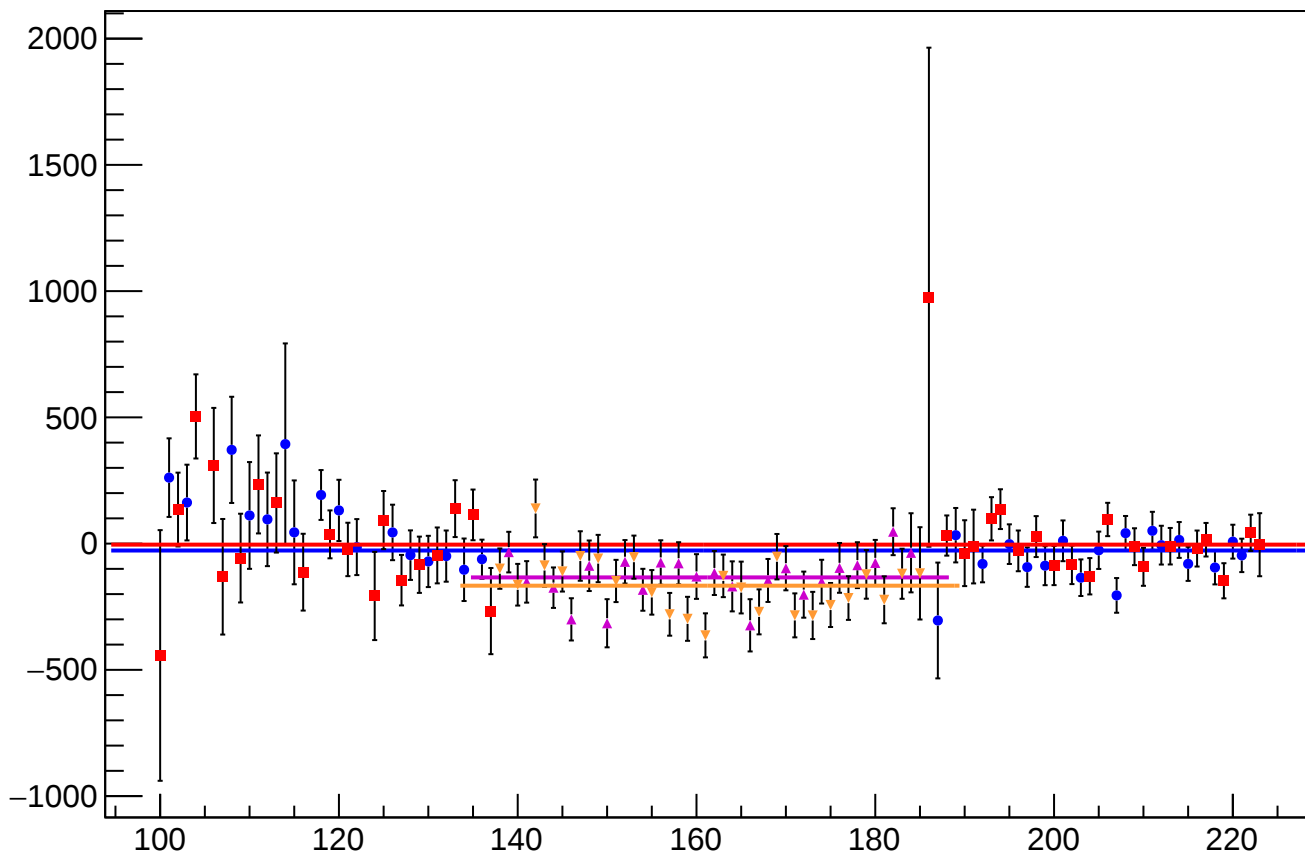


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.326 ± 15.365 $\chi^2/\text{NDF}: 36.1/33$

