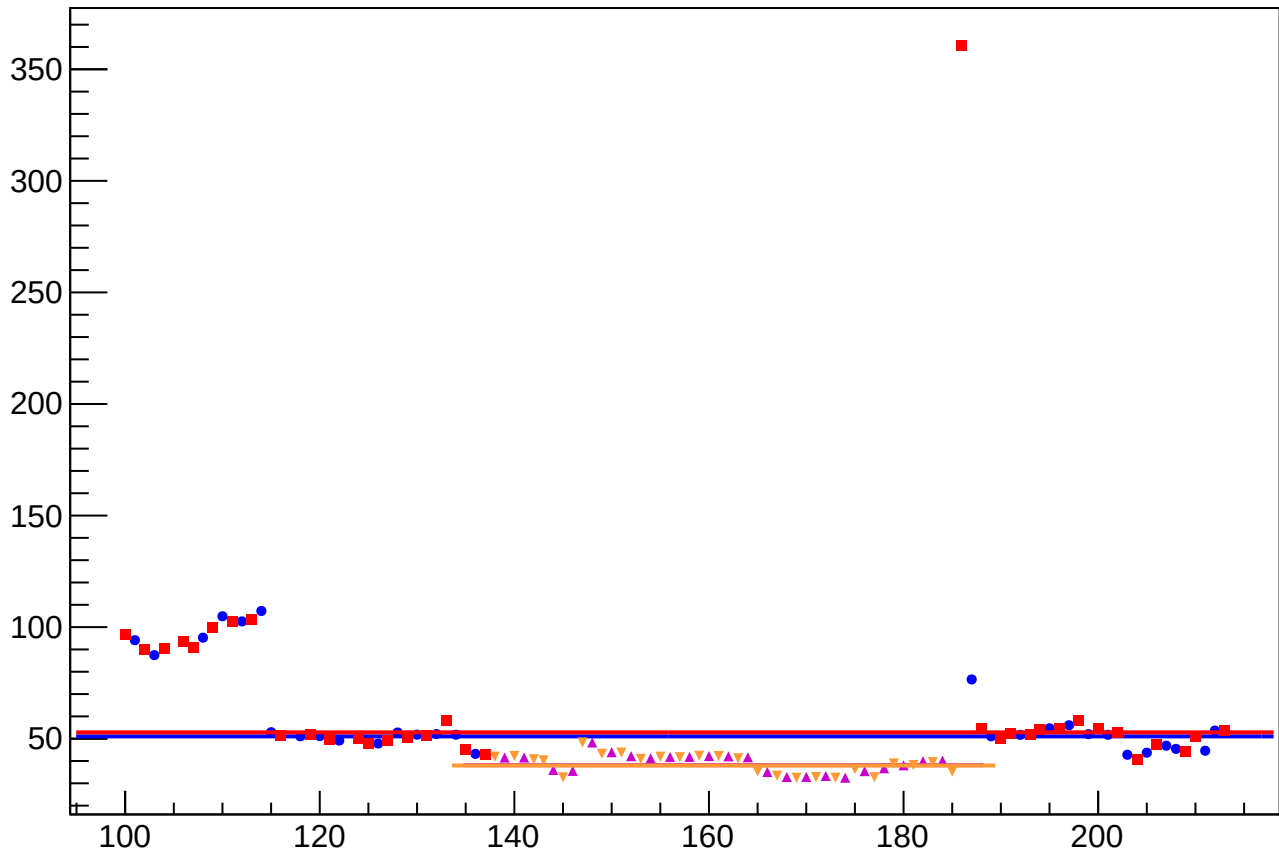
Left In: -7.783 ± 8.974 χ^2/NDF : 30.6/22

+ sign 9.655 ± 7.145 χ^2/NDF : 99.1/53

All: 4.173 ± 5.105 χ^2/NDF : 167.7/110

- sign -1.542 ± 7.295 χ^2/NDF : 67.4/56

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.035 $\pm$ 0.009 χ^2 /NDF: 1481360.5/28

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 52.847 $\pm$ 0.009 χ^2 /NDF: 2238419.1/33

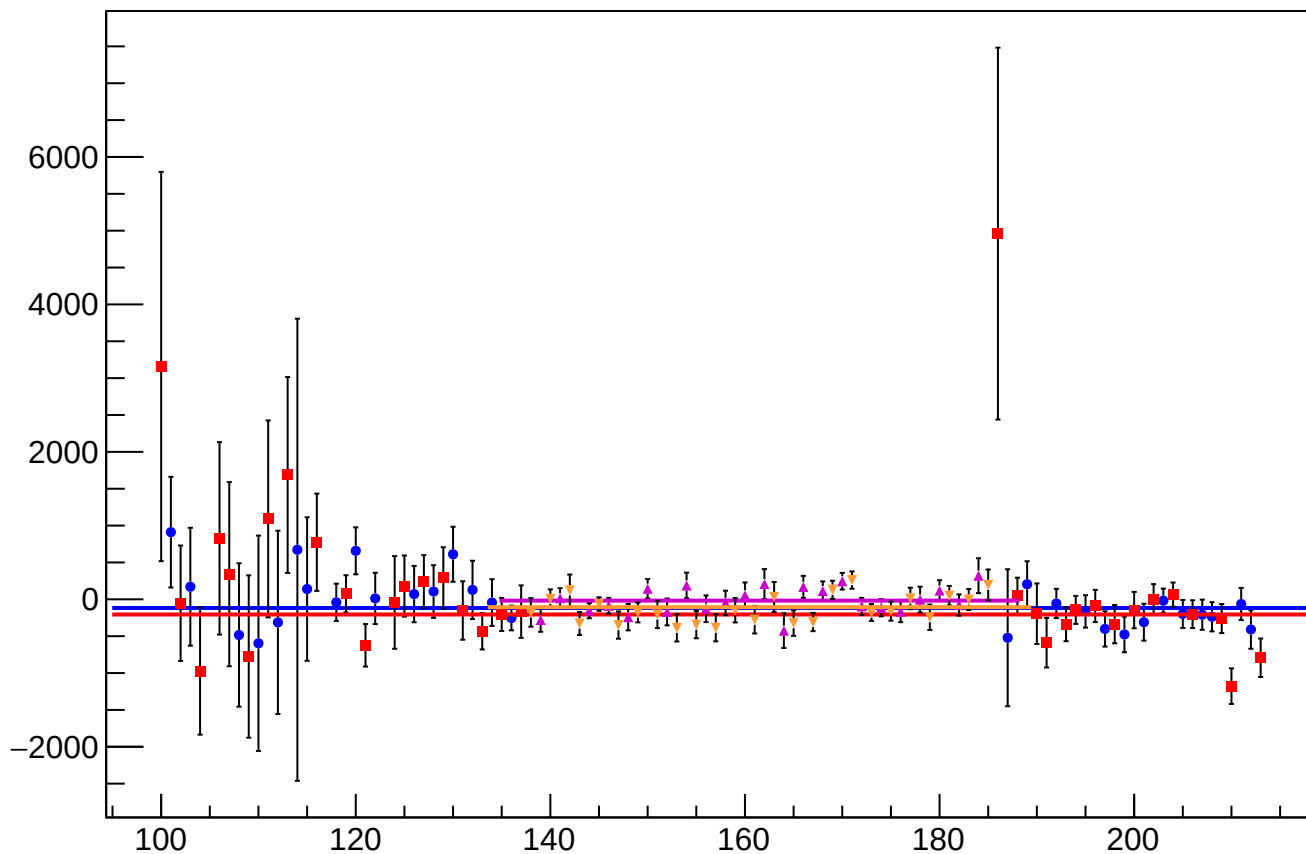
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.232 $\pm$ 0.005 χ^2 /NDF: 3457774.1/53

All: 42.669 $\pm$ 0.004 χ^2 /NDF: 7963694.8/110

- sign 43.124 $\pm$ 0.005 χ^2 /NDF: 4490634.2/56

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -117.623 ± 51.807 χ^2/NDF : 22.1/28

Left Out: -106.506 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -205.837 ± 50.896 χ^2/NDF : 49.4/33

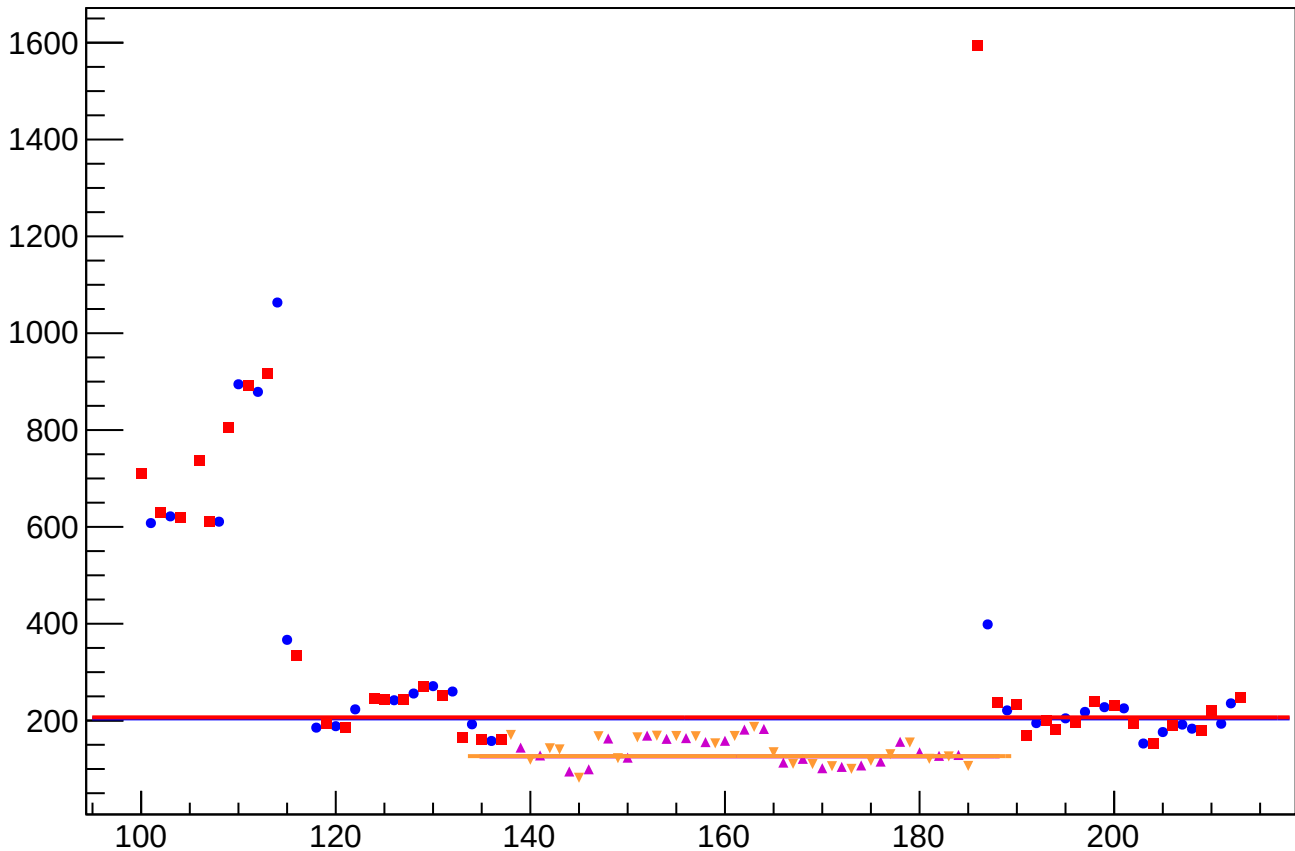
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -109.237 ± 25.677 χ^2/NDF : 59.8/53

All: -88.115 ± 18.256 χ^2/NDF : 149.0/110

- sign -66.520 ± 25.963 χ^2/NDF : 87.8/56

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 204.486 $\pm$ 0.037 χ^2 /NDF: 3501191.8/28

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758158.3/24

Right Out: 206.637 $\pm$ 0.036 χ^2 /NDF: 4827414.4/33

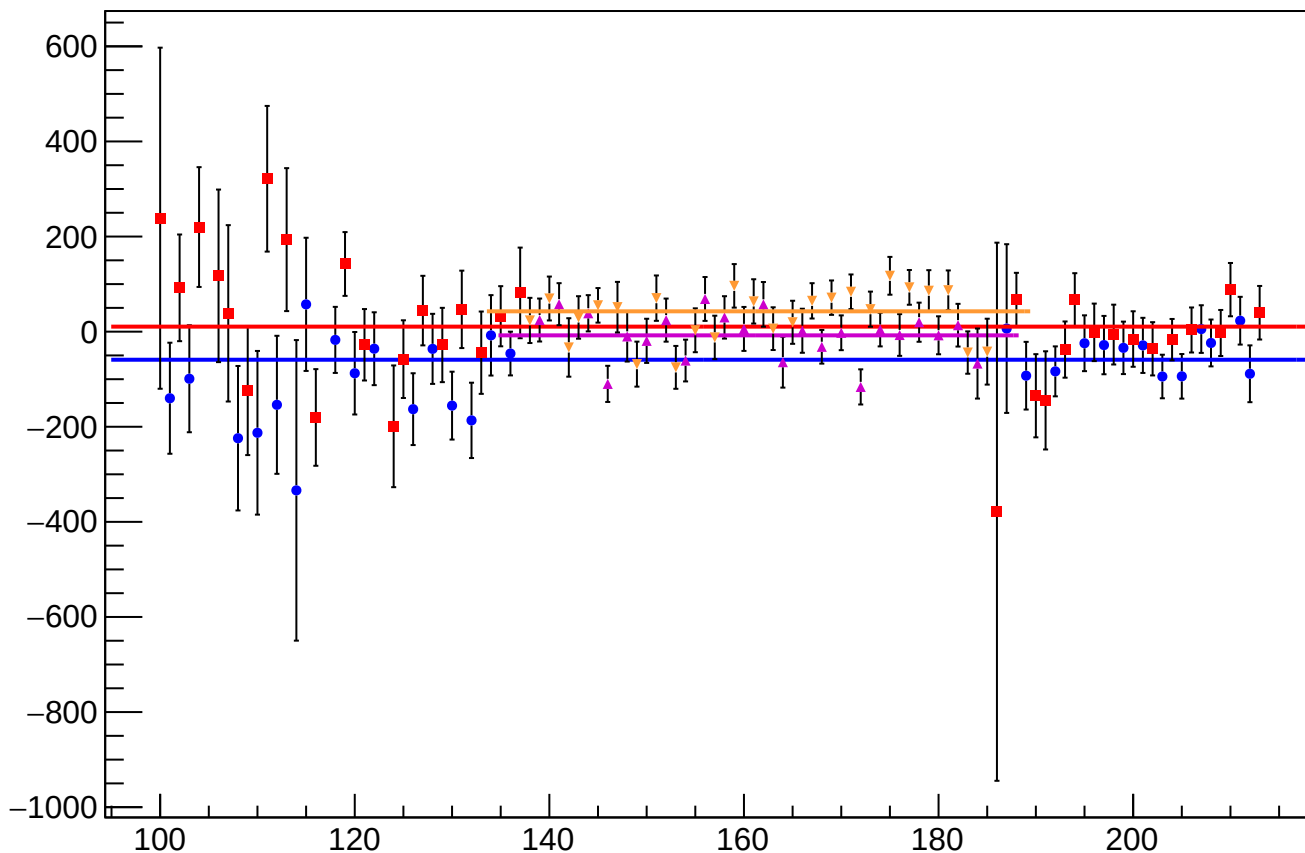
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410655.7/22

+ sign 145.703 $\pm$ 0.018 χ^2 /NDF: 8672746.9/53

All: 146.341 $\pm$ 0.013 χ^2 /NDF: 18626057.5/11

- sign 146.993 $\pm$ 0.018 χ^2 /NDF: 9950813.7/56

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -59.052 ± 12.530 χ^2/NDF : 19.8/28

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 10.561 ± 12.525 χ^2/NDF : 35.3/33

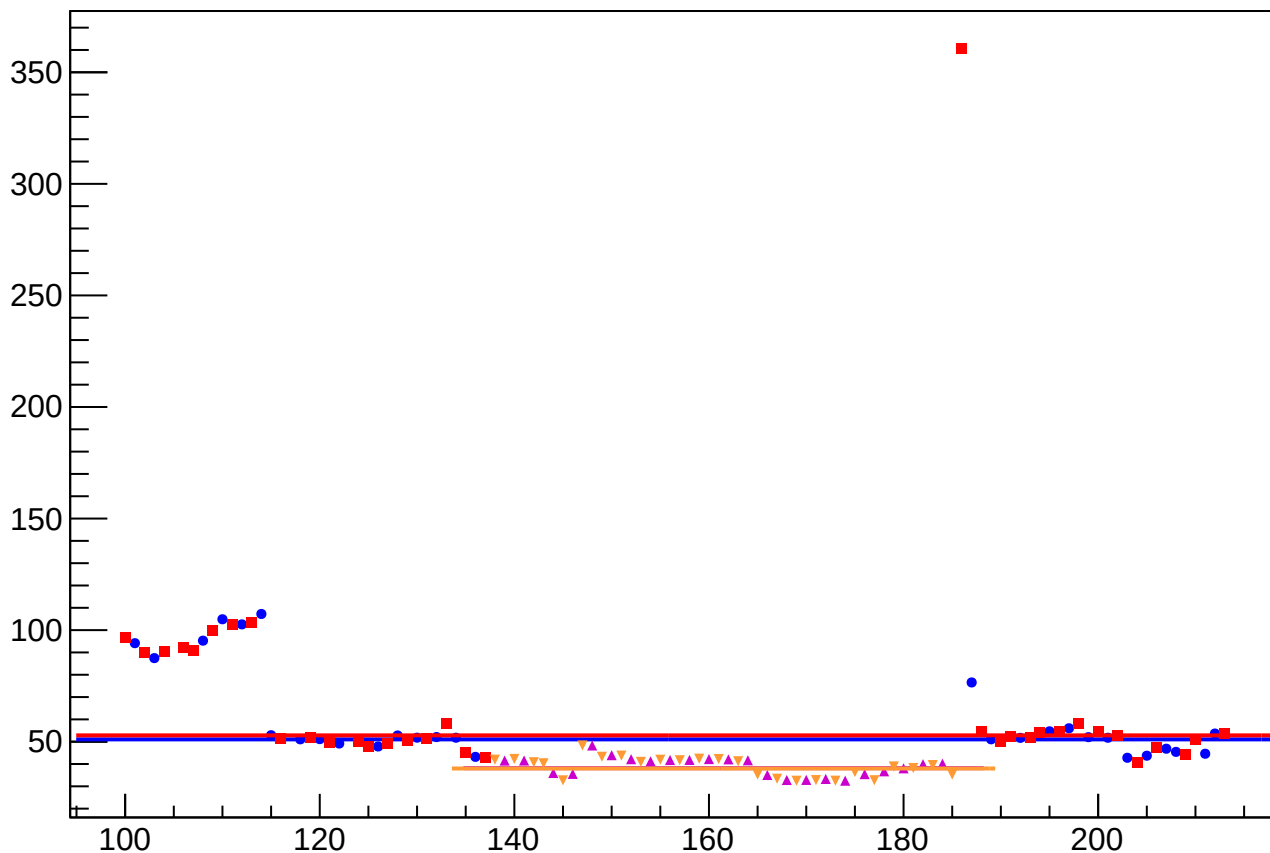
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 9.657 ± 7.145 χ^2/NDF : 99.1/53

All: 4.164 ± 5.105 χ^2/NDF : 167.6/110

- sign -1.561 ± 7.295 χ^2/NDF : 67.3/56

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.035 $\pm$ 0.009 χ^2 /NDF: 1481360.8/28

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 52.837 $\pm$ 0.009 χ^2 /NDF: 2229890.7/33

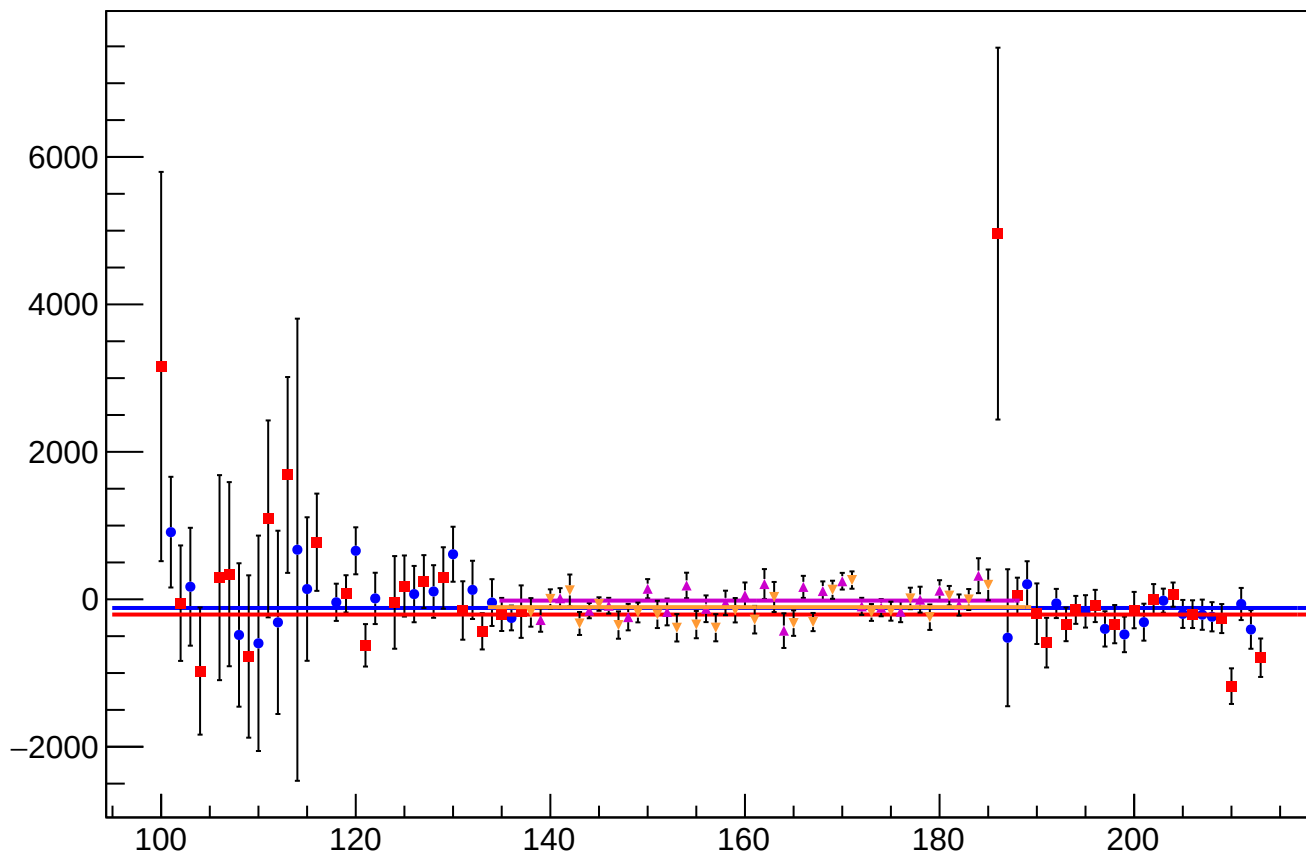
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.232 $\pm$ 0.005 χ^2 /NDF: 3457774.3/53

All: 42.667 $\pm$ 0.004 χ^2 /NDF: 7952596.9/110

- sign 43.121 $\pm$ 0.005 χ^2 /NDF: 4479654.5/56

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -117.621 ± 51.807 χ^2/NDF : 22.1/28

Left Out: -106.505 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -206.729 ± 50.901 χ^2/NDF : 48.9/33

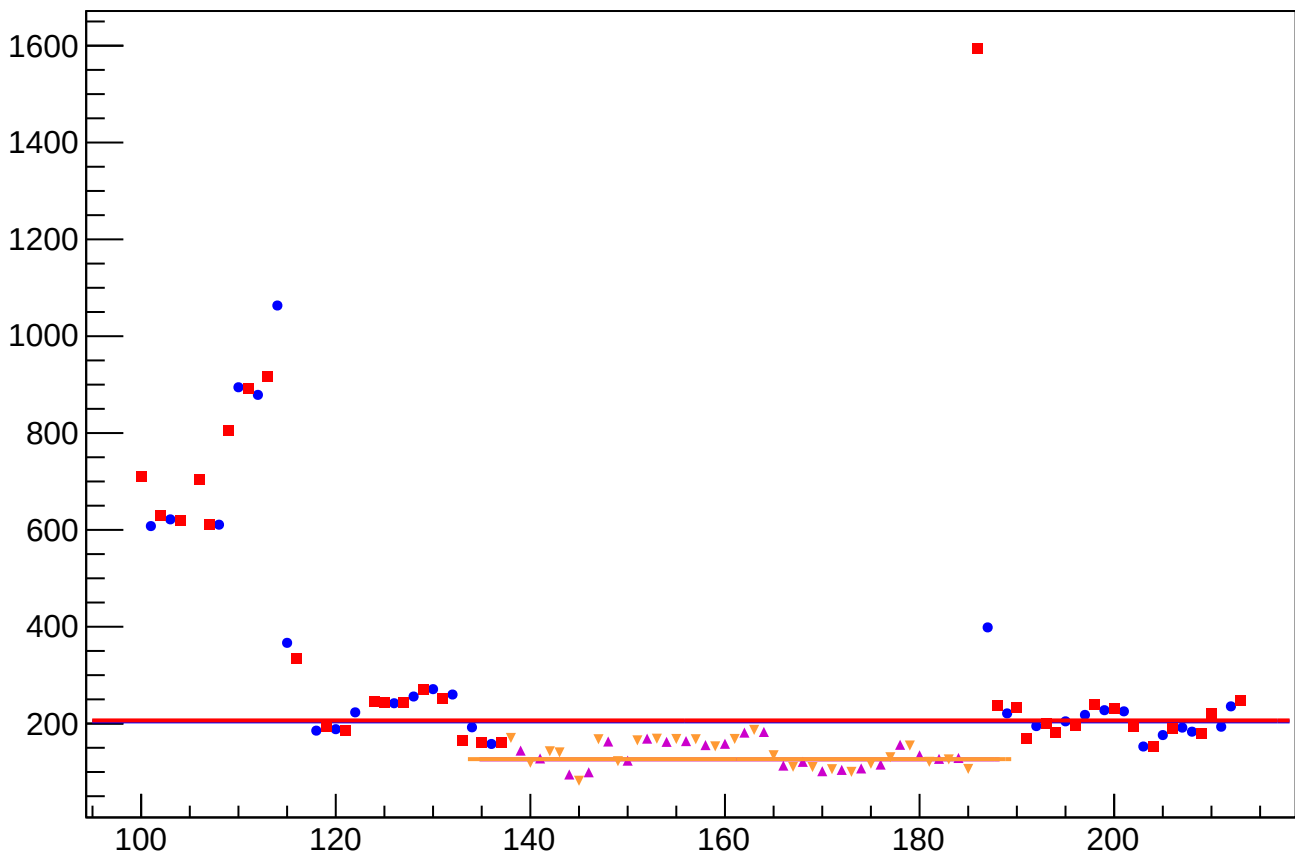
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -109.236 ± 25.677 χ^2/NDF : 59.8/53

All: -88.227 ± 18.257 χ^2/NDF : 148.6/110

- sign -66.746 ± 25.963 χ^2/NDF : 87.4/56

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 204.486+/-0.037 χ^2/NDF : 3501200.8/28

Left Out: 126.561+/-0.021 χ^2/NDF :1758151.9/24

Right Out: 206.498+/-0.036 χ^2/NDF : 4754358.4/33

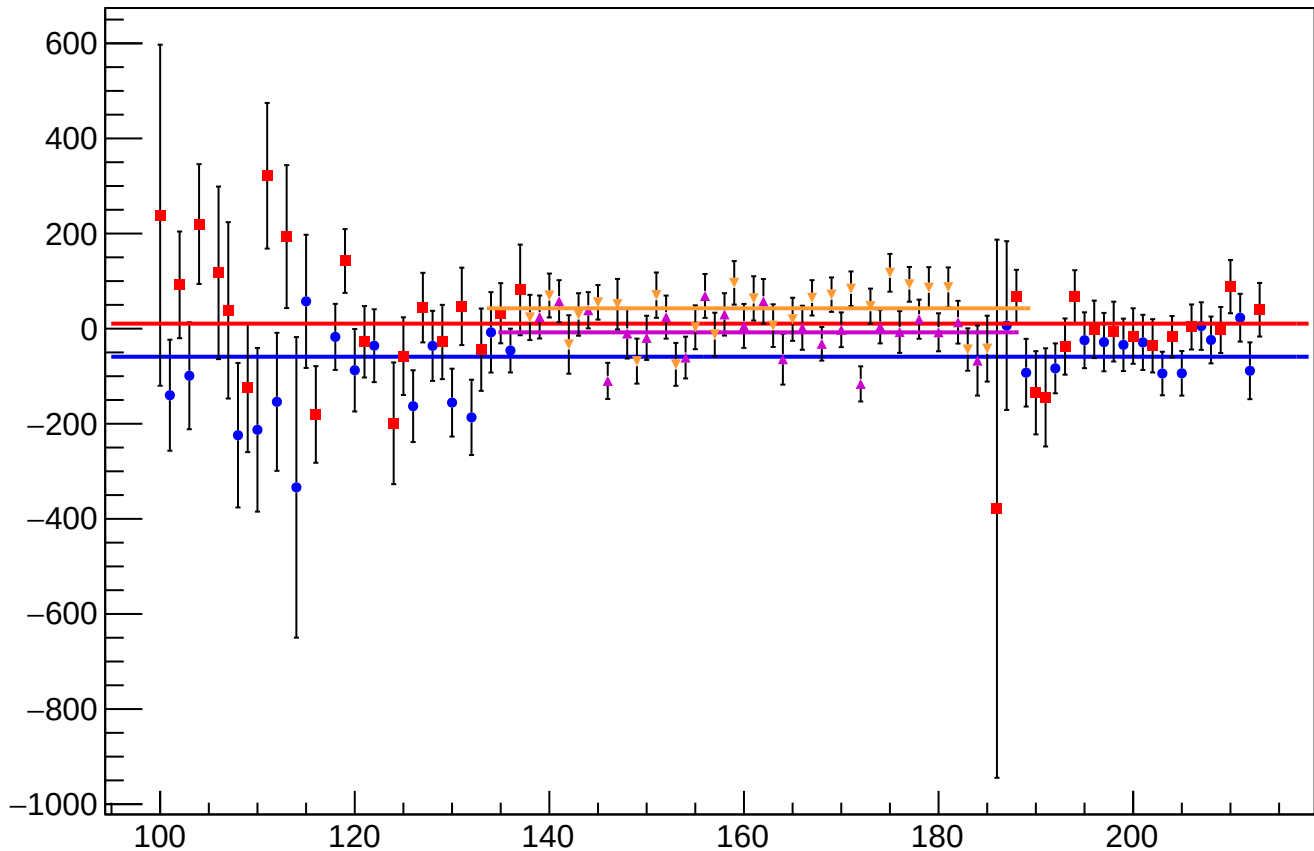
Left In: 126.013+/-0.021 χ^2/NDF :1410664.0/22

+ sign 145.703+/-0.018 χ^2/NDF : 8672742.2/53

All: 146.321+/-0.013 χ^2/NDF : 18539553.7/11

- sign 146.954+/-0.018 χ^2/NDF : 9864464.0/56

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -59.052 ± 12.530 χ^2/NDF : 19.8/28

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 10.561 ± 12.525 χ^2/NDF : 35.3/33

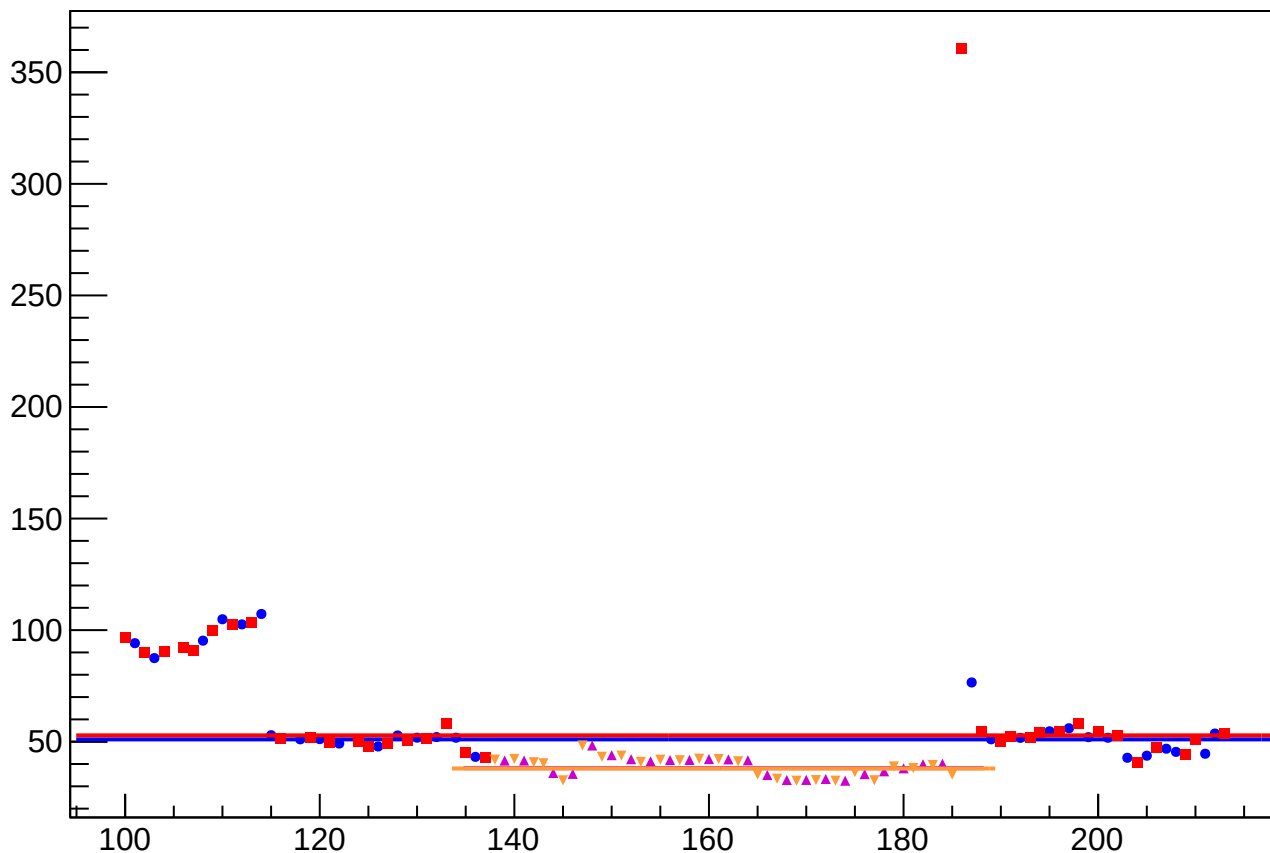
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 9.657 ± 7.145 χ^2/NDF : 99.1/53

All: 4.164 ± 5.105 χ^2/NDF : 167.6/110

- sign -1.561 ± 7.295 χ^2/NDF : 67.3/56

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.035 $\pm$ 0.009 χ^2 /NDF: 1481360.8/28

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 52.837 $\pm$ 0.009 χ^2 /NDF: 2229890.7/33

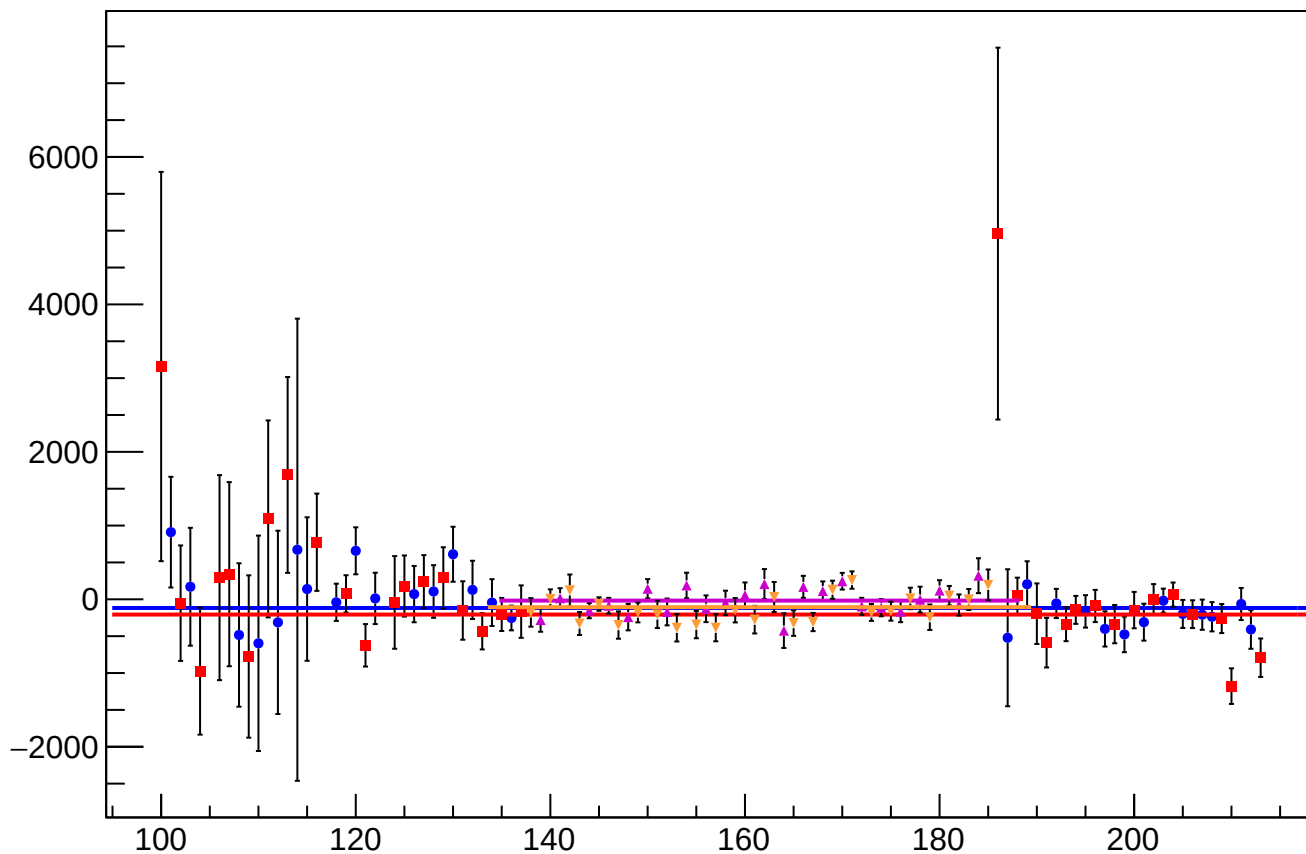
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 42.232 $\pm$ 0.005 χ^2 /NDF: 3457774.3/53

All: 42.667 $\pm$ 0.004 χ^2 /NDF: 7952596.9/110

- sign 43.121 $\pm$ 0.005 χ^2 /NDF: 4479654.5/56

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: -117.621 ± 51.807 χ^2/NDF : 22.1/28

Left Out: -106.505 ± 29.563 χ^2/NDF : 37.6/24

Right Out: -206.729 ± 50.901 χ^2/NDF : 48.9/33

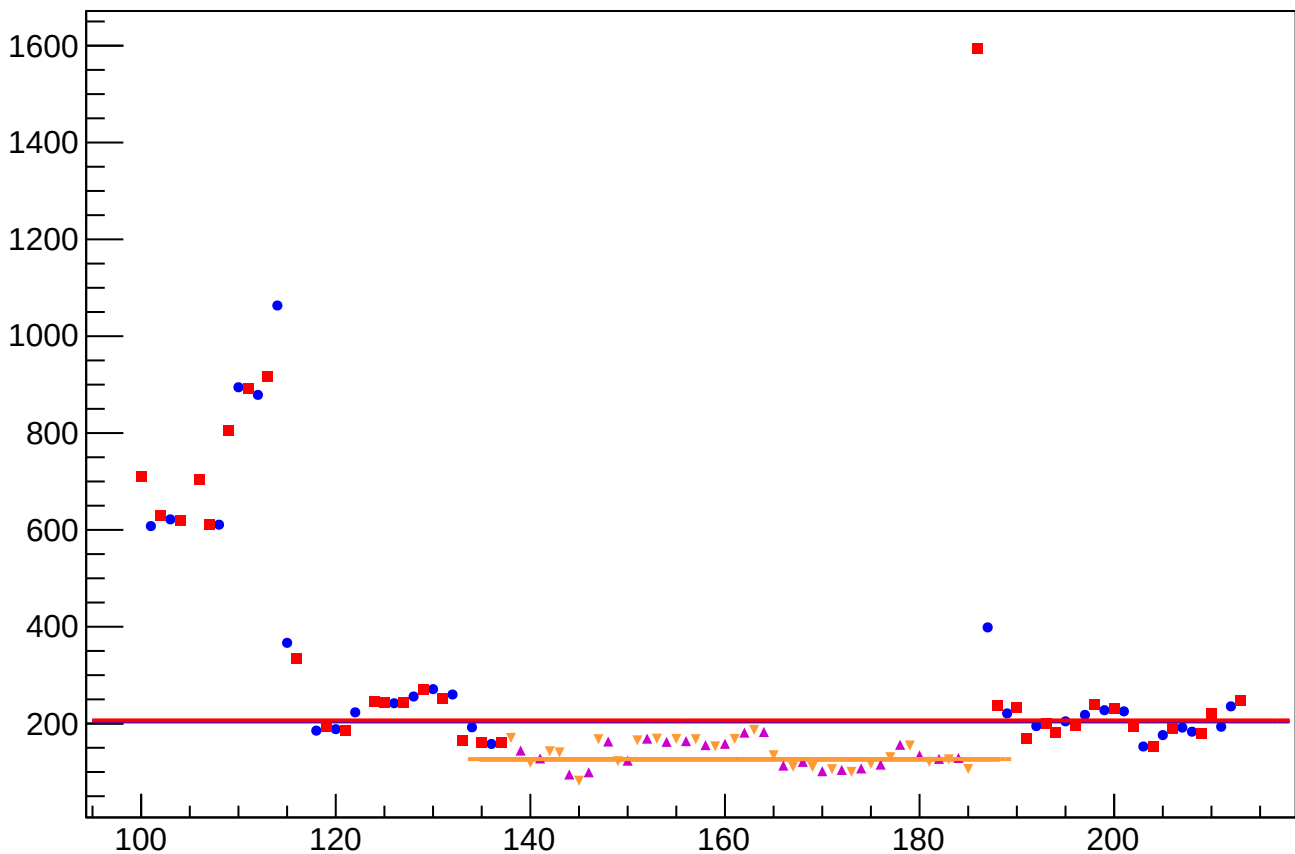
Left In: -17.517 ± 30.185 χ^2/NDF : 28.2/22

+ sign -109.236 ± 25.677 χ^2/NDF : 59.8/53

All: -88.227 ± 18.257 χ^2/NDF : 148.6/110

- sign -66.746 ± 25.963 χ^2/NDF : 87.4/56

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 204.486 $\pm$ 0.037 χ^2 /NDF: 3501200.8/28

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 206.498 $\pm$ 0.036 χ^2 /NDF: 4754358.4/33

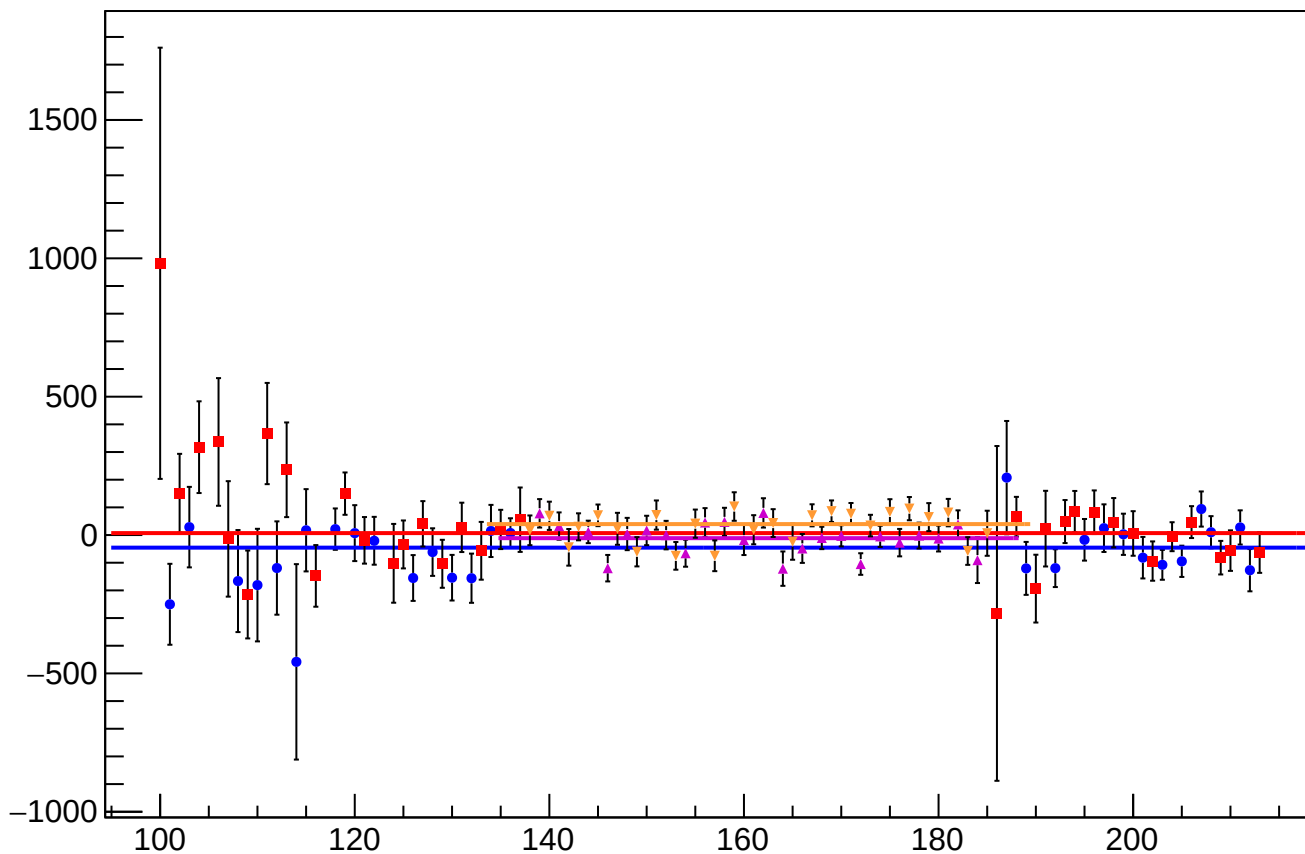
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 145.703 $\pm$ 0.018 χ^2 /NDF: 8672742.2/53

All: 146.321 $\pm$ 0.013 χ^2 /NDF: 18539553.7/11

- sign 146.954 $\pm$ 0.018 χ^2 /NDF: 9864464.0/56

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -45.523 ± 15.218 χ^2/NDF : 27.6/28

Left Out: 39.563 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 7.044 ± 15.444 χ^2/NDF : 37.0/33

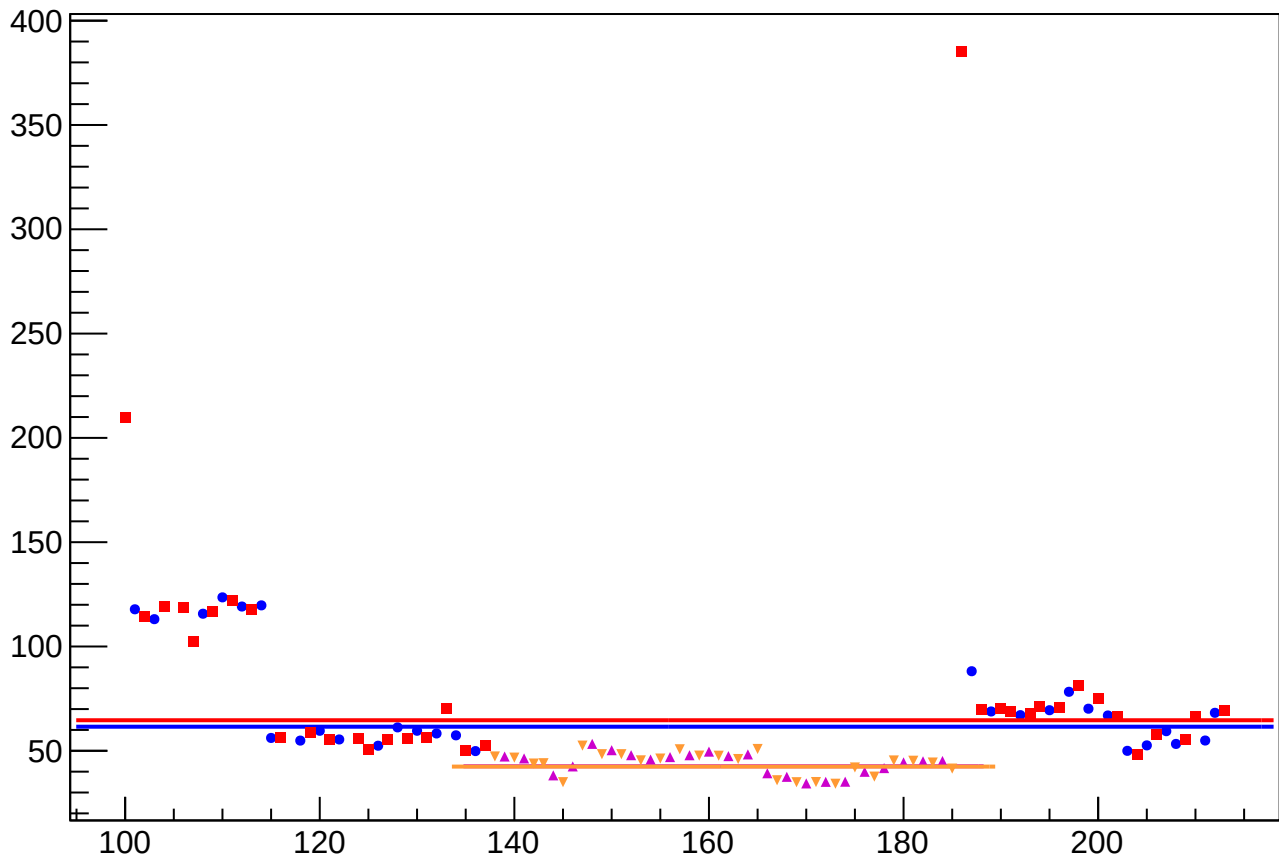
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 14.818 ± 8.207 χ^2/NDF : 79.4/53

All: 4.784 ± 5.884 χ^2/NDF : 148.3/110

- sign -5.826 ± 8.439 χ^2/NDF : 65.9/56

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.547 ± 0.011 $\chi^2/\text{NDF}: 1767440.9/28$

Left Out: 42.426 ± 0.007 $\chi^2/\text{NDF}: 698766.0/24$

Right Out: 64.648 ± 0.011 $\chi^2/\text{NDF}: 2584131.2/33$

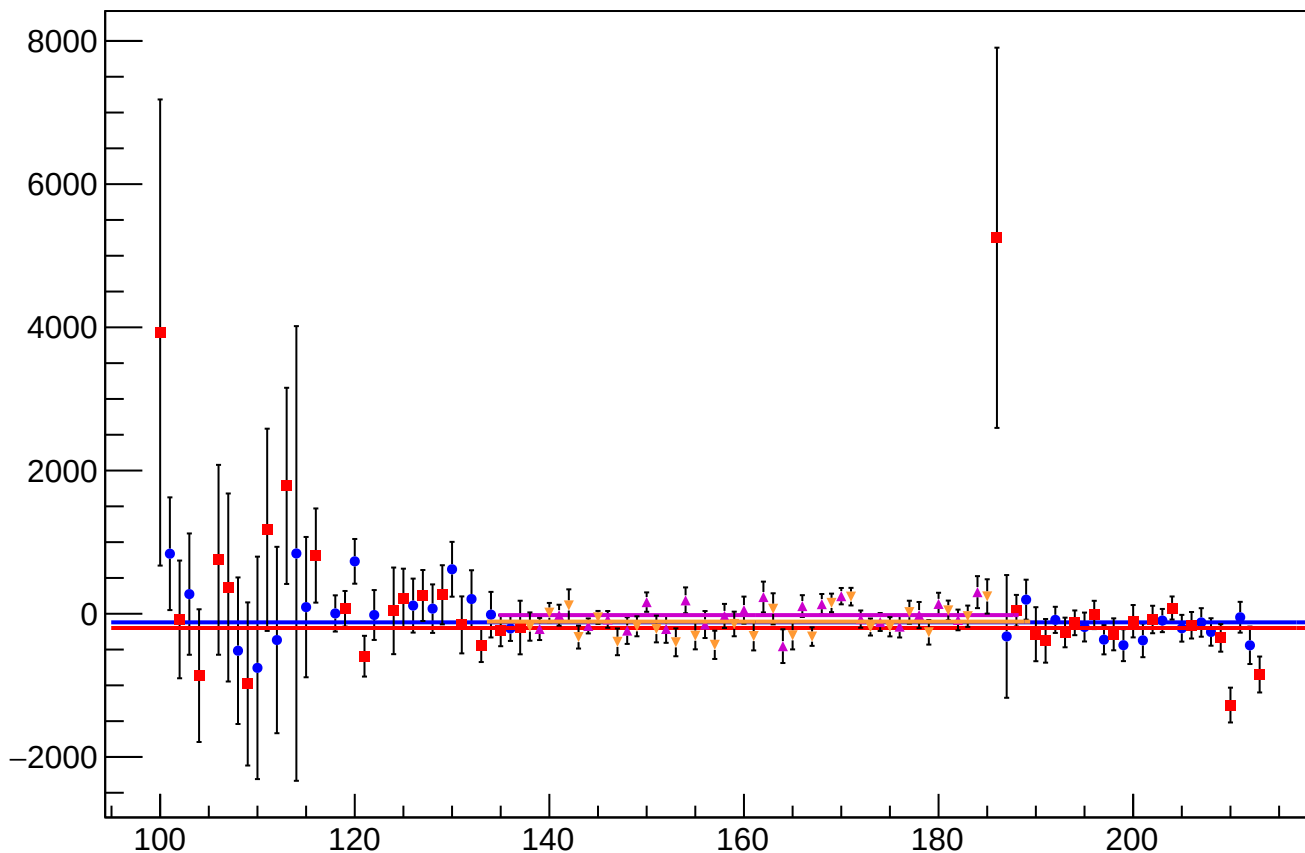
Left In: 42.579 ± 0.007 $\chi^2/\text{NDF}: 589897.0/22$

+ sign 47.987 ± 0.006 $\chi^2/\text{NDF}: 4705467.9/53$

All: 48.562 ± 0.004 $\chi^2/\text{NDF}: 10764078.7/110$

- sign 49.169 ± 0.006 $\chi^2/\text{NDF}: 6038446.2/56$

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -119.963 ± 50.116 χ^2/NDF : 23.8/28

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -198.869 ± 48.399 χ^2/NDF : 54.5/33

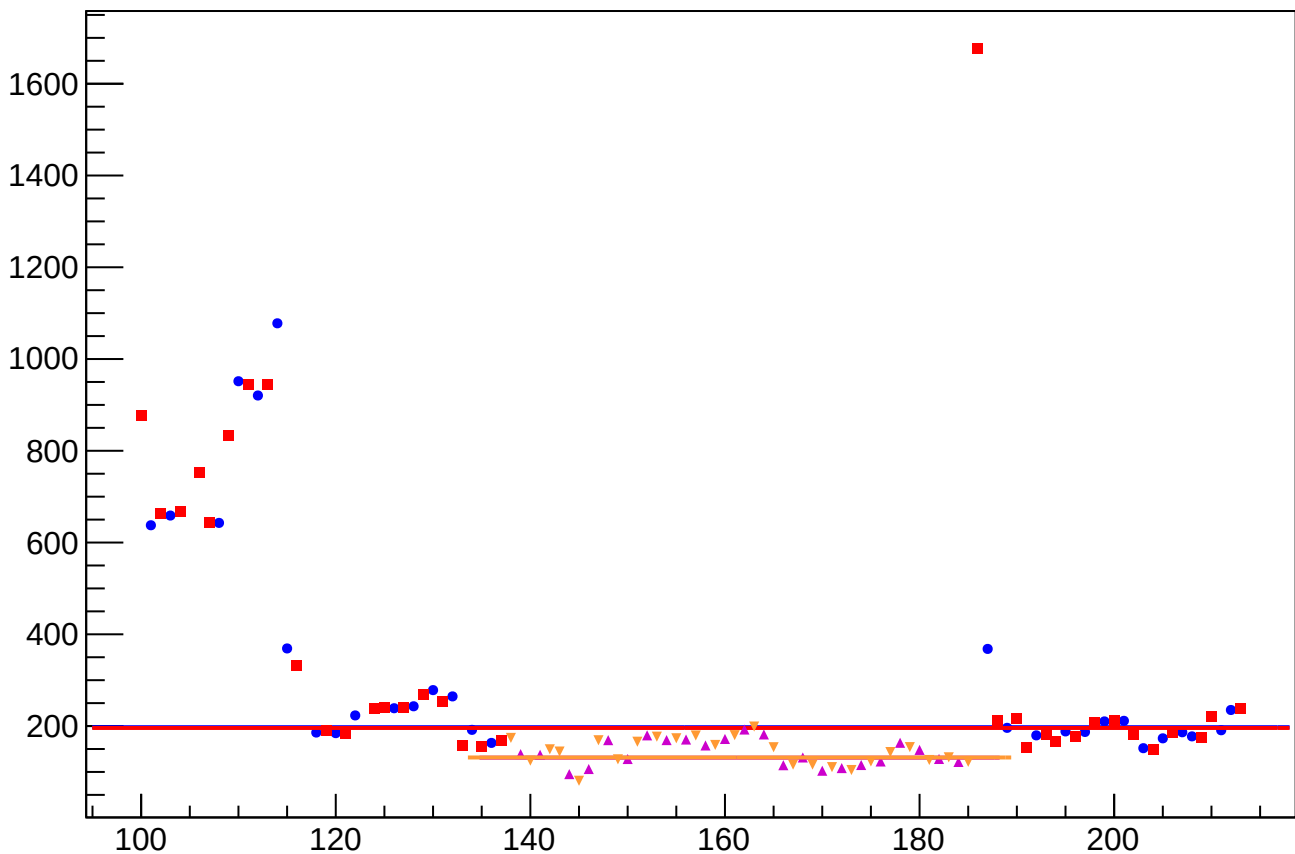
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -112.631 ± 26.215 χ^2/NDF : 60.1/53

All: -92.623 ± 18.597 χ^2/NDF : 152.7/110

- sign -72.350 ± 26.387 χ^2/NDF : 91.4/56

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 197.542 $\pm$ 0.035 χ^2 /NDF: 3587716.1/28

Left Out: 131.515 $\pm$ 0.022 χ^2 /NDF:1902958.8/24

Right Out: 195.880 $\pm$ 0.034 χ^2 /NDF: 5069342.6/33

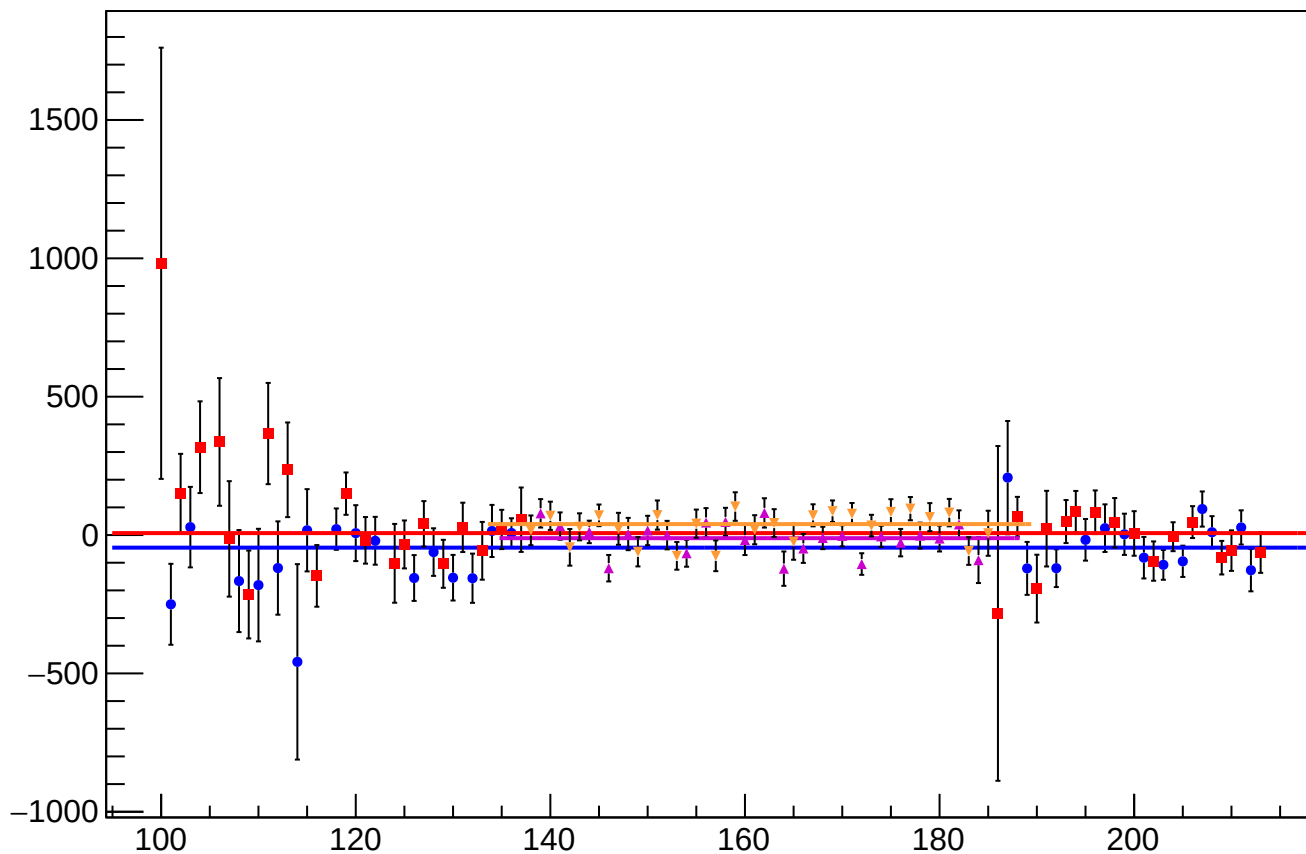
Left In: 131.074 $\pm$ 0.022 χ^2 /NDF:1467806.6/22

+ sign 149.581 $\pm$ 0.019 χ^2 /NDF: 8012332.3/53

All: 149.957 $\pm$ 0.013 χ^2 /NDF: 17070263.9/11

- sign 150.337 $\pm$ 0.019 χ^2 /NDF: 9057106.8/56

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -45.523 ± 15.218 χ^2/NDF : 27.6/28

Left Out: 39.564 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 7.045 ± 15.444 χ^2/NDF : 37.0/33

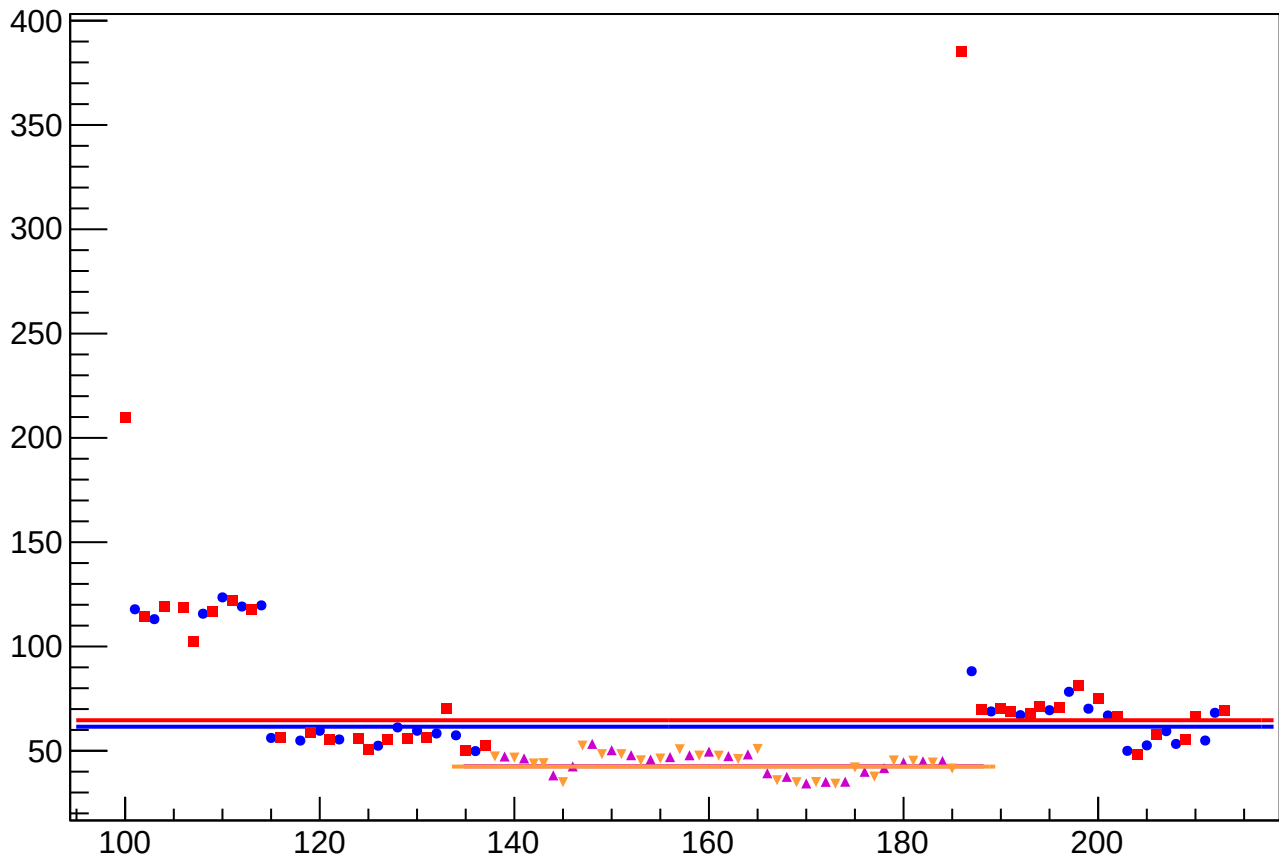
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 14.818 ± 8.207 χ^2/NDF : 79.4/53

All: 4.785 ± 5.884 χ^2/NDF : 148.3/110

- sign -5.826 ± 8.439 χ^2/NDF : 65.9/56

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.547 ± 0.011 $\chi^2/\text{NDF}: 1767435.7/28$

Left Out: 42.426 ± 0.007 $\chi^2/\text{NDF}: 698784.4/24$

Right Out: 64.648 ± 0.011 $\chi^2/\text{NDF}: 2584104.7/33$

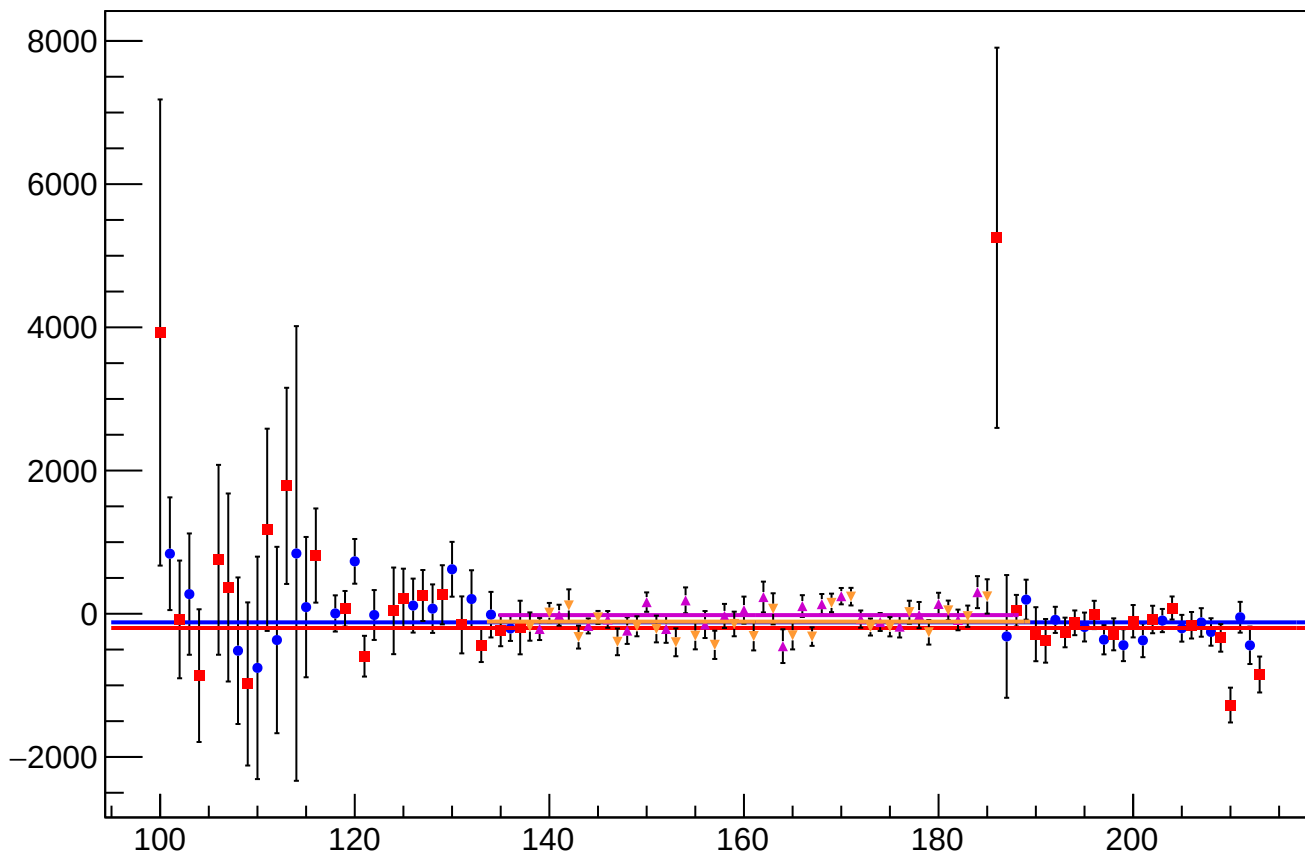
Left In: 42.579 ± 0.007 $\chi^2/\text{NDF}: 589901.9/22$

+ sign 47.987 ± 0.006 $\chi^2/\text{NDF}: 4705486.0/53$

All: 48.562 ± 0.004 $\chi^2/\text{NDF}: 10764110.8/110$

- sign 49.169 ± 0.006 $\chi^2/\text{NDF}: 6038456.4/56$

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: -119.964 ± 50.116 χ^2/NDF : 23.8/28

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -198.867 ± 48.399 χ^2/NDF : 54.5/33

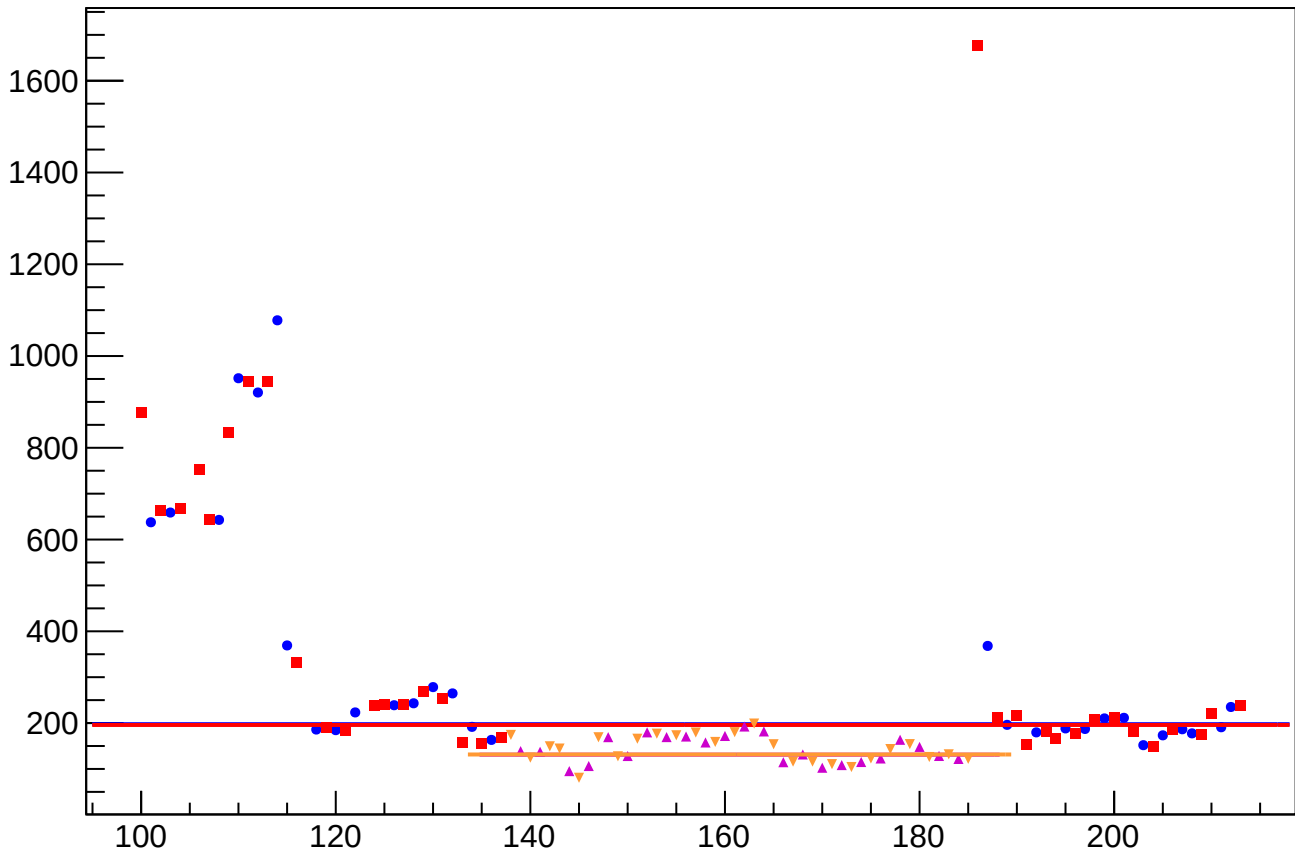
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -112.631 ± 26.215 χ^2/NDF : 60.1/53

All: -92.623 ± 18.597 χ^2/NDF : 152.7/110

- sign -72.350 ± 26.387 χ^2/NDF : 91.4/56

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 197.541+/-0.035 χ^2/NDF : 3587712.0/28

Left Out: 131.515+/-0.022 χ^2/NDF : 1902951.8/24

Right Out: 195.879+/-0.034 χ^2/NDF : 5069350.7/33

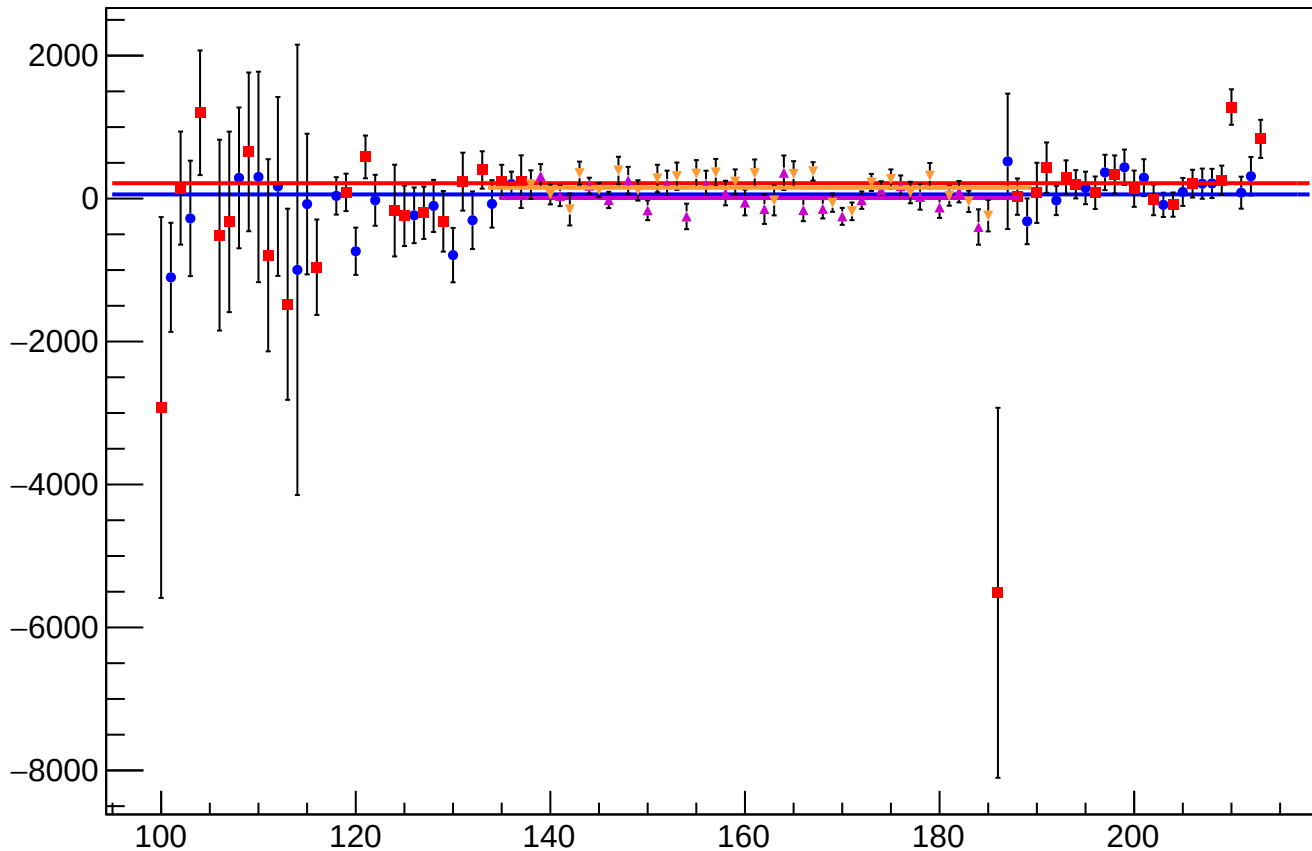
Left In: 131.074+/-0.022 χ^2/NDF : 1467810.7/22

+ sign 149.582+/-0.019 χ^2/NDF : 8012268.8/53

All: 149.957+/-0.013 χ^2/NDF : 17070157.1/11

- sign 150.337+/-0.019 χ^2/NDF : 9057063.6/56

asym_sam_37_26_dd_mean vs Slug



Right In: 58.183 ± 53.459 χ^2/NDF : 25.4/28

Left Out: 151.108 ± 30.952 χ^2/NDF : 33.1/24

Right Out: 215.041 ± 52.622 χ^2/NDF : 50.1/33

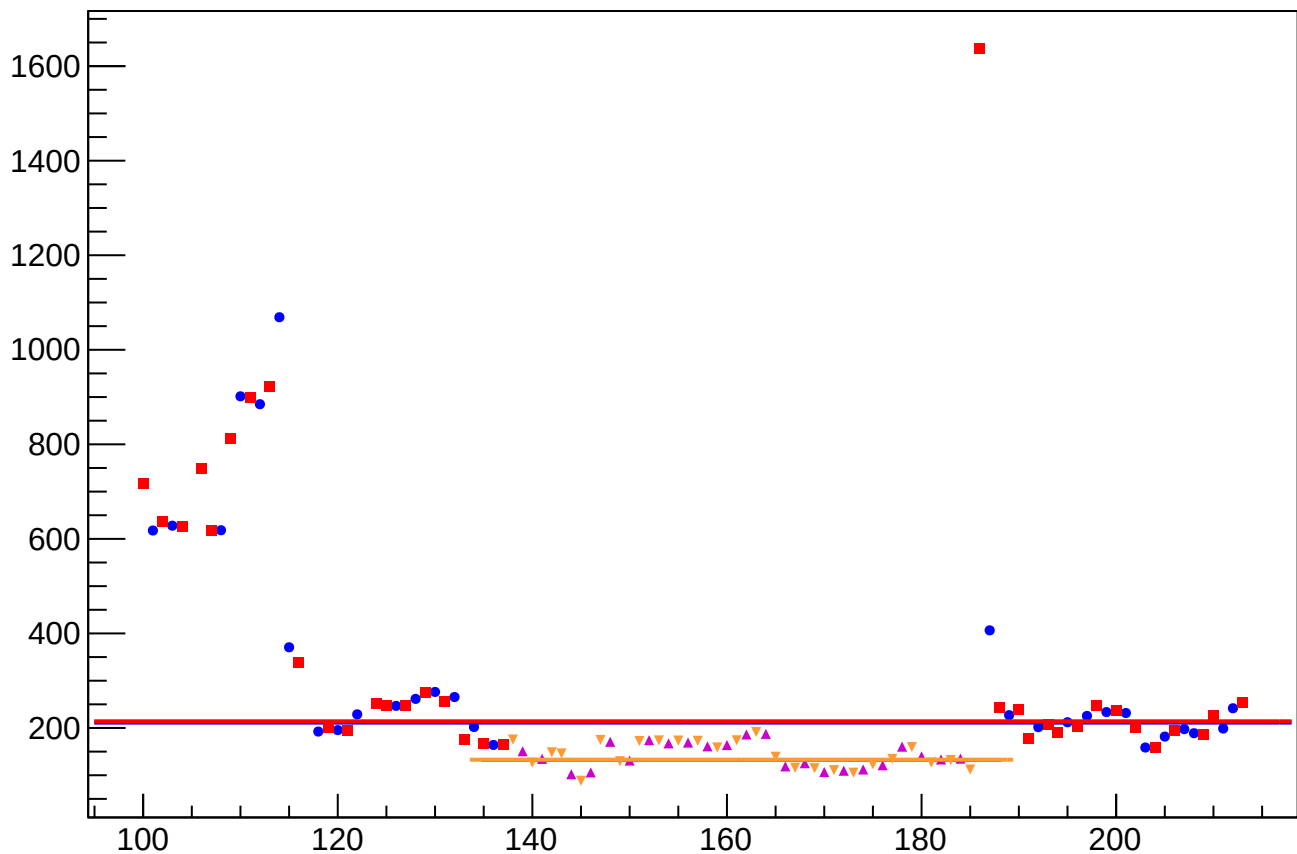
Left In: 7.941 ± 31.621 χ^2/NDF : 29.5/22

+ sign 127.779 ± 26.786 χ^2/NDF : 60.7/53

All: 95.714 ± 19.052 χ^2/NDF : 154.6/110

- sign 62.883 ± 27.104 χ^2/NDF : 91.0/56

asym_sam_37_26_dd_rms vs Slug



Right In: 211.370 $\pm$ 0.038 χ^2 /NDF: 3410048.4/28

Left Out: 132.876 $\pm$ 0.022 χ^2 /NDF:1592310.5/24

Right Out: 214.118 $\pm$ 0.037 χ^2 /NDF: 4698698.1/33

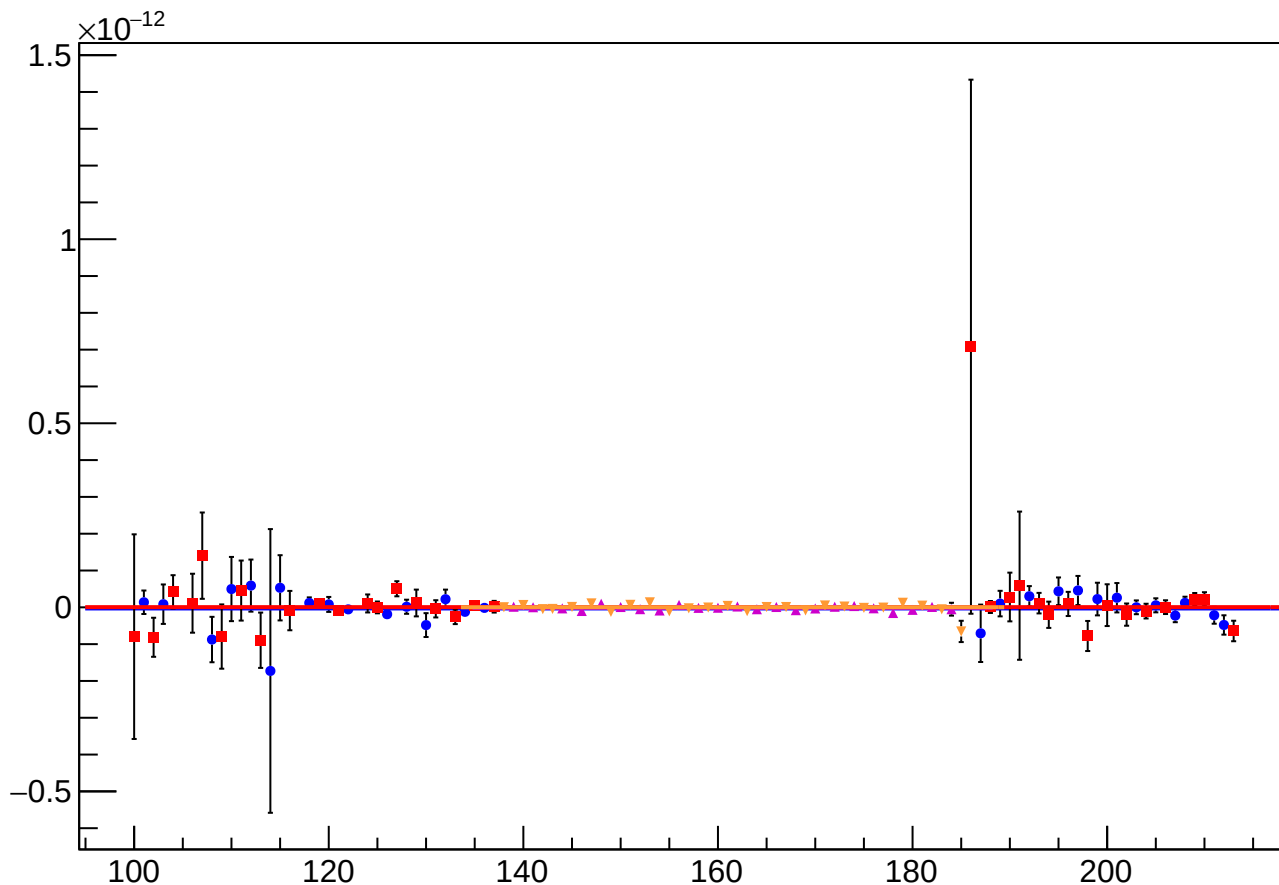
Left In: 132.342 $\pm$ 0.022 χ^2 /NDF:1277761.6/22

+ sign 152.582 $\pm$ 0.019 χ^2 /NDF: 8231648.2/53

All: 153.301 $\pm$ 0.013 χ^2 /NDF: 17759589.8/11

- sign 154.036 $\pm$ 0.019 χ^2 /NDF: 9525028.8/56

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.5/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.7/33

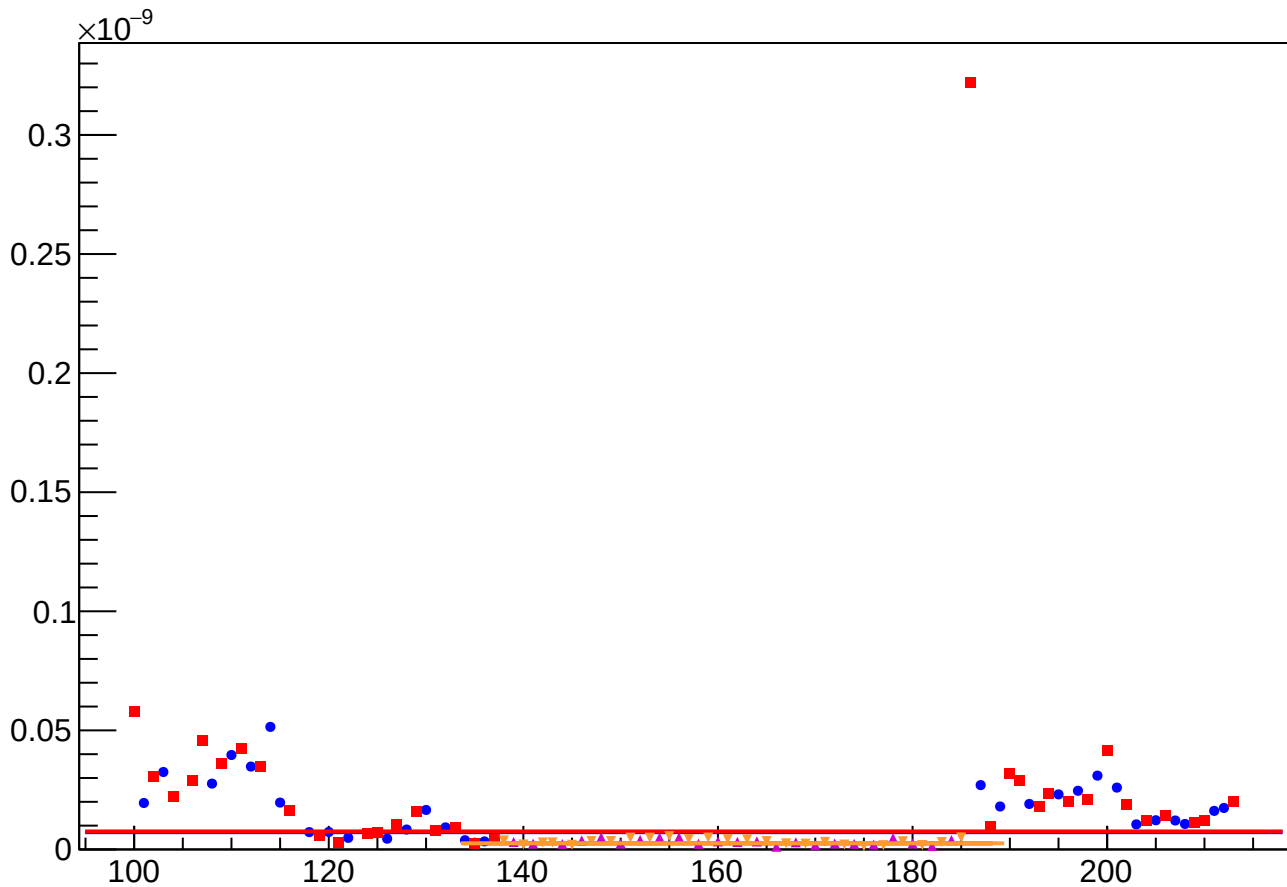
Left In: -0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 56.7/53

All: -0.000 ± 0.000 χ^2/NDF : 105.2/110

- sign -0.000 ± 0.000 χ^2/NDF : 47.9/56

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6754706.6/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7928684.8/33

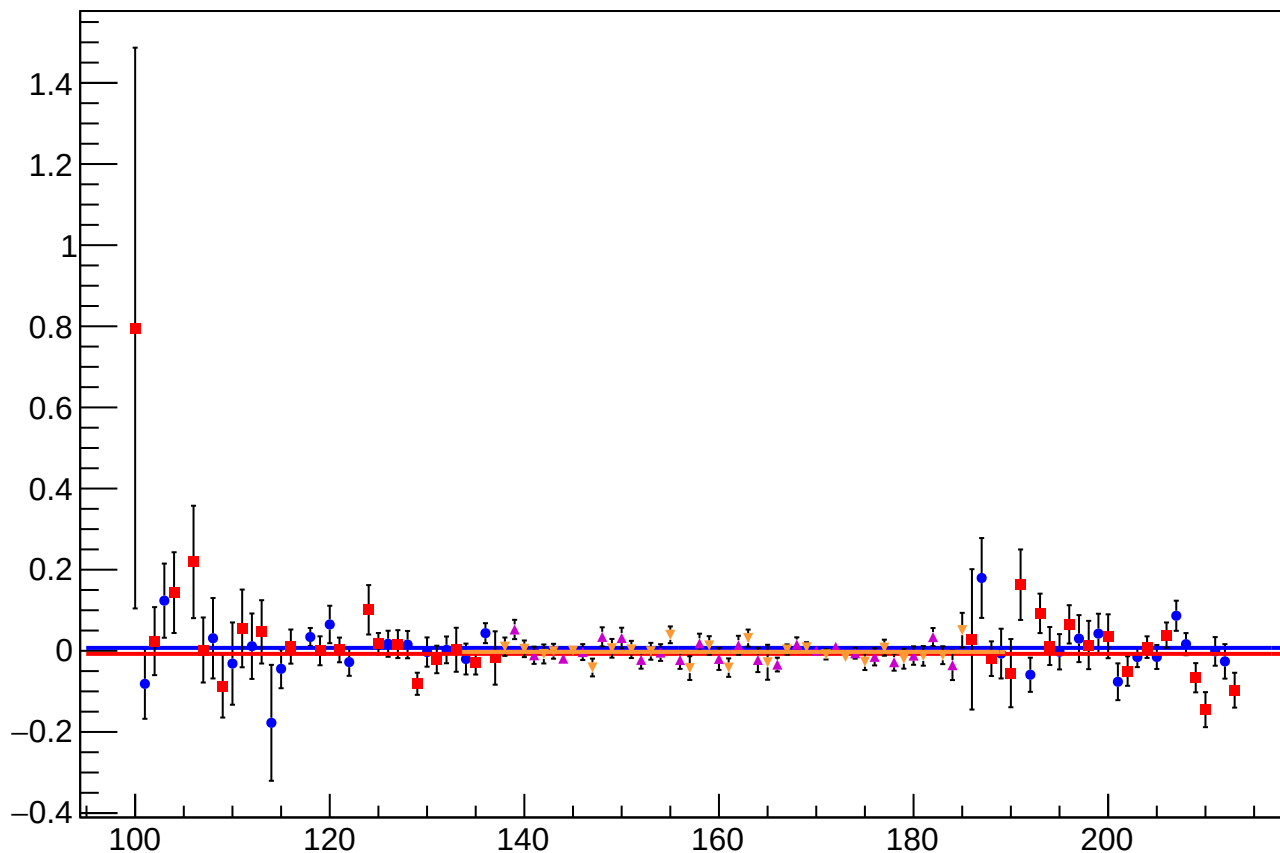
Left In: 0.000+/-0.000 χ^2/NDF : 1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 12702157.7/53

All: 0.000+/-0.000 χ^2/NDF : 26129349.3/110

- sign 0.000+/-0.000 χ^2/NDF : 13426052.6/56

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 χ^2/NDF : 29.2/28

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 54.4/33

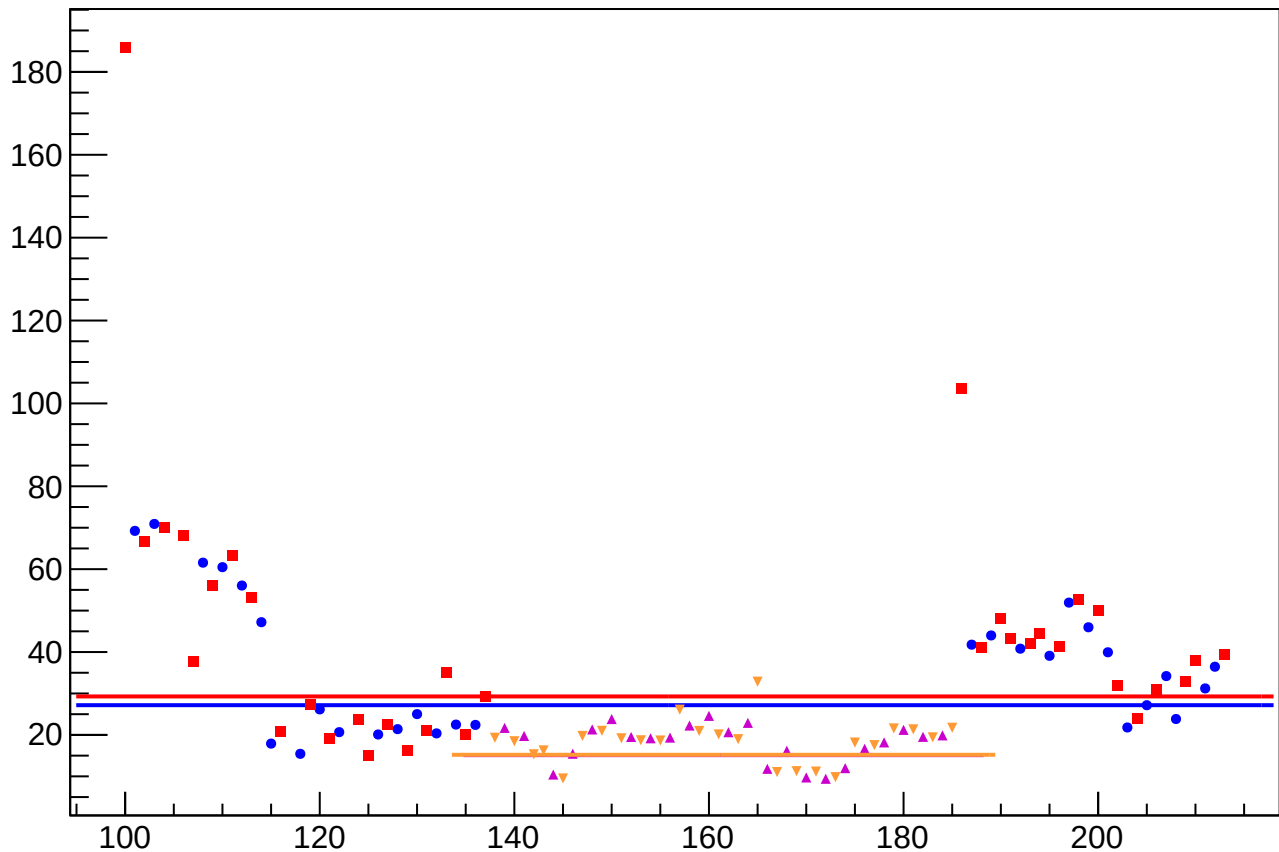
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.3/53

All: -0.002 ± 0.002 χ^2/NDF : 135.4/110

- sign -0.003 ± 0.003 χ^2/NDF : 81.7/56

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.175 $\pm$ 0.005 χ^2/NDF : 4430153.4/28

Left Out: 15.202 $\pm$ 0.003 χ^2/NDF : 3441921.2/24

Right Out: 29.285 $\pm$ 0.005 χ^2/NDF : 5547031.7/33

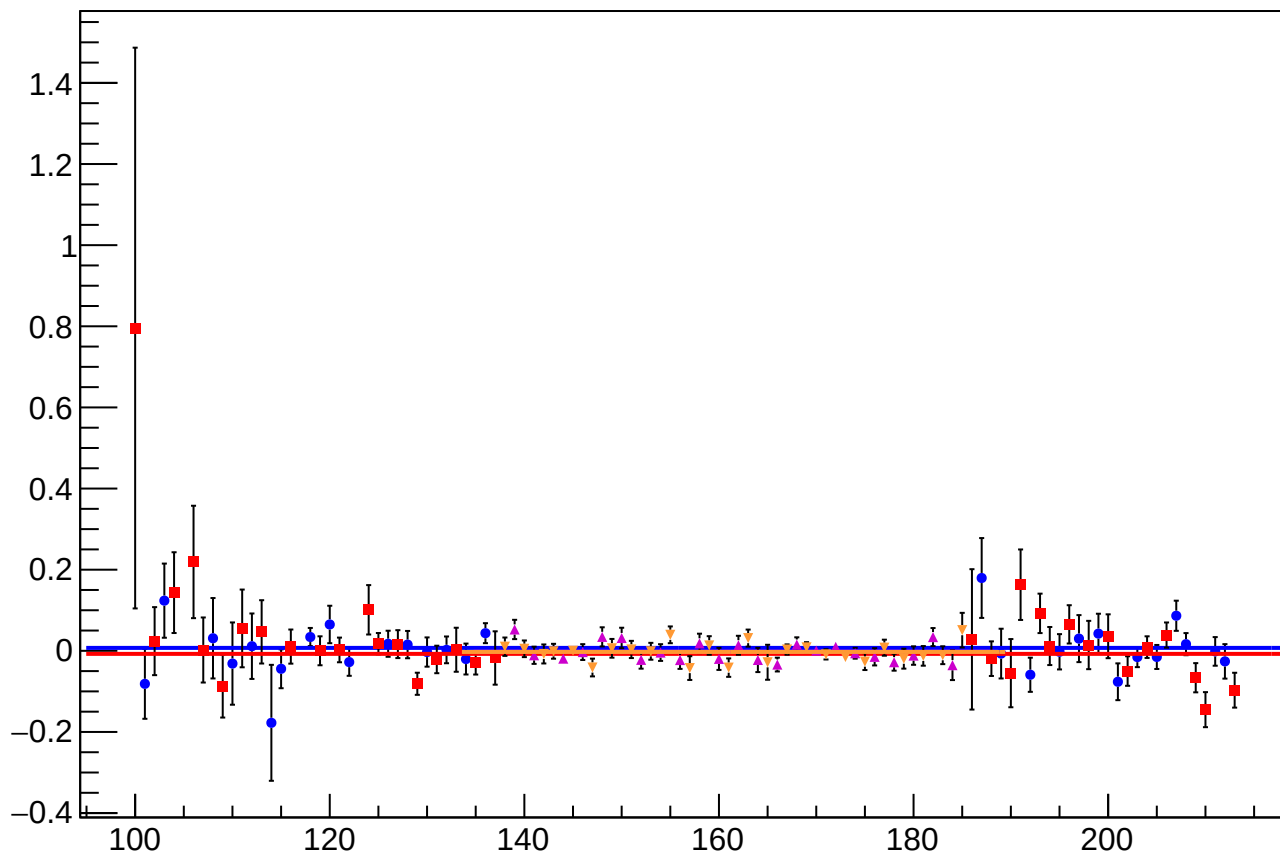
Left In: 15.116 $\pm$ 0.003 χ^2/NDF : 3402288.3/22

+ sign 17.696 $\pm$ 0.002 χ^2/NDF : 12223557.2/53

All: 17.859 $\pm$ 0.002 χ^2/NDF : 26833014.7/110

- sign 18.034 $\pm$ 0.002 χ^2/NDF : 14599296.2/56

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 χ^2/NDF : 29.2/28

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 54.4/33

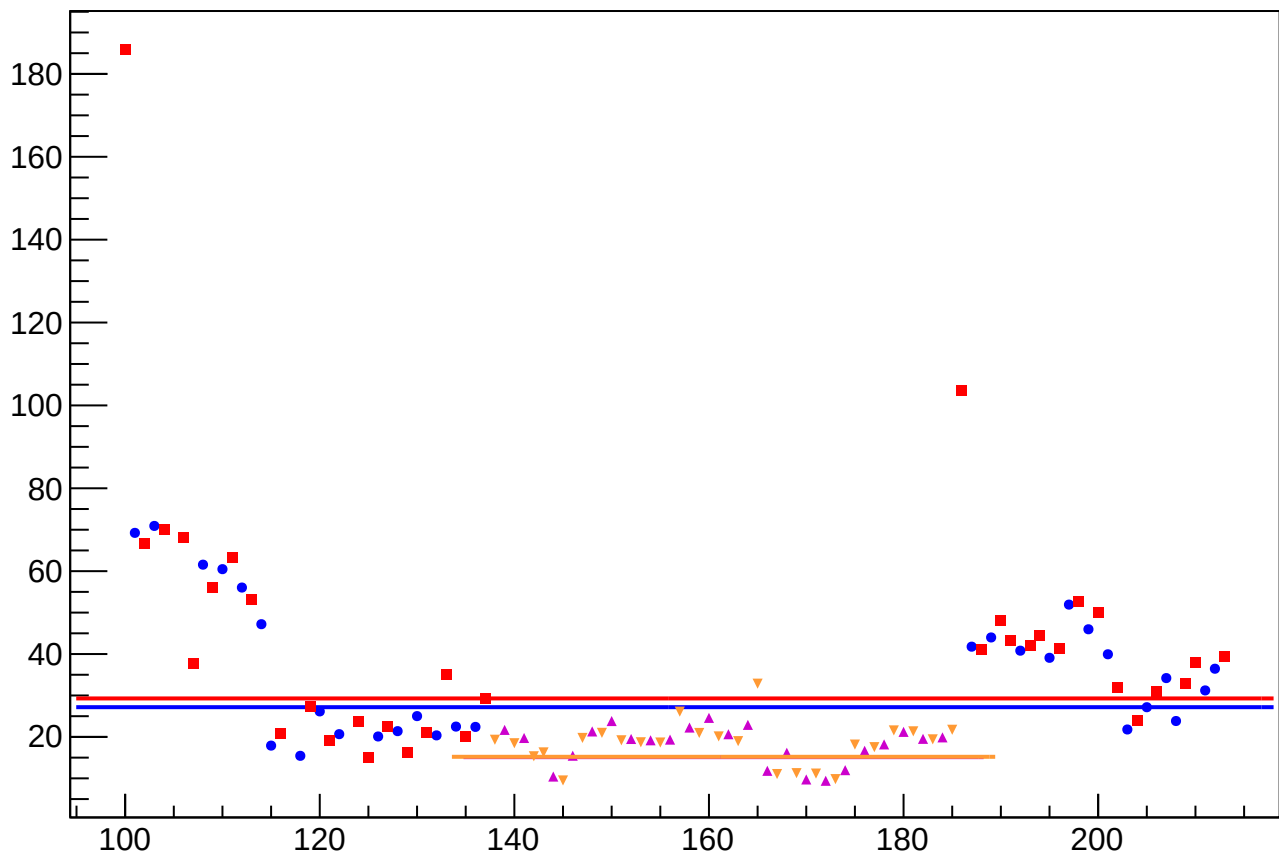
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.3/53

All: -0.002 ± 0.002 χ^2/NDF : 135.4/110

- sign -0.003 ± 0.003 χ^2/NDF : 81.7/56

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.175 ± 0.005 $\chi^2/\text{NDF}: 4430153.4/28$

Left Out: 15.202 ± 0.003 $\chi^2/\text{NDF}: 3441921.2/24$

Right Out: 29.285 ± 0.005 $\chi^2/\text{NDF}: 5547031.7/33$

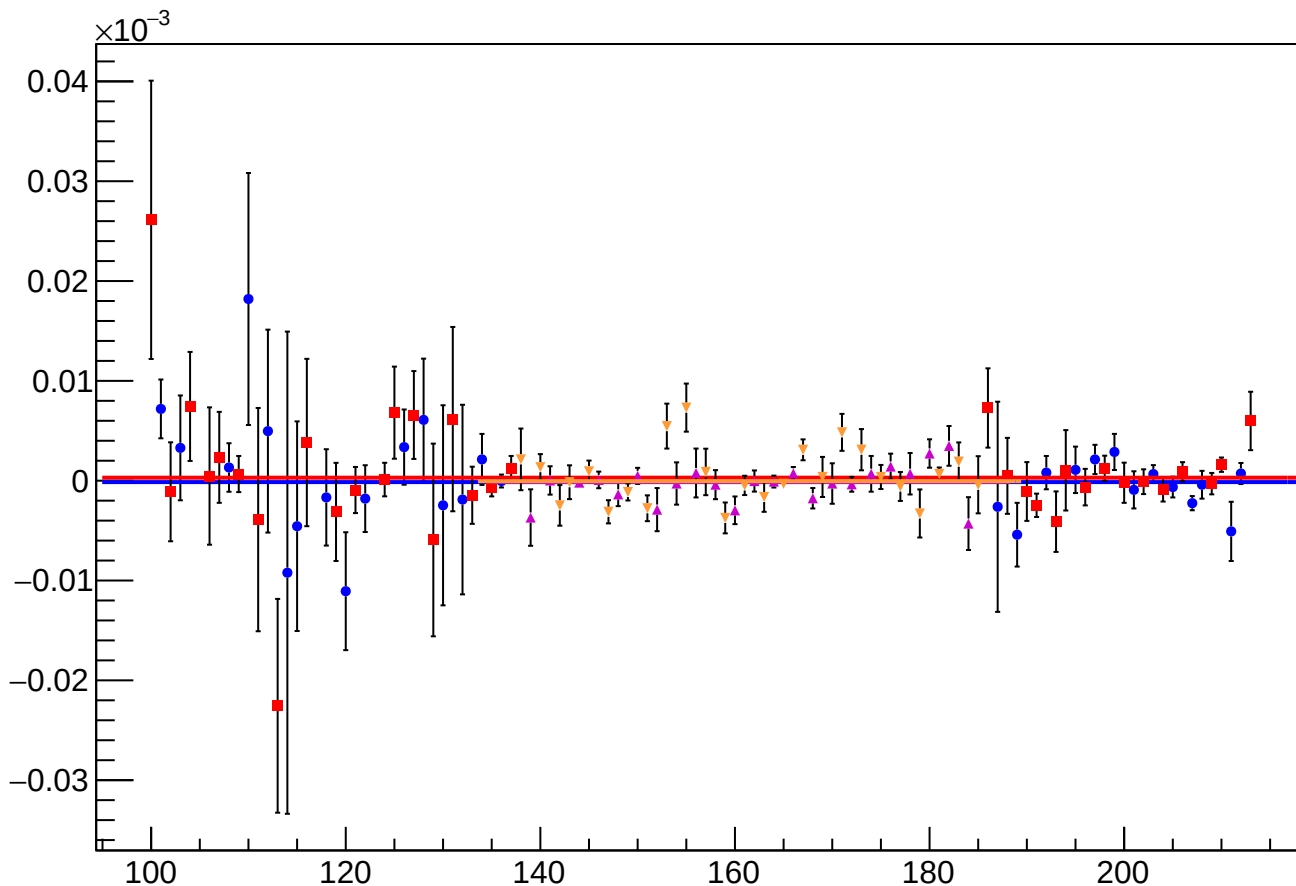
Left In: 15.116 ± 0.003 $\chi^2/\text{NDF}: 3402288.3/22$

+ sign 17.696 ± 0.002 $\chi^2/\text{NDF}: 12223557.2/53$

All: 17.859 ± 0.002 $\chi^2/\text{NDF}: 26833014.7/110$

- sign 18.034 ± 0.002 $\chi^2/\text{NDF}: 14599296.2/56$

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 38.3/28

Left Out: -0.000 ± 0.000 χ^2/NDF : 62.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 38.7/33

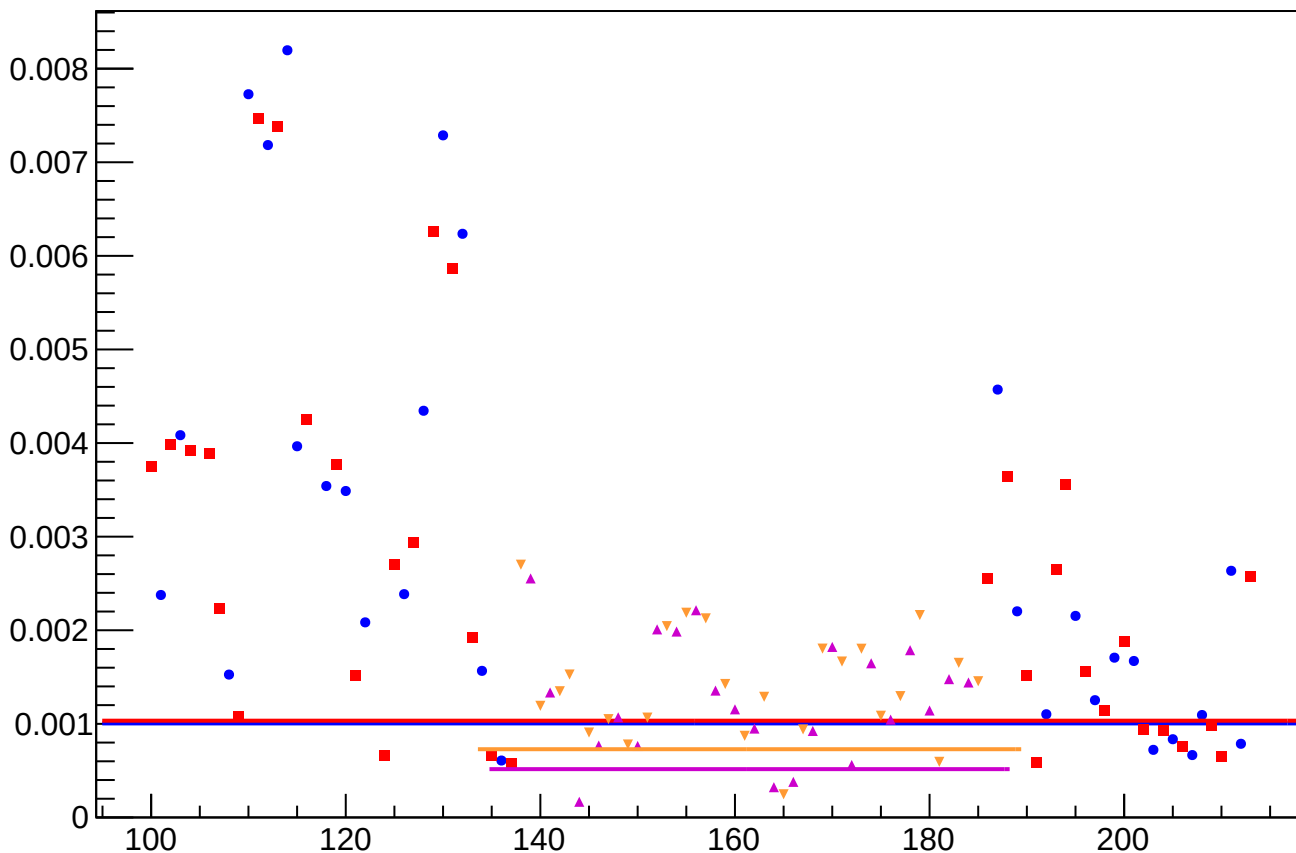
Left In: -0.000 ± 0.000 χ^2/NDF : 25.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 101.2/53

All: -0.000 ± 0.000 χ^2/NDF : 166.9/110

- sign -0.000 ± 0.000 χ^2/NDF : 65.6/56

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10096785.9/28

Left Out: 0.001+/-0.000 χ^2/NDF : 13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11620620.8/33

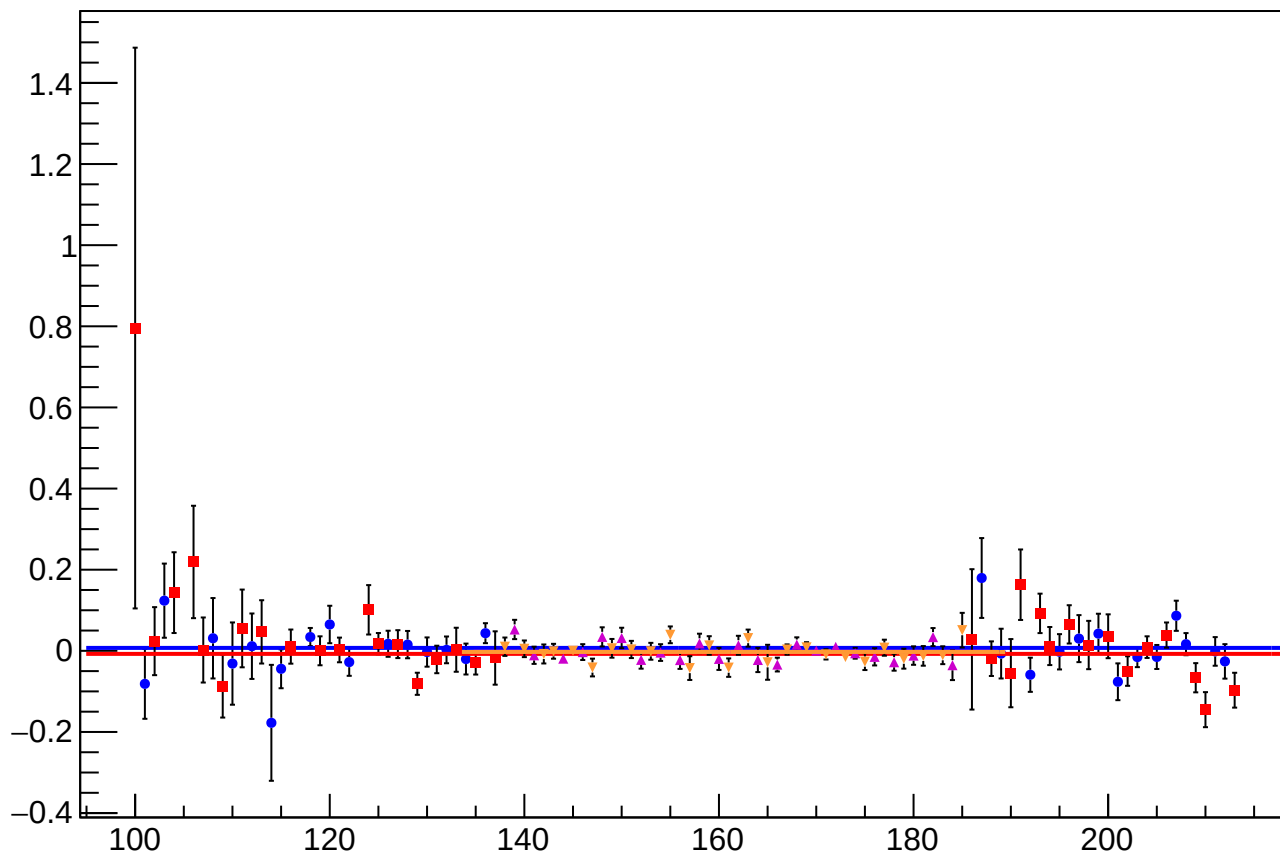
Left In: 0.001+/-0.000 χ^2/NDF : 15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 24318595.8/53

All: 0.001+/-0.000 χ^2/NDF : 56414083.0/110

- sign 0.001+/-0.000 χ^2/NDF : 30989868.6/56

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 χ^2/NDF : 29.2/28

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.008 ± 0.008 χ^2/NDF : 54.4/33

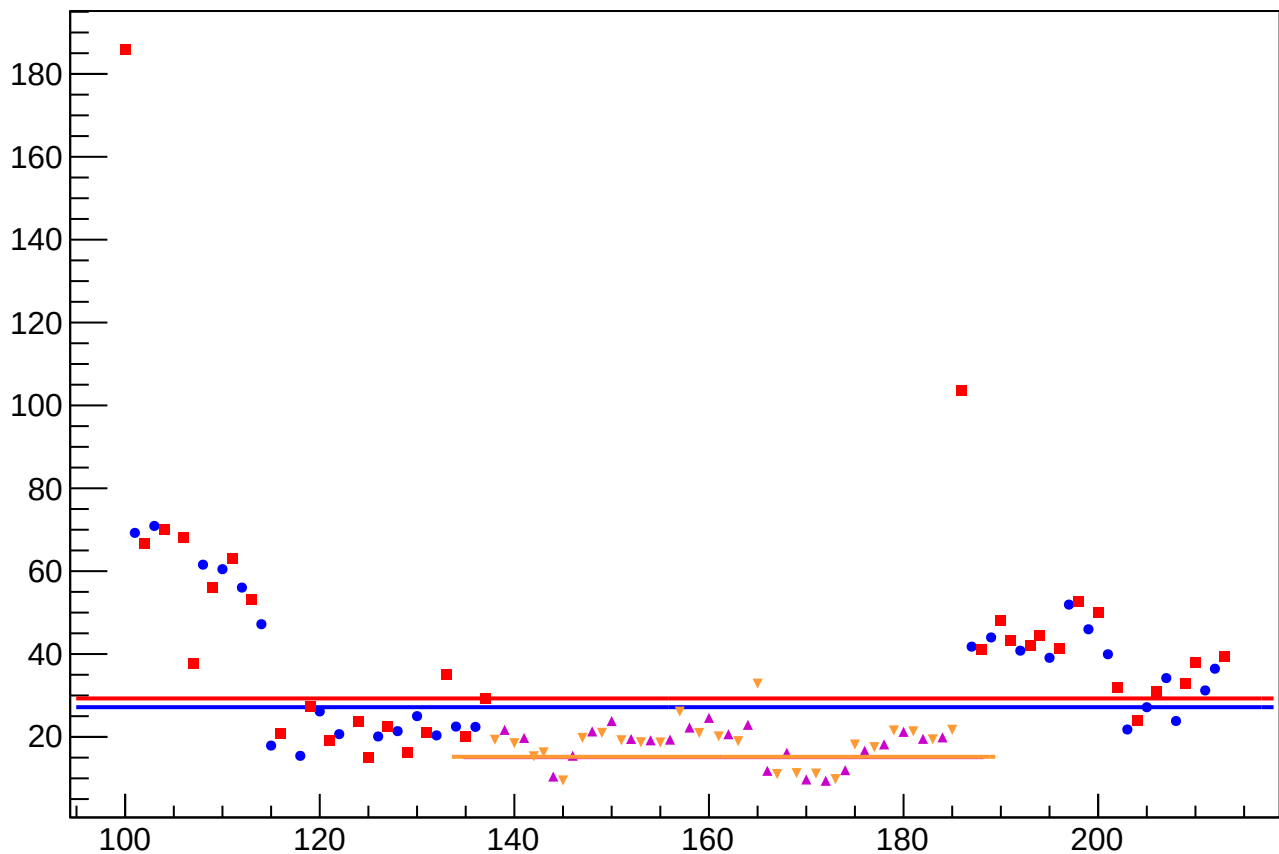
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 53.3/53

All: -0.002 ± 0.002 χ^2/NDF : 135.4/110

- sign -0.003 ± 0.003 χ^2/NDF : 81.7/56

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.175 ± 0.005 $\chi^2/\text{NDF}: 4430492.9/28$

Left Out: 15.202 ± 0.003 $\chi^2/\text{NDF}: 3442015.2/24$

Right Out: 29.285 ± 0.005 $\chi^2/\text{NDF}: 5547231.9/33$

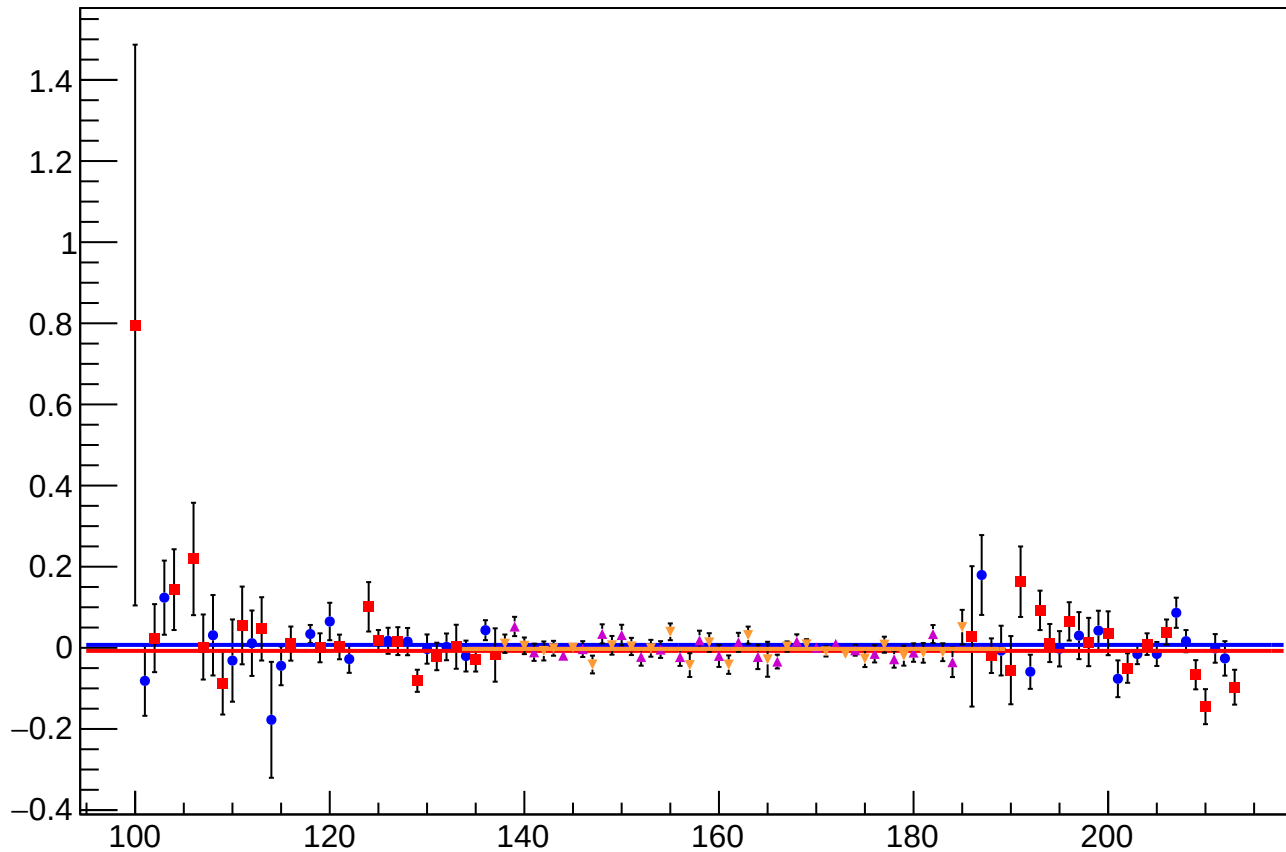
Left In: 15.117 ± 0.003 $\chi^2/\text{NDF}: 3402318.1/22$

+ sign 17.696 ± 0.002 $\chi^2/\text{NDF}: 12223542.2/53$

All: 17.859 ± 0.002 $\chi^2/\text{NDF}: 26833004.6/110$

- sign 18.034 ± 0.002 $\chi^2/\text{NDF}: 14599294.9/56$

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.007 $\chi^2/\text{NDF}: 29.2/28$

Left Out: -0.003 ± 0.004 $\chi^2/\text{NDF}: 22.6/24$

Right Out: -0.008 ± 0.008 $\chi^2/\text{NDF}: 54.4/33$

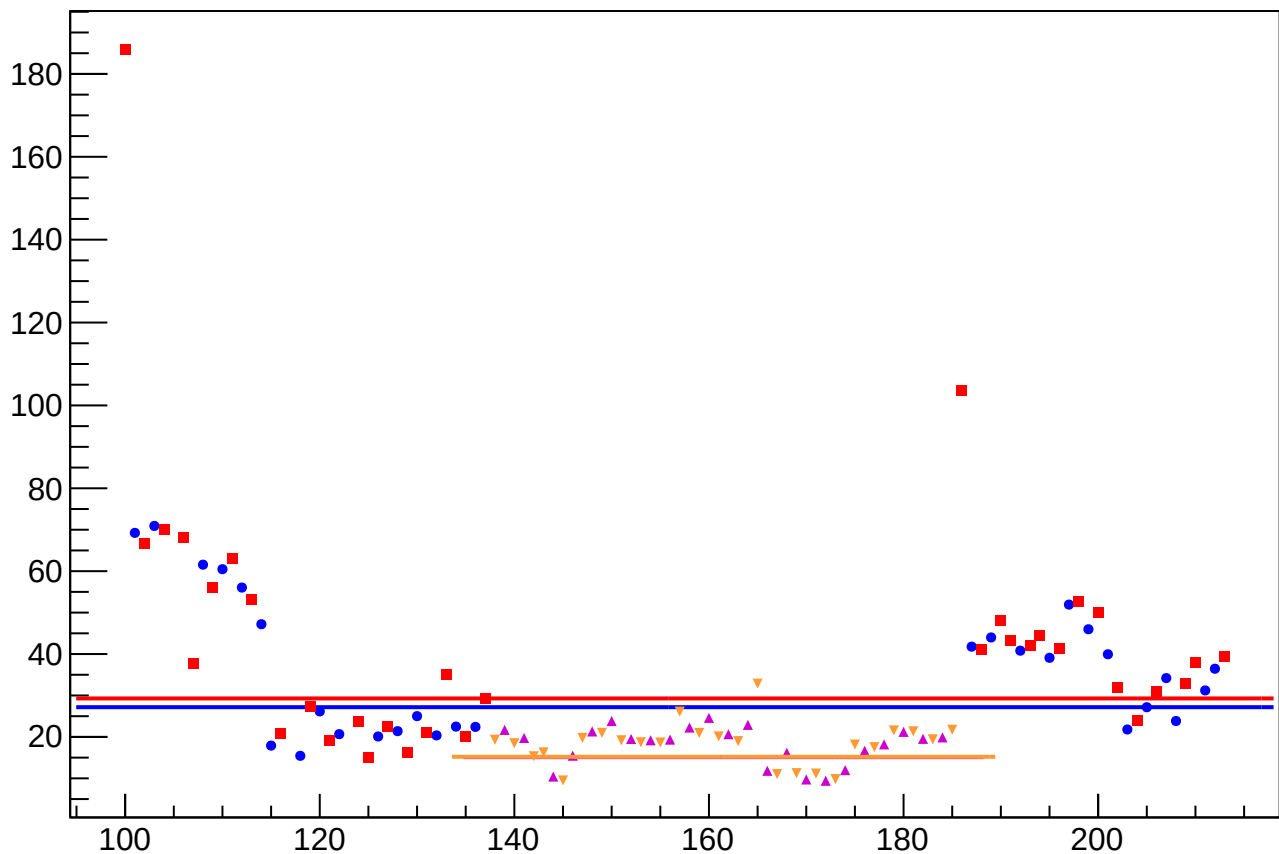
Left In: -0.002 ± 0.004 $\chi^2/\text{NDF}: 26.9/22$

+ sign -0.001 ± 0.003 $\chi^2/\text{NDF}: 53.3/53$

All: -0.002 ± 0.002 $\chi^2/\text{NDF}: 135.4/110$

- sign -0.003 ± 0.003 $\chi^2/\text{NDF}: 81.7/56$

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.175 $\pm$ 0.005 χ^2 /NDF: 4430492.9/28

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3442015.2/24

Right Out: 29.285 $\pm$ 0.005 χ^2 /NDF: 5547231.9/33

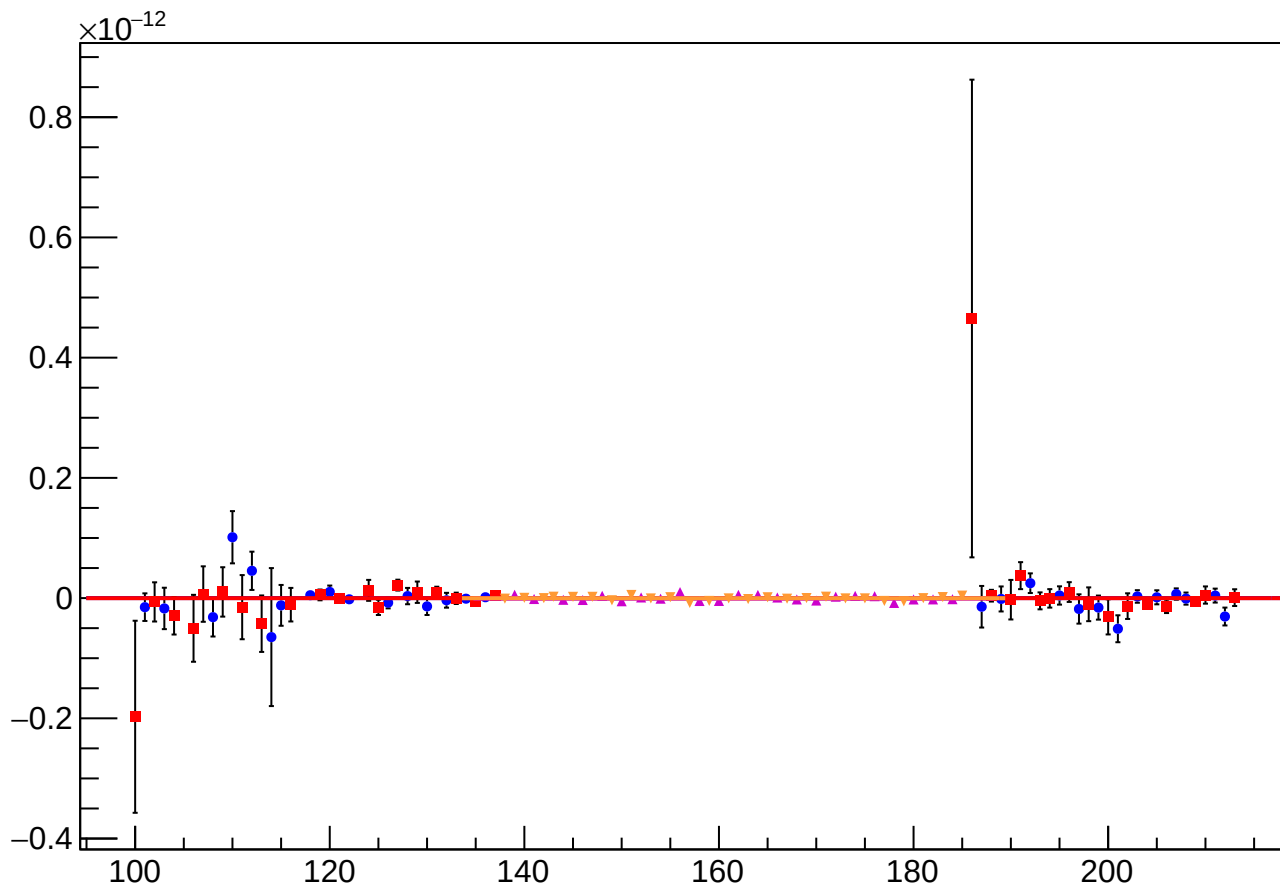
Left In: 15.117 $\pm$ 0.003 χ^2 /NDF: 3402318.1/22

+ sign 17.696 $\pm$ 0.002 χ^2 /NDF: 12223542.2/53

All: 17.859 $\pm$ 0.002 χ^2 /NDF: 26833004.6/110

- sign 18.034 $\pm$ 0.002 χ^2 /NDF: 14599294.9/56

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 26.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 21.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 26.5/33

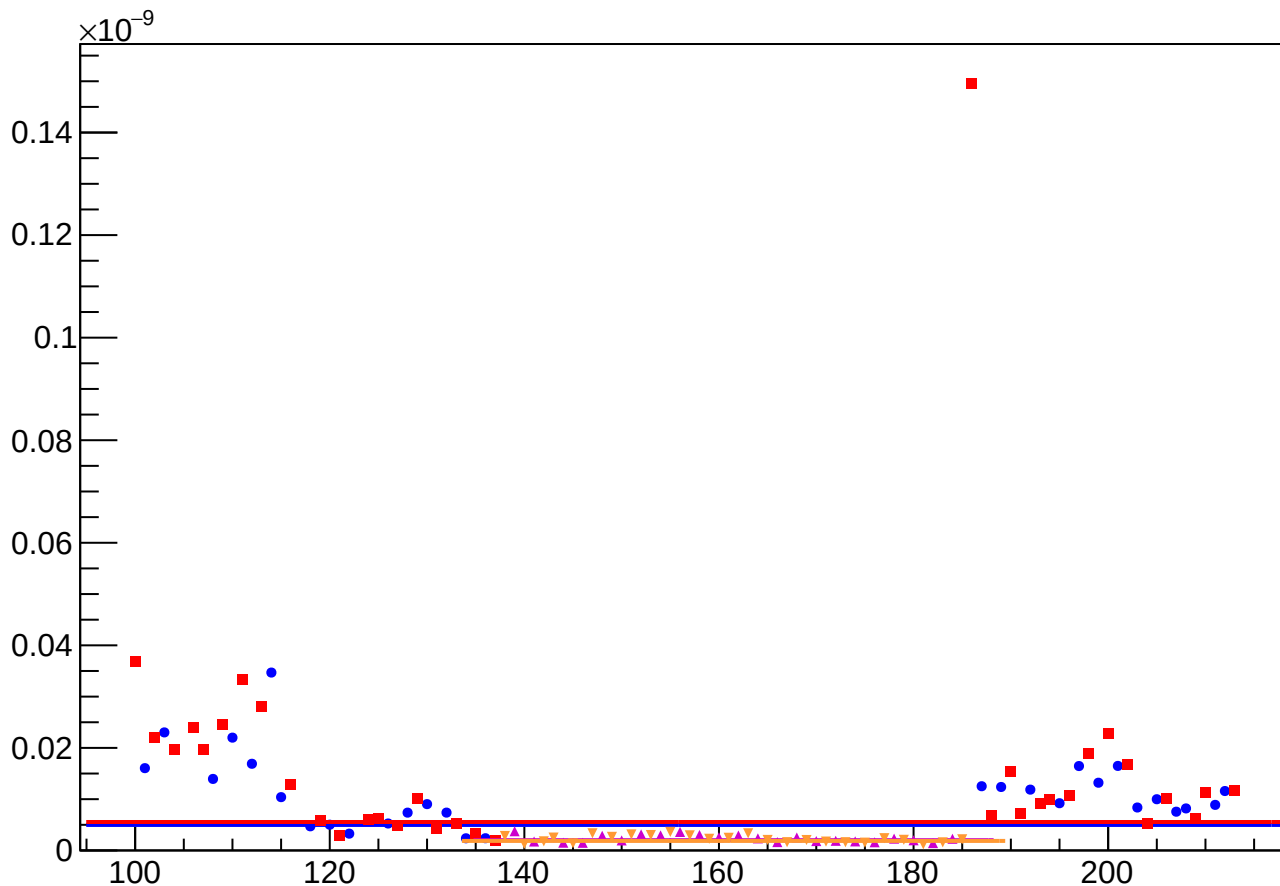
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 39.5/22

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 48.3/53

All: -0.000 $\pm$ 0.000 χ^2/NDF : 114.9/110

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 66.1/56

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8167877.2/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2645485.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8889516.3/33

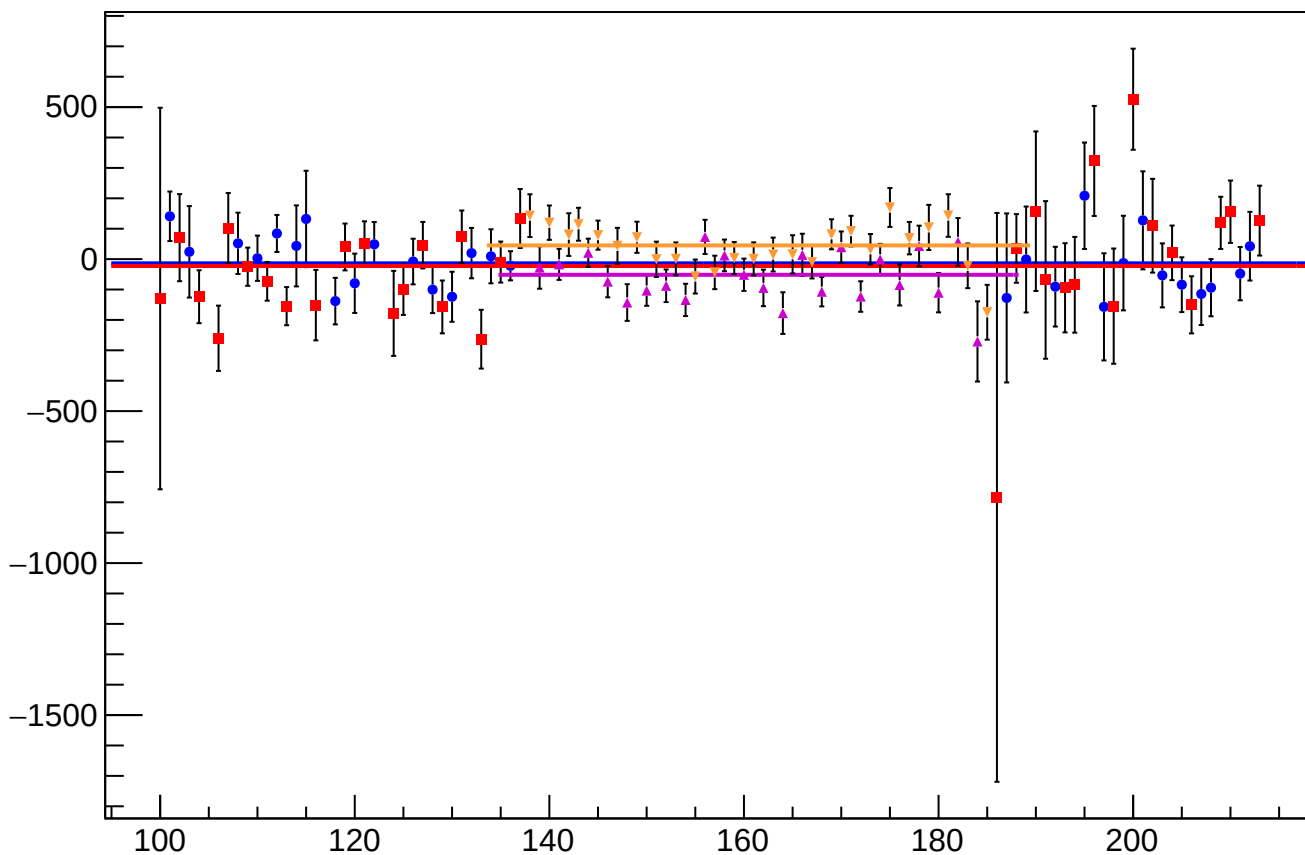
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1948585.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16243572.2/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33254165.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16893326.9/56

reg_asym_sam_1357_avg_mean vs Slug



Right In: -13.918 ± 17.199 χ^2/NDF : 21.3/28

Left Out: 45.093 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -22.670 ± 16.967 χ^2/NDF : 58.4/33

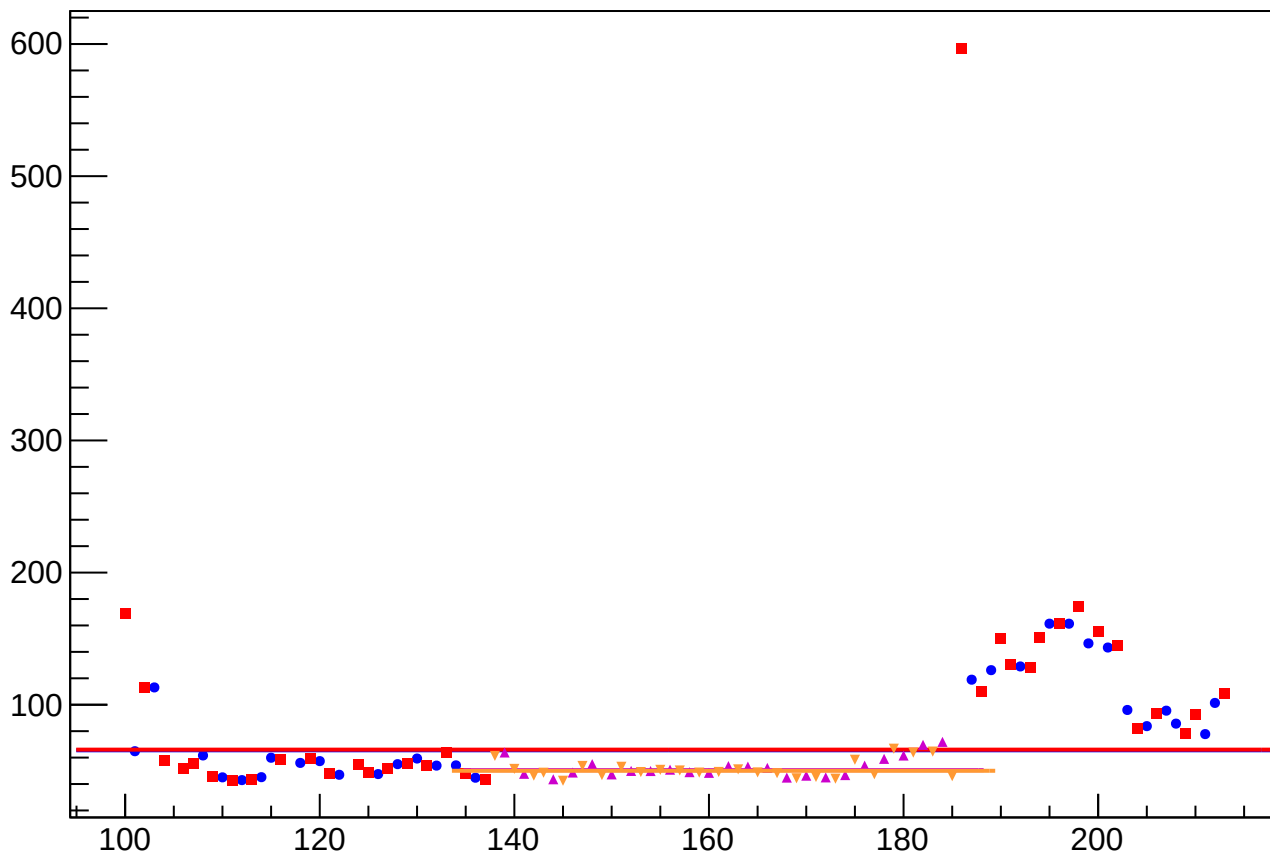
Left In: -51.616 ± 11.929 χ^2/NDF : 35.9/22

+ sign 26.873 ± 9.557 χ^2/NDF : 60.8/53

All: -6.865 ± 6.828 χ^2/NDF : 182.4/110

- sign -42.041 ± 9.758 χ^2/NDF : 96.2/56

reg_asym_sam_1357_avg_rms vs Slug



Right In: 65.518 $\pm$ 0.012 χ^2 /NDF: 5197074.4/28

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 66.018 $\pm$ 0.012 χ^2 /NDF: 6932848.2/33

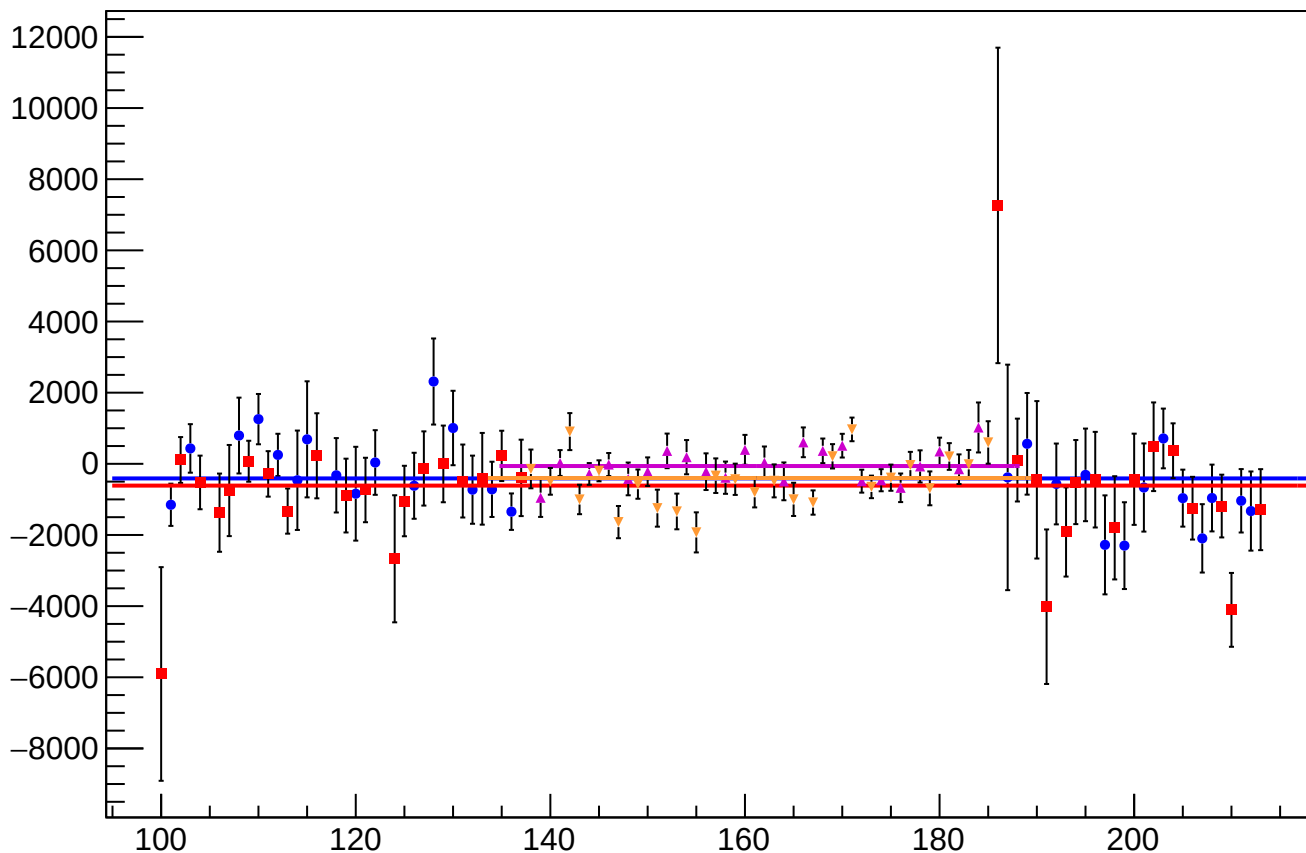
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 54.806 $\pm$ 0.007 χ^2 /NDF: 6828491.5/53

All: 55.215 $\pm$ 0.005 χ^2 /NDF: 15390074.2/110

- sign 55.641 $\pm$ 0.007 χ^2 /NDF: 8554098.3/56

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -410.342 ± 169.844 χ^2/NDF : 34.1/28

Left Out: -399.363 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -612.350 ± 169.408 χ^2/NDF : 34.7/33

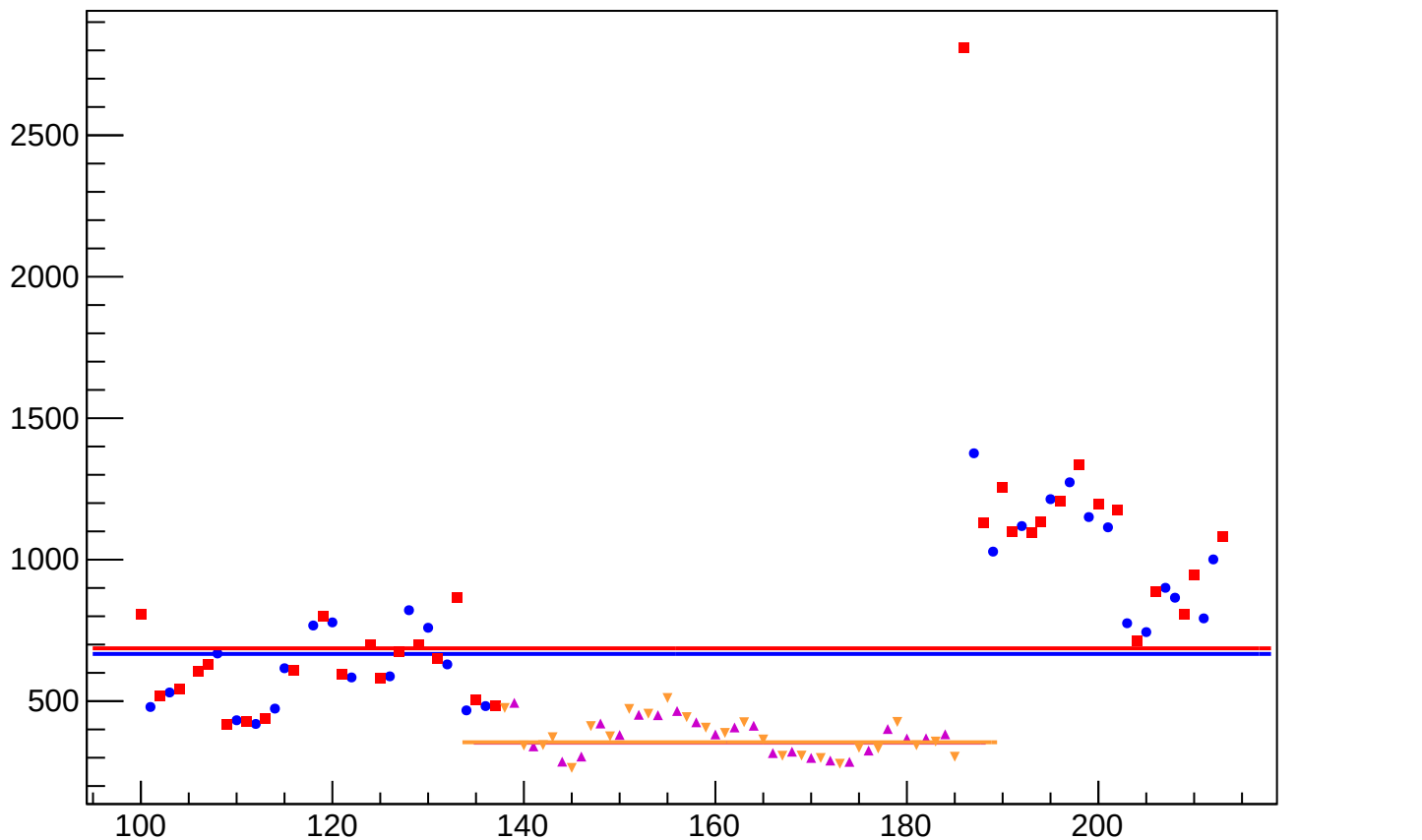
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -401.441 ± 73.891 χ^2/NDF : 99.5/53

All: -287.925 ± 52.698 χ^2/NDF : 171.4/110

- sign -170.415 ± 75.179 χ^2/NDF : 67.1/56

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 666.883 $\pm$ 0.120 χ^2 /NDF: 3726073.0/28

Left Out: 354.670 $\pm$ 0.058 χ^2 /NDF: 1145465.6/24

Right Out: 686.603 $\pm$ 0.120 χ^2 /NDF: 4916970.6/33

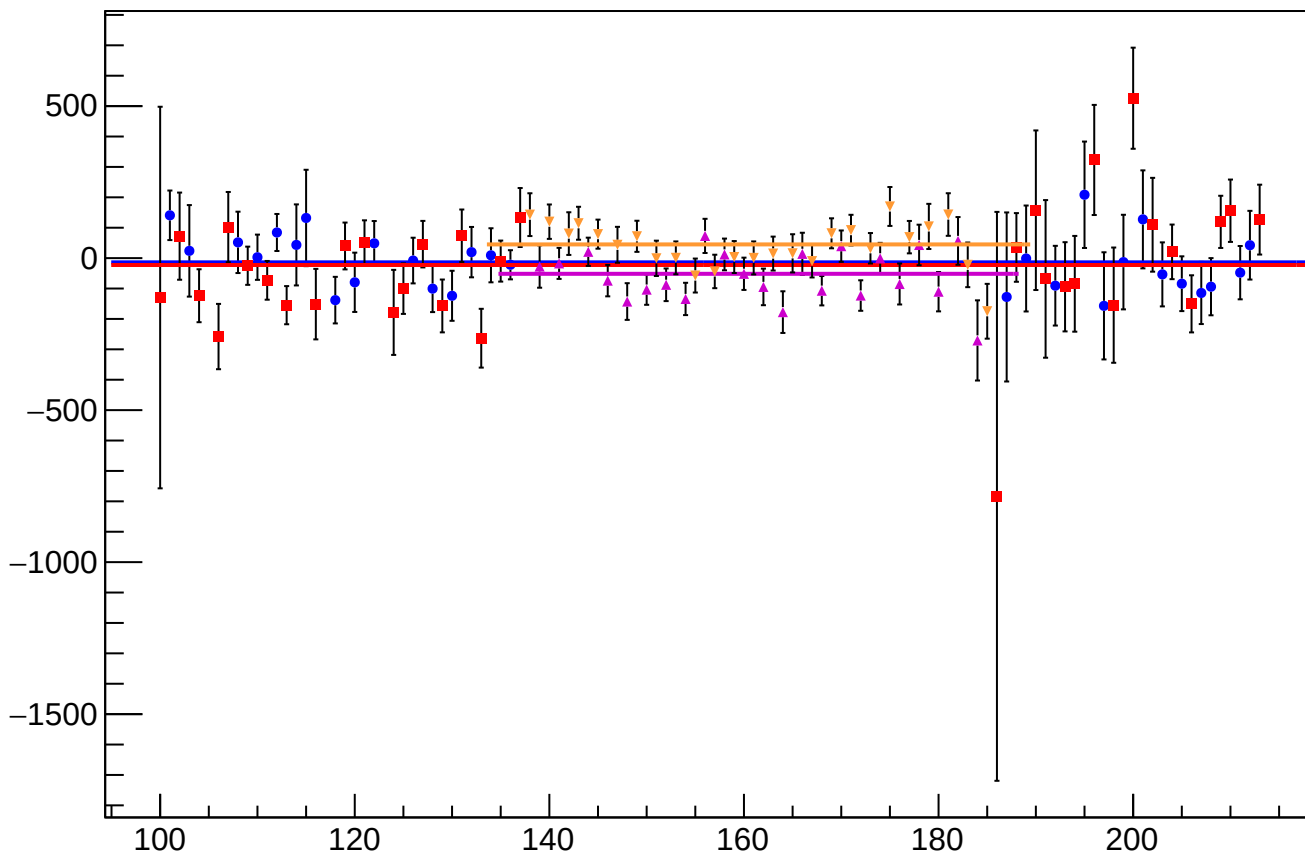
Left In: 353.110 $\pm$ 0.059 χ^2 /NDF: 1004127.0/22

+ sign 413.762 $\pm$ 0.052 χ^2 /NDF: 10350611.0/53

All: 416.231 $\pm$ 0.037 χ^2 /NDF: 22500490.8/1

- sign 418.787 $\pm$ 0.053 χ^2 /NDF: 12145334.3/56

cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.923 ± 17.199 $\chi^2/\text{NDF}: 21.3/28$

Left Out: 45.096 ± 11.495 $\chi^2/\text{NDF}: 31.3/24$

Right Out: -22.583 ± 16.968 $\chi^2/\text{NDF}: 58.3/33$

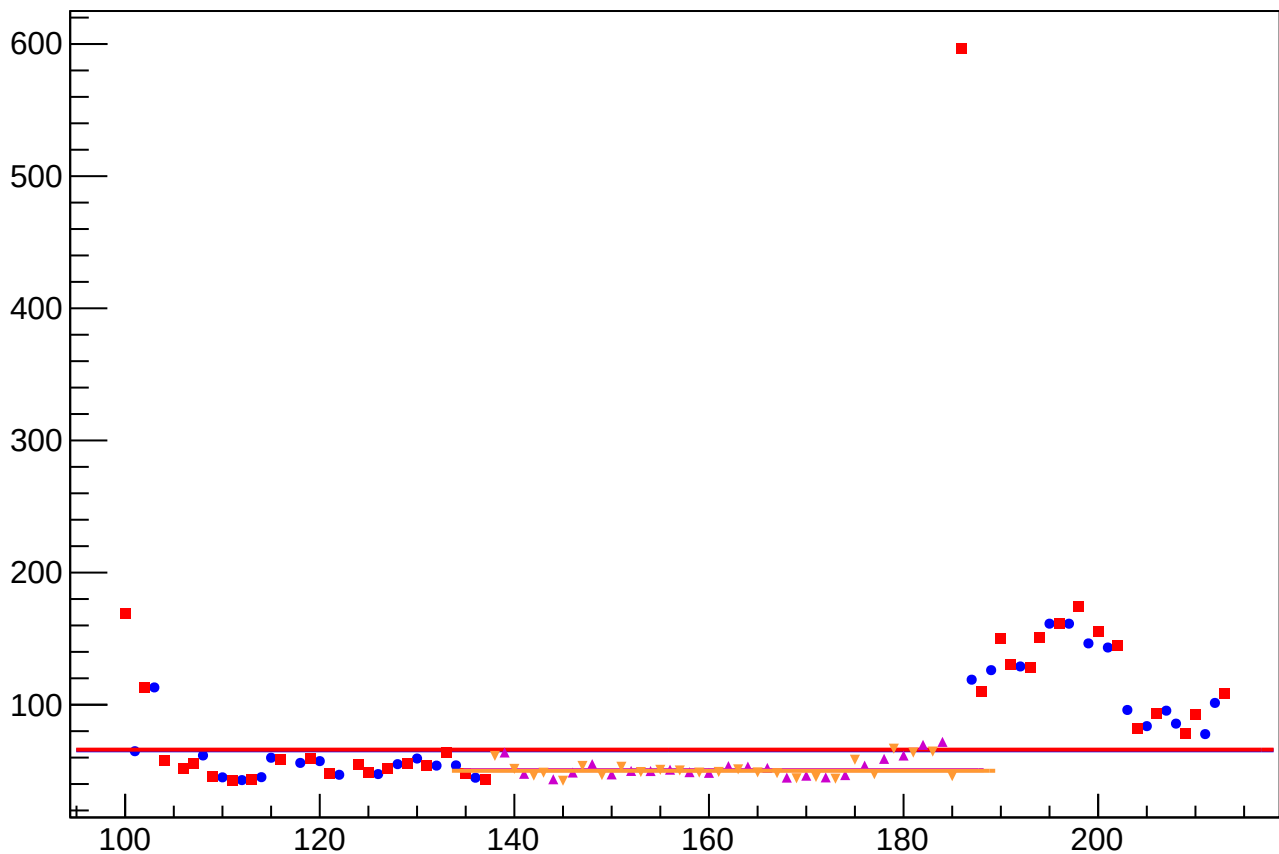
Left In: -51.616 ± 11.929 $\chi^2/\text{NDF}: 35.8/22$

+ sign 26.874 ± 9.557 $\chi^2/\text{NDF}: 60.8/53$

All: -6.850 ± 6.828 $\chi^2/\text{NDF}: 182.3/110$

- sign -42.013 ± 9.758 $\chi^2/\text{NDF}: 96.1/56$

cor_asym_sam_1357_avg_rms vs Slug



Right In: 65.518 $\pm$ 0.012 χ^2 /NDF: 5197076.7/28

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 66.011 $\pm$ 0.012 χ^2 /NDF: 6934560.7/33

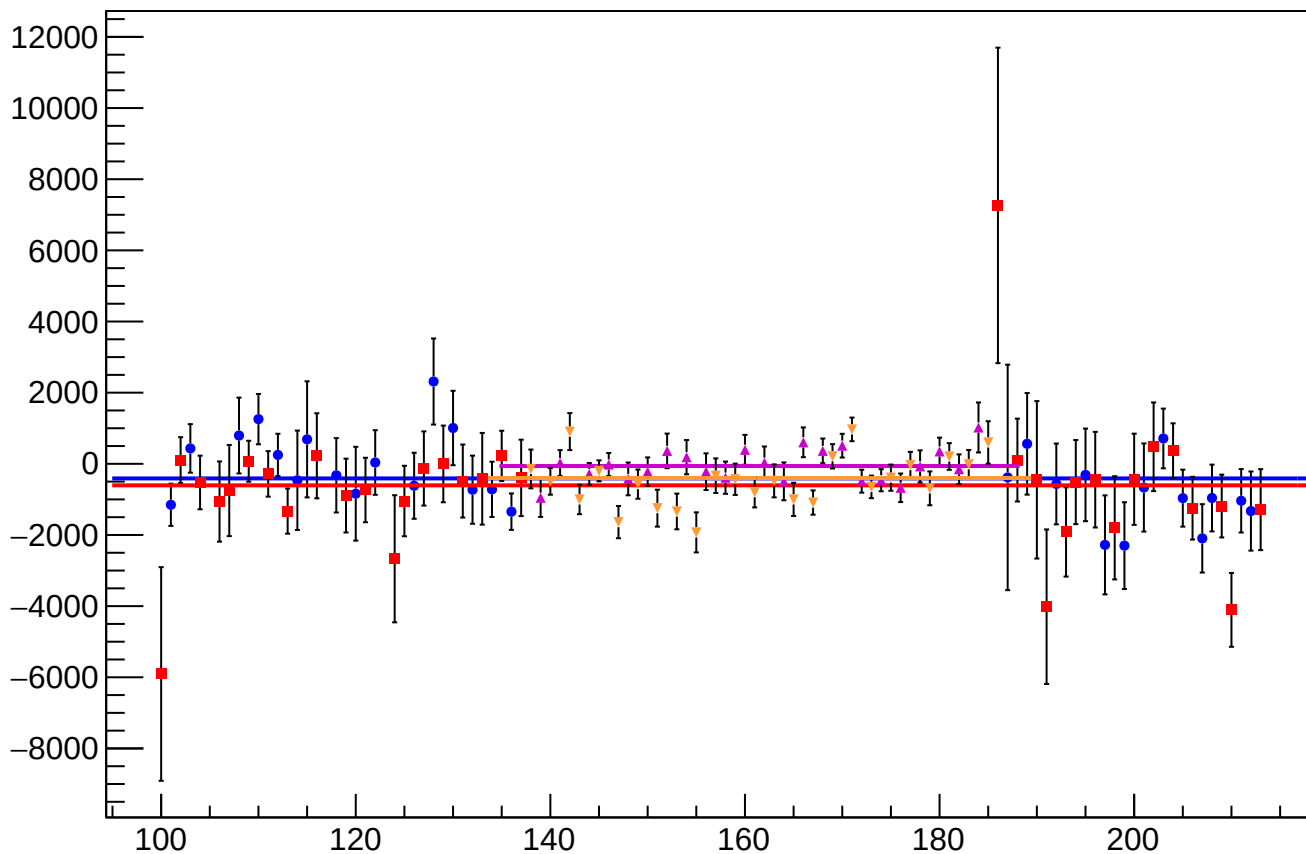
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 54.806 $\pm$ 0.007 χ^2 /NDF: 6828493.9/53

All: 55.213 $\pm$ 0.005 χ^2 /NDF: 15390685.5/110

- sign 55.639 $\pm$ 0.007 χ^2 /NDF: 8554751.9/56

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -410.329 ± 169.846 χ^2/NDF : 34.1/28

Left Out: -399.358 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -604.720 ± 169.518 χ^2/NDF : 34.4/33

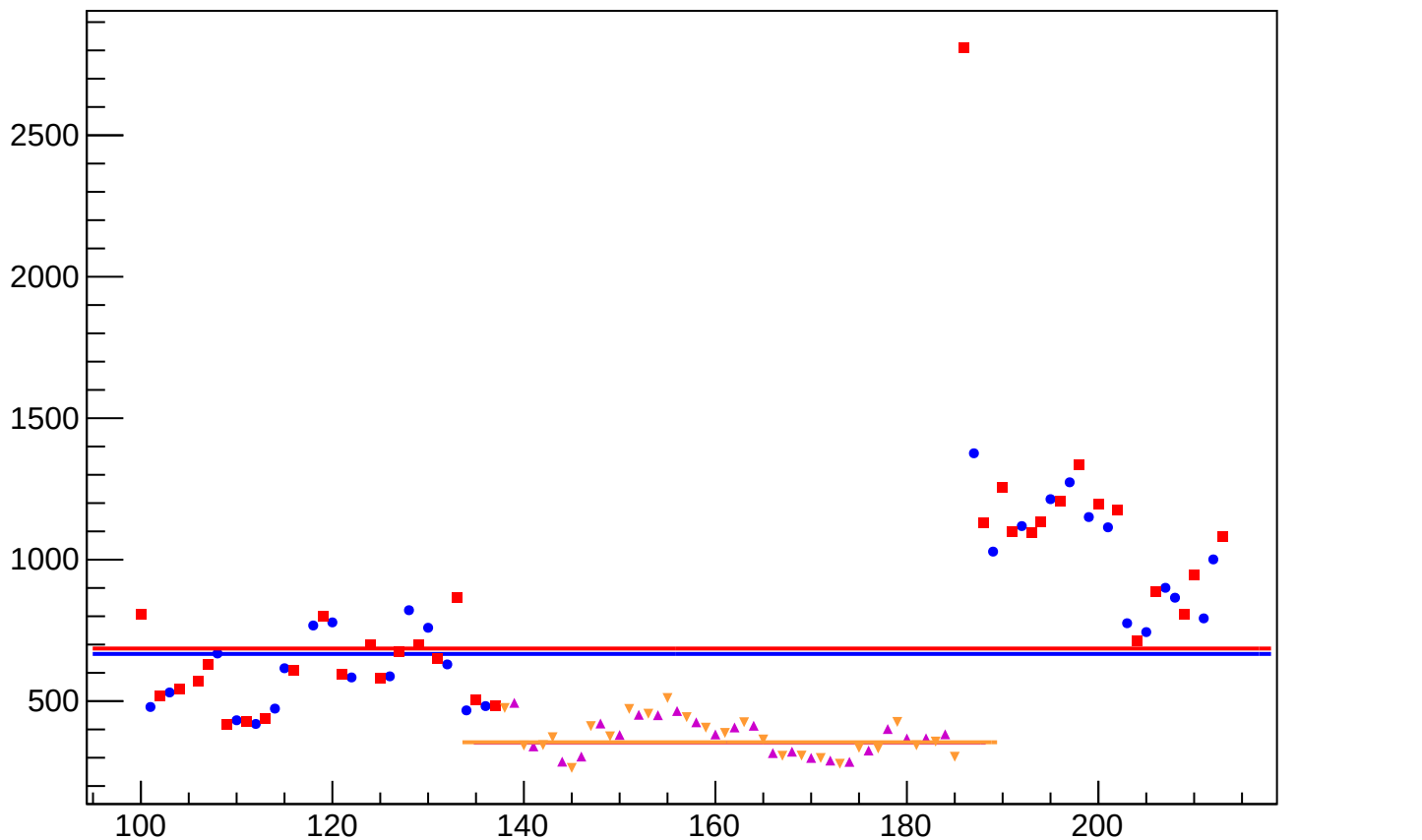
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -401.435 ± 73.891 χ^2/NDF : 99.5/53

All: -287.143 ± 52.702 χ^2/NDF : 170.9/110

- sign -168.800 ± 75.189 χ^2/NDF : 66.5/56

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 666.888 $\pm$ 0.120 χ^2 /NDF: 3725991.6/28

Left Out: 354.670 $\pm$ 0.058 χ^2 /NDF: 1145468.3/24

Right Out: 685.951 $\pm$ 0.120 χ^2 /NDF: 4926327.6/33

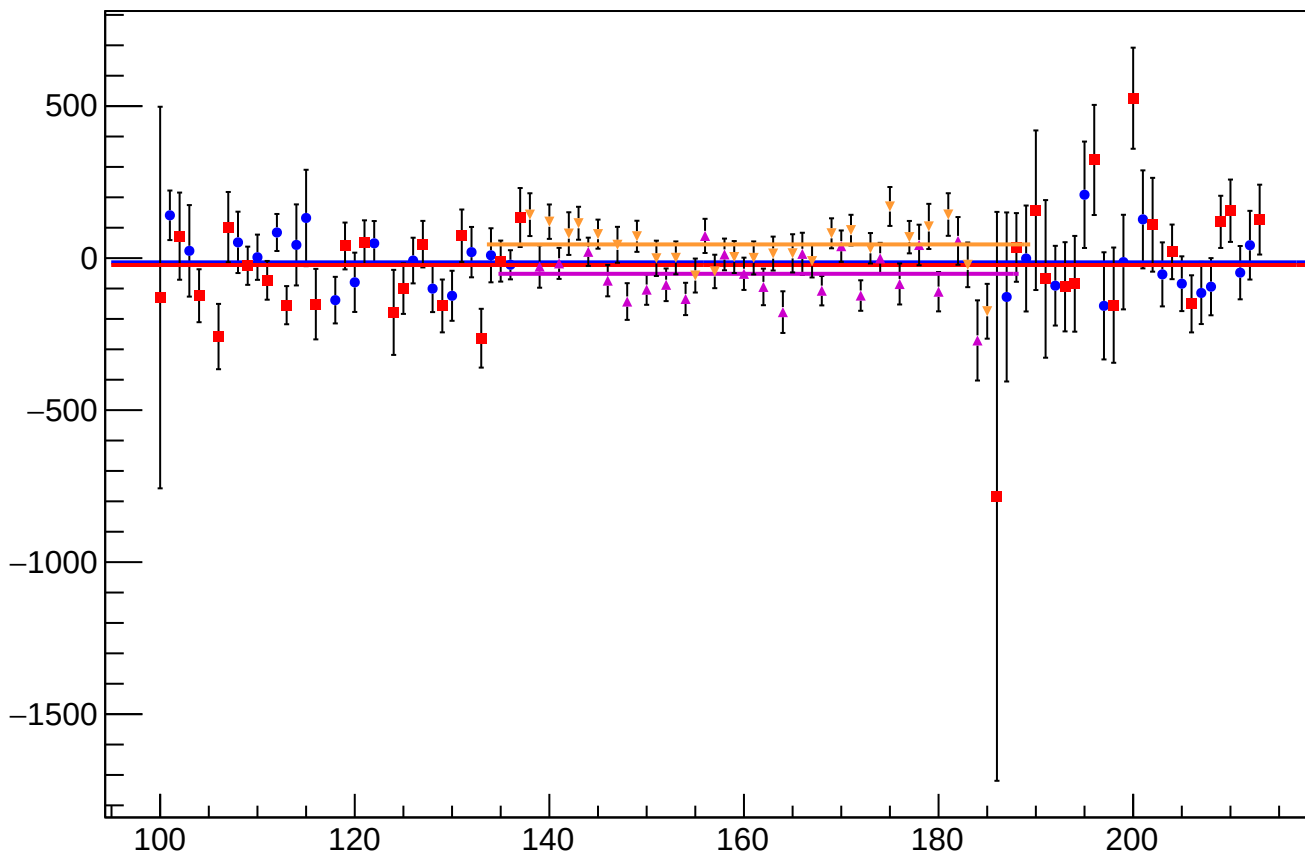
Left In: 353.110 $\pm$ 0.059 χ^2 /NDF: 1004126.9/22

+ sign 413.762 $\pm$ 0.052 χ^2 /NDF: 10350666.7/53

All: 416.134 $\pm$ 0.037 χ^2 /NDF: 22478751.1/11

- sign 418.590 $\pm$ 0.053 χ^2 /NDF: 12123889.3/56

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.923 ± 17.199 χ^2/NDF : 21.3/28

Left Out: 45.096 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -22.583 ± 16.968 χ^2/NDF : 58.3/33

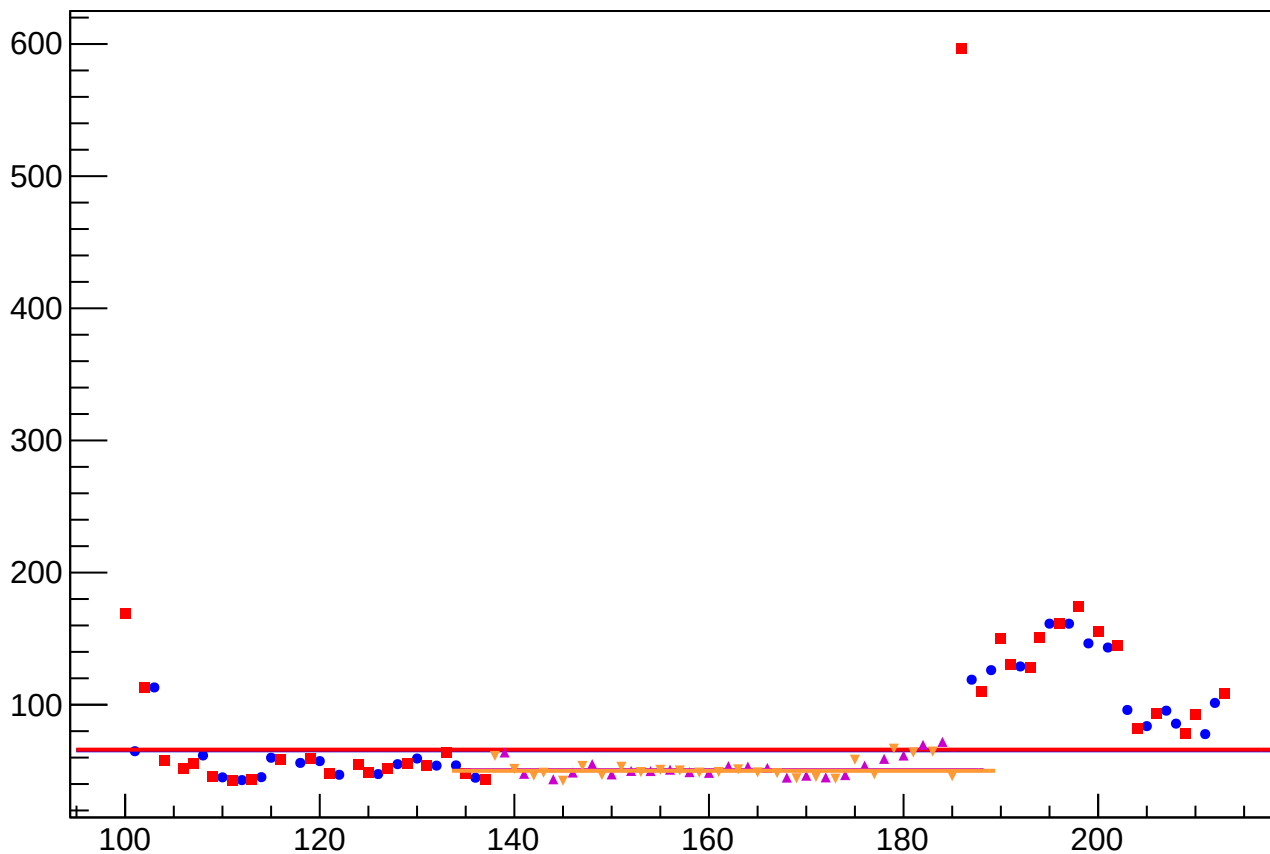
Left In: -51.616 ± 11.929 χ^2/NDF : 35.8/22

+ sign 26.874 ± 9.557 χ^2/NDF : 60.8/53

All: -6.850 ± 6.828 χ^2/NDF : 182.3/110

- sign -42.013 ± 9.758 χ^2/NDF : 96.1/56

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 65.518 $\pm$ 0.012 χ^2 /NDF: 5197076.7/28

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 66.011 $\pm$ 0.012 χ^2 /NDF: 6934560.7/33

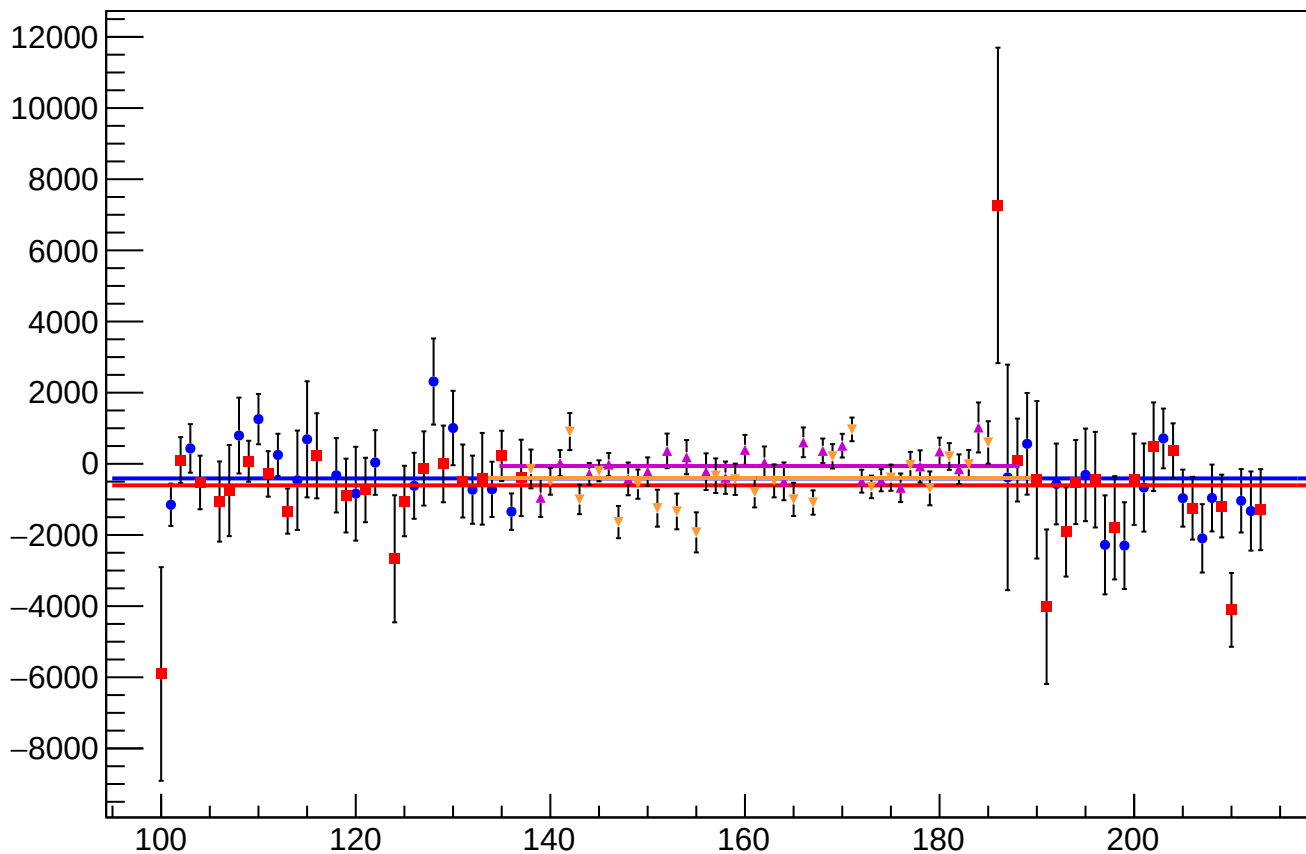
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 54.806 $\pm$ 0.007 χ^2 /NDF: 6828493.9/53

All: 55.213 $\pm$ 0.005 χ^2 /NDF: 15390685.5/110

- sign 55.639 $\pm$ 0.007 χ^2 /NDF: 8554751.9/56

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -410.329 ± 169.846 χ^2/NDF : 34.1/28

Left Out: -399.358 ± 82.064 χ^2/NDF : 65.4/24

Right Out: -604.720 ± 169.518 χ^2/NDF : 34.4/33

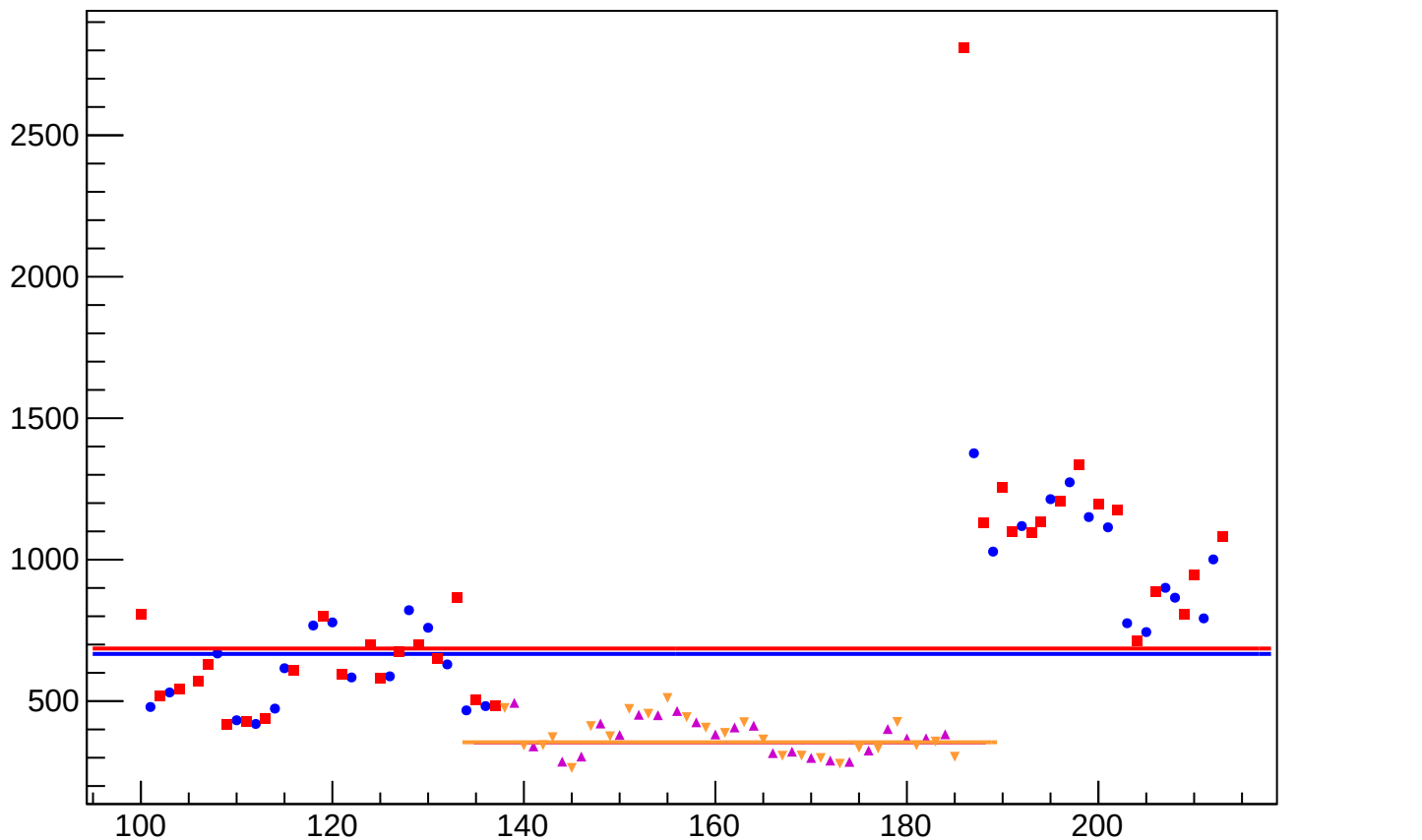
Left In: -62.038 ± 83.892 χ^2/NDF : 23.9/22

+ sign -401.435 ± 73.891 χ^2/NDF : 99.5/53

All: -287.143 ± 52.702 χ^2/NDF : 170.9/110

- sign -168.800 ± 75.189 χ^2/NDF : 66.5/56

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 666.888 ± 0.120 χ^2/NDF : 3725991.6/28

Left Out: 354.670 ± 0.058 χ^2/NDF : 1145468.3/24

Right Out: 685.951 ± 0.120 χ^2/NDF : 4926327.6/33

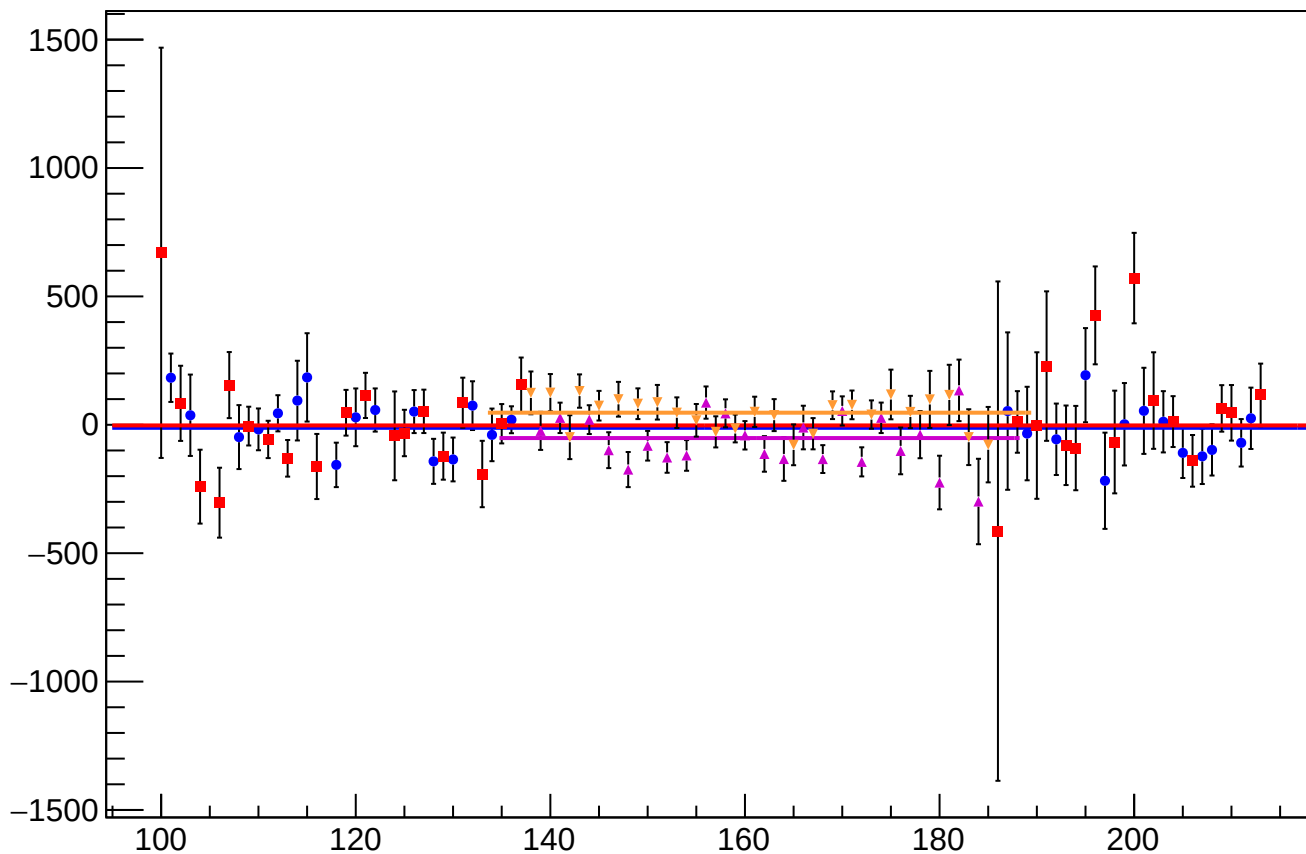
Left In: 353.110 ± 0.059 χ^2/NDF : 1004126.9/22

+ sign 413.762 ± 0.052 χ^2/NDF : 10350666.7/53

All: 416.134 ± 0.037 χ^2/NDF : 22478751.1/11

- sign 418.590 ± 0.053 χ^2/NDF : 12123889.3/56

dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.666 ± 19.062 χ^2/NDF : 22.7/28

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -2.433 ± 19.279 χ^2/NDF : 46.1/33

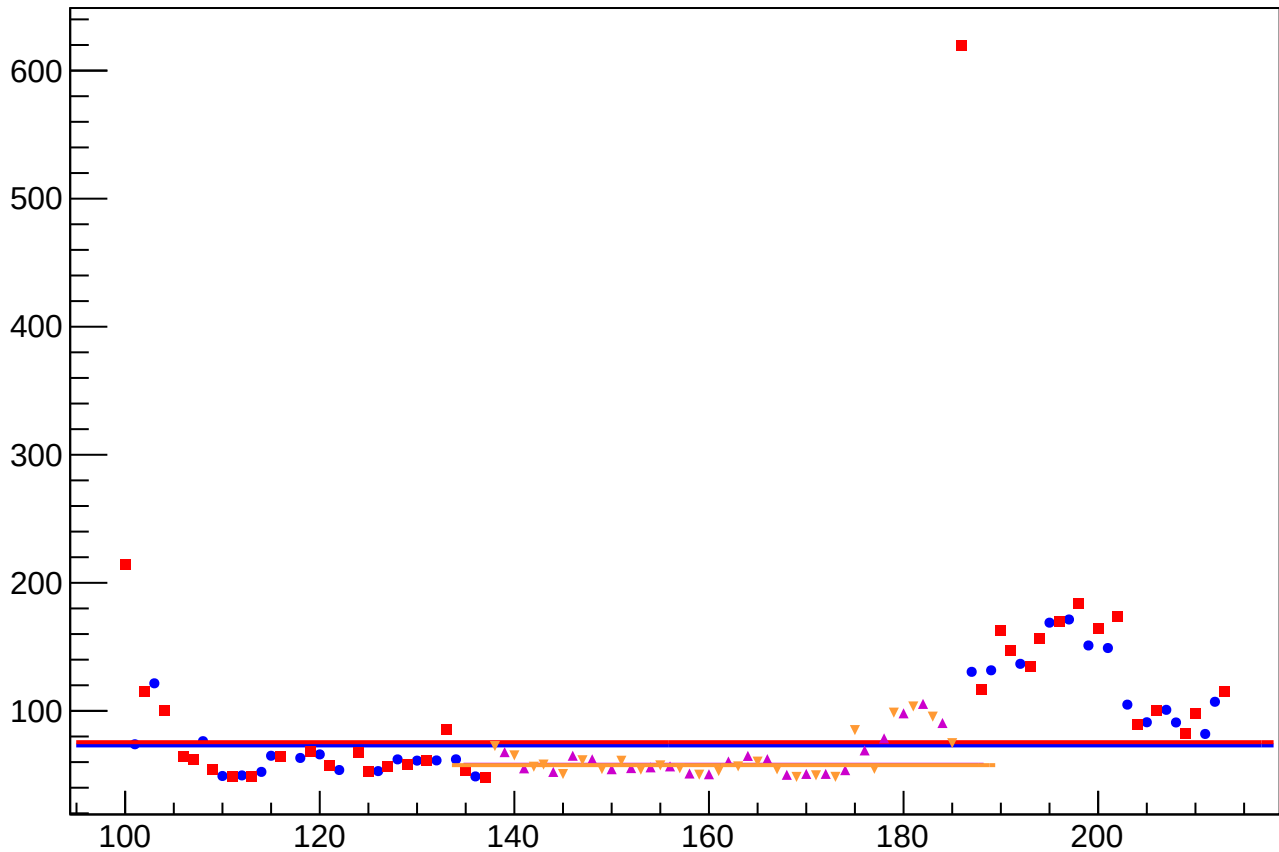
Left In: -51.652 ± 13.934 χ^2/NDF : 38.2/22

+ sign 27.482 ± 11.023 χ^2/NDF : 46.1/53

All: -2.888 ± 7.888 χ^2/NDF : 150.2/110

- sign -34.763 ± 11.293 χ^2/NDF : 88.6/56

dit_asym_sam_1357_avg_rms vs Slug



Right In: 73.027+/-0.013 χ^2/NDF : 4691833.0/28

Left Out: 57.631+/-0.010 χ^2/NDF :1365448.6/24

Right Out: 75.564+/-0.014 χ^2/NDF : 6325657.5/33

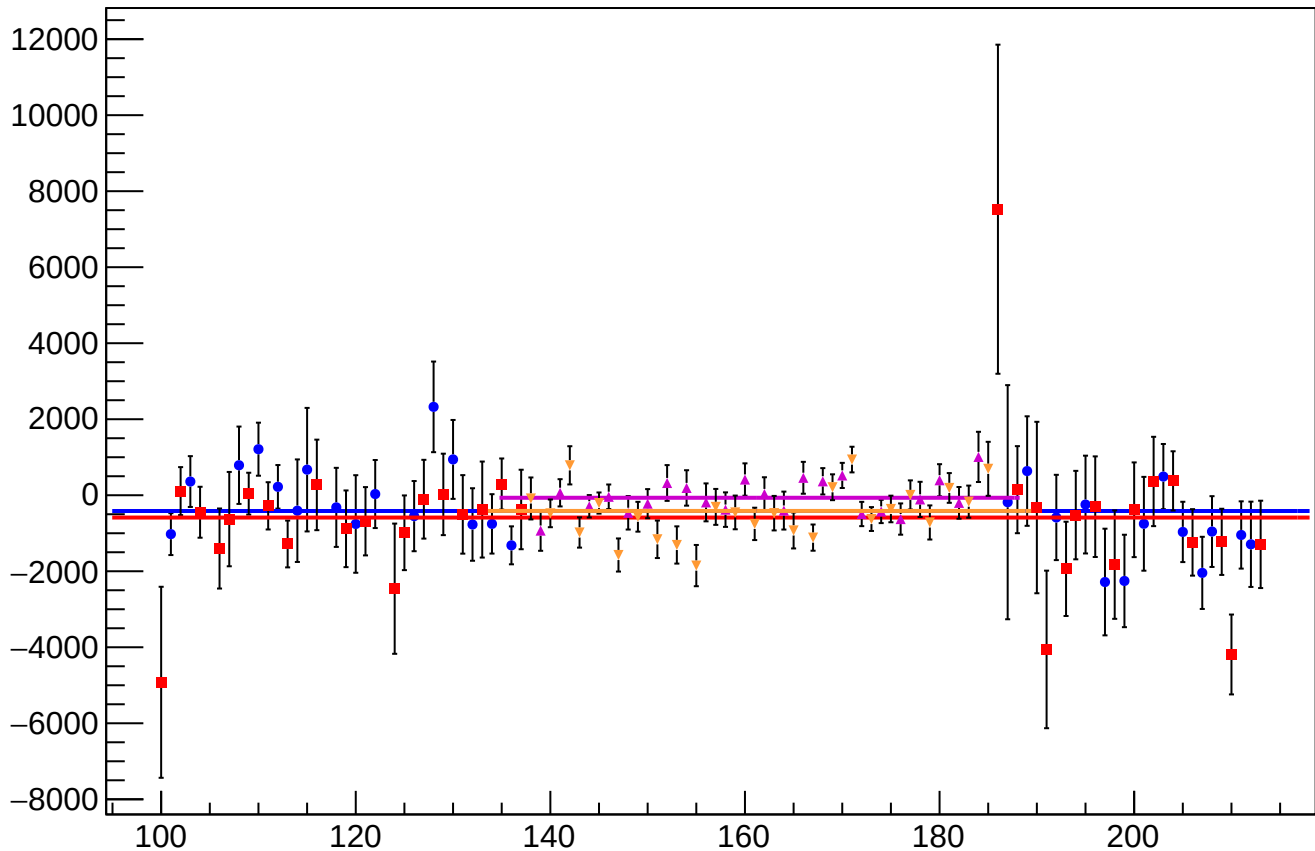
Left In: 57.940+/-0.010 χ^2/NDF :1124523.3/22

+ sign 62.779+/-0.008 χ^2/NDF : 6925728.6/53

All: 63.369+/-0.006 χ^2/NDF : 15485608.3/110

- sign 63.987+/-0.008 χ^2/NDF : 8548160.2/56

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -414.846 ± 166.767 χ^2/NDF : 32.7/28

Left Out: -413.053 ± 81.134 χ^2/NDF : 61.3/24

Right Out: -587.184 ± 164.924 χ^2/NDF : 36.1/33

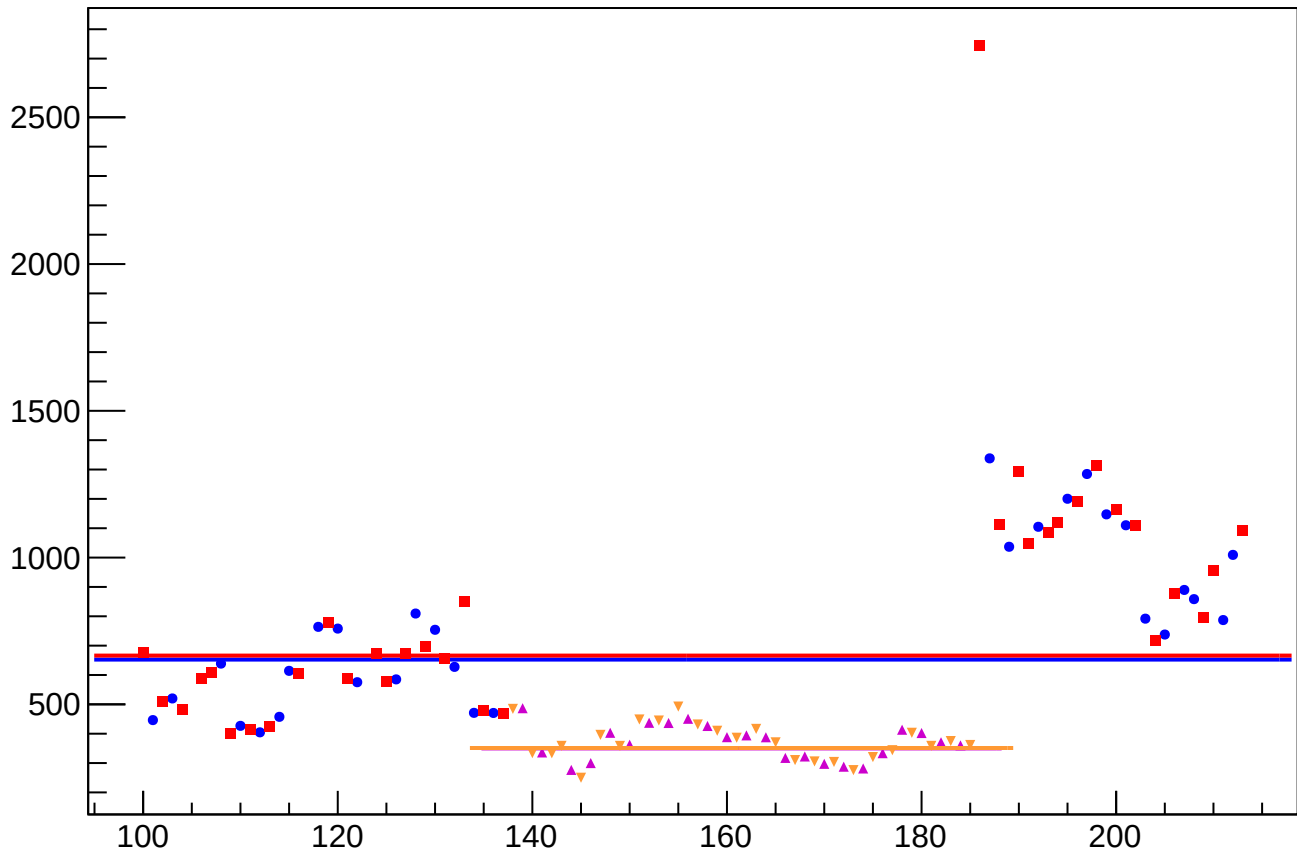
Left In: -66.637 ± 83.082 χ^2/NDF : 22.9/22

+ sign -413.396 ± 72.958 χ^2/NDF : 94.0/53

All: -294.733 ± 52.022 χ^2/NDF : 166.4/110

- sign -171.999 ± 74.199 χ^2/NDF : 67.0/56

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 652.496 ± 0.118 χ^2/NDF : 3963529.6/28

Left Out: 351.264 ± 0.057 χ^2/NDF : 1118247.7/24

Right Out: 666.102 ± 0.117 χ^2/NDF : 5174028.2/33

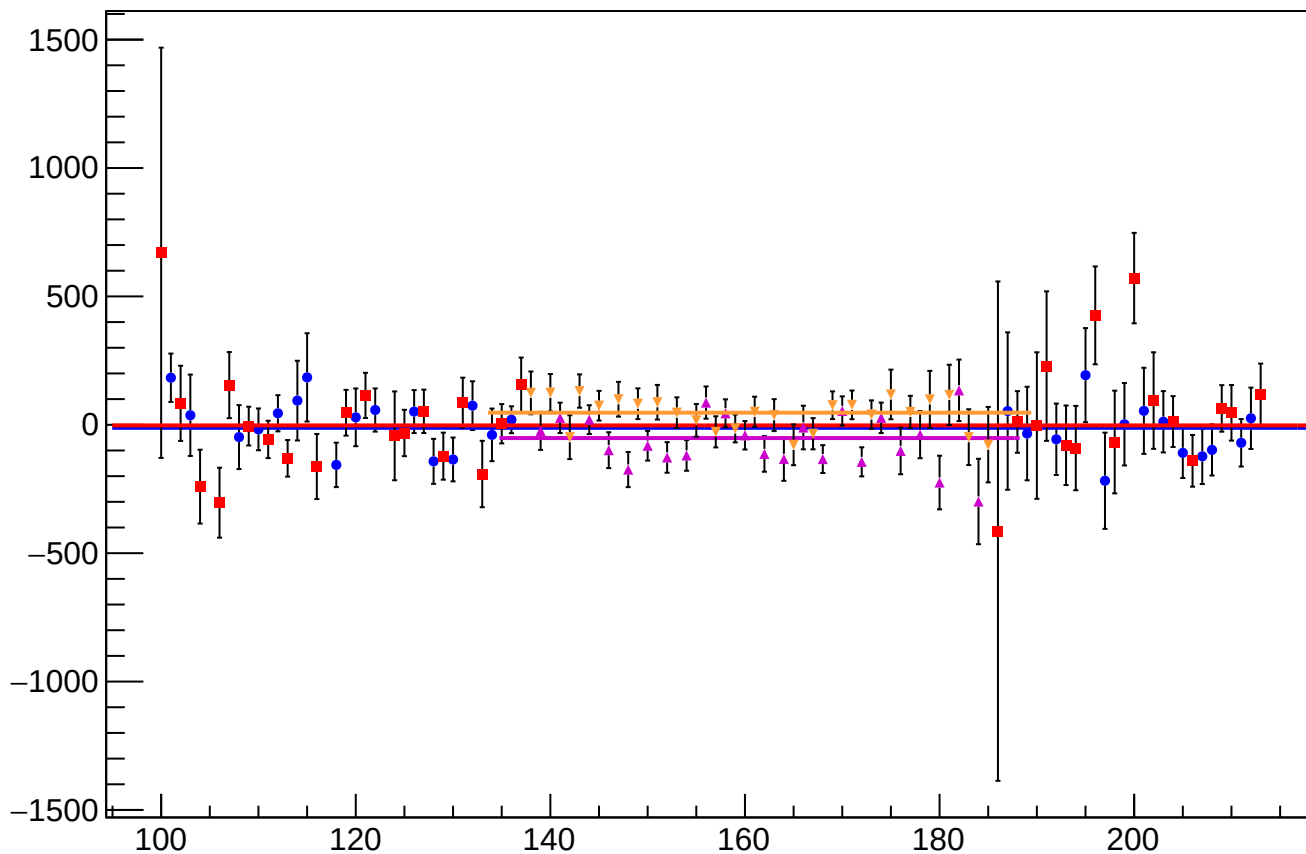
Left In: 349.813 ± 0.059 χ^2/NDF : 990366.6/22

+ sign 408.918 ± 0.052 χ^2/NDF : 10358315.1/53

All: 411.333 ± 0.037 χ^2/NDF : 22394079.8/11

- sign 413.832 ± 0.052 χ^2/NDF : 12031305.1/56

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -11.666 ± 19.062 χ^2/NDF : 22.7/28

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -2.431 ± 19.279 χ^2/NDF : 46.1/33

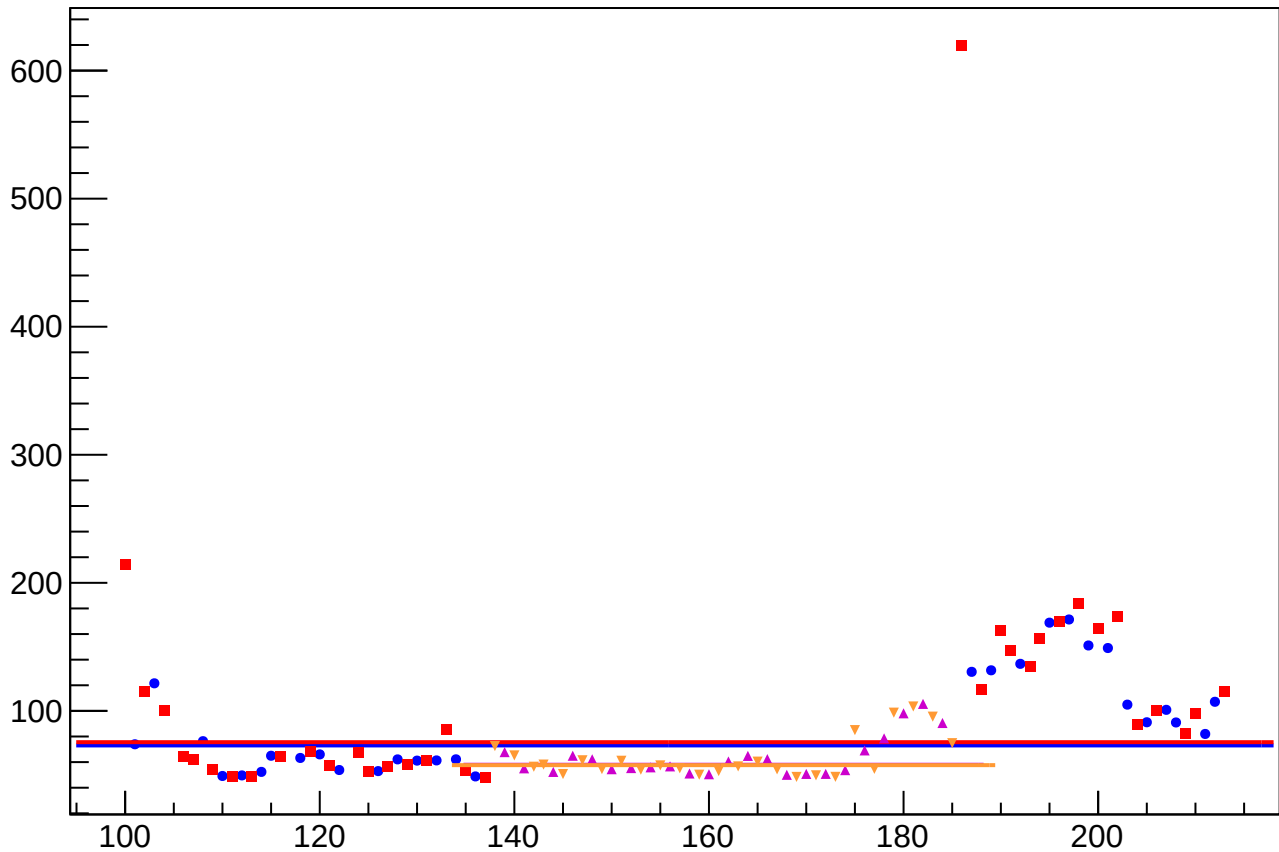
Left In: -51.651 ± 13.934 χ^2/NDF : 38.2/22

+ sign 27.483 ± 11.023 χ^2/NDF : 46.1/53

All: -2.888 ± 7.888 χ^2/NDF : 150.2/110

- sign -34.762 ± 11.293 χ^2/NDF : 88.6/56

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 73.027 $\pm$ 0.013 χ^2 /NDF: 4691809.3/28

Left Out: 57.631 $\pm$ 0.010 χ^2 /NDF:1365443.1/24

Right Out: 75.565 $\pm$ 0.014 χ^2 /NDF: 6325639.3/33

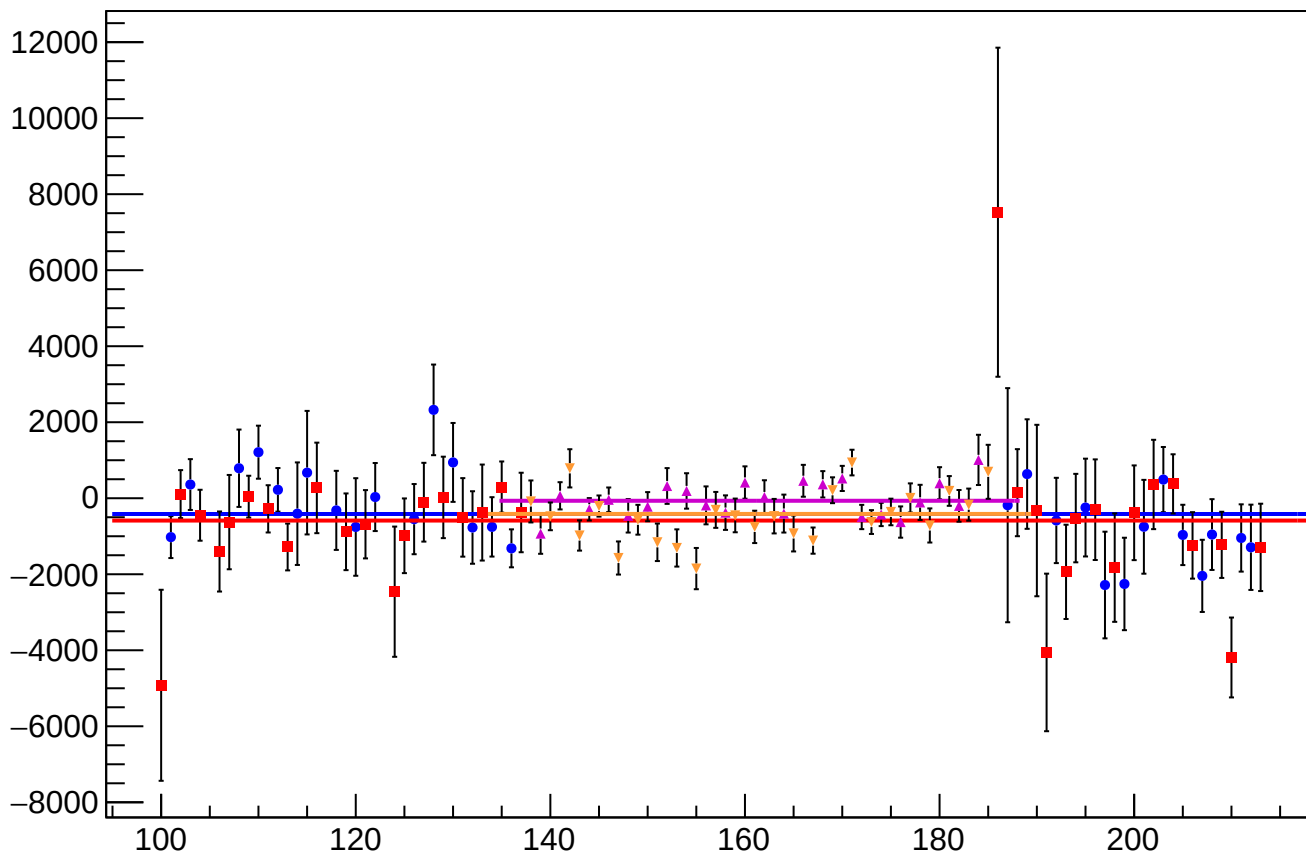
Left In: 57.940 $\pm$ 0.010 χ^2 /NDF:1124509.8/22

+ sign 62.780 $\pm$ 0.008 χ^2 /NDF: 6925698.1/53

All: 63.369 $\pm$ 0.006 χ^2 /NDF: 15485543.0/110

- sign 63.988 $\pm$ 0.008 χ^2 /NDF: 8548124.9/56

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -414.845 ± 166.767 χ^2/NDF : 32.7/28

Left Out: -413.053 ± 81.134 χ^2/NDF : 61.3/24

Right Out: -587.183 ± 164.924 χ^2/NDF : 36.1/33

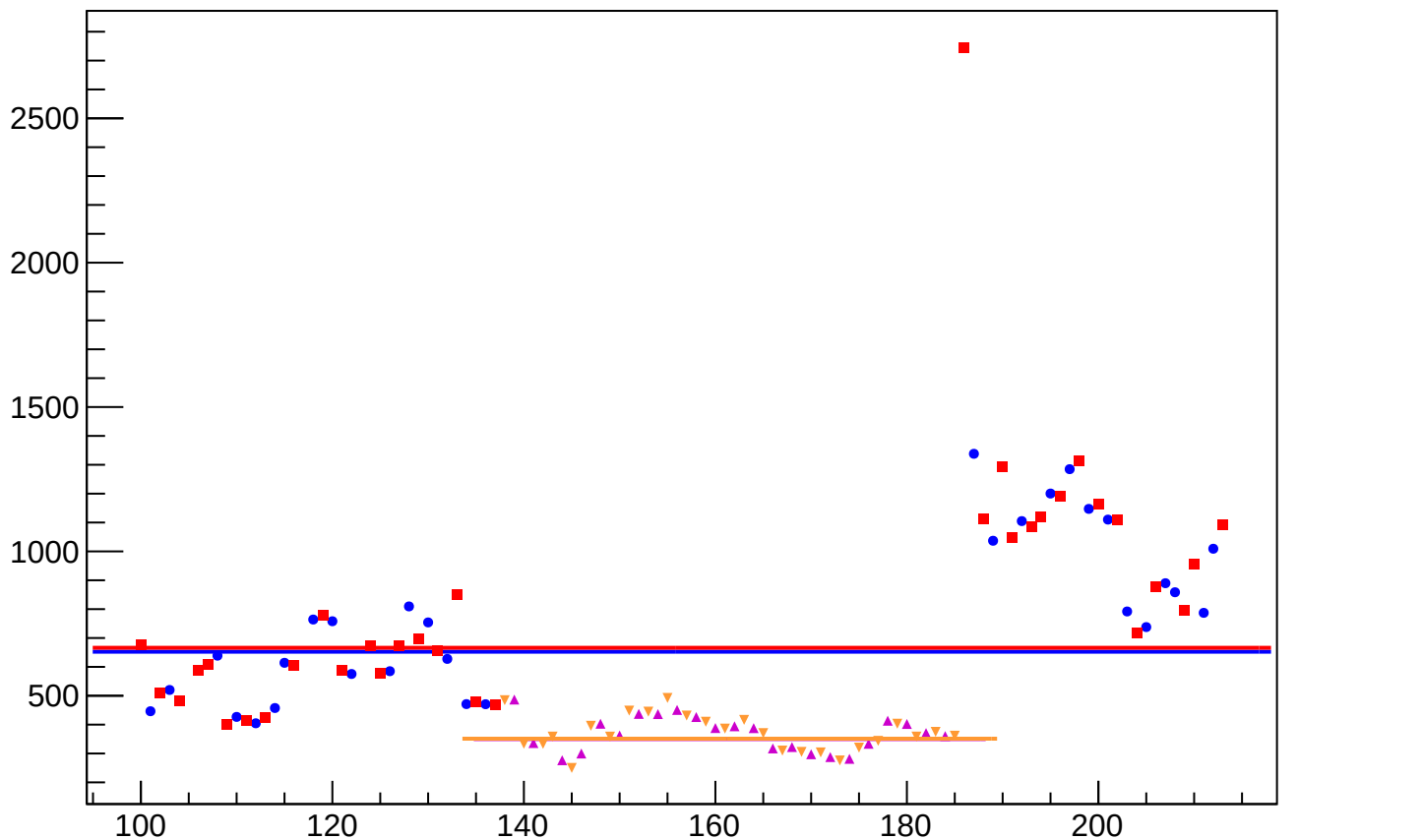
Left In: -66.637 ± 83.082 χ^2/NDF : 22.9/22

+ sign -413.396 ± 72.958 χ^2/NDF : 94.0/53

All: -294.732 ± 52.022 χ^2/NDF : 166.4/110

- sign -171.998 ± 74.199 χ^2/NDF : 67.0/56

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 652.495+/-0.118 χ^2/NDF : 3963541.2/28

Left Out: 351.264+/-0.057 χ^2/NDF :1118243.1/24

Right Out: 666.101+/-0.117 χ^2/NDF : 5174036.3/33

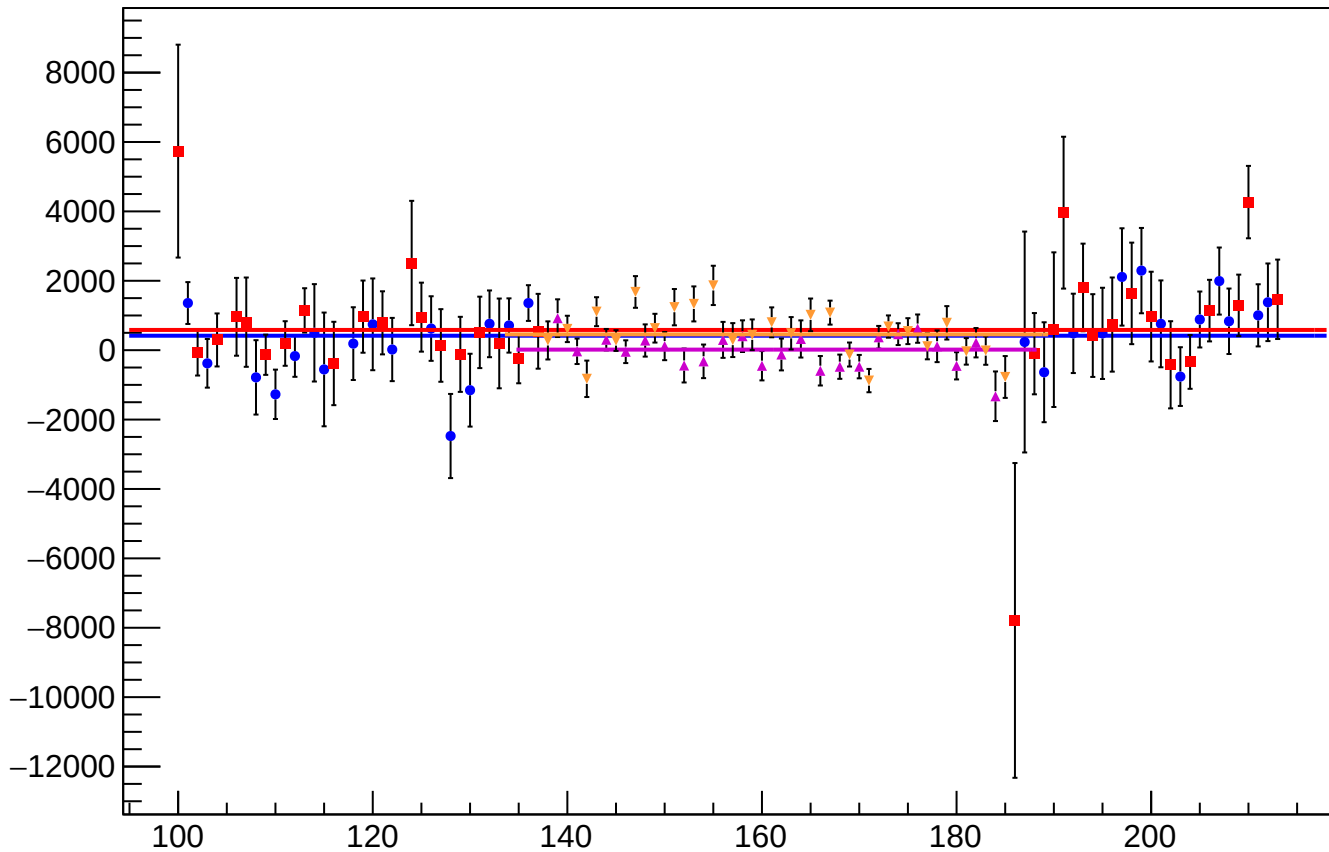
Left In: 349.813+/-0.059 χ^2/NDF :990359.9/22

+ sign 408.917+/-0.052 χ^2/NDF : 10358308.7/53

All: 411.333+/-0.037 χ^2/NDF : 22394054.9/11

- sign 413.831+/-0.052 χ^2/NDF : 12031286.3/56

asym_sam_1357_avg_mean vs Slug



Right In: 416.590 ± 171.163 χ^2/NDF : 34.5/28

Left Out: 455.234 ± 82.961 χ^2/NDF : 60.8/24

Right Out: 583.232 ± 170.724 χ^2/NDF : 34.8/33

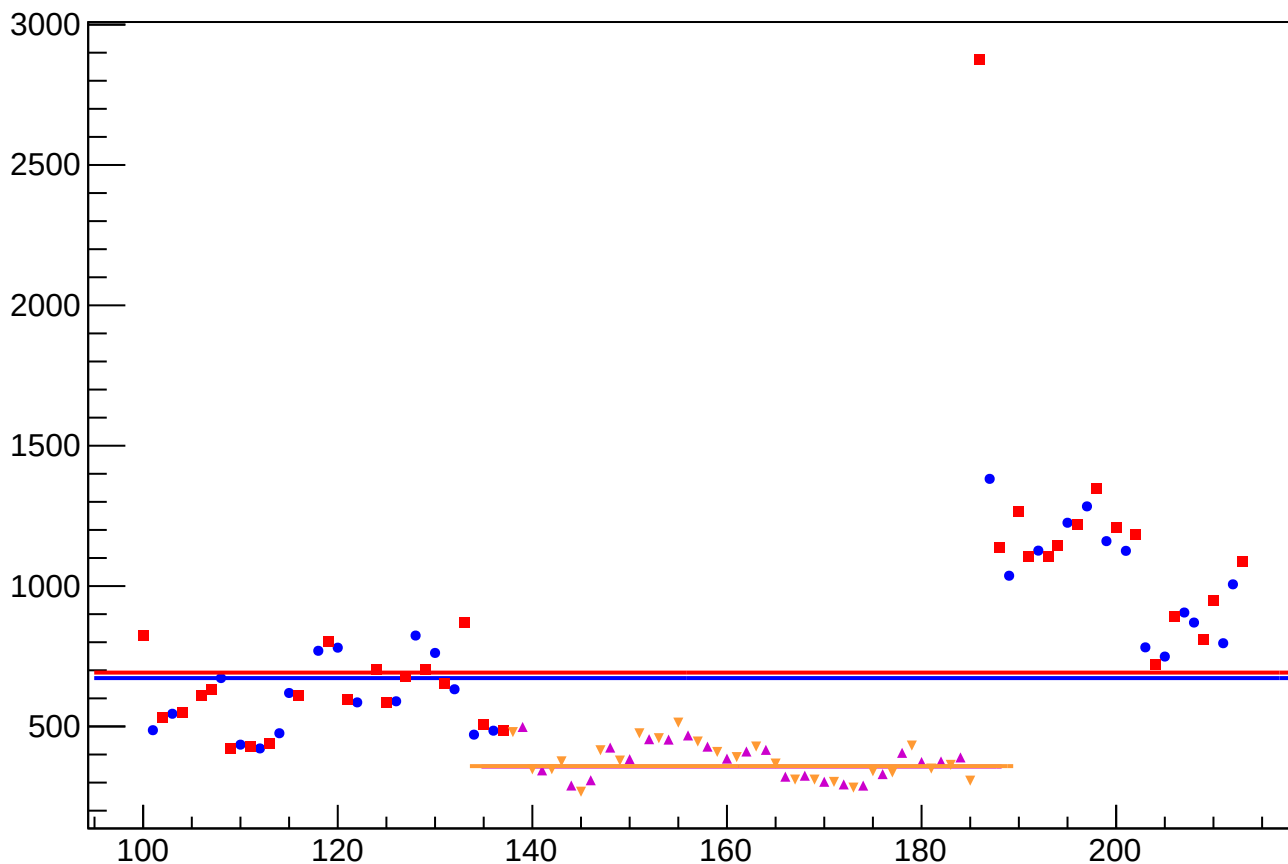
Left In: 16.073 ± 84.830 χ^2/NDF : 24.9/22

+ sign 447.883 ± 74.654 χ^2/NDF : 95.4/53

All: 290.919 ± 53.247 χ^2/NDF : 172.9/110

- sign 128.375 ± 75.969 χ^2/NDF : 68.5/56

asym_sam_1357_avg_rms vs Slug



Right In: 672.217+/-0.121 χ^2/NDF : 3709223.5/28

Left Out: 358.677+/-0.059 χ^2/NDF :1119535.1/24

Right Out: 691.834+/-0.121 χ^2/NDF : 4910185.6/33

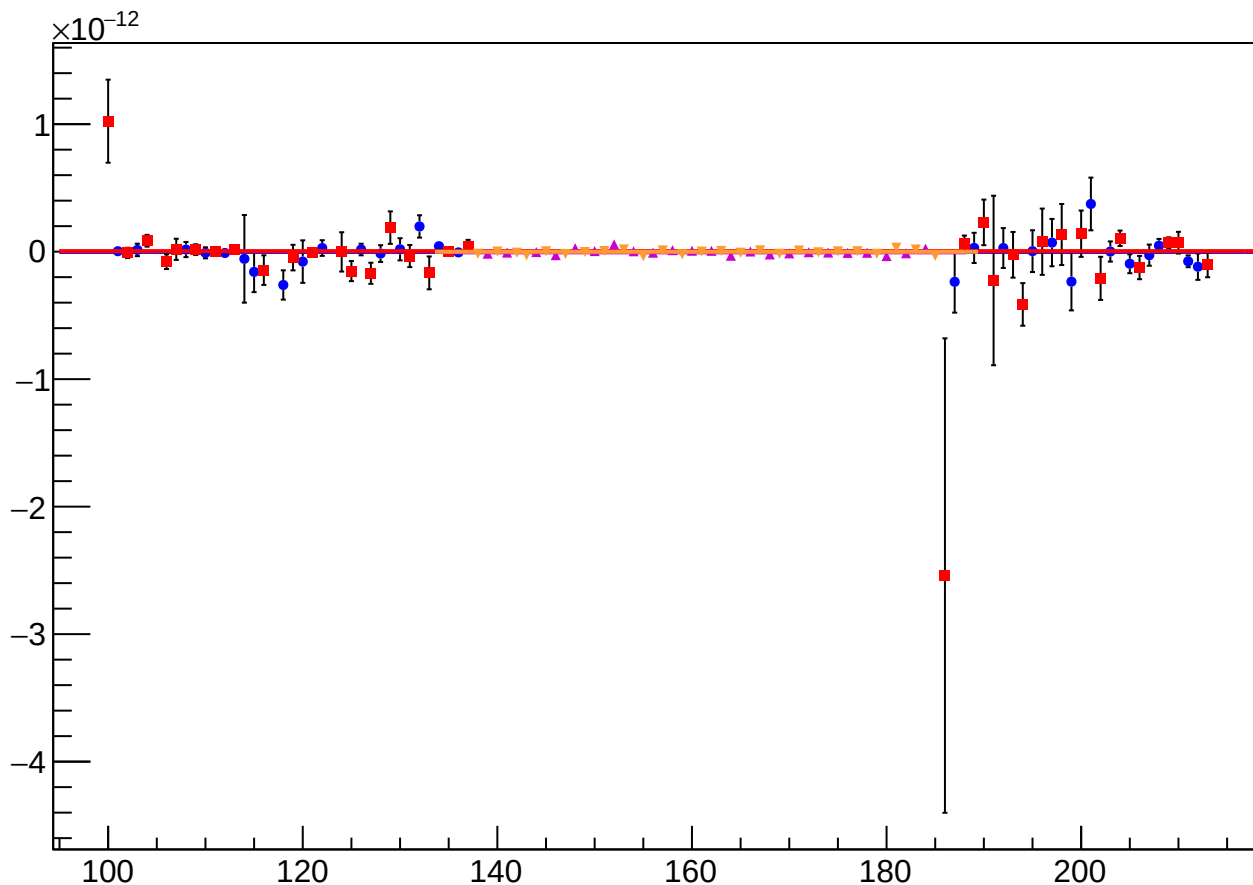
Left In: 357.182+/-0.060 χ^2/NDF :981641.8/22

+ sign 418.322+/-0.053 χ^2/NDF : 10263256.1/53

All: 420.840+/-0.038 χ^2/NDF : 22322779.0/11

- sign 423.446+/-0.054 χ^2/NDF : 12054894.5/56

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/33

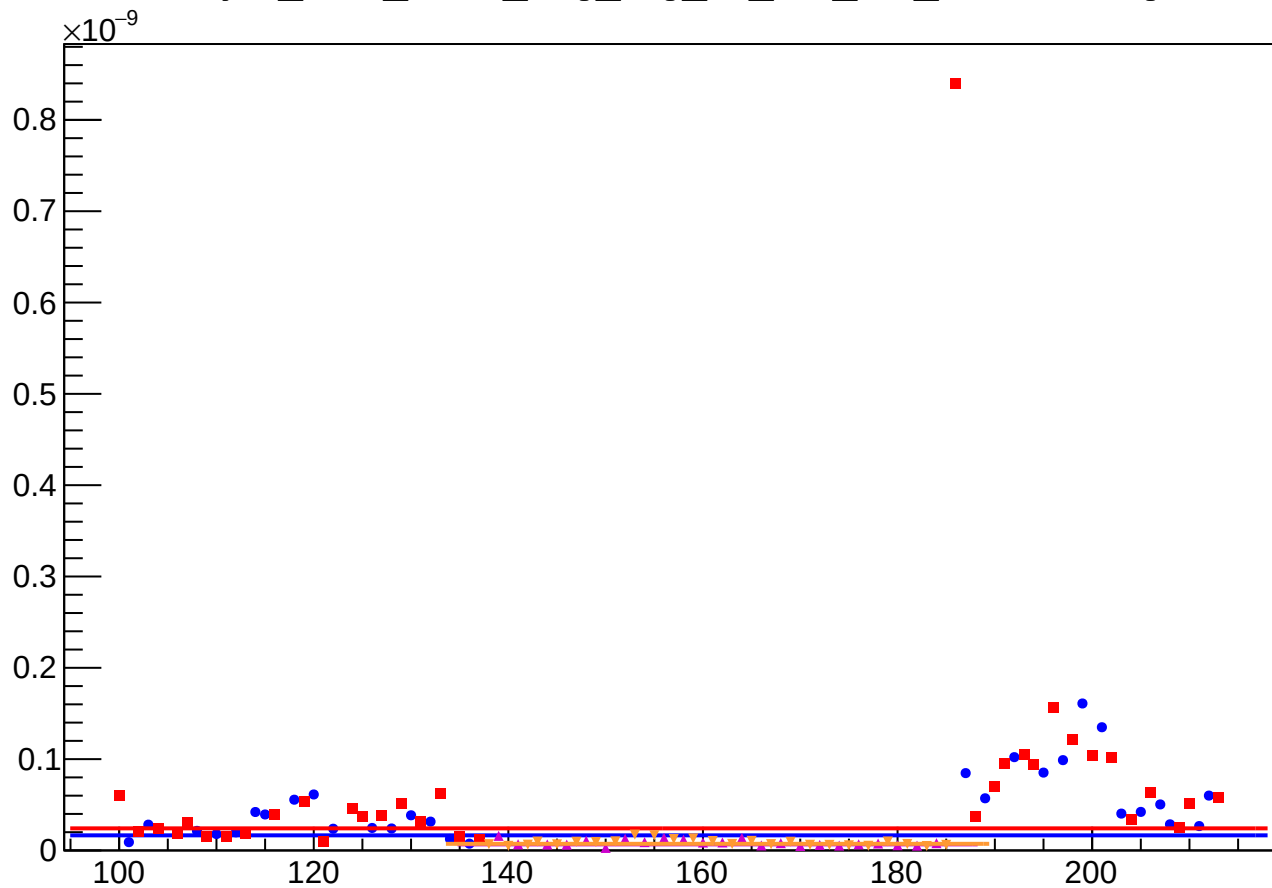
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/53

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 126.4/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 81.5/56

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6605203.3/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5606289.1/33

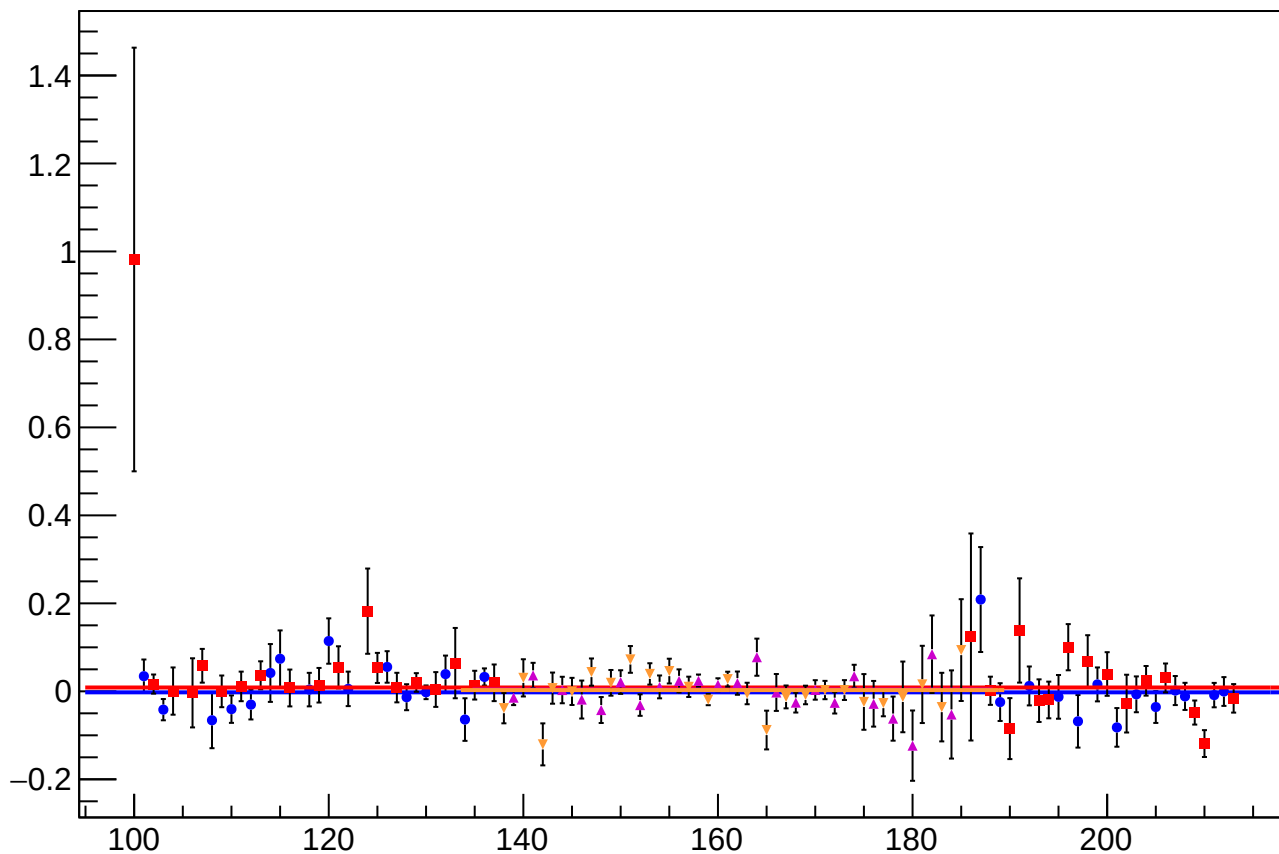
Left In: 0.000+/-0.000 χ^2/NDF : 1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 10186602.9/53

All: 0.000+/-0.000 χ^2/NDF : 22390393.0/110

- sign 0.000+/-0.000 χ^2/NDF : 12178092.6/56

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.006 χ^2/NDF : 31.7/28

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.009 ± 0.007 χ^2/NDF : 45.3/33

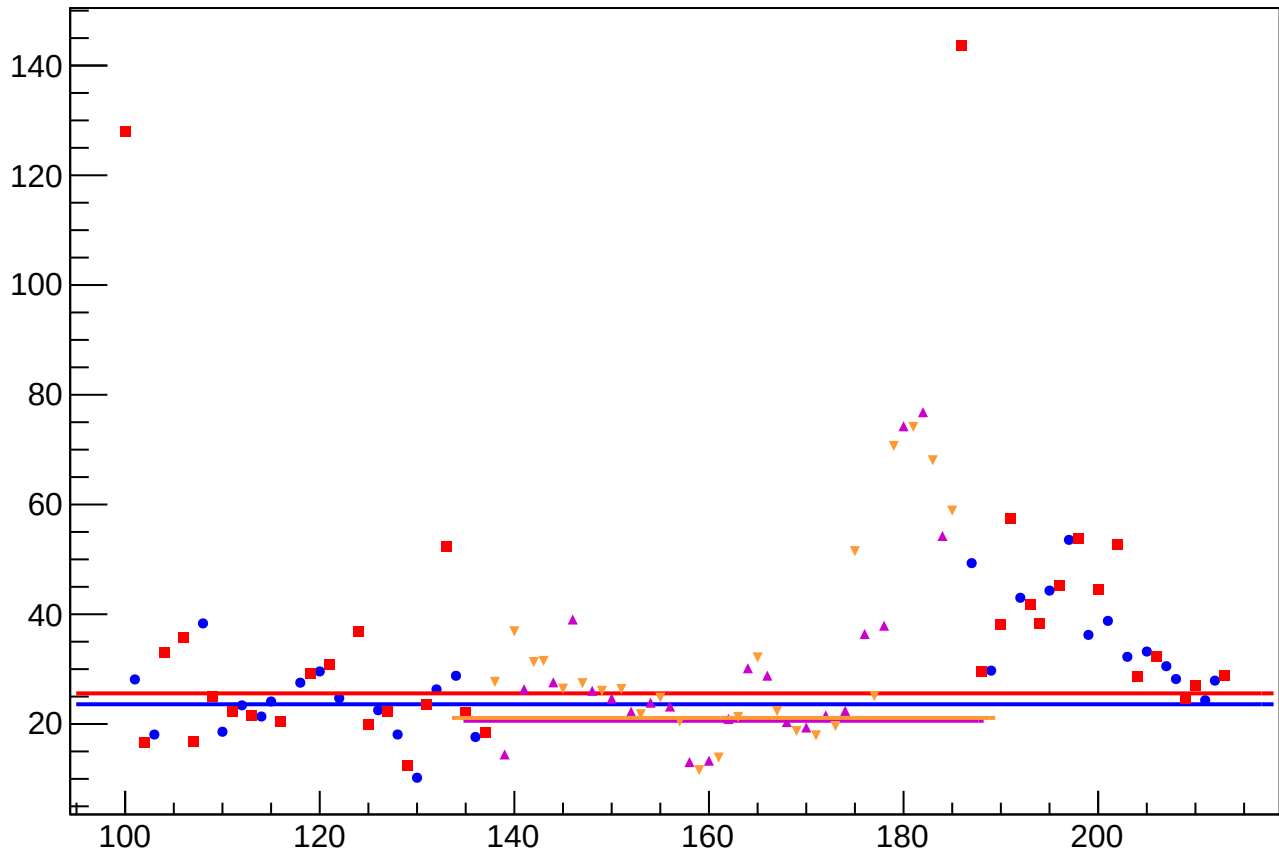
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.8/53

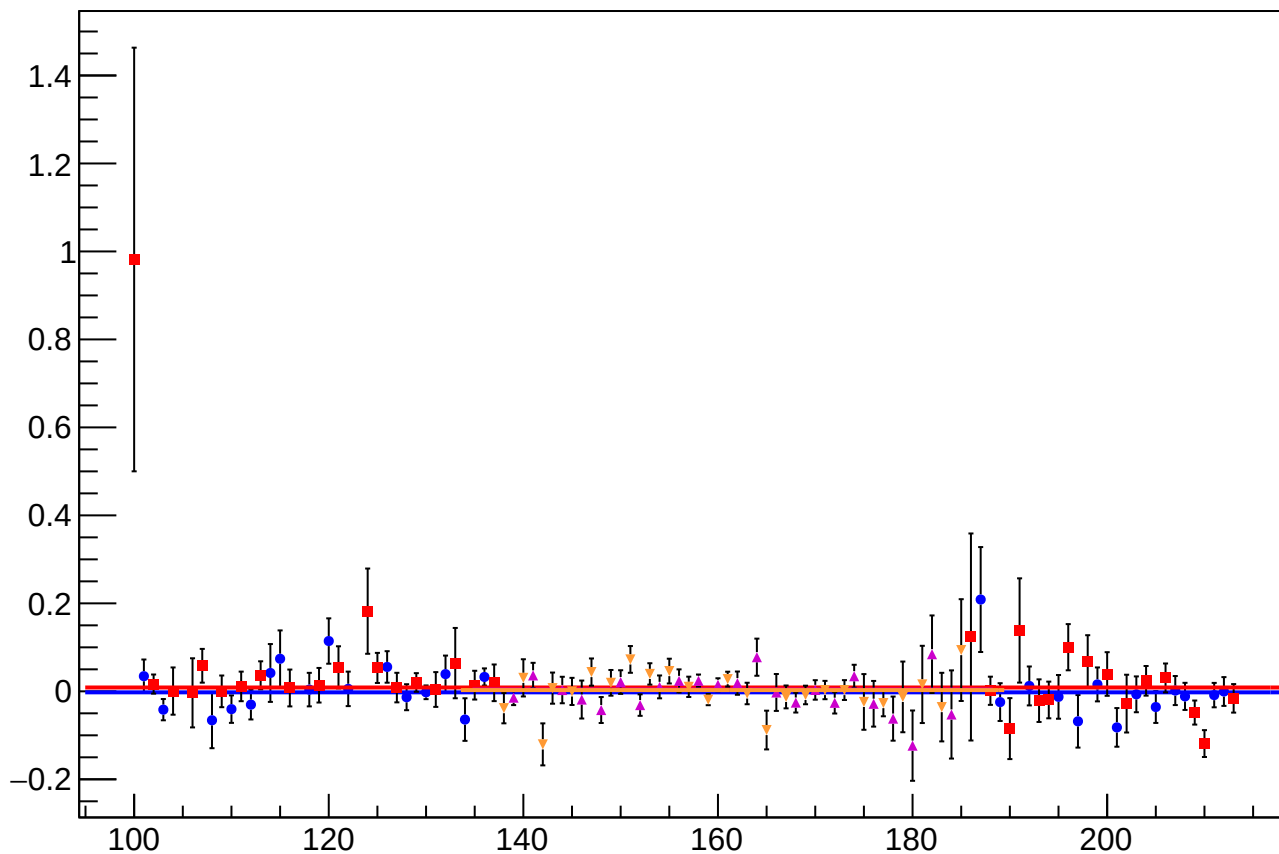
All: 0.003 ± 0.003 χ^2/NDF : 135.8/110

- sign 0.006 ± 0.004 χ^2/NDF : 70.2/56

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.006 χ^2/NDF : 31.7/28

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.009 ± 0.007 χ^2/NDF : 45.3/33

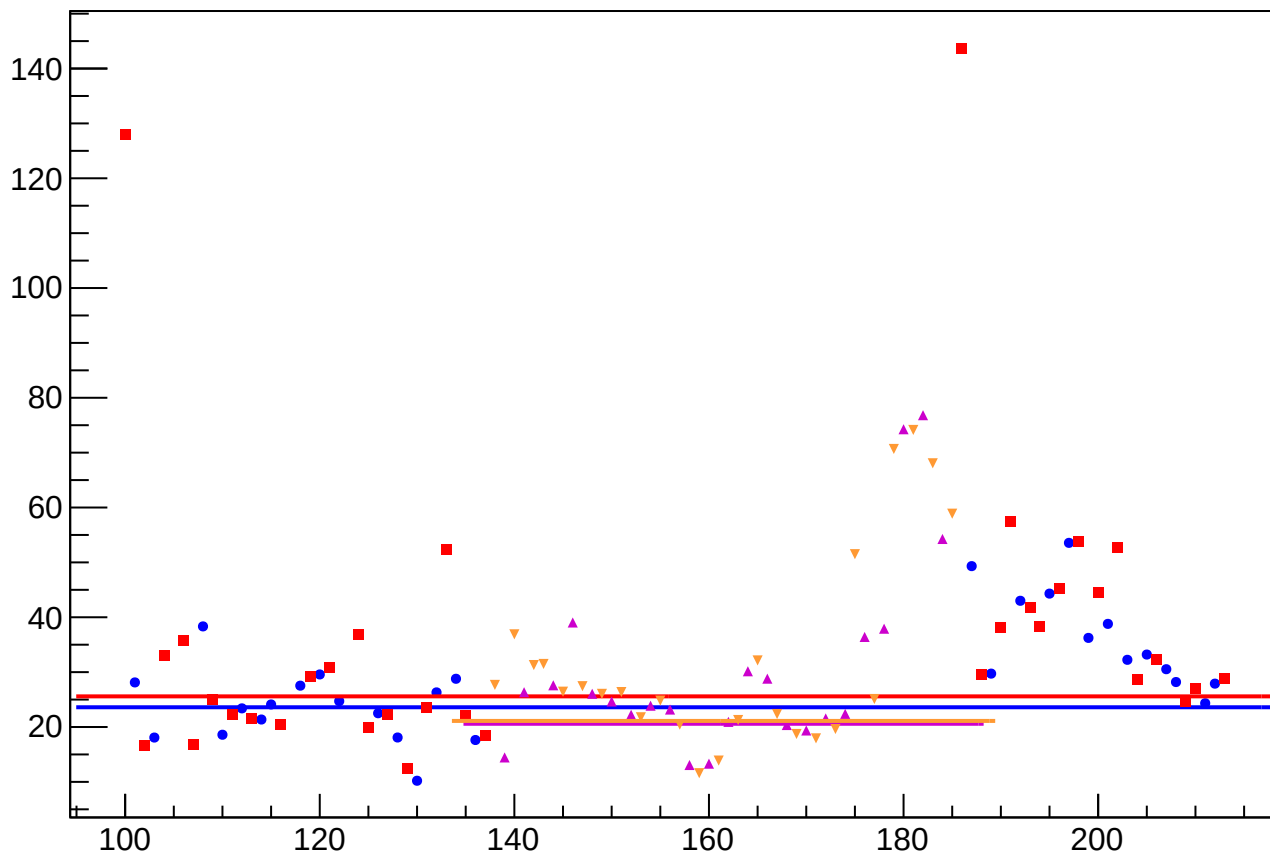
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.8/53

All: 0.003 ± 0.003 χ^2/NDF : 135.8/110

- sign 0.006 ± 0.004 χ^2/NDF : 70.2/56

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.598 $\pm$ 0.004 χ^2 /NDF: 4335254.7/28

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546528.5/24

Right Out: 25.584 $\pm$ 0.005 χ^2 /NDF: 4569061.8/33

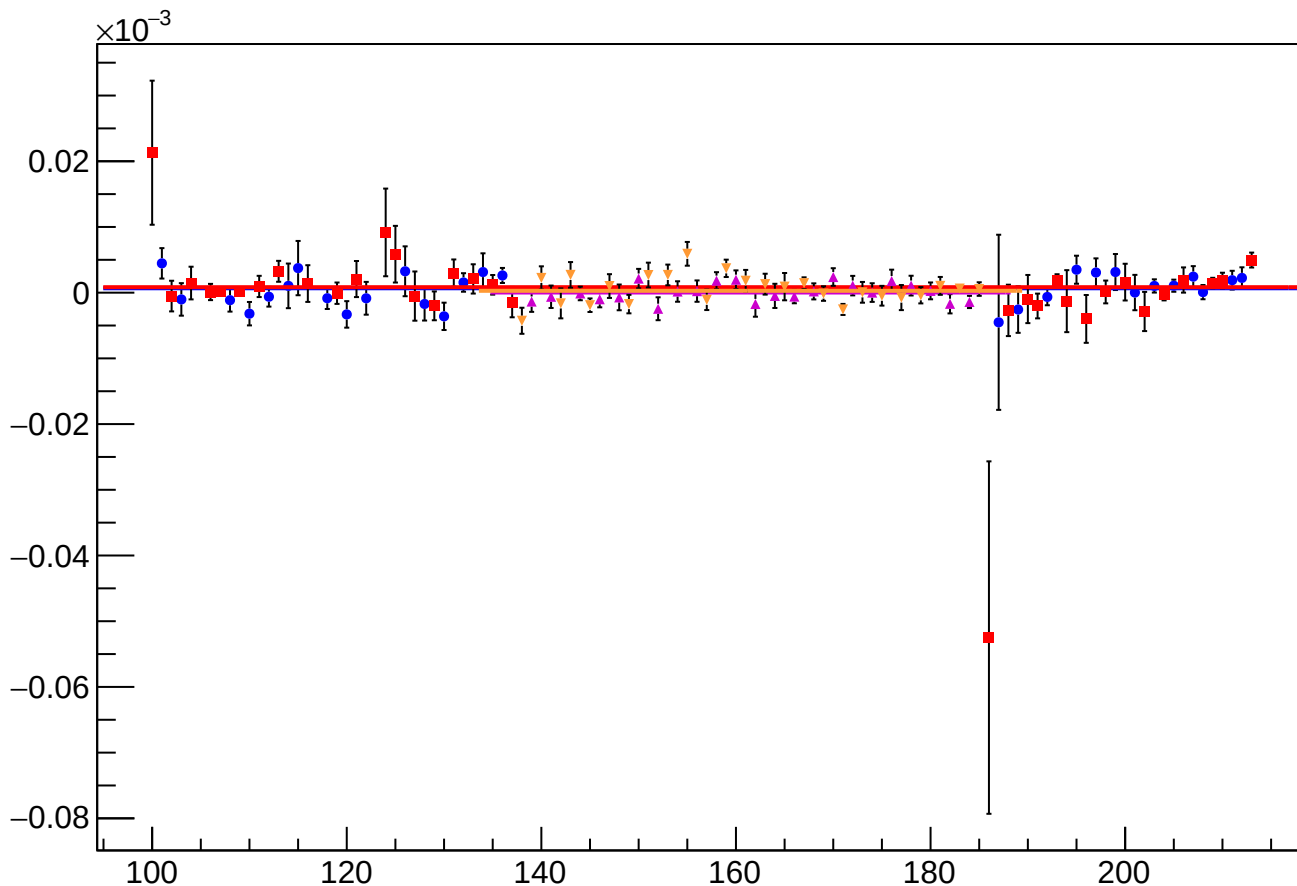
Left In: 20.591 $\pm$ 0.004 χ^2 /NDF: 4599493.5/22

+ sign 22.170 $\pm$ 0.003 χ^2 /NDF: 10059459.9/53

All: 22.379 $\pm$ 0.002 χ^2 /NDF: 19916368.9/110

- sign 22.597 $\pm$ 0.003 χ^2 /NDF: 9846417.5/56

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/33

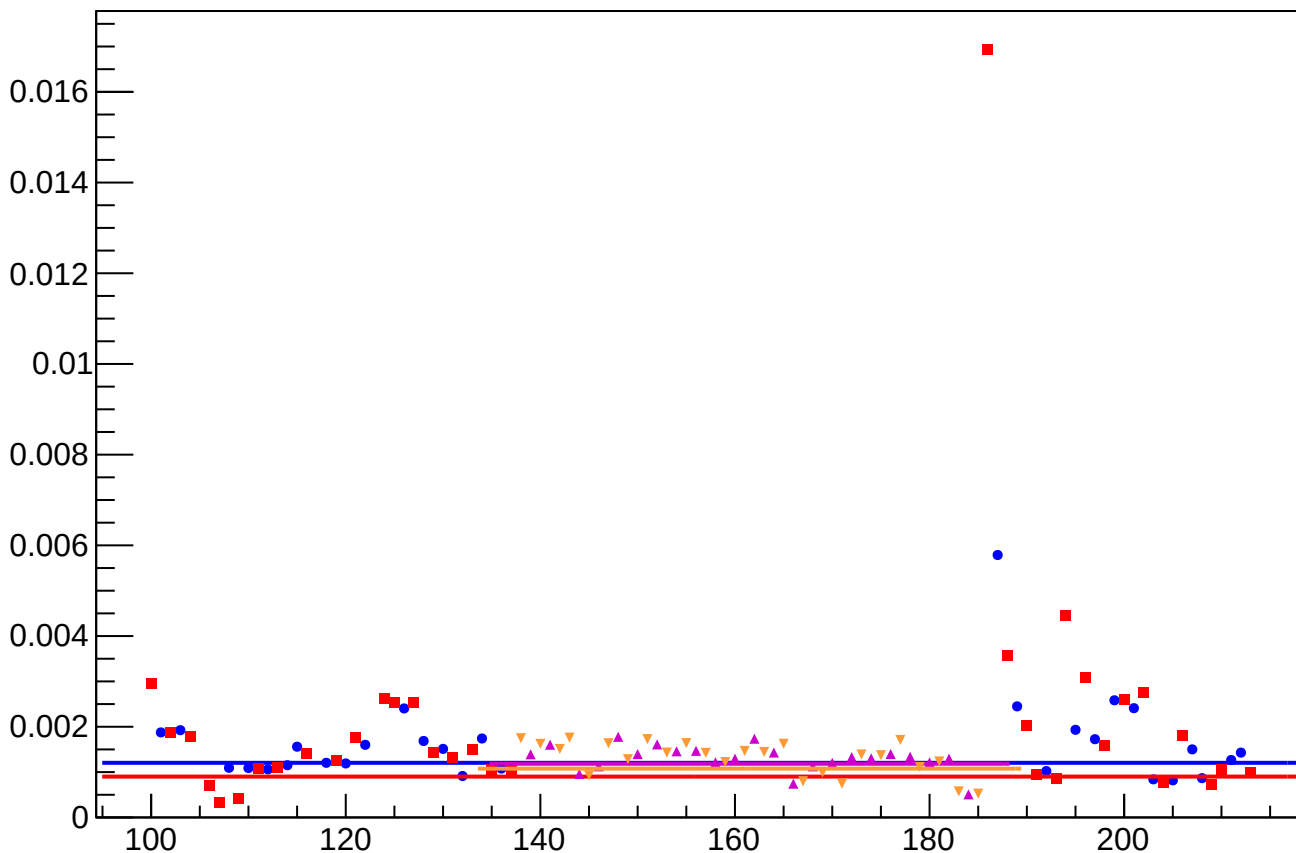
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.9/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 157.1/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 69.2/56

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3634168.7/28

Left Out: 0.001+/-0.000 χ^2/NDF : 4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 11183920.4/33

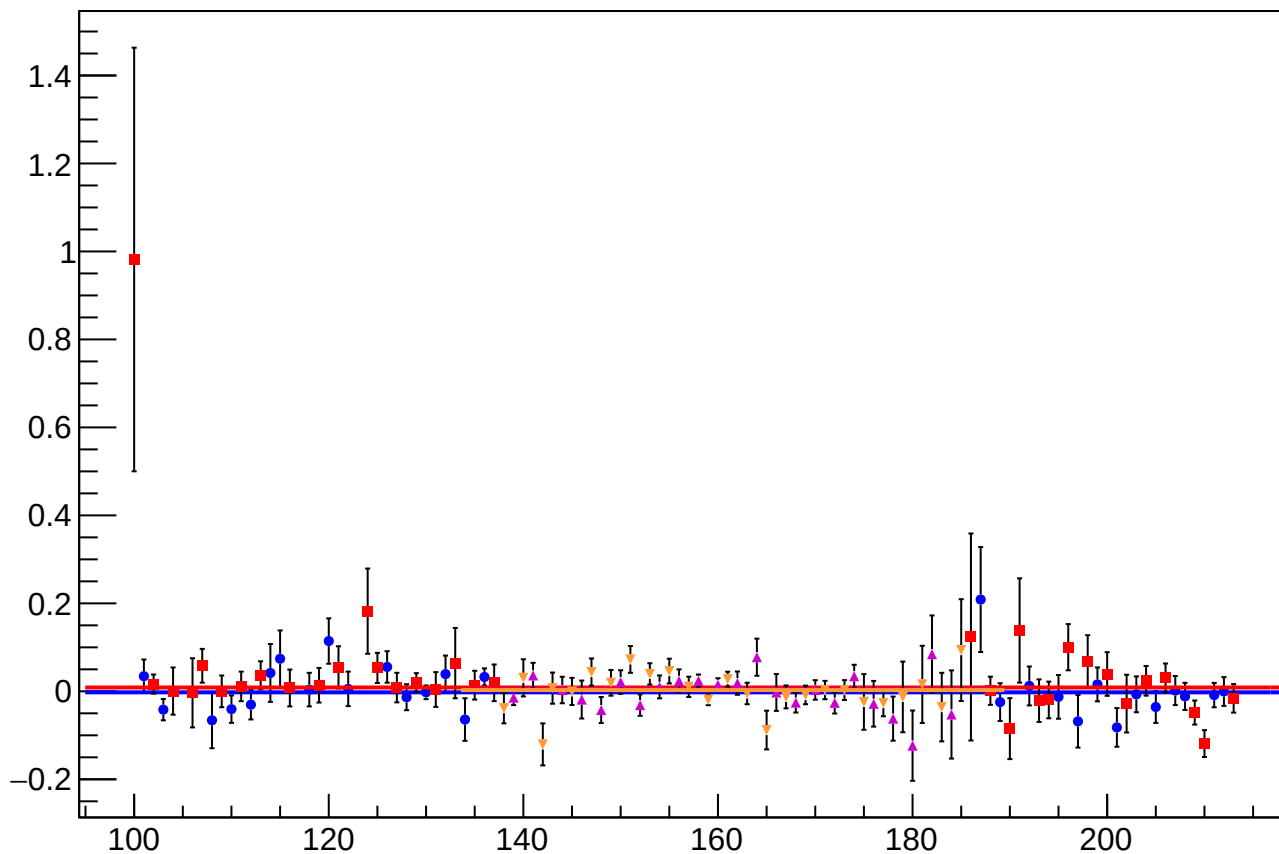
Left In: 0.001+/-0.000 χ^2/NDF : 2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF : 8373960.3/53

All: 0.001+/-0.000 χ^2/NDF : 23378938.6/110

- sign 0.001+/-0.000 χ^2/NDF : 14726296.9/56

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.006 χ^2/NDF : 31.7/28

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.009 ± 0.007 χ^2/NDF : 45.3/33

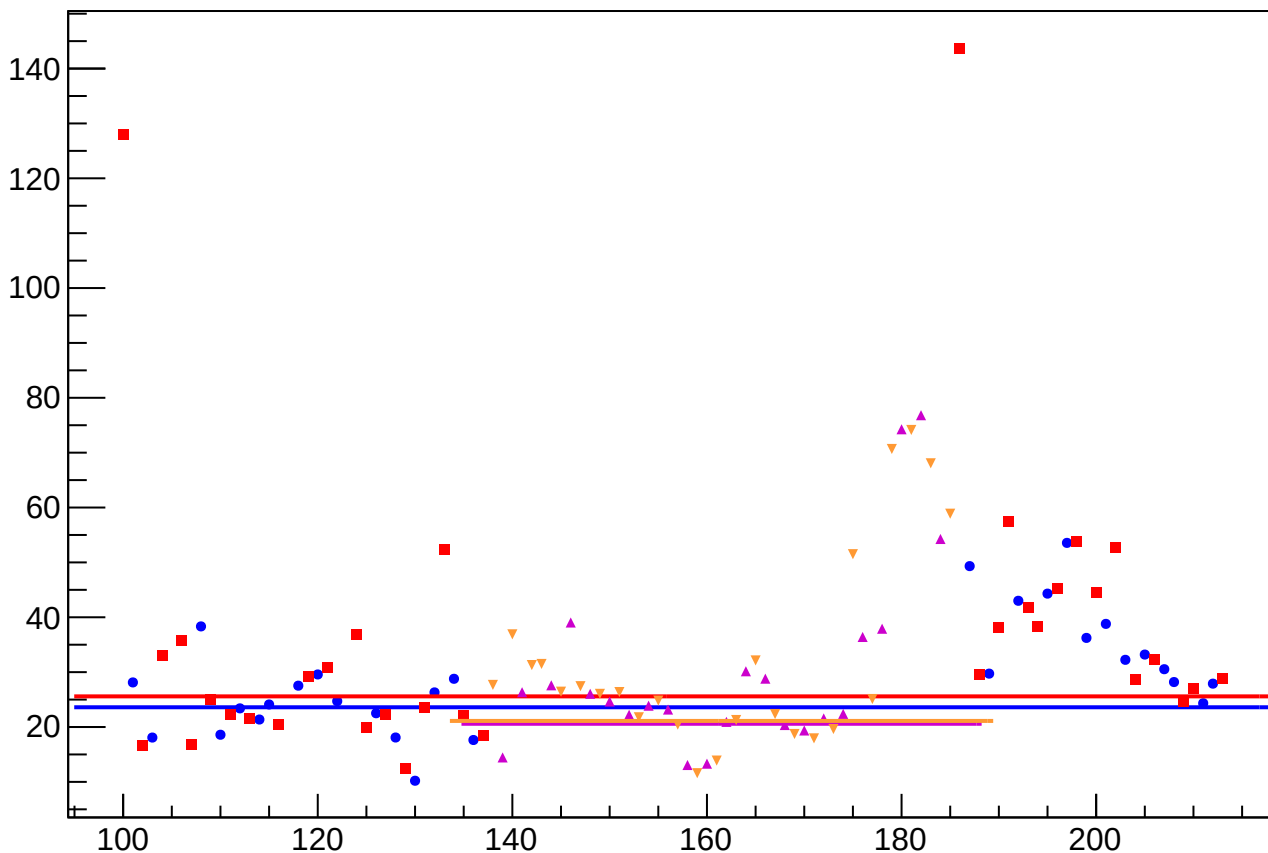
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.8/53

All: 0.003 ± 0.003 χ^2/NDF : 135.8/110

- sign 0.006 ± 0.004 χ^2/NDF : 70.2/56

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.598 $\pm$ 0.004 χ^2 /NDF: 4334977.2/28

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 25.584 $\pm$ 0.005 χ^2 /NDF: 4569027.1/33

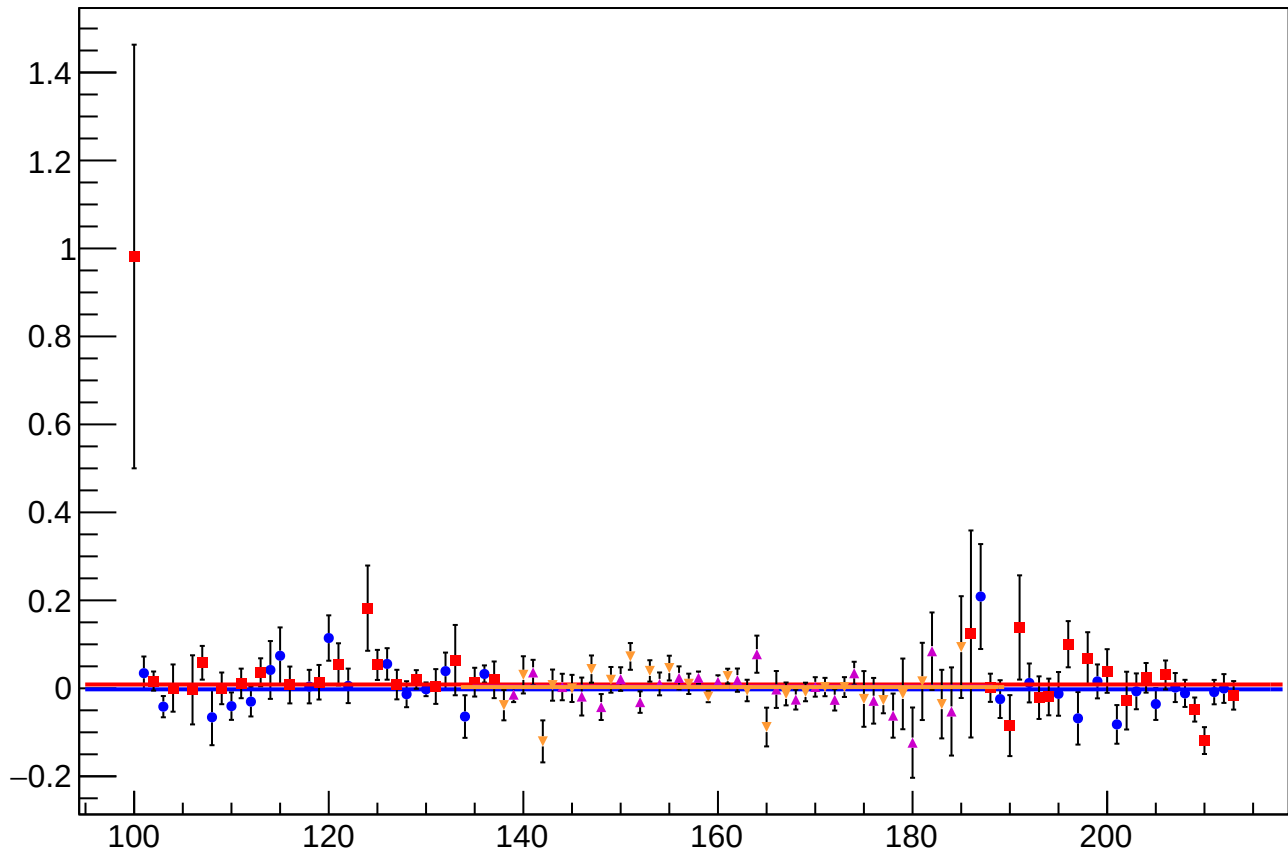
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 22.170 $\pm$ 0.003 χ^2 /NDF: 10059361.7/53

All: 22.380 $\pm$ 0.002 χ^2 /NDF: 19916202.8/110

- sign 22.597 $\pm$ 0.003 χ^2 /NDF: 9846349.3/56

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.006 χ^2/NDF : 31.7/28

Left Out: 0.003 ± 0.005 χ^2/NDF : 32.8/24

Right Out: 0.009 ± 0.007 χ^2/NDF : 45.3/33

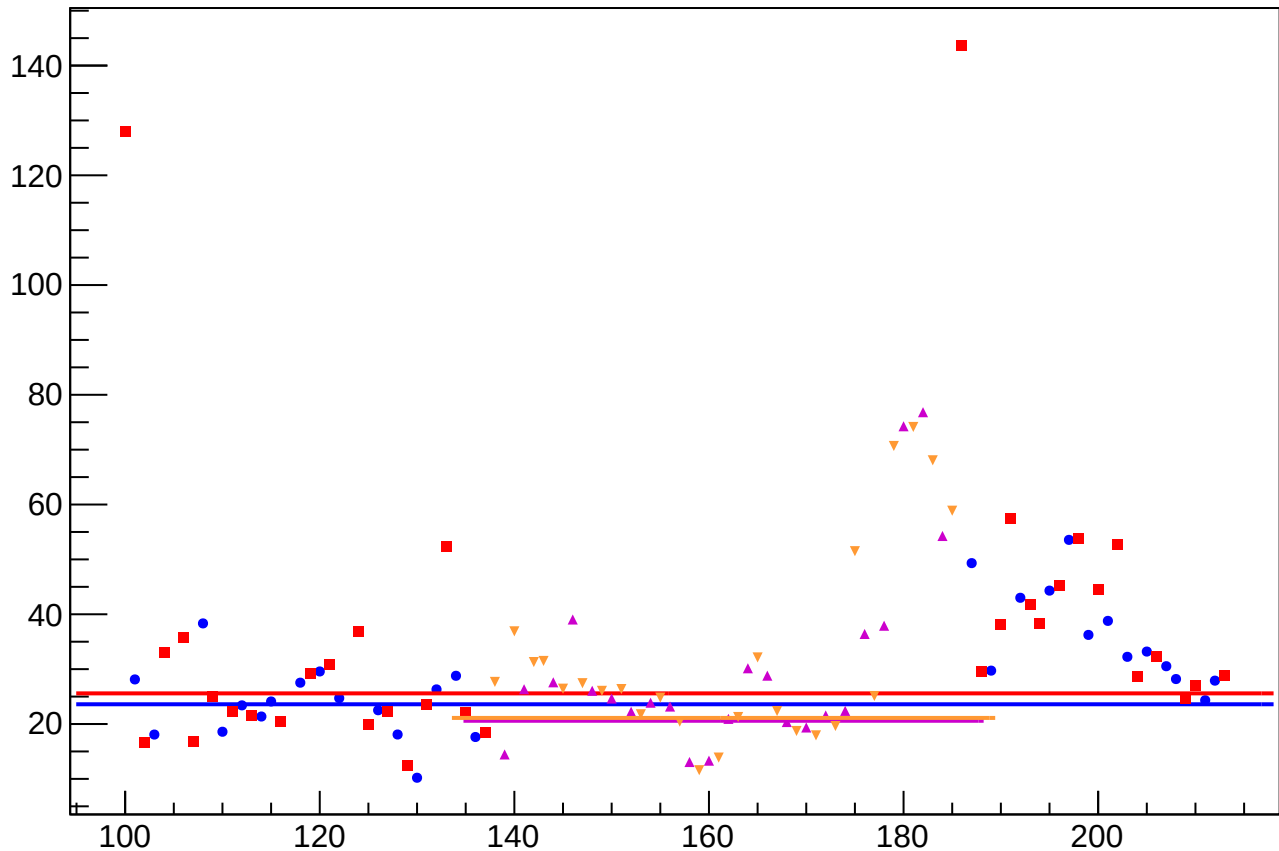
Left In: 0.004 ± 0.005 χ^2/NDF : 24.6/22

+ sign 0.001 ± 0.004 χ^2/NDF : 64.8/53

All: 0.003 ± 0.003 χ^2/NDF : 135.8/110

- sign 0.006 ± 0.004 χ^2/NDF : 70.2/56

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.598 ± 0.004 $\chi^2/\text{NDF}: 4334977.2/28$

Left Out: 21.109 ± 0.004 $\chi^2/\text{NDF}: 5546663.4/24$

Right Out: 25.584 ± 0.005 $\chi^2/\text{NDF}: 4569027.1/33$

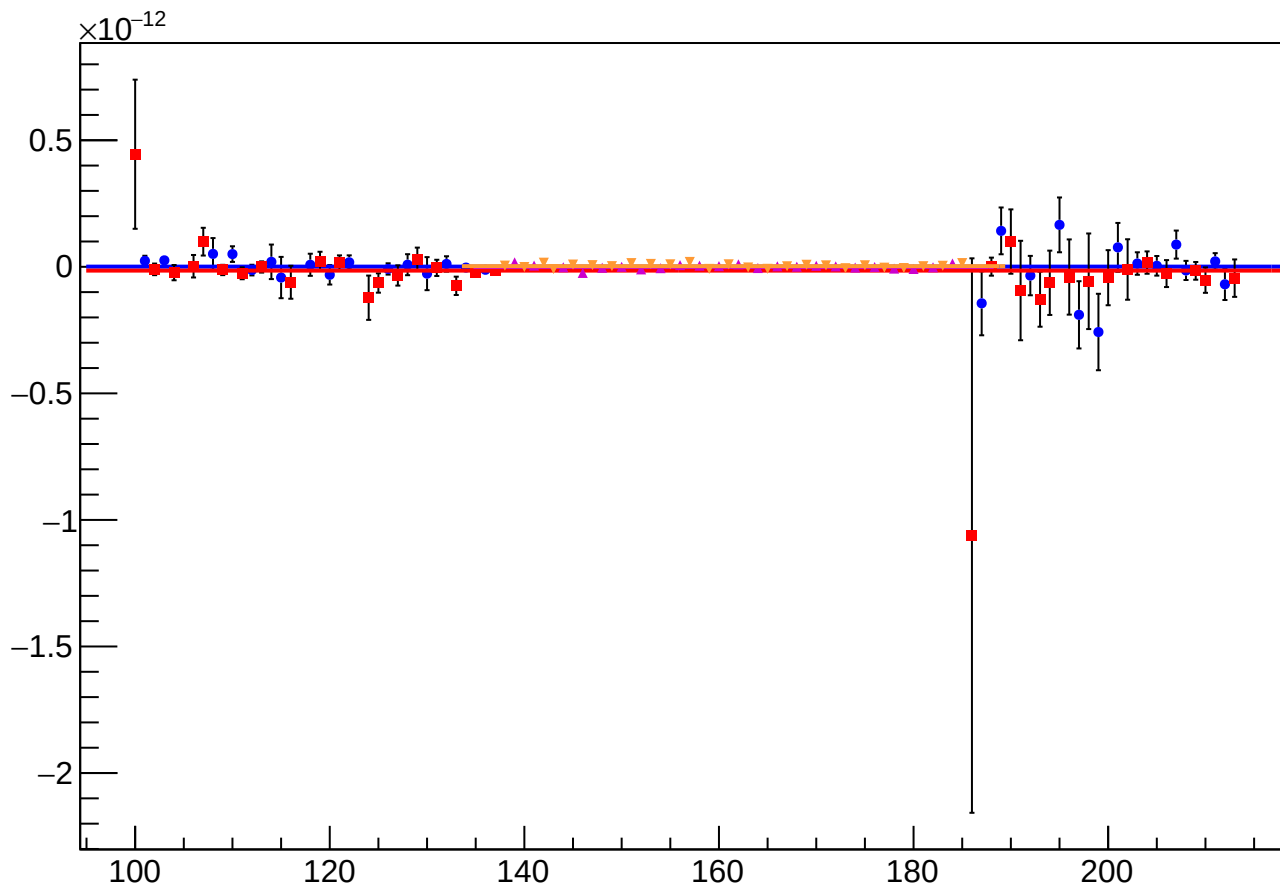
Left In: 20.592 ± 0.004 $\chi^2/\text{NDF}: 4599496.2/22$

+ sign 22.170 ± 0.003 $\chi^2/\text{NDF}: 10059361.7/53$

All: 22.380 ± 0.002 $\chi^2/\text{NDF}: 19916202.8/110$

- sign 22.597 ± 0.003 $\chi^2/\text{NDF}: 9846349.3/56$

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/33

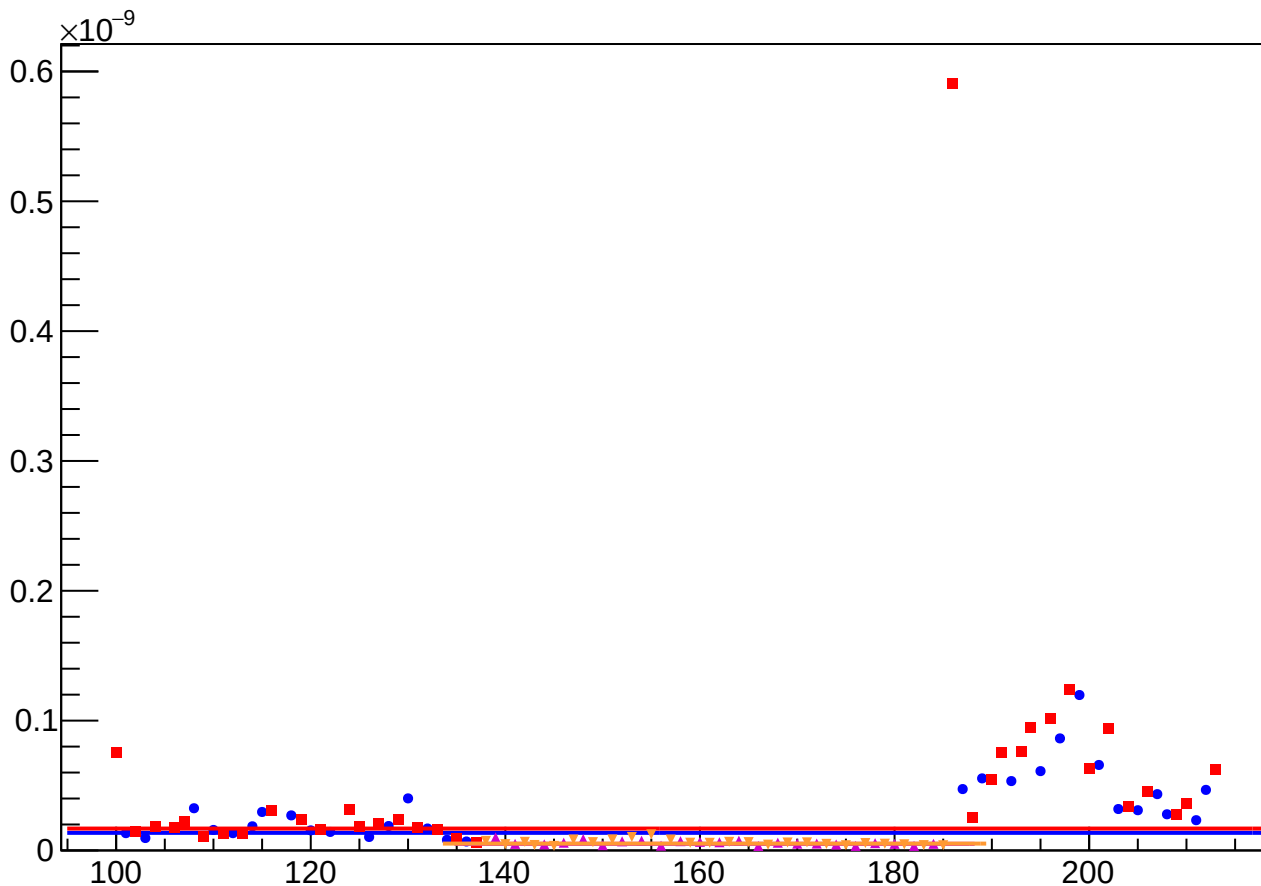
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:21.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.4/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 100.1/110

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.9/56

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8346817.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8898439.5/33

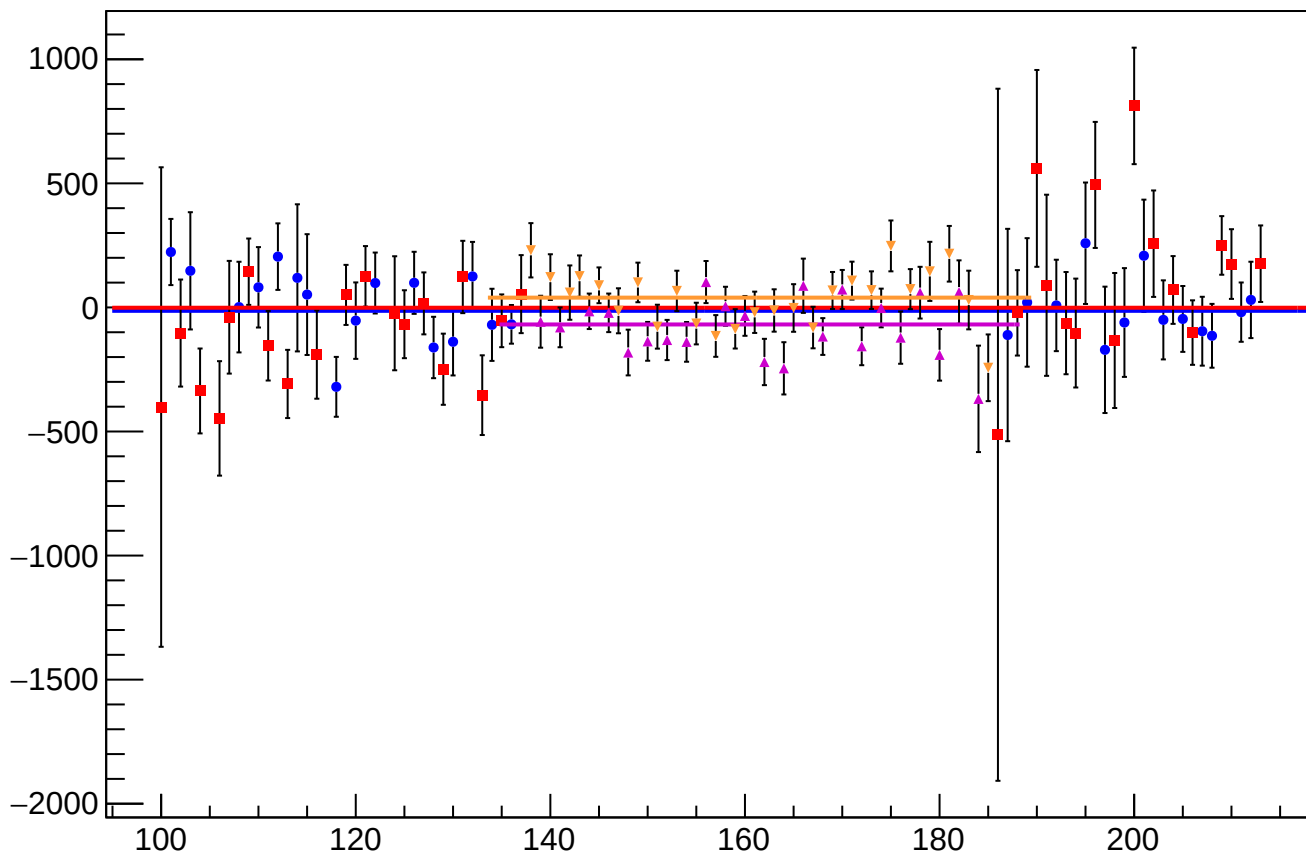
Left In: 0.000+/-0.000 χ^2/NDF : 1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 14958800.7/53

All: 0.000+/-0.000 χ^2/NDF : 32587439.6/110

- sign 0.000+/-0.000 χ^2/NDF : 17621549.8/56

reg_asym_sam_2468_avg_mean vs Slug



Right In: -13.686 ± 27.801 χ^2/NDF : 22.8/28

Left Out: 39.477 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -1.220 ± 28.167 χ^2/NDF : 55.2/33

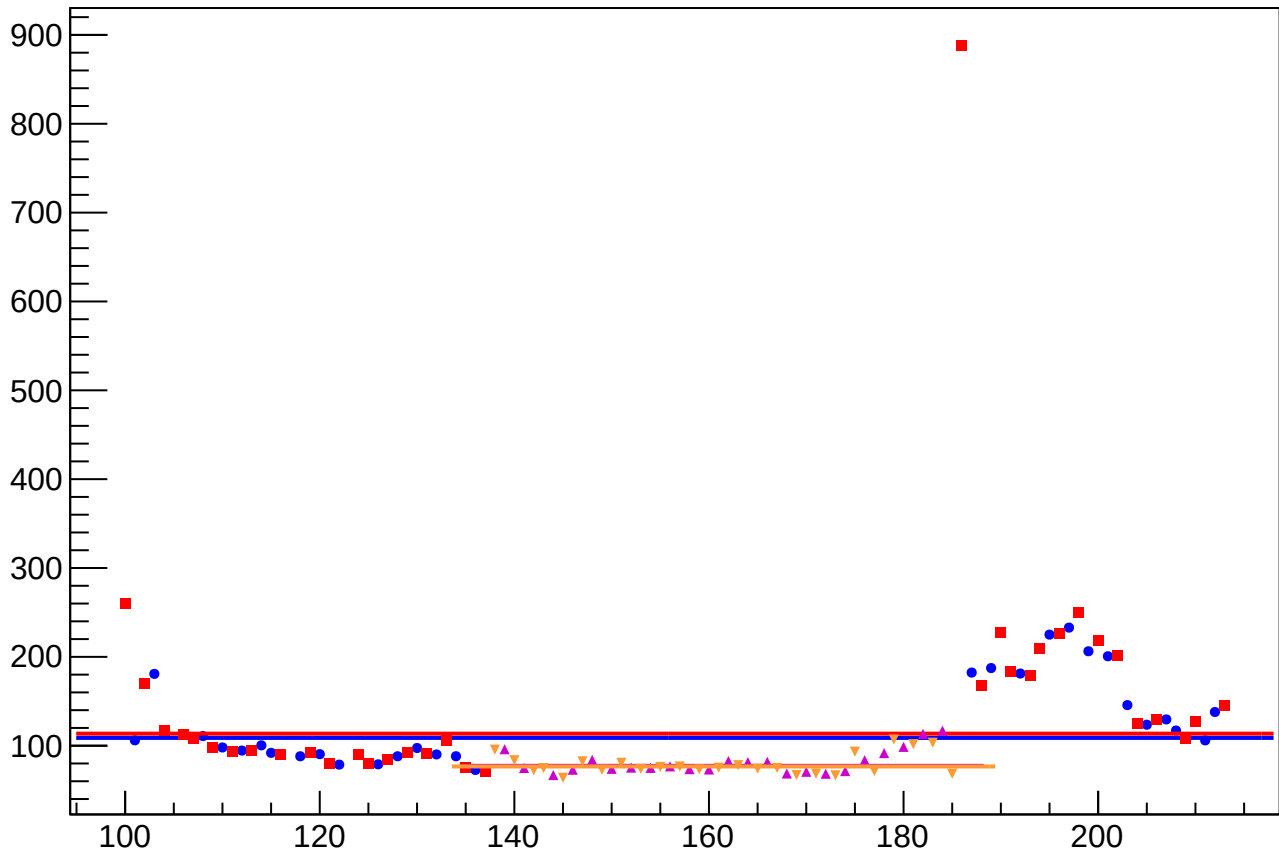
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 24.185 ± 14.910 χ^2/NDF : 57.4/53

All: -11.131 ± 10.697 χ^2/NDF : 157.2/110

- sign -48.588 ± 15.356 χ^2/NDF : 88.2/56

reg_asym_sam_2468_avg_rms vs Slug



Right In: 108.780 $\pm$ 0.020 χ^2 /NDF: 3588734.7/28

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.6/24

Right Out: 113.577 $\pm$ 0.020 χ^2 /NDF: 4722184.0/33

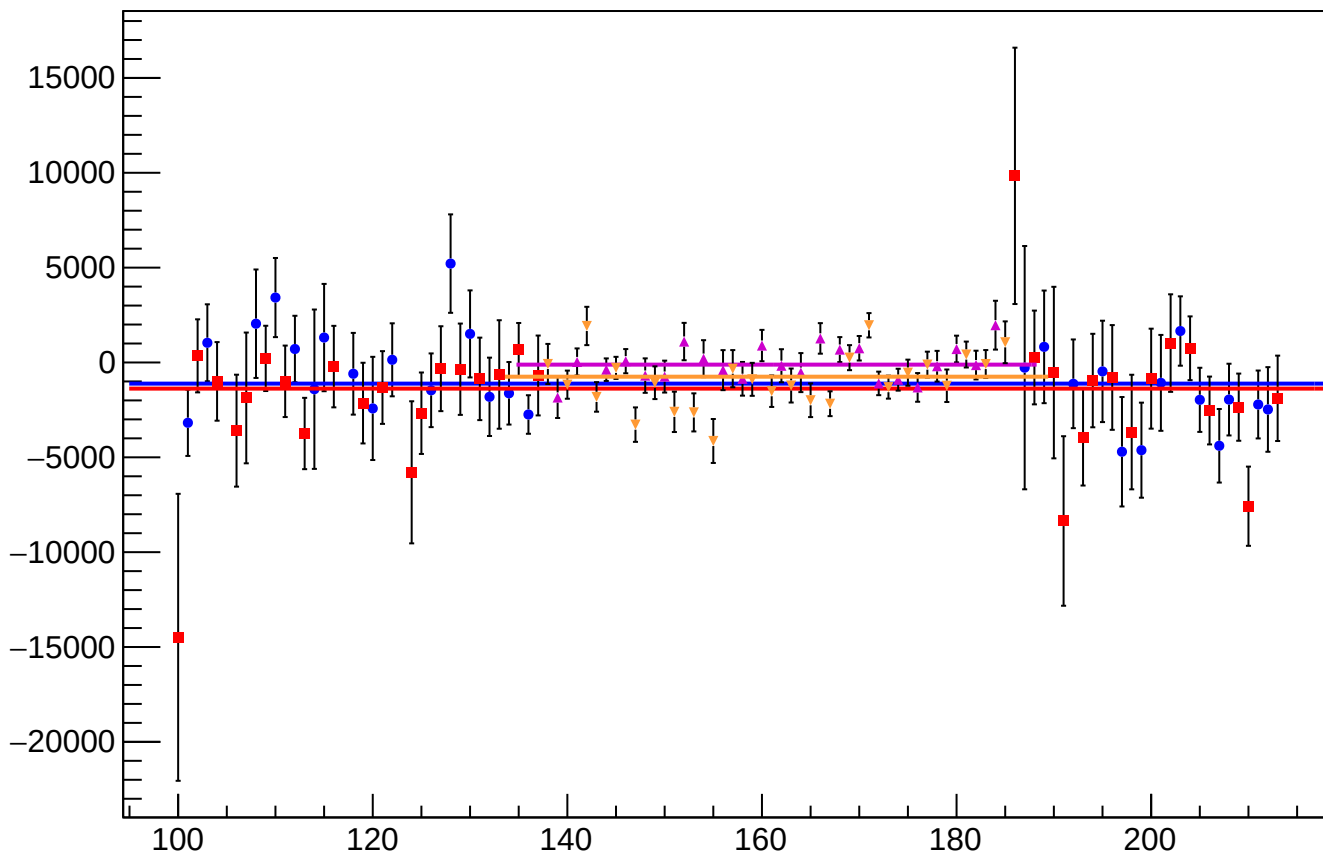
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 85.890 $\pm$ 0.011 χ^2 /NDF: 6146727.8/53

All: 86.970 $\pm$ 0.008 χ^2 /NDF: 13806304.4/110

- sign 88.116 $\pm$ 0.011 χ^2 /NDF: 7637940.6/56

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -1114.830+/-382.639 χ^2/NDF : 31.4/28

Left Out: -749.641+/-158.081 χ^2/NDF : 70.0/24

Right Out: -1377.669+/-388.950 χ^2/NDF : 31.3/33

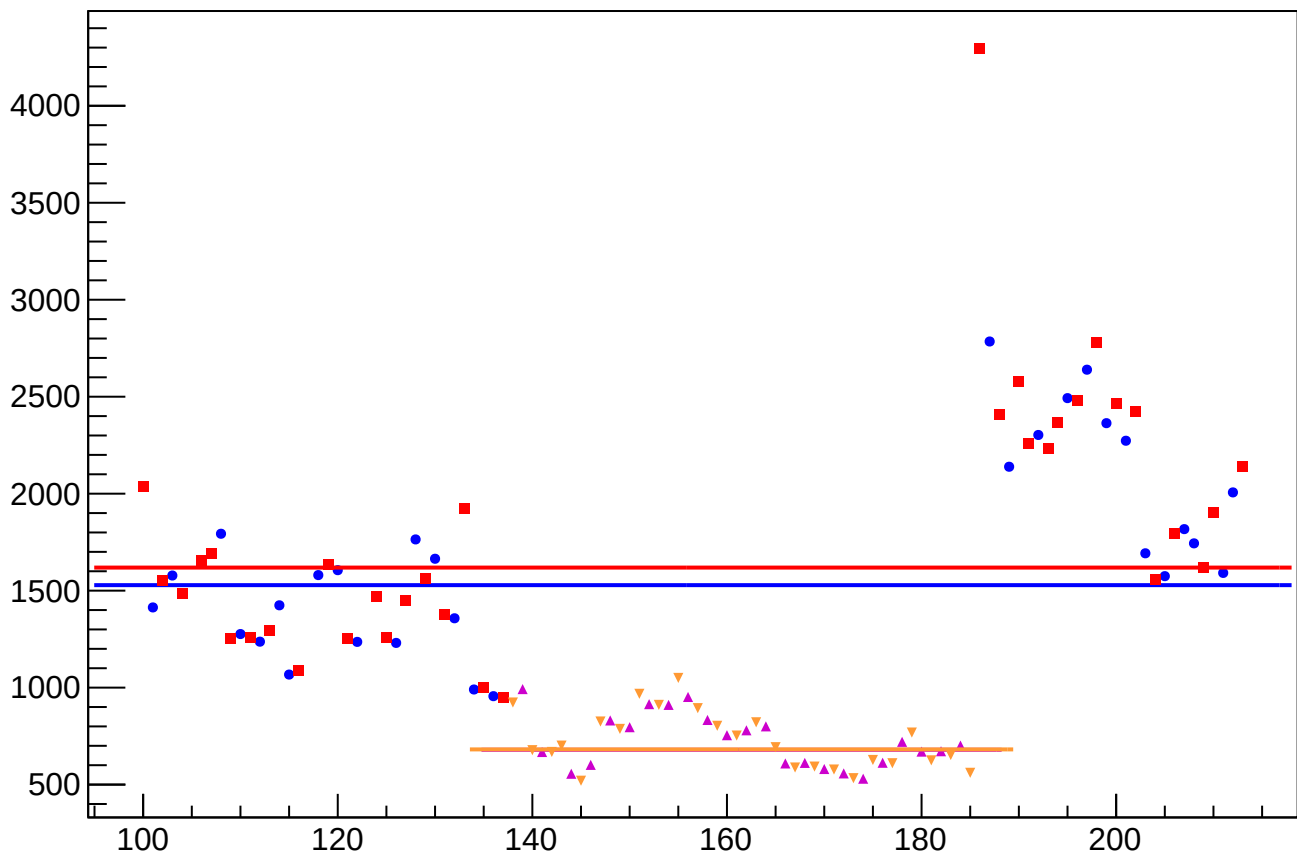
Left In: -113.799+/-161.809 χ^2/NDF : 25.1/22

+ sign -802.884+/-146.104 χ^2/NDF : 102.2/53

All: -557.175+/-104.456 χ^2/NDF : 173.3/110

- sign -300.264+/-149.397 χ^2/NDF : 65.3/56

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1528.390 $\pm$ 0.271 χ^2 /NDF: 2663113.5/28

Left Out: 681.427 $\pm$ 0.112 χ^2 /NDF: 1334213.4/24

Right Out: 1618.944 $\pm$ 0.275 χ^2 /NDF: 3152239.7/33

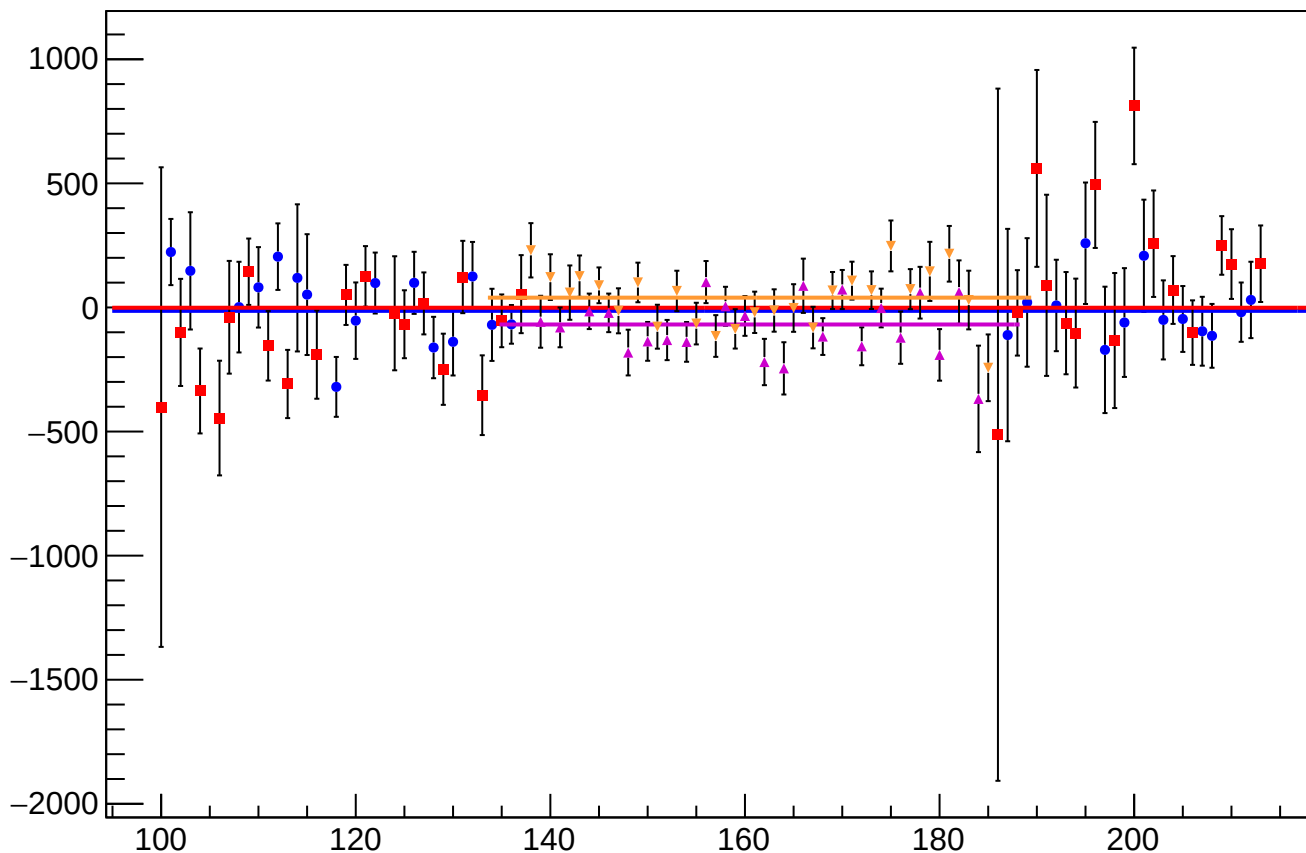
Left In: 679.413 $\pm$ 0.114 χ^2 /NDF: 1185267.0/22

+ sign 804.910 $\pm$ 0.103 χ^2 /NDF: 12367670.3/53

All: 811.322 $\pm$ 0.074 χ^2 /NDF: 26661162.5/11

- sign 818.027 $\pm$ 0.106 χ^2 /NDF: 14285611.5/56

cor_asym_sam_2468_avg_mean vs Slug



Right In: -13.695 $\pm$ 27.801 χ^2 /NDF: 22.8/28

Left Out: 39.484 $\pm$ 17.666 χ^2 /NDF: 31.9/24

Right Out: -1.126 $\pm$ 28.168 χ^2 /NDF: 55.2/33

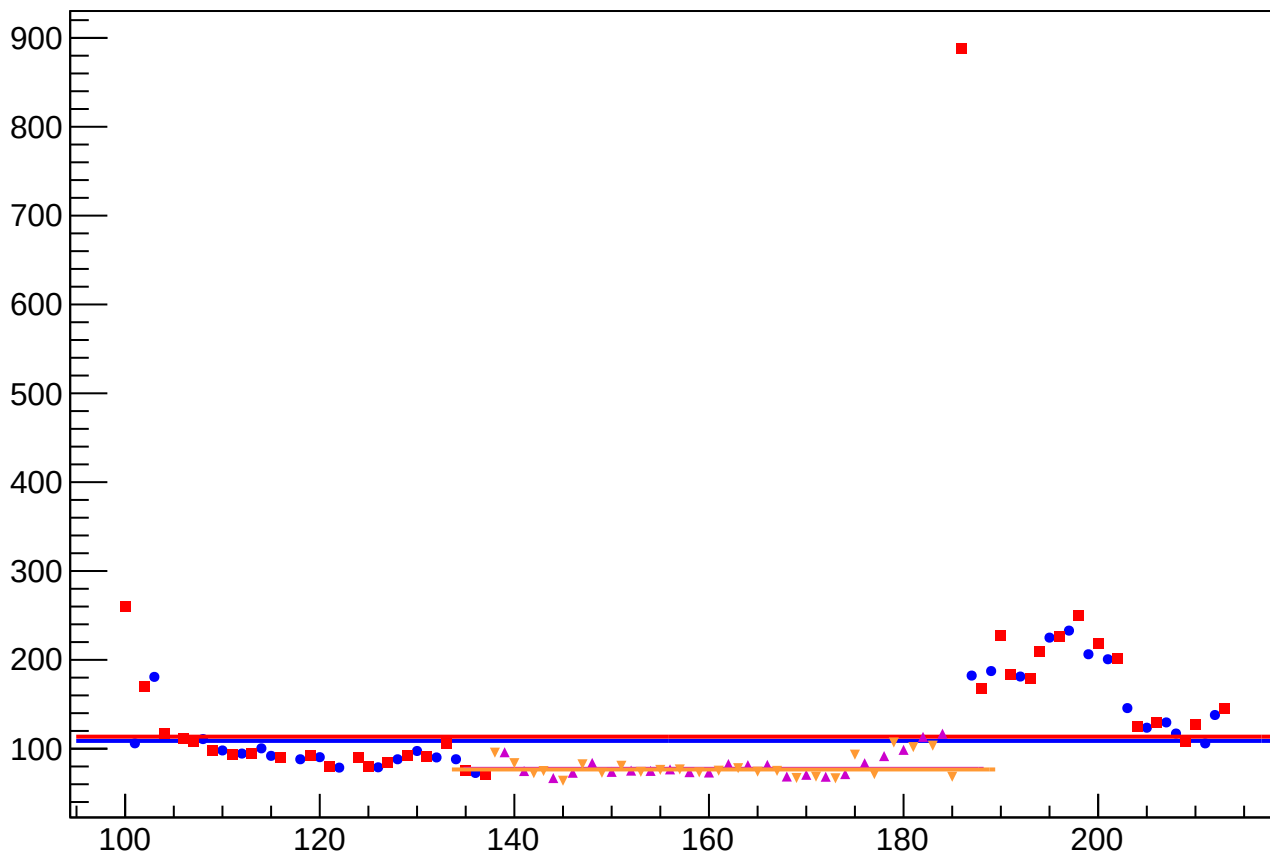
Left In: -68.620 $\pm$ 18.317 χ^2 /NDF: 29.0/22

+ sign 24.187 $\pm$ 14.910 χ^2 /NDF: 57.4/53

All: -11.116 $\pm$ 10.697 χ^2 /NDF: 157.1/110

- sign -48.561 $\pm$ 15.356 χ^2 /NDF: 88.2/56

cor_asym_sam_2468_avg_rms vs Slug



Right In: 108.780 $\pm$ 0.020 χ^2 /NDF: 3588738.3/28

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 113.558 $\pm$ 0.020 χ^2 /NDF: 4722573.9/33

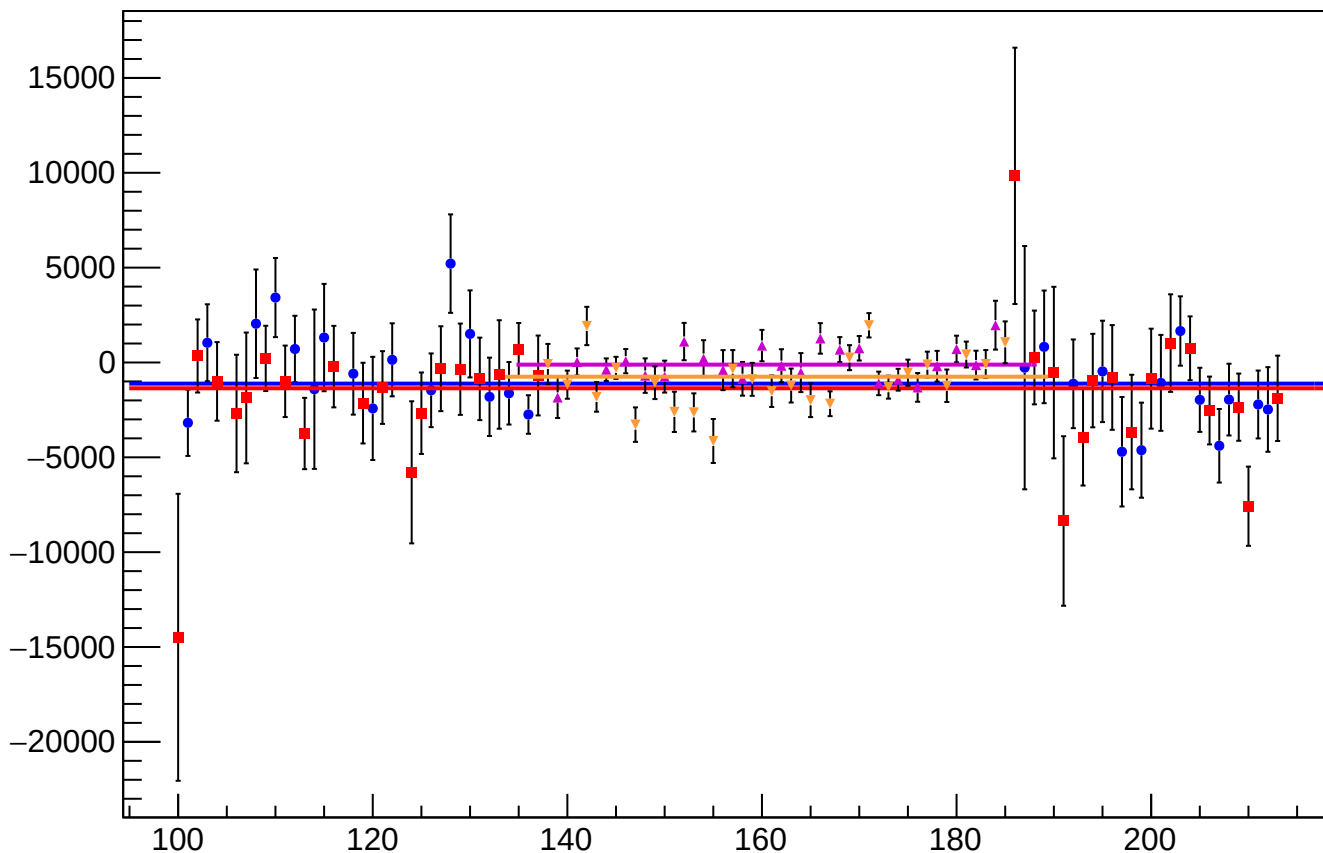
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 85.890 $\pm$ 0.011 χ^2 /NDF: 6146731.4/53

All: 86.967 $\pm$ 0.008 χ^2 /NDF: 13803996.5/110

- sign 88.110 $\pm$ 0.011 χ^2 /NDF: 7635750.5/56

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -1114.810 $\pm$ 382.640 χ^2 /NDF: 31.4/28

Left Out: -749.632 $\pm$ 158.081 χ^2 /NDF: 70.0/24

Right Out: -1360.187 $\pm$ 389.271 χ^2 /NDF: 30.9/33

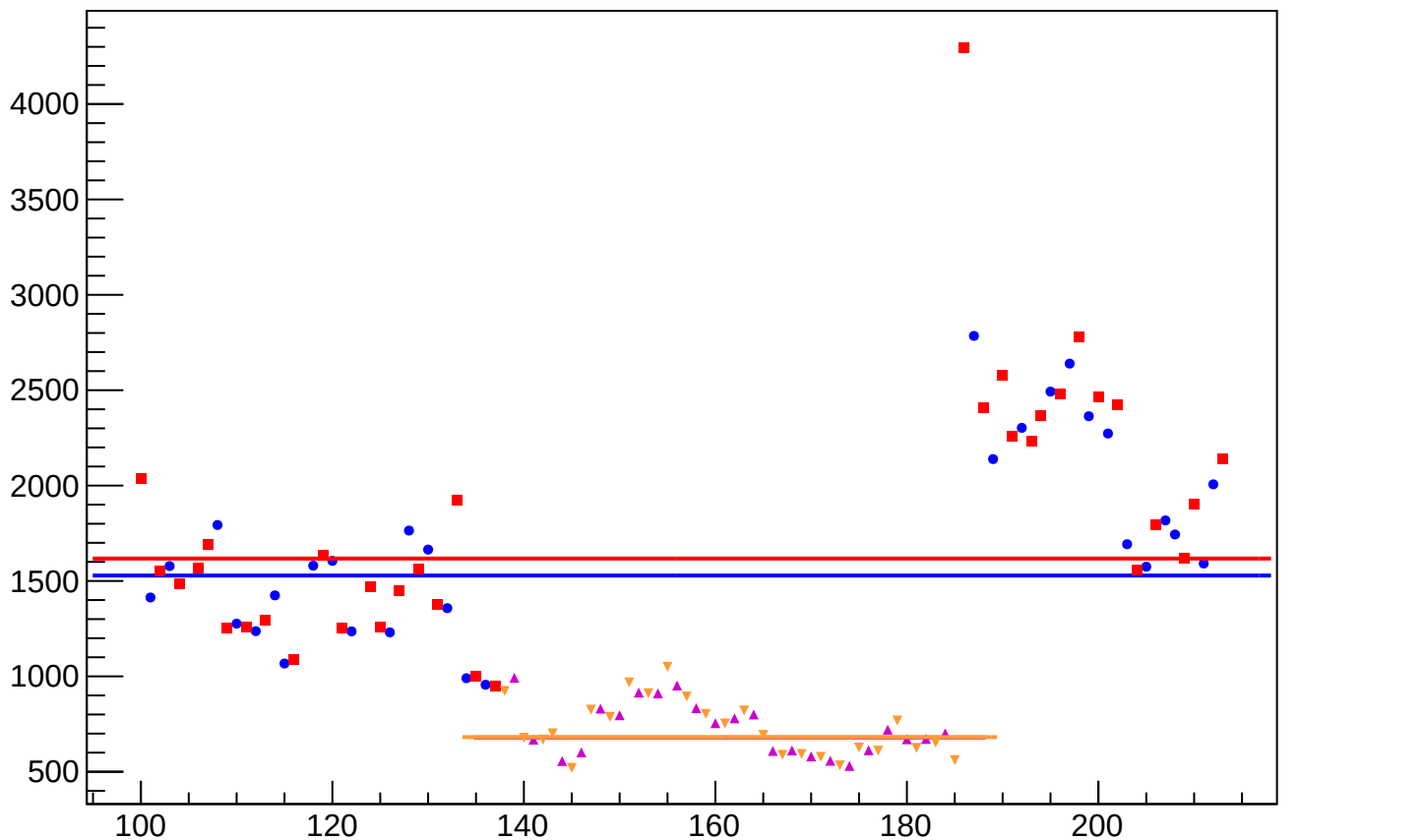
Left In: -113.799 $\pm$ 161.809 χ^2 /NDF: 25.1/22

+ sign -802.873 $\pm$ 146.104 χ^2 /NDF: 102.2/53

All: -555.813 $\pm$ 104.462 χ^2 /NDF: 172.7/110

- sign -297.427 $\pm$ 149.415 χ^2 /NDF: 64.7/56

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1528.394 $\pm$ 0.271 χ^2 /NDF: 2663124.0/28

Left Out: 681.426 $\pm$ 0.112 χ^2 /NDF:1334214.9/24

Right Out: 1617.566 $\pm$ 0.275 χ^2 /NDF: 3152364.2/33

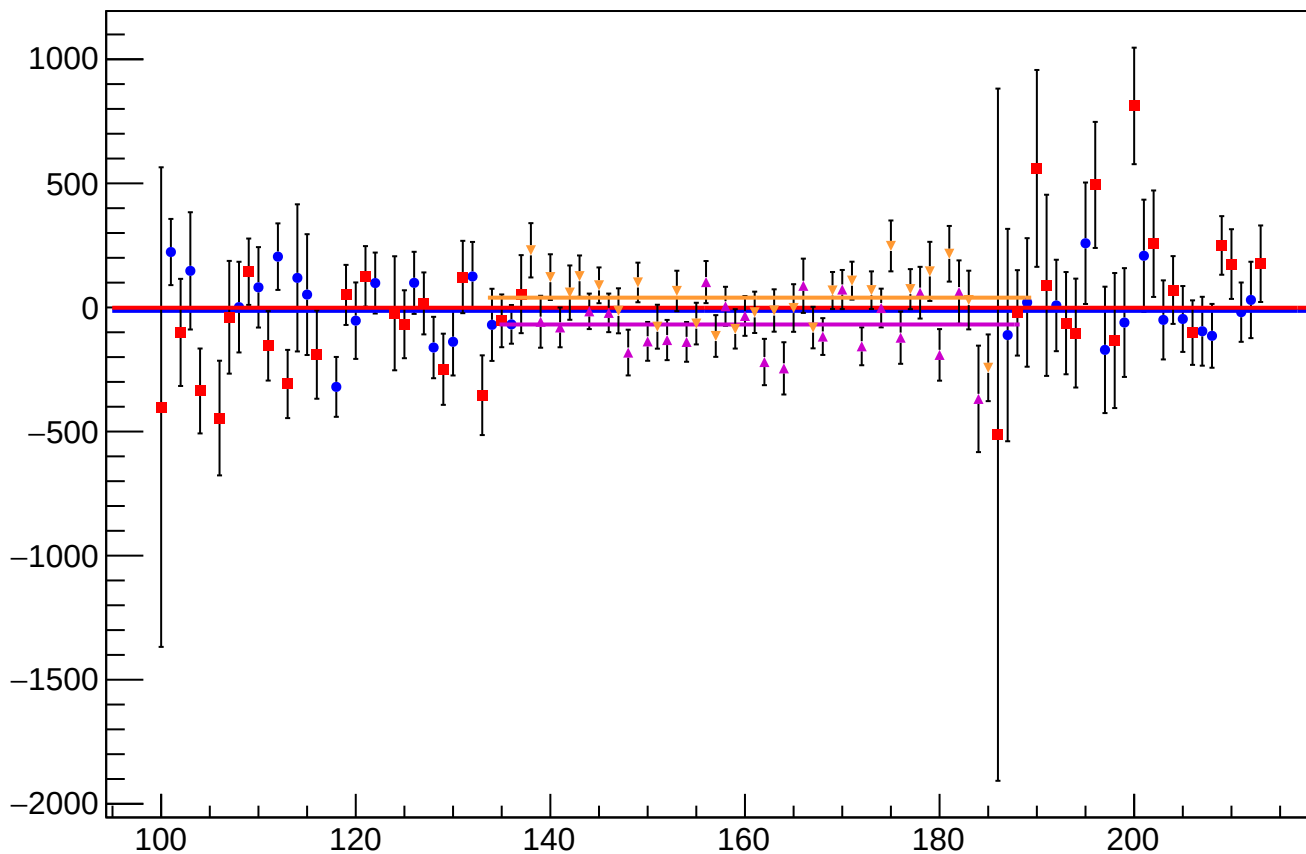
Left In: 679.414 $\pm$ 0.114 χ^2 /NDF:1185265.0/22

+ sign 804.909 $\pm$ 0.103 χ^2 /NDF: 12367718.1/53

All: 811.127 $\pm$ 0.074 χ^2 /NDF: 26617749.3/11

- sign 817.629 $\pm$ 0.106 χ^2 /NDF: 14242621.7/56

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -13.695 ± 27.801 χ^2/NDF : 22.8/28

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -1.126 ± 28.168 χ^2/NDF : 55.2/33

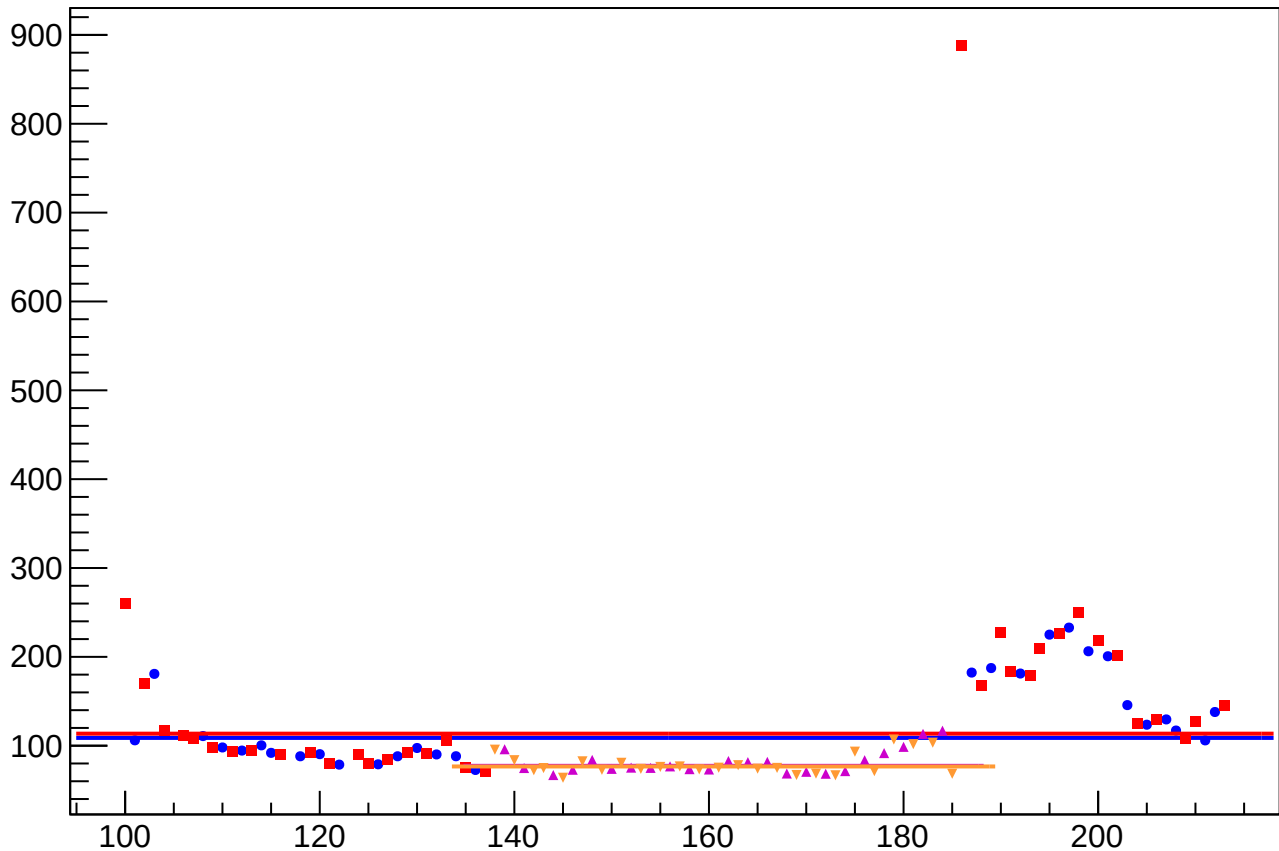
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 24.187 ± 14.910 χ^2/NDF : 57.4/53

All: -11.116 ± 10.697 χ^2/NDF : 157.1/110

- sign -48.561 ± 15.356 χ^2/NDF : 88.2/56

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 108.780 $\pm$ 0.020 χ^2 /NDF: 3588738.3/28

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 113.558 $\pm$ 0.020 χ^2 /NDF: 4722573.9/33

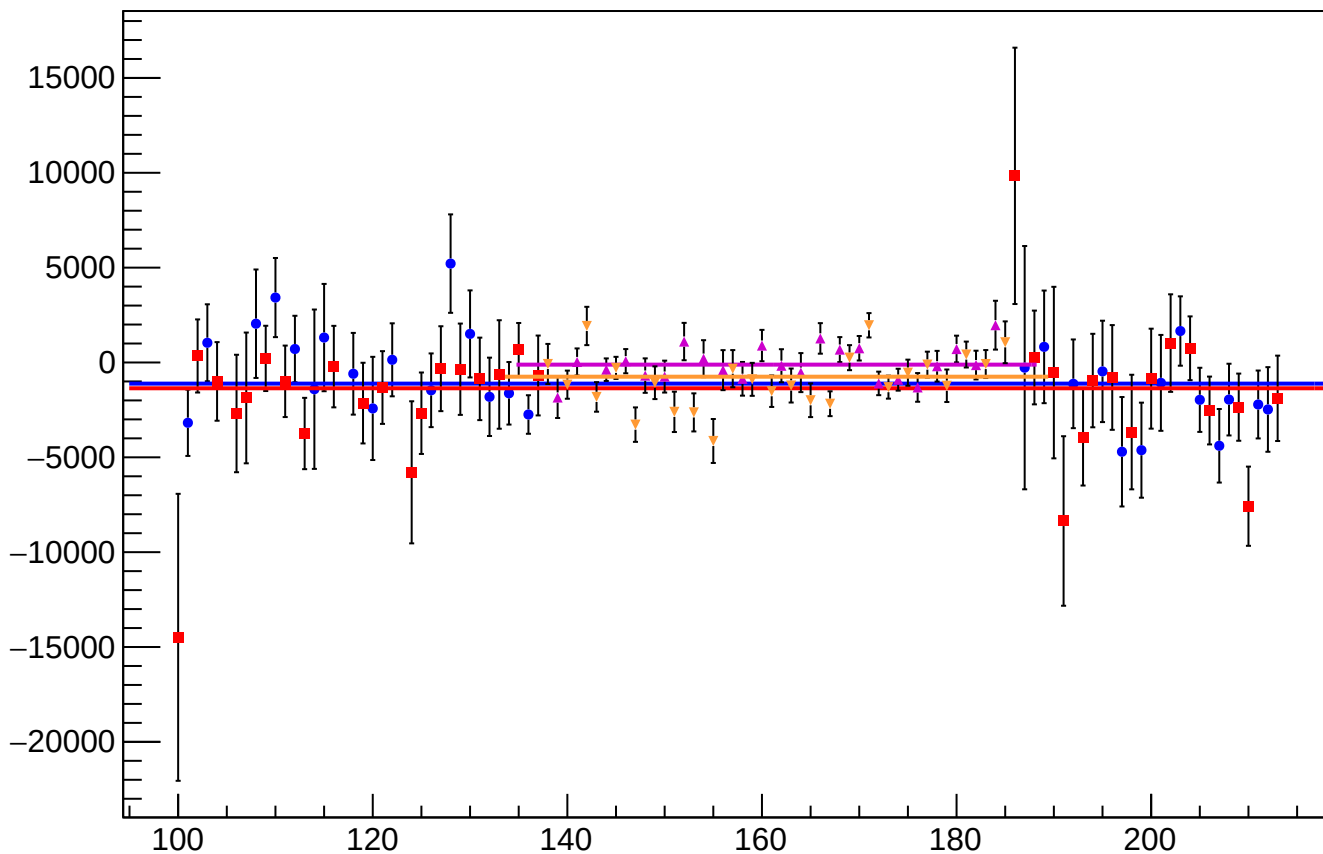
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 85.890 $\pm$ 0.011 χ^2 /NDF: 6146731.4/53

All: 86.967 $\pm$ 0.008 χ^2 /NDF: 13803996.5/110

- sign 88.110 $\pm$ 0.011 χ^2 /NDF: 7635750.5/56

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -1114.810+/-382.640 χ^2/NDF : 31.4/28

Left Out: -749.632+/-158.081 χ^2/NDF : 70.0/24

Right Out: -1360.187+/-389.271 χ^2/NDF : 30.9/33

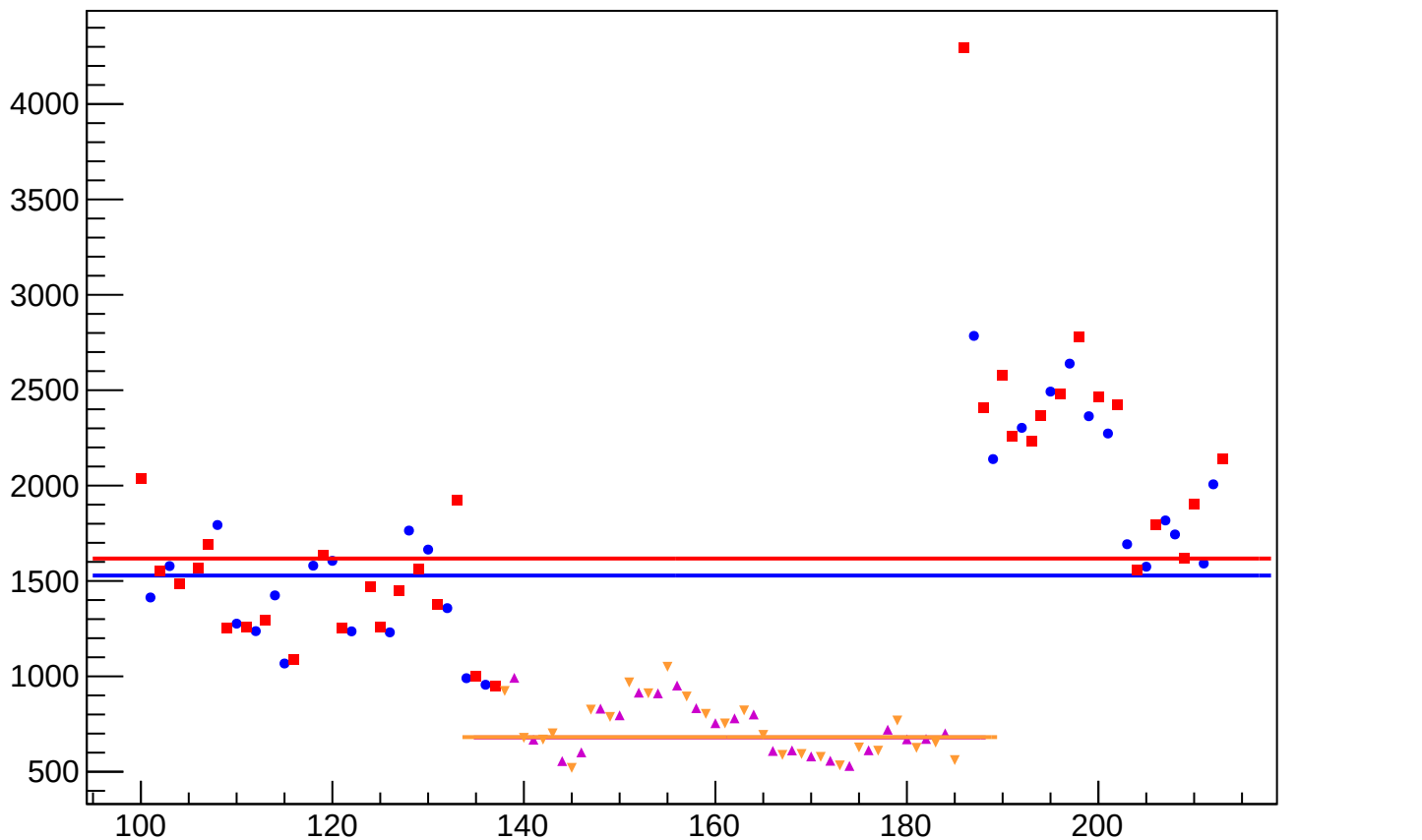
Left In: -113.799+/-161.809 χ^2/NDF : 25.1/22

+ sign -802.873+/-146.104 χ^2/NDF : 102.2/53

All: -555.813+/-104.462 χ^2/NDF : 172.7/110

- sign -297.427+/-149.415 χ^2/NDF : 64.7/56

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1528.394 $\pm$ 0.271 χ^2 /NDF: 2663124.0/28

Left Out: 681.426 $\pm$ 0.112 χ^2 /NDF: 1334214.9/24

+ sign 804.909 $\pm$ 0.103 χ^2 /NDF: 12367718.1/53

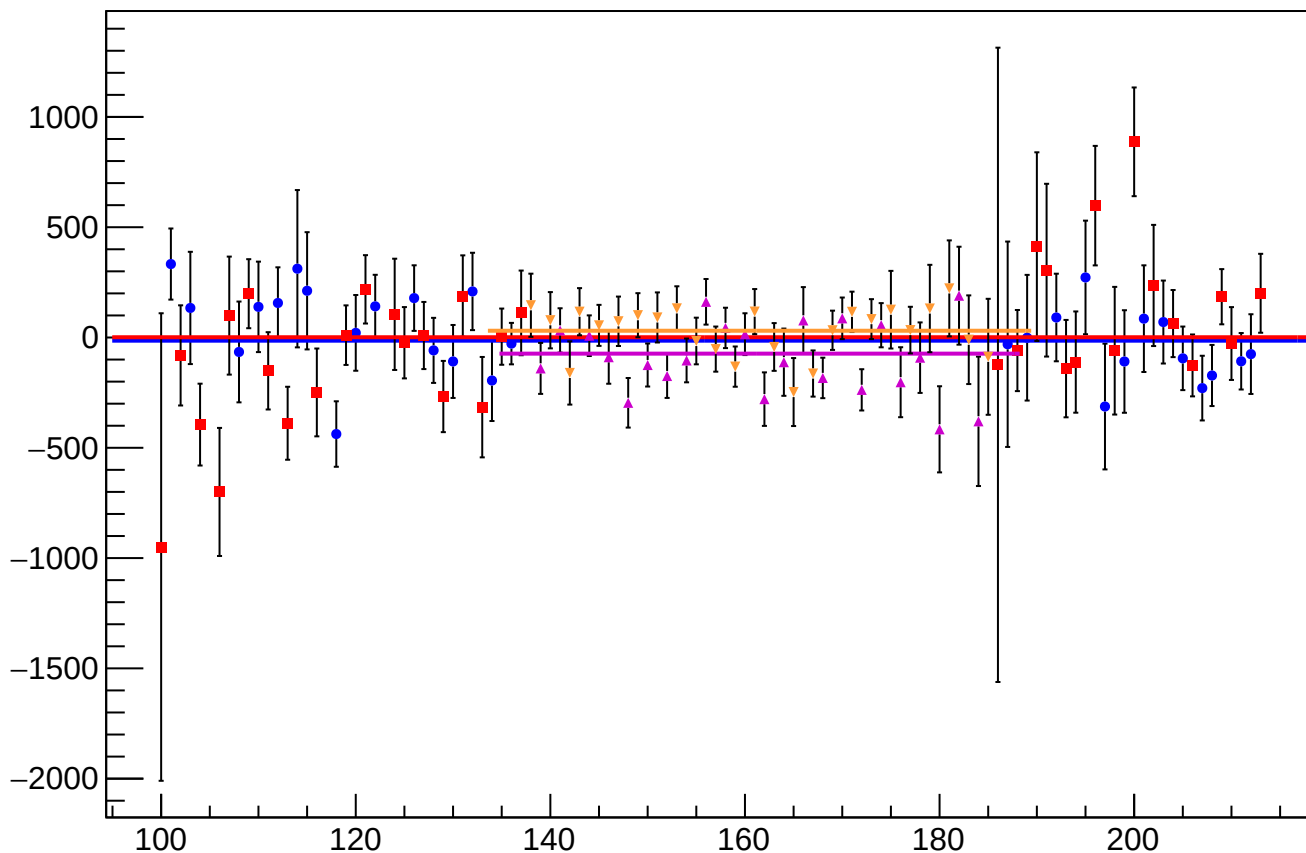
Right Out: 1617.566 $\pm$ 0.275 χ^2 /NDF: 3152364.2/33

All: 811.127 $\pm$ 0.074 χ^2 /NDF: 26617749.3/1

Left In: 679.414 $\pm$ 0.114 χ^2 /NDF: 1185265.0/22

- sign 817.629 $\pm$ 0.106 χ^2 /NDF: 14242621.7/56

dit_asym_sam_2468_avg_mean vs Slug



Right In: -14.346 ± 32.266 χ^2/NDF : 29.9/28

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: 1.167 ± 32.573 χ^2/NDF : 54.4/33

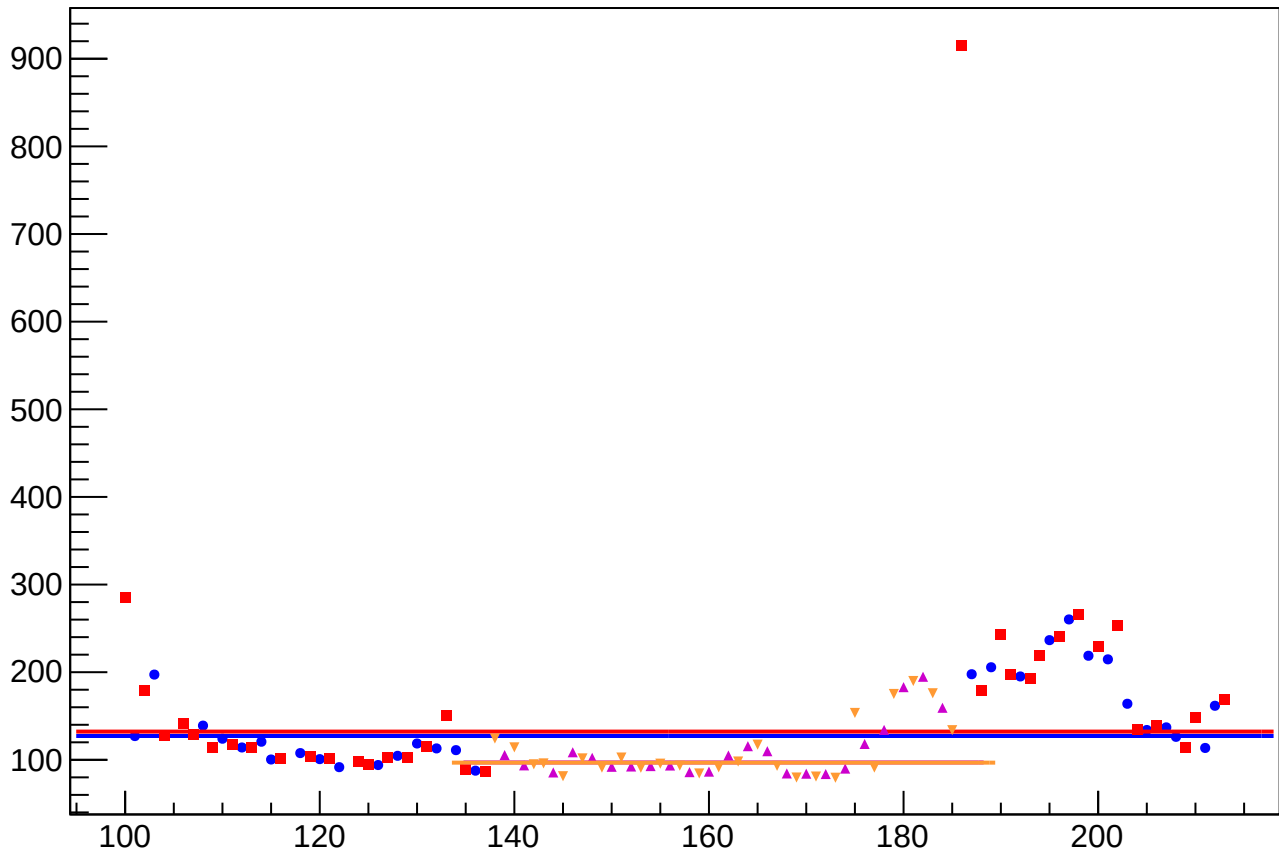
Left In: -73.147 ± 23.510 χ^2/NDF : 34.5/22

+ sign 15.639 ± 18.651 χ^2/NDF : 51.1/53

All: -15.334 ± 13.332 χ^2/NDF : 149.1/110

- sign -47.693 ± 19.063 χ^2/NDF : 92.4/56

dit_asym_sam_2468_avg_rms vs Slug



Right In: 127.208 $\pm$ 0.023 χ^2 /NDF: 2917646.1/28

Left Out: 96.794 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 132.232 $\pm$ 0.023 χ^2 /NDF: 4018679.7/33

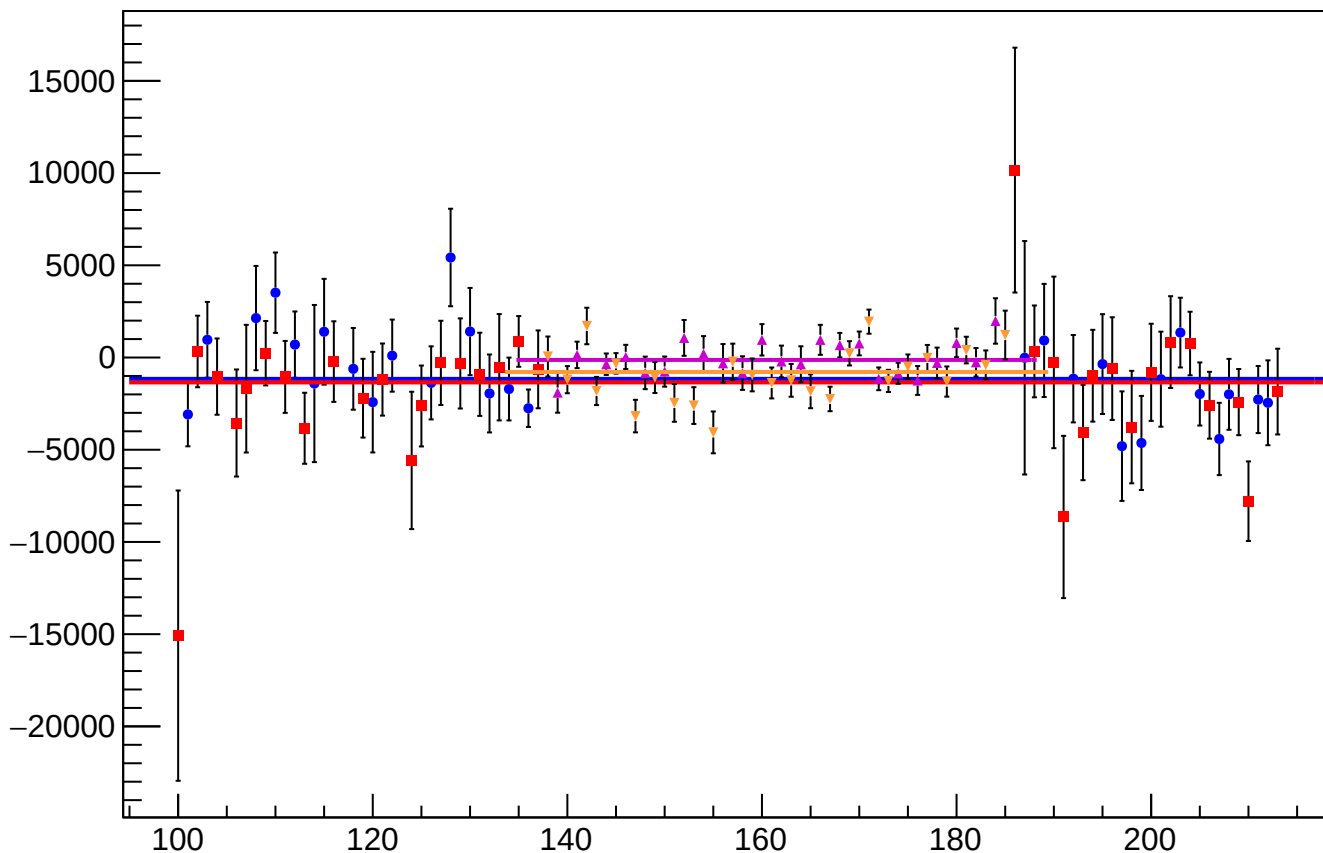
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321187.5/22

+ sign 106.956 $\pm$ 0.013 χ^2 /NDF: 5821314.3/53

All: 107.994 $\pm$ 0.009 χ^2 /NDF: 12710793.5/1

- sign 109.079 $\pm$ 0.013 χ^2 /NDF: 6876813.6/56

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1157.274 ± 388.734 χ^2/NDF : 30.5/28

