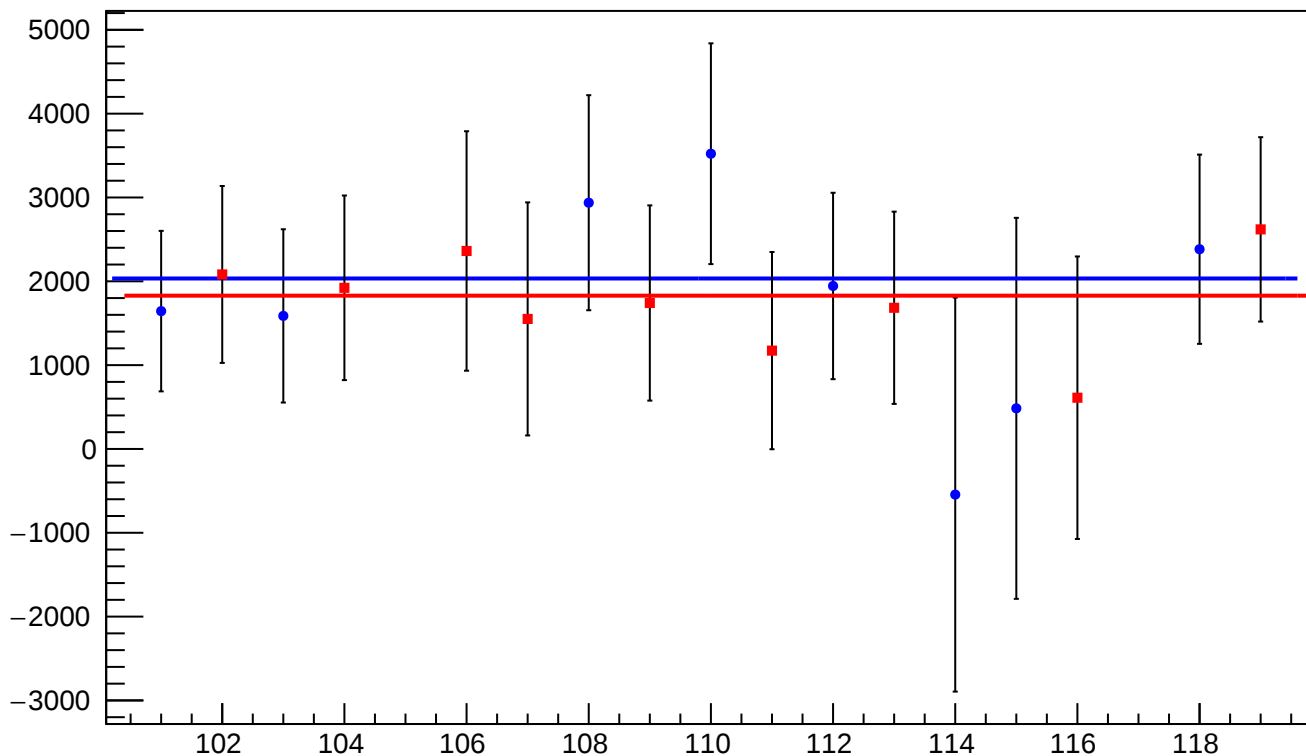


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2033.709+/-439.388  $\chi^2/\text{NDF}$ : 3.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1828.663+/-403.904  $\chi^2/\text{NDF}$ : 1.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000

$\chi^2/\text{NDF}$ : 0.0/0

Right: 1922.573+/-297.358

$\chi^2/\text{NDF}$ : 5.6/16

In: 2033.709+/-439.388

$\chi^2/\text{NDF}$ : 3.9/7

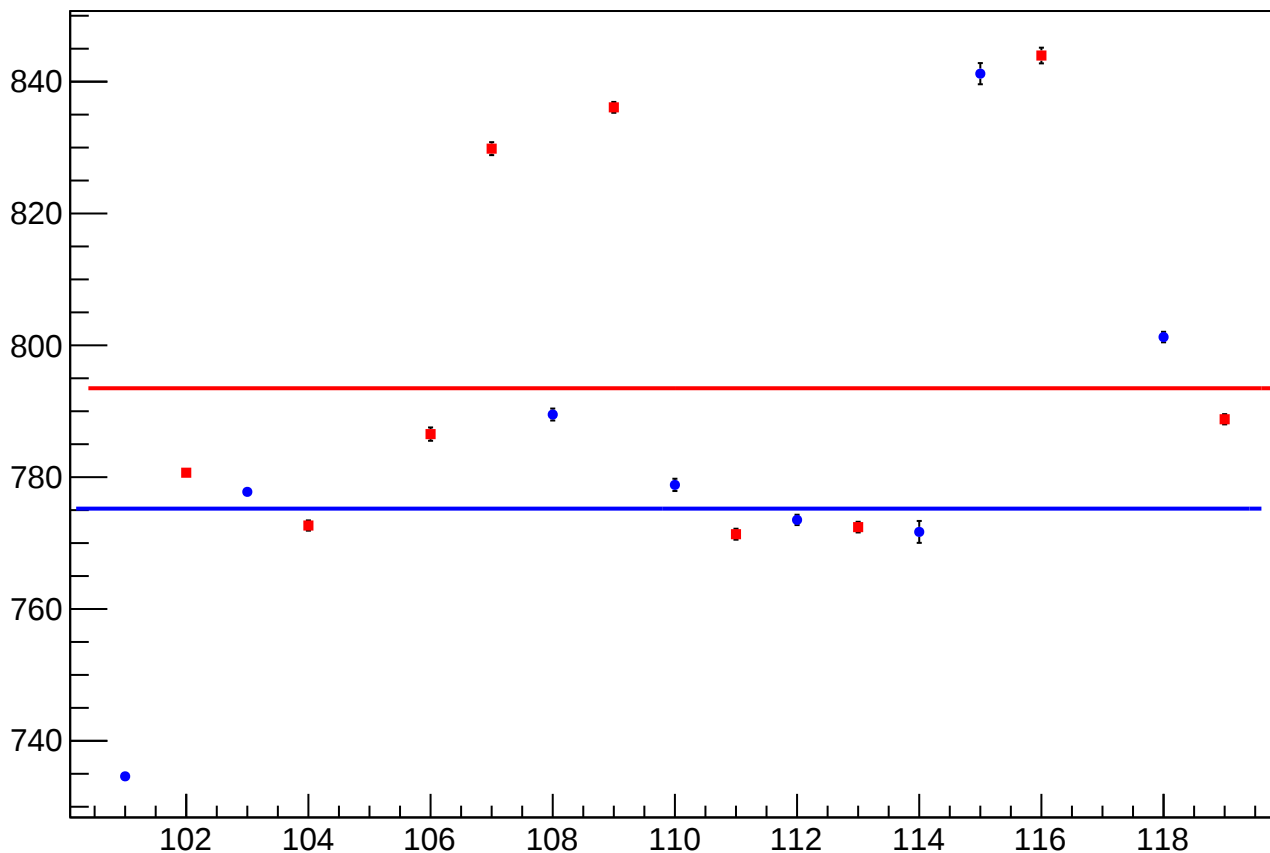
Out: 0.000+/-0.000

$\chi^2/\text{NDF}$ : 0.0/0

All: 1922.573+/-297.358

$\chi^2/\text{NDF}$ : 5.6/16

# dit\_asym\_us\_avg\_rms vs Slug, Sign Corrected



Right In: 775.226 $\pm$ 0.311  $\chi^2$ /NDF: 6632.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 793.489 $\pm$ 0.286  $\chi^2$ /NDF: 8317.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

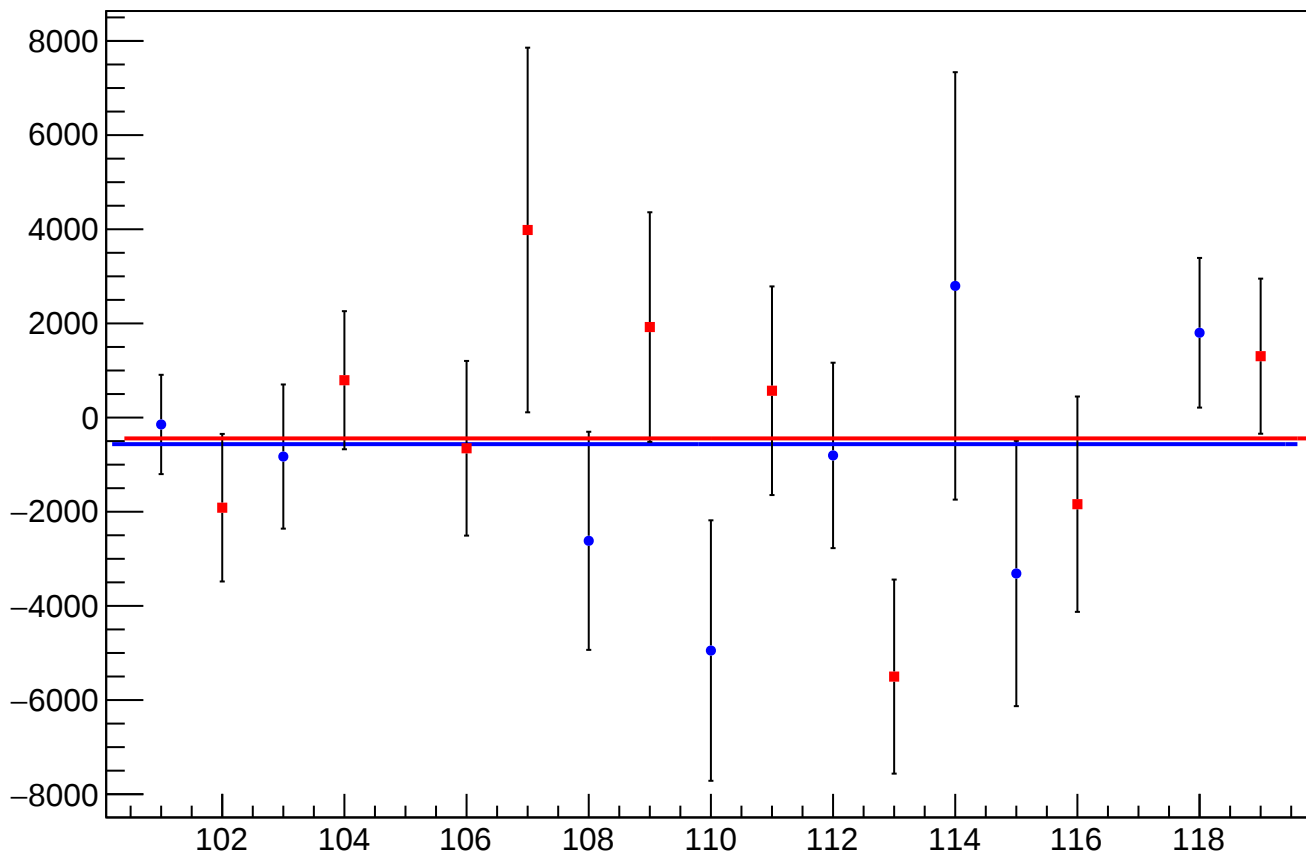
Right: 785.125 $\pm$ 0.210  $\chi^2$ /NDF: 16822.7/16

In: 775.226 $\pm$ 0.311  $\chi^2$ /NDF:6632.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 785.125 $\pm$ 0.210  $\chi^2$ /NDF: 16822.7/16

asym\_us\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -564.473+/-636.184  $\chi^2/\text{NDF}$ : 7.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -442.563+/-645.989  $\chi^2/\text{NDF}$ : 11.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

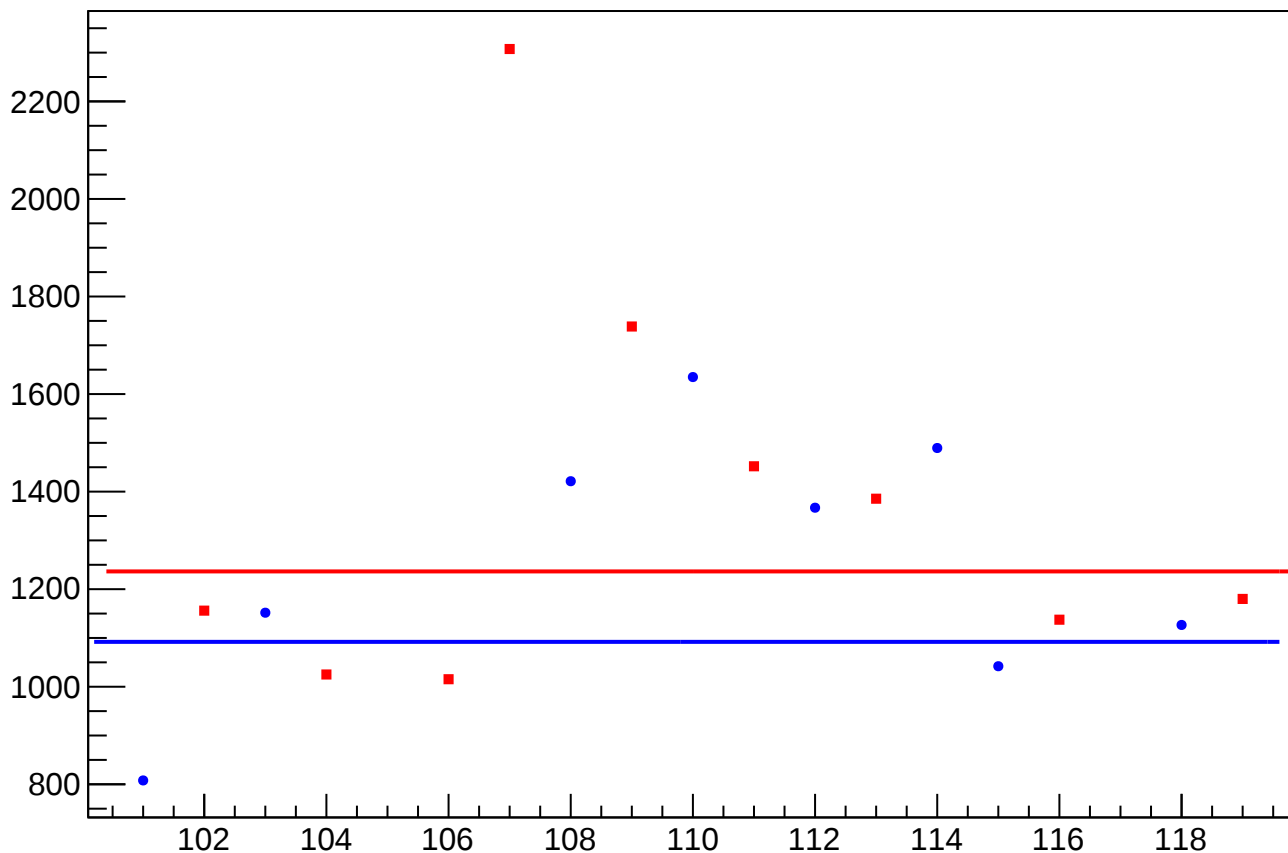
Right: -504.450+/-453.277  $\chi^2/\text{NDF}$ : 18.8/16

In: -564.473+/-636.184  $\chi^2/\text{NDF}$ : 7.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -504.450+/-453.277  $\chi^2/\text{NDF}$ : 18.8/16

asym\_us\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1092.000+/-0.450  $\chi^2/\text{NDF}$ : 321546.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1236.405+/-0.457  $\chi^2/\text{NDF}$ : 348436.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

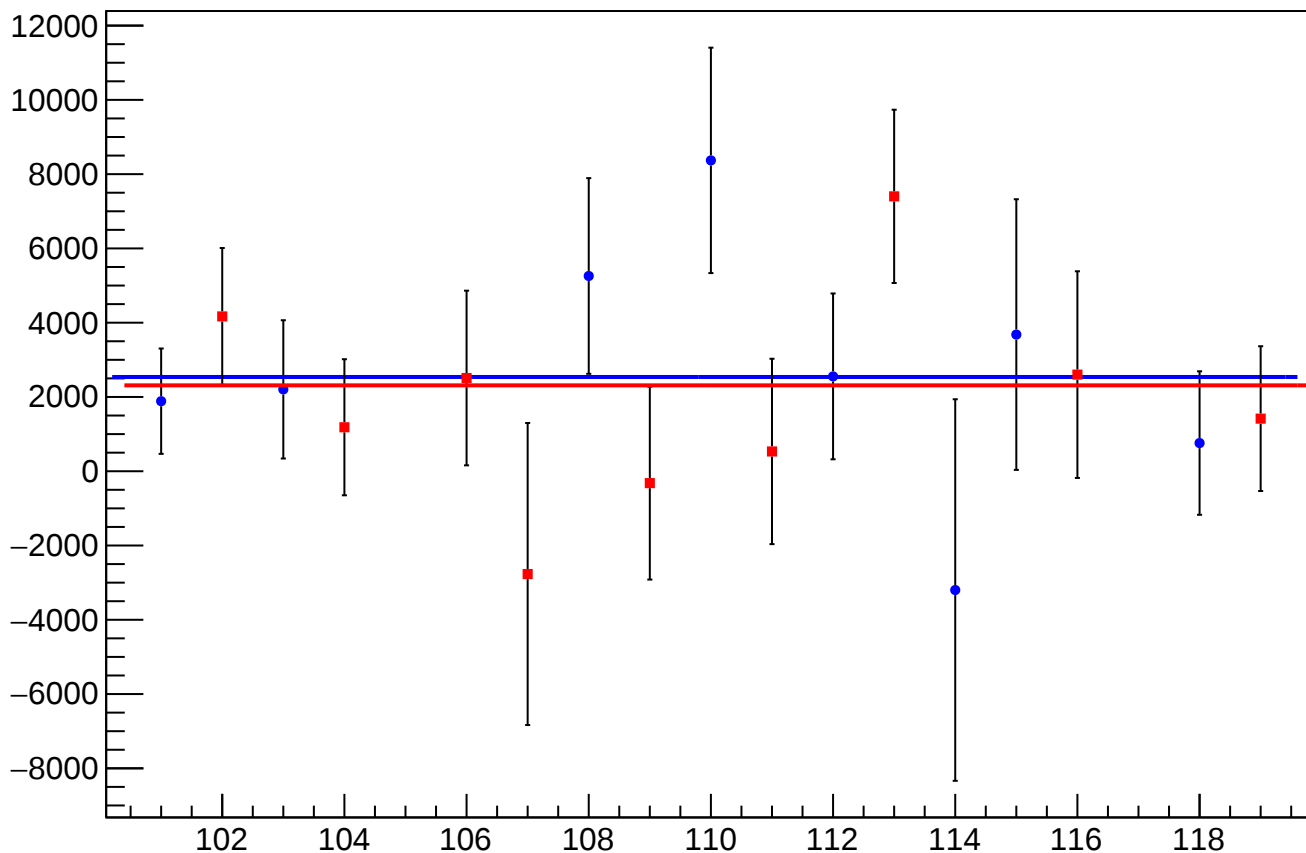
Right: 1163.098+/-0.321  $\chi^2/\text{NDF}$ : 720717.8/16

In: 1092.000+/-0.450  $\chi^2/\text{NDF}$ : 321546.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1163.098+/-0.321  $\chi^2/\text{NDF}$ : 720717.8/16

# asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2538.009+/-785.676  $\chi^2/\text{NDF}$ : 7.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2312.748+/-762.761  $\chi^2/\text{NDF}$ : 9.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

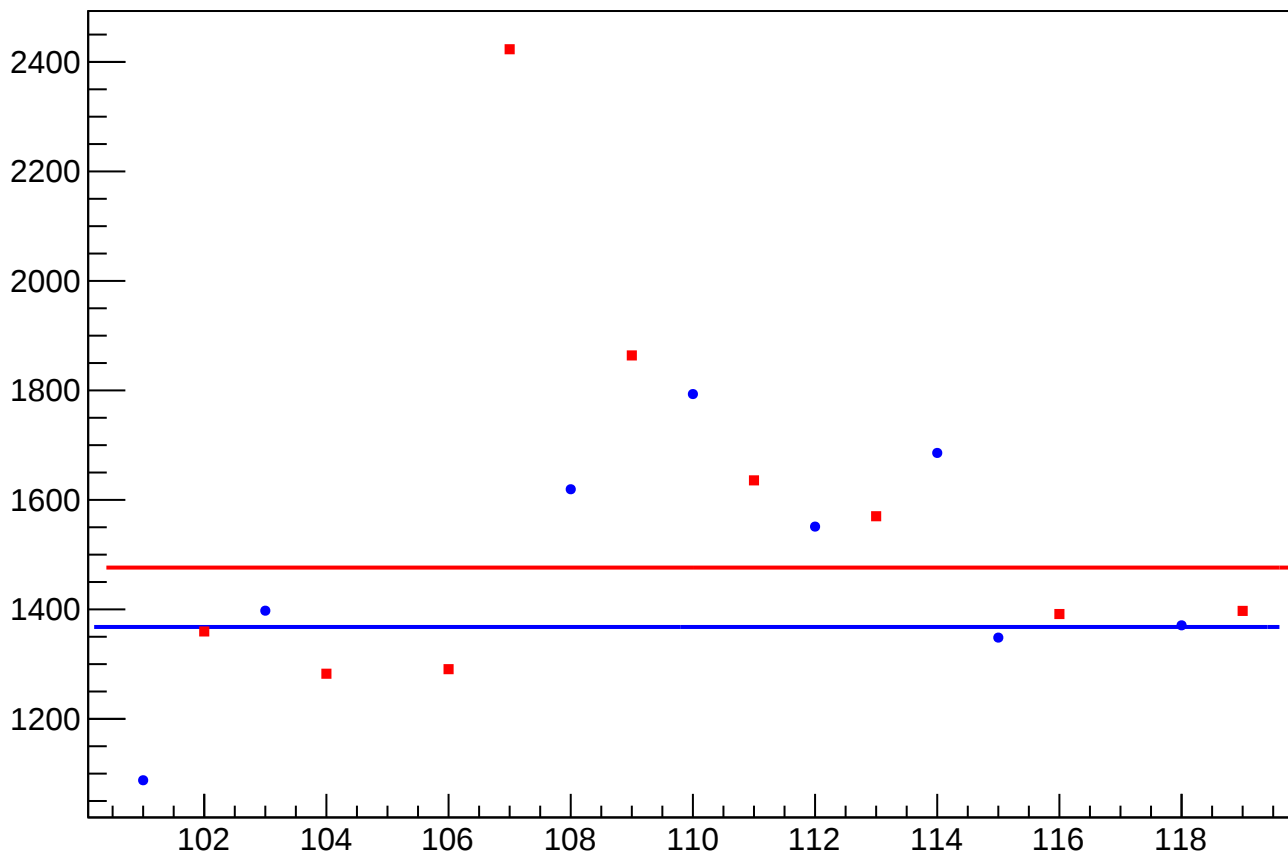
Right: 2422.045+/-547.275  $\chi^2/\text{NDF}$ : 16.7/16

In: 2538.009+/-785.676  $\chi^2/\text{NDF}$ : 7.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2422.045+/-547.275  $\chi^2/\text{NDF}$ : 16.7/16

# asym\_us\_avg\_rms vs Slug, Sign Corrected



Right In: 1367.879+/-0.556  $\chi^2/\text{NDF}$ : 157201.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1476.365+/-0.539  $\chi^2/\text{NDF}$ : 212361.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

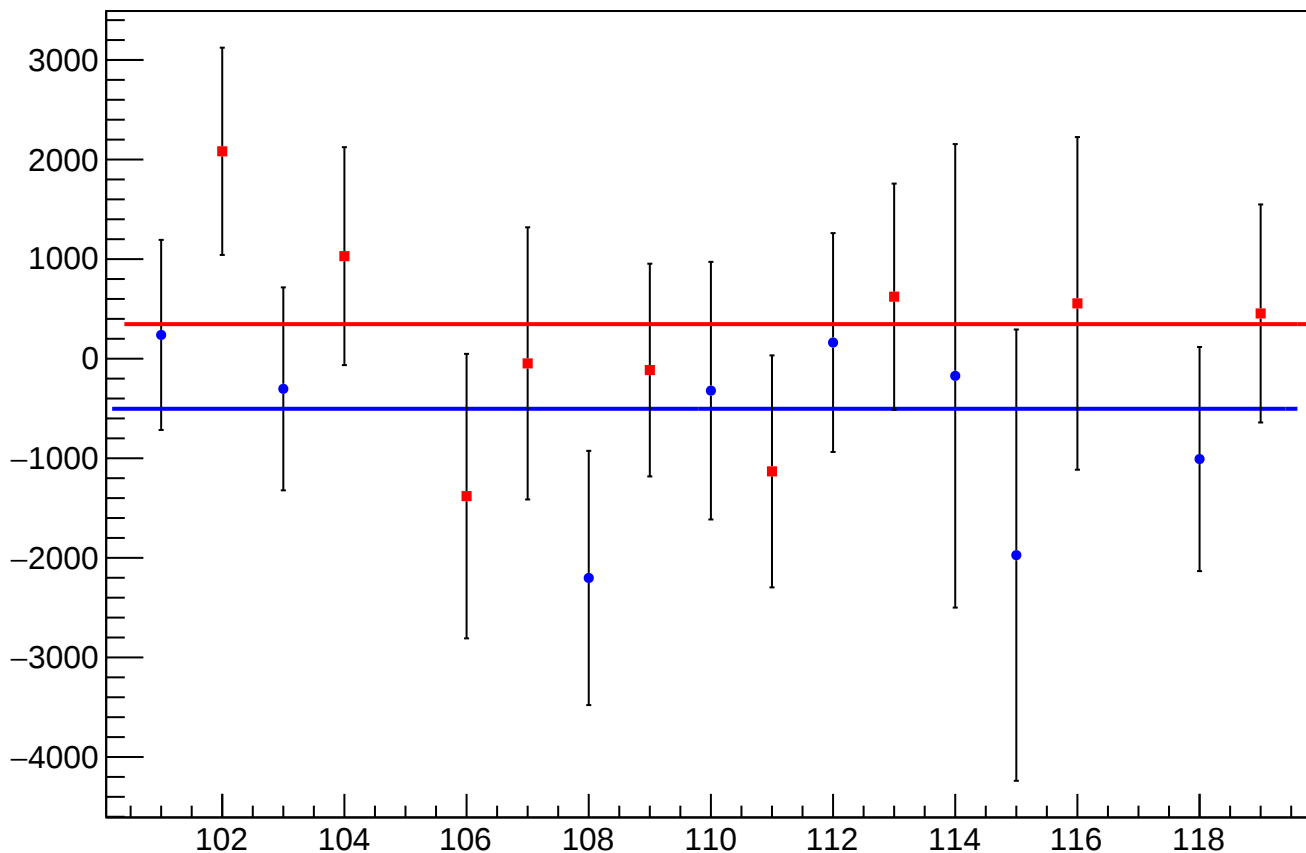
Right: 1423.727+/-0.387  $\chi^2/\text{NDF}$ : 389193.1/16

In: 1367.879+/-0.556  $\chi^2/\text{NDF}$ : 157201.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1423.727+/-0.387  $\chi^2/\text{NDF}$ : 389193.1/16

# dit\_asym\_us\_dd\_mean vs Slug, Sign Corrected



Right In: -502.915+/-435.657  $\chi^2/\text{NDF}$ : 3.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 346.960+/-396.378  $\chi^2/\text{NDF}$ : 6.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

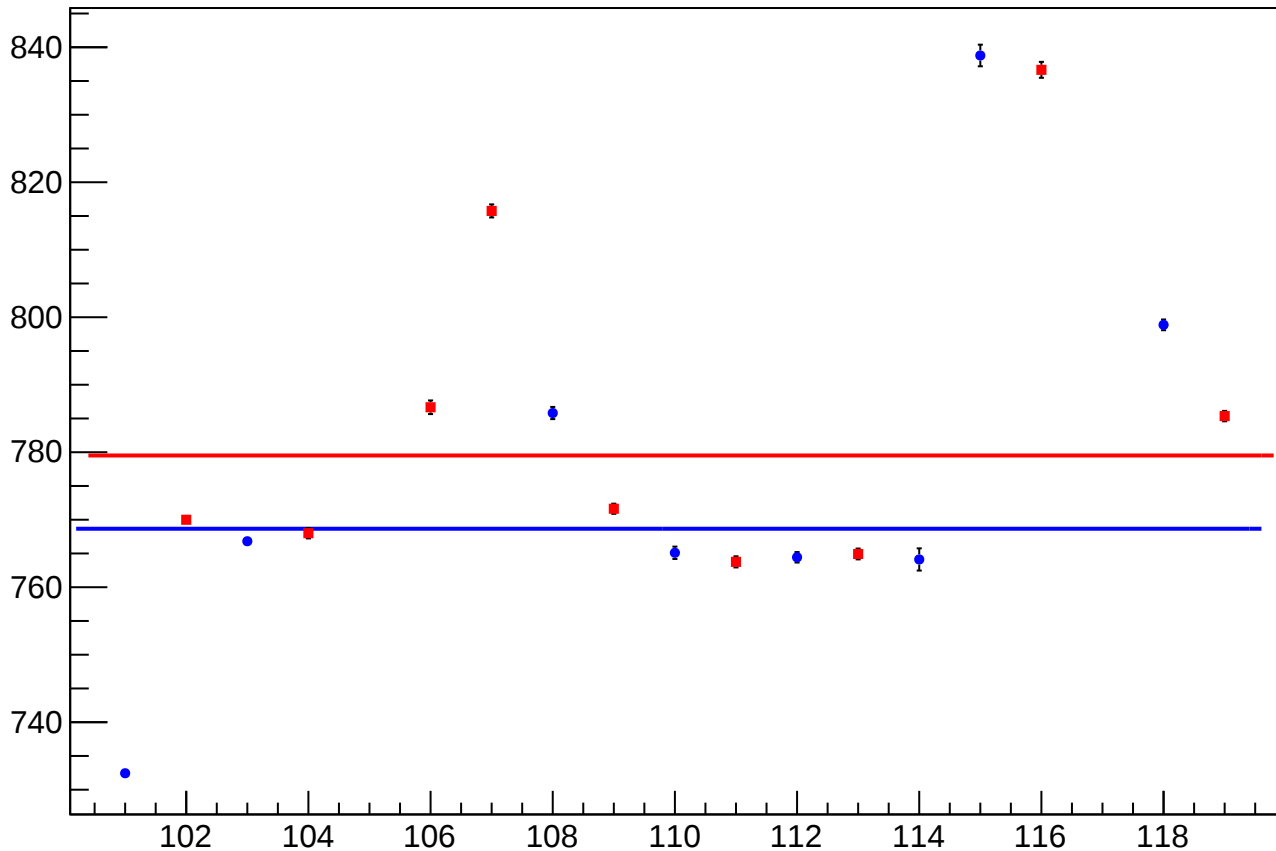
Right: -37.945+/-293.186  $\chi^2/\text{NDF}$ : 12.1/16

In: -502.915+/-435.657  $\chi^2/\text{NDF}$ : 3.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -37.945+/-293.186  $\chi^2/\text{NDF}$ : 12.1/16

# dit\_asym\_us\_dd\_rms vs Slug, Sign Corrected



Right In: 768.664 $\pm$ 0.308  $\chi^2$ /NDF: 6655.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 779.518 $\pm$ 0.280  $\chi^2$ /NDF: 5047.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

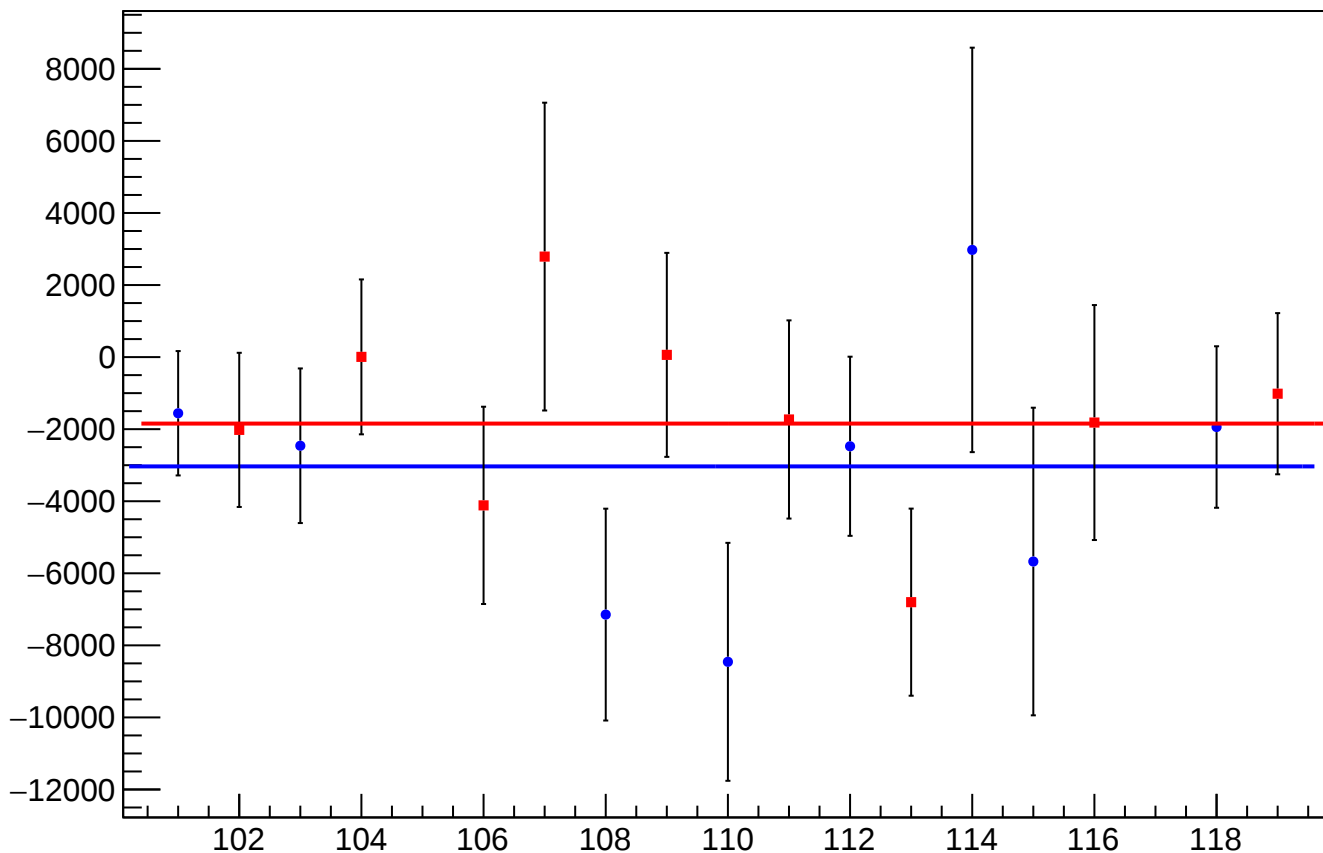
Right: 774.602 $\pm$ 0.207  $\chi^2$ /NDF: 12382.1/16

In: 768.664 $\pm$ 0.308  $\chi^2$ /NDF:6655.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 774.602 $\pm$ 0.207  $\chi^2$ /NDF: 12382.1/16

asym\_us\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -3033.282+/-909.886  $\chi^2/\text{NDF}$ : 7.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1845.077+/-869.610  $\chi^2/\text{NDF}$ : 6.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

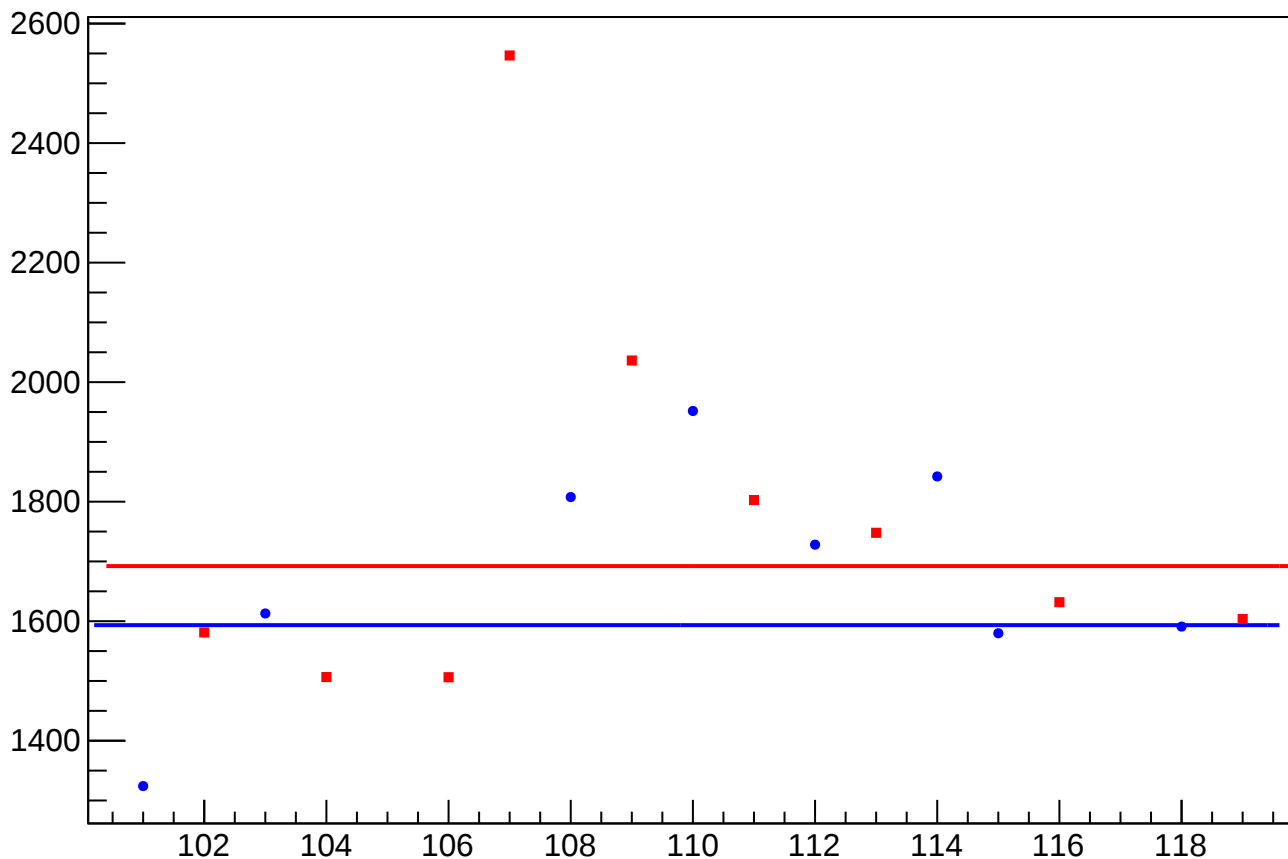
Right: -2412.300+/-628.663  $\chi^2/\text{NDF}$ : 15.0/16

In: -3033.282+/-909.886  $\chi^2/\text{NDF}$ : 7.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2412.300+/-628.663  $\chi^2/\text{NDF}$ : 15.0/16

# asym\_us\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1593.381+/-0.643  $\chi^2/\text{NDF}$ : 92859.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1692.206+/-0.615  $\chi^2/\text{NDF}$ : 147062.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

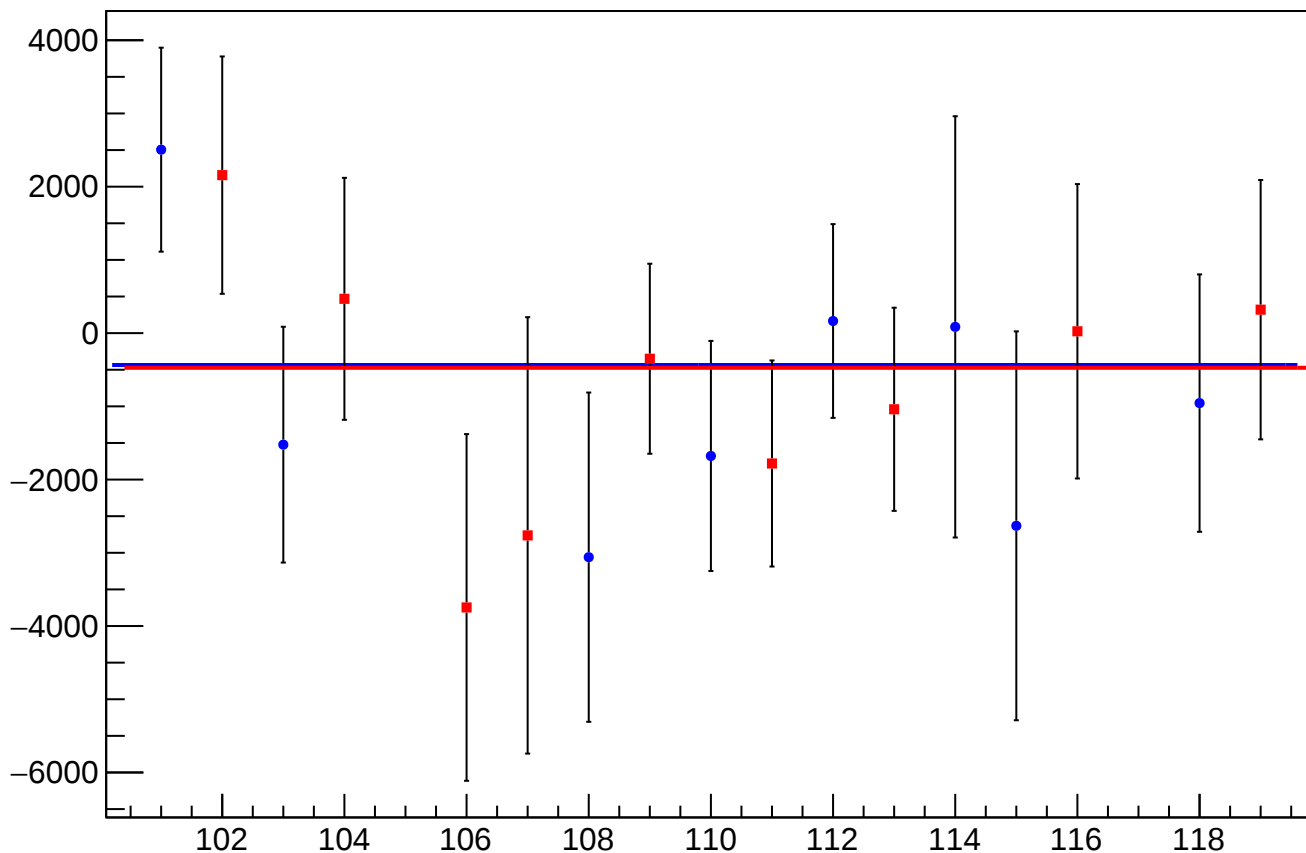
Right: 1645.029+/-0.445  $\chi^2/\text{NDF}$ : 252252.4/16

In: 1593.381+/-0.643  $\chi^2/\text{NDF}$ : 92859.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1645.029+/-0.445  $\chi^2/\text{NDF}$ : 252252.4/16

# asym\_us\_dd\_mean vs Slug, Sign Corrected



Right In: -435.365+/-612.945  $\chi^2/\text{NDF}$ : 7.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -473.344+/-557.006  $\chi^2/\text{NDF}$ : 6.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

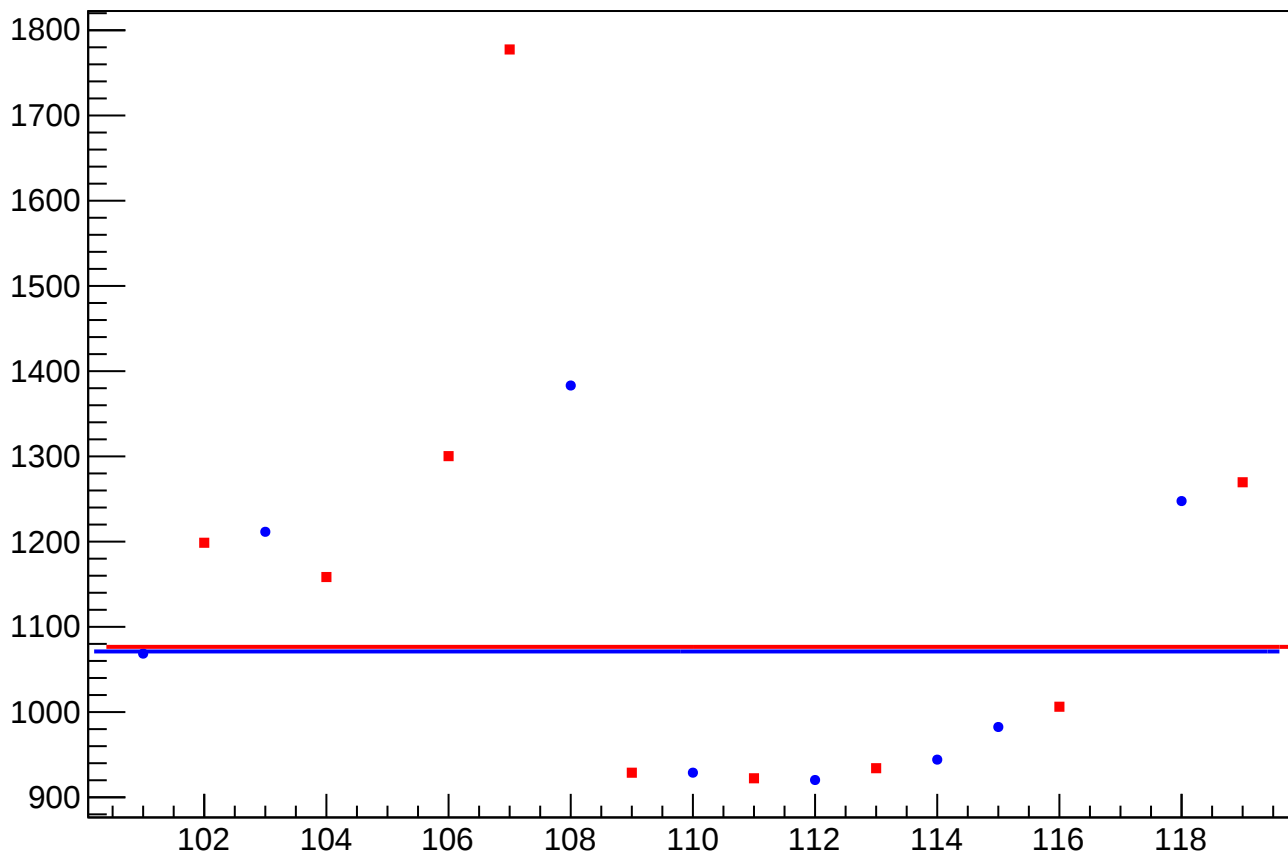
Right: -456.167+/-412.223  $\chi^2/\text{NDF}$ : 14.7/16

In: -435.365+/-612.945  $\chi^2/\text{NDF}$ : 7.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -456.167+/-412.223  $\chi^2/\text{NDF}$ : 14.7/16

# asym\_us\_dd\_rms vs Slug, Sign Corrected



Right In: 1071.130+/-0.433  $\chi^2/\text{NDF}$ : 122395.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1076.519+/-0.394  $\chi^2/\text{NDF}$ : 242027.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

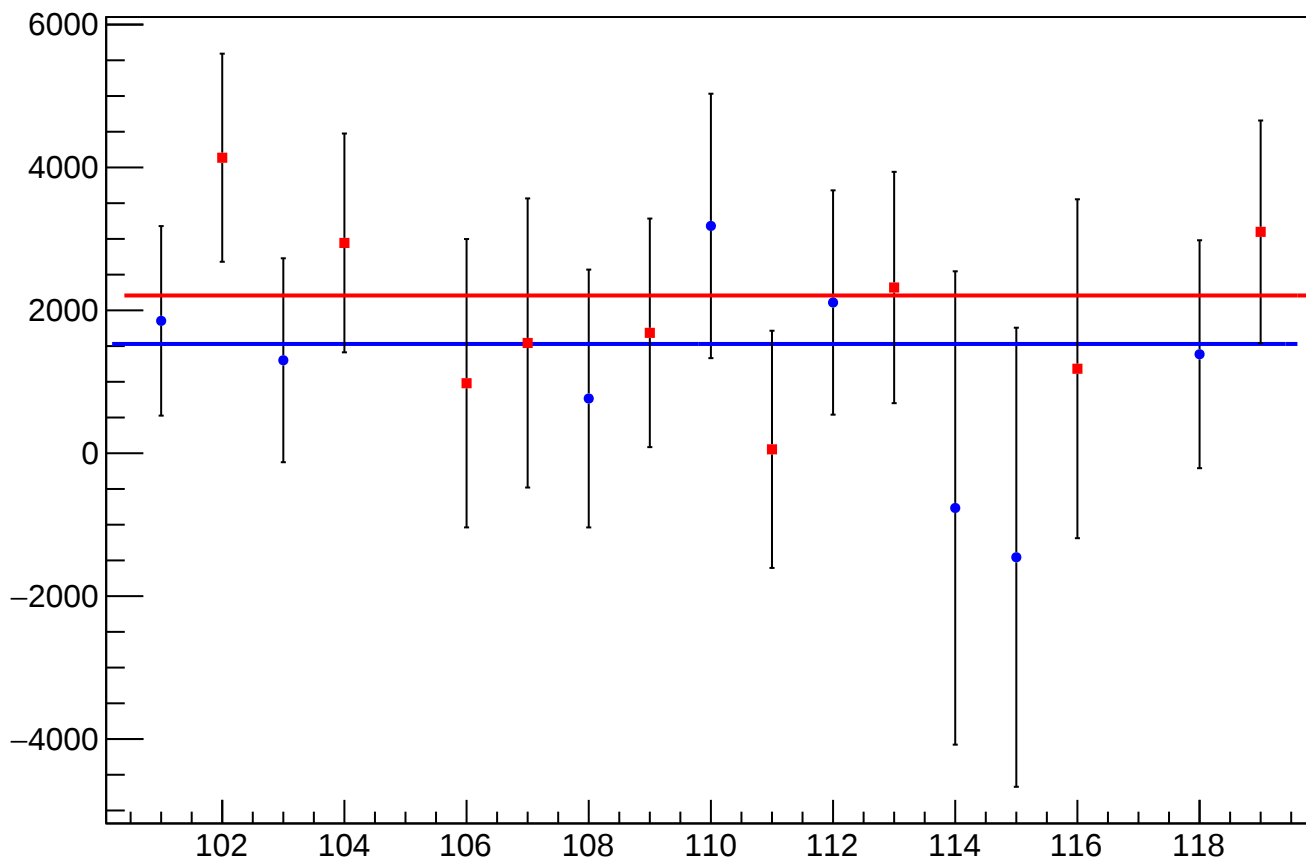
Right: 1074.082+/-0.291  $\chi^2/\text{NDF}$ : 364506.8/16

In: 1071.130+/-0.433  $\chi^2/\text{NDF}$ : 122395.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1074.082+/-0.291  $\chi^2/\text{NDF}$ : 364506.8/16

# dit\_asym\_usl\_mean vs Slug, Sign Corrected



Right In: 1529.755+/-614.829  $\chi^2/\text{NDF}$ : 2.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2208.186+/-566.810  $\chi^2/\text{NDF}$ : 4.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

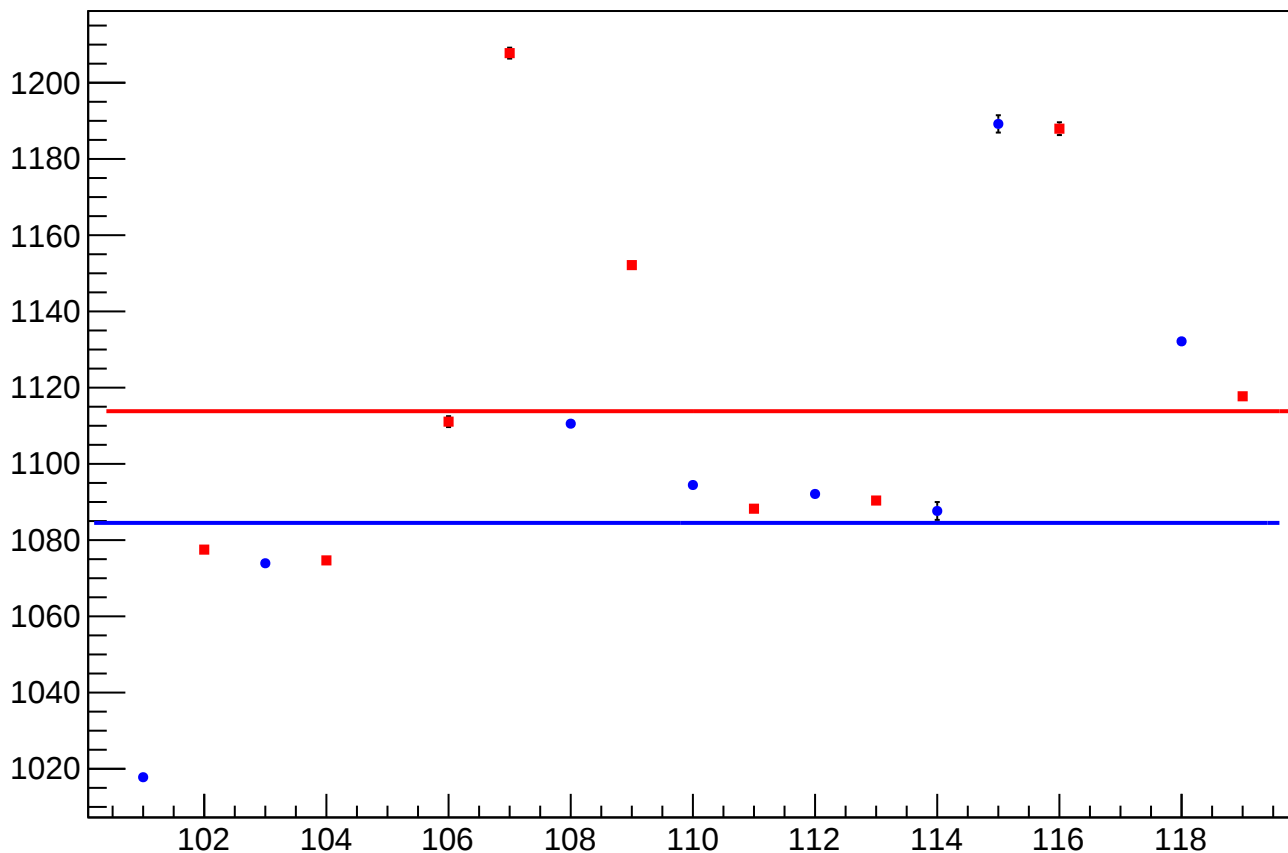
Right: 1896.495+/-416.739  $\chi^2/\text{NDF}$ : 8.0/16

In: 1529.755+/-614.829  $\chi^2/\text{NDF}$ : 2.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1896.495+/-416.739  $\chi^2/\text{NDF}$ : 8.0/16

# dit\_asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1084.518 $\pm$ 0.435  $\chi^2$ /NDF: 9600.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1113.823 $\pm$ 0.401  $\chi^2$ /NDF: 10873.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

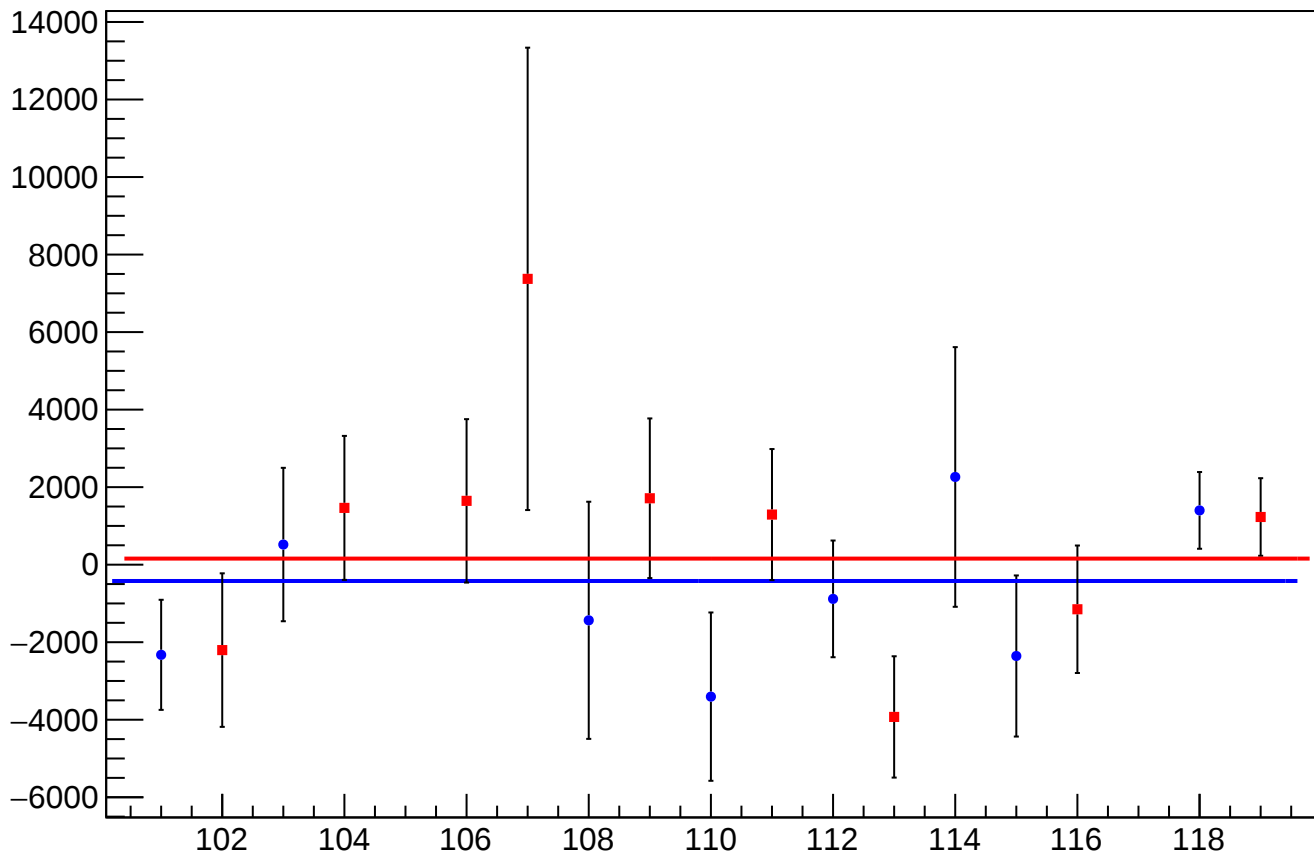
Right: 1100.359 $\pm$ 0.295  $\chi^2$ /NDF: 22930.5/16

In: 1084.518 $\pm$ 0.435  $\chi^2$ /NDF:9600.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1100.359 $\pm$ 0.295  $\chi^2$ /NDF: 22930.5/16

# asym\_usl\_correction\_mean vs Slug, Sign Corrected



Right In: -420.844+/-592.027  $\chi^2/\text{NDF}$ : 9.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 156.812+/-562.564  $\chi^2/\text{NDF}$ : 13.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

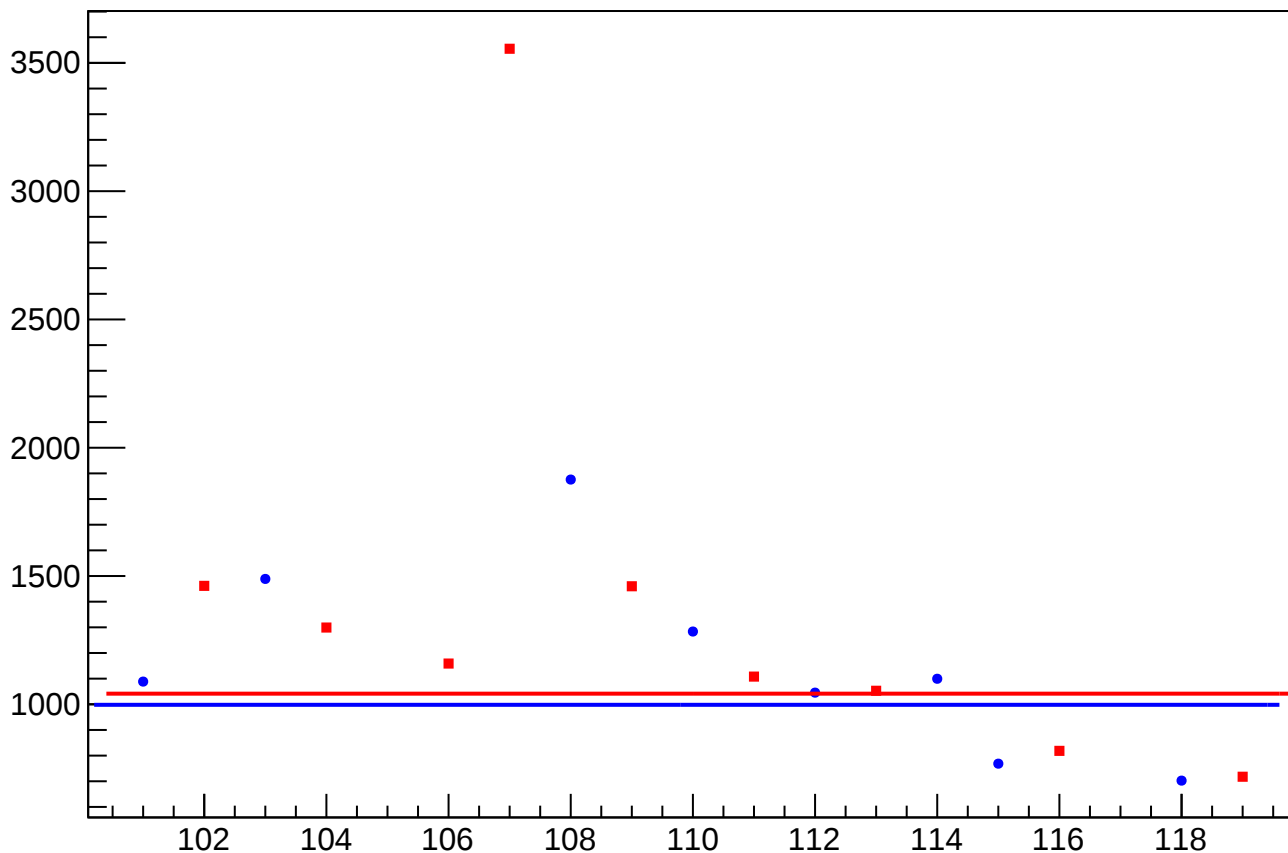
Right: -117.285+/-407.811  $\chi^2/\text{NDF}$ : 23.0/16

In: -420.844+/-592.027  $\chi^2/\text{NDF}$ : 9.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -117.285+/-407.811  $\chi^2/\text{NDF}$ : 23.0/16

# asym\_usl\_correction\_rms vs Slug, Sign Corrected



Right In: 997.997+/-0.419  $\chi^2/\text{NDF}$ : 536890.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1041.456+/-0.398  $\chi^2/\text{NDF}$ : 821827.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

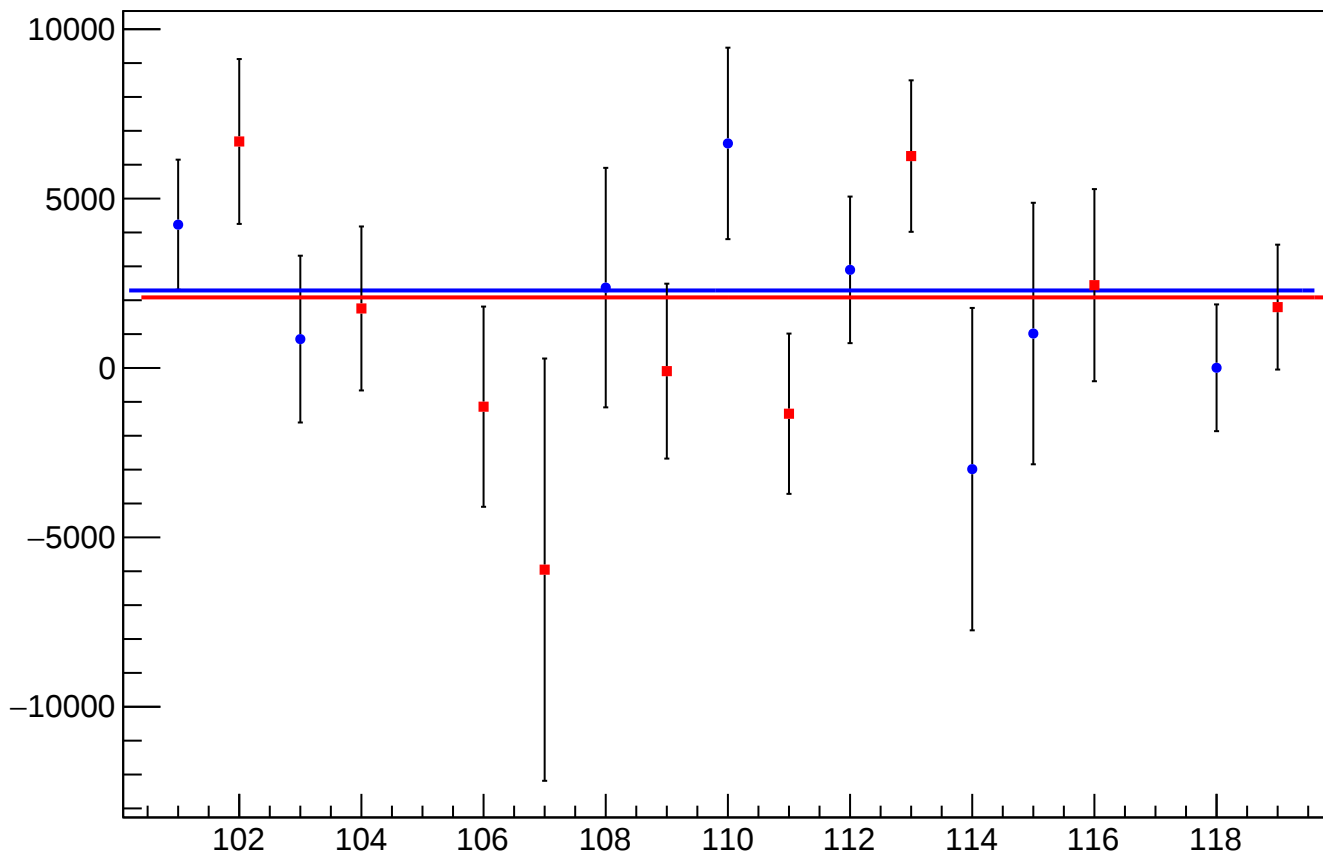
Right: 1020.835+/-0.288  $\chi^2/\text{NDF}$ : 1364380.6/16

In: 997.997+/-0.419  $\chi^2/\text{NDF}$ : 536890.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1020.835+/-0.288  $\chi^2/\text{NDF}$ : 1364380.6/16

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2288.498+/-893.499  $\chi^2/\text{NDF}$ : 6.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2083.581+/-836.985  $\chi^2/\text{NDF}$ : 12.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

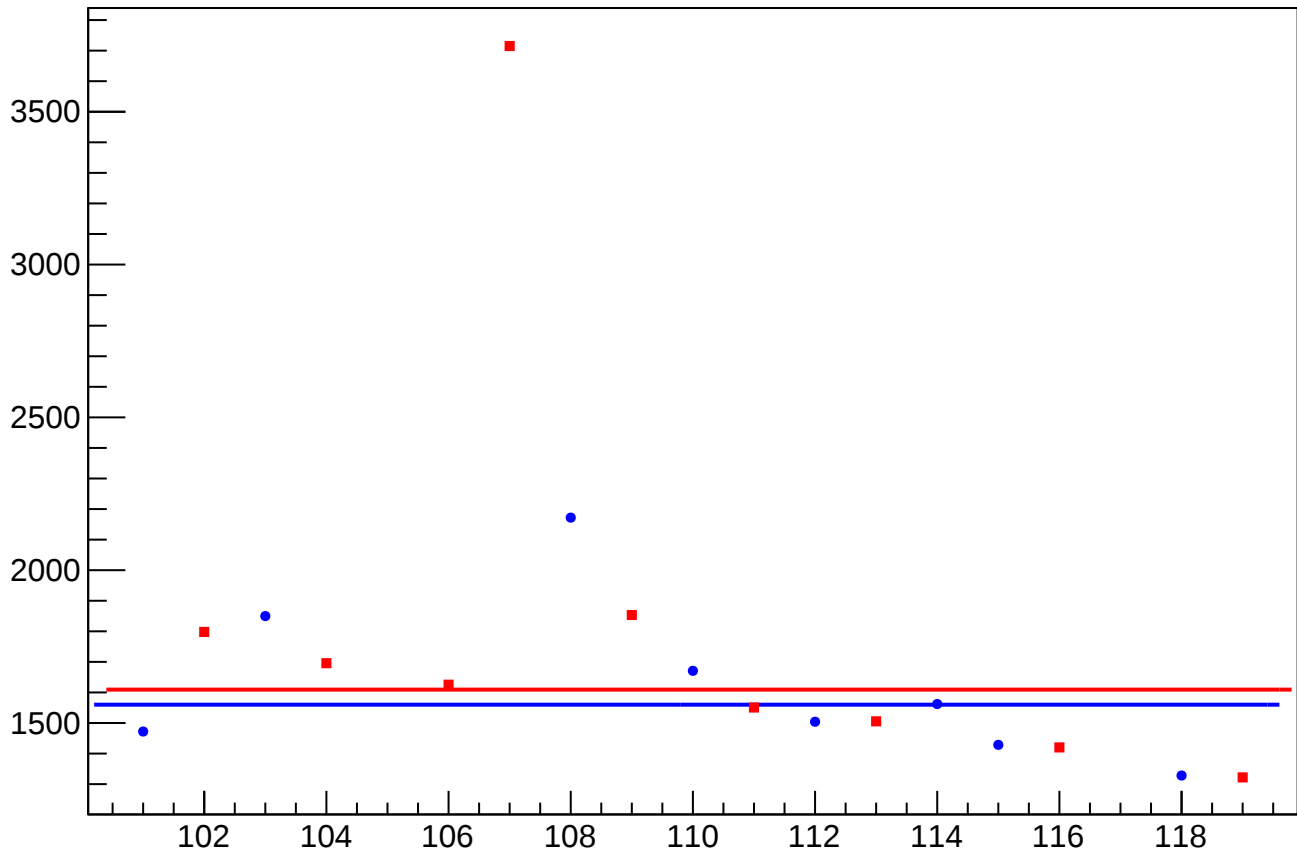
Right: 2179.354+/-610.840  $\chi^2/\text{NDF}$ : 19.4/16

In: 2288.498+/-893.499  $\chi^2/\text{NDF}$ : 6.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2179.354+/-610.840  $\chi^2/\text{NDF}$ : 19.4/16

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1559.912 $\pm$ 0.632  $\chi^2$ /NDF: 129310.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1609.264 $\pm$ 0.592  $\chi^2$ /NDF: 323869.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

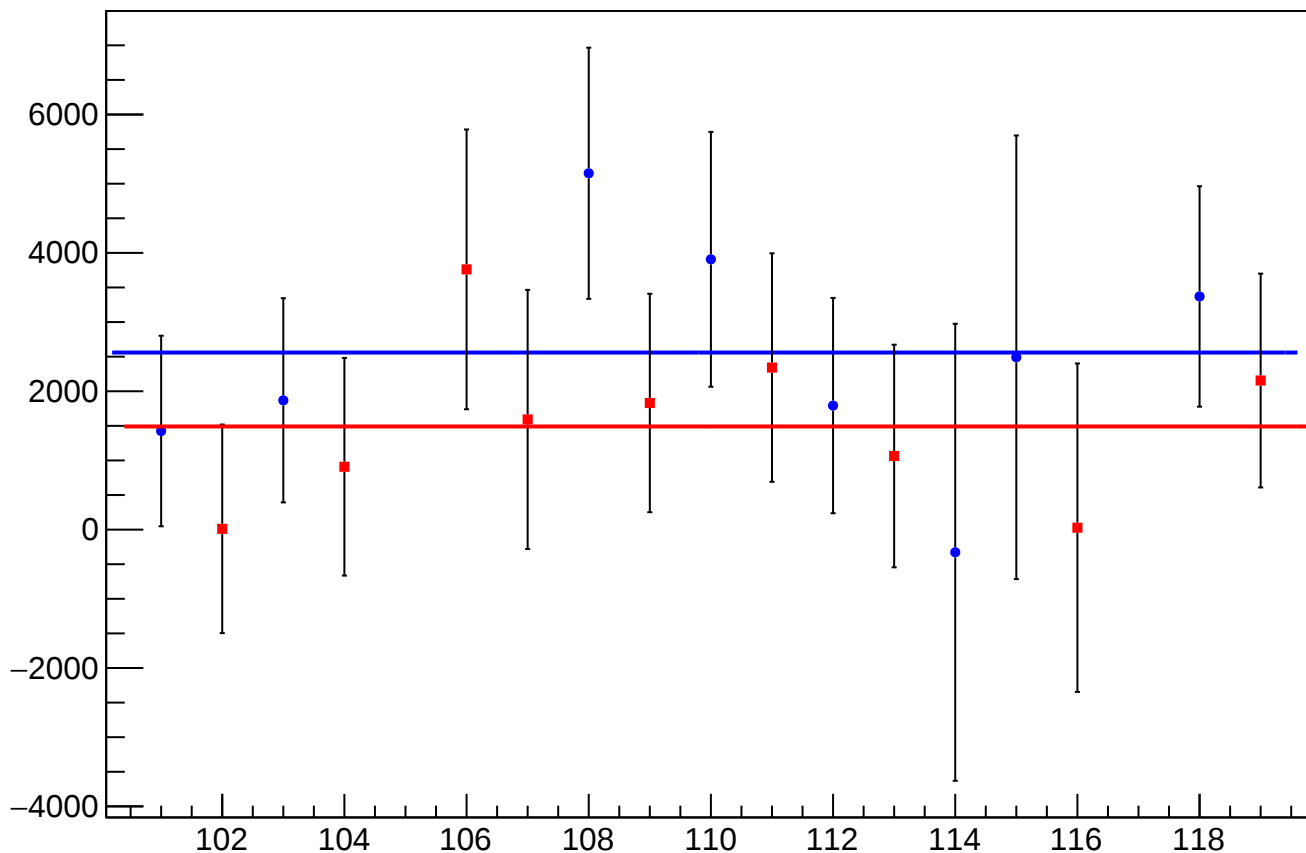
Right: 1586.198 $\pm$ 0.432  $\chi^2$ /NDF: 456429.4/16

In: 1559.912 $\pm$ 0.632  $\chi^2$ /NDF:129310.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1586.198 $\pm$ 0.432  $\chi^2$ /NDF: 456429.4/16

# dit\_asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2559.554 $\pm$ 622.482  $\chi^2$ /NDF: 4.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1490.950 $\pm$ 565.753  $\chi^2$ /NDF: 3.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

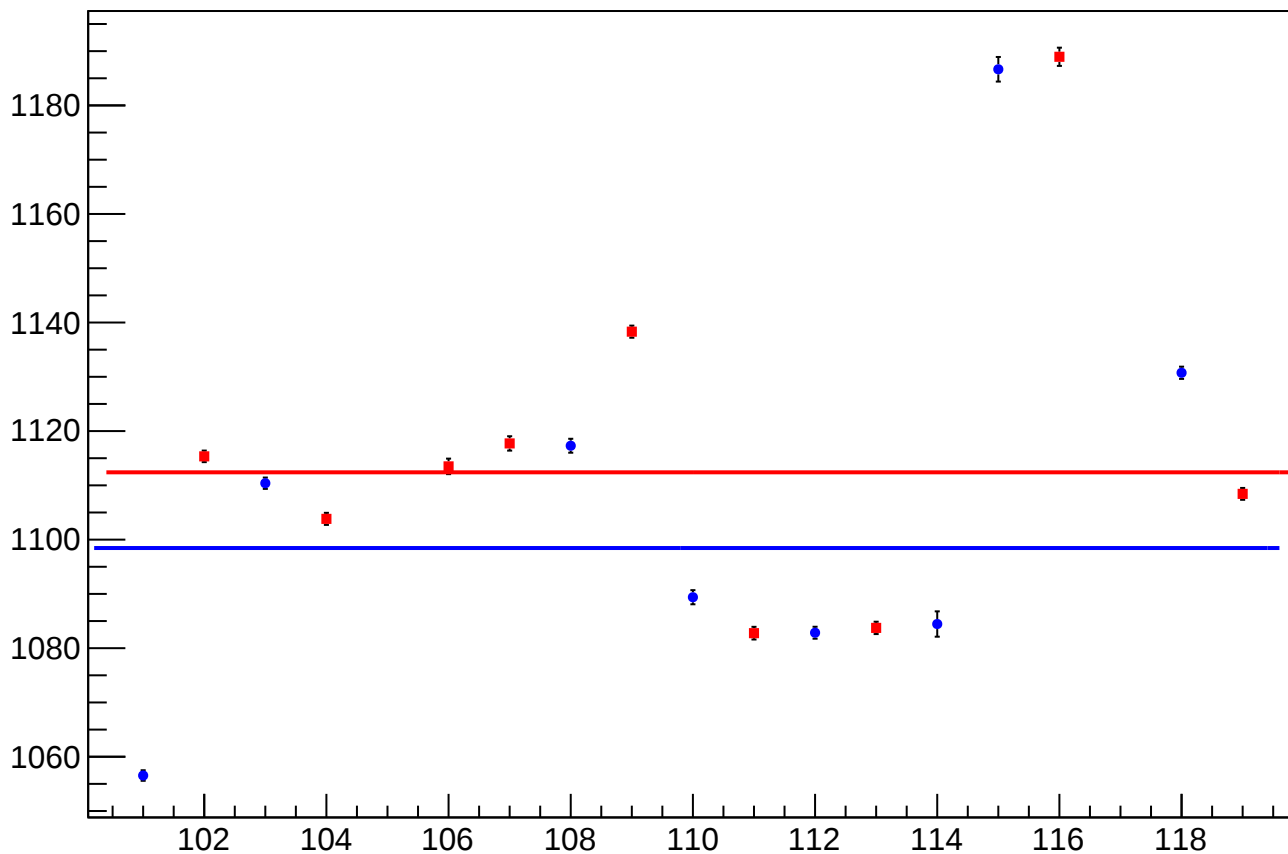
Right: 1974.350 $\pm$ 418.670  $\chi^2$ /NDF: 9.7/16

In: 2559.554 $\pm$ 622.482  $\chi^2$ /NDF: 4.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1974.350 $\pm$ 418.670  $\chi^2$ /NDF: 9.7/16

# dit\_asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1098.454+/-0.440  $\chi^2/\text{NDF}$ : 4820.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1112.401+/-0.400  $\chi^2/\text{NDF}$ : 3994.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

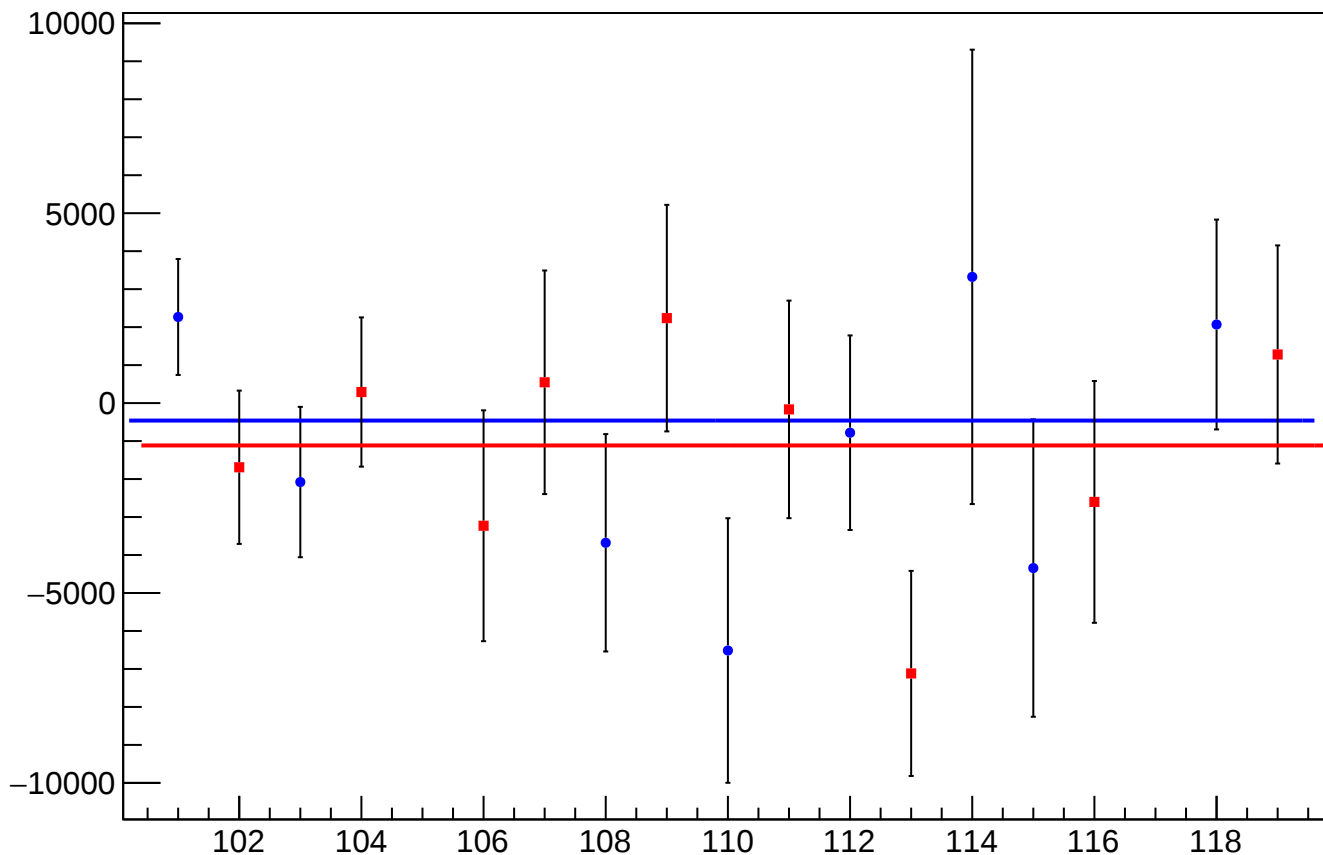
Right: 1106.092+/-0.296  $\chi^2/\text{NDF}$ : 9365.2/16

In: 1098.454+/-0.440  $\chi^2/\text{NDF}$ : 4820.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1106.092+/-0.296  $\chi^2/\text{NDF}$ : 9365.2/16

asym\_usr\_correction\_mean vs Slug, Sign Corrected



Right In: -460.106+/-888.959  $\chi^2/\text{NDF}$ : 10.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1115.711+/-870.472  $\chi^2/\text{NDF}$ : 8.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

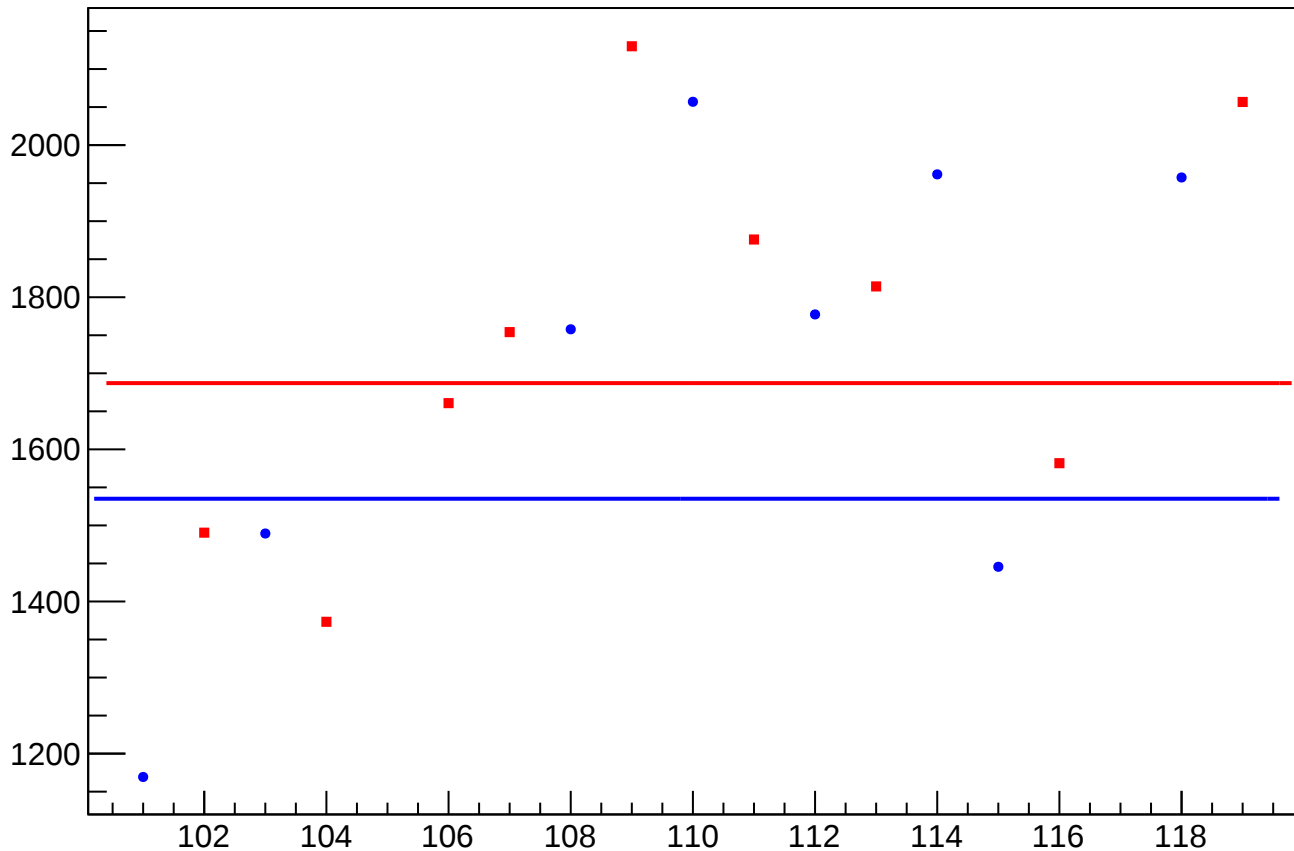
Right: -794.796+/-621.950  $\chi^2/\text{NDF}$ : 19.3/16

In: -460.106+/-888.959  $\chi^2/\text{NDF}$ : 10.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -794.796+/-621.950  $\chi^2/\text{NDF}$ : 19.3/16

# asym\_usr\_correction\_rms vs Slug, Sign Corrected



Right In: 1535.073+/-0.629  $\chi^2/\text{NDF}$ : 248758.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1687.081+/-0.616  $\chi^2/\text{NDF}$ : 163732.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

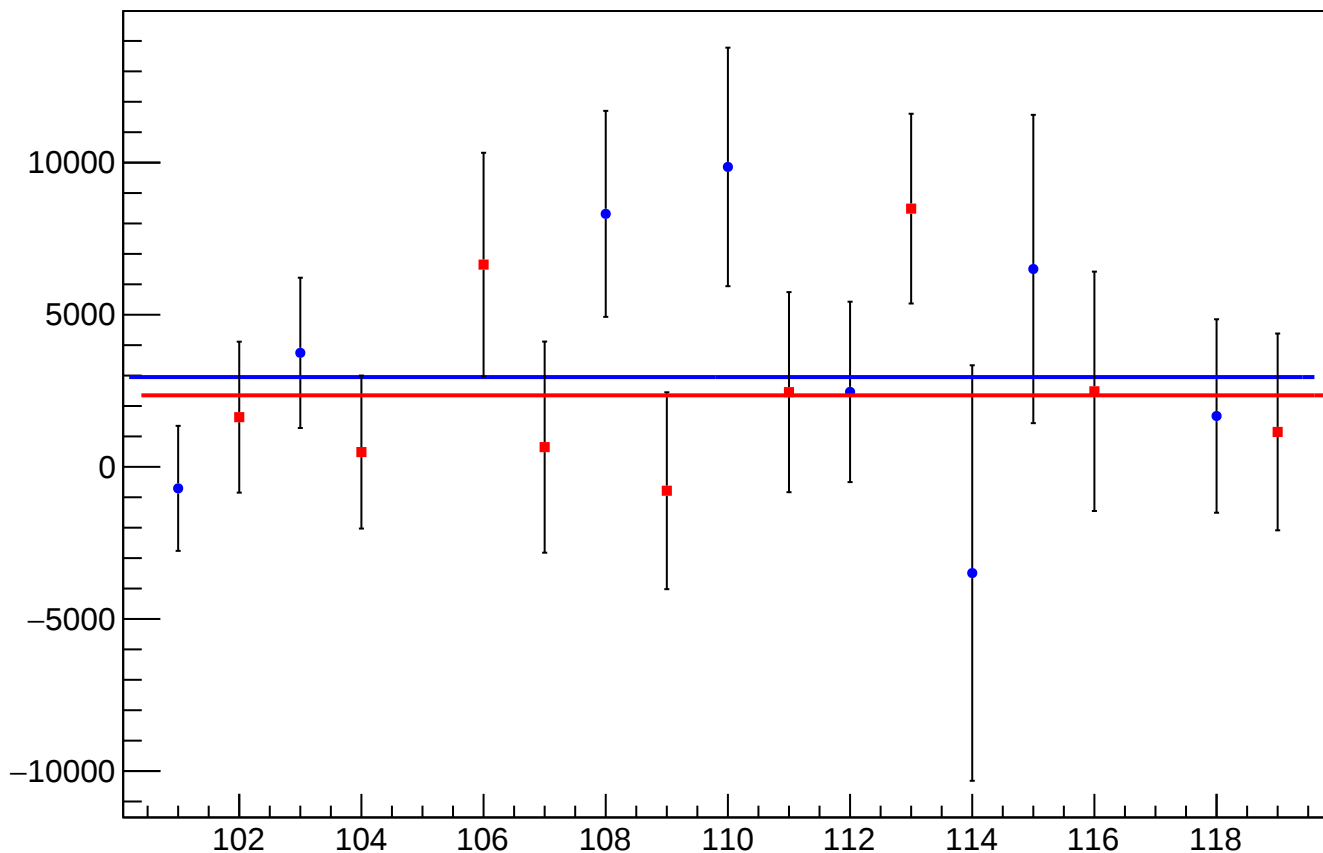
Right: 1612.674+/-0.440  $\chi^2/\text{NDF}$ : 442345.2/16

In: 1535.073+/-0.629  $\chi^2/\text{NDF}$ : 248758.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1612.674+/-0.440  $\chi^2/\text{NDF}$ : 442345.2/16

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2950.769+/-1100.206  $\chi^2/\text{NDF}$ : 10.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2350.547+/-1037.679  $\chi^2/\text{NDF}$ : 7.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

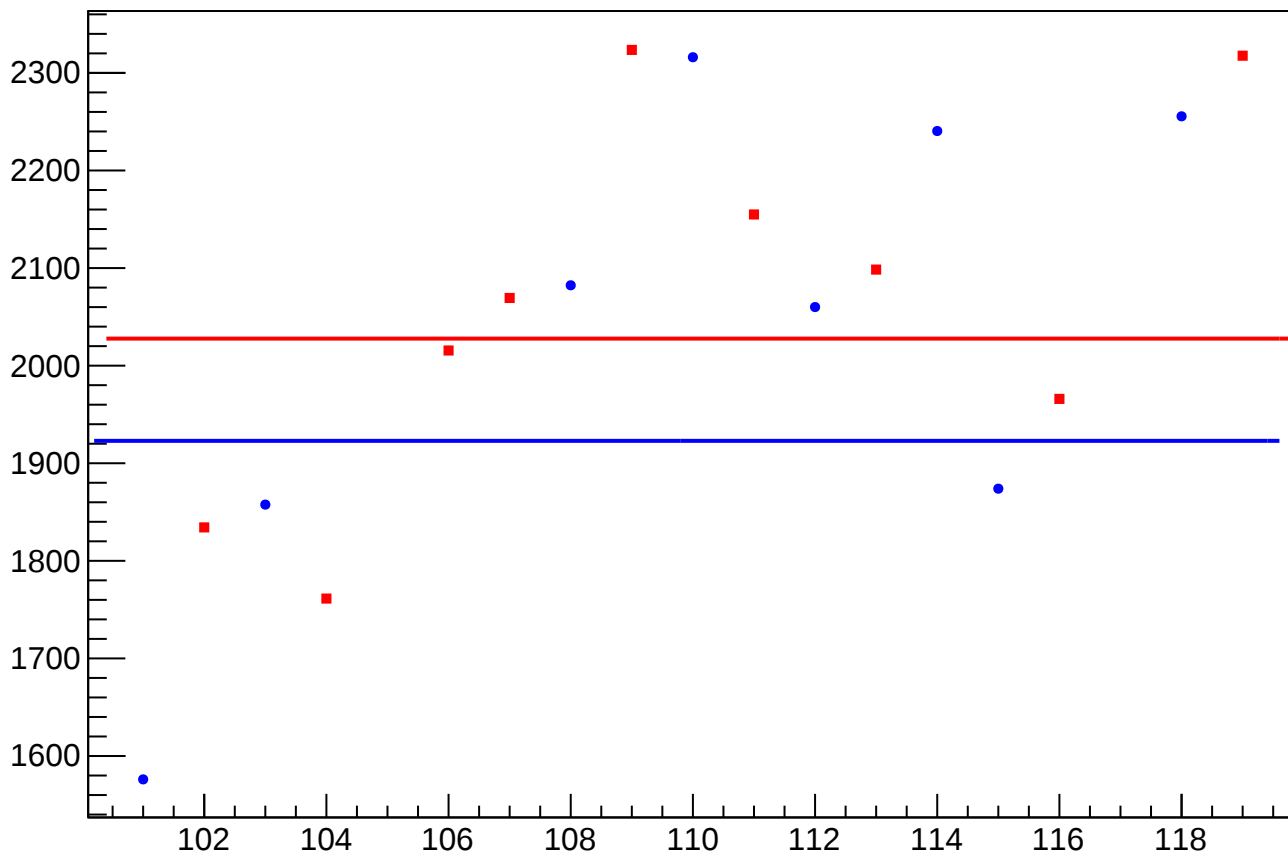
Right: 2633.118+/-754.887  $\chi^2/\text{NDF}$ : 17.8/16

In: 2950.769+/-1100.206  $\chi^2/\text{NDF}$ : 10.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2633.118+/-754.887  $\chi^2/\text{NDF}$ : 17.8/16

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1922.960+/-0.778  $\chi^2/\text{NDF}$ : 113614.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2027.730+/-0.734  $\chi^2/\text{NDF}$ : 72217.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