Left Out: -166.675 ± 18.079 $\chi^2/\text{NDF}: 31.6/24$

Right Out: -4.072 ± 15.600 $\chi^2/\text{NDF}: 46.1/38$

Left In: -133.850 ± 18.756 $\chi^2/\text{NDF}: 20.7/22$

Left: -150.865 ± 13.016 $\chi^2/\text{NDF}: 54.0/47$

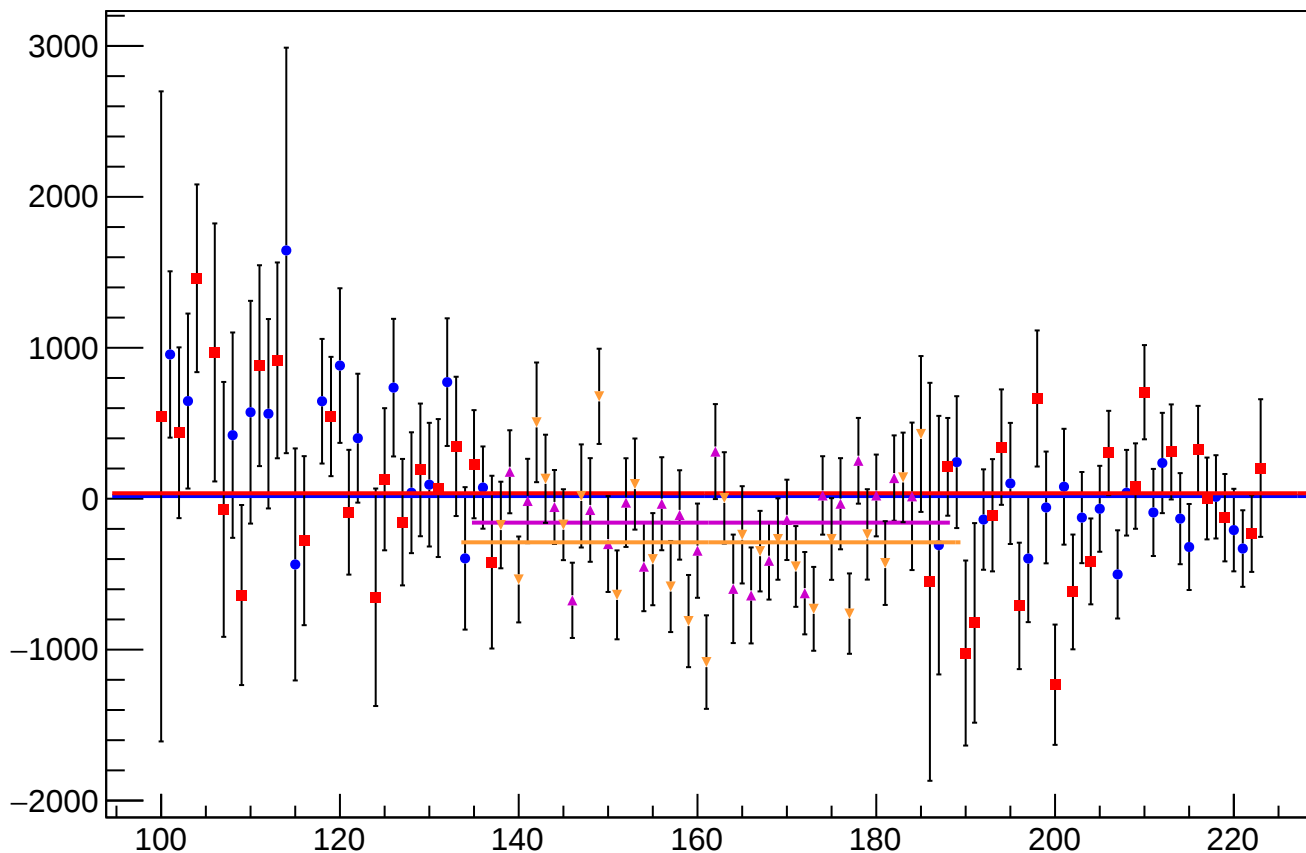
Right: -15.875 ± 10.947 $\chi^2/\text{NDF}: 83.3/72$