Left Out: -783.756 ± 158.329 χ^2/NDF : 66.3/24

Right Out: -1349.572 ± 393.282 χ^2/NDF : 32.4/33

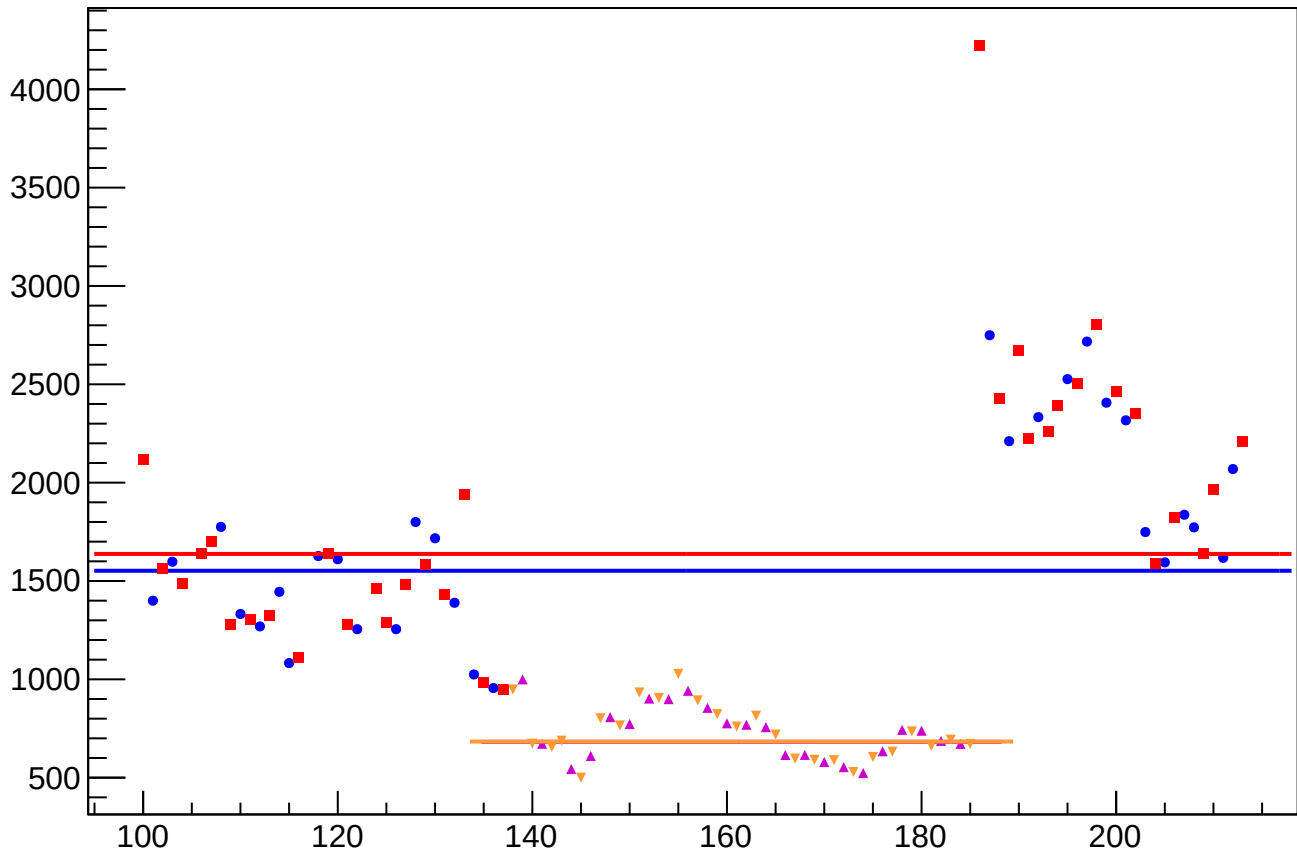
Left In: -131.380 ± 162.409 χ^2/NDF : 24.3/22

+ sign -836.902 ± 146.633 χ^2/NDF : 97.6/53

All: -579.072 ± 104.894 χ^2/NDF : 168.8/110

- sign -308.859 ± 150.113 χ^2/NDF : 64.9/56

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1551.966 ± 0.275 χ^2/NDF : 2713845.8/28

Left Out: 683.698 ± 0.112 χ^2/NDF : 1297969.4/24

Right Out: 1637.528 ± 0.278 χ^2/NDF : 3149479.2/33

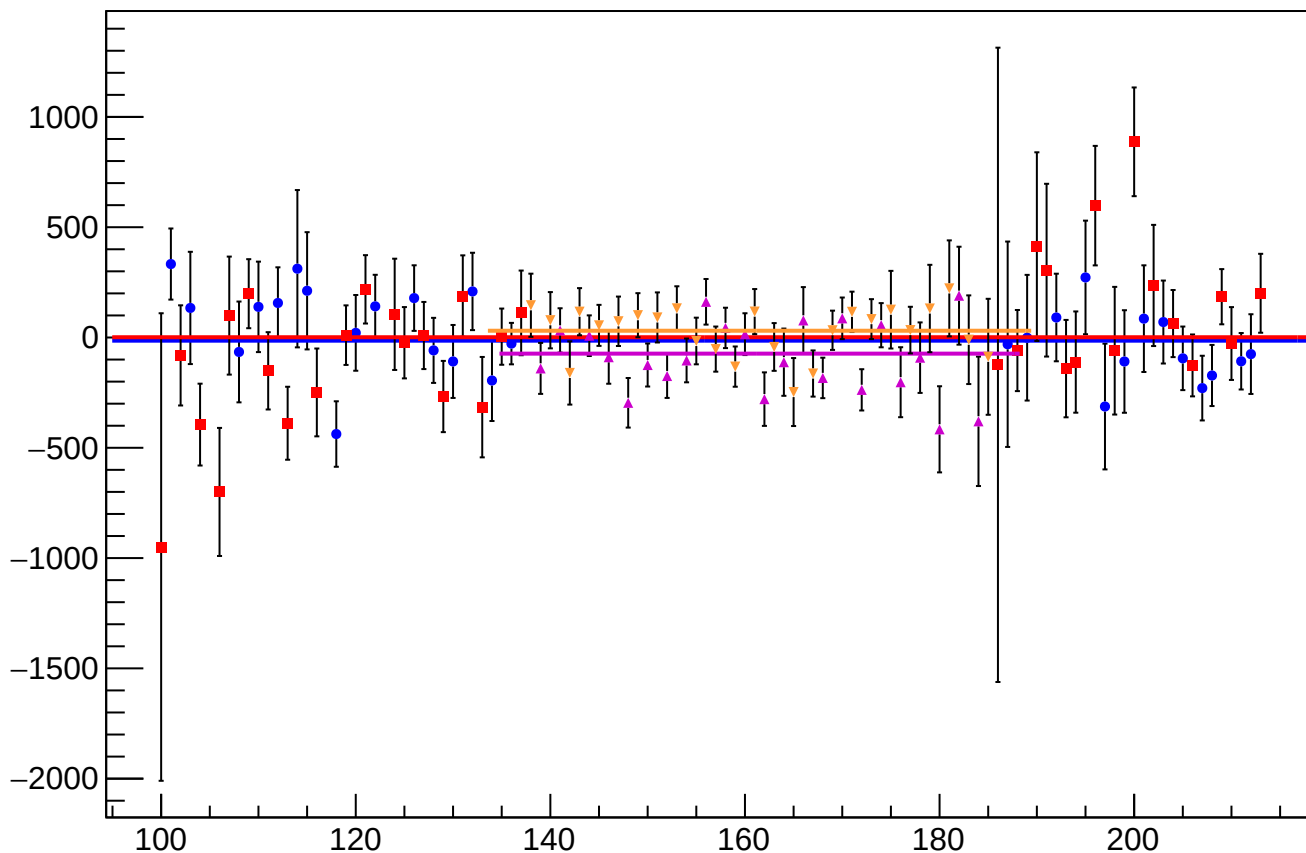
Left In: 681.961 ± 0.115 χ^2/NDF : 1186135.0/22

+ sign 807.239 ± 0.104 χ^2/NDF : 12569888.3/53

All: 814.045 ± 0.074 χ^2/NDF : 27001271.6/11

- sign 821.178 ± 0.106 χ^2/NDF : 14422558.5/56

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -14.344 ± 32.266 χ^2/NDF : 29.9/28

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: 1.169 ± 32.573 χ^2/NDF : 54.4/33

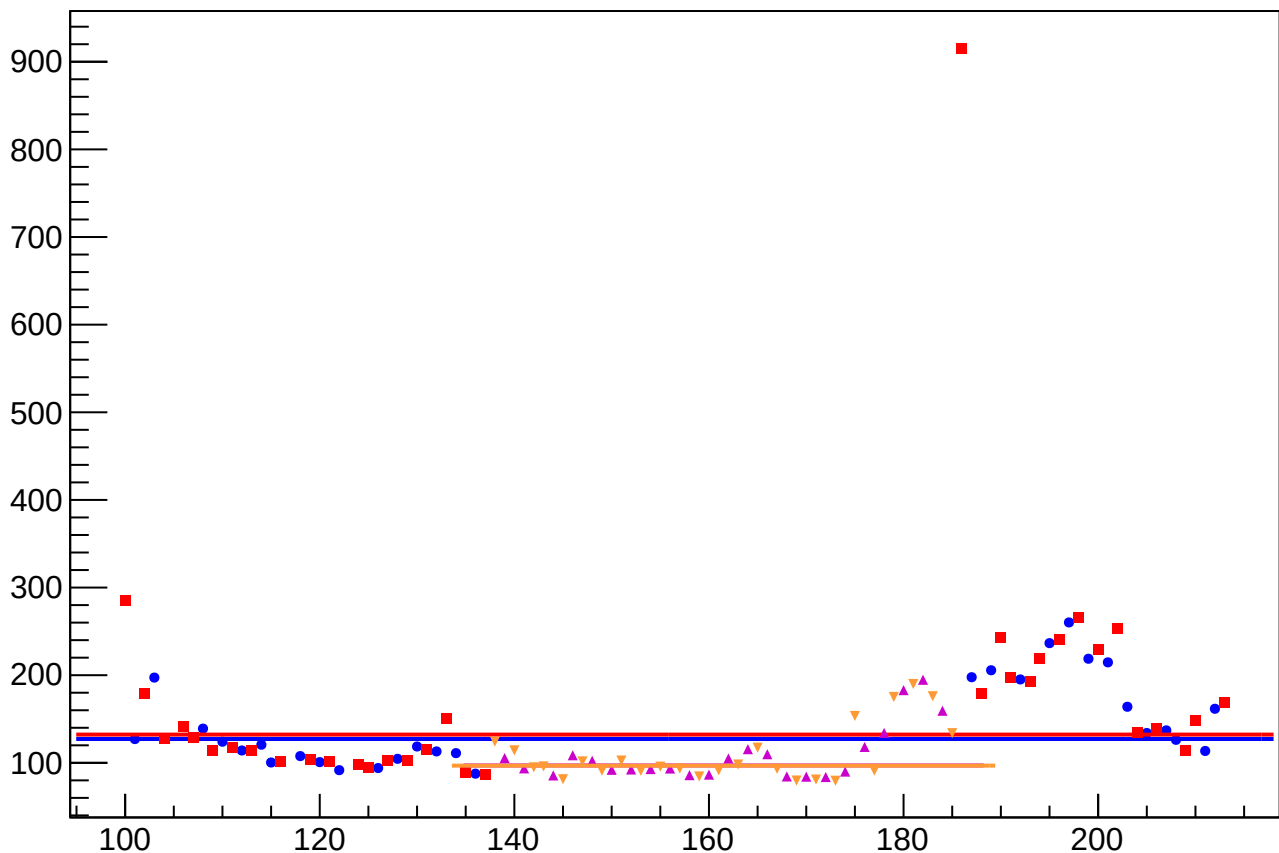
Left In: -73.146 ± 23.510 χ^2/NDF : 34.5/22

+ sign 15.639 ± 18.651 χ^2/NDF : 51.1/53

All: -15.333 ± 13.332 χ^2/NDF : 149.1/110

- sign -47.692 ± 19.063 χ^2/NDF : 92.4/56

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 127.207 $\pm$ 0.023 χ^2 /NDF: 2917665.4/28

Left Out: 96.795 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 132.231 $\pm$ 0.023 χ^2 /NDF: 4018710.3/33

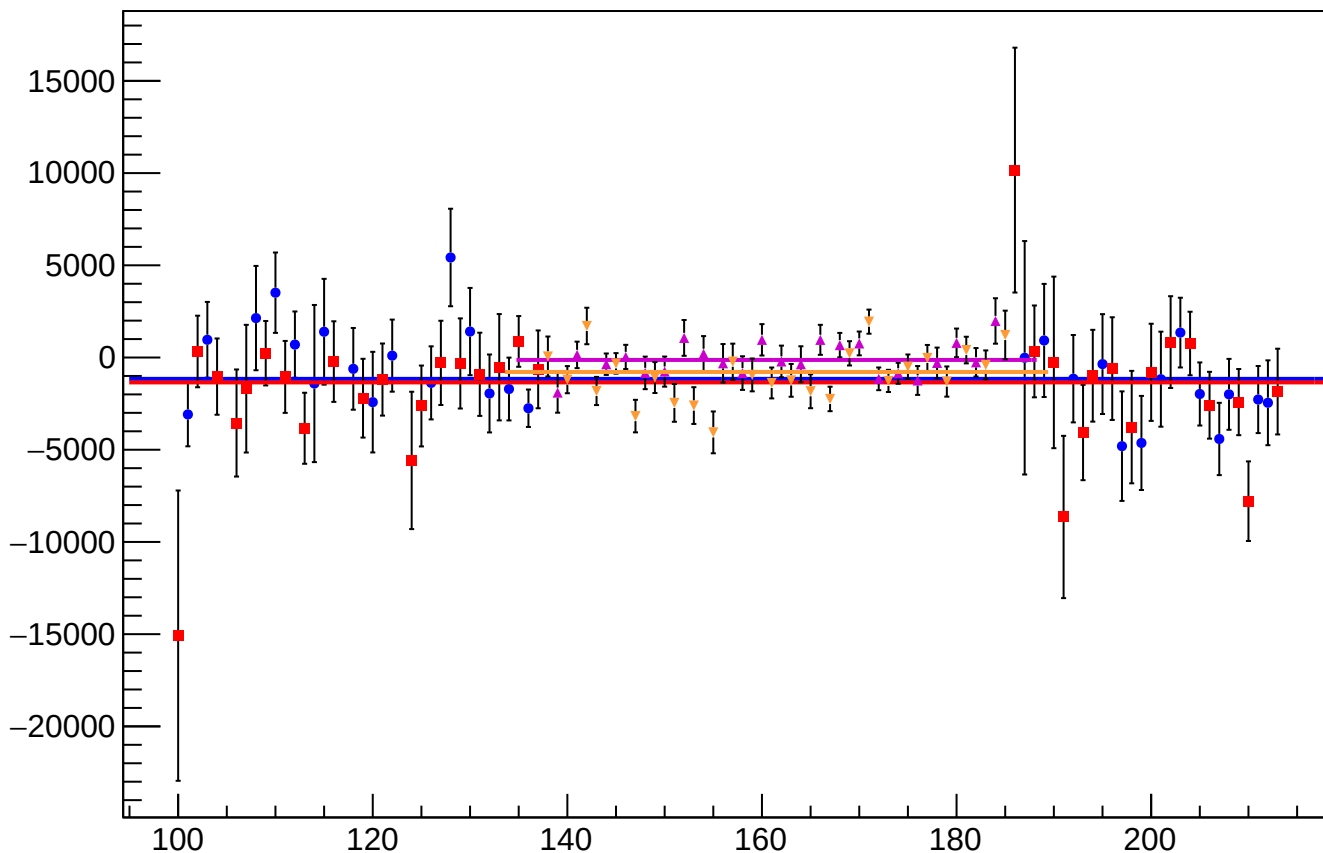
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321171.2/22

+ sign 106.956 $\pm$ 0.013 χ^2 /NDF: 5821268.1/53

All: 107.994 $\pm$ 0.009 χ^2 /NDF: 12710693.0/127

- sign 109.079 $\pm$ 0.013 χ^2 /NDF: 6876759.0/56

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -1157.268 ± 388.734 χ^2/NDF : 30.5/28

Left Out: -783.754 ± 158.328 χ^2/NDF : 66.3/24

Right Out: -1349.570 ± 393.281 χ^2/NDF : 32.4/33

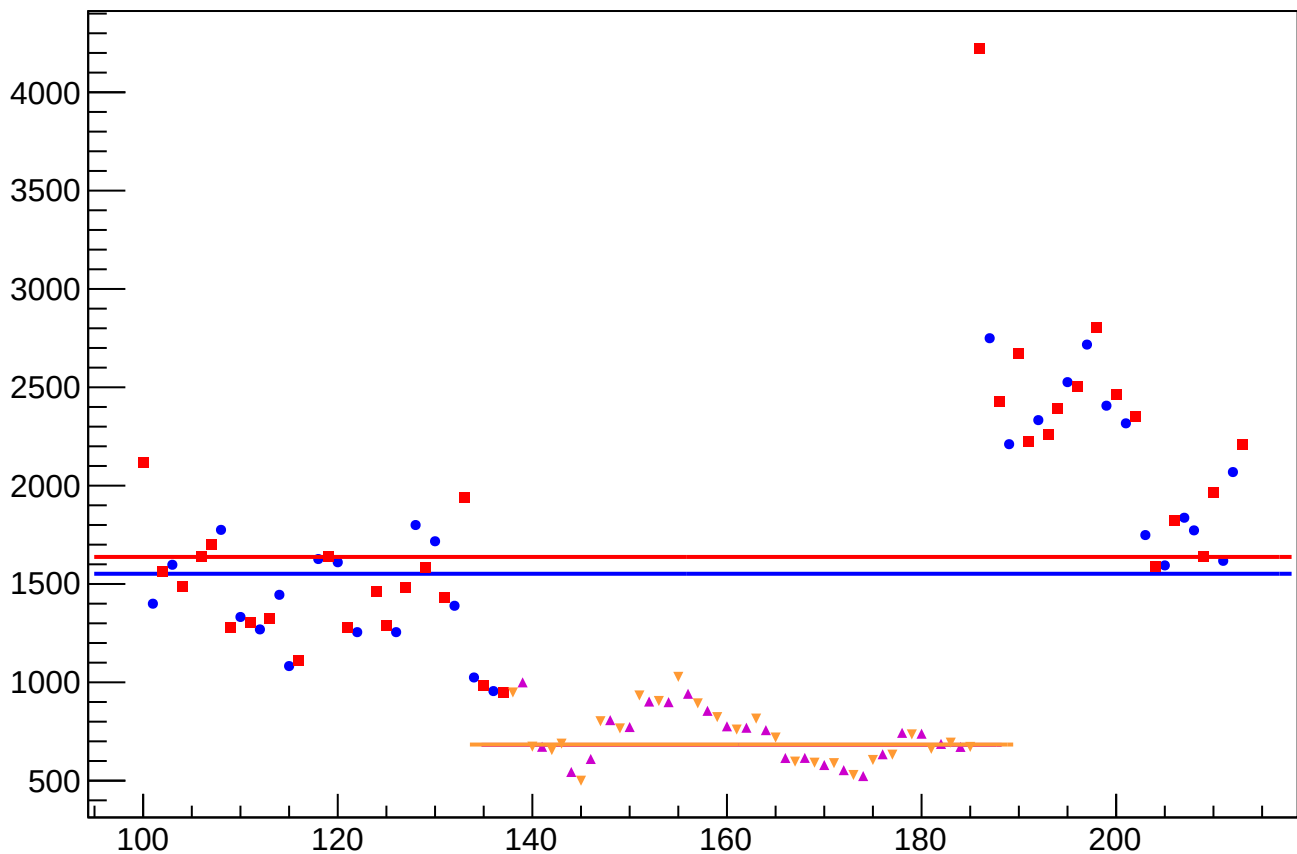
Left In: -131.379 ± 162.409 χ^2/NDF : 24.3/22

+ sign -836.899 ± 146.633 χ^2/NDF : 97.6/53

All: -579.071 ± 104.894 χ^2/NDF : 168.8/110

- sign -308.857 ± 150.113 χ^2/NDF : 64.9/56

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1551.964 $\pm$ 0.275 χ^2 /NDF: 2713854.9/28

Left Out: 683.696 $\pm$ 0.112 χ^2 /NDF: 1297975.5/24

Right Out: 1637.525 $\pm$ 0.278 χ^2 /NDF: 3149491.0/33

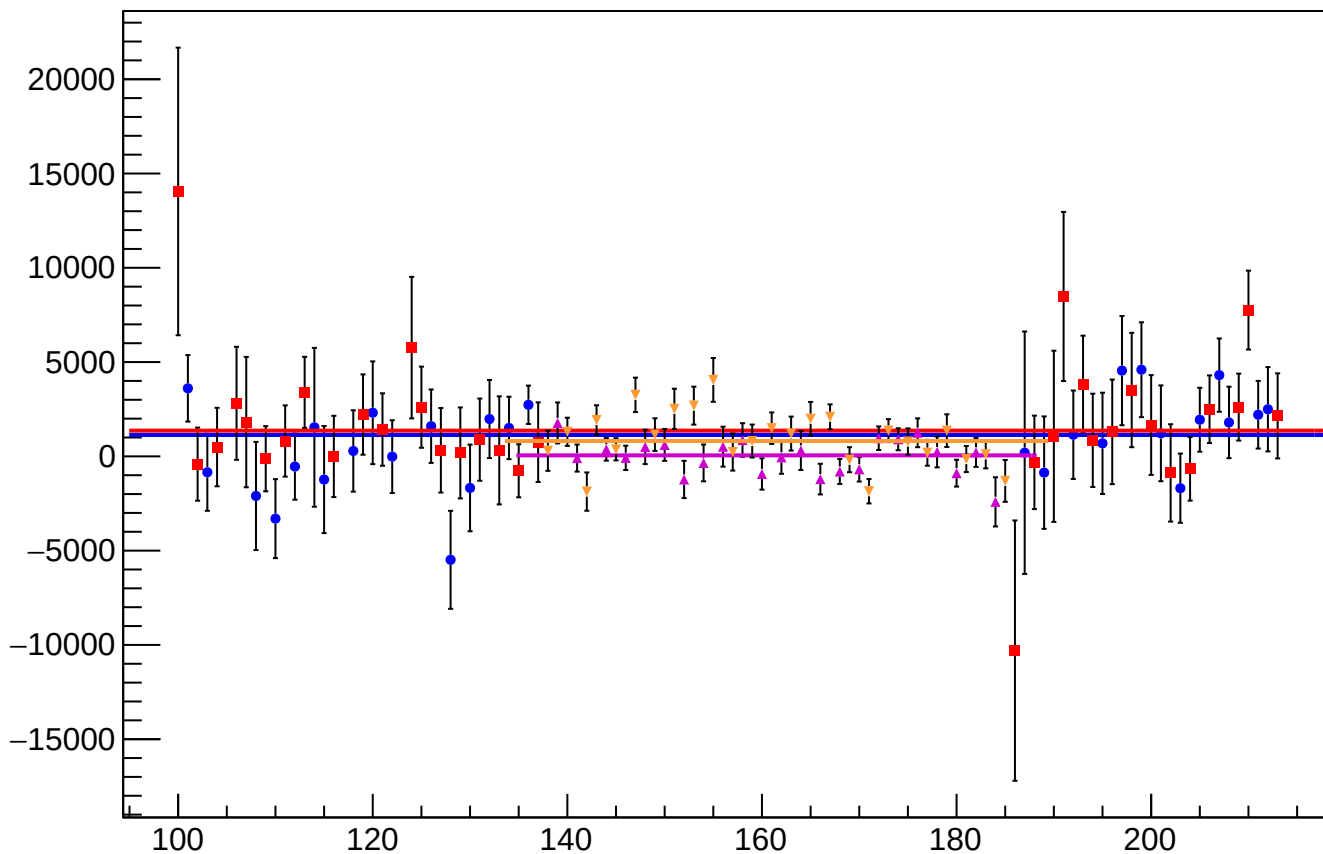
Left In: 681.960 $\pm$ 0.115 χ^2 /NDF: 1186136.6/22

+ sign 807.237 $\pm$ 0.104 χ^2 /NDF: 12569909.5/53

All: 814.043 $\pm$ 0.074 χ^2 /NDF: 27001311.3/11

- sign 821.176 $\pm$ 0.106 χ^2 /NDF: 14422577.0/56

asym_sam_2468_avg_mean vs Slug



Right In: 1132.306 $\pm$ 383.976 χ^2 /NDF: 31.6/28

Left Out: 814.067 $\pm$ 159.256 χ^2 /NDF: 65.8/24

Right Out: 1363.316 $\pm$ 390.276 χ^2 /NDF: 31.2/33

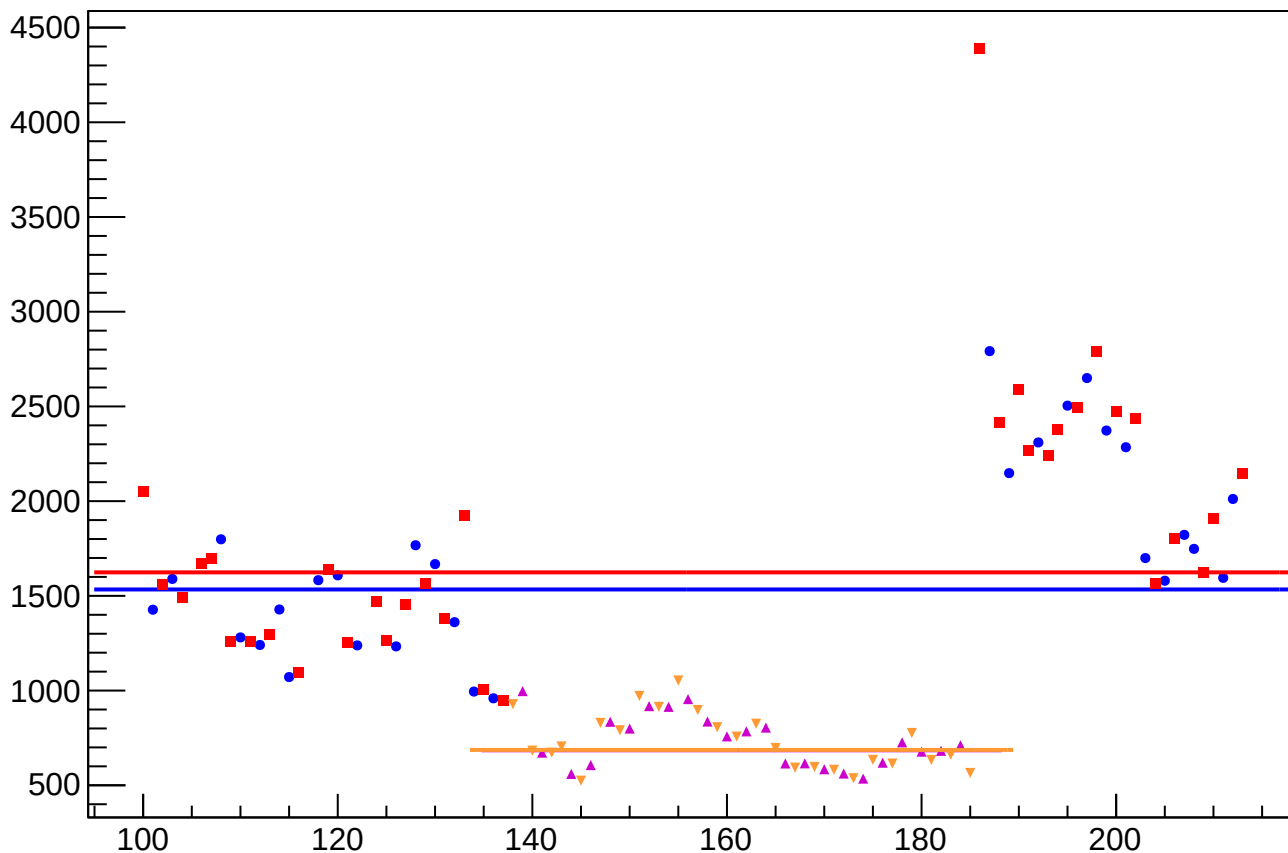
Left In: 52.290 $\pm$ 163.036 χ^2 /NDF: 25.4/22

+ sign 860.776 $\pm$ 147.105 χ^2 /NDF: 98.0/53

All: 560.801 $\pm$ 105.177 χ^2 /NDF: 172.6/110

- sign 247.084 $\pm$ 150.437 χ^2 /NDF: 66.2/56

asym_sam_2468_avg_rms vs Slug



Right In: 1533.752 $\pm$ 0.272 χ^2 /NDF: 2663398.0/28

Left Out: 686.700 $\pm$ 0.113 χ^2 /NDF:1312231.8/24

Right Out: 1623.992 $\pm$ 0.276 χ^2 /NDF: 3163825.9/33

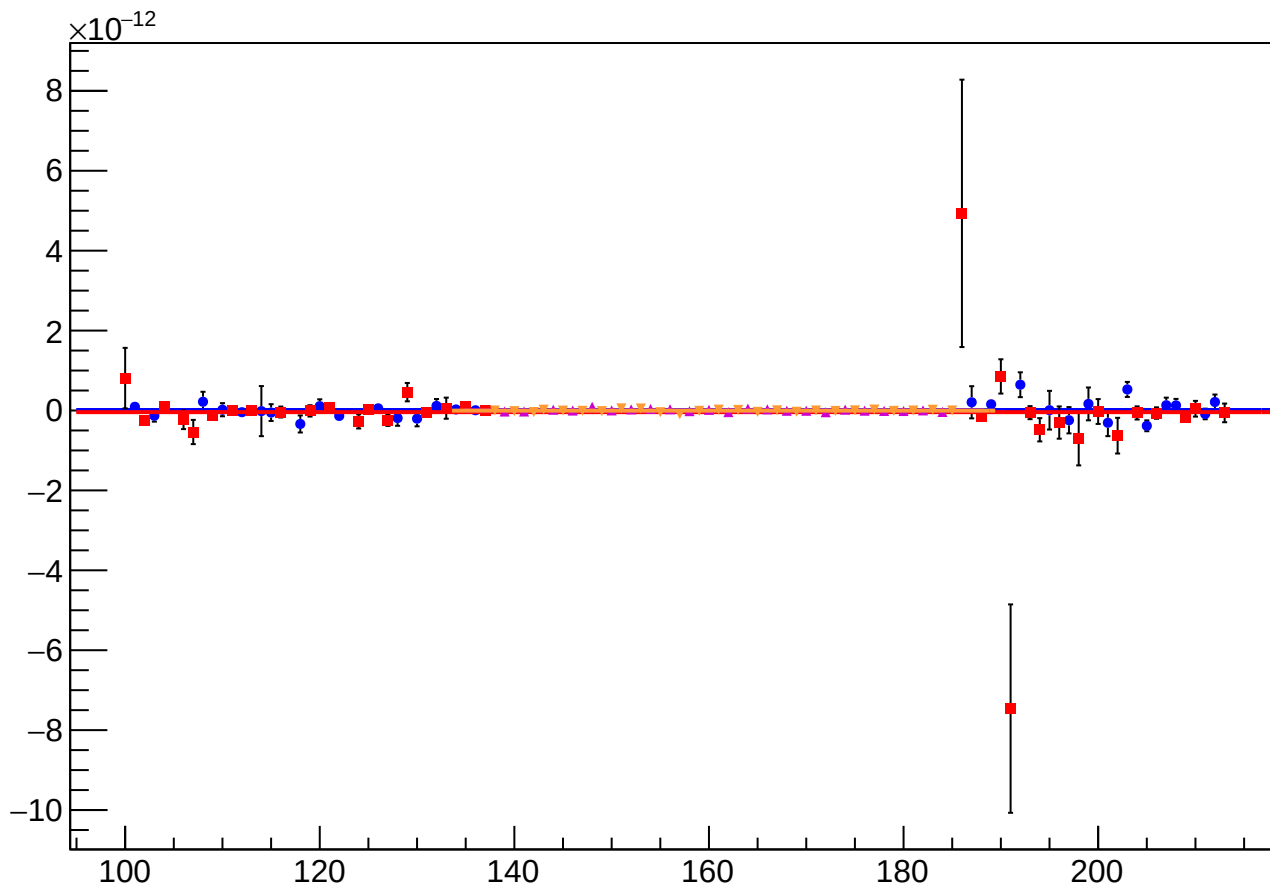
Left In: 684.763 $\pm$ 0.115 χ^2 /NDF:1165205.5/22

+ sign 811.025 $\pm$ 0.104 χ^2 /NDF: 12279986.9/53

All: 817.521 $\pm$ 0.074 χ^2 /NDF: 26479154.6/11

- sign 824.315 $\pm$ 0.106 χ^2 /NDF: 14191187.5/56

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 37.6/28

Left Out: -0.000+/-0.000 χ^2/NDF : 16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 48.1/33

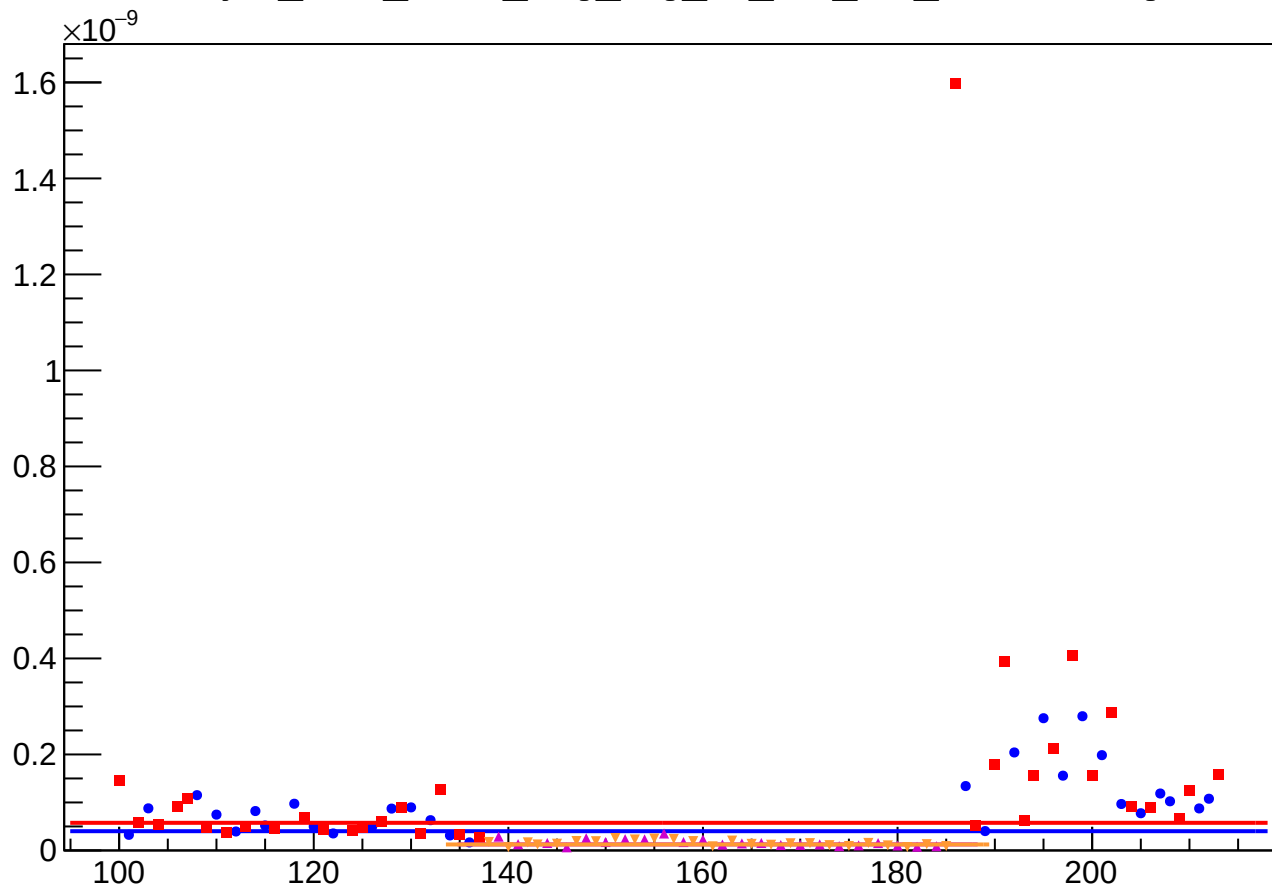
Left In: 0.000+/-0.000 χ^2/NDF : 20.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 54.6/53

All: -0.000+/-0.000 χ^2/NDF : 125.9/110

- sign -0.000+/-0.000 χ^2/NDF : 71.2/56

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6282060.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4205483.1/33

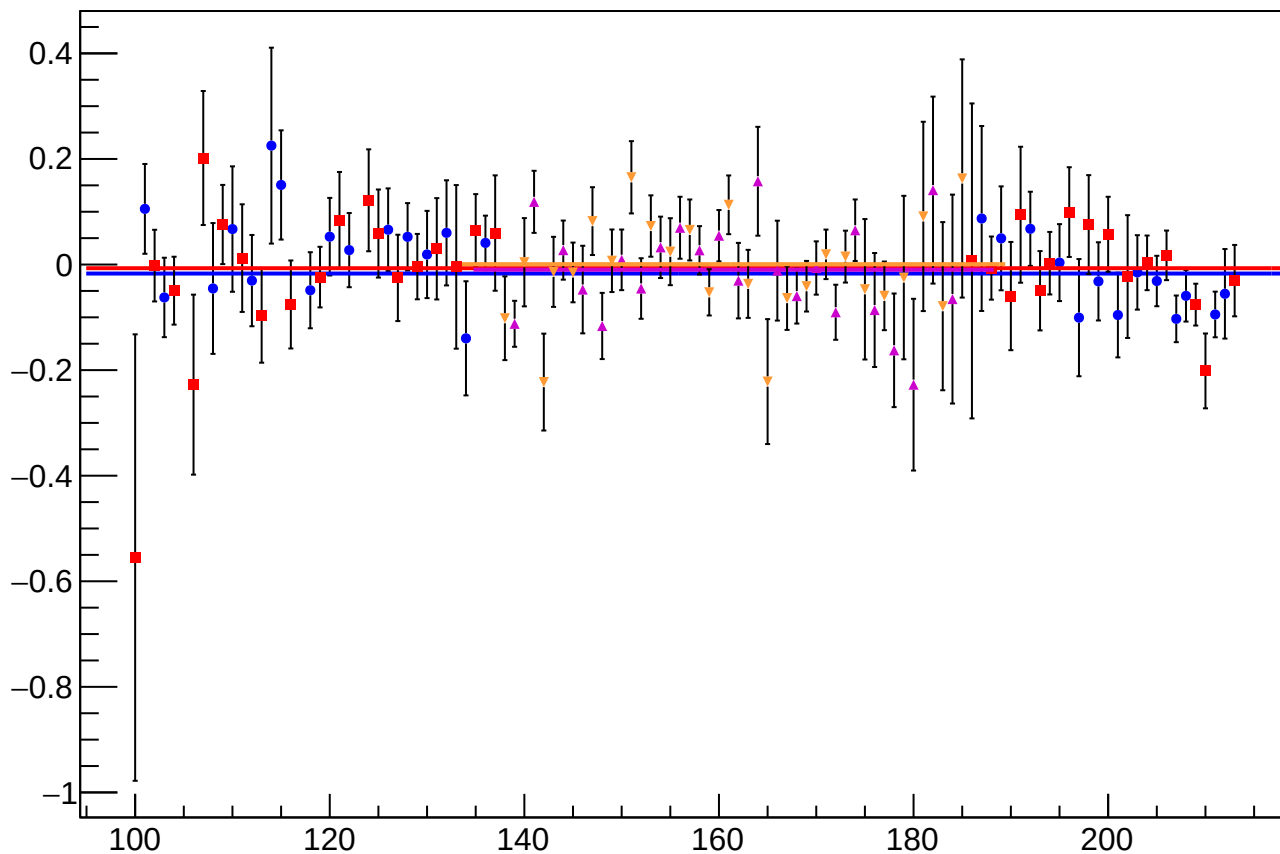
Left In: 0.000+/-0.000 χ^2/NDF : 1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 11592541.2/53

All: 0.000+/-0.000 χ^2/NDF : 24042780.4/110

- sign 0.000+/-0.000 χ^2/NDF : 12443032.7/56

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 26.4/28

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.007 ± 0.013 χ^2/NDF : 30.0/33

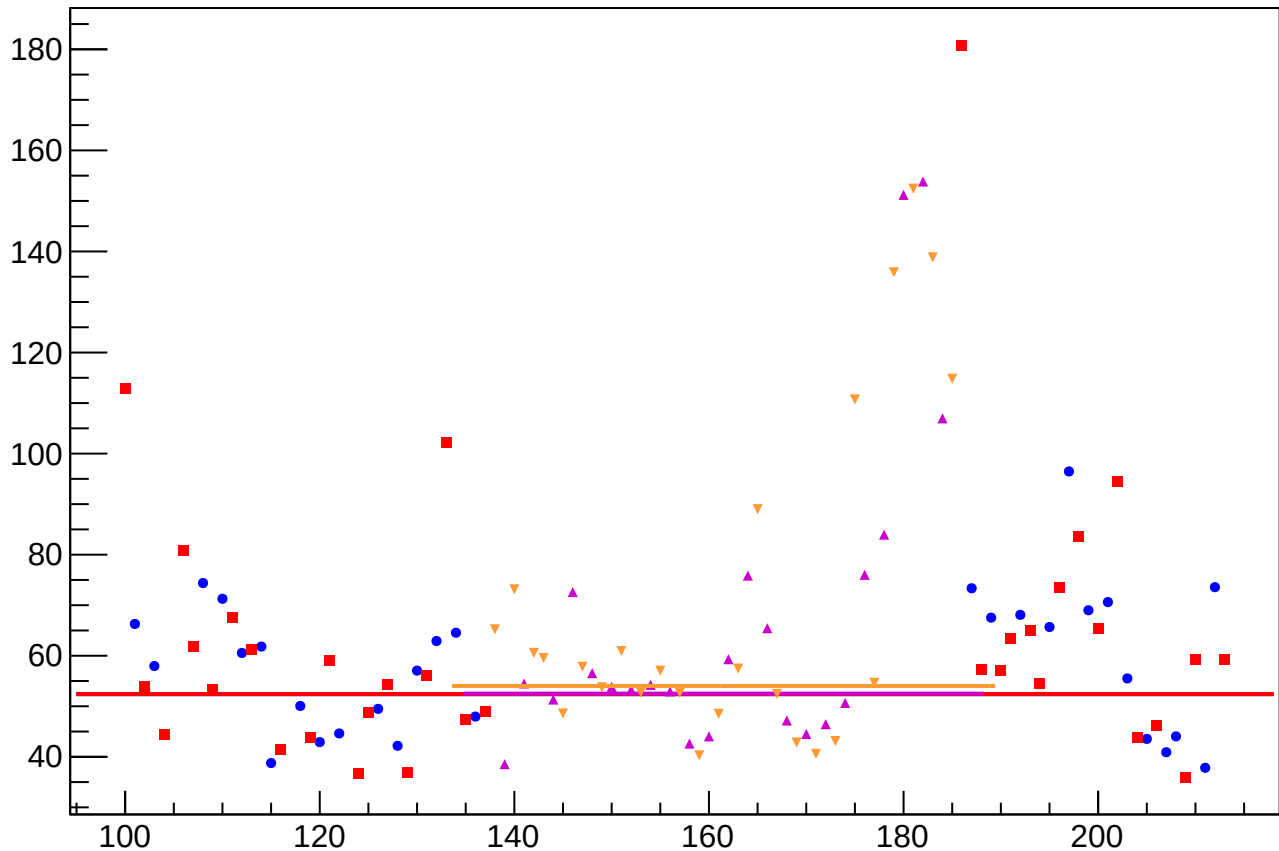
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.008 ± 0.009 χ^2/NDF : 59.0/53

All: -0.008 ± 0.007 χ^2/NDF : 120.9/110

- sign -0.008 ± 0.009 χ^2/NDF : 61.9/56

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.396 $\pm$ 0.009 χ^2 /NDF: 1797598.4/28

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227550.5/24

Right Out: 52.412 $\pm$ 0.009 χ^2 /NDF: 2309069.7/33

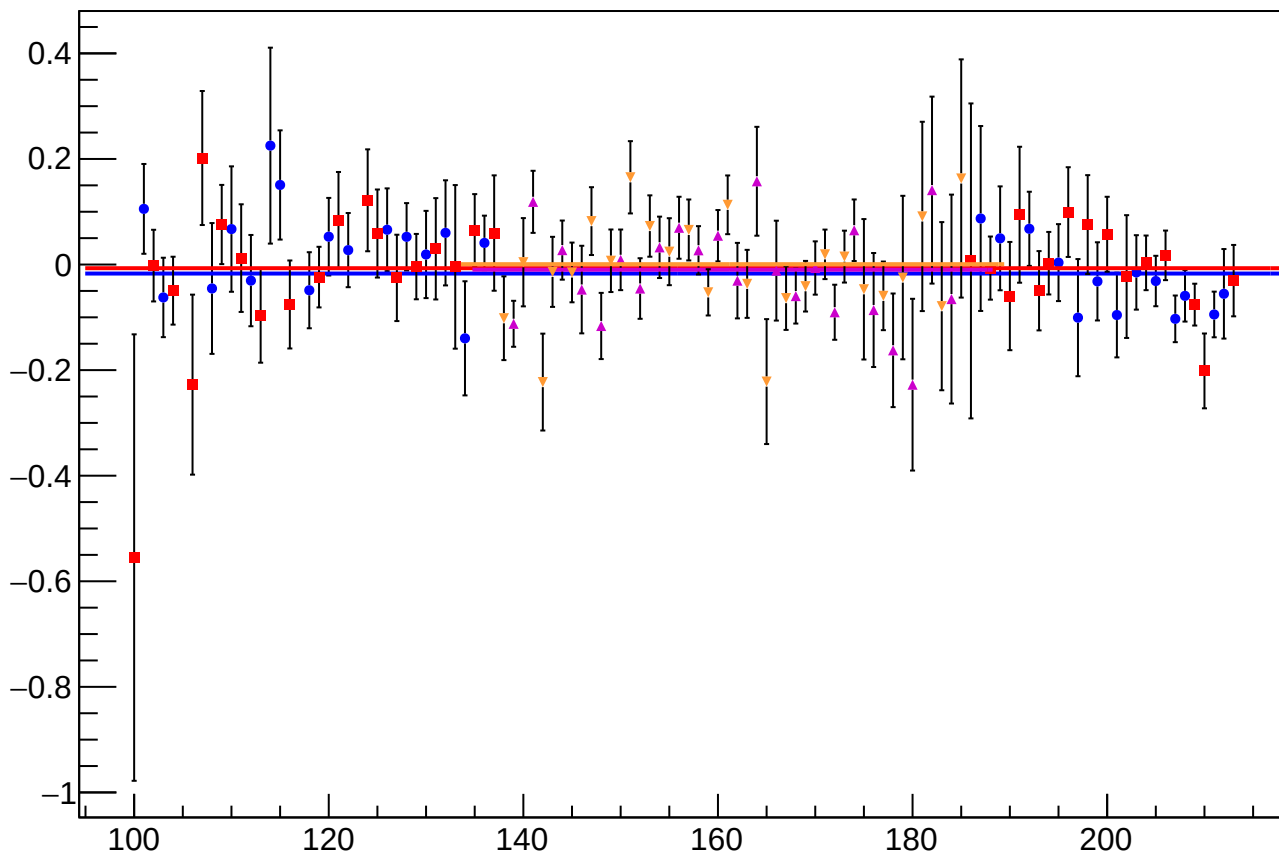
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557763.5/22

+ sign 53.213 $\pm$ 0.007 χ^2 /NDF: 5039940.6/53

All: 52.828 $\pm$ 0.005 χ^2 /NDF: 9913403.1/110

- sign 52.456 $\pm$ 0.007 χ^2 /NDF: 4866880.6/56

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 26.4/28

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.007 ± 0.013 χ^2/NDF : 30.0/33

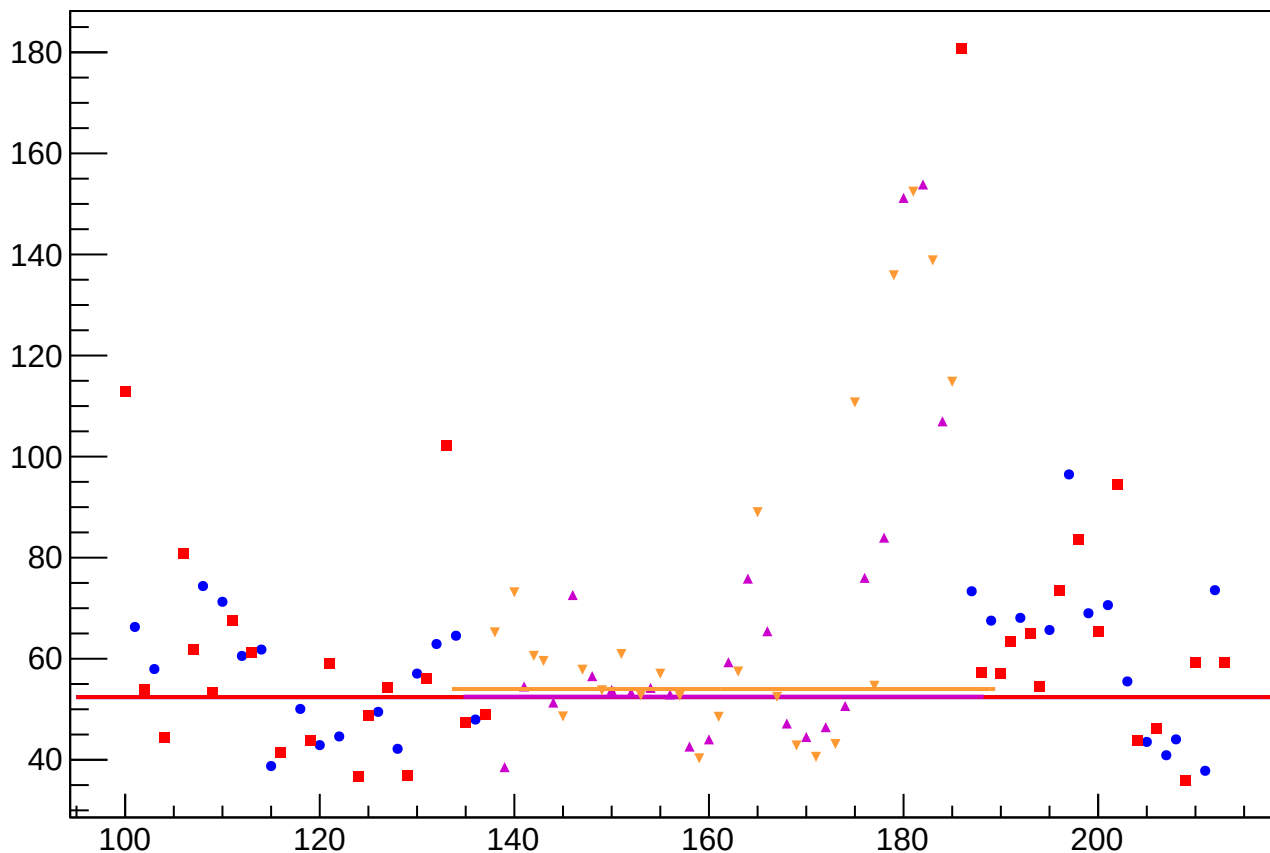
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.008 ± 0.009 χ^2/NDF : 59.0/53

All: -0.008 ± 0.007 χ^2/NDF : 120.9/110

- sign -0.008 ± 0.009 χ^2/NDF : 61.9/56

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.396 $\pm$ 0.009 χ^2 /NDF: 1797598.4/28

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227550.5/24

Right Out: 52.412 $\pm$ 0.009 χ^2 /NDF: 2309069.7/33

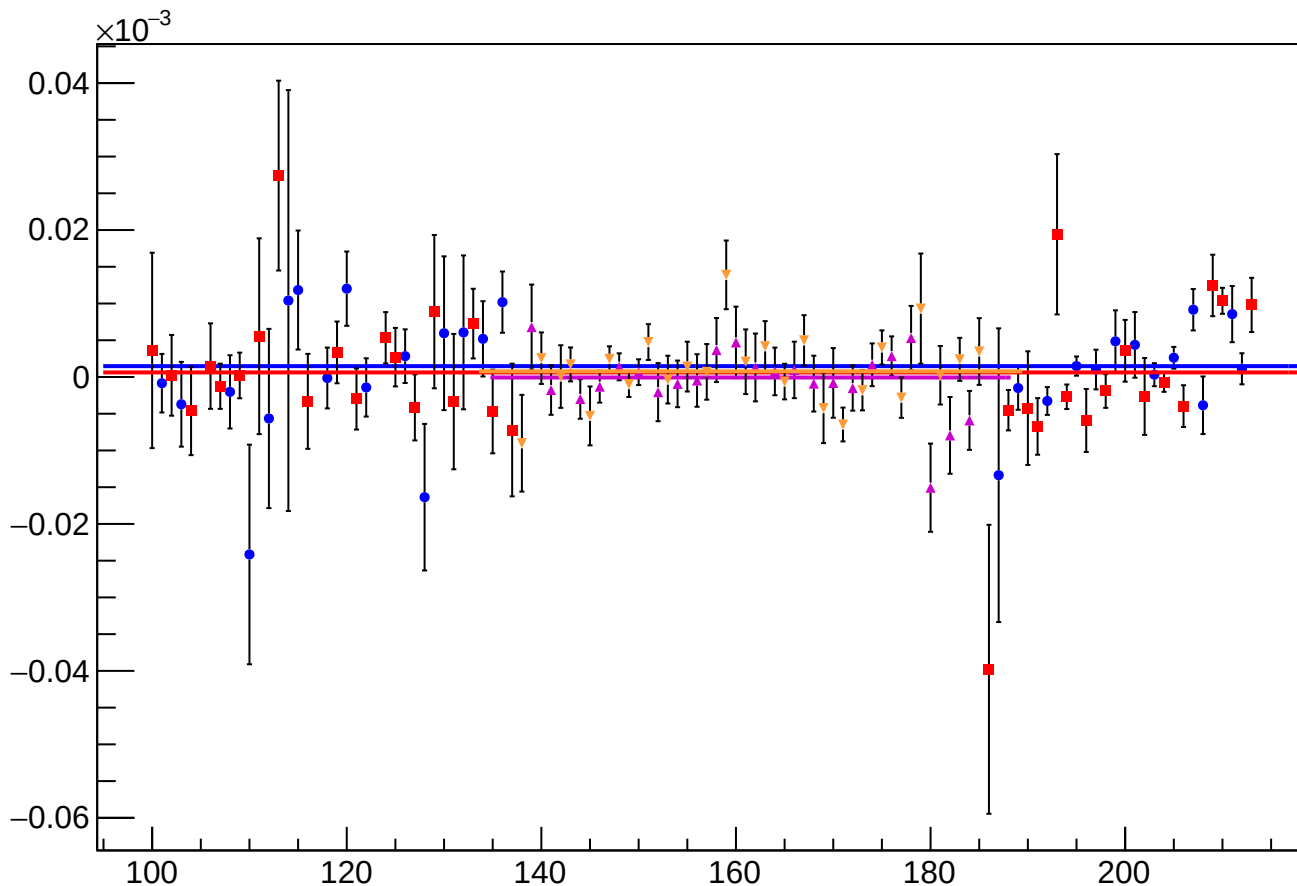
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557763.5/22

+ sign 53.213 $\pm$ 0.007 χ^2 /NDF: 5039940.6/53

All: 52.828 $\pm$ 0.005 χ^2 /NDF: 9913403.1/110

- sign 52.456 $\pm$ 0.007 χ^2 /NDF: 4866880.6/56

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.1/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.1/33

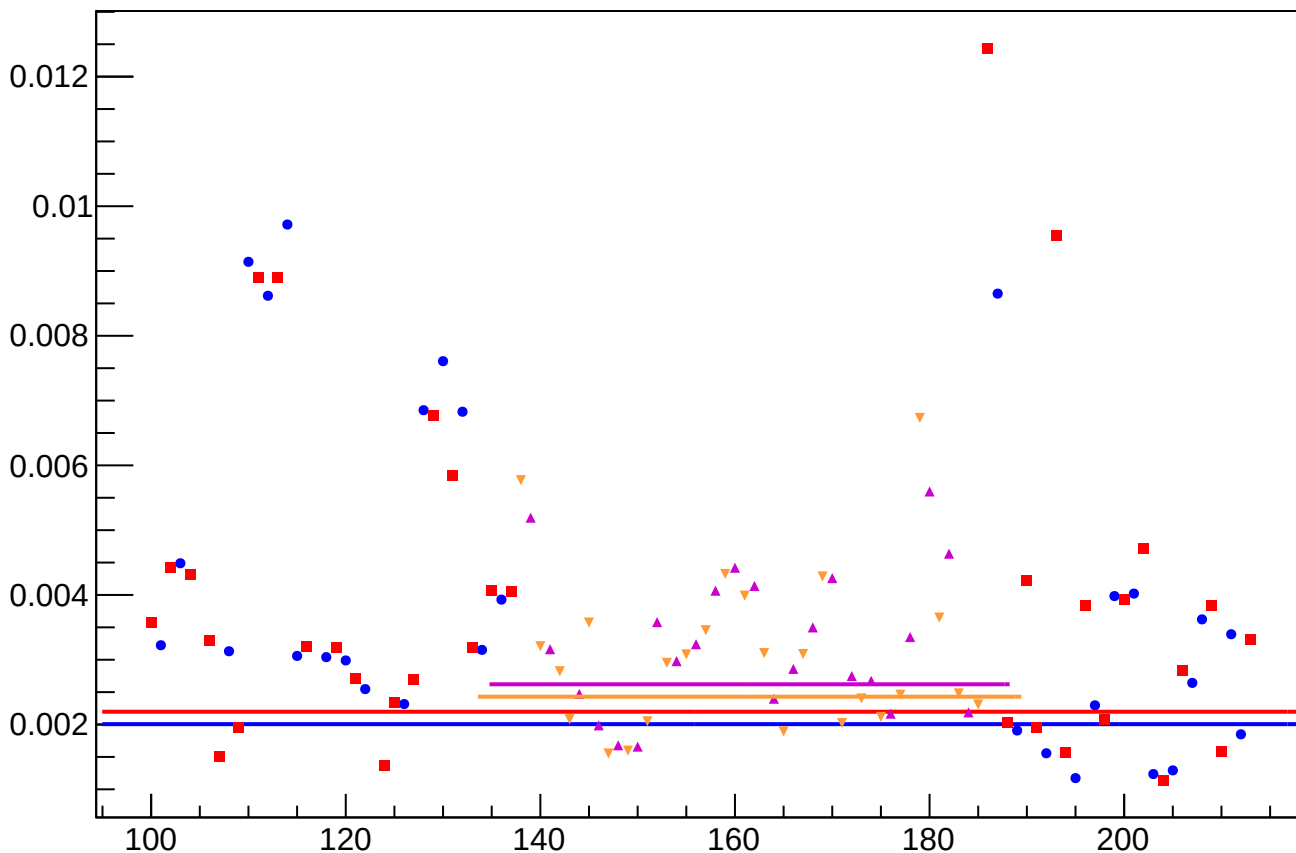
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 81.9/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 190.7/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 106.9/56

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7813985.6/28

Left Out: 0.002+/-0.000 χ^2/NDF : 4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8361405.8/33

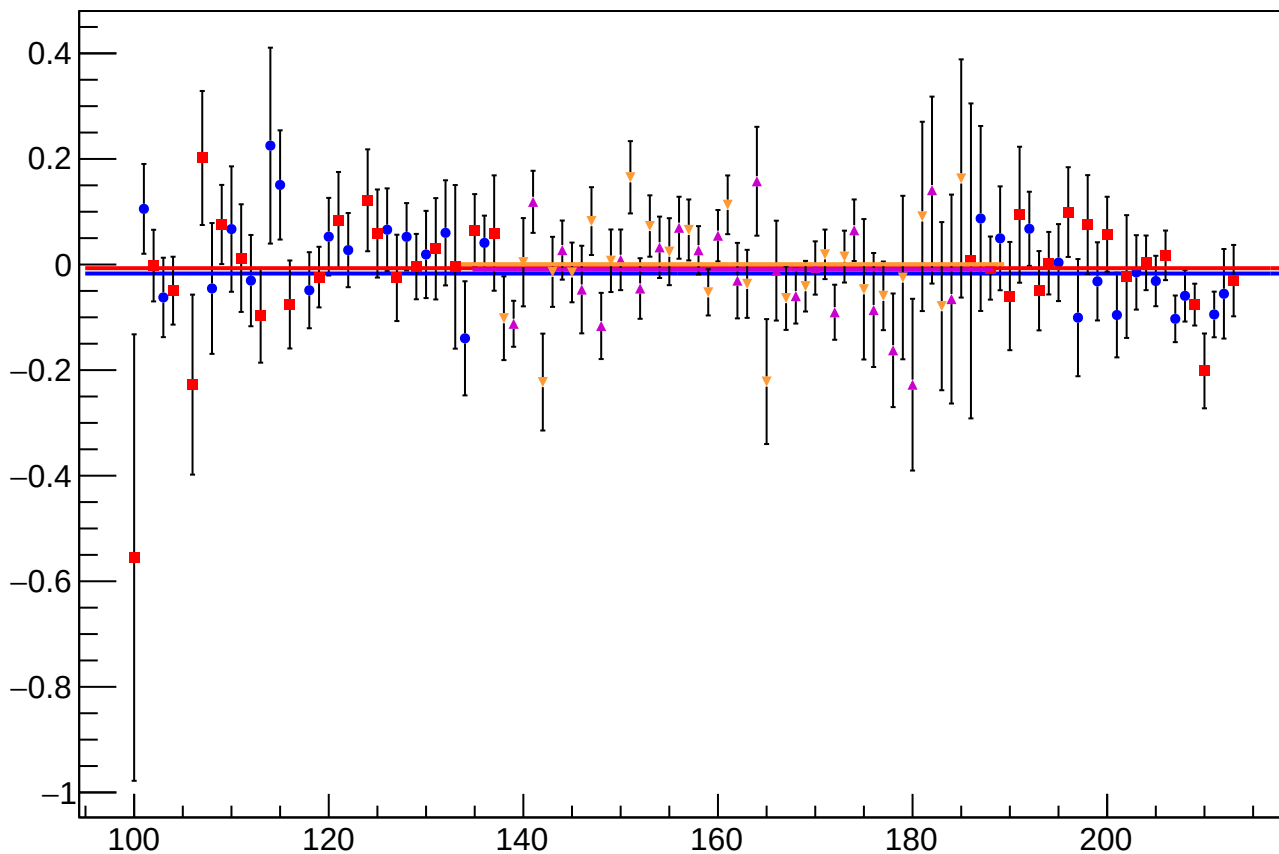
Left In: 0.003+/-0.000 χ^2/NDF : 3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF : 12567131.3/53

All: 0.002+/-0.000 χ^2/NDF : 25511522.8/110

- sign 0.002+/-0.000 χ^2/NDF : 12770685.9/56

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 26.4/28

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.007 ± 0.013 χ^2/NDF : 30.0/33

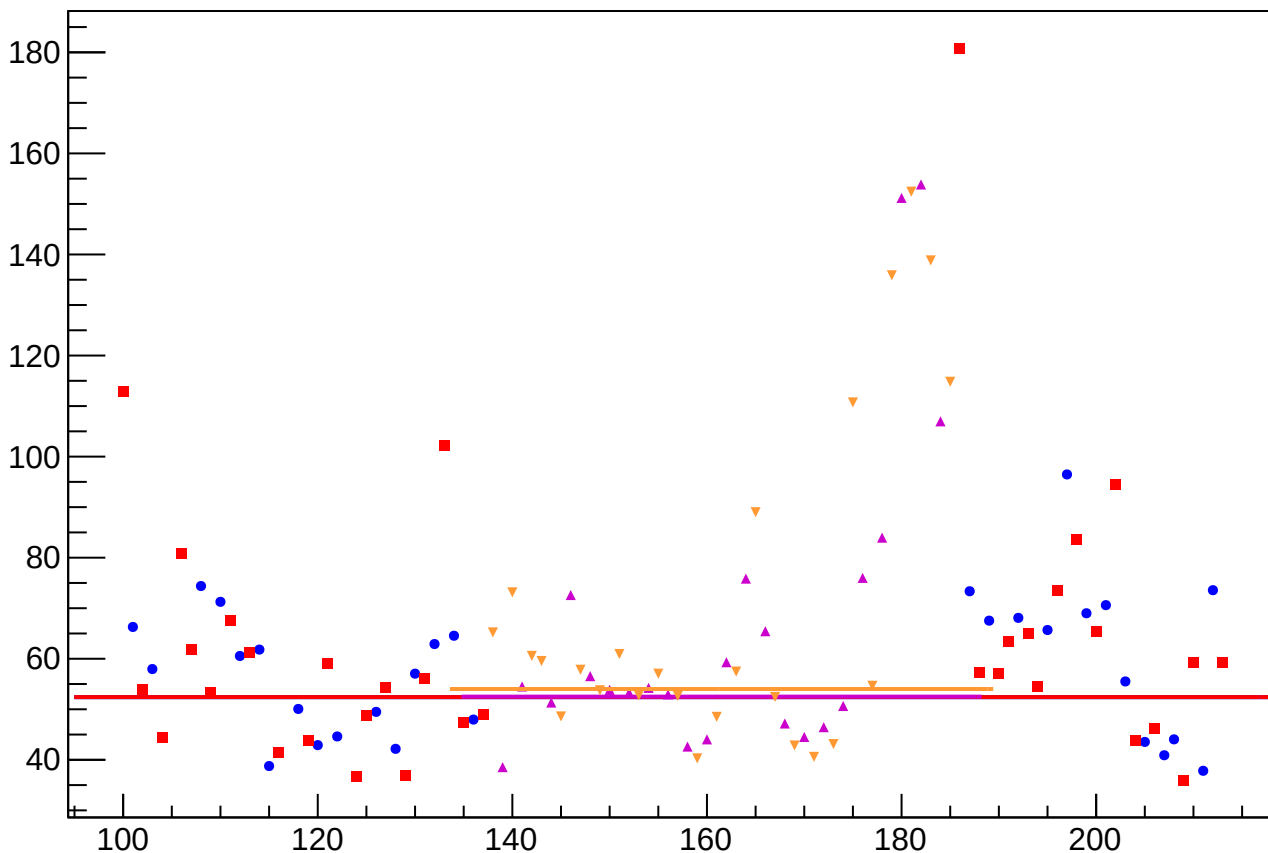
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.008 ± 0.009 χ^2/NDF : 59.0/53

All: -0.008 ± 0.007 χ^2/NDF : 120.9/110

- sign -0.008 ± 0.009 χ^2/NDF : 61.9/56

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.396 $\pm$ 0.009 χ^2 /NDF: 1797499.3/28

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 52.412 $\pm$ 0.009 χ^2 /NDF: 2308996.7/33

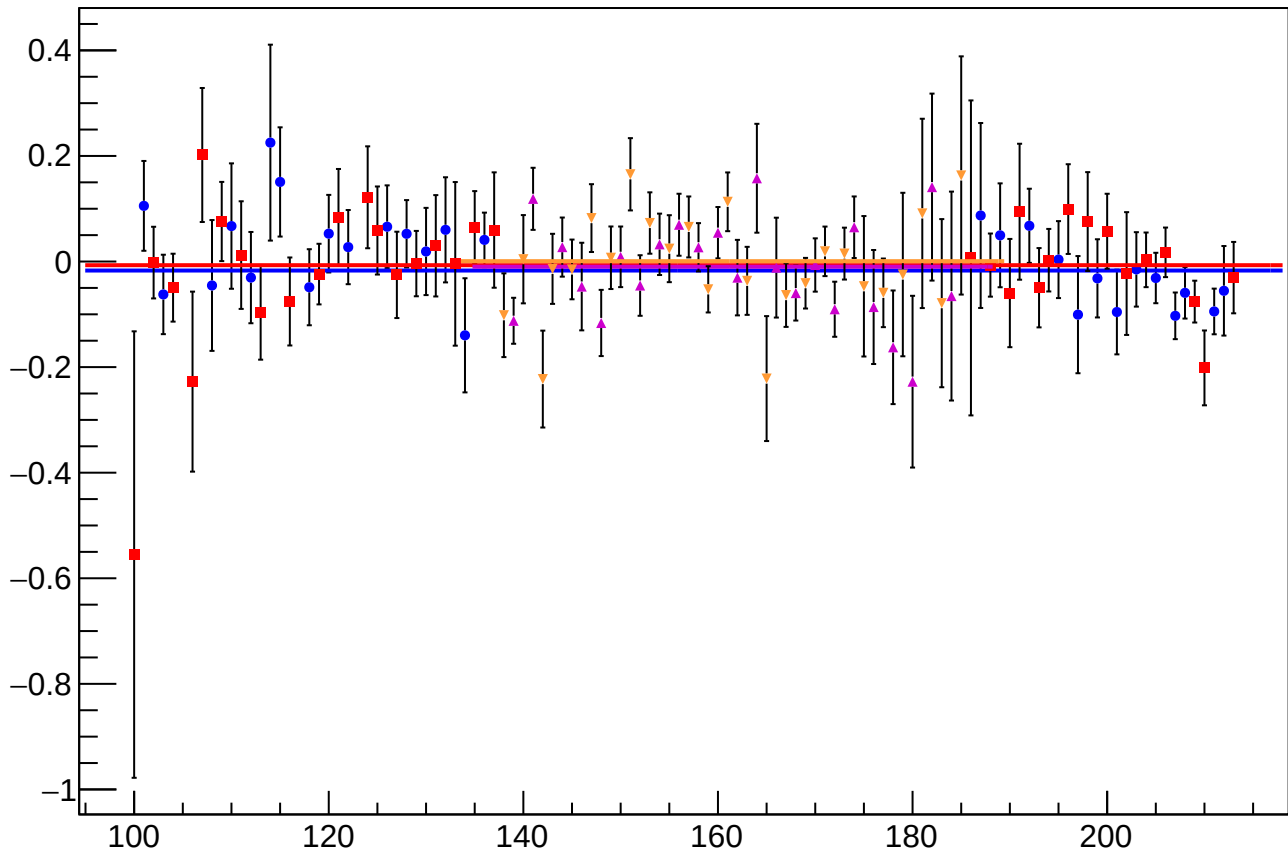
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.213 $\pm$ 0.007 χ^2 /NDF: 5039873.6/53

All: 52.828 $\pm$ 0.005 χ^2 /NDF: 9913305.5/110

- sign 52.456 $\pm$ 0.007 χ^2 /NDF: 4866850.3/56

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 ± 0.013 χ^2/NDF : 26.4/28

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: -0.007 ± 0.013 χ^2/NDF : 30.0/33

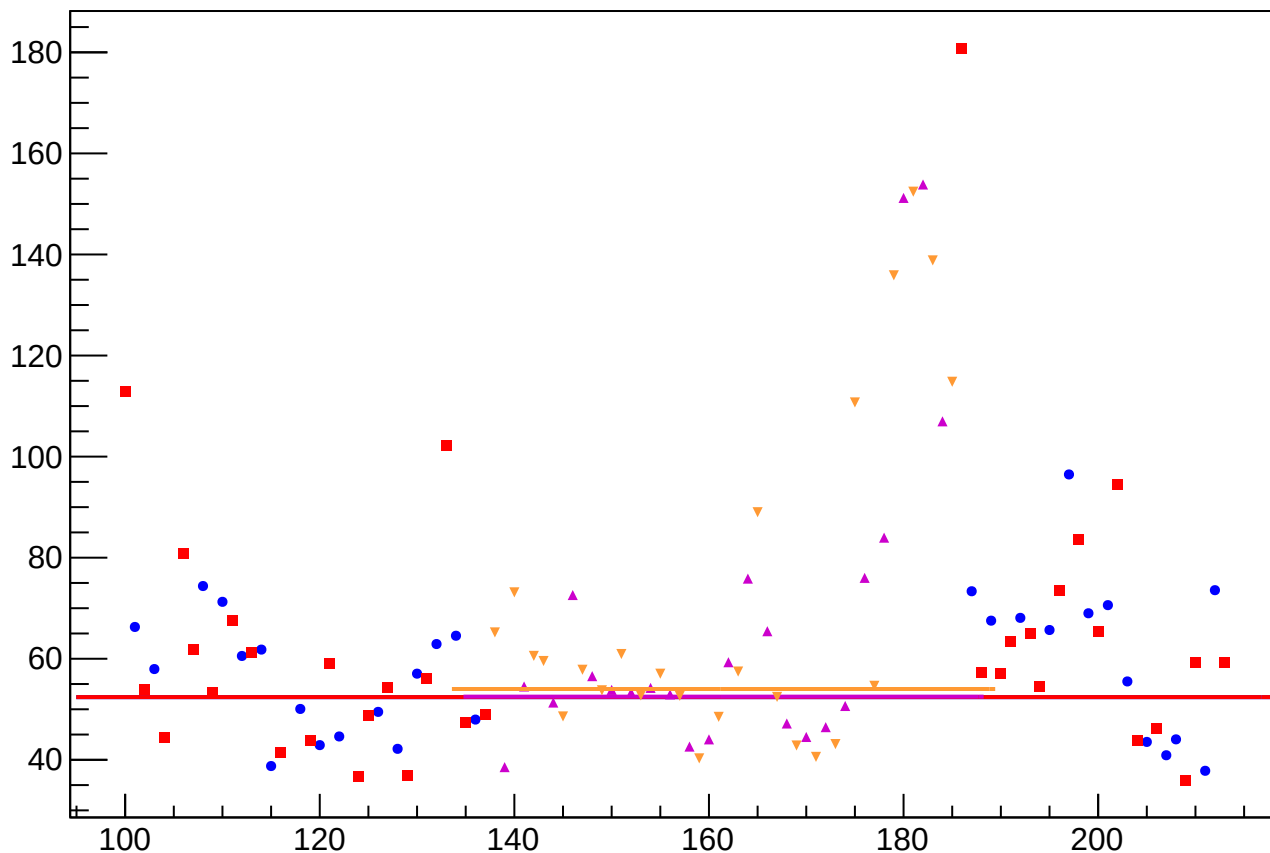
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign -0.008 ± 0.009 χ^2/NDF : 59.0/53

All: -0.008 ± 0.007 χ^2/NDF : 120.9/110

- sign -0.008 ± 0.009 χ^2/NDF : 61.9/56

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.396 $\pm$ 0.009 χ^2 /NDF: 1797499.3/28

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 52.412 $\pm$ 0.009 χ^2 /NDF: 2308996.7/33

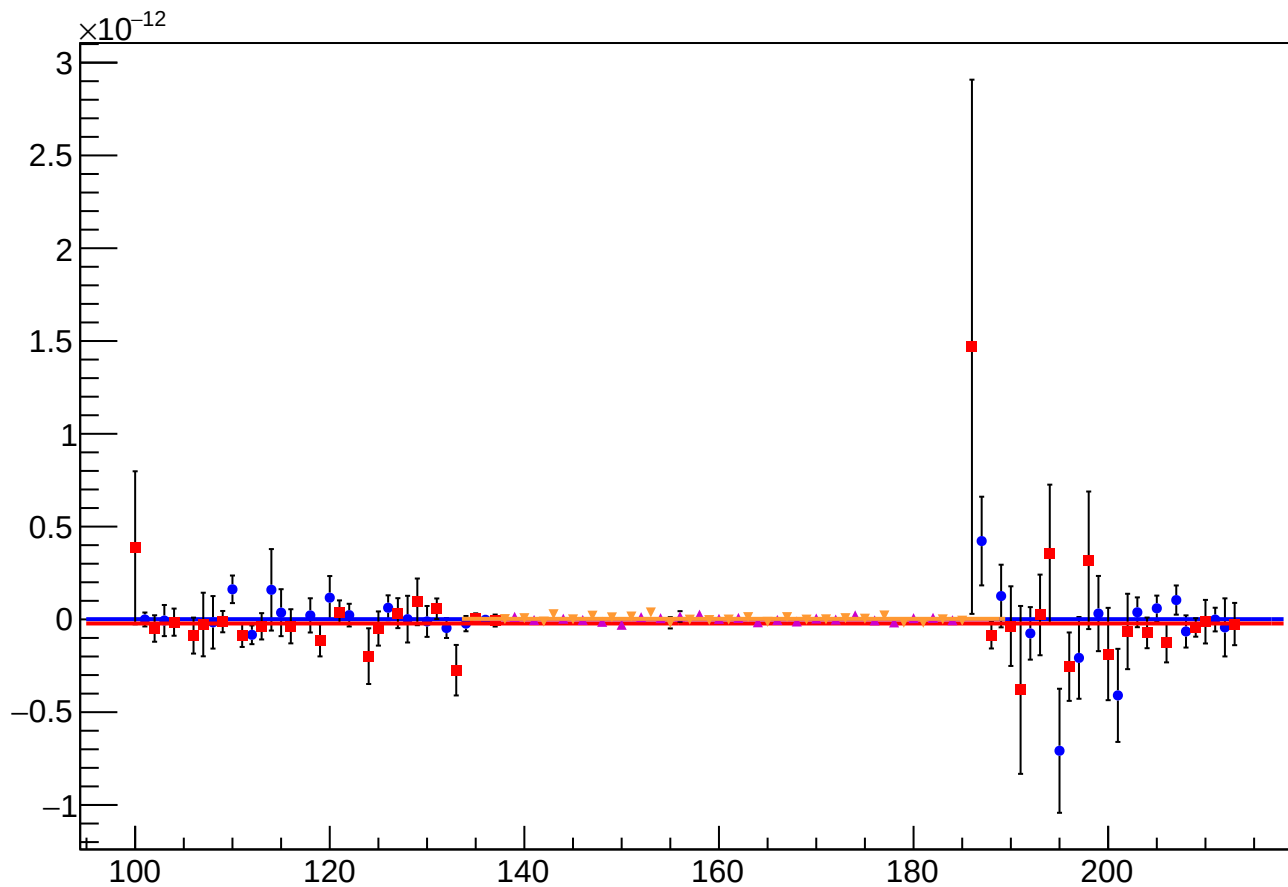
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.213 $\pm$ 0.007 χ^2 /NDF: 5039873.6/53

All: 52.828 $\pm$ 0.005 χ^2 /NDF: 9913305.5/110

- sign 52.456 $\pm$ 0.007 χ^2 /NDF: 4866850.3/56

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/33

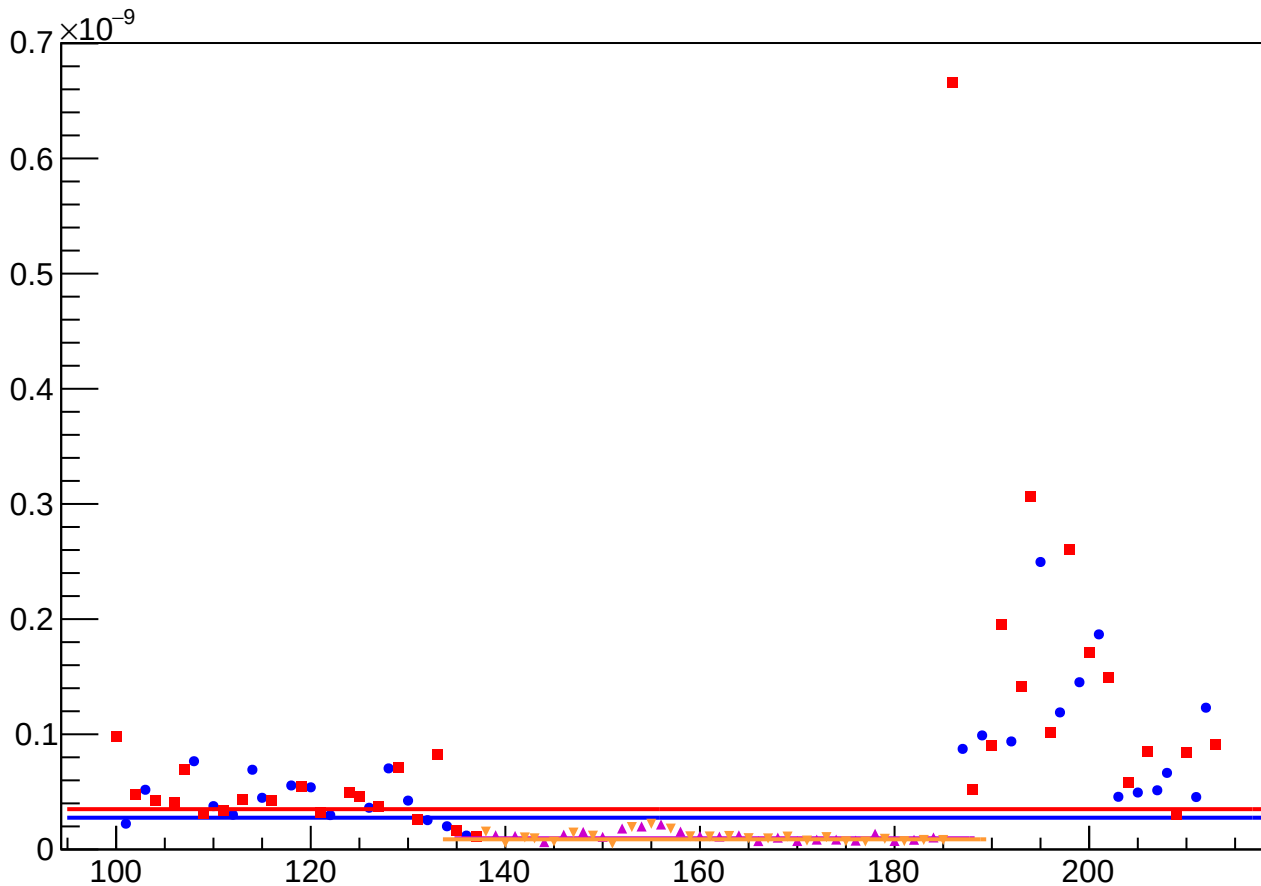
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.5/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 89.4/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/56

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8430260.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2517075.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8949229.4/33

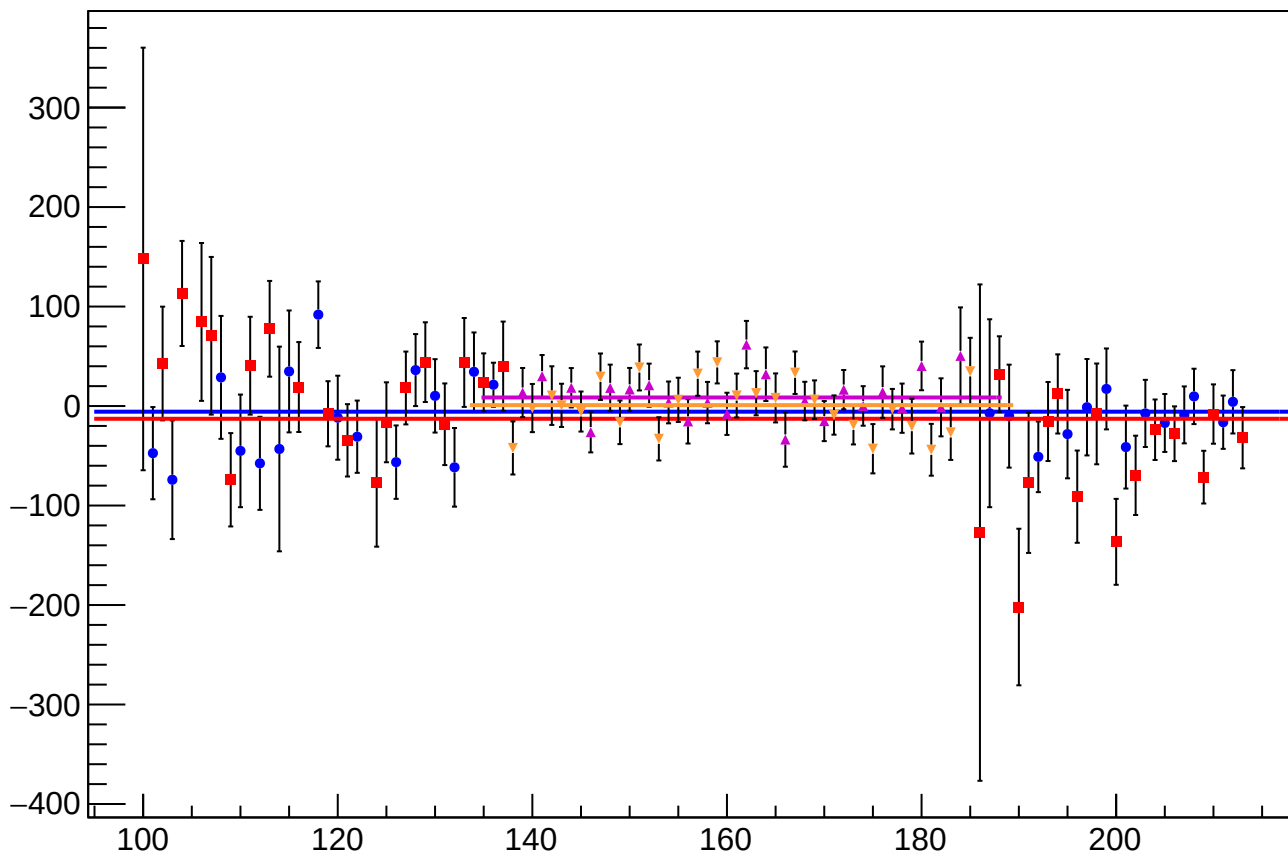
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2320113.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16331479.9/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34913843.5/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18418337.8/56

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.680 ± 7.028 χ^2/NDF : 25.3/28

Left Out: 0.917 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -12.802 ± 7.097 χ^2/NDF : 52.9/33

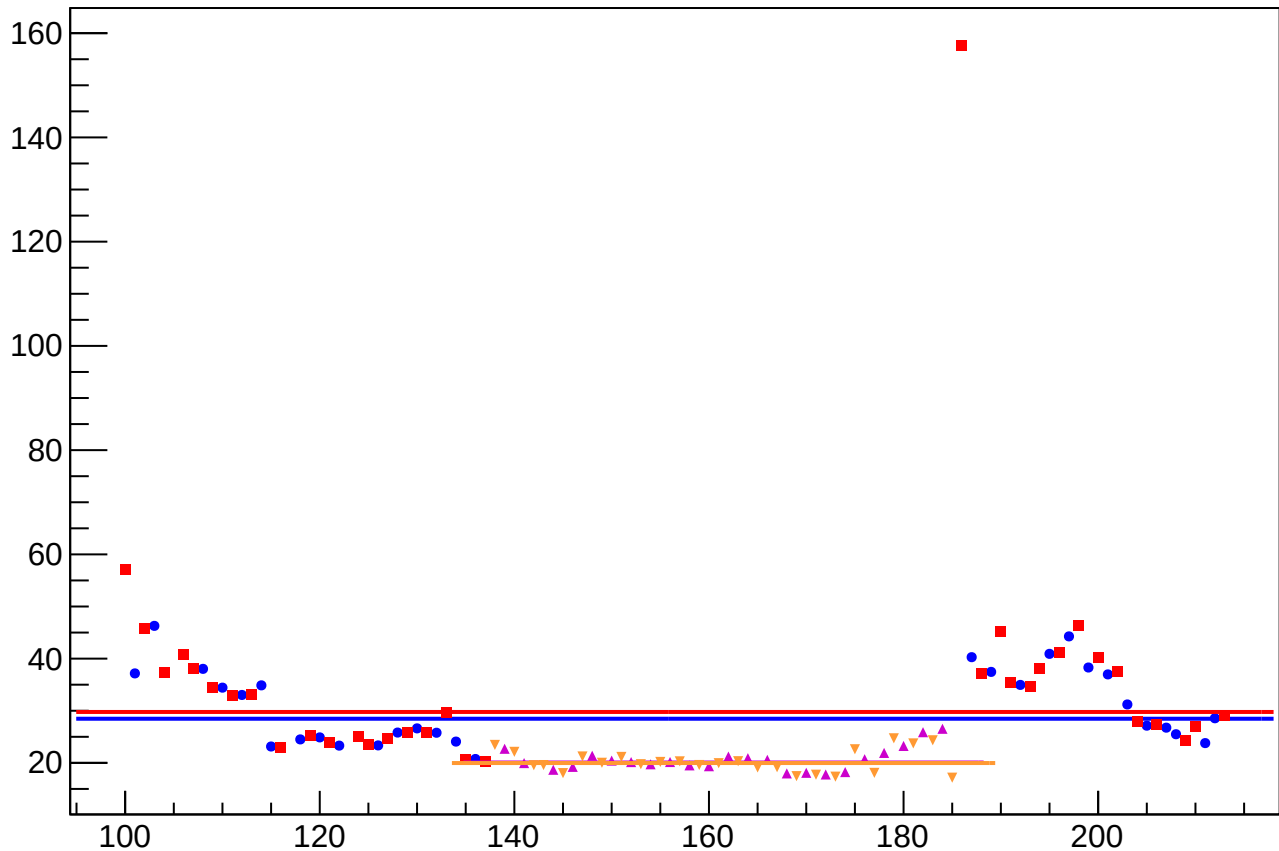
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -1.046 ± 3.834 χ^2/NDF : 55.2/53

All: 0.453 ± 2.745 χ^2/NDF : 134.1/110

- sign 2.031 ± 3.932 χ^2/NDF : 78.6/56

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.467 $\pm$ 0.005 χ^2 /NDF: 1611779.2/28

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 29.767 $\pm$ 0.005 χ^2 /NDF: 2350454.8/33

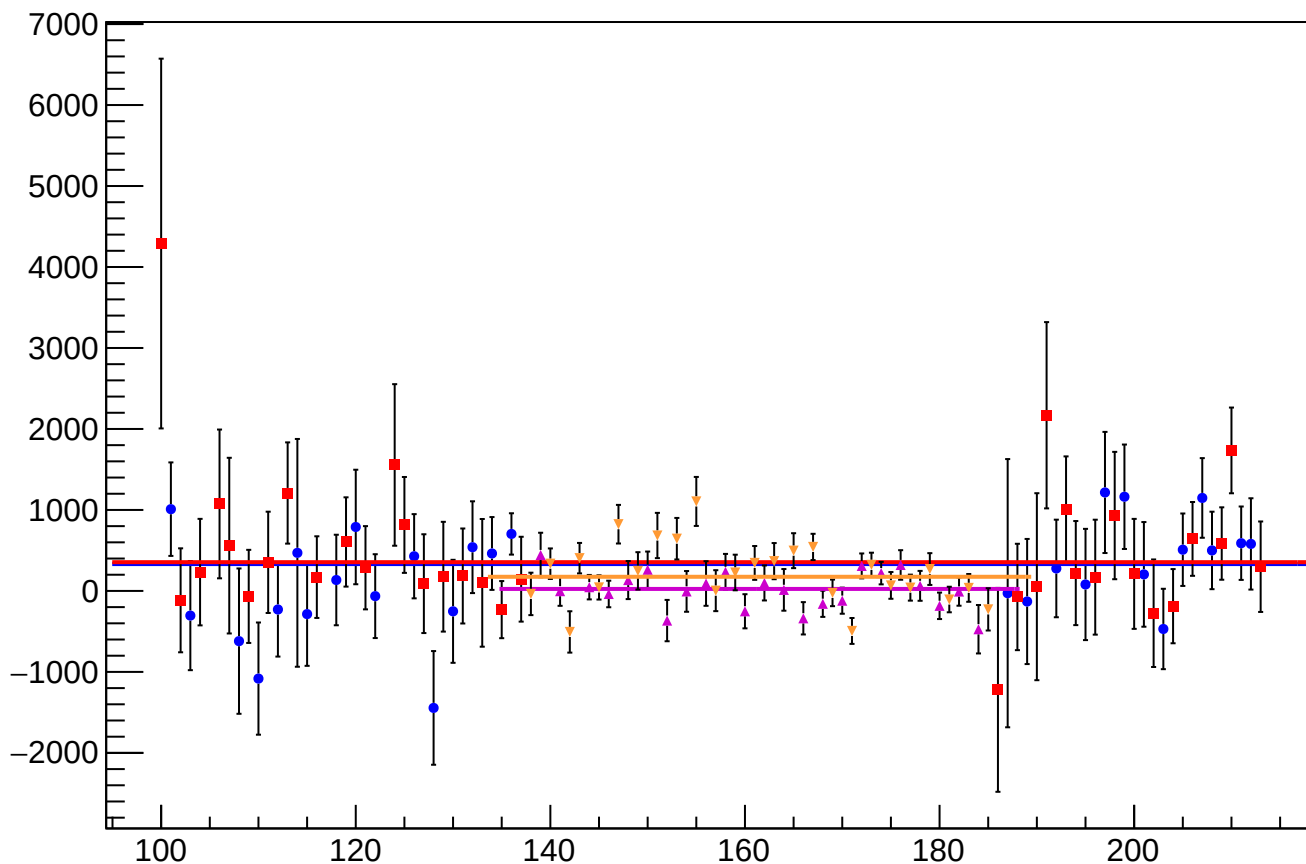
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 22.497 $\pm$ 0.003 χ^2 /NDF: 4052841.5/53

All: 22.766 $\pm$ 0.002 χ^2 /NDF: 9311155.7/110

- sign 23.048 $\pm$ 0.003 χ^2 /NDF: 5238180.3/56

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 331.588 ± 103.111 χ^2/NDF : 30.0/28

Left Out: 174.693 ± 39.049 χ^2/NDF : 71.2/24

Right Out: 355.057 ± 105.599 χ^2/NDF : 28.4/33

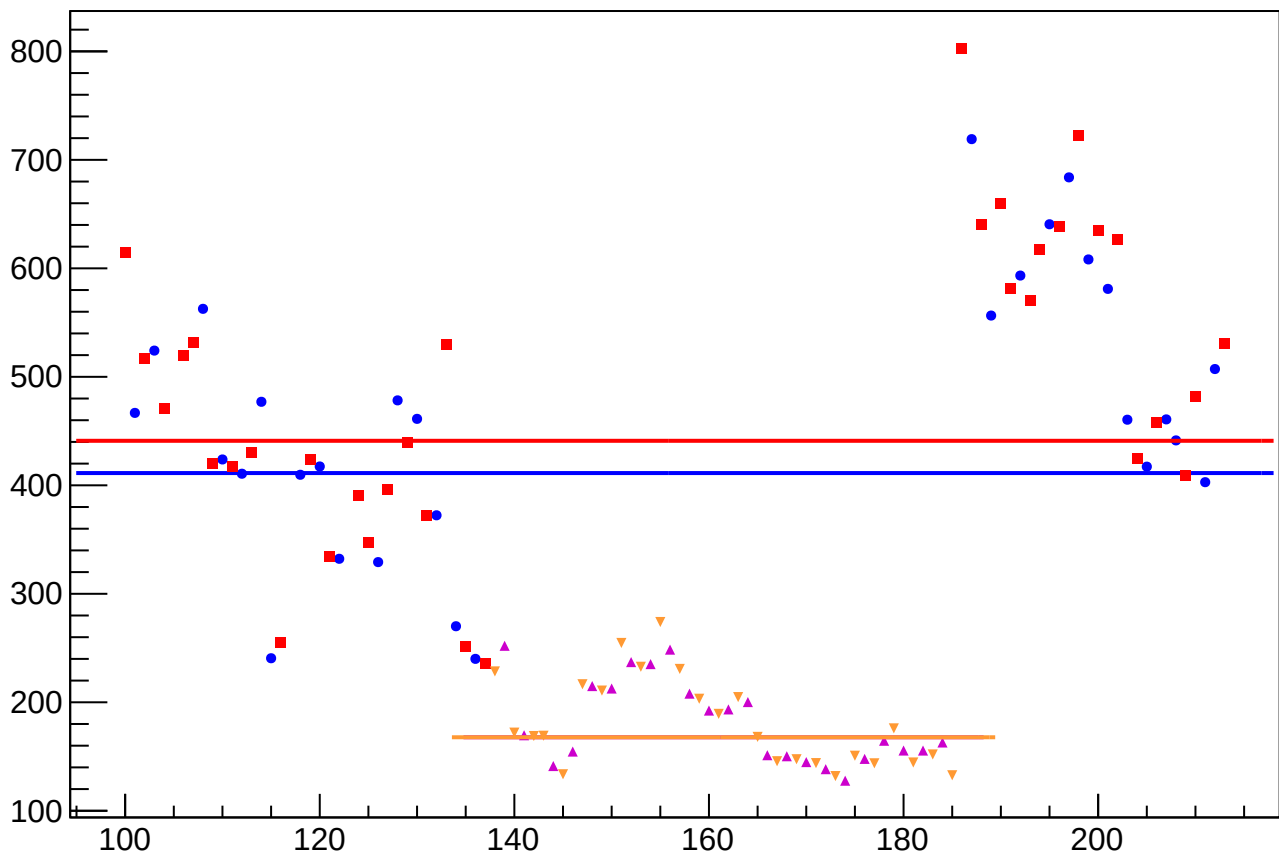
Left In: 24.589 ± 40.070 χ^2/NDF : 26.9/22

+ sign 194.372 ± 36.518 χ^2/NDF : 103.2/53

All: 131.916 ± 26.150 χ^2/NDF : 173.1/110

- sign 66.183 ± 37.464 χ^2/NDF : 63.9/56

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 411.297 ± 0.073 χ^2/NDF : 2755048.8/28

Left Out: 167.754 ± 0.028 χ^2/NDF : 1578232.9/24

Right Out: 441.035 ± 0.075 χ^2/NDF : 2931508.9/33

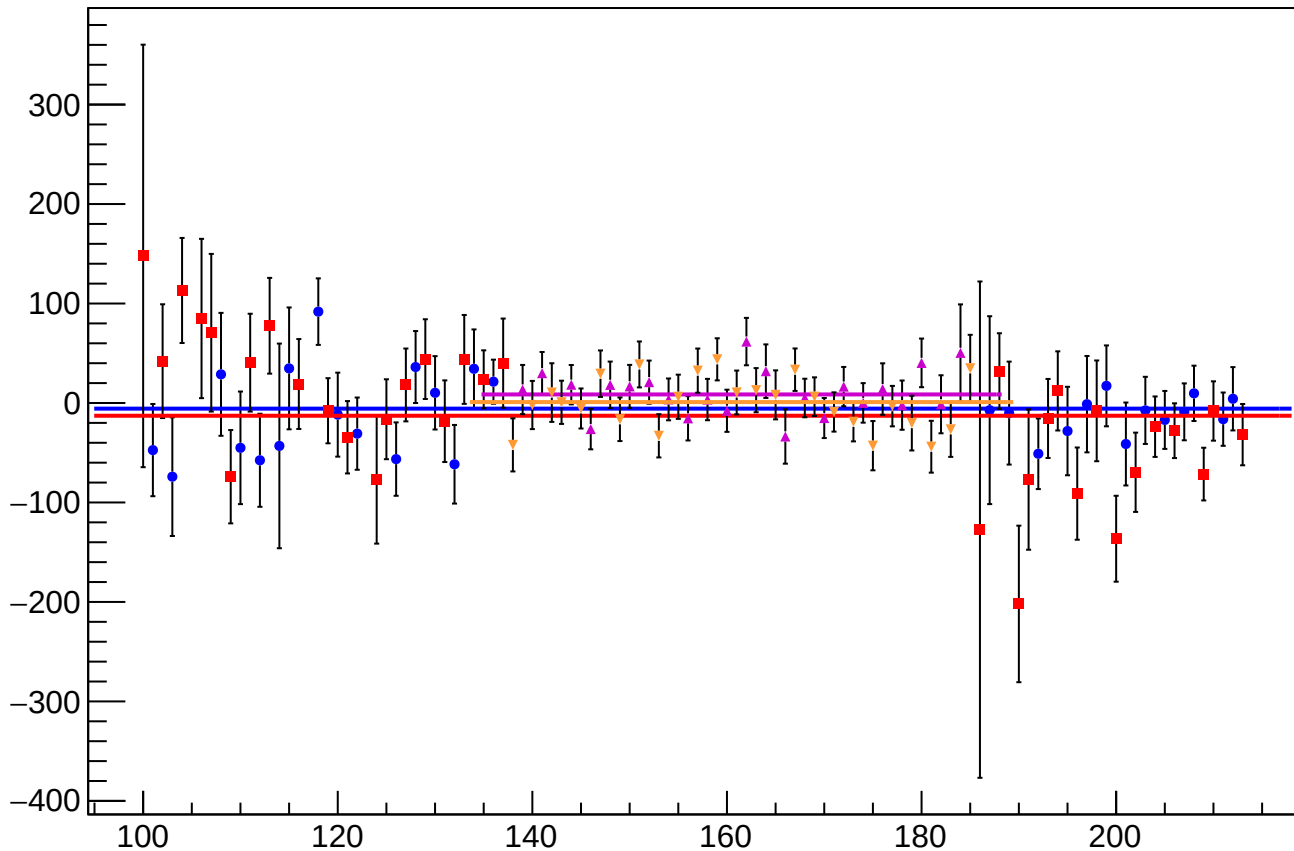
Left In: 167.748 ± 0.028 χ^2/NDF : 1403124.0/22

+ sign 198.302 ± 0.026 χ^2/NDF : 14091412.2/53

All: 200.175 ± 0.018 χ^2/NDF : 30145950.6/1

- sign 202.145 ± 0.026 χ^2/NDF : 16043748.0/56

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.678 ± 7.028 χ^2/NDF : 25.3/28

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -12.824 ± 7.098 χ^2/NDF : 52.9/33

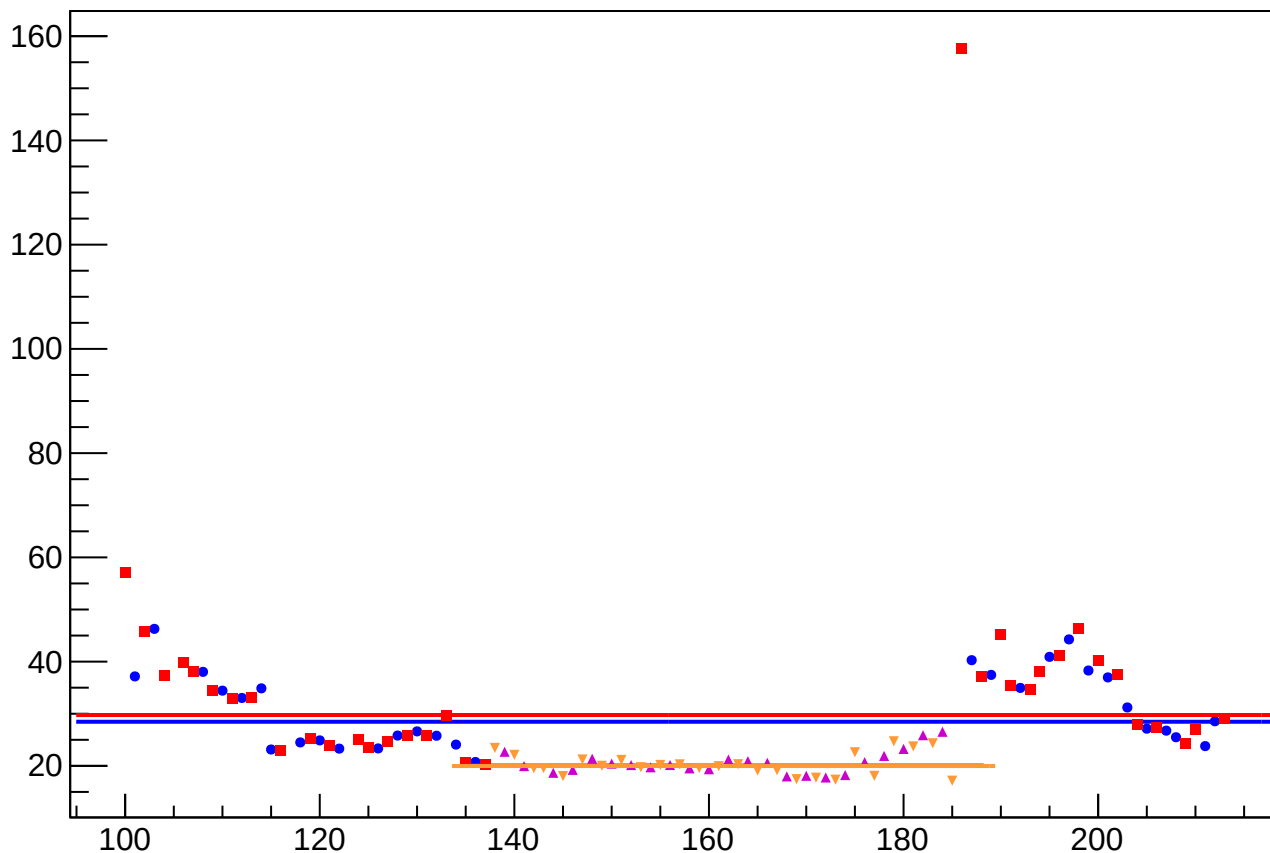
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -1.047 ± 3.834 χ^2/NDF : 55.2/53

All: 0.450 ± 2.745 χ^2/NDF : 134.0/110

- sign 2.025 ± 3.932 χ^2/NDF : 78.5/56

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.467 $\pm$ 0.005 χ^2 /NDF: 1611782.5/28

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 29.757 $\pm$ 0.005 χ^2 /NDF: 2342851.3/33

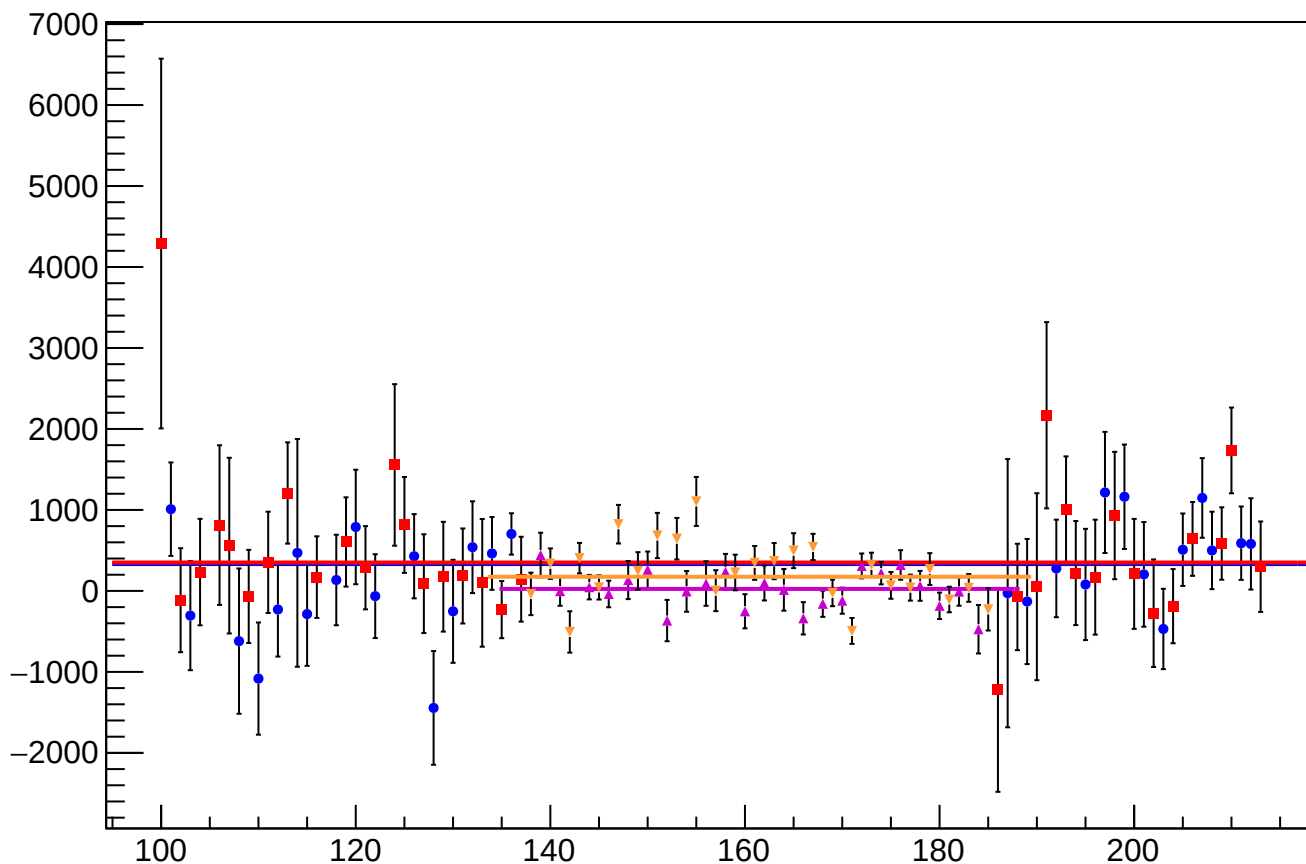
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 22.497 $\pm$ 0.003 χ^2 /NDF: 4052844.9/53

All: 22.764 $\pm$ 0.002 χ^2 /NDF: 9297661.7/110

- sign 23.045 $\pm$ 0.003 χ^2 /NDF: 5224932.0/56

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 331.585 $\pm$ 103.111 χ^2 /NDF: 30.0/28

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 350.855 $\pm$ 105.692 χ^2 /NDF: 28.0/33

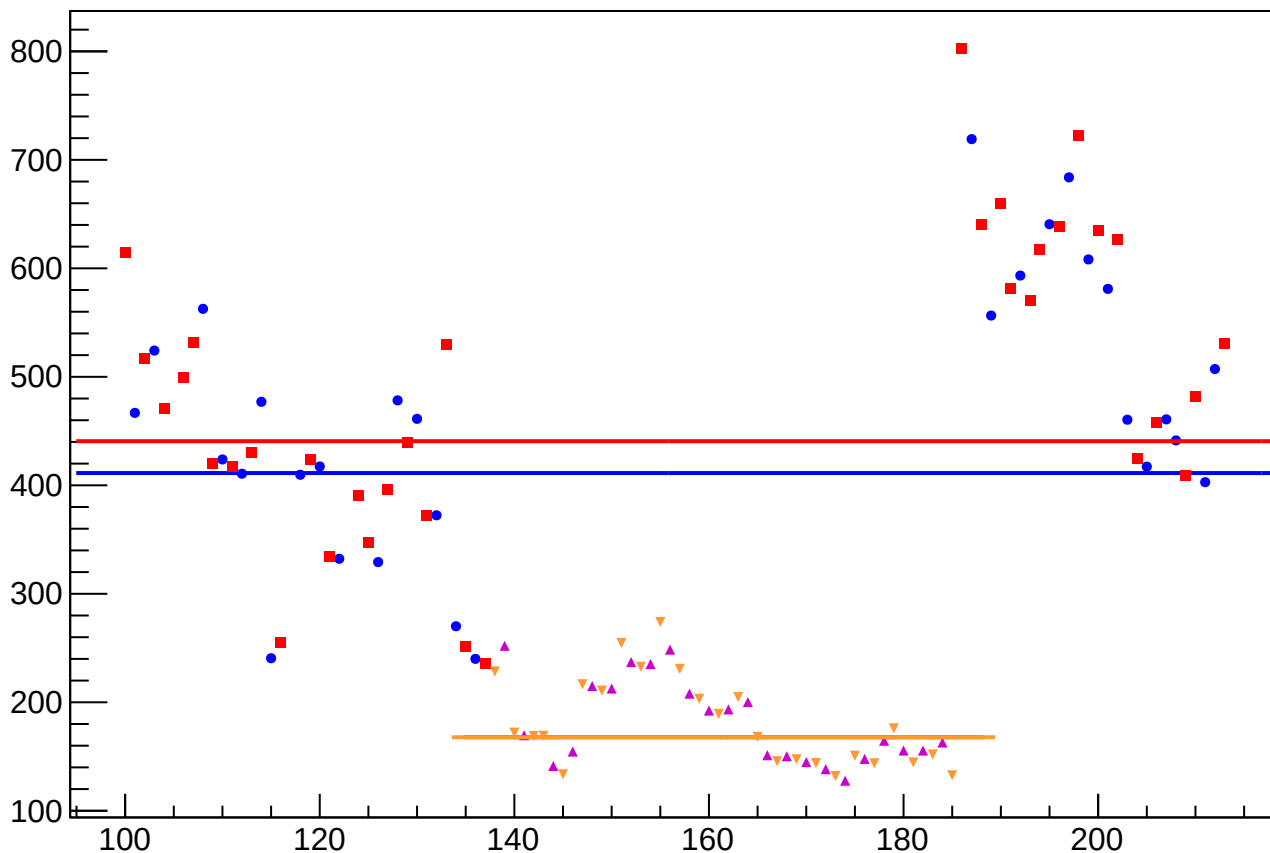
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 194.370 $\pm$ 36.518 χ^2 /NDF: 103.2/53

All: 131.634 $\pm$ 26.152 χ^2 /NDF: 172.5/110

- sign 65.592 $\pm$ 37.468 χ^2 /NDF: 63.2/56

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 411.297 ± 0.073 $\chi^2/\text{NDF}: 2755074.2/28$

Left Out: 167.754 ± 0.028 $\chi^2/\text{NDF}: 1578231.3/24$

Right Out: 440.668 ± 0.075 $\chi^2/\text{NDF}: 2923948.4/33$

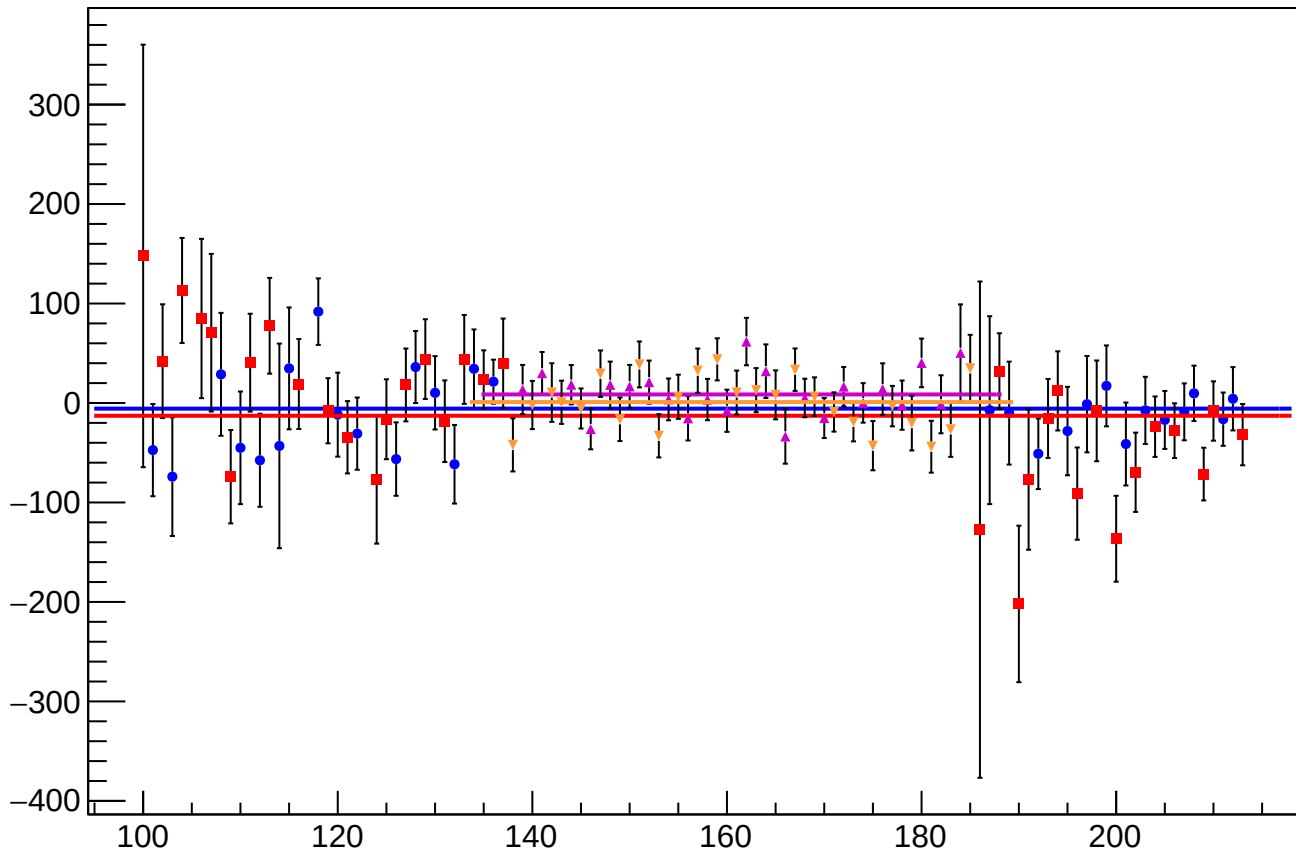
Left In: 167.748 ± 0.028 $\chi^2/\text{NDF}: 1403120.1/22$

+ sign 198.302 ± 0.026 $\chi^2/\text{NDF}: 14091437.9/53$

All: 200.126 ± 0.018 $\chi^2/\text{NDF}: 30088465.0/11$

- sign 202.046 ± 0.026 $\chi^2/\text{NDF}: 15986786.3/56$

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.678 ± 7.028 χ^2/NDF : 25.3/28

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: -12.824 ± 7.098 χ^2/NDF : 52.9/33

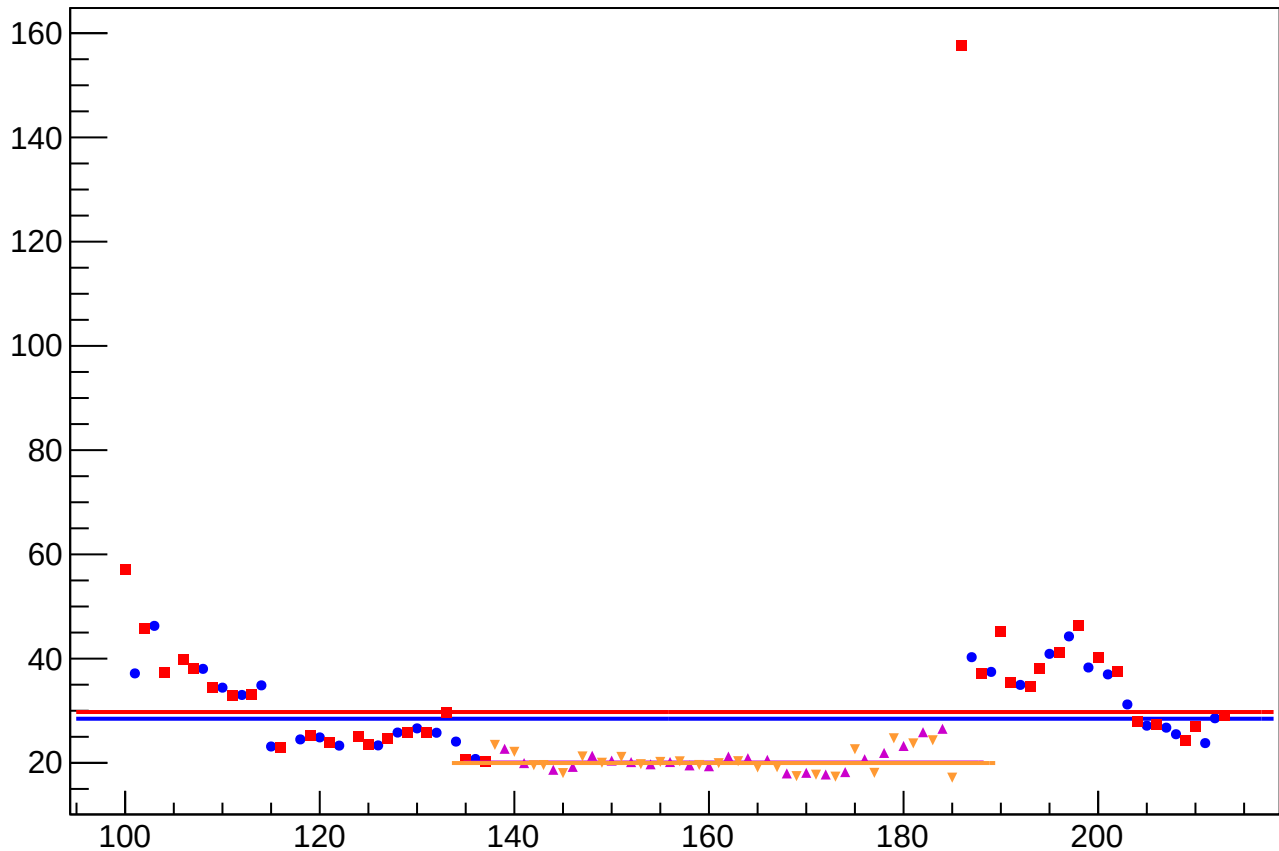
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign -1.047 ± 3.834 χ^2/NDF : 55.2/53

All: 0.450 ± 2.745 χ^2/NDF : 134.0/110

- sign 2.025 ± 3.932 χ^2/NDF : 78.5/56

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.467 $\pm$ 0.005 χ^2 /NDF: 1611782.5/28

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 29.757 $\pm$ 0.005 χ^2 /NDF: 2342851.3/33

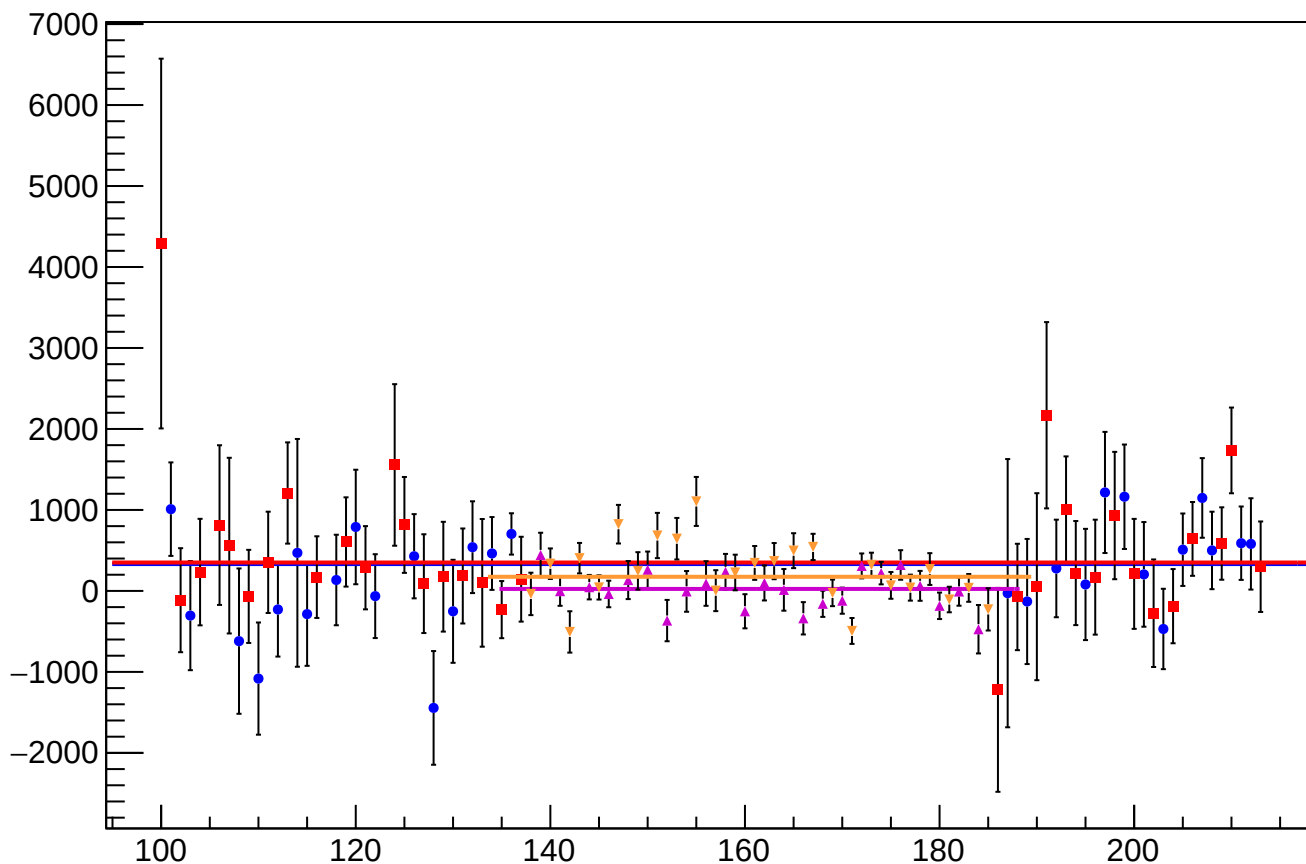
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 22.497 $\pm$ 0.003 χ^2 /NDF: 4052844.9/53

All: 22.764 $\pm$ 0.002 χ^2 /NDF: 9297661.7/110

- sign 23.045 $\pm$ 0.003 χ^2 /NDF: 5224932.0/56

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 331.585 $\pm$ 103.111 χ^2 /NDF: 30.0/28

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 350.855 $\pm$ 105.692 χ^2 /NDF: 28.0/33

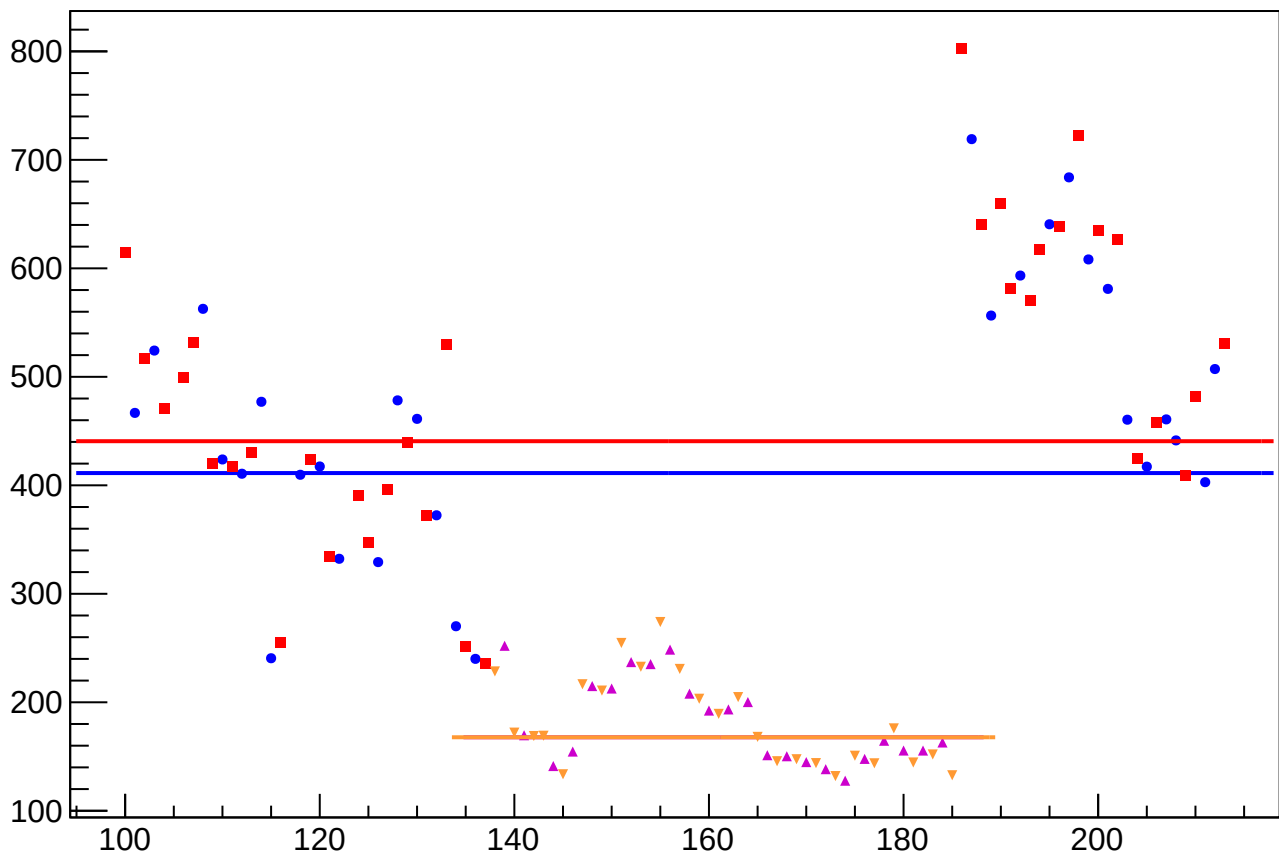
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 194.370 $\pm$ 36.518 χ^2 /NDF: 103.2/53

All: 131.634 $\pm$ 26.152 χ^2 /NDF: 172.5/110

- sign 65.592 $\pm$ 37.468 χ^2 /NDF: 63.2/56

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 411.297 $\pm$ 0.073 χ^2 /NDF: 2755074.2/28

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF:1578231.3/24

Right Out: 440.668 $\pm$ 0.075 χ^2 /NDF: 2923948.4/33

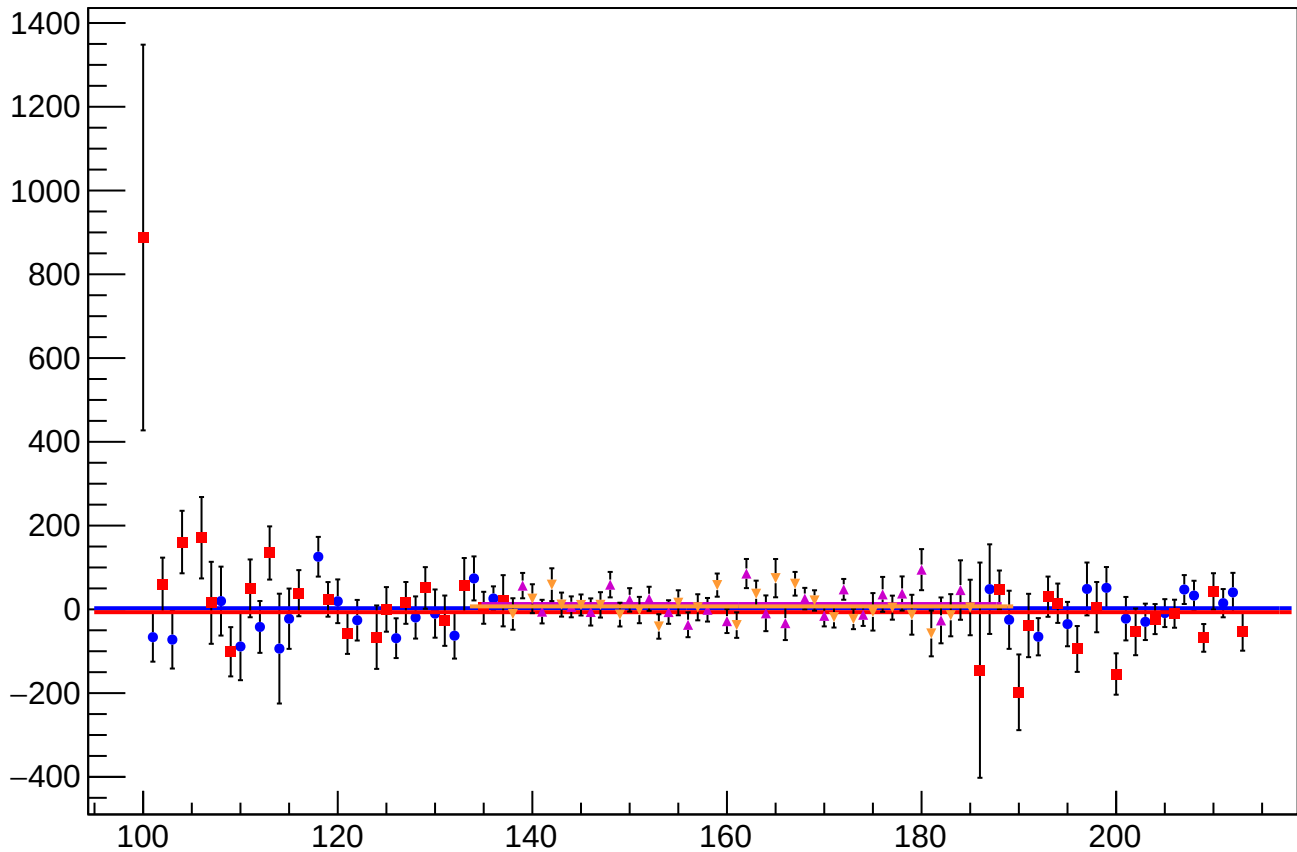
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF:1403120.1/22

+ sign 198.302 $\pm$ 0.026 χ^2 /NDF: 14091437.9/53

All: 200.126 $\pm$ 0.018 χ^2 /NDF: 30088465.0/1

- sign 202.046 $\pm$ 0.026 χ^2 /NDF: 15986786.3/56

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 2.699 ± 9.065 χ^2/NDF : 27.5/28

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: -6.754 ± 9.084 χ^2/NDF : 52.6/33

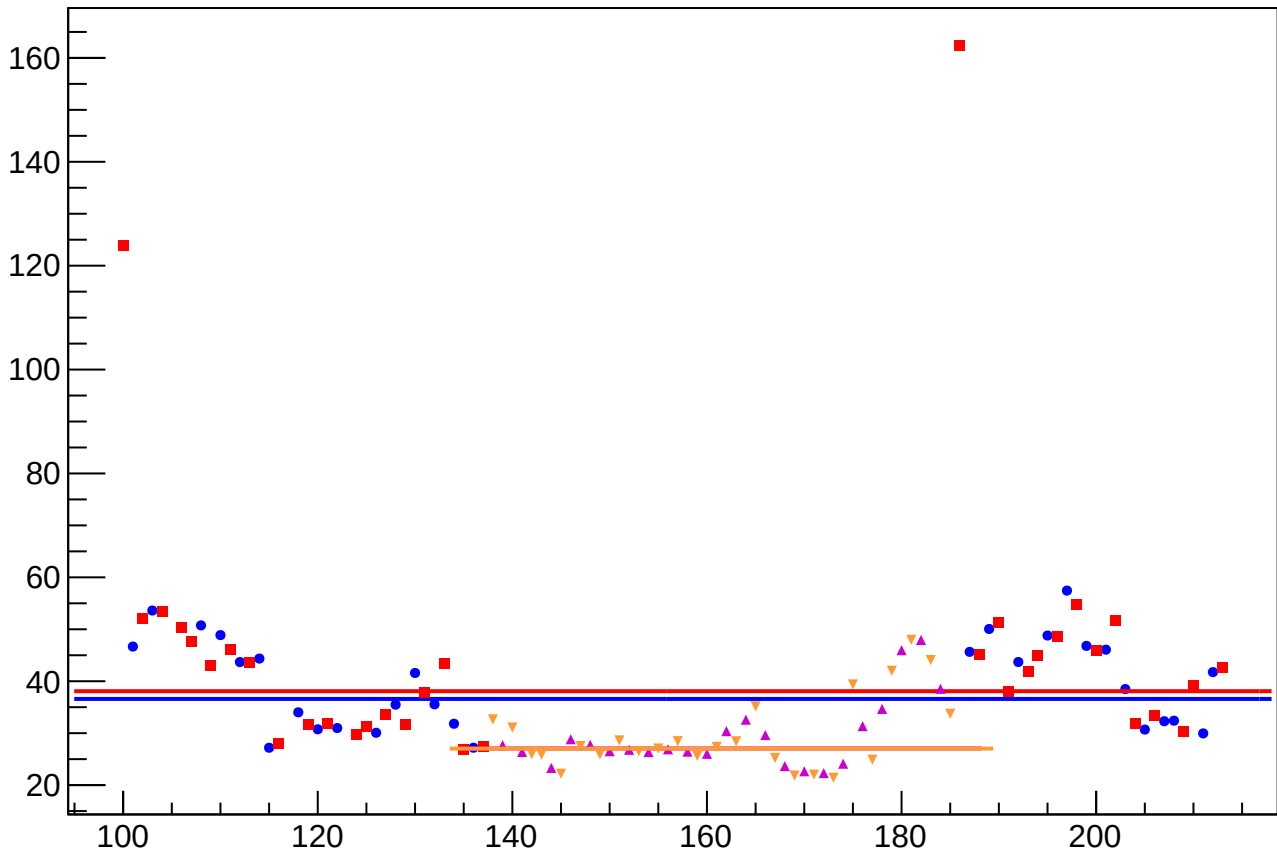
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 5.643 ± 5.192 χ^2/NDF : 50.3/53

All: 5.863 ± 3.706 χ^2/NDF : 131.6/110

- sign 6.092 ± 5.293 χ^2/NDF : 81.2/56

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.592 $\pm$ 0.006 χ^2 /NDF: 1536404.2/28

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF: 1430523.7/24

Right Out: 38.084 $\pm$ 0.006 χ^2 /NDF: 2096793.1/33

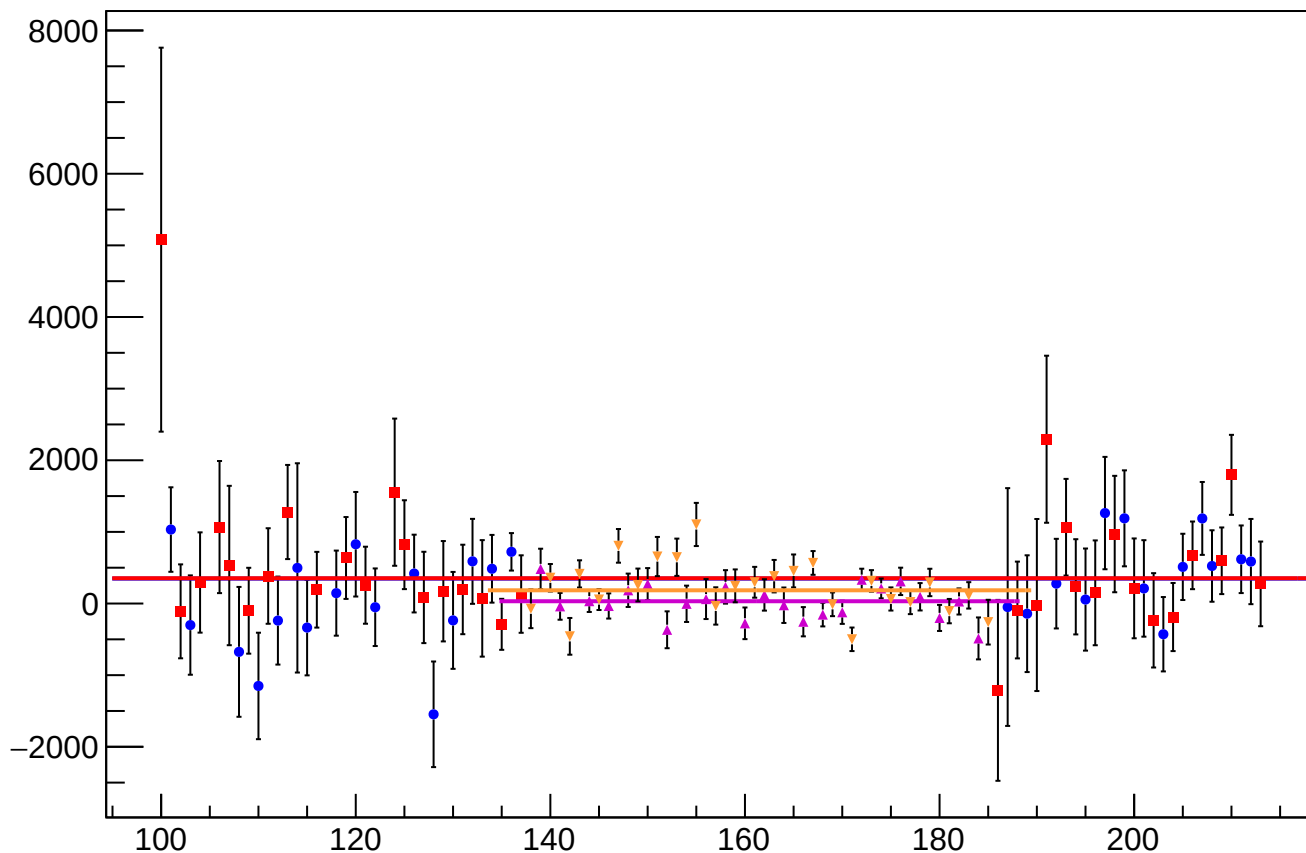
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF: 1044359.4/22

+ sign 30.164 $\pm$ 0.004 χ^2 /NDF: 4463412.5/53

All: 30.475 $\pm$ 0.003 χ^2 /NDF: 9567233.7/110

- sign 30.798 $\pm$ 0.004 χ^2 /NDF: 5089191.4/56

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 347.787 ± 107.301 χ^2/NDF : 29.6/28

Left Out: 184.675 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 352.996 ± 109.485 χ^2/NDF : 29.2/33

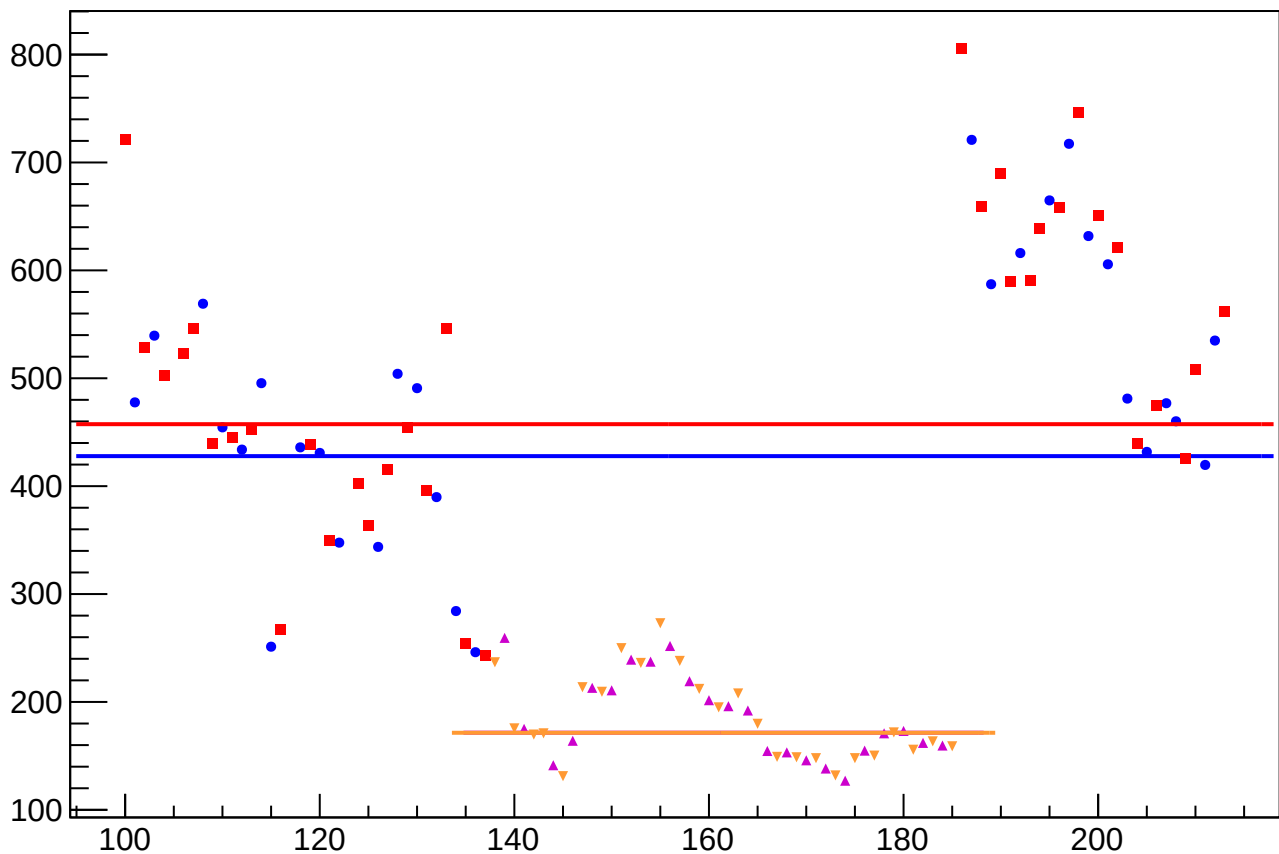
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 204.430 ± 37.342 χ^2/NDF : 99.3/53

All: 139.701 ± 26.763 χ^2/NDF : 168.5/110

- sign 71.341 ± 38.375 χ^2/NDF : 63.1/56

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 427.834+/-0.076 χ^2/NDF : 2802804.6/28

Left Out: 171.427+/-0.028 χ^2/NDF :1526852.0/24

Right Out: 457.446+/-0.077 χ^2/NDF : 2919294.8/33

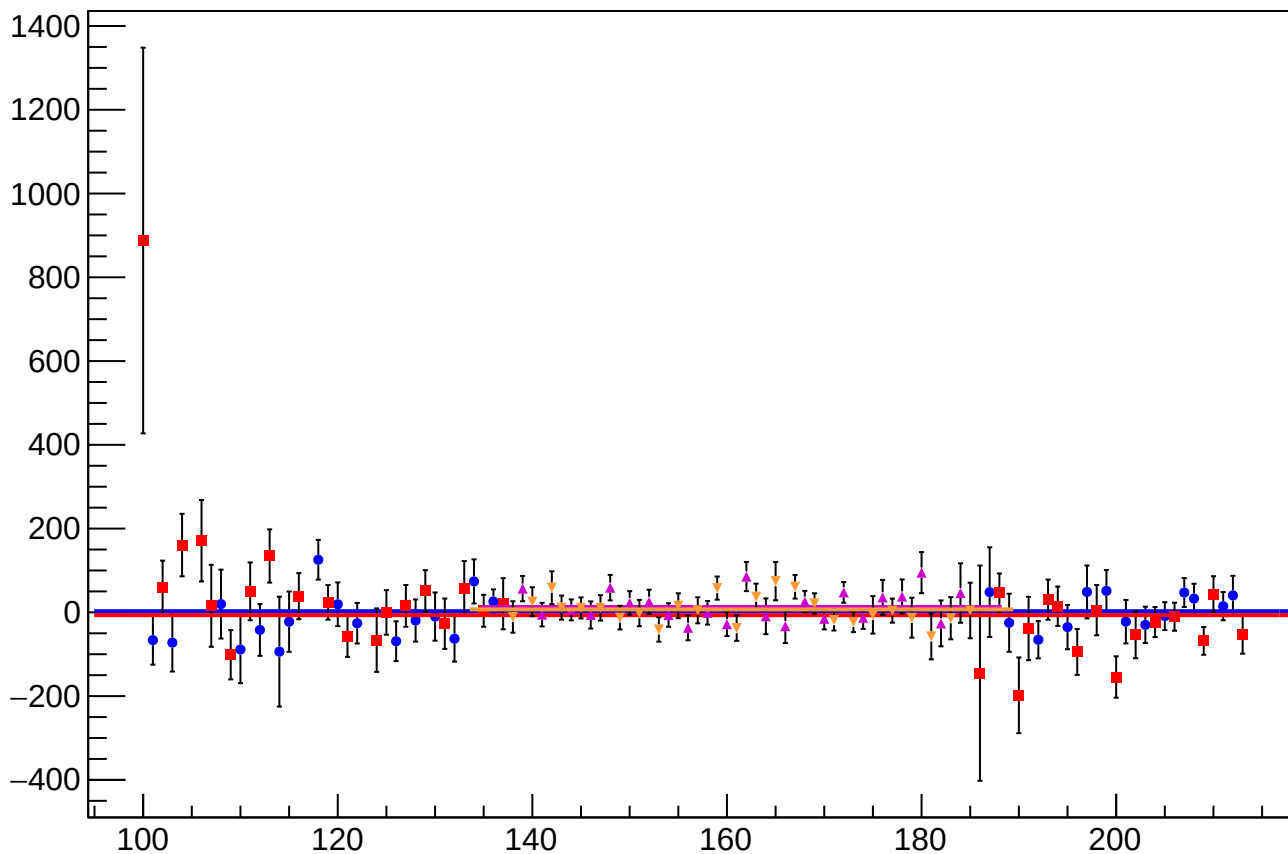
Left In: 171.490+/-0.029 χ^2/NDF :1415769.4/22

+ sign 202.481+/-0.026 χ^2/NDF : 14366998.7/53

All: 204.495+/-0.019 χ^2/NDF : 30681207.1/11

- sign 206.622+/-0.027 χ^2/NDF : 16302250.2/56

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 2.698 ± 9.065 χ^2/NDF : 27.5/28

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: -6.754 ± 9.084 χ^2/NDF : 52.6/33

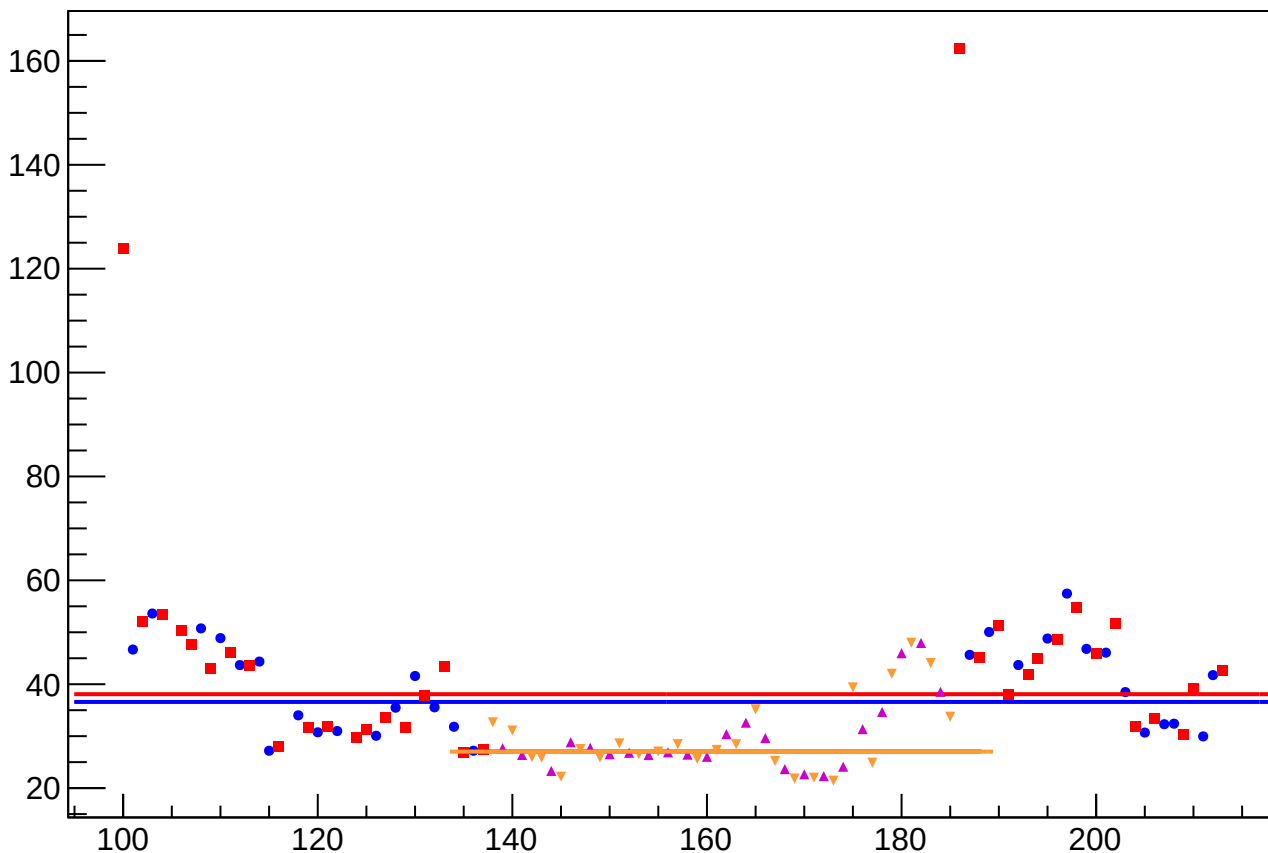
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 5.642 ± 5.192 χ^2/NDF : 50.3/53

All: 5.863 ± 3.706 χ^2/NDF : 131.6/110

- sign 6.092 ± 5.293 χ^2/NDF : 81.2/56

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.592 $\pm$ 0.006 χ^2 /NDF: 1536382.3/28

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF: 1430534.9/24

Right Out: 38.084 $\pm$ 0.006 χ^2 /NDF: 2096769.9/33

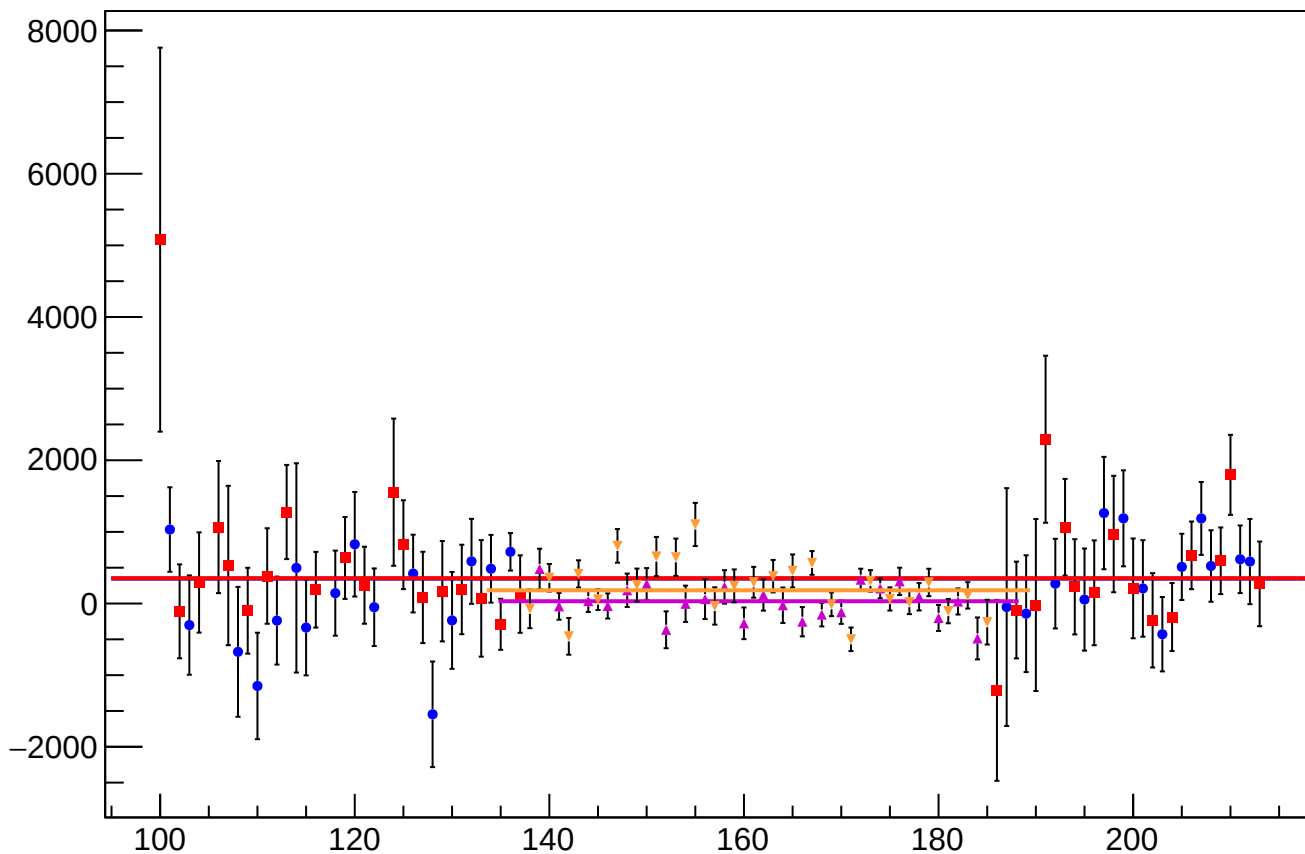
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF: 1044338.2/22

+ sign 30.164 $\pm$ 0.004 χ^2 /NDF: 4463317.1/53

All: 30.475 $\pm$ 0.003 χ^2 /NDF: 9567038.4/110

- sign 30.798 $\pm$ 0.004 χ^2 /NDF: 5089091.6/56

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 347.784 $\pm$ 107.300 χ^2 /NDF: 29.6/28

Left Out: 184.674 $\pm$ 39.832 χ^2 /NDF:67.7/24

Right Out: 352.995 $\pm$ 109.485 χ^2 /NDF: 29.2/33

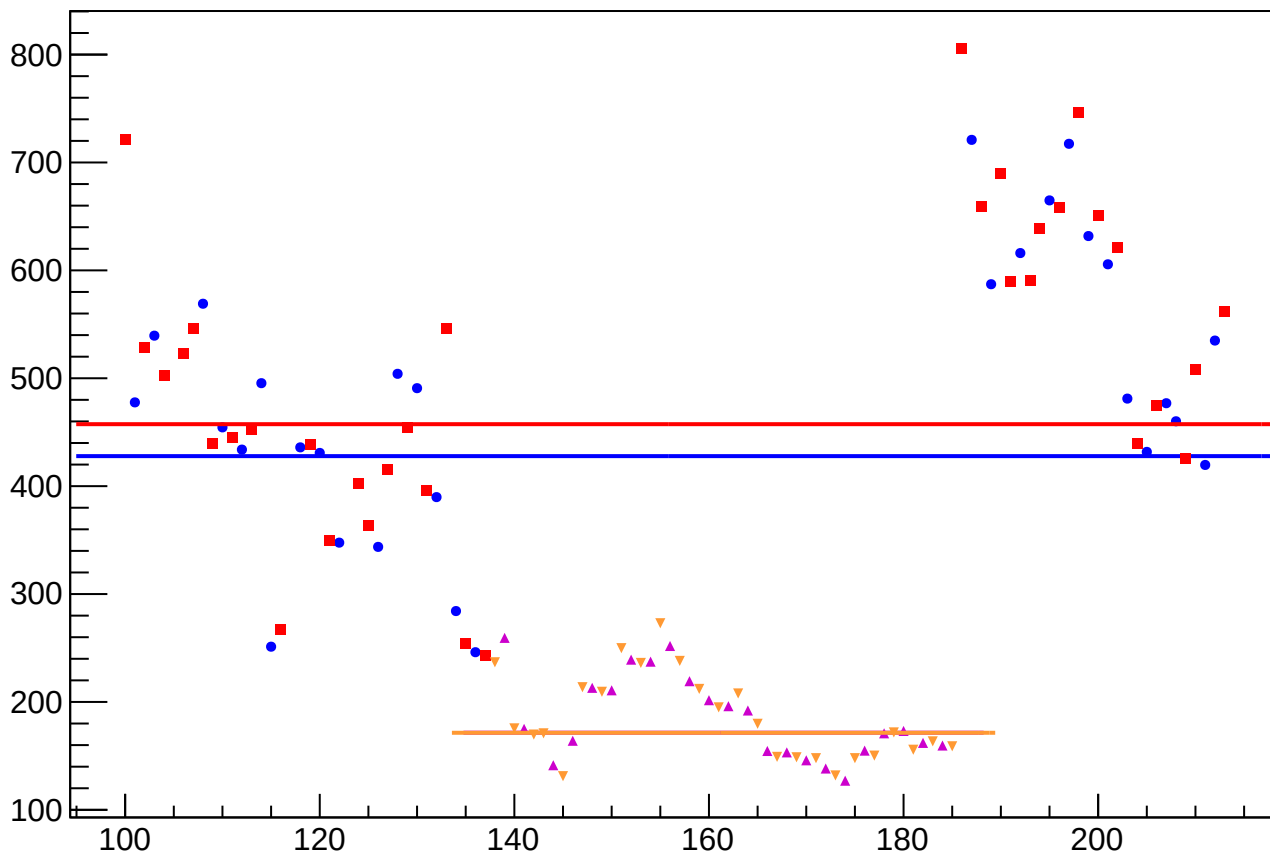
Left In: 31.891 $\pm$ 40.975 χ^2 /NDF:26.4/22

+ sign 204.429 $\pm$ 37.342 χ^2 /NDF: 99.3/53

All: 139.701 $\pm$ 26.763 χ^2 /NDF: 168.5/110

- sign 71.341 $\pm$ 38.375 χ^2 /NDF: 63.1/56

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 427.833+/-0.076 χ^2/NDF : 2802813.2/28

Left Out: 171.426+/-0.028 χ^2/NDF :1526868.9/24

Right Out: 457.446+/-0.077 χ^2/NDF : 2919306.3/33

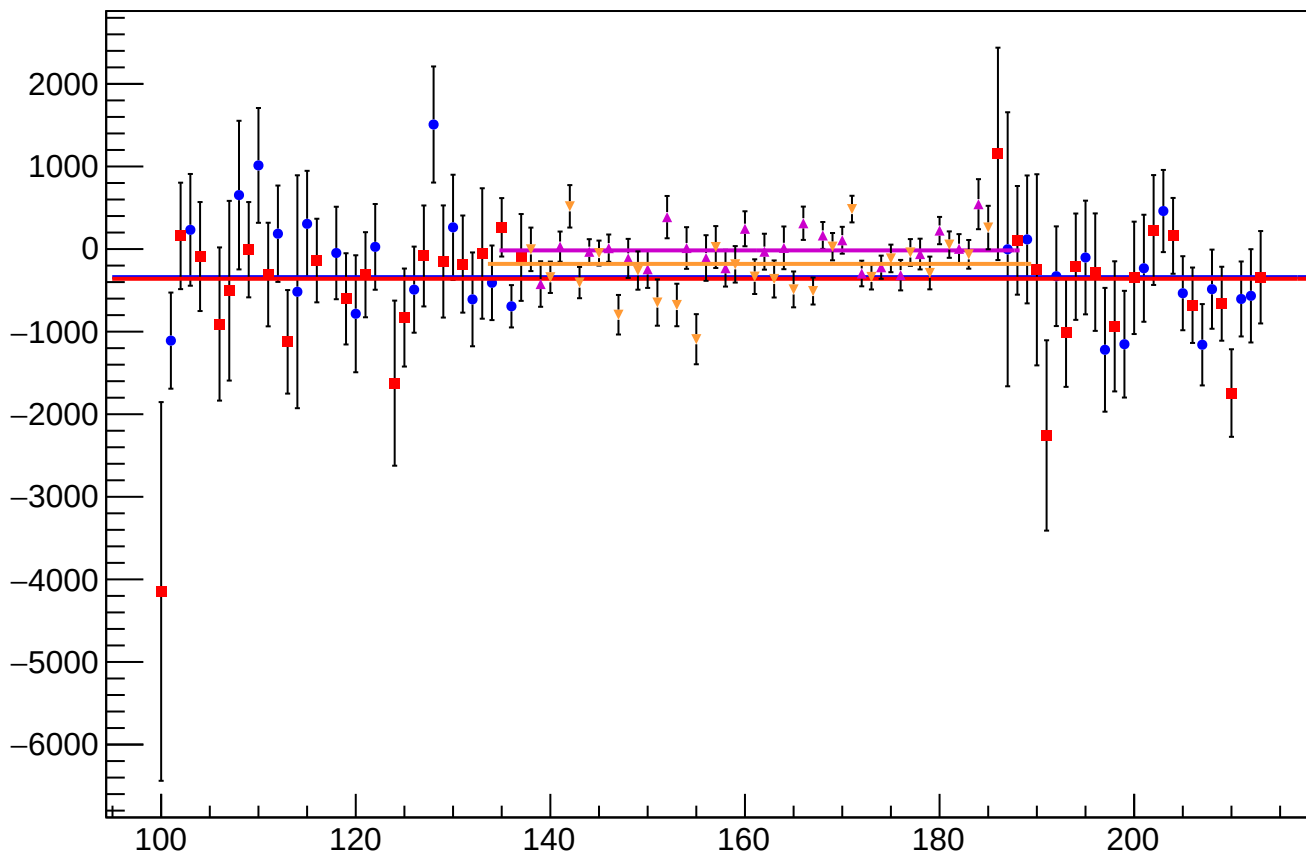
Left In: 171.489+/-0.029 χ^2/NDF :1415782.1/22

+ sign 202.480+/-0.026 χ^2/NDF : 14367046.3/53

All: 204.494+/-0.019 χ^2/NDF : 30681314.6/11

- sign 206.621+/-0.027 χ^2/NDF : 16302310.7/56

asym_sam_1357_2468_dd_mean vs Slug



Right In: -340.105 ± 103.411 χ^2/NDF : 30.1/28

Left Out: -179.656 ± 39.364 χ^2/NDF : 67.1/24

Right Out: -359.814 ± 105.895 χ^2/NDF : 28.3/33

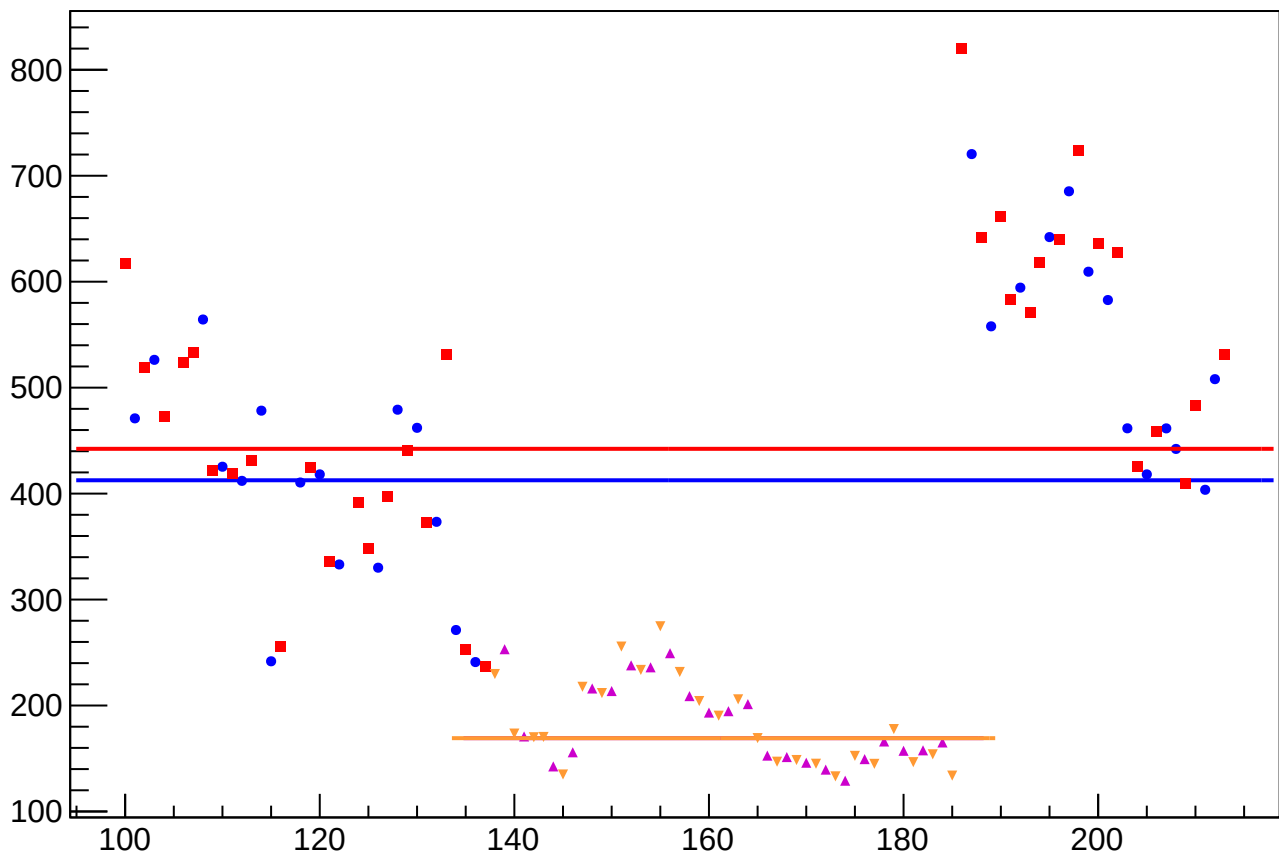
Left In: -16.057 ± 40.396 χ^2/NDF : 26.6/22

+ sign -199.962 ± 36.788 χ^2/NDF : 99.3/53

All: -131.640 ± 26.344 χ^2/NDF : 170.5/110

- sign -59.726 ± 37.743 χ^2/NDF : 64.1/56

asym_sam_1357_2468_dd_rms vs Slug



Right In: 412.582 $\pm$ 0.073 χ^2 /NDF: 2744862.4/28

Left Out: 169.182 $\pm$ 0.028 χ^2 /NDF:1547748.9/24

Right Out: 442.266 $\pm$ 0.075 χ^2 /NDF: 2930862.1/33

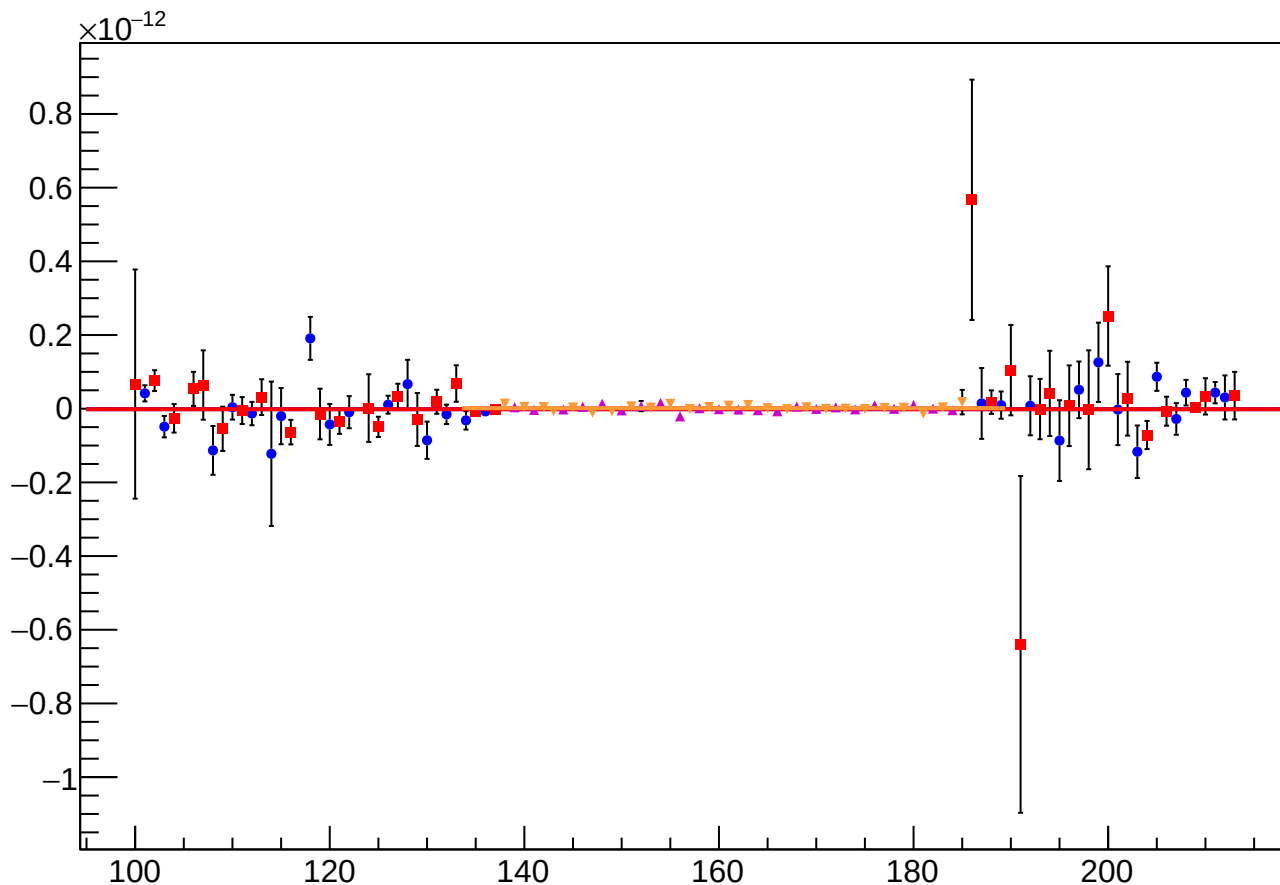
Left In: 169.187 $\pm$ 0.029 χ^2 /NDF:1374439.5/22

+ sign 199.986 $\pm$ 0.026 χ^2 /NDF: 13970286.0/53

All: 201.882 $\pm$ 0.019 χ^2 /NDF: 29896989.2/11

- sign 203.878 $\pm$ 0.027 χ^2 /NDF: 15915797.4/56

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.2/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.7/33

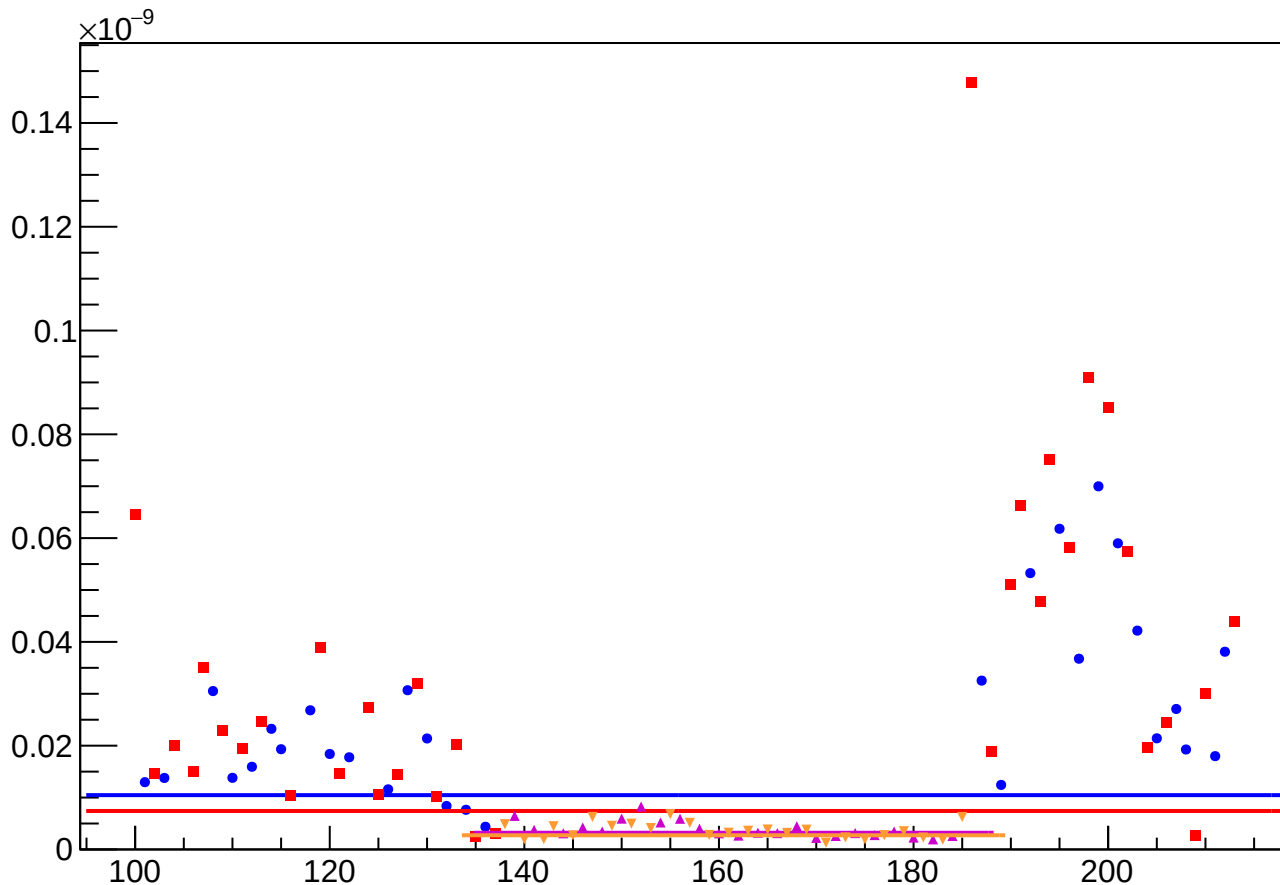
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.3/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 120.0/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 57.7/56

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 6349891.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1923193.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9832361.0/33

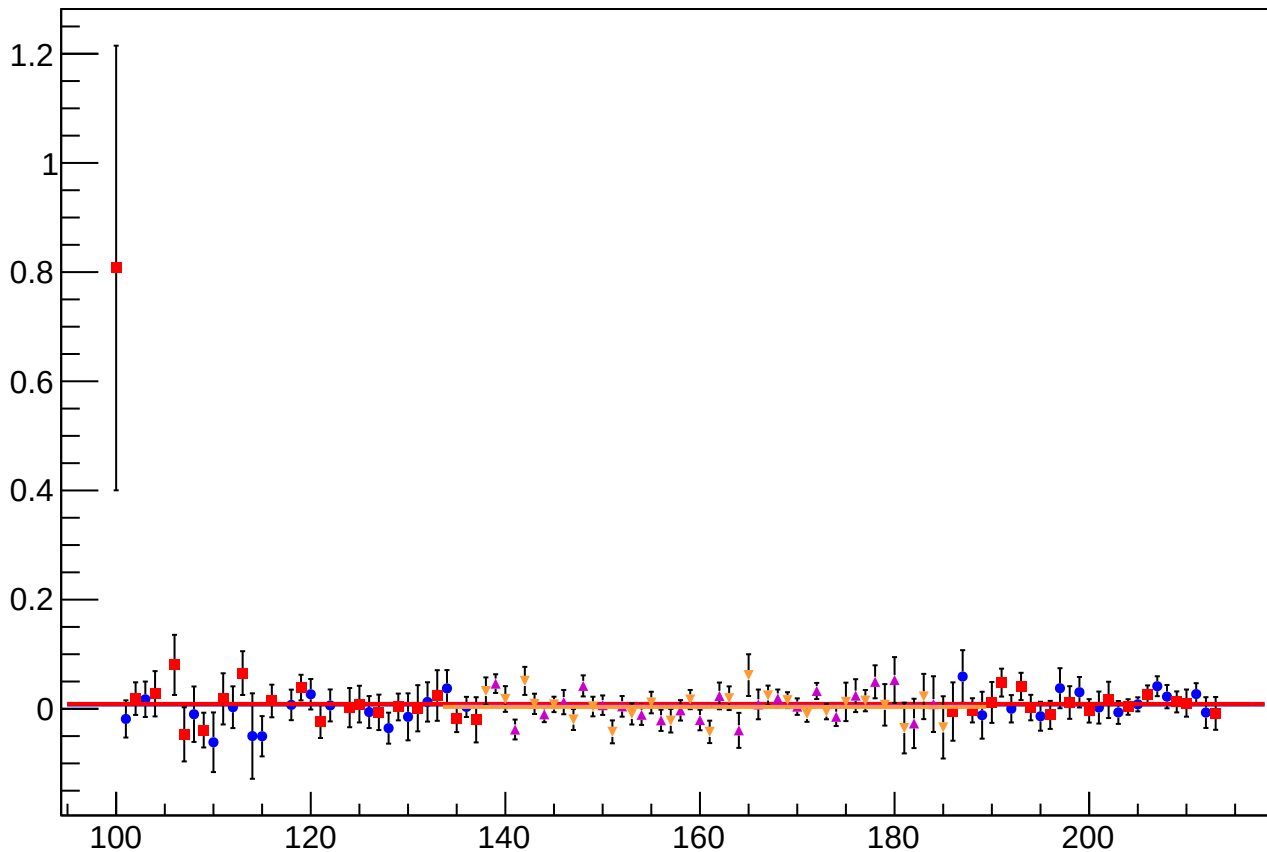
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1355602.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 12385922.2/53

All: 0.000 $\pm$ 0.000 χ^2/NDF : 25277763.0/110

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 12750539.1/56

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.005 χ^2 /NDF: 18.5/28

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.009 $\pm$ 0.005 χ^2 /NDF: 23.3/33

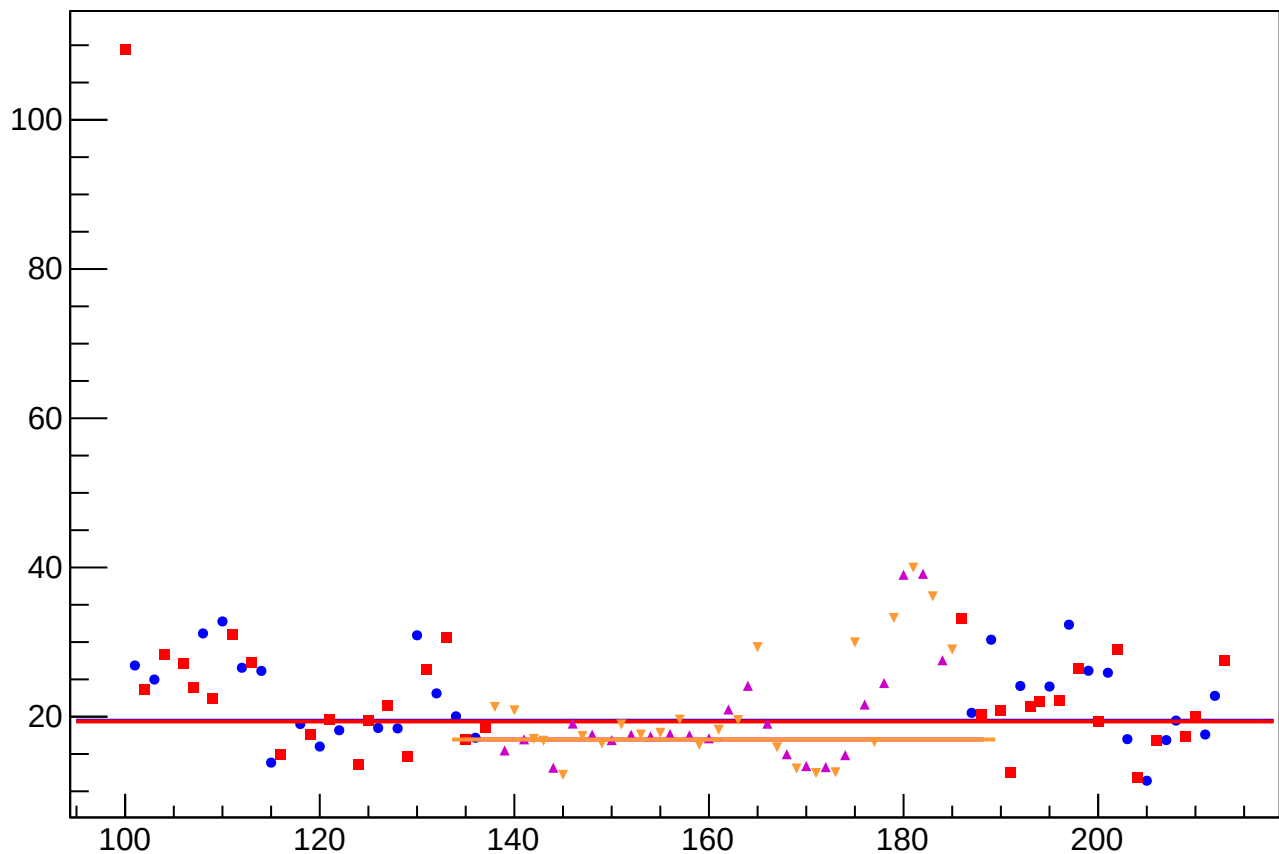
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.005 $\pm$ 0.003 χ^2 /NDF: 46.0/53

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 102.9/110

- sign 0.007 $\pm$ 0.003 χ^2 /NDF: 56.8/56

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.460 $\pm$ 0.004 χ^2 /NDF: 2346733.3/28

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.363 $\pm$ 0.003 χ^2 /NDF: 2286696.9/33

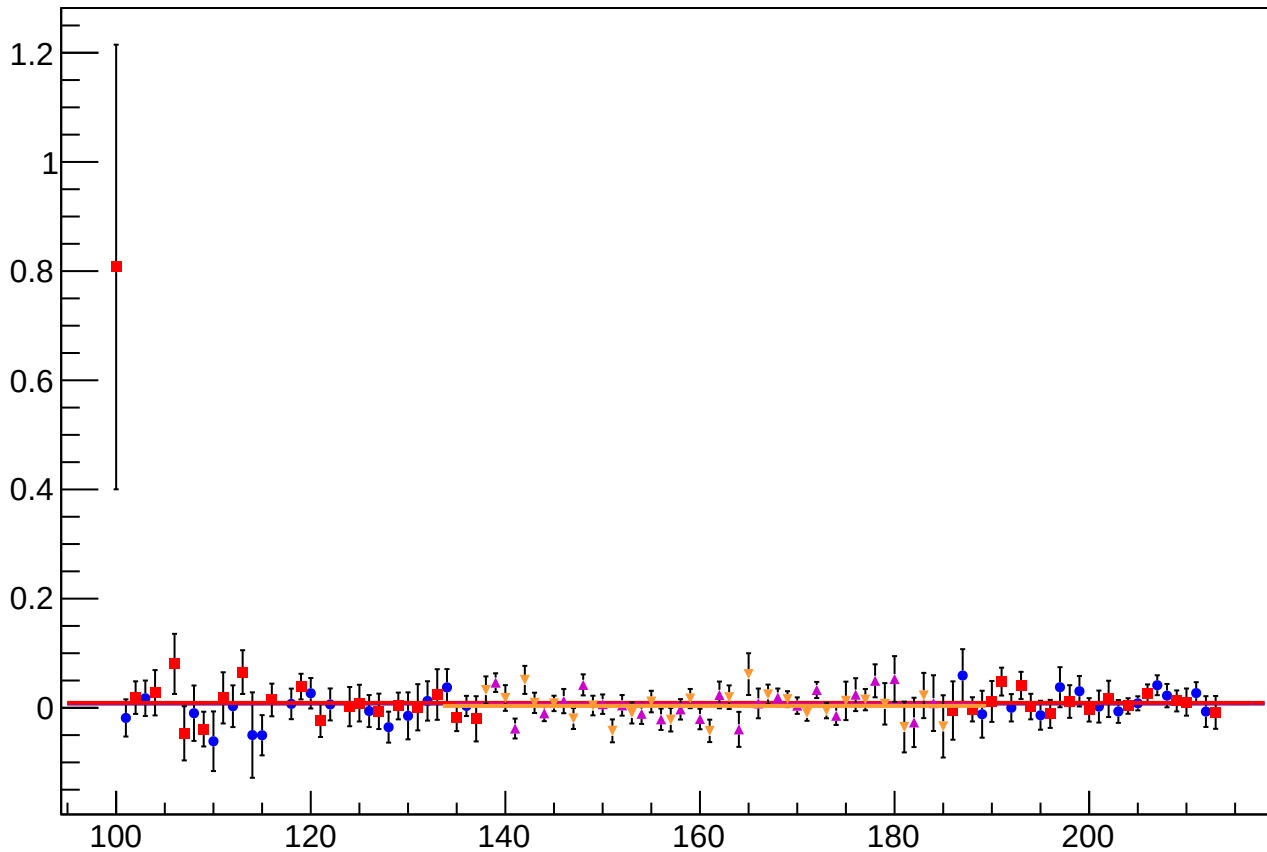
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.947 $\pm$ 0.002 χ^2 /NDF: 5487350.9/53

All: 17.970 $\pm$ 0.002 χ^2 /NDF: 10005385.0/110

- sign 17.993 $\pm$ 0.002 χ^2 /NDF: 4517823.8/56

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.005 χ^2 /NDF: 18.5/28

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.009 $\pm$ 0.005 χ^2 /NDF: 23.3/33

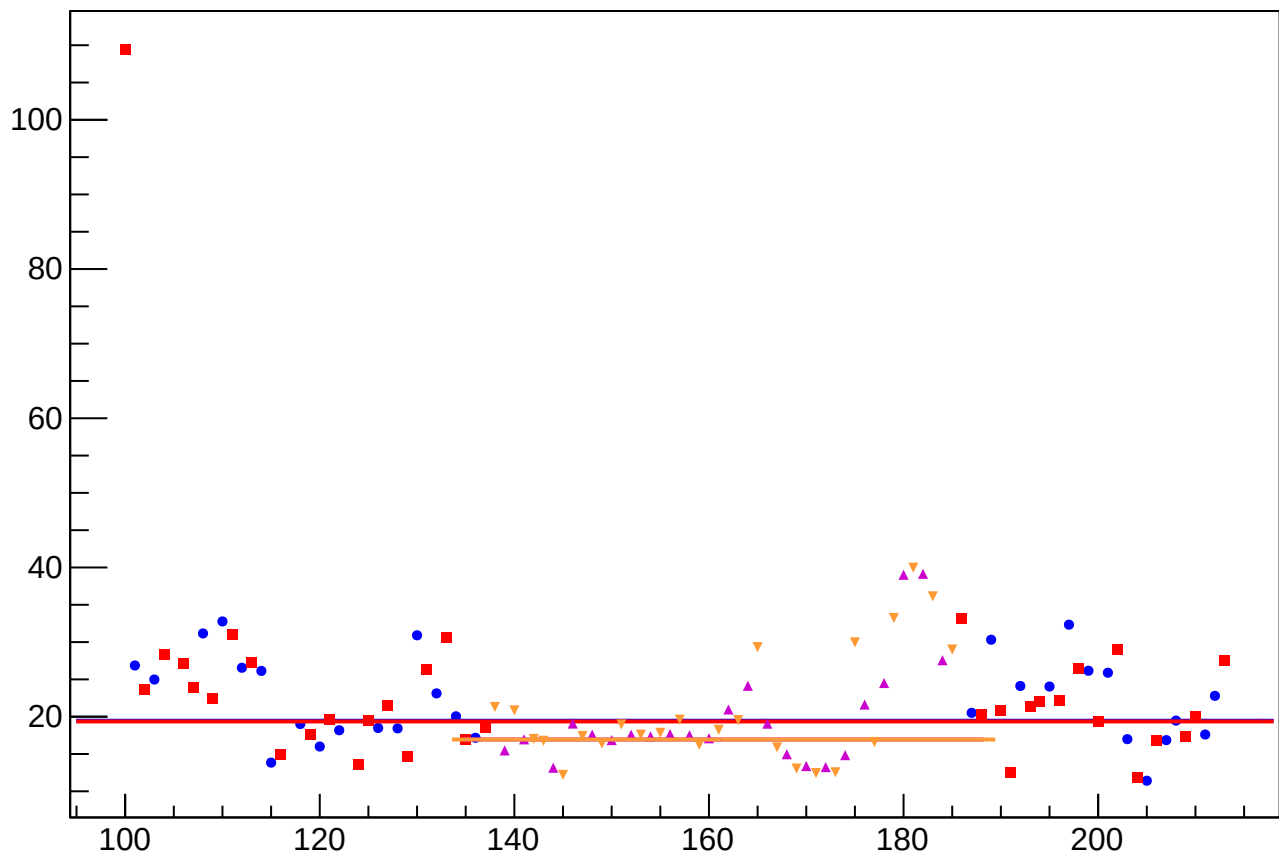
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.005 $\pm$ 0.003 χ^2 /NDF: 46.0/53

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 102.9/110

- sign 0.007 $\pm$ 0.003 χ^2 /NDF: 56.8/56

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.460 $\pm$ 0.004 χ^2 /NDF: 2346733.3/28

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 19.363 $\pm$ 0.003 χ^2 /NDF: 2286696.9/33

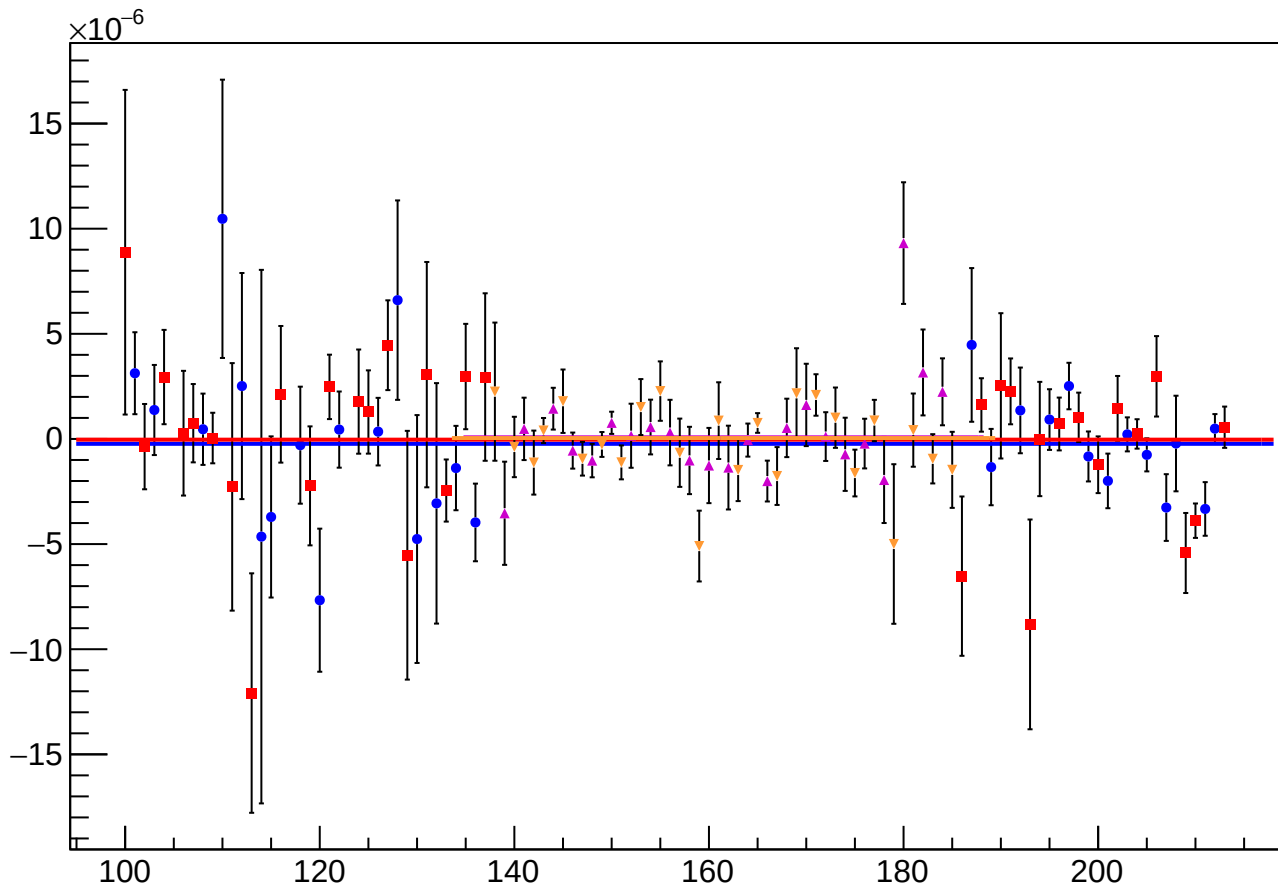
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.947 $\pm$ 0.002 χ^2 /NDF: 5487350.9/53

All: 17.970 $\pm$ 0.002 χ^2 /NDF: 10005385.0/110

- sign 17.993 $\pm$ 0.002 χ^2 /NDF: 4517823.8/56

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 42.8/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 69.4/33

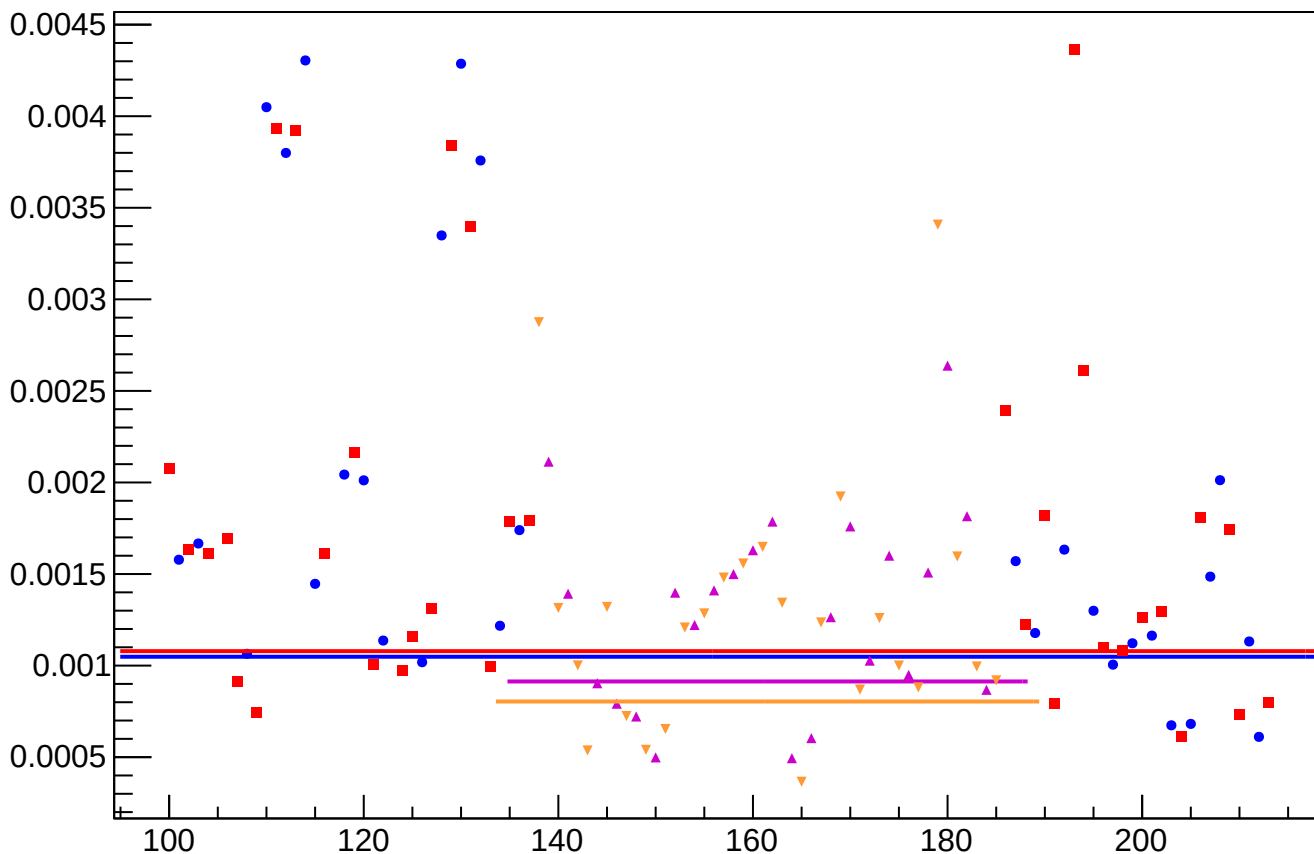
Left In: 0.000 ± 0.000 χ^2/NDF : 31.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 80.6/53

All: -0.000 ± 0.000 χ^2/NDF : 181.2/110

- sign 0.000 ± 0.000 χ^2/NDF : 100.5/56

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 6126709.8/28

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:8261261.7/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 6886430.7/33

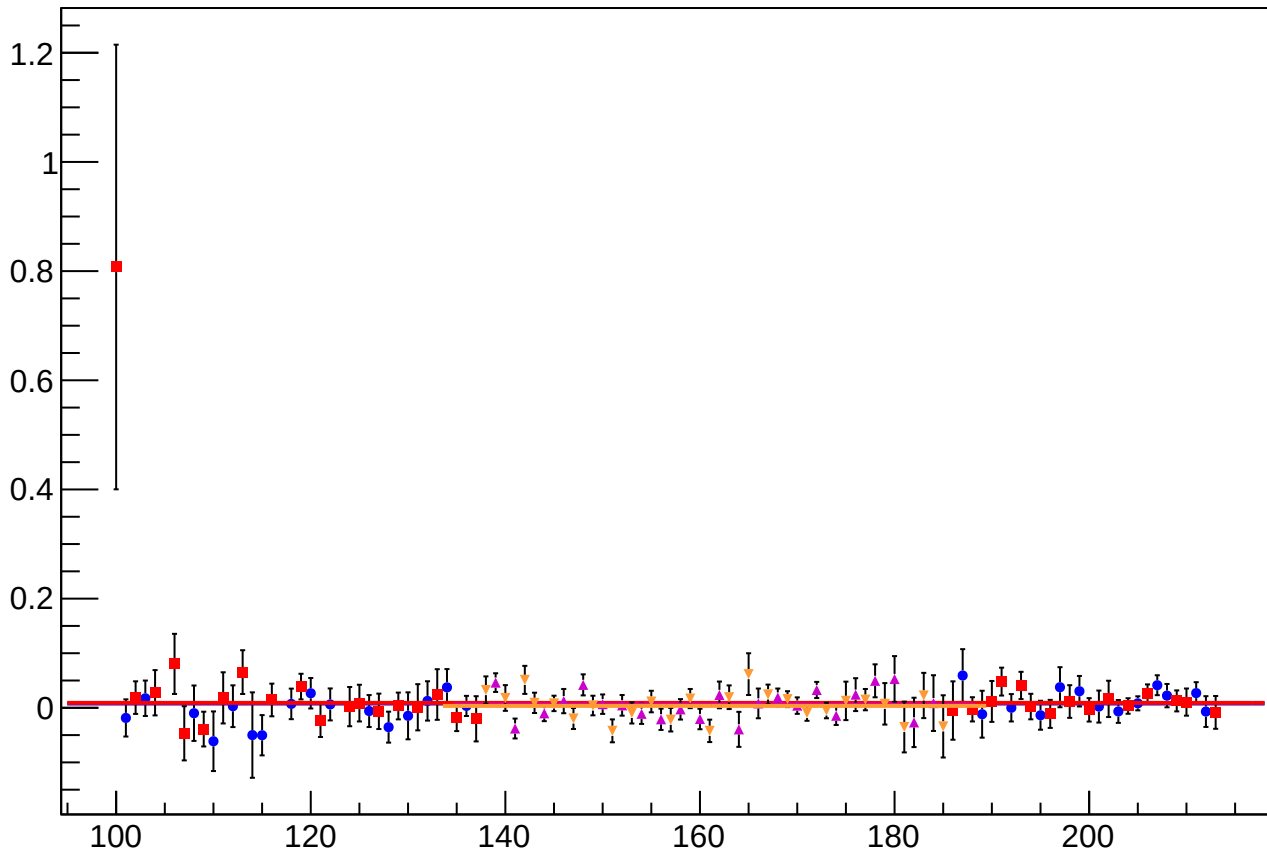
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:6446479.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 15337597.4/53

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 29350207.1/110

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13724695.0/56

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.005 χ^2 /NDF: 18.5/28

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.009 $\pm$ 0.005 χ^2 /NDF: 23.3/33

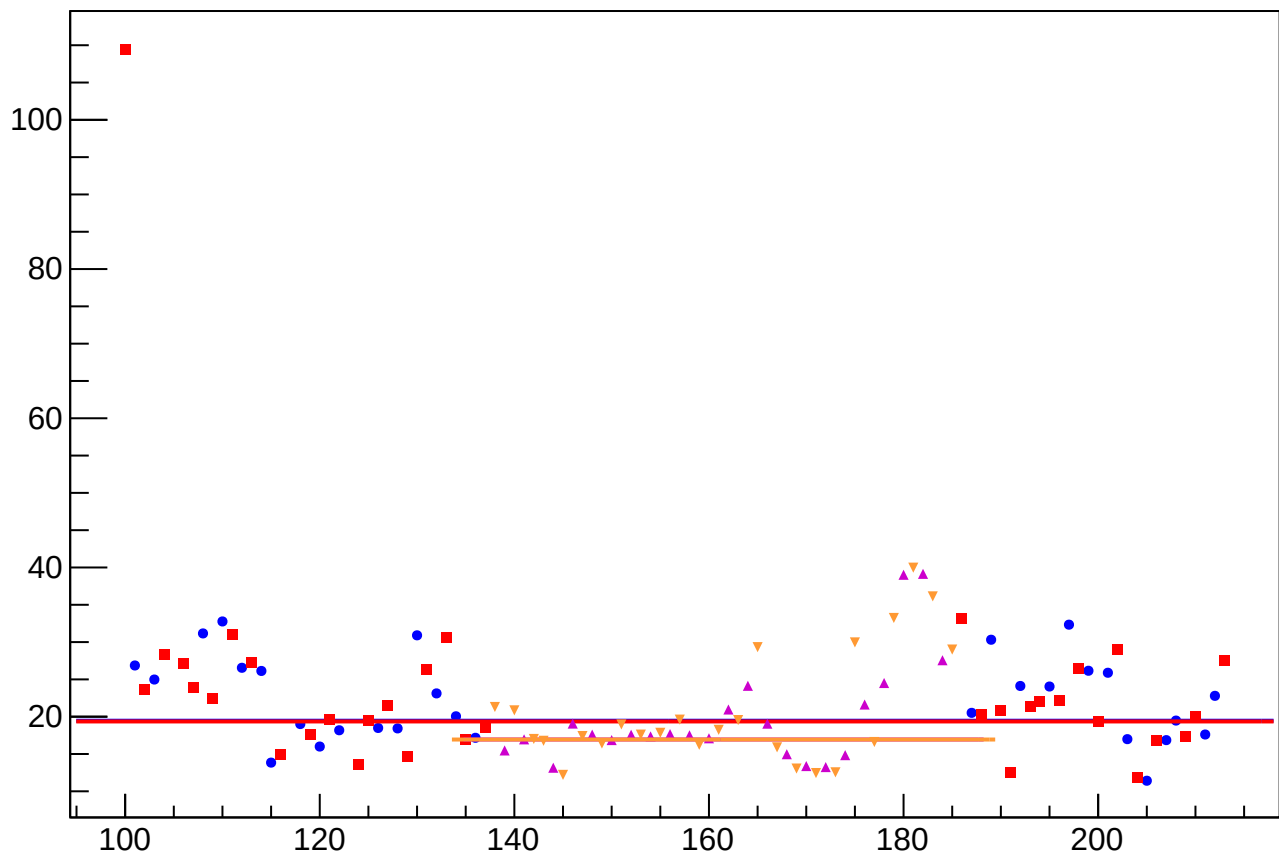
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.005 $\pm$ 0.003 χ^2 /NDF: 45.9/53

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 102.9/110

- sign 0.007 $\pm$ 0.003 χ^2 /NDF: 56.8/56

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.460 $\pm$ 0.004 χ^2 /NDF: 2346746.1/28

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.363 $\pm$ 0.003 χ^2 /NDF: 2286698.1/33

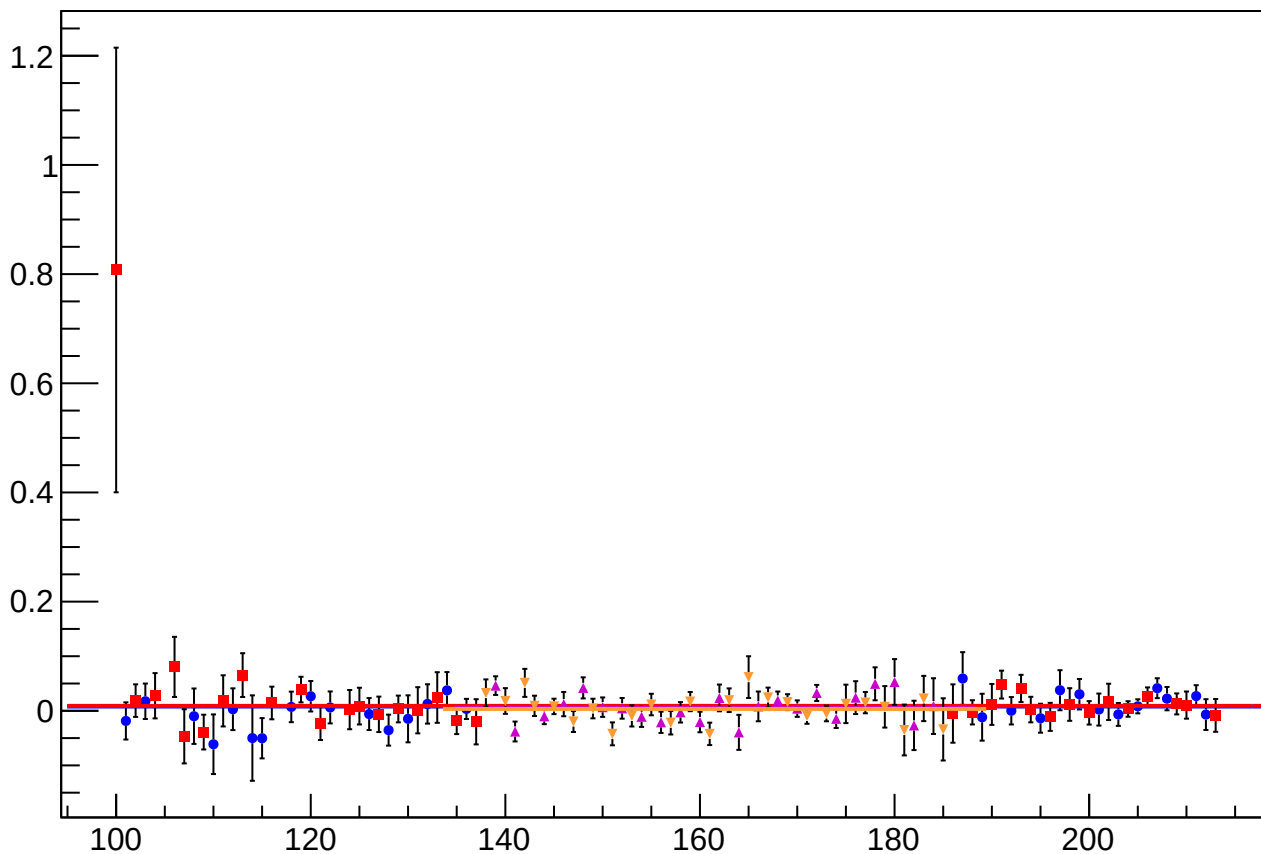
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.947 $\pm$ 0.002 χ^2 /NDF: 5487249.2/53

All: 17.970 $\pm$ 0.002 χ^2 /NDF: 10005219.1/110

- sign 17.993 $\pm$ 0.002 χ^2 /NDF: 4517759.7/56

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.005 χ^2 /NDF: 18.5/28

Left Out: 0.003 $\pm$ 0.004 χ^2 /NDF:26.9/24

Right Out: 0.009 $\pm$ 0.005 χ^2 /NDF: 23.3/33

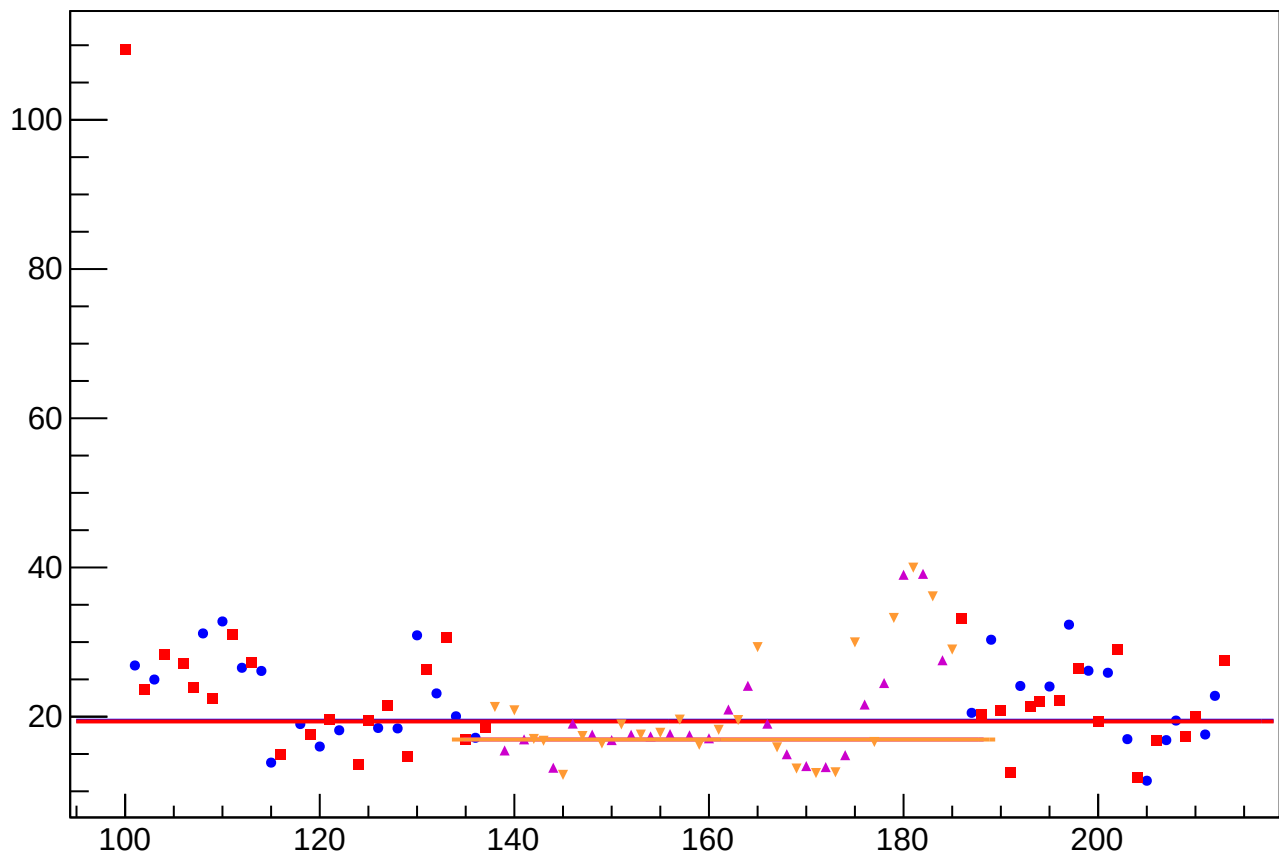
Left In: 0.005 $\pm$ 0.004 χ^2 /NDF:33.2/22

+ sign 0.005 $\pm$ 0.003 χ^2 /NDF: 45.9/53

All: 0.006 $\pm$ 0.002 χ^2 /NDF: 102.9/110

- sign 0.007 $\pm$ 0.003 χ^2 /NDF: 56.8/56

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.460 $\pm$ 0.004 χ^2 /NDF: 2346746.1/28

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 19.363 $\pm$ 0.003 χ^2 /NDF: 2286698.1/33

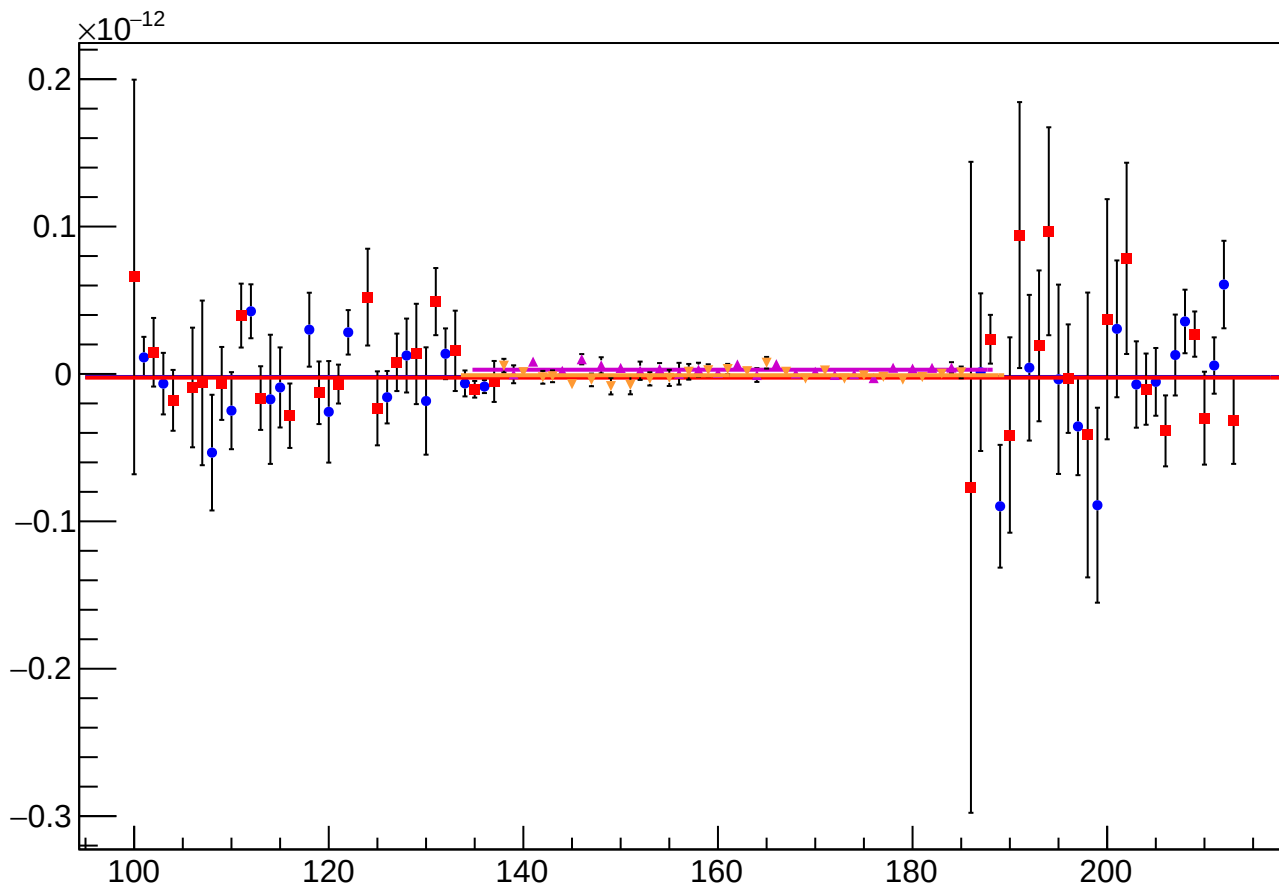
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.947 $\pm$ 0.002 χ^2 /NDF: 5487249.2/53

All: 17.970 $\pm$ 0.002 χ^2 /NDF: 10005219.1/110

- sign 17.993 $\pm$ 0.002 χ^2 /NDF: 4517759.7/56

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/28

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.9/33

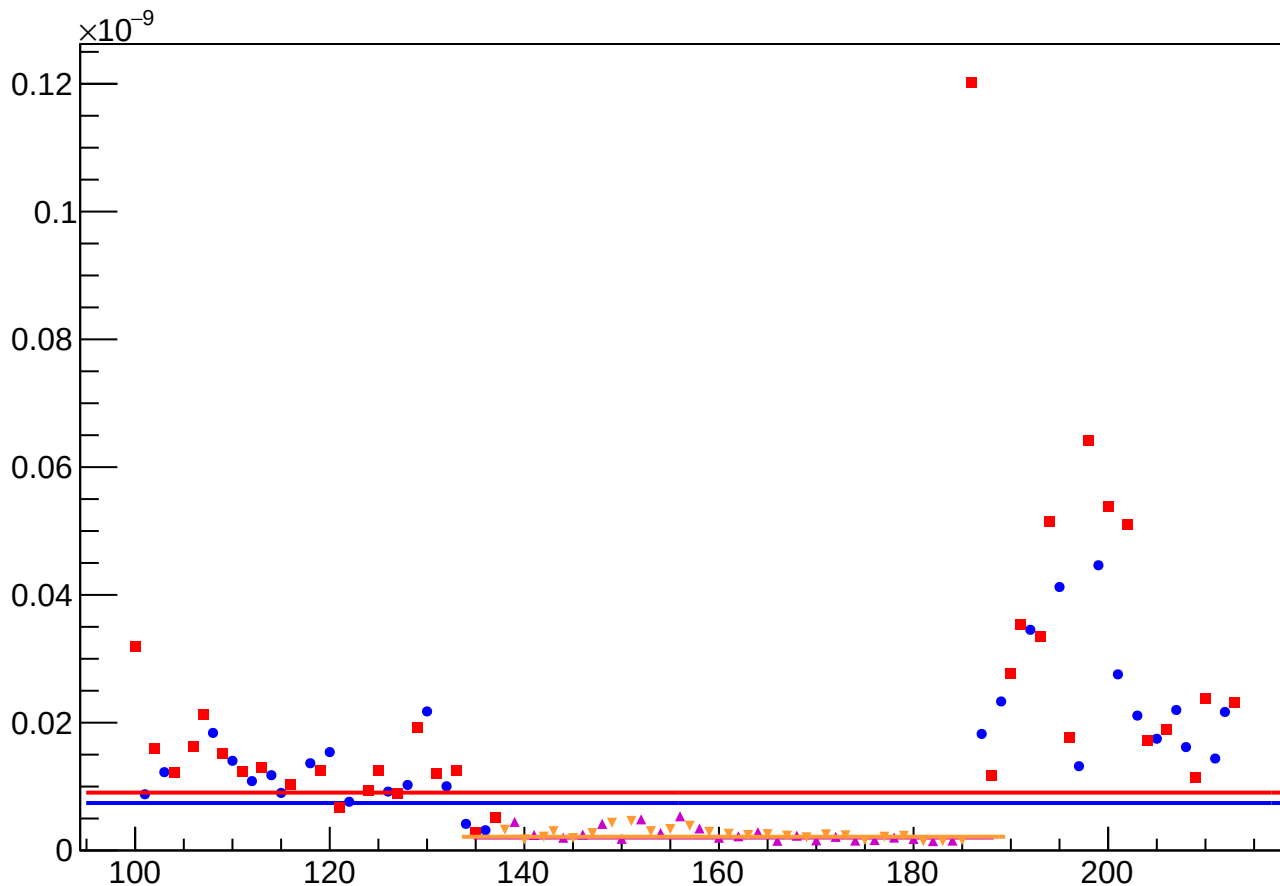
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.6/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 136.6/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.3/56

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8312865.4/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9455764.3/33

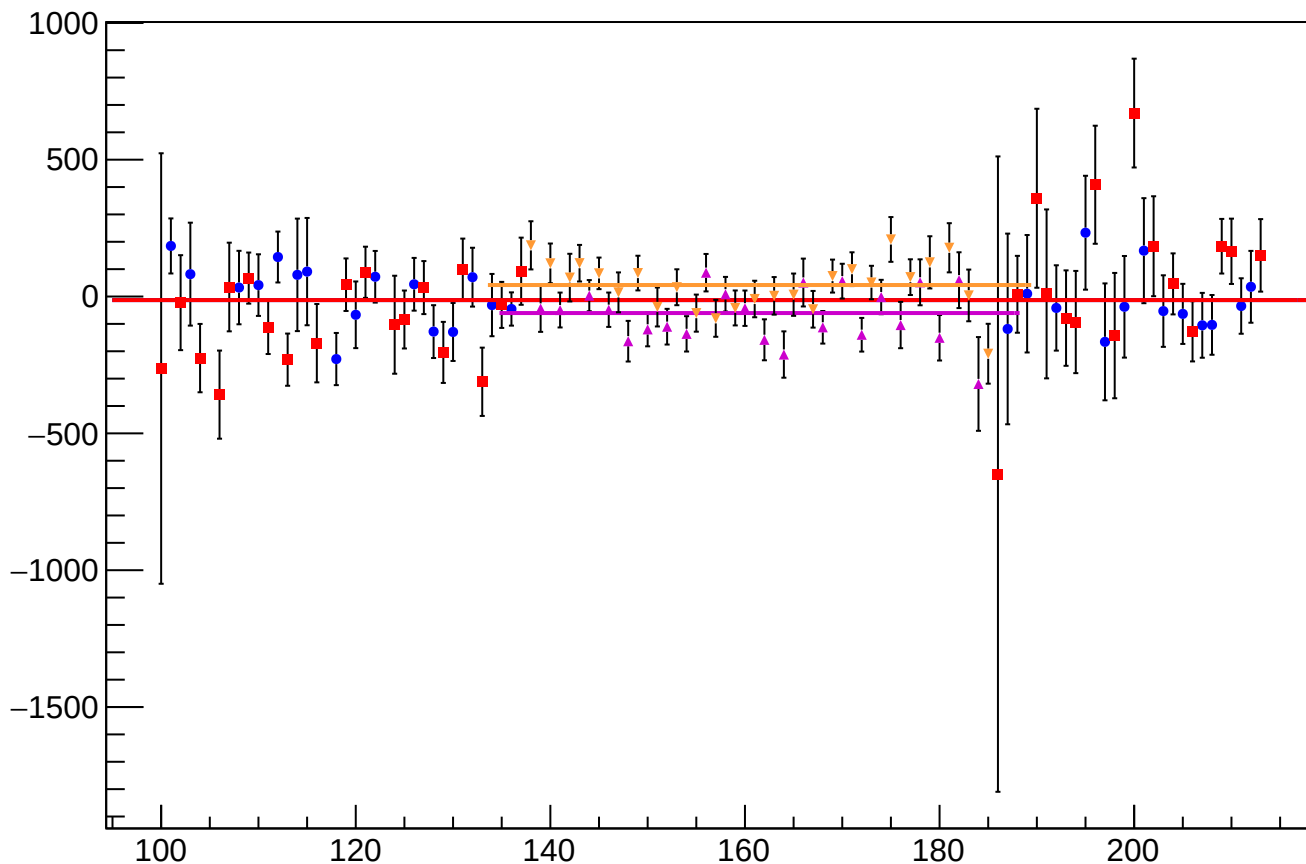
Left In: 0.000+/-0.000 χ^2/NDF : 2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 16260180.2/53

All: 0.000+/-0.000 χ^2/NDF : 36045759.7/110

- sign 0.000+/-0.000 χ^2/NDF : 19748855.5/56

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -13.061 ± 21.928 χ^2/NDF : 22.6/28

Left Out: 42.012 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -13.023 ± 22.054 χ^2/NDF : 56.9/33

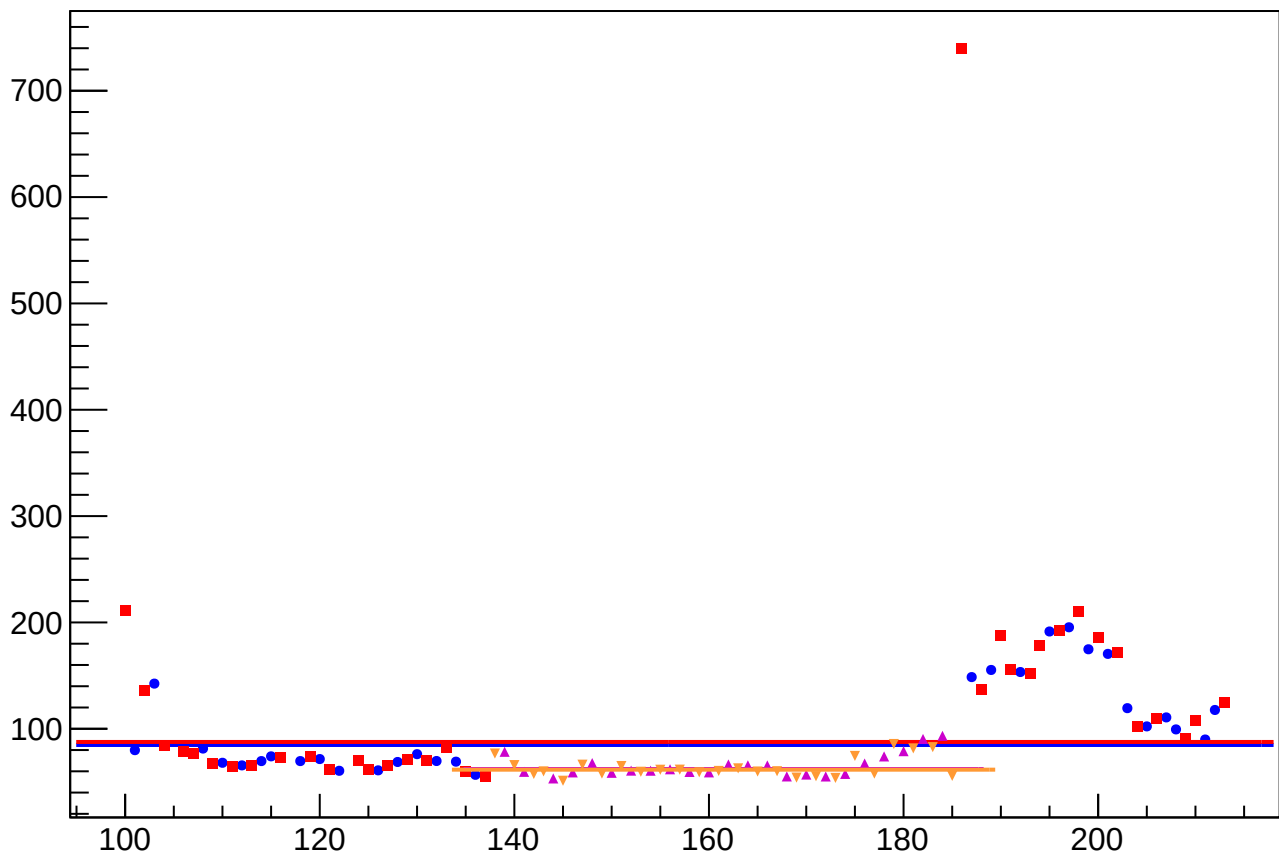
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 25.771 ± 11.908 χ^2/NDF : 59.1/53

All: -9.027 ± 8.535 χ^2/NDF : 168.9/110

- sign -45.791 ± 12.240 χ^2/NDF : 92.2/56

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 84.764 $\pm$ 0.016 χ^2 /NDF: 4297912.8/28

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.8/24

Right Out: 87.598 $\pm$ 0.016 χ^2 /NDF: 5640523.5/33

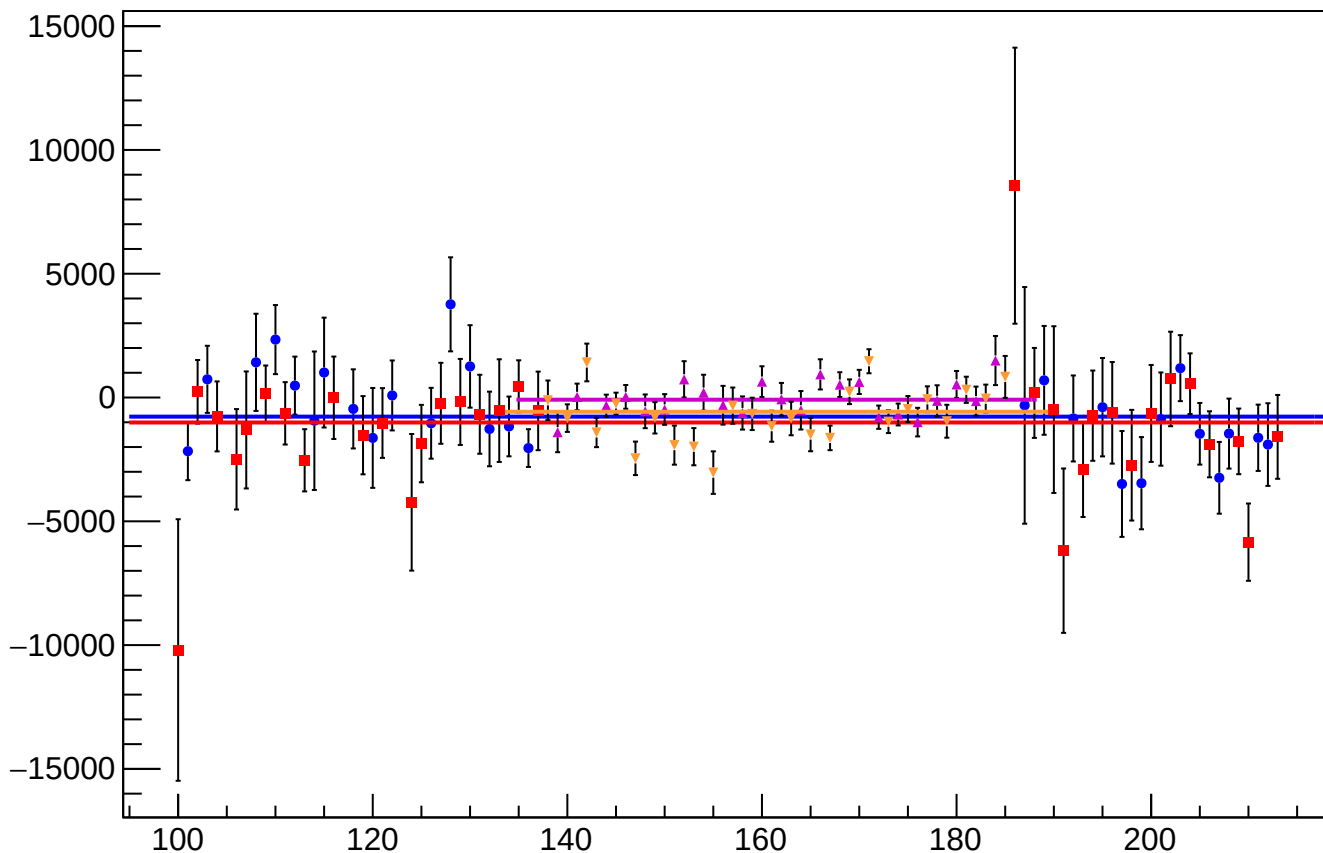
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 68.391 $\pm$ 0.008 χ^2 /NDF: 6516915.2/53

All: 69.166 $\pm$ 0.006 χ^2 /NDF: 14615165.1/110

- sign 69.984 $\pm$ 0.009 χ^2 /NDF: 8080841.3/56

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -772.013 ± 277.976 $\chi^2/\text{NDF}: 32.1/28$

Left Out: -574.818 ± 119.736 $\chi^2/\text{NDF}: 68.8/24$

Right Out: -1007.903 ± 281.228 $\chi^2/\text{NDF}: 32.3/33$

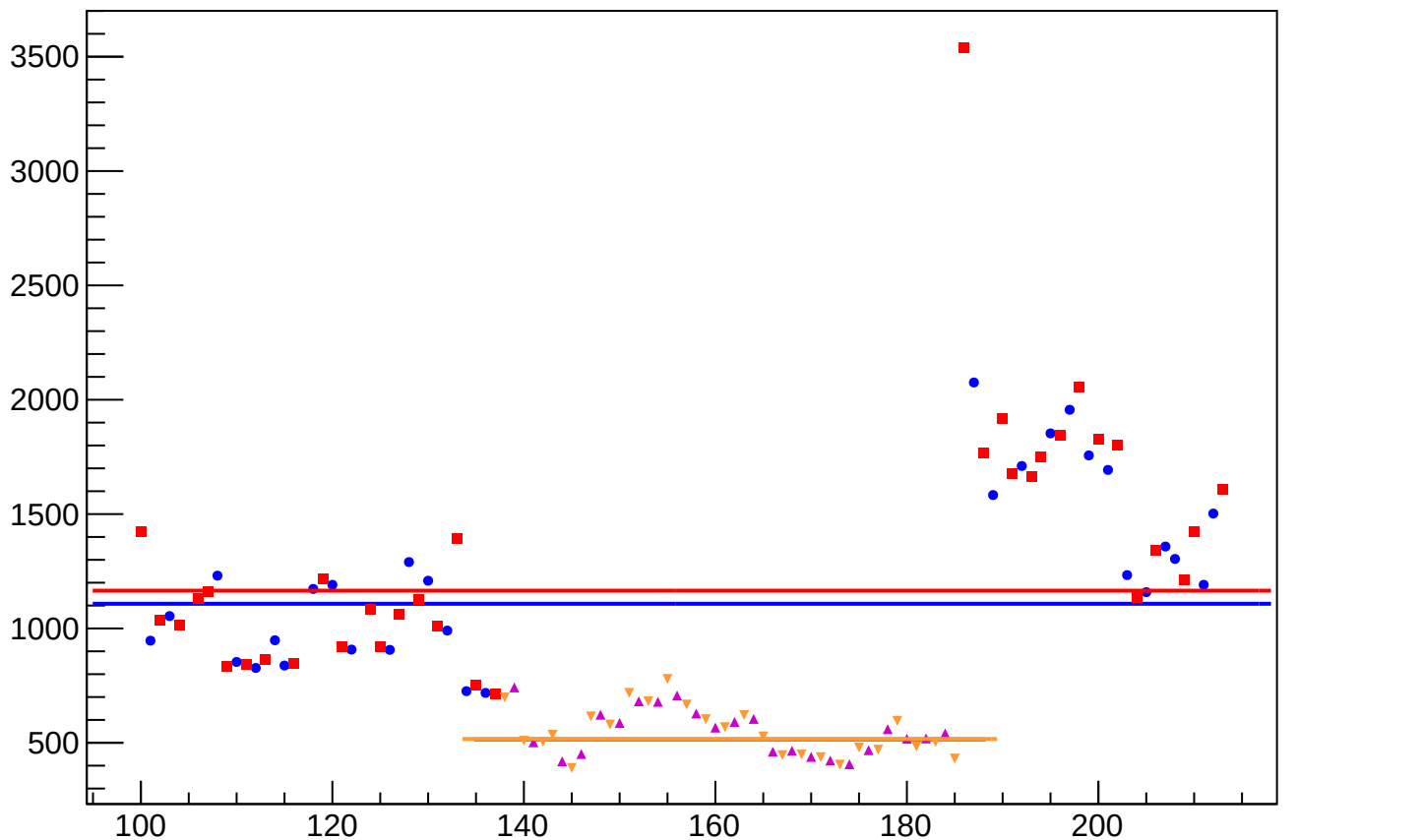
Left In: -88.334 ± 122.492 $\chi^2/\text{NDF}: 24.6/22$

+ sign -605.679 ± 109.968 $\chi^2/\text{NDF}: 101.4/53$

All: -424.217 ± 78.571 $\chi^2/\text{NDF}: 172.8/110$

- sign -234.971 ± 112.302 $\chi^2/\text{NDF}: 65.9/56$

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1107.900+/-0.197 χ^2/NDF : 2799575.4/28

Left Out: 516.635+/-0.085 χ^2/NDF : 1265161.0/24

Right Out: 1165.126+/-0.199 χ^2/NDF : 3465229.7/33

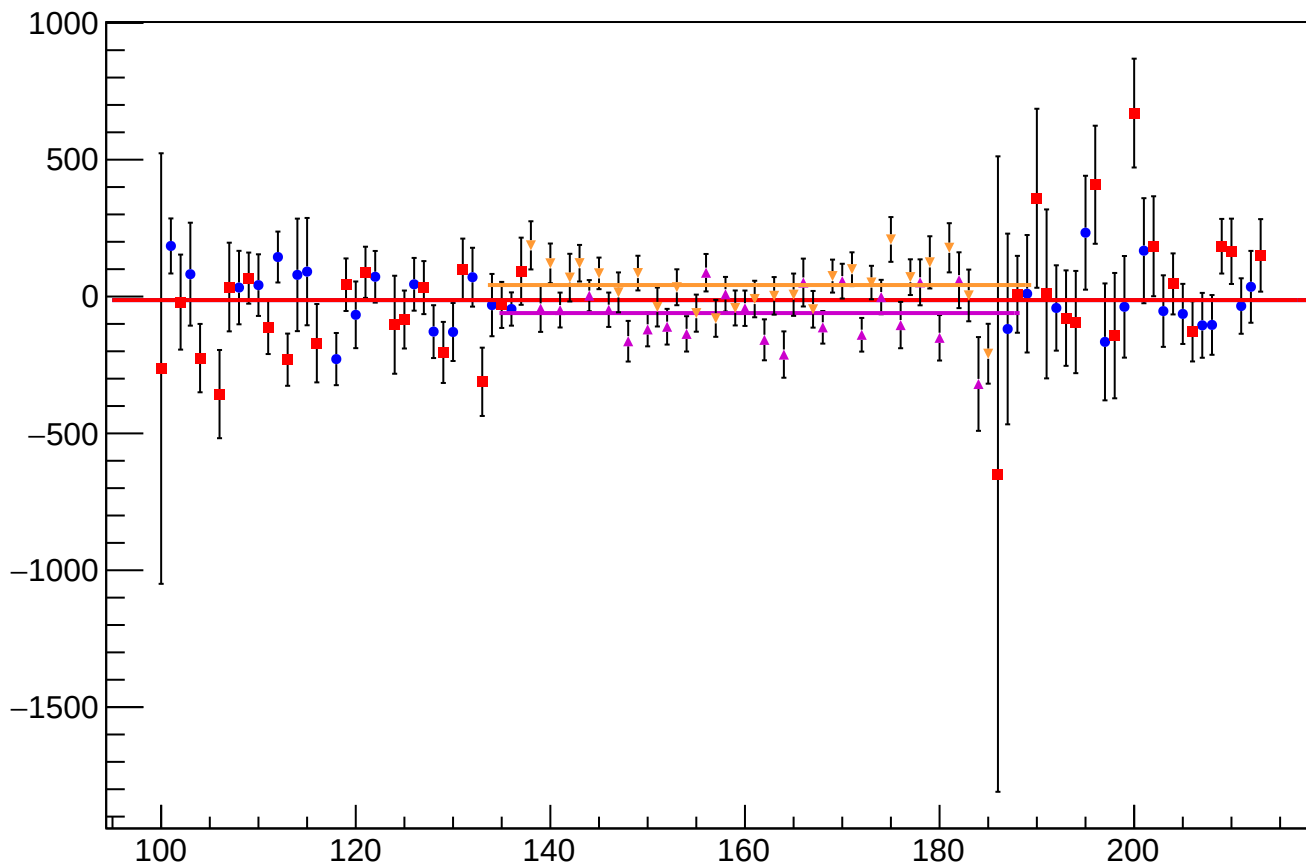
Left In: 514.781+/-0.087 χ^2/NDF : 1120436.1/22

+ sign 609.170+/-0.078 χ^2/NDF : 11697179.7/53

All: 613.730+/-0.056 χ^2/NDF : 25279831.6/11

- sign 618.487+/-0.079 χ^2/NDF : 13575624.4/56

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.068 ± 21.928 χ^2/NDF : 22.6/28

Left Out: 42.017 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -12.937 ± 22.055 χ^2/NDF : 56.8/33

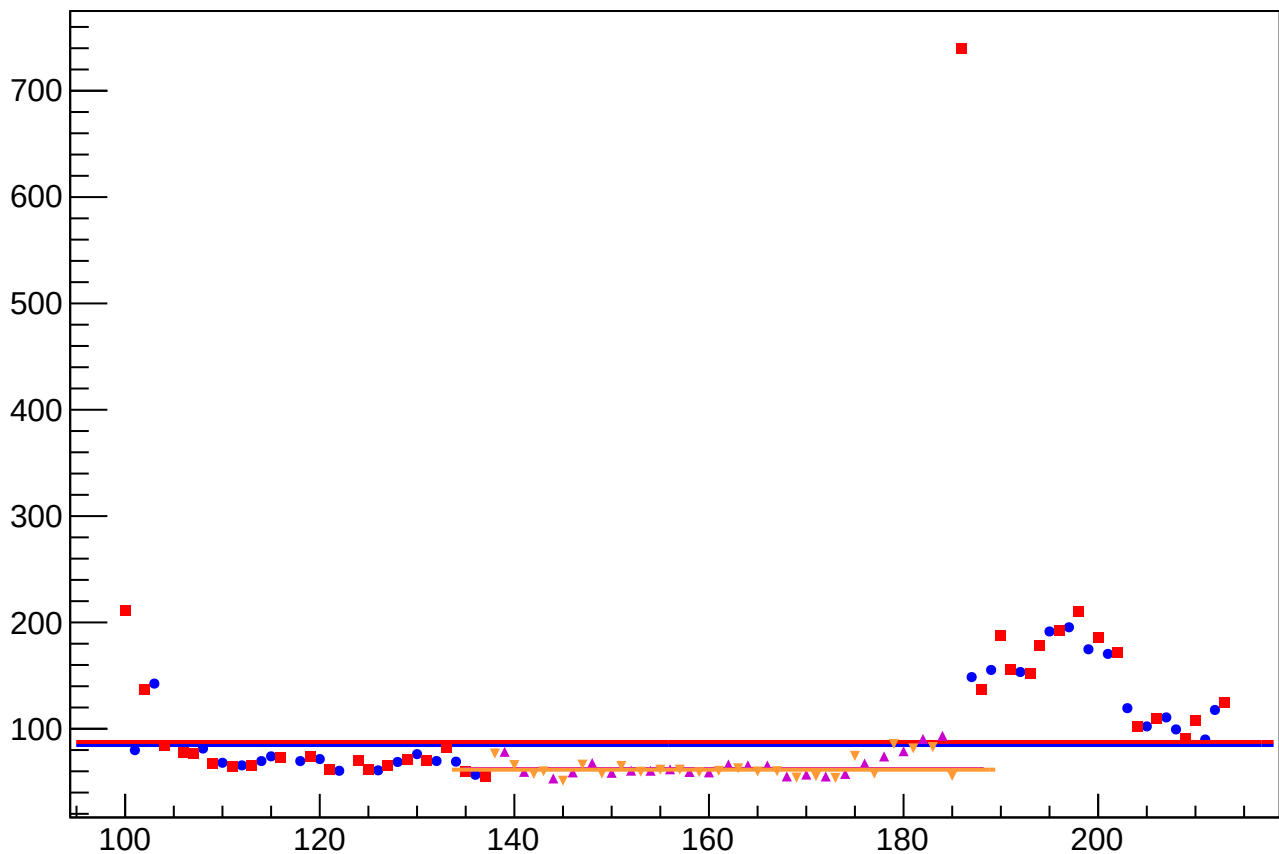
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 25.773 ± 11.908 χ^2/NDF : 59.1/53

All: -9.013 ± 8.535 χ^2/NDF : 168.8/110

- sign -45.765 ± 12.240 χ^2/NDF : 92.2/56

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 84.764 $\pm$ 0.016 χ^2 /NDF: 4297915.9/28

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.9/24

Right Out: 87.586 $\pm$ 0.016 χ^2 /NDF: 5641823.3/33

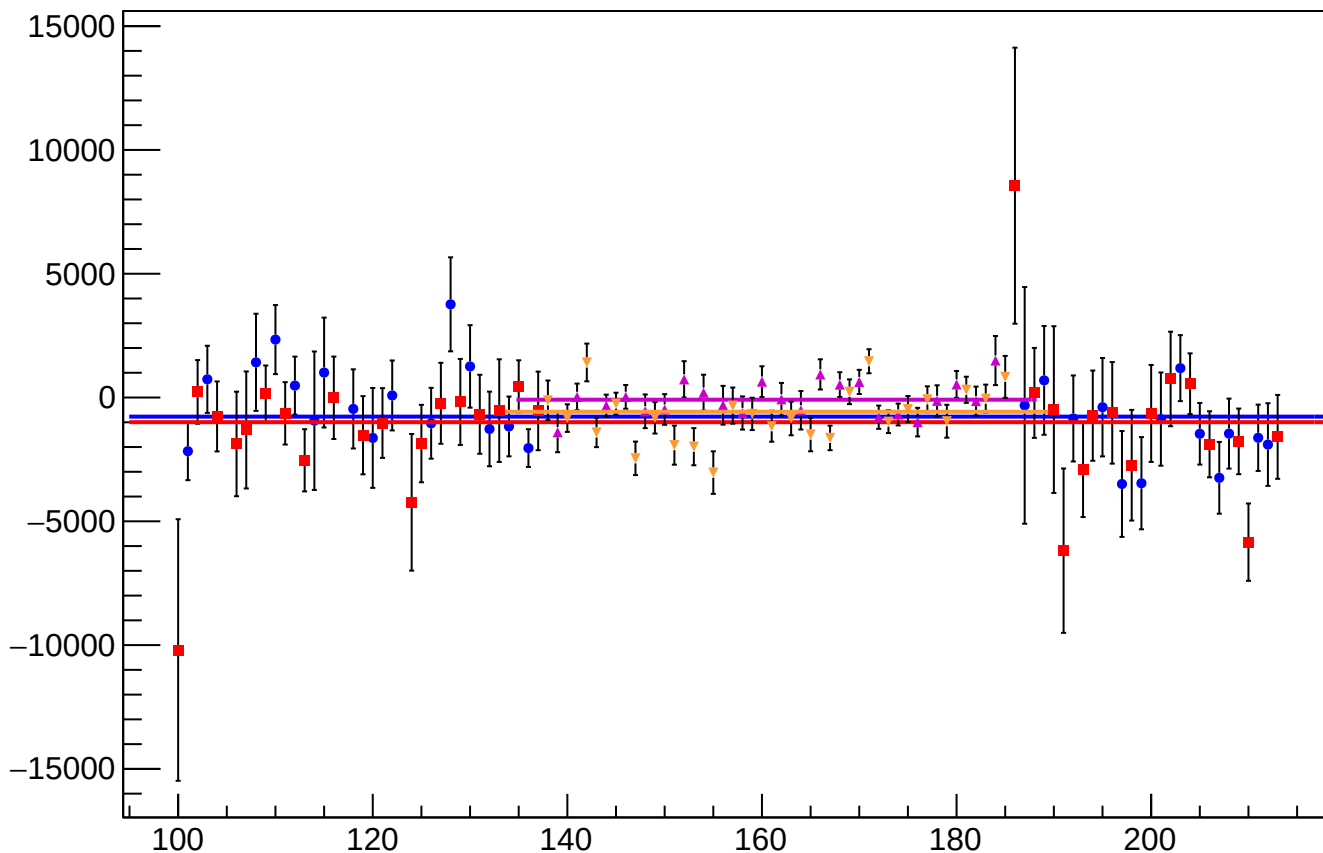
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 68.391 $\pm$ 0.008 χ^2 /NDF: 6516918.3/53

All: 69.164 $\pm$ 0.006 χ^2 /NDF: 14614503.9/110

- sign 69.980 $\pm$ 0.009 χ^2 /NDF: 8080267.6/56

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -771.996 ± 277.977 $\chi^2/\text{NDF}: 32.1/28$

Left Out: -574.811 ± 119.736 $\chi^2/\text{NDF}: 68.8/24$

Right Out: -995.005 ± 281.448 $\chi^2/\text{NDF}: 31.9/33$

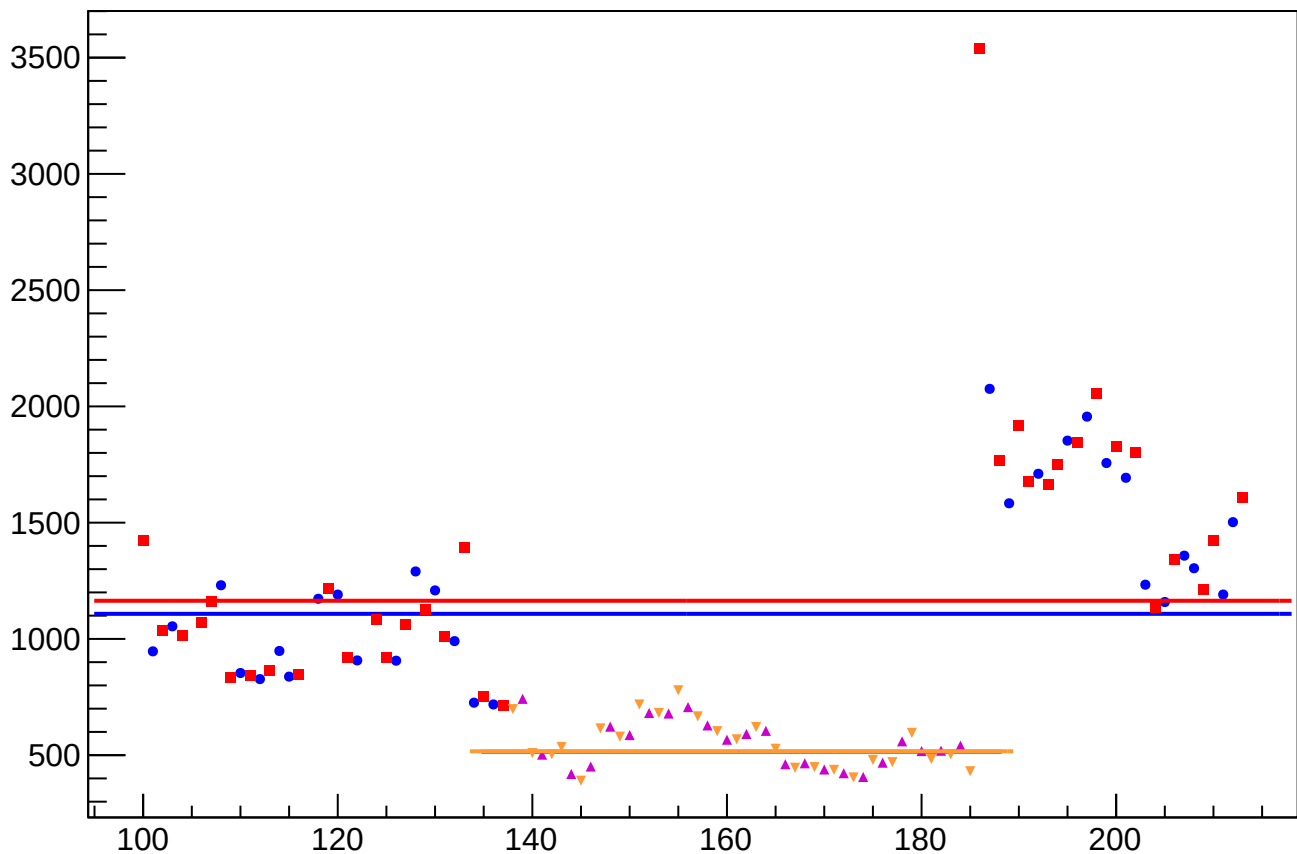
Left In: -88.333 ± 122.492 $\chi^2/\text{NDF}: 24.6/22$

+ sign -605.671 ± 109.968 $\chi^2/\text{NDF}: 101.4/53$

All: -423.136 ± 78.576 $\chi^2/\text{NDF}: 172.2/110$

- sign -232.723 ± 112.316 $\chi^2/\text{NDF}: 65.2/56$

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1107.904 $\pm$ 0.197 χ^2 /NDF: 2799570.6/28

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 1164.107 $\pm$ 0.199 χ^2 /NDF: 3468512.5/33

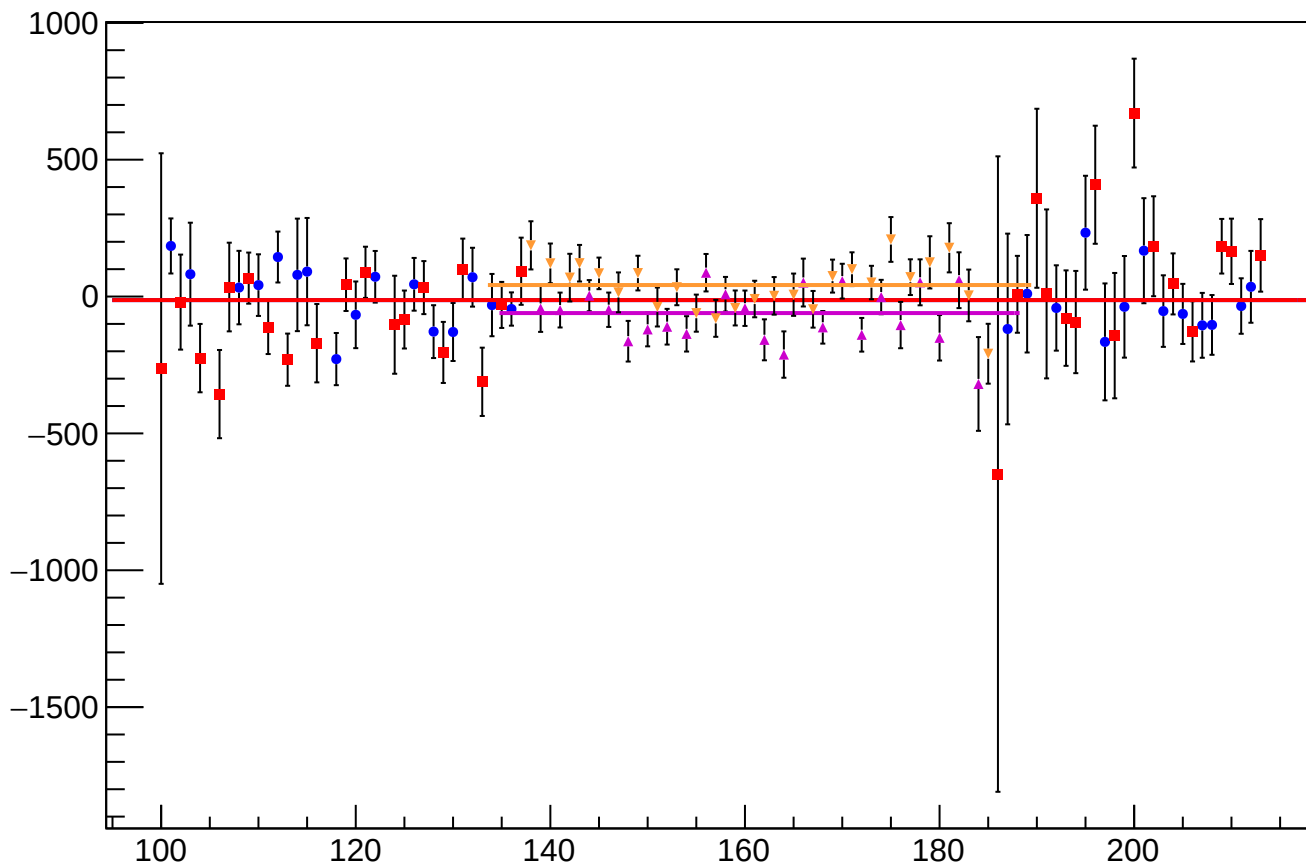
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 609.169 $\pm$ 0.078 χ^2 /NDF: 11697234.4/53

All: 613.584 $\pm$ 0.056 χ^2 /NDF: 25242794.8/11

- sign 618.188 $\pm$ 0.079 χ^2 /NDF: 13538976.5/56

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.068 ± 21.928 χ^2/NDF : 22.6/28

Left Out: 42.017 ± 14.181 χ^2/NDF : 32.0/24

Right Out: -12.937 ± 22.055 χ^2/NDF : 56.8/33

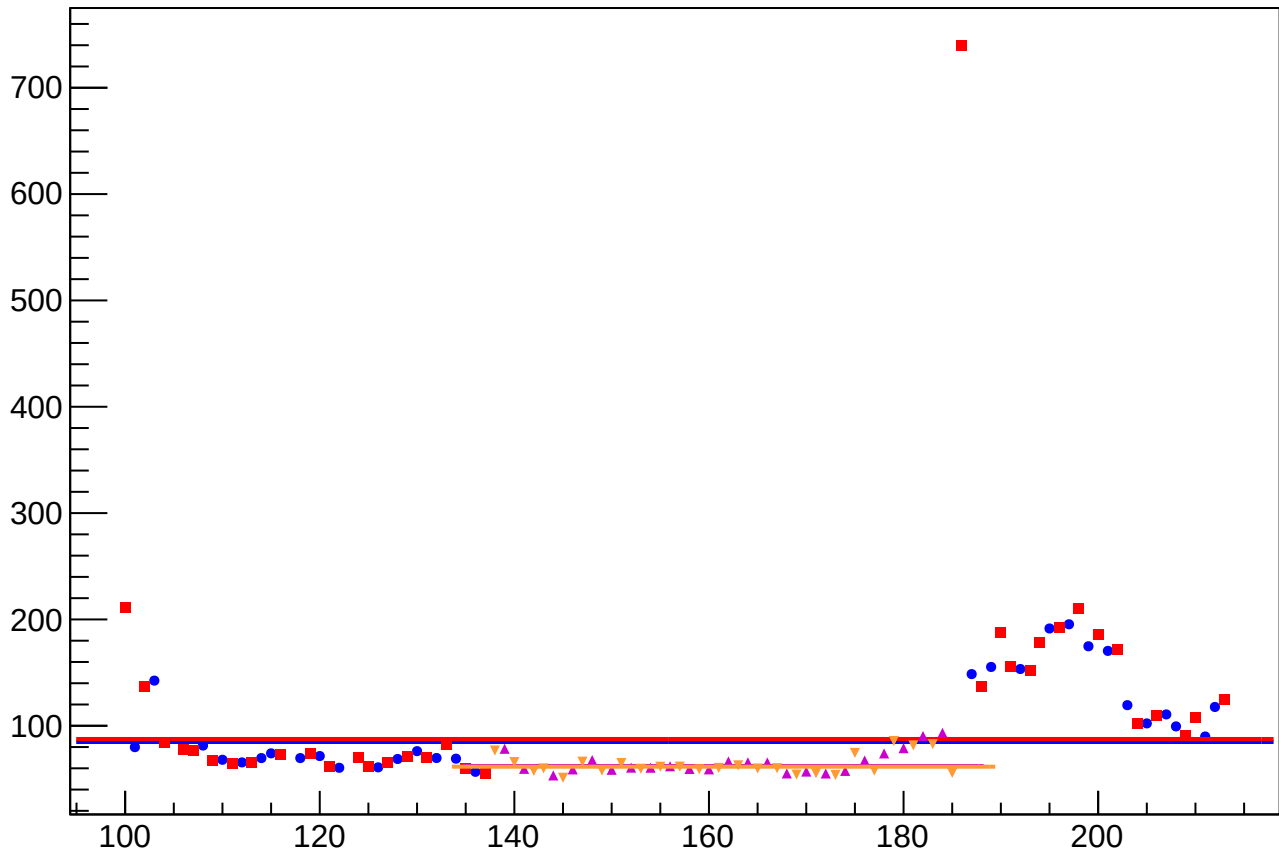
Left In: -60.376 ± 14.714 χ^2/NDF : 32.2/22

+ sign 25.773 ± 11.908 χ^2/NDF : 59.1/53

All: -9.013 ± 8.535 χ^2/NDF : 168.8/110

- sign -45.765 ± 12.240 χ^2/NDF : 92.2/56

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 84.764+/-0.016 χ^2/NDF : 4297915.9/28

Left Out: 61.544+/-0.010 χ^2/NDF : 637834.9/24

Right Out: 87.586+/-0.016 χ^2/NDF : 5641823.3/33

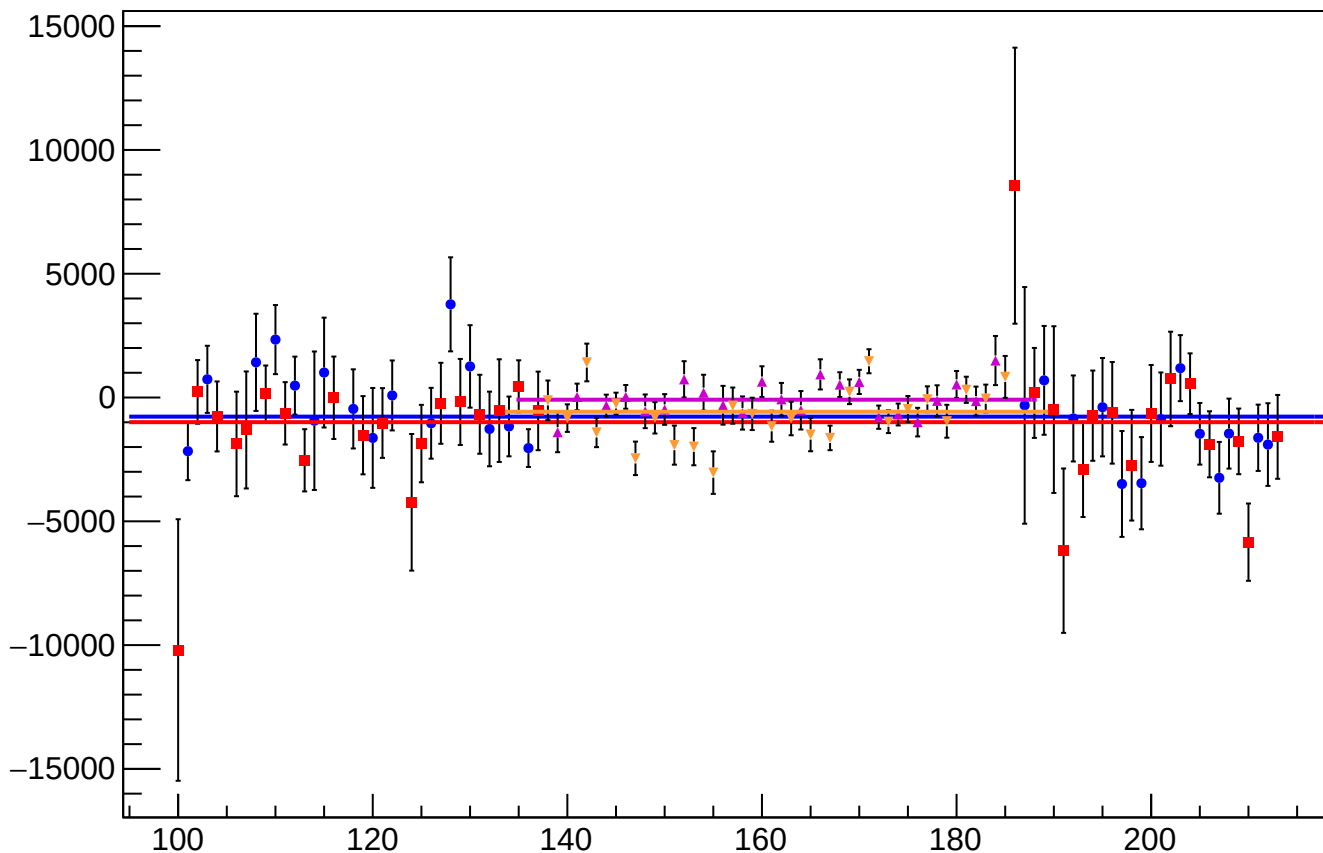
Left In: 62.144+/-0.010 χ^2/NDF : 596754.9/22

+ sign 68.391+/-0.008 χ^2/NDF : 6516918.3/53

All: 69.164+/-0.006 χ^2/NDF : 14614503.9/110

- sign 69.980+/-0.009 χ^2/NDF : 8080267.6/56

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -771.996 ± 277.977 $\chi^2/\text{NDF}: 32.1/28$

Left Out: -574.811 ± 119.736 $\chi^2/\text{NDF}: 68.8/24$

Right Out: -995.005 ± 281.448 $\chi^2/\text{NDF}: 31.9/33$

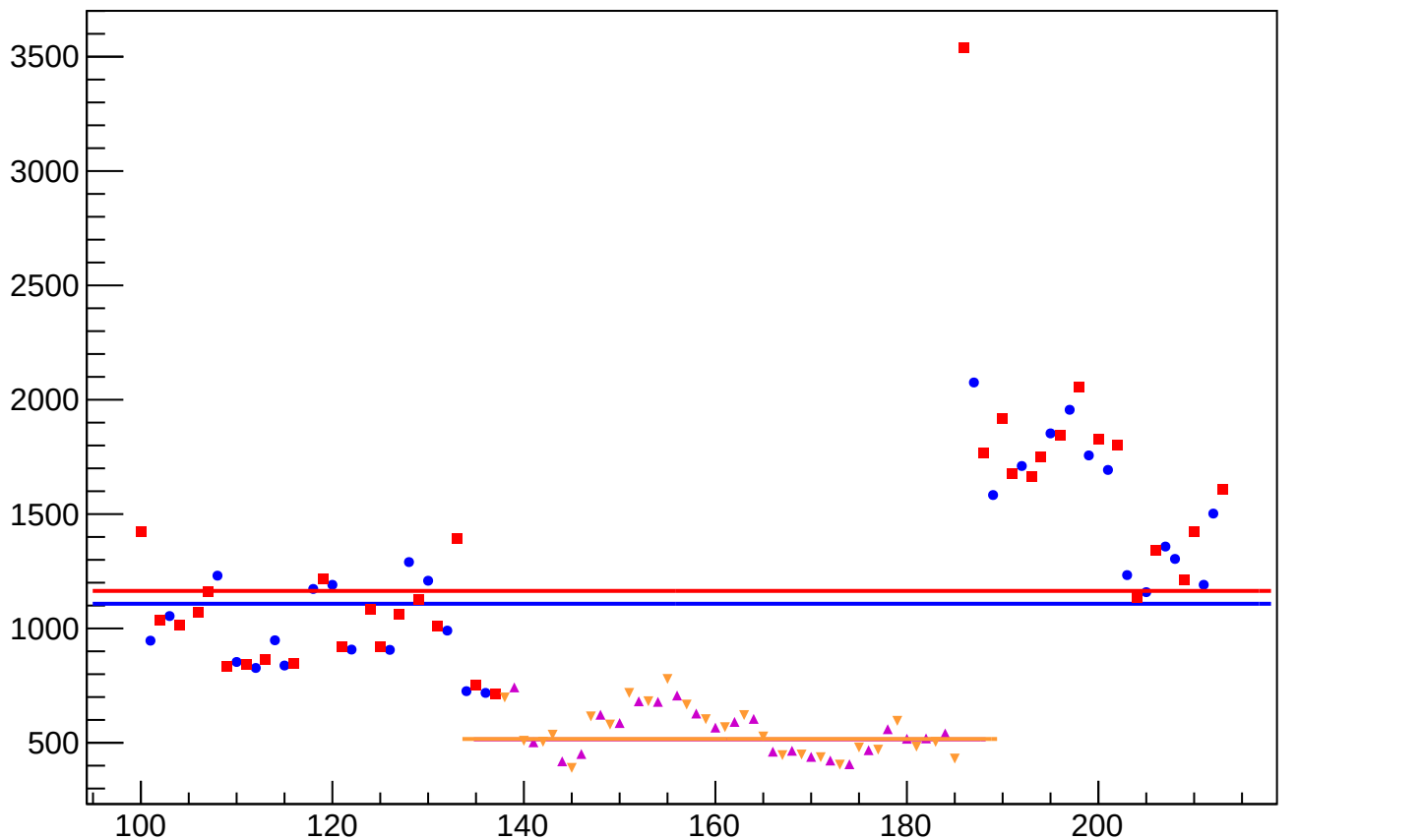
Left In: -88.333 ± 122.492 $\chi^2/\text{NDF}: 24.6/22$

+ sign -605.671 ± 109.968 $\chi^2/\text{NDF}: 101.4/53$

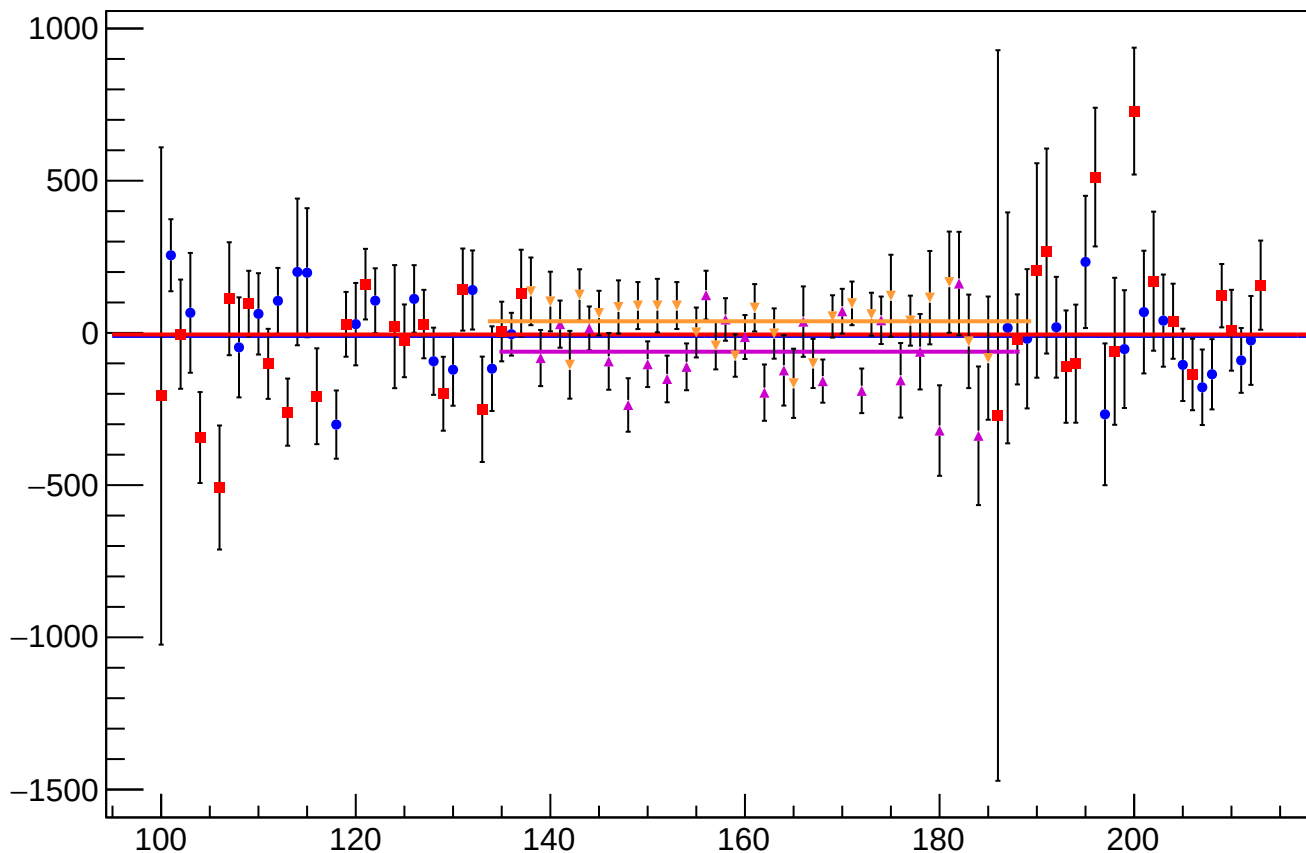
All: -423.136 ± 78.576 $\chi^2/\text{NDF}: 172.2/110$

- sign -232.723 ± 112.316 $\chi^2/\text{NDF}: 65.2/56$

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



dit_asym_sam_12345678_avg_mean vs Slug



Right In: -9.912 ± 24.776 χ^2/NDF : 28.1/28

Left Out: 38.281 ± 17.669 χ^2/NDF : 18.8/24

Right Out: -5.167 ± 25.062 χ^2/NDF : 53.2/33

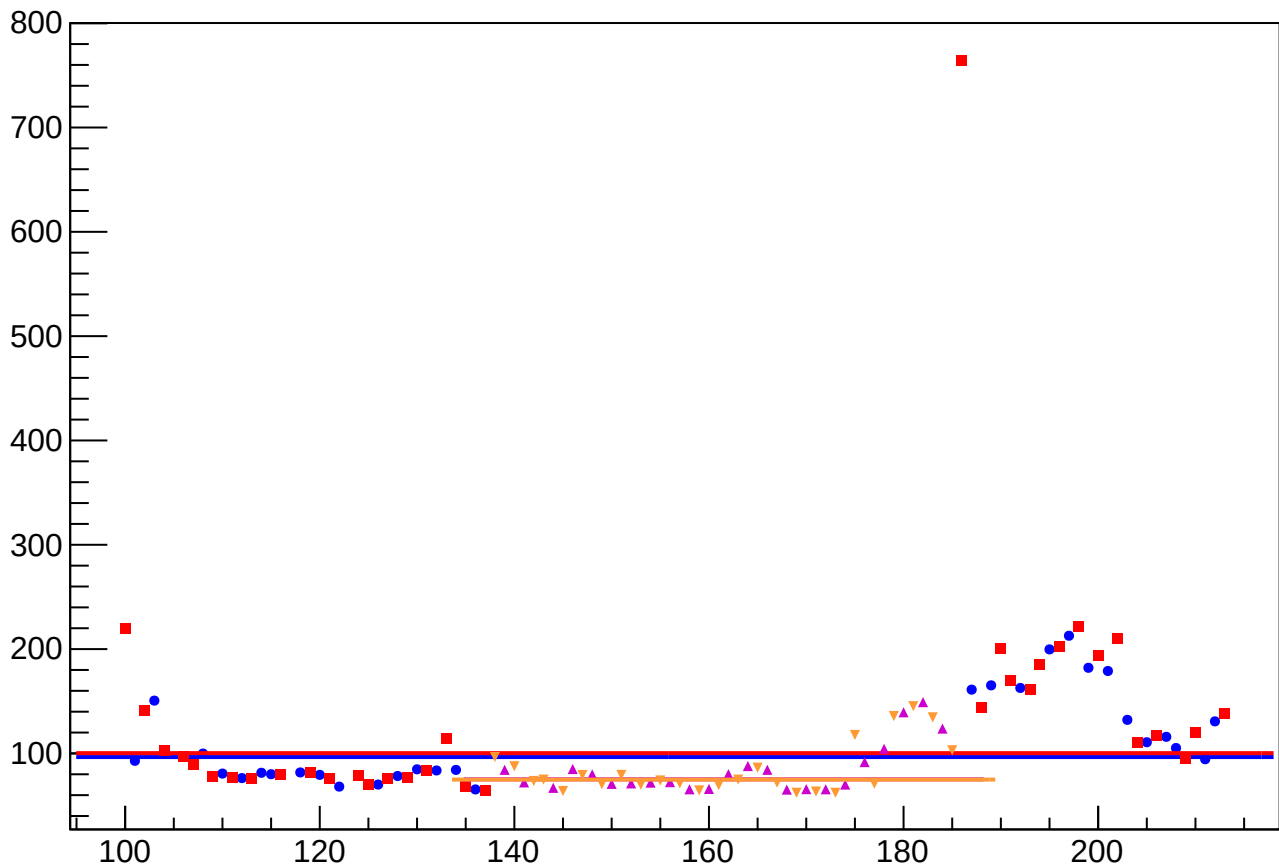
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 22.033 ± 14.386 χ^2/NDF : 49.4/53

All: -9.345 ± 10.289 χ^2/NDF : 152.4/110

- sign -42.207 ± 14.722 χ^2/NDF : 93.3/56

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 96.509+/-0.018 χ^2/NDF : 3636877.7/28

Left Out: 74.903+/-0.012 χ^2/NDF :1661552.1/24

Right Out: 100.268+/-0.018 χ^2/NDF : 4952286.4/33

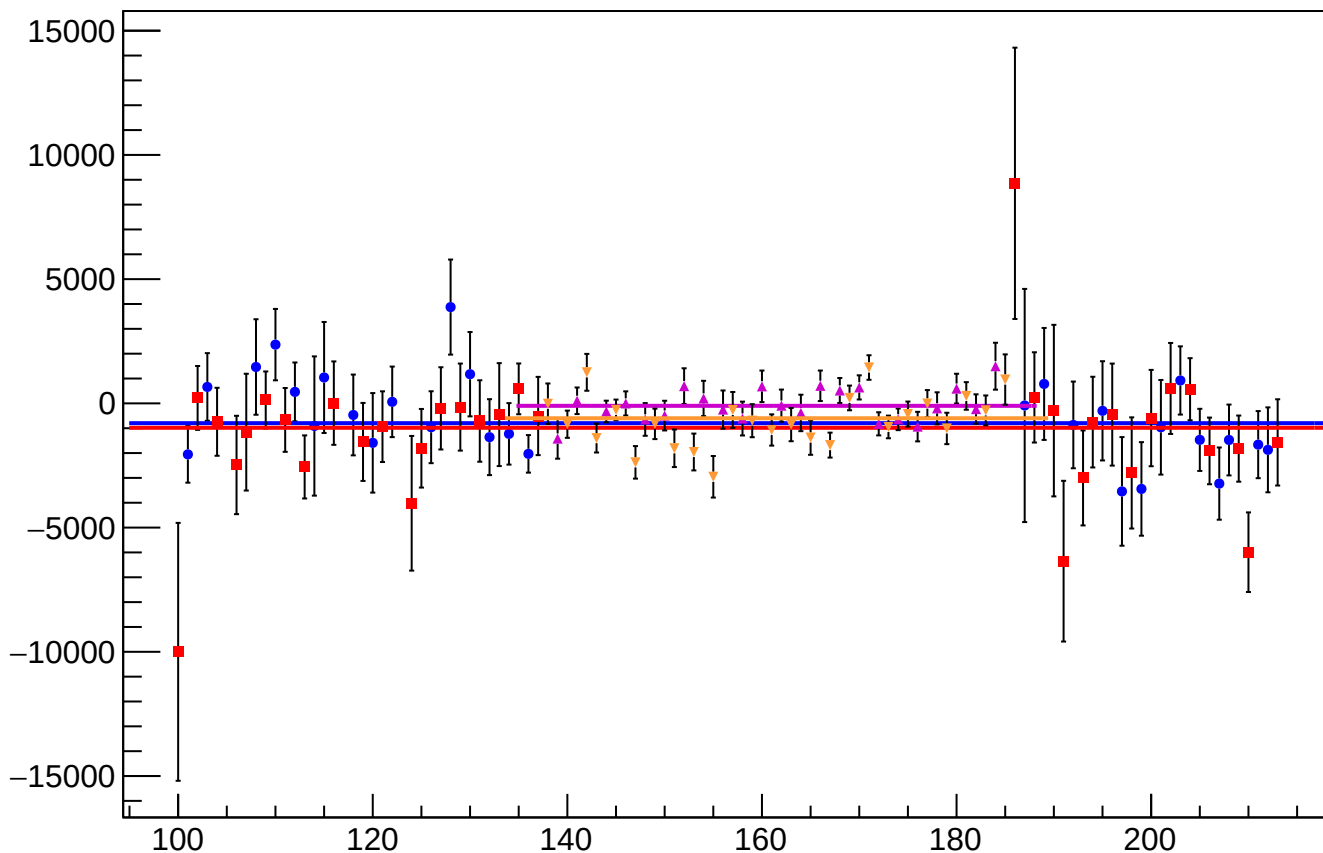
Left In: 75.156+/-0.013 χ^2/NDF :1312543.0/22

+ sign 82.187+/-0.010 χ^2/NDF : 6306616.5/53

All: 82.985+/-0.007 χ^2/NDF : 13899227.1/110

- sign 83.821+/-0.010 χ^2/NDF : 7580003.7/56

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -797.119+/-279.784 χ^2/NDF : 31.0/28

Left Out: -598.826+/-119.324 χ^2/NDF : 65.0/24

Right Out: -982.648+/-281.532 χ^2/NDF : 33.5/33

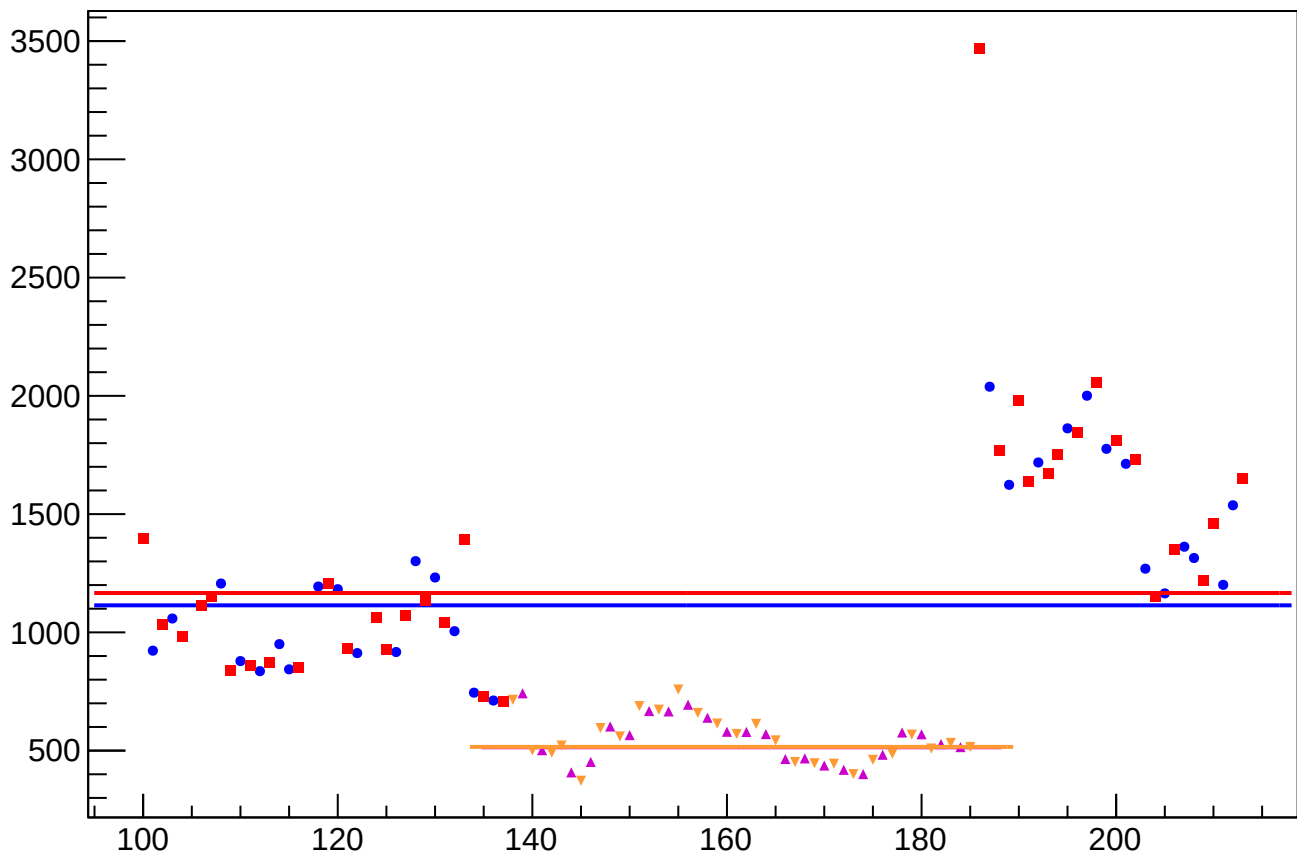
Left In: -99.102+/-122.310 χ^2/NDF : 23.7/22

+ sign -629.343+/-109.759 χ^2/NDF : 96.5/53

All: -438.621+/-78.453 χ^2/NDF : 168.2/110

- sign -239.388+/-112.181 χ^2/NDF : 65.5/56

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1114.292 $\pm$ 0.198 χ^2 /NDF: 2864835.7/28

Left Out: 515.762 $\pm$ 0.084 χ^2 /NDF:1232478.6/24

Right Out: 1166.437 $\pm$ 0.199 χ^2 /NDF: 3485481.4/33

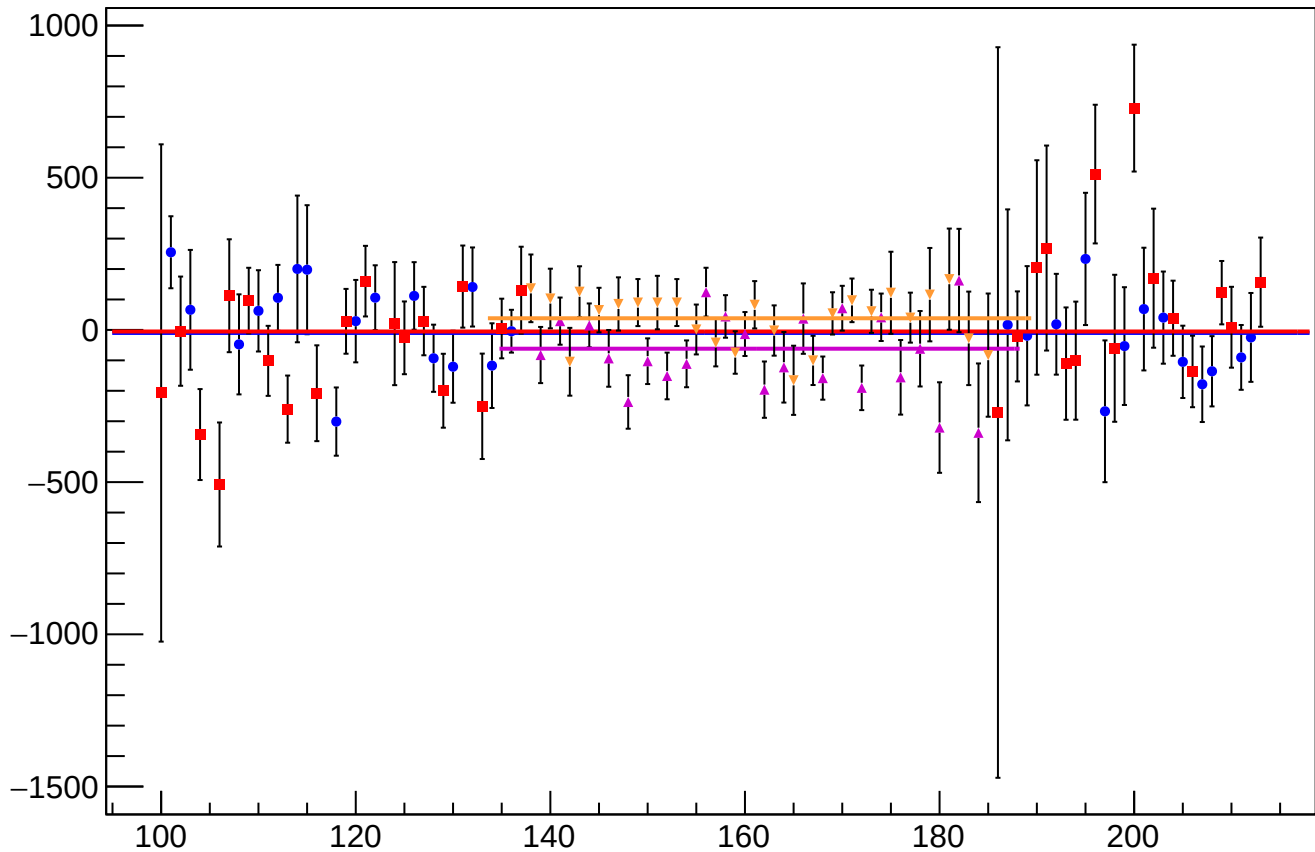
Left In: 514.088 $\pm$ 0.086 χ^2 /NDF:1116884.3/22

+ sign 607.874 $\pm$ 0.078 χ^2 /NDF: 11841561.0/53

All: 612.662 $\pm$ 0.055 χ^2 /NDF: 25484996.6/11

- sign 617.665 $\pm$ 0.079 χ^2 /NDF: 13635652.1/56

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -9.912 ± 24.776 χ^2/NDF : 28.1/28

Left Out: 38.282 ± 17.670 χ^2/NDF : 18.8/24

Right Out: -5.165 ± 25.062 χ^2/NDF : 53.2/33

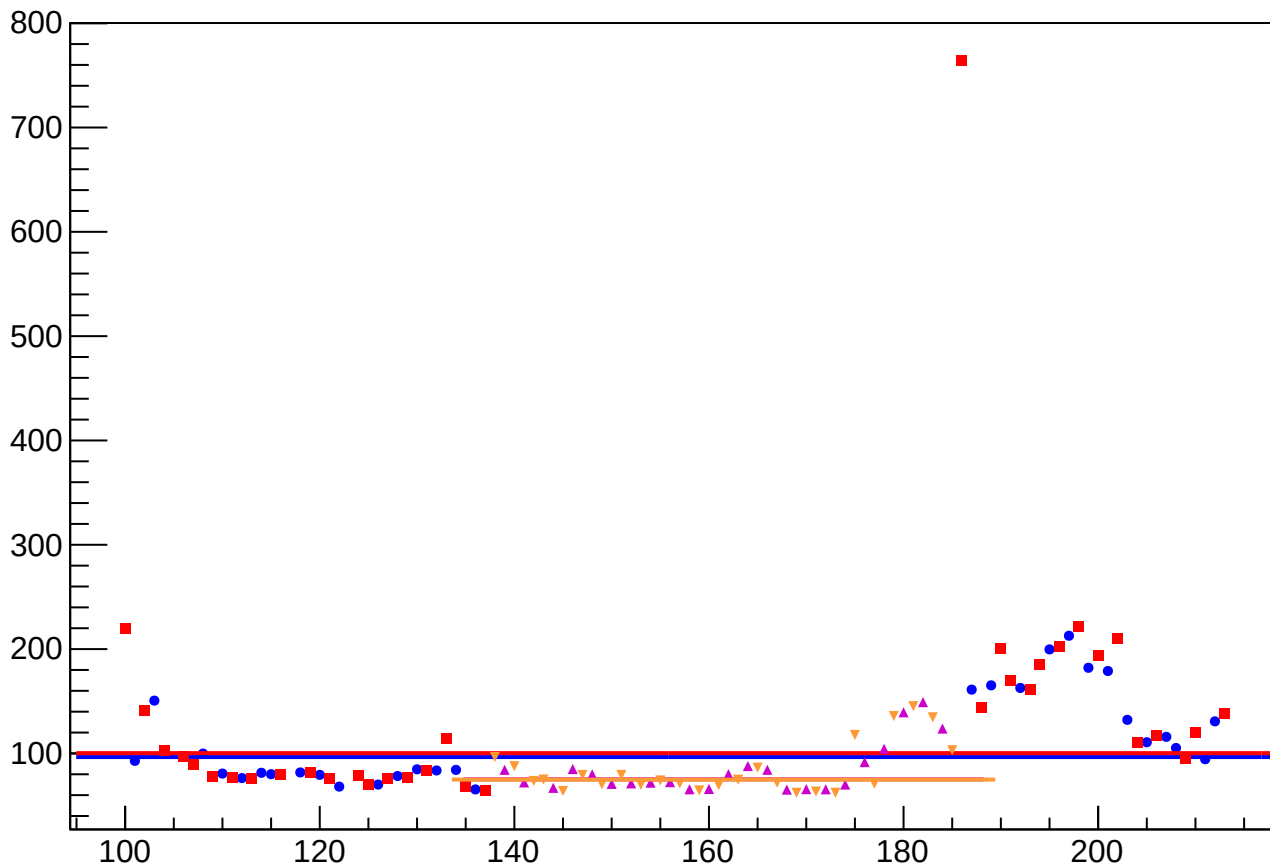
Left In: -61.723 ± 18.192 χ^2/NDF : 36.7/22

+ sign 22.034 ± 14.386 χ^2/NDF : 49.4/53

All: -9.344 ± 10.289 χ^2/NDF : 152.4/110

- sign -42.206 ± 14.722 χ^2/NDF : 93.3/56

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 96.508 $\pm$ 0.018 χ^2 /NDF: 3636891.0/28

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF:1661550.3/24

Right Out: 100.268 $\pm$ 0.018 χ^2 /NDF: 4952314.8/33

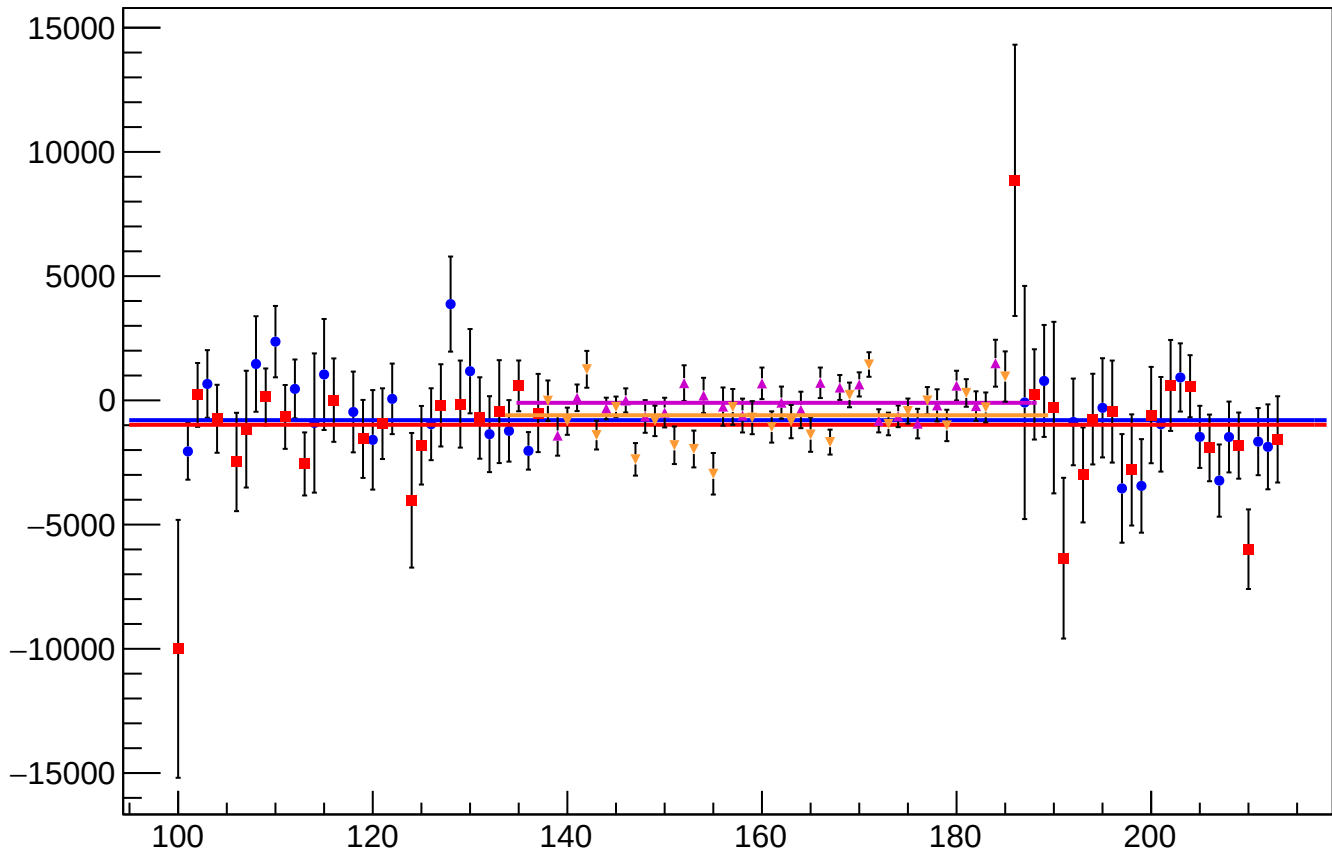
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF:1312527.7/22

+ sign 82.187 $\pm$ 0.010 χ^2 /NDF: 6306588.2/53

All: 82.985 $\pm$ 0.007 χ^2 /NDF: 13899166.4/110

- sign 83.821 $\pm$ 0.010 χ^2 /NDF: 7579970.9/56

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -797.115 ± 279.784 χ^2/NDF : 31.0/28

Left Out: -598.825 ± 119.324 χ^2/NDF : 65.0/24

Right Out: -982.646 ± 281.532 χ^2/NDF : 33.5/33

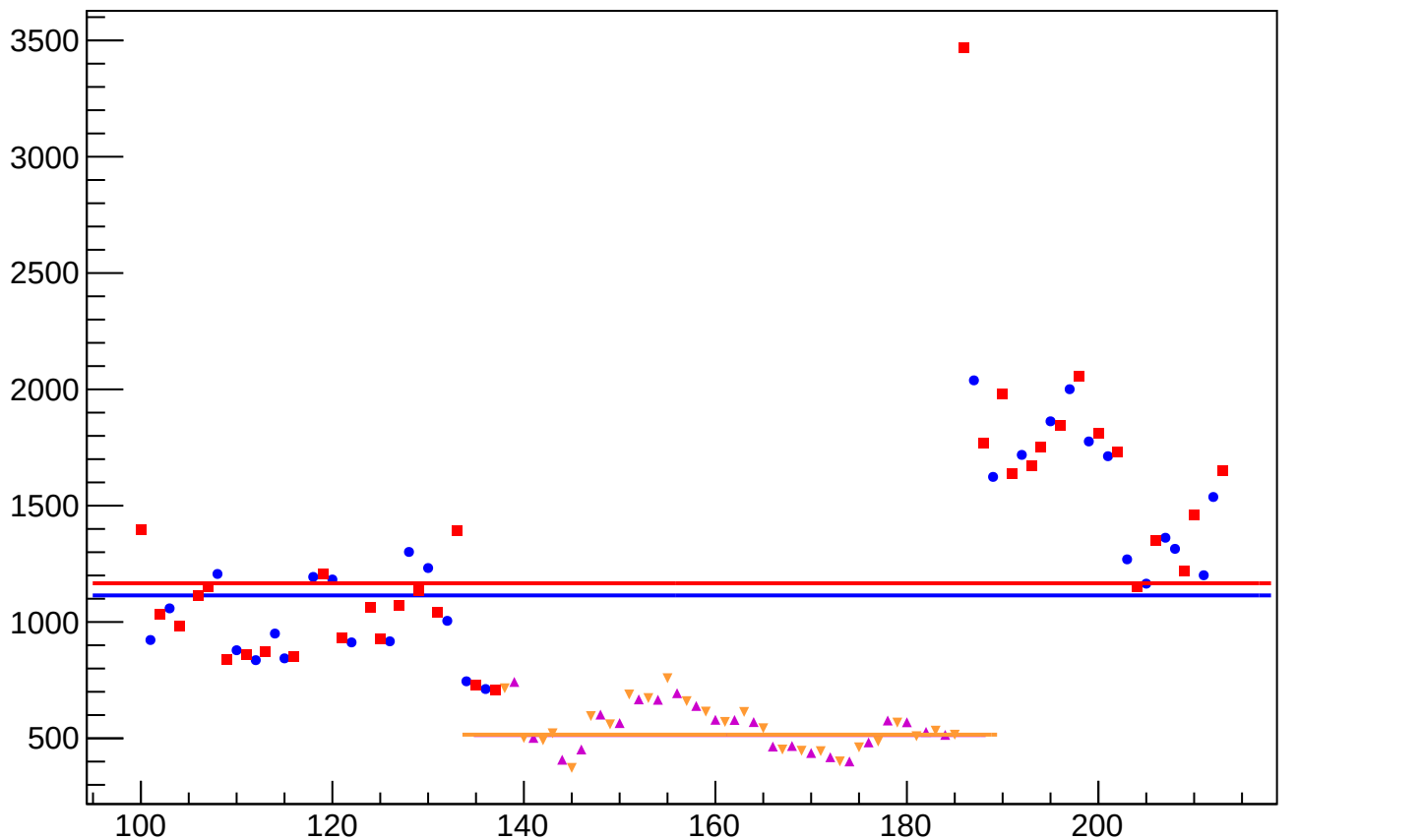
Left In: -99.101 ± 122.310 χ^2/NDF : 23.7/22

+ sign -629.342 ± 109.758 χ^2/NDF : 96.5/53

All: -438.620 ± 78.453 χ^2/NDF : 168.2/110

- sign -239.387 ± 112.181 χ^2/NDF : 65.5/56

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 1114.290 ± 0.198 $\chi^2/\text{NDF}: 2864845.7/28$

Left Out: 515.761 ± 0.084 $\chi^2/\text{NDF}: 1232481.1/24$

Right Out: 1166.434 ± 0.199 $\chi^2/\text{NDF}: 3485493.6/33$

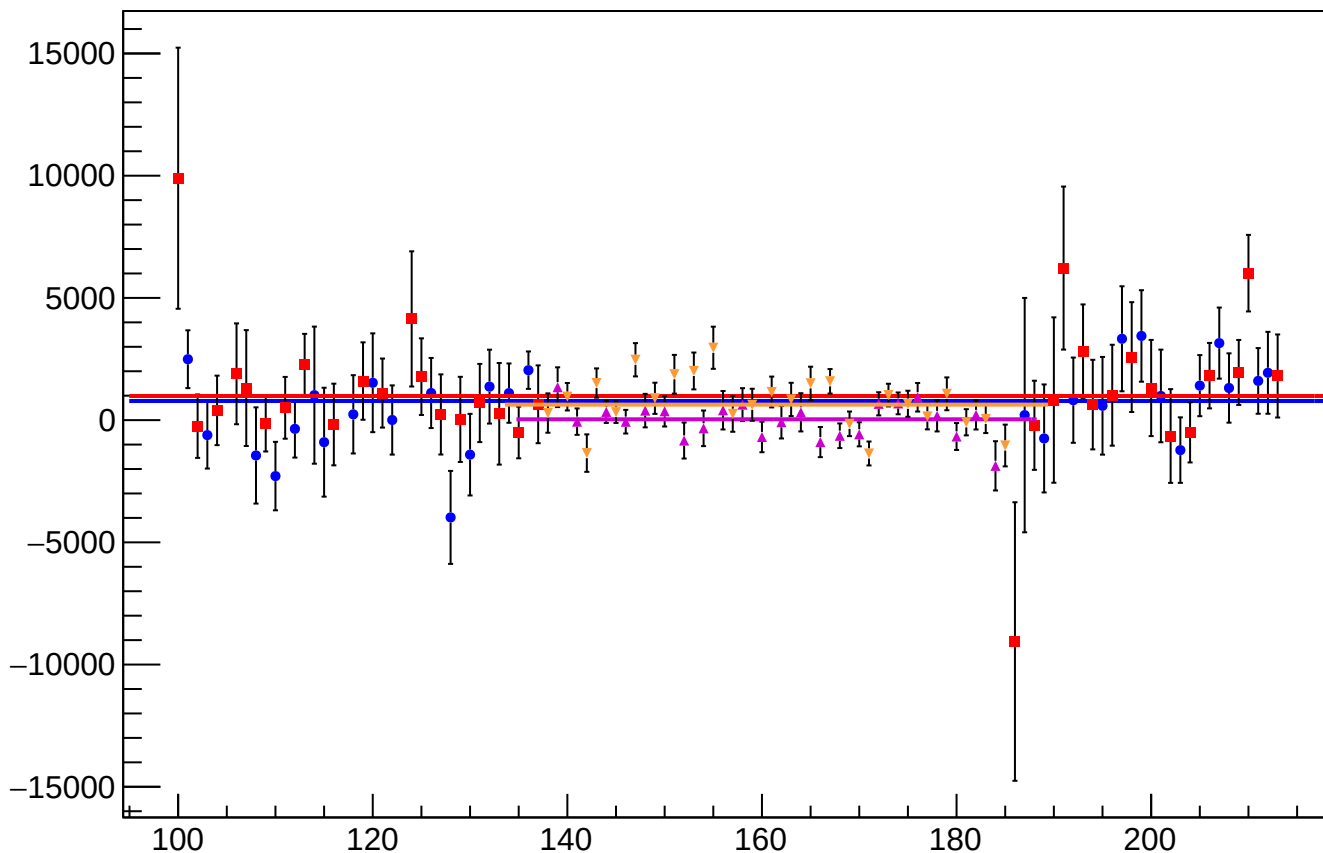
Left In: 514.087 ± 0.086 $\chi^2/\text{NDF}: 1116882.7/22$

+ sign 607.873 ± 0.078 $\chi^2/\text{NDF}: 11841572.6/53$

All: 612.661 ± 0.055 $\chi^2/\text{NDF}: 25485013.2/11$

- sign 617.664 ± 0.079 $\chi^2/\text{NDF}: 13635656.9/56$

asym_sam_12345678_avg_mean vs Slug



Right In: 782.397 $\pm$ 279.161 χ^2 /NDF: 32.4/28

Left Out: 634.783 $\pm$ 120.717 χ^2 /NDF: 64.5/24

Right Out: 987.294 $\pm$ 282.404 χ^2 /NDF: 32.2/33

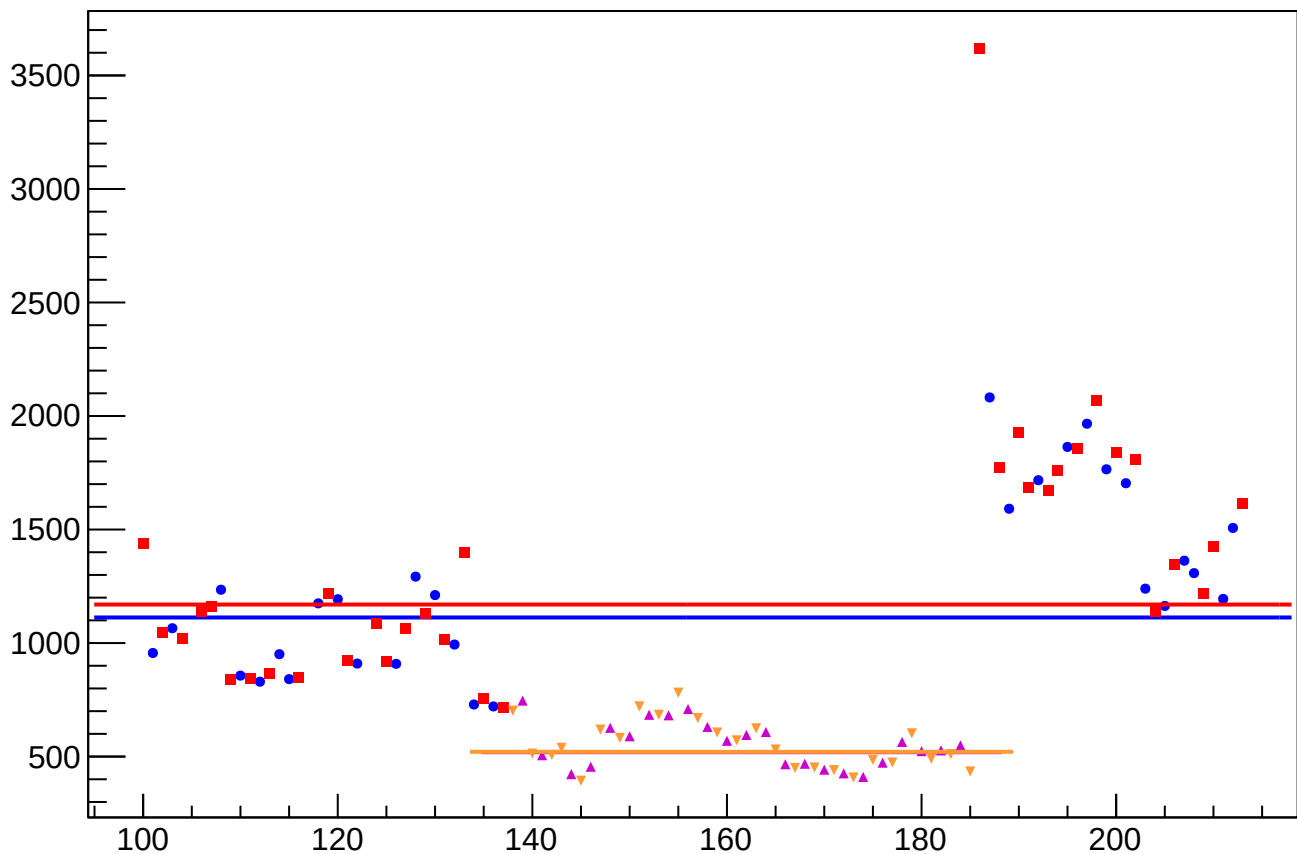
Left In: 34.808 $\pm$ 123.517 χ^2 /NDF: 25.1/22

+ sign 658.038 $\pm$ 110.801 χ^2 /NDF: 97.1/53

All: 427.864 $\pm$ 79.171 χ^2 /NDF: 172.8/110

- sign 187.759 $\pm$ 113.166 χ^2 /NDF: 66.9/56

asym_sam_12345678_avg_rms vs Slug



Right In: 1112.594 $\pm$ 0.197 χ^2 /NDF: 2801475.1/28

Left Out: 521.025 $\pm$ 0.085 χ^2 /NDF:1243003.9/24

Right Out: 1169.566 $\pm$ 0.200 χ^2 /NDF: 3479201.9/33

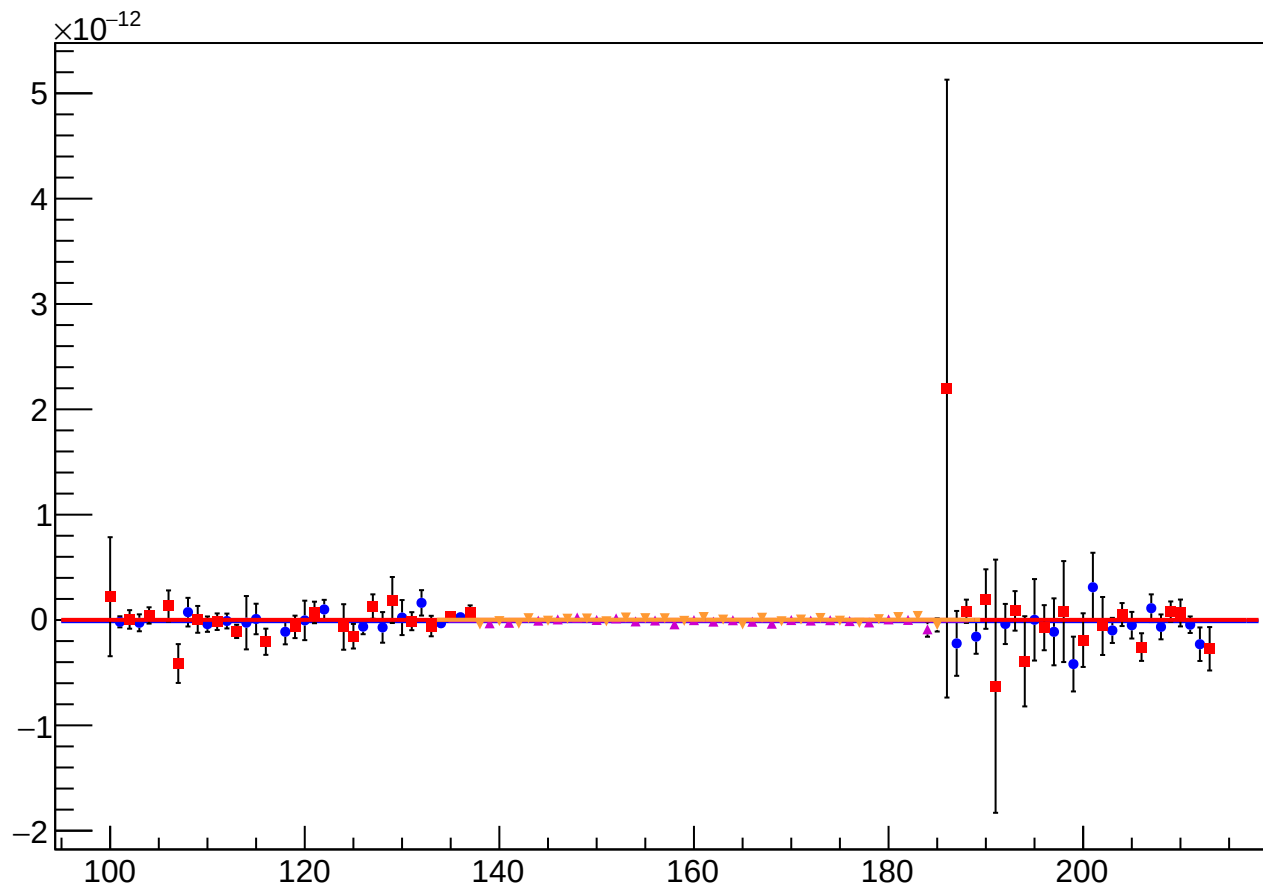
Left In: 519.239 $\pm$ 0.087 χ^2 /NDF:1100553.3/22

+ sign 614.218 $\pm$ 0.078 χ^2 /NDF: 11610743.2/53

All: 618.844 $\pm$ 0.056 χ^2 /NDF: 25100489.9/11

- sign 623.669 $\pm$ 0.080 χ^2 /NDF: 13482624.2/56

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.0/28

Left Out: 0.000 ± 0.000 χ^2/NDF : 22.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 29.9/33

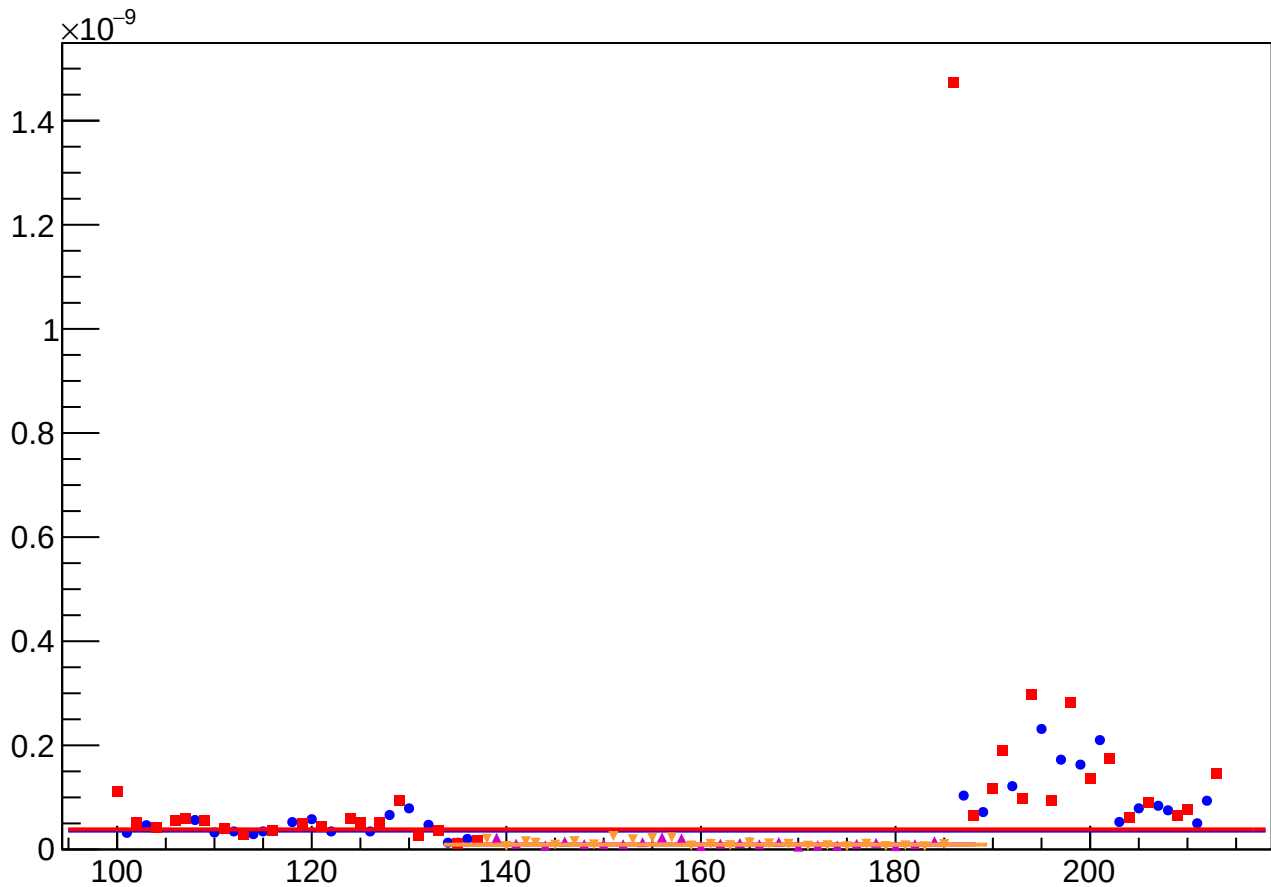
Left In: -0.000 ± 0.000 χ^2/NDF : 10.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 39.0/53

All: -0.000 ± 0.000 χ^2/NDF : 81.2/110

- sign -0.000 ± 0.000 χ^2/NDF : 40.8/56

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5116126.2/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6541574.8/33

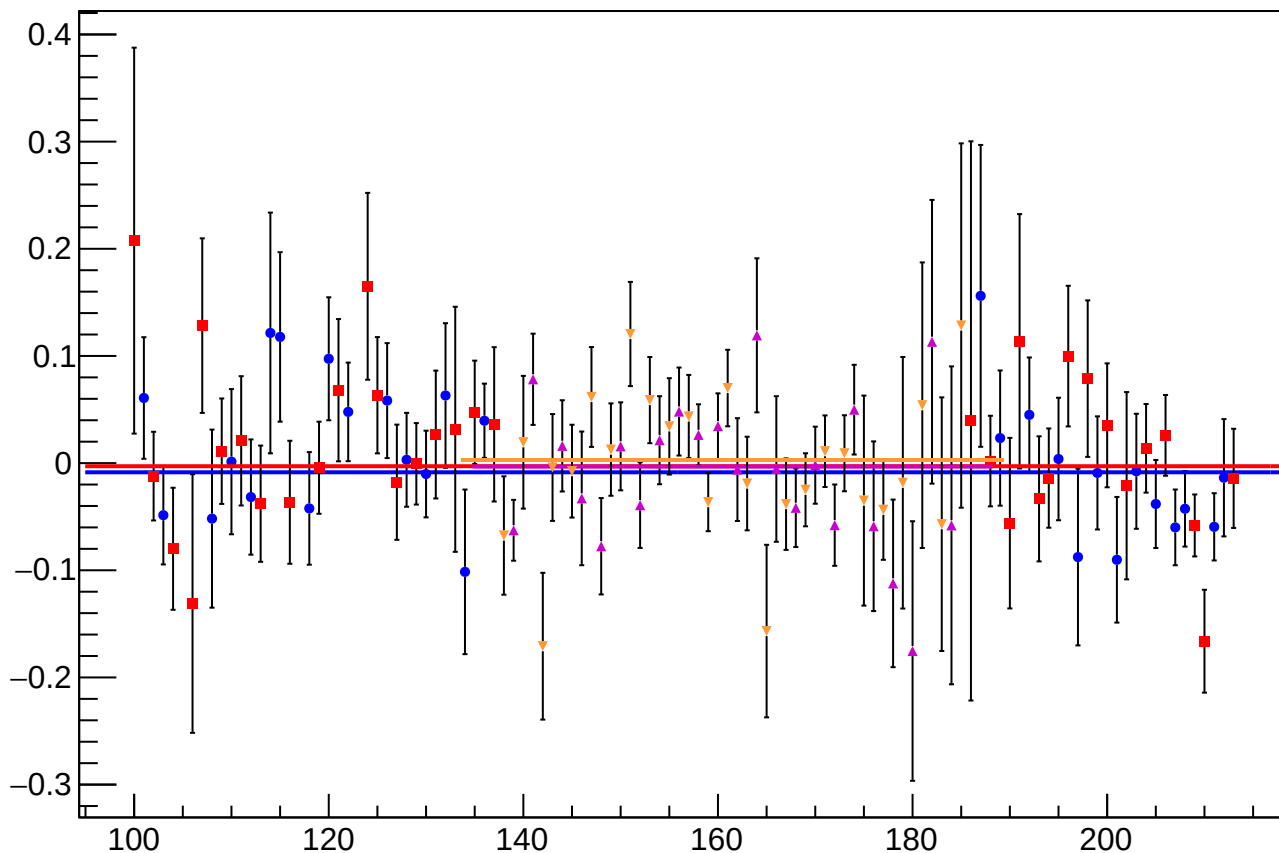
Left In: 0.000+/-0.000 χ^2/NDF : 1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 12448163.7/53

All: 0.000+/-0.000 χ^2/NDF : 25747361.6/110

- sign 0.000+/-0.000 χ^2/NDF : 13287659.9/56

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.009 χ^2/NDF : 29.8/28

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.003 ± 0.009 χ^2/NDF : 38.1/33

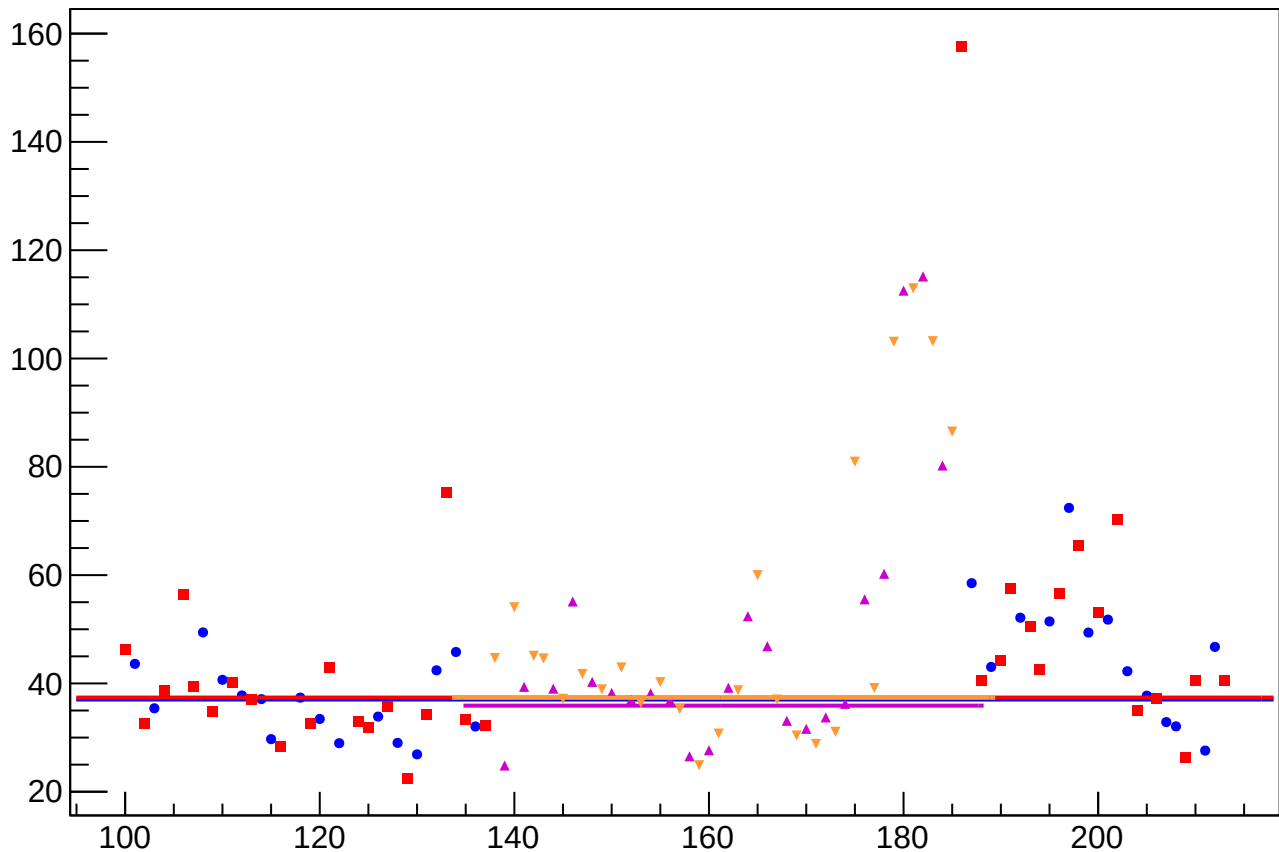
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.007 χ^2/NDF : 63.4/53

All: -0.003 ± 0.005 χ^2/NDF : 131.4/110

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/56

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.031 $\pm$ 0.007 χ^2 /NDF: 1732743.7/28

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 37.389 $\pm$ 0.007 χ^2 /NDF: 2620948.3/33

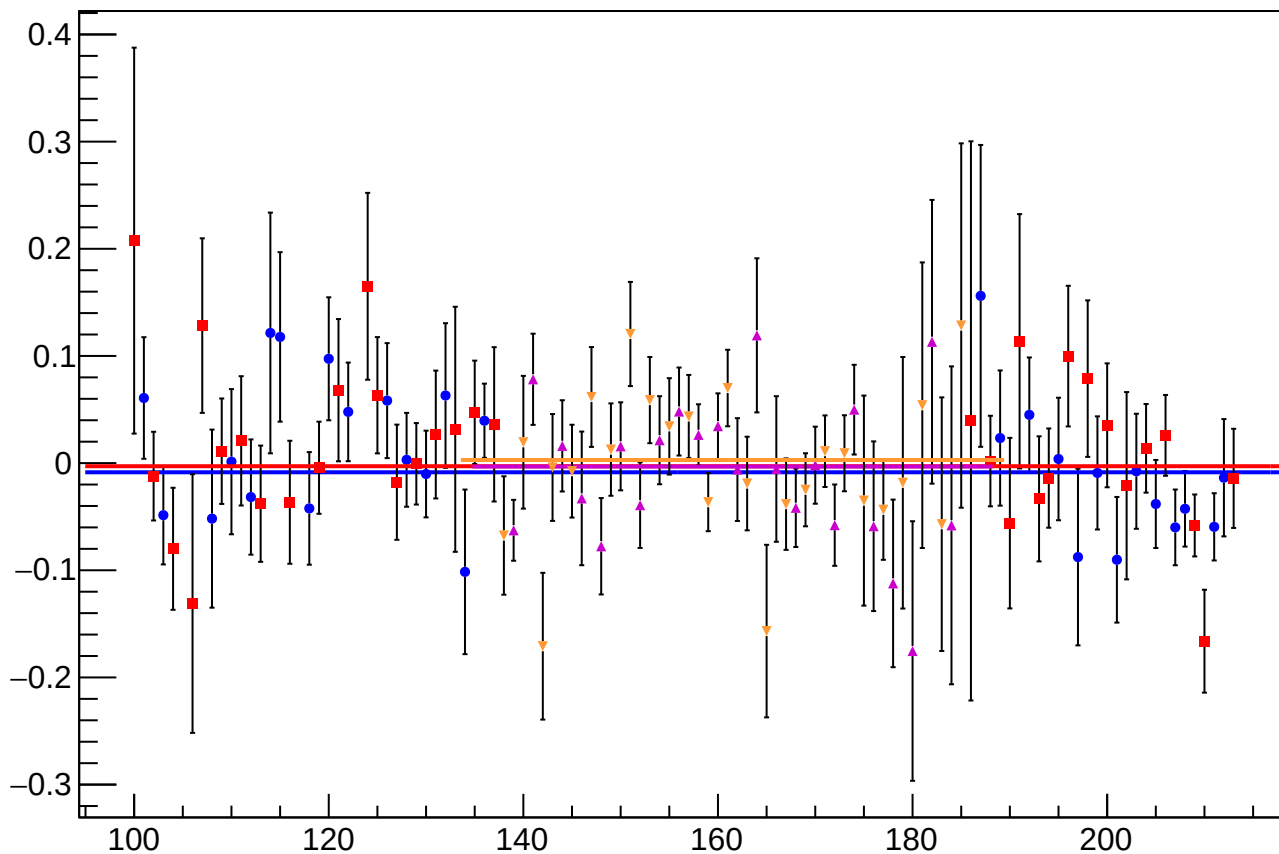
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 37.190 $\pm$ 0.005 χ^2 /NDF: 5430510.7/53

All: 36.907 $\pm$ 0.003 χ^2 /NDF: 11223152.0/110

- sign 36.630 $\pm$ 0.005 χ^2 /NDF: 5785365.5/56

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.009 χ^2/NDF : 29.8/28

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.003 ± 0.009 χ^2/NDF : 38.1/33

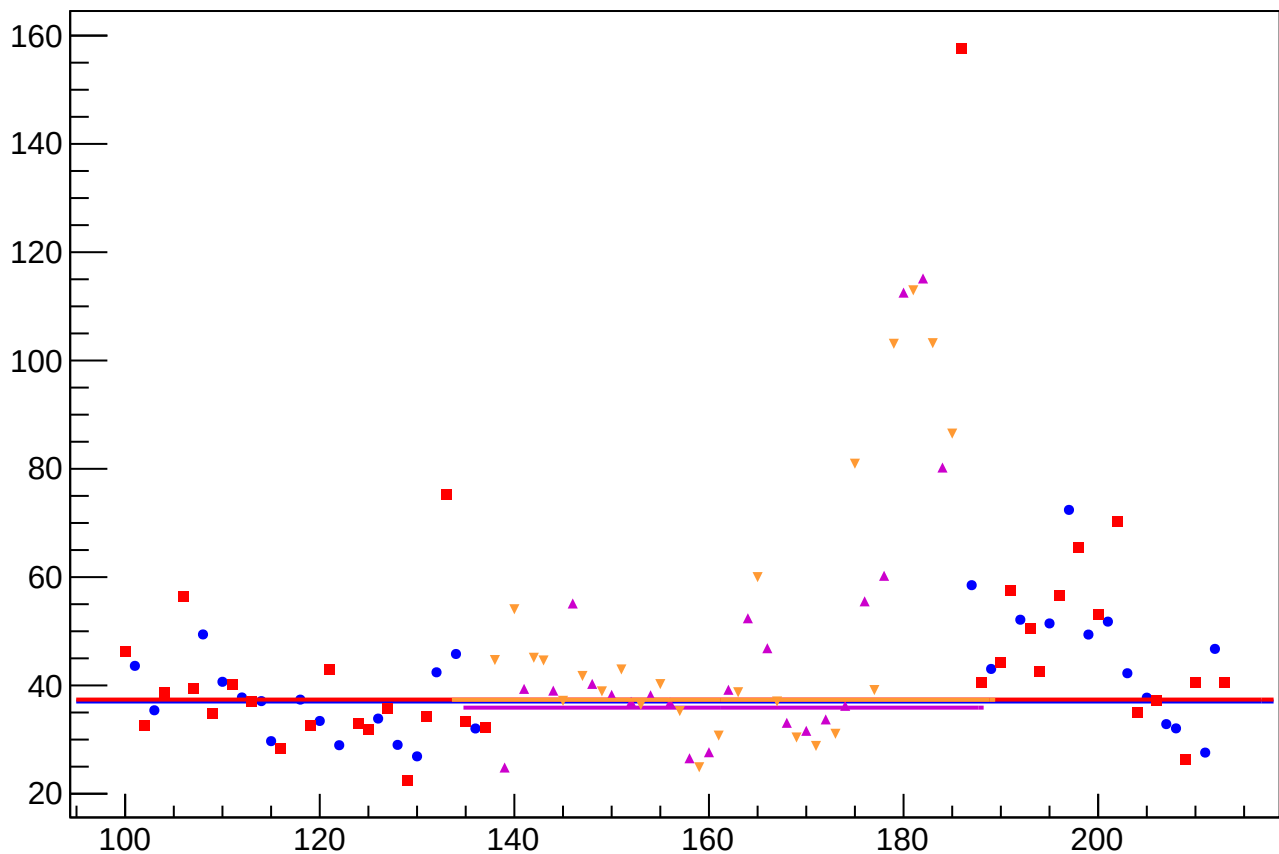
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.007 χ^2/NDF : 63.4/53

All: -0.003 ± 0.005 χ^2/NDF : 131.4/110

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/56

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.031 $\pm$ 0.007 χ^2 /NDF: 1732743.7/28

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696647.0/24

Right Out: 37.389 $\pm$ 0.007 χ^2 /NDF: 2620948.3/33

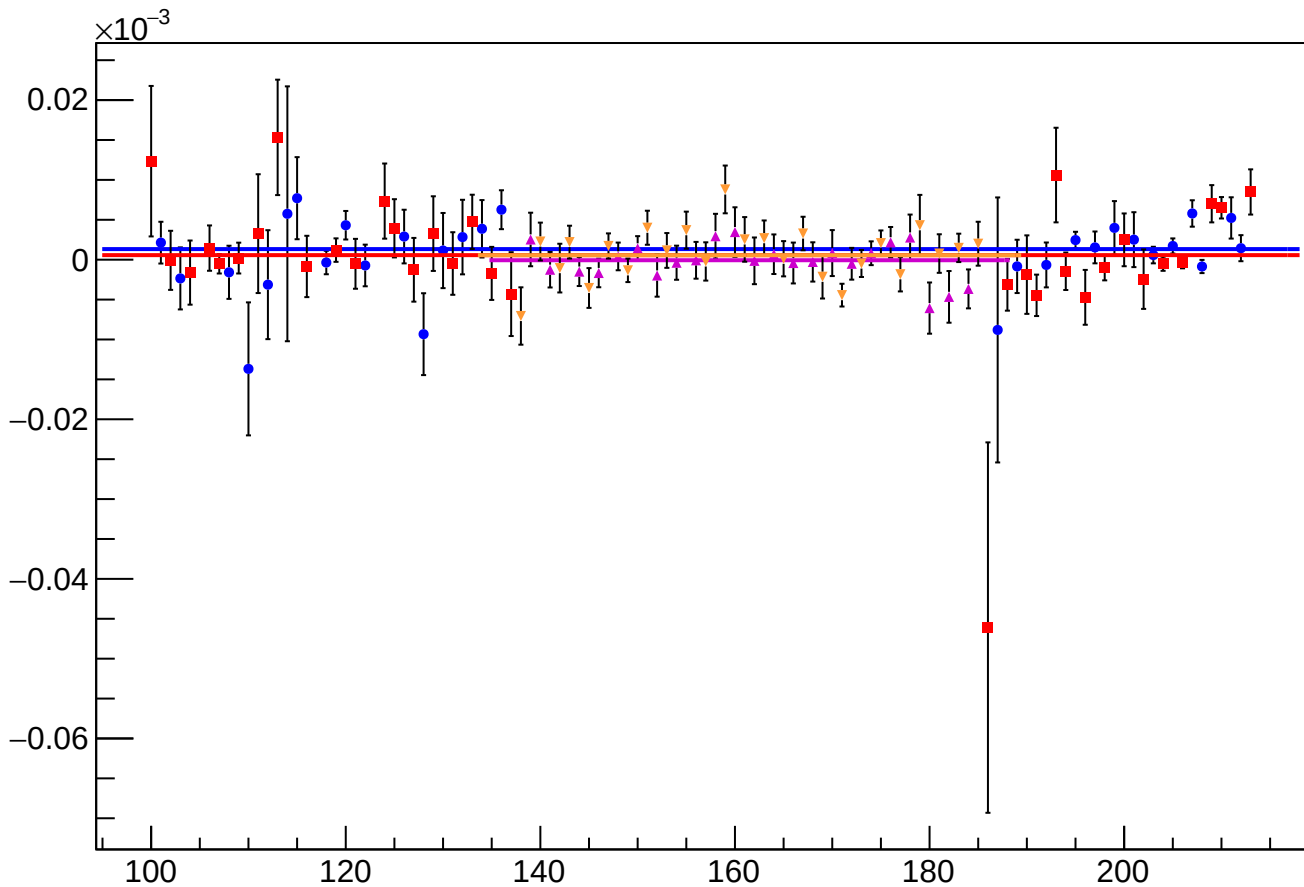
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138291.6/22

+ sign 37.190 $\pm$ 0.005 χ^2 /NDF: 5430510.7/53

All: 36.907 $\pm$ 0.003 χ^2 /NDF: 11223152.0/110

- sign 36.630 $\pm$ 0.005 χ^2 /NDF: 5785365.5/56

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.4/28

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:43.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.3/33

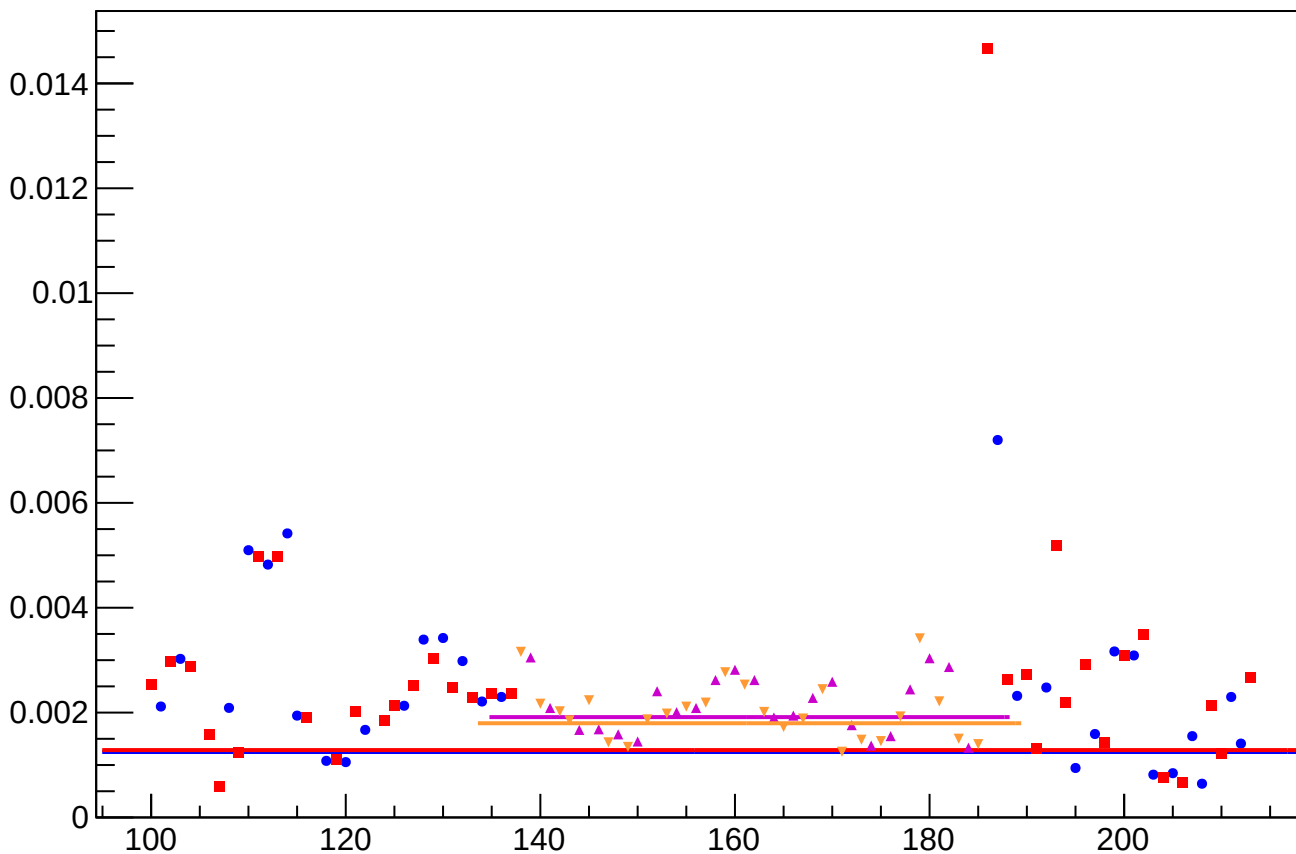
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:16.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 86.9/53

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 177.2/110

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 87.4/56

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 8217044.9/28

Left Out: 0.002+/-0.000 χ^2/NDF : 2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 10878952.6/33