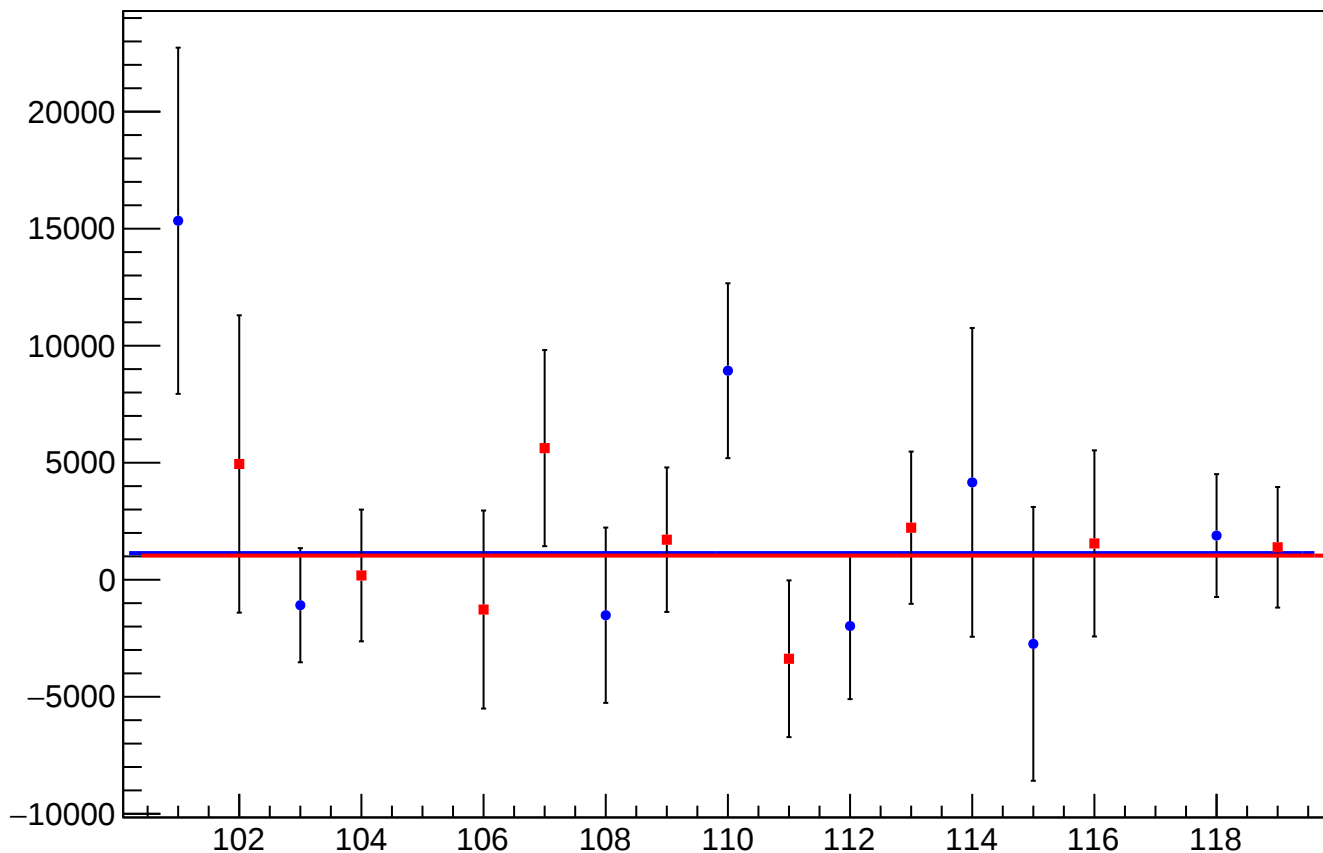
Right: 1978.407+/-0.534  $\chi^2/\text{NDF}$ : 195430.3/16

In: 1922.960+/-0.778  $\chi^2/\text{NDF}$ : 113614.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1978.407+/-0.534  $\chi^2/\text{NDF}$ : 195430.3/16

# dit\_asym\_at1\_avg\_mean vs Slug, Sign Corrected



Right In: 1139.494+/-1260.811  $\chi^2/\text{NDF}$ : 11.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1031.712+/-1142.251  $\chi^2/\text{NDF}$ : 3.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

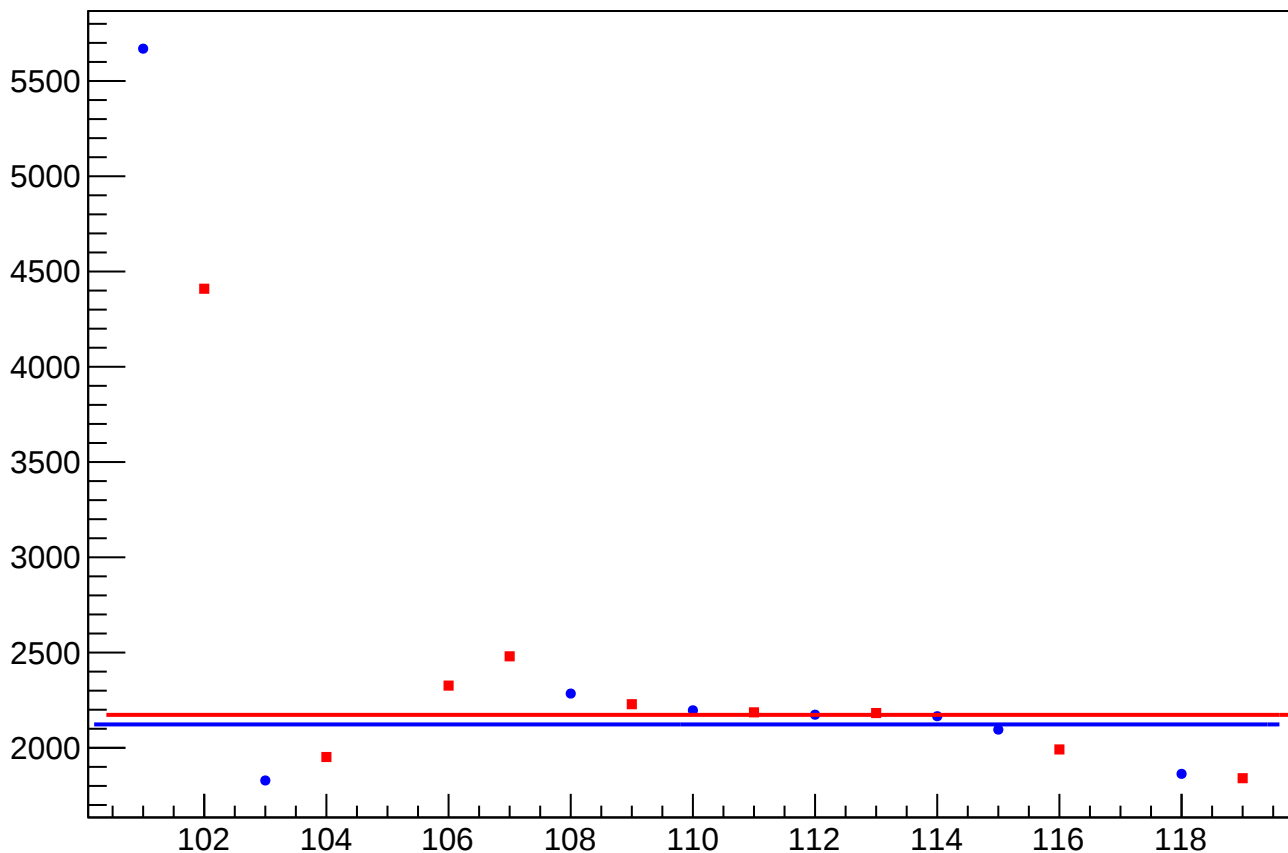
Right: 1080.298+/-846.513  $\chi^2/\text{NDF}$ : 15.0/16

In: 1139.494+/-1260.811  $\chi^2/\text{NDF}$ : 11.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1080.298+/-846.513  $\chi^2/\text{NDF}$ : 15.0/16

# dit\_asym\_at1\_avg\_rms vs Slug, Sign Corrected



Right In: 2122.855+/-0.892  $\chi^2/\text{NDF}$ : 513769.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2172.997+/-0.808  $\chi^2/\text{NDF}$ : 311970.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

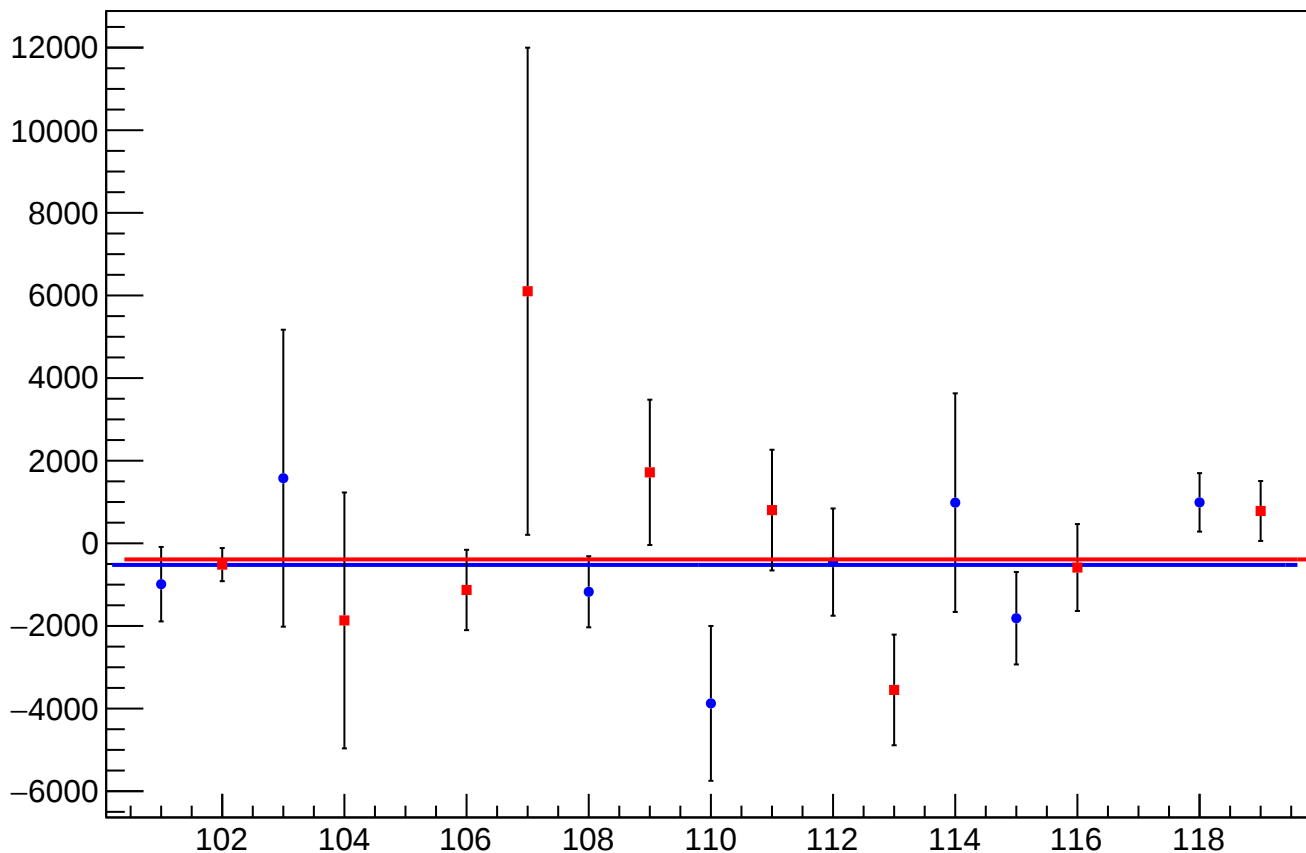
Right: 2150.394+/-0.599  $\chi^2/\text{NDF}$ : 827477.3/16

In: 2122.855+/-0.892  $\chi^2/\text{NDF}$ : 513769.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2150.394+/-0.599  $\chi^2/\text{NDF}$ : 827477.3/16

asym\_at1\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -522.167+/-393.040  $\chi^2/\text{NDF}$ : 10.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -389.385+/-294.080  $\chi^2/\text{NDF}$ : 12.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

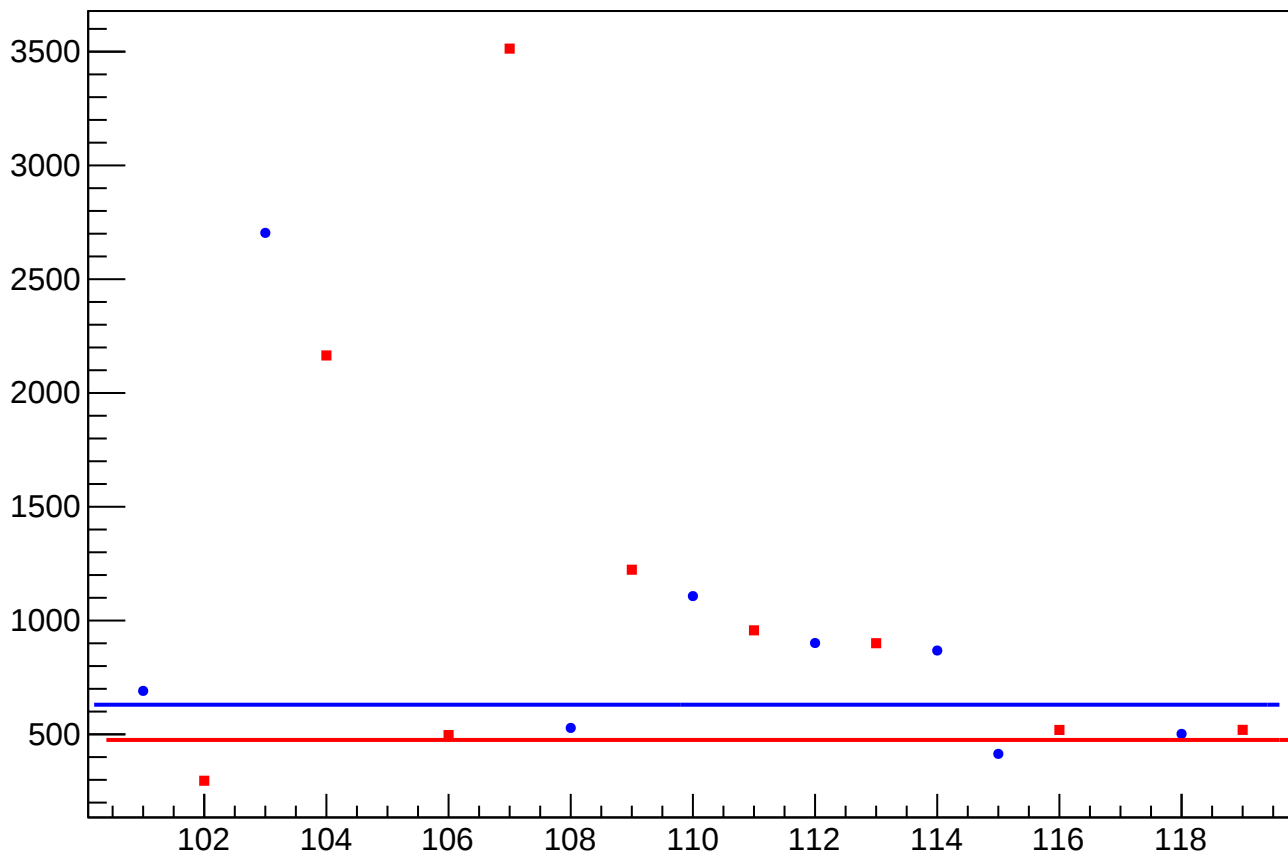
Right: -437.041+/-235.465  $\chi^2/\text{NDF}$ : 23.1/16

In: -522.167+/-393.040  $\chi^2/\text{NDF}$ :10.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -437.041+/-235.465  $\chi^2/\text{NDF}$ : 23.1/16

asym\_at1\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 630.167+/-0.278  $\chi^2/\text{NDF}$ : 1076029.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 475.350+/-0.208  $\chi^2/\text{NDF}$ : 2318219.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

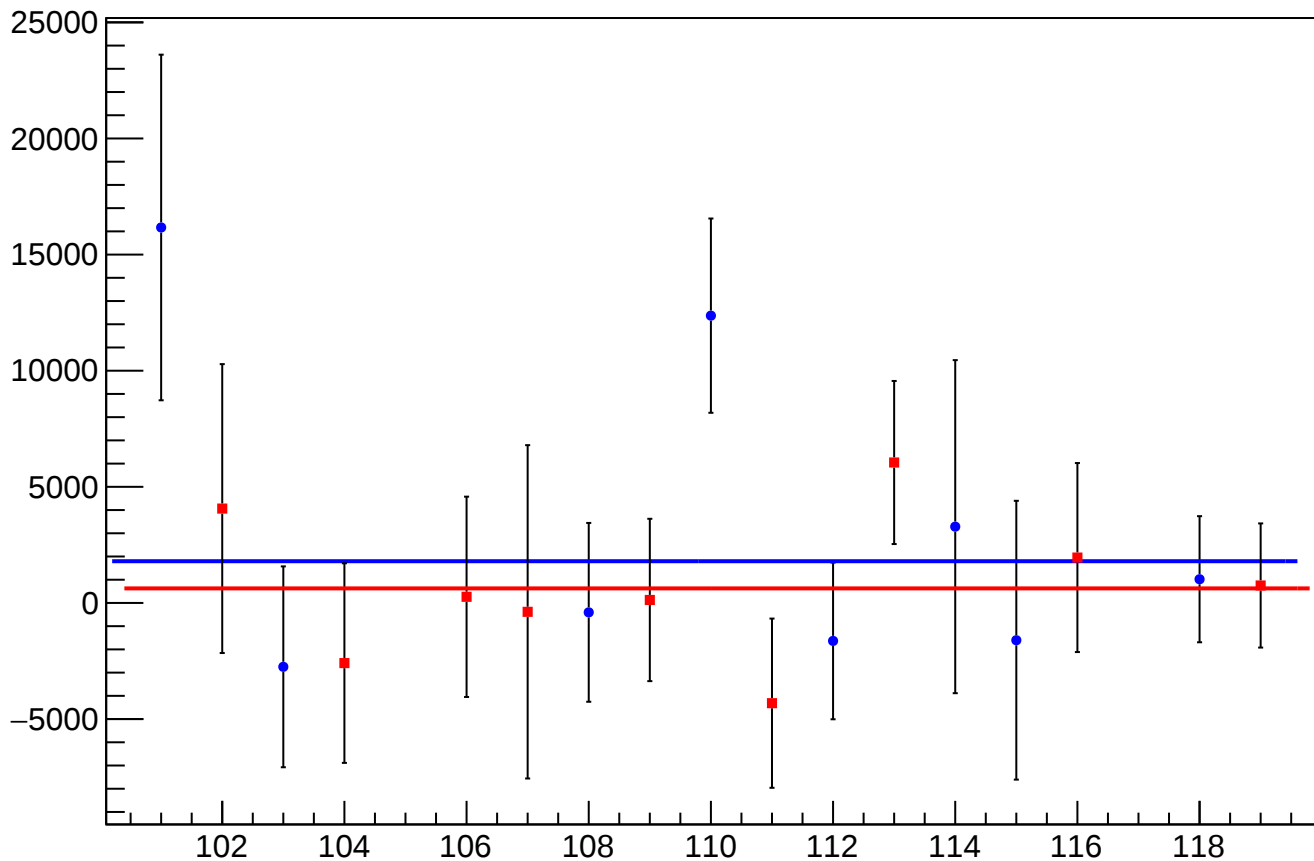
Right: 530.915+/-0.166  $\chi^2/\text{NDF}$ : 3593184.6/16

In: 630.167+/-0.278  $\chi^2/\text{NDF}$ : 1076029.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 530.915+/-0.166  $\chi^2/\text{NDF}$ : 3593184.6/16

# asym\_at1\_avg\_mean vs Slug, Sign Corrected



Right In: 1797.132+/-1463.572  $\chi^2/\text{NDF}$ : 13.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 626.425+/-1299.859  $\chi^2/\text{NDF}$ : 5.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

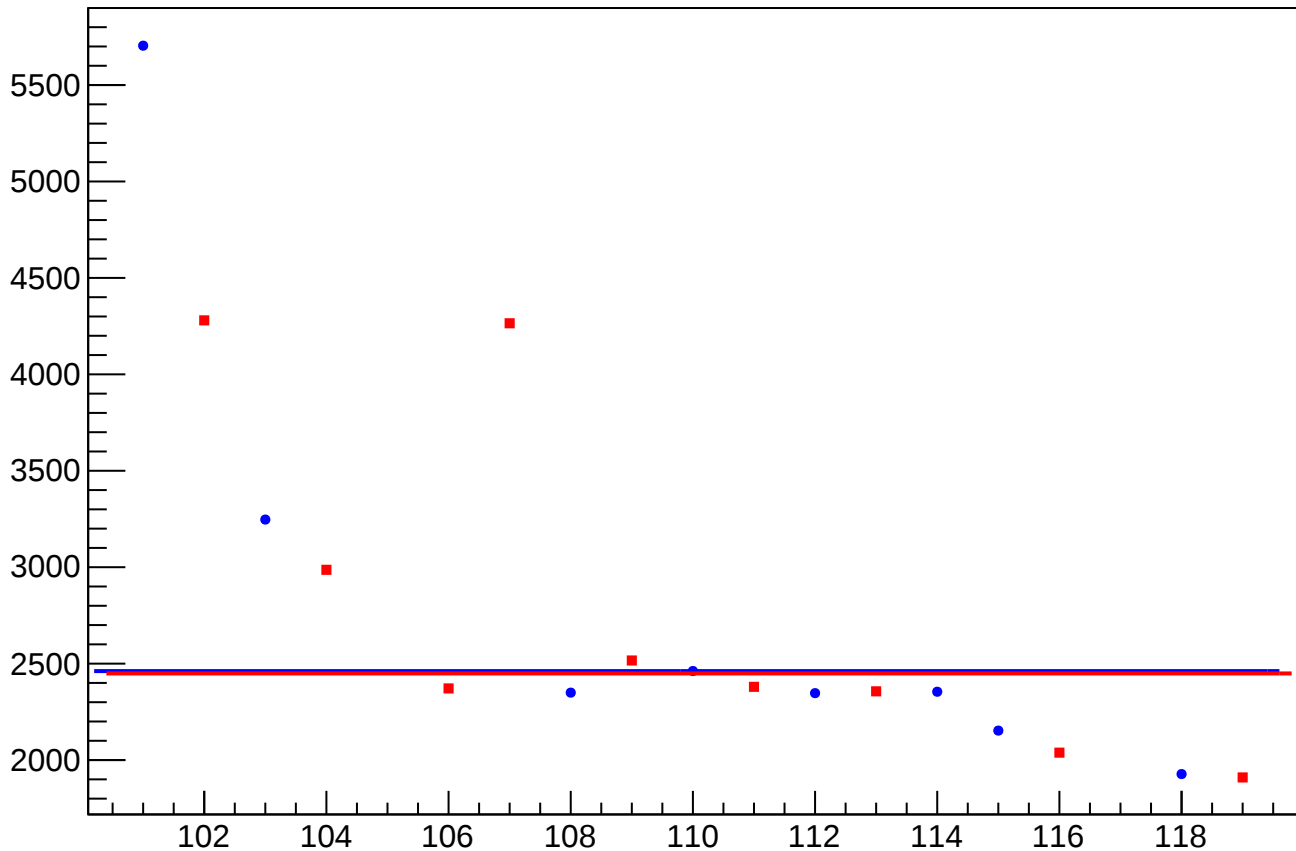
Right: 1142.665+/-971.887  $\chi^2/\text{NDF}$ : 18.6/16

In: 1797.132+/-1463.572  $\chi^2/\text{NDF}$ : 13.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1142.665+/-971.887  $\chi^2/\text{NDF}$ : 18.6/16

# asym\_at1\_avg\_rms vs Slug, Sign Corrected



Right In: 2461.290+/-1.035  $\chi^2/\text{NDF}$ : 532910.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2449.166+/-0.919  $\chi^2/\text{NDF}$ : 437874.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

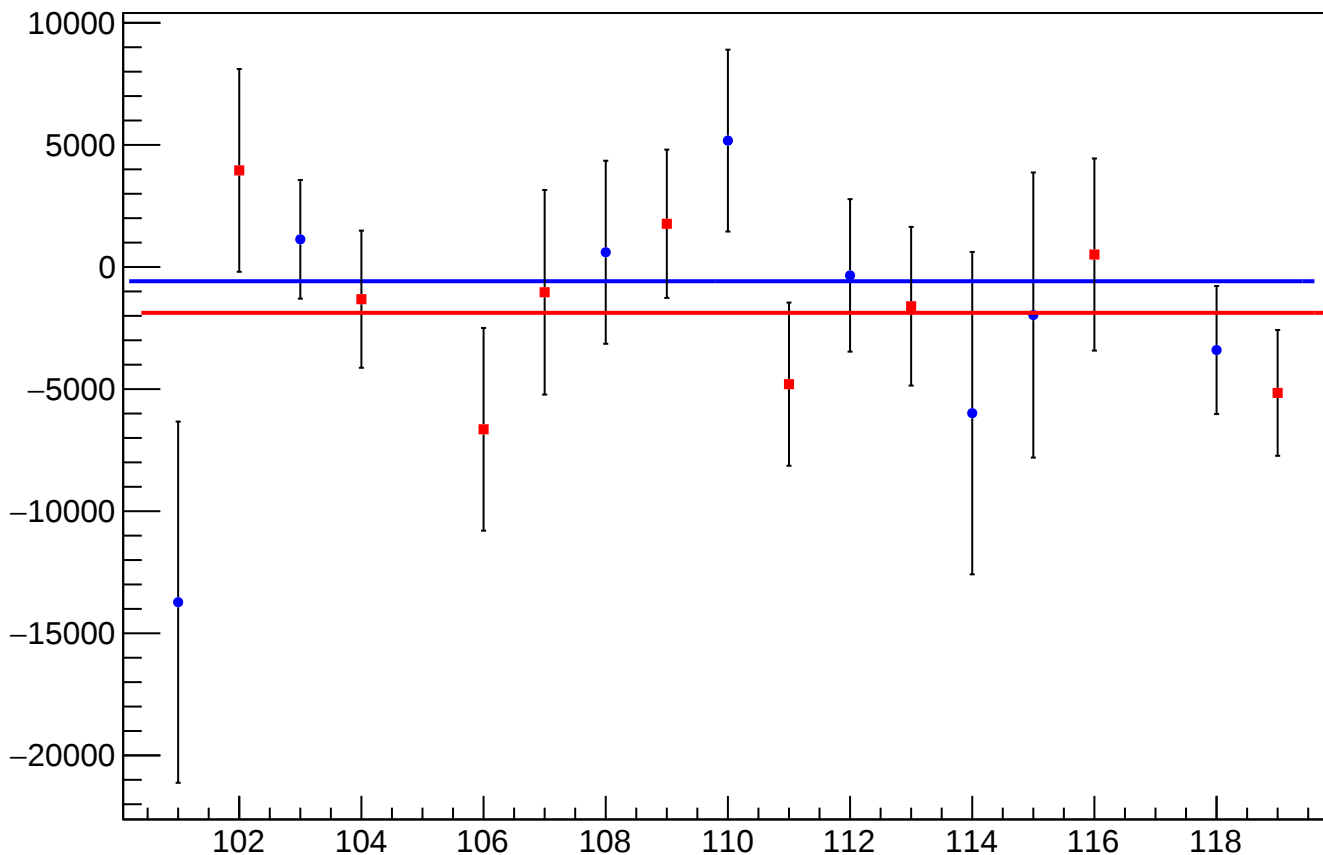
Right: 2454.512+/-0.687  $\chi^2/\text{NDF}$ : 970861.5/16

In: 2461.290+/-1.035  $\chi^2/\text{NDF}$ : 532910.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2454.512+/-0.687  $\chi^2/\text{NDF}$ : 970861.5/16

# dit\_asym\_at1\_dd\_mean vs Slug, Sign Corrected



Right In: -581.619+/-1258.553  $\chi^2/\text{NDF}$ : 8.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1875.498+/-1112.637  $\chi^2/\text{NDF}$ : 7.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

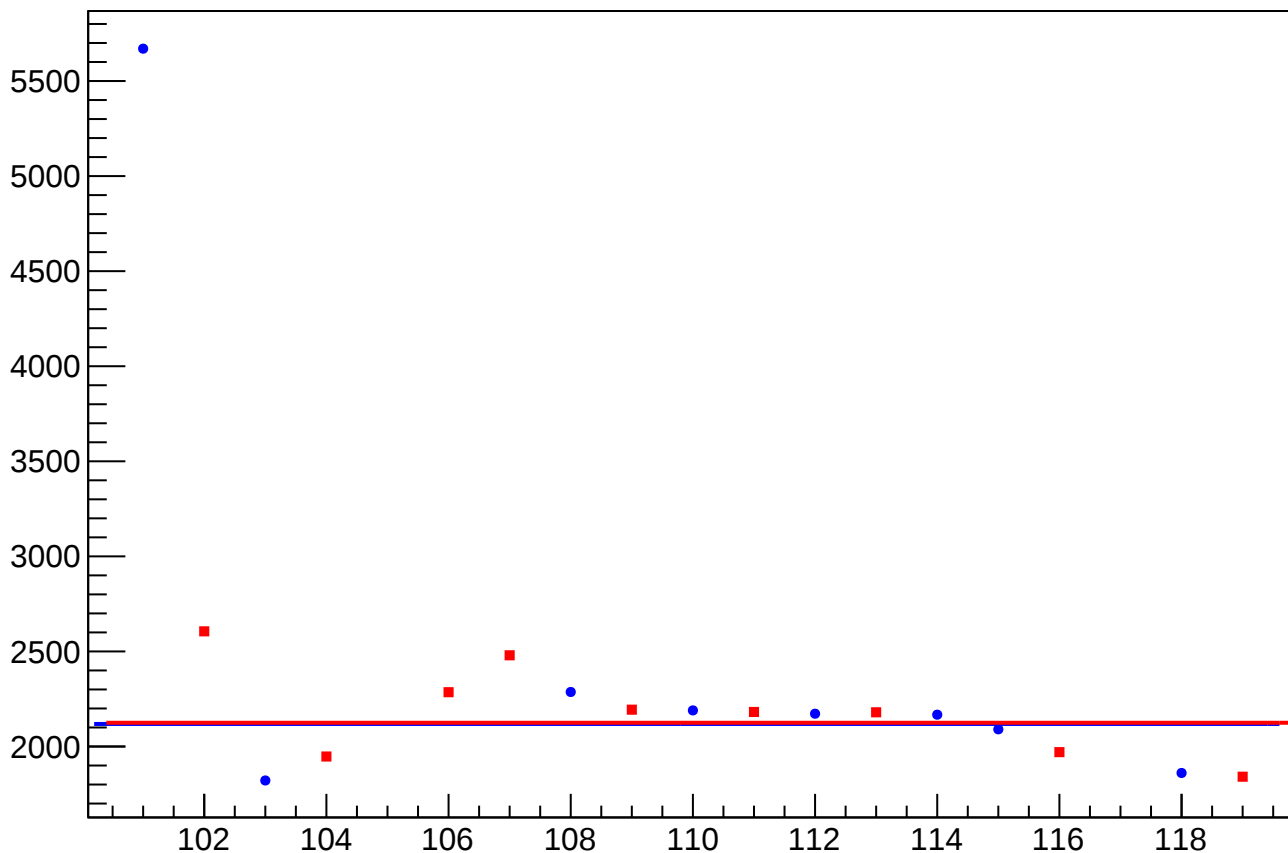
Right: -1307.880+/-833.591  $\chi^2/\text{NDF}$ : 16.2/16

In: -581.619+/-1258.553  $\chi^2/\text{NDF}$ : 8.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1307.880+/-833.591  $\chi^2/\text{NDF}$ : 16.2/16

# dit\_asym\_at1\_dd\_rms vs Slug, Sign Corrected



Right In: 2118.567+/-0.890  $\chi^2/\text{NDF}$ : 515909.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2124.890+/-0.787  $\chi^2/\text{NDF}$ : 81686.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

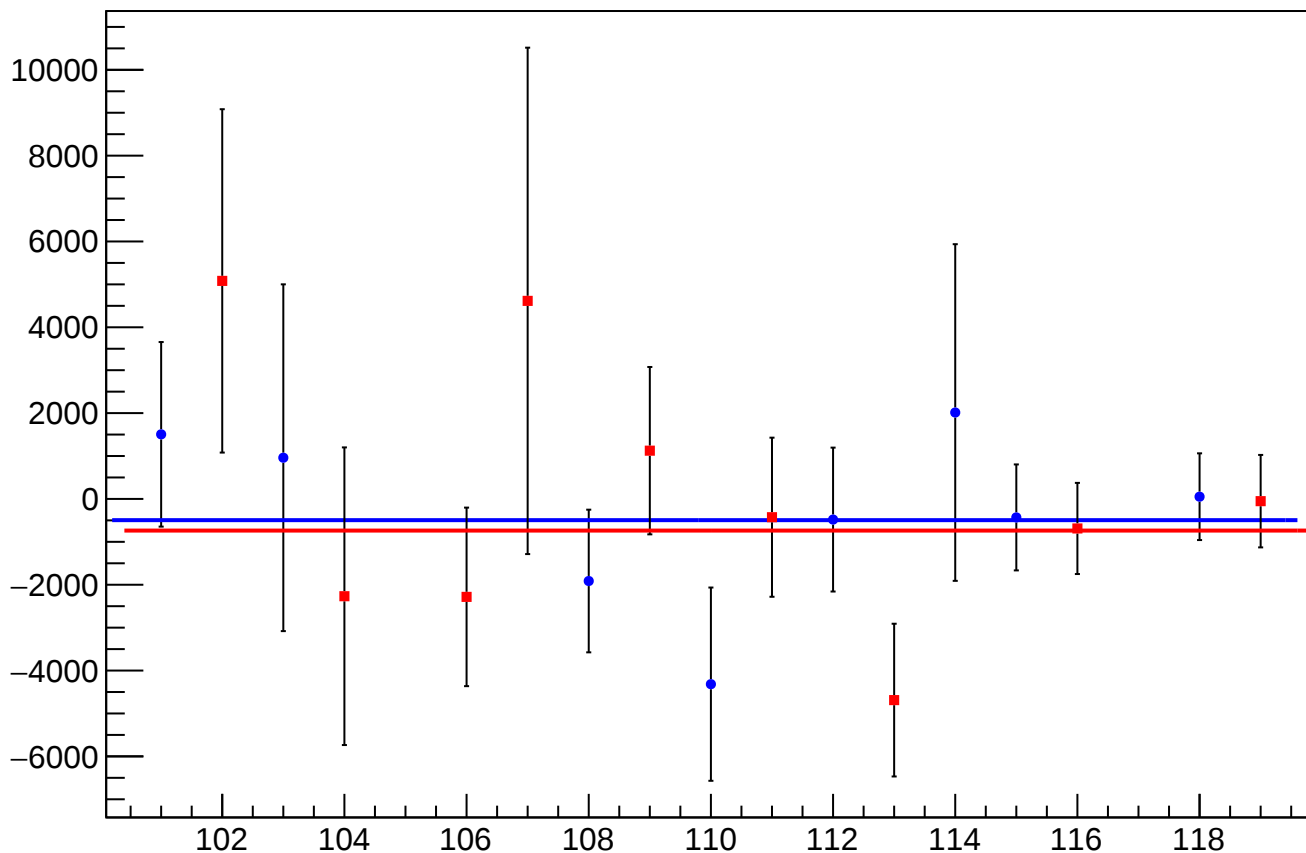
Right: 2122.116+/-0.589  $\chi^2/\text{NDF}$ : 597624.6/16

In: 2118.567+/-0.890  $\chi^2/\text{NDF}$ : 515909.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2122.116+/-0.589  $\chi^2/\text{NDF}$ : 597624.6/16

asym\_at1\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -494.891+/-588.010  $\chi^2/\text{NDF}$ : 5.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -737.628+/-575.163  $\chi^2/\text{NDF}$ : 10.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

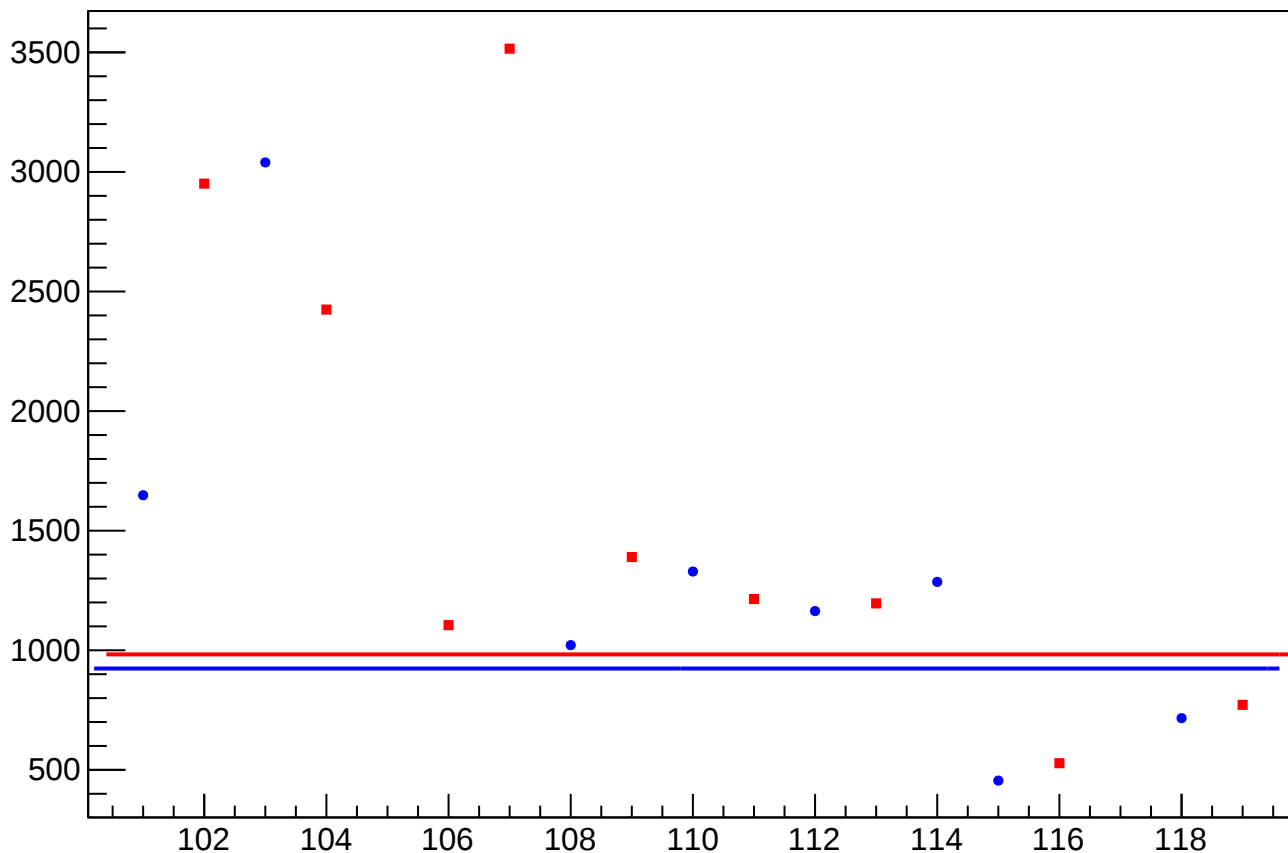
Right: -618.940+/-411.168  $\chi^2/\text{NDF}$ : 15.4/16

In: -494.891+/-588.010  $\chi^2/\text{NDF}$ : 5.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -618.940+/-411.168  $\chi^2/\text{NDF}$ : 15.4/16

asym\_at1\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 923.745+/-0.416  $\chi^2/\text{NDF}$ : 1277507.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 982.894+/-0.407  $\chi^2/\text{NDF}$ : 1795716.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

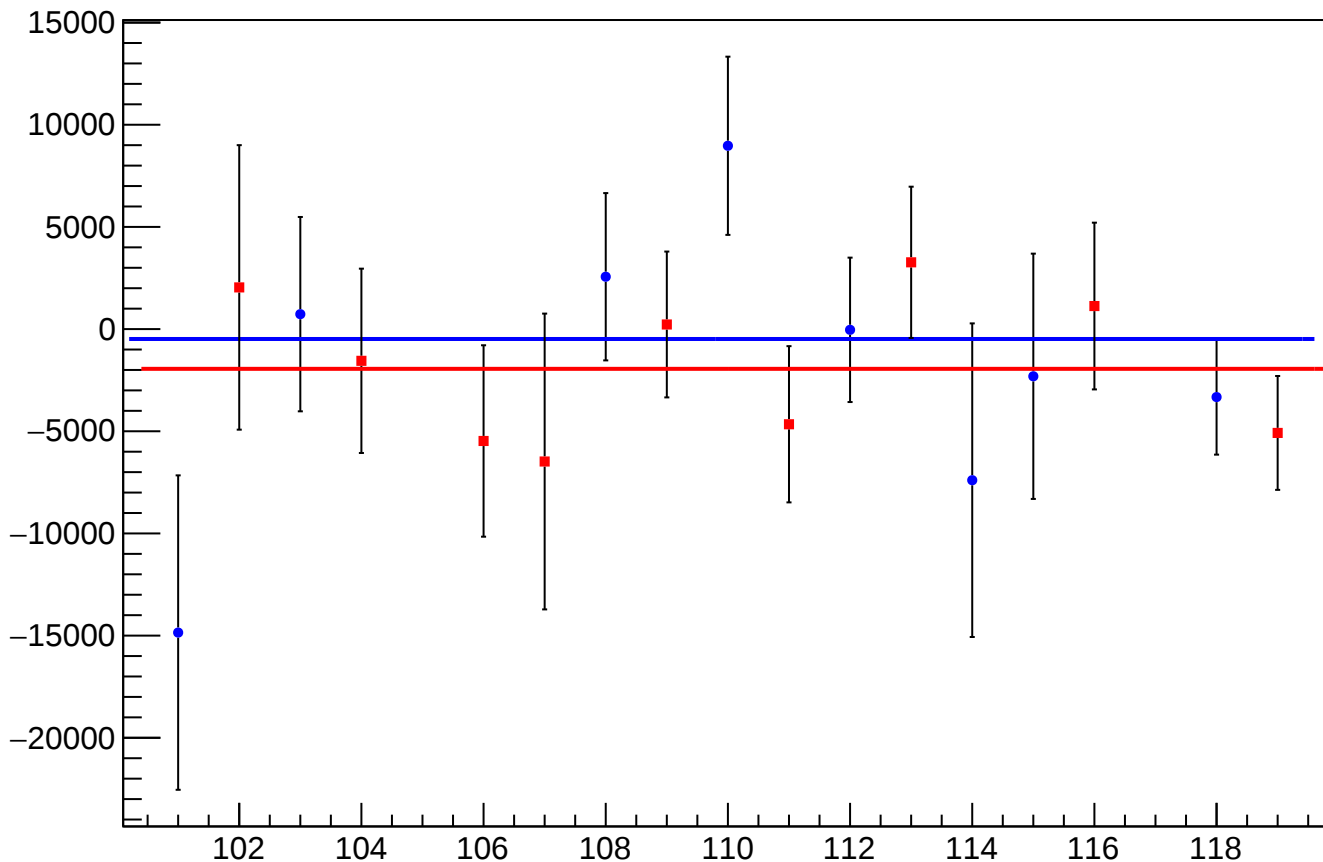
Right: 953.973+/-0.291  $\chi^2/\text{NDF}$ : 3083566.4/16

In: 923.745+/-0.416  $\chi^2/\text{NDF}$ : 1277507.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 953.973+/-0.291  $\chi^2/\text{NDF}$ : 3083566.4/16

# asym\_at1\_dd\_mean vs Slug, Sign Corrected



Right In: -484.270+/-1535.417  $\chi^2/\text{NDF}$ : 10.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1944.893+/-1356.634  $\chi^2/\text{NDF}$ : 6.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

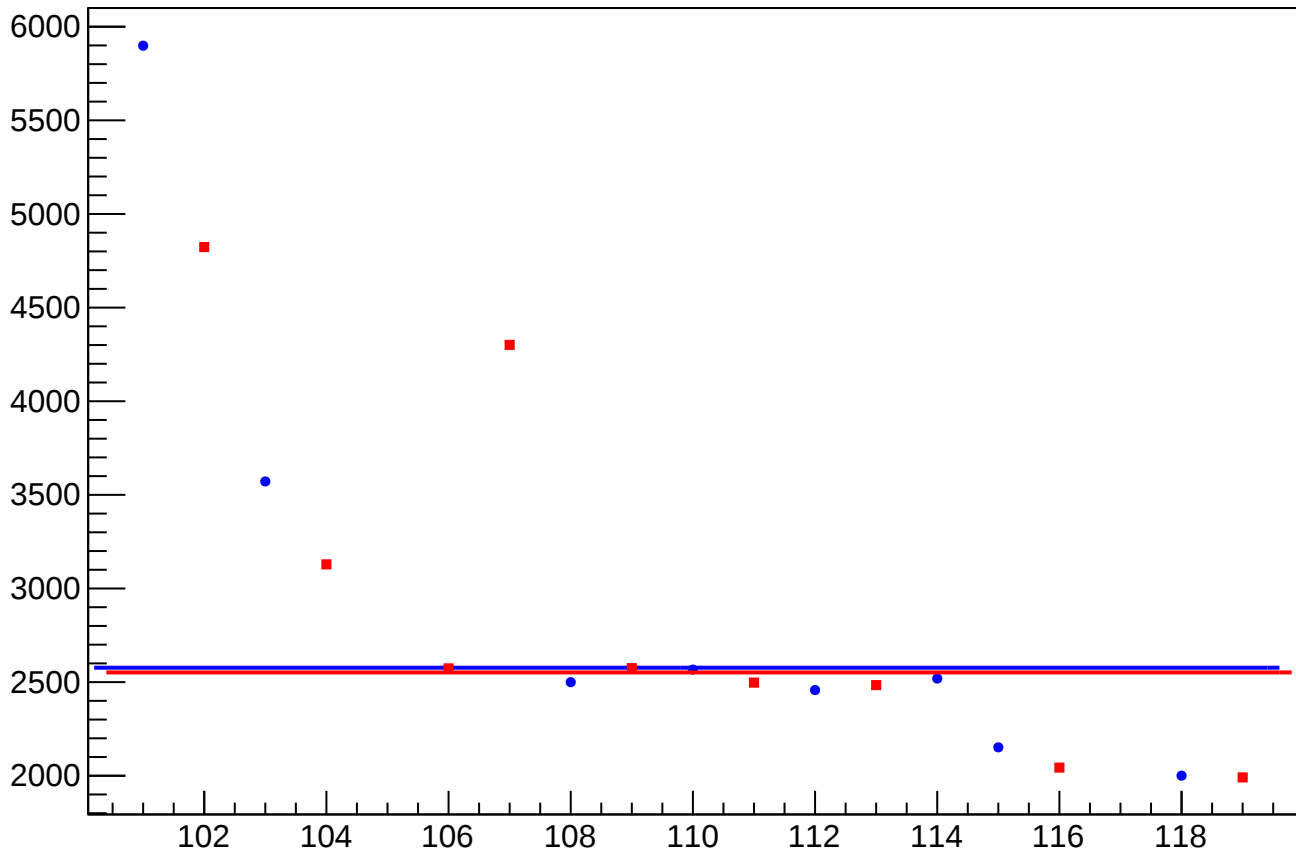
Right: -1304.531+/-1016.646  $\chi^2/\text{NDF}$ : 17.2/16

In: -484.270+/-1535.417  $\chi^2/\text{NDF}$ : 10.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1304.531+/-1016.646  $\chi^2/\text{NDF}$ : 17.2/16

# asym\_at1\_dd\_rms vs Slug, Sign Corrected



Right In: 2577.025+/-1.086  $\chi^2/\text{NDF}$ : 557184.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2551.783+/-0.959  $\chi^2/\text{NDF}$ : 475844.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

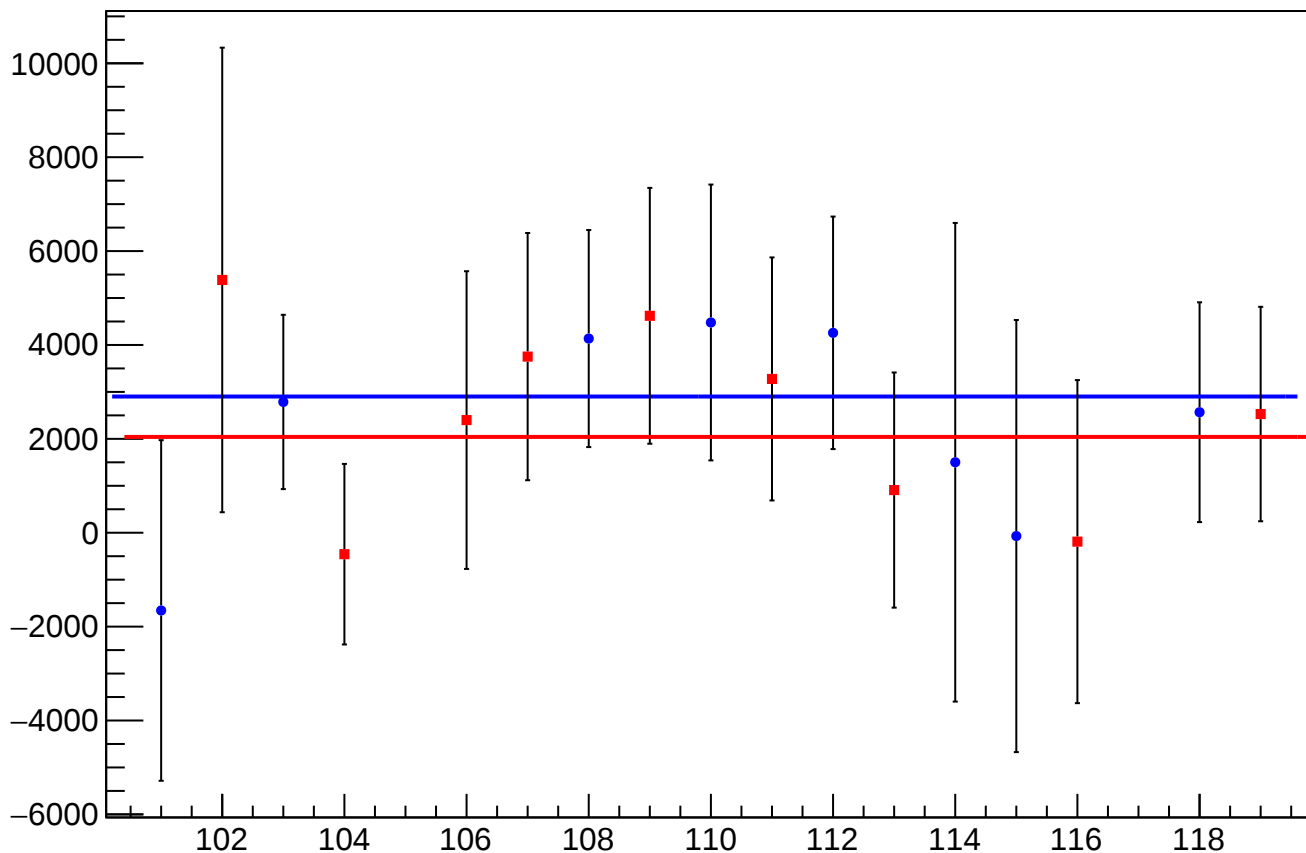
Right: 2562.849+/-0.719  $\chi^2/\text{NDF}$ : 1033333.1/16

In: 2577.025+/-1.086  $\chi^2/\text{NDF}$ : 557184.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2562.849+/-0.719  $\chi^2/\text{NDF}$ : 1033333.1/16

dit\_asym\_at2\_avg\_mean vs Slug, Sign Corrected



Right In: 2901.675+/-953.359  $\chi^2/\text{NDF}$ : 3.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2041.025+/-885.869  $\chi^2/\text{NDF}$ : 4.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

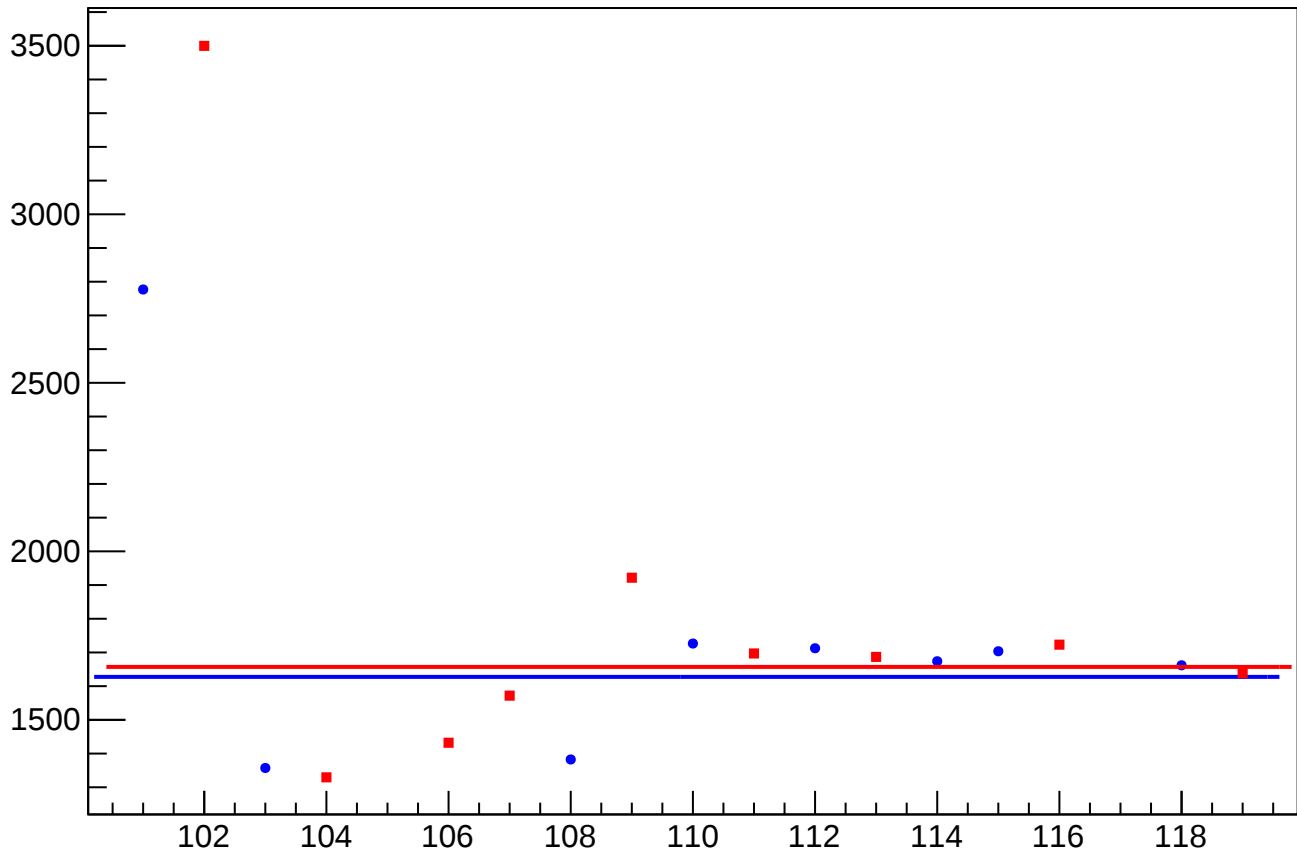
Right: 2439.811+/-648.953  $\chi^2/\text{NDF}$ : 7.8/16

In: 2901.675+/-953.359  $\chi^2/\text{NDF}$ : 3.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2439.811+/-648.953  $\chi^2/\text{NDF}$ : 7.8/16

# dit\_asym\_at2\_avg\_rms vs Slug, Sign Corrected



Right In: 1627.537+/-0.674  $\chi^2/\text{NDF}$ : 271359.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1657.155+/-0.626  $\chi^2/\text{NDF}$ : 368170.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

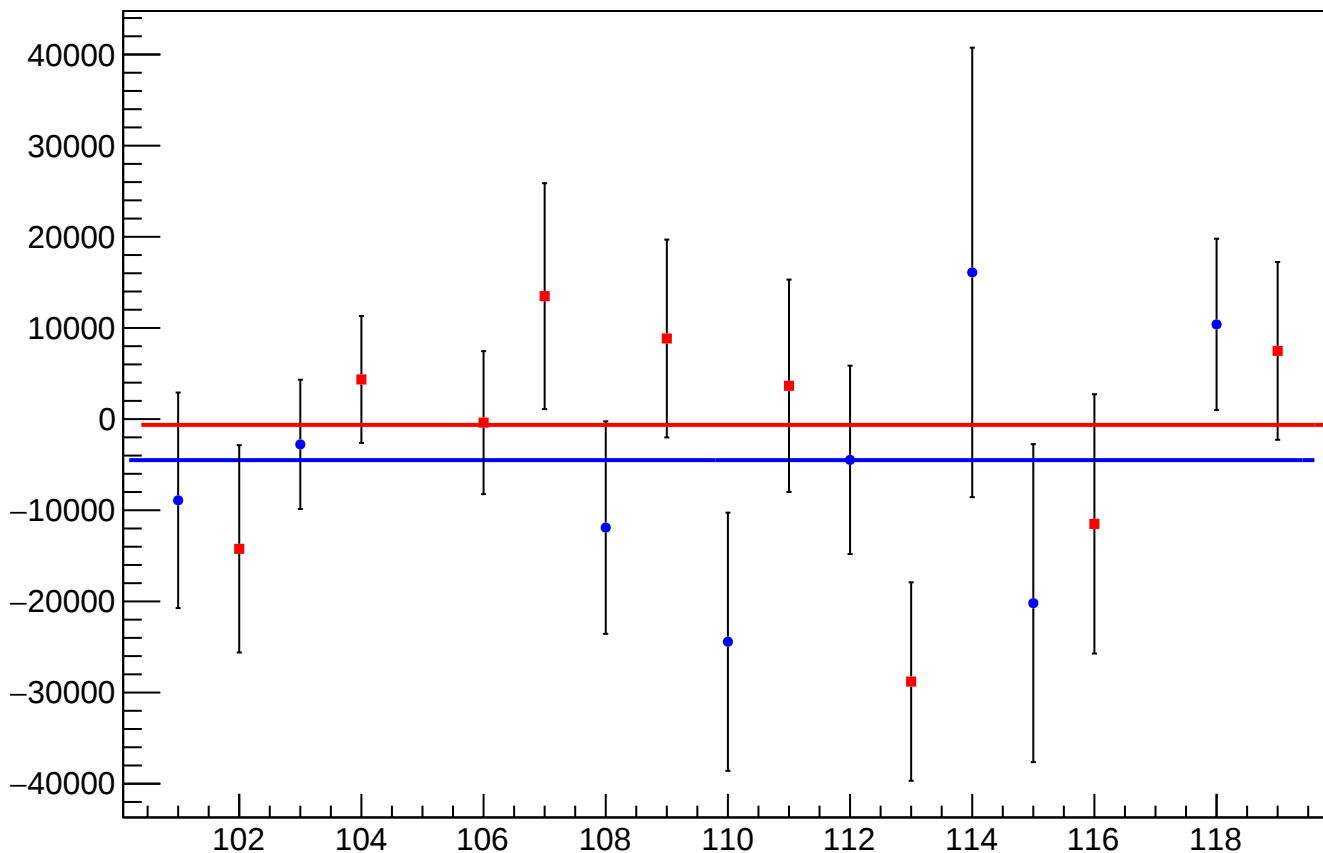
Right: 1643.438+/-0.459  $\chi^2/\text{NDF}$ : 640566.6/16

In: 1627.537+/-0.674  $\chi^2/\text{NDF}$ : 271359.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1643.438+/-0.459  $\chi^2/\text{NDF}$ : 640566.6/16

asym\_at2\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -4501.376+/-3922.734  $\chi^2/\text{NDF}$ : 6.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -634.259+/-3316.545  $\chi^2/\text{NDF}$ : 12.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

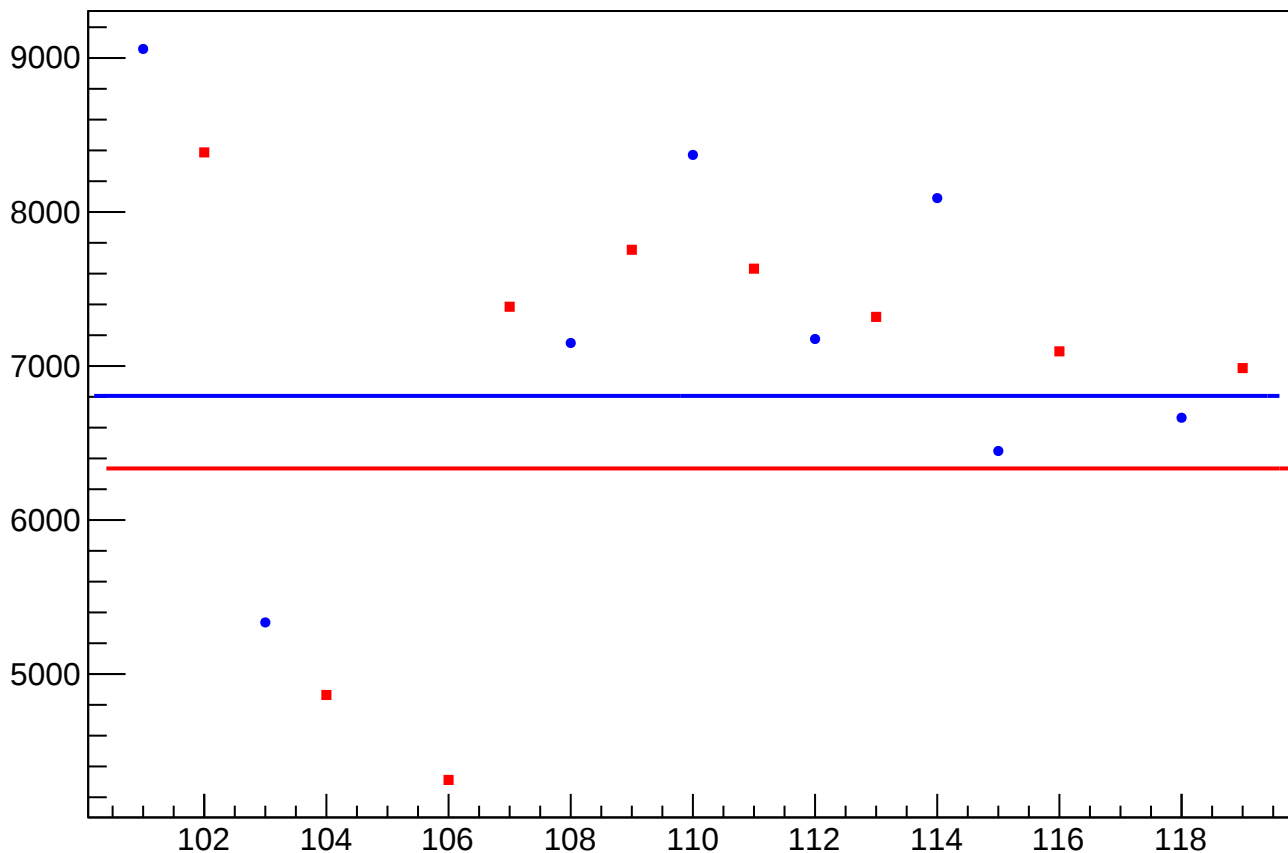
Right: -2246.255+/-2532.662  $\chi^2/\text{NDF}$ : 19.3/16

In: -4501.376+/-3922.734  $\chi^2/\text{NDF}$ : 6.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2246.255+/-2532.662  $\chi^2/\text{NDF}$ : 19.3/16

asym\_at2\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 6806.034+/-2.774  $\chi^2/\text{NDF}$ : 194079.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6334.825+/-2.345  $\chi^2/\text{NDF}$ : 391914.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

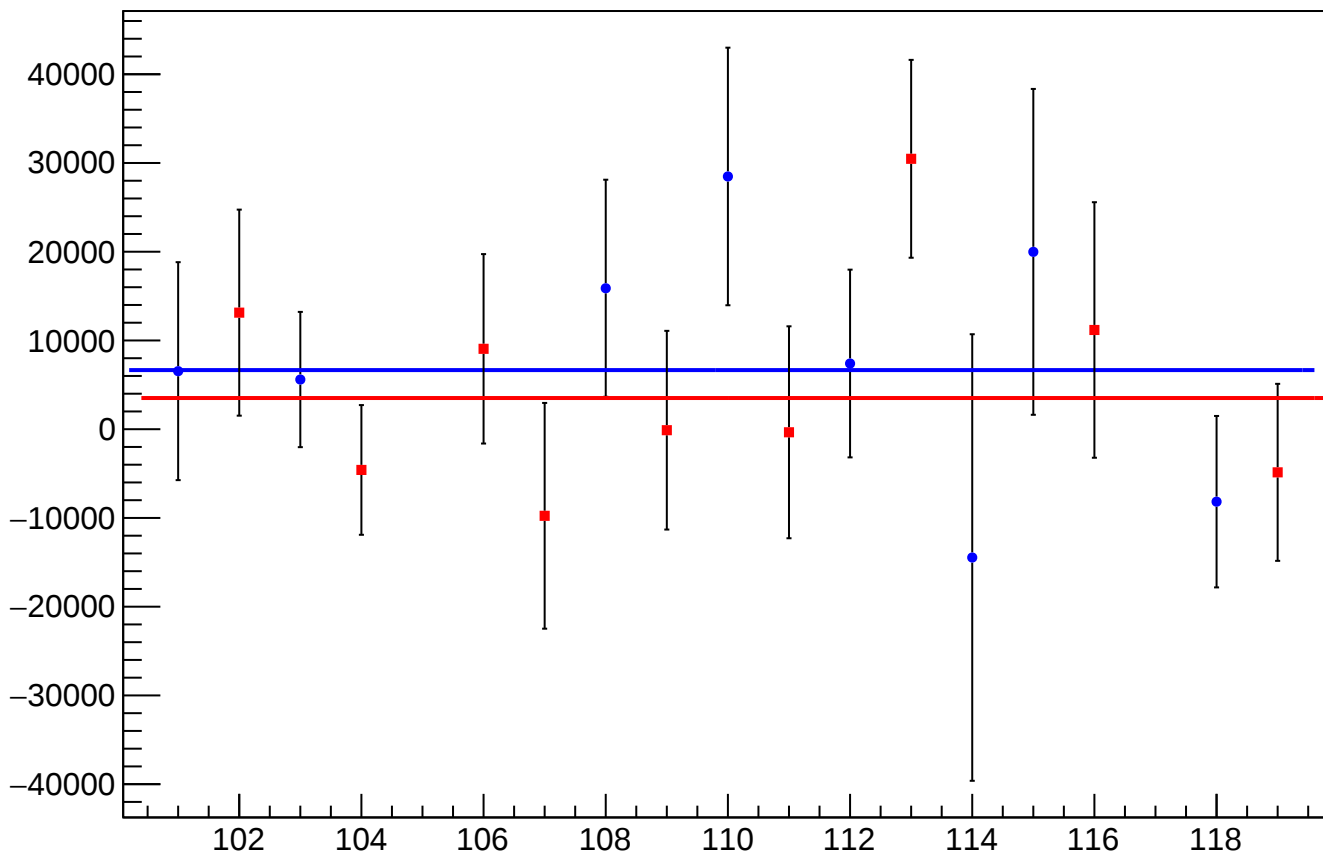
Right: 6531.247+/-1.791  $\chi^2/\text{NDF}$ : 602823.2/16

In: 6806.034+/-2.774  $\chi^2/\text{NDF}$ : 194079.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6531.247+/-1.791  $\chi^2/\text{NDF}$ : 602823.2/16

# asym\_at2\_avg\_mean vs Slug, Sign Corrected



Right In: 6661.613+/-4100.304  $\chi^2/\text{NDF}$ : 6.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3513.859+/-3557.538  $\chi^2/\text{NDF}$ : 10.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

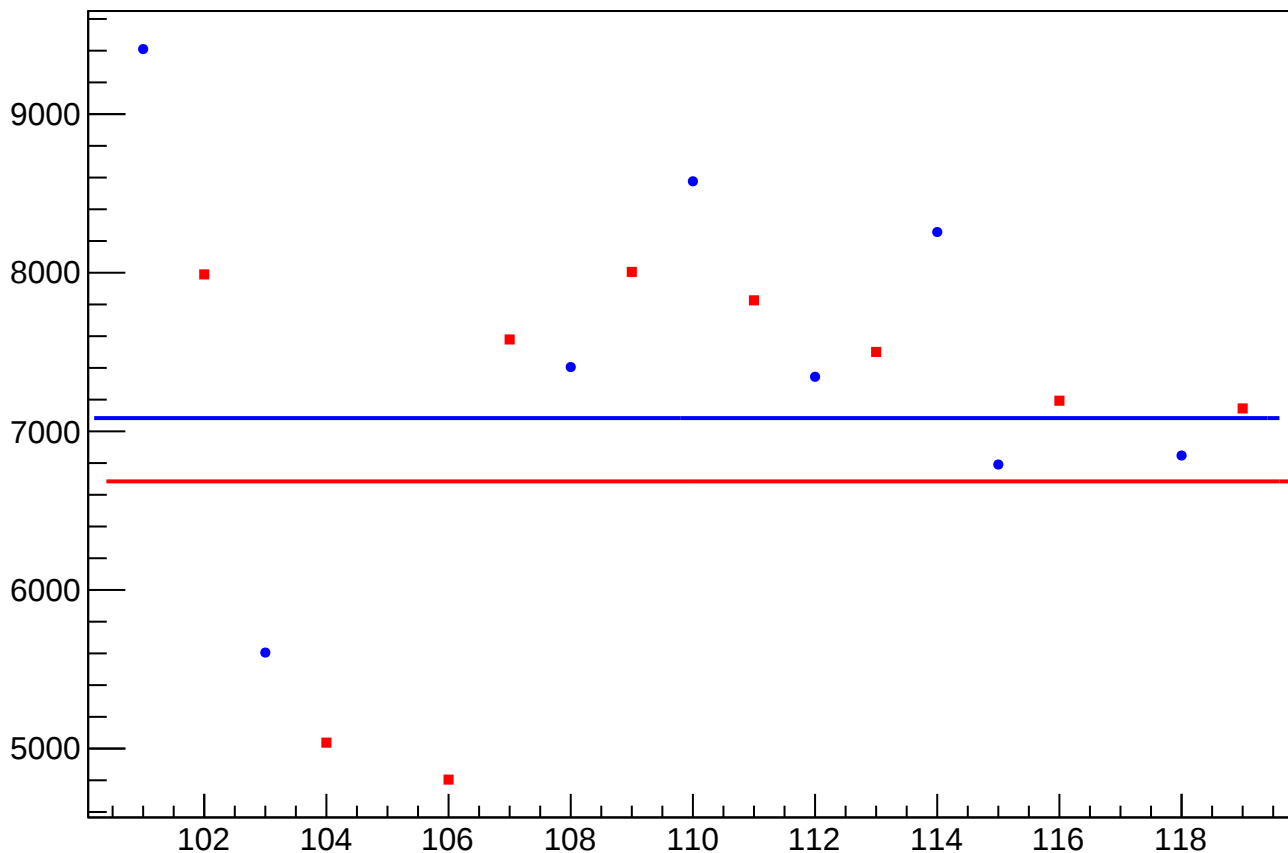
Right: 4865.747+/-2687.114  $\chi^2/\text{NDF}$ : 17.1/16

In: 6661.613+/-4100.304  $\chi^2/\text{NDF}$ : 6.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4865.747+/-2687.114  $\chi^2/\text{NDF}$ : 17.1/16

# asym\_at2\_avg\_rms vs Slug, Sign Corrected



Right In: 7083.449+/-2.899  $\chi^2/\text{NDF}$ : 176873.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6684.512+/-2.515  $\chi^2/\text{NDF}$ : 262618.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

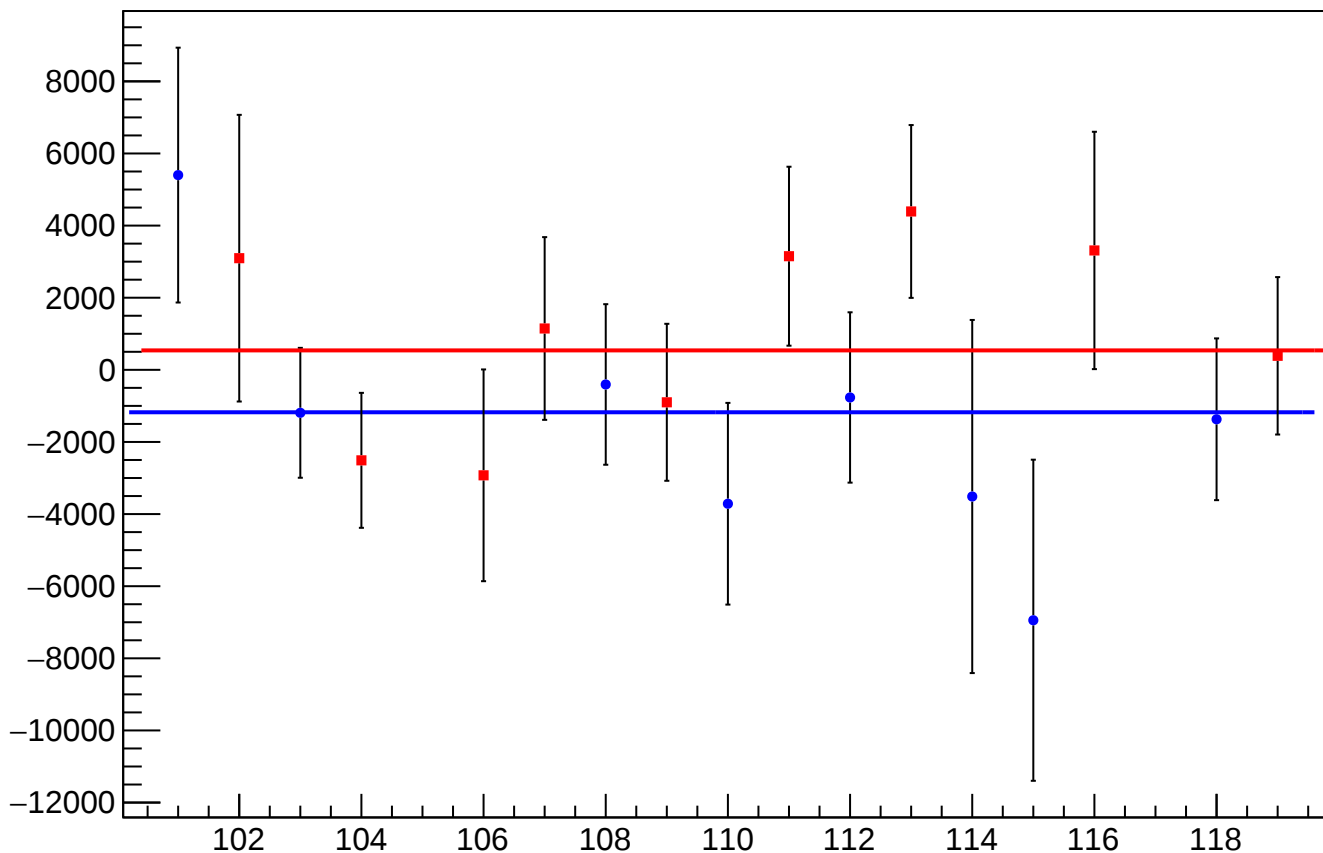
Right: 6855.815+/-1.900  $\chi^2/\text{NDF}$ : 450296.3/16

In: 7083.449+/-2.899  $\chi^2/\text{NDF}$ : 176873.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6855.815+/-1.900  $\chi^2/\text{NDF}$ : 450296.3/16

# dit\_asym\_at2\_dd\_mean vs Slug, Sign Corrected



Right In: -1176.734+/-917.398  $\chi^2/\text{NDF}$ : 6.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 538.985+/-824.647  $\chi^2/\text{NDF}$ : 9.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

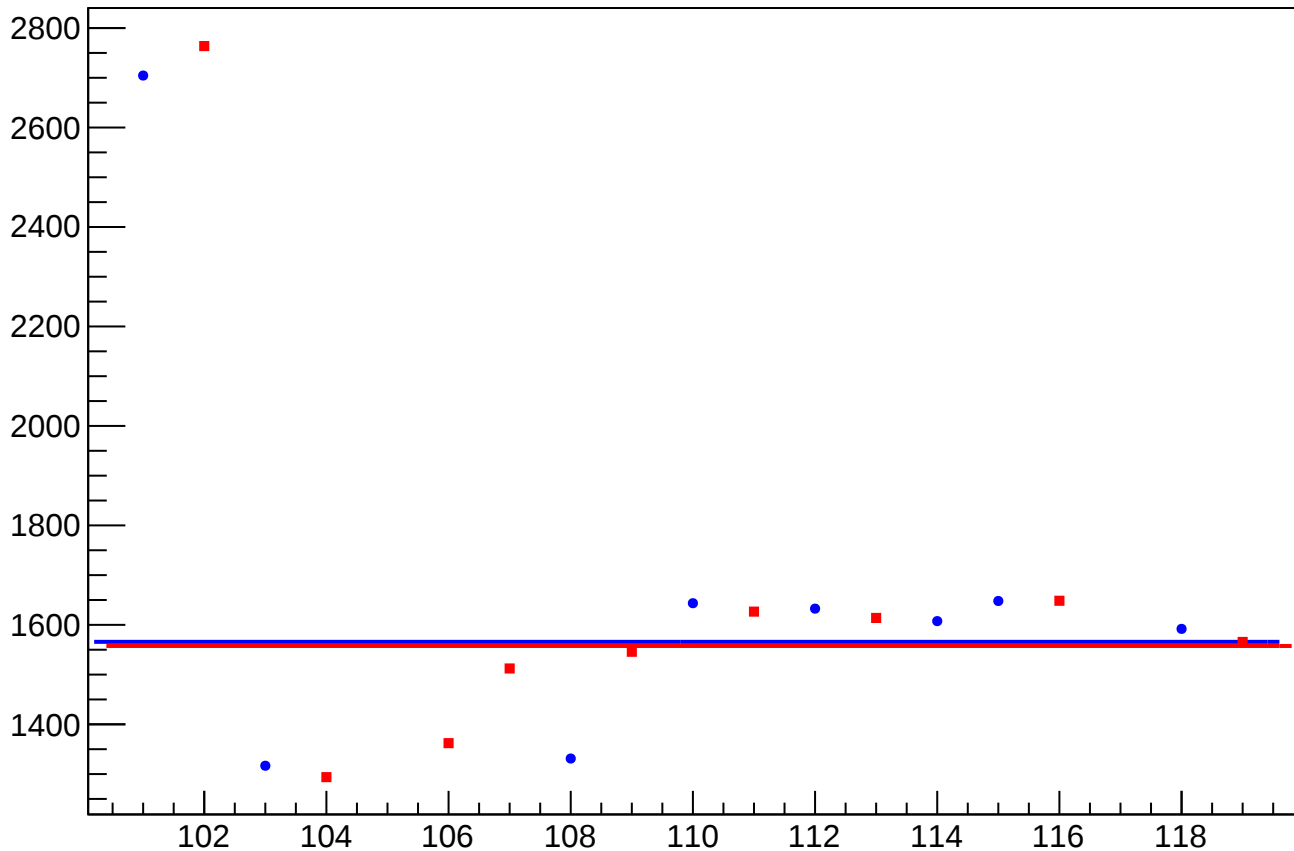
Right: -227.783+/-613.291  $\chi^2/\text{NDF}$ : 17.6/16

In: -1176.734+/-917.398  $\chi^2/\text{NDF}$ : 6.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -227.783+/-613.291  $\chi^2/\text{NDF}$ : 17.6/16

# dit\_asym\_at2\_dd\_rms vs Slug, Sign Corrected



Right In: 1565.872+/-0.649  $\chi^2/\text{NDF}$ : 272401.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1557.554+/-0.583  $\chi^2/\text{NDF}$ : 237675.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

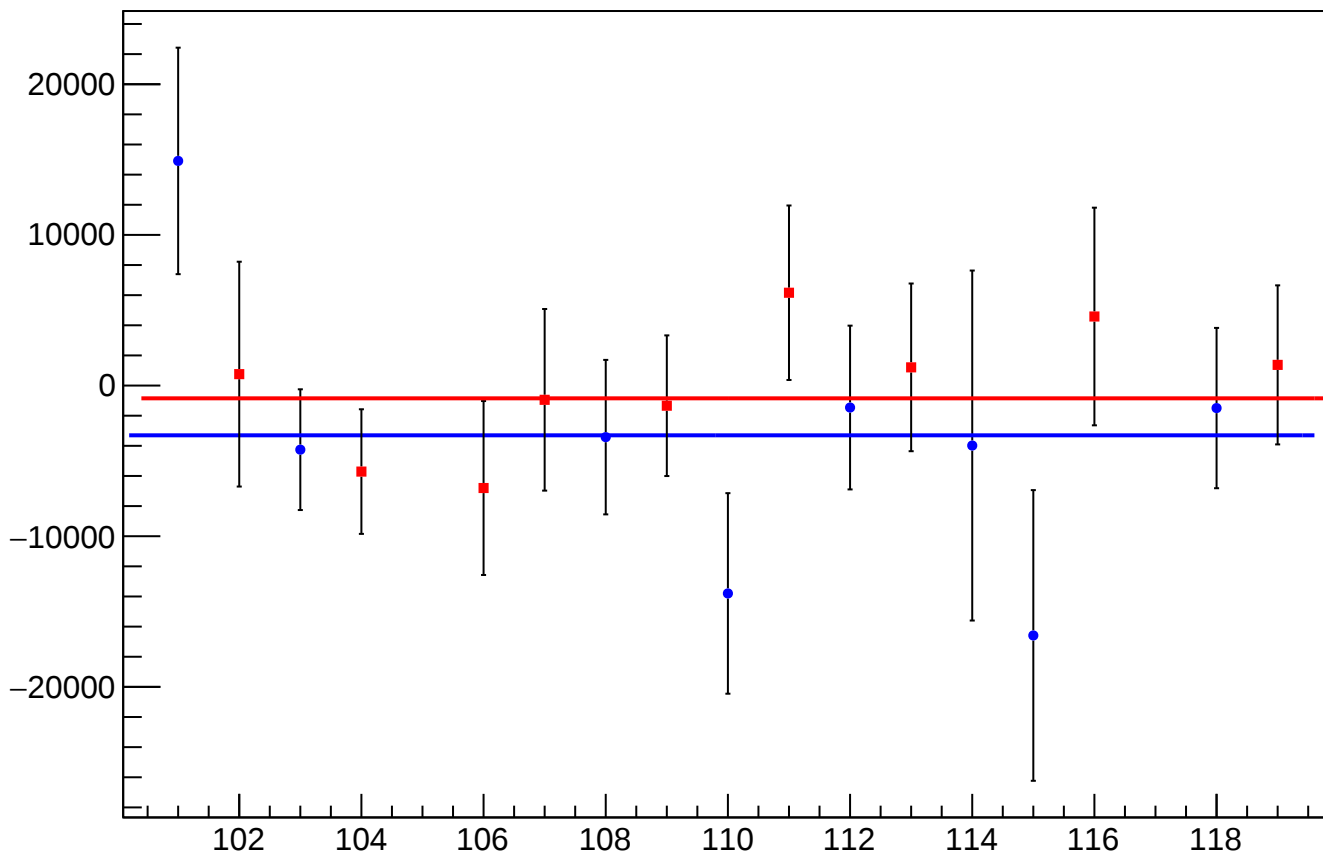
Right: 1561.271+/-0.434  $\chi^2/\text{NDF}$ : 510167.7/16

In: 1565.872+/-0.649  $\chi^2/\text{NDF}$ : 272401.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1561.271+/-0.434  $\chi^2/\text{NDF}$ : 510167.7/16

asym\_at2\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -3302.394+/-2094.575  $\chi^2/\text{NDF}$ : 10.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -847.782+/-1834.867  $\chi^2/\text{NDF}$ : 4.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

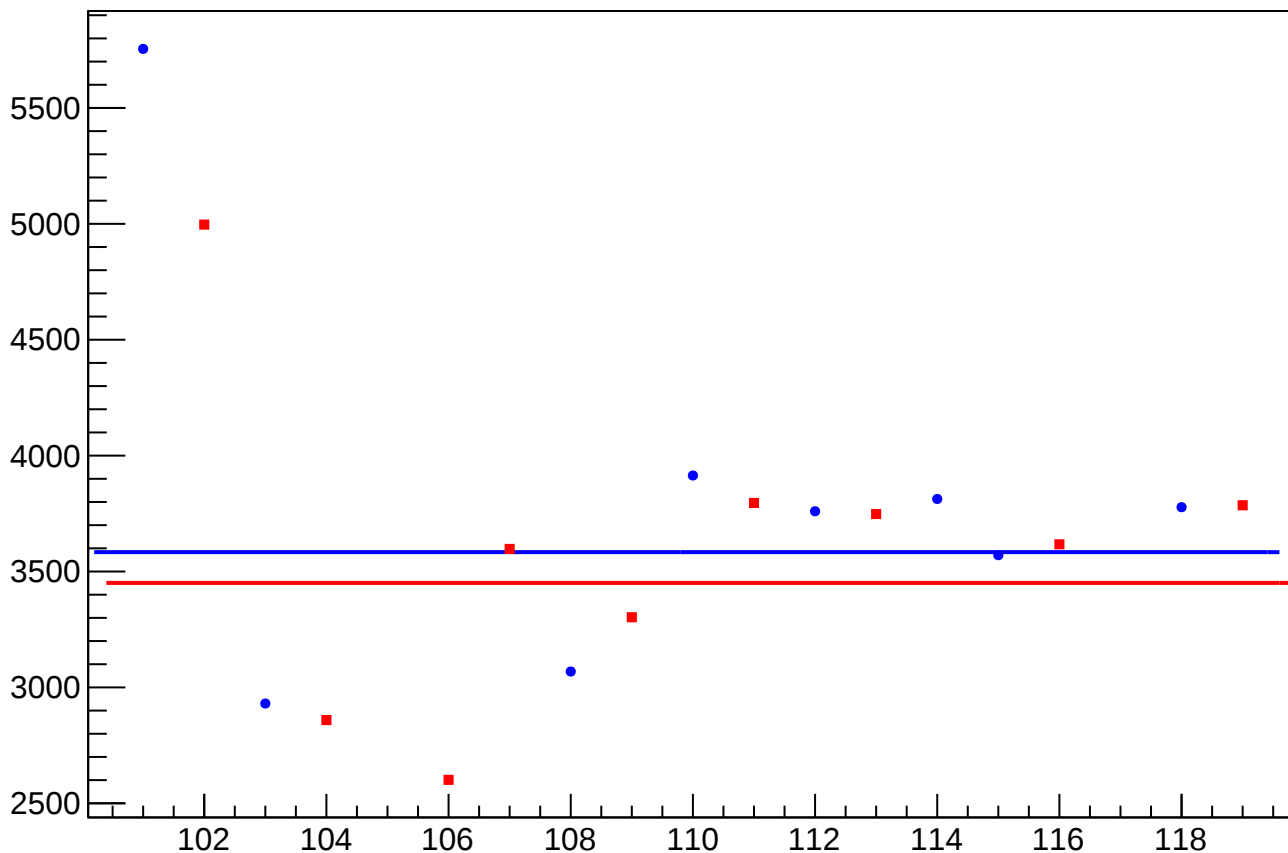
Right: -1913.561+/-1380.187  $\chi^2/\text{NDF}$ : 16.2/16

In: -3302.394+/-2094.575  $\chi^2/\text{NDF}$ : 10.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1913.561+/-1380.187  $\chi^2/\text{NDF}$ : 16.2/16

asym\_at2\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 3583.583+/-1.481  $\chi^2/\text{NDF}$ : 250668.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3450.882+/-1.297  $\chi^2/\text{NDF}$ : 195263.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

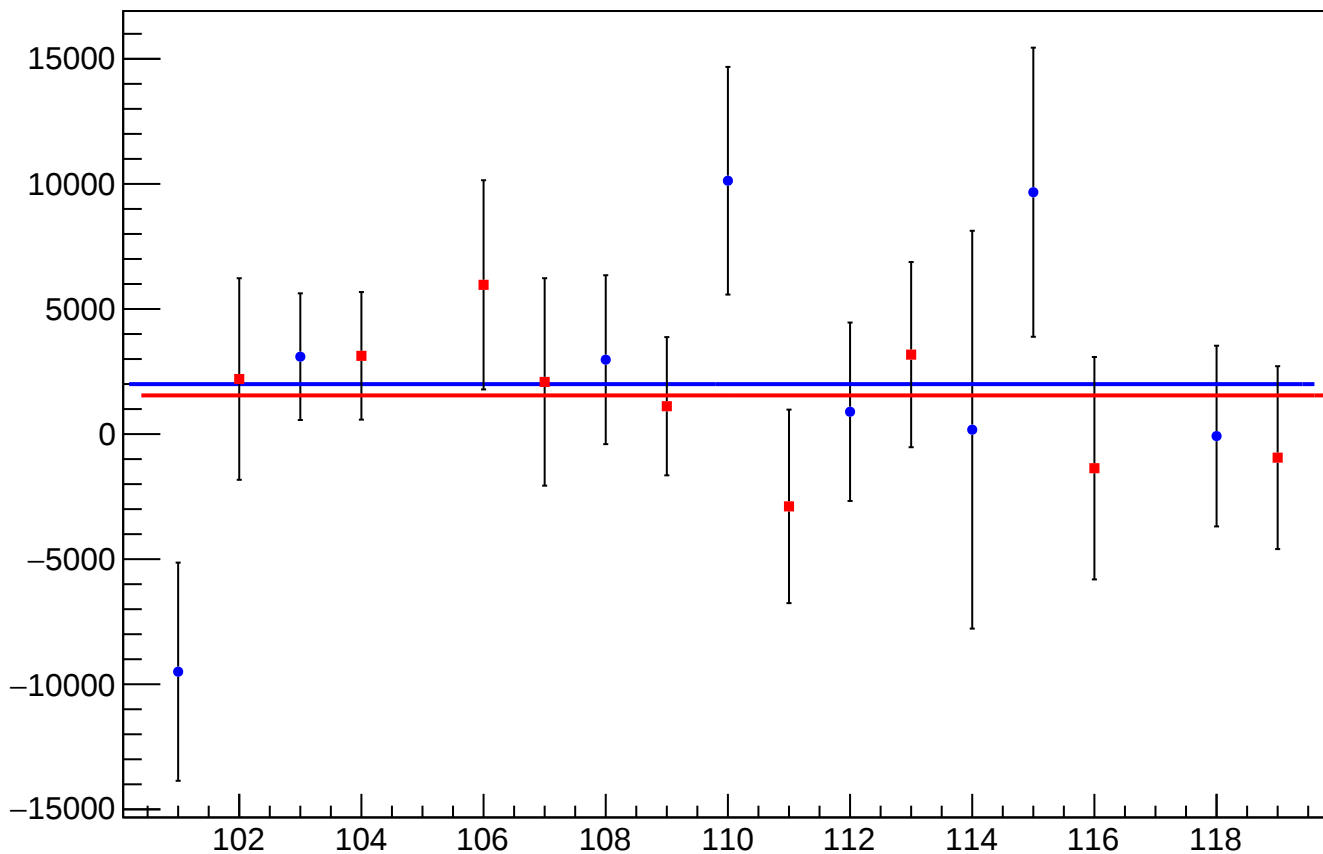
Right: 3508.498+/-0.976  $\chi^2/\text{NDF}$ : 450474.0/16

In: 3583.583+/-1.481  $\chi^2/\text{NDF}$ : 250668.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3508.498+/-0.976  $\chi^2/\text{NDF}$ : 450474.0/16

# asym\_at2\_dd\_mean vs Slug, Sign Corrected



Right In: 1996.993+/-1353.746  $\chi^2$ /NDF: 12.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1546.216+/-1172.823  $\chi^2$ /NDF: 4.0/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

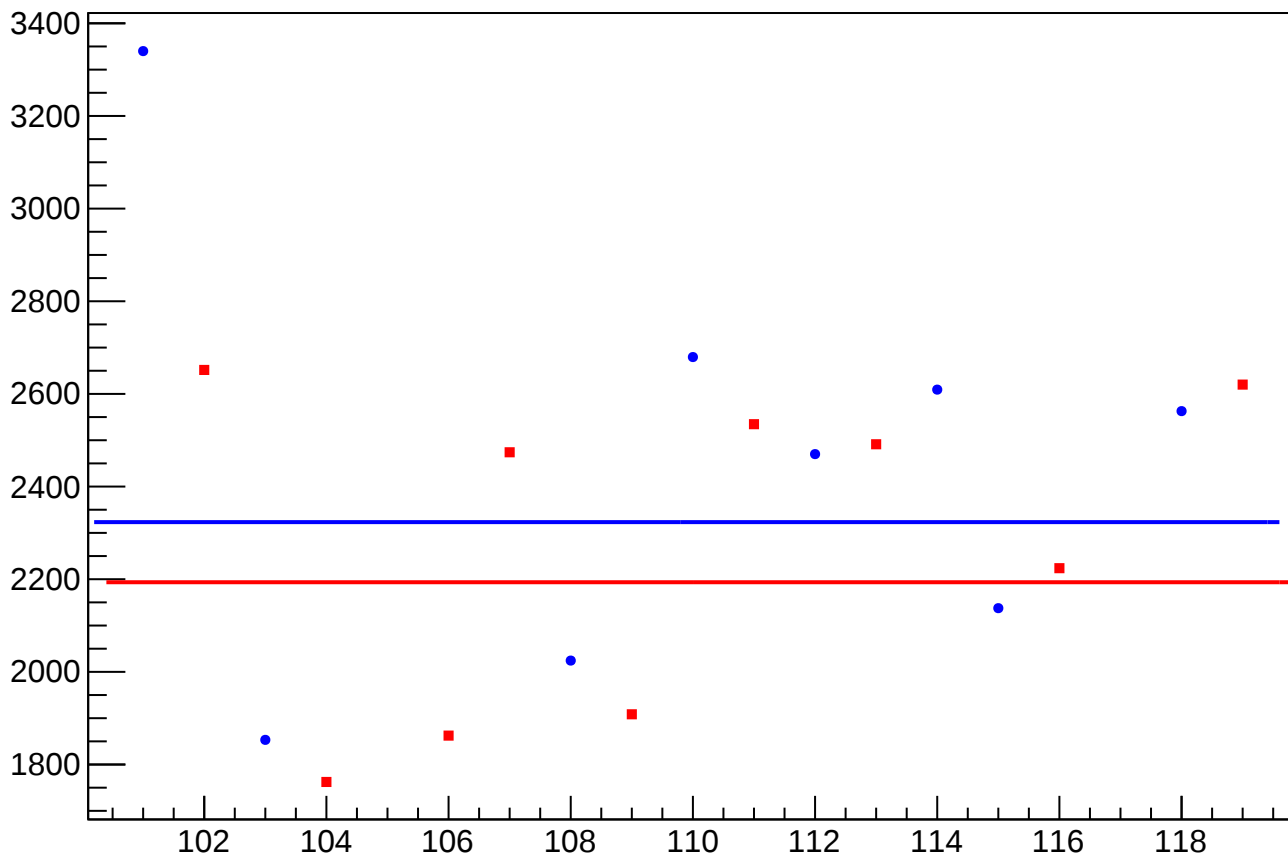
Right: 1739.490+/-886.427  $\chi^2$ /NDF: 16.7/16

In: 1996.993+/-1353.746  $\chi^2$ /NDF:12.7/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1739.490+/-886.427  $\chi^2$ /NDF: 16.7/16

# asym\_at2\_dd\_rms vs Slug, Sign Corrected



Right In: 2323.240+/-0.957  $\chi^2/\text{NDF}$ : 222435.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2193.476+/-0.829  $\chi^2/\text{NDF}$ : 181870.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