In: -70.107 ± 11.886 $\chi^2/\text{NDF}: 76.1/56$

Out: -73.470 ± 11.811 $\chi^2/\text{NDF}: 124.1/63$

All: -71.799 ± 8.378 $\chi^2/\text{NDF}: 200.3/120$

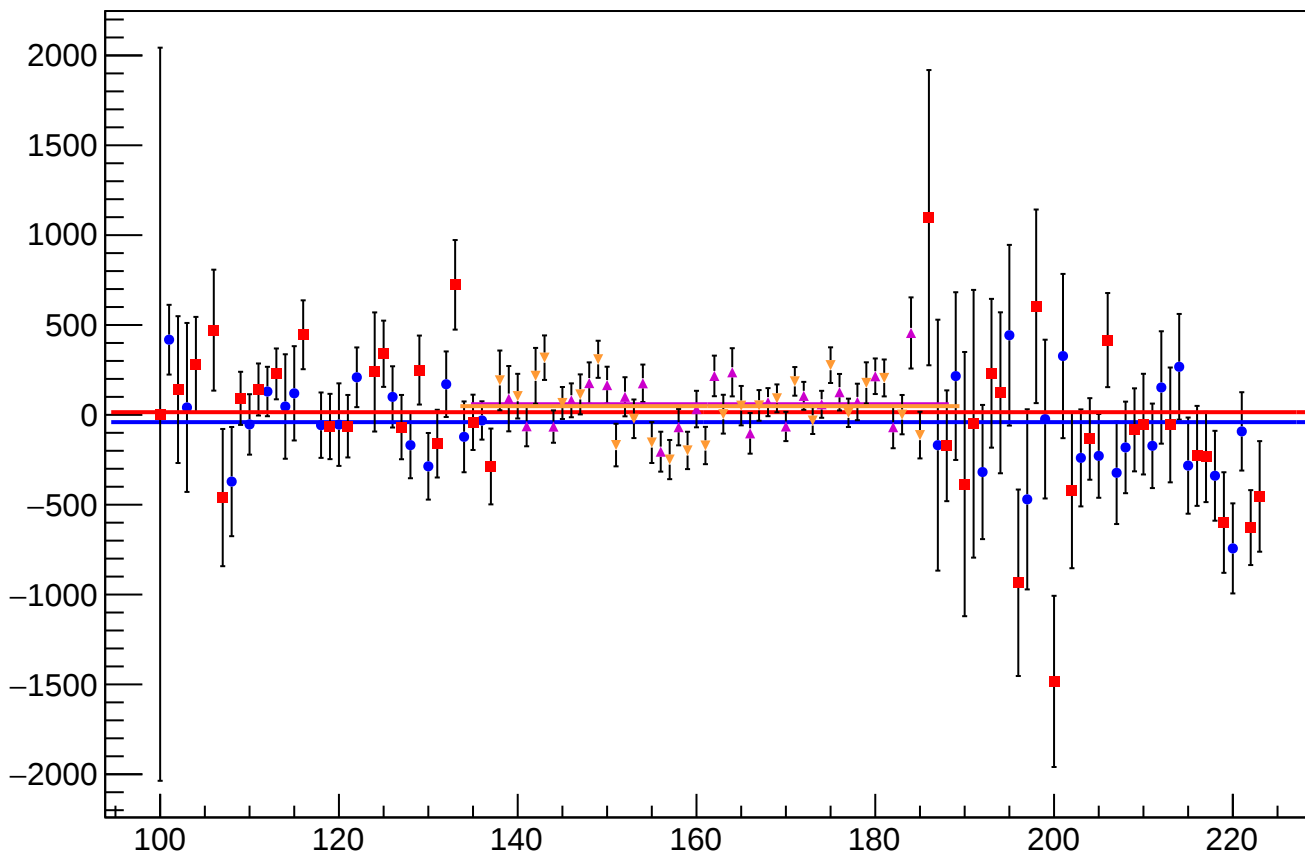
eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 17.556 ± 63.739 $\chi^2/\text{NDF}: 30.0/33$
 Left Out: -288.928 ± 59.035 $\chi^2/\text{NDF}: 42.4/24$
 Right Out: 36.132 ± 64.835 $\chi^2/\text{NDF}: 52.0/38$
 Left In: -158.612 ± 60.708 $\chi^2/\text{NDF}: 22.5/22$

Left: -225.590 ± 42.323 $\chi^2/\text{NDF}: 67.3/47$
 Right: 26.686 ± 45.453 $\chi^2/\text{NDF}: 82.1/72$
 In: -74.816 ± 43.959 $\chi^2/\text{NDF}: 56.5/56$
 Out: -141.584 ± 43.651 $\chi^2/\text{NDF}: 108.2/63$
 All: -108.436 ± 30.974 $\chi^2/\text{NDF}: 165.9/120$

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -40.559 $\pm$ 38.432 χ^2 /NDF: 33.1/33