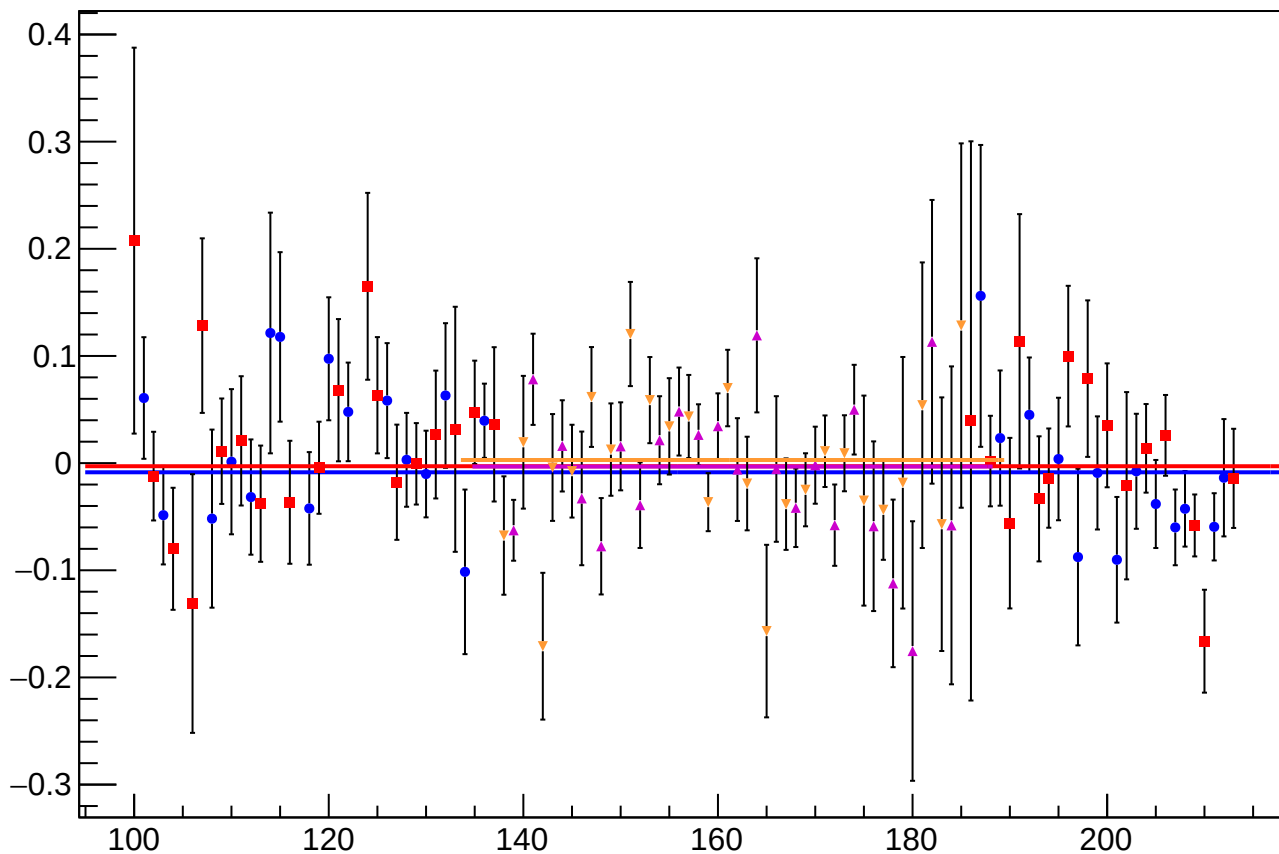
Left In: 0.002+/-0.000 χ^2/NDF : 2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 12442817.4/53

All: 0.002+/-0.000 χ^2/NDF : 27785453.0/110

- sign 0.002+/-0.000 χ^2/NDF : 15315343.8/56

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.009 χ^2/NDF : 29.8/28

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.003 ± 0.009 χ^2/NDF : 38.1/33

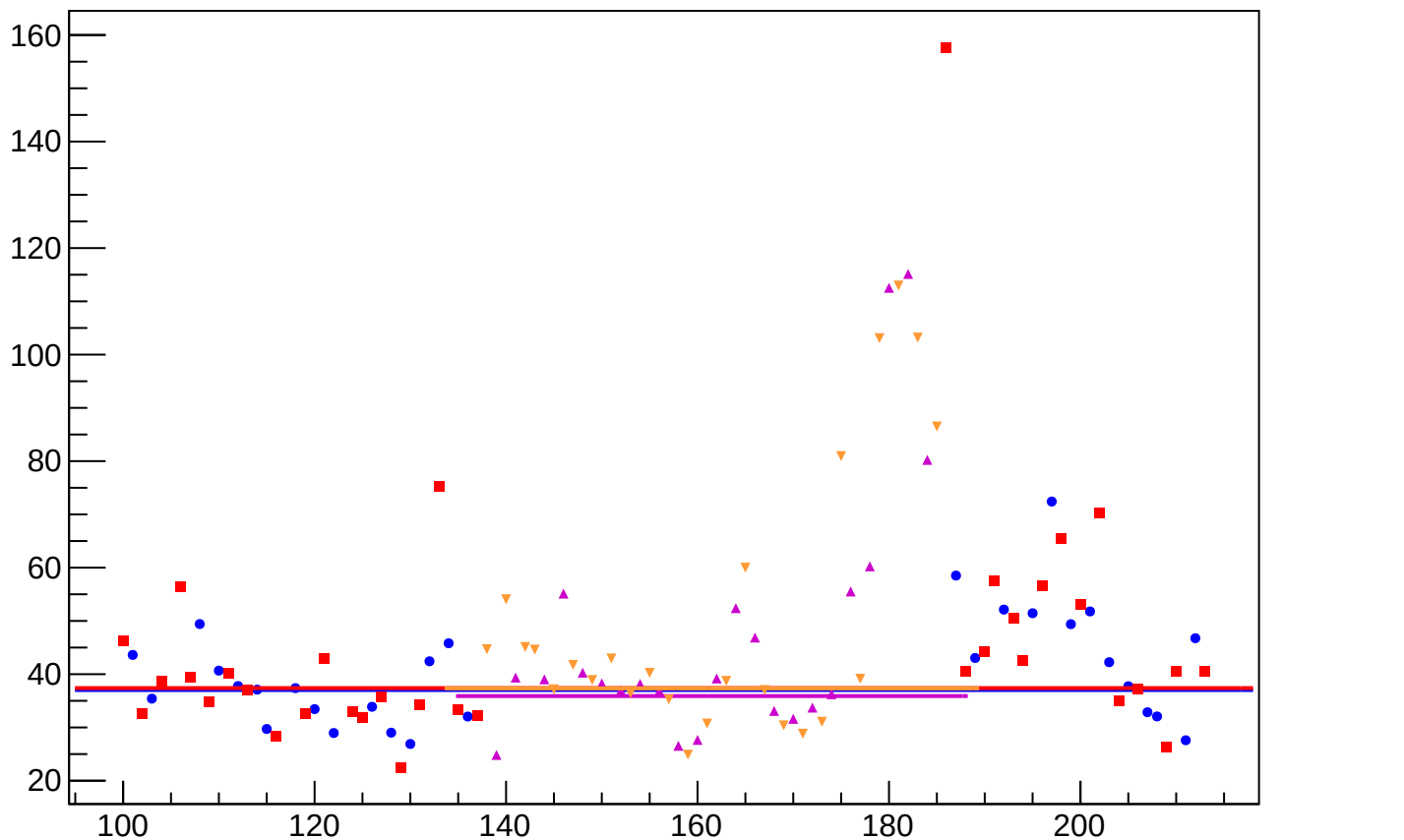
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.007 χ^2/NDF : 63.4/53

All: -0.003 ± 0.005 χ^2/NDF : 131.4/110

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/56

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.031 $\pm$ 0.007 χ^2 /NDF: 1732779.8/28

Left Out: 37.344 $\pm$ 0.007 χ^2 /NDF: 3696697.3/24

Right Out: 37.389 $\pm$ 0.007 χ^2 /NDF: 2621025.1/33

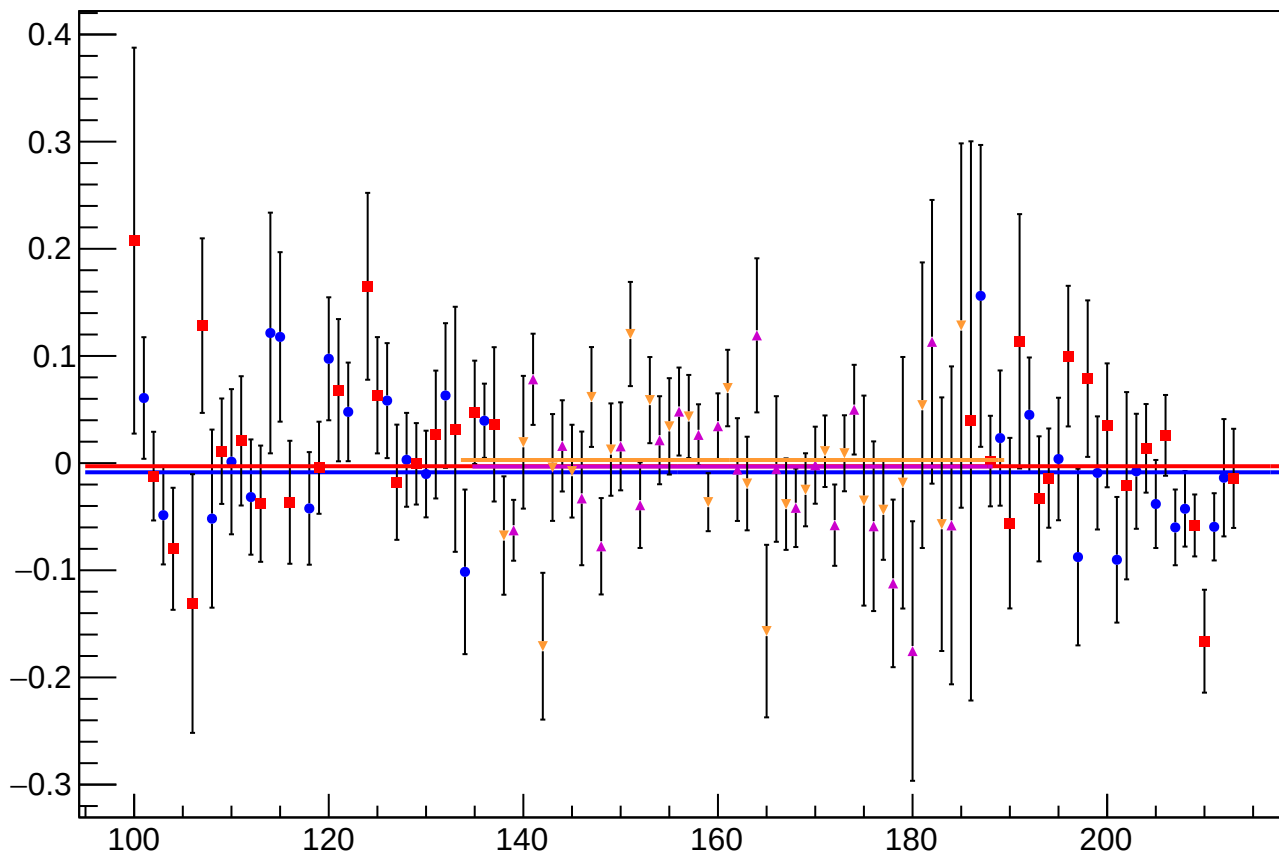
Left In: 35.896 $\pm$ 0.006 χ^2 /NDF: 3138307.4/22

+ sign 37.190 $\pm$ 0.005 χ^2 /NDF: 5430601.2/53

All: 36.907 $\pm$ 0.003 χ^2 /NDF: 11223310.9/110

- sign 36.630 $\pm$ 0.005 χ^2 /NDF: 5785436.4/56

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.009 χ^2/NDF : 29.8/28

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: -0.003 ± 0.009 χ^2/NDF : 38.1/33

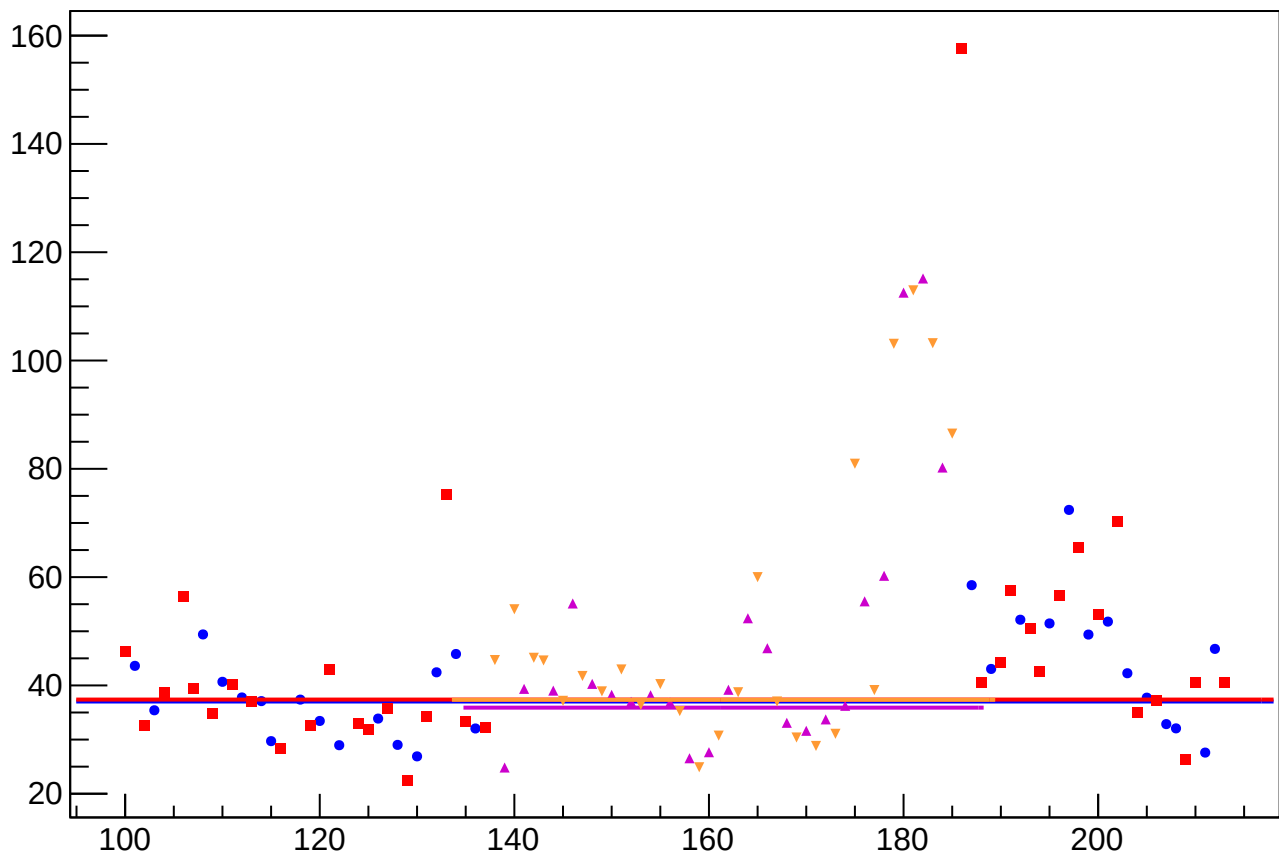
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign -0.003 ± 0.007 χ^2/NDF : 63.4/53

All: -0.003 ± 0.005 χ^2/NDF : 131.4/110

- sign -0.003 ± 0.007 χ^2/NDF : 67.9/56

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.031 ± 0.007 $\chi^2/\text{NDF}: 1732779.8/28$

Left Out: 37.344 ± 0.007 $\chi^2/\text{NDF}: 3696697.3/24$

Right Out: 37.389 ± 0.007 $\chi^2/\text{NDF}: 2621025.1/33$

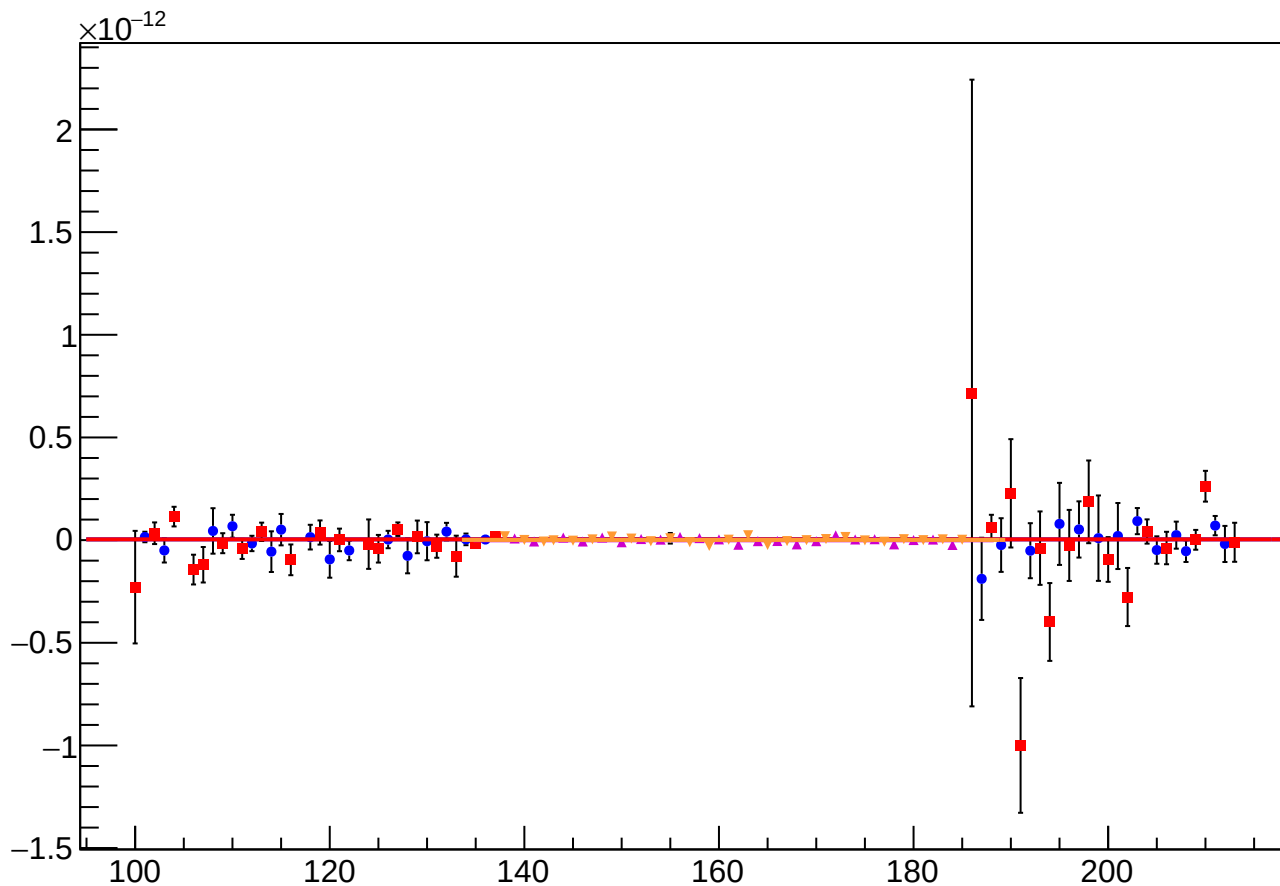
Left In: 35.896 ± 0.006 $\chi^2/\text{NDF}: 3138307.4/22$

+ sign 37.190 ± 0.005 $\chi^2/\text{NDF}: 5430601.2/53$

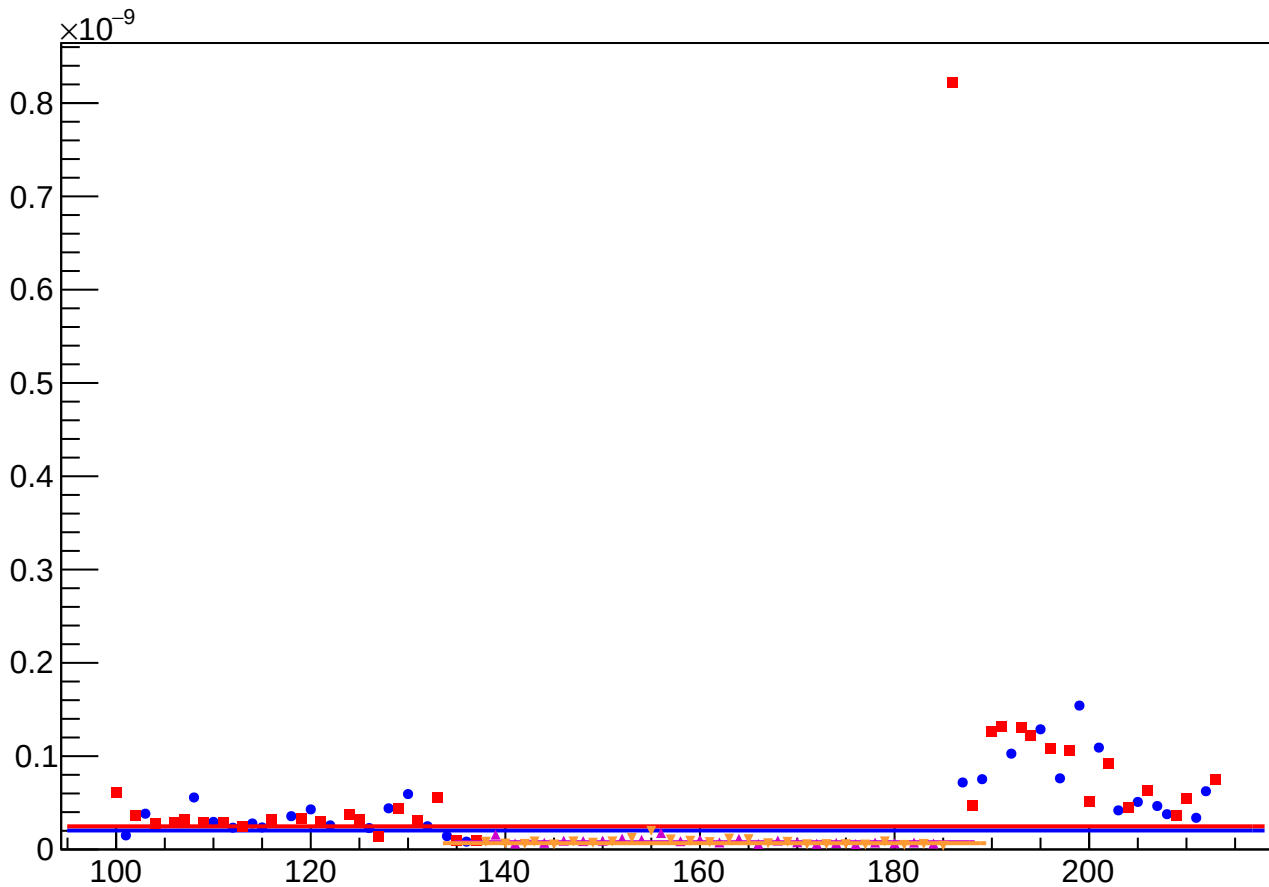
All: 36.907 ± 0.003 $\chi^2/\text{NDF}: 11223310.9/110$

- sign 36.630 ± 0.005 $\chi^2/\text{NDF}: 5785436.4/56$

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8737977.5/28

Left Out: 0.000+/-0.000 χ^2/NDF : 2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8618855.2/33

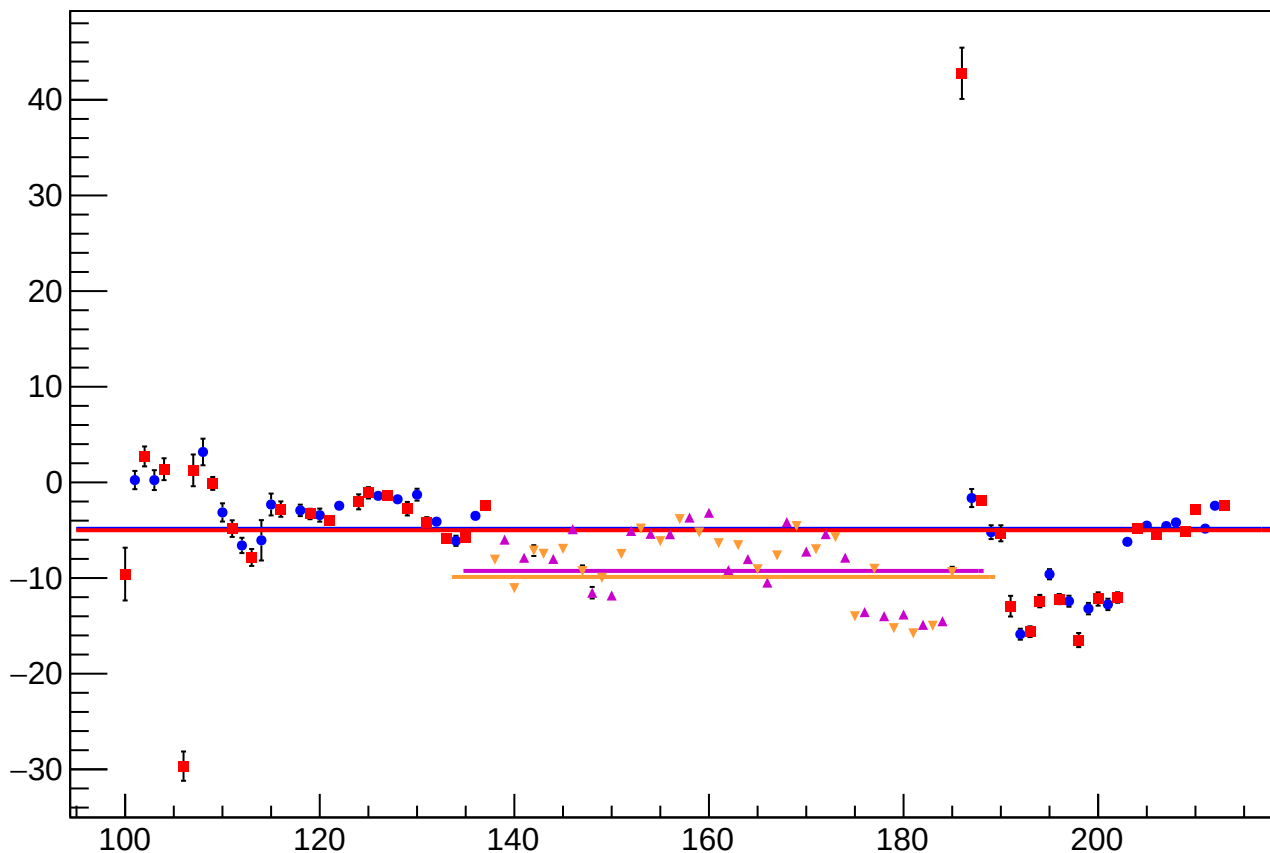
Left In: 0.000+/-0.000 χ^2/NDF : 1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 16210437.3/53

All: 0.000+/-0.000 χ^2/NDF : 32929775.6/110

- sign 0.000+/-0.000 χ^2/NDF : 16375382.1/56

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.853 ± 0.093 χ^2/NDF : 1360.4/28

Left Out: -9.886 ± 0.070 χ^2/NDF : 3206.9/24

Right Out: -5.001 ± 0.090 χ^2/NDF : 2382.4/33

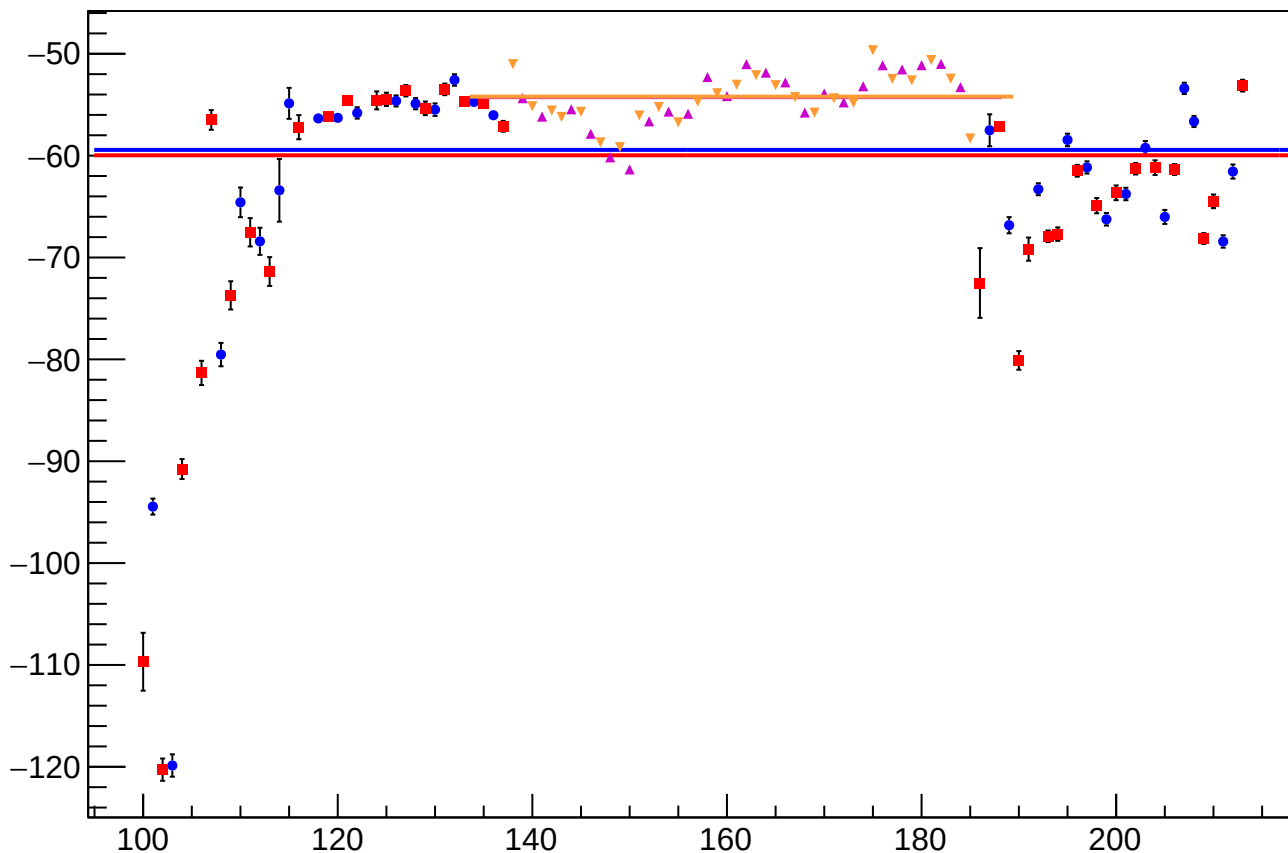
Left In: -9.255 ± 0.072 χ^2/NDF : 3067.6/22

+ sign -8.086 ± 0.056 χ^2/NDF : 6441.2/53

All: -7.852 ± 0.040 χ^2/NDF : 13287.5/110

- sign -7.614 ± 0.056 χ^2/NDF : 6810.6/56

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.435 ± 0.108 χ^2/NDF : 6988.2/28

Left Out: -54.206 ± 0.056 χ^2/NDF : 1857.6/24

Right Out: -59.965 ± 0.107 χ^2/NDF : 7480.4/33

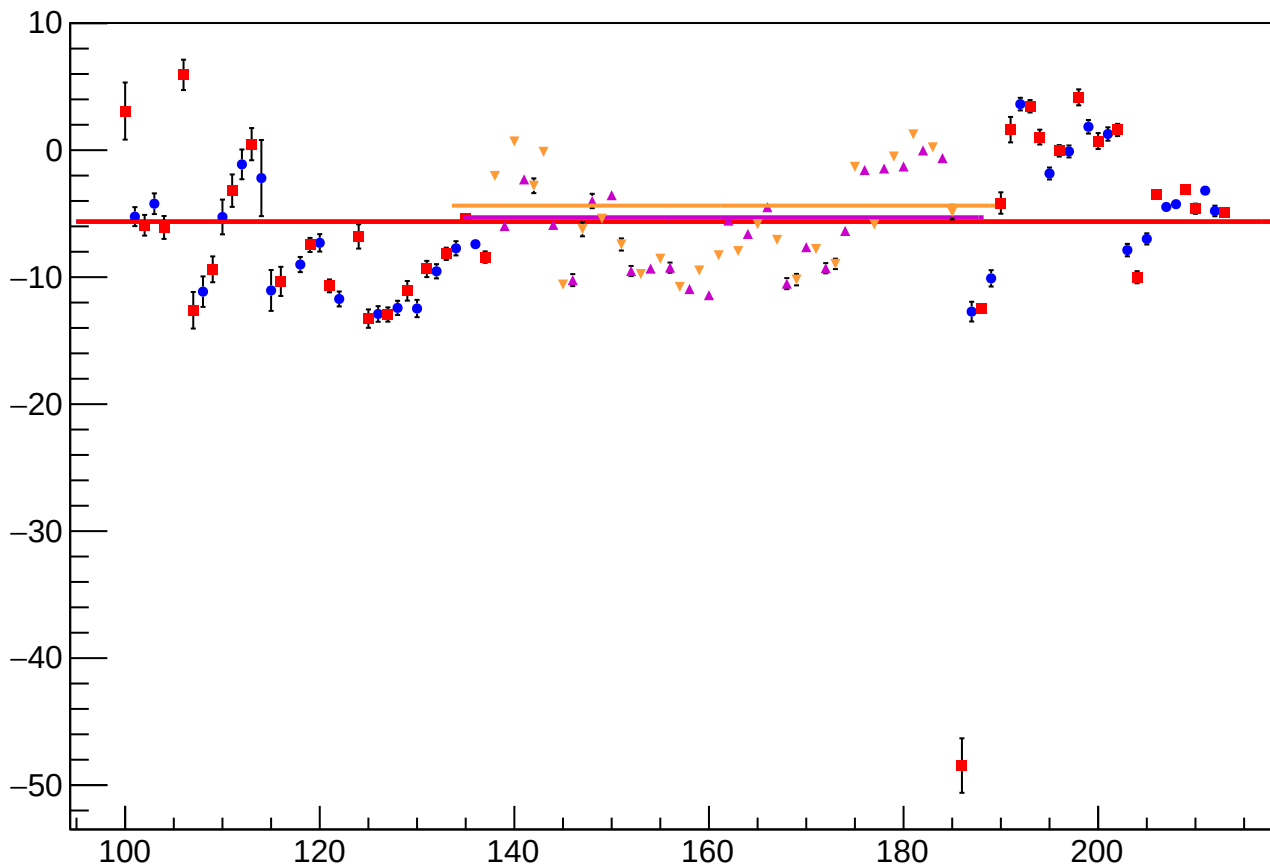
Left In: -54.257 ± 0.058 χ^2/NDF : 2489.9/22

+ sign -55.309 ± 0.050 χ^2/NDF : 10695.6/53

All: -55.436 ± 0.036 χ^2/NDF : 22885.1/110

- sign -55.571 ± 0.051 χ^2/NDF : 12176.0/56

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.607 ± 0.093 χ^2/NDF : 1875.2/28

Left Out: -4.366 ± 0.069 χ^2/NDF : 3701.4/24

Right Out: -5.649 ± 0.090 χ^2/NDF : 3273.4/33

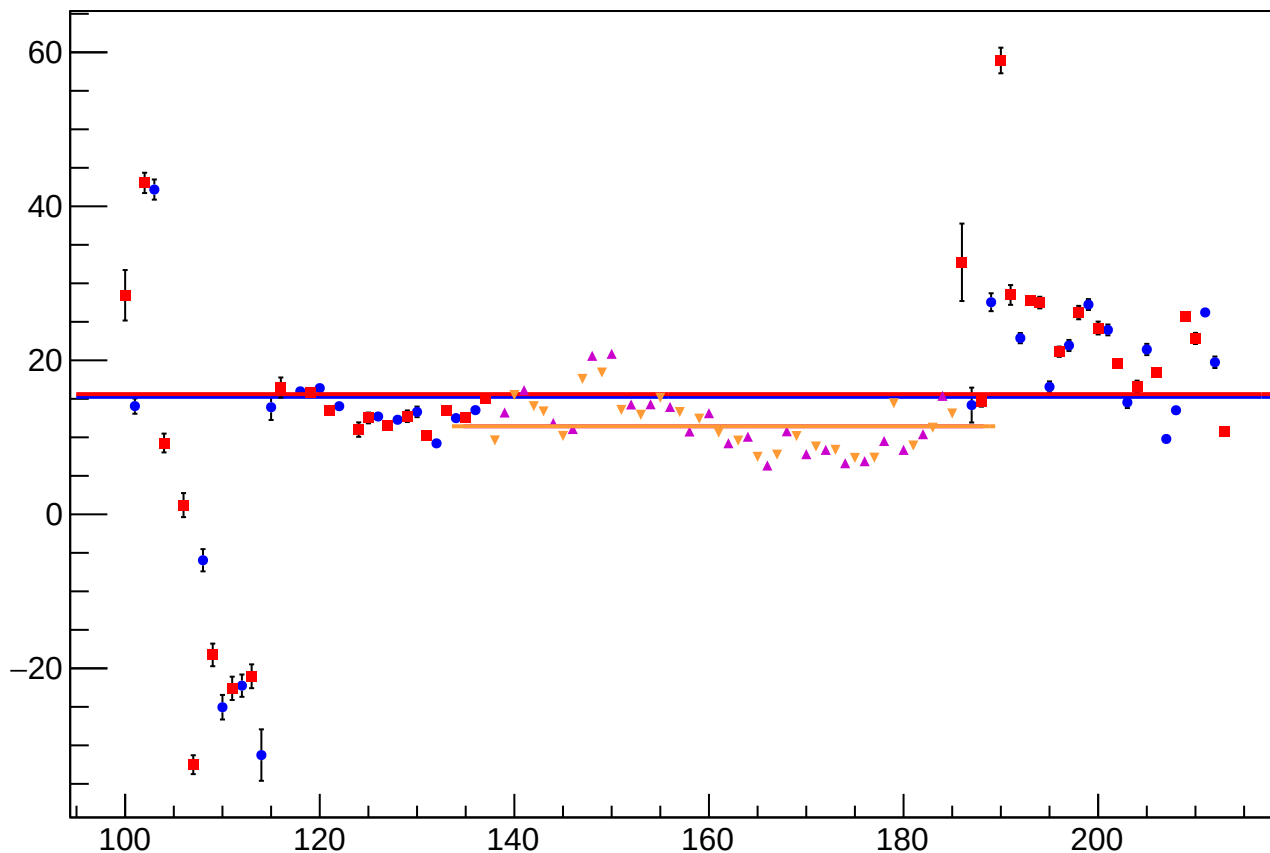
Left In: -5.283 ± 0.071 χ^2/NDF : 2750.2/22

+ sign -4.806 ± 0.056 χ^2/NDF : 5690.4/53

All: -5.113 ± 0.039 χ^2/NDF : 11785.3/110

- sign -5.423 ± 0.056 χ^2/NDF : 6033.7/56

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 15.261 $\pm$ 0.120 χ^2 /NDF: 3642.4/28

Left Out: 11.438 $\pm$ 0.062 χ^2 /NDF: 2435.7/24

Right Out: 15.609 $\pm$ 0.121 χ^2 /NDF: 6396.5/33

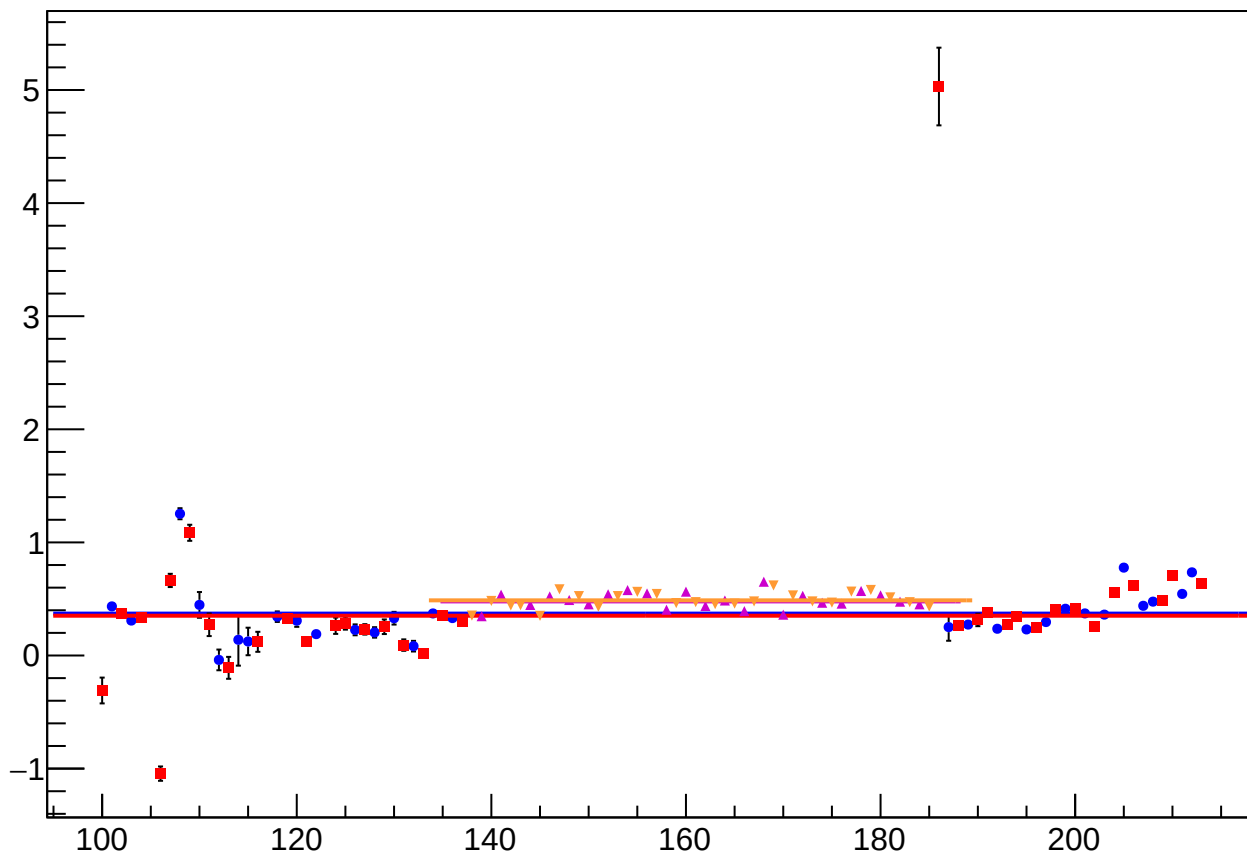
Left In: 11.441 $\pm$ 0.064 χ^2 /NDF: 3358.4/22

+ sign 12.240 $\pm$ 0.055 χ^2 /NDF: 6875.7/53

All: 12.299 $\pm$ 0.040 χ^2 /NDF: 17563.2/110

- sign 12.361 $\pm$ 0.057 χ^2 /NDF: 10685.2/56

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.370 ± 0.005 $\chi^2/\text{NDF}: 880.8/28$

Left Out: 0.488 ± 0.003 $\chi^2/\text{NDF}: 539.4/24$

Right Out: 0.352 ± 0.005 $\chi^2/\text{NDF}: 1534.7/33$

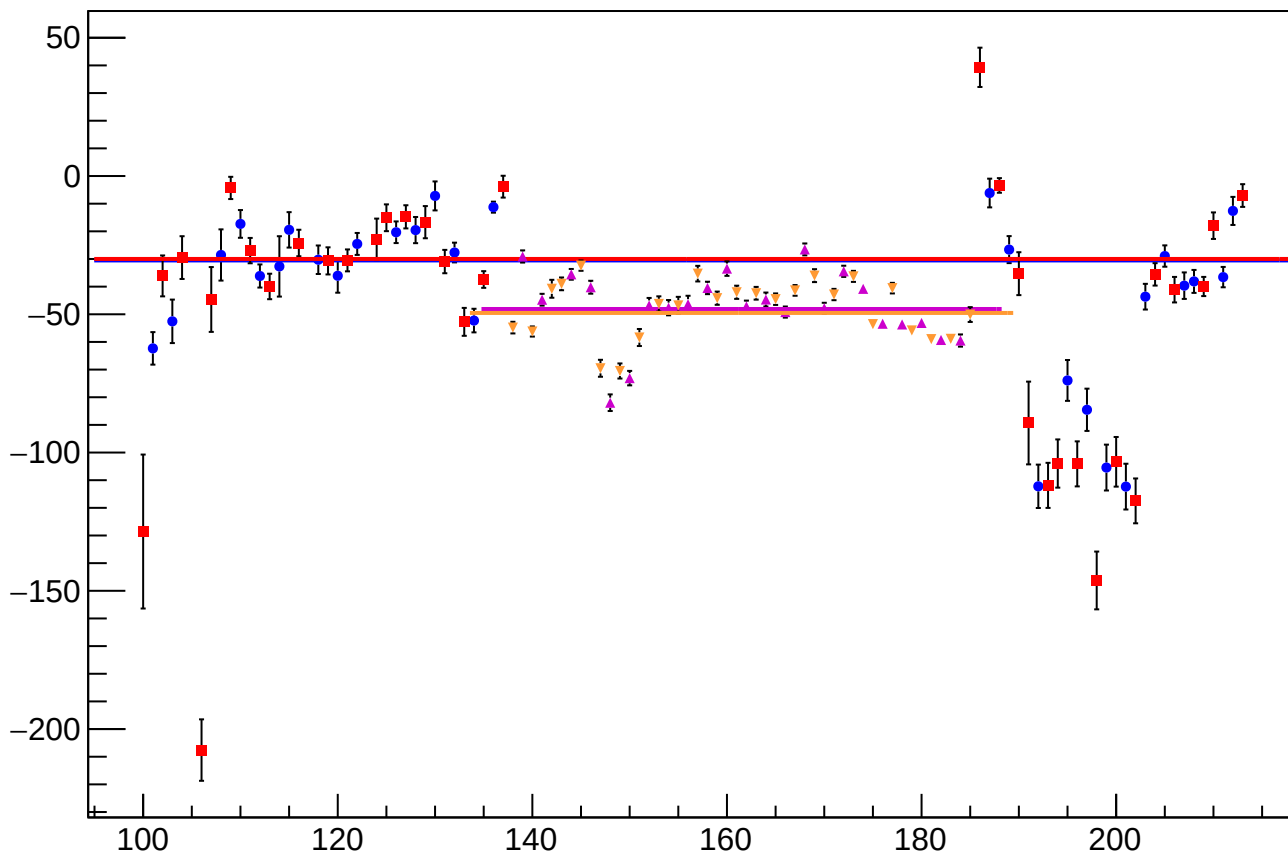
Left In: 0.478 ± 0.003 $\chi^2/\text{NDF}: 798.2/22$

+ sign 0.463 ± 0.002 $\chi^2/\text{NDF}: 1813.3/53$

All: 0.457 ± 0.002 $\chi^2/\text{NDF}: 4603.8/110$

- sign 0.452 ± 0.002 $\chi^2/\text{NDF}: 2779.8/56$

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.523 ± 0.866 χ^2/NDF : 629.8/28

Left Out: -49.516 ± 0.402 χ^2/NDF : 576.3/24

Right Out: -29.991 ± 0.867 χ^2/NDF : 1245.4/33

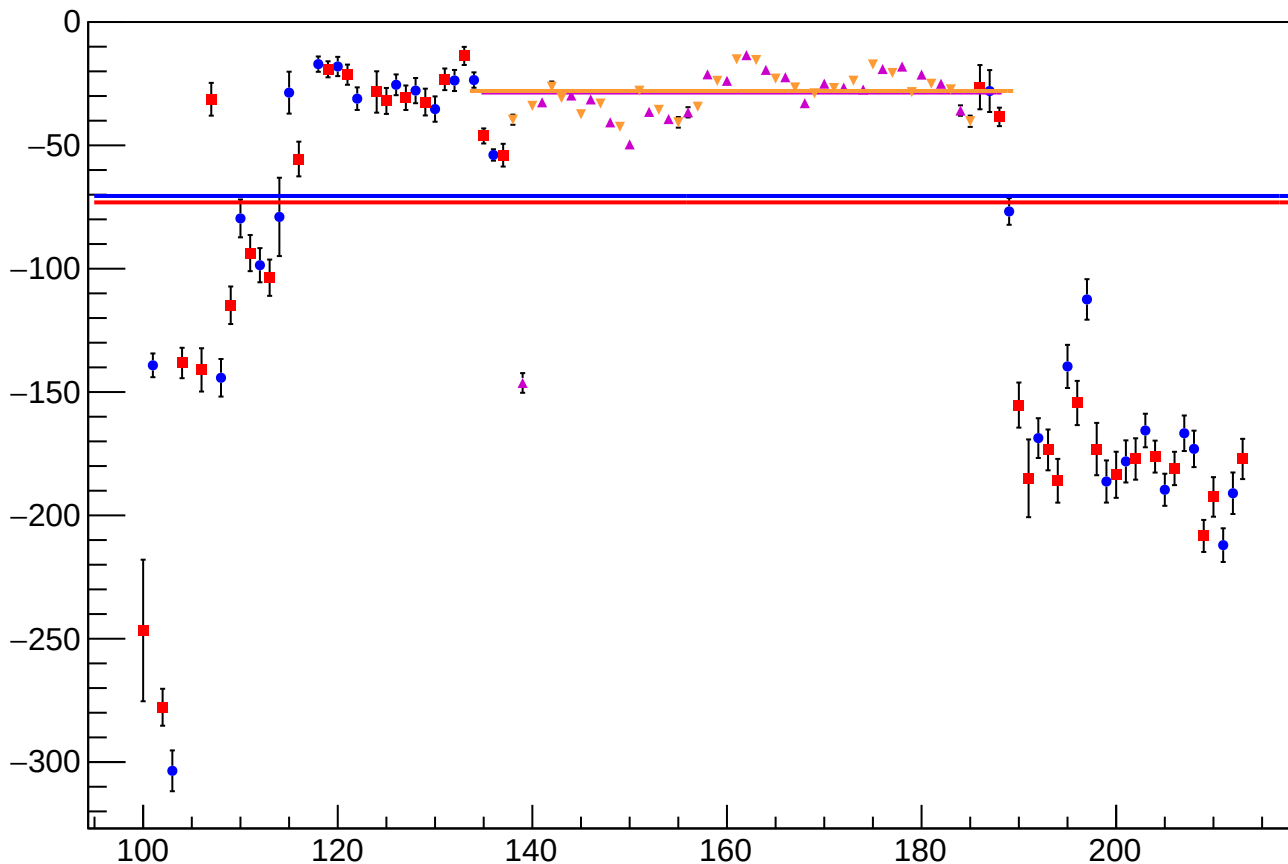
Left In: -48.087 ± 0.418 χ^2/NDF : 706.2/22

+ sign -46.141 ± 0.365 χ^2/NDF : 1602.1/53

All: -45.426 ± 0.262 χ^2/NDF : 3915.1/110

- sign -44.665 ± 0.377 χ^2/NDF : 2305.1/56

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -70.517 ± 0.970 $\chi^2/\text{NDF}: 4454.8/28$

Left Out: -27.957 ± 0.321 $\chi^2/\text{NDF}: 497.7/24$

Right Out: -73.121 ± 1.005 $\chi^2/\text{NDF}: 4540.1/33$

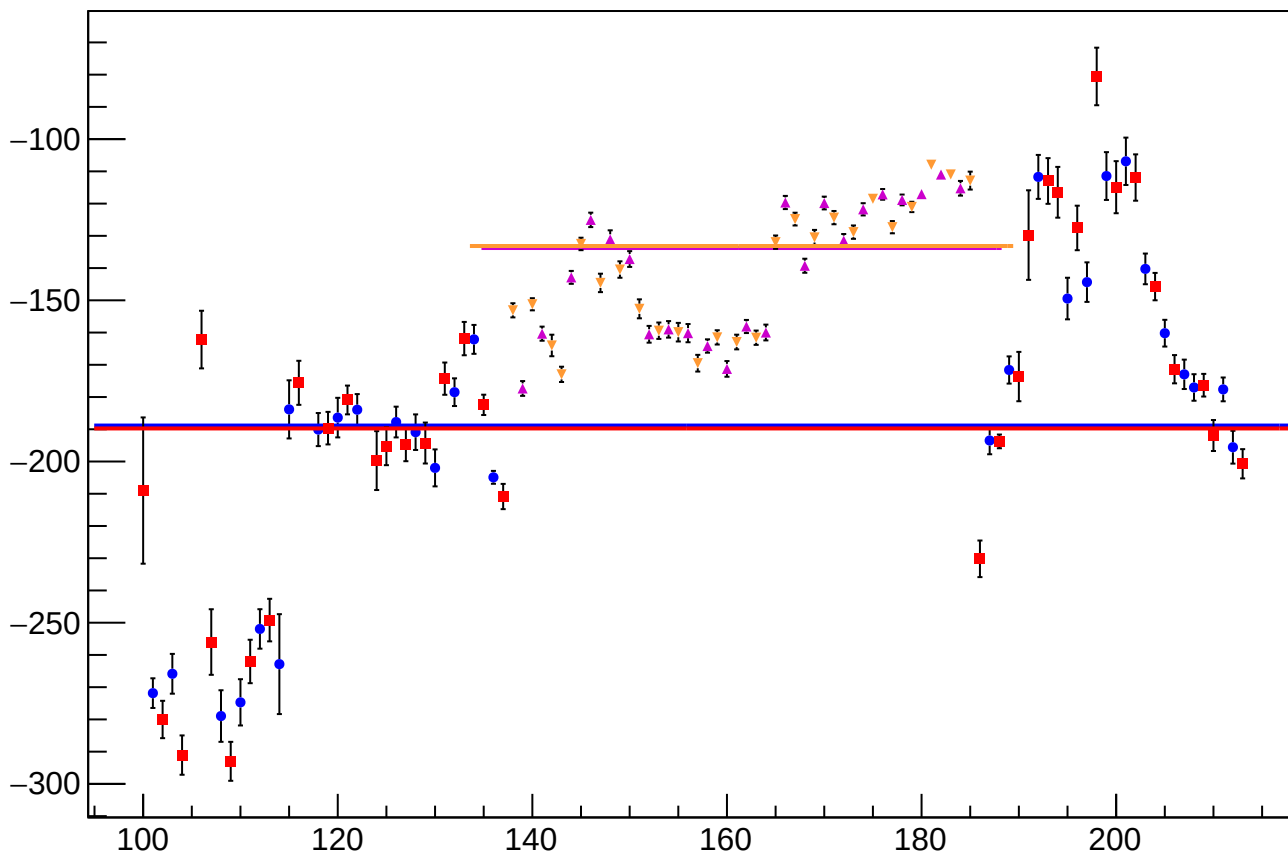
Left In: -28.592 ± 0.334 $\chi^2/\text{NDF}: 1480.6/22$

+ sign -32.158 ± 0.305 $\chi^2/\text{NDF}: 6686.5/53$

All: -32.568 ± 0.220 $\chi^2/\text{NDF}: 14478.1/110$

- sign -33.009 ± 0.317 $\chi^2/\text{NDF}: 7787.8/56$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.847 $\pm$ 0.890 χ^2 /NDF: 1645.3/28

Left Out: -133.155 $\pm$ 0.403 χ^2 /NDF: 2530.7/24

Right Out: -189.747 $\pm$ 0.888 χ^2 /NDF: 2005.0/33

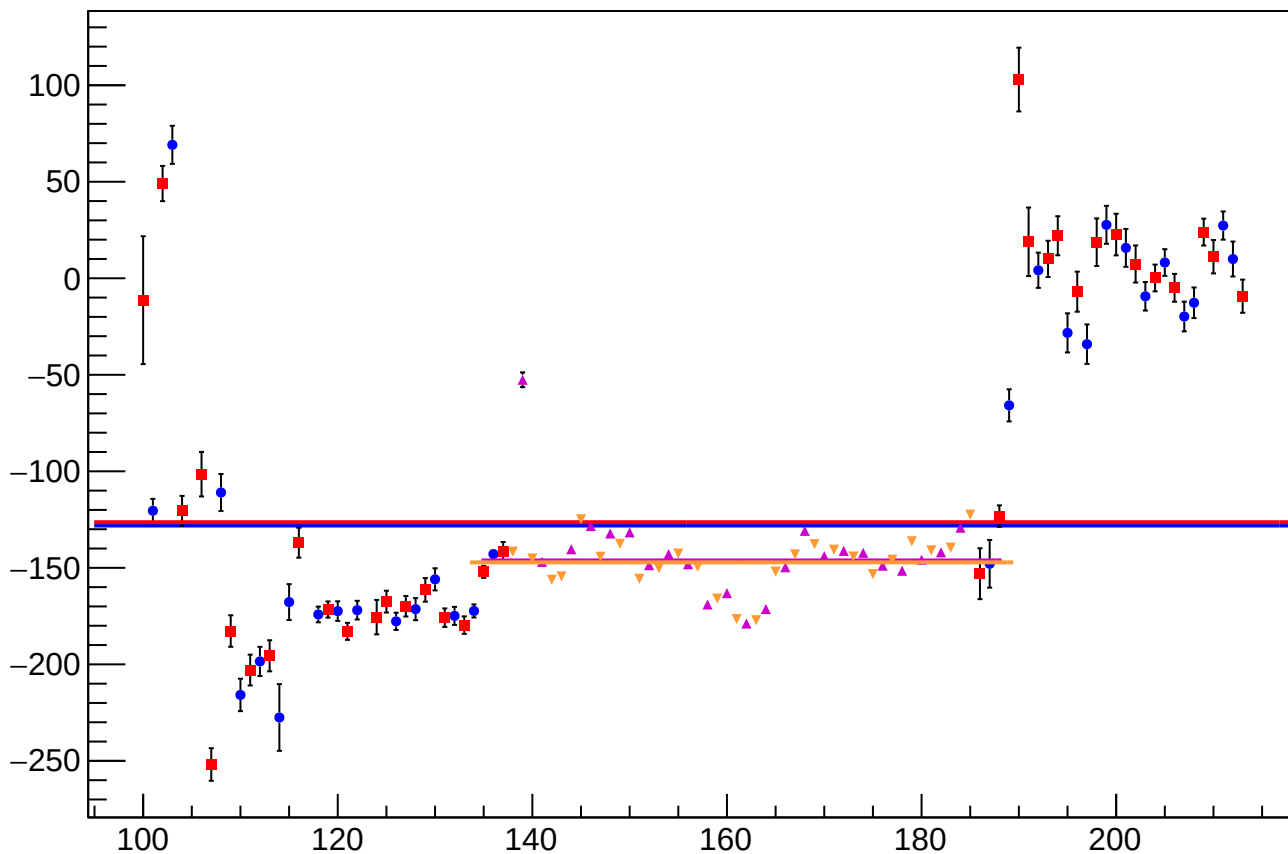
Left In: -133.777 $\pm$ 0.417 χ^2 /NDF: 2440.7/22

+ sign -142.623 $\pm$ 0.367 χ^2 /NDF: 7423.8/53

All: -143.241 $\pm$ 0.263 χ^2 /NDF: 15132.5/110

- sign -143.895 $\pm$ 0.377 χ^2 /NDF: 7702.8/56

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -128.069 ± 1.090 $\chi^2/\text{NDF}: 4113.3/28$

Left Out: -147.167 ± 0.358 $\chi^2/\text{NDF}: 1245.6/24$

Right Out: -126.361 ± 1.148 $\chi^2/\text{NDF}: 4479.9/33$

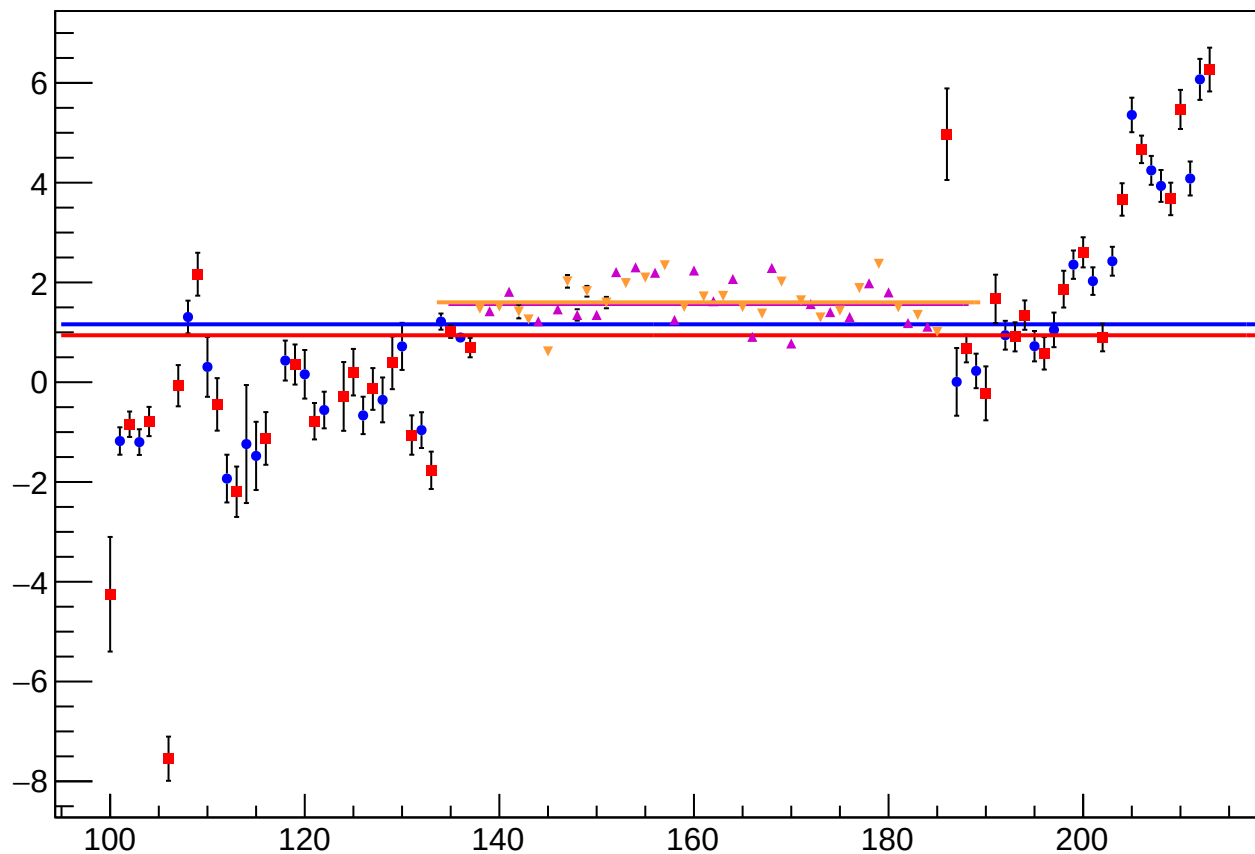
Left In: -146.173 ± 0.371 $\chi^2/\text{NDF}: 1793.8/22$

+ sign -145.306 ± 0.340 $\chi^2/\text{NDF}: 5636.1/53$

All: -144.822 ± 0.245 $\chi^2/\text{NDF}: 12183.8/110$

- sign -144.303 ± 0.353 $\chi^2/\text{NDF}: 6543.6/56$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.161 ± 0.053 $\chi^2/\text{NDF}: 939.9/28$

Left Out: 1.601 ± 0.016 $\chi^2/\text{NDF}: 581.8/24$

Right Out: 0.941 ± 0.056 $\chi^2/\text{NDF}: 1335.7/33$

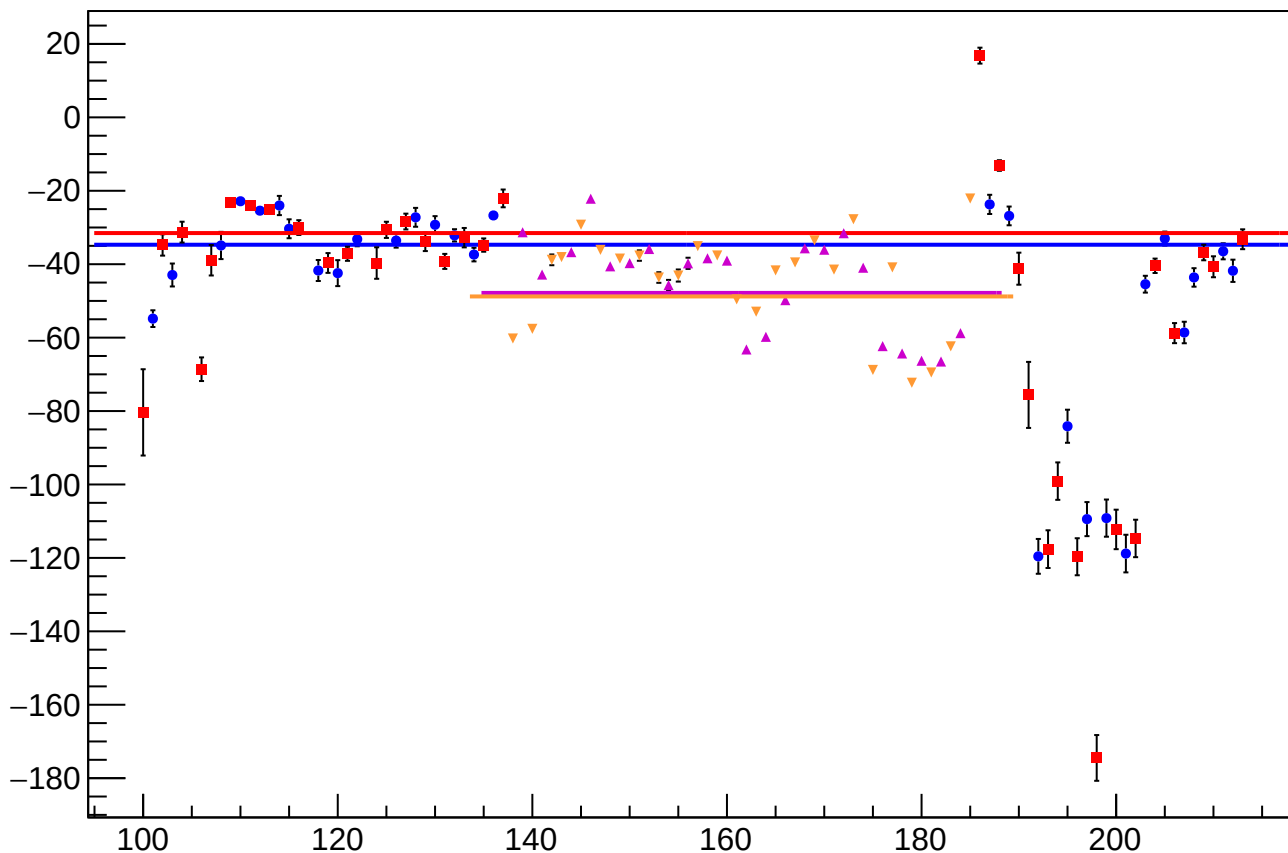
Left In: 1.567 ± 0.016 $\chi^2/\text{NDF}: 735.2/22$

+ sign 1.564 ± 0.015 $\chi^2/\text{NDF}: 1585.9/53$

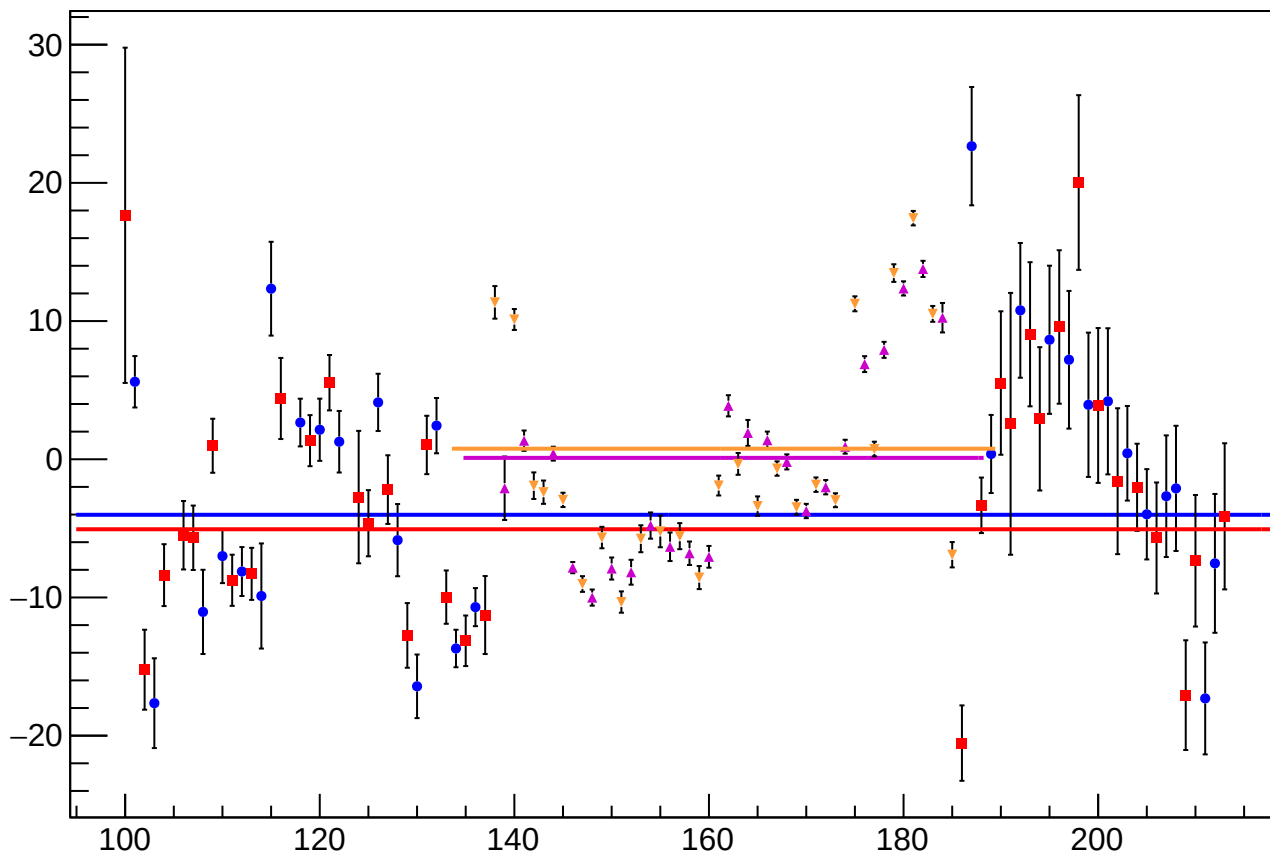
All: 1.541 ± 0.011 $\chi^2/\text{NDF}: 3777.1/110$

- sign 1.518 ± 0.016 $\chi^2/\text{NDF}: 2186.8/56$

reg_asym_sam3_diff_bpm1X_slope vs Slug



reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.018 ± 0.466 $\chi^2/\text{NDF}: 320.0/28$

Left Out: 0.765 ± 0.132 $\chi^2/\text{NDF}: 3467.2/24$

Right Out: -5.065 ± 0.467 $\chi^2/\text{NDF}: 220.0/33$

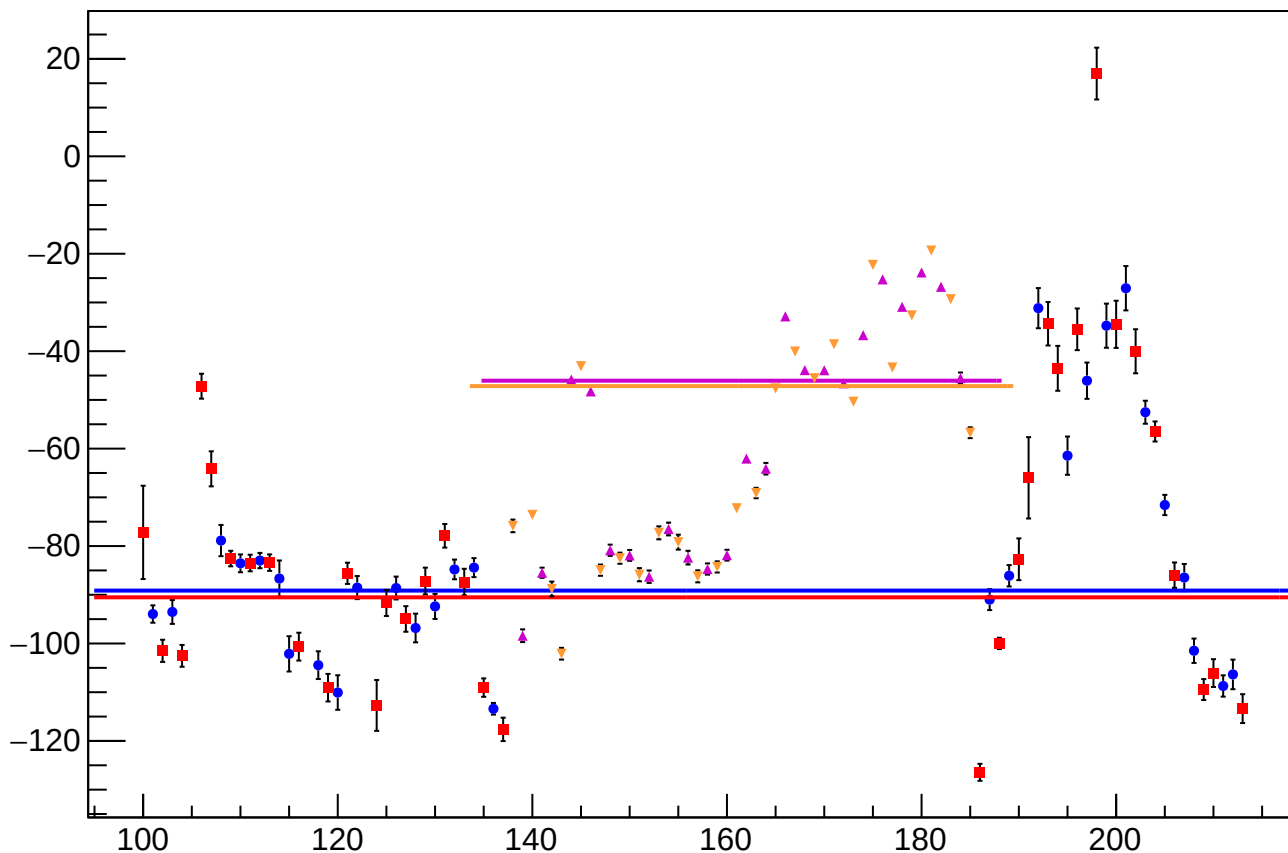
Left In: 0.102 ± 0.133 $\chi^2/\text{NDF}: 2721.8/22$

+ sign 0.409 ± 0.127 $\chi^2/\text{NDF}: 3884.6/53$

All: 0.063 ± 0.090 $\chi^2/\text{NDF}: 6954.5/110$

- sign -0.285 ± 0.128 $\chi^2/\text{NDF}: 3055.0/56$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.140 ± 0.438 $\chi^2/\text{NDF}: 1716.3/28$

Left Out: -47.167 ± 0.168 $\chi^2/\text{NDF}: 17658.5/24$

Right Out: -90.522 ± 0.421 $\chi^2/\text{NDF}: 2833.2/33$

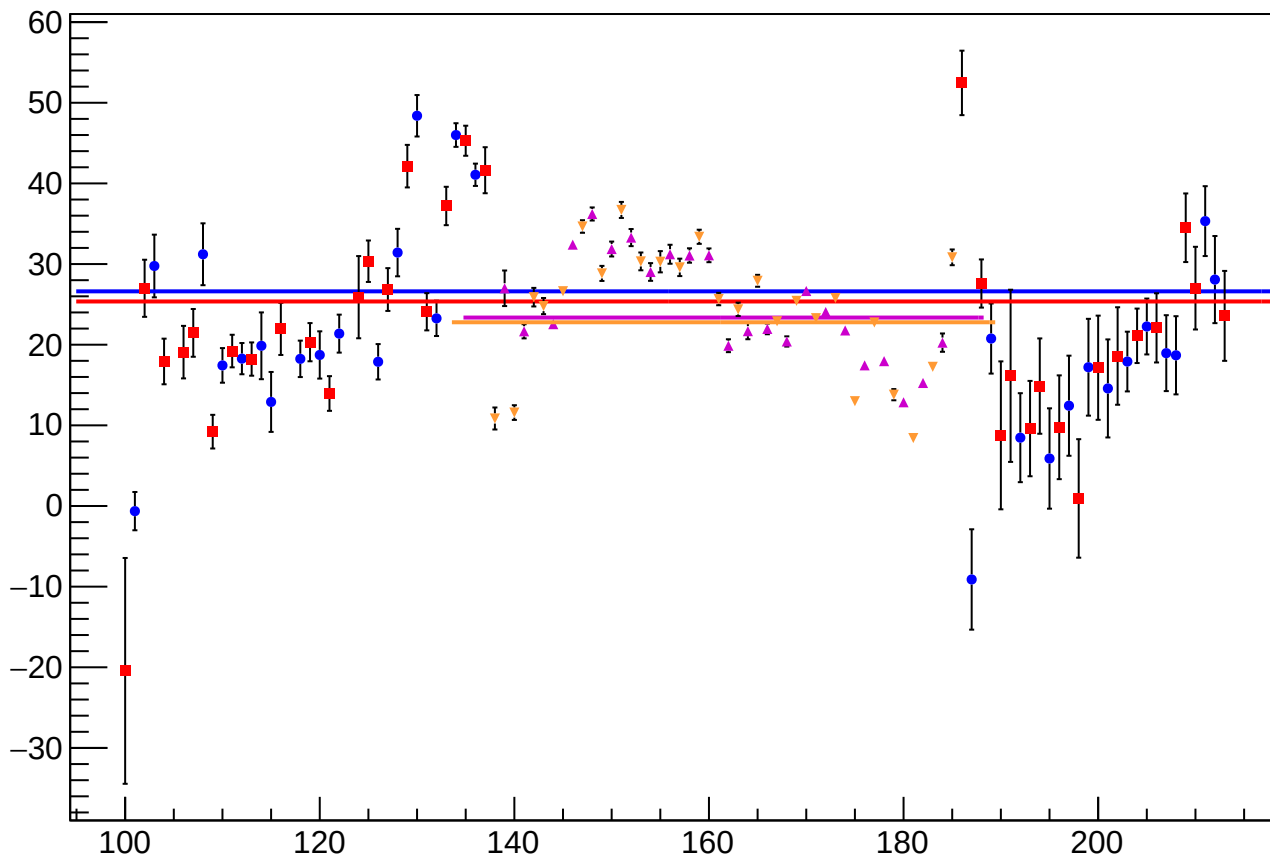
Left In: -46.058 ± 0.170 $\chi^2/\text{NDF}: 14769.8/22$

+ sign -52.516 ± 0.156 $\chi^2/\text{NDF}: 27372.6/53$

All: -52.414 ± 0.111 $\chi^2/\text{NDF}: 54579.3/110$

- sign -52.311 ± 0.158 $\chi^2/\text{NDF}: 27205.8/56$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.616 ± 0.524 $\chi^2/\text{NDF}: 674.5/28$

Left Out: 22.782 ± 0.147 $\chi^2/\text{NDF}: 2412.9/24$

Right Out: 25.360 ± 0.536 $\chi^2/\text{NDF}: 442.3/33$

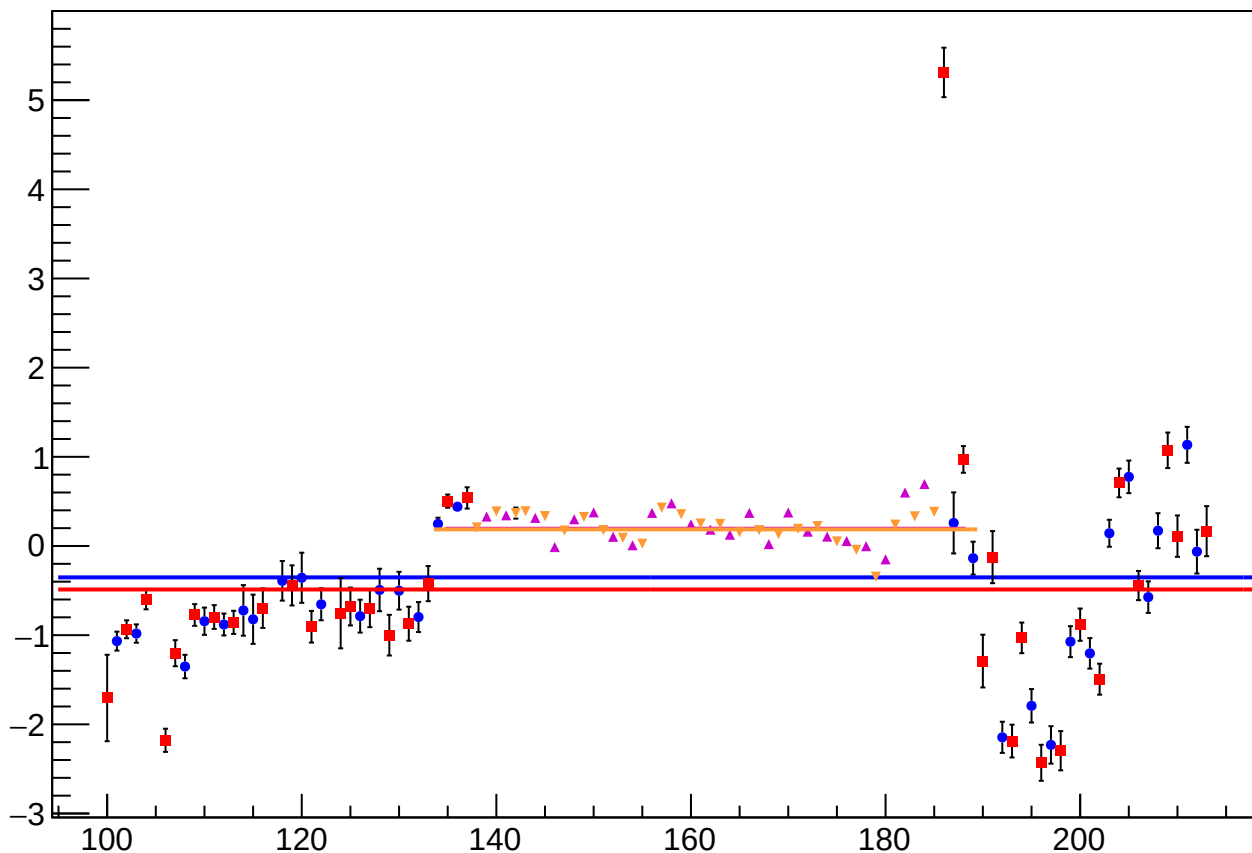
Left In: 23.366 ± 0.149 $\chi^2/\text{NDF}: 1785.4/22$

+ sign 23.063 ± 0.142 $\chi^2/\text{NDF}: 3137.0/53$

All: 23.283 ± 0.101 $\chi^2/\text{NDF}: 5382.4/110$

- sign 23.508 ± 0.143 $\chi^2/\text{NDF}: 2240.5/56$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.352 ± 0.026 $\chi^2/\text{NDF}: 865.8/28$

Left Out: 0.186 ± 0.007 $\chi^2/\text{NDF}: 645.7/24$

Right Out: -0.488 ± 0.028 $\chi^2/\text{NDF}: 1475.1/33$

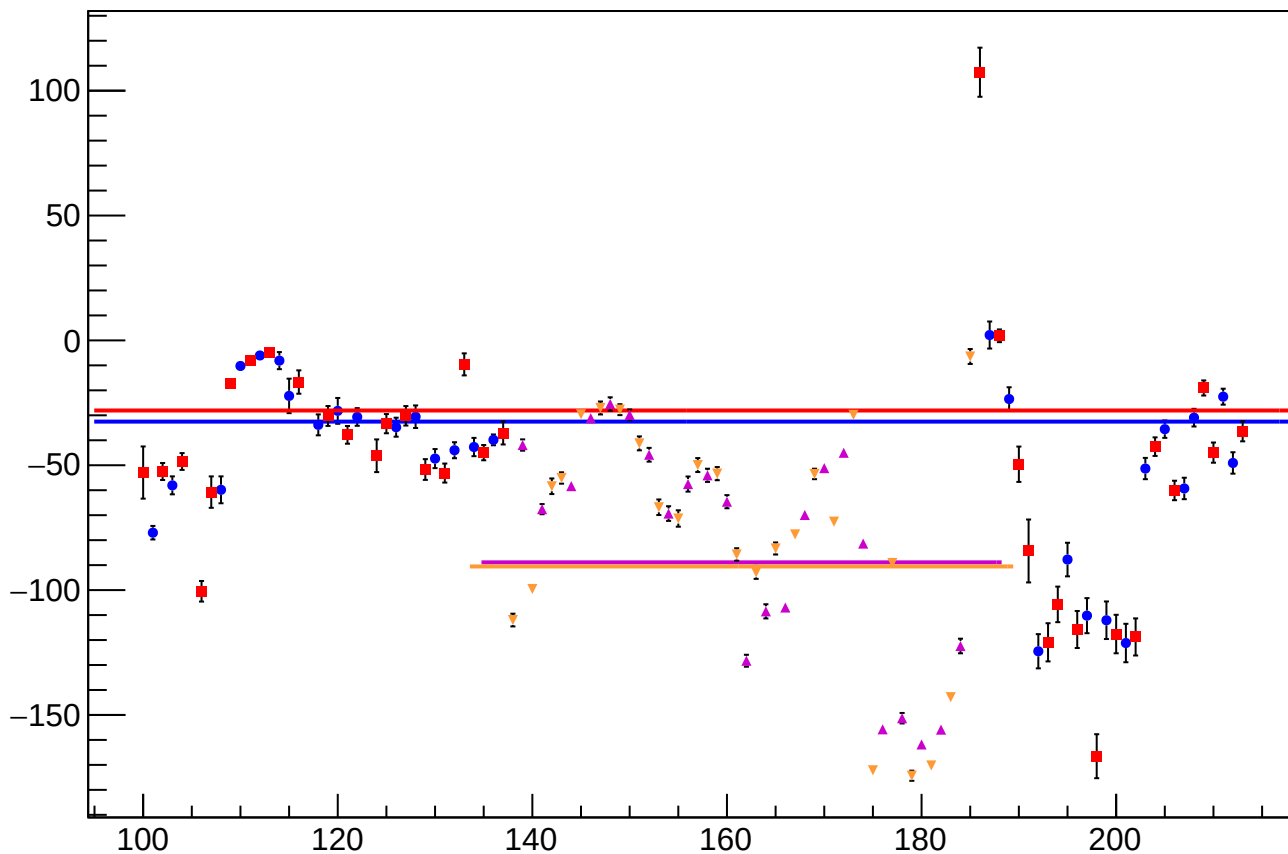
Left In: 0.193 ± 0.007 $\chi^2/\text{NDF}: 938.2/22$

+ sign 0.155 ± 0.006 $\chi^2/\text{NDF}: 1900.7/53$

All: 0.155 ± 0.005 $\chi^2/\text{NDF}: 4888.6/110$

- sign 0.156 ± 0.006 $\chi^2/\text{NDF}: 2987.9/56$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.522 ± 0.634 χ^2/NDF : 1677.3/28

Left Out: -90.534 ± 0.421 χ^2/NDF : 15358.6/24

Right Out: -28.075 ± 0.583 χ^2/NDF : 2426.5/33

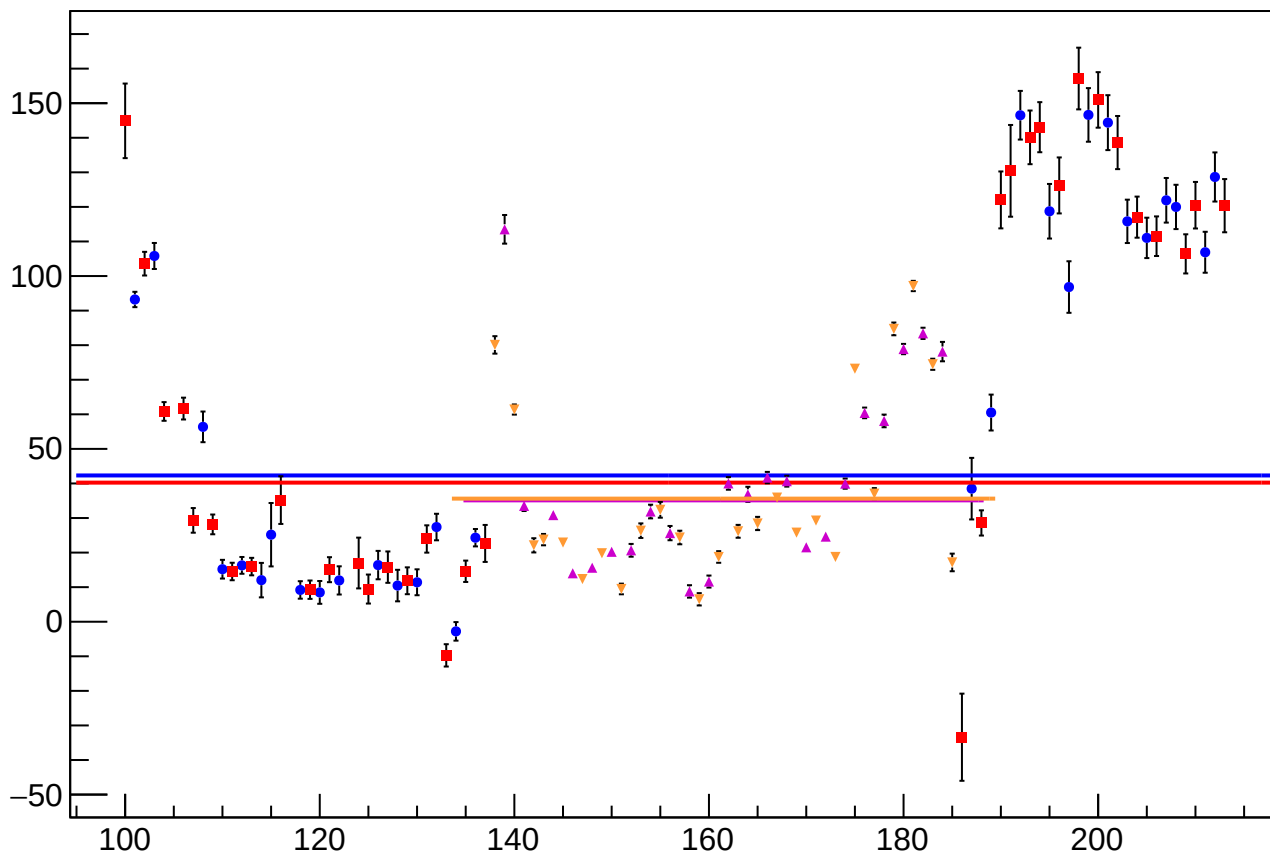
Left In: -88.888 ± 0.435 χ^2/NDF : 11815.7/22

+ sign -72.752 ± 0.351 χ^2/NDF : 22848.0/53

All: -69.946 ± 0.247 χ^2/NDF : 44210.6/110

- sign -67.177 ± 0.348 χ^2/NDF : 21235.5/56

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 42.314 ± 0.741 $\chi^2/\text{NDF}: 3479.9/28$

Left Out: 35.612 ± 0.326 $\chi^2/\text{NDF}: 5973.0/24$

Right Out: 40.240 ± 0.725 $\chi^2/\text{NDF}: 3334.3/33$

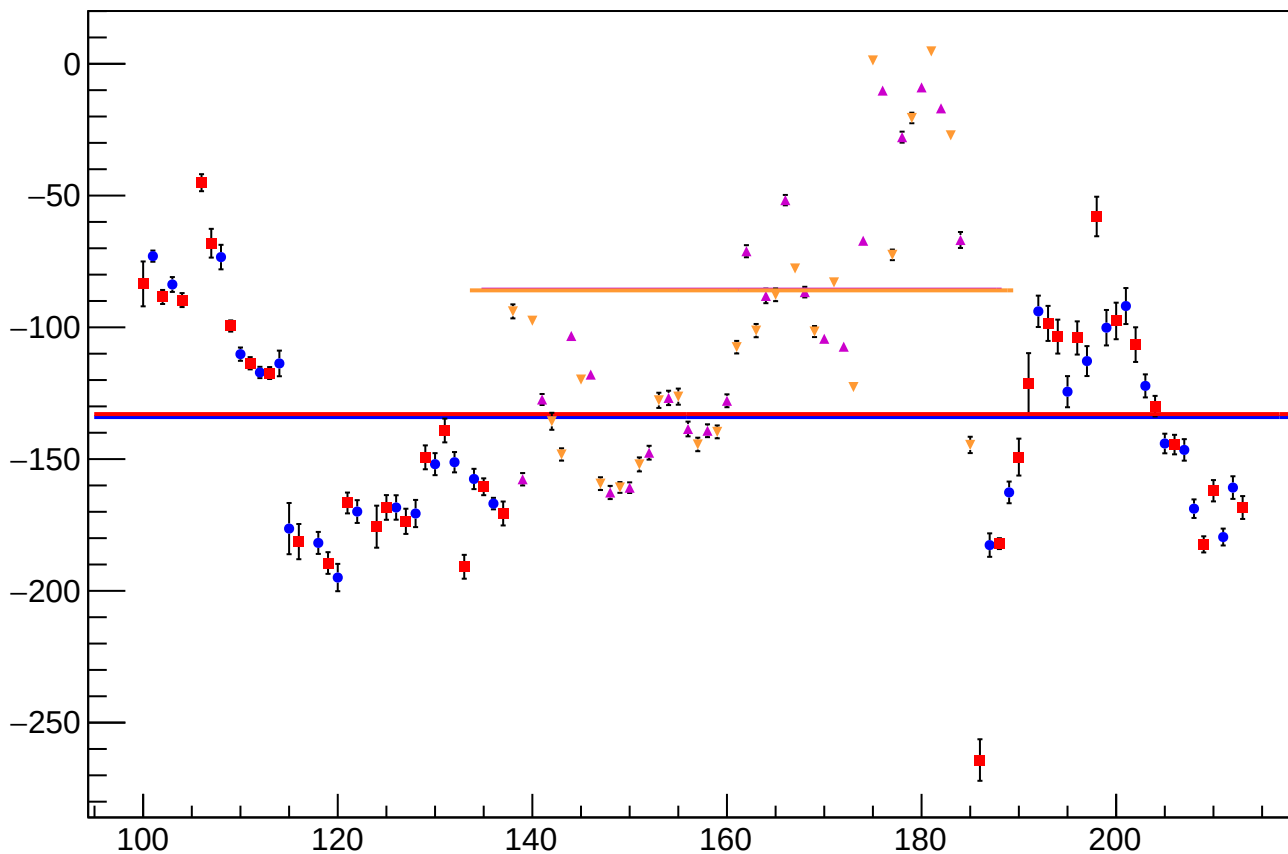
Left In: 35.112 ± 0.336 $\chi^2/\text{NDF}: 4144.4/22$

+ sign 36.698 ± 0.298 $\chi^2/\text{NDF}: 9521.6/53$

All: 36.367 ± 0.213 $\chi^2/\text{NDF}: 17043.9/110$

- sign 36.020 ± 0.305 $\chi^2/\text{NDF}: 7519.9/56$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -134.049 ± 0.688 χ^2/NDF : 2901.8/28

Left Out: -85.969 ± 0.421 χ^2/NDF : 16232.5/24

Right Out: -132.918 ± 0.653 χ^2/NDF : 4068.6/33

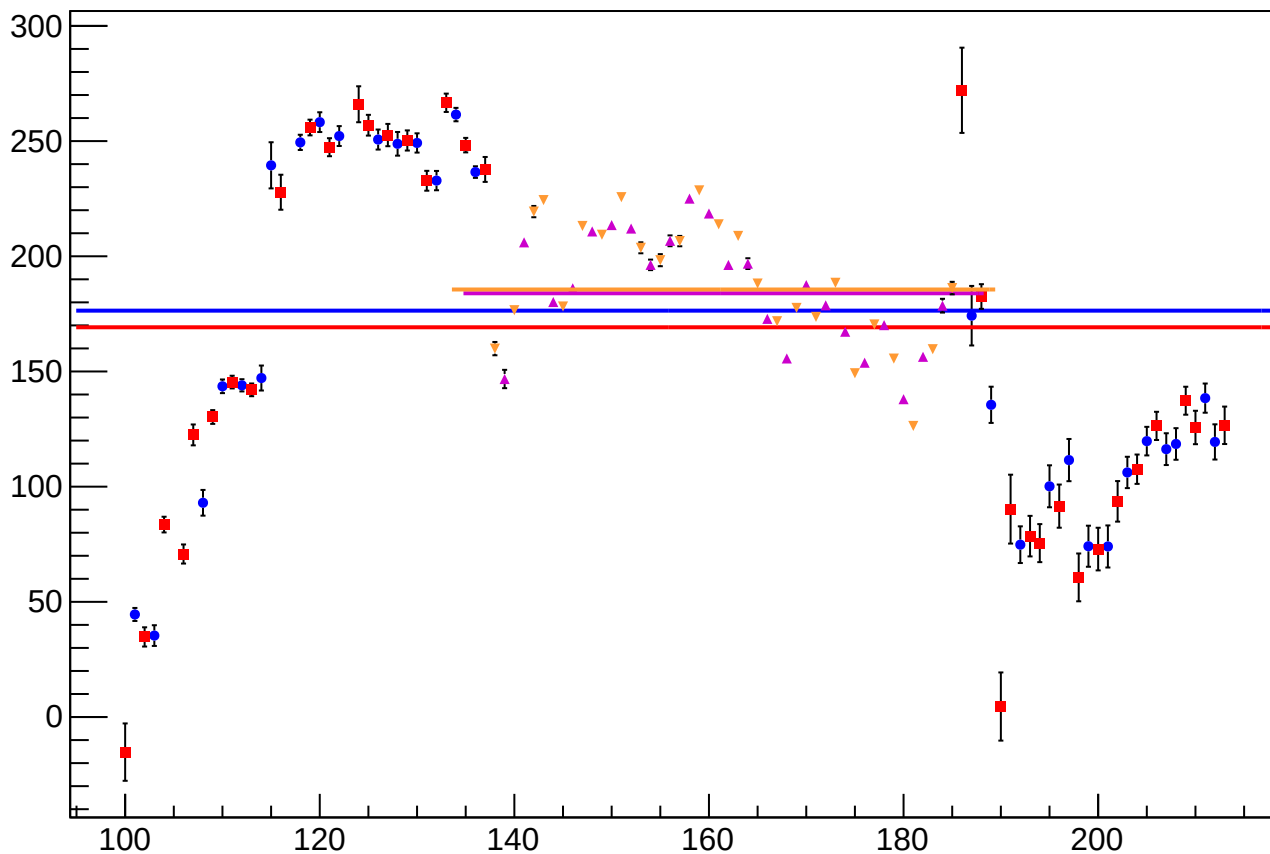
Left In: -85.705 ± 0.432 χ^2/NDF : 13758.7/22

+ sign -99.055 ± 0.359 χ^2/NDF : 22687.3/53

All: -99.571 ± 0.254 χ^2/NDF : 44150.5/110

- sign -100.092 ± 0.361 χ^2/NDF : 21459.1/56

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 176.404 $\pm$ 0.844 χ^2 /NDF: 8276.8/28

Left Out: 185.583 $\pm$ 0.367 χ^2 /NDF: 5354.7/24

Right Out: 169.182 $\pm$ 0.832 χ^2 /NDF: 7802.0/33

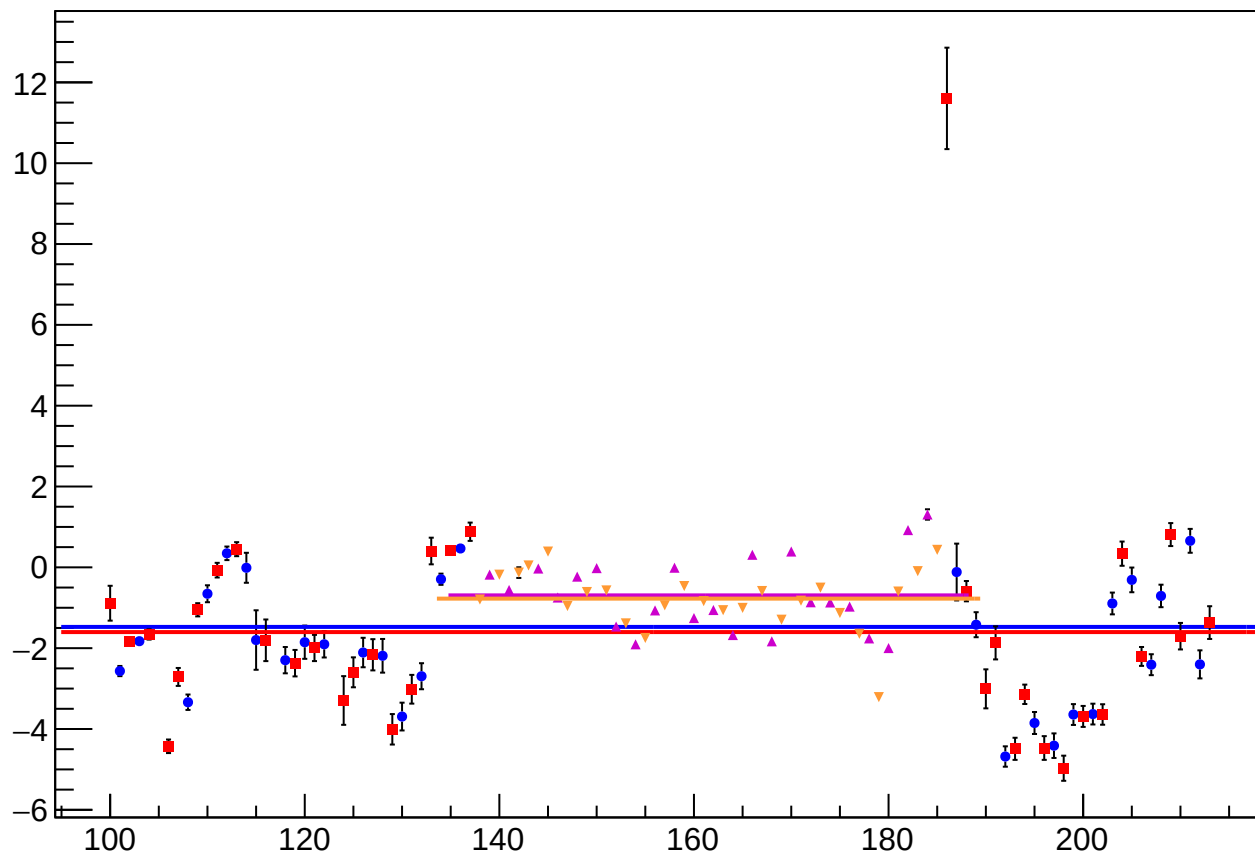
Left In: 183.940 $\pm$ 0.378 χ^2 /NDF: 3873.5/22

+ sign 184.124 $\pm$ 0.336 χ^2 /NDF: 13731.1/53

All: 182.801 $\pm$ 0.240 χ^2 /NDF: 25699.2/110

- sign 181.418 $\pm$ 0.344 χ^2 /NDF: 11936.4/56

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.474 ± 0.041 χ^2/NDF : 1410.0/28

Left Out: -0.774 ± 0.016 χ^2/NDF : 1822.9/24

Right Out: -1.602 ± 0.040 χ^2/NDF : 1793.2/33

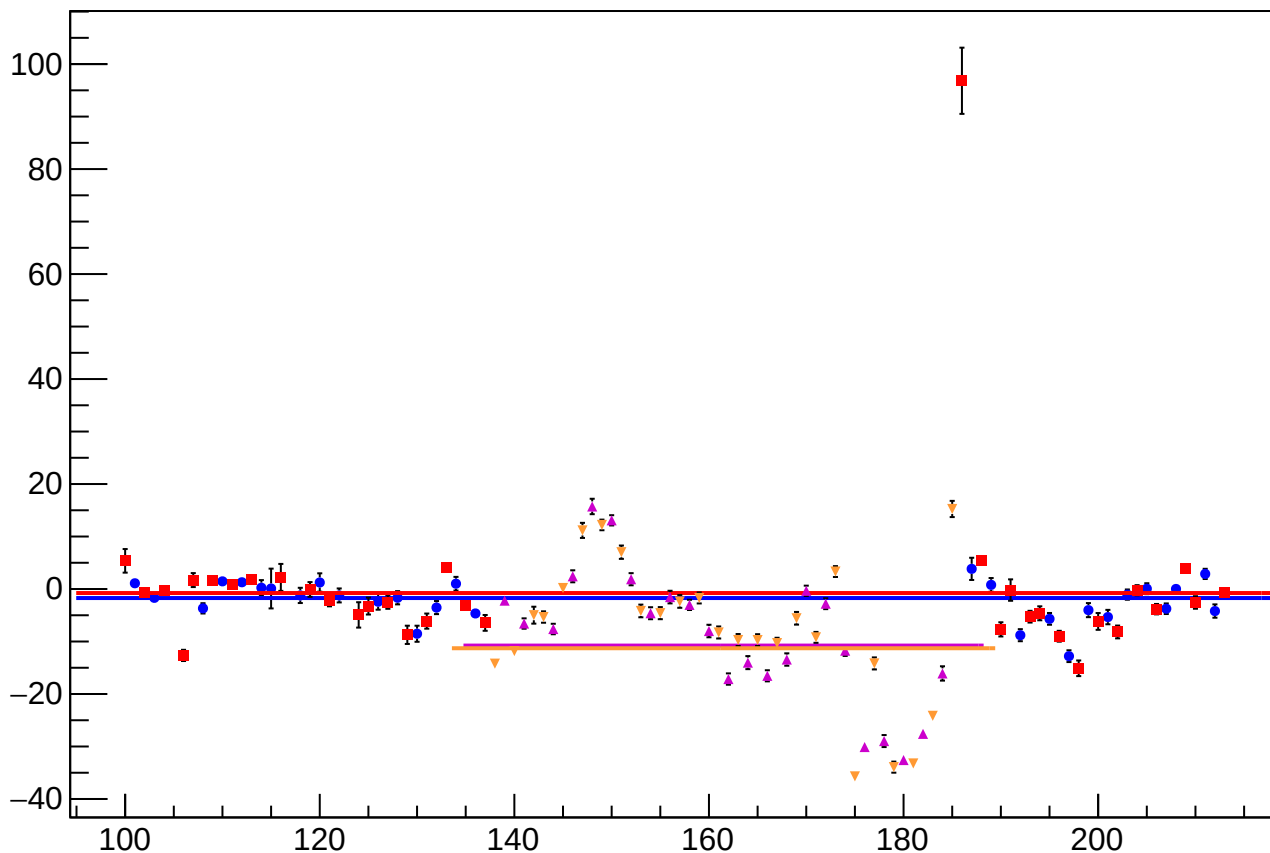
Left In: -0.694 ± 0.017 χ^2/NDF : 2565.3/22

+ sign -0.870 ± 0.015 χ^2/NDF : 3481.7/53

All: -0.849 ± 0.011 χ^2/NDF : 8274.1/110

- sign -0.827 ± 0.016 χ^2/NDF : 4788.5/56

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.720 ± 0.197 χ^2/NDF : 318.0/28

Left Out: -11.283 ± 0.208 χ^2/NDF : 4500.3/24

Right Out: -0.766 ± 0.175 χ^2/NDF : 929.0/33

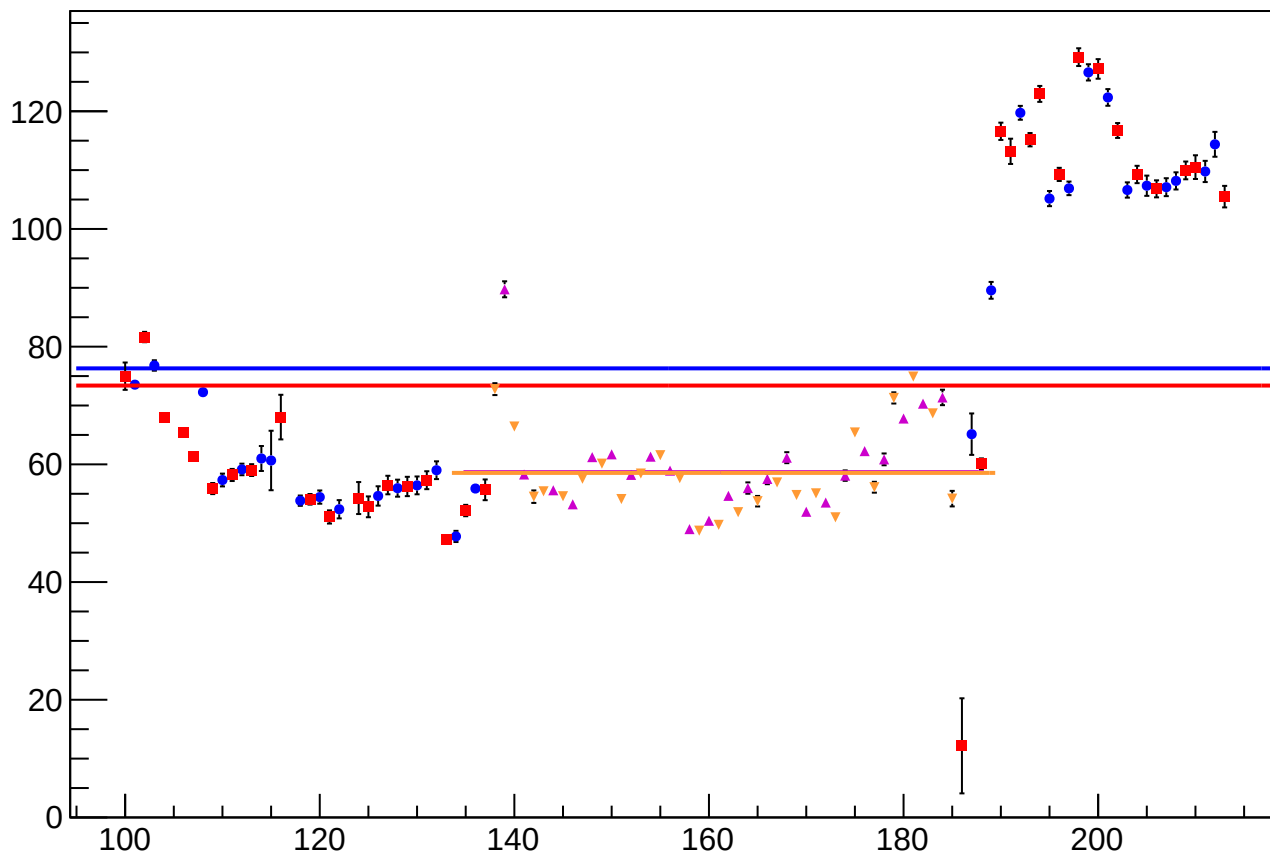
Left In: -10.776 ± 0.213 χ^2/NDF : 3699.2/22

+ sign -6.236 ± 0.143 χ^2/NDF : 5934.2/53

All: -5.471 ± 0.098 χ^2/NDF : 11933.7/110

- sign -4.786 ± 0.135 χ^2/NDF : 5945.2/56

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 76.311+/-0.222 χ^2 /NDF: 11630.2/28

Left Out: 58.550+/-0.161 χ^2 /NDF:1902.5/24

Right Out: 73.389+/-0.204 χ^2 /NDF: 15937.1/33

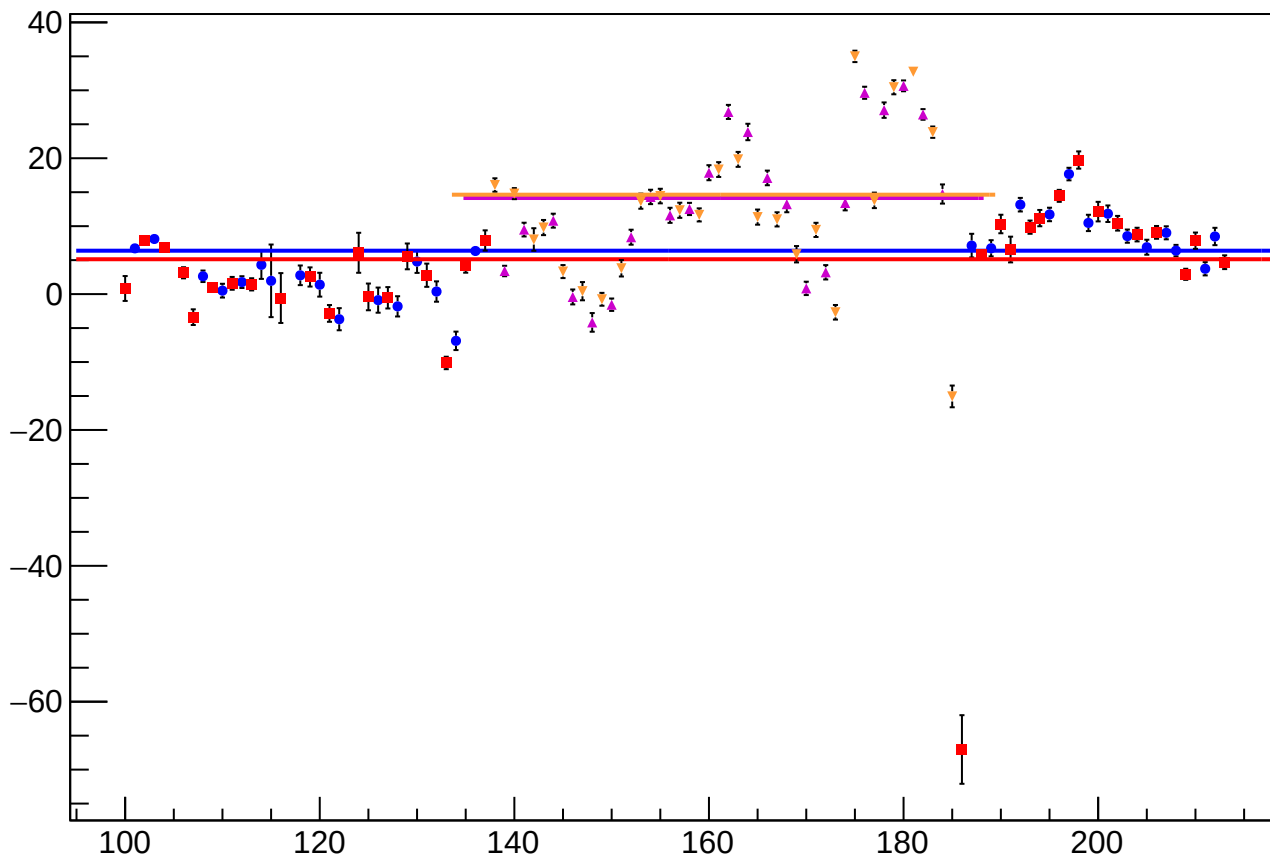
Left In: 58.679+/-0.168 χ^2 /NDF:1613.4/22

+ sign 64.667+/-0.130 χ^2 /NDF: 17715.5/53

All: 64.661+/-0.092 χ^2 /NDF: 38367.0/110

- sign 64.655+/-0.130 χ^2 /NDF: 20651.6/56

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.390 ± 0.197 $\chi^2/\text{NDF}: 579.7/28$

Left Out: 14.634 ± 0.207 $\chi^2/\text{NDF}: 2962.1/24$

Right Out: 5.131 ± 0.178 $\chi^2/\text{NDF}: 1113.0/33$

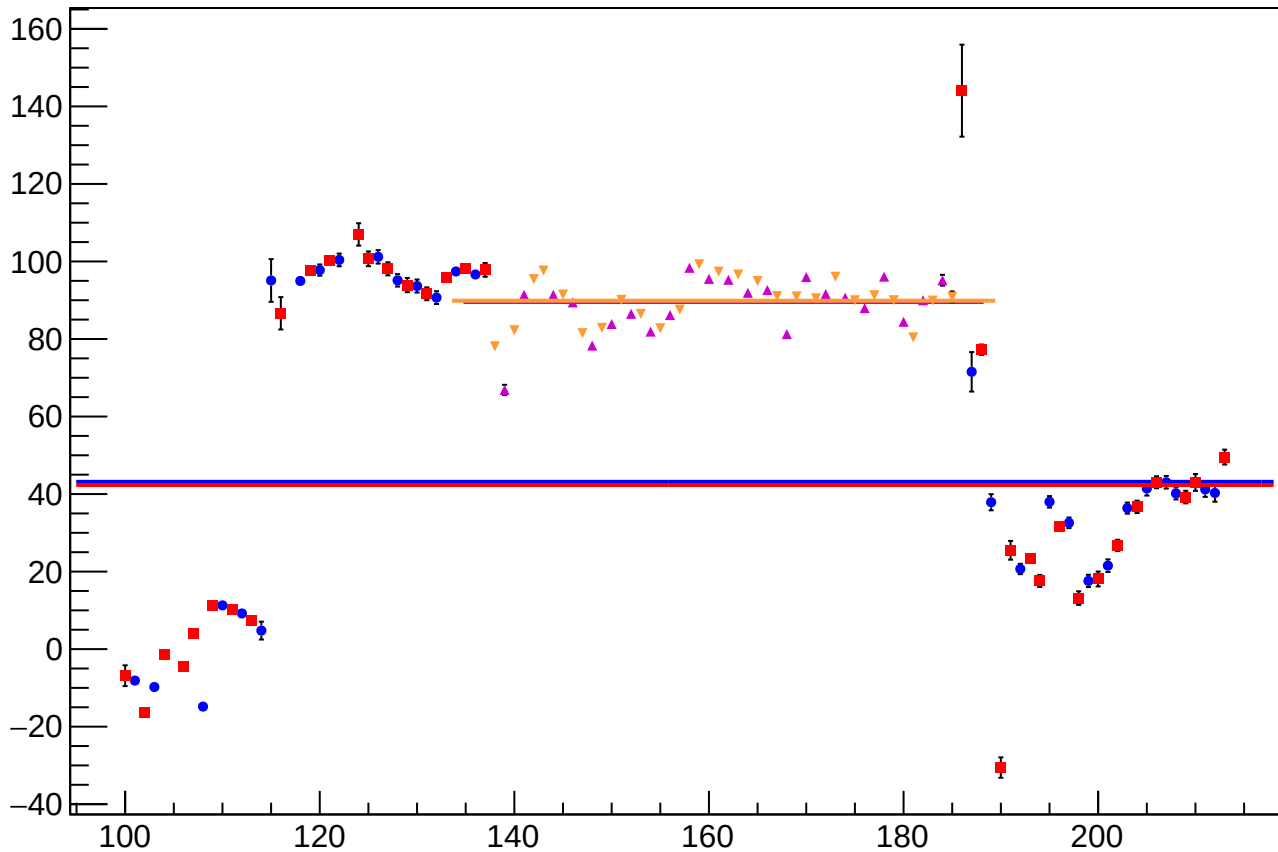
Left In: 14.146 ± 0.211 $\chi^2/\text{NDF}: 2541.2/22$

+ sign 10.309 ± 0.143 $\chi^2/\text{NDF}: 4376.4/53$

All: 9.558 ± 0.098 $\chi^2/\text{NDF}: 9148.6/110$

- sign 8.873 ± 0.136 $\chi^2/\text{NDF}: 4719.1/56$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.154 ± 0.257 χ^2/NDF : 27938.6/28

Left Out: 89.875 ± 0.181 χ^2/NDF : 1065.4/24

Right Out: 42.339 ± 0.238 χ^2/NDF : 31755.2/33

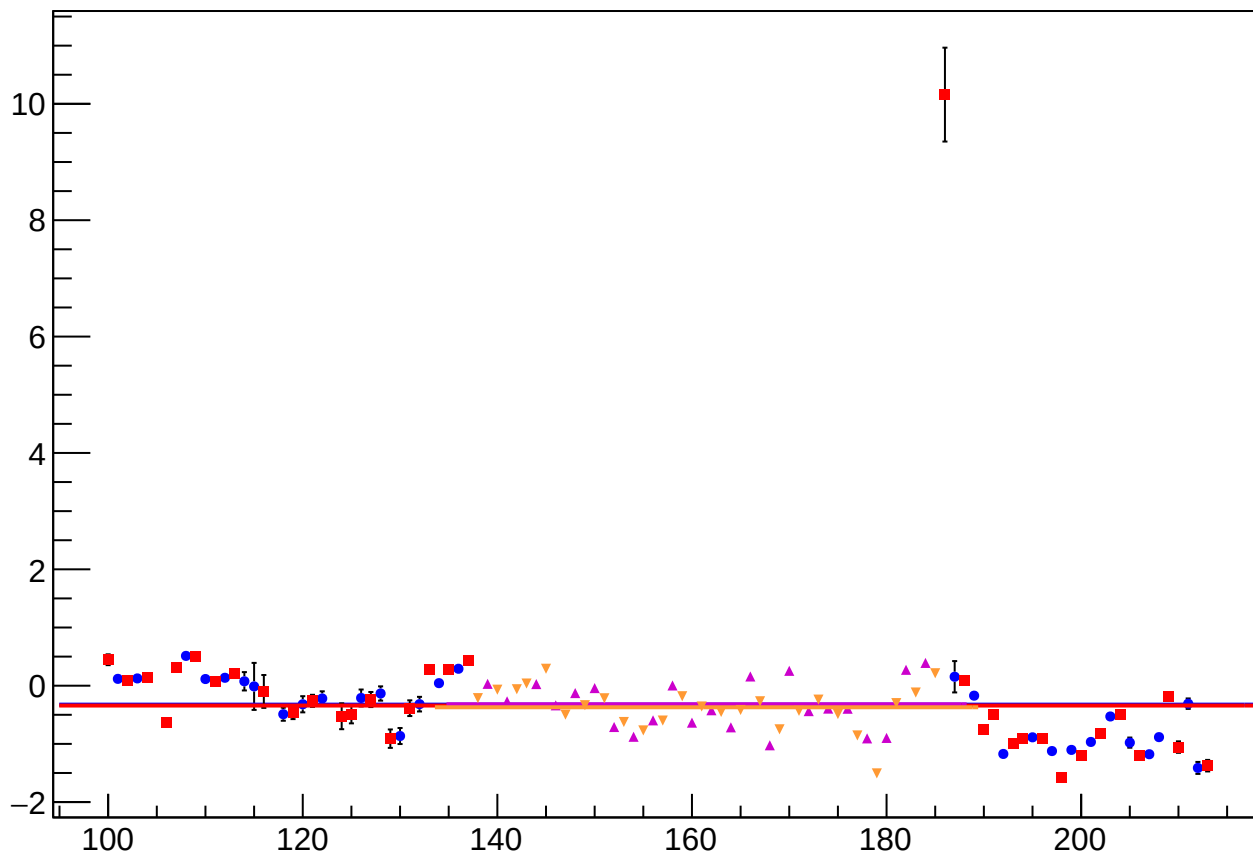
Left In: 89.541 ± 0.188 χ^2/NDF : 1095.3/22

+ sign 74.360 ± 0.148 χ^2/NDF : 51125.0/53

All: 72.917 ± 0.104 χ^2/NDF : 108398.1/110

- sign 71.486 ± 0.147 χ^2/NDF : 57083.7/56

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.325 ± 0.010 χ^2/NDF : 3368.0/28

Left Out: -0.371 ± 0.008 χ^2/NDF : 1769.5/24

Right Out: -0.341 ± 0.010 χ^2/NDF : 3852.5/33

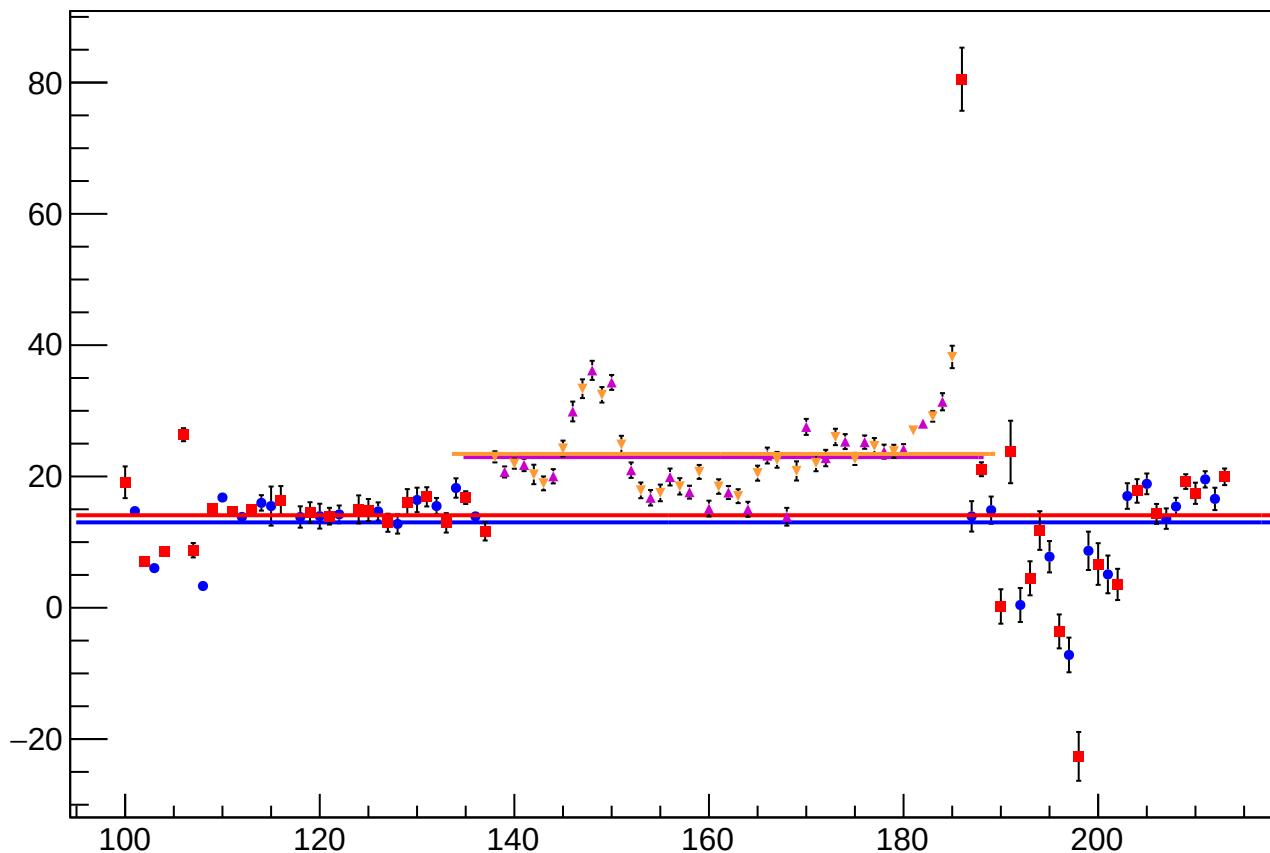
Left In: -0.319 ± 0.008 χ^2/NDF : 2441.1/22

+ sign -0.354 ± 0.006 χ^2/NDF : 5149.3/53

All: -0.341 ± 0.004 χ^2/NDF : 11454.2/110

- sign -0.328 ± 0.006 χ^2/NDF : 6296.5/56

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.008 ± 0.198 $\chi^2/\text{NDF}: 540.0/28$

Left Out: 23.431 ± 0.216 $\chi^2/\text{NDF}: 427.8/24$

Right Out: 14.092 ± 0.188 $\chi^2/\text{NDF}: 908.4/33$

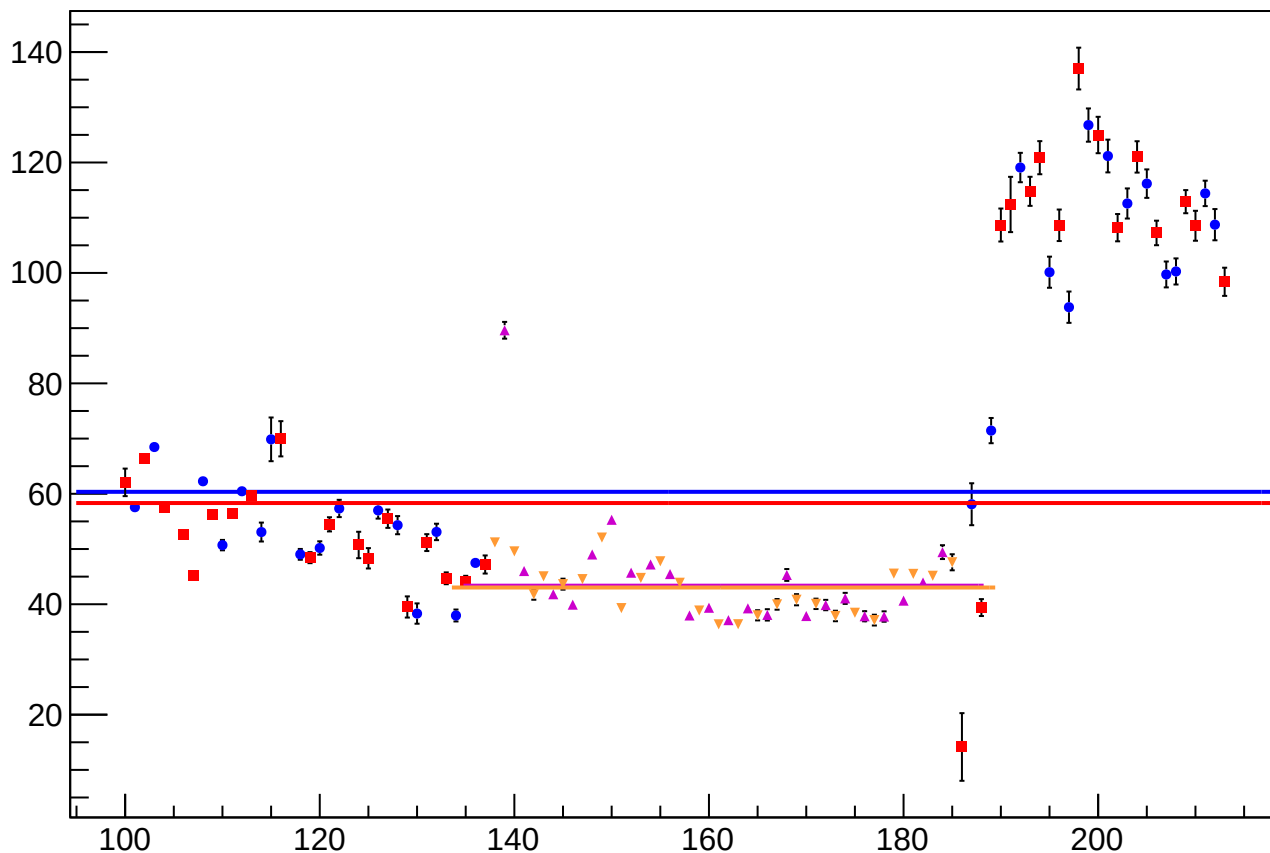
Left In: 22.949 ± 0.225 $\chi^2/\text{NDF}: 565.2/22$

+ sign 17.763 ± 0.146 $\chi^2/\text{NDF}: 2236.1/53$

All: 17.739 ± 0.103 $\chi^2/\text{NDF}: 4622.5/110$

- sign 17.715 ± 0.144 $\chi^2/\text{NDF}: 2386.3/56$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 60.357 $\pm$ 0.212 χ^2 /NDF: 5403.0/28

Left Out: 43.029 $\pm$ 0.167 χ^2 /NDF: 780.7/24

Right Out: 58.328 $\pm$ 0.213 χ^2 /NDF: 6652.6/33

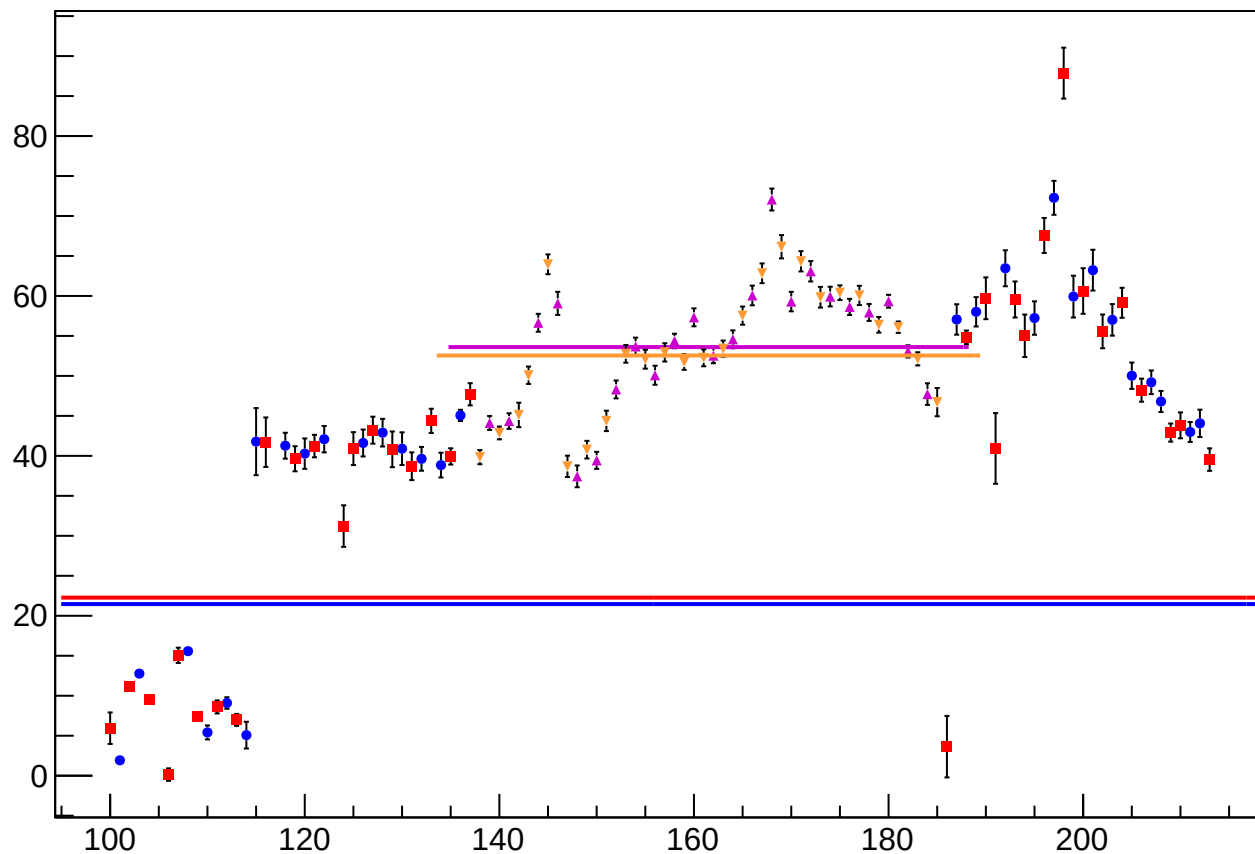
Left In: 43.361 $\pm$ 0.177 χ^2 /NDF: 1683.3/22

+ sign 49.662 $\pm$ 0.131 χ^2 /NDF: 10290.5/53

All: 49.568 $\pm$ 0.095 χ^2 /NDF: 21543.0/110

- sign 49.468 $\pm$ 0.136 χ^2 /NDF: 11251.5/56

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 21.465 $\pm$ 0.196 χ^2 /NDF: 10199.7/28

Left Out: 52.550 $\pm$ 0.215 χ^2 /NDF:1186.2/24

Right Out: 22.271 $\pm$ 0.197 χ^2 /NDF: 9666.1/33

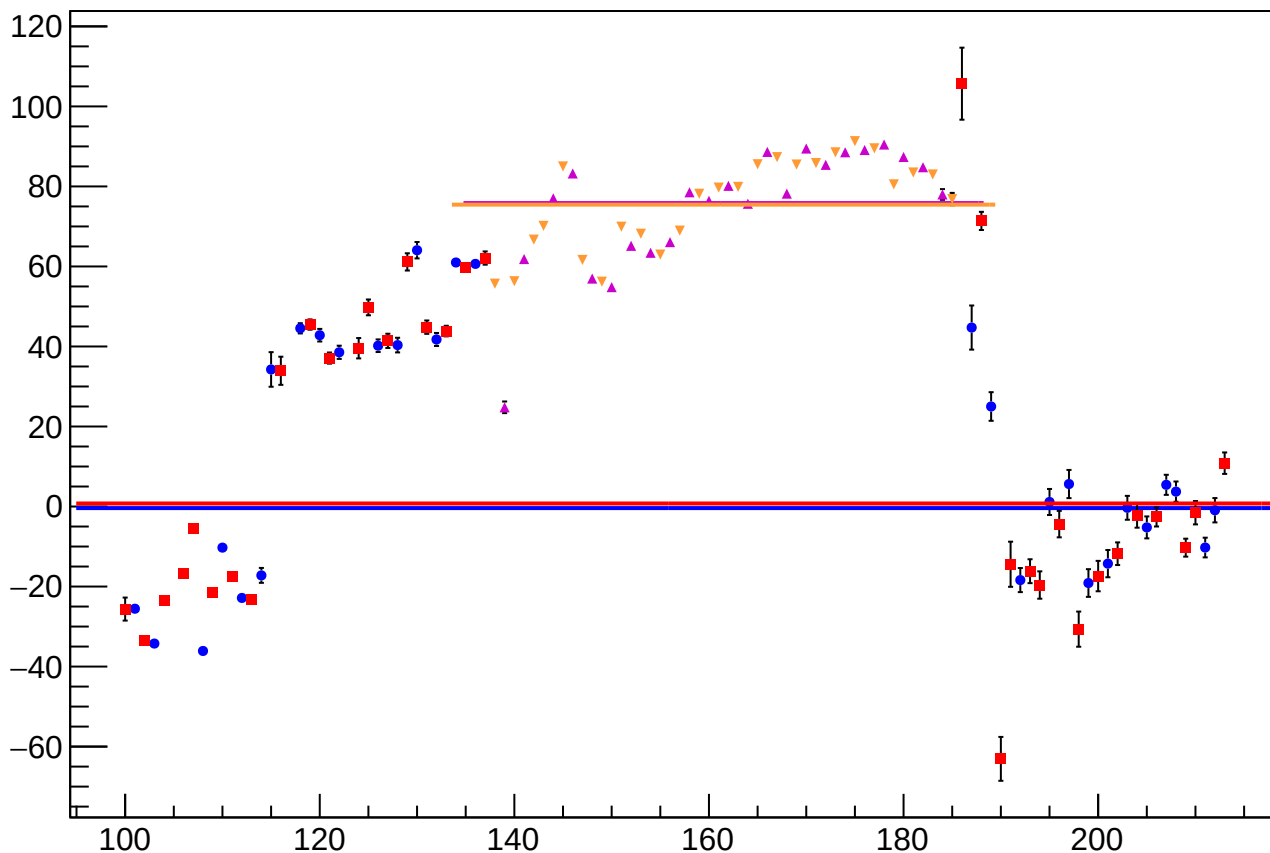
Left In: 53.605 $\pm$ 0.223 χ^2 /NDF:1015.9/22

+ sign 35.612 $\pm$ 0.145 χ^2 /NDF: 22820.4/53

All: 35.792 $\pm$ 0.103 χ^2 /NDF: 44621.9/110

- sign 35.979 $\pm$ 0.147 χ^2 /NDF: 21798.3/56

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.391 ± 0.250 $\chi^2/\text{NDF}: 21260.3/28$

Left Out: 75.448 ± 0.188 $\chi^2/\text{NDF}: 3469.1/24$

Right Out: 0.761 ± 0.250 $\chi^2/\text{NDF}: 17479.6/33$

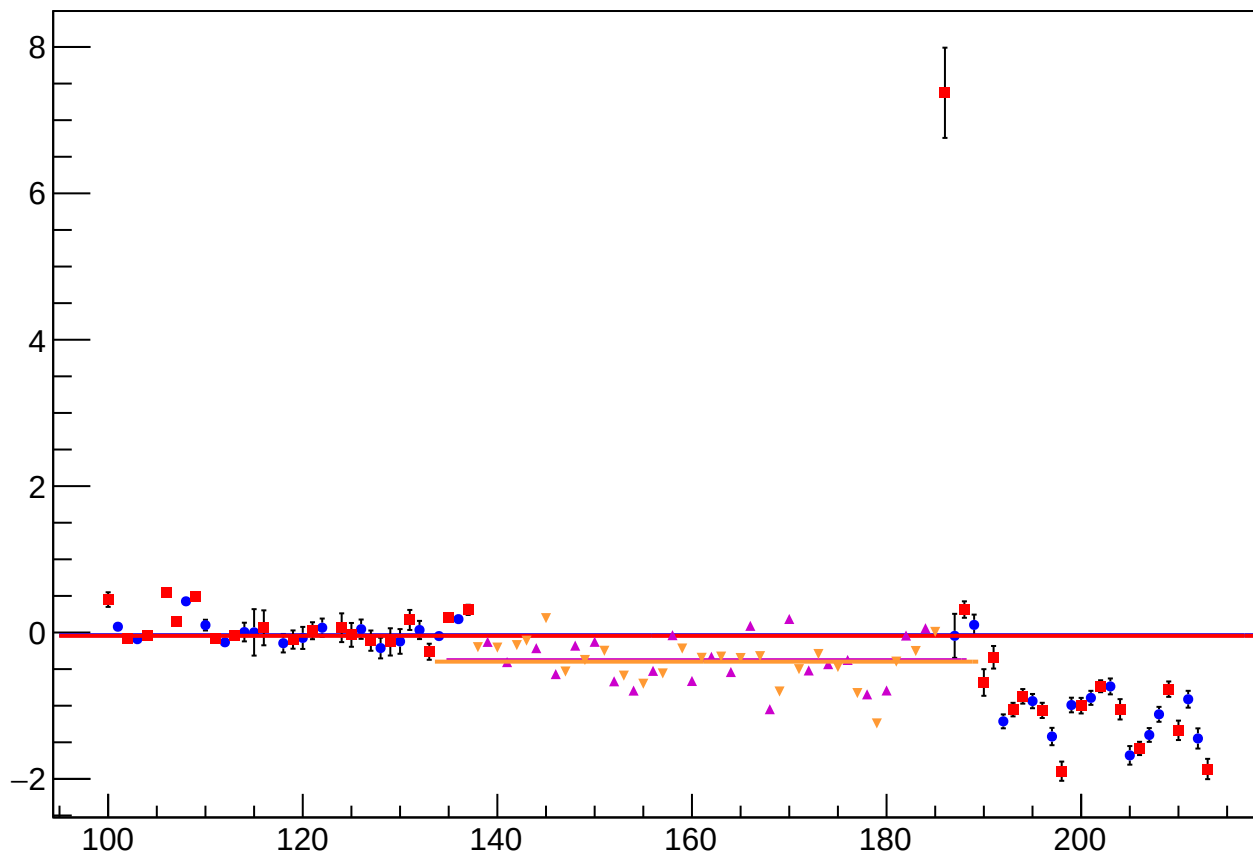
Left In: 75.844 ± 0.197 $\chi^2/\text{NDF}: 4265.6/22$

+ sign 47.951 ± 0.150 $\chi^2/\text{NDF}: 83516.5/53$

All: 47.541 ± 0.108 $\chi^2/\text{NDF}: 160731.8/110$

- sign 47.106 ± 0.155 $\chi^2/\text{NDF}: 77199.9/56$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.037 $\pm$ 0.011 χ^2/NDF : 1680.0/28

Left Out: -0.398 $\pm$ 0.008 χ^2/NDF : 1031.5/24

Right Out: -0.045 $\pm$ 0.011 χ^2/NDF : 2002.2/33

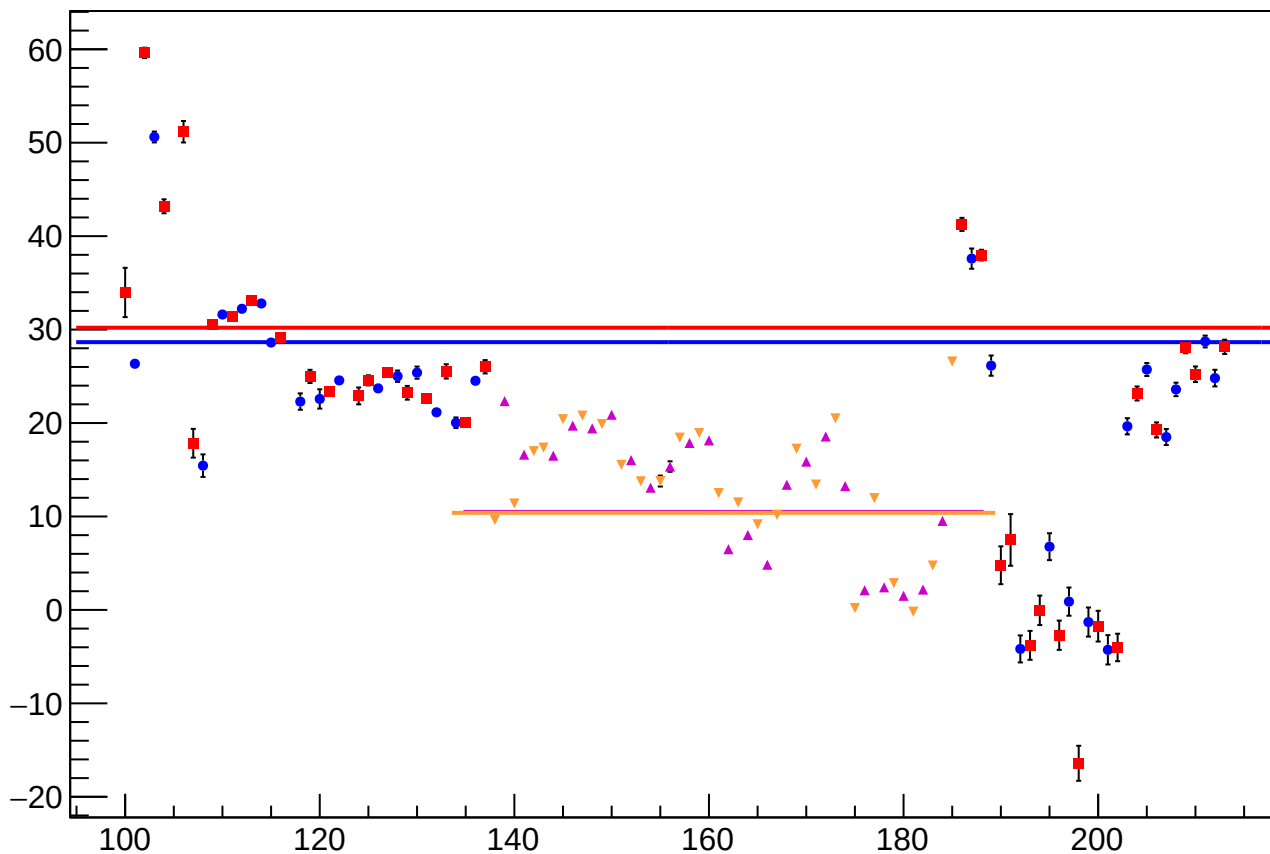
Left In: -0.378 $\pm$ 0.009 χ^2/NDF : 1351.5/22

+ sign -0.258 $\pm$ 0.007 χ^2/NDF : 3428.9/53

All: -0.252 $\pm$ 0.005 χ^2/NDF : 7374.1/110

- sign -0.246 $\pm$ 0.007 χ^2/NDF : 3943.7/56

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.654 $\pm$ 0.087 χ^2 /NDF: 5767.4/28

Left Out: 10.390 $\pm$ 0.064 χ^2 /NDF: 13792.8/24

Right Out: 30.200 $\pm$ 0.076 χ^2 /NDF: 8947.5/33

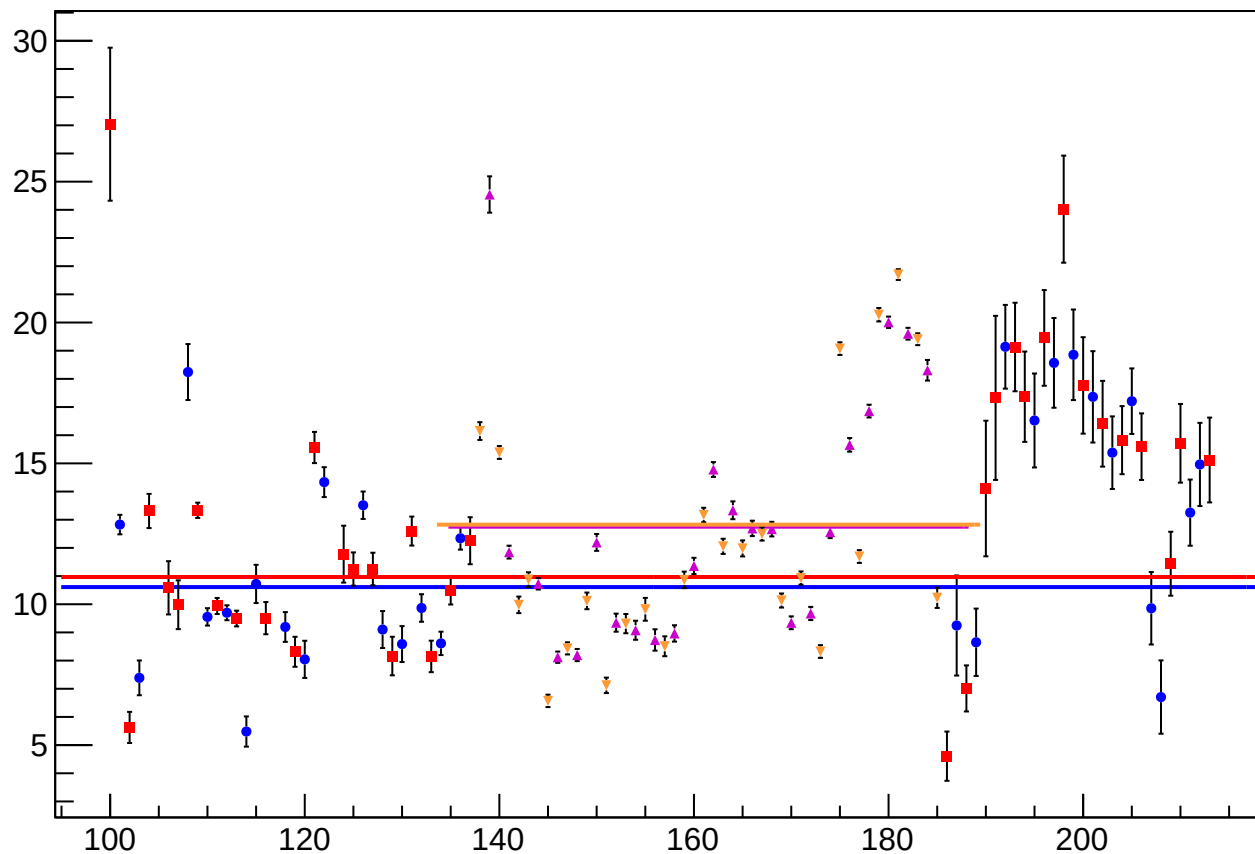
Left In: 10.488 $\pm$ 0.067 χ^2 /NDF: 11498.1/22

+ sign 16.836 $\pm$ 0.052 χ^2 /NDF: 48189.2/53

All: 17.980 $\pm$ 0.036 χ^2 /NDF: 107498.1/110

- sign 19.065 $\pm$ 0.050 χ^2 /NDF: 58349.9/56

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.609 +/- 0.109 χ^2/NDF : 595.3/28

Left Out: 12.825 +/- 0.051 χ^2/NDF : 8016.5/24

Right Out: 10.967 +/- 0.107 χ^2/NDF : 696.1/33

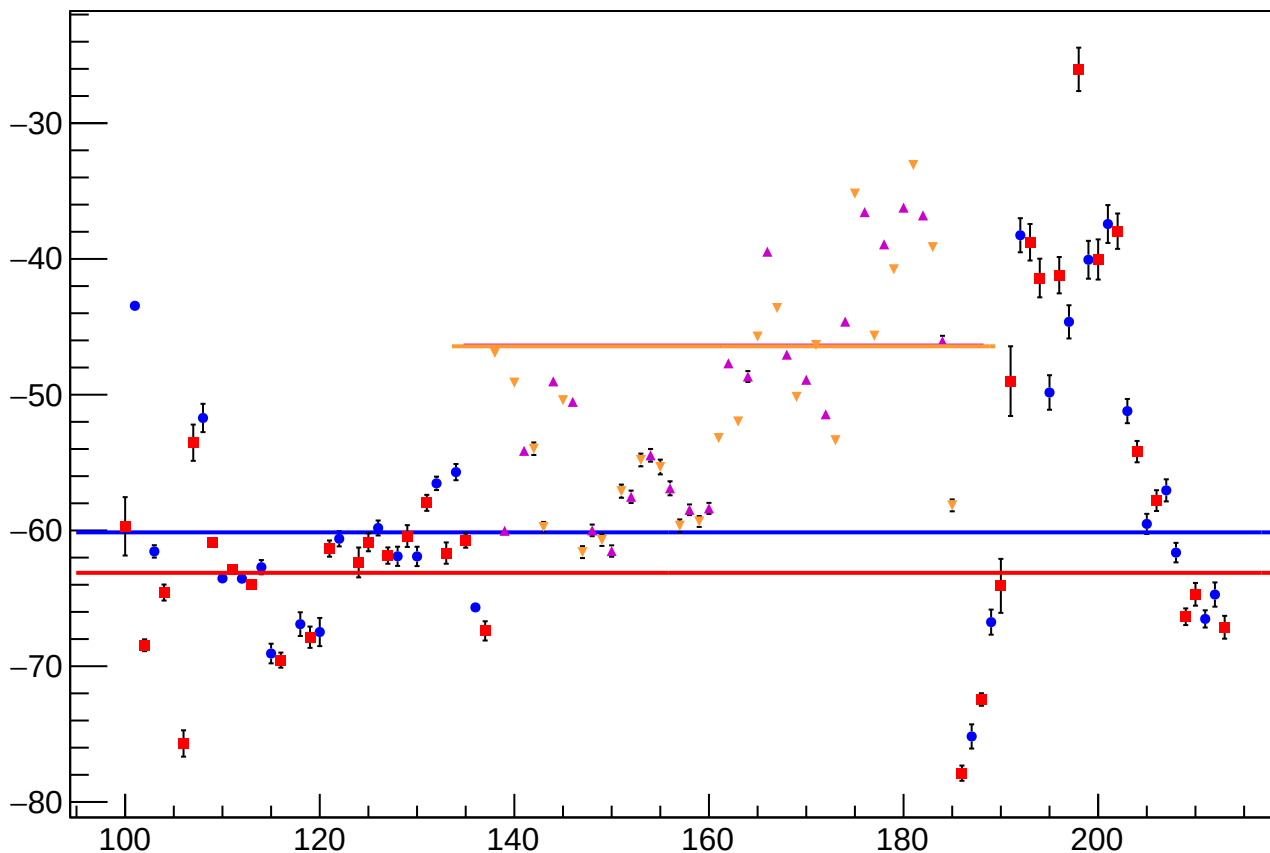
Left In: 12.752 +/- 0.053 χ^2/NDF : 5502.5/22

+ sign 12.428 +/- 0.046 χ^2/NDF : 8949.0/53

All: 12.416 +/- 0.033 χ^2/NDF : 15370.6/110

- sign 12.403 +/- 0.047 χ^2/NDF : 6421.4/56

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.141 ± 0.103 $\chi^2/\text{NDF}: 5186.7/28$

Left Out: -46.435 ± 0.064 $\chi^2/\text{NDF}: 18170.4/24$

Right Out: -63.122 ± 0.097 $\chi^2/\text{NDF}: 4187.7/33$

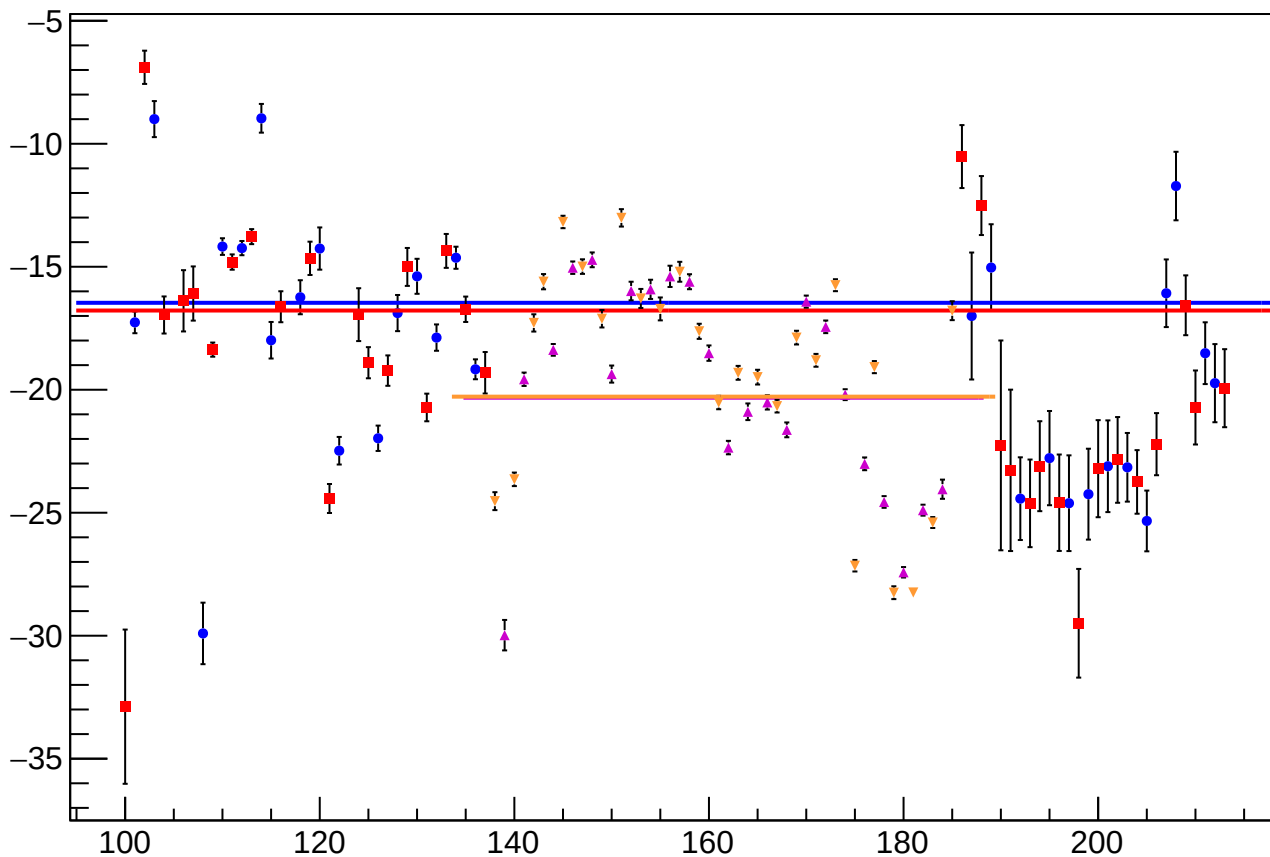
Left In: -46.383 ± 0.067 $\chi^2/\text{NDF}: 15080.6/22$

+ sign -50.280 ± 0.055 $\chi^2/\text{NDF}: 36053.6/53$

All: -51.032 ± 0.039 $\chi^2/\text{NDF}: 76001.1/110$

- sign -51.794 ± 0.055 $\chi^2/\text{NDF}: 39565.9/56$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.465 ± 0.122 χ^2/NDF : 978.4/28

Left Out: -20.281 ± 0.057 χ^2/NDF : 7019.5/24

Right Out: -16.779 ± 0.119 χ^2/NDF : 893.0/33

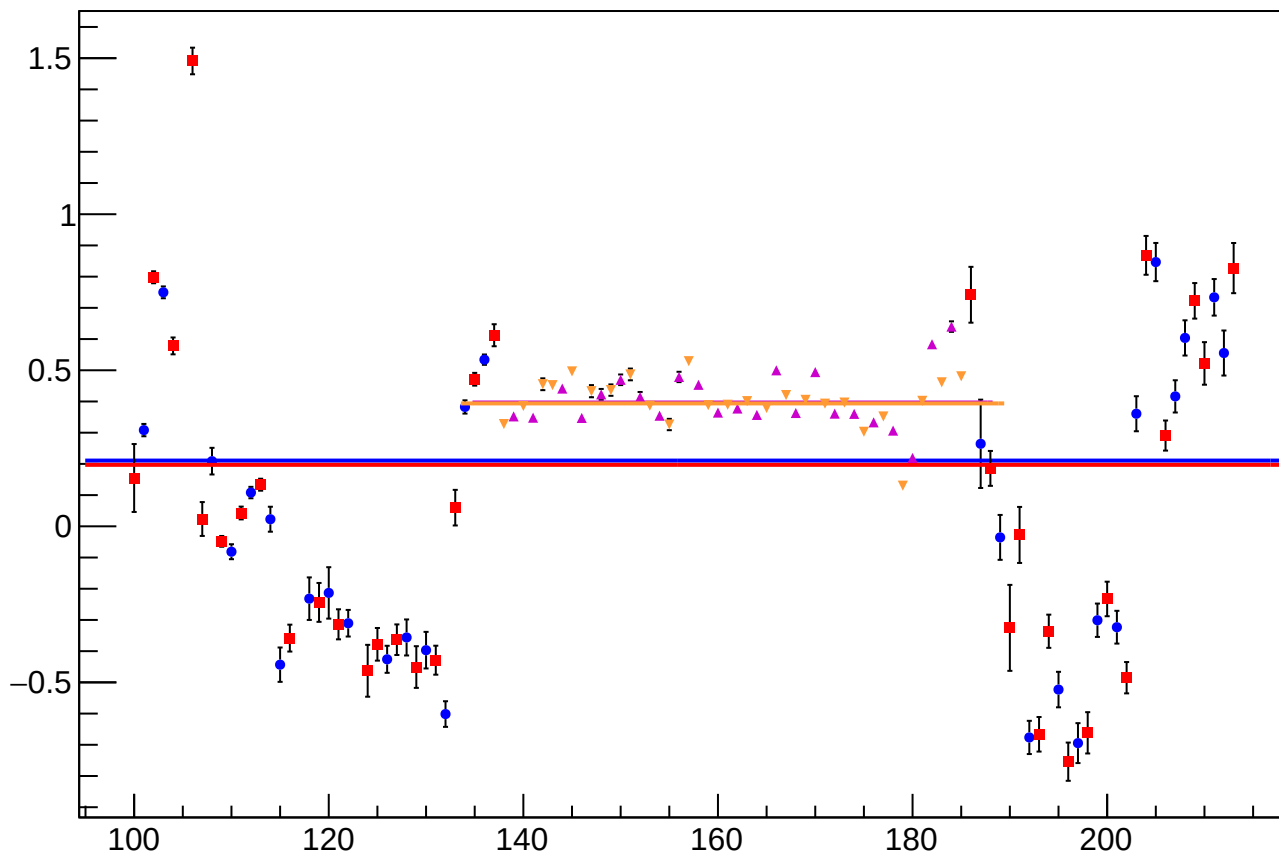
Left In: -20.324 ± 0.059 χ^2/NDF : 4272.7/22

+ sign -19.597 ± 0.052 χ^2/NDF : 8798.9/53

All: -19.611 ± 0.037 χ^2/NDF : 14673.6/110

- sign -19.626 ± 0.053 χ^2/NDF : 5874.5/56

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.211 ± 0.007 $\chi^2/\text{NDF}: 3781.1/28$

Left Out: 0.394 ± 0.003 $\chi^2/\text{NDF}: 946.9/24$

Right Out: 0.197 ± 0.006 $\chi^2/\text{NDF}: 4971.2/33$

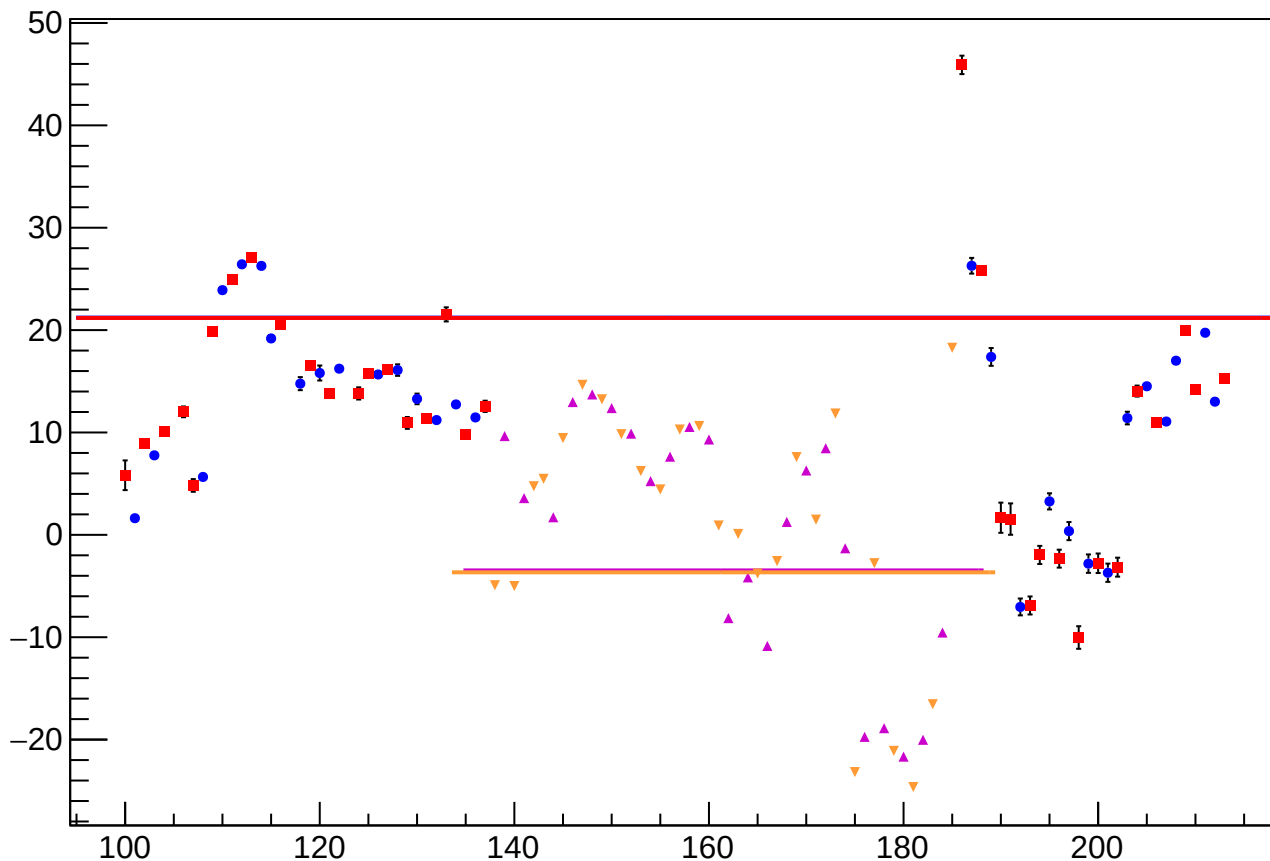
Left In: 0.397 ± 0.003 $\chi^2/\text{NDF}: 1295.7/22$

+ sign 0.369 ± 0.002 $\chi^2/\text{NDF}: 5414.8/53$

All: 0.369 ± 0.002 $\chi^2/\text{NDF}: 12495.5/110$

- sign 0.368 ± 0.002 $\chi^2/\text{NDF}: 7080.7/56$

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.219 ± 0.053 $\chi^2/\text{NDF}: 18057.5/28$

Left Out: -3.660 ± 0.055 $\chi^2/\text{NDF}: 56739.4/24$

Right Out: 21.188 ± 0.044 $\chi^2/\text{NDF}: 17989.5/33$

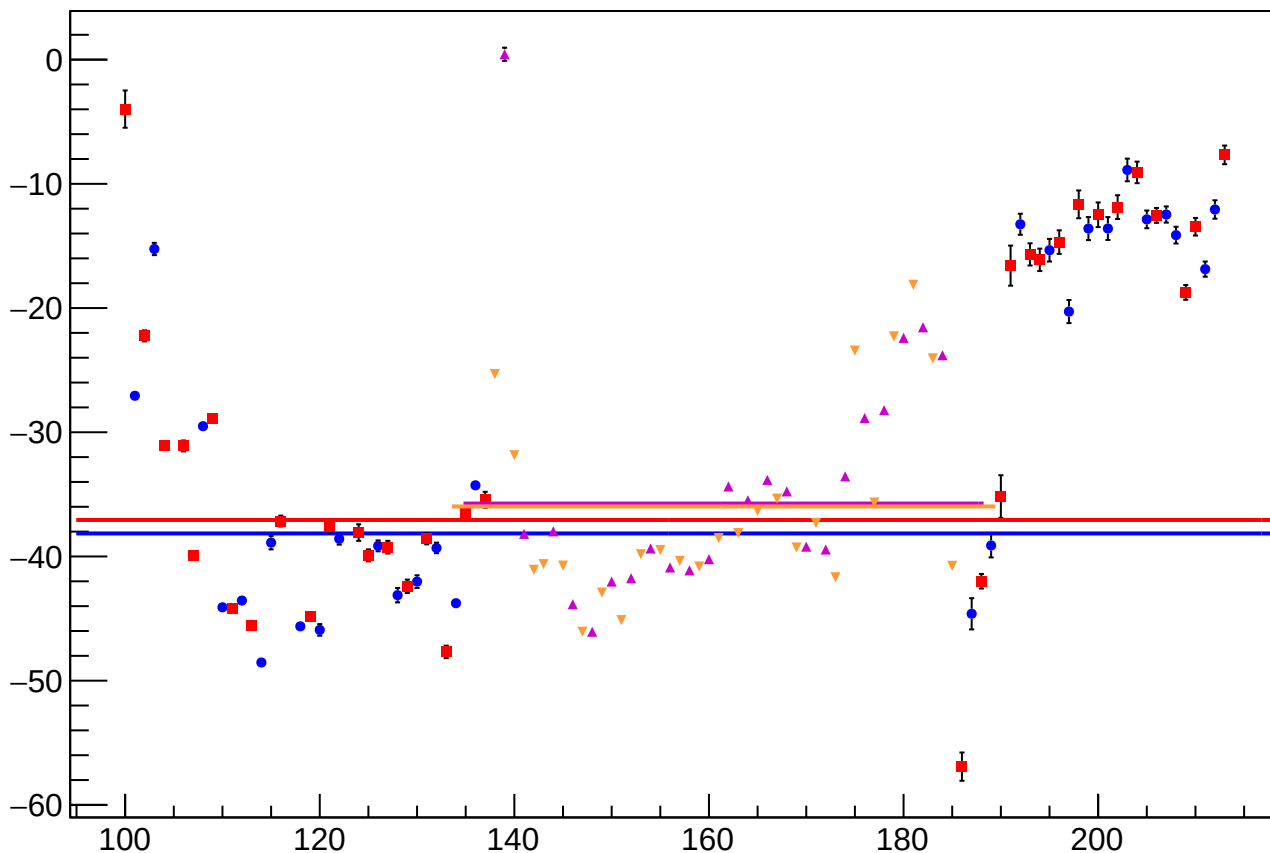
Left In: -3.475 ± 0.057 $\chi^2/\text{NDF}: 45103.9/22$

+ sign 9.152 ± 0.038 $\chi^2/\text{NDF}: 181972.8/53$

All: 10.709 ± 0.026 $\chi^2/\text{NDF}: 364176.7/110$

- sign 12.030 ± 0.035 $\chi^2/\text{NDF}: 179099.5/56$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.146 ± 0.072 χ^2/NDF : 19764.2/28

Left Out: -35.973 ± 0.042 χ^2/NDF : 33609.3/24

Right Out: -37.061 ± 0.067 χ^2/NDF : 21174.7/33

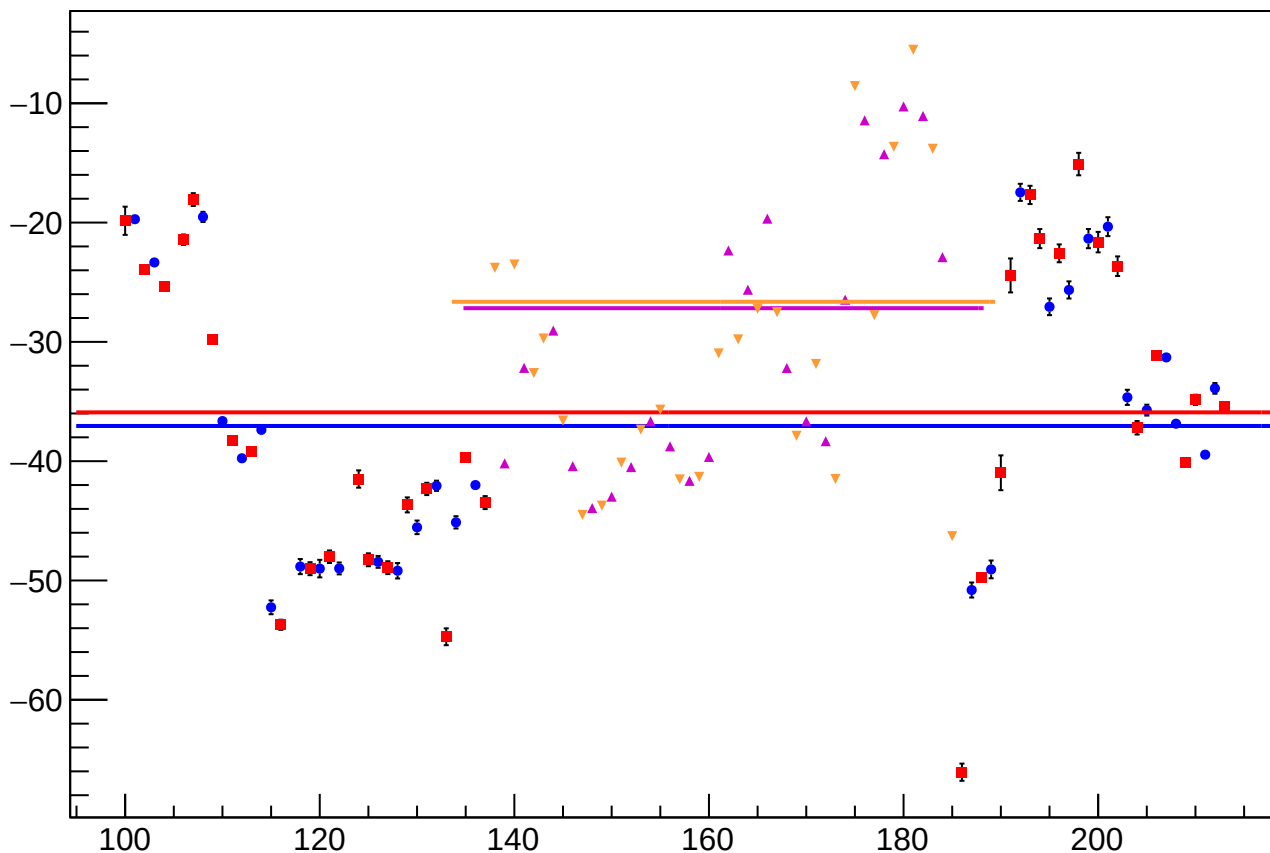
Left In: -35.737 ± 0.045 χ^2/NDF : 27154.8/22

+ sign -36.529 ± 0.037 χ^2/NDF : 54044.7/53

All: -36.340 ± 0.026 χ^2/NDF : 102694.9/110

- sign -36.144 ± 0.037 χ^2/NDF : 48596.1/56

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.049 ± 0.066 $\chi^2/\text{NDF}: 14011.8/28$

Left Out: -26.639 ± 0.055 $\chi^2/\text{NDF}: 50051.9/24$

Right Out: -35.908 ± 0.058 $\chi^2/\text{NDF}: 19394.7/33$

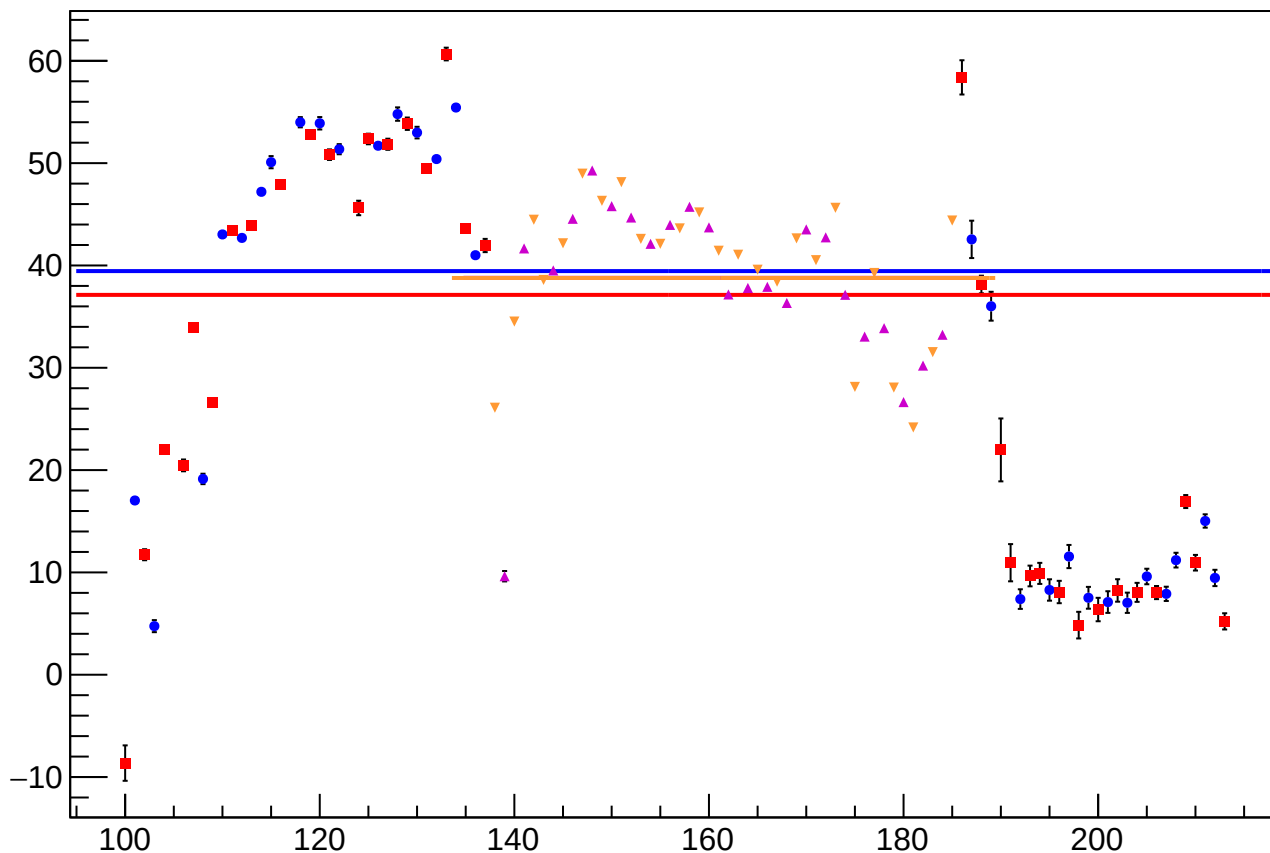
Left In: -27.176 ± 0.057 $\chi^2/\text{NDF}: 40990.1/22$

+ sign -30.892 ± 0.042 $\chi^2/\text{NDF}: 78922.1/53$

All: -31.181 ± 0.029 $\chi^2/\text{NDF}: 150808.9/110$

- sign -31.455 ± 0.041 $\chi^2/\text{NDF}: 71794.5/56$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 39.450 $\pm$ 0.081 χ^2 /NDF: 29717.2/28

Left Out: 38.777 $\pm$ 0.048 χ^2 /NDF: 21070.6/24

Right Out: 37.125 $\pm$ 0.075 χ^2 /NDF: 30342.0/33

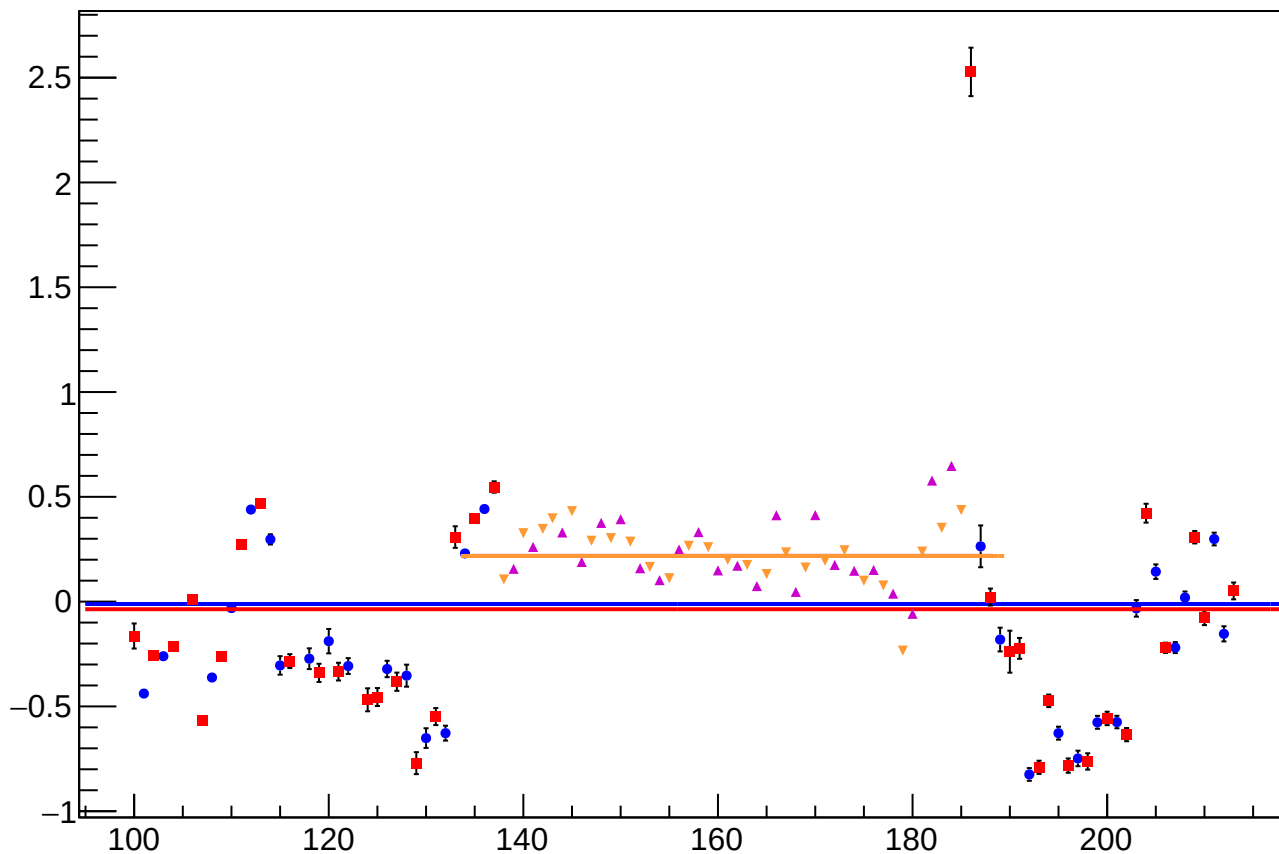
Left In: 38.791 $\pm$ 0.050 χ^2 /NDF: 16240.7/22

+ sign 38.952 $\pm$ 0.041 χ^2 /NDF: 50839.4/53

All: 38.617 $\pm$ 0.029 χ^2 /NDF: 97901.8/110

- sign 38.271 $\pm$ 0.042 χ^2 /NDF: 46926.8/56

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.011 ± 0.004 χ^2/NDF : 8166.9/28

Left Out: 0.218 ± 0.002 χ^2/NDF : 4075.0/24

Right Out: -0.036 ± 0.004 χ^2/NDF : 9629.9/33

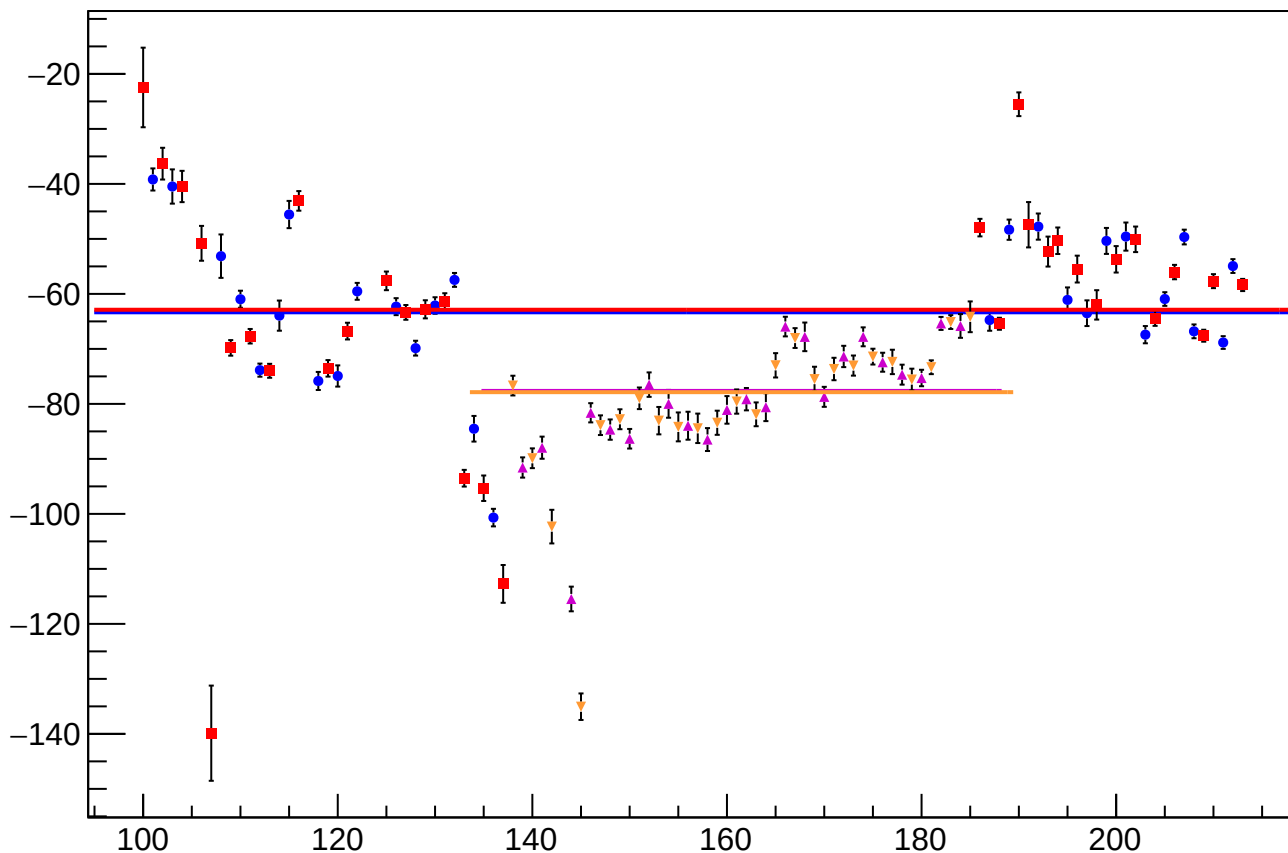
Left In: 0.218 ± 0.002 χ^2/NDF : 5312.2/22

+ sign 0.172 ± 0.002 χ^2/NDF : 14516.7/53

All: 0.165 ± 0.001 χ^2/NDF : 32616.5/110

- sign 0.157 ± 0.002 χ^2/NDF : 18070.1/56

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.345 ± 0.307 $\chi^2/\text{NDF}: 1472.2/28$

Left Out: -77.867 ± 0.394 $\chi^2/\text{NDF}: 932.3/23$

Right Out: -62.883 ± 0.294 $\chi^2/\text{NDF}: 1974.6/32$

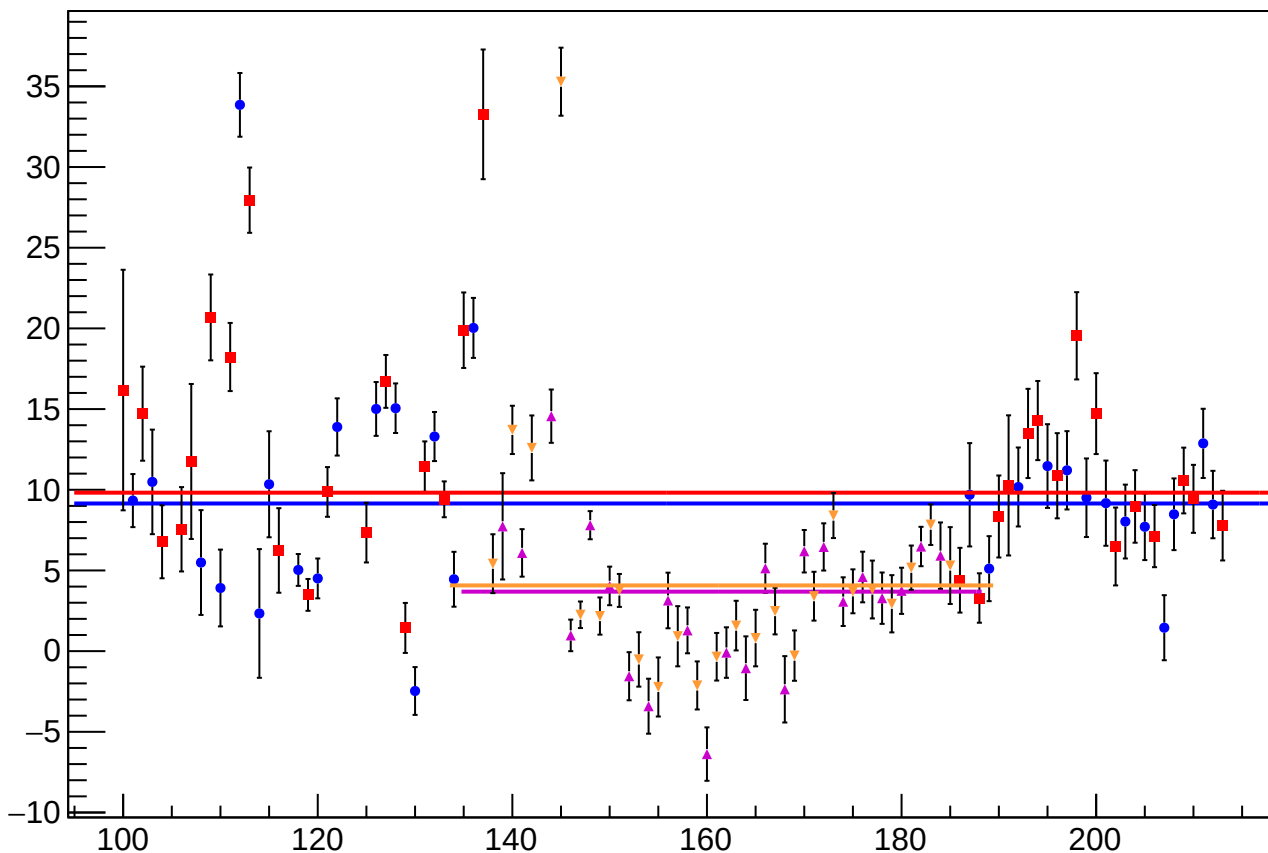
Left In: -77.643 ± 0.396 $\chi^2/\text{NDF}: 693.3/22$

+ sign -68.840 ± 0.242 $\chi^2/\text{NDF}: 3248.6/52$

All: -68.476 ± 0.169 $\chi^2/\text{NDF}: 6814.3/108$

- sign -68.130 ± 0.236 $\chi^2/\text{NDF}: 3561.3/55$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.149 $\pm$ 0.355 χ^2/NDF : 366.7/28

Left Out: 4.073 $\pm$ 0.297 χ^2/NDF : 370.6/23

Right Out: 9.820 $\pm$ 0.349 χ^2/NDF : 317.6/32

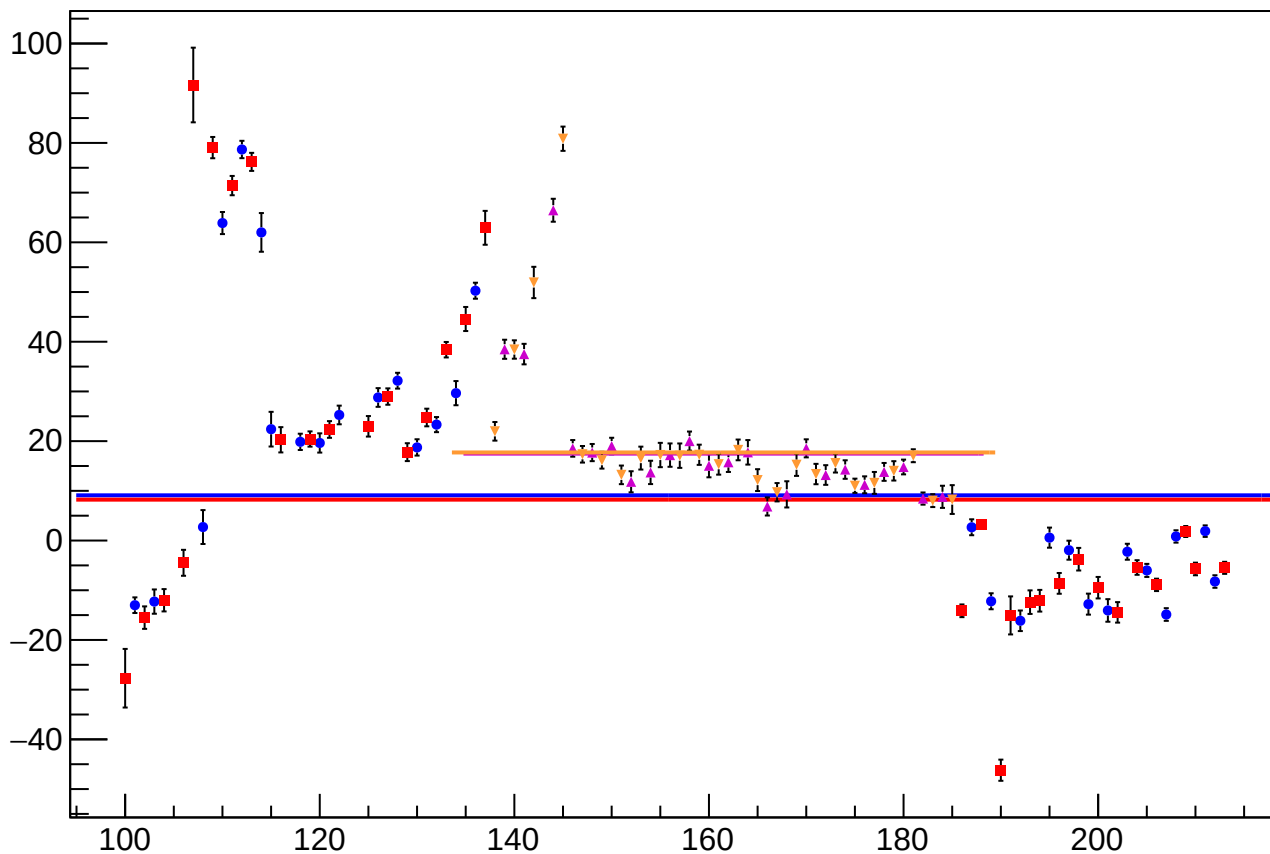
Left In: 3.686 $\pm$ 0.302 χ^2/NDF : 182.6/22

+ sign 6.158 $\pm$ 0.228 χ^2/NDF : 857.5/52

All: 6.234 $\pm$ 0.161 χ^2/NDF : 1534.7/108

- sign 6.309 $\pm$ 0.228 χ^2/NDF : 677.0/55

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 9.097 $\pm$ 0.319 χ^2 /NDF: 5396.4/28

Left Out: 17.723 $\pm$ 0.391 χ^2 /NDF:1058.3/23

Right Out: 8.230 $\pm$ 0.303 χ^2 /NDF: 7297.7/32

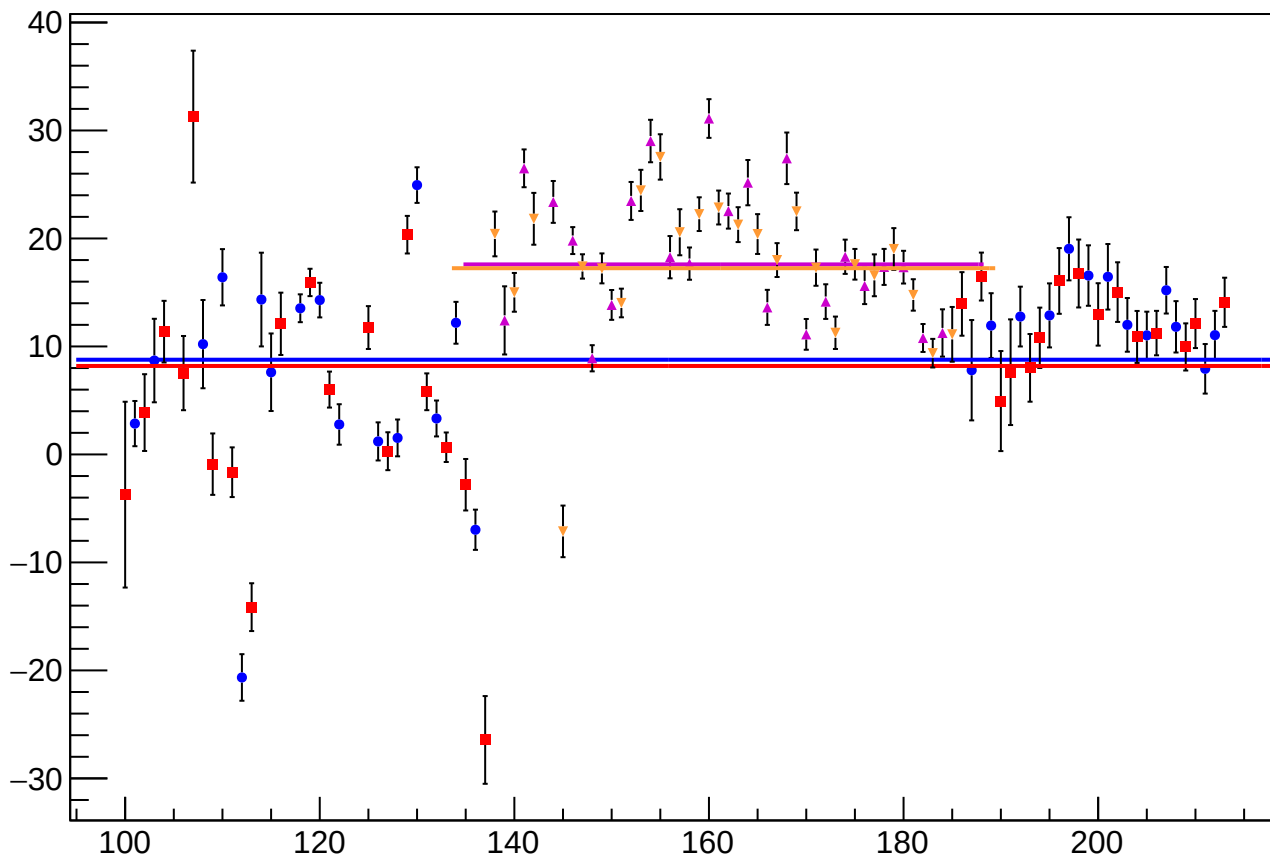
Left In: 17.491 $\pm$ 0.393 χ^2 /NDF:820.7/22

+ sign 12.540 $\pm$ 0.247 χ^2 /NDF: 6747.1/52

All: 12.102 $\pm$ 0.172 χ^2 /NDF: 15219.9/108

- sign 11.689 $\pm$ 0.240 χ^2 /NDF: 8466.8/55

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.771 ± 0.409 $\chi^2/\text{NDF}: 504.4/28$

Left Out: 17.245 ± 0.338 $\chi^2/\text{NDF}: 260.8/23$

Right Out: 8.192 ± 0.406 $\chi^2/\text{NDF}: 444.5/32$

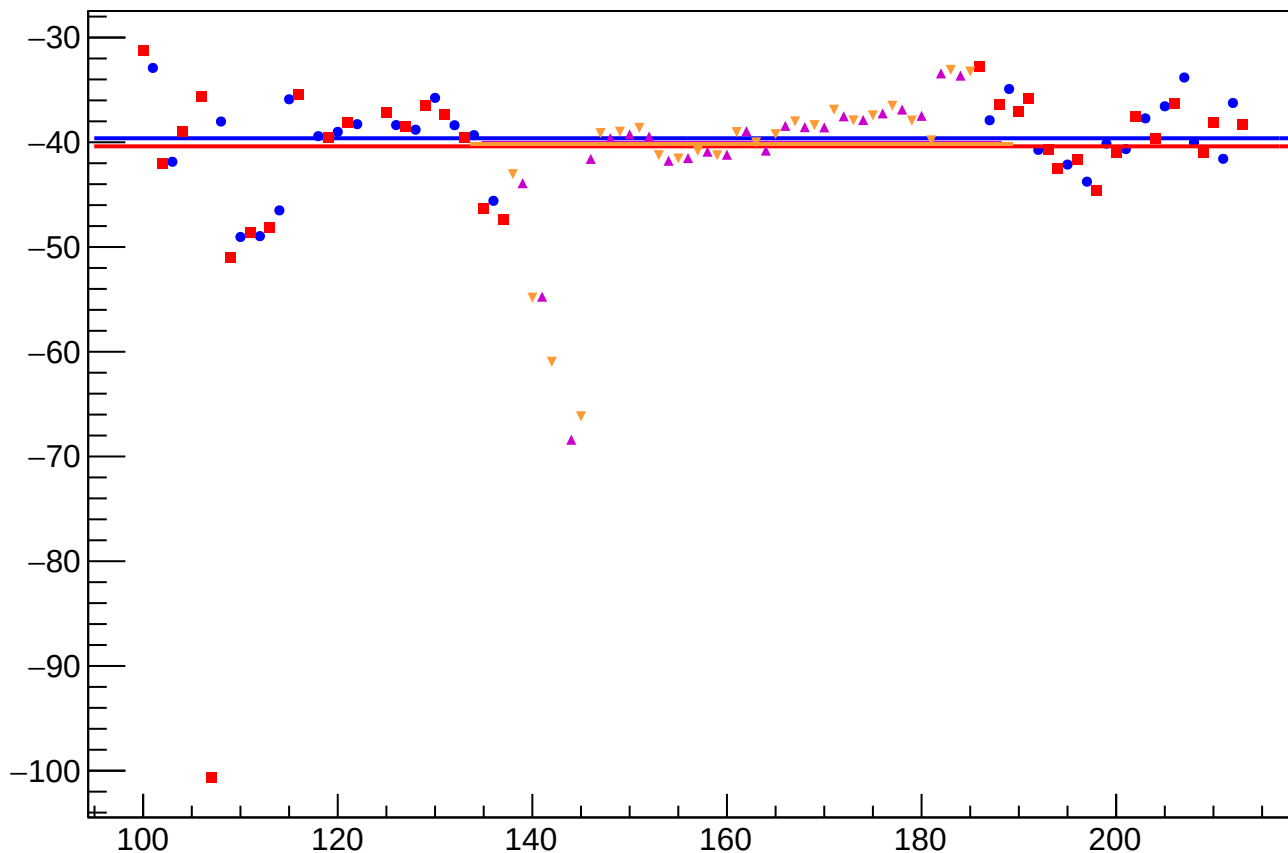
Left In: 17.597 ± 0.342 $\chi^2/\text{NDF}: 309.7/22$

+ sign 13.805 ± 0.261 $\chi^2/\text{NDF}: 1020.1/52$

All: 13.747 ± 0.185 $\chi^2/\text{NDF}: 2088.3/108$

- sign 13.688 ± 0.262 $\chi^2/\text{NDF}: 1068.1/55$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.616 ± 0.020 χ^2/NDF : 33725.6/28

Left Out: -40.165 ± 0.015 χ^2/NDF : 163335.9/23

Right Out: -40.387 ± 0.020 χ^2/NDF : 73469.5/32

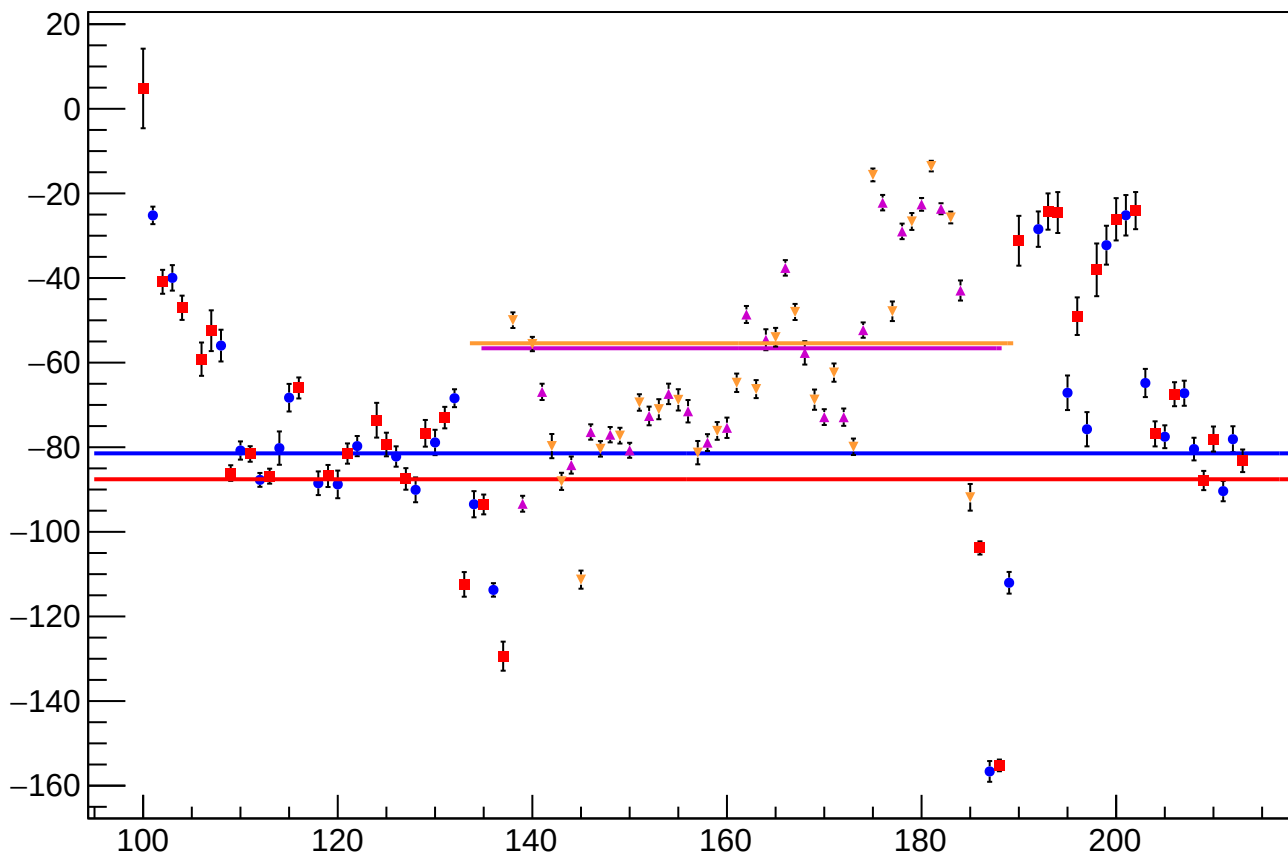
Left In: -40.050 ± 0.015 χ^2/NDF : 136438.5/22

+ sign -39.964 ± 0.012 χ^2/NDF : 197522.3/52

All: -40.071 ± 0.009 χ^2/NDF : 407756.6/108

- sign -40.175 ± 0.012 χ^2/NDF : 210086.5/55

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.446 ± 0.498 χ^2/NDF : 3061.8/28

Left Out: -55.424 ± 0.393 χ^2/NDF : 4525.3/24

Right Out: -87.570 ± 0.464 χ^2/NDF : 4615.6/32

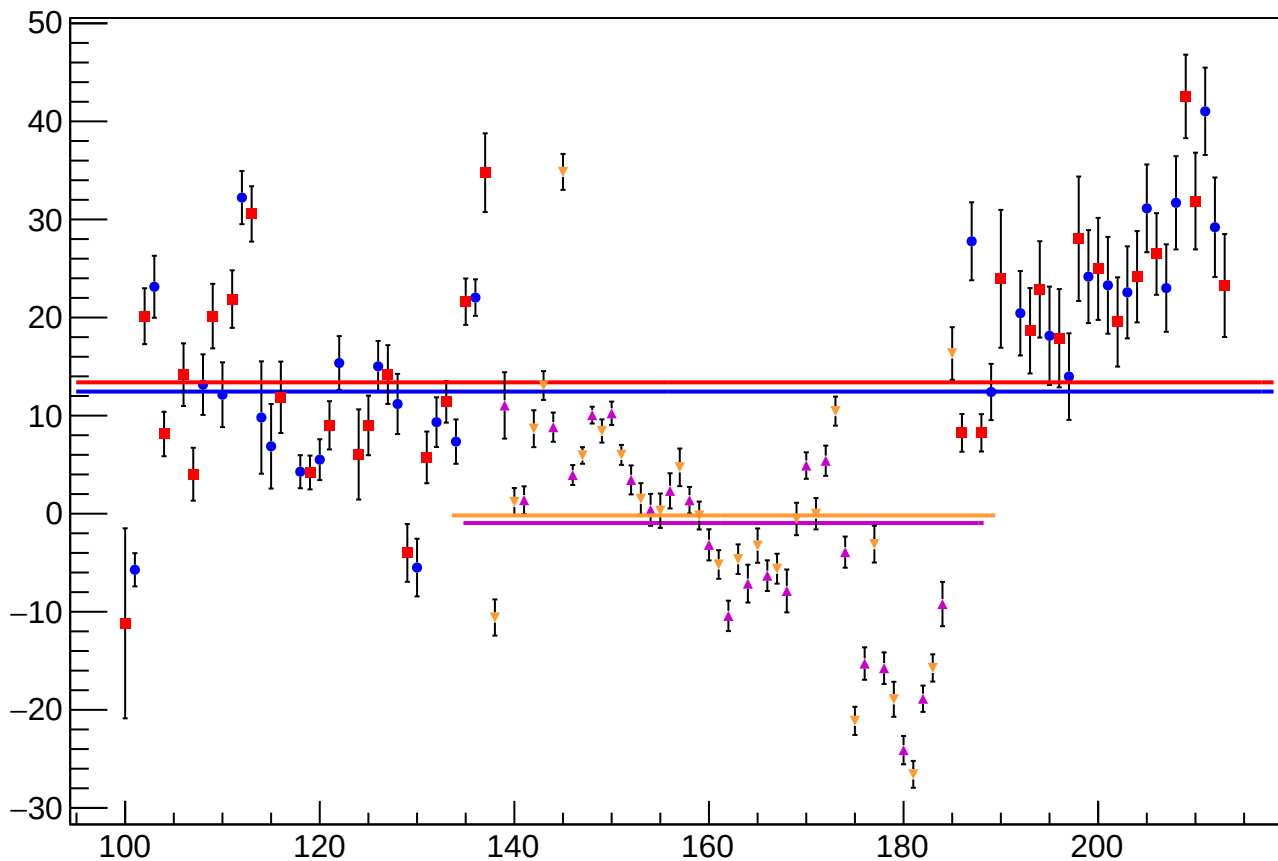
Left In: -56.609 ± 0.404 χ^2/NDF : 3350.3/22

+ sign -65.410 ± 0.309 χ^2/NDF : 9267.1/53

All: -67.720 ± 0.217 χ^2/NDF : 19880.2/109

- sign -69.965 ± 0.304 χ^2/NDF : 10502.7/55

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.450 ± 0.552 $\chi^2/\text{NDF}: 415.7/28$

Left Out: -0.179 ± 0.294 $\chi^2/\text{NDF}: 1598.6/24$

Right Out: 13.391 ± 0.534 $\chi^2/\text{NDF}: 314.9/32$

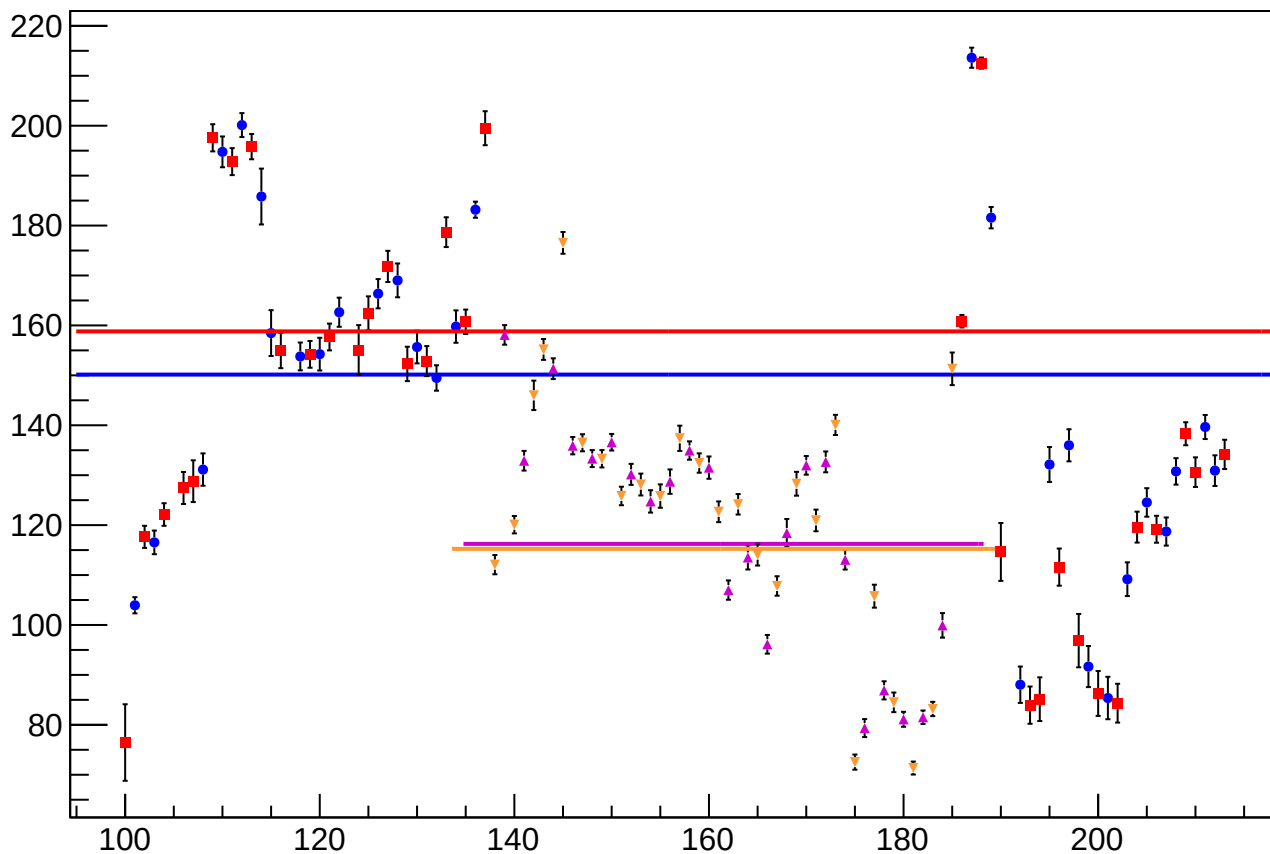
Left In: -0.952 ± 0.304 $\chi^2/\text{NDF}: 1069.6/22$

+ sign 2.616 ± 0.260 $\chi^2/\text{NDF}: 2422.3/53$

All: 2.590 ± 0.185 $\chi^2/\text{NDF}: 4352.2/109$

- sign 2.564 ± 0.264 $\chi^2/\text{NDF}: 1929.9/55$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 150.152 $\pm$ 0.508 χ^2 /NDF: 4696.3/28

Left Out: 115.243 $\pm$ 0.390 χ^2 /NDF: 4836.5/24

Right Out: 158.805 $\pm$ 0.464 χ^2 /NDF: 6294.6/32

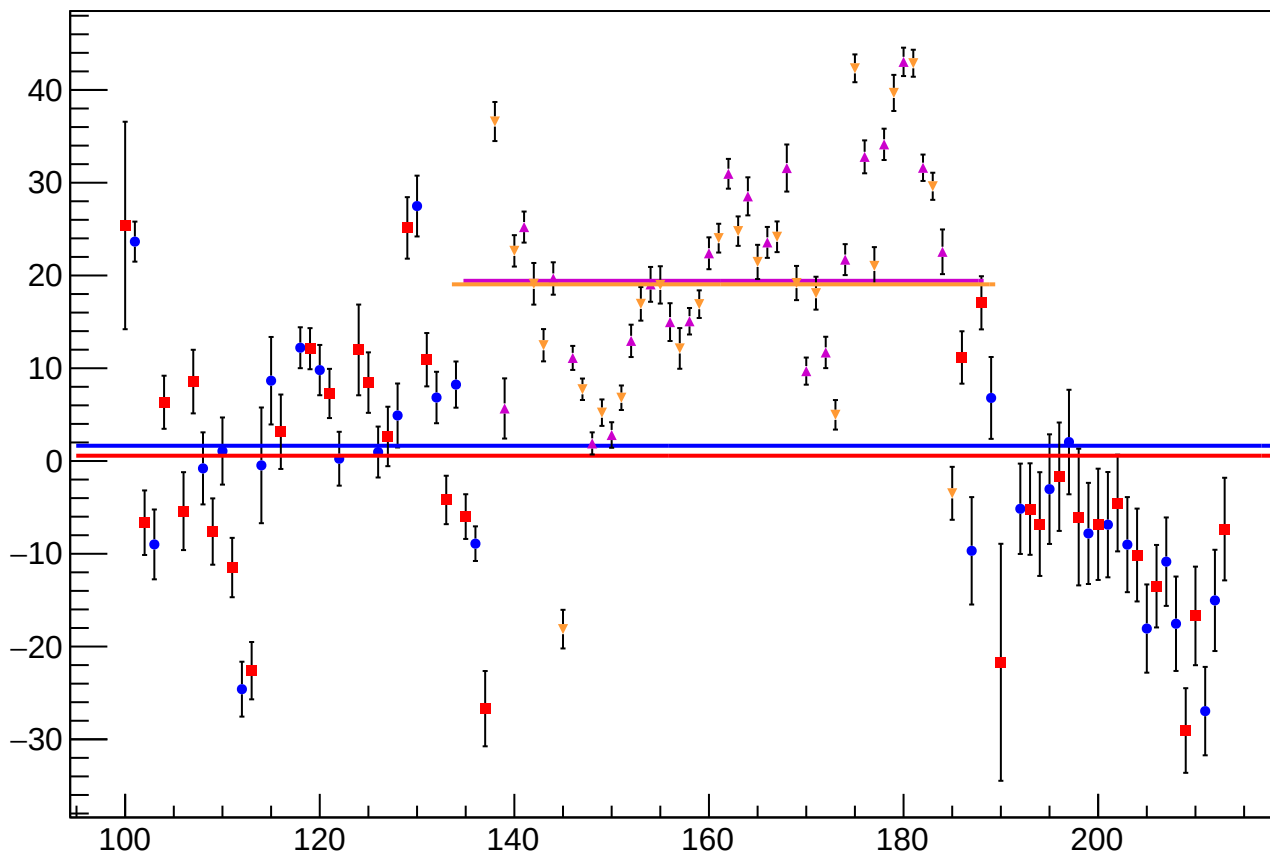
Left In: 116.246 $\pm$ 0.399 χ^2 /NDF: 3637.3/22

+ sign 128.201 $\pm$ 0.310 χ^2 /NDF: 12501.4/53

All: 131.334 $\pm$ 0.216 χ^2 /NDF: 27464.3/109

- sign 134.331 $\pm$ 0.303 χ^2 /NDF: 14762.4/55

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.645 ± 0.639 χ^2/NDF : 432.2/28

Left Out: 19.046 ± 0.336 χ^2/NDF : 1545.8/24

Right Out: 0.572 ± 0.631 χ^2/NDF : 391.9/32

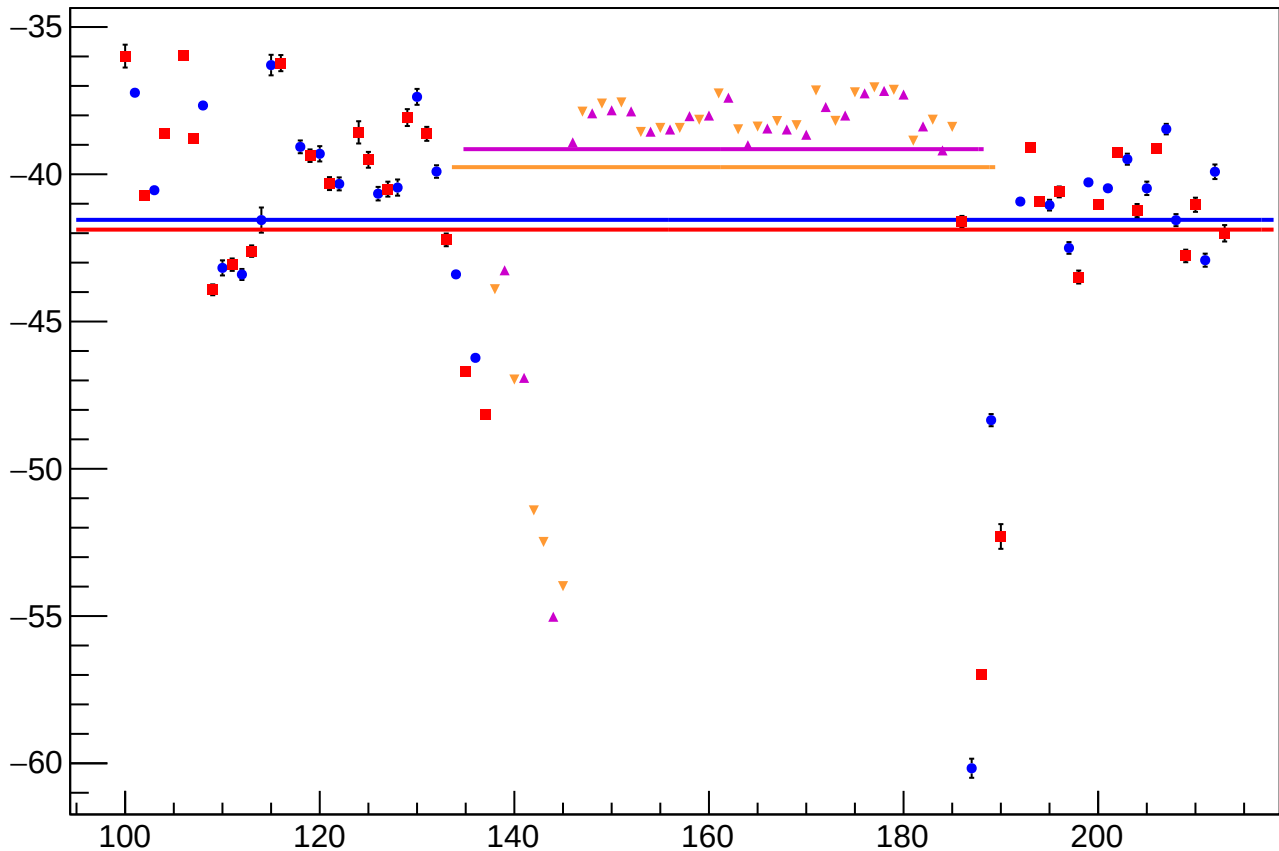
Left In: 19.425 ± 0.346 χ^2/NDF : 1077.2/22

+ sign 15.271 ± 0.297 χ^2/NDF : 2559.4/53

All: 15.172 ± 0.212 χ^2/NDF : 4715.8/109

- sign 15.070 ± 0.303 χ^2/NDF : 2156.1/55

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.547 ± 0.031 $\chi^2/\text{NDF}: 12971.4/28$

Left Out: -39.758 ± 0.015 $\chi^2/\text{NDF}: 81865.0/24$

Right Out: -41.879 ± 0.031 $\chi^2/\text{NDF}: 19762.5/32$

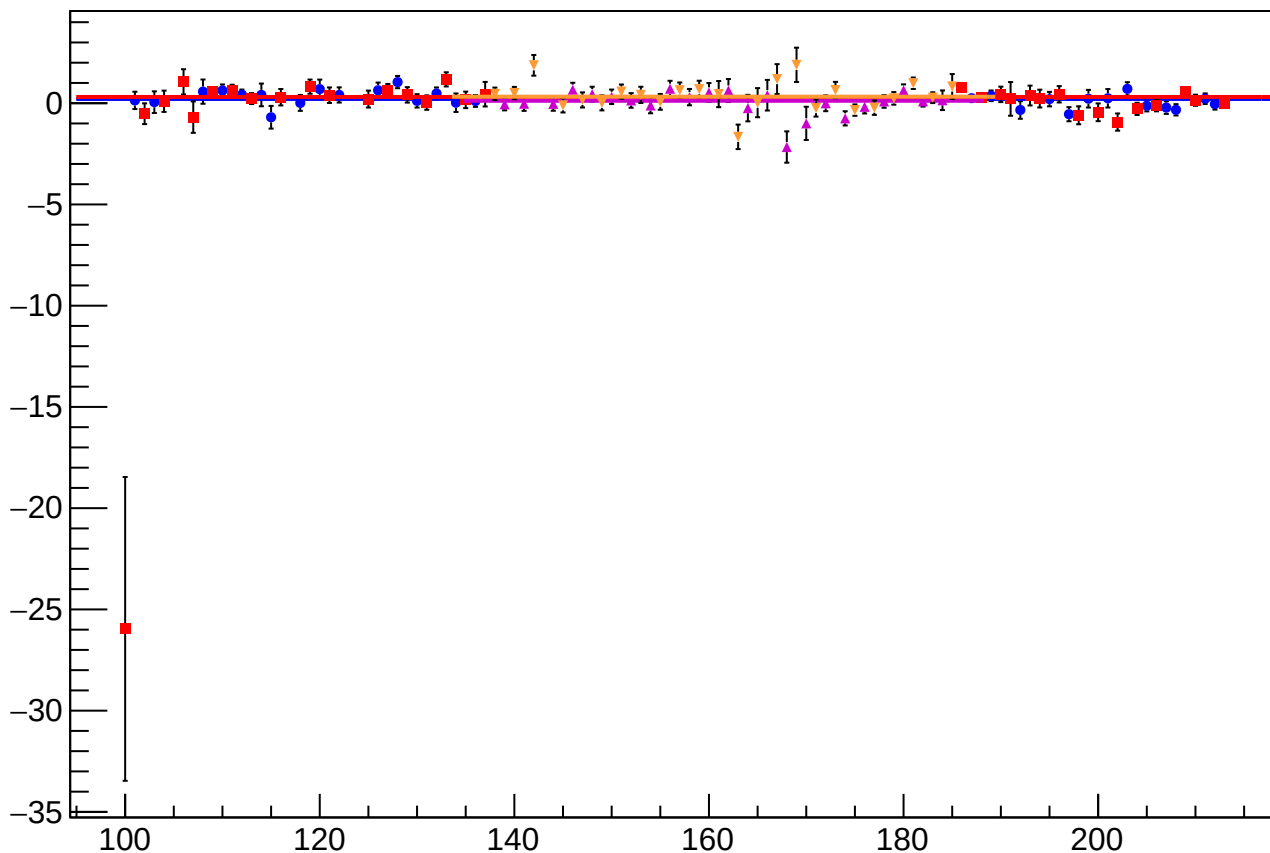
Left In: -39.147 ± 0.016 $\chi^2/\text{NDF}: 46907.5/22$

+ sign -40.113 ± 0.014 $\chi^2/\text{NDF}: 97499.1/53$

All: -39.906 ± 0.010 $\chi^2/\text{NDF}: 170766.2/109$

- sign -39.695 ± 0.014 $\chi^2/\text{NDF}: 72815.7/55$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.211 ± 0.062 χ^2/NDF : 34.3/28

Left Out: 0.321 ± 0.078 χ^2/NDF : 46.9/23

Right Out: 0.308 ± 0.055 χ^2/NDF : 63.6/32

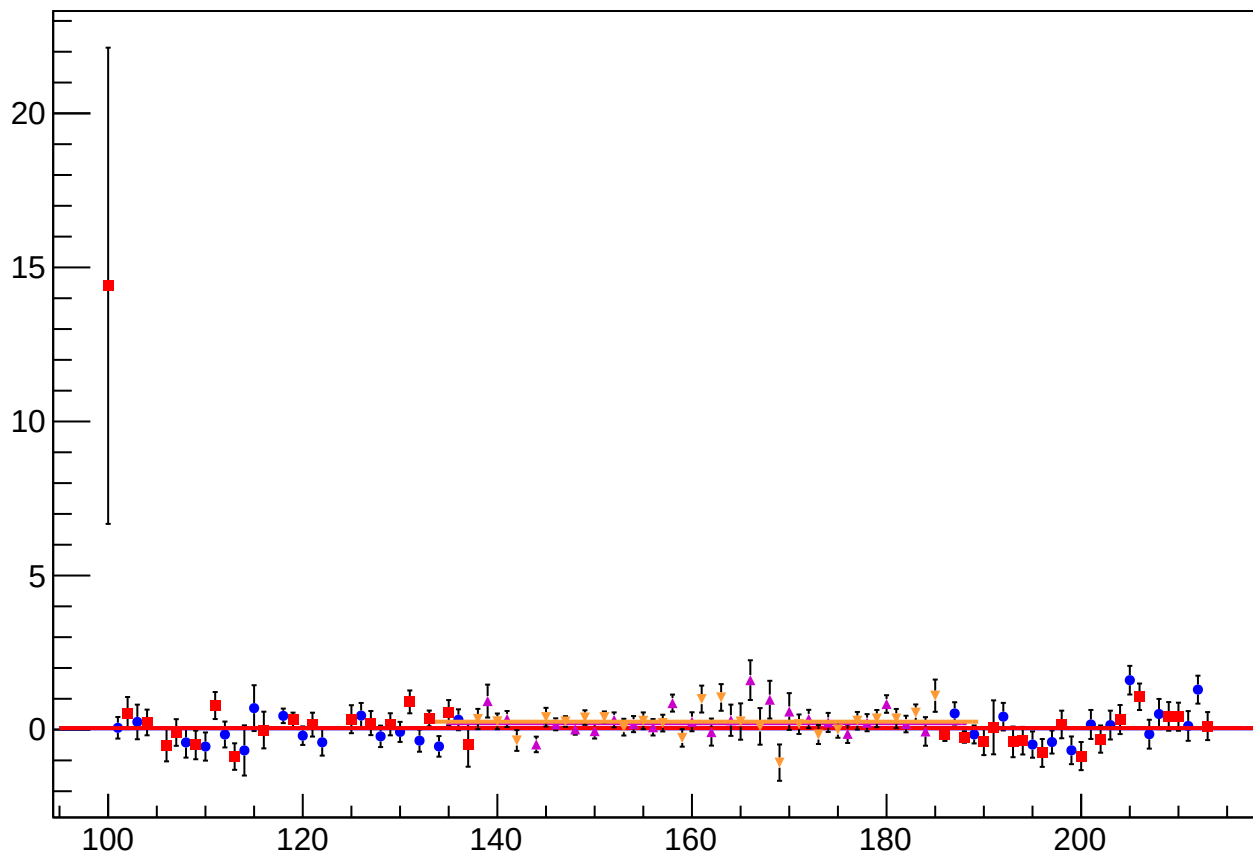
Left In: 0.120 ± 0.079 χ^2/NDF : 30.0/22

+ sign 0.254 ± 0.049 χ^2/NDF : 82.4/52

All: 0.250 ± 0.033 χ^2/NDF : 179.7/108

- sign 0.247 ± 0.045 χ^2/NDF : 97.3/55

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.041 ± 0.073 χ^2/NDF : 44.4/28

Left Out: 0.257 ± 0.059 χ^2/NDF : 26.5/23

Right Out: 0.049 ± 0.067 χ^2/NDF : 46.5/32

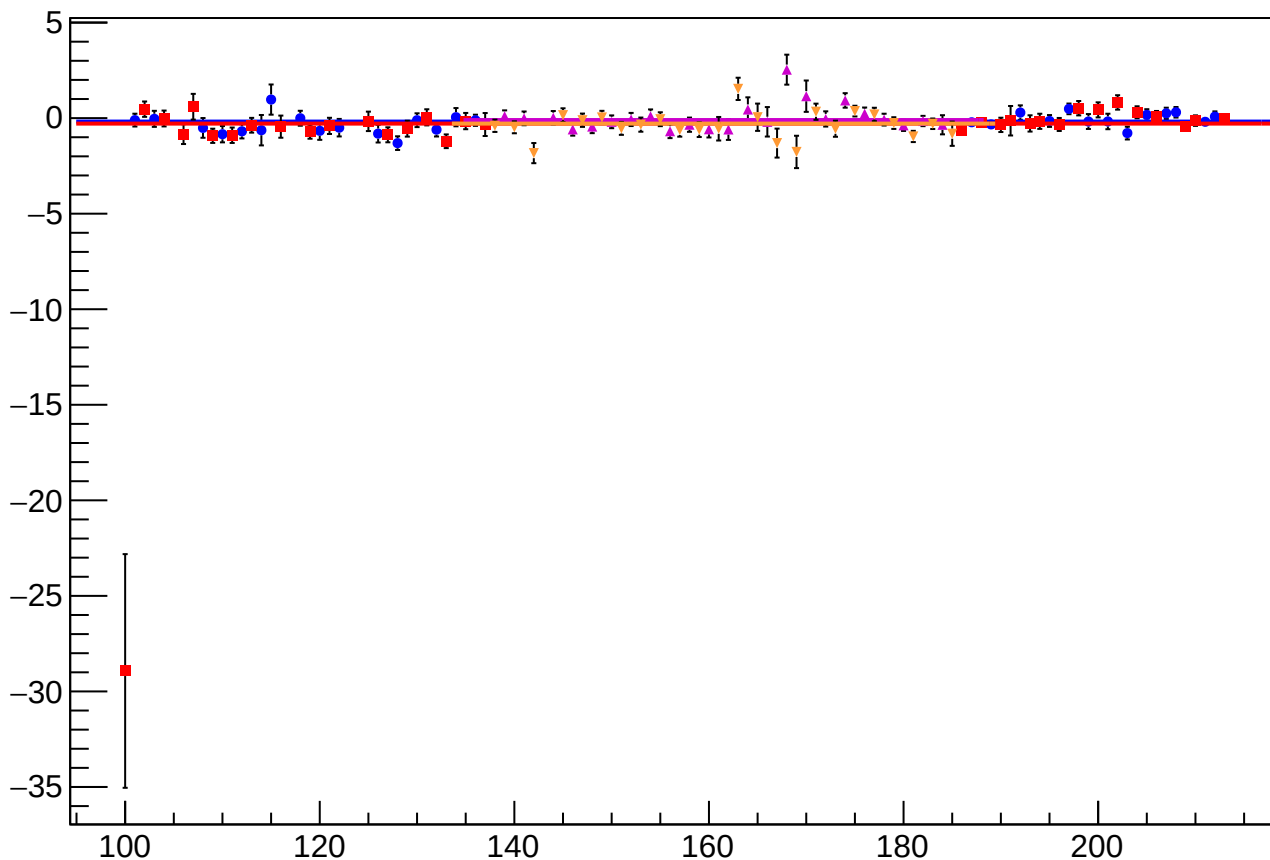
Left In: 0.207 ± 0.060 χ^2/NDF : 31.9/22

+ sign 0.171 ± 0.046 χ^2/NDF : 76.2/52

All: 0.153 ± 0.032 χ^2/NDF : 157.9/108

- sign 0.136 ± 0.045 χ^2/NDF : 81.4/55

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.180 ± 0.062 χ^2/NDF : 41.0/28

Left Out: -0.286 ± 0.077 χ^2/NDF : 45.0/23

Right Out: -0.287 ± 0.053 χ^2/NDF : 76.8/32

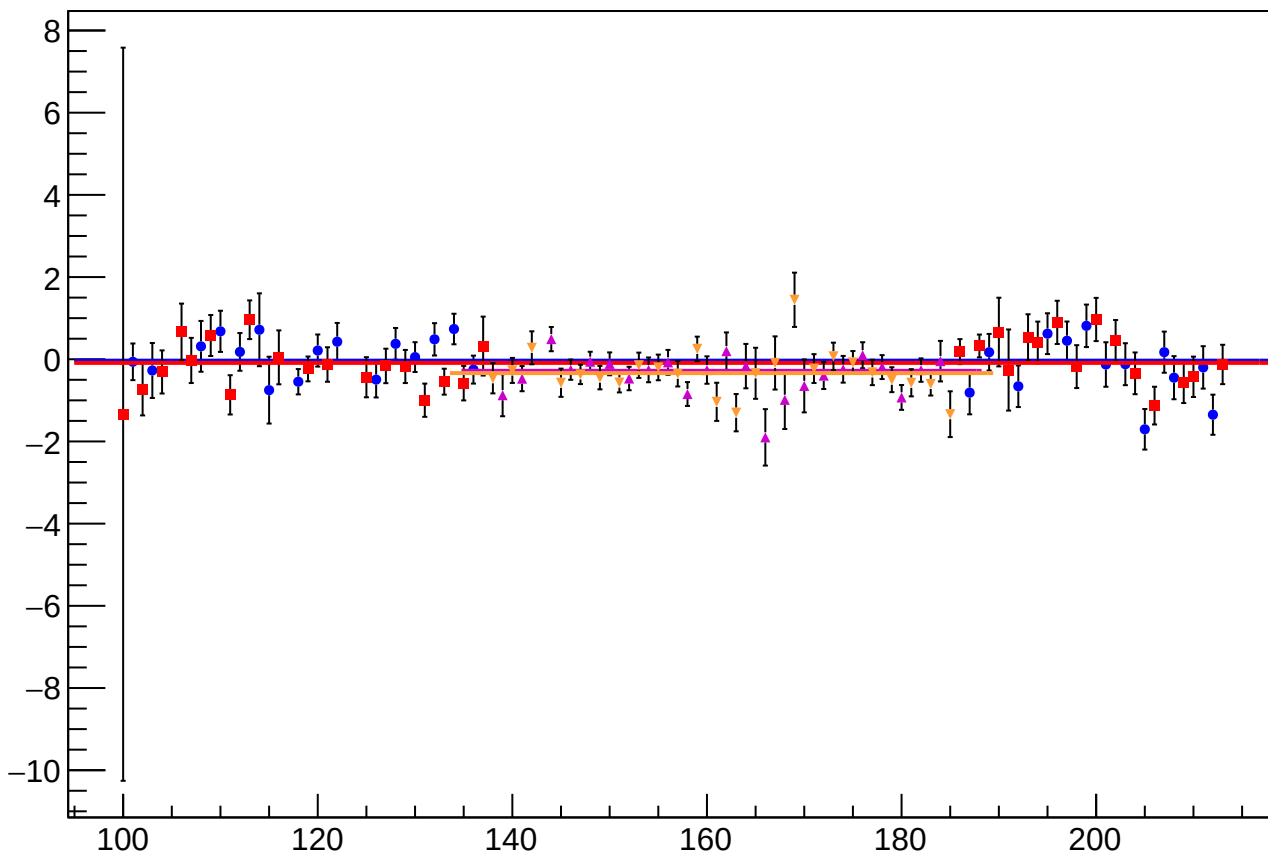
Left In: -0.100 ± 0.078 χ^2/NDF : 33.2/22

+ sign -0.222 ± 0.048 χ^2/NDF : 87.2/52

All: -0.225 ± 0.033 χ^2/NDF : 201.2/108

- sign -0.228 ± 0.044 χ^2/NDF : 114.0/55

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.035 ± 0.085 χ^2/NDF : 46.2/28

Left Out: -0.337 ± 0.068 χ^2/NDF : 30.1/23

Right Out: -0.088 ± 0.081 χ^2/NDF : 43.0/32

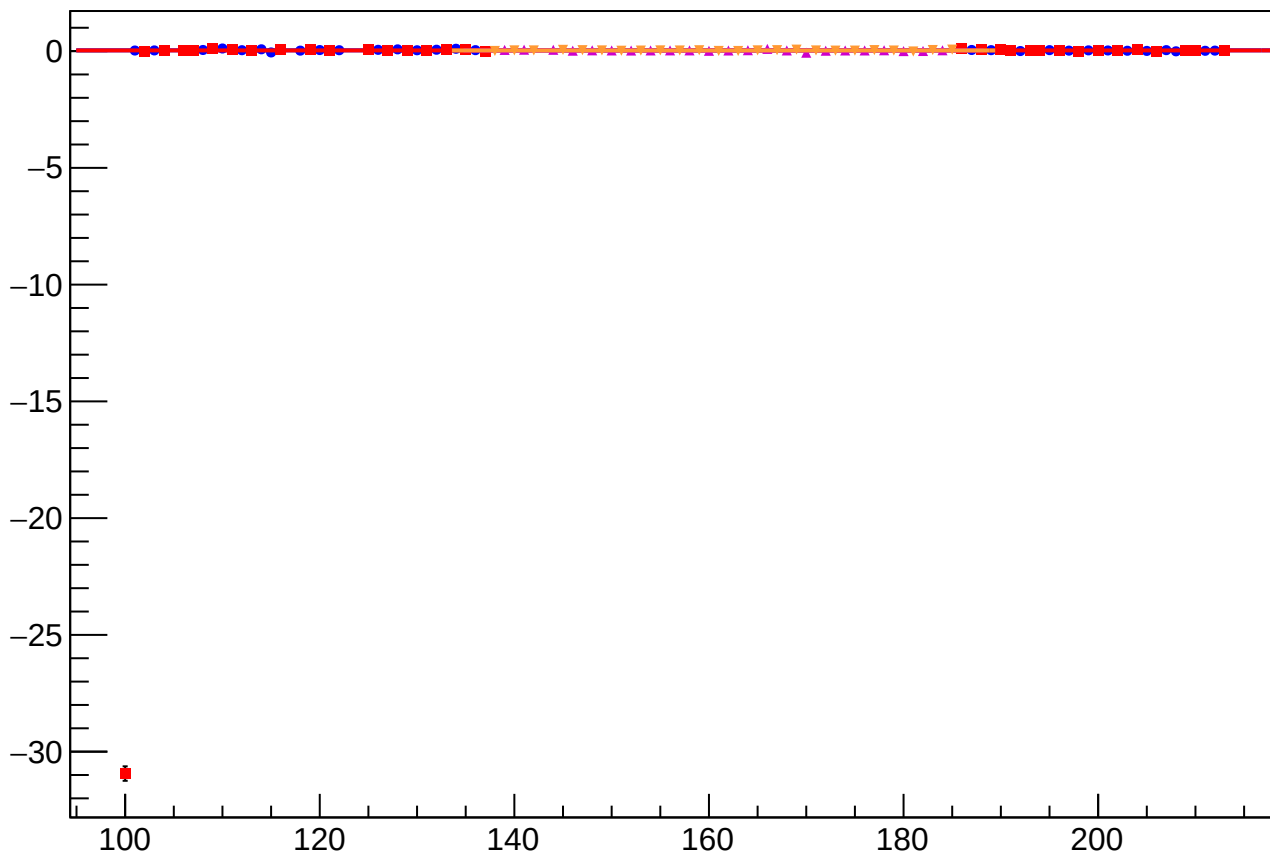
Left In: -0.282 ± 0.069 χ^2/NDF : 29.0/22

+ sign -0.219 ± 0.053 χ^2/NDF : 84.0/52

All: -0.210 ± 0.037 χ^2/NDF : 159.4/108

- sign -0.201 ± 0.053 χ^2/NDF : 75.3/55

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.034 $\pm$ 0.004 χ^2 /NDF: 37.2/28

Left Out: 0.028 $\pm$ 0.003 χ^2 /NDF: 27.6/23

Right Out: 0.030 $\pm$ 0.004 χ^2 /NDF: 10055.8/32

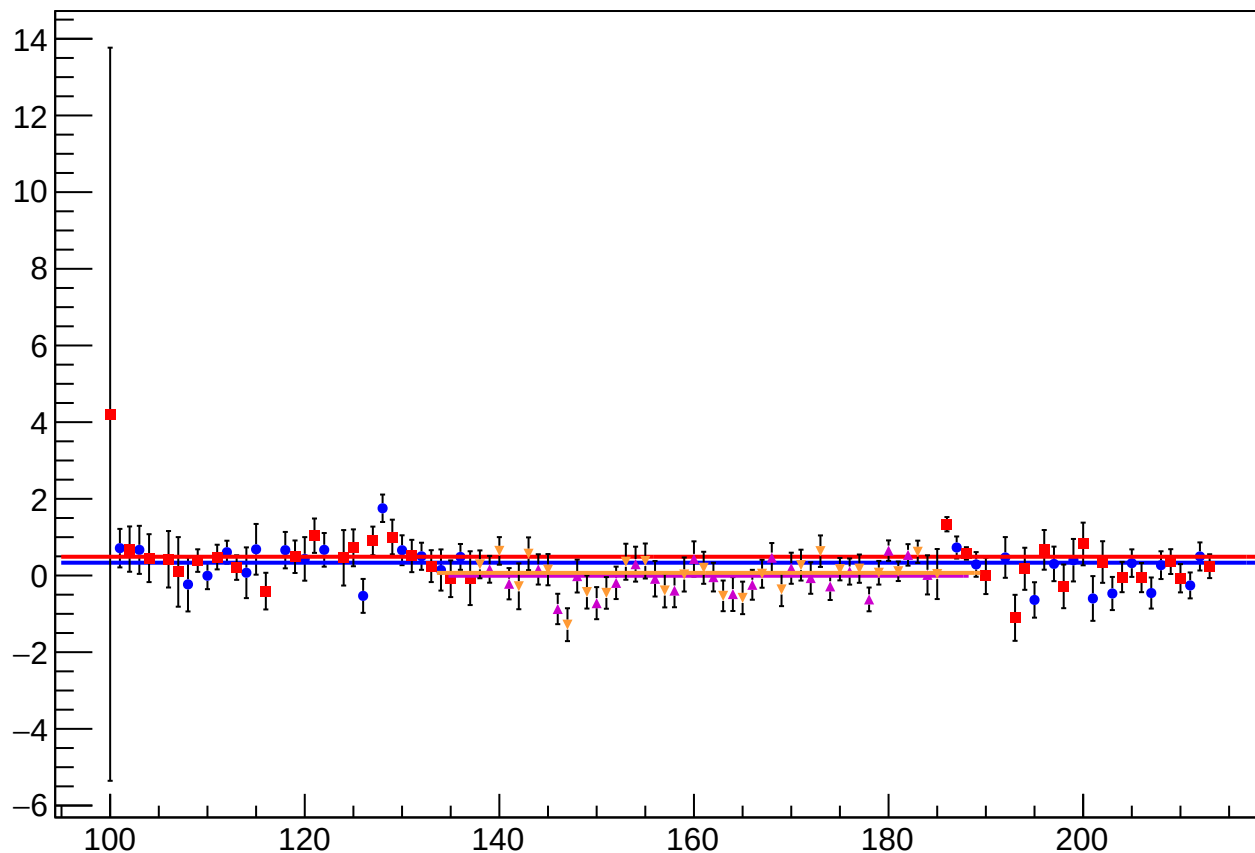
Left In: 0.029 $\pm$ 0.003 χ^2 /NDF: 38.9/22

+ sign 0.030 $\pm$ 0.002 χ^2 /NDF: 66.2/52

All: 0.030 $\pm$ 0.002 χ^2 /NDF: 10161.0/108

- sign 0.030 $\pm$ 0.002 χ^2 /NDF: 10094.7/55

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.334 ± 0.077 χ^2/NDF : 45.2/28

Left Out: 0.069 ± 0.077 χ^2/NDF : 31.1/24

Right Out: 0.489 ± 0.067 χ^2/NDF : 50.3/32

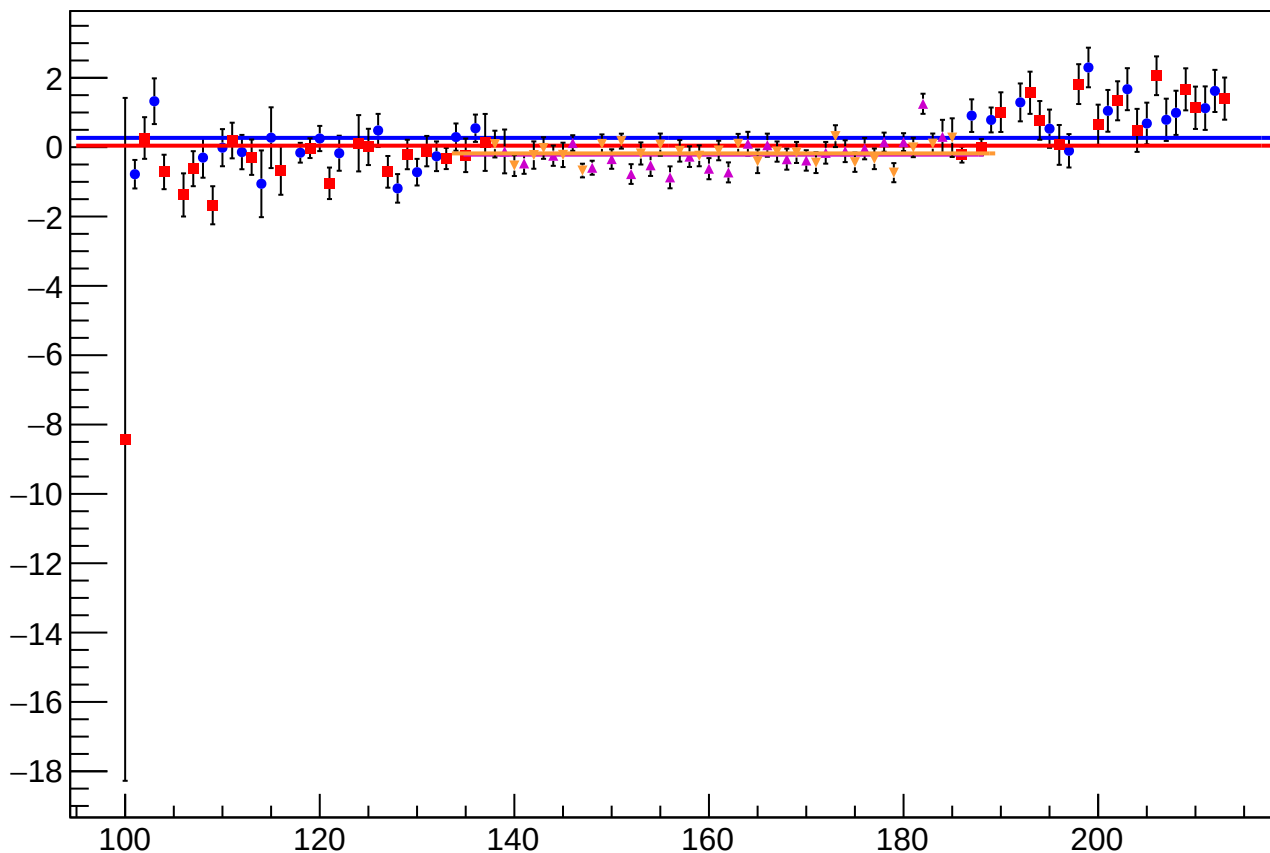
Left In: -0.006 ± 0.079 χ^2/NDF : 28.5/22

+ sign 0.202 ± 0.055 χ^2/NDF : 82.2/53

All: 0.245 ± 0.037 χ^2/NDF : 184.8/109

- sign 0.283 ± 0.051 χ^2/NDF : 101.5/55

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.268 ± 0.089 χ^2/NDF : 74.6/28

Left Out: -0.180 ± 0.059 χ^2/NDF : 24.7/24

Right Out: 0.043 ± 0.081 χ^2/NDF : 89.3/32

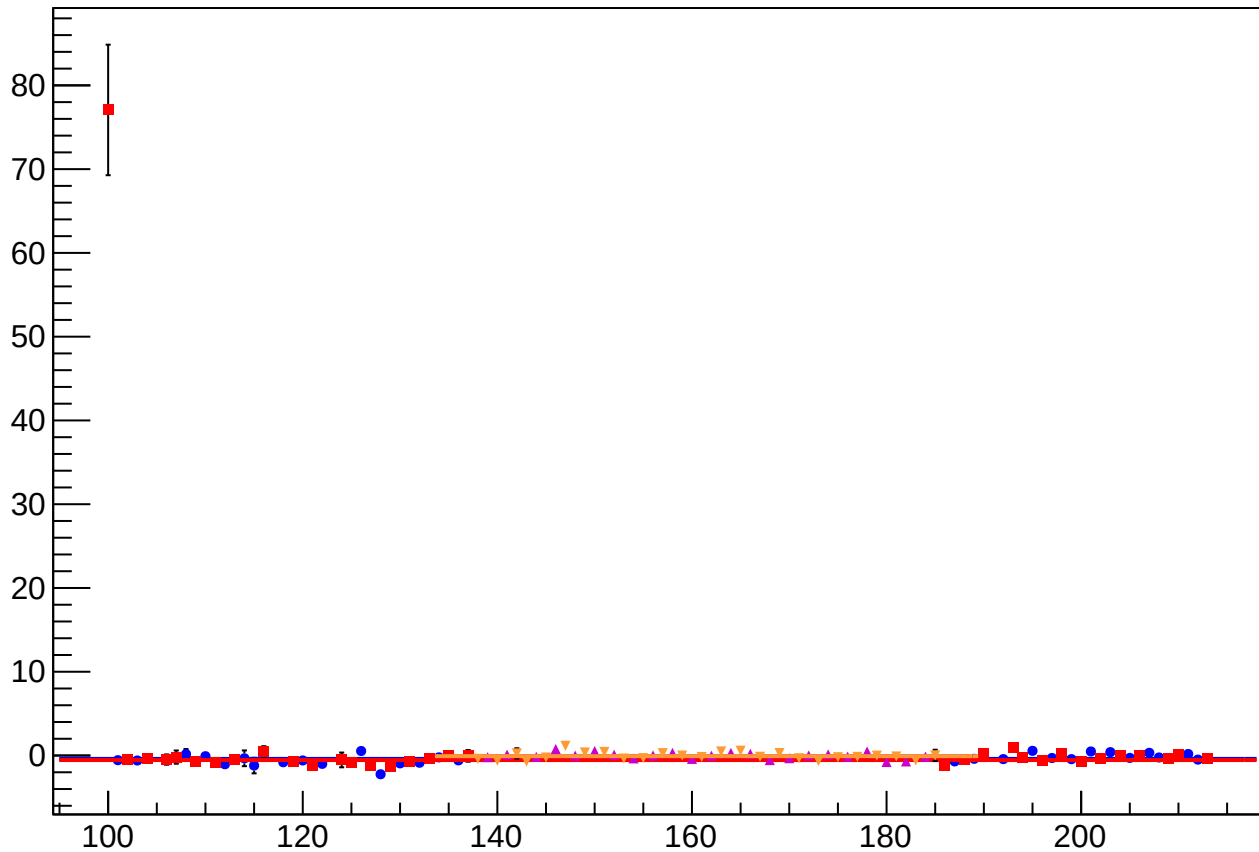
Left In: -0.216 ± 0.062 χ^2/NDF : 53.6/22

+ sign -0.044 ± 0.049 χ^2/NDF : 116.8/53

All: -0.082 ± 0.035 χ^2/NDF : 267.4/109

- sign -0.121 ± 0.049 χ^2/NDF : 149.3/55

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.407 ± 0.077 χ^2/NDF : 52.0/28

Left Out: -0.077 ± 0.077 χ^2/NDF : 30.0/24

Right Out: -0.542 ± 0.065 χ^2/NDF : 149.5/32

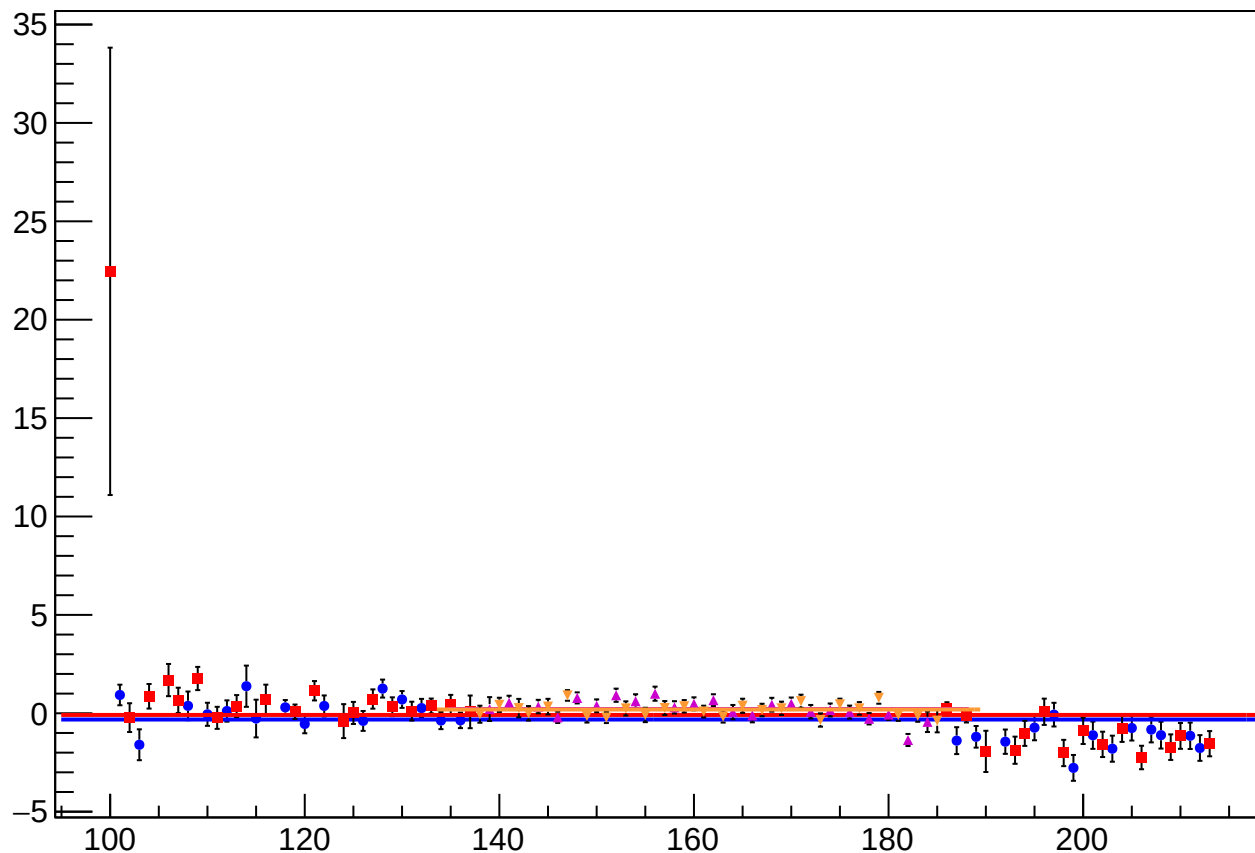
Left In: -0.075 ± 0.079 χ^2/NDF : 28.3/22

+ sign -0.241 ± 0.054 χ^2/NDF : 91.2/53

All: -0.303 ± 0.037 χ^2/NDF : 292.4/109

- sign -0.354 ± 0.050 χ^2/NDF : 198.8/55

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.317 ± 0.104 χ^2/NDF : 74.6/28

Left Out: 0.193 ± 0.067 χ^2/NDF : 25.9/24

Right Out: -0.084 ± 0.098 χ^2/NDF : 93.3/32

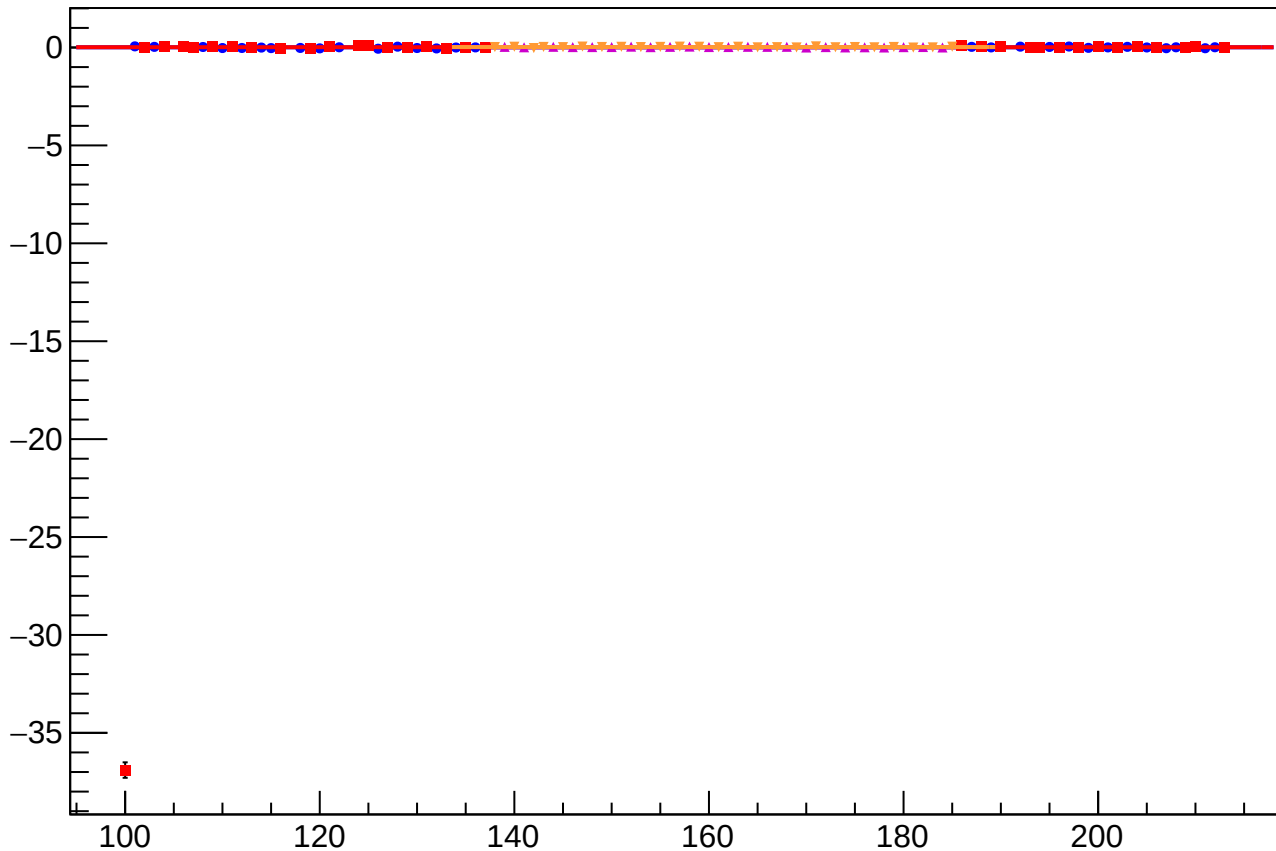
Left In: 0.215 ± 0.069 χ^2/NDF : 55.1/22

+ sign 0.044 ± 0.056 χ^2/NDF : 117.5/53

All: 0.079 ± 0.040 χ^2/NDF : 272.9/109

- sign 0.115 ± 0.056 χ^2/NDF : 154.7/55

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010 $\pm$ 0.005 χ^2 /NDF: 34.8/28

Left Out: 0.024 $\pm$ 0.003 χ^2 /NDF:30.2/24

Right Out: 0.015 $\pm$ 0.005 χ^2 /NDF: 8783.0/32

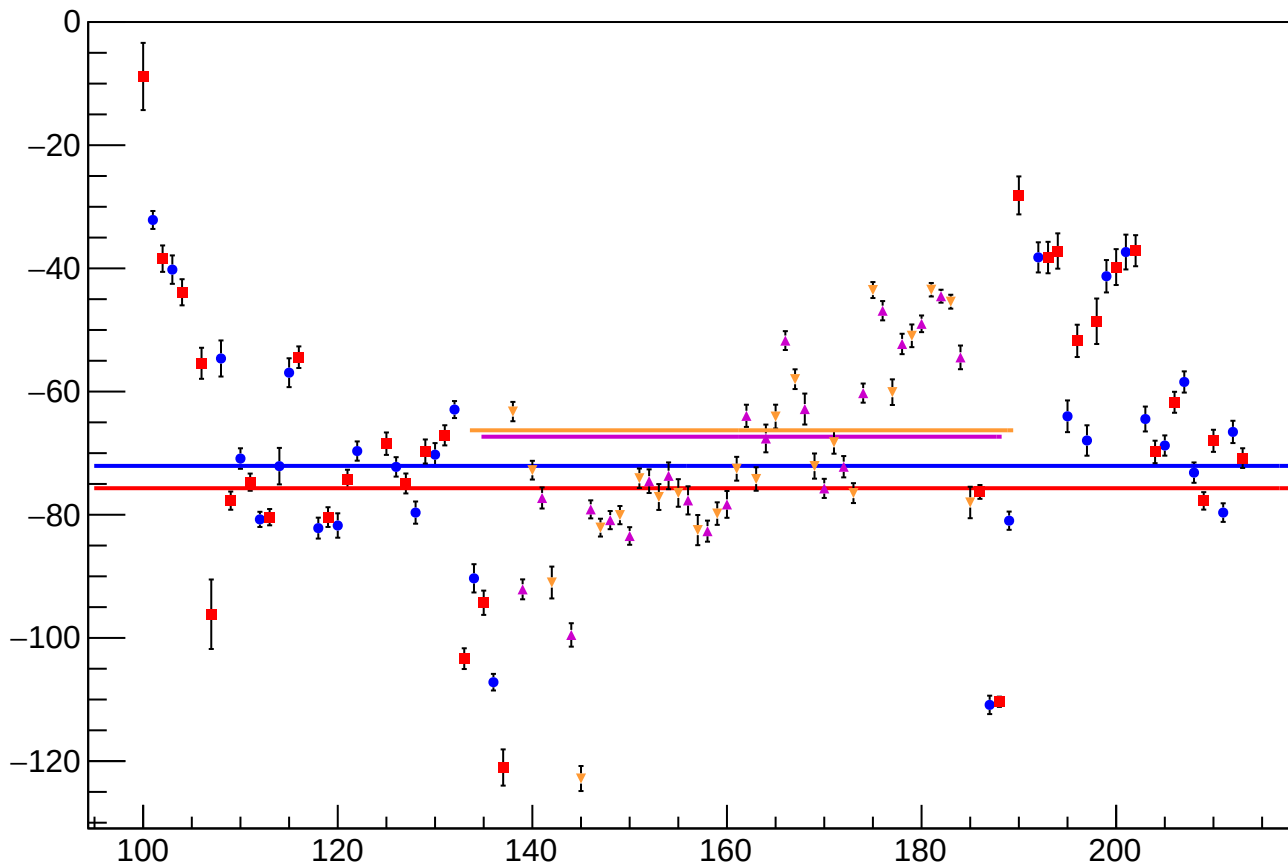
Left In: 0.024 $\pm$ 0.003 χ^2 /NDF:18.0/22

+ sign 0.020 $\pm$ 0.003 χ^2 /NDF: 71.1/53

All: 0.021 $\pm$ 0.002 χ^2 /NDF: 8875.1/109

- sign 0.021 $\pm$ 0.003 χ^2 /NDF: 8803.9/55

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.068 ± 0.332 $\chi^2/\text{NDF}: 3253.6/28$

Left Out: -66.289 ± 0.344 $\chi^2/\text{NDF}: 2550.4/23$

Right Out: -75.691 ± 0.311 $\chi^2/\text{NDF}: 4595.2/31$

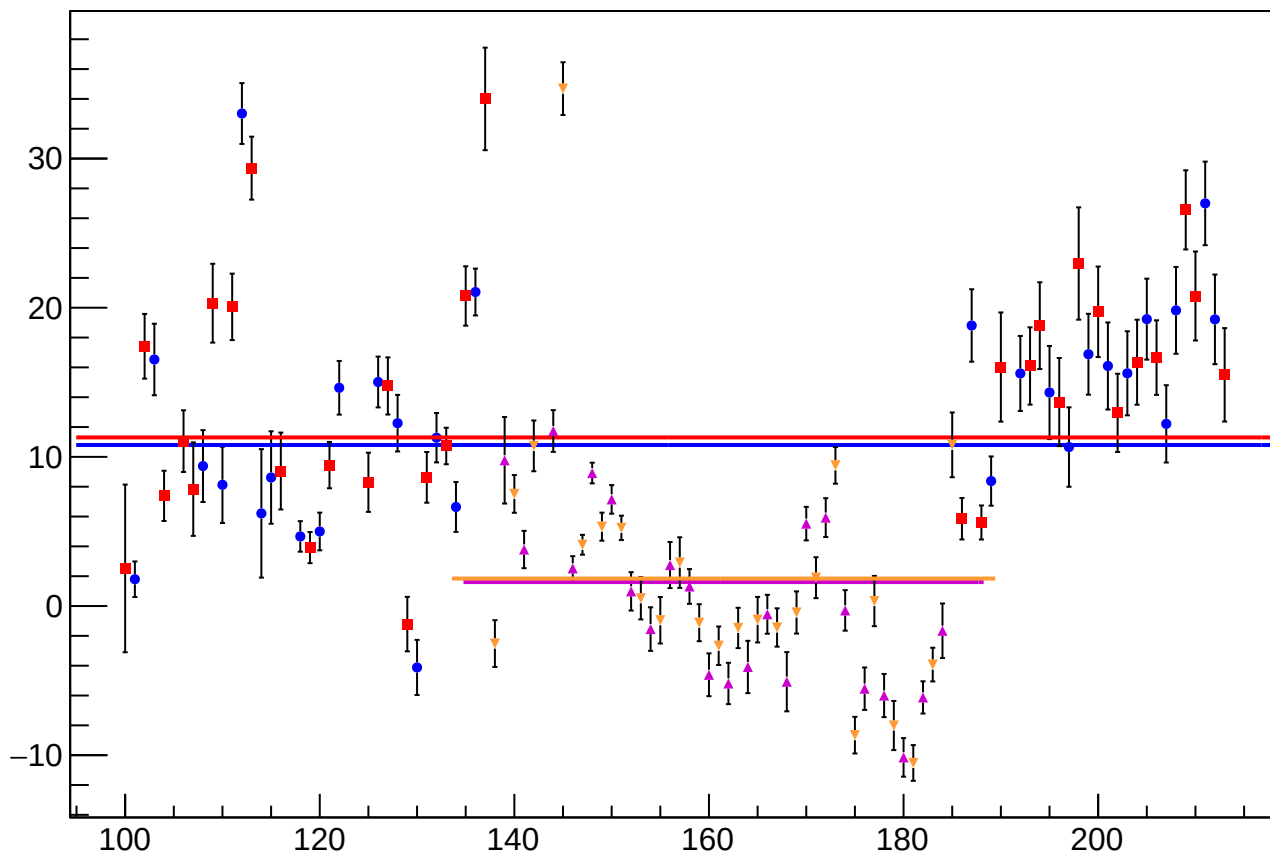
Left In: -67.331 ± 0.345 $\chi^2/\text{NDF}: 2102.6/22$

+ sign -69.280 ± 0.239 $\chi^2/\text{NDF}: 5950.2/52$

All: -70.660 ± 0.166 $\chi^2/\text{NDF}: 13036.9/107$

- sign -71.951 ± 0.231 $\chi^2/\text{NDF}: 7022.0/54$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.795 ± 0.365 $\chi^2/\text{NDF}: 457.0/28$

Left Out: 1.842 ± 0.254 $\chi^2/\text{NDF}: 781.5/23$

Right Out: 11.304 ± 0.356 $\chi^2/\text{NDF}: 414.2/31$

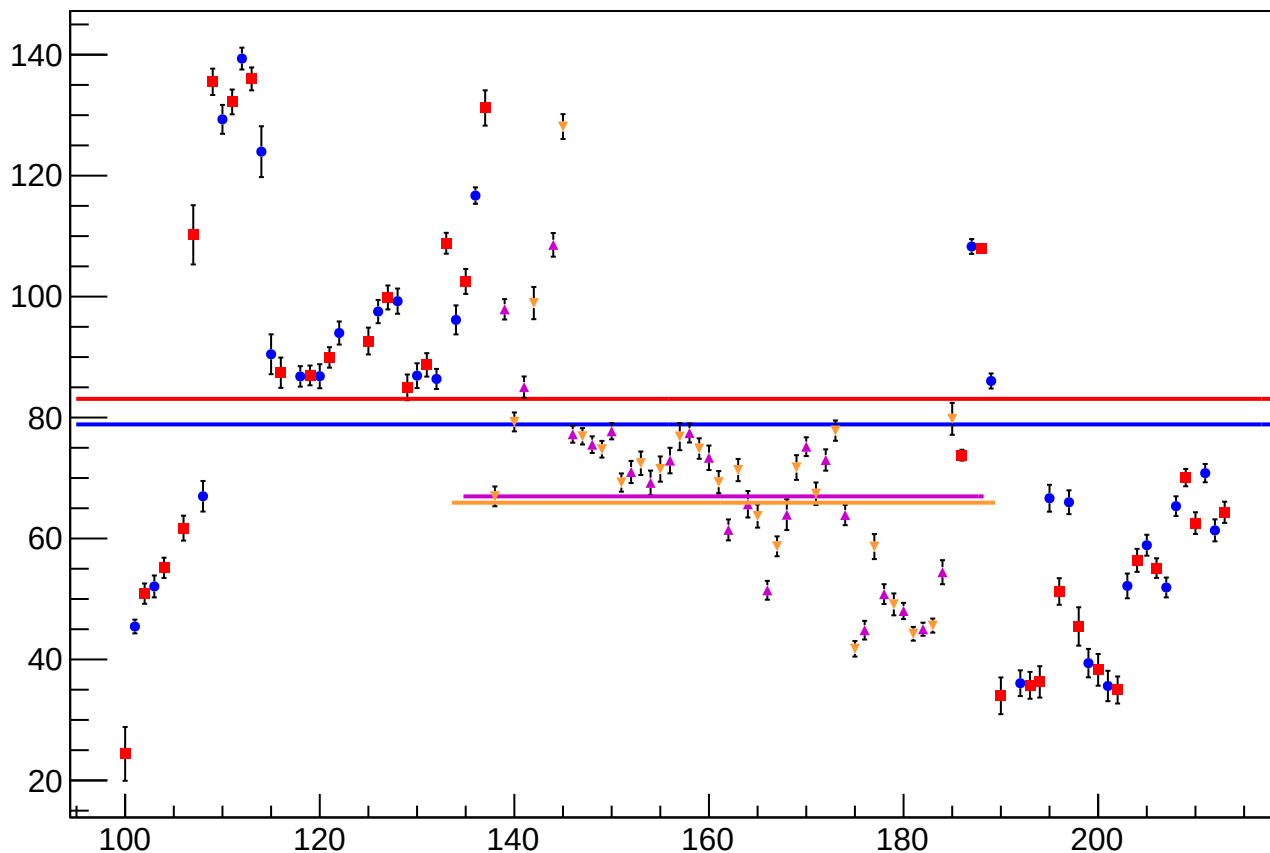
Left In: 1.605 ± 0.258 $\chi^2/\text{NDF}: 496.6/22$

+ sign 4.767 ± 0.209 $\chi^2/\text{NDF}: 1642.9/52$

All: 4.856 ± 0.148 $\chi^2/\text{NDF}: 3039.4/107$

- sign 4.946 ± 0.209 $\chi^2/\text{NDF}: 1396.1/54$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 78.866+/-0.334 χ^2 /NDF: 6378.6/28

Left Out: 65.923+/-0.341 χ^2 /NDF:2555.6/23

Right Out: 83.091+/-0.306 χ^2 /NDF: 8073.2/31

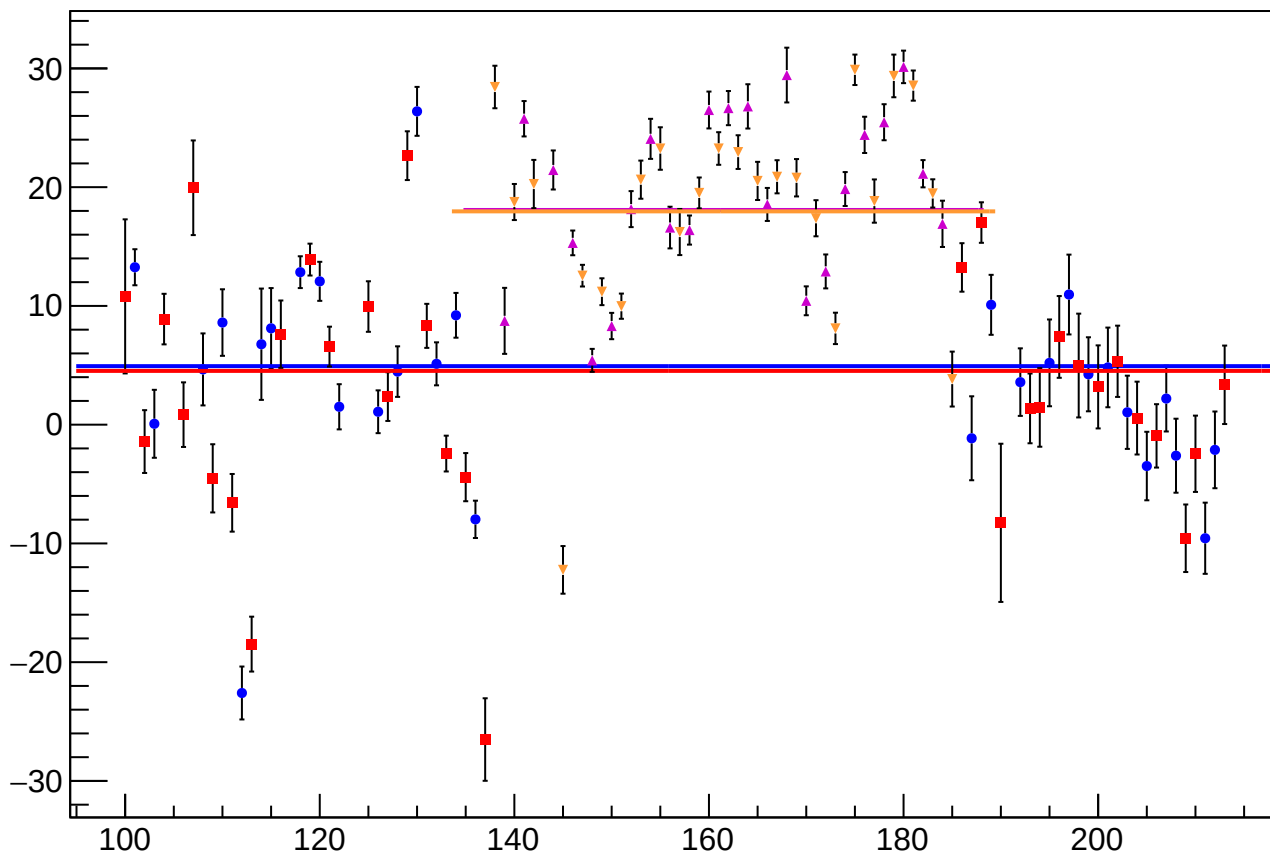
Left In: 66.964+/-0.341 χ^2 /NDF:2221.3/22

+ sign 72.512+/-0.239 χ^2 /NDF: 9669.8/52

All: 74.286+/-0.165 χ^2 /NDF: 21308.2/107

- sign 75.903+/-0.228 χ^2 /NDF: 11532.7/54

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 4.928 $\pm$ 0.428 χ^2/NDF : 486.8/28

Left Out: 17.963 $\pm$ 0.292 χ^2/NDF : 732.1/23

Right Out: 4.529 $\pm$ 0.424 χ^2/NDF : 532.4/31

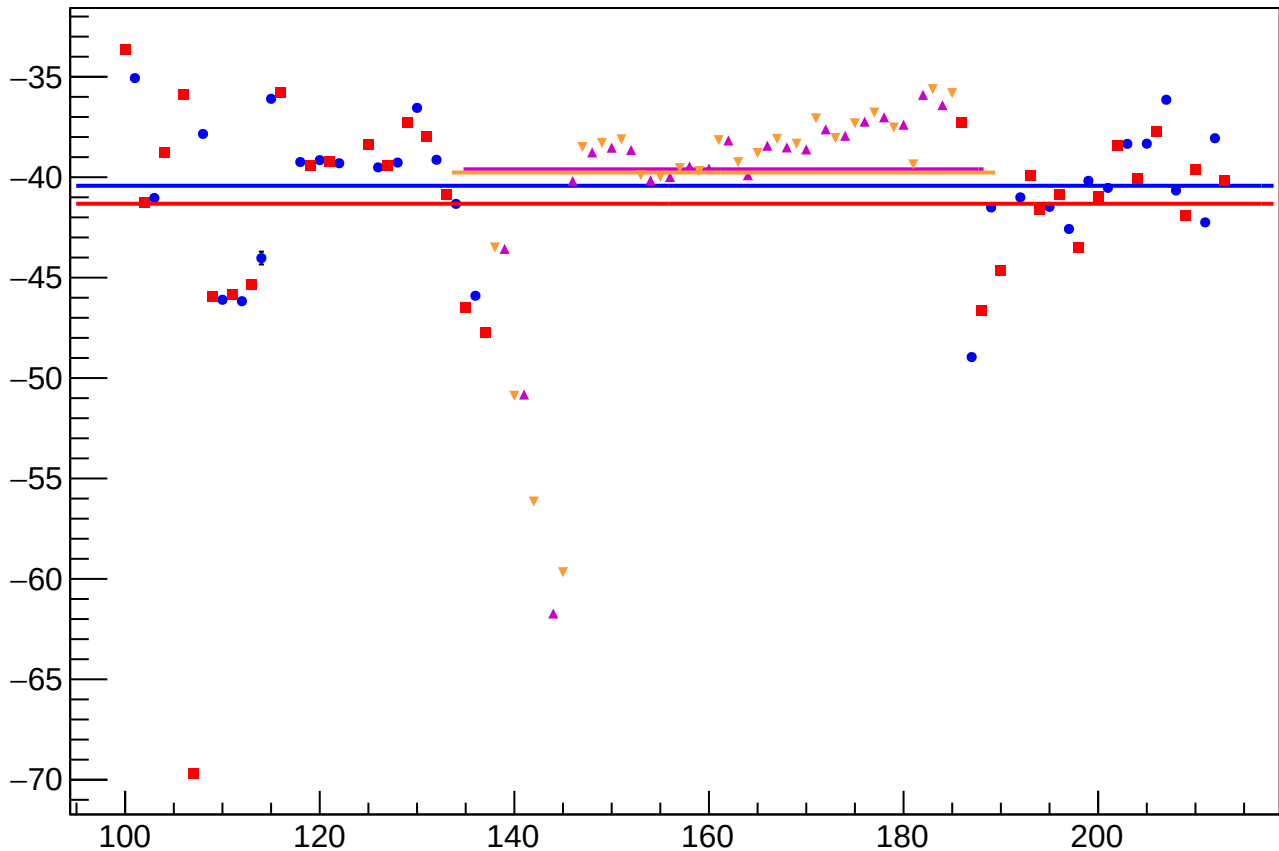
Left In: 18.079 $\pm$ 0.295 χ^2/NDF : 605.0/22

+ sign 13.819 $\pm$ 0.241 χ^2/NDF : 1852.6/52

All: 13.744 $\pm$ 0.171 χ^2/NDF : 3677.9/107

- sign 13.668 $\pm$ 0.242 χ^2/NDF : 1825.0/54

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.427 ± 0.021 χ^2/NDF : 23290.8/28

Left Out: -39.765 ± 0.013 χ^2/NDF : 129895.4/23

Right Out: -41.321 ± 0.021 χ^2/NDF : 44827.6/31

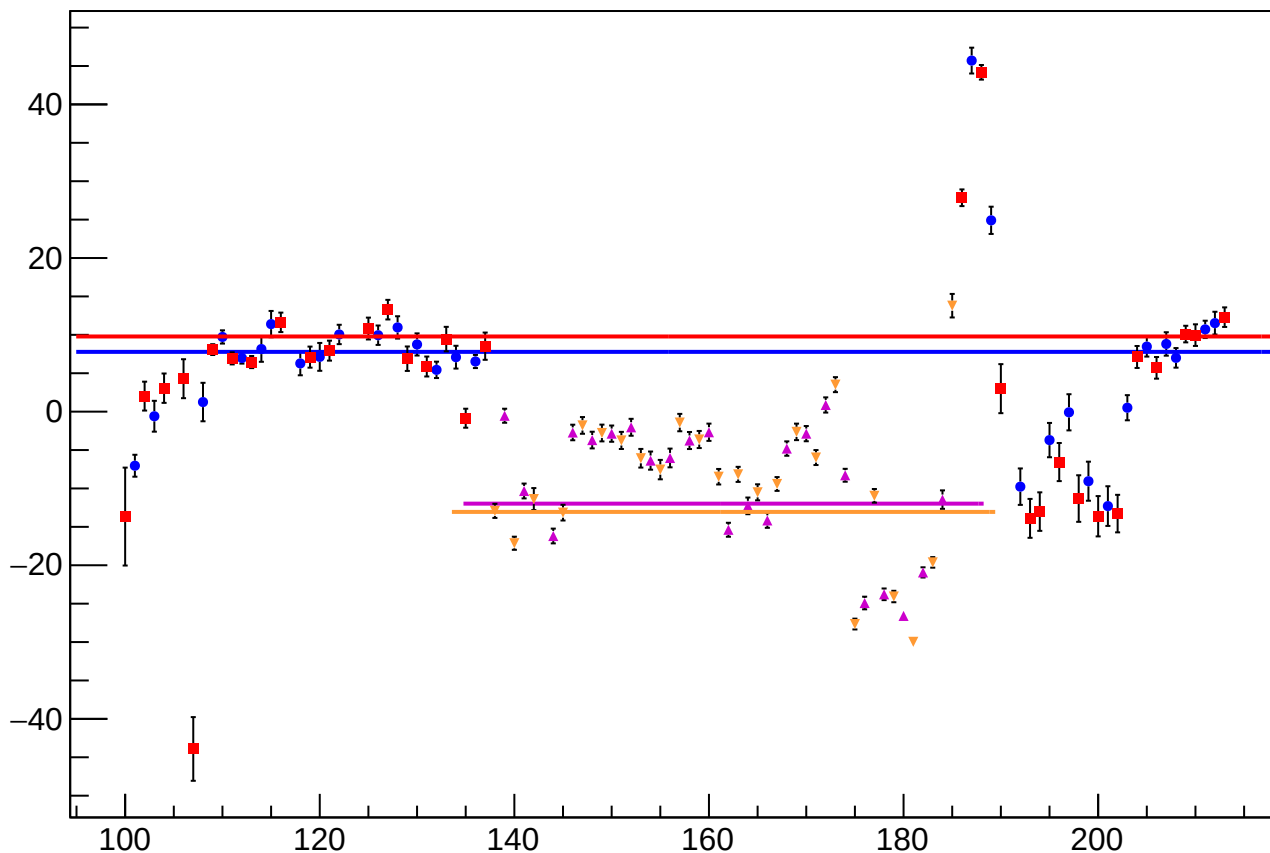
Left In: -39.606 ± 0.013 χ^2/NDF : 106639.2/22

+ sign -39.957 ± 0.011 χ^2/NDF : 153885.7/52

All: -40.029 ± 0.008 χ^2/NDF : 310171.5/107

- sign -40.100 ± 0.011 χ^2/NDF : 156205.4/54

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.782 ± 0.256 $\chi^2/\text{NDF}: 994.9/28$

Left Out: -13.054 ± 0.193 $\chi^2/\text{NDF}: 2868.1/23$

Right Out: 9.786 ± 0.241 $\chi^2/\text{NDF}: 2391.3/31$

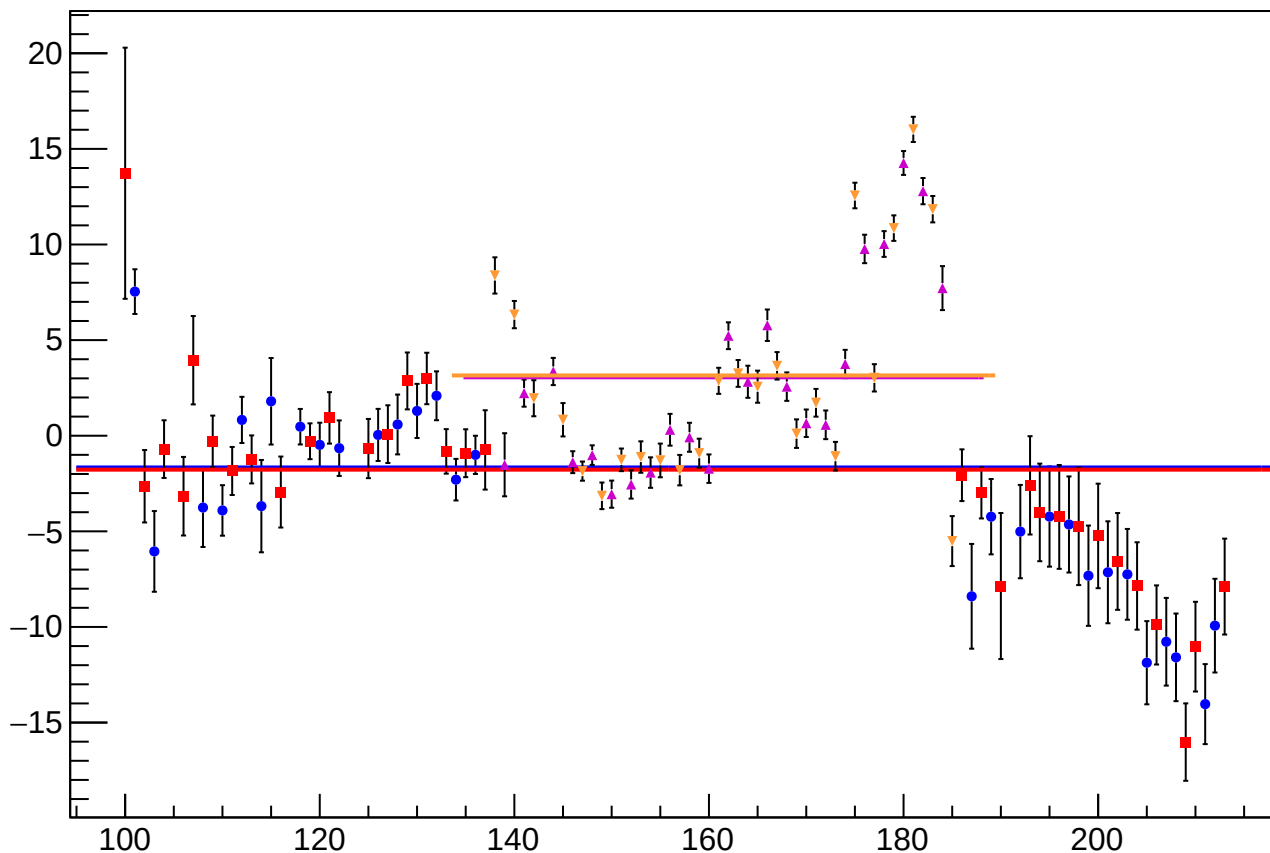
Left In: -11.978 ± 0.195 $\chi^2/\text{NDF}: 2176.6/22$

+ sign -5.520 ± 0.154 $\chi^2/\text{NDF}: 8087.4/52$

All: -4.423 ± 0.108 $\chi^2/\text{NDF}: 17665.5/107$

- sign -3.357 ± 0.152 $\chi^2/\text{NDF}: 9478.1/54$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.660 ± 0.296 χ^2/NDF : 231.0/28

Left Out: 3.153 ± 0.149 χ^2/NDF : 1385.1/23

Right Out: -1.775 ± 0.295 χ^2/NDF : 151.7/31

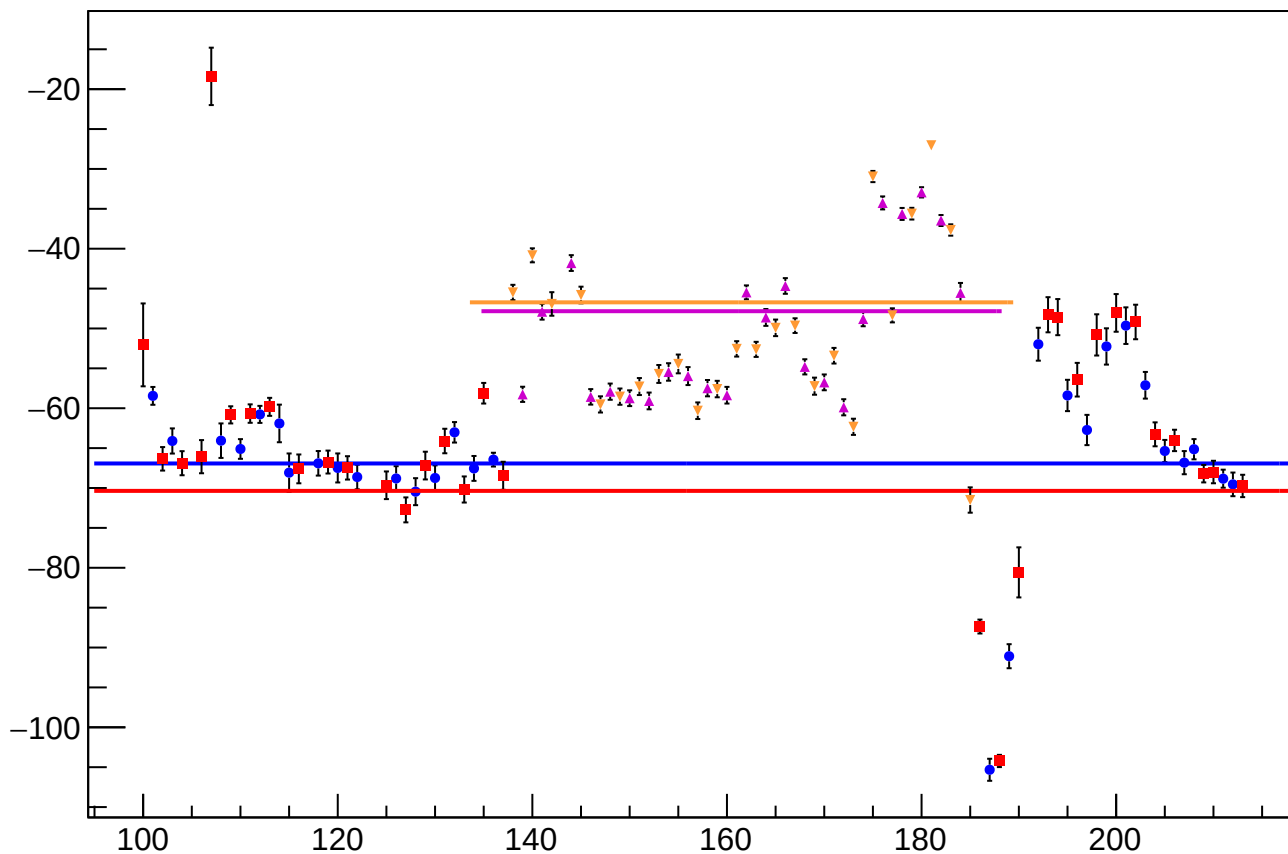
Left In: 3.055 ± 0.152 χ^2/NDF : 1145.0/22

+ sign 2.179 ± 0.133 χ^2/NDF : 1827.0/52

All: 2.113 ± 0.095 χ^2/NDF : 3335.4/107

- sign 2.044 ± 0.135 χ^2/NDF : 1508.0/54

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.924 ± 0.274 $\chi^2/\text{NDF}: 1368.7/28$

Left Out: -46.724 ± 0.192 $\chi^2/\text{NDF}: 3446.1/23$

Right Out: -70.361 ± 0.260 $\chi^2/\text{NDF}: 3475.0/31$

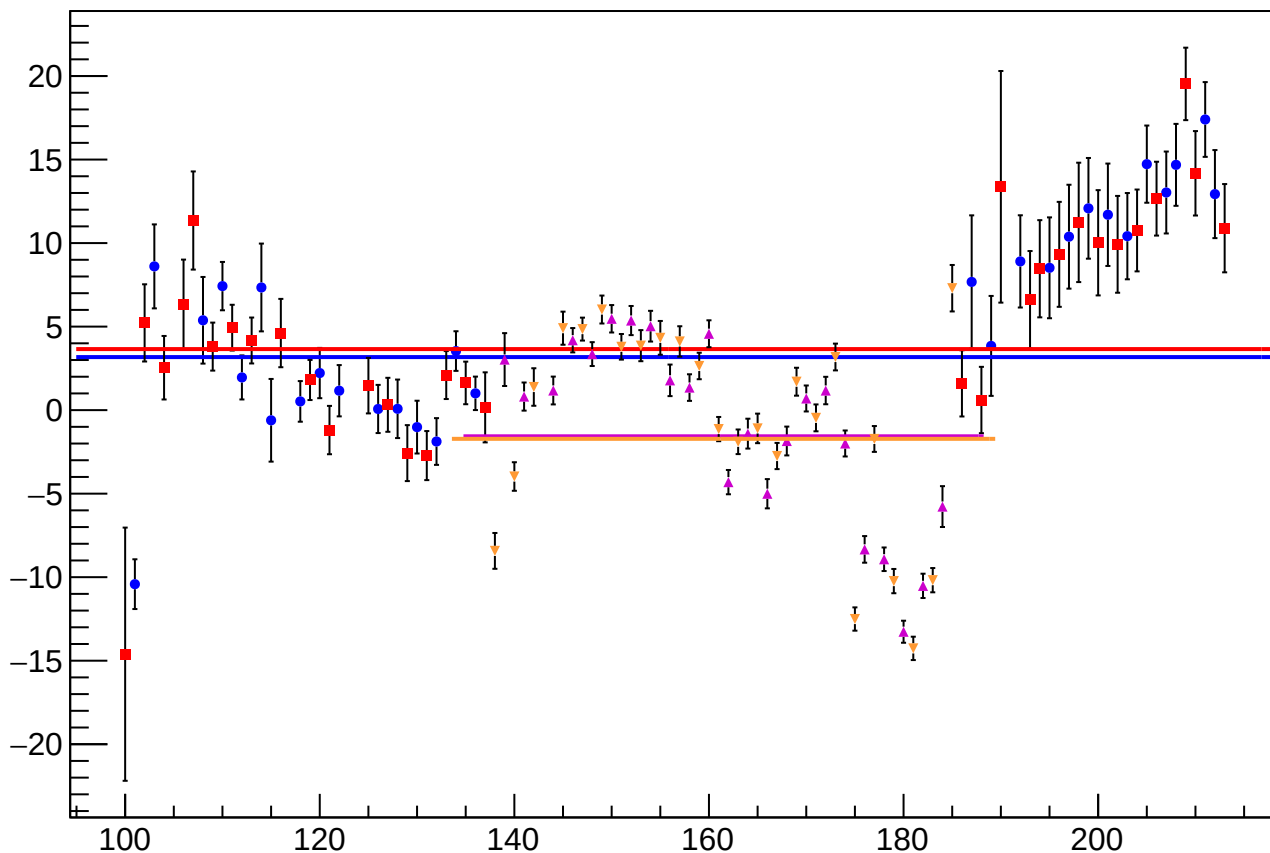
Left In: -47.835 ± 0.194 $\chi^2/\text{NDF}: 2557.6/22$

+ sign -53.353 ± 0.157 $\chi^2/\text{NDF}: 8464.7/52$

All: -54.639 ± 0.110 $\chi^2/\text{NDF}: 19463.2/107$

- sign -55.898 ± 0.155 $\chi^2/\text{NDF}: 10865.7/54$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.175 ± 0.336 χ^2/NDF : 298.3/28

Left Out: -1.718 ± 0.168 χ^2/NDF : 1406.1/23

Right Out: 3.655 ± 0.340 χ^2/NDF : 203.5/31

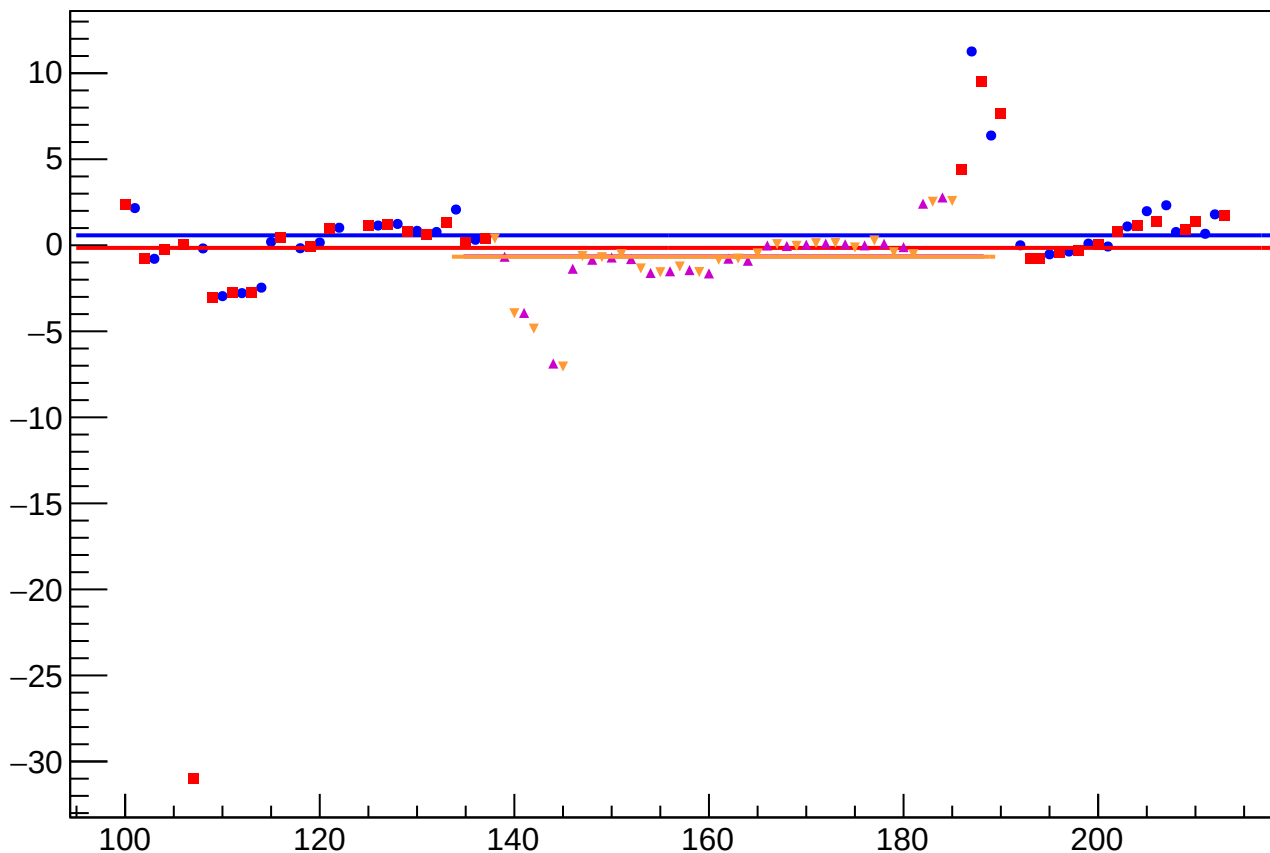
Left In: -1.567 ± 0.171 χ^2/NDF : 1117.7/22

+ sign -0.743 ± 0.150 χ^2/NDF : 1873.8/52

All: -0.632 ± 0.107 χ^2/NDF : 3384.3/107

- sign -0.518 ± 0.153 χ^2/NDF : 1509.3/54

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.577 ± 0.017 χ^2/NDF : 10392.8/28

Left Out: -0.666 ± 0.008 χ^2/NDF : 55276.7/23

Right Out: -0.152 ± 0.017 χ^2/NDF : 61251.2/31

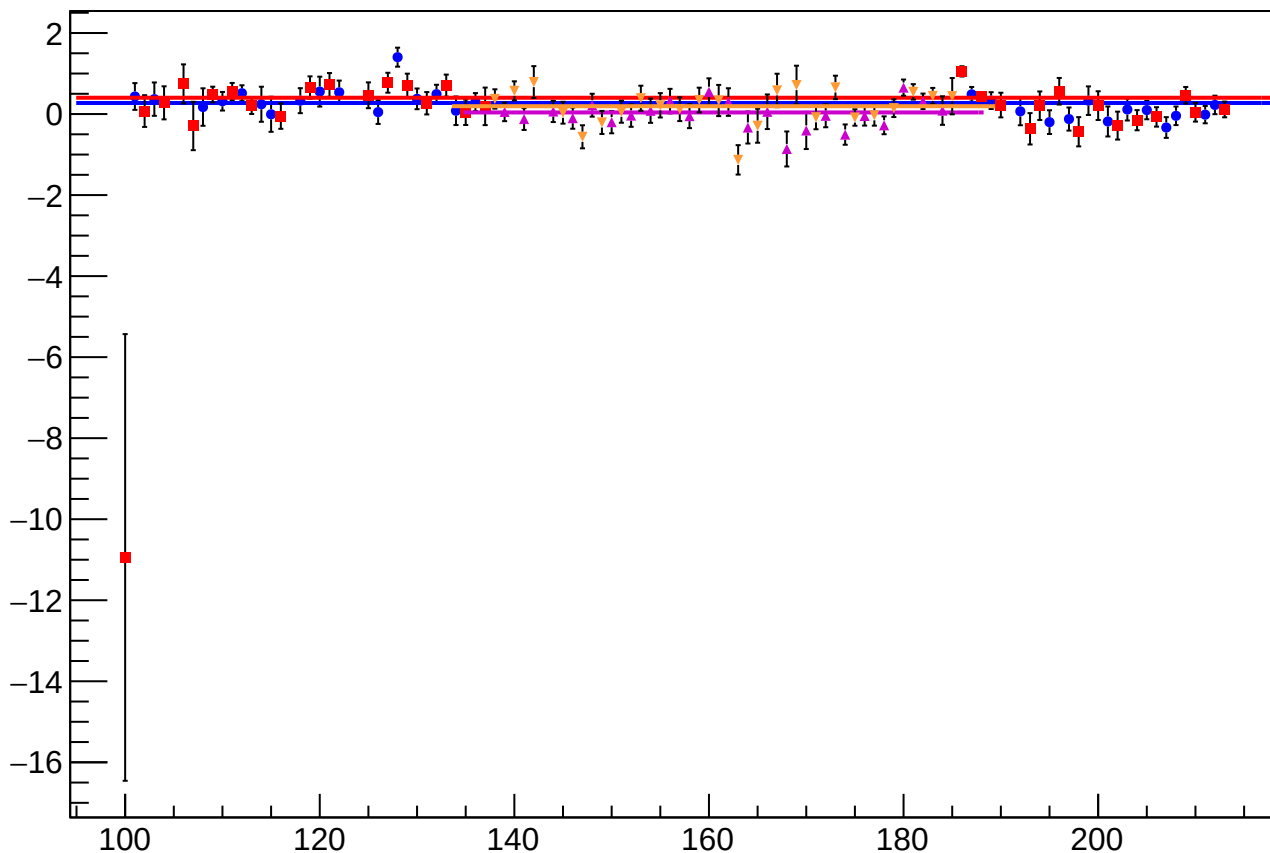
Left In: -0.646 ± 0.008 χ^2/NDF : 45569.5/22

+ sign -0.460 ± 0.007 χ^2/NDF : 70193.0/52

All: -0.513 ± 0.005 χ^2/NDF : 177822.2/107

- sign -0.567 ± 0.007 χ^2/NDF : 107510.3/54

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.273 ± 0.050 $\chi^2/\text{NDF}: 47.2/28$

Left Out: 0.194 ± 0.057 $\chi^2/\text{NDF}: 44.2/23$

Right Out: 0.402 ± 0.044 $\chi^2/\text{NDF}: 73.5/31$

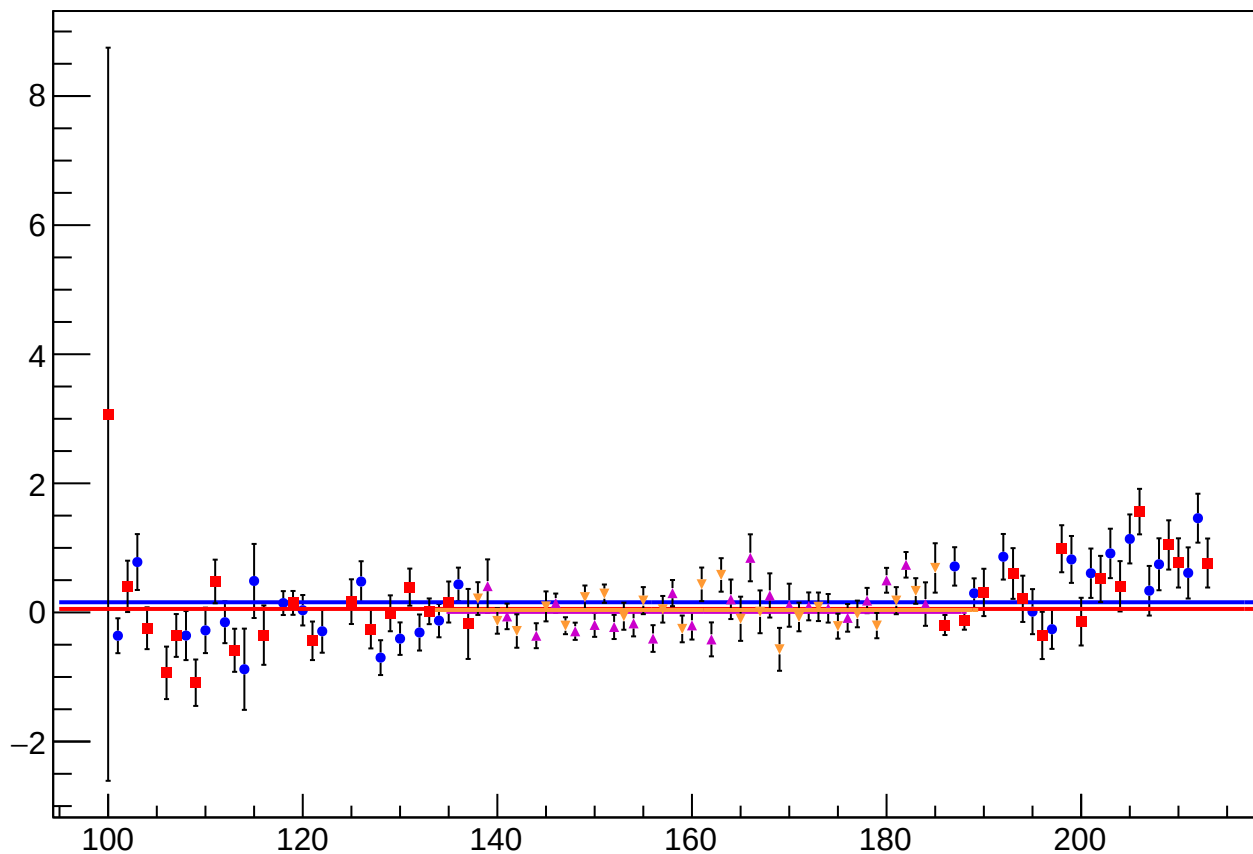
Left In: 0.039 ± 0.058 $\chi^2/\text{NDF}: 30.5/22$

+ sign 0.239 ± 0.037 $\chi^2/\text{NDF}: 92.5/52$

All: 0.255 ± 0.025 $\chi^2/\text{NDF}: 222.1/107$

- sign 0.270 ± 0.035 $\chi^2/\text{NDF}: 129.3/54$

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.158 ± 0.058 $\chi^2/\text{NDF}: 77.2/28$

Left Out: 0.038 ± 0.043 $\chi^2/\text{NDF}: 32.8/23$

Right Out: 0.054 ± 0.053 $\chi^2/\text{NDF}: 80.7/31$

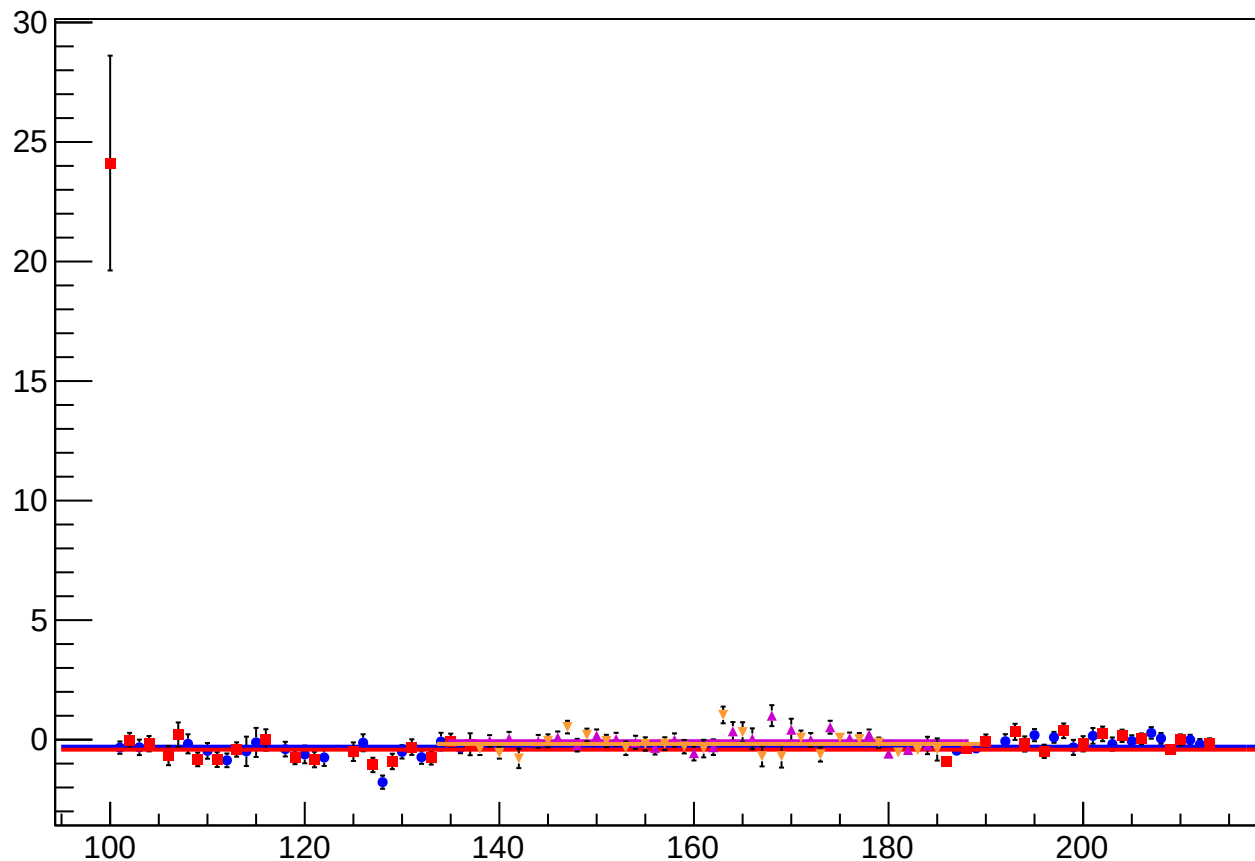
Left In: 0.008 ± 0.044 $\chi^2/\text{NDF}: 51.4/22$

+ sign 0.081 ± 0.035 $\chi^2/\text{NDF}: 112.7/52$

All: 0.054 ± 0.024 $\chi^2/\text{NDF}: 246.4/107$

- sign 0.027 ± 0.034 $\chi^2/\text{NDF}: 132.5/54$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.294 ± 0.050 χ^2/NDF : 60.7/28

Left Out: -0.178 ± 0.056 χ^2/NDF : 42.1/23

Right Out: -0.418 ± 0.042 χ^2/NDF : 105.7/31

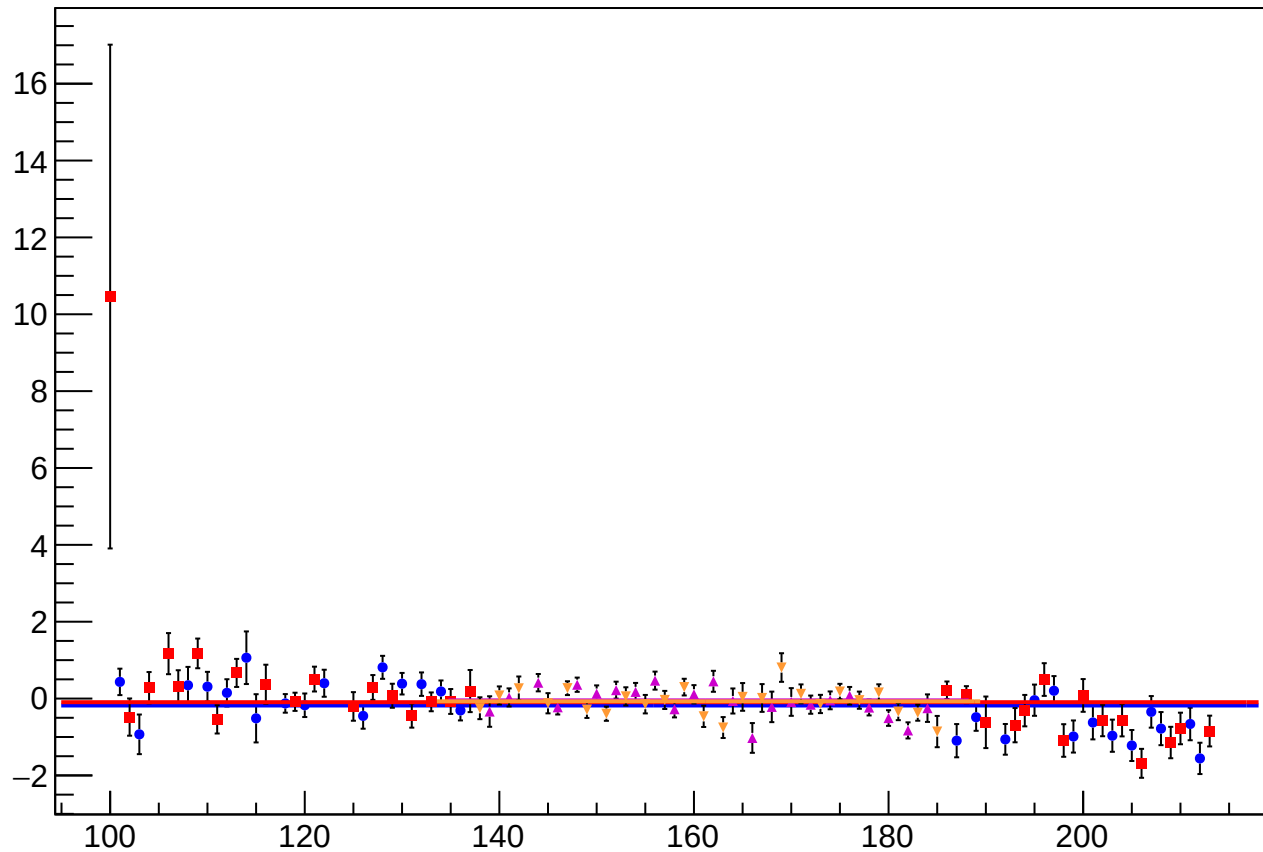
Left In: -0.066 ± 0.057 χ^2/NDF : 31.4/22

+ sign -0.243 ± 0.037 χ^2/NDF : 105.3/52

All: -0.271 ± 0.025 χ^2/NDF : 268.2/107

- sign -0.294 ± 0.034 χ^2/NDF : 161.9/54

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.180 ± 0.067 χ^2/NDF : 77.2/28

Left Out: -0.072 ± 0.049 χ^2/NDF : 37.7/23

Right Out: -0.094 ± 0.064 χ^2/NDF : 81.2/31

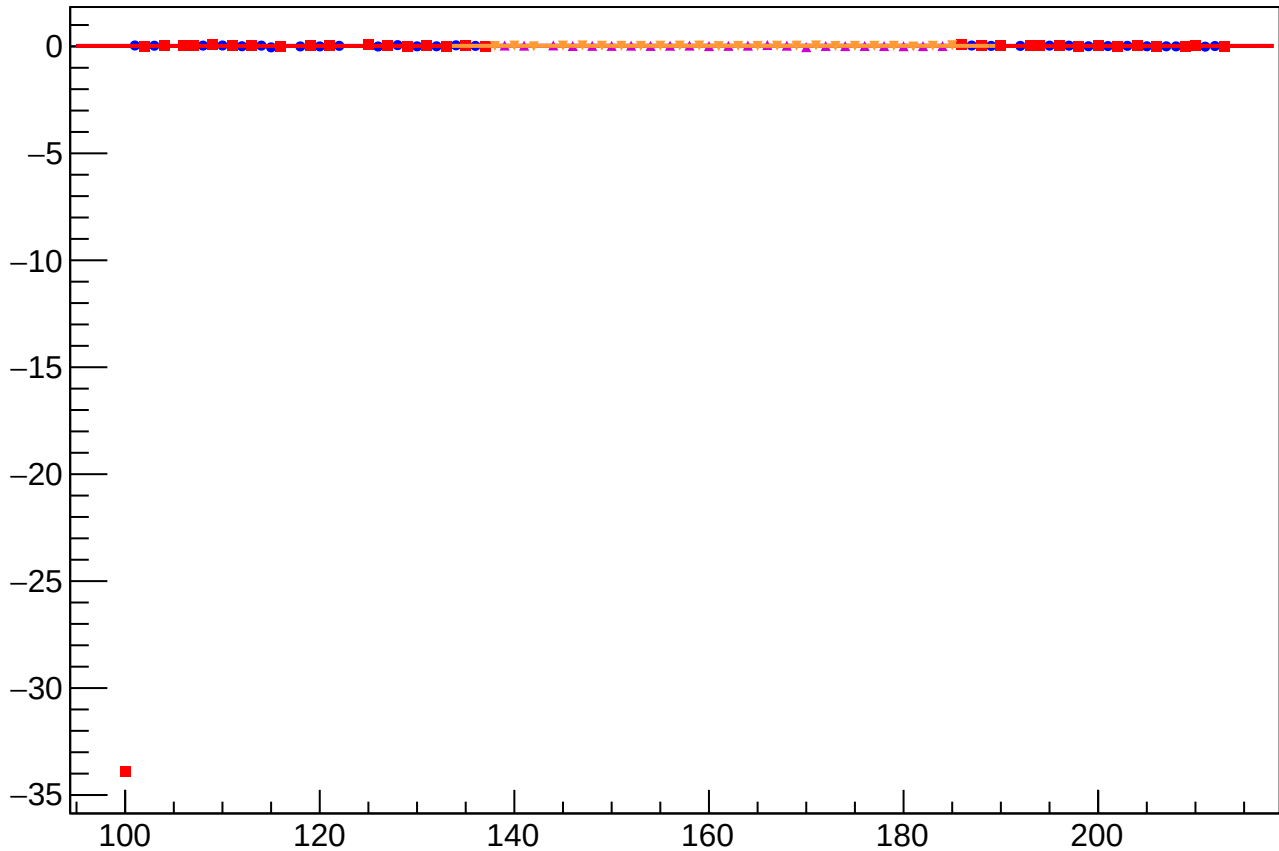
Left In: -0.047 ± 0.050 χ^2/NDF : 50.5/22

+ sign -0.110 ± 0.040 χ^2/NDF : 116.6/52

All: -0.087 ± 0.028 χ^2/NDF : 249.2/107

- sign -0.065 ± 0.039 χ^2/NDF : 132.0/54

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.022 $\pm$ 0.003 χ^2 /NDF: 26.9/28

Left Out: 0.026 $\pm$ 0.002 χ^2 /NDF:31.4/23

Right Out: 0.022 $\pm$ 0.003 χ^2 /NDF: 22317.6/31

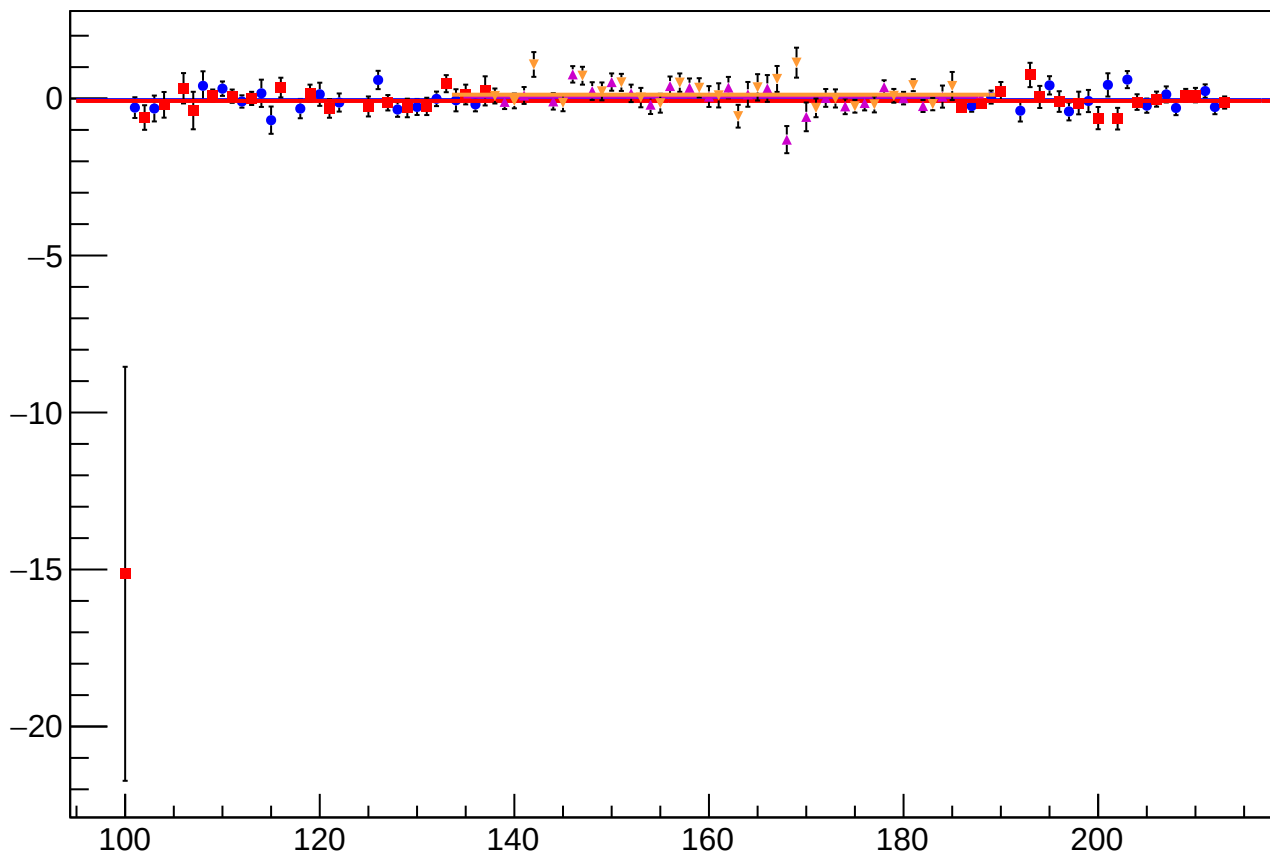
Left In: 0.026 $\pm$ 0.002 χ^2 /NDF:39.5/22

+ sign 0.025 $\pm$ 0.002 χ^2 /NDF: 59.3/52

All: 0.025 $\pm$ 0.001 χ^2 /NDF: 22418.1/107

- sign 0.025 $\pm$ 0.002 χ^2 /NDF: 22358.7/54

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.051 ± 0.050 χ^2/NDF : 34.6/28

Left Out: 0.122 ± 0.057 χ^2/NDF : 39.6/23

Right Out: -0.078 ± 0.044 χ^2/NDF : 35.2/31

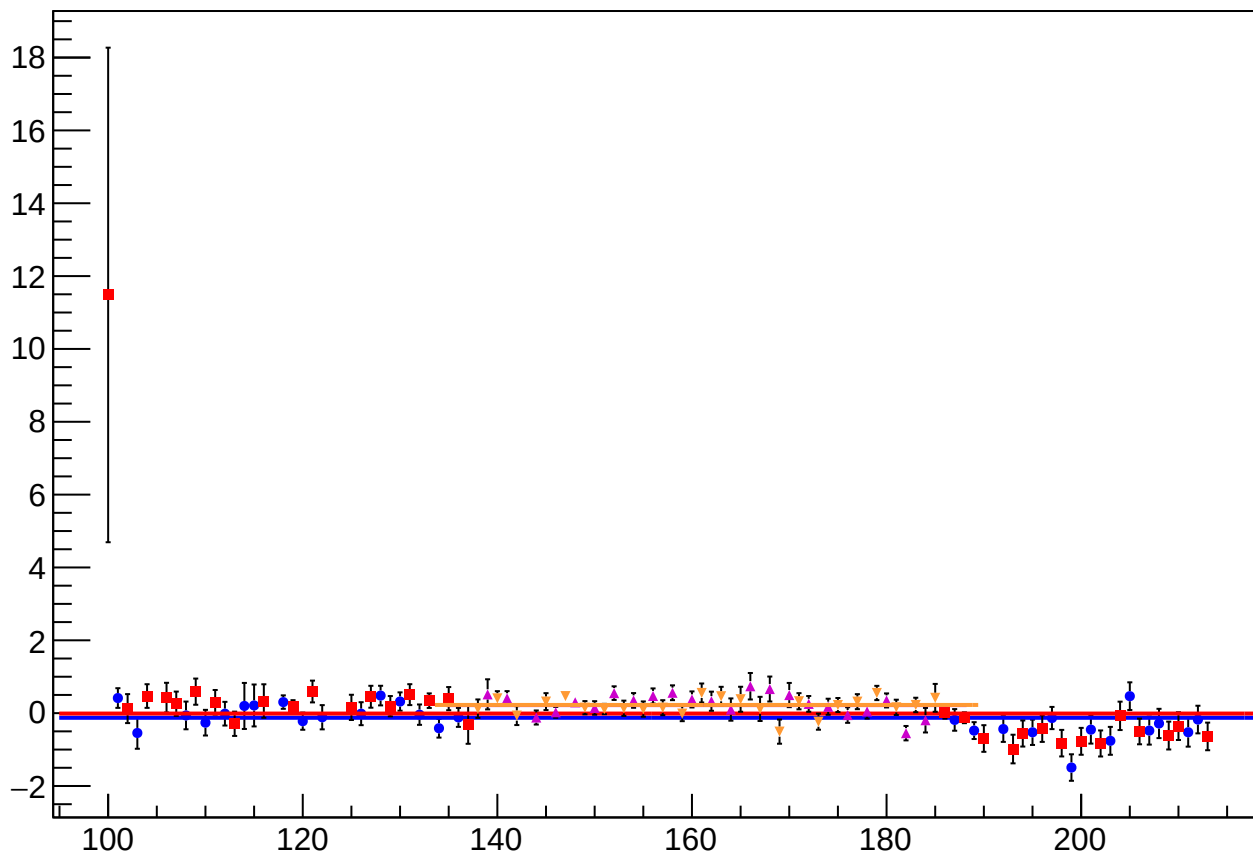
Left In: 0.063 ± 0.058 χ^2/NDF : 34.2/22

+ sign 0.024 ± 0.037 χ^2/NDF : 79.5/52

All: -0.003 ± 0.025 χ^2/NDF : 153.7/107

- sign -0.026 ± 0.035 χ^2/NDF : 73.2/54

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.127 ± 0.058 χ^2/NDF : 47.6/28

Left Out: 0.225 ± 0.043 χ^2/NDF : 24.1/23

Right Out: -0.011 ± 0.053 χ^2/NDF : 64.8/31

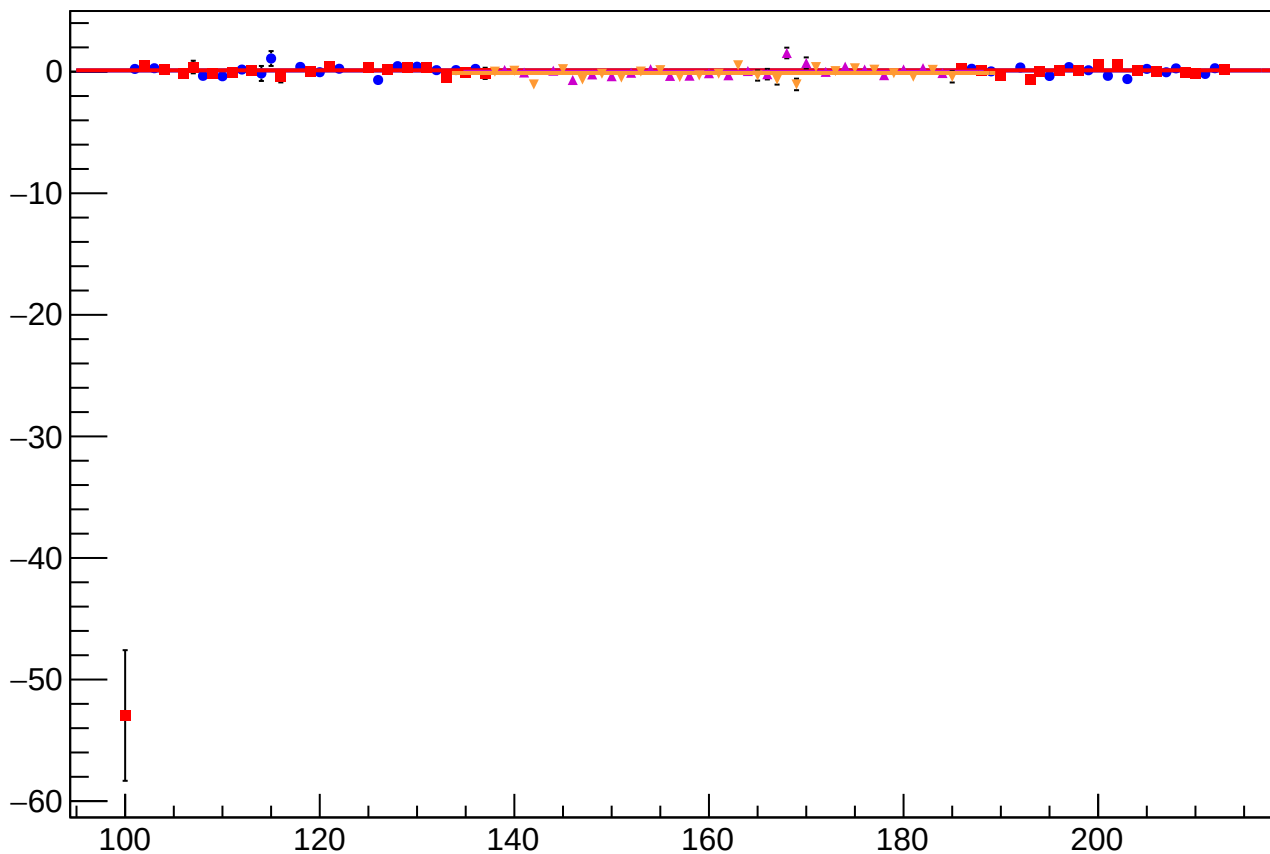
Left In: 0.221 ± 0.044 χ^2/NDF : 39.3/22

+ sign 0.099 ± 0.035 χ^2/NDF : 95.5/52

All: 0.112 ± 0.024 χ^2/NDF : 211.4/107

- sign 0.125 ± 0.034 χ^2/NDF : 115.6/54

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.102 ± 0.050 χ^2/NDF : 34.5/28

Left Out: -0.105 ± 0.056 χ^2/NDF : 37.6/23

Right Out: 0.115 ± 0.042 χ^2/NDF : 124.5/31

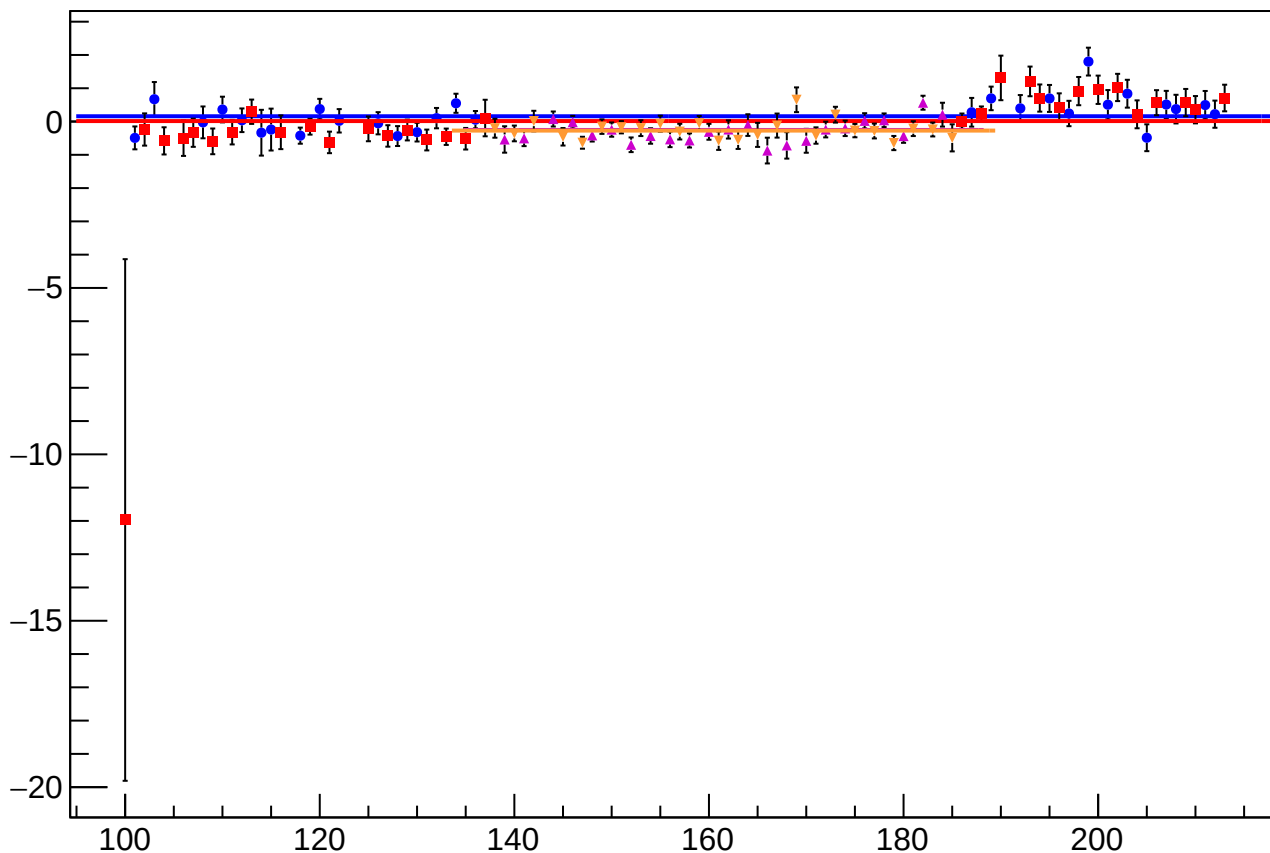
Left In: -0.009 ± 0.057 χ^2/NDF : 38.0/22

+ sign 0.012 ± 0.037 χ^2/NDF : 79.8/52

All: 0.044 ± 0.025 χ^2/NDF : 246.7/107

- sign 0.071 ± 0.034 χ^2/NDF : 165.5/54

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.158 ± 0.067 χ^2/NDF : 49.2/28

Left Out: -0.272 ± 0.049 χ^2/NDF : 24.8/23

Right Out: 0.014 ± 0.064 χ^2/NDF : 66.9/31

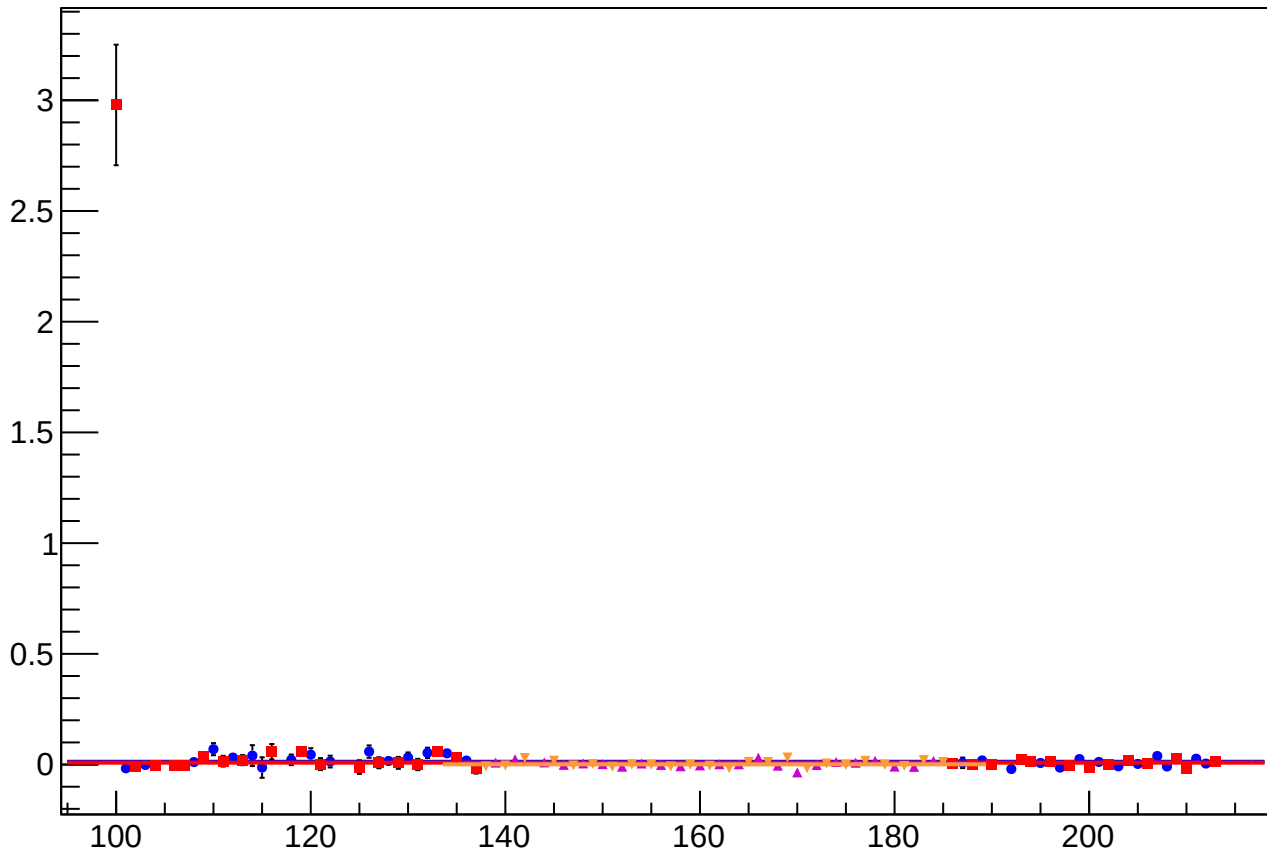
Left In: -0.254 ± 0.050 χ^2/NDF : 40.6/22