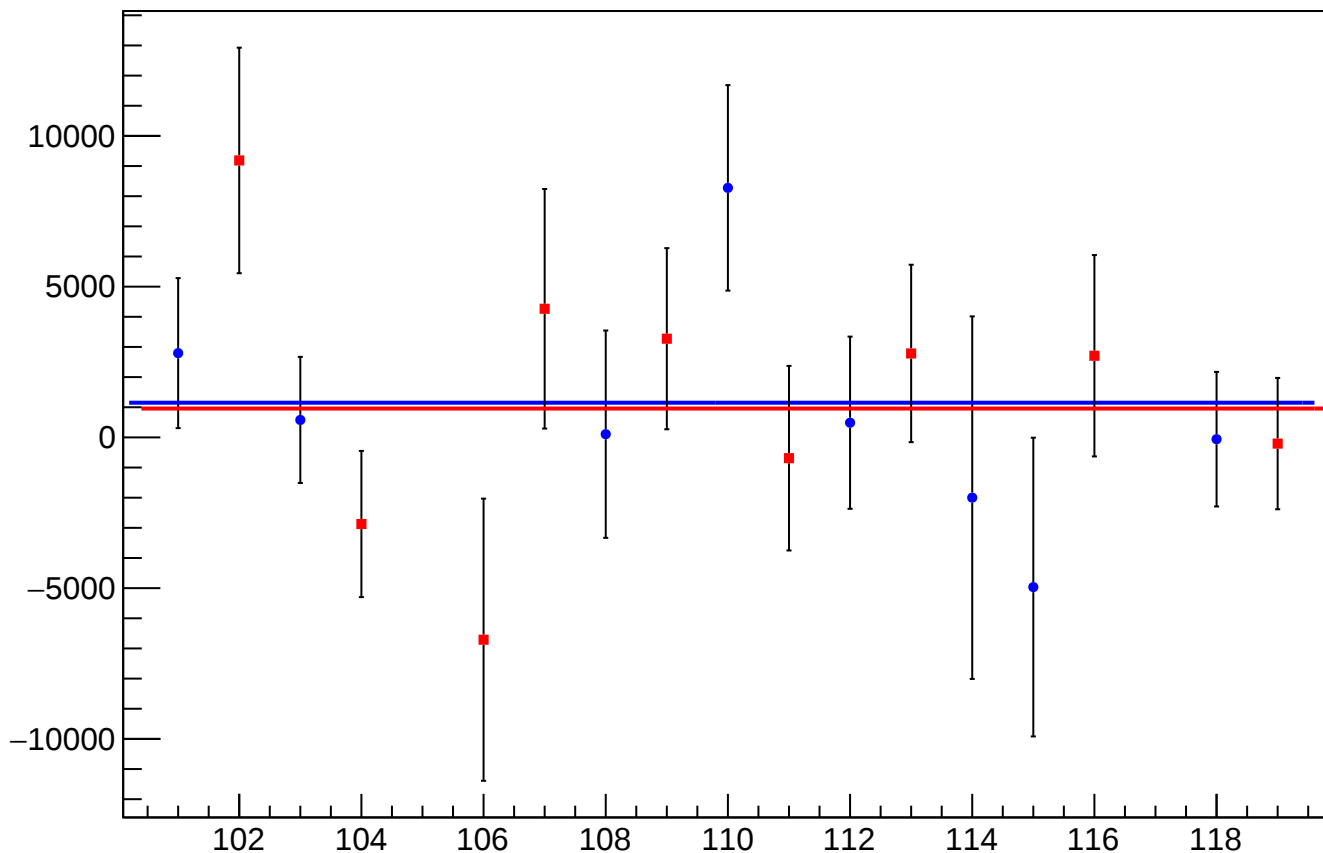
Right: 2249.113+/-0.627  $\chi^2/\text{NDF}$ : 414803.2/16

In: 2323.240+/-0.957  $\chi^2/\text{NDF}$ : 222435.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2249.113+/-0.627  $\chi^2/\text{NDF}$ : 414803.2/16

# dit\_asym\_atl\_avg\_mean vs Slug, Sign Corrected



Right In: 1150.544+/-1024.732  $\chi^2/\text{NDF}$ : 7.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 957.328+/-1008.084  $\chi^2/\text{NDF}$ : 12.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

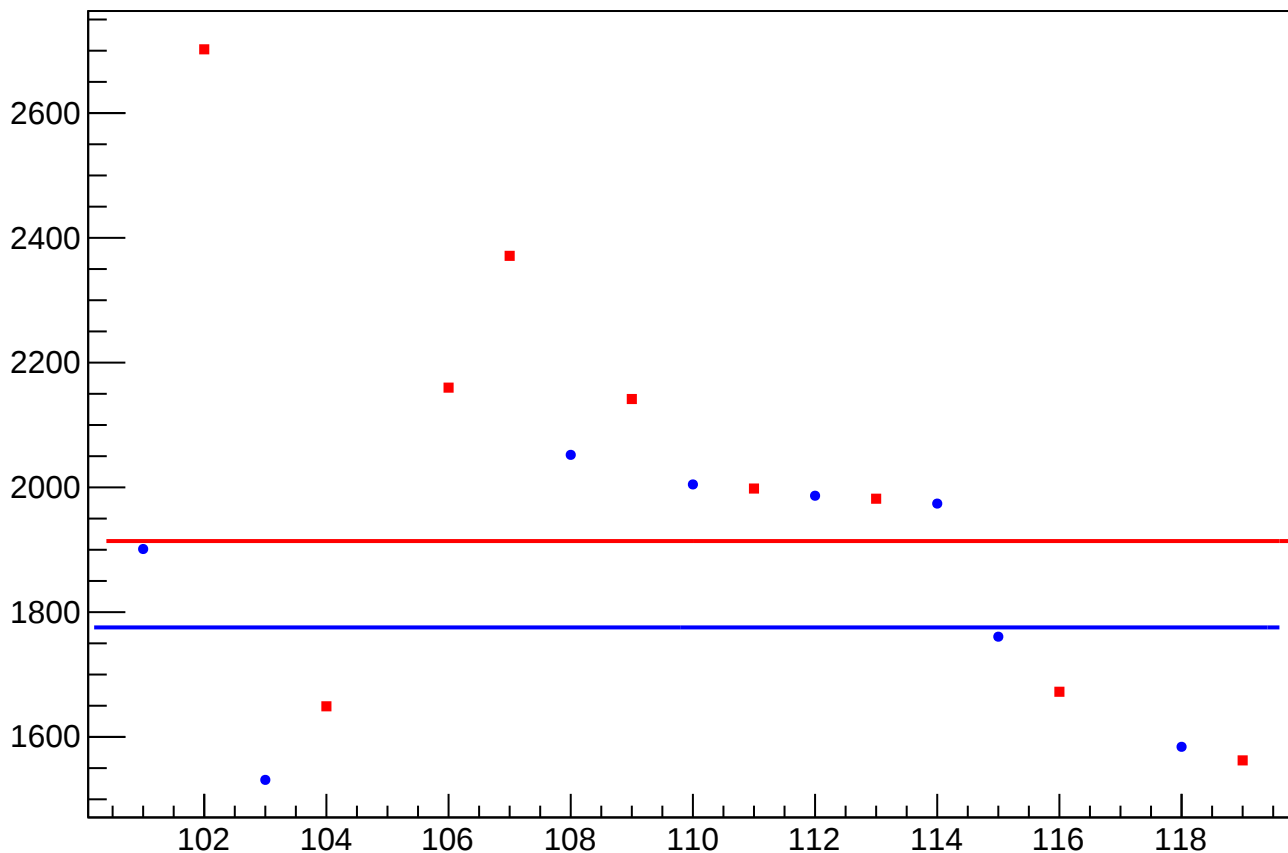
Right: 1052.354+/-718.637  $\chi^2/\text{NDF}$ : 19.7/16

In: 1150.544+/-1024.732  $\chi^2/\text{NDF}$ : 7.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1052.354+/-718.637  $\chi^2/\text{NDF}$ : 19.7/16

dit\_asym\_atl\_avg\_rms vs Slug, Sign Corrected



Right In: 1775.539+/-0.725  $\chi^2/\text{NDF}$ : 82198.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1913.969+/-0.710  $\chi^2/\text{NDF}$ : 222427.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

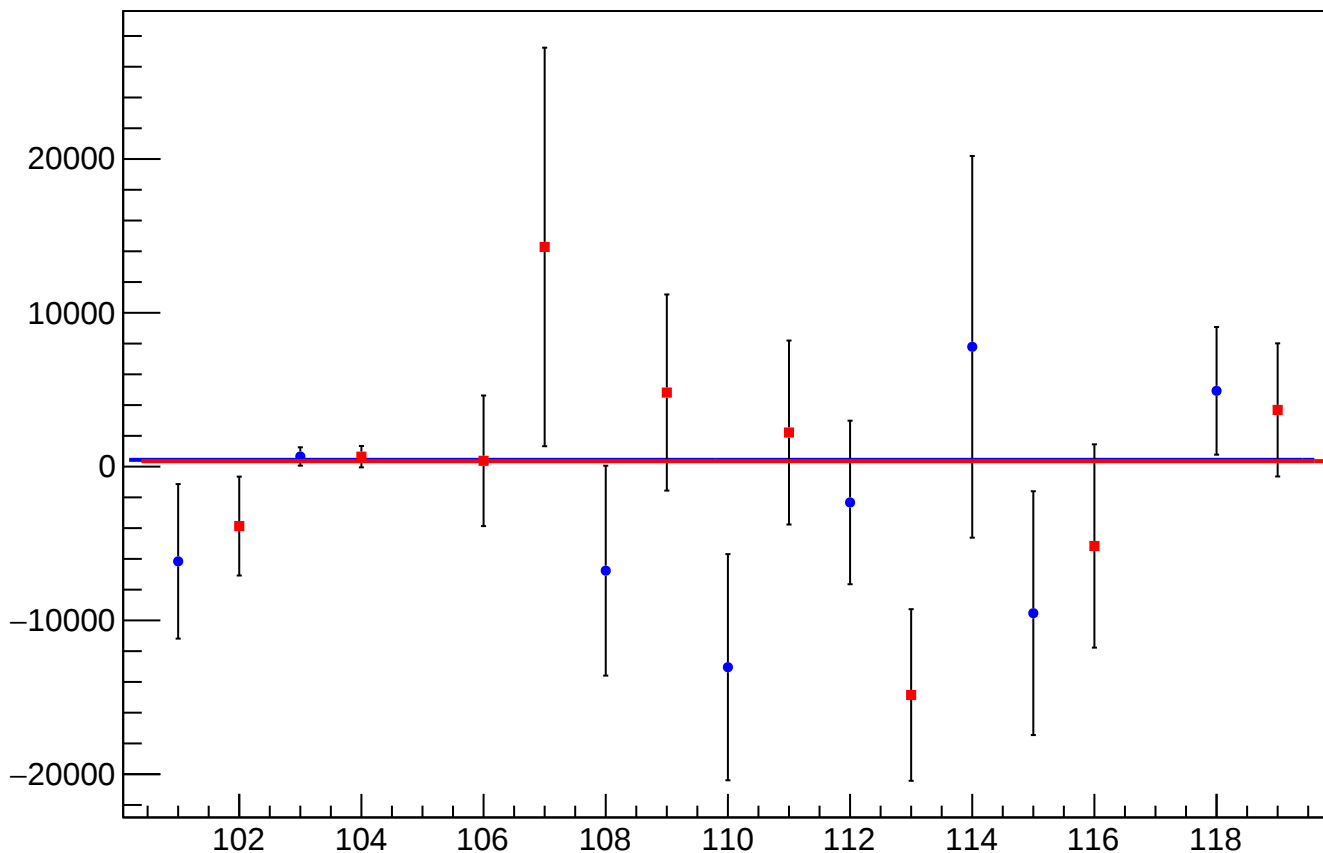
Right: 1846.206+/-0.507  $\chi^2/\text{NDF}$ : 323257.2/16

In: 1775.539+/-0.725  $\chi^2/\text{NDF}$ : 82198.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1846.206+/-0.507  $\chi^2/\text{NDF}$ : 323257.2/16

asym\_atl\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 441.058+/-576.731  $\chi^2/\text{NDF}$ : 9.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 356.913+/-646.289  $\chi^2/\text{NDF}$ : 12.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

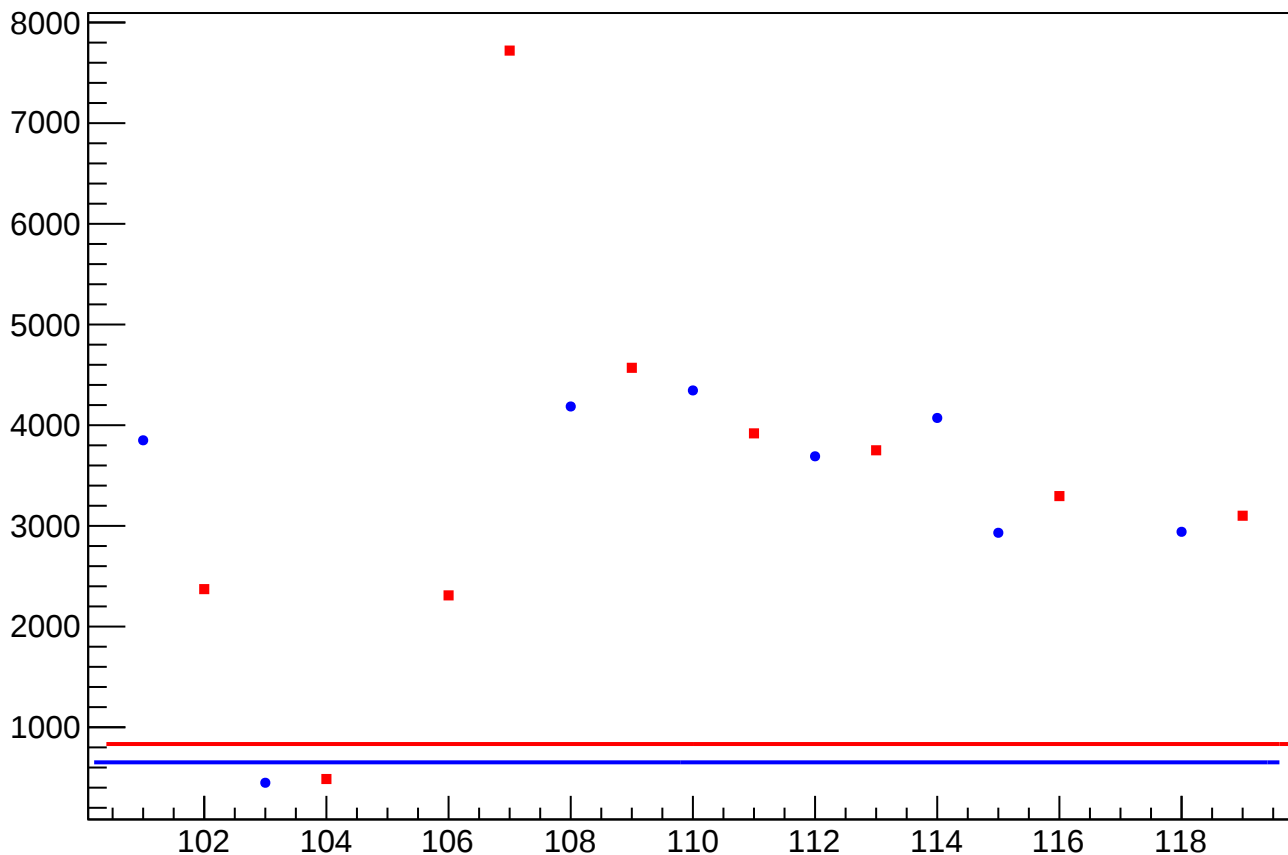
Right: 403.756+/-430.309  $\chi^2/\text{NDF}$ : 22.1/16

In: 441.058+/-576.731  $\chi^2/\text{NDF}$ : 9.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 403.756+/-430.309  $\chi^2/\text{NDF}$ : 22.1/16

asym\_atl\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 651.540+/-0.408  $\chi^2/\text{NDF}$ : 3663563.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 833.438+/-0.457  $\chi^2/\text{NDF}$ : 4358665.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

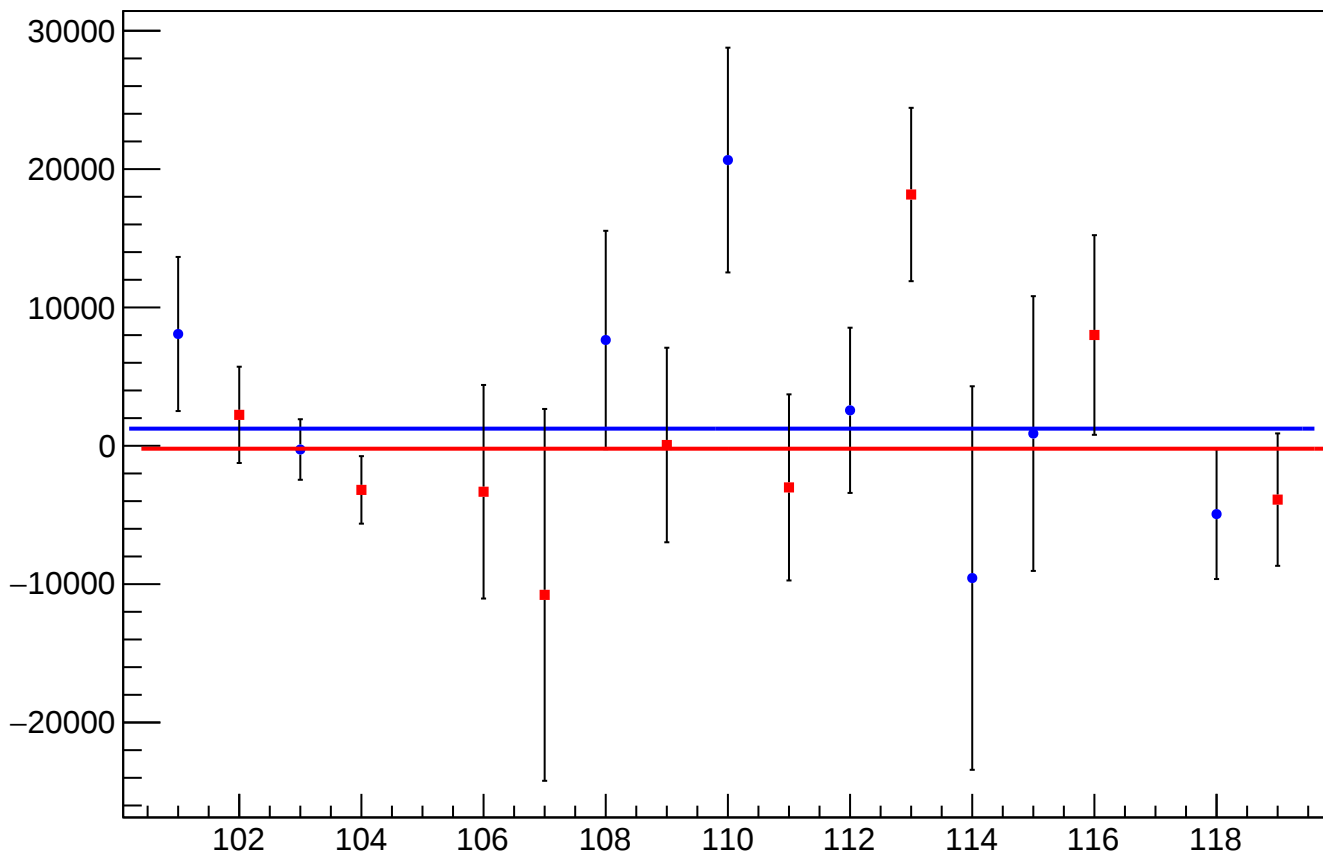
Right: 732.177+/-0.304  $\chi^2/\text{NDF}$ : 8110424.4/16

In: 651.540+/-0.408  $\chi^2/\text{NDF}$ : 3663563.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 732.177+/-0.304  $\chi^2/\text{NDF}$ : 8110424.4/16

# asym\_atl\_avg\_mean vs Slug, Sign Corrected



Right In: 1240.137+/-1664.414  $\chi^2/\text{NDF}$ : 10.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -209.757+/-1574.244  $\chi^2/\text{NDF}$ : 13.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

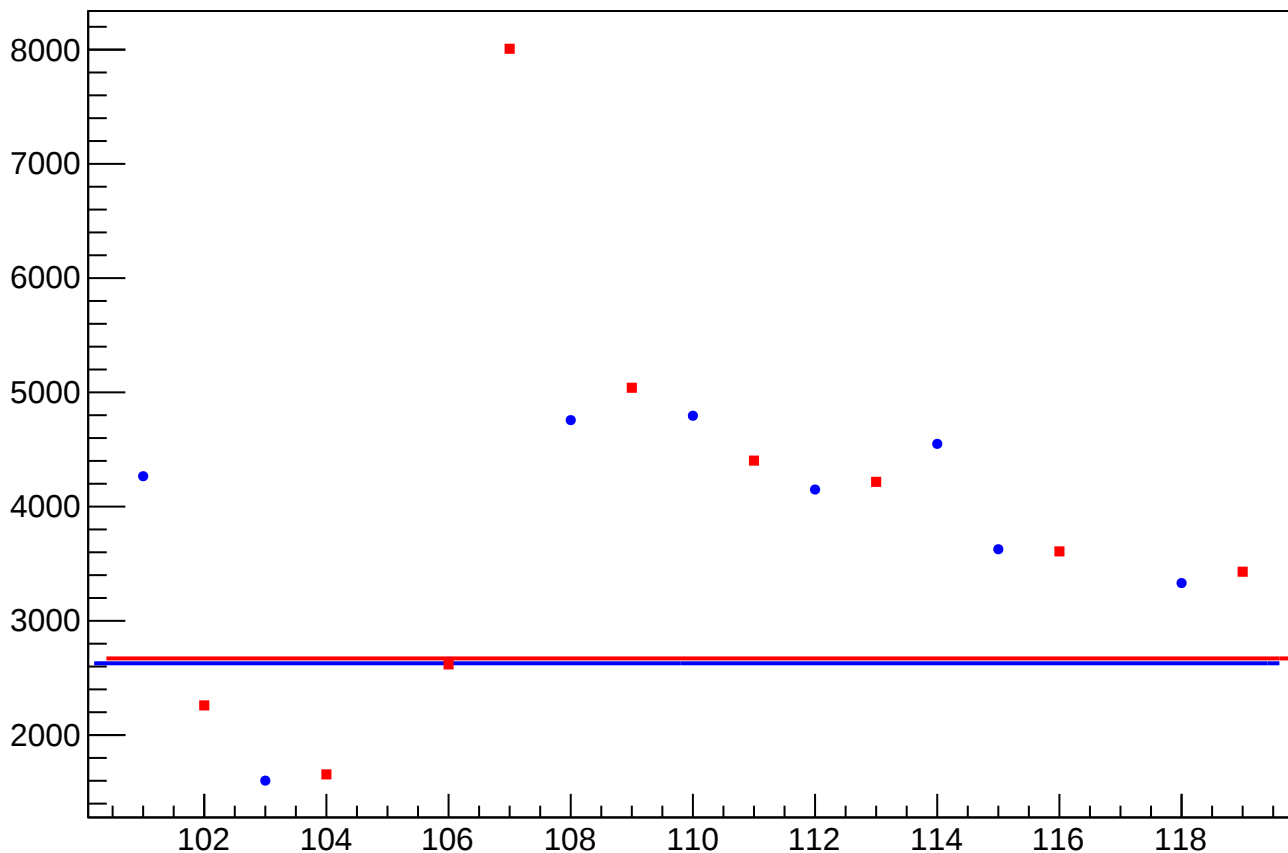
Right: 474.854+/-1143.708  $\chi^2/\text{NDF}$ : 24.6/16

In: 1240.137+/-1664.414  $\chi^2/\text{NDF}$ : 10.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 474.854+/-1143.708  $\chi^2/\text{NDF}$ : 24.6/16

# asym\_atl\_avg\_rms vs Slug, Sign Corrected



Right In: 2628.420+/-1.177  $\chi^2/\text{NDF}$ : 1134362.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2671.003+/-1.089  $\chi^2/\text{NDF}$ : 1255043.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

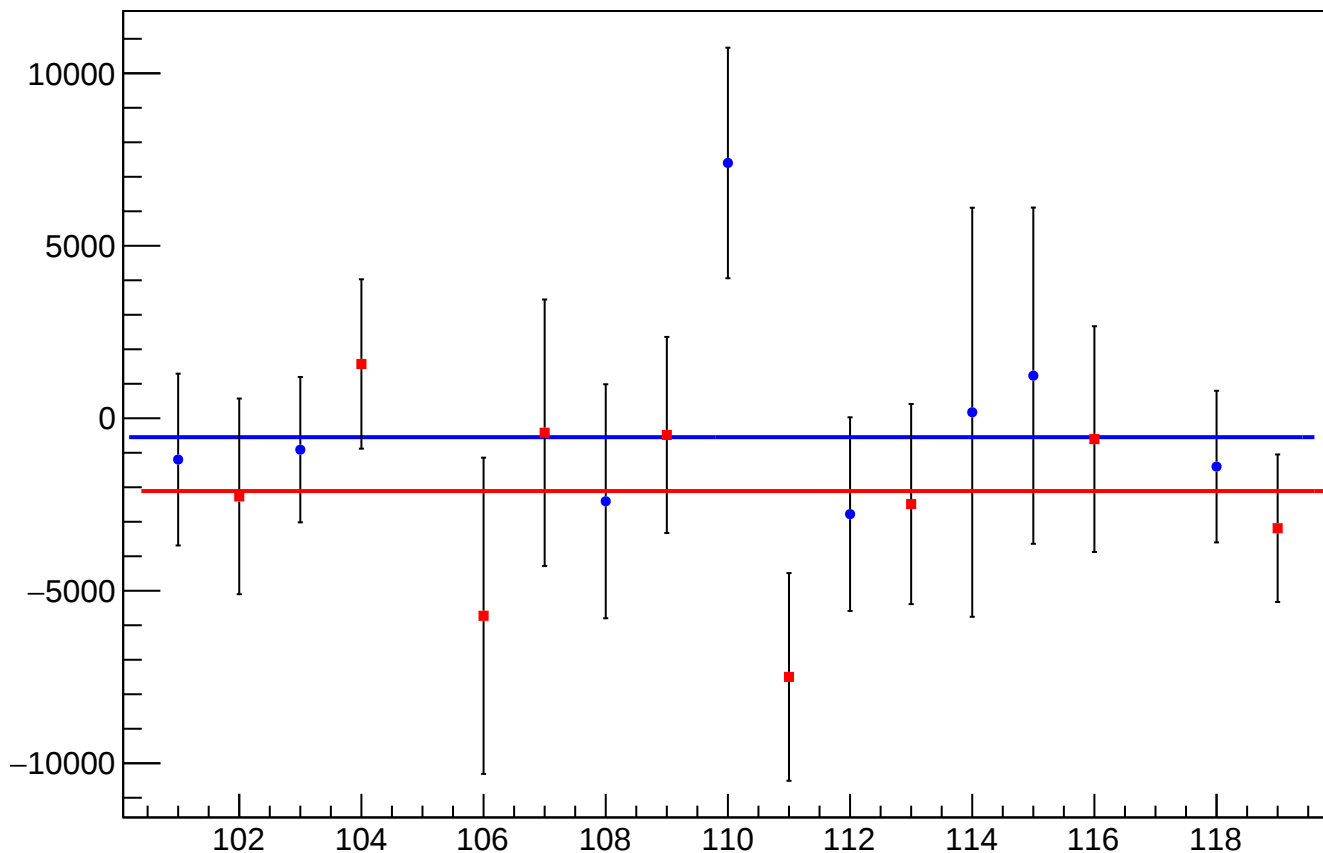
Right: 2651.356+/-0.799  $\chi^2/\text{NDF}$ : 2390111.0/16

In: 2628.420+/-1.177  $\chi^2/\text{NDF}$ : 1134362.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2651.356+/-0.799  $\chi^2/\text{NDF}$ : 2390111.0/16

# dit\_asym\_atl\_dd\_mean vs Slug, Sign Corrected



Right In: -547.893+/-1016.646  $\chi^2/\text{NDF}$ : 7.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2109.365+/-966.744  $\chi^2/\text{NDF}$ : 7.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

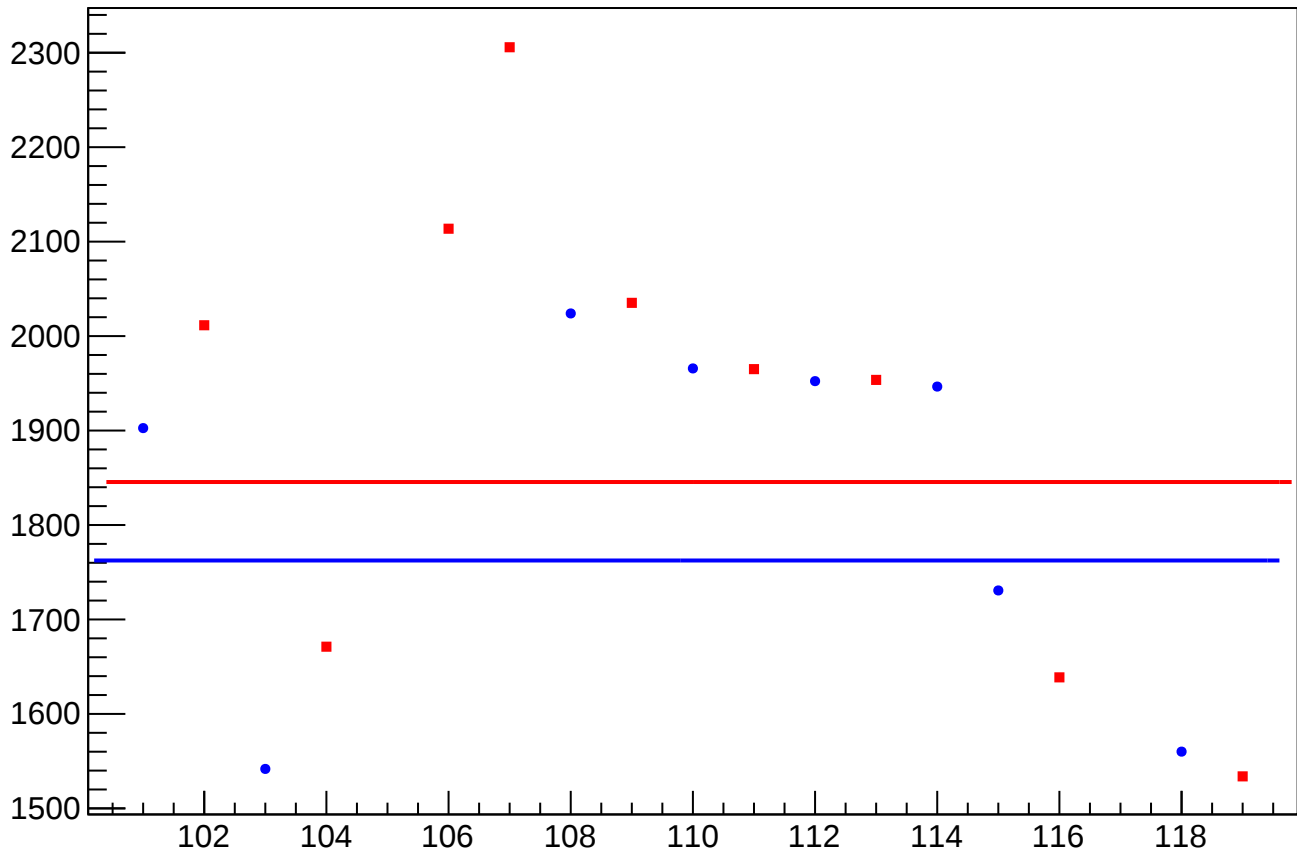
Right: -1367.890+/-700.569  $\chi^2/\text{NDF}$ : 15.3/16

In: -547.893+/-1016.646  $\chi^2/\text{NDF}$ : 7.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1367.890+/-700.569  $\chi^2/\text{NDF}$ : 15.3/16

# dit\_asym\_atl\_dd\_rms vs Slug, Sign Corrected



Right In: 1762.432+/-0.719  $\chi^2/\text{NDF}$ : 75687.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1845.517+/-0.681  $\chi^2/\text{NDF}$ : 118879.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

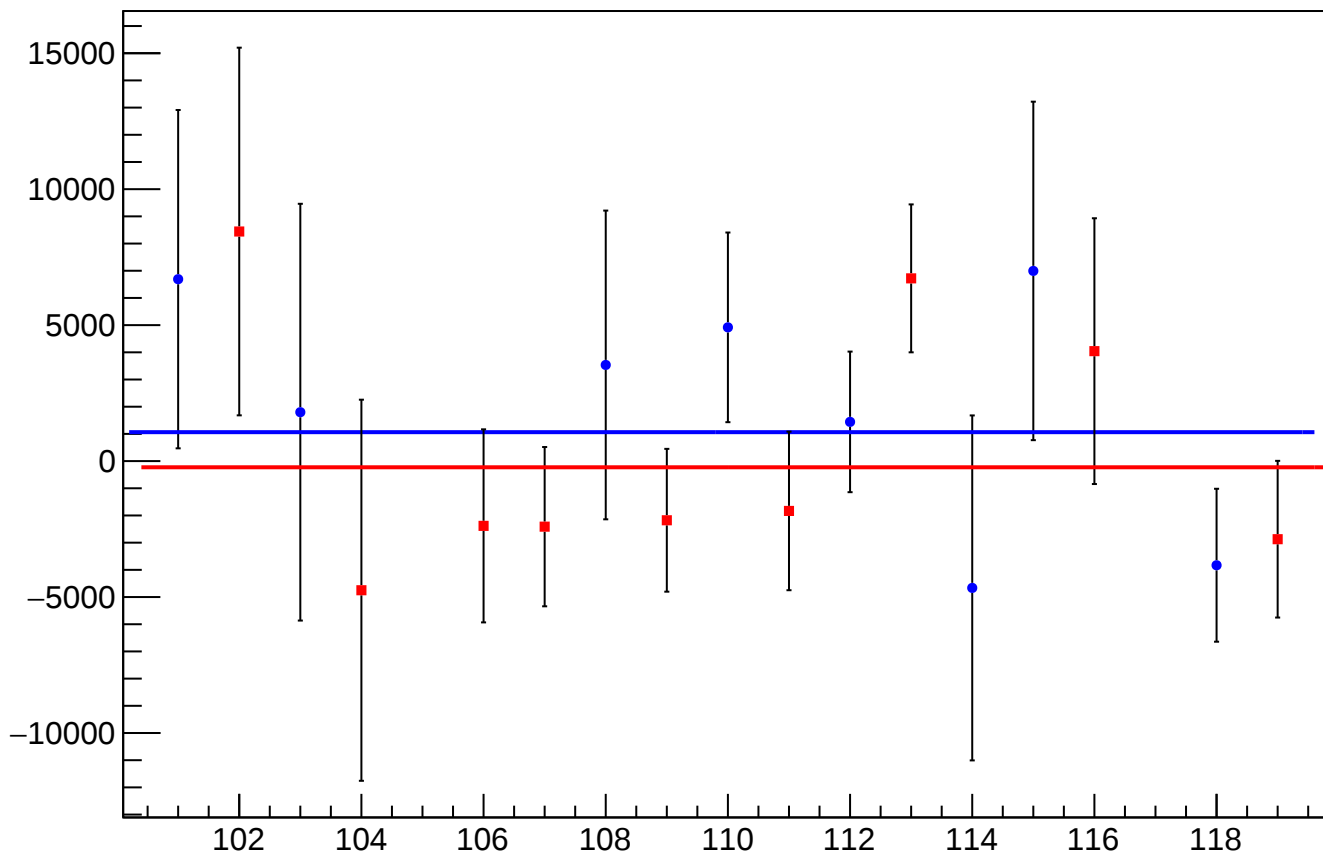
Right: 1806.251+/-0.494  $\chi^2/\text{NDF}$ : 201611.5/16

In: 1762.432+/-0.719  $\chi^2/\text{NDF}$ : 75687.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1806.251+/-0.494  $\chi^2/\text{NDF}$ : 201611.5/16

# asym\_atl\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 1063.528+/-1439.096  $\chi^2/\text{NDF}$ : 7.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -227.728+/-1119.225  $\chi^2/\text{NDF}$ : 12.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

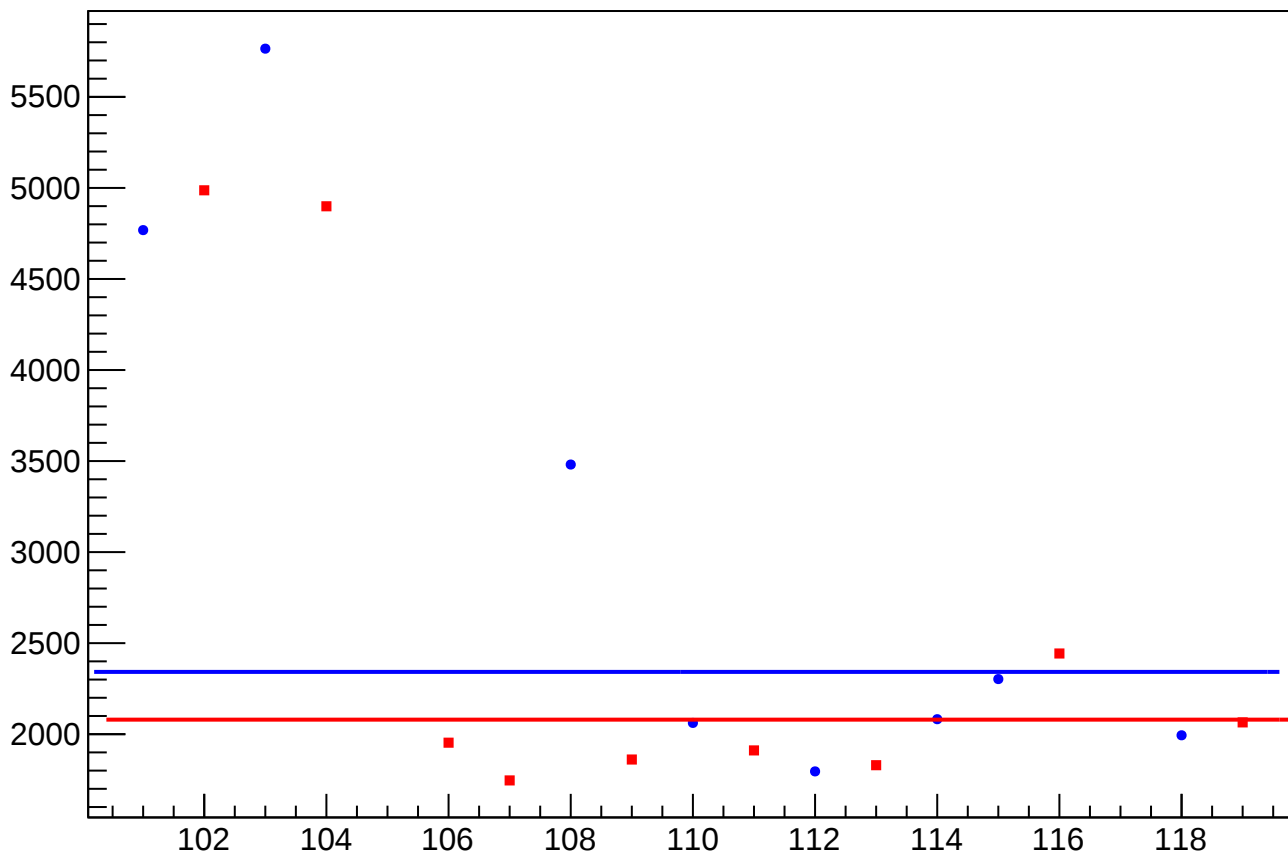
Right: 258.937+/-883.484  $\chi^2/\text{NDF}$ : 19.5/16

In: 1063.528+/-1439.096  $\chi^2/\text{NDF}$ : 7.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 258.937+/-883.484  $\chi^2/\text{NDF}$ : 19.5/16

# asym\_atl\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2342.124+/-1.018  $\chi^2/\text{NDF}$ : 919953.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2079.894+/-0.791  $\chi^2/\text{NDF}$ : 770655.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

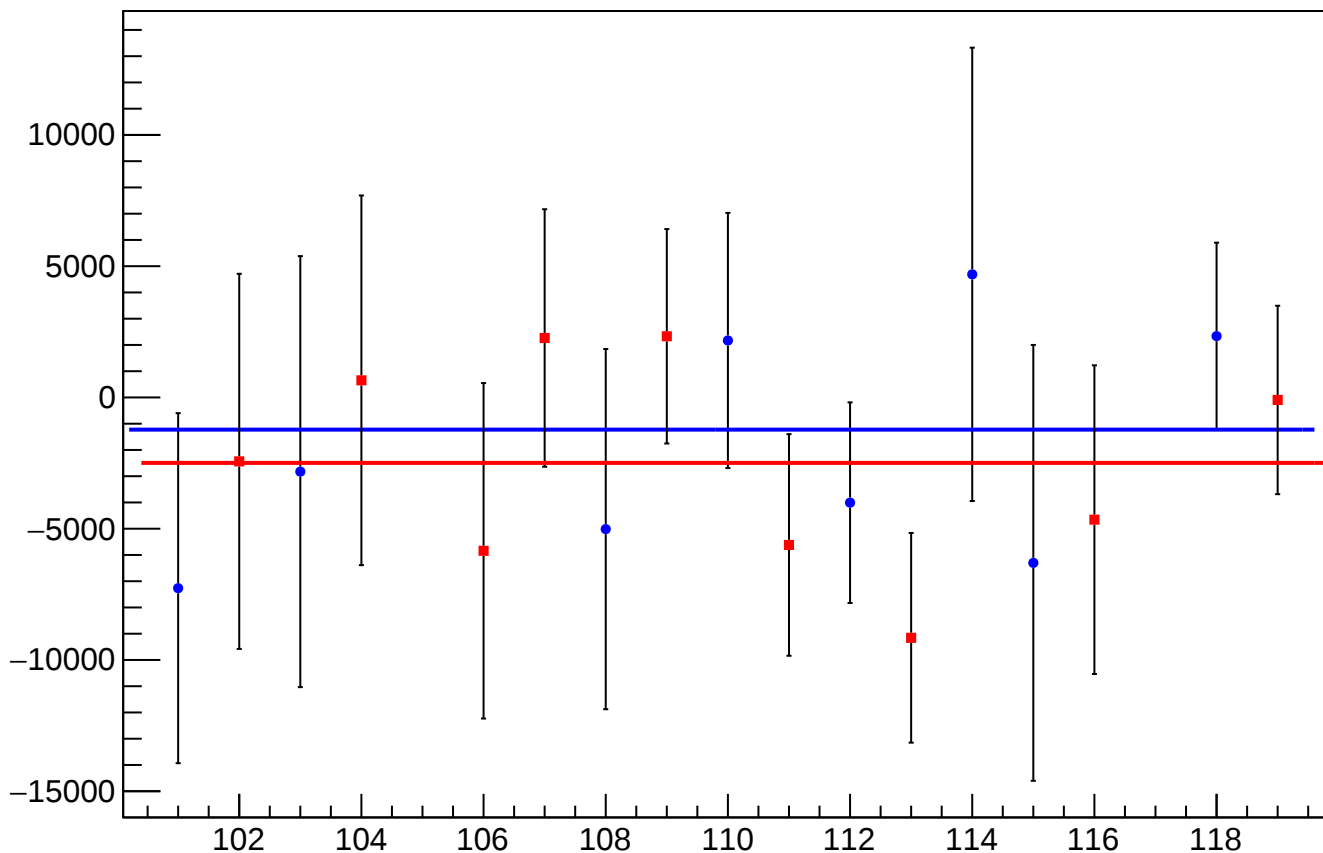
Right: 2178.727+/-0.625  $\chi^2/\text{NDF}$ : 1731987.6/16

In: 2342.124+/-1.018  $\chi^2/\text{NDF}$ : 919953.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2178.727+/-0.625  $\chi^2/\text{NDF}$ : 1731987.6/16

# asym\_atl\_dd\_mean vs Slug, Sign Corrected



Right In: -1225.866+/-1902.608  $\chi^2/\text{NDF}$ : 4.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2492.973+/-1598.899  $\chi^2/\text{NDF}$ : 6.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

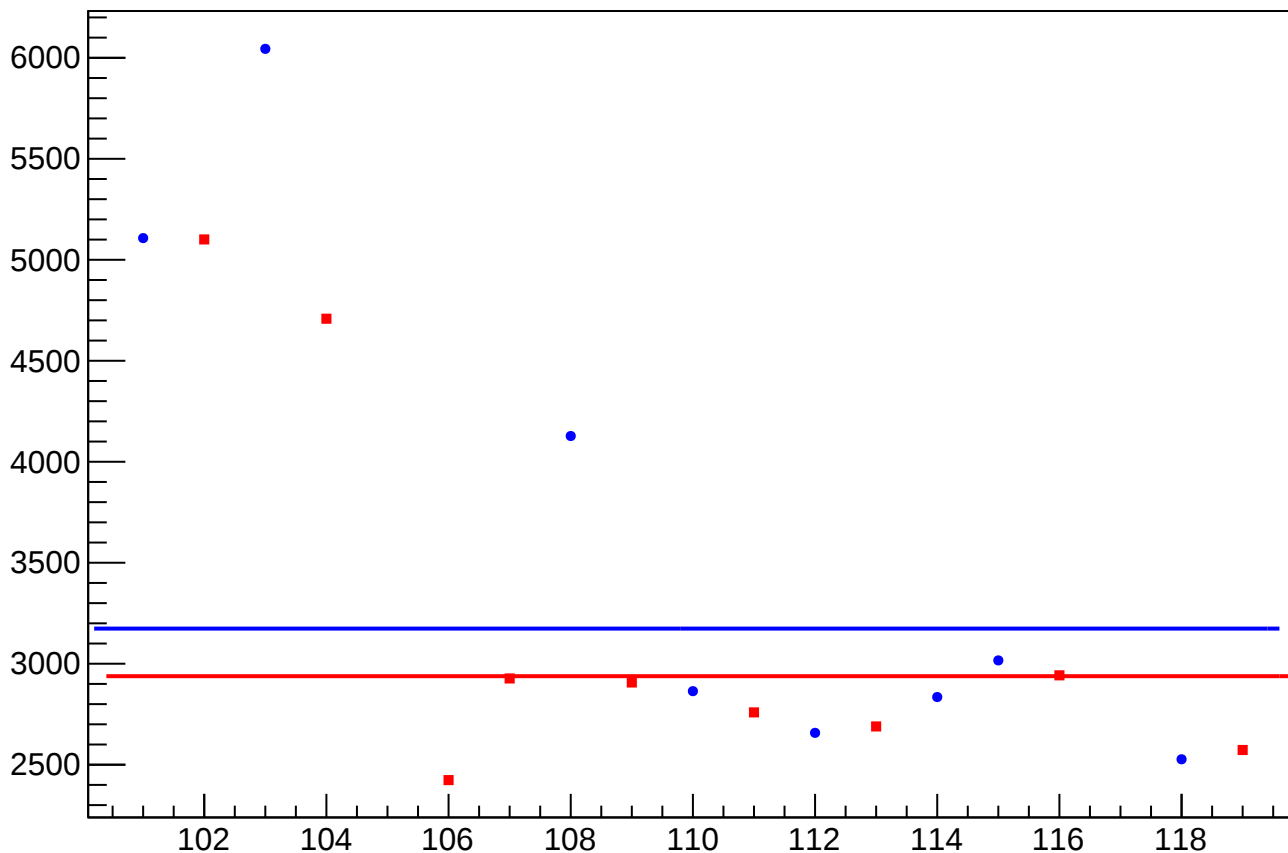
Right: -1968.503+/-1224.060  $\chi^2/\text{NDF}$ : 11.0/16

In: -1225.866+/-1902.608  $\chi^2/\text{NDF}$ : 4.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1968.503+/-1224.060  $\chi^2/\text{NDF}$ : 11.0/16

# asym\_atl\_dd\_rms vs Slug, Sign Corrected



Right In: 3173.959+/-1.345  $\chi^2/\text{NDF}$ : 565953.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2938.325+/-1.106  $\chi^2/\text{NDF}$ : 364292.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

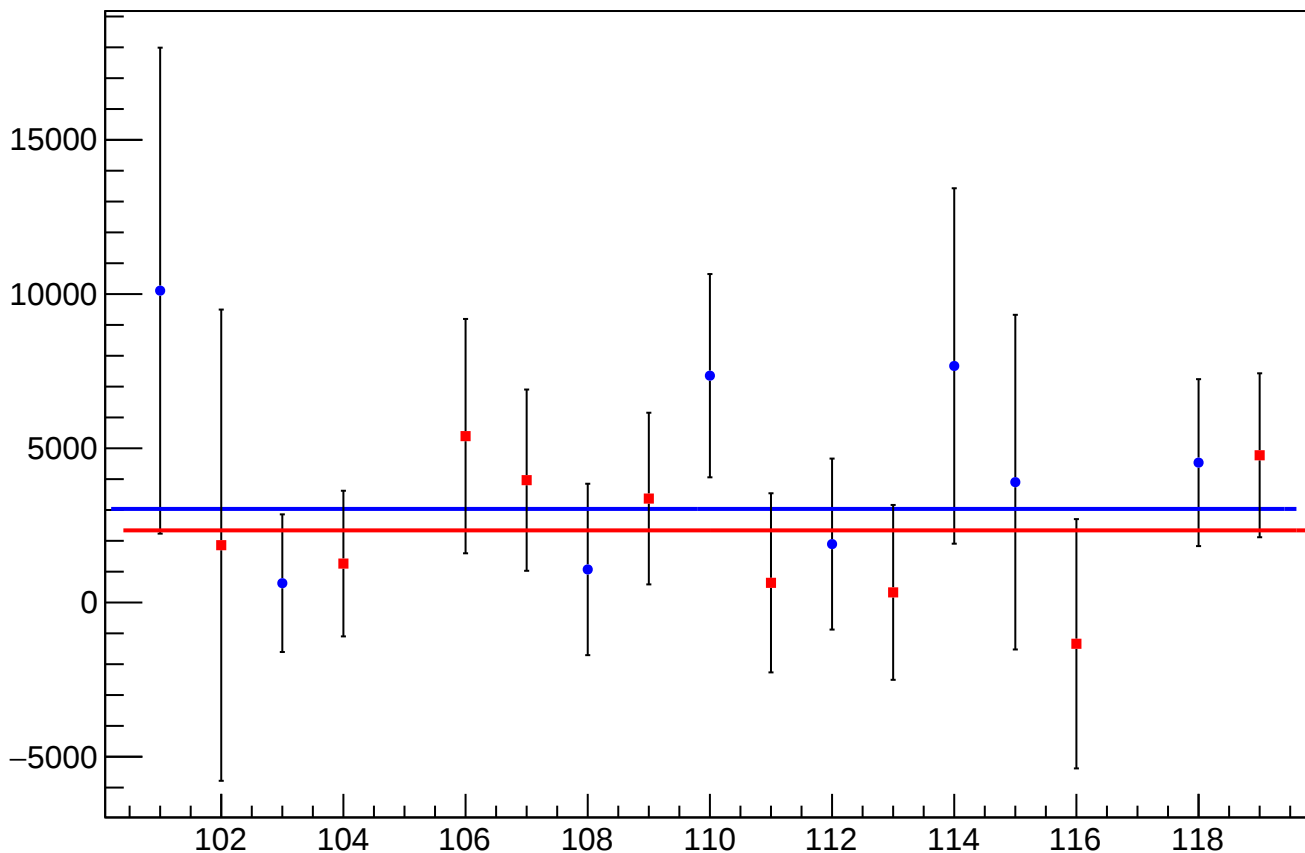
Right: 3033.312+/-0.854  $\chi^2/\text{NDF}$ : 948557.0/16

In: 3173.959+/-1.345  $\chi^2/\text{NDF}$ : 565953.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3033.312+/-0.854  $\chi^2/\text{NDF}$ : 948557.0/16

# dit\_asym\_atr\_avg\_mean vs Slug, Sign Corrected



Right In: 3034.324+/-1140.096  $\chi^2/\text{NDF}$ : 5.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2338.752+/-1022.442  $\chi^2/\text{NDF}$ : 3.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

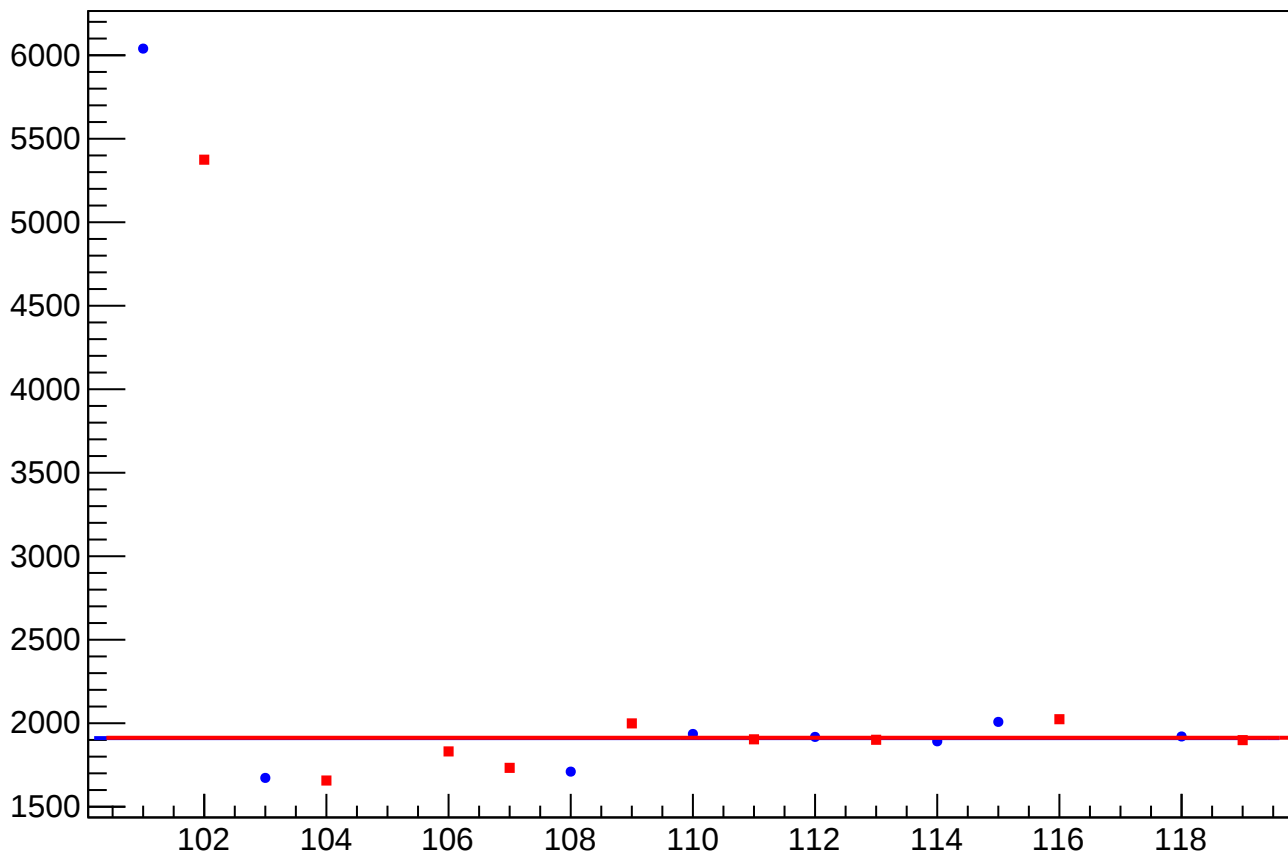
Right: 2648.807+/-761.184  $\chi^2/\text{NDF}$ : 9.4/16

In: 3034.324+/-1140.096  $\chi^2/\text{NDF}$ : 5.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2648.807+/-761.184  $\chi^2/\text{NDF}$ : 9.4/16

# dit\_asym\_atr\_avg\_rms vs Slug, Sign Corrected



Right In: 1910.921+/-0.806  $\chi^2/\text{NDF}$ : 583441.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1913.043+/-0.722  $\chi^2/\text{NDF}$ : 446382.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

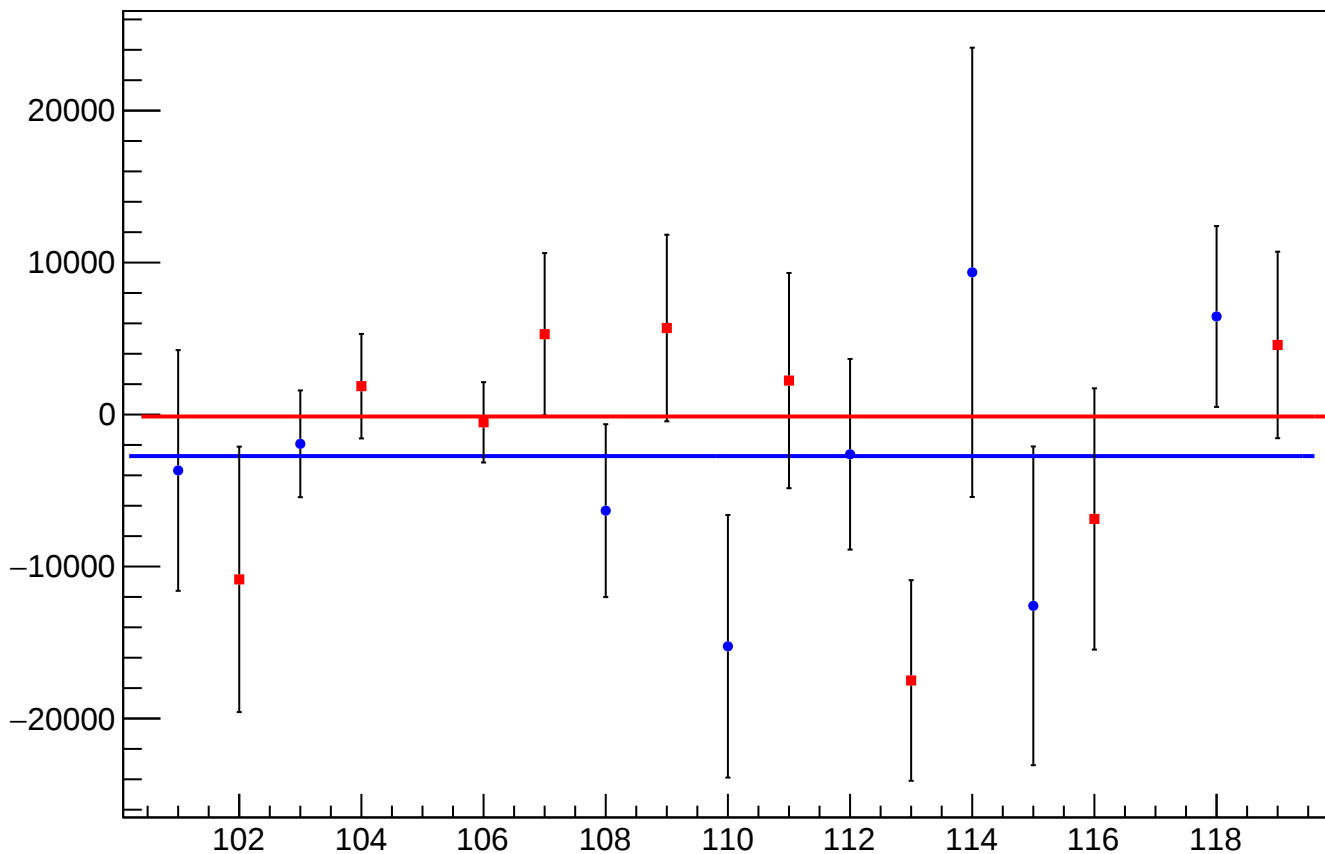
Right: 1912.098+/-0.538  $\chi^2/\text{NDF}$ : 1029827.2/16

In: 1910.921+/-0.806  $\chi^2/\text{NDF}$ : 583441.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1912.098+/-0.538  $\chi^2/\text{NDF}$ : 1029827.2/16

asym\_atr\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -2733.614+/-2189.237  $\chi^2/\text{NDF}$ : 6.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -128.083+/-1610.783  $\chi^2/\text{NDF}$ : 12.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

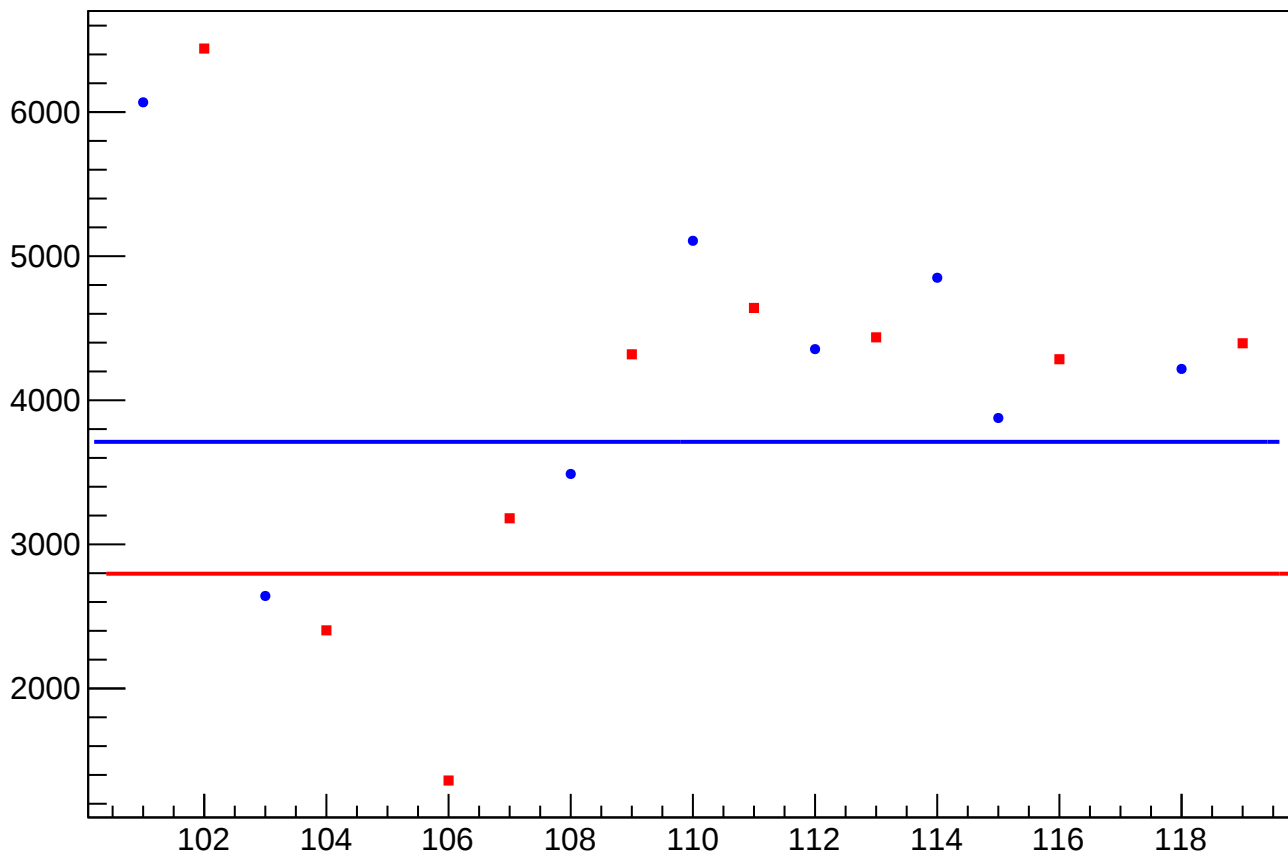
Right: -1043.207+/-1297.432  $\chi^2/\text{NDF}$ : 19.5/16

In: -2733.614+/-2189.237  $\chi^2/\text{NDF}$ : 6.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1043.207+/-1297.432  $\chi^2/\text{NDF}$ : 19.5/16

asym\_atr\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 3711.617+/-1.548  $\chi^2/\text{NDF}$ : 465551.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2796.467+/-1.139  $\chi^2/\text{NDF}$ : 1552539.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

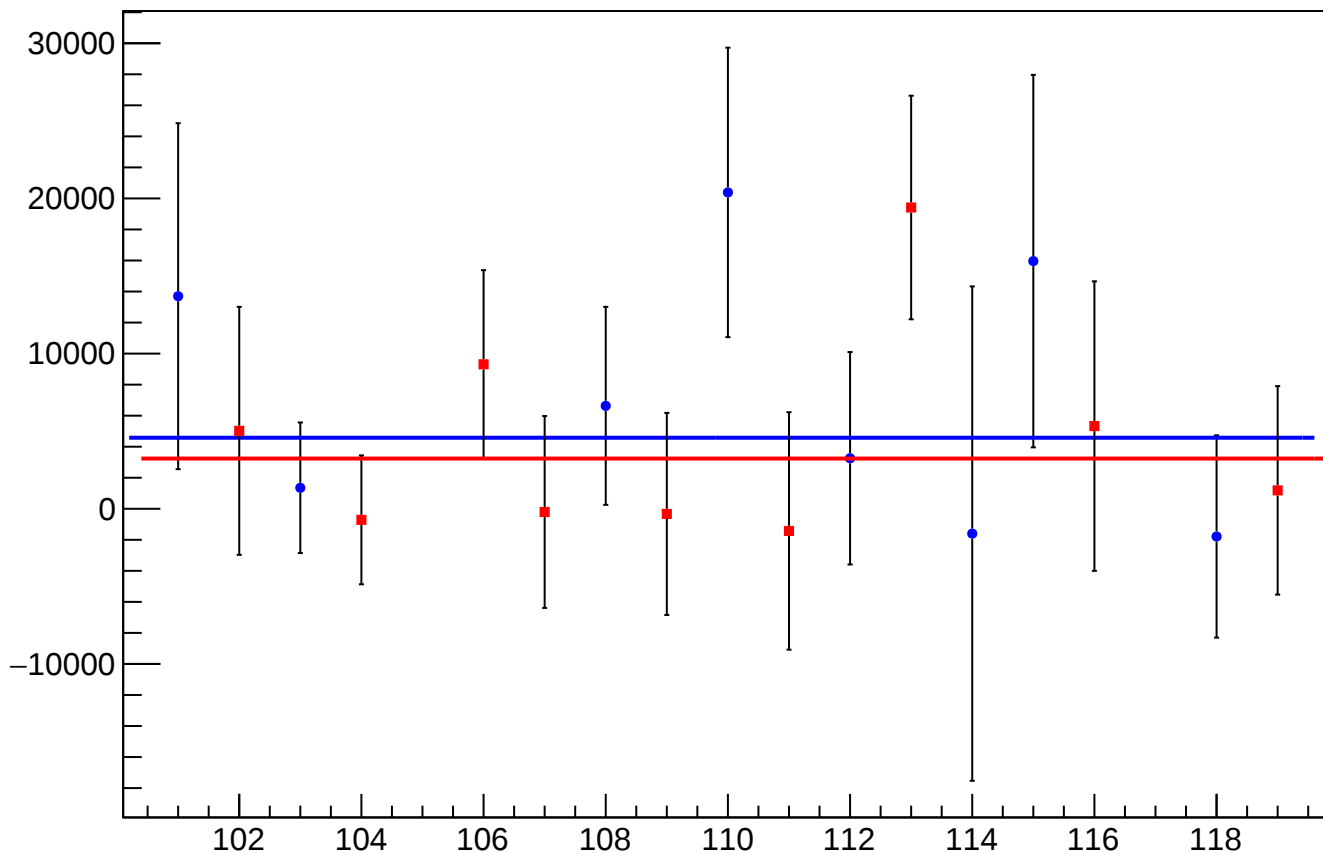
Right: 3117.889+/-0.917  $\chi^2/\text{NDF}$ : 2244829.6/16

In: 3711.617+/-1.548  $\chi^2/\text{NDF}$ : 465551.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3117.889+/-0.917  $\chi^2/\text{NDF}$ : 2244829.6/16

# asym\_atr\_avg\_mean vs Slug, Sign Corrected



Right In: 4578.734+/-2529.195  $\chi^2/\text{NDF}$ : 6.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3236.854+/-2129.182  $\chi^2/\text{NDF}$ : 8.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

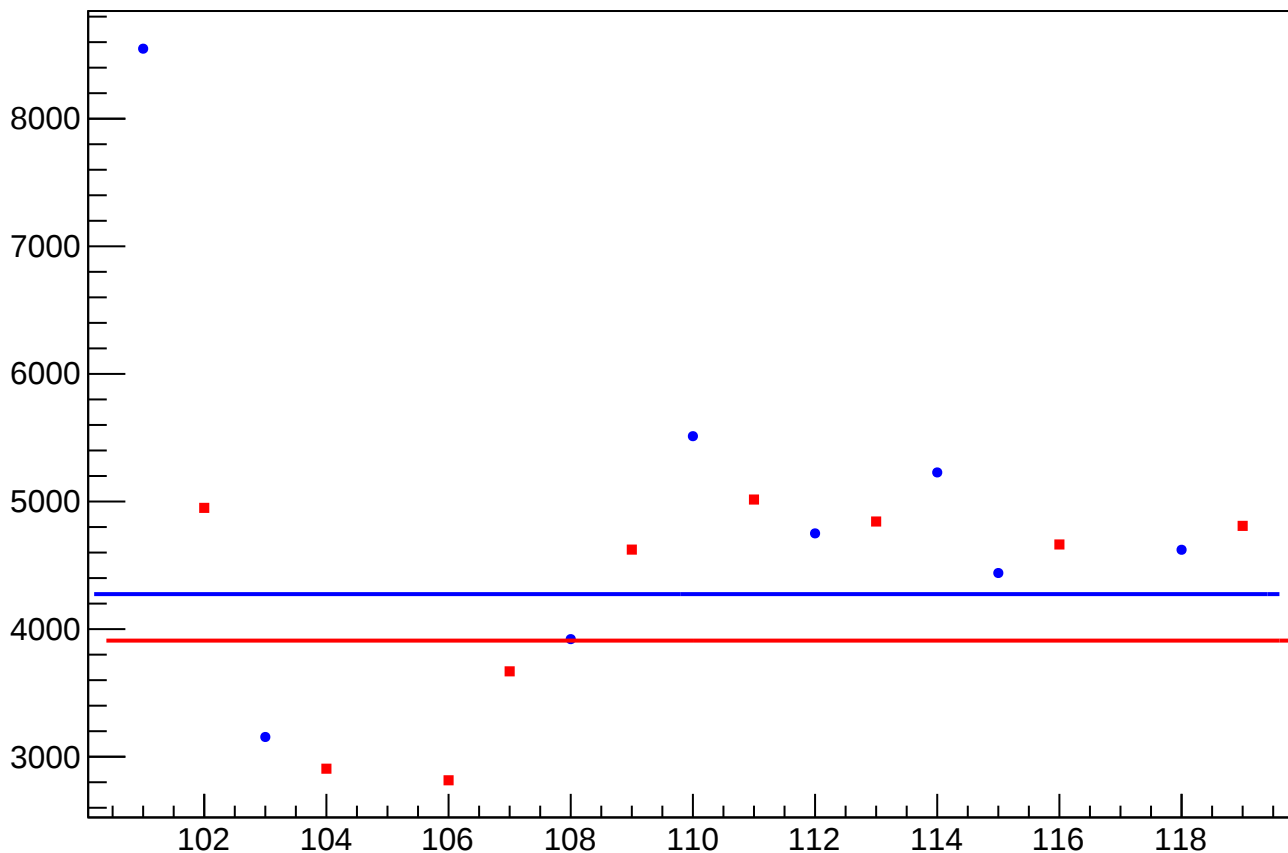
Right: 3793.411+/-1628.847  $\chi^2/\text{NDF}$ : 14.6/16

In: 4578.734+/-2529.195  $\chi^2/\text{NDF}$ : 6.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3793.411+/-1628.847  $\chi^2/\text{NDF}$ : 14.6/16

# asym\_atr\_avg\_rms vs Slug, Sign Corrected



Right In: 4274.333+/-1.788  $\chi^2/\text{NDF}$ : 499843.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3910.025+/-1.492  $\chi^2/\text{NDF}$ : 376491.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

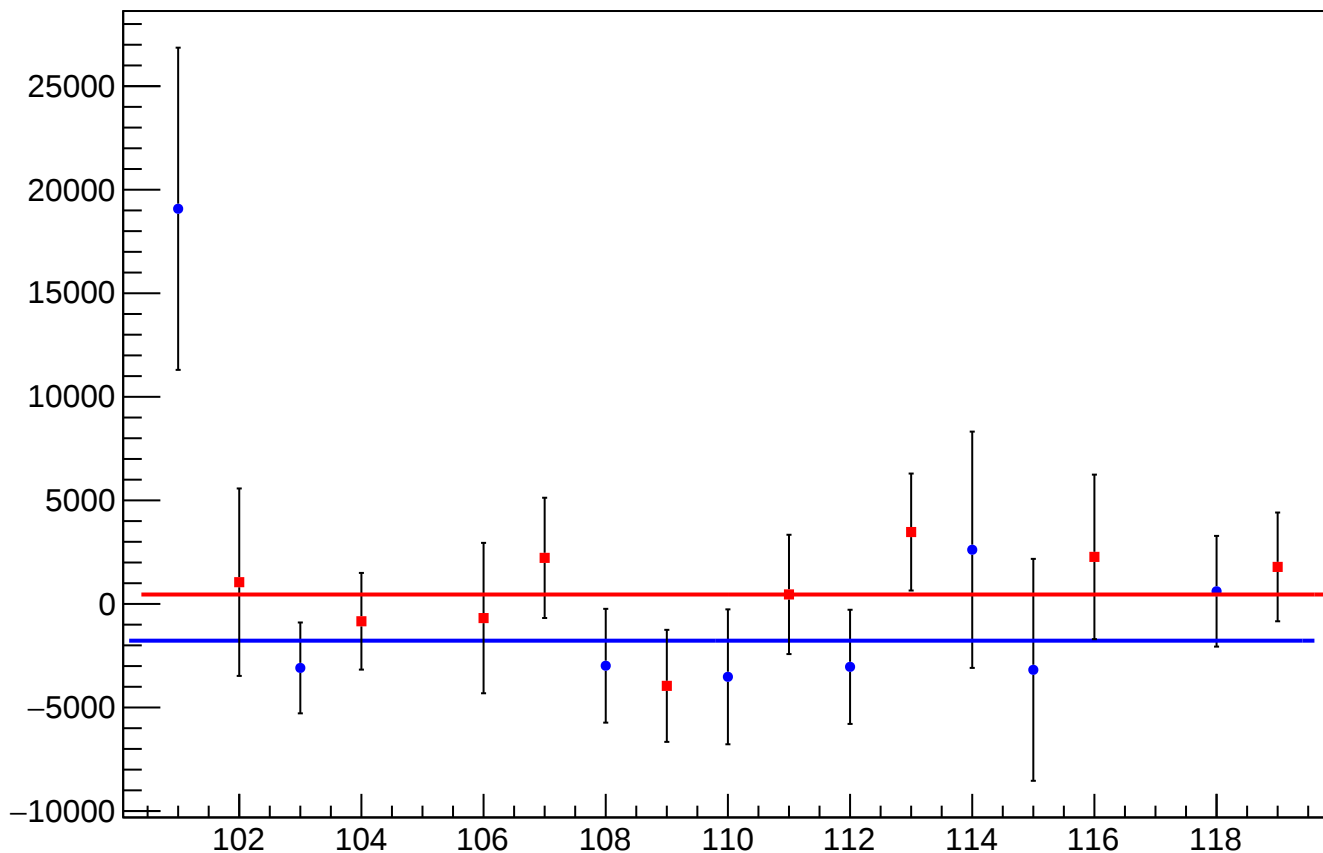
Right: 4059.572+/-1.146  $\chi^2/\text{NDF}$ : 900797.2/16

In: 4274.333+/-1.788  $\chi^2/\text{NDF}$ : 499843.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4059.572+/-1.146  $\chi^2/\text{NDF}$ : 900797.2/16

# dit\_asym\_atr\_dd\_mean vs Slug, Sign Corrected



Right In: -1773.965+/-1126.318  $\chi^2/\text{NDF}$ : 9.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 455.116+/-991.140  $\chi^2/\text{NDF}$ : 5.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

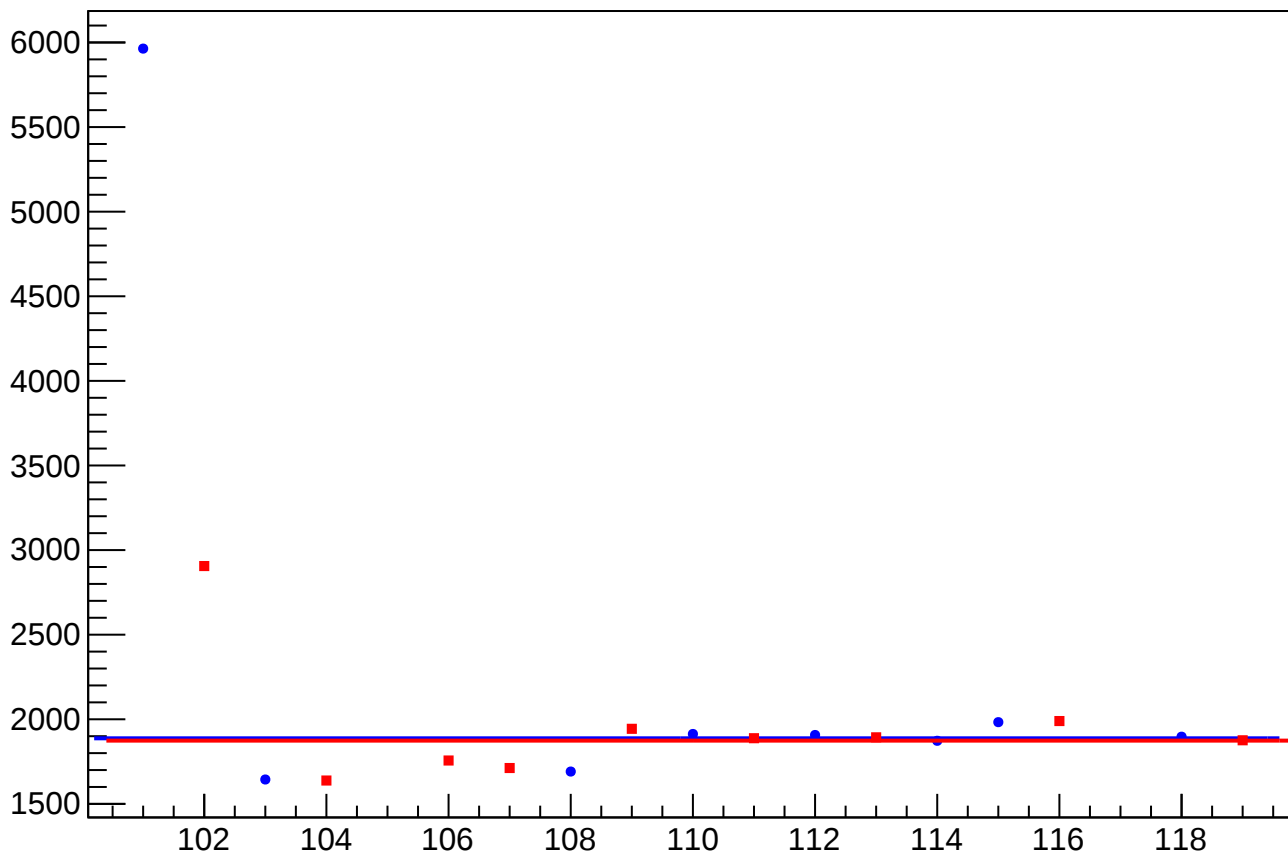
Right: -517.698+/-744.069  $\chi^2/\text{NDF}$ : 17.0/16

In: -1773.965+/-1126.318  $\chi^2/\text{NDF}$ : 9.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -517.698+/-744.069  $\chi^2/\text{NDF}$ : 17.0/16

# dit\_asym\_atr\_dd\_rms vs Slug, Sign Corrected



Right In: 1887.530+/-0.796  $\chi^2/\text{NDF}$ : 584961.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1873.909+/-0.700  $\chi^2/\text{NDF}$ : 135951.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

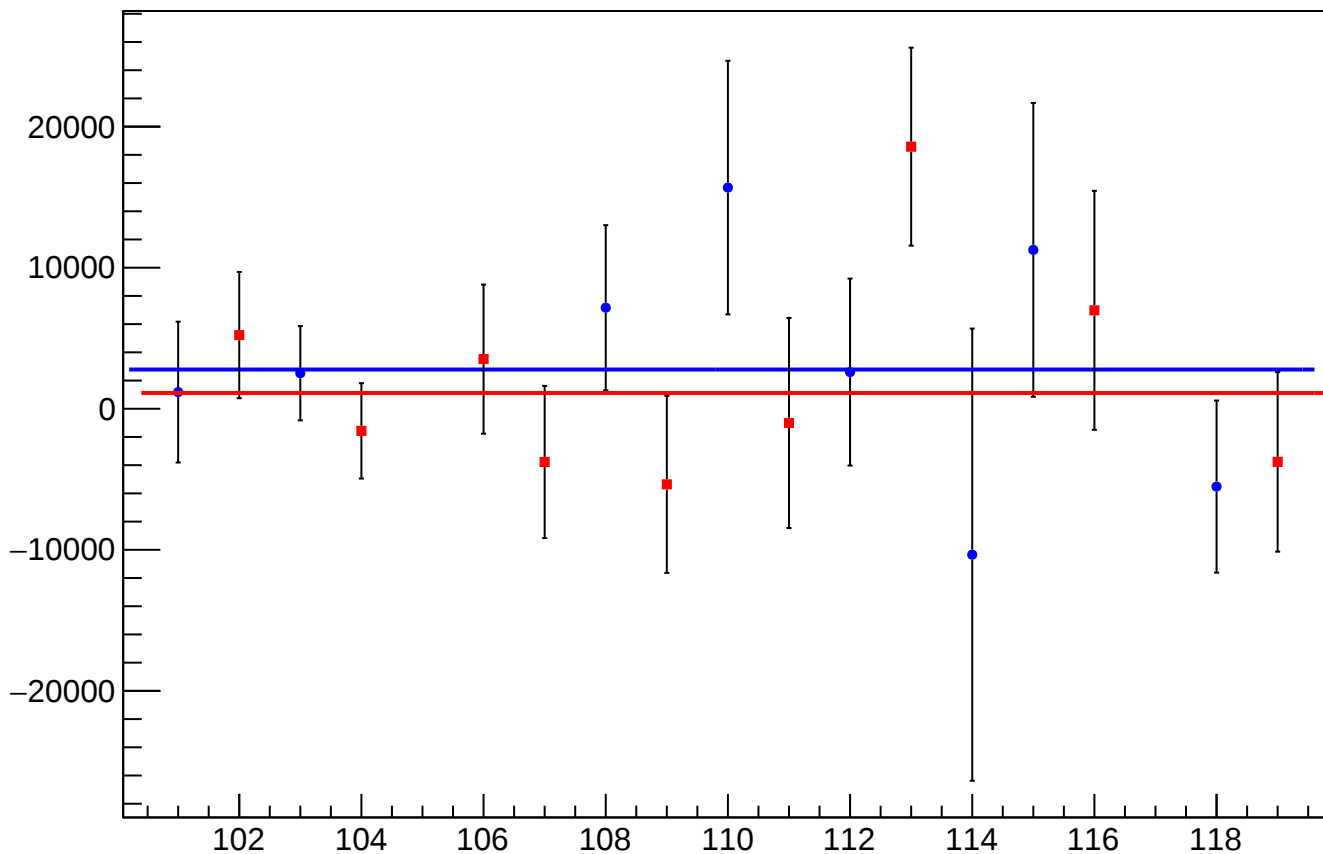
Right: 1879.844+/-0.526  $\chi^2/\text{NDF}$ : 721078.0/16

In: 1887.530+/-0.796  $\chi^2/\text{NDF}$ : 584961.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1879.844+/-0.526  $\chi^2/\text{NDF}$ : 721078.0/16

# asym\_atr\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 2780.901+/-2068.017  $\chi^2/\text{NDF}$ : 5.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1120.619+/-1796.435  $\chi^2/\text{NDF}$ : 10.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

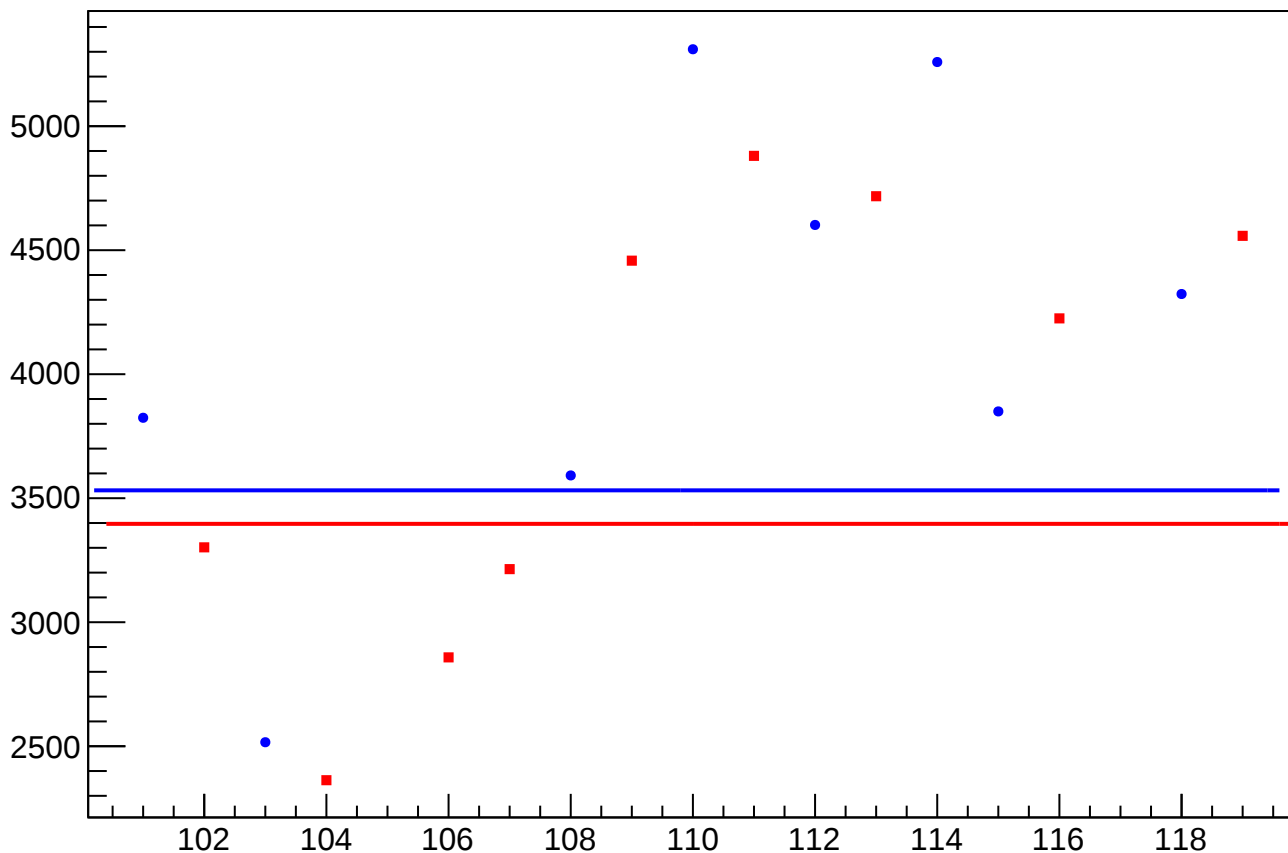
Right: 1834.654+/-1356.197  $\chi^2/\text{NDF}$ : 17.2/16

In: 2780.901+/-2068.017  $\chi^2/\text{NDF}$ : 5.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1834.654+/-1356.197  $\chi^2/\text{NDF}$ : 17.2/16

# asym\_atr\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 3531.734+/-1.462  $\chi^2/\text{NDF}$ : 380678.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3396.604+/-1.270  $\chi^2/\text{NDF}$ : 503945.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

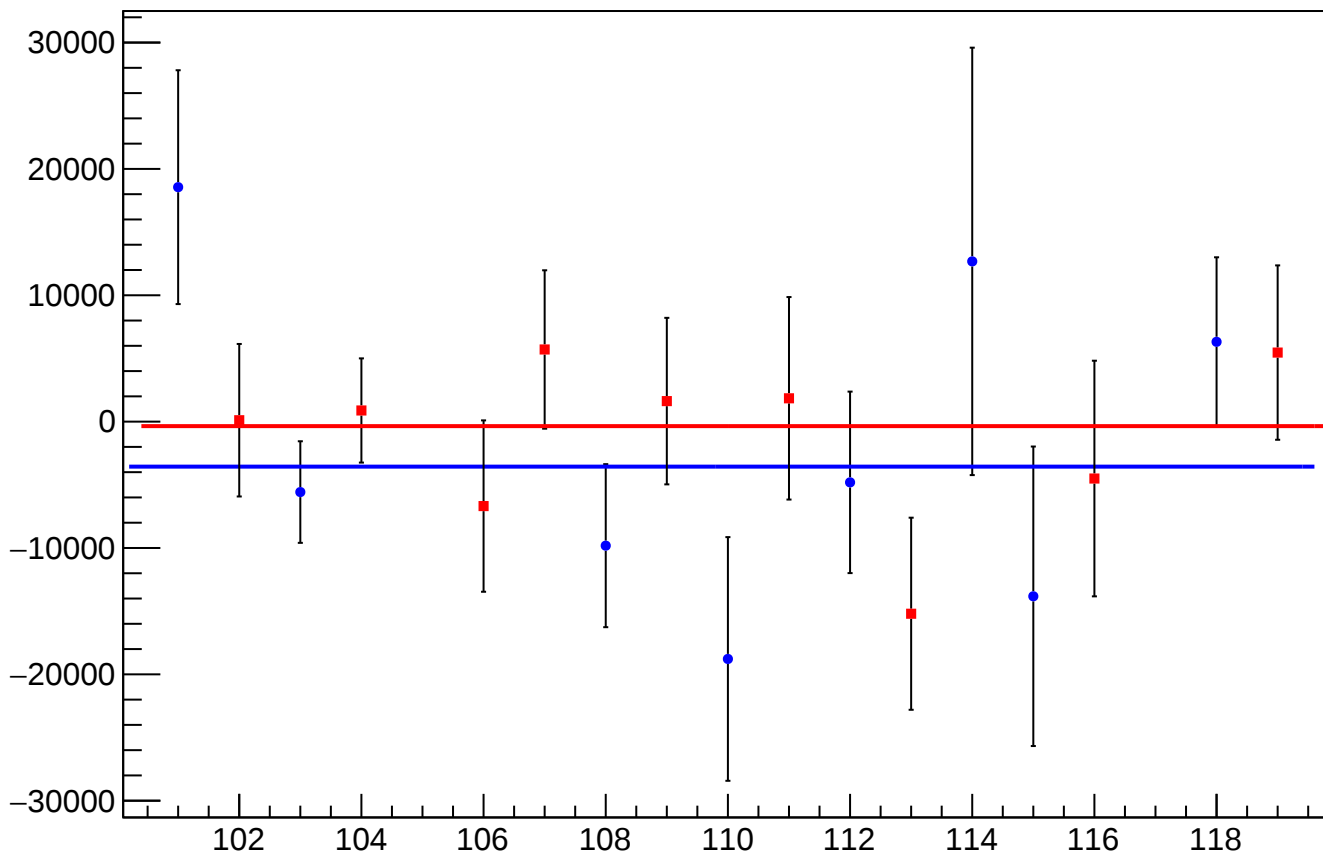
Right: 3454.719+/-0.959  $\chi^2/\text{NDF}$ : 889491.1/16

In: 3531.734+/-1.462  $\chi^2/\text{NDF}$ : 380678.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3454.719+/-0.959  $\chi^2/\text{NDF}$ : 889491.1/16

# asym\_atr\_dd\_mean vs Slug, Sign Corrected



Right In: -3561.221+/-2494.615  $\chi^2/\text{NDF}$ : 13.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -355.845+/-2122.903  $\chi^2/\text{NDF}$ : 6.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

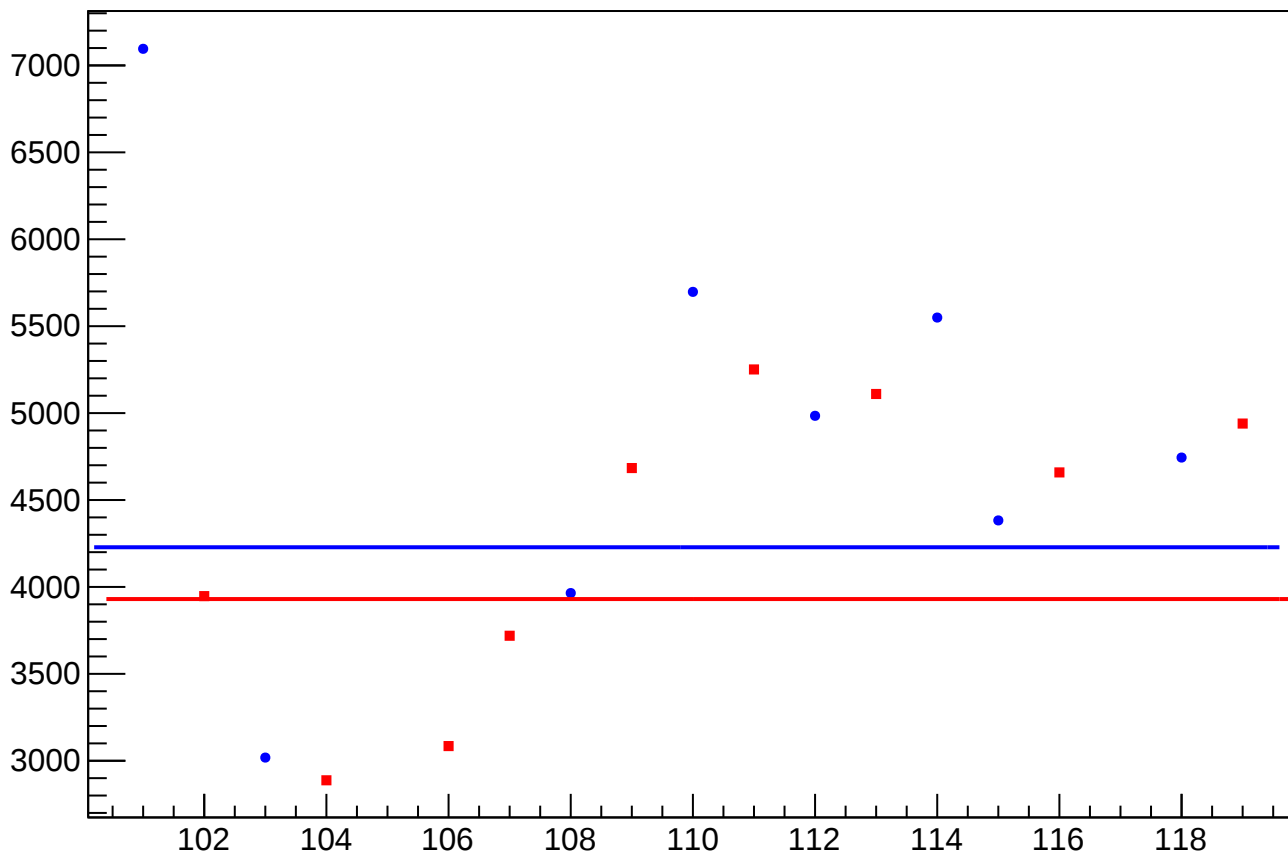
Right: -1702.161+/-1616.730  $\chi^2/\text{NDF}$ : 21.0/16

In: -3561.221+/-2494.615  $\chi^2/\text{NDF}$ : 13.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1702.161+/-1616.730  $\chi^2/\text{NDF}$ : 21.0/16

# asym\_atr\_dd\_rms vs Slug, Sign Corrected



Right In: 4228.272+/-1.764  $\chi^2/\text{NDF}$ : 469586.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3930.295+/-1.488  $\chi^2/\text{NDF}$ : 350526.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