Left Out: 48.399 $\pm$ 20.423 χ^2 /NDF:53.6/24

Right Out: 14.832 $\pm$ 38.636 χ^2 /NDF: 69.3/38

Left In: 59.016 $\pm$ 21.156 χ^2 /NDF:30.6/22

Left: 53.521 $\pm$ 14.694 χ^2 /NDF: 84.3/47

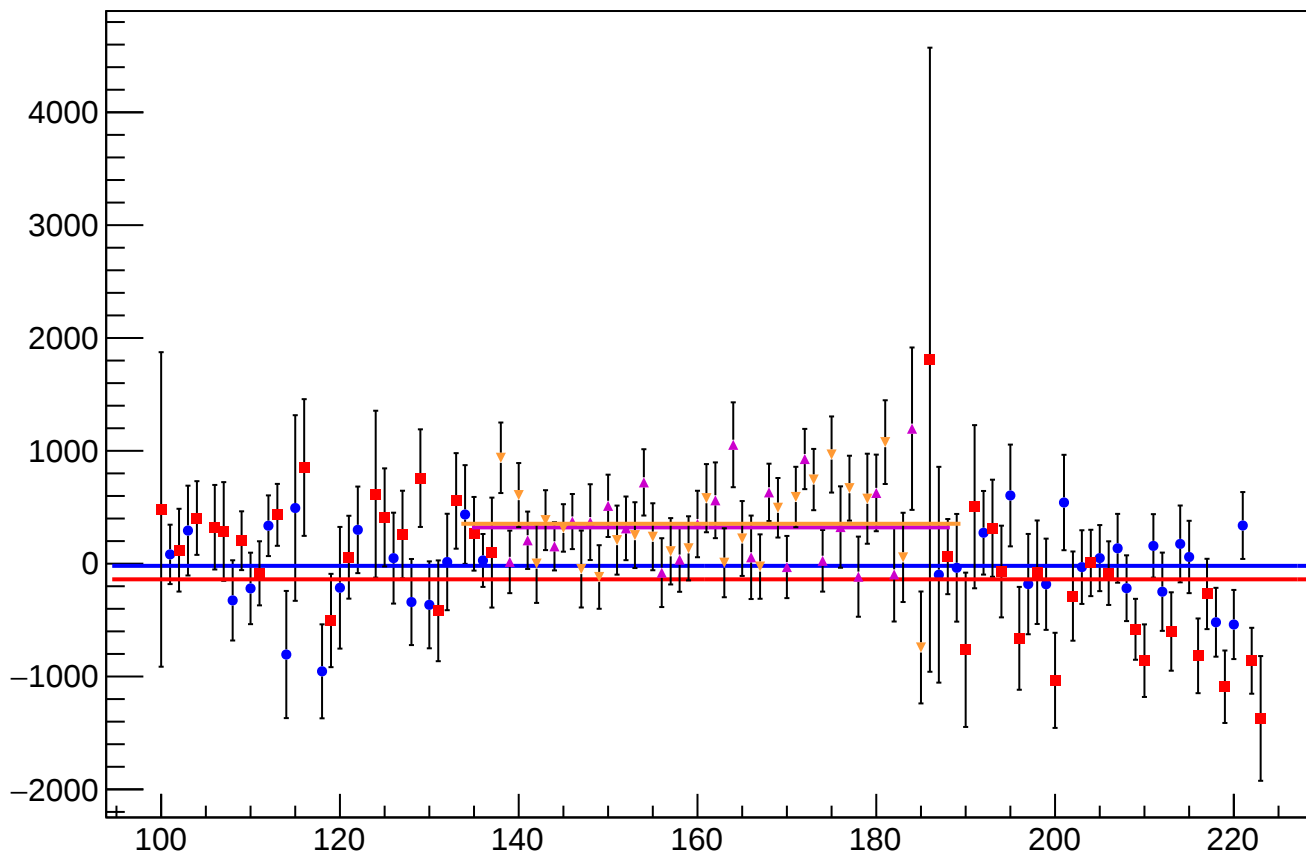
Right: -13.010 $\pm$ 27.247 χ^2 /NDF: 103.4/72

In: 35.859 $\pm$ 18.533 χ^2 /NDF:68.9/56

Out: 41.068 $\pm$ 18.056 χ^2 /NDF:123.4/63

All: 38.532 $\pm$ 12.933 χ^2 /NDF: 192.3/120

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -19.338 ± 60.644 χ^2/NDF : 28.1/33

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: -138.772 ± 60.243 χ^2/NDF : 72.2/38