+ sign -0.122 ± 0.040 χ^2/NDF : 100.6/52

All: -0.137 ± 0.028 χ^2/NDF : 219.2/107

- sign -0.152 ± 0.039 χ^2/NDF : 118.3/54

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013 ± 0.003 χ^2/NDF : 45.0/28

Left Out: 0.001 ± 0.002 χ^2/NDF : 26.7/23

Right Out: 0.009 ± 0.003 χ^2/NDF : 152.4/31

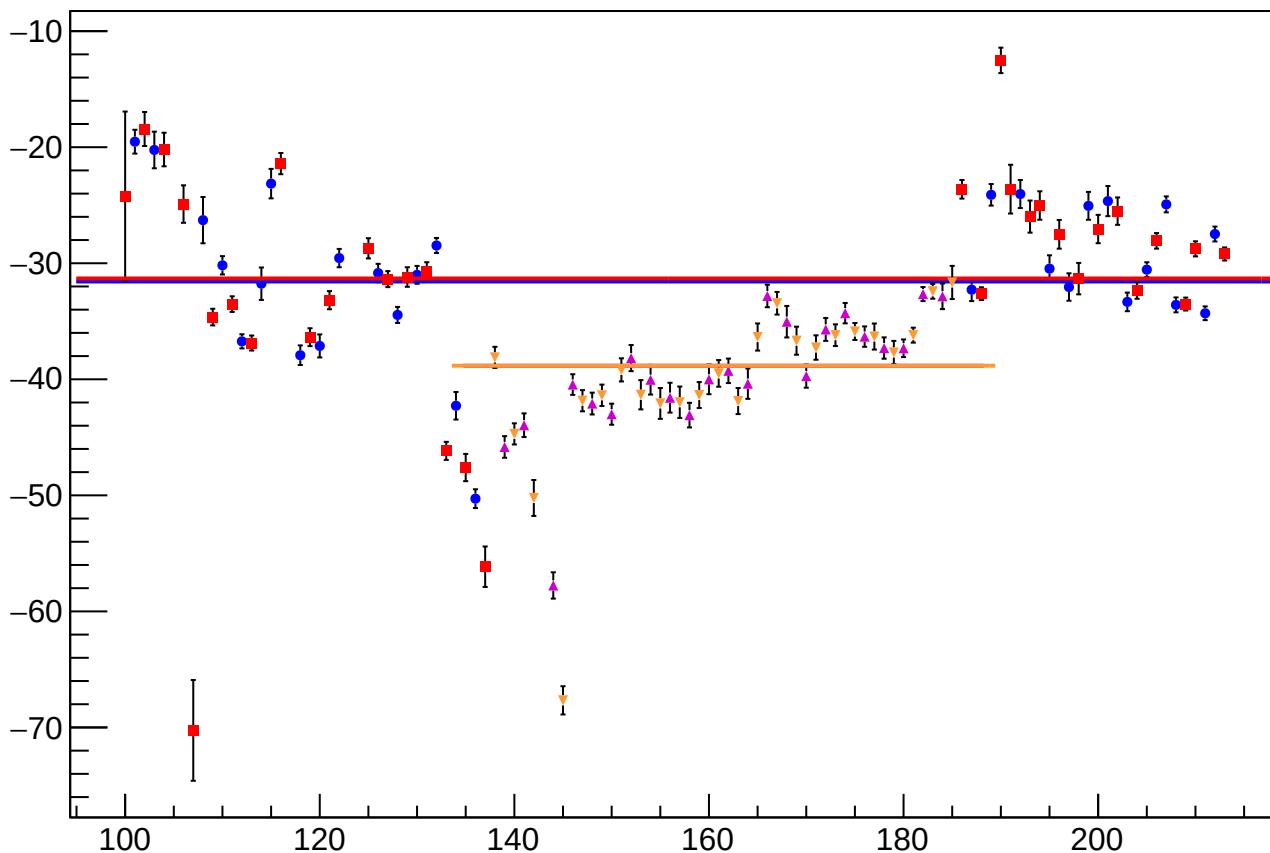
Left In: 0.002 ± 0.002 χ^2/NDF : 24.6/22

+ sign 0.005 ± 0.002 χ^2/NDF : 80.6/52

All: 0.005 ± 0.001 χ^2/NDF : 260.6/107

- sign 0.005 ± 0.002 χ^2/NDF : 179.9/54

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.570 ± 0.157 $\chi^2/\text{NDF}: 1401.6/28$

Left Out: -38.829 ± 0.202 $\chi^2/\text{NDF}: 917.0/23$

Right Out: -31.315 ± 0.150 $\chi^2/\text{NDF}: 1838.1/32$

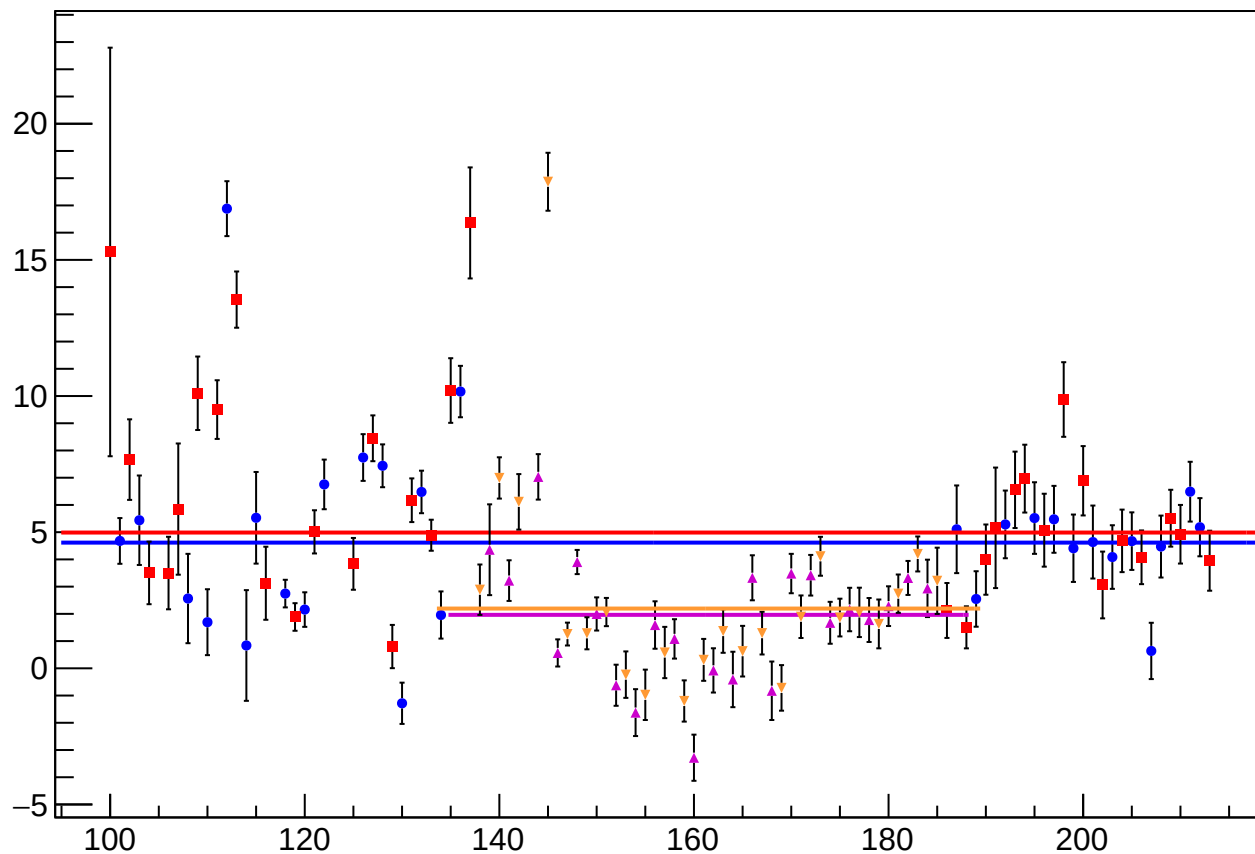
Left In: -38.837 ± 0.203 $\chi^2/\text{NDF}: 653.4/22$

+ sign -34.305 ± 0.124 $\chi^2/\text{NDF}: 3123.0/52$

All: -34.134 ± 0.087 $\chi^2/\text{NDF}: 6502.8/108$

- sign -33.972 ± 0.121 $\chi^2/\text{NDF}: 3376.1/55$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.617 ± 0.182 χ^2/NDF : 353.6/28

Left Out: 2.195 ± 0.152 χ^2/NDF : 365.1/23

Right Out: 4.987 ± 0.178 χ^2/NDF : 299.2/32

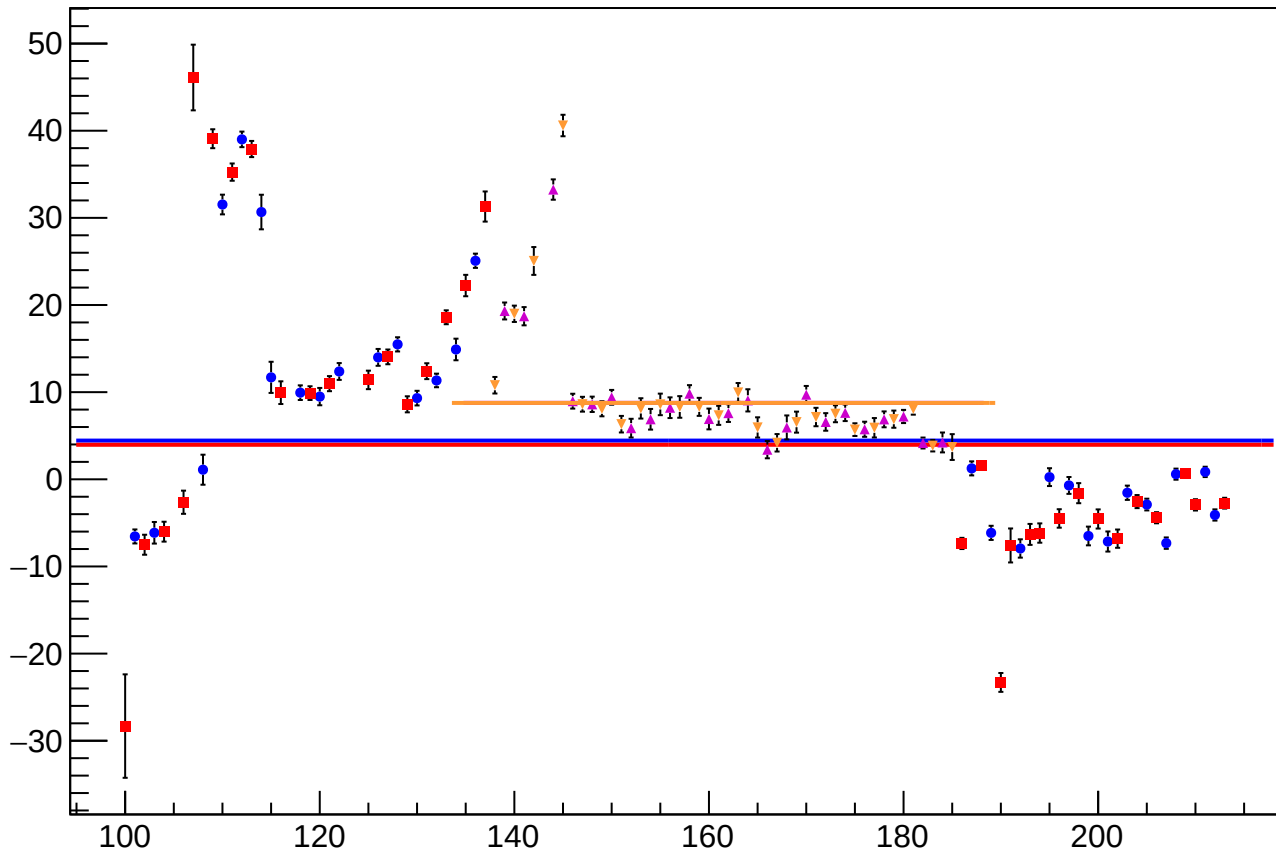
Left In: 1.964 ± 0.155 χ^2/NDF : 173.2/22

+ sign 3.193 ± 0.117 χ^2/NDF : 823.1/52

All: 3.228 ± 0.083 χ^2/NDF : 1459.5/108

- sign 3.262 ± 0.117 χ^2/NDF : 636.2/55

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 4.443 $\pm$ 0.163 χ^2 /NDF: 5087.5/28

Left Out: 8.766 $\pm$ 0.200 χ^2 /NDF:1035.4/23

Right Out: 3.962 $\pm$ 0.155 χ^2 /NDF: 6923.5/32

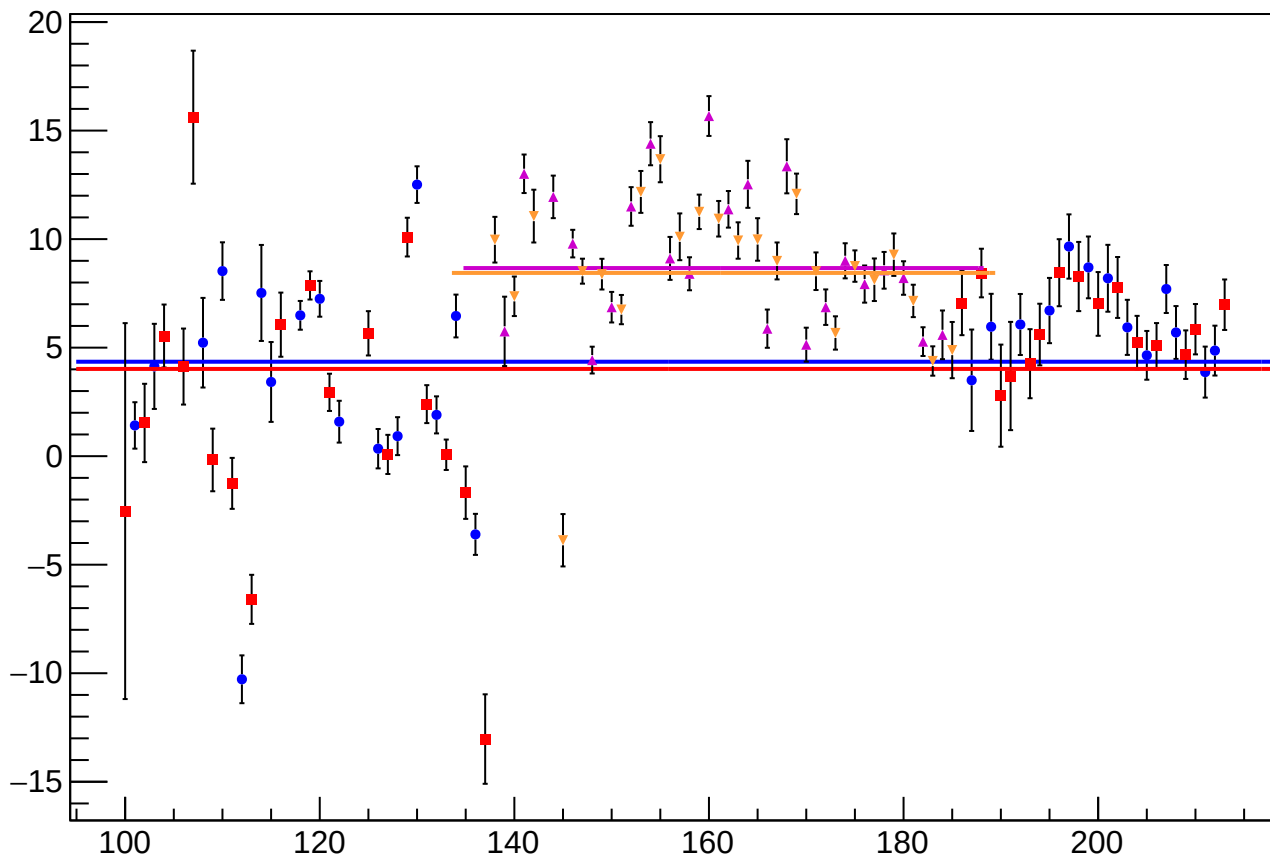
Left In: 8.773 $\pm$ 0.201 χ^2 /NDF:795.1/22

+ sign 6.160 $\pm$ 0.126 χ^2 /NDF: 6403.1/52

All: 5.947 $\pm$ 0.088 χ^2 /NDF: 14486.0/108

- sign 5.746 $\pm$ 0.123 χ^2 /NDF: 8077.3/55

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.351 ± 0.209 χ^2/NDF : 485.5/28

Left Out: 8.442 ± 0.174 χ^2/NDF : 264.2/23

Right Out: 4.020 ± 0.207 χ^2/NDF : 426.4/32

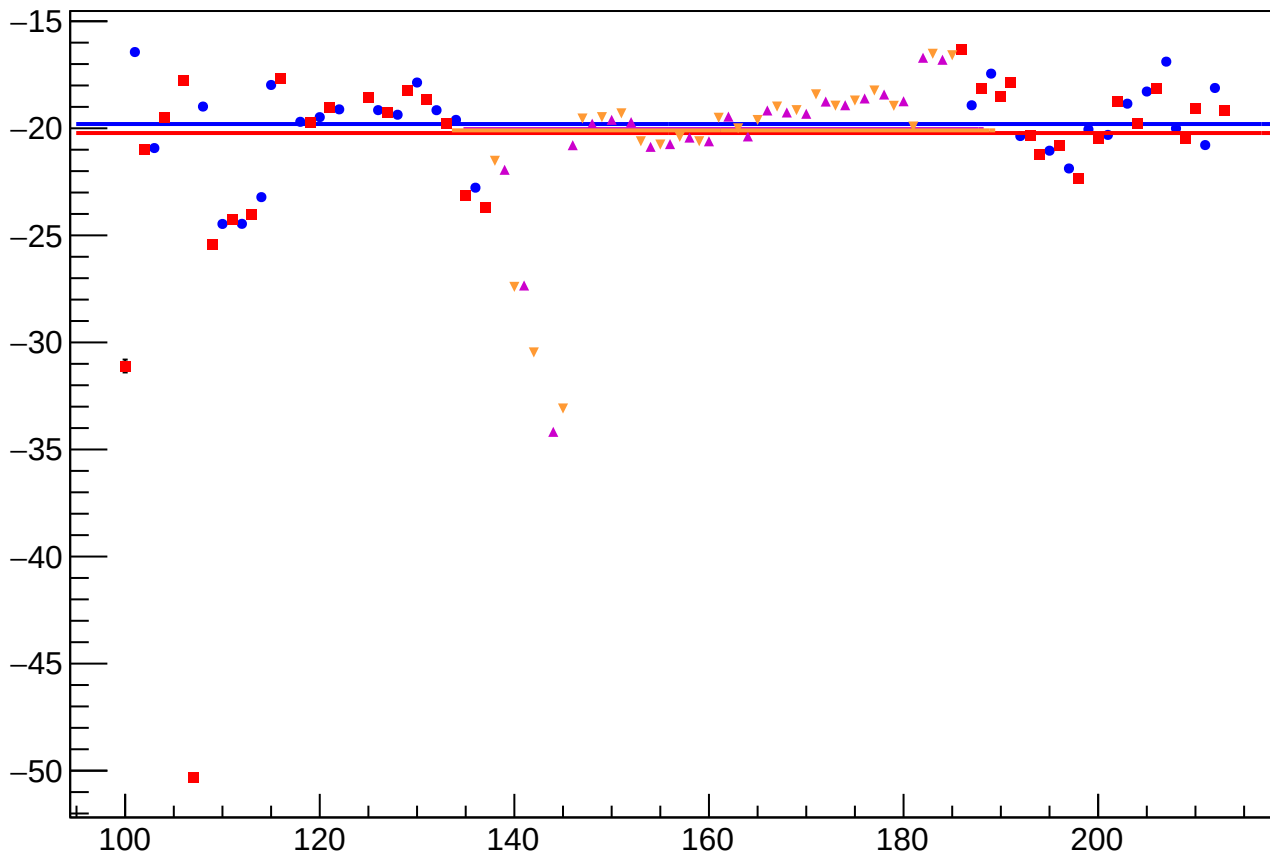
Left In: 8.666 ± 0.176 χ^2/NDF : 304.8/22

+ sign 6.774 ± 0.134 χ^2/NDF : 976.3/52

All: 6.750 ± 0.095 χ^2/NDF : 1999.7/108

- sign 6.726 ± 0.134 χ^2/NDF : 1023.4/55

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.801 ± 0.010 χ^2/NDF : 32382.8/28

Left Out: -20.096 ± 0.008 χ^2/NDF : 159293.0/23

Right Out: -20.221 ± 0.010 χ^2/NDF : 72376.3/32

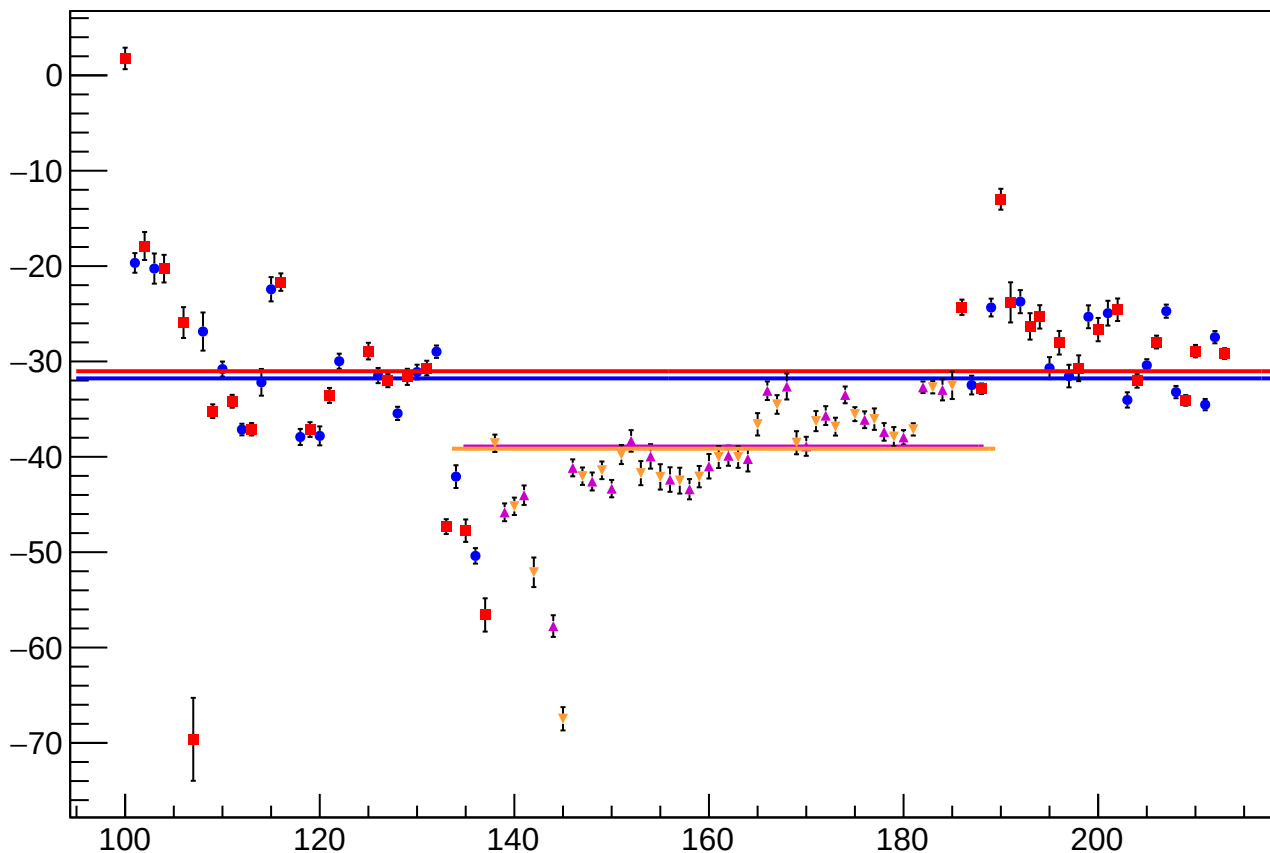
Left In: -20.037 ± 0.008 χ^2/NDF : 132291.6/22

+ sign -19.987 ± 0.006 χ^2/NDF : 192187.3/52

All: -20.047 ± 0.004 χ^2/NDF : 397237.3/108

- sign -20.106 ± 0.006 χ^2/NDF : 204870.6/55

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.777 ± 0.157 $\chi^2/\text{NDF}: 1427.4/28$

Left Out: -39.148 ± 0.202 $\chi^2/\text{NDF}: 898.8/23$

Right Out: -31.024 ± 0.149 $\chi^2/\text{NDF}: 2770.2/32$

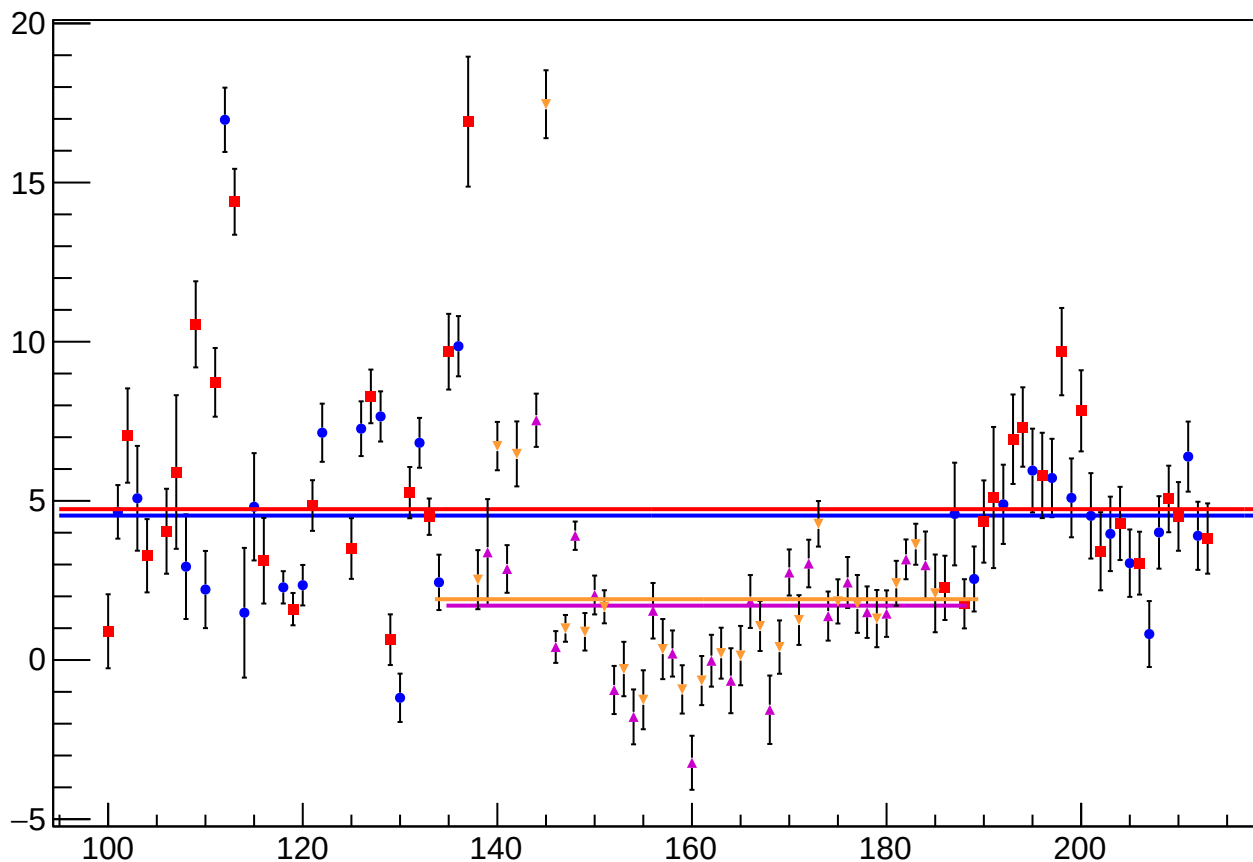
Left In: -38.921 ± 0.204 $\chi^2/\text{NDF}: 684.4/22$

+ sign -34.554 ± 0.124 $\chi^2/\text{NDF}: 3152.4/52$

All: -34.156 ± 0.086 $\chi^2/\text{NDF}: 7604.3/108$

- sign -33.782 ± 0.120 $\chi^2/\text{NDF}: 4432.0/55$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.538 ± 0.182 χ^2/NDF : 351.3/28

Left Out: 1.911 ± 0.152 χ^2/NDF : 359.3/23

Right Out: 4.739 ± 0.177 χ^2/NDF : 325.8/32

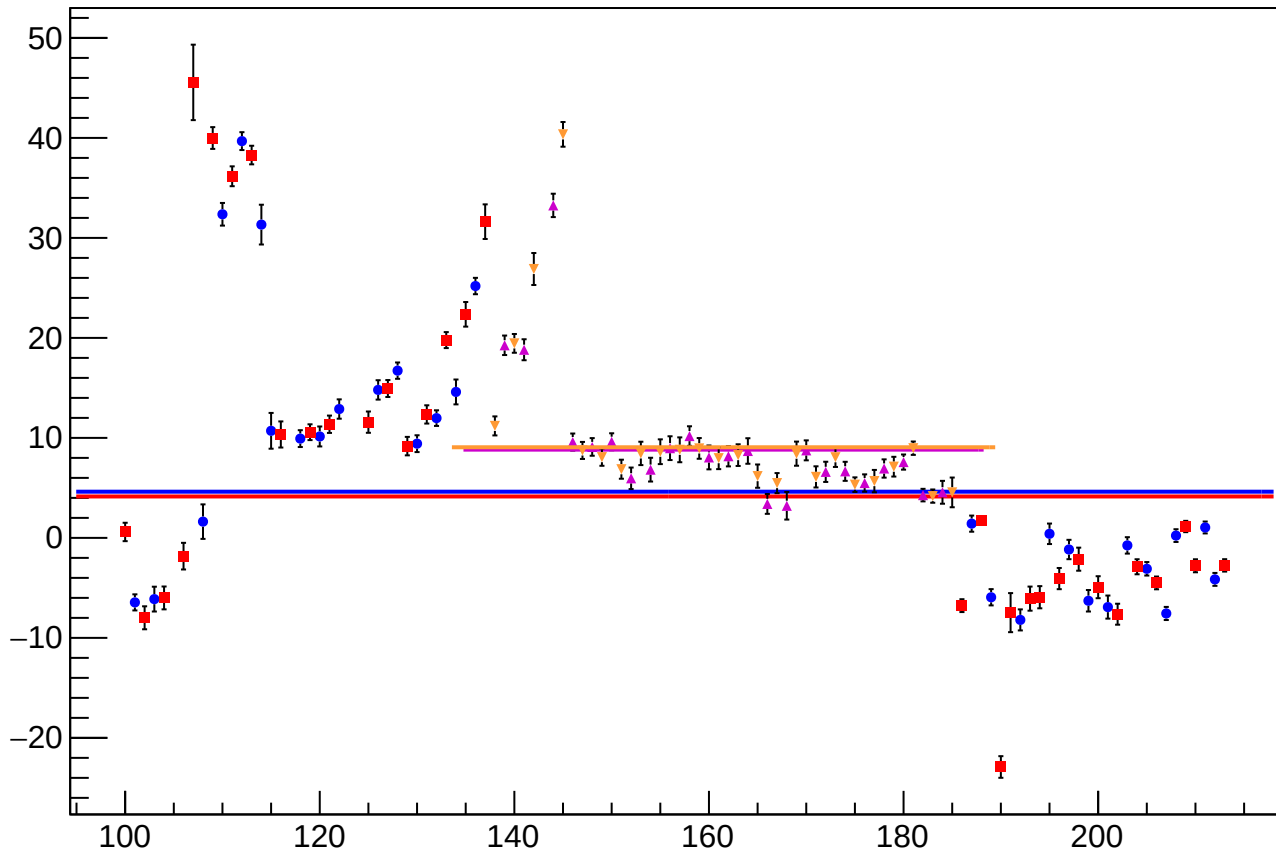
Left In: 1.709 ± 0.155 χ^2/NDF : 182.6/22

+ sign 2.994 ± 0.117 χ^2/NDF : 833.0/52

All: 3.010 ± 0.083 χ^2/NDF : 1507.8/108

- sign 3.027 ± 0.117 χ^2/NDF : 674.7/55

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 4.620 ± 0.163 χ^2/NDF : 5262.1/28

Left Out: 9.061 ± 0.201 χ^2/NDF : 1033.5/23

Right Out: 4.142 ± 0.153 χ^2/NDF : 7105.2/32

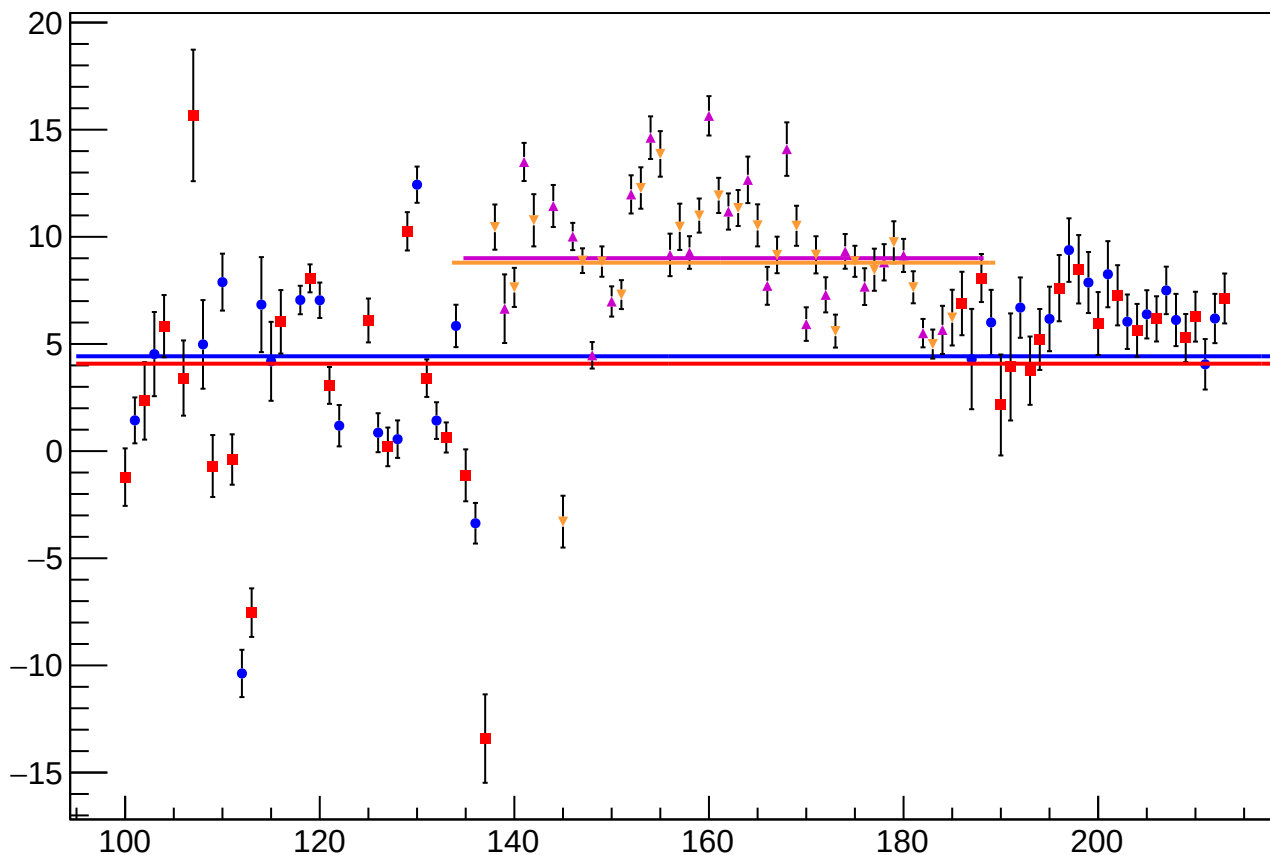
Left In: 8.826 ± 0.202 χ^2/NDF : 801.4/22

+ sign 6.384 ± 0.127 χ^2/NDF : 6590.3/52

All: 6.106 ± 0.088 χ^2/NDF : 14848.4/108

- sign 5.848 ± 0.122 χ^2/NDF : 8248.9/55

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.426 ± 0.210 $\chi^2/\text{NDF}: 484.2/28$

Left Out: 8.793 ± 0.174 $\chi^2/\text{NDF}: 244.1/23$

Right Out: 4.080 ± 0.206 $\chi^2/\text{NDF}: 442.7/32$

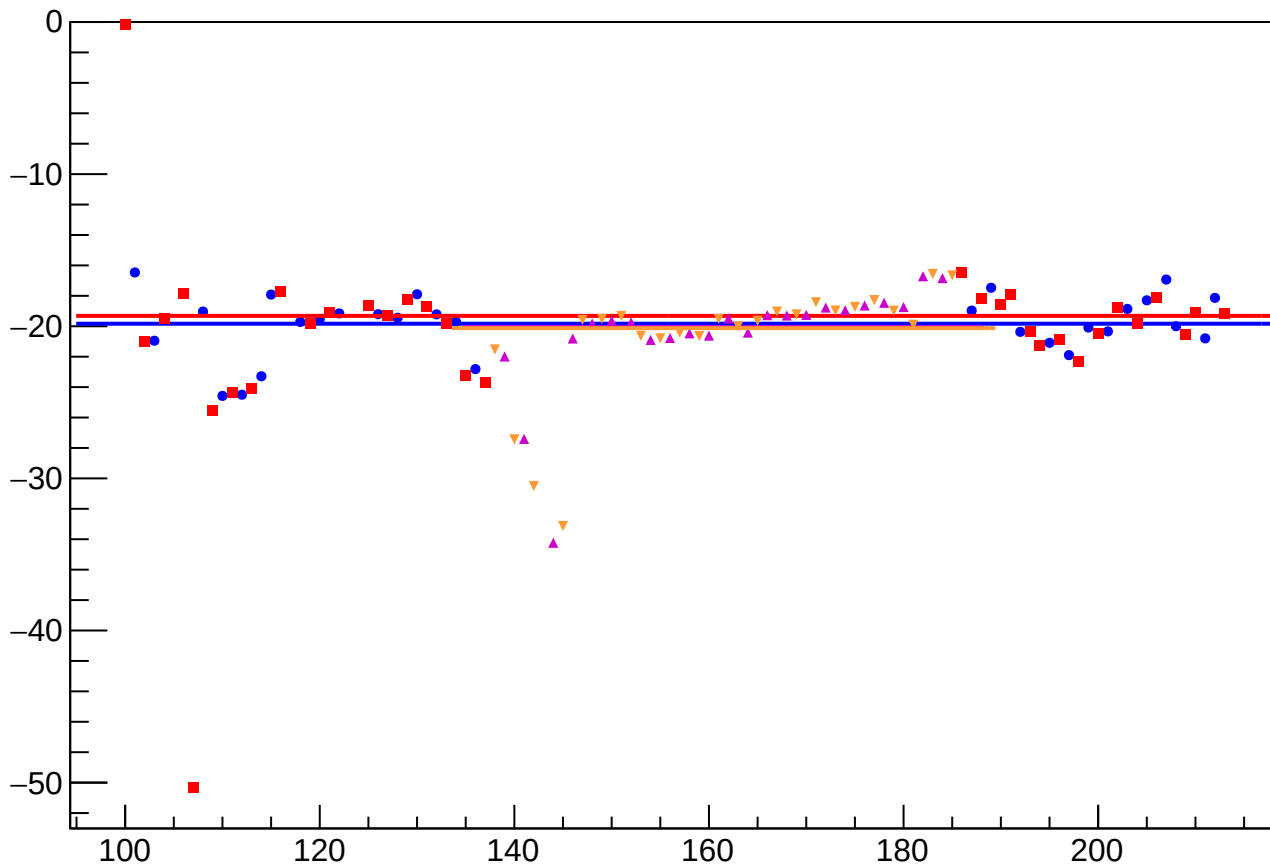
Left In: 9.004 ± 0.176 $\chi^2/\text{NDF}: 289.6/22$

+ sign 7.012 ± 0.134 $\chi^2/\text{NDF}: 985.5/52$

All: 6.966 ± 0.095 $\chi^2/\text{NDF}: 2049.2/108$

- sign 6.921 ± 0.134 $\chi^2/\text{NDF}: 1063.5/55$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.833 ± 0.010 χ^2/NDF : 32398.5/28

Left Out: -20.123 ± 0.008 χ^2/NDF : 158578.7/23

Right Out: -19.317 ± 0.010 χ^2/NDF : 248098.7/32

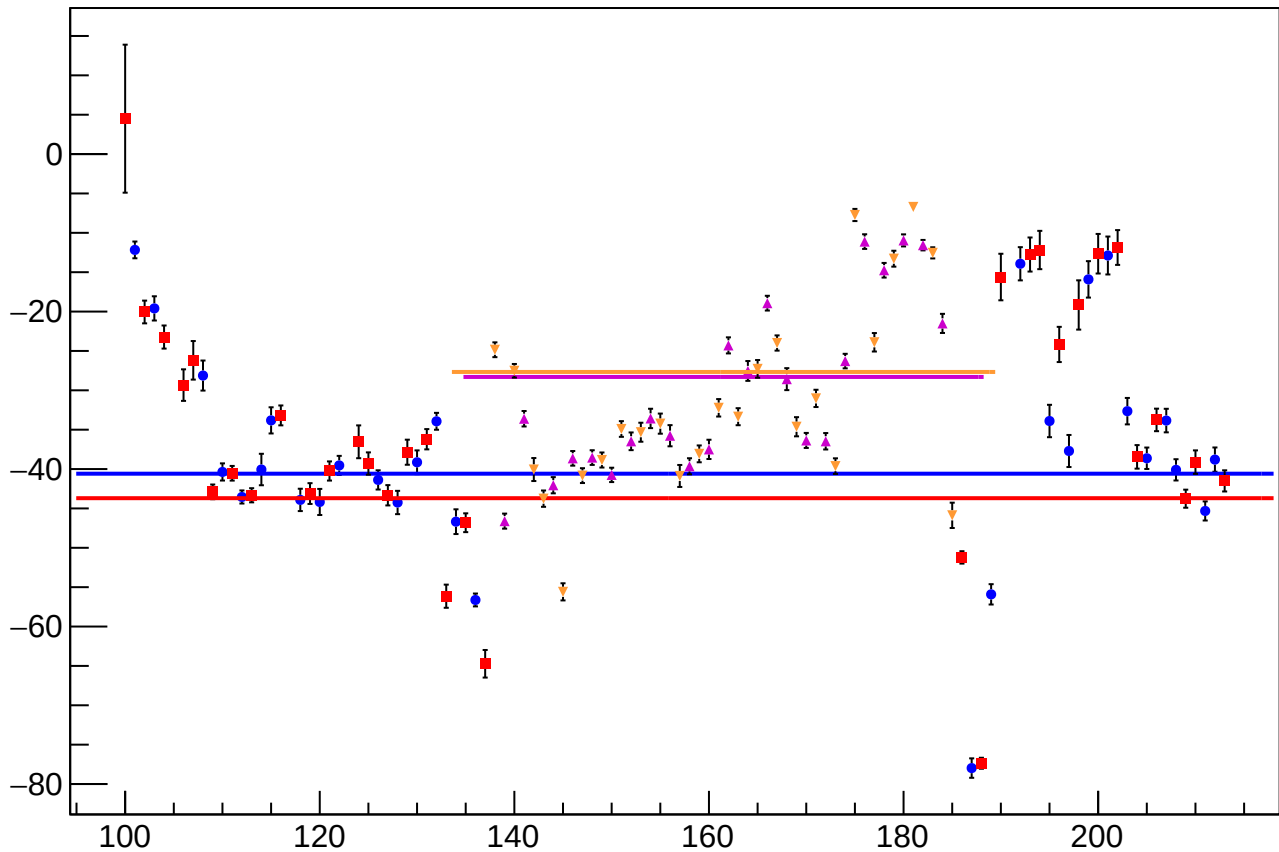
Left In: -20.063 ± 0.008 χ^2/NDF : 132690.0/22

+ sign -20.017 ± 0.006 χ^2/NDF : 191468.8/52

All: -19.894 ± 0.004 χ^2/NDF : 576424.1/108

- sign -19.776 ± 0.006 χ^2/NDF : 384215.0/55

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.589 ± 0.253 $\chi^2/\text{NDF}: 2967.1/28$

Left Out: -27.668 ± 0.200 $\chi^2/\text{NDF}: 4396.9/24$

Right Out: -43.699 ± 0.235 $\chi^2/\text{NDF}: 4438.1/32$

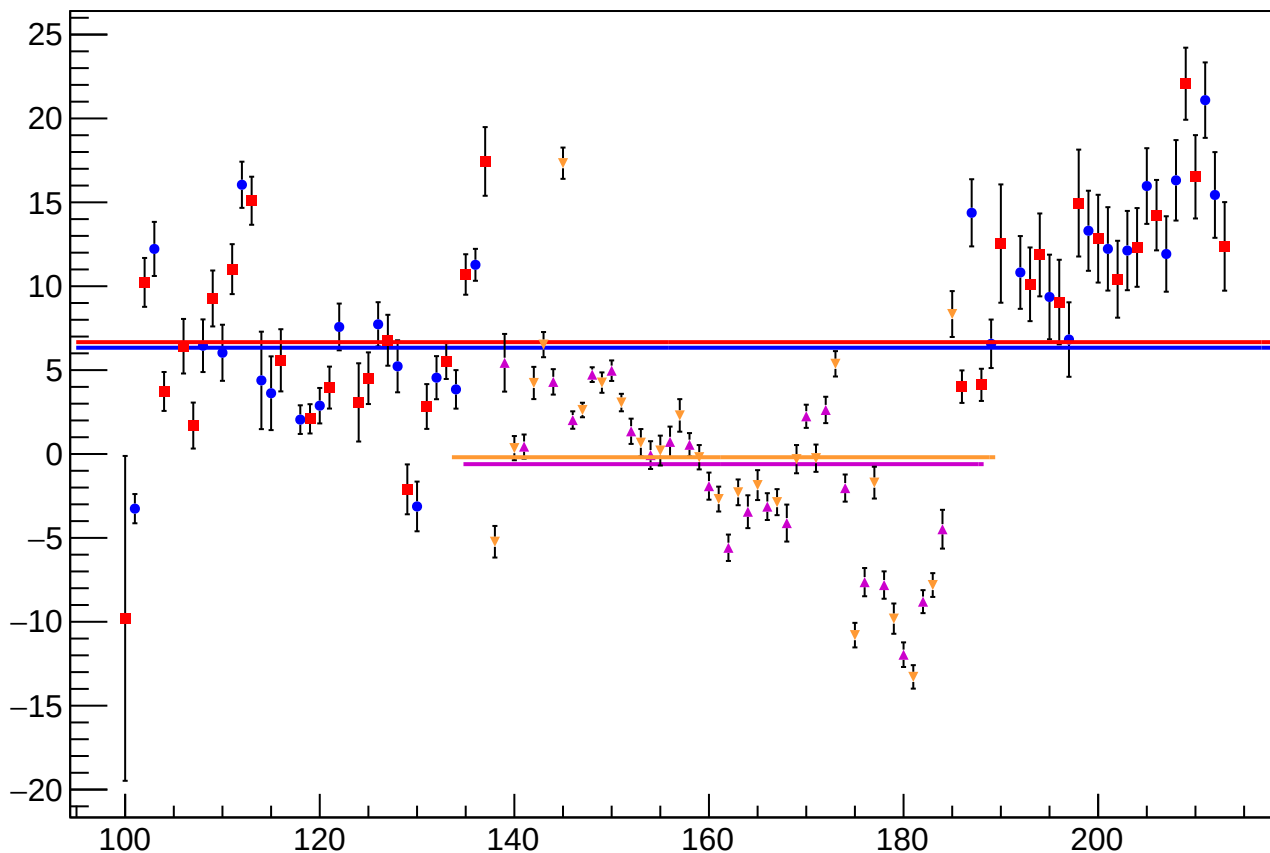
Left In: -28.303 ± 0.206 $\chi^2/\text{NDF}: 3273.4/22$

+ sign -32.661 ± 0.157 $\chi^2/\text{NDF}: 8969.3/53$

All: -33.844 ± 0.110 $\chi^2/\text{NDF}: 19225.9/109$

- sign -34.993 ± 0.155 $\chi^2/\text{NDF}: 10144.6/55$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.335 $\pm$ 0.280 χ^2/NDF : 438.7/28

Left Out: -0.192 $\pm$ 0.150 χ^2/NDF :1545.3/24

Right Out: 6.667 $\pm$ 0.271 χ^2/NDF : 324.6/32

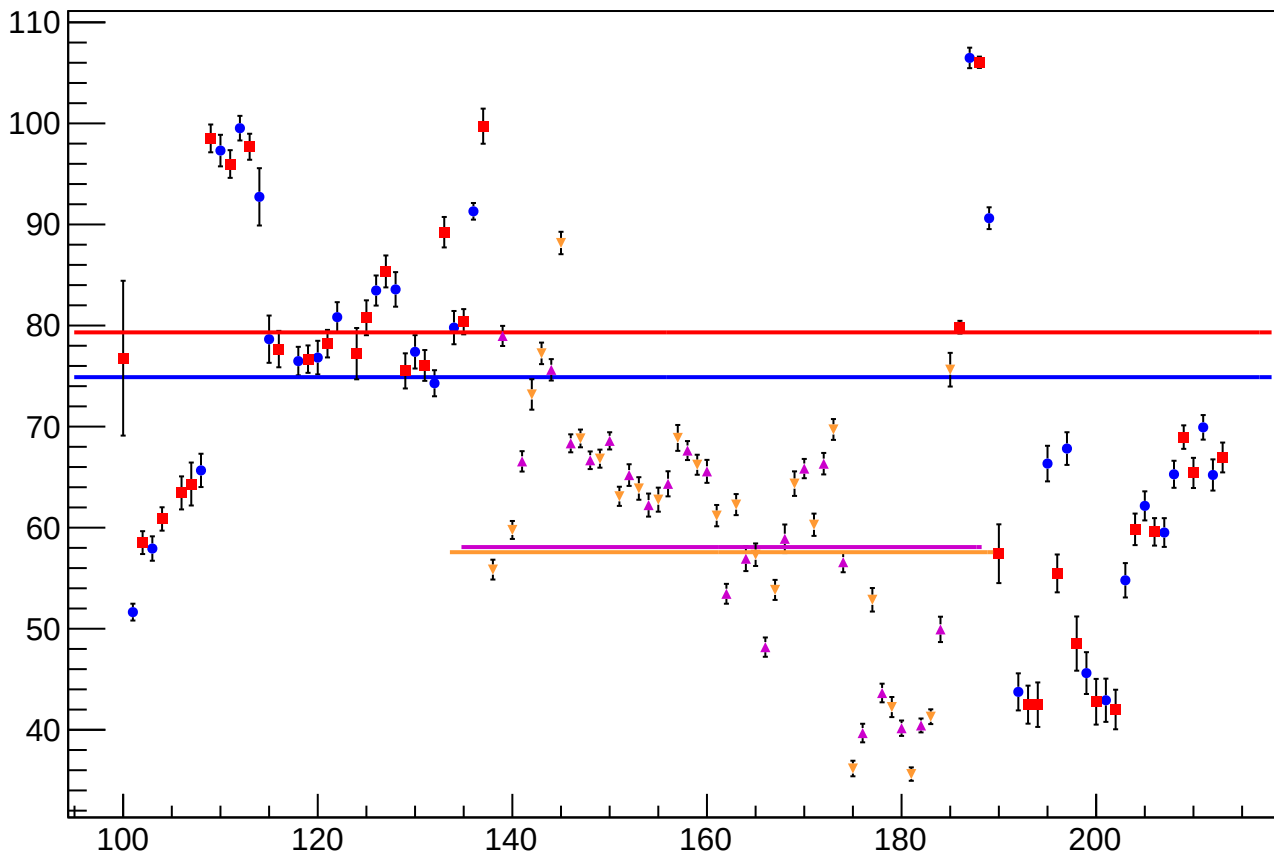
Left In: -0.605 $\pm$ 0.155 χ^2/NDF :974.6/22

+ sign 1.265 $\pm$ 0.132 χ^2/NDF : 2406.1/53

All: 1.230 $\pm$ 0.094 χ^2/NDF : 4249.1/109

- sign 1.195 $\pm$ 0.135 χ^2/NDF : 1842.9/55

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 74.892 ± 0.258 χ^2/NDF : 4532.0/28

Left Out: 57.573 ± 0.199 χ^2/NDF : 4685.5/24

Right Out: 79.323 ± 0.235 χ^2/NDF : 6027.7/32

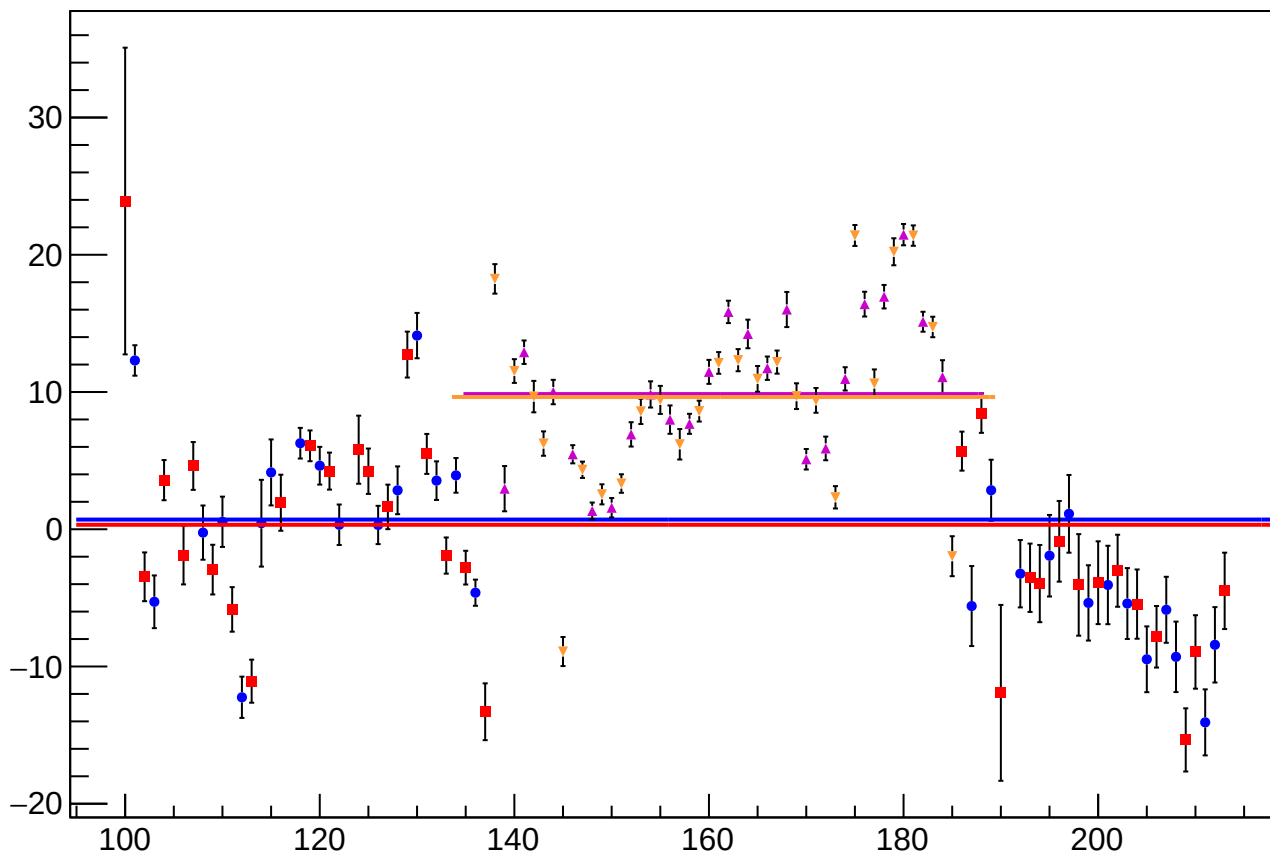
Left In: 58.080 ± 0.203 χ^2/NDF : 3558.6/22

+ sign 64.047 ± 0.157 χ^2/NDF : 12049.5/53

All: 65.648 ± 0.110 χ^2/NDF : 26506.0/109

- sign 67.177 ± 0.154 χ^2/NDF : 14254.3/55

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.705 ± 0.324 χ^2/NDF : 449.4/28

Left Out: 9.636 ± 0.171 χ^2/NDF : 1491.5/24

Right Out: 0.326 ± 0.320 χ^2/NDF : 397.6/32

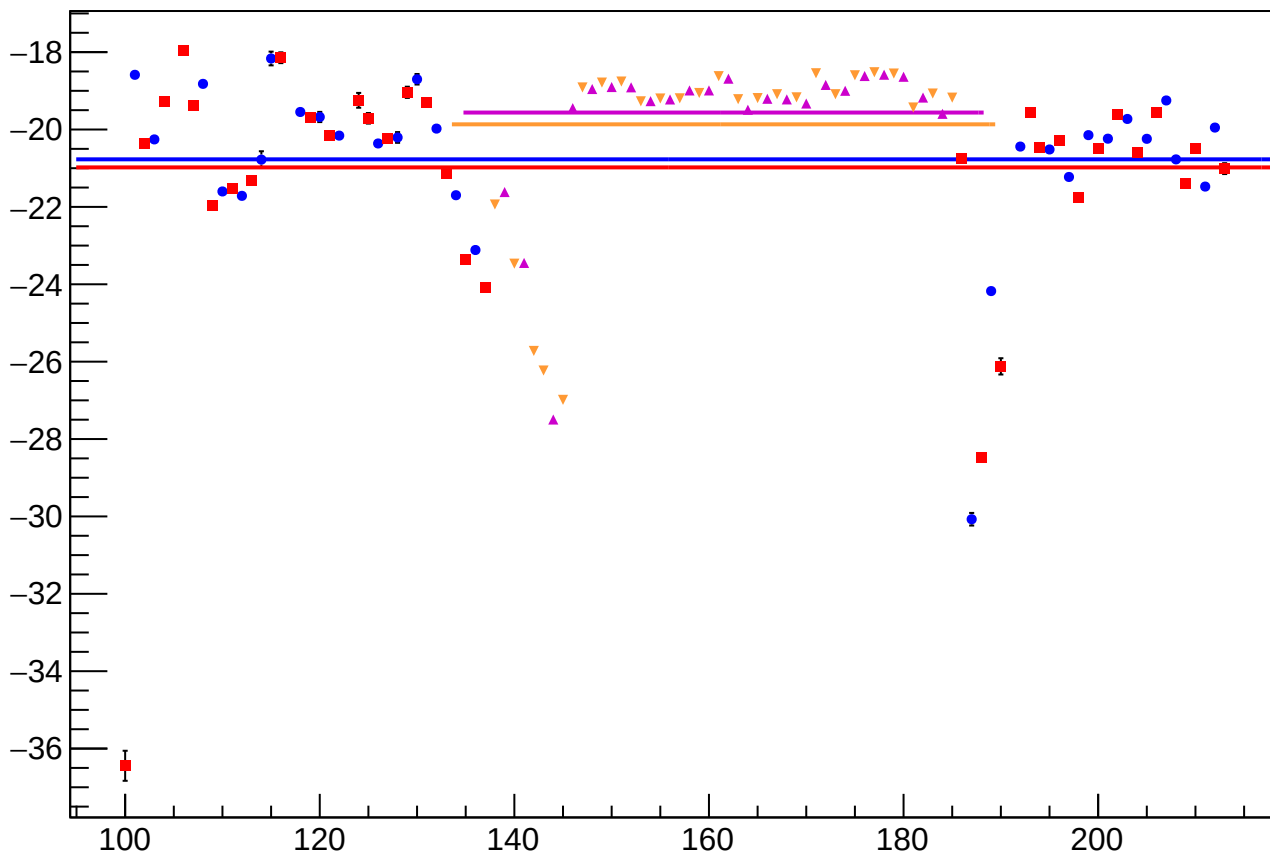
Left In: 9.849 ± 0.176 χ^2/NDF : 993.0/22

+ sign 7.684 ± 0.152 χ^2/NDF : 2534.3/53

All: 7.658 ± 0.108 χ^2/NDF : 4604.5/109

- sign 7.631 ± 0.154 χ^2/NDF : 2070.1/55

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.771 ± 0.016 $\chi^2/\text{NDF}: 12617.4/28$

Left Out: -19.866 ± 0.008 $\chi^2/\text{NDF}: 78894.3/24$

Right Out: -20.979 ± 0.016 $\chi^2/\text{NDF}: 20701.5/32$

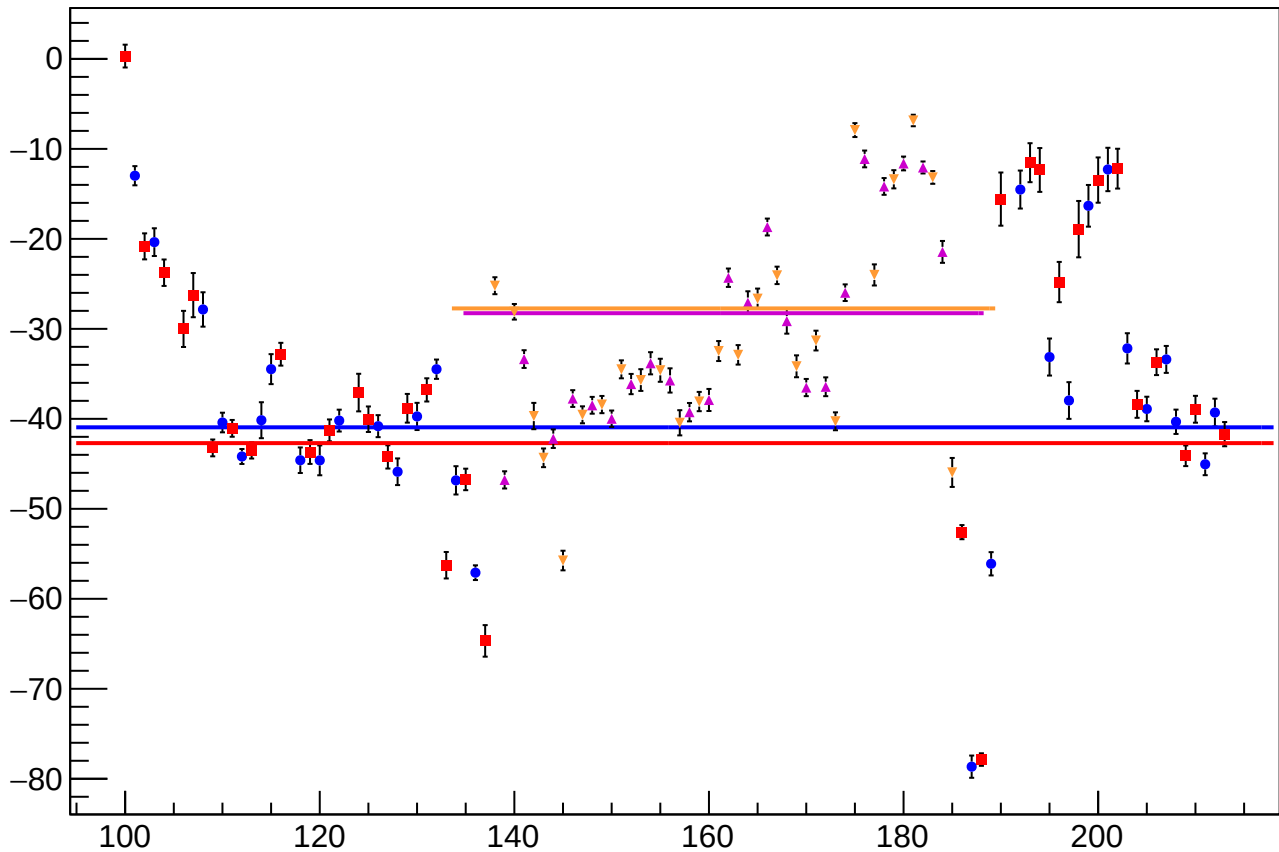
Left In: -19.562 ± 0.008 $\chi^2/\text{NDF}: 45172.6/22$

+ sign -20.046 ± 0.007 $\chi^2/\text{NDF}: 94150.4/53$

All: -19.948 ± 0.005 $\chi^2/\text{NDF}: 166821.3/109$

- sign -19.847 ± 0.007 $\chi^2/\text{NDF}: 72274.9/55$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.942 ± 0.253 χ^2/NDF : 2971.6/28

Left Out: -27.729 ± 0.201 χ^2/NDF : 4299.7/24

Right Out: -42.699 ± 0.231 χ^2/NDF : 5645.6/32

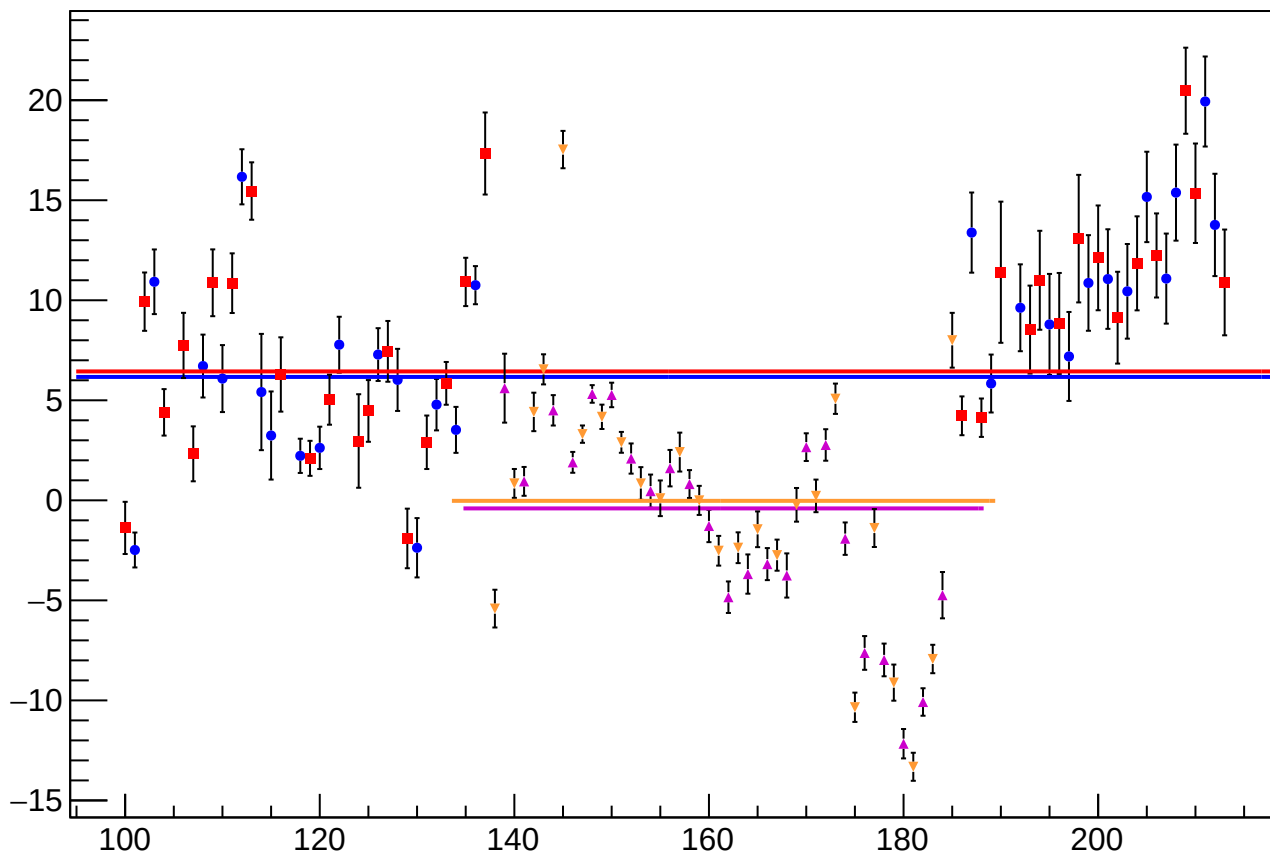
Left In: -28.260 ± 0.206 χ^2/NDF : 3172.7/22

+ sign -32.836 ± 0.157 χ^2/NDF : 8945.6/53

All: -33.766 ± 0.110 χ^2/NDF : 20005.0/109

- sign -34.656 ± 0.154 χ^2/NDF : 10991.0/55

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.168 $\pm$ 0.280 χ^2 /NDF: 368.4/28

Left Out: -0.026 $\pm$ 0.150 χ^2 /NDF:1531.8/24

Right Out: 6.443 $\pm$ 0.265 χ^2 /NDF: 320.3/32

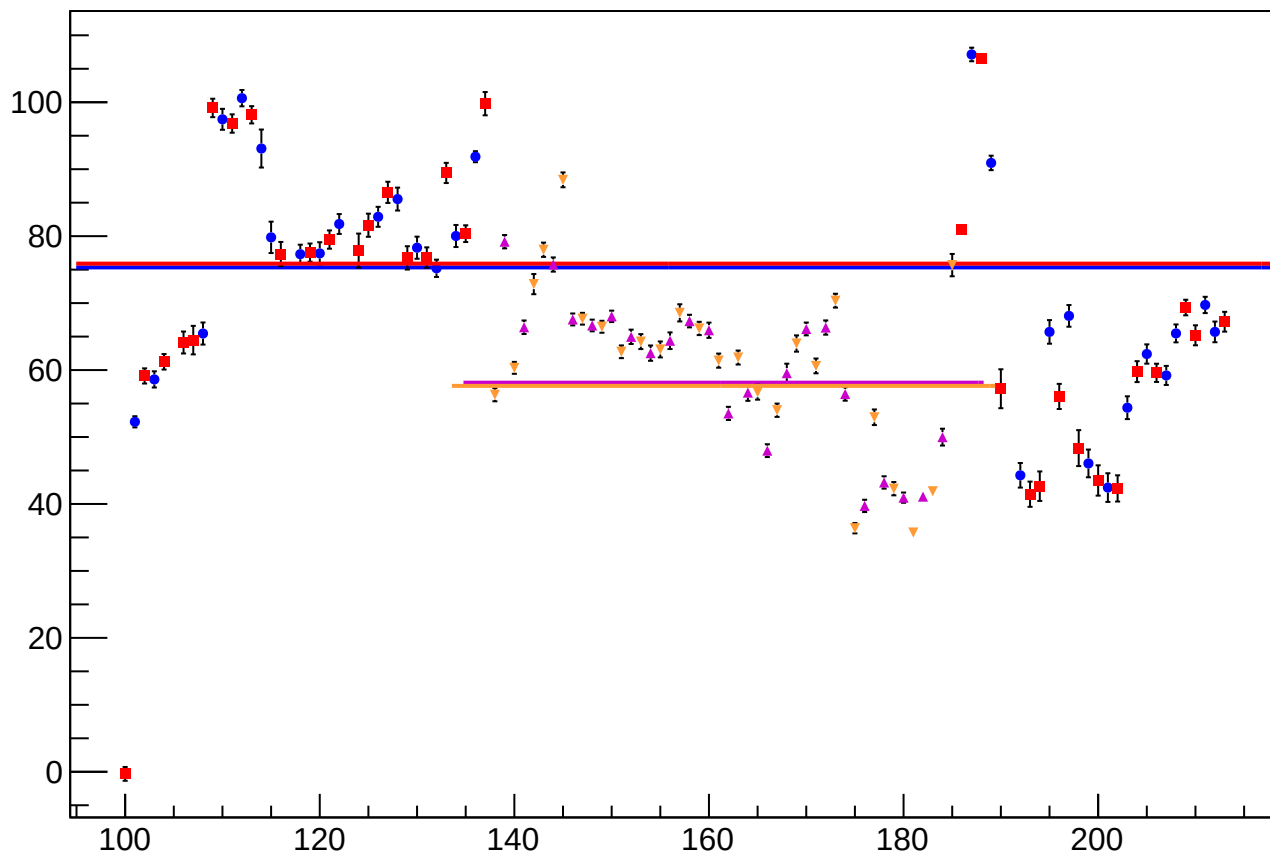
Left In: -0.404 $\pm$ 0.155 χ^2 /NDF:1084.1/22

+ sign 1.357 $\pm$ 0.132 χ^2 /NDF: 2279.3/53

All: 1.351 $\pm$ 0.094 χ^2 /NDF: 4179.3/109

- sign 1.345 $\pm$ 0.134 χ^2 /NDF: 1900.0/55

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.331 ± 0.258 χ^2/NDF : 4598.4/28

Left Out: 57.638 ± 0.199 χ^2/NDF : 4612.7/24

Right Out: 75.897 ± 0.230 χ^2/NDF : 11812.0/32

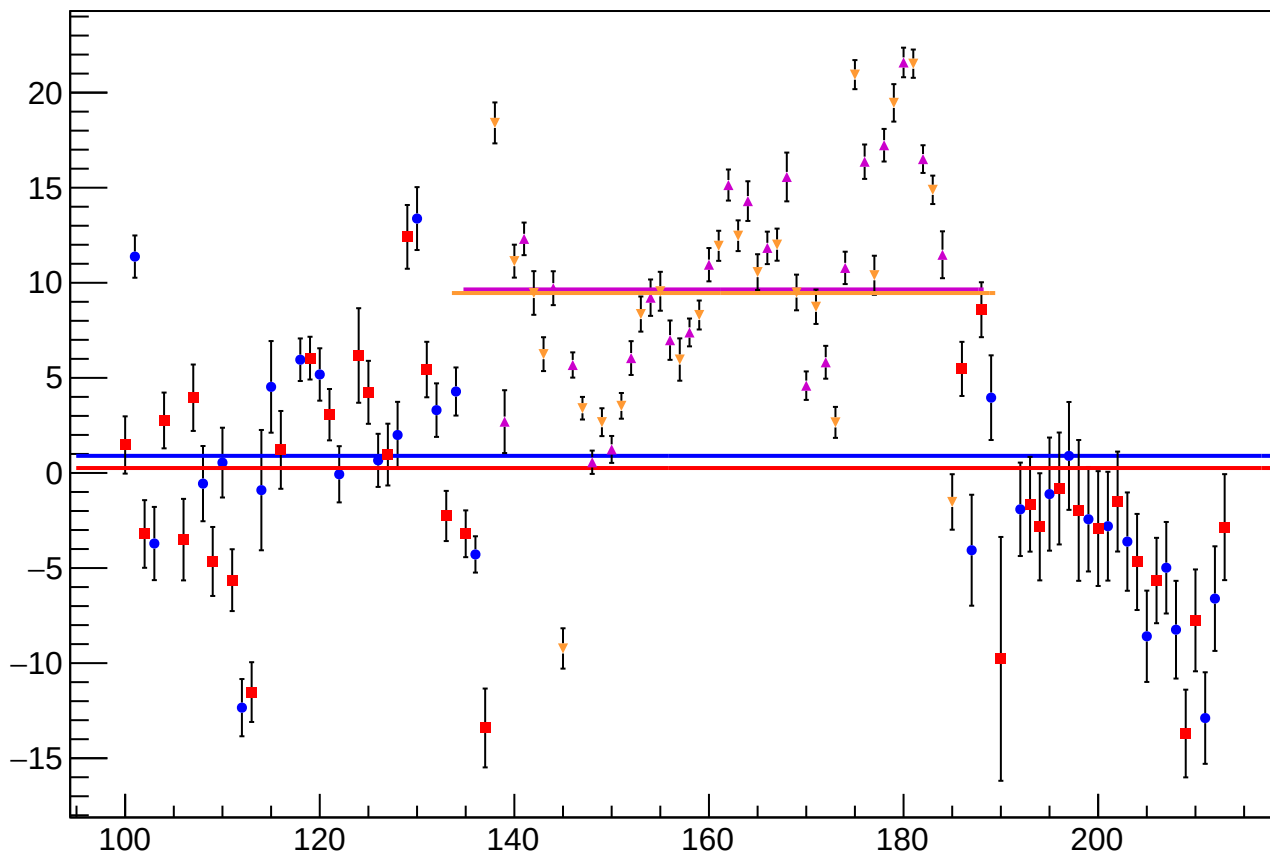
Left In: 58.117 ± 0.204 χ^2/NDF : 3443.9/22

+ sign 64.252 ± 0.158 χ^2/NDF : 12158.4/53

All: 65.131 ± 0.110 χ^2/NDF : 30827.1/109

- sign 65.953 ± 0.152 χ^2/NDF : 18608.6/55

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.900 ± 0.325 $\chi^2/\text{NDF}: 389.8/28$

Left Out: 9.461 ± 0.172 $\chi^2/\text{NDF}: 1483.1/24$

Right Out: 0.260 ± 0.314 $\chi^2/\text{NDF}: 364.9/32$

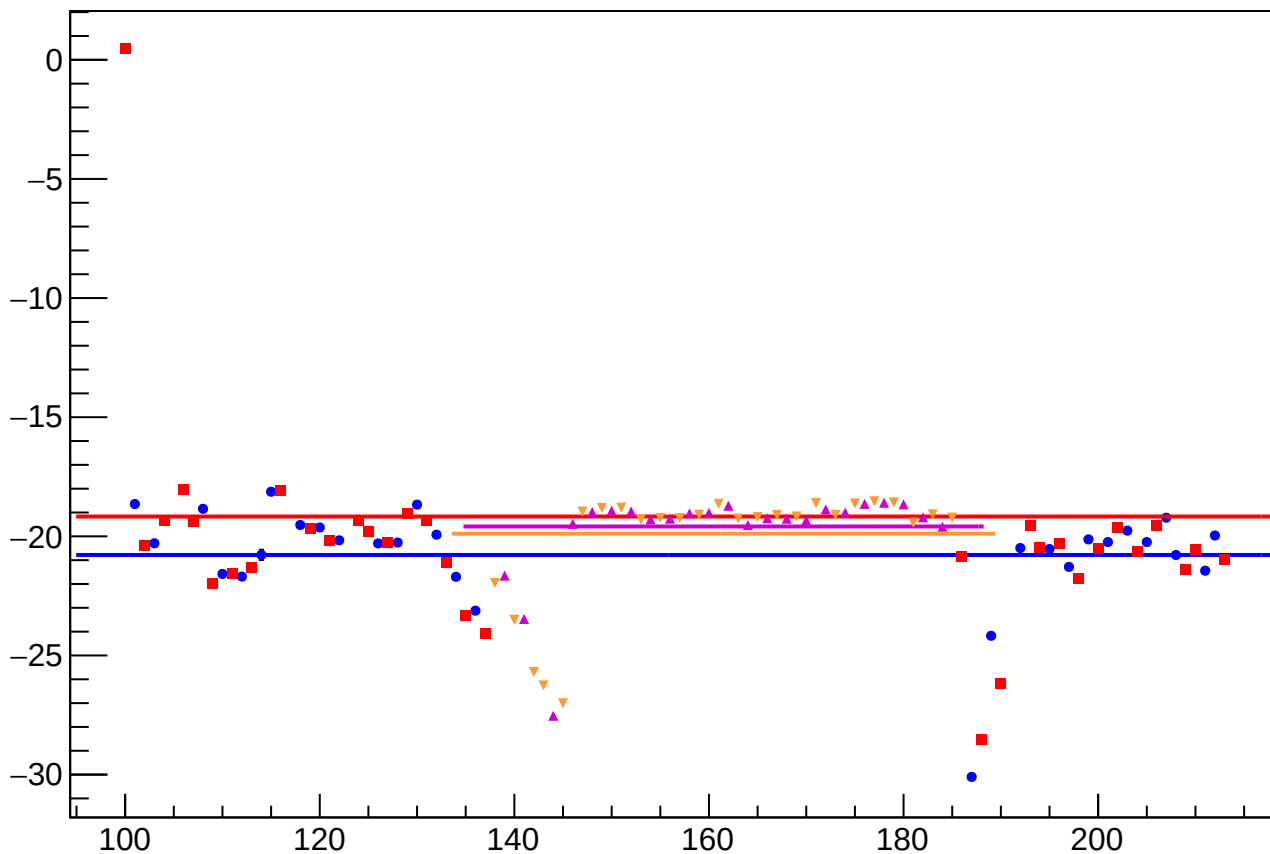
Left In: 9.650 ± 0.177 $\chi^2/\text{NDF}: 1078.5/22$

+ sign 7.590 ± 0.152 $\chi^2/\text{NDF}: 2416.7/53$

All: 7.490 ± 0.108 $\chi^2/\text{NDF}: 4542.0/109$

- sign 7.388 ± 0.154 $\chi^2/\text{NDF}: 2124.5/55$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.782 ± 0.016 $\chi^2/\text{NDF}: 12501.6/28$

Left Out: -19.889 ± 0.008 $\chi^2/\text{NDF}: 78512.6/24$

Right Out: -19.168 ± 0.015 $\chi^2/\text{NDF}: 172633.1/32$

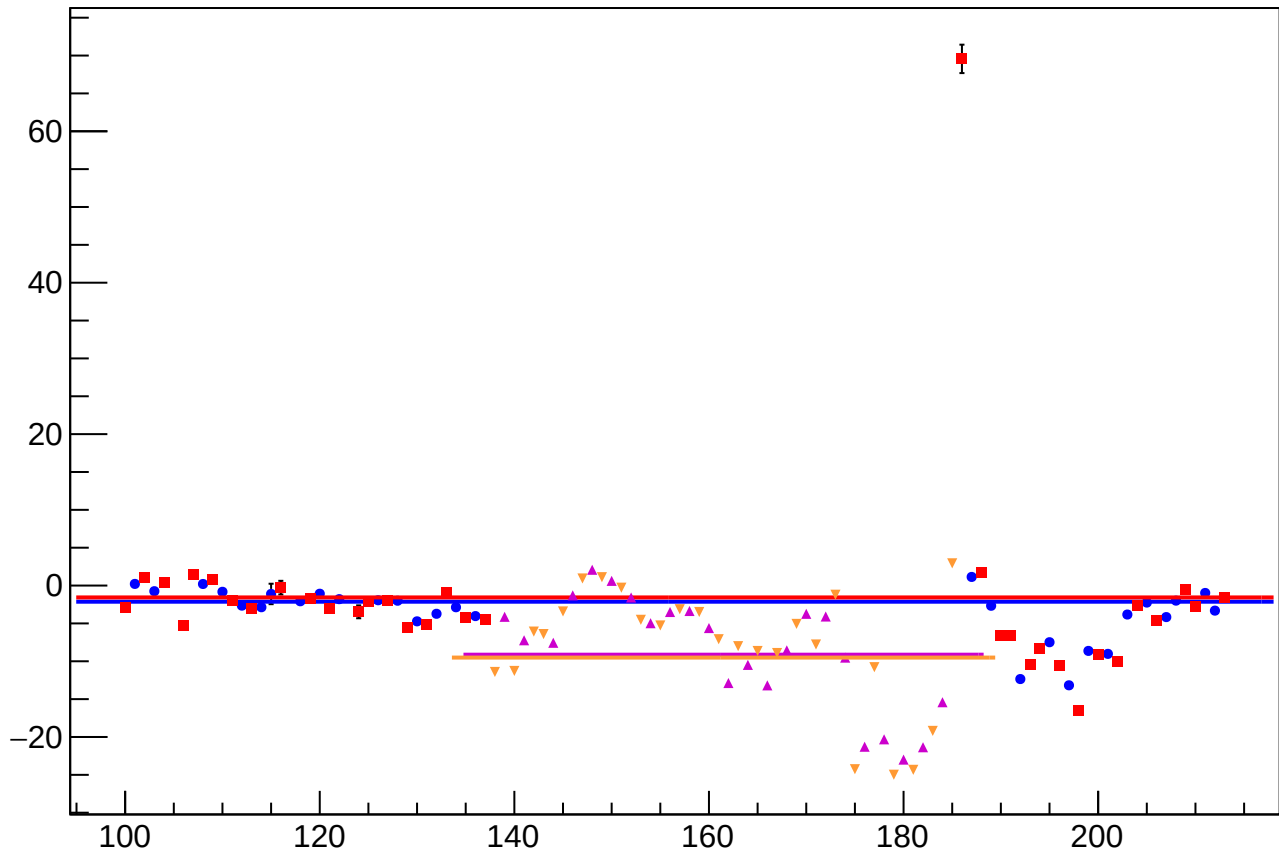
Left In: -19.586 ± 0.008 $\chi^2/\text{NDF}: 45085.3/22$

+ sign -20.067 ± 0.007 $\chi^2/\text{NDF}: 93581.6/53$

All: -19.782 ± 0.005 $\chi^2/\text{NDF}: 315170.7/109$

- sign -19.496 ± 0.007 $\chi^2/\text{NDF}: 218312.0/55$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.132 ± 0.048 χ^2/NDF : 3363.7/28

Left Out: -9.512 ± 0.073 χ^2/NDF : 12916.4/24

Right Out: -1.568 ± 0.044 χ^2/NDF : 6970.0/33

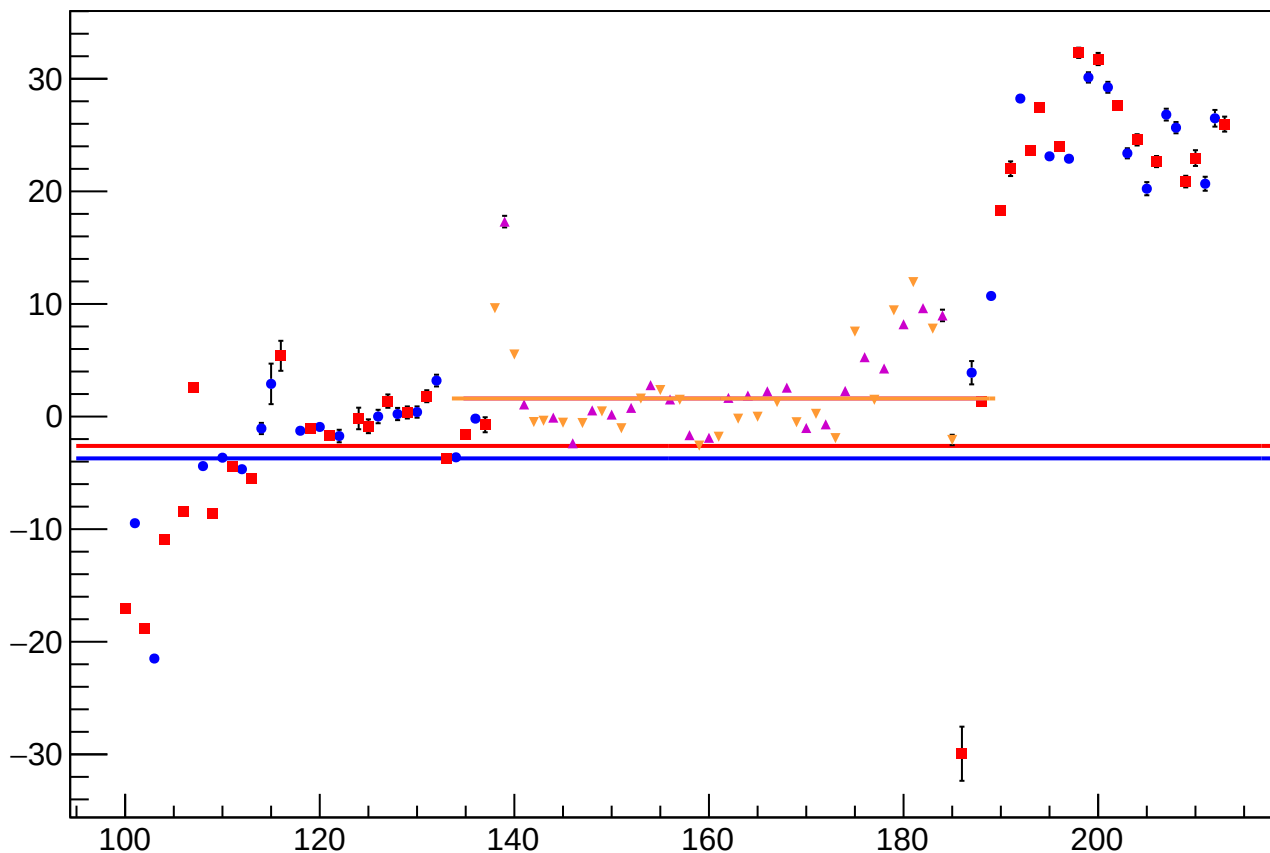
Left In: -9.131 ± 0.075 χ^2/NDF : 10390.6/22

+ sign -4.391 ± 0.040 χ^2/NDF : 23442.9/53

All: -3.943 ± 0.028 χ^2/NDF : 48604.6/110

- sign -3.539 ± 0.038 χ^2/NDF : 24925.4/56

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.714 ± 0.052 χ^2/NDF : 64513.0/28

Left Out: 1.606 ± 0.055 χ^2/NDF : 4677.2/24

Right Out: -2.608 ± 0.052 χ^2/NDF : 68619.0/33

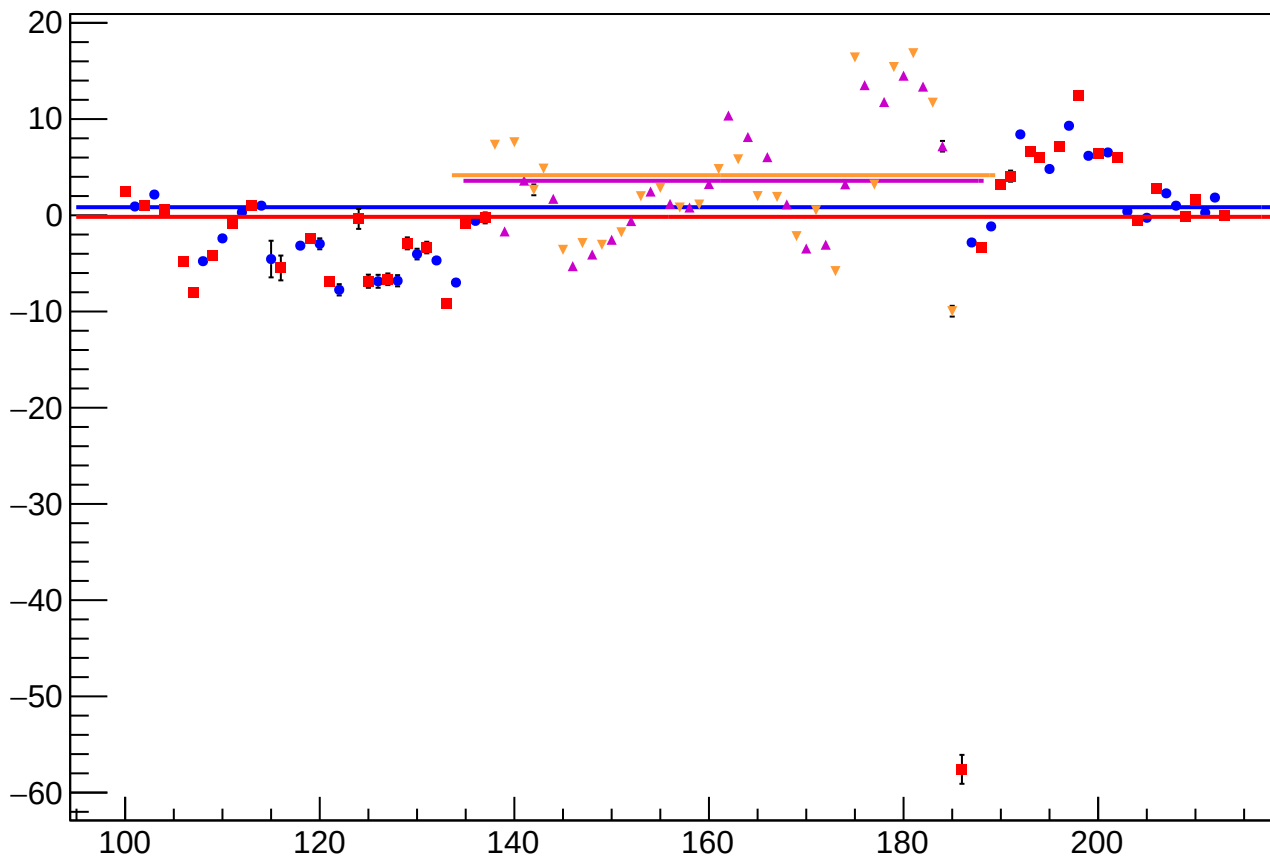
Left In: 1.605 ± 0.058 χ^2/NDF : 3656.4/22

+ sign -1.193 ± 0.038 χ^2/NDF : 74080.9/53

All: -0.966 ± 0.027 χ^2/NDF : 149389.2/110

- sign -0.732 ± 0.038 χ^2/NDF : 75235.8/56

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.841 ± 0.046 χ^2/NDF : 4181.0/28

Left Out: 4.167 ± 0.072 χ^2/NDF : 9246.5/24

Right Out: -0.162 ± 0.045 χ^2/NDF : 8227.5/33

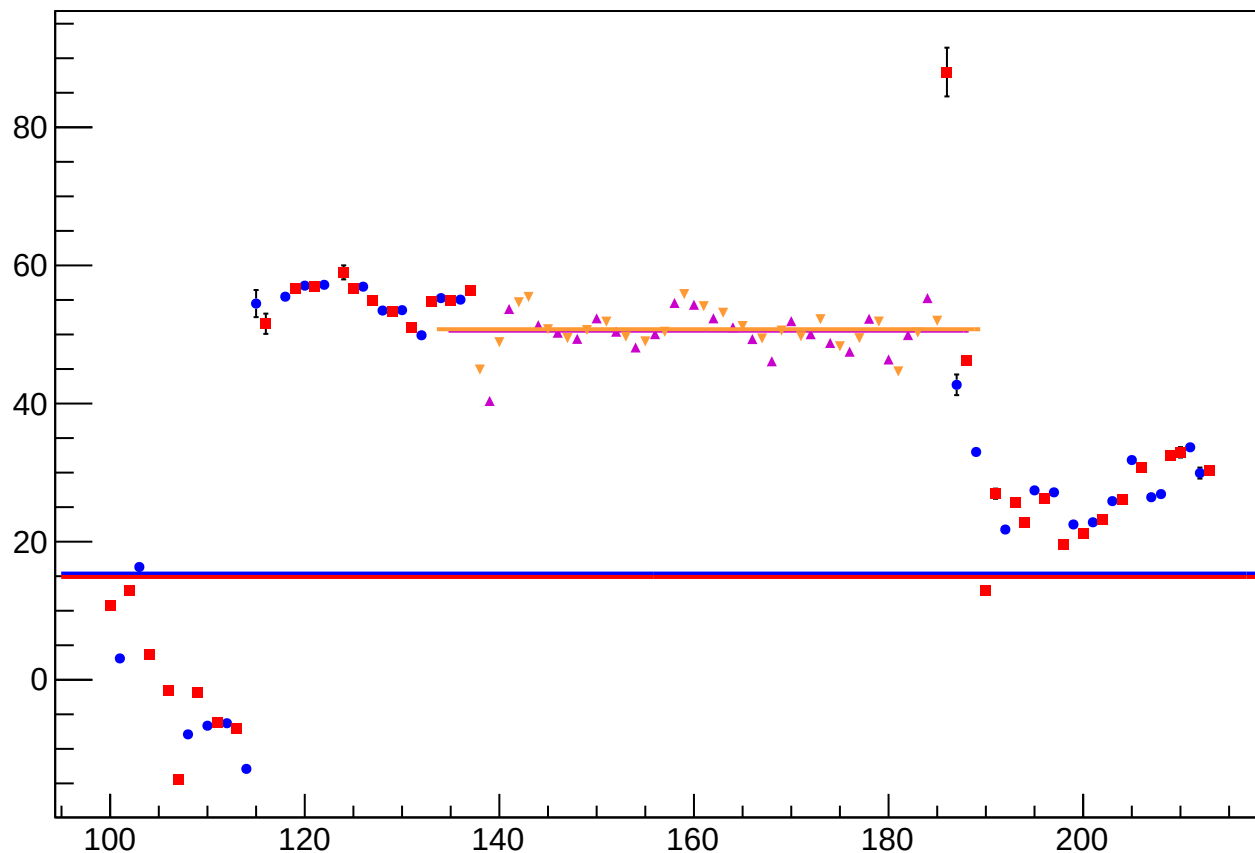
Left In: 3.584 ± 0.074 χ^2/NDF : 7228.4/22

+ sign 1.816 ± 0.039 χ^2/NDF : 14931.4/53

All: 1.322 ± 0.027 χ^2/NDF : 32578.3/110

- sign 0.845 ± 0.038 χ^2/NDF : 17332.0/56

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.381+/-0.062 χ^2 /NDF: 115921.7/28

Left Out: 50.761+/-0.062 χ^2 /NDF:1748.6/24

Right Out: 14.892+/-0.061 χ^2 /NDF: 132867.4/33

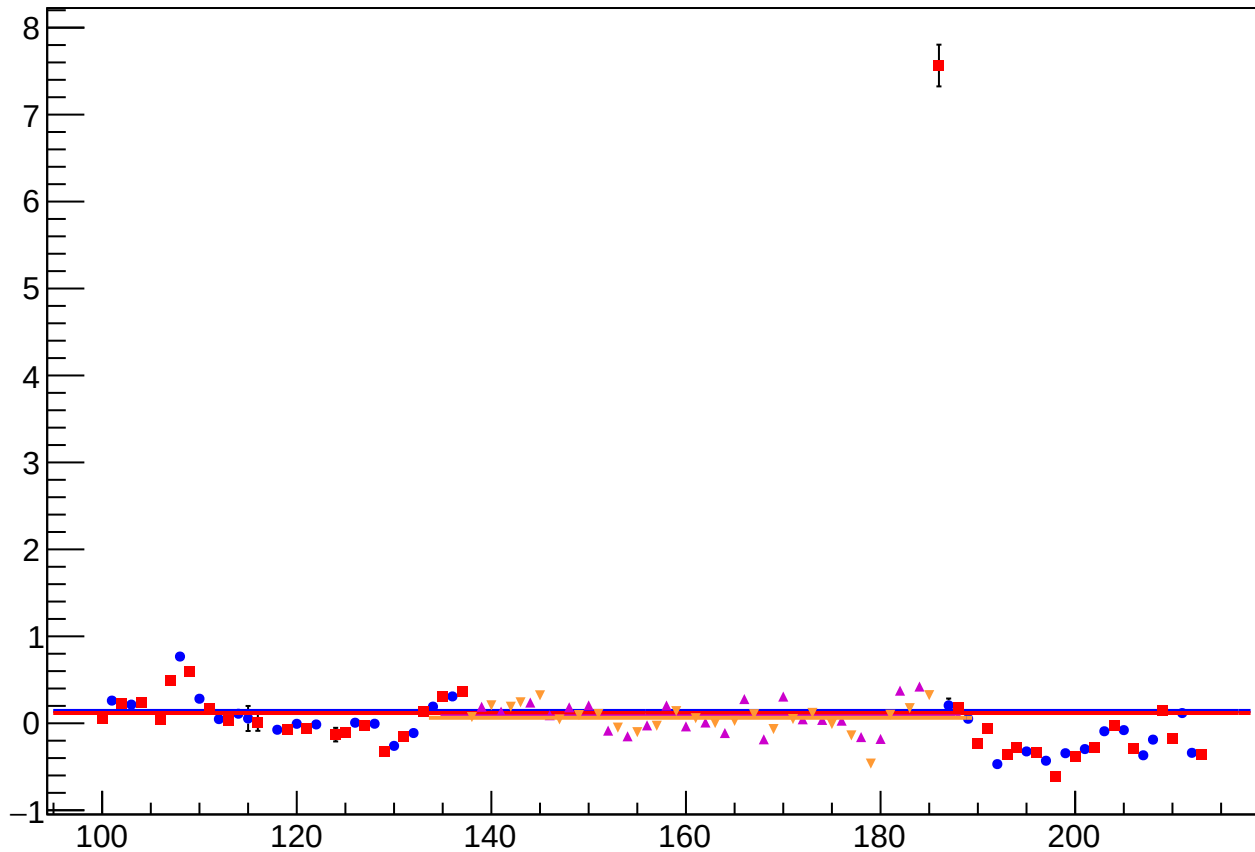
Left In: 50.550+/-0.065 χ^2 /NDF:1717.7/22

+ sign 32.987+/-0.044 χ^2 /NDF: 278976.4/53

All: 32.353+/-0.031 χ^2 /NDF: 574147.4/110

- sign 31.707+/-0.044 χ^2 /NDF: 294753.1/56

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.002 χ^2 /NDF: 13677.0/28

Left Out: 0.063 $\pm$ 0.003 χ^2 /NDF:2566.7/24

Right Out: 0.119 $\pm$ 0.002 χ^2 /NDF: 13204.7/33

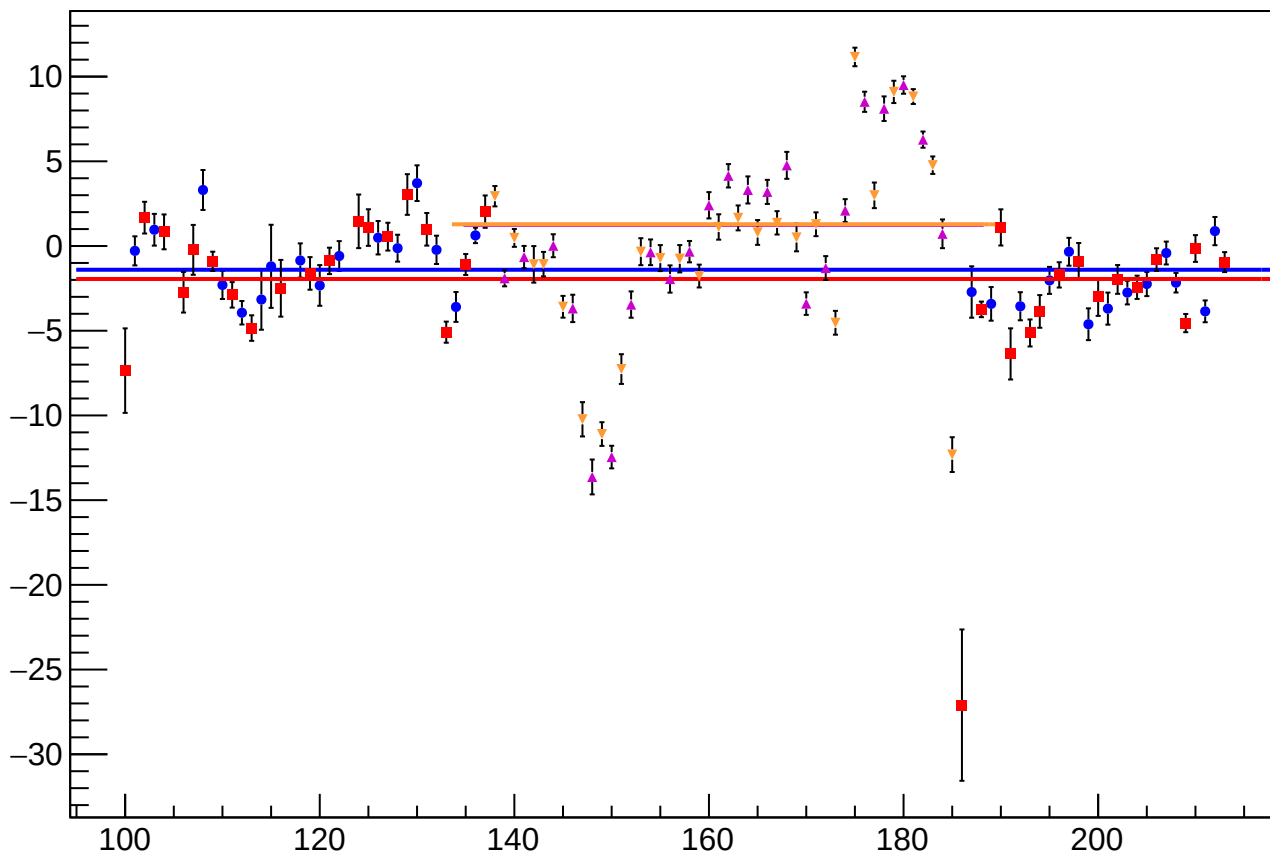
Left In: 0.080 $\pm$ 0.003 χ^2 /NDF:3446.5/22

+ sign 0.108 $\pm$ 0.002 χ^2 /NDF: 16690.7/53

All: 0.105 $\pm$ 0.001 χ^2 /NDF: 33456.3/110

- sign 0.102 $\pm$ 0.002 χ^2 /NDF: 16761.4/56

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.401 ± 0.153 χ^2/NDF : 161.5/28

Left Out: 1.283 ± 0.137 χ^2/NDF : 1715.5/24

Right Out: -1.946 ± 0.142 χ^2/NDF : 263.9/33

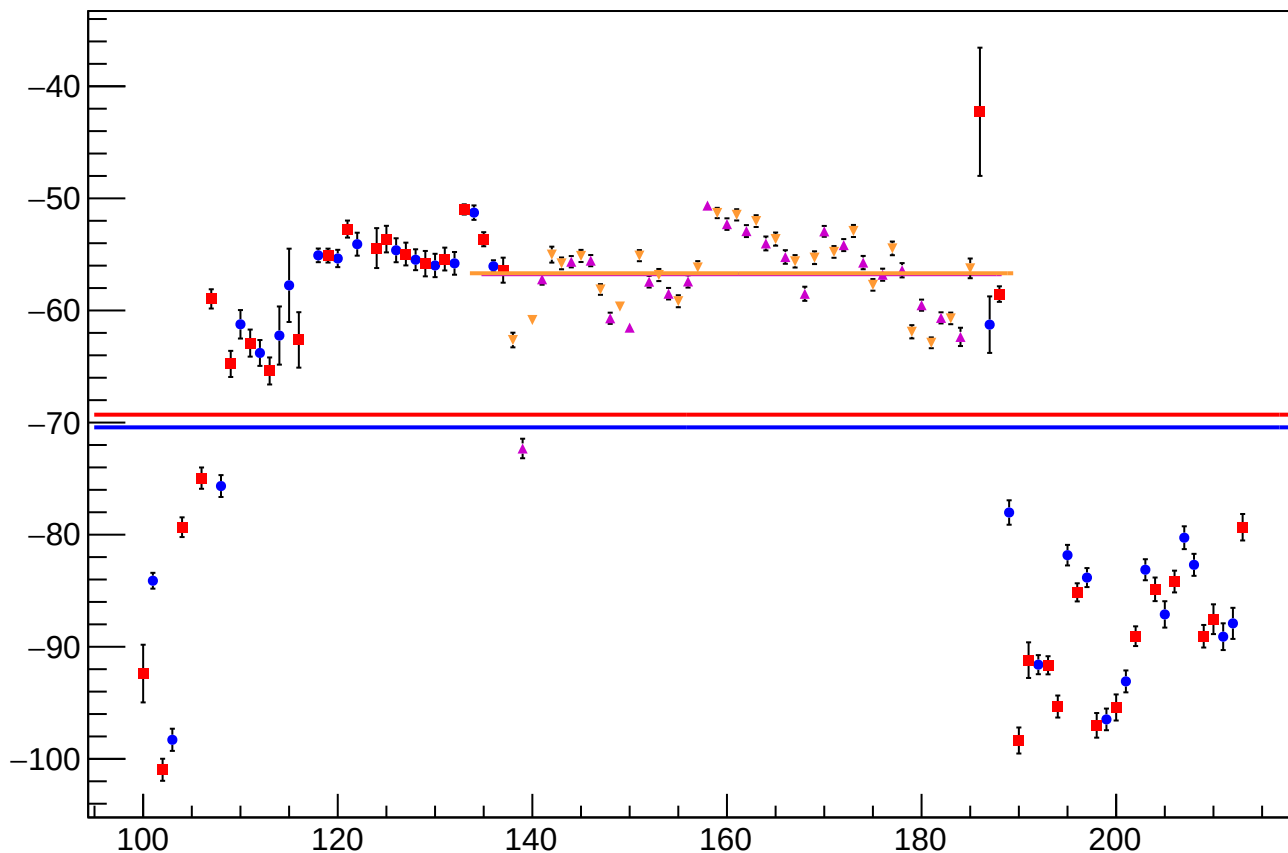
Left In: 1.247 ± 0.140 χ^2/NDF : 1512.4/22

+ sign 0.093 ± 0.102 χ^2/NDF : 2047.3/53

All: -0.126 ± 0.071 χ^2/NDF : 4088.7/110

- sign -0.335 ± 0.100 χ^2/NDF : 2032.4/56

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.427 ± 0.174 χ^2/NDF : 8448.8/28

Left Out: -56.680 ± 0.107 χ^2/NDF : 1014.5/24

Right Out: -69.295 ± 0.163 χ^2/NDF : 11296.8/33

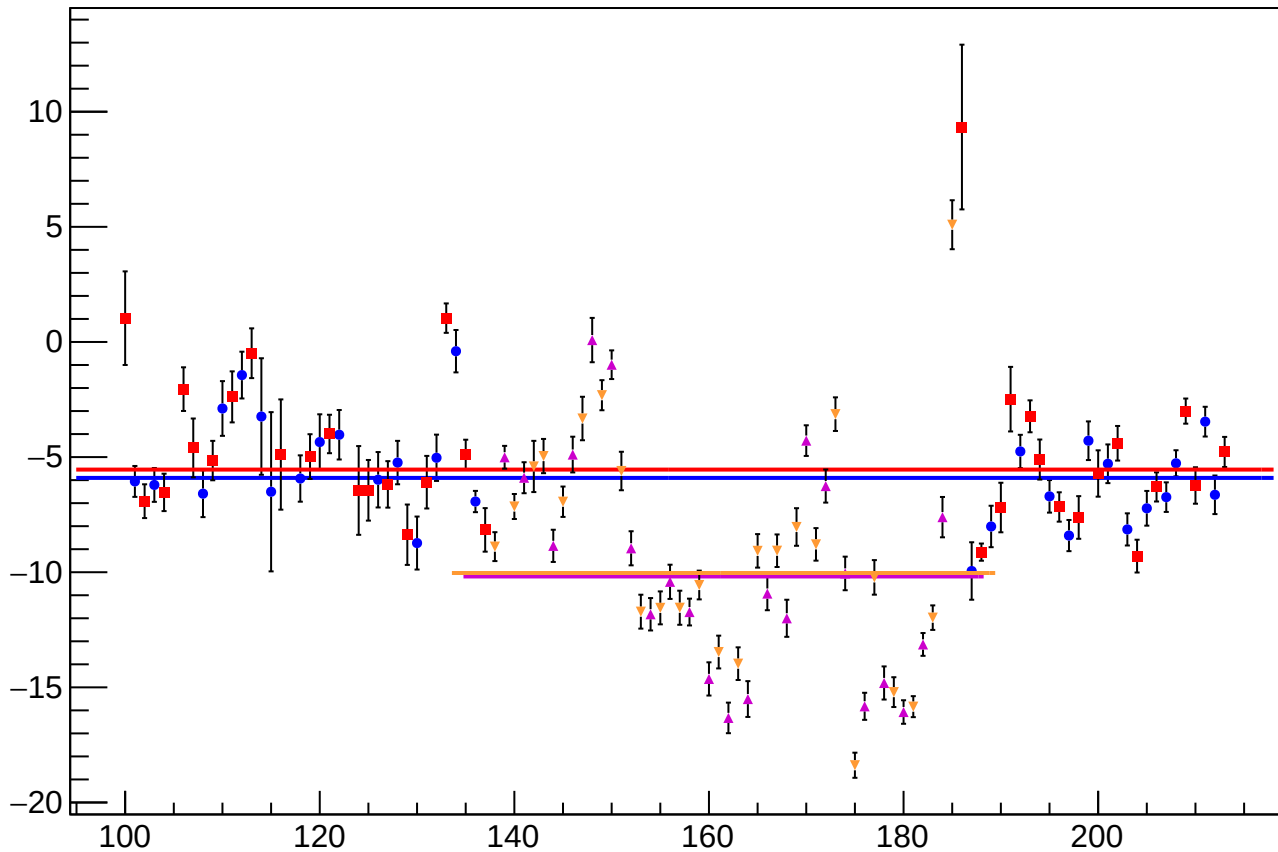
Left In: -56.765 ± 0.112 χ^2/NDF : 1108.9/22

+ sign -60.461 ± 0.091 χ^2/NDF : 13985.0/53

All: -60.628 ± 0.065 χ^2/NDF : 30428.1/110

- sign -60.797 ± 0.092 χ^2/NDF : 16436.4/56

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.904 ± 0.153 $\chi^2/\text{NDF}: 149.3/28$

Left Out: -10.034 ± 0.136 $\chi^2/\text{NDF}: 1182.4/24$

Right Out: -5.542 ± 0.141 $\chi^2/\text{NDF}: 379.2/33$

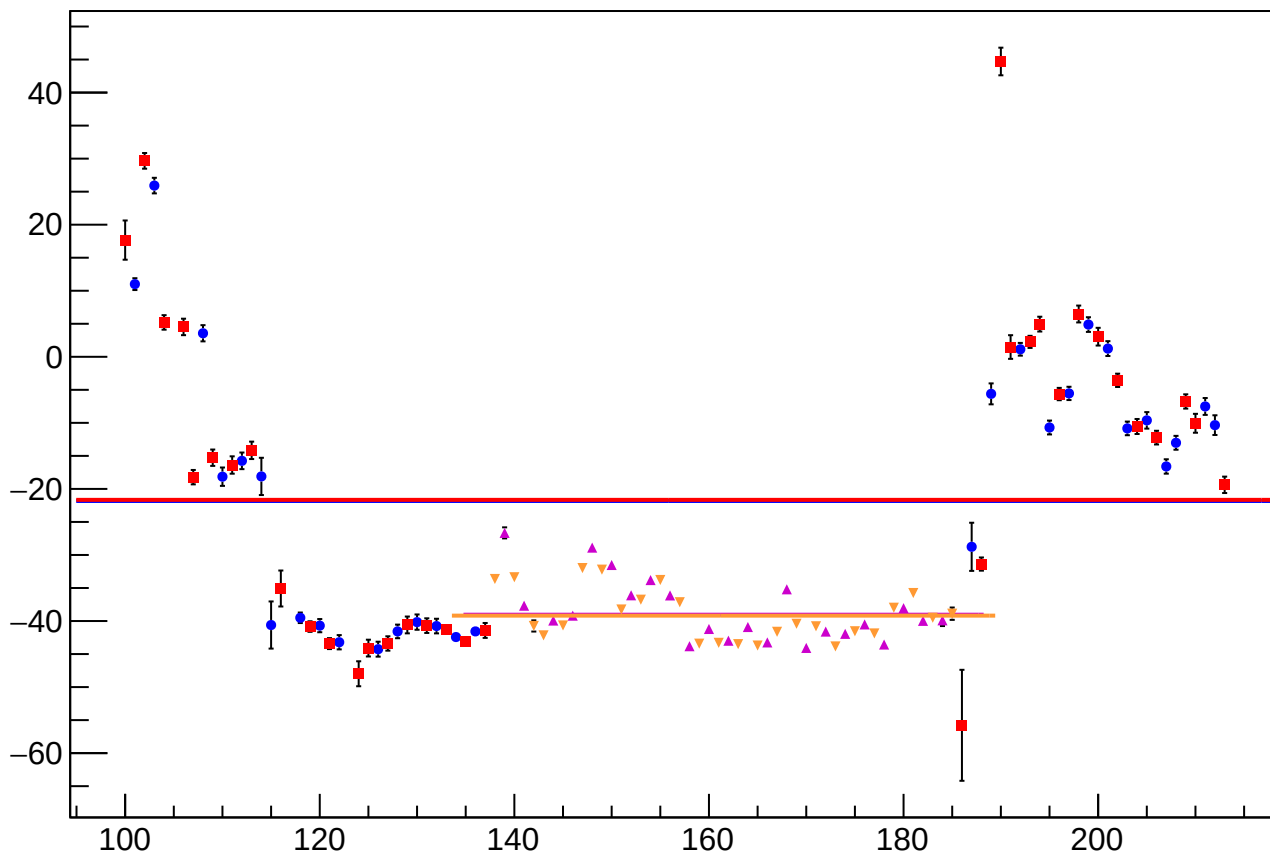
Left In: -10.184 ± 0.139 $\chi^2/\text{NDF}: 1142.6/22$

+ sign -8.204 ± 0.102 $\chi^2/\text{NDF}: 1739.1/53$

All: -8.044 ± 0.071 $\chi^2/\text{NDF}: 3815.4/110$

- sign -7.893 ± 0.099 $\chi^2/\text{NDF}: 2071.4/56$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -21.824 ± 0.198 $\chi^2/\text{NDF}: 10713.6/28$

Left Out: -39.183 ± 0.120 $\chi^2/\text{NDF}: 1034.1/24$

Right Out: -21.656 ± 0.188 $\chi^2/\text{NDF}: 12947.4/33$

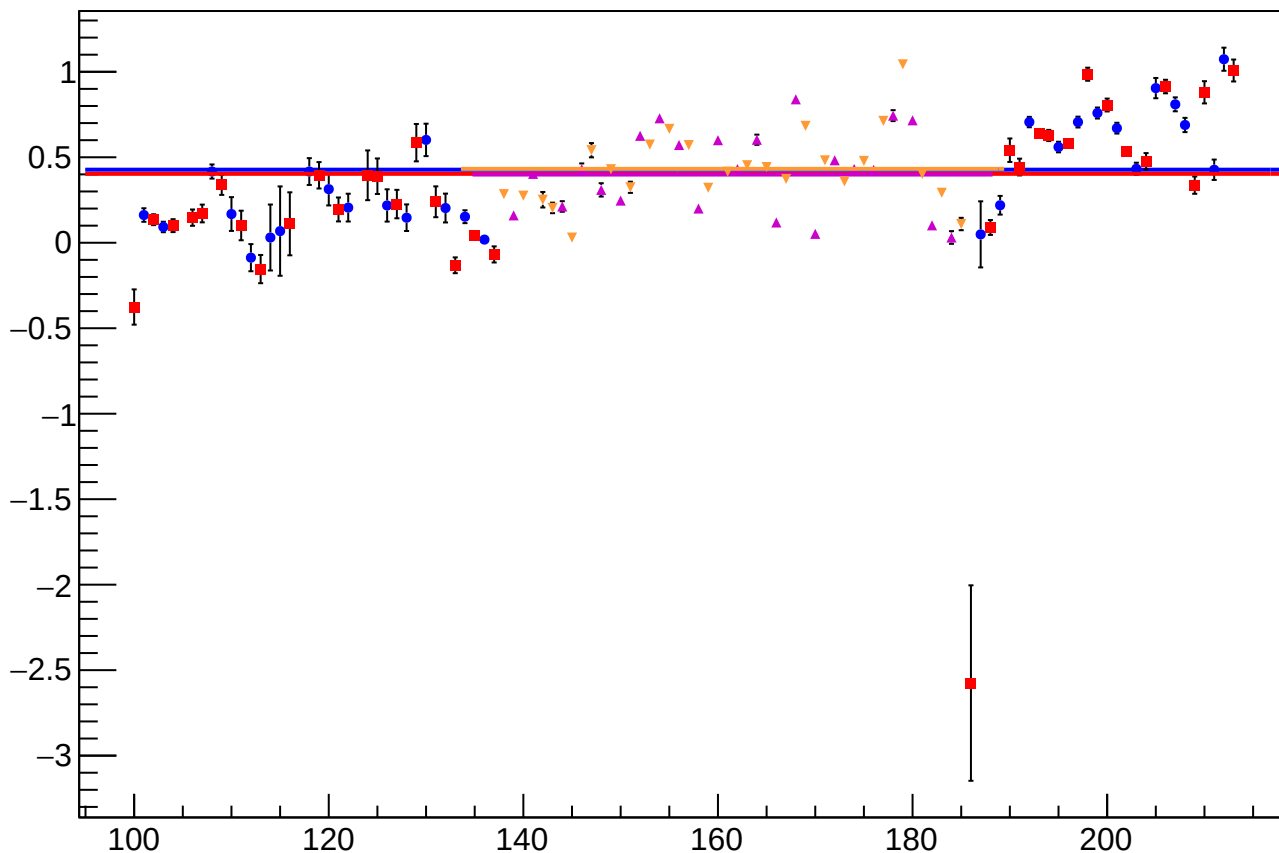
Left In: -39.044 ± 0.124 $\chi^2/\text{NDF}: 1226.4/22$

+ sign -34.518 ± 0.103 $\chi^2/\text{NDF}: 17370.2/53$

All: -34.146 ± 0.073 $\chi^2/\text{NDF}: 37515.8/110$

- sign -33.766 ± 0.104 $\chi^2/\text{NDF}: 20119.0/56$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.427 $\pm$ 0.008 χ^2 /NDF: 1316.2/28

Left Out: 0.432 $\pm$ 0.005 χ^2 /NDF:1368.7/24

Right Out: 0.403 $\pm$ 0.008 χ^2 /NDF: 1684.2/33

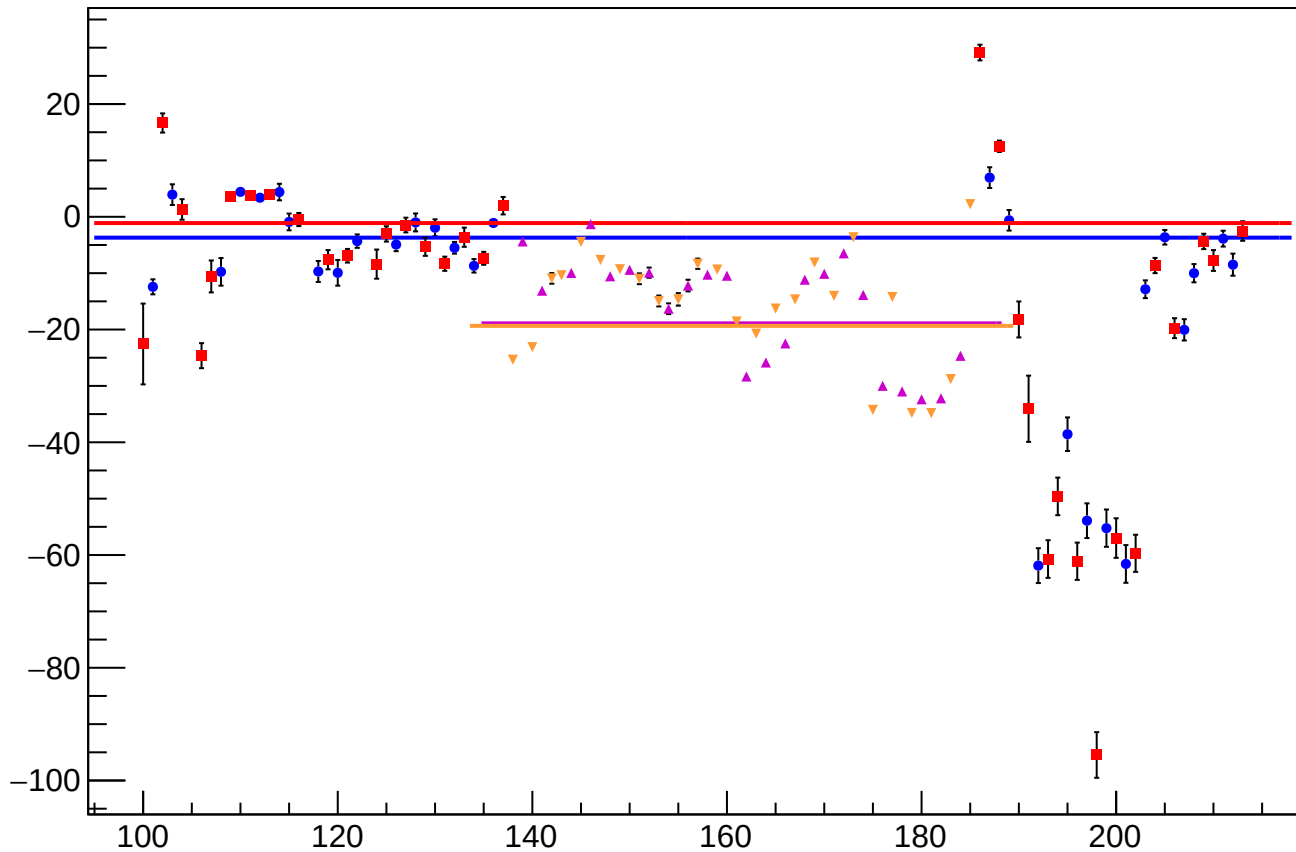
Left In: 0.399 $\pm$ 0.005 χ^2 /NDF:1923.8/22

+ sign 0.431 $\pm$ 0.004 χ^2 /NDF: 2685.1/53

All: 0.415 $\pm$ 0.003 χ^2 /NDF: 6316.9/110

- sign 0.400 $\pm$ 0.004 χ^2 /NDF: 3608.2/56

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.699 ± 0.248 $\chi^2/\text{NDF}: 1884.5/28$

Left Out: -19.347 ± 0.113 $\chi^2/\text{NDF}: 10394.7/24$

Right Out: -1.110 ± 0.234 $\chi^2/\text{NDF}: 3394.3/33$

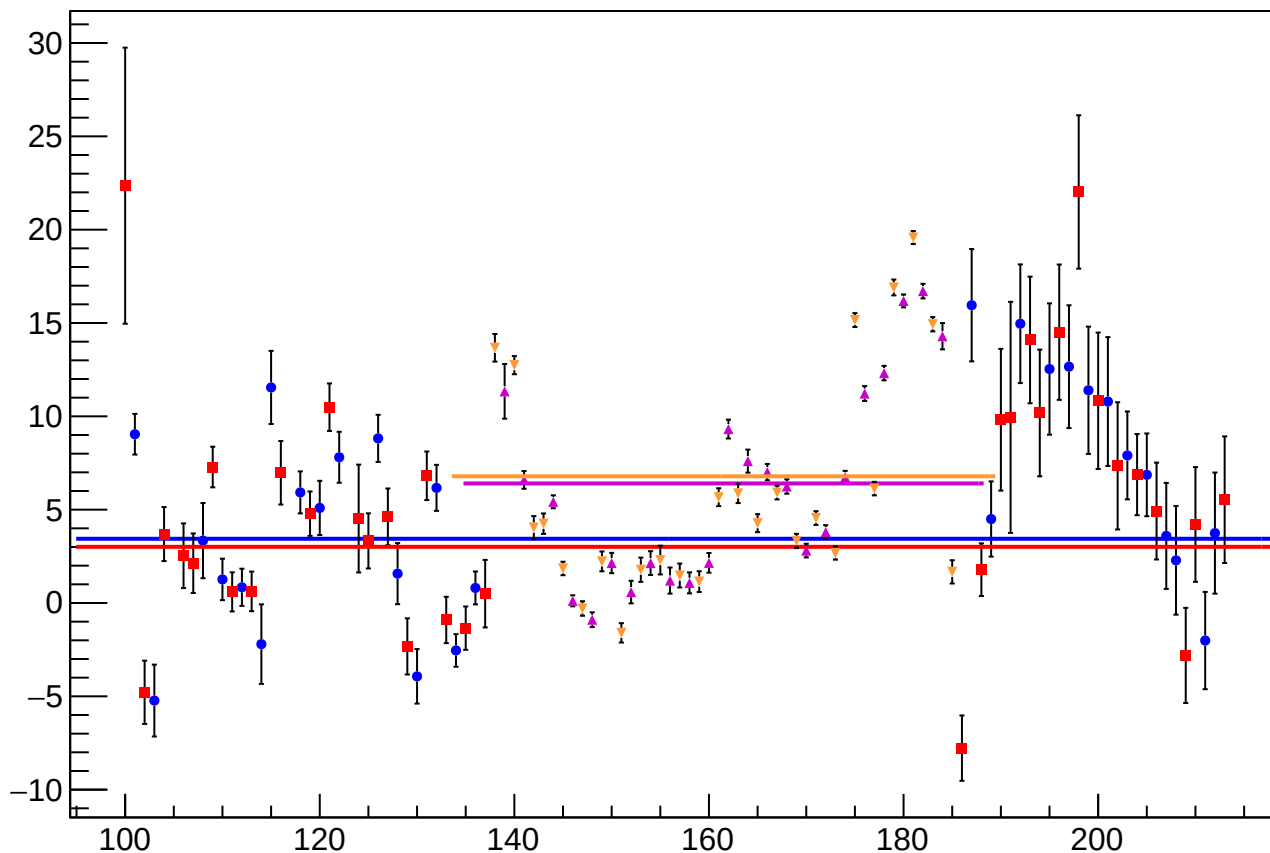
Left In: -18.902 ± 0.116 $\chi^2/\text{NDF}: 8286.2/22$

+ sign -16.646 ± 0.103 $\chi^2/\text{NDF}: 15567.7/53$

All: -16.019 ± 0.073 $\chi^2/\text{NDF}: 31966.8/110$

- sign -15.381 ± 0.104 $\chi^2/\text{NDF}: 16324.5/56$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.440 ± 0.291 χ^2/NDF : 269.2/28

Left Out: 6.788 ± 0.090 χ^2/NDF : 4632.5/24

Right Out: 3.009 ± 0.292 χ^2/NDF : 250.8/33

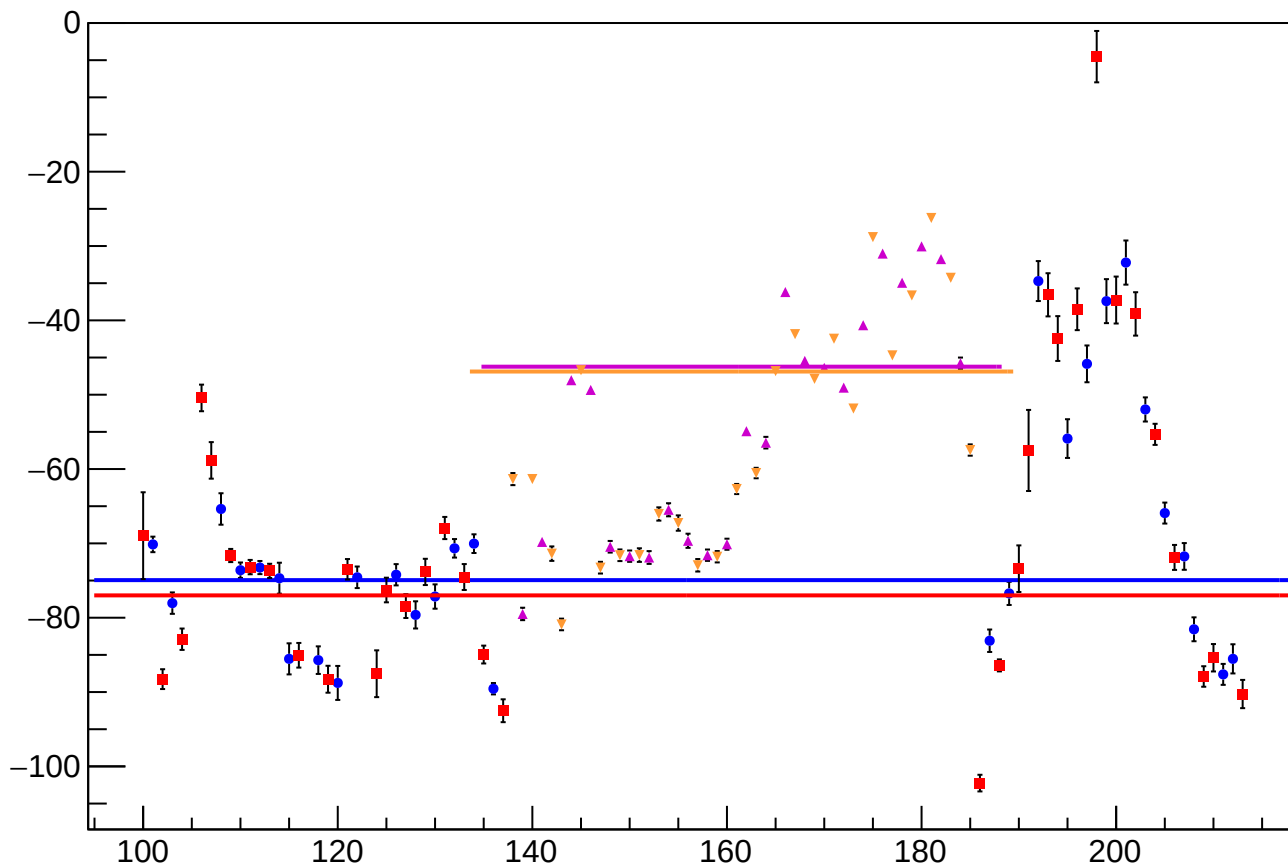
Left In: 6.404 ± 0.091 χ^2/NDF : 3410.4/22

+ sign 6.494 ± 0.086 χ^2/NDF : 5022.8/53

All: 6.300 ± 0.061 χ^2/NDF : 8817.6/110

- sign 6.102 ± 0.087 χ^2/NDF : 3784.5/56

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -74.944 ± 0.275 $\chi^2/\text{NDF}: 1732.7/28$

Left Out: -46.883 ± 0.114 $\chi^2/\text{NDF}: 17974.5/24$

Right Out: -76.996 ± 0.264 $\chi^2/\text{NDF}: 3010.7/33$

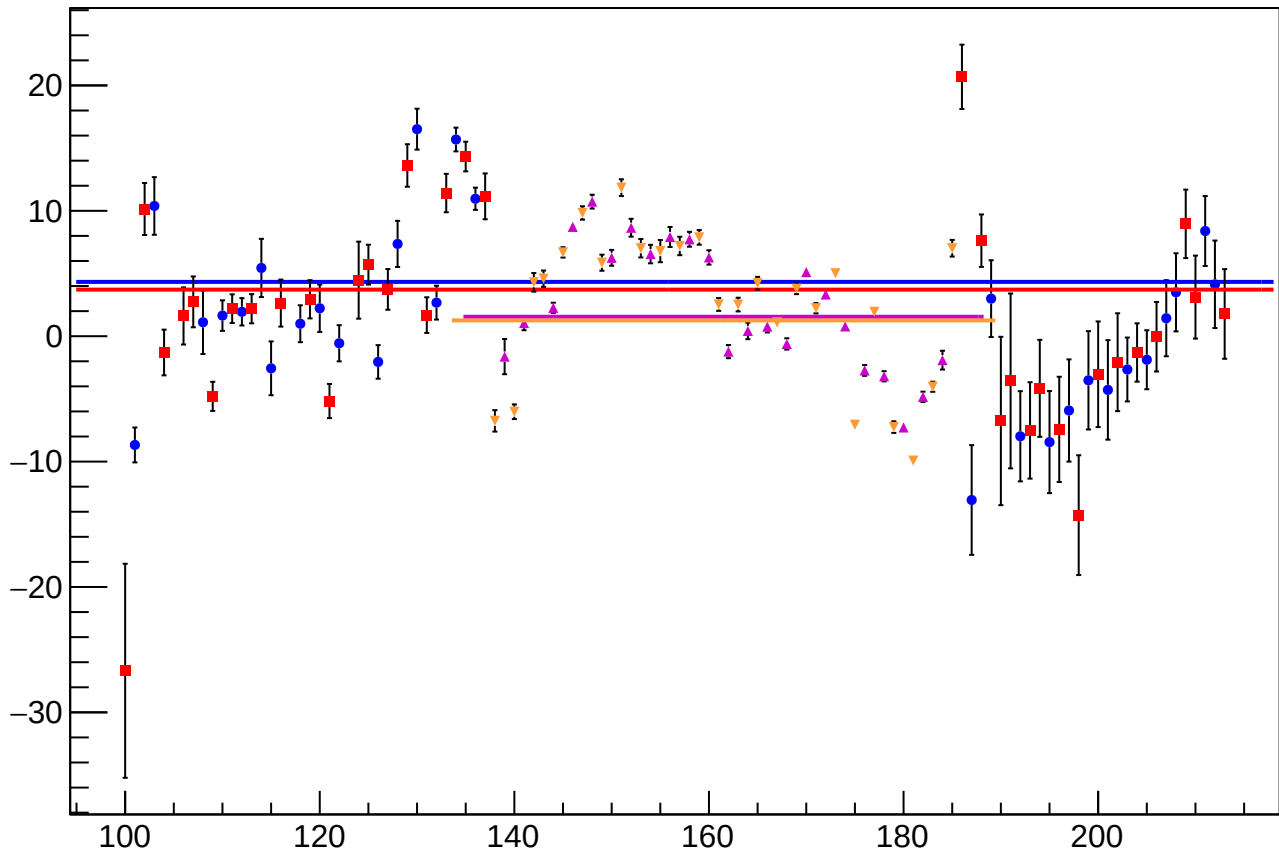
Left In: -46.231 ± 0.116 $\chi^2/\text{NDF}: 15169.3/22$

+ sign -51.002 ± 0.105 $\chi^2/\text{NDF}: 28617.5/53$

All: -51.112 ± 0.075 $\chi^2/\text{NDF}: 58165.3/110$

- sign -51.225 ± 0.106 $\chi^2/\text{NDF}: 29545.6/56$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.332 ± 0.326 χ^2/NDF : 487.8/28

Left Out: 1.261 ± 0.100 χ^2/NDF : 3445.7/24

Right Out: 3.715 ± 0.332 χ^2/NDF : 391.7/33

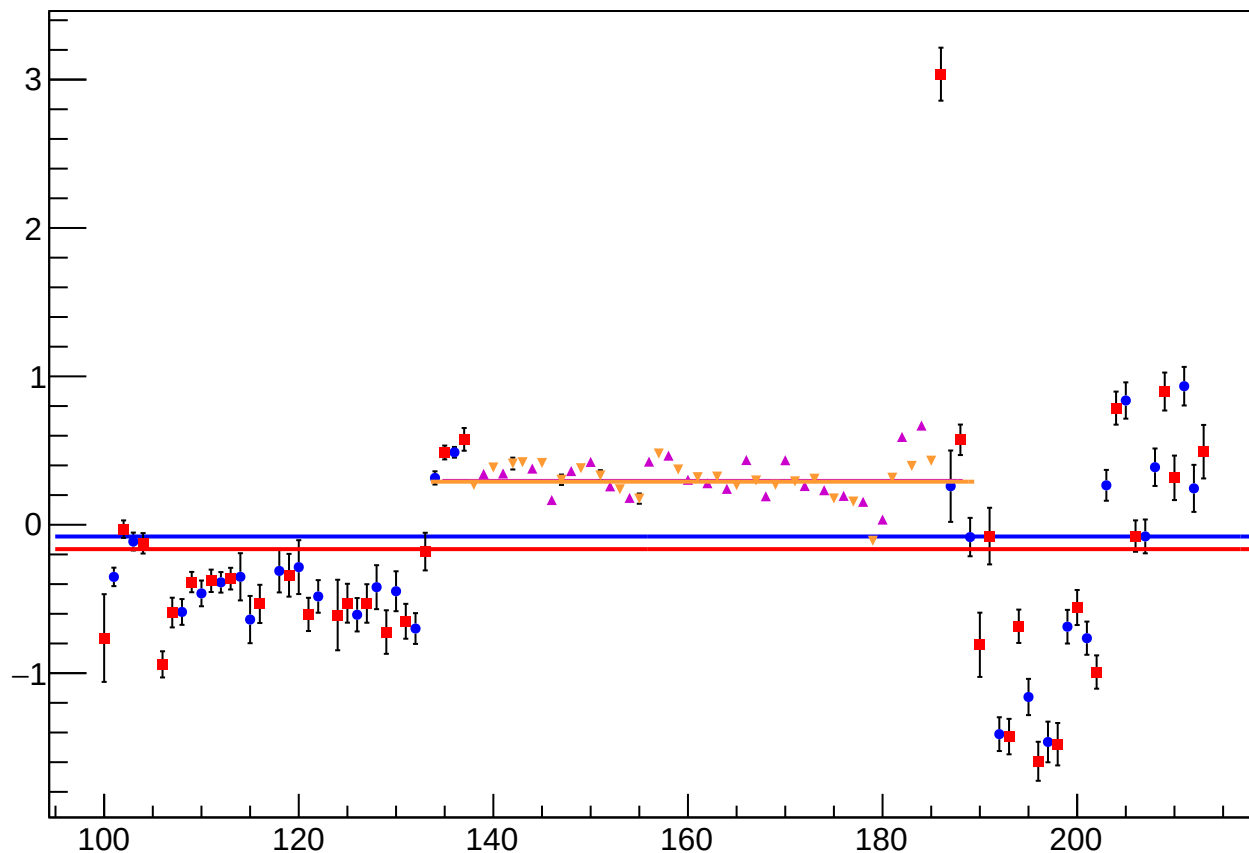
Left In: 1.551 ± 0.102 χ^2/NDF : 2335.7/22

+ sign 1.528 ± 0.096 χ^2/NDF : 4014.5/53

All: 1.631 ± 0.068 χ^2/NDF : 6783.0/110

- sign 1.737 ± 0.098 χ^2/NDF : 2766.1/56

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.017 $\chi^2/\text{NDF}: 1052.1/28$

Left Out: 0.290 ± 0.004 $\chi^2/\text{NDF}: 719.3/24$

Right Out: -0.164 ± 0.017 $\chi^2/\text{NDF}: 1444.0/33$

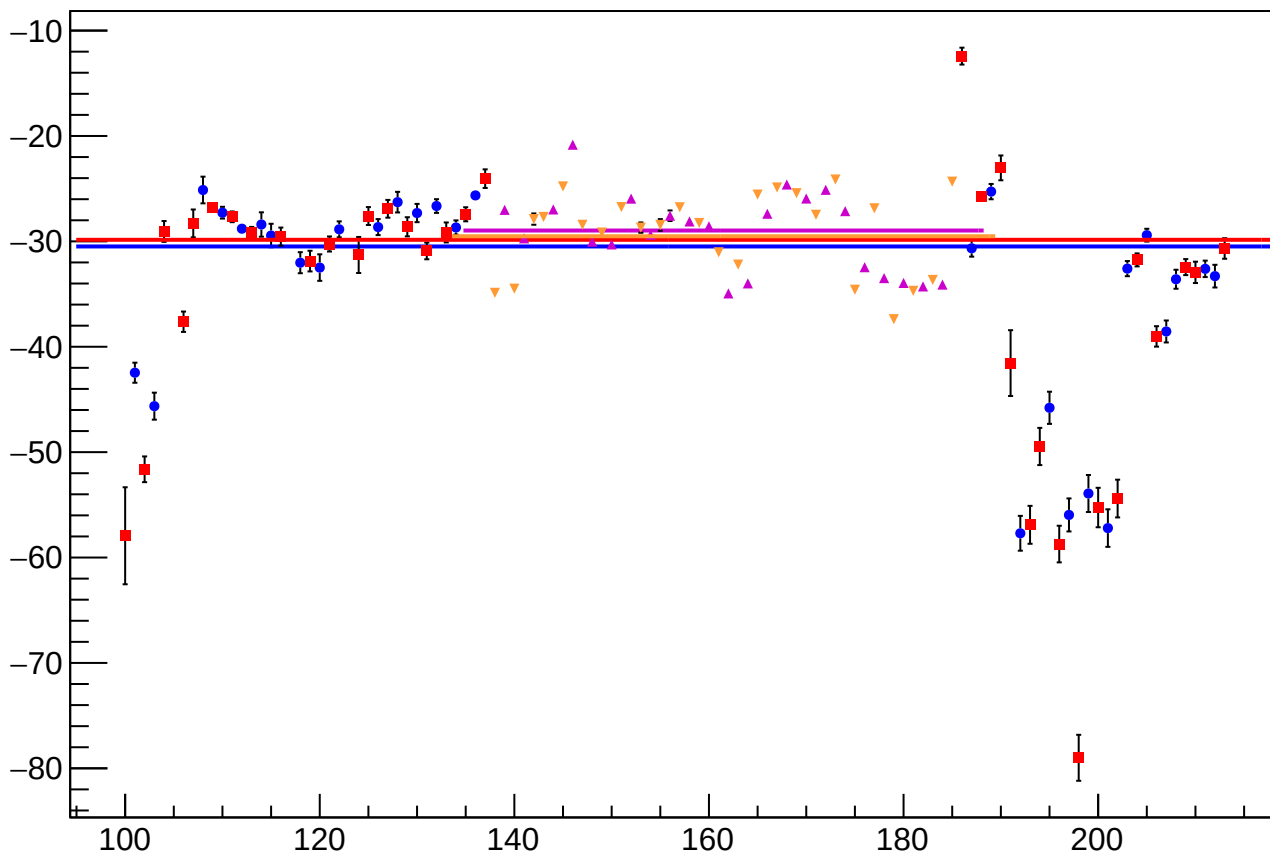
Left In: 0.295 ± 0.005 $\chi^2/\text{NDF}: 1035.4/22$

+ sign 0.265 ± 0.004 $\chi^2/\text{NDF}: 2231.7/53$

All: 0.265 ± 0.003 $\chi^2/\text{NDF}: 5370.0/110$

- sign 0.265 ± 0.004 $\chi^2/\text{NDF}: 3138.2/56$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.484 ± 0.151 χ^2/NDF : 1767.8/28

Left Out: -29.516 ± 0.056 χ^2/NDF : 6088.5/24

Right Out: -29.852 ± 0.145 χ^2/NDF : 2805.8/33

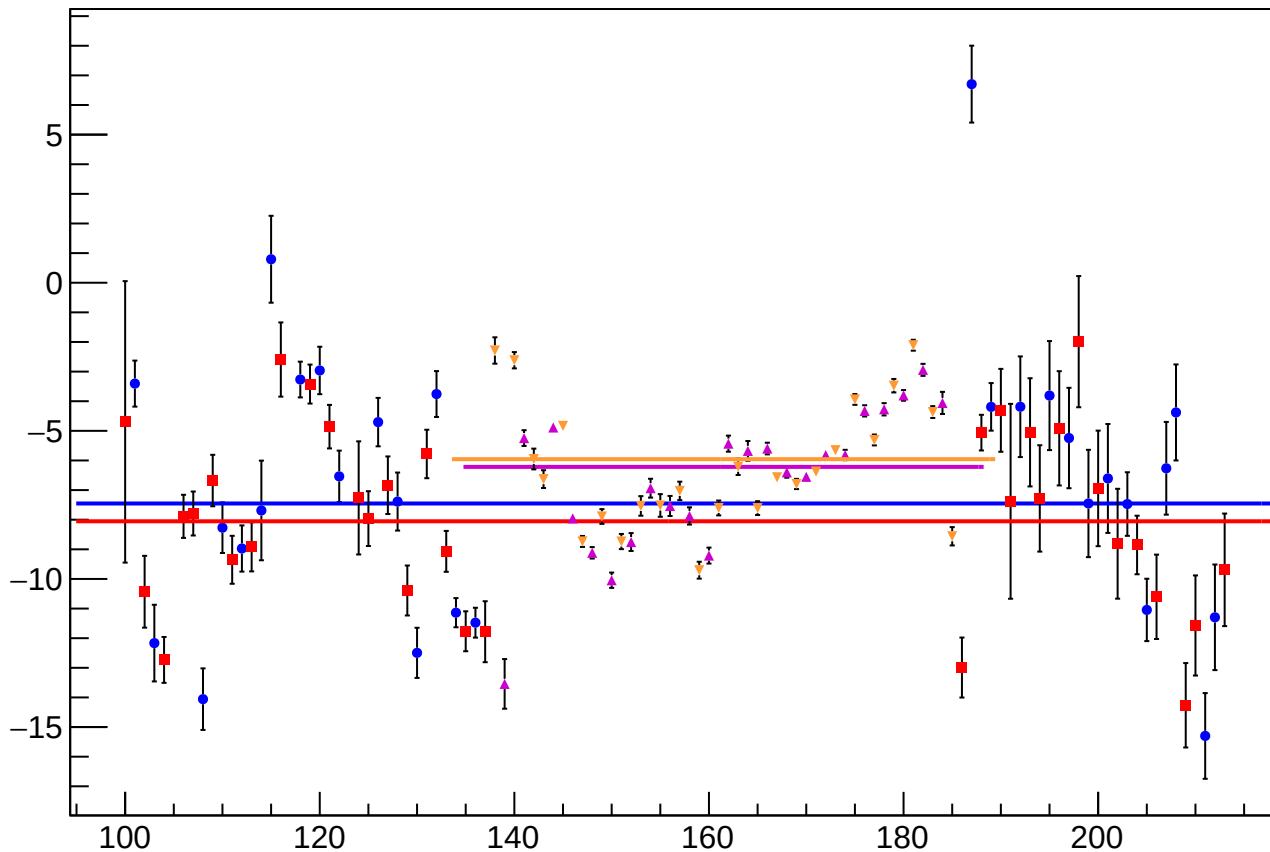
Left In: -28.971 ± 0.057 χ^2/NDF : 5348.6/22

+ sign -29.634 ± 0.053 χ^2/NDF : 7892.2/53

All: -29.362 ± 0.037 χ^2/NDF : 16131.5/110

- sign -29.088 ± 0.053 χ^2/NDF : 8186.2/56

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.452 ± 0.173 $\chi^2/\text{NDF}: 581.9/28$

Left Out: -5.956 ± 0.044 $\chi^2/\text{NDF}: 1857.8/24$

Right Out: -8.053 ± 0.170 $\chi^2/\text{NDF}: 294.7/33$

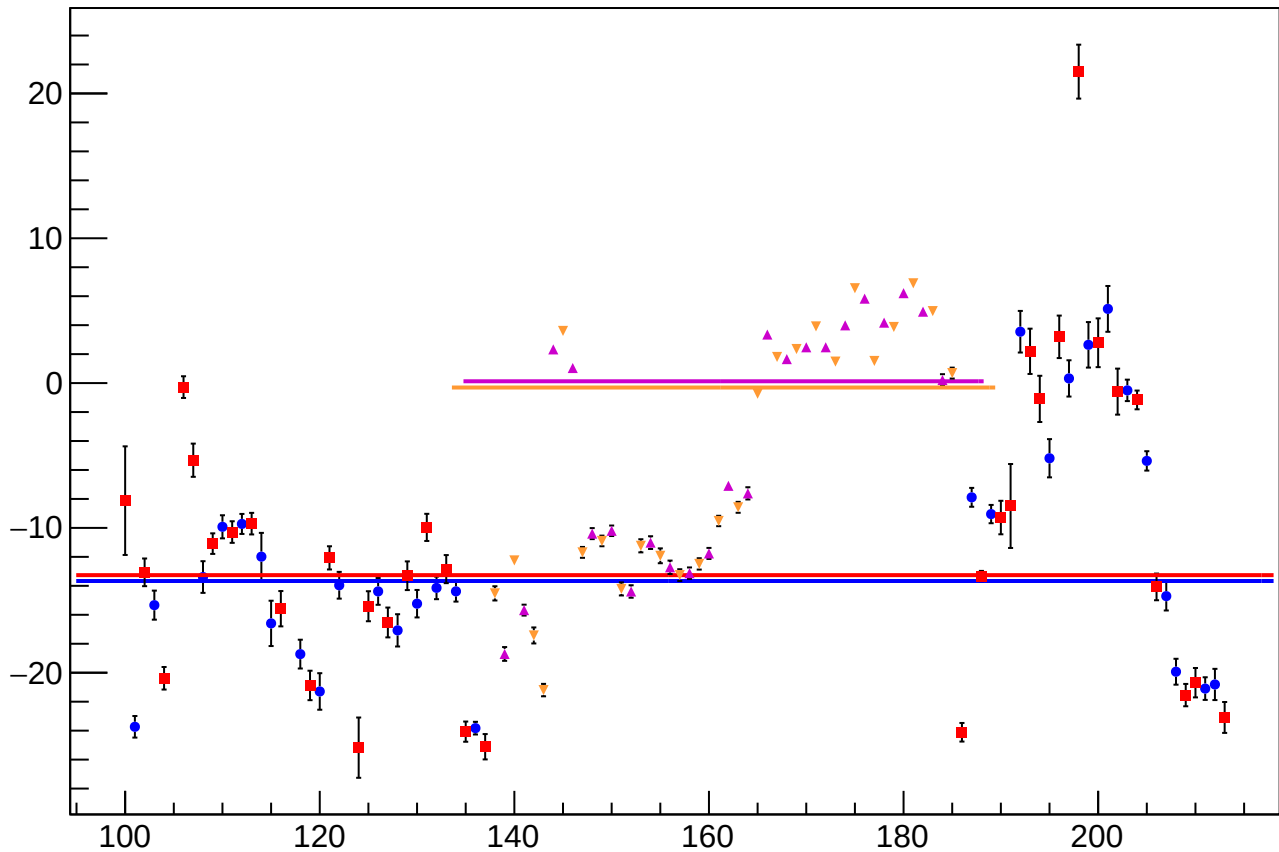
Left In: -6.217 ± 0.044 $\chi^2/\text{NDF}: 1741.8/22$

+ sign -6.049 ± 0.043 $\chi^2/\text{NDF}: 2509.9/53$

All: -6.192 ± 0.030 $\chi^2/\text{NDF}: 4677.2/110$

- sign -6.333 ± 0.043 $\chi^2/\text{NDF}: 2145.4/56$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.667 ± 0.160 χ^2/NDF : 2204.4/28

Left Out: -0.306 ± 0.057 χ^2/NDF : 17181.6/24

Right Out: -13.262 ± 0.152 χ^2/NDF : 2715.1/33

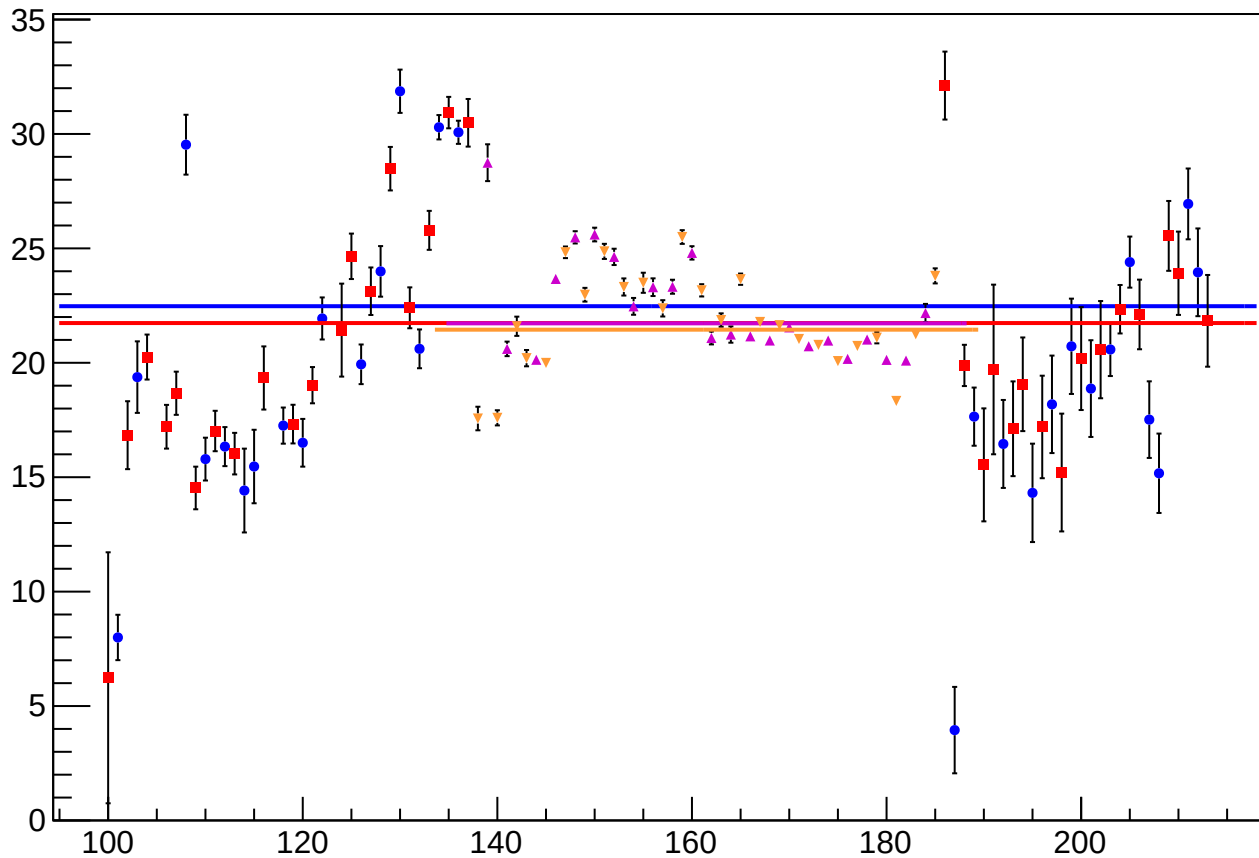
Left In: 0.125 ± 0.057 χ^2/NDF : 13838.6/22

+ sign -1.788 ± 0.053 χ^2/NDF : 25576.0/53

All: -1.661 ± 0.038 χ^2/NDF : 48978.3/110

- sign -1.534 ± 0.053 χ^2/NDF : 23391.0/56

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.473 ± 0.196 χ^2/NDF : 1203.3/28

Left Out: 21.447 ± 0.050 χ^2/NDF : 1325.2/24

Right Out: 21.737 ± 0.199 χ^2/NDF : 644.0/33

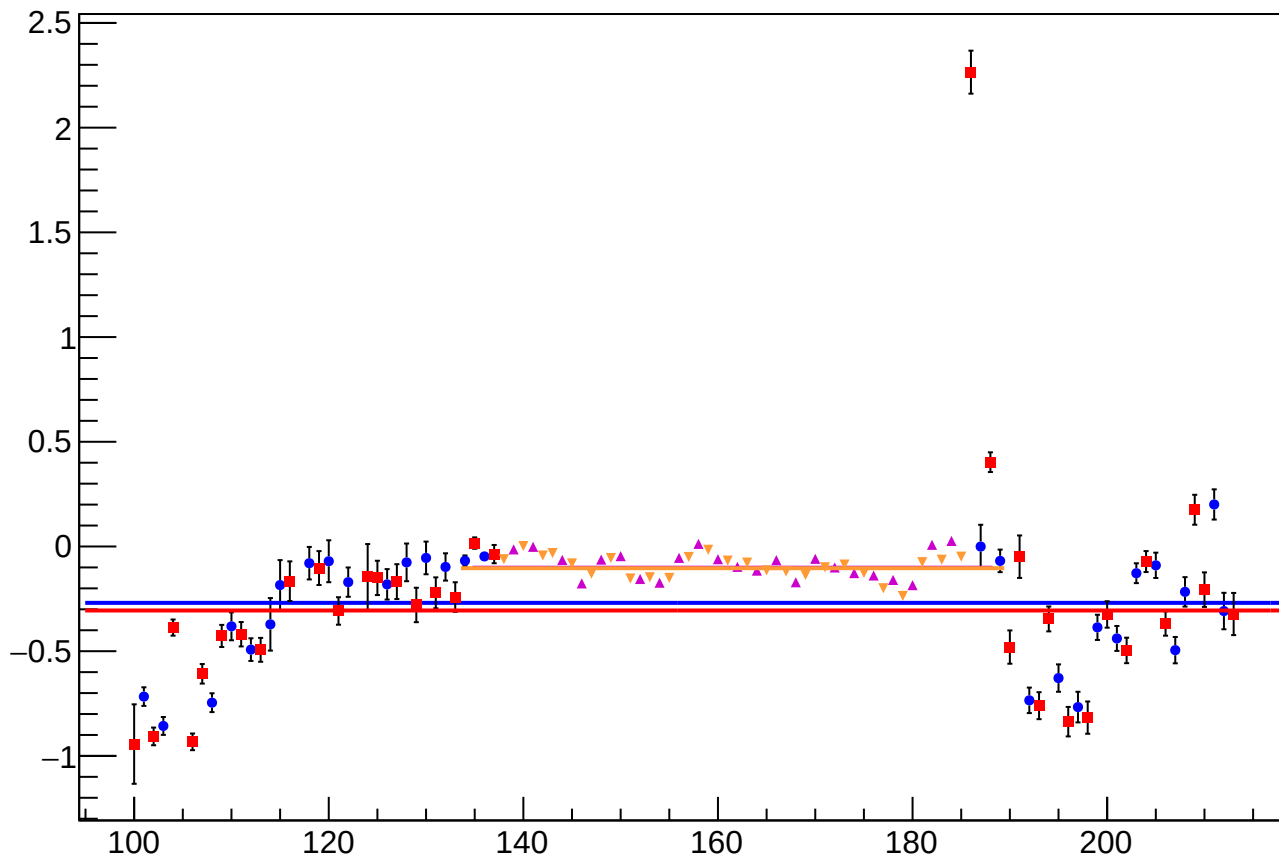
Left In: 21.725 ± 0.050 χ^2/NDF : 1173.7/22

+ sign 21.508 ± 0.048 χ^2/NDF : 2554.2/53

All: 21.617 ± 0.034 χ^2/NDF : 4382.1/110

- sign 21.726 ± 0.048 χ^2/NDF : 1817.7/56

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.269 ± 0.010 $\chi^2/\text{NDF}: 877.4/28$

Left Out: -0.104 ± 0.002 $\chi^2/\text{NDF}: 547.4/24$

Right Out: -0.306 ± 0.010 $\chi^2/\text{NDF}: 1821.2/33$

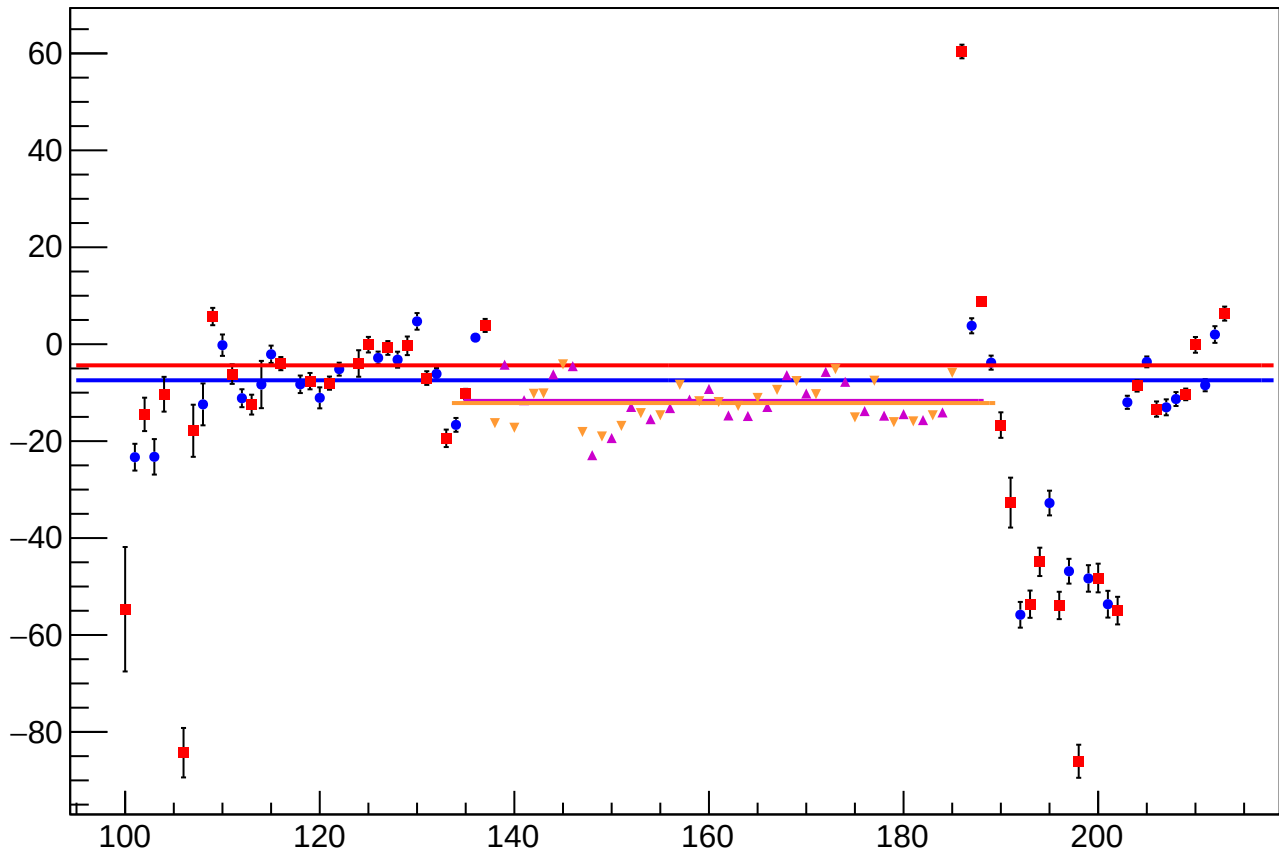
Left In: -0.101 ± 0.002 $\chi^2/\text{NDF}: 757.6/22$

+ sign -0.112 ± 0.002 $\chi^2/\text{NDF}: 1699.2/53$

All: -0.111 ± 0.002 $\chi^2/\text{NDF}: 4672.4/110$

- sign -0.111 ± 0.002 $\chi^2/\text{NDF}: 2973.1/56$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.447 ± 0.293 χ^2/NDF : 1665.4/28

Left Out: -12.143 ± 0.092 χ^2/NDF : 2130.5/24

Right Out: -4.363 ± 0.294 χ^2/NDF : 4961.9/33

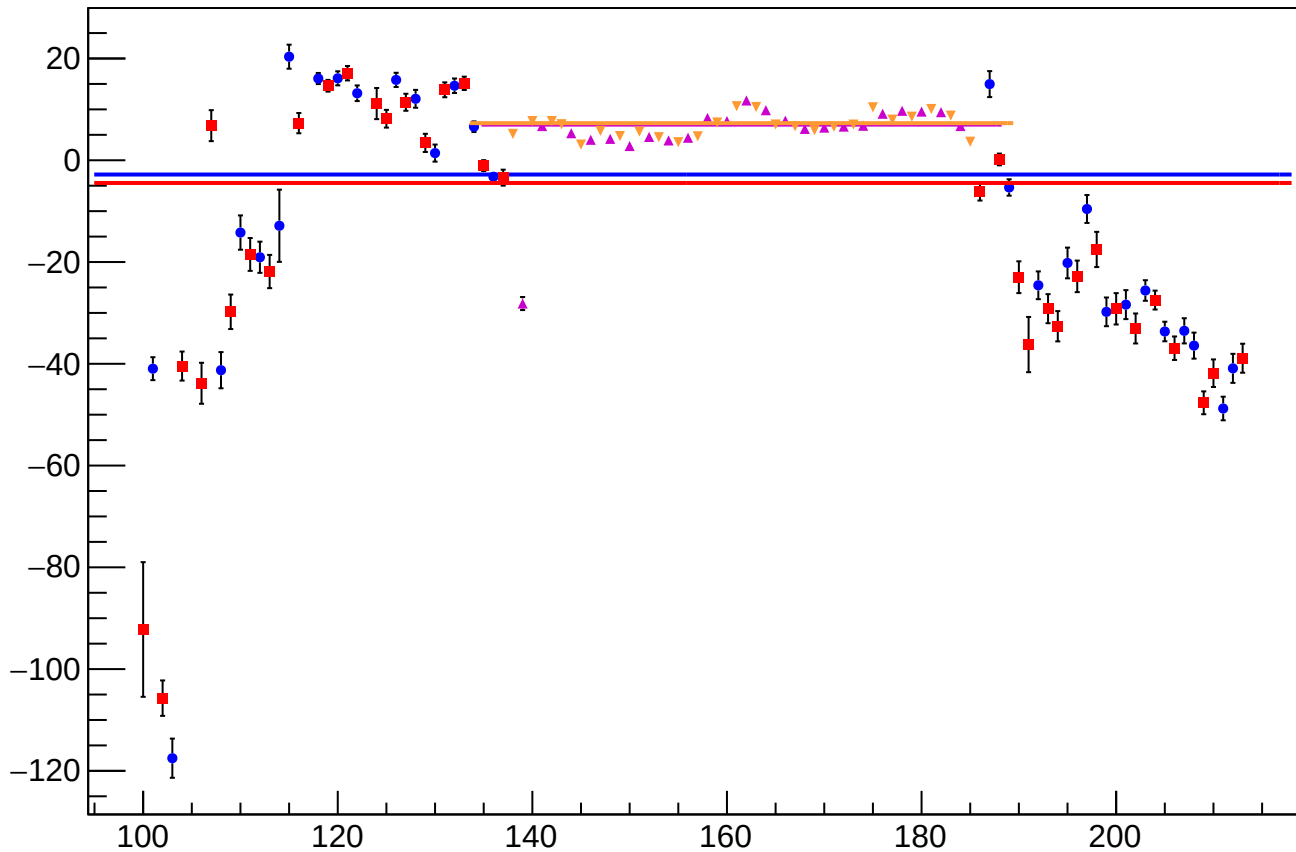
Left In: -11.698 ± 0.094 χ^2/NDF : 1951.0/22

+ sign -11.726 ± 0.087 χ^2/NDF : 4029.5/53

All: -11.379 ± 0.063 χ^2/NDF : 11539.9/110

- sign -11.013 ± 0.090 χ^2/NDF : 7478.0/56

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -2.802 ± 0.332 χ^2/NDF : 4117.7/28

Left Out: 7.297 ± 0.075 χ^2/NDF : 822.9/24

Right Out: -4.462 ± 0.345 χ^2/NDF : 3898.3/33

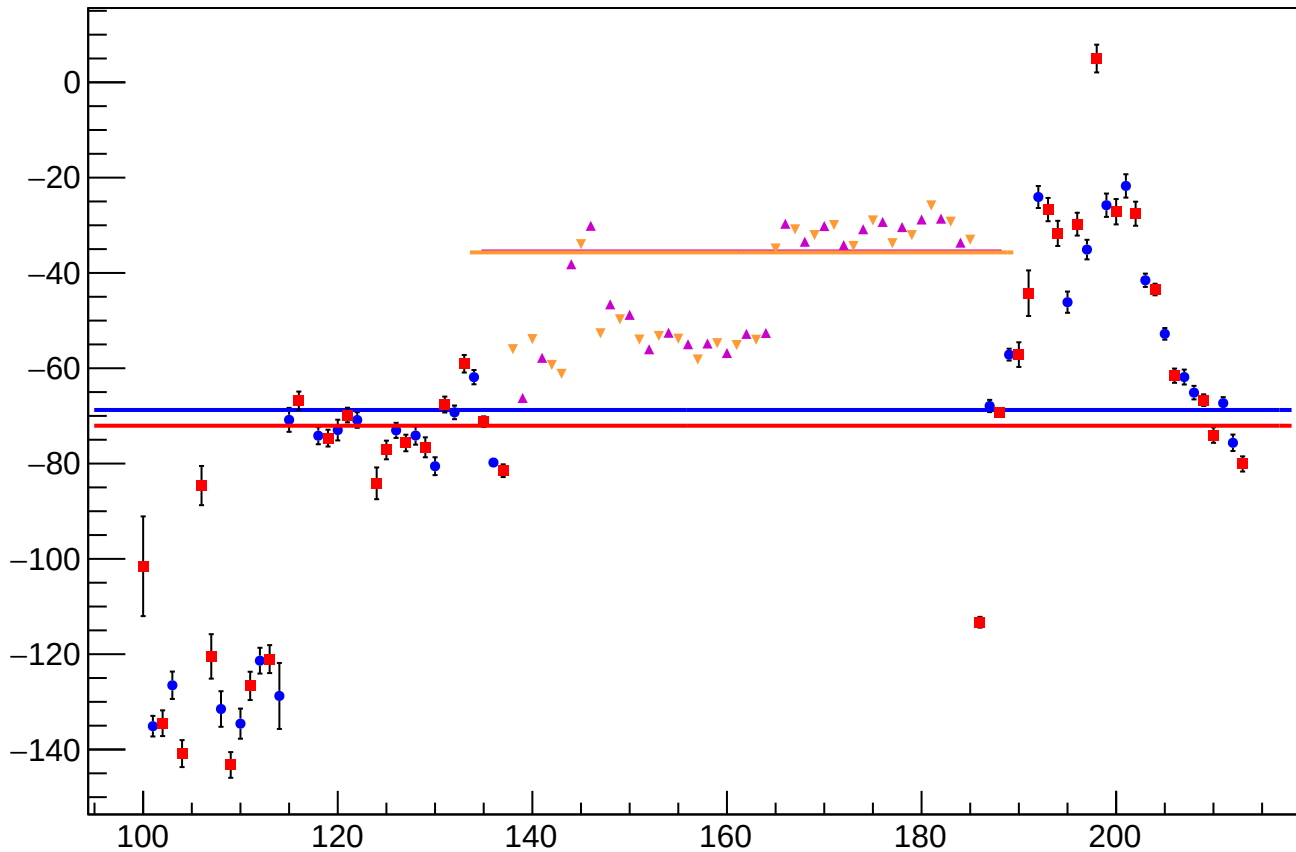
Left In: 7.004 ± 0.076 χ^2/NDF : 1576.0/22

+ sign 6.809 ± 0.073 χ^2/NDF : 5818.7/53

All: 6.644 ± 0.052 χ^2/NDF : 12355.7/110

- sign 6.474 ± 0.074 χ^2/NDF : 6526.7/56

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.754 ± 0.301 $\chi^2/\text{NDF}: 4971.5/28$

Left Out: -35.690 ± 0.092 $\chi^2/\text{NDF}: 12778.3/24$

Right Out: -72.061 ± 0.296 $\chi^2/\text{NDF}: 6976.1/33$

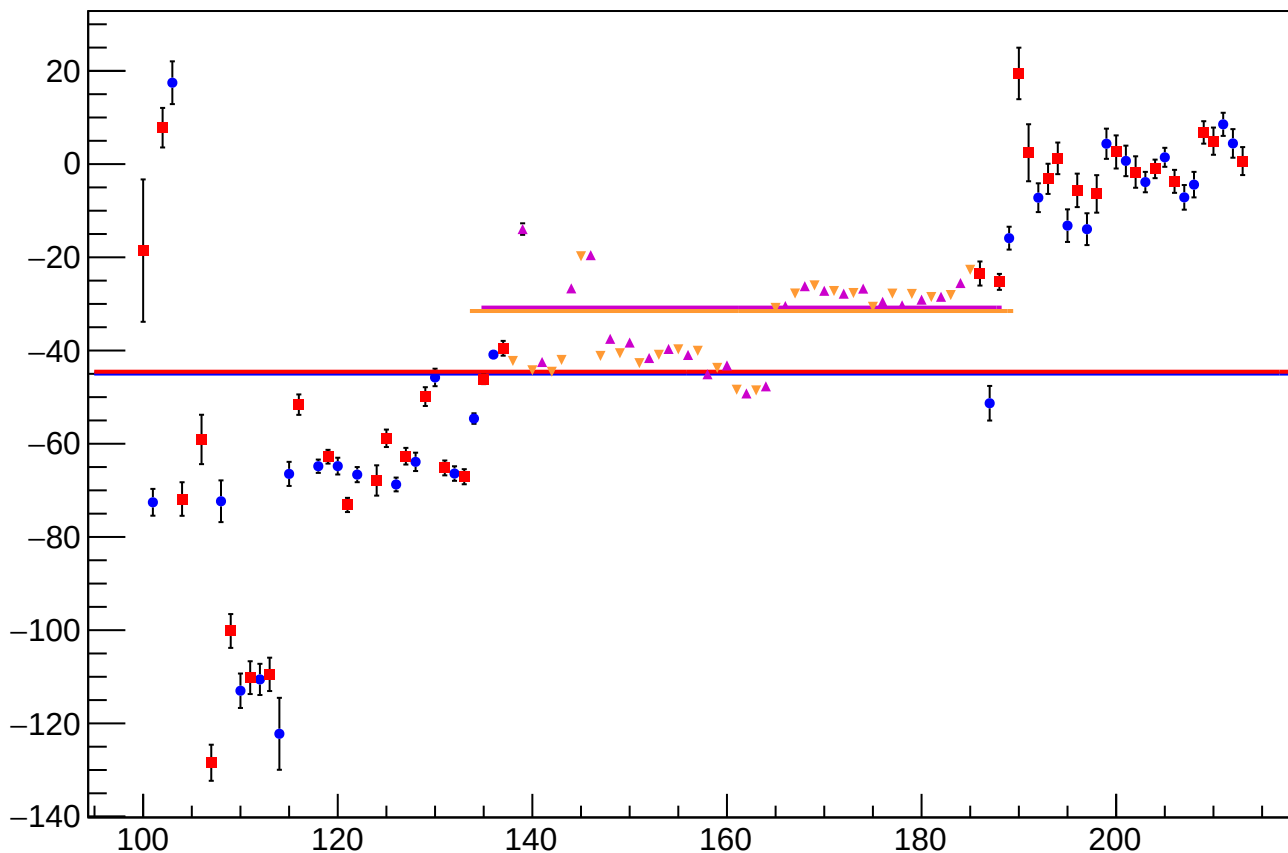
Left In: -35.497 ± 0.095 $\chi^2/\text{NDF}: 11162.0/22$

+ sign -38.526 ± 0.088 $\chi^2/\text{NDF}: 28771.0/53$

All: -38.705 ± 0.063 $\chi^2/\text{NDF}: 60792.0/110$

- sign -38.892 ± 0.090 $\chi^2/\text{NDF}: 32012.6/56$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -44.943 ± 0.372 $\chi^2/\text{NDF}: 5241.4/28$

Left Out: -31.520 ± 0.083 $\chi^2/\text{NDF}: 8457.7/24$

Right Out: -44.542 ± 0.396 $\chi^2/\text{NDF}: 5707.5/33$

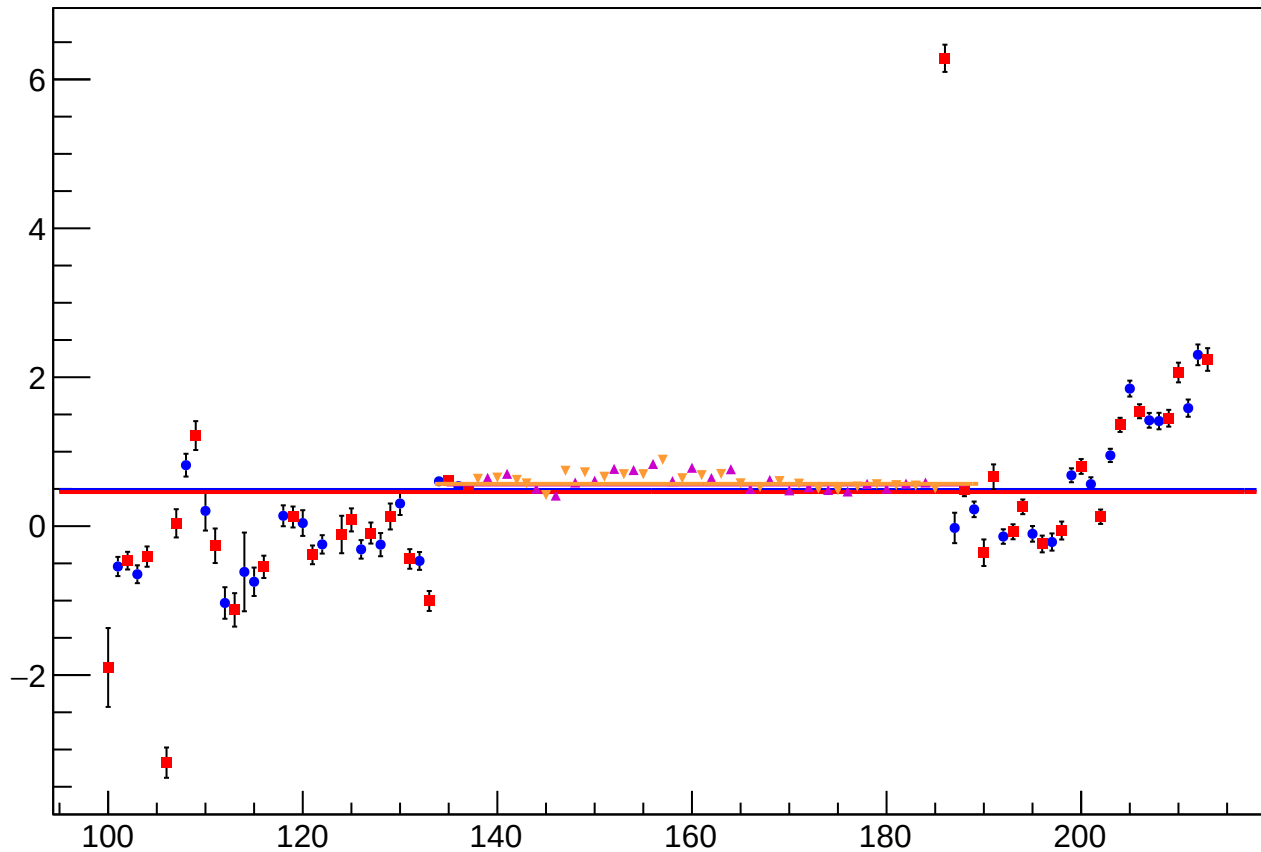
Left In: -30.789 ± 0.084 $\chi^2/\text{NDF}: 7548.8/22$

+ sign -32.152 ± 0.081 $\chi^2/\text{NDF}: 14937.2/53$

All: -31.777 ± 0.058 $\chi^2/\text{NDF}: 29392.7/110$

- sign -31.386 ± 0.082 $\chi^2/\text{NDF}: 14411.4/56$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.486 $\pm$ 0.018 χ^2 /NDF: 1173.5/28

Left Out: 0.568 $\pm$ 0.004 χ^2 /NDF:554.5/24

Right Out: 0.458 $\pm$ 0.020 χ^2 /NDF: 2558.5/33

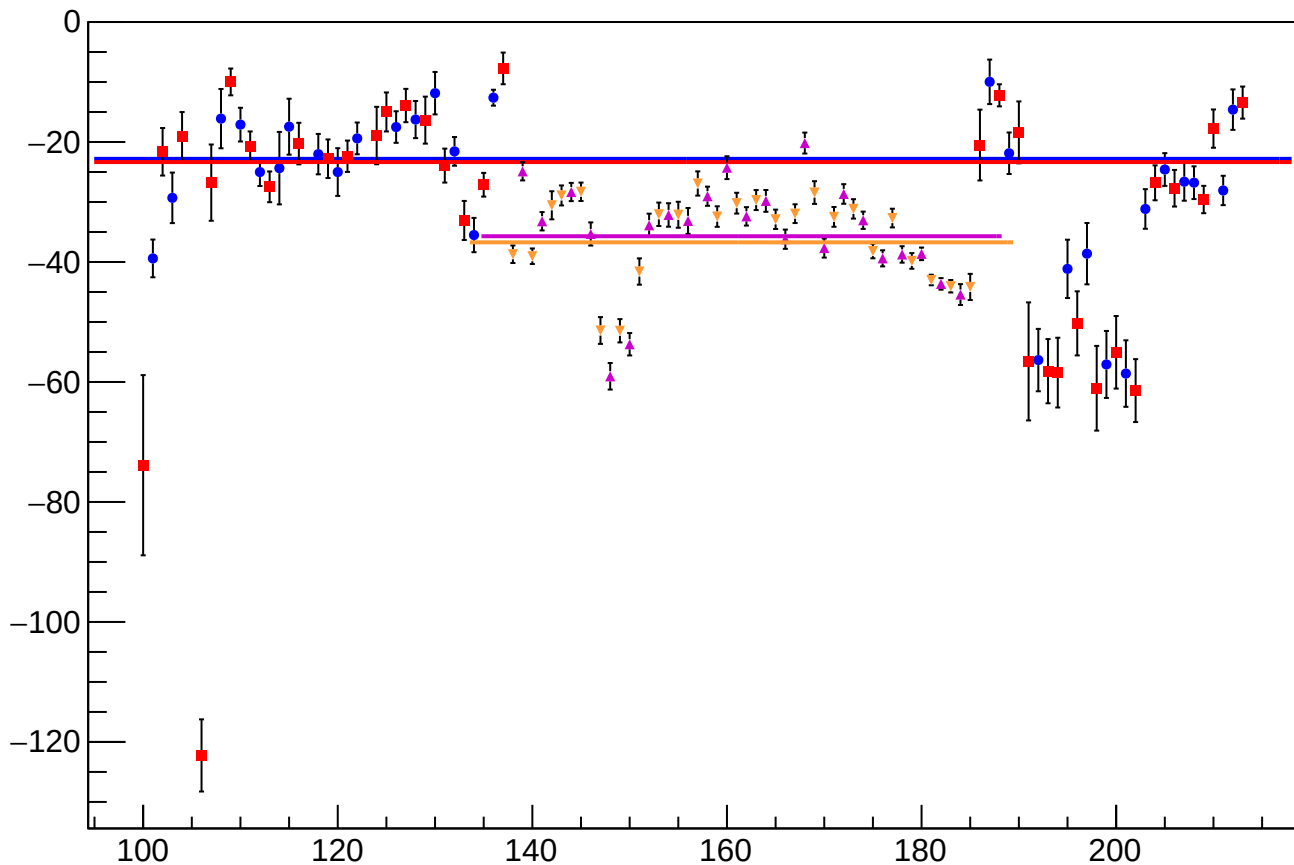
Left In: 0.560 $\pm$ 0.004 χ^2 /NDF:671.5/22

+ sign 0.565 $\pm$ 0.004 χ^2 /NDF: 1747.8/53

All: 0.561 $\pm$ 0.003 χ^2 /NDF: 5006.7/110

- sign 0.556 $\pm$ 0.004 χ^2 /NDF: 3256.1/56

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.809 ± 0.566 χ^2/NDF : 315.4/28

Left Out: -36.724 ± 0.310 χ^2/NDF : 420.8/24

Right Out: -23.344 ± 0.561 χ^2/NDF : 683.2/33

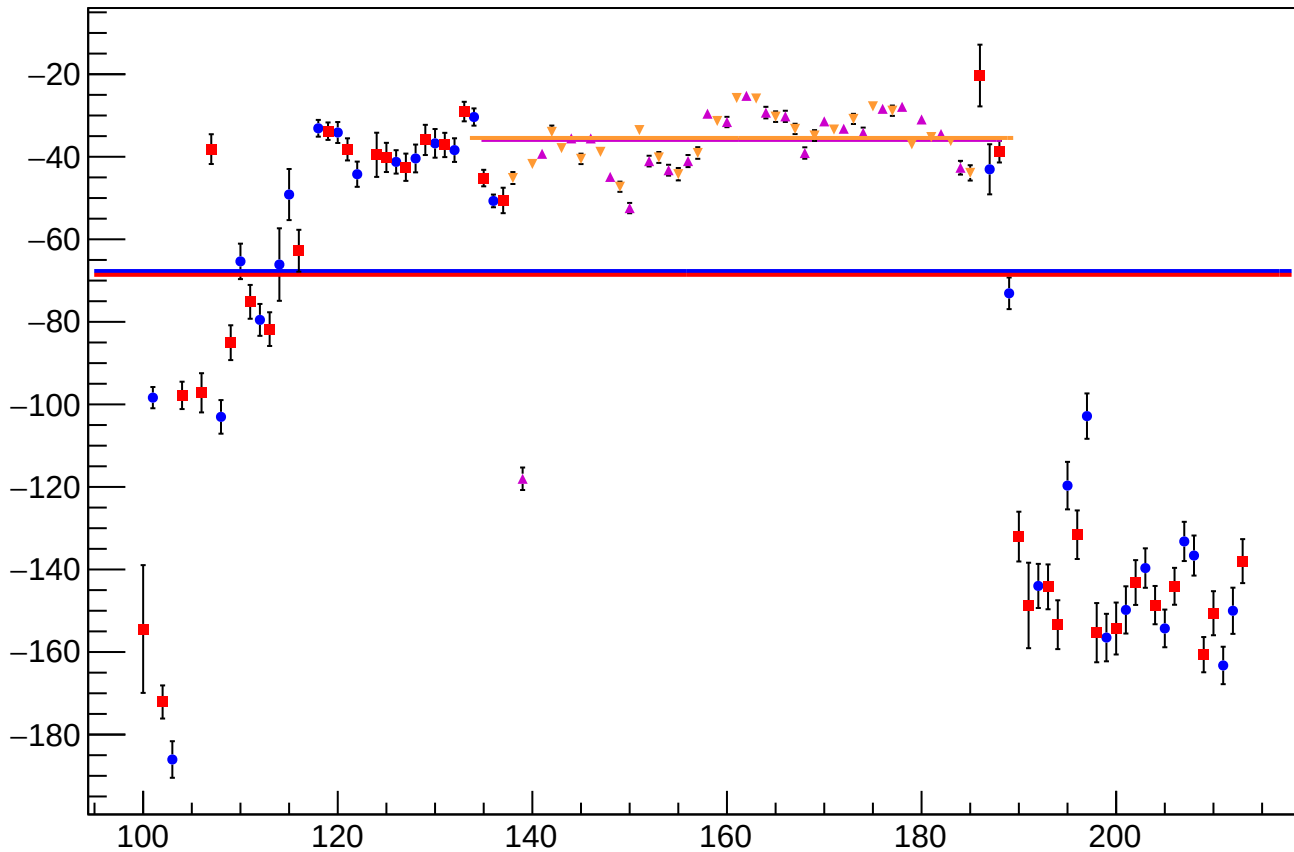
Left In: -35.706 ± 0.323 χ^2/NDF : 578.6/22

+ sign -33.507 ± 0.272 χ^2/NDF : 1201.5/53

All: -33.080 ± 0.195 χ^2/NDF : 2832.7/110

- sign -32.628 ± 0.280 χ^2/NDF : 1626.2/56

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -67.689 ± 0.631 $\chi^2/\text{NDF}: 4678.2/28$

Left Out: -35.442 ± 0.245 $\chi^2/\text{NDF}: 537.8/24$

Right Out: -68.599 ± 0.648 $\chi^2/\text{NDF}: 4940.7/33$

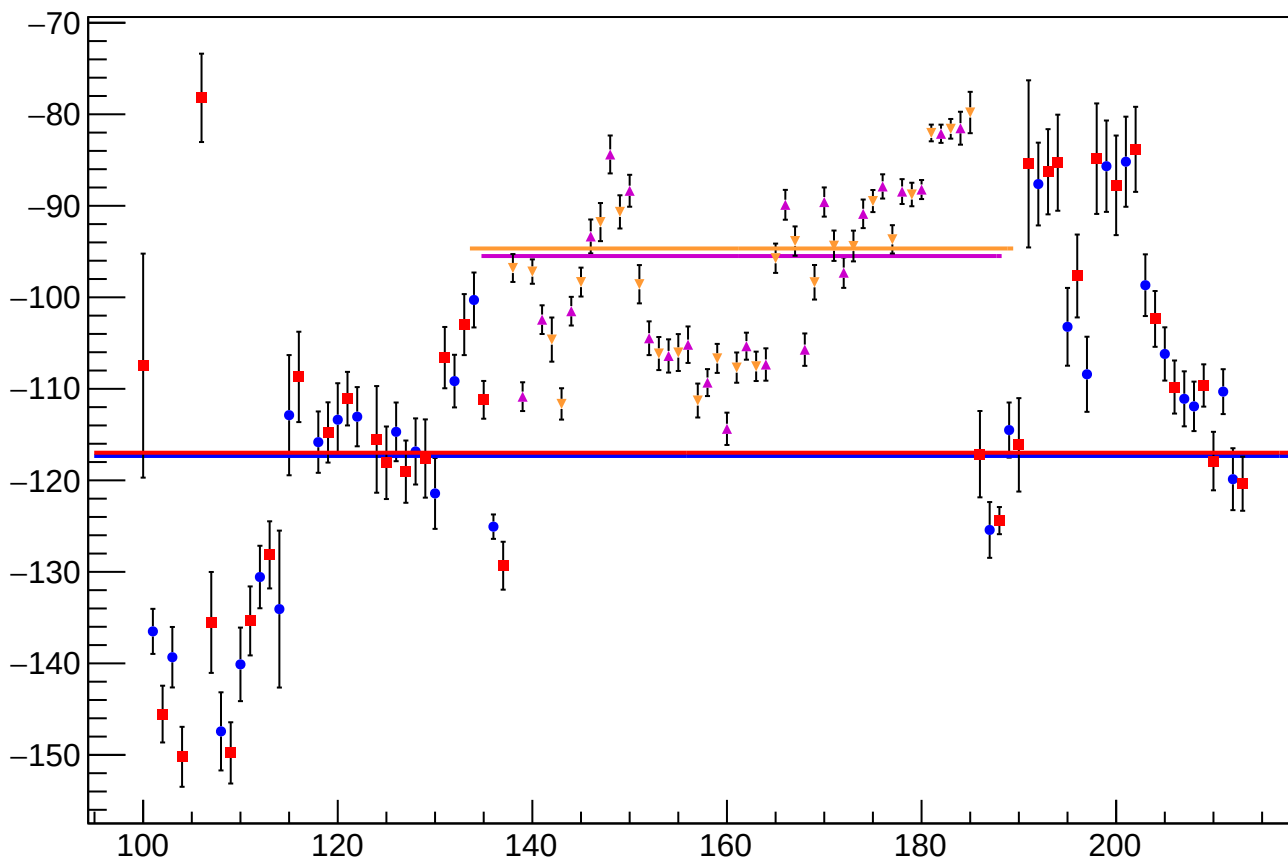
Left In: -35.913 ± 0.256 $\chi^2/\text{NDF}: 1543.1/22$

+ sign -39.657 ± 0.228 $\chi^2/\text{NDF}: 7482.8/53$

All: -39.977 ± 0.165 $\chi^2/\text{NDF}: 16168.5/110$

- sign -40.324 ± 0.238 $\chi^2/\text{NDF}: 8681.6/56$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.335 ± 0.582 $\chi^2/\text{NDF}: 496.8/28$

Left Out: -94.663 ± 0.310 $\chi^2/\text{NDF}: 900.1/24$

Right Out: -116.980 ± 0.580 $\chi^2/\text{NDF}: 742.2/33$

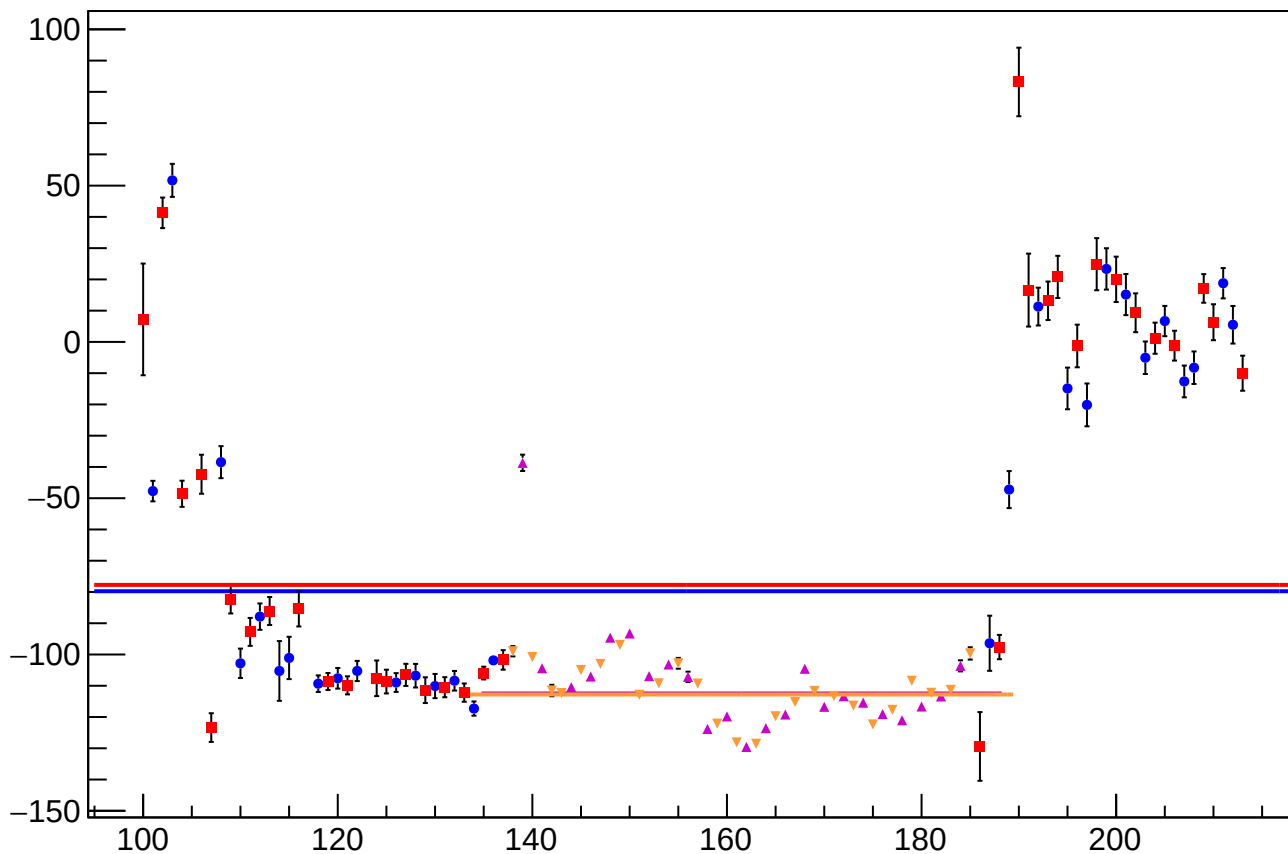
Left In: -95.489 ± 0.321 $\chi^2/\text{NDF}: 970.1/22$

+ sign -99.664 ± 0.274 $\chi^2/\text{NDF}: 2578.0/53$

All: -100.086 ± 0.196 $\chi^2/\text{NDF}: 5345.9/110$

- sign -100.532 ± 0.281 $\chi^2/\text{NDF}: 2763.0/56$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -79.759 ± 0.712 χ^2/NDF : 4232.4/28

Left Out: -112.794 ± 0.274 χ^2/NDF : 936.4/24

Right Out: -77.725 ± 0.741 χ^2/NDF : 4499.5/33

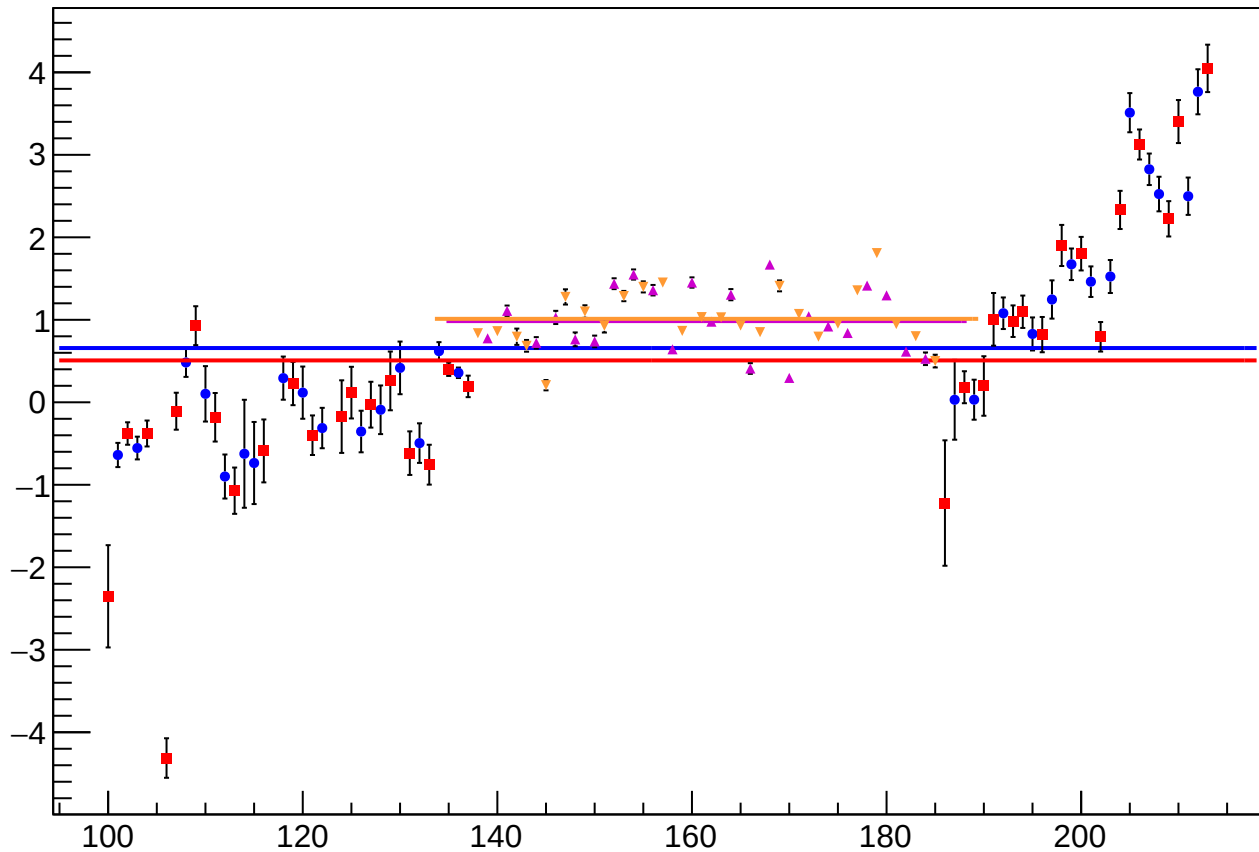
Left In: -112.465 ± 0.285 χ^2/NDF : 1788.6/22

+ sign -108.529 ± 0.256 χ^2/NDF : 7045.0/53

All: -108.272 ± 0.184 χ^2/NDF : 15250.2/110

- sign -107.993 ± 0.266 χ^2/NDF : 8203.1/56

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.658 ± 0.034 $\chi^2/\text{NDF}: 928.2/28$

Left Out: 1.012 ± 0.012 $\chi^2/\text{NDF}: 691.2/24$

Right Out: 0.508 ± 0.036 $\chi^2/\text{NDF}: 1343.7/33$

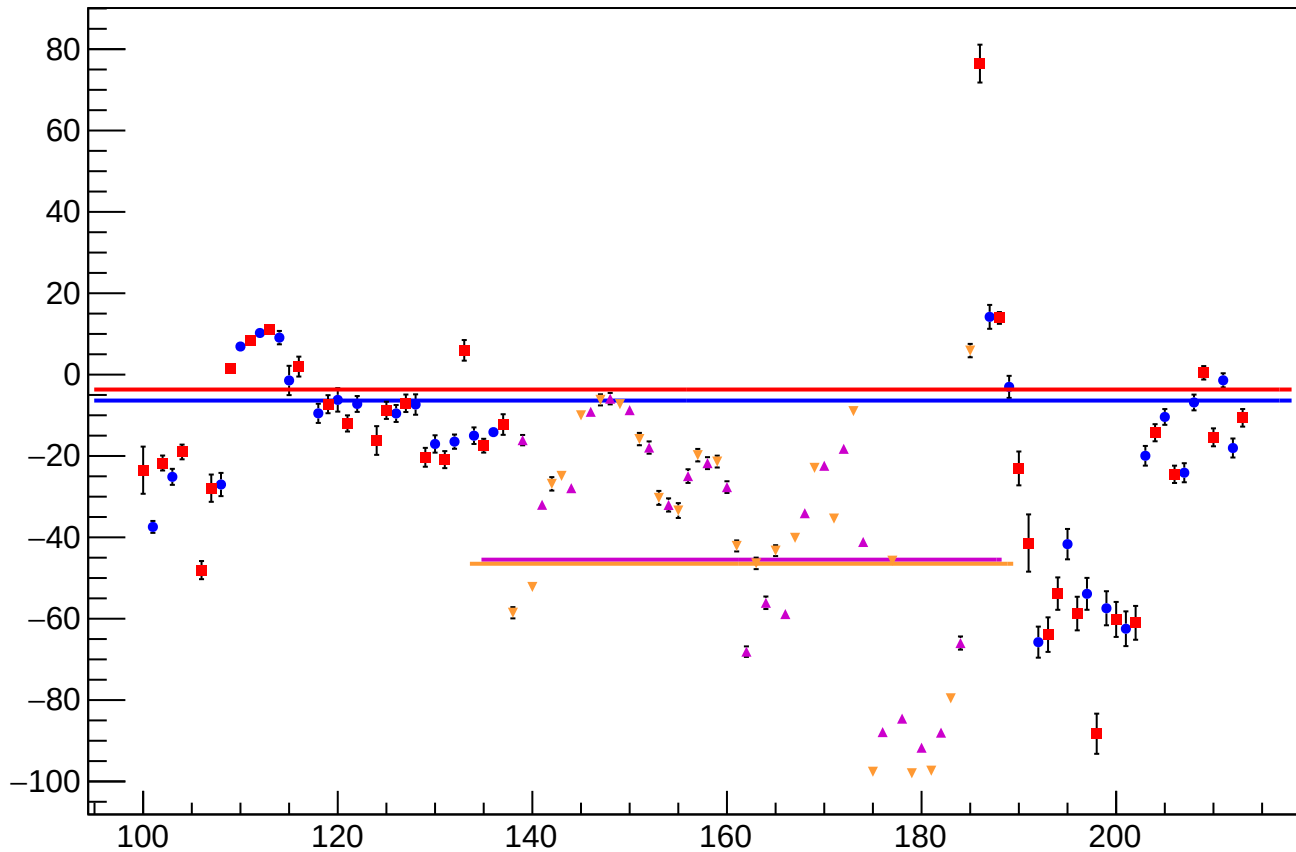
Left In: 0.984 ± 0.013 $\chi^2/\text{NDF}: 900.0/22$

+ sign 0.971 ± 0.012 $\chi^2/\text{NDF}: 1715.1/53$

All: 0.952 ± 0.008 $\chi^2/\text{NDF}: 4123.4/110$

- sign 0.932 ± 0.012 $\chi^2/\text{NDF}: 2402.6/56$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.377 ± 0.333 χ^2/NDF : 2562.5/28

Left Out: -46.493 ± 0.230 χ^2/NDF : 20046.7/24

Right Out: -3.664 ± 0.303 χ^2/NDF : 3419.9/33

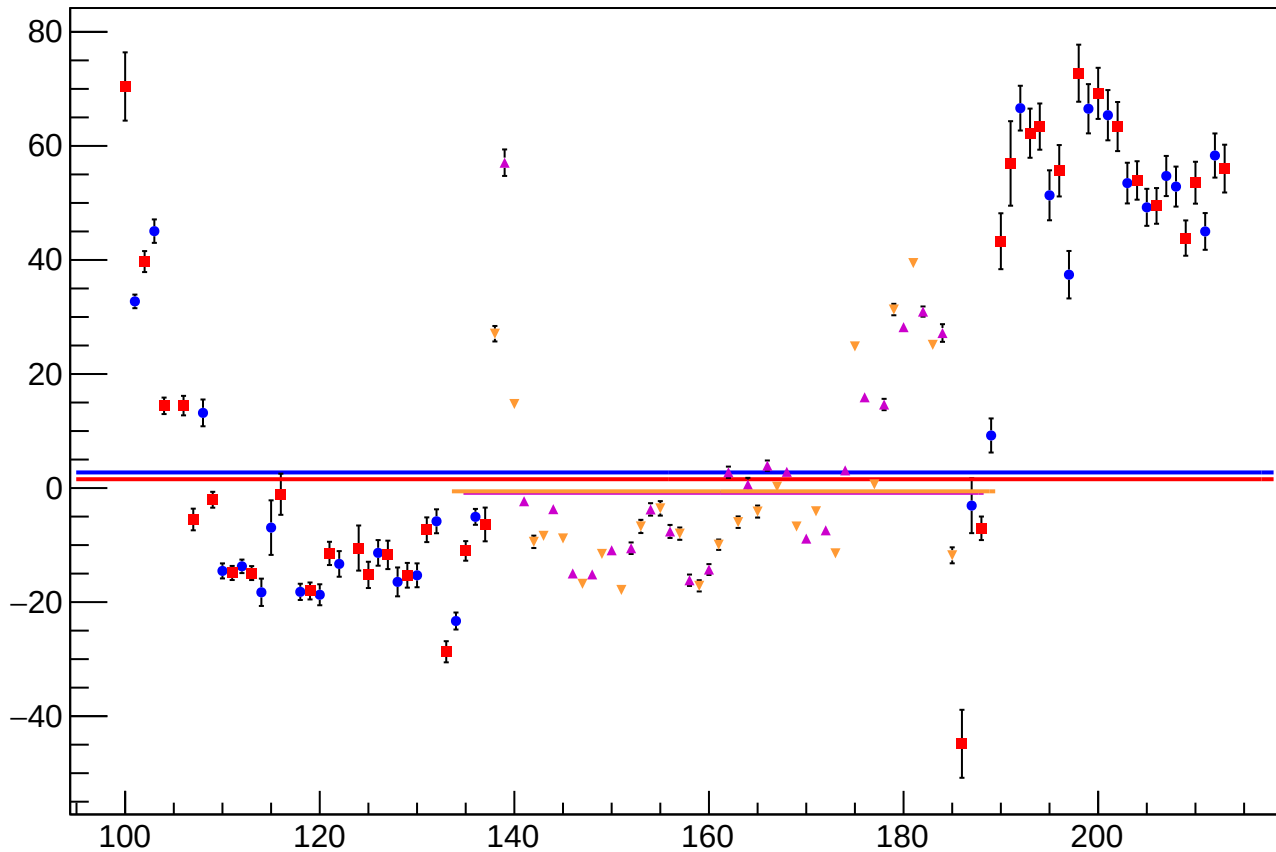
Left In: -45.487 ± 0.238 χ^2/NDF : 15571.1/22

+ sign -33.535 ± 0.189 χ^2/NDF : 32428.5/53

All: -31.521 ± 0.133 χ^2/NDF : 63437.6/110

- sign -29.555 ± 0.187 χ^2/NDF : 30785.4/56

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 2.741 ± 0.398 $\chi^2/\text{NDF}: 4540.2/28$

Left Out: -0.572 ± 0.177 $\chi^2/\text{NDF}: 8451.5/24$

Right Out: 1.552 ± 0.387 $\chi^2/\text{NDF}: 4236.9/33$

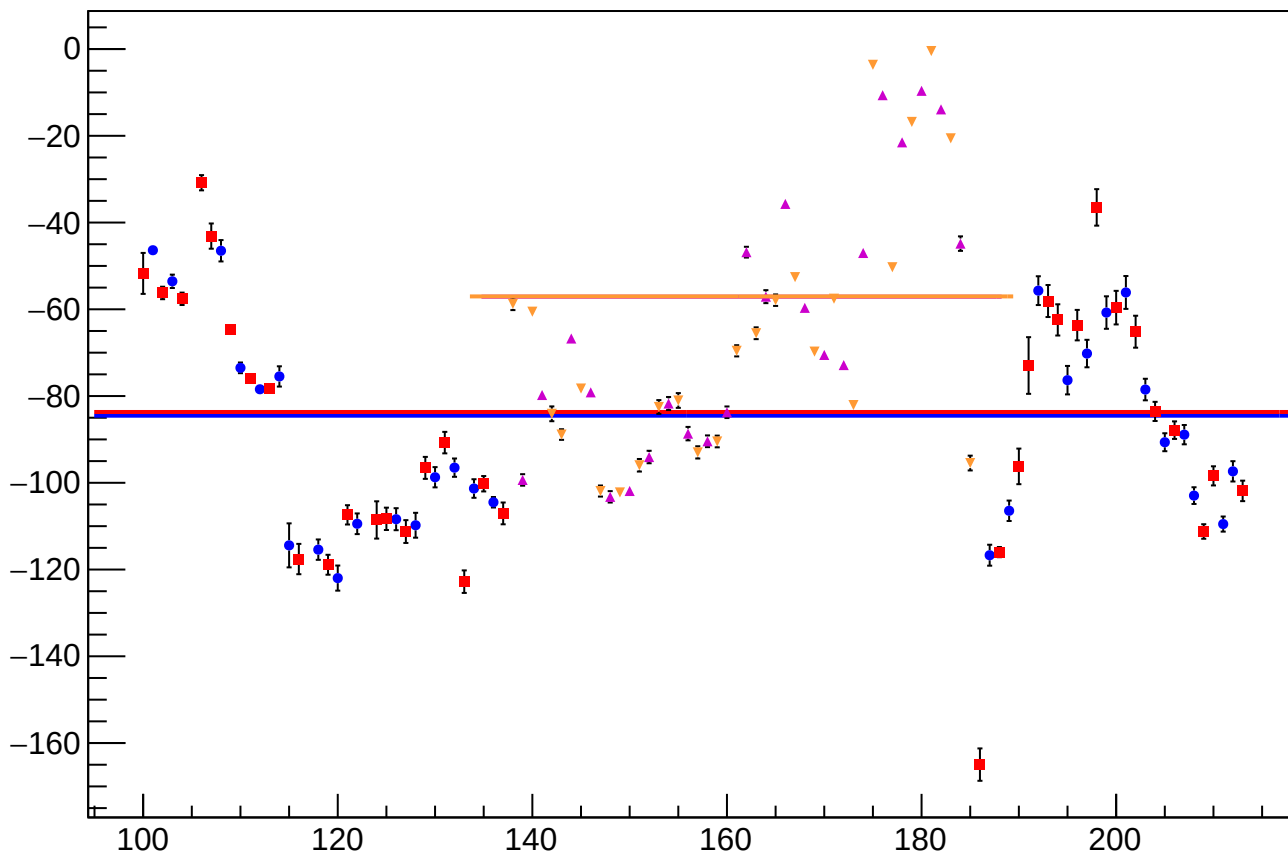
Left In: -0.828 ± 0.183 $\chi^2/\text{NDF}: 6116.6/22$

+ sign -0.023 ± 0.162 $\chi^2/\text{NDF}: 13049.5/53$

All: -0.204 ± 0.116 $\chi^2/\text{NDF}: 23436.4/110$

- sign -0.394 ± 0.165 $\chi^2/\text{NDF}: 10384.3/56$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -84.527 ± 0.369 $\chi^2/\text{NDF}: 3740.4/28$

Left Out: -57.029 ± 0.230 $\chi^2/\text{NDF}: 20309.3/24$

Right Out: -83.674 ± 0.348 $\chi^2/\text{NDF}: 5289.2/33$

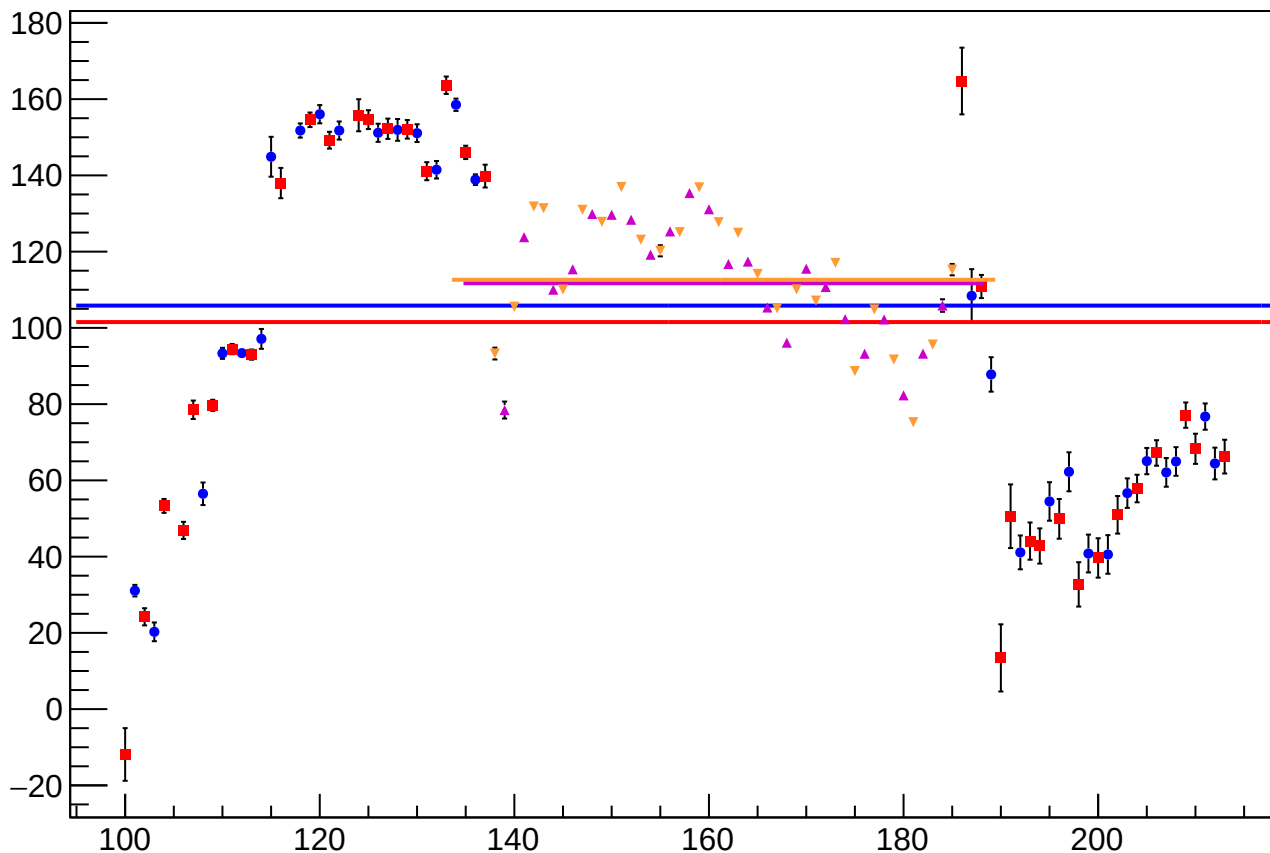
Left In: -57.091 ± 0.237 $\chi^2/\text{NDF}: 17167.8/22$

+ sign -64.728 ± 0.195 $\chi^2/\text{NDF}: 28056.0/53$

All: -65.110 ± 0.138 $\chi^2/\text{NDF}: 54511.5/110$

- sign -65.495 ± 0.196 $\chi^2/\text{NDF}: 26447.8/56$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 105.845 $\pm$ 0.452 χ^2 /NDF: 9894.6/28

Left Out: 112.625 $\pm$ 0.200 χ^2 /NDF: 6708.0/24

Right Out: 101.524 $\pm$ 0.443 χ^2 /NDF: 9125.1/33

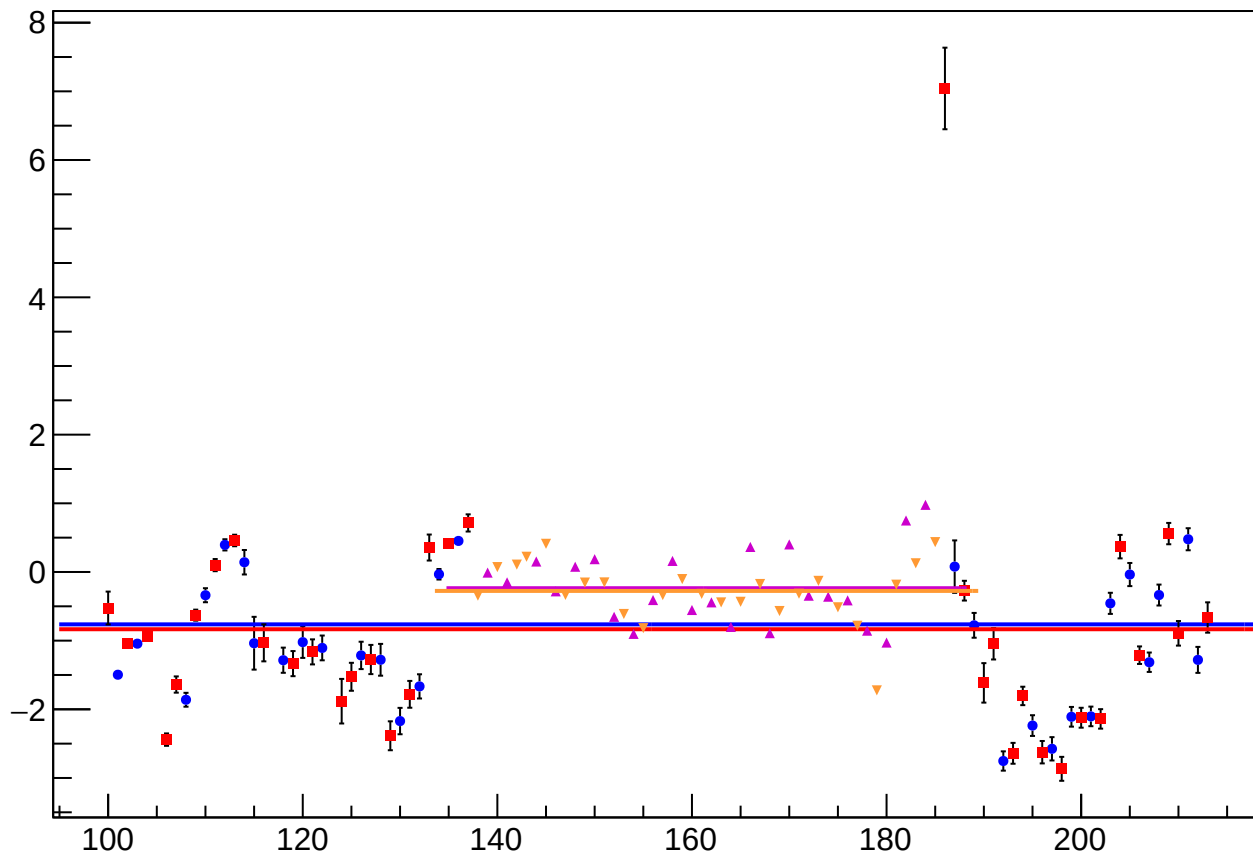
Left In: 111.720 $\pm$ 0.206 χ^2 /NDF: 4896.8/22

+ sign 111.516 $\pm$ 0.183 χ^2 /NDF: 16790.7/53

All: 110.727 $\pm$ 0.131 χ^2 /NDF: 31286.9/110

- sign 109.904 $\pm$ 0.187 χ^2 /NDF: 14458.2/56

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.763 ± 0.022 χ^2/NDF : 1857.3/28

Left Out: -0.276 ± 0.009 χ^2/NDF : 2122.4/24

Right Out: -0.834 ± 0.022 χ^2/NDF : 2317.4/33

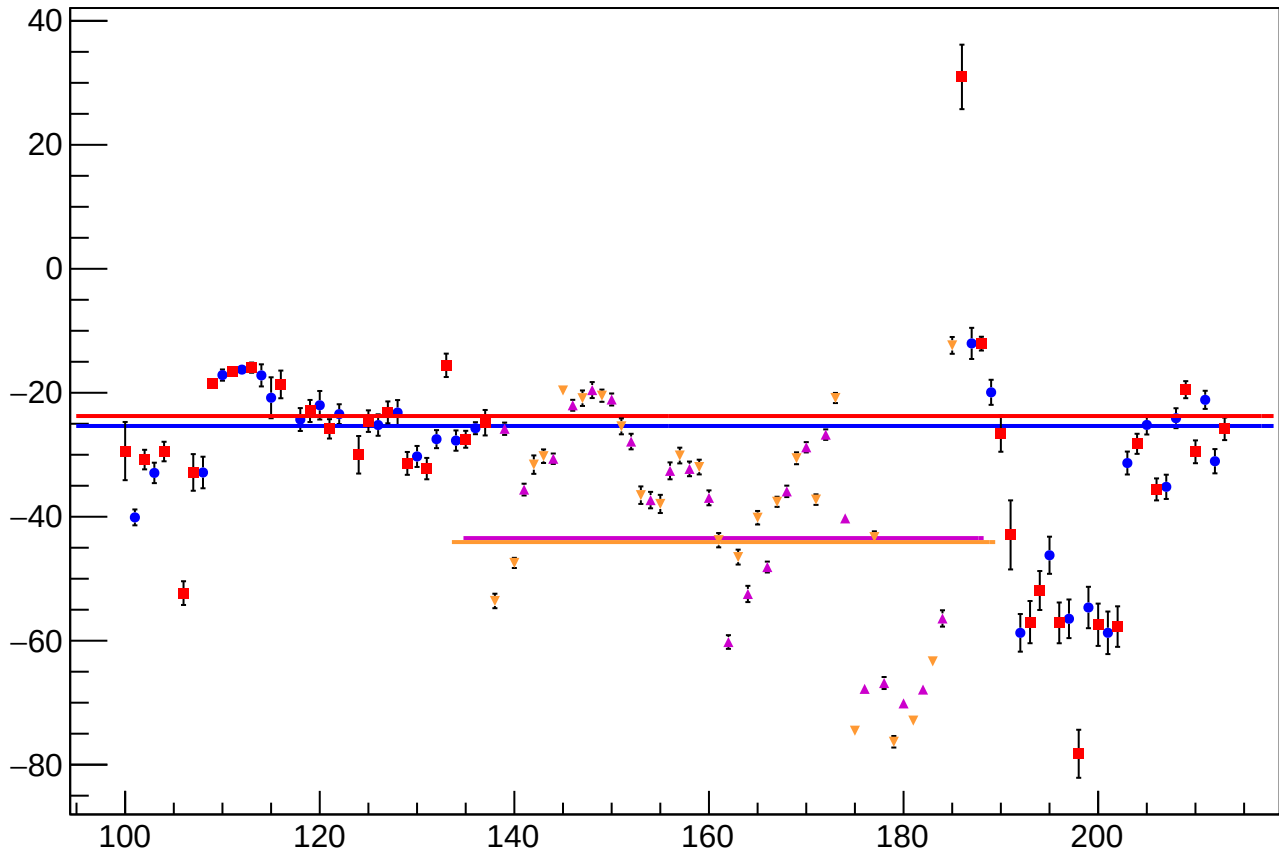
Left In: -0.236 ± 0.009 χ^2/NDF : 2961.3/22

+ sign -0.344 ± 0.008 χ^2/NDF : 4389.2/53

All: -0.335 ± 0.006 χ^2/NDF : 10309.5/110

- sign -0.327 ± 0.008 χ^2/NDF : 5918.3/56

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.358 ± 0.298 $\chi^2/\text{NDF}: 960.4/28$

Left Out: -44.087 ± 0.193 $\chi^2/\text{NDF}: 10340.4/24$

Right Out: -23.754 ± 0.277 $\chi^2/\text{NDF}: 1558.7/33$

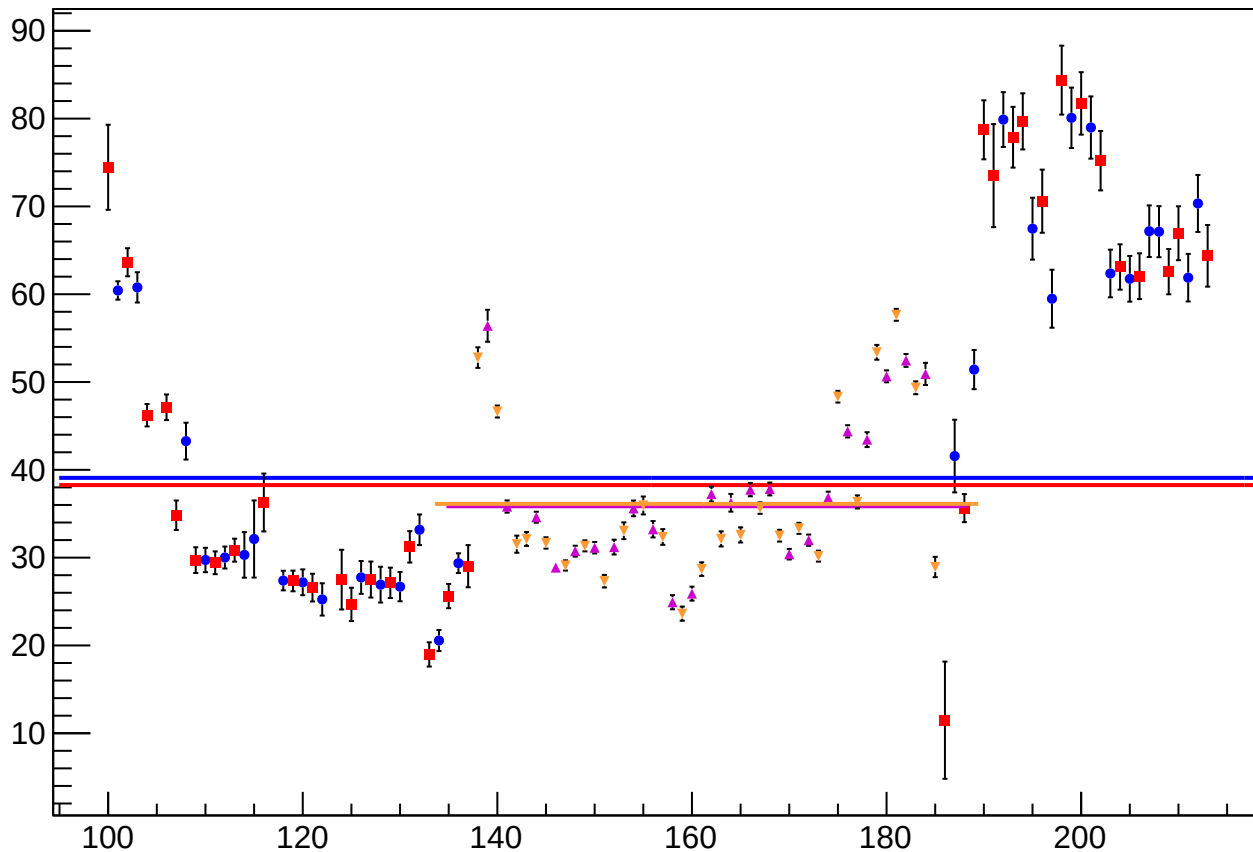
Left In: -43.444 ± 0.199 $\chi^2/\text{NDF}: 7820.5/22$

+ sign -38.562 ± 0.162 $\chi^2/\text{NDF}: 14078.4/53$

All: -37.660 ± 0.114 $\chi^2/\text{NDF}: 26850.5/110$

- sign -36.764 ± 0.162 $\chi^2/\text{NDF}: 12710.4/56$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.087 $\pm$ 0.342 χ^2 /NDF: 2445.6/28

Left Out: 36.123 $\pm$ 0.150 χ^2 /NDF:3558.5/24

Right Out: 38.263 $\pm$ 0.336 χ^2 /NDF: 2475.0/33

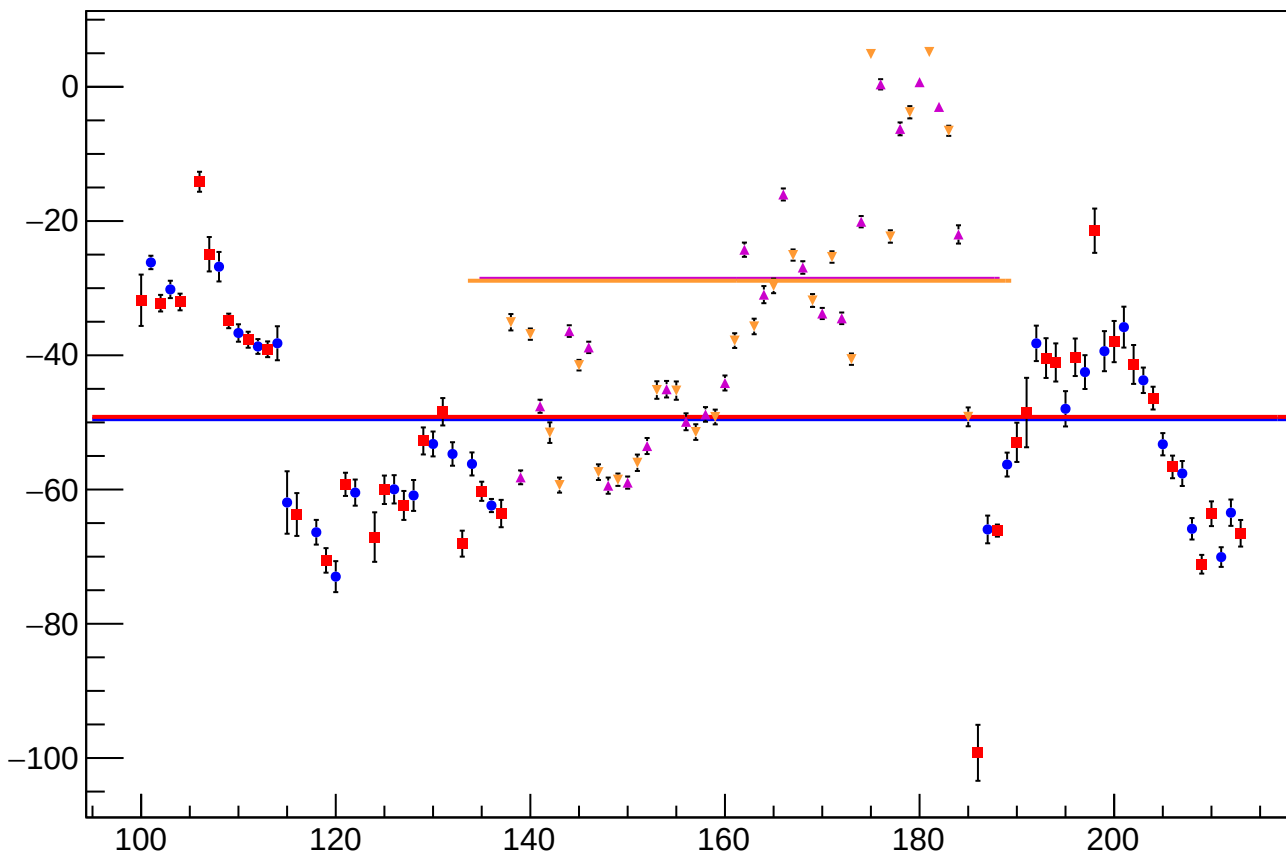
Left In: 35.852 $\pm$ 0.155 χ^2 /NDF:2293.5/22

+ sign 36.601 $\pm$ 0.137 χ^2 /NDF: 6067.1/53

All: 36.442 $\pm$ 0.098 χ^2 /NDF: 10880.9/110

- sign 36.275 $\pm$ 0.141 χ^2 /NDF: 4811.0/56

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -49.518 ± 0.319 χ^2/NDF : 2084.6/28

Left Out: -28.891 ± 0.193 χ^2/NDF : 11798.4/24

Right Out: -49.175 ± 0.303 χ^2/NDF : 2897.5/33

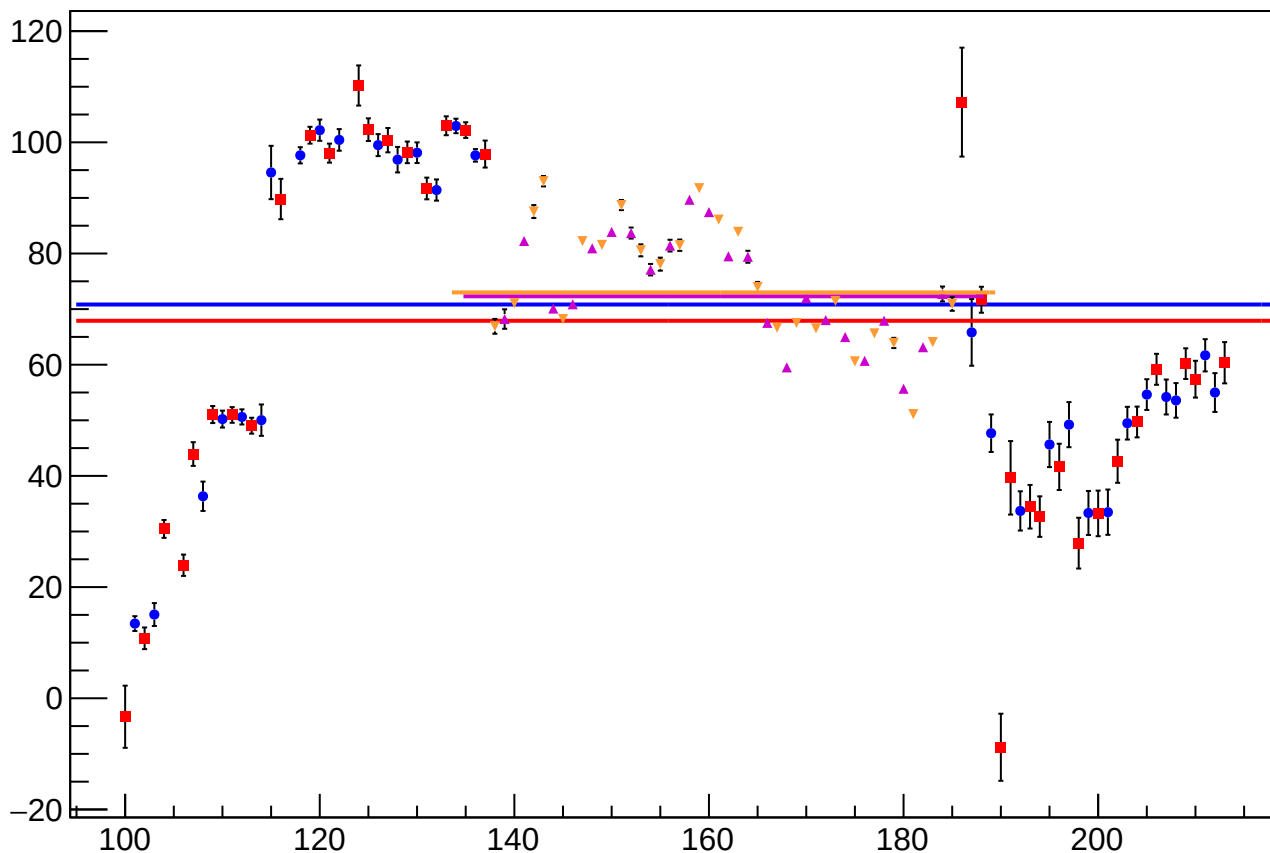
Left In: -28.605 ± 0.198 χ^2/NDF : 10014.7/22

+ sign -34.415 ± 0.165 χ^2/NDF : 16949.7/53

All: -34.580 ± 0.117 χ^2/NDF : 33093.6/110

- sign -34.746 ± 0.166 χ^2/NDF : 16142.0/56

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.829+/-0.390 χ^2/NDF : 6500.7/28

Left Out: 73.002+/-0.168 χ^2/NDF : 4052.4/24

Right Out: 67.903+/-0.387 χ^2/NDF : 6368.9/33

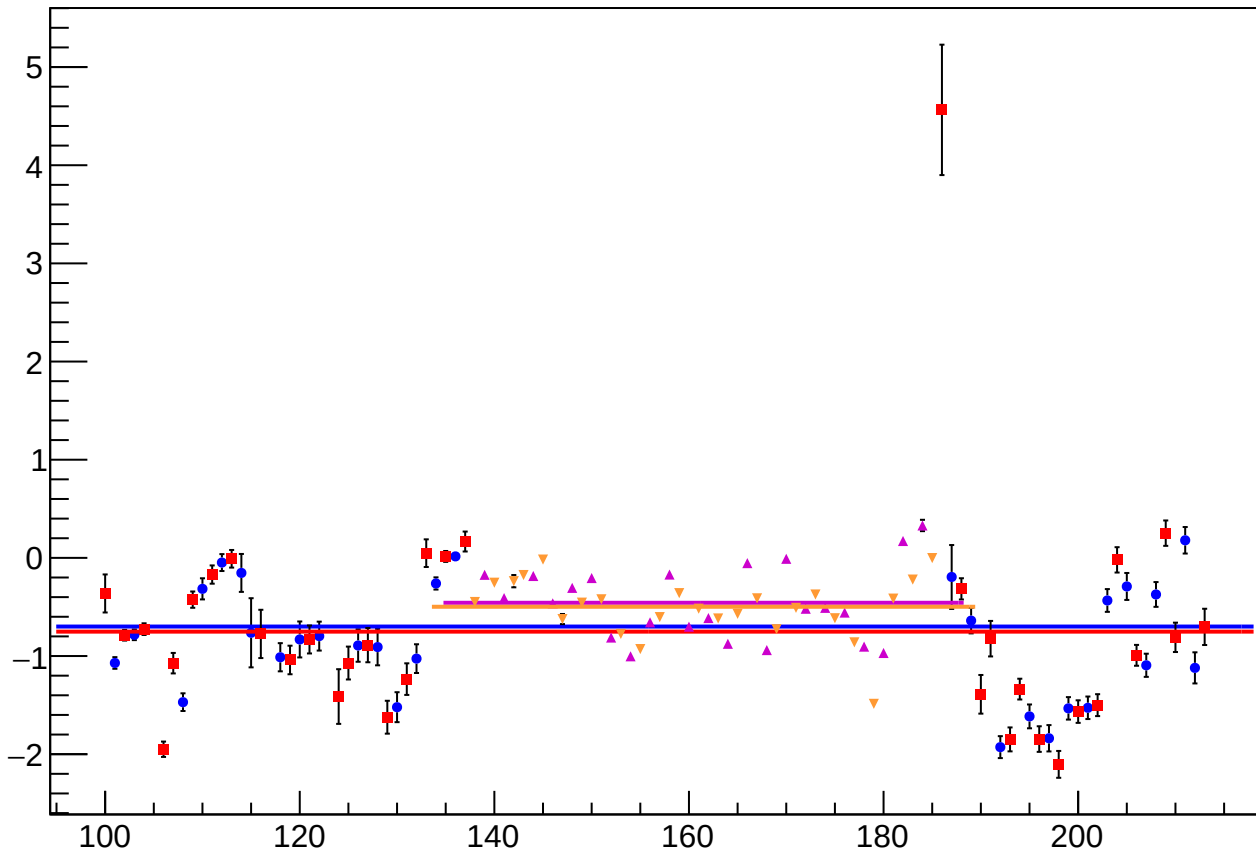
Left In: 72.302+/-0.173 χ^2/NDF : 2912.6/22

+ sign 72.661+/-0.155 χ^2/NDF : 10579.2/53

All: 72.125+/-0.111 χ^2/NDF : 19993.0/110

- sign 71.566+/-0.158 χ^2/NDF : 9389.2/56

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.700 ± 0.019 χ^2/NDF : 969.5/28

Left Out: -0.498 ± 0.008 χ^2/NDF : 1482.9/24

Right Out: -0.751 ± 0.019 χ^2/NDF : 1290.3/33

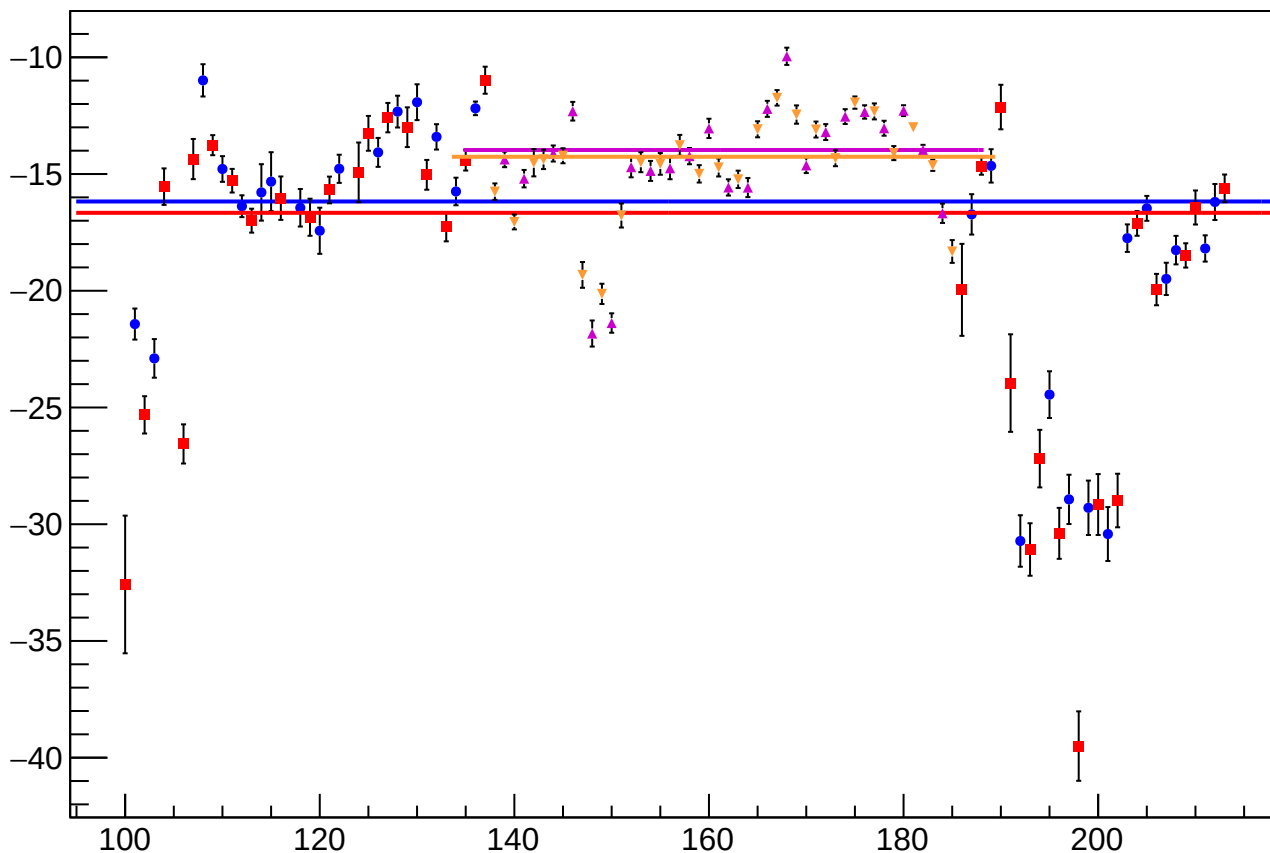
Left In: -0.458 ± 0.008 χ^2/NDF : 2103.1/22

+ sign -0.526 ± 0.007 χ^2/NDF : 2550.7/53

All: -0.513 ± 0.005 χ^2/NDF : 6163.4/110

- sign -0.500 ± 0.007 χ^2/NDF : 3606.2/56

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.176 ± 0.121 $\chi^2/\text{NDF}: 1213.6/28$

Left Out: -14.261 ± 0.070 $\chi^2/\text{NDF}: 724.0/24$

Right Out: -16.661 ± 0.118 $\chi^2/\text{NDF}: 1510.4/33$

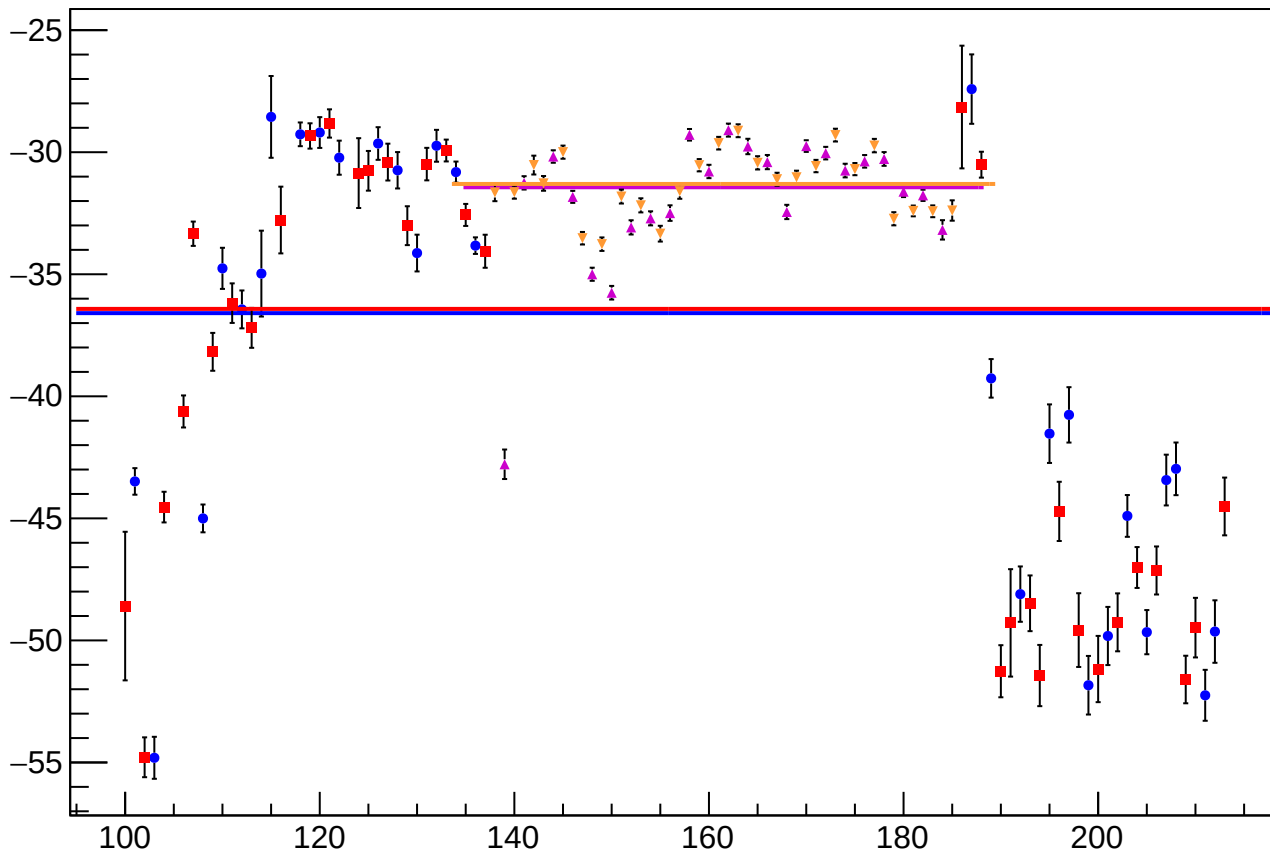
Left In: -13.970 ± 0.072 $\chi^2/\text{NDF}: 907.7/22$

+ sign -14.738 ± 0.060 $\chi^2/\text{NDF}: 2125.7/53$

All: -14.718 ± 0.043 $\chi^2/\text{NDF}: 4923.0/110$

- sign -14.698 ± 0.061 $\chi^2/\text{NDF}: 2797.1/56$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.593 ± 0.136 χ^2/NDF : 3021.3/28

Left Out: -31.301 ± 0.055 χ^2/NDF : 553.1/24

Right Out: -36.419 ± 0.134 χ^2/NDF : 3318.8/33

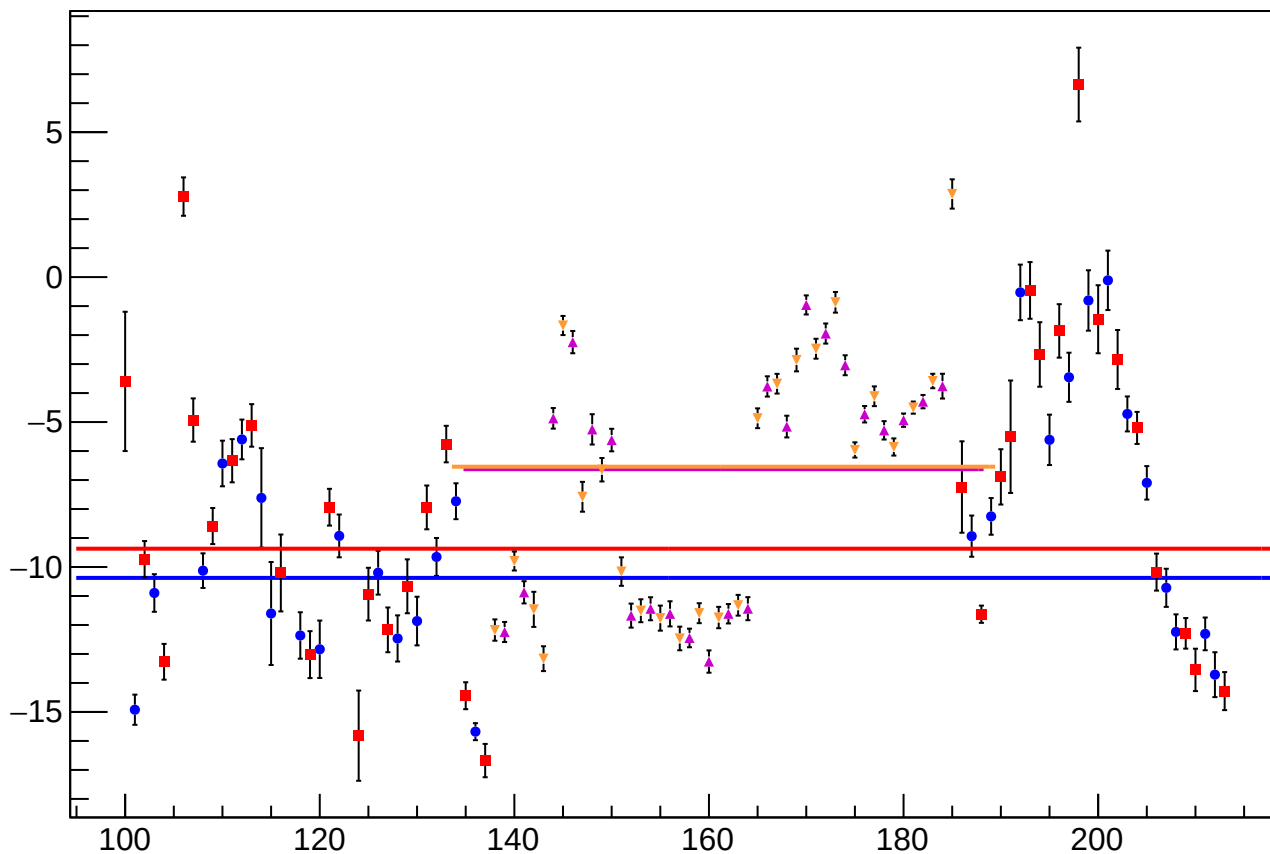
Left In: -31.436 ± 0.057 χ^2/NDF : 1214.8/22

+ sign -32.052 ± 0.051 χ^2/NDF : 4877.2/53

All: -32.126 ± 0.037 χ^2/NDF : 10581.8/110

- sign -32.205 ± 0.053 χ^2/NDF : 5700.3/56

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.376 $\pm$ 0.124 χ^2/NDF : 1088.7/28

Left Out: -6.540 $\pm$ 0.070 χ^2/NDF : 3242.5/24

Right Out: -9.368 $\pm$ 0.121 χ^2/NDF : 1527.2/33

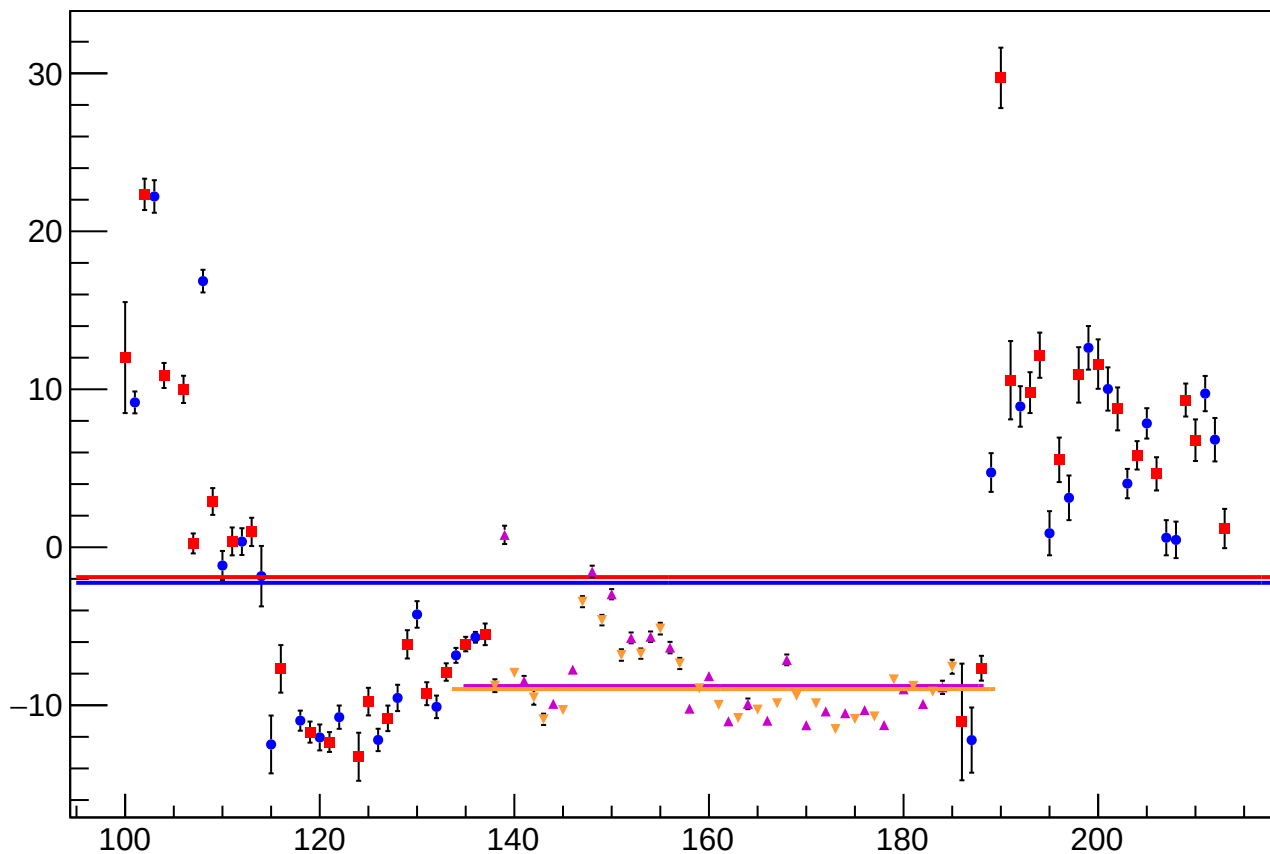
Left In: -6.625 $\pm$ 0.071 χ^2/NDF : 2908.0/22

+ sign -7.454 $\pm$ 0.061 χ^2/NDF : 5056.9/53

All: -7.396 $\pm$ 0.043 χ^2/NDF : 9876.3/110

- sign -7.336 $\pm$ 0.061 χ^2/NDF : 4817.5/56

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.250 ± 0.153 χ^2/NDF : 3322.8/28

Left Out: -8.977 ± 0.061 χ^2/NDF : 972.0/24

Right Out: -1.889 ± 0.155 χ^2/NDF : 3276.7/33

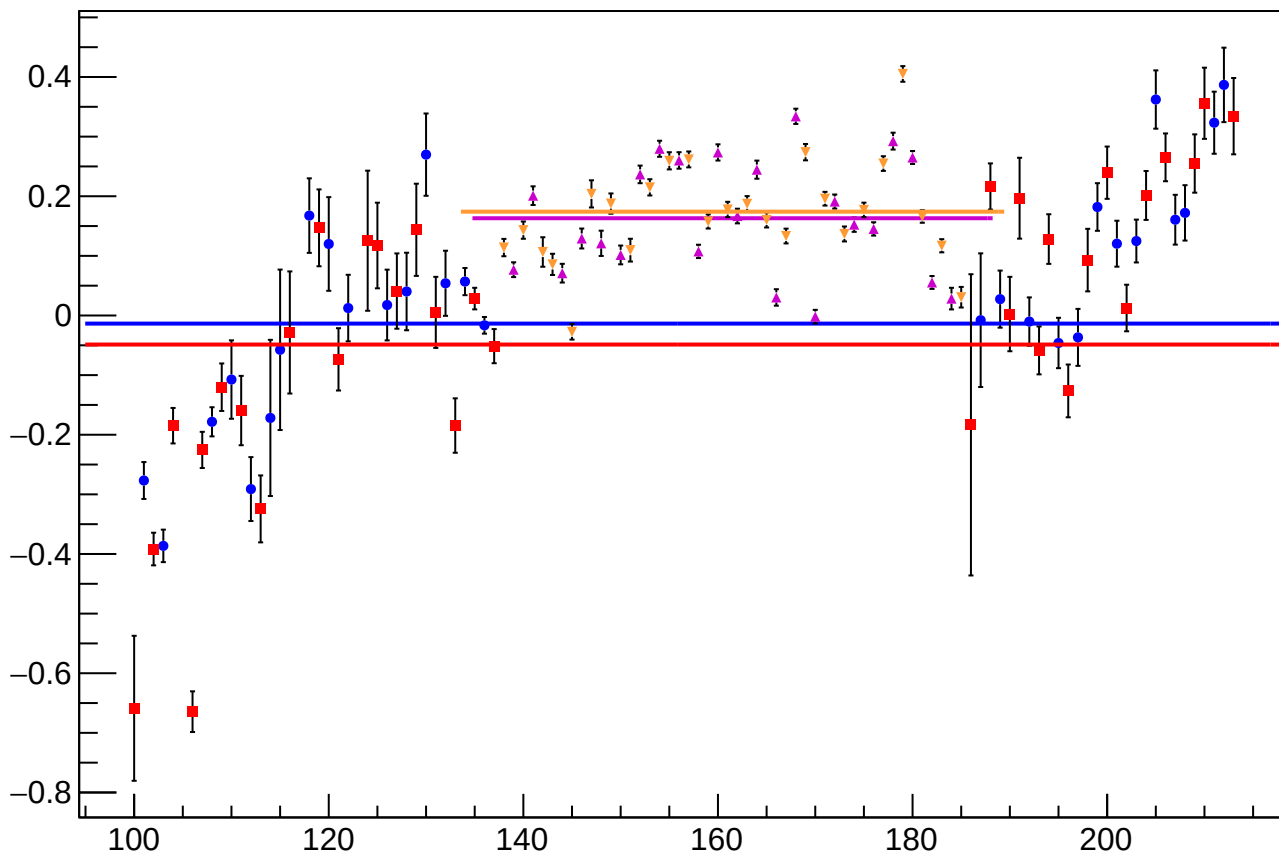
Left In: -8.785 ± 0.063 χ^2/NDF : 1685.0/22

+ sign -8.046 ± 0.057 χ^2/NDF : 5953.2/53

All: -7.926 ± 0.041 χ^2/NDF : 12617.3/110

- sign -7.798 ± 0.059 χ^2/NDF : 6654.9/56

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.014 ± 0.007 χ^2/NDF : 603.9/28

Left Out: 0.174 ± 0.003 χ^2/NDF : 922.9/24

Right Out: -0.049 ± 0.007 χ^2/NDF : 1000.8/33

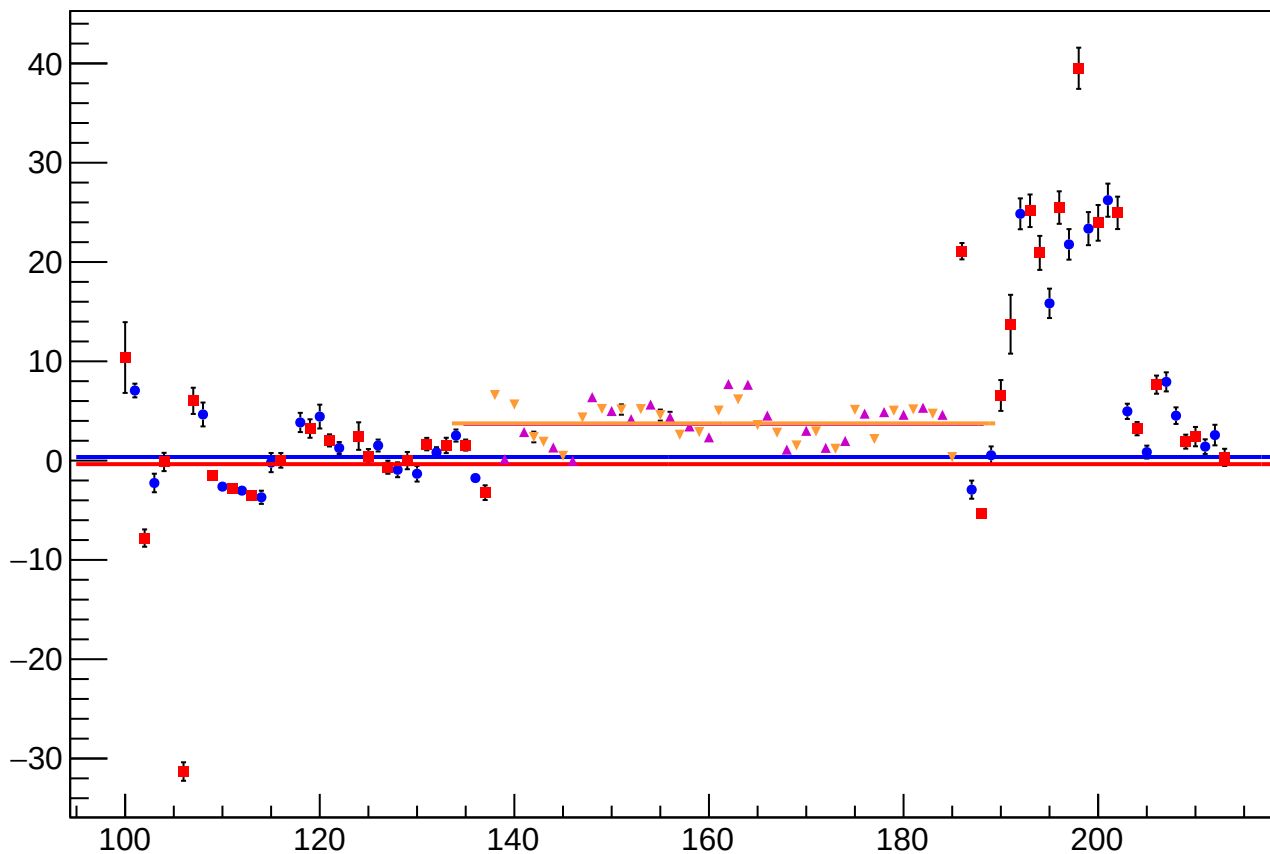
Left In: 0.163 ± 0.003 χ^2/NDF : 1195.1/22

+ sign 0.150 ± 0.003 χ^2/NDF : 2137.9/53

All: 0.143 ± 0.002 χ^2/NDF : 5081.6/110

- sign 0.136 ± 0.003 χ^2/NDF : 2929.8/56

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.364 ± 0.122 $\chi^2/\text{NDF}: 1589.1/28$

Left Out: 3.750 ± 0.062 $\chi^2/\text{NDF}: 809.8/24$

Right Out: -0.356 ± 0.114 $\chi^2/\text{NDF}: 3861.1/33$

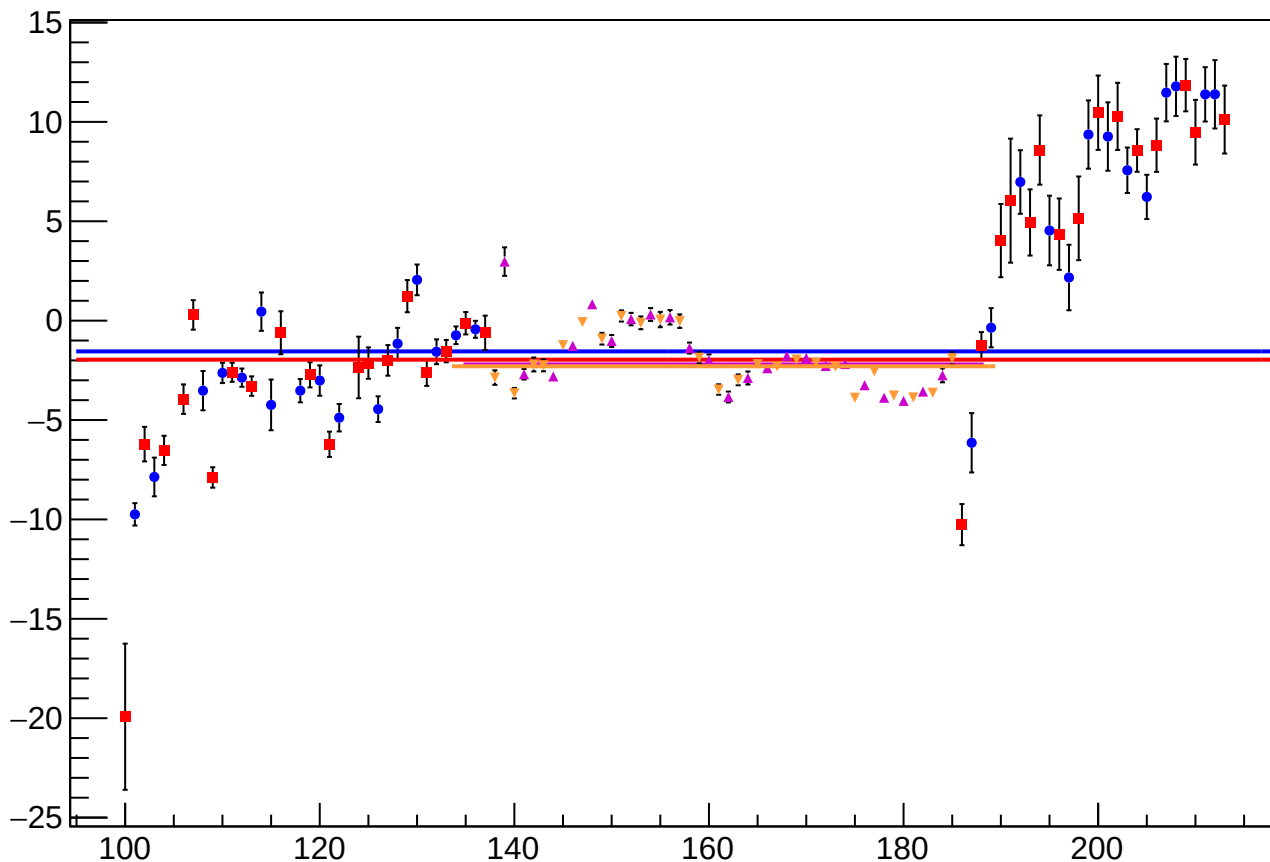
Left In: 3.688 ± 0.064 $\chi^2/\text{NDF}: 953.3/22$

+ sign 3.054 ± 0.055 $\chi^2/\text{NDF}: 3012.8/53$

All: 2.890 ± 0.039 $\chi^2/\text{NDF}: 8799.9/110$

- sign 2.724 ± 0.056 $\chi^2/\text{NDF}: 5769.4/56$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.547 ± 0.145 χ^2/NDF : 926.5/28

Left Out: -2.294 ± 0.050 χ^2/NDF : 631.5/24

Right Out: -1.963 ± 0.144 χ^2/NDF : 950.4/33

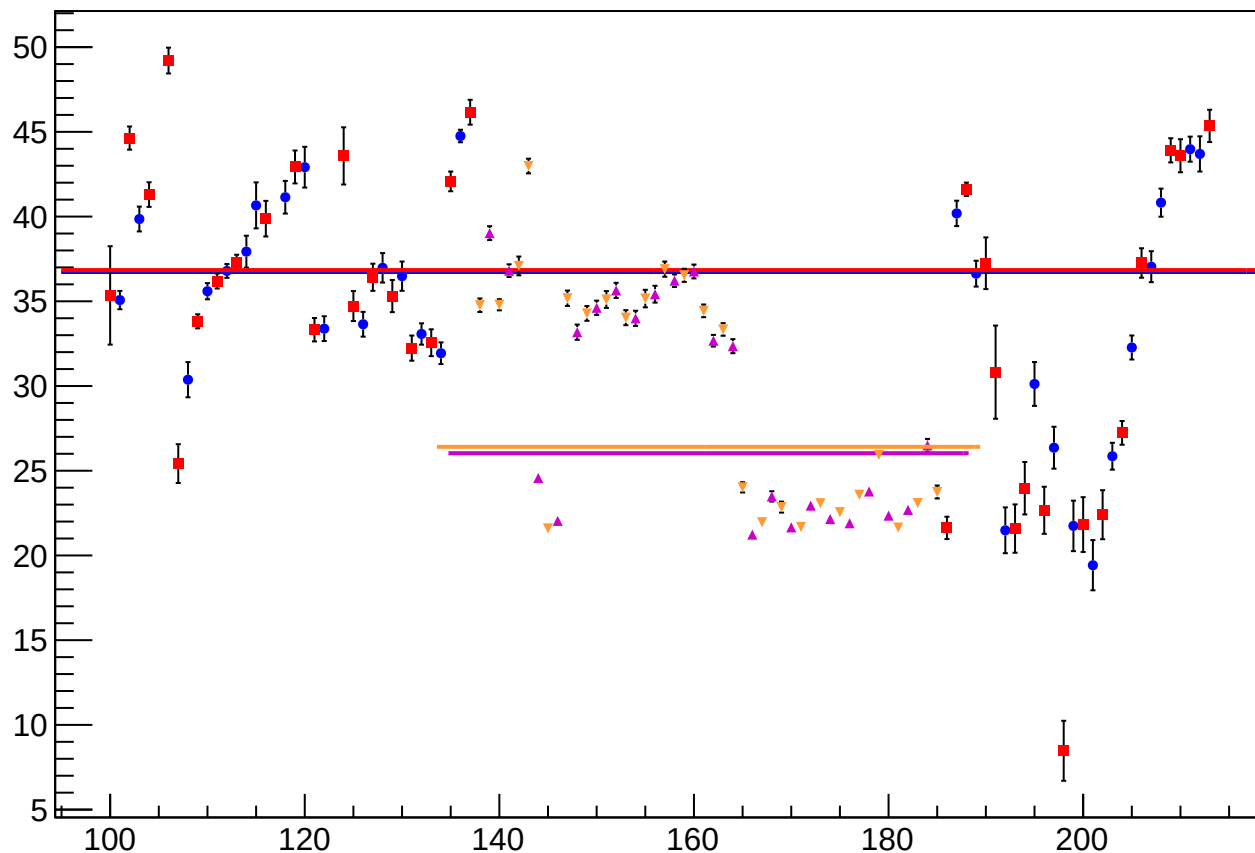
Left In: -2.204 ± 0.051 χ^2/NDF : 724.7/22

+ sign -2.216 ± 0.047 χ^2/NDF : 1581.8/53

All: -2.197 ± 0.034 χ^2/NDF : 3259.7/110

- sign -2.178 ± 0.048 χ^2/NDF : 1677.6/56

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.728 $\pm$ 0.136 χ^2 /NDF: 1603.4/28

Left Out: 26.411 $\pm$ 0.062 χ^2 /NDF:9222.2/24

Right Out: 36.842 $\pm$ 0.131 χ^2 /NDF: 2821.6/33

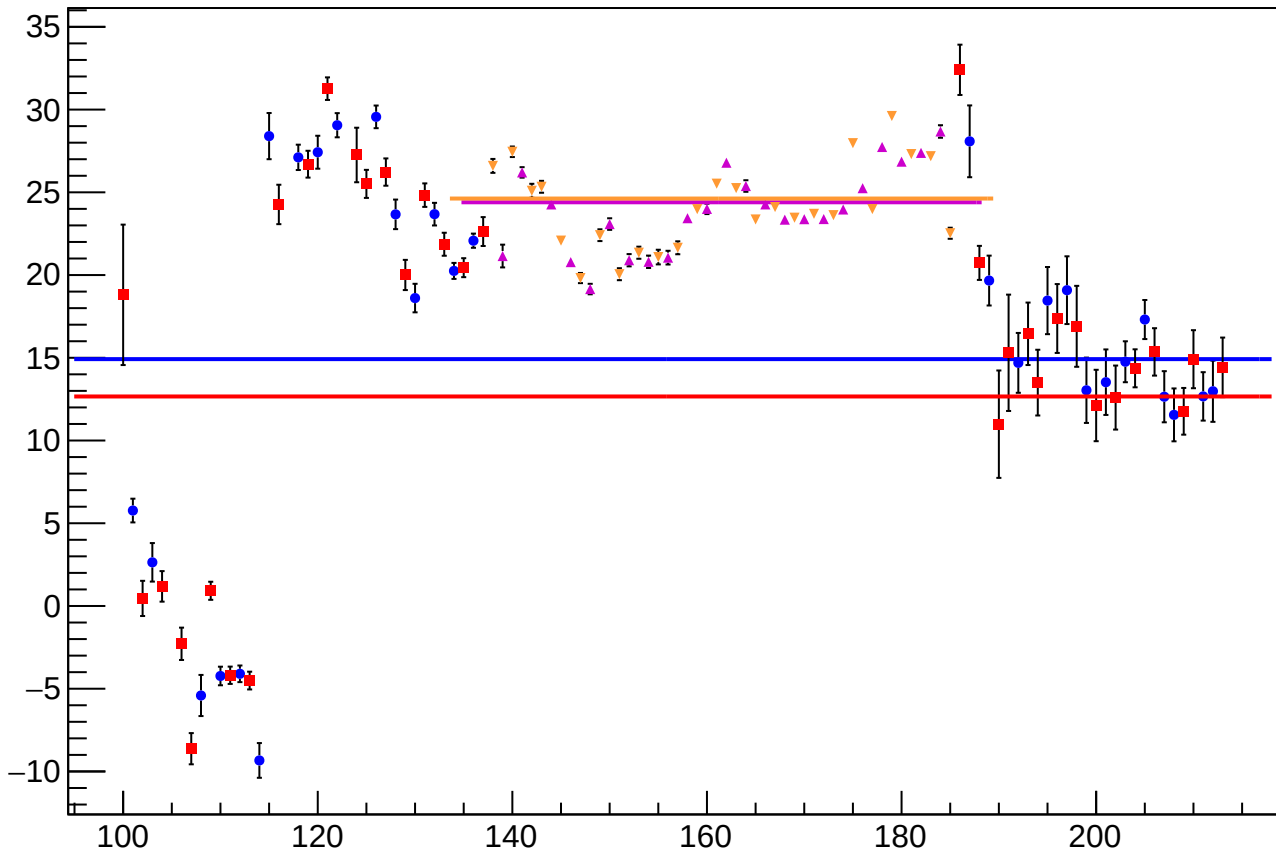
Left In: 26.036 $\pm$ 0.064 χ^2 /NDF:7842.9/22

+ sign 28.195 $\pm$ 0.057 χ^2 /NDF: 15571.7/53

All: 28.160 $\pm$ 0.040 χ^2 /NDF: 31764.7/110

- sign 28.123 $\pm$ 0.057 χ^2 /NDF: 16192.2/56

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.919 $\pm$ 0.162 χ^2 /NDF: 5756.3/28

Left Out: 24.624 $\pm$ 0.055 χ^2 /NDF: 1950.7/24

Right Out: 12.662 $\pm$ 0.164 χ^2 /NDF: 6373.7/33

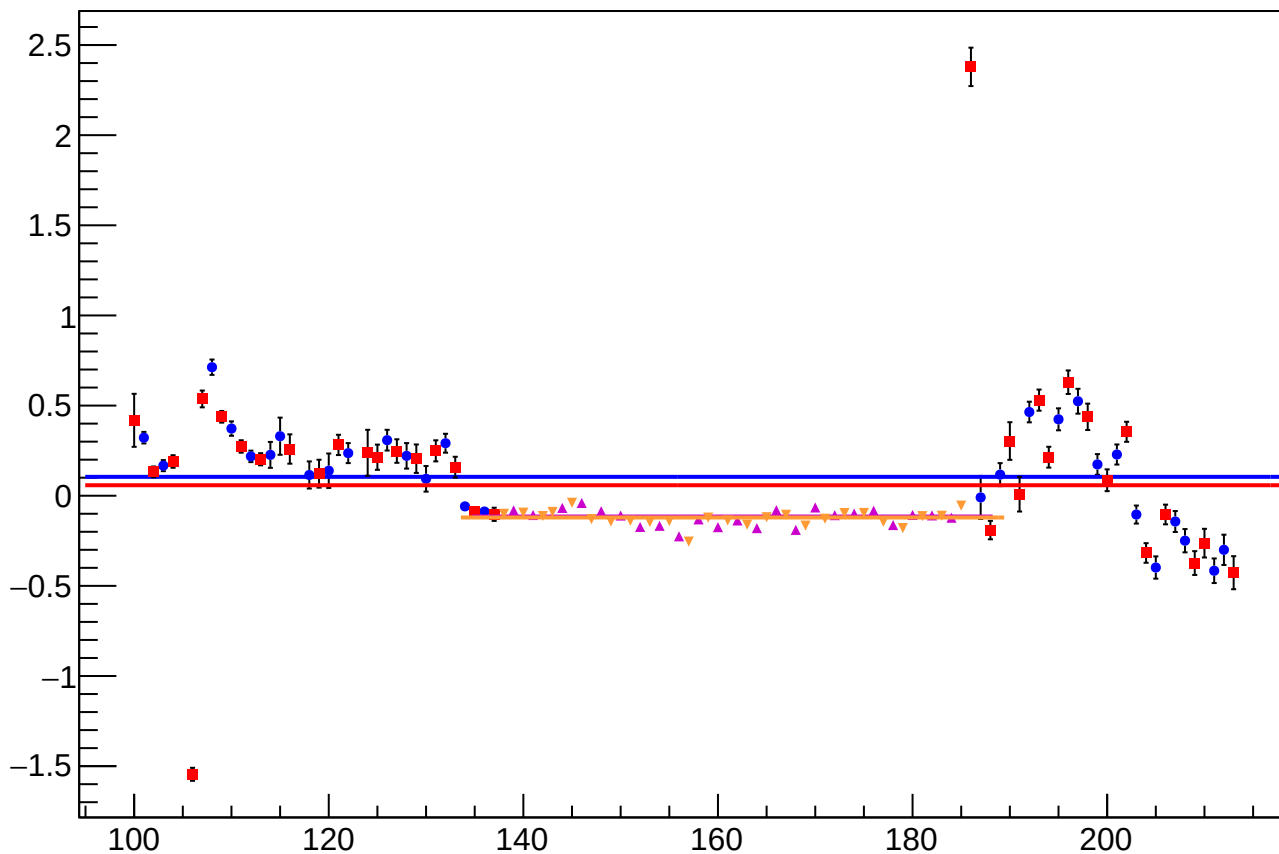
Left In: 24.397 $\pm$ 0.056 χ^2 /NDF: 1715.6/22

+ sign 23.619 $\pm$ 0.052 χ^2 /NDF: 10912.5/53

All: 23.389 $\pm$ 0.037 χ^2 /NDF: 23636.3/110

- sign 23.149 $\pm$ 0.053 χ^2 /NDF: 12684.3/56

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.008 χ^2/NDF : 848.6/28

Left Out: -0.121 ± 0.002 χ^2/NDF : 262.9/24

Right Out: 0.058 ± 0.008 χ^2/NDF : 3271.7/33

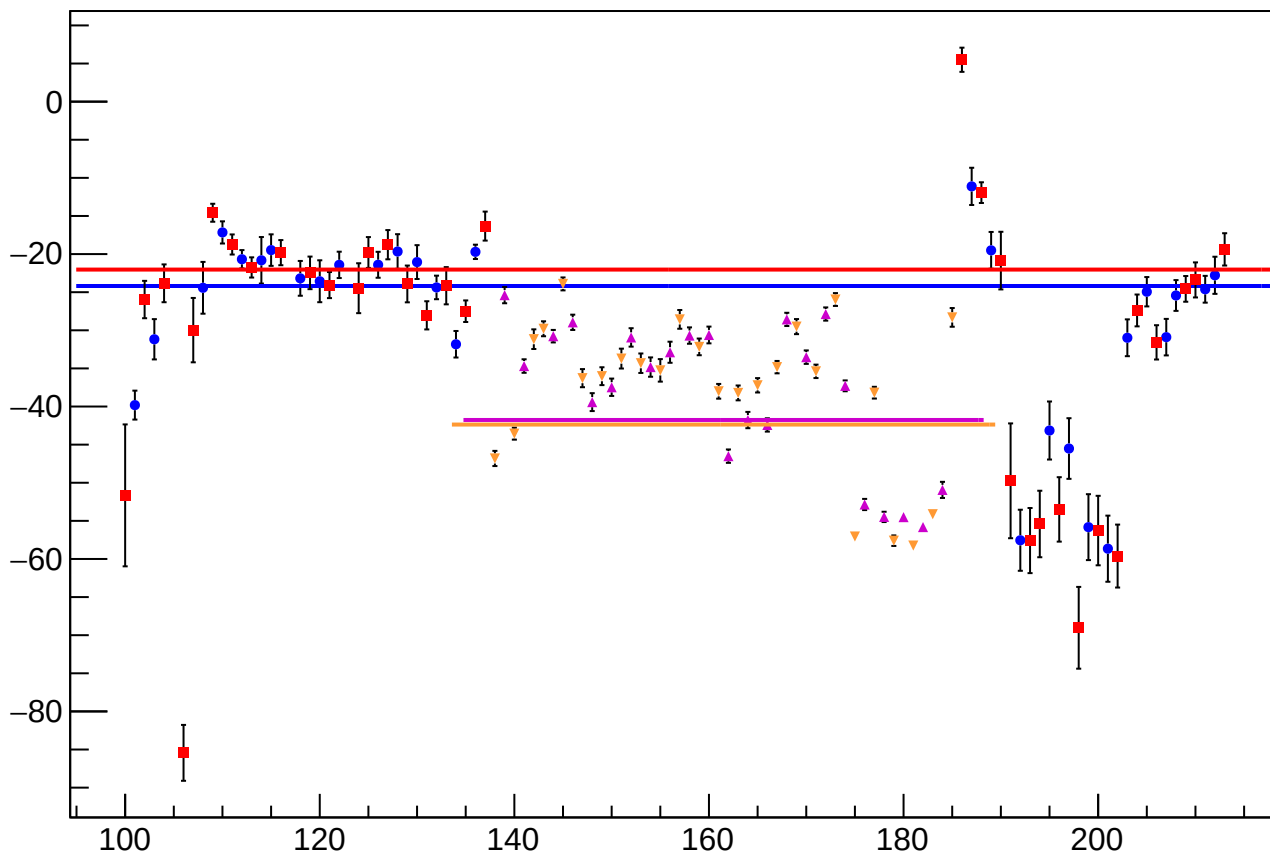
Left In: -0.115 ± 0.003 χ^2/NDF : 290.7/22

+ sign -0.103 ± 0.002 χ^2/NDF : 1792.7/53

All: -0.102 ± 0.002 χ^2/NDF : 5740.5/110

- sign -0.101 ± 0.002 χ^2/NDF : 3947.6/56

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.187 ± 0.370 χ^2/NDF : 455.2/28

Left Out: -42.366 ± 0.175 χ^2/NDF : 4477.3/24

Right Out: -22.032 ± 0.358 χ^2/NDF : 1204.1/33

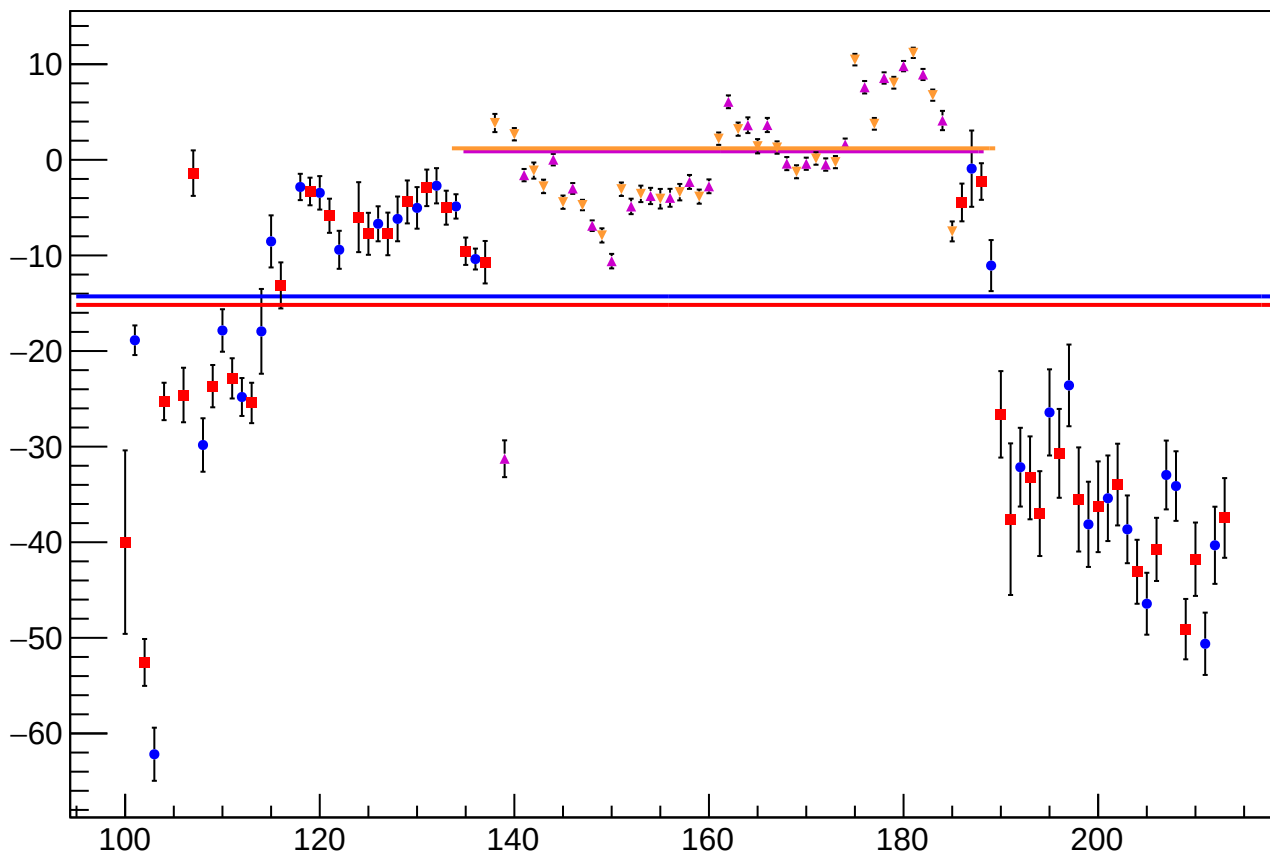
Left In: -41.764 ± 0.182 χ^2/NDF : 3459.2/22

+ sign -39.042 ± 0.158 χ^2/NDF : 6901.0/53

All: -38.397 ± 0.113 χ^2/NDF : 14013.5/110

- sign -37.722 ± 0.162 χ^2/NDF : 7078.6/56

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -14.285 ± 0.415 χ^2/NDF : 1103.3/28

Left Out: 1.203 ± 0.138 χ^2/NDF : 1463.6/24

Right Out: -15.176 ± 0.422 χ^2/NDF : 1119.0/33

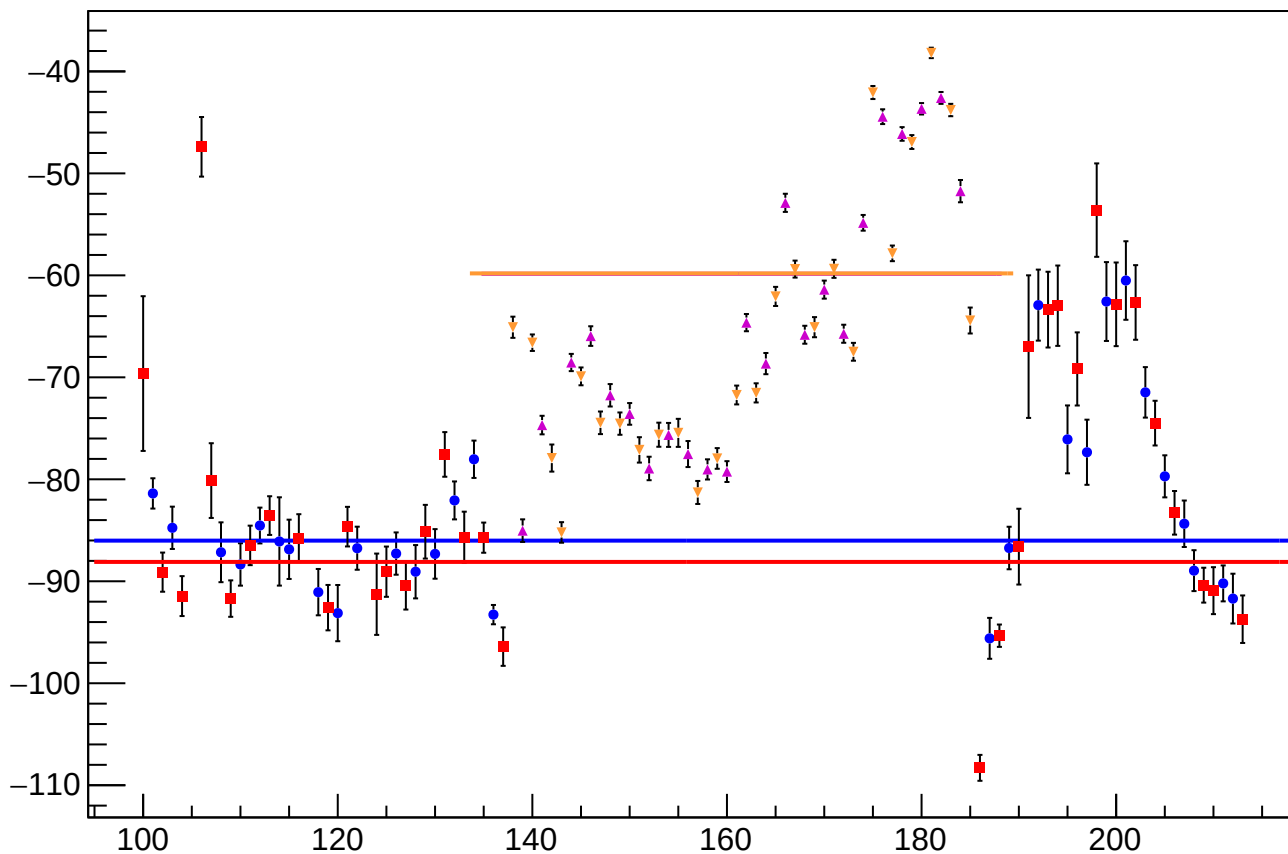
Left In: 0.889 ± 0.143 χ^2/NDF : 1763.7/22

+ sign -0.344 ± 0.131 χ^2/NDF : 3822.4/53

All: -0.546 ± 0.094 χ^2/NDF : 8007.8/110

- sign -0.761 ± 0.135 χ^2/NDF : 4180.5/56

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.014 $\pm$ 0.391 χ^2 /NDF: 329.7/28

Left Out: -59.809 $\pm$ 0.175 χ^2 /NDF: 6645.1/24

Right Out: -88.102 $\pm$ 0.378 χ^2 /NDF: 889.8/33

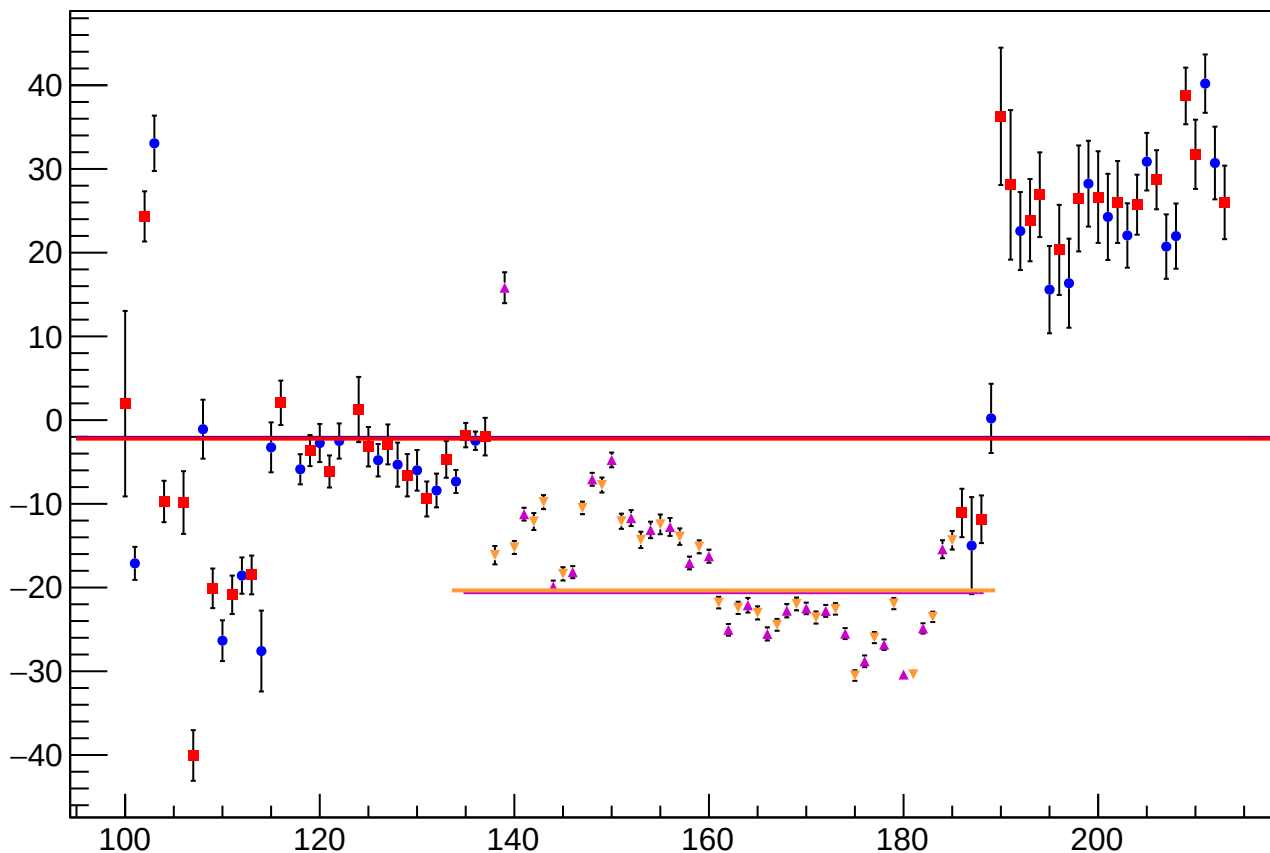
Left In: -59.846 $\pm$ 0.181 χ^2 /NDF: 5534.1/22

+ sign -64.196 $\pm$ 0.160 χ^2 /NDF: 10715.6/53

All: -64.646 $\pm$ 0.114 χ^2 /NDF: 21696.4/110

- sign -65.114 $\pm$ 0.163 χ^2 /NDF: 10964.7/56

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -2.118 ± 0.467 χ^2/NDF : 917.4/28

Left Out: -20.339 ± 0.155 χ^2/NDF : 1701.1/24

Right Out: -2.214 ± 0.485 χ^2/NDF : 1053.3/33

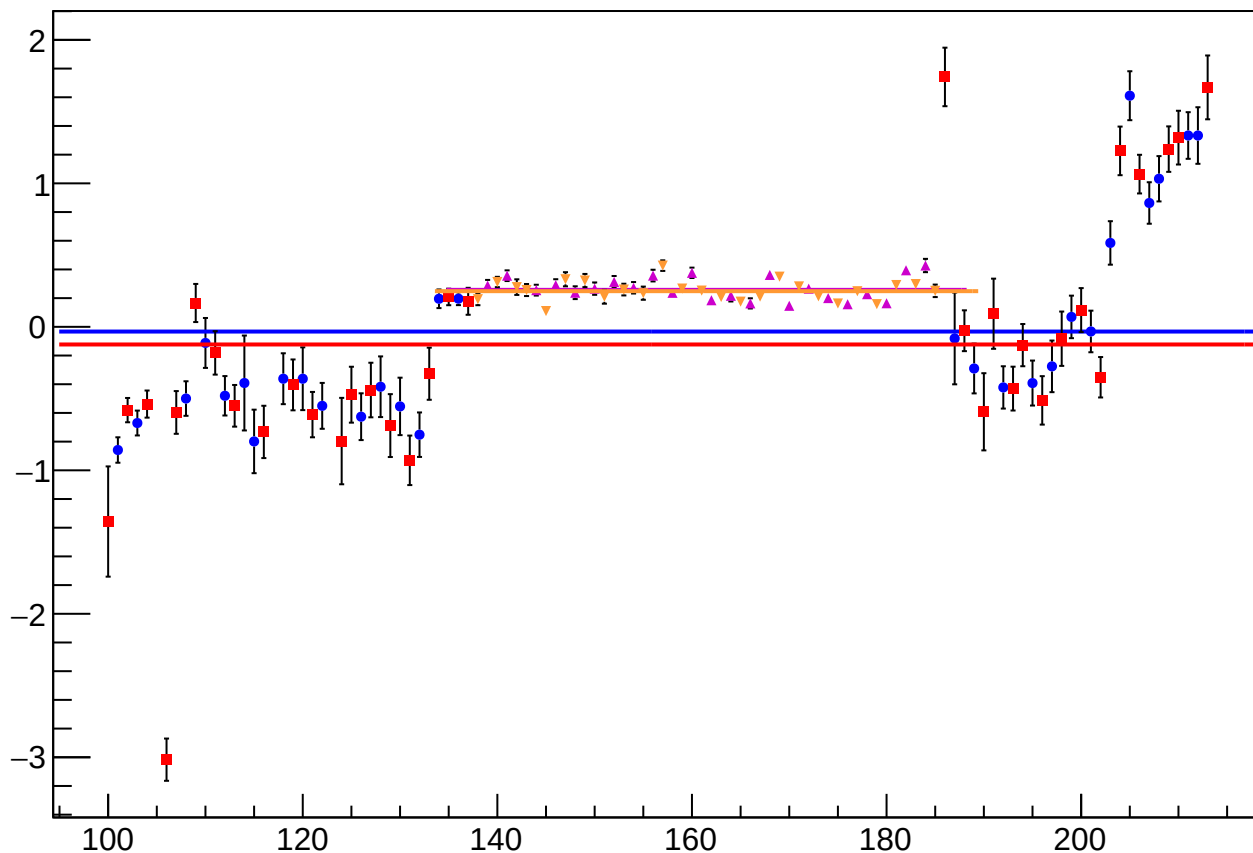
Left In: -20.555 ± 0.160 χ^2/NDF : 2193.8/22

+ sign -18.541 ± 0.147 χ^2/NDF : 3989.0/53

All: -18.649 ± 0.105 χ^2/NDF : 8527.0/110

- sign -18.764 ± 0.152 χ^2/NDF : 4536.8/56

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.033 ± 0.023 χ^2/NDF : 608.1/28

Left Out: 0.249 ± 0.007 χ^2/NDF : 93.2/24

Right Out: -0.123 ± 0.024 χ^2/NDF : 1017.6/33

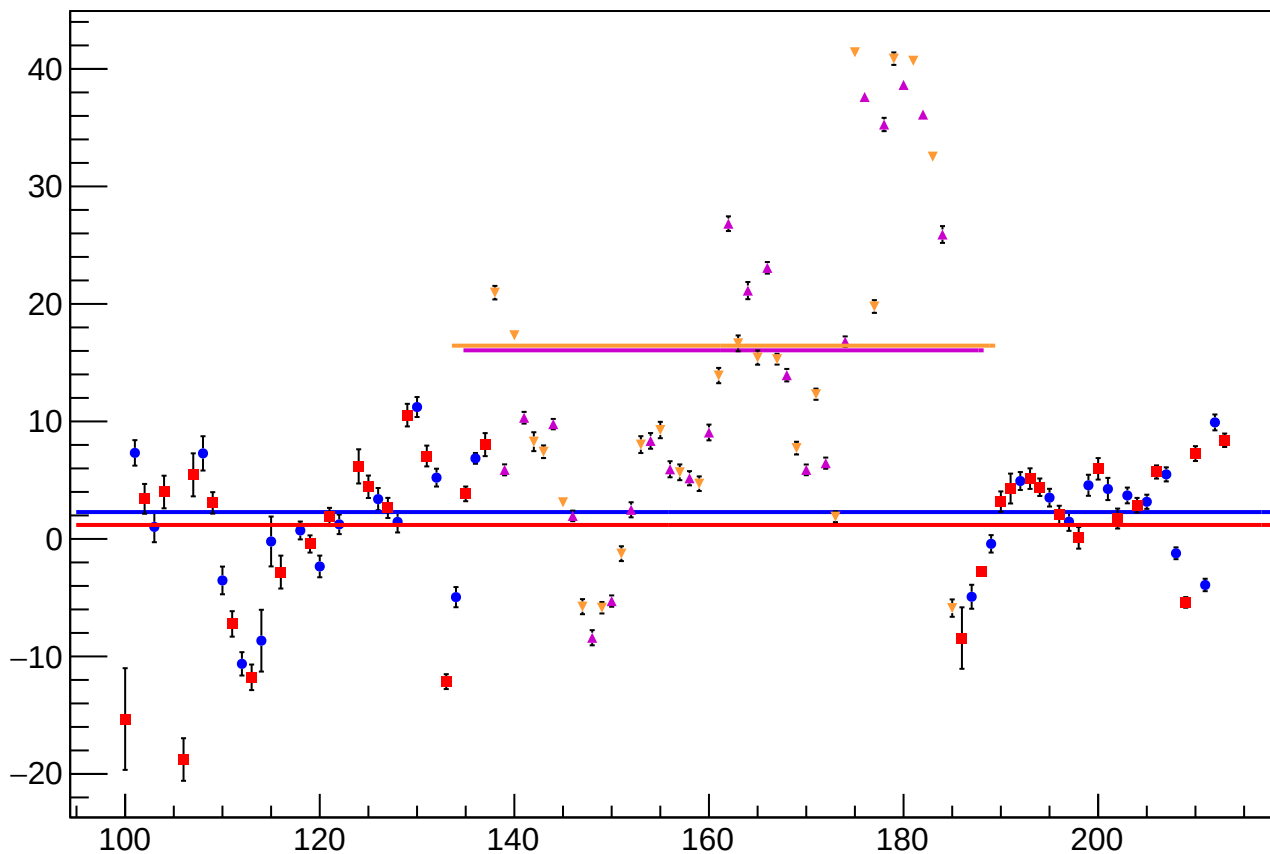
Left In: 0.258 ± 0.007 χ^2/NDF : 134.3/22

+ sign 0.225 ± 0.007 χ^2/NDF : 837.8/53

All: 0.226 ± 0.005 χ^2/NDF : 2215.3/110

- sign 0.228 ± 0.007 χ^2/NDF : 1377.5/56

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.286 ± 0.145 $\chi^2/\text{NDF}: 1013.6/28$

Left Out: 16.449 ± 0.104 $\chi^2/\text{NDF}: 21400.3/24$

Right Out: 1.189 ± 0.136 $\chi^2/\text{NDF}: 1782.8/33$

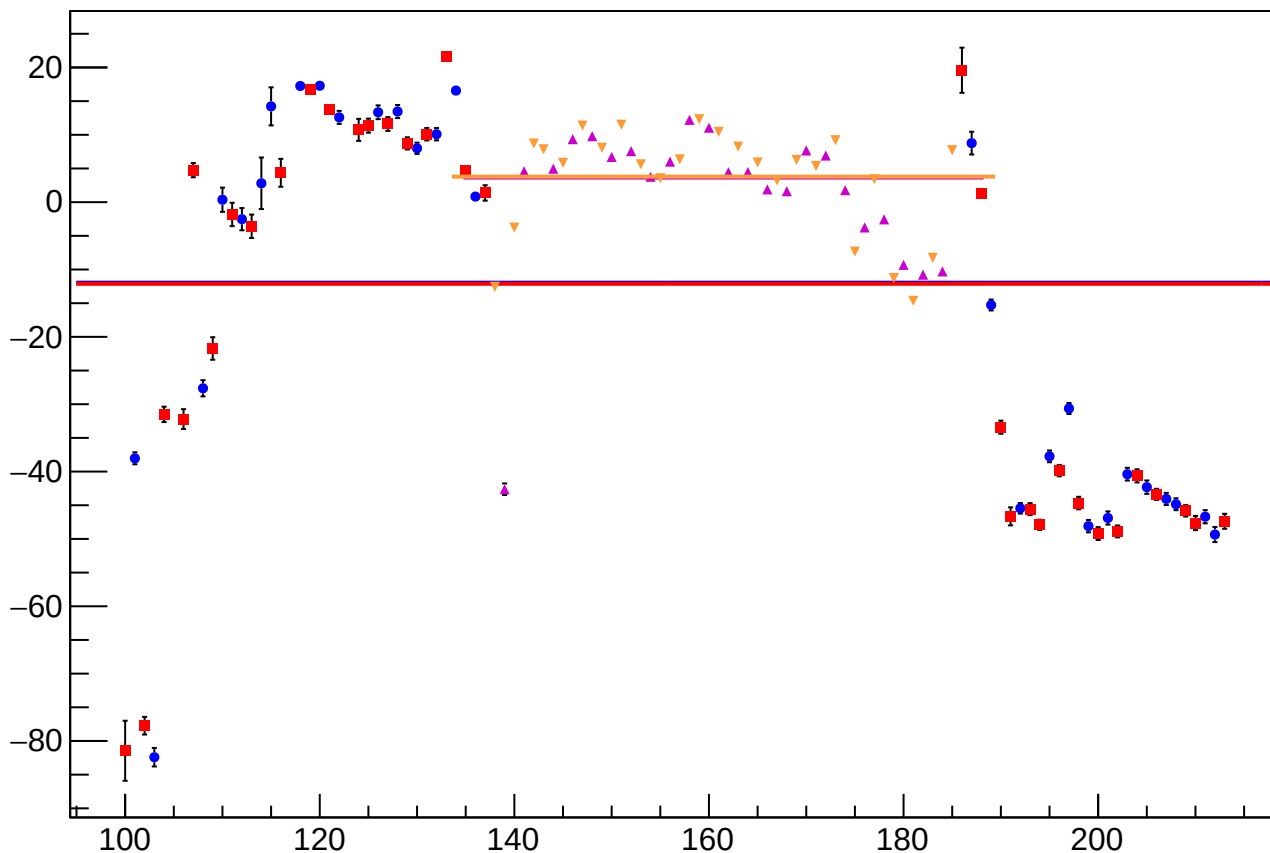
Left In: 16.051 ± 0.107 $\chi^2/\text{NDF}: 17625.1/22$

+ sign 11.634 ± 0.085 $\chi^2/\text{NDF}: 28717.1/53$

All: 10.990 ± 0.060 $\chi^2/\text{NDF}: 55608.1/110$

- sign 10.351 ± 0.084 $\chi^2/\text{NDF}: 26775.2/56$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.956 ± 0.163 χ^2/NDF : 29118.4/28

Left Out: 3.790 ± 0.080 χ^2/NDF : 9100.7/24

Right Out: -12.119 ± 0.155 χ^2/NDF : 34192.7/33

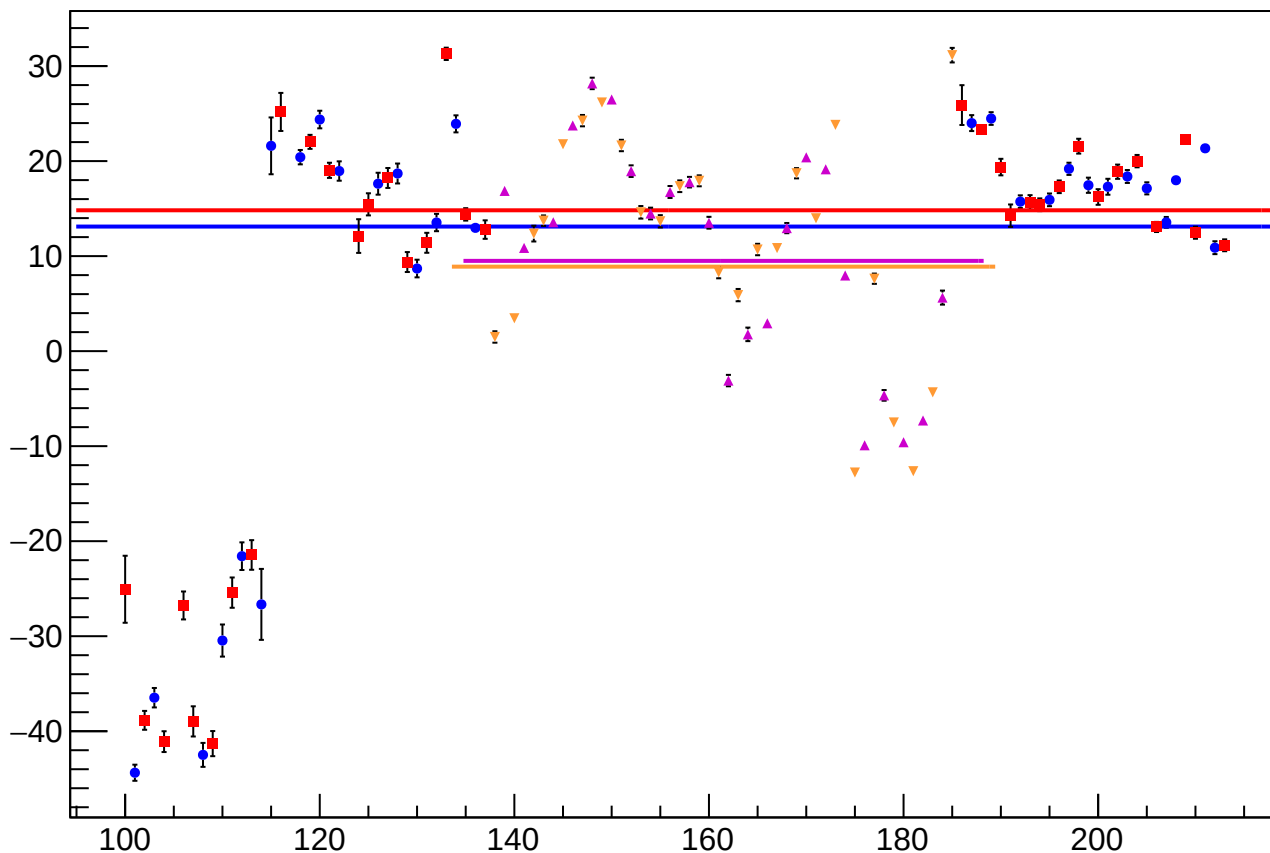
Left In: 3.649 ± 0.083 χ^2/NDF : 8310.7/22

+ sign 0.723 ± 0.072 χ^2/NDF : 45748.4/53

All: 0.438 ± 0.051 χ^2/NDF : 96315.6/110

- sign 0.143 ± 0.073 χ^2/NDF : 50535.3/56

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.111 $\pm$ 0.143 χ^2 /NDF: 11808.8/28

Left Out: 8.892 $\pm$ 0.104 χ^2 /NDF:15428.1/24

Right Out: 14.823 $\pm$ 0.132 χ^2 /NDF: 12785.1/33

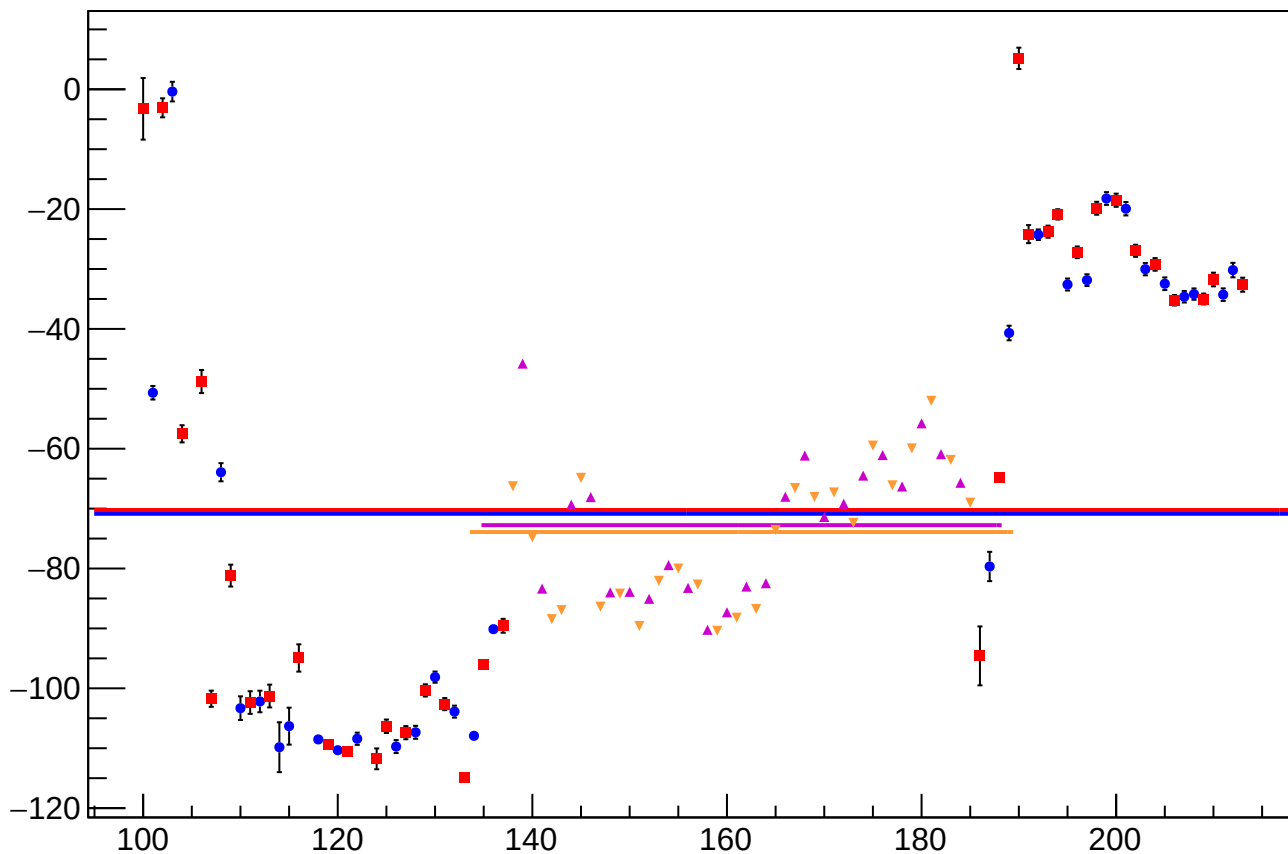
Left In: 9.500 $\pm$ 0.107 χ^2 /NDF:13040.9/22

+ sign 10.344 $\pm$ 0.084 χ^2 /NDF: 27806.5/53

All: 10.977 $\pm$ 0.059 χ^2 /NDF: 54727.1/110

- sign 11.594 $\pm$ 0.083 χ^2 /NDF: 26808.6/56

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -70.859 ± 0.187 χ^2/NDF : 38451.6/28

Left Out: -73.907 ± 0.090 χ^2/NDF : 15567.0/24

Right Out: -70.233 ± 0.181 χ^2/NDF : 45974.9/33

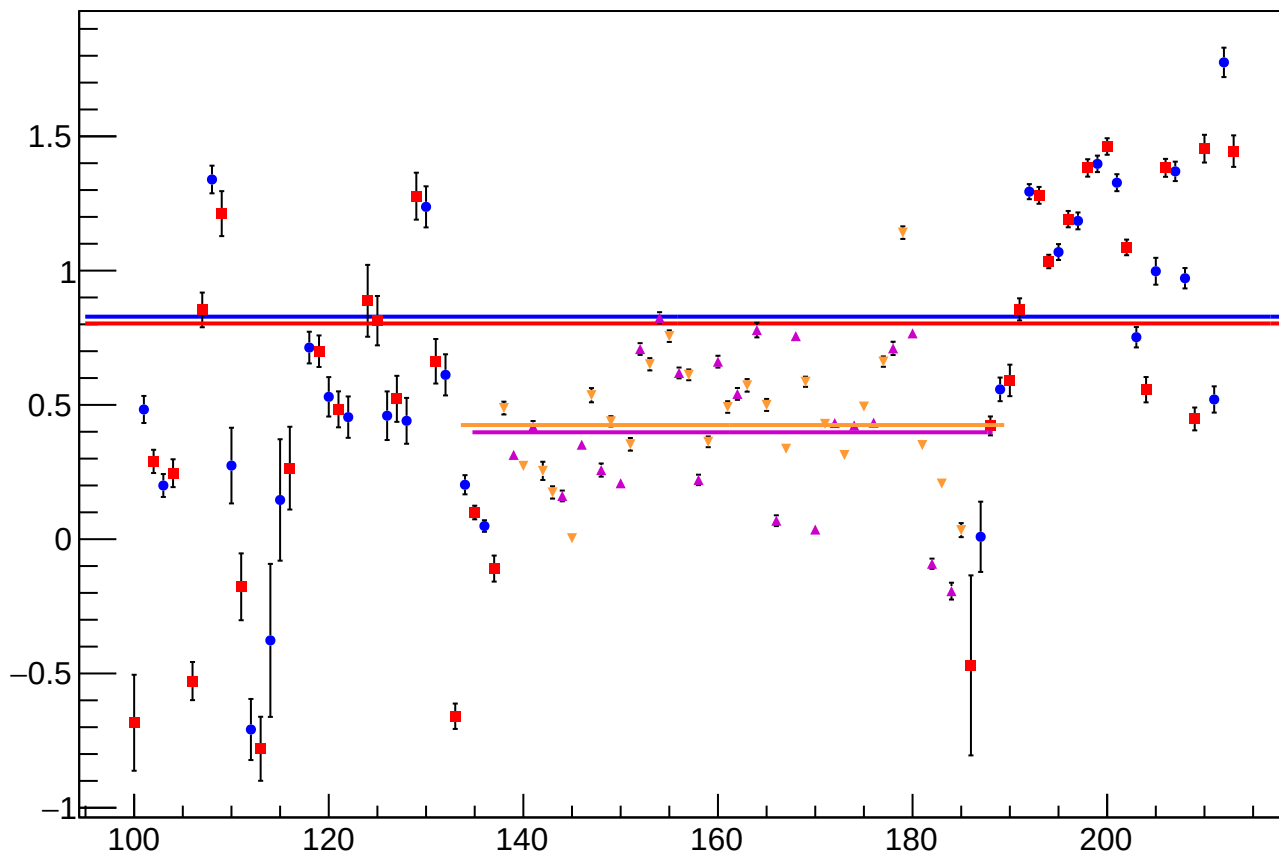
Left In: -72.763 ± 0.093 χ^2/NDF : 12612.6/22

+ sign -73.329 ± 0.081 χ^2/NDF : 54233.7/53

All: -72.790 ± 0.058 χ^2/NDF : 113065.0/110

- sign -72.231 ± 0.083 χ^2/NDF : 58741.9/56

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.829 $\pm$ 0.008 χ^2/NDF : 4058.4/28

Left Out: 0.425 $\pm$ 0.004 χ^2/NDF :3035.4/24

Right Out: 0.803 $\pm$ 0.008 χ^2/NDF : 5275.6/33

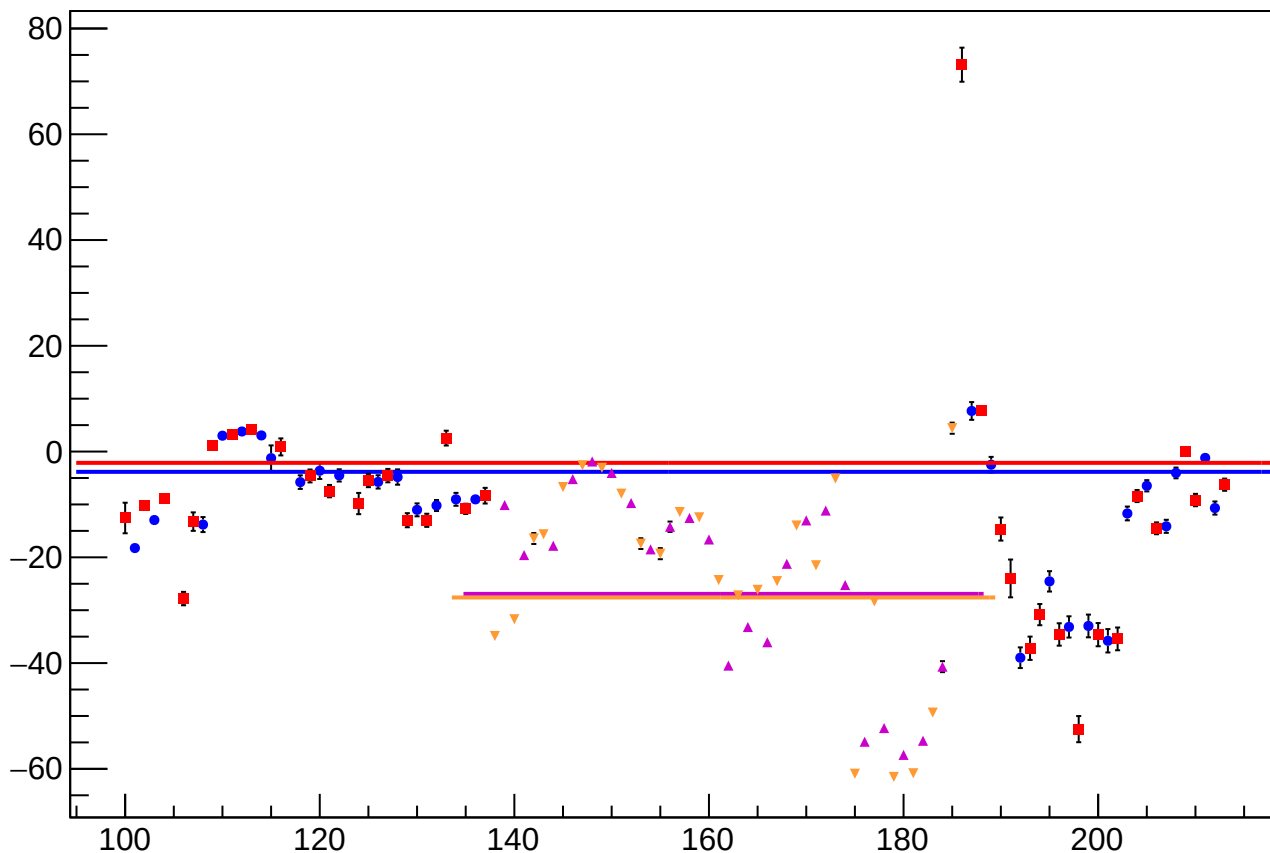
Left In: 0.398 $\pm$ 0.004 χ^2/NDF :4271.0/22

+ sign 0.505 $\pm$ 0.004 χ^2/NDF : 9056.4/53

All: 0.496 $\pm$ 0.003 χ^2/NDF : 20716.1/110

- sign 0.486 $\pm$ 0.004 χ^2/NDF : 11646.6/56

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.835 ± 0.171 χ^2/NDF : 2809.1/28

Left Out: -27.594 ± 0.144 χ^2/NDF : 19761.6/24

Right Out: -2.135 ± 0.154 χ^2/NDF : 4076.8/33

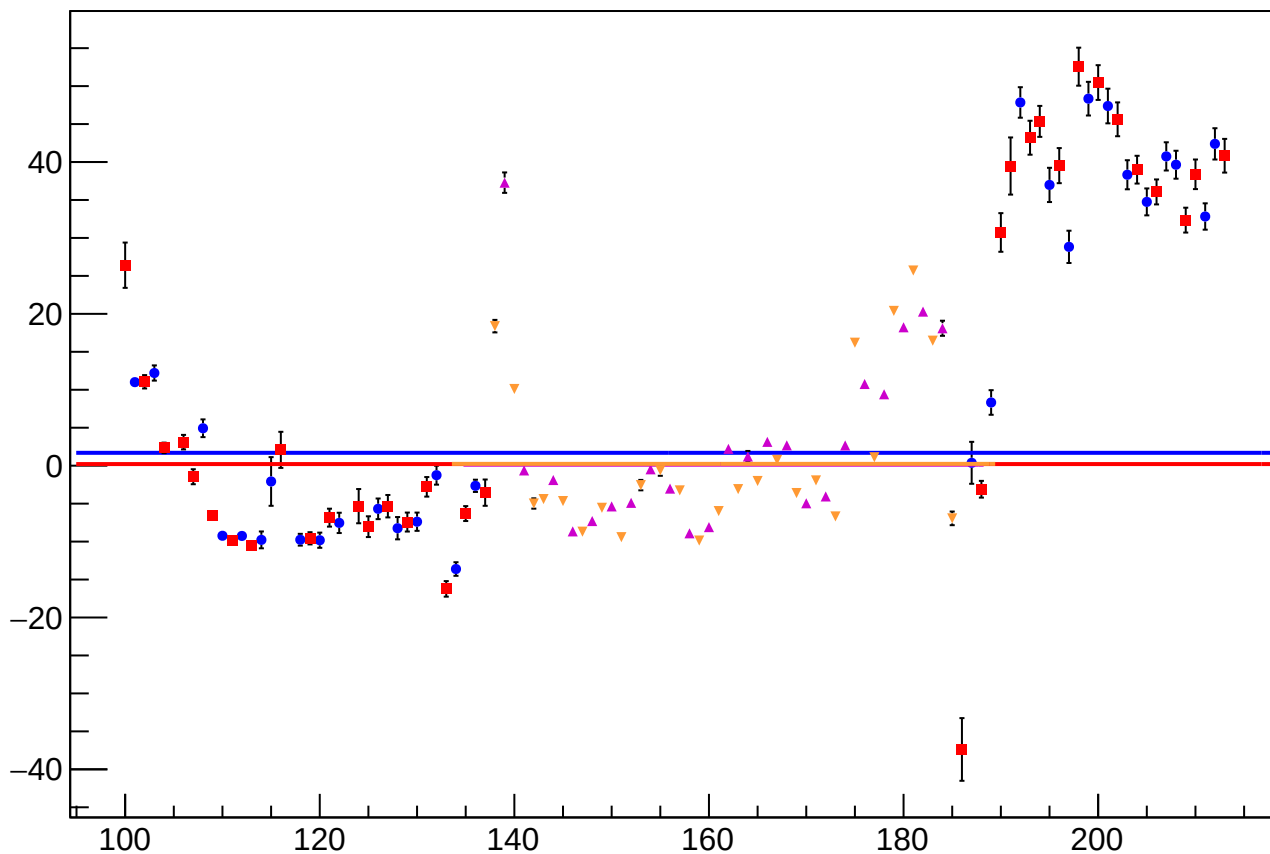
Left In: -26.918 ± 0.149 χ^2/NDF : 15536.6/22

+ sign -17.741 ± 0.110 χ^2/NDF : 33811.9/53

All: -16.290 ± 0.077 χ^2/NDF : 67112.5/110

- sign -14.923 ± 0.107 χ^2/NDF : 32965.3/56

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 1.694 ± 0.209 χ^2/NDF : 6104.4/28

Left Out: 0.238 ± 0.110 χ^2/NDF : 8035.6/24

Right Out: 0.211 ± 0.201 χ^2/NDF : 6431.1/33

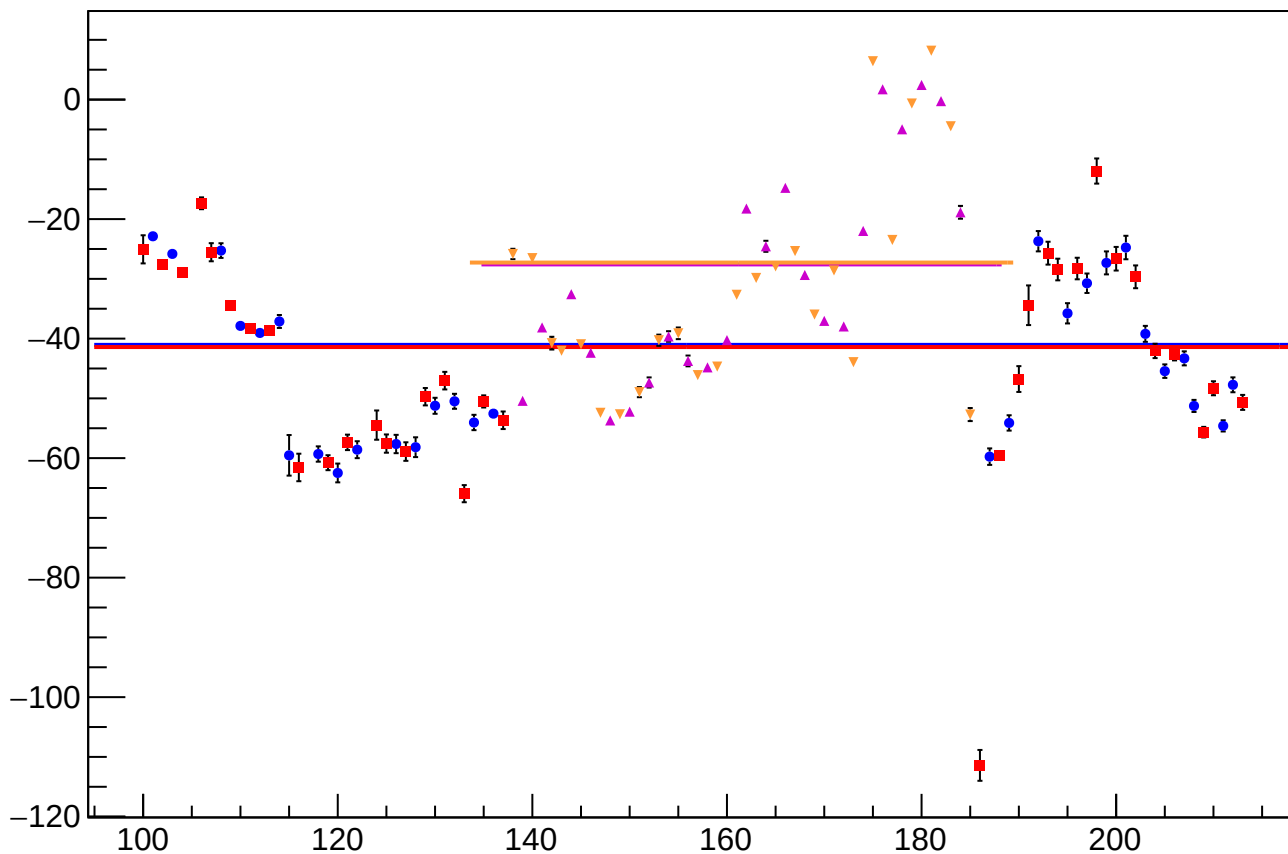
Left In: 0.131 ± 0.114 χ^2/NDF : 5837.4/22

+ sign 0.556 ± 0.098 χ^2/NDF : 14178.1/53

All: 0.358 ± 0.070 χ^2/NDF : 26455.1/110

- sign 0.151 ± 0.100 χ^2/NDF : 12268.6/56

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.048 ± 0.192 χ^2/NDF : 3930.4/28

Left Out: -27.271 ± 0.144 χ^2/NDF : 18526.9/24

Right Out: -41.411 ± 0.180 χ^2/NDF : 5352.8/33

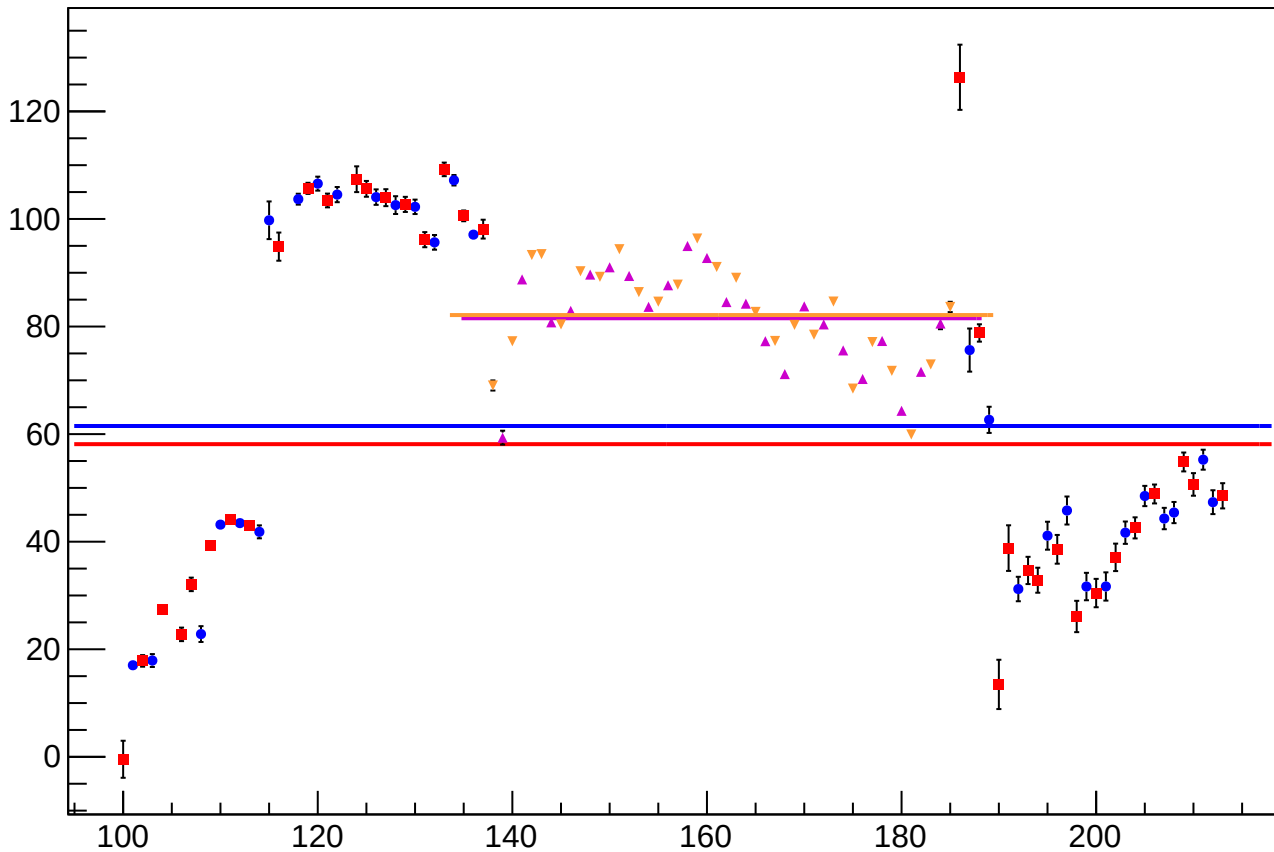
Left In: -27.583 ± 0.148 χ^2/NDF : 15648.7/22

+ sign -32.237 ± 0.115 χ^2/NDF : 25761.7/53

All: -32.715 ± 0.081 χ^2/NDF : 50325.8/110

- sign -33.187 ± 0.114 χ^2/NDF : 24529.7/56

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.509+/-0.238 χ^2 /NDF: 19592.5/28

Left Out: 82.134+/-0.125 χ^2 /NDF: 5375.9/24

Right Out: 58.133+/-0.230 χ^2 /NDF: 18563.5/33

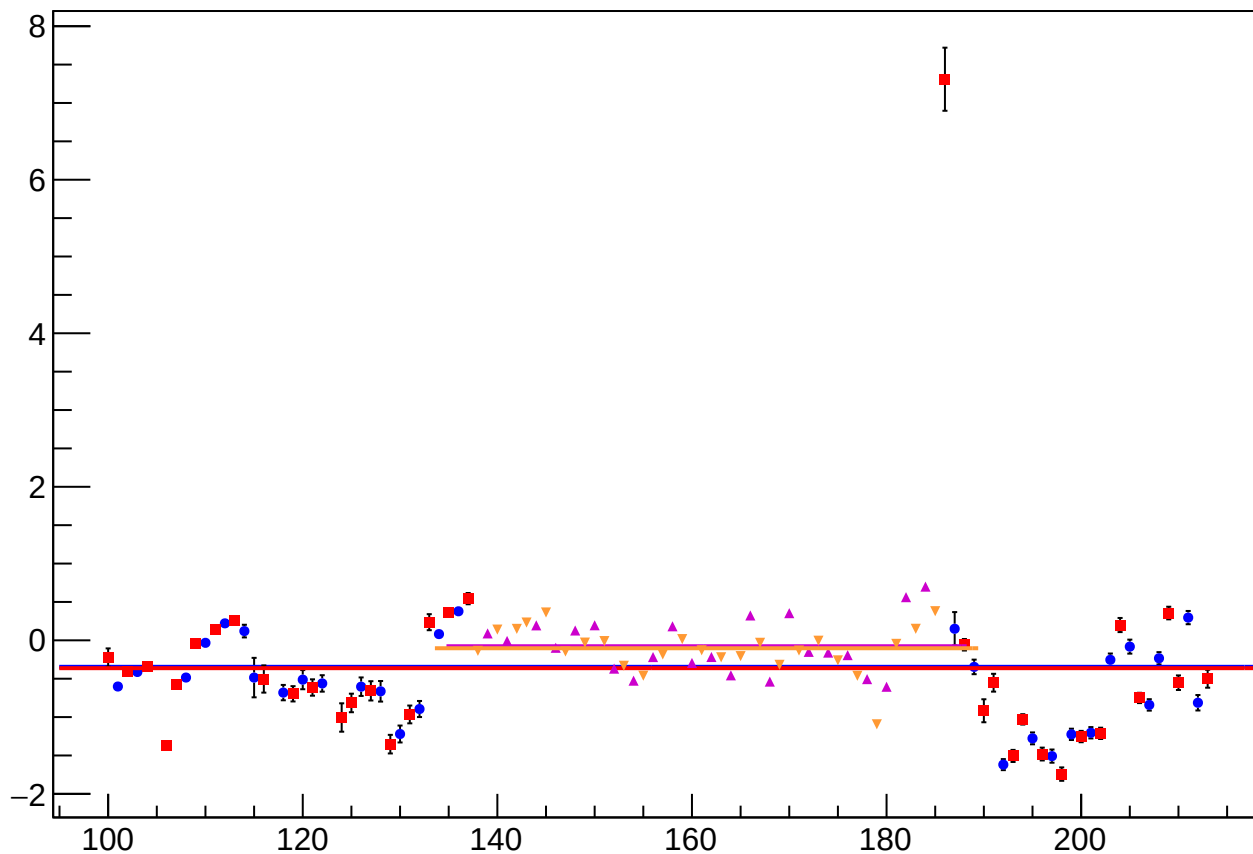
Left In: 81.539+/-0.129 χ^2 /NDF: 4043.0/22

+ sign 77.695+/-0.111 χ^2 /NDF: 30849.8/53

All: 76.835+/-0.079 χ^2 /NDF: 61454.7/110

- sign 75.944+/-0.112 χ^2 /NDF: 30481.5/56

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.345 ± 0.012 $\chi^2/\text{NDF}: 2106.2/28$