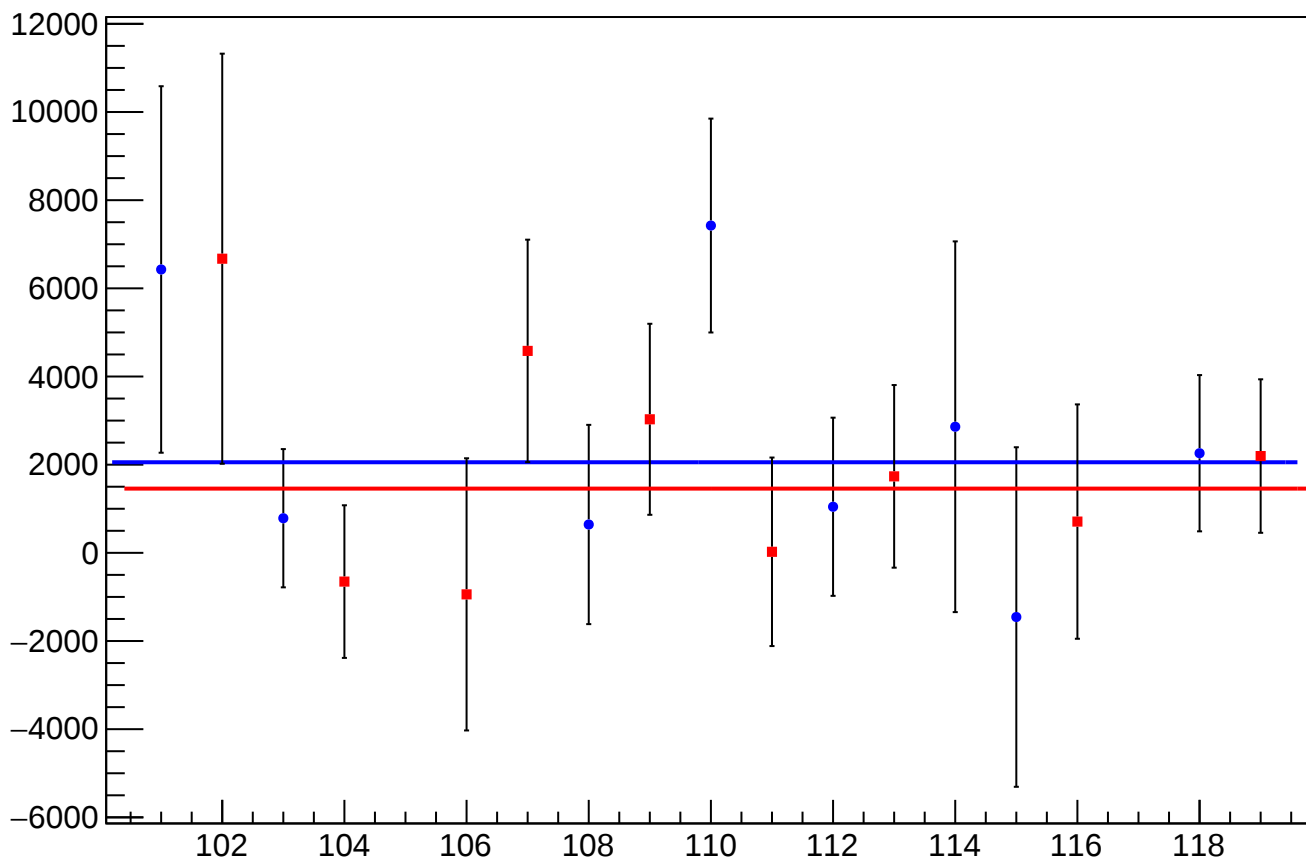
Right: 4054.183+/-1.137  $\chi^2/\text{NDF}$ : 836784.8/16

In: 4228.272+/-1.764  $\chi^2/\text{NDF}$ : 469586.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4054.183+/-1.137  $\chi^2/\text{NDF}$ : 836784.8/16

dit\_asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug, Sign Corrected



Right In: 2054.924+/-811.808  $\chi^2/\text{NDF}$ : 8.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1457.215+/-749.934  $\chi^2/\text{NDF}$ : 6.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

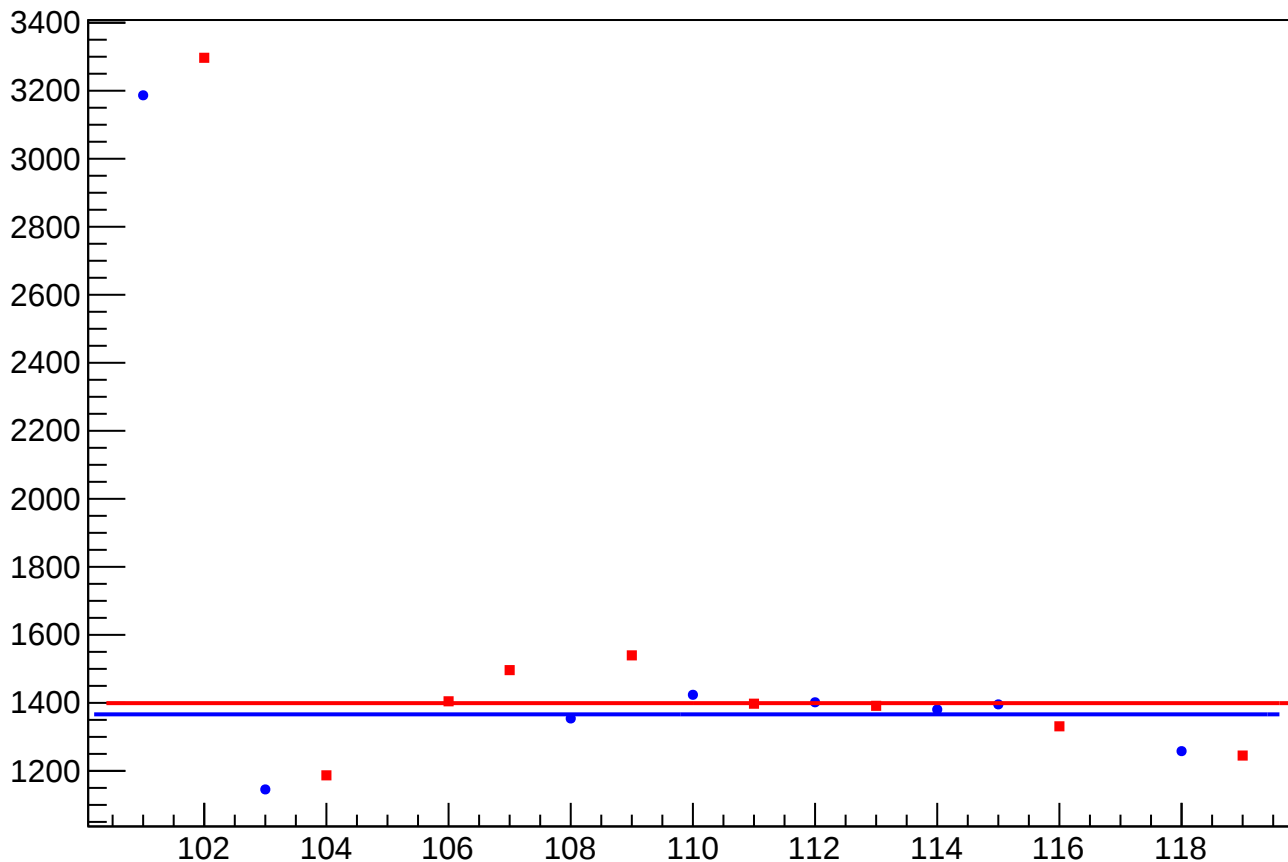
Right: 1732.426+/-550.860  $\chi^2/\text{NDF}$ : 14.6/16

In: 2054.924+/-811.808  $\chi^2/\text{NDF}$ : 8.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1732.426+/-550.860  $\chi^2/\text{NDF}$ : 14.6/16

dit\_asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug, Sign Corrected



Right In: 1366.293+/-0.574  $\chi^2/\text{NDF}$ : 432521.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1399.230+/-0.530  $\chi^2/\text{NDF}$ : 391497.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

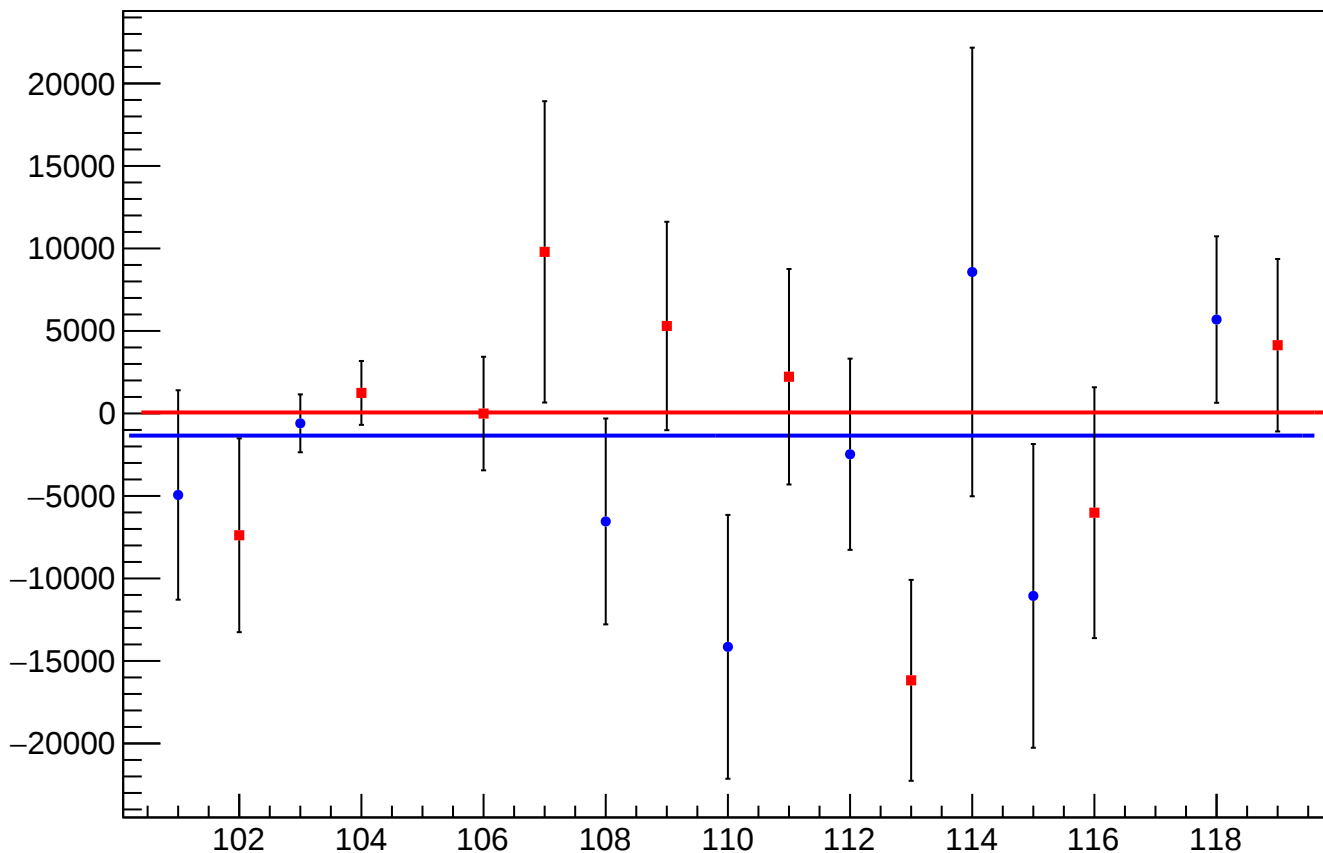
Right: 1384.079+/-0.389  $\chi^2/\text{NDF}$ : 825797.3/16

In: 1366.293+/-0.574  $\chi^2/\text{NDF}$ :432521.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1384.079+/-0.389  $\chi^2/\text{NDF}$ : 825797.3/16

asym\_atl\_avg\_atr\_avg\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -1342.226+/-1447.340  $\chi^2/\text{NDF}$ : 7.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 60.116+/-1384.440  $\chi^2/\text{NDF}$ : 12.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

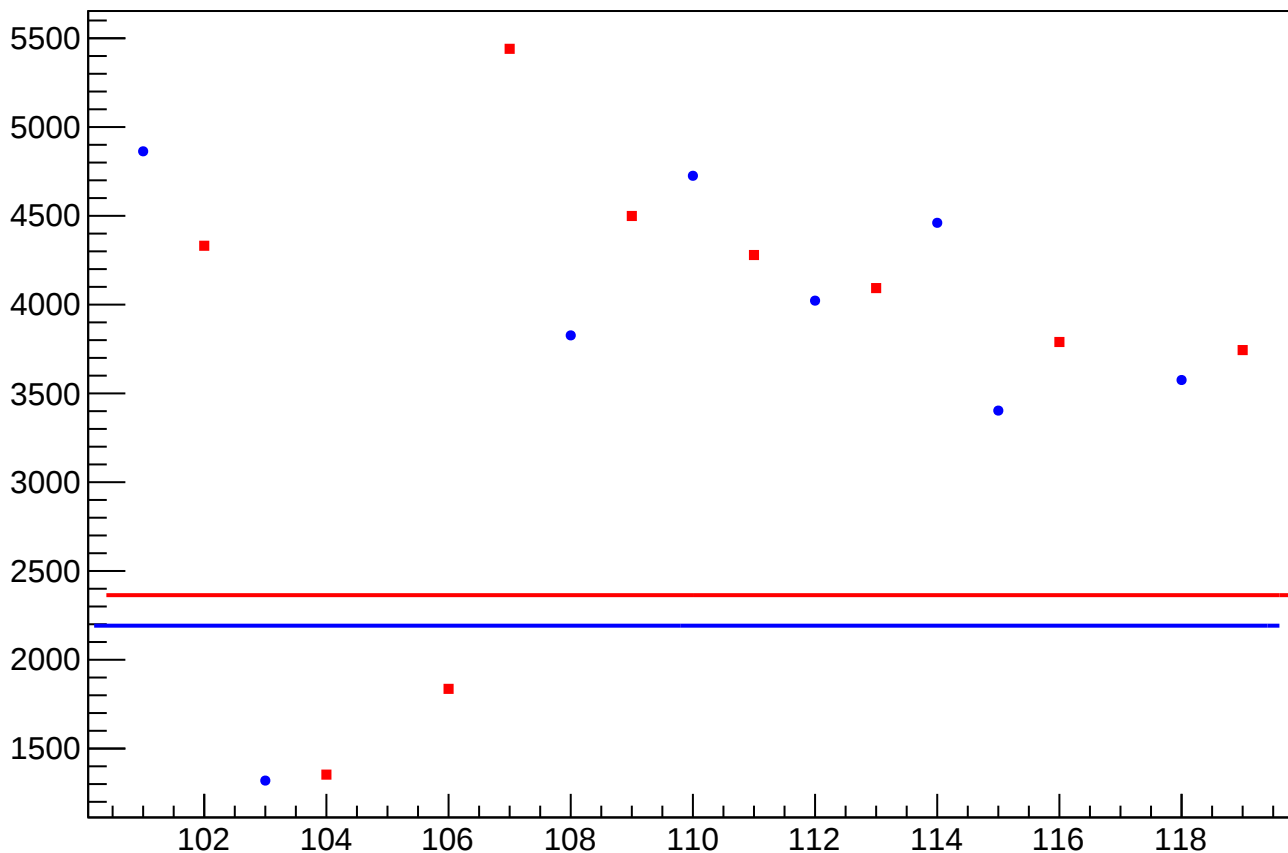
Right: -609.921+/-1000.444  $\chi^2/\text{NDF}$ : 20.2/16

In: -1342.226+/-1447.340  $\chi^2/\text{NDF}$ : 7.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -609.921+/-1000.444  $\chi^2/\text{NDF}$ : 20.2/16

asym\_atl\_avg\_atr\_avg\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 2191.993+/-1.023  $\chi^2/\text{NDF}$ : 1627345.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2363.837+/-0.979  $\chi^2/\text{NDF}$ : 1815640.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

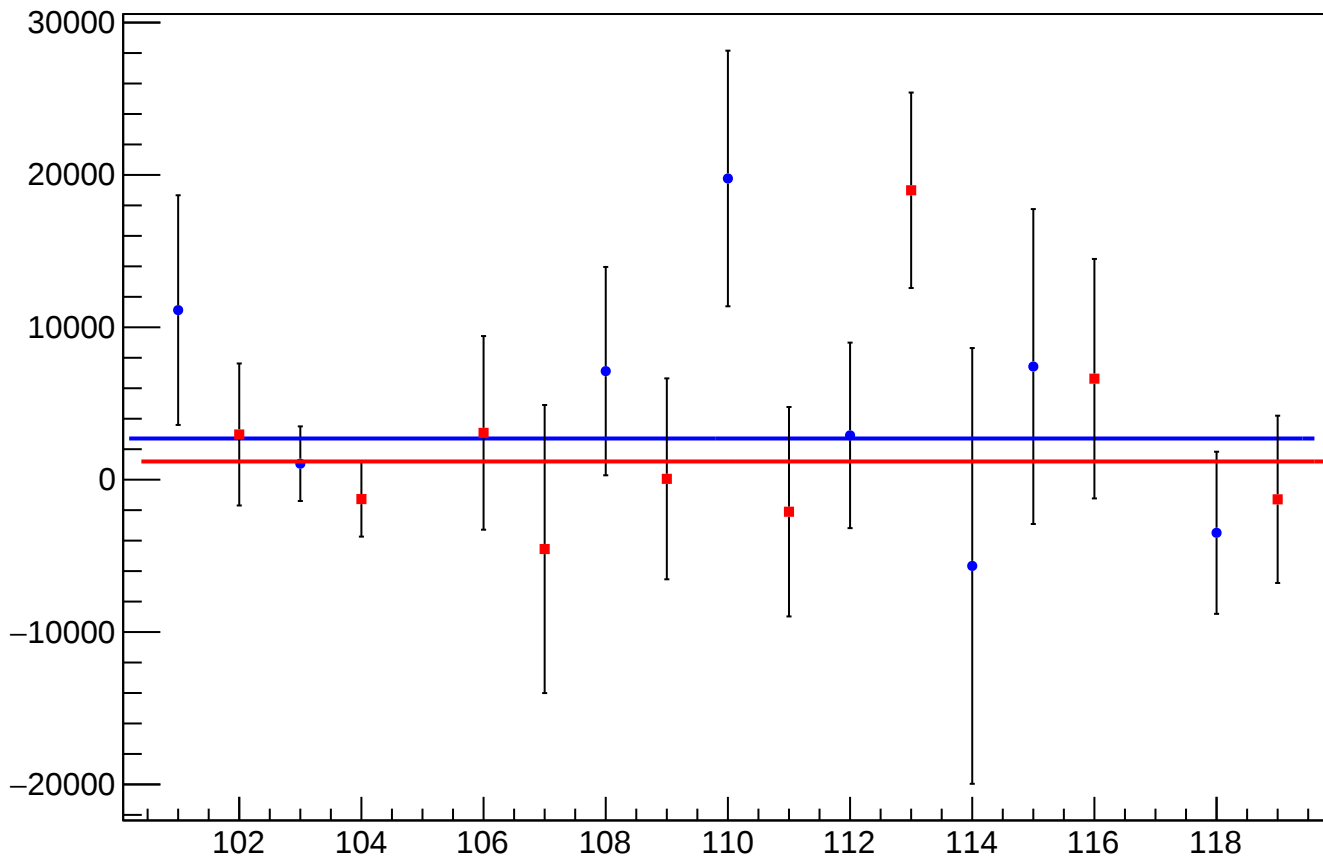
Right: 2281.730+/-0.707  $\chi^2/\text{NDF}$ : 3457708.2/16

In: 2191.993+/-1.023  $\chi^2/\text{NDF}$ :1627345.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 2281.730+/-0.707  $\chi^2/\text{NDF}$ : 3457708.2/16

asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug, Sign Corrected



Right In: 2702.816+/-1836.354  $\chi^2/\text{NDF}$ : 8.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1194.433+/-1656.584  $\chi^2/\text{NDF}$ : 10.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

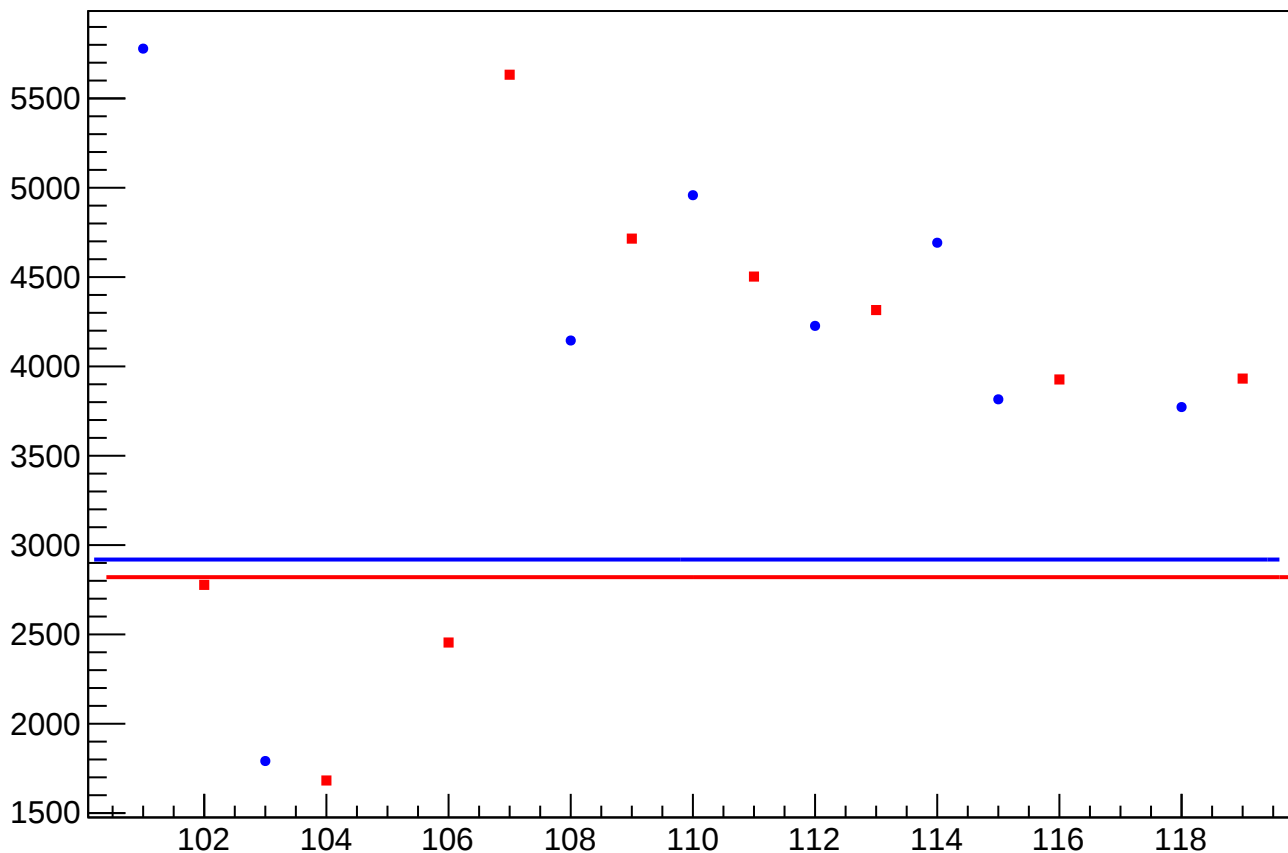
Right: 1871.198+/-1230.041  $\chi^2/\text{NDF}$ : 18.8/16

In: 2702.816+/-1836.354  $\chi^2/\text{NDF}$ : 8.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1871.198+/-1230.041  $\chi^2/\text{NDF}$ : 18.8/16

asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug, Sign Corrected



Right In: 2919.079+/-1.298  $\chi^2/\text{NDF}$ : 1084248.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2820.434+/-1.156  $\chi^2/\text{NDF}$ : 1127932.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

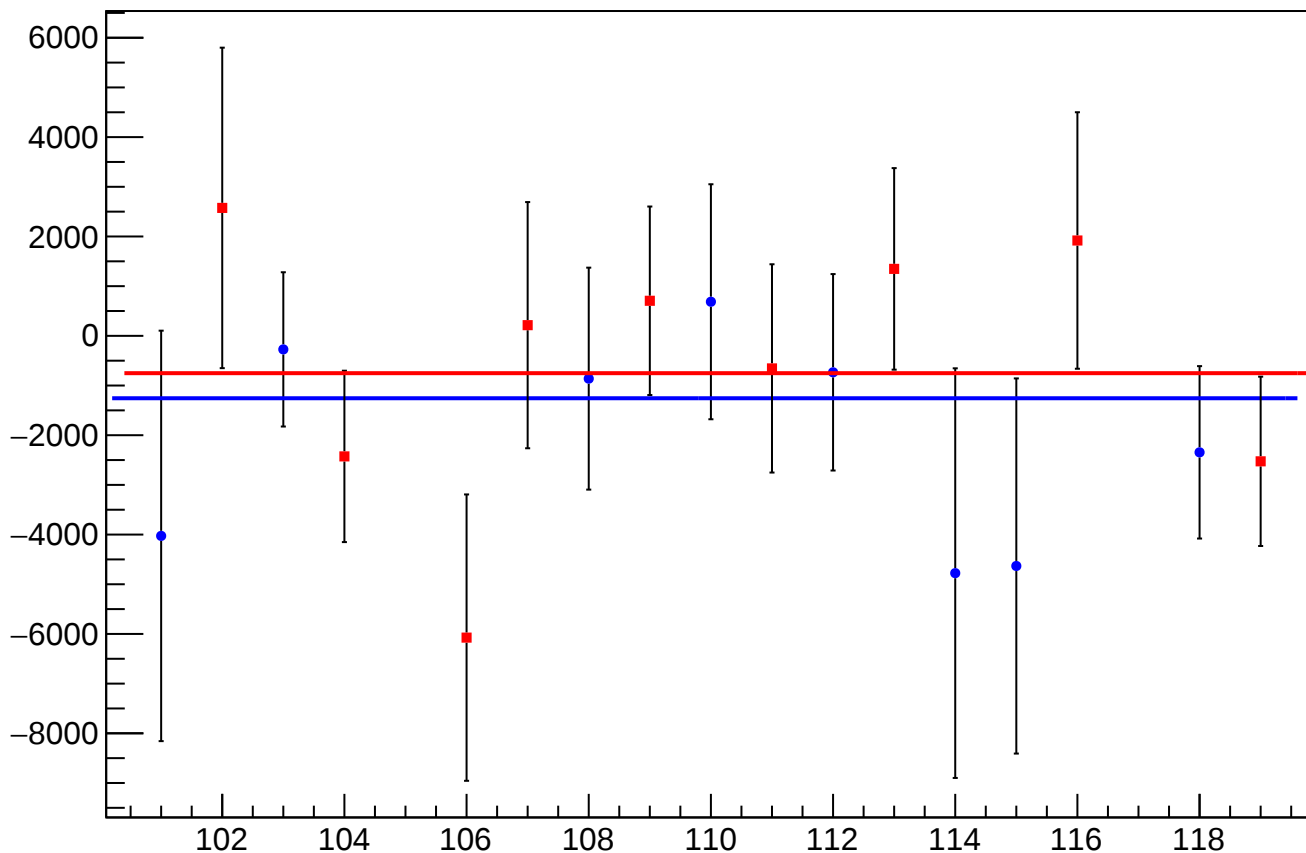
Right: 2864.054+/-0.863  $\chi^2/\text{NDF}$ : 2215400.8/16

In: 2919.079+/-1.298  $\chi^2/\text{NDF}$ : 1084248.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2864.054+/-0.863  $\chi^2/\text{NDF}$ : 2215400.8/16

dit\_asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug, Sign Corrected



Right In: -1256.043+/-798.196  $\chi^2/\text{NDF}$ : 3.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -751.347+/-714.574  $\chi^2/\text{NDF}$ : 9.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

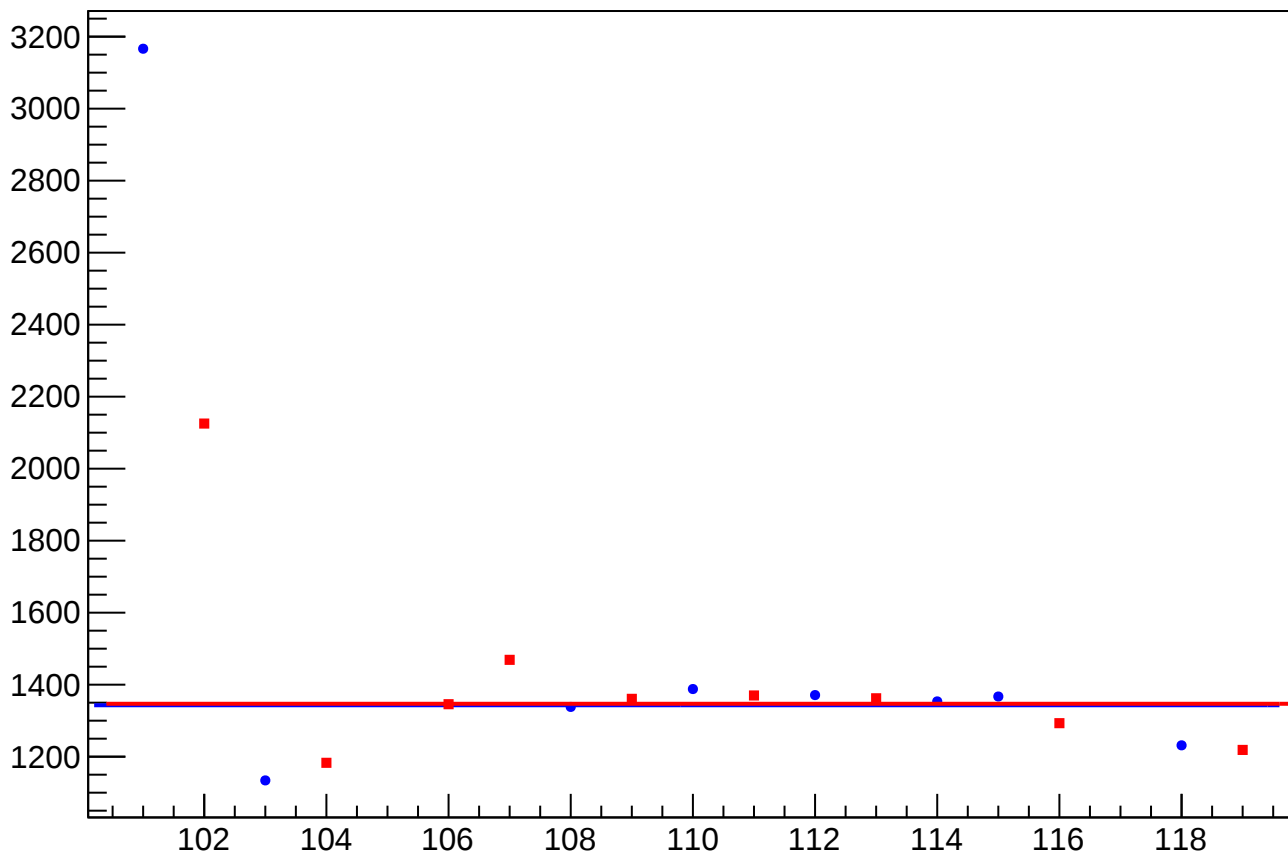
Right: -975.882+/-532.398  $\chi^2/\text{NDF}$ : 13.2/16

In: -1256.043+/-798.196  $\chi^2/\text{NDF}$ : 3.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -975.882+/-532.398  $\chi^2/\text{NDF}$ : 13.2/16

dit\_asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug, Sign Corrected



Right In: 1342.848+/-0.564  $\chi^2/\text{NDF}$ : 435399.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1346.955+/-0.505  $\chi^2/\text{NDF}$ : 152045.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

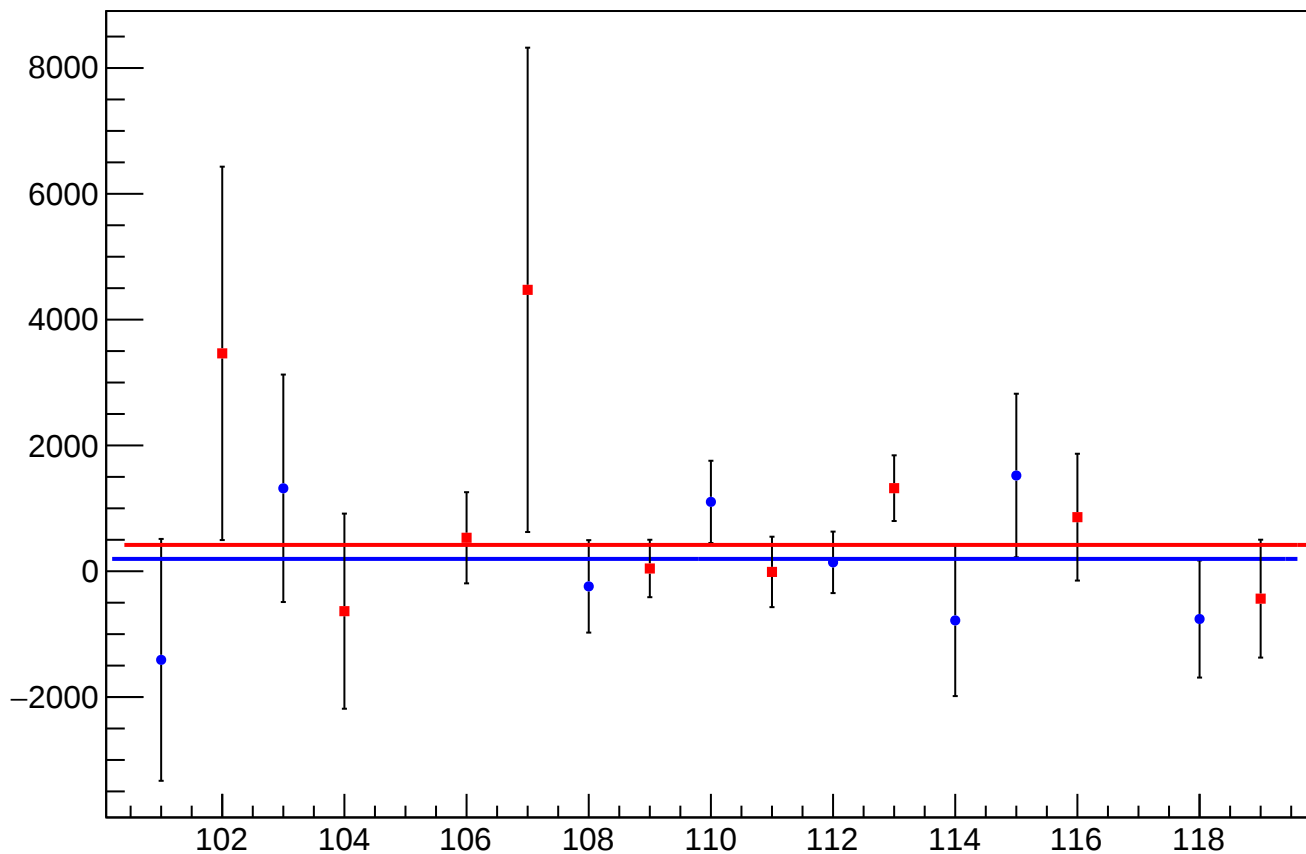
Right: 1345.128+/-0.376  $\chi^2/\text{NDF}$ : 587473.8/16

In: 1342.848+/-0.564  $\chi^2/\text{NDF}$ : 435399.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1345.128+/-0.376  $\chi^2/\text{NDF}$ : 587473.8/16

asym\_atl\_avg\_atr\_avg\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 196.128+/-296.267  $\chi^2/\text{NDF}$ : 6.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 418.519+/-247.839  $\chi^2/\text{NDF}$ : 7.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

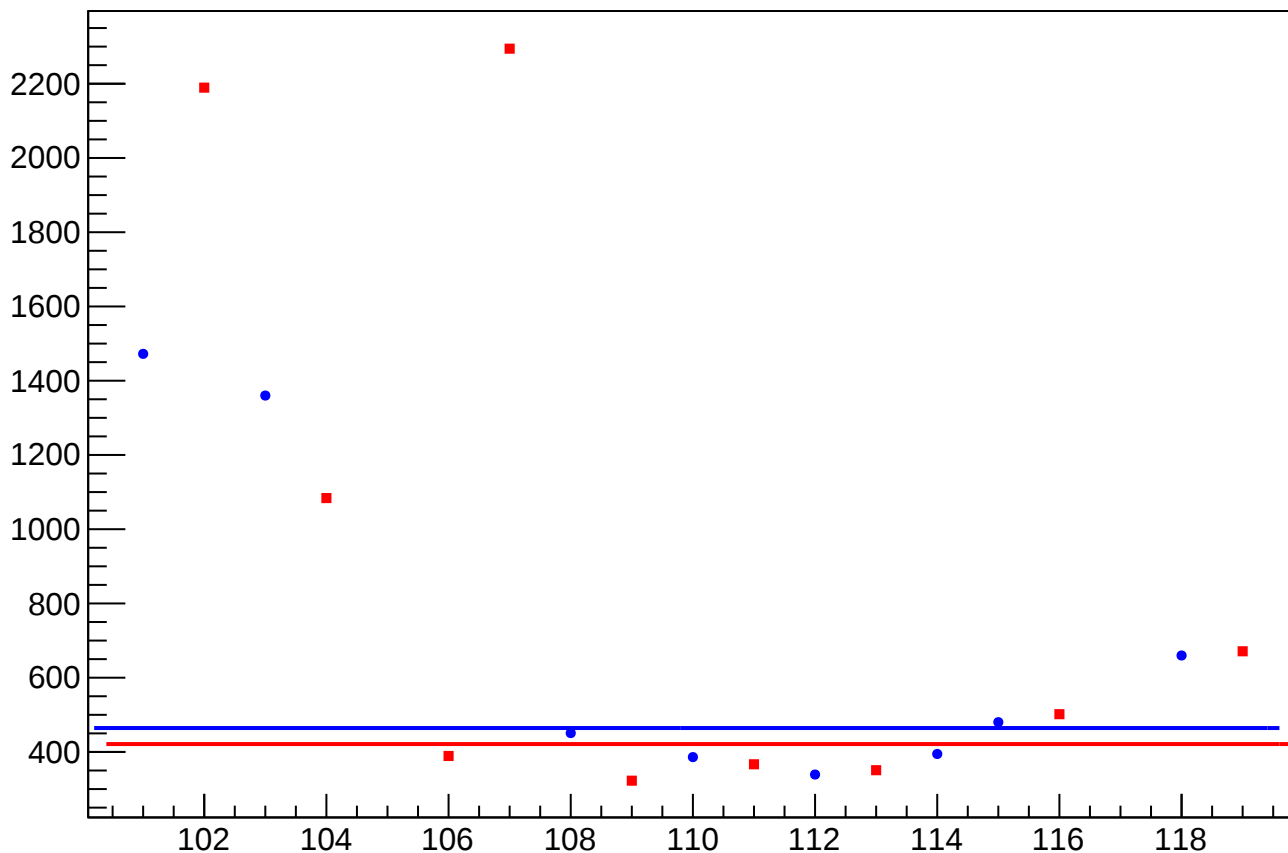
Right: 326.962+/-190.095  $\chi^2/\text{NDF}$ : 14.4/16

In: 196.128+/-296.267  $\chi^2/\text{NDF}$ : 6.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 326.962+/-190.095  $\chi^2/\text{NDF}$ : 14.4/16

asym\_atl\_avg\_atr\_avg\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 464.418+/-0.209  $\chi^2/\text{NDF}$ : 1296491.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 421.236+/-0.175  $\chi^2/\text{NDF}$ : 1856017.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

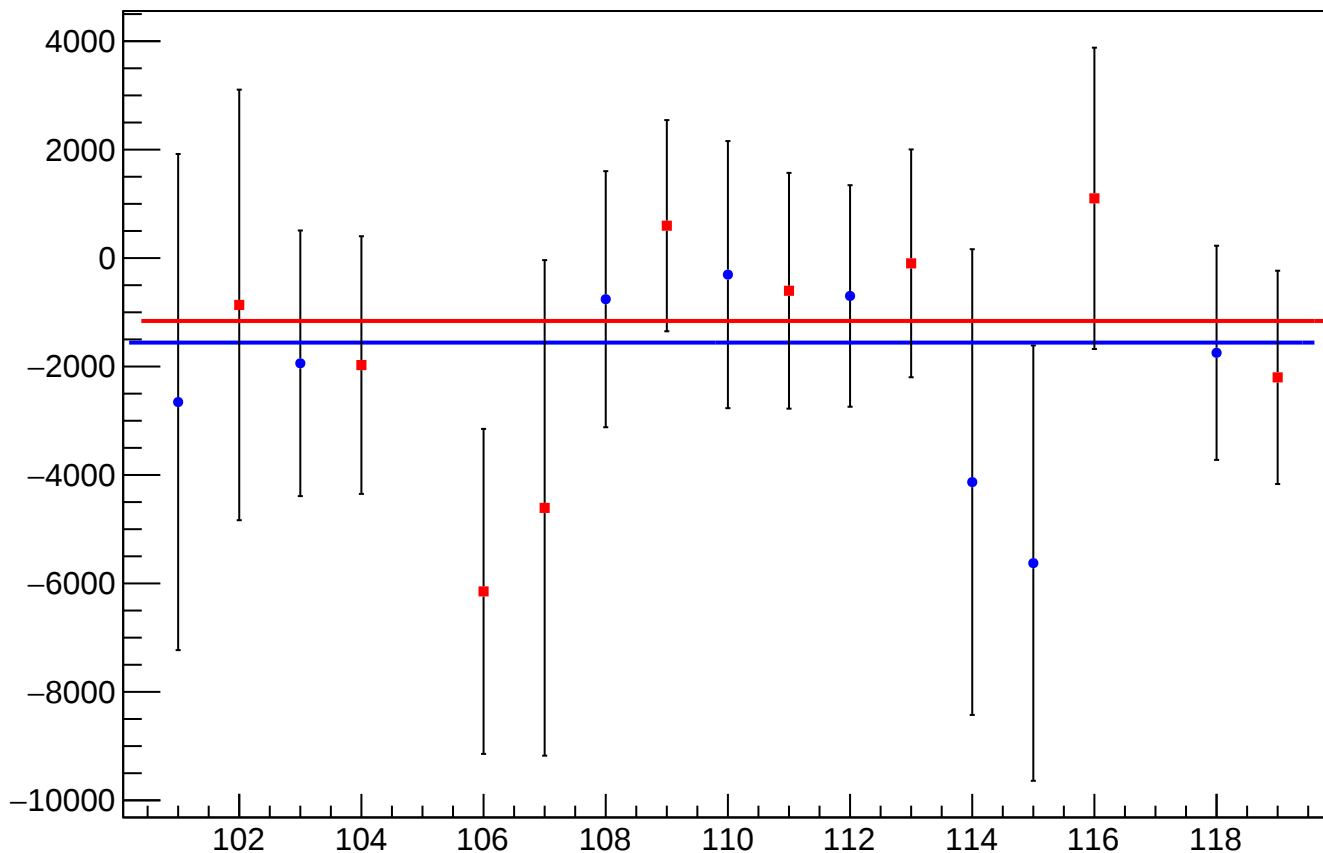
Right: 439.014+/-0.134  $\chi^2/\text{NDF}$ : 3177504.6/16

In: 464.418+/-0.209  $\chi^2/\text{NDF}$ : 1296491.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 439.014+/-0.134  $\chi^2/\text{NDF}$ : 3177504.6/16

asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug, Sign Corrected



Right In: -1558.534+/-924.117  $\chi^2/\text{NDF}$ : 2.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1159.657+/-819.339  $\chi^2/\text{NDF}$ : 5.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

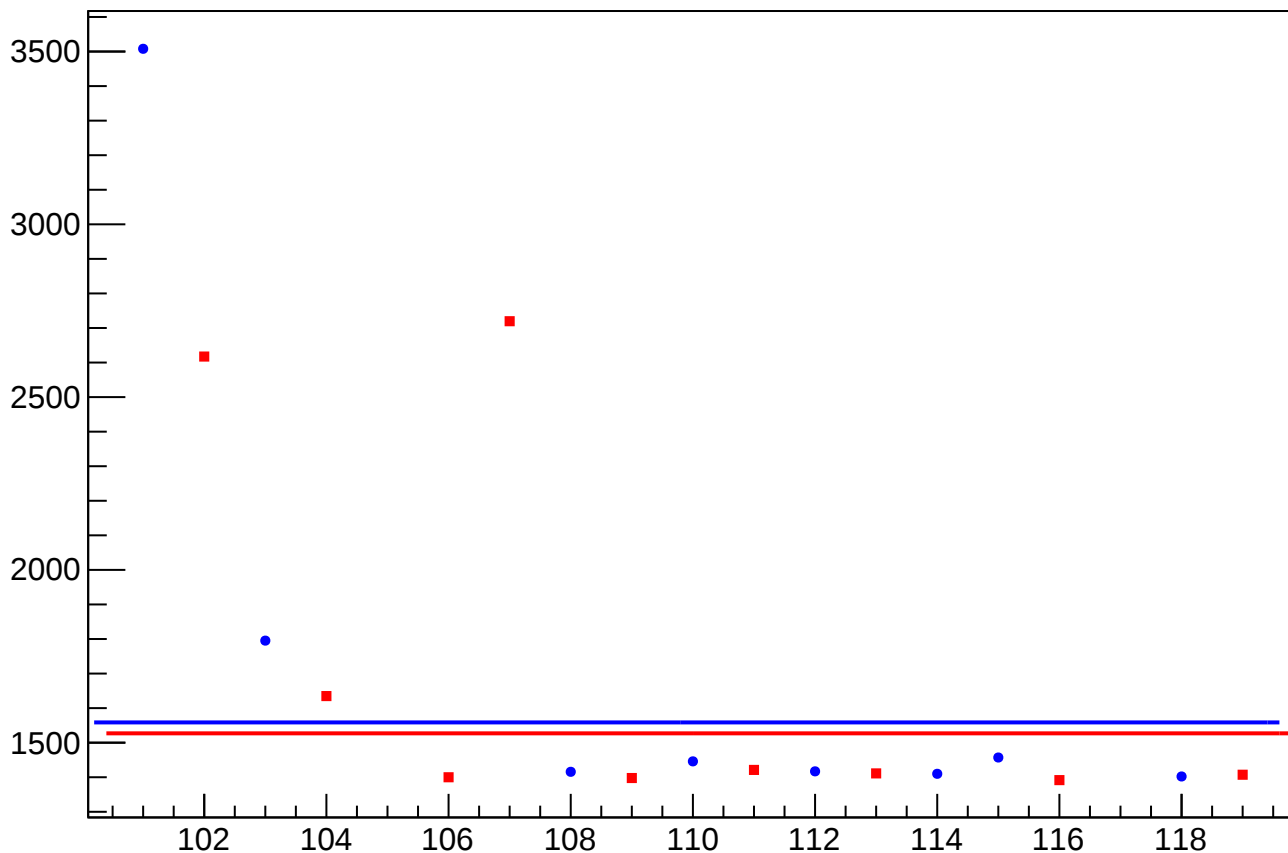
Right: -1335.210+/-613.072  $\chi^2/\text{NDF}$ : 7.7/16

In: -1558.534+/-924.117  $\chi^2/\text{NDF}$ : 2.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1335.210+/-613.072  $\chi^2/\text{NDF}$ : 7.7/16

asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug, Sign Corrected



Right In: 1558.633+/-0.653  $\chi^2/\text{NDF}$ : 419132.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1527.027+/-0.579  $\chi^2/\text{NDF}$ : 326615.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

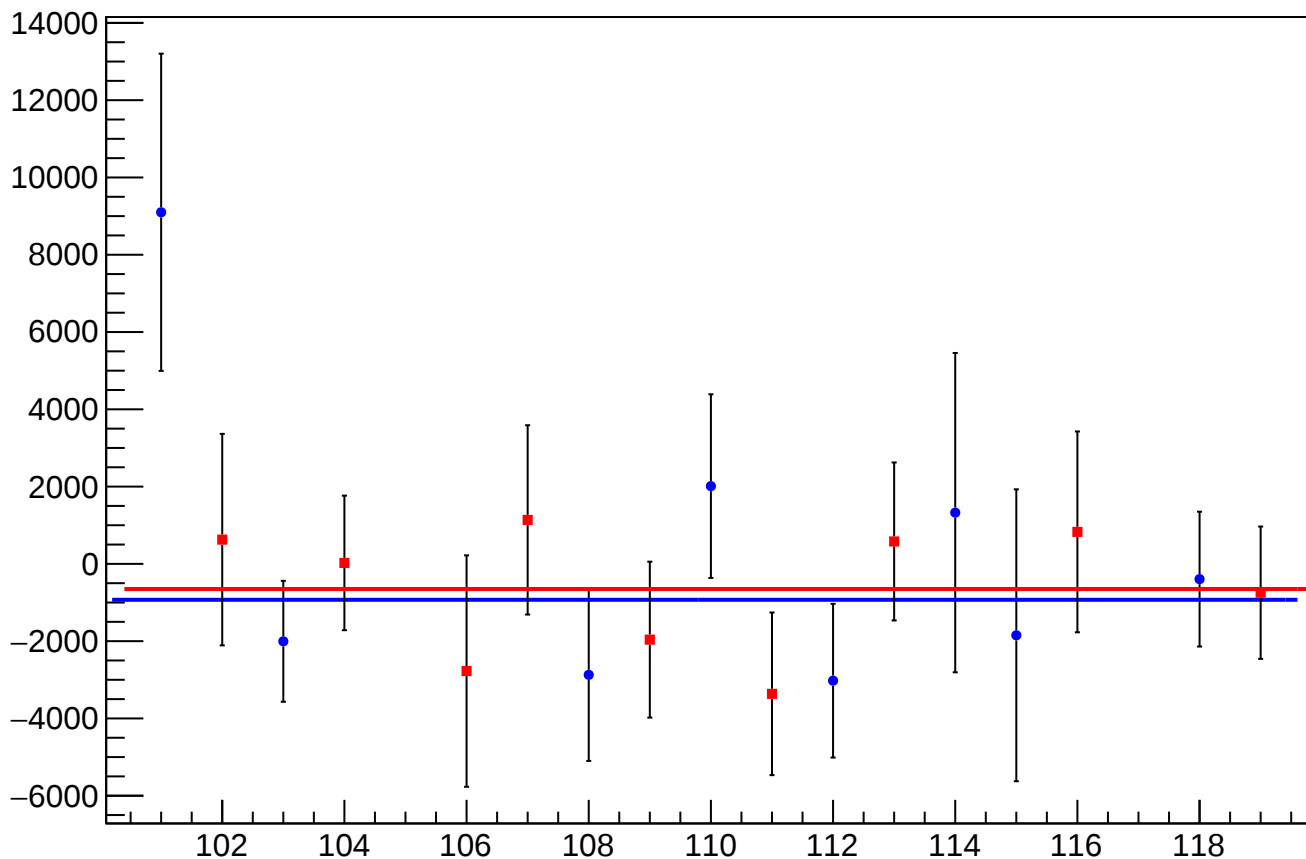
Right: 1540.937+/-0.434  $\chi^2/\text{NDF}$ : 747057.6/16

In: 1558.633+/-0.653  $\chi^2/\text{NDF}$ :419132.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1540.937+/-0.434  $\chi^2/\text{NDF}$ : 747057.6/16

dit\_asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug, Sign Corrected



Right In: -929.228+/-801.639  $\chi^2/\text{NDF}$ : 10.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -649.806+/-717.672  $\chi^2/\text{NDF}$ : 4.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

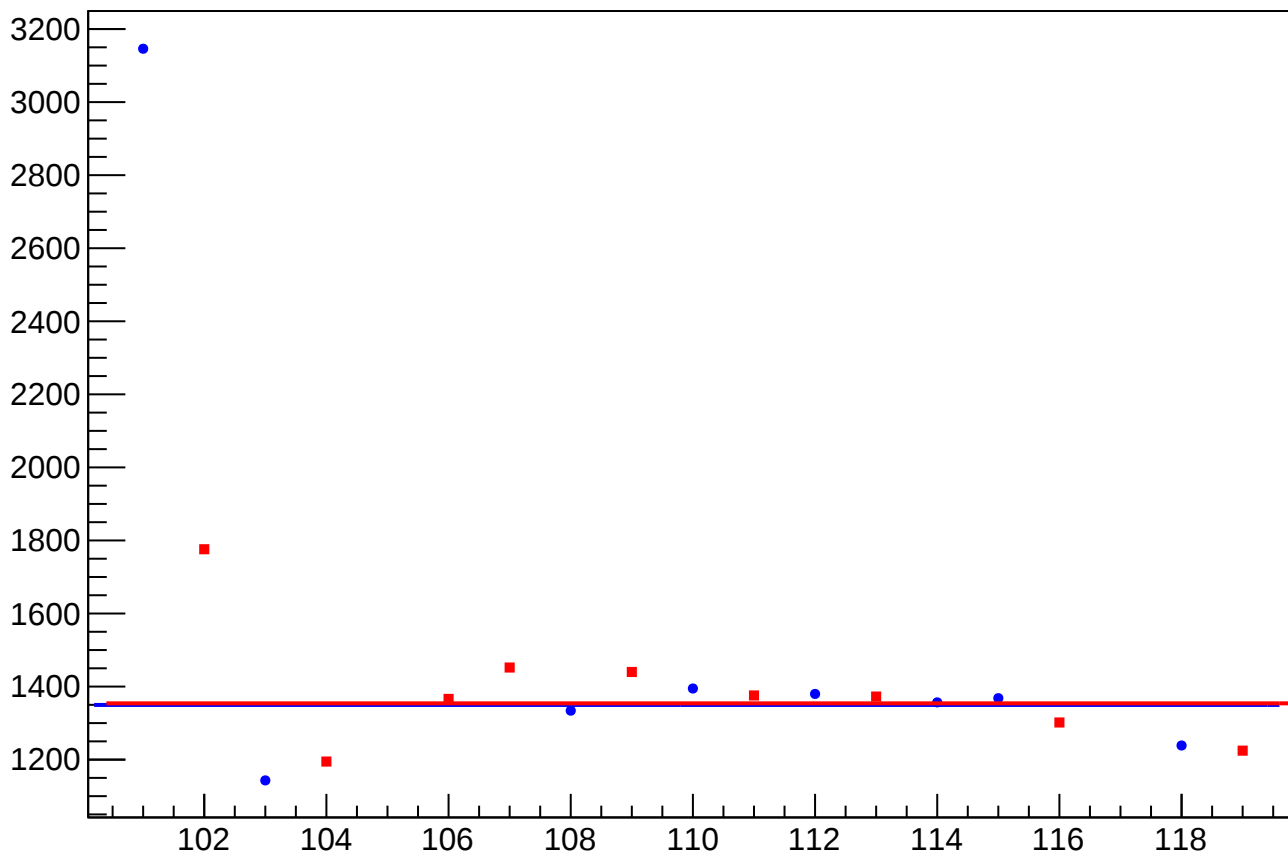
Right: -774.121+/-534.701  $\chi^2/\text{NDF}$ : 14.5/16

In: -929.228+/-801.639  $\chi^2/\text{NDF}$ : 10.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -774.121+/-534.701  $\chi^2/\text{NDF}$ : 14.5/16

dit\_asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug, Sign Corrected



Right In: 1349.696 $\pm$ 0.567  $\chi^2$ /NDF: 427402.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1354.074 $\pm$ 0.507  $\chi^2$ /NDF: 83762.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

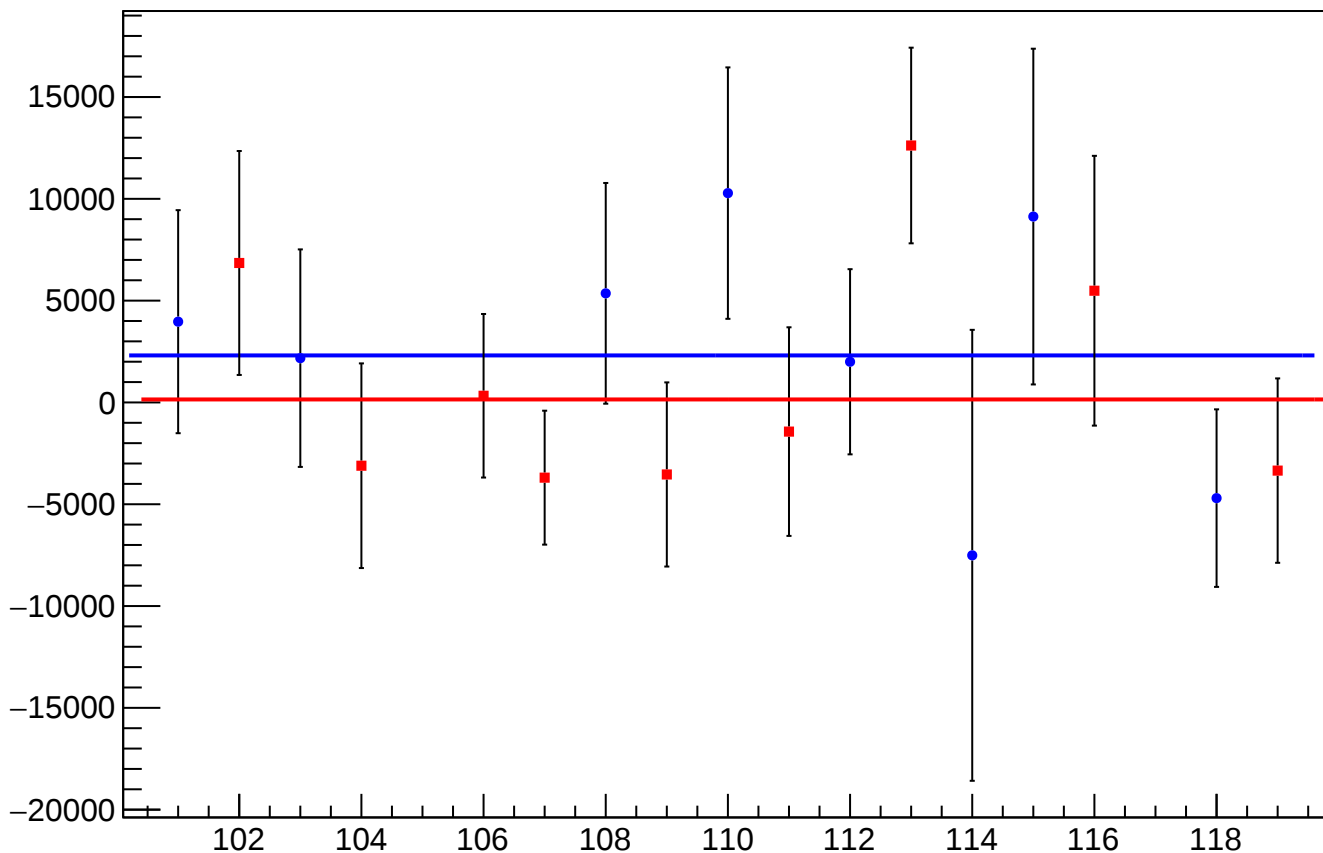
Right: 1352.129 $\pm$ 0.378  $\chi^2$ /NDF: 511198.0/16

In: 1349.696 $\pm$ 0.567  $\chi^2$ /NDF: 427402.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1352.129 $\pm$ 0.378  $\chi^2$ /NDF: 511198.0/16

asym\_atl\_dd\_atr\_dd\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 2309.111+/-1990.191  $\chi^2/\text{NDF}$ : 6.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 146.825+/-1526.859  $\chi^2/\text{NDF}$ : 12.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

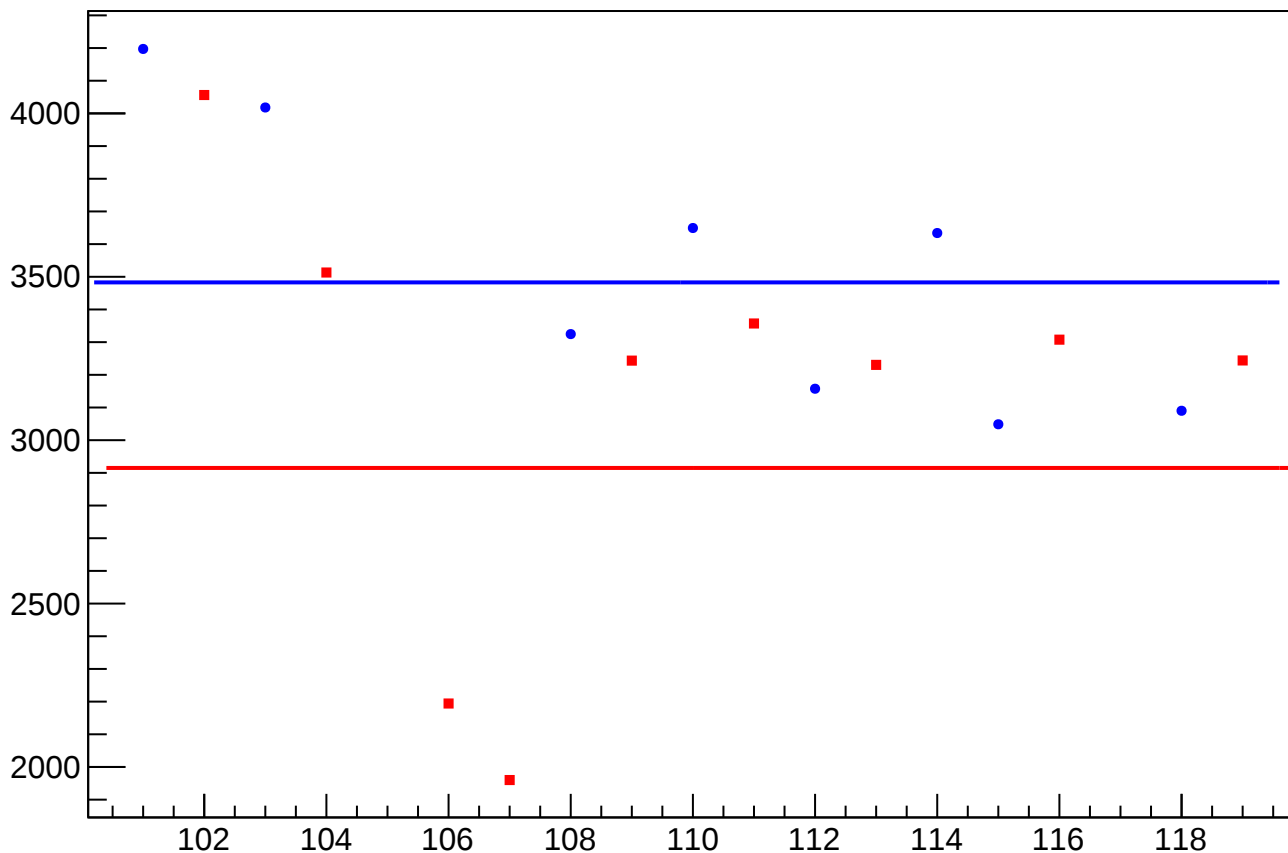
Right: 947.970+/-1211.418  $\chi^2/\text{NDF}$ : 18.9/16

In: 2309.111+/-1990.191  $\chi^2/\text{NDF}$ : 6.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 947.970+/-1211.418  $\chi^2/\text{NDF}$ : 18.9/16

asym\_atl\_dd\_atr\_dd\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 3482.845+/-1.407  $\chi^2/\text{NDF}$ : 89652.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2915.044+/-1.080  $\chi^2/\text{NDF}$ : 399119.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

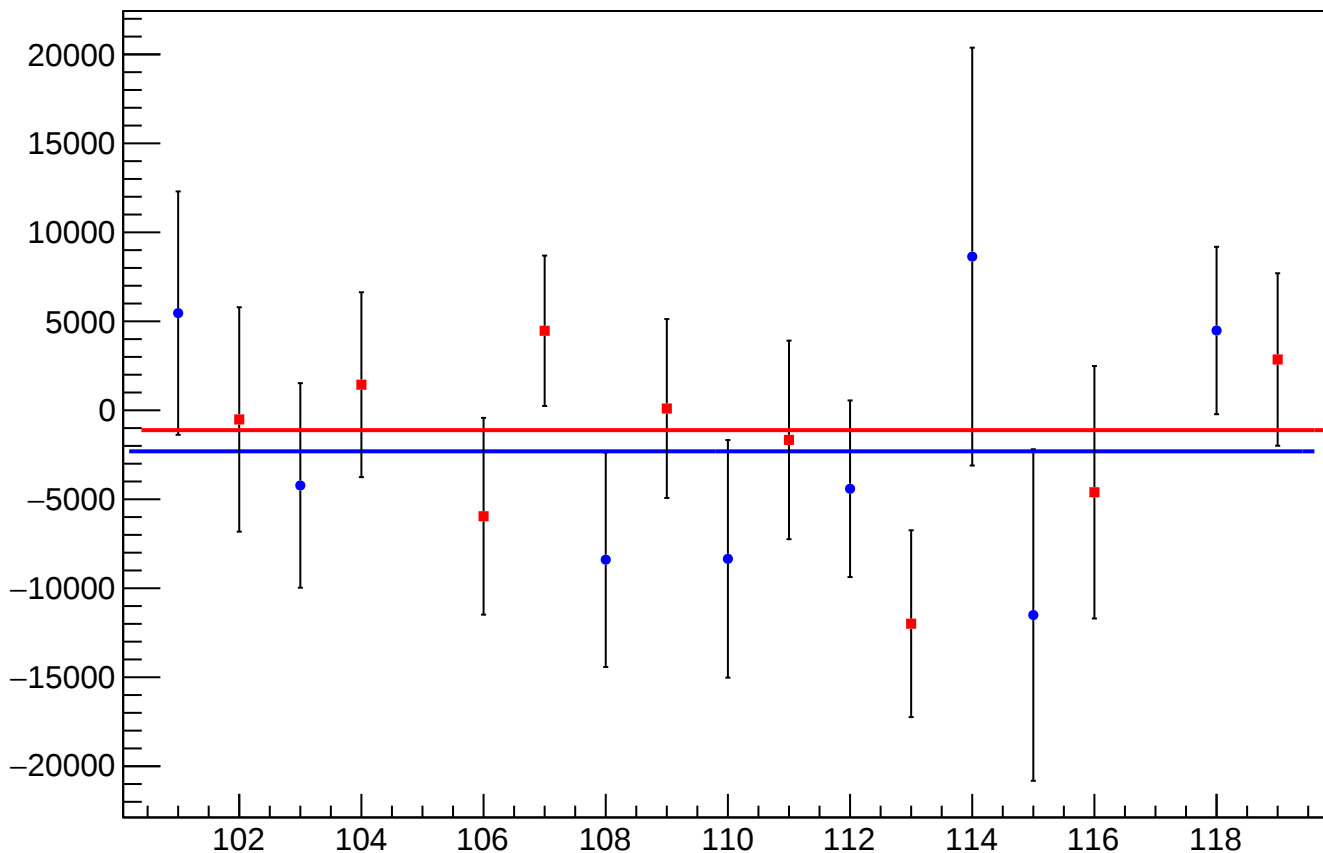
Right: 3125.419+/-0.857  $\chi^2/\text{NDF}$ : 591248.3/16

In: 3482.845+/-1.407  $\chi^2/\text{NDF}$ : 89652.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3125.419+/-0.857  $\chi^2/\text{NDF}$ : 591248.3/16

asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug, Sign Corrected



Right In: -2305.241+/-2202.275  $\chi^2/\text{NDF}$ : 7.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1115.610+/-1763.818  $\chi^2/\text{NDF}$ : 8.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

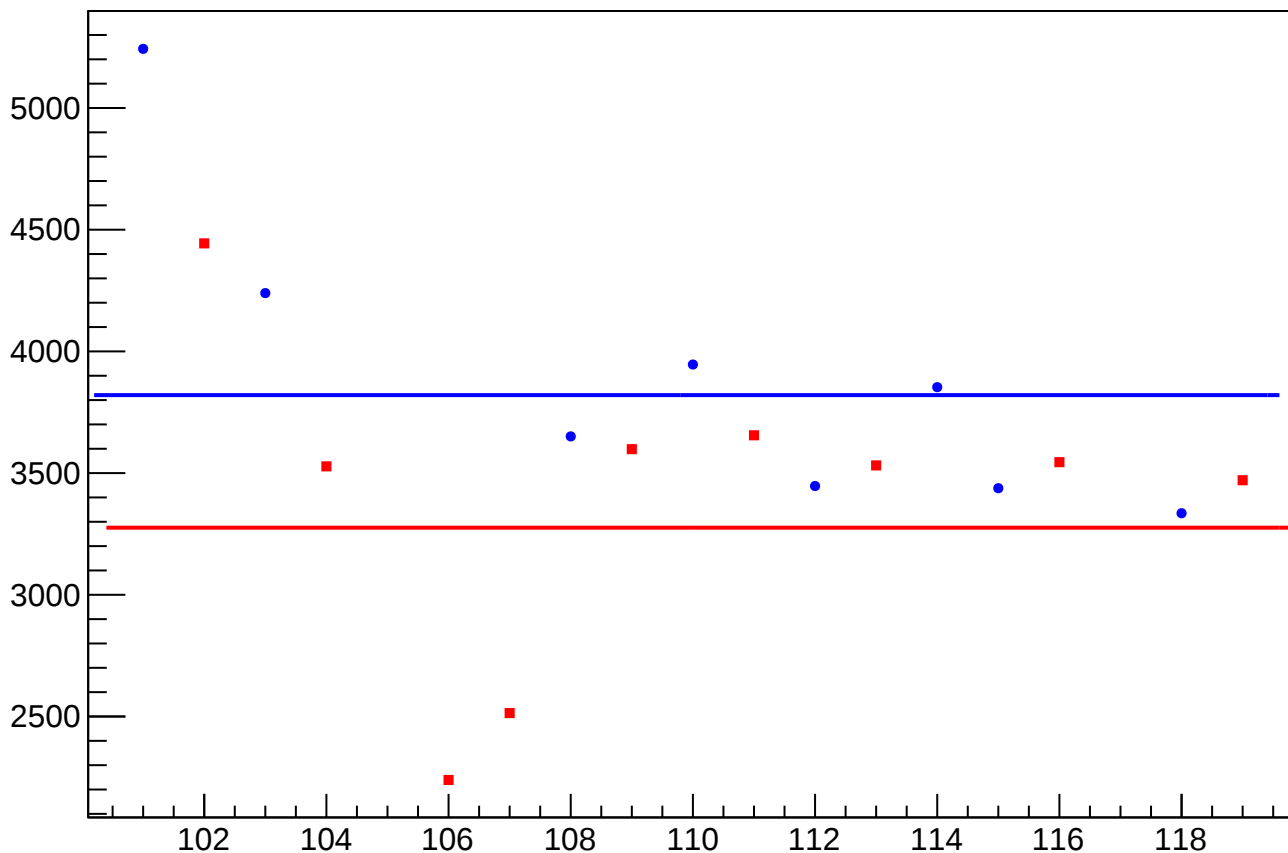
Right: -1580.499+/-1376.701  $\chi^2/\text{NDF}$ : 15.6/16

In: -2305.241+/-2202.275  $\chi^2/\text{NDF}$ : 7.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1580.499+/-1376.701  $\chi^2/\text{NDF}$ : 15.6/16

asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug, Sign Corrected



Right In: 3820.394+/-1.557  $\chi^2/\text{NDF}$ : 135484.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3275.809+/-1.229  $\chi^2/\text{NDF}$ : 257821.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

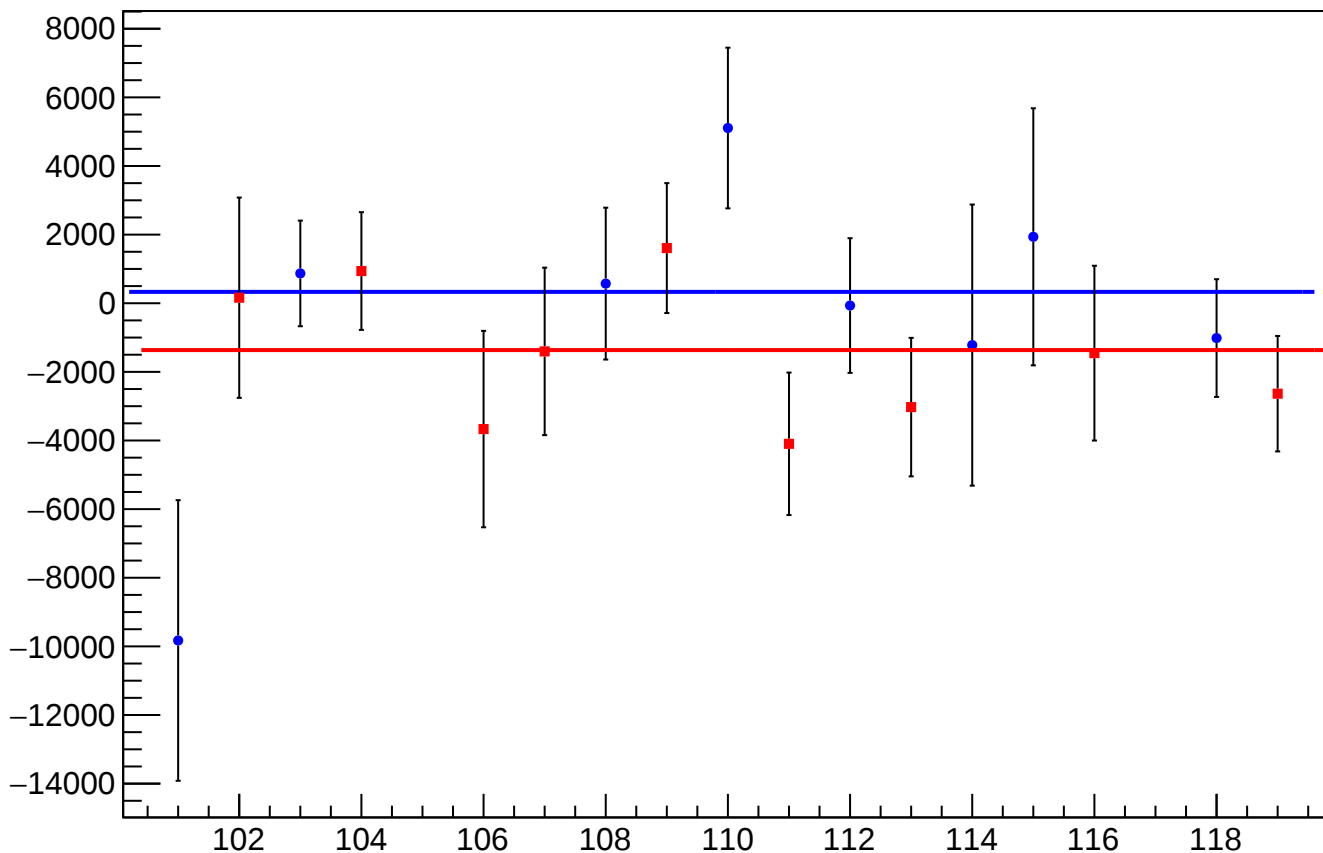
Right: 3484.799+/-0.965  $\chi^2/\text{NDF}$ : 468679.3/16

In: 3820.394+/-1.557  $\chi^2/\text{NDF}$ : 135484.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3484.799+/-0.965  $\chi^2/\text{NDF}$ : 468679.3/16

dit\_asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug, Sign Corrected



Right In: 331.703+/-790.856  $\chi^2/\text{NDF}$ : 11.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1364.905+/-705.148  $\chi^2/\text{NDF}$ : 8.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

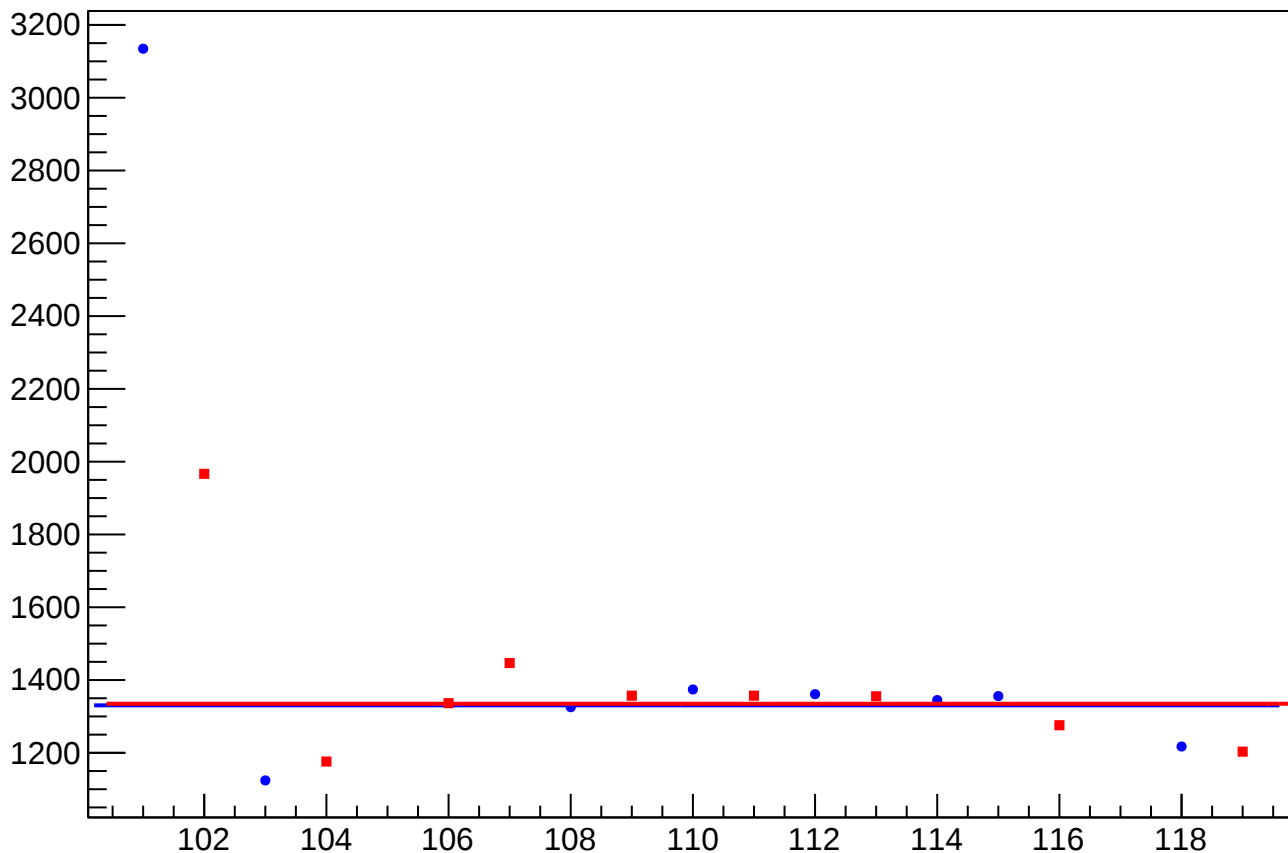
Right: -613.484+/-526.318  $\chi^2/\text{NDF}$ : 22.2/16

In: 331.703+/-790.856  $\chi^2/\text{NDF}$ : 11.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -613.484+/-526.318  $\chi^2/\text{NDF}$ : 22.2/16

dit\_asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug, Sign Corrected



Right In: 1330.479+/-0.559  $\chi^2/\text{NDF}$ : 435243.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1334.866+/-0.499  $\chi^2/\text{NDF}$ : 129065.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

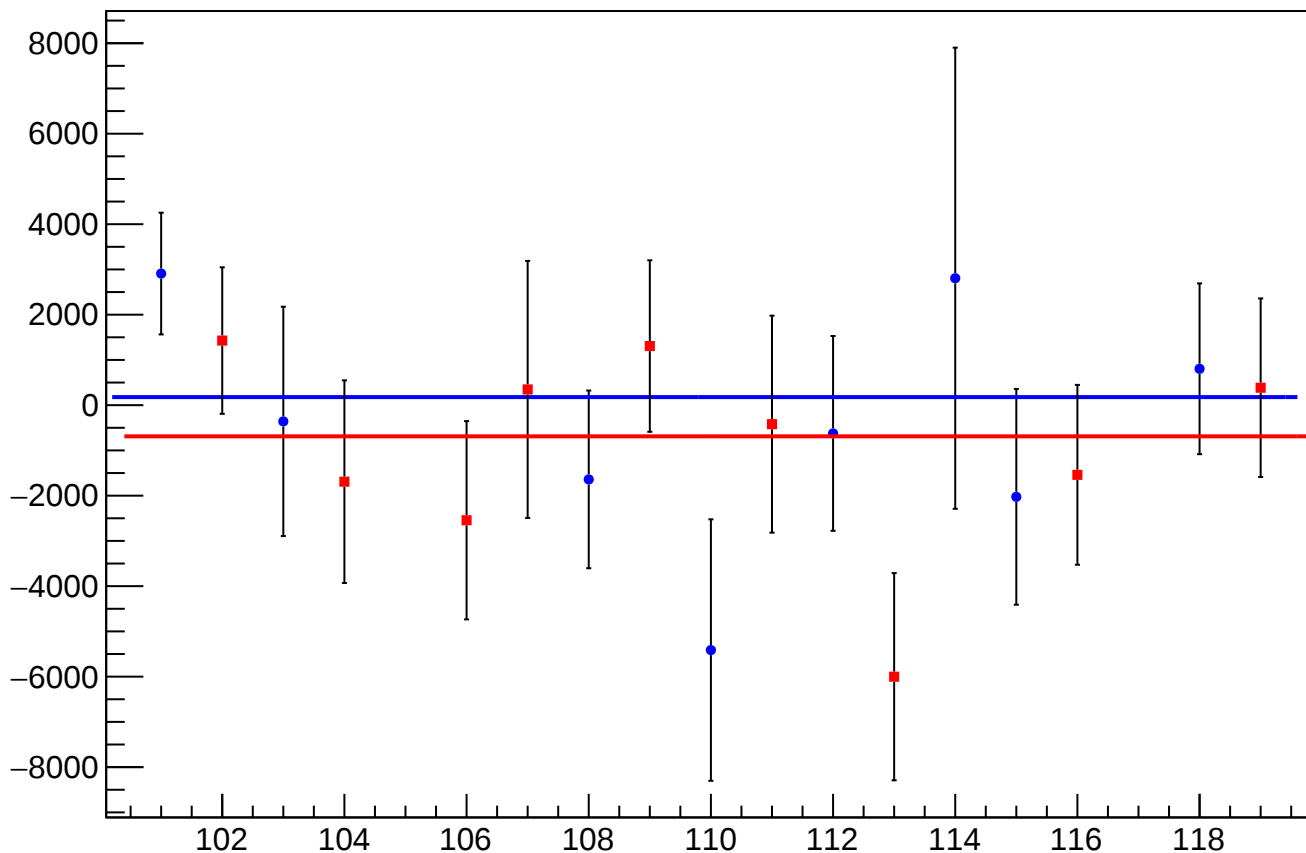
Right: 1332.923+/-0.372  $\chi^2/\text{NDF}$ : 564342.8/16

In: 1330.479+/-0.559  $\chi^2/\text{NDF}$ : 435243.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1332.923+/-0.372  $\chi^2/\text{NDF}$ : 564342.8/16

asym\_atl\_dd\_atr\_dd\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 178.431+/-745.679  $\chi^2/\text{NDF}$ : 10.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -688.858+/-695.721  $\chi^2/\text{NDF}$ : 9.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

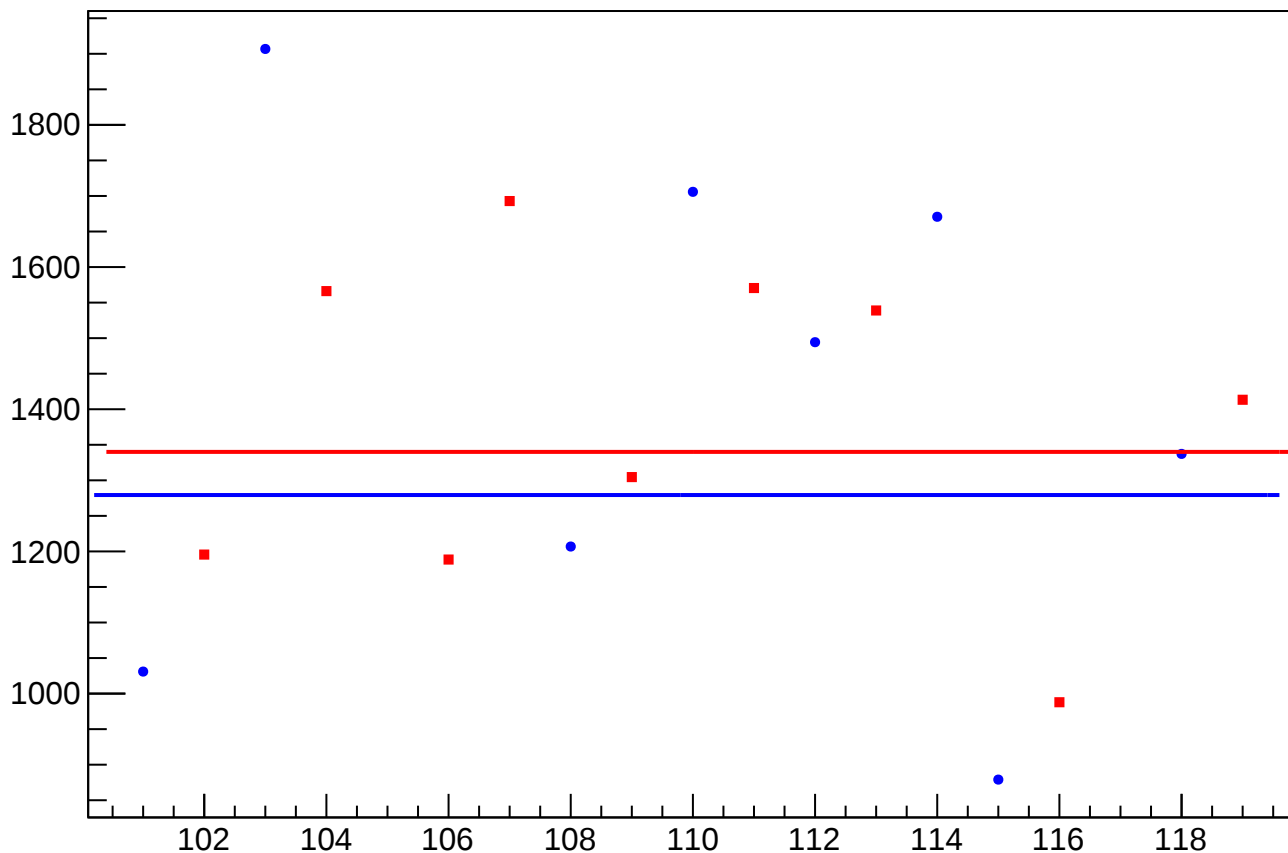
Right: -285.237+/-508.694  $\chi^2/\text{NDF}$ : 20.6/16

In: 178.431+/-745.679  $\chi^2/\text{NDF}$ :10.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -285.237+/-508.694  $\chi^2/\text{NDF}$ : 20.6/16

asym\_atl\_dd\_atr\_dd\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1279.324+/-0.527  $\chi^2/\text{NDF}$ : 327063.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1340.006+/-0.492  $\chi^2/\text{NDF}$ : 176551.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

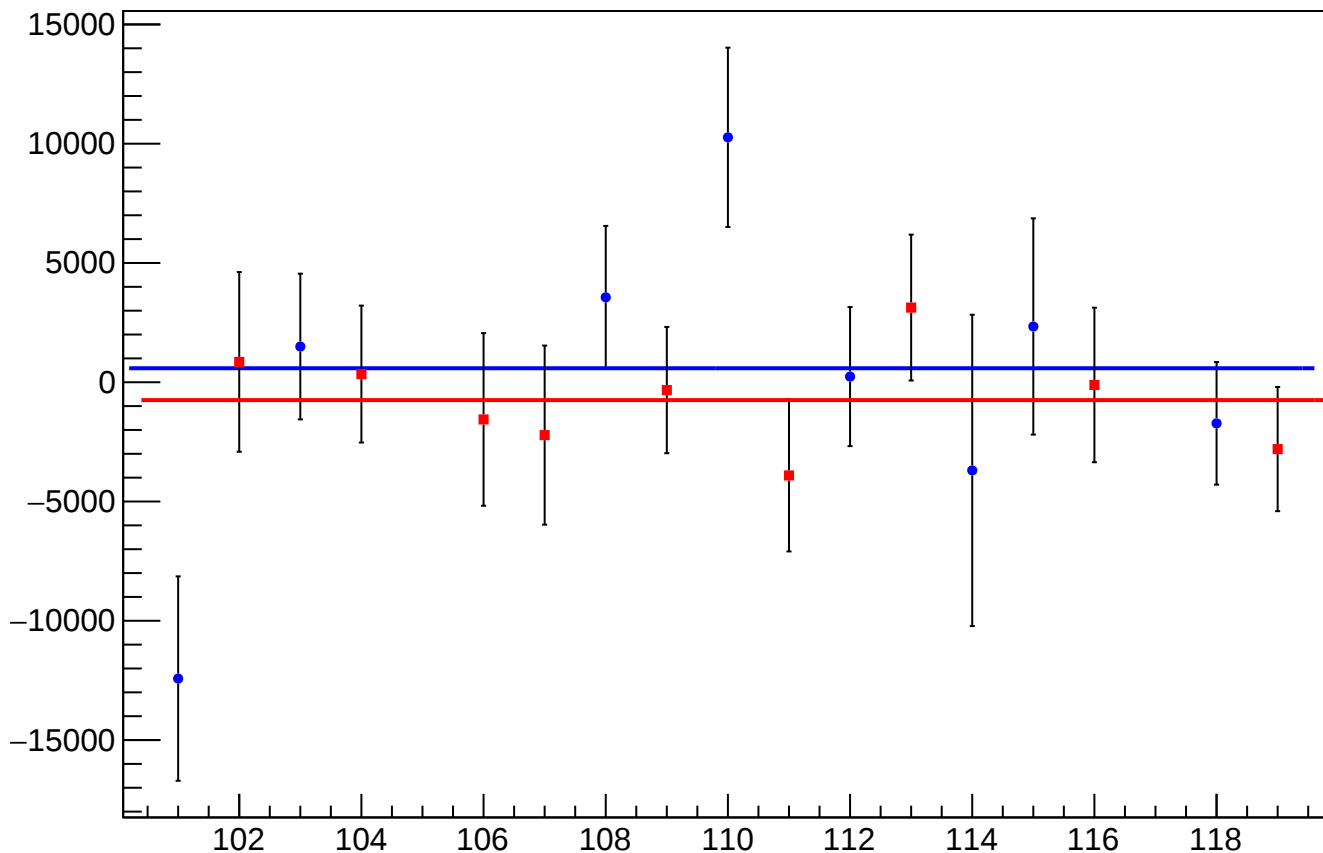
Right: 1311.766+/-0.360  $\chi^2/\text{NDF}$ : 510695.9/16

In: 1279.324+/-0.527  $\chi^2/\text{NDF}$ : 327063.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1311.766+/-0.360  $\chi^2/\text{NDF}$ : 510695.9/16

asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug, Sign Corrected



Right In: 586.724+/-1208.069  $\chi^2/\text{NDF}$ : 18.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -748.744+/-1036.766  $\chi^2/\text{NDF}$ : 3.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

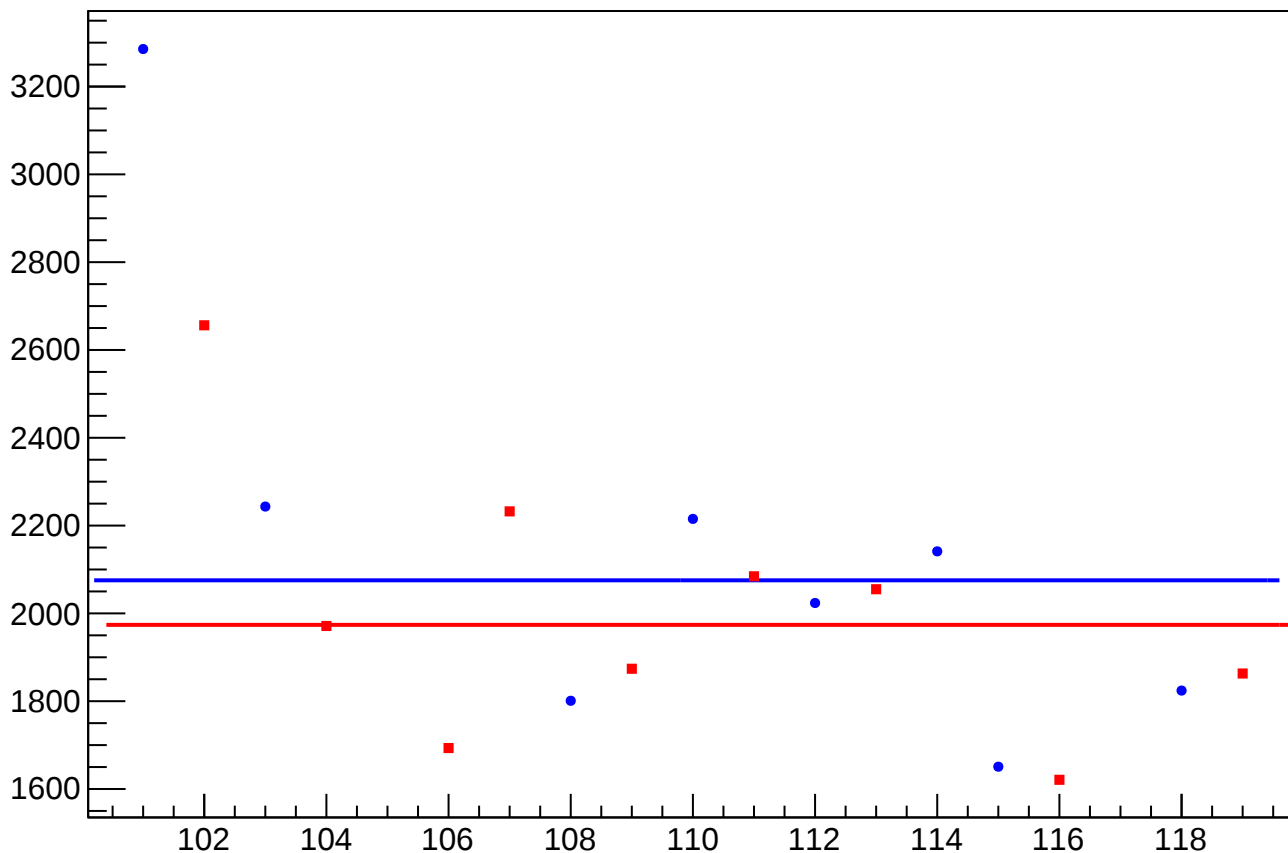
Right: -182.329+/-786.760  $\chi^2/\text{NDF}$ : 22.8/16

In: 586.724+/-1208.069  $\chi^2/\text{NDF}$ : 18.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -182.329+/-786.760  $\chi^2/\text{NDF}$ : 22.8/16

asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug, Sign Corrected



Right In: 2075.320+/-0.854  $\chi^2/\text{NDF}$ : 222609.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1973.868+/-0.733  $\chi^2/\text{NDF}$ : 121152.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

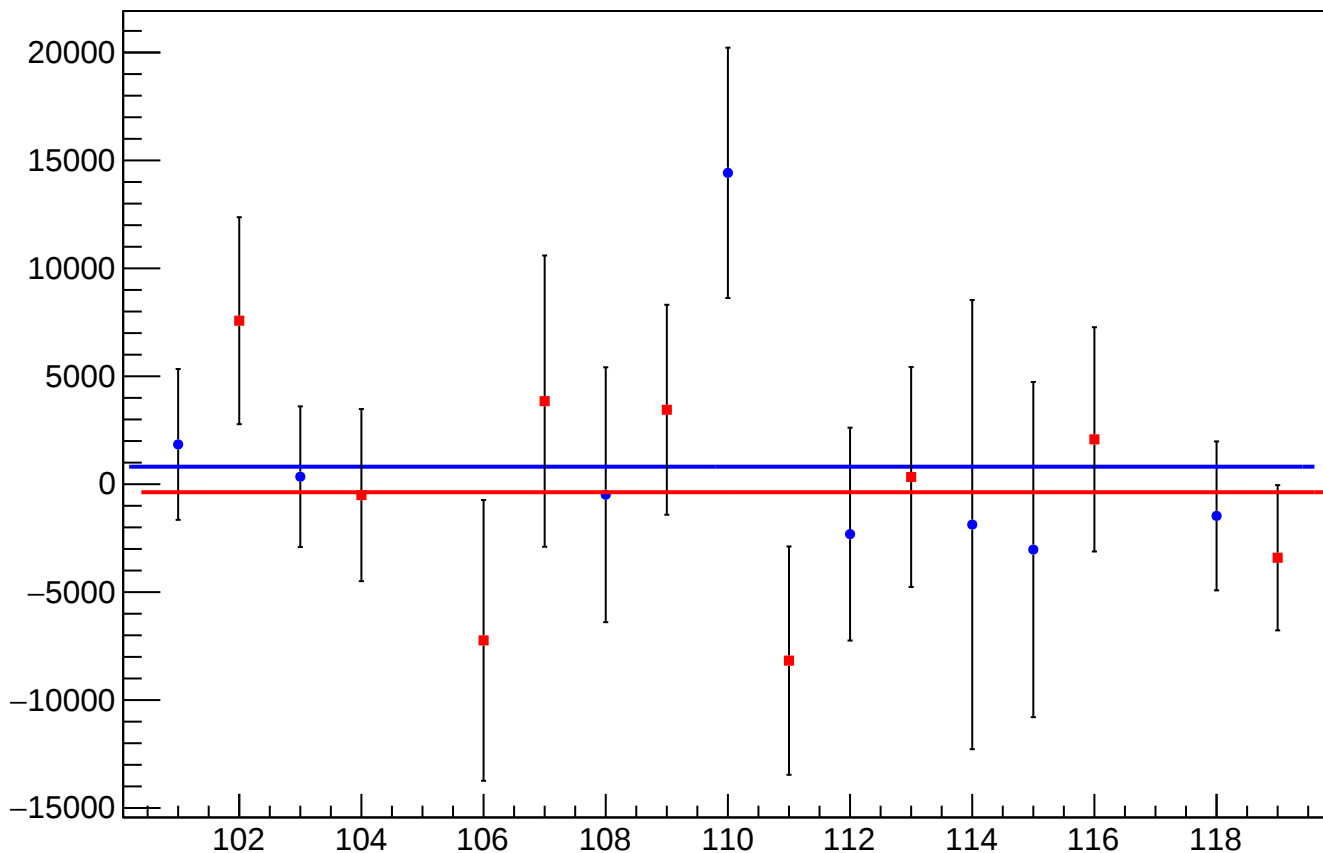
Right: 2016.896+/-0.556  $\chi^2/\text{NDF}$ : 351885.0/16