Left In: 321.514 ± 62.113 χ^2/NDF : 26.2/22

Left: 338.093 ± 43.209 χ^2/NDF : 58.7/47

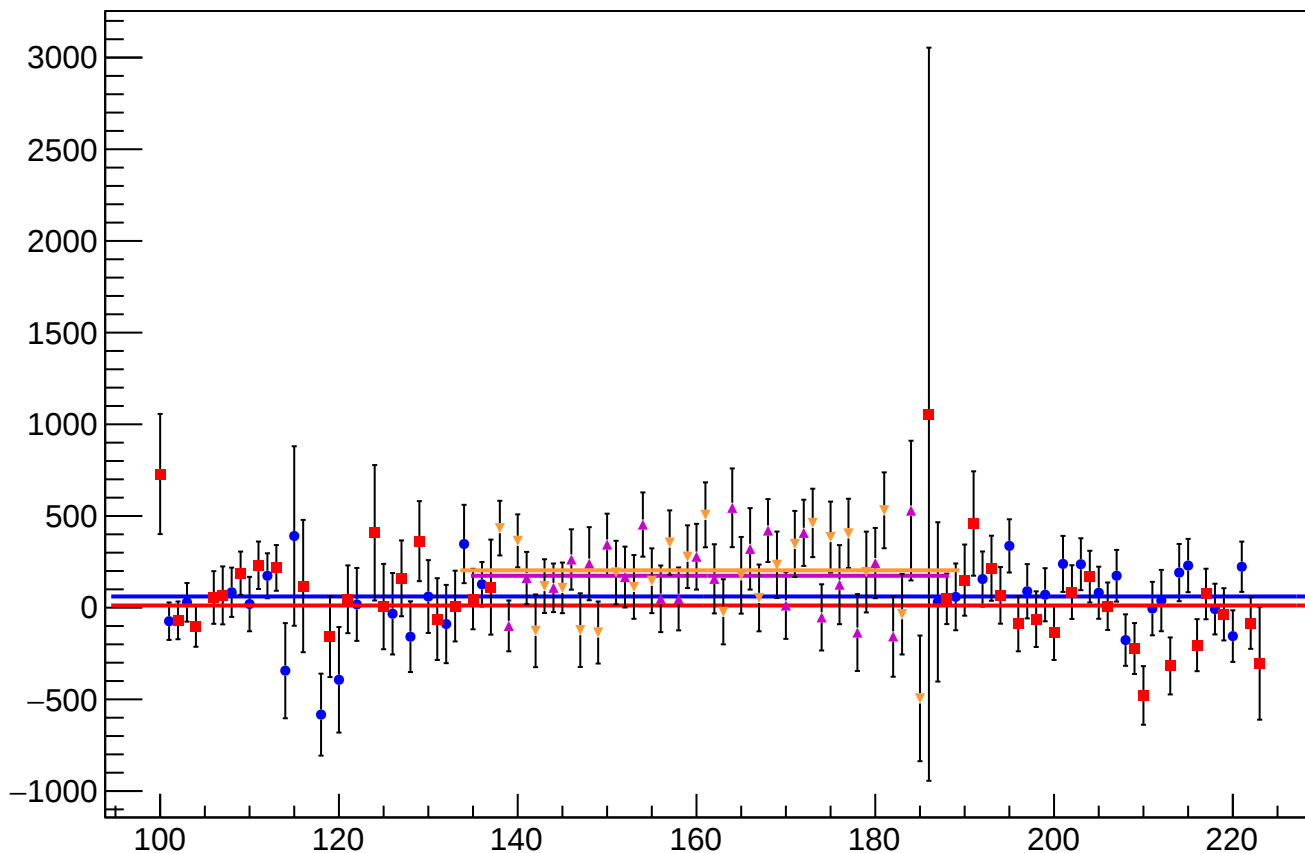
Right: -79.452 ± 42.739 χ^2/NDF : 102.3/72

In: 147.009 ± 43.392 χ^2/NDF : 69.8/56

Out: 107.818 ± 42.565 χ^2/NDF : 138.0/63

All: 127.036 ± 30.386 χ^2/NDF : 208.2/120

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 61.140+/-26.674 χ^2/NDF : 37.4/33