Left Out: -0.103 ± 0.006 $\chi^2/\text{NDF}: 2408.2/24$

Right Out: -0.363 ± 0.011 $\chi^2/\text{NDF}: 3044.9/33$

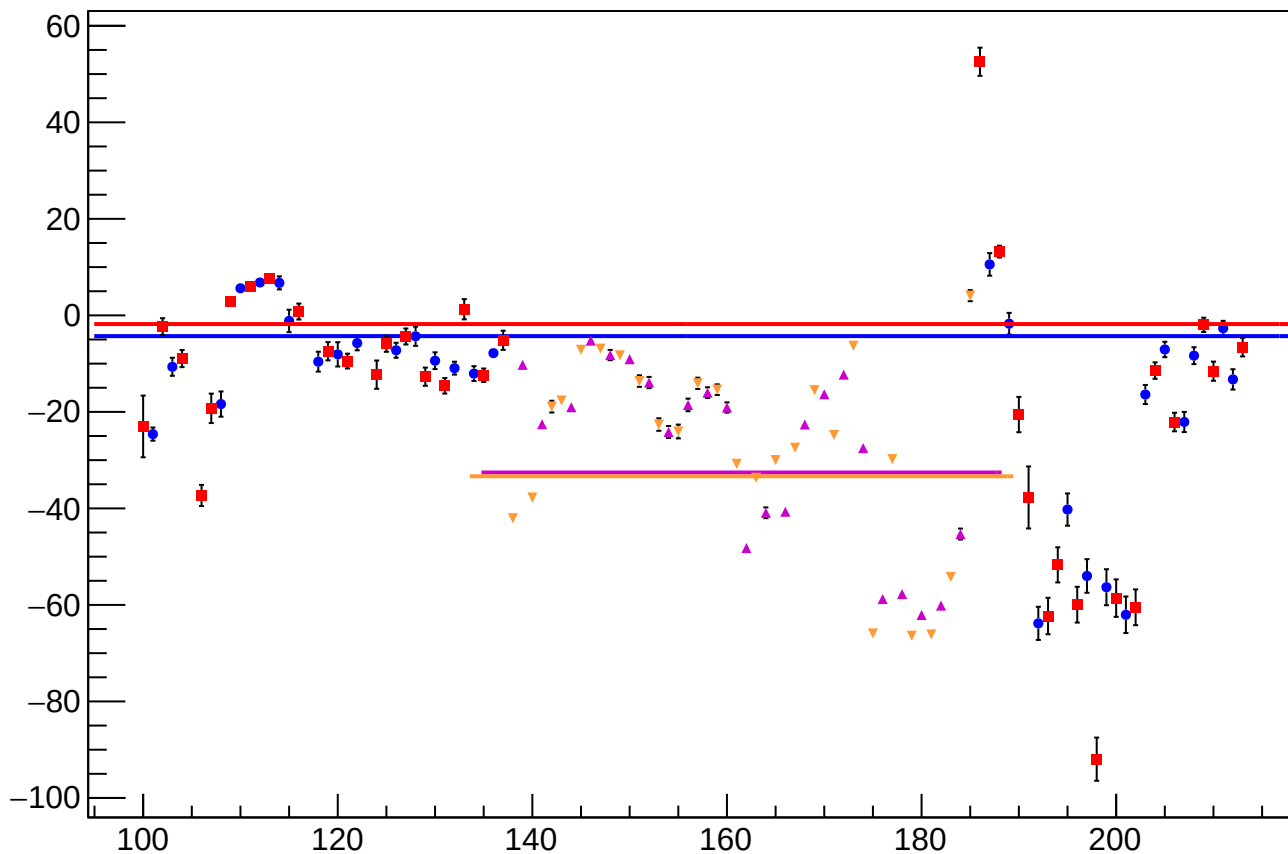
Left In: -0.077 ± 0.006 $\chi^2/\text{NDF}: 3320.8/22$

+ sign -0.149 ± 0.005 $\chi^2/\text{NDF}: 4865.0/53$

All: -0.143 ± 0.004 $\chi^2/\text{NDF}: 11749.5/110$

- sign -0.136 ± 0.005 $\chi^2/\text{NDF}: 6881.5/56$

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.299 ± 0.276 $\chi^2/\text{NDF}: 2199.1/28$

Left Out: -33.346 ± 0.165 $\chi^2/\text{NDF}: 17989.6/24$

Right Out: -1.802 ± 0.254 $\chi^2/\text{NDF}: 3264.8/33$

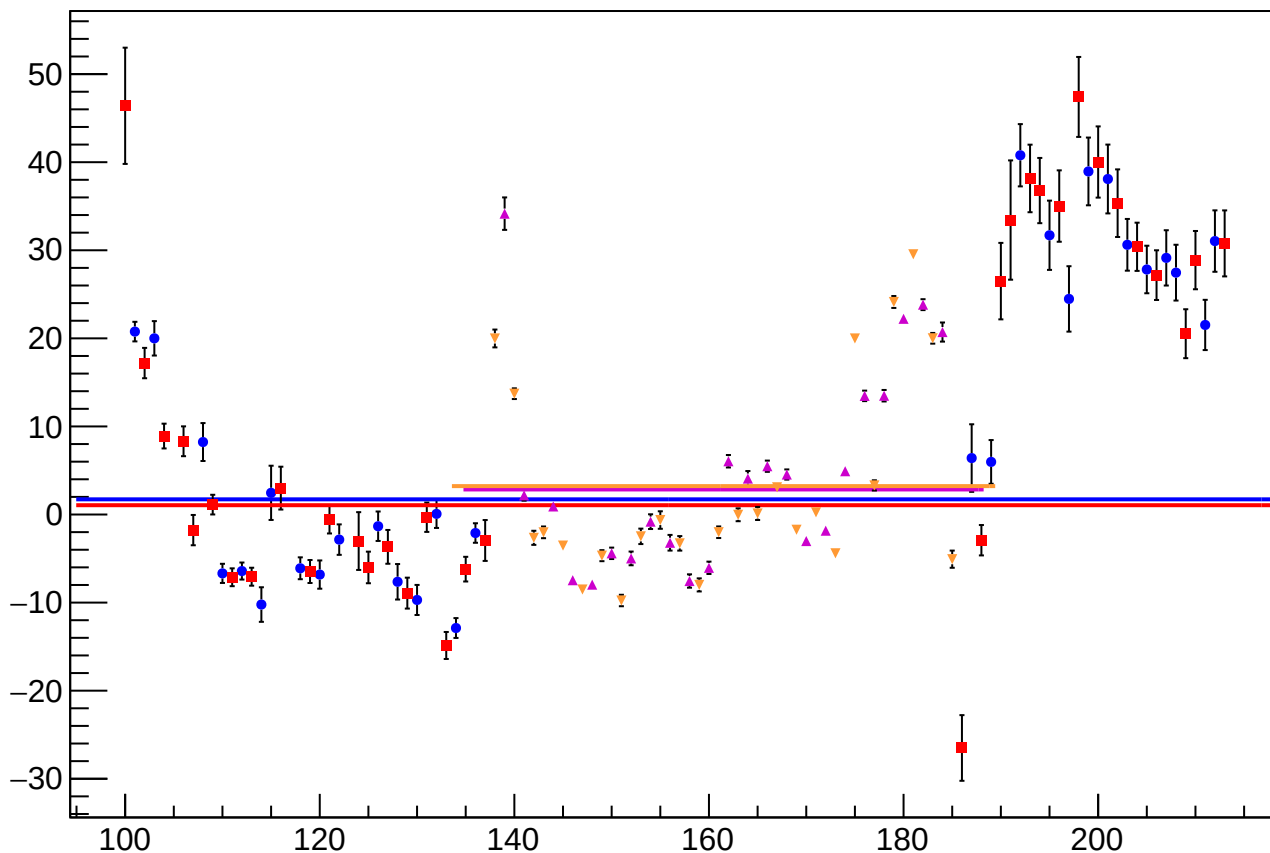
Left In: -32.559 ± 0.169 $\chi^2/\text{NDF}: 13896.0/22$

+ sign -25.708 ± 0.141 $\chi^2/\text{NDF}: 28376.1/53$

All: -24.401 ± 0.100 $\chi^2/\text{NDF}: 55843.7/110$

- sign -23.099 ± 0.141 $\chi^2/\text{NDF}: 27296.7/56$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.724 ± 0.331 χ^2/NDF : 1738.3/28

Left Out: 3.224 ± 0.128 χ^2/NDF : 7675.6/24

Right Out: 1.057 ± 0.327 χ^2/NDF : 1579.2/33

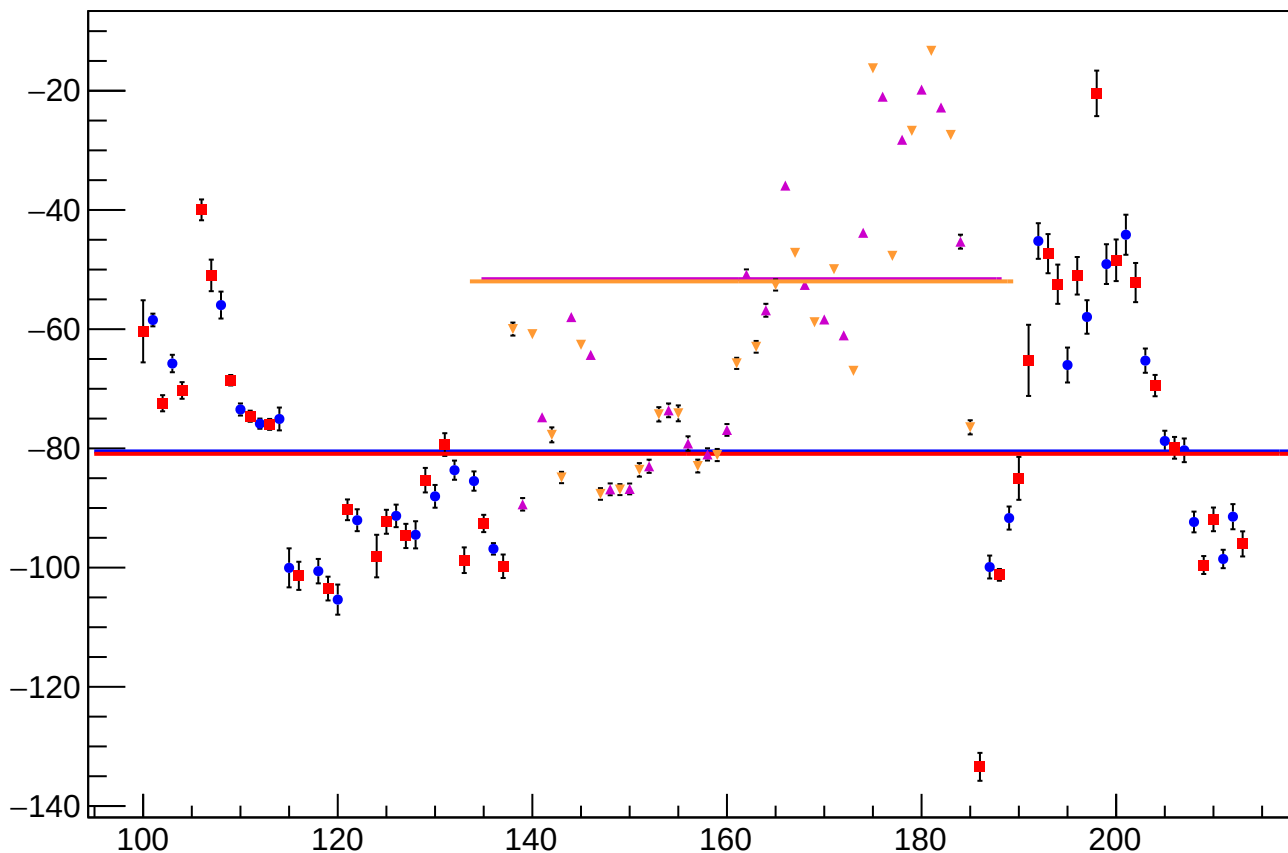
Left In: 2.845 ± 0.131 χ^2/NDF : 5455.5/22

+ sign 3.029 ± 0.119 χ^2/NDF : 9431.8/53

All: 2.817 ± 0.085 χ^2/NDF : 16498.6/110

- sign 2.598 ± 0.122 χ^2/NDF : 7060.4/56

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.510 ± 0.310 χ^2/NDF : 2225.1/28

Left Out: -51.982 ± 0.165 χ^2/NDF : 20887.7/24

Right Out: -80.909 ± 0.296 χ^2/NDF : 3523.9/33

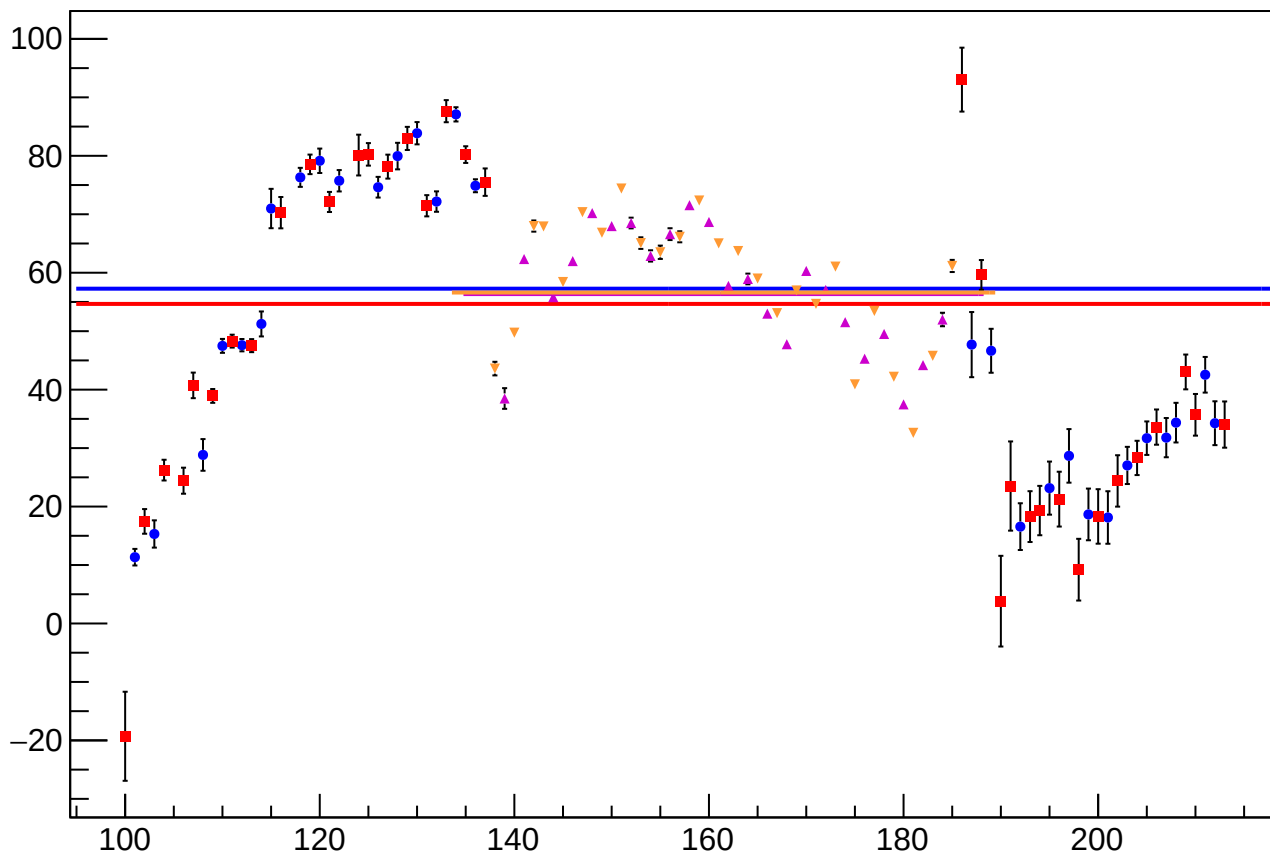
Left In: -51.612 ± 0.169 χ^2/NDF : 17624.2/22

+ sign -58.271 ± 0.146 χ^2/NDF : 29717.4/53

All: -58.536 ± 0.103 χ^2/NDF : 58245.3/110

- sign -58.806 ± 0.147 χ^2/NDF : 28521.2/56

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.270 $\pm$ 0.373 χ^2 /NDF: 4019.0/28

Left Out: 56.612 $\pm$ 0.144 χ^2 /NDF: 5666.2/24

Right Out: 54.664 $\pm$ 0.372 χ^2 /NDF: 3520.8/33

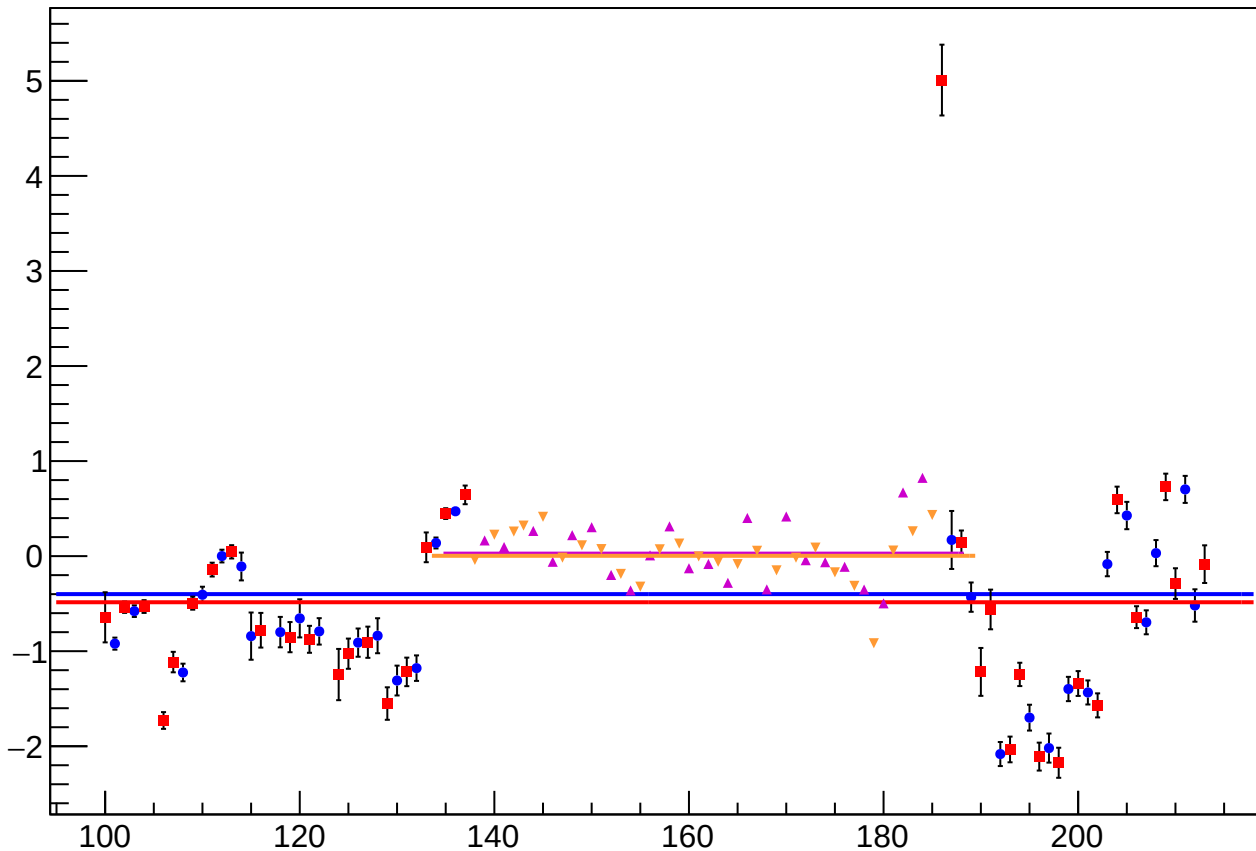
Left In: 56.348 $\pm$ 0.147 χ^2 /NDF: 3968.7/22

+ sign 56.697 $\pm$ 0.134 χ^2 /NDF: 9687.9/53

All: 56.414 $\pm$ 0.096 χ^2 /NDF: 17204.1/110

- sign 56.119 $\pm$ 0.137 χ^2 /NDF: 7507.2/56

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.400 ± 0.019 χ^2/NDF : 1384.6/28

Left Out: 0.004 ± 0.006 χ^2/NDF : 1701.0/24

Right Out: -0.485 ± 0.019 χ^2/NDF : 1756.3/33

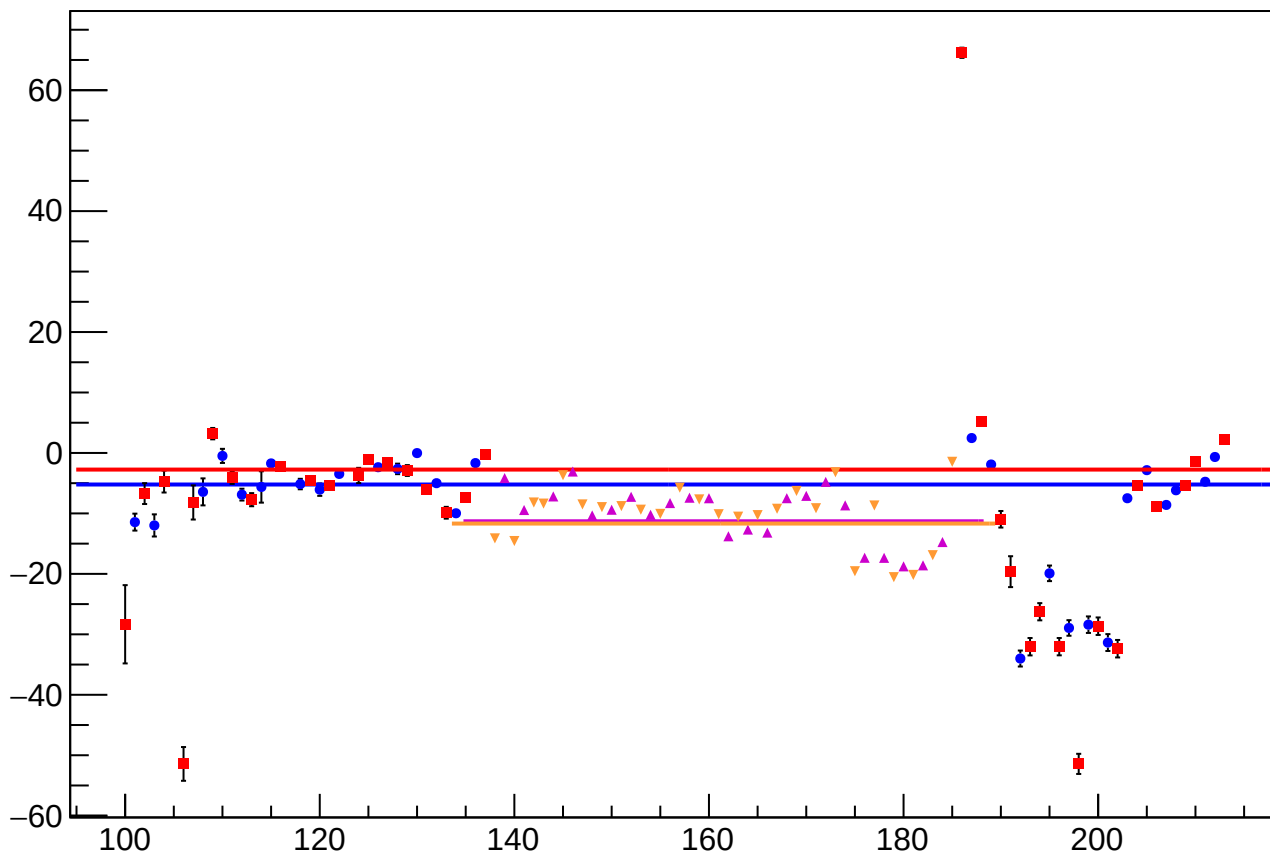
Left In: 0.026 ± 0.007 χ^2/NDF : 2349.0/22

+ sign -0.038 ± 0.006 χ^2/NDF : 3490.9/53

All: -0.034 ± 0.004 χ^2/NDF : 8243.8/110

- sign -0.029 ± 0.006 χ^2/NDF : 4751.7/56

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.219 ± 0.146 χ^2/NDF : 2074.9/28

Left Out: -11.680 ± 0.053 χ^2/NDF : 12602.3/24

Right Out: -2.750 ± 0.146 χ^2/NDF : 10570.3/33

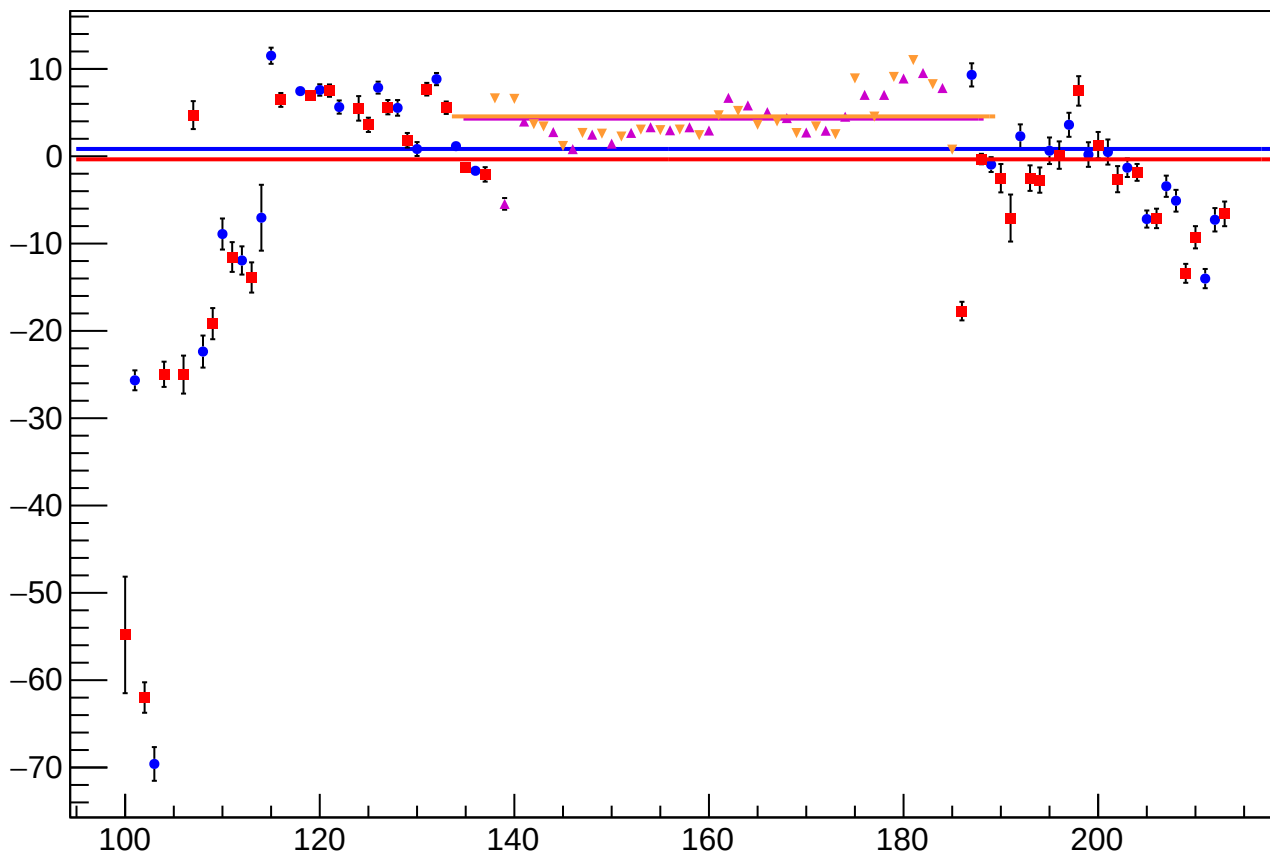
Left In: -11.301 ± 0.054 χ^2/NDF : 9229.2/22

+ sign -10.935 ± 0.050 χ^2/NDF : 16413.8/53

All: -10.614 ± 0.035 χ^2/NDF : 39302.5/110

- sign -10.278 ± 0.051 χ^2/NDF : 22802.7/56

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.836 ± 0.164 $\chi^2/\text{NDF}: 3245.0/28$

Left Out: 4.564 ± 0.041 $\chi^2/\text{NDF}: 4356.3/24$

Right Out: -0.353 ± 0.172 $\chi^2/\text{NDF}: 3199.1/33$

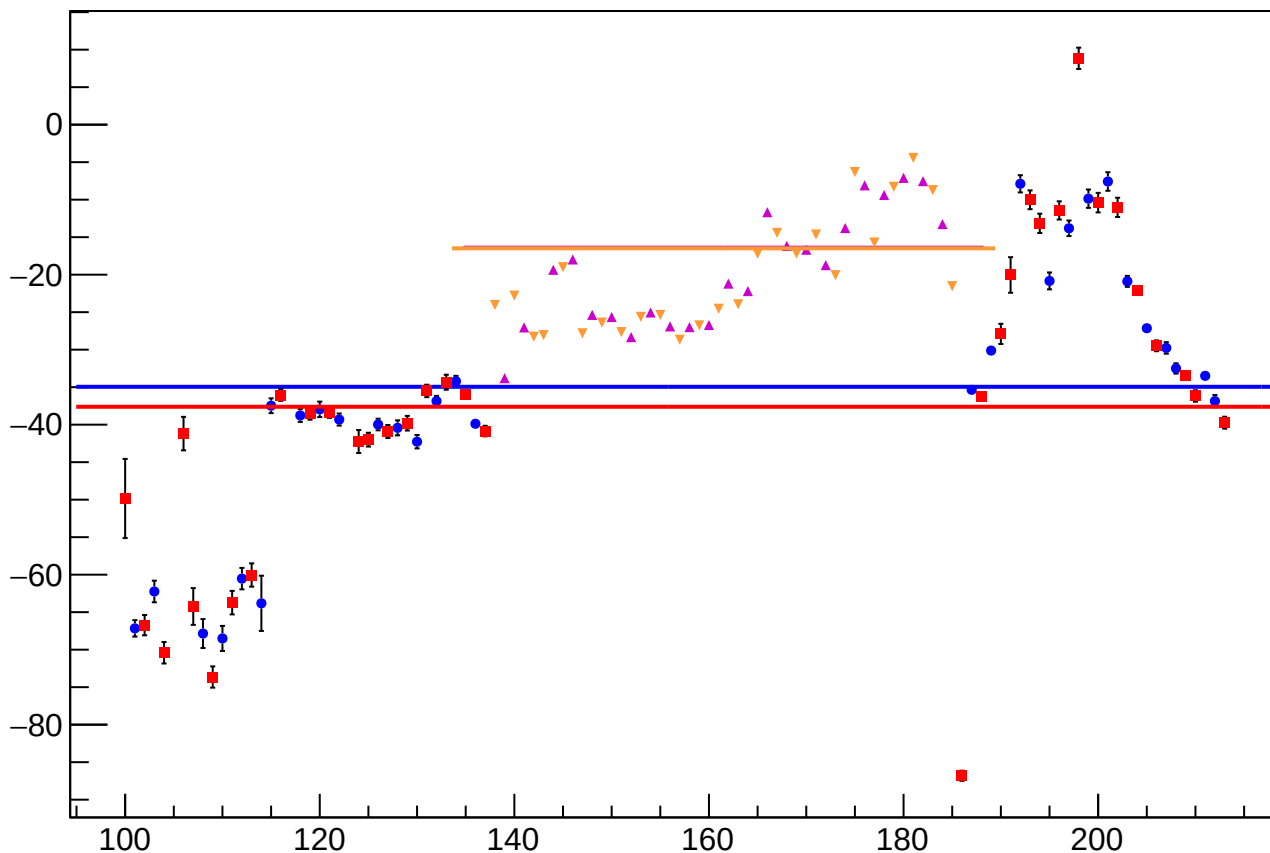
Left In: 4.308 ± 0.042 $\chi^2/\text{NDF}: 3609.0/22$

+ sign 4.341 ± 0.040 $\chi^2/\text{NDF}: 8085.6/53$

All: 4.196 ± 0.029 $\chi^2/\text{NDF}: 15610.9/110$

- sign 4.045 ± 0.041 $\chi^2/\text{NDF}: 7498.6/56$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.949 ± 0.150 $\chi^2/\text{NDF}: 5395.2/28$

Left Out: -16.492 ± 0.053 $\chi^2/\text{NDF}: 21982.6/24$

Right Out: -37.612 ± 0.149 $\chi^2/\text{NDF}: 11820.8/33$

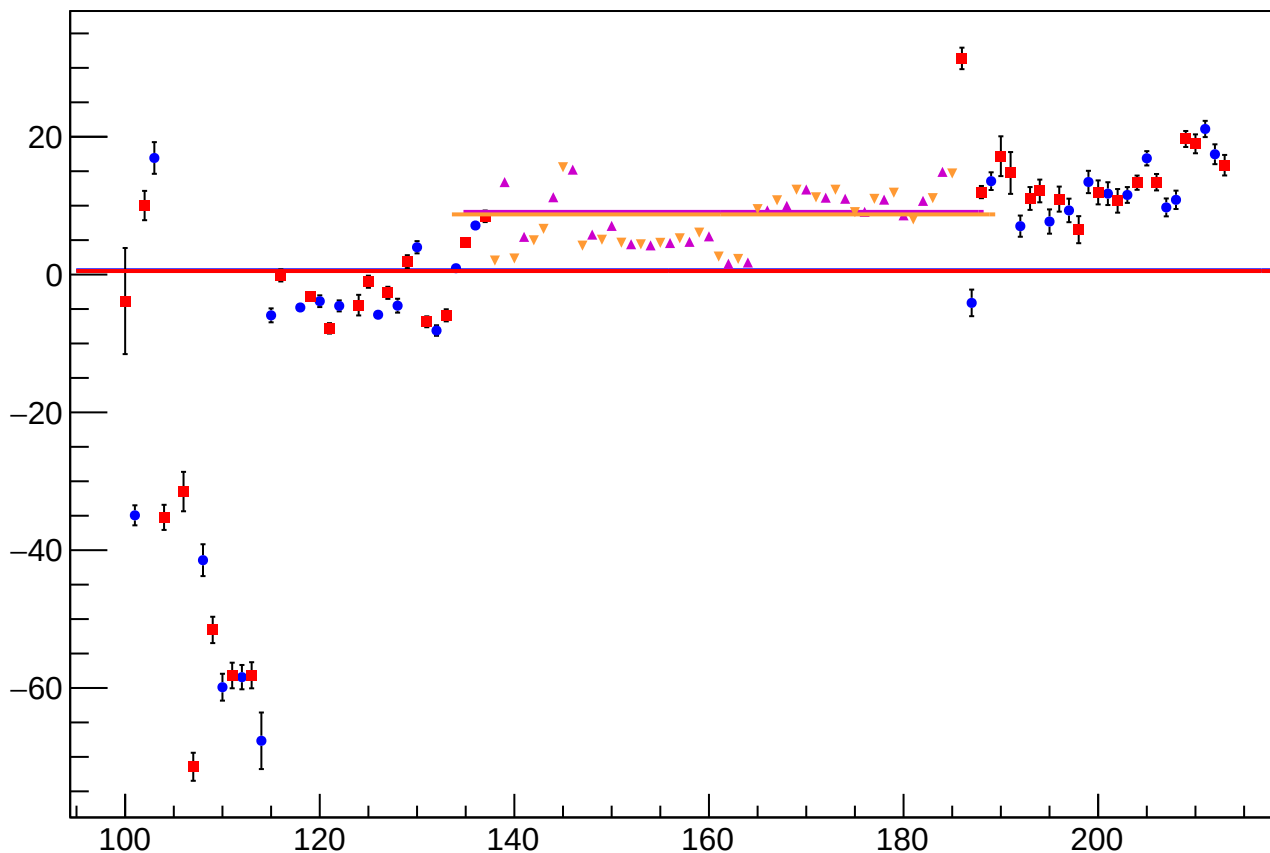
Left In: -16.403 ± 0.054 $\chi^2/\text{NDF}: 18032.3/22$

+ sign -18.514 ± 0.050 $\chi^2/\text{NDF}: 40773.9/53$

All: -18.678 ± 0.036 $\chi^2/\text{NDF}: 88494.5/110$

- sign -18.848 ± 0.051 $\chi^2/\text{NDF}: 47698.5/56$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.620 $\pm$ 0.184 χ^2 /NDF: 5171.2/28

Left Out: 8.735 $\pm$ 0.046 χ^2 /NDF: 6875.5/24

Right Out: 0.514 $\pm$ 0.197 χ^2 /NDF: 6602.9/33

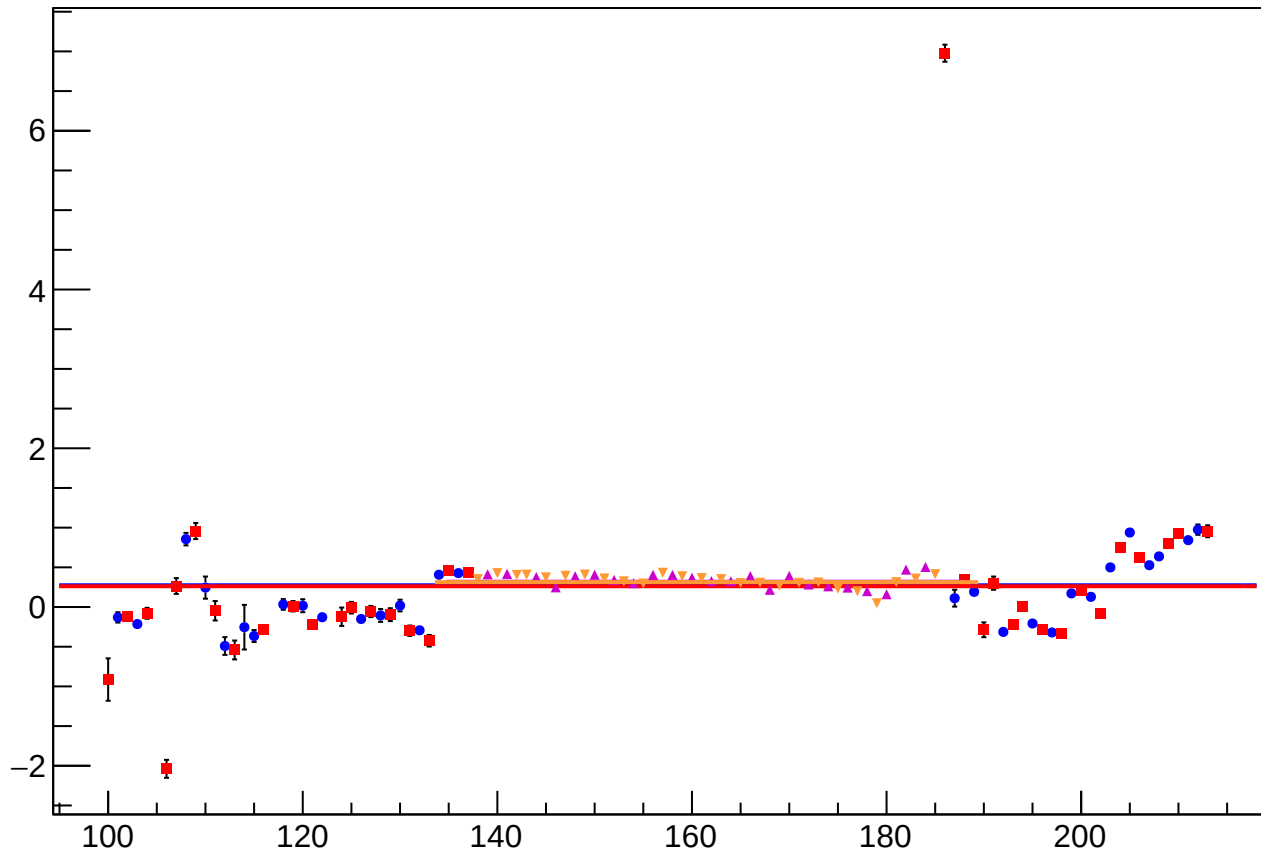
Left In: 9.096 $\pm$ 0.047 χ^2 /NDF: 5739.5/22

+ sign 8.254 $\pm$ 0.045 χ^2 /NDF: 13874.4/53

All: 8.438 $\pm$ 0.032 χ^2 /NDF: 28052.7/110

- sign 8.631 $\pm$ 0.046 χ^2 /NDF: 14143.7/56

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.274 ± 0.009 χ^2/NDF : 1459.1/28

Left Out: 0.314 ± 0.002 χ^2/NDF : 1602.1/24

Right Out: 0.262 ± 0.010 χ^2/NDF : 5850.2/33

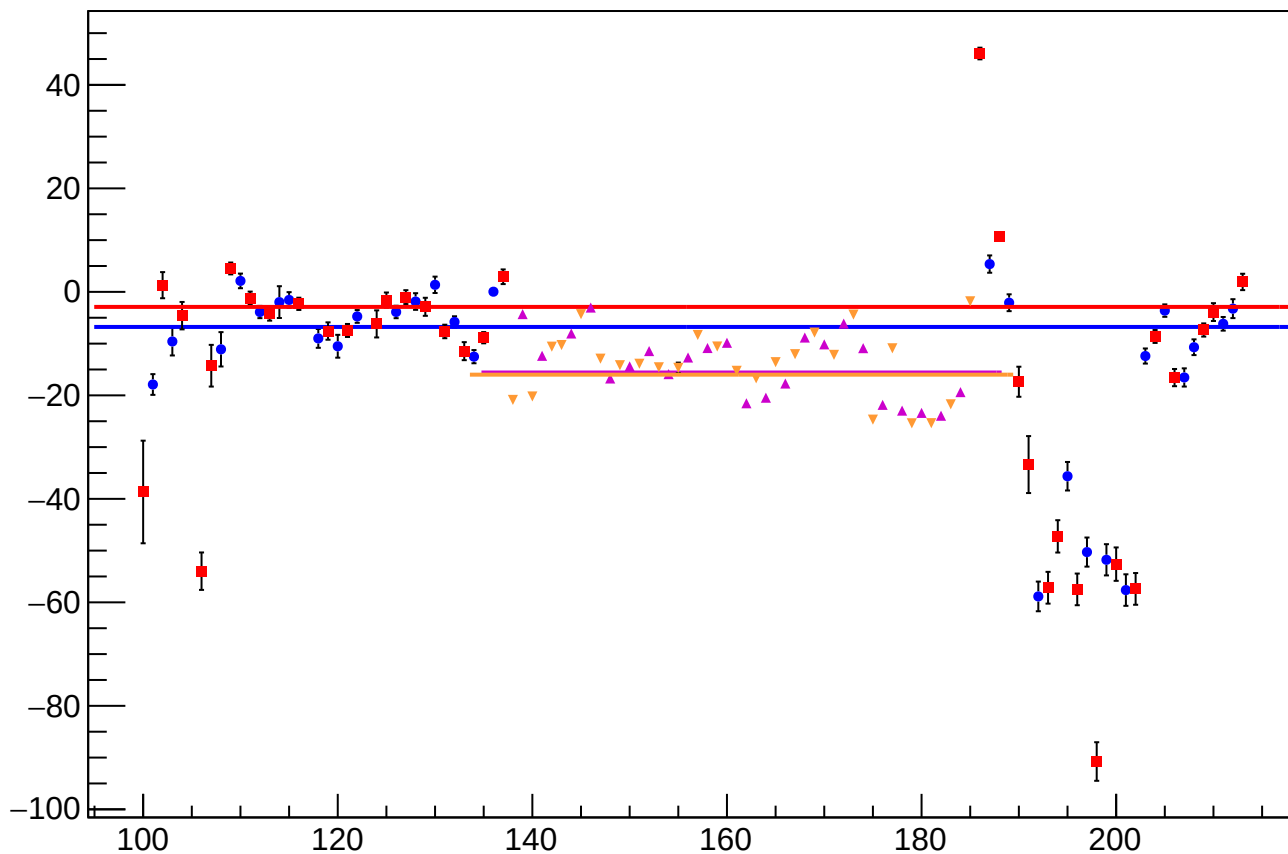
Left In: 0.319 ± 0.002 χ^2/NDF : 1787.8/22

+ sign 0.312 ± 0.002 χ^2/NDF : 3079.8/53

All: 0.314 ± 0.001 χ^2/NDF : 10752.1/110

- sign 0.316 ± 0.002 χ^2/NDF : 7670.2/56

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.777 ± 0.283 $\chi^2/\text{NDF}: 1560.5/28$

Left Out: -16.000 ± 0.099 $\chi^2/\text{NDF}: 5962.8/24$

Right Out: -2.906 ± 0.278 $\chi^2/\text{NDF}: 4588.5/33$

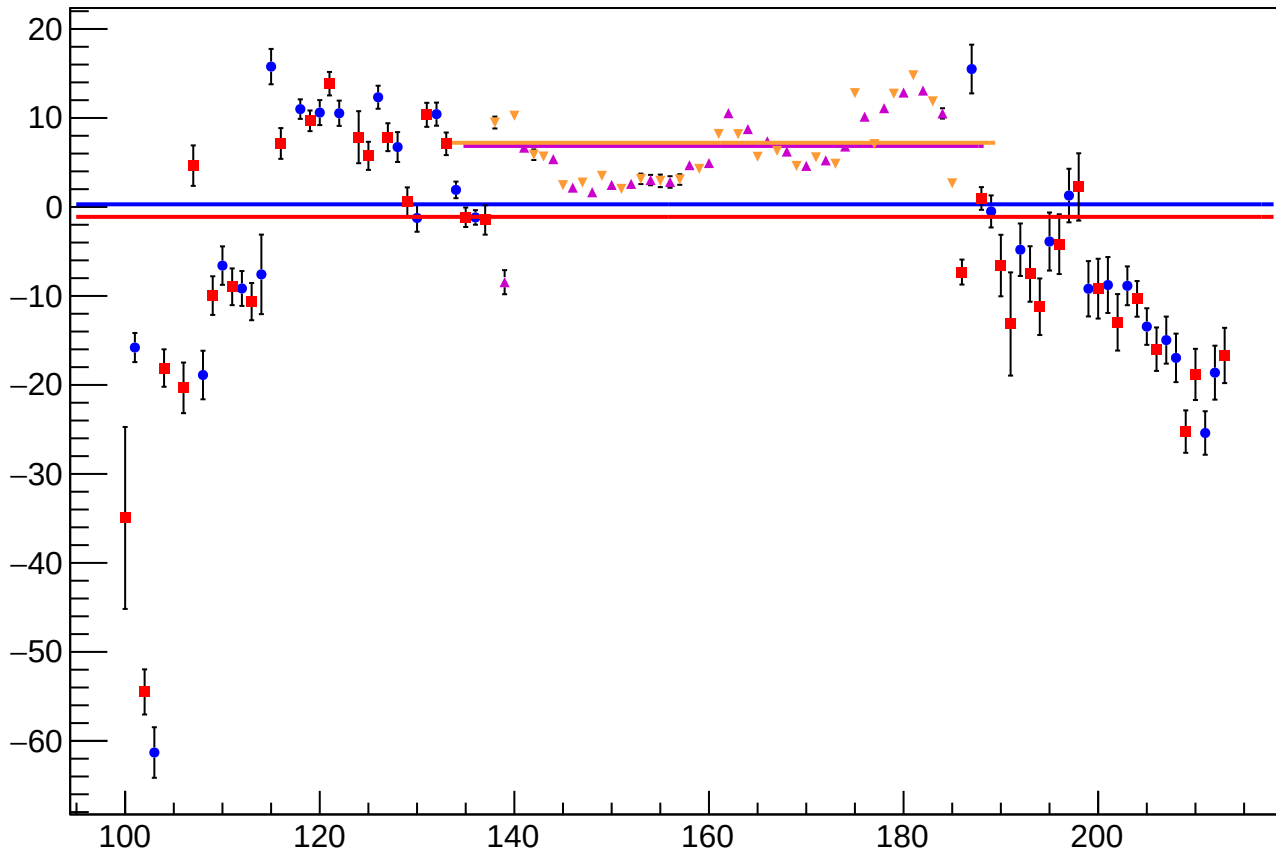
Left In: -15.582 ± 0.102 $\chi^2/\text{NDF}: 4759.9/22$

+ sign -14.988 ± 0.094 $\chi^2/\text{NDF}: 8468.2/53$

All: -14.542 ± 0.067 $\chi^2/\text{NDF}: 19697.1/110$

- sign -14.077 ± 0.096 $\chi^2/\text{NDF}: 11182.6/56$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.297 ± 0.319 χ^2/NDF : 1422.2/28

Left Out: 7.212 ± 0.080 χ^2/NDF : 2455.9/24

Right Out: -1.114 ± 0.328 χ^2/NDF : 1325.6/33

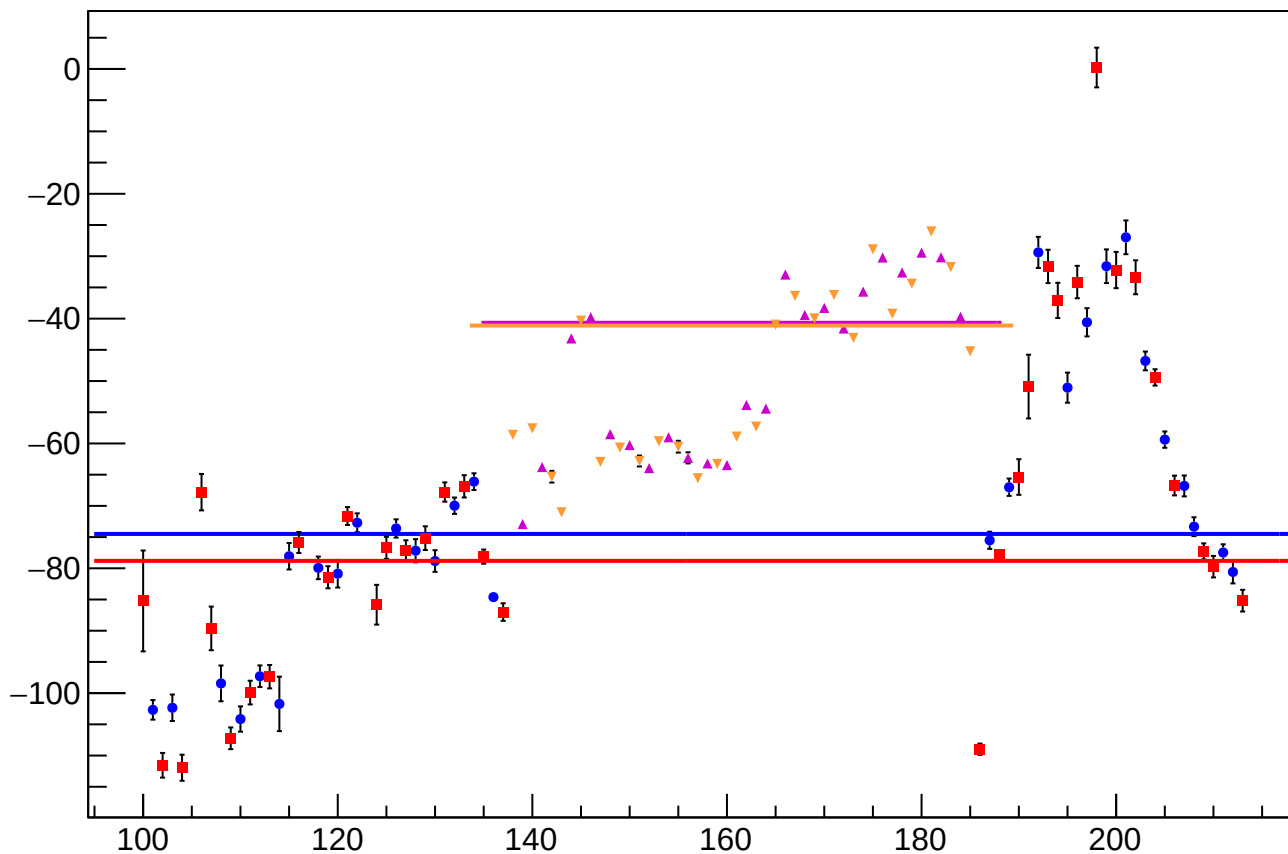
Left In: 6.856 ± 0.081 χ^2/NDF : 2156.4/22

+ sign 6.802 ± 0.078 χ^2/NDF : 4320.0/53

All: 6.602 ± 0.055 χ^2/NDF : 8372.7/110

- sign 6.396 ± 0.079 χ^2/NDF : 4039.3/56

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.495 ± 0.297 $\chi^2/\text{NDF}: 3026.1/28$

Left Out: -41.111 ± 0.100 $\chi^2/\text{NDF}: 16000.8/24$

Right Out: -78.809 ± 0.288 $\chi^2/\text{NDF}: 4934.1/33$

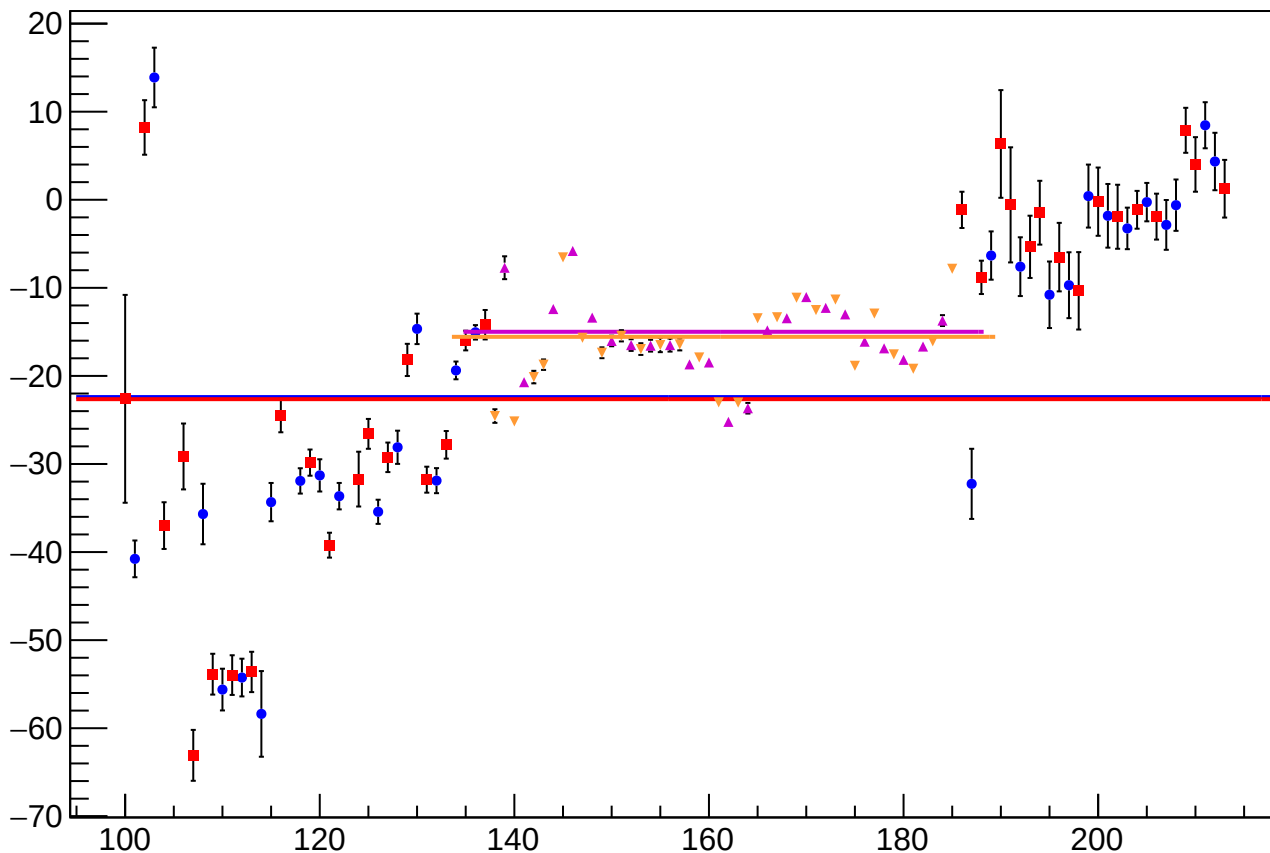
Left In: -40.665 ± 0.102 $\chi^2/\text{NDF}: 13541.3/22$

+ sign -44.504 ± 0.095 $\chi^2/\text{NDF}: 30354.8/53$

All: -44.721 ± 0.068 $\chi^2/\text{NDF}: 64464.8/110$

- sign -44.945 ± 0.096 $\chi^2/\text{NDF}: 34099.4/56$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -22.404 ± 0.357 χ^2/NDF : 1720.4/28

Left Out: -15.562 ± 0.089 χ^2/NDF : 2549.5/24

Right Out: -22.639 ± 0.376 χ^2/NDF : 1972.3/33

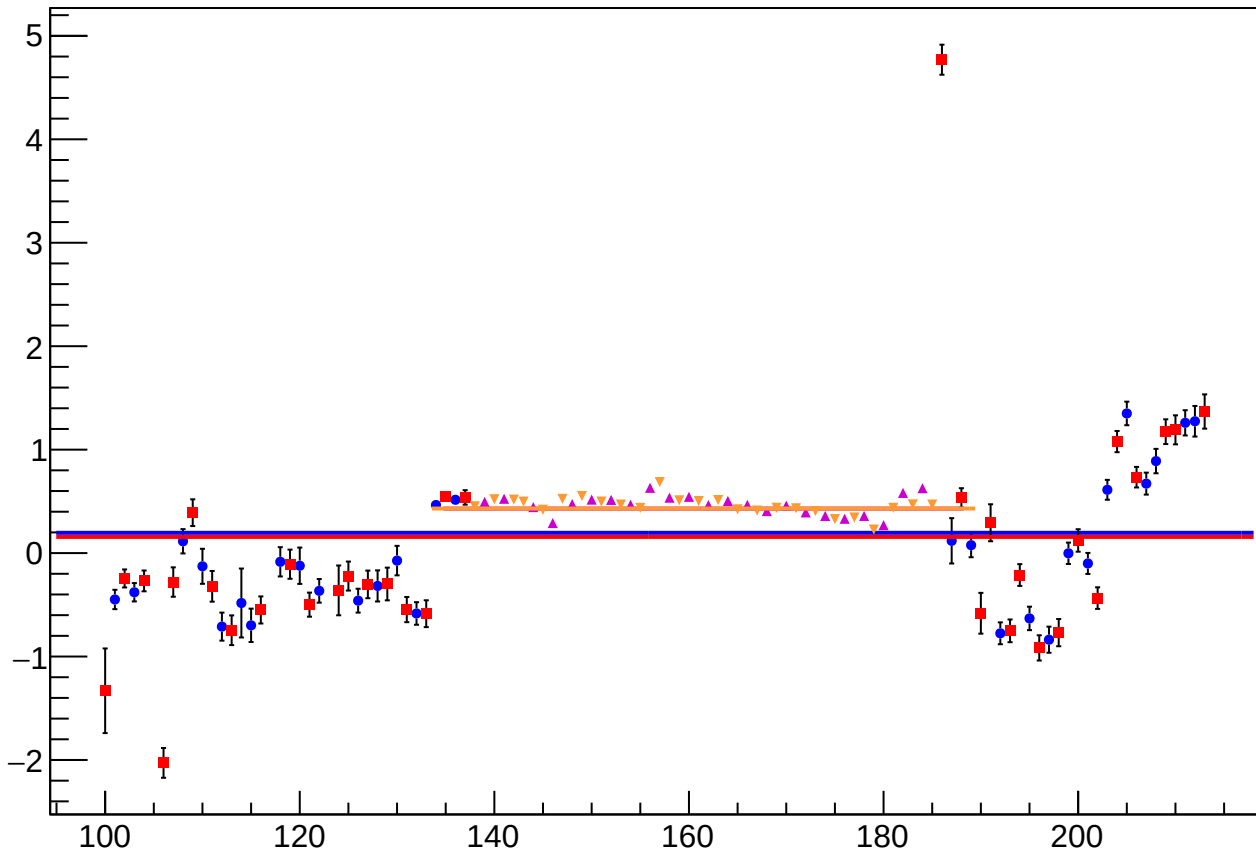
Left In: -14.990 ± 0.090 χ^2/NDF : 2150.9/22

+ sign -15.961 ± 0.086 χ^2/NDF : 4615.7/53

All: -15.689 ± 0.062 χ^2/NDF : 9150.7/110

- sign -15.407 ± 0.088 χ^2/NDF : 4514.7/56

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.196 ± 0.018 χ^2/NDF : 948.2/28

Left Out: 0.431 ± 0.004 χ^2/NDF : 418.4/24

Right Out: 0.157 ± 0.019 χ^2/NDF : 2189.7/33

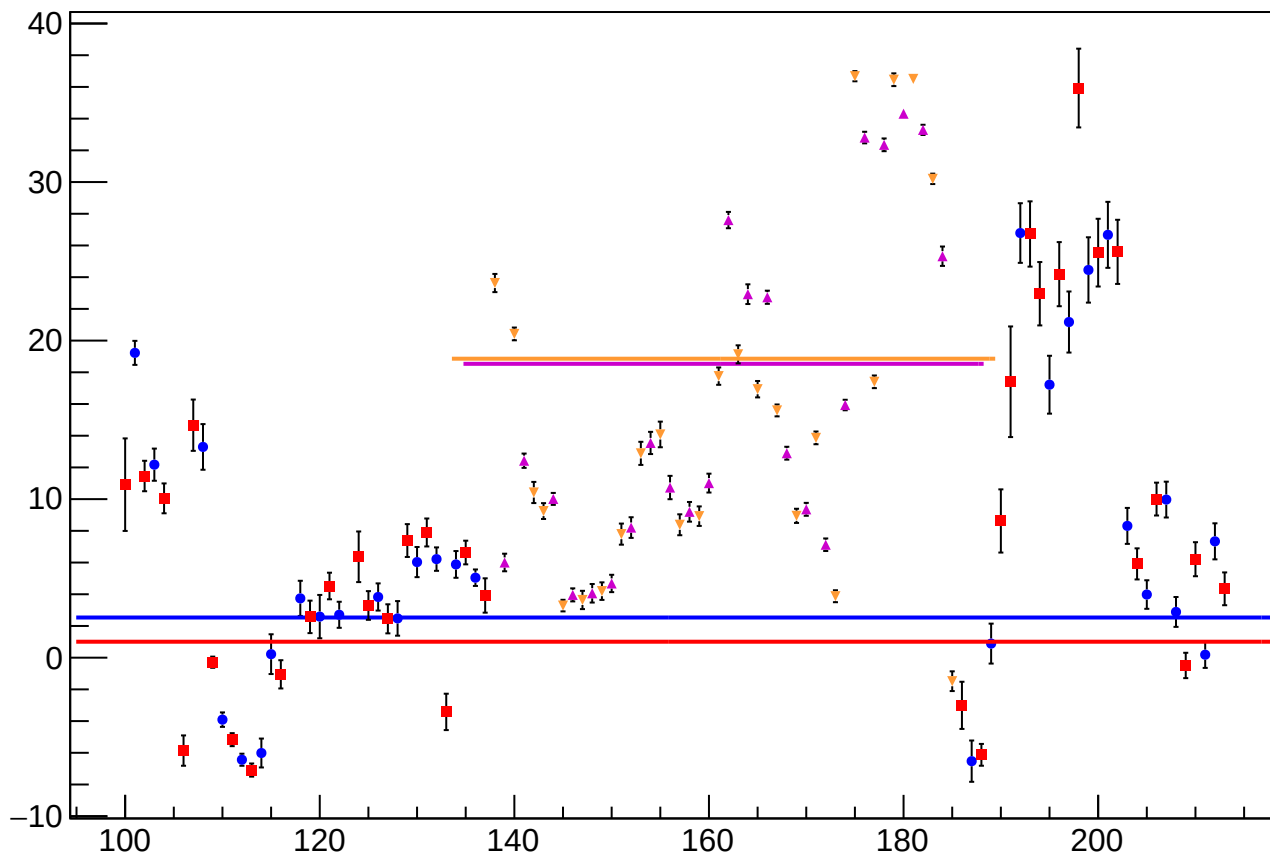
Left In: 0.430 ± 0.004 χ^2/NDF : 583.6/22

+ sign 0.420 ± 0.004 χ^2/NDF : 1532.0/53

All: 0.419 ± 0.003 χ^2/NDF : 4500.5/110

- sign 0.418 ± 0.004 χ^2/NDF : 2968.4/56

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.534 ± 0.161 $\chi^2/\text{NDF}: 2279.9/28$

Left Out: 18.858 ± 0.090 $\chi^2/\text{NDF}: 18374.1/24$

Right Out: 1.007 ± 0.149 $\chi^2/\text{NDF}: 2365.5/33$

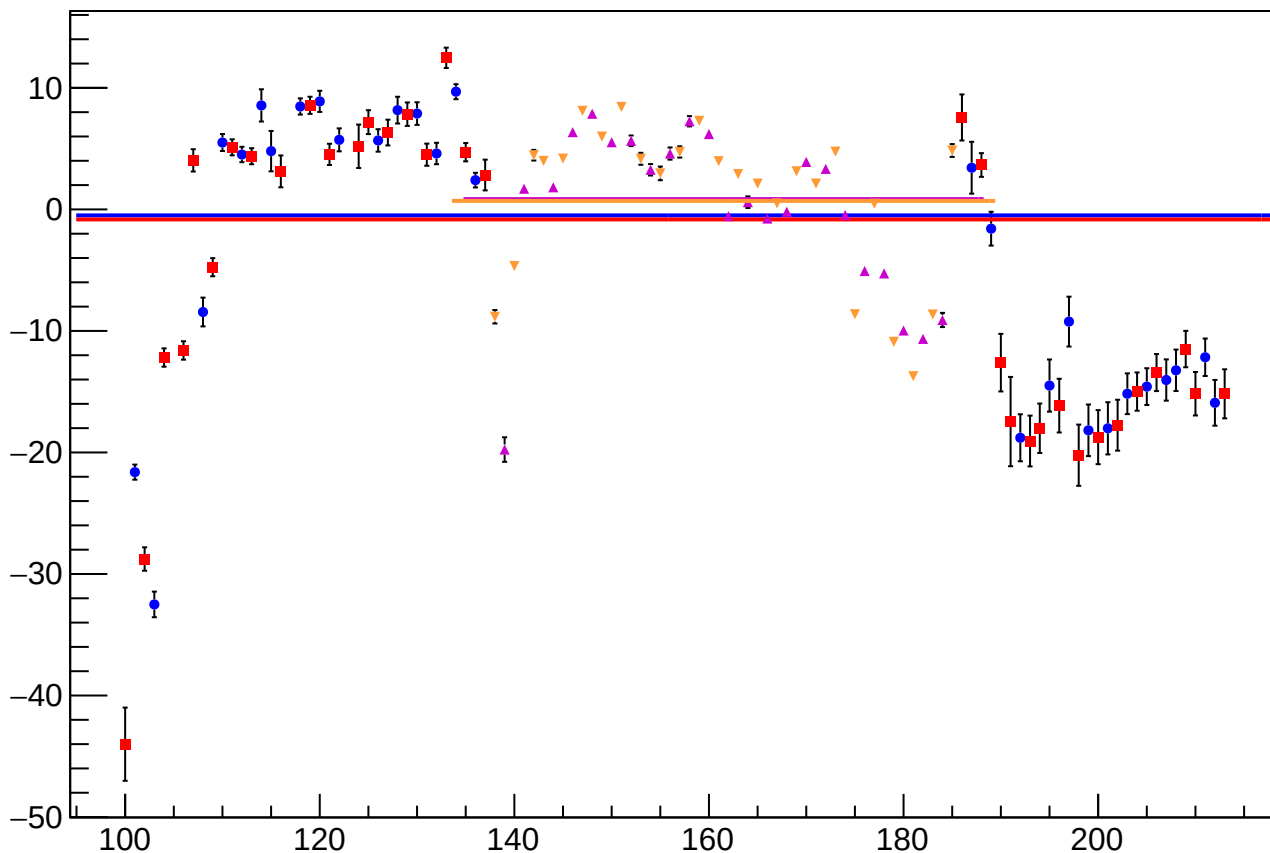
Left In: 18.535 ± 0.093 $\chi^2/\text{NDF}: 14066.0/22$

+ sign 14.950 ± 0.079 $\chi^2/\text{NDF}: 28458.8/53$

All: 14.268 ± 0.056 $\chi^2/\text{NDF}: 55022.3/110$

- sign 13.585 ± 0.079 $\chi^2/\text{NDF}: 26413.8/56$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.492 ± 0.188 χ^2/NDF : 3869.7/28

Left Out: 0.702 ± 0.071 χ^2/NDF : 8237.8/24

Right Out: -0.826 ± 0.185 χ^2/NDF : 3235.6/33

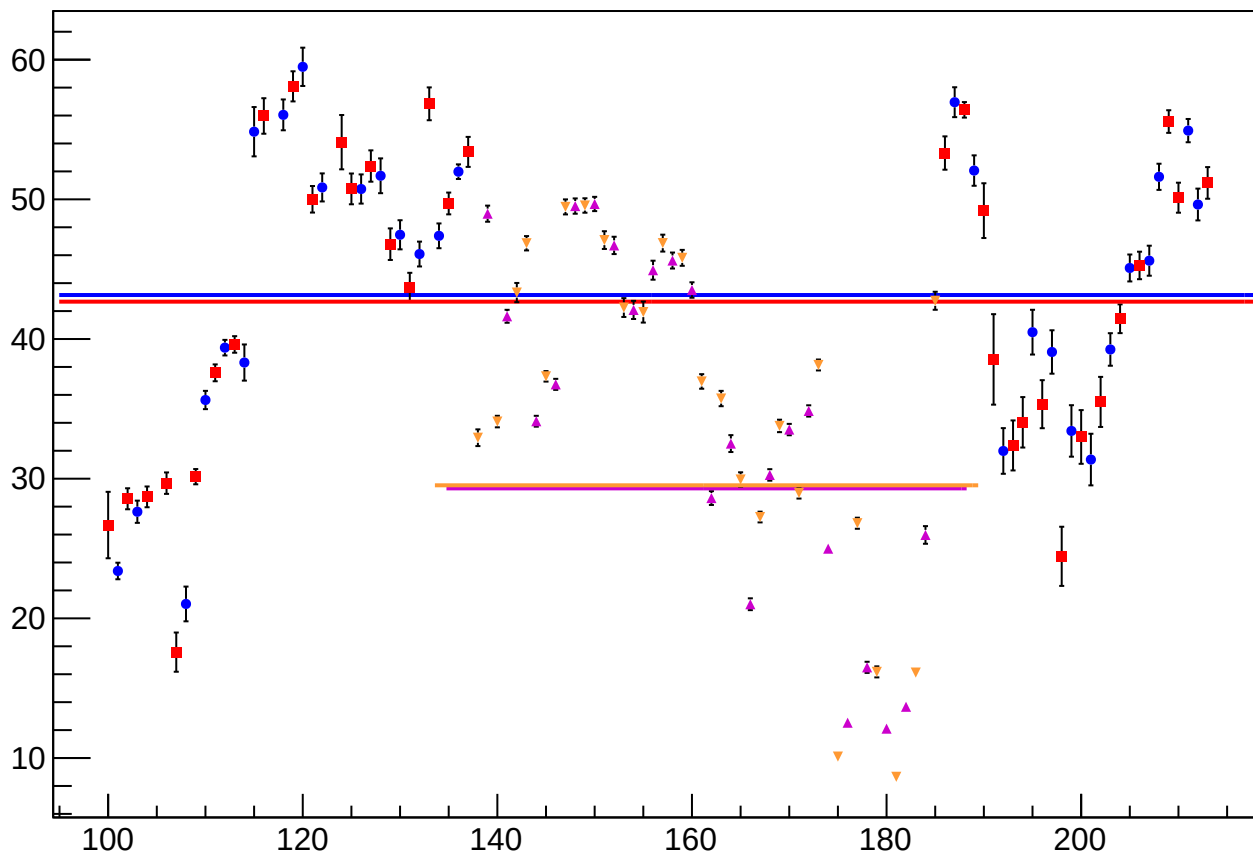
Left In: 0.847 ± 0.072 χ^2/NDF : 6045.4/22

+ sign 0.555 ± 0.066 χ^2/NDF : 12142.9/53

All: 0.589 ± 0.047 χ^2/NDF : 21495.2/110

- sign 0.625 ± 0.067 χ^2/NDF : 9351.7/56

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.150 $\pm$ 0.177 χ^2 /NDF: 3506.7/28

Left Out: 29.526 $\pm$ 0.091 χ^2 /NDF:21083.7/24

Right Out: 42.675 $\pm$ 0.168 χ^2 /NDF: 4115.8/33

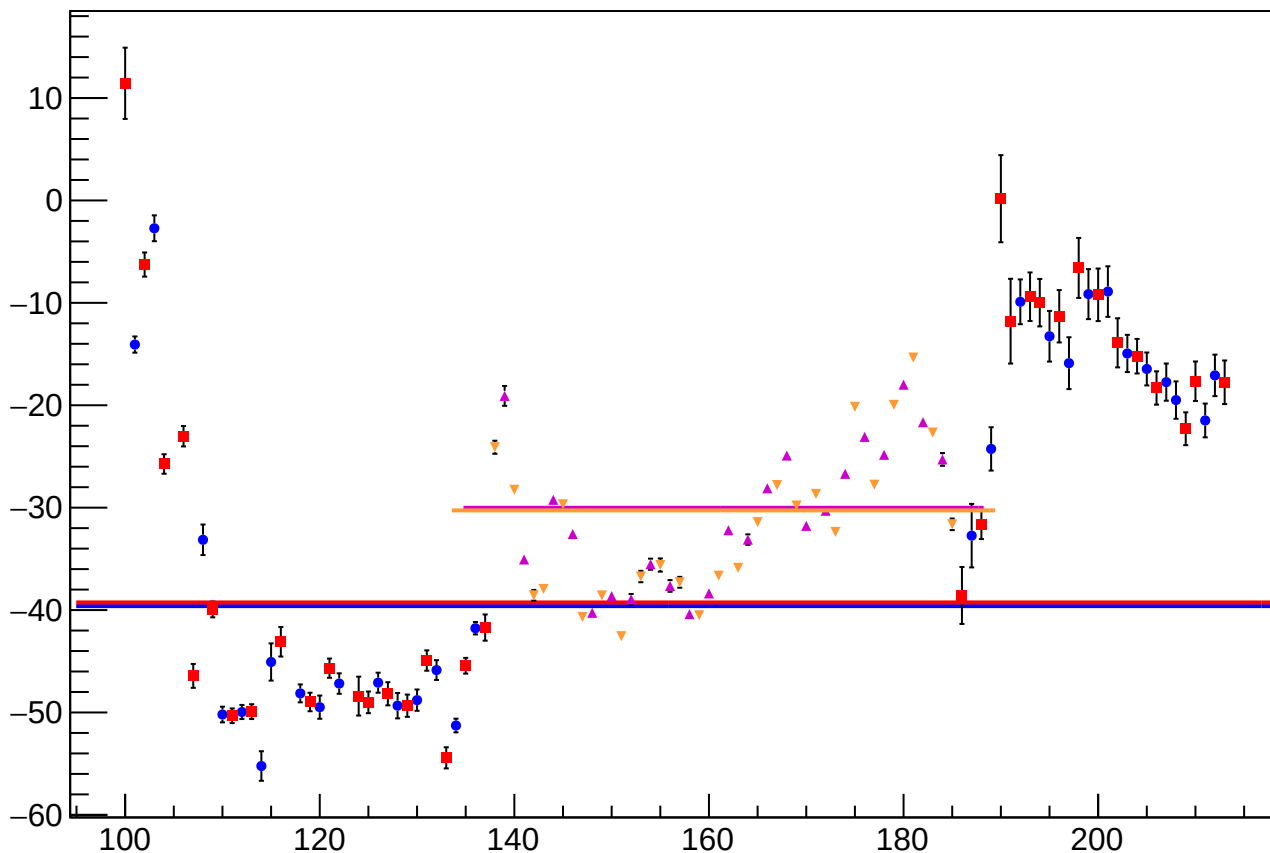
Left In: 29.306 $\pm$ 0.093 χ^2 /NDF:17870.3/22

+ sign 32.363 $\pm$ 0.081 χ^2 /NDF: 29300.8/53

All: 32.407 $\pm$ 0.057 χ^2 /NDF: 56139.8/110

- sign 32.451 $\pm$ 0.081 χ^2 /NDF: 26838.4/56

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -39.615 ± 0.213 $\chi^2/\text{NDF}: 4898.3/28$

Left Out: -30.268 ± 0.079 $\chi^2/\text{NDF}: 8500.0/24$

Right Out: -39.255 ± 0.211 $\chi^2/\text{NDF}: 4380.1/33$

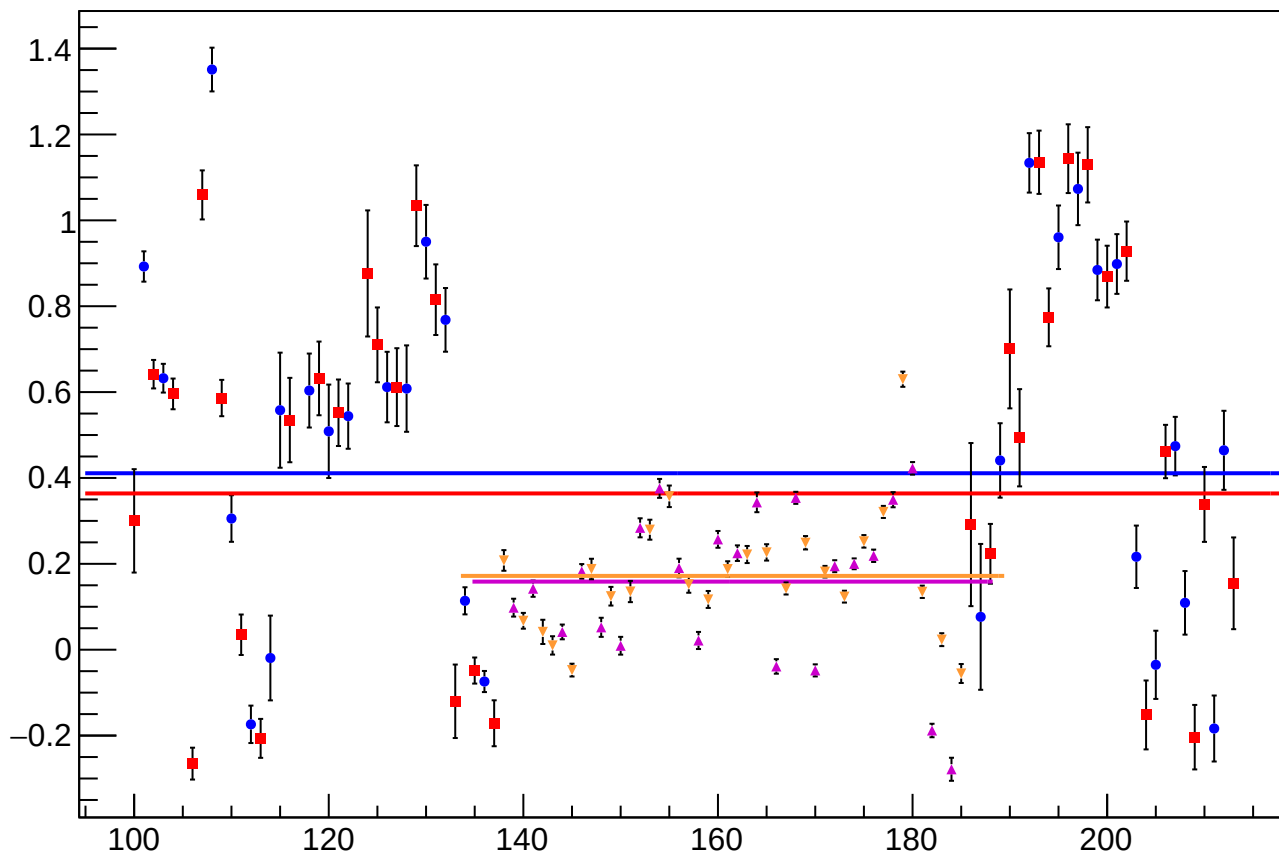
Left In: -30.012 ± 0.081 $\chi^2/\text{NDF}: 6083.1/22$

+ sign -31.408 ± 0.074 $\chi^2/\text{NDF}: 15094.4/53$

All: -31.307 ± 0.053 $\chi^2/\text{NDF}: 27225.3/110$

- sign -31.202 ± 0.076 $\chi^2/\text{NDF}: 12127.1/56$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.411 $\pm$ 0.011 χ^2 /NDF: 1773.4/28

Left Out: 0.172 $\pm$ 0.004 χ^2 /NDF:1501.3/24

Right Out: 0.364 $\pm$ 0.010 χ^2 /NDF: 1784.4/33

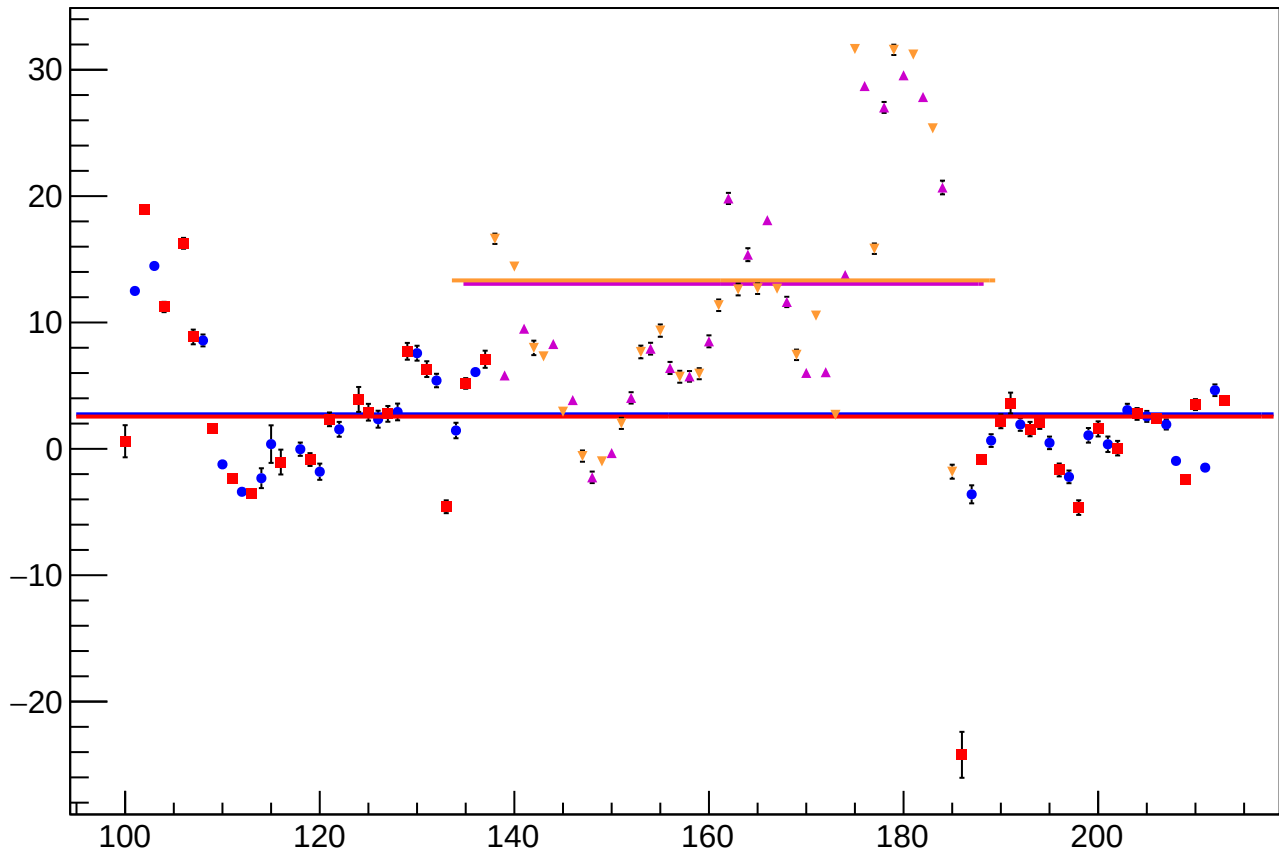
Left In: 0.159 $\pm$ 0.004 χ^2 /NDF:2187.4/22

+ sign 0.196 $\pm$ 0.003 χ^2 /NDF: 3730.0/53

All: 0.188 $\pm$ 0.002 χ^2 /NDF: 8054.5/110

- sign 0.181 $\pm$ 0.003 χ^2 /NDF: 4314.3/56

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.732 $\pm$ 0.087 χ^2 /NDF: 3351.8/28

Left Out: 13.331 $\pm$ 0.077 χ^2 /NDF:19432.7/24

Right Out: 2.554 $\pm$ 0.079 χ^2 /NDF: 5398.6/33

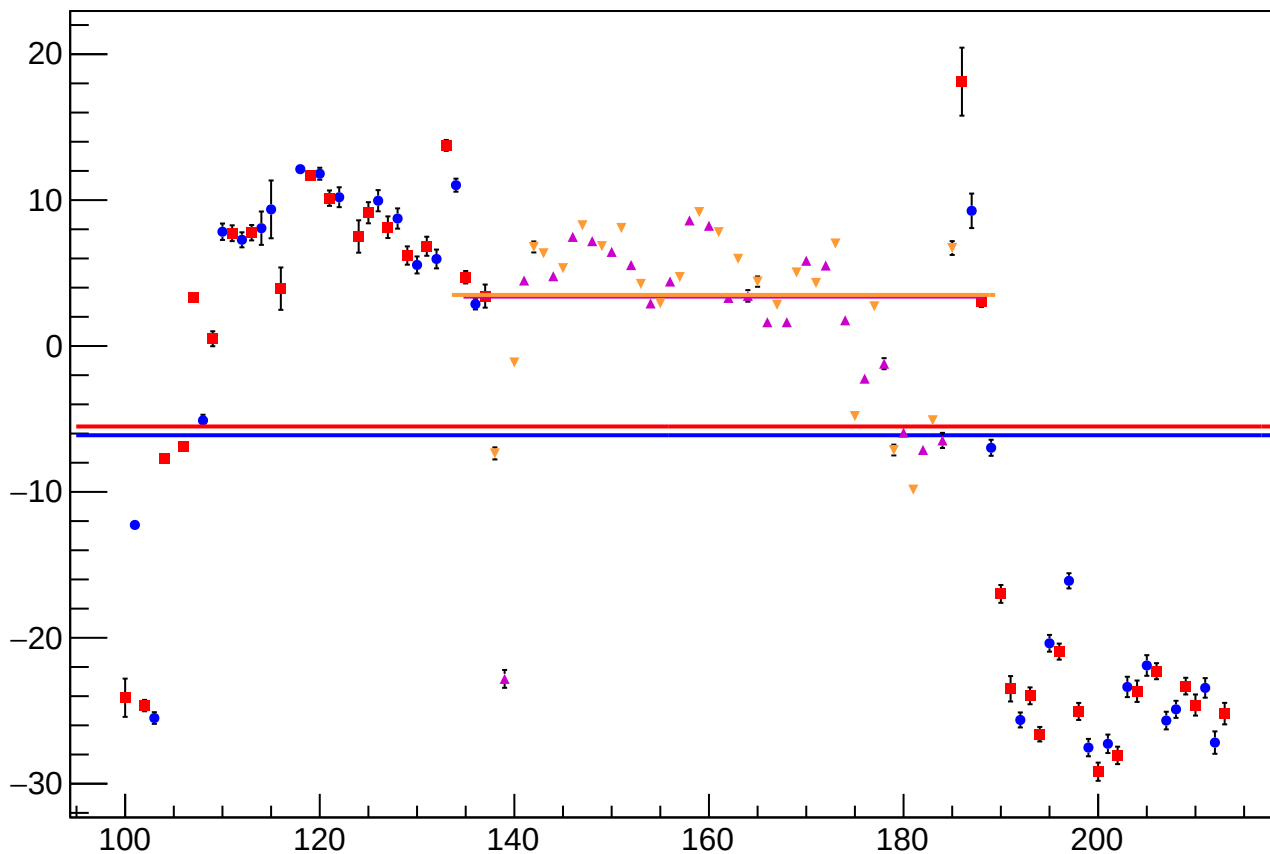
Left In: 13.061 $\pm$ 0.079 χ^2 /NDF:15559.8/22

+ sign 8.665 $\pm$ 0.057 χ^2 /NDF: 31175.7/53

All: 8.228 $\pm$ 0.040 χ^2 /NDF: 61014.3/110

- sign 7.811 $\pm$ 0.056 χ^2 /NDF: 29725.7/56

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.118 ± 0.096 $\chi^2/\text{NDF}: 23536.8/28$

Left Out: 3.502 ± 0.059 $\chi^2/\text{NDF}: 7911.7/24$

Right Out: -5.516 ± 0.090 $\chi^2/\text{NDF}: 26290.4/33$

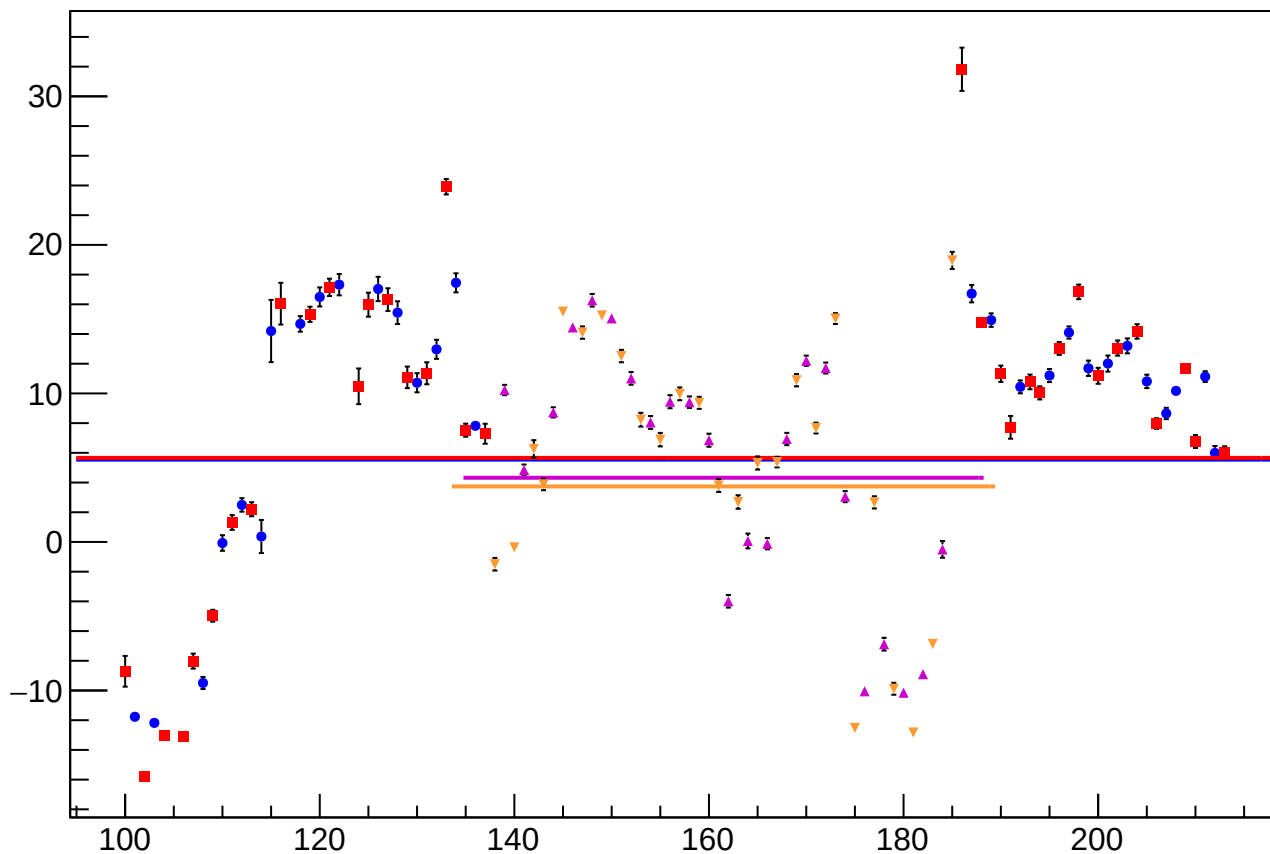
Left In: 3.385 ± 0.061 $\chi^2/\text{NDF}: 6707.6/22$

+ sign 0.905 ± 0.050 $\chi^2/\text{NDF}: 38735.8/53$

All: 0.750 ± 0.036 $\chi^2/\text{NDF}: 78432.1/110$

- sign 0.593 ± 0.051 $\chi^2/\text{NDF}: 39677.0/56$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.545 $\pm$ 0.085 χ^2 /NDF: 14121.3/28

Left Out: 3.738 $\pm$ 0.076 χ^2 /NDF:15586.7/24

Right Out: 5.660 $\pm$ 0.078 χ^2 /NDF: 20396.3/33

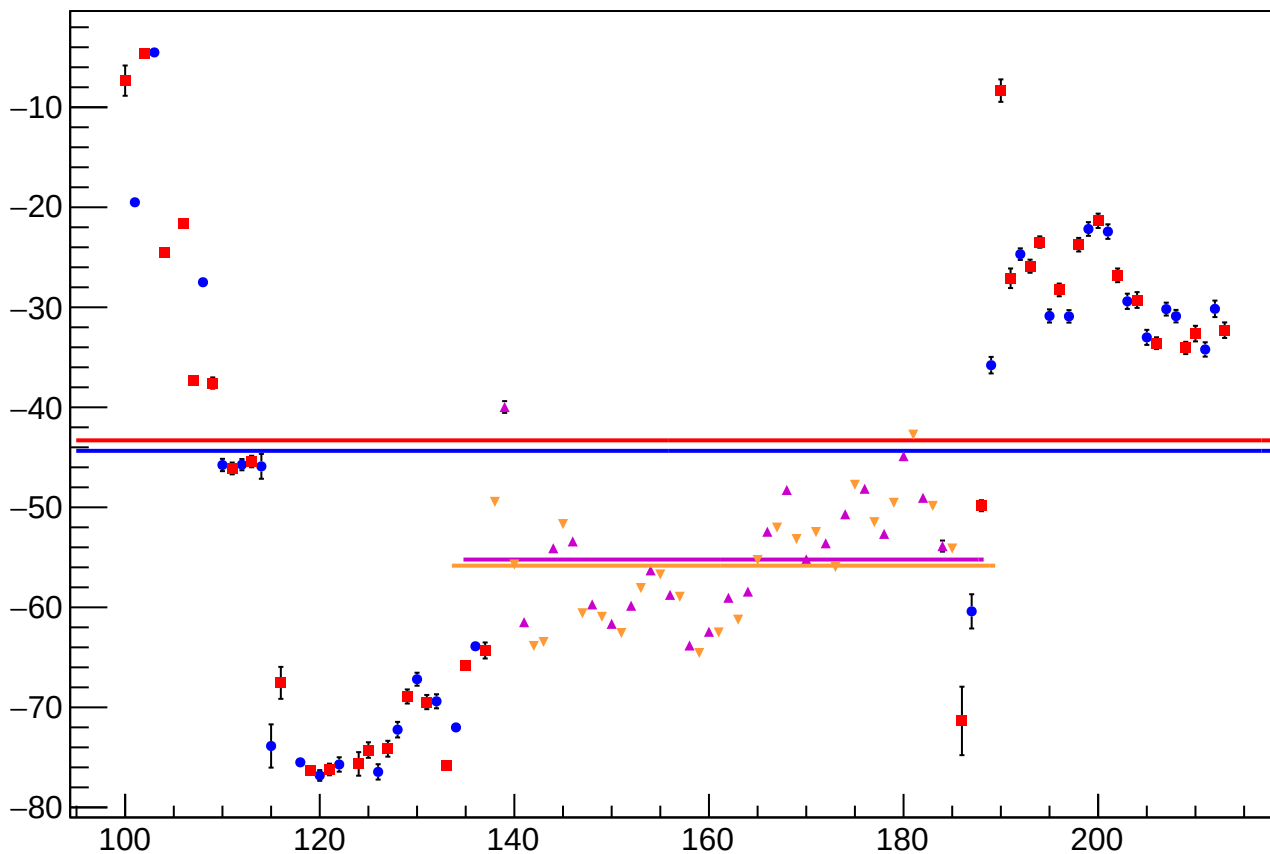
Left In: 4.322 $\pm$ 0.079 χ^2 /NDF:12483.3/22

+ sign 4.546 $\pm$ 0.057 χ^2 /NDF: 29958.1/53

All: 4.775 $\pm$ 0.040 χ^2 /NDF: 63015.1/110

- sign 4.994 $\pm$ 0.055 χ^2 /NDF: 33025.0/56

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -44.352 ± 0.112 χ^2/NDF : 42572.2/28

Left Out: -55.832 ± 0.066 χ^2/NDF : 7592.5/24

Right Out: -43.303 ± 0.106 χ^2/NDF : 43999.2/33

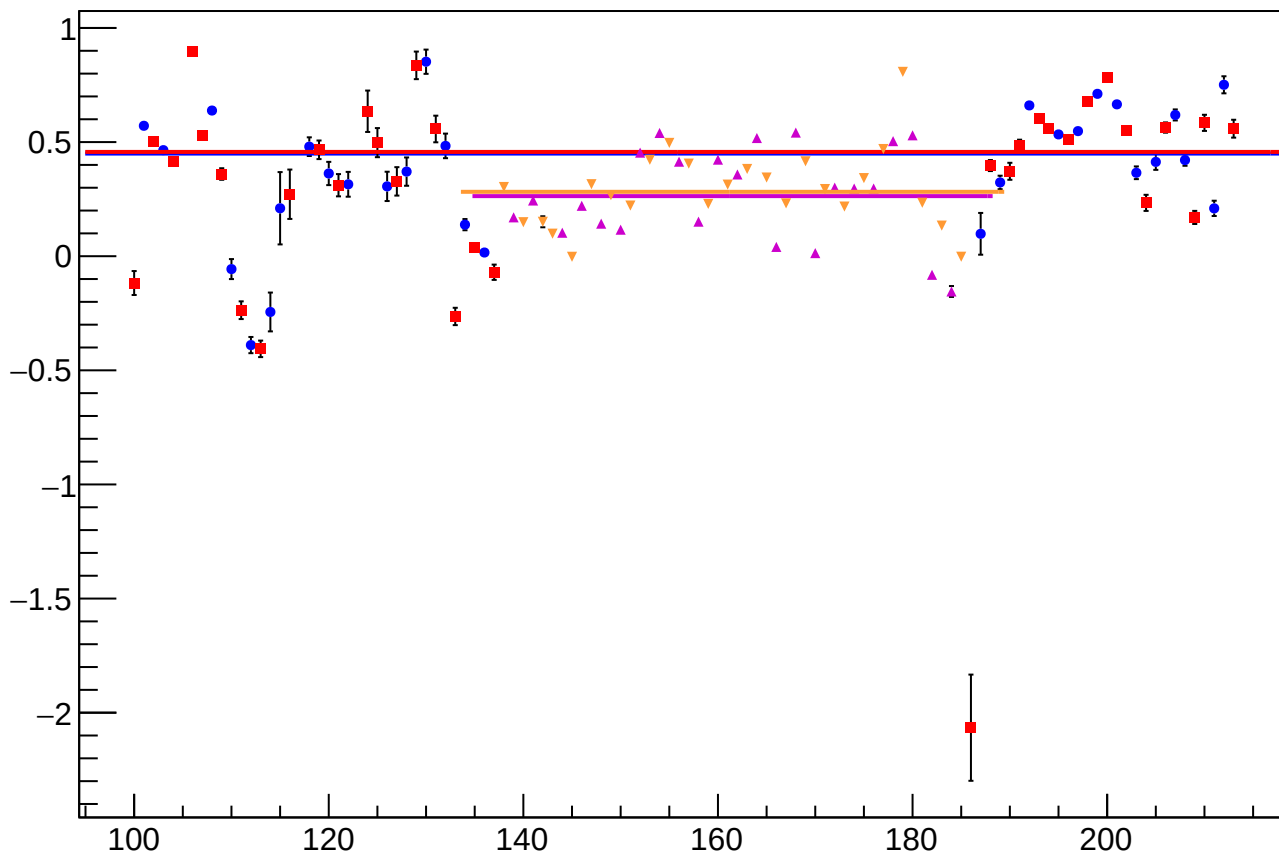
Left In: -55.222 ± 0.069 χ^2/NDF : 6343.0/22

+ sign -52.849 ± 0.057 χ^2/NDF : 57944.7/53

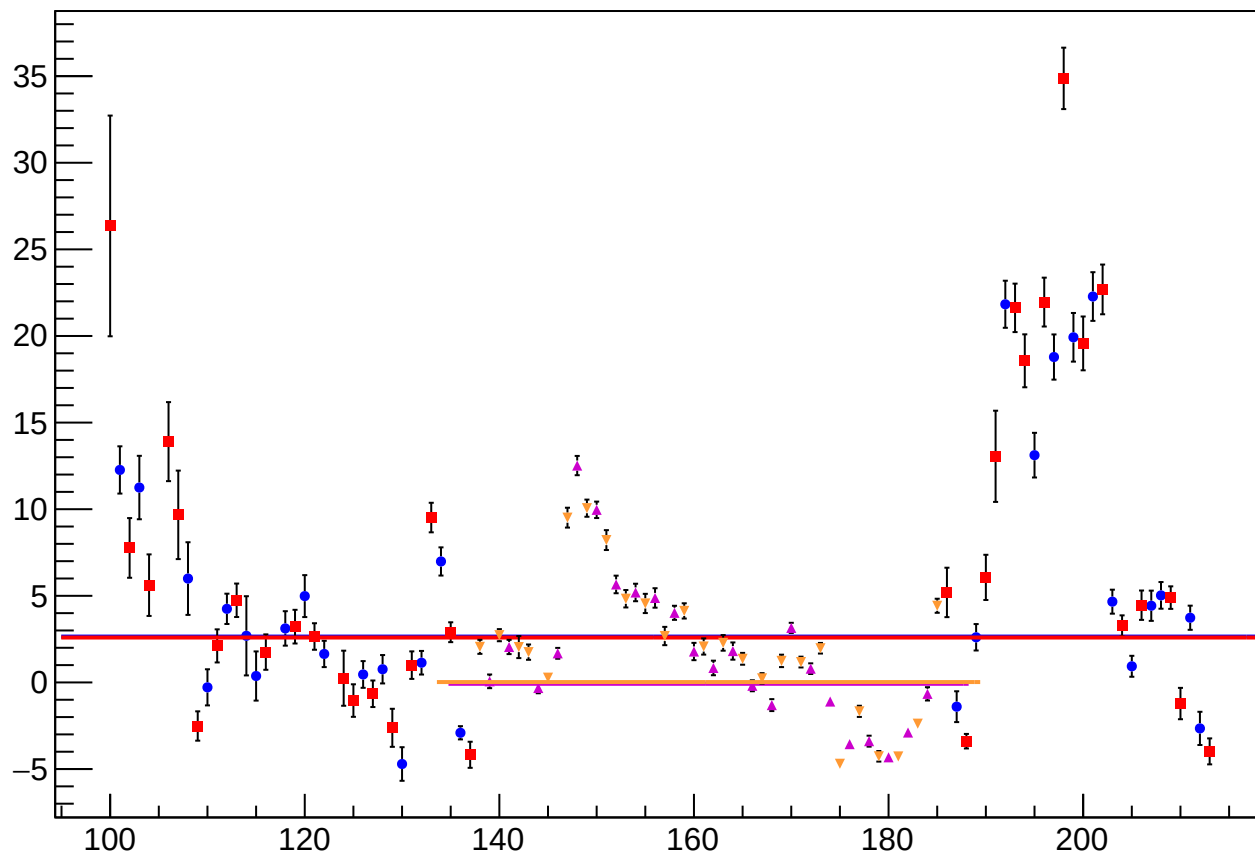
All: -52.287 ± 0.041 χ^2/NDF : 117345.8/110

- sign -51.712 ± 0.058 χ^2/NDF : 59204.7/56

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.648 ± 0.160 χ^2/NDF : 1258.5/28

Left Out: 0.022 ± 0.069 χ^2/NDF : 2759.3/24

Right Out: 2.592 ± 0.160 χ^2/NDF : 1782.1/33

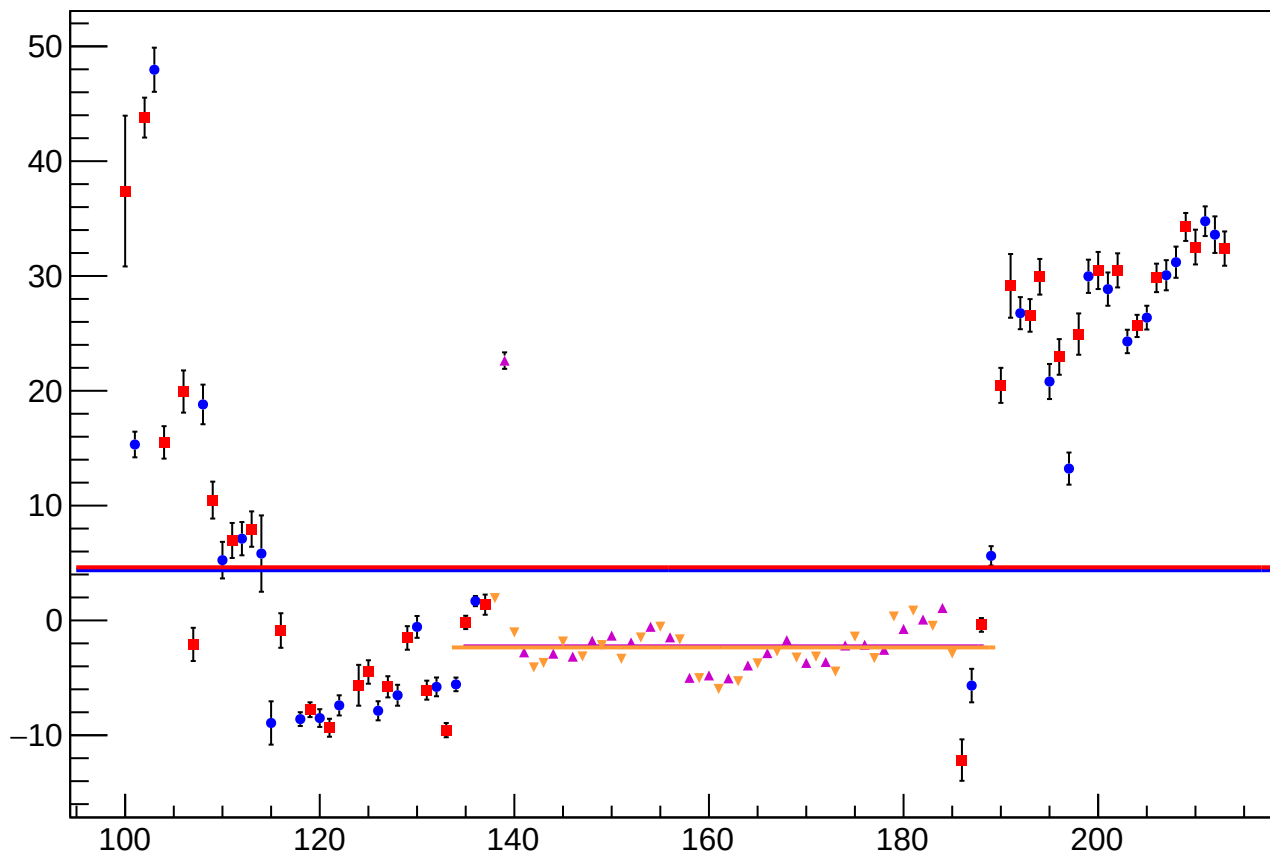
Left In: -0.080 ± 0.071 χ^2/NDF : 2464.5/22

+ sign 0.427 ± 0.063 χ^2/NDF : 4244.4/53

All: 0.393 ± 0.045 χ^2/NDF : 8725.5/110

- sign 0.358 ± 0.065 χ^2/NDF : 4480.5/56

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.373 $\pm$ 0.183 χ^2 /NDF: 6074.0/28

Left Out: -2.352 $\pm$ 0.055 χ^2 /NDF:1125.6/24

Right Out: 4.627 $\pm$ 0.187 χ^2 /NDF: 6292.2/33

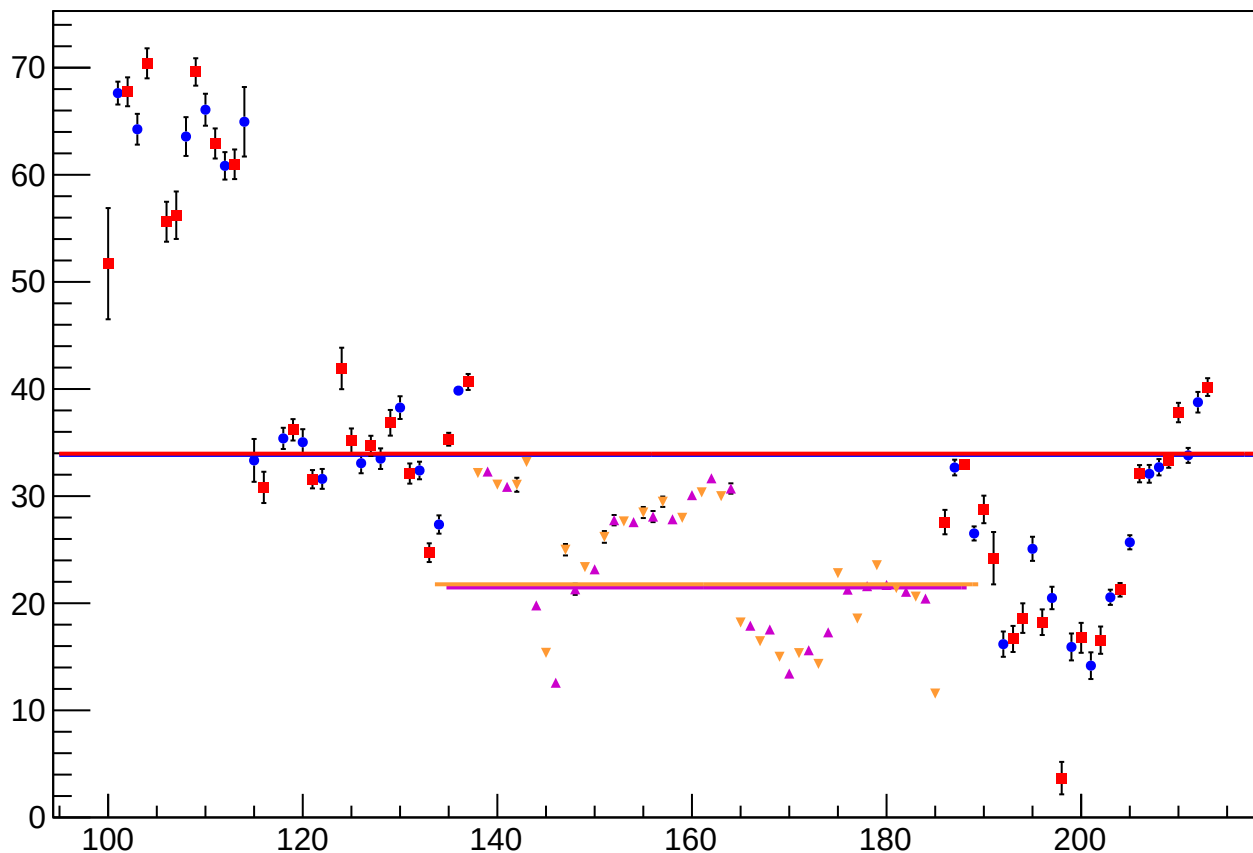
Left In: -2.257 $\pm$ 0.056 χ^2 /NDF:1877.2/22

+ sign -1.793 $\pm$ 0.053 χ^2 /NDF: 8438.0/53

All: -1.740 $\pm$ 0.038 χ^2 /NDF: 17848.0/110

- sign -1.685 $\pm$ 0.054 χ^2 /NDF: 9408.0/56

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.847 $\pm$ 0.164 χ^2 /NDF: 4613.7/28

Left Out: 21.768 $\pm$ 0.069 χ^2 /NDF: 6814.2/24

Right Out: 33.963 $\pm$ 0.161 χ^2 /NDF: 5168.1/33

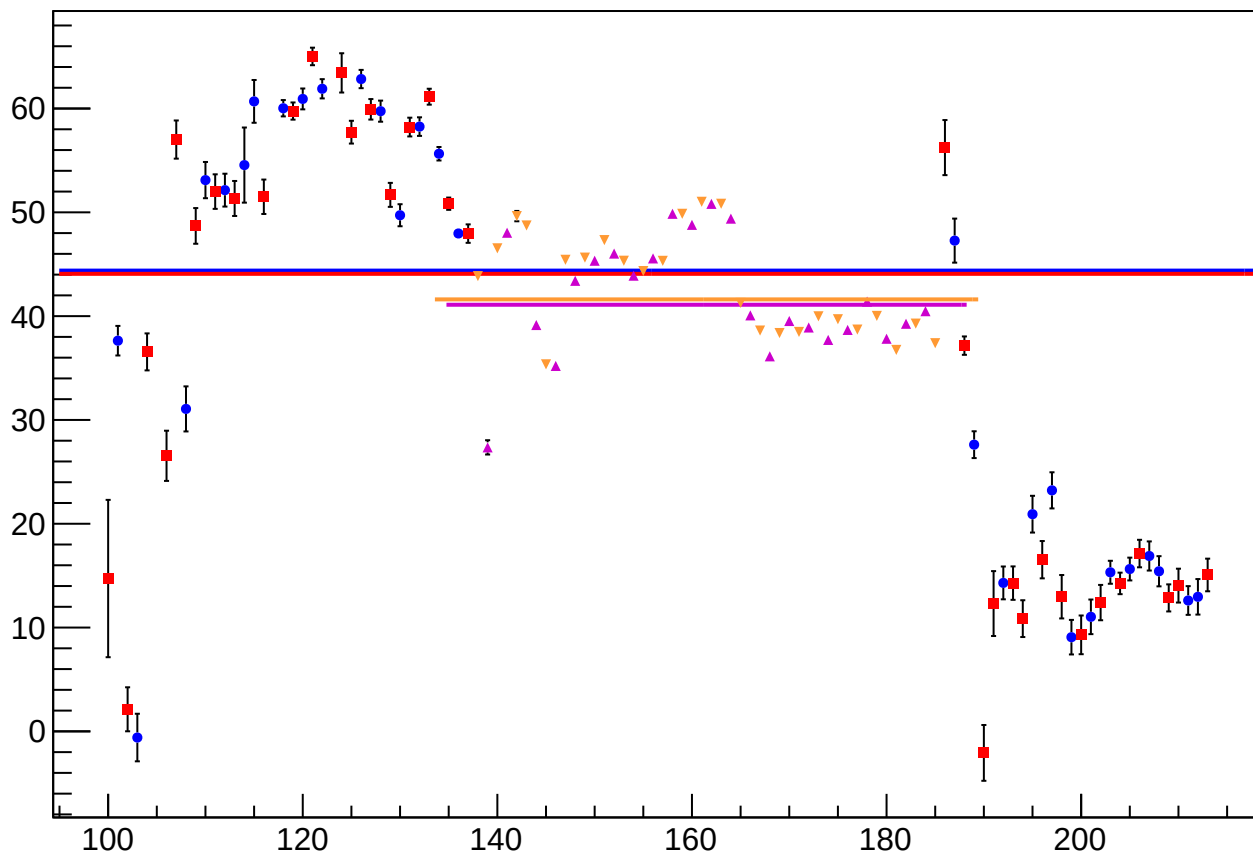
Left In: 21.472 $\pm$ 0.071 χ^2 /NDF: 5787.4/22

+ sign 23.576 $\pm$ 0.064 χ^2 /NDF: 16032.1/53

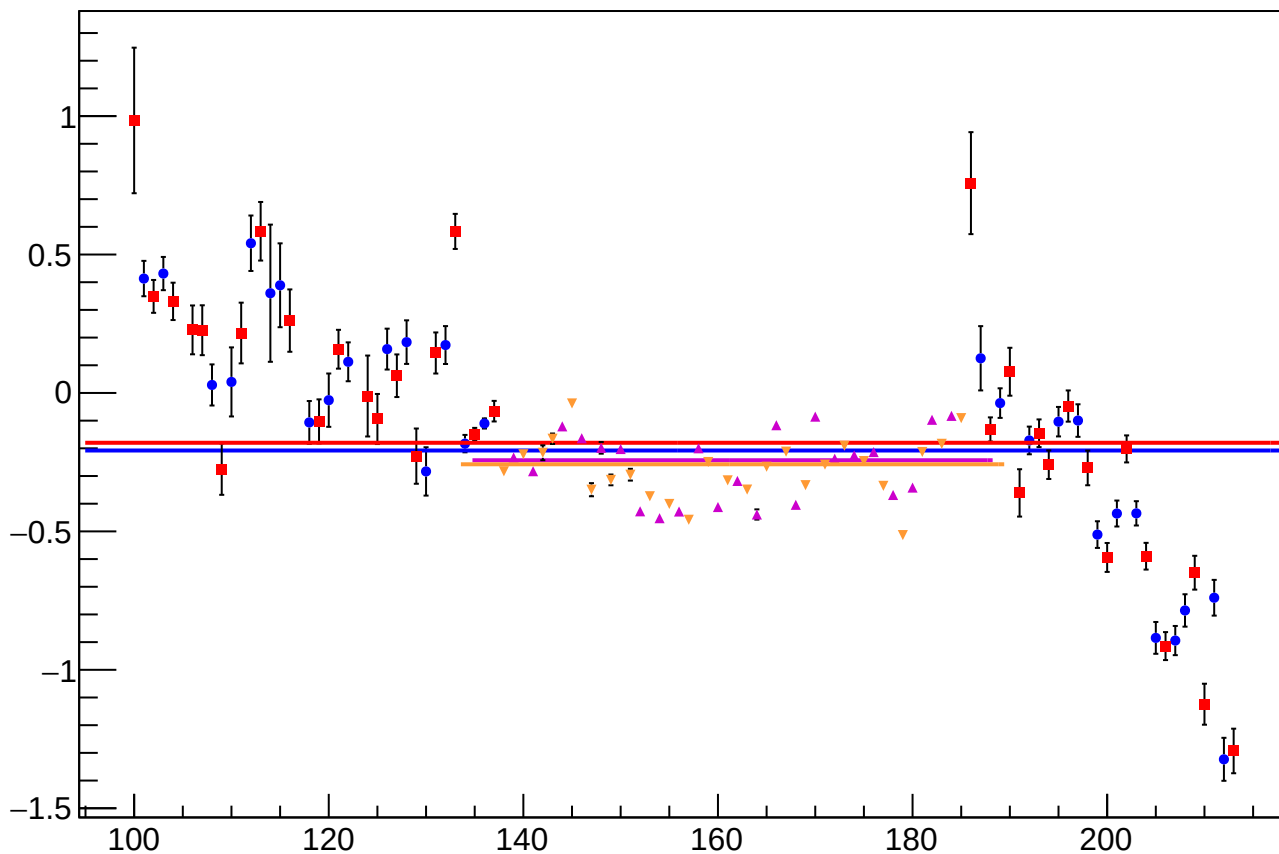
All: 23.534 $\pm$ 0.045 χ^2 /NDF: 32047.9/110

- sign 23.492 $\pm$ 0.065 χ^2 /NDF: 16014.9/56

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.208 ± 0.010 χ^2/NDF : 1231.4/28

Left Out: -0.258 ± 0.003 χ^2/NDF : 1515.1/24

Right Out: -0.180 ± 0.010 χ^2/NDF : 1301.9/33

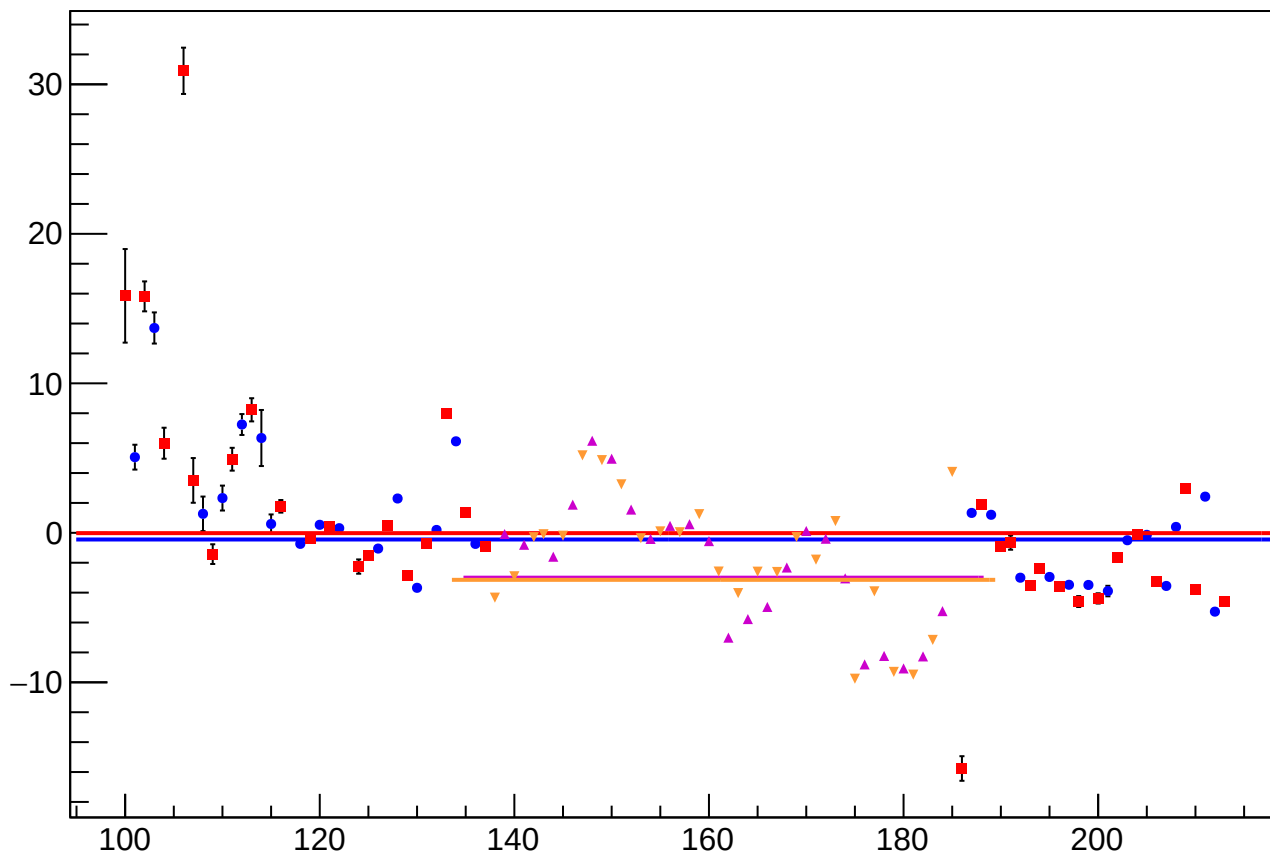
Left In: -0.243 ± 0.003 χ^2/NDF : 1811.8/22

+ sign -0.254 ± 0.003 χ^2/NDF : 2770.3/53

All: -0.247 ± 0.002 χ^2/NDF : 5935.1/110

- sign -0.239 ± 0.003 χ^2/NDF : 3148.3/56

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.446 ± 0.049 χ^2/NDF : 2685.8/28

Left Out: -3.144 ± 0.028 χ^2/NDF : 25358.6/24

Right Out: -0.021 ± 0.047 χ^2/NDF : 5570.1/33

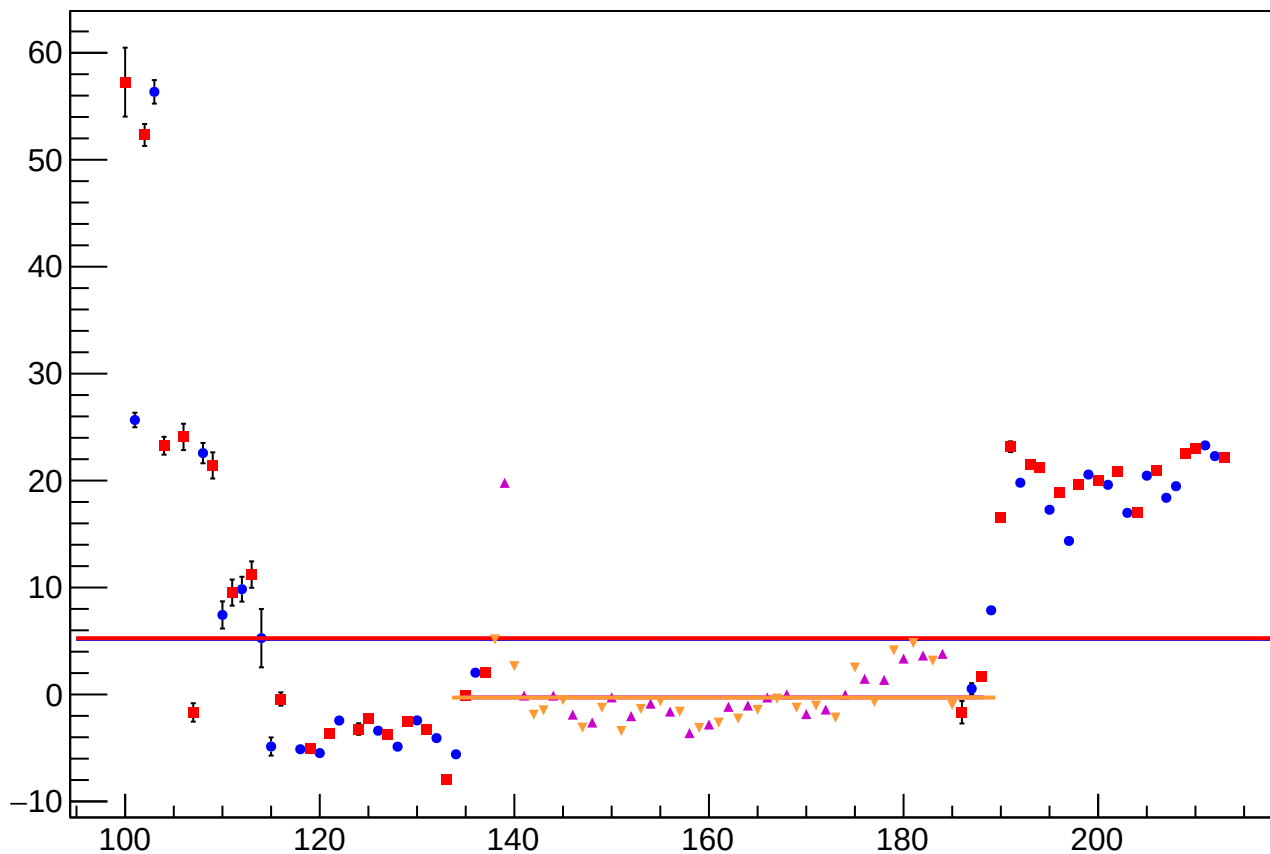
Left In: -2.999 ± 0.028 χ^2/NDF : 22425.0/22

+ sign -2.483 ± 0.024 χ^2/NDF : 30365.4/53

All: -2.337 ± 0.017 χ^2/NDF : 61412.1/110

- sign -2.189 ± 0.024 χ^2/NDF : 30973.0/56

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.196+/-0.055 χ^2/NDF : 41999.1/28

Left Out: -0.288+/-0.022 χ^2/NDF :12198.2/24

Right Out: 5.259+/-0.053 χ^2/NDF : 51549.4/33

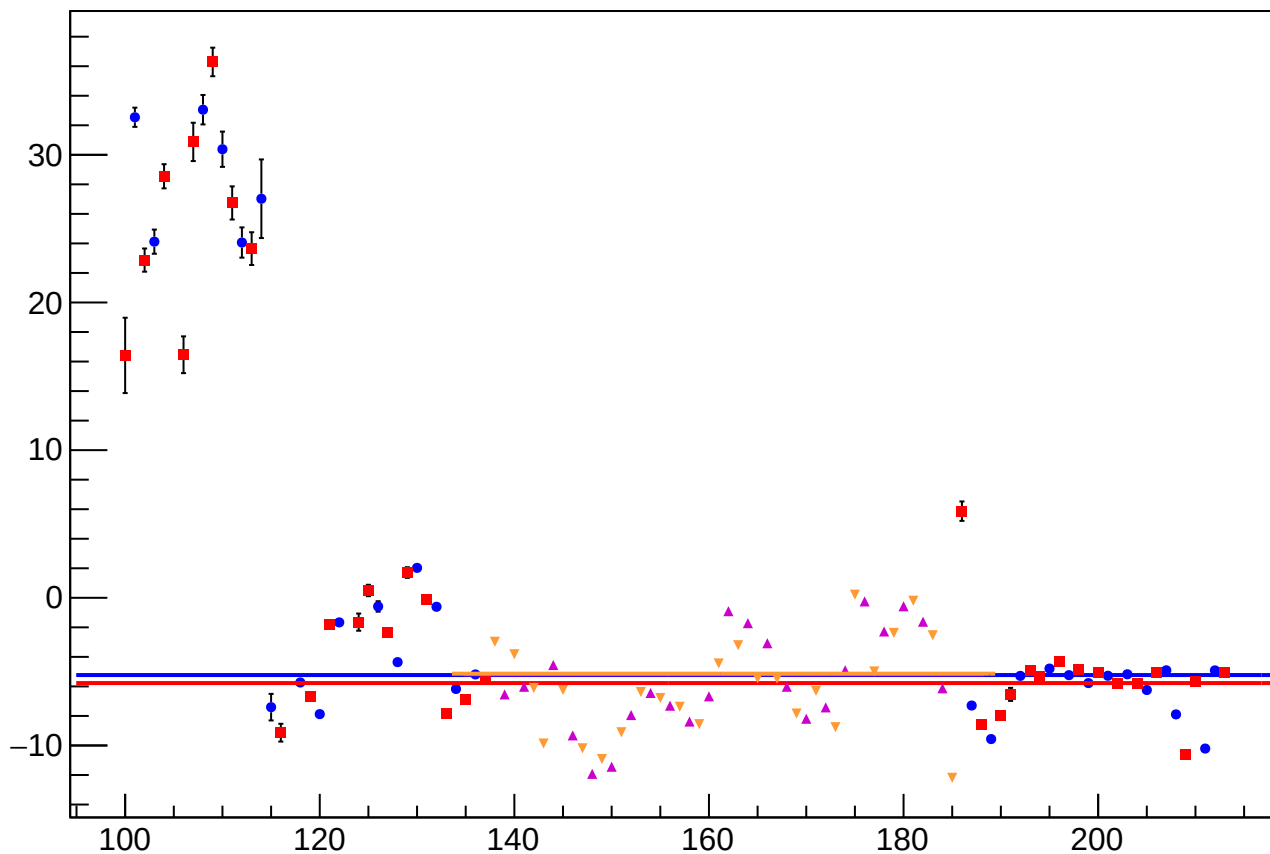
Left In: -0.271+/-0.022 χ^2/NDF :13220.8/22

+ sign 0.456+/-0.020 χ^2/NDF : 62774.3/53

All: 0.508+/-0.014 χ^2/NDF : 136820.5/110

- sign 0.561+/-0.021 χ^2/NDF : 74032.8/56

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.231 ± 0.049 $\chi^2/\text{NDF}: 10704.2/28$

Left Out: -5.138 ± 0.028 $\chi^2/\text{NDF}: 14626.0/24$

Right Out: -5.773 ± 0.045 $\chi^2/\text{NDF}: 11512.0/33$

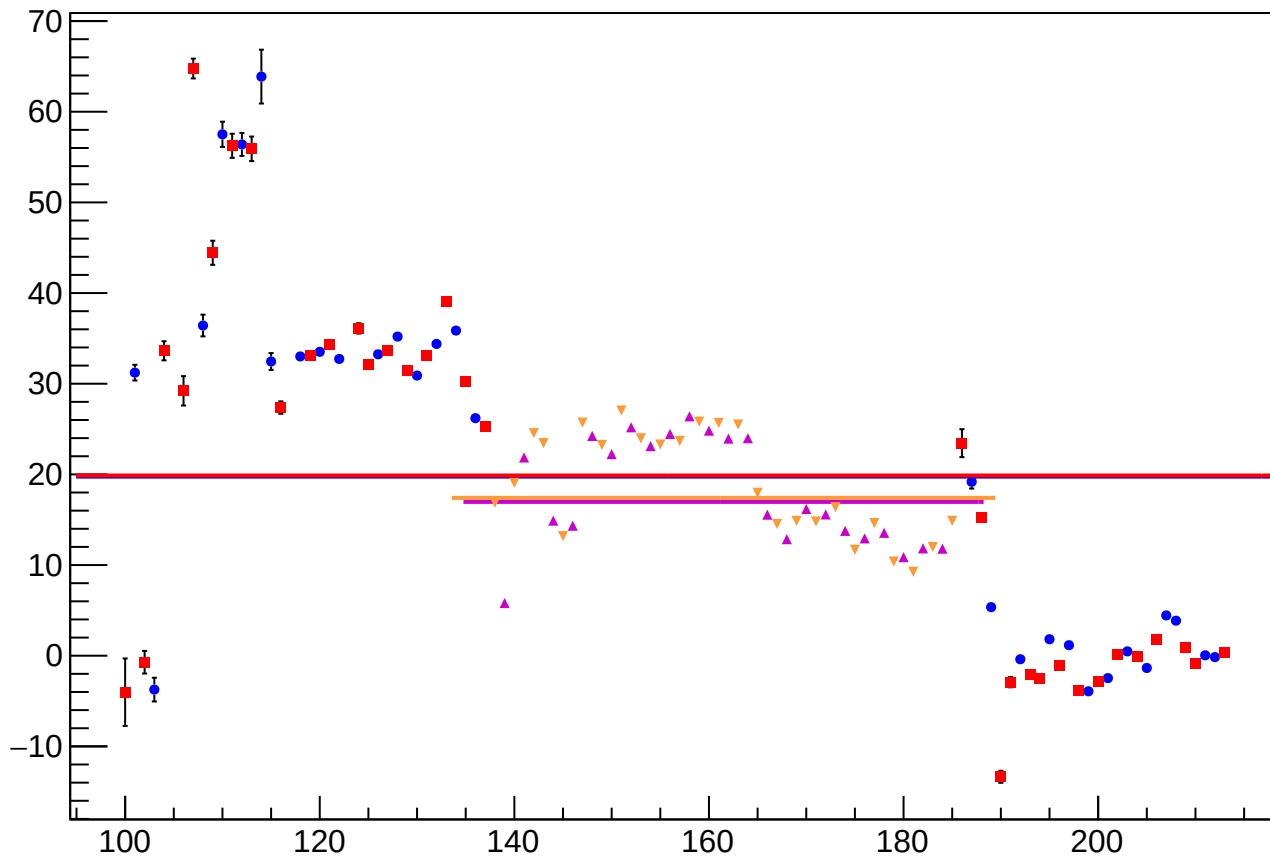
Left In: -5.177 ± 0.028 $\chi^2/\text{NDF}: 13963.7/22$

+ sign -5.161 ± 0.024 $\chi^2/\text{NDF}: 25332.9/53$

All: -5.253 ± 0.017 $\chi^2/\text{NDF}: 50962.5/110$

- sign -5.346 ± 0.024 $\chi^2/\text{NDF}: 25600.1/56$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.757+/-0.063 χ^2/NDF : 61933.4/28

Left Out: 17.409+/-0.024 χ^2/NDF : 50630.8/24

Right Out: 19.878+/-0.062 χ^2/NDF : 76777.0/33

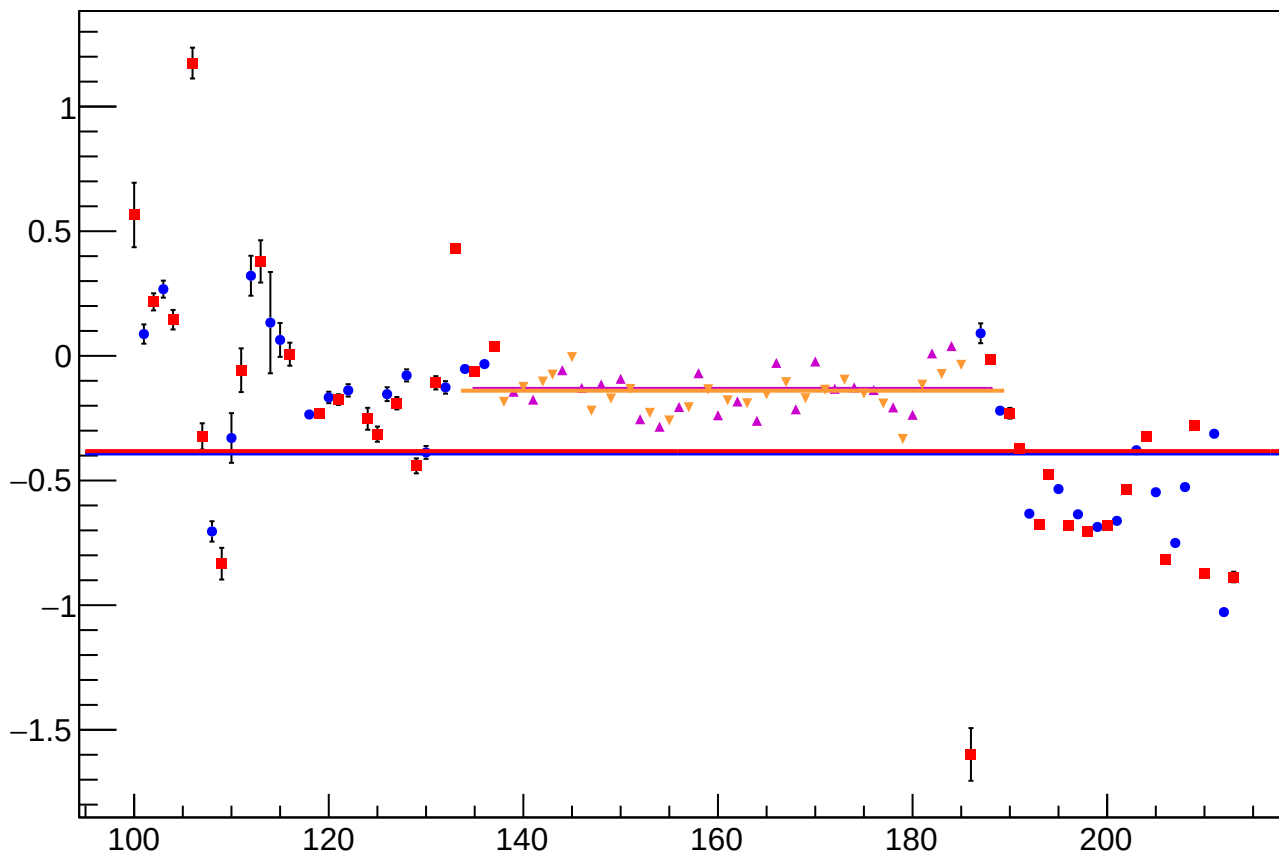
Left In: 16.967+/-0.025 χ^2/NDF : 39939.4/22

+ sign 17.715+/-0.023 χ^2/NDF : 113767.6/53

All: 17.550+/-0.016 χ^2/NDF : 232504.5/110

- sign 17.378+/-0.023 χ^2/NDF : 118629.4/56

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.392 ± 0.003 χ^2/NDF : 9568.8/28

Left Out: -0.140 ± 0.001 χ^2/NDF : 4108.2/24

Right Out: -0.382 ± 0.003 χ^2/NDF : 14169.4/33

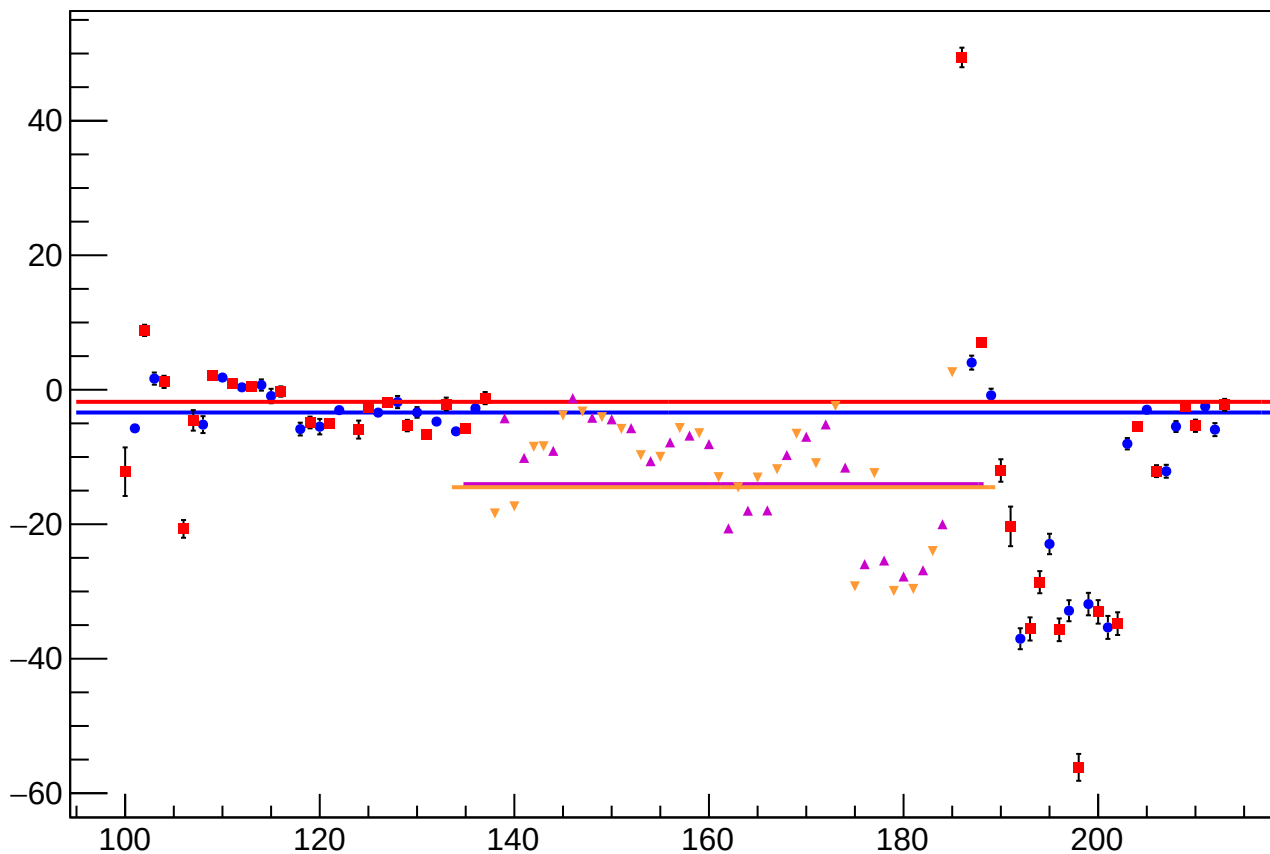
Left In: -0.133 ± 0.001 χ^2/NDF : 5529.7/22

+ sign -0.171 ± 0.001 χ^2/NDF : 20311.1/53

All: -0.169 ± 0.001 χ^2/NDF : 46830.1/110

- sign -0.166 ± 0.001 χ^2/NDF : 26507.8/56

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.385 ± 0.137 χ^2/NDF : 2215.1/28

Left Out: -14.494 ± 0.075 χ^2/NDF : 17232.7/24

Right Out: -1.798 ± 0.129 χ^2/NDF : 5049.7/33

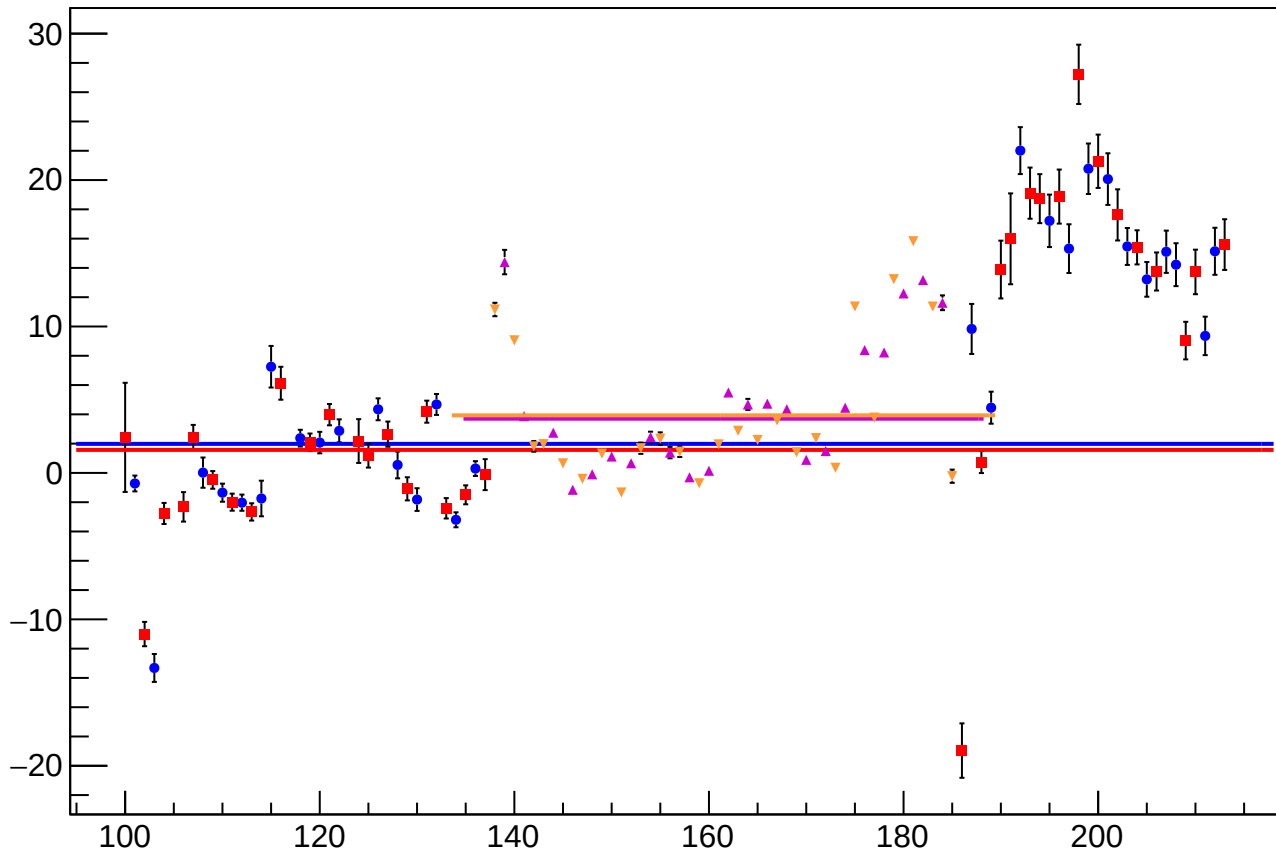
Left In: -14.038 ± 0.077 χ^2/NDF : 13482.5/22

+ sign -11.936 ± 0.066 χ^2/NDF : 24531.6/53

All: -11.396 ± 0.047 χ^2/NDF : 49814.7/110

- sign -10.849 ± 0.066 χ^2/NDF : 25146.8/56

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.984 $\pm$ 0.159 χ^2 /NDF: 1556.3/28

Left Out: 3.932 $\pm$ 0.058 χ^2 /NDF: 6979.2/24

Right Out: 1.573 $\pm$ 0.161 χ^2 /NDF: 1724.1/33

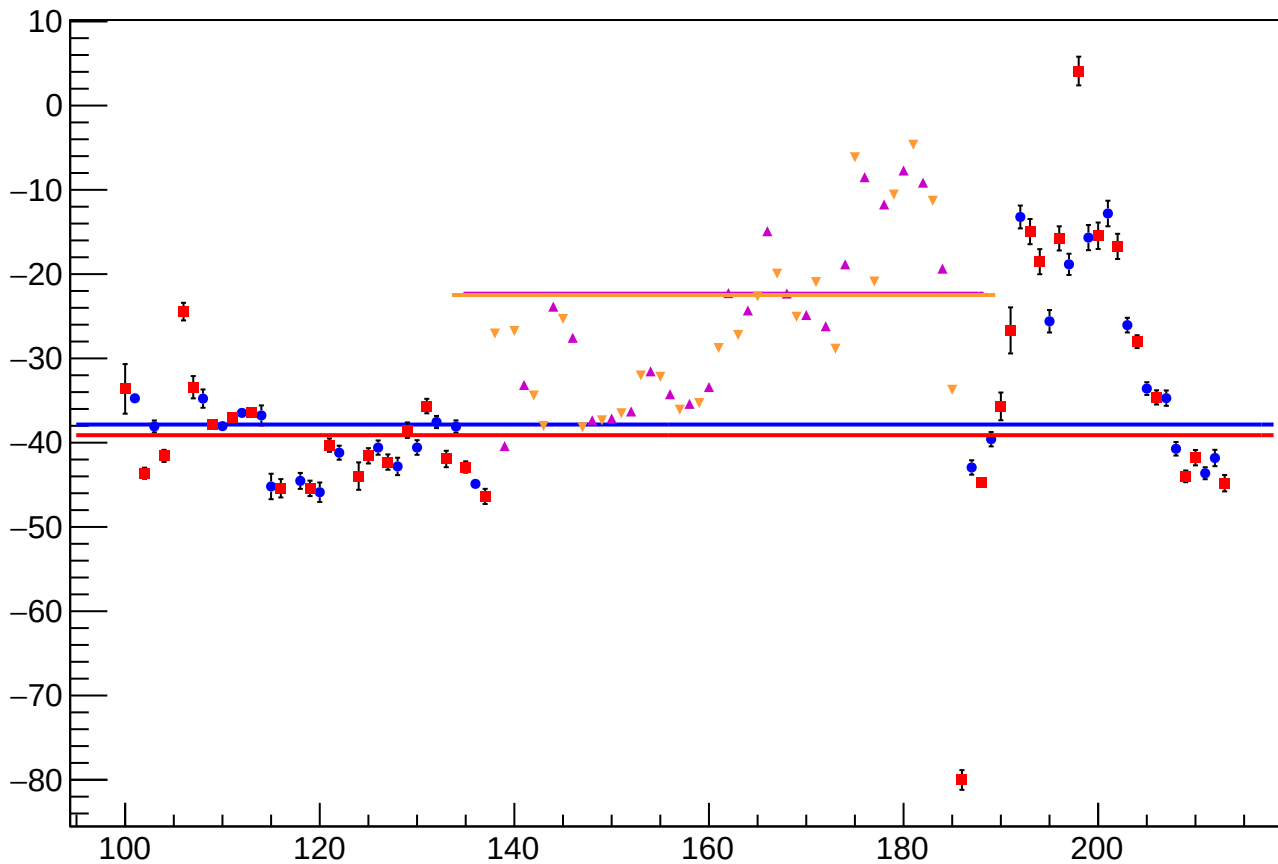
Left In: 3.703 $\pm$ 0.059 χ^2 /NDF: 4788.5/22

+ sign 3.704 $\pm$ 0.054 χ^2 /NDF: 8668.1/53

All: 3.578 $\pm$ 0.039 χ^2 /NDF: 15346.6/110

- sign 3.447 $\pm$ 0.056 χ^2 /NDF: 6667.7/56

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.847 ± 0.149 χ^2/NDF : 1988.5/28

Left Out: -22.478 ± 0.075 χ^2/NDF : 20417.4/24

Right Out: -39.109 ± 0.145 χ^2/NDF : 4134.9/33

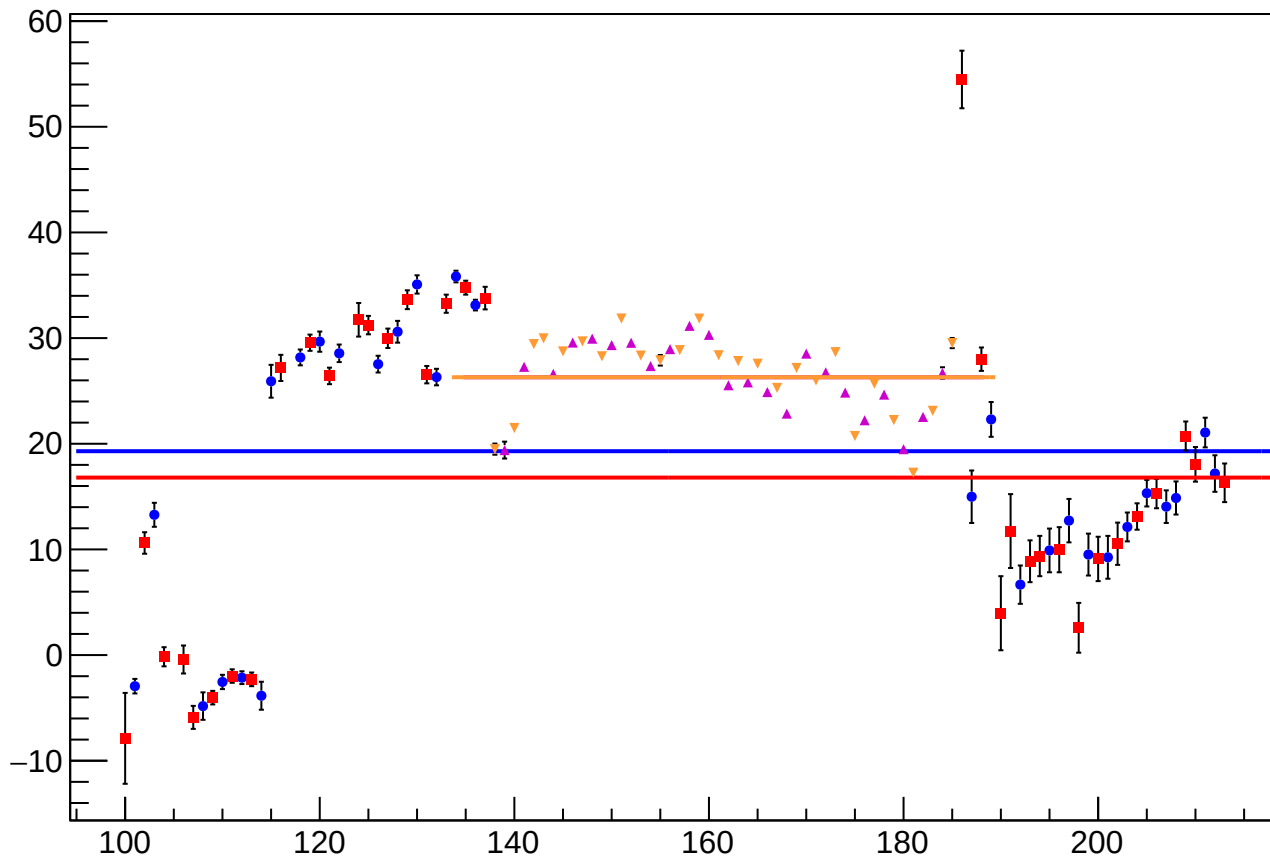
Left In: -22.322 ± 0.077 χ^2/NDF : 17133.3/22

+ sign -25.569 ± 0.067 χ^2/NDF : 30901.1/53

All: -25.764 ± 0.048 χ^2/NDF : 62614.6/110

- sign -25.964 ± 0.068 χ^2/NDF : 31696.2/56

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.295 $\pm$ 0.180 χ^2 /NDF: 6898.1/28

Left Out: 26.296 $\pm$ 0.065 χ^2 /NDF:3307.8/24

Right Out: 16.798 $\pm$ 0.183 χ^2 /NDF: 7167.9/33

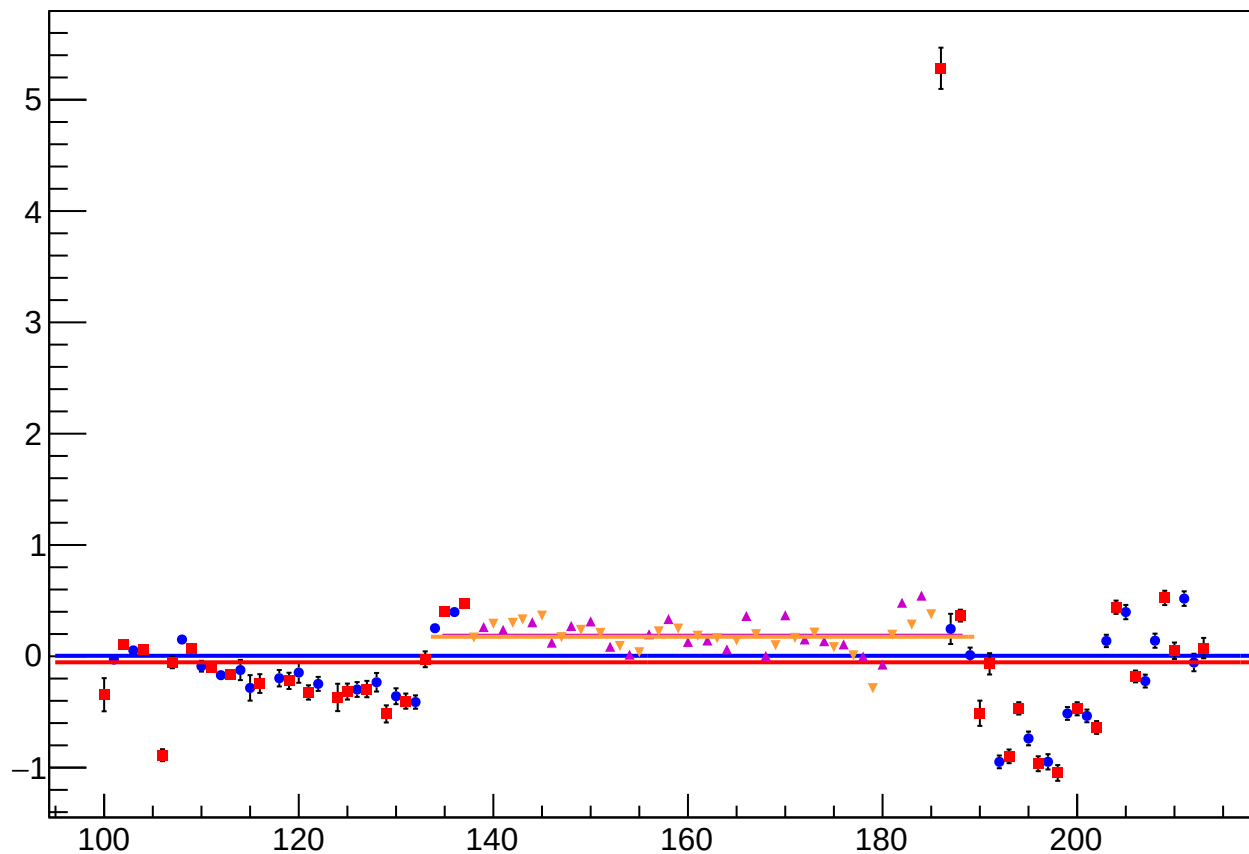
Left In: 26.292 $\pm$ 0.067 χ^2 /NDF:2185.8/22

+ sign 25.483 $\pm$ 0.061 χ^2 /NDF: 11549.6/53

All: 25.334 $\pm$ 0.044 χ^2 /NDF: 23298.5/110

- sign 25.178 $\pm$ 0.063 χ^2 /NDF: 11736.8/56

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.005 ± 0.009 $\chi^2/\text{NDF}: 1540.5/28$

Left Out: 0.176 ± 0.003 $\chi^2/\text{NDF}: 1935.6/24$

Right Out: -0.054 ± 0.009 $\chi^2/\text{NDF}: 2716.6/33$

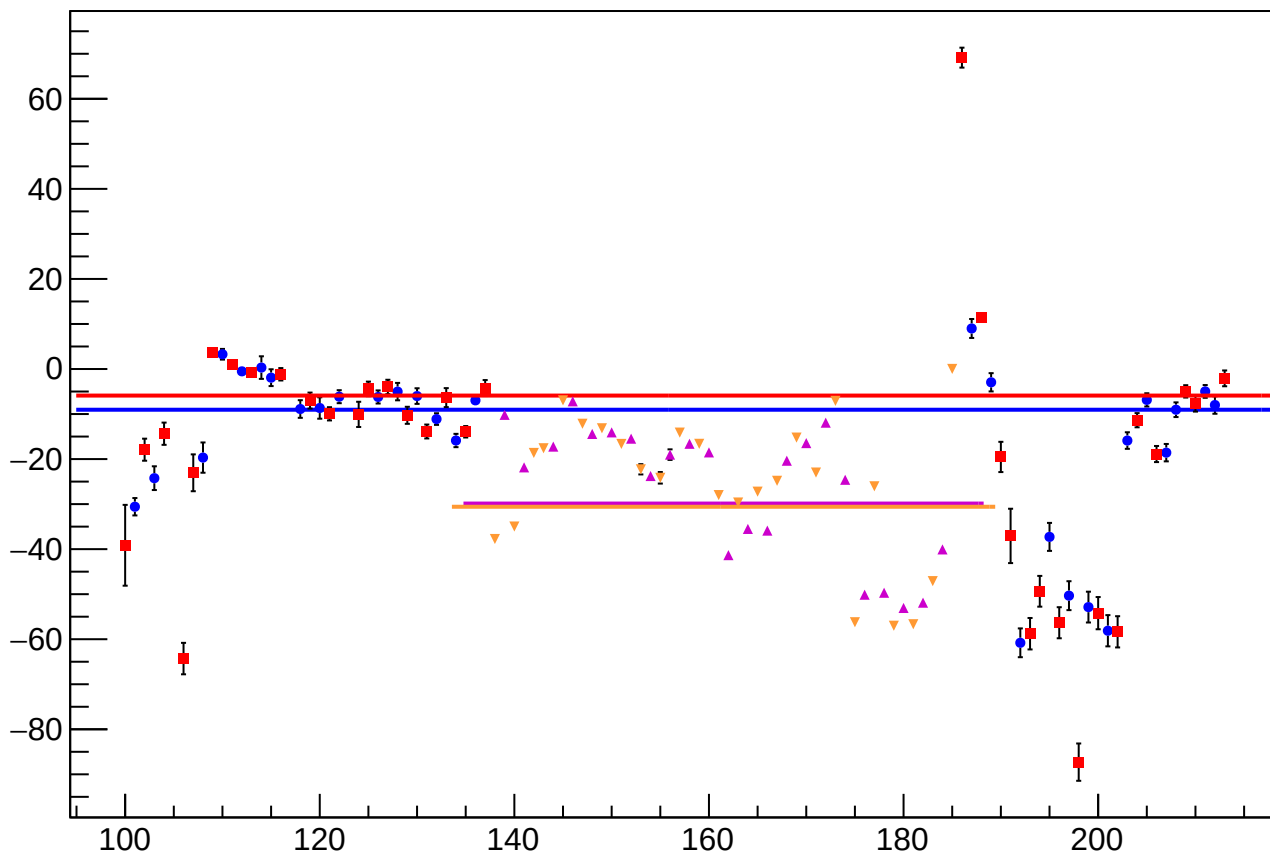
Left In: 0.185 ± 0.003 $\chi^2/\text{NDF}: 2538.5/22$

+ sign 0.159 ± 0.003 $\chi^2/\text{NDF}: 3804.2/53$

All: 0.161 ± 0.002 $\chi^2/\text{NDF}: 9660.1/110$

- sign 0.163 ± 0.003 $\chi^2/\text{NDF}: 5855.1/56$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.042 ± 0.313 χ^2/NDF : 1429.7/28

Left Out: -30.587 ± 0.142 χ^2/NDF : 16046.0/24

Right Out: -5.898 ± 0.304 χ^2/NDF : 3512.2/33

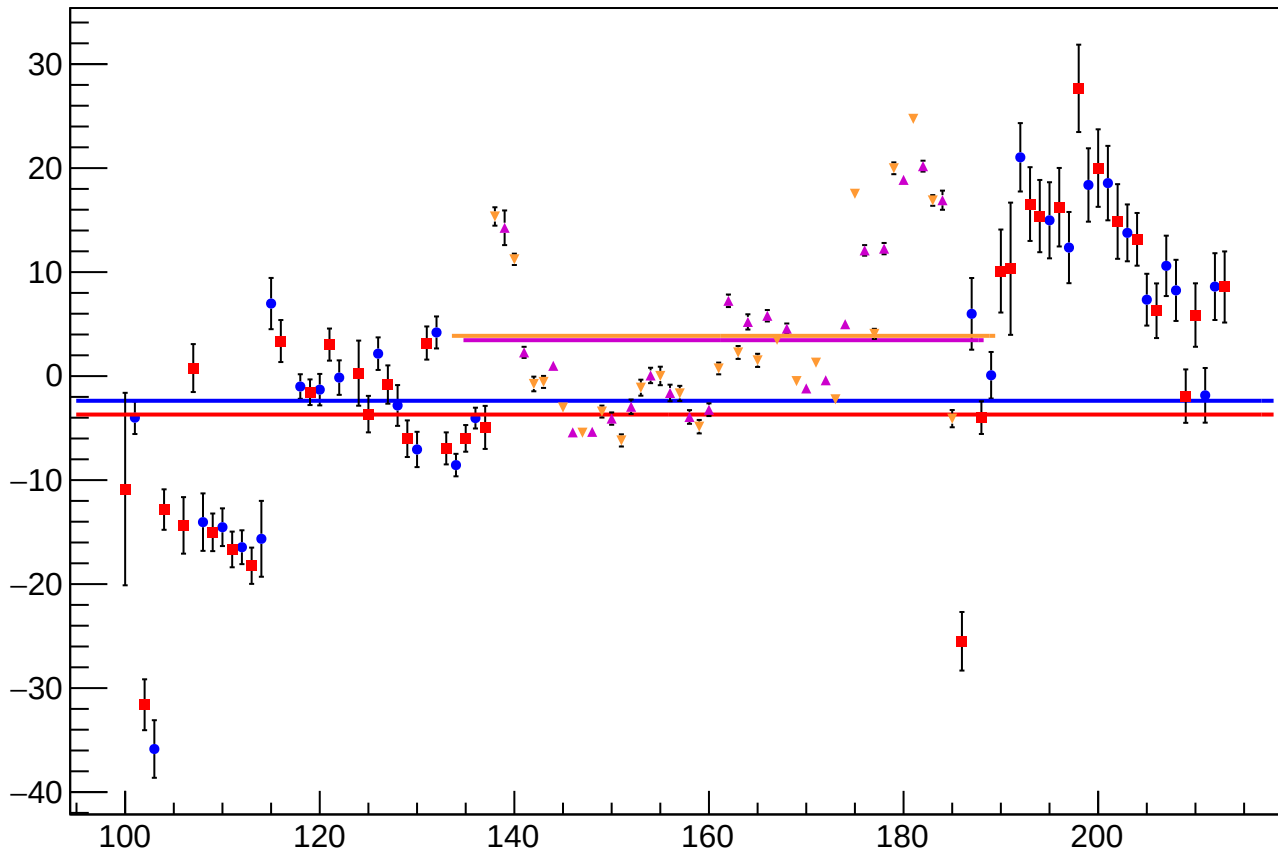
Left In: -29.878 ± 0.146 χ^2/NDF : 12034.7/22

+ sign -26.910 ± 0.129 χ^2/NDF : 21397.8/53

All: -26.156 ± 0.092 χ^2/NDF : 42063.9/110

- sign -25.375 ± 0.132 χ^2/NDF : 20597.1/56

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.372 ± 0.357 χ^2/NDF : 648.5/28

Left Out: 3.873 ± 0.111 χ^2/NDF : 6542.0/24

Right Out: -3.696 ± 0.366 χ^2/NDF : 776.6/33

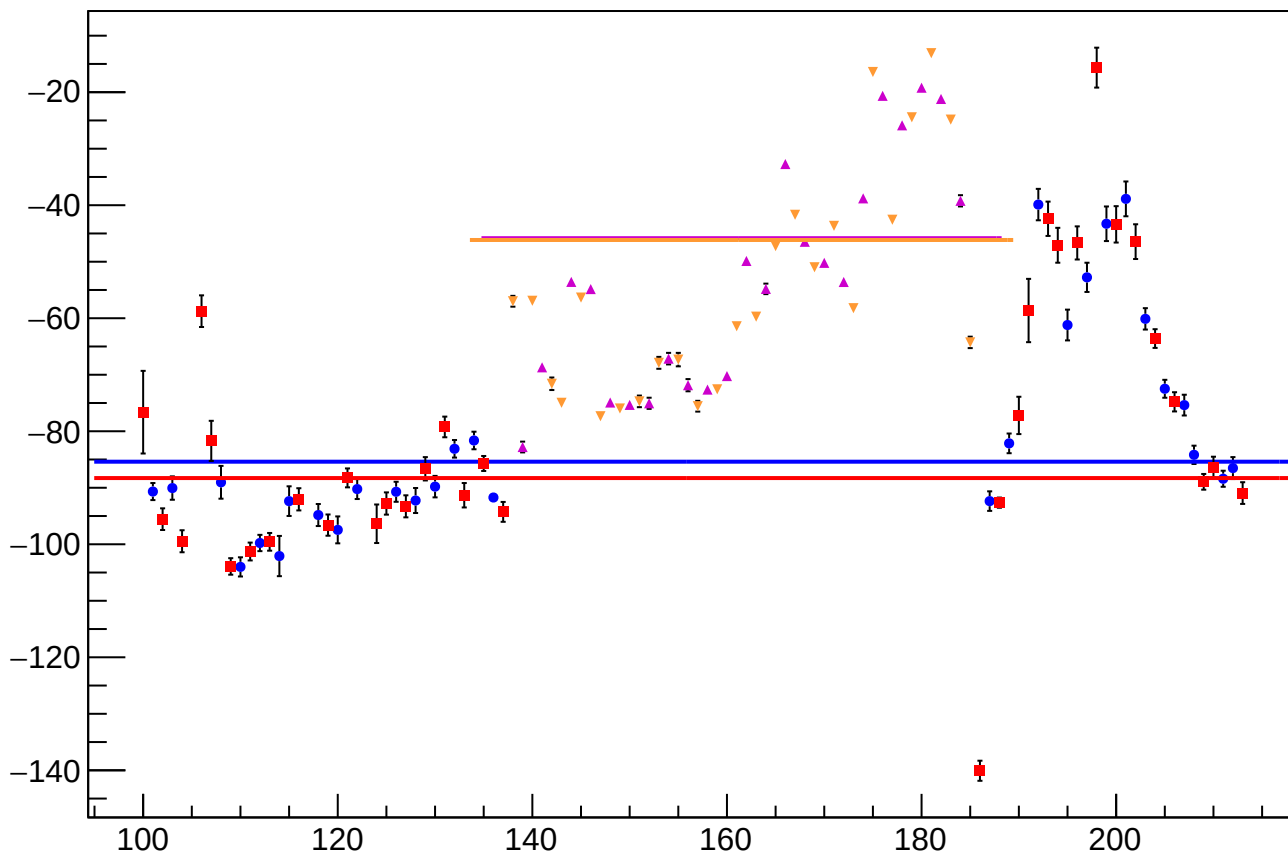
Left In: 3.453 ± 0.114 χ^2/NDF : 4693.7/22

+ sign 3.320 ± 0.106 χ^2/NDF : 7470.0/53

All: 3.077 ± 0.076 χ^2/NDF : 13299.0/110

- sign 2.824 ± 0.109 χ^2/NDF : 5818.3/56

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.387 ± 0.334 $\chi^2/\text{NDF}: 1632.5/28$

Left Out: -46.153 ± 0.142 $\chi^2/\text{NDF}: 21455.9/24$

Right Out: -88.283 ± 0.328 $\chi^2/\text{NDF}: 3092.8/33$

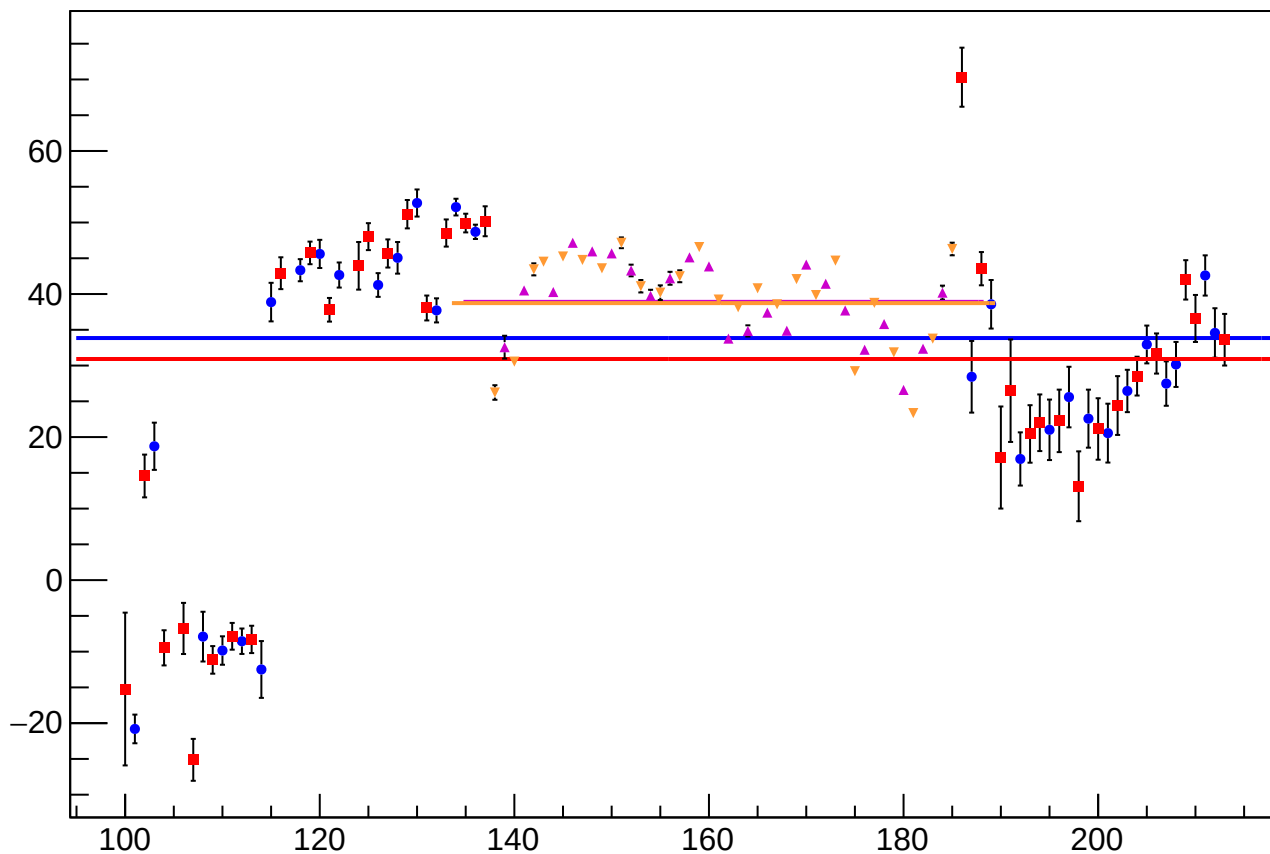
Left In: -45.833 ± 0.146 $\chi^2/\text{NDF}: 17924.6/22$

+ sign -52.189 ± 0.131 $\chi^2/\text{NDF}: 34766.1/53$

All: -52.509 ± 0.093 $\chi^2/\text{NDF}: 69747.0/110$

- sign -52.840 ± 0.133 $\chi^2/\text{NDF}: 34968.8/56$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.847 $\pm$ 0.401 χ^2 /NDF: 2889.7/28

Left Out: 38.730 $\pm$ 0.125 χ^2 /NDF: 2781.7/24

Right Out: 30.917 $\pm$ 0.417 χ^2 /NDF: 3095.1/33

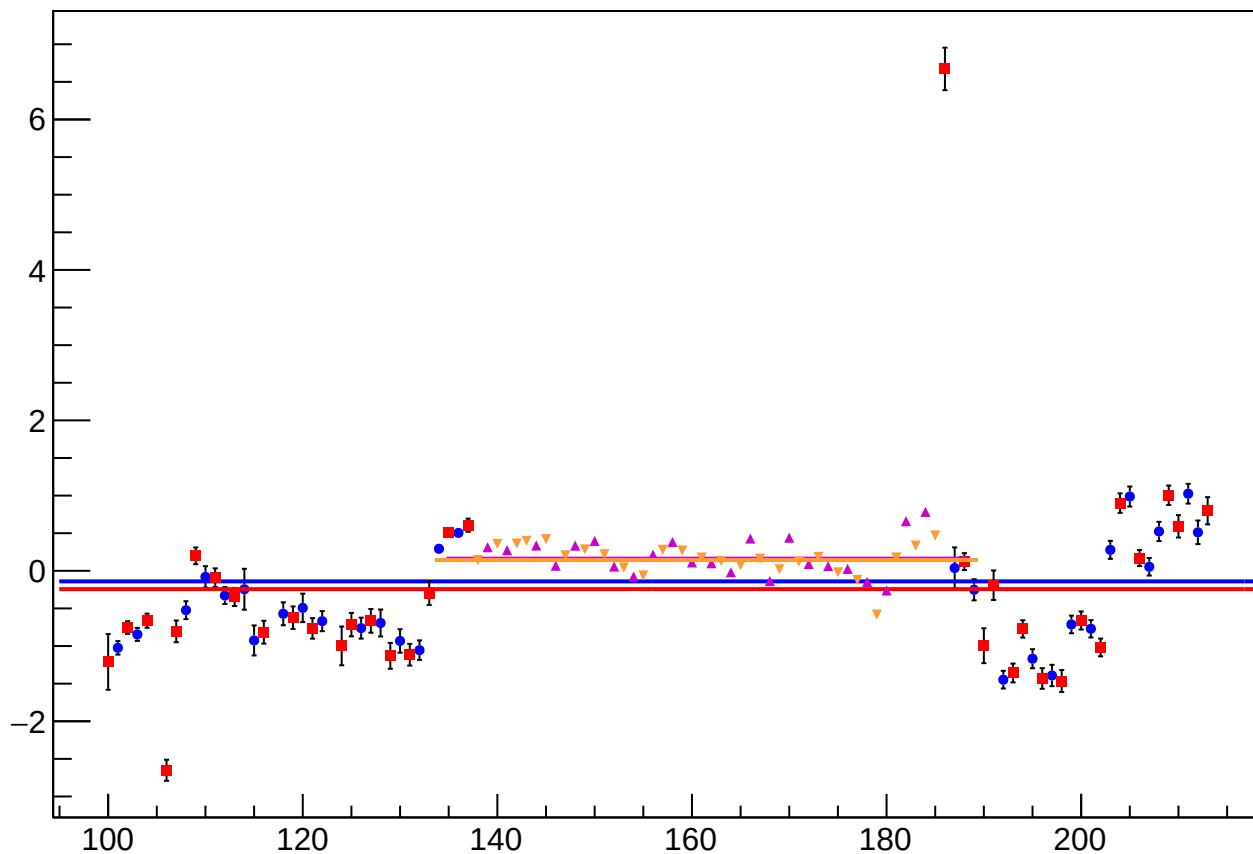
Left In: 38.905 $\pm$ 0.127 χ^2 /NDF: 1971.6/22

+ sign 38.300 $\pm$ 0.119 χ^2 /NDF: 5806.8/53

All: 38.262 $\pm$ 0.085 χ^2 /NDF: 11209.9/110

- sign 38.221 $\pm$ 0.122 χ^2 /NDF: 5402.9/56

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.141 ± 0.020 χ^2/NDF : 1165.9/28

Left Out: 0.144 ± 0.006 χ^2/NDF : 1442.8/24

Right Out: -0.243 ± 0.021 χ^2/NDF : 1995.5/33

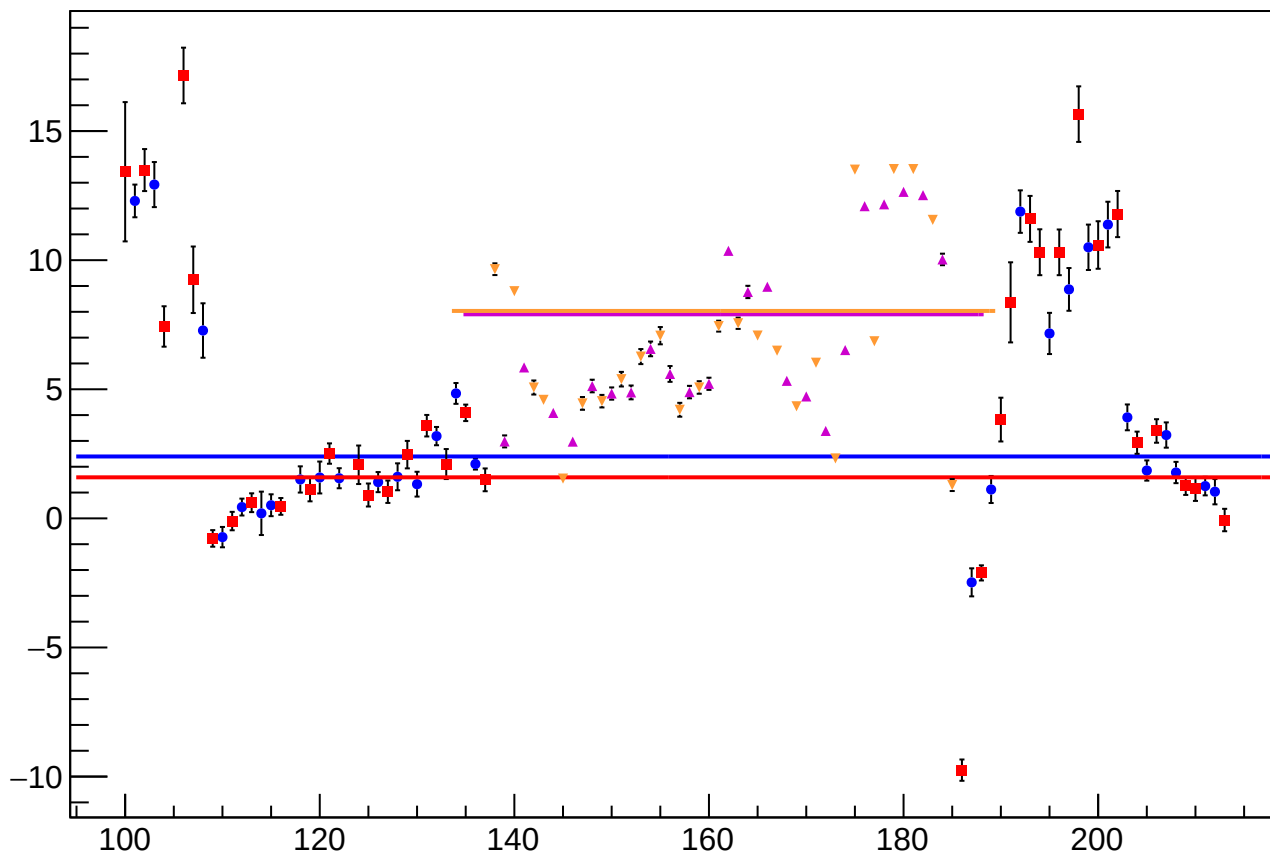
Left In: 0.161 ± 0.006 χ^2/NDF : 1918.8/22

+ sign 0.123 ± 0.005 χ^2/NDF : 2795.3/53

All: 0.128 ± 0.004 χ^2/NDF : 7053.8/110

- sign 0.134 ± 0.006 χ^2/NDF : 4256.6/56

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.397 ± 0.085 χ^2/NDF : 1141.8/28

Left Out: 8.034 ± 0.035 χ^2/NDF : 13924.1/24

Right Out: 1.590 ± 0.083 χ^2/NDF : 2426.9/33

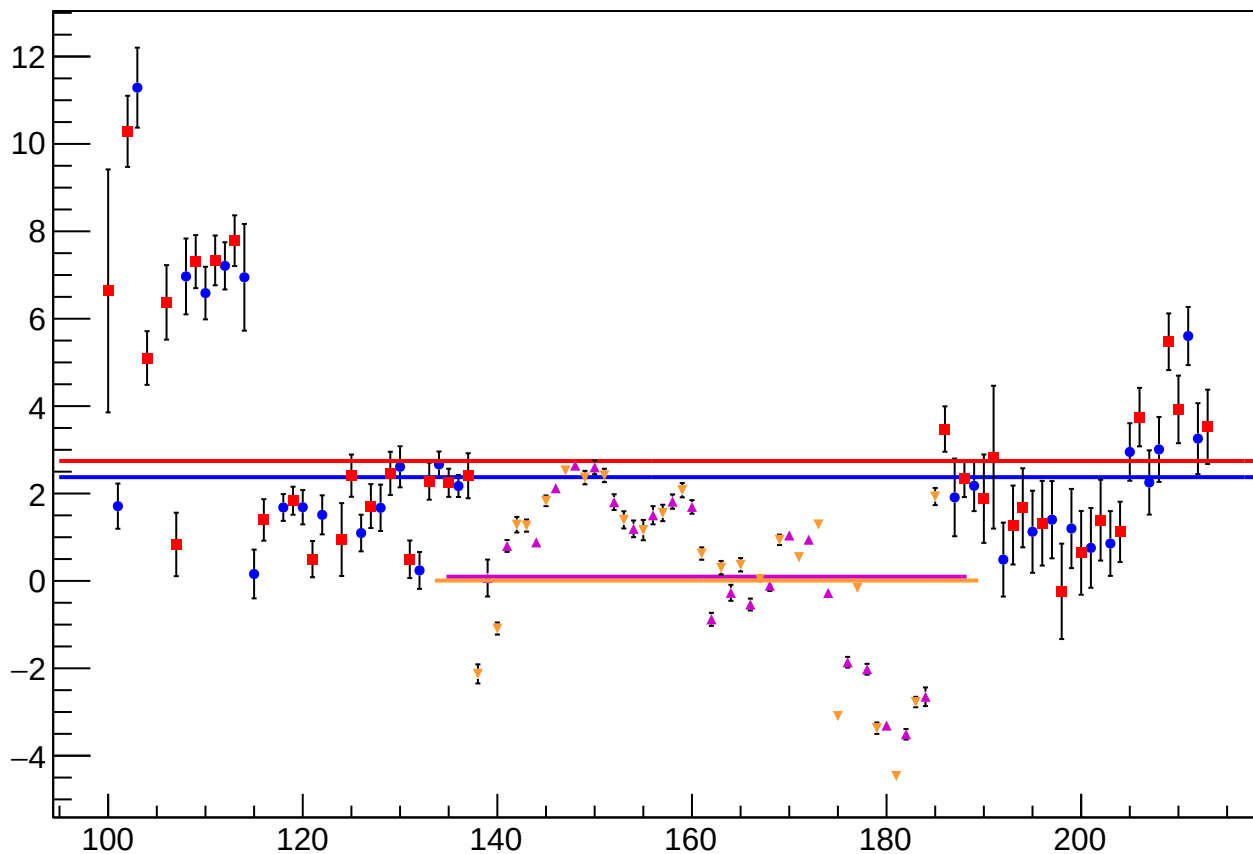
Left In: 7.903 ± 0.036 χ^2/NDF : 10017.8/22

+ sign 7.233 ± 0.032 χ^2/NDF : 18809.7/53

All: 7.077 ± 0.023 χ^2/NDF : 36171.8/110

- sign 6.914 ± 0.033 χ^2/NDF : 17314.2/56

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.374 ± 0.097 χ^2/NDF : 377.6/28

Left Out: 0.009 ± 0.027 χ^2/NDF : 5761.2/24

Right Out: 2.744 ± 0.099 χ^2/NDF : 464.1/33

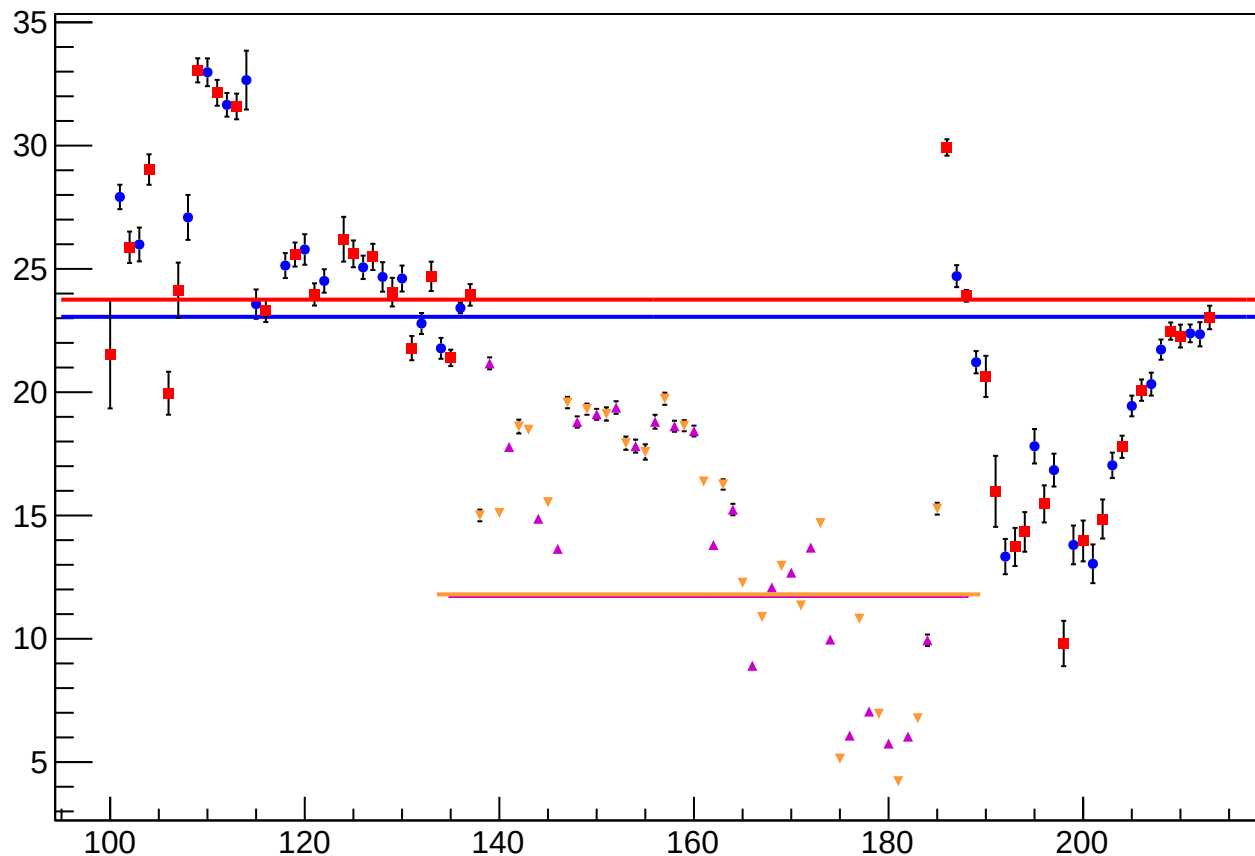
Left In: 0.096 ± 0.028 χ^2/NDF : 4433.3/22

+ sign 0.186 ± 0.026 χ^2/NDF : 6694.0/53

All: 0.238 ± 0.019 χ^2/NDF : 12259.1/110

- sign 0.293 ± 0.027 χ^2/NDF : 5557.1/56

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.057 $\pm$ 0.090 χ^2/NDF : 1845.3/28

Left Out: 11.802 $\pm$ 0.035 χ^2/NDF :21479.5/24

Right Out: 23.754 $\pm$ 0.088 χ^2/NDF : 2648.9/33

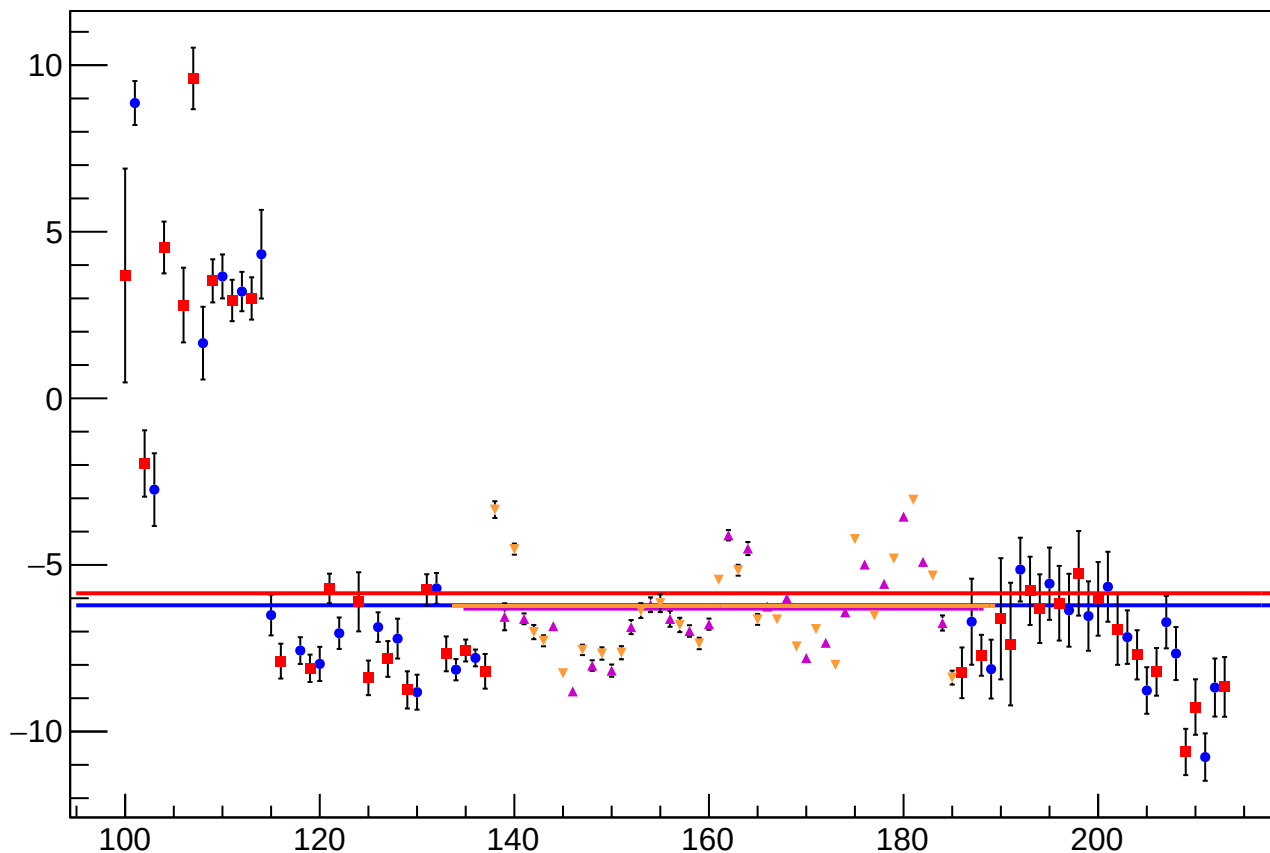
Left In: 11.735 $\pm$ 0.036 χ^2/NDF :17999.5/22

+ sign 13.272 $\pm$ 0.032 χ^2/NDF : 36951.6/53

All: 13.363 $\pm$ 0.023 χ^2/NDF : 73772.4/110

- sign 13.459 $\pm$ 0.033 χ^2/NDF : 36804.6/56

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.211 ± 0.108 χ^2/NDF : 1333.5/28

Left Out: -6.231 ± 0.031 χ^2/NDF : 2450.1/24

Right Out: -5.851 ± 0.113 χ^2/NDF : 1427.7/33

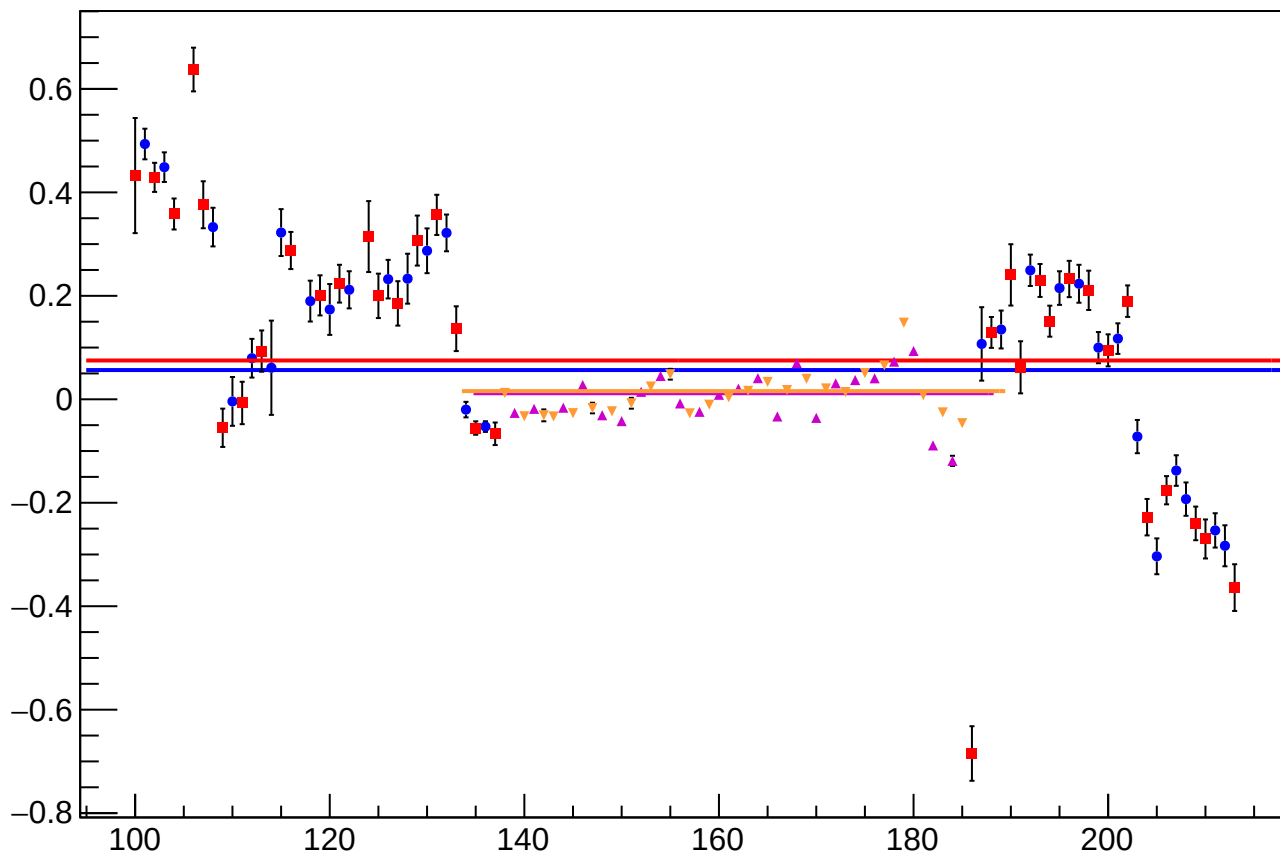
Left In: -6.311 ± 0.031 χ^2/NDF : 2030.2/22

+ sign -6.229 ± 0.030 χ^2/NDF : 3783.6/53

All: -6.253 ± 0.021 χ^2/NDF : 7258.1/110

- sign -6.278 ± 0.030 χ^2/NDF : 3473.2/56

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.057 ± 0.005 χ^2/NDF : 1274.7/28

Left Out: 0.016 ± 0.001 χ^2/NDF : 933.4/24

Right Out: 0.075 ± 0.006 χ^2/NDF : 1532.7/33

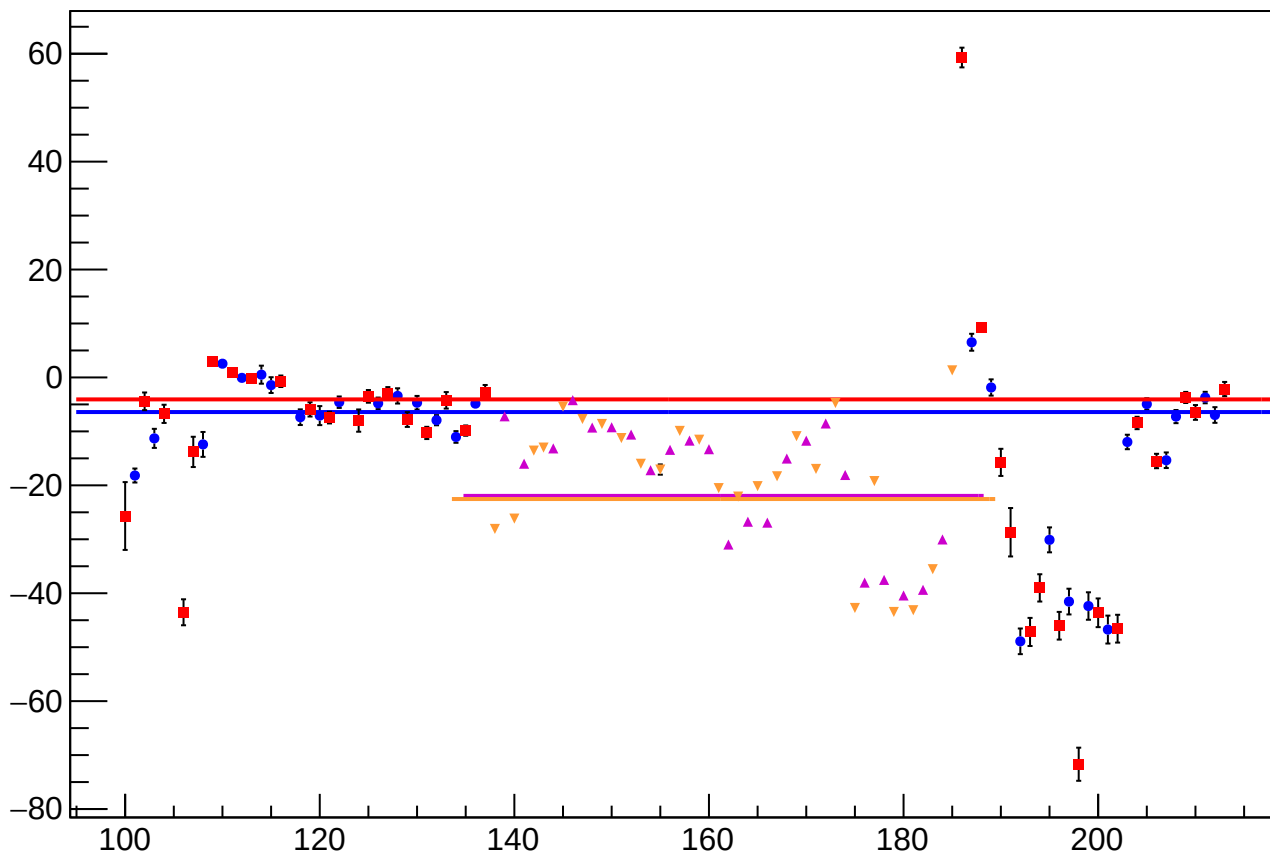
Left In: 0.012 ± 0.001 χ^2/NDF : 1297.5/22

+ sign 0.018 ± 0.001 χ^2/NDF : 2261.7/53

All: 0.017 ± 0.001 χ^2/NDF : 5210.8/110

- sign 0.015 ± 0.001 χ^2/NDF : 2946.6/56

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -6.415 ± 0.227 $\chi^2/\text{NDF}: 1609.4/28$

Left Out: -22.538 ± 0.108 $\chi^2/\text{NDF}: 16540.6/24$

Right Out: -4.070 ± 0.219 $\chi^2/\text{NDF}: 3912.7/33$

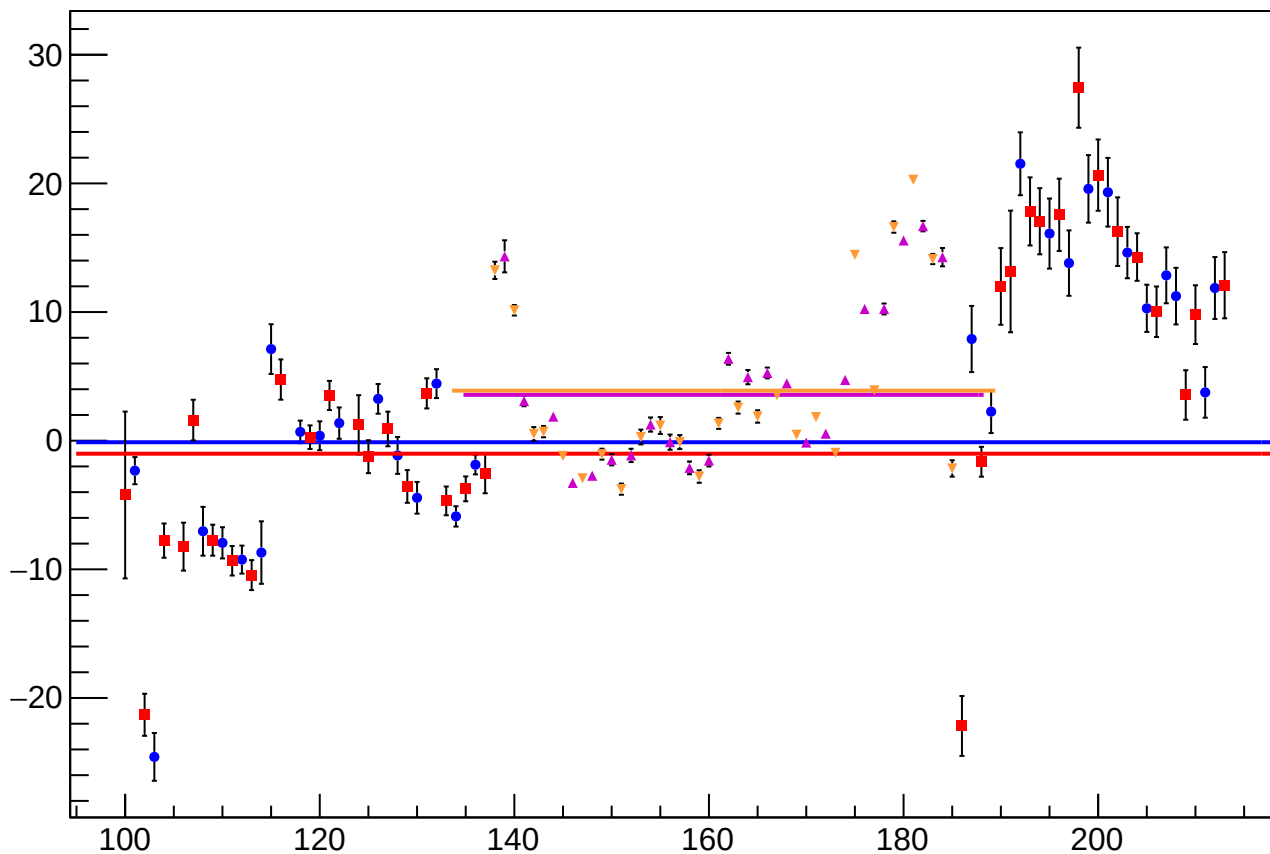
Left In: -21.957 ± 0.111 $\chi^2/\text{NDF}: 12585.3/22$

+ sign -19.547 ± 0.098 $\chi^2/\text{NDF}: 22276.5/53$

All: -18.925 ± 0.070 $\chi^2/\text{NDF}: 44173.5/110$

- sign -18.284 ± 0.099 $\chi^2/\text{NDF}: 21814.5/56$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.119 ± 0.259 χ^2/NDF : 870.8/28

Left Out: 3.891 ± 0.084 χ^2/NDF : 6724.1/24

Right Out: -1.011 ± 0.265 χ^2/NDF : 1016.5/33

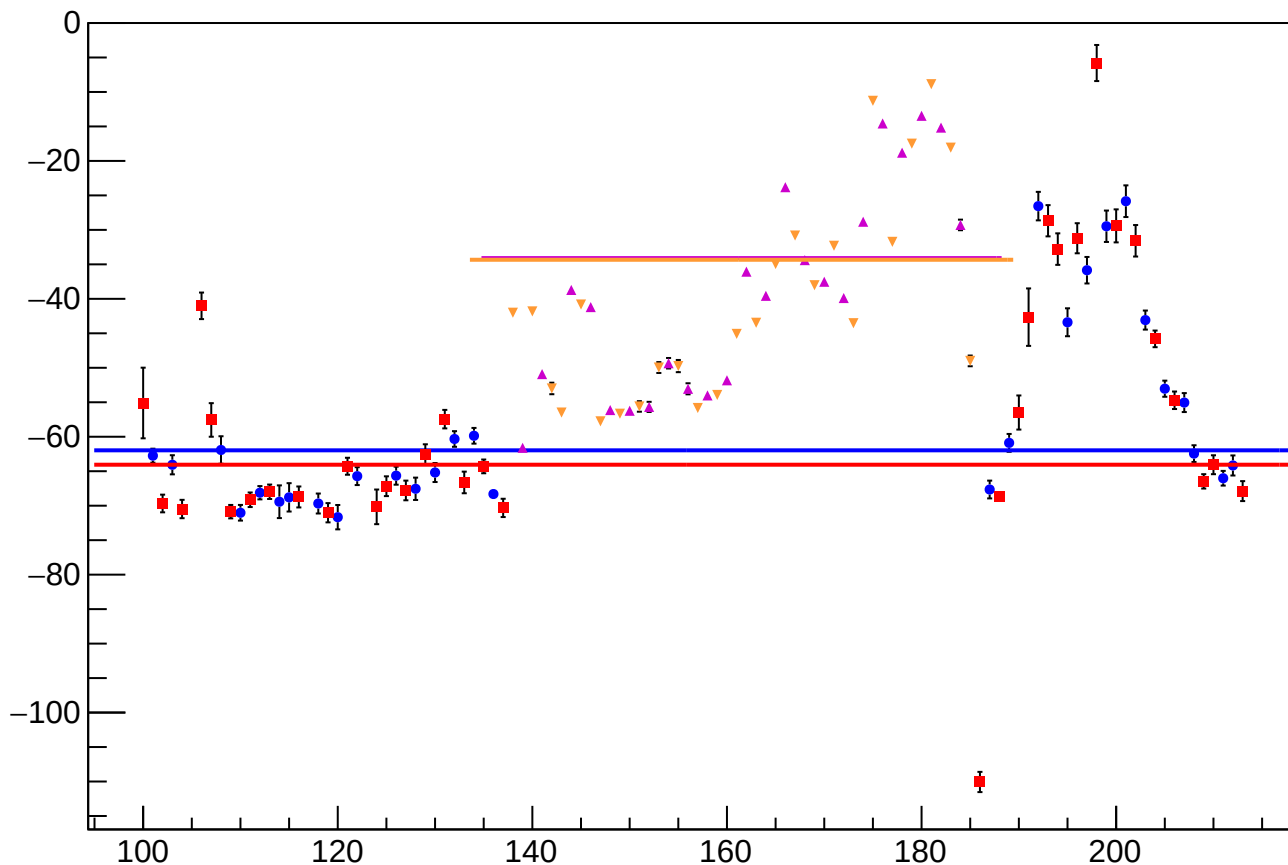
Left In: 3.565 ± 0.086 χ^2/NDF : 4739.4/22

+ sign 3.508 ± 0.080 χ^2/NDF : 7811.6/53

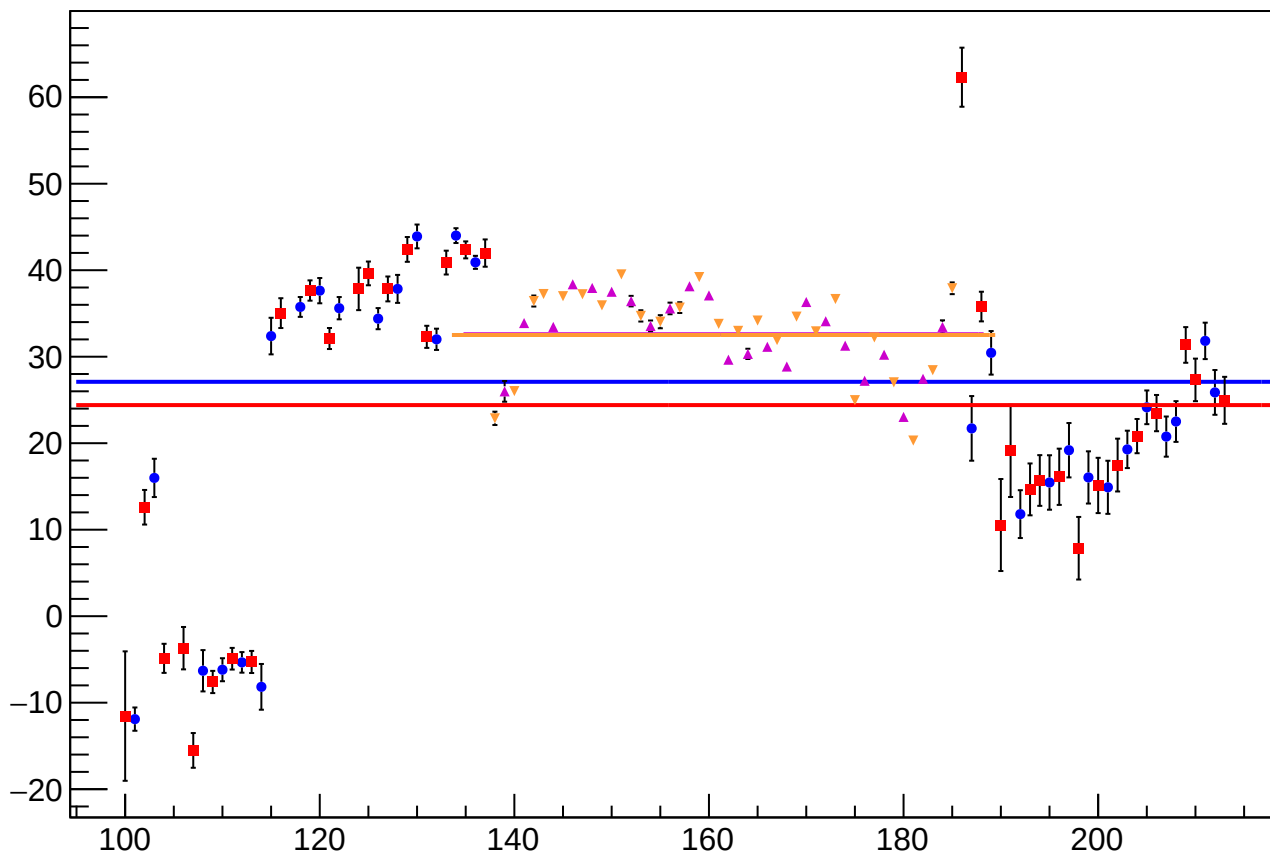
All: 3.322 ± 0.057 χ^2/NDF : 13848.3/110

- sign 3.127 ± 0.082 χ^2/NDF : 6025.8/56

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.098 $\pm$ 0.292 χ^2 /NDF: 3853.3/28

Left Out: 32.511 $\pm$ 0.095 χ^2 /NDF:2938.0/24

Right Out: 24.406 $\pm$ 0.302 χ^2 /NDF: 4093.9/33

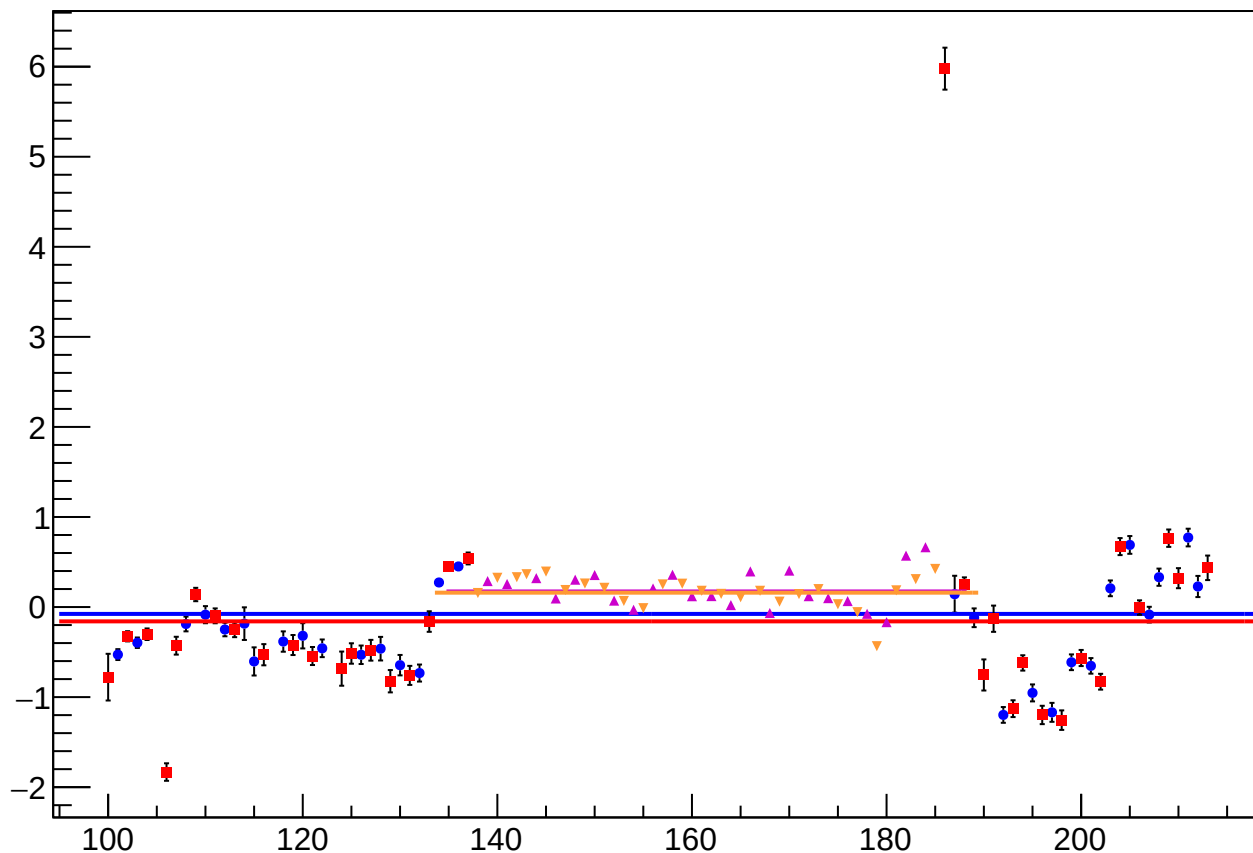
Left In: 32.598 $\pm$ 0.097 χ^2 /NDF:2012.9/22

+ sign 31.996 $\pm$ 0.090 χ^2 /NDF: 7103.2/53

All: 31.917 $\pm$ 0.064 χ^2 /NDF: 13880.9/110

- sign 31.833 $\pm$ 0.092 χ^2 /NDF: 6776.1/56

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.076 ± 0.015 χ^2/NDF : 1214.9/28

Left Out: 0.160 ± 0.004 χ^2/NDF : 1613.0/24

Right Out: -0.159 ± 0.015 χ^2/NDF : 2182.6/33

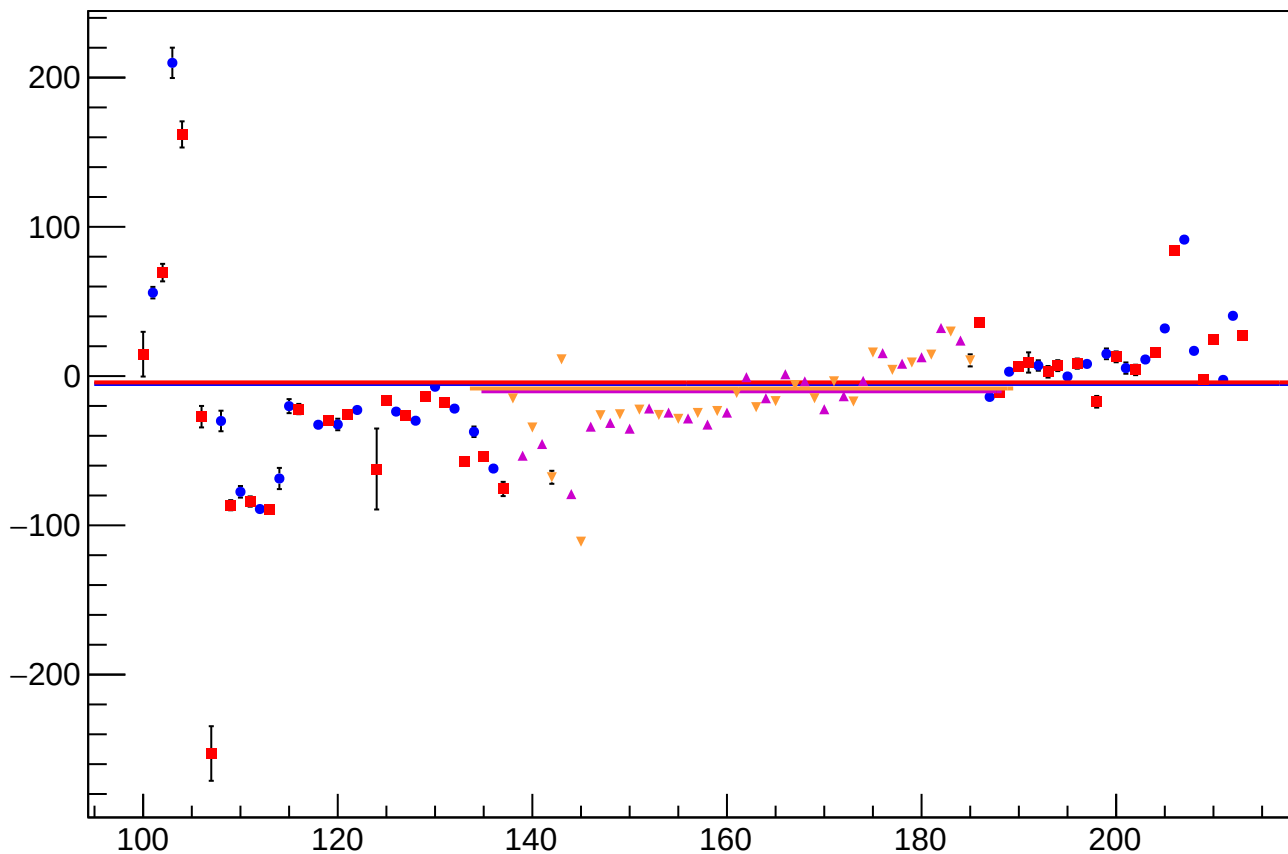
Left In: 0.173 ± 0.004 χ^2/NDF : 2129.7/22

+ sign 0.141 ± 0.004 χ^2/NDF : 3068.9/53

All: 0.145 ± 0.003 χ^2/NDF : 7818.7/110

- sign 0.149 ± 0.004 χ^2/NDF : 4748.2/56

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -5.284 ± 0.551 χ^2/NDF : 4851.3/28

Left Out: -8.298 ± 0.514 χ^2/NDF : 2559.6/24

Right Out: -4.229 ± 0.500 χ^2/NDF : 5852.9/33

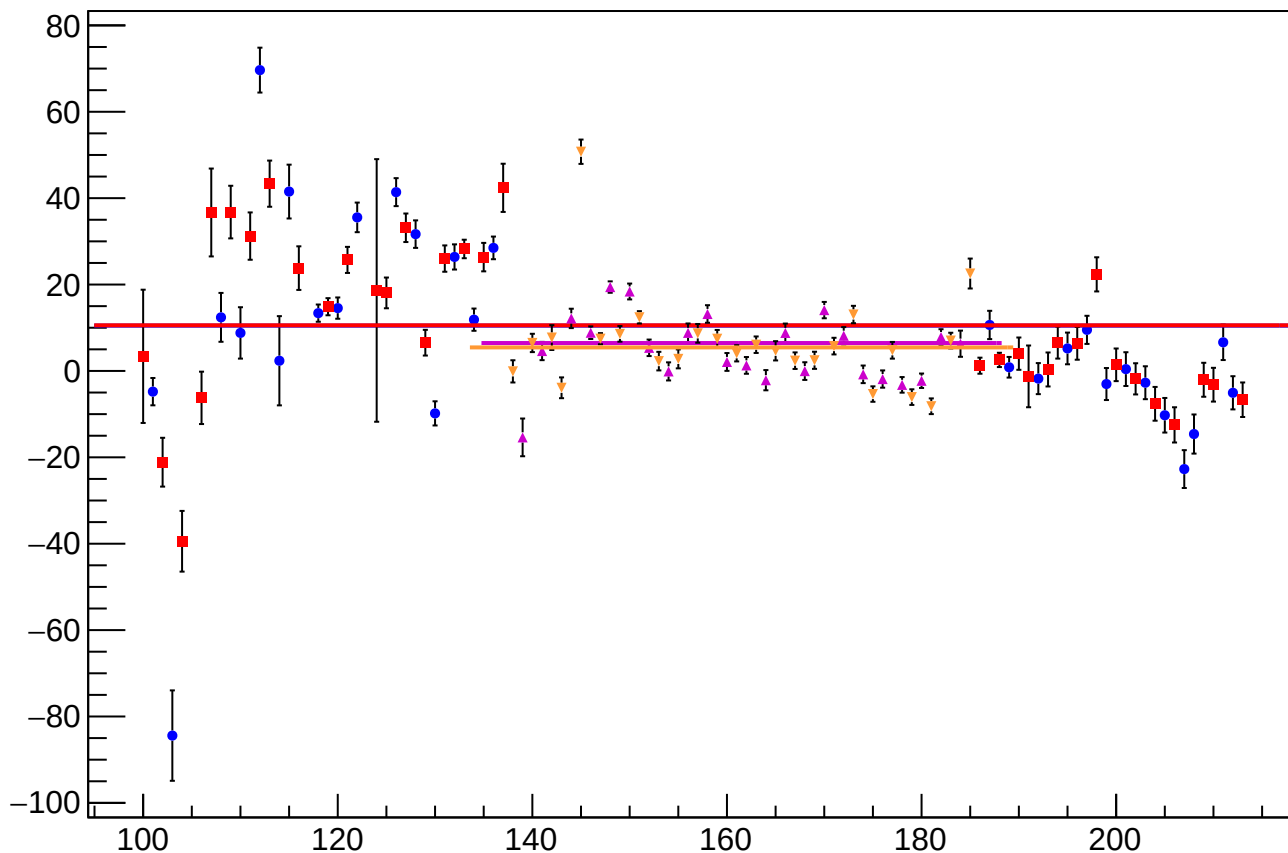
Left In: -10.183 ± 0.526 χ^2/NDF : 2518.4/22

+ sign -6.896 ± 0.376 χ^2/NDF : 7426.9/53

All: -6.977 ± 0.261 χ^2/NDF : 15865.5/110

- sign -7.052 ± 0.362 χ^2/NDF : 8438.6/56

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 10.492+/-0.634 χ^2 /NDF: 778.8/28

Left Out: 5.445+/-0.394 χ^2 /NDF: 493.7/24

Right Out: 10.561+/-0.597 χ^2 /NDF: 591.1/33

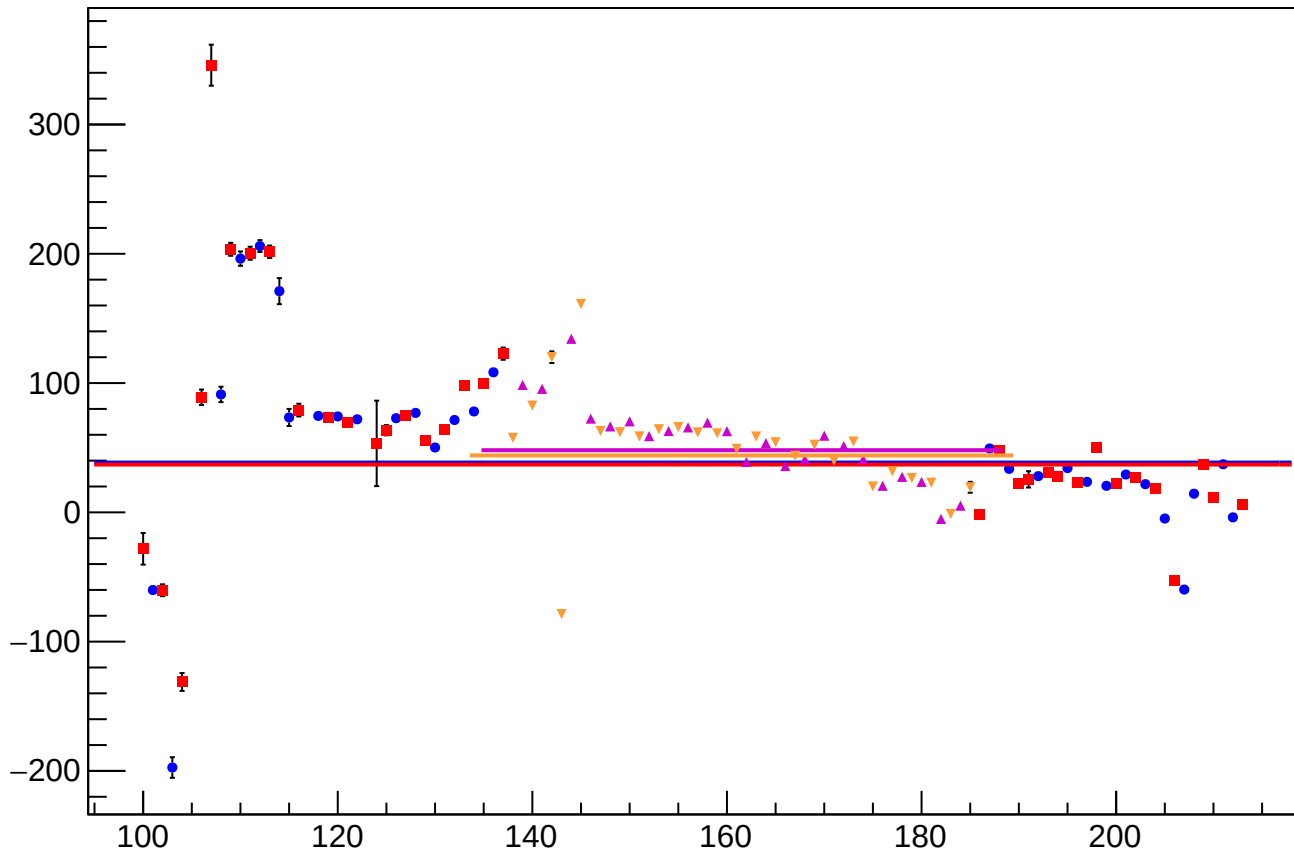
Left In: 6.461+/-0.408 χ^2 /NDF: 336.0/22

+ sign 6.852+/-0.335 χ^2 /NDF: 1318.2/53

All: 7.306+/-0.237 χ^2 /NDF: 2281.2/110

- sign 7.767+/-0.337 χ^2 /NDF: 959.2/56

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 38.503 ± 0.543 $\chi^2/\text{NDF}: 8218.2/28$

Left Out: 44.040 ± 0.510 $\chi^2/\text{NDF}: 4563.8/24$

Right Out: 36.983 ± 0.475 $\chi^2/\text{NDF}: 9324.9/33$

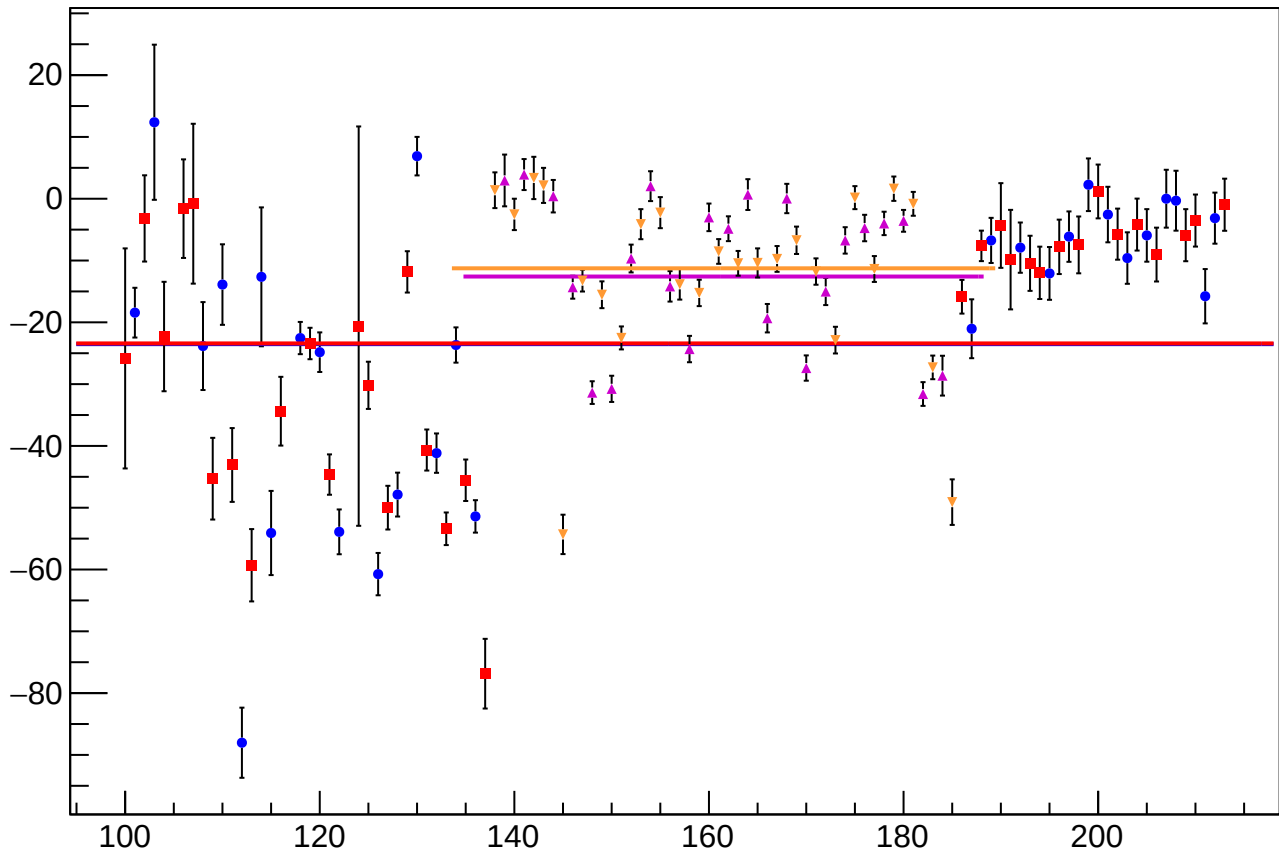
Left In: 48.076 ± 0.521 $\chi^2/\text{NDF}: 3376.5/22$

+ sign 41.444 ± 0.372 $\chi^2/\text{NDF}: 12837.3/53$

All: 41.746 ± 0.255 $\chi^2/\text{NDF}: 25787.4/110$

- sign 42.015 ± 0.351 $\chi^2/\text{NDF}: 12948.9/56$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -23.530 ± 0.738 χ^2/NDF : 860.4/28

Left Out: -11.260 ± 0.445 χ^2/NDF : 643.3/24

Right Out: -23.413 ± 0.717 χ^2/NDF : 735.3/33

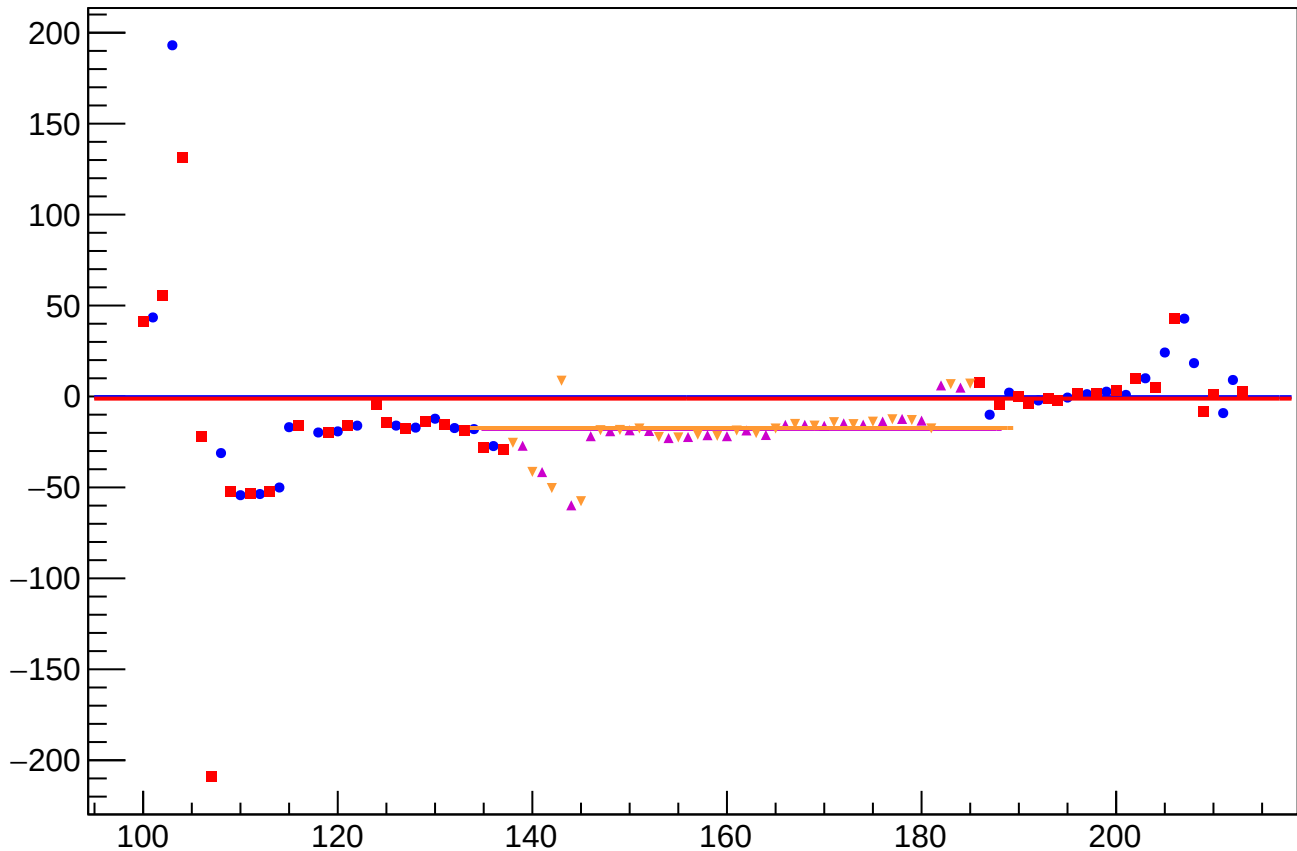
Left In: -12.589 ± 0.459 χ^2/NDF : 671.8/22

+ sign -14.532 ± 0.381 χ^2/NDF : 1706.5/53

All: -15.123 ± 0.271 χ^2/NDF : 3280.1/110

- sign -15.731 ± 0.387 χ^2/NDF : 1568.6/56

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.352 ± 0.035 χ^2/NDF : 647680.2/28

Left Out: -17.330 ± 0.020 χ^2/NDF : 347790.9/24

Right Out: -1.175 ± 0.034 χ^2/NDF : 571673.8/33

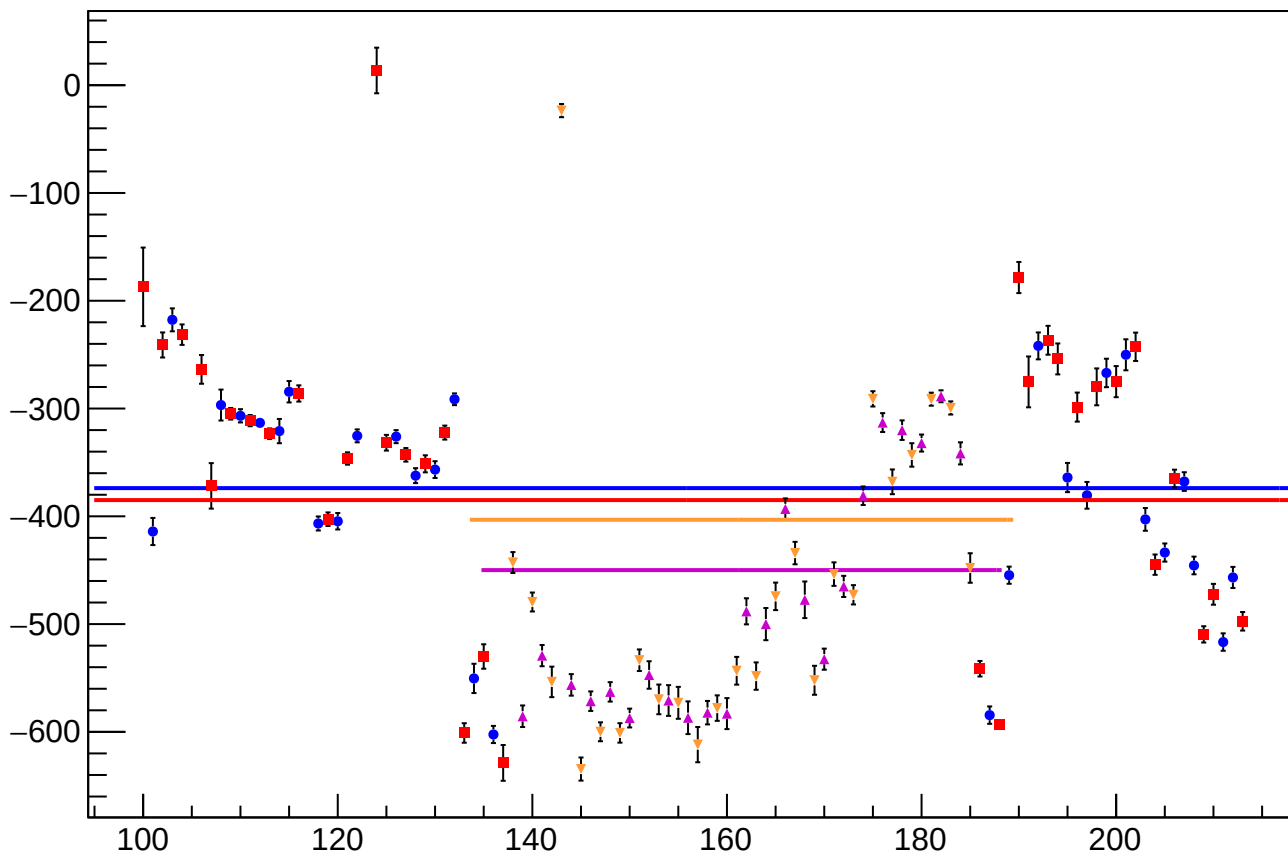
Left In: -17.829 ± 0.020 χ^2/NDF : 267426.0/22

+ sign -13.078 ± 0.017 χ^2/NDF : 1176574.8/53

All: -13.227 ± 0.012 χ^2/NDF : 2195902.1/110

- sign -13.378 ± 0.017 χ^2/NDF : 1019177.7/56

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -373.848 ± 1.512 χ^2/NDF : 3605.8/28

Left Out: -403.195 ± 1.928 χ^2/NDF : 7750.3/24

Right Out: -384.950 ± 1.413 χ^2/NDF : 6919.6/33

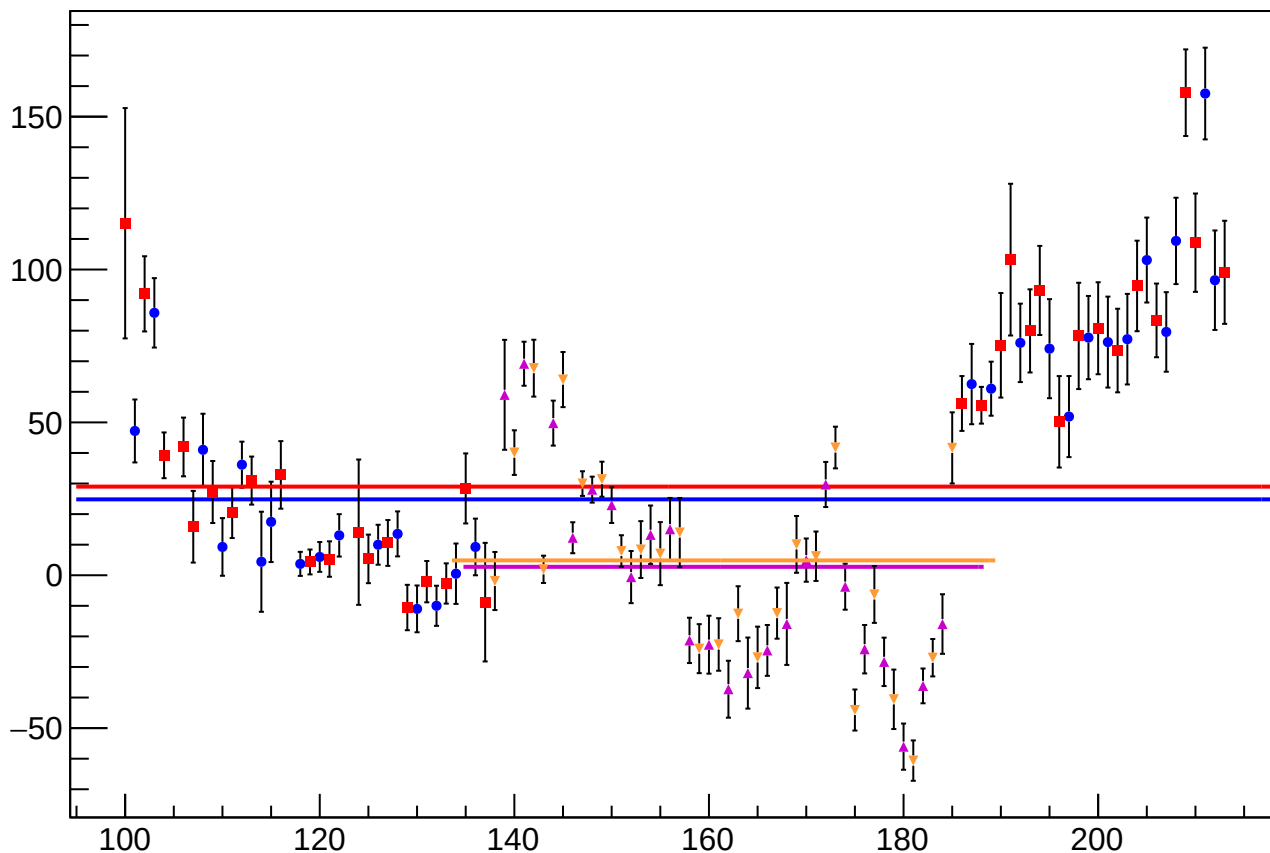
Left In: -449.912 ± 2.043 χ^2/NDF : 3218.9/22

+ sign -385.026 ± 1.190 χ^2/NDF : 11499.6/53

All: -395.742 ± 0.831 χ^2/NDF : 22480.5/110

- sign -405.971 ± 1.162 χ^2/NDF : 10822.3/56

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 24.825 ± 1.650 $\chi^2/\text{NDF}: 432.3/28$

Left Out: 4.858 ± 1.447 $\chi^2/\text{NDF}: 457.2/24$

Right Out: 28.995 ± 1.606 $\chi^2/\text{NDF}: 458.5/33$

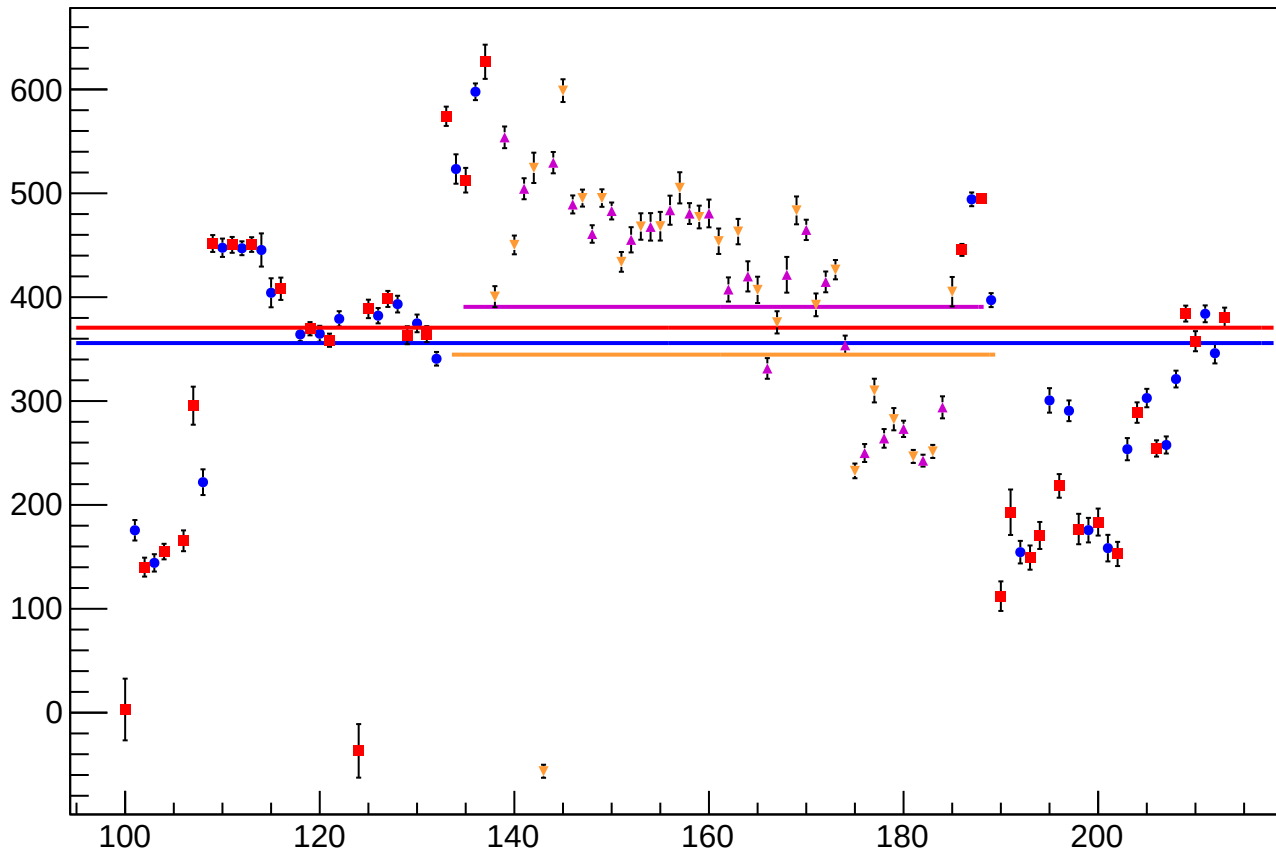
Left In: 2.756 ± 1.554 $\chi^2/\text{NDF}: 399.6/22$

+ sign 13.540 ± 1.088 $\chi^2/\text{NDF}: 972.3/53$

All: 14.466 ± 0.779 $\chi^2/\text{NDF}: 1969.8/110$

- sign 15.442 ± 1.117 $\chi^2/\text{NDF}: 996.0/56$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 355.816 ± 1.607 χ^2/NDF : 4189.5/28

Left Out: 344.680 ± 1.924 χ^2/NDF : 7278.2/24

Right Out: 370.613 ± 1.469 χ^2/NDF : 7214.3/33

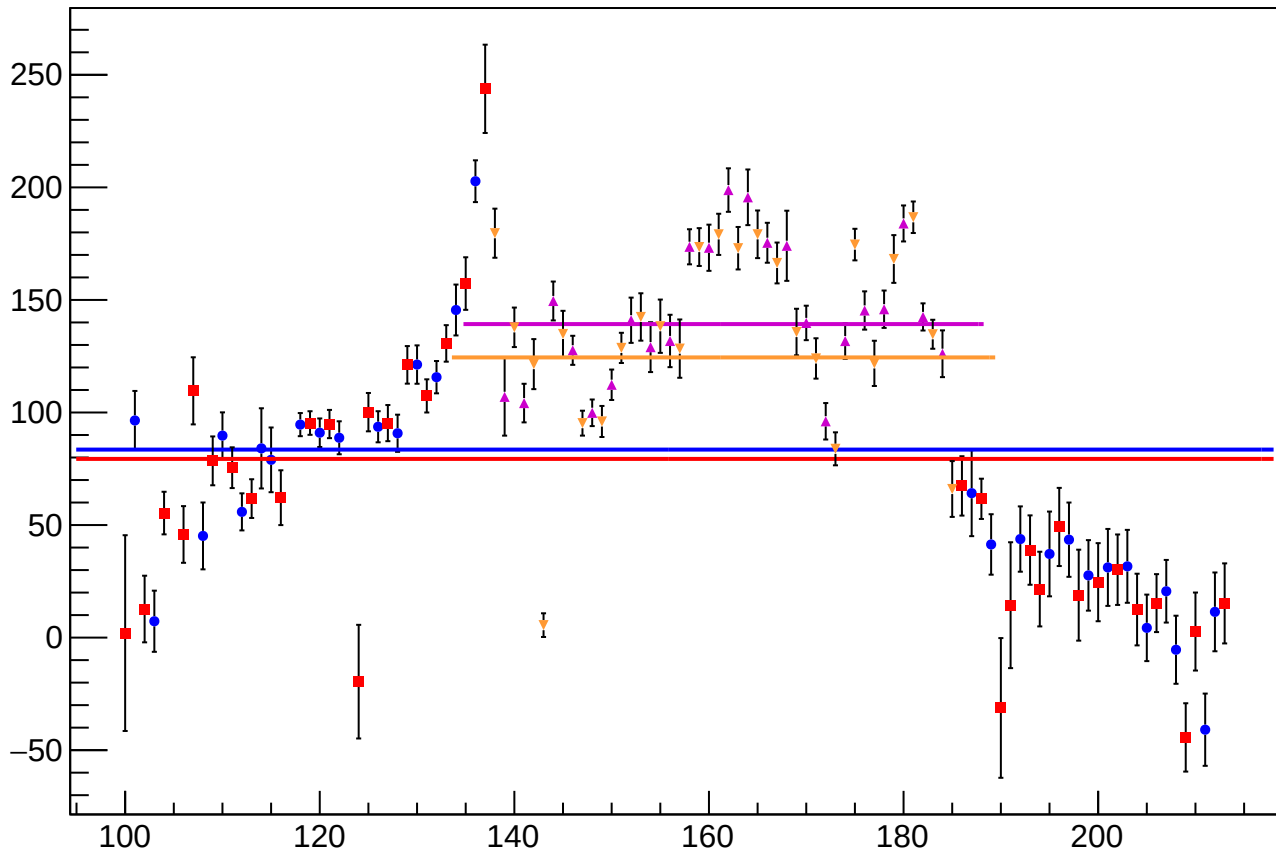
Left In: 390.672 ± 2.029 χ^2/NDF : 2672.8/22

+ sign 351.240 ± 1.233 χ^2/NDF : 11487.4/53

All: 364.846 ± 0.856 χ^2/NDF : 21673.5/110

- sign 377.508 ± 1.190 χ^2/NDF : 9951.2/56

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 83.523 ± 1.926 χ^2/NDF : 518.8/28

Left Out: 124.466 ± 1.662 χ^2/NDF : 937.6/24

Right Out: 79.380 ± 1.886 χ^2/NDF : 497.7/33

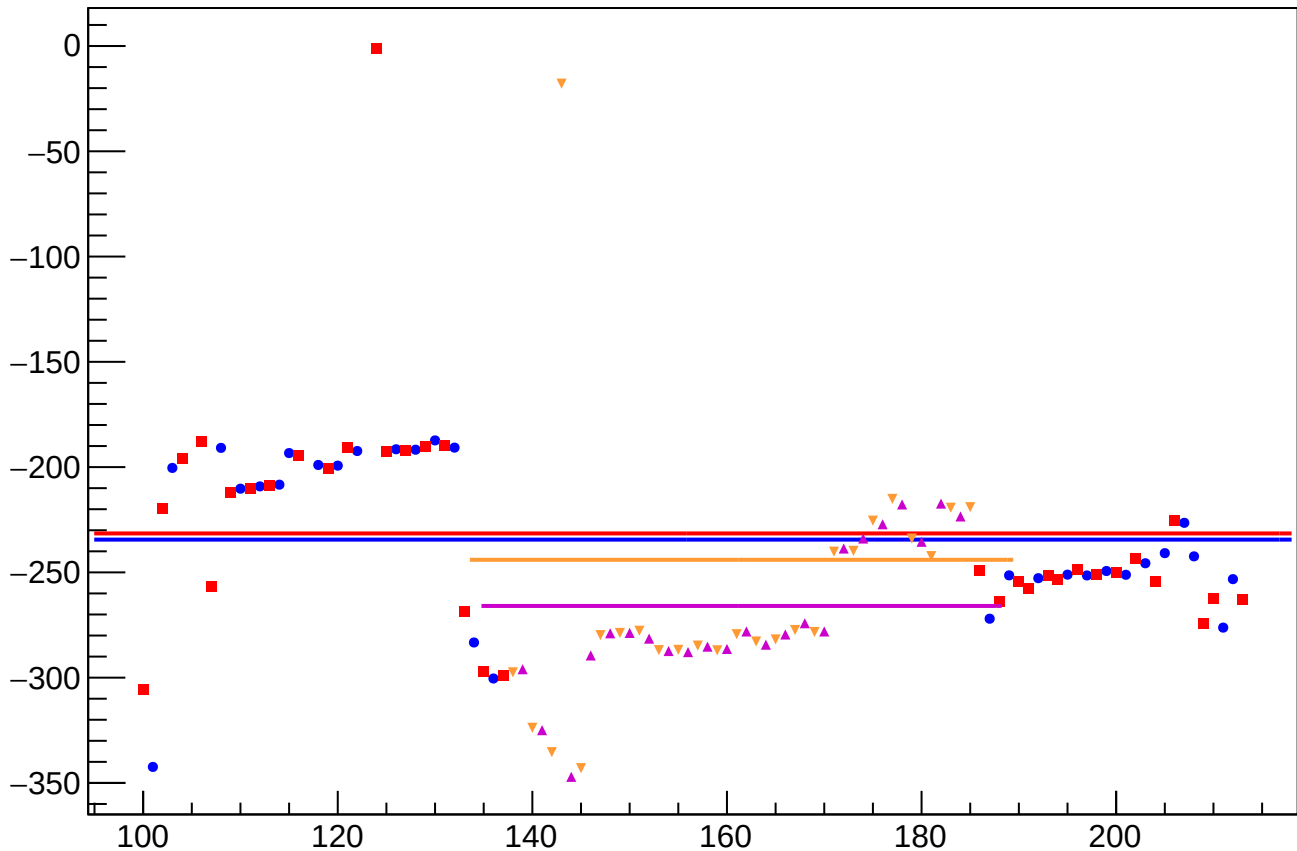
Left In: 139.274 ± 1.769 χ^2/NDF : 260.9/22

+ sign 106.991 ± 1.258 χ^2/NDF : 1715.4/53

All: 109.061 ± 0.901 χ^2/NDF : 3015.9/110

- sign 111.239 ± 1.290 χ^2/NDF : 1294.9/56

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -234.439 ± 0.105 χ^2/NDF : 139898.7/28

Left Out: -244.021 ± 0.077 χ^2/NDF : 997959.6/24

Right Out: -231.503 ± 0.100 χ^2/NDF : 118045.0/33

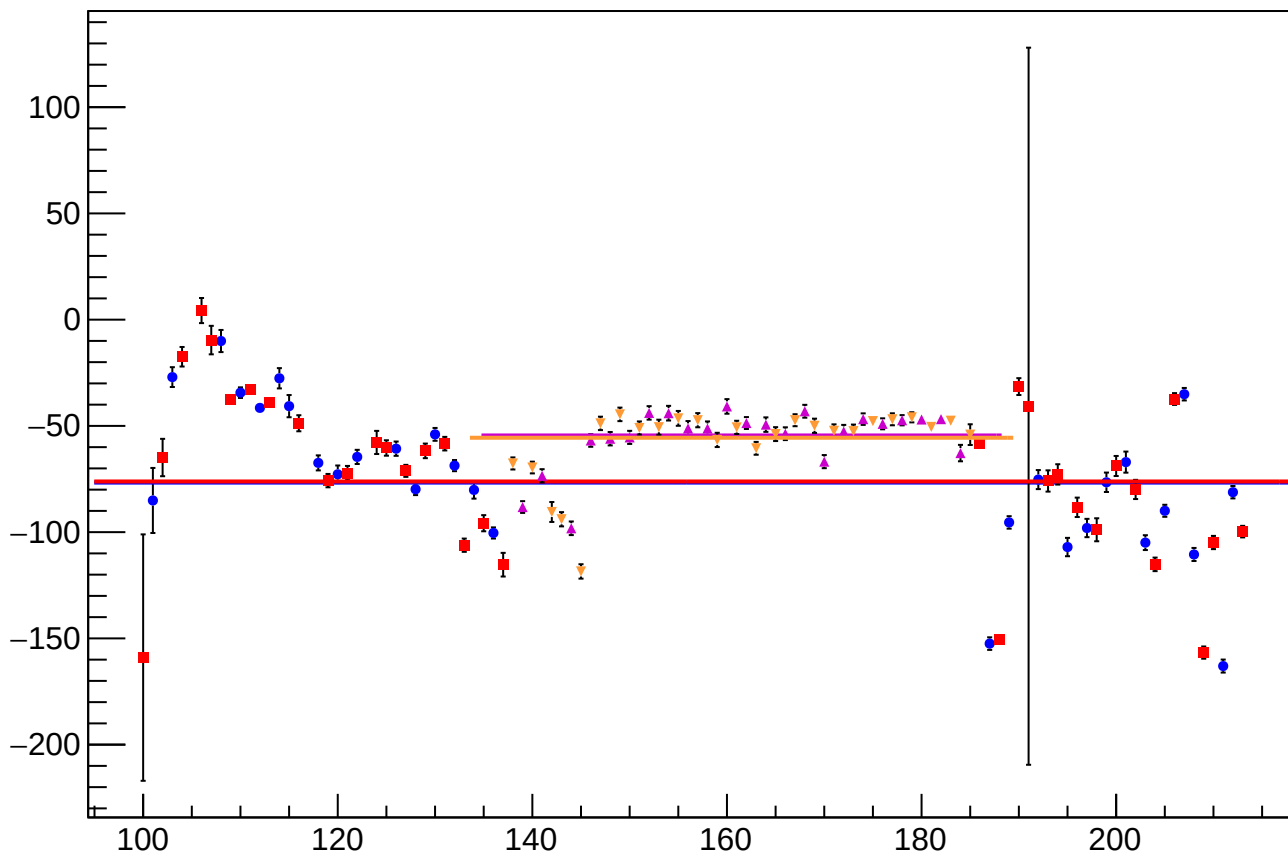
Left In: -265.945 ± 0.081 χ^2/NDF : 169943.2/22

+ sign -240.643 ± 0.062 χ^2/NDF : 1143270.7/53

All: -246.503 ± 0.044 χ^2/NDF : 1520752.6/11

- sign -252.476 ± 0.063 χ^2/NDF : 359572.7/56

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -76.676 ± 0.622 χ^2/NDF : 3161.4/28

Left Out: -55.575 ± 0.590 χ^2/NDF : 686.5/24

Right Out: -76.152 ± 0.562 χ^2/NDF : 5134.5/33

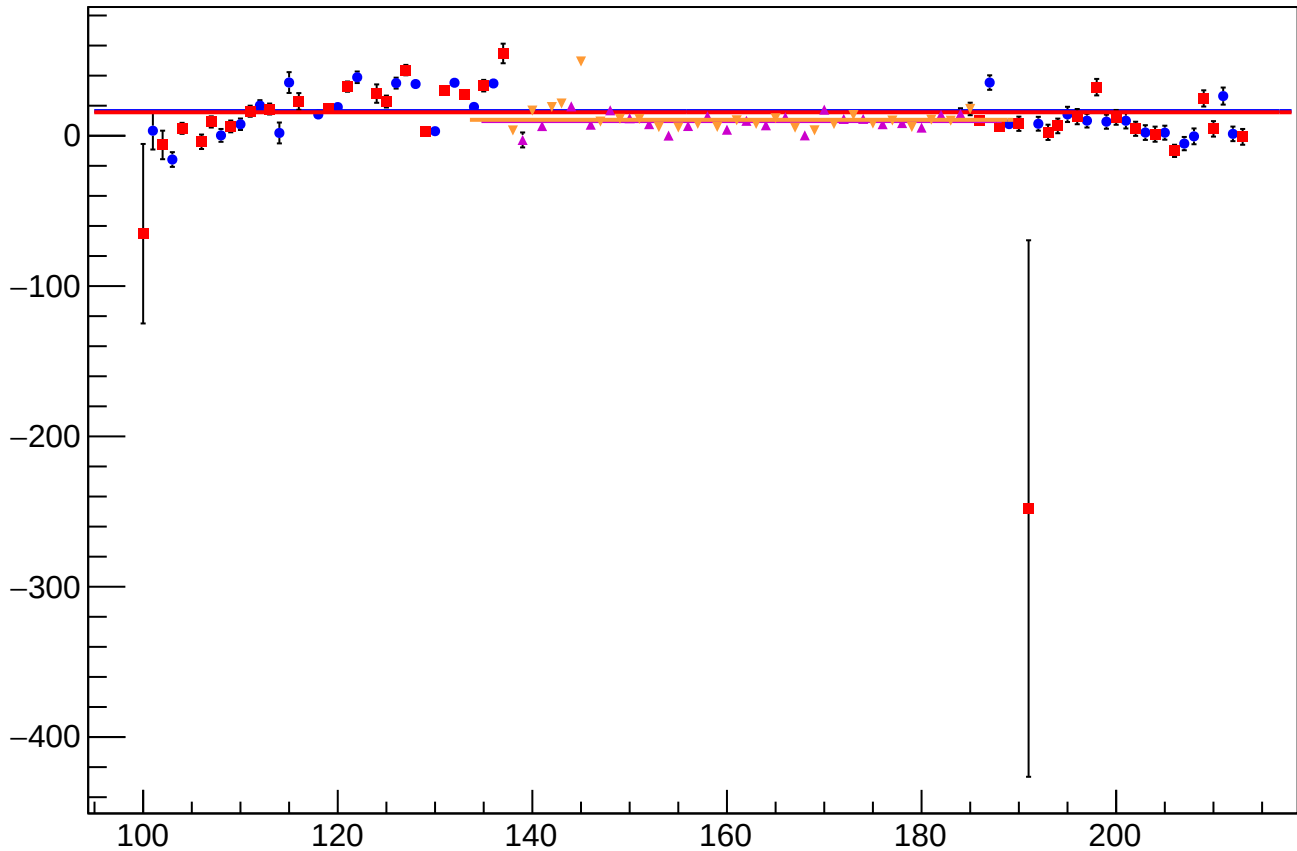
Left In: -54.499 ± 0.606 χ^2/NDF : 500.4/22

+ sign -65.567 ± 0.428 χ^2/NDF : 4453.4/53

All: -65.865 ± 0.297 χ^2/NDF : 10775.1/110

- sign -66.141 ± 0.412 χ^2/NDF : 6320.8/56

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.425 $\pm$ 0.719 χ^2/NDF : 360.6/28

Left Out: 10.603 $\pm$ 0.449 χ^2/NDF : 255.2/24

Right Out: 15.619 $\pm$ 0.663 χ^2/NDF : 378.5/33

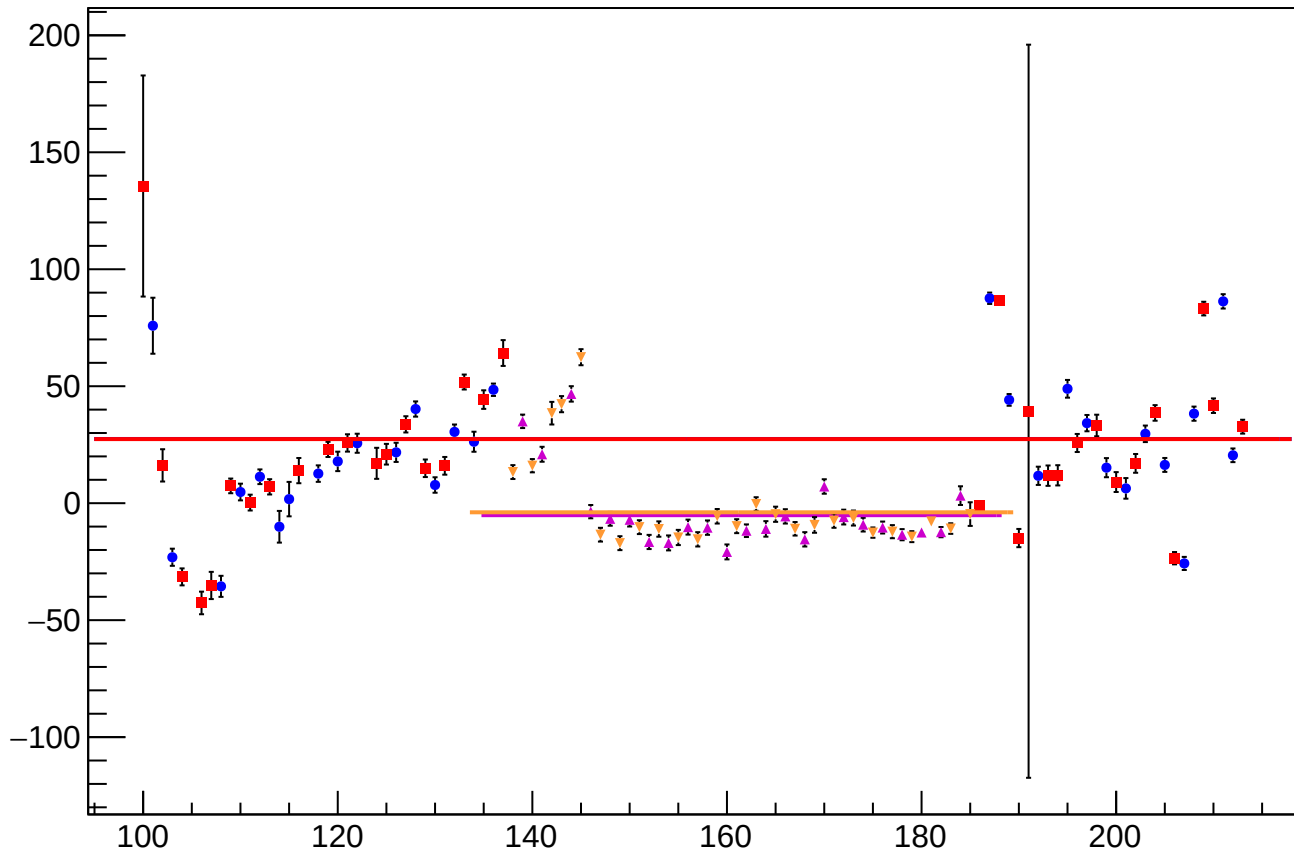
Left In: 9.765 $\pm$ 0.467 χ^2/NDF : 121.0/22

+ sign 12.238 $\pm$ 0.381 χ^2/NDF : 662.9/53

All: 11.973 $\pm$ 0.270 χ^2/NDF : 1215.5/110

- sign 11.707 $\pm$ 0.382 χ^2/NDF : 551.6/56

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 27.448 ± 0.645 χ^2/NDF : 2155.3/28

Left Out: -3.895 ± 0.585 χ^2/NDF : 850.2/24

Right Out: 27.404 ± 0.566 χ^2/NDF : 4081.2/33

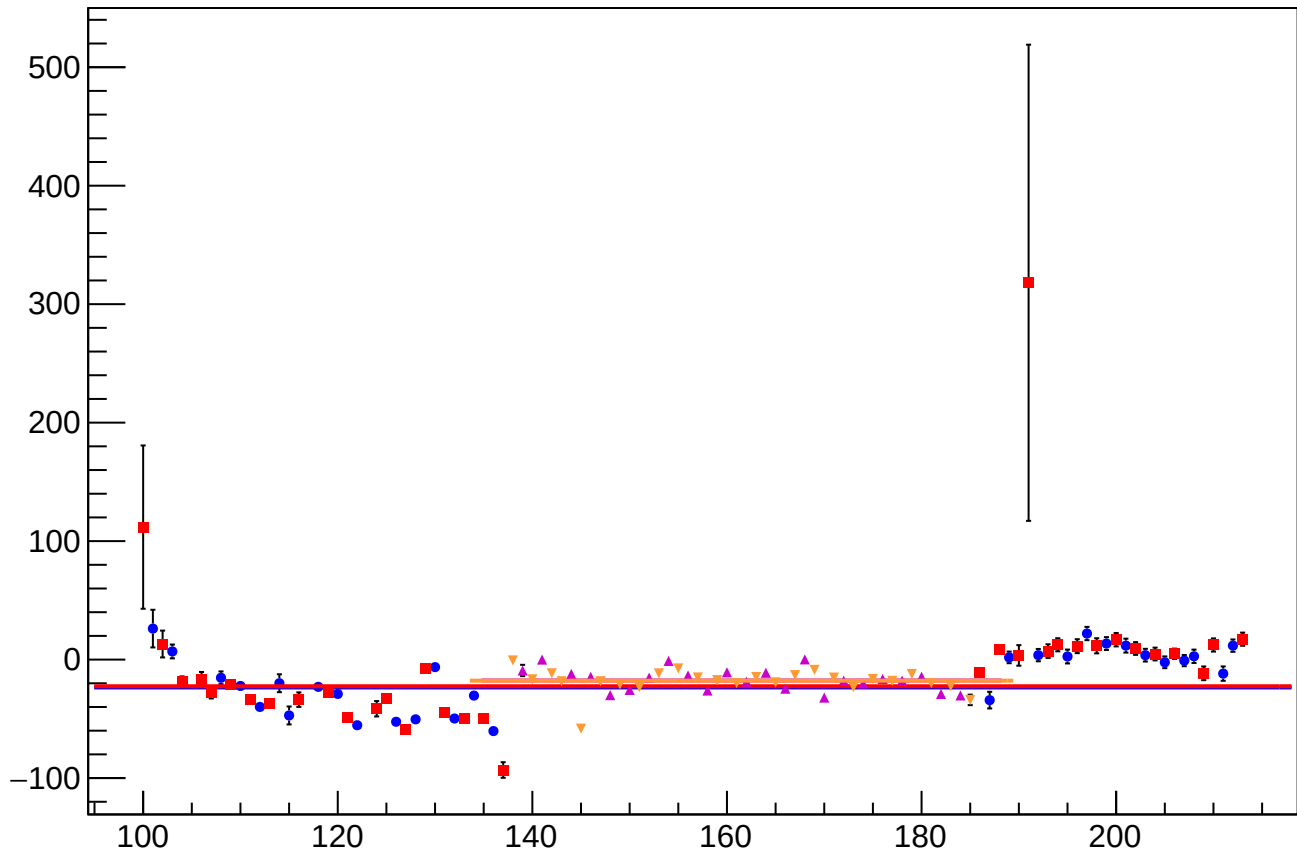
Left In: -5.124 ± 0.600 χ^2/NDF : 649.7/22

+ sign 10.251 ± 0.433 χ^2/NDF : 4300.8/53

All: 11.218 ± 0.298 χ^2/NDF : 10598.6/110

- sign 12.090 ± 0.411 χ^2/NDF : 6288.4/56

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -23.520 ± 0.828 χ^2/NDF : 842.2/28

Left Out: -17.776 ± 0.509 χ^2/NDF : 251.6/24

Right Out: -22.486 ± 0.787 χ^2/NDF : 995.2/33

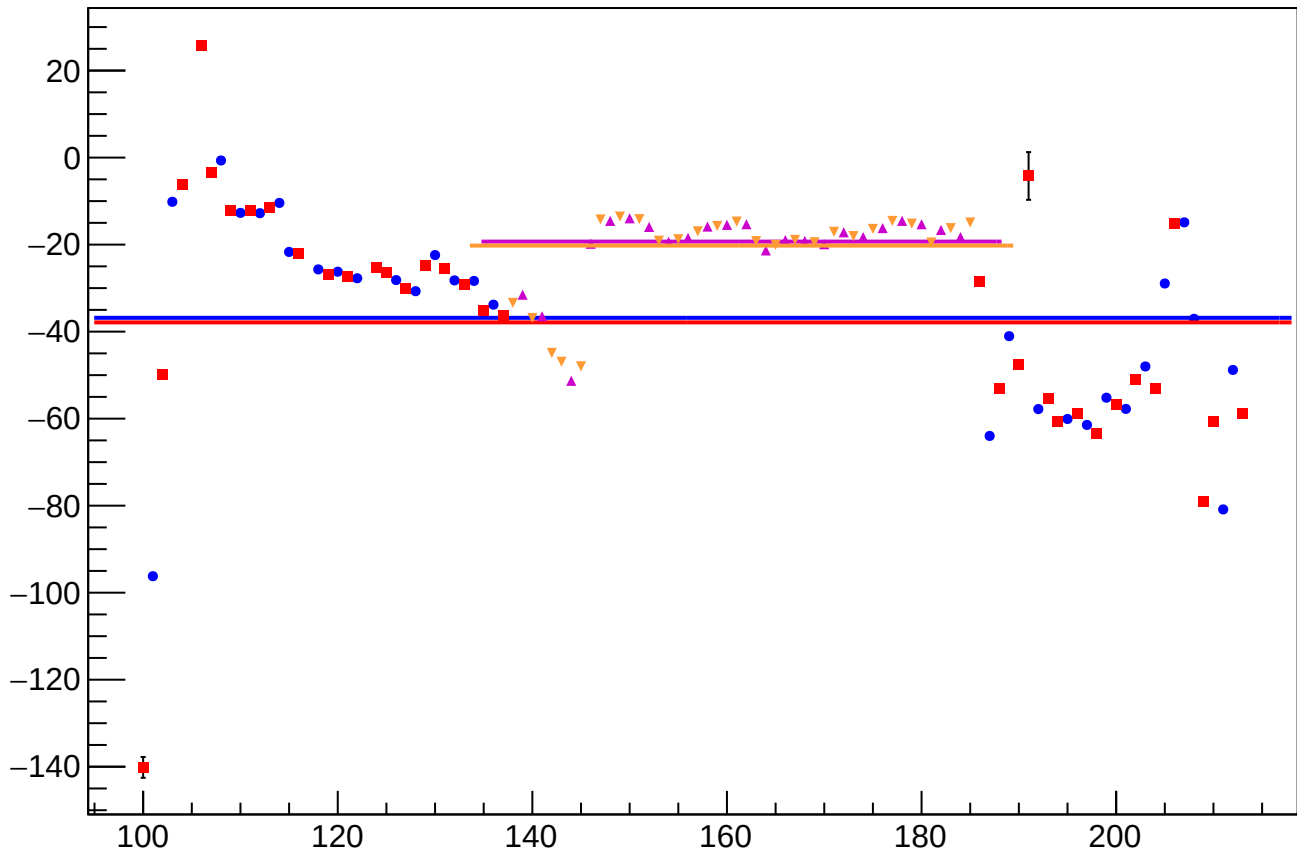
Left In: -17.643 ± 0.526 χ^2/NDF : 285.9/22

+ sign -19.350 ± 0.433 χ^2/NDF : 1128.7/53

All: -19.246 ± 0.308 χ^2/NDF : 2436.1/110

- sign -19.140 ± 0.437 χ^2/NDF : 1307.3/56

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.824 ± 0.040 $\chi^2/\text{NDF}: 240413.4/28$

Left Out: -20.227 ± 0.023 $\chi^2/\text{NDF}: 147352.7/24$

Right Out: -37.872 ± 0.039 $\chi^2/\text{NDF}: 331223.9/33$

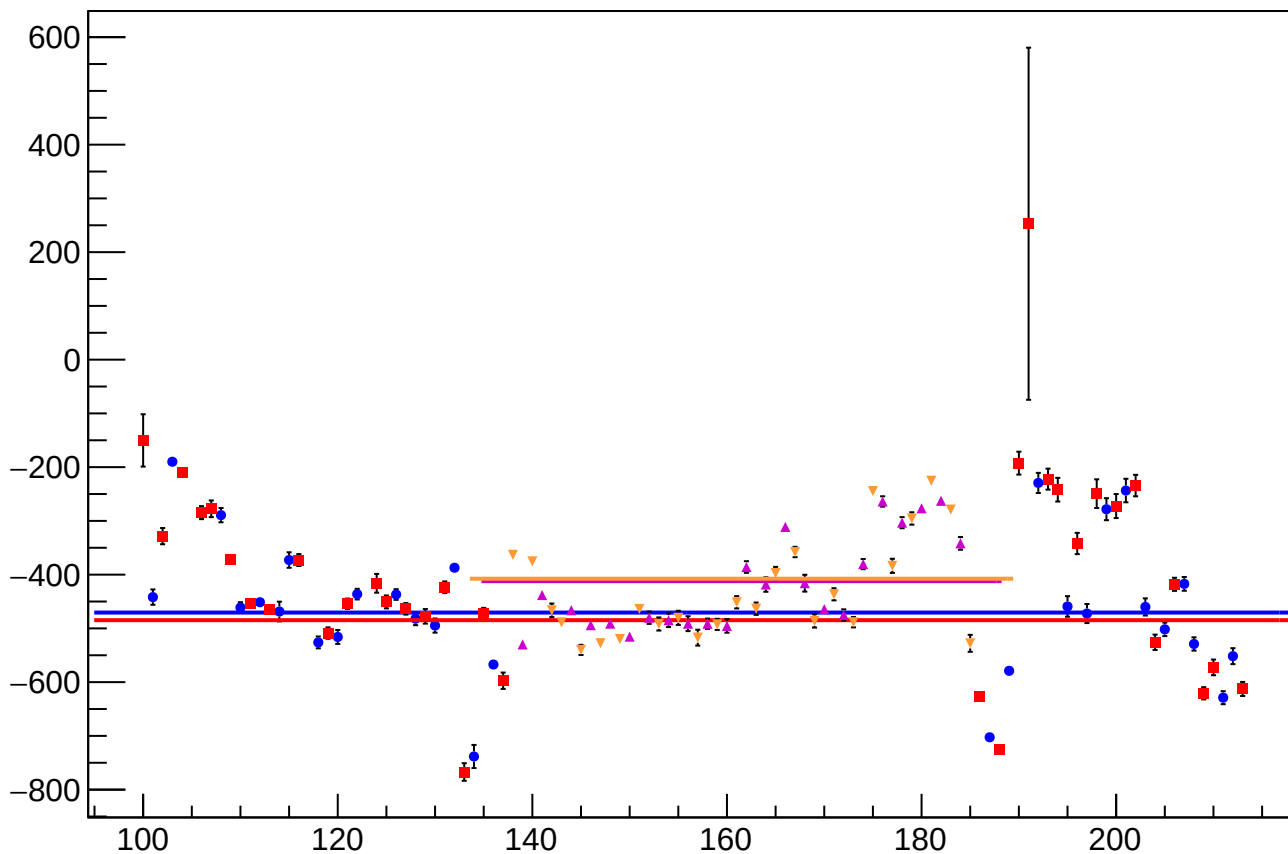
Left In: -19.310 ± 0.023 $\chi^2/\text{NDF}: 93090.9/22$

+ sign -24.318 ± 0.020 $\chi^2/\text{NDF}: 517745.4/53$

All: -24.239 ± 0.014 $\chi^2/\text{NDF}: 1108381.6/110$

- sign -24.159 ± 0.020 $\chi^2/\text{NDF}: 590604.2/56$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -470.531 ± 2.185 χ^2/NDF : 3068.6/28

Left Out: -407.554 ± 1.951 χ^2/NDF : 2872.6/24

Right Out: -484.716 ± 1.957 χ^2/NDF : 6406.7/33

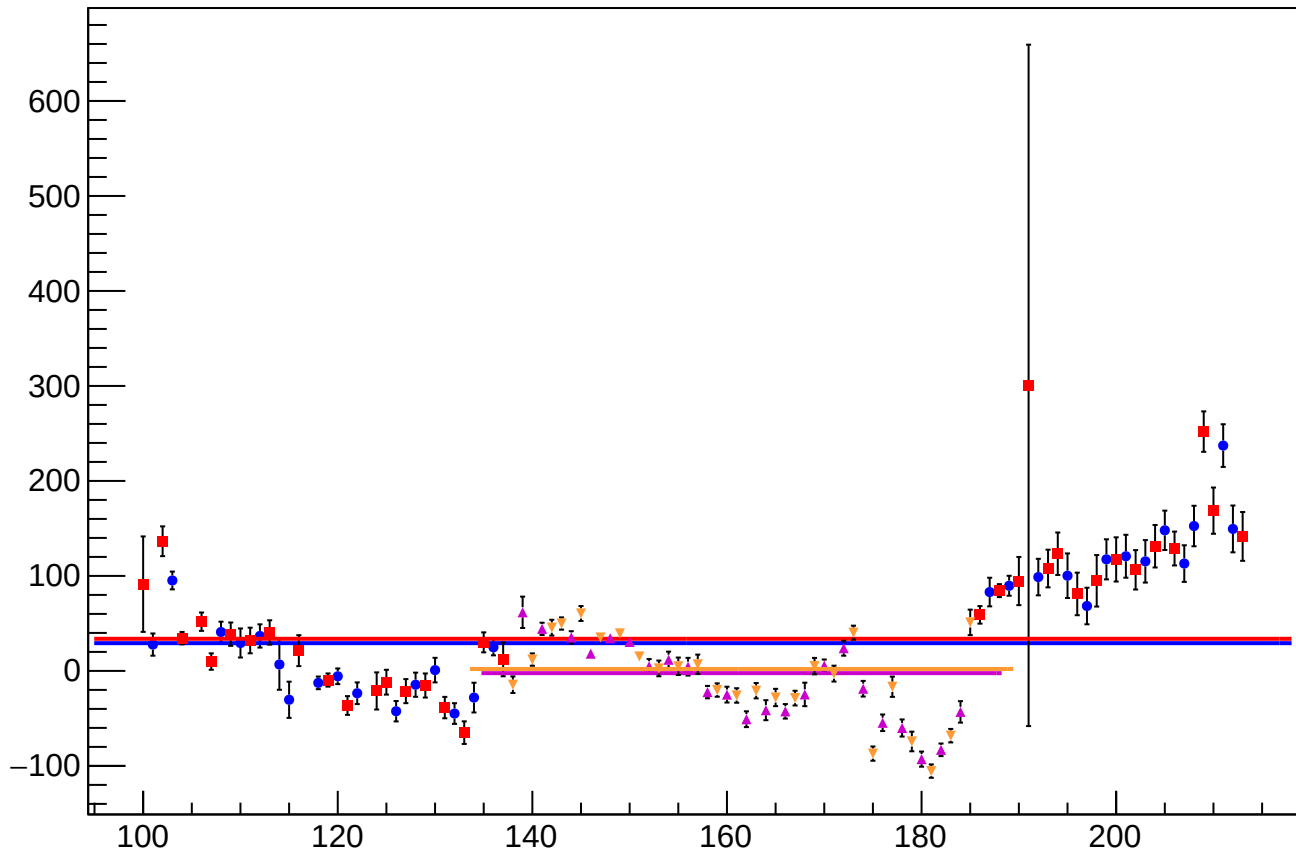
Left In: -412.102 ± 2.008 χ^2/NDF : 2182.3/22

+ sign -435.494 ± 1.455 χ^2/NDF : 6403.5/53

All: -442.684 ± 1.009 χ^2/NDF : 15710.2/110

- sign -449.352 ± 1.402 χ^2/NDF : 9259.7/56

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 29.206 $\pm$ 2.410 χ^2 /NDF: 577.3/28

Left Out: 2.035 $\pm$ 1.426 χ^2 /NDF: 910.7/24

Right Out: 33.820 $\pm$ 2.180 χ^2 /NDF: 646.8/33

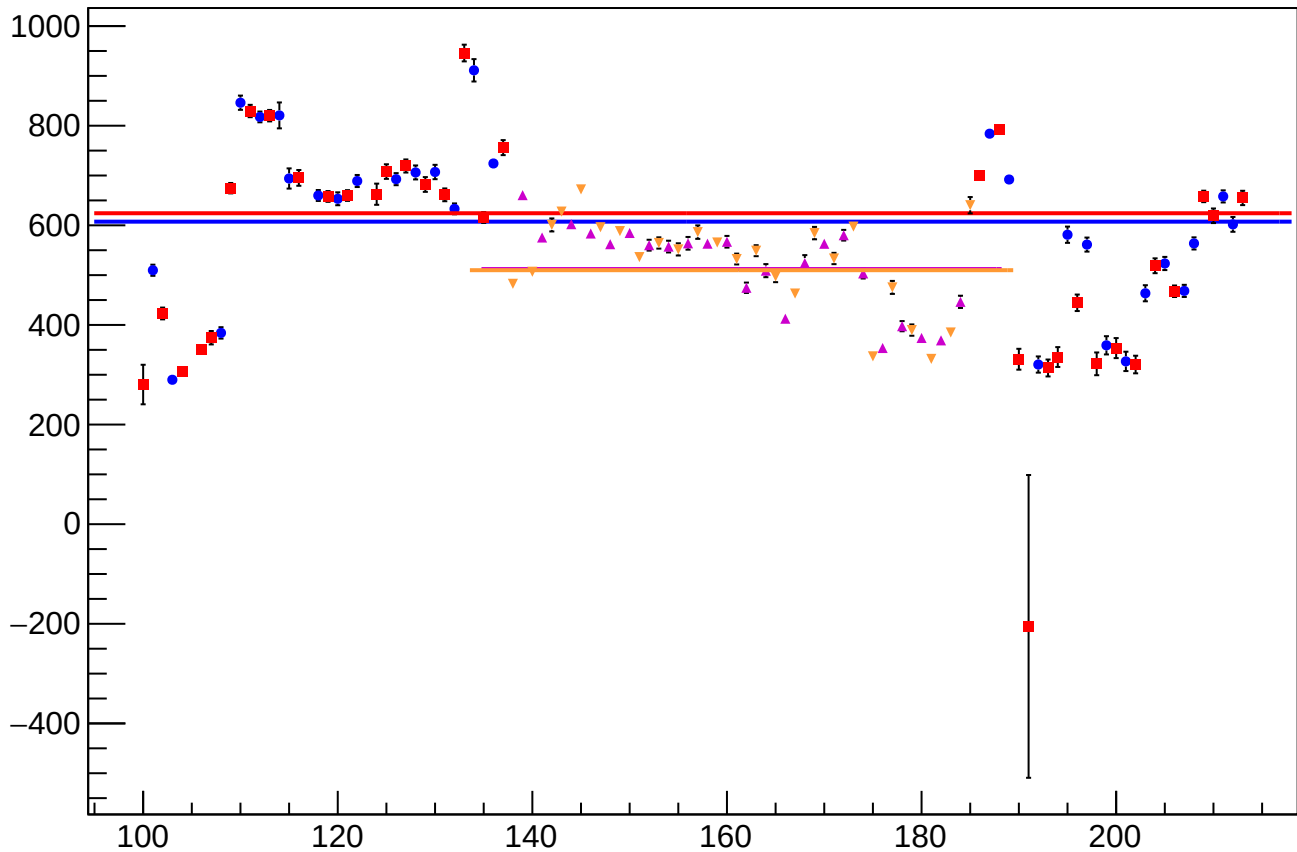
Left In: -2.365 $\pm$ 1.482 χ^2 /NDF: 733.4/22

+ sign 9.079 $\pm$ 1.227 χ^2 /NDF: 1582.2/53

All: 9.079 $\pm$ 0.867 χ^2 /NDF: 3150.7/110

- sign 9.079 $\pm$ 1.226 χ^2 /NDF: 1568.6/56

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 607.348 ± 2.204 χ^2/NDF : 5544.7/28

Left Out: 509.912 ± 1.936 χ^2/NDF : 2662.6/24

Right Out: 624.259 ± 1.918 χ^2/NDF : 8820.3/33

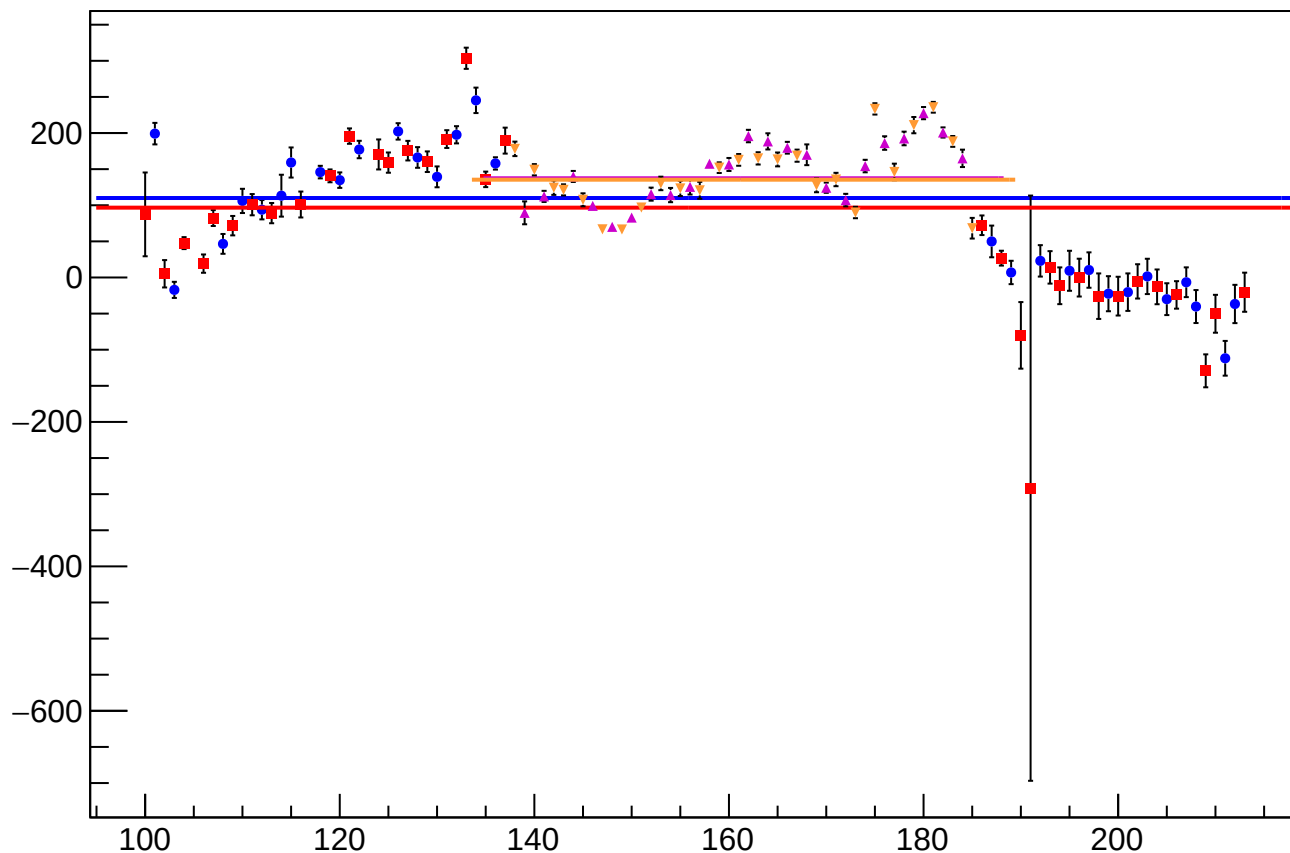
Left In: 512.270 ± 1.984 χ^2/NDF : 2087.6/22

+ sign 552.331 ± 1.454 χ^2/NDF : 9310.5/53

All: 561.724 ± 1.001 χ^2/NDF : 21945.0/110

- sign 570.165 ± 1.379 χ^2/NDF : 12555.4/56

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 110.040 $\pm$ 2.817 χ^2 /NDF: 877.8/28

Left Out: 135.407 $\pm$ 1.649 χ^2 /NDF: 923.2/24

Right Out: 96.691 $\pm$ 2.613 χ^2 /NDF: 971.1/33

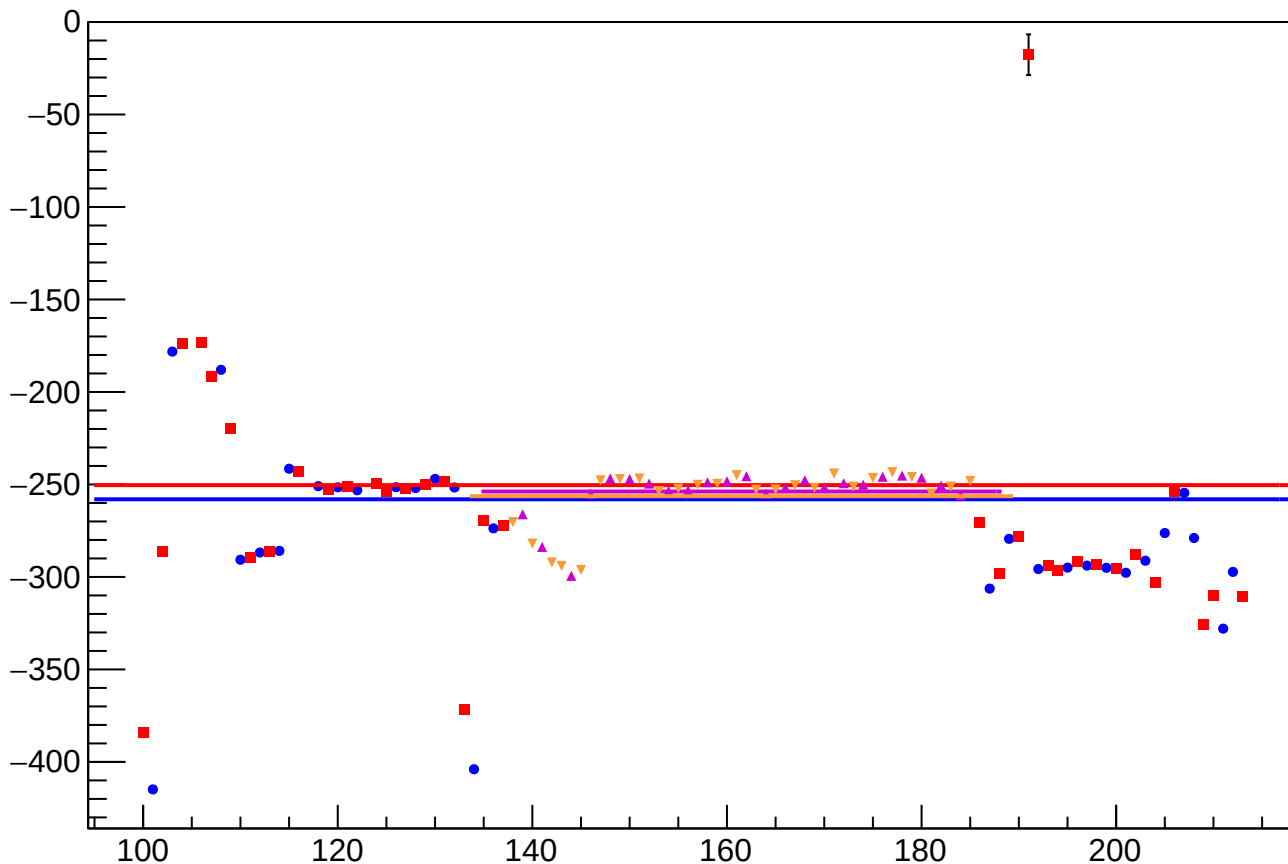
Left In: 137.374 $\pm$ 1.702 χ^2 /NDF: 706.0/22

+ sign 128.934 $\pm$ 1.423 χ^2 /NDF: 1861.3/53

All: 127.098 $\pm$ 1.007 χ^2 /NDF: 3711.9/110

- sign 125.254 $\pm$ 1.426 χ^2 /NDF: 1847.2/56

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -258.014 ± 0.134 $\chi^2/\text{NDF}: 203544.7/28$

Left Out: -256.344 ± 0.077 $\chi^2/\text{NDF}: 39513.4/24$

Right Out: -250.371 ± 0.129 $\chi^2/\text{NDF}: 158269.0/33$

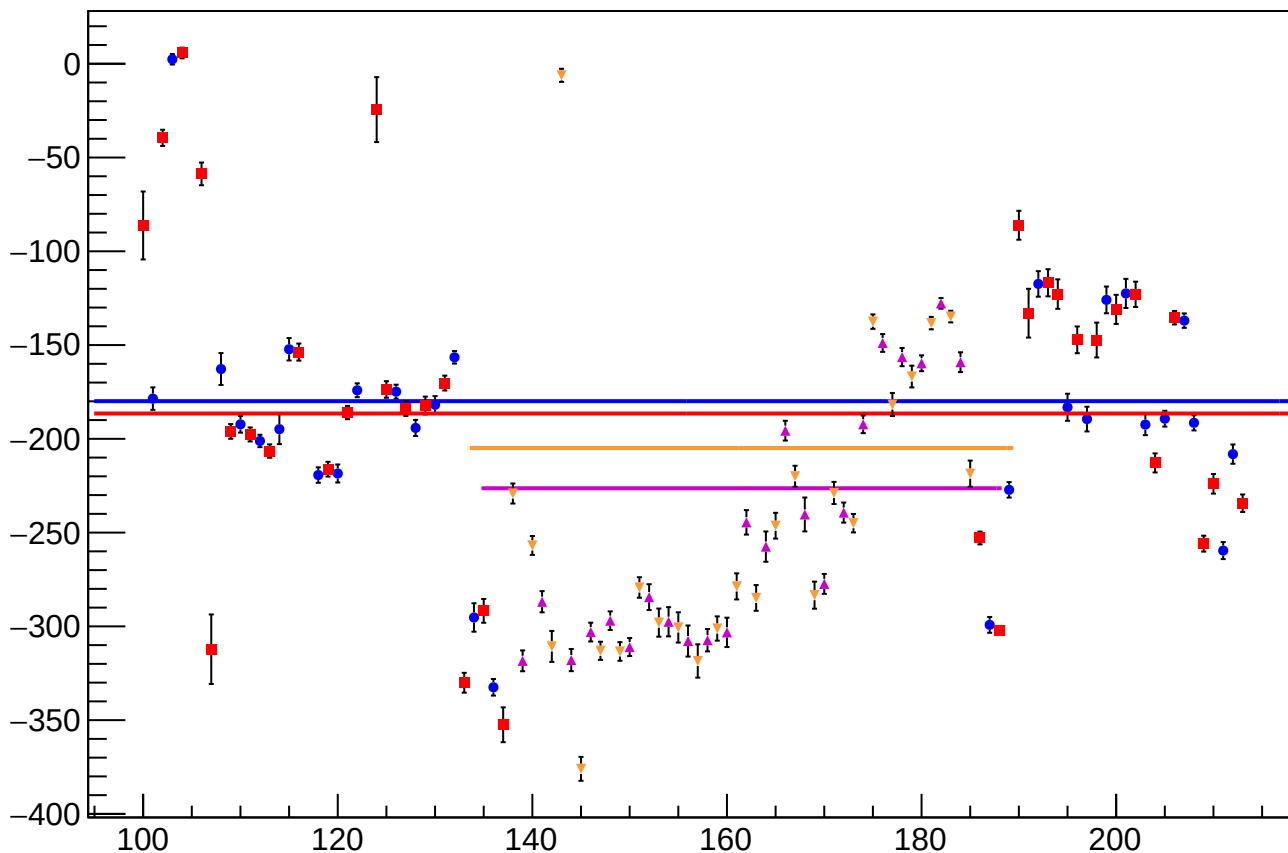
Left In: -253.817 ± 0.078 $\chi^2/\text{NDF}: 24076.7/22$

+ sign -256.757 ± 0.067 $\chi^2/\text{NDF}: 243174.5/53$

All: -254.821 ± 0.047 $\chi^2/\text{NDF}: 427721.8/110$

- sign -252.895 ± 0.067 $\chi^2/\text{NDF}: 182870.5/56$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -179.917 ± 0.851 $\chi^2/\text{NDF}: 7634.9/28$

Left Out: -204.891 ± 1.052 $\chi^2/\text{NDF}: 7826.3/24$

Right Out: -186.498 ± 0.795 $\chi^2/\text{NDF}: 12023.5/33$

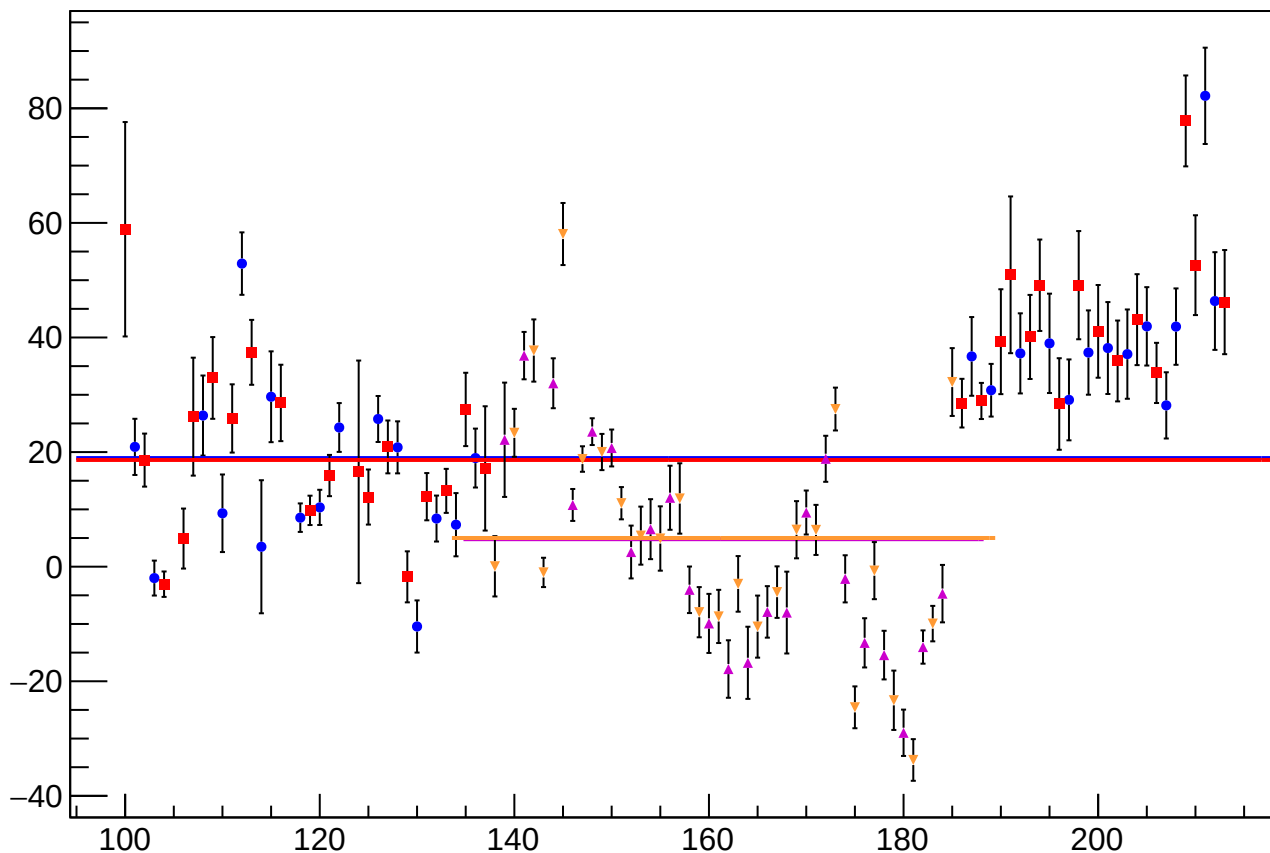
Left In: -226.365 ± 1.105 $\chi^2/\text{NDF}: 4219.0/22$

+ sign -189.791 ± 0.661 $\chi^2/\text{NDF}: 15801.9/53$

All: -195.071 ± 0.462 $\chi^2/\text{NDF}: 33026.6/110$

- sign -200.098 ± 0.645 $\chi^2/\text{NDF}: 17100.3/56$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 18.952 ± 0.938 χ^2/NDF : 313.5/28

Left Out: 5.006 ± 0.793 χ^2/NDF : 548.5/24

Right Out: 18.627 ± 0.878 χ^2/NDF : 341.6/33

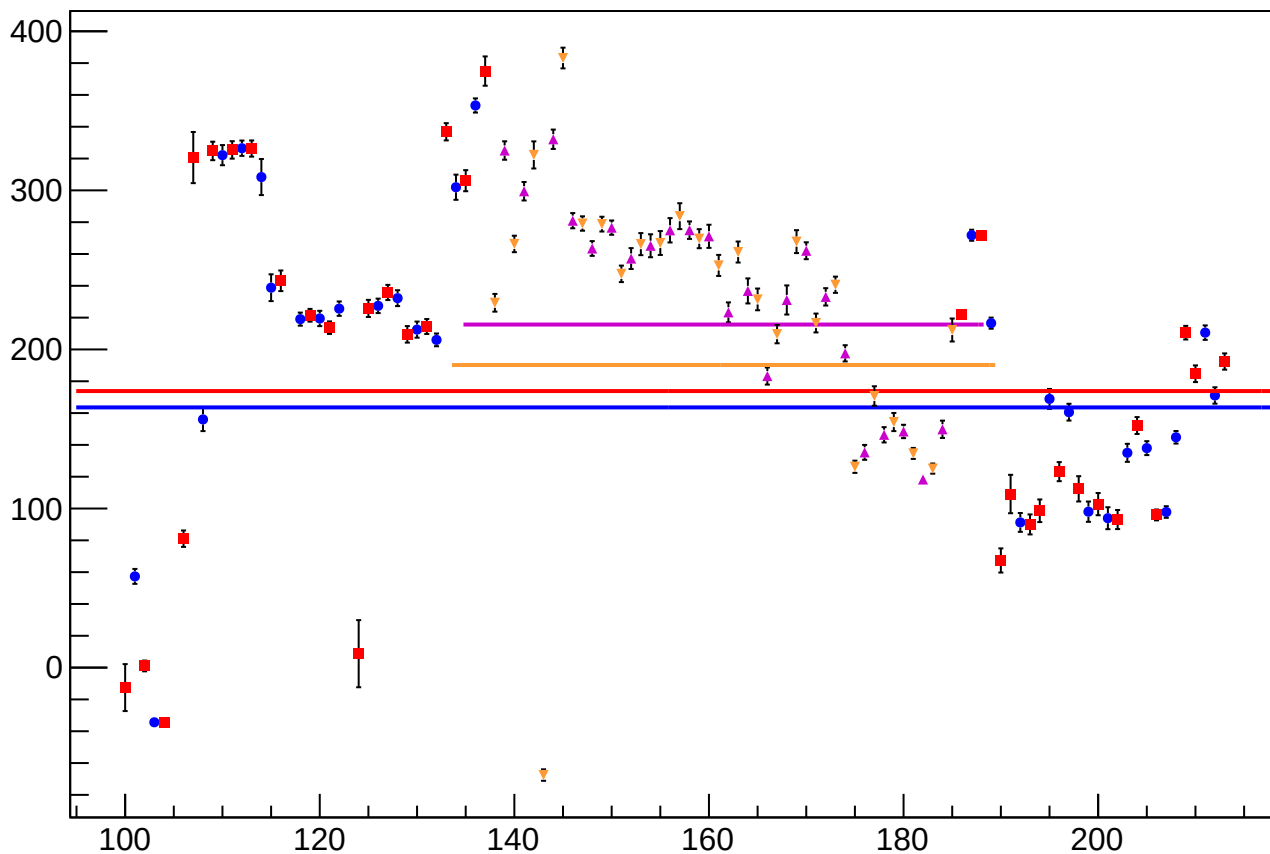
Left In: 4.799 ± 0.846 χ^2/NDF : 426.3/22

+ sign 10.824 ± 0.606 χ^2/NDF : 990.9/53

All: 11.138 ± 0.430 χ^2/NDF : 1887.8/110

- sign 11.456 ± 0.610 χ^2/NDF : 896.4/56

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 163.563 ± 0.851 χ^2/NDF : 16034.8/28

Left Out: 190.219 ± 1.050 χ^2/NDF : 9384.0/24

Right Out: 173.842 ± 0.776 χ^2/NDF : 21464.1/33

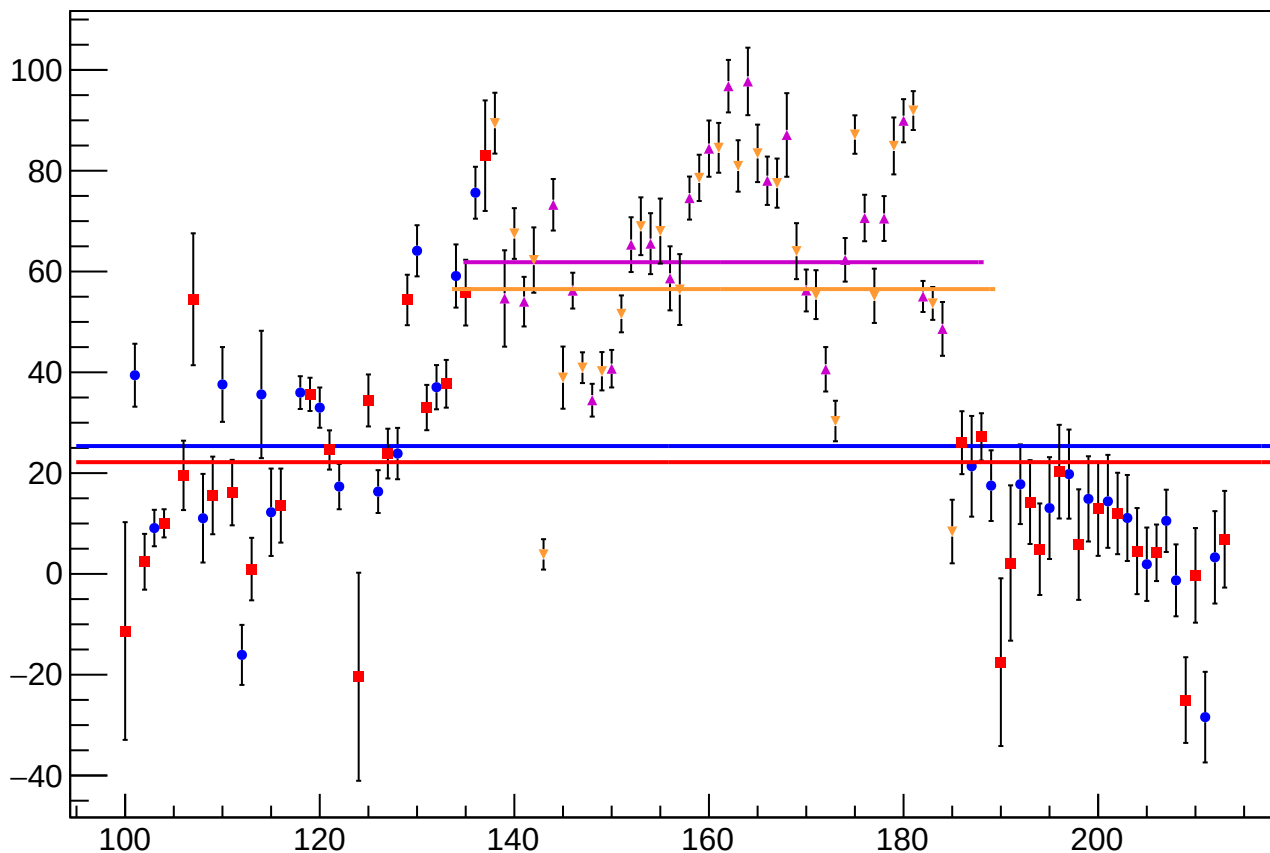
Left In: 215.649 ± 1.098 χ^2/NDF : 3886.0/22

+ sign 174.134 ± 0.661 χ^2/NDF : 25807.7/53

All: 181.235 ± 0.457 χ^2/NDF : 52345.9/110

- sign 187.754 ± 0.634 χ^2/NDF : 26317.0/56

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.369 $\pm$ 1.096 χ^2/NDF : 375.4/28

Left Out: 56.514 $\pm$ 0.909 χ^2/NDF : 798.9/24

Right Out: 22.174 $\pm$ 1.046 χ^2/NDF : 269.1/33

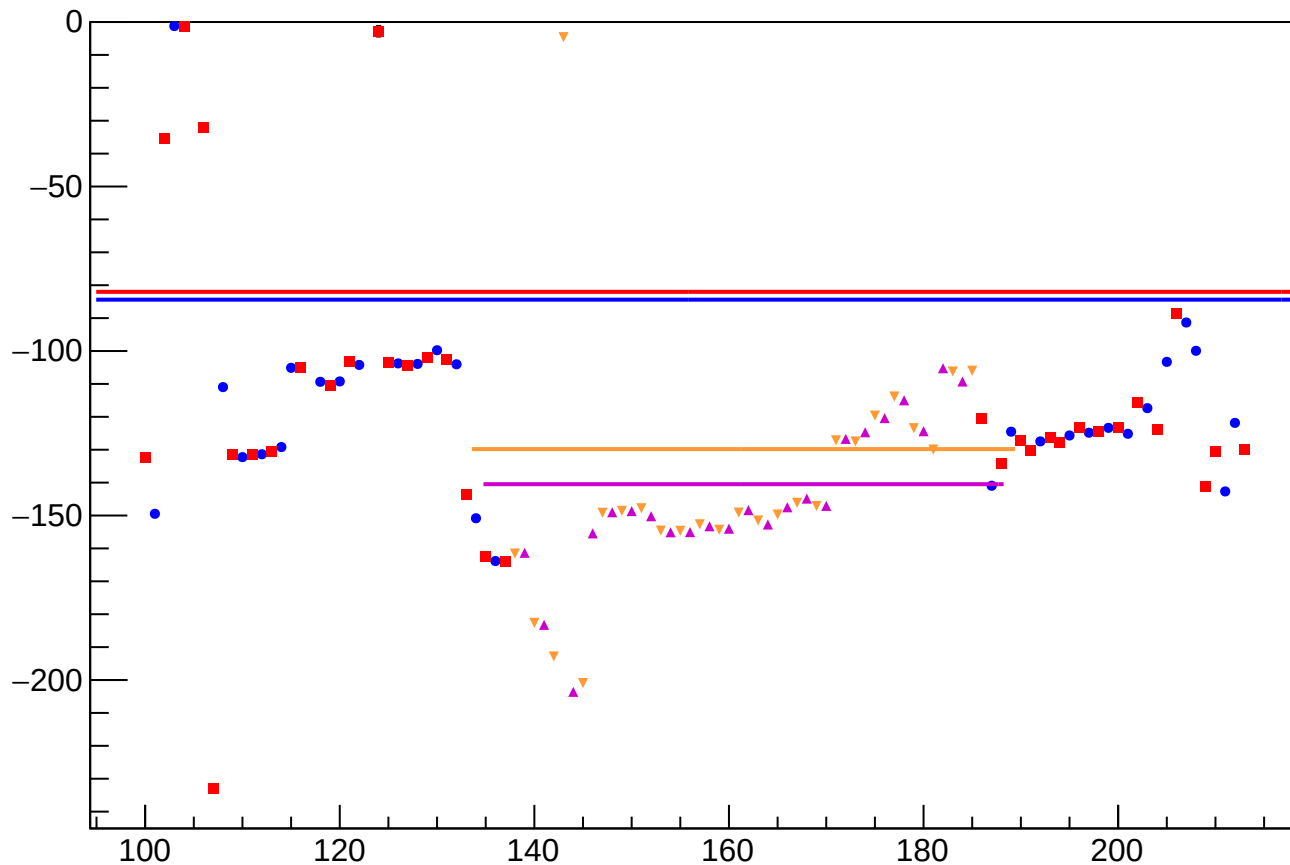
Left In: 61.850 $\pm$ 0.961 χ^2/NDF : 320.7/22

+ sign 43.819 $\pm$ 0.700 χ^2/NDF : 1652.7/53

All: 43.755 $\pm$ 0.498 χ^2/NDF : 3022.1/110

- sign 43.690 $\pm$ 0.708 χ^2/NDF : 1369.3/56

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -84.390 ± 0.051 $\chi^2/\text{NDF}: 1328799.5/28$

Left Out: -129.810 ± 0.042 $\chi^2/\text{NDF}: 1025155.0/24$

Right Out: -82.013 ± 0.049 $\chi^2/\text{NDF}: 1302962.4/33$

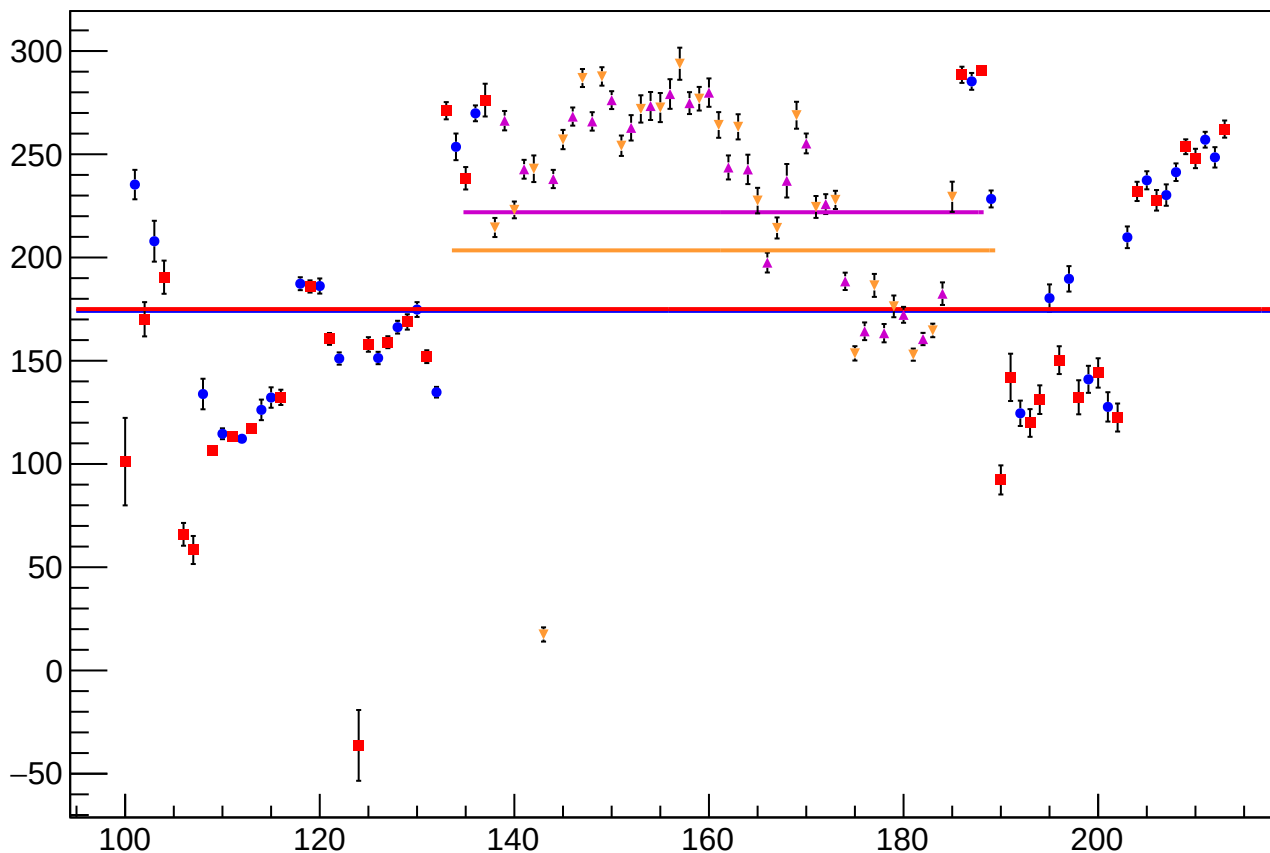
Left In: -140.477 ± 0.044 $\chi^2/\text{NDF}: 254660.0/22$

+ sign -111.177 ± 0.032 $\chi^2/\text{NDF}: 2829972.0/53$

All: -112.832 ± 0.023 $\chi^2/\text{NDF}: 5189147.3/111$

- sign -114.505 ± 0.033 $\chi^2/\text{NDF}: 2353923.9/56$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 174.149 ± 0.735 $\chi^2/\text{NDF}: 5189.0/28$

Left Out: 203.453 ± 0.953 $\chi^2/\text{NDF}: 5491.5/24$

Right Out: 175.020 ± 0.681 $\chi^2/\text{NDF}: 9711.8/33$

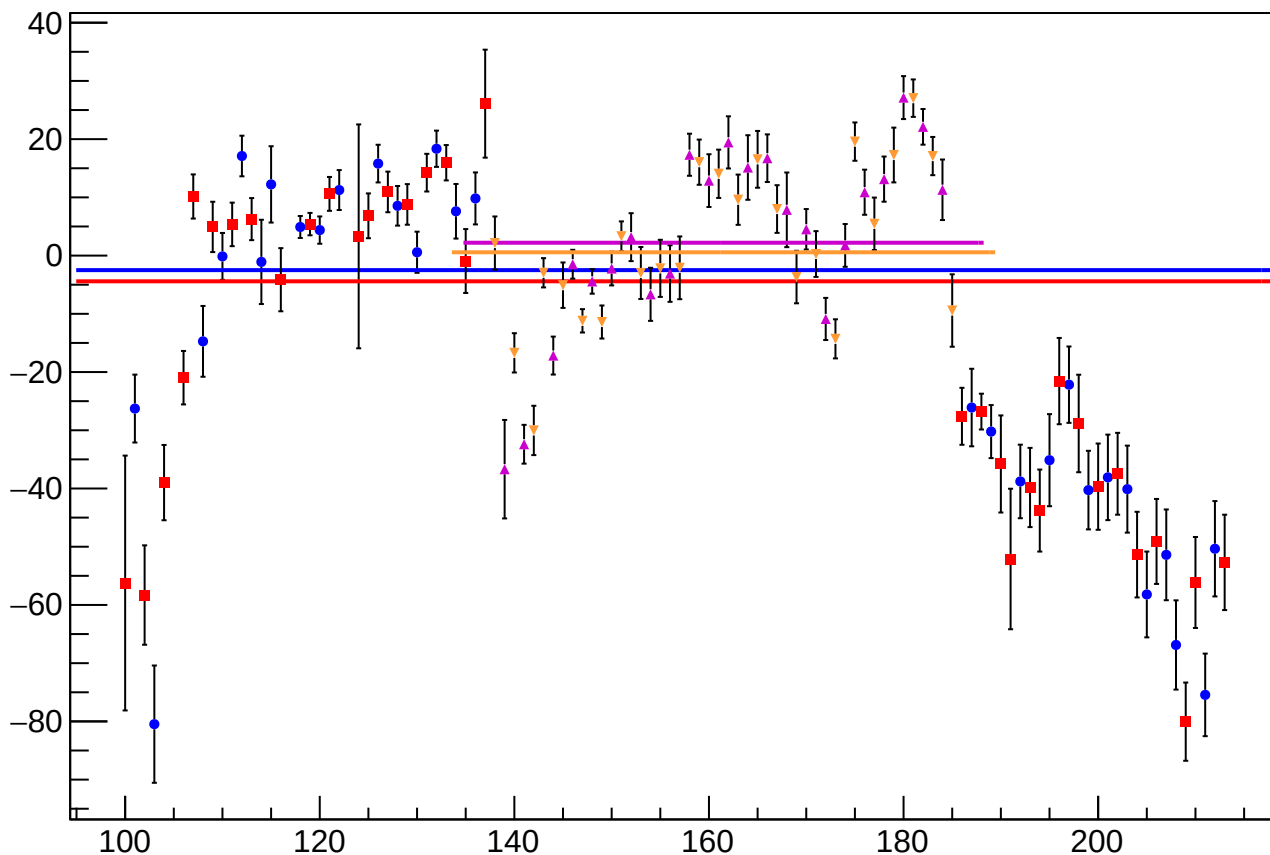
Left In: 221.923 ± 1.003 $\chi^2/\text{NDF}: 1986.7/22$

+ sign 185.075 ± 0.582 $\chi^2/\text{NDF}: 11273.5/53$

All: 187.523 ± 0.405 $\chi^2/\text{NDF}: 24503.4/110$

- sign 189.819 ± 0.563 $\chi^2/\text{NDF}: 13195.6/56$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -2.495 ± 0.805 χ^2/NDF : 754.1/28

Left Out: 0.568 ± 0.716 χ^2/NDF : 345.4/24

Right Out: -4.416 ± 0.782 χ^2/NDF : 812.4/33

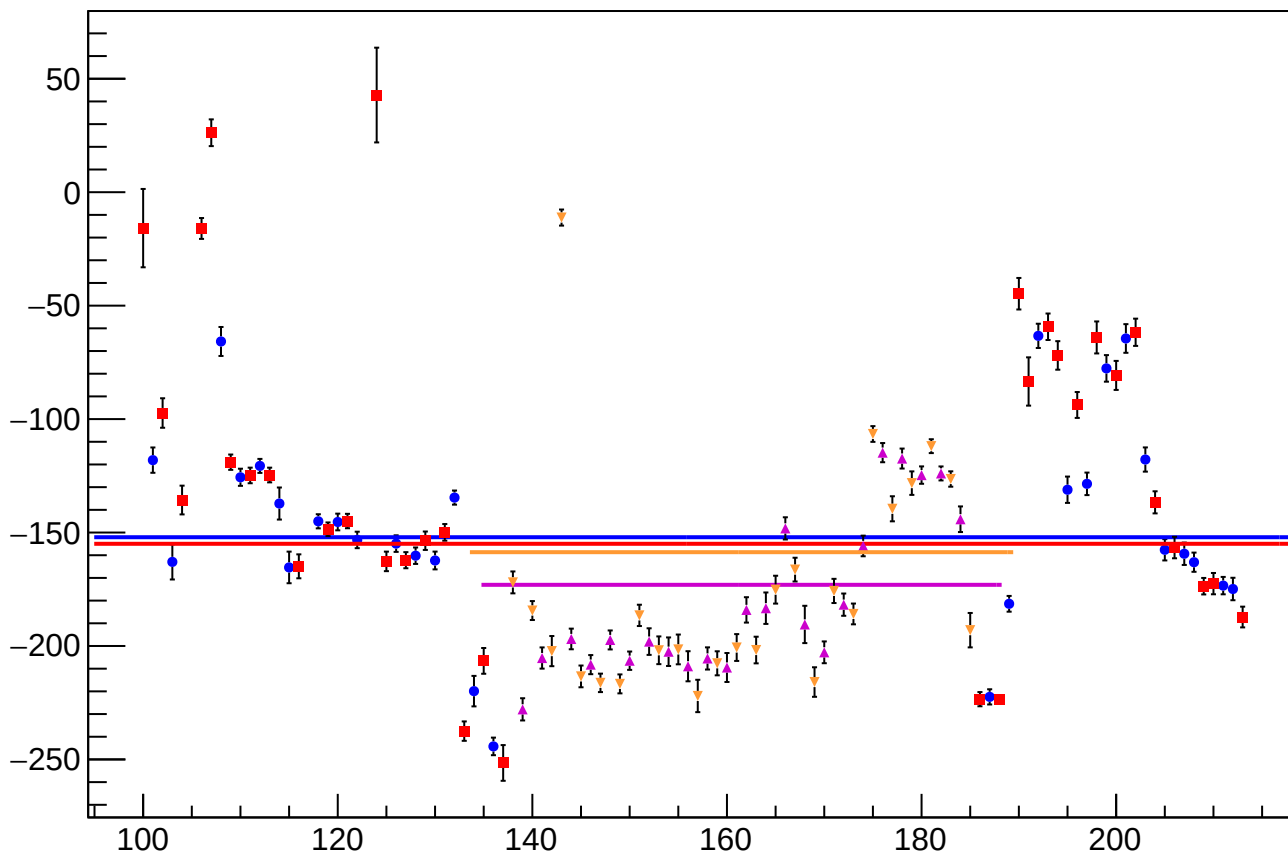
Left In: 2.210 ± 0.760 χ^2/NDF : 358.2/22

+ sign -0.784 ± 0.535 χ^2/NDF : 1107.6/53

All: -0.895 ± 0.382 χ^2/NDF : 2315.1/110

- sign -1.010 ± 0.545 χ^2/NDF : 1207.5/56

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -152.065 ± 0.798 χ^2/NDF : 2384.7/28

Left Out: -158.658 ± 0.951 χ^2/NDF : 3491.8/24

Right Out: -154.961 ± 0.729 χ^2/NDF : 6513.2/33

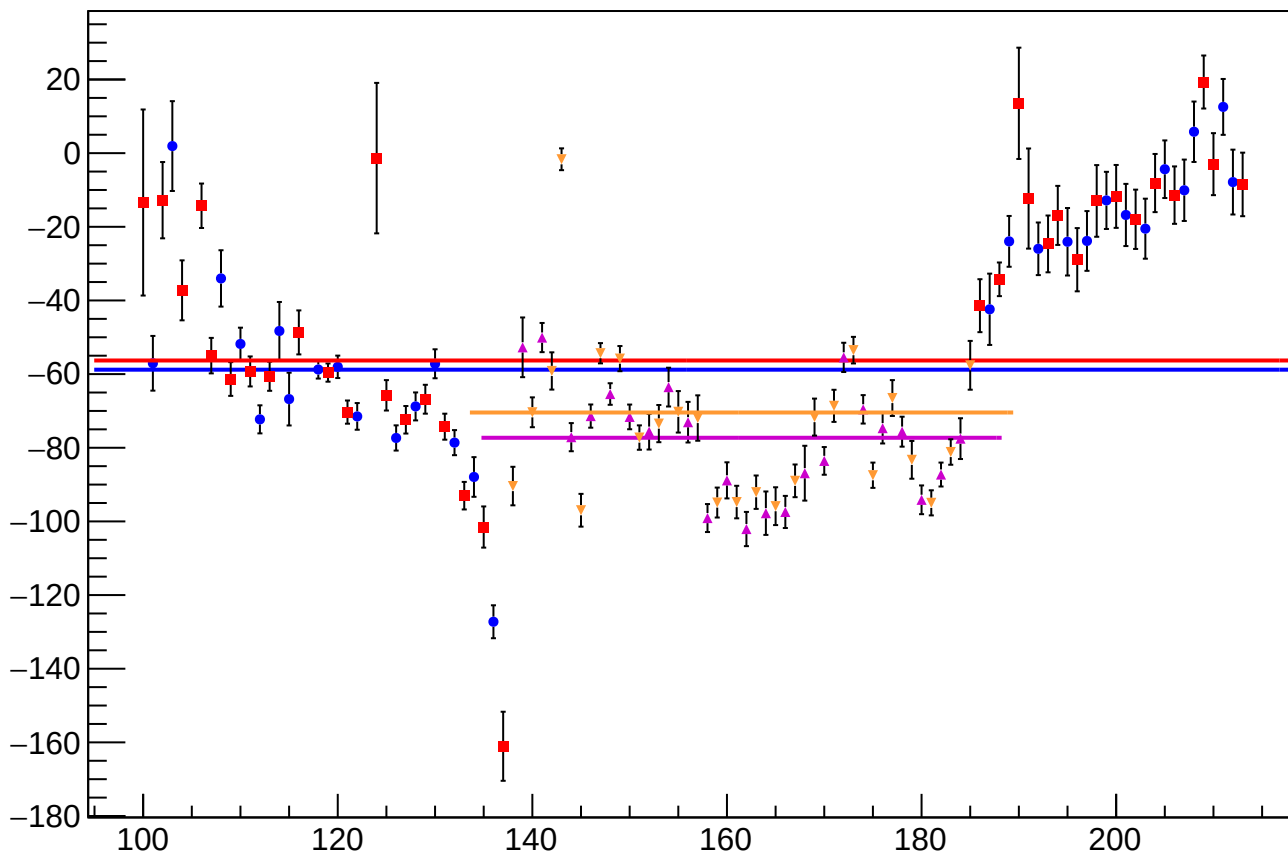
Left In: -173.043 ± 0.996 χ^2/NDF : 1399.9/22

+ sign -154.792 ± 0.611 χ^2/NDF : 5904.6/53

All: -158.158 ± 0.424 χ^2/NDF : 14090.9/110

- sign -161.274 ± 0.588 χ^2/NDF : 8127.8/56

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -58.800 ± 0.938 χ^2/NDF : 830.4/28

Left Out: -70.427 ± 0.821 χ^2/NDF : 901.6/24

Right Out: -56.300 ± 0.914 χ^2/NDF : 883.3/33

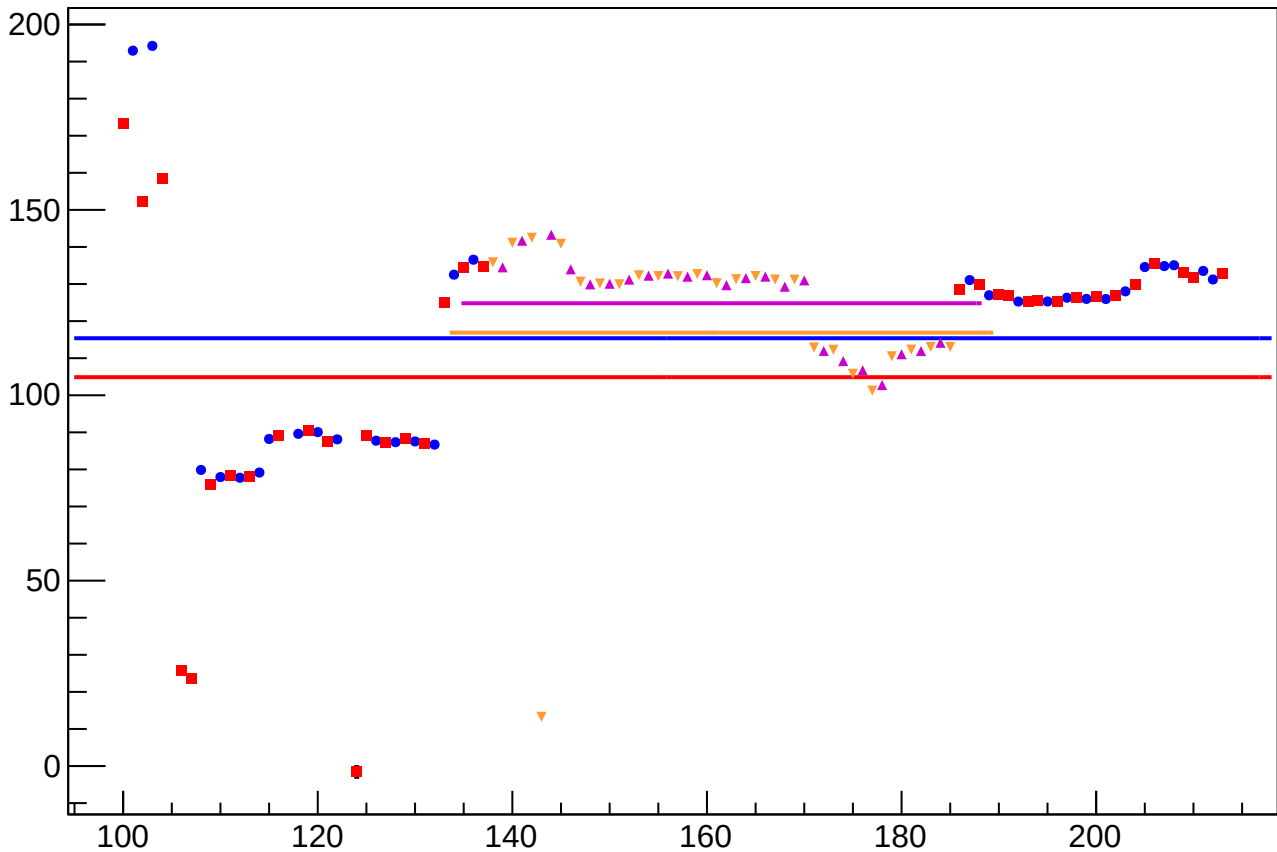
Left In: -77.288 ± 0.866 χ^2/NDF : 254.3/22

+ sign -65.381 ± 0.618 χ^2/NDF : 1819.0/53

All: -66.357 ± 0.441 χ^2/NDF : 3239.5/110

- sign -67.368 ± 0.629 χ^2/NDF : 1415.4/56

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 115.381 $\pm$ 0.054 χ^2 /NDF: 285716.6/28

Left Out: 116.881 $\pm$ 0.038 χ^2 /NDF: 623110.0/24

Right Out: 104.876 $\pm$ 0.050 χ^2 /NDF: 537695.7/33

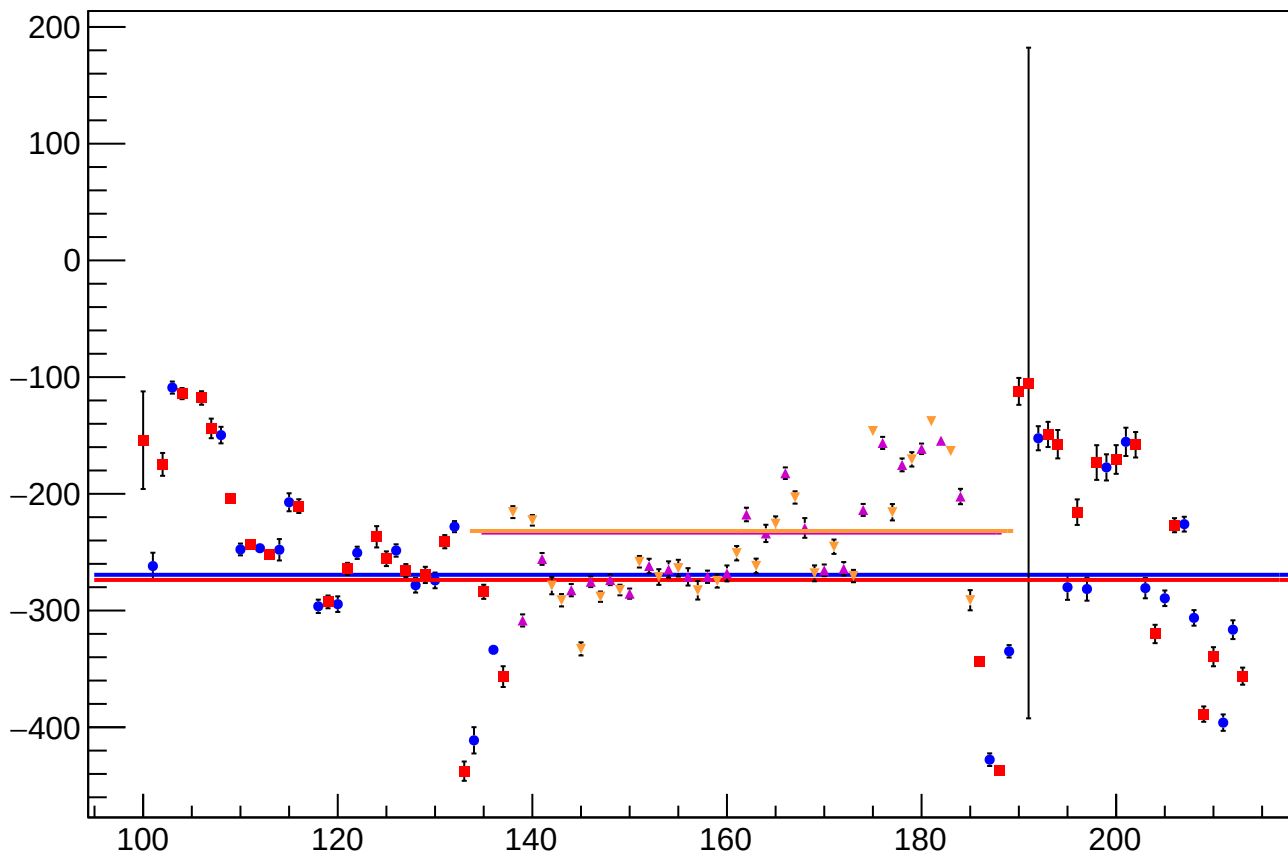
Left In: 124.819 $\pm$ 0.039 χ^2 /NDF: 88116.2/22