In: 2075.320+/-0.854  $\chi^2/\text{NDF}$ : 222609.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2016.896+/-0.556  $\chi^2/\text{NDF}$ : 351885.0/16

# dit\_asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 811.657+/-1610.775  $\chi^2/\text{NDF}$ : 6.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -371.410+/-1593.091  $\chi^2/\text{NDF}$ : 8.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

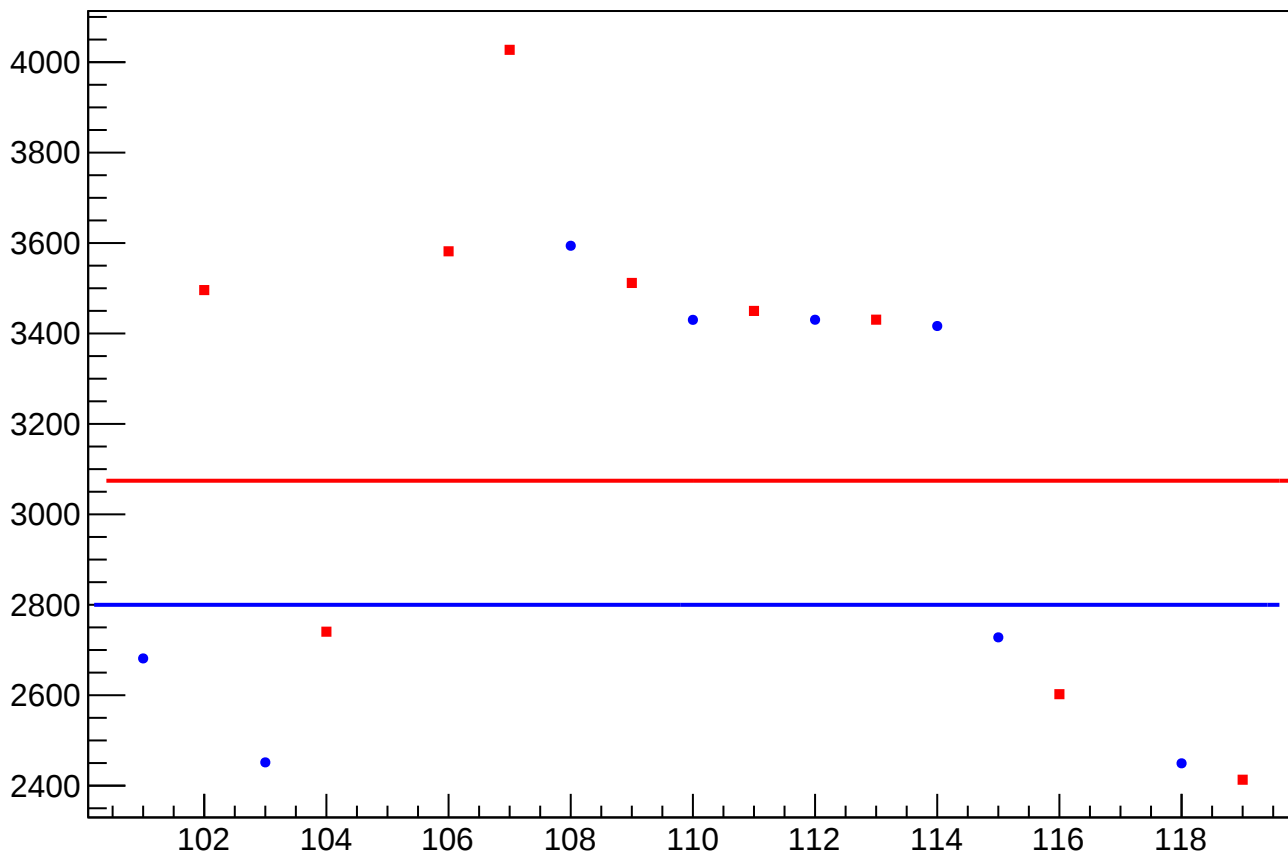
Right: 213.594+/-1132.686  $\chi^2/\text{NDF}$ : 15.2/16

In: 811.657+/-1610.775  $\chi^2/\text{NDF}$ : 6.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 213.594+/-1132.686  $\chi^2/\text{NDF}$ : 15.2/16

# dit\_asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 2799.927+/-1.139  $\chi^2/\text{NDF}$ : 145490.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3074.352+/-1.126  $\chi^2/\text{NDF}$ : 211369.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

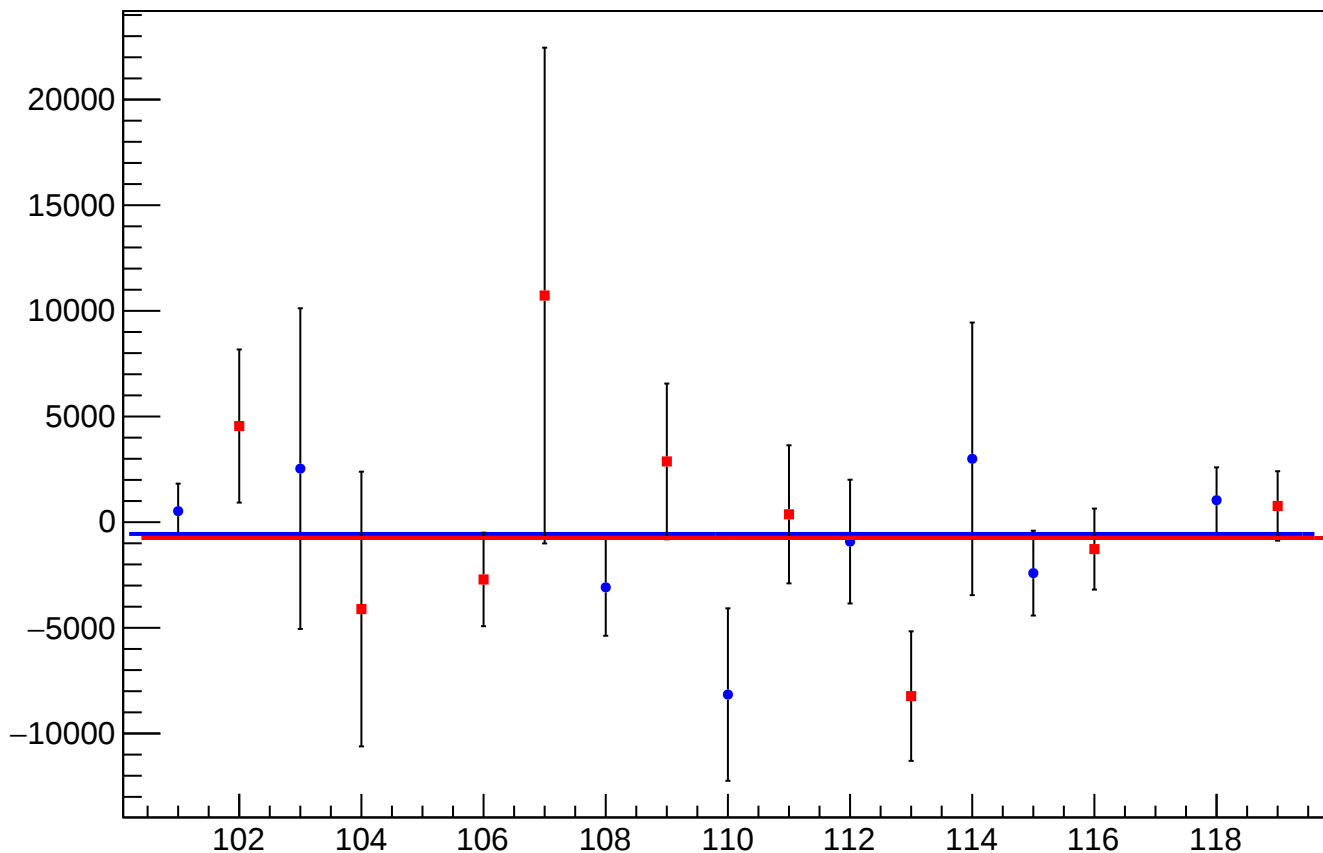
Right: 2938.654+/-0.801  $\chi^2/\text{NDF}$ : 386206.6/16

In: 2799.927+/-1.139  $\chi^2/\text{NDF}$ : 145490.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2938.654+/-0.801  $\chi^2/\text{NDF}$ : 386206.6/16

# asym\_atl1\_correction\_mean vs Slug, Sign Corrected



Right In: -556.669+/-775.510  $\chi^2/\text{NDF}$ : 7.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -748.101+/-902.278  $\chi^2/\text{NDF}$ : 12.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

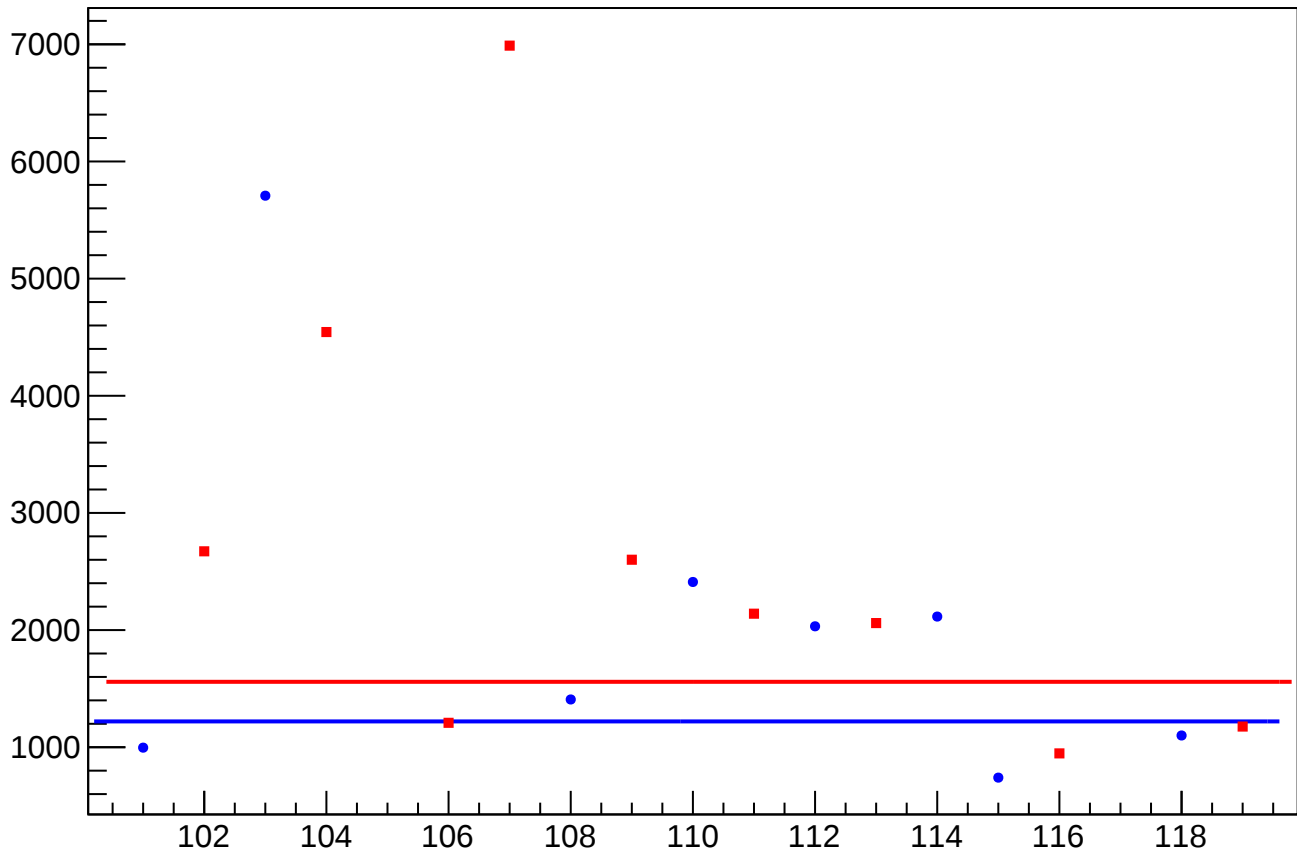
Right: -638.004+/-588.125  $\chi^2/\text{NDF}$ : 19.9/16

In: -556.669+/-775.510  $\chi^2/\text{NDF}$ : 7.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -638.004+/-588.125  $\chi^2/\text{NDF}$ : 19.9/16

# asym\_atl1\_correction\_rms vs Slug, Sign Corrected



Right In: 1220.333+/-0.548  $\chi^2/\text{NDF}$ : 1260860.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1558.422+/-0.638  $\chi^2/\text{NDF}$ : 1677889.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

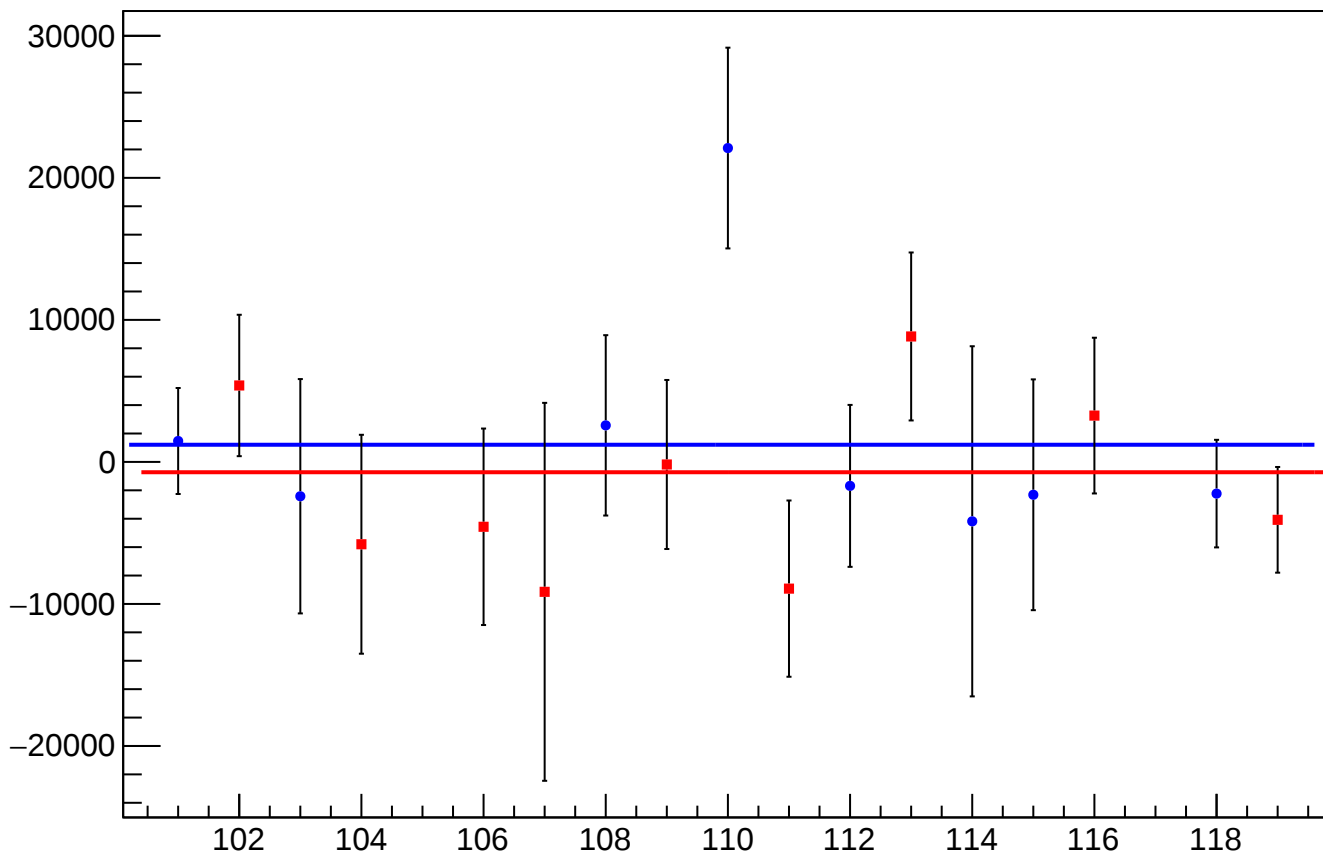
Right: 1363.978+/-0.416  $\chi^2/\text{NDF}$ : 3100250.9/16

In: 1220.333+/-0.548  $\chi^2/\text{NDF}$ : 1260860.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1363.978+/-0.416  $\chi^2/\text{NDF}$ : 3100250.9/16

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 1208.868+/-1985.852  $\chi^2/\text{NDF}$ : 10.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -726.856+/-1917.170  $\chi^2/\text{NDF}$ : 8.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

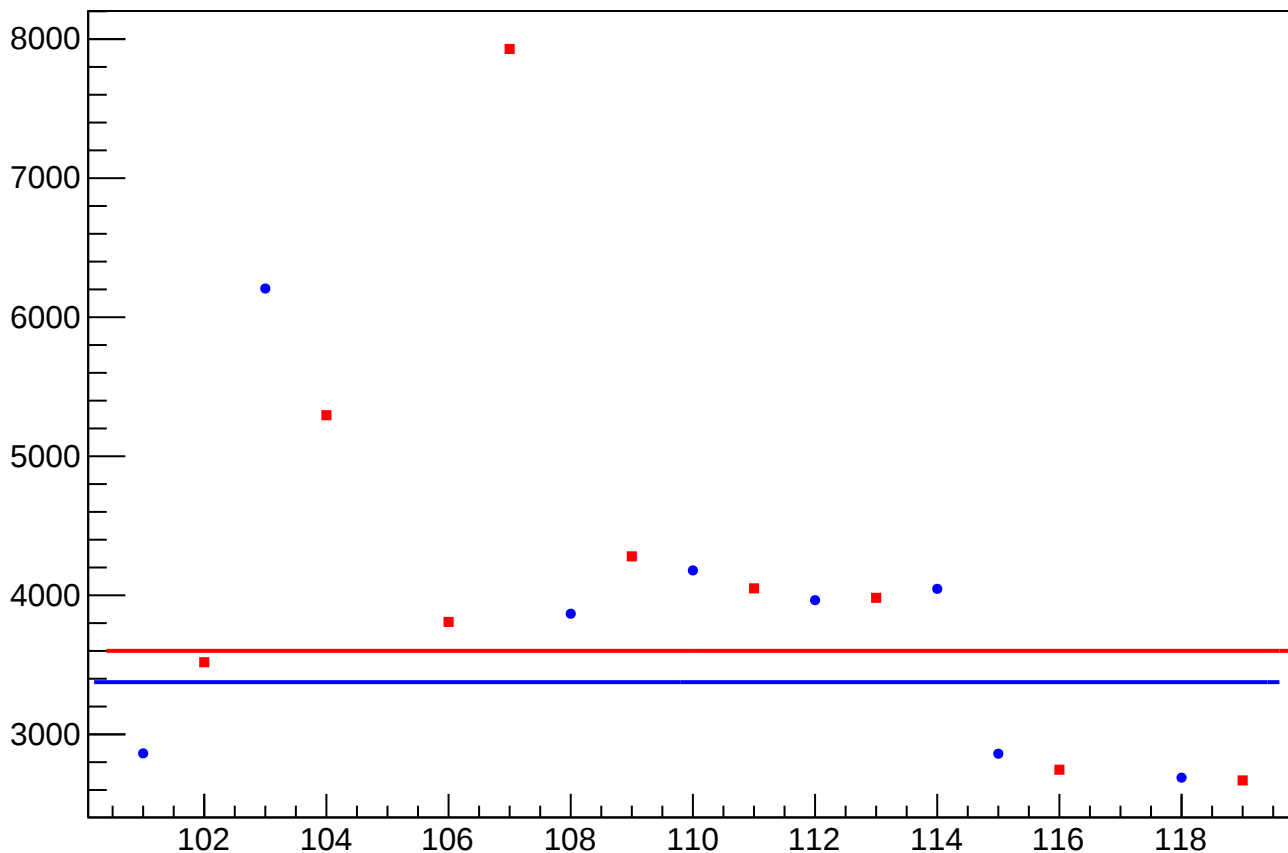
Right: 206.953+/-1379.286  $\chi^2/\text{NDF}$ : 19.3/16

In: 1208.868+/-1985.852  $\chi^2/\text{NDF}$ : 10.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 206.953+/-1379.286  $\chi^2/\text{NDF}$ : 19.3/16

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3375.430+/-1.404  $\chi^2/\text{NDF}$ : 412227.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 3600.767+/-1.356  $\chi^2/\text{NDF}$ : 529727.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

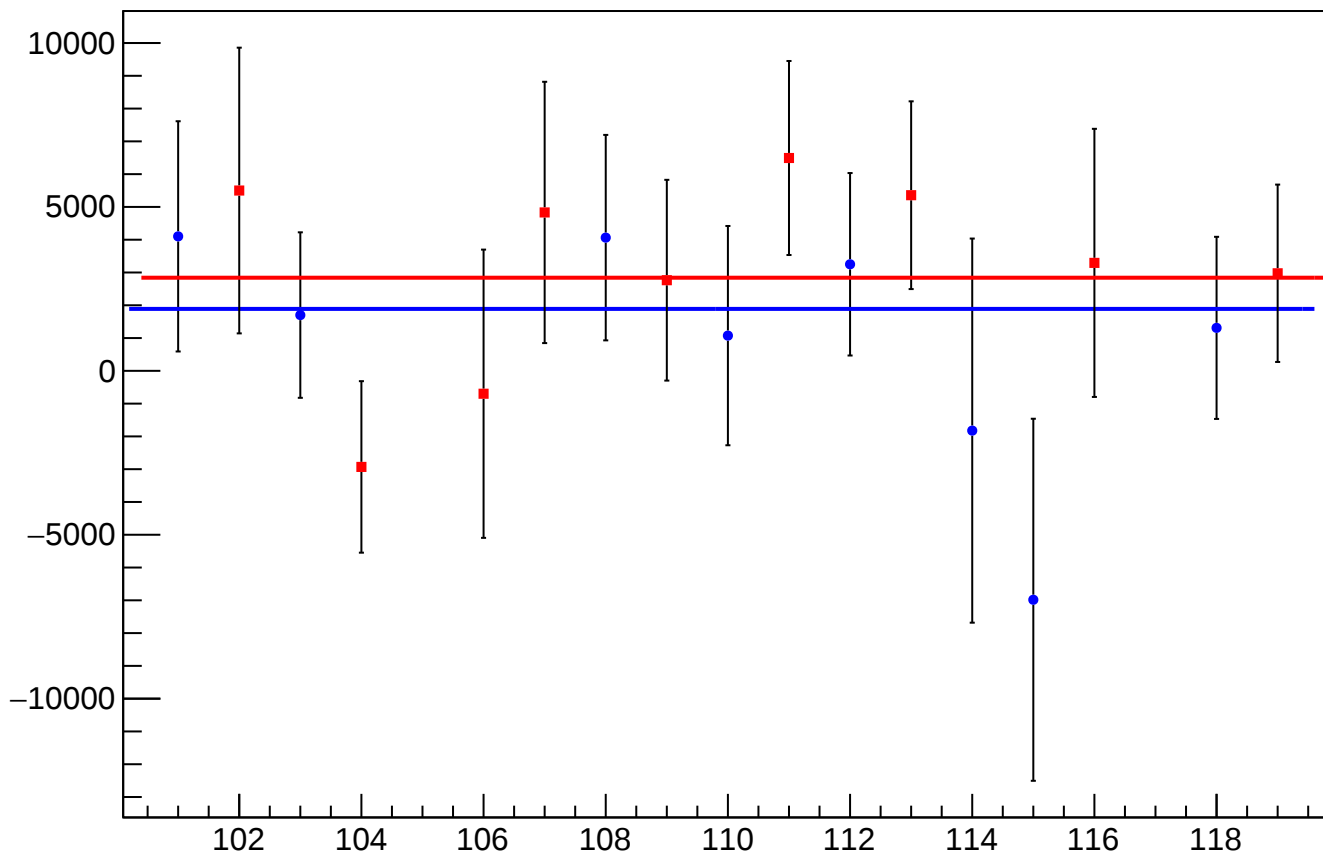
Right: 3492.062+/-0.975  $\chi^2/\text{NDF}$ : 955283.3/16

In: 3375.430+/-1.404  $\chi^2/\text{NDF}$ :412227.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 3492.062+/-0.975  $\chi^2/\text{NDF}$ : 955283.3/16

# dit\_asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 1889.352+/-1154.765  $\chi^2/\text{NDF}$ : 4.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2840.910+/-1082.905  $\chi^2/\text{NDF}$ : 8.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

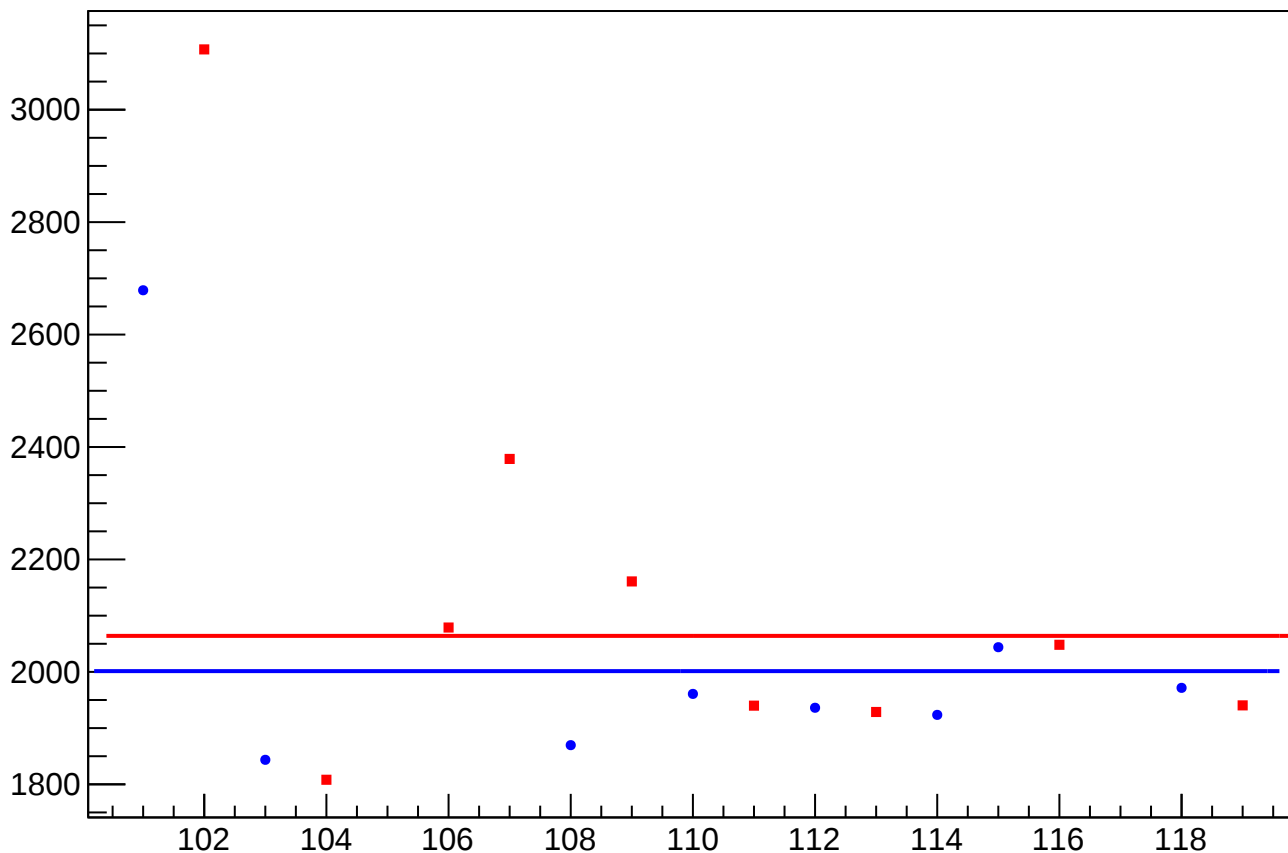
Right: 2395.658+/-789.913  $\chi^2/\text{NDF}$ : 13.0/16

In: 1889.352+/-1154.765  $\chi^2/\text{NDF}$ : 4.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2395.658+/-789.913  $\chi^2/\text{NDF}$ : 13.0/16

# dit\_asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 2001.365 $\pm$ 0.817  $\chi^2/\text{NDF}$ : 87864.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2064.049 $\pm$ 0.764  $\chi^2/\text{NDF}$ : 160470.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

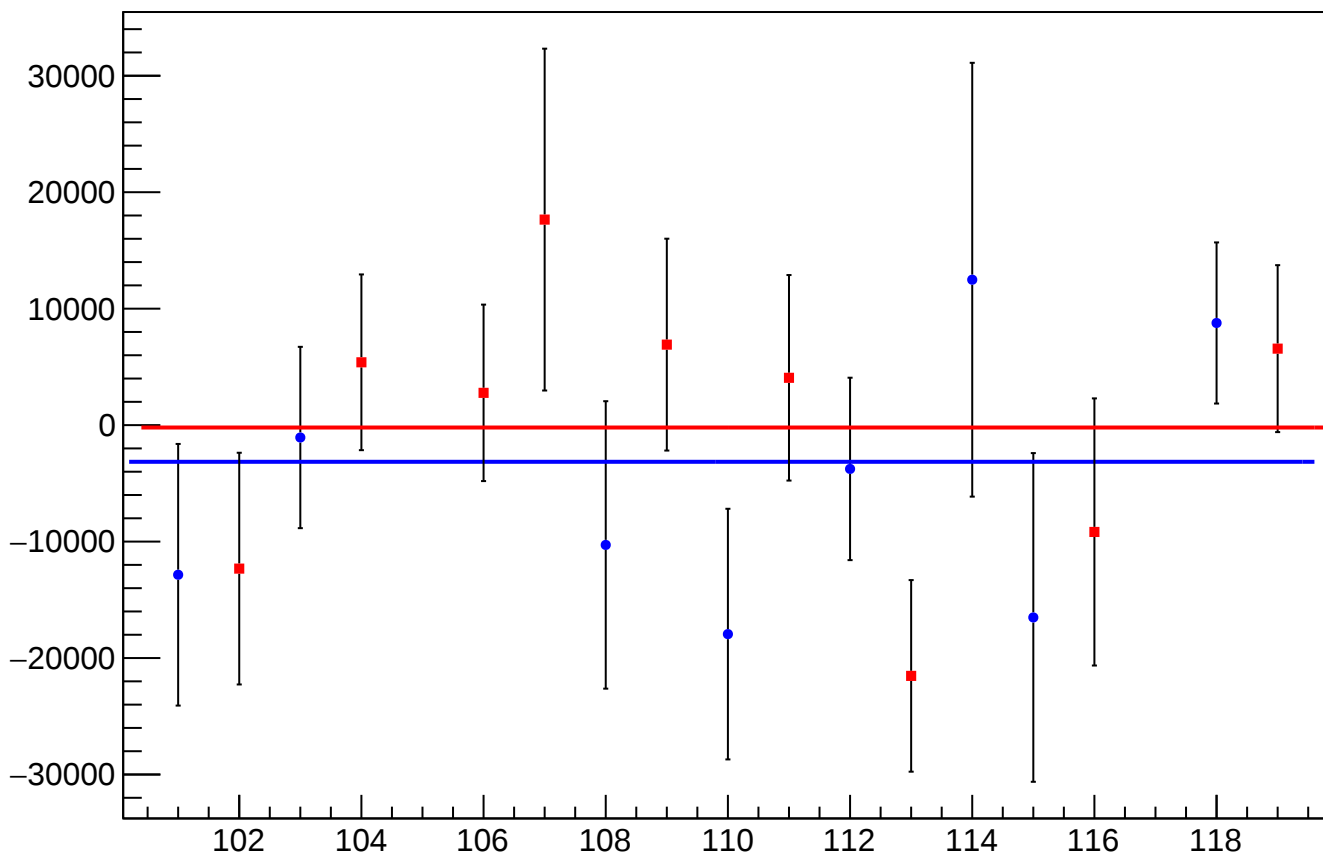
Right: 2034.799 $\pm$ 0.558  $\chi^2/\text{NDF}$ : 251477.7/16

In: 2001.365 $\pm$ 0.817  $\chi^2/\text{NDF}$ : 87864.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2034.799 $\pm$ 0.558  $\chi^2/\text{NDF}$ : 251477.7/16

asym\_atl2\_correction\_mean vs Slug, Sign Corrected



Right In: -3148.295+/-3435.269  $\chi^2/\text{NDF}$ : 7.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -204.716+/-2929.647  $\chi^2/\text{NDF}$ : 12.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

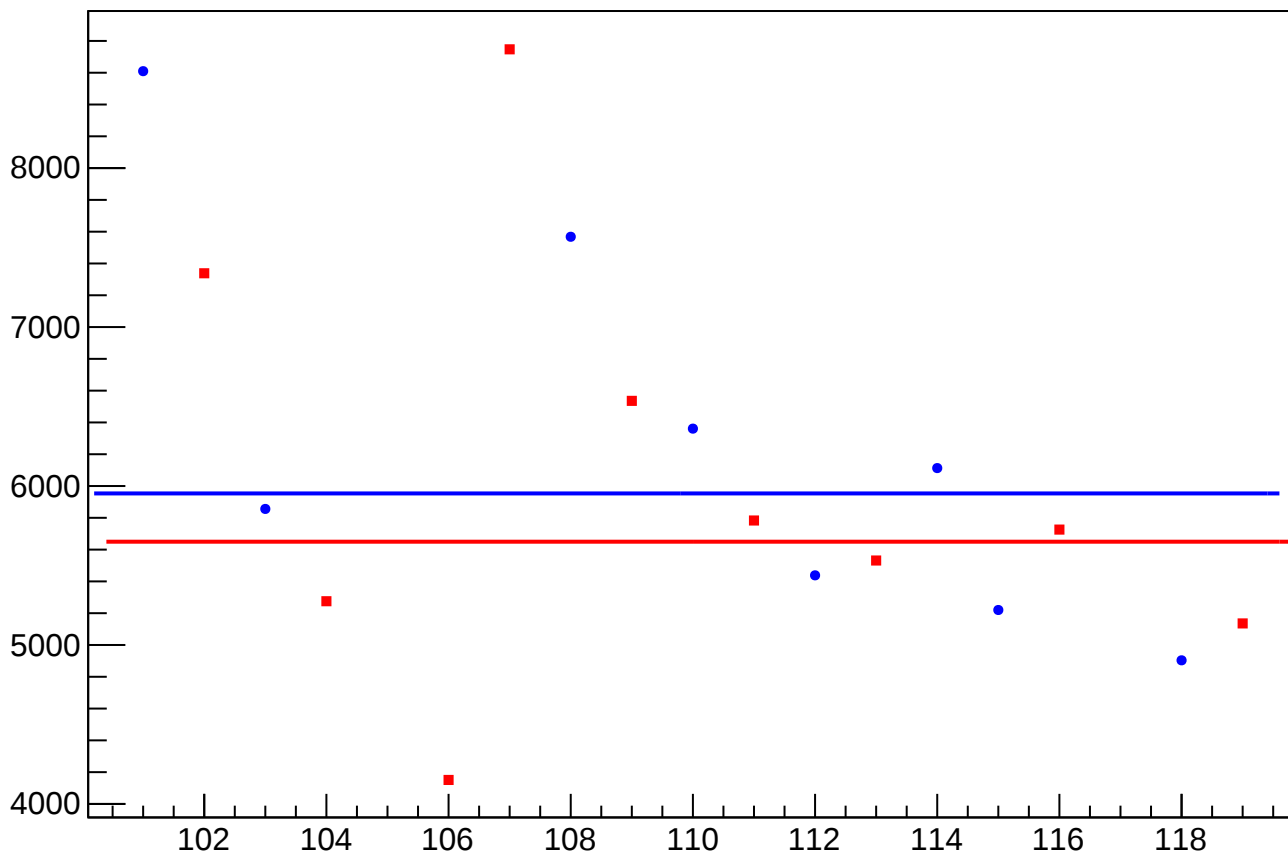
Right: -1444.137+/-2229.114  $\chi^2/\text{NDF}$ : 20.8/16

In: -3148.295+/-3435.269  $\chi^2/\text{NDF}$ : 7.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1444.137+/-2229.114  $\chi^2/\text{NDF}$ : 20.8/16

# asym\_atl2\_correction\_rms vs Slug, Sign Corrected



Right In: 5953.393+/-2.429  $\chi^2/\text{NDF}$ : 209538.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5649.749+/-2.072  $\chi^2/\text{NDF}$ : 260137.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

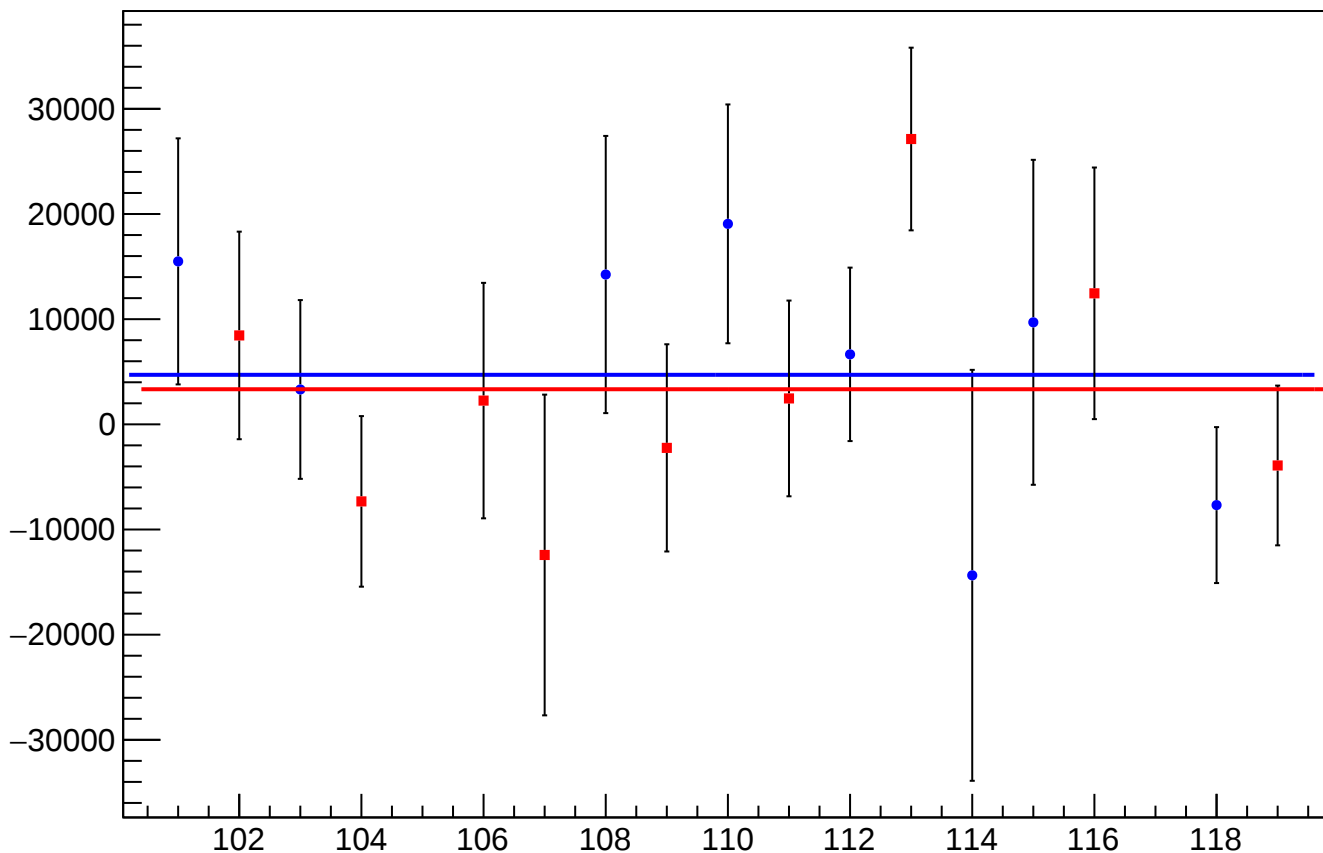
Right: 5777.601+/-1.576  $\chi^2/\text{NDF}$ : 478721.9/16

In: 5953.393+/-2.429  $\chi^2/\text{NDF}$ : 209538.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5777.601+/-1.576  $\chi^2/\text{NDF}$ : 478721.9/16

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 4709.240+/-3666.971  $\chi^2/\text{NDF}$ : 6.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3337.362+/-3207.813  $\chi^2/\text{NDF}$ : 12.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

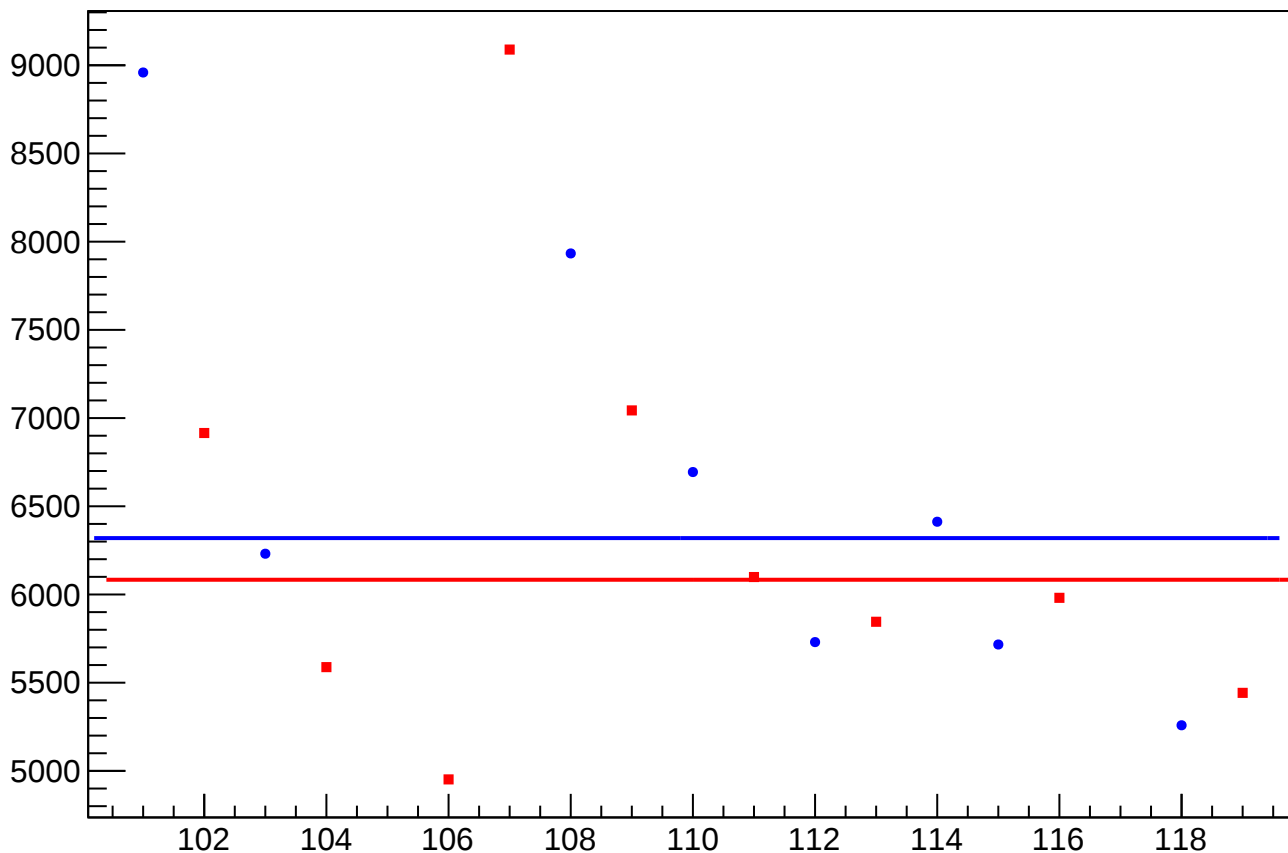
Right: 3932.082+/-2414.382  $\chi^2/\text{NDF}$ : 19.4/16

In: 4709.240+/-3666.971  $\chi^2/\text{NDF}$ : 6.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3932.082+/-2414.382  $\chi^2/\text{NDF}$ : 19.4/16

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 6319.666+/-2.593  $\chi^2/\text{NDF}$ : 188449.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6083.531+/-2.268  $\chi^2/\text{NDF}$ : 154721.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

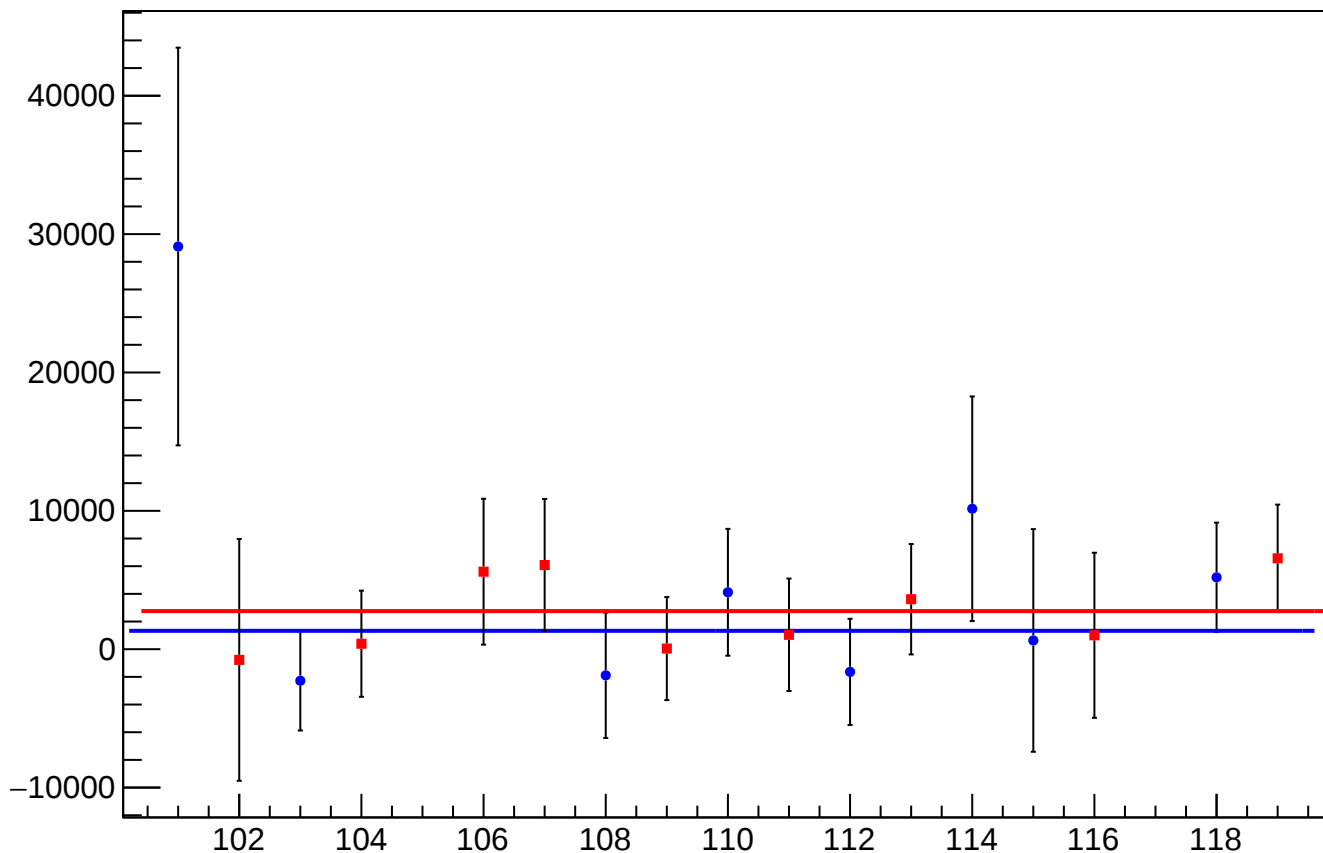
Right: 6185.889+/-1.707  $\chi^2/\text{NDF}$ : 347869.5/16

In: 6319.666+/-2.593  $\chi^2/\text{NDF}$ : 188449.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6185.889+/-1.707  $\chi^2/\text{NDF}$ : 347869.5/16

# dit\_asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1328.684+/-1712.093  $\chi^2/\text{NDF}$ : 8.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2755.387+/-1489.190  $\chi^2/\text{NDF}$ : 3.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

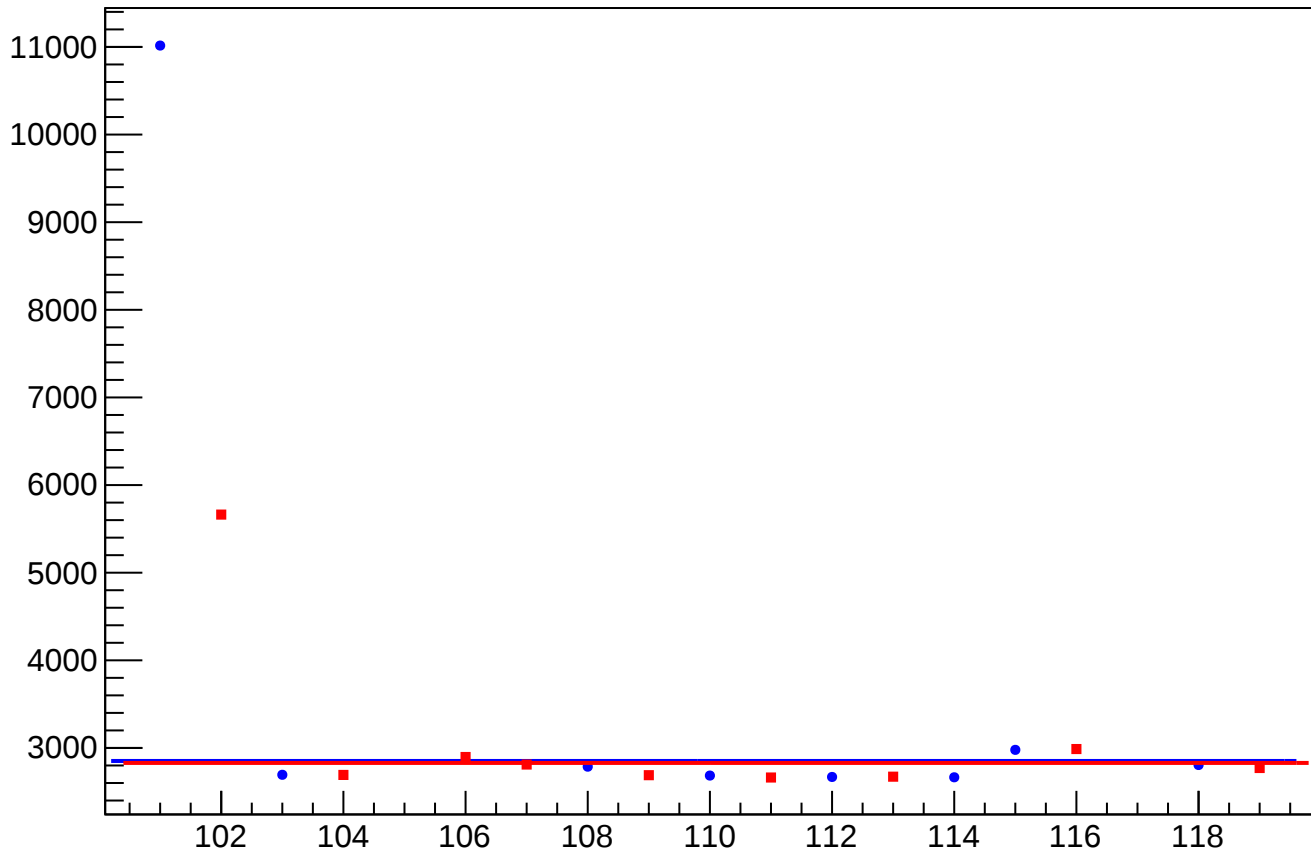
Right: 2140.896+/-1123.616  $\chi^2/\text{NDF}$ : 11.9/16

In: 1328.684+/-1712.093  $\chi^2/\text{NDF}$ : 8.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2140.896+/-1123.616  $\chi^2/\text{NDF}$ : 11.9/16

# dit\_asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2851.480+/-1.211  $\chi^2/\text{NDF}$ : 658743.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2829.094+/-1.053  $\chi^2/\text{NDF}$ : 224446.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

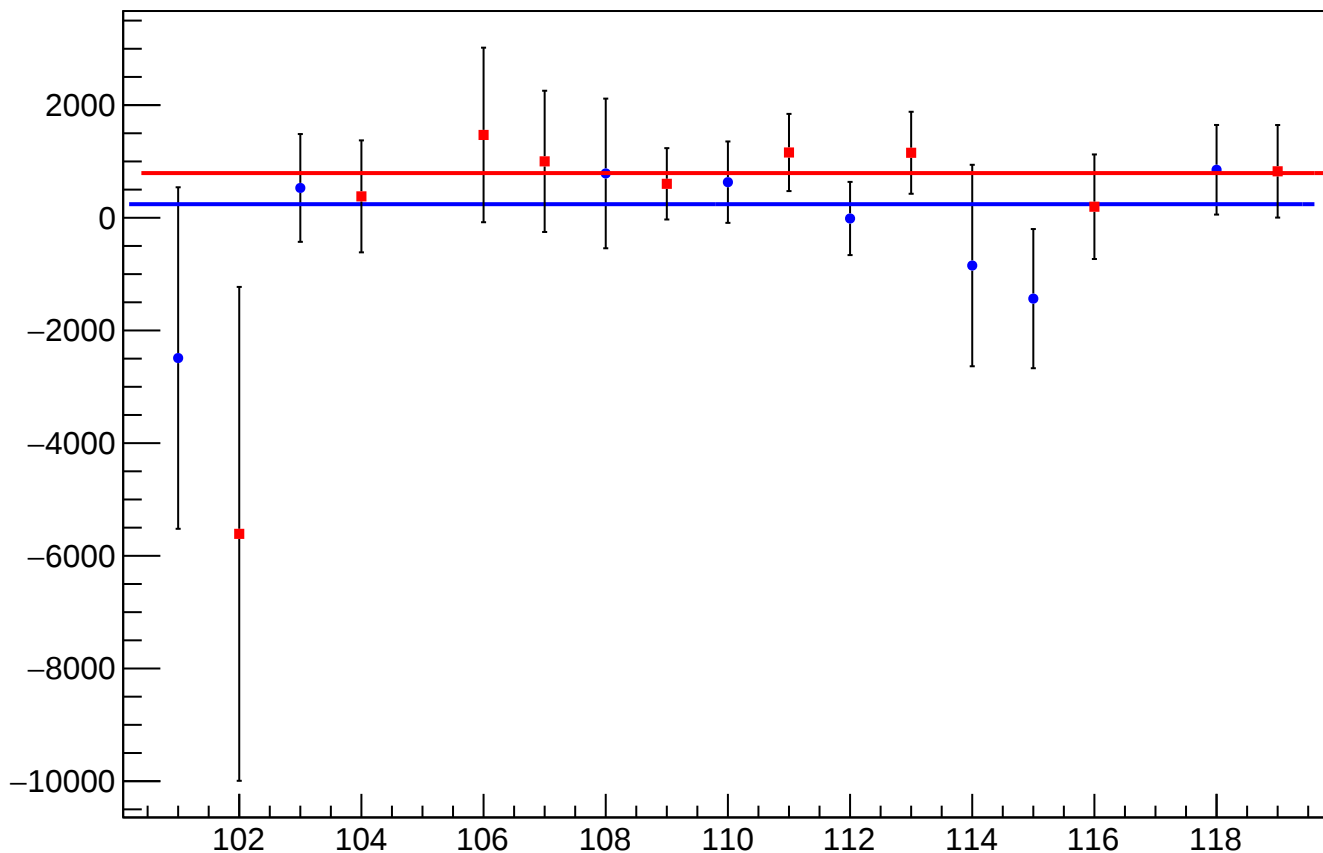
Right: 2838.736+/-0.795  $\chi^2/\text{NDF}$ : 883385.0/16

In: 2851.480+/-1.211  $\chi^2/\text{NDF}$ : 658743.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2838.736+/-0.795  $\chi^2/\text{NDF}$ : 883385.0/16

# asym\_atr1\_correction\_mean vs Slug, Sign Corrected



Right In: 241.397+/-340.927  $\chi^2/\text{NDF}$ : 4.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 793.431+/-297.811  $\chi^2/\text{NDF}$ : 3.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

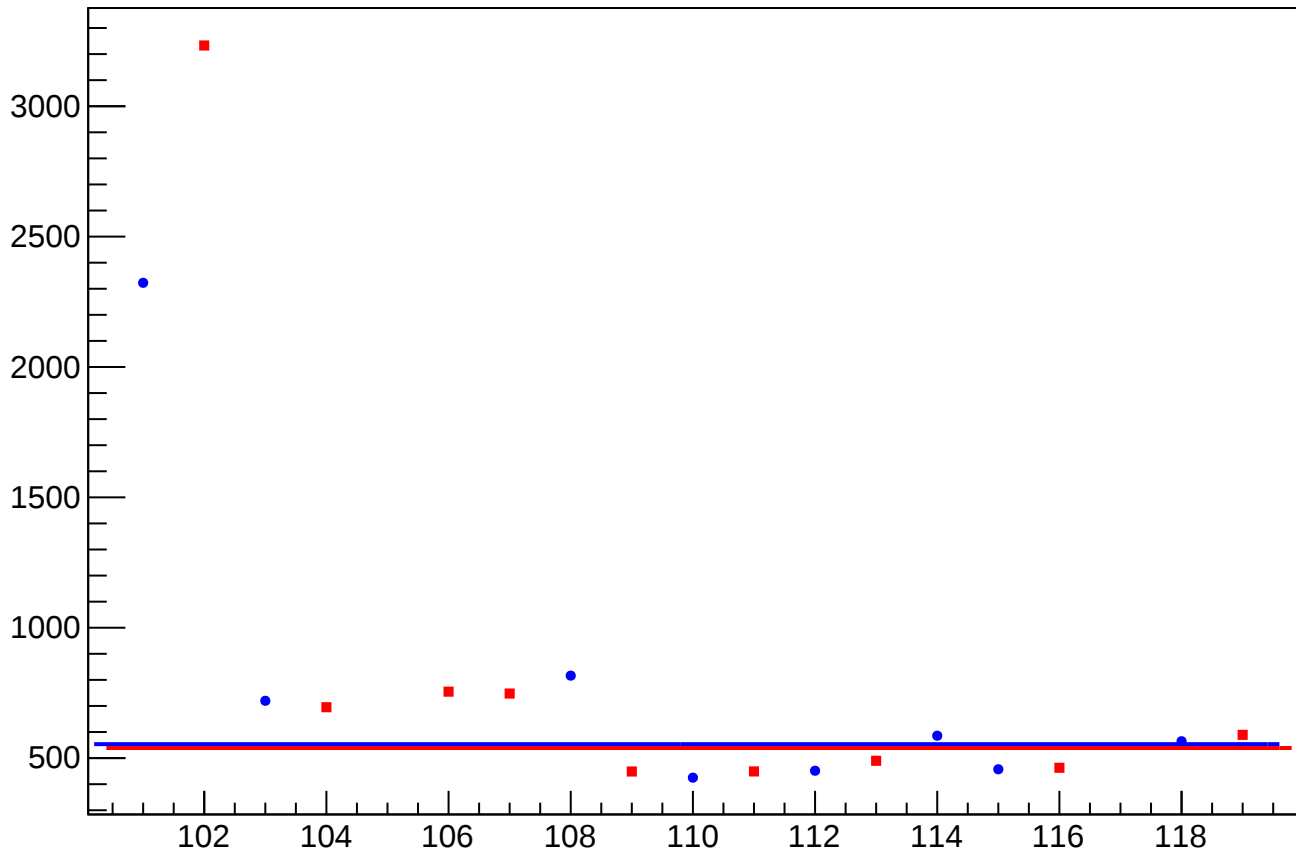
Right: 554.508+/-224.289  $\chi^2/\text{NDF}$ : 9.4/16

In: 241.397+/-340.927  $\chi^2/\text{NDF}$ : 4.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 554.508+/-224.289  $\chi^2/\text{NDF}$ : 9.4/16

# asym\_atr1\_correction\_rms vs Slug, Sign Corrected



Right In: 553.521+/-0.241  $\chi^2/\text{NDF}$ : 946039.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 538.680+/-0.211  $\chi^2/\text{NDF}$ : 1004594.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

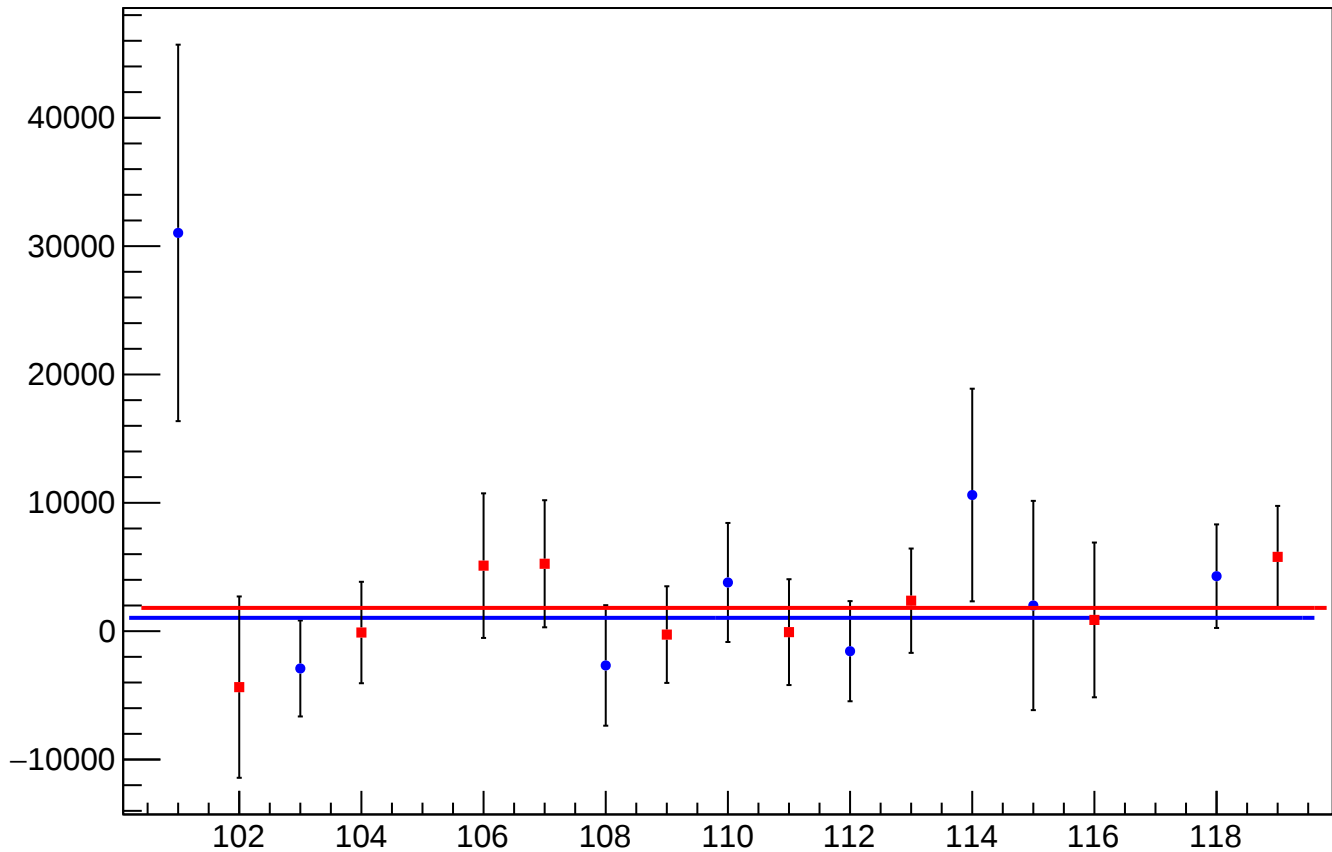
Right: 545.104+/-0.159  $\chi^2/\text{NDF}$ : 1952783.6/16

In: 553.521+/-0.241  $\chi^2/\text{NDF}$ : 946039.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 545.104+/-0.159  $\chi^2/\text{NDF}$ : 1952783.6/16

# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1038.480+/-1754.776  $\chi^2/\text{NDF}$ : 8.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1813.281+/-1512.377  $\chi^2/\text{NDF}$ : 3.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

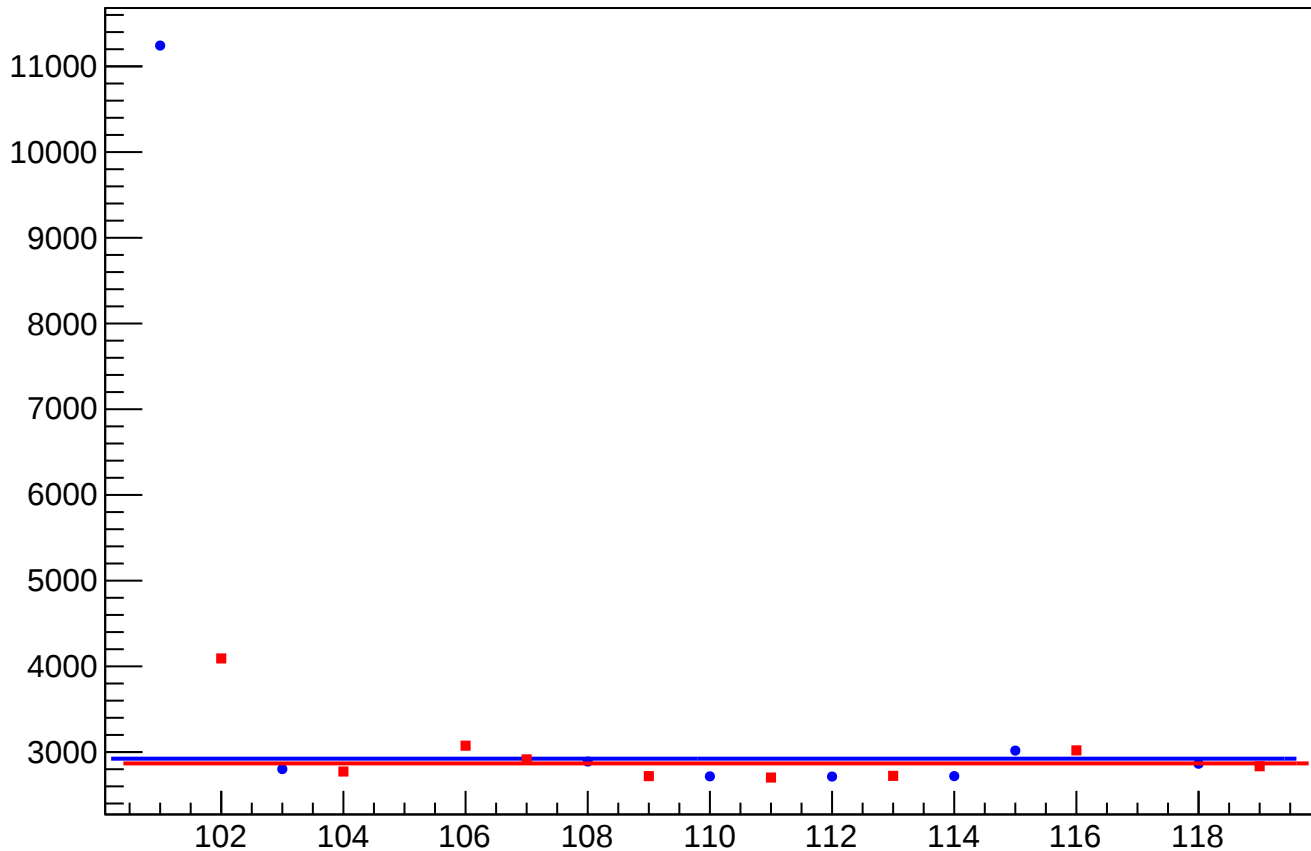
Right: 1483.050+/-1145.606  $\chi^2/\text{NDF}$ : 12.2/16

In: 1038.480+/-1754.776  $\chi^2/\text{NDF}$ : 8.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1483.050+/-1145.606  $\chi^2/\text{NDF}$ : 12.2/16

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2923.094+/-1.241  $\chi^2/\text{NDF}$ : 657385.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2867.925+/-1.069  $\chi^2/\text{NDF}$ : 74412.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

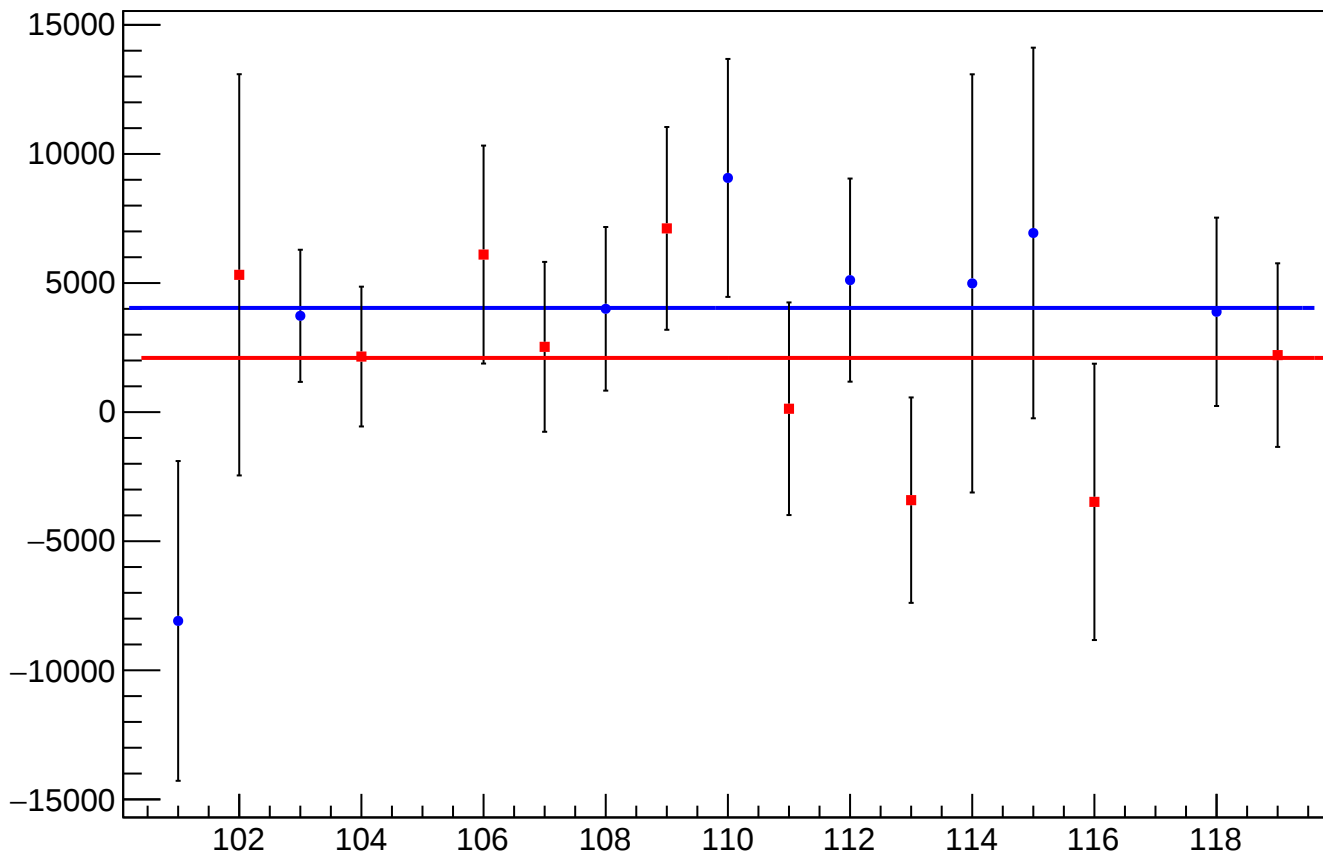
Right: 2891.439+/-0.810  $\chi^2/\text{NDF}$ : 732932.4/16

In: 2923.094+/-1.241  $\chi^2/\text{NDF}$ : 657385.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2891.439+/-0.810  $\chi^2/\text{NDF}$ : 732932.4/16

# dit\_asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 4036.193+/-1414.531  $\chi^2/\text{NDF}$ : 5.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2099.624+/-1288.392  $\chi^2/\text{NDF}$ : 6.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

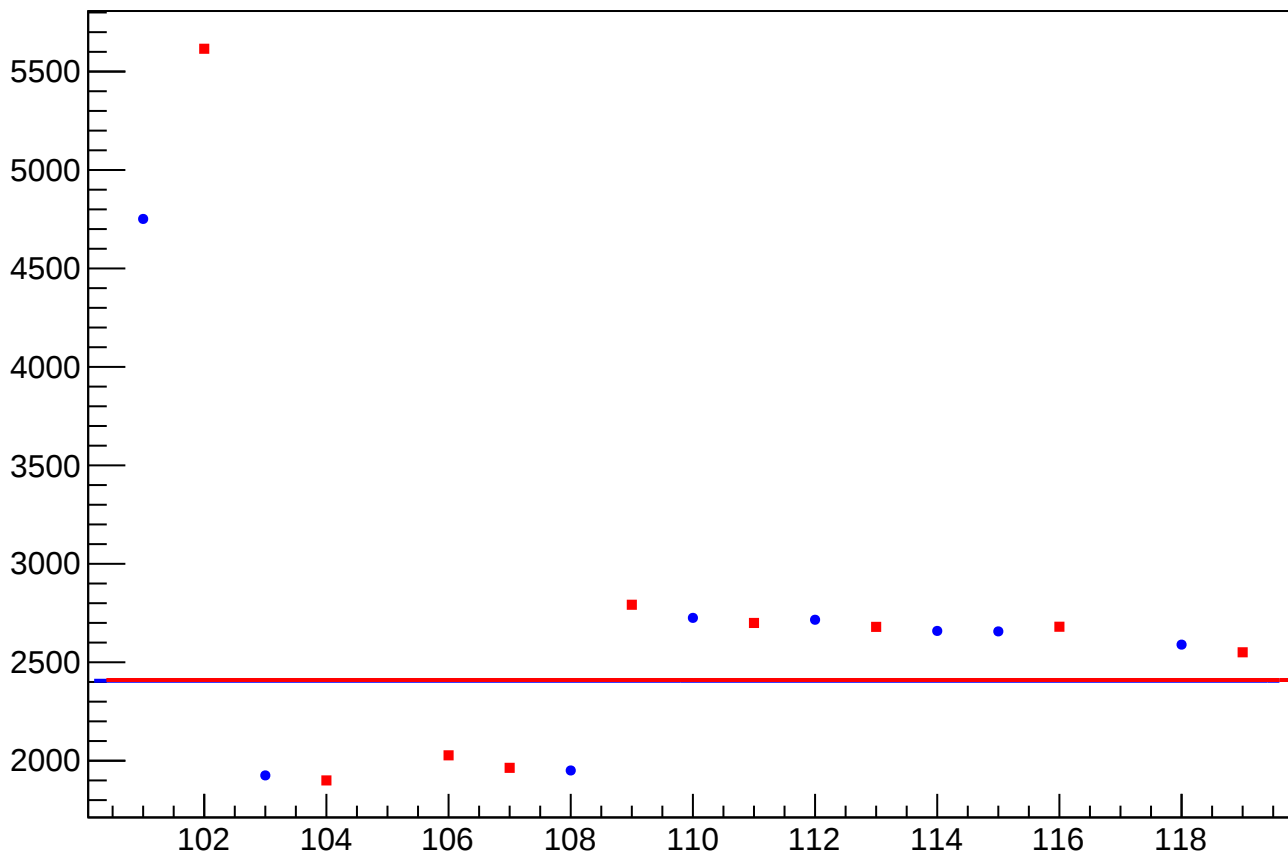
Right: 2977.731+/-952.510  $\chi^2/\text{NDF}$ : 12.3/16

In: 4036.193+/-1414.531  $\chi^2/\text{NDF}$ : 5.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2977.731+/-952.510  $\chi^2/\text{NDF}$ : 12.3/16

# dit\_asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 2406.108+/-1.000  $\chi^2/\text{NDF}$ : 430178.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2410.014+/-0.910  $\chi^2/\text{NDF}$ : 511034.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

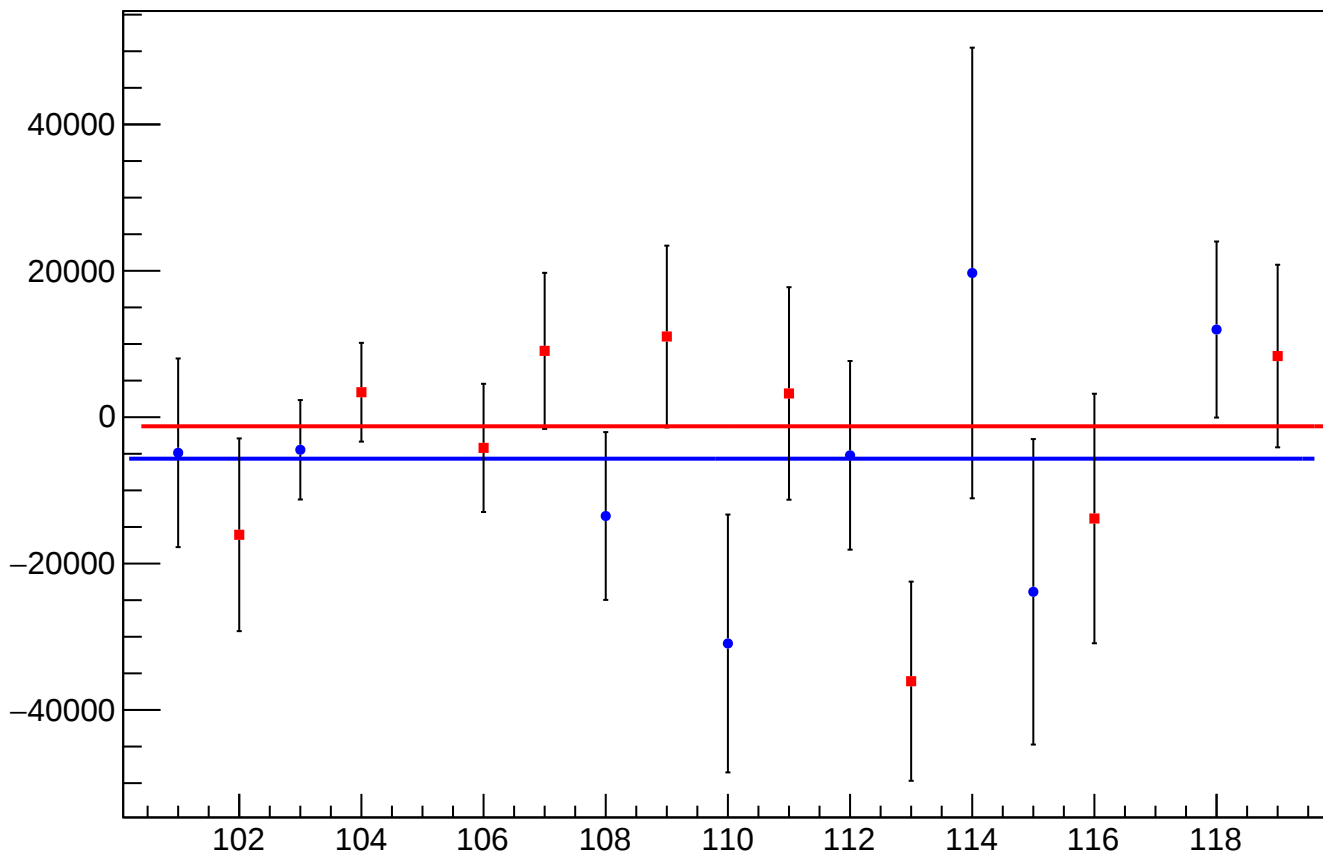
Right: 2408.244+/-0.673  $\chi^2/\text{NDF}$ : 941221.6/16

In: 2406.108+/-1.000  $\chi^2/\text{NDF}$ : 430178.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2408.244+/-0.673  $\chi^2/\text{NDF}$ : 941221.6/16

asym\_atr2\_correction\_mean vs Slug, Sign Corrected



Right In: -5668.791+/-4271.208  $\chi^2/\text{NDF}$ : 6.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1243.174+/-3625.734  $\chi^2/\text{NDF}$ : 11.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

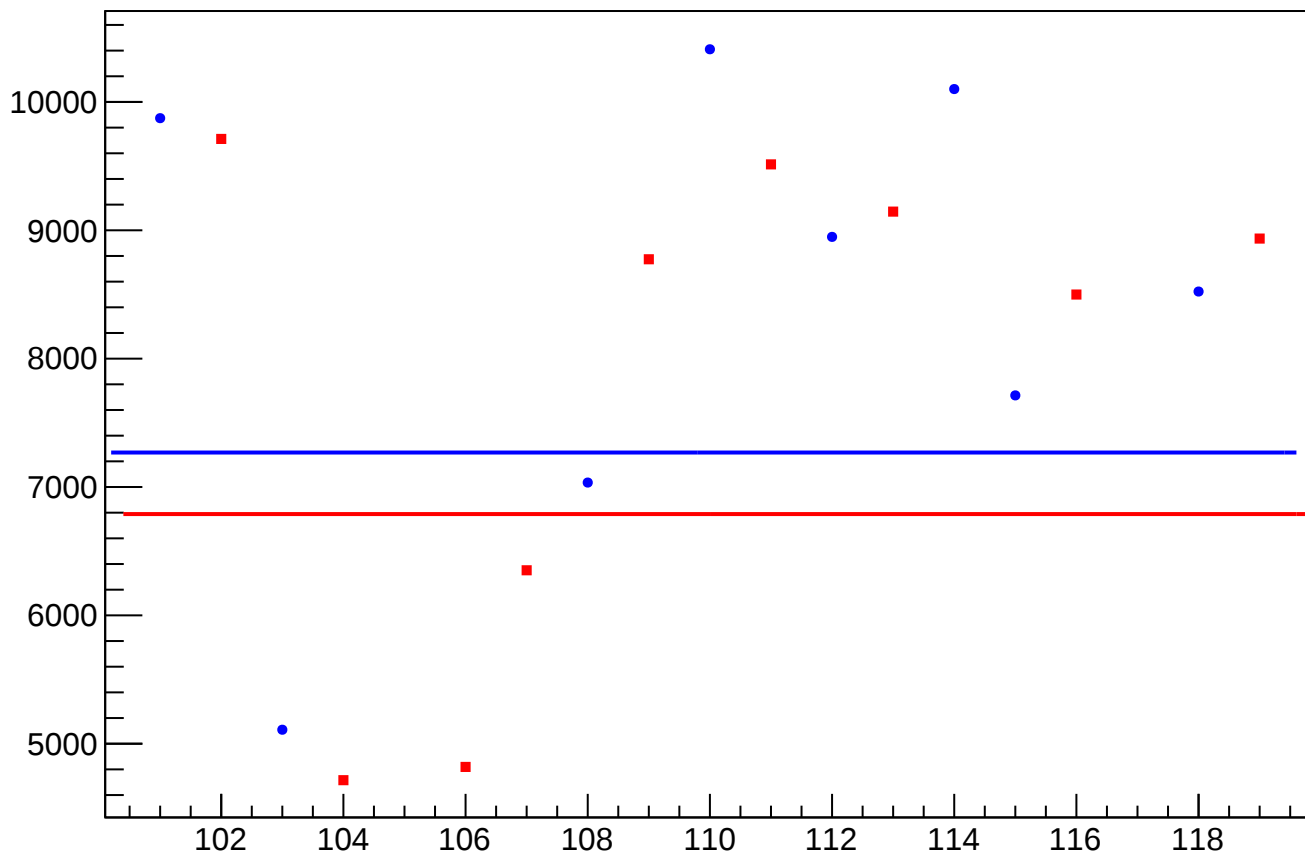
Right: -3096.646+/-2764.119  $\chi^2/\text{NDF}$ : 18.3/16

In: -5668.791+/-4271.208  $\chi^2/\text{NDF}$ : 6.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3096.646+/-2764.119  $\chi^2/\text{NDF}$ : 18.3/16

# asym\_atr2\_correction\_rms vs Slug, Sign Corrected



Right In: 7268.631+/-3.020  $\chi^2/\text{NDF}$ : 421944.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 6789.155+/-2.564  $\chi^2/\text{NDF}$ : 652857.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

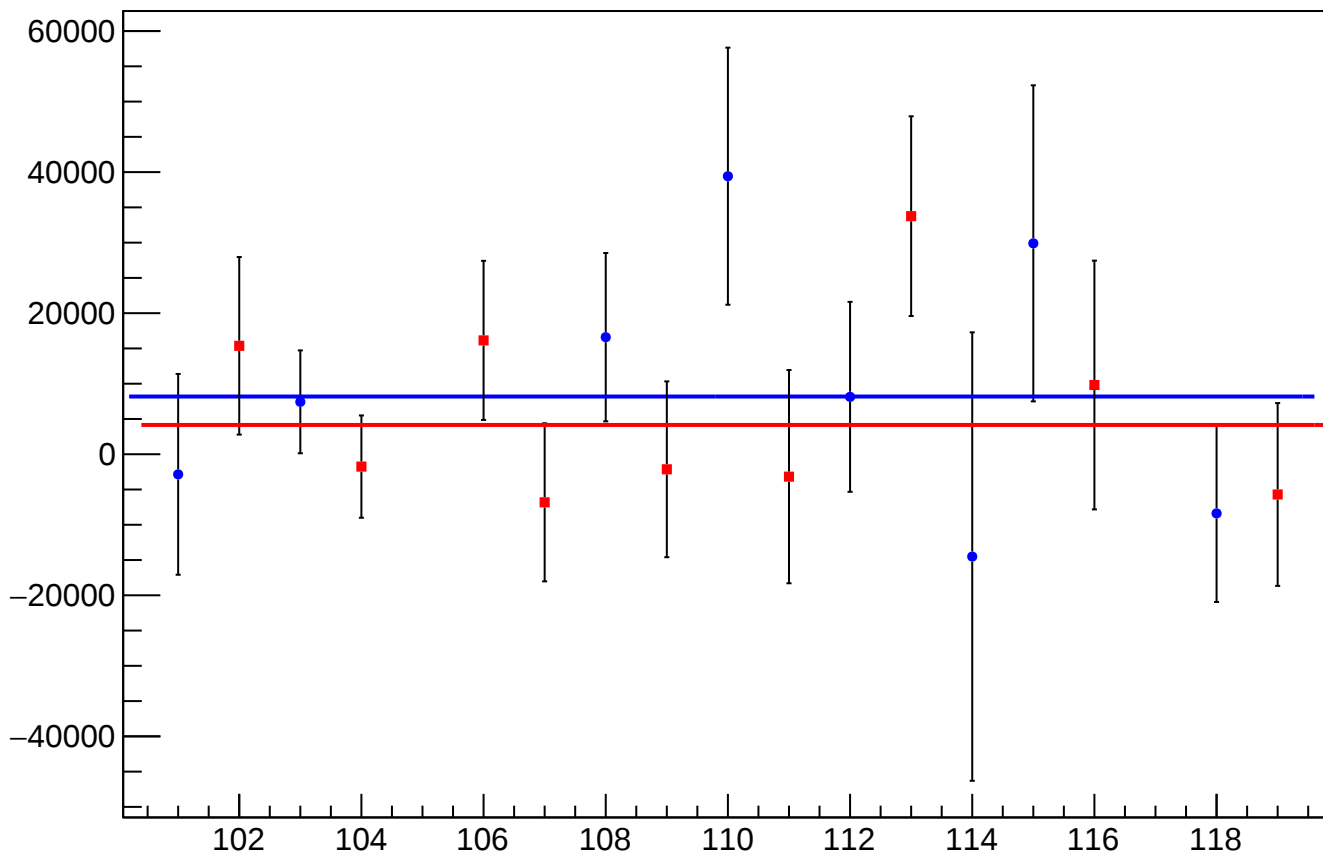
Right: 6989.962+/-1.955  $\chi^2/\text{NDF}$ : 1089450.1/16

In: 7268.631+/-3.020  $\chi^2/\text{NDF}$ :421944.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 6989.962+/-1.955  $\chi^2/\text{NDF}$ : 1089450.1/16

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 8183.755+/-4535.717  $\chi^2/\text{NDF}$ : 7.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4152.440+/-3889.250  $\chi^2/\text{NDF}$ : 9.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

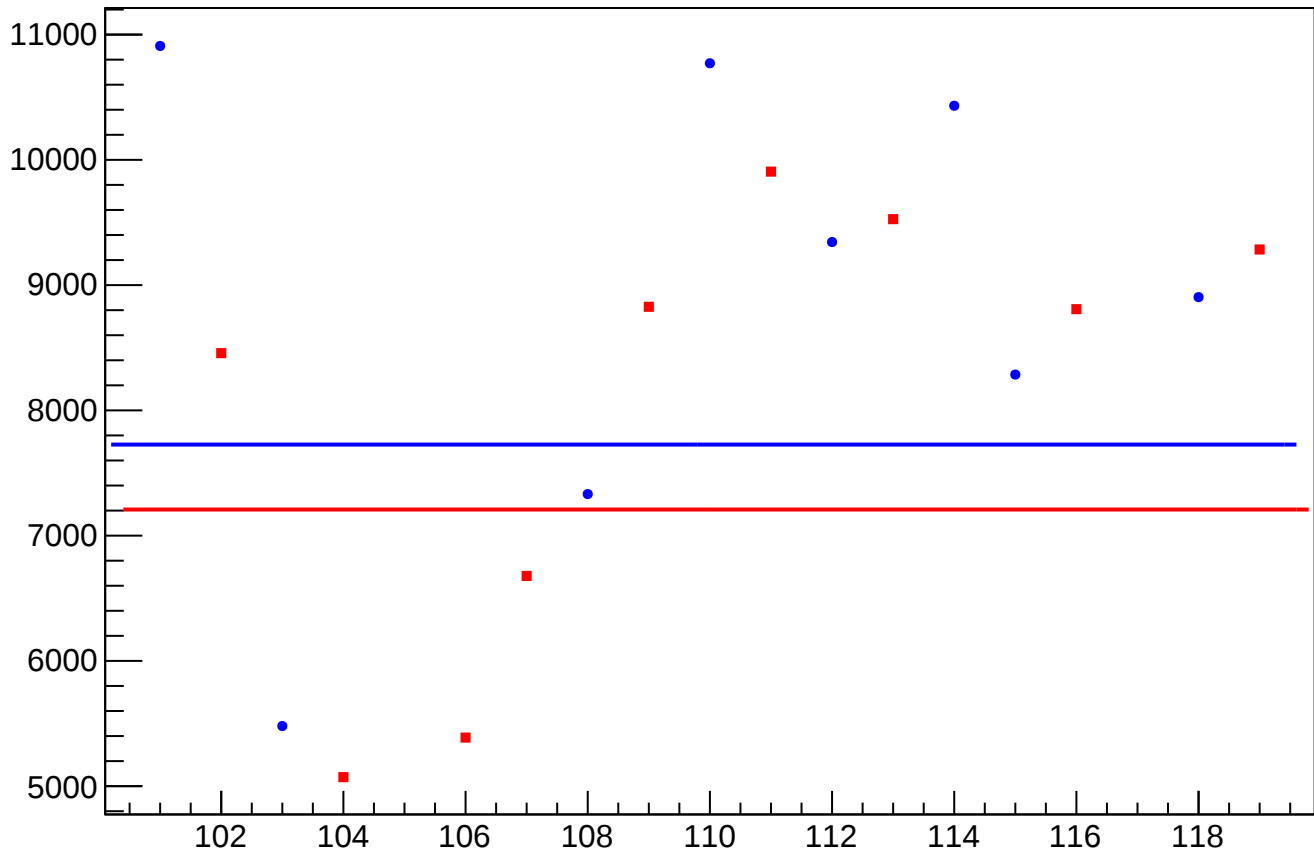
Right: 5860.576+/-2952.459  $\chi^2/\text{NDF}$ : 16.8/16

In: 8183.755+/-4535.717  $\chi^2/\text{NDF}$ : 7.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5860.576+/-2952.459  $\chi^2/\text{NDF}$ : 16.8/16

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 7727.072+/-3.207  $\chi^2/\text{NDF}$ : 409989.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7208.591+/-2.750  $\chi^2/\text{NDF}$ : 468646.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

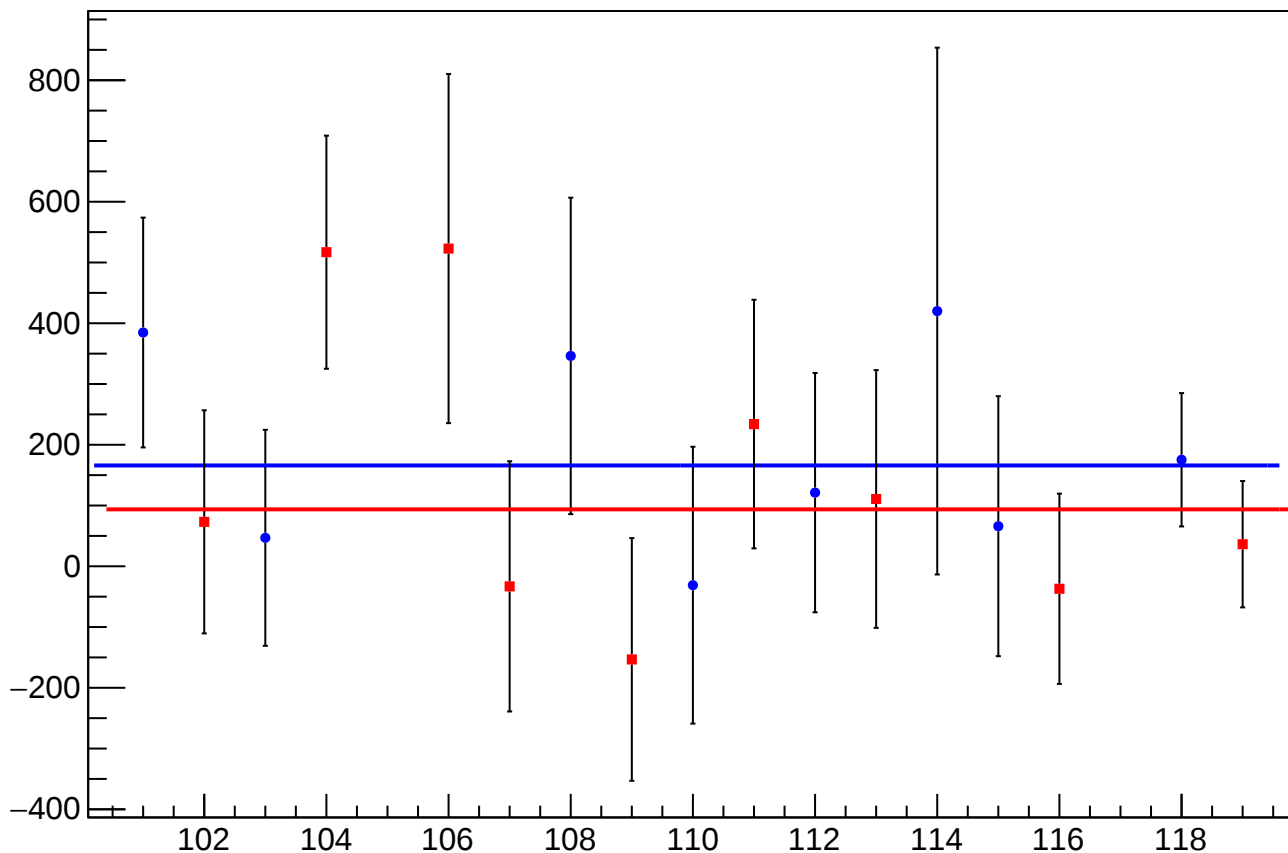
Right: 7428.267+/-2.088  $\chi^2/\text{NDF}$ : 893697.7/16