Left Out: 203.766+/-35.878 χ^2/NDF : 32.9/24

Right Out: 11.940+/-25.853 χ^2/NDF : 48.7/38

Left In: 173.978+/-37.405 χ^2/NDF : 24.5/22

Left: 189.493+/-25.893 χ^2/NDF : 57.7/47

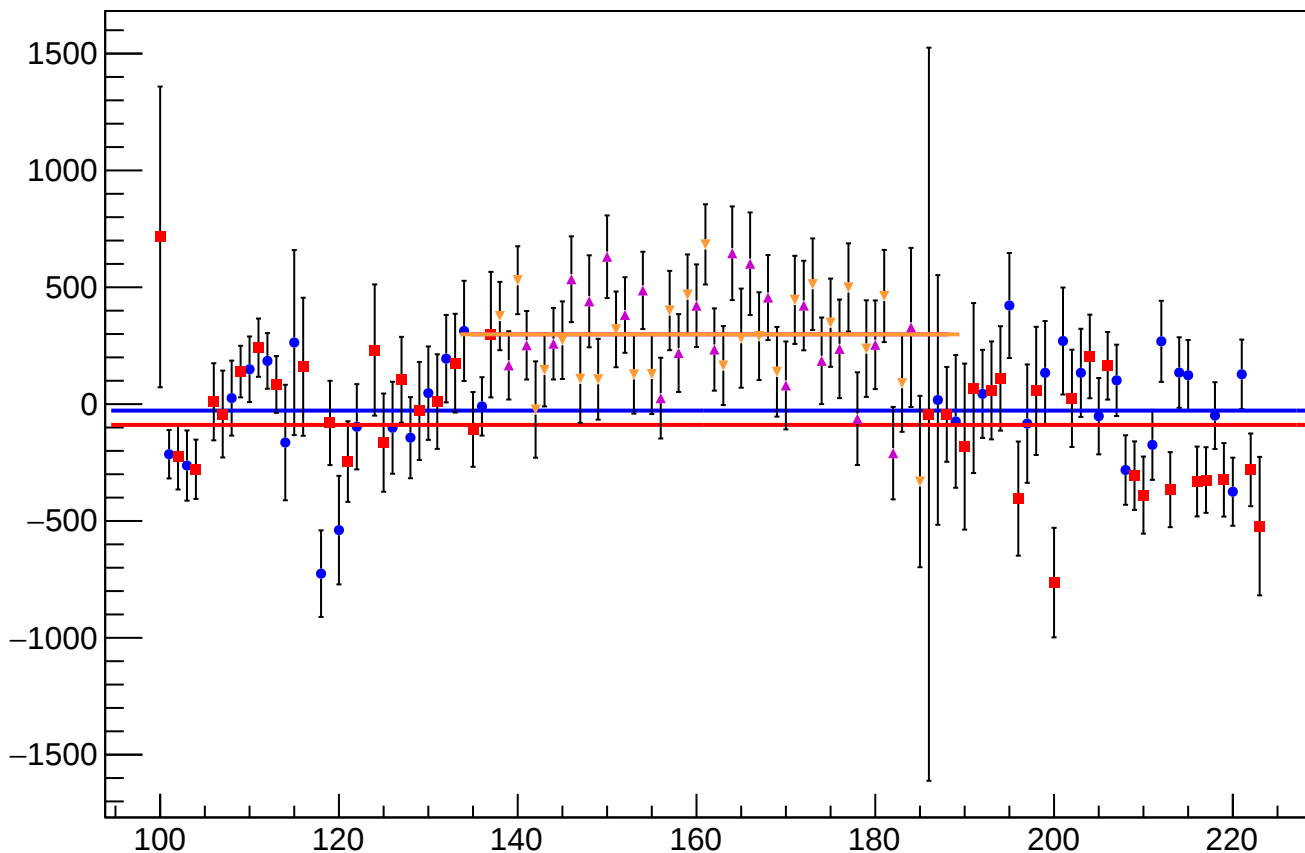
Right: 35.771+/-18.564 χ^2/NDF : 87.8/72

In: 99.178+/-21.718 χ^2/NDF : 67.9/56

Out: 77.502+/-20.975 χ^2/NDF : 100.3/63

All: 87.963+/-15.087 χ^2/NDF : 168.8/120

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.633 ± 29.155 χ^2/NDF : 59.0/33

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: -88.834 ± 28.820 χ^2/NDF : 64.3/38