+ sign 116.377 $\pm$ 0.031 χ^2 /NDF: 909347.6/53

All: 116.766 $\pm$ 0.022 χ^2 /NDF: 1634349.8/110

- sign 117.150 $\pm$ 0.031 χ^2 /NDF: 724690.2/56

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -269.384 ± 1.183 χ^2/NDF : 3645.3/28

Left Out: -231.847 ± 1.080 χ^2/NDF : 2676.6/24

Right Out: -273.776 ± 1.057 χ^2/NDF : 8037.2/33

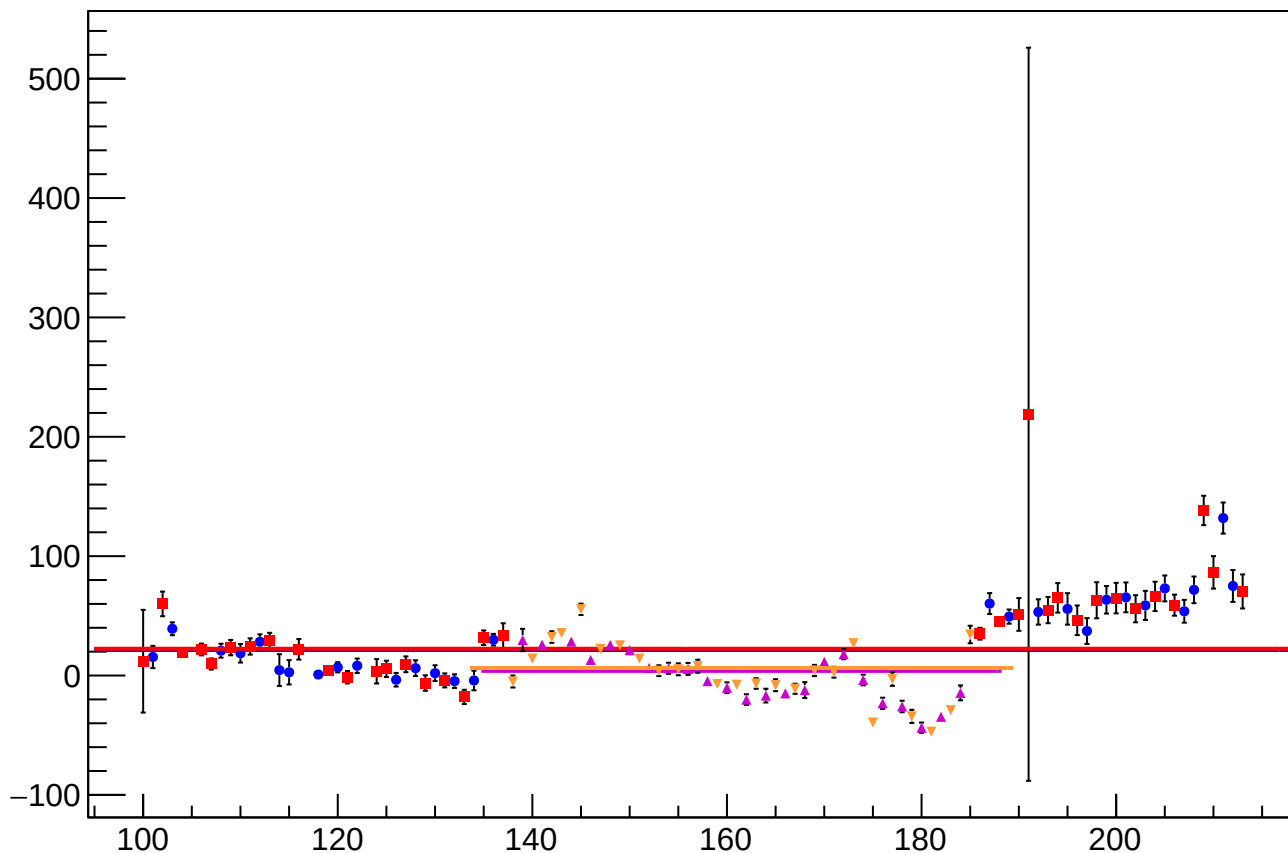
Left In: -233.258 ± 1.108 χ^2/NDF : 2067.0/22

+ sign -248.909 ± 0.798 χ^2/NDF : 6870.8/53

All: -251.801 ± 0.552 χ^2/NDF : 17700.4/110

- sign -254.459 ± 0.765 χ^2/NDF : 10804.4/56

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 21.460 ± 1.306 $\chi^2/\text{NDF}: 373.1/28$

Left Out: 6.288 ± 0.789 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 22.439 ± 1.179 $\chi^2/\text{NDF}: 419.2/33$

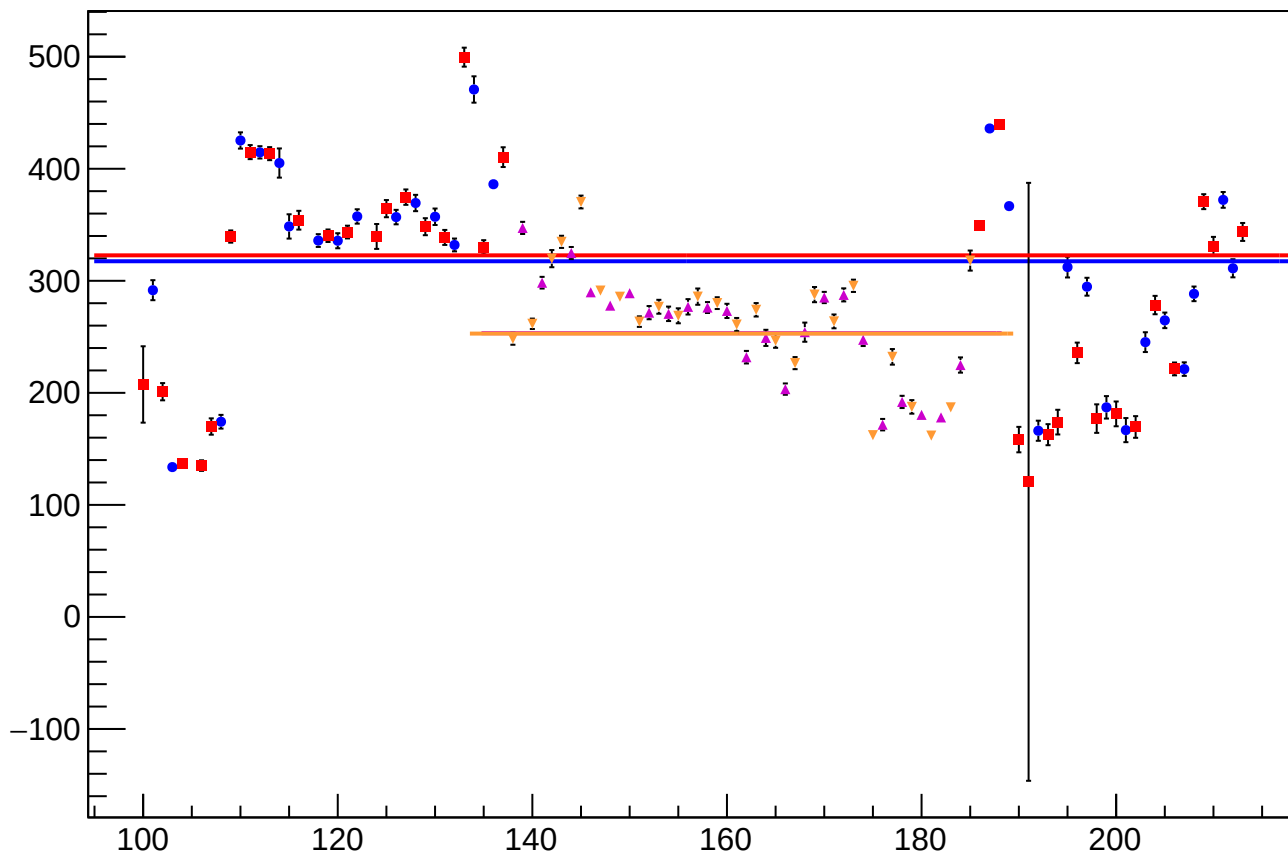
Left In: 3.906 ± 0.818 $\chi^2/\text{NDF}: 650.3/22$

+ sign 10.346 ± 0.675 $\chi^2/\text{NDF}: 1343.4/53$

All: 10.137 ± 0.476 $\chi^2/\text{NDF}: 2579.9/110$

- sign 9.930 ± 0.672 $\chi^2/\text{NDF}: 1236.3/56$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 317.448 ± 1.215 $\chi^2/\text{NDF}: 5745.3/28$

Left Out: 252.886 ± 1.070 $\chi^2/\text{NDF}: 2579.0/24$

Right Out: 322.722 ± 1.054 $\chi^2/\text{NDF}: 10153.5/33$

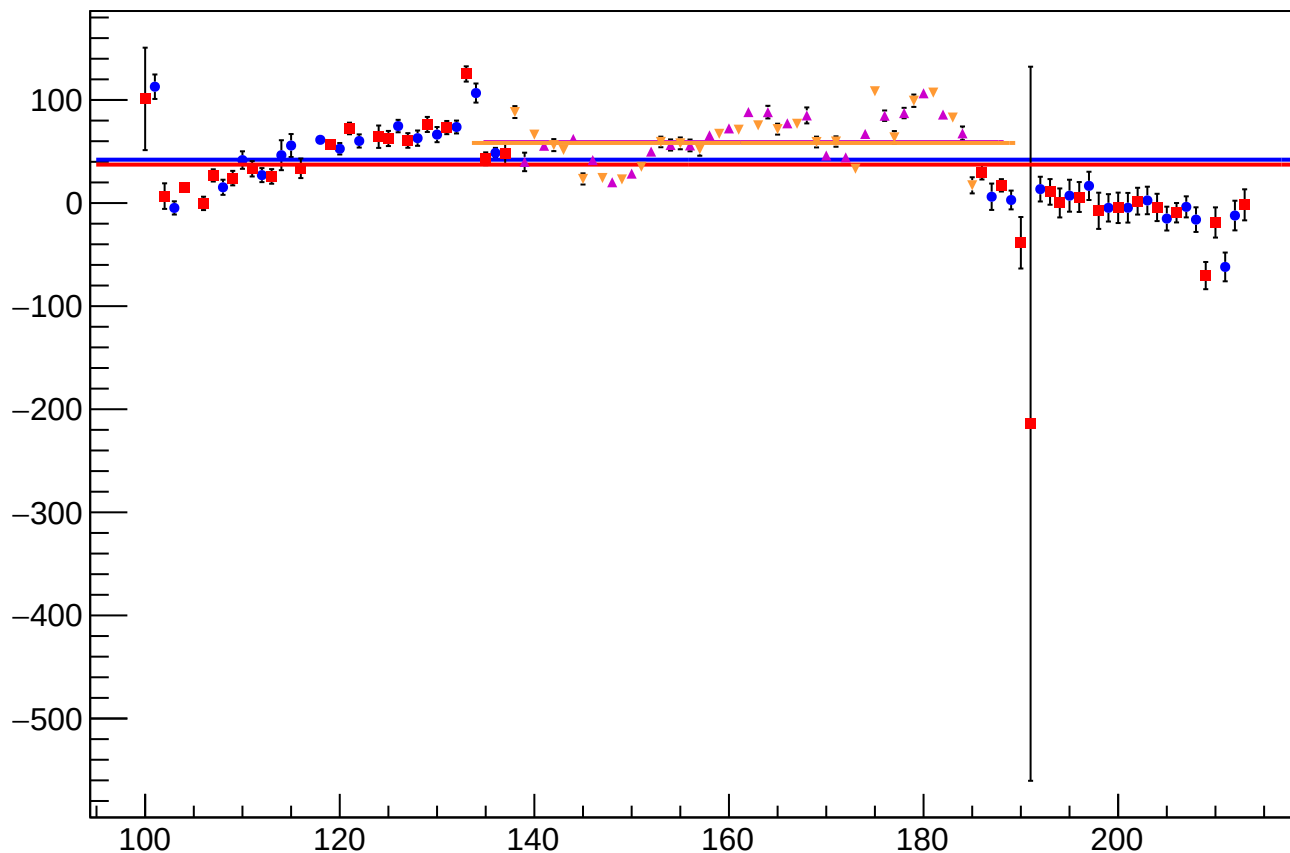
Left In: 253.248 ± 1.093 $\chi^2/\text{NDF}: 2059.7/22$

+ sign 281.091 ± 0.803 $\chi^2/\text{NDF}: 9913.5/53$

All: 285.411 ± 0.552 $\chi^2/\text{NDF}: 24274.4/110$

- sign 289.265 ± 0.759 $\chi^2/\text{NDF}: 14306.2/56$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 42.085 $\pm$ 1.523 χ^2 /NDF: 472.6/28

Left Out: 58.306 $\pm$ 0.911 χ^2 /NDF: 850.2/24

Right Out: 37.301 $\pm$ 1.409 χ^2 /NDF: 542.7/33

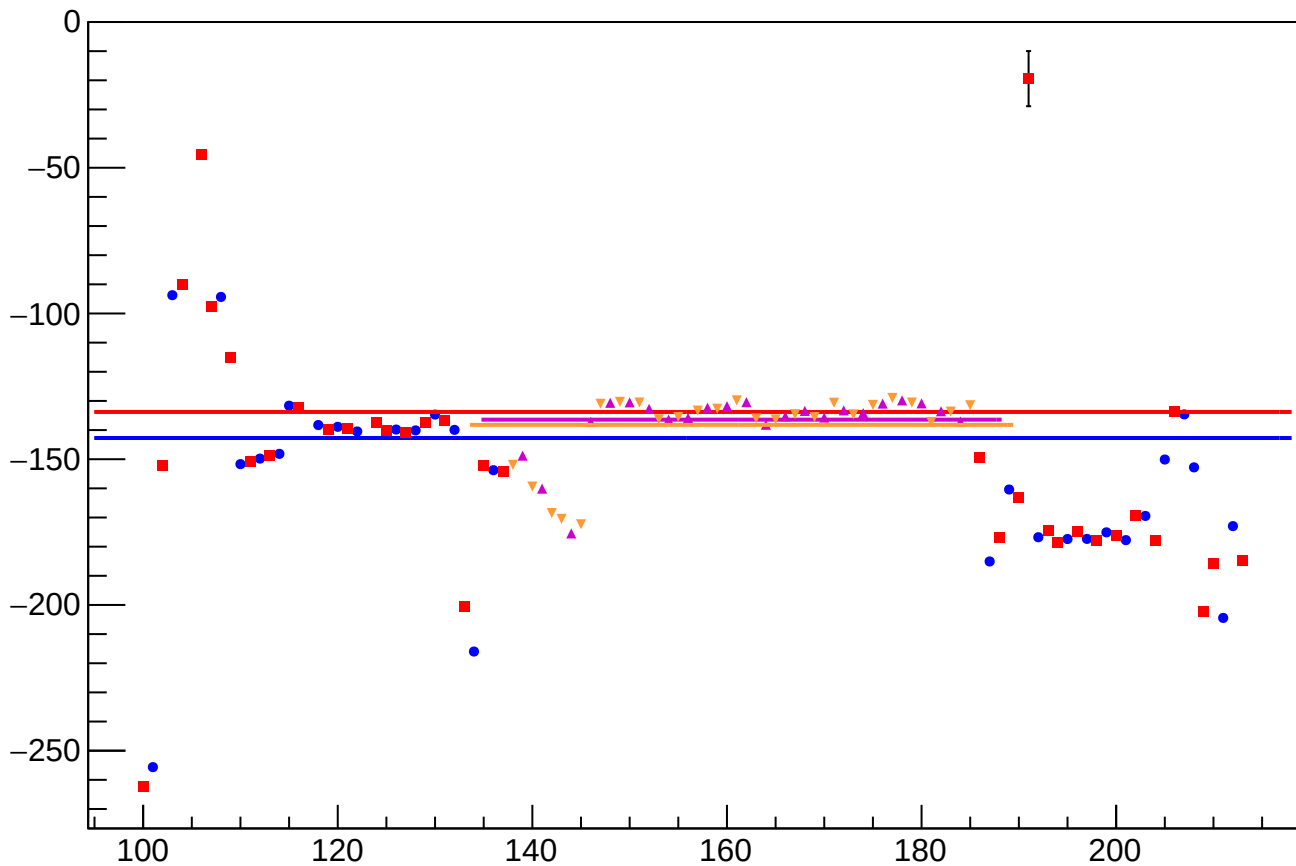
Left In: 59.151 $\pm$ 0.938 χ^2 /NDF: 632.4/22

+ sign 54.027 $\pm$ 0.782 χ^2 /NDF: 1406.4/53

All: 53.230 $\pm$ 0.553 χ^2 /NDF: 2750.2/110

- sign 52.435 $\pm$ 0.781 χ^2 /NDF: 1341.8/56

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -142.717 ± 0.074 $\chi^2/\text{NDF}: 246789.1/28$

Left Out: -138.218 ± 0.042 $\chi^2/\text{NDF}: 81828.6/24$

Right Out: -133.783 ± 0.070 $\chi^2/\text{NDF}: 356566.0/33$

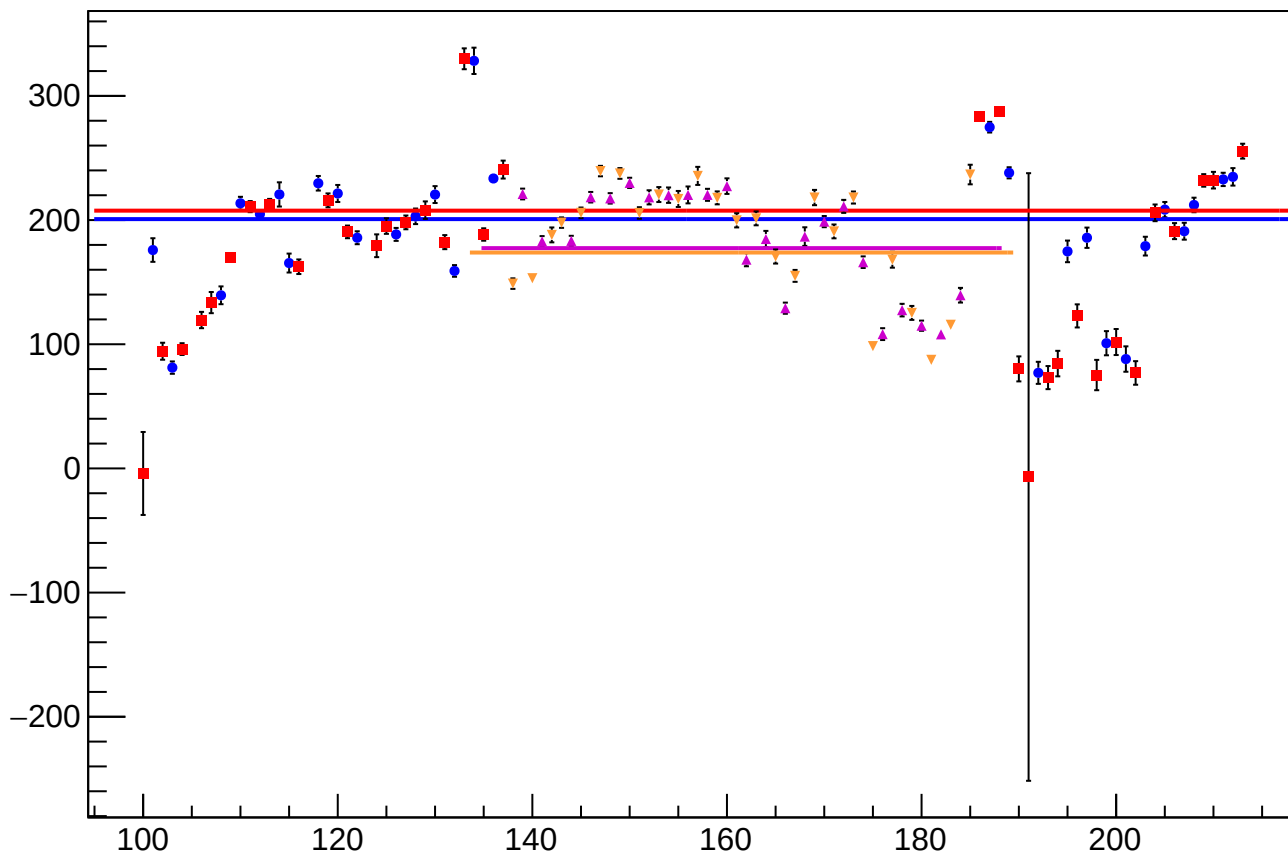
Left In: -136.429 ± 0.043 $\chi^2/\text{NDF}: 49792.9/22$

+ sign -139.324 ± 0.037 $\chi^2/\text{NDF}: 331374.3/53$

All: -137.502 ± 0.026 $\chi^2/\text{NDF}: 743599.1/110$

- sign -135.712 ± 0.037 $\chi^2/\text{NDF}: 407392.5/56$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 200.776 ± 1.104 $\chi^2/\text{NDF}: 1932.2/28$

Left Out: 173.862 ± 0.962 $\chi^2/\text{NDF}: 2627.6/24$

Right Out: 207.591 ± 0.981 $\chi^2/\text{NDF}: 4307.1/33$

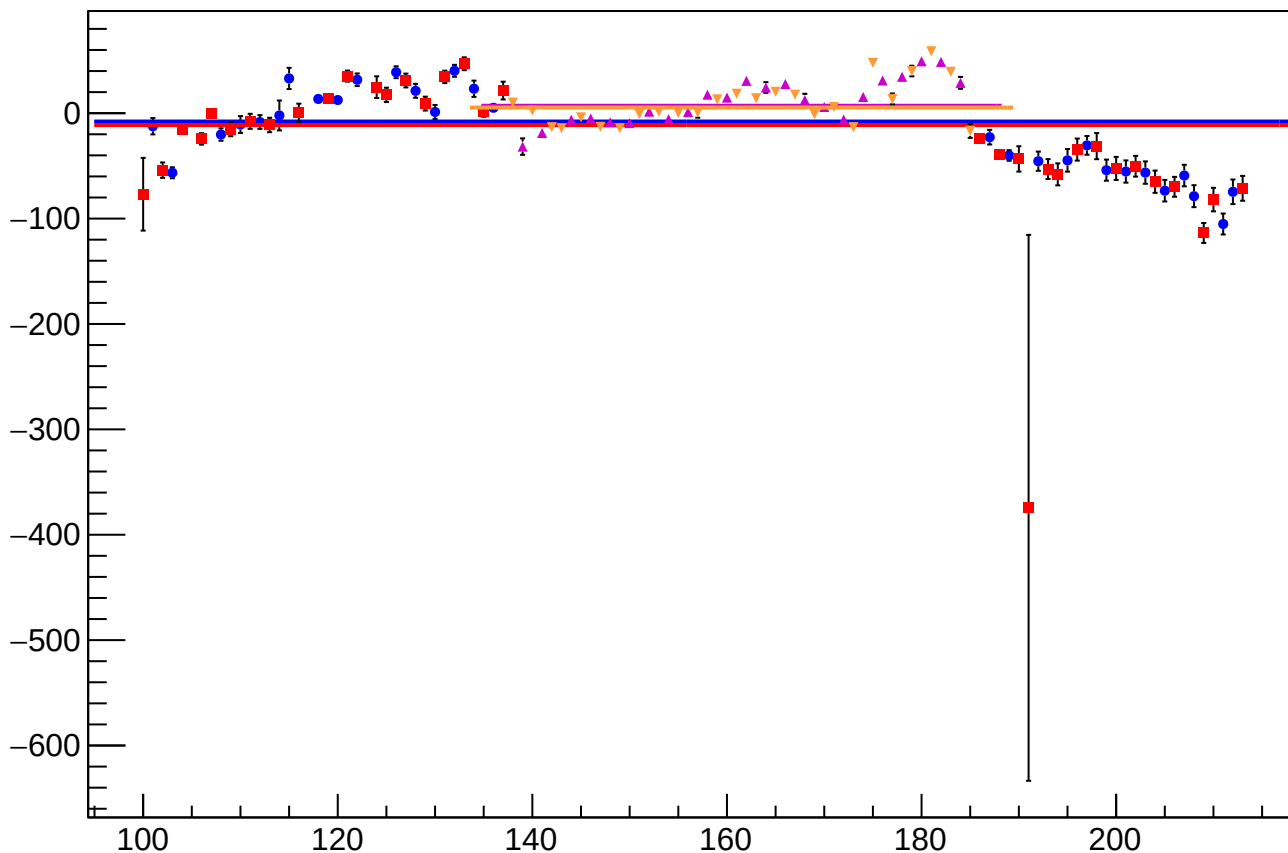
Left In: 177.403 ± 0.996 $\chi^2/\text{NDF}: 1963.0/22$

+ sign 185.475 ± 0.725 $\chi^2/\text{NDF}: 4897.5/53$

All: 189.232 ± 0.503 $\chi^2/\text{NDF}: 11685.7/110$

- sign 192.718 ± 0.699 $\chi^2/\text{NDF}: 6736.5/56$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -7.893 ± 1.243 χ^2/NDF : 783.7/28

Left Out: 5.363 ± 0.710 χ^2/NDF : 810.0/24

Right Out: -11.242 ± 1.119 χ^2/NDF : 851.0/33

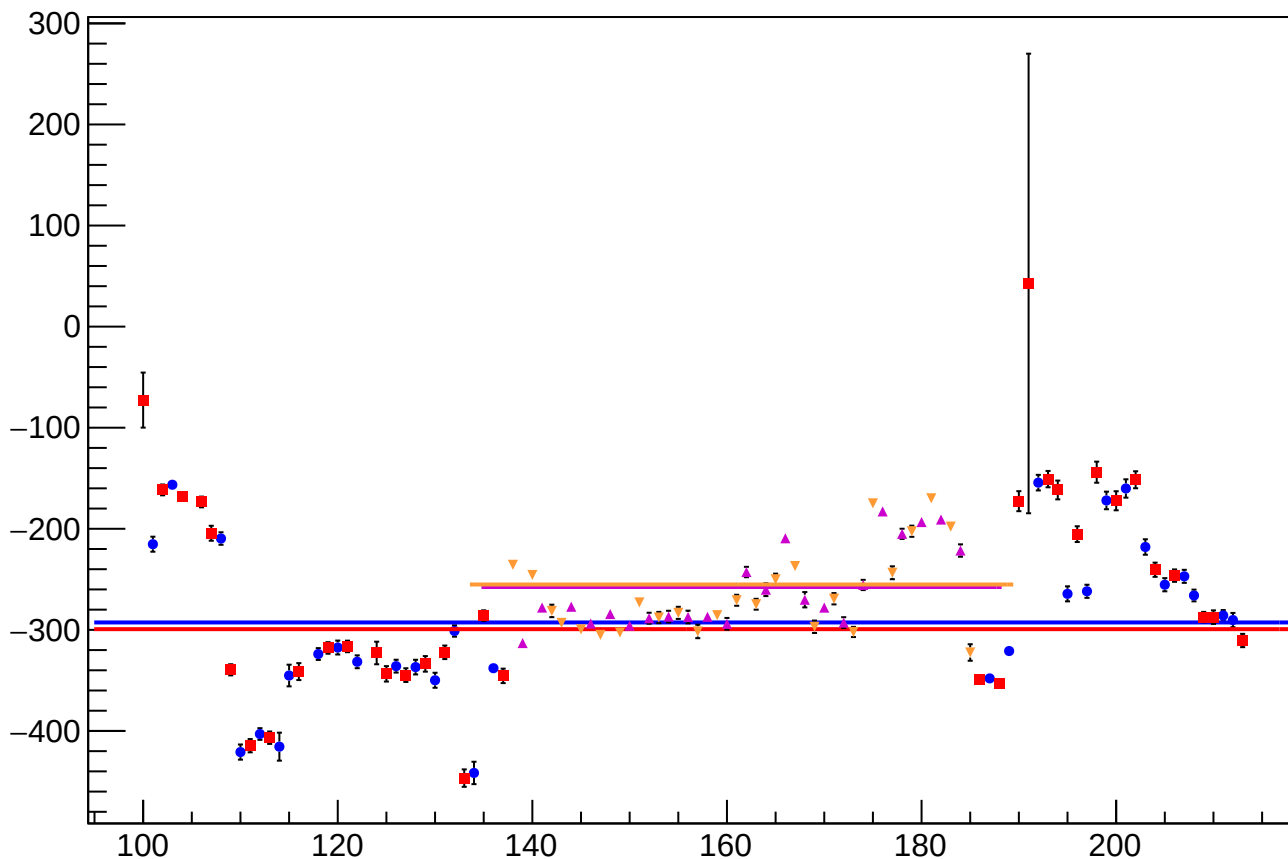
Left In: 7.061 ± 0.741 χ^2/NDF : 709.7/22

+ sign 2.099 ± 0.617 χ^2/NDF : 1679.4/53

All: 1.787 ± 0.437 χ^2/NDF : 3426.6/110

- sign 1.475 ± 0.618 χ^2/NDF : 1746.7/56

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.671 ± 1.109 $\chi^2/\text{NDF}: 4103.3/28$

Left Out: -255.122 ± 0.956 $\chi^2/\text{NDF}: 2344.8/24$

Right Out: -299.309 ± 0.953 $\chi^2/\text{NDF}: 6714.5/33$

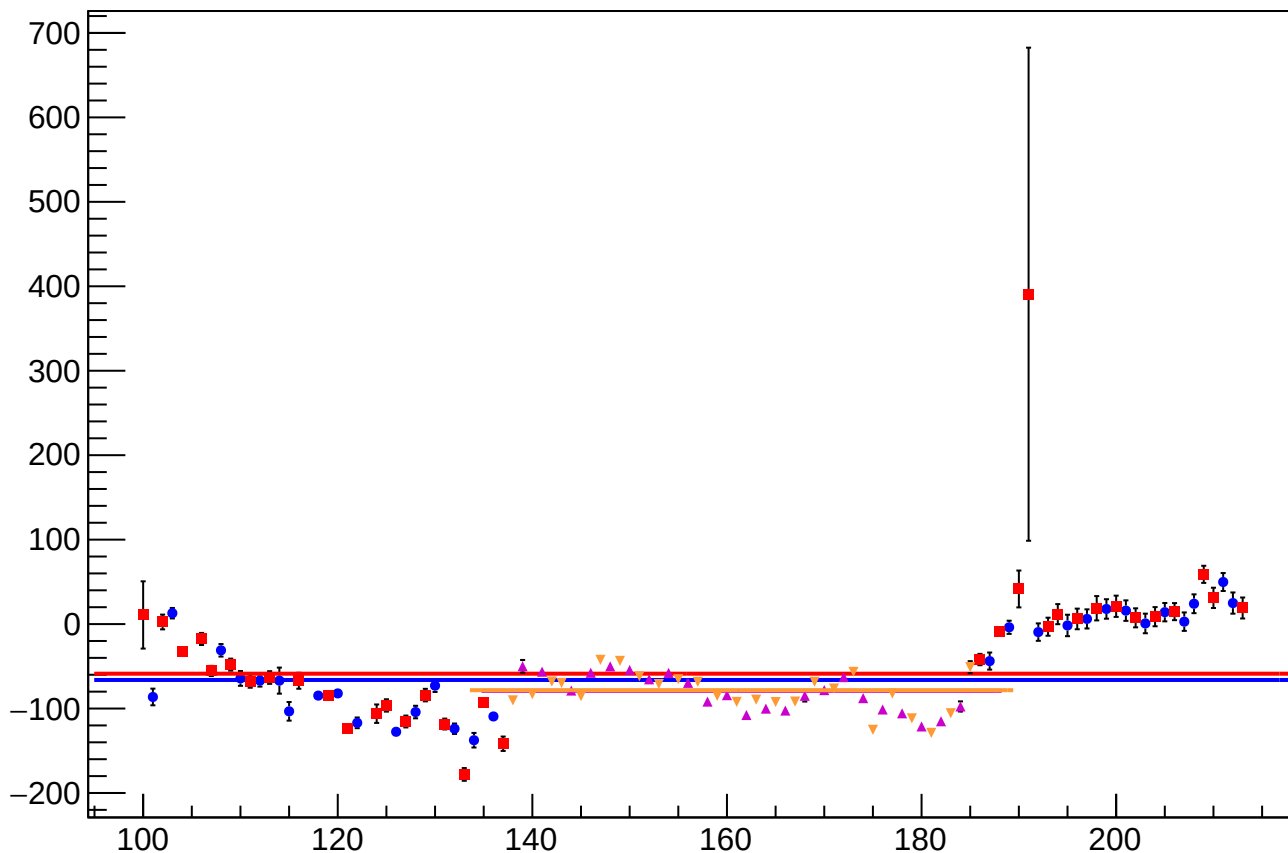
Left In: -257.600 ± 0.985 $\chi^2/\text{NDF}: 1808.1/22$

+ sign -271.134 ± 0.724 $\chi^2/\text{NDF}: 7105.6/53$

All: -275.364 ± 0.498 $\chi^2/\text{NDF}: 16619.3/110$

- sign -279.146 ± 0.685 $\chi^2/\text{NDF}: 9449.1/56$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -66.171 ± 1.449 χ^2/NDF : 1317.1/28

Left Out: -78.292 ± 0.819 χ^2/NDF : 868.2/24

Right Out: -58.739 ± 1.341 χ^2/NDF : 1528.2/33

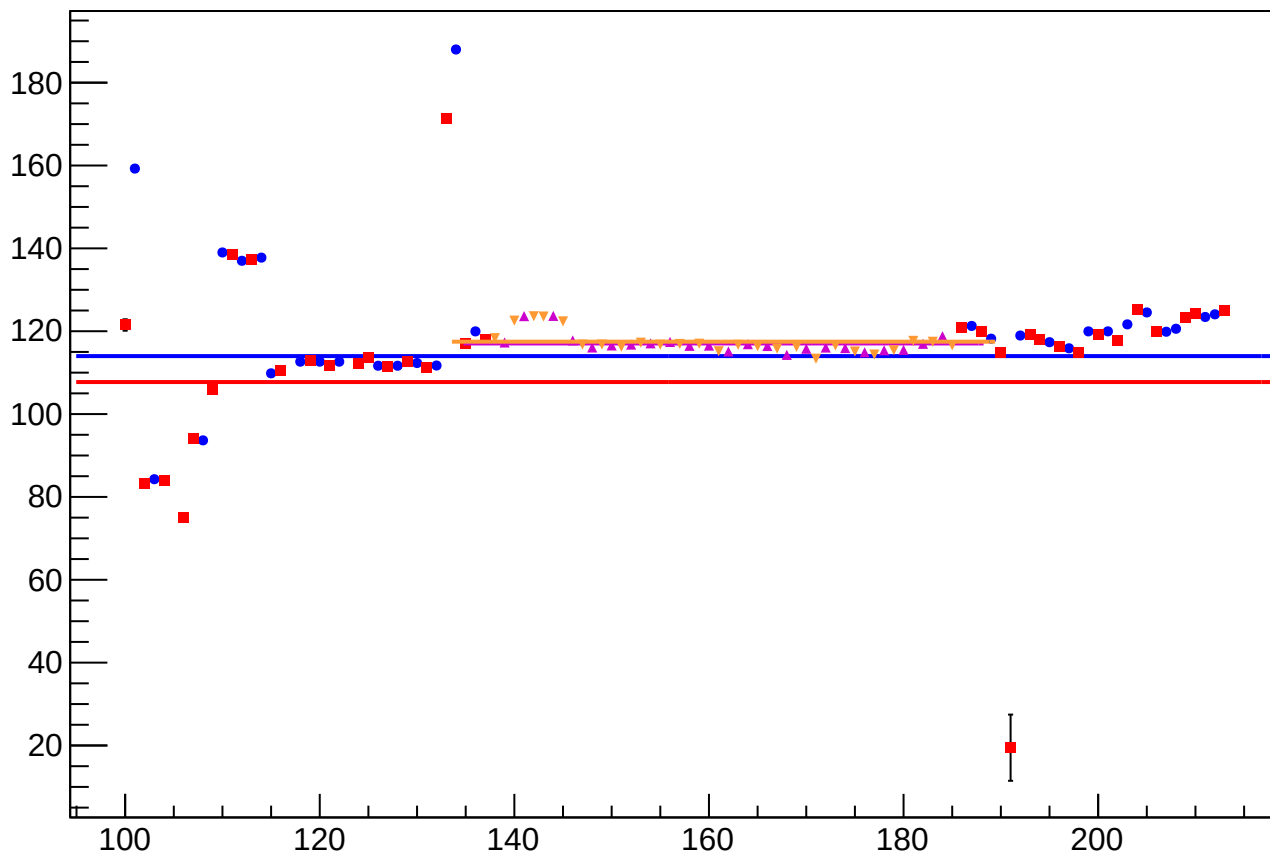
Left In: -79.066 ± 0.849 χ^2/NDF : 702.6/22

+ sign -75.358 ± 0.713 χ^2/NDF : 2238.4/53

All: -74.312 ± 0.506 χ^2/NDF : 4637.6/110

- sign -73.253 ± 0.717 χ^2/NDF : 2394.9/56

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.994 $\pm$ 0.069 χ^2 /NDF: 88103.0/28

Left Out: 117.477 $\pm$ 0.038 χ^2 /NDF: 4739.3/24

Right Out: 107.730 $\pm$ 0.064 χ^2 /NDF: 81893.1/33

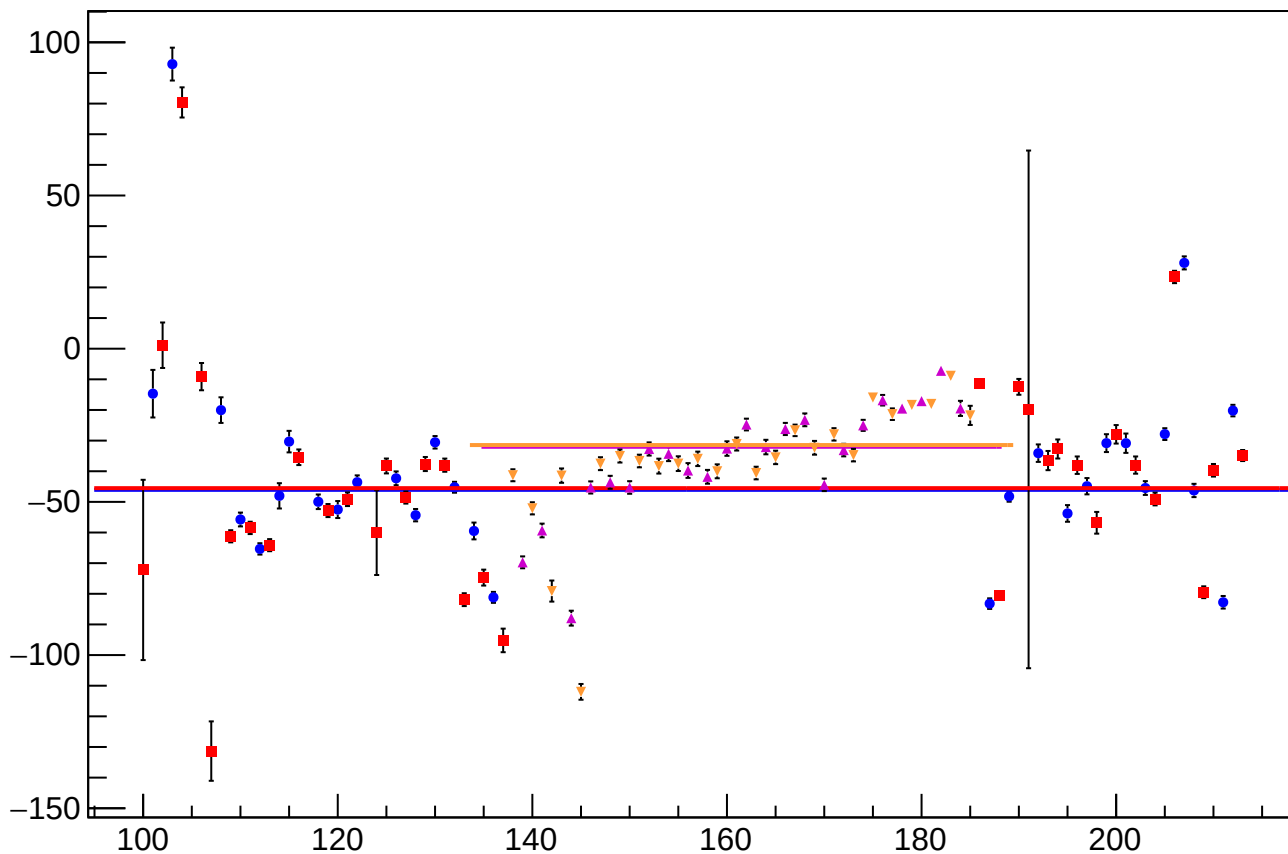
Left In: 117.046 $\pm$ 0.039 χ^2 /NDF: 3343.0/22

+ sign 116.659 $\pm$ 0.033 χ^2 /NDF: 94814.8/53

All: 115.617 $\pm$ 0.023 χ^2 /NDF: 197390.6/110

- sign 114.584 $\pm$ 0.033 χ^2 /NDF: 100621.3/56

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.068 ± 0.431 χ^2/NDF : 3712.4/28

Left Out: -31.452 ± 0.399 χ^2/NDF : 1992.2/24

Right Out: -45.519 ± 0.386 χ^2/NDF : 5742.5/33

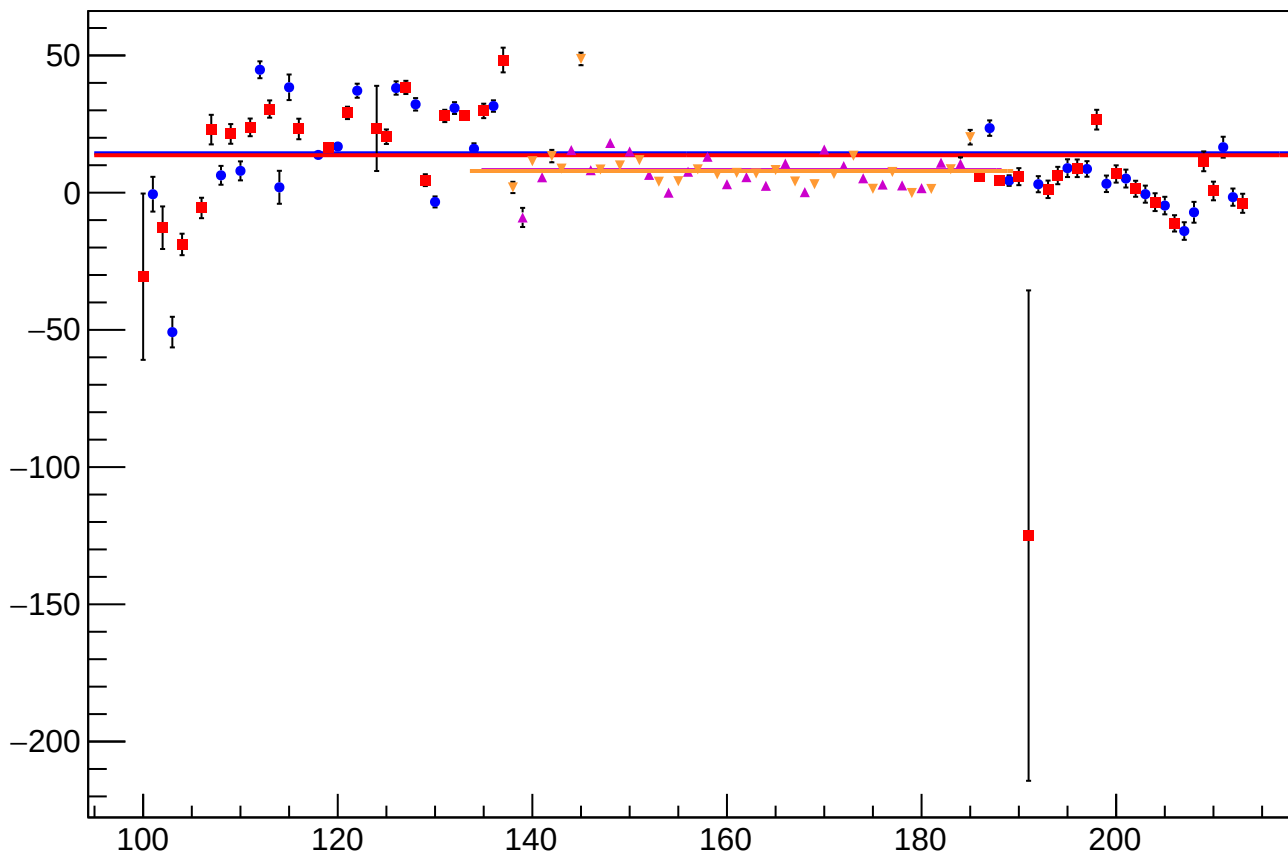
Left In: -32.015 ± 0.409 χ^2/NDF : 1913.4/22

+ sign -38.201 ± 0.293 χ^2/NDF : 6324.6/53

All: -38.701 ± 0.203 χ^2/NDF : 14562.6/110

- sign -39.160 ± 0.281 χ^2/NDF : 8232.4/56

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.345 $\pm$ 0.491 χ^2 /NDF: 999.4/28

Left Out: 7.897 $\pm$ 0.304 χ^2 /NDF: 490.5/24

Right Out: 13.640 $\pm$ 0.454 χ^2 /NDF: 855.0/33

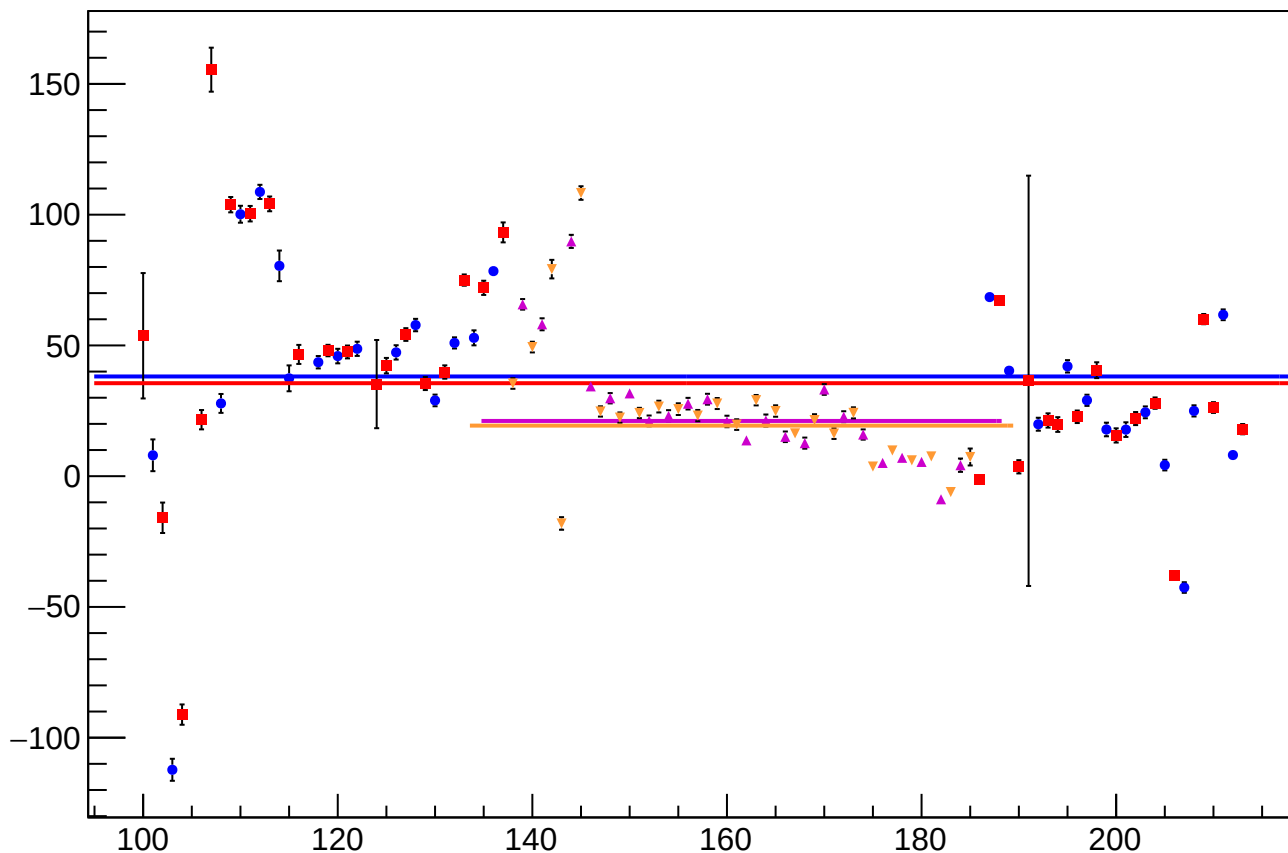
Left In: 8.223 $\pm$ 0.316 χ^2 /NDF: 338.8/22

+ sign 9.682 $\pm$ 0.258 χ^2 /NDF: 1614.6/53

All: 9.835 $\pm$ 0.183 χ^2 /NDF: 2905.1/110

- sign 9.988 $\pm$ 0.259 χ^2 /NDF: 1289.8/56

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.130 ± 0.436 χ^2/NDF : 6056.2/28

Left Out: 19.339 ± 0.396 χ^2/NDF : 2682.4/24

Right Out: 35.559 ± 0.373 χ^2/NDF : 9366.3/33

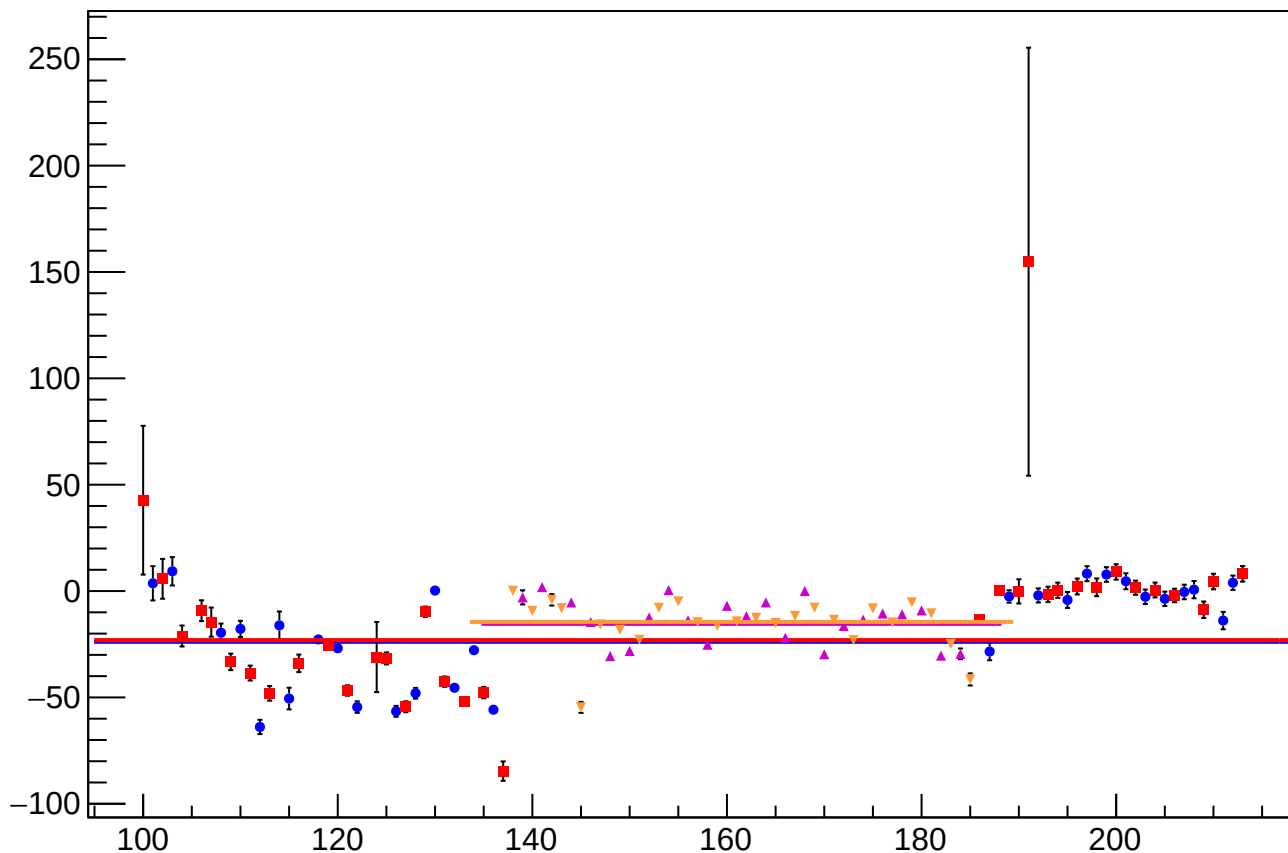
Left In: 21.124 ± 0.405 χ^2/NDF : 2504.8/22

+ sign 27.830 ± 0.293 χ^2/NDF : 9758.3/53

All: 28.419 ± 0.200 χ^2/NDF : 22325.0/110

- sign 28.934 ± 0.274 χ^2/NDF : 12559.2/56

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -23.866 ± 0.570 χ^2/NDF : 1610.5/28

Left Out: -14.502 ± 0.344 χ^2/NDF : 641.0/24

Right Out: -23.044 ± 0.546 χ^2/NDF : 1656.7/33

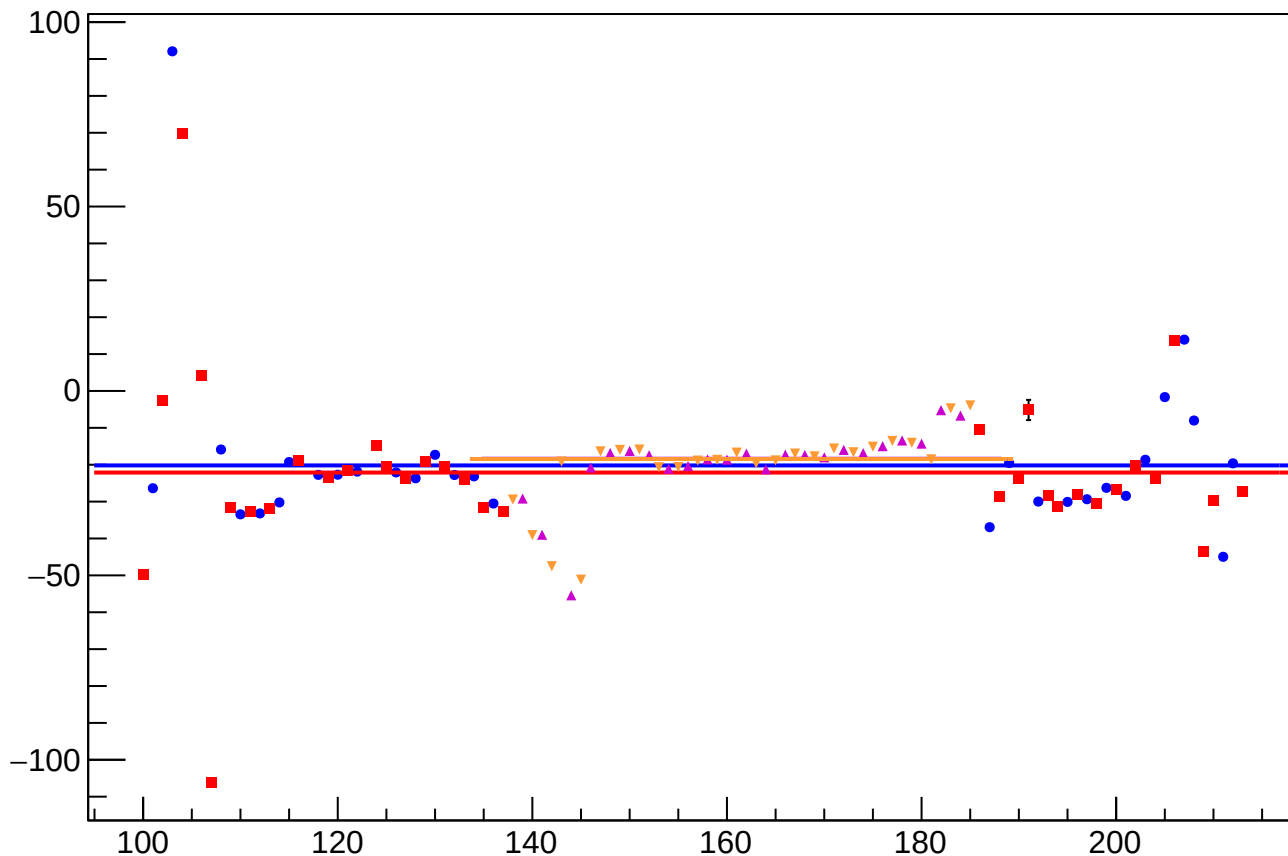
Left In: -15.417 ± 0.355 χ^2/NDF : 798.7/22

+ sign -17.003 ± 0.294 χ^2/NDF : 2449.4/53

All: -17.340 ± 0.209 χ^2/NDF : 5044.5/110

- sign -17.685 ± 0.298 χ^2/NDF : 2592.5/56

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.191 ± 0.028 $\chi^2/\text{NDF}: 572278.2/28$

Left Out: -18.450 ± 0.015 $\chi^2/\text{NDF}: 295359.2/24$

Right Out: -22.123 ± 0.027 $\chi^2/\text{NDF}: 483954.1/33$

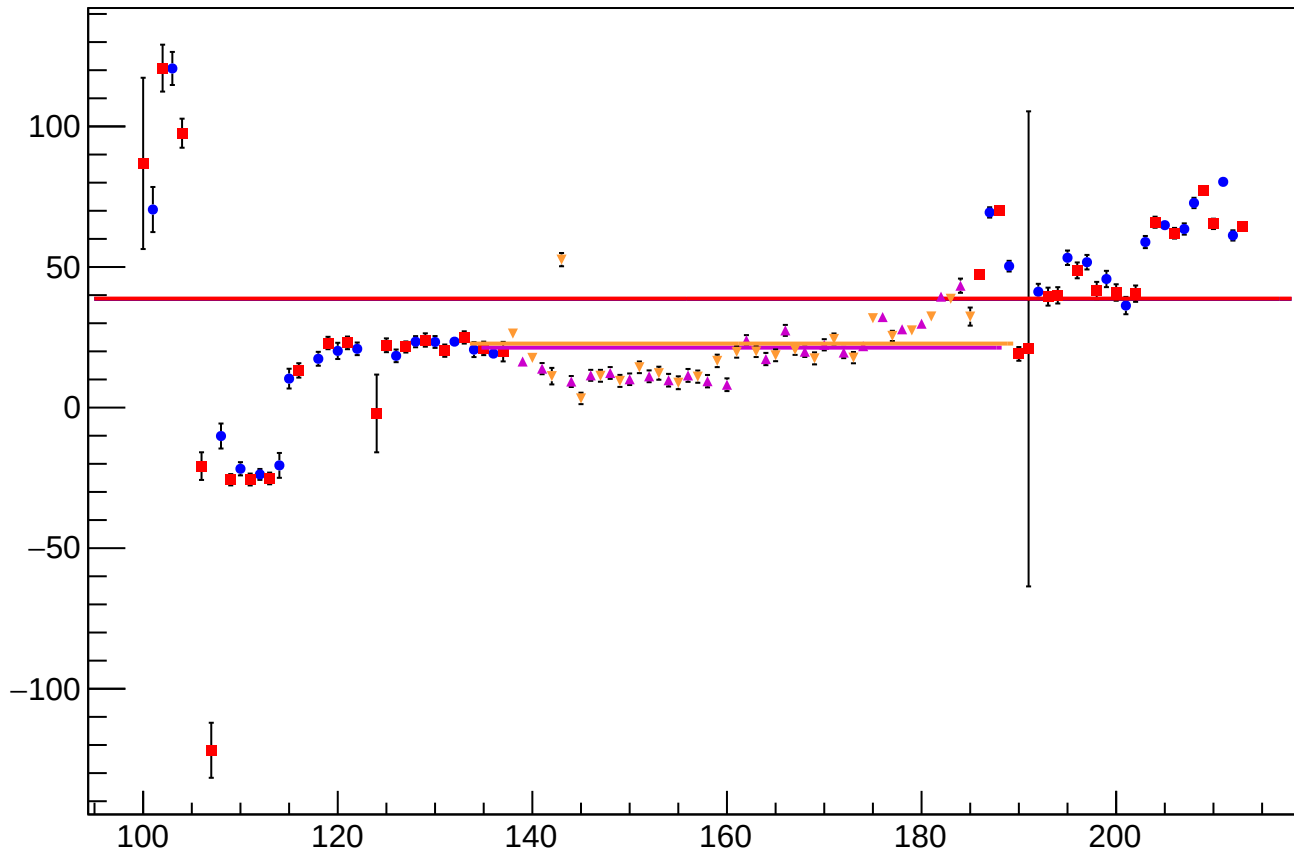
Left In: -18.378 ± 0.016 $\chi^2/\text{NDF}: 250040.9/22$

+ sign -18.867 ± 0.013 $\chi^2/\text{NDF}: 870672.0/53$

All: -19.096 ± 0.010 $\chi^2/\text{NDF}: 1619583.4/110$

- sign -19.328 ± 0.014 $\chi^2/\text{NDF}: 748333.7/56$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 38.630 ± 0.423 χ^2/NDF : 4817.1/28

Left Out: 22.766 ± 0.383 χ^2/NDF : 722.8/24

Right Out: 38.759 ± 0.390 χ^2/NDF : 6456.4/33

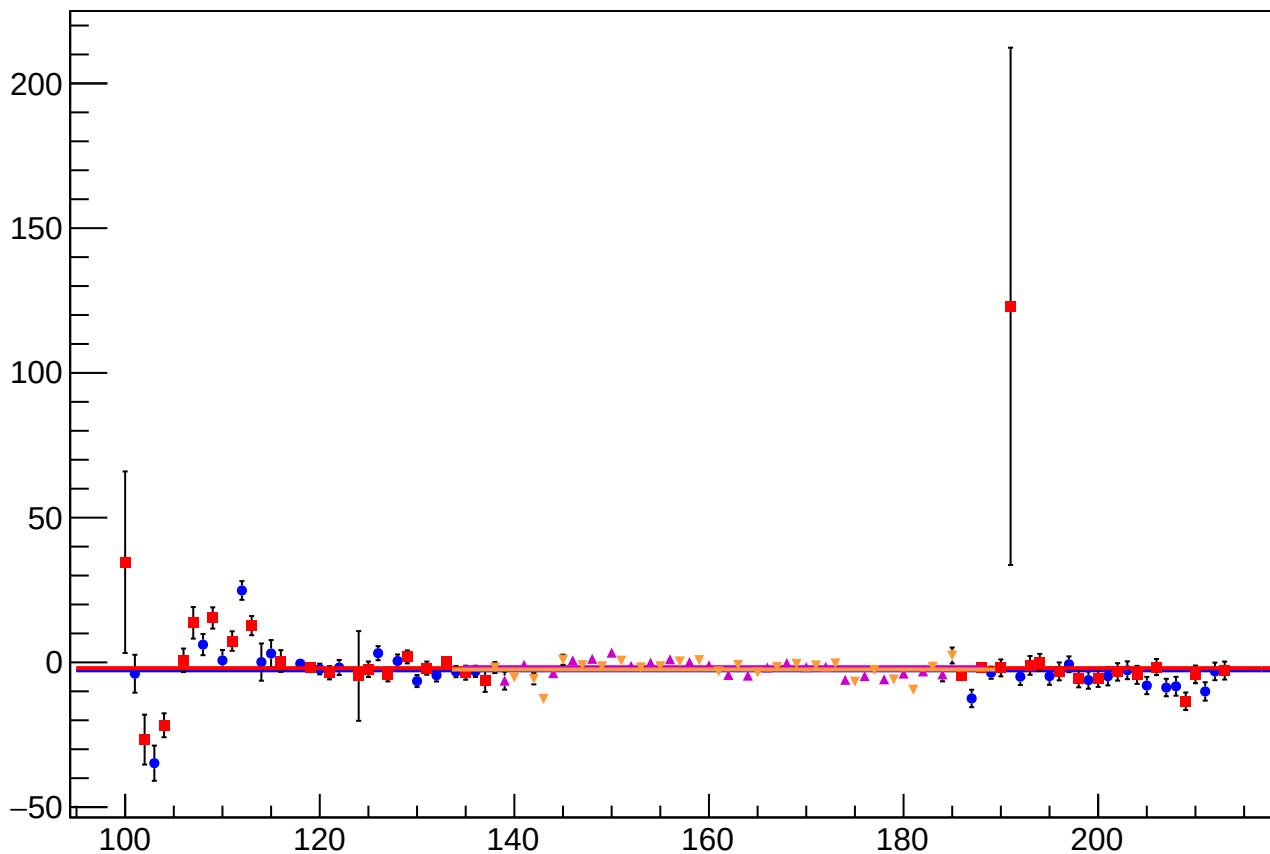
Left In: 21.325 ± 0.393 χ^2/NDF : 629.9/22

+ sign 29.897 ± 0.284 χ^2/NDF : 6312.5/53

All: 30.003 ± 0.198 χ^2/NDF : 14391.3/110

- sign 30.104 ± 0.277 χ^2/NDF : 8078.5/56

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.741 ± 0.491 χ^2/NDF : 153.3/28

Left Out: -2.468 ± 0.293 χ^2/NDF : 116.7/24

Right Out: -1.988 ± 0.465 χ^2/NDF : 121.7/33

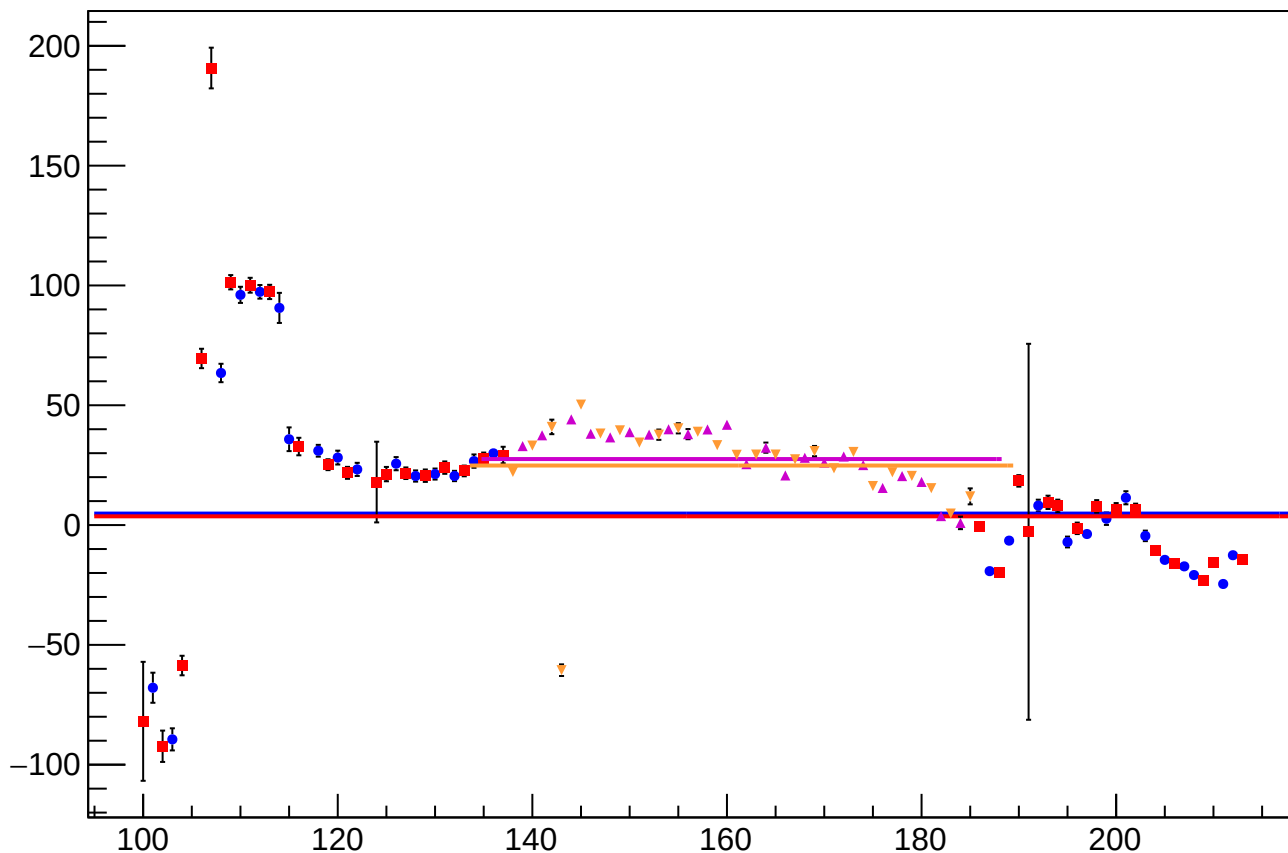
Left In: -1.659 ± 0.304 χ^2/NDF : 70.2/22

+ sign -2.540 ± 0.252 χ^2/NDF : 270.2/53

All: -2.153 ± 0.179 χ^2/NDF : 467.3/110

- sign -1.758 ± 0.255 χ^2/NDF : 192.3/56

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 4.792 ± 0.430 $\chi^2/\text{NDF}: 4708.2/28$

Left Out: 24.850 ± 0.380 $\chi^2/\text{NDF}: 2048.7/24$

Right Out: 3.648 ± 0.383 $\chi^2/\text{NDF}: 6304.7/33$

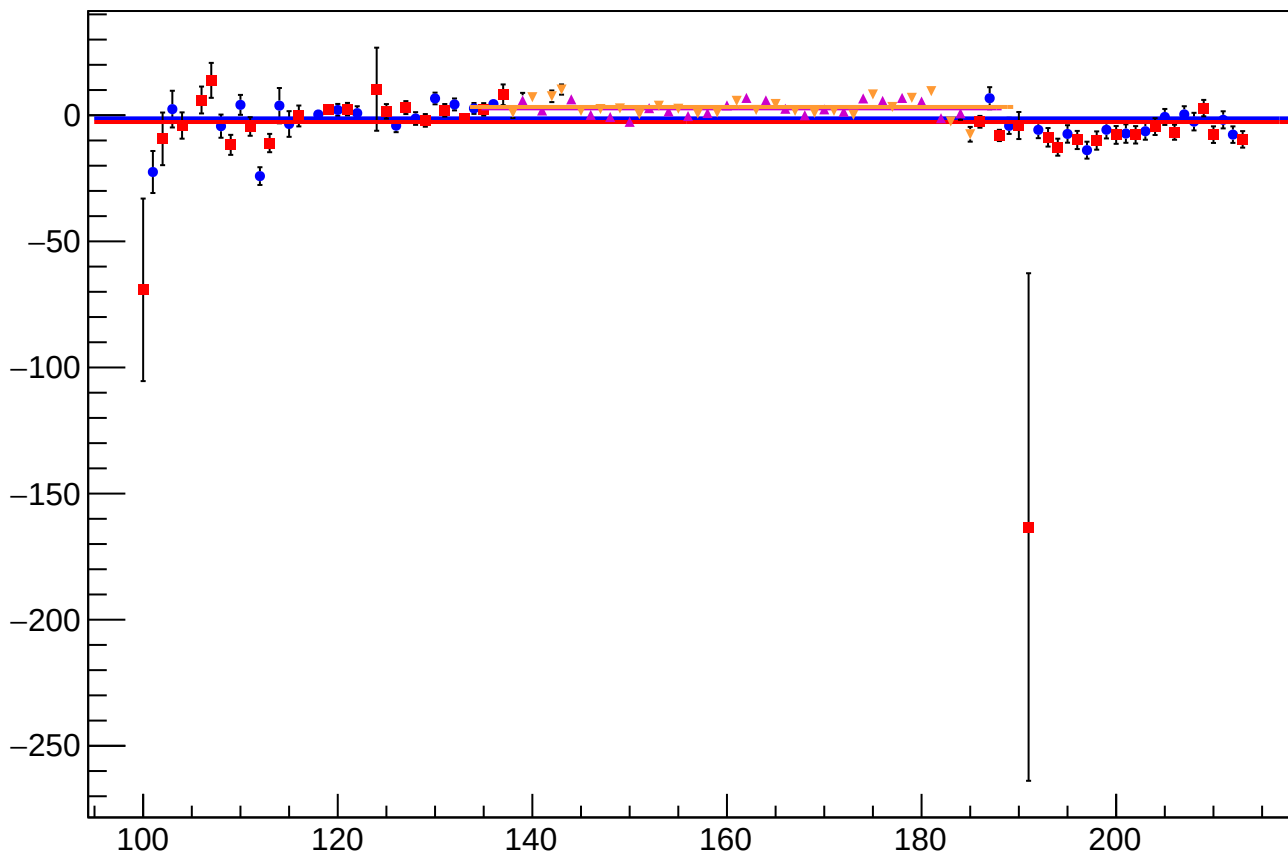
Left In: 27.551 ± 0.389 $\chi^2/\text{NDF}: 881.9/22$

+ sign 16.049 ± 0.284 $\chi^2/\text{NDF}: 7980.9/53$

All: 15.716 ± 0.197 $\chi^2/\text{NDF}: 17089.1/110$

- sign 15.410 ± 0.273 $\chi^2/\text{NDF}: 9105.6/56$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.236 ± 0.565 χ^2/NDF : 119.9/28

Left Out: 3.287 ± 0.331 χ^2/NDF : 106.3/24

Right Out: -2.679 ± 0.552 χ^2/NDF : 100.9/33

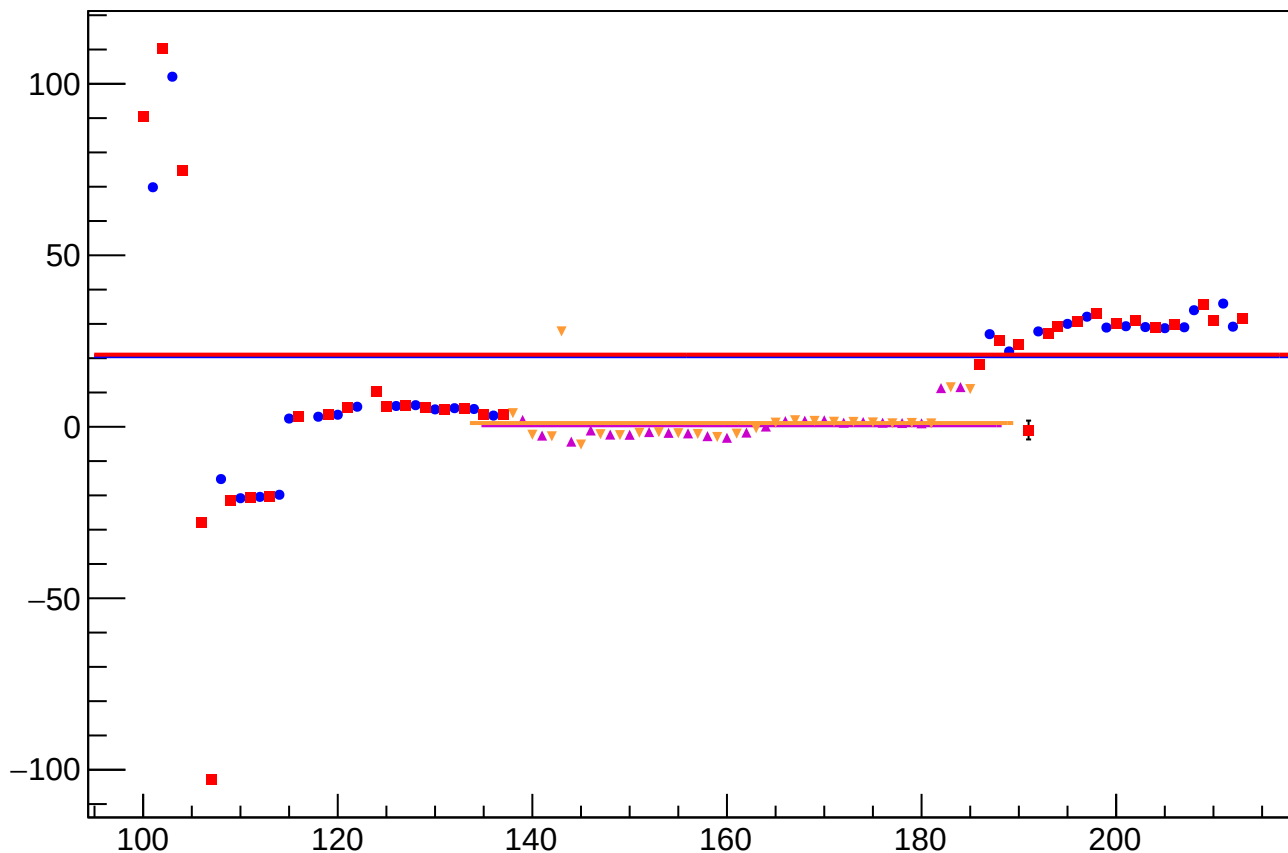
Left In: 2.730 ± 0.342 χ^2/NDF : 74.5/22

+ sign 2.129 ± 0.286 χ^2/NDF : 273.9/53

All: 1.687 ± 0.204 χ^2/NDF : 523.5/110

- sign 1.229 ± 0.291 χ^2/NDF : 244.8/56

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 20.576 $\pm$ 0.027 χ^2 /NDF: 496940.0/28

Left Out: 1.094 $\pm$ 0.015 χ^2 /NDF: 128801.7/24

Right Out: 21.037 $\pm$ 0.027 χ^2 /NDF: 642931.0/33

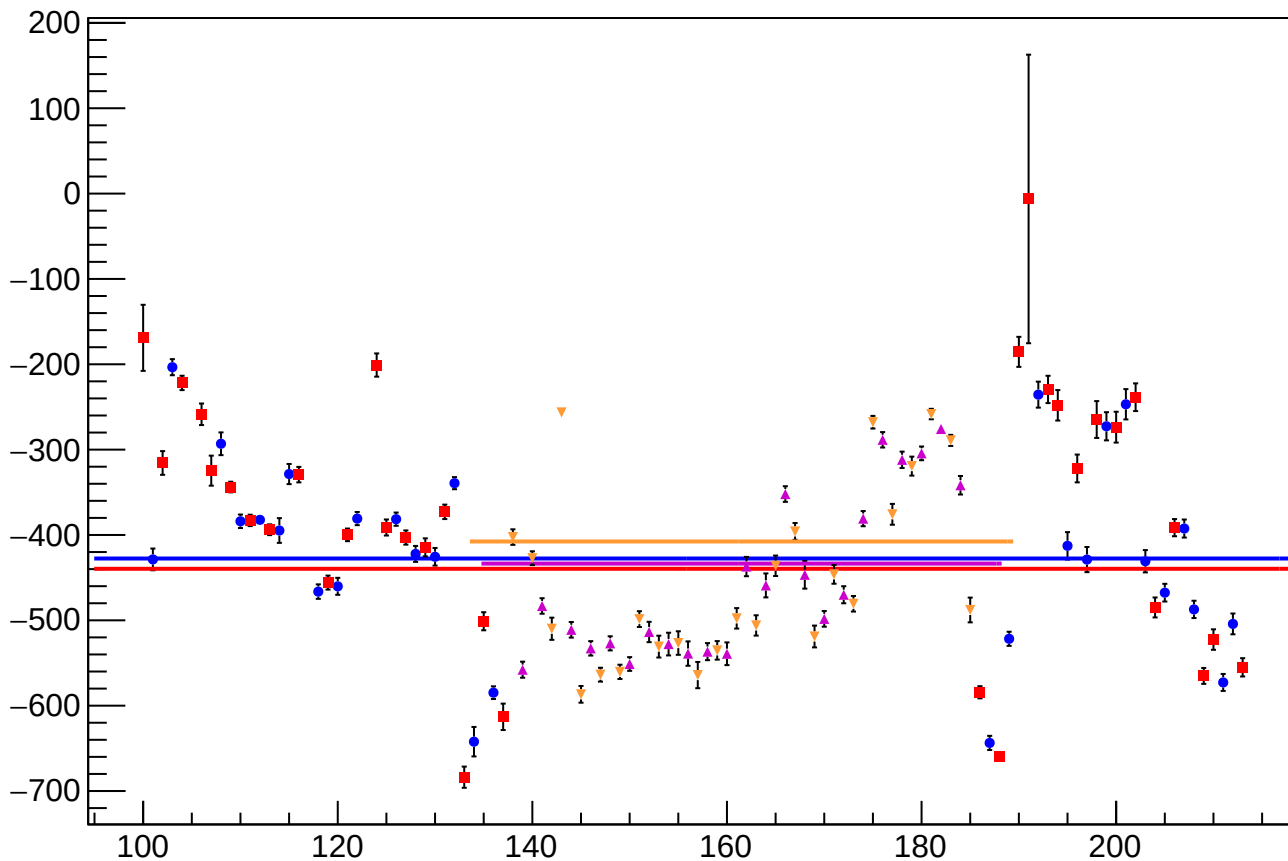
Left In: 0.443 $\pm$ 0.015 χ^2 /NDF: 53446.3/22

+ sign 5.656 $\pm$ 0.013 χ^2 /NDF: 1029426.7/53

All: 5.558 $\pm$ 0.009 χ^2 /NDF: 2179685.8/110

- sign 5.458 $\pm$ 0.013 χ^2 /NDF: 1150144.0/56

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -427.580 ± 1.828 χ^2/NDF : 3165.6/28

Left Out: -407.620 ± 1.868 χ^2/NDF : 4005.6/24

Right Out: -439.618 ± 1.666 χ^2/NDF : 6719.4/33

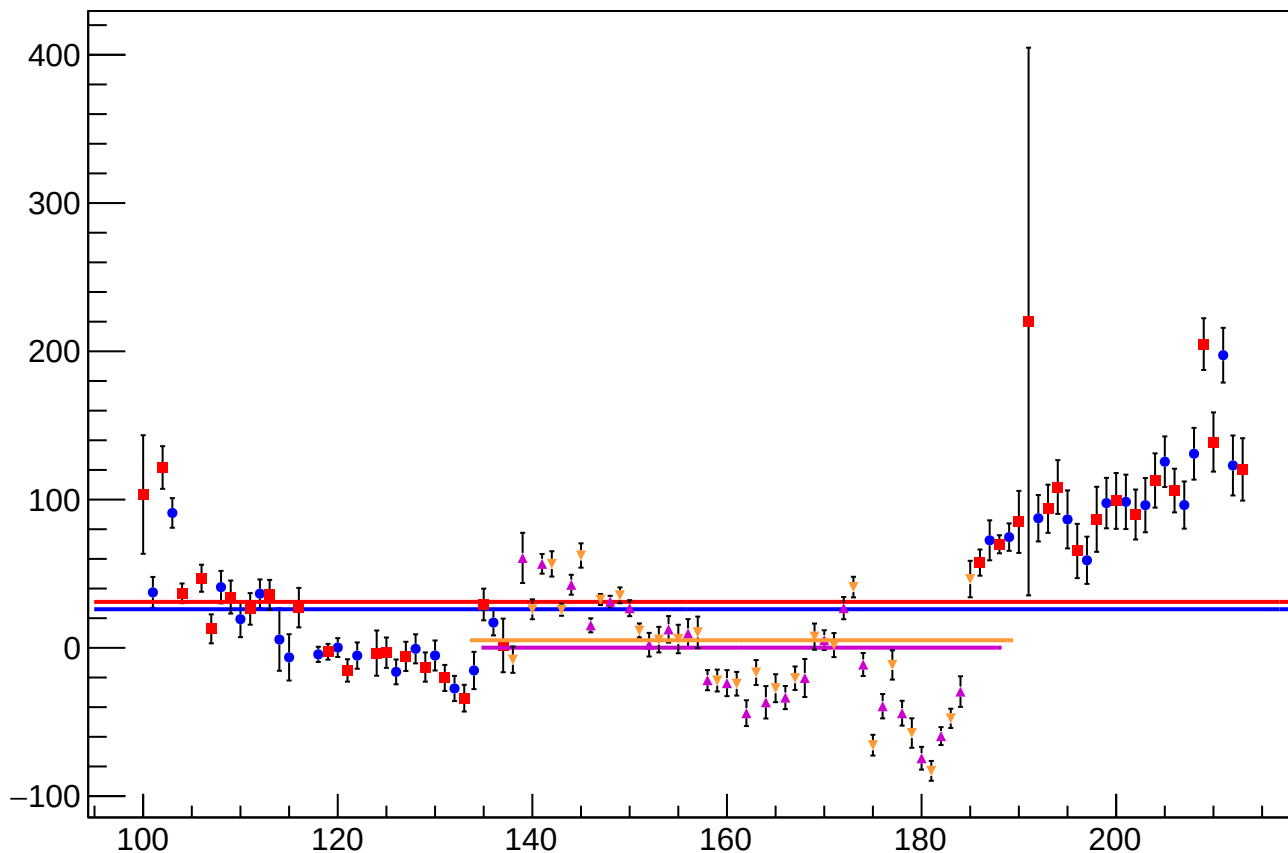
Left In: -433.529 ± 1.993 χ^2/NDF : 2724.5/22

+ sign -417.818 ± 1.306 χ^2/NDF : 7229.5/53

All: -427.676 ± 0.914 χ^2/NDF : 16790.4/110

- sign -437.114 ± 1.278 χ^2/NDF : 9449.4/56

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 26.051 ± 2.007 $\chi^2/\text{NDF}: 525.6/28$

Left Out: 5.125 ± 1.379 $\chi^2/\text{NDF}: 689.2/24$

Right Out: 31.005 ± 1.879 $\chi^2/\text{NDF}: 585.0/33$

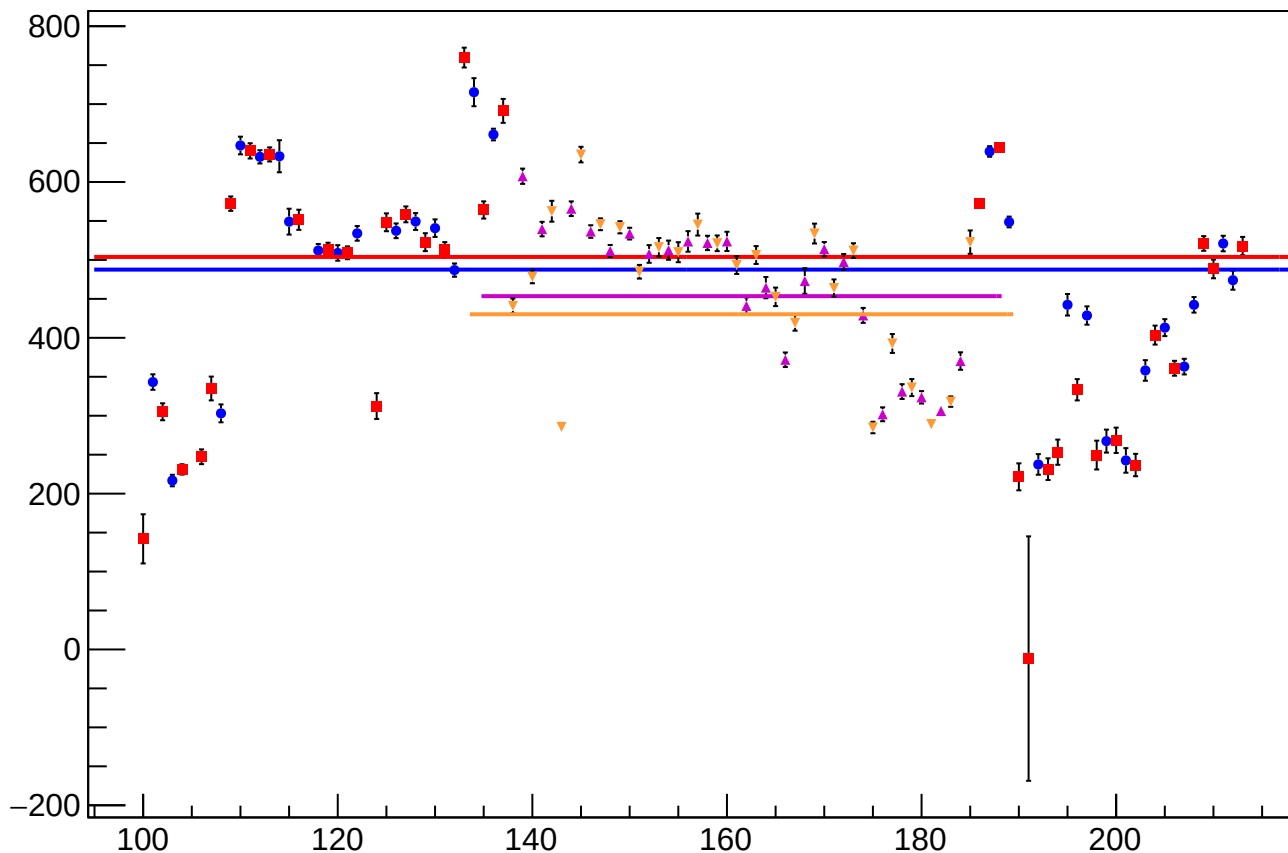
Left In: 0.124 ± 1.489 $\chi^2/\text{NDF}: 568.6/22$

+ sign 11.835 ± 1.136 $\chi^2/\text{NDF}: 1288.6/53$

All: 11.932 ± 0.814 $\chi^2/\text{NDF}: 2608.0/110$

- sign 12.035 ± 1.167 $\chi^2/\text{NDF}: 1319.4/56$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 487.574 $\pm$ 1.887 χ^2 /NDF: 4927.3/28

Left Out: 430.238 $\pm$ 1.861 χ^2 /NDF:3405.1/24

Right Out: 503.831 $\pm$ 1.673 χ^2 /NDF: 8073.3/33

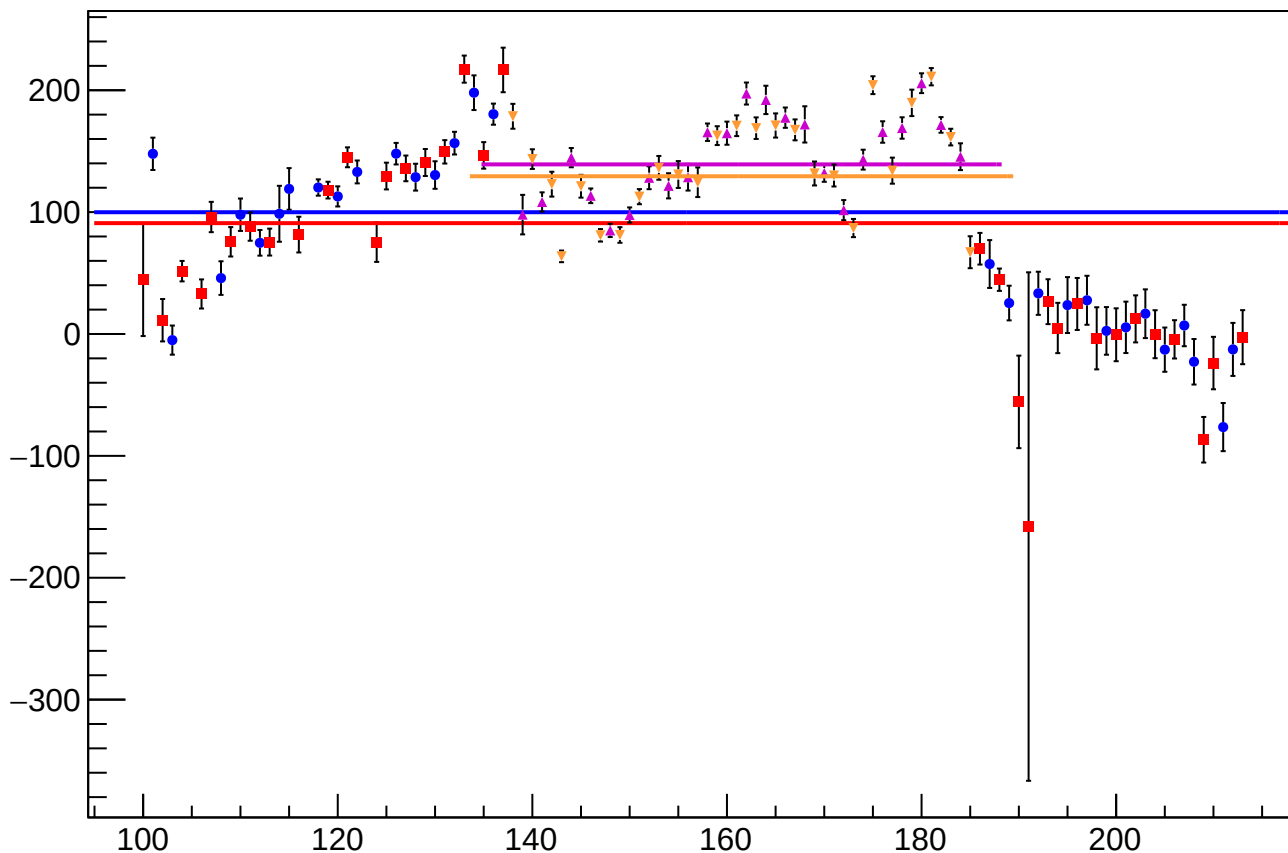
Left In: 453.496 $\pm$ 1.974 χ^2 /NDF:2419.7/22

+ sign 458.514 $\pm$ 1.325 χ^2 /NDF: 8800.4/53

All: 471.101 $\pm$ 0.919 χ^2 /NDF: 19845.8/110

- sign 482.783 $\pm$ 1.276 χ^2 /NDF: 10871.4/56

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 99.909 $\pm$ 2.348 χ^2 /NDF: 701.5/28

Left Out: 129.418 $\pm$ 1.593 χ^2 /NDF: 814.3/24

Right Out: 90.949 $\pm$ 2.233 χ^2 /NDF: 749.3/33

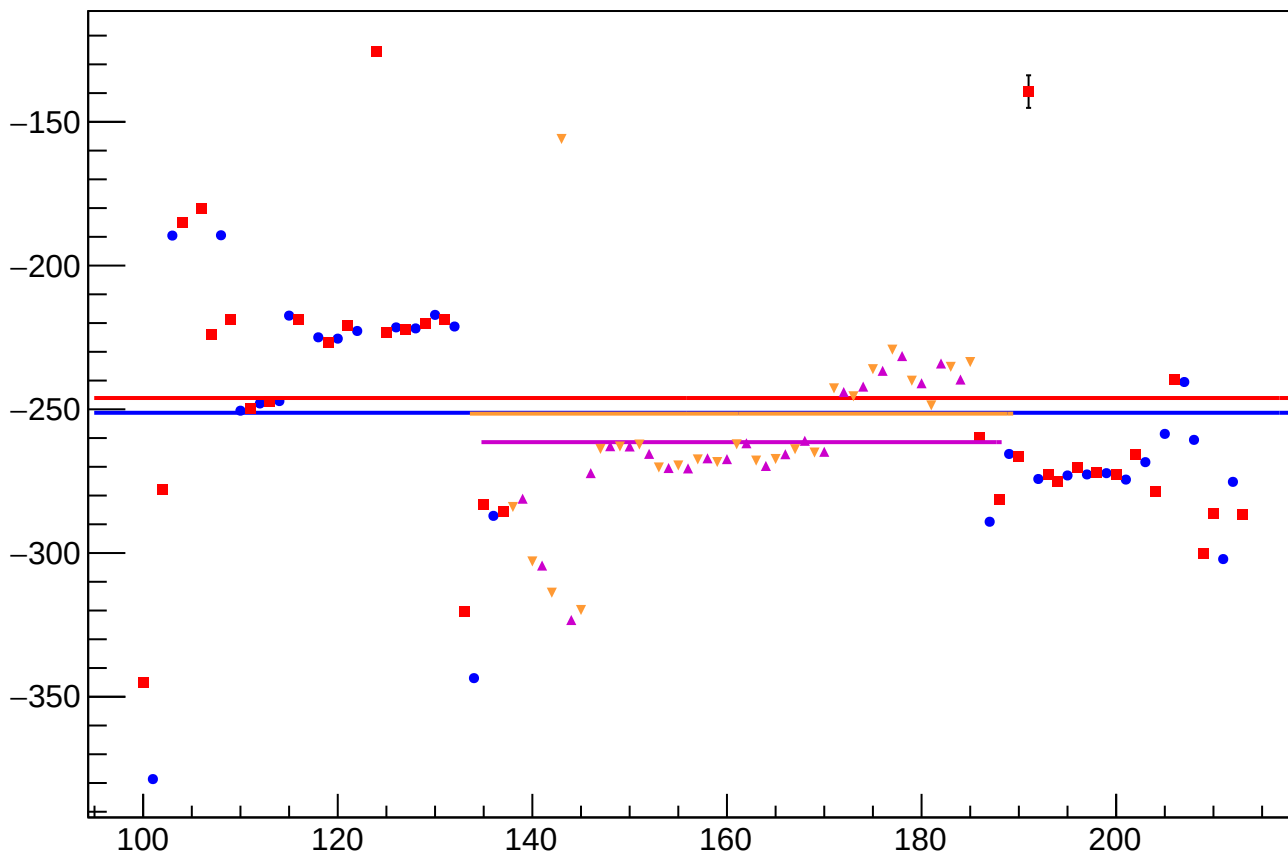
Left In: 139.163 $\pm$ 1.705 χ^2 /NDF: 434.2/22

+ sign 120.119 $\pm$ 1.318 χ^2 /NDF: 1623.9/53

All: 120.747 $\pm$ 0.945 χ^2 /NDF: 3102.3/110

- sign 121.412 $\pm$ 1.355 χ^2 /NDF: 1477.9/56

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -251.207 ± 0.119 $\chi^2/\text{NDF}: 152199.7/28$

Left Out: -251.508 ± 0.075 $\chi^2/\text{NDF}: 254924.4/24$

Right Out: -246.070 ± 0.115 $\chi^2/\text{NDF}: 119665.5/33$

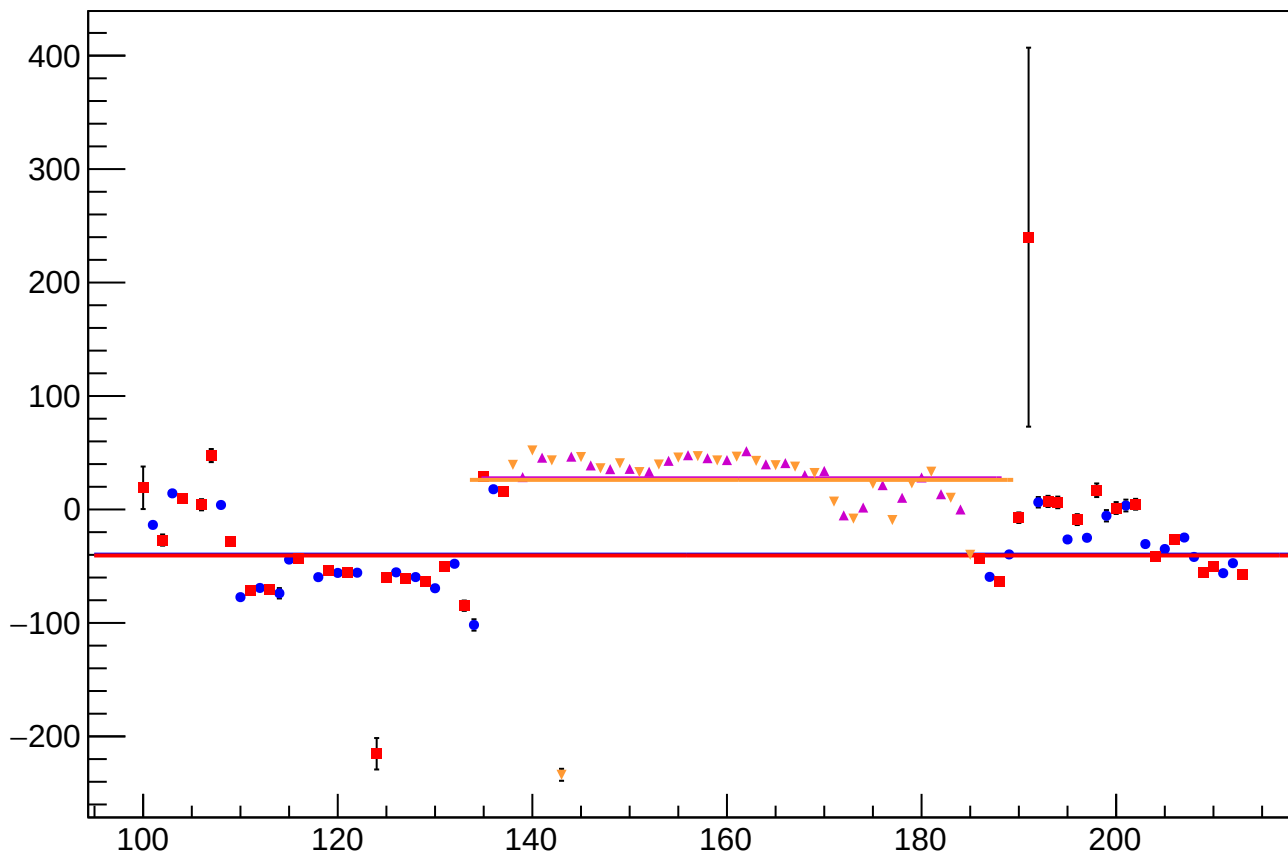
Left In: -261.425 ± 0.078 $\chi^2/\text{NDF}: 69557.7/22$

+ sign -251.424 ± 0.063 $\chi^2/\text{NDF}: 407128.7/53$

All: -253.961 ± 0.045 $\chi^2/\text{NDF}: 611854.9/110$

- sign -256.598 ± 0.064 $\chi^2/\text{NDF}: 201445.1/56$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.800 ± 0.565 χ^2/NDF : 2789.1/28

Left Out: 26.087 ± 0.390 χ^2/NDF : 4785.1/24

Right Out: -40.556 ± 0.507 χ^2/NDF : 3350.4/33

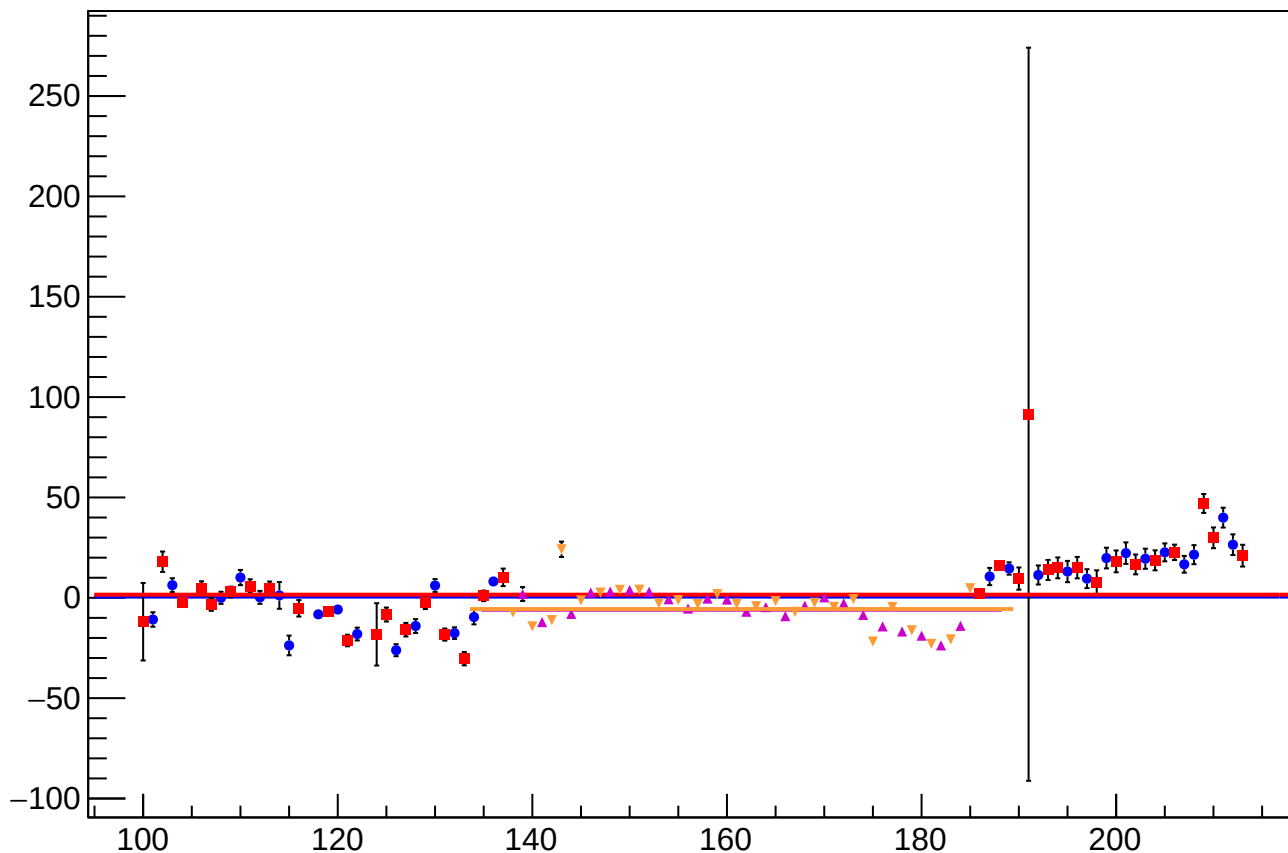
Left In: 27.466 ± 0.396 χ^2/NDF : 1608.9/22

+ sign 4.830 ± 0.321 χ^2/NDF : 16796.9/53

All: 3.236 ± 0.224 χ^2/NDF : 32981.3/110

- sign 1.727 ± 0.312 χ^2/NDF : 16136.2/56

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.607 ± 0.647 χ^2/NDF : 498.7/28

Left Out: -5.625 ± 0.302 χ^2/NDF : 893.3/24

Right Out: 1.554 ± 0.602 χ^2/NDF : 547.1/33

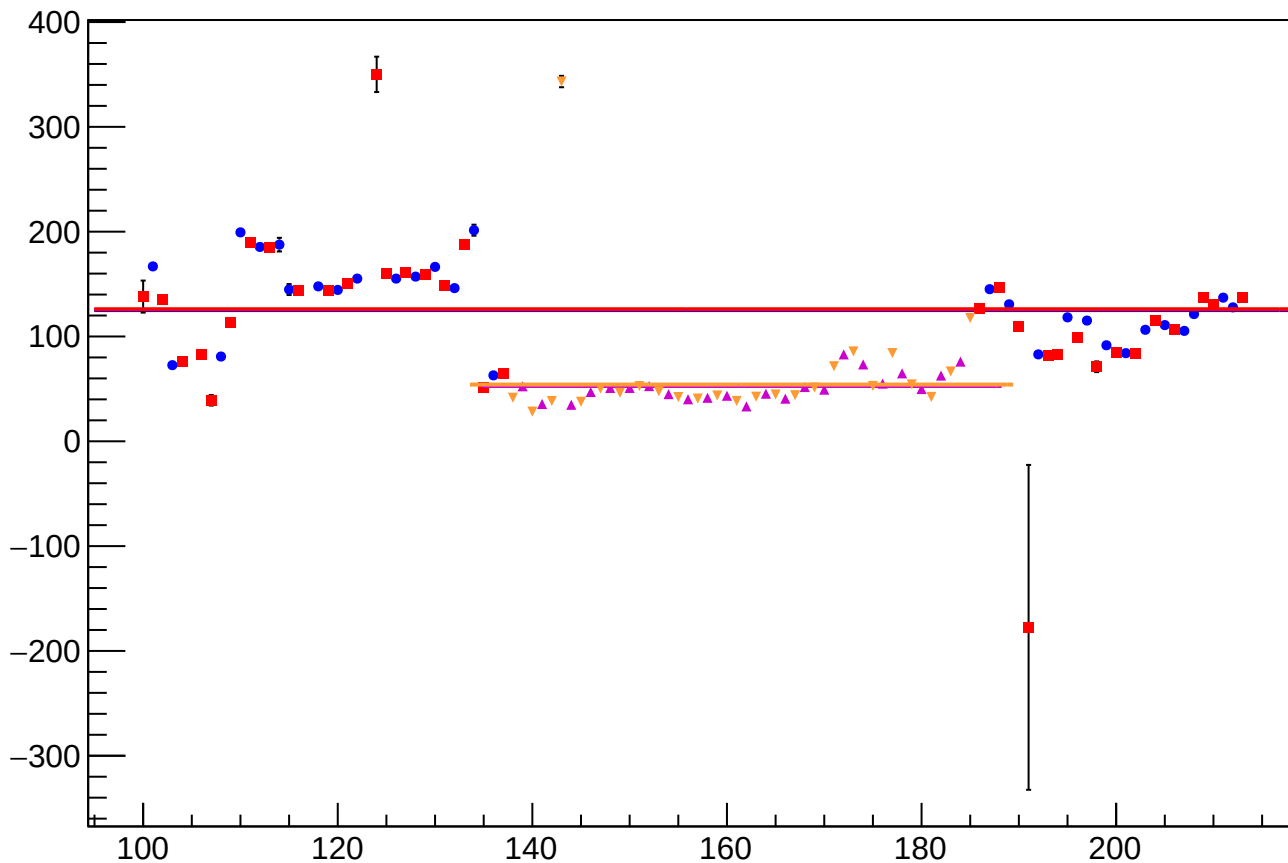
Left In: -5.940 ± 0.309 χ^2/NDF : 712.2/22

+ sign -4.510 ± 0.274 χ^2/NDF : 1468.3/53

All: -4.444 ± 0.194 χ^2/NDF : 2850.3/110

- sign -4.378 ± 0.275 χ^2/NDF : 1381.9/56

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.195 $\pm$ 0.578 χ^2 /NDF: 4135.2/28

Left Out: 54.123 $\pm$ 0.387 χ^2 /NDF: 4591.8/24

Right Out: 126.009 $\pm$ 0.512 χ^2 /NDF: 4455.7/33

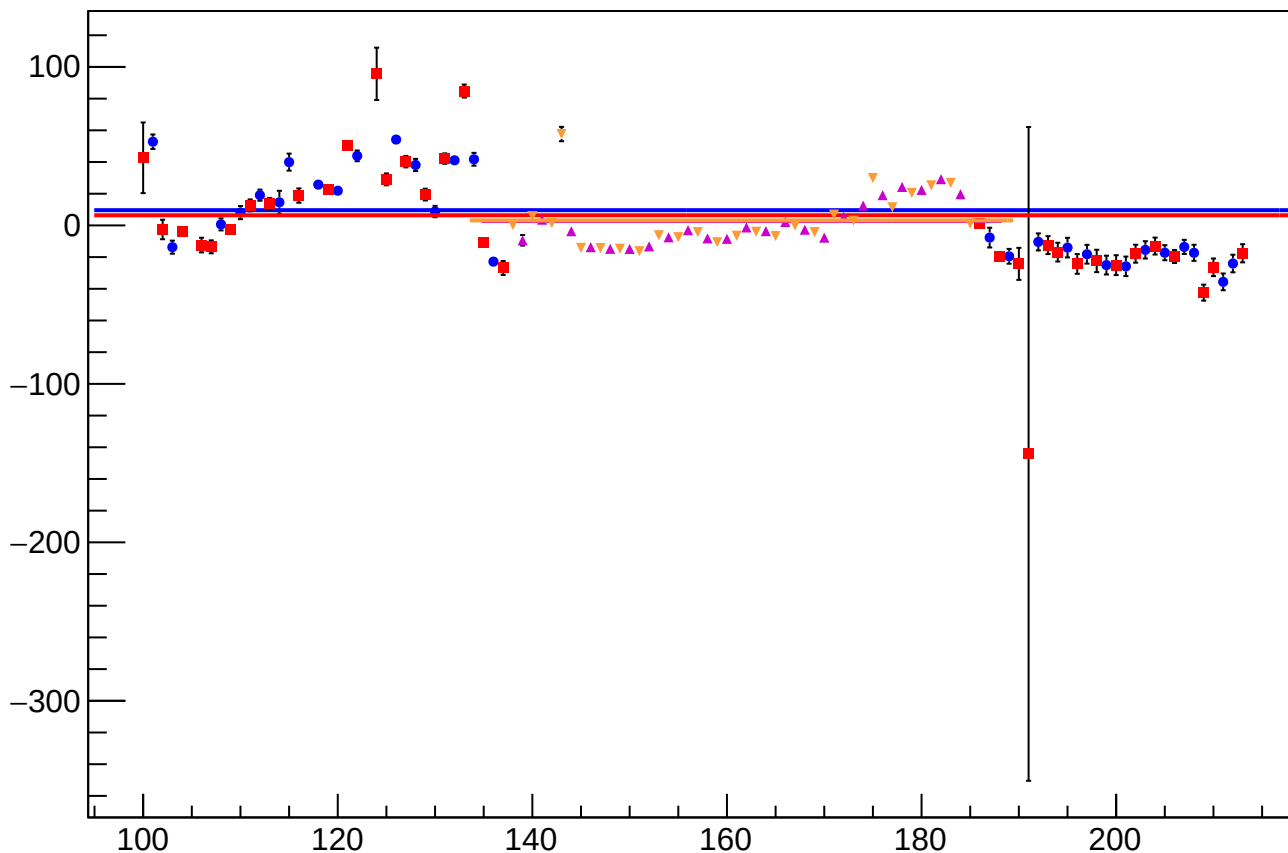
Left In: 52.797 $\pm$ 0.393 χ^2 /NDF: 978.1/22

+ sign 76.122 $\pm$ 0.322 χ^2 /NDF: 19151.5/53

All: 78.085 $\pm$ 0.224 χ^2 /NDF: 37542.6/110

- sign 79.924 $\pm$ 0.311 χ^2 /NDF: 18319.0/56

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 9.612 ± 0.745 χ^2/NDF : 1360.4/28

Left Out: 3.155 ± 0.340 χ^2/NDF : 2012.4/24

Right Out: 6.398 ± 0.711 χ^2/NDF : 1467.8/33

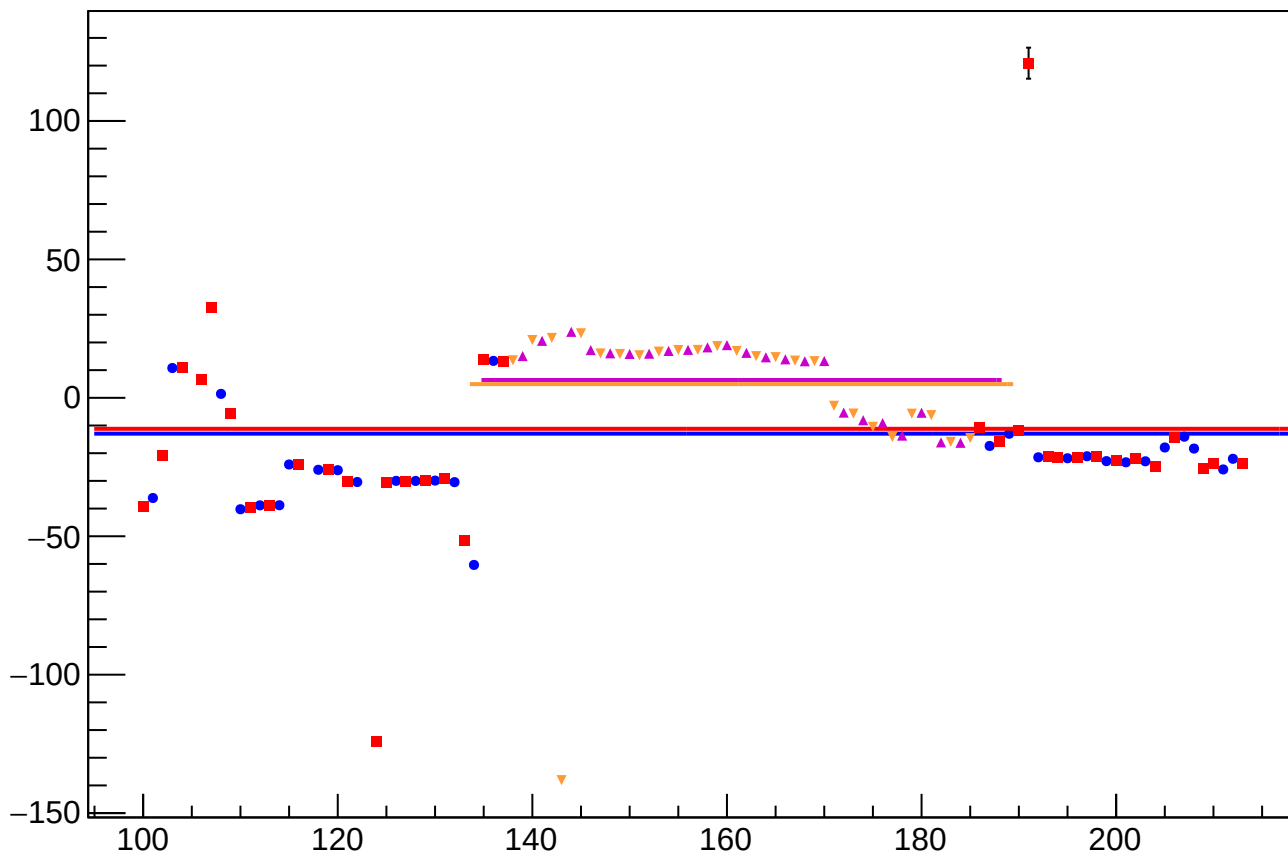
Left In: 2.722 ± 0.347 χ^2/NDF : 1735.2/22

+ sign 4.268 ± 0.309 χ^2/NDF : 3435.0/53

All: 3.851 ± 0.219 χ^2/NDF : 6663.2/110

- sign 3.428 ± 0.312 χ^2/NDF : 3224.5/56

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.940 ± 0.035 $\chi^2/\text{NDF}: 300497.8/28$

Left Out: 4.946 ± 0.015 $\chi^2/\text{NDF}: 1136506.7/24$

Right Out: -11.188 ± 0.035 $\chi^2/\text{NDF}: 282502.1/33$

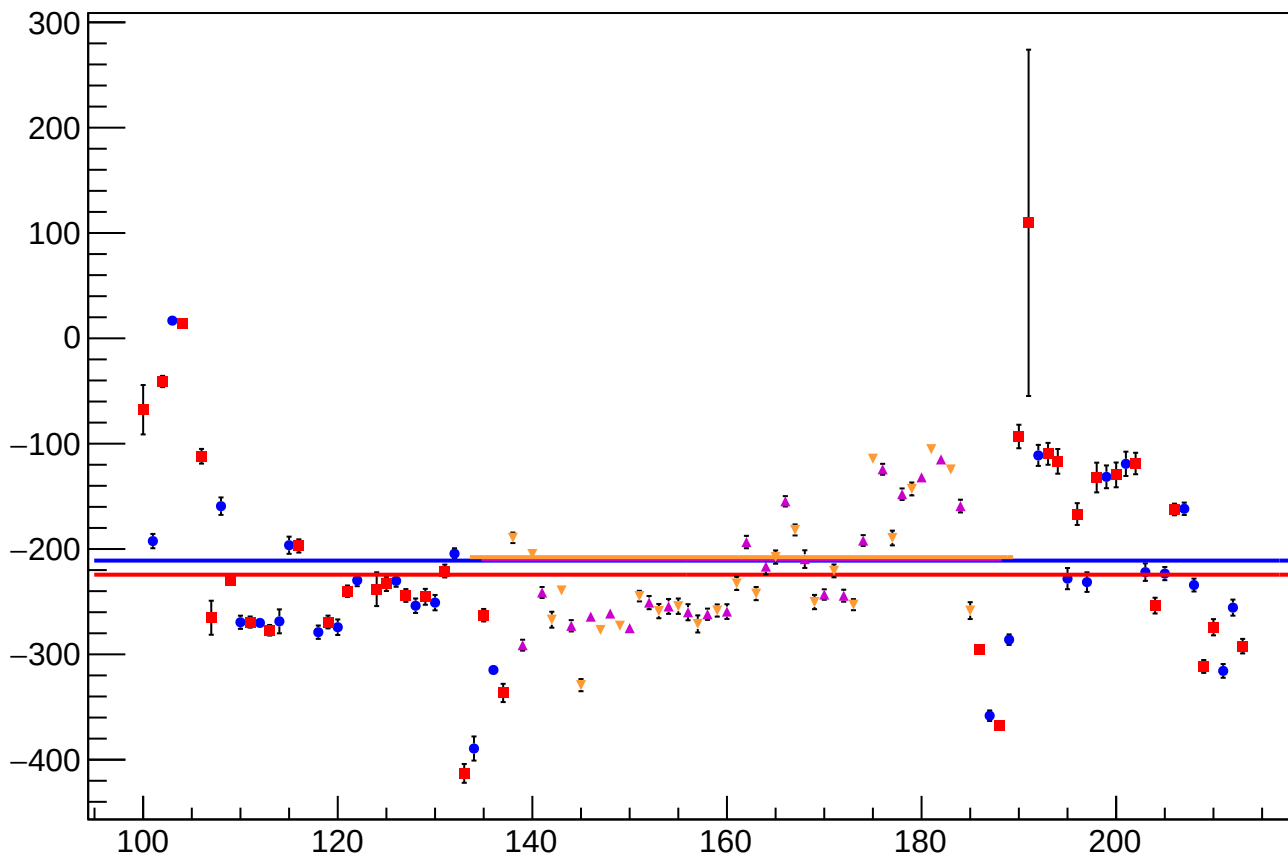
Left In: 6.444 ± 0.015 $\chi^2/\text{NDF}: 729692.1/22$

+ sign 2.150 ± 0.014 $\chi^2/\text{NDF}: 1652895.8/53$

All: 2.874 ± 0.010 $\chi^2/\text{NDF}: 2883341.9/110$

- sign 3.604 ± 0.014 $\chi^2/\text{NDF}: 1225065.1/56$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -210.996 ± 1.146 χ^2/NDF : 9120.9/28

Left Out: -207.745 ± 1.070 χ^2/NDF : 3487.2/24

Right Out: -224.368 ± 1.050 χ^2/NDF : 12664.1/33

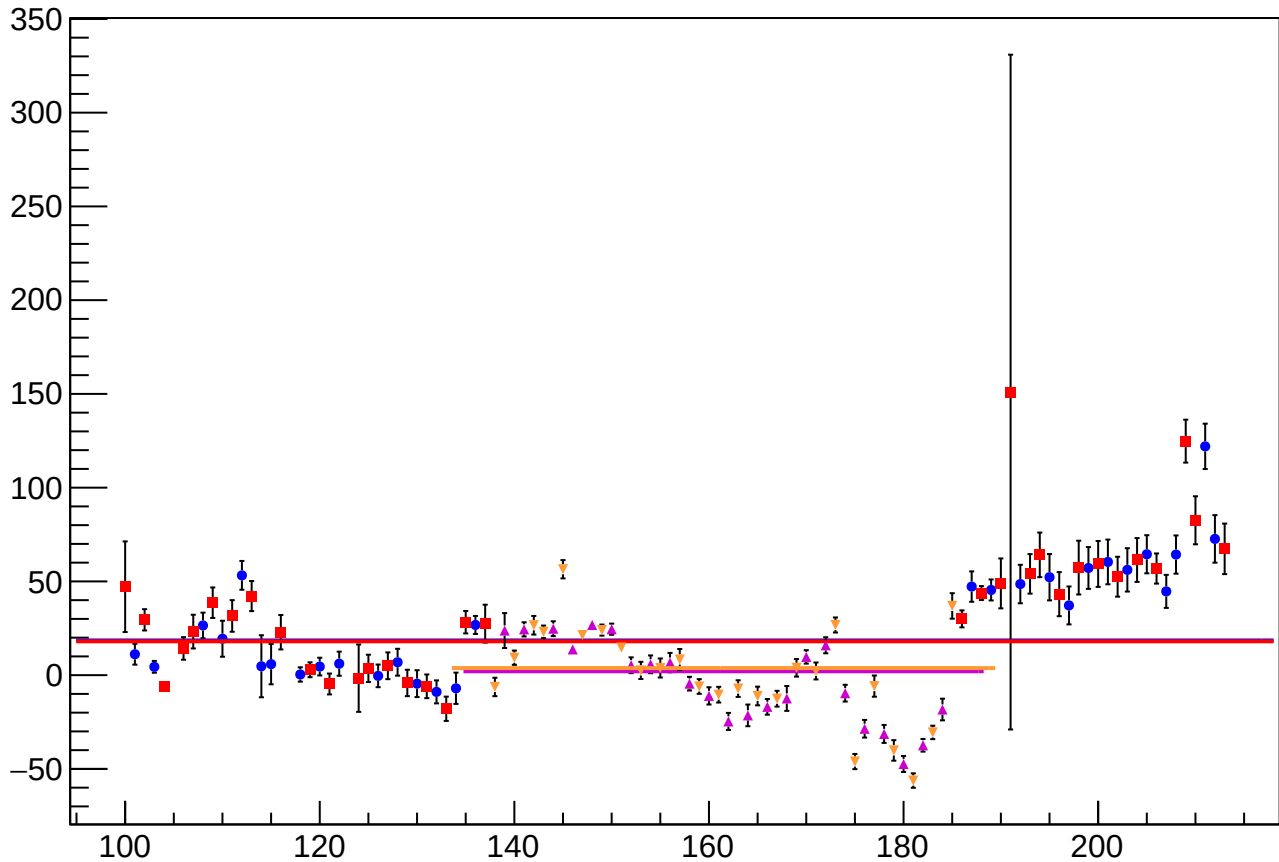
Left In: -209.875 ± 1.101 χ^2/NDF : 3011.9/22

+ sign -209.258 ± 0.782 χ^2/NDF : 12612.3/53

All: -213.481 ± 0.545 χ^2/NDF : 28435.7/110

- sign -217.467 ± 0.760 χ^2/NDF : 15766.7/56

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.493 ± 1.266 $\chi^2/\text{NDF}: 366.9/28$

Left Out: 3.770 ± 0.787 $\chi^2/\text{NDF}: 972.1/24$

Right Out: 18.057 ± 1.149 $\chi^2/\text{NDF}: 508.1/33$

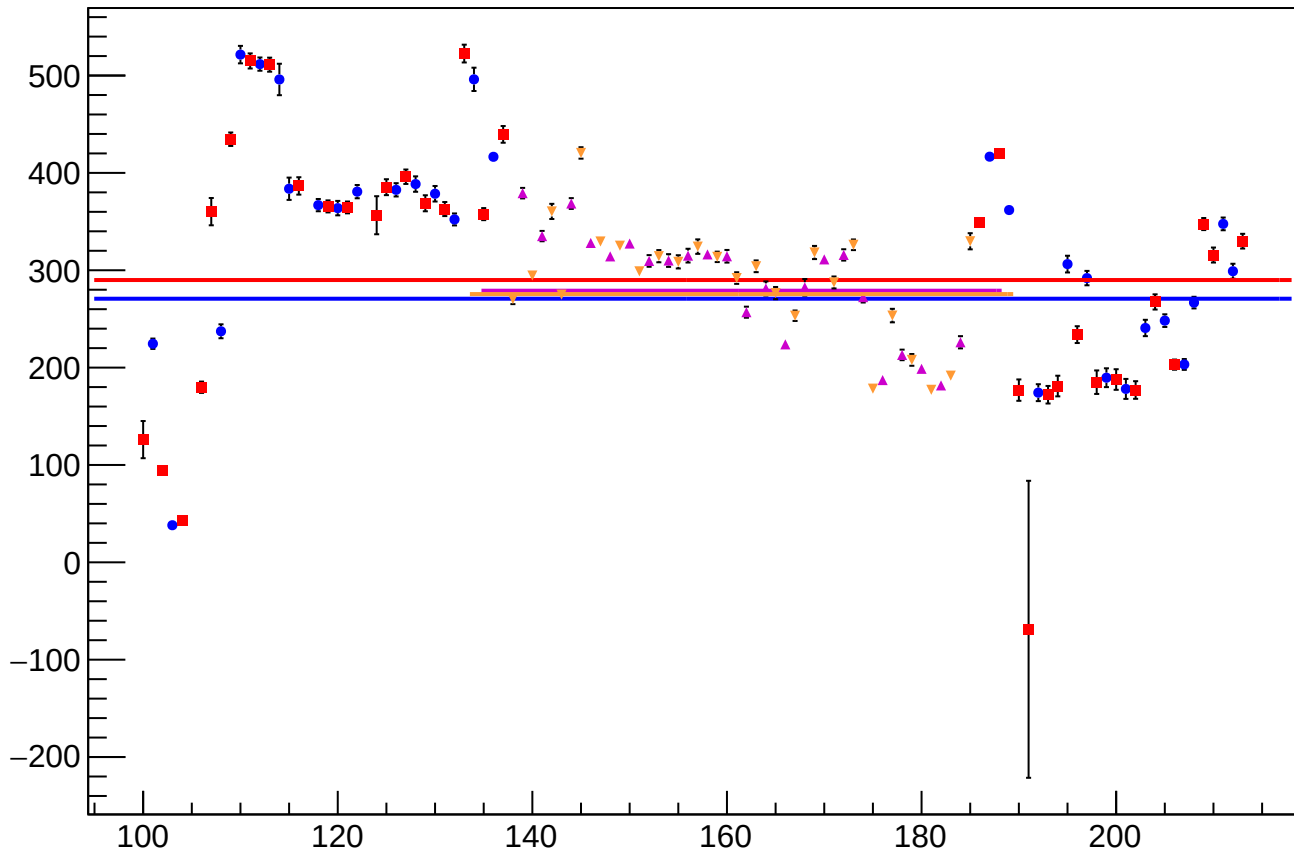
Left In: 2.079 ± 0.820 $\chi^2/\text{NDF}: 770.2/22$

+ sign 7.877 ± 0.668 $\chi^2/\text{NDF}: 1436.5/53$

All: 7.675 ± 0.472 $\chi^2/\text{NDF}: 2843.2/110$

- sign 7.473 ± 0.667 $\chi^2/\text{NDF}: 1406.4/56$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 270.758 $\pm$ 1.107 χ^2 /NDF: 17906.2/28

Left Out: 275.536 $\pm$ 1.062 χ^2 /NDF:3323.1/24

Right Out: 289.952 $\pm$ 0.989 χ^2 /NDF: 22291.1/33

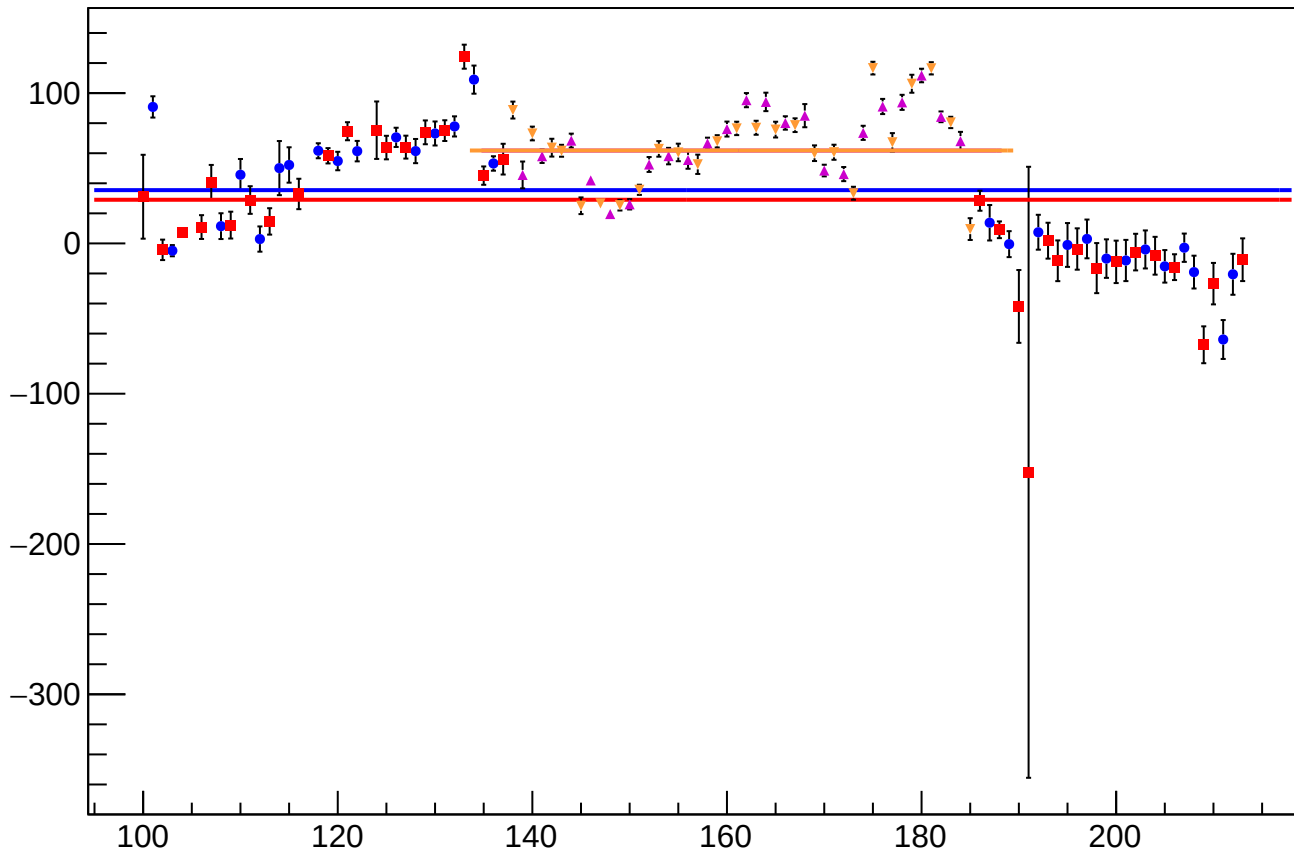
Left In: 278.989 $\pm$ 1.089 χ^2 /NDF:3114.7/22

+ sign 273.246 $\pm$ 0.766 χ^2 /NDF: 21239.0/53

All: 279.389 $\pm$ 0.529 χ^2 /NDF: 46823.2/110

- sign 284.995 $\pm$ 0.732 χ^2 /NDF: 25461.3/56

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 35.447 ± 1.482 χ^2/NDF : 647.0/28

Left Out: 61.818 ± 0.907 χ^2/NDF : 959.5/24

Right Out: 29.041 ± 1.388 χ^2/NDF : 644.7/33

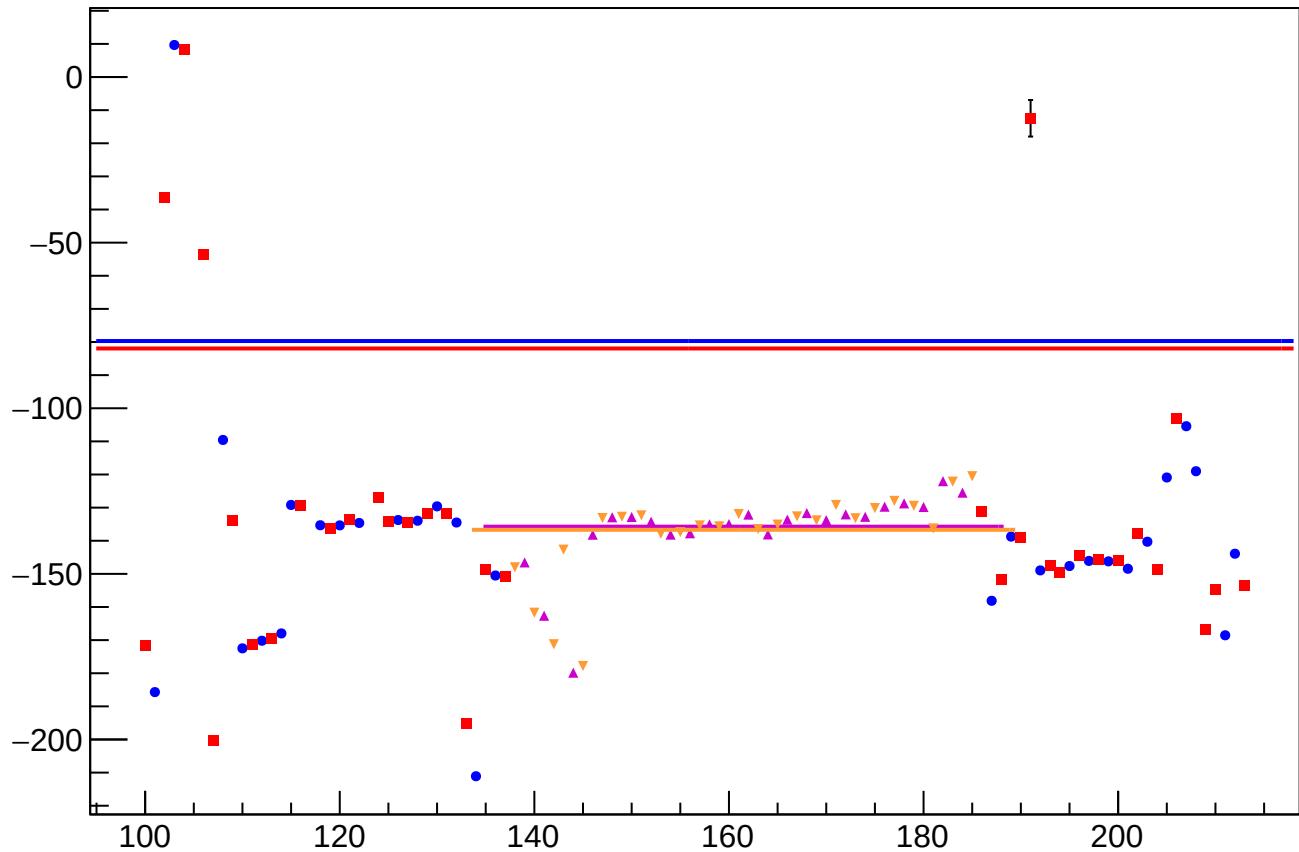
Left In: 61.763 ± 0.939 χ^2/NDF : 736.0/22

+ sign 54.624 ± 0.774 χ^2/NDF : 1836.8/53

All: 53.066 ± 0.549 χ^2/NDF : 3607.0/110

- sign 51.494 ± 0.778 χ^2/NDF : 1762.1/56

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -79.700 ± 0.062 $\chi^2/\text{NDF}: 1557738.5/28$

Left Out: -136.695 ± 0.042 $\chi^2/\text{NDF}: 79006.9/24$

Right Out: -81.950 ± 0.062 $\chi^2/\text{NDF}: 1262681.2/33$

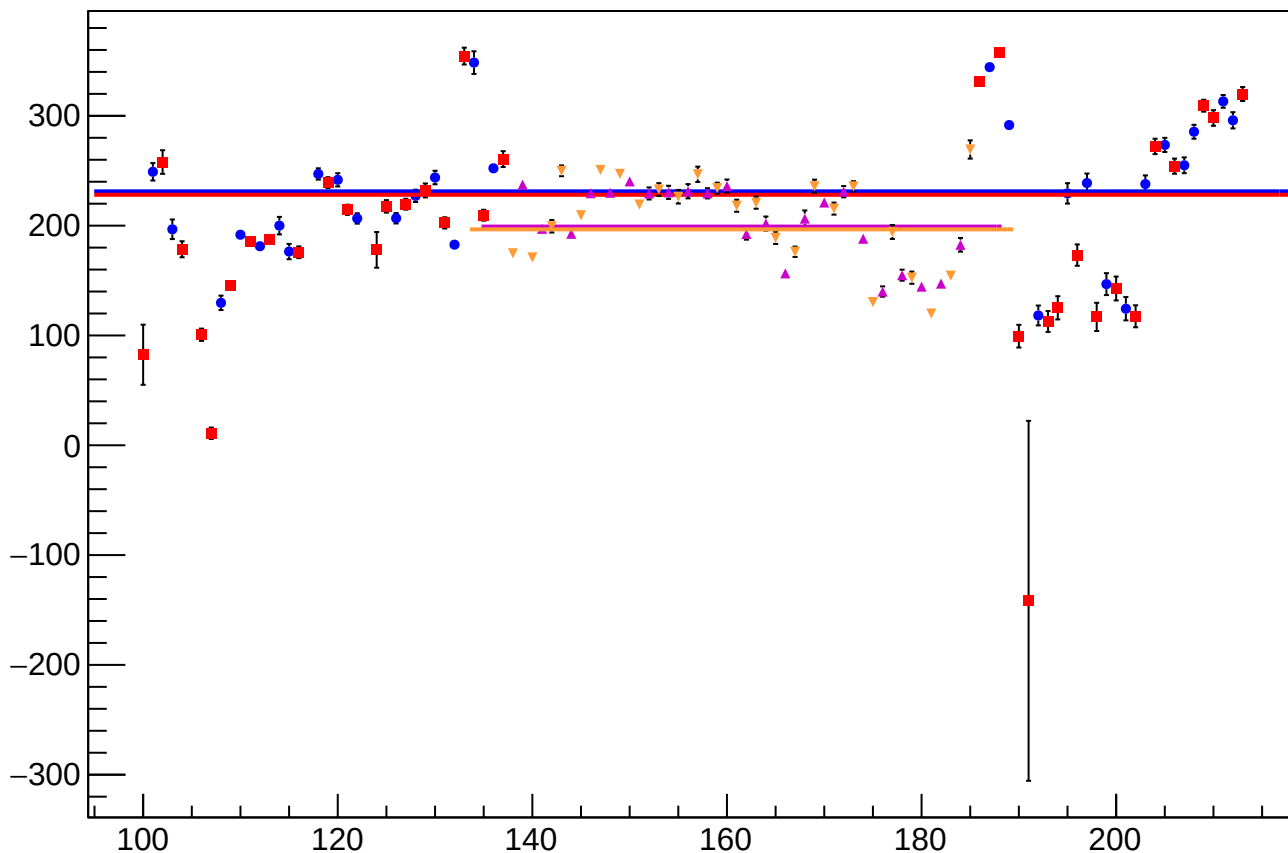
Left In: -135.745 ± 0.043 $\chi^2/\text{NDF}: 63681.9/22$

+ sign -118.784 ± 0.035 $\chi^2/\text{NDF}: 2208688.3/53$

All: -118.677 ± 0.025 $\chi^2/\text{NDF}: 4039429.3/11$

- sign -118.567 ± 0.035 $\chi^2/\text{NDF}: 1830722.0/56$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 231.238 ± 1.065 χ^2/NDF : 2563.6/28

Left Out: 196.615 ± 0.946 χ^2/NDF : 2075.5/24

Right Out: 228.104 ± 0.943 χ^2/NDF : 8734.7/33

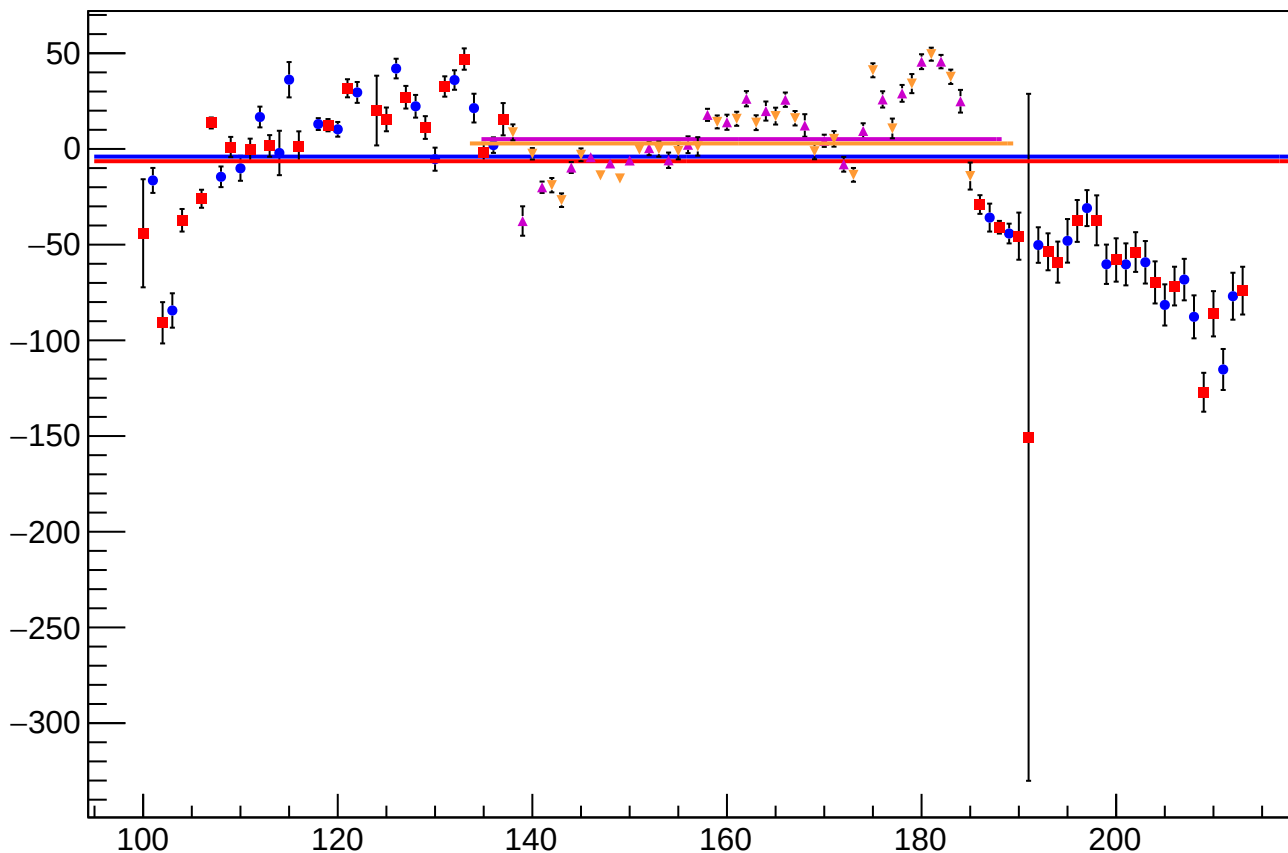
Left In: 199.153 ± 0.973 χ^2/NDF : 1294.6/22

+ sign 211.886 ± 0.707 χ^2/NDF : 5229.4/53

All: 213.031 ± 0.489 χ^2/NDF : 15720.4/110

- sign 214.079 ± 0.677 χ^2/NDF : 10485.9/56

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.004 ± 1.182 χ^2/NDF : 873.3/28

Left Out: 2.870 ± 0.693 χ^2/NDF : 752.8/24

Right Out: -6.414 ± 1.055 χ^2/NDF : 1004.8/33

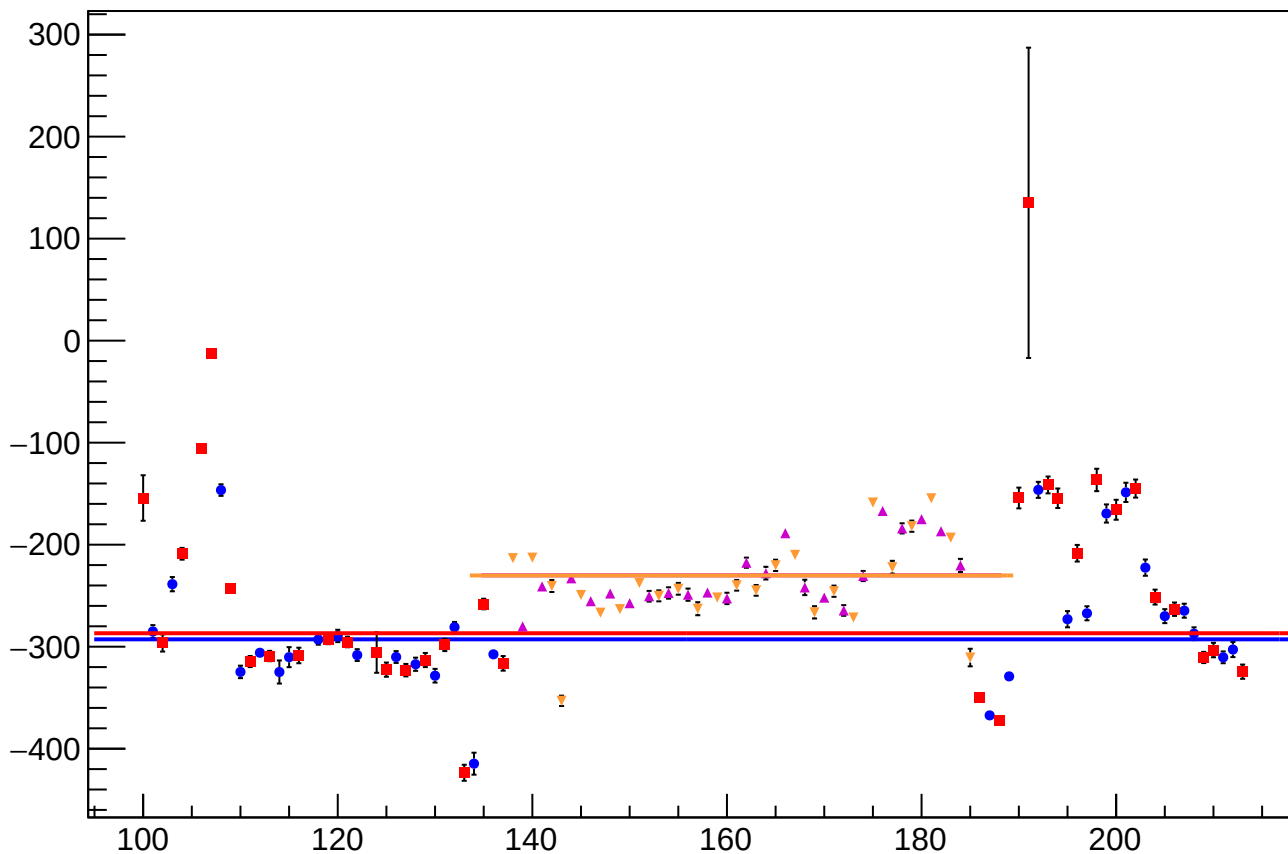
Left In: 5.126 ± 0.718 χ^2/NDF : 628.6/22

+ sign 1.111 ± 0.598 χ^2/NDF : 1651.3/53

All: 1.294 ± 0.421 χ^2/NDF : 3366.6/110

- sign 1.474 ± 0.594 χ^2/NDF : 1715.1/56

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.787 ± 1.108 χ^2/NDF : 2390.9/28

Left Out: -230.182 ± 0.939 χ^2/NDF : 2181.9/24

Right Out: -286.818 ± 0.952 χ^2/NDF : 9974.8/33

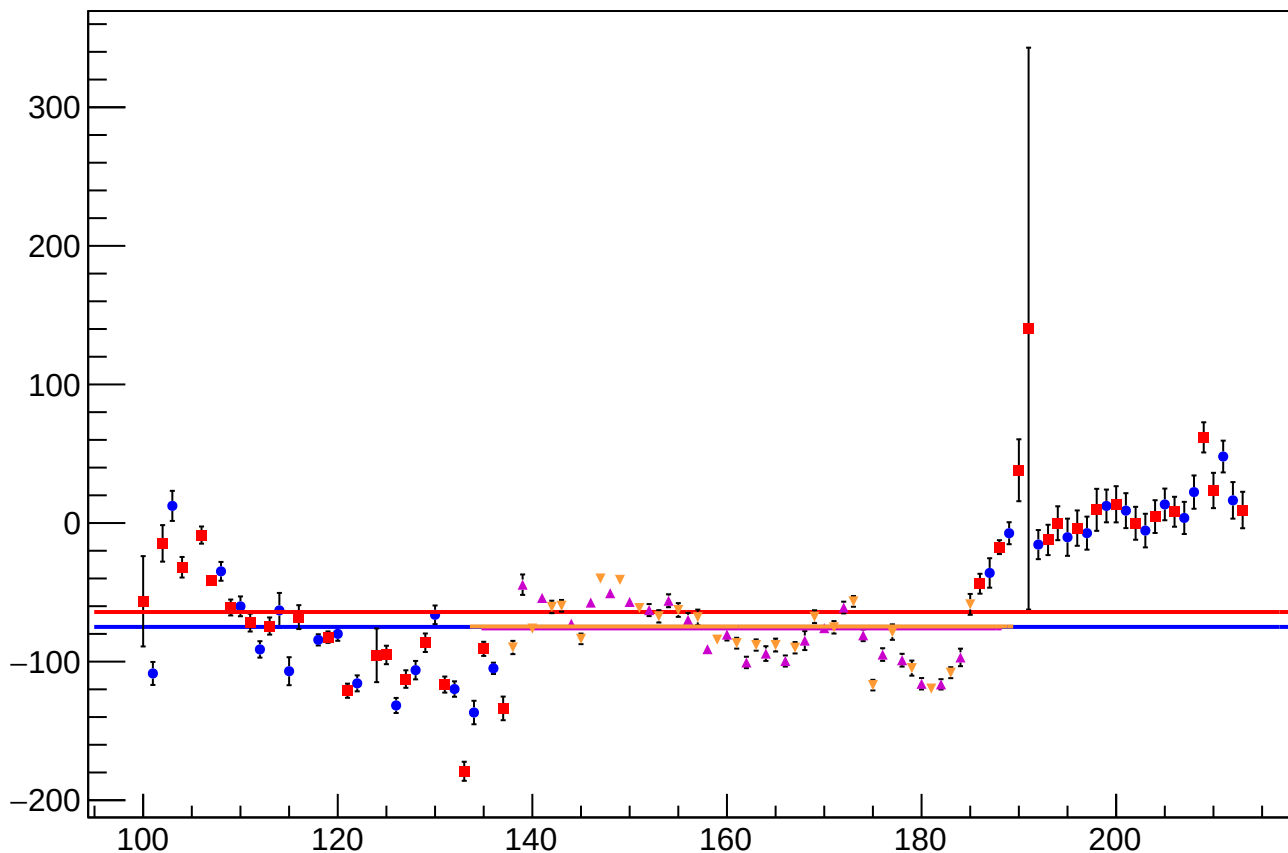
Left In: -230.047 ± 0.961 χ^2/NDF : 1094.0/22

+ sign -256.361 ± 0.716 χ^2/NDF : 6431.7/53

All: -257.591 ± 0.492 χ^2/NDF : 19266.8/110

- sign -258.688 ± 0.676 χ^2/NDF : 12829.6/56

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -74.963 ± 1.378 $\chi^2/\text{NDF}: 1138.5/28$

Left Out: -74.644 ± 0.801 $\chi^2/\text{NDF}: 831.0/24$

Right Out: -64.203 ± 1.261 $\chi^2/\text{NDF}: 1417.5/33$

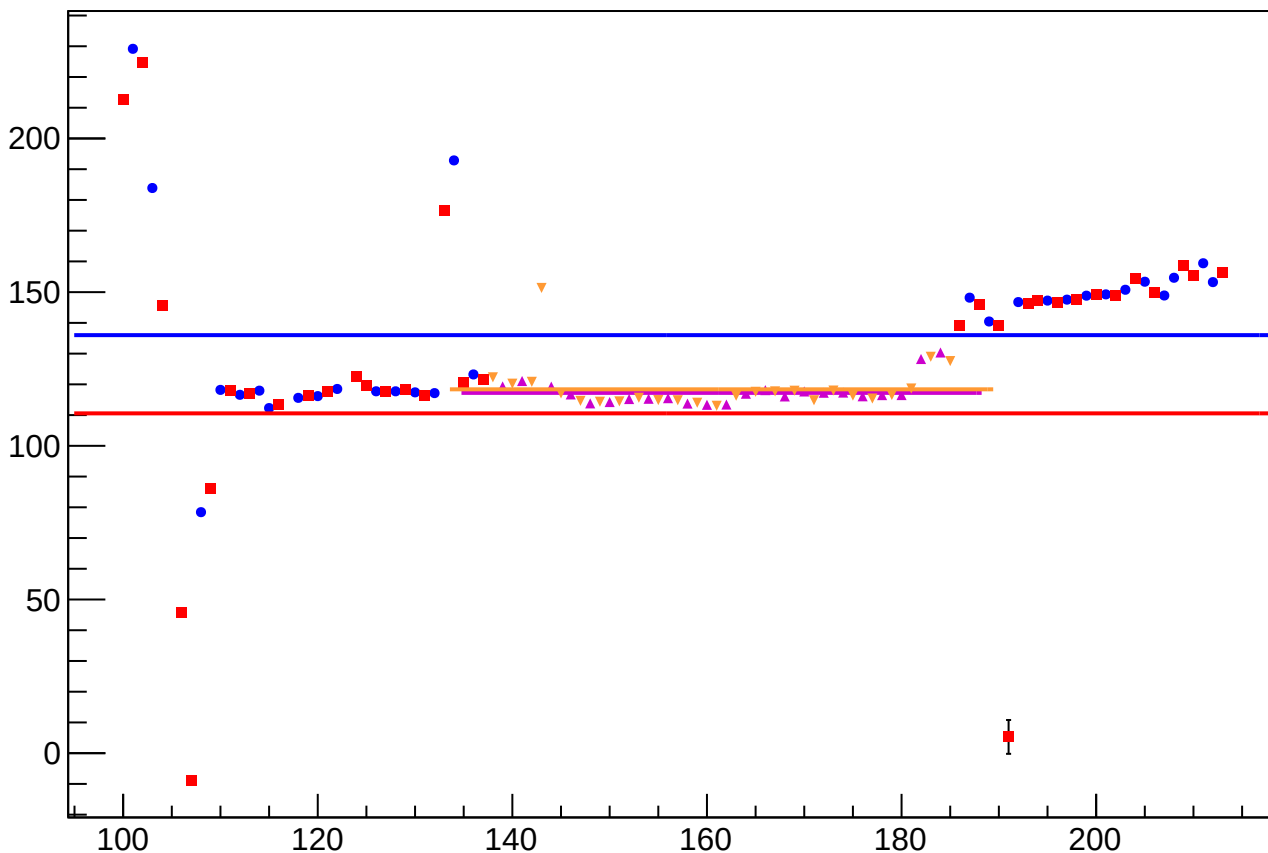
Left In: -76.025 ± 0.824 $\chi^2/\text{NDF}: 646.0/22$

+ sign -74.725 ± 0.692 $\chi^2/\text{NDF}: 1969.6/53$

All: -73.601 ± 0.489 $\chi^2/\text{NDF}: 4100.0/110$

- sign -72.486 ± 0.690 $\chi^2/\text{NDF}: 2125.2/56$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.012 $\pm$ 0.071 χ^2 /NDF: 203336.7/28

Left Out: 118.382 $\pm$ 0.037 χ^2 /NDF: 34938.1/24

Right Out: 110.561 $\pm$ 0.064 χ^2 /NDF: 781647.0/33

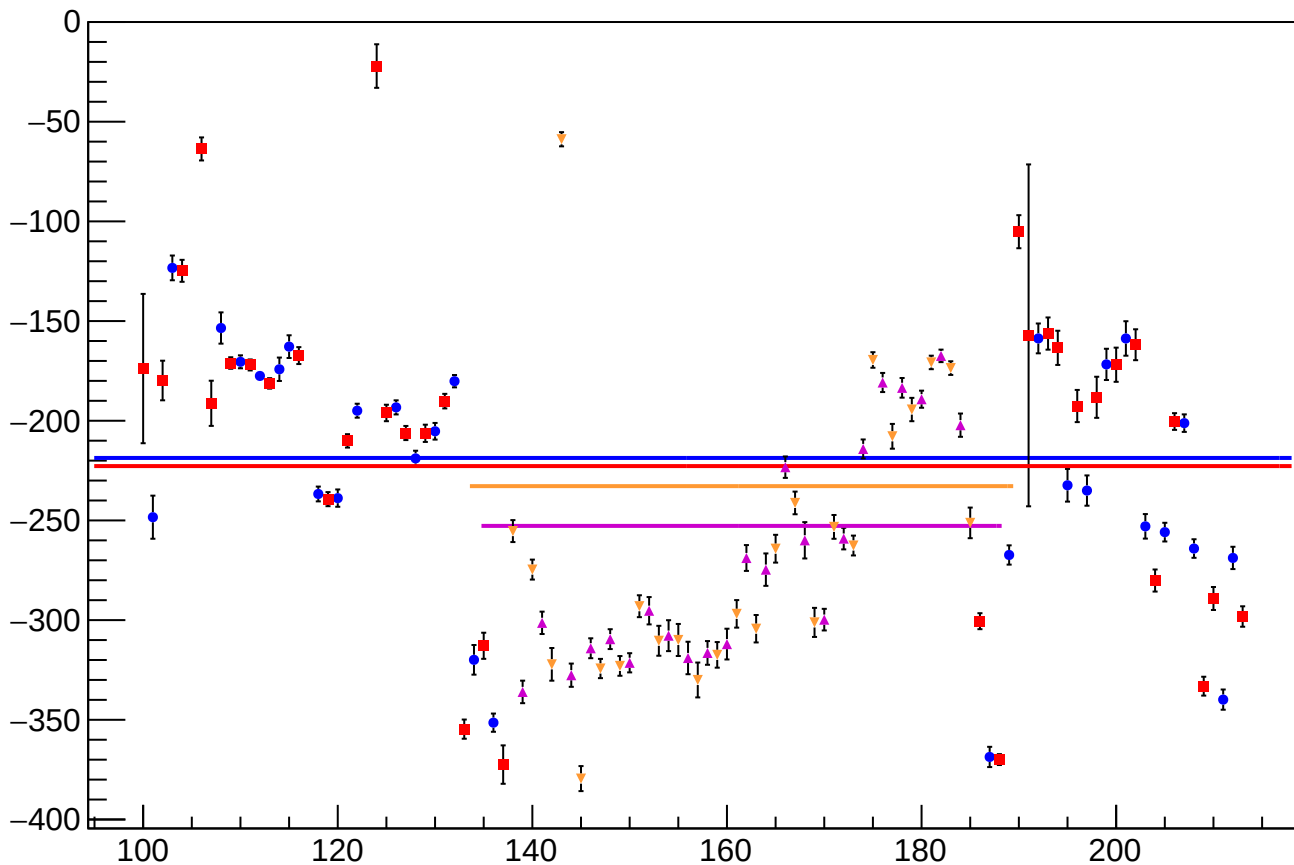
Left In: 117.225 $\pm$ 0.038 χ^2 /NDF: 10227.9/22

+ sign 122.167 $\pm$ 0.033 χ^2 /NDF: 286301.8/53

All: 118.791 $\pm$ 0.023 χ^2 /NDF: 1106702.4/110

- sign 115.530 $\pm$ 0.032 χ^2 /NDF: 799866.2/56

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -218.656 +/- 0.859 χ^2/NDF : 4290.6/28

Left Out: -232.800 +/- 1.072 χ^2/NDF : 5764.0/24

Right Out: -222.740 +/- 0.803 χ^2/NDF : 8640.1/33

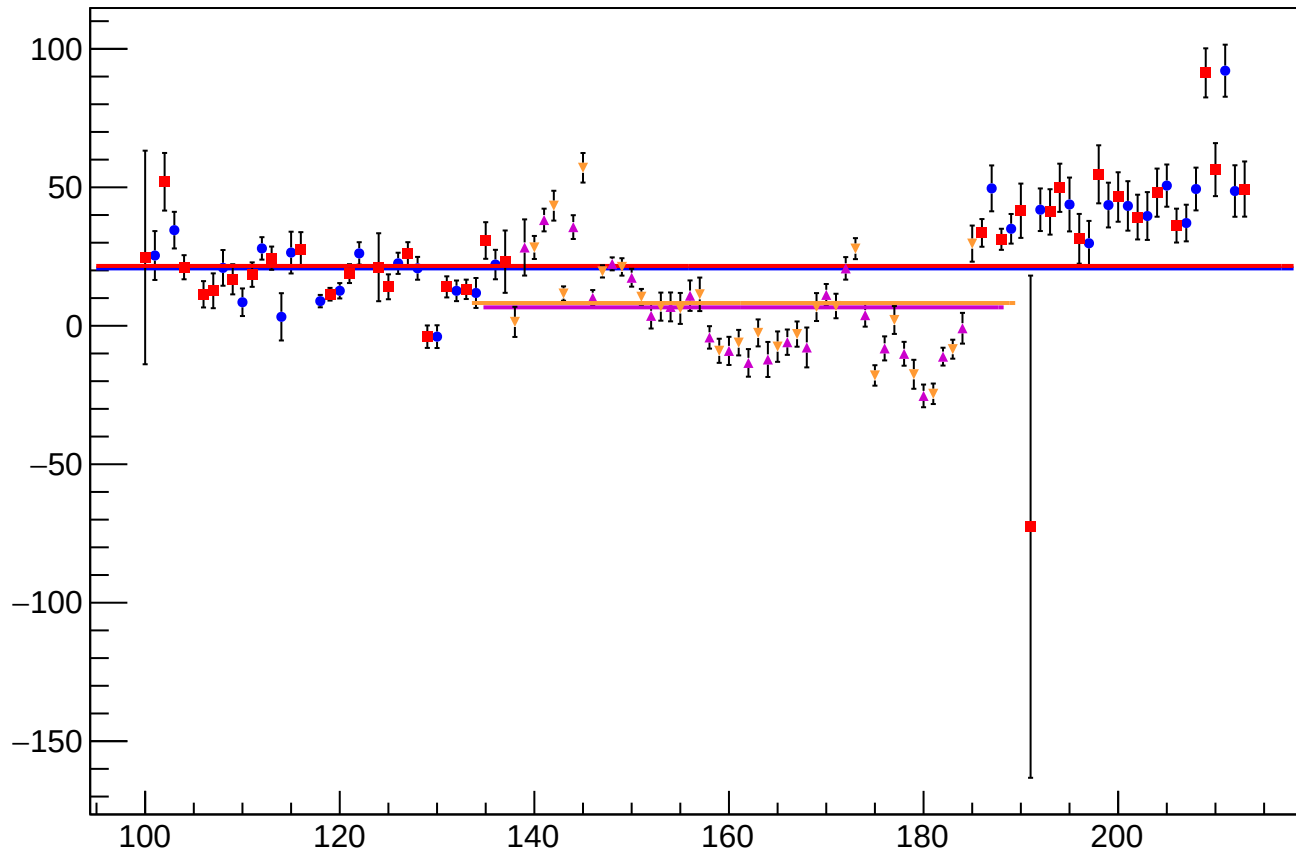
Left In: -252.738 +/- 1.131 χ^2/NDF : 2913.9/22

+ sign -224.186 +/- 0.670 χ^2/NDF : 10160.6/53

All: -228.592 +/- 0.468 χ^2/NDF : 22266.8/110

- sign -232.796 +/- 0.655 χ^2/NDF : 12021.8/56

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.719 ± 0.943 χ^2/NDF : 255.3/28

Left Out: 8.222 ± 0.803 χ^2/NDF : 457.9/24

Right Out: 21.612 ± 0.913 χ^2/NDF : 248.6/33

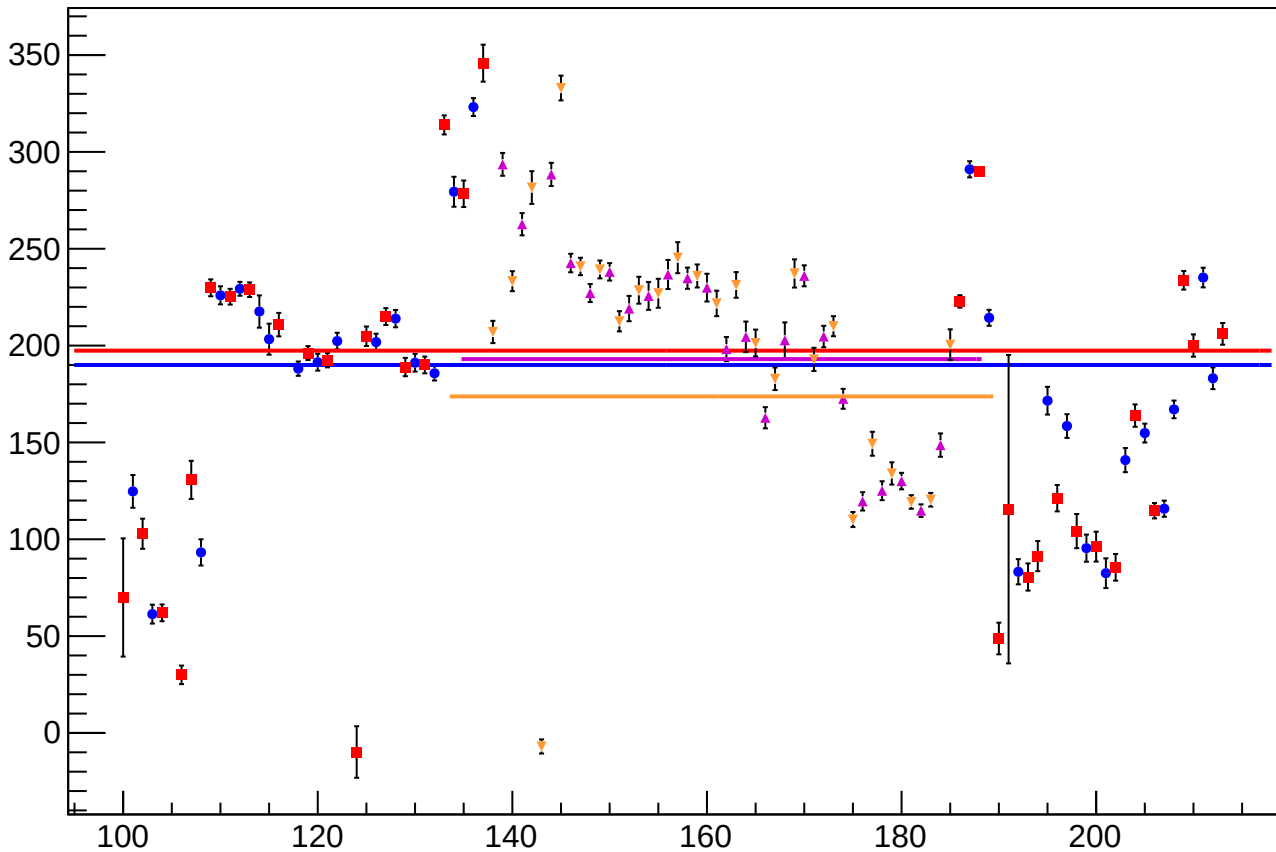
Left In: 6.657 ± 0.858 χ^2/NDF : 354.8/22

+ sign 13.473 ± 0.611 χ^2/NDF : 815.1/53

All: 13.573 ± 0.437 χ^2/NDF : 1561.0/110

- sign 13.677 ± 0.625 χ^2/NDF : 745.9/56

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 189.990 ± 0.926 χ^2/NDF : 4003.9/28

Left Out: 173.752 ± 1.069 χ^2/NDF : 5260.7/24

Right Out: 197.383 ± 0.851 χ^2/NDF : 7612.0/33

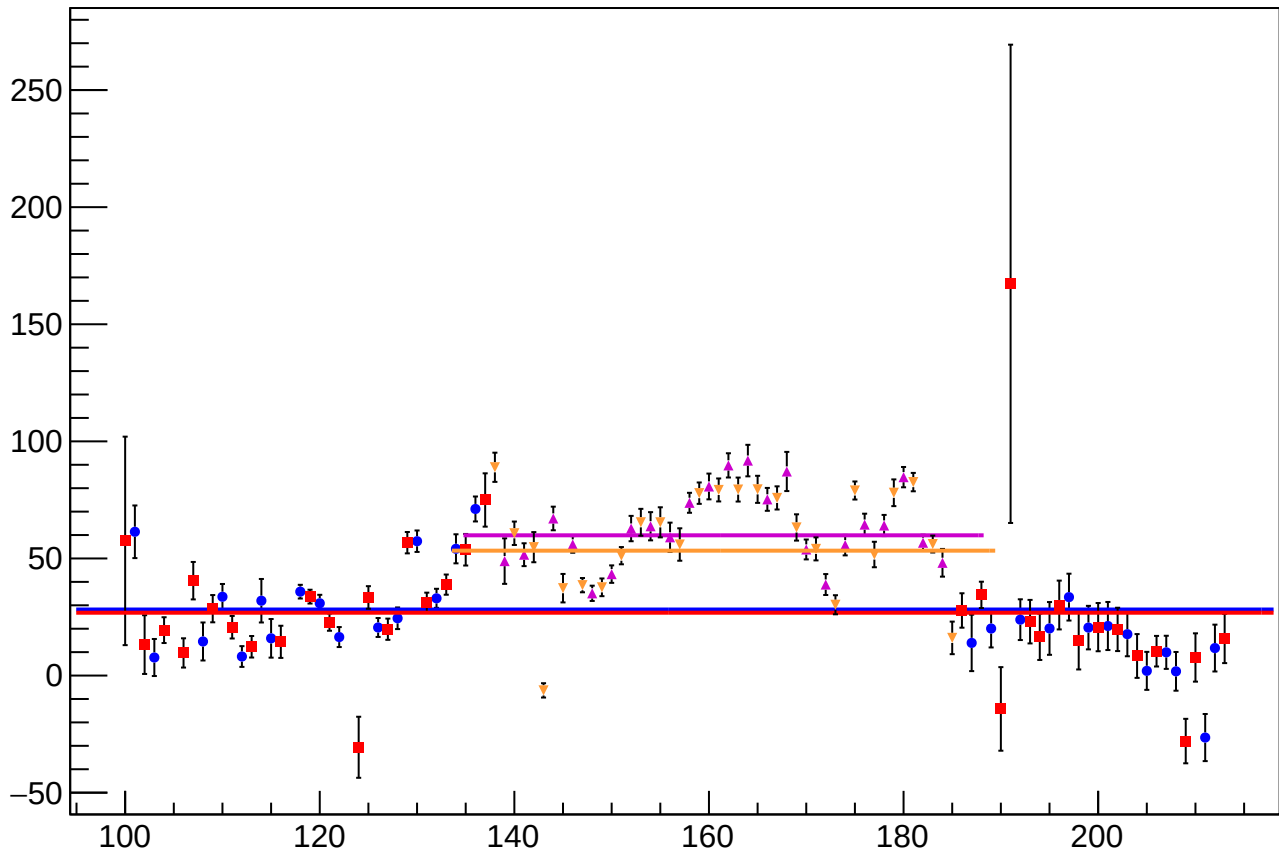
Left In: 193.026 ± 1.122 χ^2/NDF : 2512.0/22

+ sign 183.027 ± 0.700 χ^2/NDF : 9396.6/53

All: 189.612 ± 0.487 χ^2/NDF : 19701.8/110

- sign 195.792 ± 0.678 χ^2/NDF : 10133.6/56

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.201 $\pm$ 1.097 χ^2 /NDF: 251.1/28

Left Out: 53.331 $\pm$ 0.922 χ^2 /NDF: 778.9/24

Right Out: 26.836 $\pm$ 1.069 χ^2 /NDF: 205.3/33

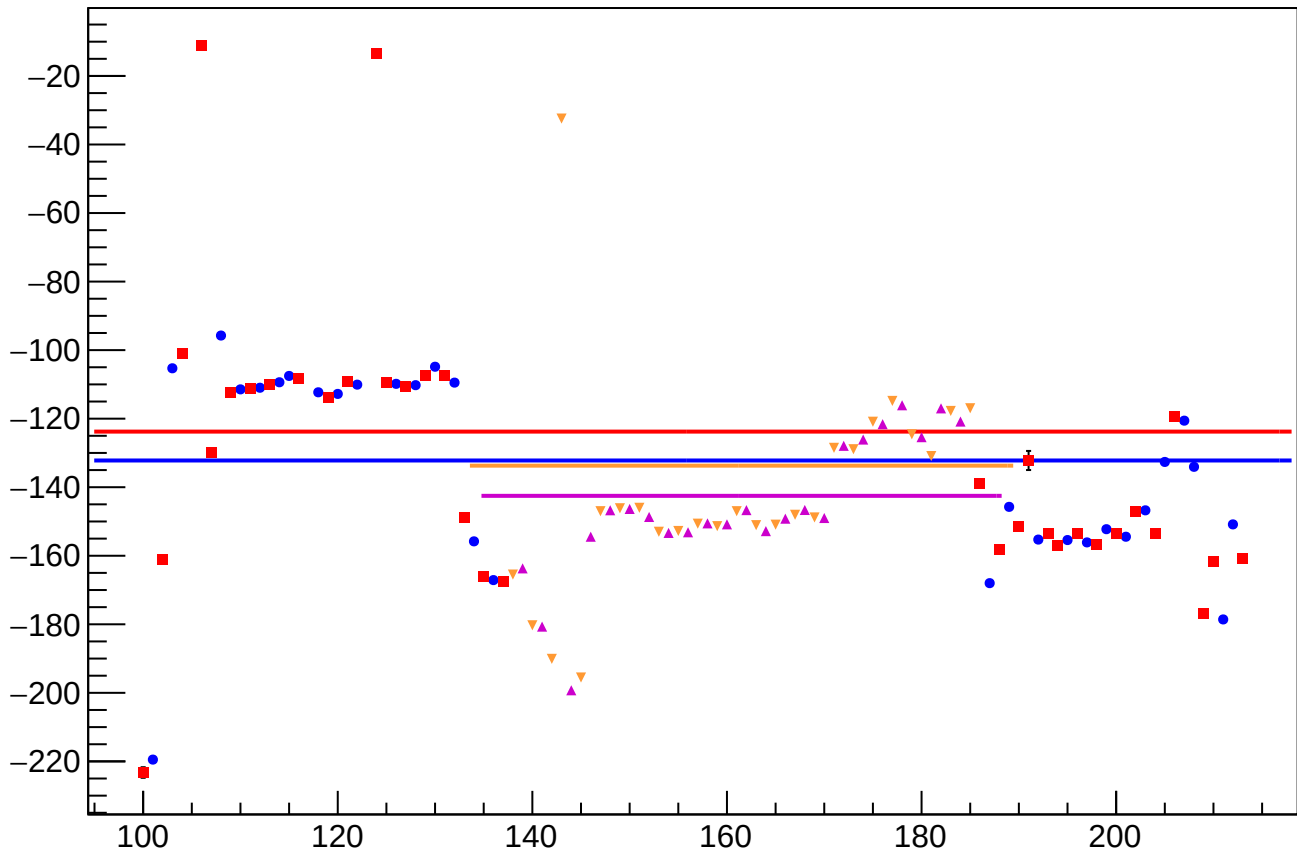
Left In: 59.887 $\pm$ 0.977 χ^2 /NDF: 251.2/22

+ sign 42.932 $\pm$ 0.706 χ^2 /NDF: 1337.6/53

All: 43.870 $\pm$ 0.504 χ^2 /NDF: 2318.6/110

- sign 44.849 $\pm$ 0.721 χ^2 /NDF: 977.4/56

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -132.202+/-0.060 χ^2/NDF : 186442.1/28

Left Out: -133.709+/-0.043 χ^2/NDF : 675925.6/24

Right Out: -123.774+/-0.058 χ^2/NDF : 522565.3/33

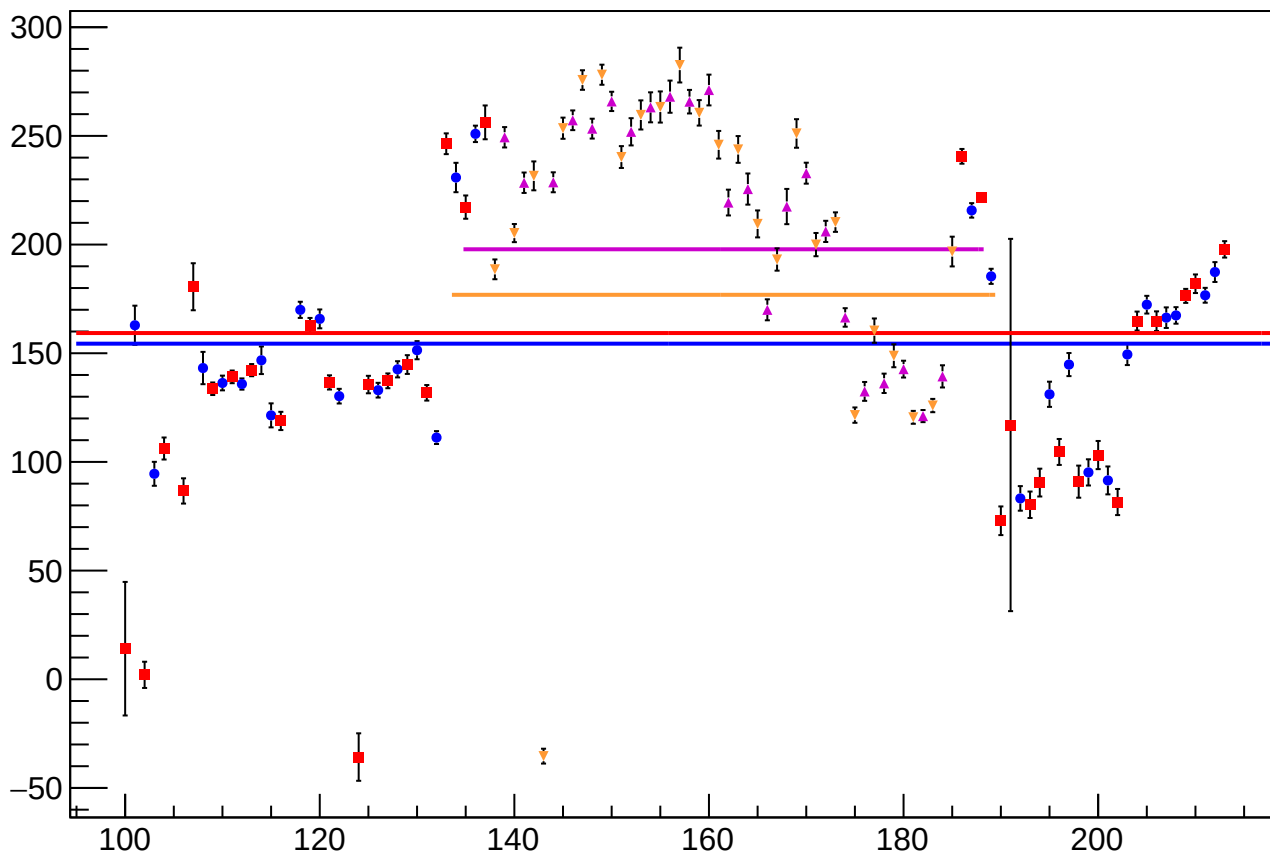
Left In: -142.518+/-0.044 χ^2/NDF : 178481.1/22

+ sign -133.203+/-0.035 χ^2/NDF : 862783.4/53

All: -134.355+/-0.025 χ^2/NDF : 1632471.8/11

- sign -135.525+/-0.035 χ^2/NDF : 767492.6/56

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 154.403 ± 0.775 χ^2/NDF : 2278.9/28

Left Out: 176.884 ± 0.958 χ^2/NDF : 7424.8/24

Right Out: 159.295 ± 0.710 χ^2/NDF : 5180.5/33

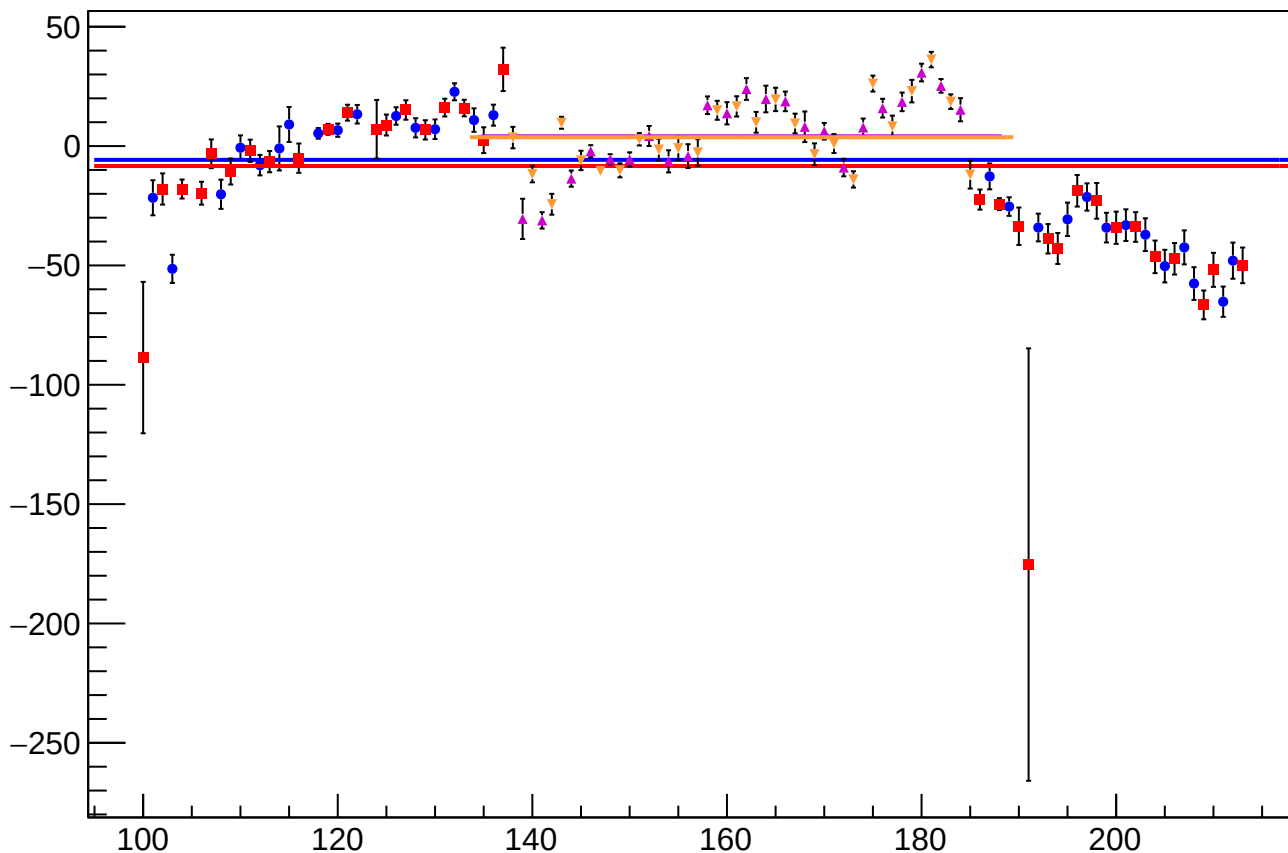
Left In: 197.829 ± 1.006 χ^2/NDF : 2968.0/22

+ sign 163.304 ± 0.603 χ^2/NDF : 10036.6/53

All: 167.873 ± 0.418 χ^2/NDF : 19274.9/110

- sign 172.111 ± 0.580 χ^2/NDF : 9127.4/56

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.769 ± 0.872 χ^2/NDF : 658.6/28

Left Out: 3.708 ± 0.723 χ^2/NDF : 400.9/24

Right Out: -8.341 ± 0.829 χ^2/NDF : 676.3/33

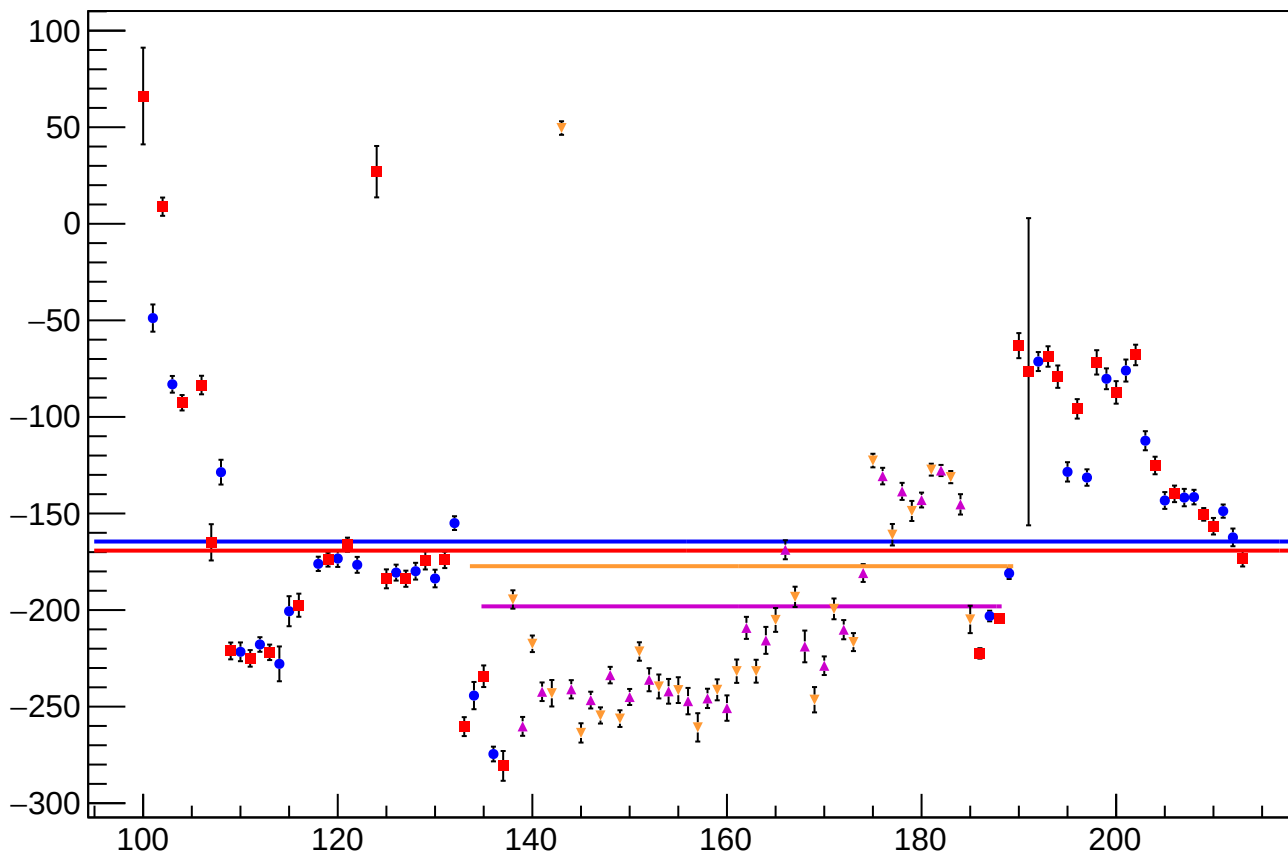
Left In: 4.102 ± 0.769 χ^2/NDF : 398.9/22

+ sign -0.155 ± 0.557 χ^2/NDF : 1129.5/53

All: -0.896 ± 0.396 χ^2/NDF : 2329.5/110

- sign -1.655 ± 0.564 χ^2/NDF : 1196.4/56

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.512 ± 0.803 χ^2/NDF : 3505.6/28

Left Out: -177.283 ± 0.956 χ^2/NDF : 7040.0/24

Right Out: -169.223 ± 0.714 χ^2/NDF : 6693.5/33

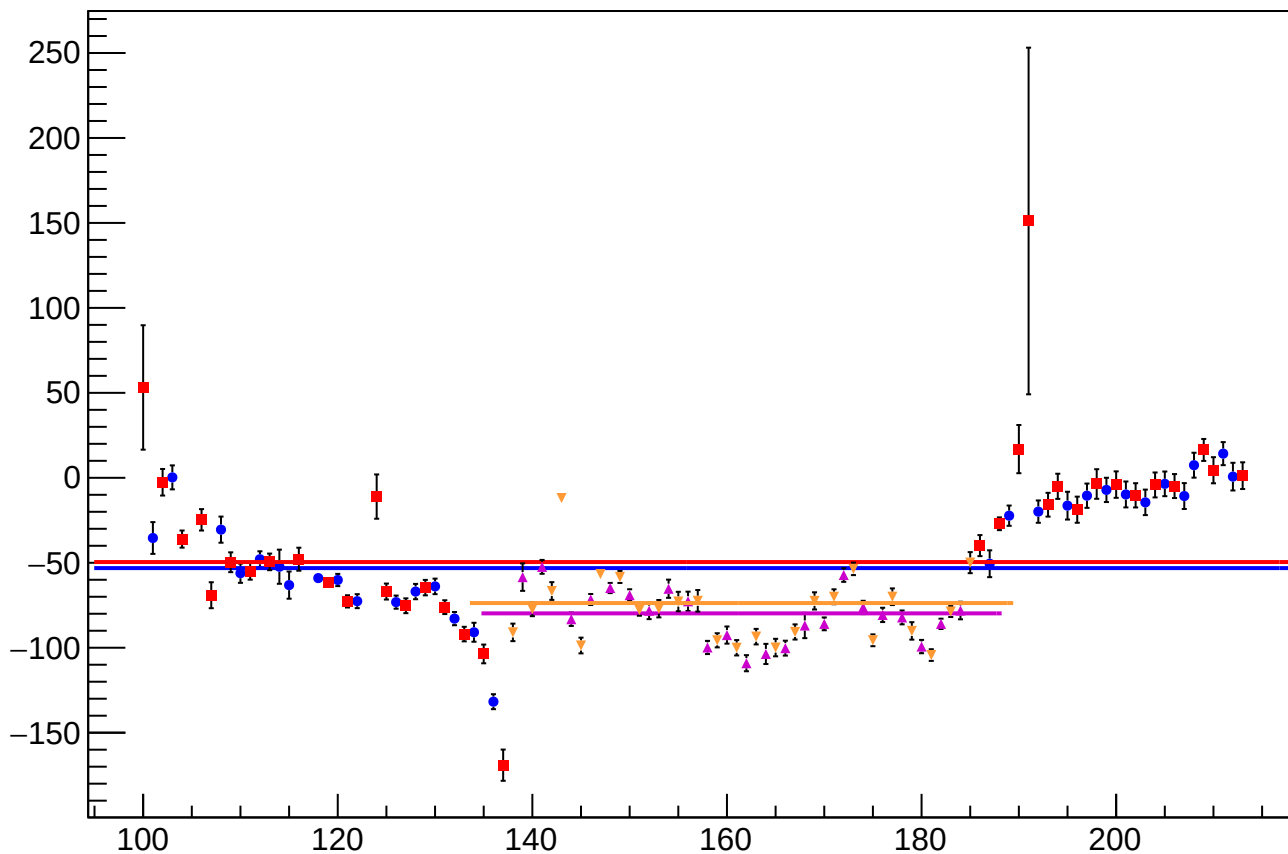
Left In: -198.088 ± 1.000 χ^2/NDF : 2386.2/22

+ sign -169.796 ± 0.615 χ^2/NDF : 10650.2/53

All: -174.642 ± 0.422 χ^2/NDF : 20399.3/110

- sign -178.971 ± 0.581 χ^2/NDF : 9631.5/56

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -53.139 ± 1.018 $\chi^2/\text{NDF}: 1063.9/28$

Left Out: -73.706 ± 0.829 $\chi^2/\text{NDF}: 839.6/24$

Right Out: -49.573 ± 0.982 $\chi^2/\text{NDF}: 1112.4/33$

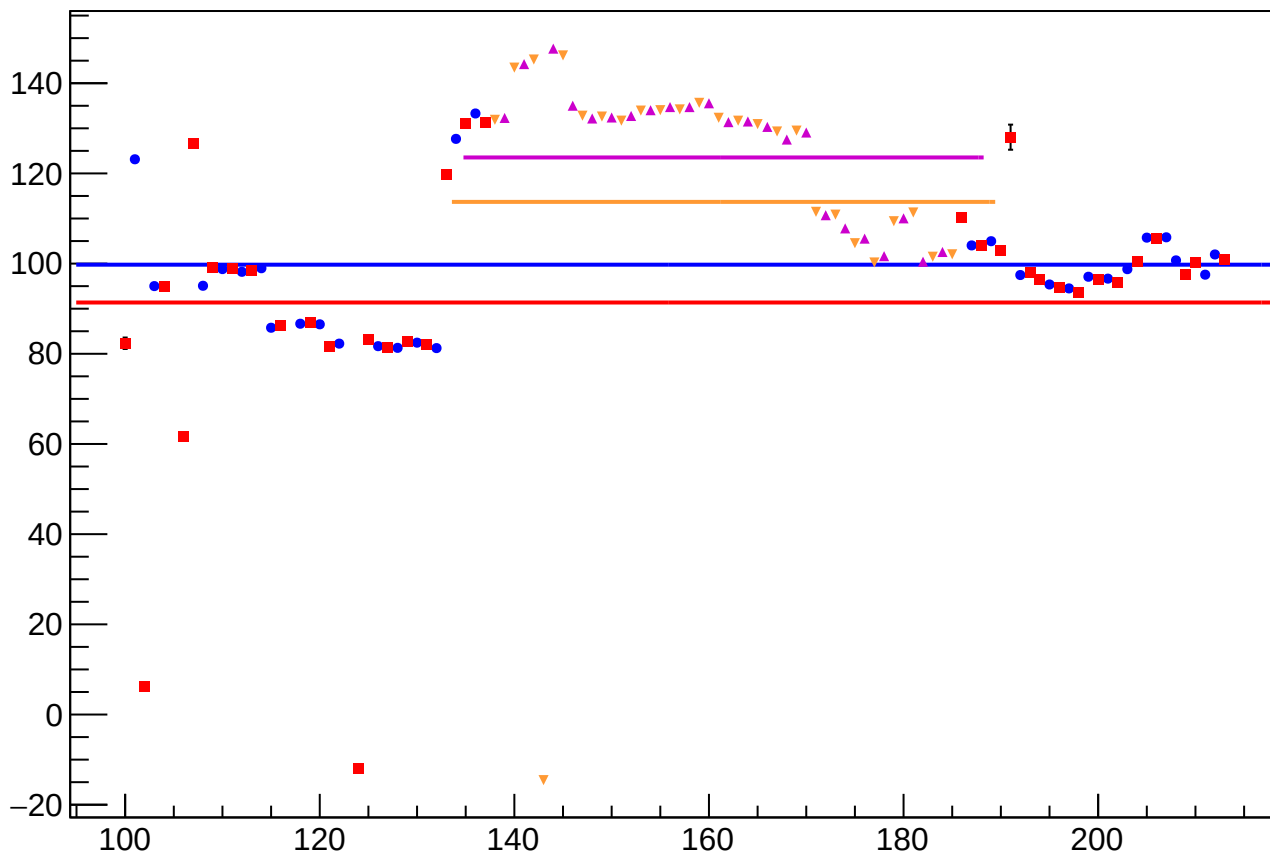
Left In: -79.777 ± 0.874 $\chi^2/\text{NDF}: 277.1/22$

+ sign -65.507 ± 0.643 $\chi^2/\text{NDF}: 2148.9/53$

All: -65.958 ± 0.458 $\chi^2/\text{NDF}: 4067.5/110$

- sign -66.423 ± 0.653 $\chi^2/\text{NDF}: 1917.6/56$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.759 $\pm$ 0.052 χ^2 /NDF: 70135.7/28

Left Out: 113.687 $\pm$ 0.038 χ^2 /NDF: 963156.9/24

Right Out: 91.372 $\pm$ 0.049 χ^2 /NDF: 289470.2/33

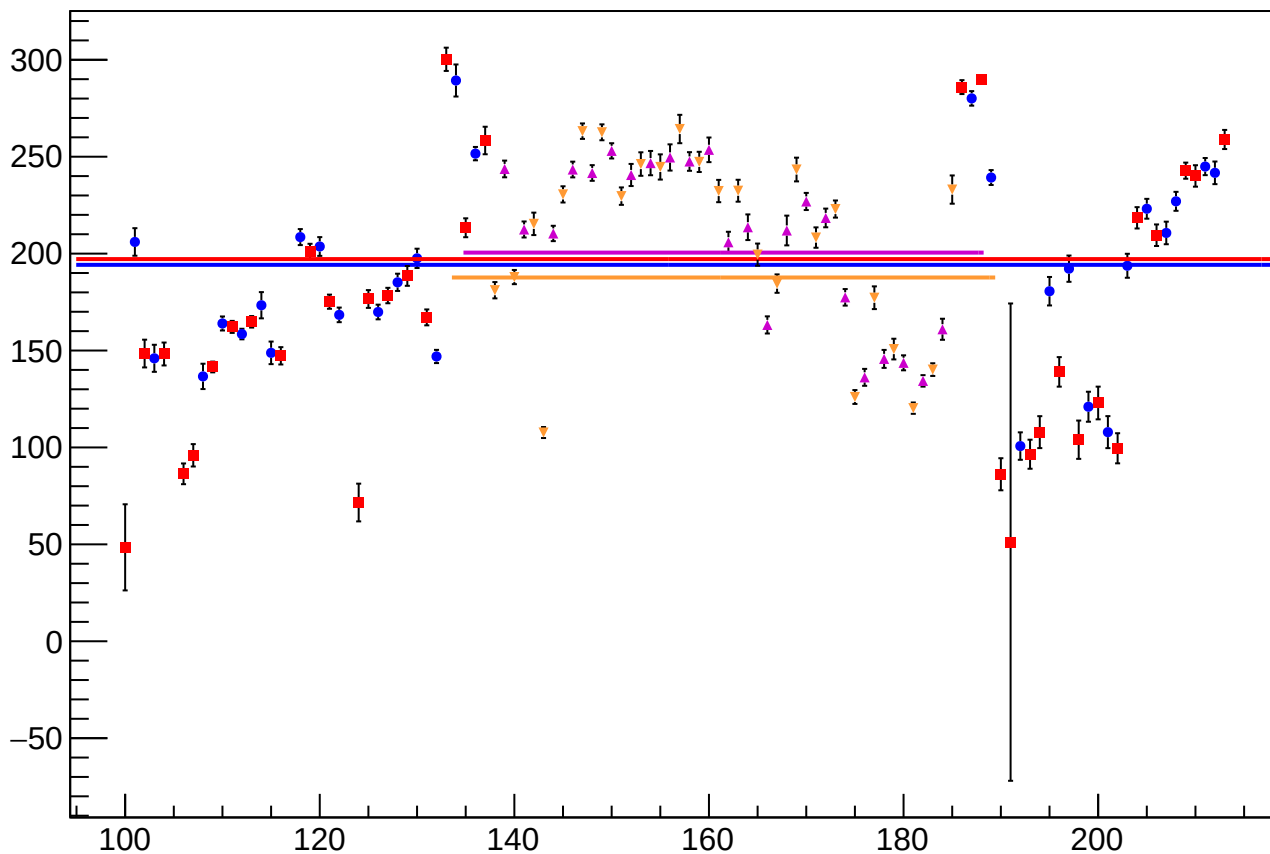
Left In: 123.538 $\pm$ 0.040 χ^2 /NDF: 134613.3/22

+ sign 108.827 $\pm$ 0.031 χ^2 /NDF: 1079294.0/53

All: 109.869 $\pm$ 0.022 χ^2 /NDF: 1764541.8/110

- sign 110.905 $\pm$ 0.031 χ^2 /NDF: 682988.3/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 194.215 $\pm$ 0.881 χ^2 /NDF: 2469.3/28

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 197.179 $\pm$ 0.792 χ^2 /NDF: 6371.3/33

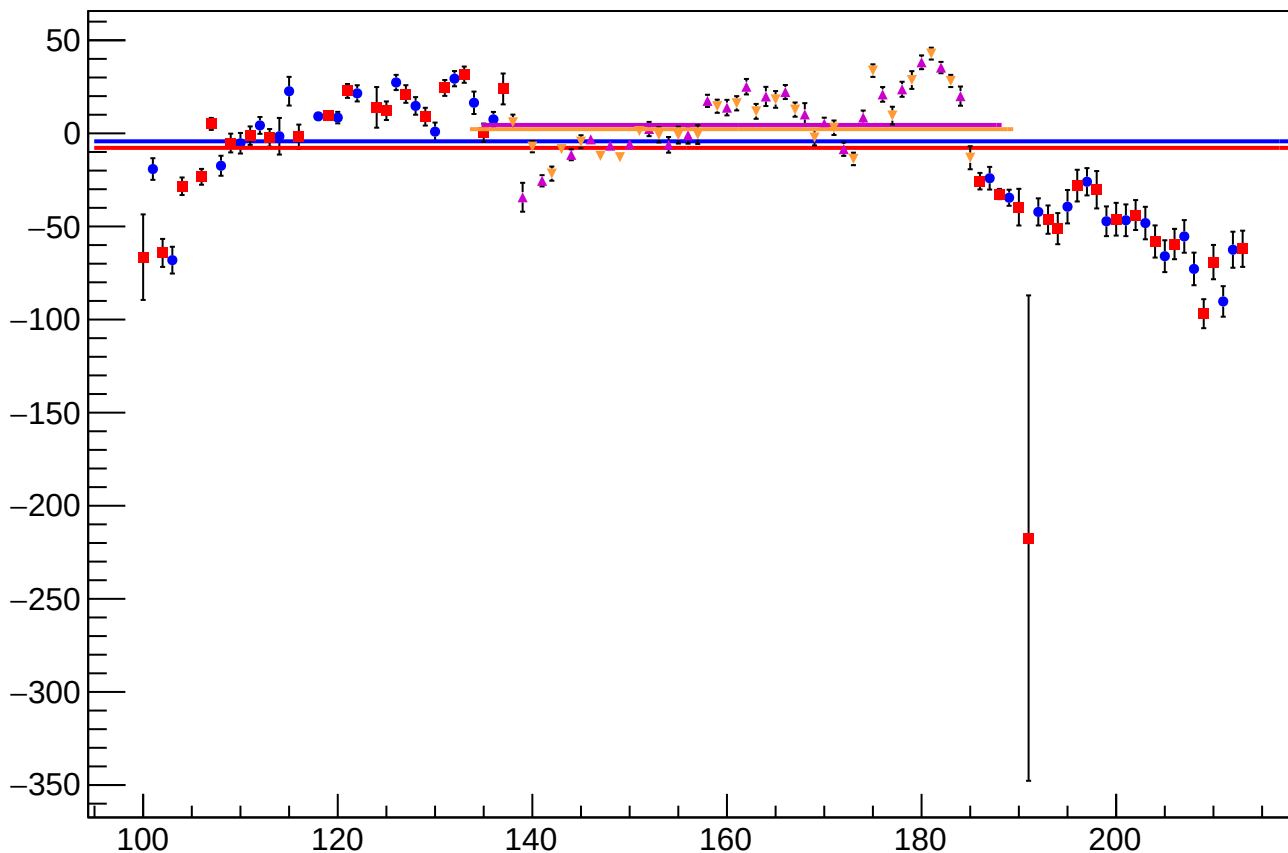
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 191.009 $\pm$ 0.629 χ^2 /NDF: 6024.6/53

All: 194.891 $\pm$ 0.438 χ^2 /NDF: 14588.5/110

- sign 198.540 $\pm$ 0.610 χ^2 /NDF: 8489.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -4.269 ± 0.978 χ^2/NDF : 836.7/28

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.800 ± 0.902 χ^2/NDF : 946.2/33

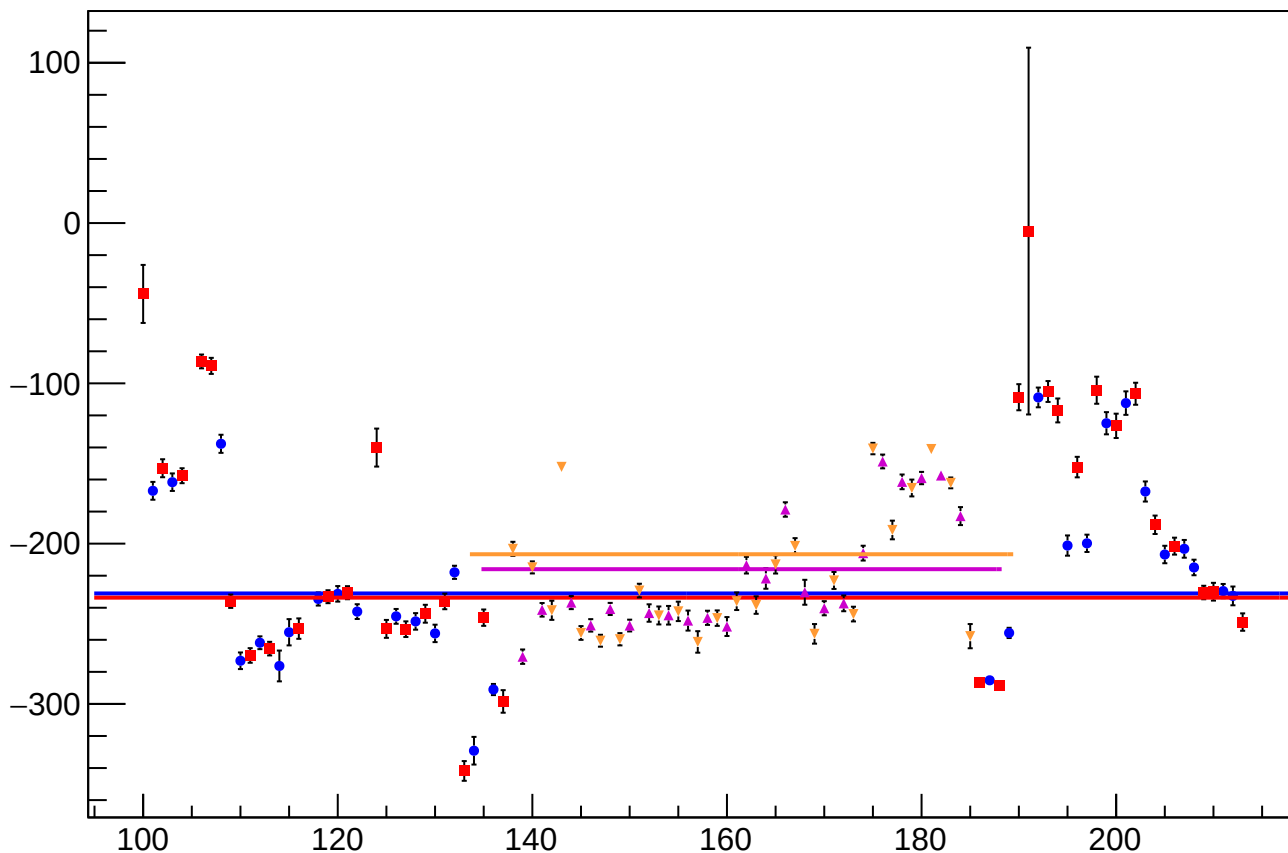
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 0.188 ± 0.550 χ^2/NDF : 1467.9/53

All: -0.019 ± 0.392 χ^2/NDF : 3076.1/110

- sign -0.234 ± 0.560 χ^2/NDF : 1607.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.084+/-0.918 χ^2 /NDF: 2683.2/28

Left Out: -206.617+/-0.895 χ^2 /NDF:2467.8/24

Right Out: -233.692+/-0.800 χ^2 /NDF: 6668.3/33

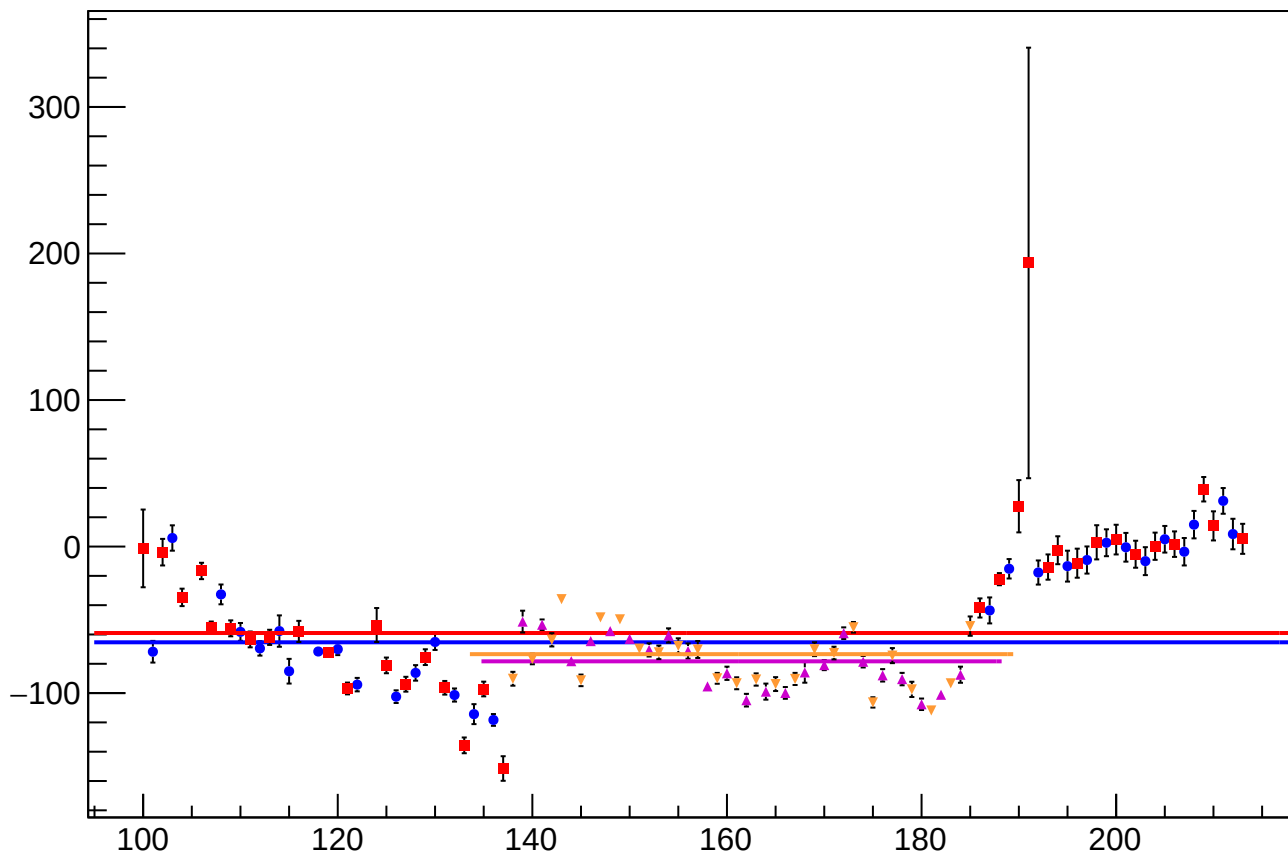
Left In: -215.938+/-0.946 χ^2 /NDF:1711.9/22

+ sign -218.540+/-0.641 χ^2 /NDF: 5515.4/53

All: -222.602+/-0.442 χ^2 /NDF: 14177.8/110

- sign -226.294+/-0.611 χ^2 /NDF: 8585.6/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -65.337 ± 1.143 χ^2/NDF : 1161.6/28

Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

Right Out: -58.994 ± 1.073 χ^2/NDF : 1362.8/33

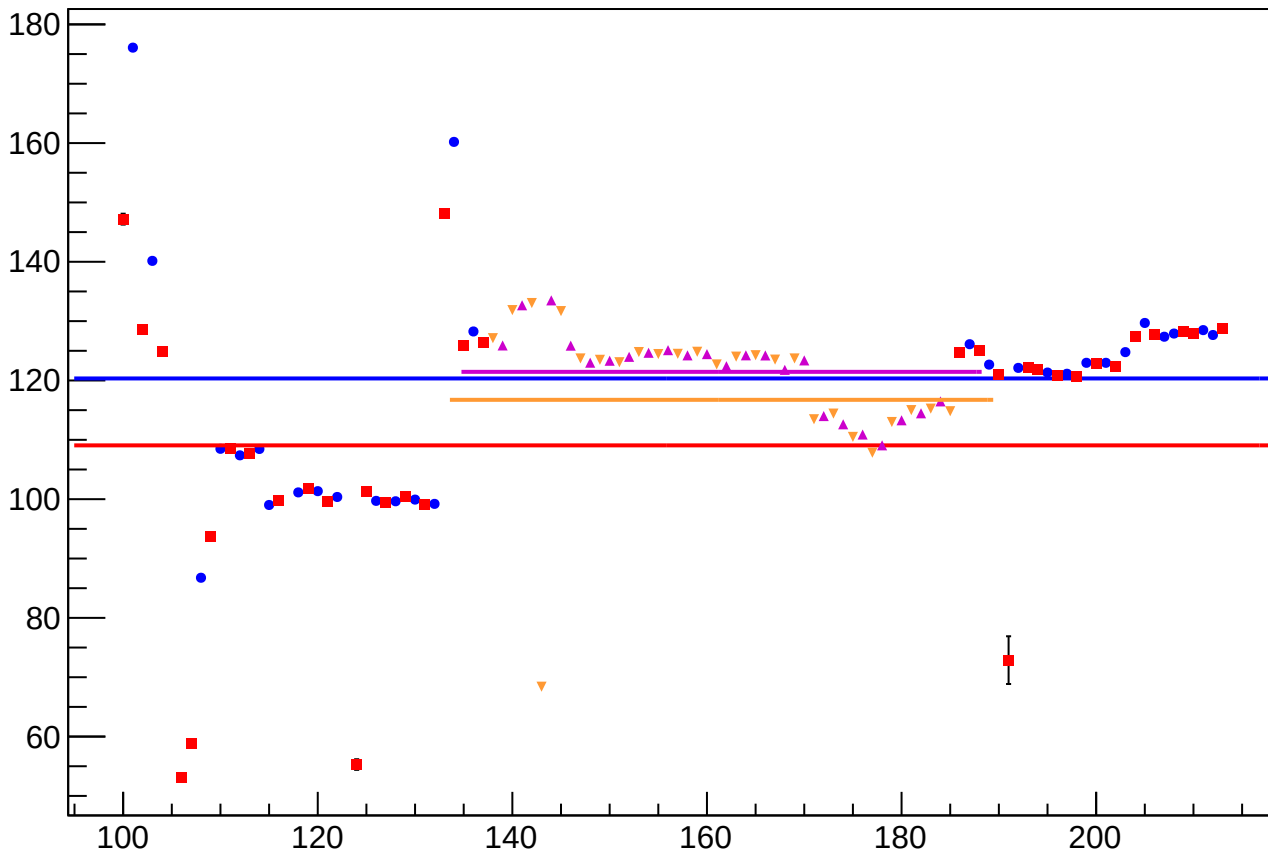
Left In: -78.329 ± 0.817 χ^2/NDF : 443.2/22

+ sign -70.915 ± 0.637 χ^2/NDF : 2032.7/53

All: -71.071 ± 0.455 χ^2/NDF : 4044.3/110

- sign -71.233 ± 0.650 χ^2/NDF : 2011.5/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.341 $\pm$ 0.060 χ^2 /NDF: 99048.0/28

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 109.066 $\pm$ 0.055 χ^2 /NDF: 213683.9/33

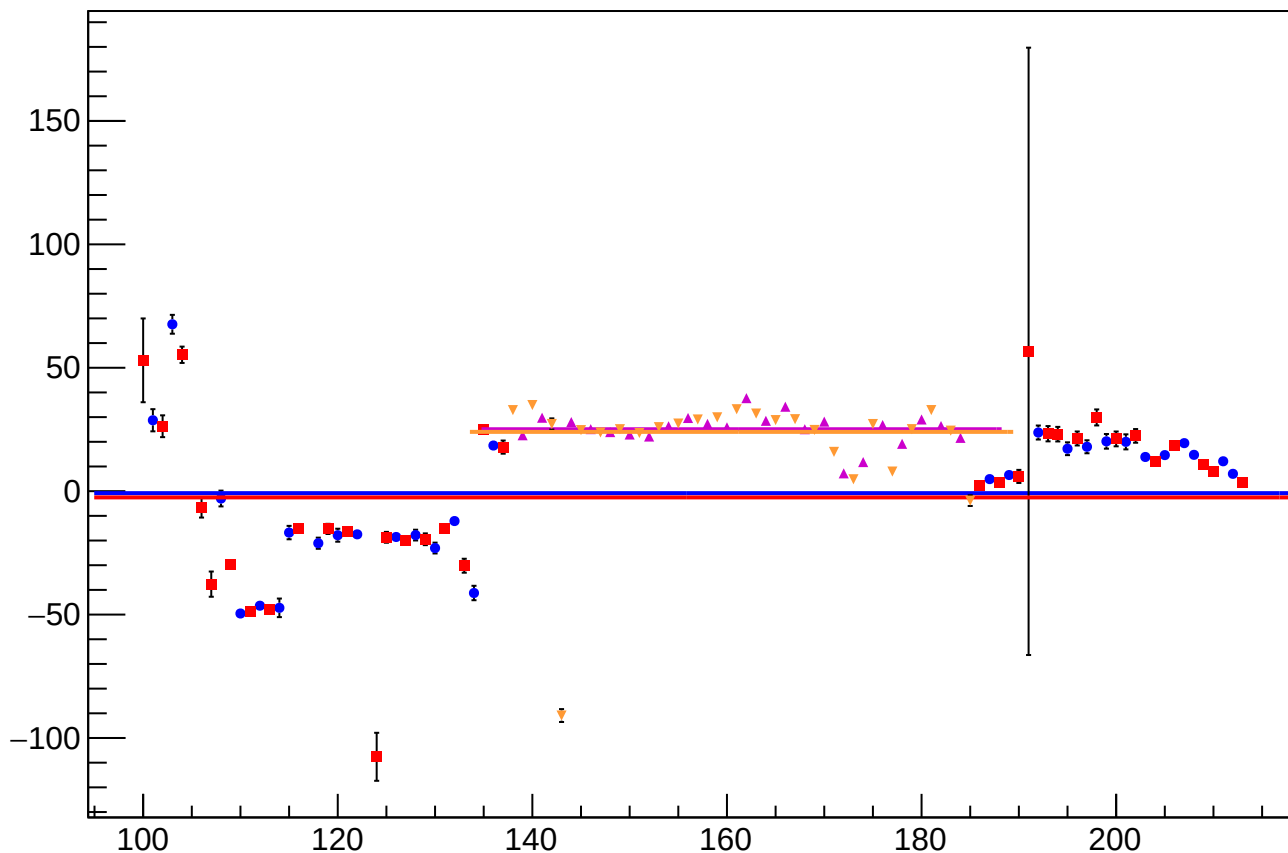
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.686 $\pm$ 0.031 χ^2 /NDF: 305351.9/53

All: 117.616 $\pm$ 0.022 χ^2 /NDF: 582711.8/110

- sign 117.546 $\pm$ 0.031 χ^2 /NDF: 277349.6/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -0.801 ± 0.379 χ^2/NDF : 3674.9/28

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -2.526 ± 0.353 χ^2/NDF : 3889.2/33

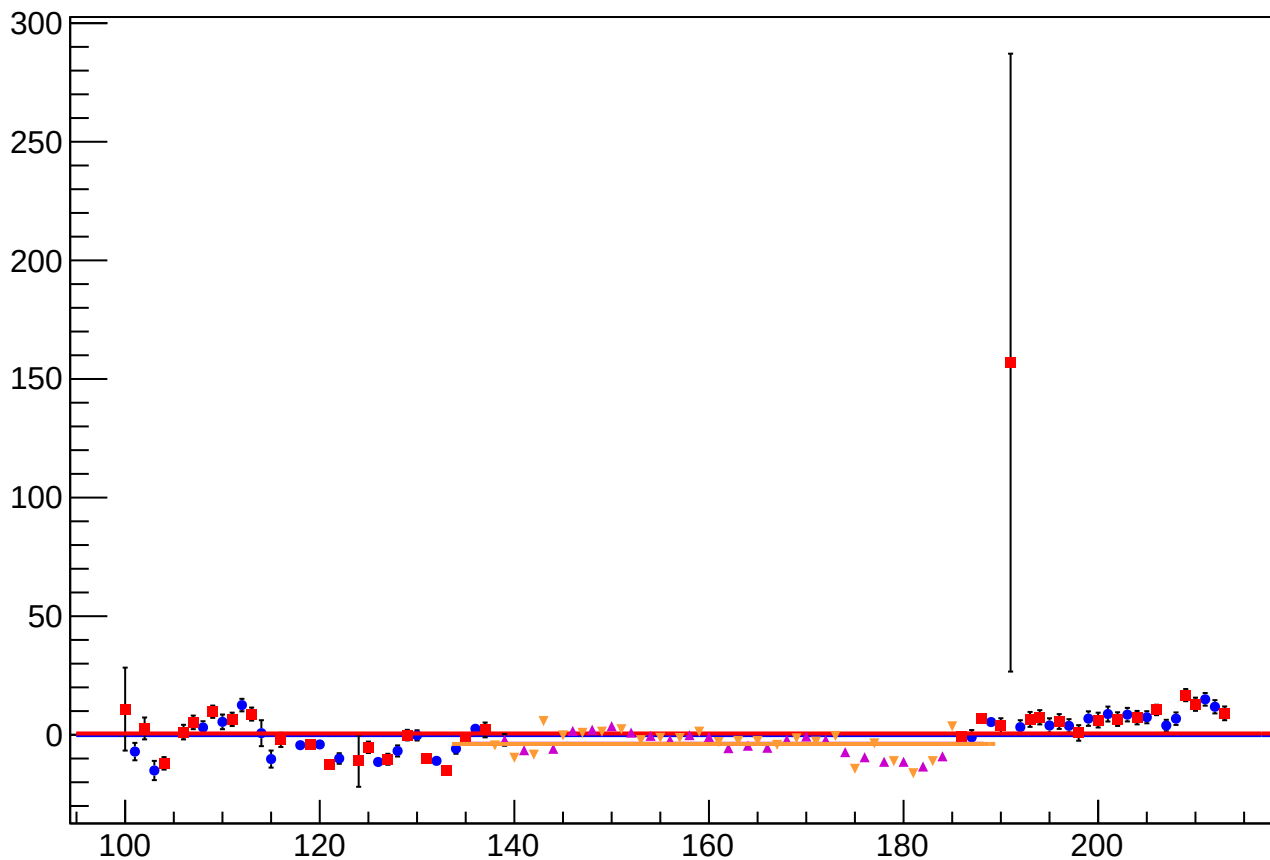
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.179 ± 0.226 χ^2/NDF : 9238.5/53

All: 14.630 ± 0.159 χ^2/NDF : 17314.2/110

- sign 14.098 ± 0.223 χ^2/NDF : 8064.1/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.131 ± 0.446 χ^2/NDF : 268.1/28

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.567 ± 0.428 χ^2/NDF : 355.3/33

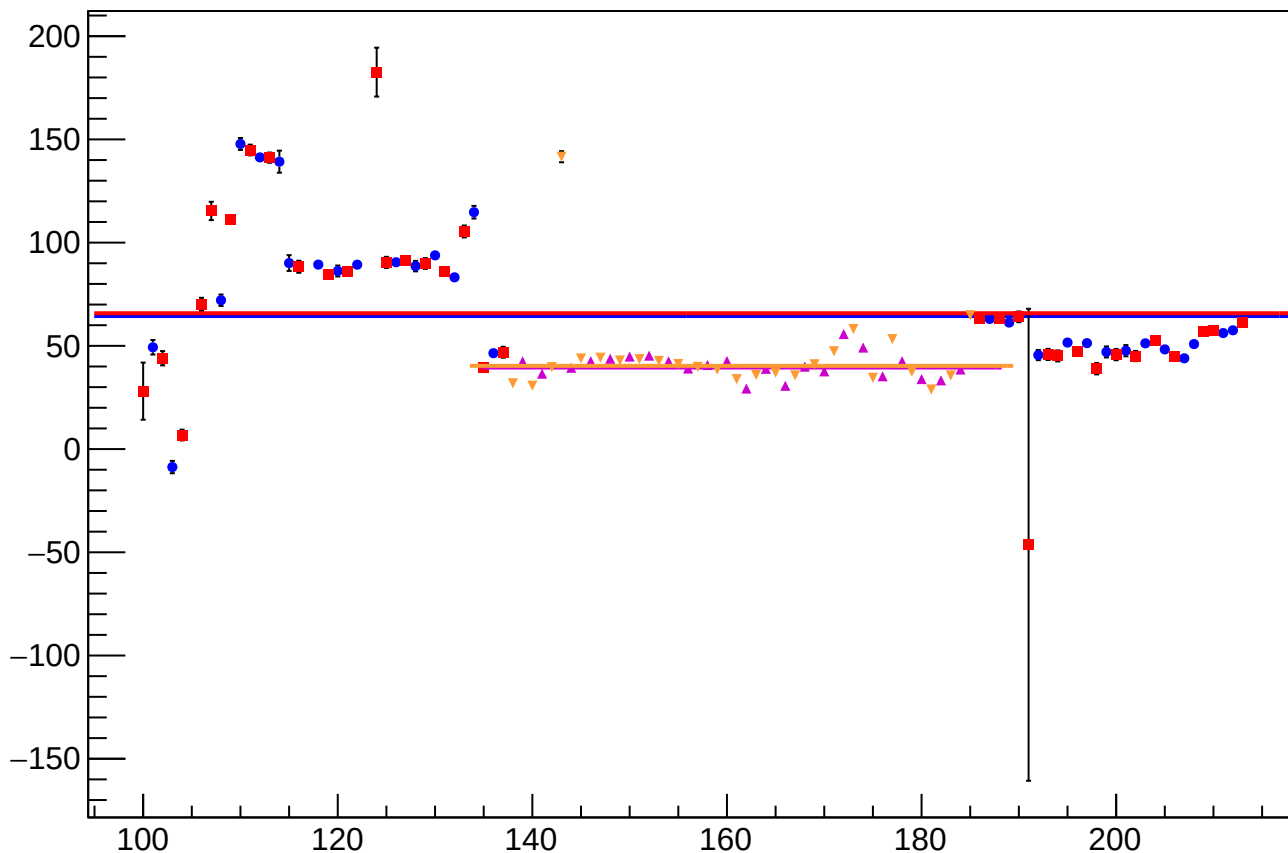
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -3.129 ± 0.196 χ^2/NDF : 973.5/53

All: -2.990 ± 0.139 χ^2/NDF : 1920.8/110

- sign -2.847 ± 0.198 χ^2/NDF : 946.3/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 64.435 ± 0.387 χ^2/NDF : 4659.8/28

Left Out: 40.315 ± 0.280 χ^2/NDF : 2182.8/24

Right Out: 65.795 ± 0.352 χ^2/NDF : 4834.1/33

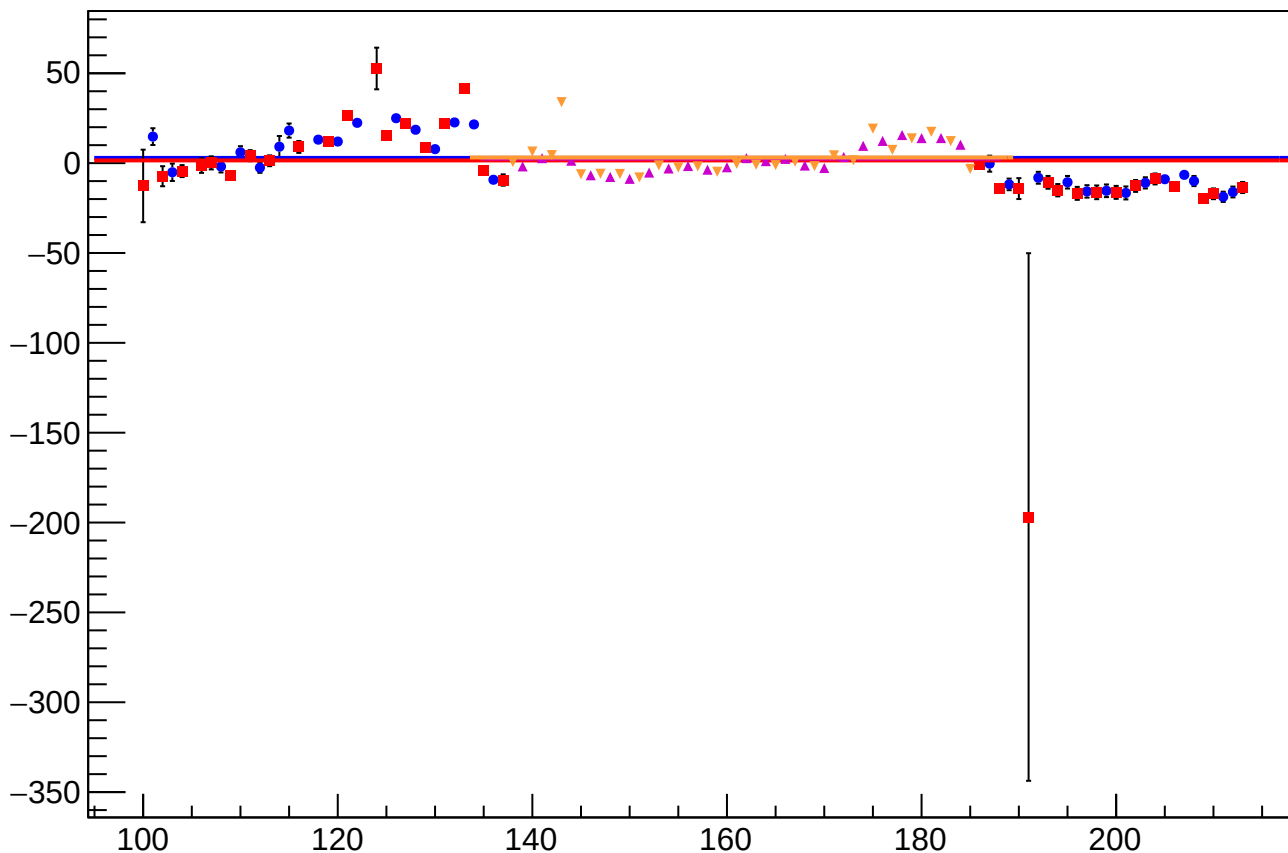
Left In: 39.504 ± 0.285 χ^2/NDF : 432.1/22

+ sign 48.616 ± 0.227 χ^2/NDF : 9393.4/53

All: 49.268 ± 0.158 χ^2/NDF : 18044.3/110

- sign 49.890 ± 0.221 χ^2/NDF : 8634.7/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.901 ± 0.509 χ^2/NDF : 804.2/28

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 1.516 ± 0.501 χ^2/NDF : 1026.2/33

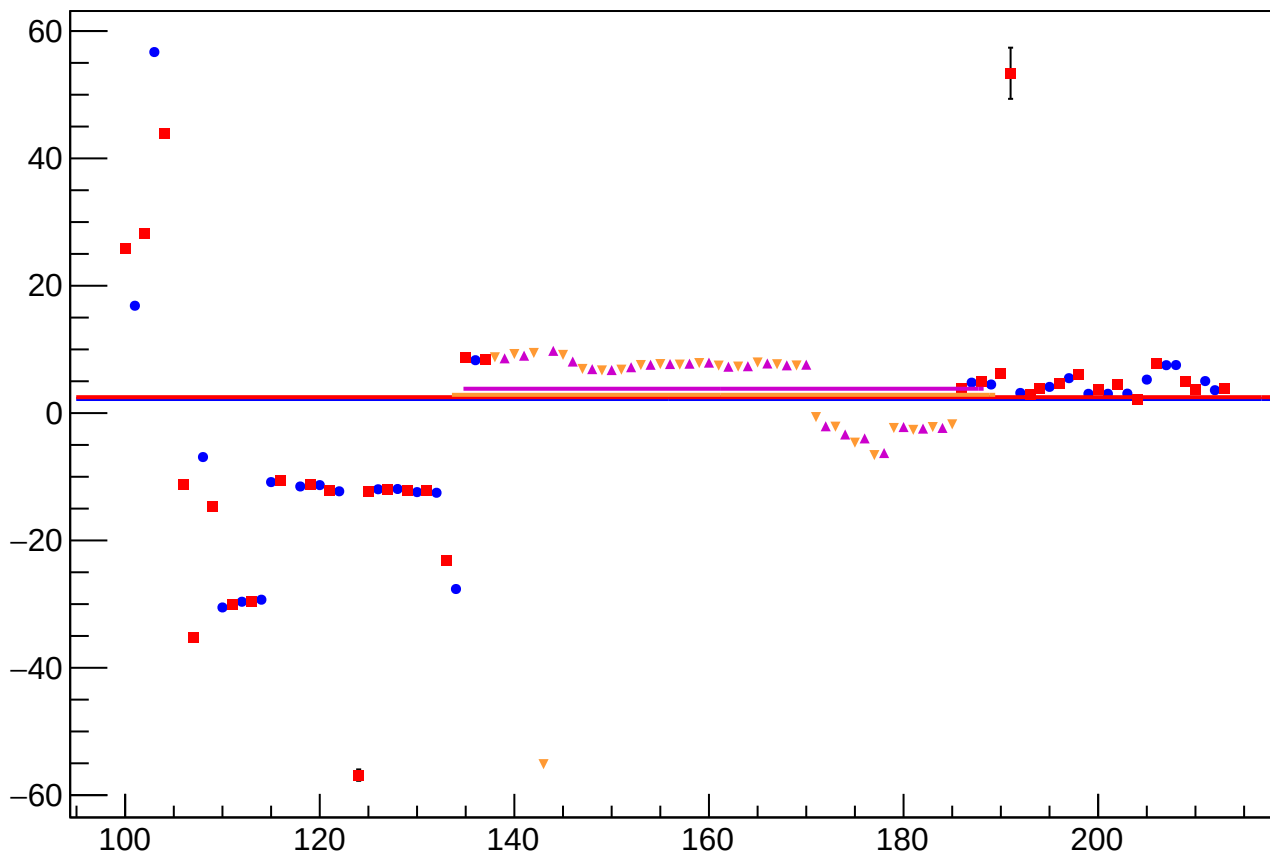
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 3.097 ± 0.221 χ^2/NDF : 2071.4/53

All: 2.713 ± 0.158 χ^2/NDF : 4075.0/110

- sign 2.317 ± 0.224 χ^2/NDF : 1997.5/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 2.212 ± 0.024 χ^2/NDF : 382934.0/28

Left Out: 2.870 ± 0.011 χ^2/NDF : 512331.0/24

Right Out: 2.499 ± 0.024 χ^2/NDF : 330756.2/33

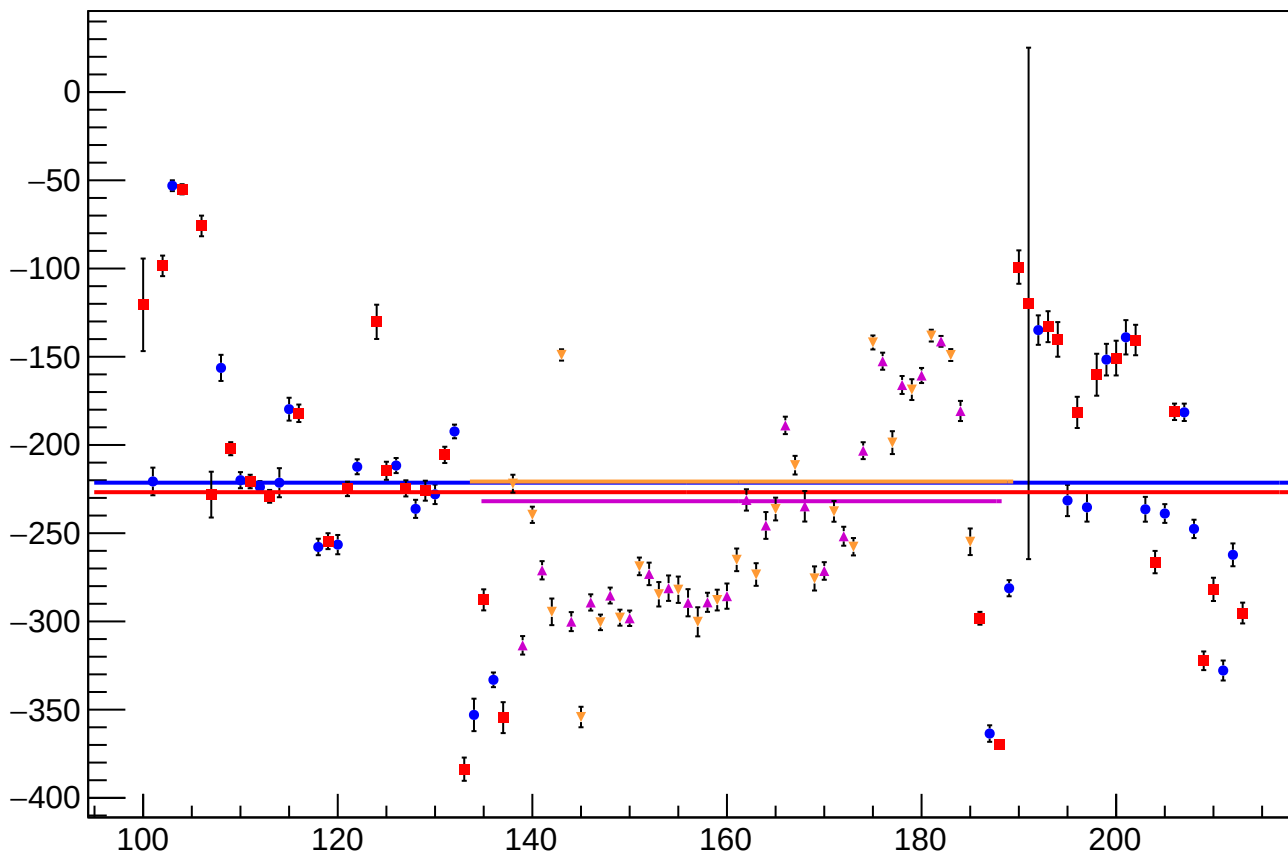
Left In: 3.825 ± 0.011 χ^2/NDF : 233224.7/22

+ sign 2.757 ± 0.010 χ^2/NDF : 895884.1/53

All: 3.170 ± 0.007 χ^2/NDF : 1465845.1/110

- sign 3.590 ± 0.010 χ^2/NDF : 566508.4/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -221.370 ± 0.971 χ^2/NDF : 6070.2/28

Left Out: -220.723 ± 1.018 χ^2/NDF : 4052.2/24

Right Out: -226.750 ± 0.889 χ^2/NDF : 10825.8/33

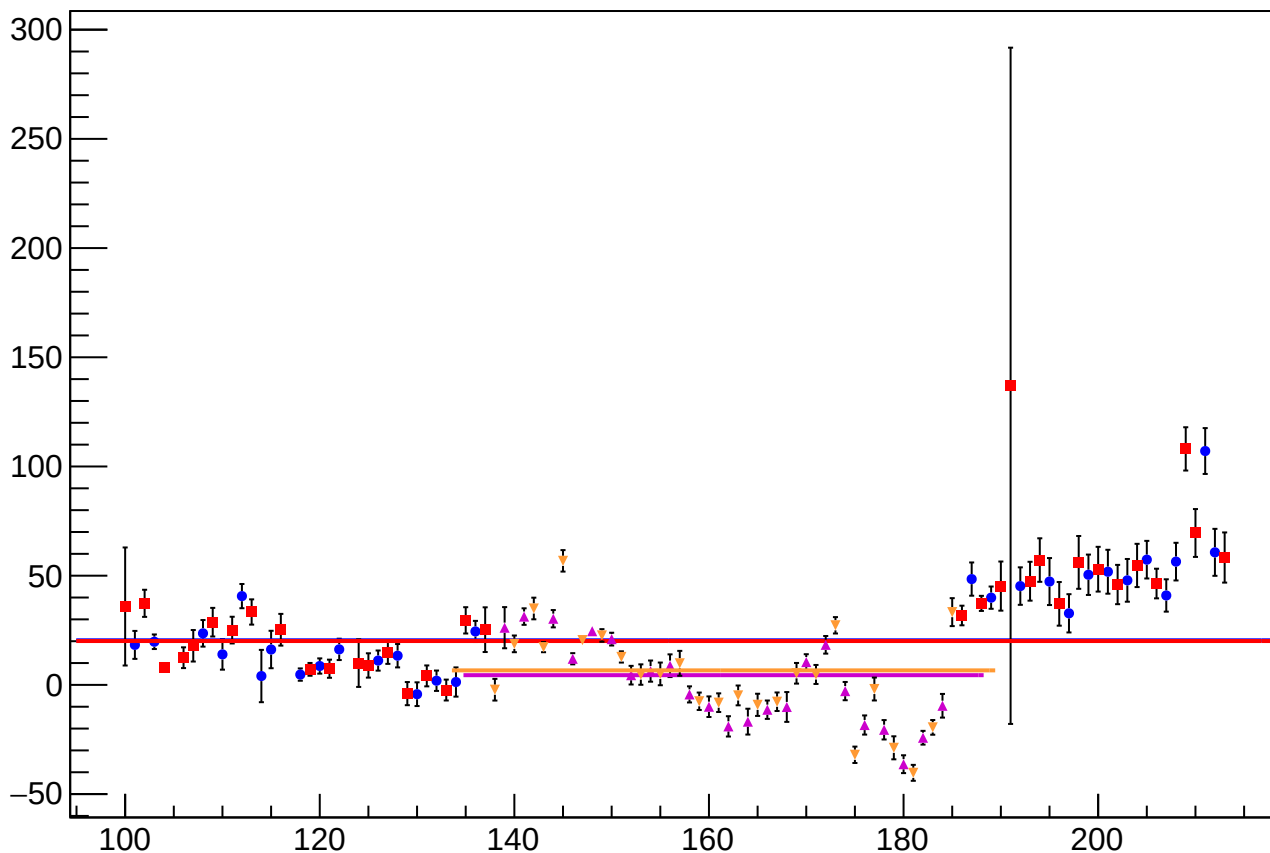
Left In: -231.871 ± 1.077 χ^2/NDF : 3160.3/22

+ sign -221.061 ± 0.703 χ^2/NDF : 10122.6/53

All: -225.040 ± 0.491 χ^2/NDF : 24184.8/110

- sign -228.824 ± 0.685 χ^2/NDF : 13999.6/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 20.413 $\pm$ 1.068 χ^2 /NDF: 309.5/28

Left Out: 6.643 $\pm$ 0.752 χ^2 /NDF: 735.0/24

Right Out: 20.080 $\pm$ 0.973 χ^2 /NDF: 366.8/33

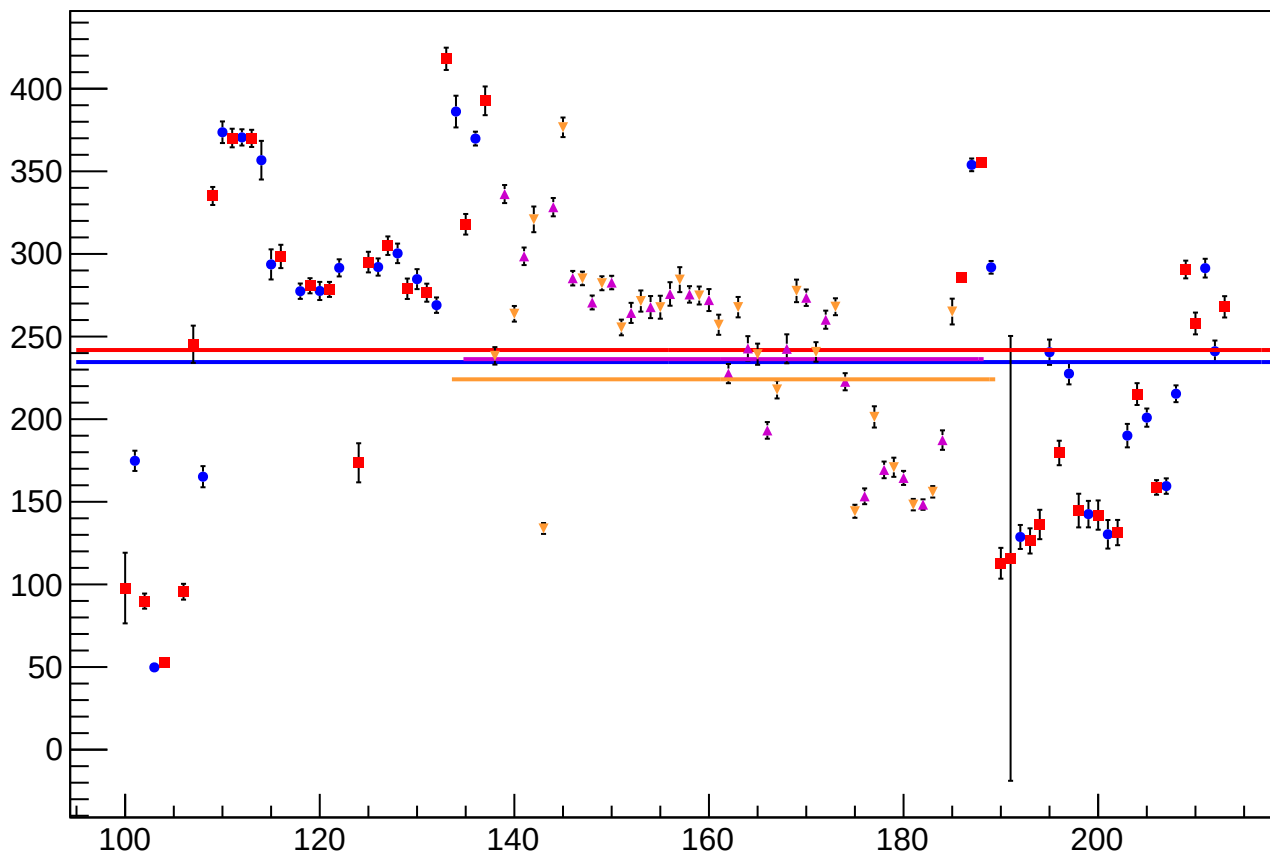
Left In: 4.447 $\pm$ 0.807 χ^2 /NDF: 567.1/22

+ sign 11.212 $\pm$ 0.615 χ^2 /NDF: 1155.6/53

All: 11.016 $\pm$ 0.437 χ^2 /NDF: 2242.6/110

- sign 10.816 $\pm$ 0.621 χ^2 /NDF: 1086.8/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 234.566 ± 0.978 χ^2/NDF : 11514.6/28

Left Out: 224.123 ± 1.014 χ^2/NDF : 3966.6/24

Right Out: 241.850 ± 0.870 χ^2/NDF : 17078.5/33

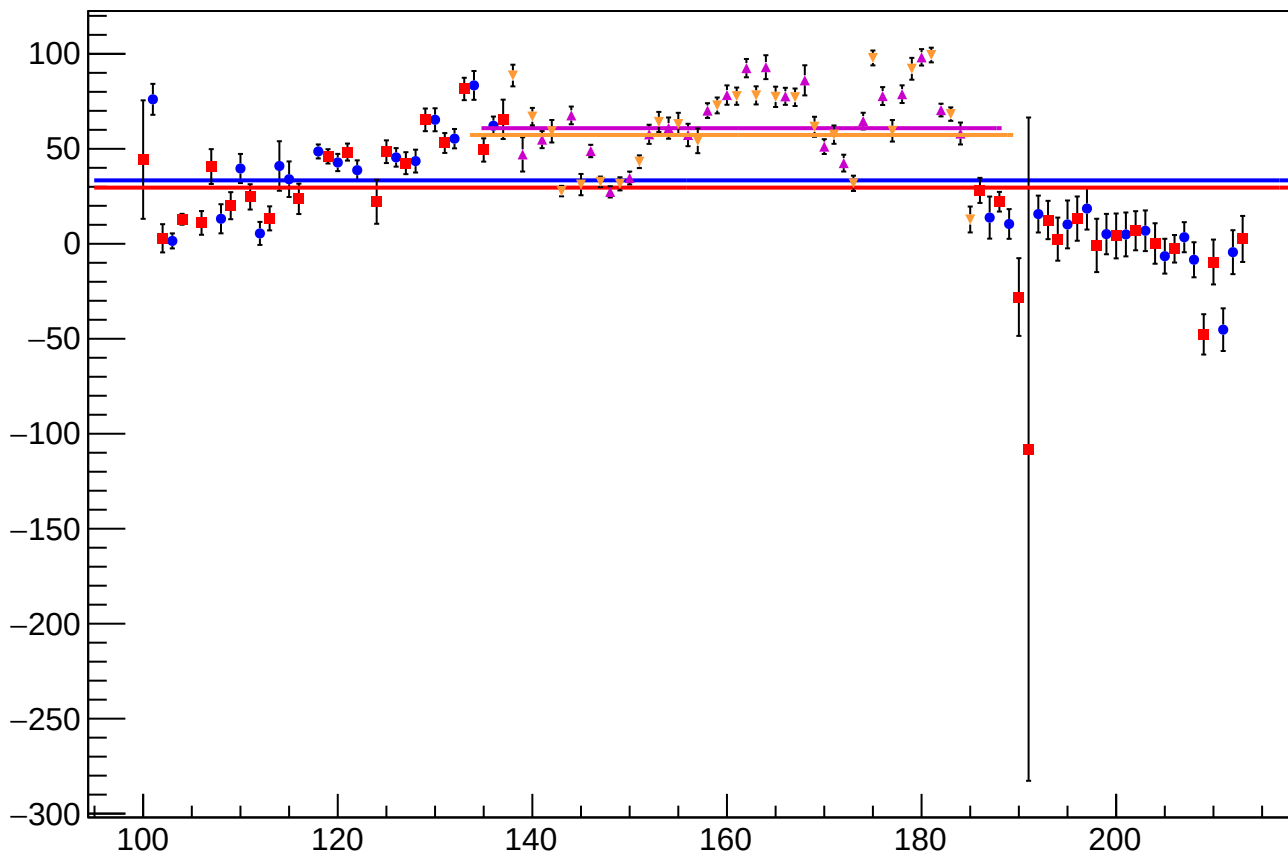
Left In: 236.342 ± 1.066 χ^2/NDF : 2992.9/22

+ sign 229.534 ± 0.704 χ^2/NDF : 15536.2/53

All: 234.810 ± 0.487 χ^2/NDF : 35731.4/110

- sign 239.650 ± 0.674 χ^2/NDF : 20087.4/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 33.397 $\pm$ 1.248 χ^2 /NDF: 430.7/28

Left Out: 57.288 $\pm$ 0.868 χ^2 /NDF: 767.9/24

Right Out: 29.578 $\pm$ 1.165 χ^2 /NDF: 406.4/33

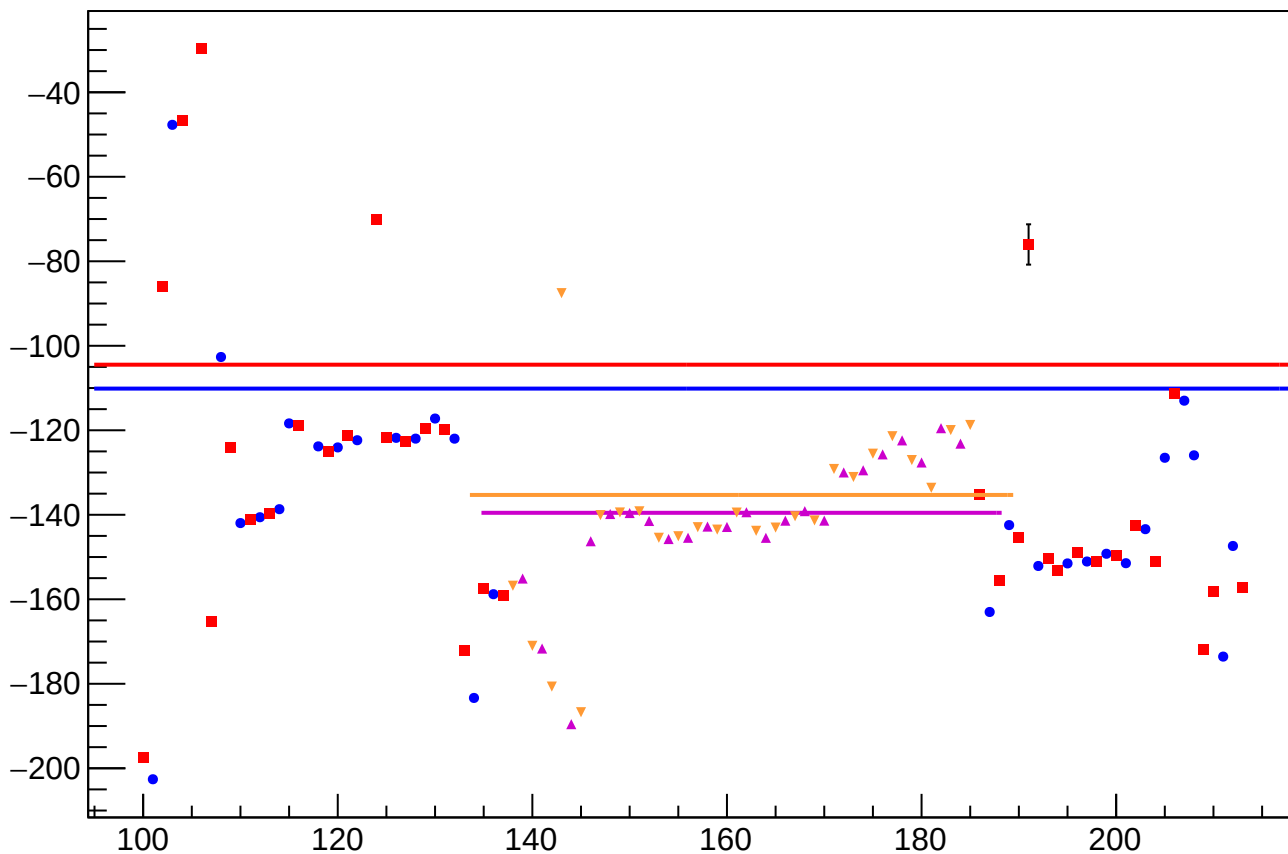
Left In: 60.877 $\pm$ 0.923 χ^2 /NDF: 454.7/22

+ sign 49.502 $\pm$ 0.713 χ^2 /NDF: 1445.4/53

All: 49.164 $\pm$ 0.508 χ^2 /NDF: 2750.6/110

- sign 48.816 $\pm$ 0.723 χ^2 /NDF: 1304.7/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -110.133+/-0.058 χ^2/NDF : 684873.6/28

Left Out: -135.305+/-0.041 χ^2/NDF : 262874.5/24

Right Out: -104.476+/-0.056 χ^2/NDF : 756688.9/33

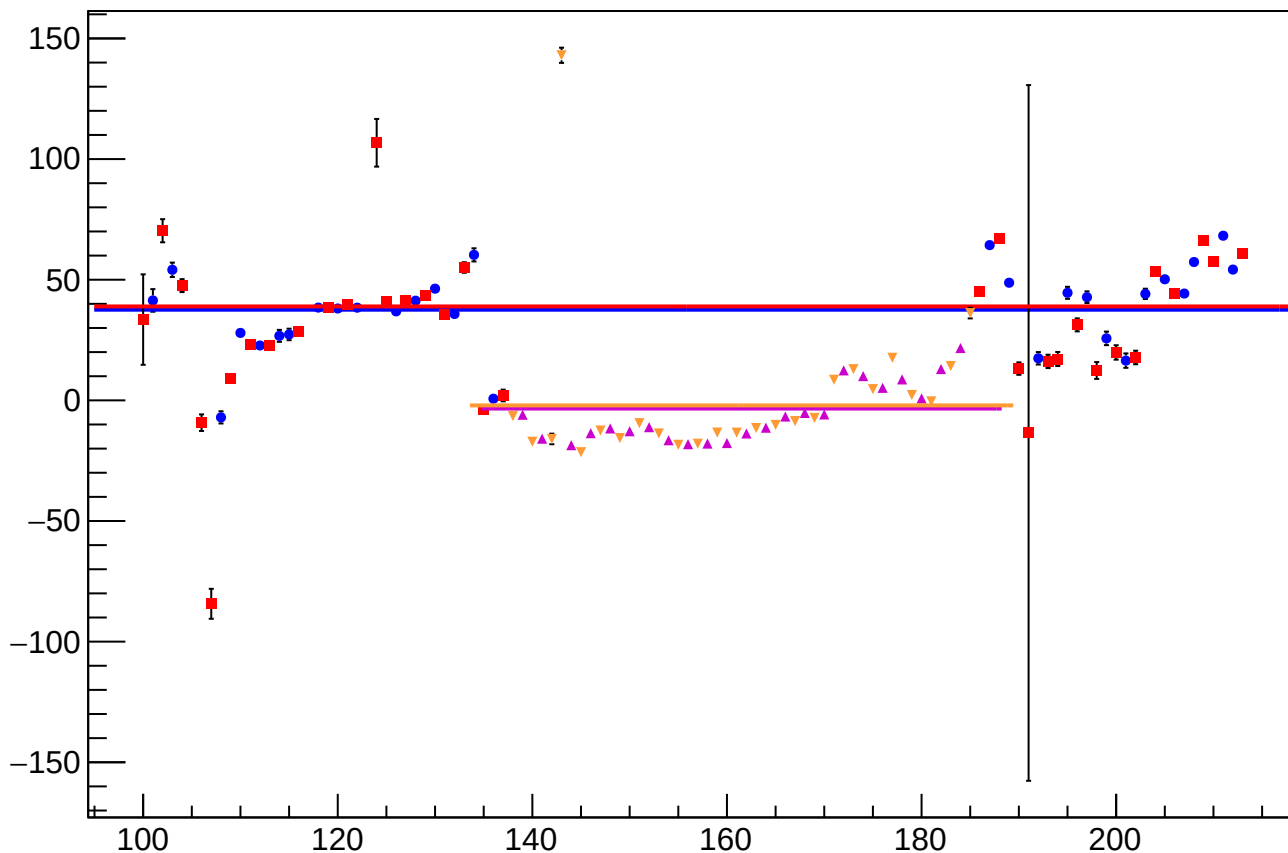
Left In: -139.533+/-0.042 χ^2/NDF : 114482.7/22

+ sign -126.969+/-0.033 χ^2/NDF : 1075199.2/53

All: -126.851+/-0.024 χ^2/NDF : 2199515.4/111

- sign -126.730+/-0.034 χ^2/NDF : 1124290.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 37.579 ± 0.329 χ^2/NDF : 2972.0/28

Left Out: -2.091 ± 0.267 χ^2/NDF : 4201.3/24

Right Out: 38.922 ± 0.294 χ^2/NDF : 5311.3/33

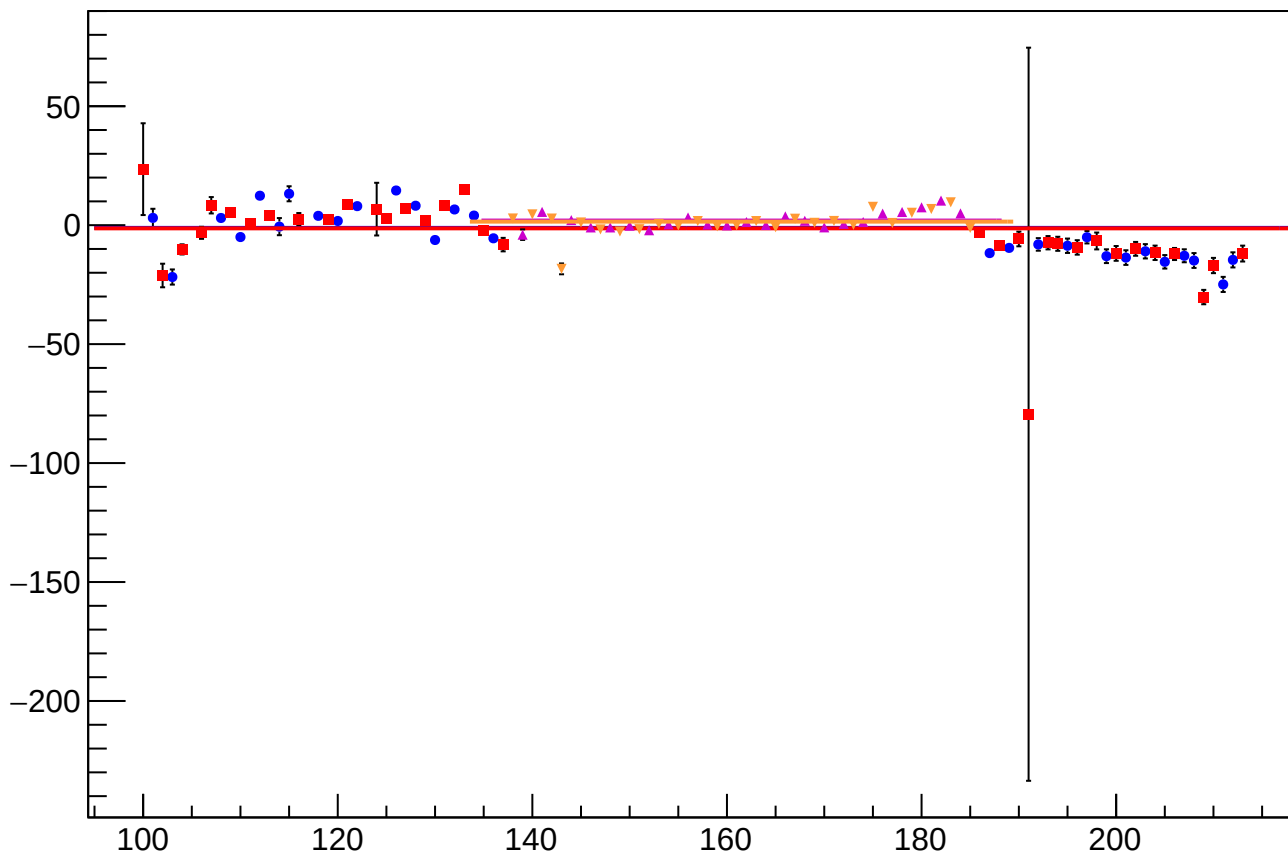
Left In: -3.391 ± 0.271 χ^2/NDF : 1752.8/22

+ sign 13.623 ± 0.207 χ^2/NDF : 15932.6/53

All: 14.898 ± 0.144 χ^2/NDF : 34261.8/110

- sign 16.077 ± 0.199 χ^2/NDF : 18256.4/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.147 ± 0.376 χ^2/NDF : 586.8/28

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.337 ± 0.352 χ^2/NDF : 538.6/33

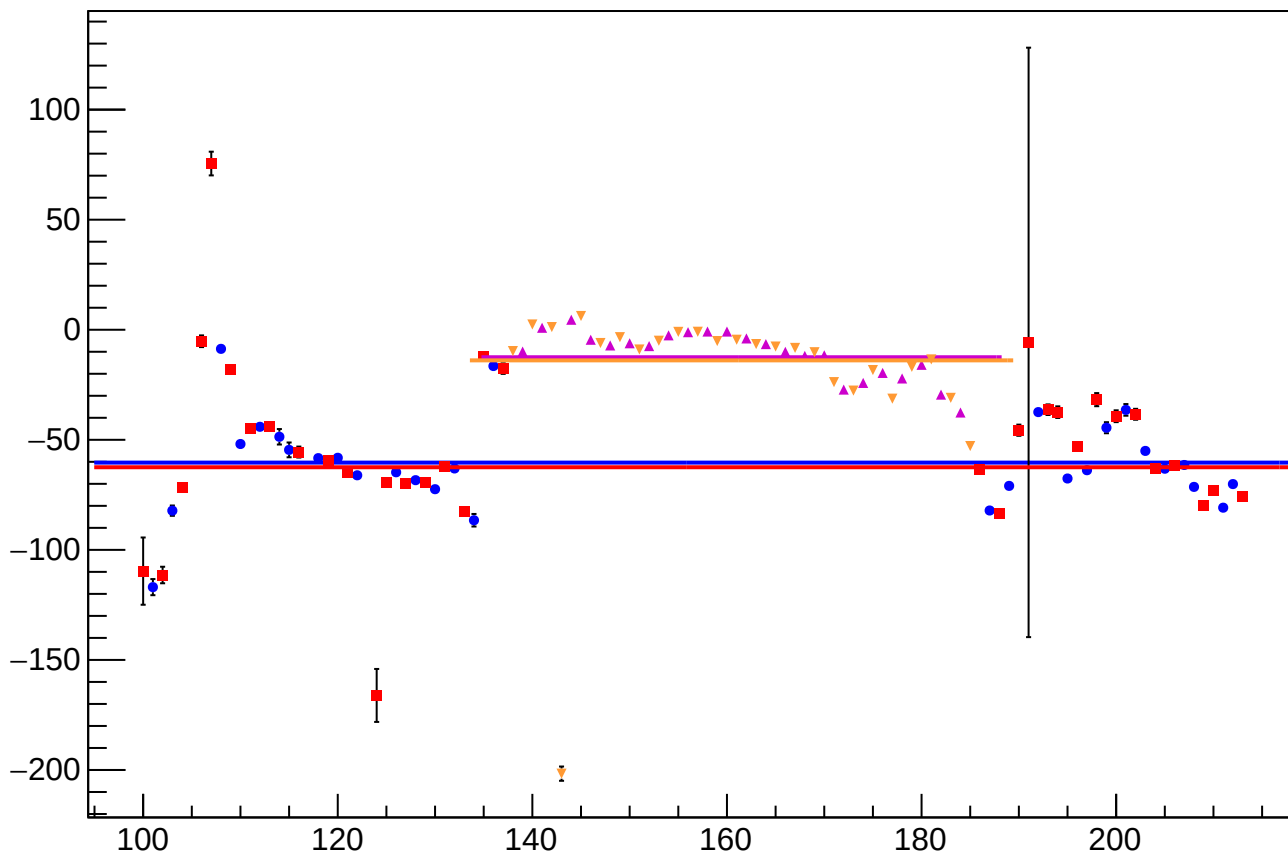
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 0.886 ± 0.180 χ^2/NDF : 953.2/53

All: 0.978 ± 0.127 χ^2/NDF : 1796.7/110

- sign 1.070 ± 0.181 χ^2/NDF : 843.0/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -60.357 ± 0.340 χ^2/NDF : 3565.5/28

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.467 ± 0.291 χ^2/NDF : 5674.6/33

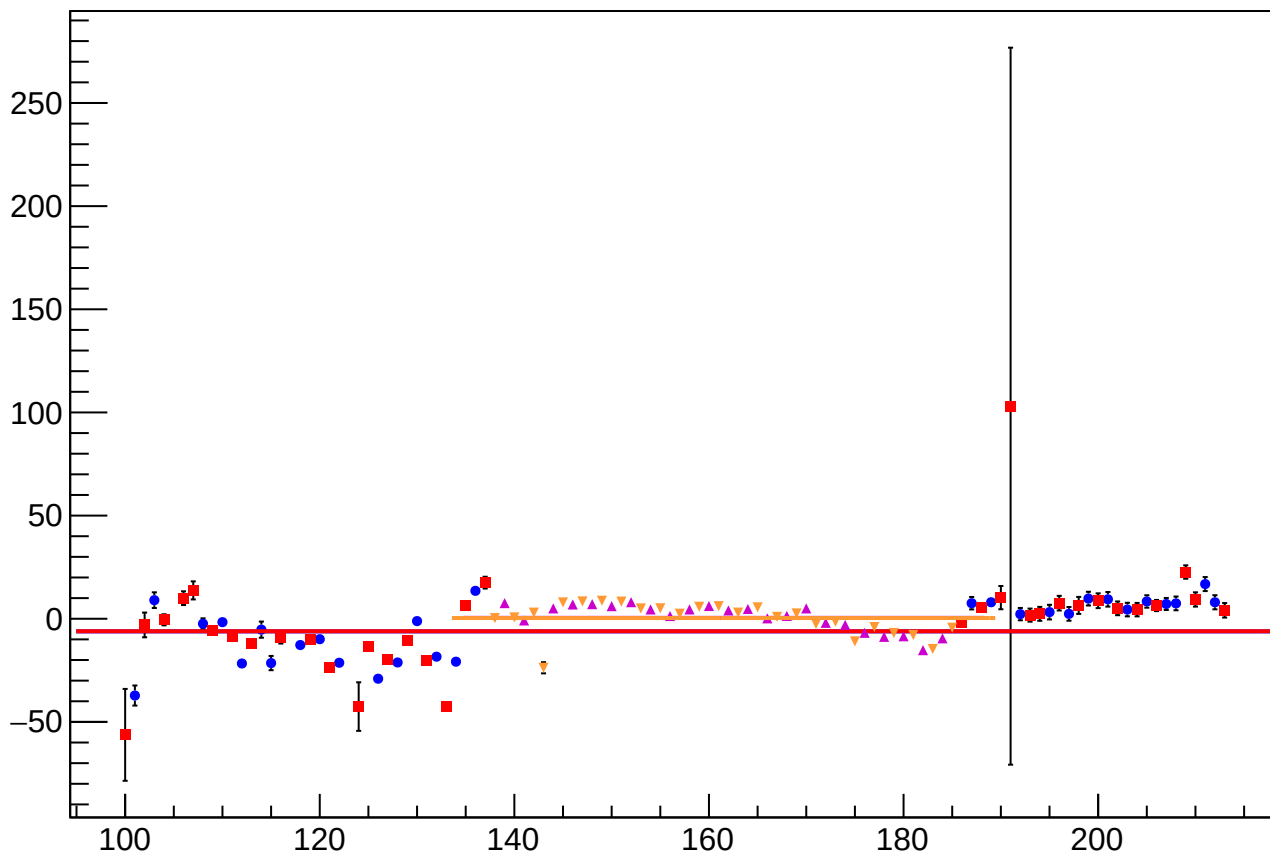
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -31.447 ± 0.209 χ^2/NDF : 20320.6/53

All: -33.602 ± 0.143 χ^2/NDF : 43567.5/110

- sign -35.524 ± 0.197 χ^2/NDF : 23045.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.132 ± 0.437 $\chi^2/\text{NDF}: 1001.4/28$

Left Out: 0.345 ± 0.231 $\chi^2/\text{NDF}: 921.9/24$

Right Out: -6.060 ± 0.421 $\chi^2/\text{NDF}: 1050.0/33$

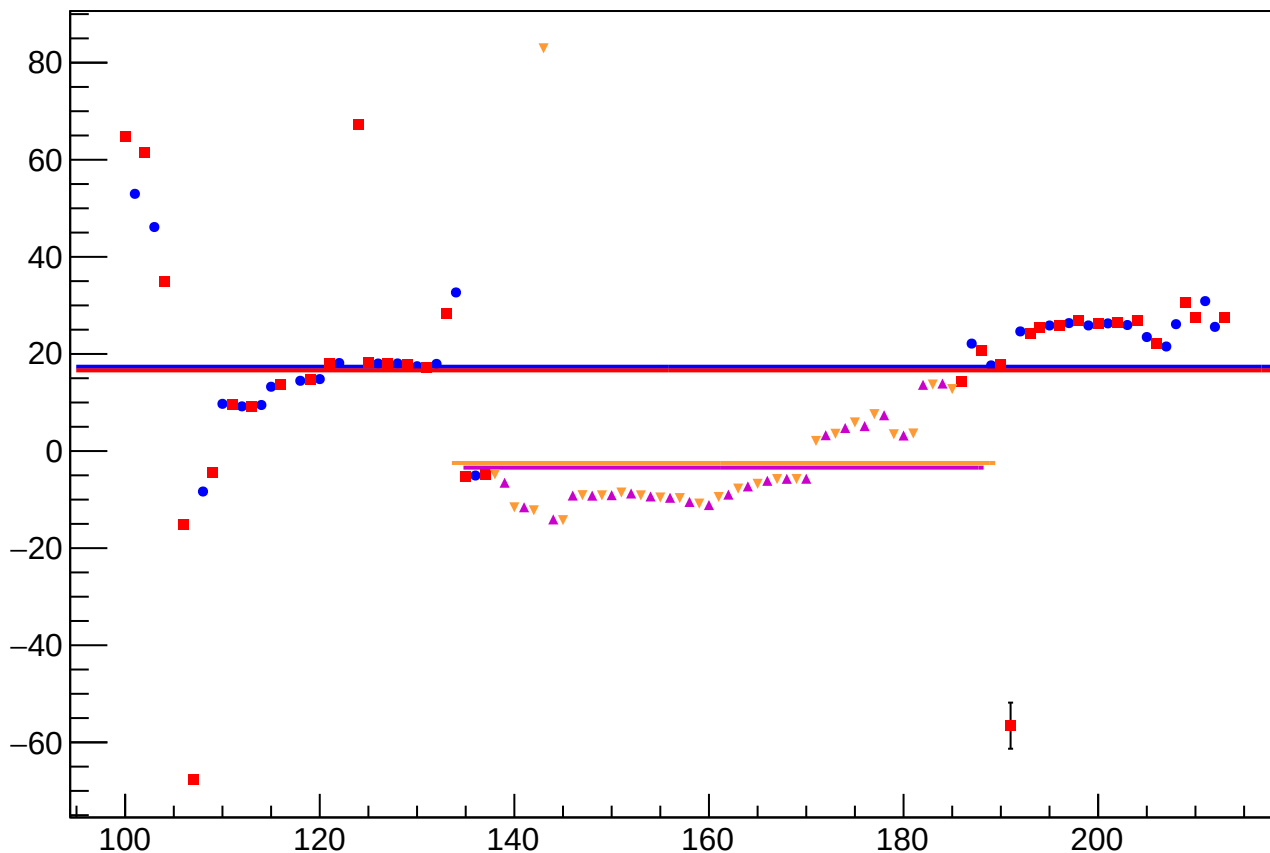
Left In: 0.433 ± 0.237 $\chi^2/\text{NDF}: 782.1/22$

+ sign -1.074 ± 0.204 $\chi^2/\text{NDF}: 2095.1/53$

All: -1.100 ± 0.145 $\chi^2/\text{NDF}: 4107.9/110$

- sign -1.126 ± 0.206 $\chi^2/\text{NDF}: 2012.9/56$

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.371 $\pm$ 0.022 χ^2 /NDF: 448130.4/28

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 16.617 $\pm$ 0.022 χ^2 /NDF: 575446.6/33

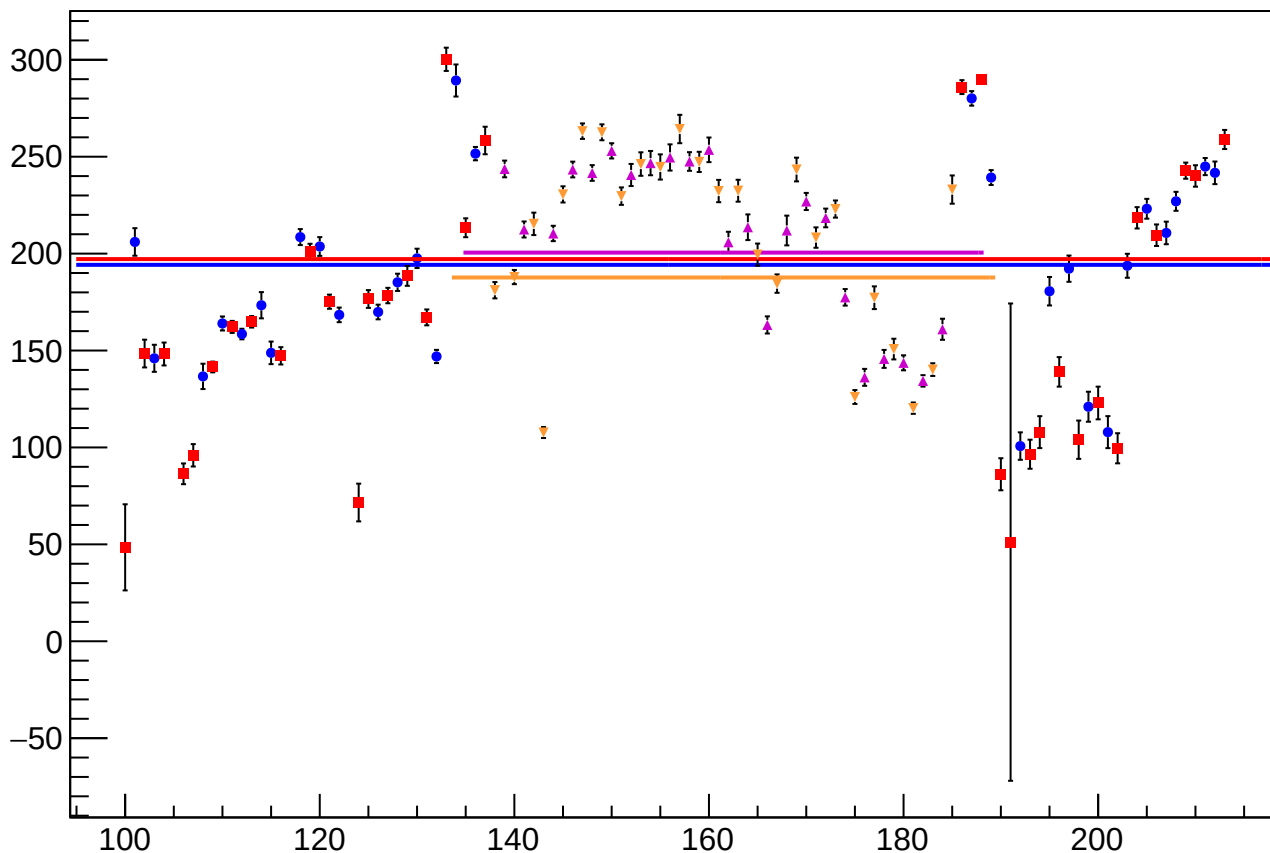
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign 1.128 $\pm$ 0.009 χ^2 /NDF: 2072016.8/53

All: 0.724 $\pm$ 0.007 χ^2 /NDF: 3884542.3/110

- sign 0.317 $\pm$ 0.009 χ^2 /NDF: 1808804.6/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 194.215 $\pm$ 0.881 χ^2 /NDF: 2469.3/28

Left Out: 187.681 $\pm$ 0.898 χ^2 /NDF: 3528.3/24

Right Out: 197.179 $\pm$ 0.792 χ^2 /NDF: 6371.3/33

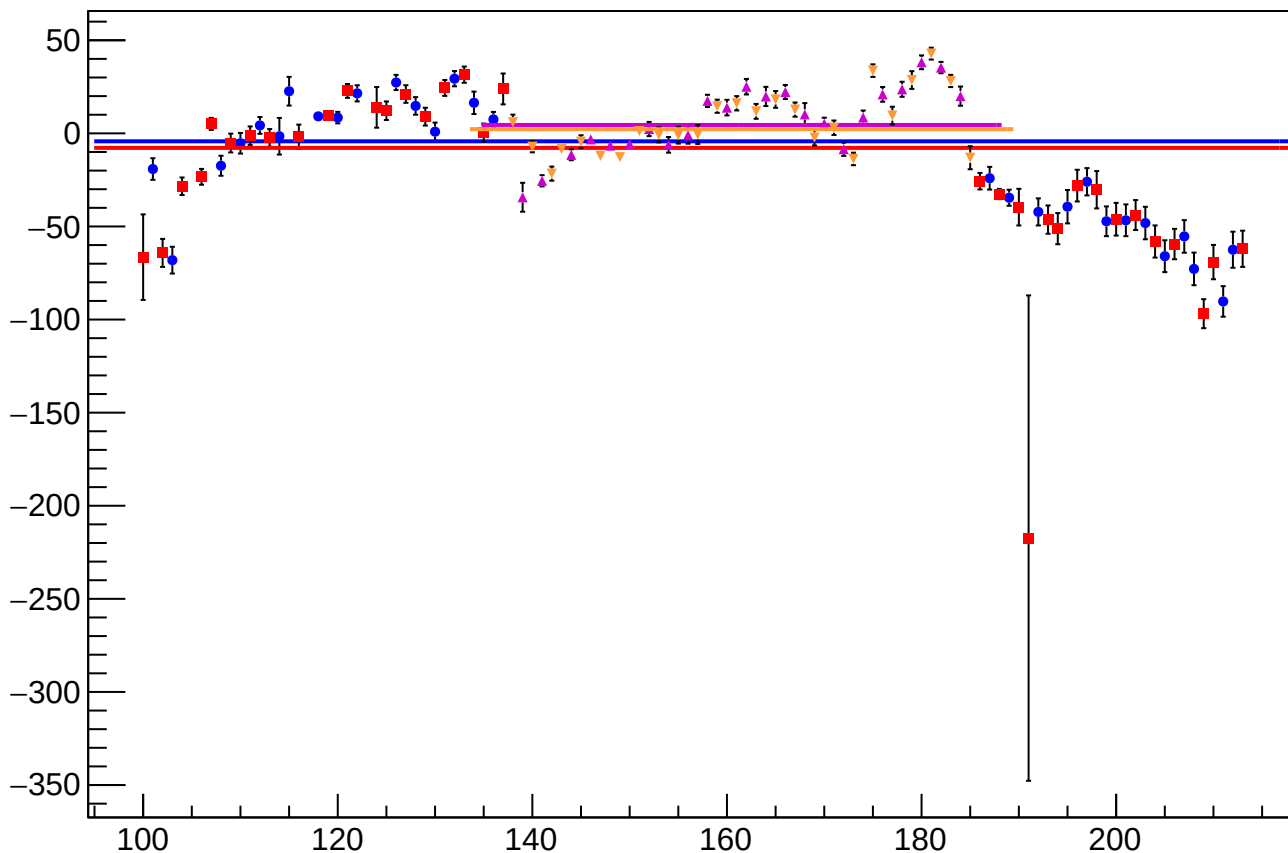
Left In: 200.521 $\pm$ 0.955 χ^2 /NDF: 2111.4/22

+ sign 191.009 $\pm$ 0.629 χ^2 /NDF: 6024.6/53

All: 194.891 $\pm$ 0.438 χ^2 /NDF: 14588.5/110

- sign 198.540 $\pm$ 0.610 χ^2 /NDF: 8489.9/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -4.269 ± 0.978 χ^2/NDF : 836.7/28

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.800 ± 0.902 χ^2/NDF : 946.2/33

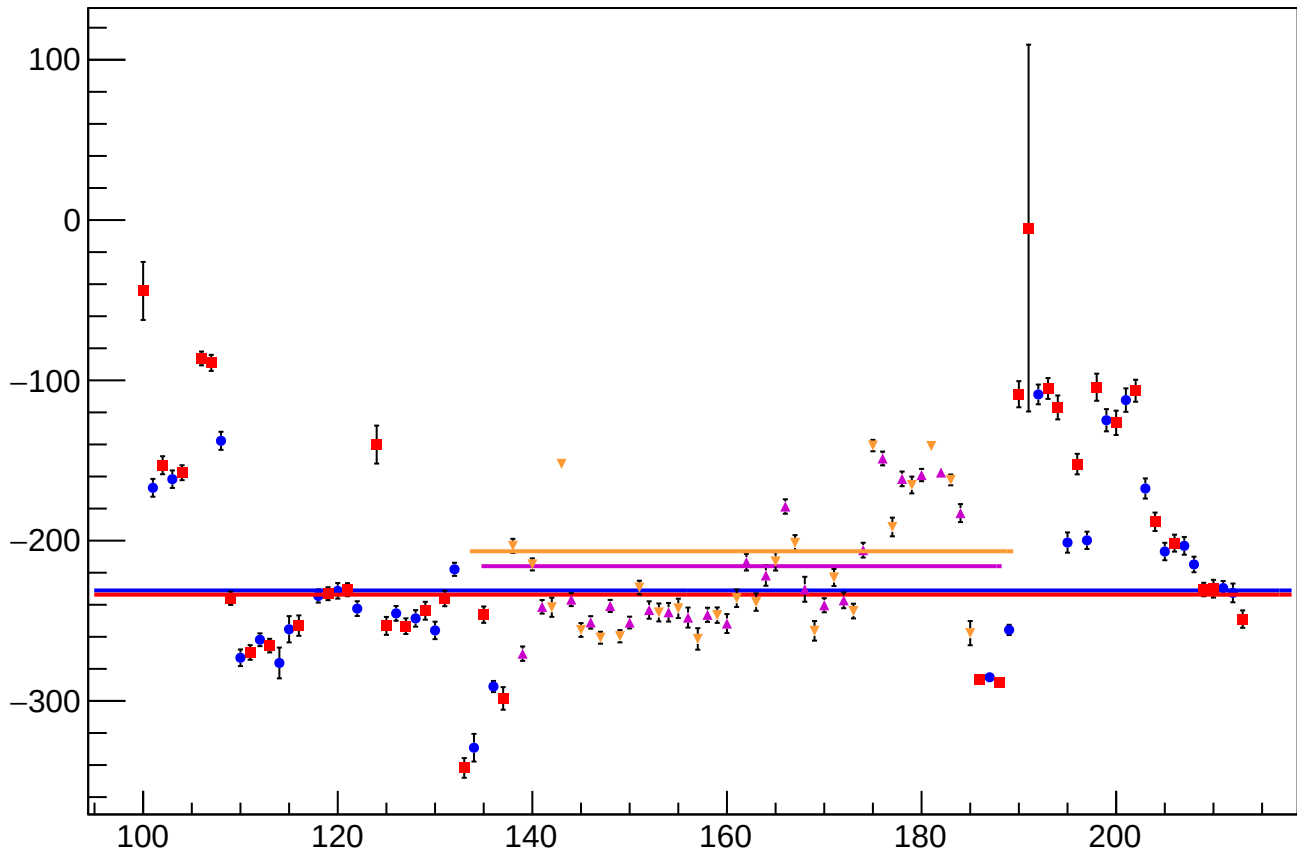
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 0.188 ± 0.550 χ^2/NDF : 1467.9/53

All: -0.019 ± 0.392 χ^2/NDF : 3076.1/110

- sign -0.234 ± 0.560 χ^2/NDF : 1607.9/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -231.084 ± 0.918 χ^2/NDF : 2683.2/28

Left Out: -206.617 ± 0.895 χ^2/NDF : 2467.8/24

Right Out: -233.692 ± 0.800 χ^2/NDF : 6668.3/33

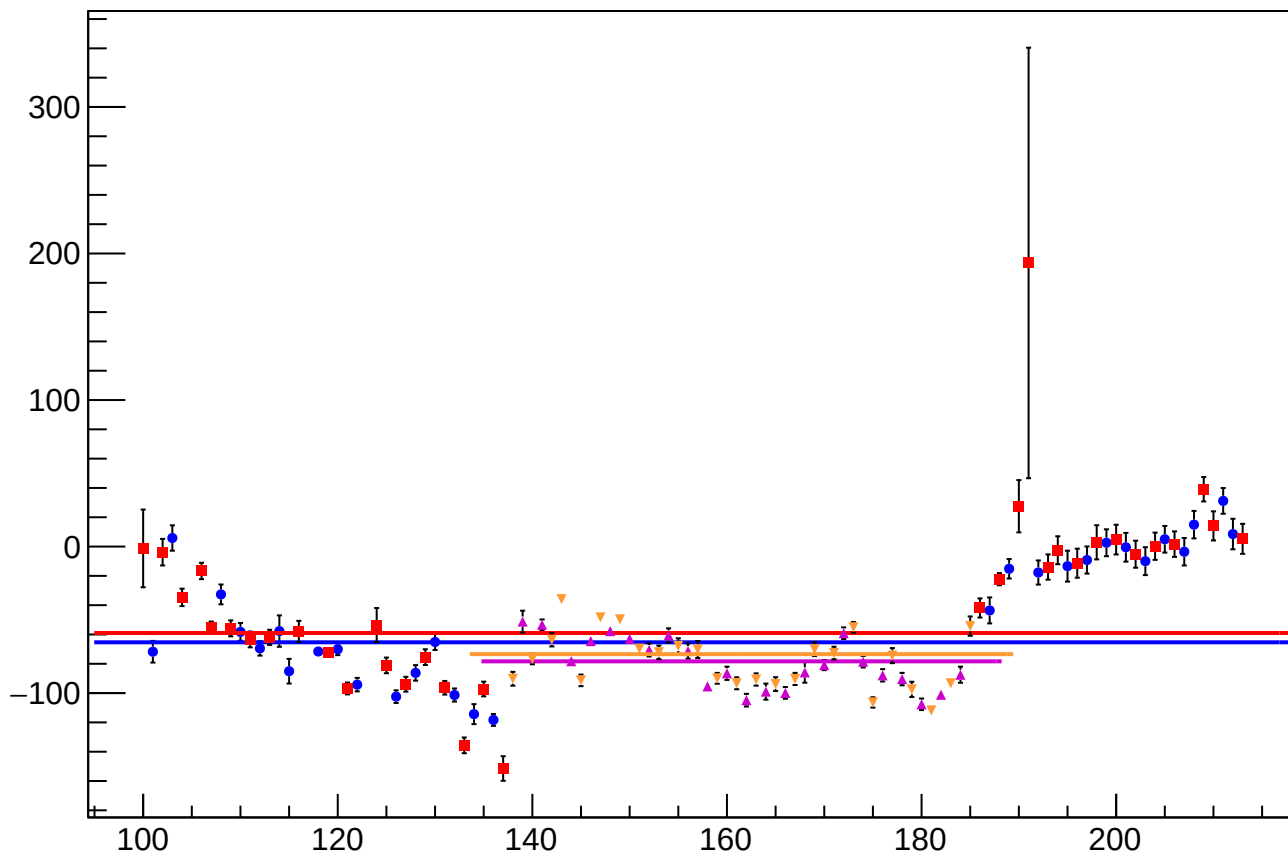
Left In: -215.938 ± 0.946 χ^2/NDF : 1711.9/22

+ sign -218.540 ± 0.641 χ^2/NDF : 5515.4/53

All: -222.602 ± 0.442 χ^2/NDF : 14177.8/110

- sign -226.294 ± 0.611 χ^2/NDF : 8585.6/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -65.337 ± 1.143 χ^2/NDF : 1161.6/28

Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

Right Out: -58.994 ± 1.073 χ^2/NDF : 1362.8/33

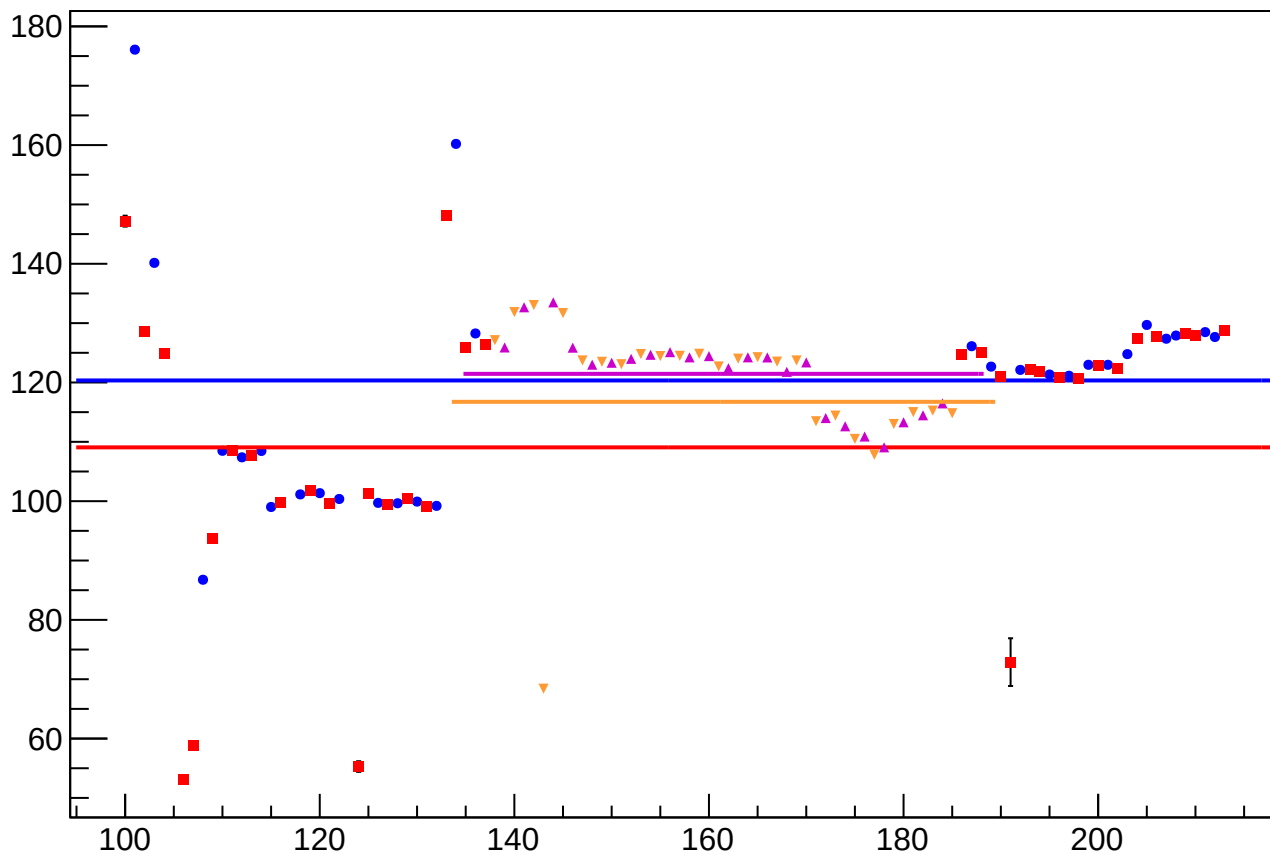
Left In: -78.329 ± 0.817 χ^2/NDF : 443.2/22

+ sign -70.915 ± 0.637 χ^2/NDF : 2032.7/53

All: -71.071 ± 0.455 χ^2/NDF : 4044.3/110

- sign -71.233 ± 0.650 χ^2/NDF : 2011.5/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 120.341 ± 0.060 χ^2/NDF : 99048.0/28

Left Out: 116.740 ± 0.036 χ^2/NDF : 203650.9/24

Right Out: 109.066 ± 0.055 χ^2/NDF : 213683.9/33

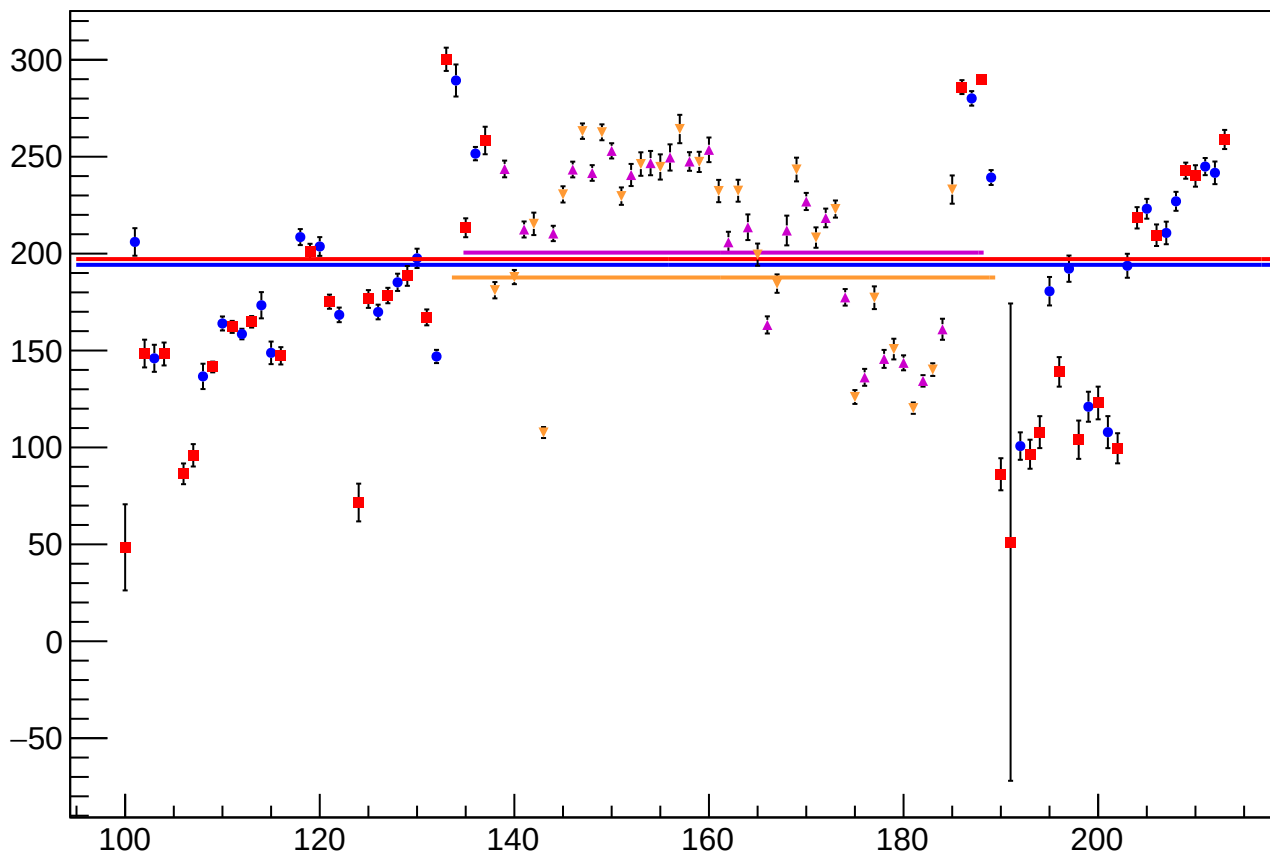
Left In: 121.455 ± 0.037 χ^2/NDF : 28796.4/22

+ sign 117.686 ± 0.031 χ^2/NDF : 305351.9/53

All: 117.616 ± 0.022 χ^2/NDF : 582711.8/110

- sign 117.546 ± 0.031 χ^2/NDF : 277349.6/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 194.215 ± 0.881 χ^2/NDF : 2469.3/28

Left Out: 187.681 ± 0.898 χ^2/NDF : 3528.3/24

Right Out: 197.179 ± 0.792 χ^2/NDF : 6371.3/33

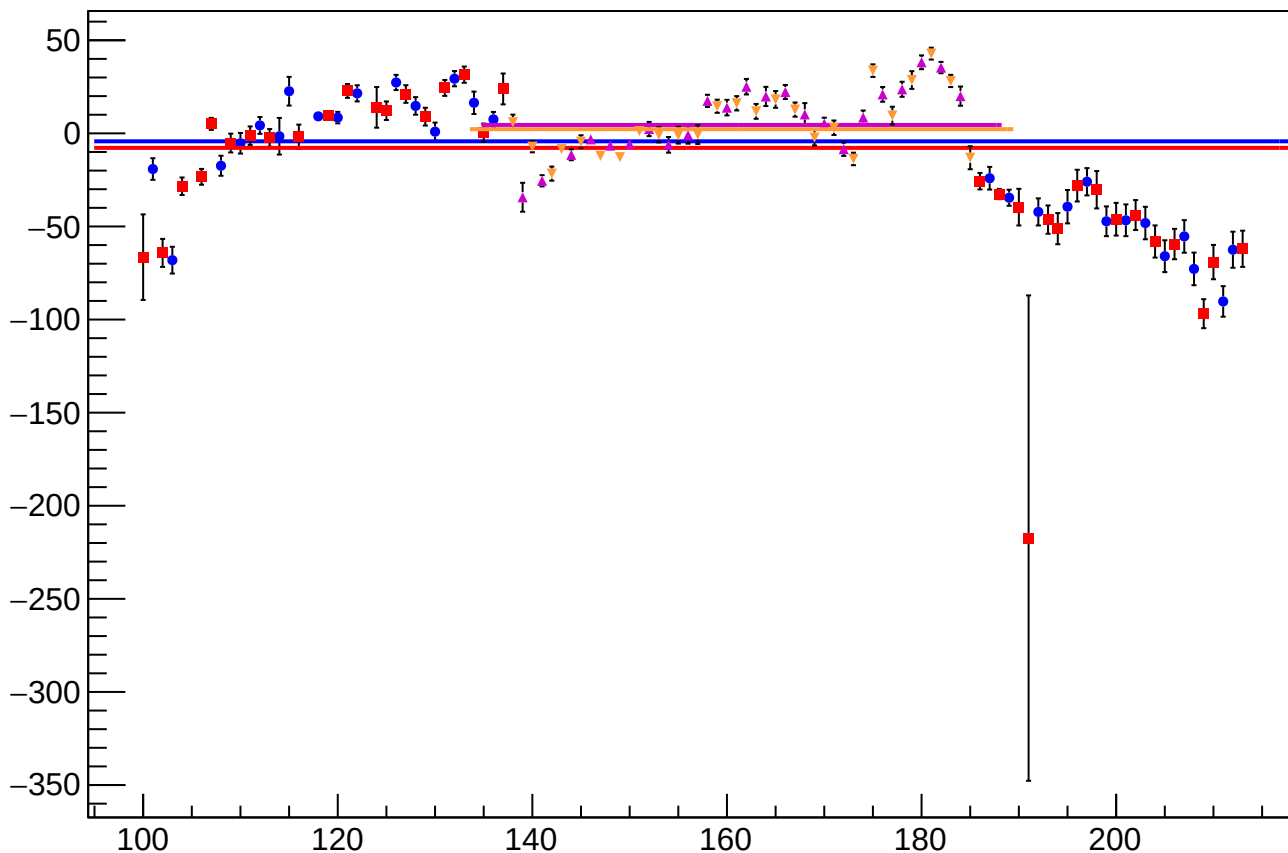
Left In: 200.521 ± 0.955 χ^2/NDF : 2111.4/22

+ sign 191.009 ± 0.629 χ^2/NDF : 6024.6/53

All: 194.891 ± 0.438 χ^2/NDF : 14588.5/110

- sign 198.540 ± 0.610 χ^2/NDF : 8489.9/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



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Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -7.800 ± 0.902 χ^2/NDF : 946.2/33

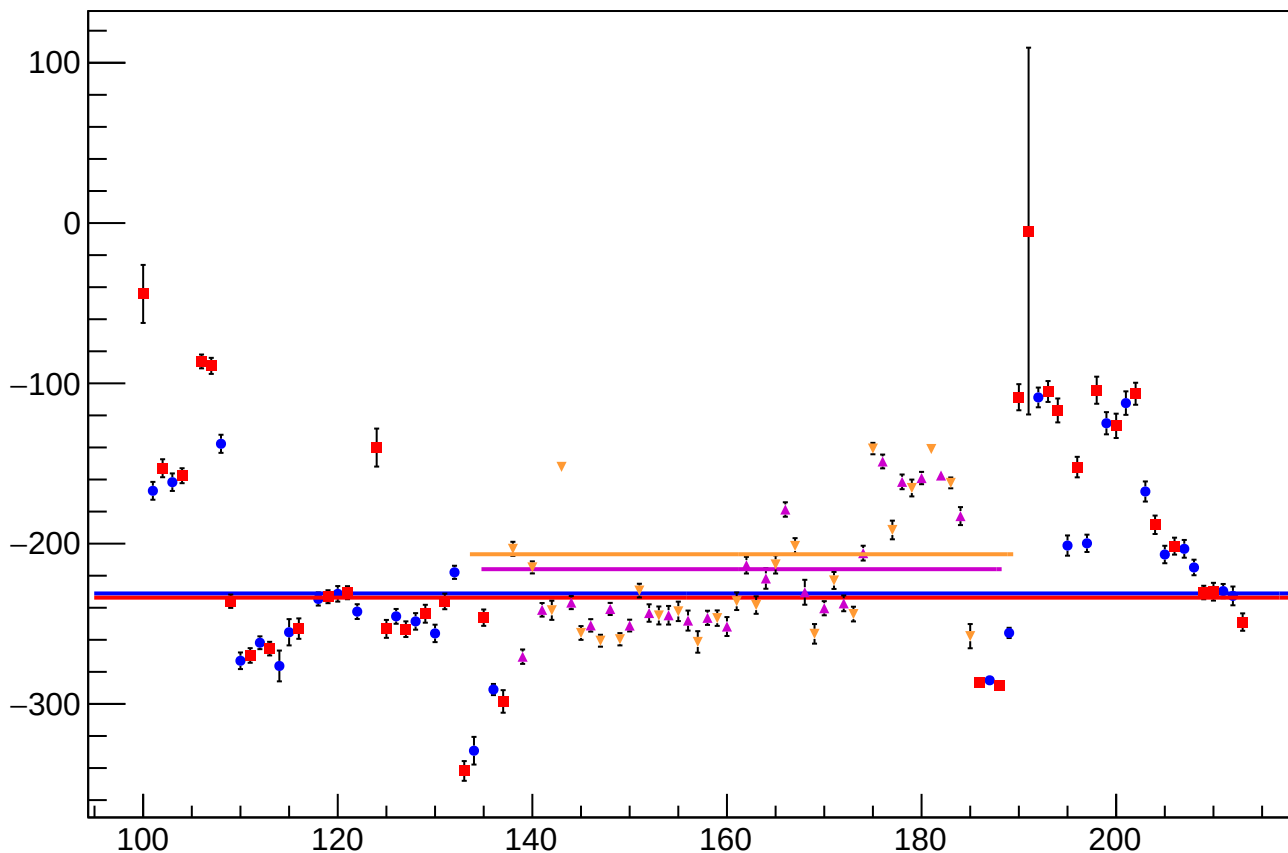
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+ sign 0.188 ± 0.550 χ^2/NDF : 1467.9/53

All: -0.019 ± 0.392 χ^2/NDF : 3076.1/110

- sign -0.234 ± 0.560 χ^2/NDF : 1607.9/56

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Left Out: -206.617 ± 0.895 χ^2/NDF : 2467.8/24

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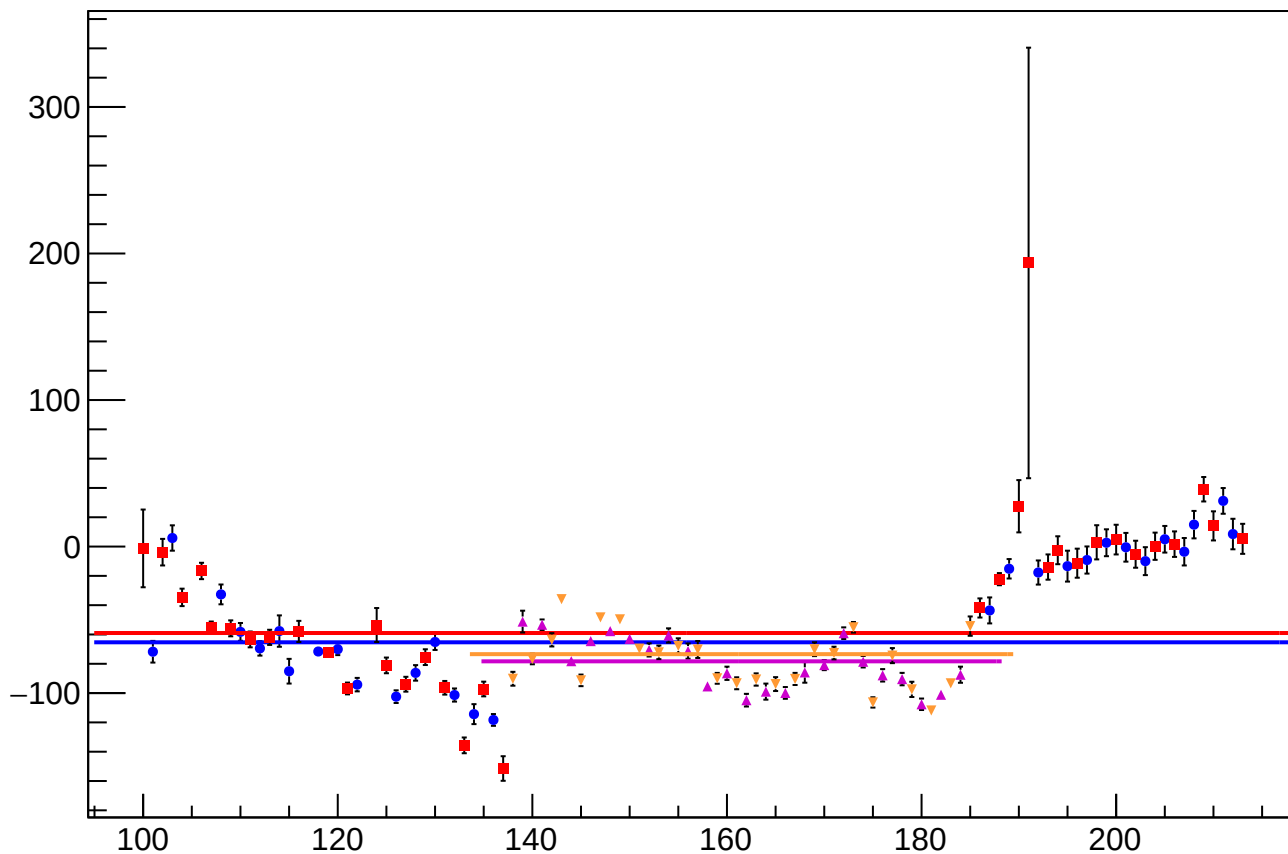
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+ sign -218.540 ± 0.641 χ^2/NDF : 5515.4/53

All: -222.602 ± 0.442 χ^2/NDF : 14177.8/110

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Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

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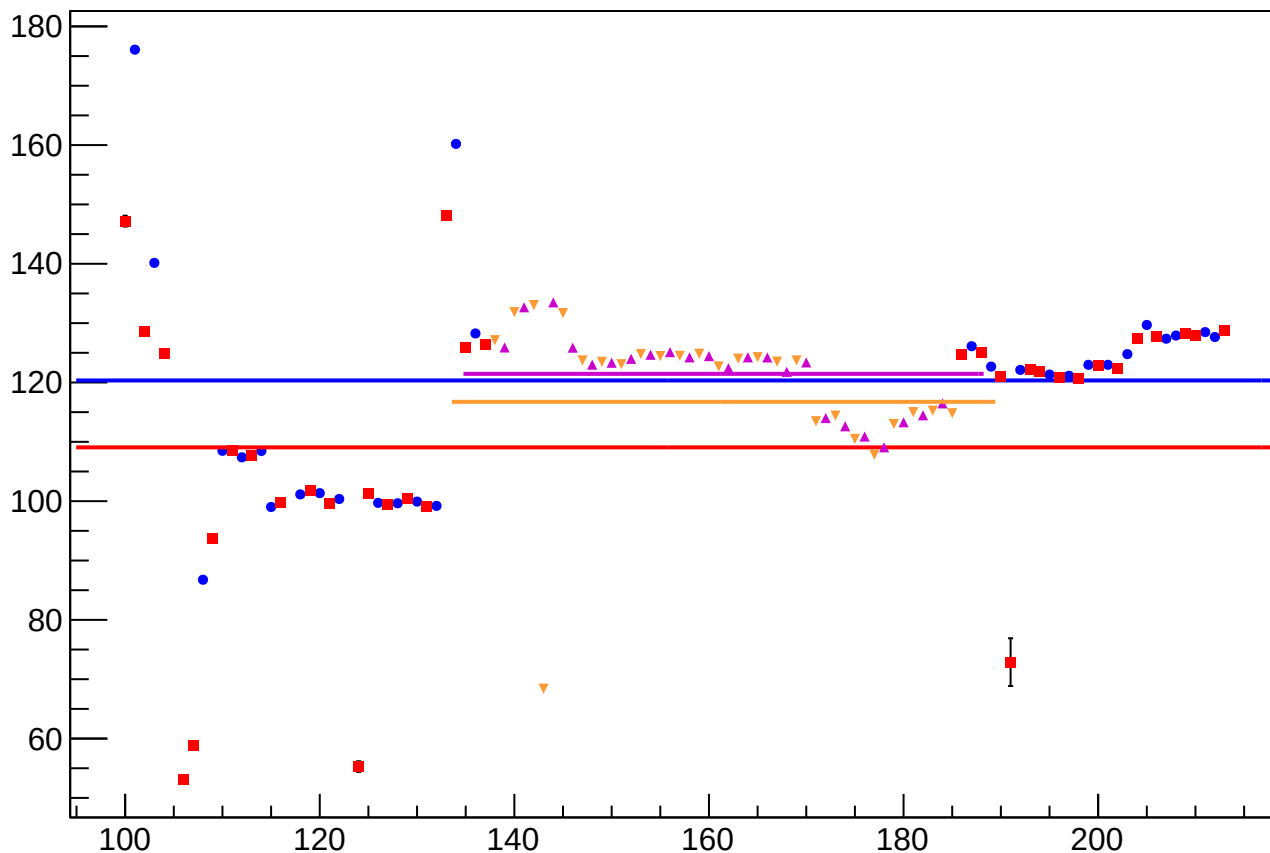
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All: -71.071 ± 0.455 χ^2/NDF : 4044.3/110

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Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 109.066 $\pm$ 0.055 χ^2 /NDF: 213683.9/33

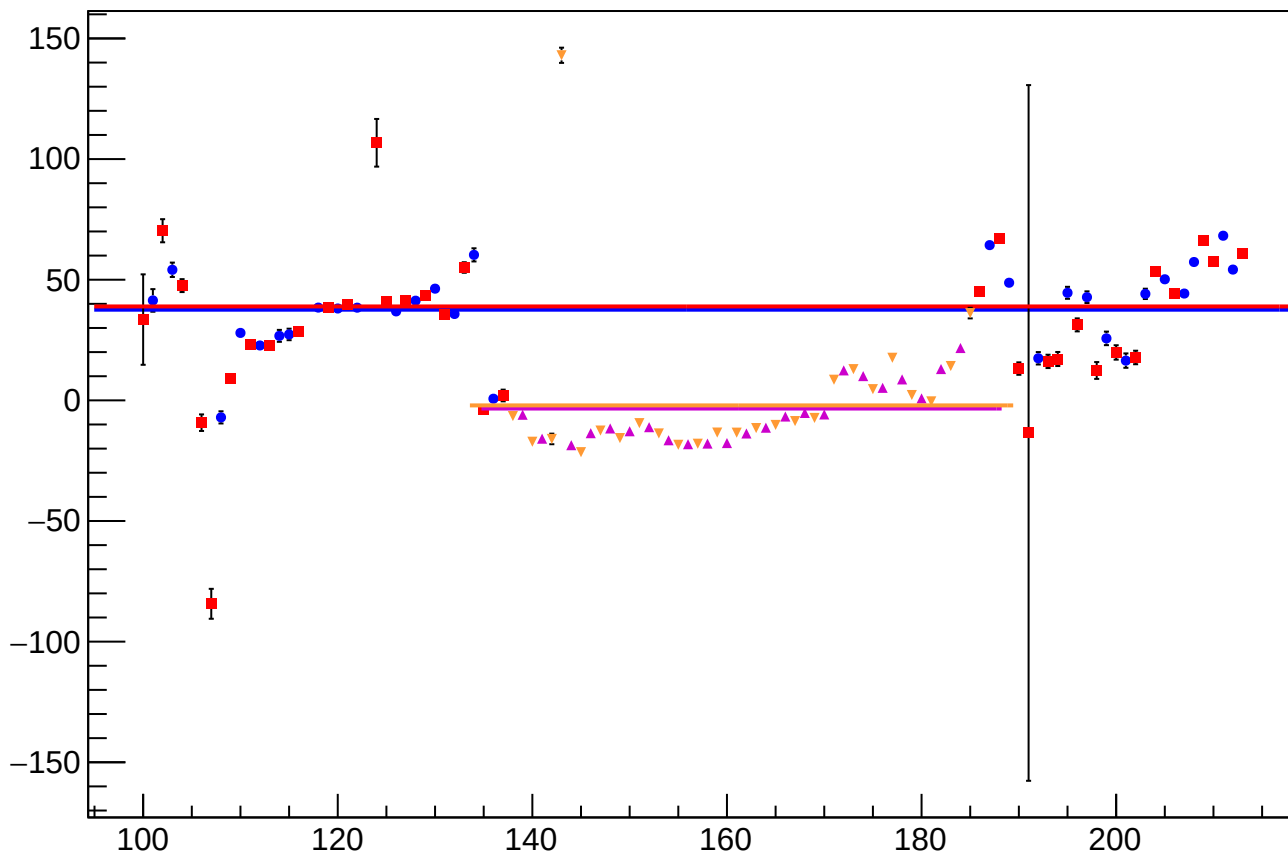
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.686 $\pm$ 0.031 χ^2 /NDF: 305351.9/53

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Left Out: -2.091 ± 0.267 χ^2/NDF : 4201.3/24

Right Out: 38.922 ± 0.294 χ^2/NDF : 5311.3/33

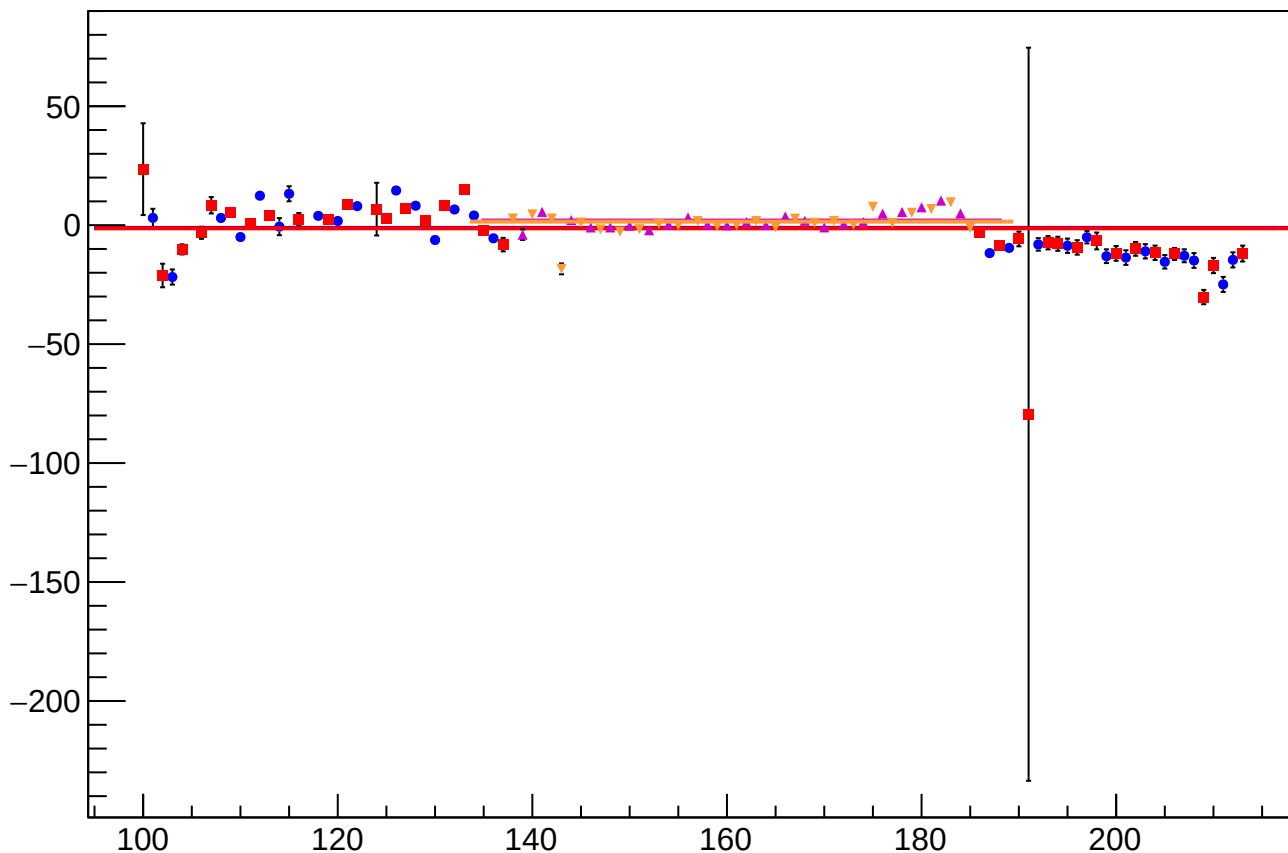
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Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: -1.337 ± 0.352 χ^2/NDF : 538.6/33

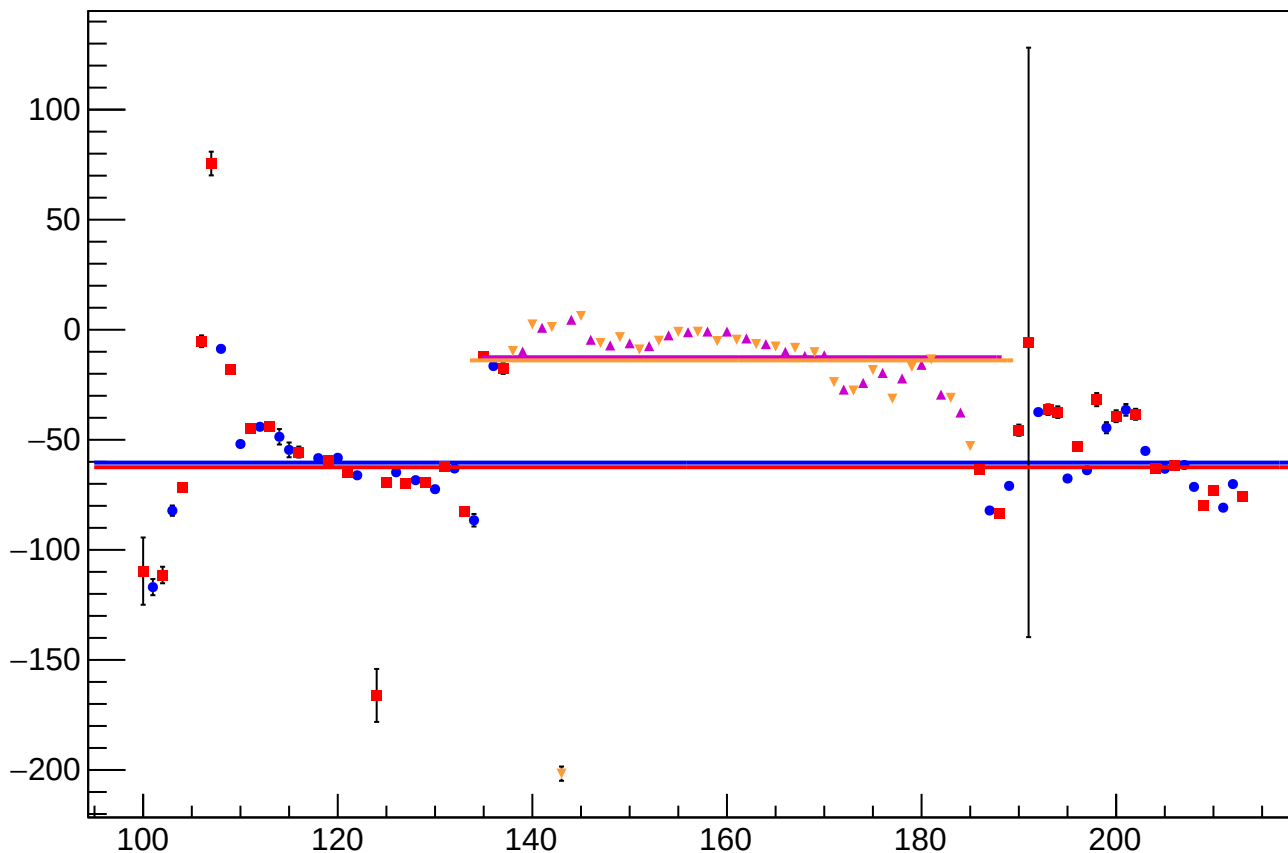
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 0.886 ± 0.180 χ^2/NDF : 953.2/53

All: 0.978 ± 0.127 χ^2/NDF : 1796.7/110

- sign 1.070 ± 0.181 χ^2/NDF : 843.0/56

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Right In: -60.357 ± 0.340 χ^2/NDF : 3565.5/28

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -62.467 ± 0.291 χ^2/NDF : 5674.6/33

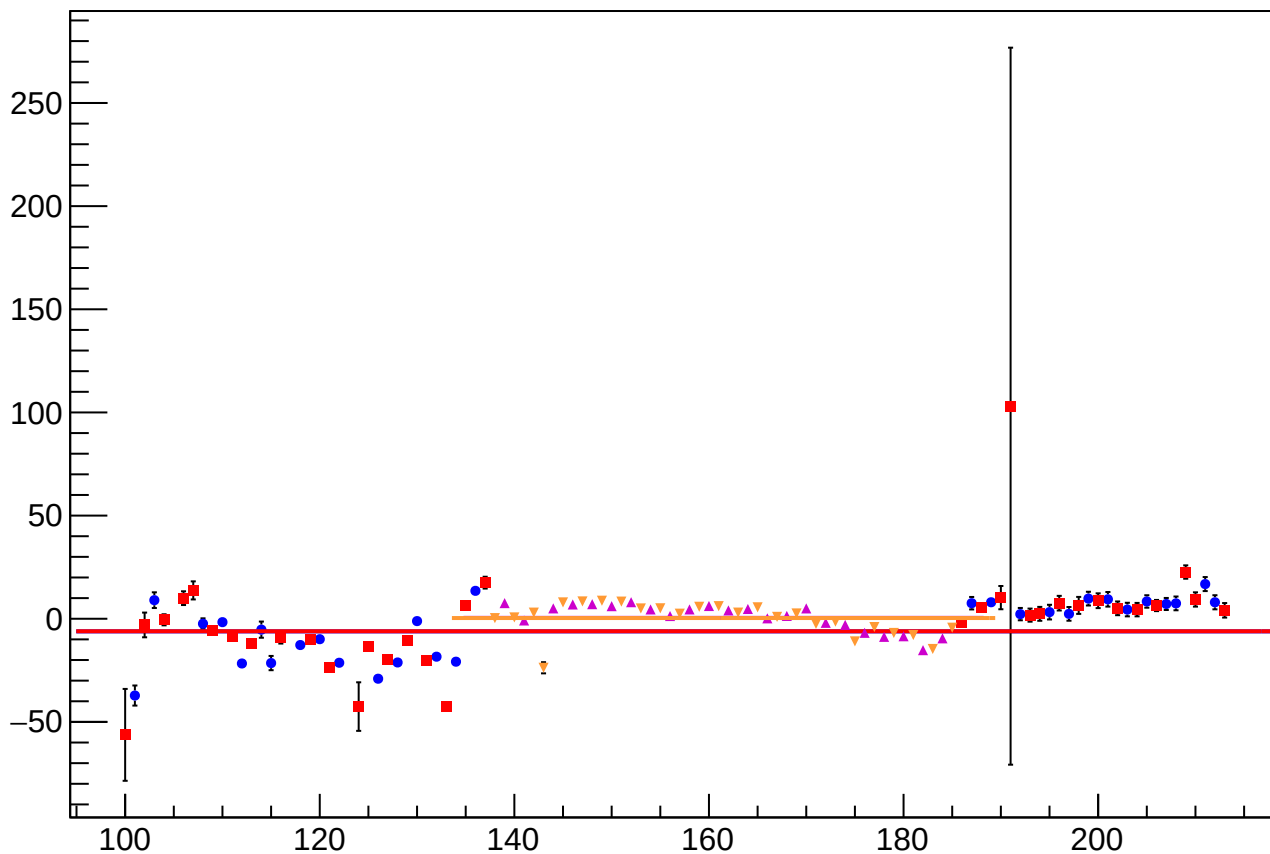
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All: -33.602 ± 0.143 χ^2/NDF : 43567.5/110

- sign -35.524 ± 0.197 χ^2/NDF : 23045.5/56

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Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -6.060 ± 0.421 χ^2/NDF : 1050.0/33

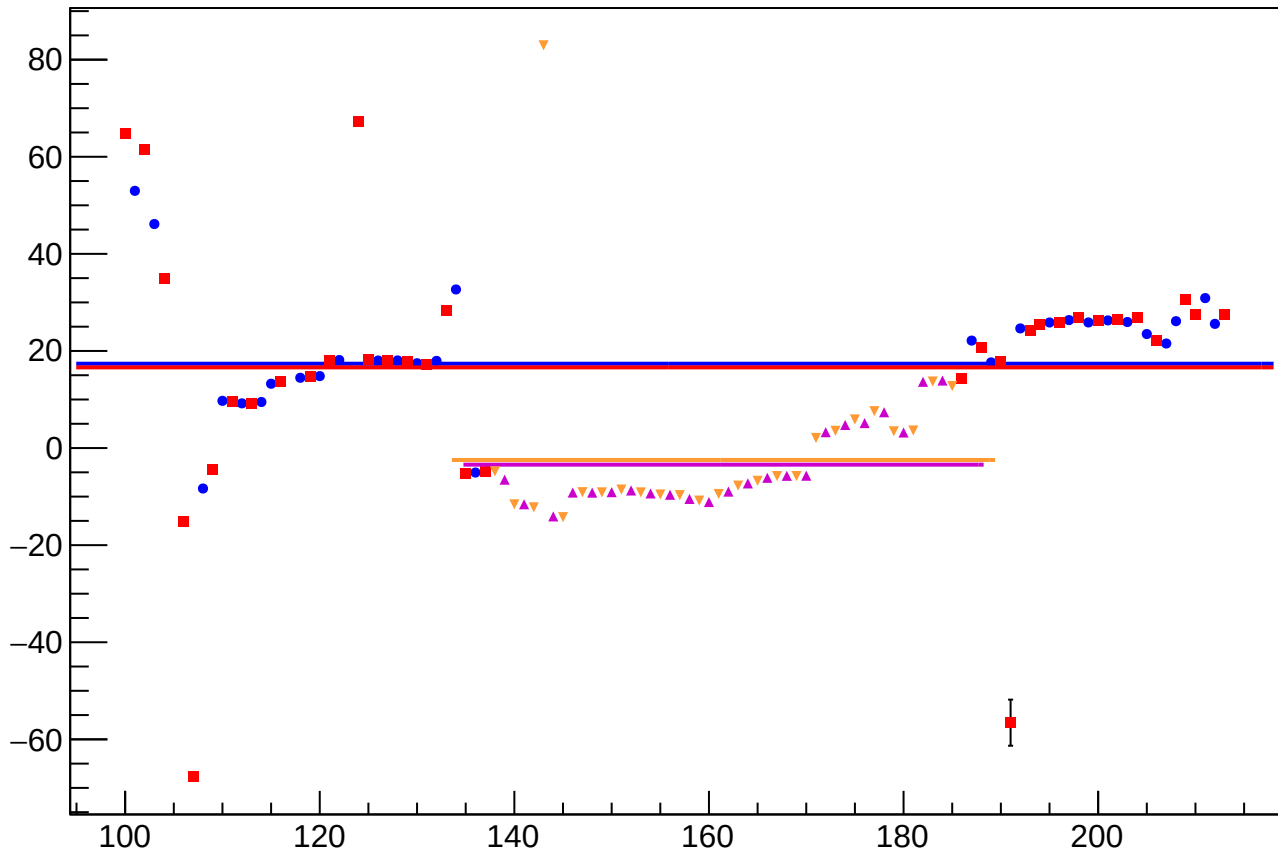
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.074 ± 0.204 χ^2/NDF : 2095.1/53

All: -1.100 ± 0.145 χ^2/NDF : 4107.9/110

- sign -1.126 ± 0.206 χ^2/NDF : 2012.9/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 17.371 $\pm$ 0.022 χ^2 /NDF: 448130.4/28

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 16.617 $\pm$ 0.022 χ^2 /NDF: 575446.6/33

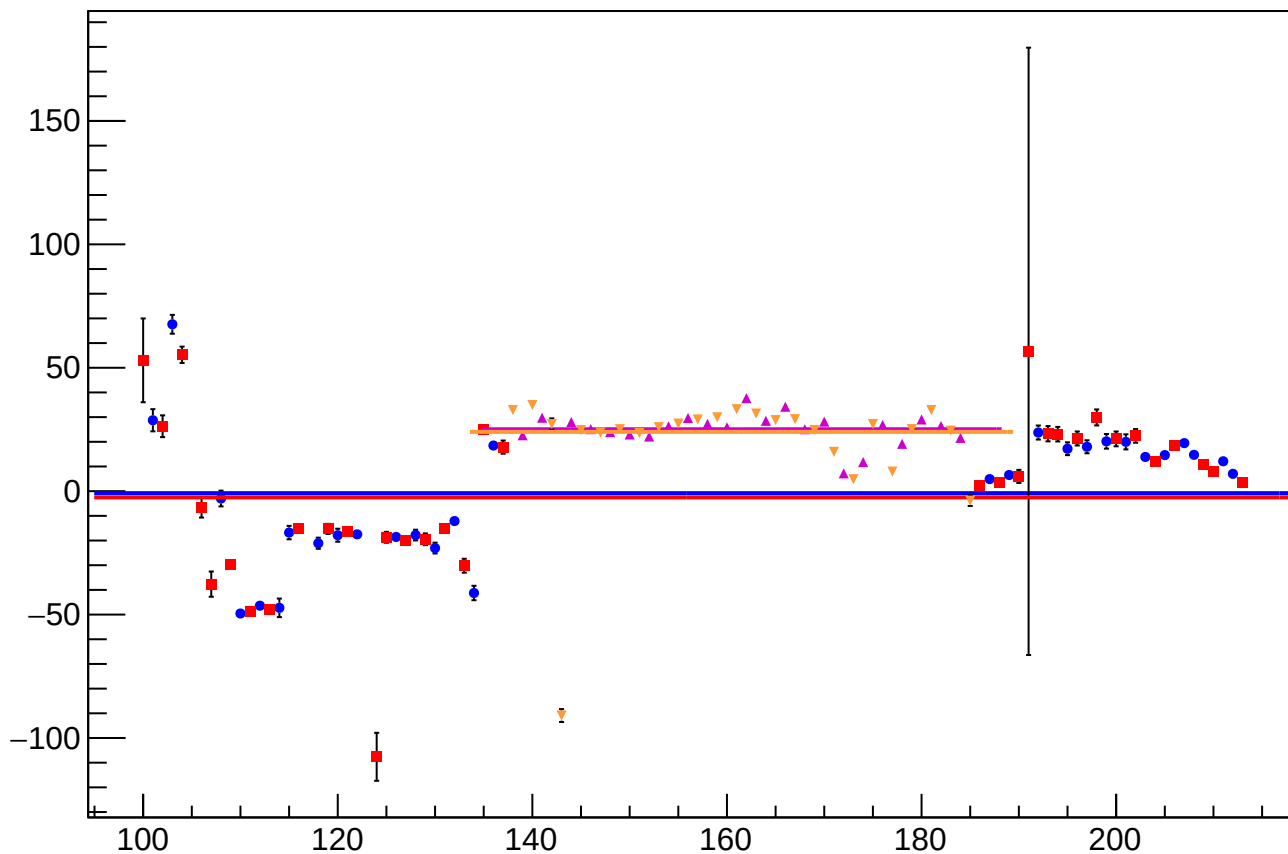
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign 1.128 $\pm$ 0.009 χ^2 /NDF: 2072016.8/53

All: 0.724 $\pm$ 0.007 χ^2 /NDF: 3884542.3/110

- sign 0.317 $\pm$ 0.009 χ^2 /NDF: 1808804.6/56

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -0.801 ± 0.379 χ^2/NDF : 3674.9/28

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -2.526 ± 0.353 χ^2/NDF : 3889.2/33

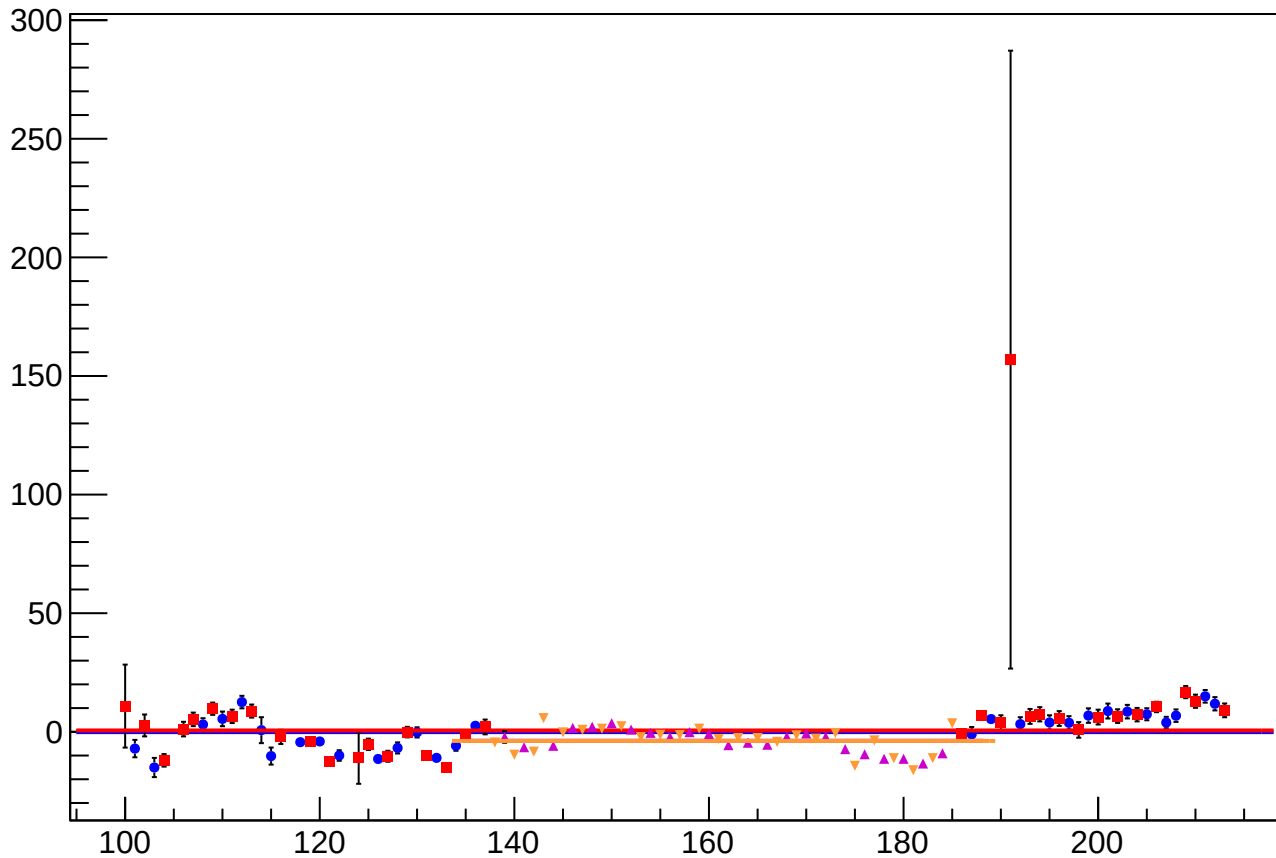
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.179 ± 0.226 χ^2/NDF : 9238.5/53