In: 7727.072+/-3.207  $\chi^2/\text{NDF}$ : 409989.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7428.267+/-2.088  $\chi^2/\text{NDF}$ : 893697.7/16

# dit\_asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 165.959 $\pm$ 65.996  $\chi^2$ /NDF: 3.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 93.700 $\pm$ 58.026  $\chi^2$ /NDF: 10.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

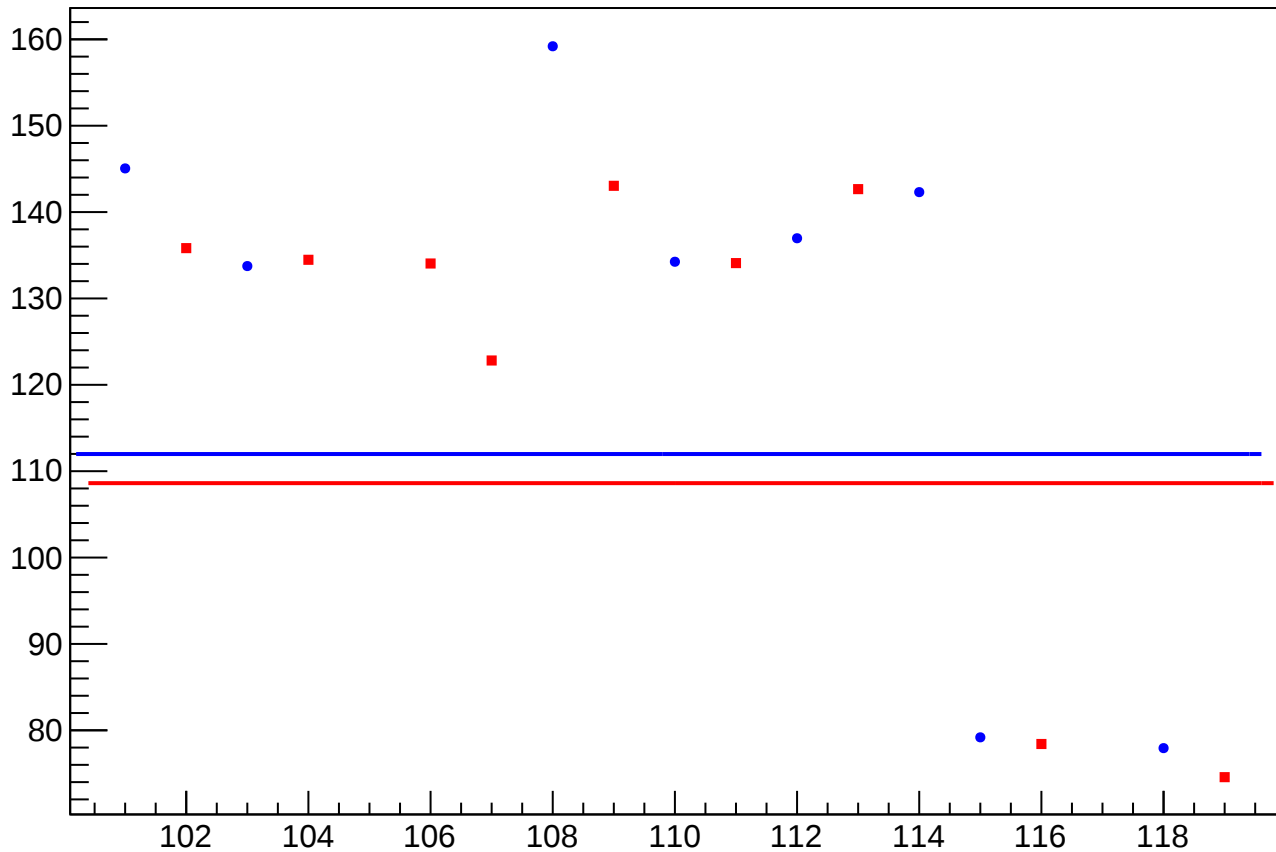
Right: 125.205 $\pm$ 43.577  $\chi^2$ /NDF: 14.8/16

In: 165.959 $\pm$ 65.996  $\chi^2$ /NDF:3.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 125.205 $\pm$ 43.577  $\chi^2$ /NDF: 14.8/16

# dit\_asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 111.986+/-0.047  $\chi^2/\text{NDF}$ : 457469.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 108.615+/-0.041  $\chi^2/\text{NDF}$ : 536177.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

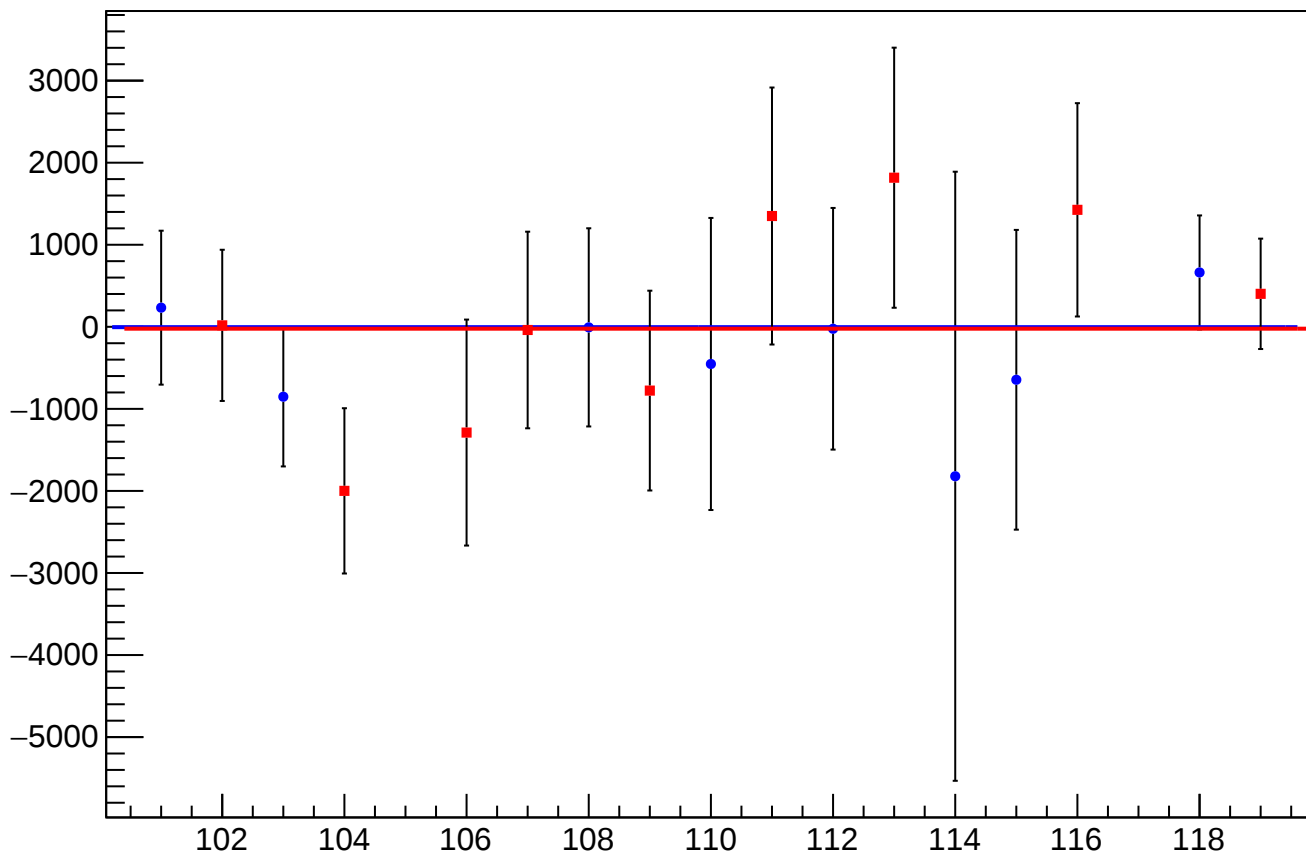
Right: 110.085+/-0.031  $\chi^2/\text{NDF}$ : 996589.6/16

In: 111.986+/-0.047  $\chi^2/\text{NDF}$ : 457469.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 110.085+/-0.031  $\chi^2/\text{NDF}$ : 996589.6/16

asym\_sam1\_correction\_mean vs Slug, Sign Corrected



Right In: -4.229+/-394.365  $\chi^2/\text{NDF}$ : 2.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -22.858+/-361.045  $\chi^2/\text{NDF}$ : 8.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

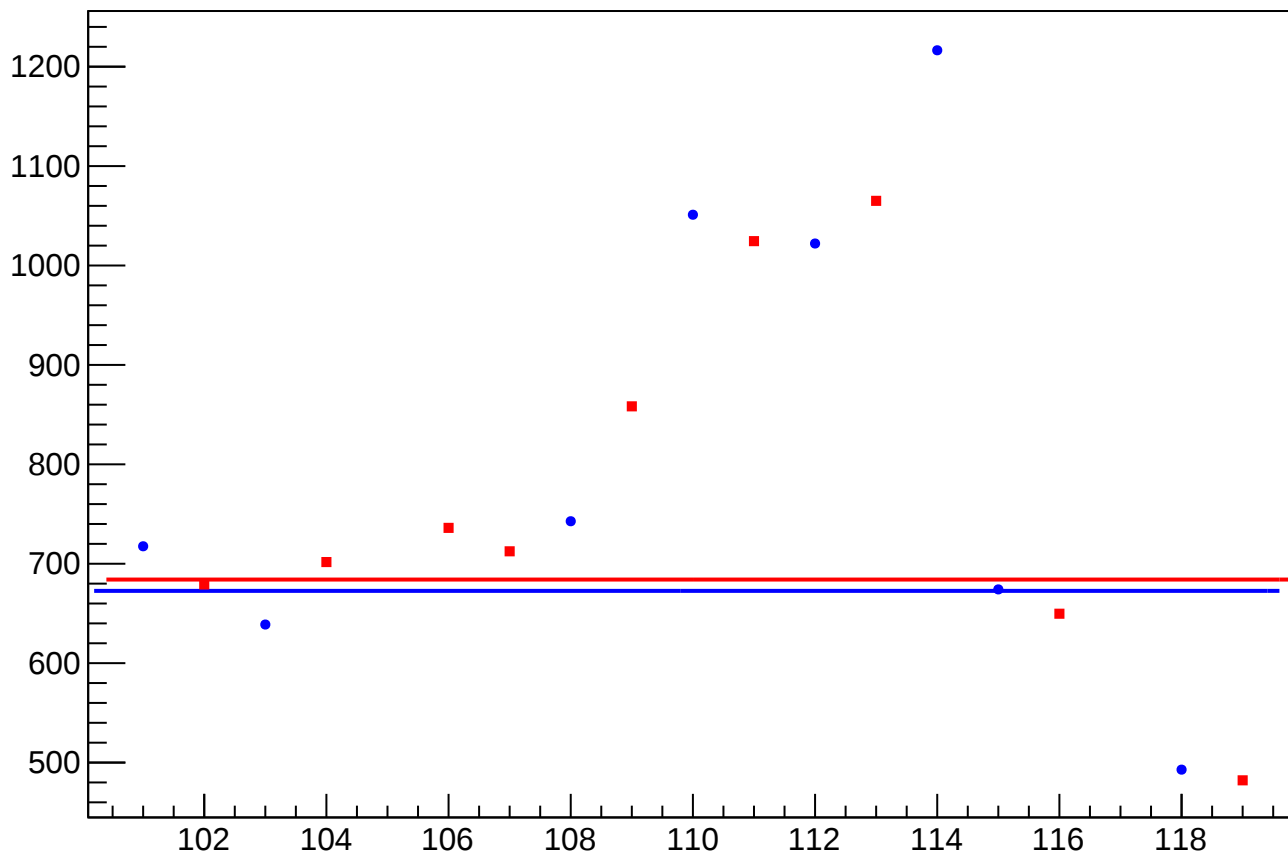
Right: -14.363+/-266.300  $\chi^2/\text{NDF}$ : 11.2/16

In: -4.229+/-394.365  $\chi^2/\text{NDF}$ : 2.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -14.363+/-266.300  $\chi^2/\text{NDF}$ : 11.2/16

# asym\_sam1\_correction\_rms vs Slug, Sign Corrected



Right In: 672.709+/-0.279  $\chi^2/\text{NDF}$ : 394467.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 684.099+/-0.255  $\chi^2/\text{NDF}$ : 437419.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

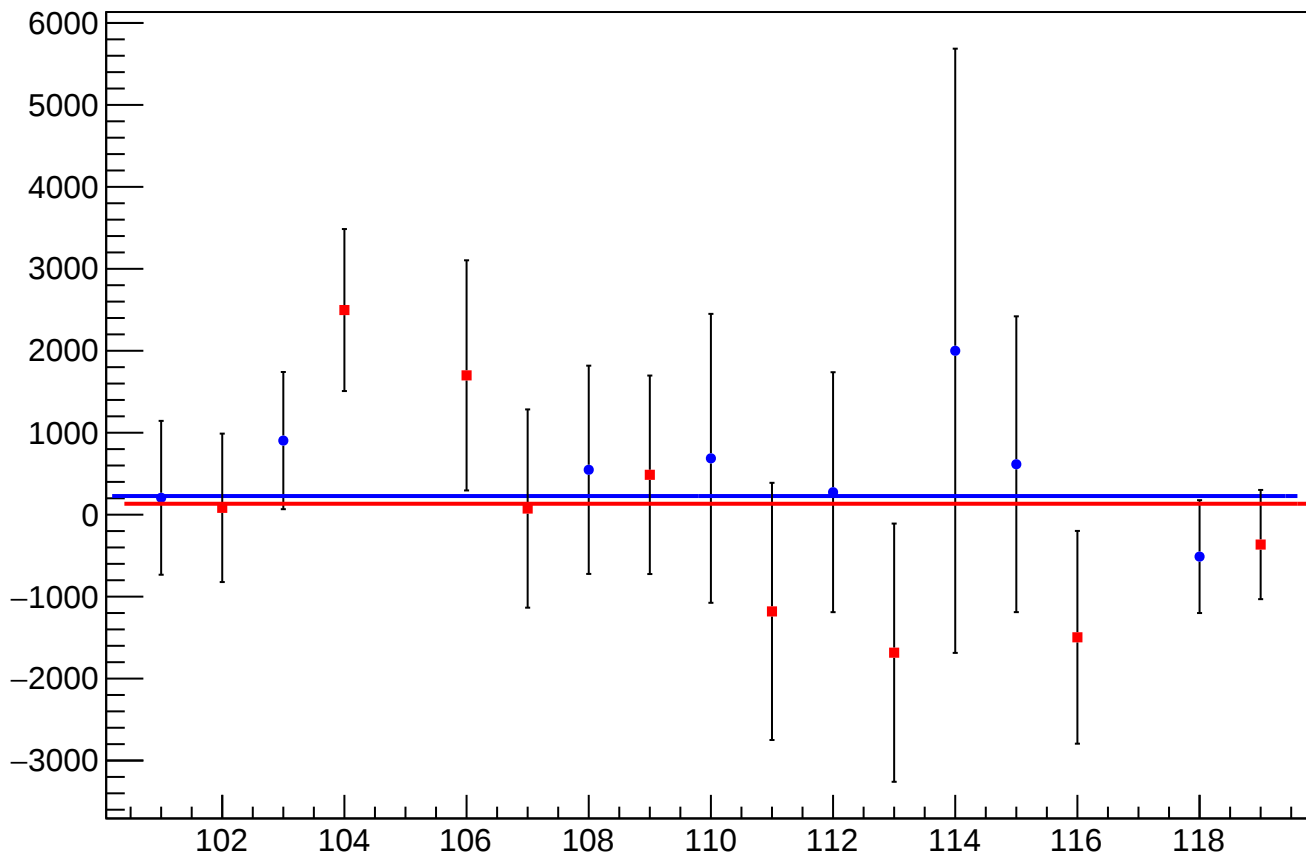
Right: 678.905+/-0.188  $\chi^2/\text{NDF}$ : 832793.8/16

In: 672.709+/-0.279  $\chi^2/\text{NDF}$ : 394467.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 678.905+/-0.188  $\chi^2/\text{NDF}$ : 832793.8/16

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 227.471+/-393.441  $\chi^2/\text{NDF}$ : 2.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 133.288+/-358.736  $\chi^2/\text{NDF}$ : 11.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

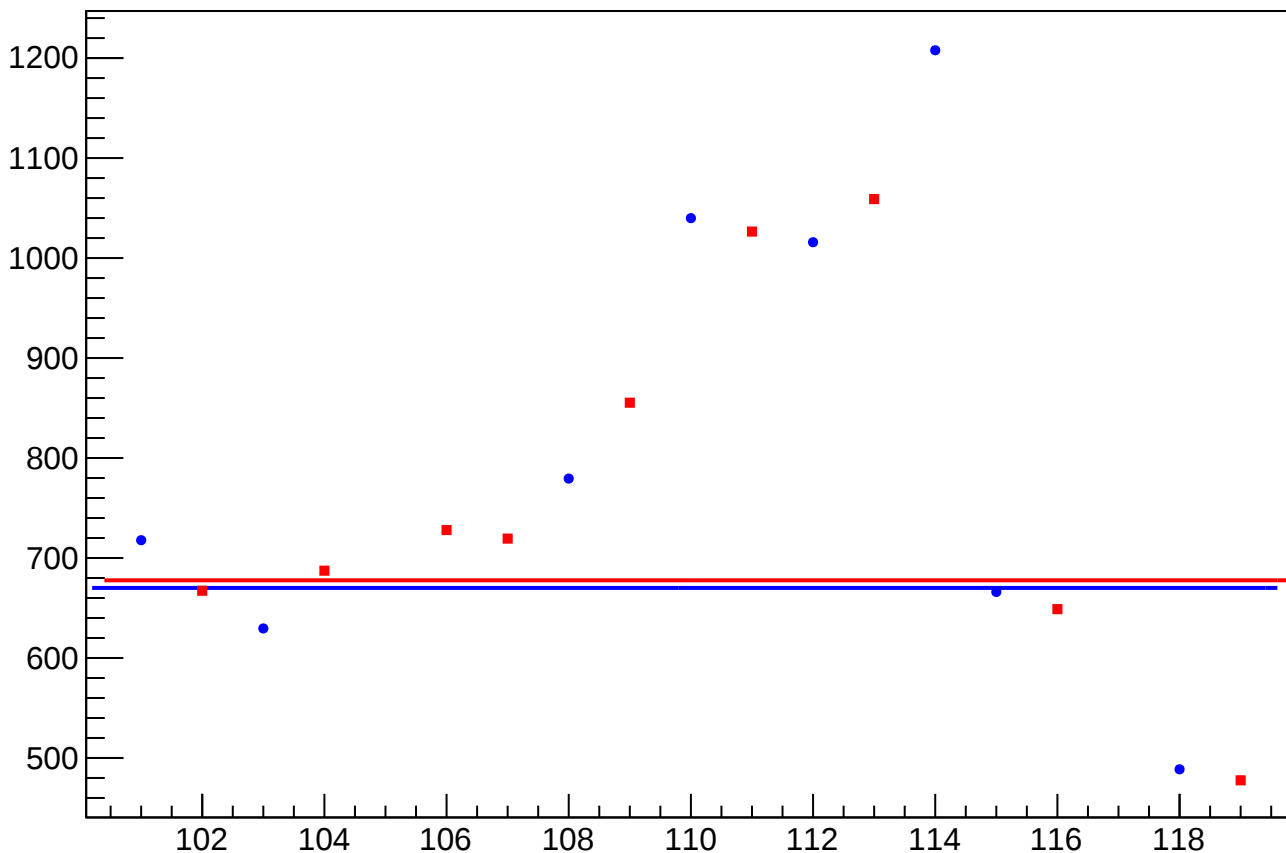
Right: 176.044+/-265.086  $\chi^2/\text{NDF}$ : 13.5/16

In: 227.471+/-393.441  $\chi^2/\text{NDF}$ : 2.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 176.044+/-265.086  $\chi^2/\text{NDF}$ : 13.5/16

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 670.087+/-0.278  $\chi^2/\text{NDF}$ : 405669.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 677.666+/-0.254  $\chi^2/\text{NDF}$ : 445673.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

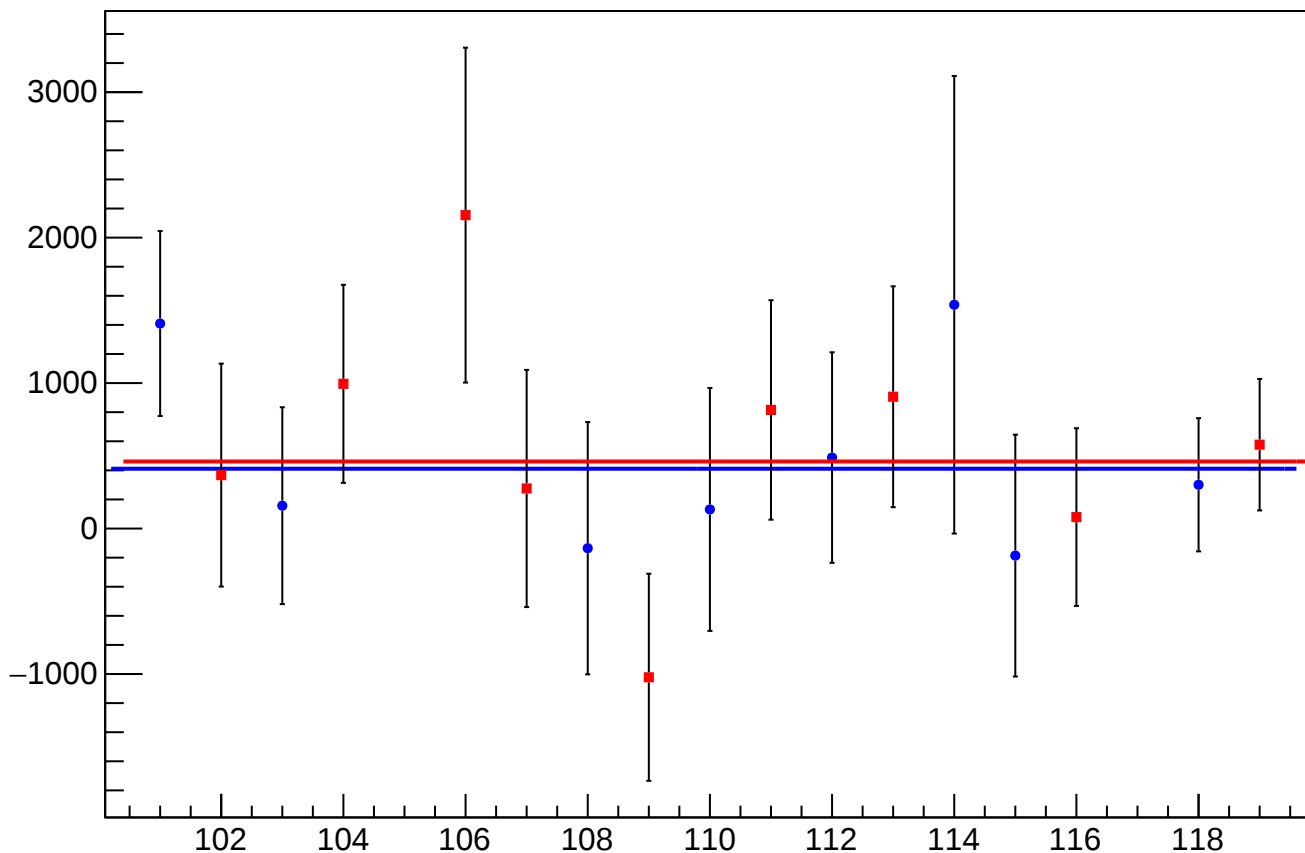
Right: 674.226+/-0.187  $\chi^2/\text{NDF}$ : 851748.7/16

In: 670.087+/-0.278  $\chi^2/\text{NDF}$ : 405669.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 674.226+/-0.187  $\chi^2/\text{NDF}$ : 851748.7/16

# dit\_asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 411.114+/-250.367  $\chi^2/\text{NDF}$ : 4.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 460.941+/-228.443  $\chi^2/\text{NDF}$ : 8.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

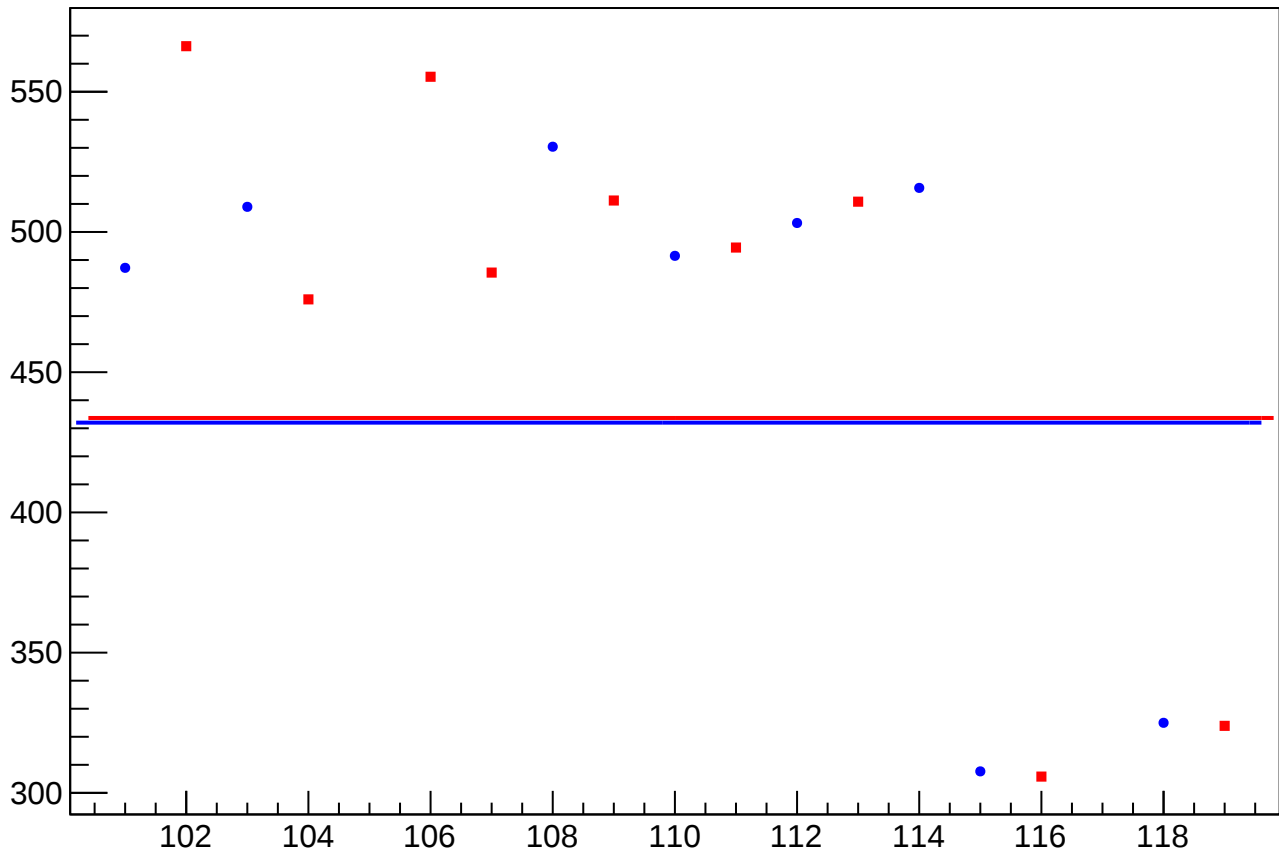
Right: 438.305+/-168.753  $\chi^2/\text{NDF}$ : 12.4/16

In: 411.114+/-250.367  $\chi^2/\text{NDF}$ : 4.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 438.305+/-168.753  $\chi^2/\text{NDF}$ : 12.4/16

# dit\_asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 432.016+/-0.177  $\chi^2/\text{NDF}$ : 255909.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 433.678+/-0.162  $\chi^2/\text{NDF}$ : 361031.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

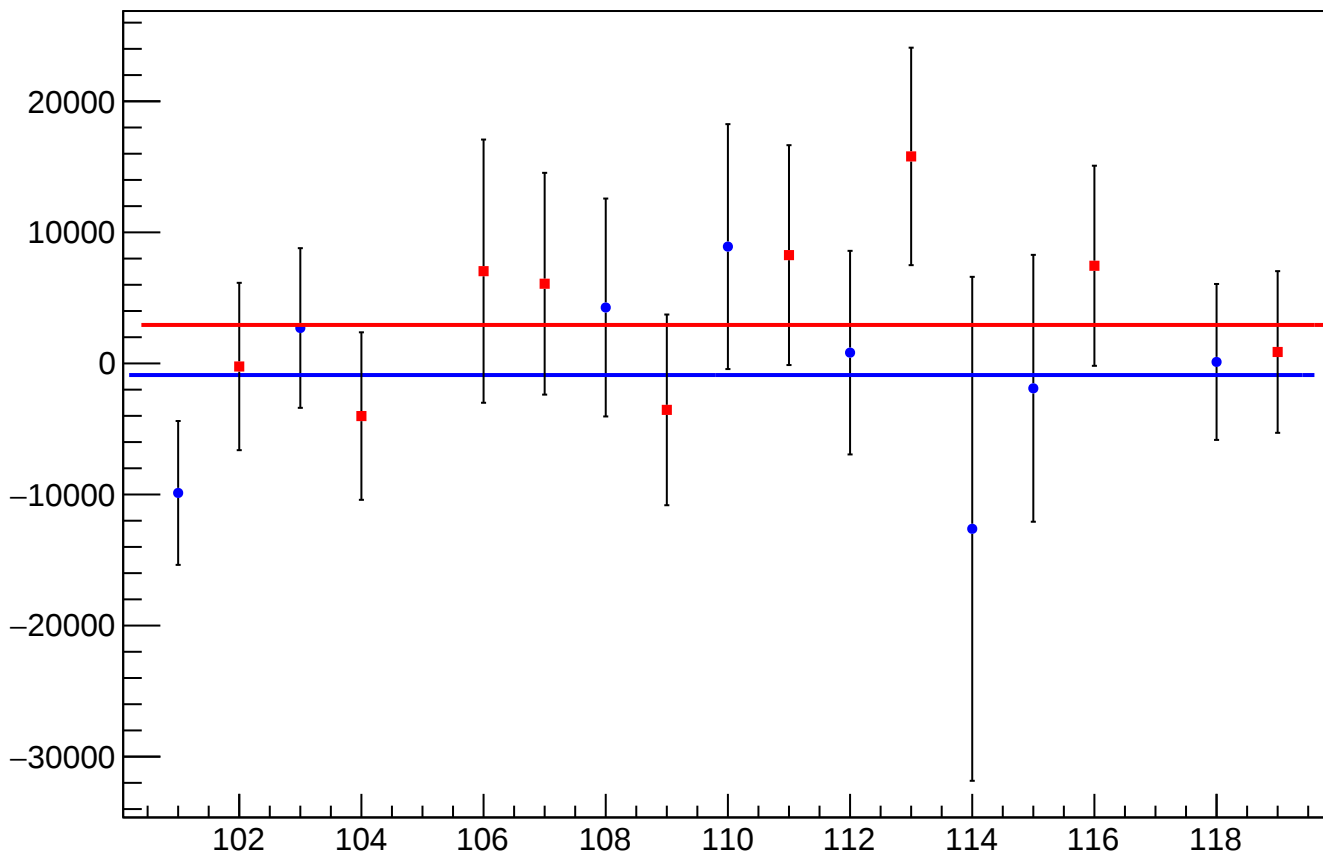
Right: 432.923+/-0.119  $\chi^2/\text{NDF}$ : 616988.7/16

In: 432.016+/-0.177  $\chi^2/\text{NDF}$ : 255909.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 432.923+/-0.119  $\chi^2/\text{NDF}$ : 616988.7/16

asym\_sam2\_correction\_mean vs Slug, Sign Corrected



Right In: -885.527+/-2641.935  $\chi^2/\text{NDF}$ : 5.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2936.118+/-2469.318  $\chi^2/\text{NDF}$ : 5.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

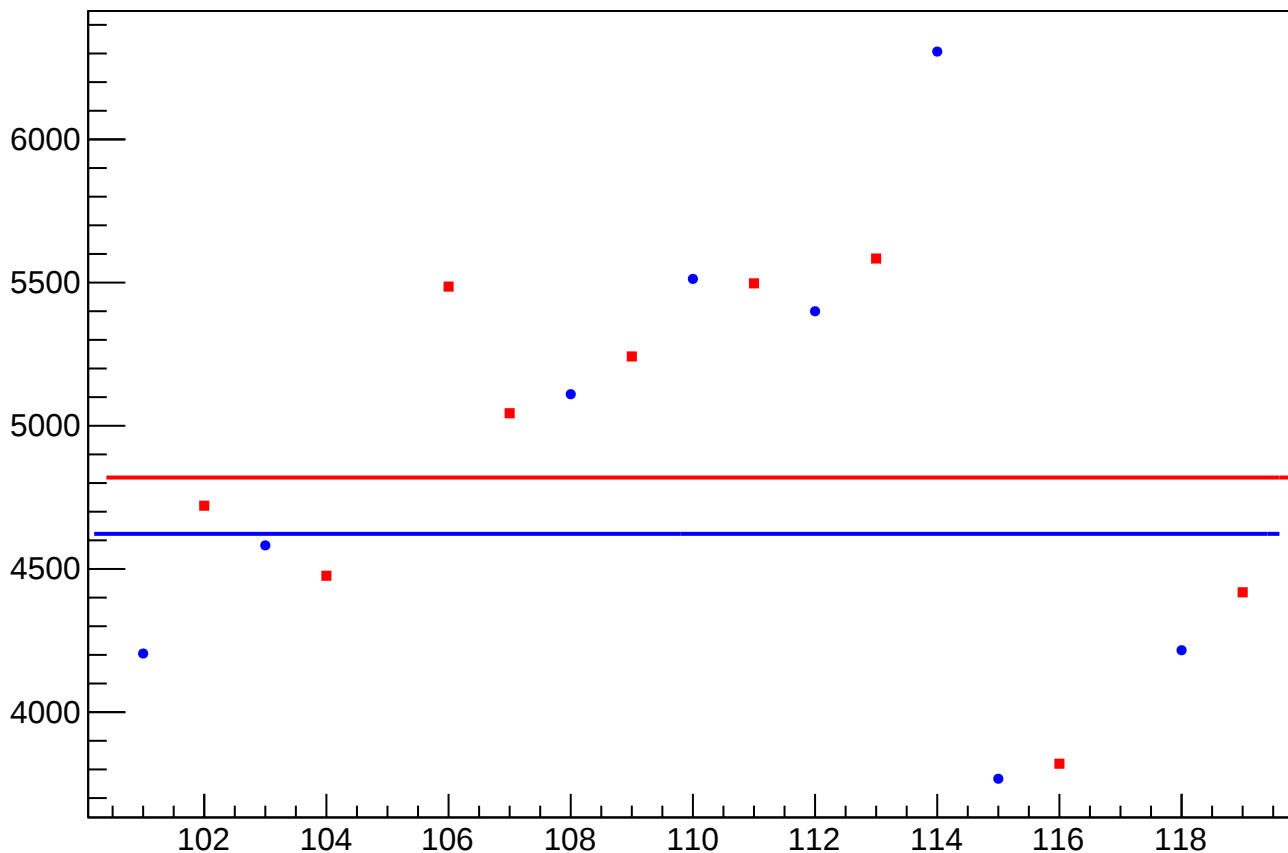
Right: 1154.213+/-1804.011  $\chi^2/\text{NDF}$ : 11.9/16

In: -885.527+/-2641.935  $\chi^2/\text{NDF}$ : 5.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1154.213+/-1804.011  $\chi^2/\text{NDF}$ : 11.9/16

# asym\_sam2\_correction\_rms vs Slug, Sign Corrected



Right In: 4622.669+/-1.868  $\chi^2/\text{NDF}$ : 95552.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4819.255+/-1.746  $\chi^2/\text{NDF}$ : 95993.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

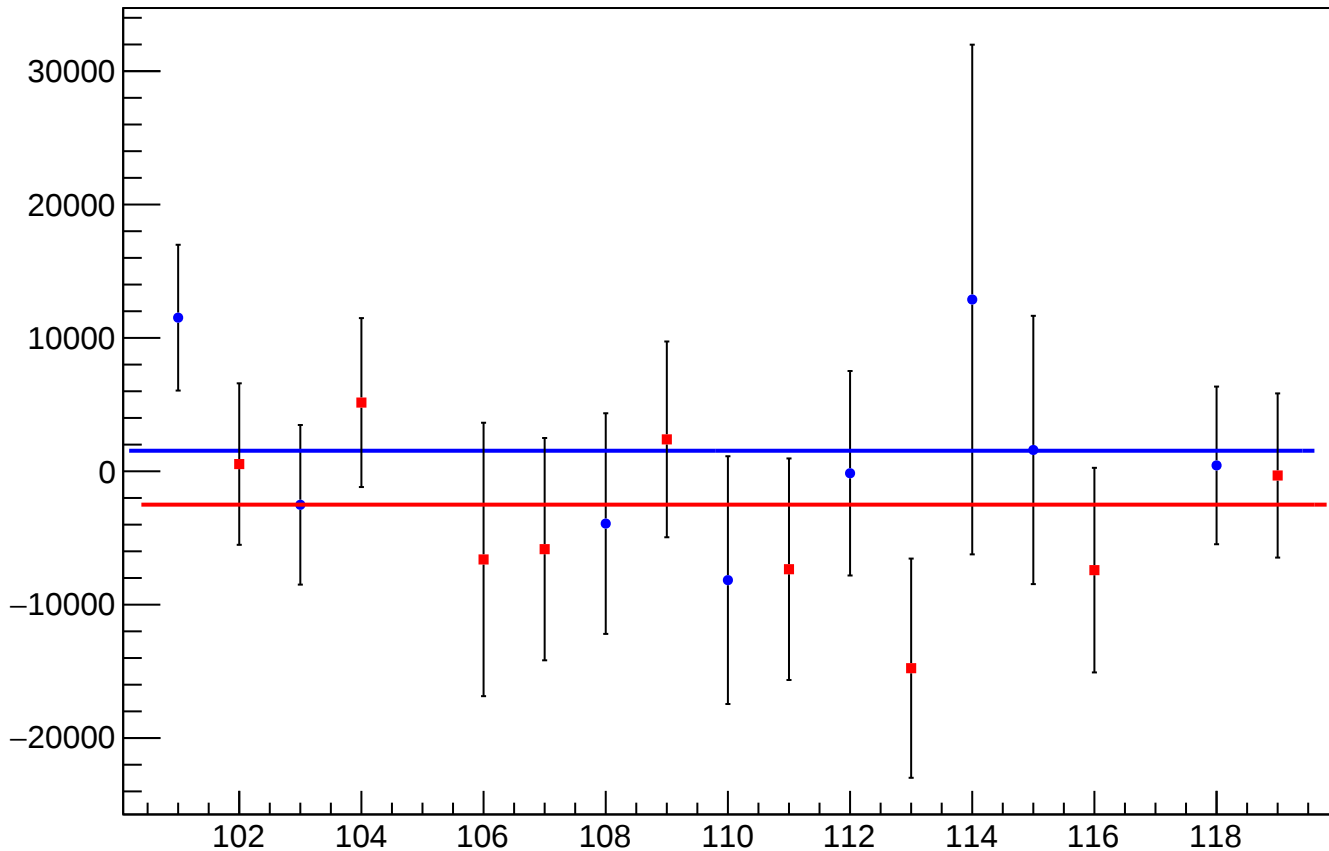
Right: 4727.594+/-1.276  $\chi^2/\text{NDF}$ : 197456.5/16

In: 4622.669+/-1.868  $\chi^2/\text{NDF}$ : 95552.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4727.594+/-1.276  $\chi^2/\text{NDF}$ : 197456.5/16

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 1540.709+/-2618.214  $\chi^2/\text{NDF}$ : 5.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2500.926+/-2444.169  $\chi^2/\text{NDF}$ : 5.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

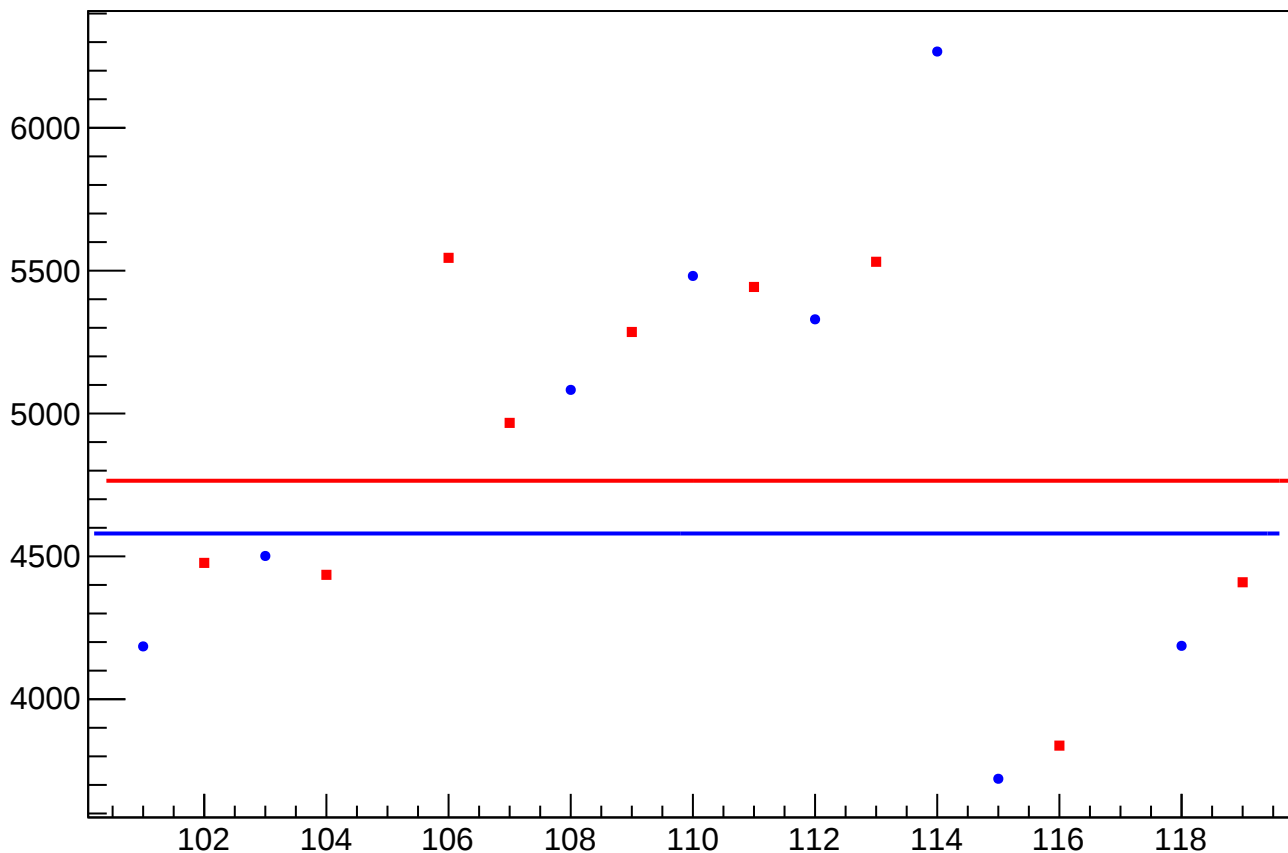
Right: -618.896+/-1786.651  $\chi^2/\text{NDF}$ : 12.6/16

In: 1540.709+/-2618.214  $\chi^2/\text{NDF}$ : 5.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -618.896+/-1786.651  $\chi^2/\text{NDF}$ : 12.6/16

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4580.083+/-1.851  $\chi^2/\text{NDF}$ : 95170.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4764.693+/-1.728  $\chi^2/\text{NDF}$ : 99382.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

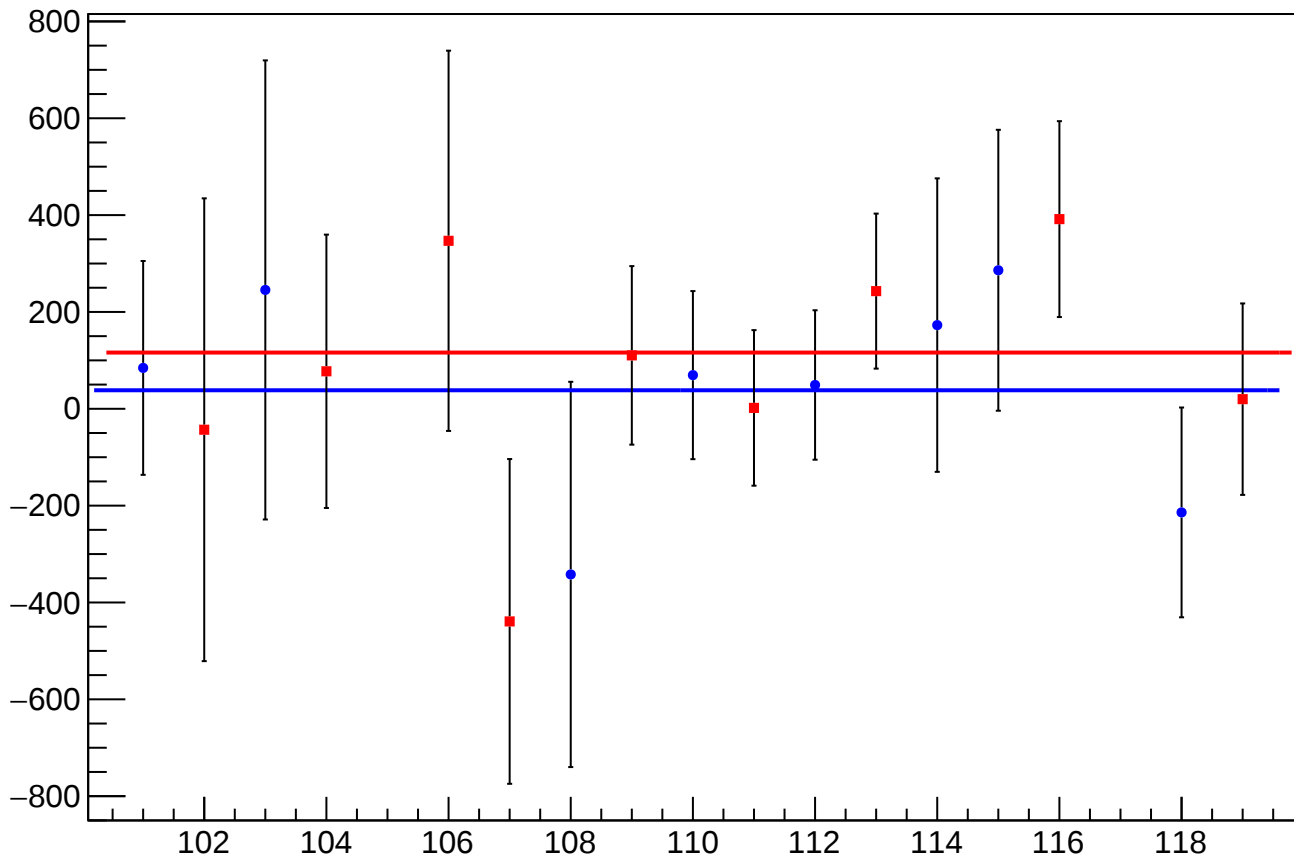
Right: 4678.728+/-1.263  $\chi^2/\text{NDF}$ : 199866.3/16

In: 4580.083+/-1.851  $\chi^2/\text{NDF}$ : 95170.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4678.728+/-1.263  $\chi^2/\text{NDF}$ : 199866.3/16

# dit\_asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 38.249+/-81.499  $\chi^2/\text{NDF}$ : 3.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 116.136+/-72.633  $\chi^2/\text{NDF}$ : 6.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

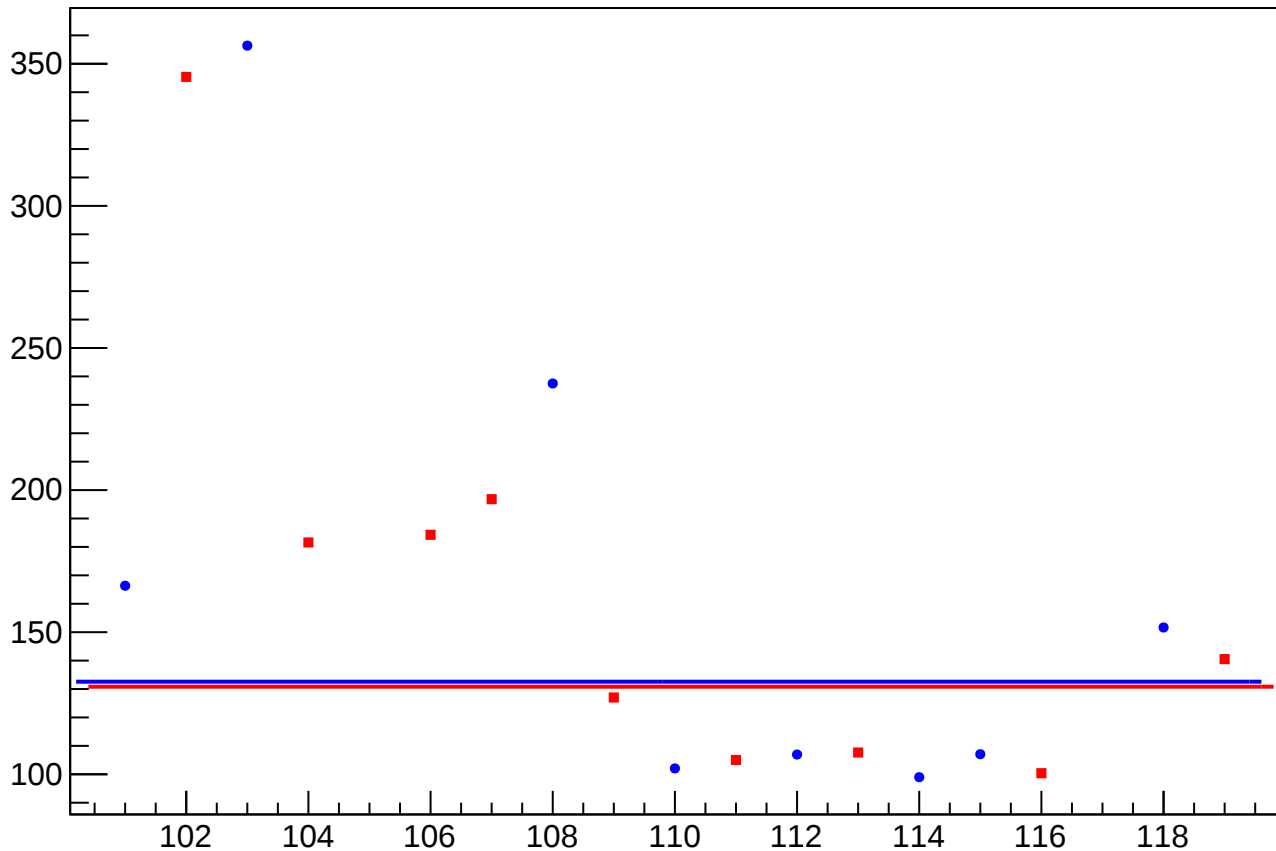
Right: 81.658+/-54.224  $\chi^2/\text{NDF}$ : 10.4/16

In: 38.249+/-81.499  $\chi^2/\text{NDF}$ : 3.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 81.658+/-54.224  $\chi^2/\text{NDF}$ : 10.4/16

# dit\_asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 132.579+/-0.058  $\chi^2/\text{NDF}$ : 804283.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 130.813+/-0.051  $\chi^2/\text{NDF}$ : 726723.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

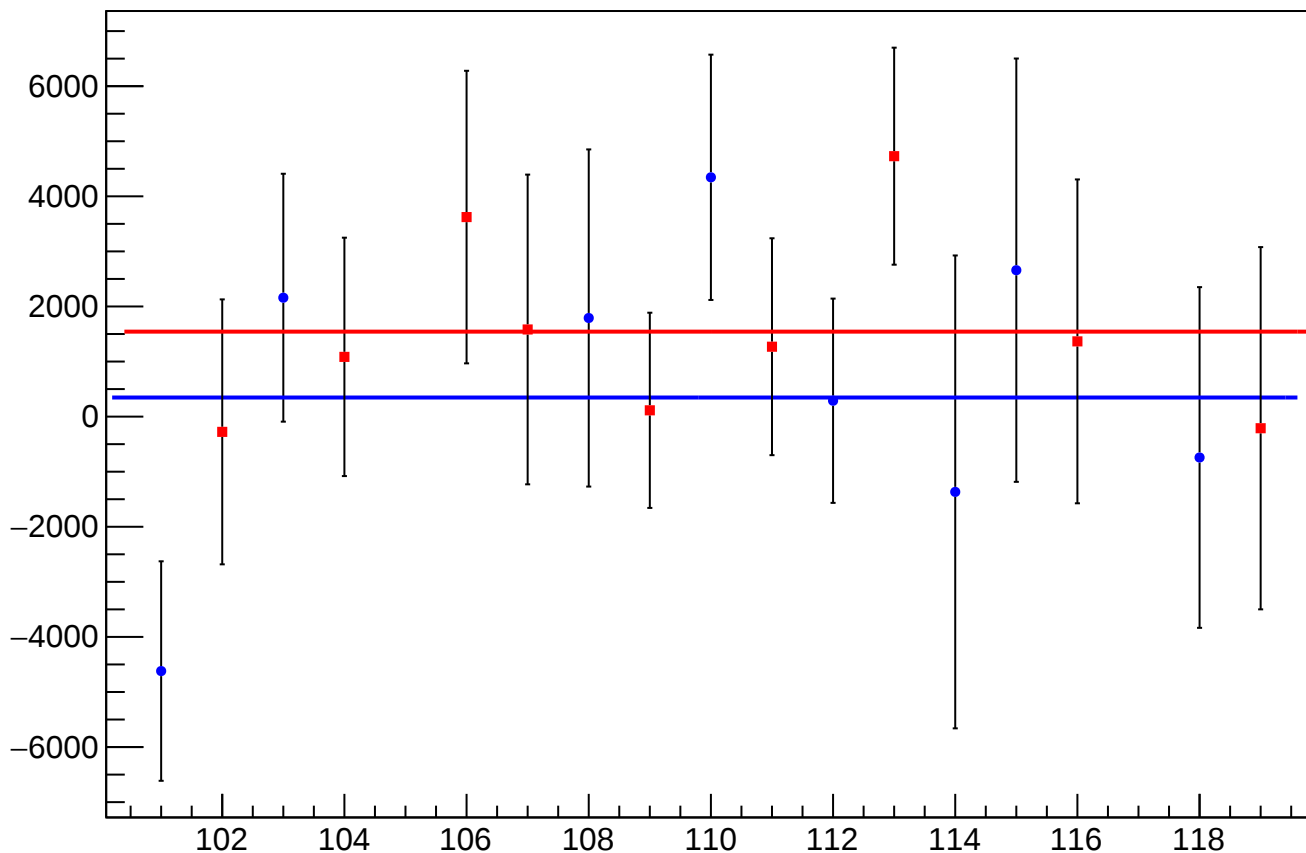
Right: 131.595+/-0.038  $\chi^2/\text{NDF}$ : 1531529.7/16

In: 132.579+/-0.058  $\chi^2/\text{NDF}$ : 804283.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 131.595+/-0.038  $\chi^2/\text{NDF}$ : 1531529.7/16

asym\_sam3\_correction\_mean vs Slug, Sign Corrected



Right In: 346.892+/-885.673  $\chi^2/\text{NDF}$ : 11.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1543.155+/-767.734  $\chi^2/\text{NDF}$ : 4.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

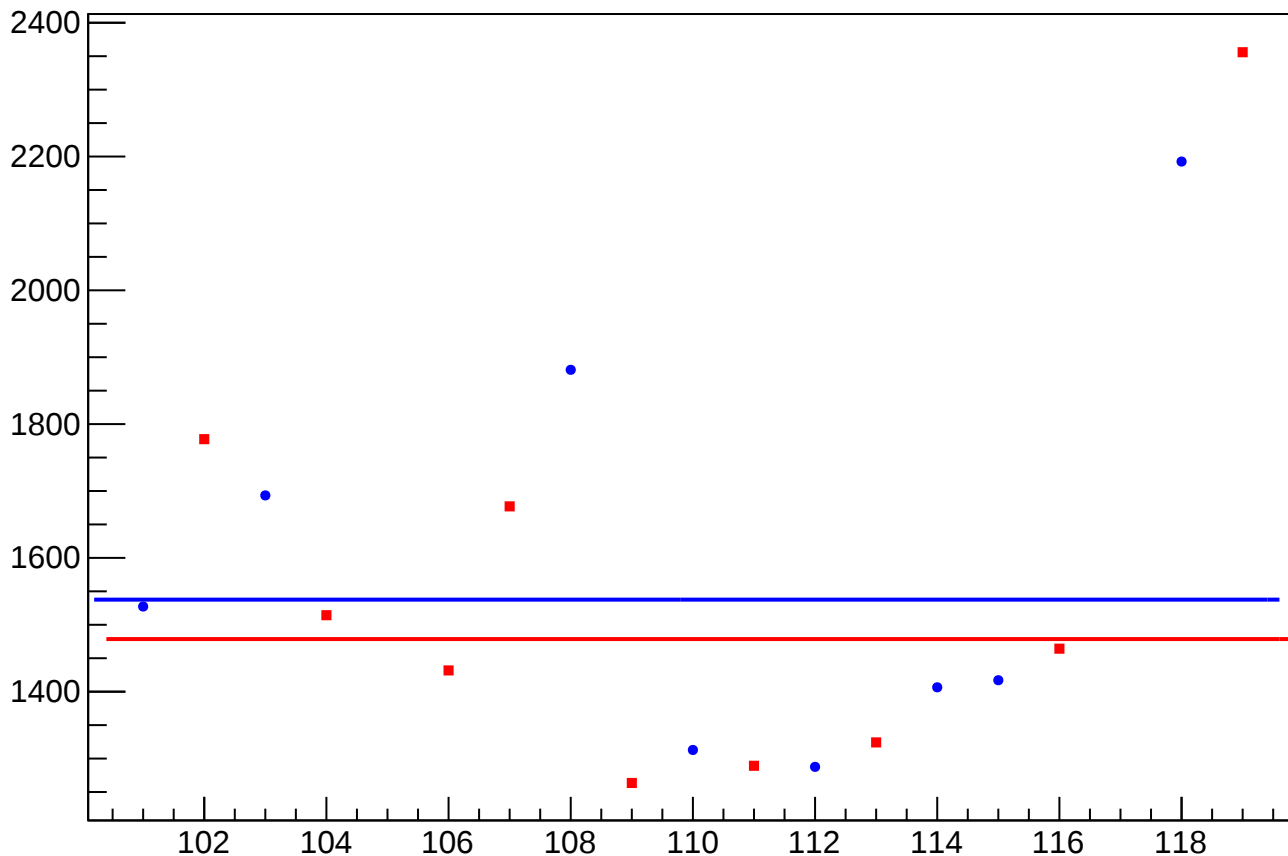
Right: 1029.922+/-580.120  $\chi^2/\text{NDF}$ : 16.8/16

In: 346.892+/-885.673  $\chi^2/\text{NDF}$ : 11.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1029.922+/-580.120  $\chi^2/\text{NDF}$ : 16.8/16

# asym\_sam3\_correction\_rms vs Slug, Sign Corrected



Right In: 1537.601+/-0.626  $\chi^2/\text{NDF}$ : 185025.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1478.650+/-0.543  $\chi^2/\text{NDF}$ : 244625.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

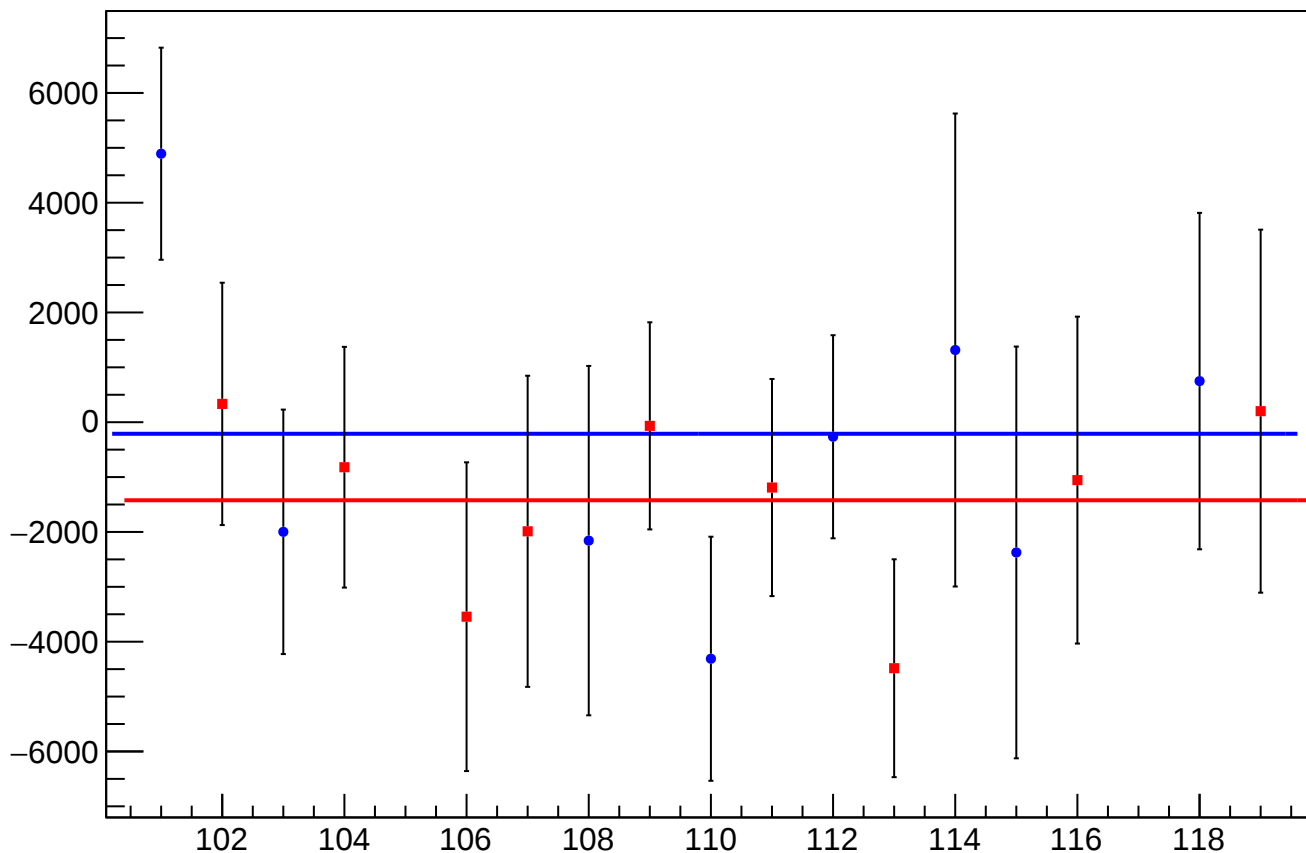
Right: 1503.942+/-0.410  $\chi^2/\text{NDF}$ : 434710.4/16

In: 1537.601+/-0.626  $\chi^2/\text{NDF}$ : 185025.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1503.942+/-0.410  $\chi^2/\text{NDF}$ : 434710.4/16

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: -210.775+/-879.304  $\chi^2/\text{NDF}$ : 11.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1422.680+/-776.680  $\chi^2/\text{NDF}$ : 4.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

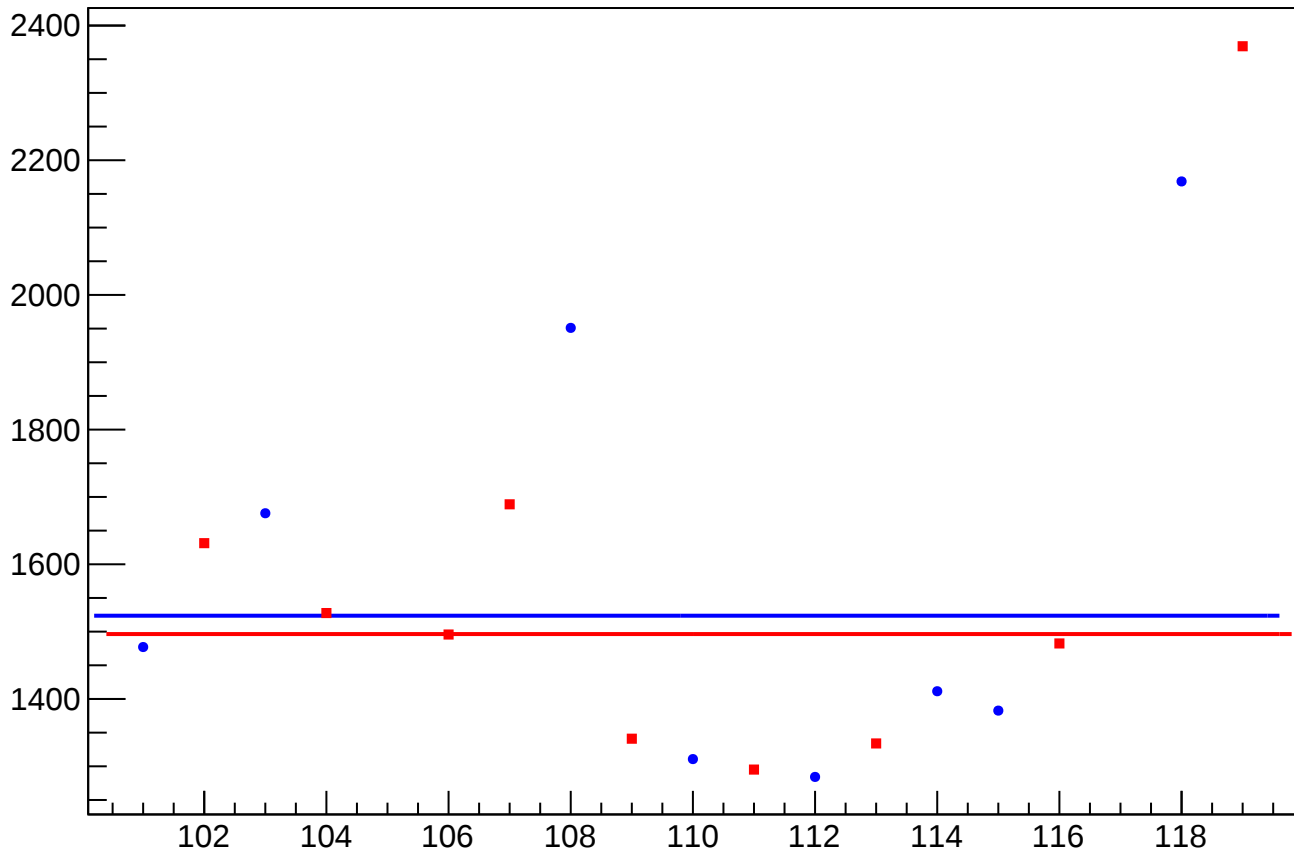
Right: -891.544+/-582.113  $\chi^2/\text{NDF}$ : 17.5/16

In: -210.775+/-879.304  $\chi^2/\text{NDF}$ : 11.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -891.544+/-582.113  $\chi^2/\text{NDF}$ : 17.5/16

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1523.648 $\pm$ 0.622  $\chi^2$ /NDF: 191021.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1496.398 $\pm$ 0.549  $\chi^2$ /NDF: 204081.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

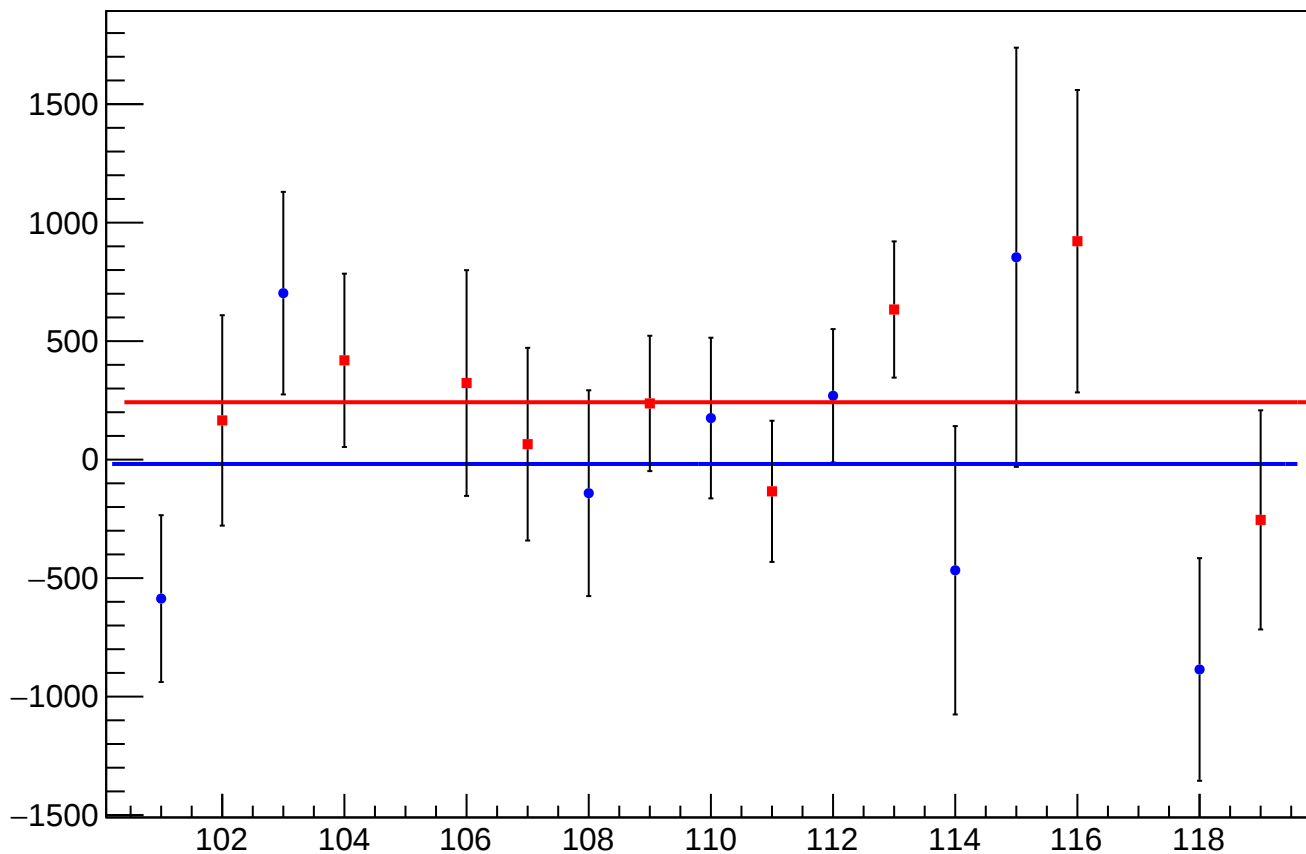
Right: 1508.340 $\pm$ 0.412  $\chi^2$ /NDF: 396181.6/16

In: 1523.648 $\pm$ 0.622  $\chi^2$ /NDF: 191021.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1508.340 $\pm$ 0.412  $\chi^2$ /NDF: 396181.6/16

# dit\_asym\_sam4\_mean vs Slug, Sign Corrected



Right In:  $-18.324 \pm 143.307$   $\chi^2/\text{NDF}$ : 11.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $242.205 \pm 123.294$   $\chi^2/\text{NDF}$ : 6.2/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

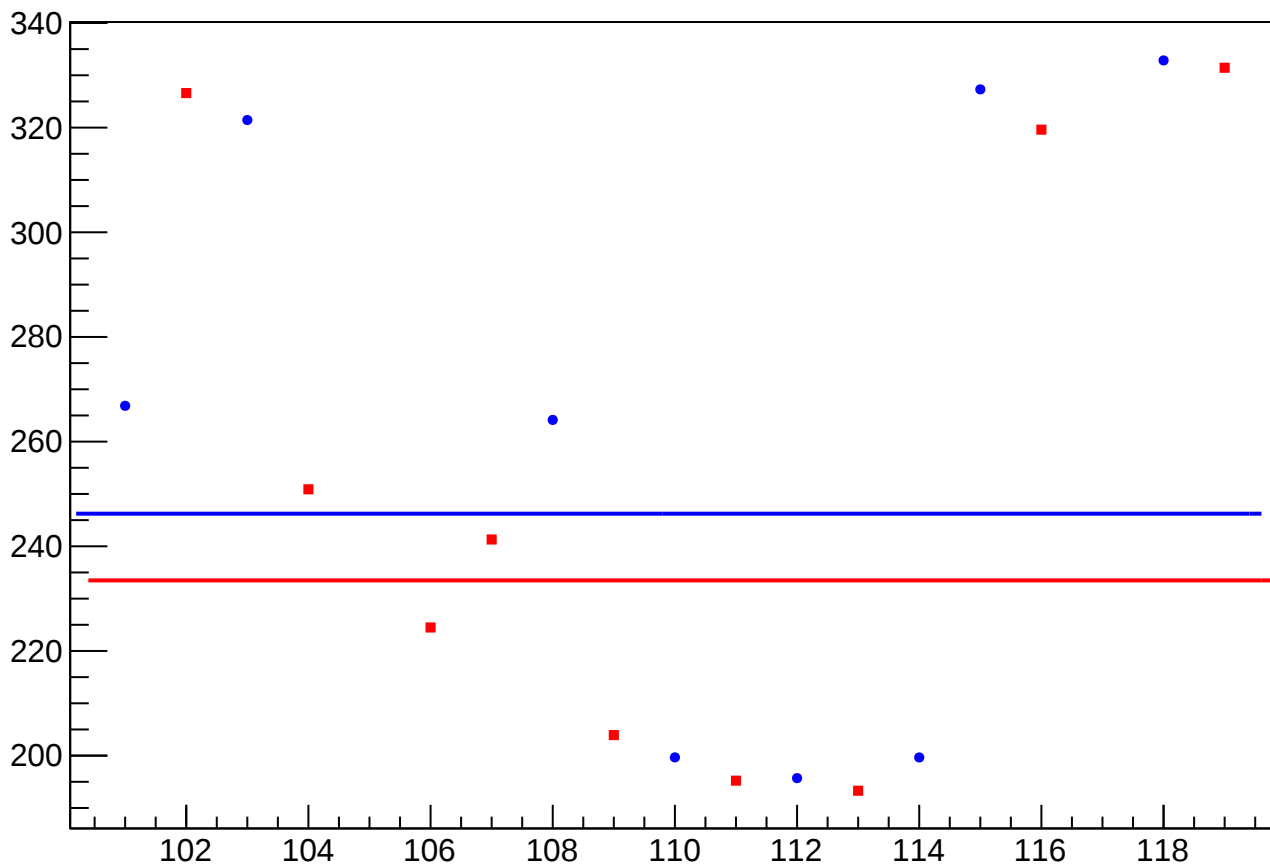
Right:  $131.389 \pm 93.464$   $\chi^2/\text{NDF}$ : 19.9/16

In:  $-18.324 \pm 143.307$   $\chi^2/\text{NDF}$ : 11.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $131.389 \pm 93.464$   $\chi^2/\text{NDF}$ : 19.9/16

# dit\_asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 246.232+/-0.101  $\chi^2/\text{NDF}$ : 270970.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 233.481+/-0.087  $\chi^2/\text{NDF}$ : 313733.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

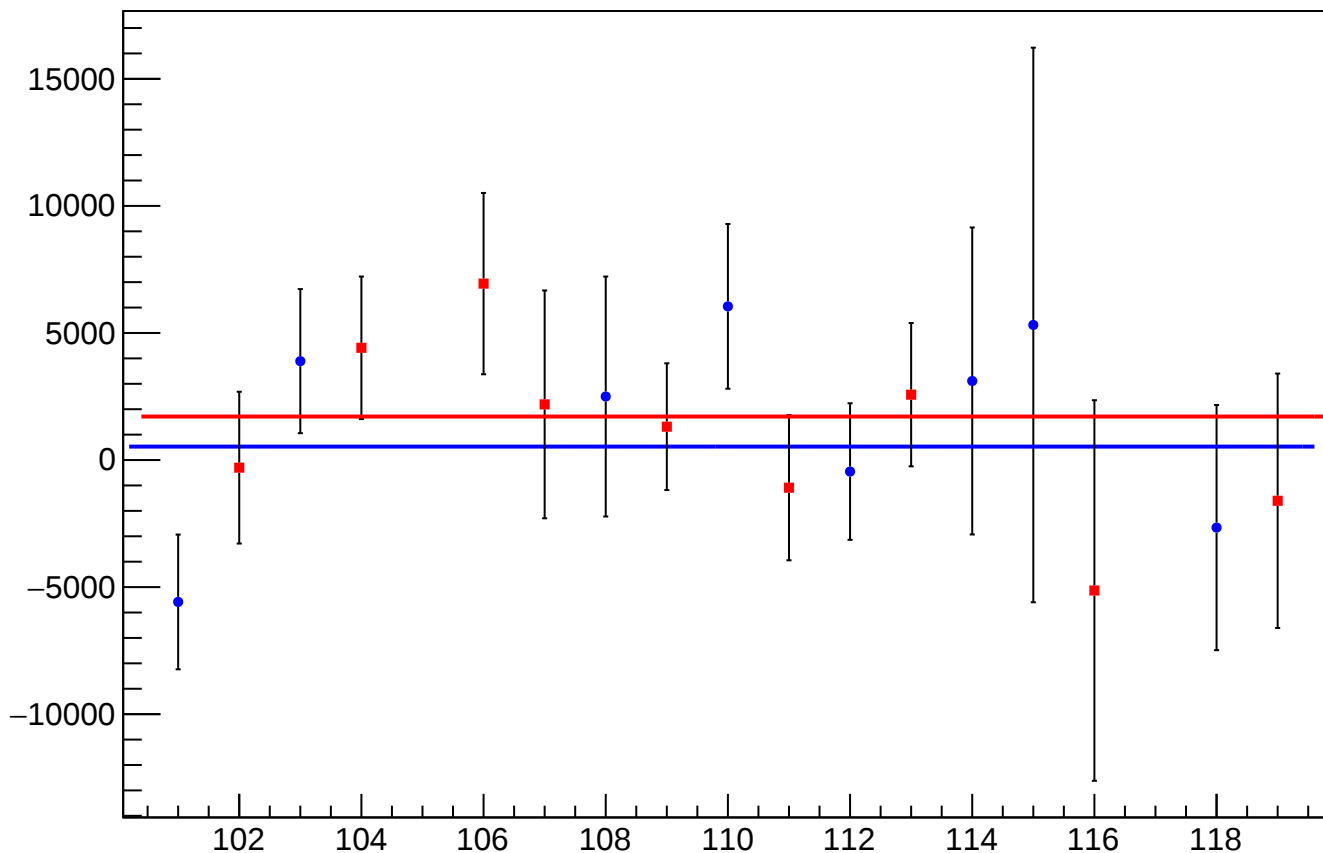
Right: 238.905+/-0.066  $\chi^2/\text{NDF}$ : 593802.1/16

In: 246.232+/-0.101  $\chi^2/\text{NDF}$ : 270970.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 238.905+/-0.066  $\chi^2/\text{NDF}$ : 593802.1/16

asym\_sam4\_correction\_mean vs Slug, Sign Corrected



Right In: 529.380+/-1266.035  $\chi^2/\text{NDF}$ : 10.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1712.039+/-1094.650  $\chi^2/\text{NDF}$ : 5.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

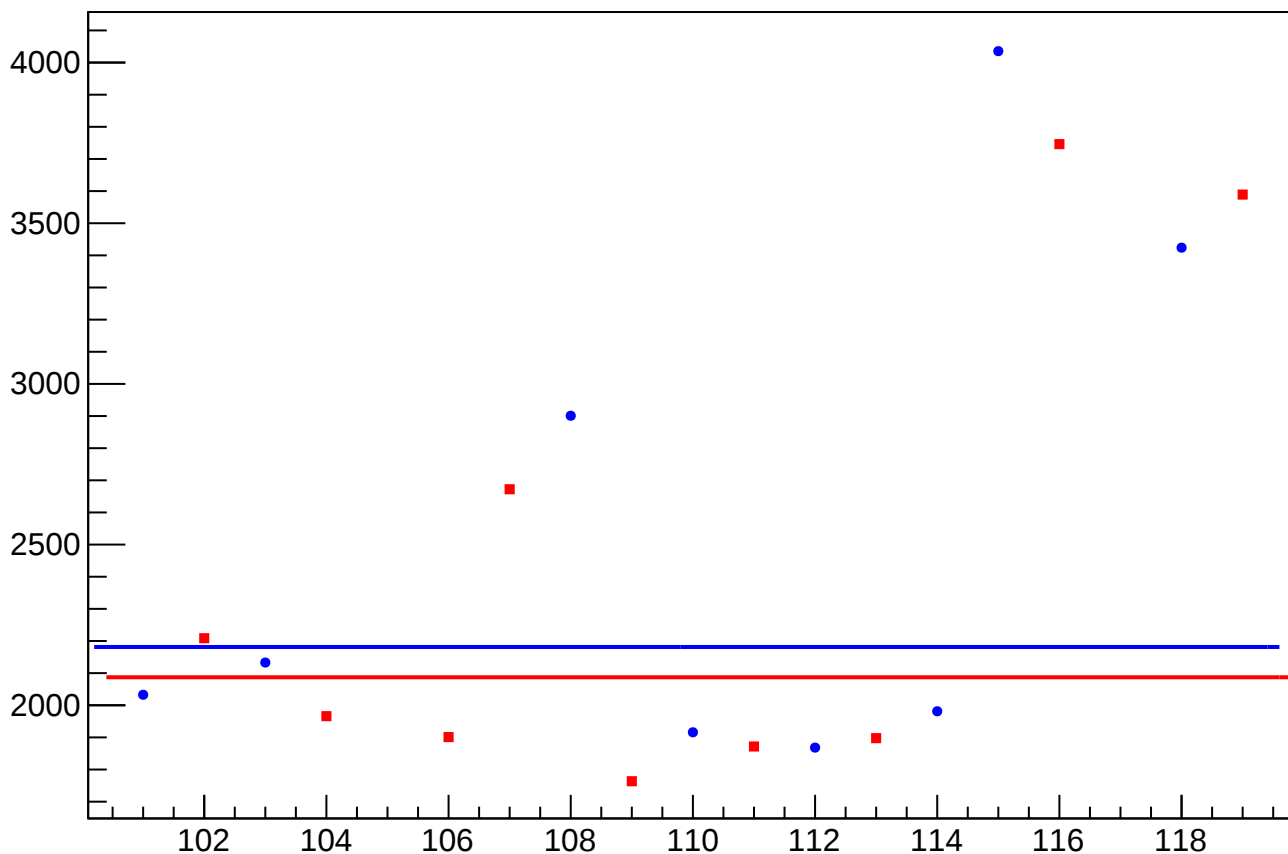
Right: 1206.120+/-828.050  $\chi^2/\text{NDF}$ : 17.1/16

In: 529.380+/-1266.035  $\chi^2/\text{NDF}$ : 10.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1206.120+/-828.050  $\chi^2/\text{NDF}$ : 17.1/16

asym\_sam4\_correction\_rms vs Slug, Sign Corrected



Right In: 2181.350+/-0.895  $\chi^2/\text{NDF}$ : 286569.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2087.146+/-0.774  $\chi^2/\text{NDF}$ : 378863.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

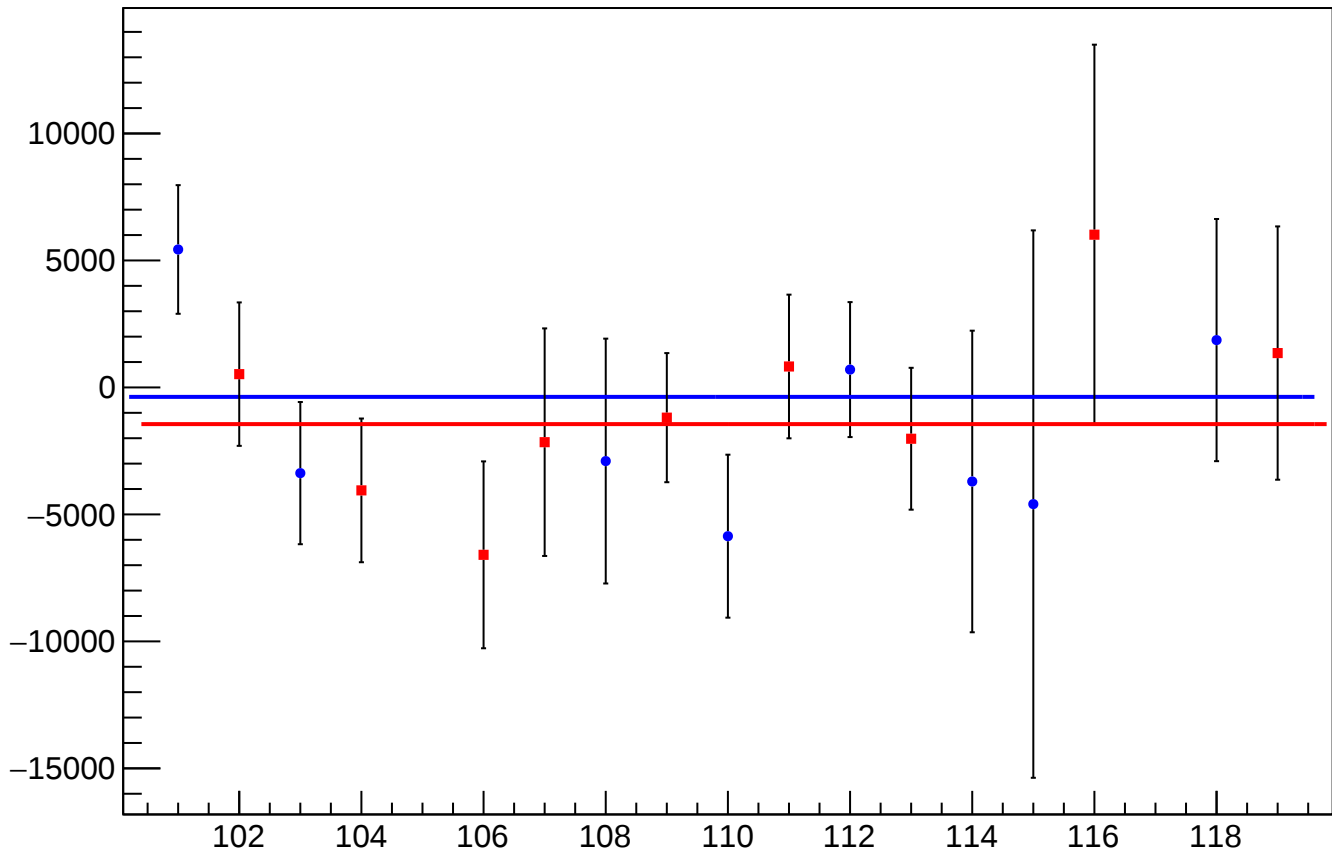
Right: 2127.444+/-0.586  $\chi^2/\text{NDF}$ : 671769.7/16

In: 2181.350+/-0.895  $\chi^2/\text{NDF}$ : 286569.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2127.444+/-0.586  $\chi^2/\text{NDF}$ : 671769.7/16

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -371.878+/-1244.025  $\chi^2/\text{NDF}$ : 10.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1444.283+/-1091.171  $\chi^2/\text{NDF}$ : 5.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

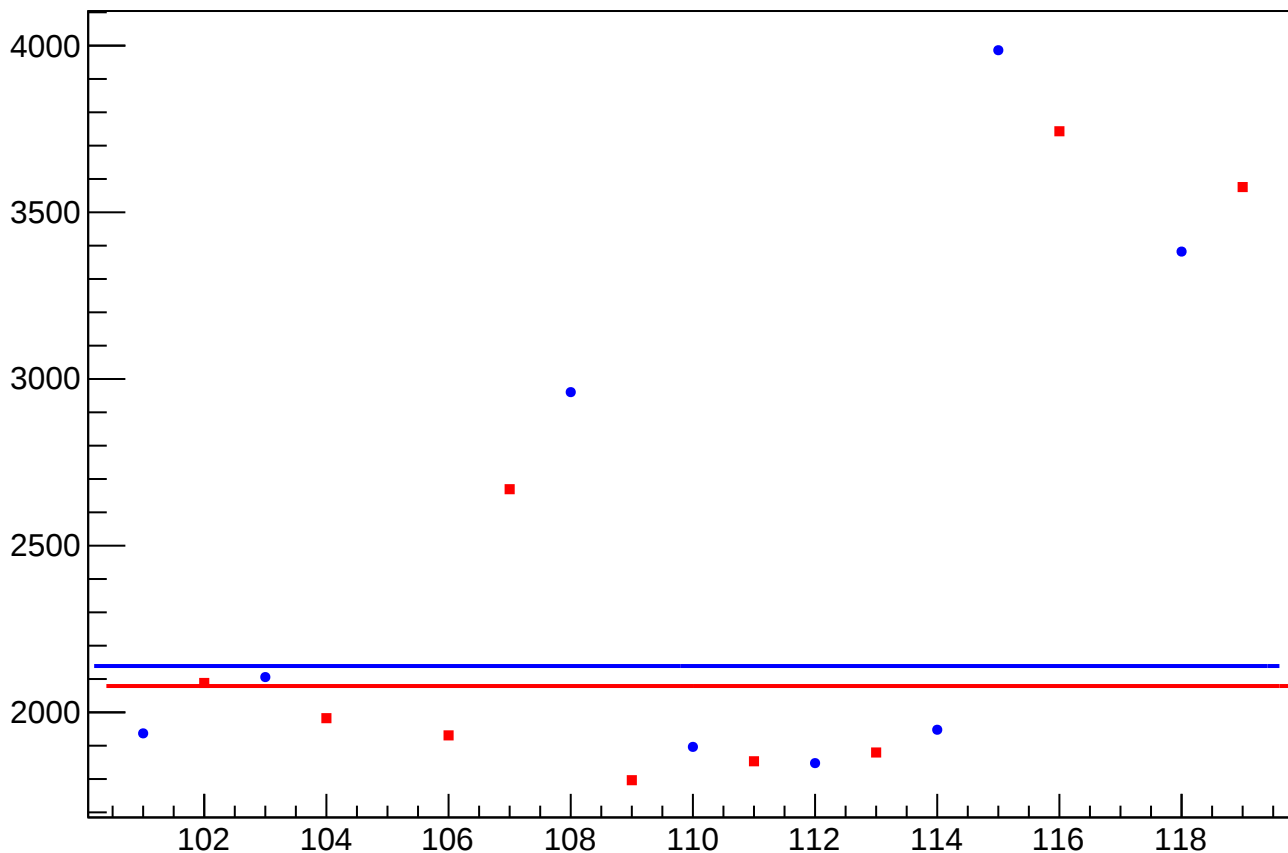
Right: -977.977+/-820.324  $\chi^2/\text{NDF}$ : 16.2/16

In: -371.878+/-1244.025  $\chi^2/\text{NDF}$ : 10.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -977.977+/-820.324  $\chi^2/\text{NDF}$ : 16.2/16

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2138.983+/-0.880  $\chi^2/\text{NDF}$ : 303334.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2078.982+/-0.772  $\chi^2/\text{NDF}$ : 366996.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

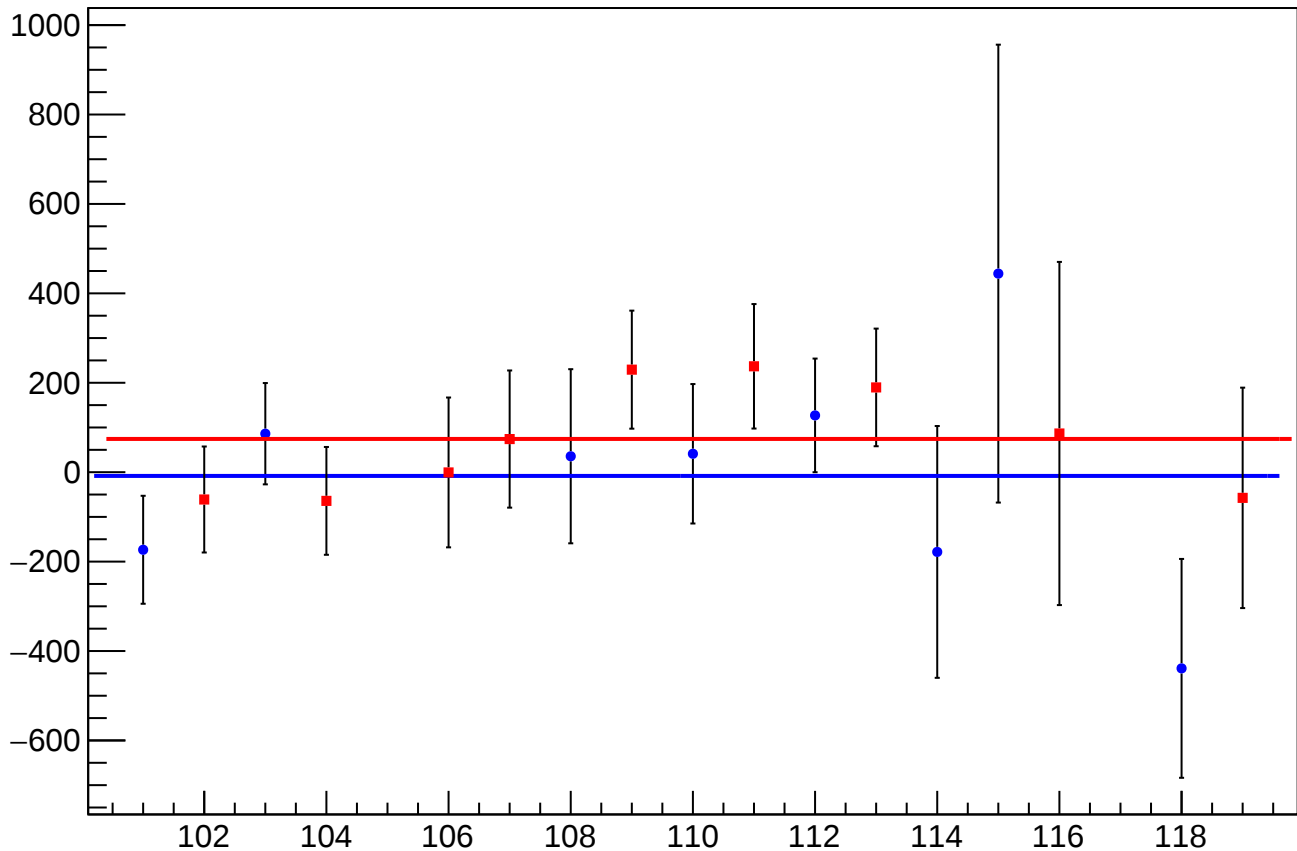
Right: 2105.072+/-0.580  $\chi^2/\text{NDF}$ : 672960.0/16

In: 2138.983+/-0.880  $\chi^2/\text{NDF}$ : 303334.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2105.072+/-0.580  $\chi^2/\text{NDF}$ : 672960.0/16

# dit\_asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -8.344+/-56.891  $\chi^2/\text{NDF}$ : 8.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.374+/-49.504  $\chi^2/\text{NDF}$ : 6.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