Left In: 298.682 ± 37.727 χ^2/NDF : 29.4/22

Left: 298.597 ± 26.064 χ^2/NDF : 55.4/47

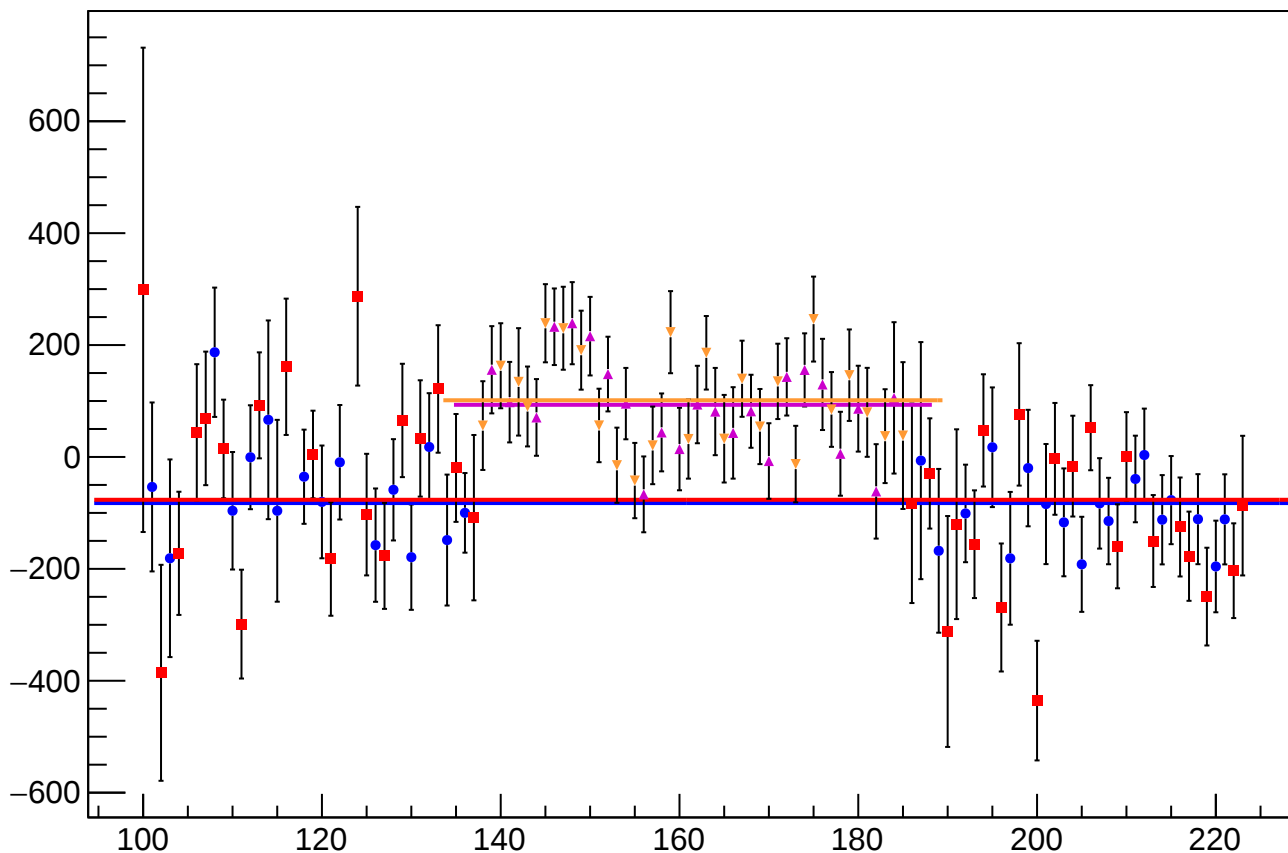
Right: -58.587 ± 20.497 χ^2/NDF : 125.5/72

In: 94.381 ± 23.069 χ^2/NDF : 135.3/56

Out: 62.199 ± 22.511 χ^2/NDF : 160.7/63

All: 77.896 ± 16.111 χ^2/NDF : 297.0/120

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -82.400 ± 16.514 $\chi^2/\text{NDF}: 19.4/33$