All: 14.630 ± 0.159 χ^2/NDF : 17314.2/110

- sign 14.098 ± 0.223 χ^2/NDF : 8064.1/56

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.131 ± 0.446 χ^2/NDF : 268.1/28

Left Out: -3.845 ± 0.218 χ^2/NDF : 649.4/24

Right Out: 0.567 ± 0.428 χ^2/NDF : 355.3/33

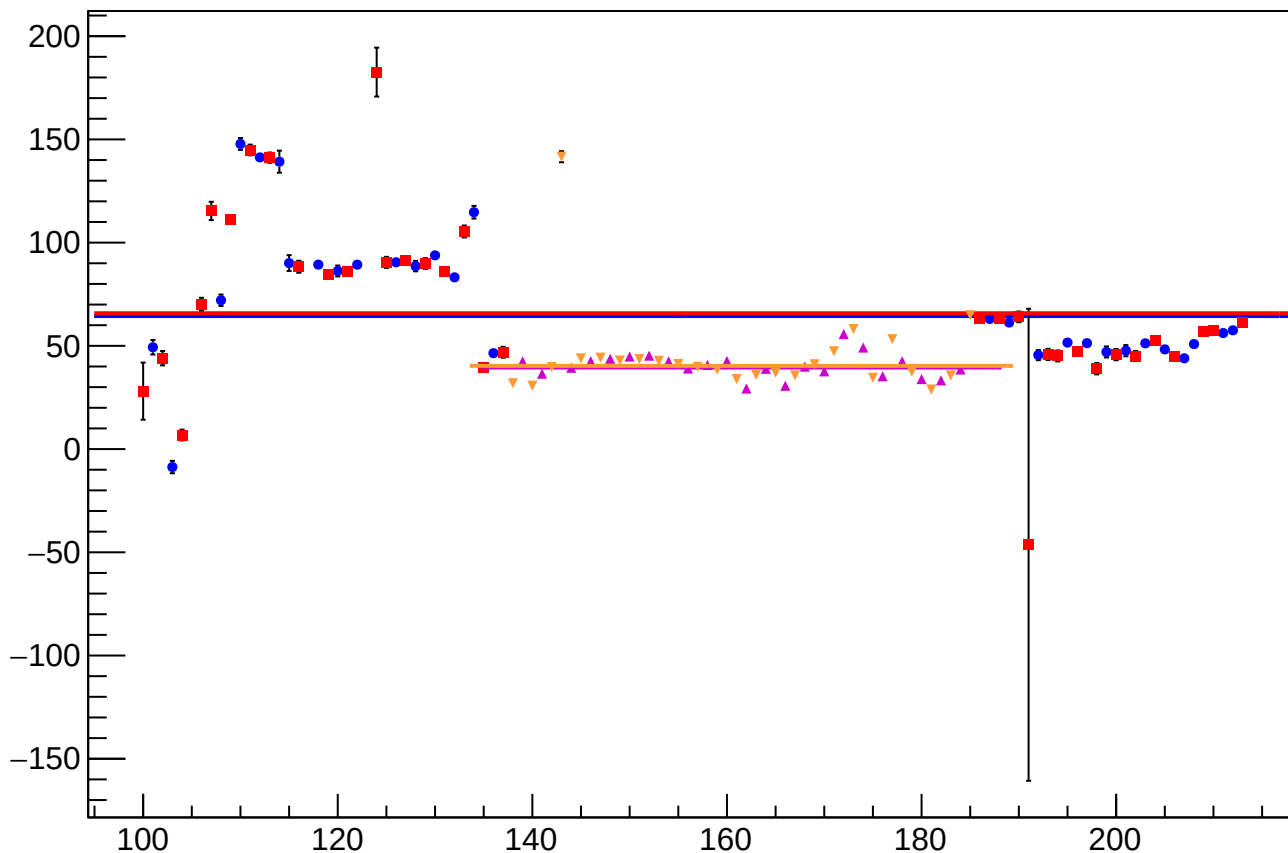
Left In: -3.780 ± 0.224 χ^2/NDF : 509.8/22

+ sign -3.129 ± 0.196 χ^2/NDF : 973.5/53

All: -2.990 ± 0.139 χ^2/NDF : 1920.8/110

- sign -2.847 ± 0.198 χ^2/NDF : 946.3/56

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 64.435 ± 0.387 χ^2/NDF : 4659.8/28

Left Out: 40.315 ± 0.280 χ^2/NDF : 2182.8/24

Right Out: 65.795 ± 0.352 χ^2/NDF : 4834.1/33

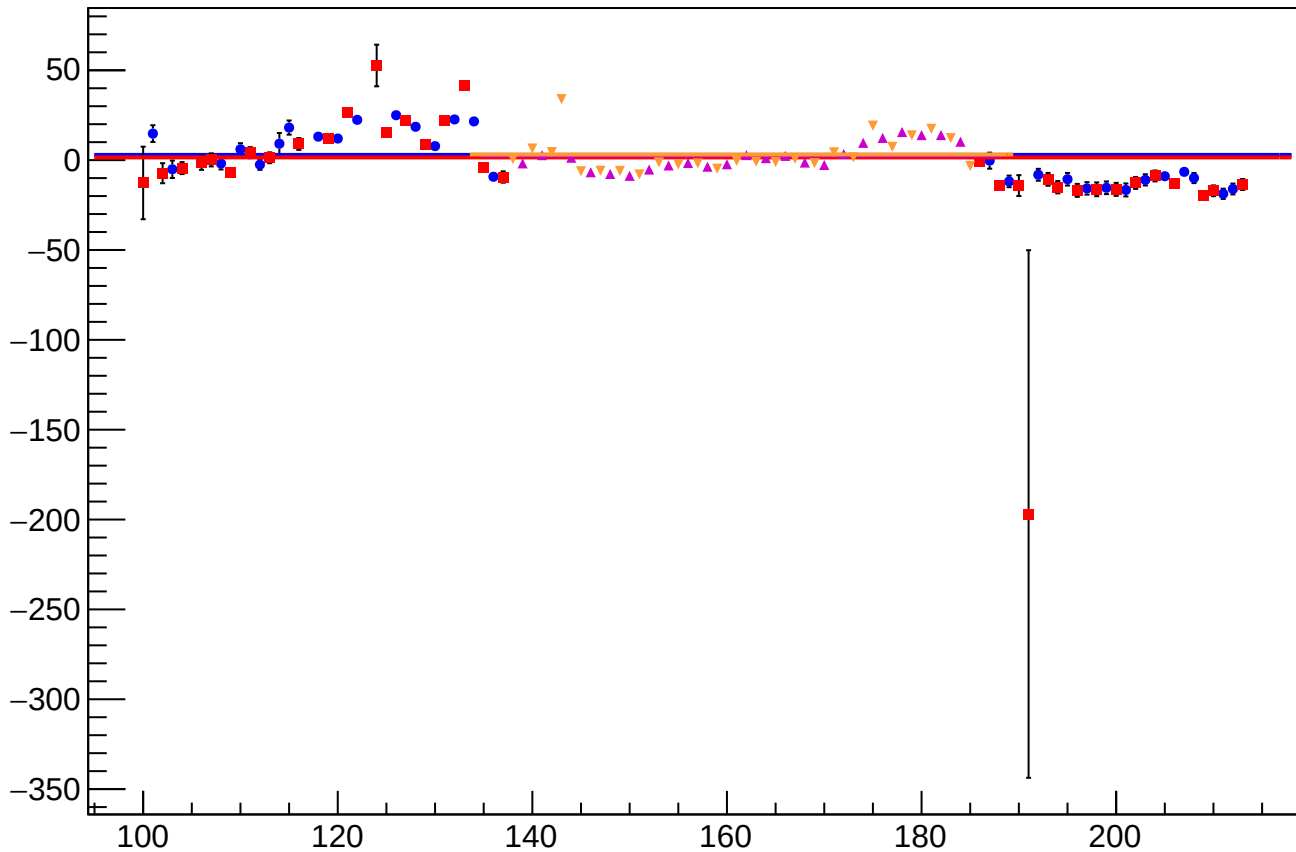
Left In: 39.504 ± 0.285 χ^2/NDF : 432.1/22

+ sign 48.616 ± 0.227 χ^2/NDF : 9393.4/53

All: 49.268 ± 0.158 χ^2/NDF : 18044.3/110

- sign 49.890 ± 0.221 χ^2/NDF : 8634.7/56

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.901 ± 0.509 χ^2/NDF : 804.2/28

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 1.516 ± 0.501 χ^2/NDF : 1026.2/33

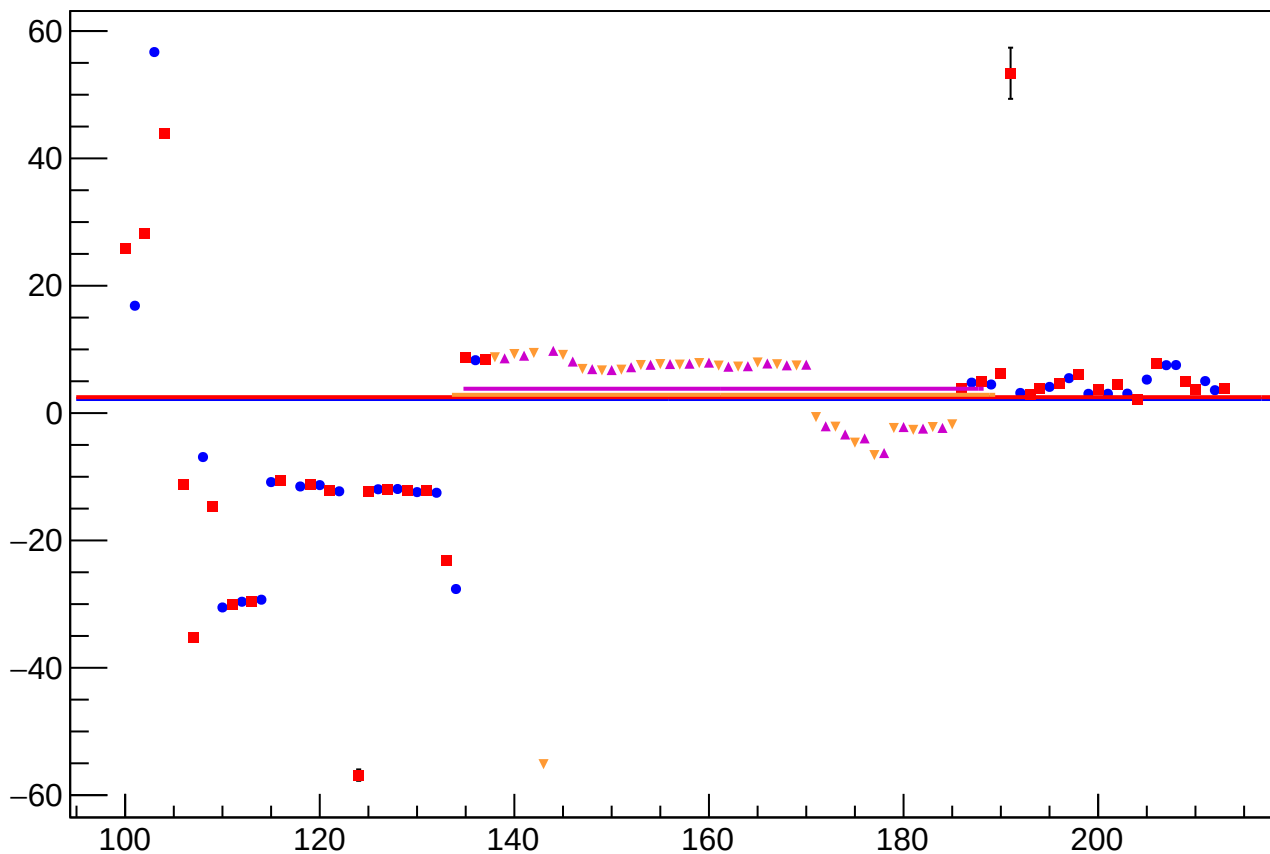
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 3.097 ± 0.221 χ^2/NDF : 2071.4/53

All: 2.713 ± 0.158 χ^2/NDF : 4075.0/110

- sign 2.317 ± 0.224 χ^2/NDF : 1997.5/56

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



Right In: 2.212 $\pm$ 0.024 χ^2 /NDF: 382934.0/28

Left Out: 2.870 $\pm$ 0.011 χ^2 /NDF: 512331.0/24

Right Out: 2.499 $\pm$ 0.024 χ^2 /NDF: 330756.2/33

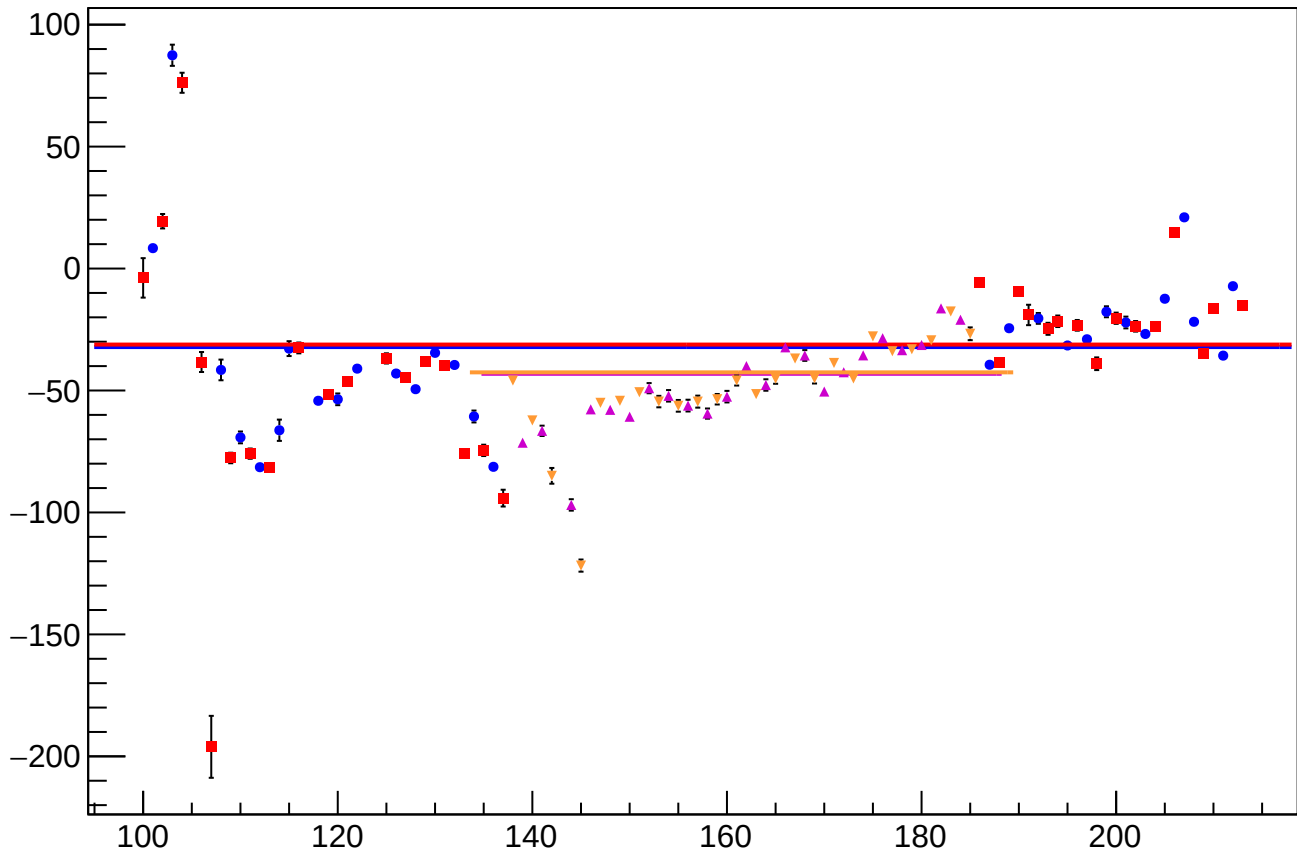
Left In: 3.825 $\pm$ 0.011 χ^2 /NDF: 233224.7/22

+ sign 2.757 $\pm$ 0.010 χ^2 /NDF: 895884.1/53

All: 3.170 $\pm$ 0.007 χ^2 /NDF: 1465845.1/110

- sign 3.590 $\pm$ 0.010 χ^2 /NDF: 566508.4/56

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -32.193 ± 0.350 $\chi^2/\text{NDF}: 5314.7/28$

Left Out: -42.560 ± 0.378 $\chi^2/\text{NDF}: 2326.4/23$

Right Out: -31.171 ± 0.316 $\chi^2/\text{NDF}: 6505.4/32$

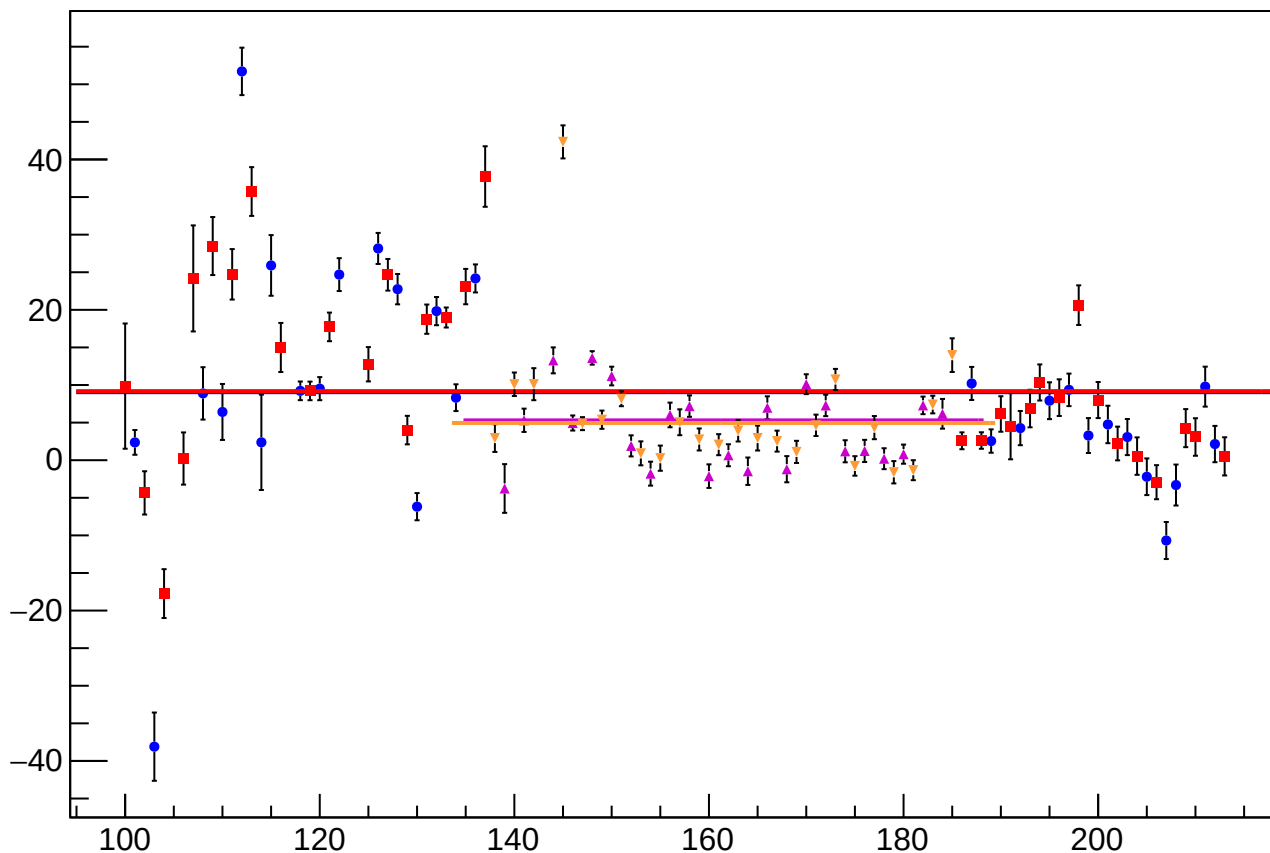
Left In: -43.152 ± 0.382 $\chi^2/\text{NDF}: 2206.6/22$

+ sign -36.977 ± 0.257 $\chi^2/\text{NDF}: 8045.5/52$

All: -36.489 ± 0.177 $\chi^2/\text{NDF}: 17348.9/108$

- sign -36.051 ± 0.243 $\chi^2/\text{NDF}: 9296.6/55$

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 9.047 ± 0.401 χ^2/NDF : 831.3/28

Left Out: 4.954 ± 0.288 χ^2/NDF : 449.1/23

Right Out: 9.184 ± 0.376 χ^2/NDF : 631.7/32

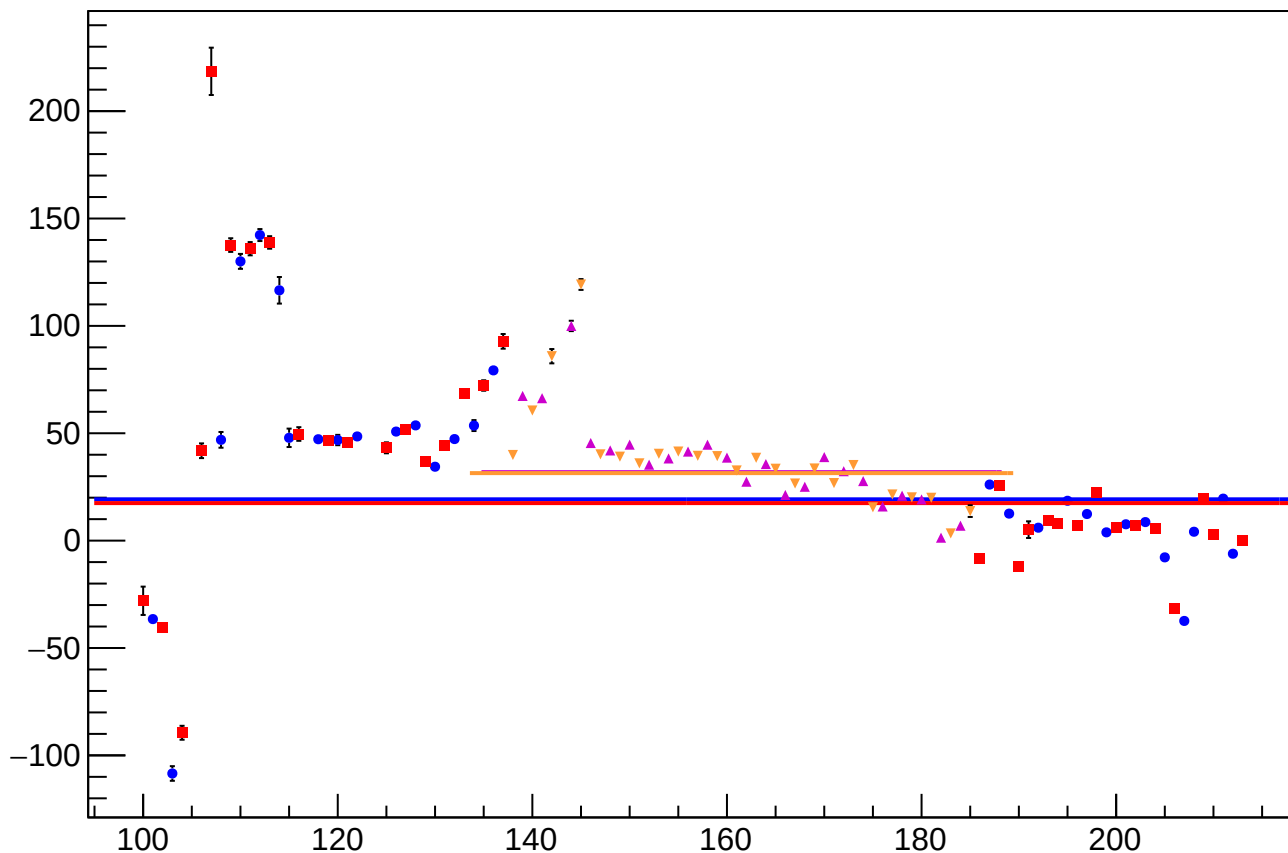
Left In: 5.292 ± 0.294 χ^2/NDF : 286.4/22

+ sign 6.349 ± 0.234 χ^2/NDF : 1349.0/52

All: 6.562 ± 0.165 χ^2/NDF : 2335.2/108

- sign 6.771 ± 0.232 χ^2/NDF : 984.5/55

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 19.239 $\pm$ 0.345 χ^2 /NDF: 11023.9/28

Left Out: 31.439 $\pm$ 0.376 χ^2 /NDF: 2762.0/23

Right Out: 17.477 $\pm$ 0.300 χ^2 /NDF: 12835.0/32

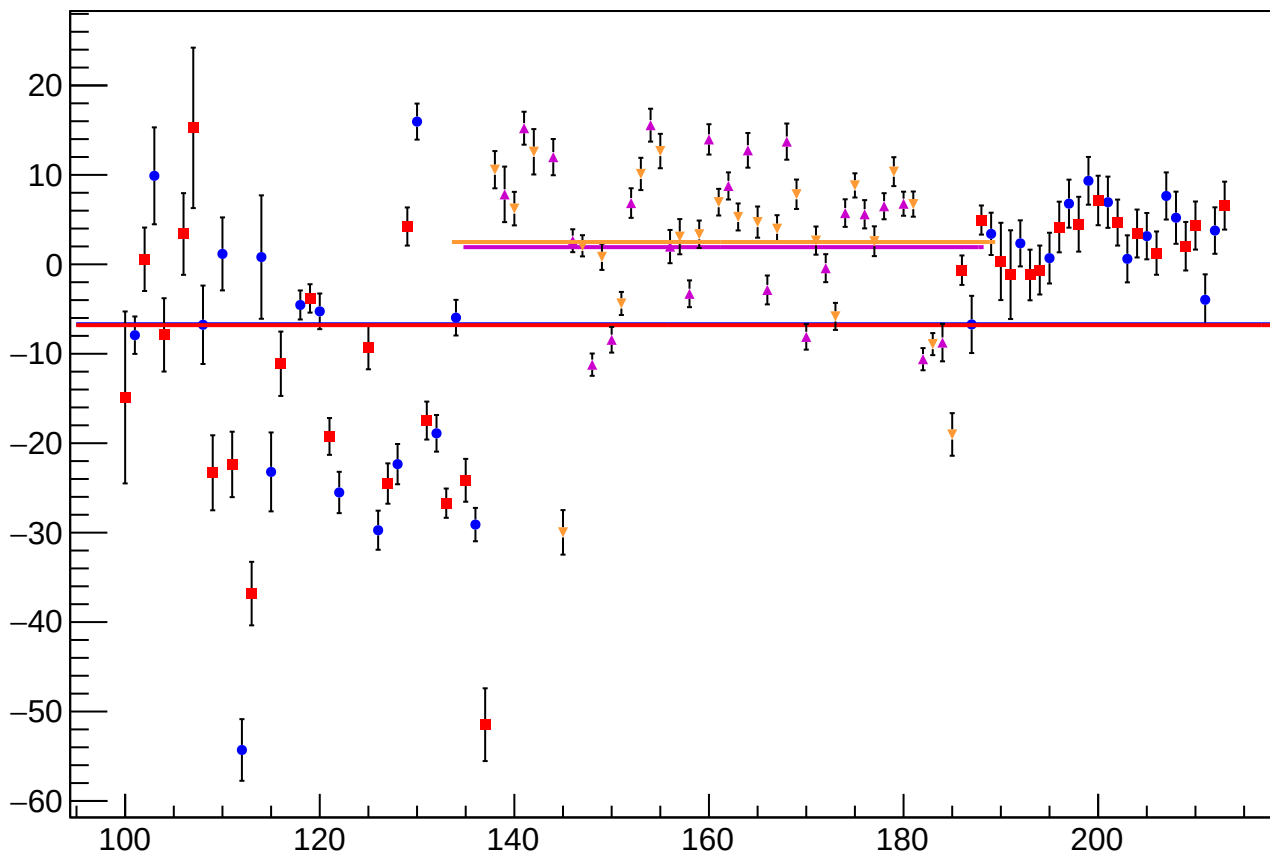
Left In: 31.895 $\pm$ 0.378 χ^2 /NDF: 2767.3/22

+ sign 24.822 $\pm$ 0.254 χ^2 /NDF: 14358.4/52

All: 23.869 $\pm$ 0.173 χ^2 /NDF: 30878.5/108

- sign 23.053 $\pm$ 0.235 χ^2 /NDF: 16494.0/55

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -6.702 ± 0.468 χ^2/NDF : 960.6/28

Left Out: 2.494 ± 0.327 χ^2/NDF : 558.7/23

Right Out: -6.801 ± 0.453 χ^2/NDF : 829.6/32

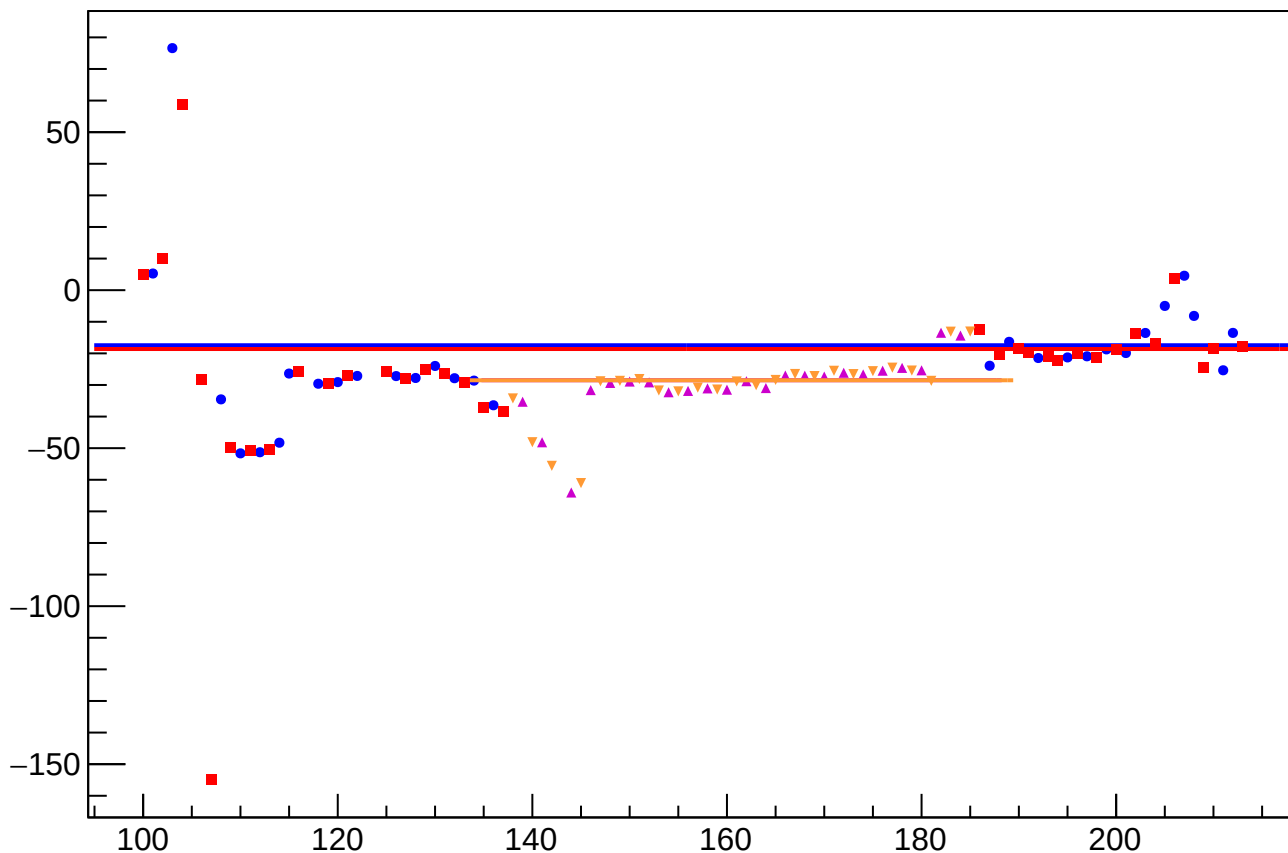
Left In: 1.921 ± 0.332 χ^2/NDF : 678.8/22

+ sign -0.517 ± 0.268 χ^2/NDF : 1778.6/52

All: -0.824 ± 0.189 χ^2/NDF : 3531.1/108

- sign -1.130 ± 0.268 χ^2/NDF : 1749.9/55

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.427 ± 0.022 χ^2/NDF : 731191.4/28

Left Out: -28.513 ± 0.015 χ^2/NDF : 333774.3/23

Right Out: -18.621 ± 0.021 χ^2/NDF : 625399.2/32

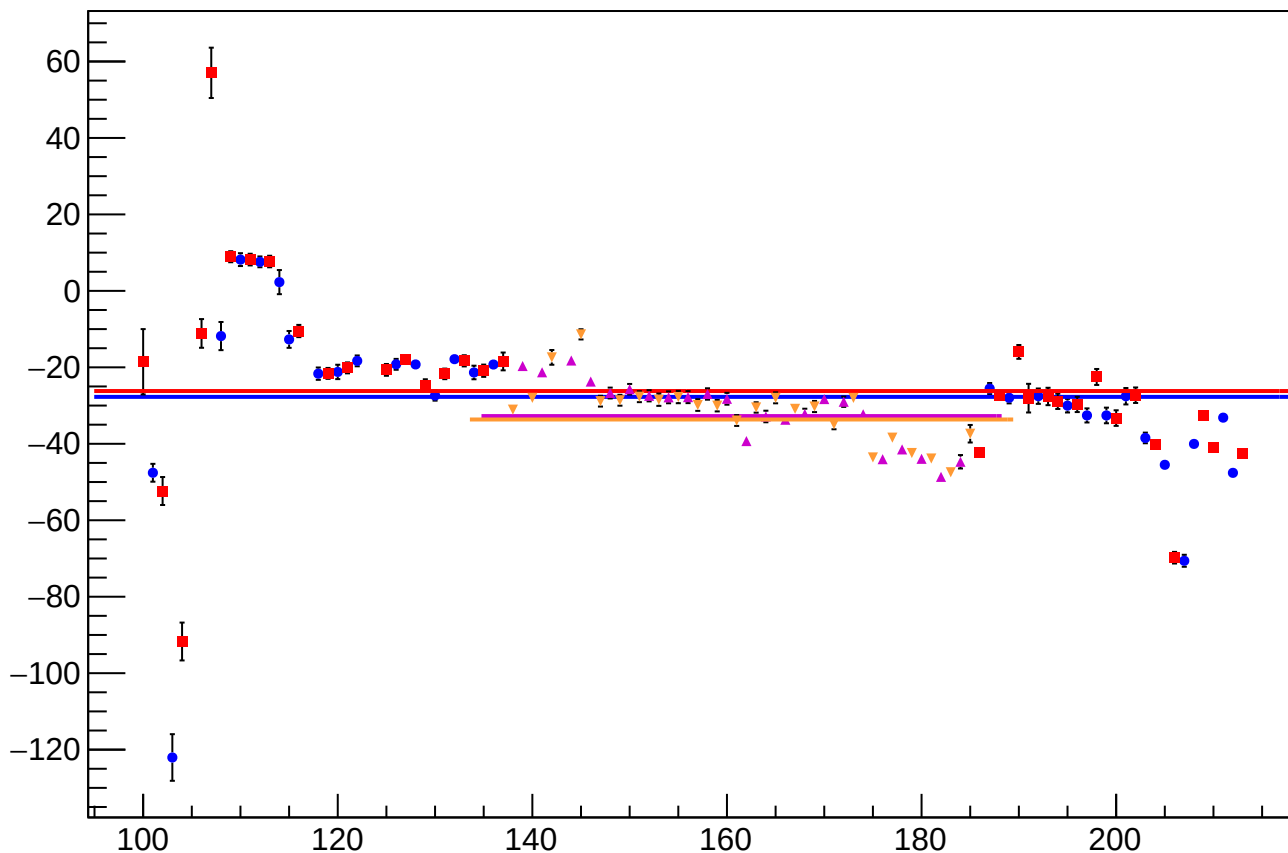
Left In: -28.495 ± 0.015 χ^2/NDF : 287757.4/22

+ sign -25.026 ± 0.012 χ^2/NDF : 1242284.6/52

All: -25.132 ± 0.009 χ^2/NDF : 2302336.1/108

- sign -25.236 ± 0.012 χ^2/NDF : 1059902.4/55

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -27.725 ± 0.284 χ^2/NDF : 3309.6/28

Left Out: -33.643 ± 0.265 χ^2/NDF : 1015.9/23

Right Out: -26.201 ± 0.270 χ^2/NDF : 3887.6/32

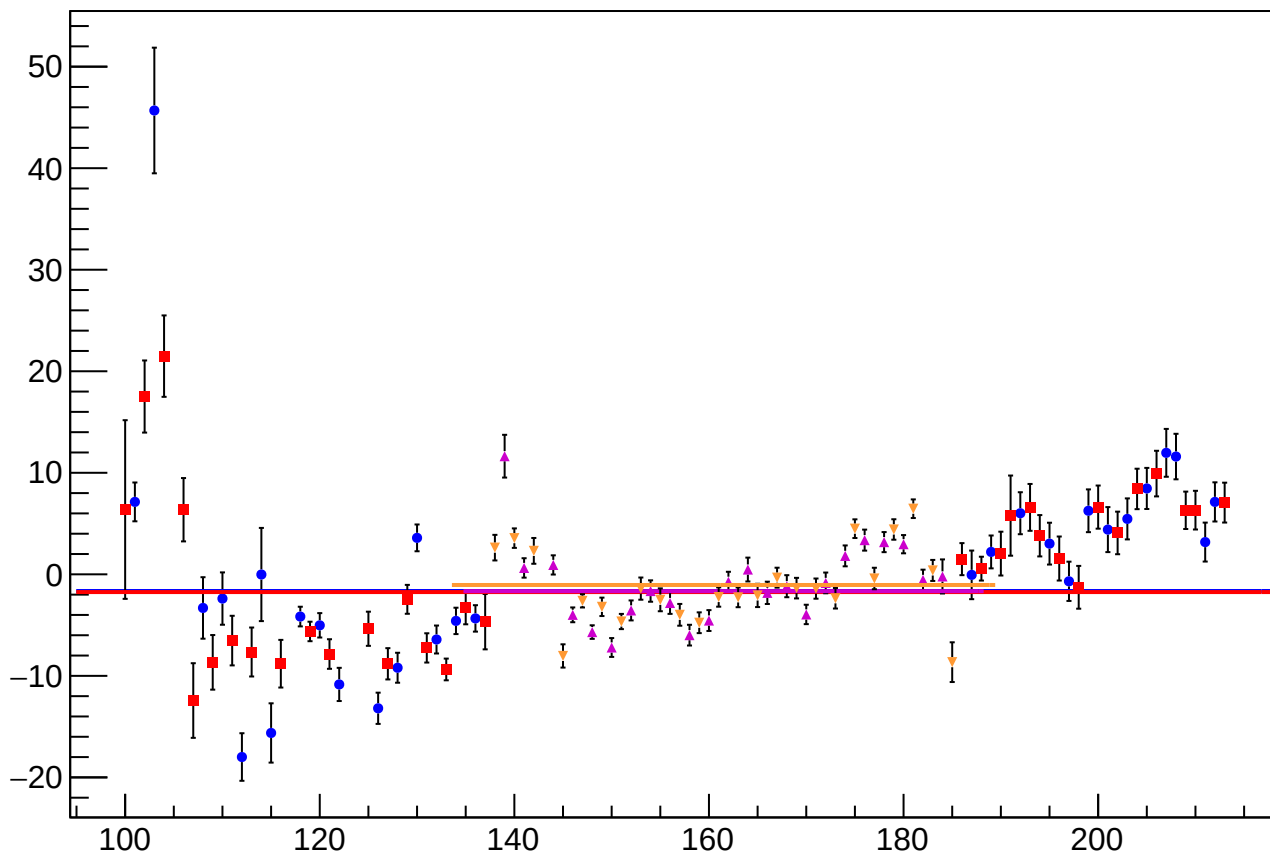
Left In: -32.750 ± 0.269 χ^2/NDF : 1143.5/22

+ sign -30.891 ± 0.194 χ^2/NDF : 4557.2/52

All: -30.181 ± 0.136 χ^2/NDF : 9910.2/108

- sign -29.496 ± 0.190 χ^2/NDF : 5326.6/55

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.644 ± 0.327 $\chi^2/\text{NDF}: 497.2/28$

Left Out: -1.050 ± 0.203 $\chi^2/\text{NDF}: 289.4/23$

Right Out: -1.747 ± 0.321 $\chi^2/\text{NDF}: 402.8/32$

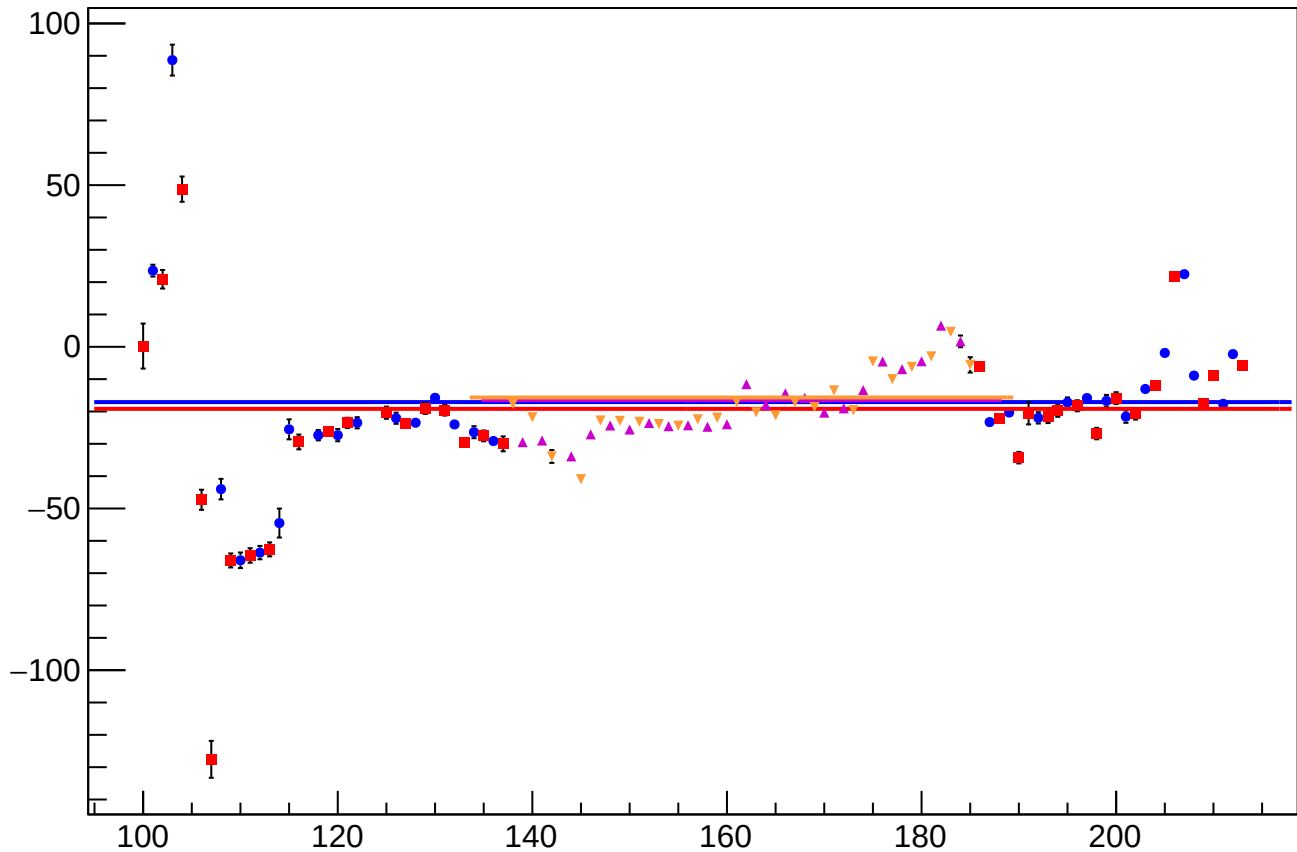
Left In: -1.659 ± 0.207 $\chi^2/\text{NDF}: 264.4/22$

+ sign -1.215 ± 0.172 $\chi^2/\text{NDF}: 789.0/52$

All: -1.448 ± 0.122 $\chi^2/\text{NDF}: 1459.9/108$

- sign -1.685 ± 0.174 $\chi^2/\text{NDF}: 667.2/55$

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -17.092 ± 0.291 χ^2/NDF : 3432.8/28

Left Out: -15.674 ± 0.263 χ^2/NDF : 1520.8/23

Right Out: -19.182 ± 0.272 χ^2/NDF : 3723.9/32

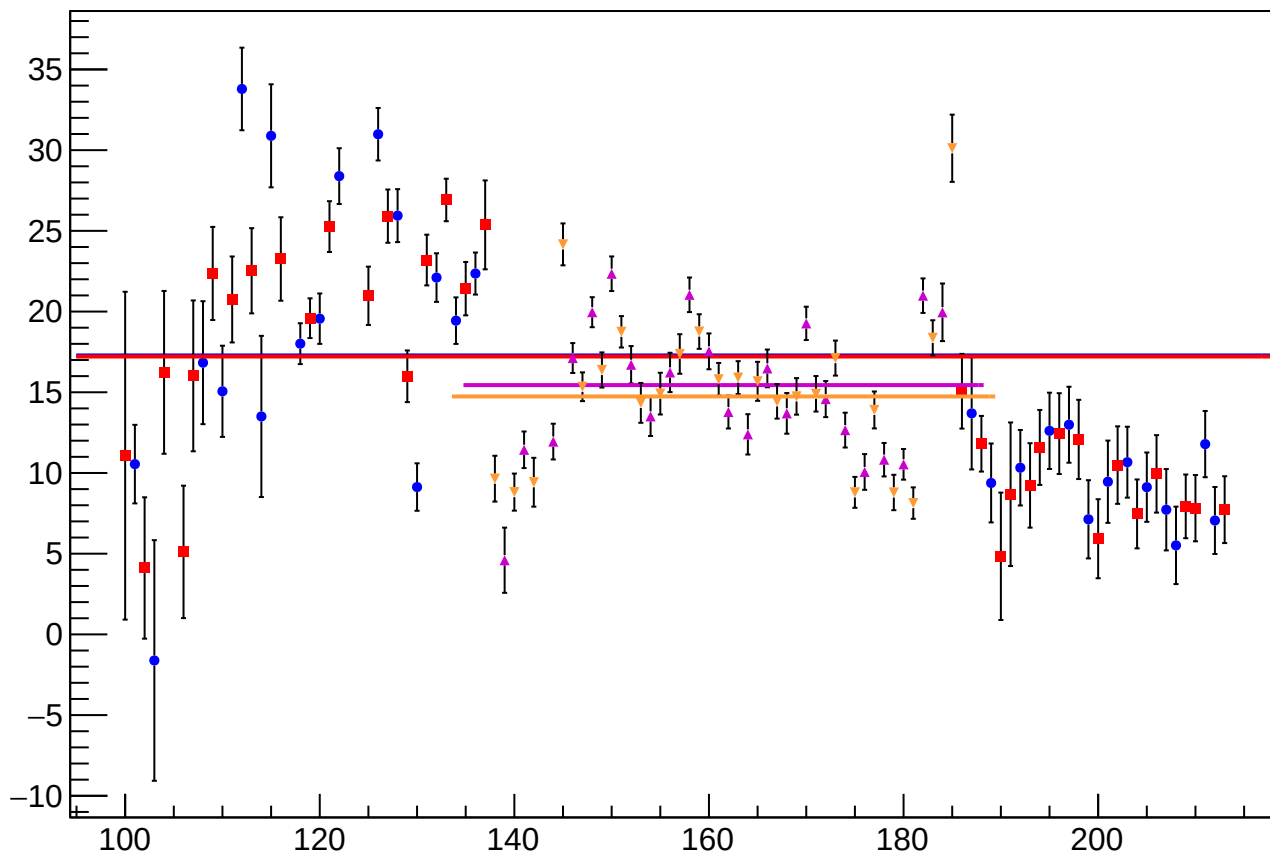
Left In: -16.480 ± 0.266 χ^2/NDF : 1697.7/22

+ sign -16.311 ± 0.195 χ^2/NDF : 4966.7/52

All: -17.075 ± 0.136 χ^2/NDF : 10468.5/108

- sign -17.800 ± 0.190 χ^2/NDF : 5472.0/55

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.282 $\pm$ 0.375 χ^2/NDF : 424.1/28

Left Out: 14.740 $\pm$ 0.229 χ^2/NDF : 331.0/23

Right Out: 17.215 $\pm$ 0.375 χ^2/NDF : 349.8/32

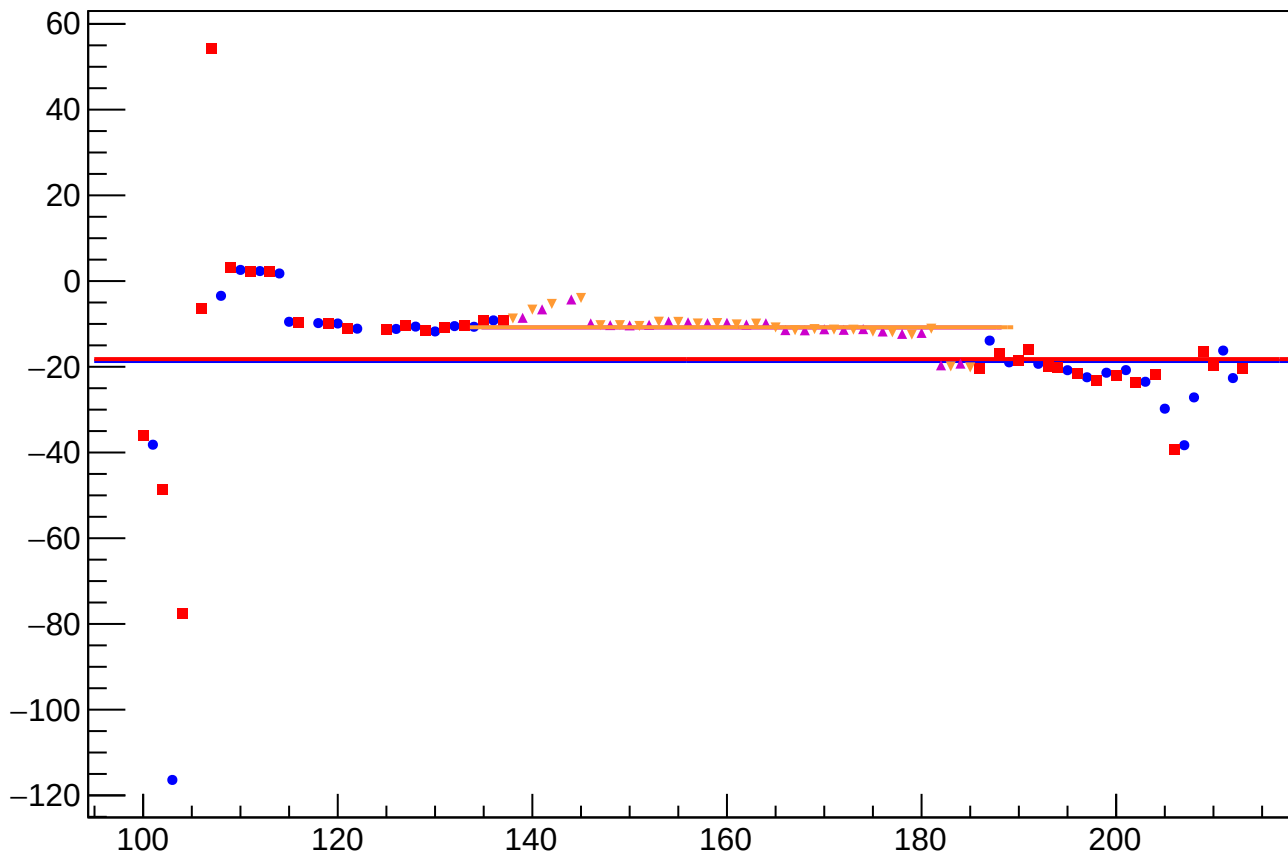
Left In: 15.444 $\pm$ 0.233 χ^2/NDF : 290.4/22

+ sign 15.432 $\pm$ 0.196 χ^2/NDF : 788.5/52

All: 15.682 $\pm$ 0.139 χ^2/NDF : 1448.1/108

- sign 15.938 $\pm$ 0.198 χ^2/NDF : 656.3/55

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.655 ± 0.018 $\chi^2/\text{NDF}: 456194.0/28$

Left Out: -10.778 ± 0.010 $\chi^2/\text{NDF}: 84755.9/23$

Right Out: -18.203 ± 0.018 $\chi^2/\text{NDF}: 433272.8/32$

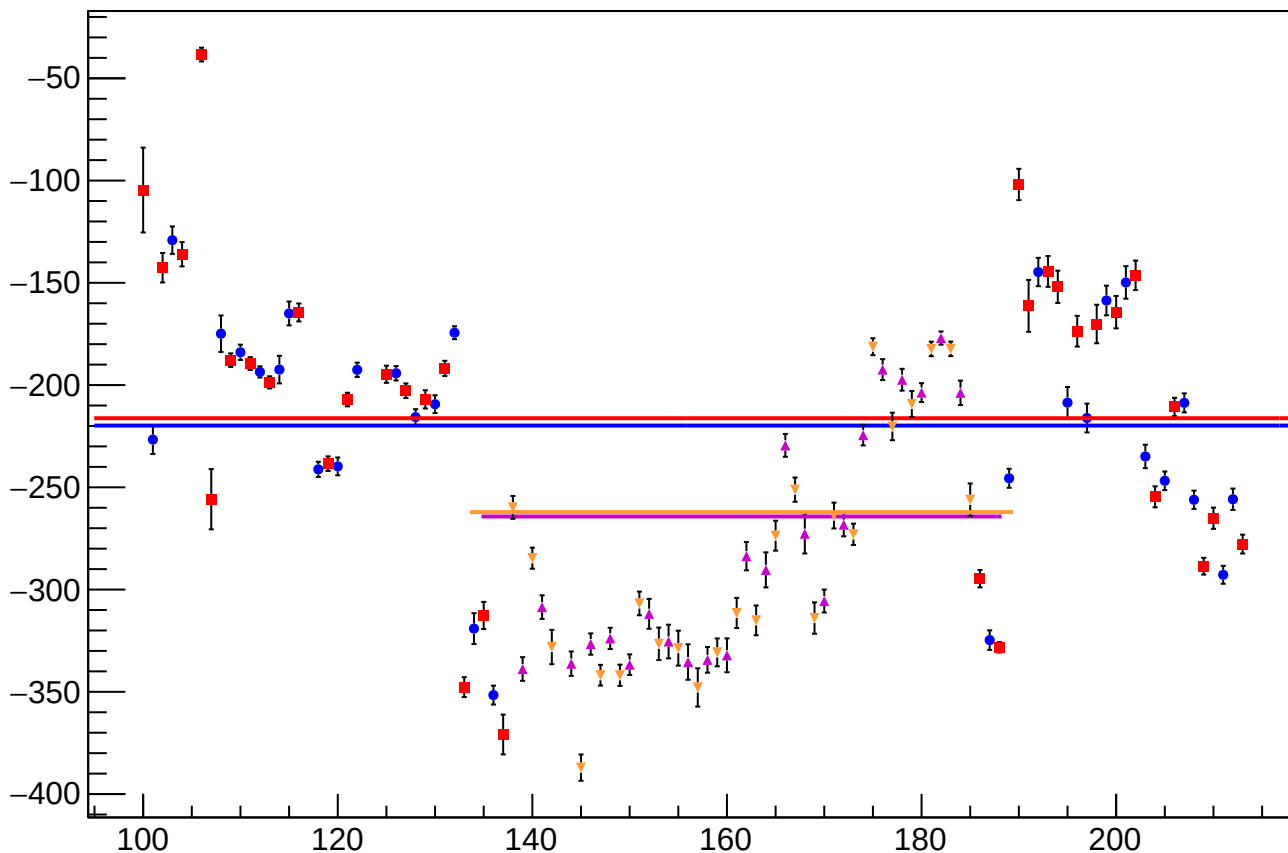
Left In: -10.834 ± 0.010 $\chi^2/\text{NDF}: 74113.9/22$

+ sign -12.666 ± 0.009 $\chi^2/\text{NDF}: 681562.1/52$

All: -12.653 ± 0.006 $\chi^2/\text{NDF}: 1314008.6/108$

- sign -12.639 ± 0.009 $\chi^2/\text{NDF}: 632441.8/55$

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -219.813 ± 0.868 χ^2/NDF : 3081.5/28

Left Out: -262.110 ± 1.179 χ^2/NDF : 2964.6/23

Right Out: -216.219 ± 0.800 χ^2/NDF : 8256.0/32

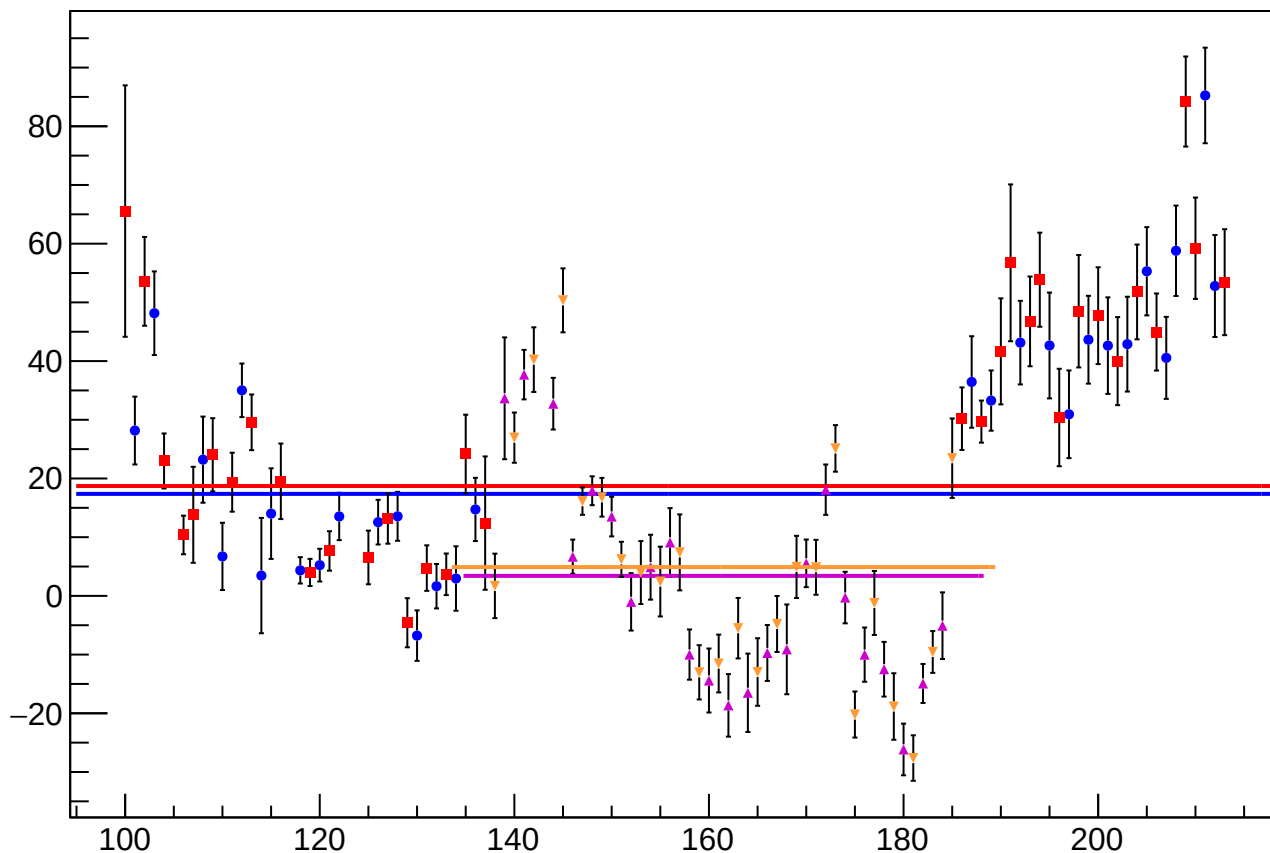
Left In: -264.272 ± 1.186 χ^2/NDF : 2741.9/22

+ sign -234.683 ± 0.699 χ^2/NDF : 6880.1/52

All: -232.875 ± 0.481 χ^2/NDF : 19019.6/108

- sign -231.249 ± 0.663 χ^2/NDF : 12126.8/55

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.376 $\pm$ 0.946 χ^2 /NDF: 378.4/28

Left Out: 4.909 $\pm$ 0.886 χ^2 /NDF:398.9/23

Right Out: 18.715 $\pm$ 0.905 χ^2 /NDF: 398.6/32

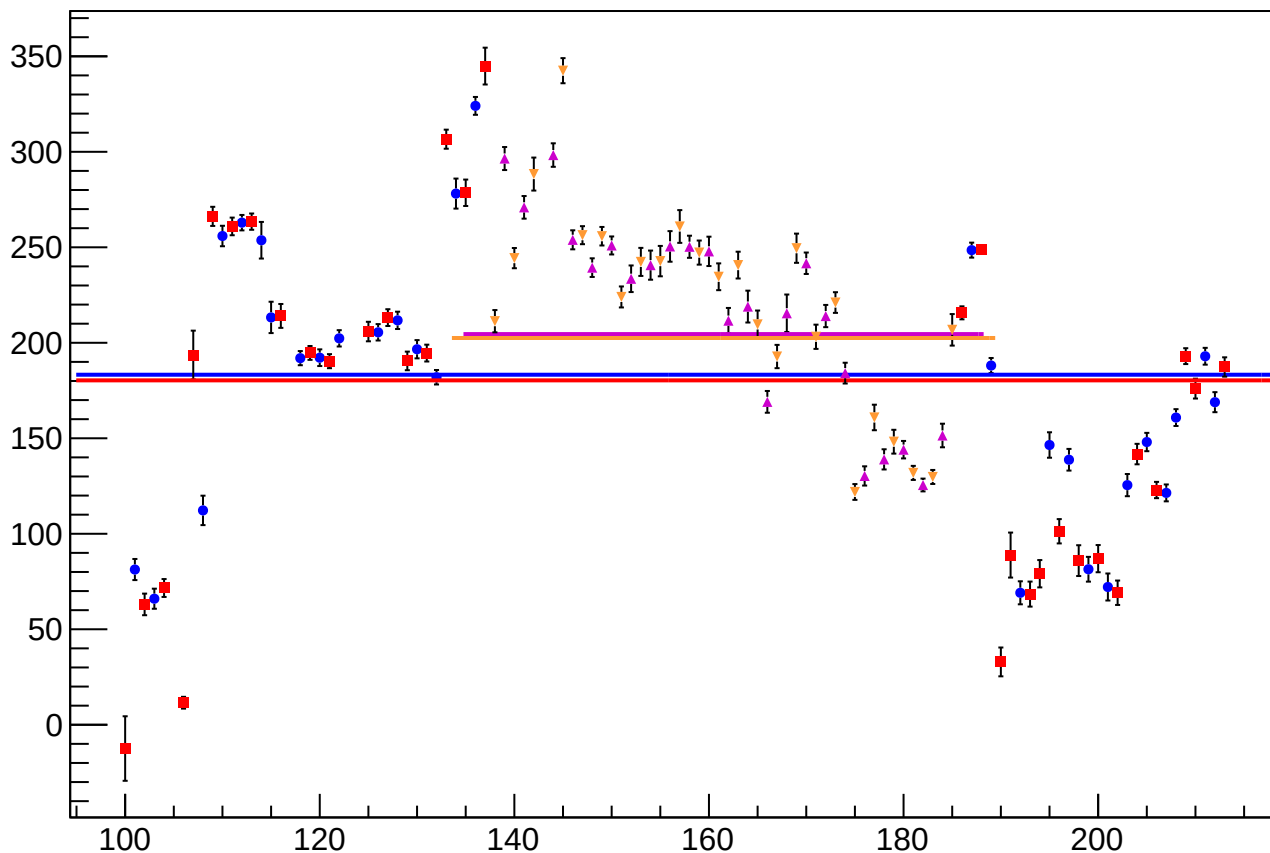
Left In: 3.409 $\pm$ 0.901 χ^2 /NDF:333.3/22

+ sign 10.735 $\pm$ 0.647 χ^2 /NDF: 869.8/52

All: 10.883 $\pm$ 0.454 χ^2 /NDF: 1745.5/108

- sign 11.027 $\pm$ 0.638 χ^2 /NDF: 875.6/55

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.280 $\pm$ 0.919 χ^2 /NDF: 4329.6/28

Left Out: 202.511 $\pm$ 1.173 χ^2 /NDF:2393.5/23

Right Out: 180.325 $\pm$ 0.827 χ^2 /NDF: 9500.1/32

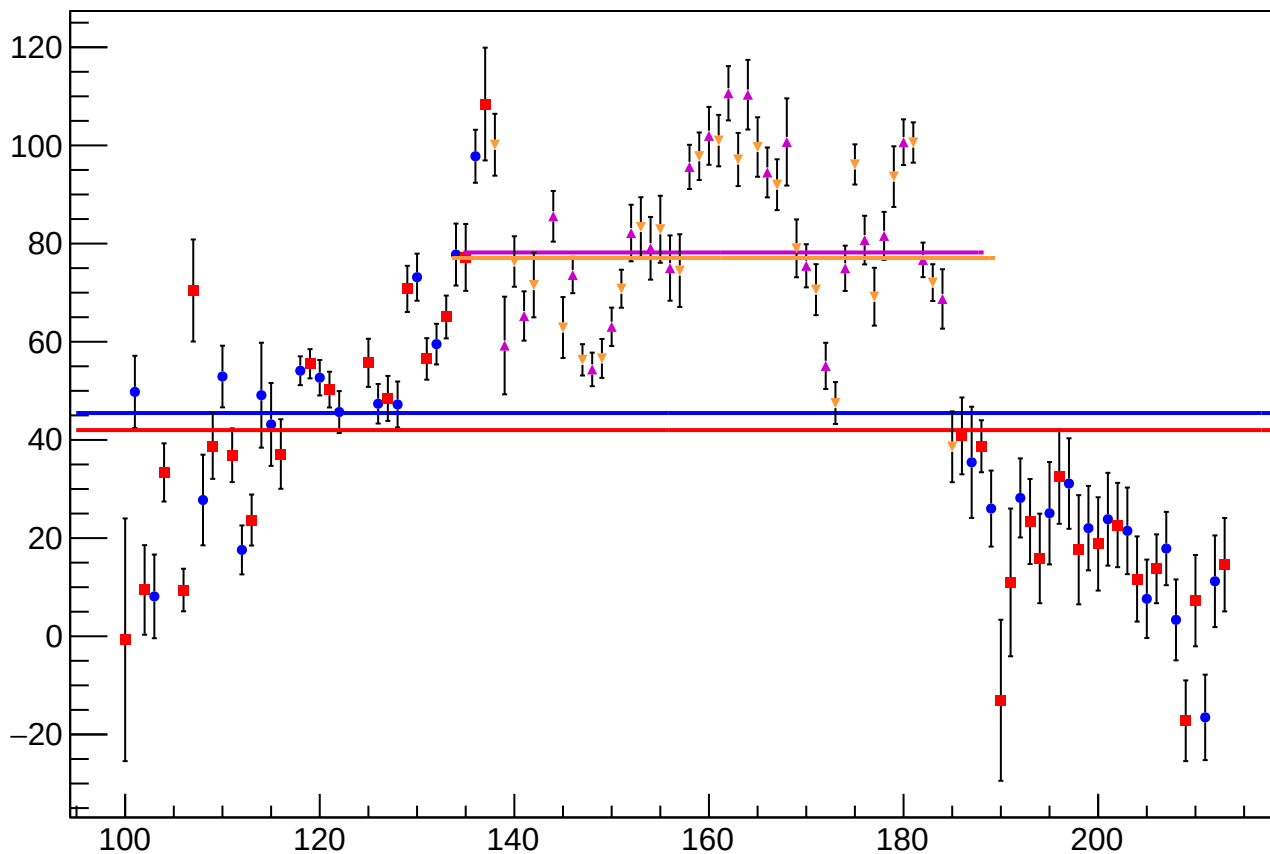
Left In: 204.560 $\pm$ 1.177 χ^2 /NDF:2285.7/22

+ sign 190.598 $\pm$ 0.723 χ^2 /NDF: 6889.6/52

All: 189.390 $\pm$ 0.494 χ^2 /NDF: 18964.5/108

- sign 188.333 $\pm$ 0.677 χ^2 /NDF: 12069.6/55

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 45.483 ± 1.104 χ^2/NDF : 398.4/28

Left Out: 77.061 ± 1.015 χ^2/NDF : 311.3/23

Right Out: 42.000 ± 1.067 χ^2/NDF : 416.8/32

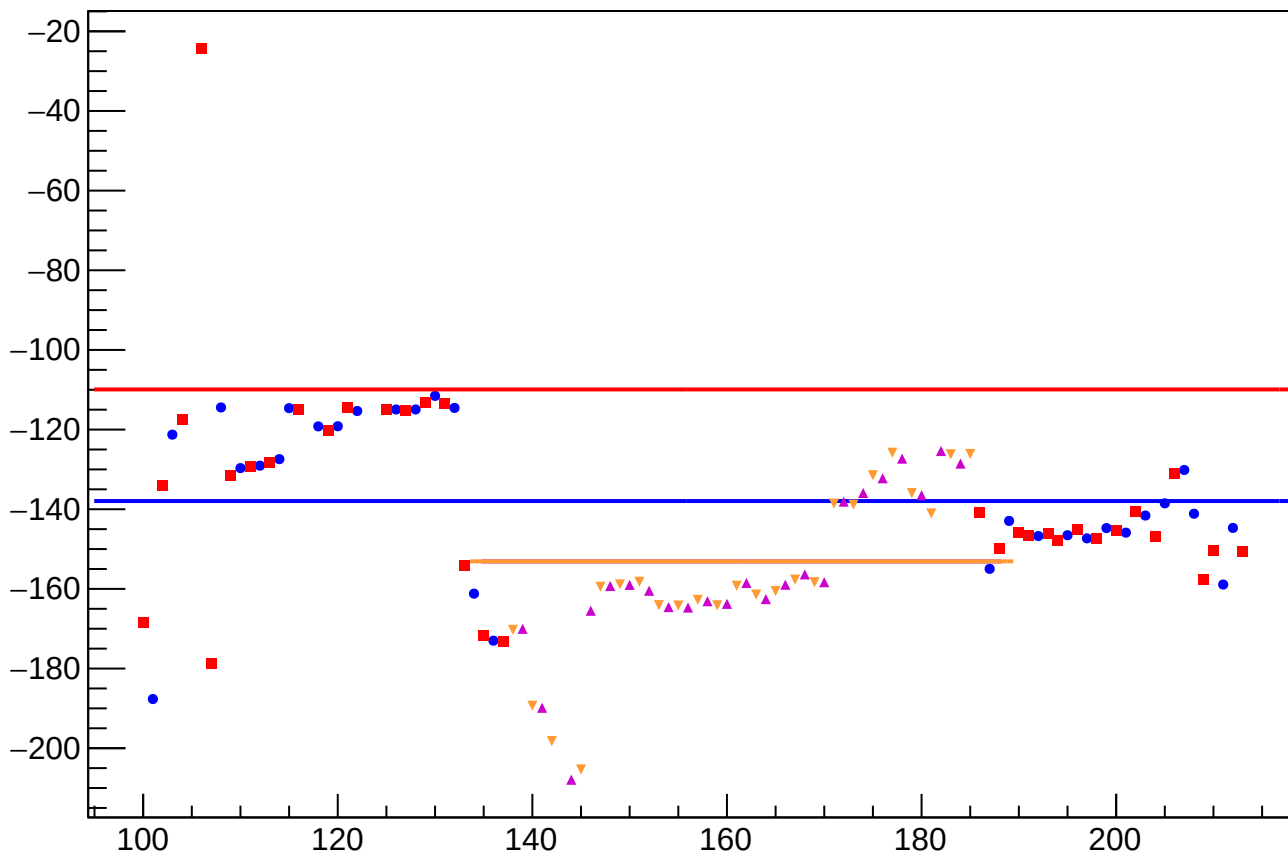
Left In: 78.189 ± 1.026 χ^2/NDF : 232.5/22

+ sign 62.596 ± 0.747 χ^2/NDF : 1152.9/52

All: 61.695 ± 0.526 χ^2/NDF : 2403.0/108

- sign 60.813 ± 0.739 χ^2/NDF : 1247.2/55

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.941 ± 0.060 $\chi^2/\text{NDF}: 106800.6/28$

Left Out: -153.090 ± 0.047 $\chi^2/\text{NDF}: 177552.0/23$

Right Out: -109.920 ± 0.051 $\chi^2/\text{NDF}: 1018802.4/32$

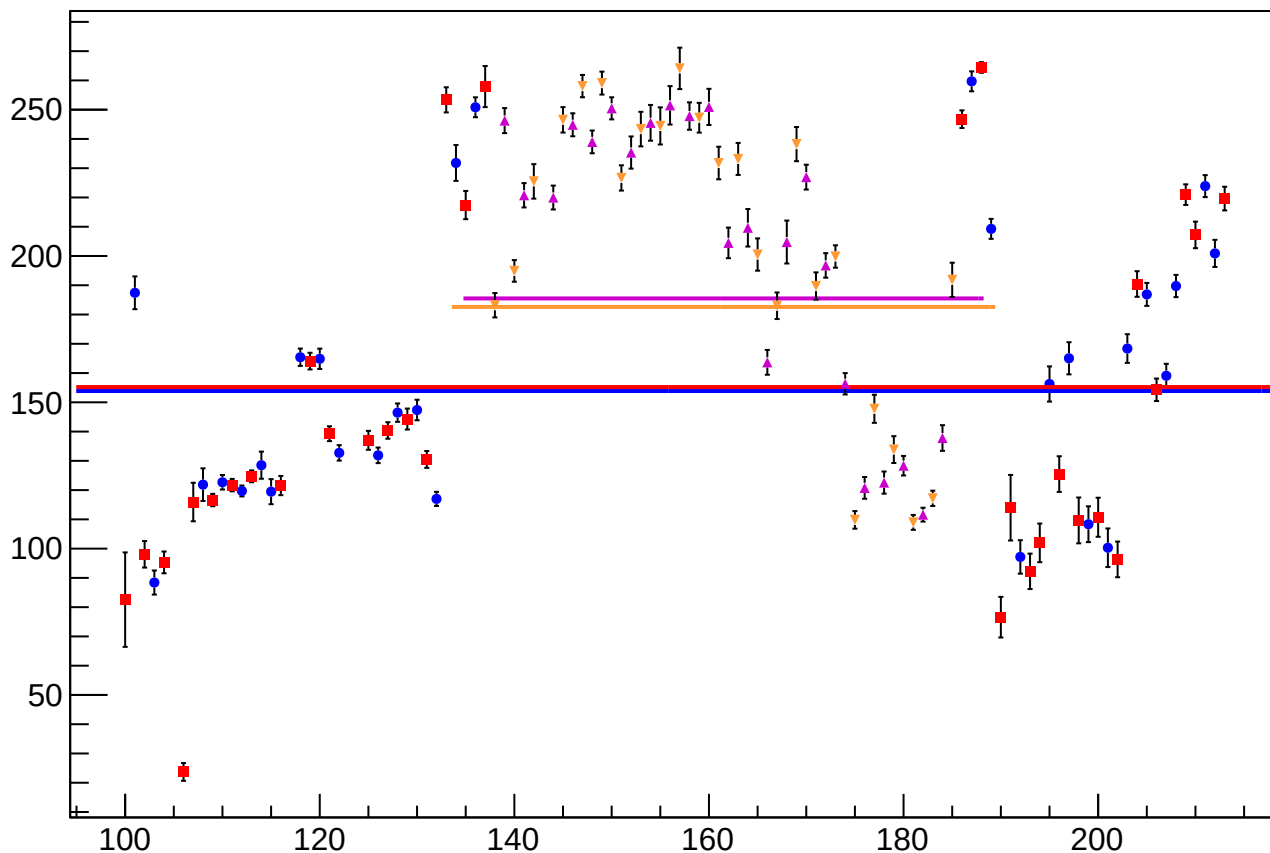
Left In: -153.103 ± 0.047 $\chi^2/\text{NDF}: 166644.2/22$

+ sign -147.317 ± 0.037 $\chi^2/\text{NDF}: 324085.4/52$

All: -139.856 ± 0.025 $\chi^2/\text{NDF}: 1977368.5/10$

- sign -133.384 ± 0.034 $\chi^2/\text{NDF}: 1576986.4/55$

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 153.856 ± 0.661 χ^2/NDF : 4358.4/28

Left Out: 182.591 ± 0.866 χ^2/NDF : 4152.3/23

Right Out: 155.210 ± 0.603 χ^2/NDF : 10242.1/32

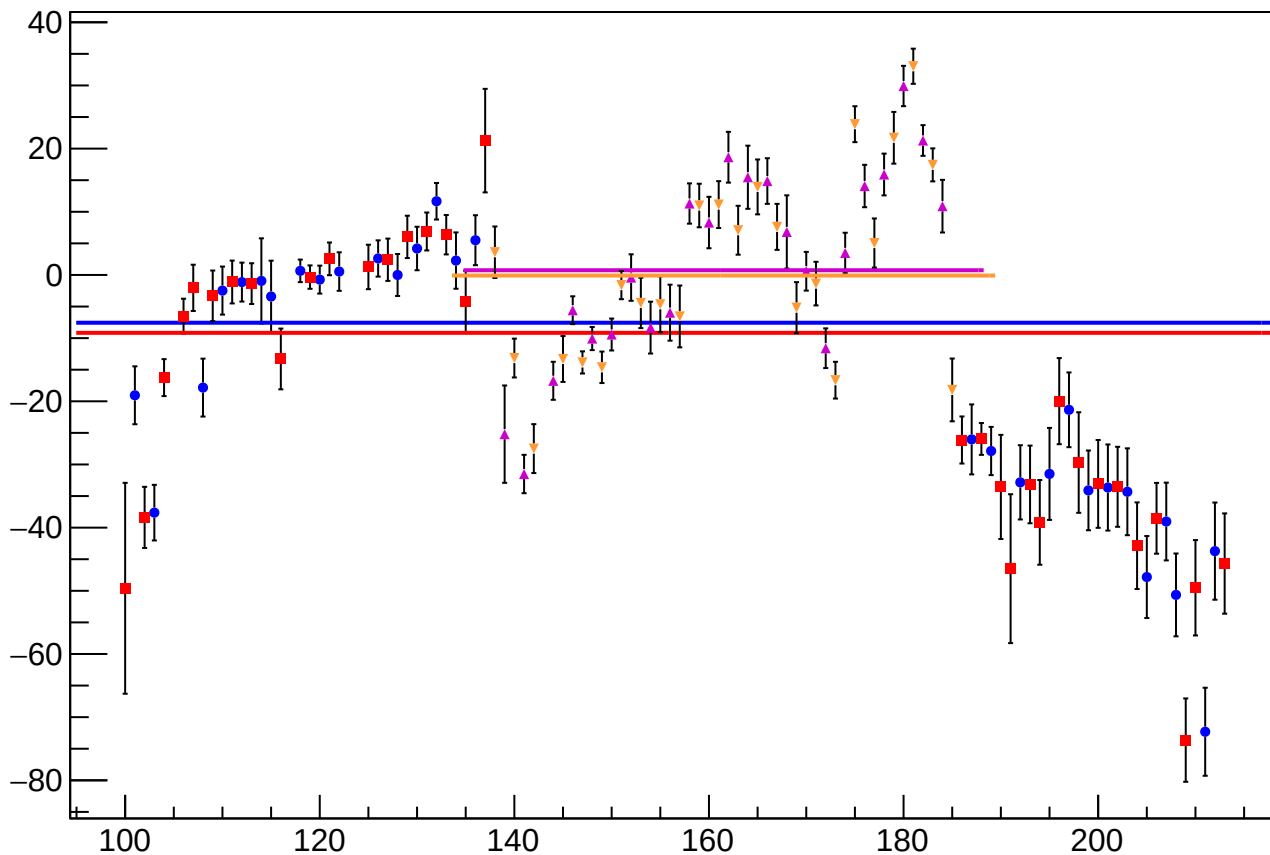
Left In: 185.497 ± 0.872 χ^2/NDF : 3822.2/22

+ sign 164.431 ± 0.525 χ^2/NDF : 9206.7/52

All: 164.730 ± 0.361 χ^2/NDF : 24087.4/108

- sign 164.996 ± 0.496 χ^2/NDF : 14880.1/55

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.562 $\pm$ 0.728 χ^2/NDF : 530.6/28

Left Out: -0.092 $\pm$ 0.655 χ^2/NDF : 555.3/23

Right Out: -9.162 $\pm$ 0.687 χ^2/NDF : 571.7/32

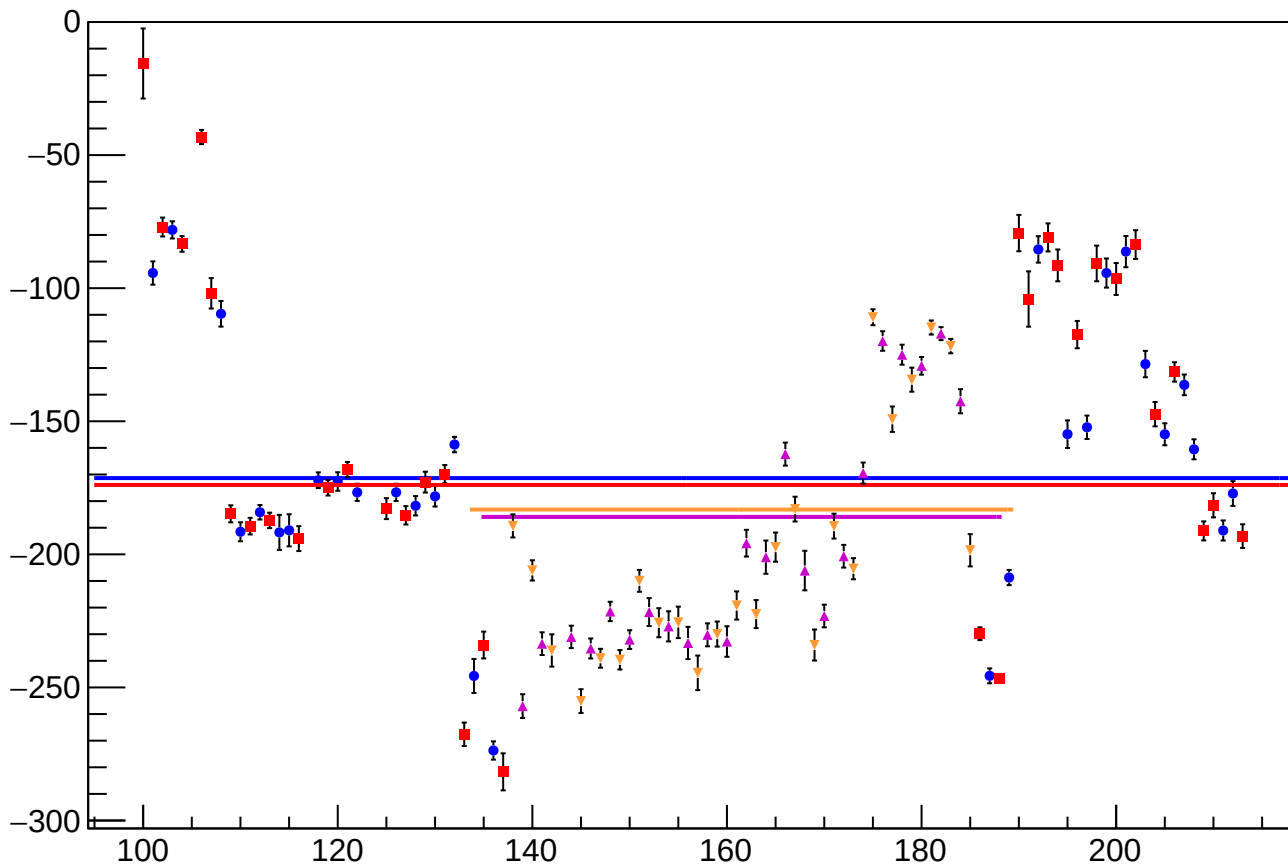
Left In: 0.747 $\pm$ 0.665 χ^2/NDF : 497.8/22

+ sign -3.432 $\pm$ 0.487 χ^2/NDF : 1144.2/52

All: -3.748 $\pm$ 0.341 χ^2/NDF : 2321.9/108

- sign -4.051 $\pm$ 0.478 χ^2/NDF : 1176.9/55

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.347 ± 0.705 χ^2/NDF : 4263.3/28

Left Out: -183.175 ± 0.862 χ^2/NDF : 3361.2/23

Right Out: -173.934 ± 0.625 χ^2/NDF : 10043.5/32

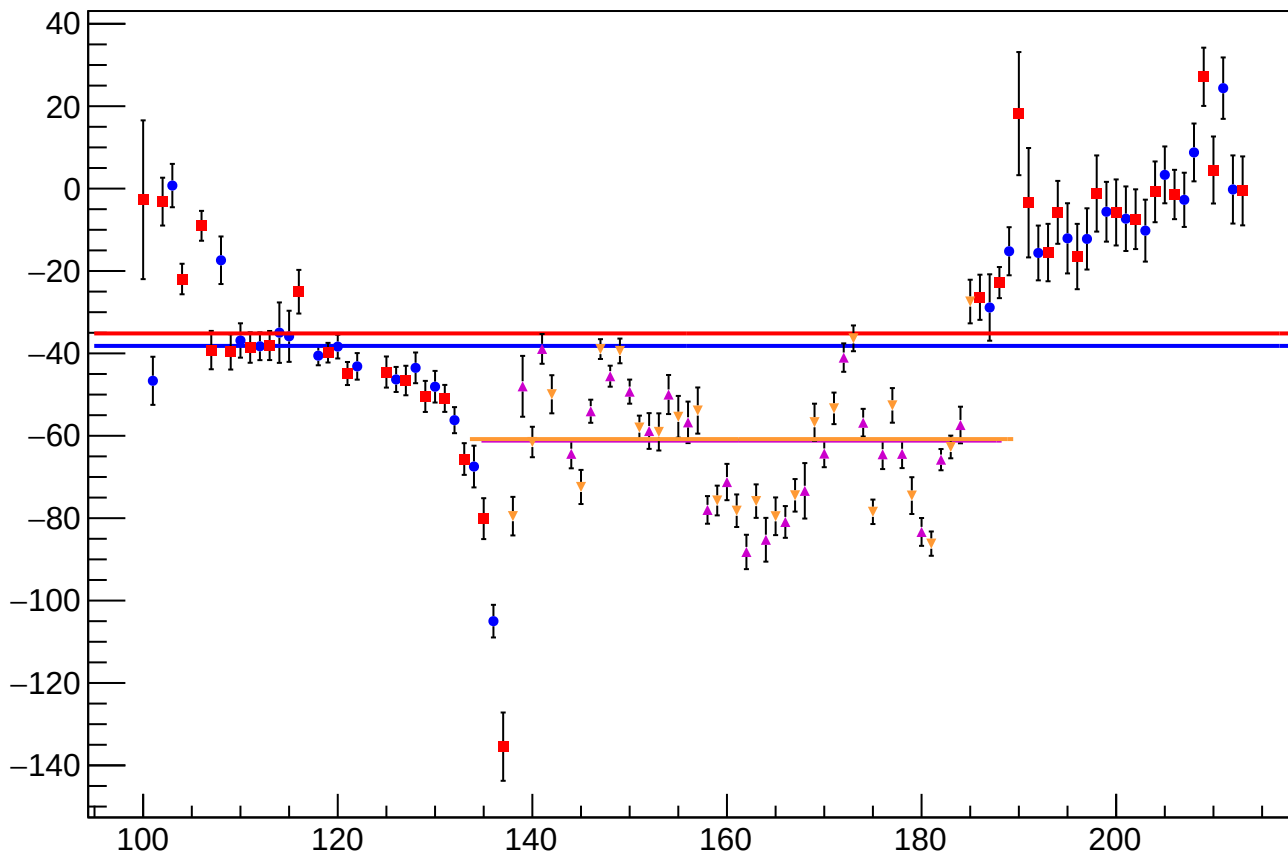
Left In: -185.936 ± 0.867 χ^2/NDF : 3181.6/22

+ sign -176.088 ± 0.546 χ^2/NDF : 7737.3/52

All: -177.136 ± 0.372 χ^2/NDF : 21095.2/108

- sign -178.041 ± 0.507 χ^2/NDF : 13351.1/55

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -38.183 $\pm$ 0.849 χ^2/NDF : 740.7/28

Left Out: -60.801 $\pm$ 0.749 χ^2/NDF : 474.0/23

Right Out: -35.154 $\pm$ 0.811 χ^2/NDF : 741.7/32

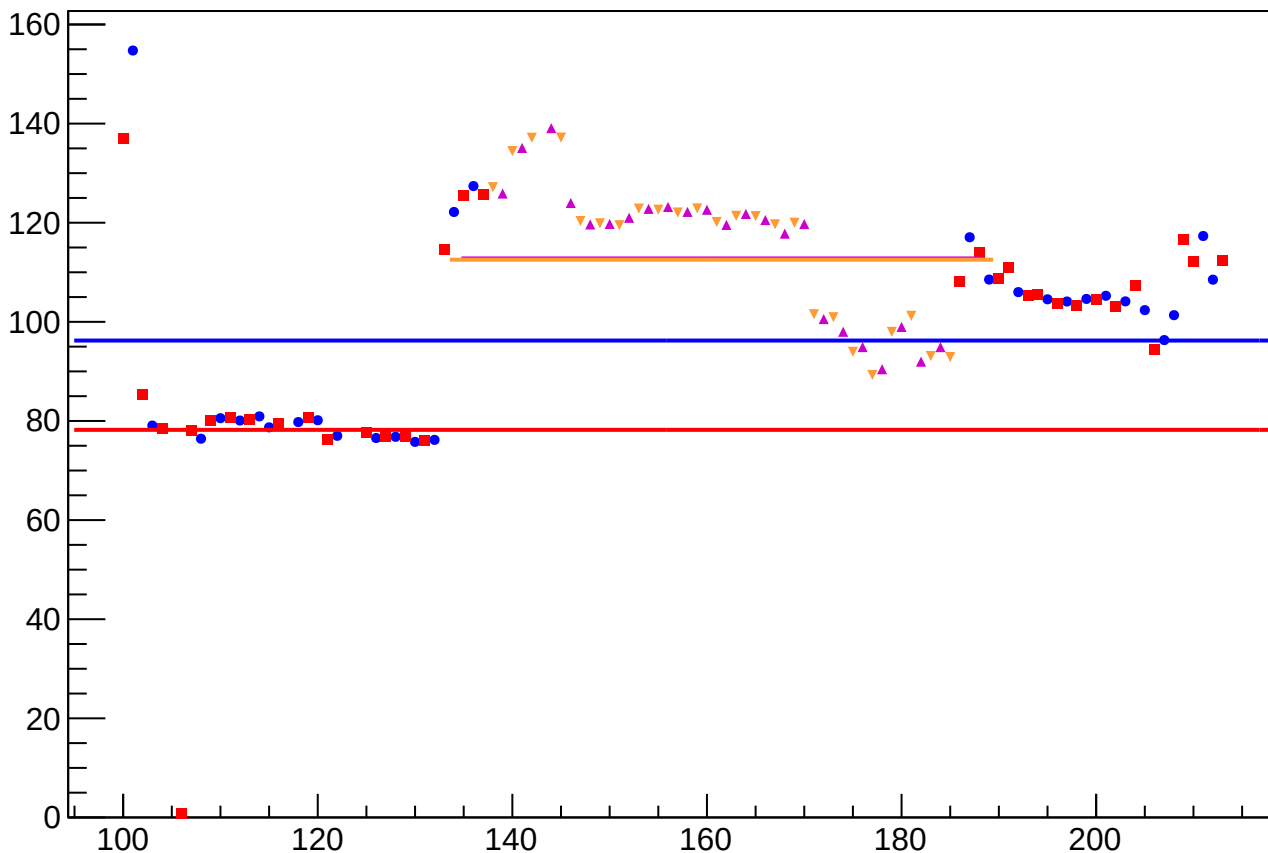
Left In: -61.172 $\pm$ 0.757 χ^2/NDF : 316.9/22

+ sign -50.905 $\pm$ 0.562 χ^2/NDF : 1613.8/52

All: -49.973 $\pm$ 0.394 χ^2/NDF : 3227.6/108

- sign -49.068 $\pm$ 0.553 χ^2/NDF : 1608.4/55

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.227 $\pm$ 0.046 χ^2 /NDF: 187965.5/28

Left Out: 112.539 $\pm$ 0.035 χ^2 /NDF: 174512.4/23

Right Out: 78.207 $\pm$ 0.040 χ^2 /NDF: 912798.6/32

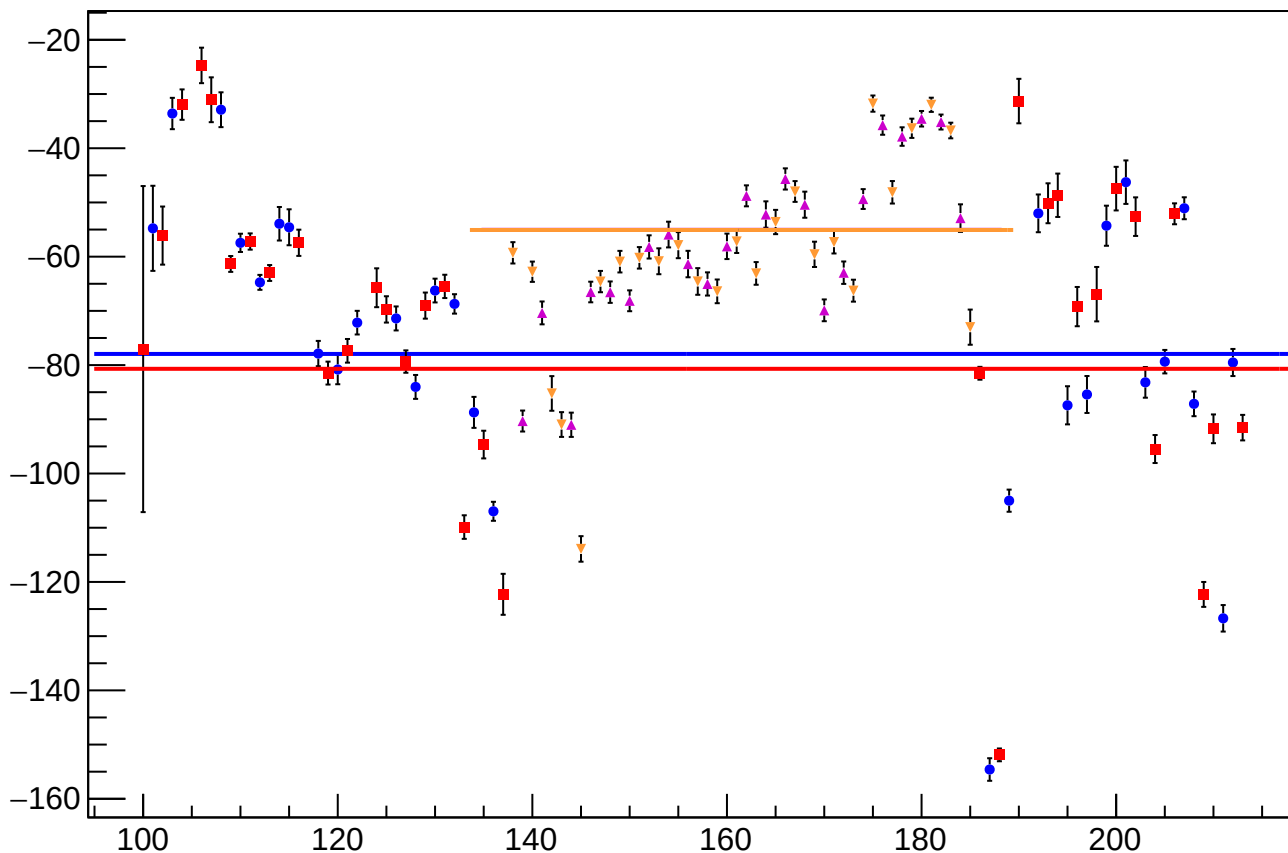
Left In: 112.795 $\pm$ 0.034 χ^2 /NDF: 171662.8/22

+ sign 106.633 $\pm$ 0.028 χ^2 /NDF: 443029.5/52

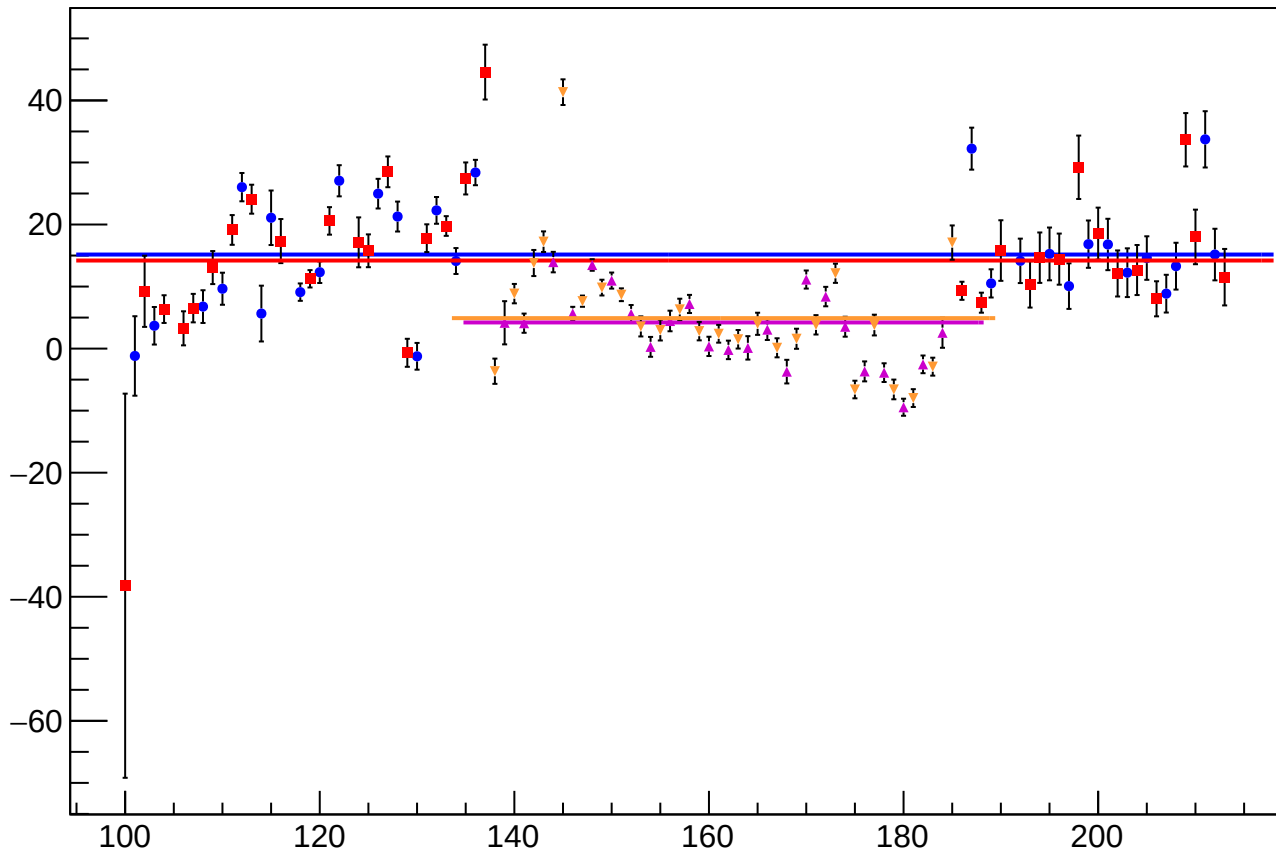
All: 102.158 $\pm$ 0.019 χ^2 /NDF: 2004510.8/108

- sign 98.149 $\pm$ 0.026 χ^2 /NDF: 1511723.4/55

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.160 ± 0.499 χ^2/NDF : 296.3/28

Left Out: 4.910 ± 0.301 χ^2/NDF : 741.5/24

Right Out: 14.197 ± 0.456 χ^2/NDF : 311.3/32

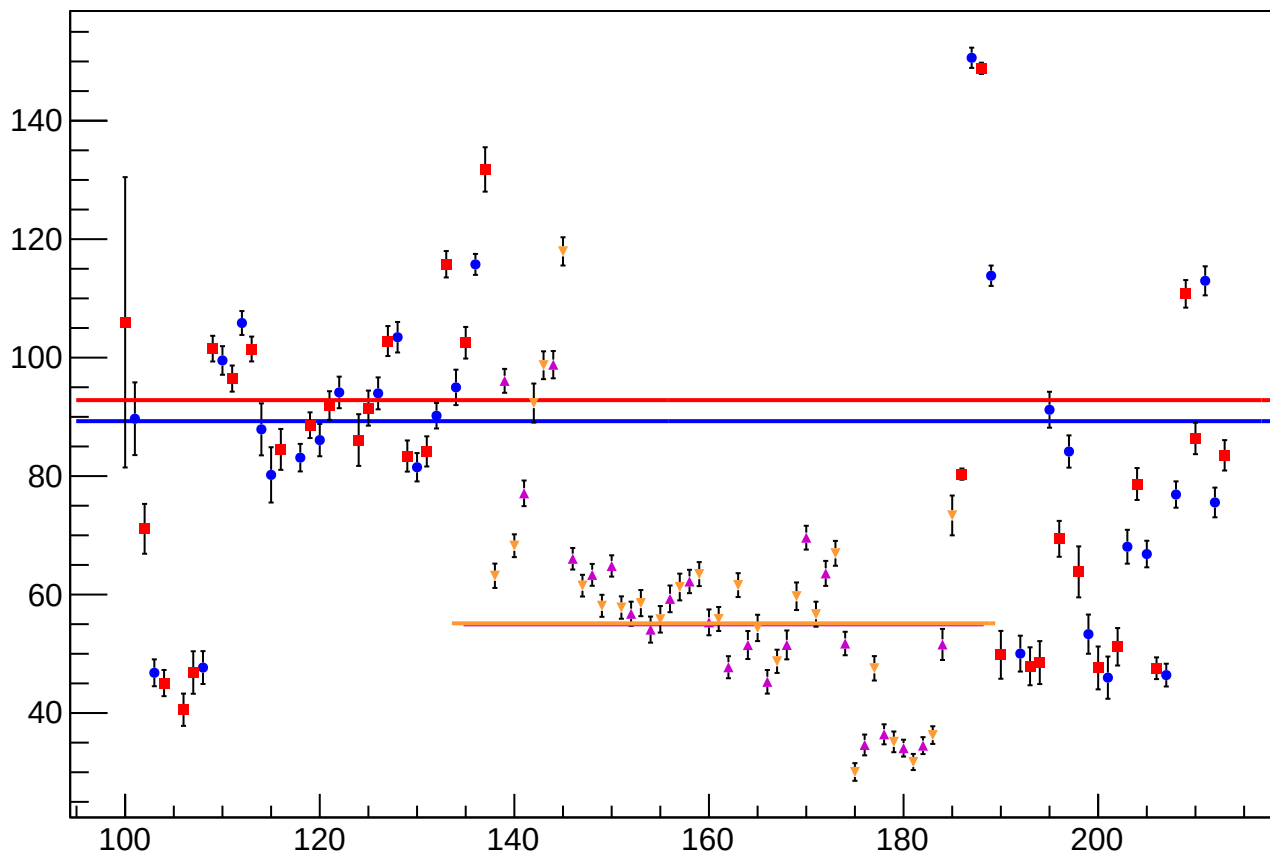
Left In: 4.215 ± 0.312 χ^2/NDF : 415.1/22

+ sign 7.647 ± 0.258 χ^2/NDF : 1346.6/53

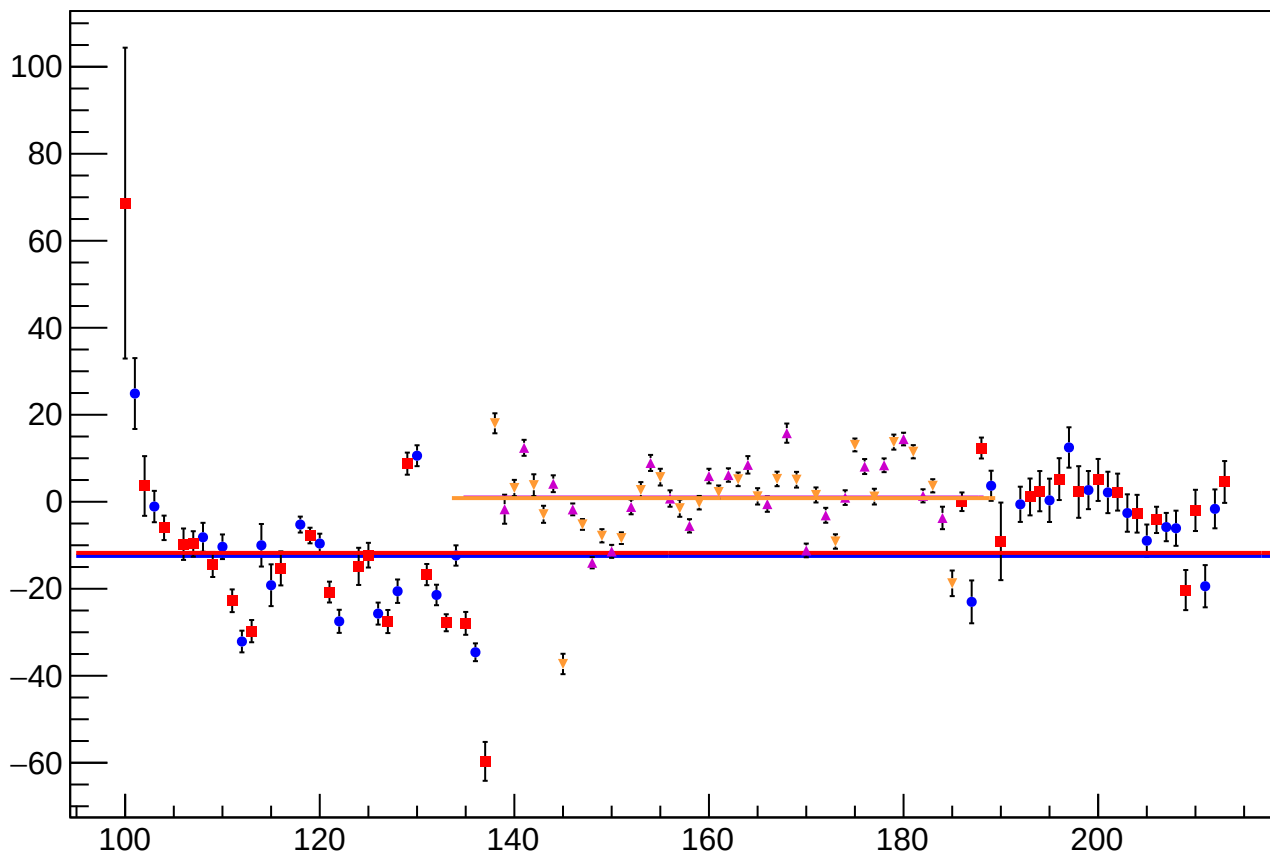
All: 7.524 ± 0.182 χ^2/NDF : 2399.5/109

- sign 7.402 ± 0.258 χ^2/NDF : 1052.4/55

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.449 ± 0.577 χ^2/NDF : 519.2/28

Left Out: 0.840 ± 0.343 χ^2/NDF : 717.2/24

Right Out: -11.756 ± 0.543 χ^2/NDF : 649.1/32

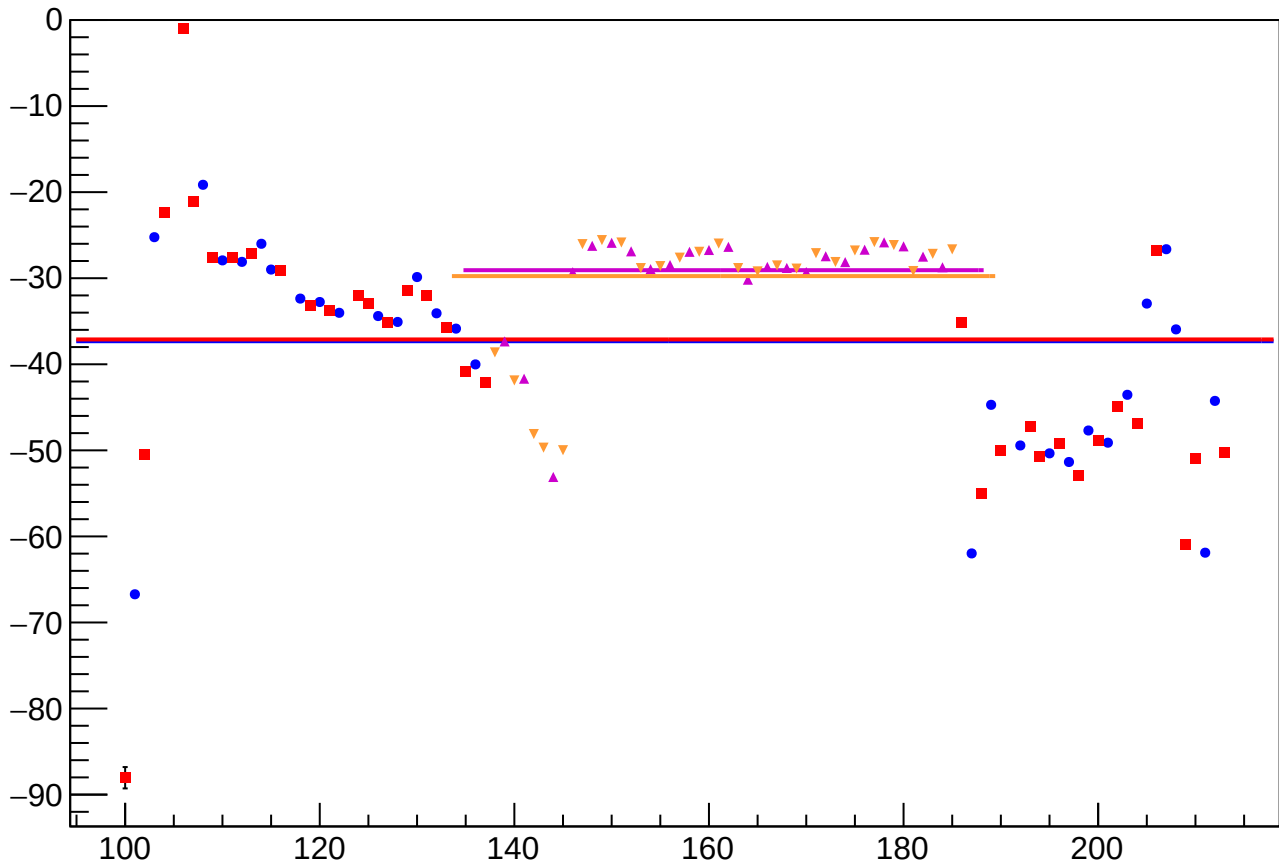
Left In: 0.980 ± 0.353 χ^2/NDF : 558.5/22

+ sign -2.626 ± 0.295 χ^2/NDF : 1628.2/53

All: -2.715 ± 0.209 χ^2/NDF : 3222.1/109

- sign -2.806 ± 0.296 χ^2/NDF : 1593.7/55

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -37.320 ± 0.029 $\chi^2/\text{NDF}: 132448.5/28$

Left Out: -29.754 ± 0.016 $\chi^2/\text{NDF}: 163552.5/24$

Right Out: -37.114 ± 0.028 $\chi^2/\text{NDF}: 232866.6/32$

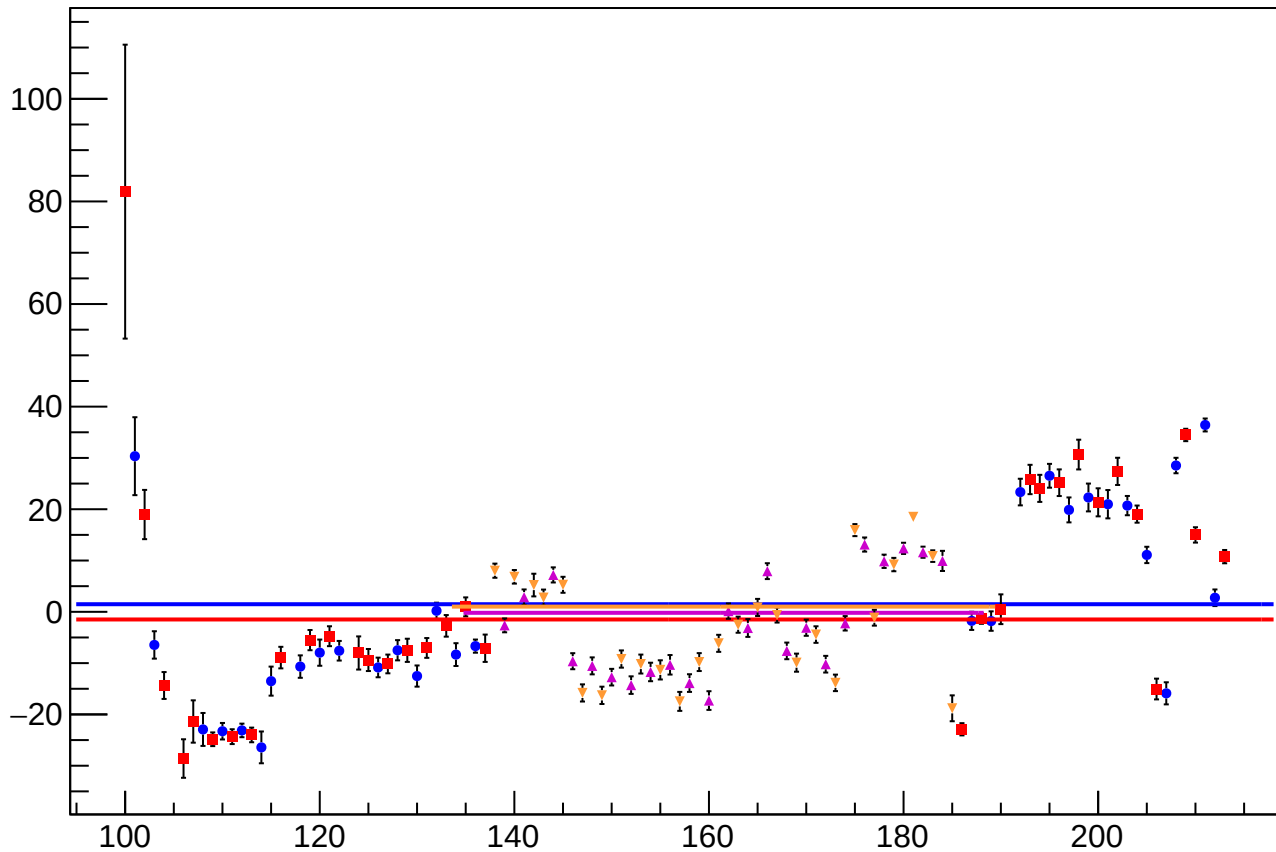
Left In: -29.067 ± 0.016 $\chi^2/\text{NDF}: 101545.6/22$

+ sign -31.478 ± 0.014 $\chi^2/\text{NDF}: 349796.5/53$

All: -31.243 ± 0.010 $\chi^2/\text{NDF}: 747317.5/109$

- sign -31.005 ± 0.014 $\chi^2/\text{NDF}: 396927.1/55$

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 1.483 $\pm$ 0.359 χ^2 /NDF: 2663.9/28

Left Out: 1.015 $\pm$ 0.305 χ^2 /NDF:1335.1/24

Right Out: -1.491 $\pm$ 0.329 χ^2 /NDF: 3231.6/32

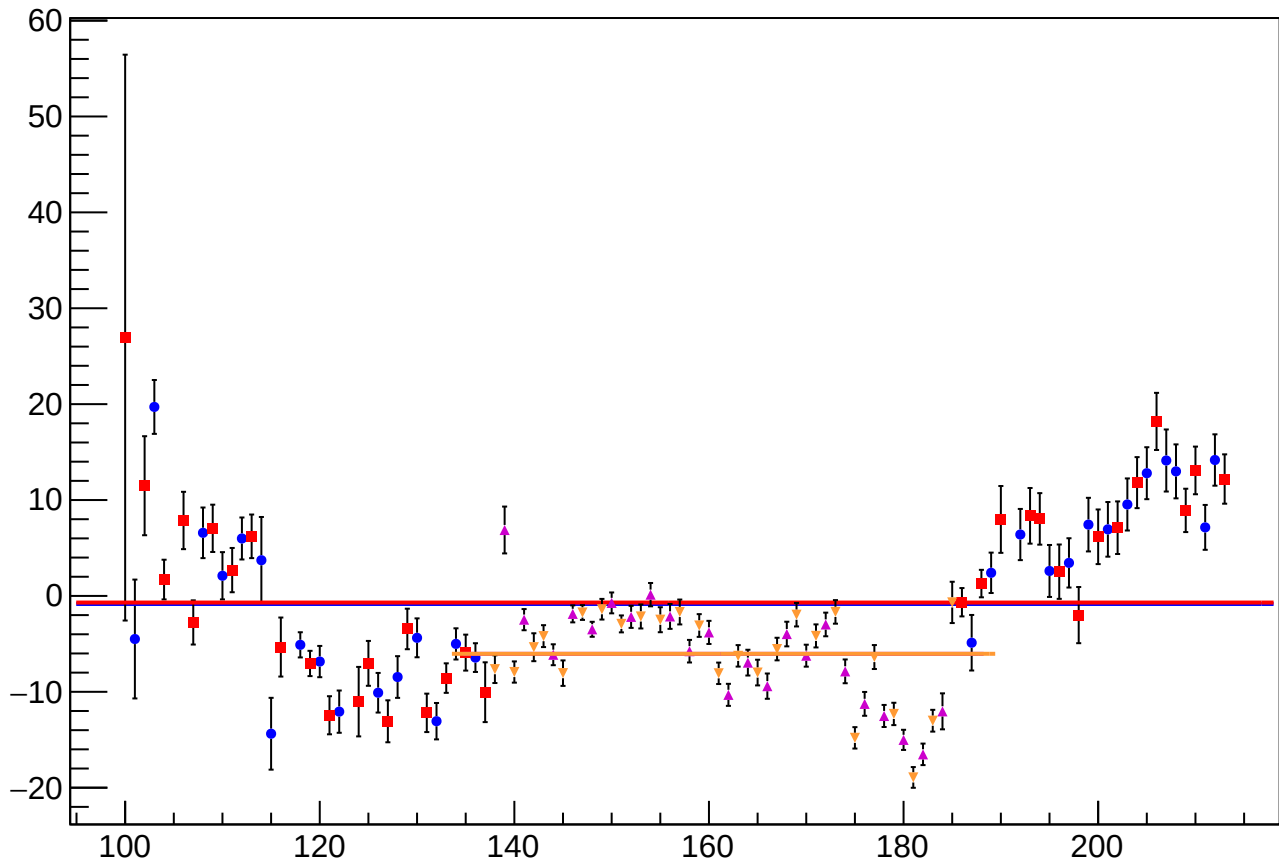
Left In: -0.192 $\pm$ 0.315 χ^2 /NDF:982.8/22

+ sign 1.211 $\pm$ 0.232 χ^2 /NDF: 3999.9/53

All: 0.177 $\pm$ 0.162 χ^2 /NDF: 8261.3/109

- sign -0.813 $\pm$ 0.227 χ^2 /NDF: 4222.6/55

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.840 ± 0.423 χ^2/NDF : 395.3/28

Left Out: -6.035 ± 0.233 χ^2/NDF : 414.9/24

Right Out: -0.690 ± 0.397 χ^2/NDF : 403.6/32

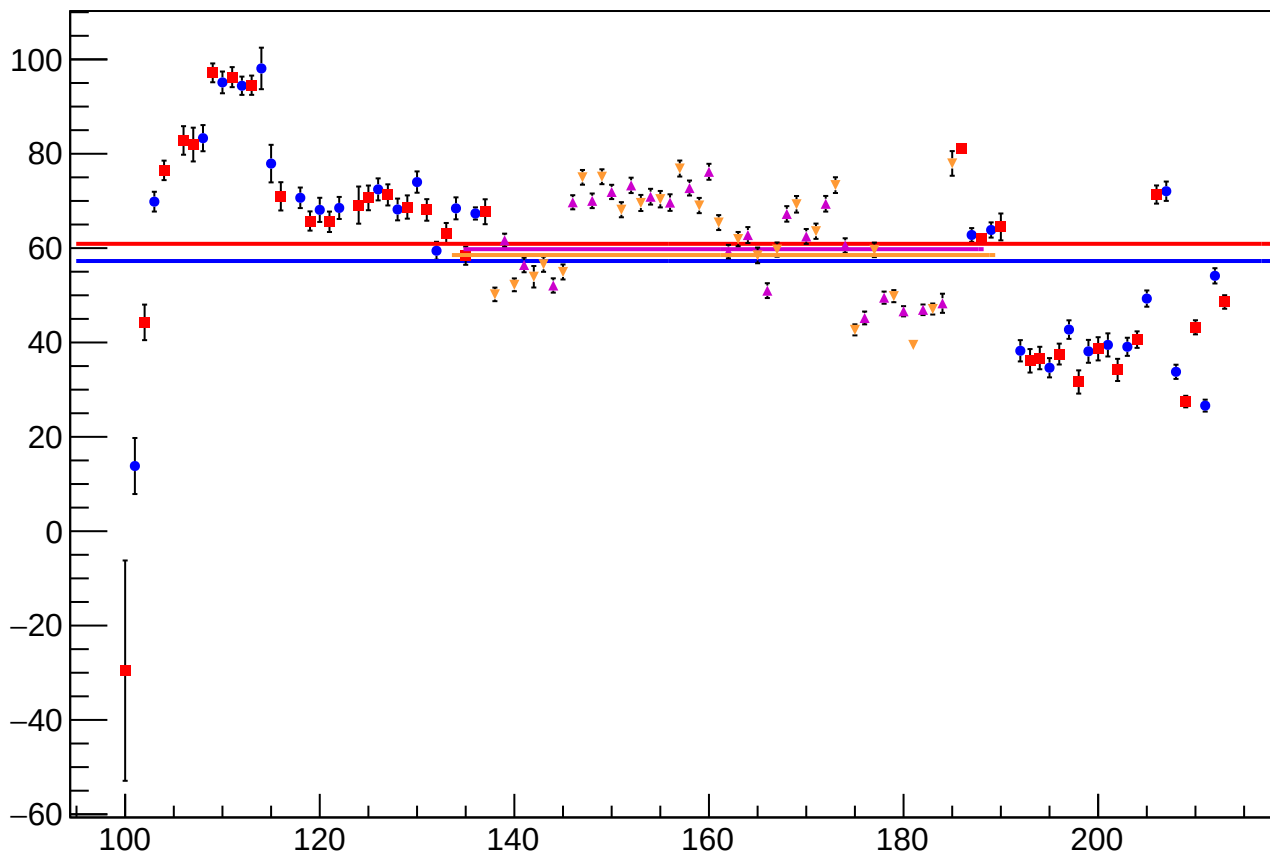
Left In: -6.043 ± 0.243 χ^2/NDF : 396.2/22

+ sign -4.825 ± 0.204 χ^2/NDF : 925.8/53

All: -4.707 ± 0.145 χ^2/NDF : 1858.6/109

- sign -4.586 ± 0.207 χ^2/NDF : 932.1/55

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 57.267+/-0.370 χ^2/NDF : 2603.9/28

Left Out: 58.535+/-0.303 χ^2/NDF :1449.2/24

Right Out: 60.911+/-0.331 χ^2/NDF : 3386.2/32

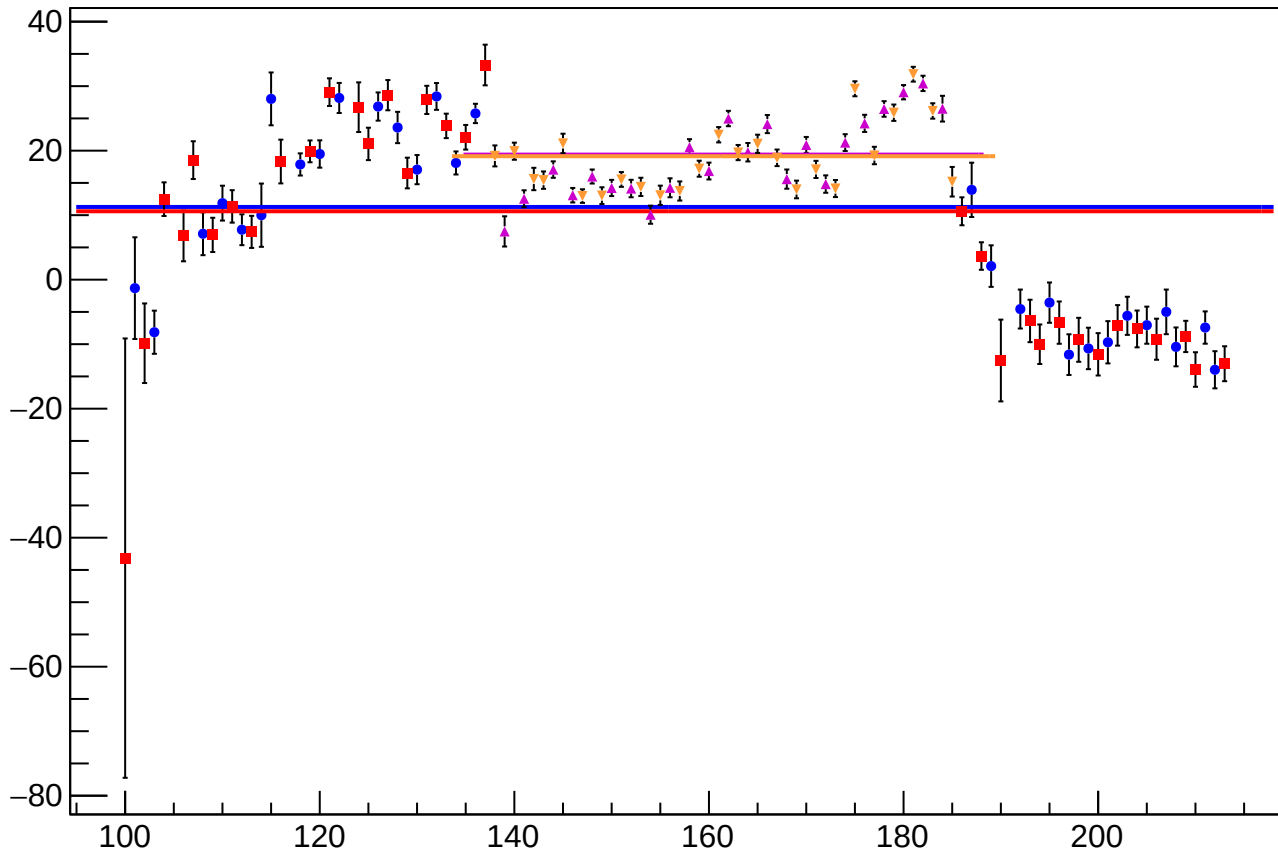
Left In: 59.777+/-0.312 χ^2/NDF :1070.5/22

+ sign 58.026+/-0.234 χ^2/NDF : 4060.1/53

All: 59.205+/-0.163 χ^2/NDF : 8572.2/109

- sign 60.310+/-0.227 χ^2/NDF : 4463.0/55

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 11.274 $\pm$ 0.483 χ^2 /NDF: 876.9/28

Left Out: 19.138 $\pm$ 0.264 χ^2 /NDF: 433.7/24

Right Out: 10.603 $\pm$ 0.465 χ^2 /NDF: 973.7/32

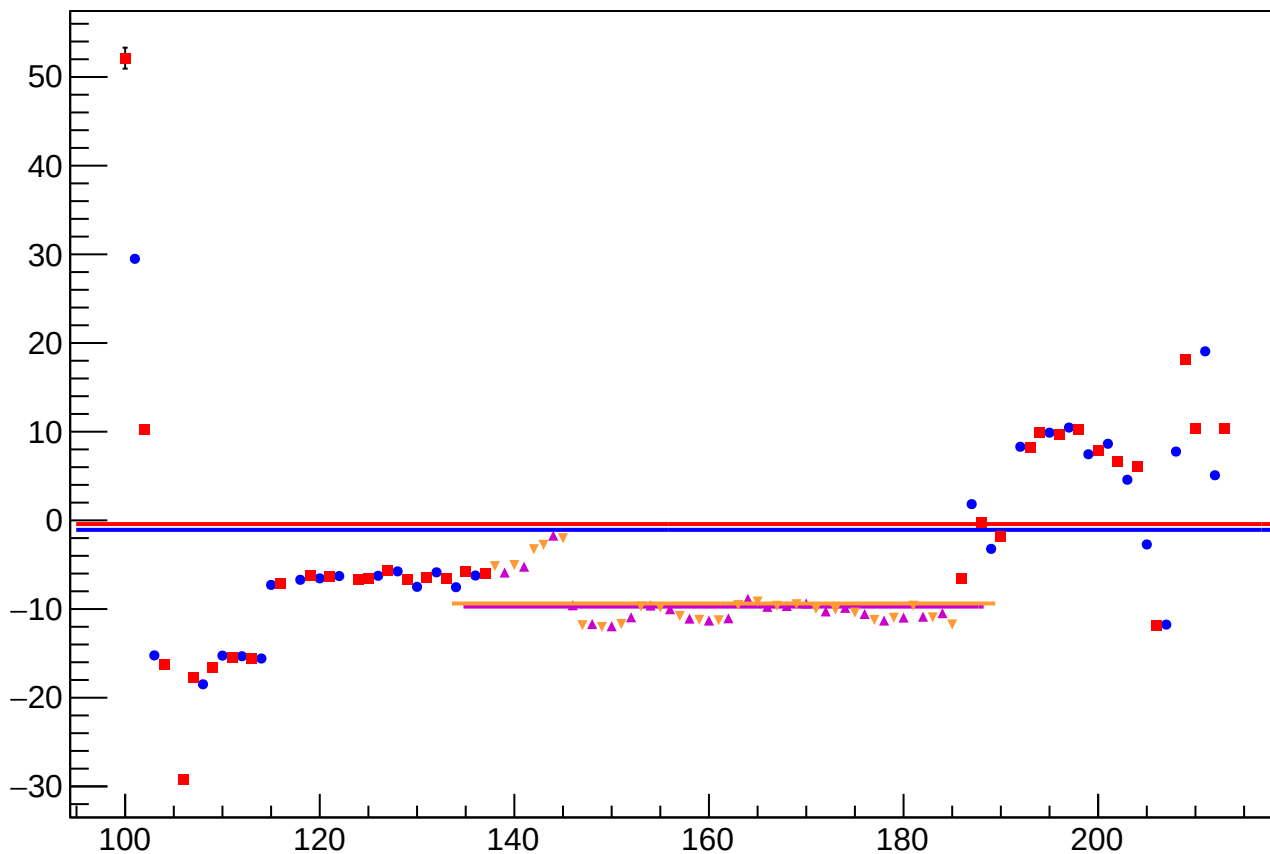
Left In: 19.390 $\pm$ 0.274 χ^2 /NDF: 467.7/22

+ sign 17.330 $\pm$ 0.232 χ^2 /NDF: 1514.7/53

All: 17.233 $\pm$ 0.165 χ^2 /NDF: 3221.3/109

- sign 17.134 $\pm$ 0.236 χ^2 /NDF: 1706.3/55

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -1.069 ± 0.023 χ^2/NDF : 194988.8/28

Left Out: -9.375 ± 0.012 χ^2/NDF : 49934.3/24

Right Out: -0.419 ± 0.023 χ^2/NDF : 238742.2/32

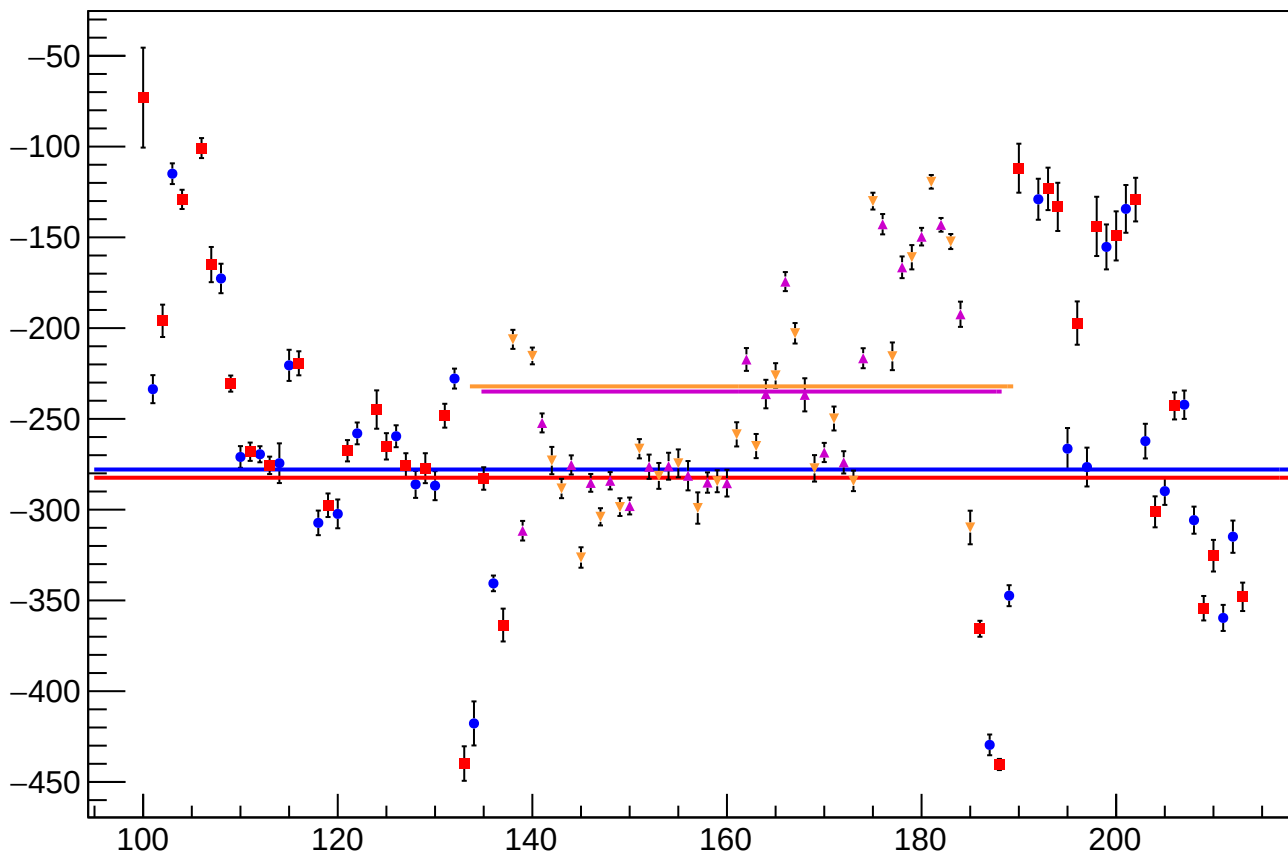
Left In: -9.726 ± 0.012 χ^2/NDF : 31951.7/22

+ sign -7.598 ± 0.011 χ^2/NDF : 349420.6/53

All: -7.618 ± 0.007 χ^2/NDF : 752525.2/109

- sign -7.639 ± 0.011 χ^2/NDF : 403097.3/55

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -277.879+/-1.317 χ^2 /NDF: 2973.5/28

Left Out: -232.091+/-1.143 χ^2 /NDF:3269.9/24

Right Out: -282.407+/-1.175 χ^2 /NDF: 6981.6/32

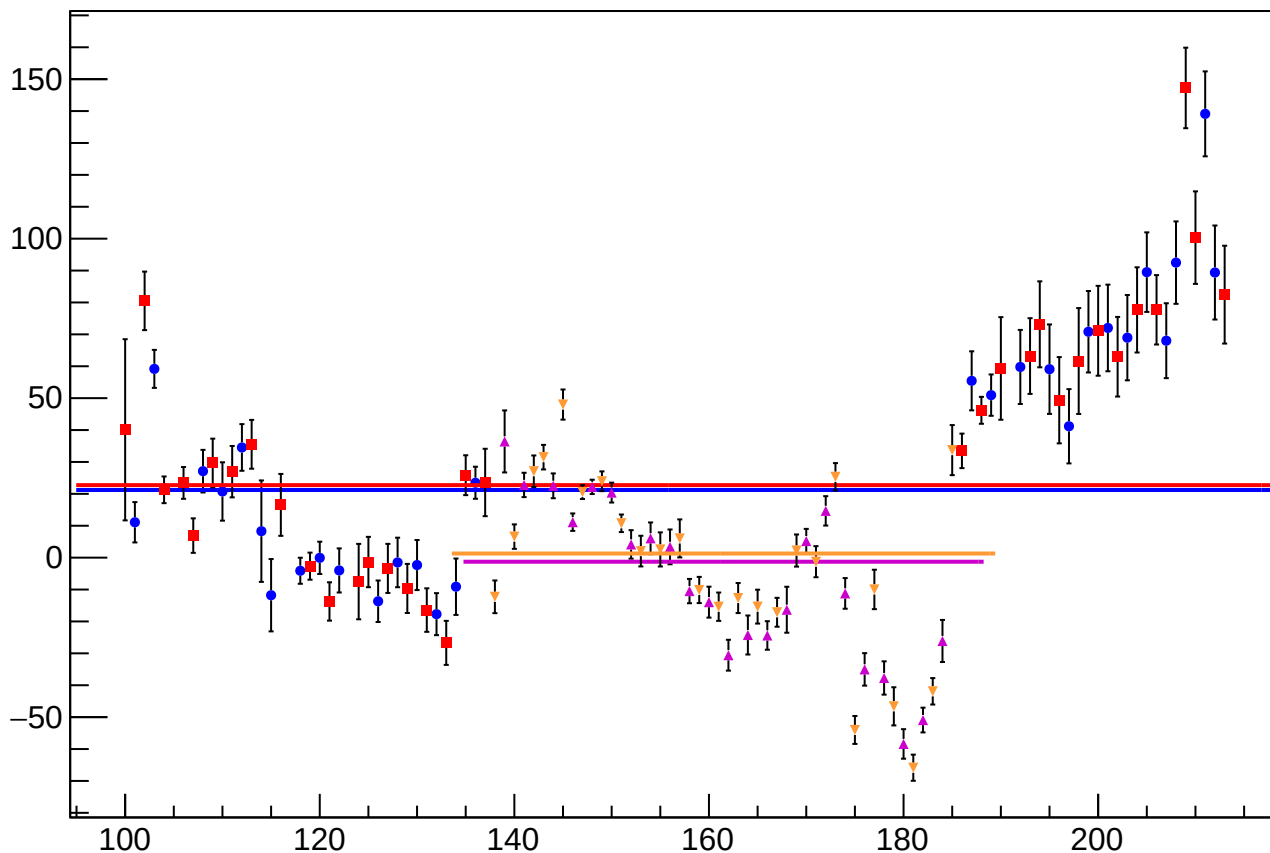
Left In: -234.951+/-1.176 χ^2 /NDF:2470.2/22

+ sign -251.754+/-0.863 χ^2 /NDF: 6932.6/53

All: -255.352+/-0.599 χ^2 /NDF: 17232.8/109

- sign -258.687+/-0.831 χ^2 /NDF: 10266.7/55

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.203 $\pm$ 1.455 χ^2 /NDF: 493.2/28

Left Out: 1.295 $\pm$ 0.837 χ^2 /NDF:1049.5/24

Right Out: 22.731 $\pm$ 1.314 χ^2 /NDF: 536.0/32

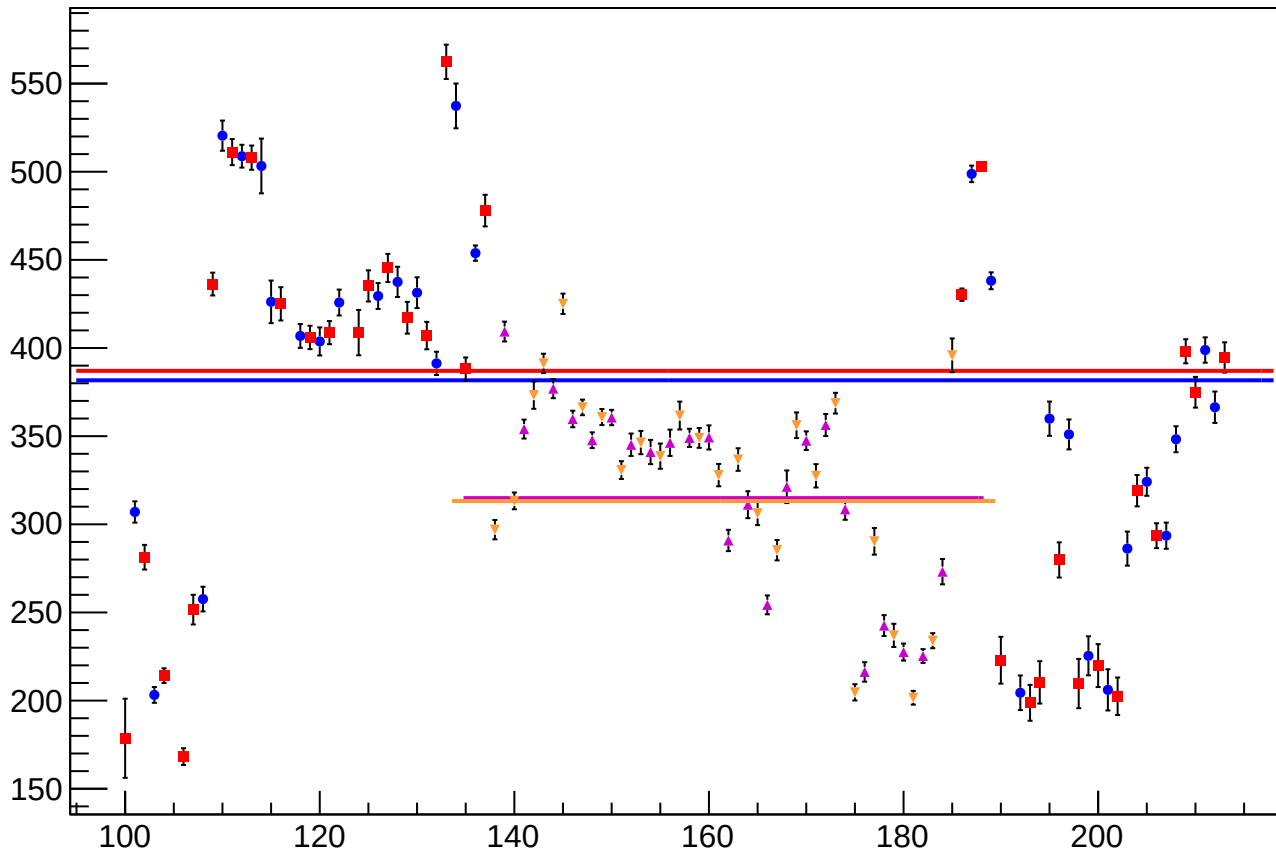
Left In: -1.280 $\pm$ 0.869 χ^2 /NDF:811.2/22

+ sign 6.244 $\pm$ 0.725 χ^2 /NDF: 1683.3/53

All: 6.133 $\pm$ 0.513 χ^2 /NDF: 3262.9/109

- sign 6.023 $\pm$ 0.725 χ^2 /NDF: 1579.5/55

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.693 $\pm$ 1.332 χ^2 /NDF: 5229.6/28

Left Out: 313.197 $\pm$ 1.134 χ^2 /NDF:3135.7/24

Right Out: 387.048 $\pm$ 1.155 χ^2 /NDF: 9701.1/32

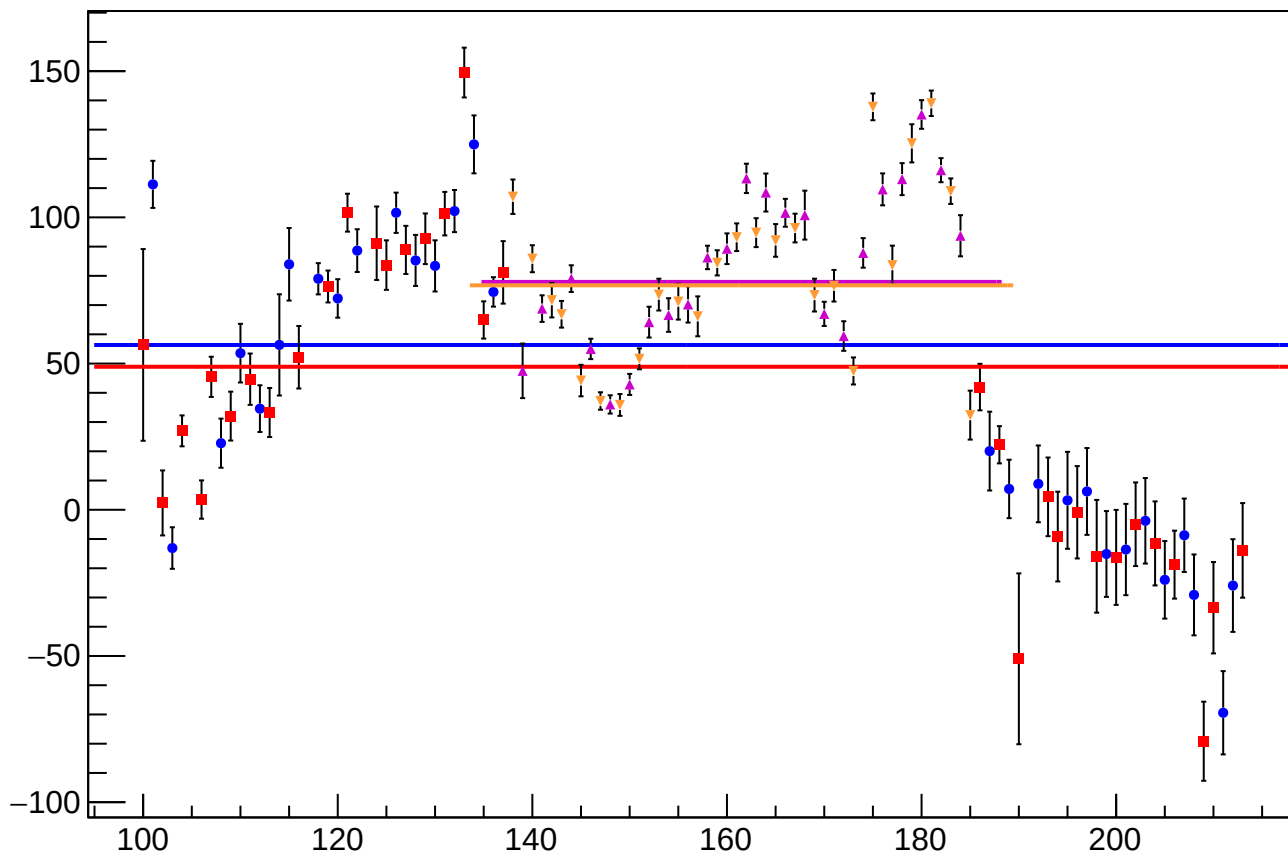
Left In: 314.864 $\pm$ 1.161 χ^2 /NDF:2429.0/22

+ sign 341.984 $\pm$ 0.863 χ^2 /NDF: 9898.8/53

All: 346.809 $\pm$ 0.594 χ^2 /NDF: 24030.3/109

- sign 351.150 $\pm$ 0.819 χ^2 /NDF: 14072.2/55

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 56.356 $\pm$ 1.698 χ^2 /NDF: 712.6/28

Left Out: 76.758 $\pm$ 0.967 χ^2 /NDF:1035.3/24

Right Out: 48.908 $\pm$ 1.575 χ^2 /NDF: 754.9/32

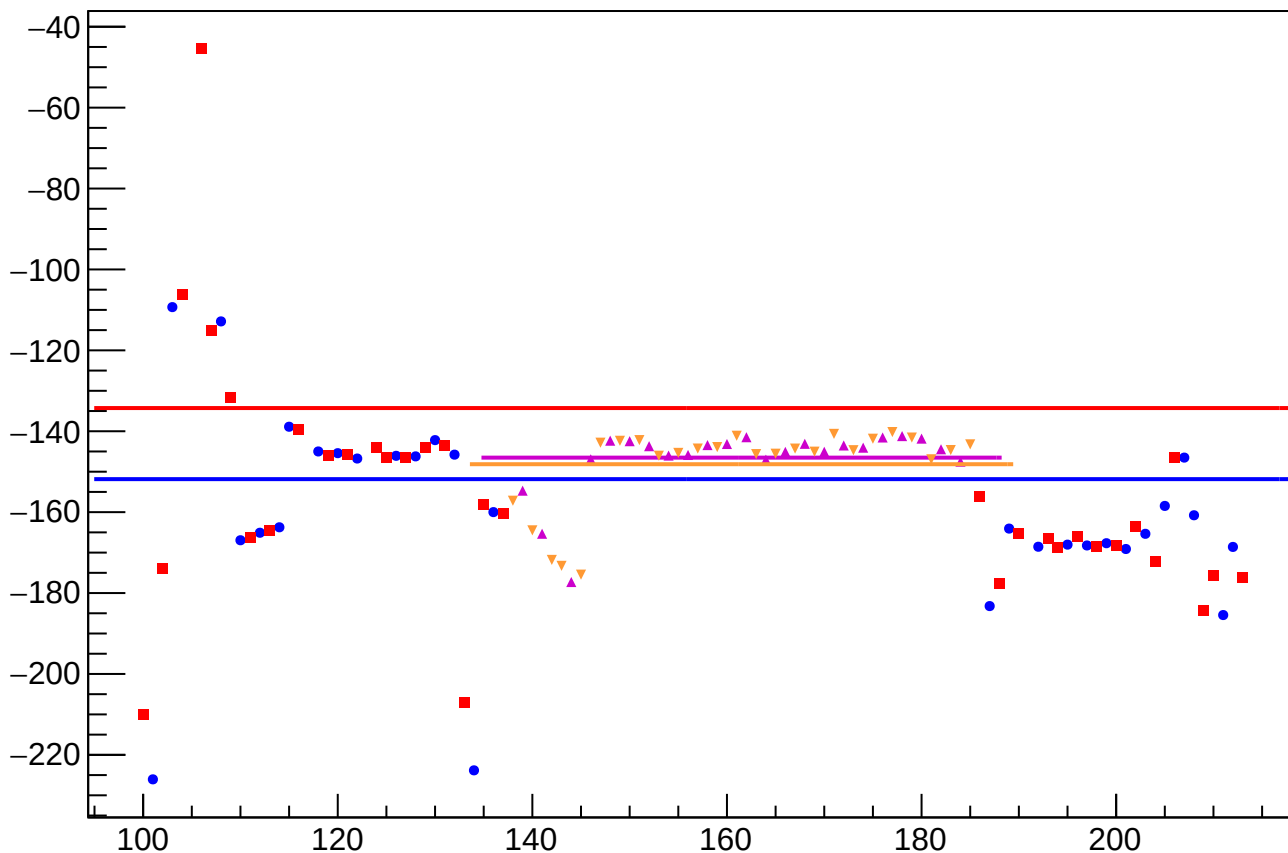
Left In: 77.923 $\pm$ 0.997 χ^2 /NDF:783.8/22

+ sign 71.763 $\pm$ 0.840 χ^2 /NDF: 1857.0/53

All: 70.698 $\pm$ 0.595 χ^2 /NDF: 3641.2/109

- sign 69.628 $\pm$ 0.842 χ^2 /NDF: 1781.0/55

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.838 ± 0.081 $\chi^2/\text{NDF}: 149705.7/28$

Left Out: -148.148 ± 0.045 $\chi^2/\text{NDF}: 48910.2/24$

Right Out: -134.266 ± 0.074 $\chi^2/\text{NDF}: 361002.7/32$

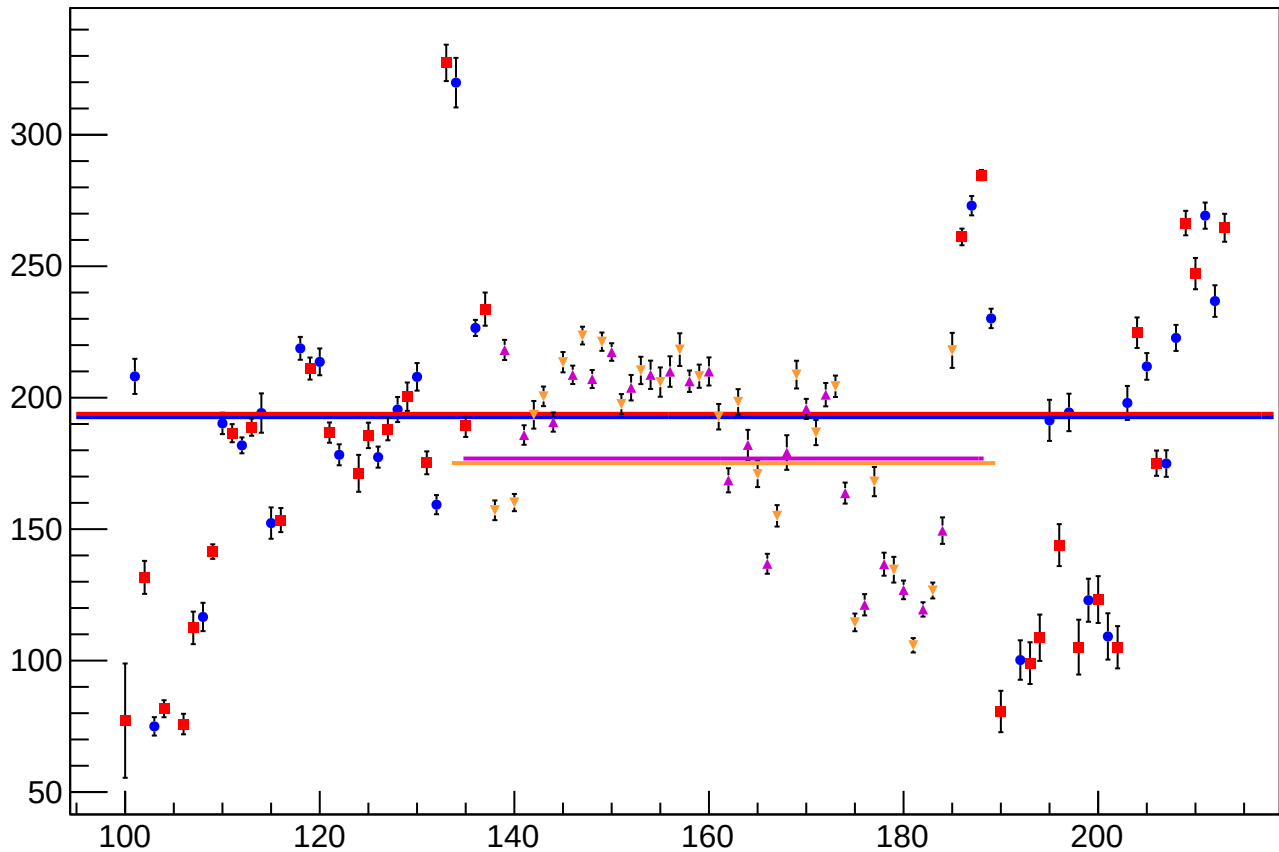
Left In: -146.523 ± 0.046 $\chi^2/\text{NDF}: 29172.3/22$

+ sign -149.017 ± 0.039 $\chi^2/\text{NDF}: 200193.1/53$

All: -146.055 ± 0.028 $\chi^2/\text{NDF}: 621239.7/109$

- sign -143.180 ± 0.039 $\chi^2/\text{NDF}: 409922.1/55$

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 192.601 ± 0.883 $\chi^2/\text{NDF}: 3119.6/28$

Left Out: 175.126 ± 0.822 $\chi^2/\text{NDF}: 2295.2/24$

Right Out: 193.869 ± 0.779 $\chi^2/\text{NDF}: 7259.7/32$

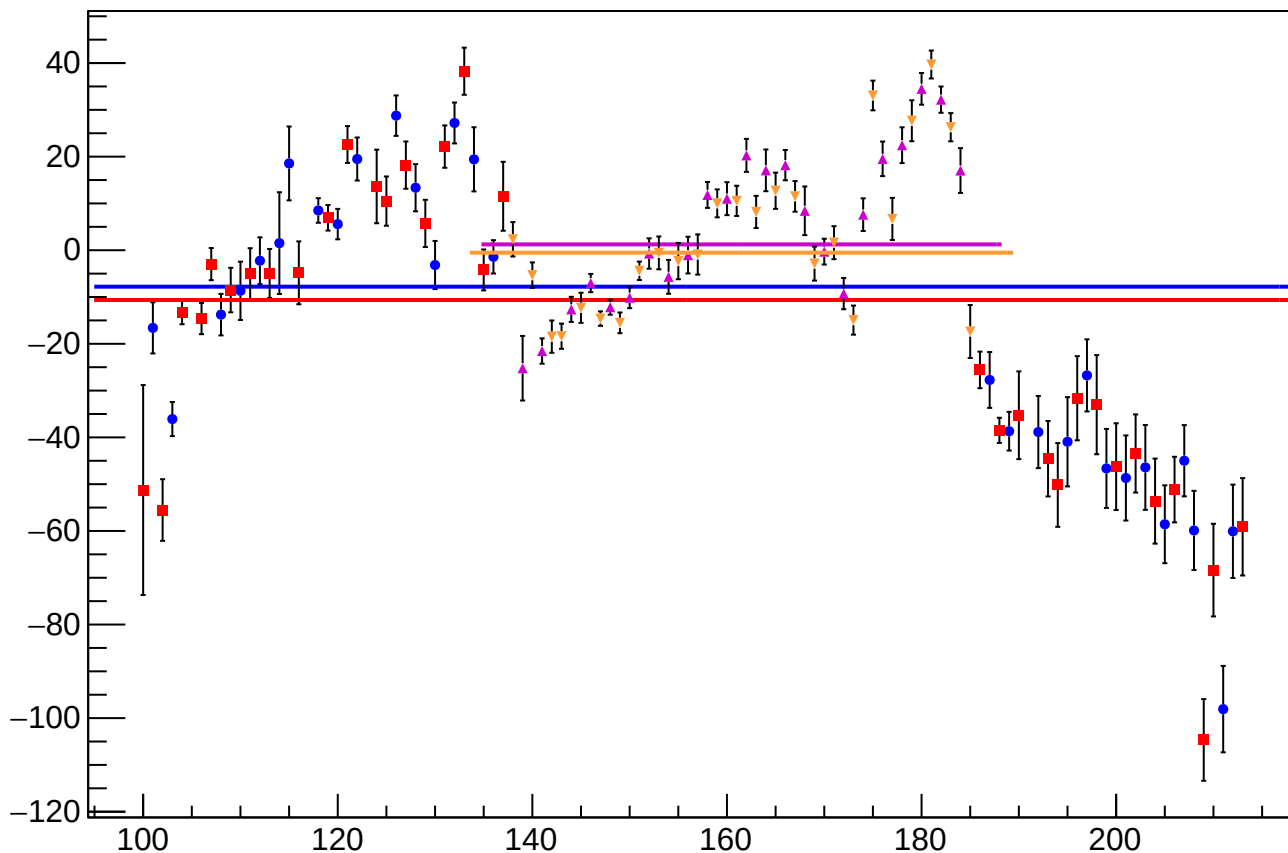
Left In: 176.862 ± 0.847 $\chi^2/\text{NDF}: 1756.1/22$

+ sign 183.241 ± 0.602 $\chi^2/\text{NDF}: 5624.7/53$

All: 184.723 ± 0.415 $\chi^2/\text{NDF}: 14870.3/109$

- sign 186.070 ± 0.574 $\chi^2/\text{NDF}: 9234.0/55$

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.789 ± 0.973 $\chi^2/\text{NDF}: 724.1/28$

Left Out: -0.523 ± 0.601 $\chi^2/\text{NDF}: 724.5/24$

Right Out: -10.634 ± 0.867 $\chi^2/\text{NDF}: 833.5/32$

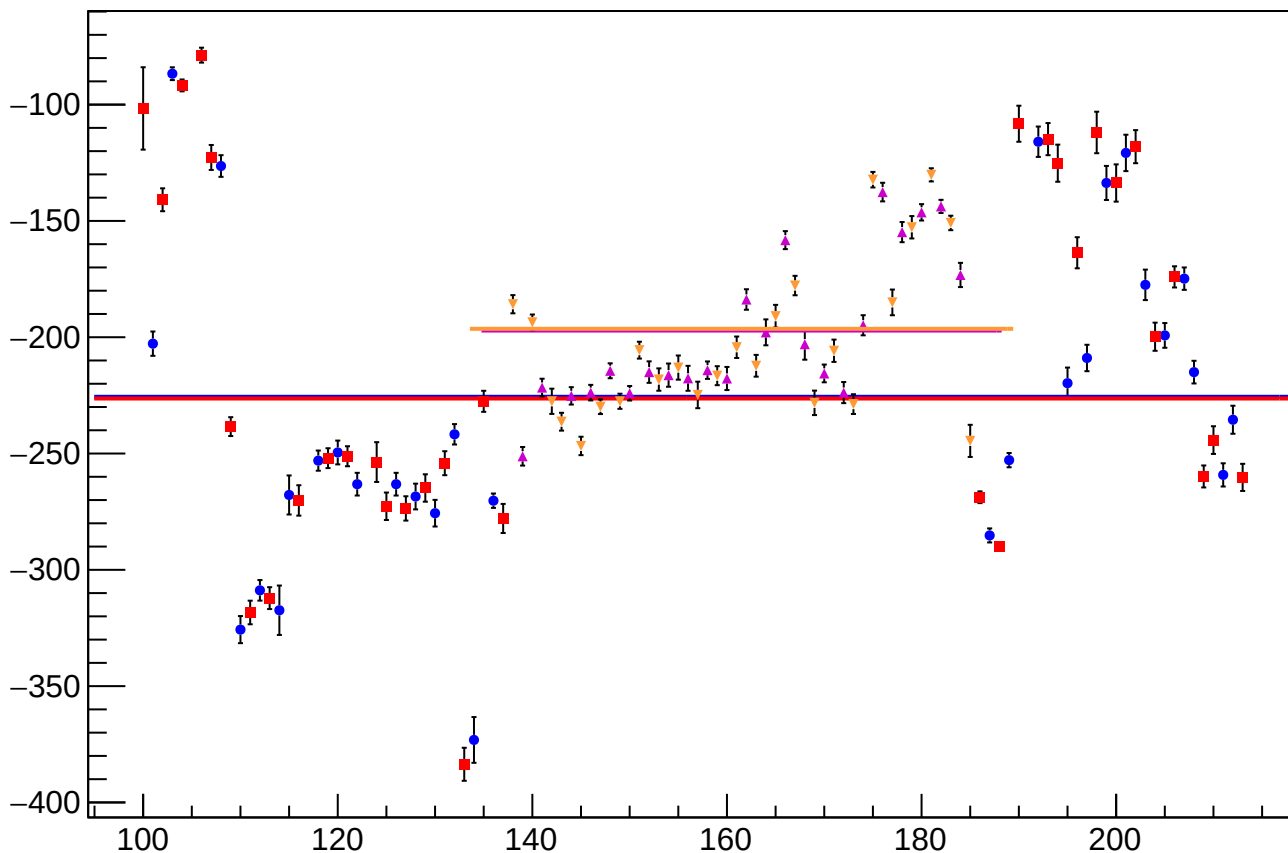
Left In: 1.244 ± 0.625 $\chi^2/\text{NDF}: 620.6/22$

+ sign -2.528 ± 0.511 $\chi^2/\text{NDF}: 1489.0/53$

All: -2.677 ± 0.360 $\chi^2/\text{NDF}: 3066.7/109$

- sign -2.824 ± 0.507 $\chi^2/\text{NDF}: 1577.5/55$

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -225.609 ± 0.890 χ^2/NDF : 5879.1/28

Left Out: -196.380 ± 0.816 χ^2/NDF : 1997.7/24

Right Out: -226.350 ± 0.763 χ^2/NDF : 10651.4/32

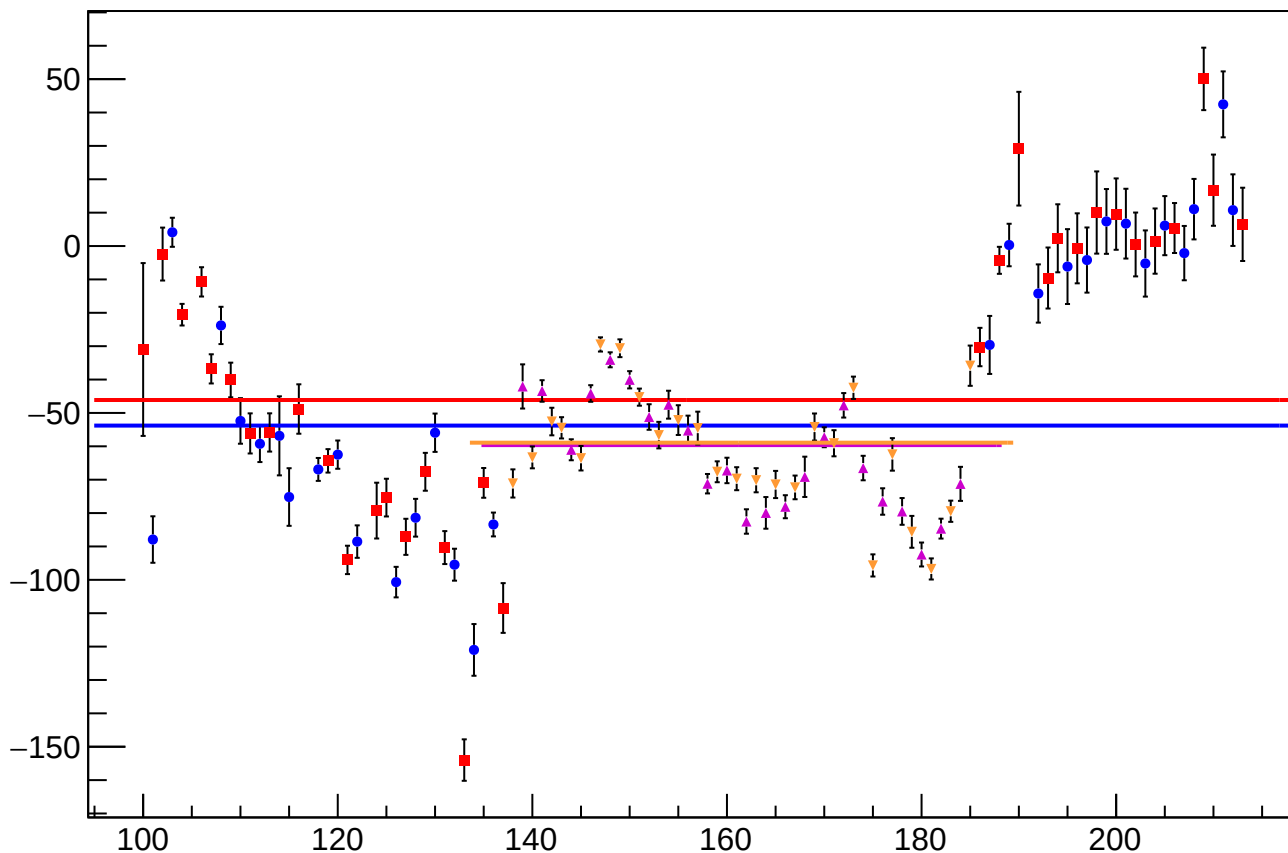
Left In: -197.128 ± 0.837 χ^2/NDF : 1601.5/22

+ sign -209.729 ± 0.601 χ^2/NDF : 8463.1/53

All: -211.518 ± 0.411 χ^2/NDF : 21398.7/109

- sign -213.090 ± 0.564 χ^2/NDF : 12919.0/55

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -53.791 ± 1.139 $\chi^2/\text{NDF}: 1166.4/28$

Left Out: -58.910 ± 0.695 $\chi^2/\text{NDF}: 782.5/24$

Right Out: -46.126 ± 1.042 $\chi^2/\text{NDF}: 1418.8/32$

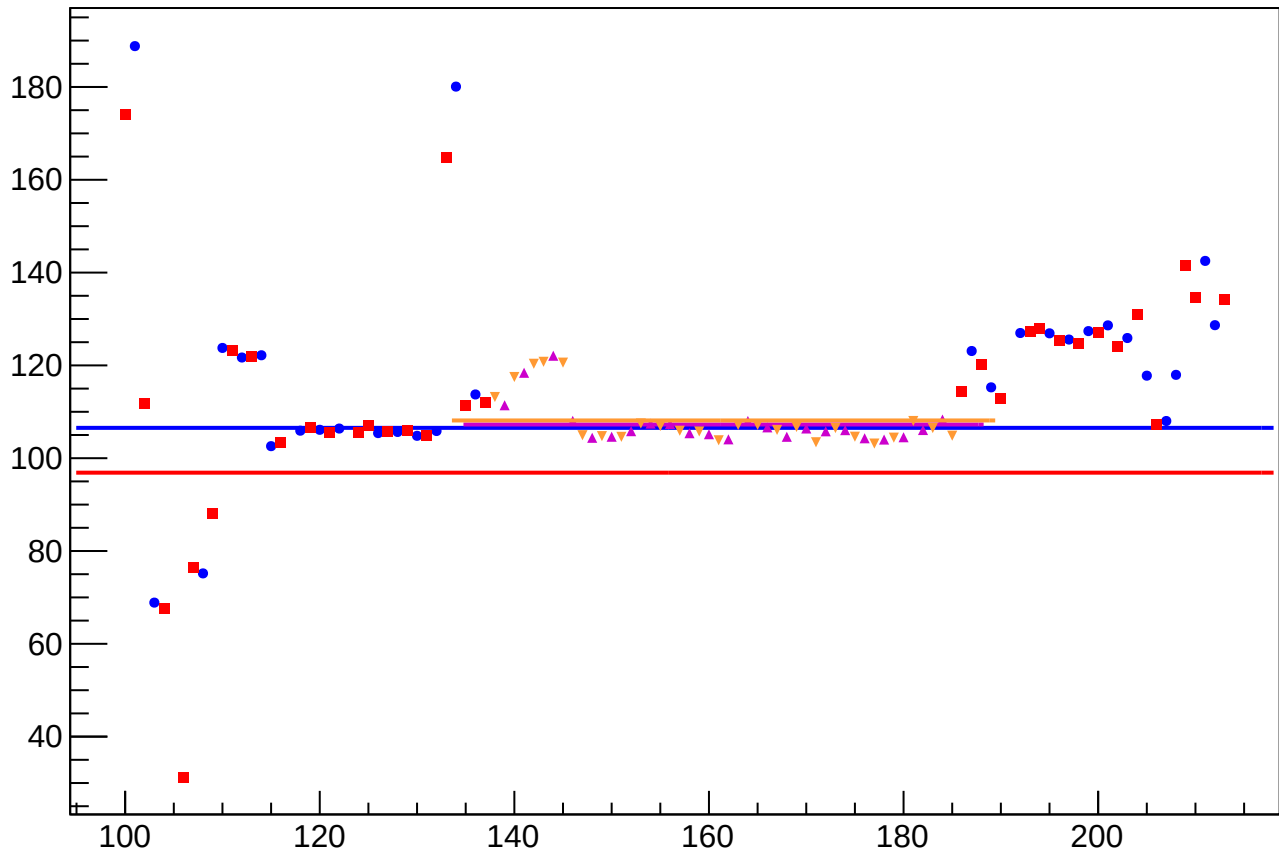
Left In: -59.637 ± 0.718 $\chi^2/\text{NDF}: 597.0/22$

+ sign -57.522 ± 0.593 $\chi^2/\text{NDF}: 1963.6/53$

All: -56.398 ± 0.419 $\chi^2/\text{NDF}: 4100.7/109$

- sign -55.282 ± 0.591 $\chi^2/\text{NDF}: 2129.9/55$

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 106.540 $\pm$ 0.054 χ^2 /NDF: 281795.9/28

Left Out: 108.136 $\pm$ 0.032 χ^2 /NDF: 26420.1/24

Right Out: 96.882 $\pm$ 0.050 χ^2 /NDF: 408800.2/32

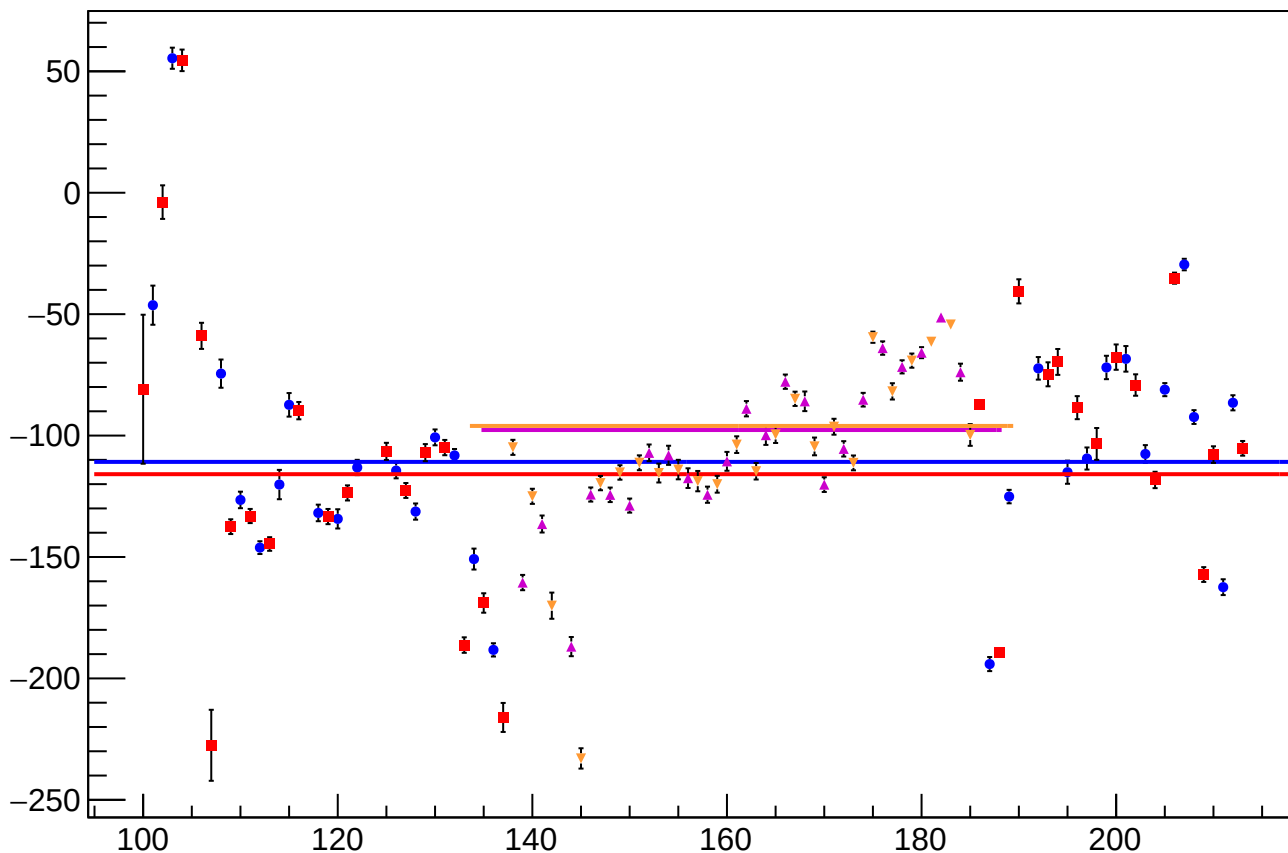
Left In: 107.266 $\pm$ 0.033 χ^2 /NDF: 16879.3/22

+ sign 107.715 $\pm$ 0.028 χ^2 /NDF: 308853.0/53

All: 105.910 $\pm$ 0.020 χ^2 /NDF: 772812.7/109

- sign 104.152 $\pm$ 0.027 χ^2 /NDF: 455664.8/55

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -110.833 ± 0.640 χ^2/NDF : 5500.4/28

Left Out: -96.026 ± 0.635 χ^2/NDF : 2770.9/23

Right Out: -115.897 ± 0.587 χ^2/NDF : 7515.7/31

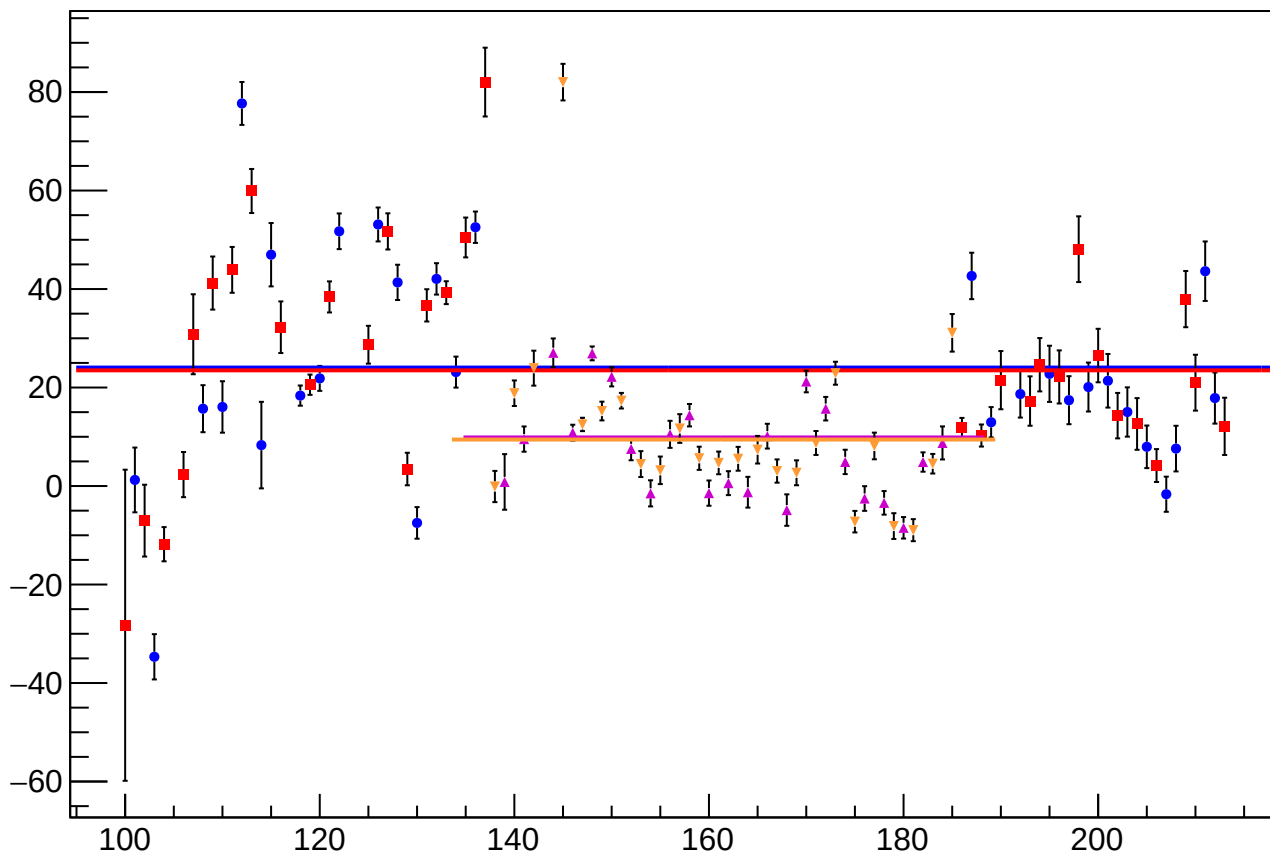
Left In: -97.713 ± 0.639 χ^2/NDF : 2640.9/22

+ sign -103.366 ± 0.451 χ^2/NDF : 8540.9/52

All: -105.557 ± 0.312 χ^2/NDF : 19182.5/107

- sign -107.570 ± 0.432 χ^2/NDF : 10596.2/54

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 24.052 ± 0.727 χ^2/NDF : 844.3/28

Left Out: 9.438 ± 0.478 χ^2/NDF : 736.4/23

Right Out: 23.493 ± 0.680 χ^2/NDF : 679.7/31

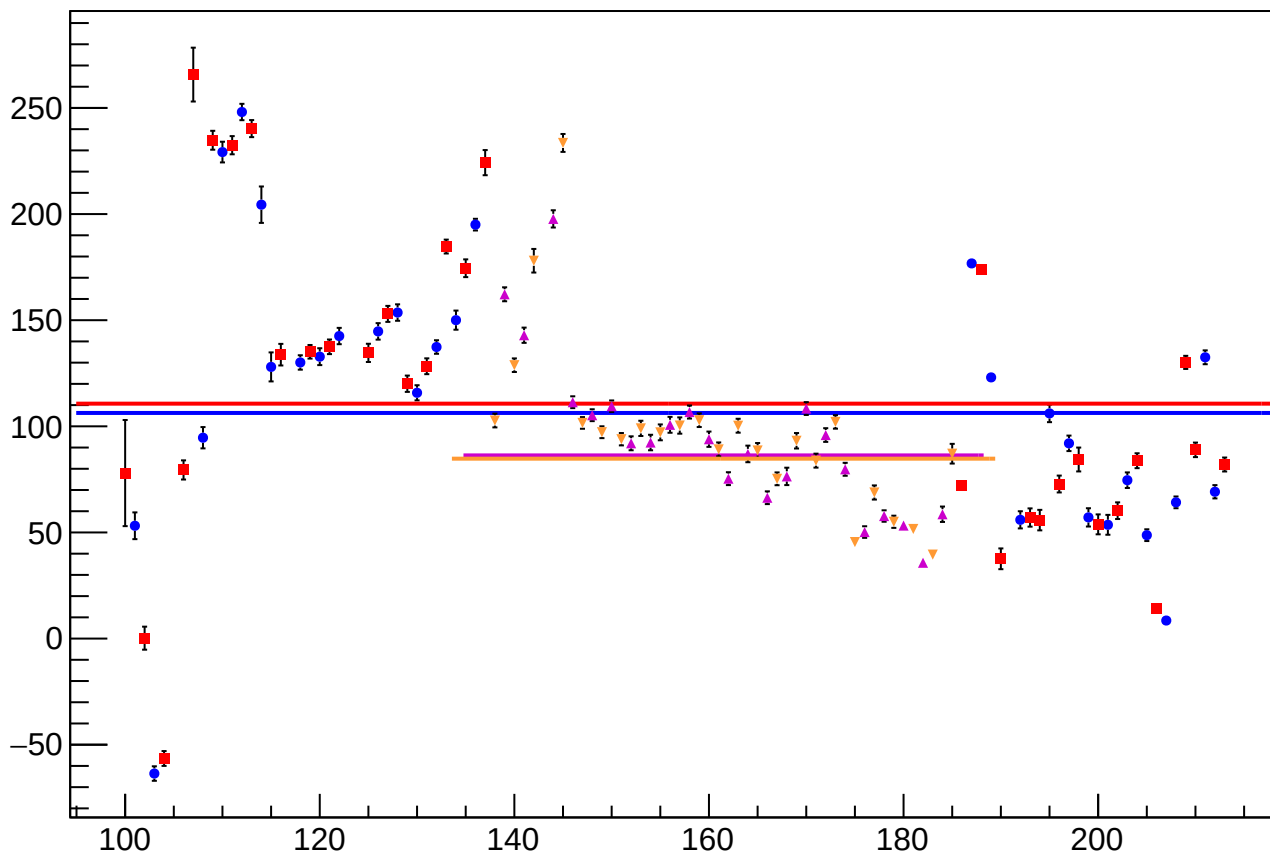
Left In: 9.864 ± 0.487 χ^2/NDF : 485.4/22

+ sign 13.849 ± 0.399 χ^2/NDF : 1862.9/52

All: 14.167 ± 0.281 χ^2/NDF : 3294.8/107

- sign 14.479 ± 0.396 χ^2/NDF : 1430.7/54

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 106.301 $\pm$ 0.648 χ^2 /NDF: 10516.1/28

Left Out: 84.759 $\pm$ 0.629 χ^2 /NDF:3110.5/23

Right Out: 110.680 $\pm$ 0.570 χ^2 /NDF: 13257.6/31

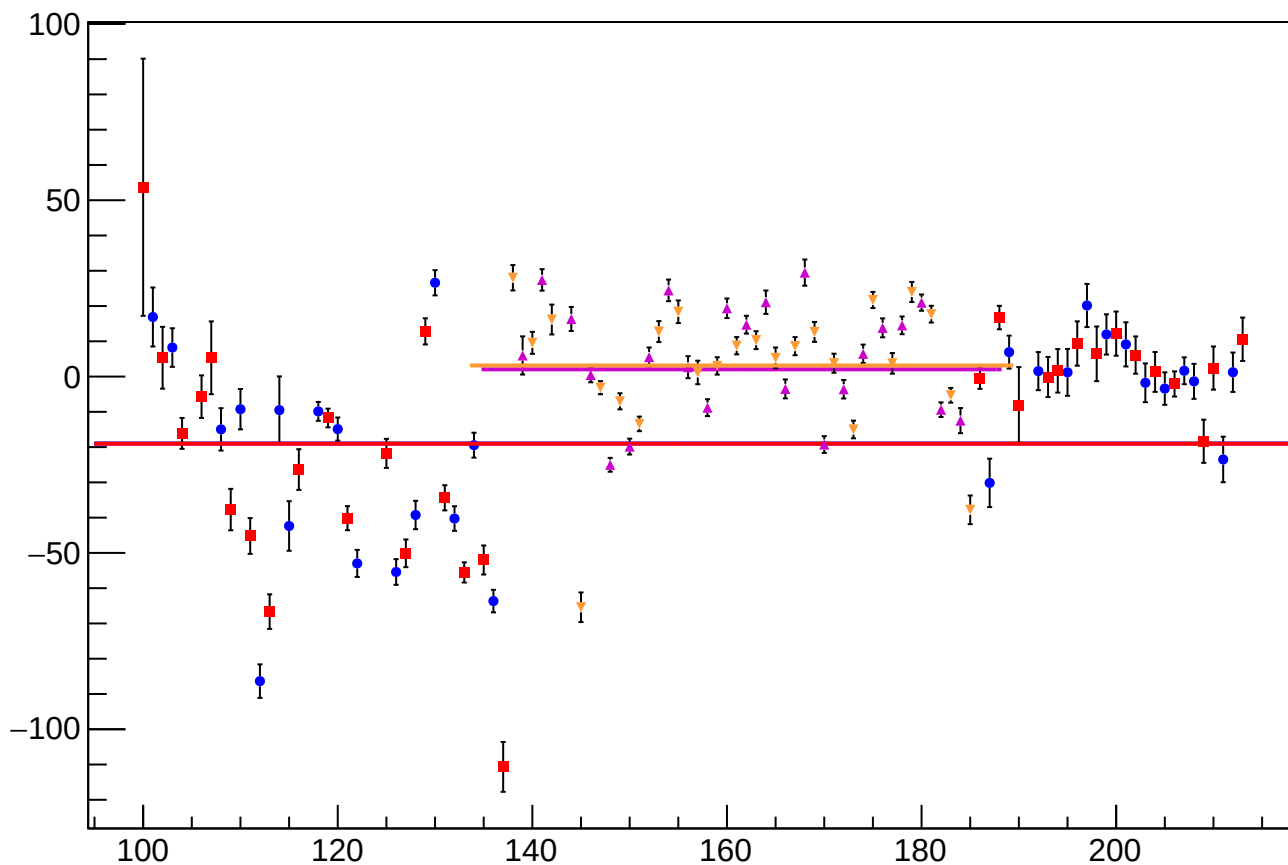
Left In: 86.300 $\pm$ 0.632 χ^2 /NDF:3152.8/22

+ sign 95.212 $\pm$ 0.451 χ^2 /NDF: 14195.4/52

All: 97.624 $\pm$ 0.309 χ^2 /NDF: 31480.6/107

- sign 99.745 $\pm$ 0.423 χ^2 /NDF: 17231.5/54

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -18.978 ± 0.842 χ^2/NDF : 1096.4/28

Left Out: 3.151 ± 0.544 χ^2/NDF : 813.9/23

Right Out: -19.030 ± 0.814 χ^2/NDF : 1079.1/31

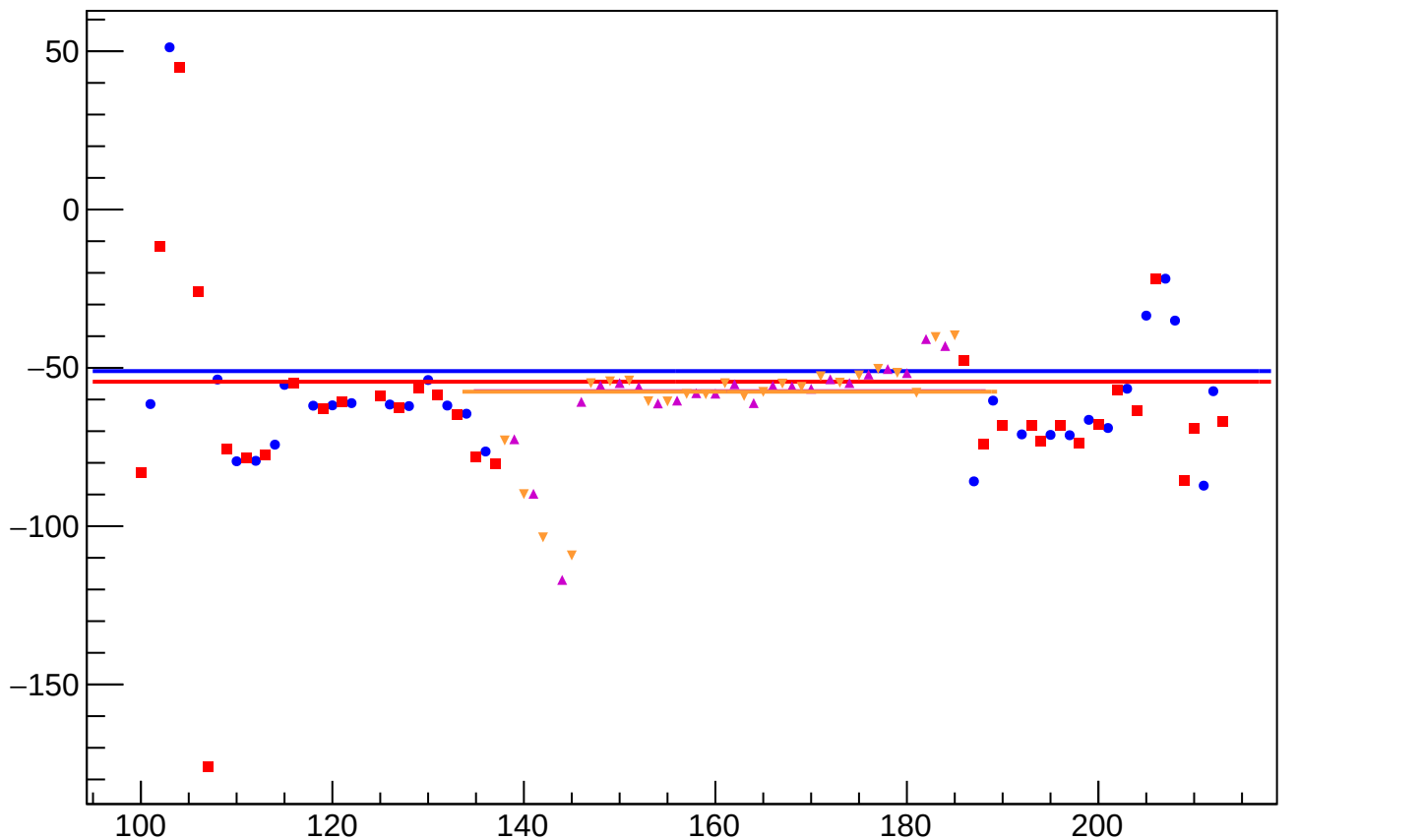
Left In: 2.050 ± 0.551 χ^2/NDF : 850.8/22

+ sign -3.359 ± 0.457 χ^2/NDF : 2397.5/52

All: -3.967 ± 0.323 χ^2/NDF : 4790.8/107

- sign -4.573 ± 0.456 χ^2/NDF : 2389.7/54

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -51.029 ± 0.040 χ^2/NDF : 718930.4/28

Left Out: -57.532 ± 0.025 χ^2/NDF : 267030.7/23

Right Out: -54.388 ± 0.040 χ^2/NDF : 636819.0/31

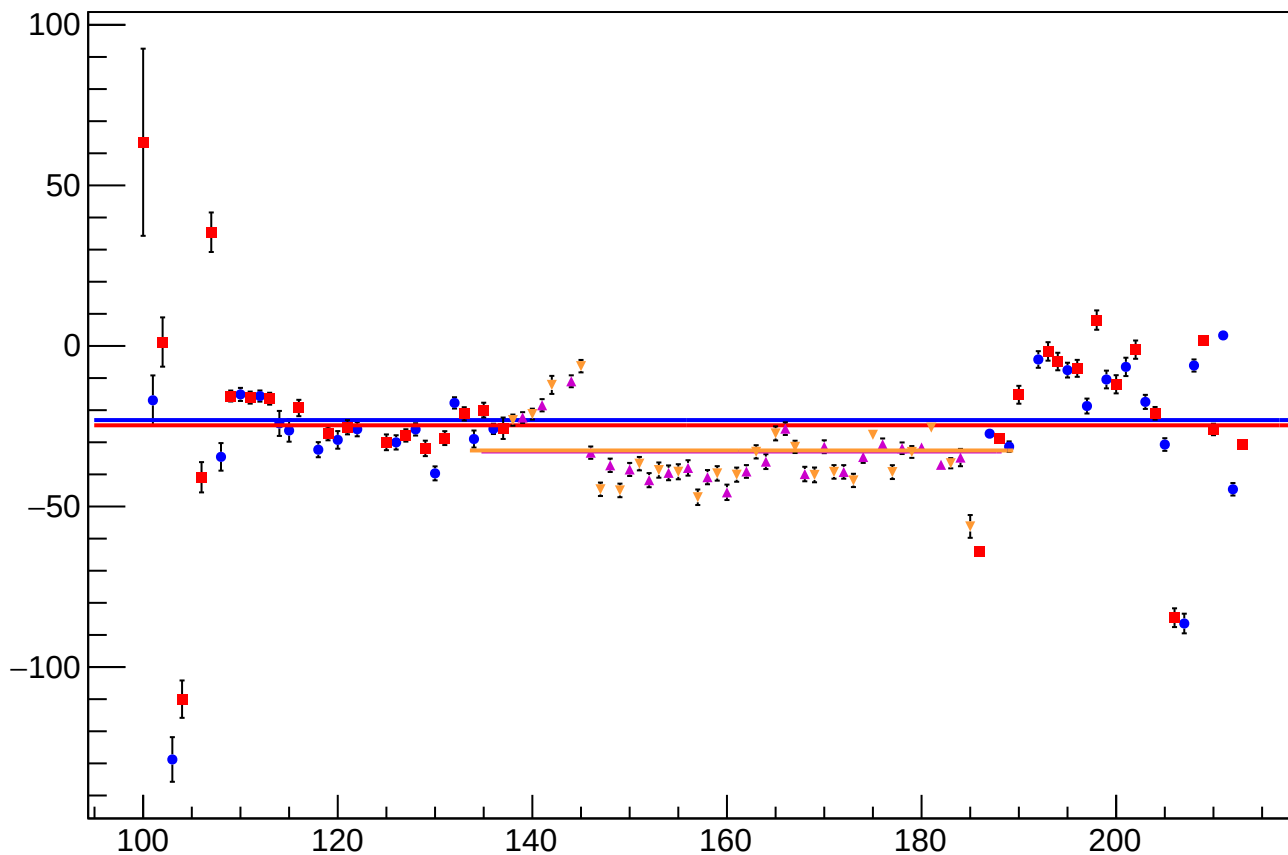
Left In: -57.377 ± 0.025 χ^2/NDF : 227136.8/22

+ sign -55.759 ± 0.021 χ^2/NDF : 1004758.8/52

All: -56.161 ± 0.015 χ^2/NDF : 1873413.8/107

- sign -56.561 ± 0.021 χ^2/NDF : 867934.2/54

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -23.082 ± 0.407 χ^2/NDF : 1517.5/28

Left Out: -32.549 ± 0.407 χ^2/NDF : 603.6/23

Right Out: -24.714 ± 0.370 χ^2/NDF : 2383.0/31

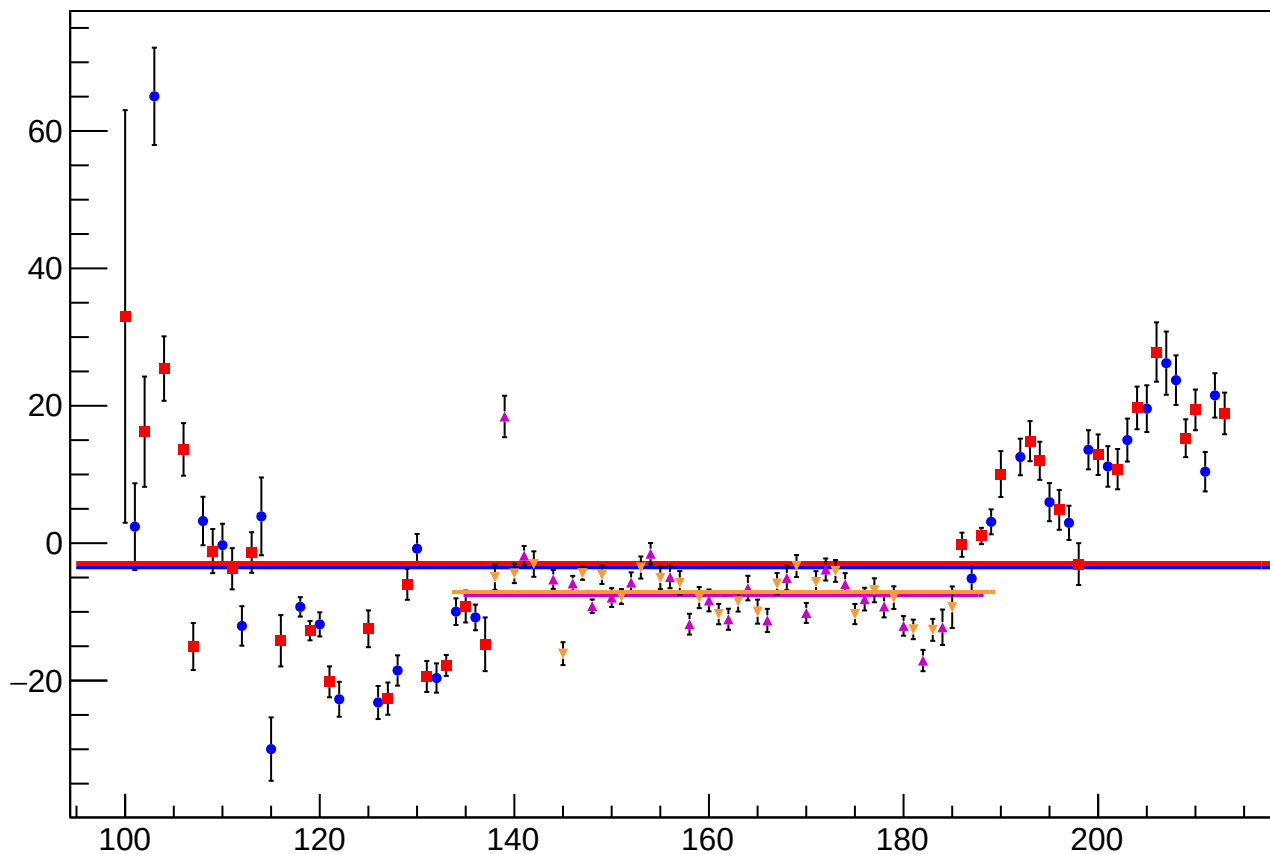
Left In: -32.867 ± 0.411 χ^2/NDF : 373.2/22

+ sign -27.817 ± 0.288 χ^2/NDF : 2392.1/52

All: -28.099 ± 0.199 χ^2/NDF : 5367.5/107

- sign -28.358 ± 0.275 χ^2/NDF : 2973.5/54

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -3.504 ± 0.473 χ^2/NDF : 830.2/28

Left Out: -7.110 ± 0.309 χ^2/NDF : 109.5/23

Right Out: -2.887 ± 0.445 χ^2/NDF : 851.1/31

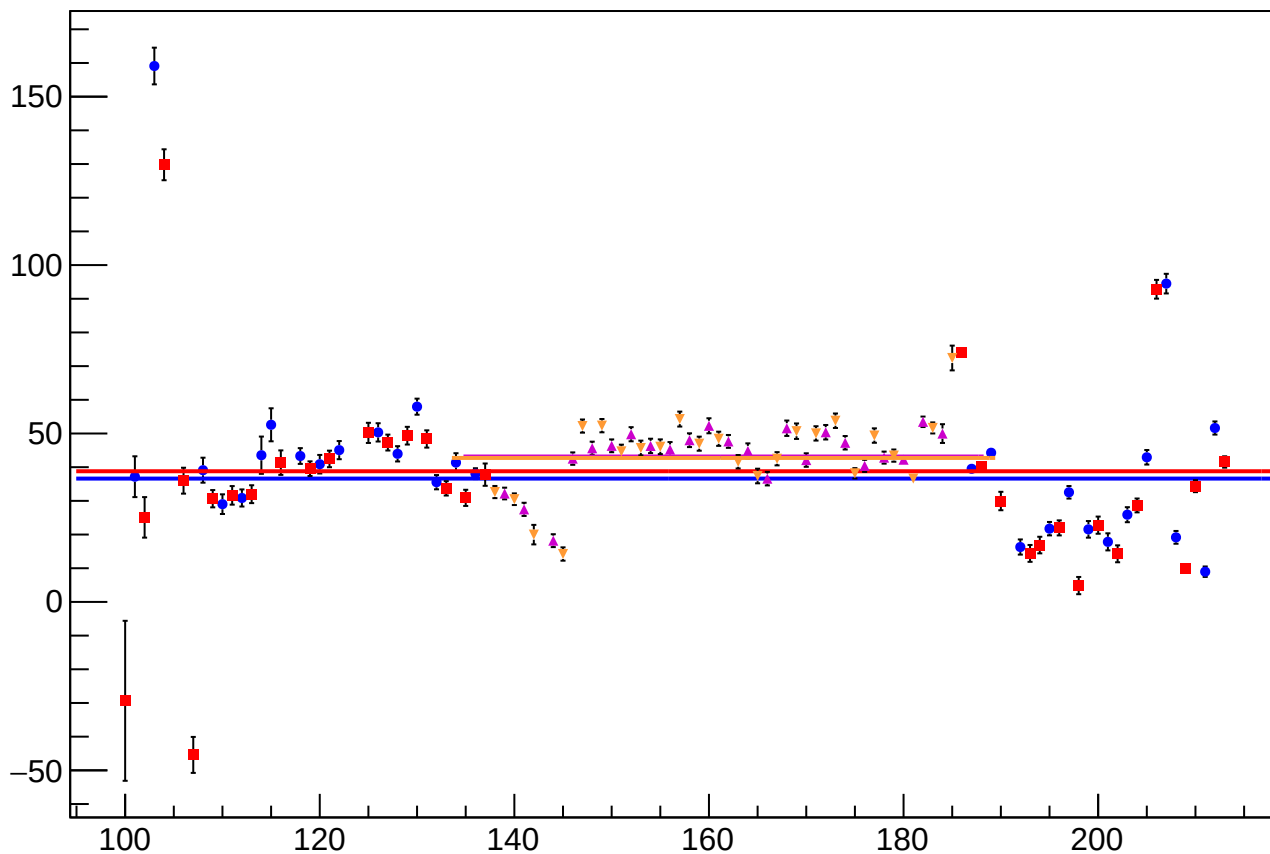
Left In: -7.547 ± 0.315 χ^2/NDF : 199.7/22

+ sign -6.031 ± 0.259 χ^2/NDF : 980.4/52

All: -6.010 ± 0.182 χ^2/NDF : 2104.3/107

- sign -5.989 ± 0.257 χ^2/NDF : 1124.0/54

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 36.613+/-0.408 χ^2/NDF : 1831.3/28

Left Out: 42.745+/-0.403 χ^2/NDF : 631.5/23

Right Out: 38.796+/-0.361 χ^2/NDF : 3074.7/31

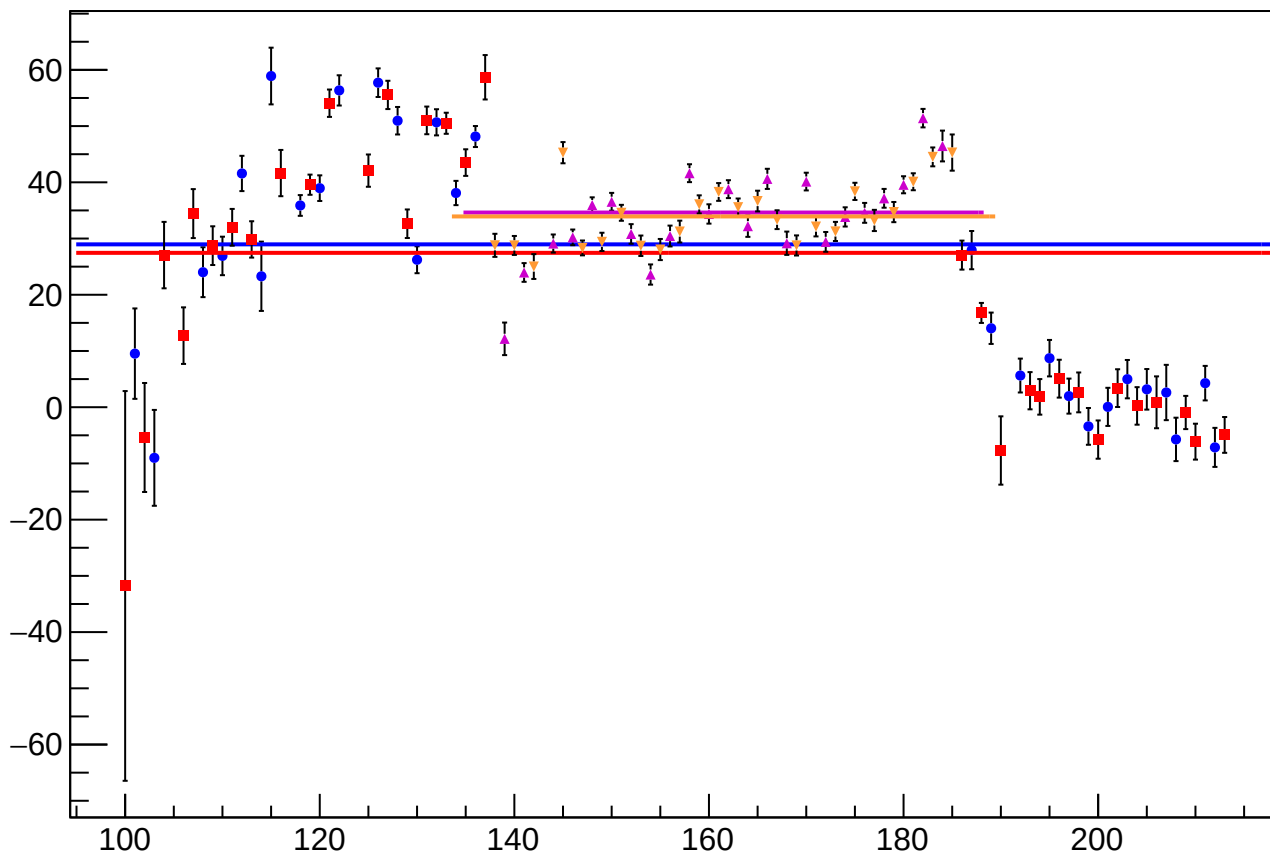
Left In: 43.169+/-0.407 χ^2/NDF : 413.0/22

+ sign 39.719+/-0.287 χ^2/NDF : 2576.9/52

All: 40.250+/-0.197 χ^2/NDF : 6135.7/107

- sign 40.720+/-0.270 χ^2/NDF : 3552.3/54

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 28.965 ± 0.550 χ^2/NDF : 1392.6/28

Left Out: 33.930 ± 0.351 χ^2/NDF : 216.5/23

Right Out: 27.455 ± 0.531 χ^2/NDF : 1547.7/31

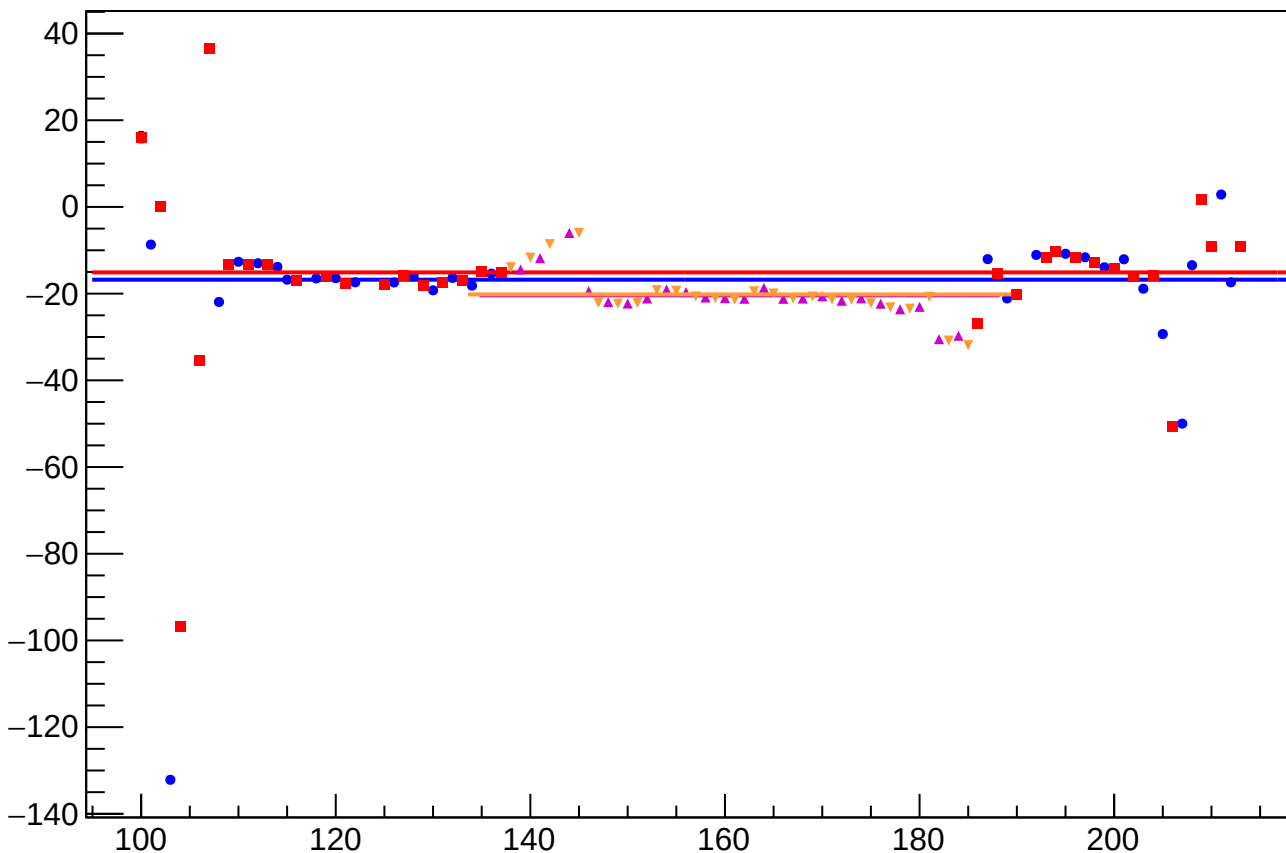
Left In: 34.623 ± 0.356 χ^2/NDF : 376.1/22

+ sign 32.496 ± 0.296 χ^2/NDF : 1667.1/52

All: 32.447 ± 0.209 χ^2/NDF : 3716.6/107

- sign 32.398 ± 0.296 χ^2/NDF : 2049.4/54

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -16.783 ± 0.026 $\chi^2/\text{NDF}: 323838.3/28$

Left Out: -20.174 ± 0.016 $\chi^2/\text{NDF}: 99947.2/23$

Right Out: -15.098 ± 0.026 $\chi^2/\text{NDF}: 275826.9/31$

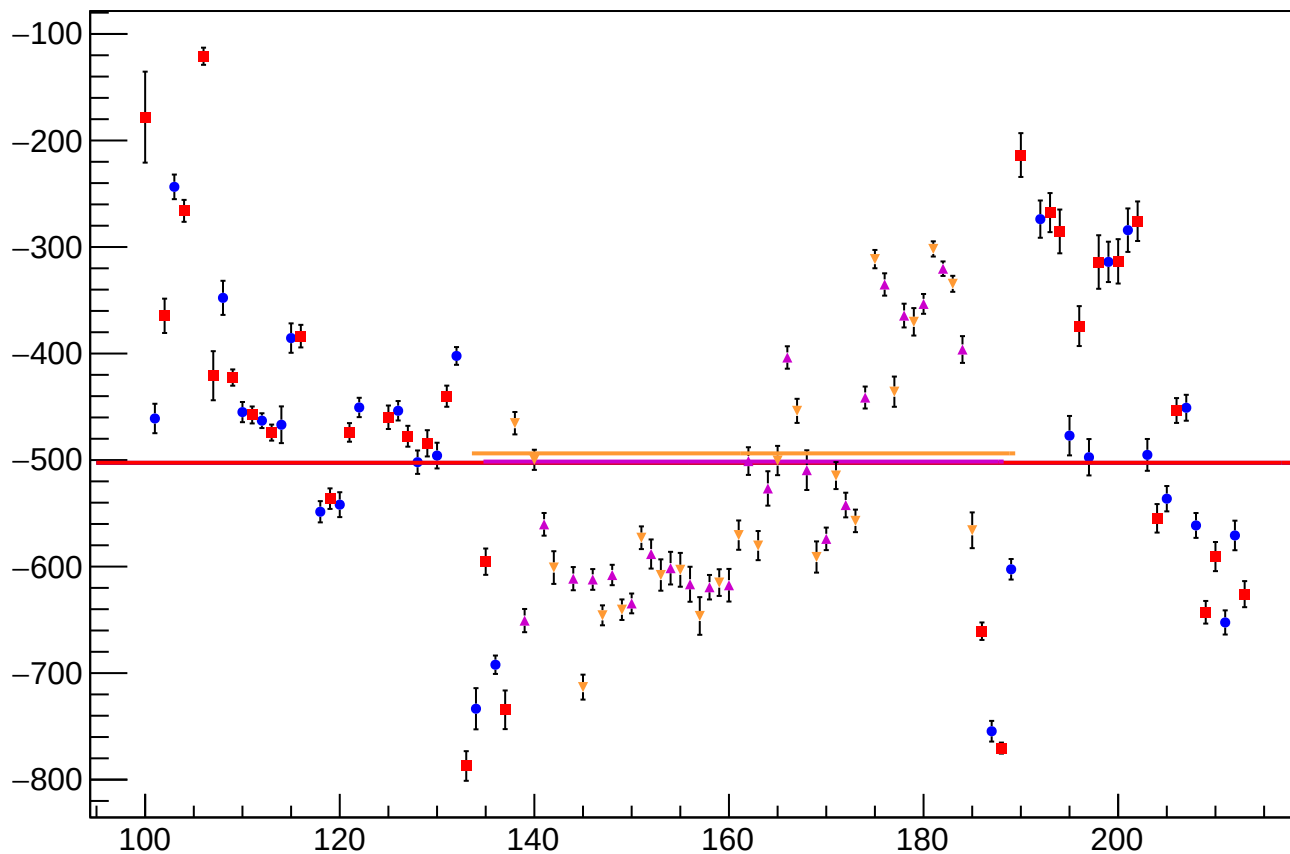
Left In: -20.396 ± 0.016 $\chi^2/\text{NDF}: 81154.4/22$

+ sign -19.287 ± 0.014 $\chi^2/\text{NDF}: 435878.7/52$

All: -19.119 ± 0.010 $\chi^2/\text{NDF}: 823842.1/107$

- sign -18.954 ± 0.013 $\chi^2/\text{NDF}: 387660.0/54$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -502.624 ± 2.137 χ^2/NDF : 3021.3/28

Left Out: -493.722 ± 2.295 χ^2/NDF : 3150.0/23

Right Out: -502.514 ± 1.931 χ^2/NDF : 8146.4/31

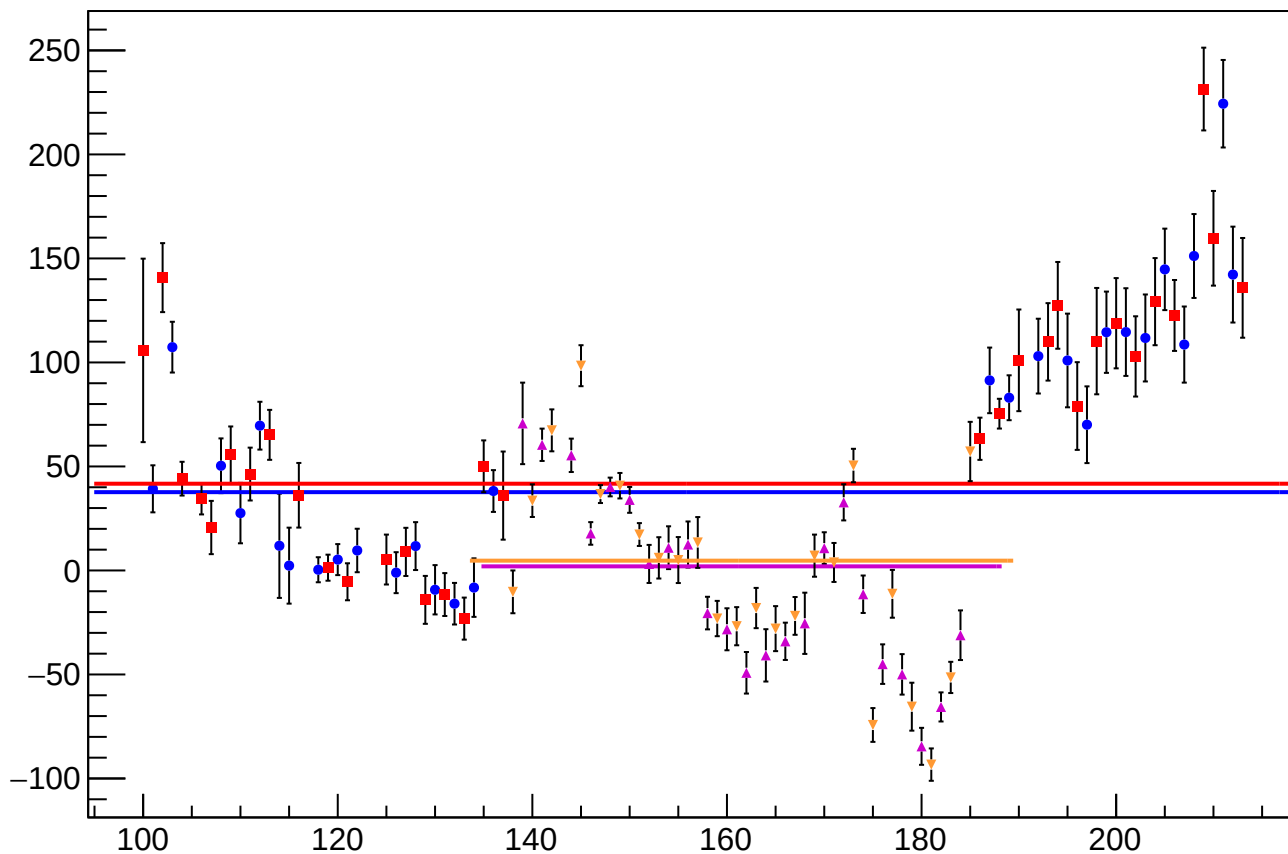
Left In: -501.425 ± 2.306 χ^2/NDF : 2689.3/22

+ sign -498.490 ± 1.564 χ^2/NDF : 6179.3/52

All: -500.376 ± 1.075 χ^2/NDF : 17017.9/107

- sign -502.066 ± 1.480 χ^2/NDF : 10835.8/54

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 37.646 $\pm$ 2.345 χ^2 /NDF: 457.7/28

Left Out: 4.709 $\pm$ 1.696 χ^2 /NDF: 680.3/23

Right Out: 41.701 $\pm$ 2.179 χ^2 /NDF: 494.7/31

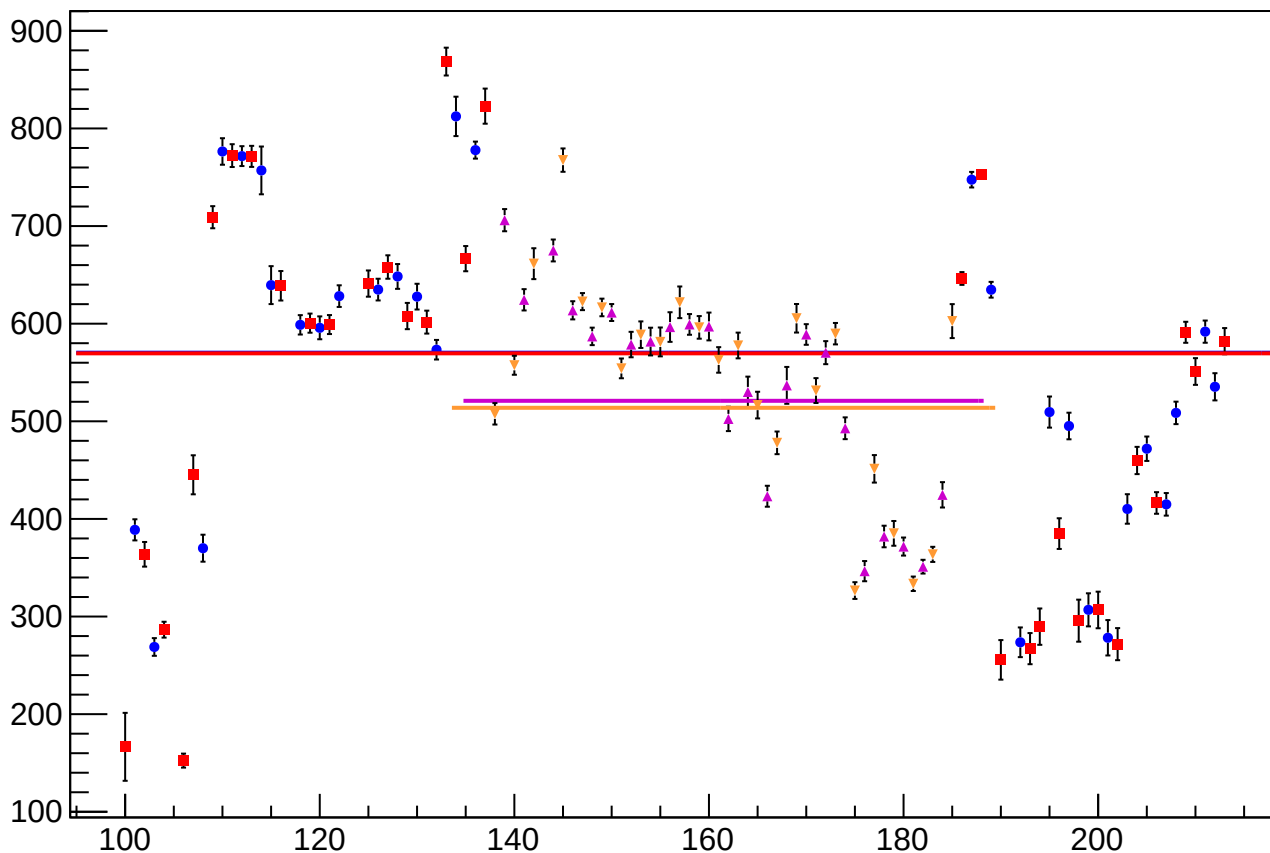
Left In: 1.970 $\pm$ 1.722 χ^2 /NDF: 560.8/22

+ sign 16.019 $\pm$ 1.374 χ^2 /NDF: 1267.6/52

All: 16.641 $\pm$ 0.963 χ^2 /NDF: 2528.1/107

- sign 17.243 $\pm$ 1.351 χ^2 /NDF: 1260.2/54

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 570.289 $\pm$ 2.201 χ^2 /NDF: 5010.7/28

Left Out: 513.833 $\pm$ 2.277 χ^2 /NDF: 2735.5/23

Right Out: 569.616 $\pm$ 1.928 χ^2 /NDF: 10673.7/31

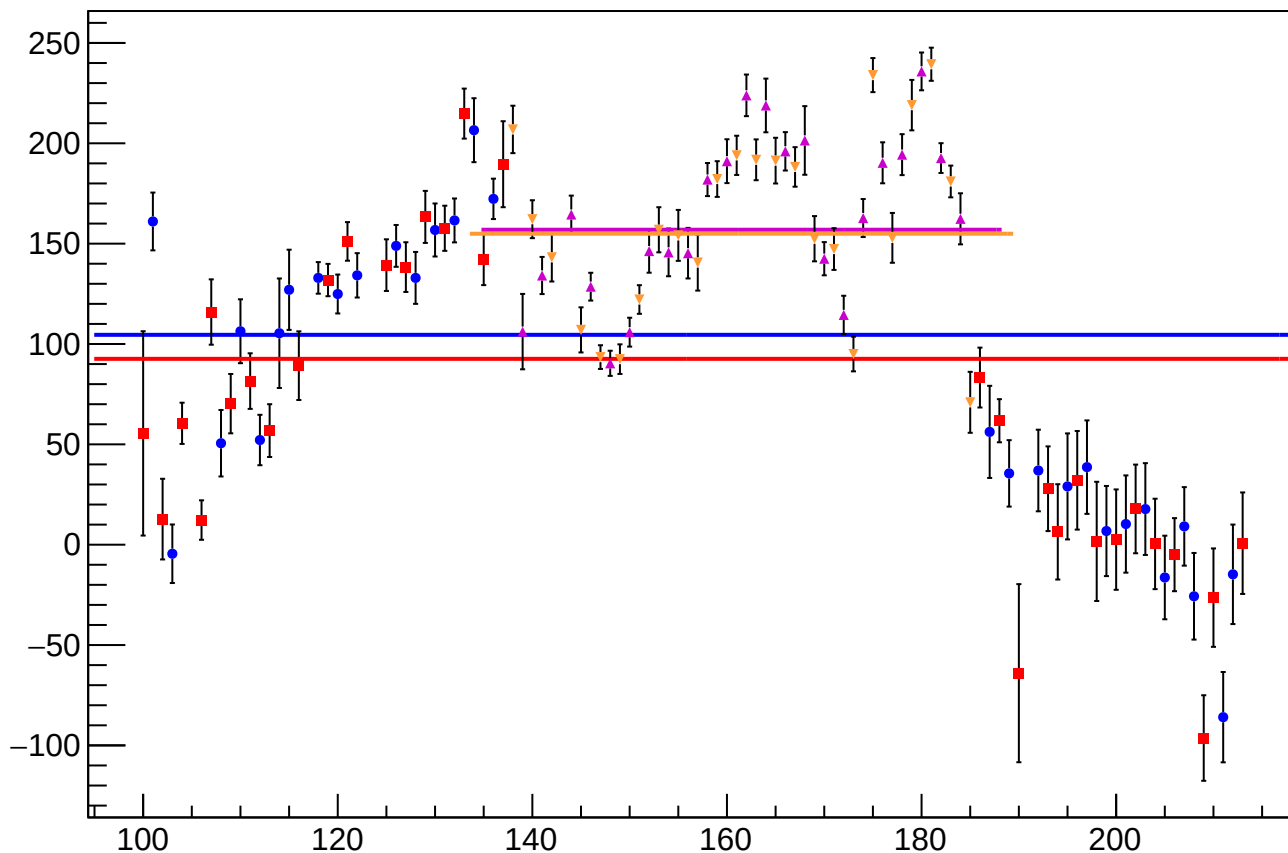
Left In: 520.990 $\pm$ 2.283 χ^2 /NDF: 2442.8/22

+ sign 543.021 $\pm$ 1.582 χ^2 /NDF: 8064.0/52

All: 546.424 $\pm$ 1.078 χ^2 /NDF: 21453.9/107

- sign 549.373 $\pm$ 1.473 χ^2 /NDF: 13381.2/54

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 104.571 ± 2.743 $\chi^2/\text{NDF}: 563.5/28$

Left Out: 154.944 ± 1.953 $\chi^2/\text{NDF}: 609.0/23$

Right Out: 92.605 ± 2.604 $\chi^2/\text{NDF}: 632.2/31$

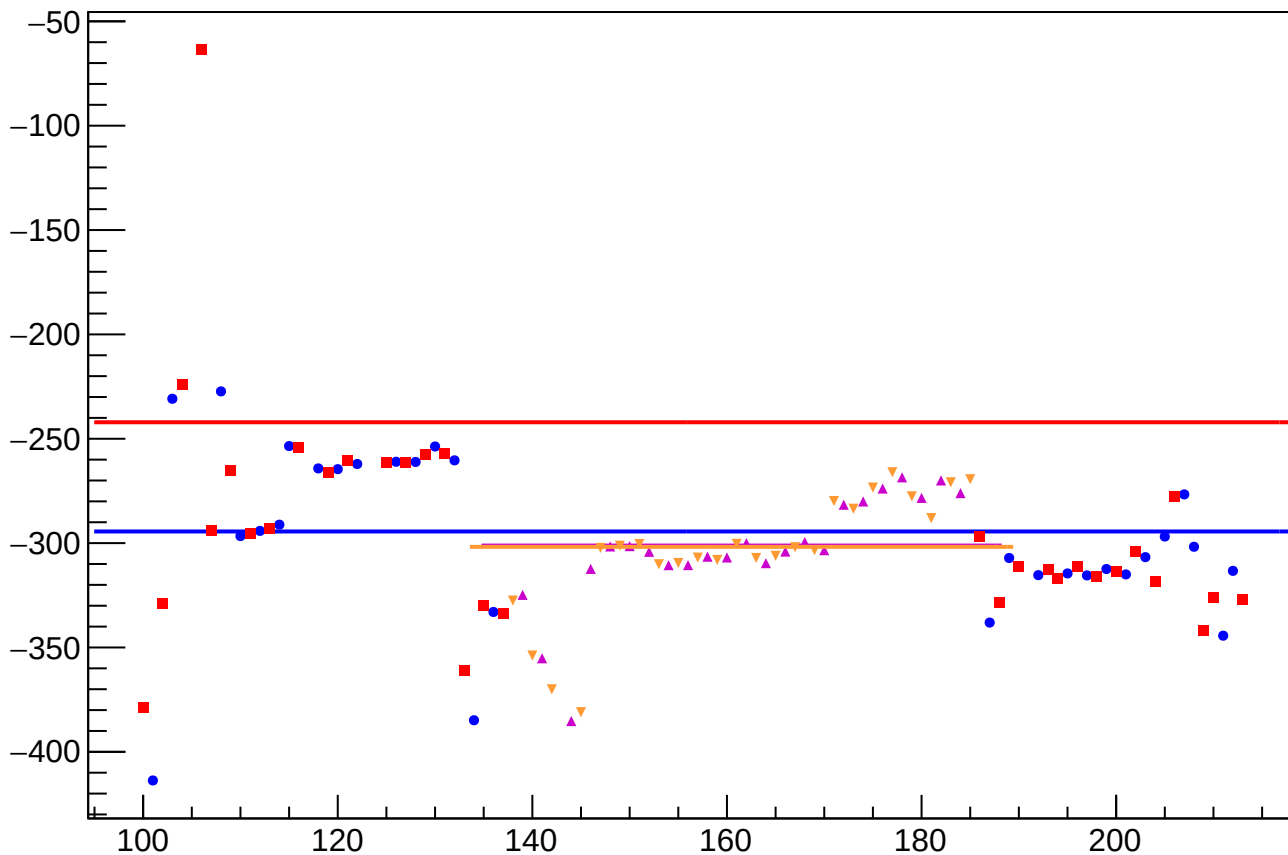
Left In: 156.934 ± 1.971 $\chi^2/\text{NDF}: 443.2/22$

+ sign 138.000 ± 1.591 $\chi^2/\text{NDF}: 1396.3/52$

All: 135.725 ± 1.118 $\chi^2/\text{NDF}: 2863.6/107$

- sign 133.504 ± 1.572 $\chi^2/\text{NDF}: 1463.3/54$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -294.421 ± 0.139 $\chi^2/\text{NDF}: 116230.0/28$

Left Out: -301.785 ± 0.091 $\chi^2/\text{NDF}: 86719.4/23$

Right Out: -242.098 ± 0.122 $\chi^2/\text{NDF}: 703918.0/31$

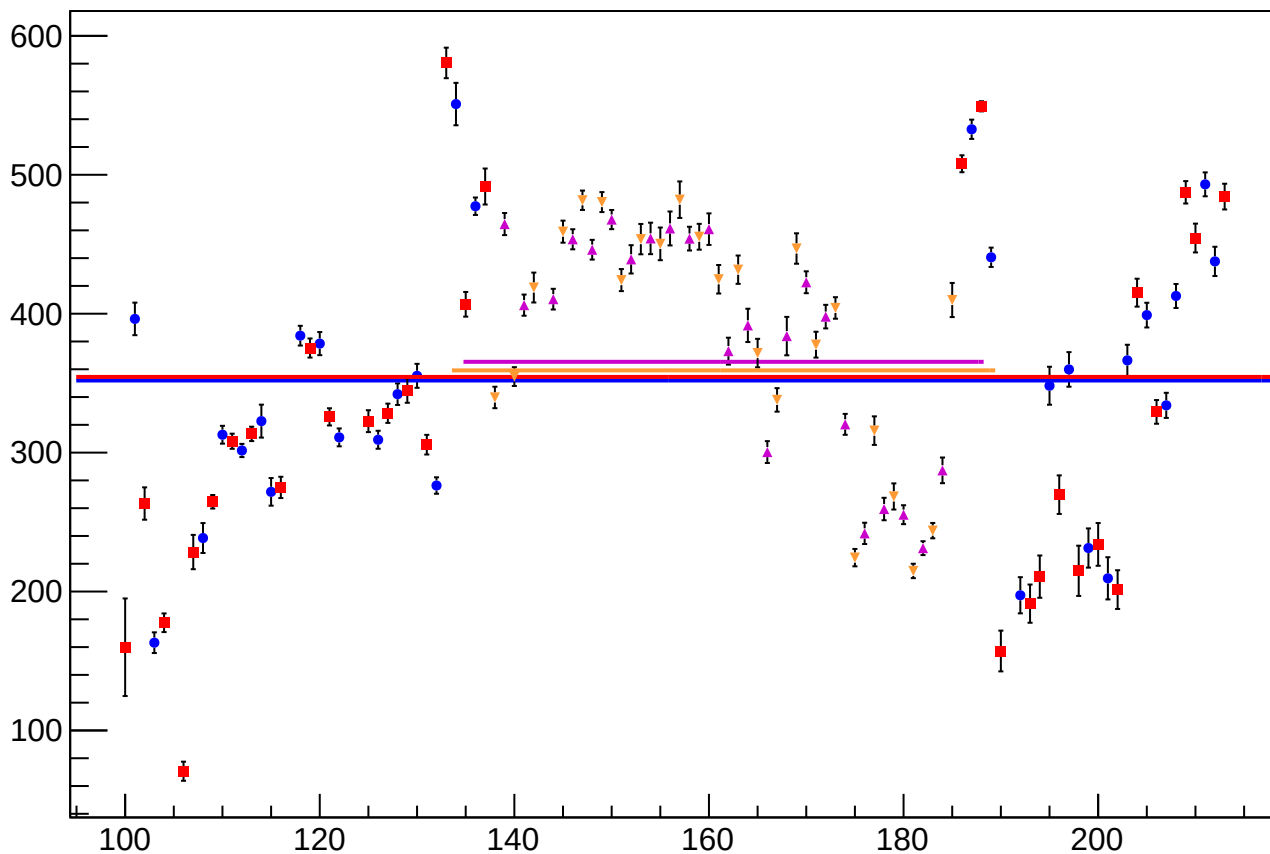
Left In: -301.176 ± 0.090 $\chi^2/\text{NDF}: 75325.3/22$

+ sign -299.593 ± 0.076 $\chi^2/\text{NDF}: 204908.0/52$

All: -289.529 ± 0.052 $\chi^2/\text{NDF}: 1169008.1/10$

- sign -280.397 ± 0.072 $\chi^2/\text{NDF}: 930728.5/54$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 351.919 ± 1.530 $\chi^2/\text{NDF}: 3399.9/28$

Left Out: 359.188 ± 1.681 $\chi^2/\text{NDF}: 3187.9/23$

Right Out: 354.494 ± 1.379 $\chi^2/\text{NDF}: 8632.2/31$

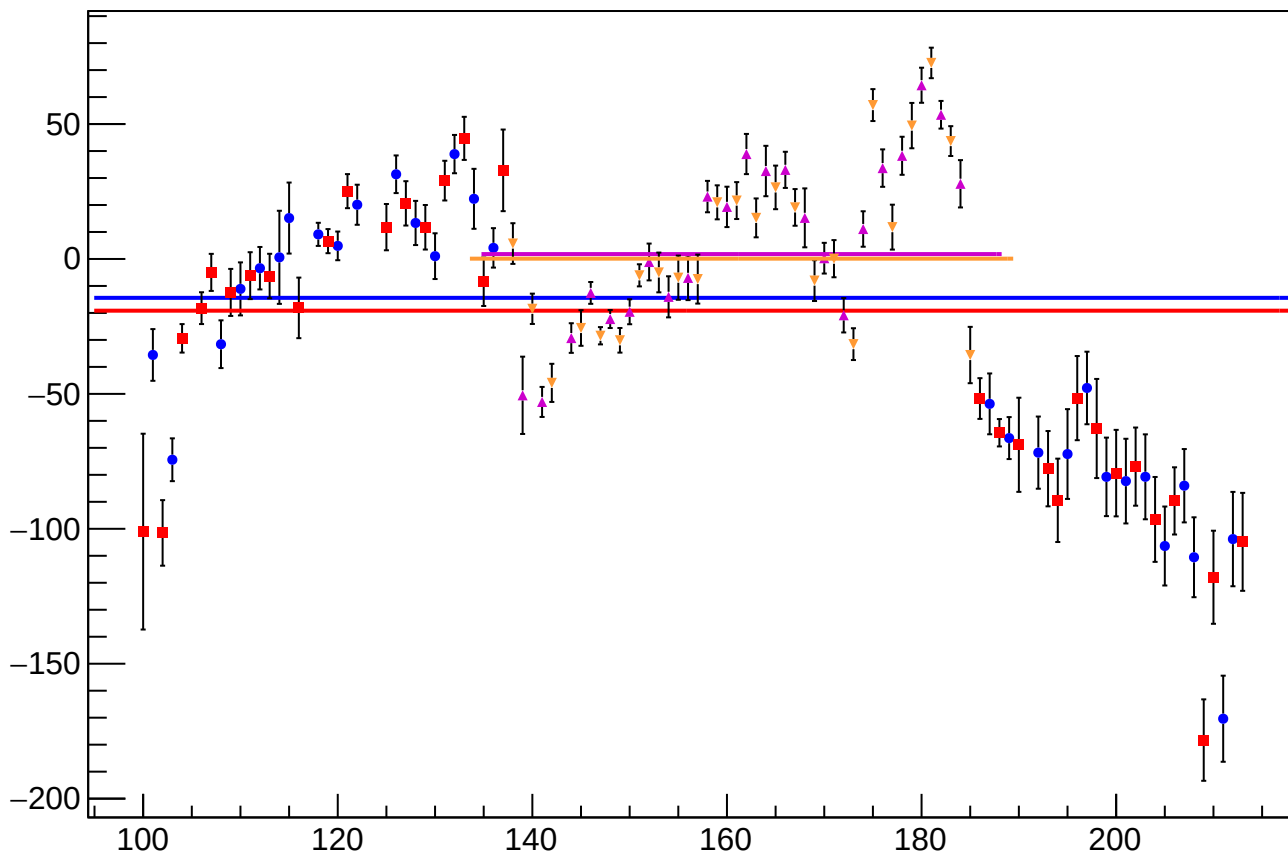
Left In: 365.362 ± 1.692 $\chi^2/\text{NDF}: 2739.5/22$

+ sign 355.211 ± 1.131 $\chi^2/\text{NDF}: 6598.1/52$

All: 357.123 ± 0.777 $\chi^2/\text{NDF}: 17999.9/107$

- sign 358.829 ± 1.069 $\chi^2/\text{NDF}: 11396.5/54$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -14.406 ± 1.683 χ^2/NDF : 650.5/28

Left Out: 0.114 ± 1.247 χ^2/NDF : 637.9/23

Right Out: -19.165 ± 1.547 χ^2/NDF : 724.6/31

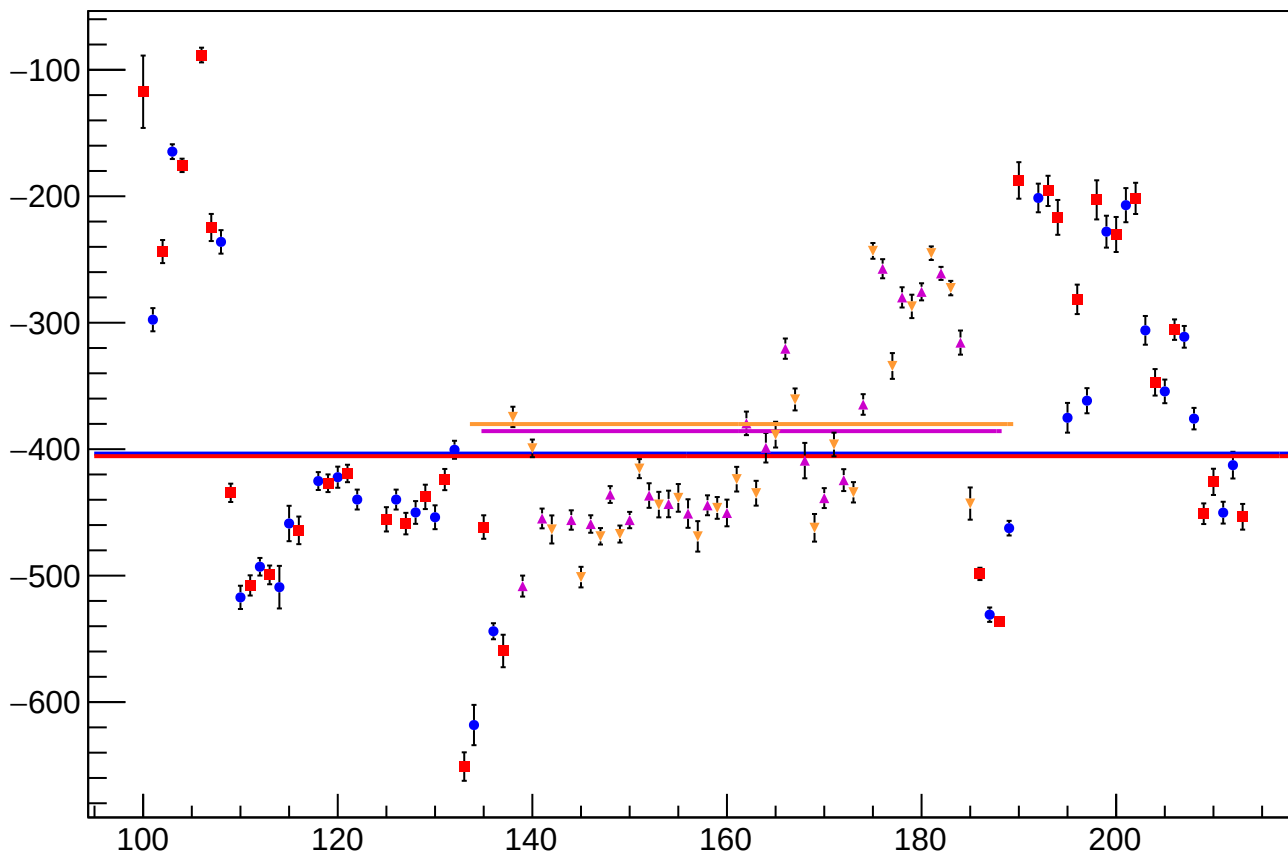
Left In: 1.812 ± 1.267 χ^2/NDF : 577.0/22

+ sign -5.032 ± 1.002 χ^2/NDF : 1336.5/52

All: -5.837 ± 0.701 χ^2/NDF : 2749.4/107

- sign -6.607 ± 0.980 χ^2/NDF : 1411.7/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -403.488+/-1.583 χ^2/NDF : 4893.1/28

Left Out: -380.144+/-1.670 χ^2/NDF : 2618.6/23

Right Out: -405.534+/-1.384 χ^2/NDF : 10714.7/31

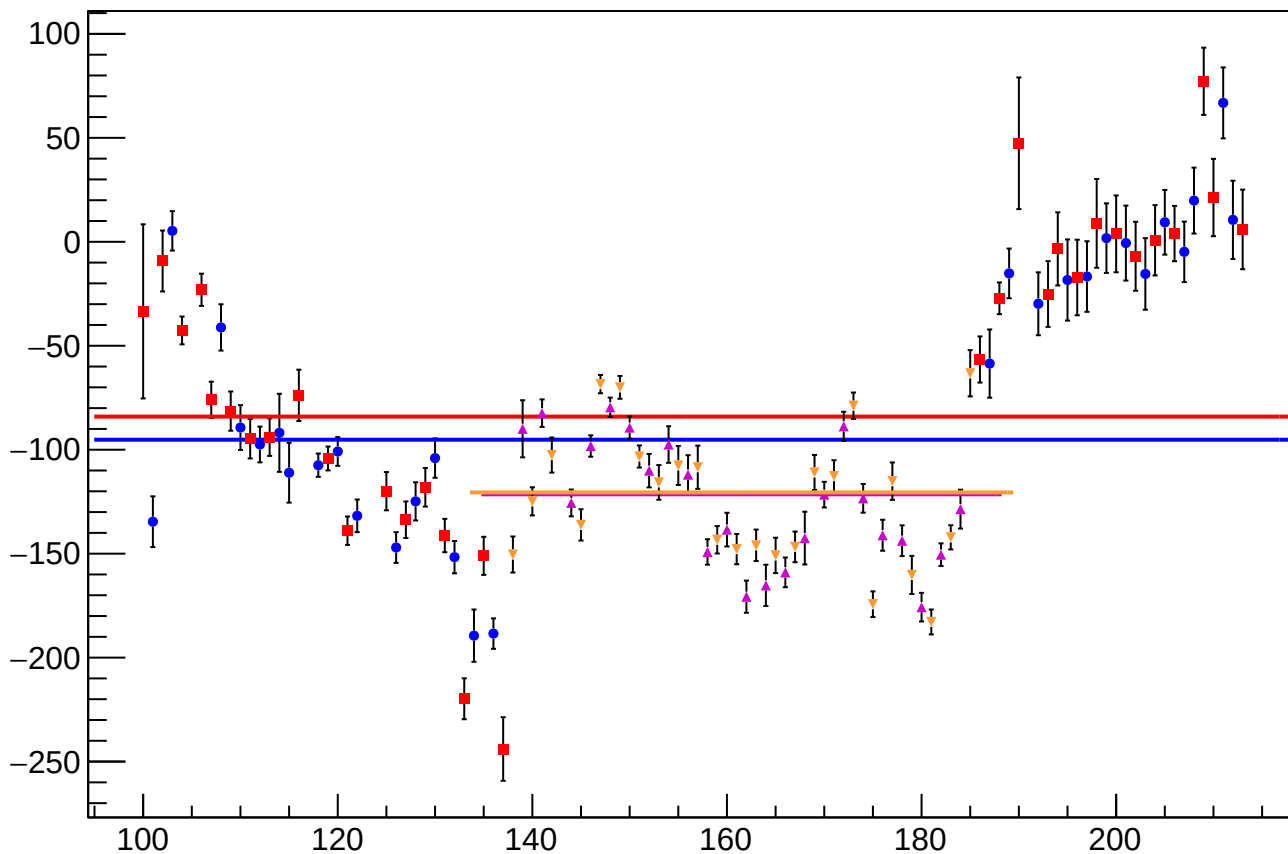
Left In: -385.725+/-1.677 χ^2/NDF : 2361.2/22

+ sign -392.437+/-1.149 χ^2/NDF : 7614.7/52

All: -395.160+/-0.782 χ^2/NDF : 20784.1/107

- sign -397.511+/-1.067 χ^2/NDF : 13158.9/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -95.180 ± 1.969 χ^2/NDF : 953.0/28

Left Out: -120.541 ± 1.435 χ^2/NDF : 611.5/23

Right Out: -84.082 ± 1.848 χ^2/NDF : 1086.5/31

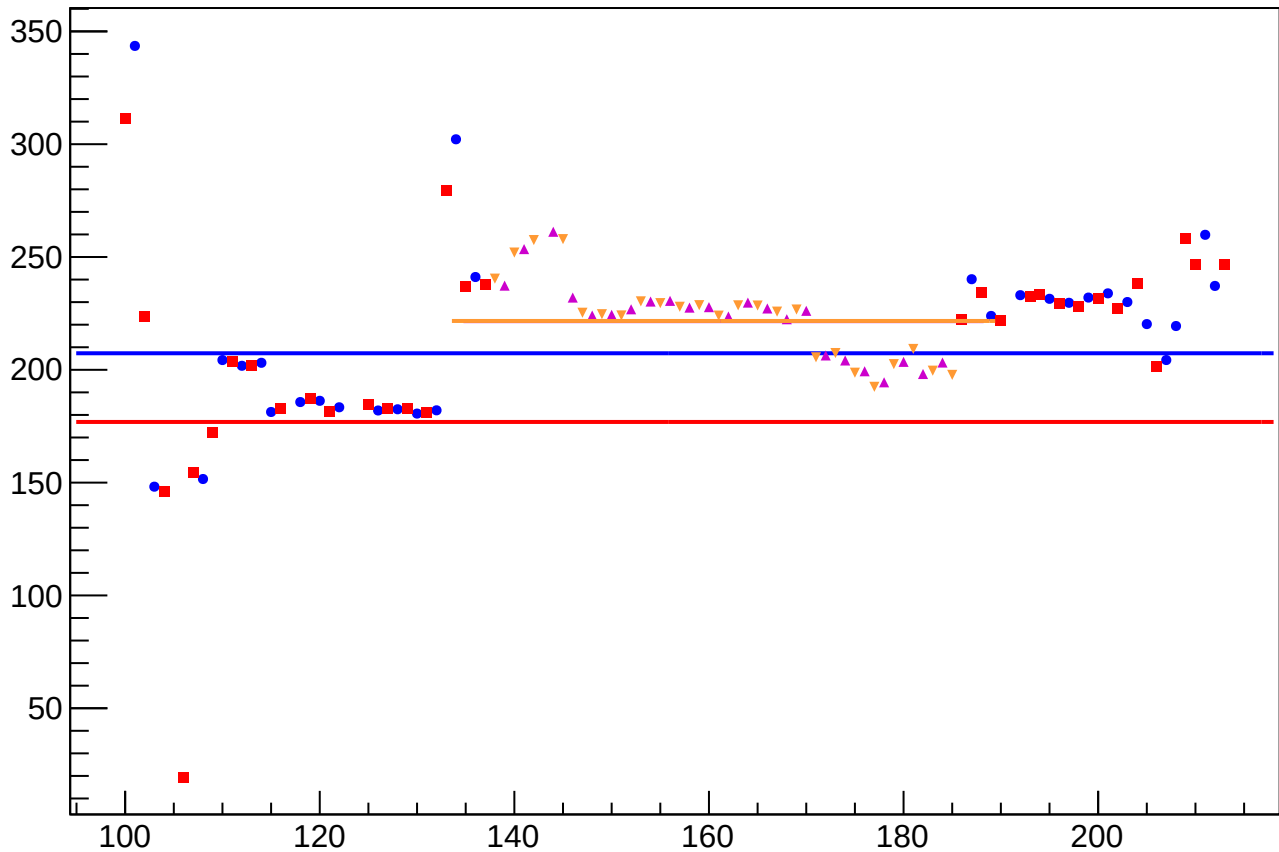
Left In: -121.453 ± 1.450 χ^2/NDF : 432.6/22

+ sign -111.740 ± 1.160 χ^2/NDF : 1672.8/52

All: -109.443 ± 0.813 χ^2/NDF : 3452.8/107

- sign -107.220 ± 1.141 χ^2/NDF : 1772.3/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 207.334 $\pm$ 0.100 χ^2 /NDF: 207299.2/28

Left Out: 221.652 $\pm$ 0.067 χ^2 /NDF: 67213.0/23

Right Out: 176.892 $\pm$ 0.090 χ^2 /NDF: 674775.5/31

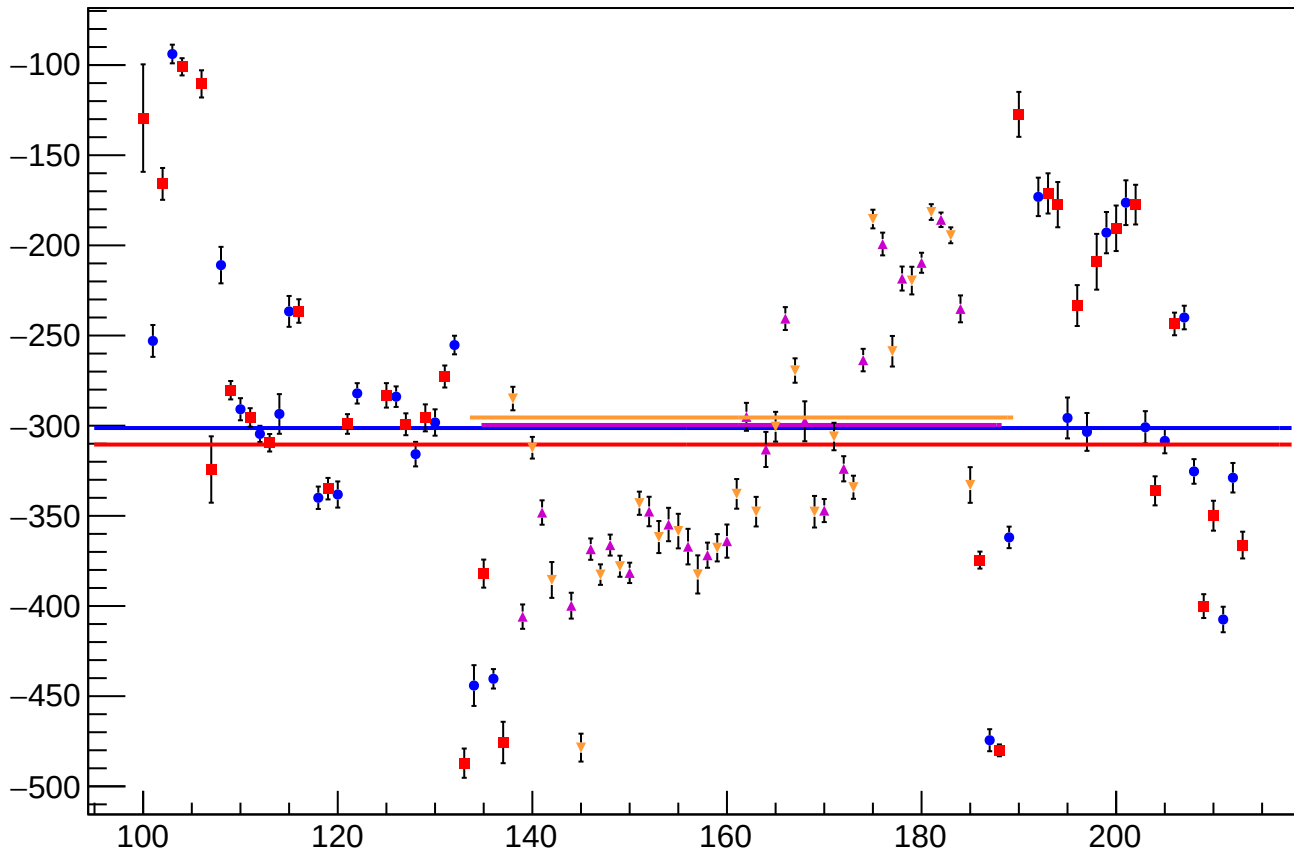
Left In: 221.574 $\pm$ 0.066 χ^2 /NDF: 62122.0/22

+ sign 217.239 $\pm$ 0.055 χ^2 /NDF: 288724.2/52

All: 211.392 $\pm$ 0.038 χ^2 /NDF: 1206094.7/107

- sign 205.969 $\pm$ 0.053 χ^2 /NDF: 895945.8/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -301.295 ± 1.298 $\chi^2/\text{NDF}: 4351.1/28$

Left Out: -295.464 ± 1.393 $\chi^2/\text{NDF}: 3346.3/23$

Right Out: -310.457 ± 1.198 $\chi^2/\text{NDF}: 8008.6/31$

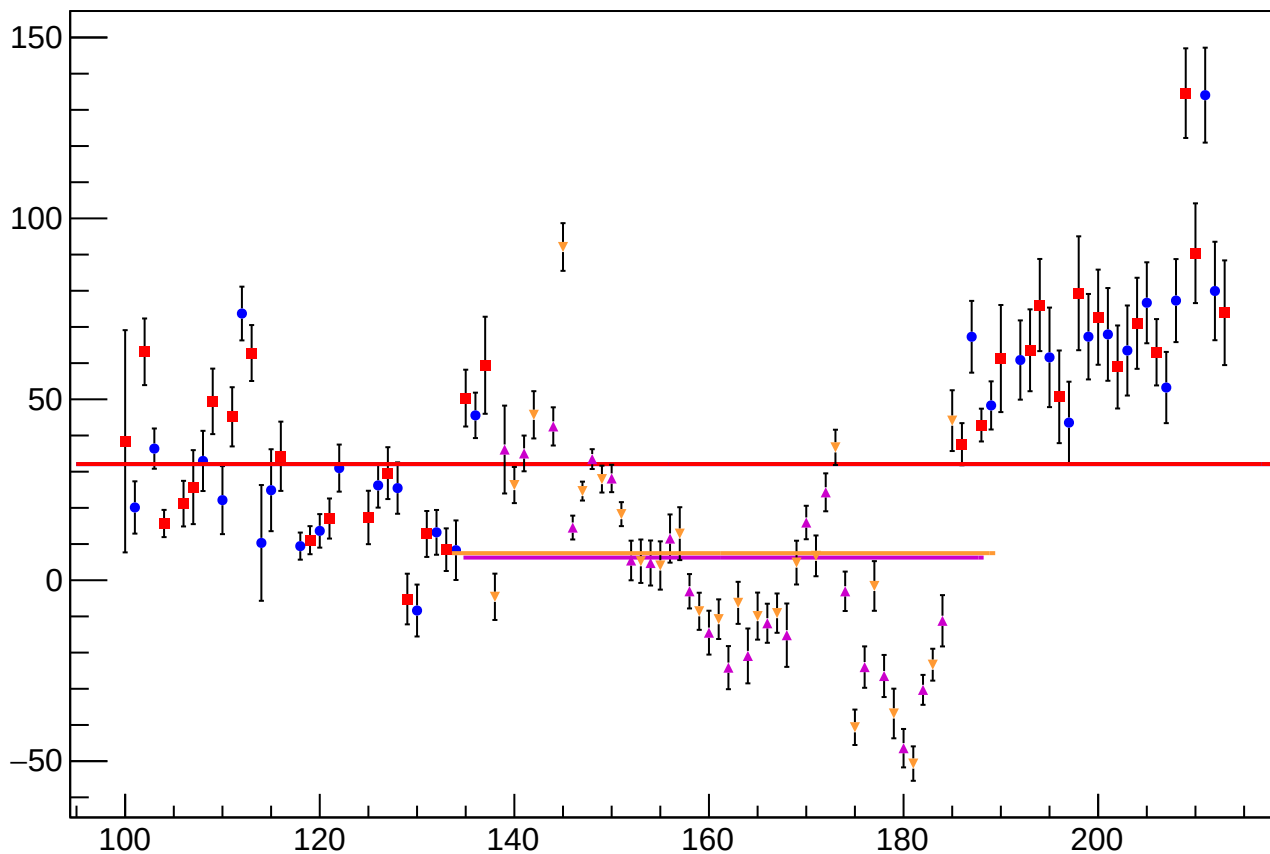
Left In: -299.588 ± 1.397 $\chi^2/\text{NDF}: 2971.7/22$

+ sign -298.584 ± 0.950 $\chi^2/\text{NDF}: 7706.8/52$

All: -302.377 ± 0.657 $\chi^2/\text{NDF}: 18752.6/107$

- sign -305.852 ± 0.909 $\chi^2/\text{NDF}: 11015.2/54$

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 32.086 $\pm$ 1.426 χ^2 /NDF: 309.4/28

Left Out: 7.486 $\pm$ 1.030 χ^2 /NDF: 738.5/23

Right Out: 32.109 $\pm$ 1.335 χ^2 /NDF: 332.0/31

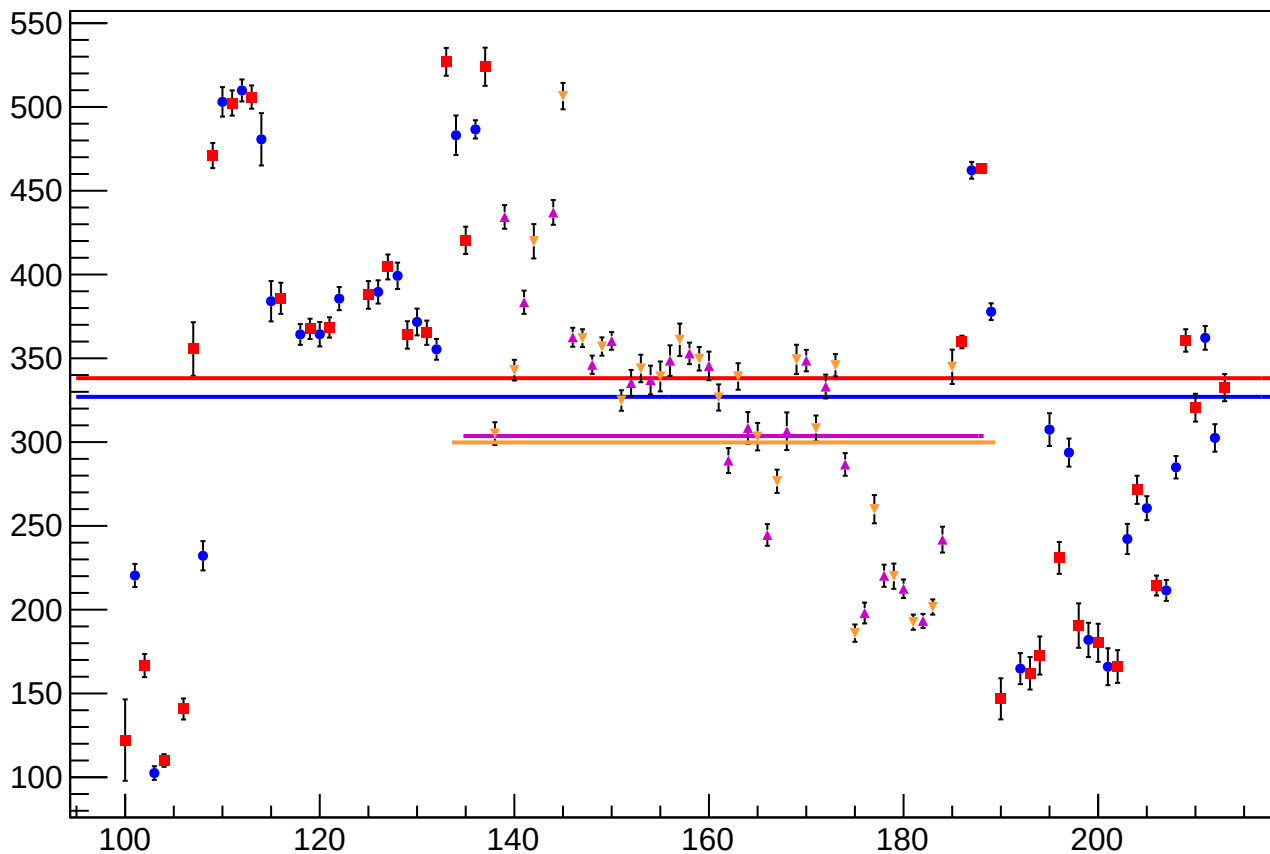
Left In: 6.259 $\pm$ 1.045 χ^2 /NDF: 559.4/22

+ sign 15.914 $\pm$ 0.835 χ^2 /NDF: 1243.5/52

All: 15.997 $\pm$ 0.586 χ^2 /NDF: 2367.4/107

- sign 16.078 $\pm$ 0.823 χ^2 /NDF: 1123.8/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 327.011 $\pm$ 1.318 χ^2 /NDF: 8248.6/28

Left Out: 299.825 $\pm$ 1.381 χ^2 /NDF:3076.1/23

Right Out: 338.144 $\pm$ 1.180 χ^2 /NDF: 12157.2/31

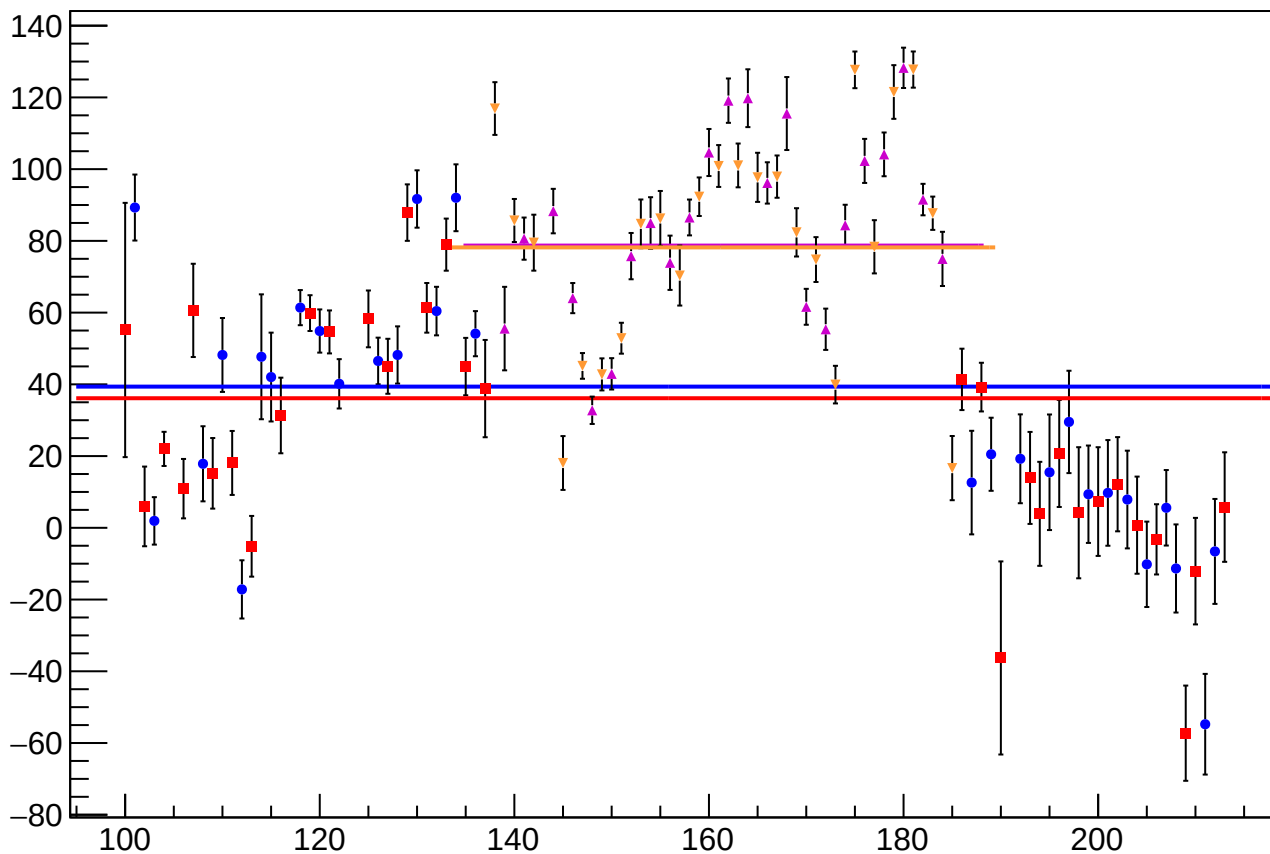
Left In: 303.652 $\pm$ 1.383 χ^2 /NDF:2872.6/22

+ sign 314.052 $\pm$ 0.953 χ^2 /NDF: 11527.5/52

All: 319.115 $\pm$ 0.654 χ^2 /NDF: 26970.5/107

- sign 323.603 $\pm$ 0.898 χ^2 /NDF: 15389.8/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 39.367 $\pm$ 1.667 χ^2 /NDF: 360.4/28

Left Out: 78.181 $\pm$ 1.185 χ^2 /NDF: 663.3/23

Right Out: 36.128 $\pm$ 1.595 χ^2 /NDF: 309.5/31

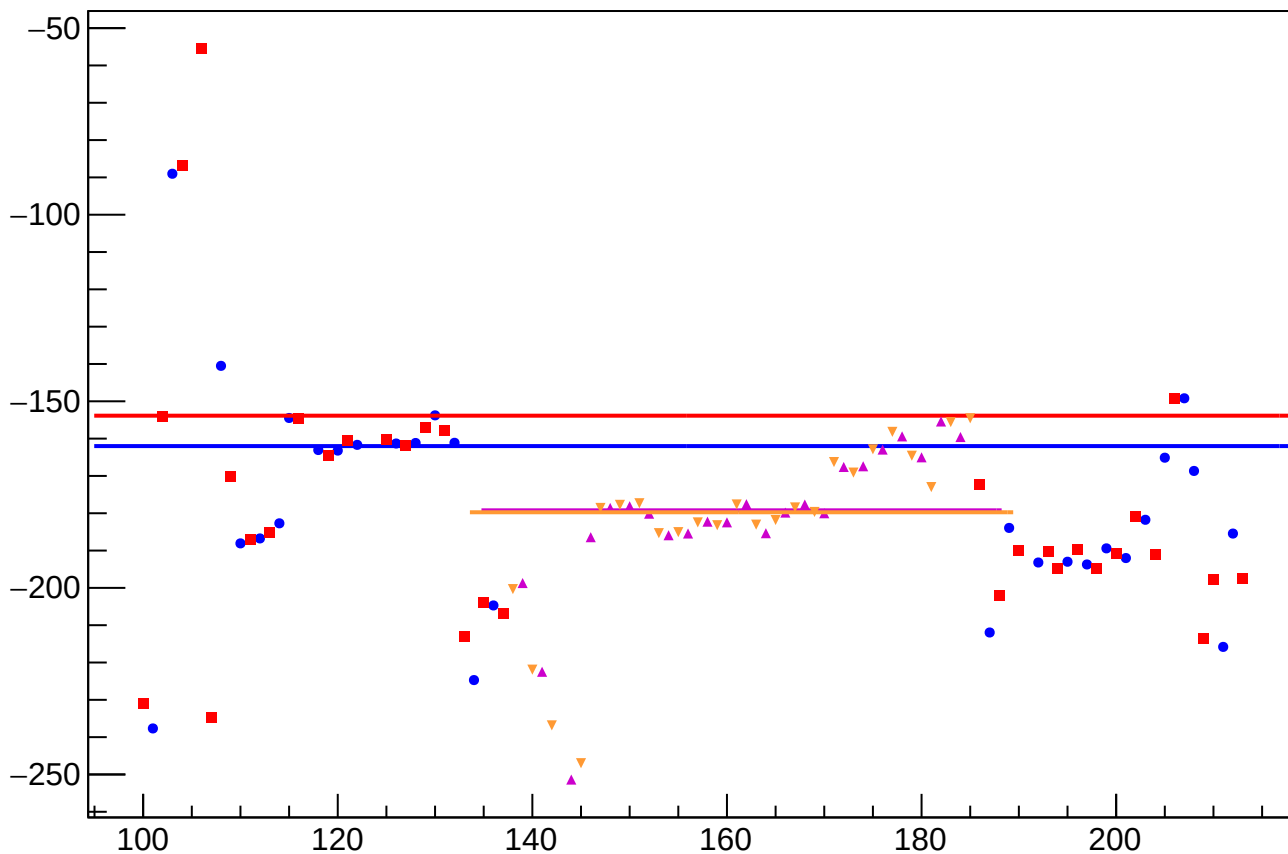
Left In: 78.689 $\pm$ 1.195 χ^2 /NDF: 488.6/22

+ sign 65.159 $\pm$ 0.966 χ^2 /NDF: 1383.9/52

All: 64.267 $\pm$ 0.679 χ^2 /NDF: 2639.7/107

- sign 63.393 $\pm$ 0.956 χ^2 /NDF: 1254.1/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -162.003 $\pm$ 0.080 χ^2 /NDF: 312910.6/28

Left Out: -179.738 $\pm$ 0.055 χ^2 /NDF:132199.5/23

Right Out: -153.855 $\pm$ 0.077 χ^2 /NDF: 435623.4/31

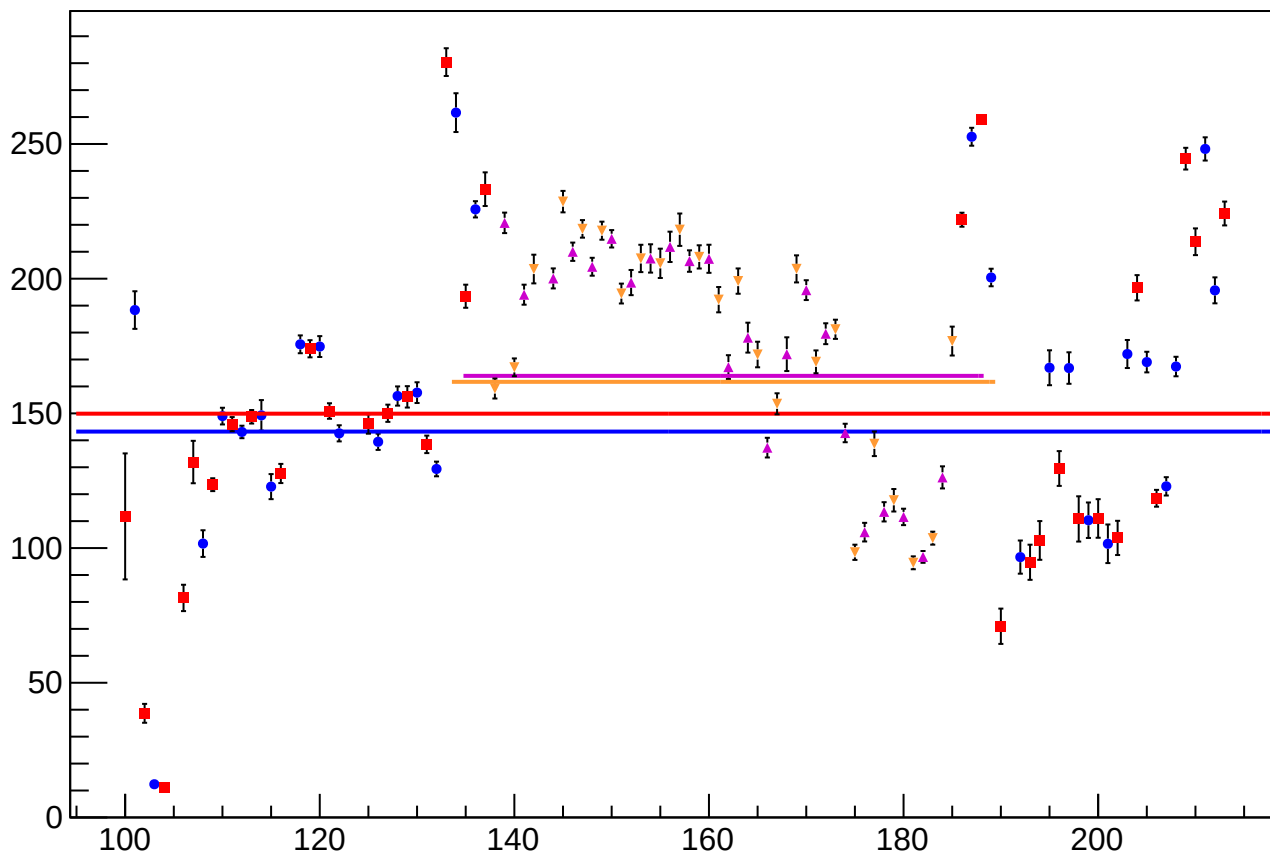
Left In: -179.219 $\pm$ 0.055 χ^2 /NDF:113522.5/22

+ sign -174.092 $\pm$ 0.045 χ^2 /NDF: 478213.2/52

All: -172.417 $\pm$ 0.032 χ^2 /NDF: 1101851.0/10

- sign -170.804 $\pm$ 0.045 χ^2 /NDF: 620966.5/54

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 143.243 $\pm$ 0.675 χ^2 /NDF: 8963.6/28

Left Out: 161.708 $\pm$ 0.776 χ^2 /NDF: 3587.3/23

Right Out: 149.889 $\pm$ 0.622 χ^2 /NDF: 14348.6/31

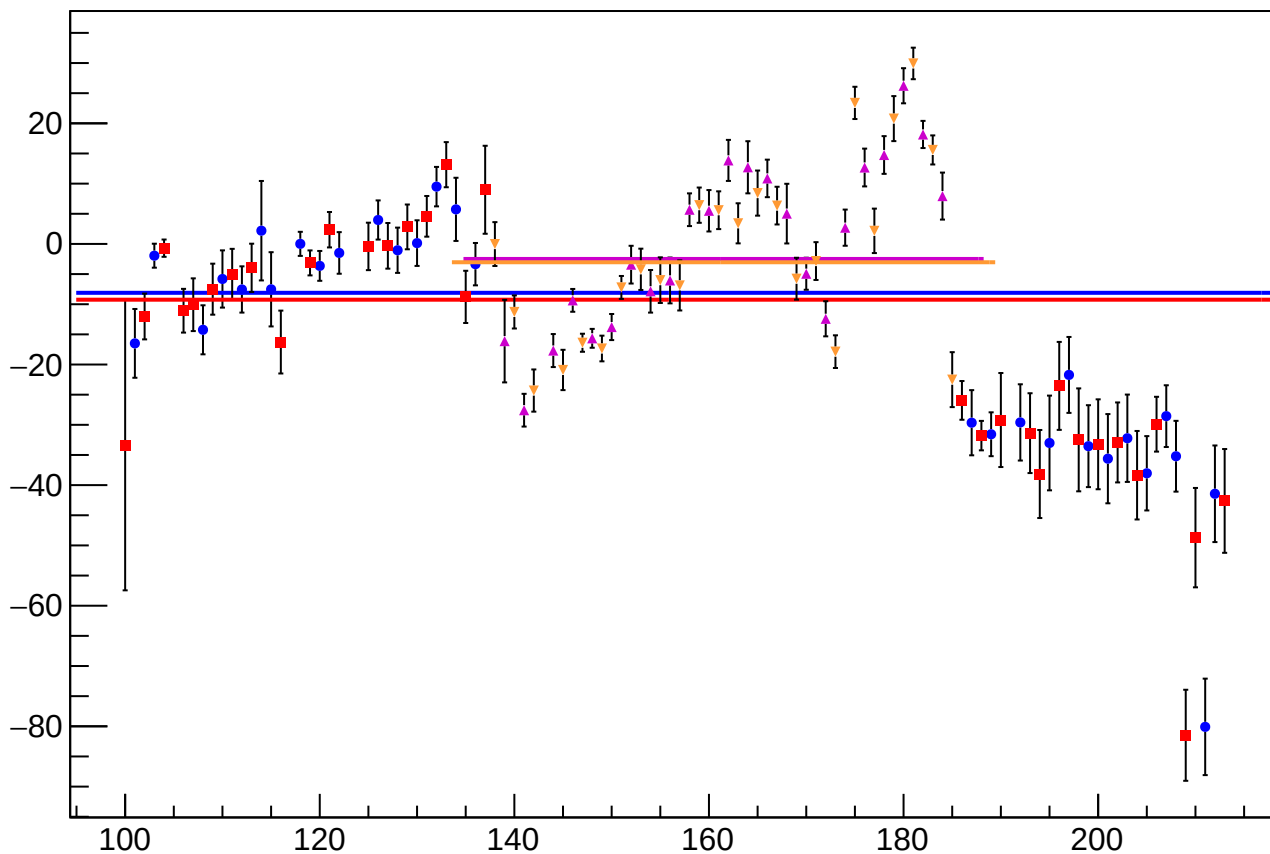
Left In: 163.927 $\pm$ 0.779 χ^2 /NDF: 3335.5/22

+ sign 151.199 $\pm$ 0.509 χ^2 /NDF: 12873.0/52

All: 153.371 $\pm$ 0.352 χ^2 /NDF: 30790.3/107

- sign 155.347 $\pm$ 0.486 χ^2 /NDF: 17882.5/54

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -8.106 ± 0.745 $\chi^2/\text{NDF}: 381.1/28$

Left Out: -3.038 ± 0.578 $\chi^2/\text{NDF}: 654.5/23$

Right Out: -9.248 ± 0.675 $\chi^2/\text{NDF}: 492.4/31$

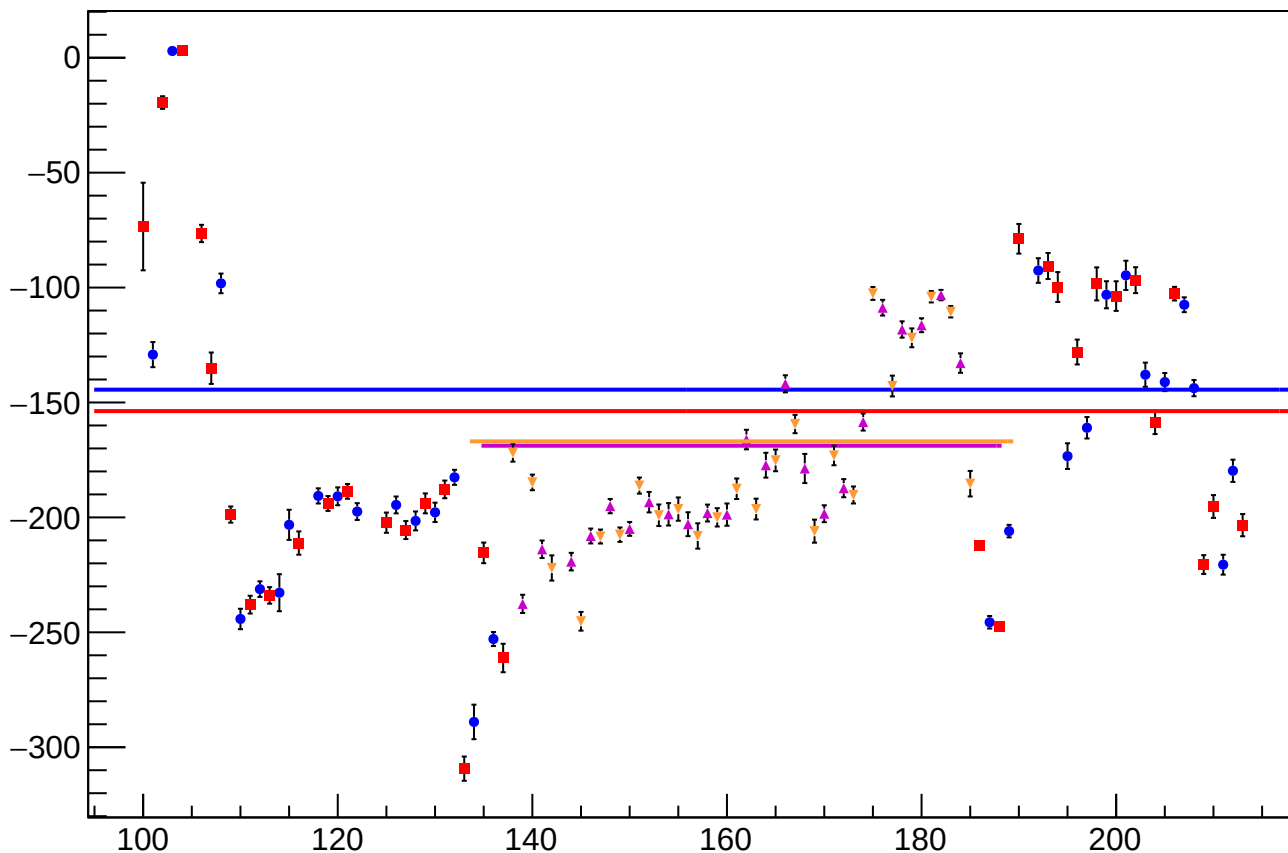
Left In: -2.492 ± 0.587 $\chi^2/\text{NDF}: 562.9/22$

+ sign -4.944 ± 0.457 $\chi^2/\text{NDF}: 1064.4/52$

All: -5.179 ± 0.318 $\chi^2/\text{NDF}: 2177.3/107$

- sign -5.400 ± 0.443 $\chi^2/\text{NDF}: 1112.3/54$

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -144.420 ± 0.674 χ^2/NDF : 17619.5/28

Left Out: -166.912 ± 0.771 χ^2/NDF : 3096.2/23

Right Out: -153.748 ± 0.605 χ^2/NDF : 24489.2/31

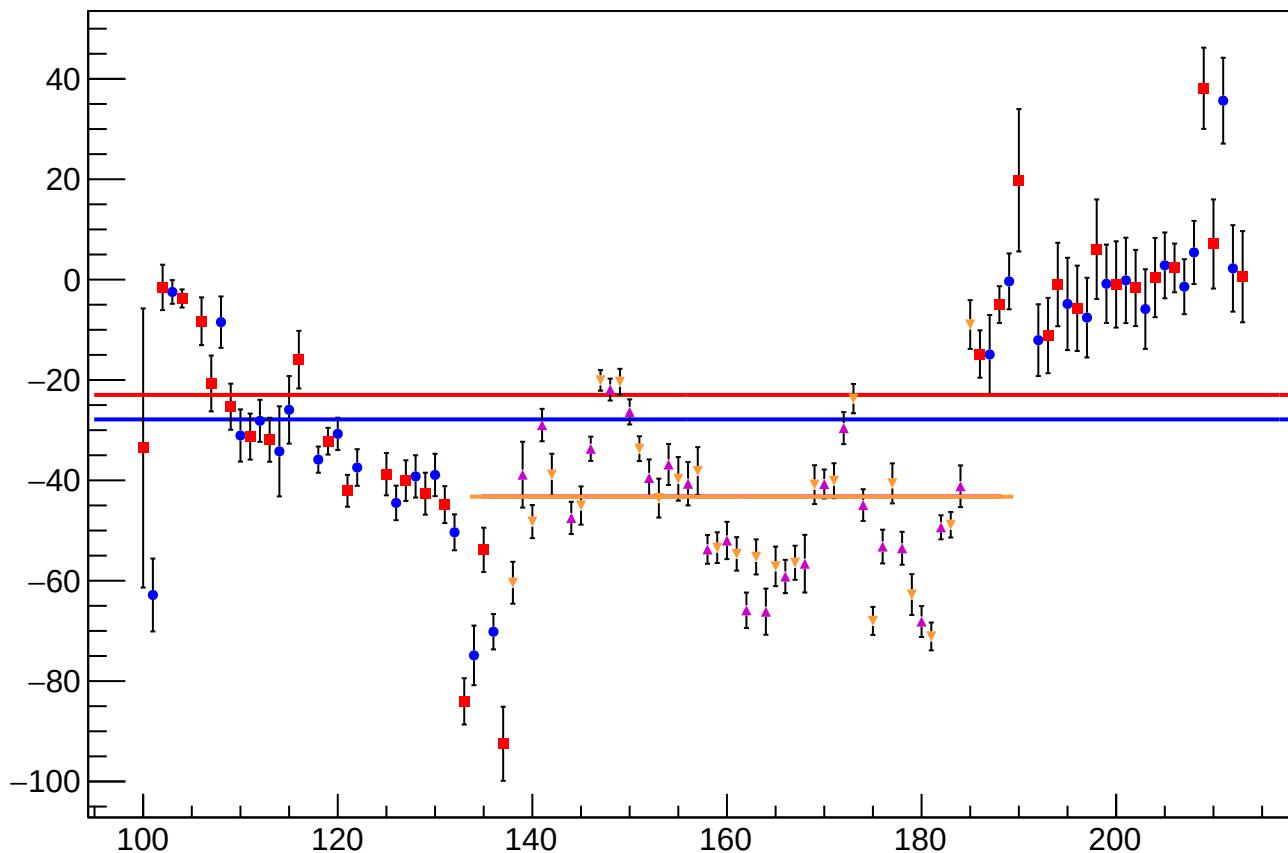
Left In: -168.810 ± 0.772 χ^2/NDF : 3059.5/22

+ sign -154.160 ± 0.507 χ^2/NDF : 21198.4/52

All: -156.985 ± 0.347 χ^2/NDF : 49041.1/107

- sign -159.474 ± 0.476 χ^2/NDF : 27784.4/54

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -27.853 ± 0.871 χ^2/NDF : 671.2/28

Left Out: -43.251 ± 0.664 χ^2/NDF : 610.2/23

Right Out: -22.976 ± 0.809 χ^2/NDF : 789.1/31

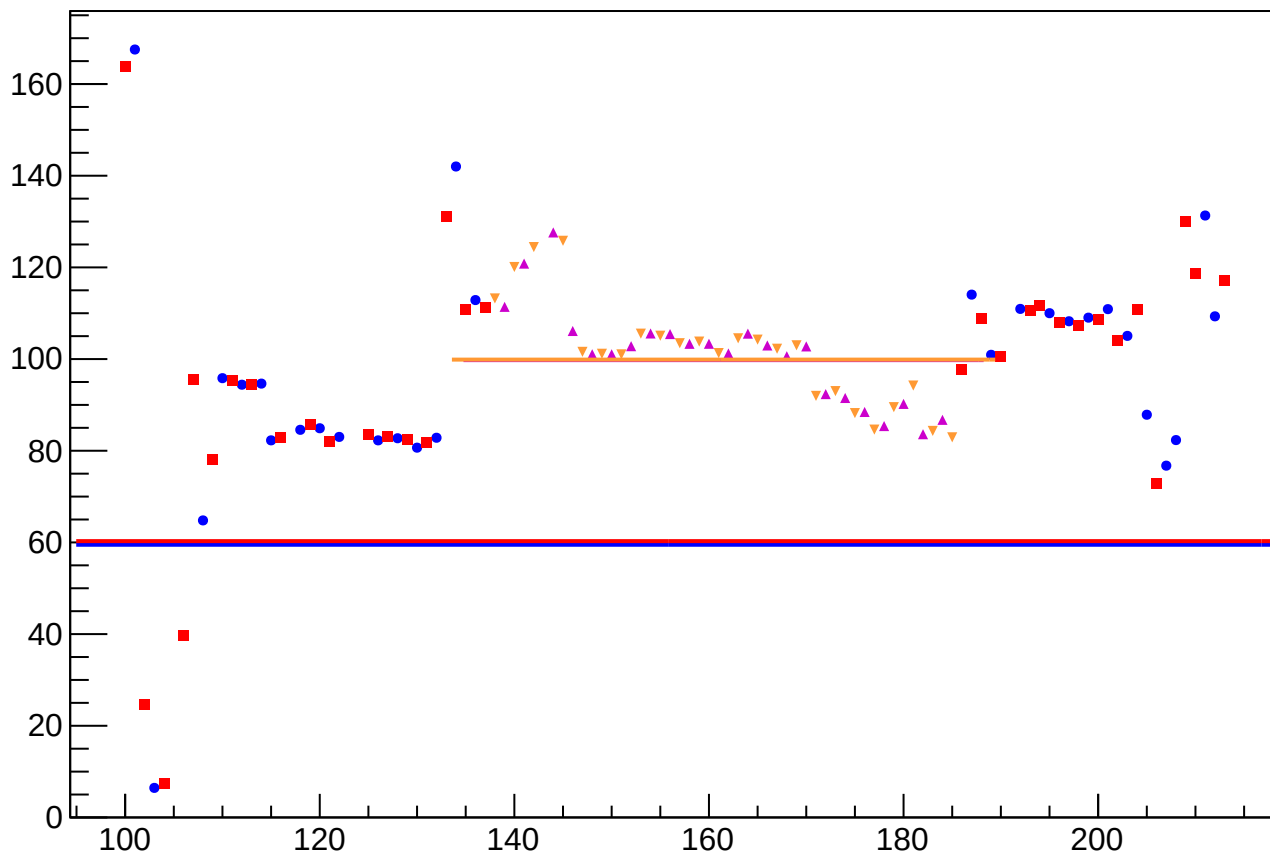
Left In: -43.207 ± 0.670 χ^2/NDF : 405.8/22

+ sign -37.590 ± 0.528 χ^2/NDF : 1479.1/52

All: -36.256 ± 0.369 χ^2/NDF : 3057.1/107

- sign -34.982 ± 0.516 χ^2/NDF : 1565.6/54

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 59.493+/-0.038 χ^2/NDF : 1550739.1/28

Left Out: 99.881+/-0.031 χ^2/NDF :123588.1/23

Right Out: 60.284+/-0.038 χ^2/NDF : 1361331.4/31

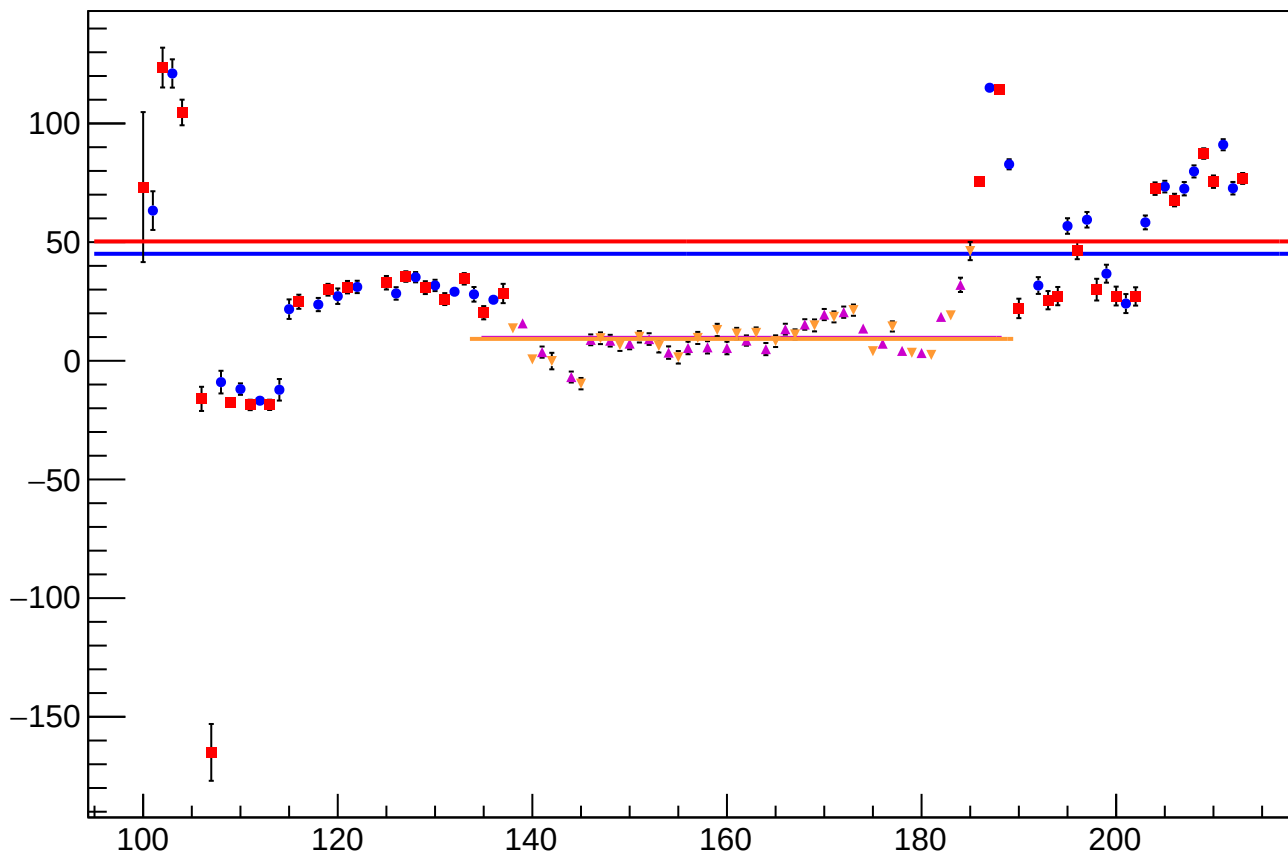
Left In: 99.769+/-0.031 χ^2/NDF :113501.0/22

+ sign 84.133+/-0.024 χ^2/NDF : 2346231.1/52

All: 84.229+/-0.017 χ^2/NDF : 4474471.7/107

- sign 84.323+/-0.024 χ^2/NDF : 2128208.9/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 45.084 $\pm$ 0.508 χ^2 /NDF: 4930.0/28

Left Out: 9.228 $\pm$ 0.456 χ^2 /NDF:327.5/23

Right Out: 50.297 $\pm$ 0.460 χ^2 /NDF: 8573.6/31

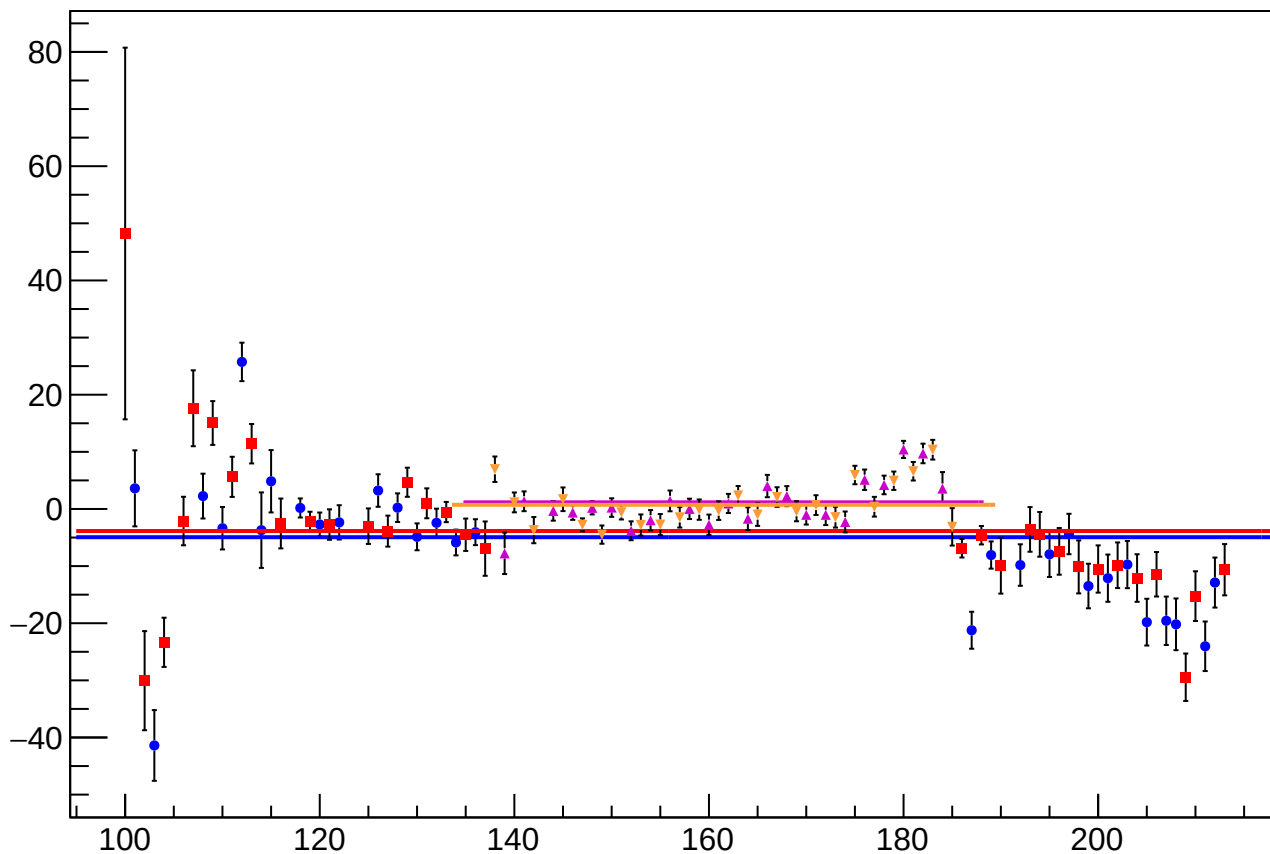
Left In: 9.676 $\pm$ 0.462 χ^2 /NDF:246.7/22

+ sign 25.253 $\pm$ 0.339 χ^2 /NDF: 8015.6/52

All: 27.775 $\pm$ 0.235 χ^2 /NDF: 20823.0/107

- sign 30.101 $\pm$ 0.326 χ^2 /NDF: 12701.2/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -4.942 ± 0.578 χ^2/NDF : 249.0/28

Left Out: 0.730 ± 0.350 χ^2/NDF : 109.7/23

Right Out: -3.856 ± 0.541 χ^2/NDF : 181.6/31

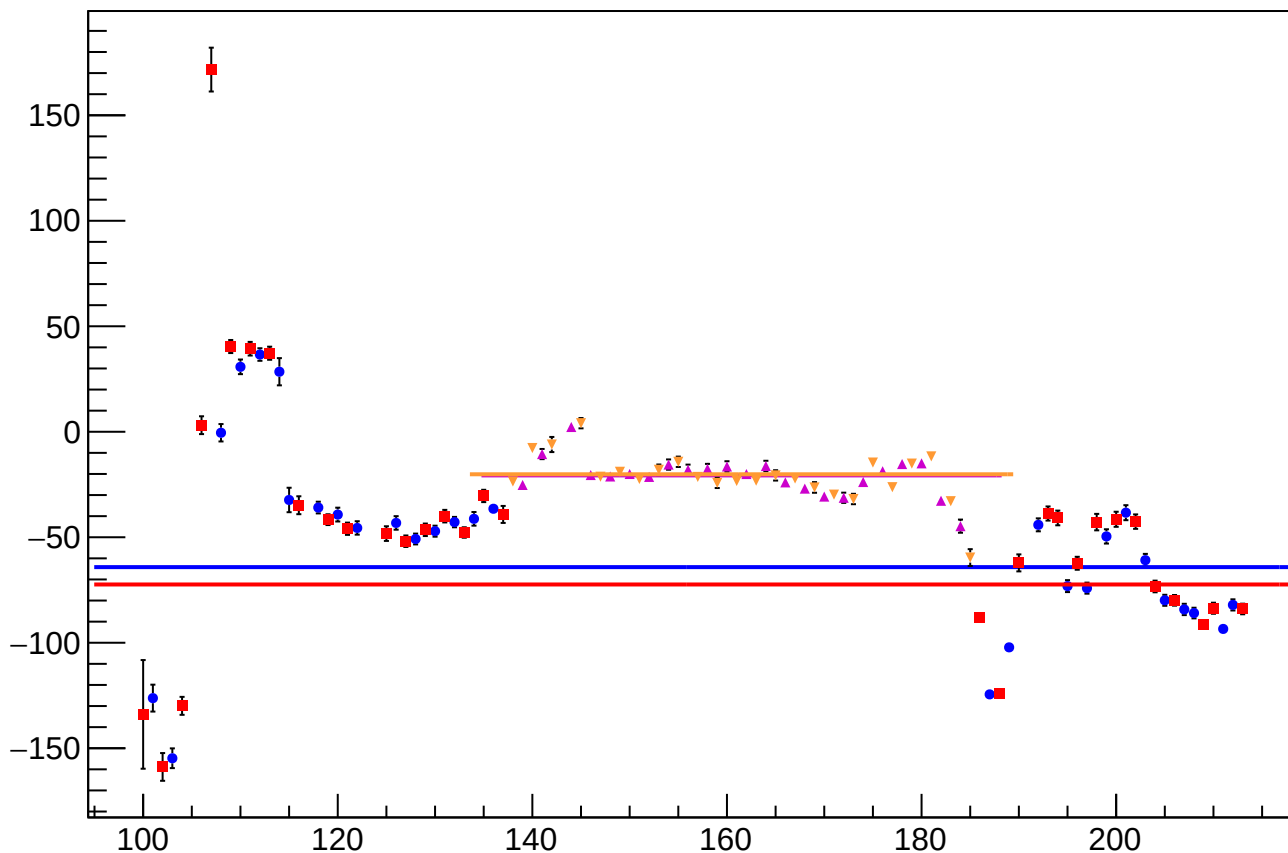
Left In: 1.156 ± 0.358 χ^2/NDF : 110.4/22

+ sign -0.787 ± 0.299 χ^2/NDF : 429.2/52

All: -0.576 ± 0.211 χ^2/NDF : 781.9/107

- sign -0.366 ± 0.298 χ^2/NDF : 351.7/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -64.155+/-0.518 χ^2/NDF : 5802.9/28

Left Out: -20.151+/-0.452 χ^2/NDF : 420.3/23

Right Out: -72.383+/-0.449 χ^2/NDF : 9781.7/31

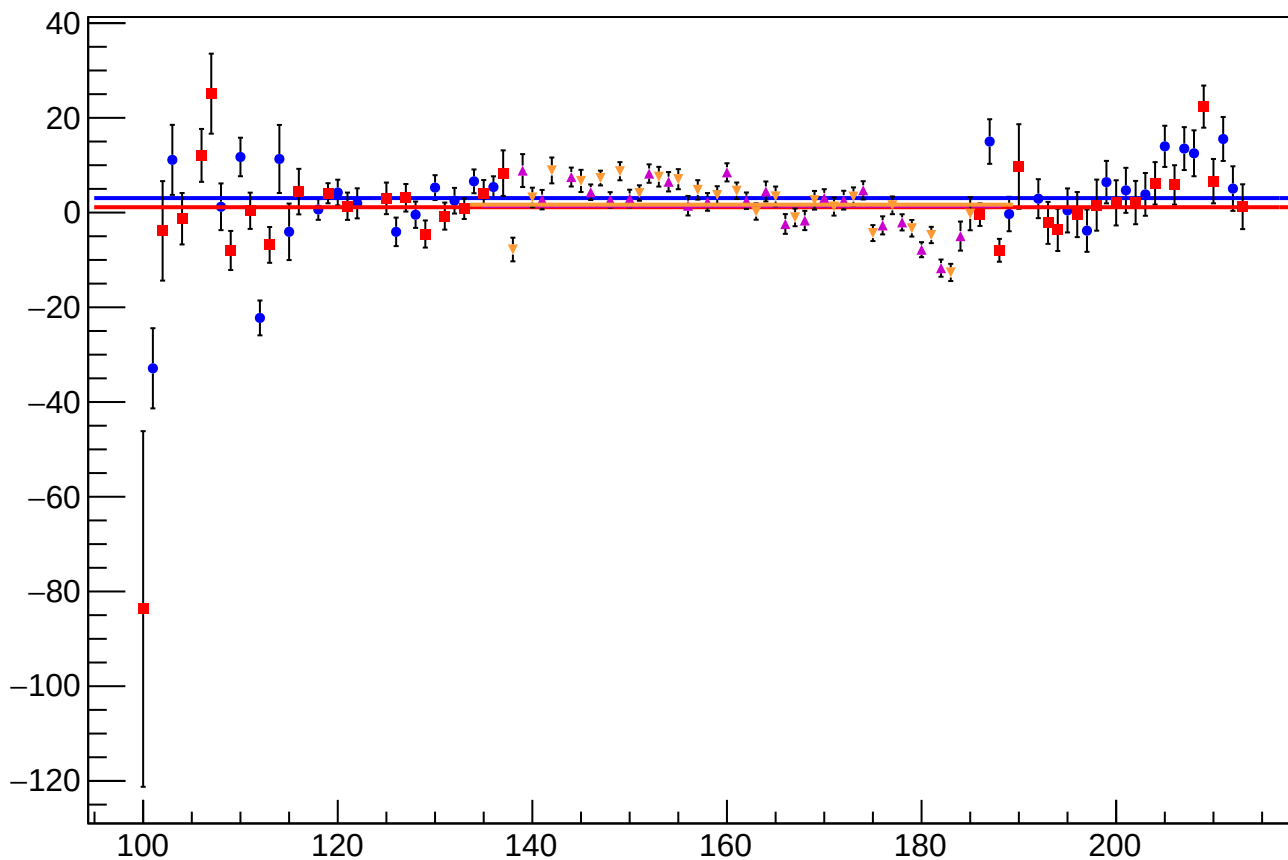
Left In: -20.683+/-0.458 χ^2/NDF : 310.5/22

+ sign -39.211+/-0.341 χ^2/NDF : 10320.6/52

All: -43.354+/-0.233 χ^2/NDF : 27194.3/107

- sign -47.023+/-0.321 χ^2/NDF : 16594.8/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 3.059 ± 0.670 χ^2/NDF : 120.1/28

Left Out: 1.671 ± 0.395 χ^2/NDF : 178.0/23

Right Out: 1.131 ± 0.648 χ^2/NDF : 81.8/31

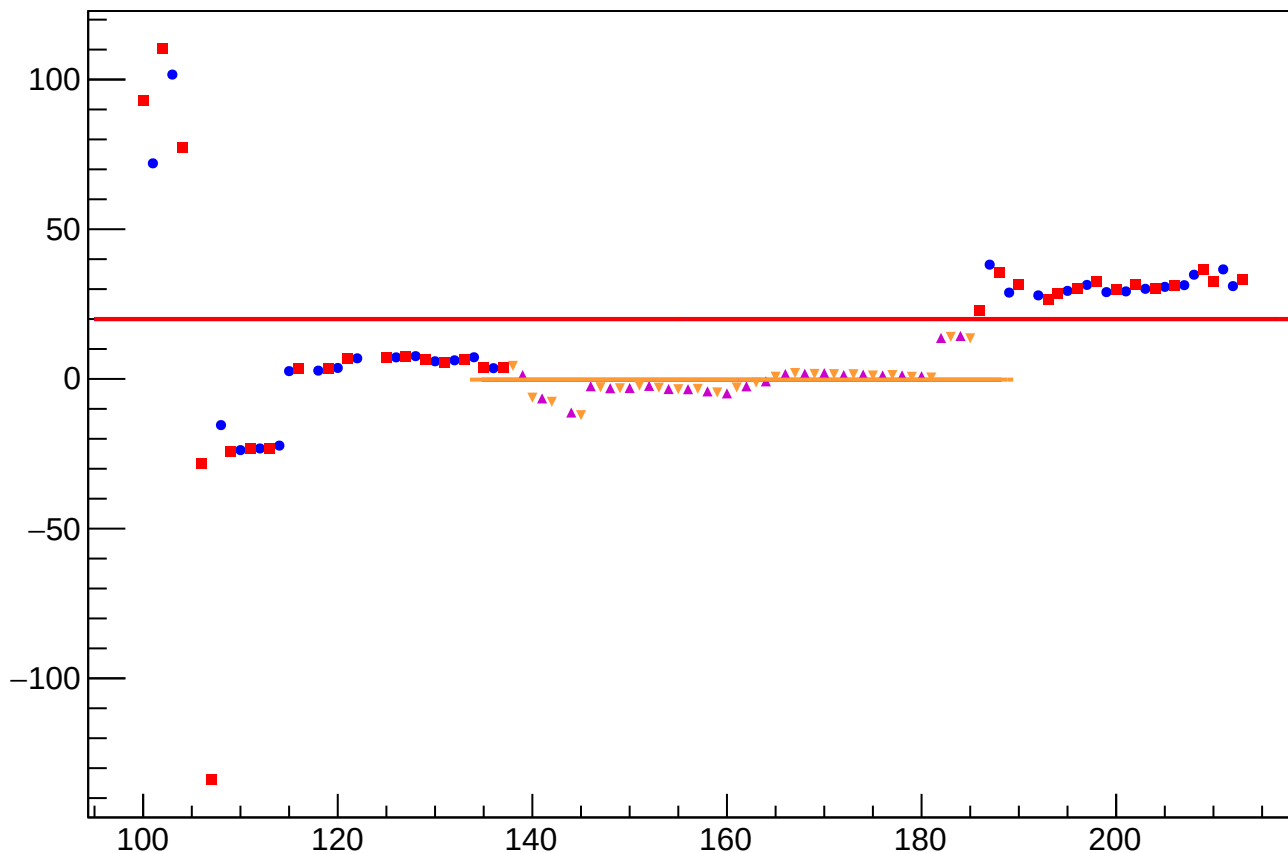
Left In: 1.428 ± 0.403 χ^2/NDF : 162.8/22

+ sign 2.029 ± 0.340 χ^2/NDF : 301.2/52

All: 1.689 ± 0.241 χ^2/NDF : 547.9/107

- sign 1.345 ± 0.342 χ^2/NDF : 244.7/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 19.950 $\pm$ 0.033 χ^2 /NDF: 429087.4/28

Left Out: -0.229 $\pm$ 0.018 χ^2 /NDF: 80976.2/23

Right Out: 20.038 $\pm$ 0.033 χ^2 /NDF: 602528.9/31

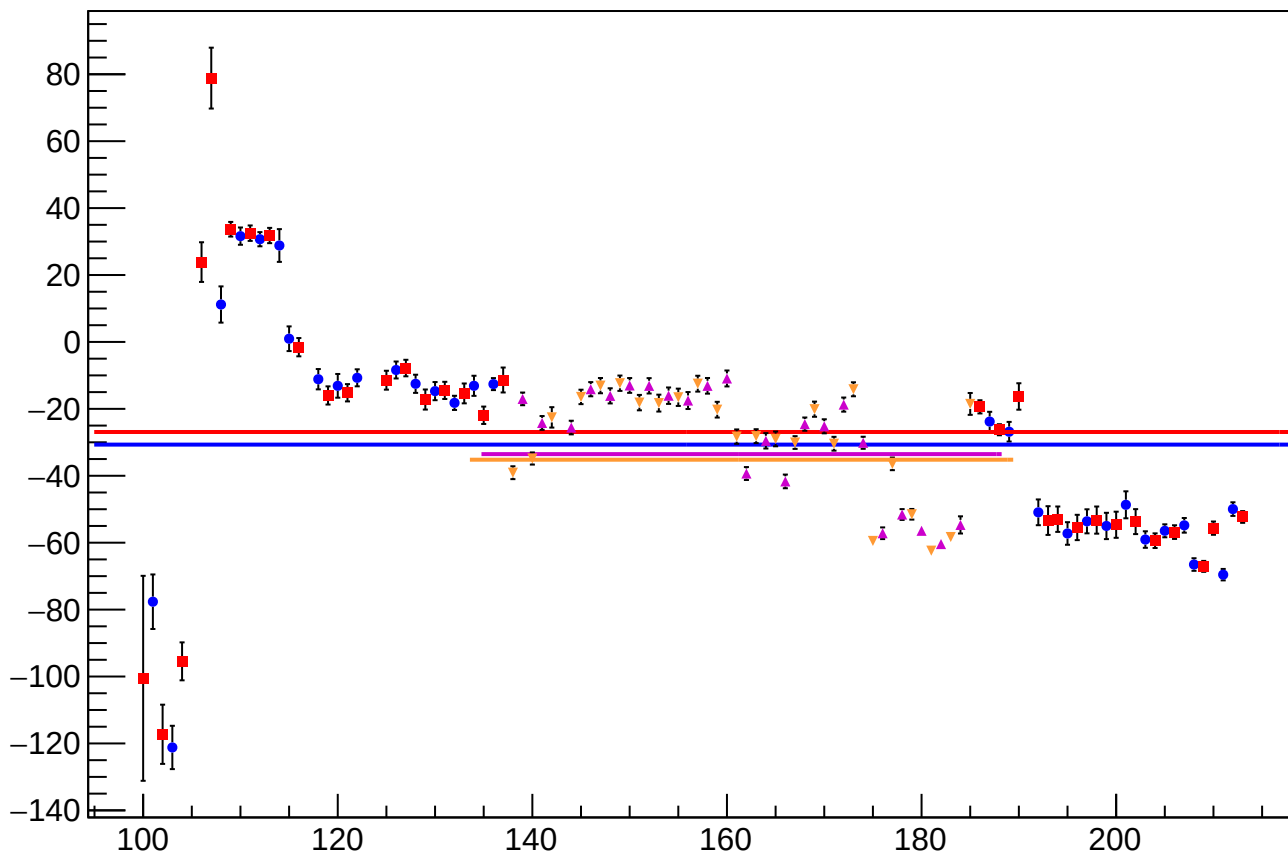
Left In: -0.270 $\pm$ 0.018 χ^2 /NDF: 72783.3/22

+ sign 4.207 $\pm$ 0.016 χ^2 /NDF: 797845.9/52

All: 4.247 $\pm$ 0.011 χ^2 /NDF: 1767307.9/107

- sign 4.287 $\pm$ 0.016 χ^2 /NDF: 969448.9/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -30.688 ± 0.496 χ^2/NDF : 3979.5/28

Left Out: -35.201 ± 0.408 χ^2/NDF : 1850.7/23

Right Out: -26.916 ± 0.474 χ^2/NDF : 4603.5/31

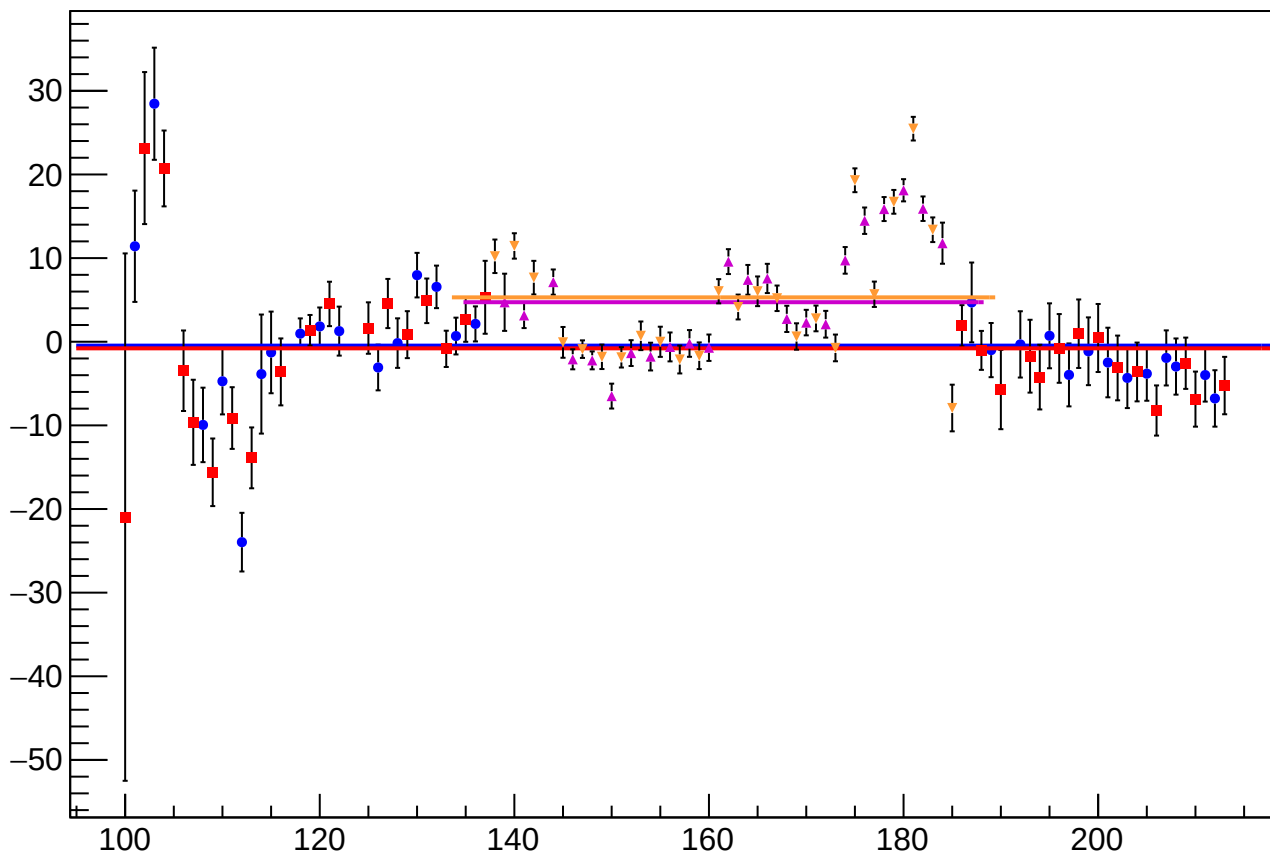
Left In: -33.528 ± 0.414 χ^2/NDF : 1806.1/22

+ sign -33.377 ± 0.315 χ^2/NDF : 5879.7/52

All: -32.006 ± 0.222 χ^2/NDF : 12437.3/107

- sign -30.666 ± 0.312 χ^2/NDF : 6520.2/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.465 ± 0.588 χ^2/NDF : 105.2/28

Left Out: 5.307 ± 0.315 χ^2/NDF : 624.4/23

Right Out: -0.790 ± 0.578 χ^2/NDF : 99.0/31

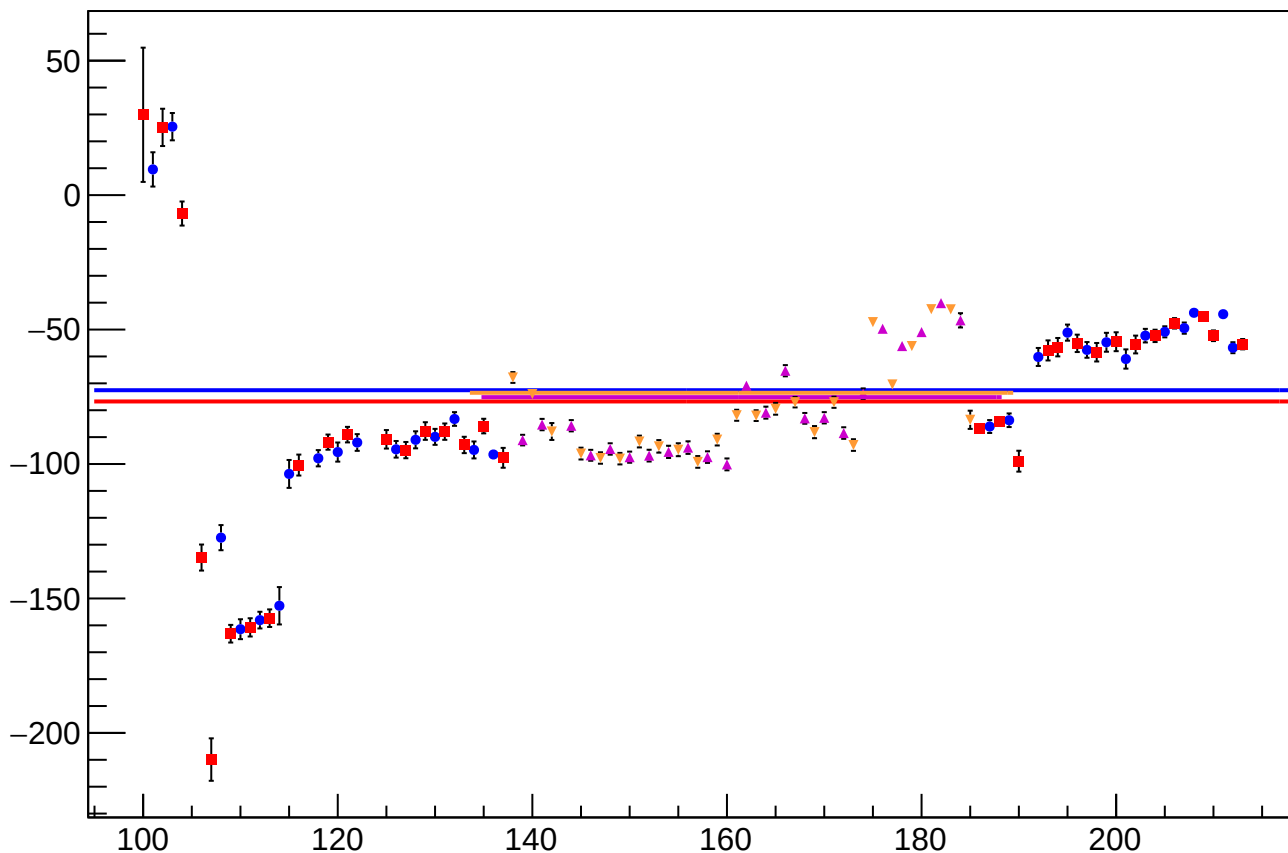
Left In: 4.727 ± 0.321 χ^2/NDF : 496.0/22

+ sign 4.021 ± 0.278 χ^2/NDF : 804.4/52

All: 3.727 ± 0.197 χ^2/NDF : 1471.2/107

- sign 3.427 ± 0.281 χ^2/NDF : 664.5/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -72.554 ± 0.512 χ^2/NDF : 3739.7/28

Left Out: -73.506 ± 0.405 χ^2/NDF : 2392.0/23

Right Out: -76.737 ± 0.482 χ^2/NDF : 4347.8/31

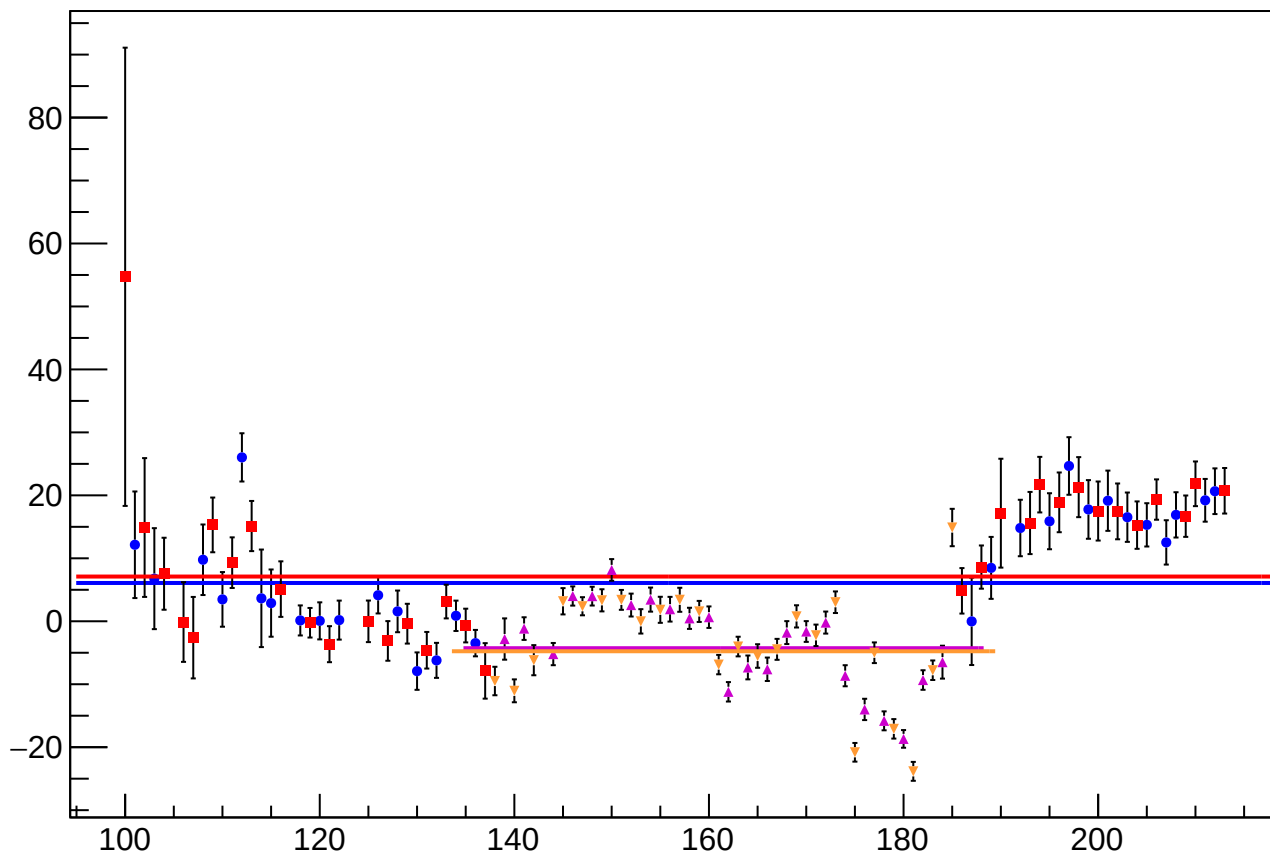
Left In: -75.133 ± 0.410 χ^2/NDF : 2361.9/22

+ sign -73.139 ± 0.318 χ^2/NDF : 6133.8/52

All: -74.497 ± 0.223 χ^2/NDF : 12885.7/107

- sign -75.806 ± 0.312 χ^2/NDF : 6716.1/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 6.083 ± 0.666 χ^2/NDF : 210.1/28

Left Out: -4.762 ± 0.355 χ^2/NDF : 576.9/23

Right Out: 7.104 ± 0.669 χ^2/NDF : 197.5/31

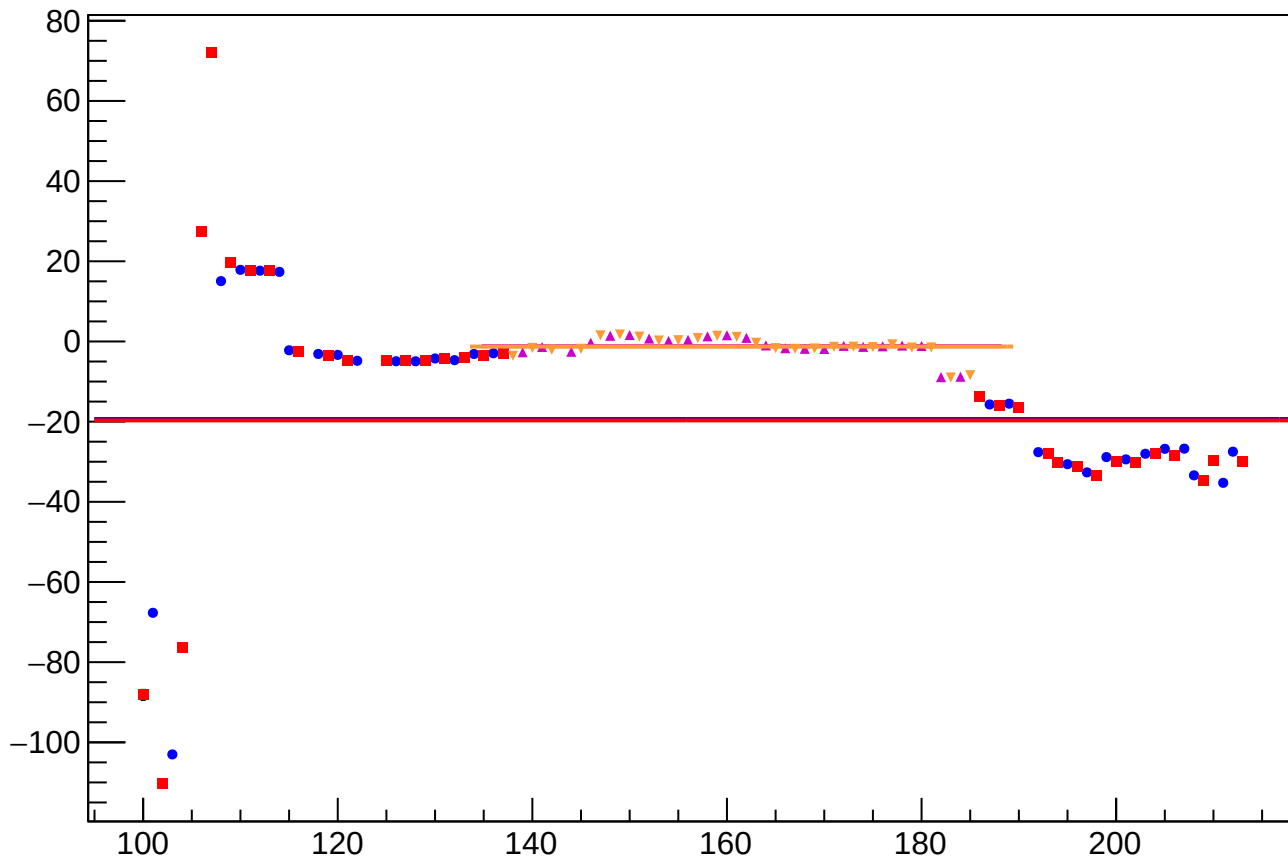
Left In: -4.278 ± 0.361 χ^2/NDF : 424.1/22

+ sign -2.366 ± 0.313 χ^2/NDF : 993.5/52

All: -2.045 ± 0.223 χ^2/NDF : 1841.2/107

- sign -1.714 ± 0.318 χ^2/NDF : 845.6/54

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -19.352 ± 0.032 χ^2/NDF : 390571.5/28

Left Out: -1.267 ± 0.016 χ^2/NDF : 25091.1/23

Right Out: -19.688 ± 0.032 χ^2/NDF : 481096.1/31

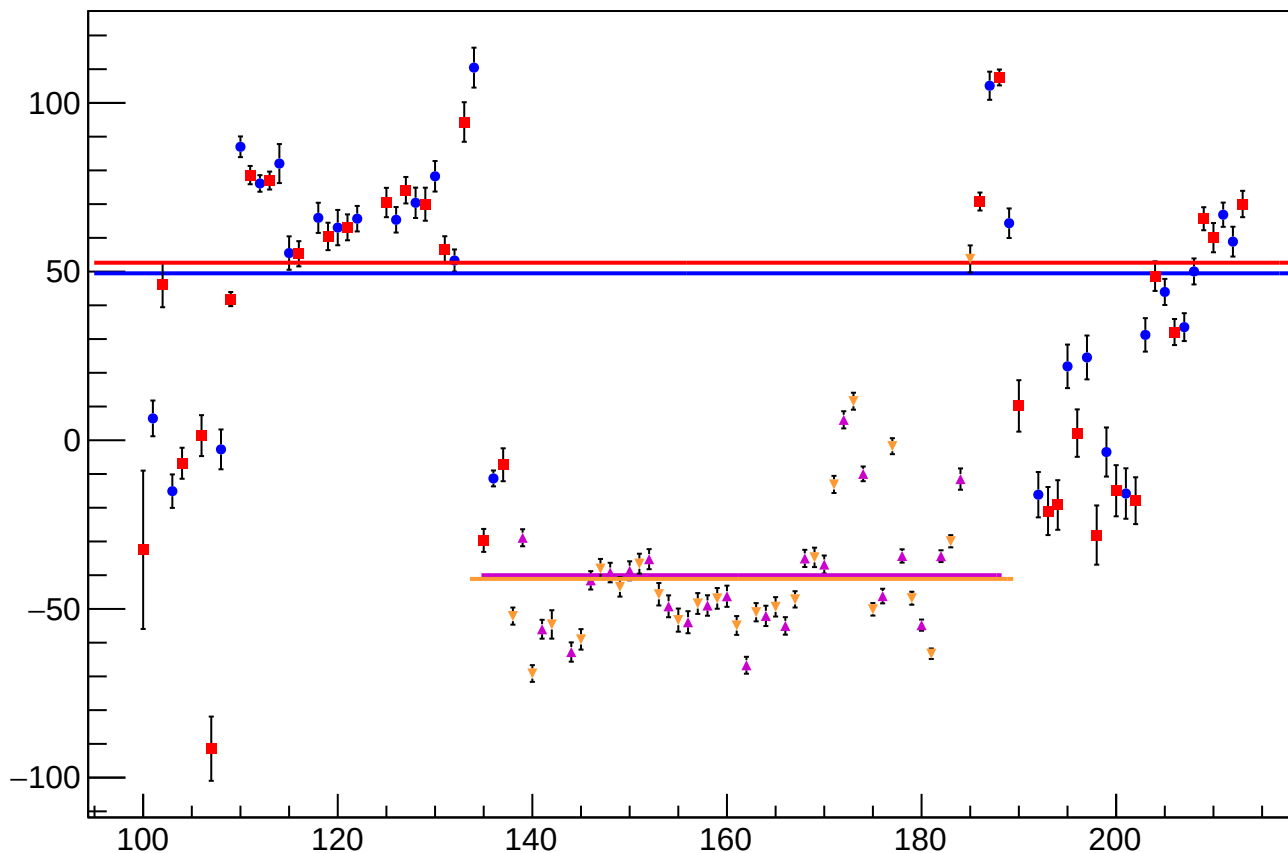
Left In: -1.180 ± 0.016 χ^2/NDF : 24754.1/22

+ sign -4.841 ± 0.014 χ^2/NDF : 672456.6/52

All: -4.813 ± 0.010 χ^2/NDF : 1440373.2/107

- sign -4.784 ± 0.014 χ^2/NDF : 767908.8/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 49.488 ± 0.778 χ^2/NDF : 2009.8/28

Left Out: -41.097 ± 0.517 χ^2/NDF : 1948.2/23

Right Out: 52.631 ± 0.713 χ^2/NDF : 2752.9/31

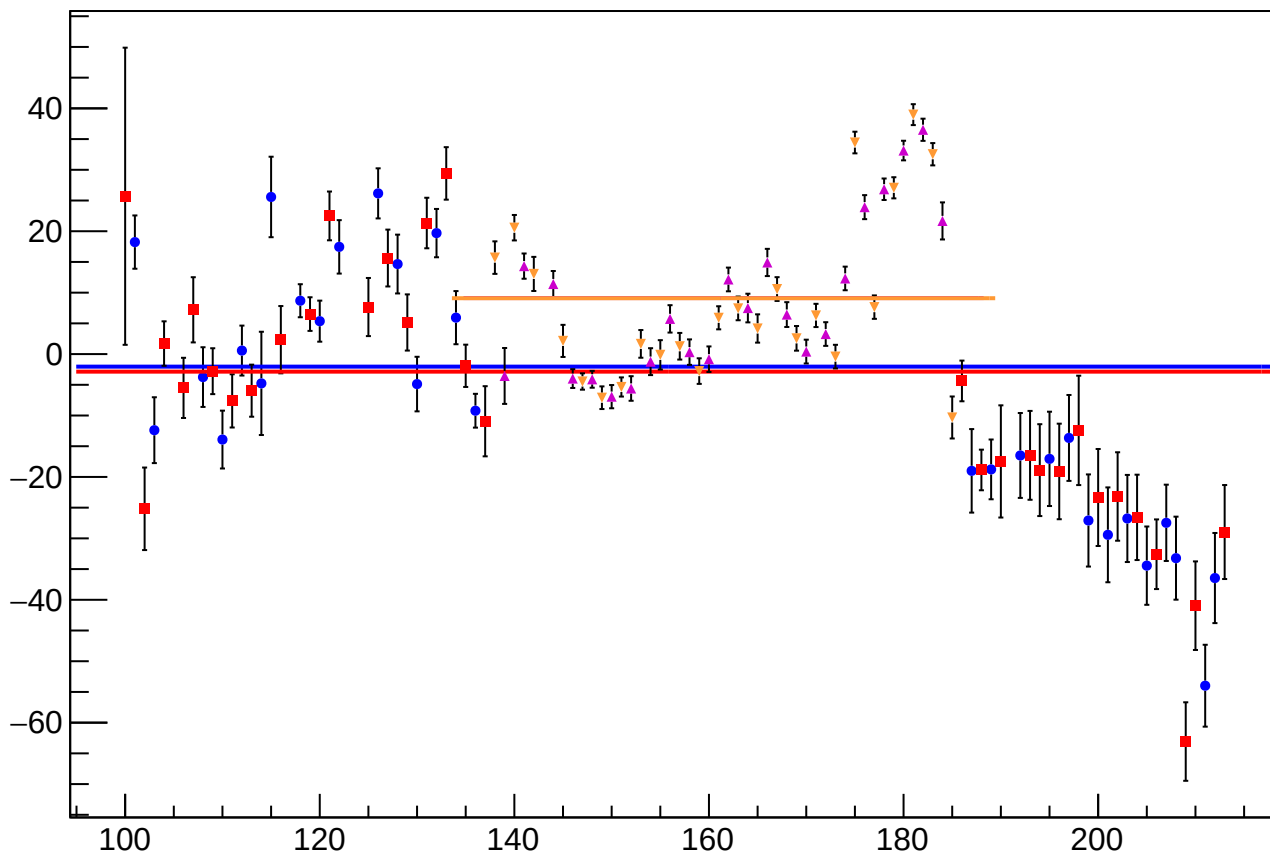
Left In: -40.000 ± 0.524 χ^2/NDF : 1031.8/22