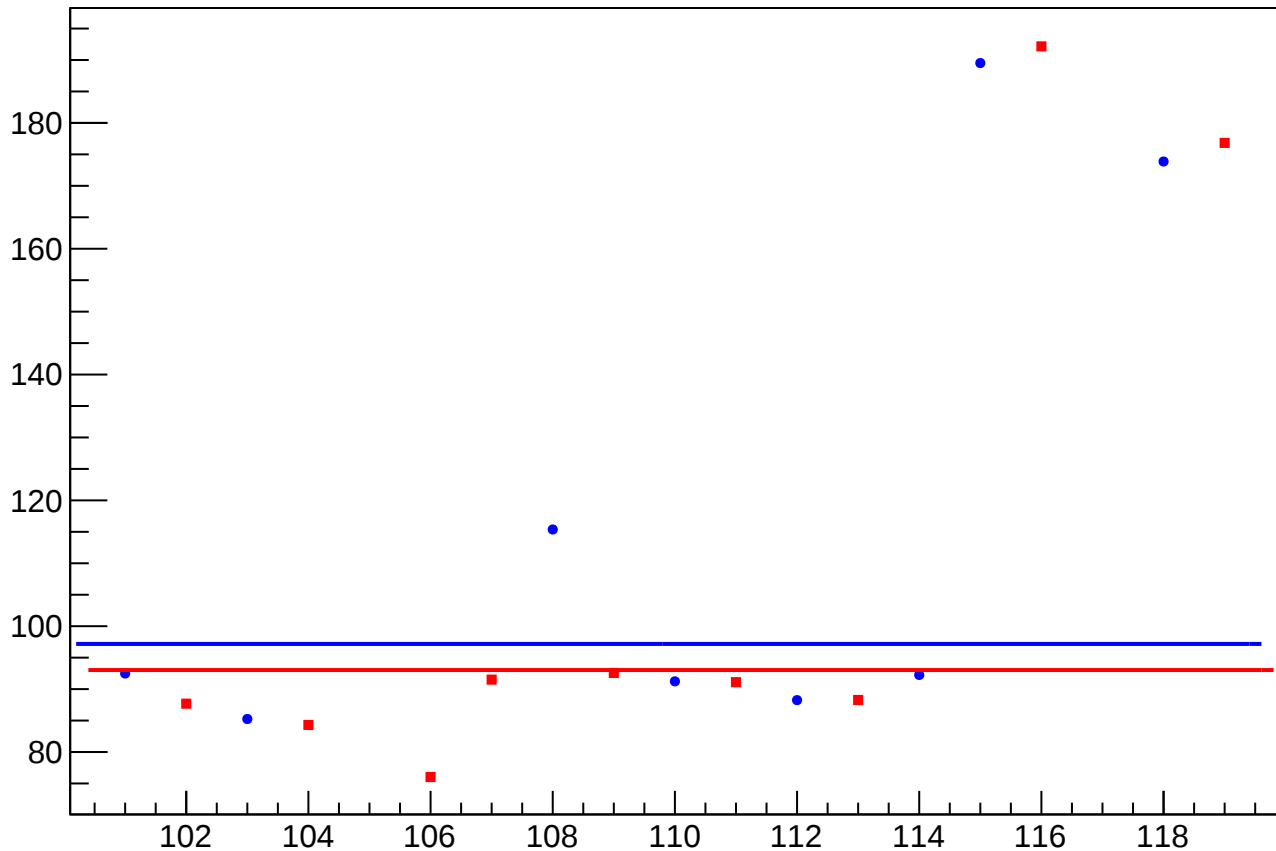
Right: 38.730+/-37.345  $\chi^2/\text{NDF}$ : 15.9/16

In: -8.344+/-56.891  $\chi^2/\text{NDF}$ : 8.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 38.730+/-37.345  $\chi^2/\text{NDF}$ : 15.9/16

# dit\_asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 97.182 $\pm$ 0.040  $\chi^2$ /NDF: 317381.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 93.031 $\pm$ 0.035  $\chi^2$ /NDF: 402891.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

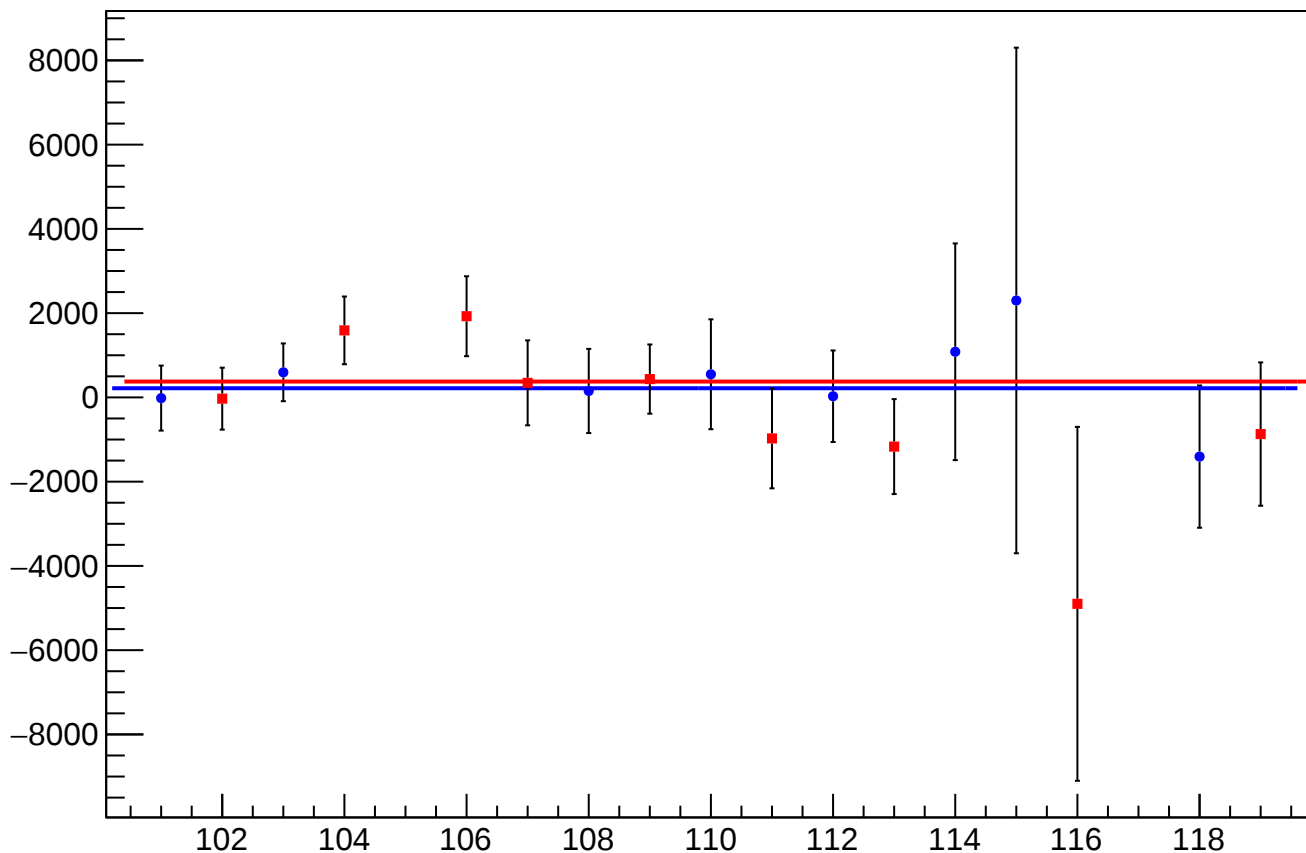
Right: 94.820 $\pm$ 0.026  $\chi^2$ /NDF: 726333.0/16

In: 97.182 $\pm$ 0.040  $\chi^2$ /NDF:317381.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 94.820 $\pm$ 0.026  $\chi^2$ /NDF: 726333.0/16

# asym\_sam5\_correction\_mean vs Slug, Sign Corrected



Right In: 217.337+/-384.280  $\chi^2/\text{NDF}$ : 1.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 376.313+/-335.595  $\chi^2/\text{NDF}$ : 10.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

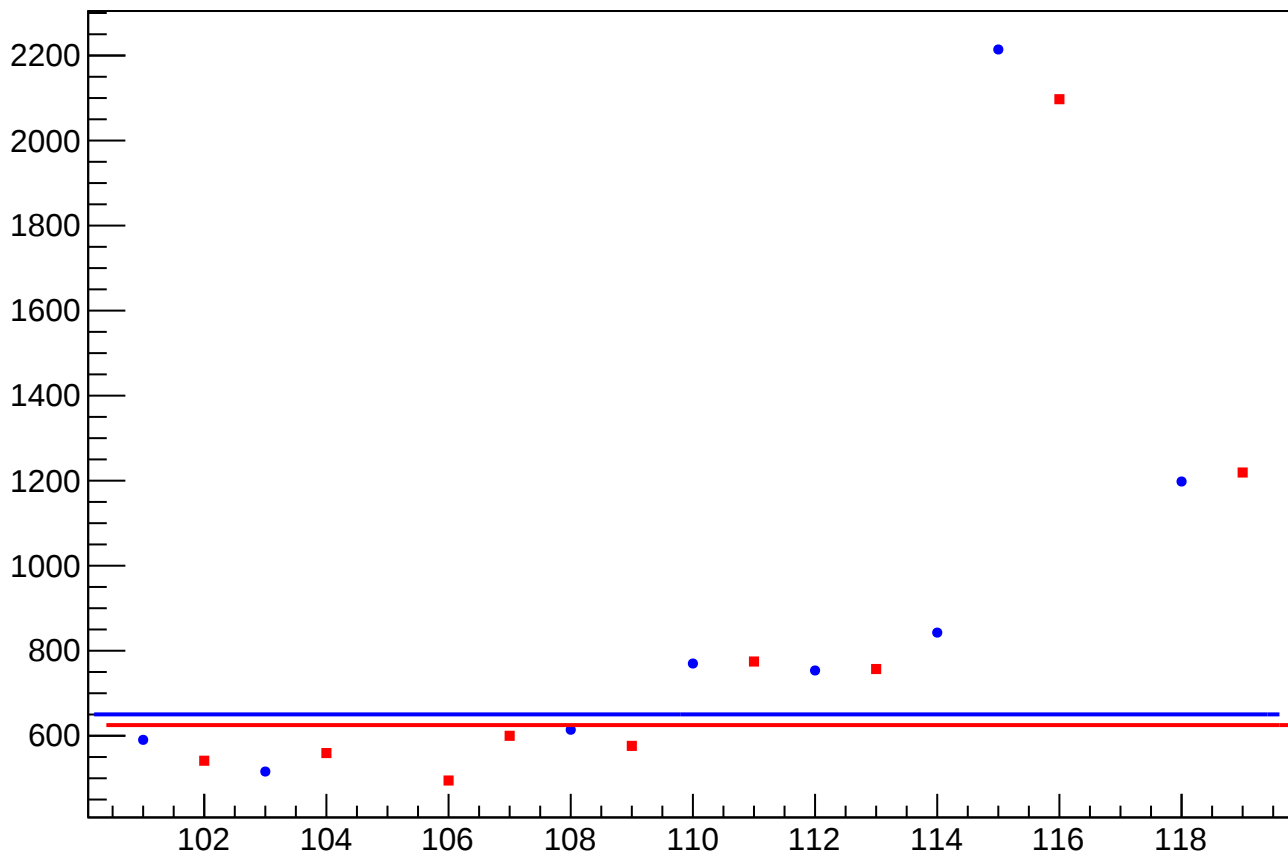
Right: 307.527+/-252.773  $\chi^2/\text{NDF}$ : 12.3/16

In: 217.337+/-384.280  $\chi^2/\text{NDF}$ : 1.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 307.527+/-252.773  $\chi^2/\text{NDF}$ : 12.3/16

asym\_sam5\_correction\_rms vs Slug, Sign Corrected



Right In: 650.290+/-0.272  $\chi^2/\text{NDF}$ : 483879.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 625.111+/-0.237  $\chi^2/\text{NDF}$ : 634337.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

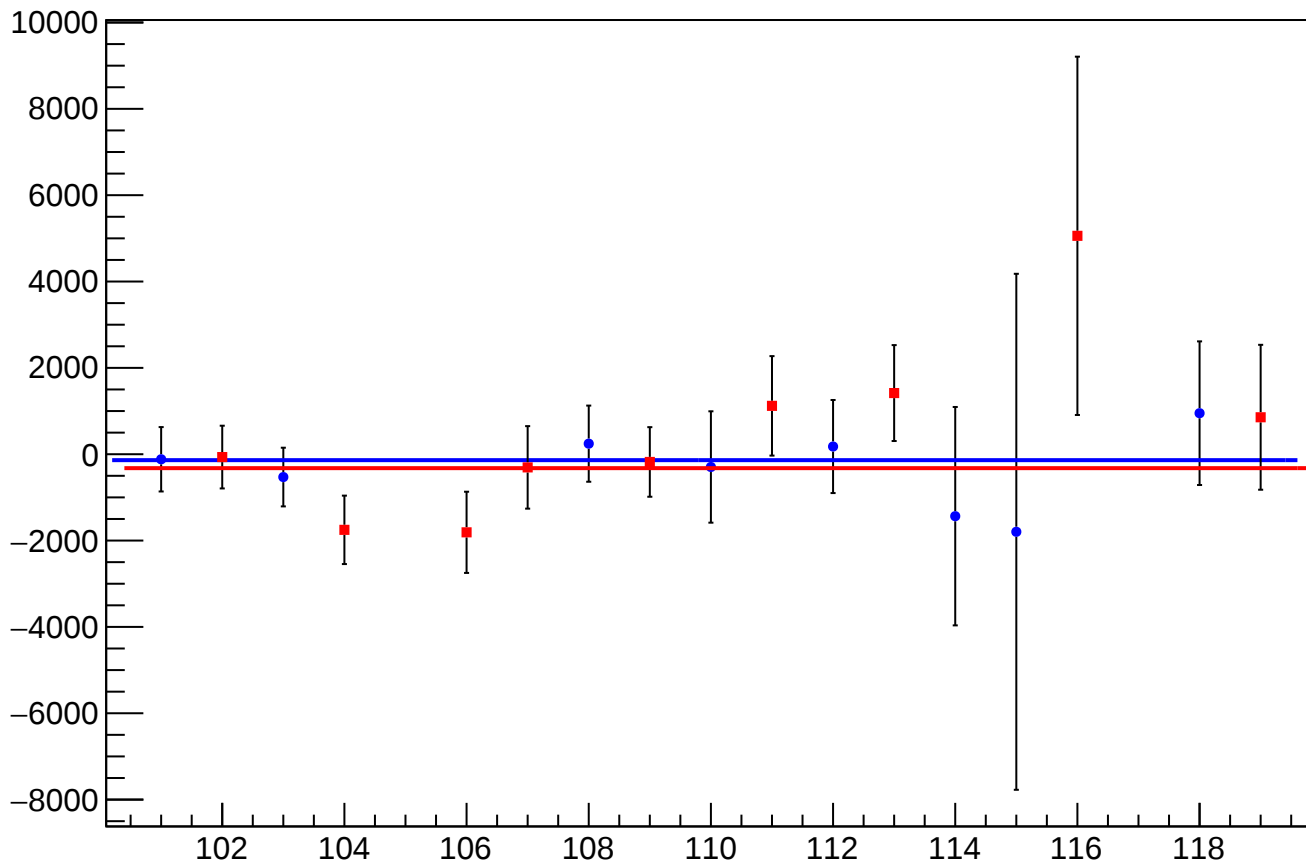
Right: 636.005+/-0.179  $\chi^2/\text{NDF}$ : 1123088.0/16

In: 650.290+/-0.272  $\chi^2/\text{NDF}$ : 483879.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 636.005+/-0.179  $\chi^2/\text{NDF}$ : 1123088.0/16

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -137.462+/-371.234  $\chi^2/\text{NDF}$ : 1.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -322.804+/-329.196  $\chi^2/\text{NDF}$ : 12.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

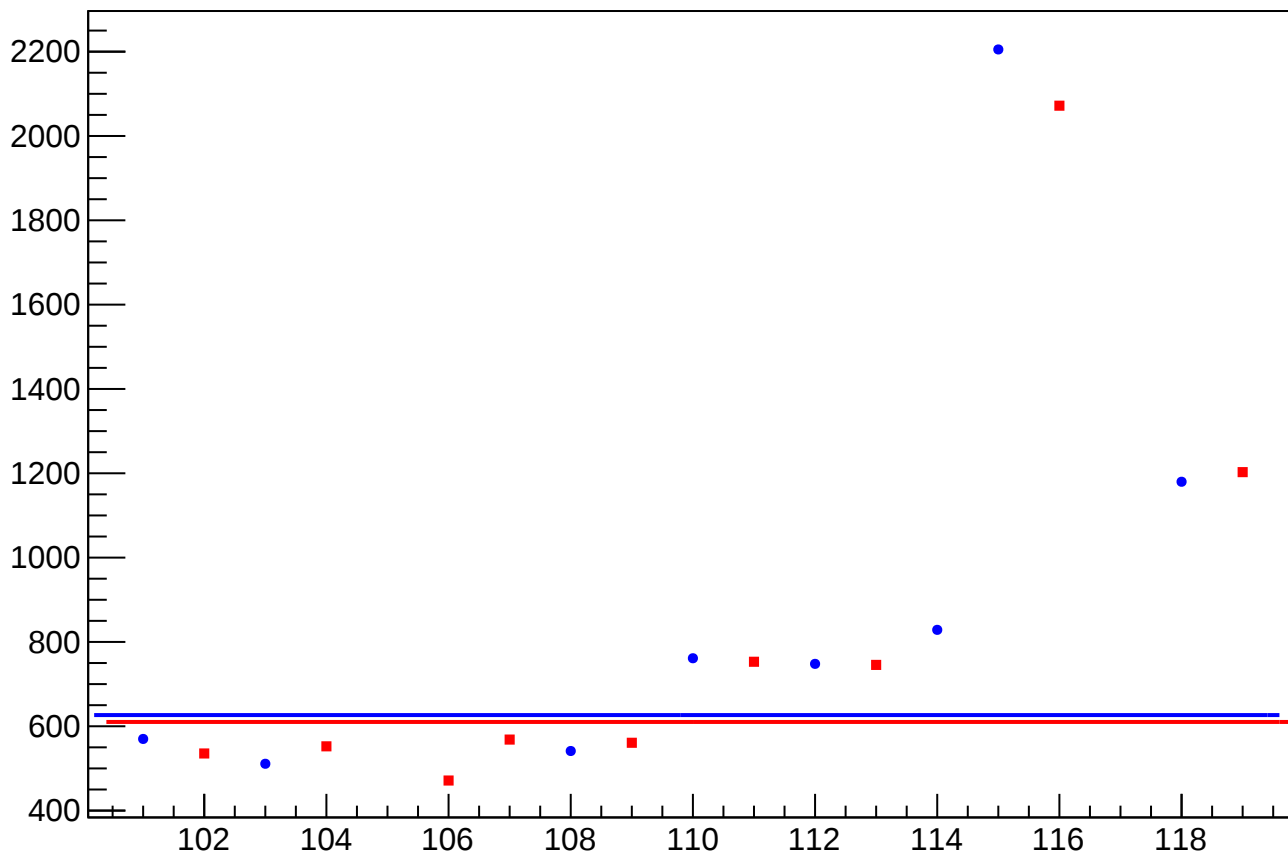
Right: -241.217+/-246.304  $\chi^2/\text{NDF}$ : 13.6/16

In: -137.462+/-371.234  $\chi^2/\text{NDF}$ : 1.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -241.217+/-246.304  $\chi^2/\text{NDF}$ : 13.6/16

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 626.544+/-0.263  $\chi^2/\text{NDF}$ : 508842.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 610.228+/-0.233  $\chi^2/\text{NDF}$ : 644580.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

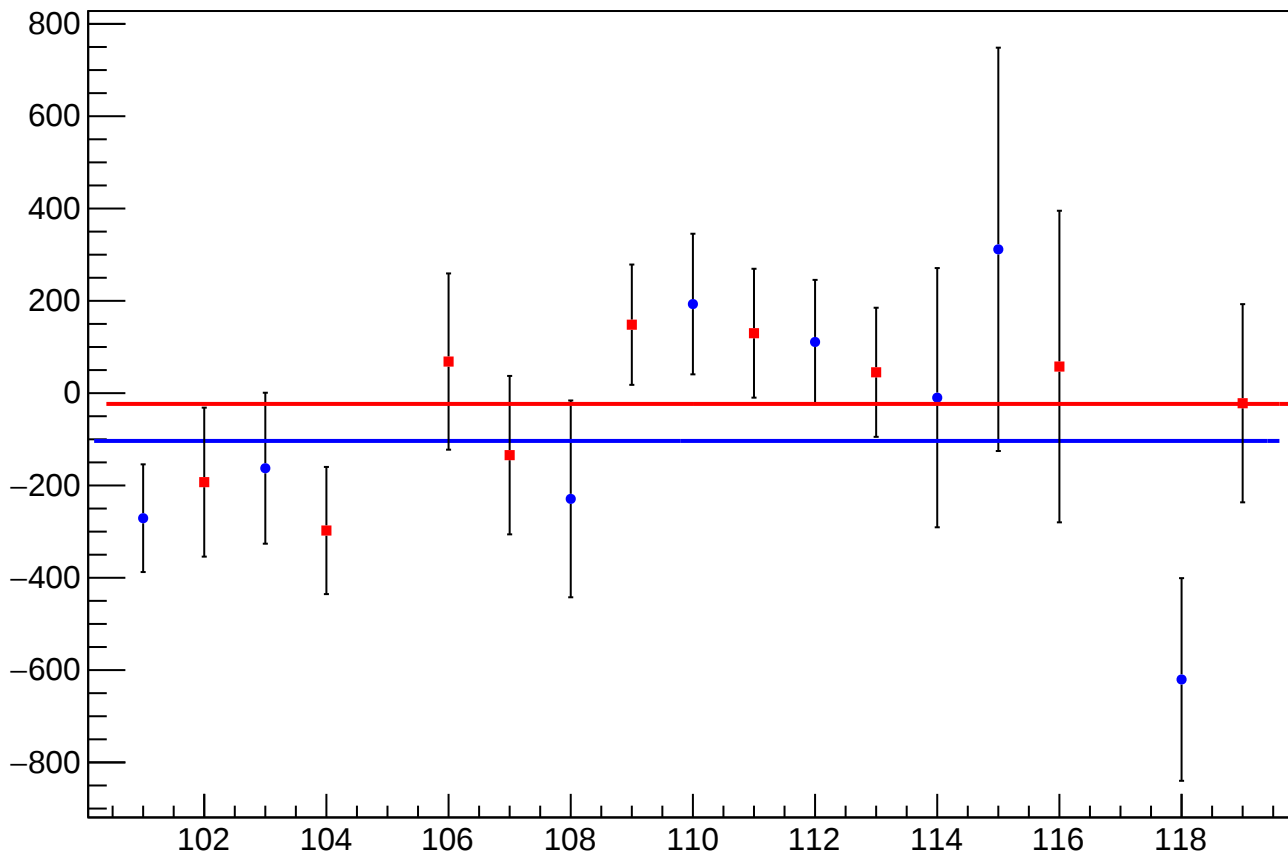
Right: 617.410+/-0.174  $\chi^2/\text{NDF}$ : 1155586.3/16

In: 626.544+/-0.263  $\chi^2/\text{NDF}$ : 508842.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 617.410+/-0.174  $\chi^2/\text{NDF}$ : 1155586.3/16

# dit\_asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -103.507+/-60.871  $\chi^2/\text{NDF}$ : 15.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -23.317+/-53.898  $\chi^2/\text{NDF}$ : 9.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

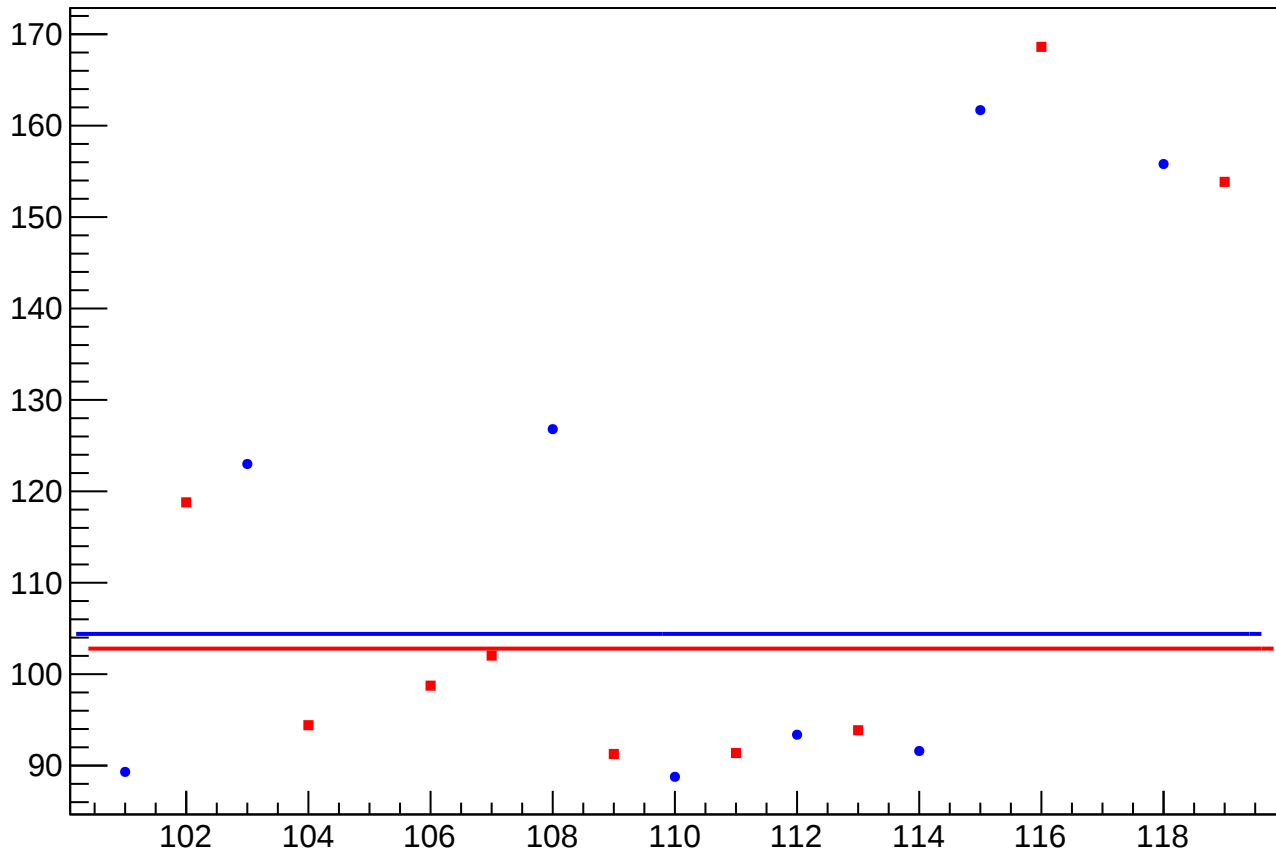
Right: -58.559+/-40.353  $\chi^2/\text{NDF}$ : 25.3/16

In: -103.507+/-60.871  $\chi^2/\text{NDF}$ : 15.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.559+/-40.353  $\chi^2/\text{NDF}$ : 25.3/16

# dit\_asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 104.405+/-0.043  $\chi^2/\text{NDF}$ : 264084.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 102.796+/-0.038  $\chi^2/\text{NDF}$ : 254342.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

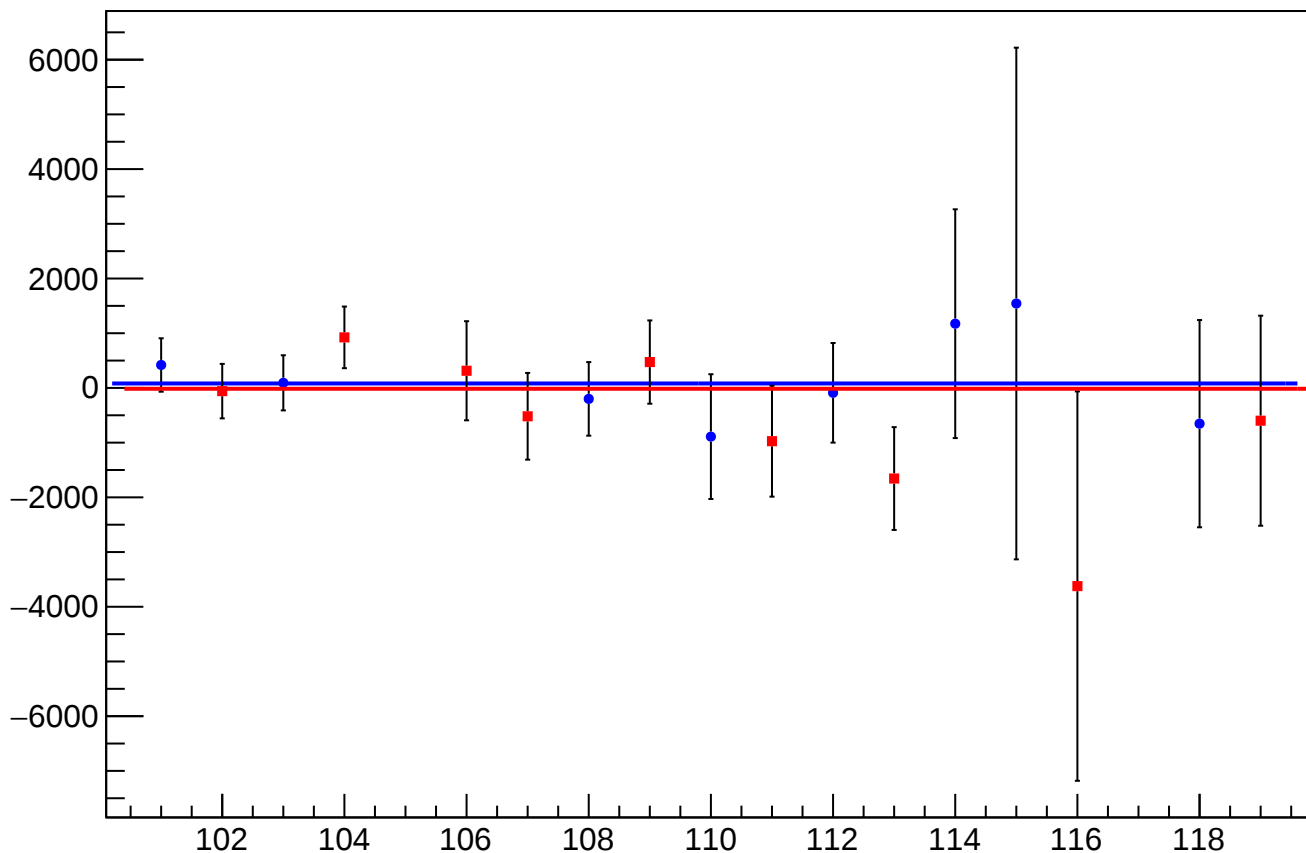
Right: 103.503+/-0.029  $\chi^2/\text{NDF}$ : 519209.6/16

In: 104.405+/-0.043  $\chi^2/\text{NDF}$ : 264084.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 103.503+/-0.029  $\chi^2/\text{NDF}$ : 519209.6/16

# asym\_sam6\_correction\_mean vs Slug, Sign Corrected



Right In: 81.574+/-278.729  $\chi^2/\text{NDF}$ : 1.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -15.342+/-265.540  $\chi^2/\text{NDF}$ : 8.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

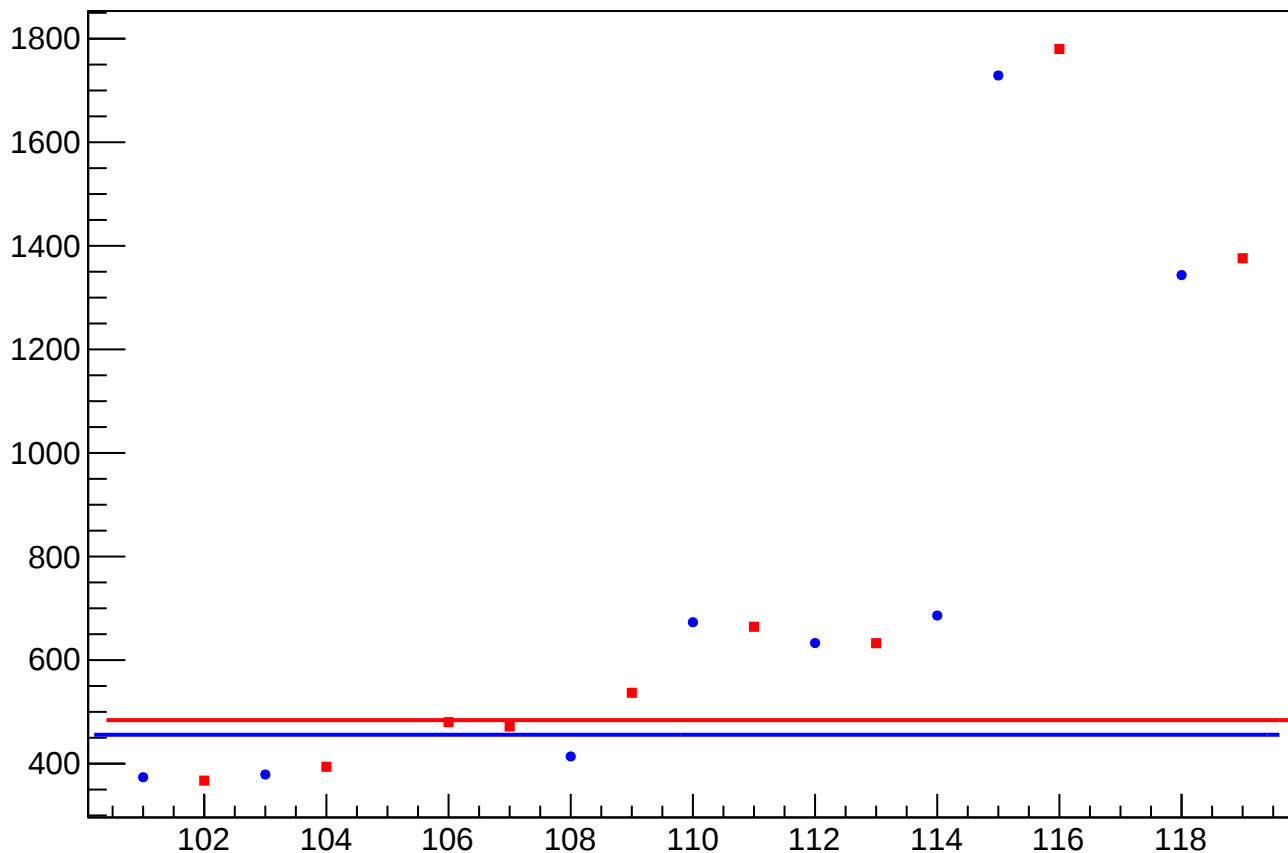
Right: 30.769+/-192.259  $\chi^2/\text{NDF}$ : 10.8/16

In: 81.574+/-278.729  $\chi^2/\text{NDF}$ : 1.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.769+/-192.259  $\chi^2/\text{NDF}$ : 10.8/16

# asym\_sam6\_correction\_rms vs Slug, Sign Corrected



Right In: 455.842+/-0.197  $\chi^2/\text{NDF}$ : 870778.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 484.047+/-0.188  $\chi^2/\text{NDF}$ : 981758.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

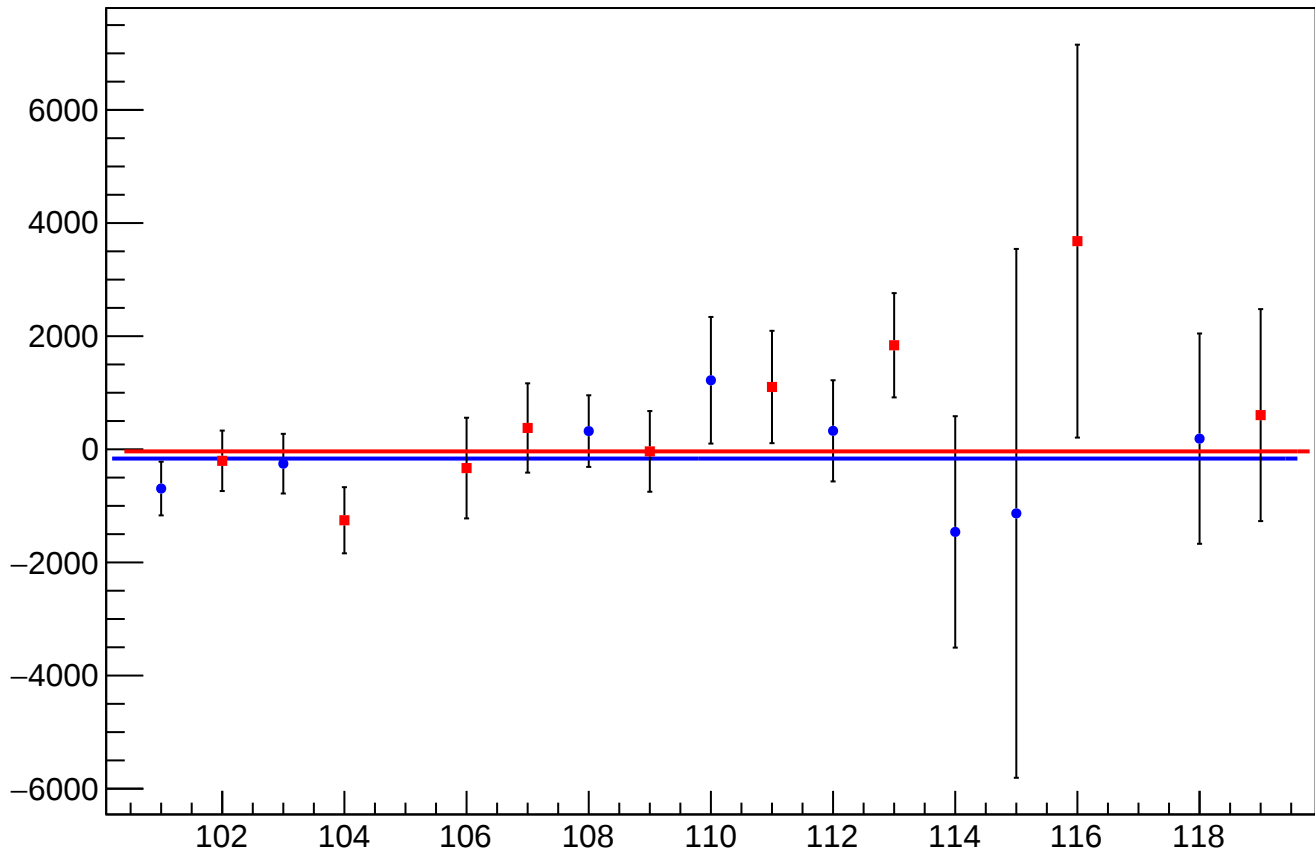
Right: 470.628+/-0.136  $\chi^2/\text{NDF}$ : 1863272.9/16

In: 455.842+/-0.197  $\chi^2/\text{NDF}$ : 870778.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 470.628+/-0.136  $\chi^2/\text{NDF}$ : 1863272.9/16

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In:  $-163.637 \pm 275.764$   $\chi^2/\text{NDF}$ : 4.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-36.777 \pm 269.019$   $\chi^2/\text{NDF}$ : 11.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

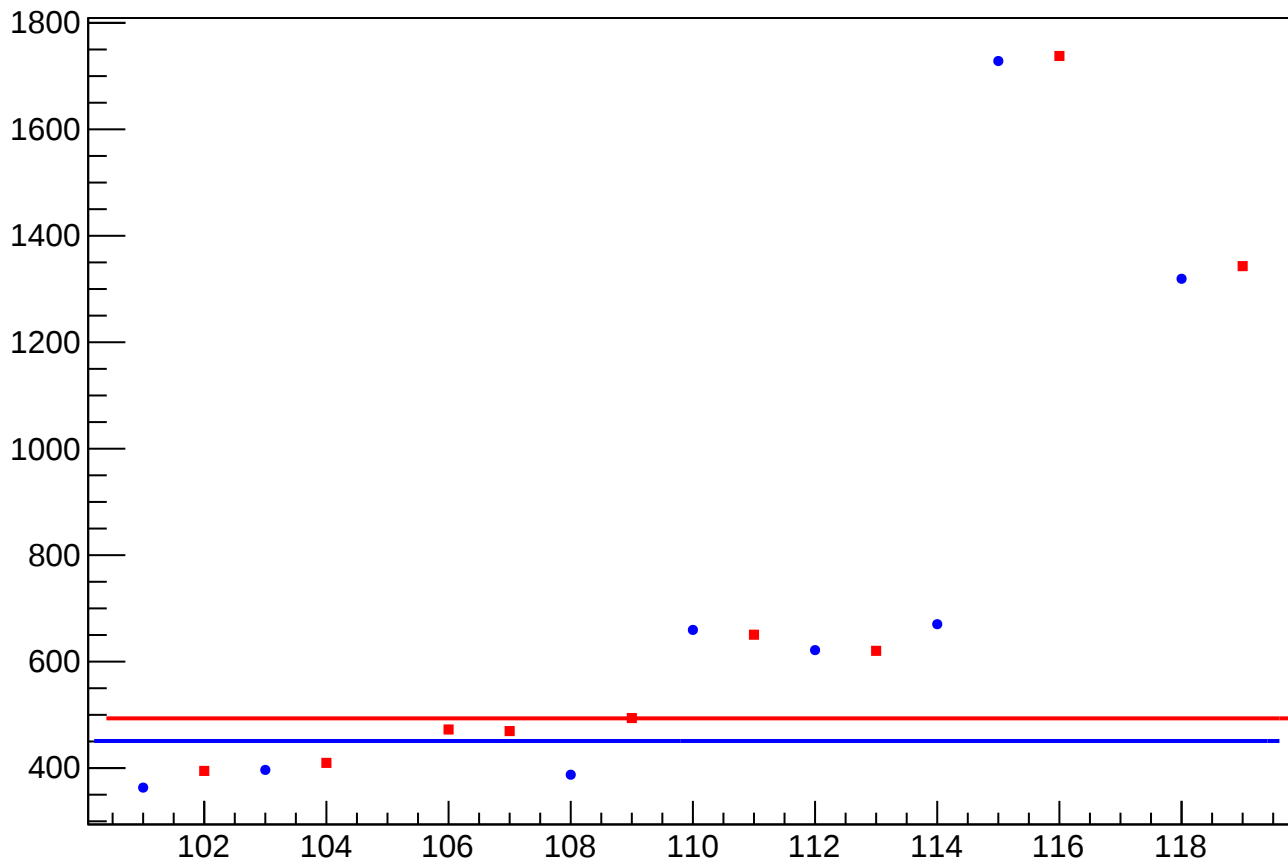
Right:  $-98.637 \pm 192.566$   $\chi^2/\text{NDF}$ : 15.8/16

In:  $-163.637 \pm 275.764$   $\chi^2/\text{NDF}$ : 4.2/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-98.637 \pm 192.566$   $\chi^2/\text{NDF}$ : 15.8/16

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 450.887 $\pm$ 0.195  $\chi^2$ /NDF: 860547.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 493.403 $\pm$ 0.190  $\chi^2$ /NDF: 867945.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

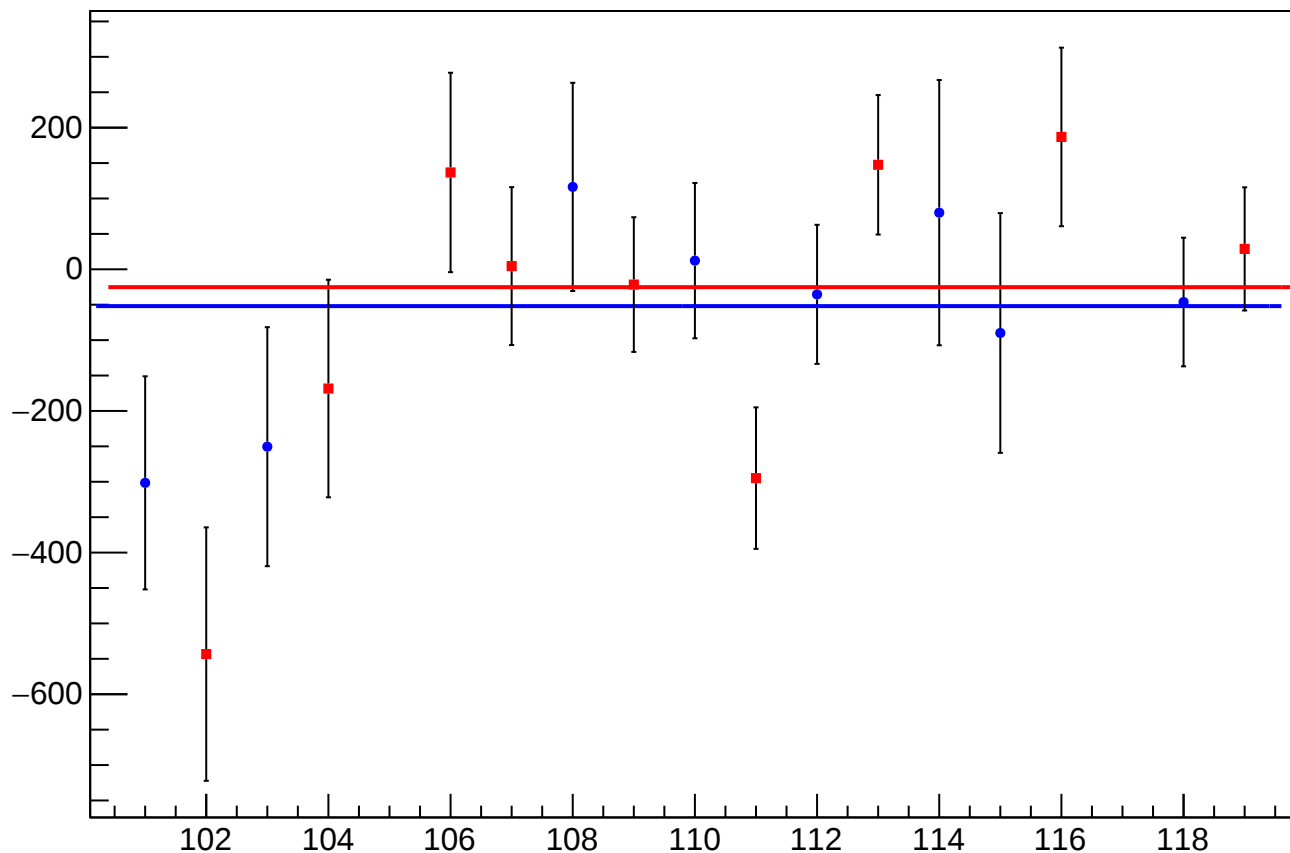
Right: 472.671 $\pm$ 0.136  $\chi^2$ /NDF: 1752852.0/16

In: 450.887 $\pm$ 0.195  $\chi^2$ /NDF:860547.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 472.671 $\pm$ 0.136  $\chi^2$ /NDF: 1752852.0/16

# dit\_asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-51.978 \pm 44.852$   $\chi^2/\text{NDF}$ : 6.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-25.198 \pm 37.435$   $\chi^2/\text{NDF}$ : 24.2/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

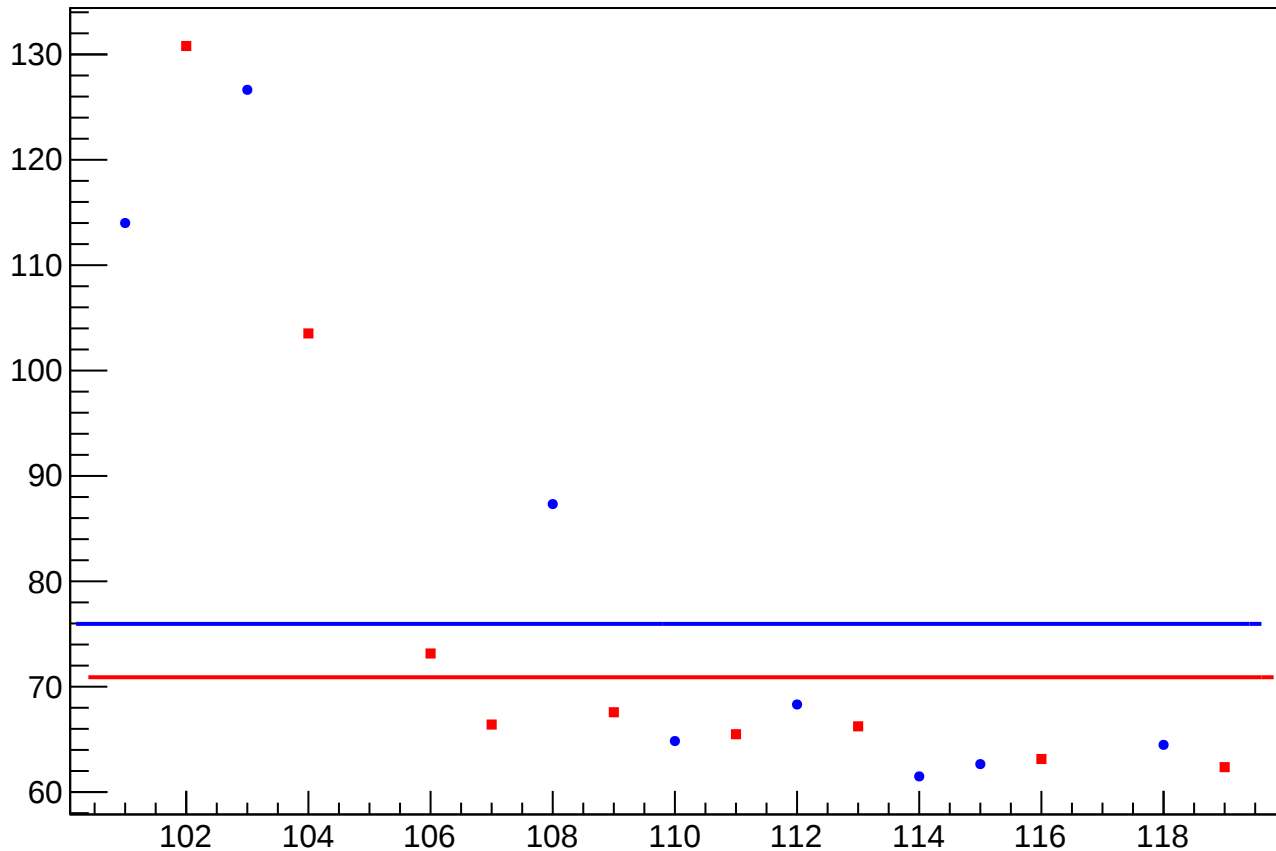
Right:  $-36.194 \pm 28.740$   $\chi^2/\text{NDF}$ : 30.8/16

In:  $-51.978 \pm 44.852$   $\chi^2/\text{NDF}$ : 6.4/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-36.194 \pm 28.740$   $\chi^2/\text{NDF}$ : 30.8/16

# dit\_asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 75.961+/-0.032  $\chi^2/\text{NDF}$ : 409177.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 70.897+/-0.026  $\chi^2/\text{NDF}$ : 357716.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

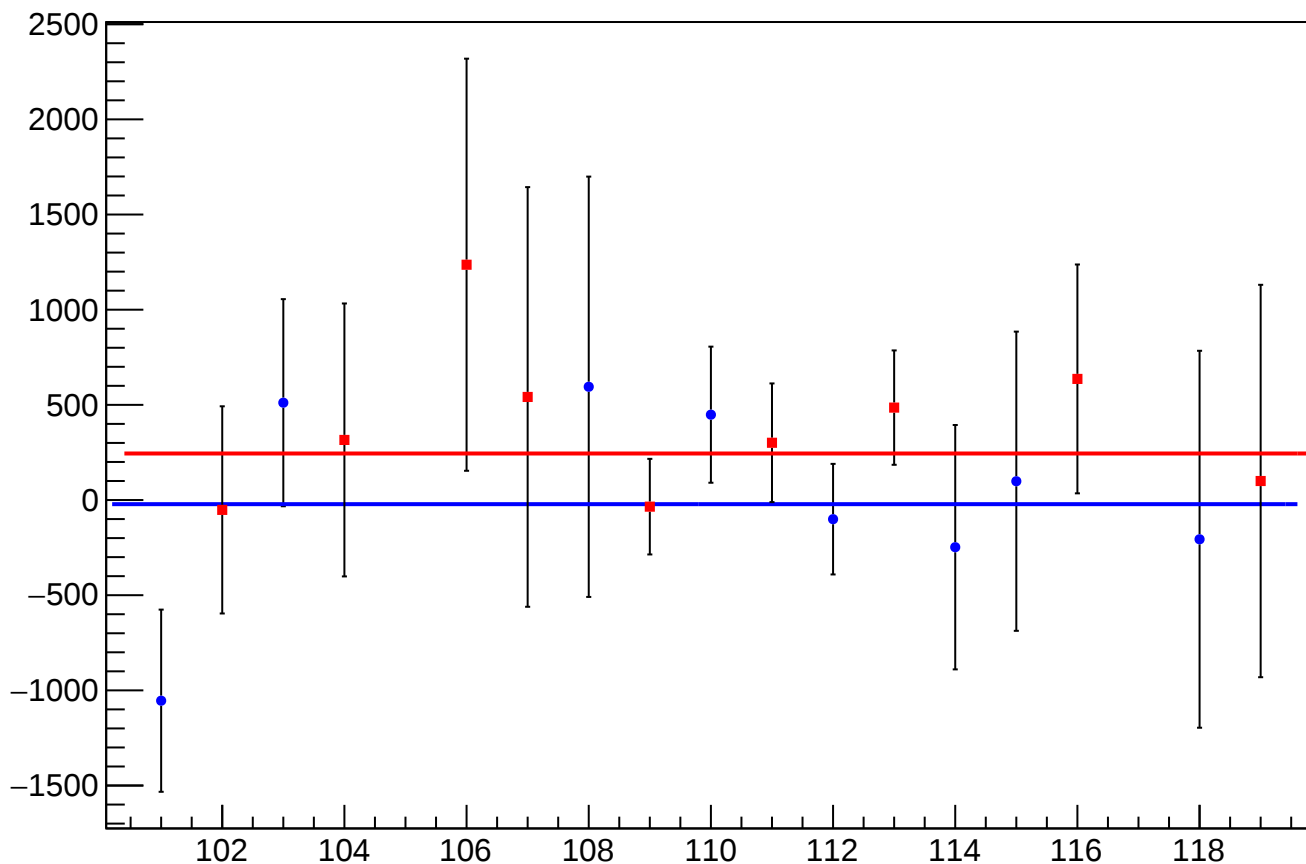
Right: 72.976+/-0.020  $\chi^2/\text{NDF}$ : 781920.8/16

In: 75.961+/-0.032  $\chi^2/\text{NDF}$ :409177.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 72.976+/-0.020  $\chi^2/\text{NDF}$ : 781920.8/16

asym\_sam7\_correction\_mean vs Slug, Sign Corrected



Right In: -21.699+/-173.278  $\chi^2/\text{NDF}$ : 7.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 244.492+/-144.441  $\chi^2/\text{NDF}$ : 3.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

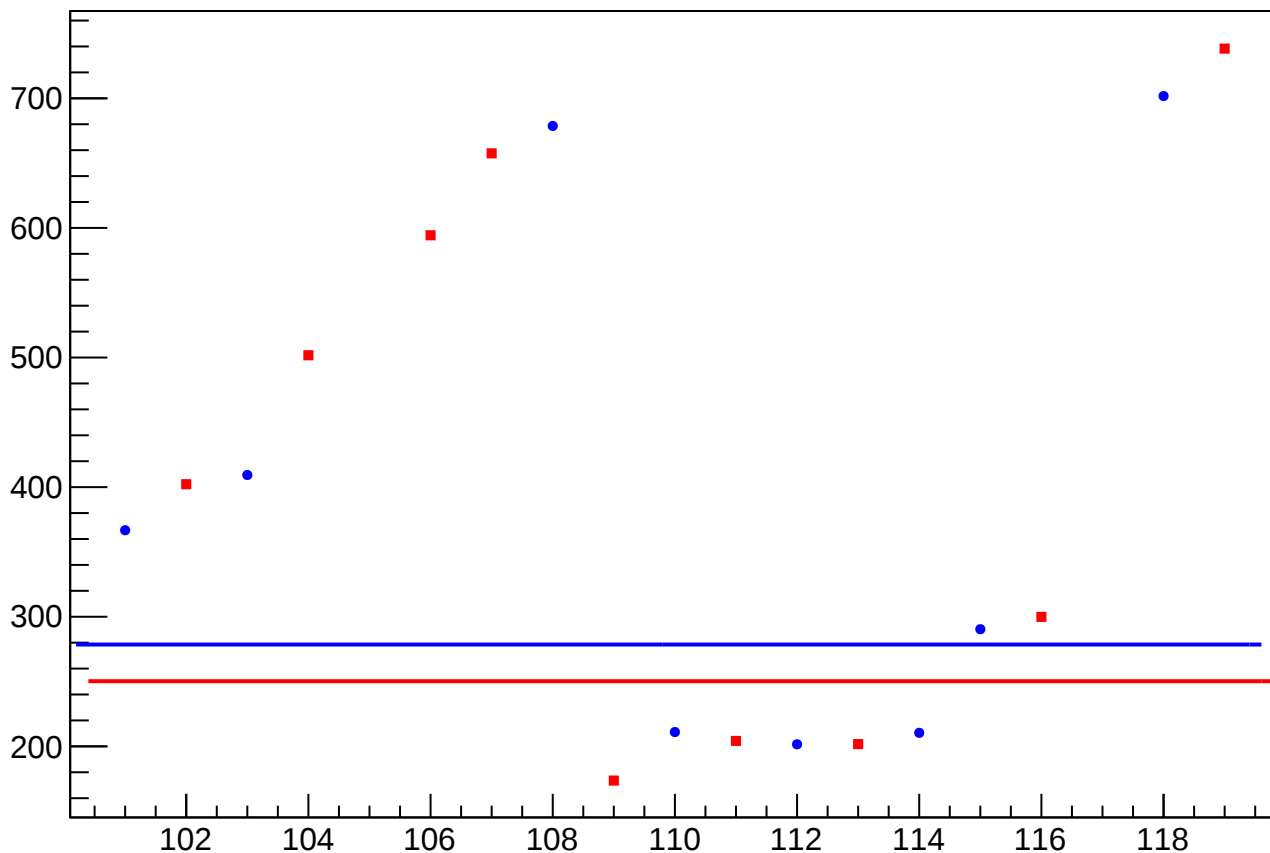
Right: 135.359+/-110.950  $\chi^2/\text{NDF}$ : 12.9/16

In: -21.699+/-173.278  $\chi^2/\text{NDF}$ : 7.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 135.359+/-110.950  $\chi^2/\text{NDF}$ : 12.9/16

asym\_sam7\_correction\_rms vs Slug, Sign Corrected



Right In: 278.560+/-0.123  $\chi^2/\text{NDF}$ : 1046211.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 250.267+/-0.102  $\chi^2/\text{NDF}$ : 1621256.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

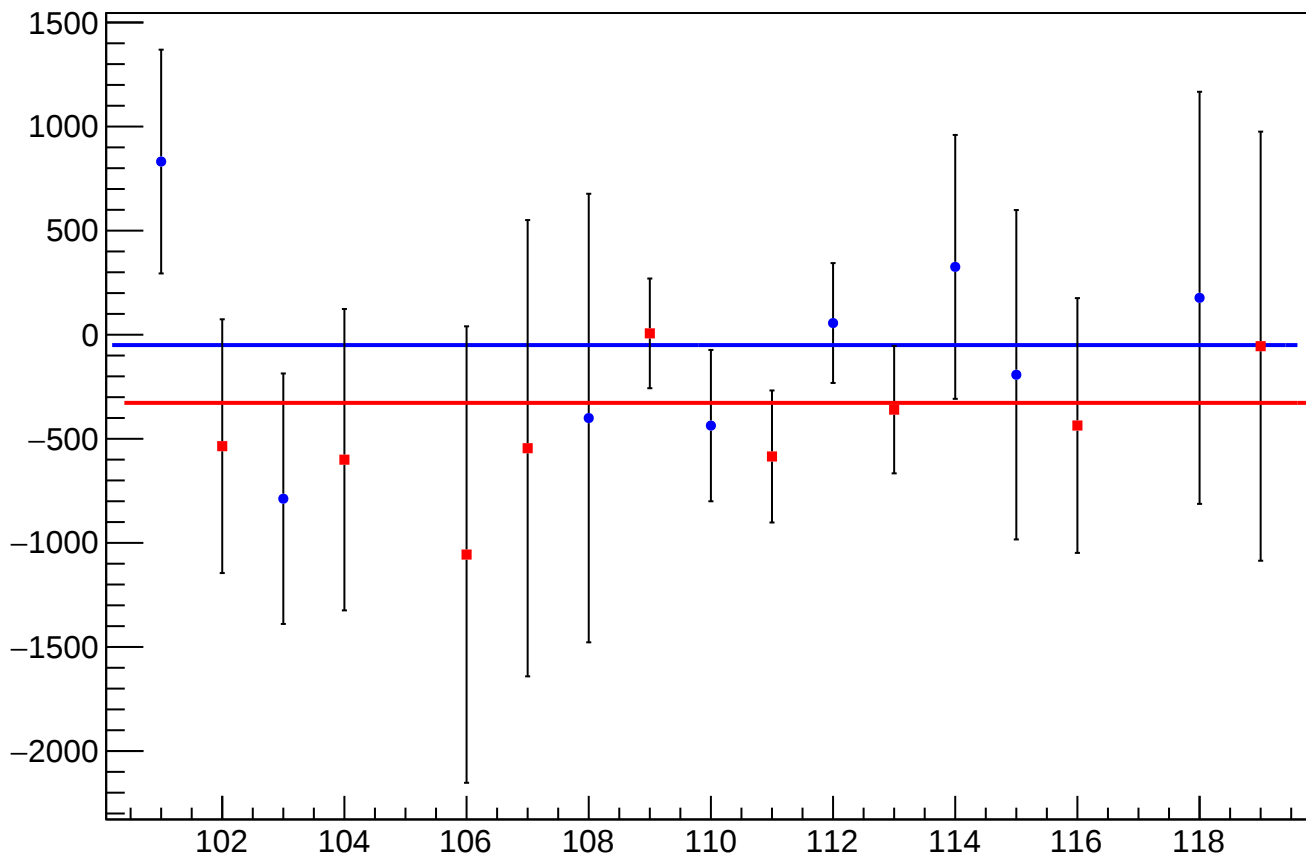
Right: 261.867+/-0.078  $\chi^2/\text{NDF}$ : 2698927.3/16

In: 278.560+/-0.123  $\chi^2/\text{NDF}$ : 1046211.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 261.867+/-0.078  $\chi^2/\text{NDF}$ : 2698927.3/16

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-49.751 \pm 177.265$   $\chi^2/\text{NDF}$ : 6.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-327.407 \pm 149.251$   $\chi^2/\text{NDF}$ : 3.1/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

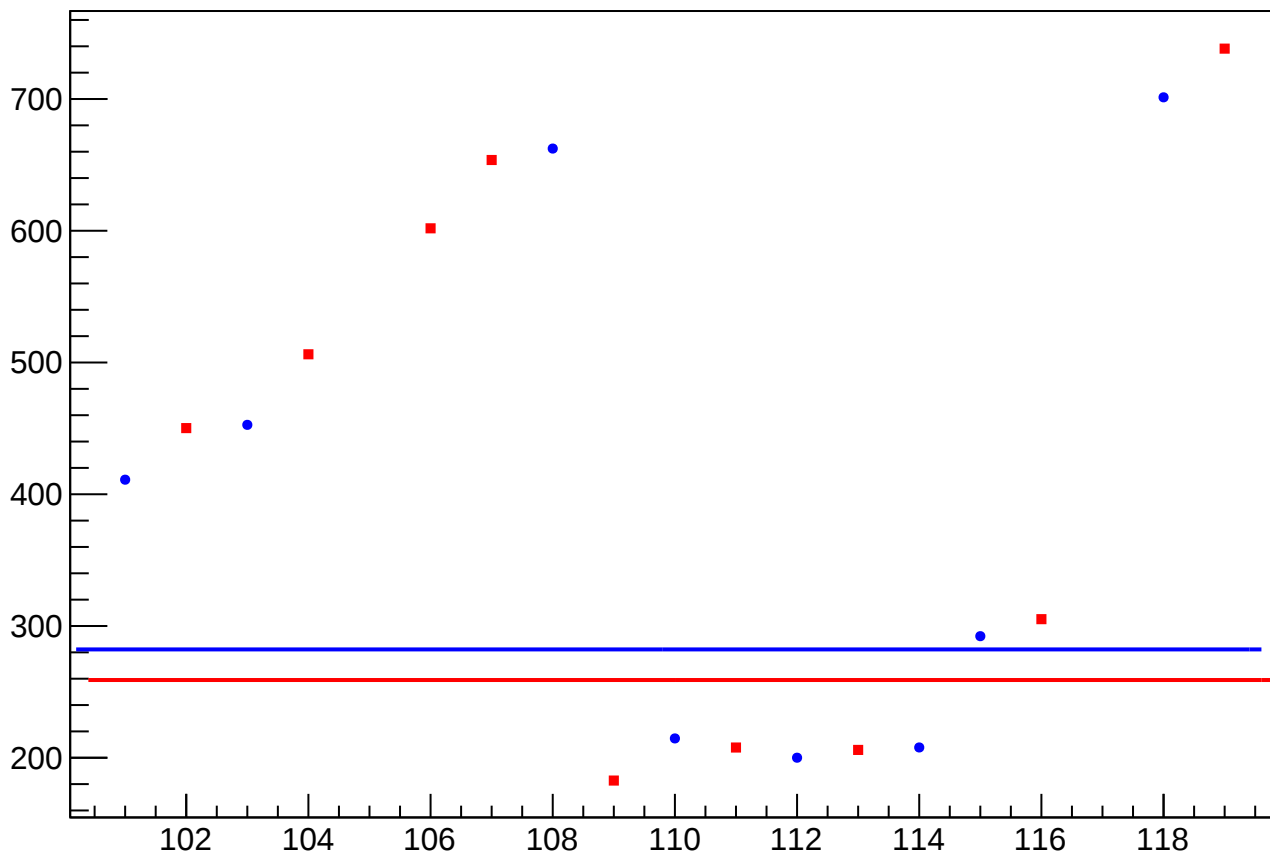
Right:  $-212.227 \pm 114.172$   $\chi^2/\text{NDF}$ : 10.6/16

In:  $-49.751 \pm 177.265$   $\chi^2/\text{NDF}$ : 6.0/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-212.227 \pm 114.172$   $\chi^2/\text{NDF}$ : 10.6/16

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 282.230+/-0.125  $\chi^2/\text{NDF}$ : 1142812.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 259.004+/-0.106  $\chi^2/\text{NDF}$ : 1608785.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

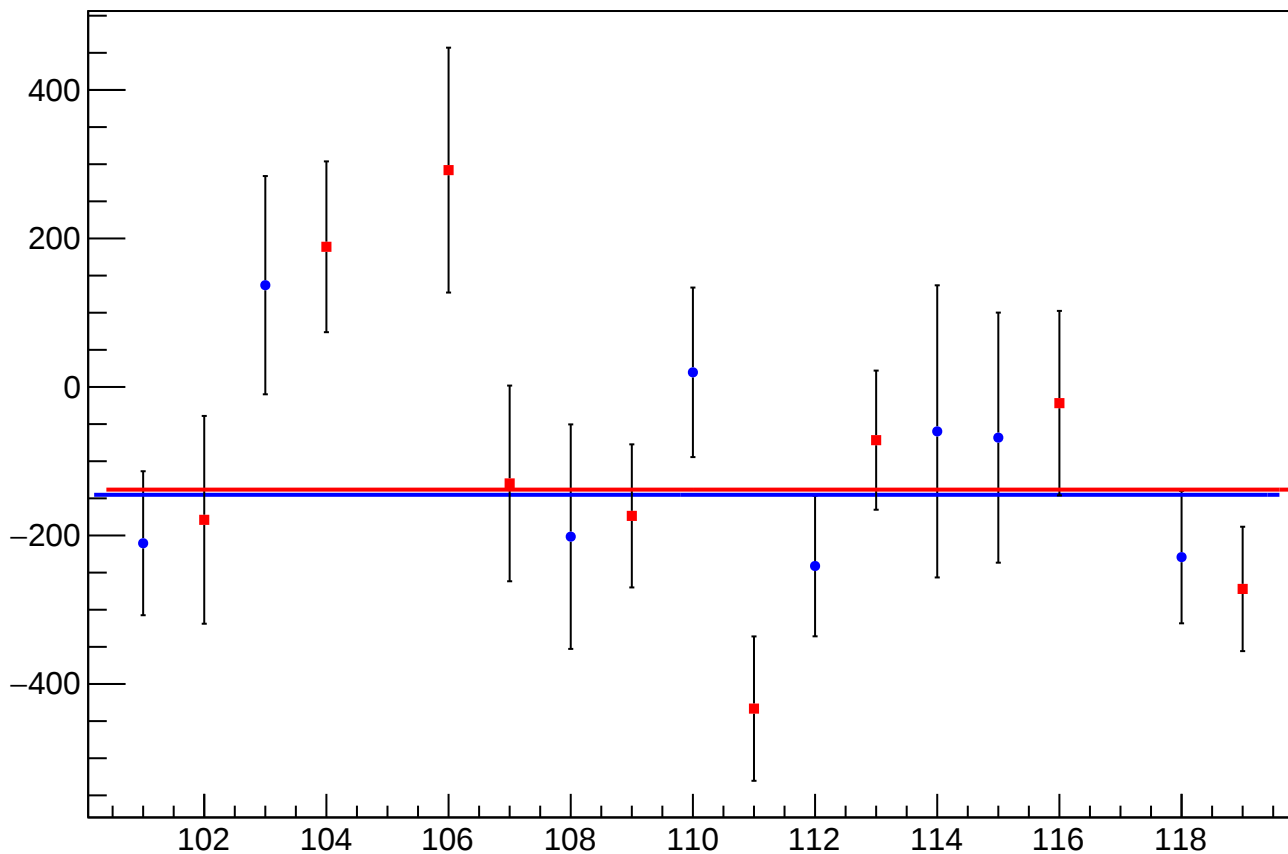
Right: 268.639+/-0.081  $\chi^2/\text{NDF}$ : 2771689.3/16

In: 282.230+/-0.125  $\chi^2/\text{NDF}$ : 1142812.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 268.639+/-0.081  $\chi^2/\text{NDF}$ : 2771689.3/16

# dit\_asym\_sam8\_mean vs Slug, Sign Corrected



Right In: -145.212 $\pm$ 41.831  $\chi^2$ /NDF: 8.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -138.237 $\pm$ 36.374  $\chi^2$ /NDF: 28.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

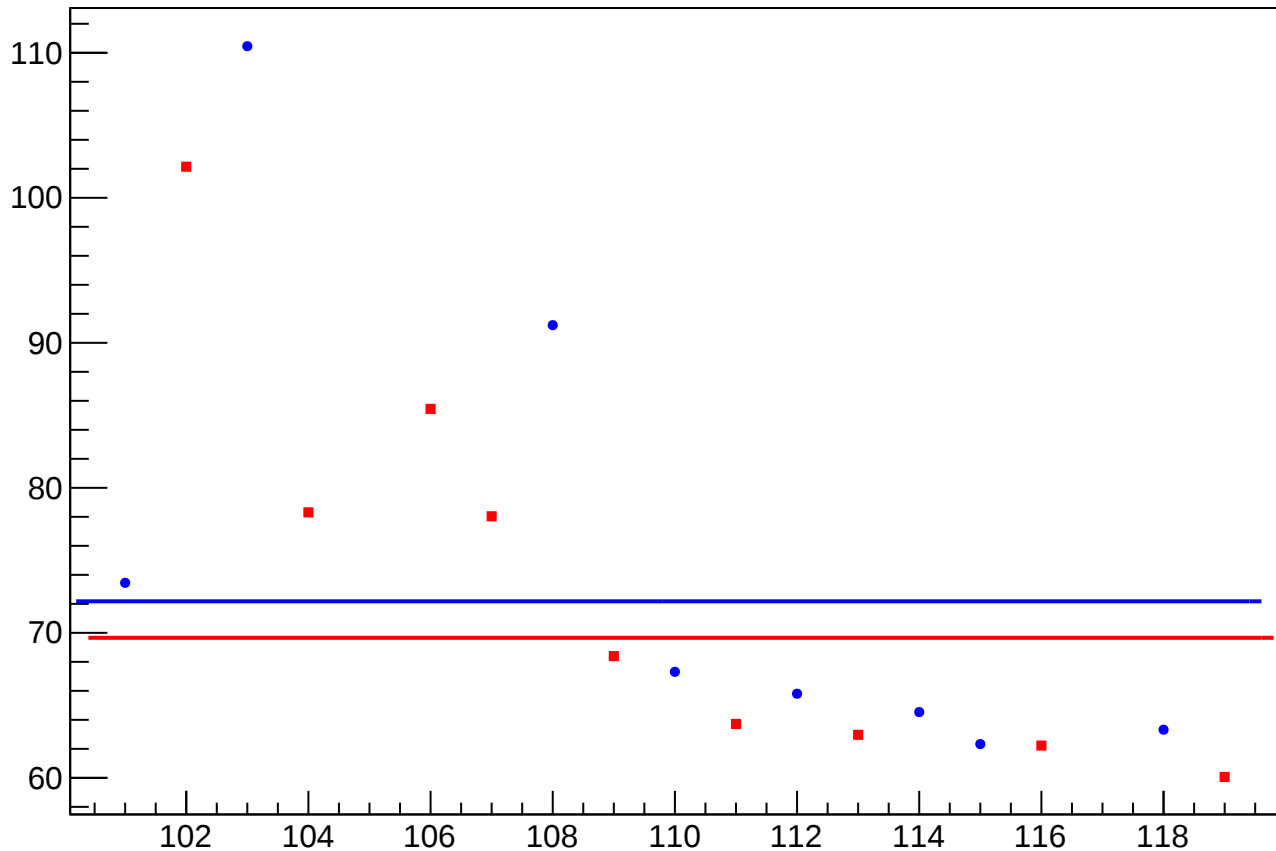
Right: -141.240 $\pm$ 27.448  $\chi^2$ /NDF: 36.9/16

In: -145.212 $\pm$ 41.831  $\chi^2$ /NDF:8.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -141.240 $\pm$ 27.448  $\chi^2$ /NDF: 36.9/16

# dit\_asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 72.174+/-0.030  $\chi^2/\text{NDF}$ : 210023.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 69.659+/-0.026  $\chi^2/\text{NDF}$ : 196954.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

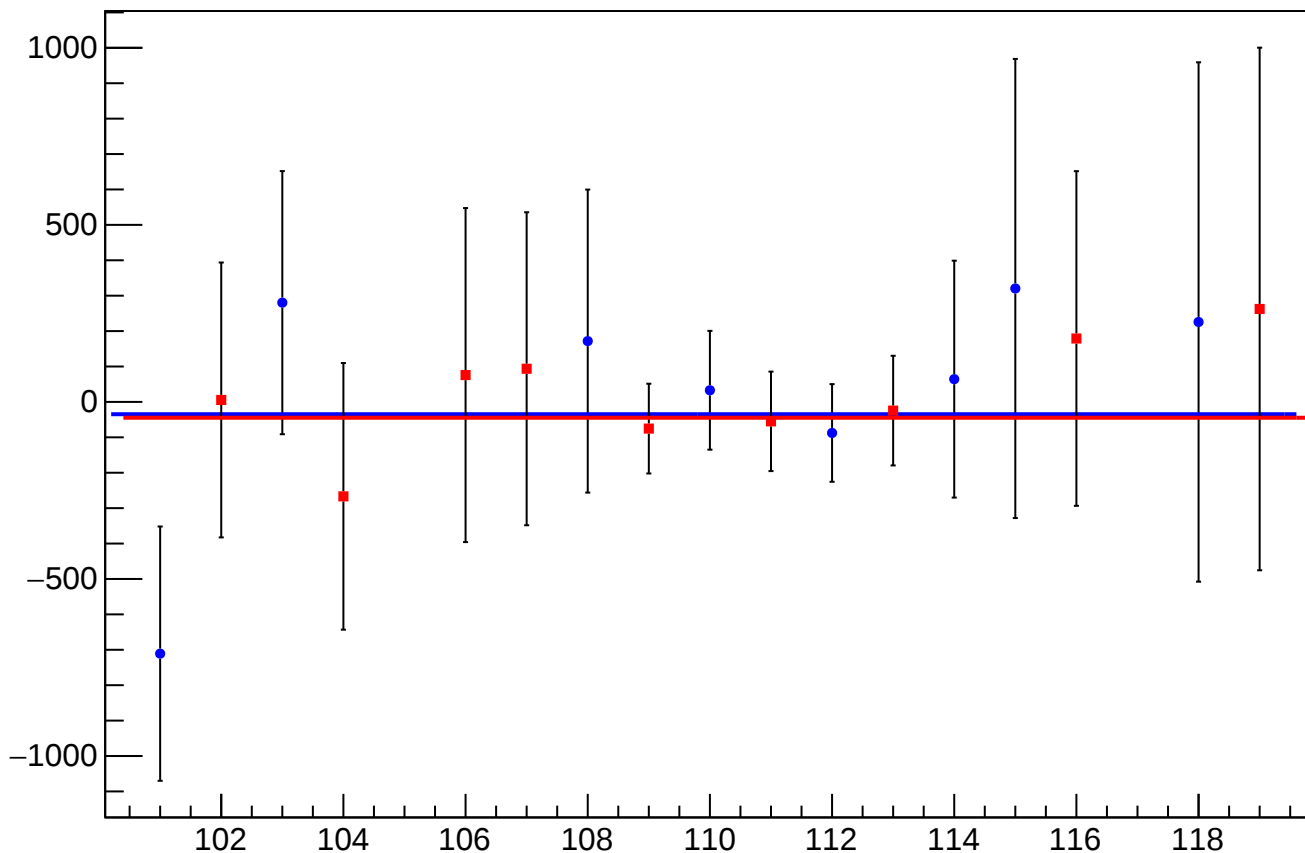
Right: 70.742+/-0.019  $\chi^2/\text{NDF}$ : 411095.4/16

In: 72.174+/-0.030  $\chi^2/\text{NDF}$ : 210023.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 70.742+/-0.019  $\chi^2/\text{NDF}$ : 411095.4/16

# asym\_sam8\_correction\_mean vs Slug, Sign Corrected



Right In: -34.757+/-90.619  $\chi^2/\text{NDF}$ : 5.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -44.701+/-73.666  $\chi^2/\text{NDF}$ : 1.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

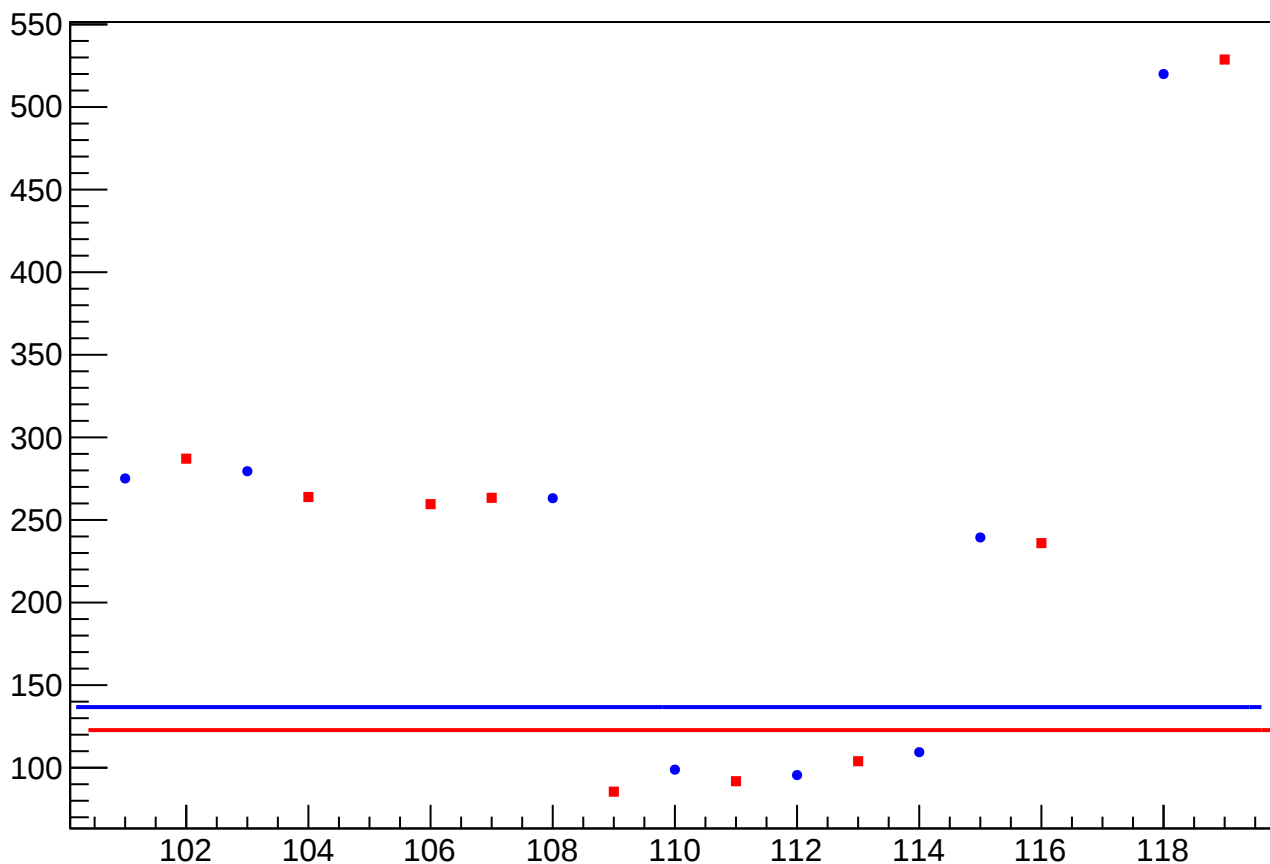
Right: -40.745+/-57.161  $\chi^2/\text{NDF}$ : 6.3/16

In: -34.757+/-90.619  $\chi^2/\text{NDF}$ :5.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -40.745+/-57.161  $\chi^2/\text{NDF}$ : 6.3/16

# asym\_sam8\_correction\_rms vs Slug, Sign Corrected



Right In: 136.717 $\pm$ 0.064  $\chi^2$ /NDF: 1657325.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 122.772 $\pm$ 0.052  $\chi^2$ /NDF: 2029840.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

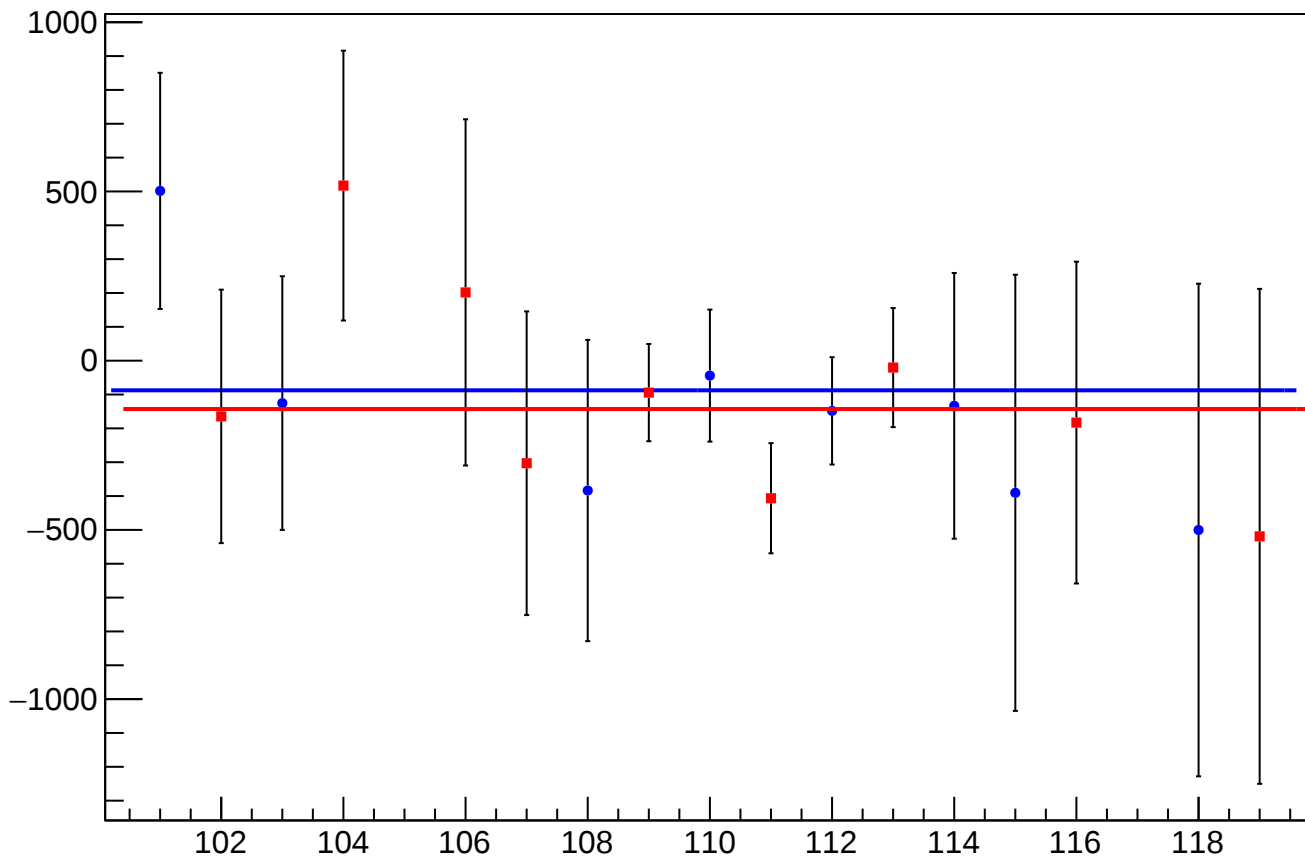
Right: 128.321 $\pm$ 0.040  $\chi^2$ /NDF: 3715682.9/16

In: 136.717 $\pm$ 0.064  $\chi^2$ /NDF:1657325.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 128.321 $\pm$ 0.040  $\chi^2$ /NDF: 3715682.9/16

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In: -87.546+/-101.423  $\chi^2/\text{NDF}$ : 4.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -142.854+/-82.469  $\chi^2/\text{NDF}$ : 6.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

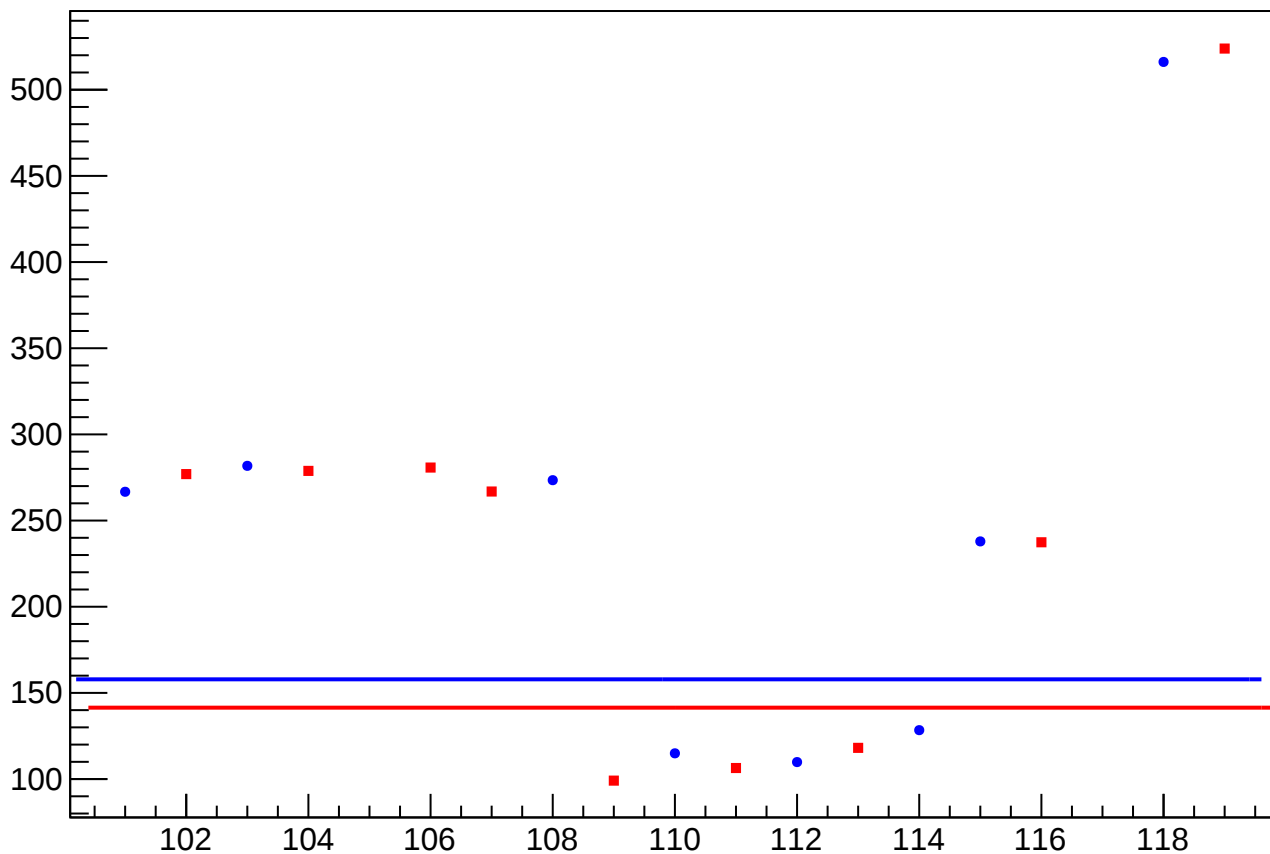
Right: -120.841+/-63.986  $\chi^2/\text{NDF}$ : 11.1/16

In: -87.546+/-101.423  $\chi^2/\text{NDF}$ : 4.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -120.841+/-63.986  $\chi^2/\text{NDF}$ : 11.1/16

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 157.874+/-0.072  $\chi^2/\text{NDF}$ : 1355051.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 141.433+/-0.058  $\chi^2/\text{NDF}$ : 1734548.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

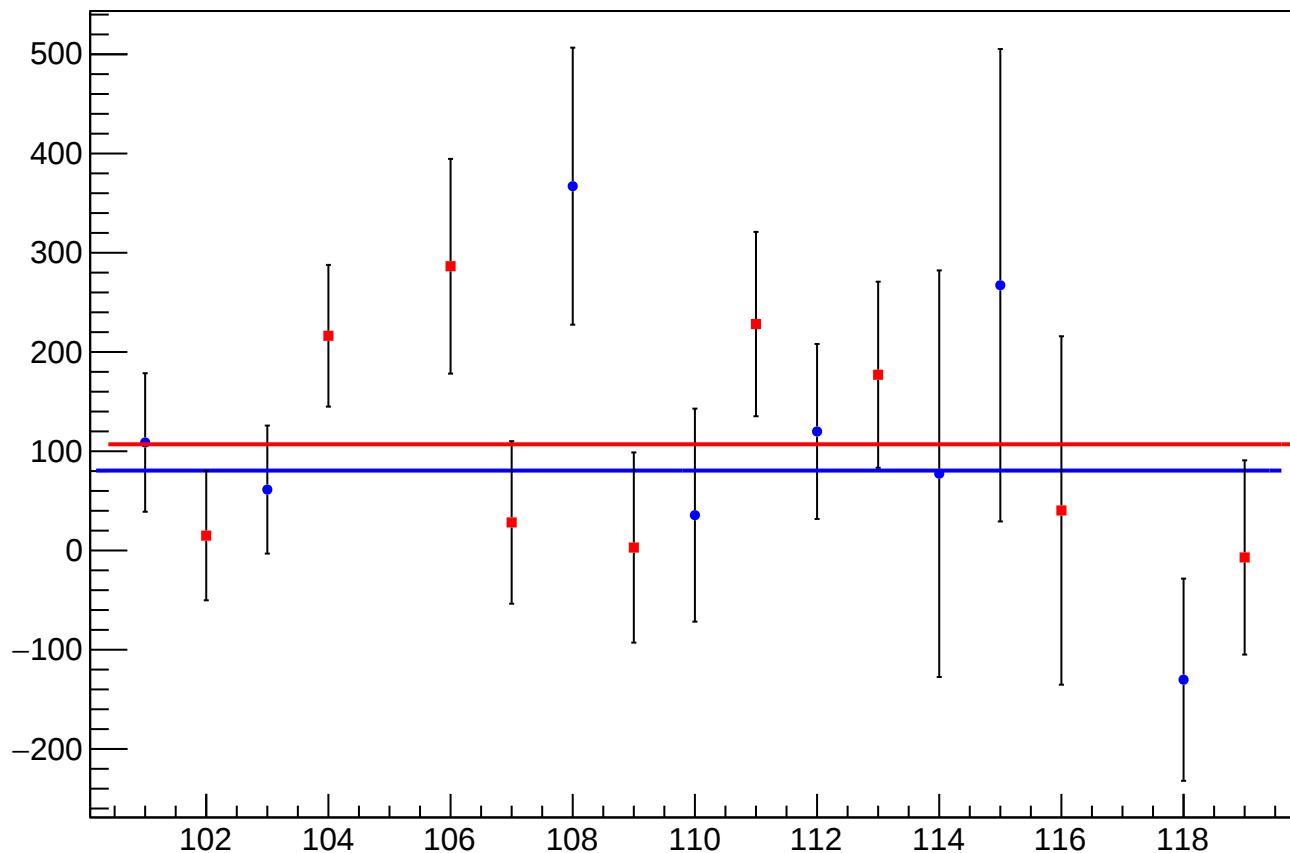
Right: 147.977+/-0.045  $\chi^2/\text{NDF}$ : 3121235.1/16

In: 157.874+/-0.072  $\chi^2/\text{NDF}$ : 1355051.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 147.977+/-0.045  $\chi^2/\text{NDF}$ : 3121235.1/16

dit\_asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 80.525+/-34.295  $\chi^2/\text{NDF}$ : 9.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 107.008+/-29.600  $\chi^2/\text{NDF}$ : 13.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