Left Out: 101.325 ± 14.642 $\chi^2/\text{NDF}: 33.9/24$

Right Out: -76.530 ± 16.421 $\chi^2/\text{NDF}: 69.1/38$

Left In: 93.235 ± 15.137 $\chi^2/\text{NDF}: 28.8/22$

Left: 97.414 ± 10.524 $\chi^2/\text{NDF}: 62.9/47$

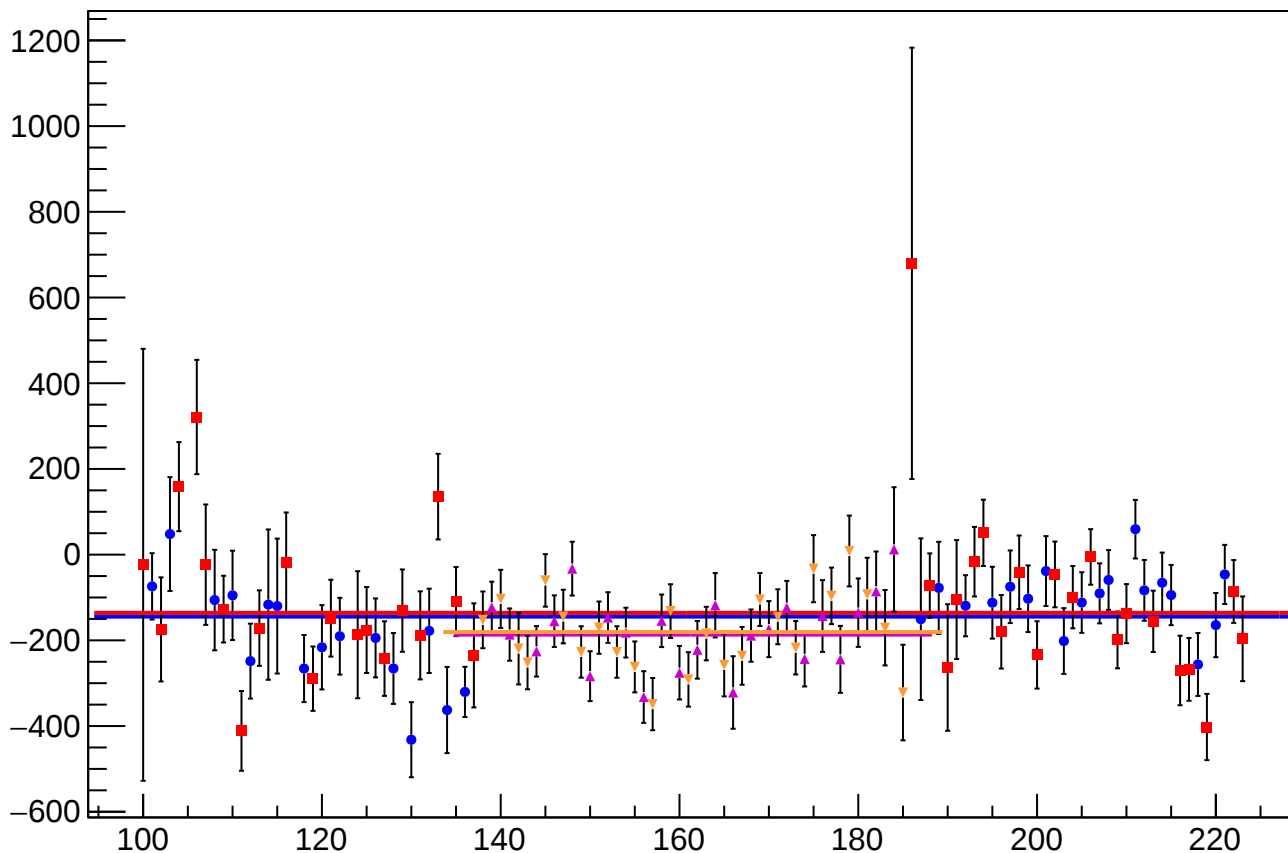
Right: -79.448 ± 11.644 $\chi^2/\text{NDF}: 88.5/72$

In: 13.048 ± 11.159 $\chi^2/\text{NDF}: 109.7/56$

Out: 22.552 ± 10.928 $\chi^2/\text{NDF}: 168.3/63$

All: 17.899 ± 7.808 $\chi^2/\text{NDF}: 278.3/120$

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -144.593+/-14.213 χ^2/NDF : 57.0/33

Left Out: -180.680+/-13.419 χ^2/NDF : 38.6/24

Right Out: -135.909+/-14.268 χ^2/NDF : 85.4/38

Left In: -186.567+/-13.860 χ^2/NDF : 29.0/22

Left: -183.529+/-9.641 χ^2/NDF : 67.7/47

Right: -140.268+/-10.070 χ^2/NDF : 142.6/72

In: -166.109+/-9.923 χ^2/NDF : 90.4/56

Out: -159.667+/-9.775 χ^2/NDF : 129.3/63

All: -162.840+/-6.964 χ^2/NDF : 219.9/120