+ sign -13.332 ± 0.431 χ^2/NDF : 13354.4/52

All: -10.347 ± 0.302 χ^2/NDF : 28193.1/107

- sign -7.478 ± 0.422 χ^2/NDF : 14744.5/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.043 ± 0.895 χ^2/NDF : 404.0/28

Left Out: 9.094 ± 0.401 χ^2/NDF : 1253.7/23

Right Out: -2.857 ± 0.856 χ^2/NDF : 412.9/31

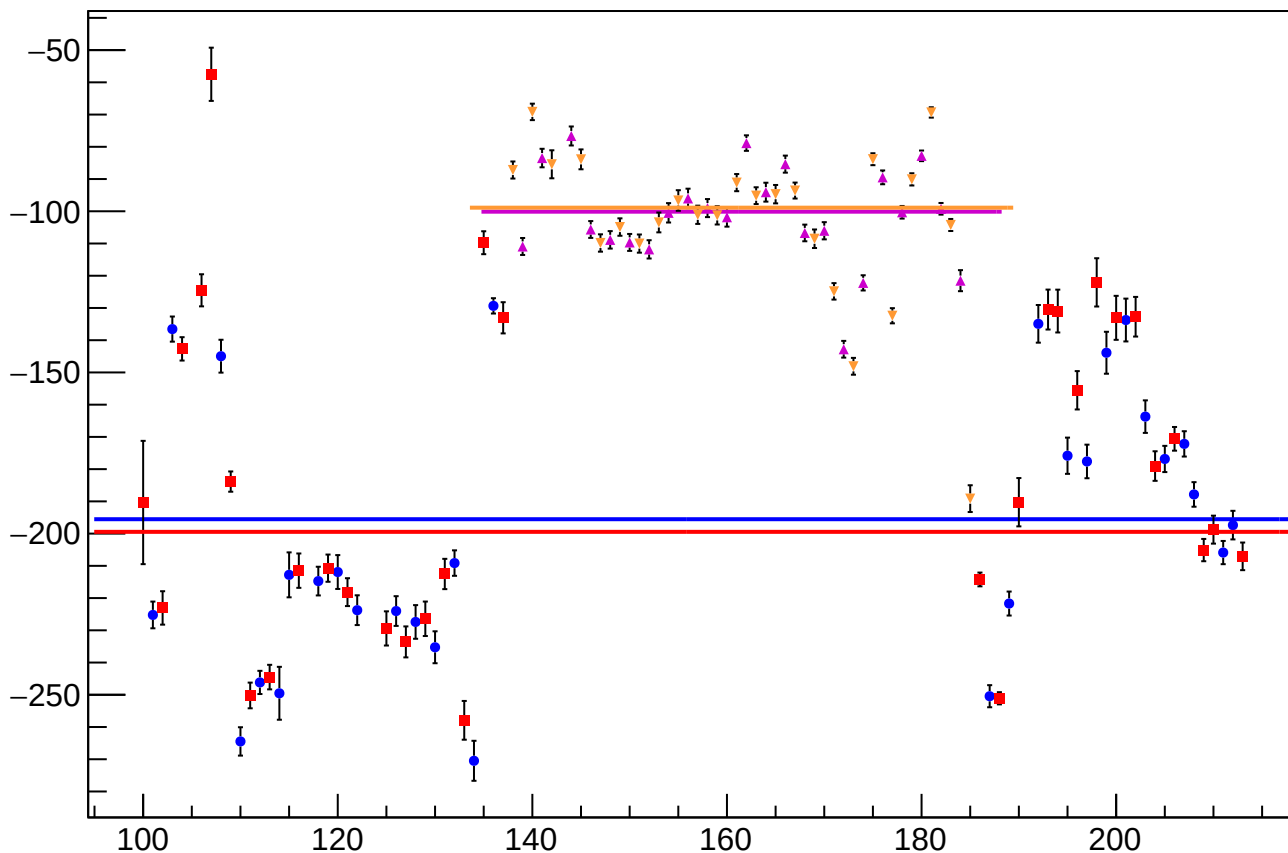
Left In: 9.121 ± 0.409 χ^2/NDF : 1051.8/22

+ sign 7.229 ± 0.366 χ^2/NDF : 1786.6/52

All: 7.063 ± 0.260 χ^2/NDF : 3411.2/107

- sign 6.894 ± 0.369 χ^2/NDF : 1624.1/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -195.534 ± 0.813 χ^2/NDF : 2706.6/28

Left Out: -98.883 ± 0.514 χ^2/NDF : 1824.5/23

Right Out: -199.452 ± 0.739 χ^2/NDF : 3663.8/31

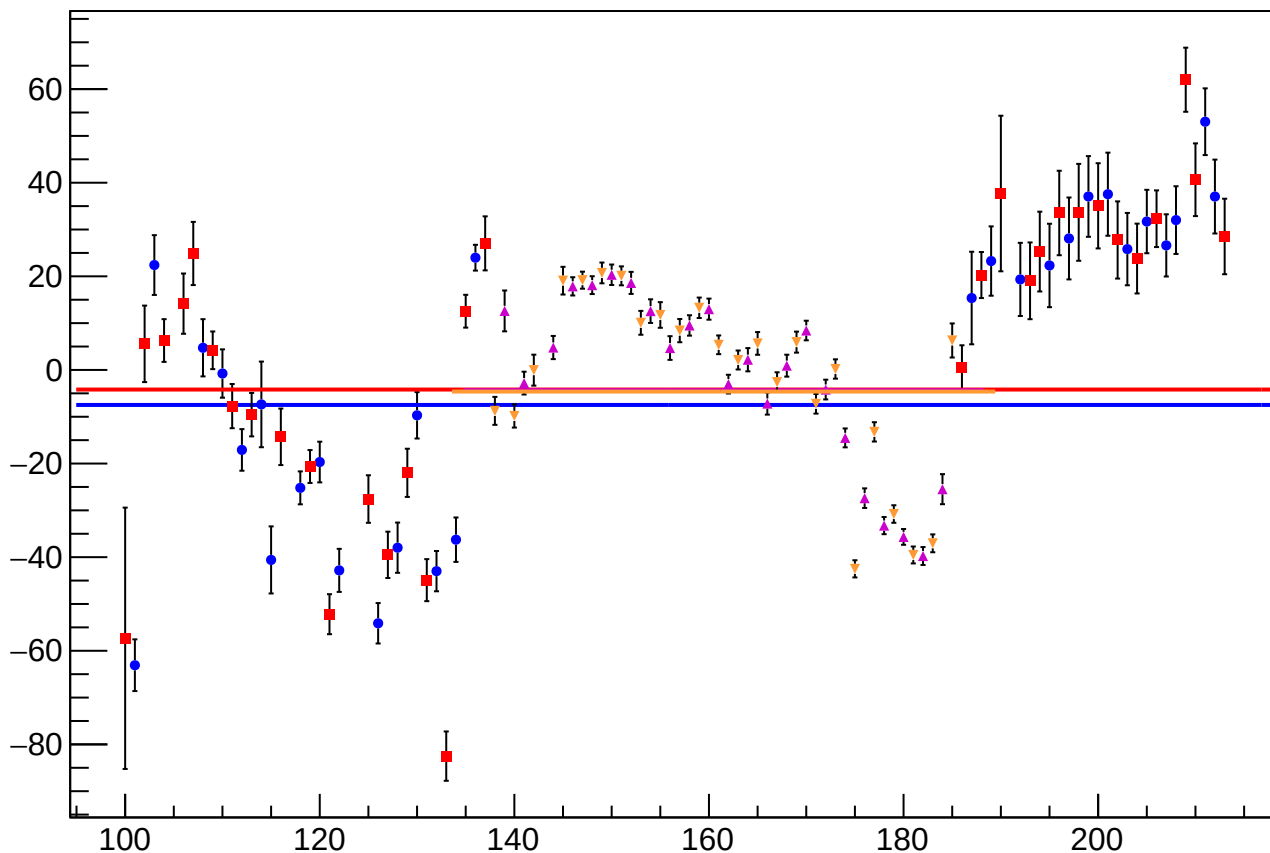
Left In: -100.127 ± 0.520 χ^2/NDF : 823.2/22

+ sign -126.518 ± 0.434 χ^2/NDF : 14635.0/52

All: -129.826 ± 0.304 χ^2/NDF : 31306.2/107

- sign -132.998 ± 0.425 χ^2/NDF : 16557.6/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -7.478 ± 1.022 χ^2/NDF : 958.3/28

Left Out: -4.618 ± 0.451 χ^2/NDF : 2078.3/23

Right Out: -4.188 ± 0.998 χ^2/NDF : 943.4/31

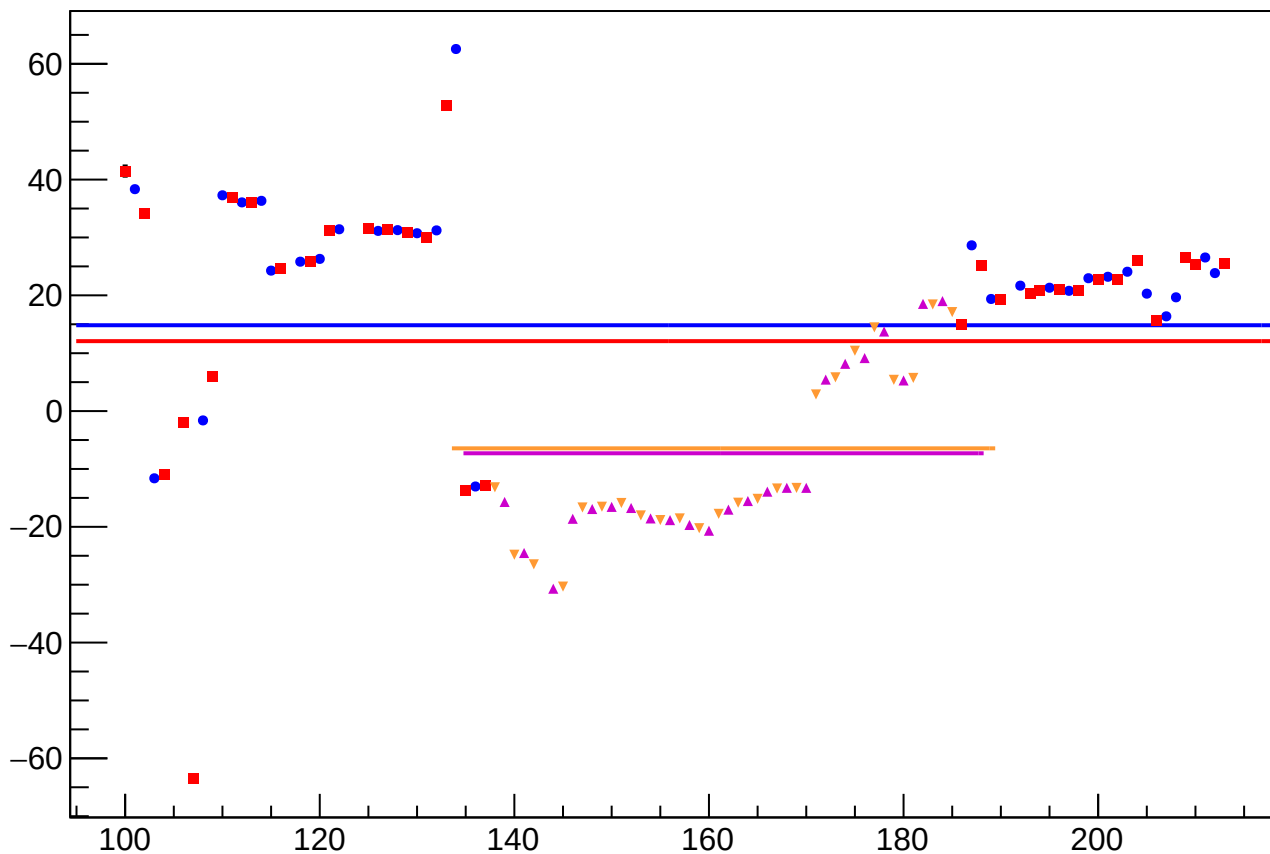
Left In: -4.328 ± 0.459 χ^2/NDF : 1854.2/22

+ sign -5.084 ± 0.413 χ^2/NDF : 3043.2/52

All: -4.698 ± 0.293 χ^2/NDF : 5842.5/107

- sign -4.304 ± 0.417 χ^2/NDF : 2797.6/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 14.833 $\pm$ 0.050 χ^2/NDF : 177421.2/28

Left Out: -6.437 $\pm$ 0.020 χ^2/NDF : 496714.6/23

Right Out: 12.085 $\pm$ 0.049 χ^2/NDF : 182701.2/31

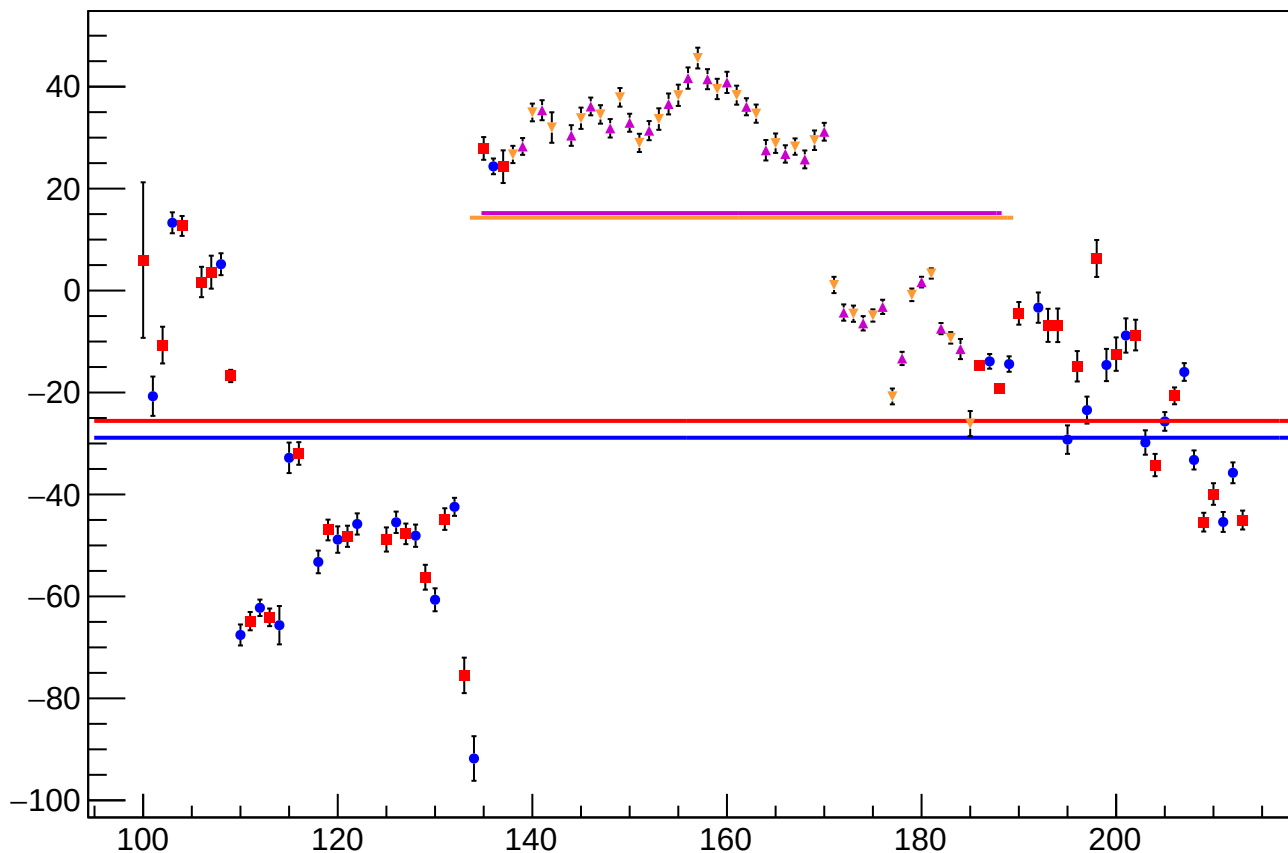
Left In: -7.292 $\pm$ 0.020 χ^2/NDF : 488261.5/22

+ sign -3.418 $\pm$ 0.019 χ^2/NDF : 831623.0/52

All: -3.941 $\pm$ 0.013 χ^2/NDF : 1637000.2/107

- sign -4.466 $\pm$ 0.019 χ^2/NDF : 803811.5/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -28.872 ± 0.395 $\chi^2/\text{NDF}: 4078.2/28$

Left Out: 14.295 ± 0.335 $\chi^2/\text{NDF}: 3726.3/23$

Right Out: -25.567 ± 0.344 $\chi^2/\text{NDF}: 4101.6/31$

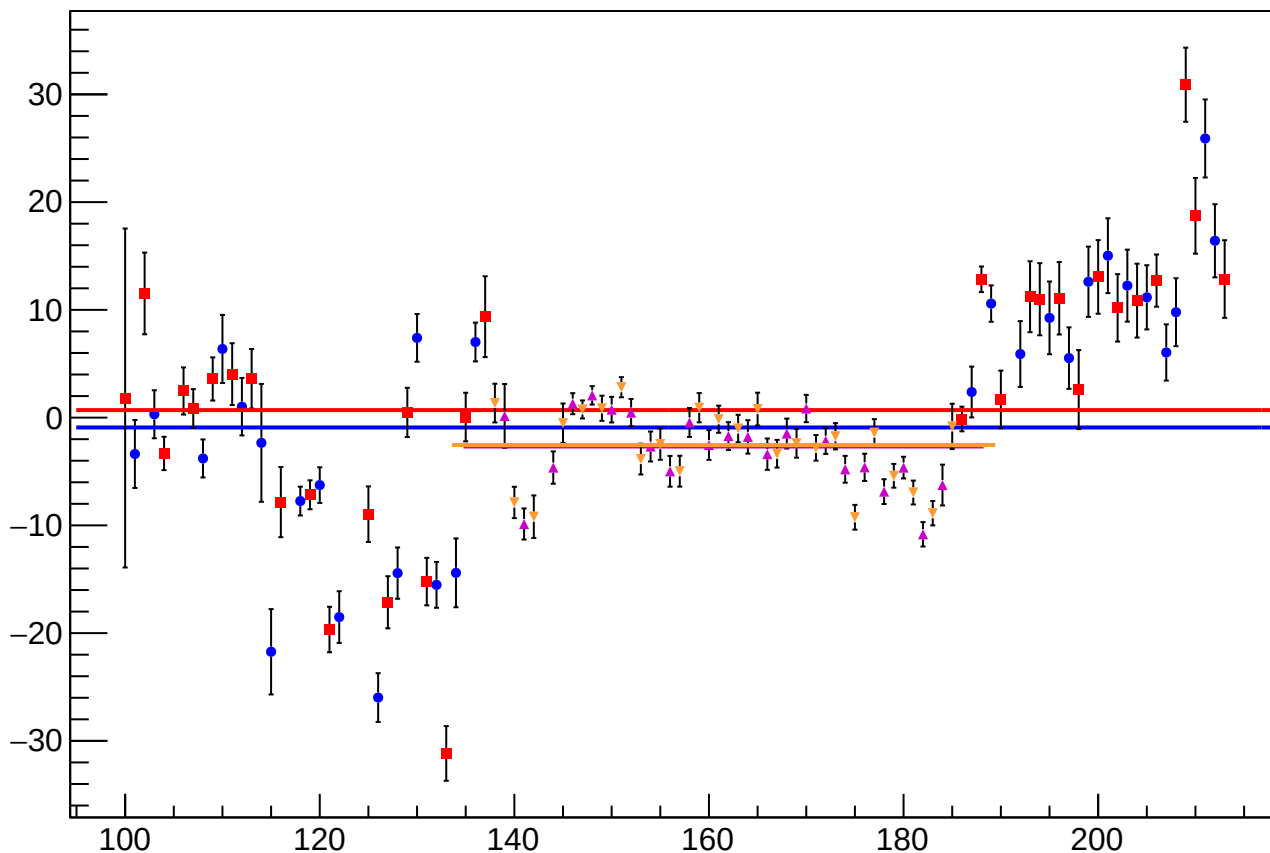
Left In: 15.194 ± 0.339 $\chi^2/\text{NDF}: 3406.6/22$

+ sign -3.780 ± 0.256 $\chi^2/\text{NDF}: 14748.5/52$

All: -4.389 ± 0.176 $\chi^2/\text{NDF}: 29388.5/107$

- sign -4.932 ± 0.241 $\chi^2/\text{NDF}: 14629.3/54$

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.913 ± 0.452 χ^2/NDF : 618.3/28

Left Out: -2.538 ± 0.259 χ^2/NDF : 198.4/23

Right Out: 0.698 ± 0.402 χ^2/NDF : 743.6/31

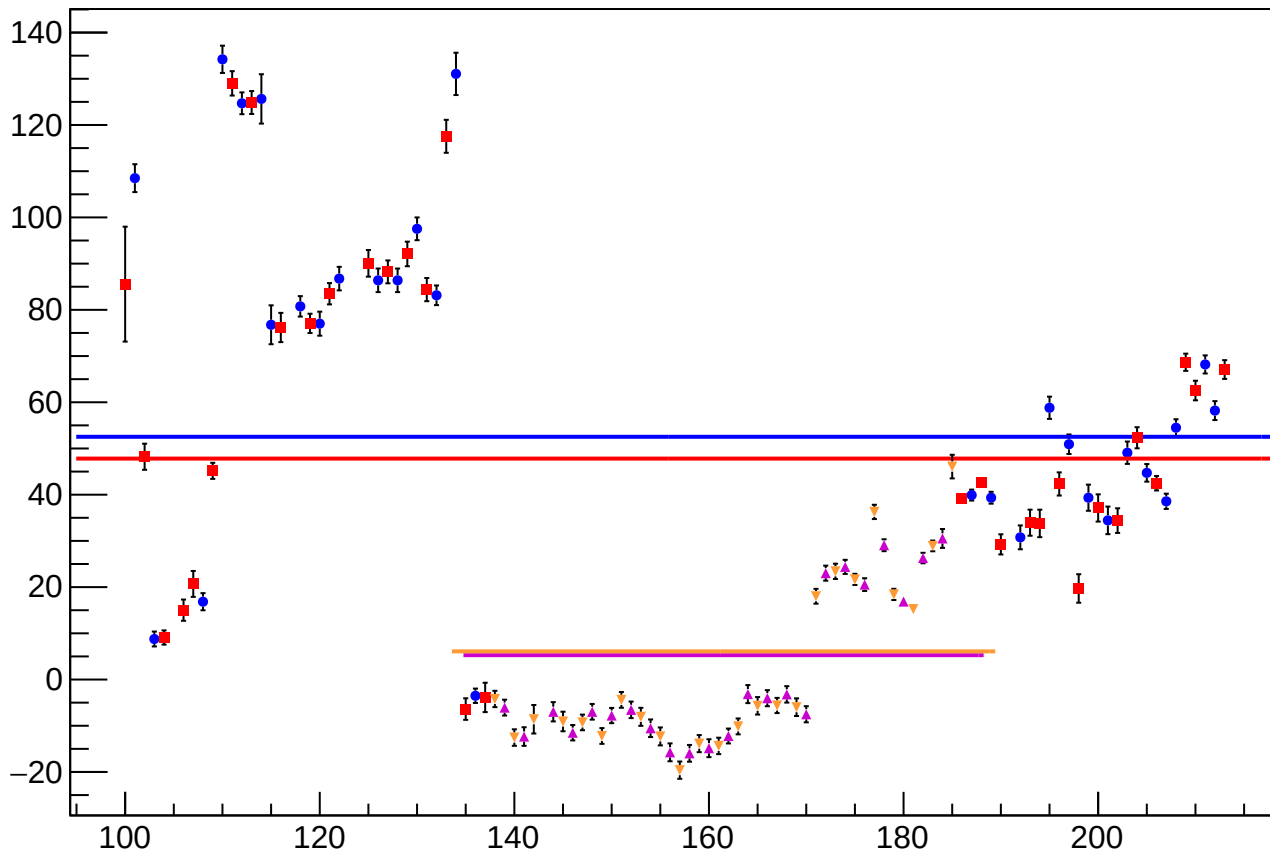
Left In: -2.681 ± 0.265 χ^2/NDF : 182.0/22

+ sign -2.136 ± 0.225 χ^2/NDF : 826.4/52

All: -1.894 ± 0.158 χ^2/NDF : 1803.5/107

- sign -1.660 ± 0.221 χ^2/NDF : 974.9/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.529 $\pm$ 0.391 χ^2 /NDF: 6807.2/28

Left Out: 6.095 $\pm$ 0.333 χ^2 /NDF: 2773.9/23

Right Out: 47.812 $\pm$ 0.329 χ^2 /NDF: 6246.3/31

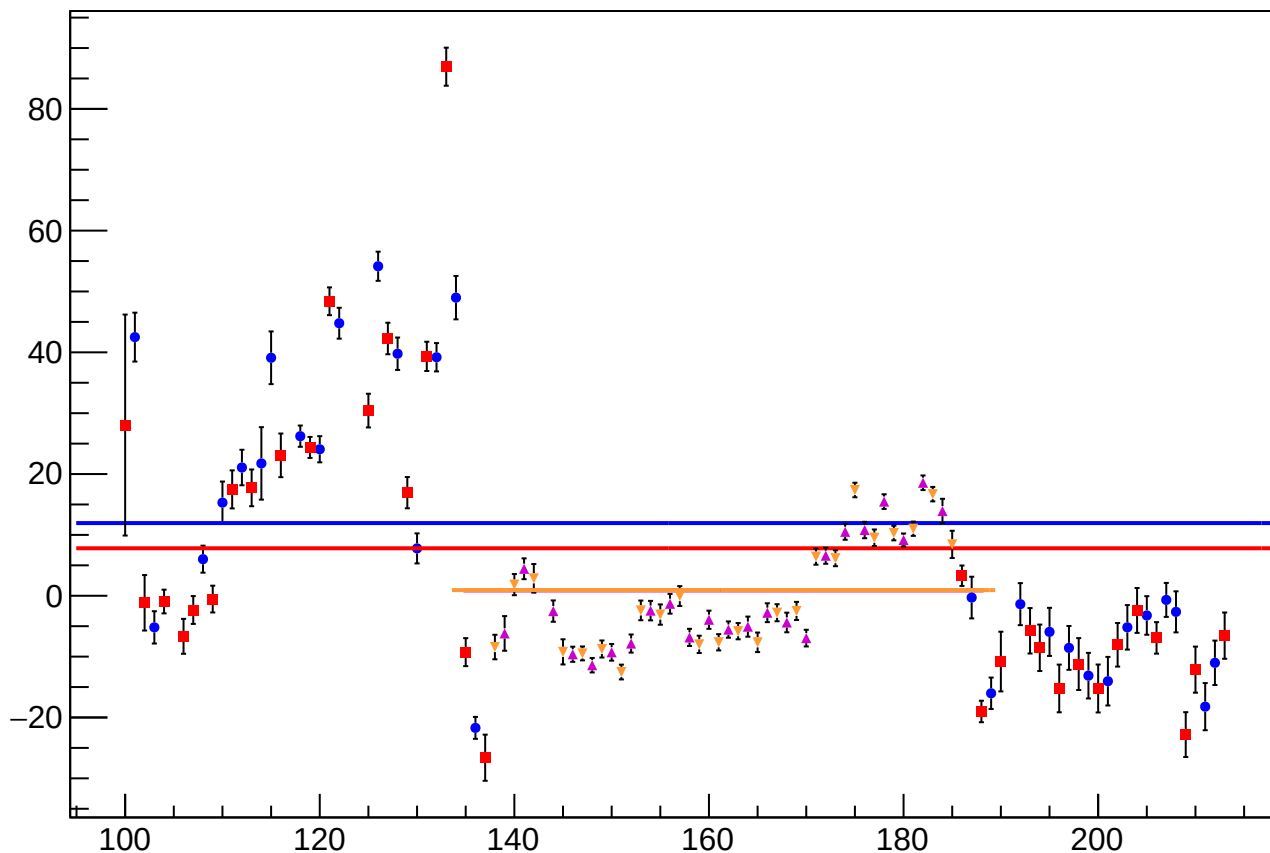
Left In: 5.269 $\pm$ 0.337 χ^2 /NDF: 2451.2/22

+ sign 25.612 $\pm$ 0.253 χ^2 /NDF: 17760.1/52

All: 26.368 $\pm$ 0.172 χ^2 /NDF: 34644.5/107

- sign 27.019 $\pm$ 0.235 χ^2 /NDF: 16867.8/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.945 ± 0.529 χ^2/NDF : 1911.9/28

Left Out: 0.929 ± 0.292 χ^2/NDF : 1041.7/23

Right Out: 7.803 ± 0.489 χ^2/NDF : 2282.0/31

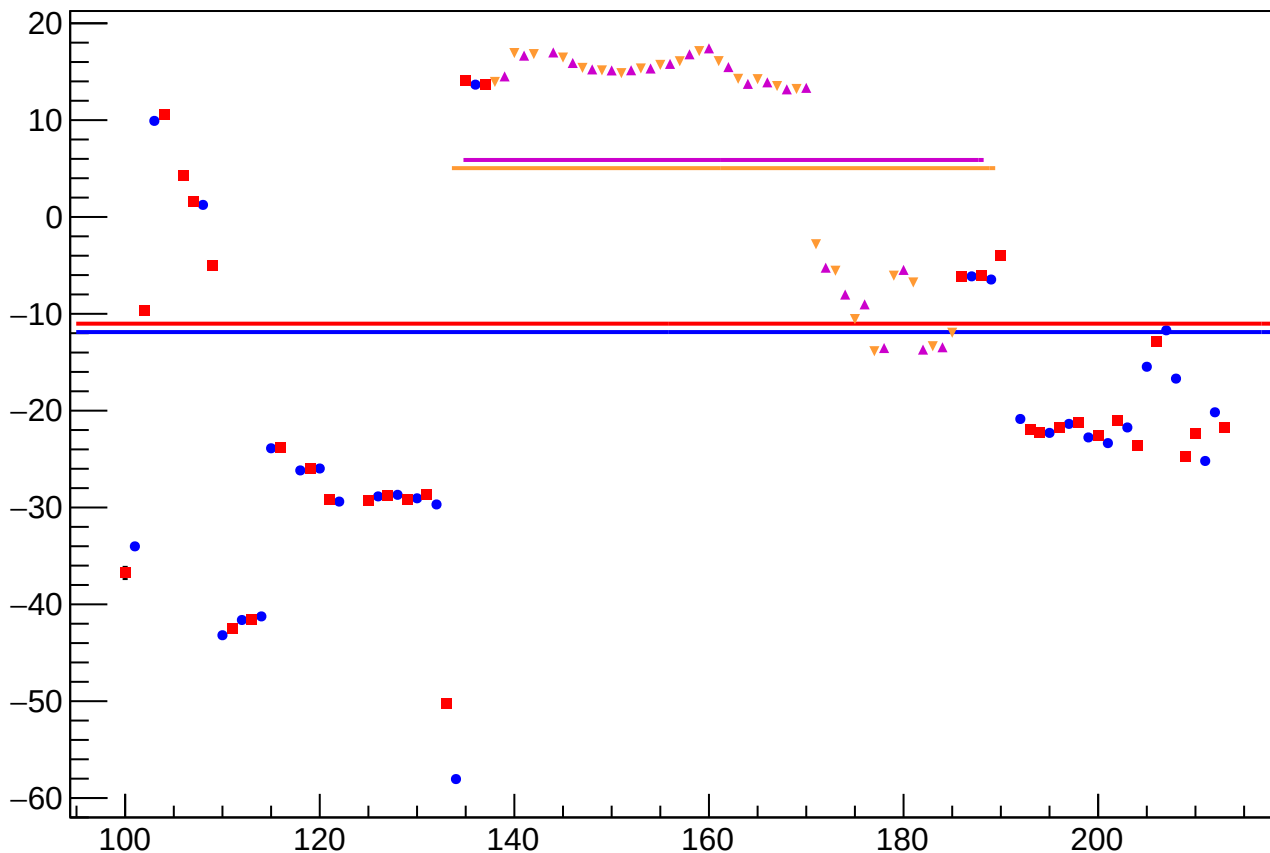
Left In: 0.878 ± 0.297 χ^2/NDF : 1006.0/22

+ sign 3.495 ± 0.256 χ^2/NDF : 3285.5/52

All: 3.117 ± 0.180 χ^2/NDF : 6724.1/107

- sign 2.744 ± 0.254 χ^2/NDF : 3434.3/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -11.885 $\pm$ 0.024 χ^2 /NDF: 497682.6/28

Left Out: 5.042 $\pm$ 0.013 χ^2 /NDF: 855564.2/23

Right Out: -11.017 $\pm$ 0.024 χ^2 /NDF: 422090.4/31

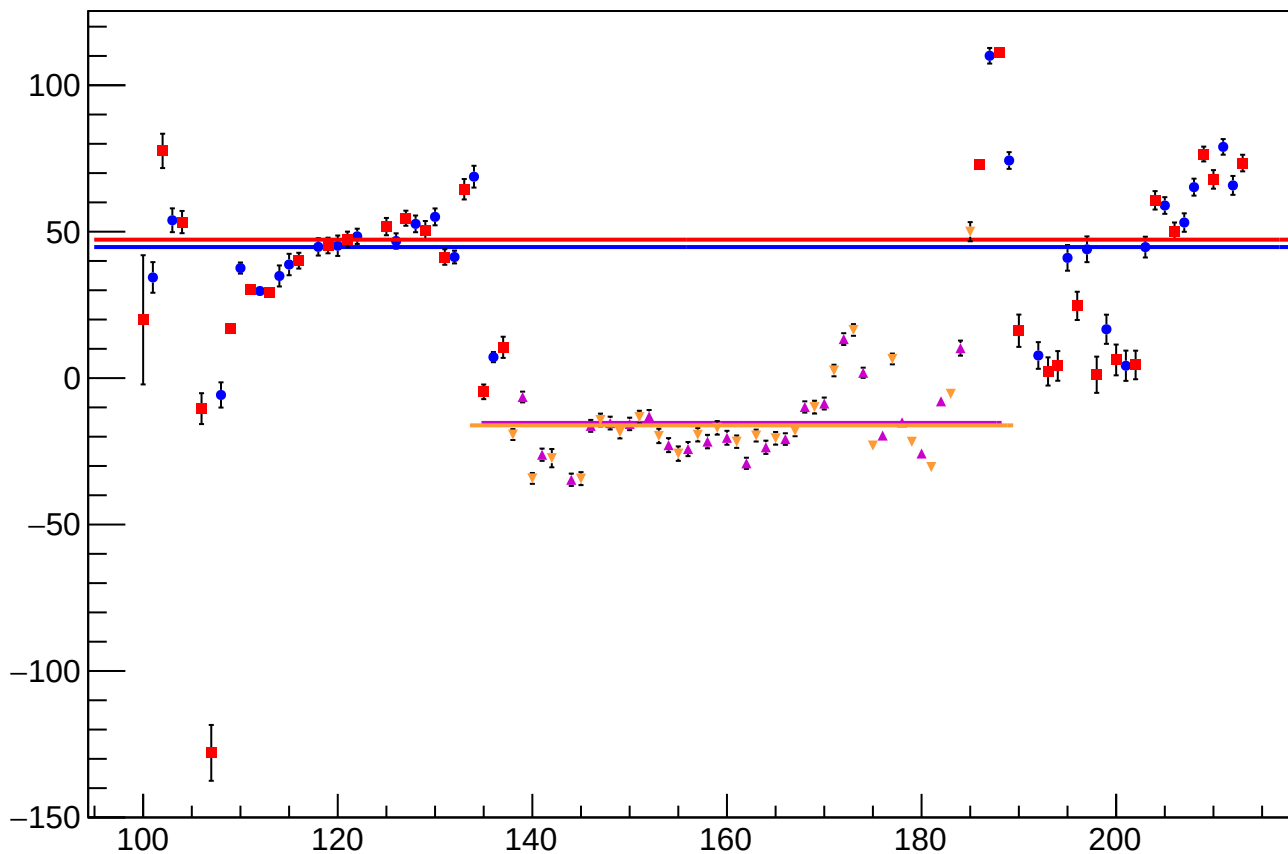
Left In: 5.886 $\pm$ 0.013 χ^2 /NDF: 846355.0/22

+ sign 1.236 $\pm$ 0.012 χ^2 /NDF: 1730831.1/52

All: 1.550 $\pm$ 0.008 χ^2 /NDF: 3394299.3/107

- sign 1.862 $\pm$ 0.011 χ^2 /NDF: 1661986.1/54

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 44.743 ± 0.537 $\chi^2/\text{NDF}: 1952.1/28$

Left Out: -16.132 ± 0.398 $\chi^2/\text{NDF}: 1364.9/23$

Right Out: 47.275 ± 0.491 $\chi^2/\text{NDF}: 4380.9/31$

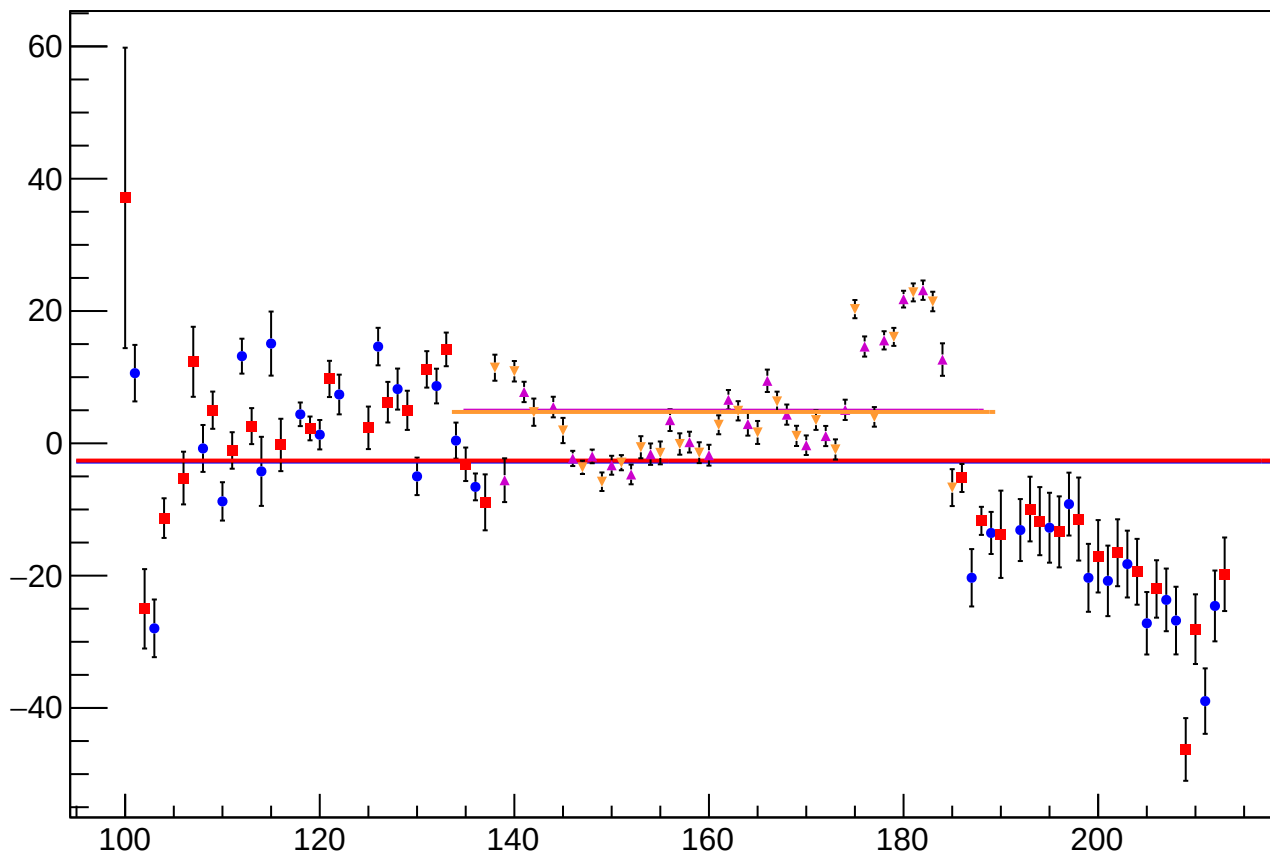
Left In: -15.295 ± 0.403 $\chi^2/\text{NDF}: 760.9/22$

+ sign 5.466 ± 0.320 $\chi^2/\text{NDF}: 11621.1/52$

All: 7.745 ± 0.223 $\chi^2/\text{NDF}: 26563.0/107$

- sign 9.912 ± 0.312 $\chi^2/\text{NDF}: 14842.8/54$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.759 ± 0.617 $\chi^2/\text{NDF}: 412.6/28$

Left Out: 4.745 ± 0.307 $\chi^2/\text{NDF}: 793.8/23$

Right Out: -2.606 ± 0.593 $\chi^2/\text{NDF}: 359.4/31$

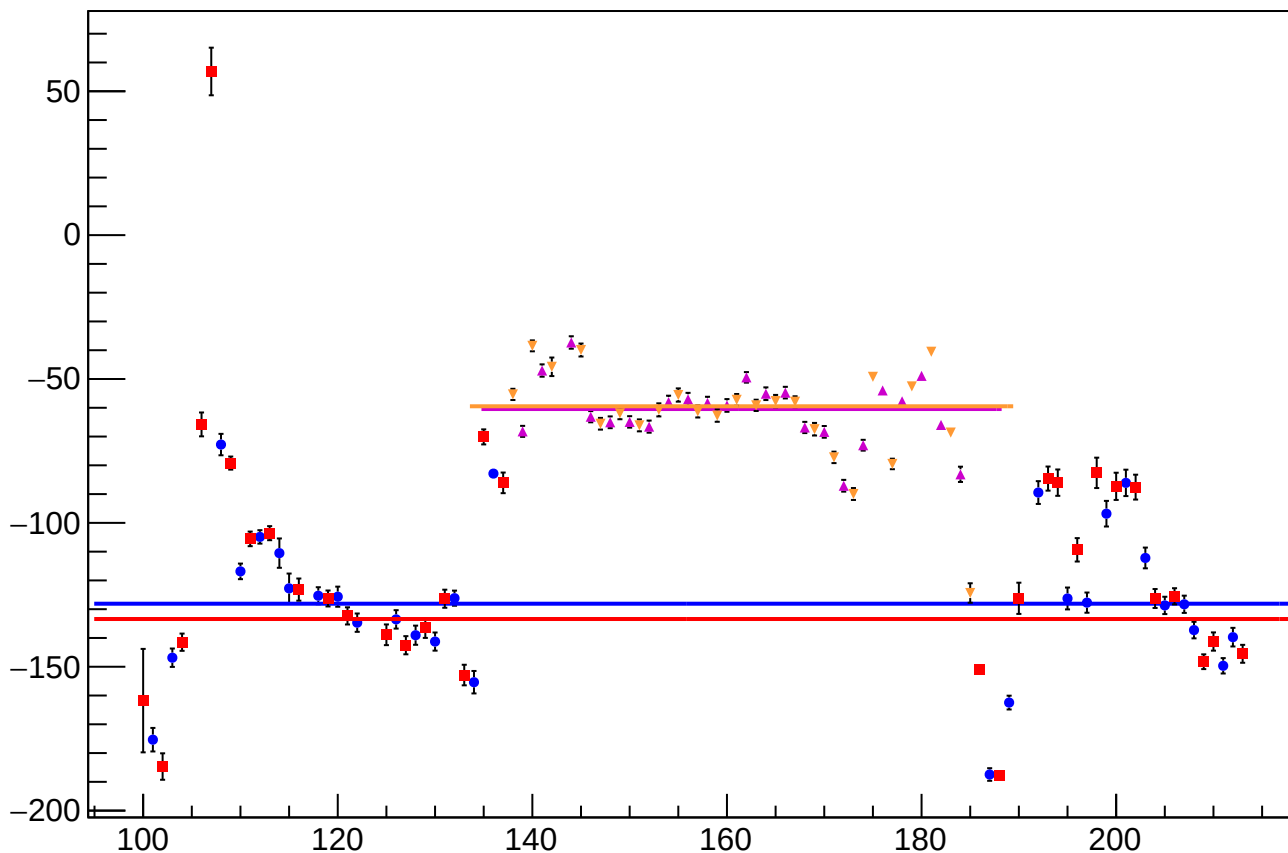
Left In: 4.935 ± 0.313 $\chi^2/\text{NDF}: 688.4/22$

+ sign 3.260 ± 0.275 $\chi^2/\text{NDF}: 1324.9/52$

All: 3.276 ± 0.195 $\chi^2/\text{NDF}: 2499.2/107$

- sign 3.293 ± 0.277 $\chi^2/\text{NDF}: 1174.2/54$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -128.093 ± 0.568 $\chi^2/\text{NDF}: 2547.3/28$

Left Out: -59.480 ± 0.395 $\chi^2/\text{NDF}: 1372.3/23$

Right Out: -133.411 ± 0.510 $\chi^2/\text{NDF}: 5385.2/31$

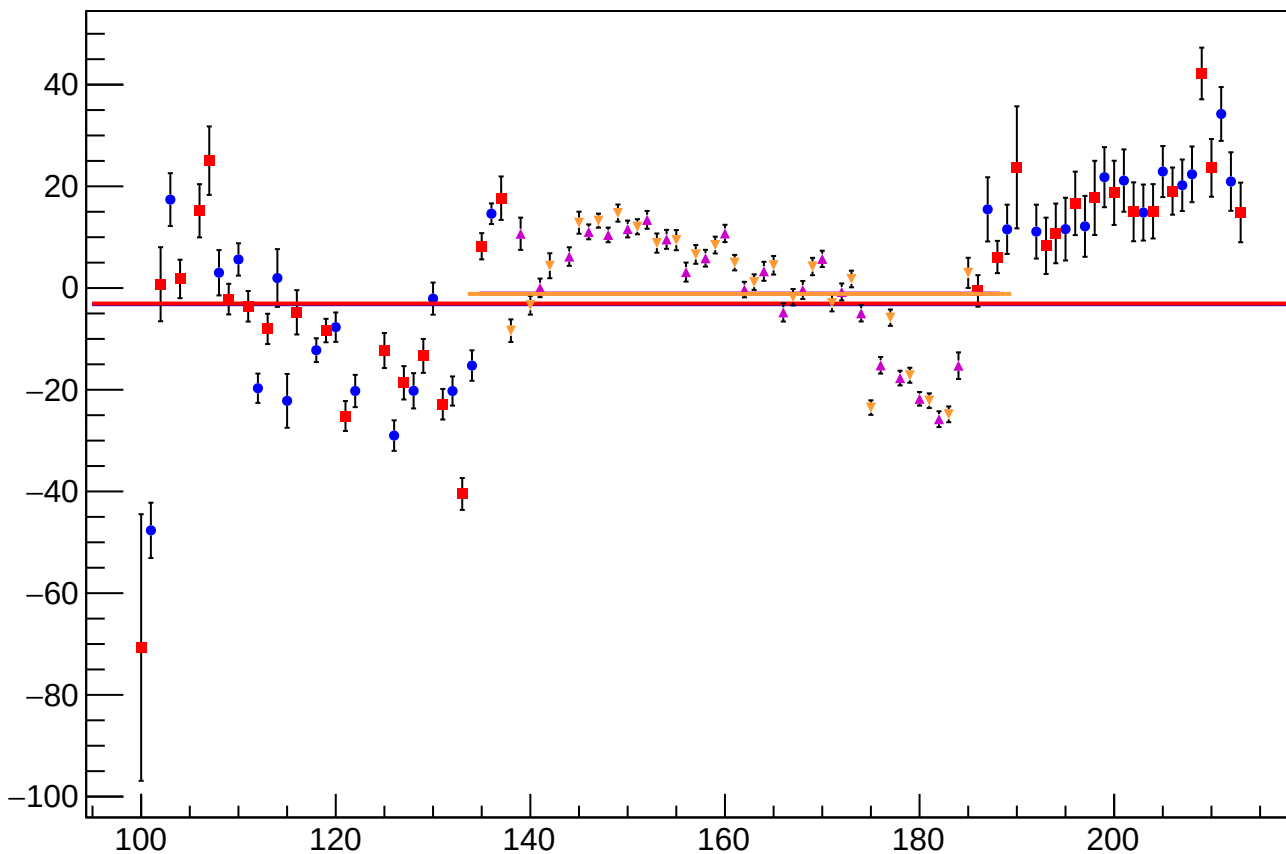
Left In: -60.435 ± 0.400 $\chi^2/\text{NDF}: 668.3/22$

+ sign -81.821 ± 0.324 $\chi^2/\text{NDF}: 13747.6/52$

All: -85.086 ± 0.226 $\chi^2/\text{NDF}: 32674.0/107$

- sign -88.159 ± 0.315 $\chi^2/\text{NDF}: 18729.6/54$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -3.173 ± 0.707 χ^2/NDF : 631.4/28

Left Out: -1.144 ± 0.346 χ^2/NDF : 1303.0/23

Right Out: -3.048 ± 0.694 χ^2/NDF : 579.0/31

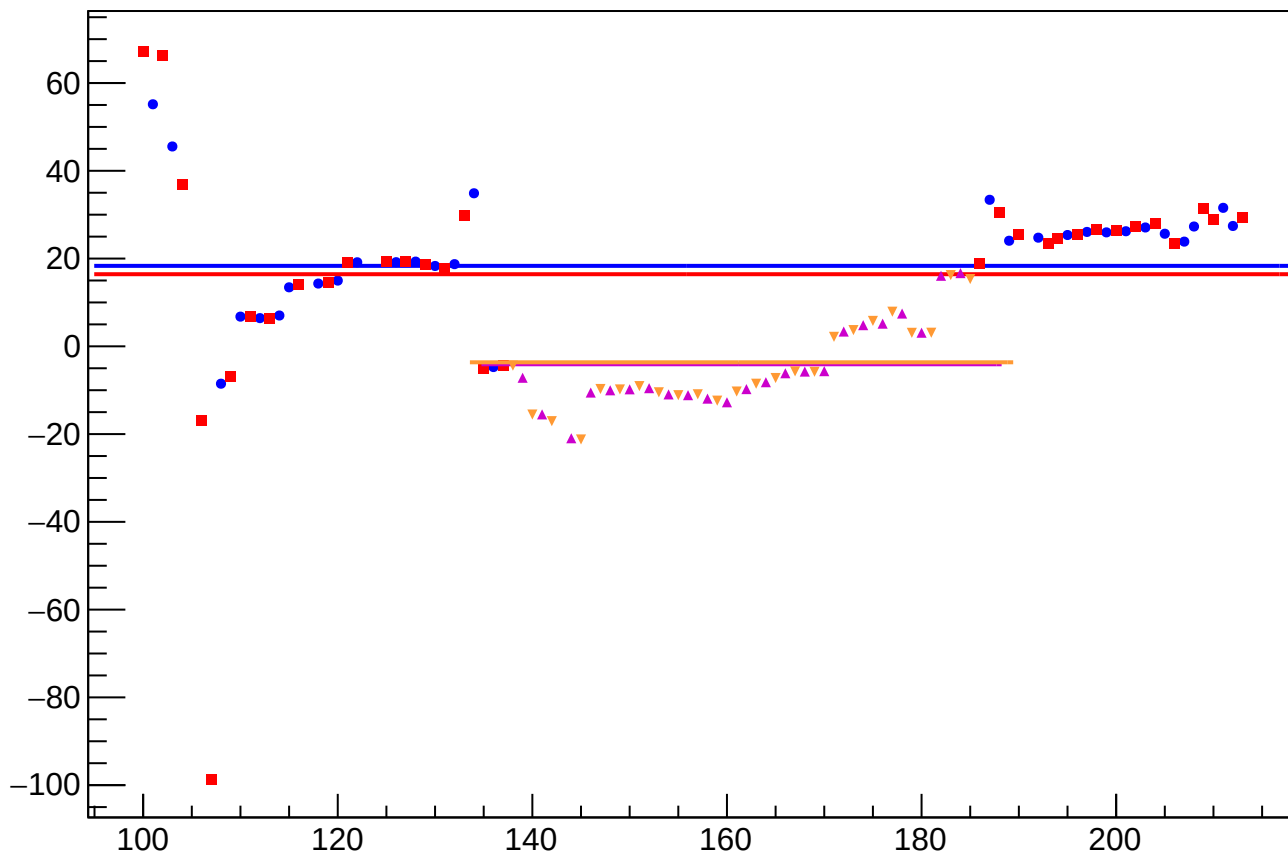
Left In: -1.082 ± 0.352 χ^2/NDF : 1157.4/22

+ sign -1.536 ± 0.310 χ^2/NDF : 1941.1/52

All: -1.510 ± 0.221 χ^2/NDF : 3683.8/107

- sign -1.484 ± 0.314 χ^2/NDF : 1742.7/54

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 18.337+/-0.036 χ^2 /NDF: 215757.5/28

Left Out: -3.639+/-0.015 χ^2 /NDF: 345861.2/23

Right Out: 16.434+/-0.036 χ^2 /NDF: 351935.9/31

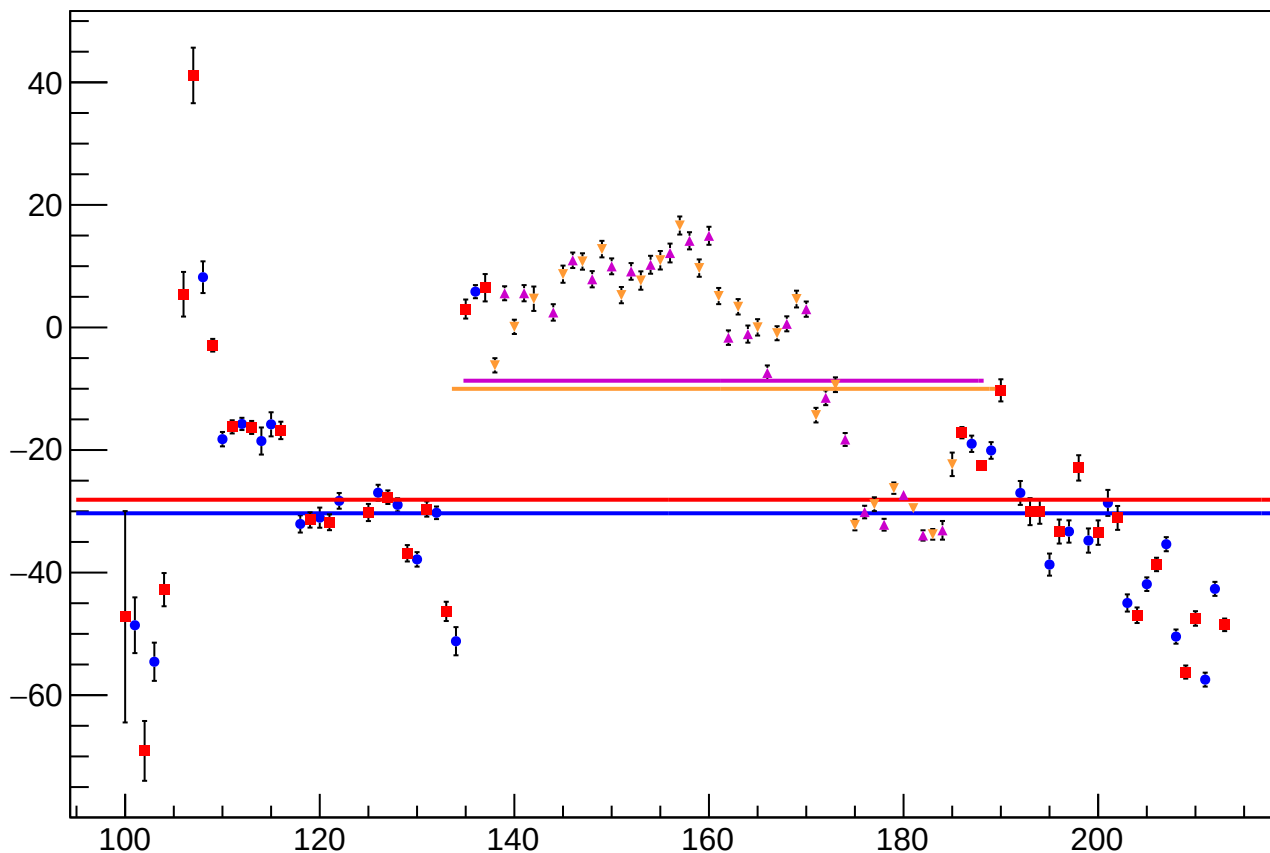
Left In: -4.091+/-0.016 χ^2 /NDF: 333287.4/22

+ sign -0.142+/-0.014 χ^2 /NDF: 883498.4/52

All: -0.479+/-0.010 χ^2 /NDF: 1848277.7/107

- sign -0.819+/-0.014 χ^2 /NDF: 963642.6/54

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -30.322 ± 0.259 $\chi^2/\text{NDF}: 3355.7/28$

Left Out: -10.013 ± 0.244 $\chi^2/\text{NDF}: 4977.5/23$

Right Out: -28.111 ± 0.243 $\chi^2/\text{NDF}: 4138.9/31$

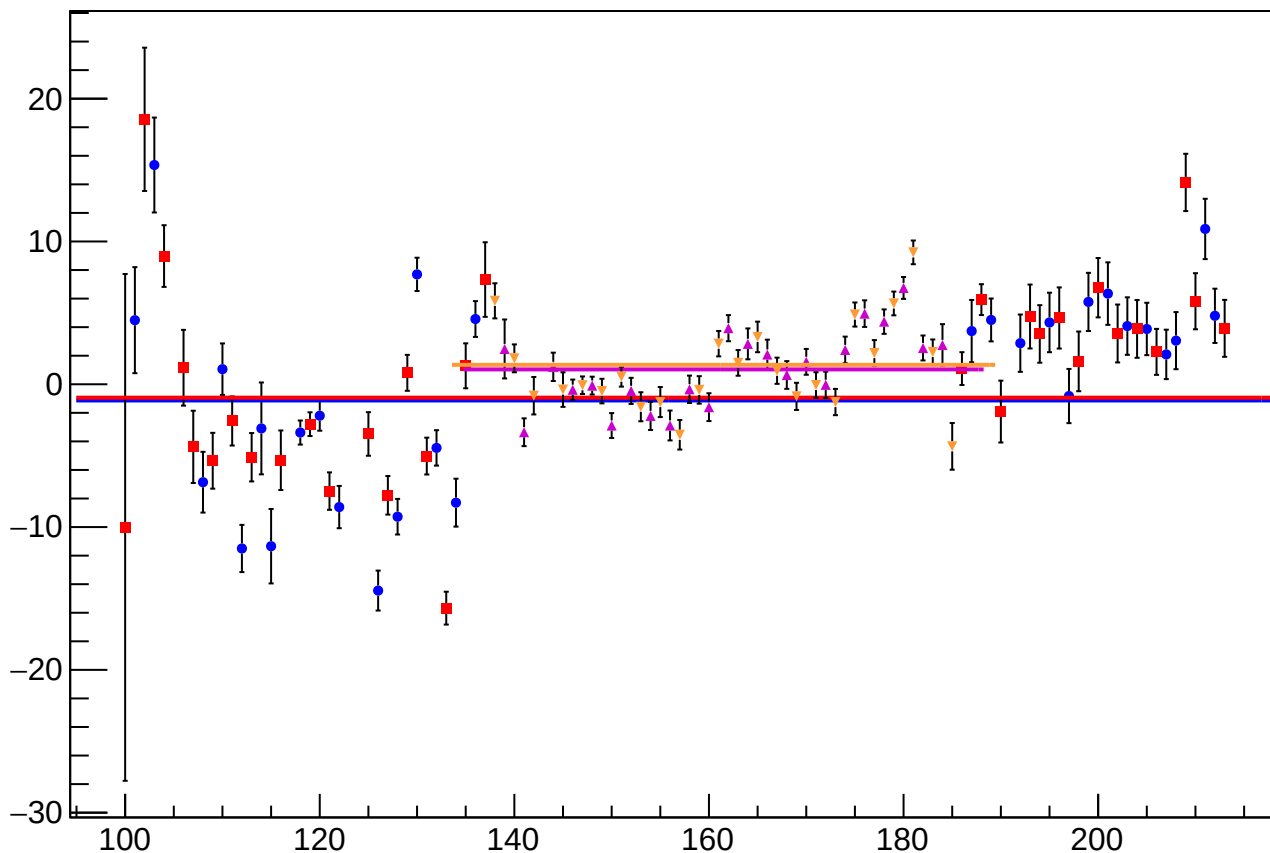
Left In: -8.689 ± 0.248 $\chi^2/\text{NDF}: 5021.6/22$

+ sign -19.592 ± 0.178 $\chi^2/\text{NDF}: 11592.0/52$

All: -19.073 ± 0.124 $\chi^2/\text{NDF}: 23900.2/107$

- sign -18.577 ± 0.174 $\chi^2/\text{NDF}: 12291.5/54$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.132 ± 0.300 χ^2/NDF : 478.1/28

Left Out: 1.361 ± 0.188 χ^2/NDF : 240.3/23

Right Out: -0.938 ± 0.290 χ^2/NDF : 467.5/31

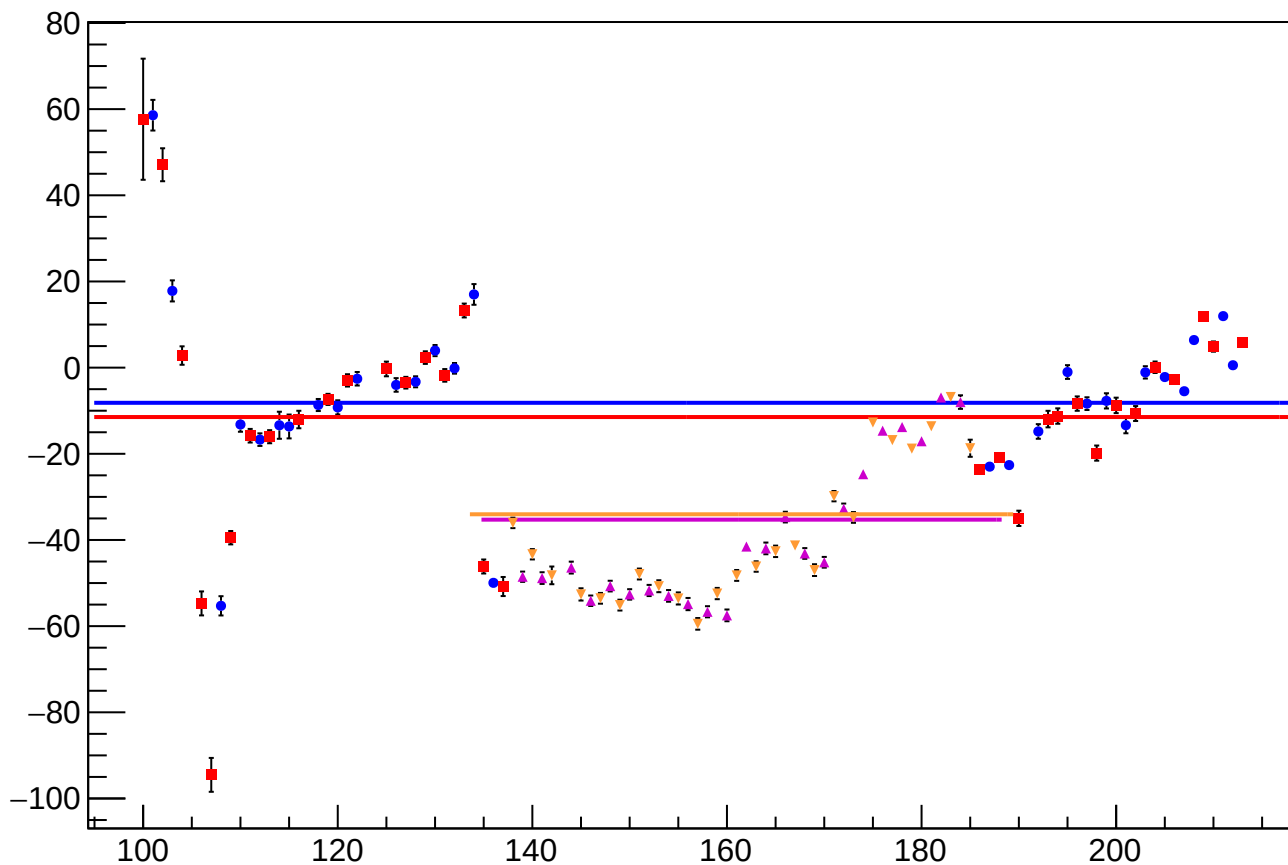
Left In: 1.041 ± 0.192 χ^2/NDF : 196.1/22

+ sign 0.657 ± 0.160 χ^2/NDF : 767.9/52

All: 0.548 ± 0.113 χ^2/NDF : 1464.6/107

- sign 0.437 ± 0.160 χ^2/NDF : 695.8/54

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -8.163 ± 0.269 χ^2/NDF : 3690.6/28

Left Out: -34.036 ± 0.243 χ^2/NDF : 4965.7/23

Right Out: -11.466 ± 0.247 χ^2/NDF : 4334.8/31

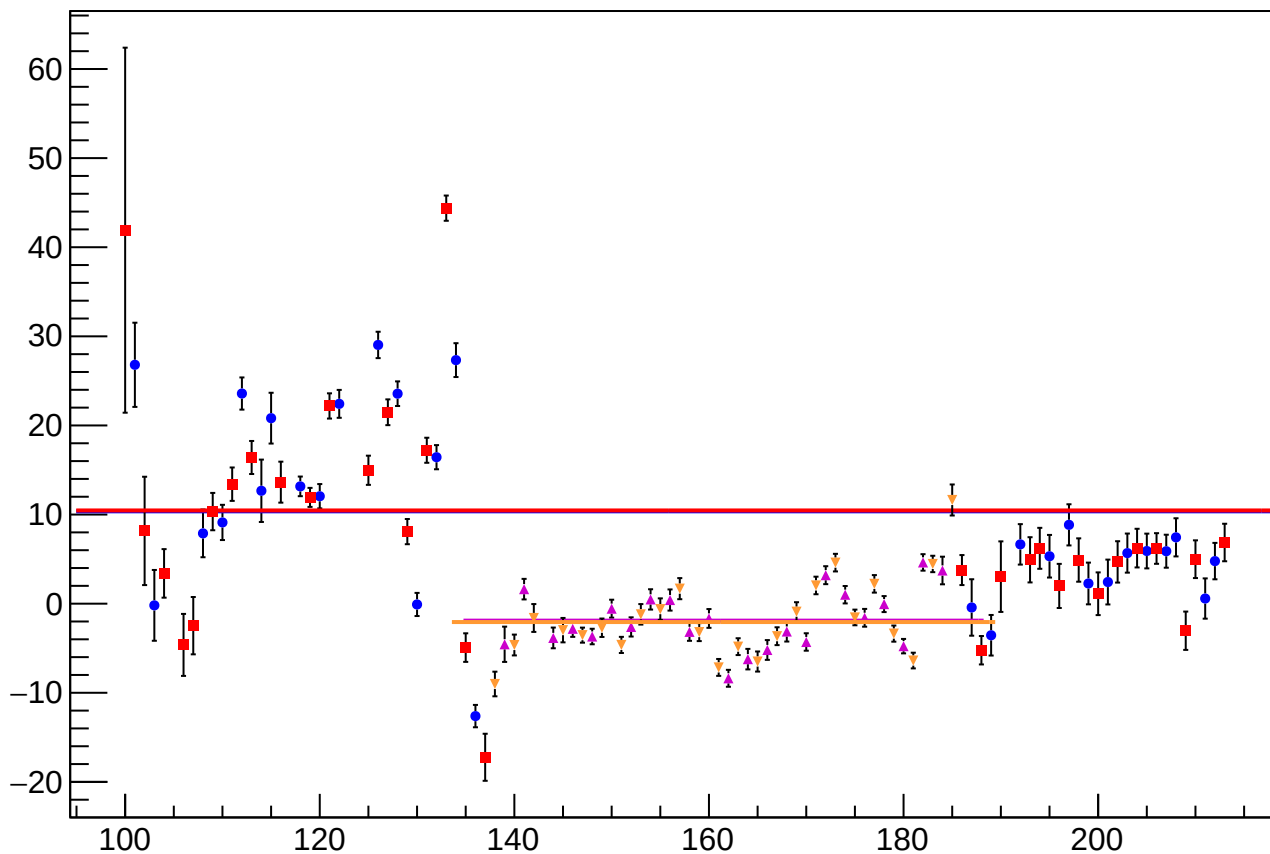
Left In: -35.285 ± 0.245 χ^2/NDF : 4998.0/22

+ sign -22.446 ± 0.180 χ^2/NDF : 13754.0/52

All: -22.975 ± 0.125 χ^2/NDF : 27776.2/107

- sign -23.469 ± 0.174 χ^2/NDF : 14005.5/54

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.363 $\pm$ 0.345 χ^2 /NDF: 1028.0/28

Left Out: -2.062 $\pm$ 0.212 χ^2 /NDF:332.4/23

Right Out: 10.460 $\pm$ 0.340 χ^2 /NDF: 1218.9/31

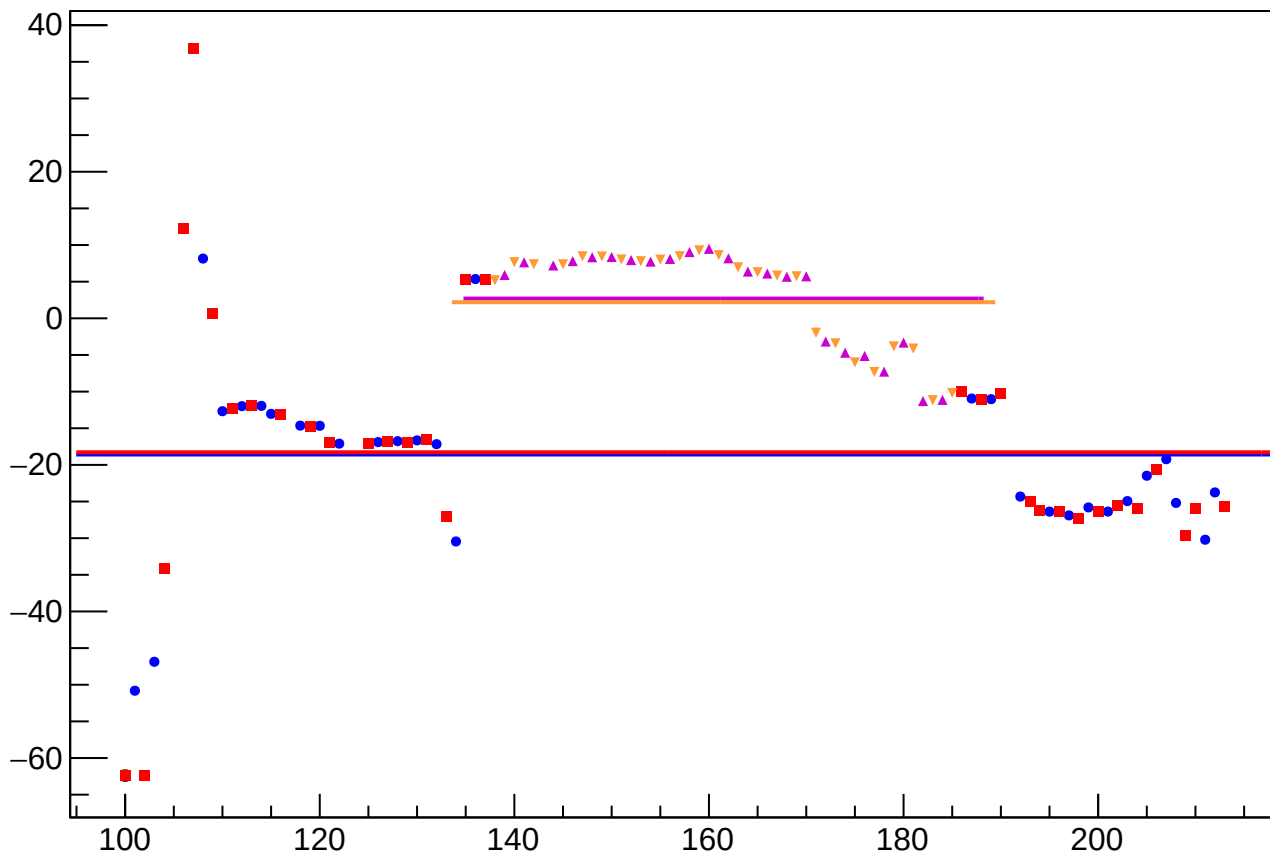
Left In: -1.905 $\pm$ 0.216 χ^2 /NDF:222.1/22

+ sign 1.355 $\pm$ 0.181 χ^2 /NDF: 2302.7/52

All: 1.505 $\pm$ 0.128 χ^2 /NDF: 4688.1/107

- sign 1.659 $\pm$ 0.182 χ^2 /NDF: 2384.0/54

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -18.582 ± 0.017 χ^2/NDF : 521628.2/28

Left Out: 2.198 ± 0.009 χ^2/NDF : 508502.1/23

Right Out: -18.279 ± 0.017 χ^2/NDF : 609524.3/31

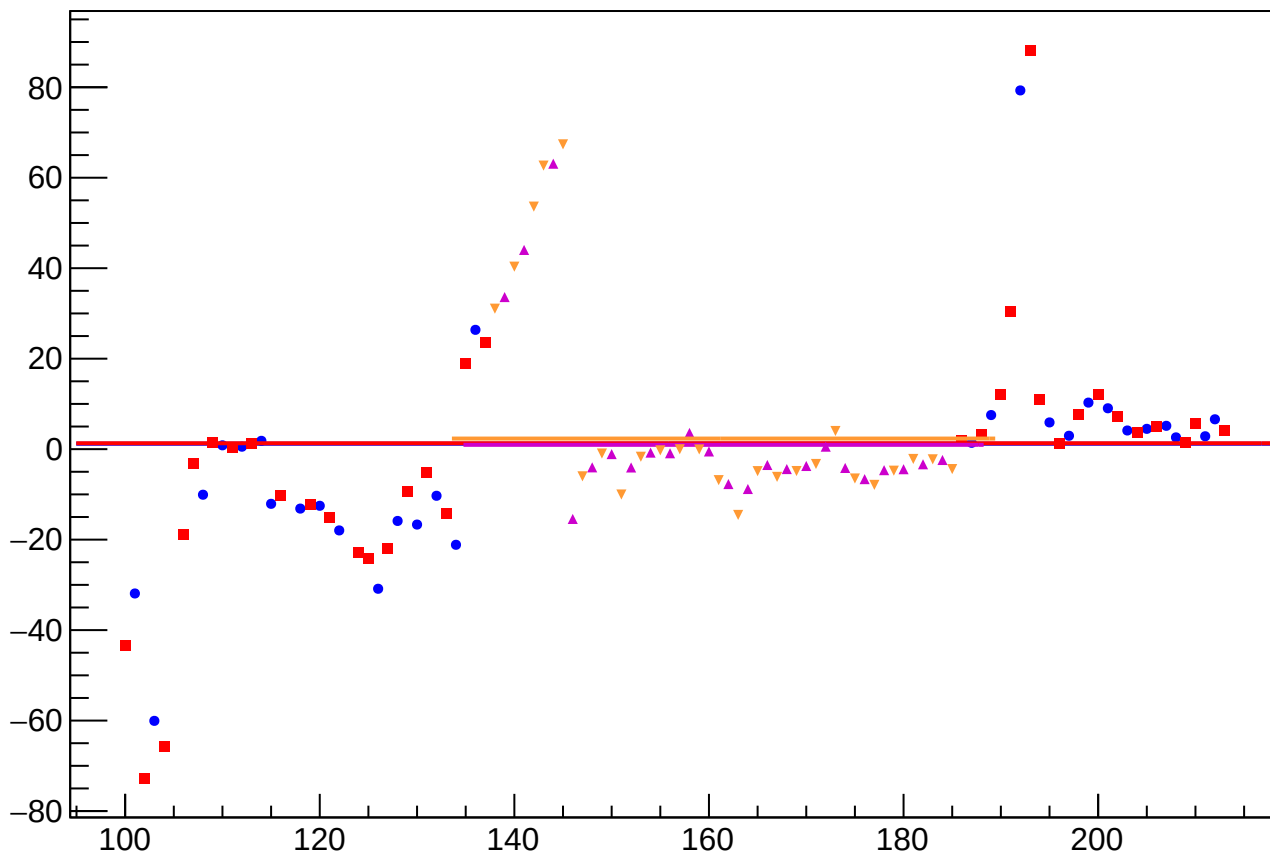
Left In: 2.694 ± 0.010 χ^2/NDF : 498824.3/22

+ sign -2.665 ± 0.008 χ^2/NDF : 2150978.1/52

All: -2.495 ± 0.006 χ^2/NDF : 4413371.3/107

- sign -2.323 ± 0.008 χ^2/NDF : 2261551.0/54

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.197 $\pm$ 0.037 χ^2 /NDF: 120756.3/28

Left Out: 2.341 $\pm$ 0.040 χ^2 /NDF:176986.1/24

Right Out: 1.304 $\pm$ 0.033 χ^2 /NDF: 121821.6/33

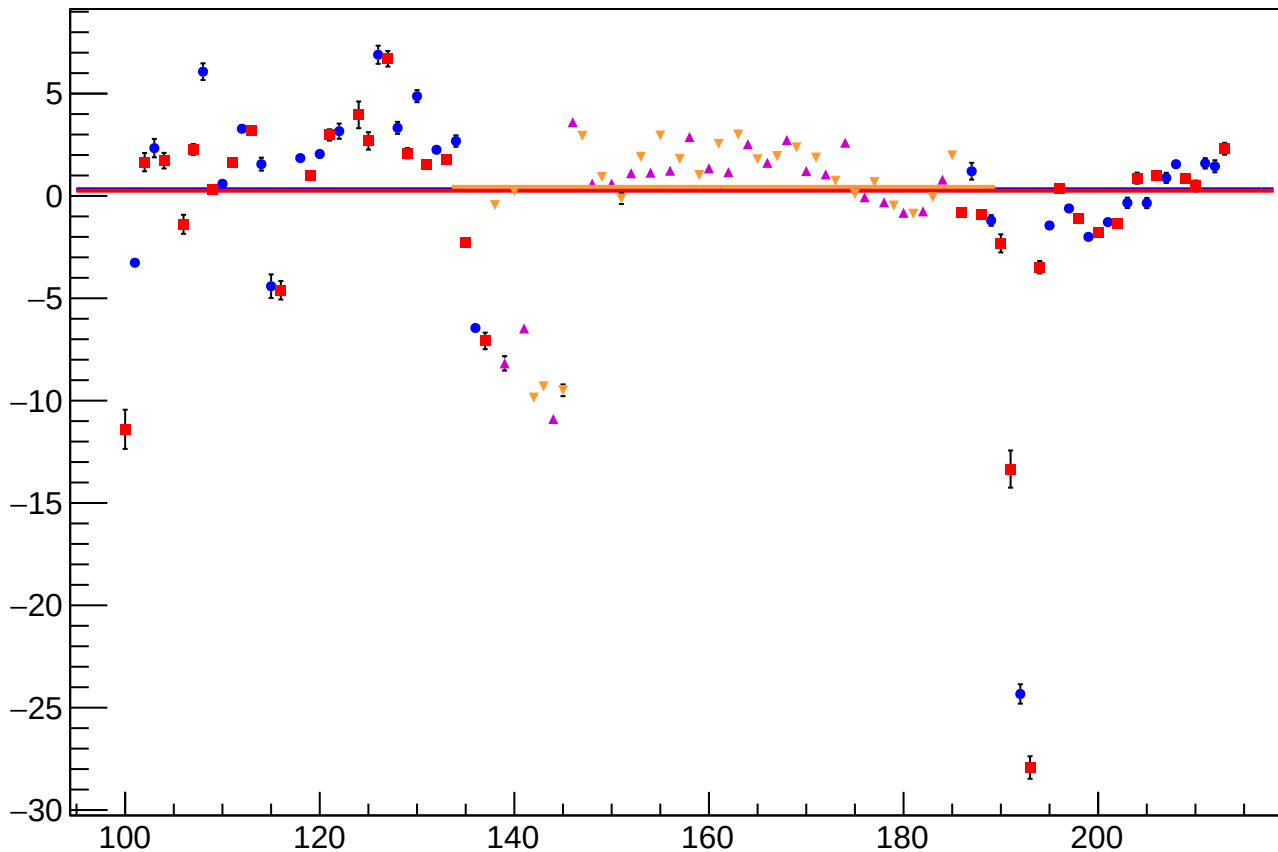
Left In: 0.957 $\pm$ 0.040 χ^2 /NDF:132519.8/22

+ sign 1.719 $\pm$ 0.027 χ^2 /NDF: 298181.6/53

All: 1.422 $\pm$ 0.019 χ^2 /NDF: 552791.0/110

- sign 1.165 $\pm$ 0.025 χ^2 /NDF: 254386.7/56

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.326 ± 0.045 $\chi^2/\text{NDF}: 5904.4/28$

Left Out: 0.446 ± 0.033 $\chi^2/\text{NDF}: 7044.3/24$

Right Out: 0.257 ± 0.043 $\chi^2/\text{NDF}: 5152.0/33$

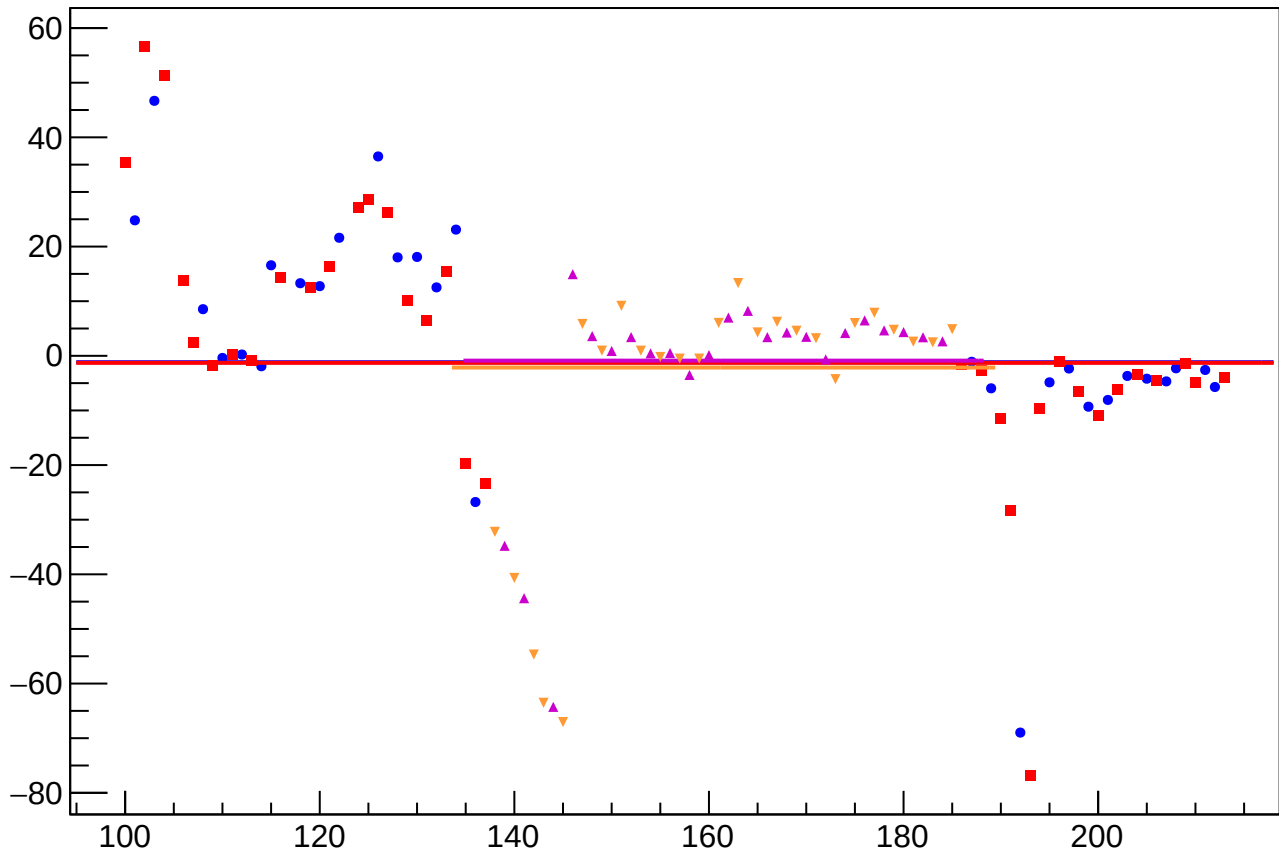
Left In: 0.427 ± 0.031 $\chi^2/\text{NDF}: 7102.3/22$

+ sign 0.405 ± 0.027 $\chi^2/\text{NDF}: 12953.3/53$

All: 0.385 ± 0.018 $\chi^2/\text{NDF}: 25218.9/110$

- sign 0.368 ± 0.025 $\chi^2/\text{NDF}: 12264.6/56$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.172 ± 0.038 $\chi^2/\text{NDF}: 119196.2/28$

Left Out: -2.143 ± 0.040 $\chi^2/\text{NDF}: 171271.2/24$

Right Out: -1.279 ± 0.035 $\chi^2/\text{NDF}: 119827.7/33$

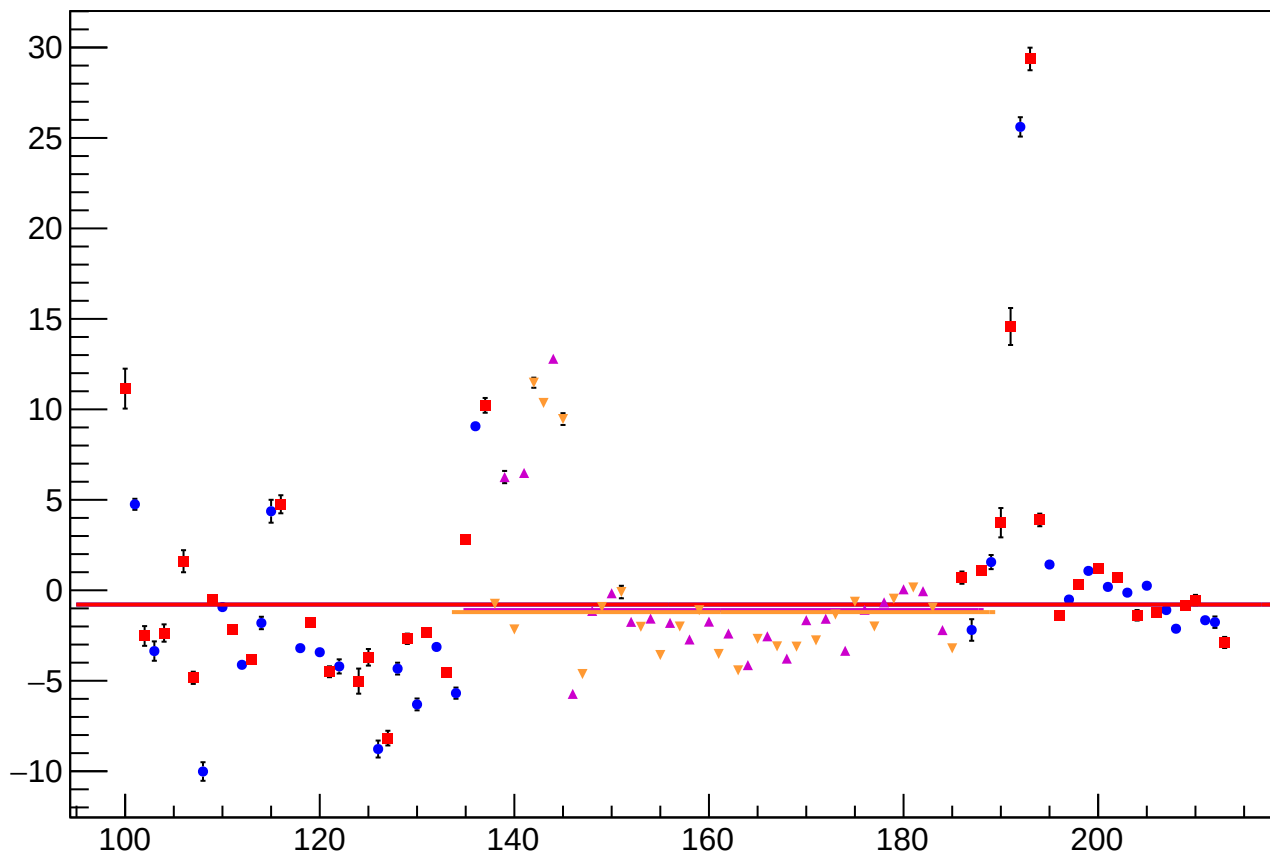
Left In: -0.881 ± 0.039 $\chi^2/\text{NDF}: 129197.8/22$

+ sign -1.628 ± 0.028 $\chi^2/\text{NDF}: 290775.8/53$

All: -1.351 ± 0.019 $\chi^2/\text{NDF}: 540049.1/110$

- sign -1.106 ± 0.026 $\chi^2/\text{NDF}: 249083.3/56$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.788 ± 0.052 χ^2/NDF : 7374.0/28

Left Out: -1.206 ± 0.036 χ^2/NDF : 7003.0/24

Right Out: -0.788 ± 0.049 χ^2/NDF : 5659.7/33

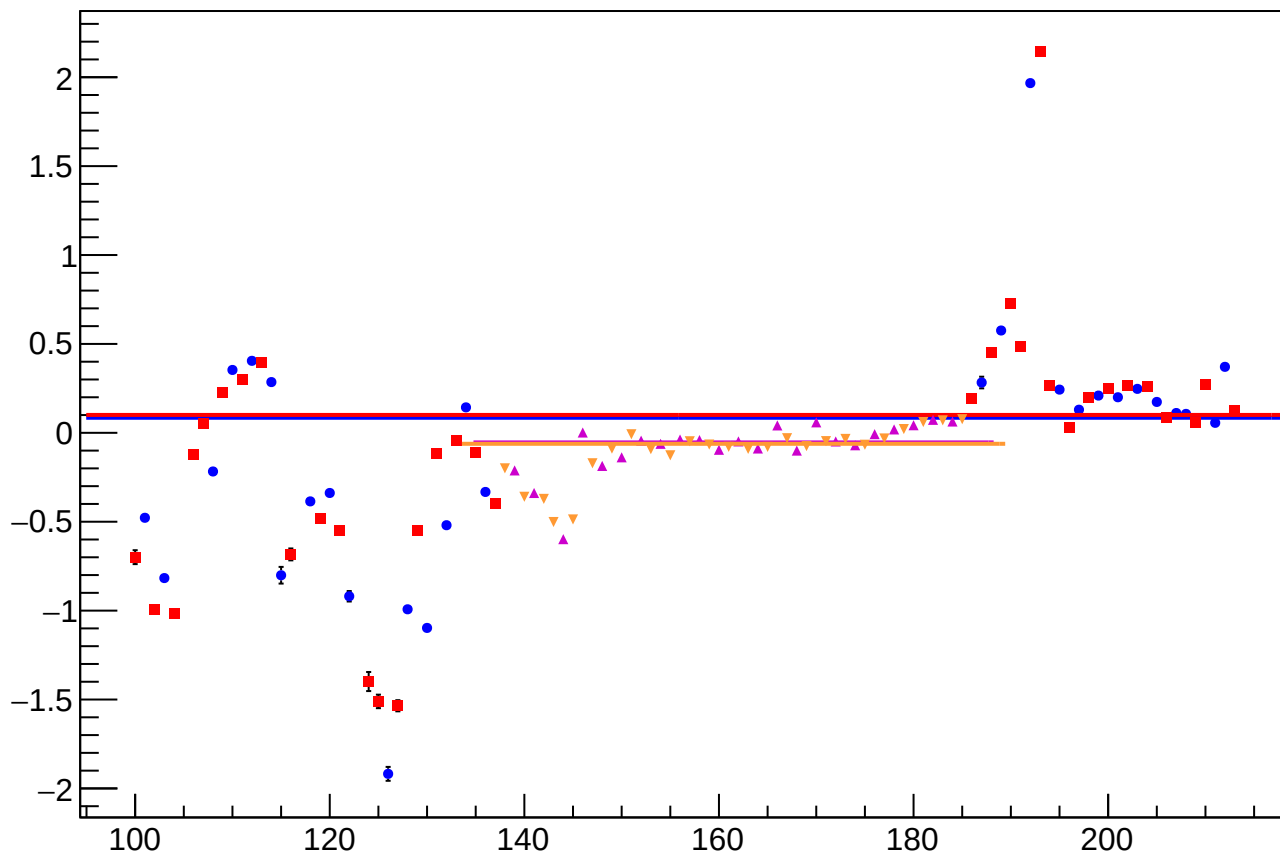
Left In: -1.094 ± 0.035 χ^2/NDF : 7029.2/22

+ sign -1.069 ± 0.030 χ^2/NDF : 14420.4/53

All: -1.029 ± 0.021 χ^2/NDF : 27138.3/110

- sign -0.992 ± 0.028 χ^2/NDF : 12714.3/56

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.085 $\pm$ 0.002 χ^2 /NDF: 34419.4/28

Left Out: -0.062 $\pm$ 0.002 χ^2 /NDF: 5711.9/24

Right Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 34838.6/33

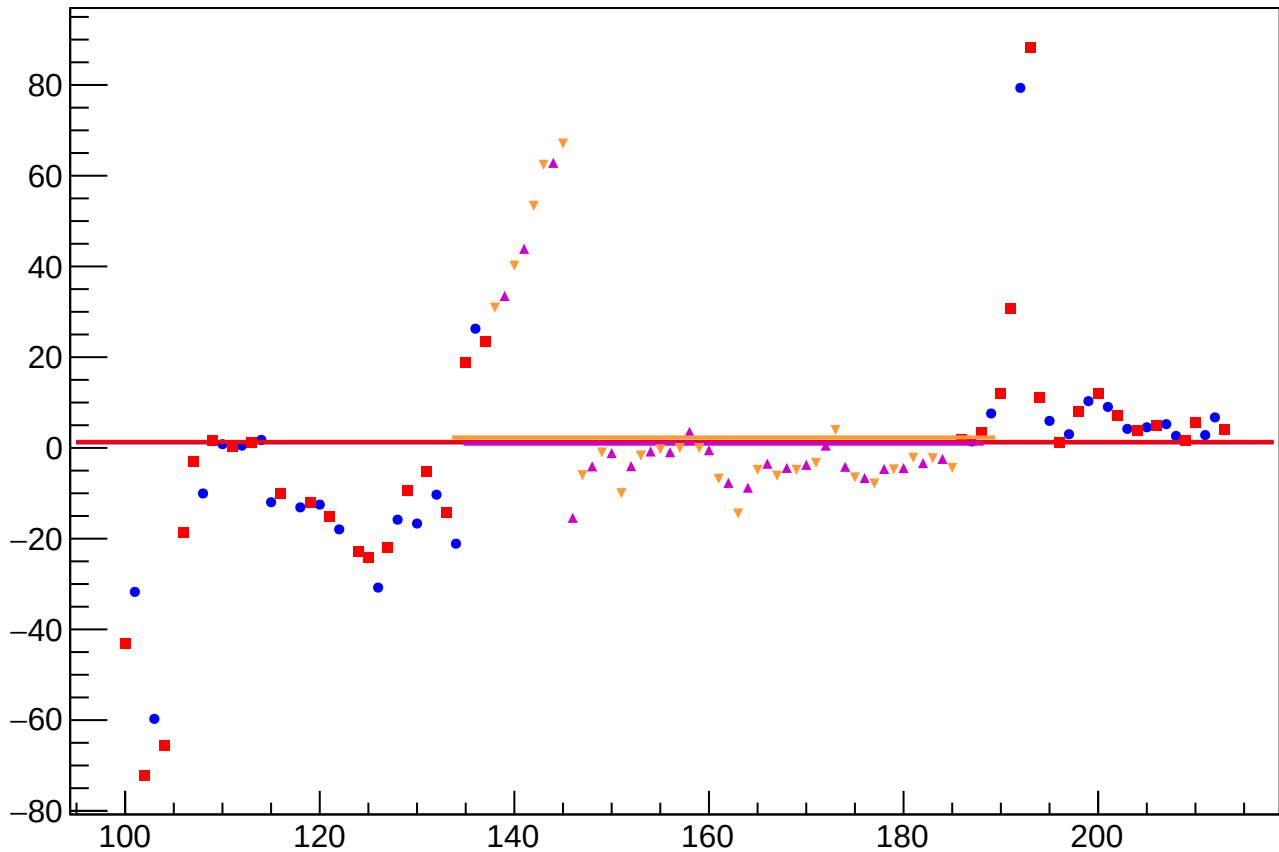
Left In: -0.054 $\pm$ 0.001 χ^2 /NDF: 5029.9/22

+ sign -0.015 $\pm$ 0.001 χ^2 /NDF: 42859.1/53

All: -0.011 $\pm$ 0.001 χ^2 /NDF: 86025.5/110

- sign -0.007 $\pm$ 0.001 χ^2 /NDF: 43145.2/56

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.216 $\pm$ 0.037 χ^2 /NDF: 121293.0/28

Left Out: 2.318 $\pm$ 0.040 χ^2 /NDF:176746.3/24

Right Out: 1.327 $\pm$ 0.033 χ^2 /NDF: 122423.0/33

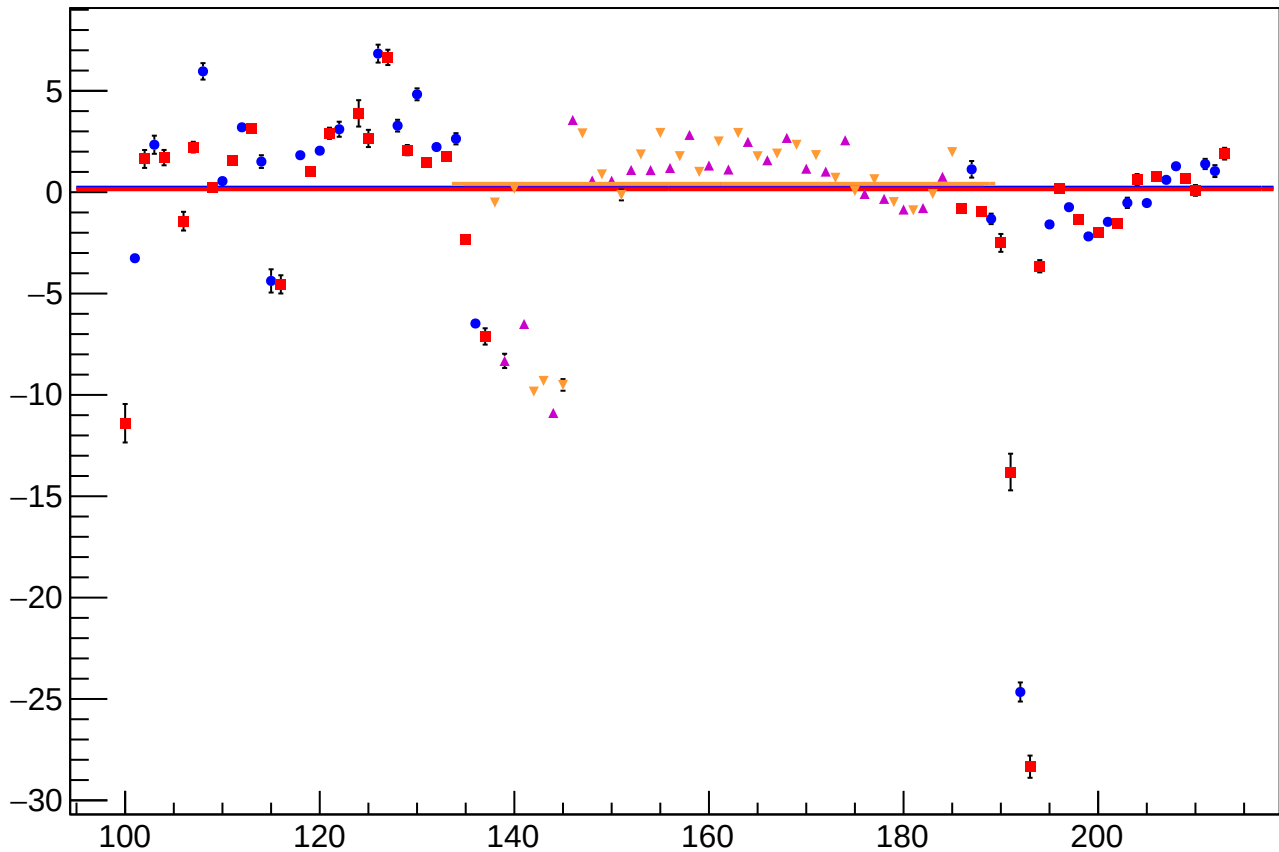
Left In: 0.935 $\pm$ 0.040 χ^2 /NDF:132405.3/22

+ sign 1.718 $\pm$ 0.027 χ^2 /NDF: 298450.0/53

All: 1.424 $\pm$ 0.018 χ^2 /NDF: 553555.6/110

- sign 1.170 $\pm$ 0.025 χ^2 /NDF: 254886.4/56

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.223 ± 0.045 χ^2/NDF : 6018.1/28

Left Out: 0.414 ± 0.033 χ^2/NDF : 7047.2/24

Right Out: 0.145 ± 0.043 χ^2/NDF : 5298.8/33

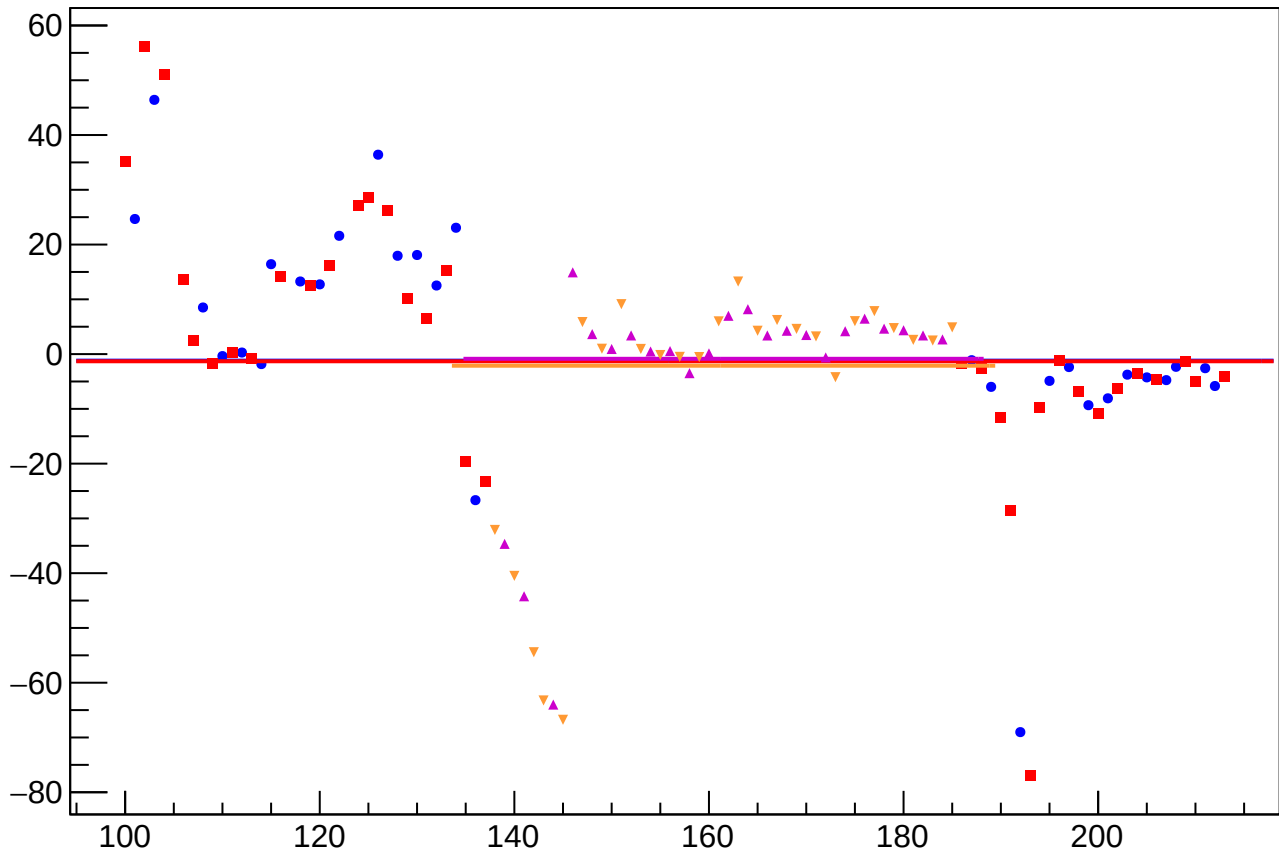
Left In: 0.389 ± 0.031 χ^2/NDF : 7114.2/22

+ sign 0.348 ± 0.026 χ^2/NDF : 13077.1/53

All: 0.324 ± 0.018 χ^2/NDF : 25513.0/110

- sign 0.303 ± 0.025 χ^2/NDF : 12434.4/56

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.196 ± 0.038 χ^2/NDF : 119690.0/28

Left Out: -2.119 ± 0.040 χ^2/NDF : 171039.7/24

Right Out: -1.308 ± 0.034 χ^2/NDF : 120390.2/33

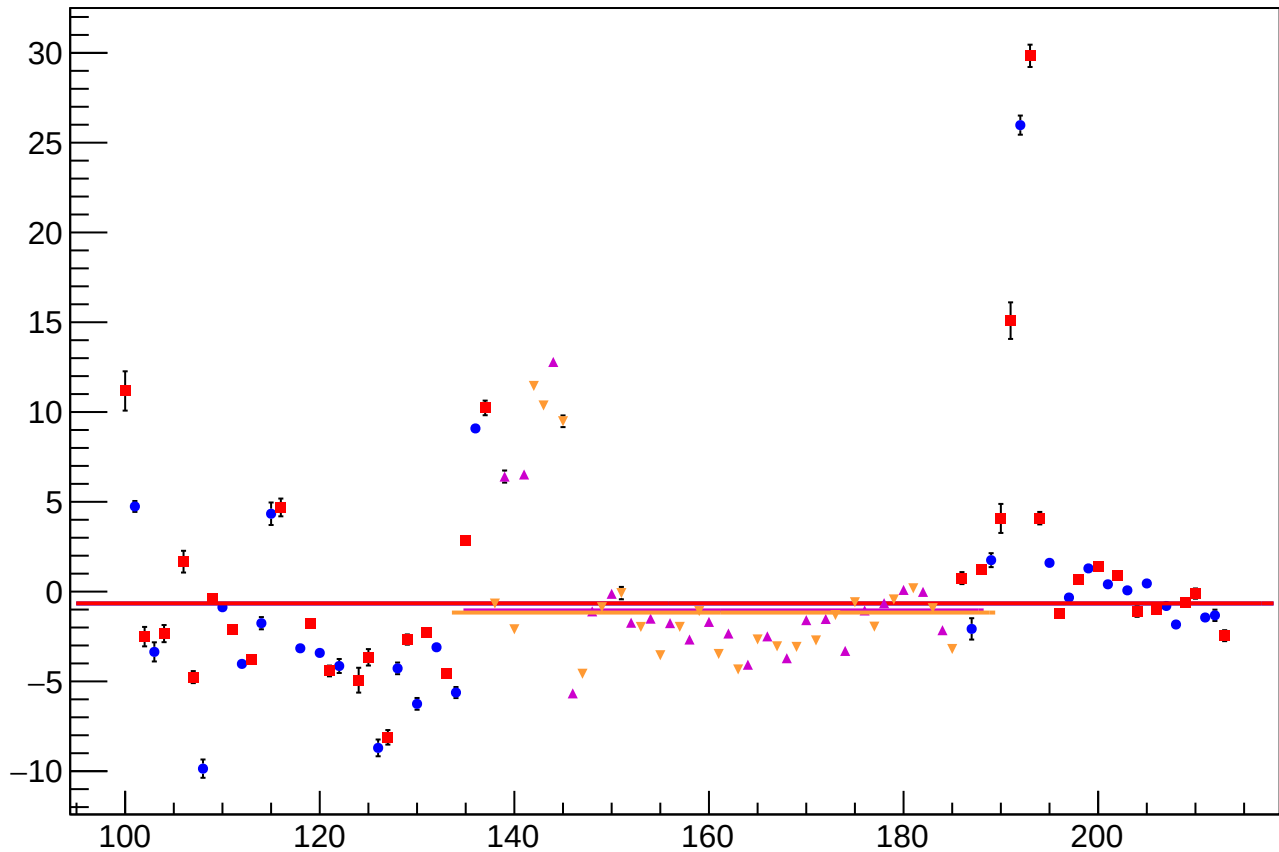
Left In: -0.859 ± 0.039 χ^2/NDF : 129084.9/22

+ sign -1.630 ± 0.027 χ^2/NDF : 291010.5/53

All: -1.355 ± 0.019 χ^2/NDF : 540747.4/110

- sign -1.114 ± 0.026 χ^2/NDF : 249549.6/56

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.663 ± 0.052 χ^2/NDF : 7474.9/28

Left Out: -1.167 ± 0.036 χ^2/NDF : 7001.4/24

Right Out: -0.654 ± 0.049 χ^2/NDF : 5805.0/33

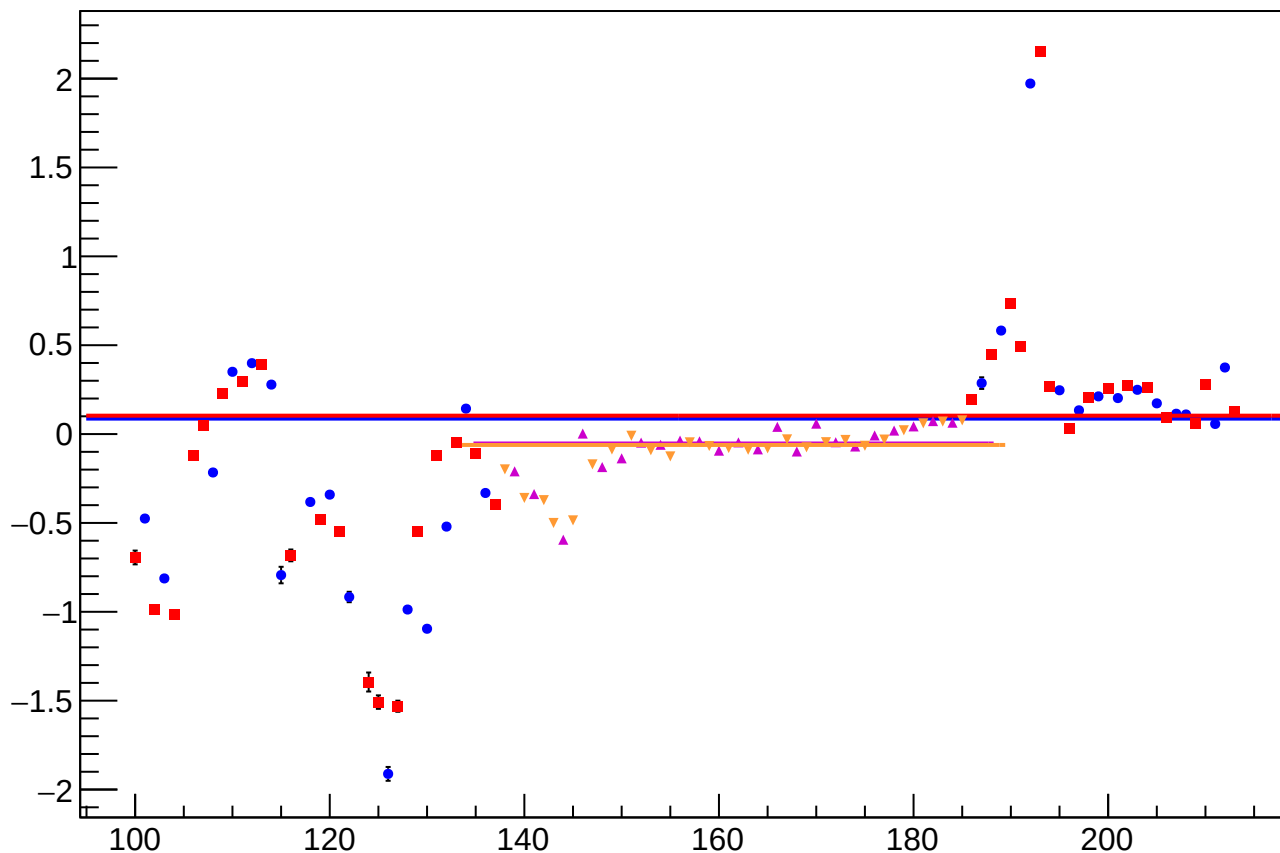
Left In: -1.048 ± 0.035 χ^2/NDF : 7040.7/22

+ sign -1.002 ± 0.030 χ^2/NDF : 14539.9/53

All: -0.957 ± 0.020 χ^2/NDF : 27433.1/110

- sign -0.917 ± 0.028 χ^2/NDF : 12888.8/56

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.087 ± 0.002 χ^2/NDF : 34696.7/28

Left Out: -0.061 ± 0.002 χ^2/NDF : 5729.4/24

Right Out: 0.104 ± 0.002 χ^2/NDF : 35153.3/33

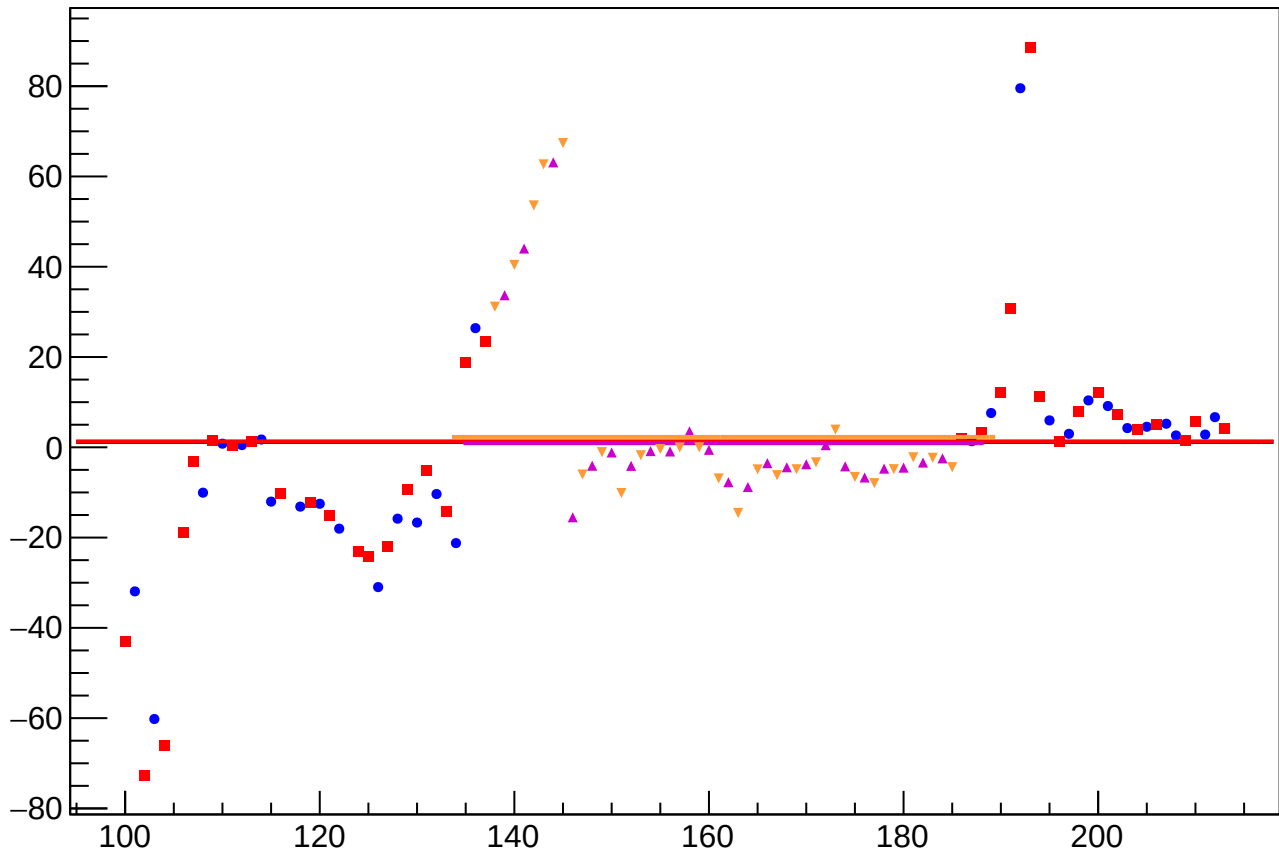
Left In: -0.053 ± 0.001 χ^2/NDF : 5006.2/22

+ sign -0.014 ± 0.001 χ^2/NDF : 43243.6/53

All: -0.009 ± 0.001 χ^2/NDF : 86819.2/110

- sign -0.005 ± 0.001 χ^2/NDF : 43551.9/56

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.187 ± 0.037 χ^2/NDF : 121319.7/28

Left Out: 2.296 ± 0.040 χ^2/NDF : 177186.2/24

Right Out: 1.300 ± 0.033 χ^2/NDF : 122423.6/33

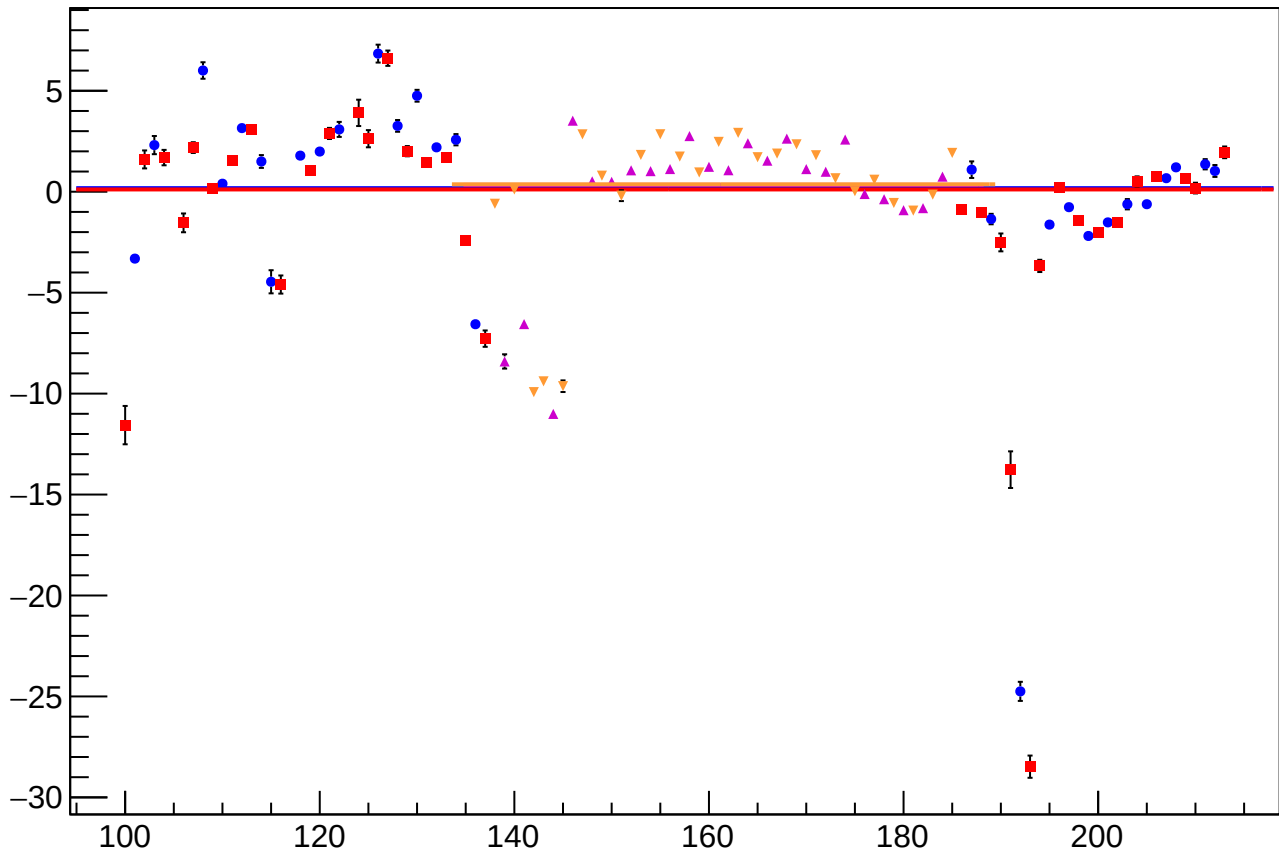
Left In: 0.912 ± 0.040 χ^2/NDF : 132573.8/22

+ sign 1.693 ± 0.027 χ^2/NDF : 298917.6/53

All: 1.399 ± 0.019 χ^2/NDF : 554189.1/110

- sign 1.144 ± 0.025 χ^2/NDF : 255053.7/56

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.177 $\pm$ 0.045 χ^2 /NDF: 6005.3/28

Left Out: 0.368 $\pm$ 0.033 χ^2 /NDF: 7068.0/24

Right Out: 0.113 $\pm$ 0.043 χ^2 /NDF: 5296.3/33

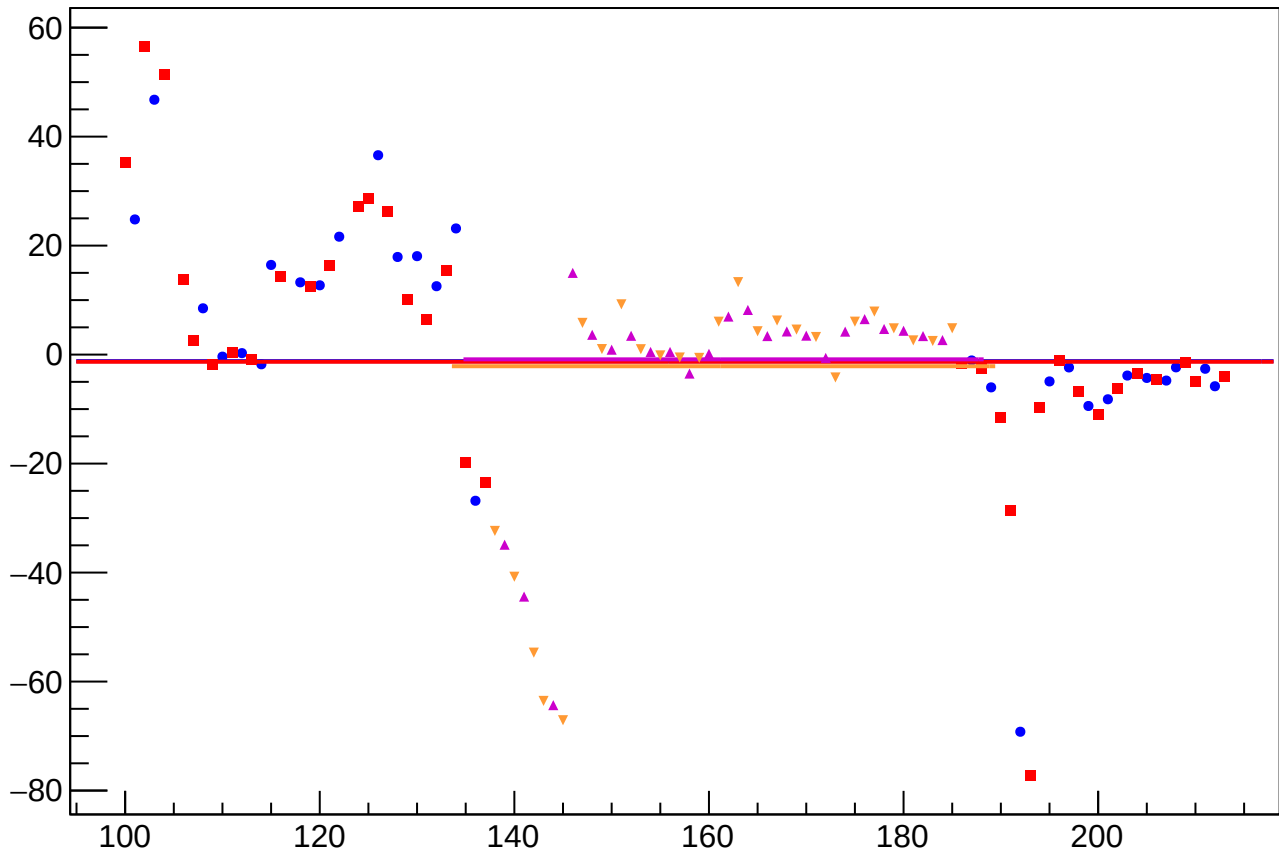
Left In: 0.337 $\pm$ 0.031 χ^2 /NDF: 7094.3/22

+ sign 0.302 $\pm$ 0.027 χ^2 /NDF: 13084.8/53

All: 0.279 $\pm$ 0.018 χ^2 /NDF: 25494.6/110

- sign 0.258 $\pm$ 0.025 χ^2 /NDF: 12408.4/56

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.199 ± 0.038 χ^2/NDF : 119734.1/28

Left Out: -2.133 ± 0.040 χ^2/NDF : 171466.8/24

Right Out: -1.310 ± 0.034 χ^2/NDF : 120422.6/33

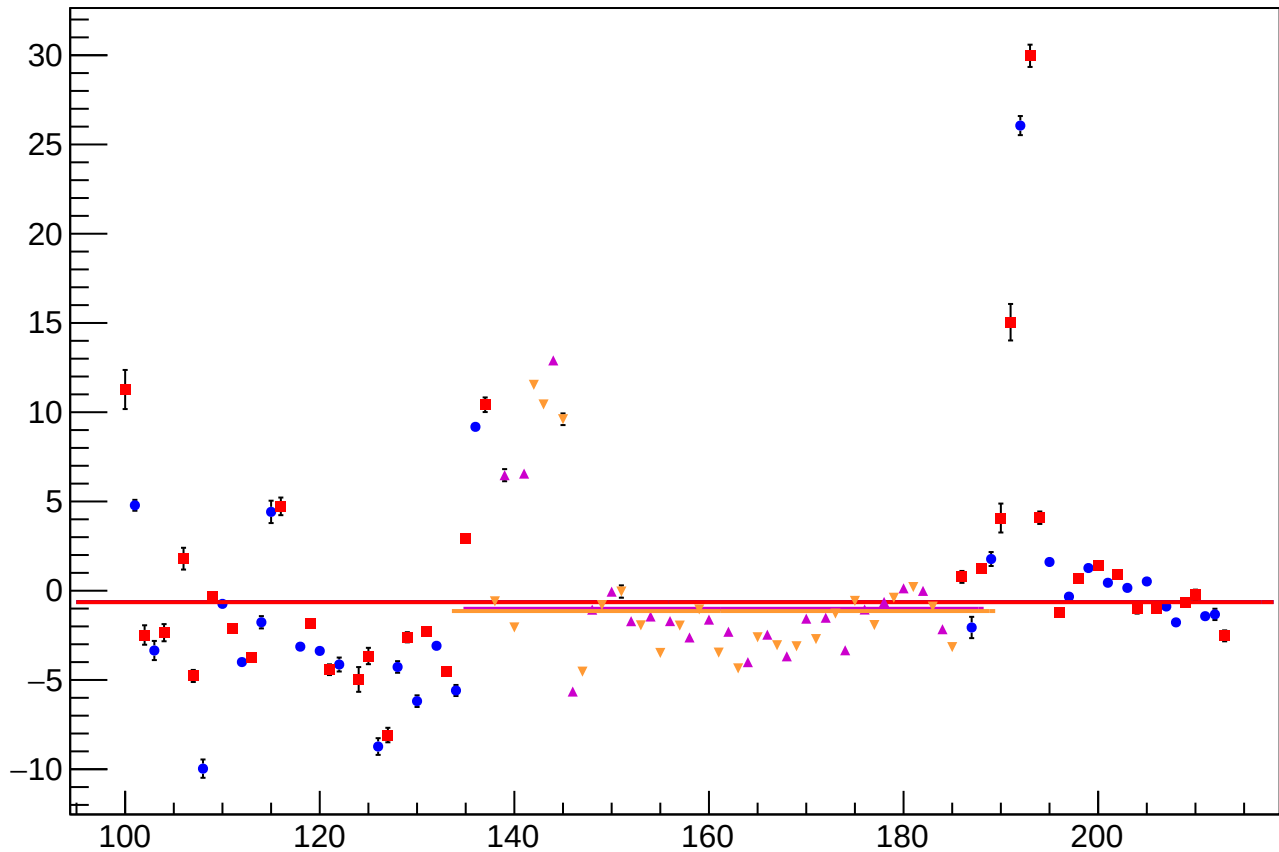
Left In: -0.871 ± 0.039 χ^2/NDF : 129263.4/22

+ sign -1.638 ± 0.028 χ^2/NDF : 291485.8/53

All: -1.363 ± 0.019 χ^2/NDF : 541429.0/110

- sign -1.120 ± 0.026 χ^2/NDF : 249756.3/56

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.634 ± 0.052 χ^2/NDF : 7469.5/28

Left Out: -1.140 ± 0.036 χ^2/NDF : 7022.9/24

Right Out: -0.641 ± 0.049 χ^2/NDF : 5811.6/33

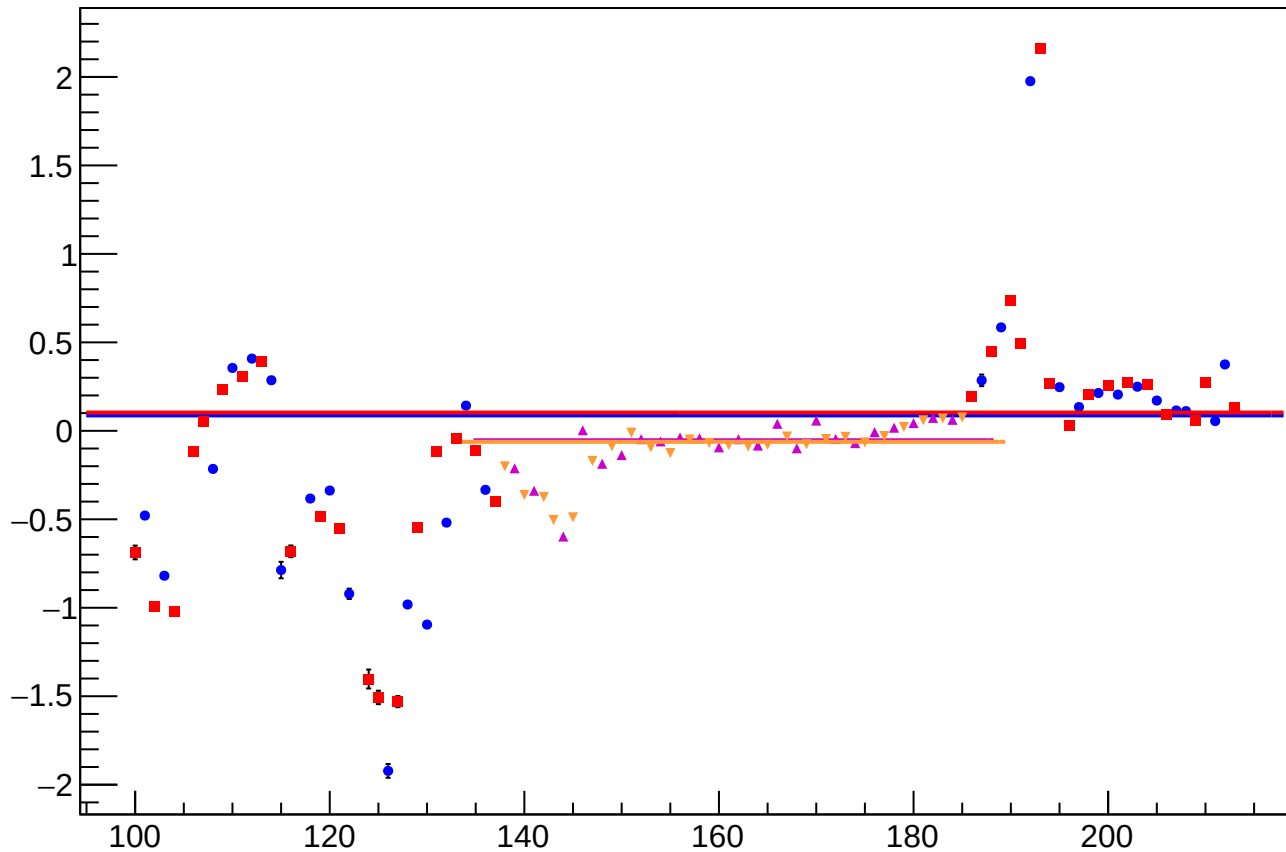
Left In: -1.013 ± 0.035 χ^2/NDF : 7027.2/22

+ sign -0.974 ± 0.030 χ^2/NDF : 14555.8/53

All: -0.930 ± 0.021 χ^2/NDF : 27436.9/110

- sign -0.889 ± 0.028 χ^2/NDF : 12876.8/56

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.087 ± 0.002 χ^2/NDF : 34687.9/28

Left Out: -0.062 ± 0.002 χ^2/NDF : 5736.1/24

Right Out: 0.103 ± 0.002 χ^2/NDF : 35108.7/33

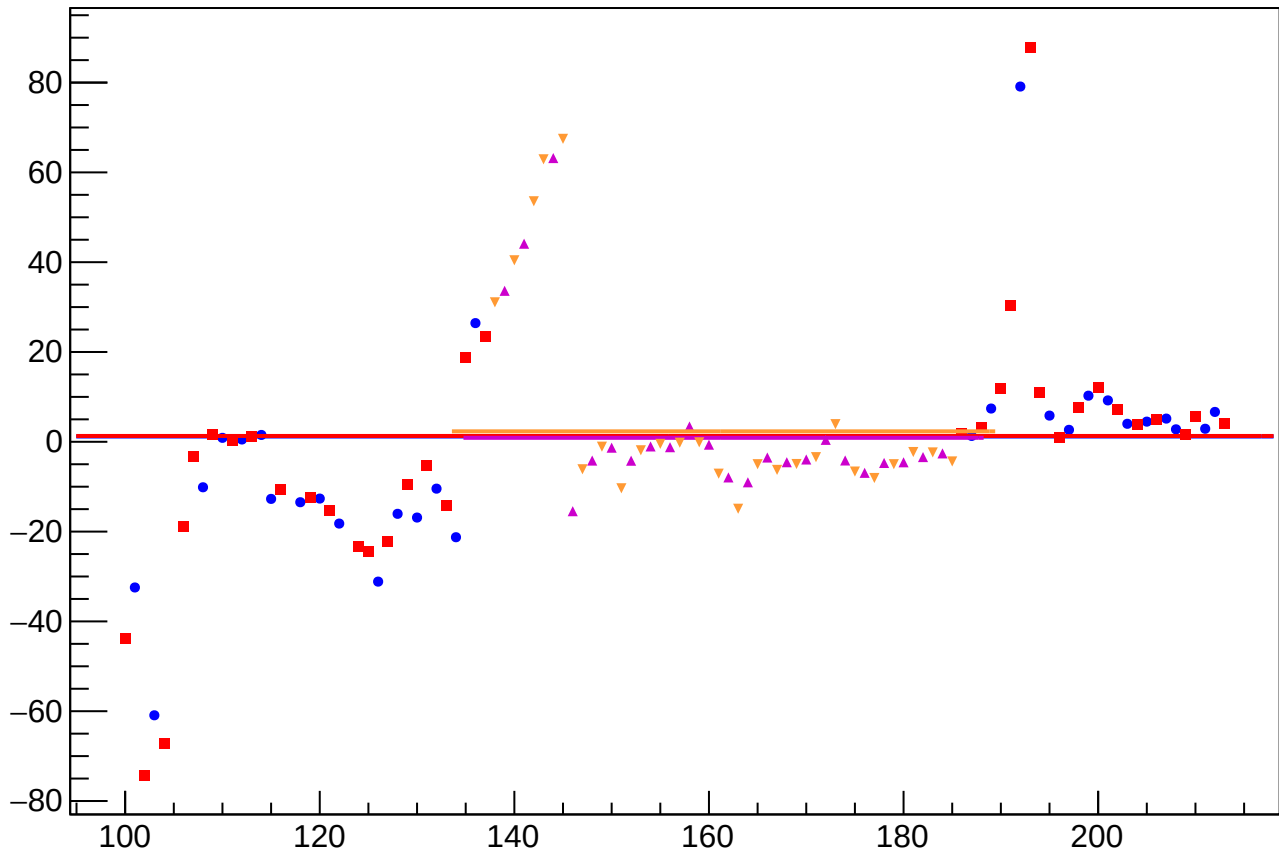
Left In: -0.053 ± 0.001 χ^2/NDF : 4993.7/22

+ sign -0.014 ± 0.001 χ^2/NDF : 43249.3/53

All: -0.010 ± 0.001 χ^2/NDF : 86740.9/110

- sign -0.005 ± 0.001 χ^2/NDF : 43465.9/56

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.180 ± 0.037 $\chi^2/\text{NDF}: 119461.6/28$

Left Out: 2.329 ± 0.041 $\chi^2/\text{NDF}: 174647.6/24$

Right Out: 1.298 ± 0.033 $\chi^2/\text{NDF}: 120781.7/33$

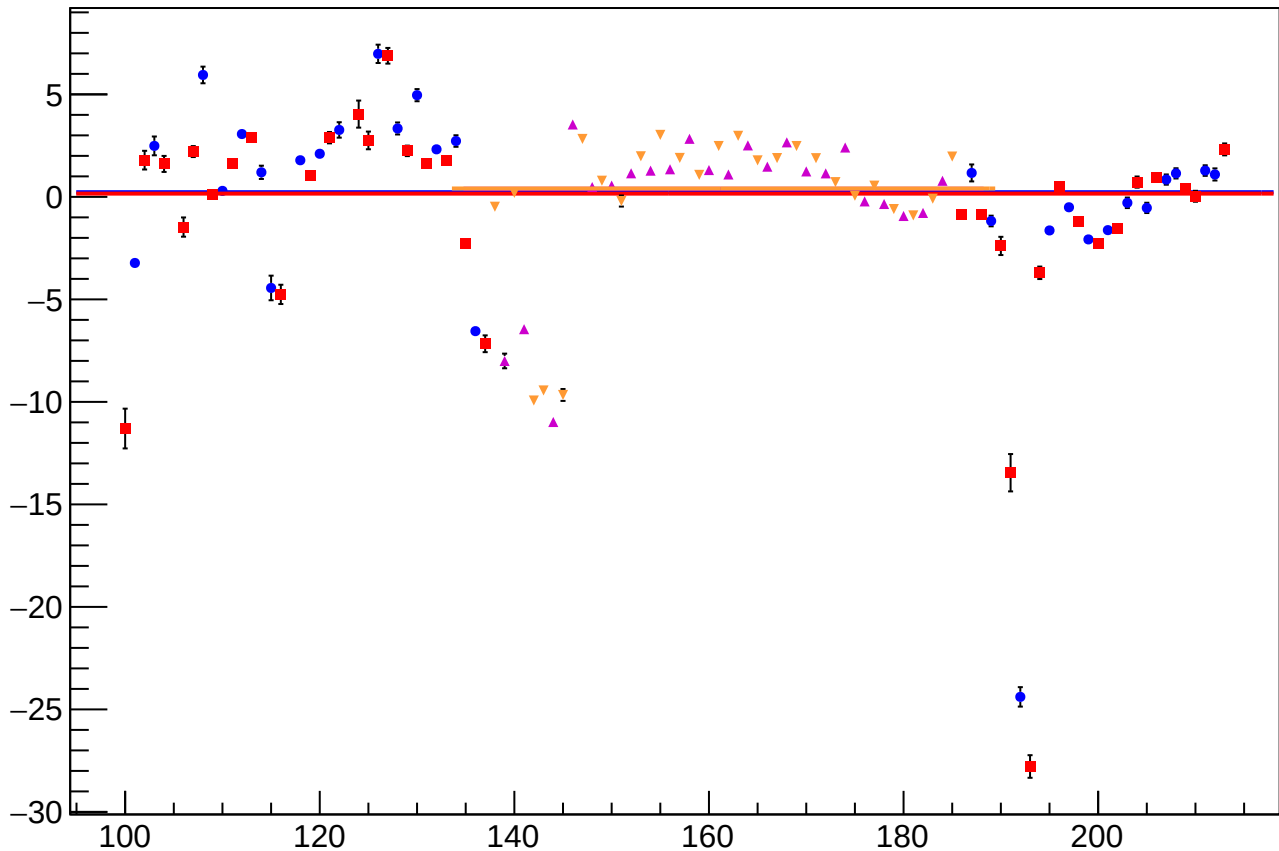
Left In: 0.887 ± 0.041 $\chi^2/\text{NDF}: 130417.3/22$

+ sign 1.700 ± 0.028 $\chi^2/\text{NDF}: 294537.0/53$

All: 1.397 ± 0.019 $\chi^2/\text{NDF}: 546021.9/110$

- sign 1.134 ± 0.026 $\chi^2/\text{NDF}: 251260.1/56$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.229 ± 0.046 $\chi^2/\text{NDF}: 5837.6/28$

Left Out: 0.410 ± 0.033 $\chi^2/\text{NDF}: 7047.9/24$

Right Out: 0.159 ± 0.043 $\chi^2/\text{NDF}: 5115.6/33$

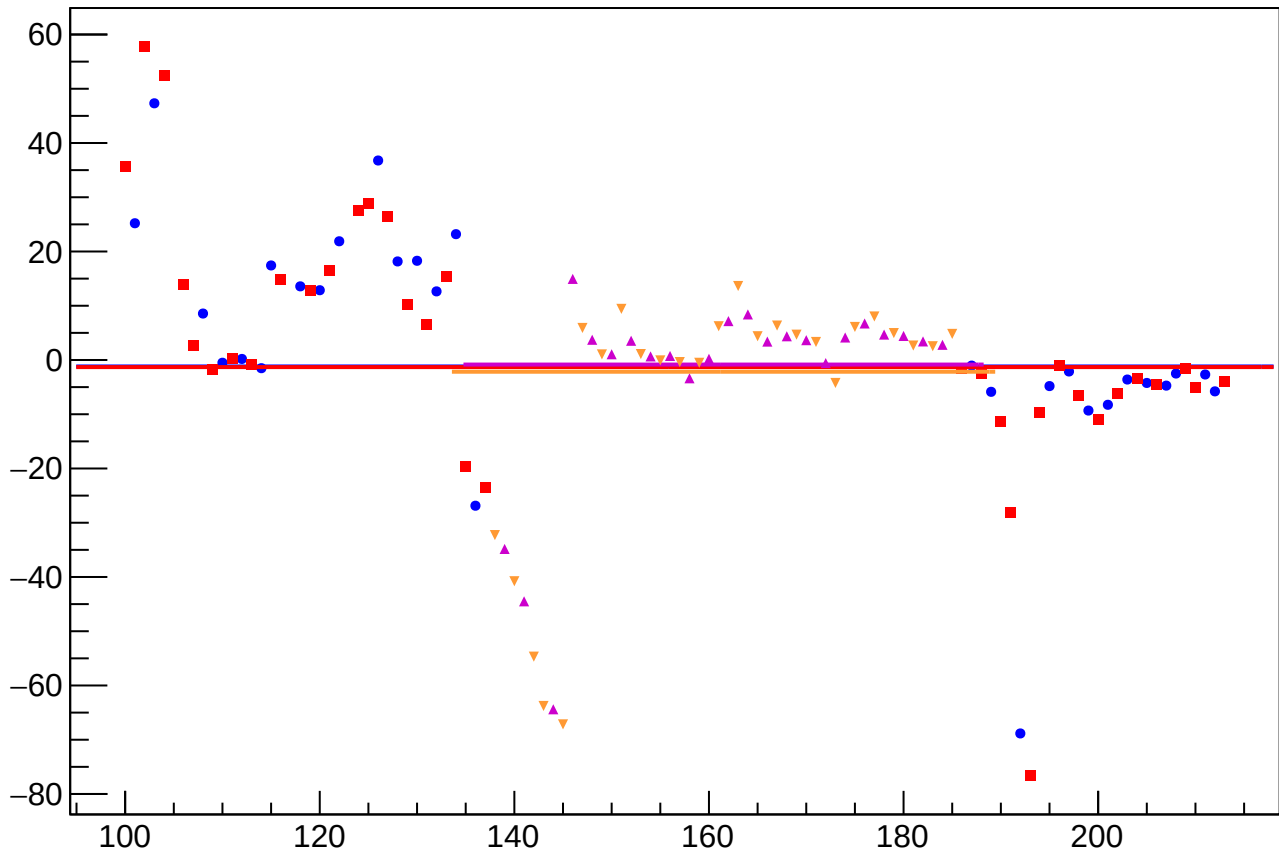
Left In: 0.396 ± 0.032 $\chi^2/\text{NDF}: 6932.0/22$

+ sign 0.347 ± 0.027 $\chi^2/\text{NDF}: 12895.7/53$

All: 0.329 ± 0.019 $\chi^2/\text{NDF}: 24963.5/110$

- sign 0.312 ± 0.026 $\chi^2/\text{NDF}: 12067.0/56$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.194 ± 0.038 $\chi^2/\text{NDF}: 117914.7/28$

Left Out: -2.163 ± 0.041 $\chi^2/\text{NDF}: 168990.2/24$

Right Out: -1.310 ± 0.035 $\chi^2/\text{NDF}: 118791.9/33$

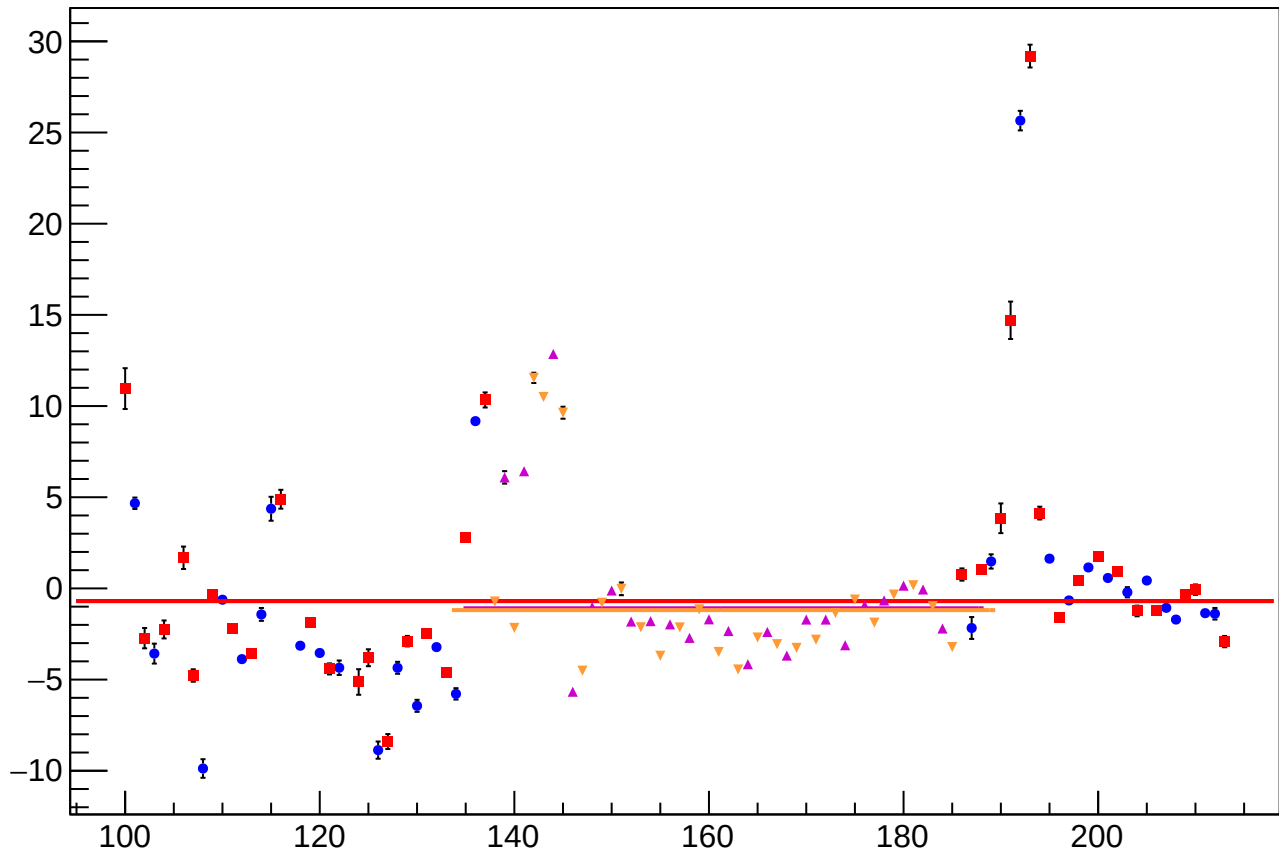
Left In: -0.843 ± 0.040 $\chi^2/\text{NDF}: 127135.3/22$

+ sign -1.646 ± 0.028 $\chi^2/\text{NDF}: 287202.3/53$

All: -1.361 ± 0.019 $\chi^2/\text{NDF}: 533401.5/110$

- sign -1.109 ± 0.026 $\chi^2/\text{NDF}: 246004.3/56$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.693 ± 0.053 χ^2/NDF : 7301.2/28

Left Out: -1.190 ± 0.037 χ^2/NDF : 6995.9/24

Right Out: -0.695 ± 0.050 χ^2/NDF : 5644.1/33

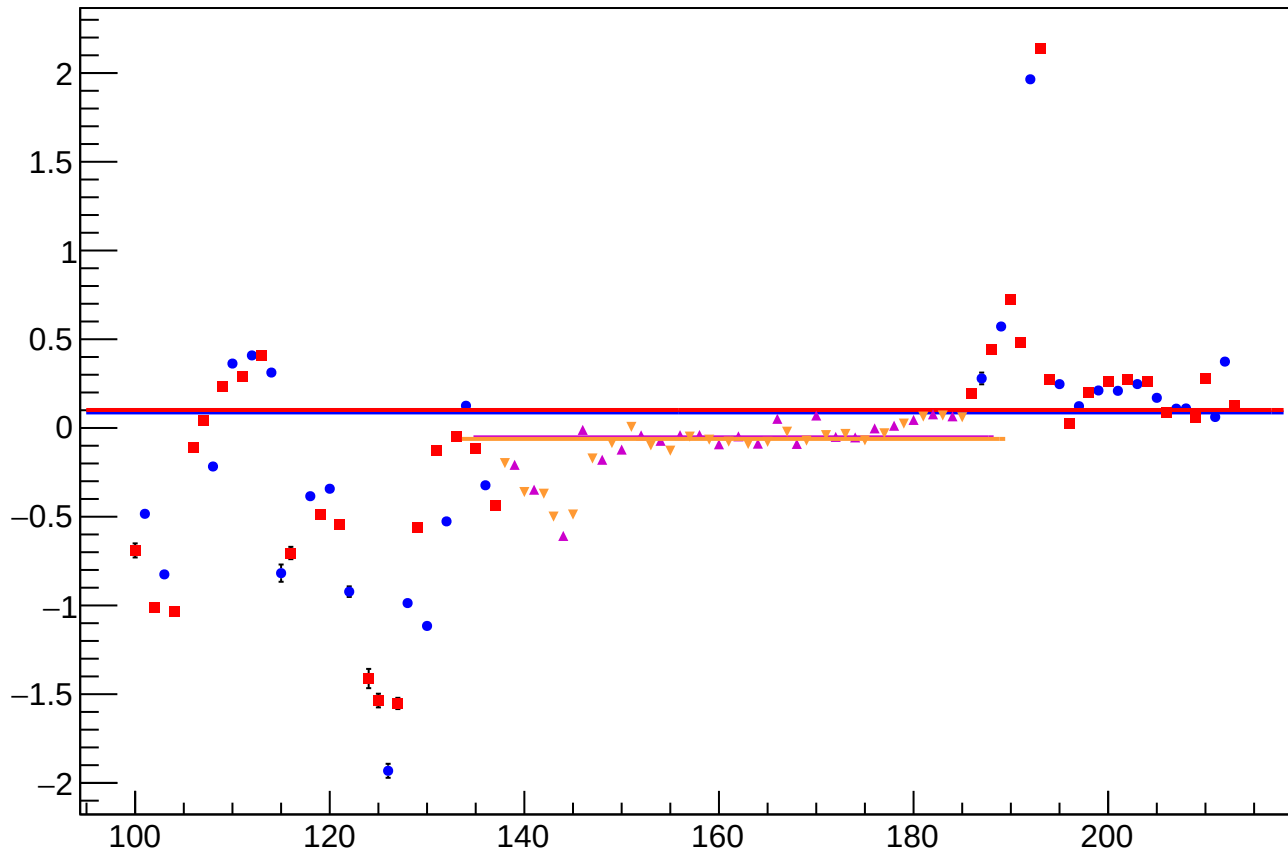
Left In: -1.089 ± 0.036 χ^2/NDF : 6840.8/22

+ sign -1.027 ± 0.030 χ^2/NDF : 14356.5/53

All: -0.990 ± 0.021 χ^2/NDF : 26885.3/110

- sign -0.957 ± 0.029 χ^2/NDF : 12526.0/56

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.088 $\pm$ 0.002 χ^2 /NDF: 33948.4/28

Left Out: -0.062 $\pm$ 0.002 χ^2 /NDF: 5563.5/24

Right Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 34679.2/33

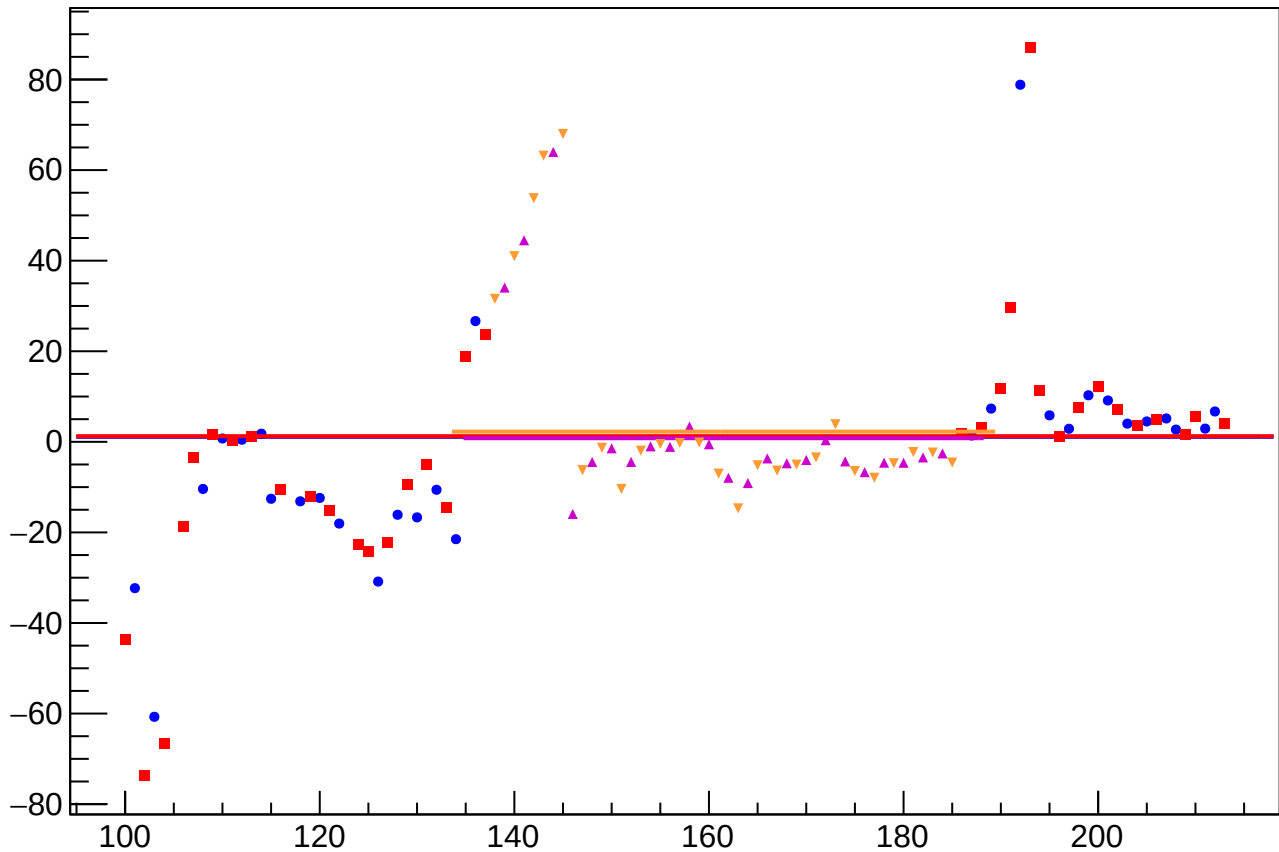
Left In: -0.053 $\pm$ 0.002 χ^2 /NDF: 5036.0/22

+ sign -0.013 $\pm$ 0.001 χ^2 /NDF: 42261.4/53

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 85168.3/110

- sign -0.005 $\pm$ 0.001 χ^2 /NDF: 42885.0/56

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.111 ± 0.038 χ^2/NDF : 117787.1/28

Left Out: 2.255 ± 0.041 χ^2/NDF : 171671.4/24

Right Out: 1.239 ± 0.034 χ^2/NDF : 118623.2/33

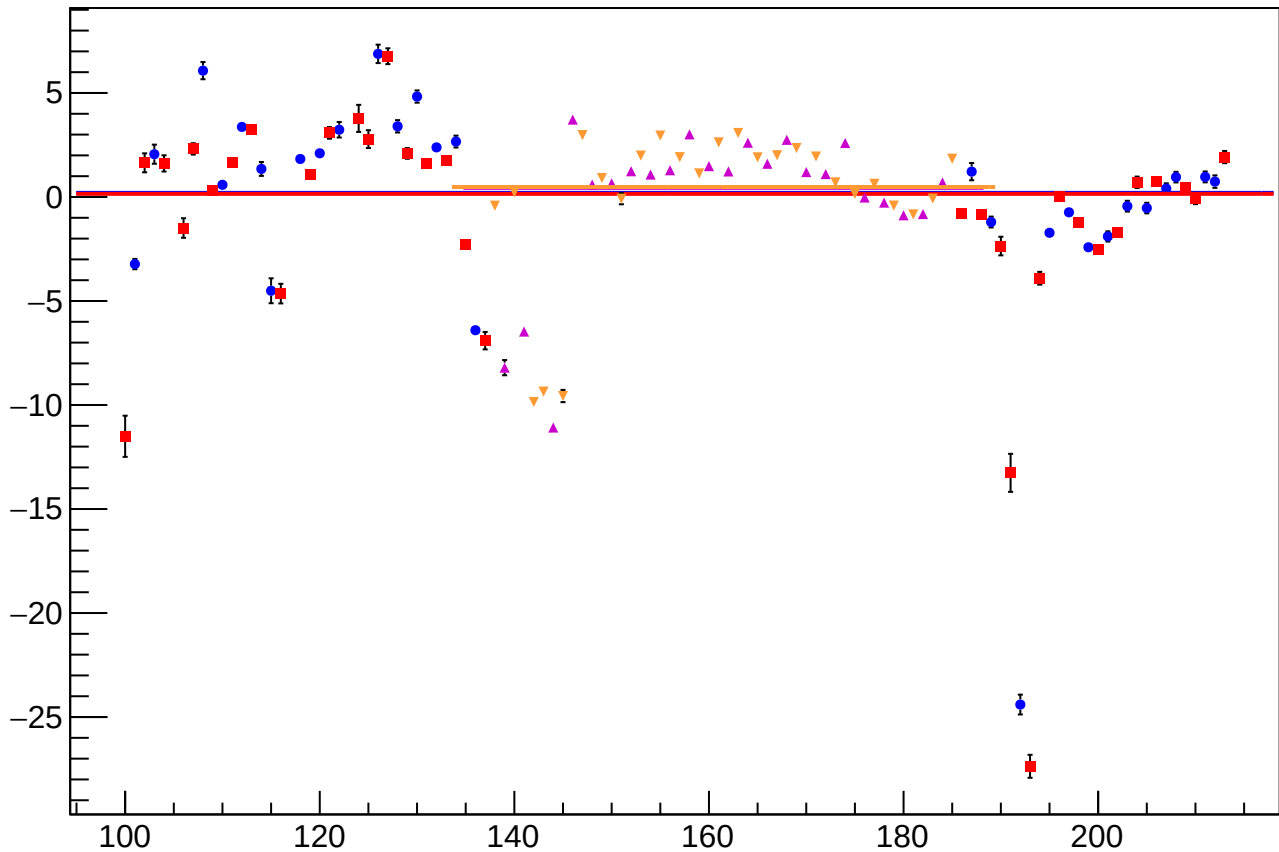
Left In: 0.794 ± 0.041 χ^2/NDF : 128828.3/22

+ sign 1.632 ± 0.028 χ^2/NDF : 289871.7/53

All: 1.326 ± 0.019 χ^2/NDF : 537616.8/110

- sign 1.059 ± 0.026 χ^2/NDF : 247521.4/56

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.198 ± 0.046 $\chi^2/\text{NDF}: 5802.0/28$

Left Out: 0.479 ± 0.034 $\chi^2/\text{NDF}: 6808.1/24$

Right Out: 0.152 ± 0.044 $\chi^2/\text{NDF}: 5012.4/33$

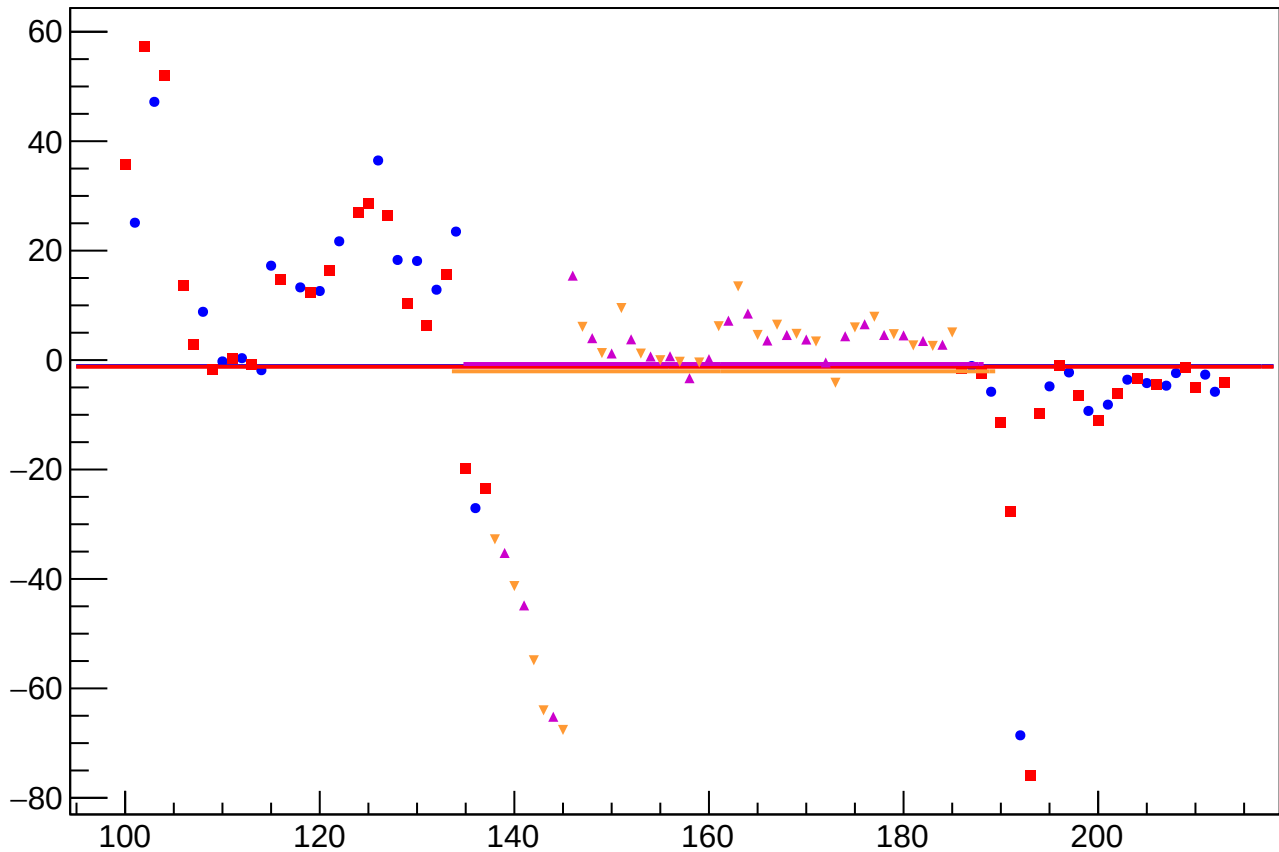
Left In: 0.440 ± 0.032 $\chi^2/\text{NDF}: 6893.7/22$

+ sign 0.381 ± 0.027 $\chi^2/\text{NDF}: 12634.0/53$

All: 0.359 ± 0.019 $\chi^2/\text{NDF}: 24569.3/110$

- sign 0.338 ± 0.026 $\chi^2/\text{NDF}: 11934.0/56$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.099 ± 0.039 χ^2/NDF : 116212.9/28

Left Out: -2.051 ± 0.041 χ^2/NDF : 166009.6/24

Right Out: -1.215 ± 0.035 χ^2/NDF : 116666.9/33

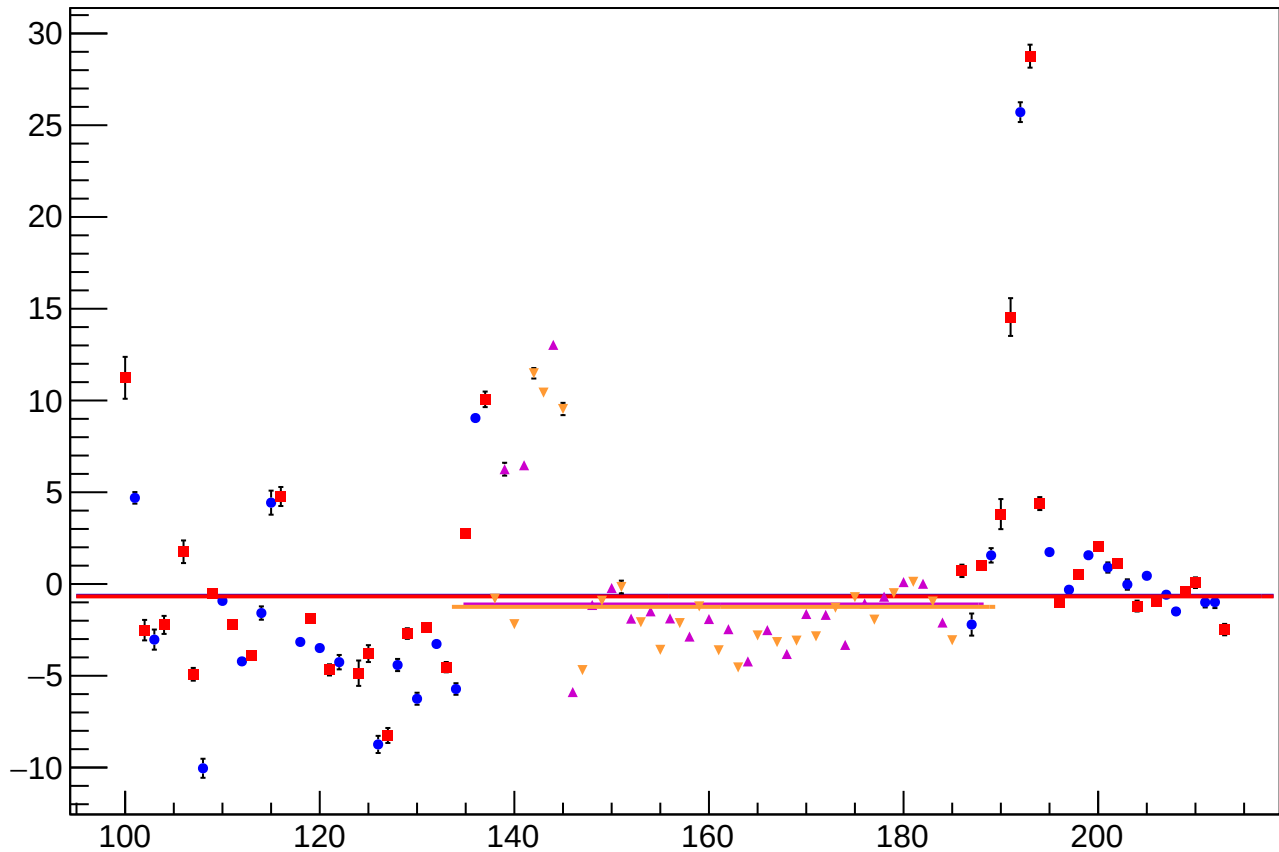
Left In: -0.720 ± 0.041 χ^2/NDF : 125531.3/22

+ sign -1.544 ± 0.028 χ^2/NDF : 282503.3/53

All: -1.256 ± 0.019 χ^2/NDF : 524980.6/110

- sign -1.002 ± 0.027 χ^2/NDF : 242282.7/56

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.642 ± 0.053 χ^2/NDF : 7182.7/28

Left Out: -1.244 ± 0.037 χ^2/NDF : 6768.7/24

Right Out: -0.675 ± 0.051 χ^2/NDF : 5497.5/33

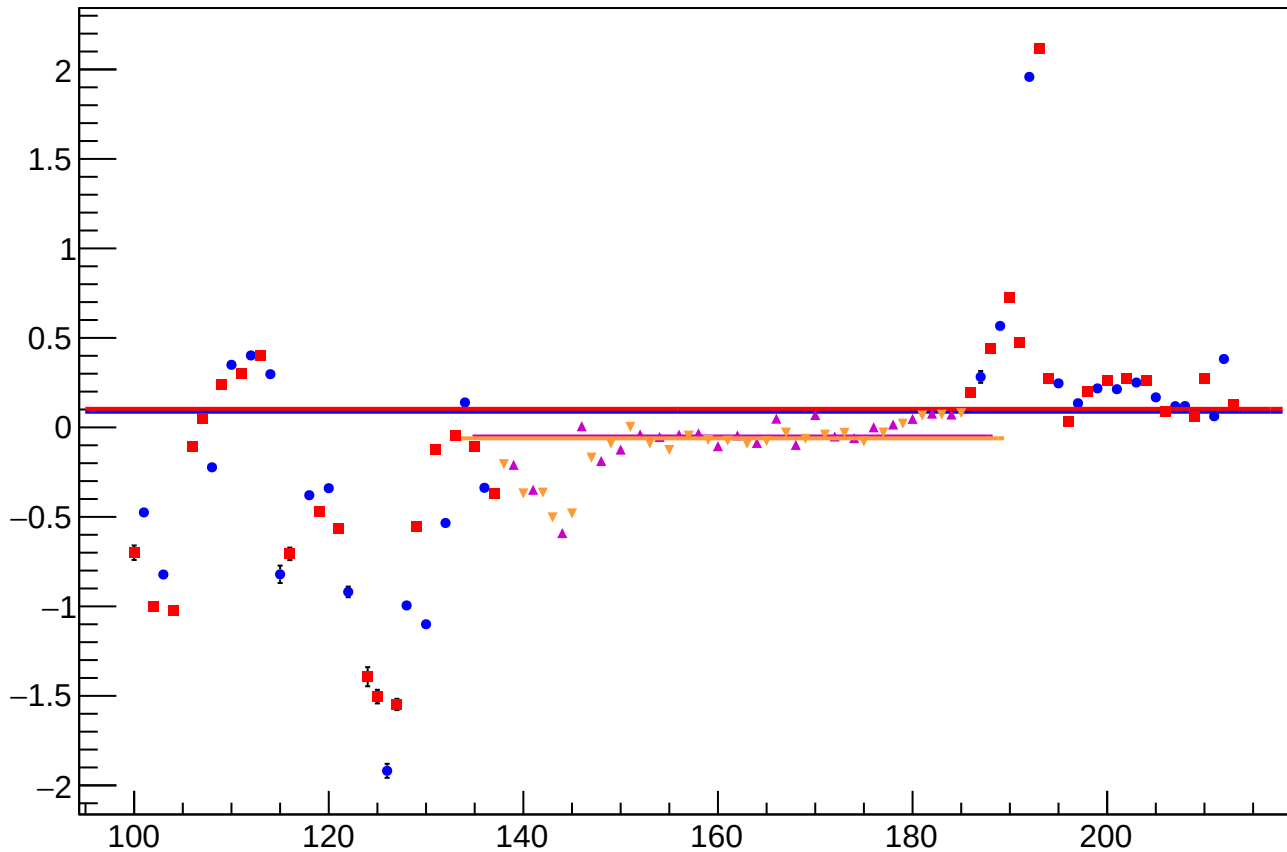
Left In: -1.117 ± 0.036 χ^2/NDF : 6840.3/22

+ sign -1.047 ± 0.031 χ^2/NDF : 14036.8/53

All: -1.006 ± 0.021 χ^2/NDF : 26428.4/110

- sign -0.969 ± 0.029 χ^2/NDF : 12388.3/56

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.088 $\pm$ 0.002 χ^2 /NDF: 33630.0/28

Left Out: -0.061 $\pm$ 0.002 χ^2 /NDF: 5479.8/24

Right Out: 0.104 $\pm$ 0.002 χ^2 /NDF: 33741.4/33

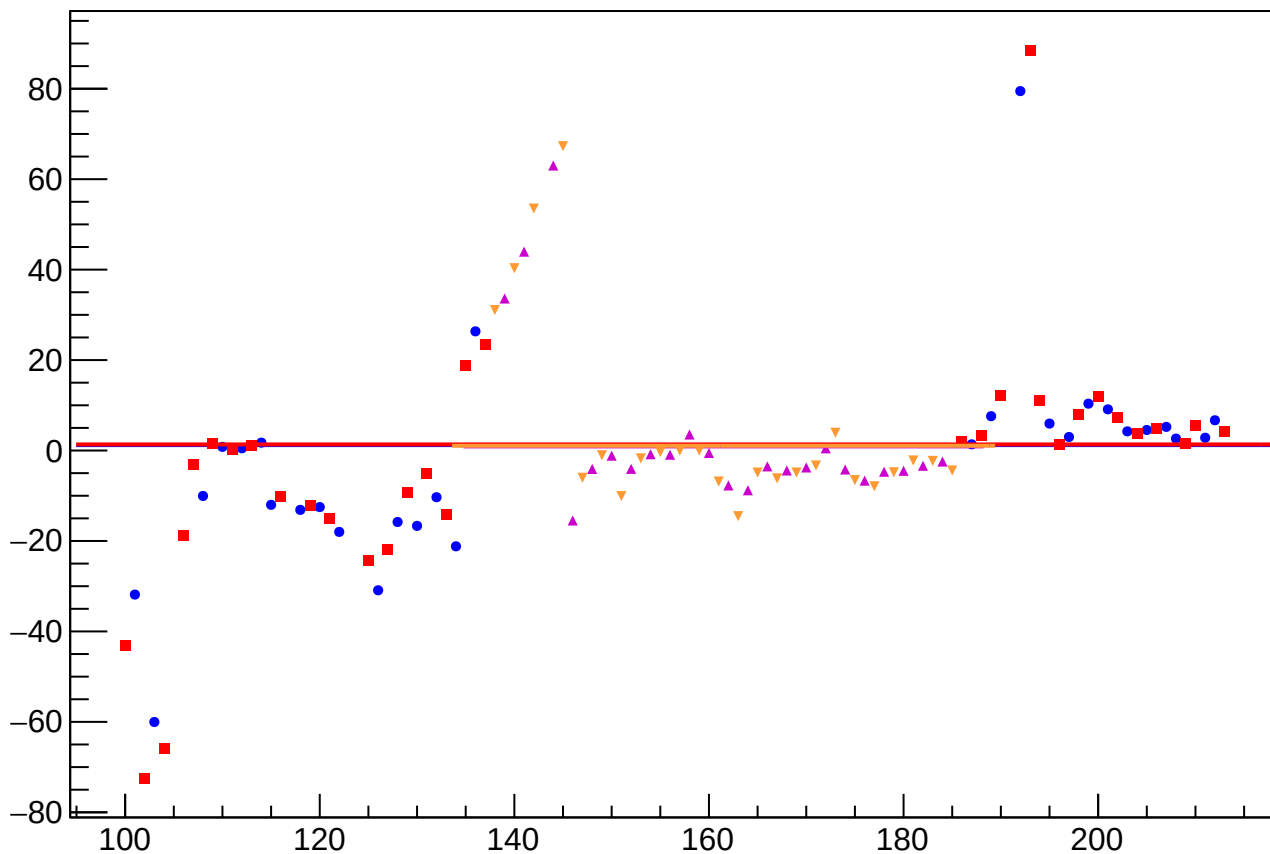
Left In: -0.051 $\pm$ 0.002 χ^2 /NDF: 4878.7/22

+ sign -0.013 $\pm$ 0.001 χ^2 /NDF: 41775.2/53

All: -0.008 $\pm$ 0.001 χ^2 /NDF: 83524.6/110

- sign -0.003 $\pm$ 0.001 χ^2 /NDF: 41719.4/56

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 1.200 $\pm$ 0.037 χ^2 /NDF: 121532.6/28

Left Out: 1.053 $\pm$ 0.041 χ^2 /NDF:131031.0/23

Right Out: 1.345 $\pm$ 0.033 χ^2 /NDF: 119709.0/31

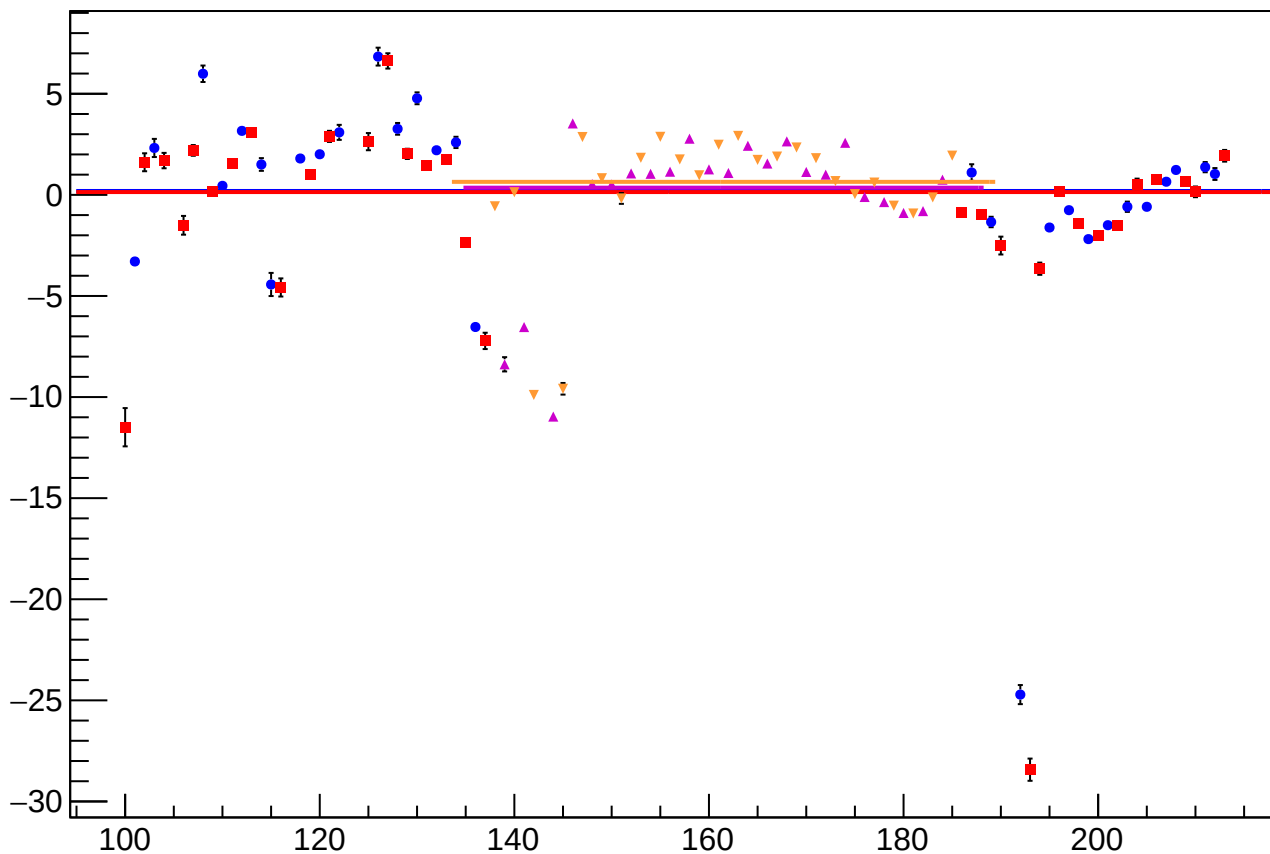
Left In: 0.913 $\pm$ 0.040 χ^2 /NDF:132807.5/22

+ sign 1.134 $\pm$ 0.027 χ^2 /NDF: 252570.7/52

All: 1.154 $\pm$ 0.019 χ^2 /NDF: 505158.9/107

- sign 1.171 $\pm$ 0.025 χ^2 /NDF: 252587.1/54

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.192 ± 0.045 χ^2/NDF : 6021.1/28

Left Out: 0.644 ± 0.033 χ^2/NDF : 4711.1/23

Right Out: 0.139 ± 0.043 χ^2/NDF : 5037.5/31

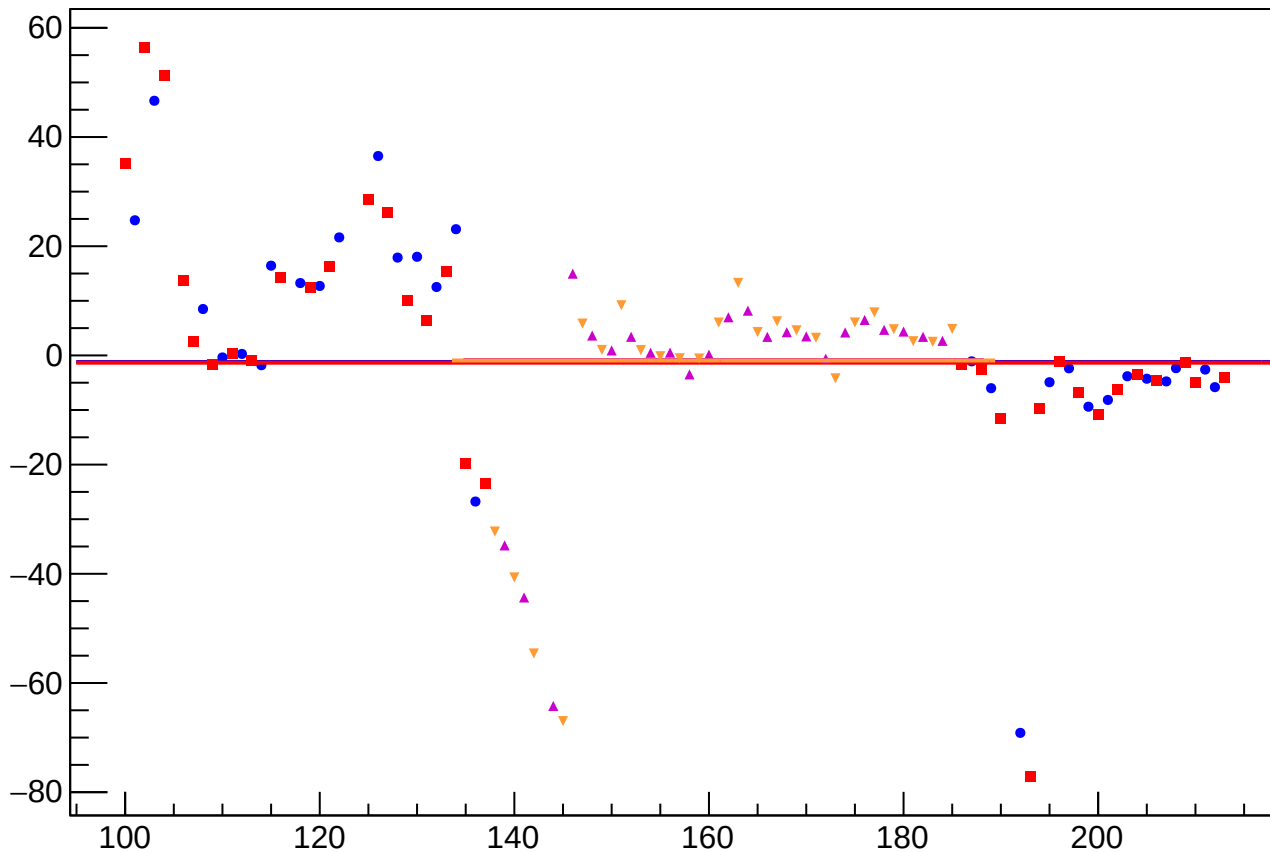
Left In: 0.355 ± 0.031 χ^2/NDF : 7117.0/22

+ sign 0.485 ± 0.027 χ^2/NDF : 10797.2/52

All: 0.377 ± 0.018 χ^2/NDF : 22999.5/107

- sign 0.280 ± 0.025 χ^2/NDF : 12171.2/54

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -1.202 ± 0.038 χ^2/NDF : 119938.0/28

Left Out: -0.929 ± 0.041 χ^2/NDF : 126378.7/23

Right Out: -1.329 ± 0.034 χ^2/NDF : 117822.1/31

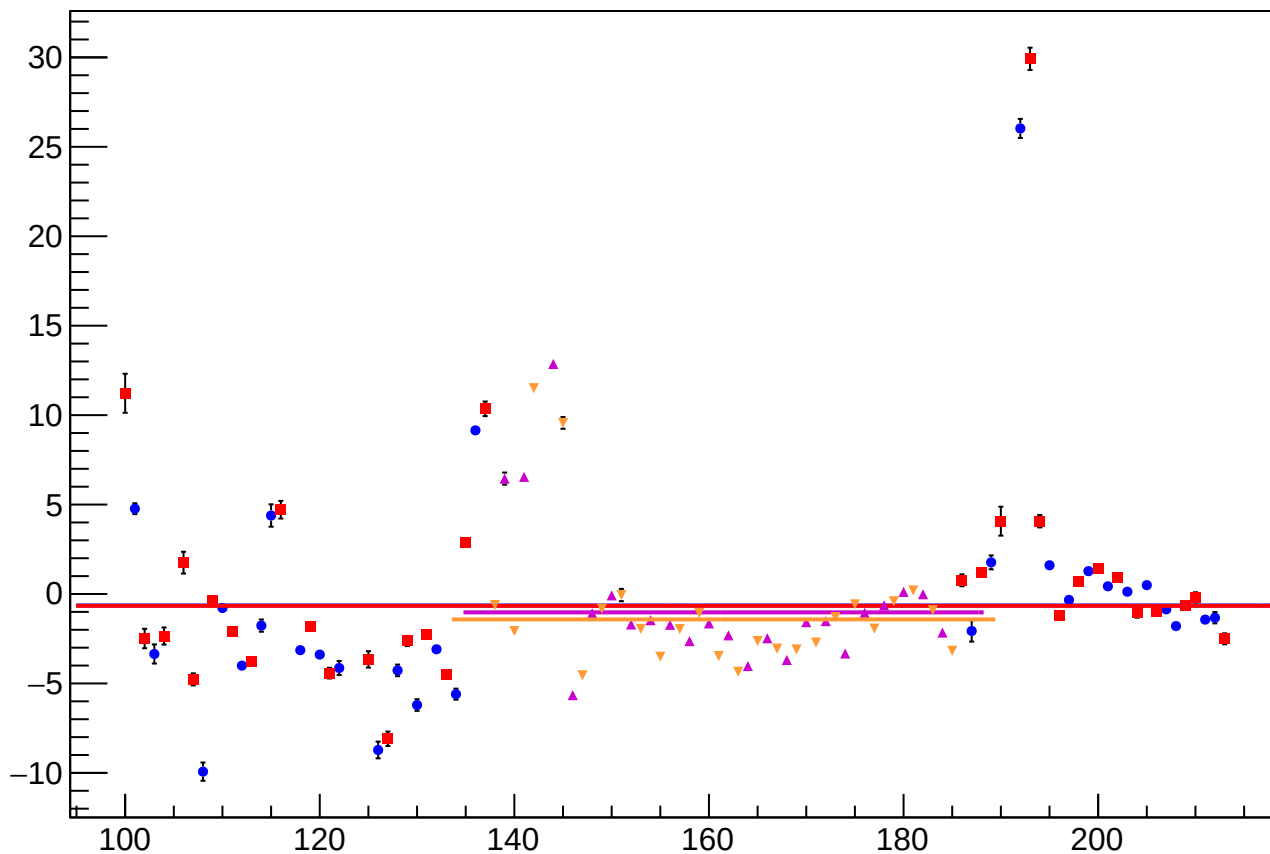
Left In: -0.860 ± 0.039 χ^2/NDF : 129485.0/22

+ sign -1.075 ± 0.028 χ^2/NDF : 246340.9/52

All: -1.102 ± 0.019 χ^2/NDF : 493730.4/107

- sign -1.125 ± 0.026 χ^2/NDF : 247387.7/54

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.643 ± 0.052 χ^2/NDF : 7486.8/28

Left Out: -1.420 ± 0.037 χ^2/NDF : 4642.0/23

Right Out: -0.660 ± 0.049 χ^2/NDF : 5545.1/31

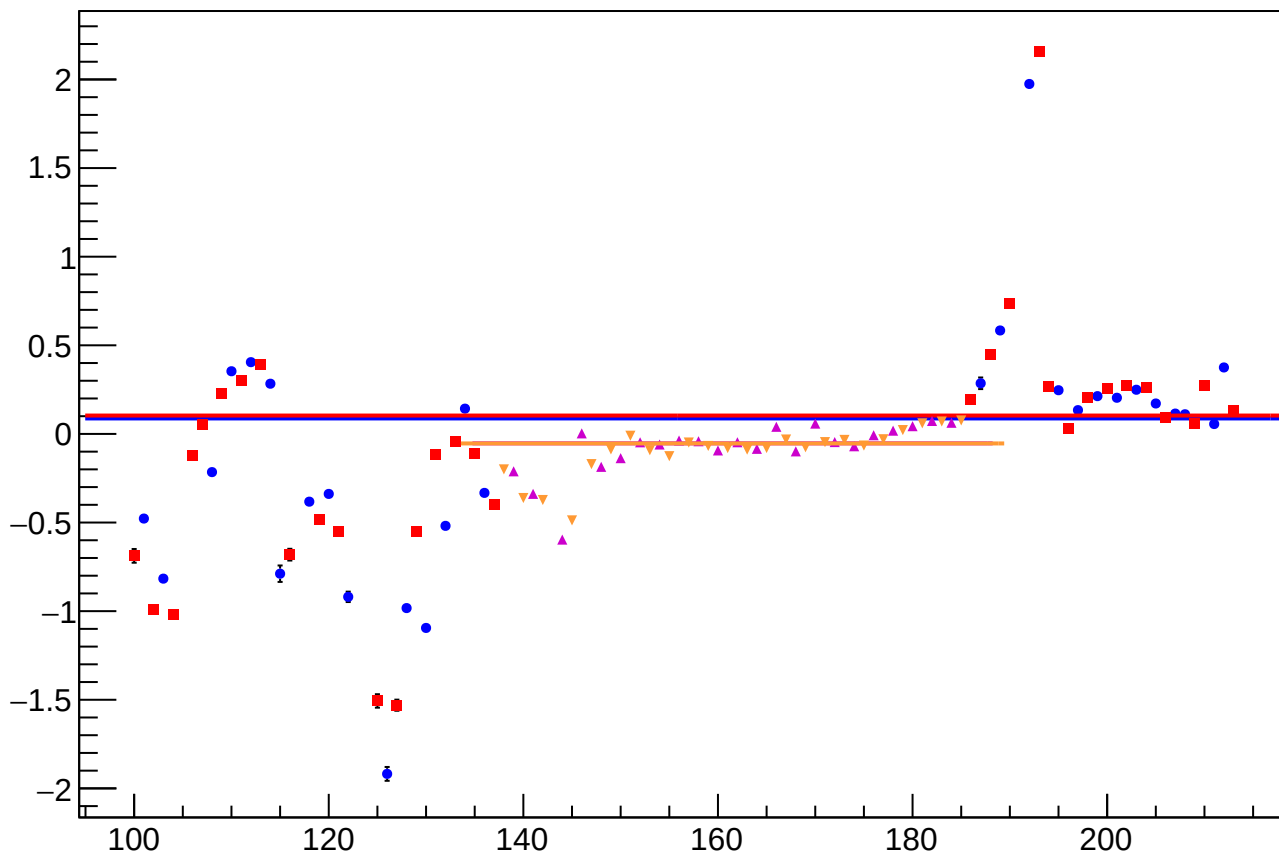
Left In: -1.026 ± 0.035 χ^2/NDF : 7047.1/22

+ sign -1.162 ± 0.030 χ^2/NDF : 12278.2/52

All: -1.027 ± 0.021 χ^2/NDF : 24946.0/107

- sign -0.905 ± 0.028 χ^2/NDF : 12628.9/54

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.087 ± 0.002 χ^2/NDF : 34750.7/28

Left Out: -0.054 ± 0.002 χ^2/NDF : 4340.0/23

Right Out: 0.104 ± 0.002 χ^2/NDF : 34201.6/31

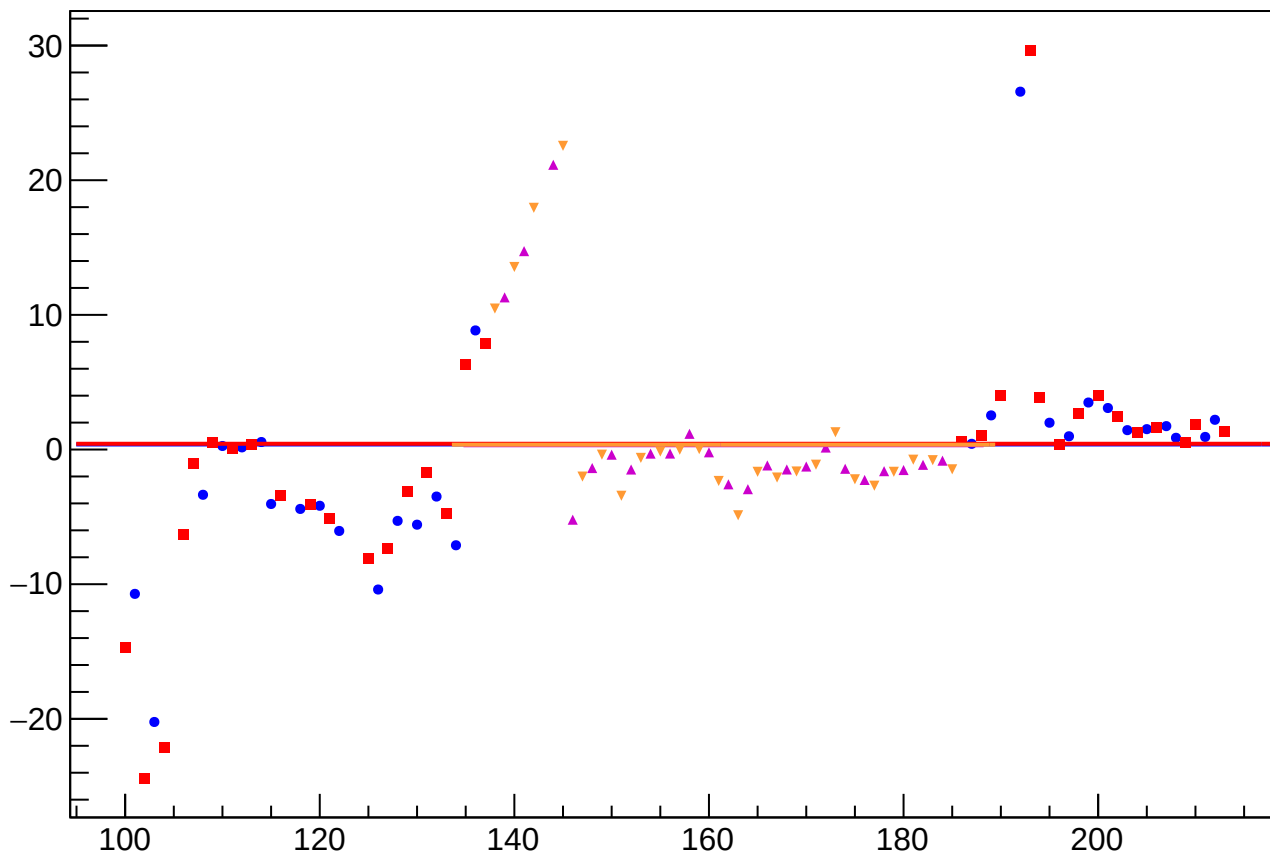
Left In: -0.053 ± 0.001 χ^2/NDF : 5009.7/22

+ sign -0.008 ± 0.001 χ^2/NDF : 41618.6/52

All: -0.007 ± 0.001 χ^2/NDF : 84210.7/107

- sign -0.005 ± 0.001 χ^2/NDF : 42589.8/54

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.375 ± 0.013 $\chi^2/\text{NDF}: 119422.7/28$

Left Out: 0.359 ± 0.014 $\chi^2/\text{NDF}: 128829.7/23$

Right Out: 0.429 ± 0.011 $\chi^2/\text{NDF}: 117808.1/31$

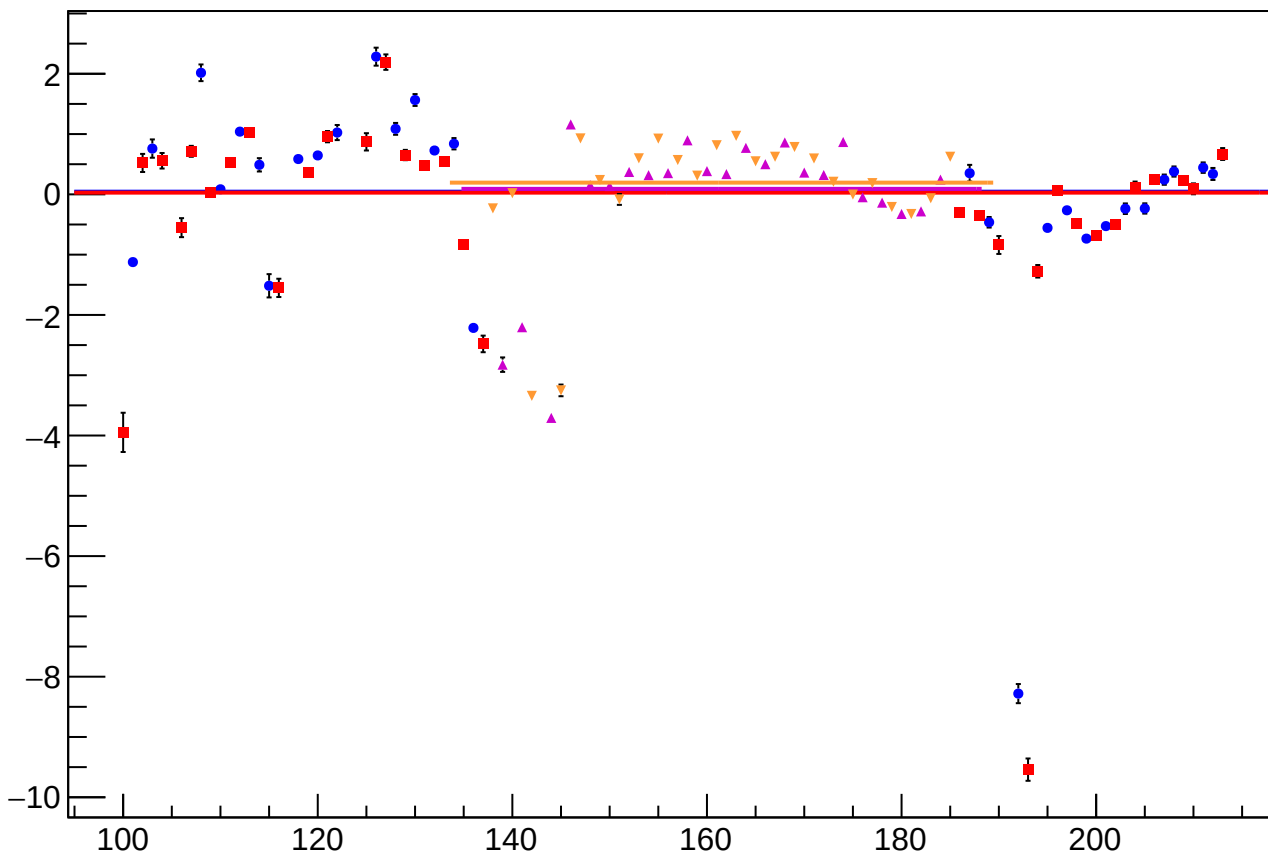
Left In: 0.317 ± 0.014 $\chi^2/\text{NDF}: 130224.2/22$

+ sign 0.368 ± 0.009 $\chi^2/\text{NDF}: 248253.1/52$

All: 0.376 ± 0.006 $\chi^2/\text{NDF}: 496326.9/107$

- sign 0.384 ± 0.009 $\chi^2/\text{NDF}: 248072.2/54$

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044 $\pm$ 0.015 χ^2 /NDF: 5893.5/28

Left Out: 0.194 $\pm$ 0.011 χ^2 /NDF: 4645.0/23

Right Out: 0.029 $\pm$ 0.015 χ^2 /NDF: 4949.0/31

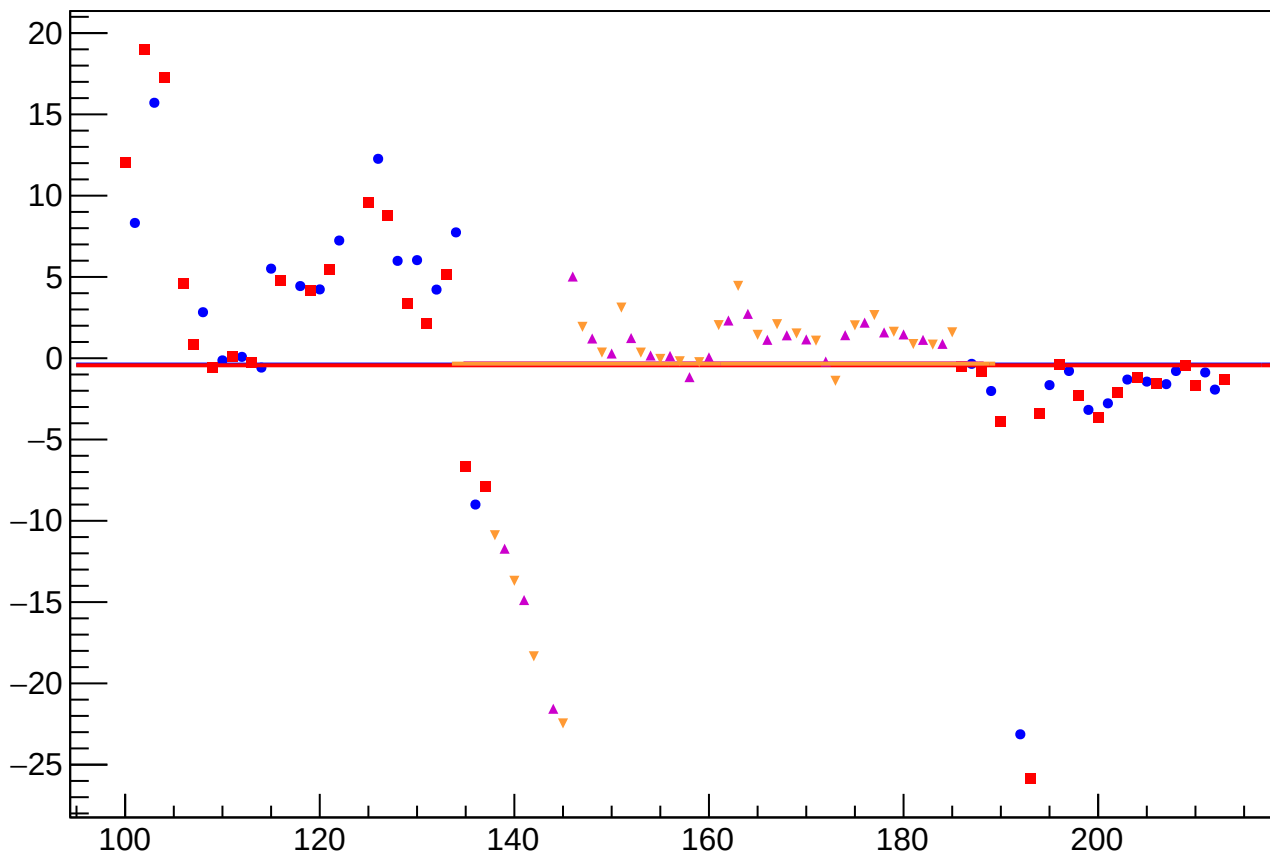
Left In: 0.091 $\pm$ 0.011 χ^2 /NDF: 6936.4/22

+ sign 0.142 $\pm$ 0.009 χ^2 /NDF: 10599.8/52

All: 0.104 $\pm$ 0.006 χ^2 /NDF: 22530.3/107

- sign 0.069 $\pm$ 0.009 χ^2 /NDF: 11897.2/54

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: -0.389 ± 0.013 χ^2/NDF : 117881.2/28

Left Out: -0.332 ± 0.014 χ^2/NDF : 124233.4/23

Right Out: -0.435 ± 0.012 χ^2/NDF : 115992.6/31

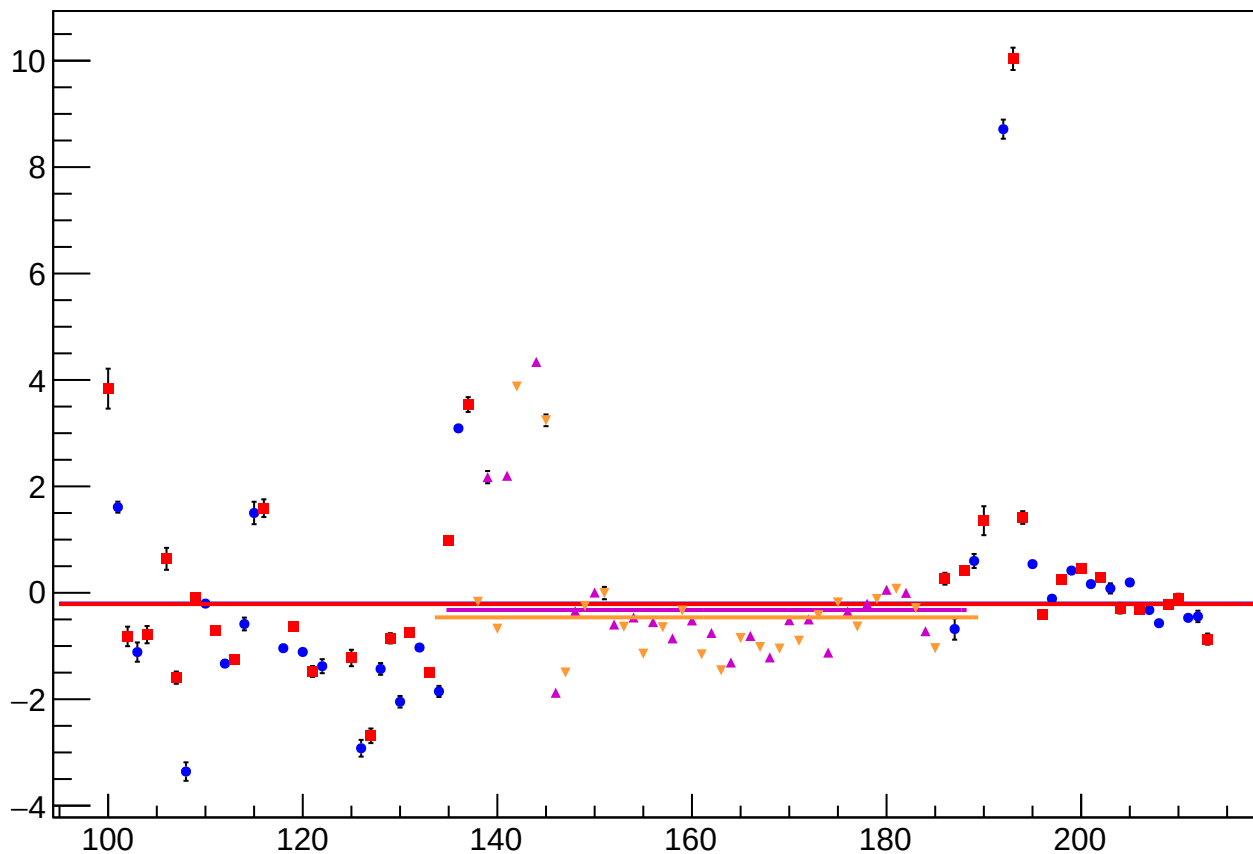
Left In: -0.314 ± 0.013 χ^2/NDF : 126999.2/22

+ sign -0.362 ± 0.009 χ^2/NDF : 242123.4/52

All: -0.373 ± 0.006 χ^2/NDF : 485163.5/107

- sign -0.382 ± 0.009 χ^2/NDF : 243037.7/54

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.202 ± 0.018 χ^2/NDF : 7330.4/28

Left Out: -0.462 ± 0.013 χ^2/NDF : 4580.0/23

Right Out: -0.212 ± 0.017 χ^2/NDF : 5451.3/31

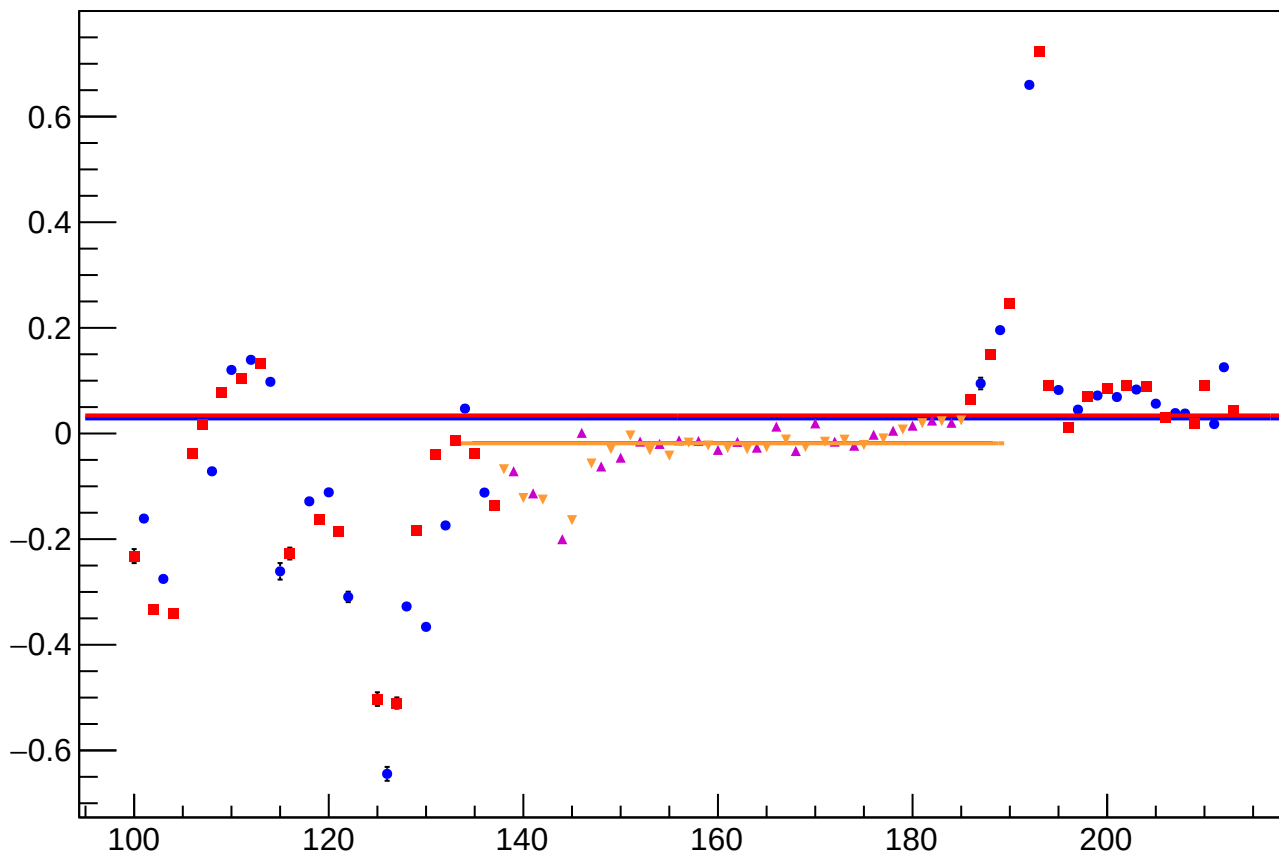
Left In: -0.323 ± 0.012 χ^2/NDF : 6881.8/22

+ sign -0.376 ± 0.010 χ^2/NDF : 12052.6/52

All: -0.329 ± 0.007 χ^2/NDF : 24454.3/107

- sign -0.286 ± 0.010 χ^2/NDF : 12361.8/54

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.029+/-0.001 χ^2/NDF : 34159.6/28

Left Out: -0.019+/-0.001 χ^2/NDF : 4227.5/23

Right Out: 0.034+/-0.001 χ^2/NDF : 33569.2/31

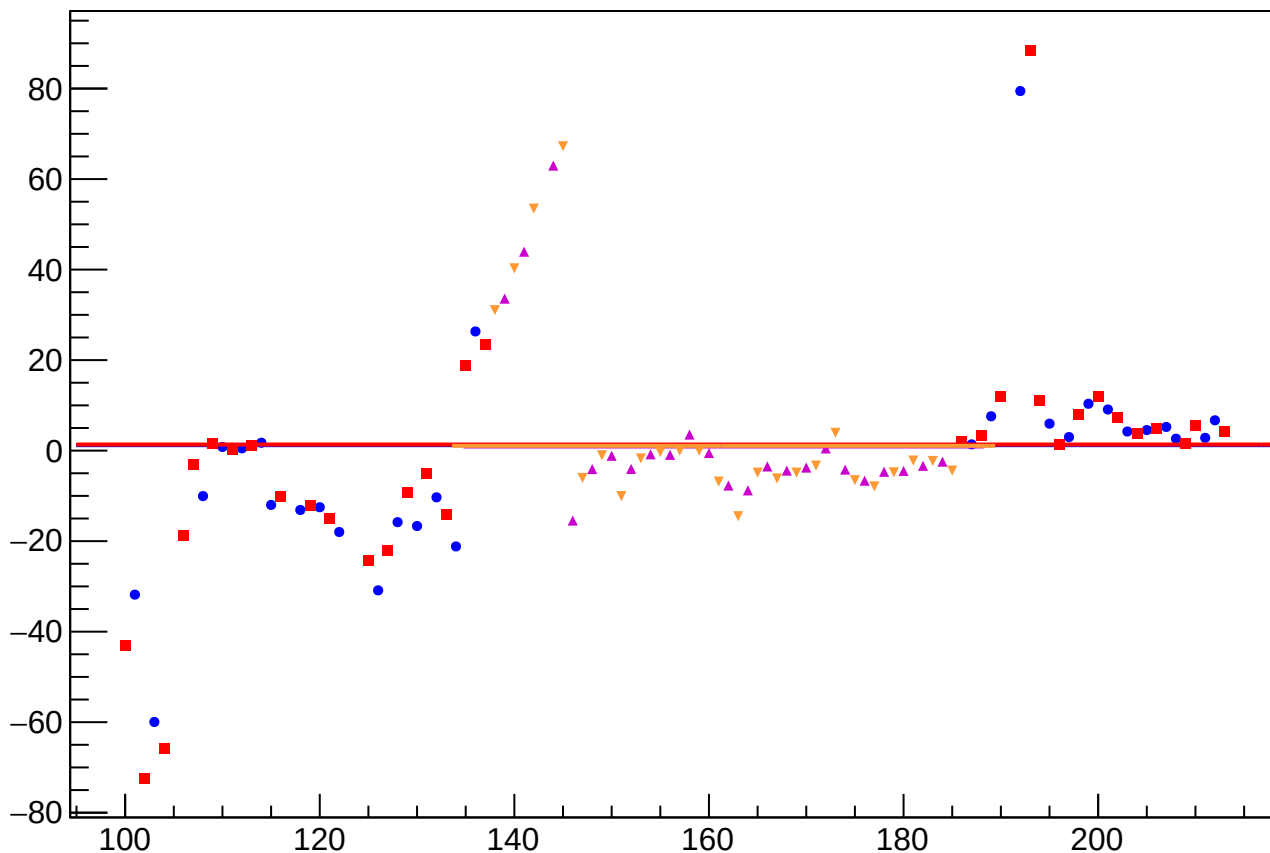
Left In: -0.018+/-0.001 χ^2/NDF : 4879.3/22

+ sign -0.003+/-0.000 χ^2/NDF : 40782.1/52

All: -0.003+/-0.000 χ^2/NDF : 82407.6/107

- sign -0.002+/-0.000 χ^2/NDF : 41621.1/54

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: 1.206 $\pm$ 0.037 χ^2 /NDF: 121556.2/28

Left Out: 1.058 $\pm$ 0.041 χ^2 /NDF:131010.5/23

Right Out: 1.350 $\pm$ 0.033 χ^2 /NDF: 119733.6/31

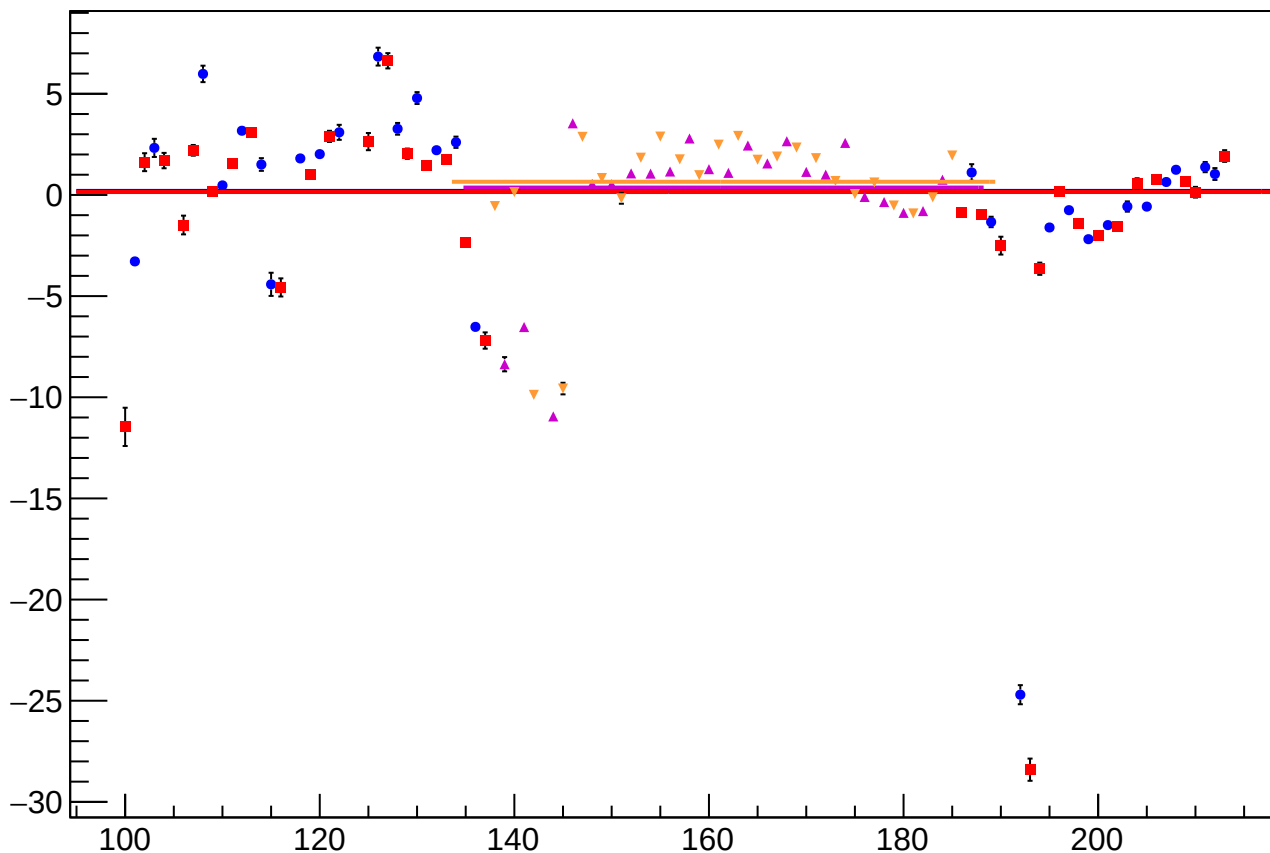
Left In: 0.915 $\pm$ 0.040 χ^2 /NDF:132816.1/22

+ sign 1.139 $\pm$ 0.027 χ^2 /NDF: 252574.1/52

All: 1.159 $\pm$ 0.018 χ^2 /NDF: 505196.2/107

- sign 1.175 $\pm$ 0.025 χ^2 /NDF: 252621.1/54

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.200 $\pm$ 0.045 χ^2 /NDF: 6024.7/28

Left Out: 0.651 $\pm$ 0.033 χ^2 /NDF: 4708.8/23

Right Out: 0.145 $\pm$ 0.043 χ^2 /NDF: 5038.5/31

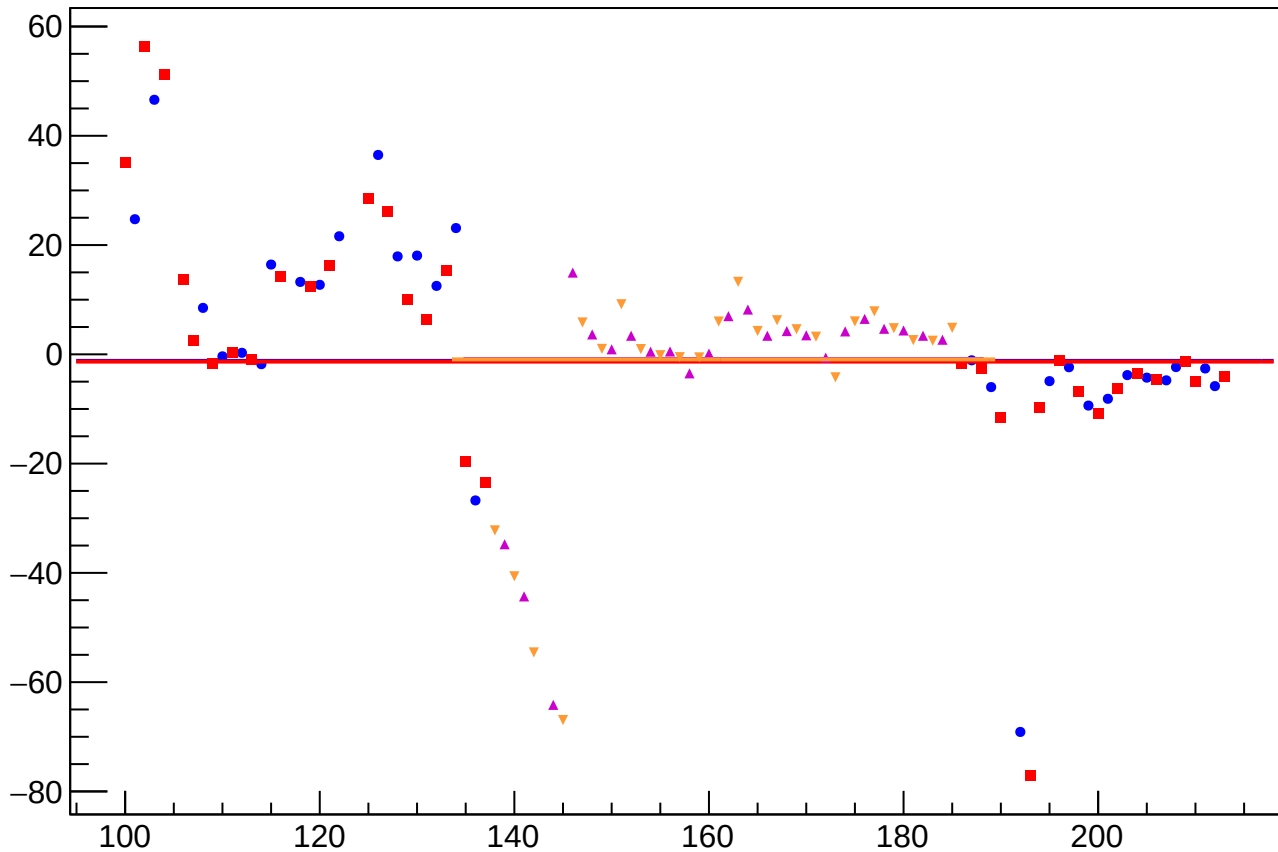
Left In: 0.364 $\pm$ 0.031 χ^2 /NDF: 7122.4/22

+ sign 0.493 $\pm$ 0.027 χ^2 /NDF: 10798.7/52

All: 0.384 $\pm$ 0.018 χ^2 /NDF: 23008.0/107

- sign 0.288 $\pm$ 0.025 χ^2 /NDF: 12178.1/54

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -1.202 ± 0.038 χ^2/NDF : 119958.4/28

Left Out: -0.927 ± 0.041 χ^2/NDF : 126360.1/23

Right Out: -1.329 ± 0.034 χ^2/NDF : 117841.0/31

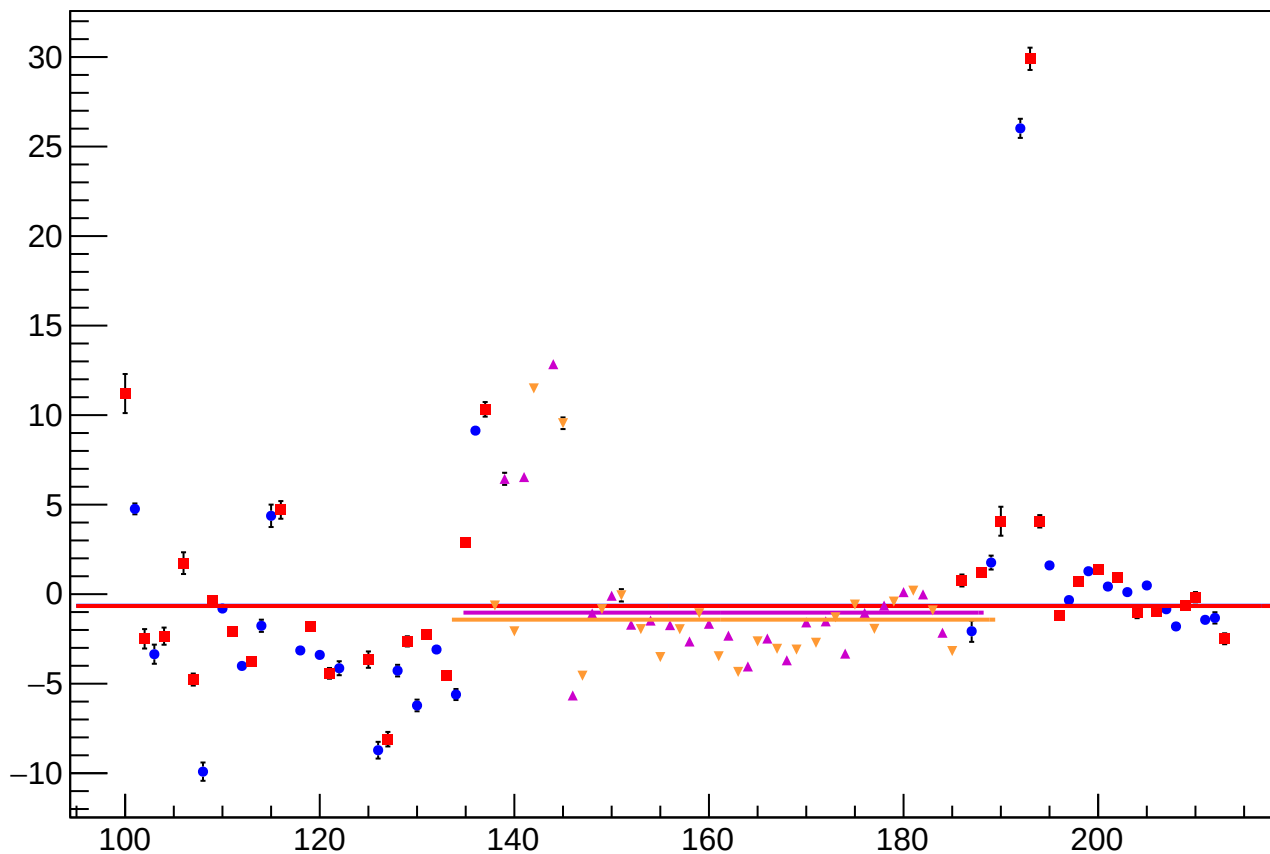
Left In: -0.858 ± 0.039 χ^2/NDF : 129490.8/22

+ sign -1.074 ± 0.028 χ^2/NDF : 246343.1/52

All: -1.101 ± 0.019 χ^2/NDF : 493758.4/107

- sign -1.124 ± 0.026 χ^2/NDF : 247413.5/54

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.648 ± 0.052 χ^2/NDF : 7489.6/28

Left Out: -1.425 ± 0.037 χ^2/NDF : 4639.6/23

Right Out: -0.663 ± 0.049 χ^2/NDF : 5545.0/31

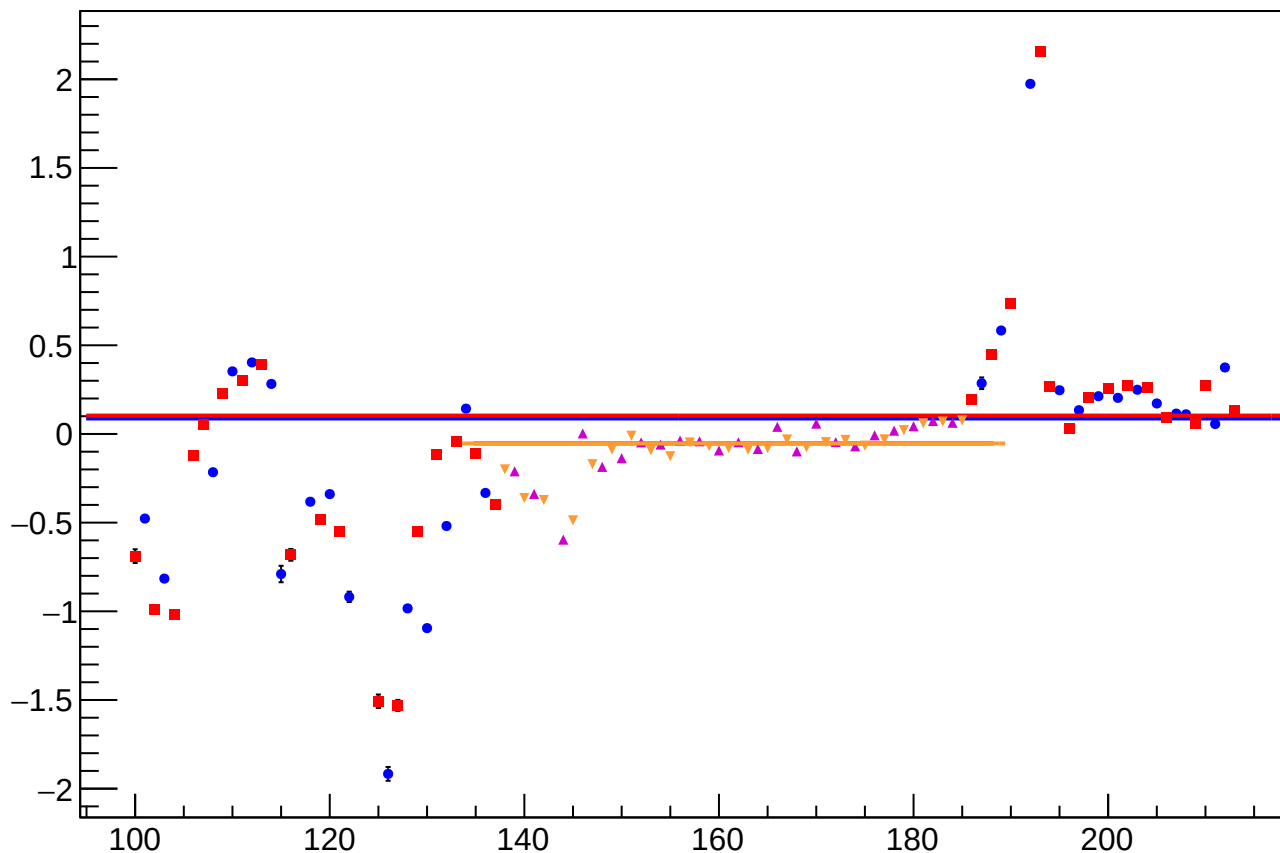
Left In: -1.032 ± 0.035 χ^2/NDF : 7051.3/22

+ sign -1.167 ± 0.030 χ^2/NDF : 12278.8/52

All: -1.031 ± 0.021 χ^2/NDF : 24951.5/107

- sign -0.910 ± 0.028 χ^2/NDF : 12633.8/54

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.087 ± 0.002 χ^2/NDF : 34759.8/28

Left Out: -0.054 ± 0.002 χ^2/NDF : 4341.2/23

Right Out: 0.104 ± 0.002 χ^2/NDF : 34216.8/31

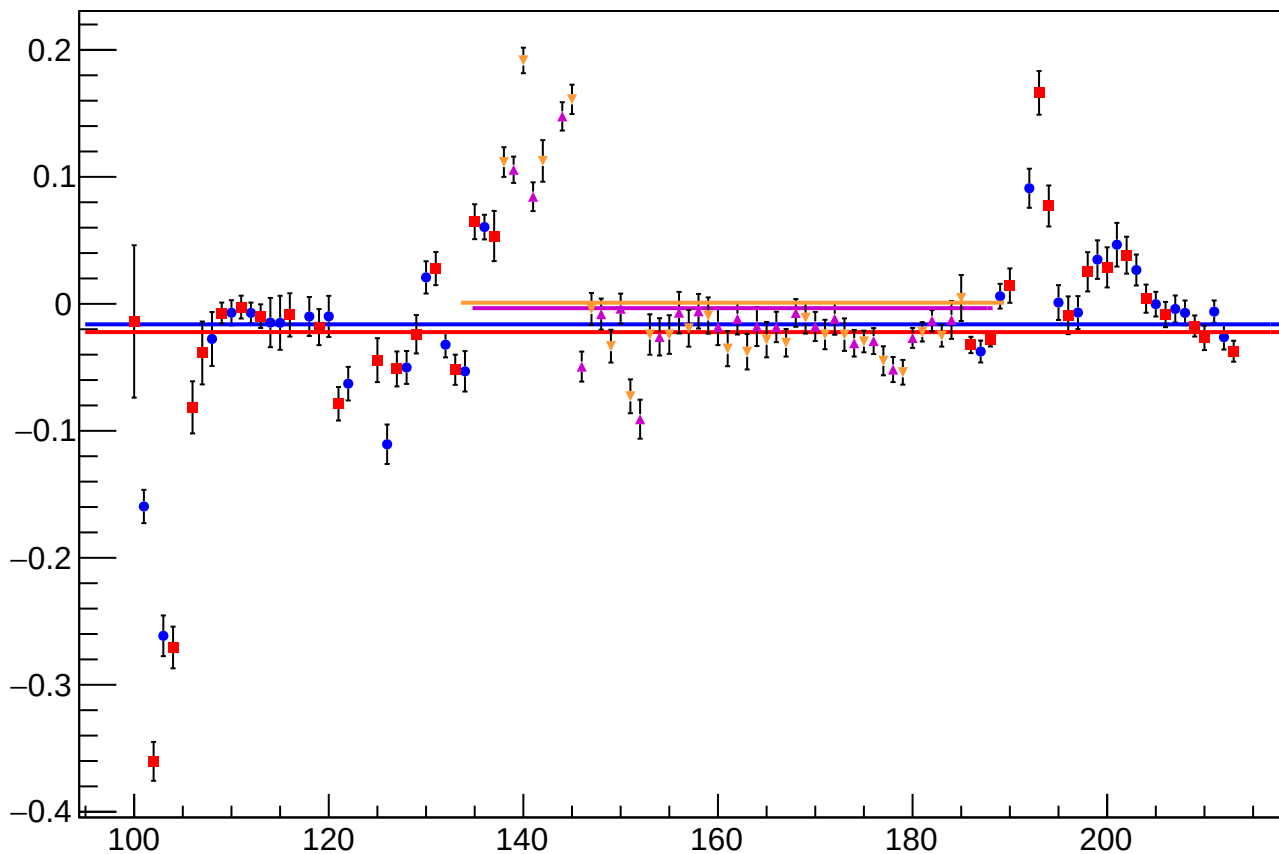
Left In: -0.053 ± 0.001 χ^2/NDF : 5013.3/22

+ sign -0.008 ± 0.001 χ^2/NDF : 41629.6/52

All: -0.007 ± 0.001 χ^2/NDF : 84247.4/107

- sign -0.005 ± 0.001 χ^2/NDF : 42615.6/54

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.016 ± 0.002 χ^2/NDF : 598.0/28

Left Out: 0.001 ± 0.002 χ^2/NDF : 849.7/23

Right Out: -0.022 ± 0.002 χ^2/NDF : 1054.6/31

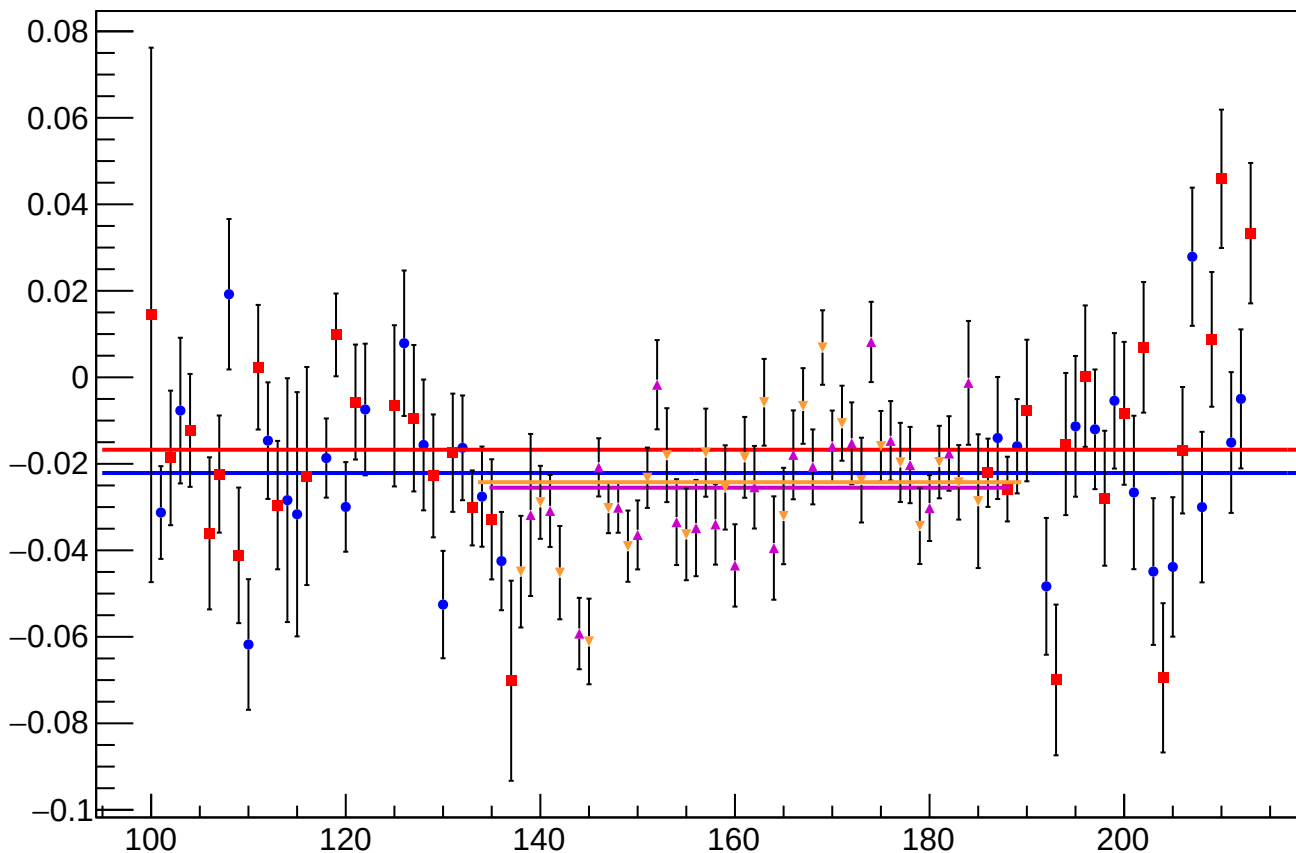
Left In: -0.003 ± 0.002 χ^2/NDF : 457.9/22

+ sign -0.008 ± 0.002 χ^2/NDF : 1475.0/52

All: -0.012 ± 0.001 χ^2/NDF : 3031.2/107

- sign -0.014 ± 0.002 χ^2/NDF : 1548.7/54

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.022±/0.003 χ^2/NDF : 49.7/28

Left Out: -0.024±/0.002 χ^2/NDF : 53.7/23

Right Out: -0.017±/0.002 χ^2/NDF : 77.7/31

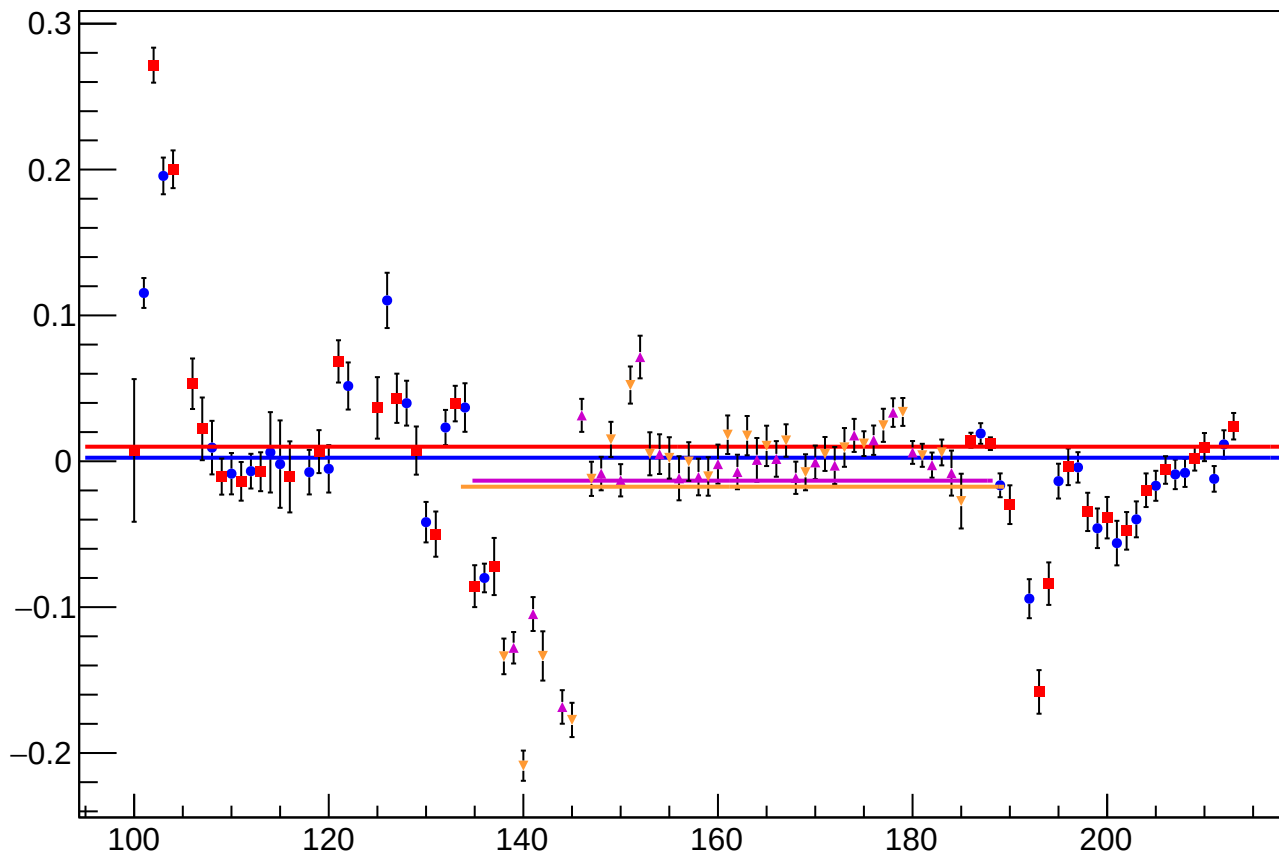
Left In: -0.026±/0.002 χ^2/NDF : 55.0/22

+ sign -0.024±/0.002 χ^2/NDF : 103.9/52

All: -0.023±/0.001 χ^2/NDF : 245.1/107

- sign -0.022±/0.001 χ^2/NDF : 140.8/54

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.002 ± 0.002 χ^2/NDF : 608.8/28

Left Out: -0.017 ± 0.002 χ^2/NDF : 812.1/23

Right Out: 0.010 ± 0.002 χ^2/NDF : 1046.4/31

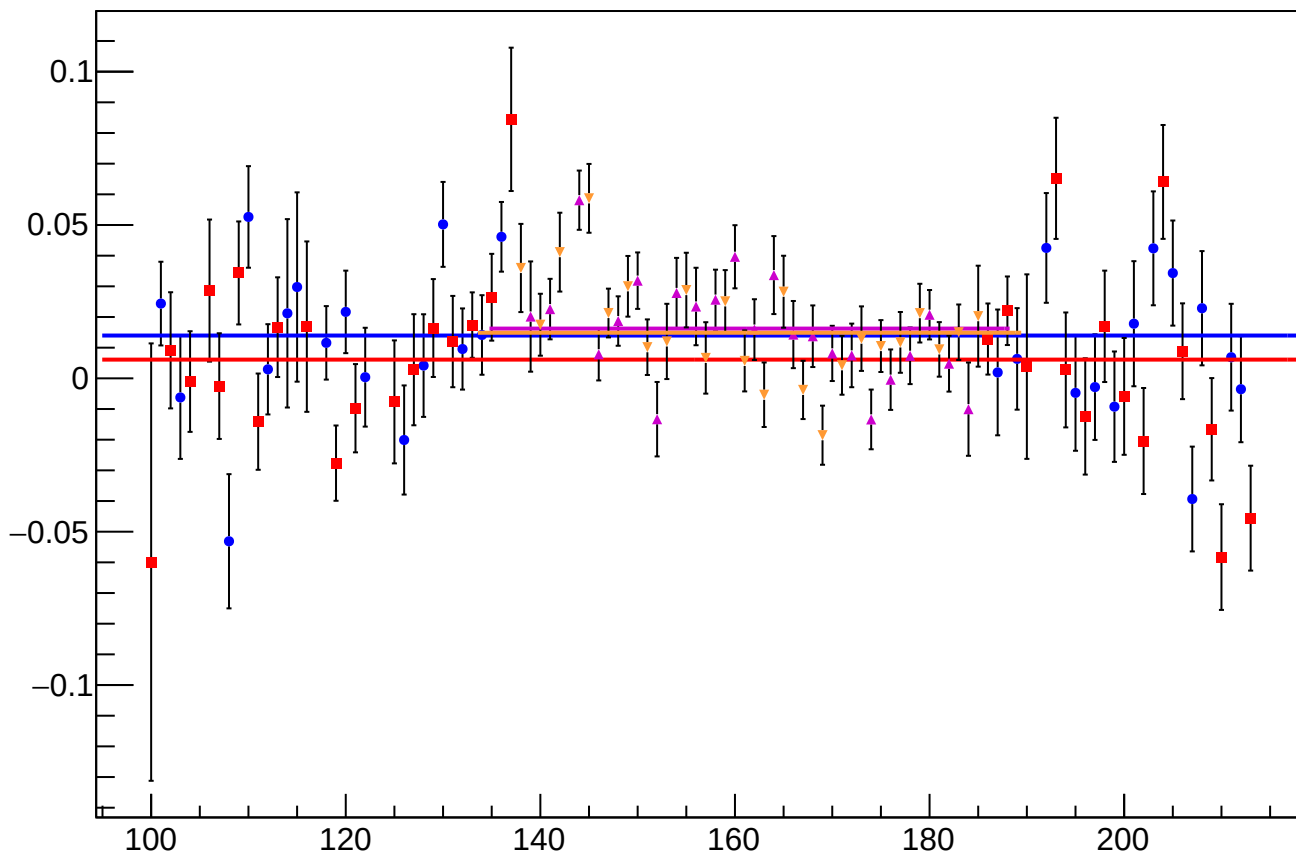
Left In: -0.013 ± 0.002 χ^2/NDF : 458.6/22

+ sign -0.007 ± 0.002 χ^2/NDF : 1458.3/52

All: -0.003 ± 0.001 χ^2/NDF : 3031.2/107

- sign 0.001 ± 0.002 χ^2/NDF : 1561.9/54

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.014 $\pm$ 0.003 χ^2 /NDF: 59.0/28

Left Out: 0.015 $\pm$ 0.002 χ^2 /NDF: 52.1/23

Right Out: 0.006 $\pm$ 0.003 χ^2 /NDF: 81.8/31

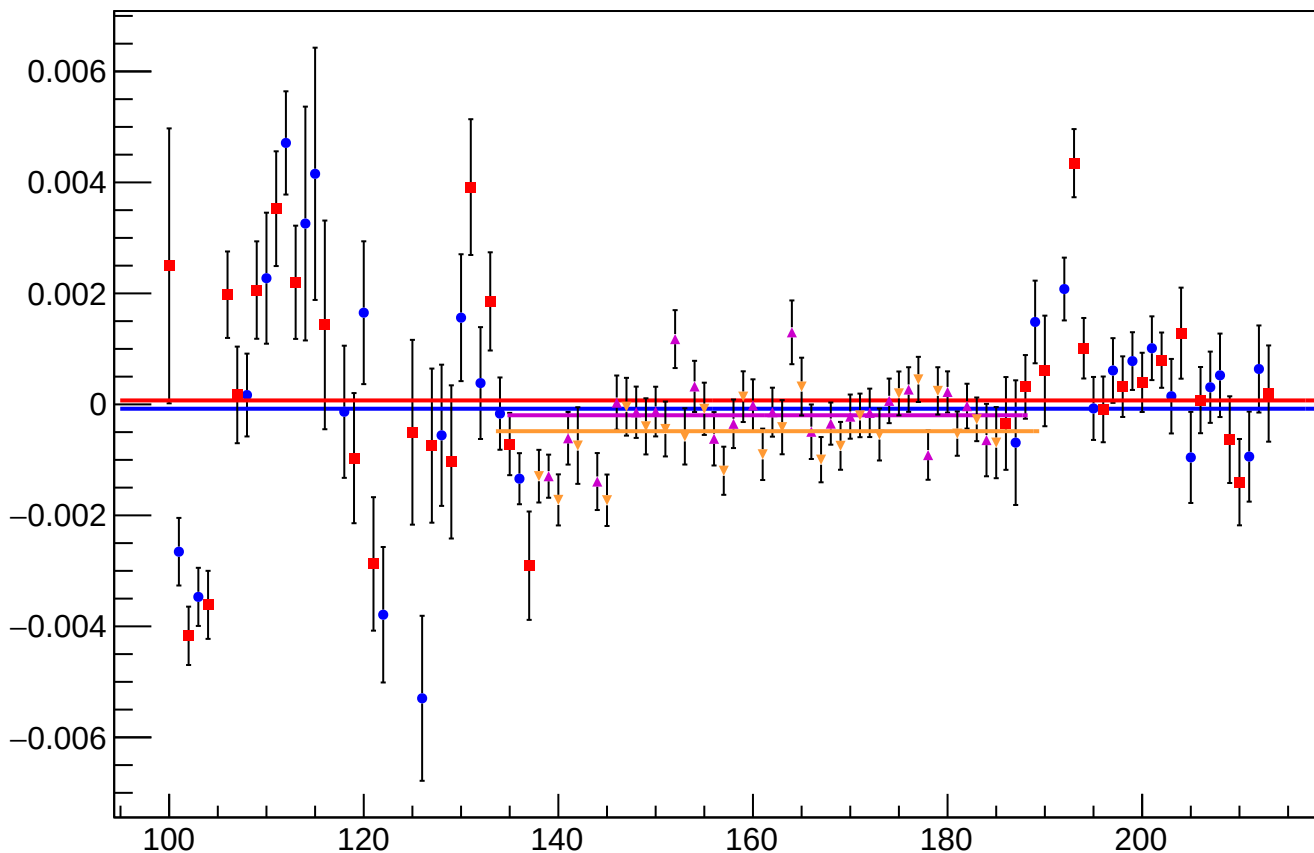
Left In: 0.016 $\pm$ 0.002 χ^2 /NDF: 58.0/22

+ sign 0.015 $\pm$ 0.002 χ^2 /NDF: 111.2/52

All: 0.014 $\pm$ 0.001 χ^2 /NDF: 259.3/107

- sign 0.013 $\pm$ 0.002 χ^2 /NDF: 147.6/54

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 160.9/28

Left Out: -0.000+/-0.000 χ^2/NDF : 40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 224.0/31

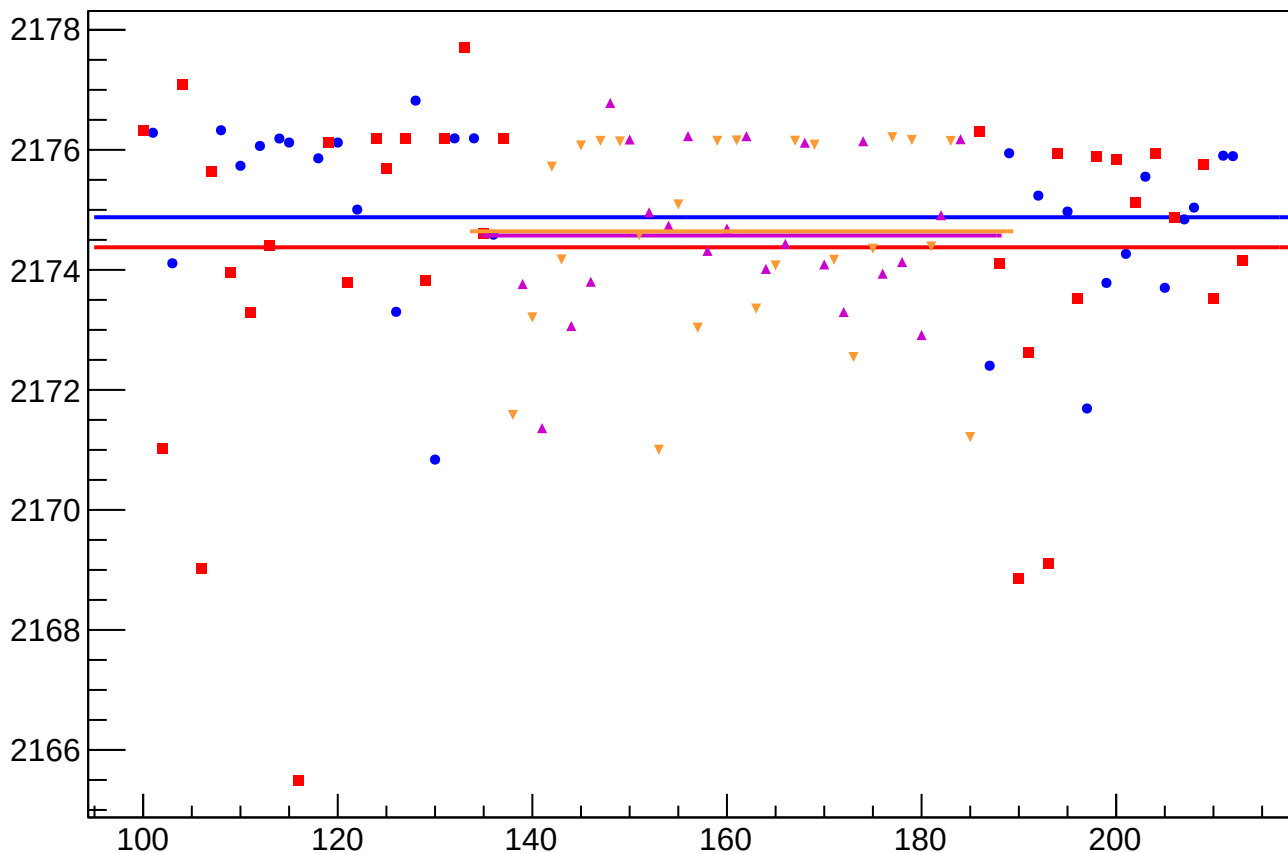
Left In: -0.000+/-0.000 χ^2/NDF : 37.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 207.5/52

All: -0.000+/-0.000 χ^2/NDF : 476.6/107

- sign -0.000+/-0.000 χ^2/NDF : 263.9/54

HALLA_p_mean vs Slug



Right In: 2174.877 $\pm$ 0.000 χ^2 /NDF: 3386896148588542513395276527435776.0/28

Left Out: 2174.643 $\pm$ 0.000 χ^2 /NDF: 5211684446319442157199657598451712.0/24

Right Out: 2174.376 $\pm$ 0.000 χ^2 /NDF: 10208363710973137032566068880605184.0/33

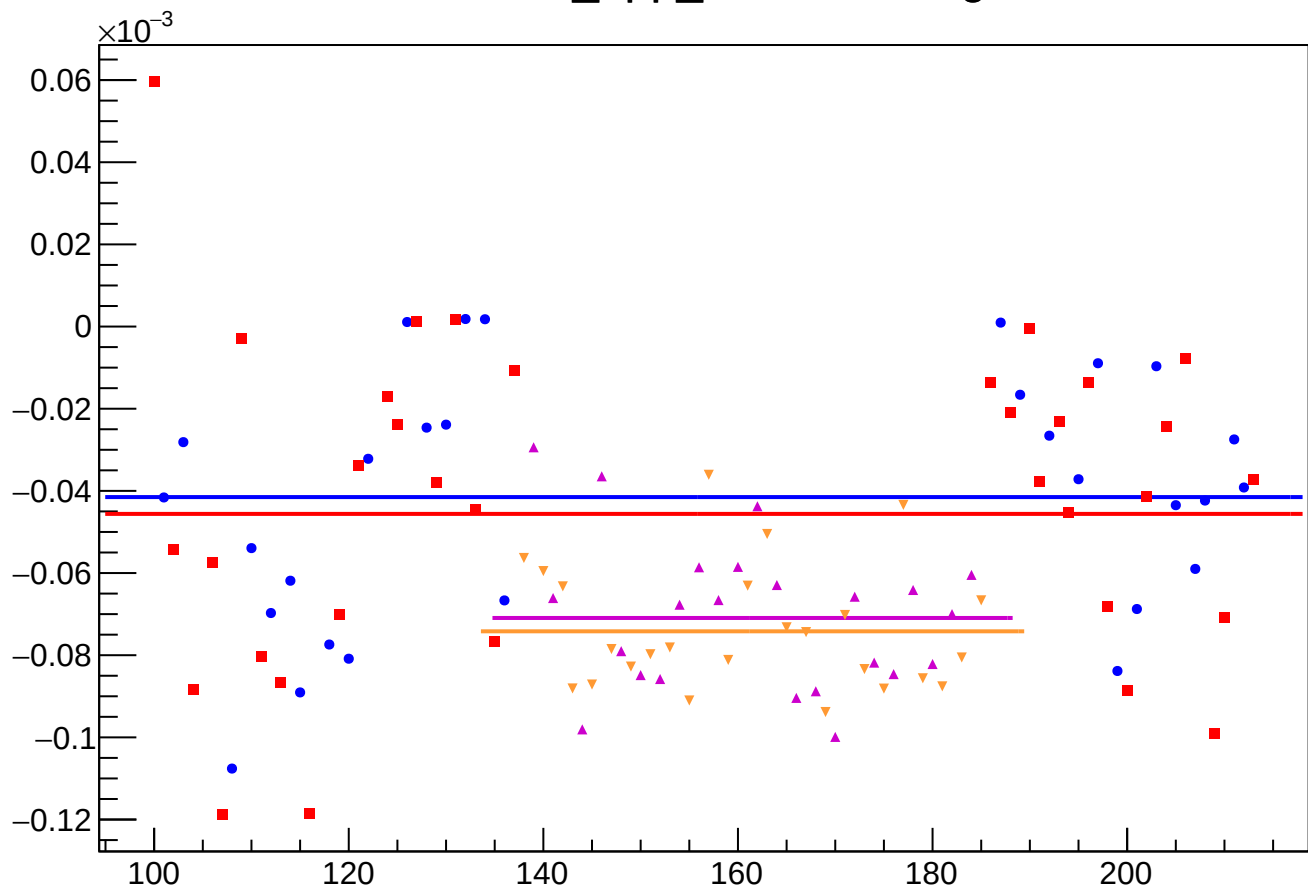
Left In: 2174.573 $\pm$ 0.000 χ^2 /NDF: 3431267097793838845728863815729152.0/22

+ sign 2174.753 $\pm$ 0.000 χ^2 /NDF: 86506454477067

All: 2174.612 $\pm$ 0.000 χ^2 /NDF: 22476925984

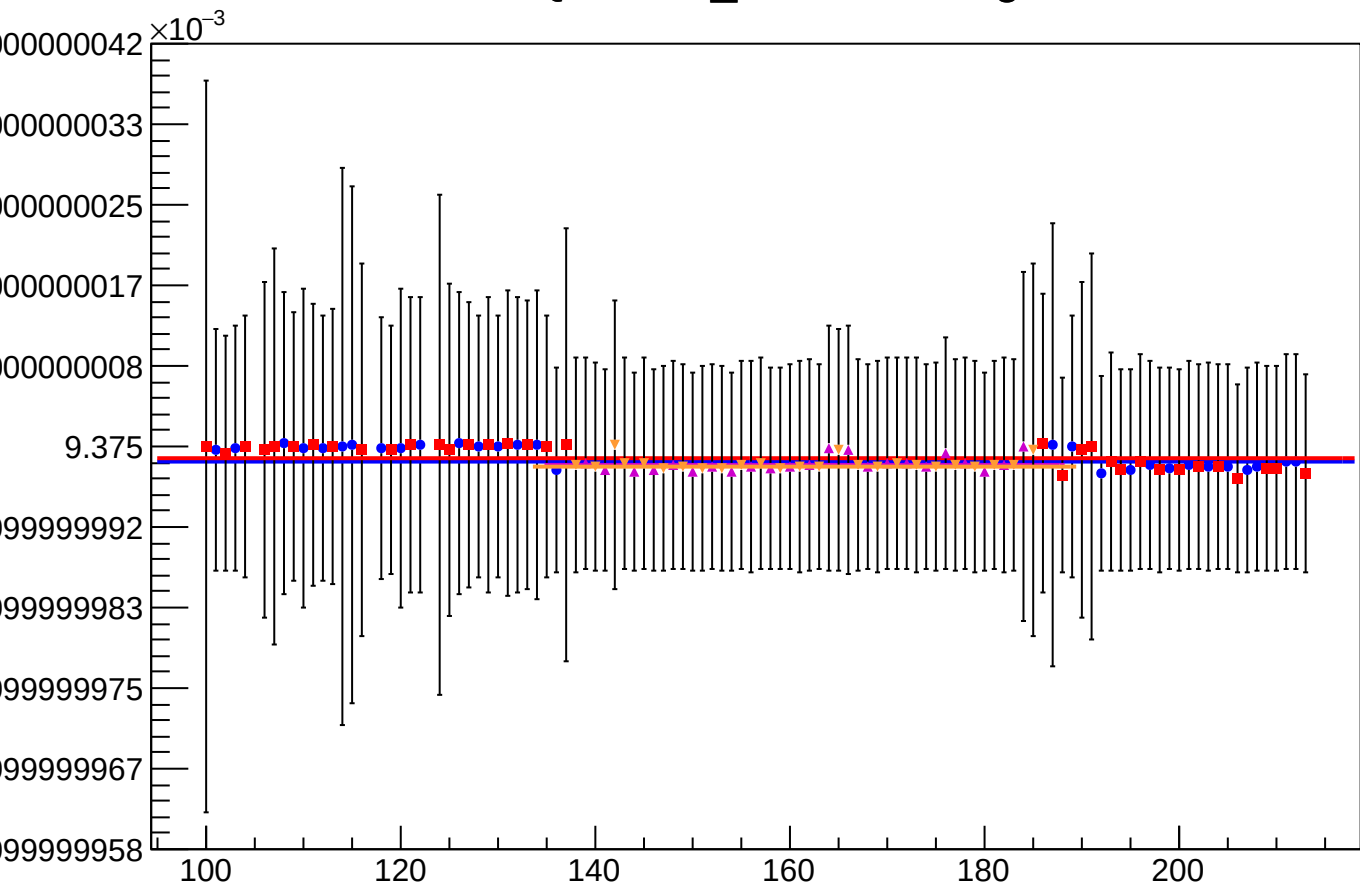
- sign 2174.473 $\pm$ 0.000 χ^2 /NDF: 13676915983159

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 1268367069939089996251136.0/28	+ sign -0.000+/-0.000	χ^2/NDF : 2751203318679326
Left Out: -0.000+/-0.000	χ^2/NDF : 471834768551309792509952.0/24	All: -0.000+/-0.000	χ^2/NDF : 6056330423542
Right Out: -0.000+/-0.000	χ^2/NDF : 2053997935122374312591360.0/33	- sign -0.000+/-0.000	χ^2/NDF : 33040858097302022
Left In: -0.000+/-0.000	χ^2/NDF : 631091526789889368522752.0/22		

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/33

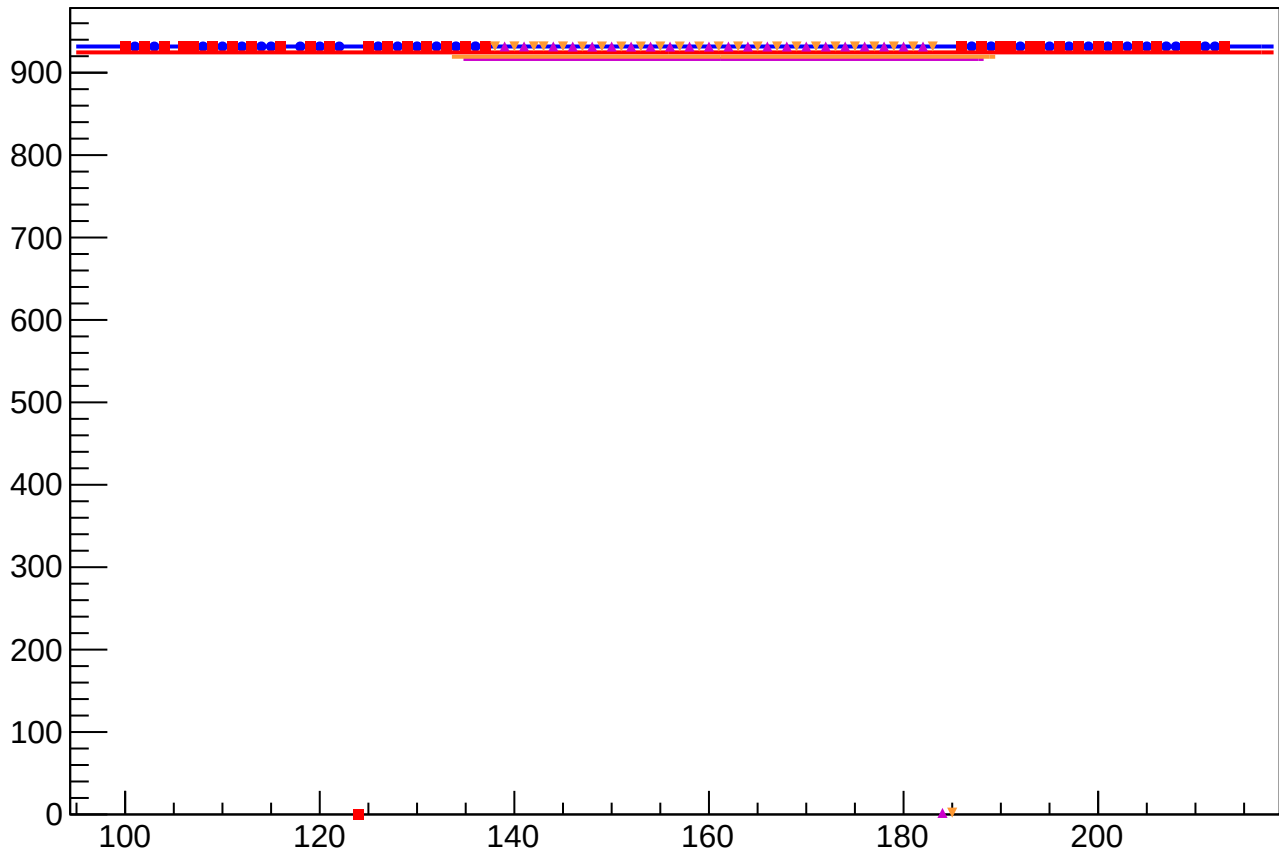
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/56

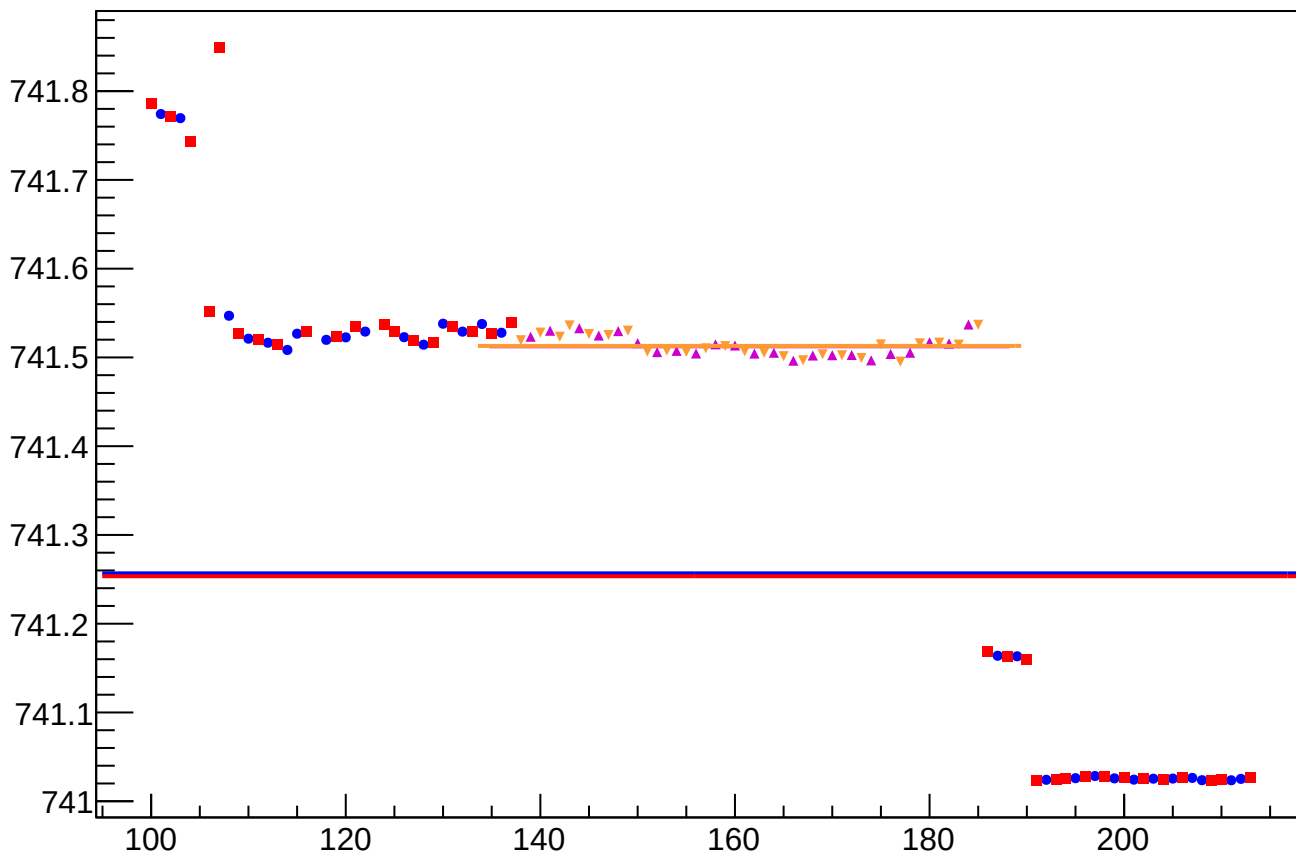
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.778 $\pm$ 0.000 χ^2 /NDF: 3407316823483900724349927161856.0/28
Left Out: 919.347 $\pm$ 0.000 χ^2 /NDF: 23021123496215280619041526133081243648.0/24
Right Out: 924.622 $\pm$ 0.000 χ^2 /NDF: 12922268138443855396880975122724290560.0/33
Left In: 916.654 $\pm$ 0.000 χ^2 /NDF: 26369744931183548073785664842185572352.0/22

+ sign 925.180 $\pm$ 0.000 χ^2 /NDF: 231674507785111
All: 922.917 $\pm$ 0.000 χ^2 /NDF: 62559376746
- sign 920.687 $\pm$ 0.000 χ^2 /NDF: 393532556067792

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.257+/-0.000 χ^2/NDF : 131211870000703427393381948456960.0/28

Left Out: 741.513+/-0.000 χ^2/NDF : 251976310768126296231889600512.0/24

Right Out: 741.253+/-0.000 χ^2/NDF : 141393179296389775818205968728064.0/33

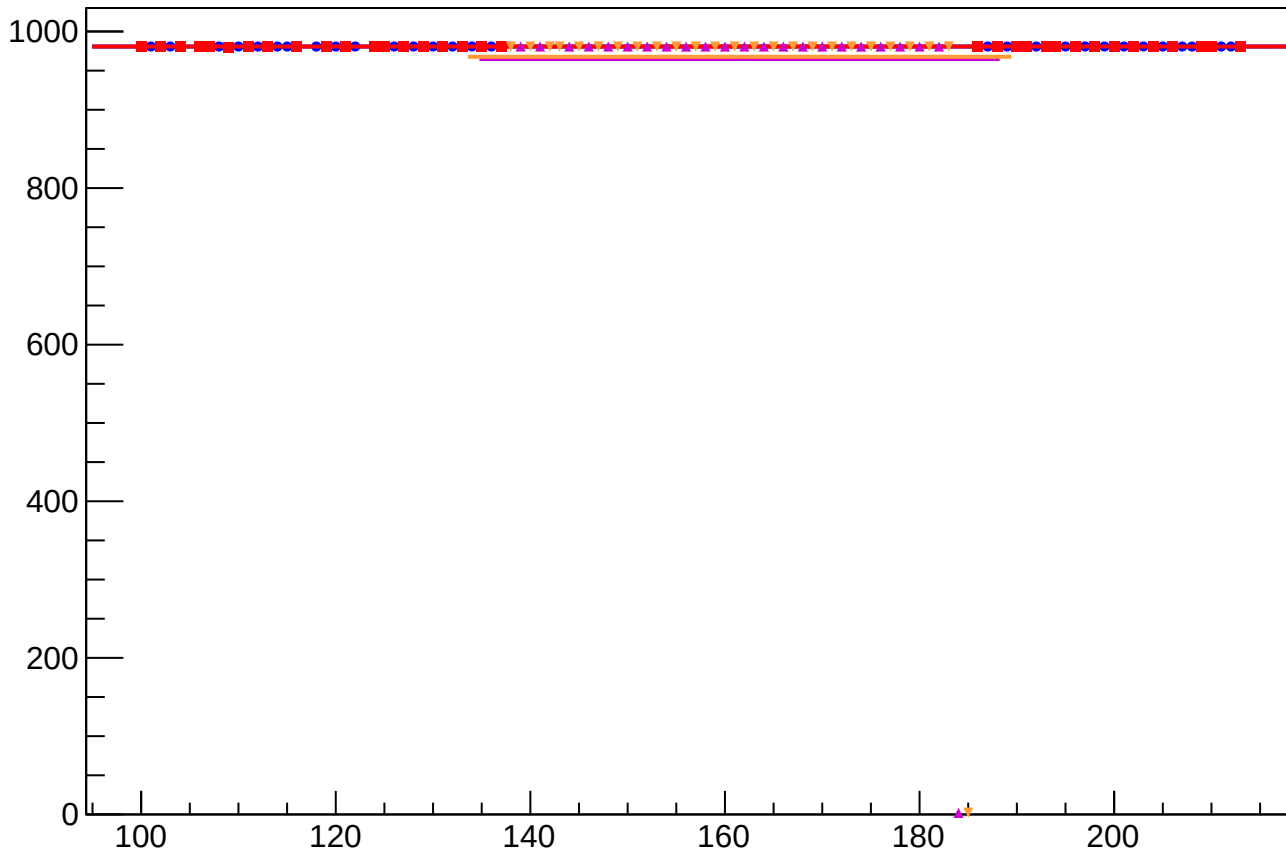
Left In: 741.513+/-0.000 χ^2/NDF : 234703983030085423185895882752.0/22

+ sign 741.393+/-0.000 χ^2/NDF : 193635998540003

All: 741.387+/-0.000 χ^2/NDF : 400262838227

- sign 741.381+/-0.000 χ^2/NDF : 206383061109450

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804 $\pm$ 0.000 χ^2 /NDF: 1895692250745449347045866340352.0/28

Left Out: 967.677 $\pm$ 0.000 χ^2 /NDF: 25505155603279925641541295779633692672.0/24

Right Out: 980.779 $\pm$ 0.000 χ^2 /NDF: 63426529221492924489028704665600.0/33

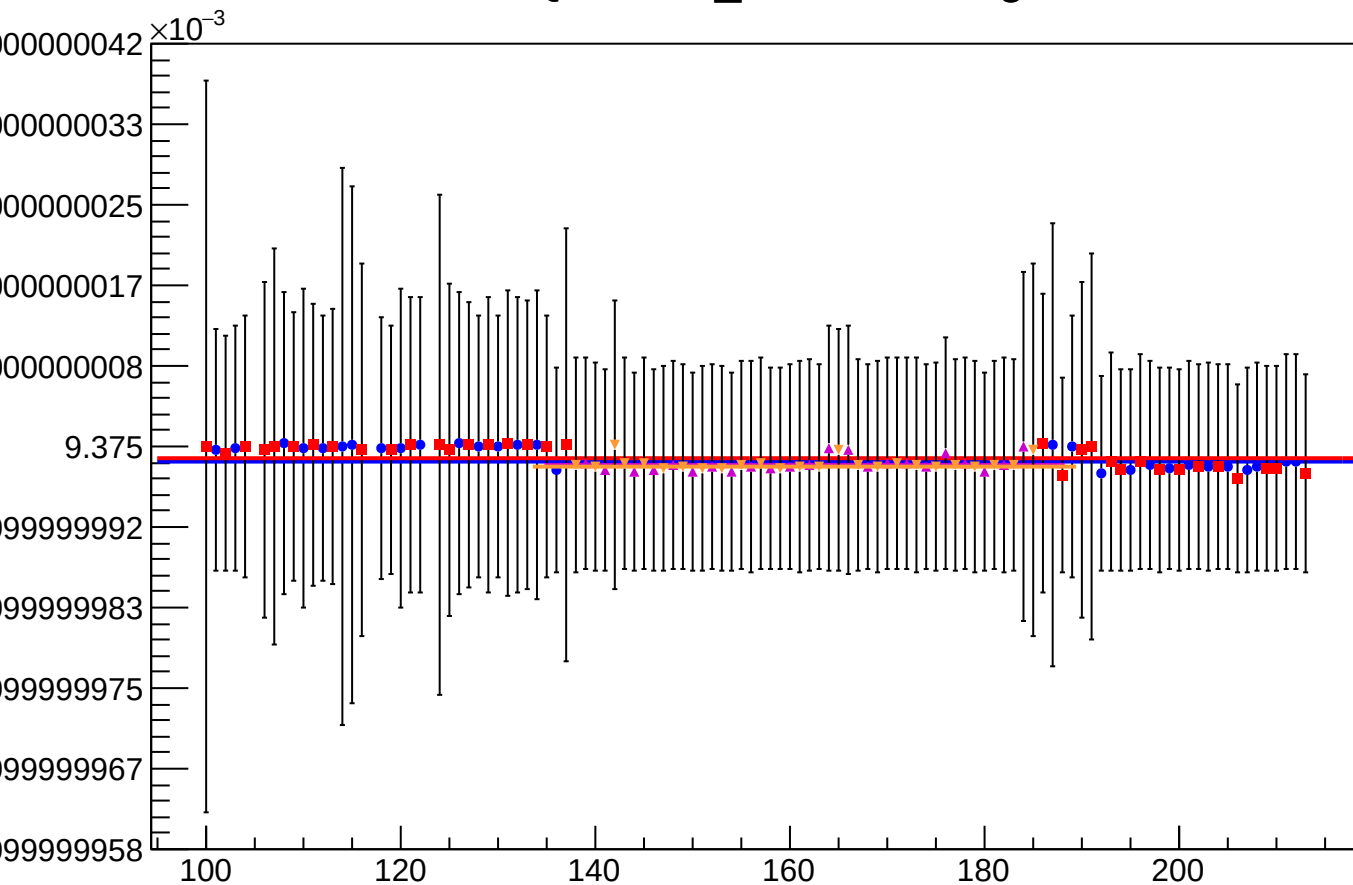
Left In: 964.854 $\pm$ 0.000 χ^2 /NDF: 29215838960103078784112845628245016576.0/22

+ sign 973.837 $\pm$ 0.000 χ^2 /NDF: 256683445816636

All: 973.372 $\pm$ 0.000 χ^2 /NDF: 551305210804

- sign 972.914 $\pm$ 0.000 χ^2 /NDF: 294605456573835

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/33

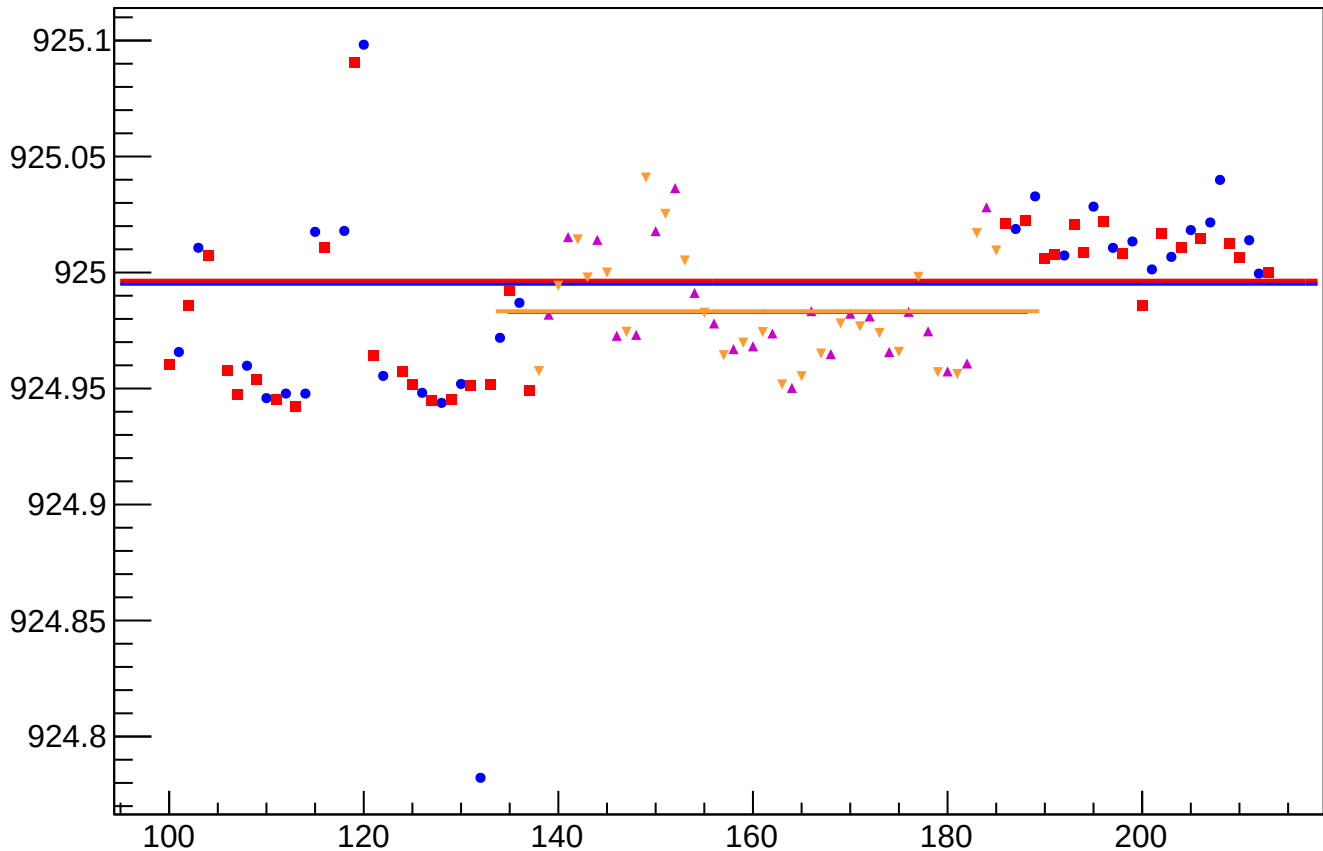
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/56

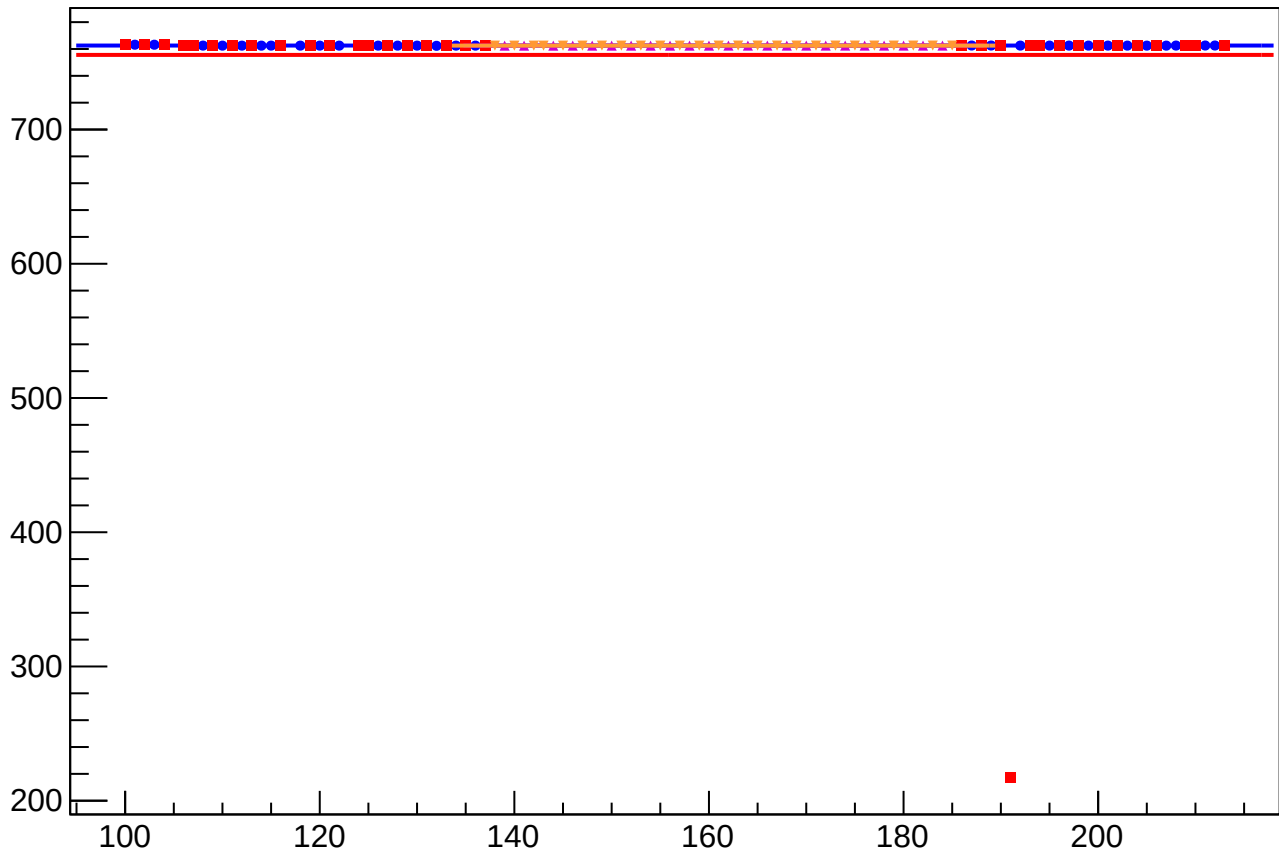
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.995 $\pm$ 0.000 χ^2 /NDF: 3749090044239467680330302881792.0/28
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1161112698344246137667167715328.0/24
 Right Out: 924.996 $\pm$ 0.000 χ^2 /NDF: 1985441144317764669239619223552.0/33
 Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 928270307181587701368348475392.0/22

+ sign 924.989 $\pm$ 0.000 χ^2 /NDF: 504361372088149
 All: 924.989 $\pm$ 0.000 χ^2 /NDF: 81342093653
 - sign 924.990 $\pm$ 0.000 χ^2 /NDF: 308886439182364

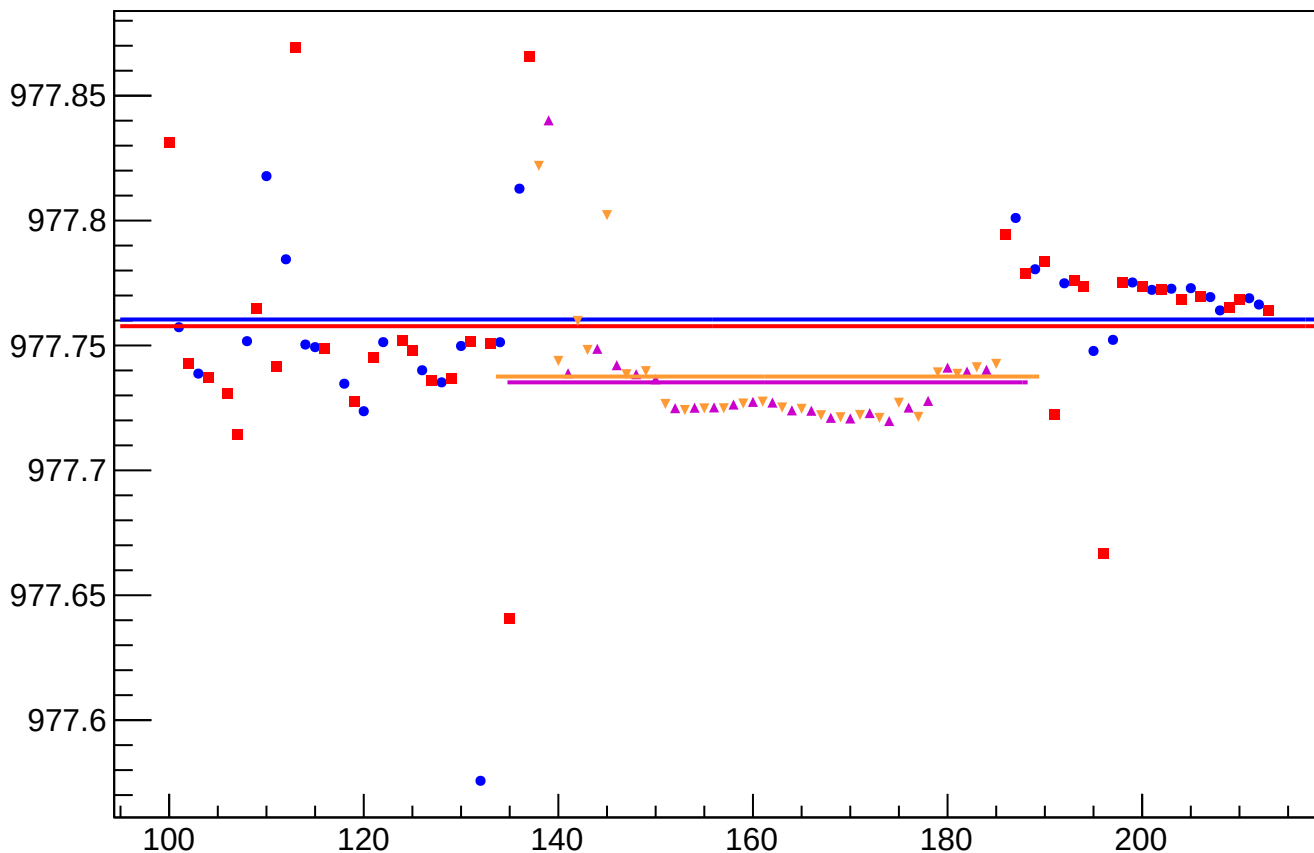
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.567+/-0.000 χ^2/NDF : 55414850579770469364233085648896.0/28
Left Out: 762.518+/-0.000 χ^2/NDF : 767703709161817083348479115264.0/24
Right Out: 755.591+/-0.000 χ^2/NDF : 7344181242626248421268235447082942464.0/33
Left In: 762.519+/-0.000 χ^2/NDF : 670647537781259394452119617536.0/22

+ sign 762.541+/-0.000 χ^2/NDF : 584742682838383
All: 760.764+/-0.000 χ^2/NDF : 741437563214
- sign 759.013+/-0.000 χ^2/NDF : 739047253834217

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760 $\pm$ 0.000 χ^2 /NDF: 2223479366867766679738412695552.0/28

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1178407872566336572325000904704.0/24

Right Out: 977.758 $\pm$ 0.000 χ^2 /NDF: 2862573103418433026441355460608.0/33

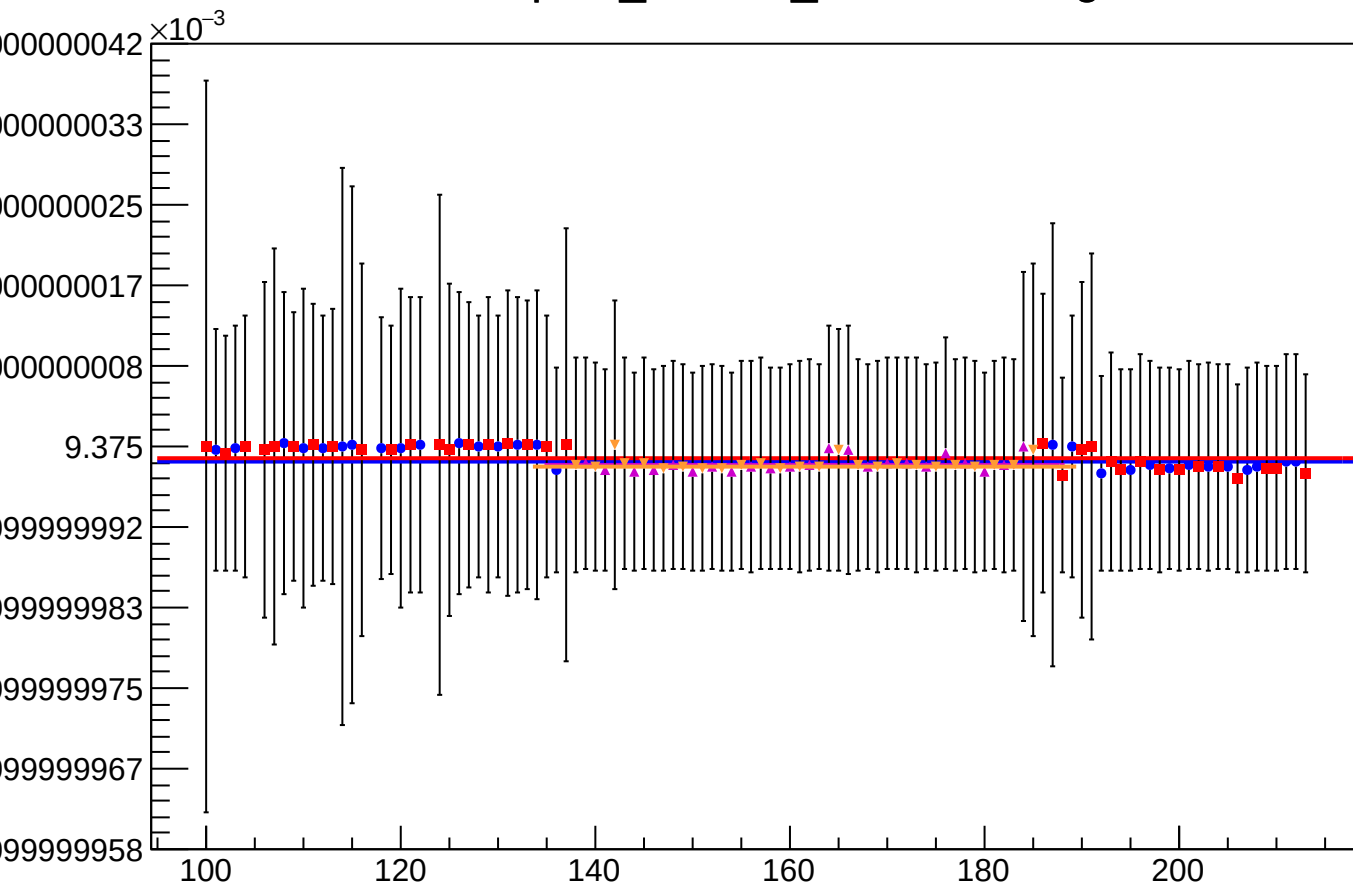
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 1096766437605417254627072540672.0/22

+ sign 977.748 $\pm$ 0.000 χ^2 /NDF: 389603056288298

All: 977.747 $\pm$ 0.000 χ^2 /NDF: 834837321107

- sign 977.747 $\pm$ 0.000 χ^2 /NDF: 444700536391852

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/33

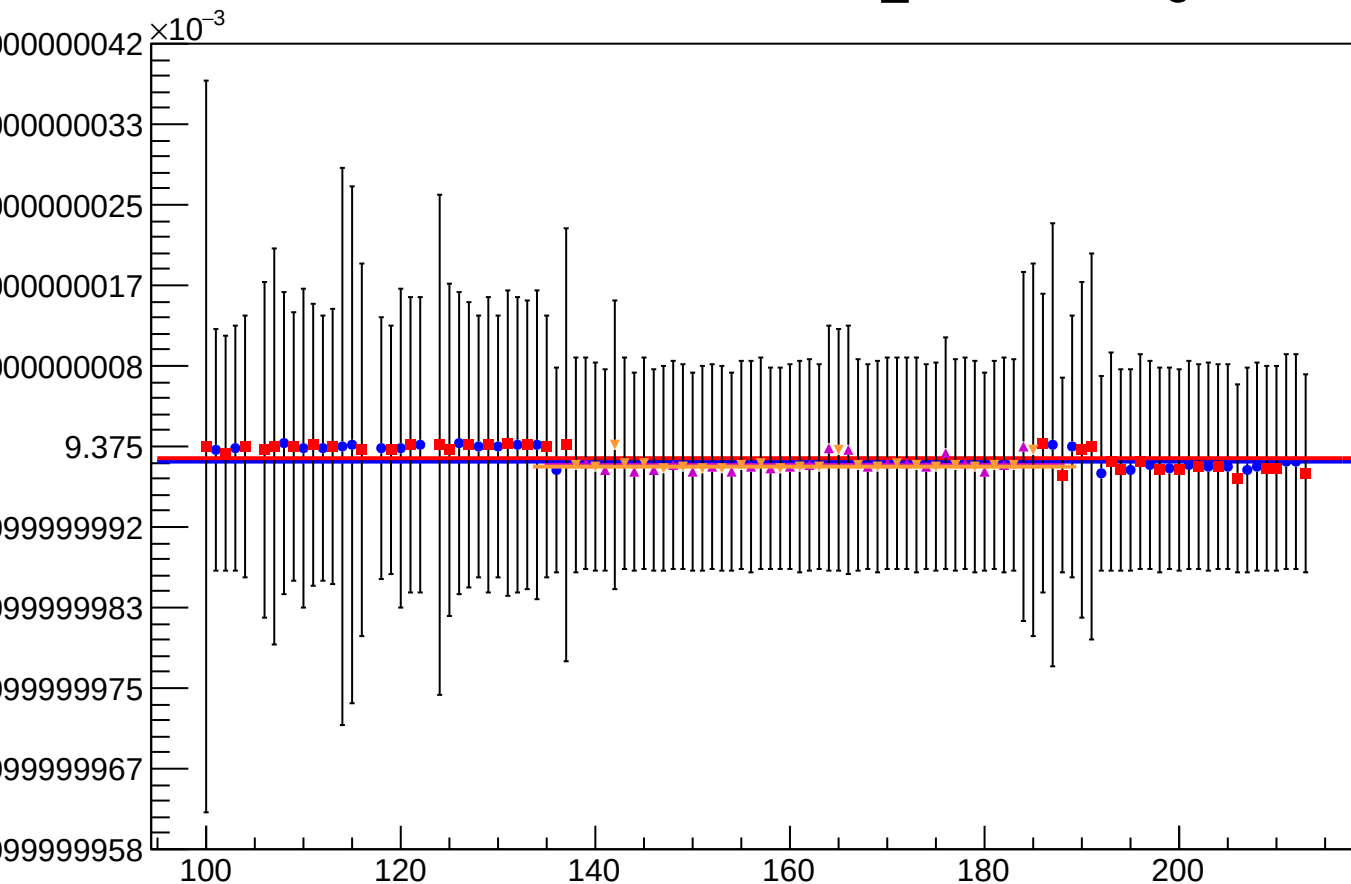
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/56

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/28

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/33

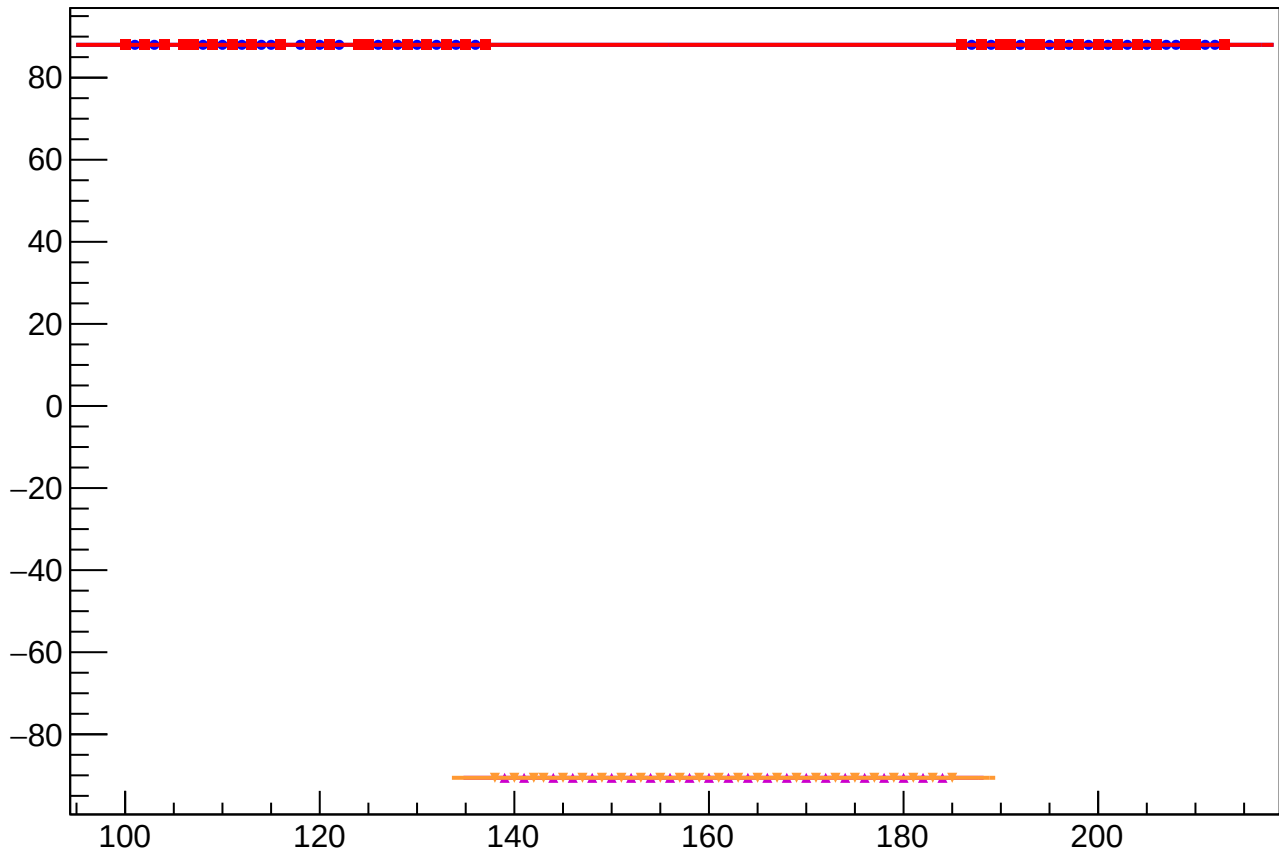
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/53

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.9/110

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/56

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 6247879.3/28

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5219558.1/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 76625375521624035848552972288.0/33

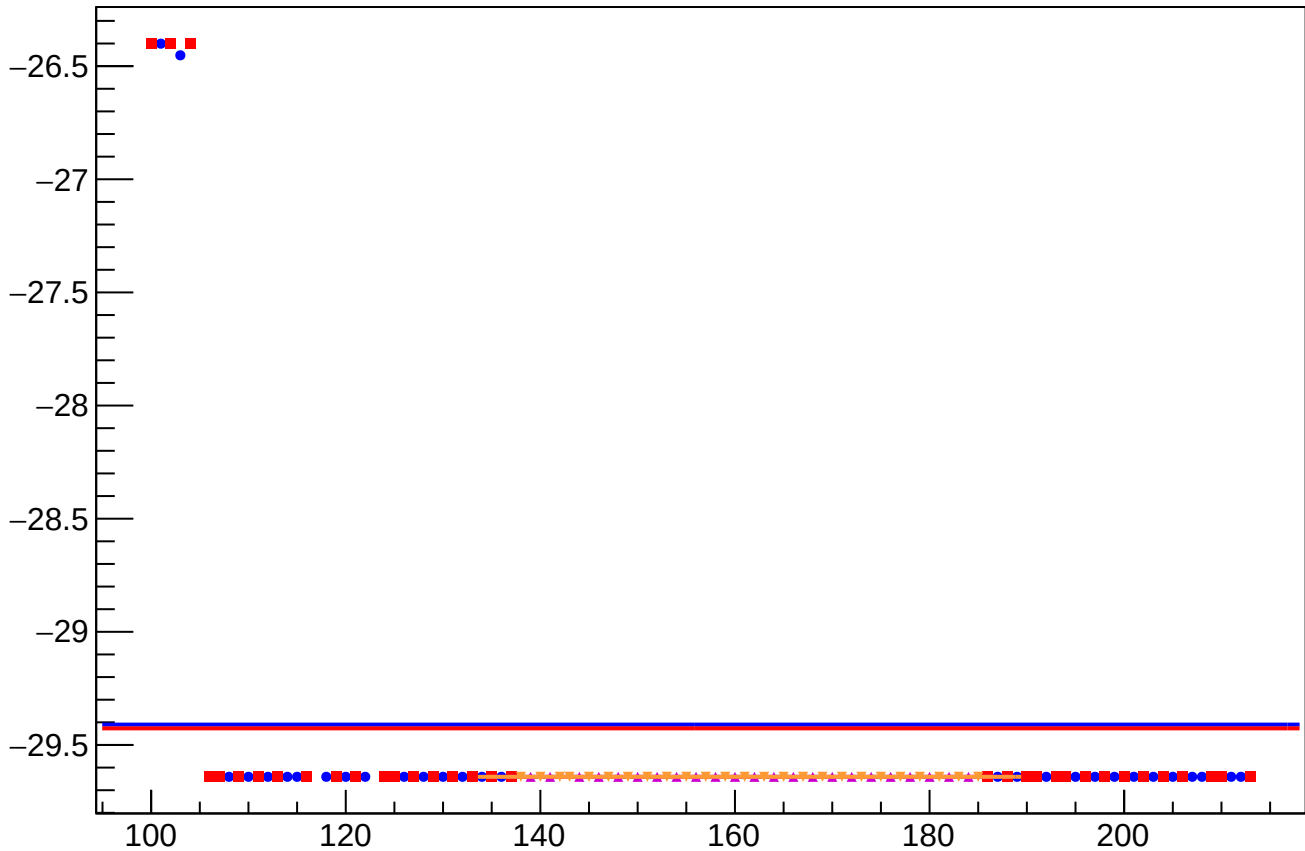
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7520558.1/22

+ sign -6.795 $\pm$ 0.000 χ^2 /NDF: 3020416322238821

All: -3.479 $\pm$ 0.000 χ^2 /NDF: 6105654544984

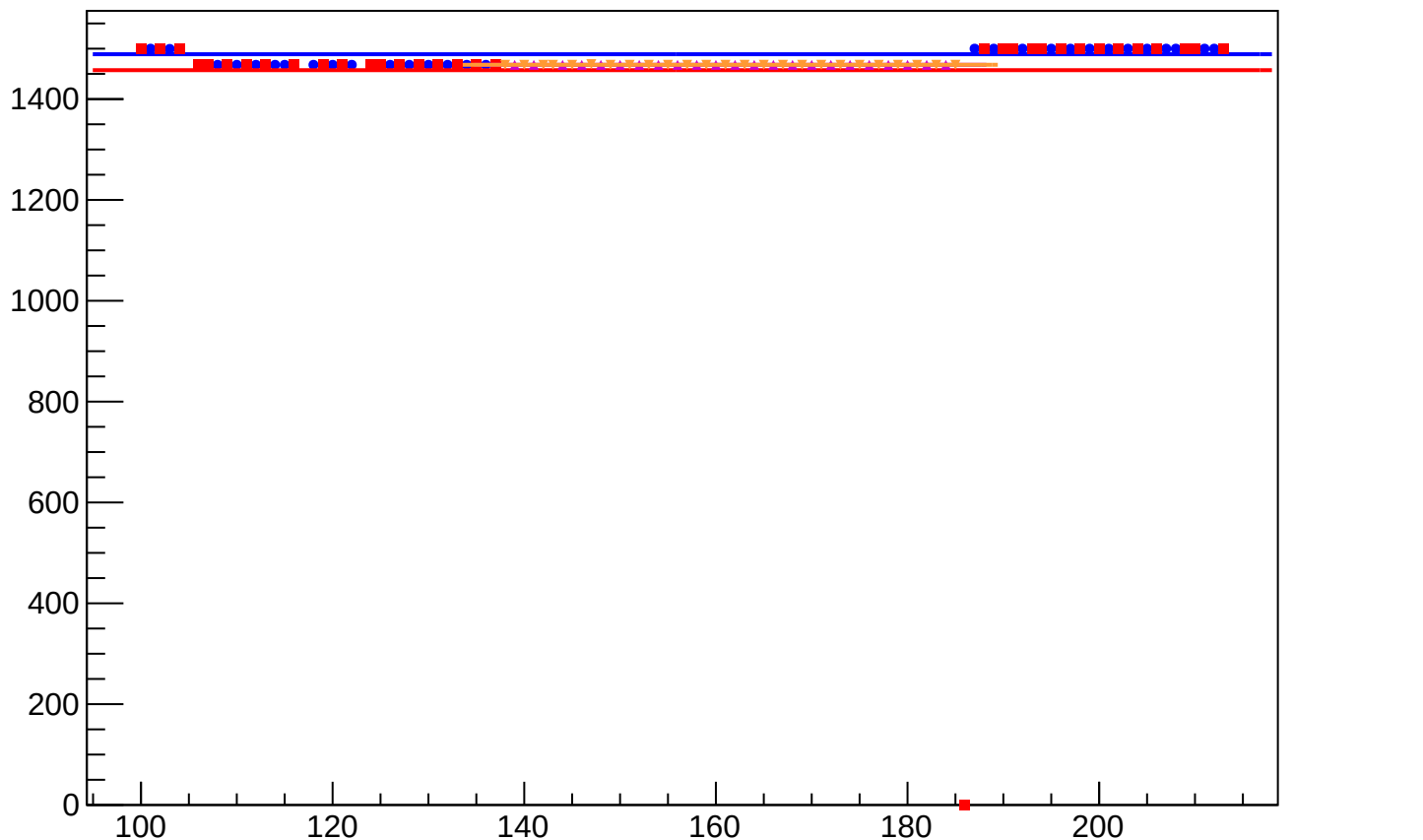
- sign -0.211 $\pm$ 0.000 χ^2 /NDF: 30769356106965140

HWienAngle_mean vs Slug



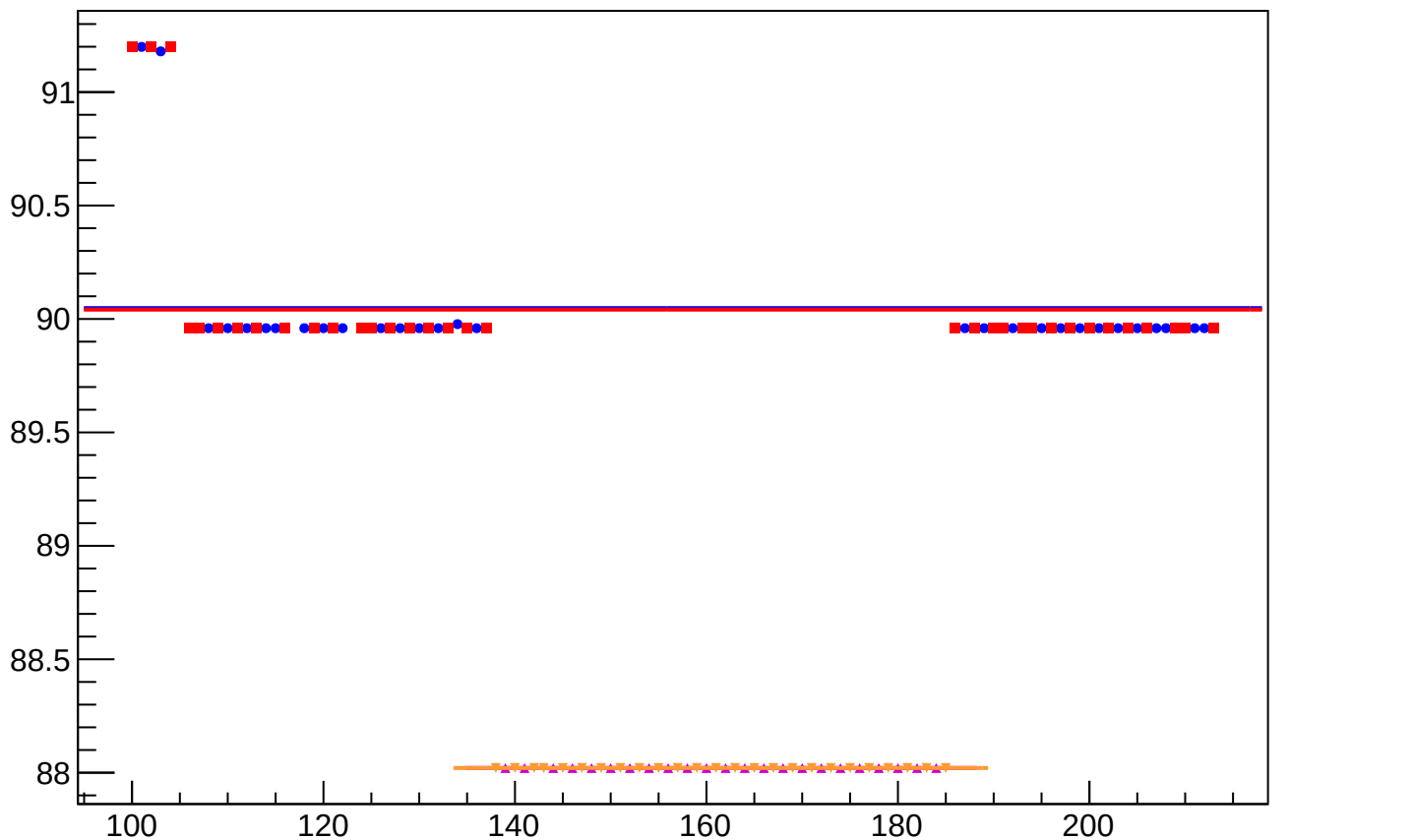
Right In: -29.410+/-0.000 χ^2/NDF : 1227956274311339217695805169205248.0/28
 Left Out: -29.641+/-0.000 χ^2/NDF : 409122.2/24 + sign -29.532+/-0.000 χ^2/NDF : 127833088022844
 Right Out: -29.427+/-0.000 χ^2/NDF : 1264743107834101604959870580162560.0/33 All: -29.532+/-0.000 χ^2/NDF : 258725294294
 Left In: -29.641+/-0.000 χ^2/NDF : 290780.4/22 - sign -29.532+/-0.000 χ^2/NDF : 1308922050272081

psub_pl_pos_mean vs Slug



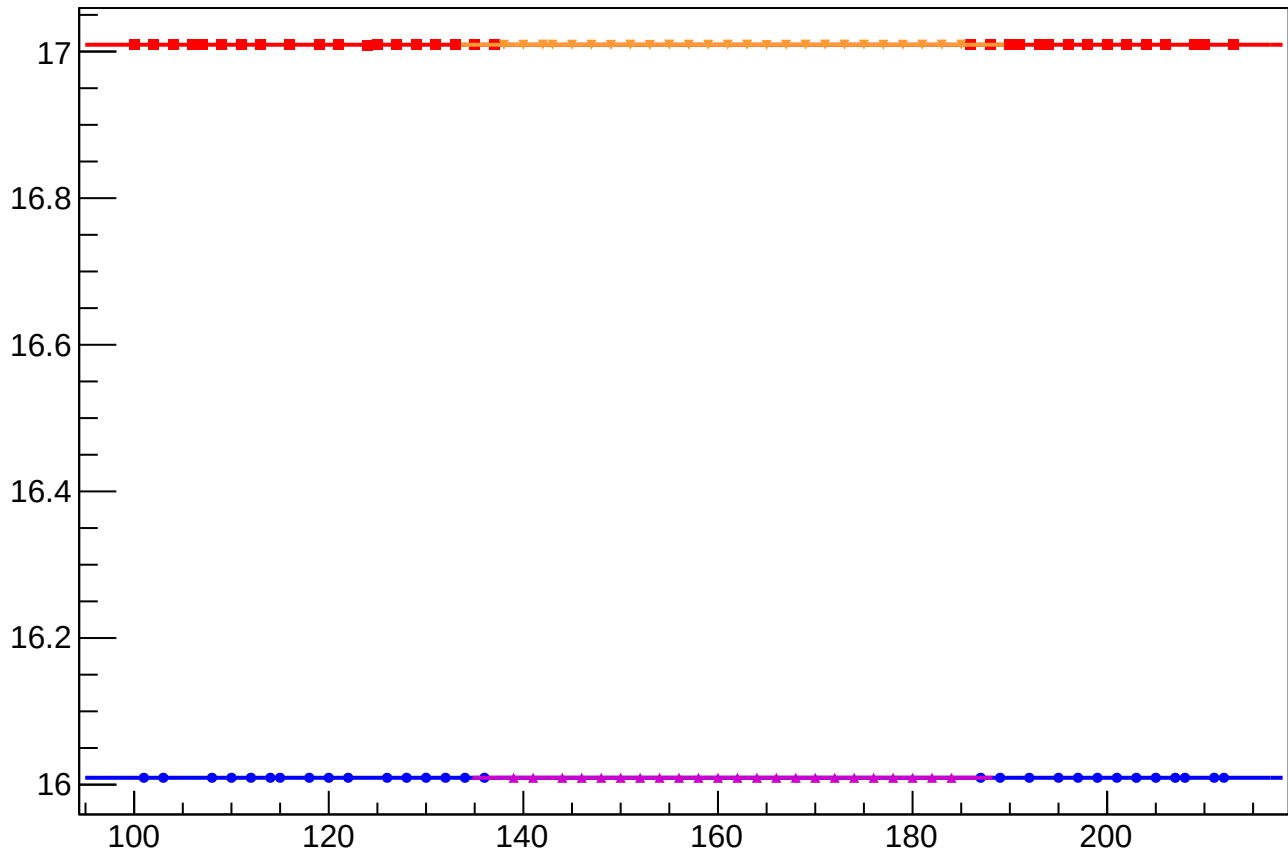
Right In: 1488.980+/-0.000 χ^2/NDF : 411886437651938985612407873120239616.0/28
 Left Out: 1468.051+/-0.000 χ^2/NDF : 139558223587677068165594208010240.0/24
 Right Out: 1457.348+/-0.000 χ^2/NDF : 91595950156529964138348047858329976832.0/33
 Left In: 1467.994+/-0.000 χ^2/NDF : 155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



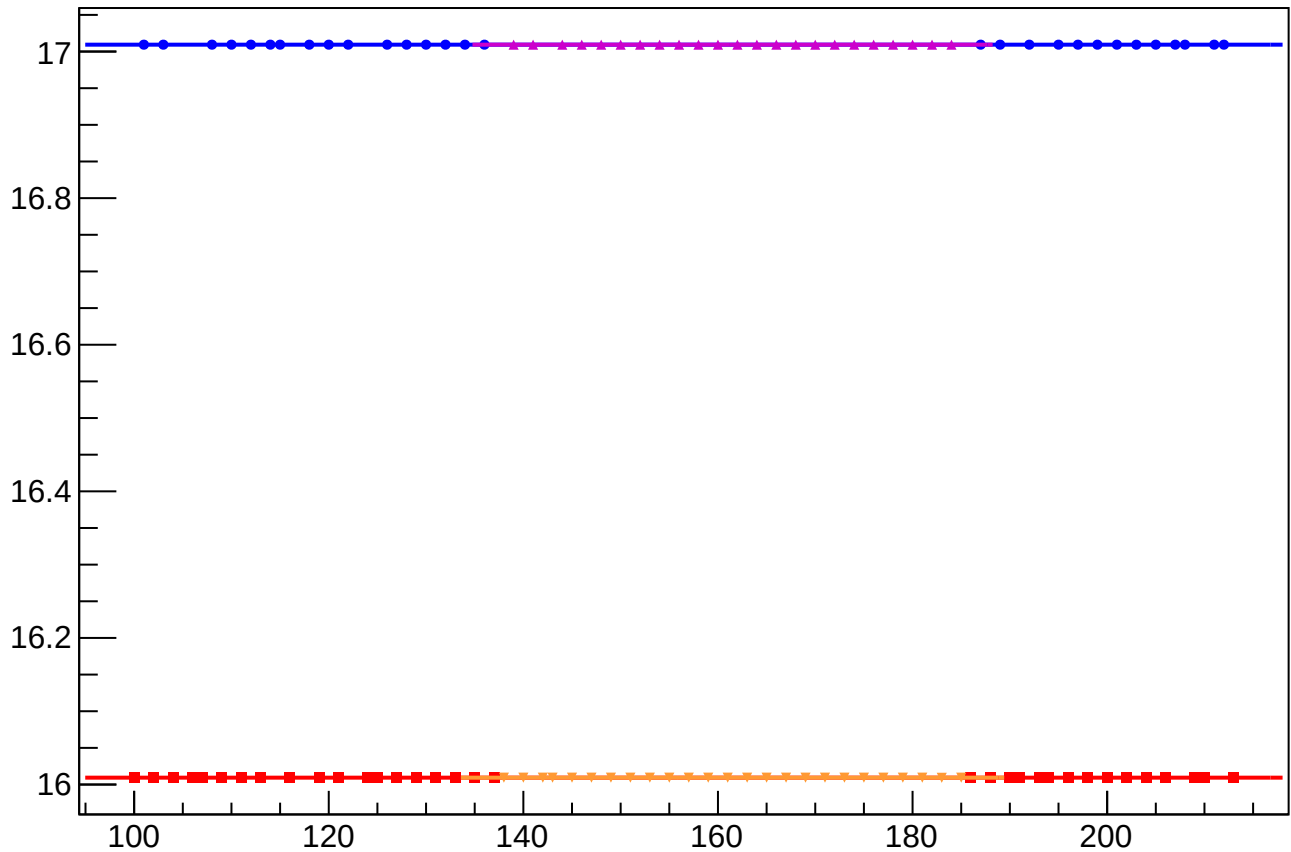
Right In: 90.048 $\pm$ 0.000 χ^2/NDF : 179750240541599578178715547336704.0/28
 Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 5113333.3/24
 Right Out: 90.041 $\pm$ 0.000 χ^2/NDF : 185248914285740654598325547302912.0/33
 Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 7159272.4/22

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000	χ^2 /NDF: 106652216588702989680640.0/28	+ sign 16.527 $\pm$ 0.000	χ^2 /NDF: 9029394601883394
Left Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 27990345675883689673752576.0/24	All: 16.526 $\pm$ 0.000	χ^2 /NDF: 1814913015729
Right Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 21123547750939981172965376.0/33	- sign 16.525 $\pm$ 0.000	χ^2 /NDF: 9119667685835323
Left In: 16.009 $\pm$ 0.000	χ^2 /NDF: 124687912167063523688448.0/22		

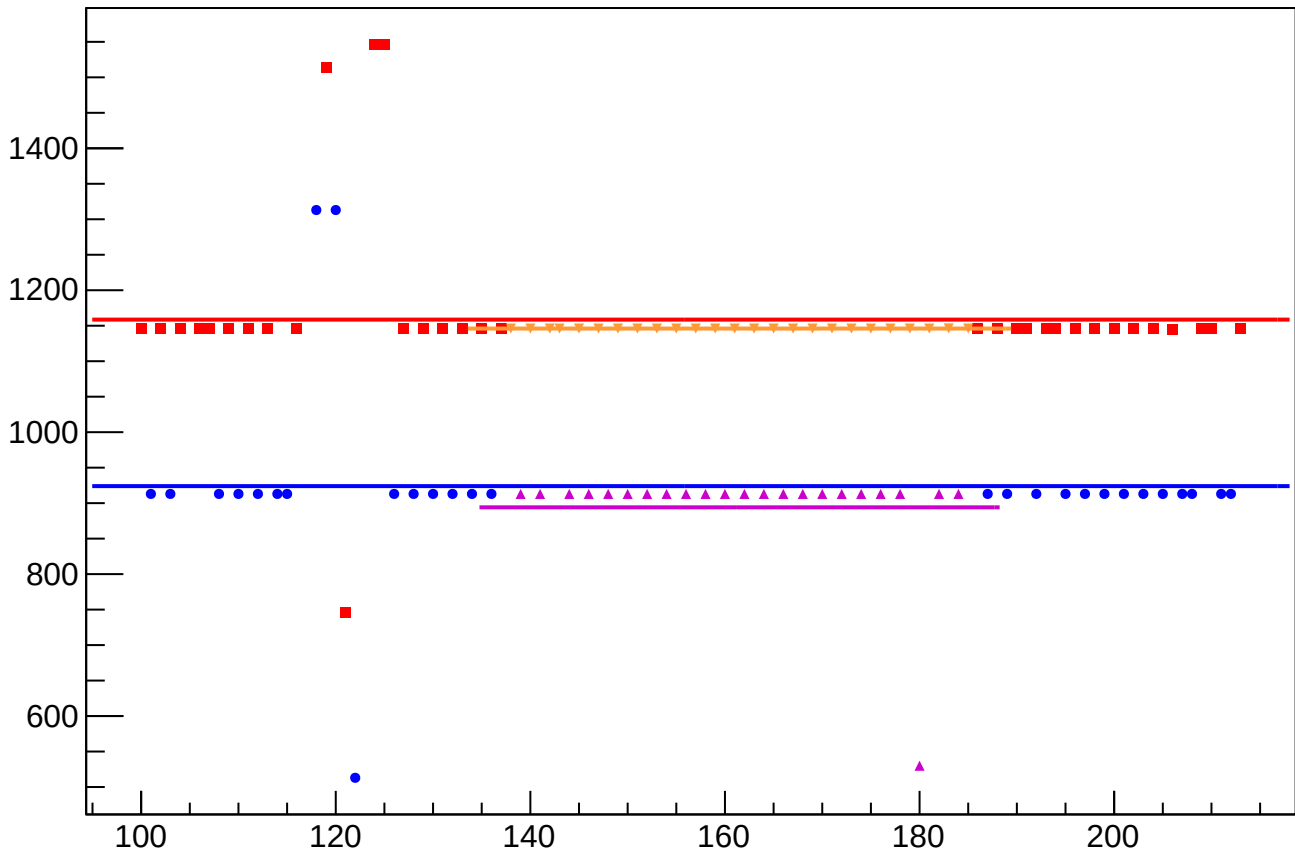
IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 106668206142631285096448.0/28
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 2818892758481805649117184.0/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 24446367637422135574528.0/33
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 111007104420881566269440.0/22

+ sign 16.477 $\pm$ 0.000 χ^2 /NDF: 9315986767972469
 All: 16.487 $\pm$ 0.000 χ^2 /NDF: 1884132545997
 - sign 16.498 $\pm$ 0.000 χ^2 /NDF: 9517284409998869

RTPAPOSUCNT_mean vs Slug



Right In: 923.981+/-0.000 χ^2/NDF : 21386065782607235725560897405292904448.0/28

Left Out: 1146.020+/-0.000 χ^2/NDF : 3703071297941871459906430697472.0/24

Right Out: 1158.608+/-0.000 χ^2/NDF : 22636707417050087460710960893561667584.0/33

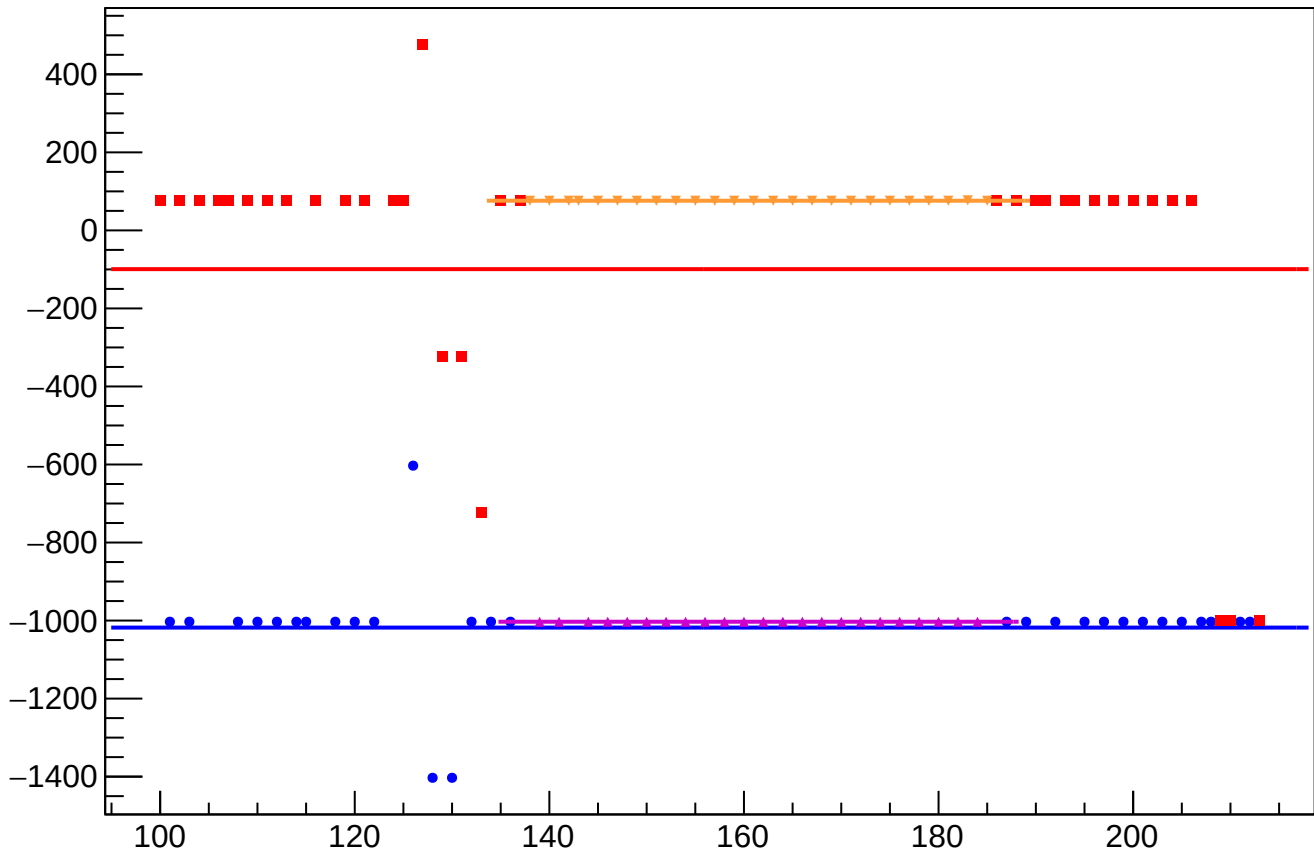
Left In: 894.107+/-0.000 χ^2/NDF : 13107238299211712783896183802964213760.0/22

+ sign 1041.833+/-0.000 χ^2/NDF : 68069485115810

All: 1034.849+/-0.000 χ^2/NDF : 17166648285

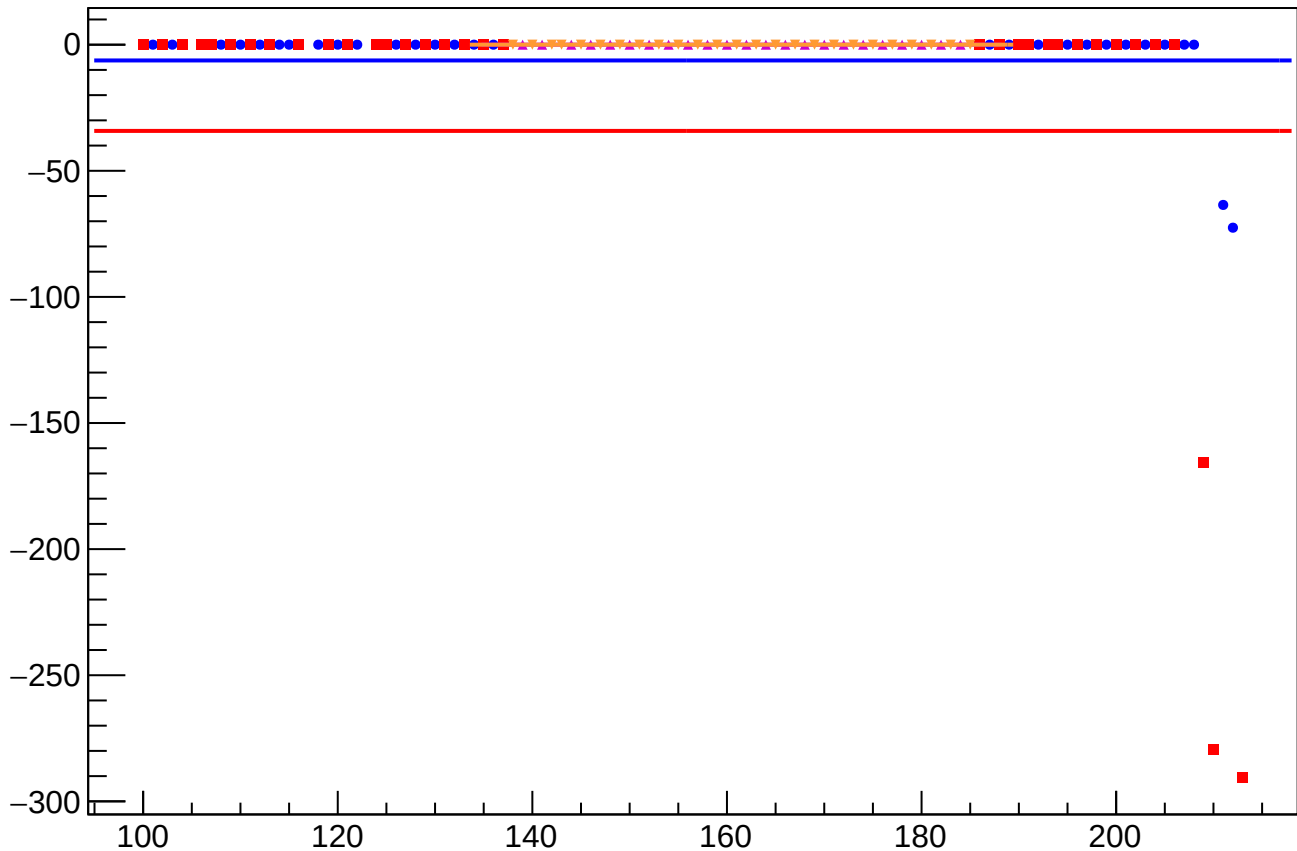
- sign 1027.968+/-0.000 χ^2/NDF : 10322883743901

RTPAPOSVCNT_mean vs Slug



Right In: -1018.011 $\pm$ 0.000 χ^2/NDF : 23437085640398090884265748748476350464.0/28
 Left Out: 76.053 $\pm$ 0.000 χ^2/NDF : 81371196294580866514571210260480.0/24
 Right Out: -99.307 $\pm$ 0.000 χ^2/NDF : 303167395998756129143883134171890057216.0/33
 Left In: -1002.990 $\pm$ 0.000 χ^2/NDF : 2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -6.247 ± 0.000 χ^2/NDF : 693021968634920500199082994629083136.0/28

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.1/24

Right Out: -34.184 ± 0.000 χ^2/NDF : 15028647083692268644278485145503137792.0/33

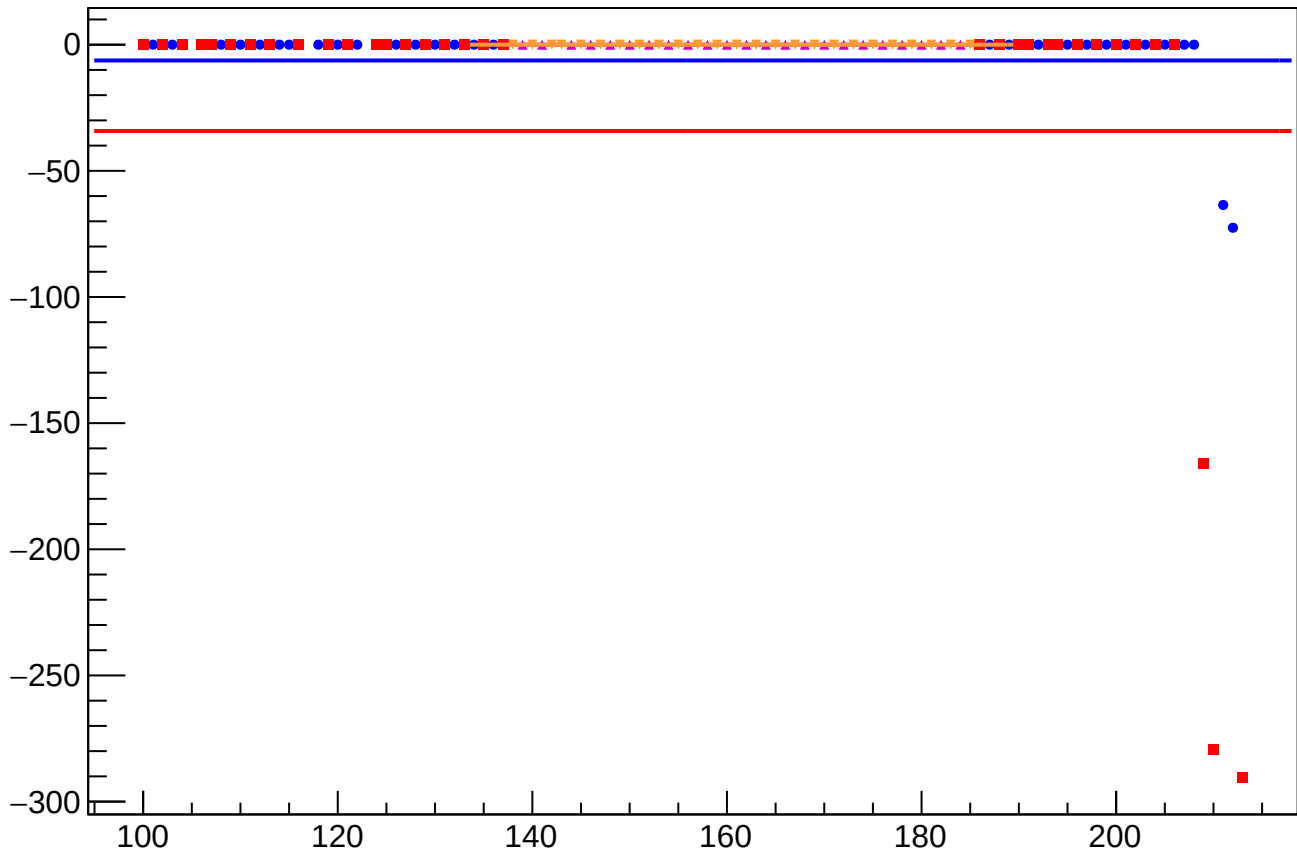
Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/22

+ sign -2.926 ± 0.000 χ^2/NDF : 7300803945679031

All: -10.164 ± 0.000 χ^2/NDF : 172820039721

- sign -17.296 ± 0.000 χ^2/NDF : 1615647309468675

RTPPITA2CNT_mean vs Slug



Right In: -6.247+/-0.000 χ^2/NDF : 693021968634920500199082994629083136.0/28

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: -34.195+/-0.000 χ^2/NDF : 15028331202297709772114261875630276608.0/33

Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign -2.926+/-0.000 χ^2/NDF : 7300803945679031

All: -10.167+/-0.000 χ^2/NDF : 172826925909

- sign -17.301+/-0.000 χ^2/NDF : 1615686347798636