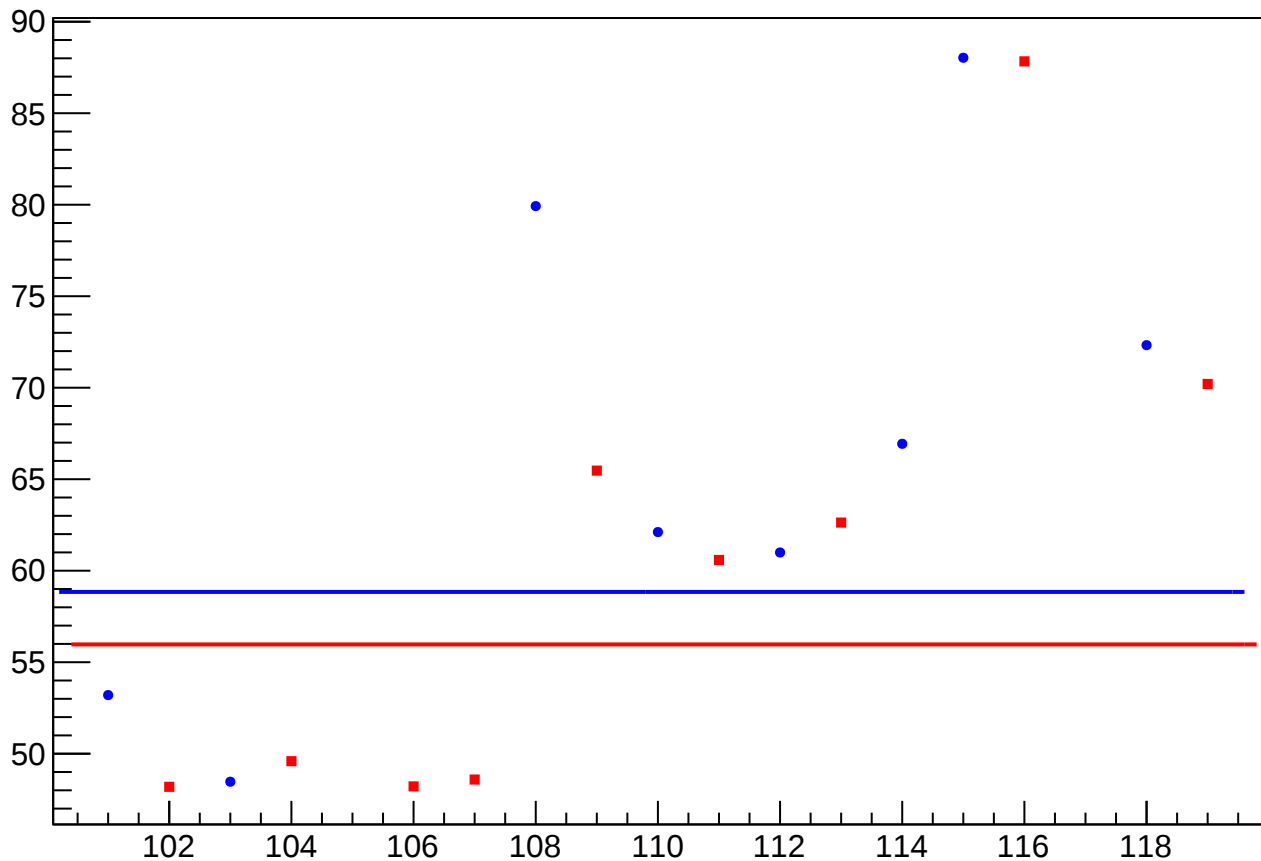
Right: 95.702+/-22.408  $\chi^2/\text{NDF}$ : 23.0/16

In: 80.525+/-34.295  $\chi^2/\text{NDF}$ : 9.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 95.702+/-22.408  $\chi^2/\text{NDF}$ : 23.0/16

dit\_asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 58.841+/-0.024  $\chi^2/\text{NDF}$ : 181695.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 55.972+/-0.021  $\chi^2/\text{NDF}$ : 213849.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

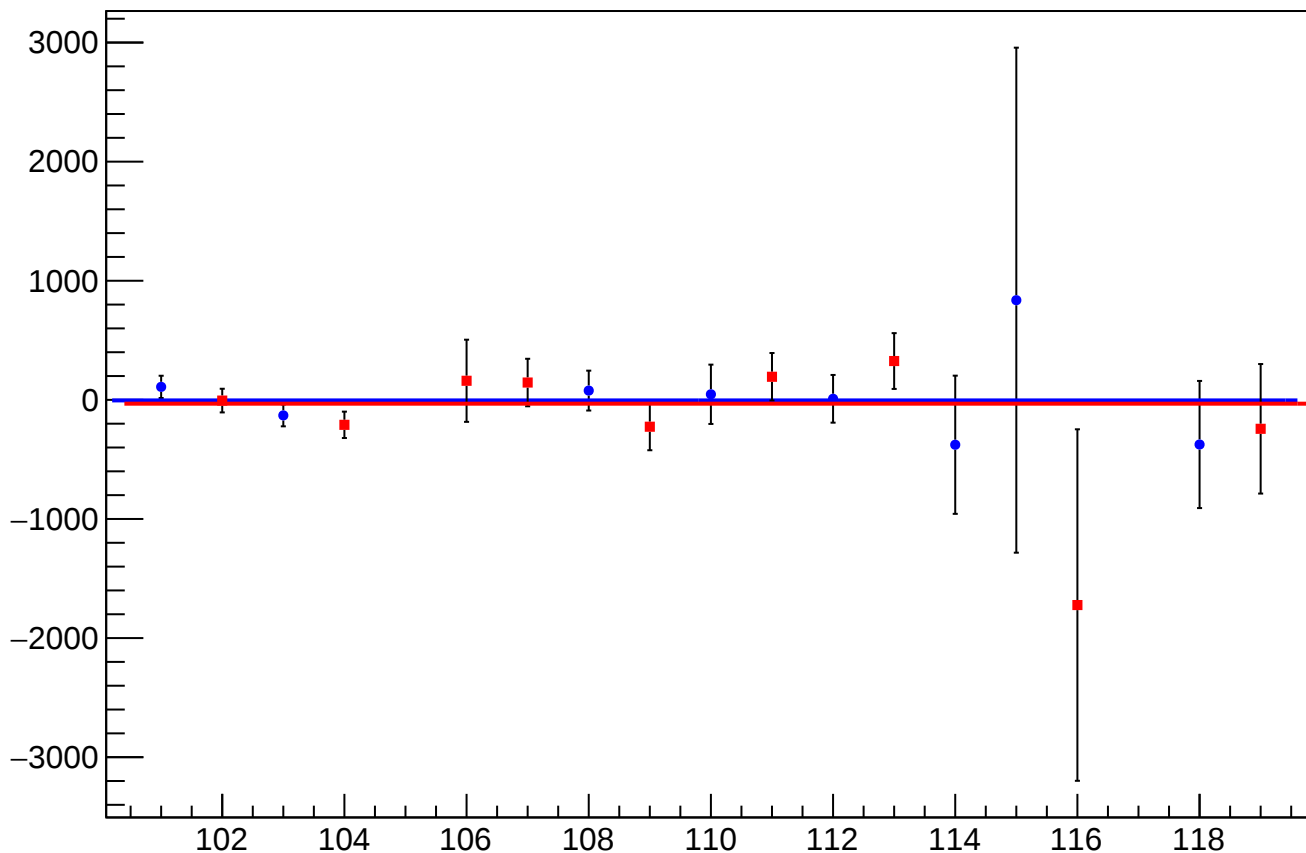
Right: 57.197+/-0.016  $\chi^2/\text{NDF}$ : 403569.4/16

In: 58.841+/-0.024  $\chi^2/\text{NDF}$ :181695.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 57.197+/-0.016  $\chi^2/\text{NDF}$ : 403569.4/16

asym\_sam\_15\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -4.570+/-56.213  $\chi^2/\text{NDF}$ : 4.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -32.093+/-58.789  $\chi^2/\text{NDF}$ : 9.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

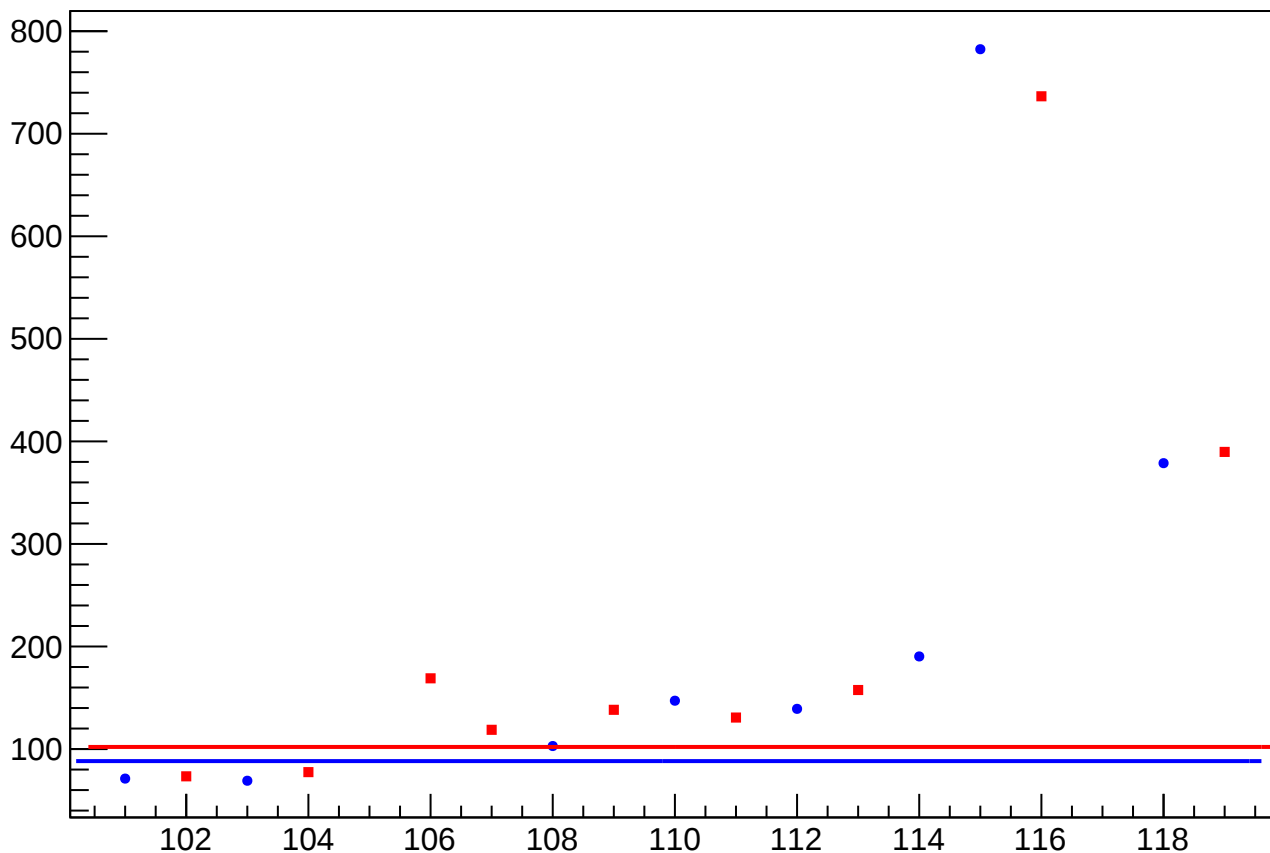
Right: -17.716+/-40.629  $\chi^2/\text{NDF}$ : 14.6/16

In: -4.570+/-56.213  $\chi^2/\text{NDF}$ : 4.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -17.716+/-40.629  $\chi^2/\text{NDF}$ : 14.6/16

asym\_sam\_15\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 88.250+/-0.040  $\chi^2/\text{NDF}$ : 1279090.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 102.055+/-0.042  $\chi^2/\text{NDF}$ : 1504692.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

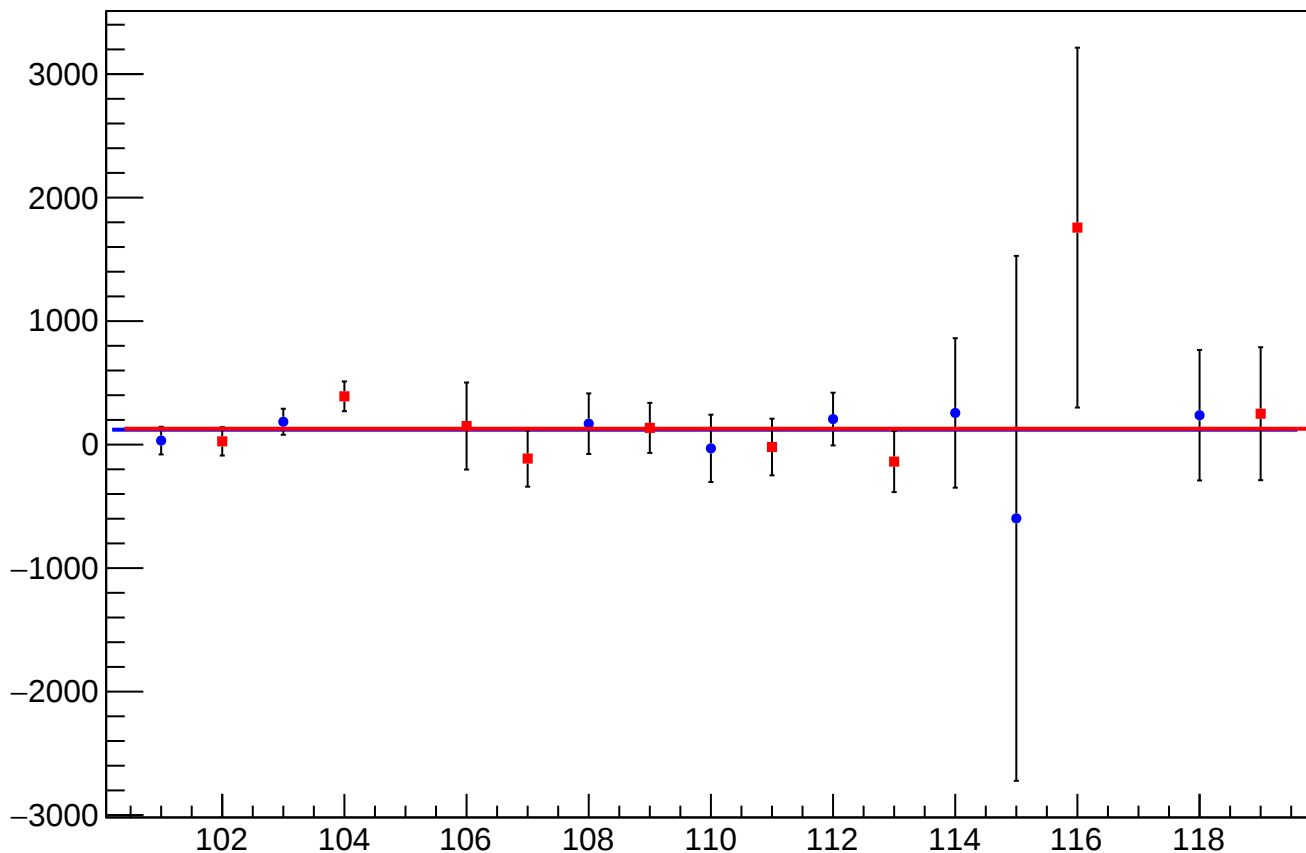
Right: 94.844+/-0.029  $\chi^2/\text{NDF}$ : 2841391.9/16

In: 88.250+/-0.040  $\chi^2/\text{NDF}$ : 1279090.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 94.844+/-0.029  $\chi^2/\text{NDF}$ : 2841391.9/16

# asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 120.855+/-66.198  $\chi^2/\text{NDF}$ : 1.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 128.433+/-65.142  $\chi^2/\text{NDF}$ : 9.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

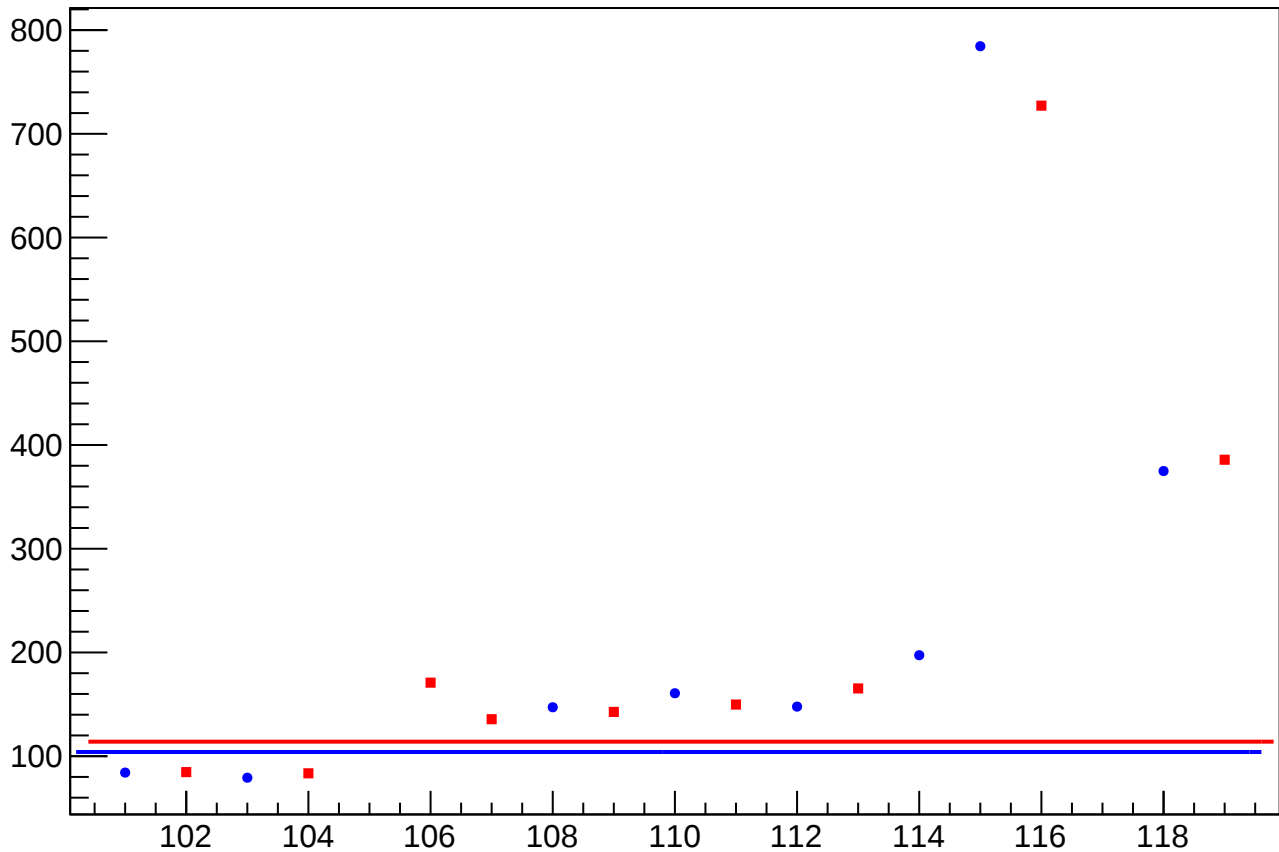
Right: 124.705+/-46.431  $\chi^2/\text{NDF}$ : 11.3/16

In: 120.855+/-66.198  $\chi^2/\text{NDF}$ : 1.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 124.705+/-46.431  $\chi^2/\text{NDF}$ : 11.3/16

# asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 104.041+/-0.047  $\chi^2/\text{NDF}$ : 1183597.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 114.003+/-0.046  $\chi^2/\text{NDF}$ : 1368290.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

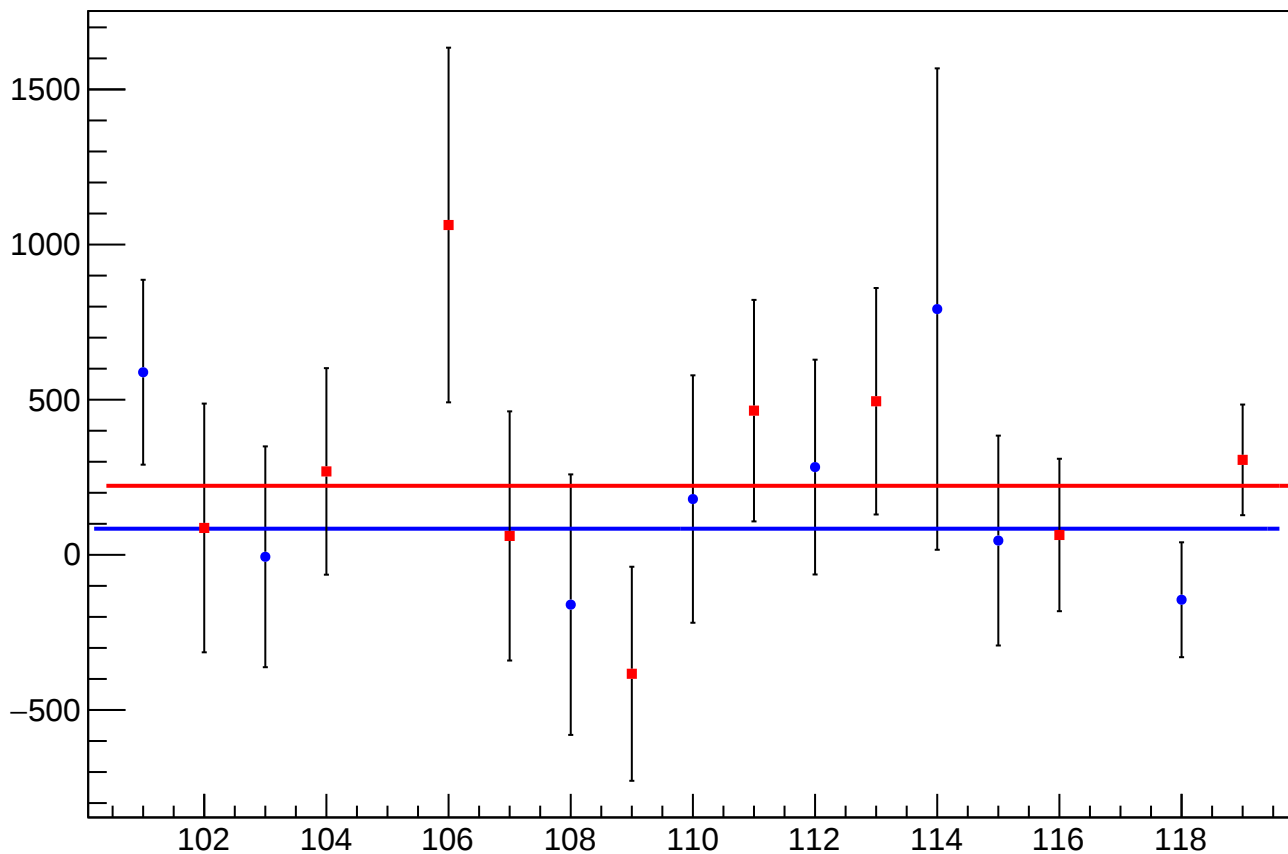
Right: 109.102+/-0.033  $\chi^2/\text{NDF}$ : 2574896.0/16

In: 104.041+/-0.047  $\chi^2/\text{NDF}$ :1183597.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 109.102+/-0.033  $\chi^2/\text{NDF}$ : 2574896.0/16

dit\_asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 84.242+/-112.475  $\chi^2/\text{NDF}$ : 6.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 222.523+/-101.901  $\chi^2/\text{NDF}$ : 7.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

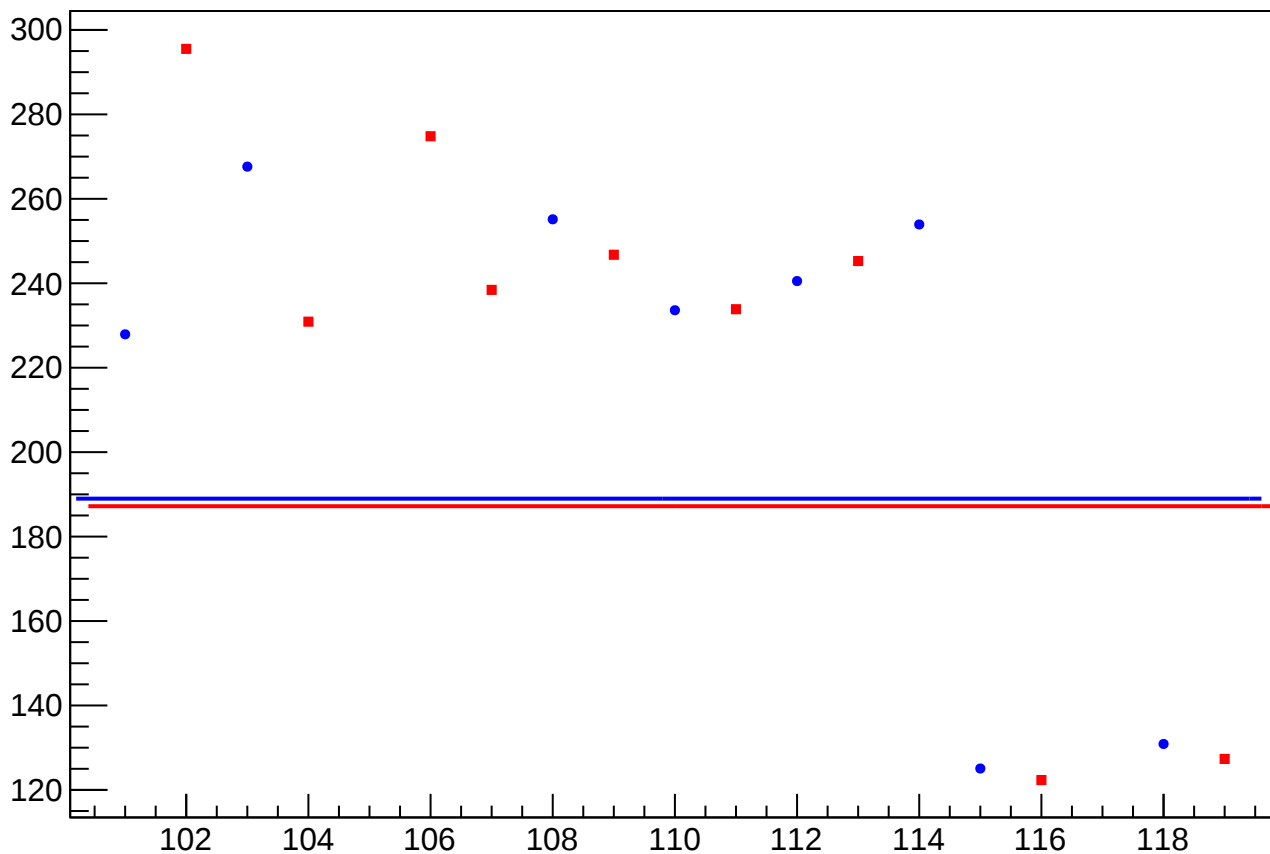
Right: 160.186+/-75.517  $\chi^2/\text{NDF}$ : 14.1/16

In: 84.242+/-112.475  $\chi^2/\text{NDF}$ : 6.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 160.186+/-75.517  $\chi^2/\text{NDF}$ : 14.1/16

dit\_asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 188.987+/-0.080  $\chi^2/\text{NDF}$ : 533292.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 187.197+/-0.072  $\chi^2/\text{NDF}$ : 769418.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

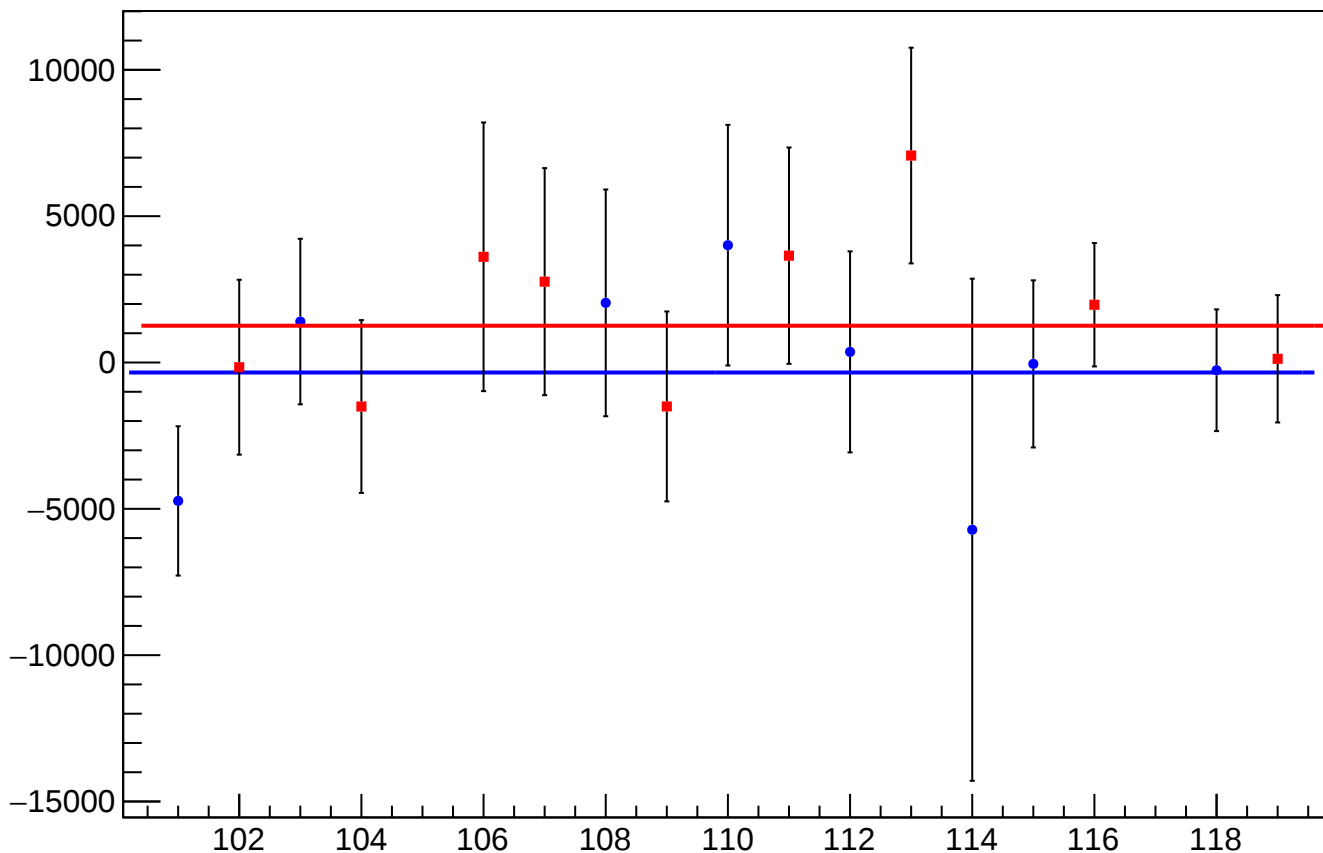
Right: 188.004+/-0.053  $\chi^2/\text{NDF}$ : 1302988.7/16

In: 188.987+/-0.080  $\chi^2/\text{NDF}$ : 533292.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 188.004+/-0.053  $\chi^2/\text{NDF}$ : 1302988.7/16

asym\_sam\_26\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -341.394+/-1080.466  $\chi^2/\text{NDF}$ : 5.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1256.850+/-990.687  $\chi^2/\text{NDF}$ : 5.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

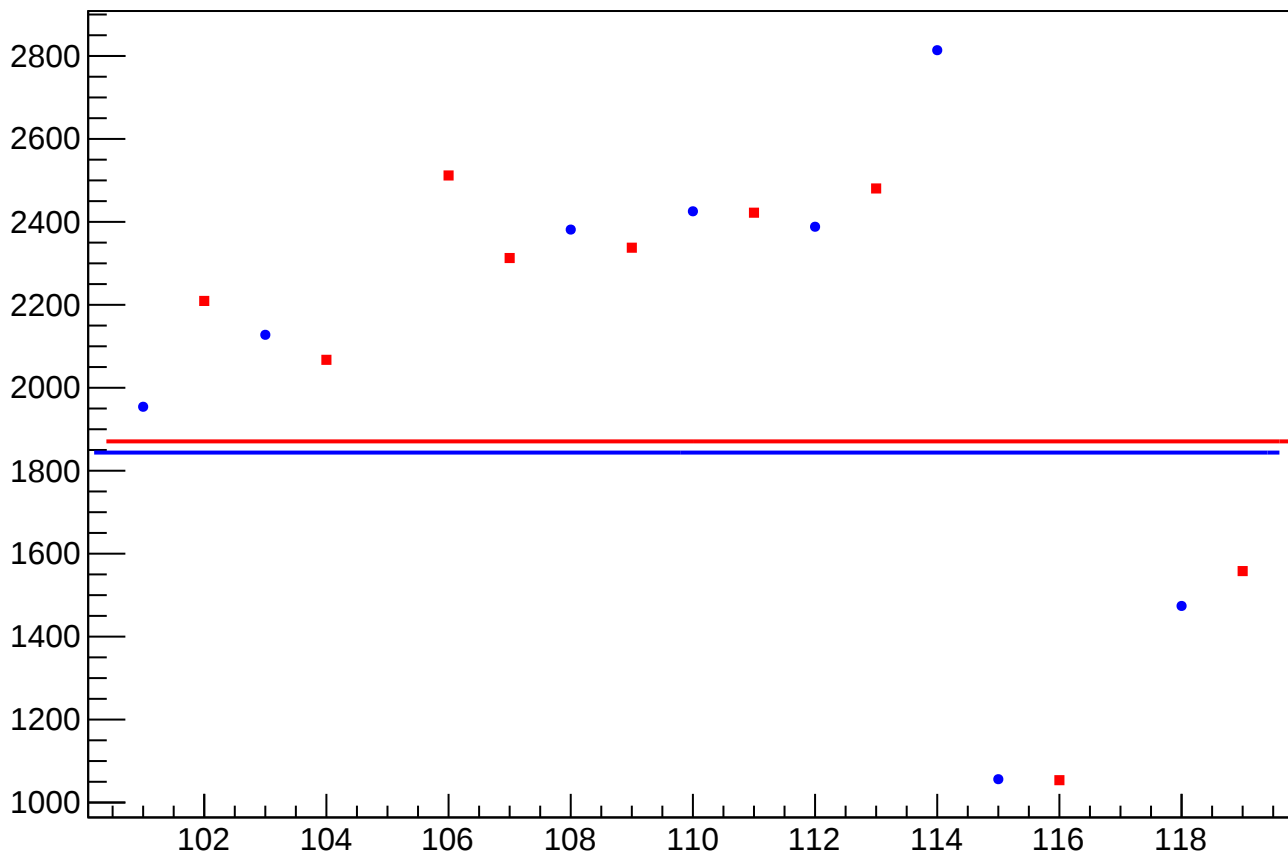
Right: 526.878+/-730.201  $\chi^2/\text{NDF}$ : 12.0/16

In: -341.394+/-1080.466  $\chi^2/\text{NDF}$ : 5.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 526.878+/-730.201  $\chi^2/\text{NDF}$ : 12.0/16

asym\_sam\_26\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1843.758+/-0.764  $\chi^2/\text{NDF}$ : 393671.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1870.741+/-0.701  $\chi^2/\text{NDF}$ : 581970.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

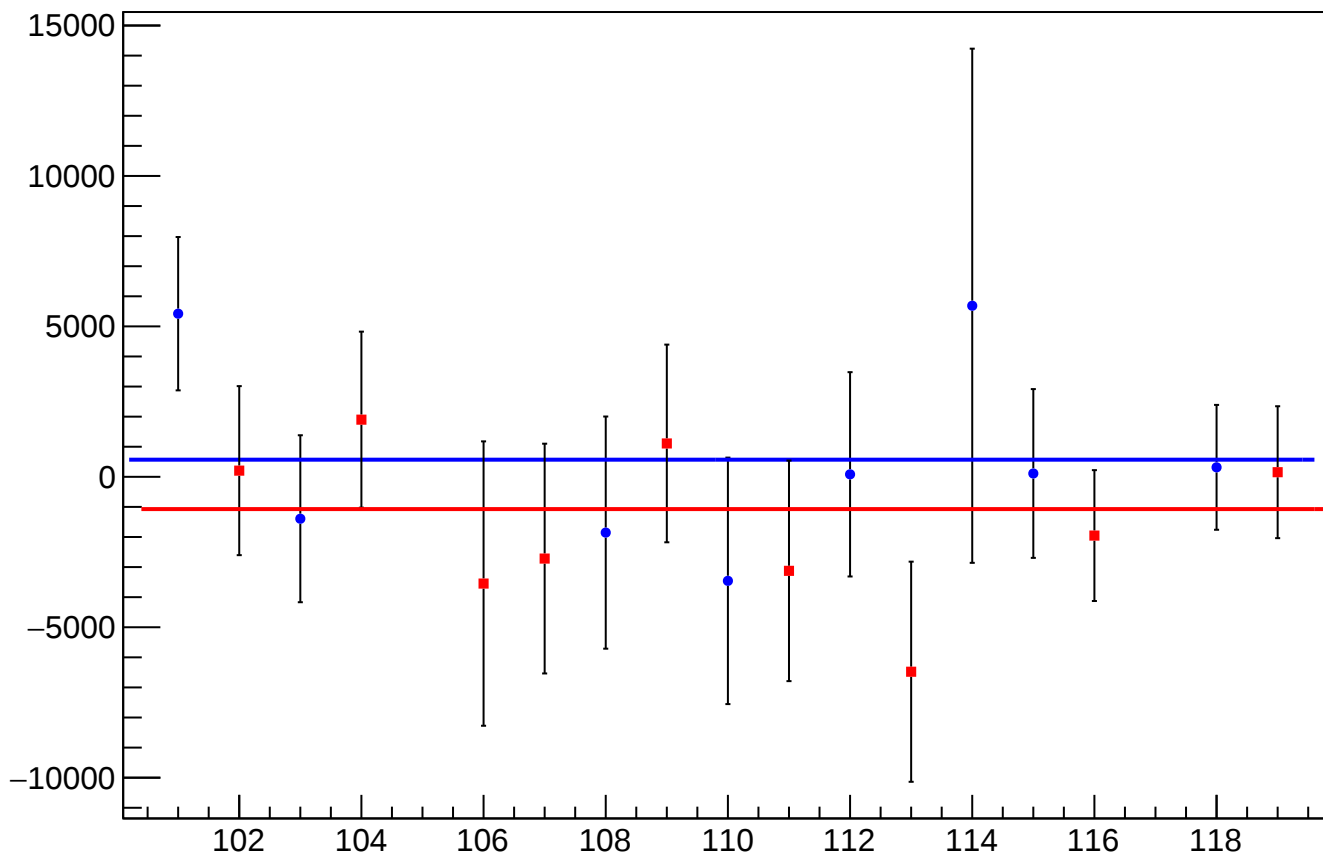
Right: 1858.417+/-0.516  $\chi^2/\text{NDF}$ : 976320.1/16

In: 1843.758+/-0.764  $\chi^2/\text{NDF}$ : 393671.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1858.417+/-0.516  $\chi^2/\text{NDF}$ : 976320.1/16

# asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 569.598+/-1071.889  $\chi^2/\text{NDF}$ : 5.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1072.393+/-991.000  $\chi^2/\text{NDF}$ : 5.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

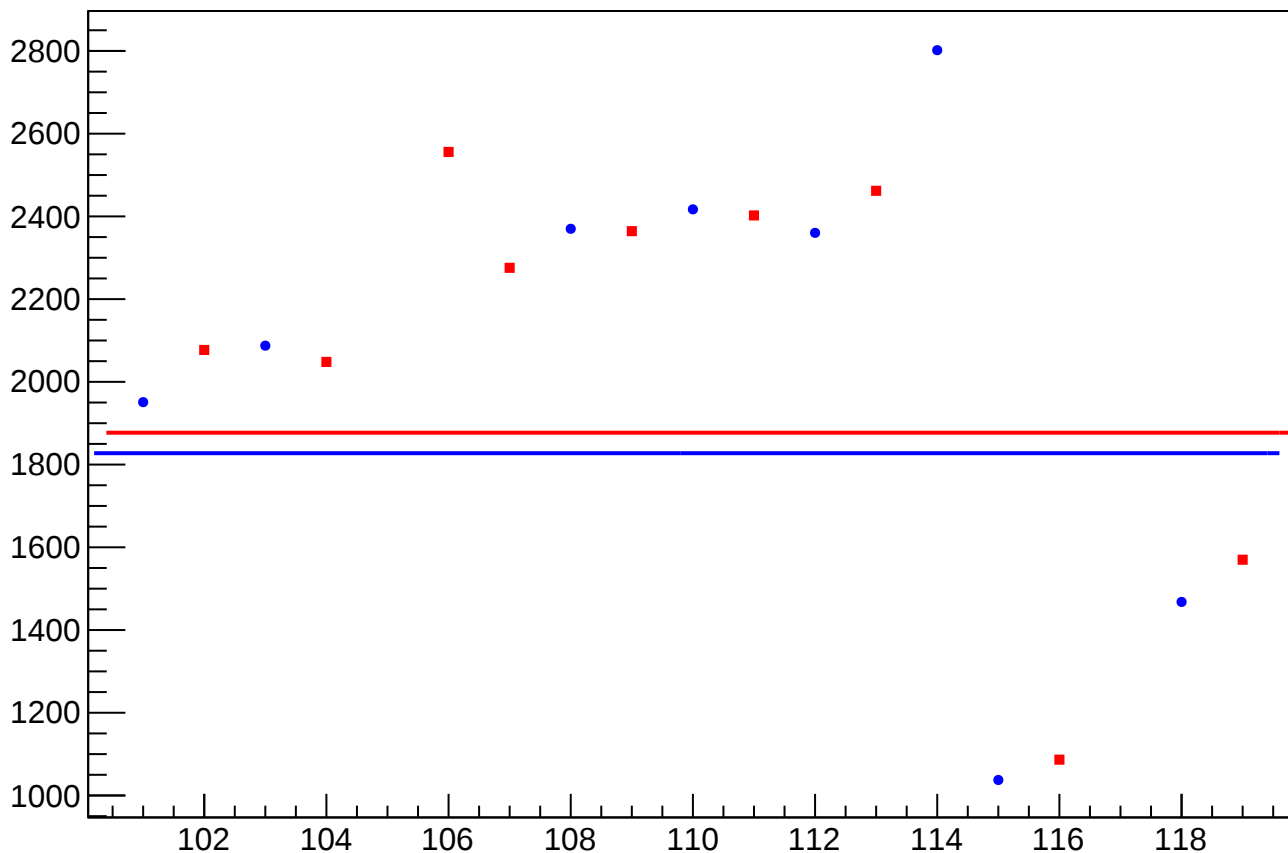
Right: -315.684+/-727.661  $\chi^2/\text{NDF}$ : 12.3/16

In: 569.598+/-1071.889  $\chi^2/\text{NDF}$ : 5.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -315.684+/-727.661  $\chi^2/\text{NDF}$ : 12.3/16

# asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 1827.523+/-0.758  $\chi^2/\text{NDF}$ : 397141.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1877.055+/-0.701  $\chi^2/\text{NDF}$ : 519660.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

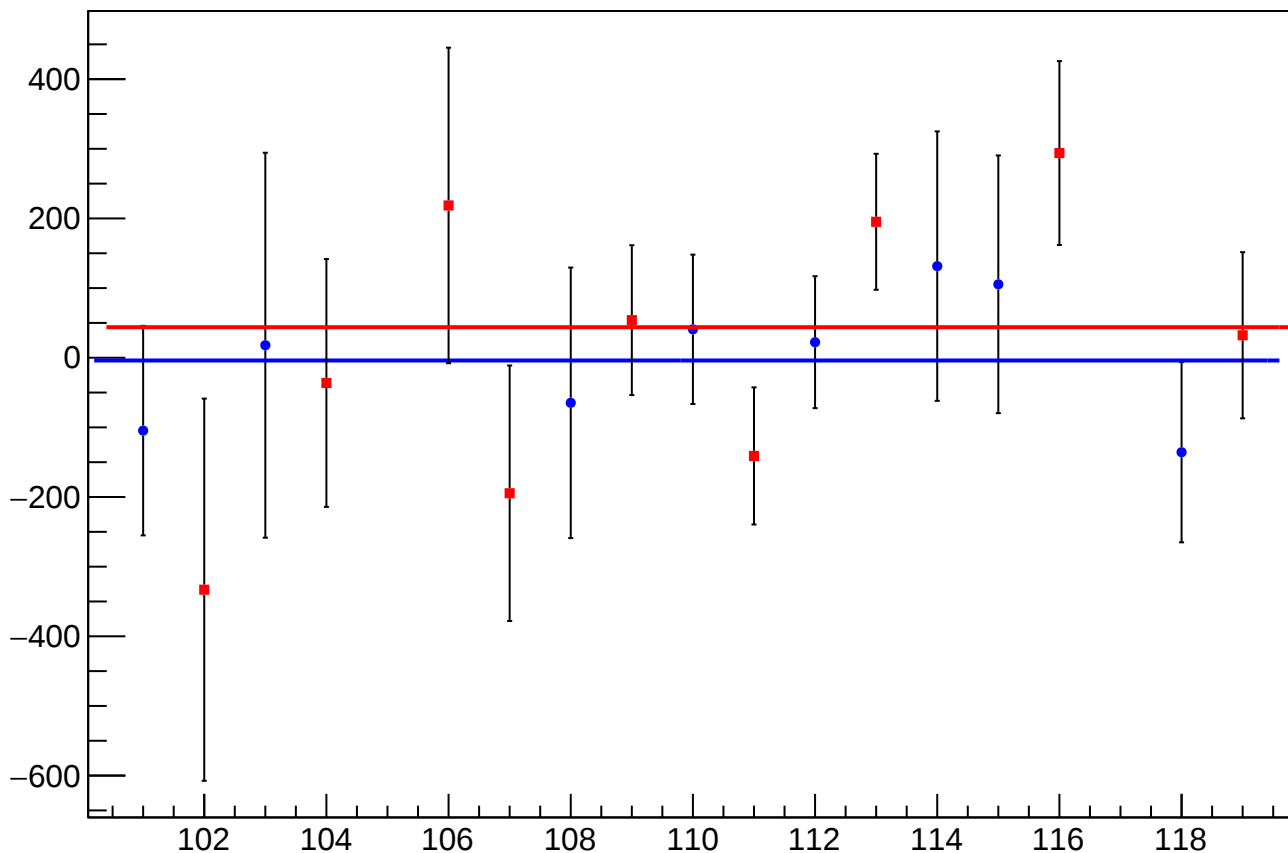
Right: 1854.228+/-0.515  $\chi^2/\text{NDF}$ : 919104.2/16

In: 1827.523+/-0.758  $\chi^2/\text{NDF}$ : 397141.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1854.228+/-0.515  $\chi^2/\text{NDF}$ : 919104.2/16

dit\_asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In:  $-3.957 \pm 50.143$   $\chi^2/\text{NDF}$ : 2.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $43.850 \pm 44.016$   $\chi^2/\text{NDF}$ : 13.9/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

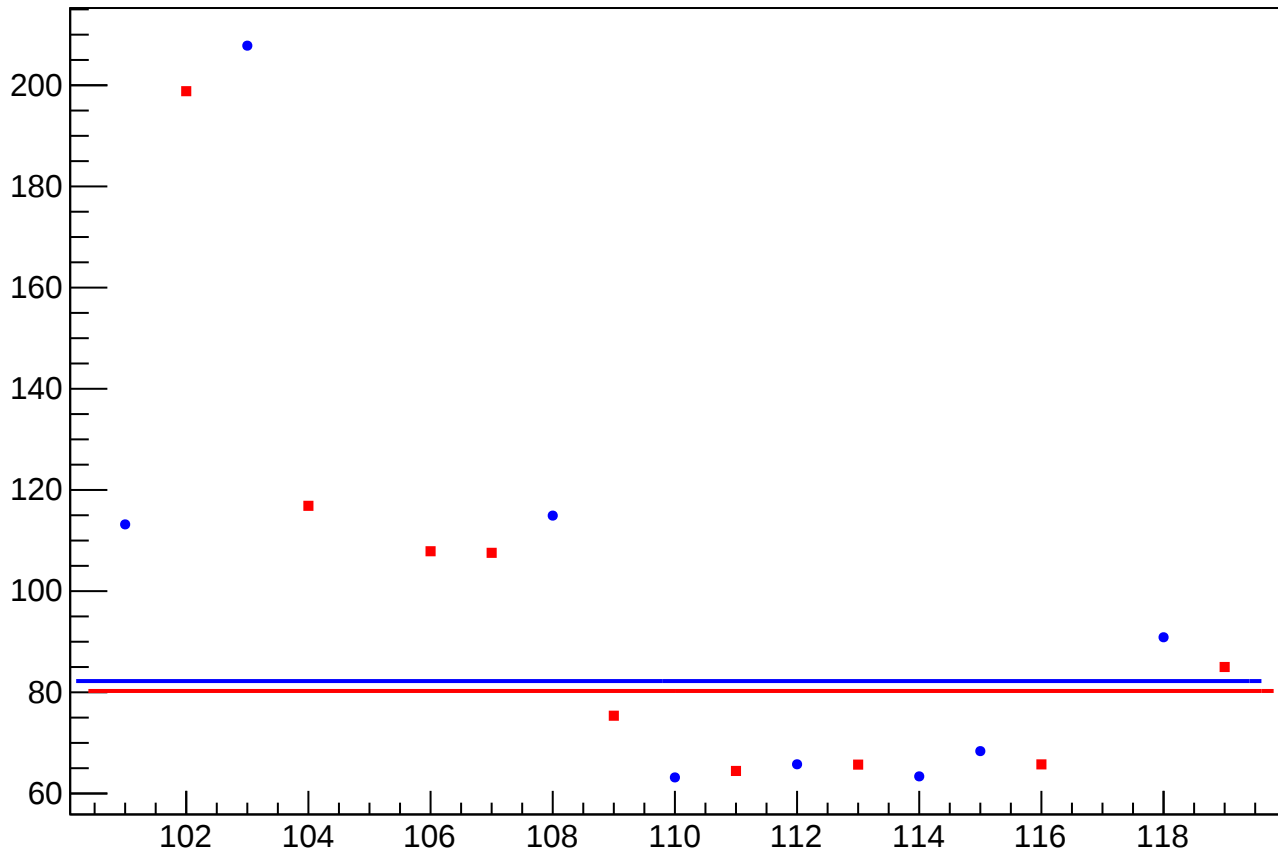
Right:  $23.044 \pm 33.079$   $\chi^2/\text{NDF}$ : 17.1/16

In:  $-3.957 \pm 50.143$   $\chi^2/\text{NDF}$ : 2.7/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $23.044 \pm 33.079$   $\chi^2/\text{NDF}$ : 17.1/16

dit\_asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 82.224+/-0.035  $\chi^2/\text{NDF}$ : 716976.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.266+/-0.031  $\chi^2/\text{NDF}$ : 659559.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

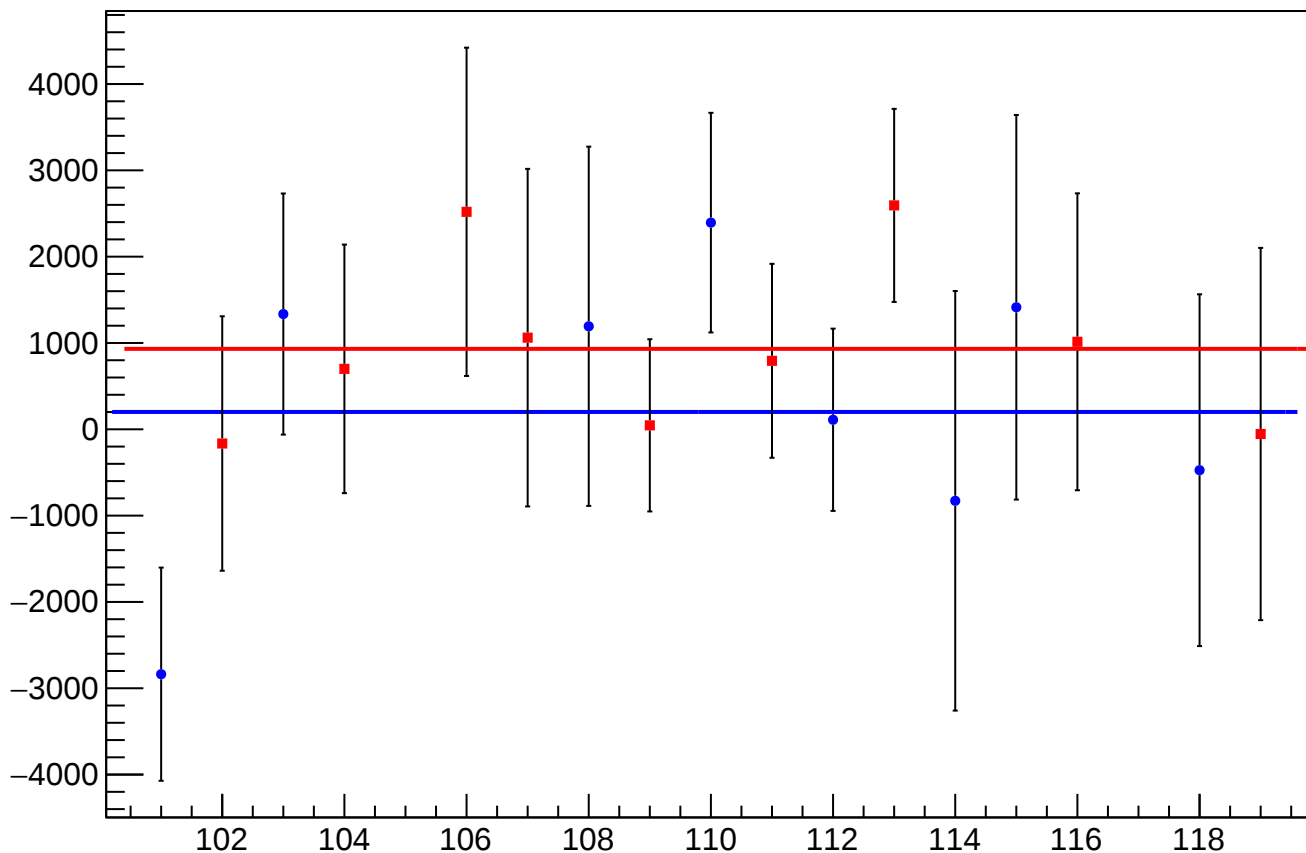
Right: 81.118+/-0.023  $\chi^2/\text{NDF}$ : 1378259.6/16

In: 82.224+/-0.035  $\chi^2/\text{NDF}$ : 716976.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 81.118+/-0.023  $\chi^2/\text{NDF}$ : 1378259.6/16

asym\_sam\_37\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 201.031+/-532.567  $\chi^2/\text{NDF}$ : 10.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 931.996+/-464.704  $\chi^2/\text{NDF}$ : 4.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

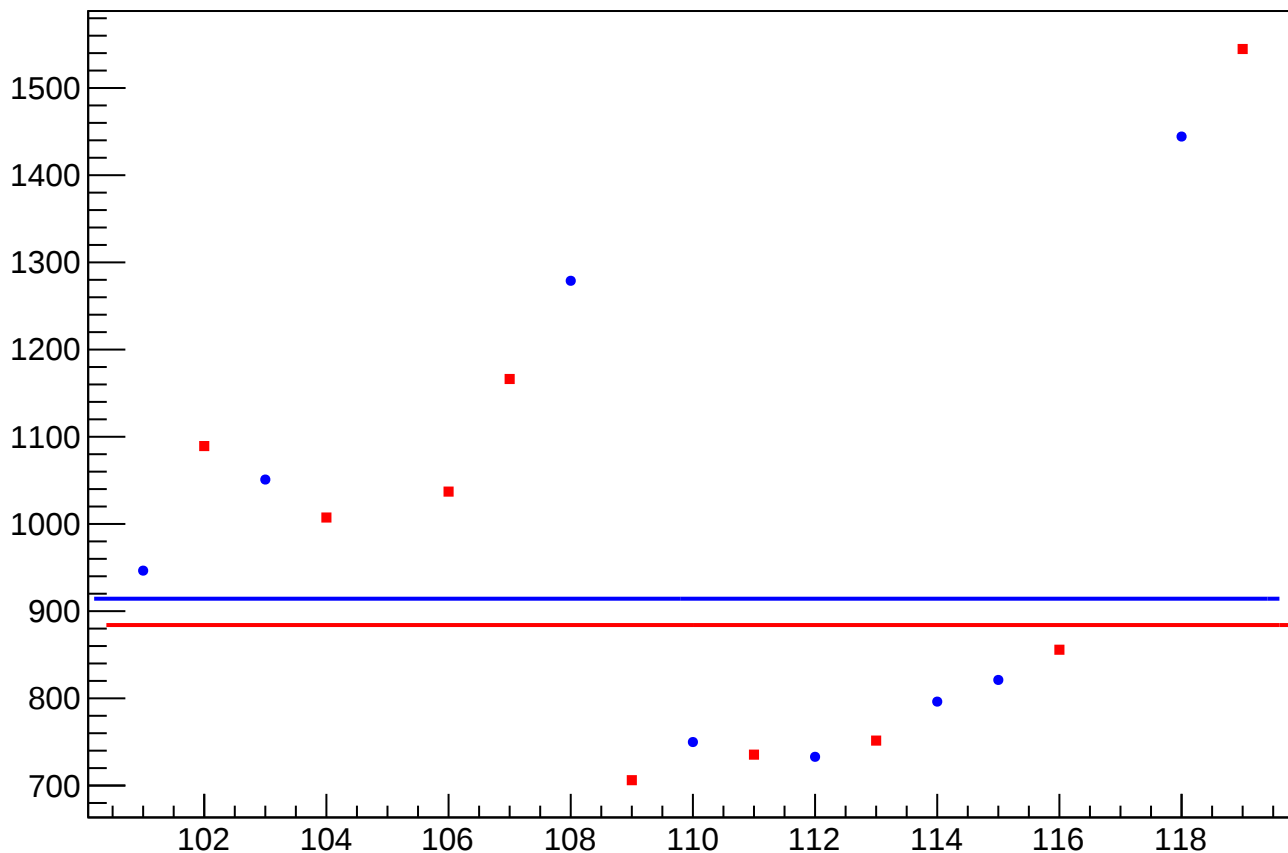
Right: 616.026+/-350.146  $\chi^2/\text{NDF}$ : 16.1/16

In: 201.031+/-532.567  $\chi^2/\text{NDF}$ : 10.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 616.026+/-350.146  $\chi^2/\text{NDF}$ : 16.1/16

asym\_sam\_37\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 914.281+/-0.377  $\chi^2/\text{NDF}$ : 317831.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 884.074+/-0.329  $\chi^2/\text{NDF}$ : 423049.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

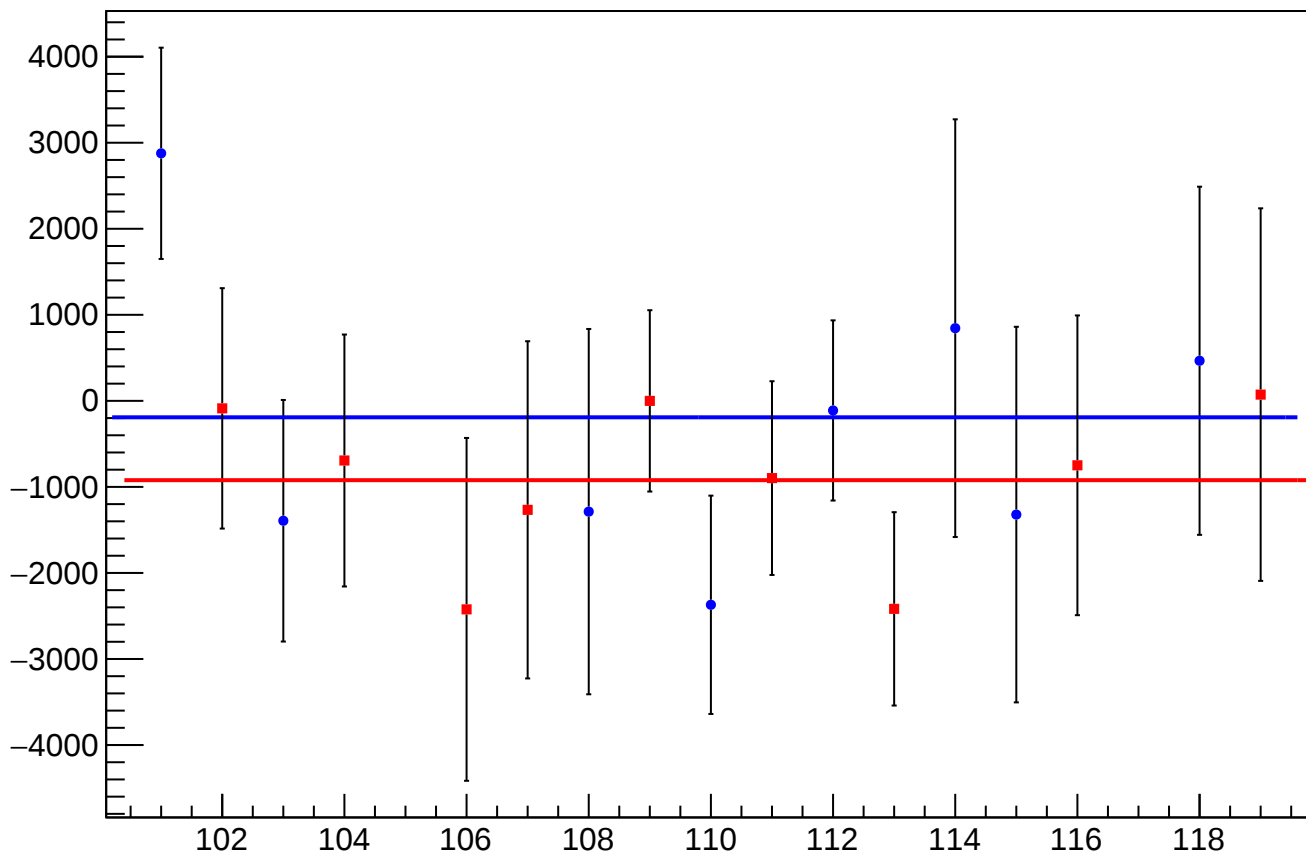
Right: 897.131+/-0.248  $\chi^2/\text{NDF}$ : 744533.4/16

In: 914.281+/-0.377  $\chi^2/\text{NDF}$ : 317831.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 897.131+/-0.248  $\chi^2/\text{NDF}$ : 744533.4/16

# asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: -191.198+/-530.745  $\chi^2$ /NDF: 10.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -921.878+/-470.570  $\chi^2$ /NDF: 3.7/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

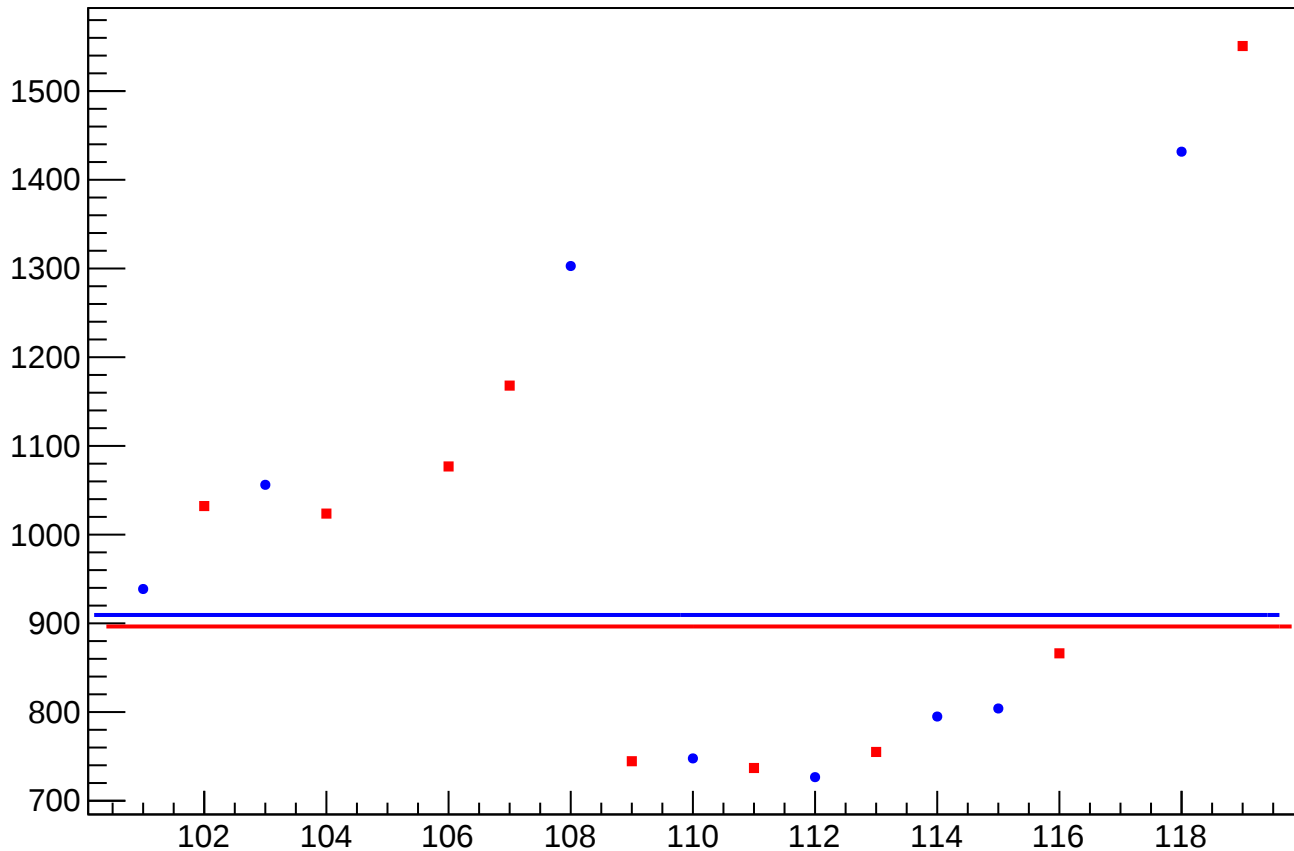
Right: -600.291+/-352.104  $\chi^2$ /NDF: 15.6/16

In: -191.198+/-530.745  $\chi^2$ /NDF:10.8/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -600.291+/-352.104  $\chi^2$ /NDF: 15.6/16

# asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 909.435+/-0.375  $\chi^2/\text{NDF}$ : 327487.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 896.462+/-0.333  $\chi^2/\text{NDF}$ : 385481.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

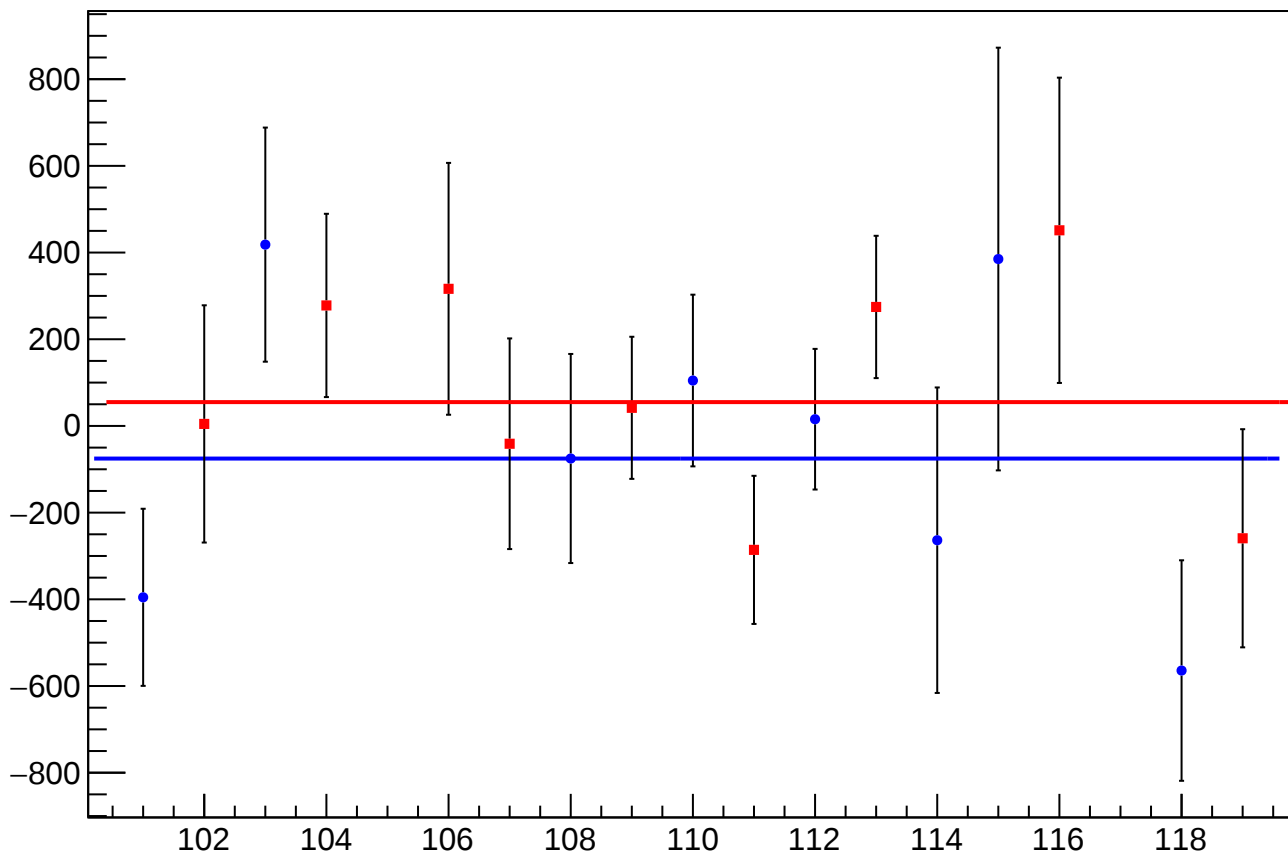
Right: 902.172+/-0.249  $\chi^2/\text{NDF}$ : 713637.7/16

In: 909.435+/-0.375  $\chi^2/\text{NDF}$ : 327487.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 902.172+/-0.249  $\chi^2/\text{NDF}$ : 713637.7/16

dit\_asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In:  $-75.269 \pm 82.741$   $\chi^2/\text{NDF}$ : 11.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $54.981 \pm 71.259$   $\chi^2/\text{NDF}$ : 10.7/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

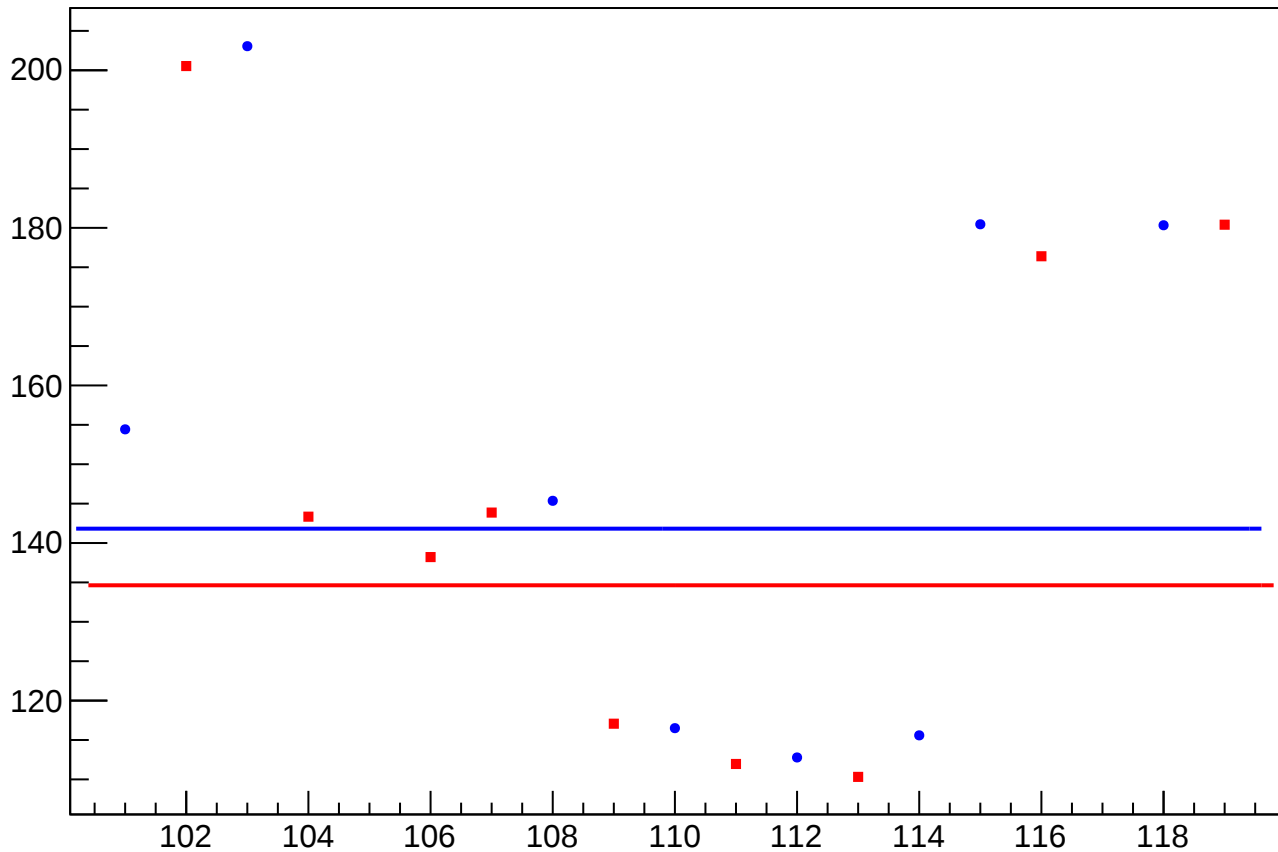
Right:  $-0.486 \pm 53.995$   $\chi^2/\text{NDF}$ : 23.9/16

In:  $-75.269 \pm 82.741$   $\chi^2/\text{NDF}$ : 11.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.486 \pm 53.995$   $\chi^2/\text{NDF}$ : 23.9/16

dit\_asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 141.822+/-0.059  $\chi^2/\text{NDF}$ : 277132.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 134.635+/-0.050  $\chi^2/\text{NDF}$ : 318911.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

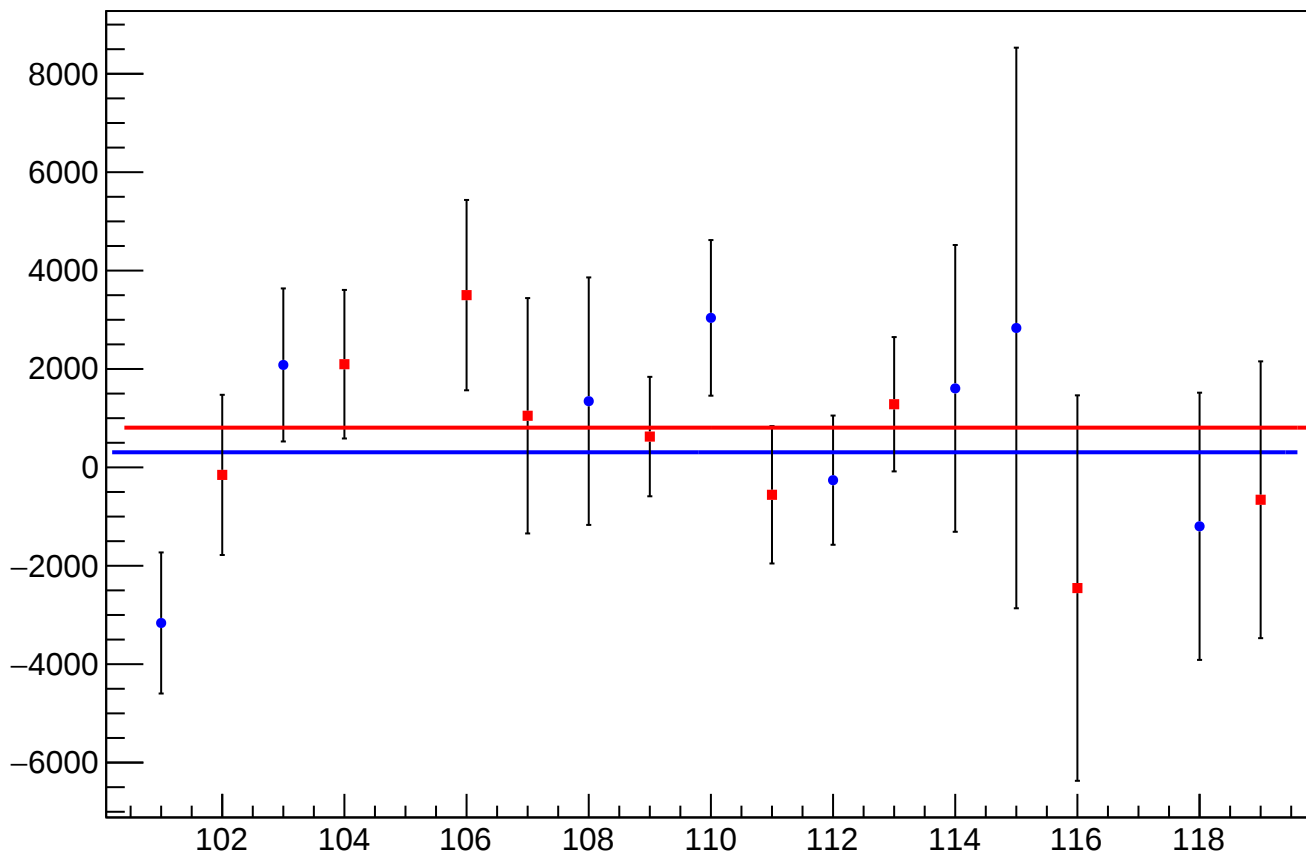
Right: 137.695+/-0.038  $\chi^2/\text{NDF}$ : 604707.8/16

In: 141.822+/-0.059  $\chi^2/\text{NDF}$ : 277132.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 137.695+/-0.038  $\chi^2/\text{NDF}$ : 604707.8/16

asym\_sam\_48\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 307.082+/-656.334  $\chi^2/\text{NDF}$ : 11.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 807.561+/-560.970  $\chi^2/\text{NDF}$ : 5.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

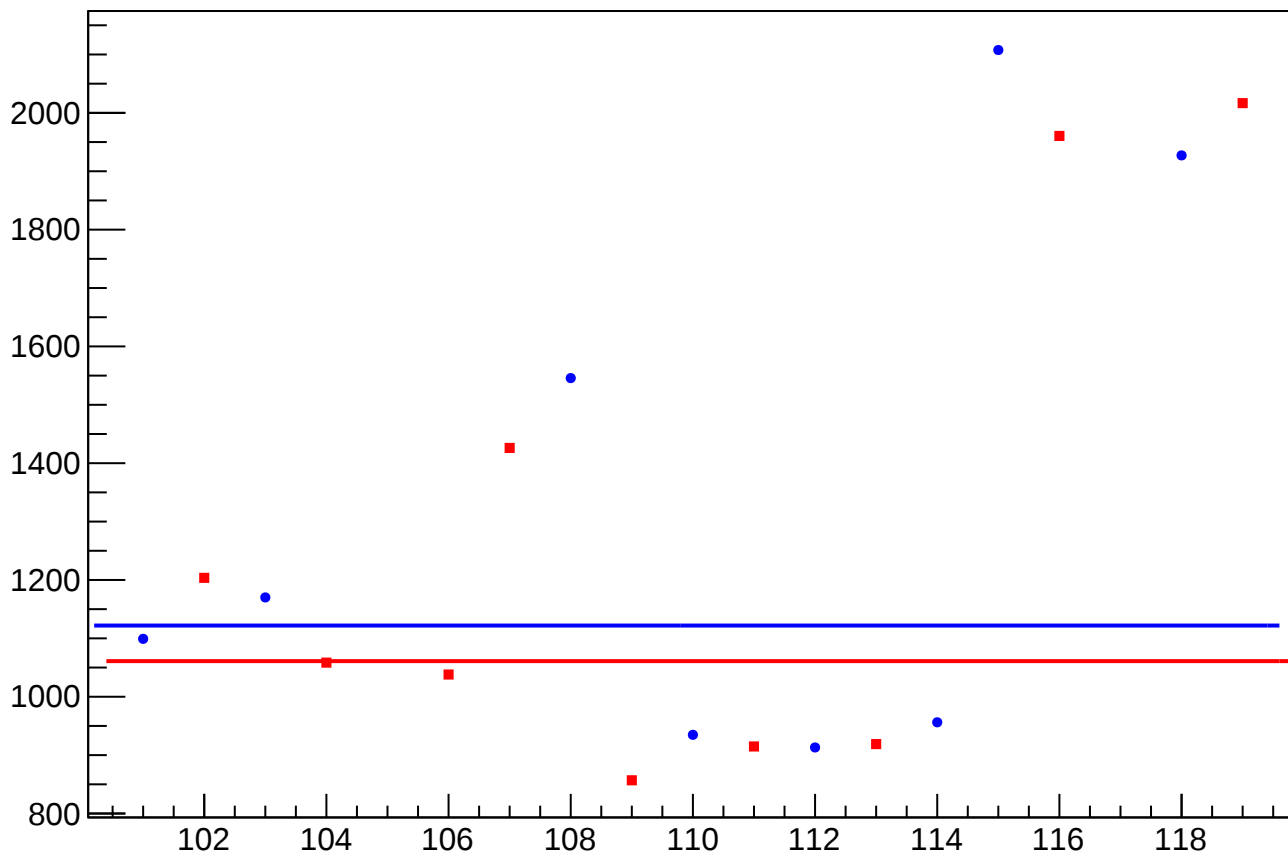
Right: 596.290+/-426.434  $\chi^2/\text{NDF}$ : 16.6/16

In: 307.082+/-656.334  $\chi^2/\text{NDF}$ : 11.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 596.290+/-426.434  $\chi^2/\text{NDF}$ : 16.6/16

asym\_sam\_48\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1121.938+/-0.464  $\chi^2/\text{NDF}$ : 379903.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1061.000+/-0.397  $\chi^2/\text{NDF}$ : 498620.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

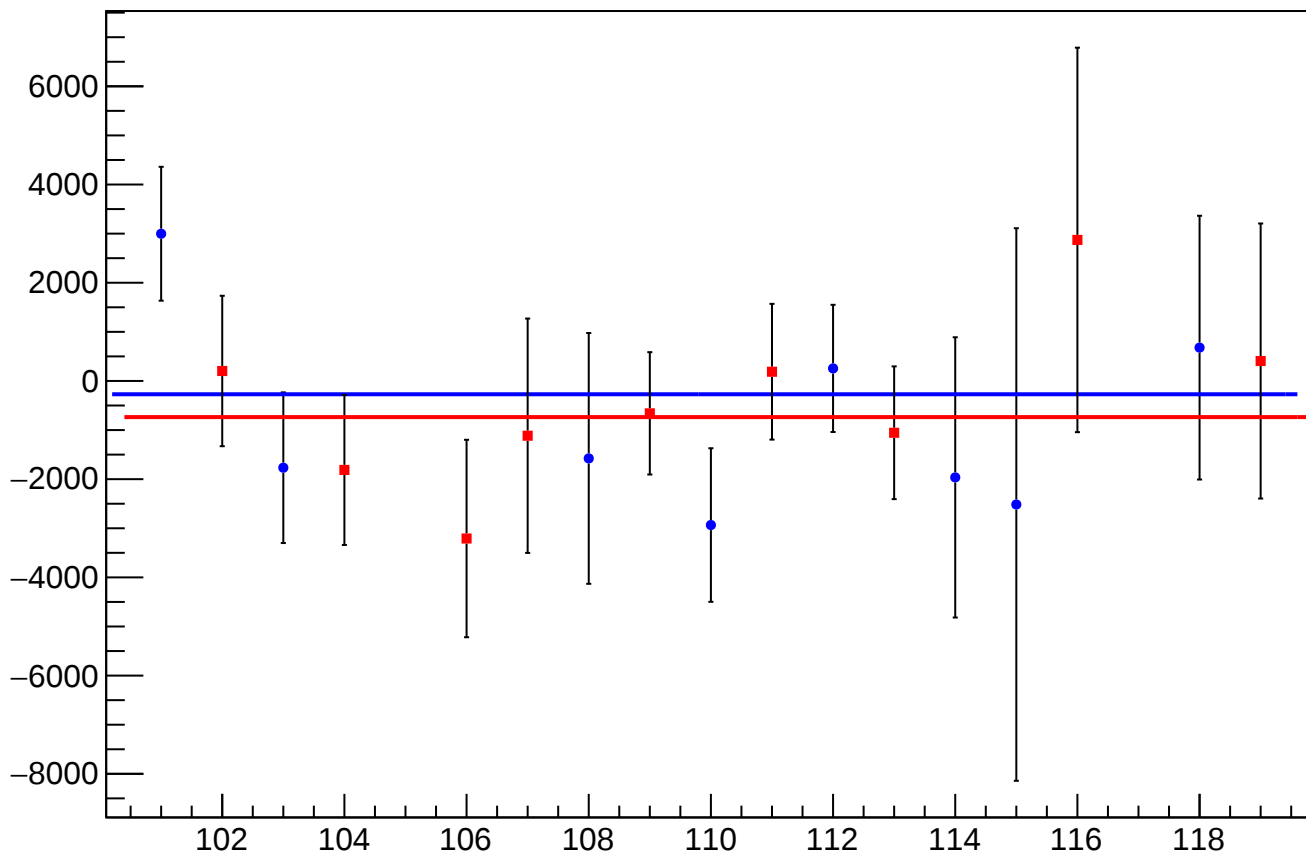
Right: 1086.724+/-0.302  $\chi^2/\text{NDF}$ : 888487.2/16

In: 1121.938+/-0.464  $\chi^2/\text{NDF}$ : 379903.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1086.724+/-0.302  $\chi^2/\text{NDF}$ : 888487.2/16

# asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -270.990+/-643.513  $\chi^2/\text{NDF}$ : 10.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -735.884+/-560.241  $\chi^2/\text{NDF}$ : 3.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

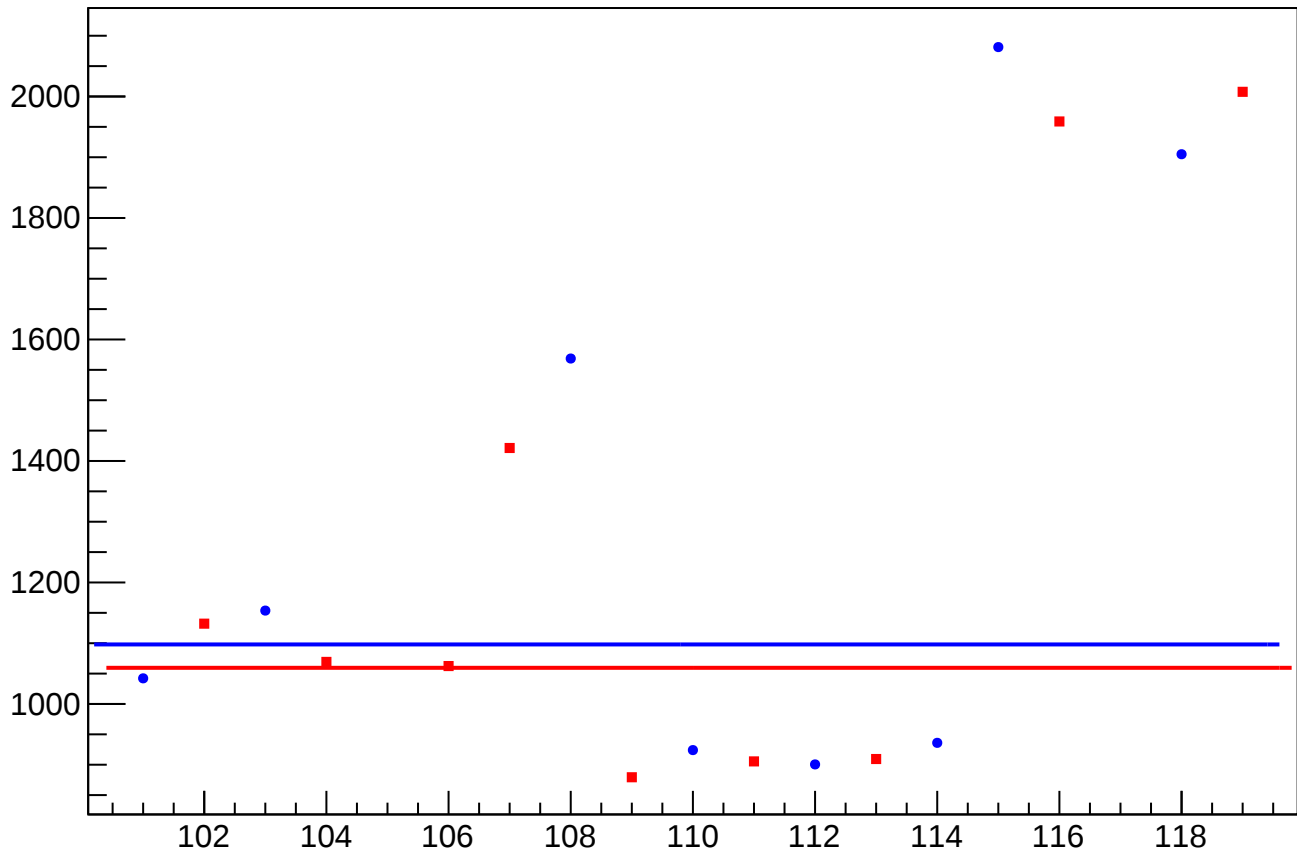
Right: -535.444+/-422.545  $\chi^2/\text{NDF}$ : 14.9/16

In: -270.990+/-643.513  $\chi^2/\text{NDF}$ :10.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -535.444+/-422.545  $\chi^2/\text{NDF}$ : 14.9/16

# asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 1097.991+/-0.455  $\chi^2/\text{NDF}$ : 393300.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1059.519+/-0.396  $\chi^2/\text{NDF}$ : 476741.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

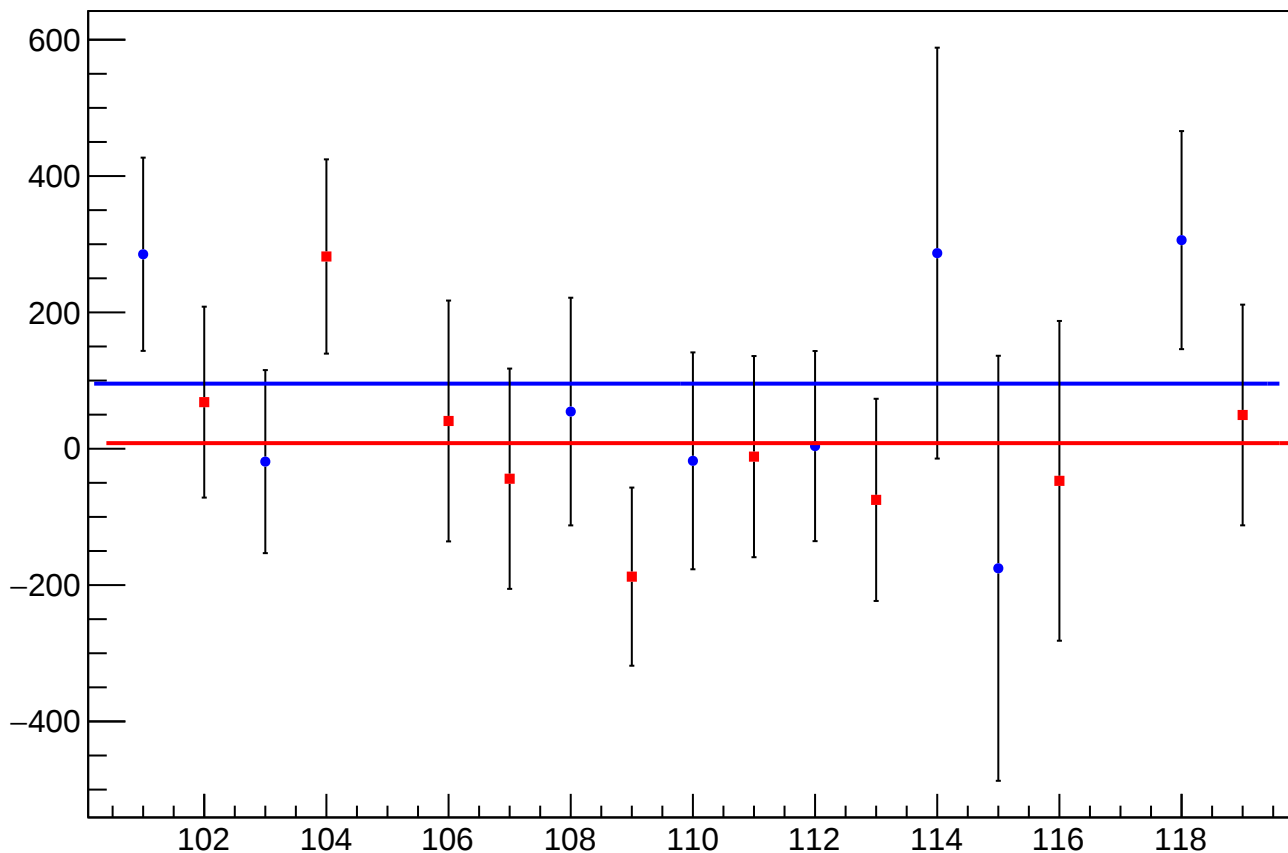
Right: 1076.107+/-0.299  $\chi^2/\text{NDF}$ : 874108.4/16

In: 1097.991+/-0.455  $\chi^2/\text{NDF}$ : 393300.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1076.107+/-0.299  $\chi^2/\text{NDF}$ : 874108.4/16

dit\_asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 95.494+/-58.475  $\chi^2/\text{NDF}$ : 6.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.217+/-51.508  $\chi^2/\text{NDF}$ : 6.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

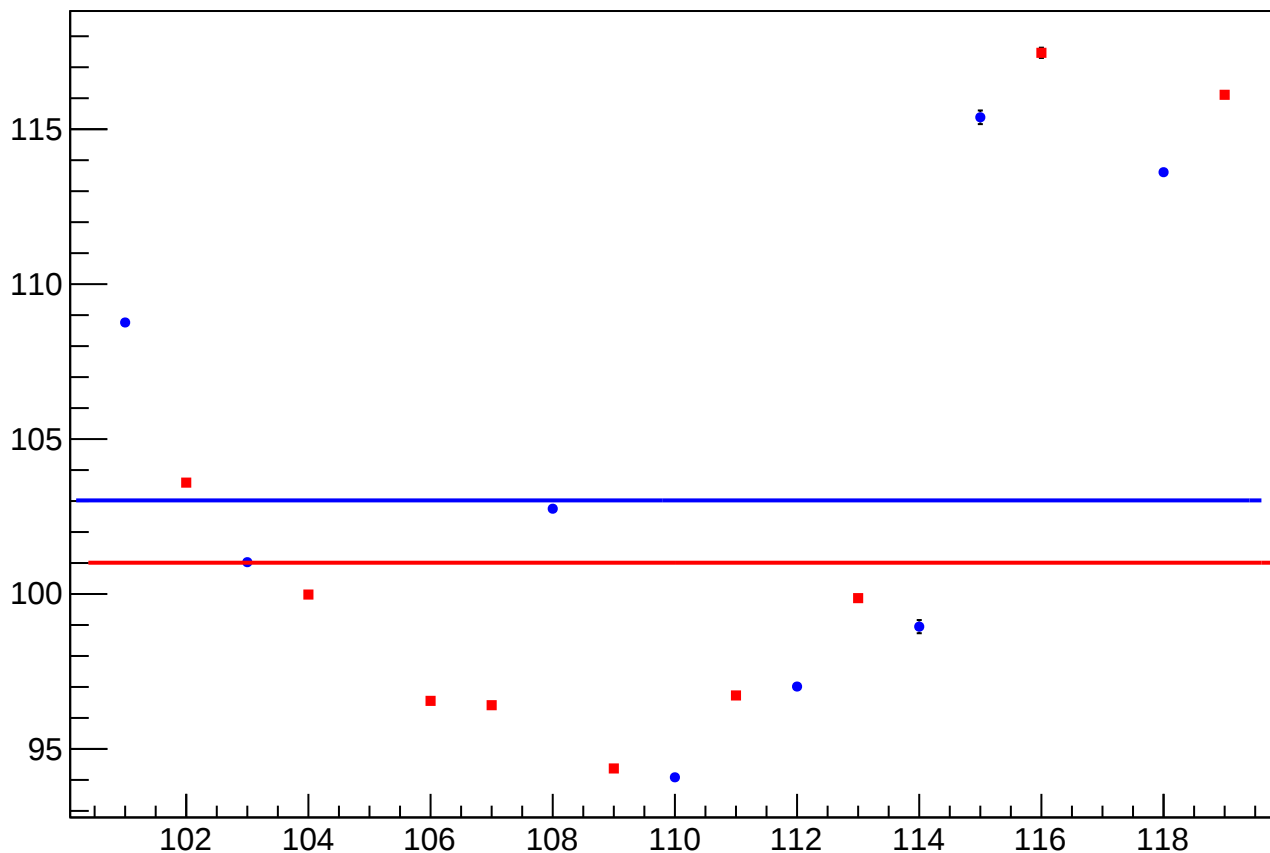
Right: 46.349+/-38.651  $\chi^2/\text{NDF}$ : 14.4/16

In: 95.494+/-58.475  $\chi^2/\text{NDF}$ : 6.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 46.349+/-38.651  $\chi^2/\text{NDF}$ : 14.4/16

dit\_asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 103.021+/-0.041  $\chi^2/\text{NDF}$ : 26035.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 101.010+/-0.036  $\chi^2/\text{NDF}$ : 37898.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

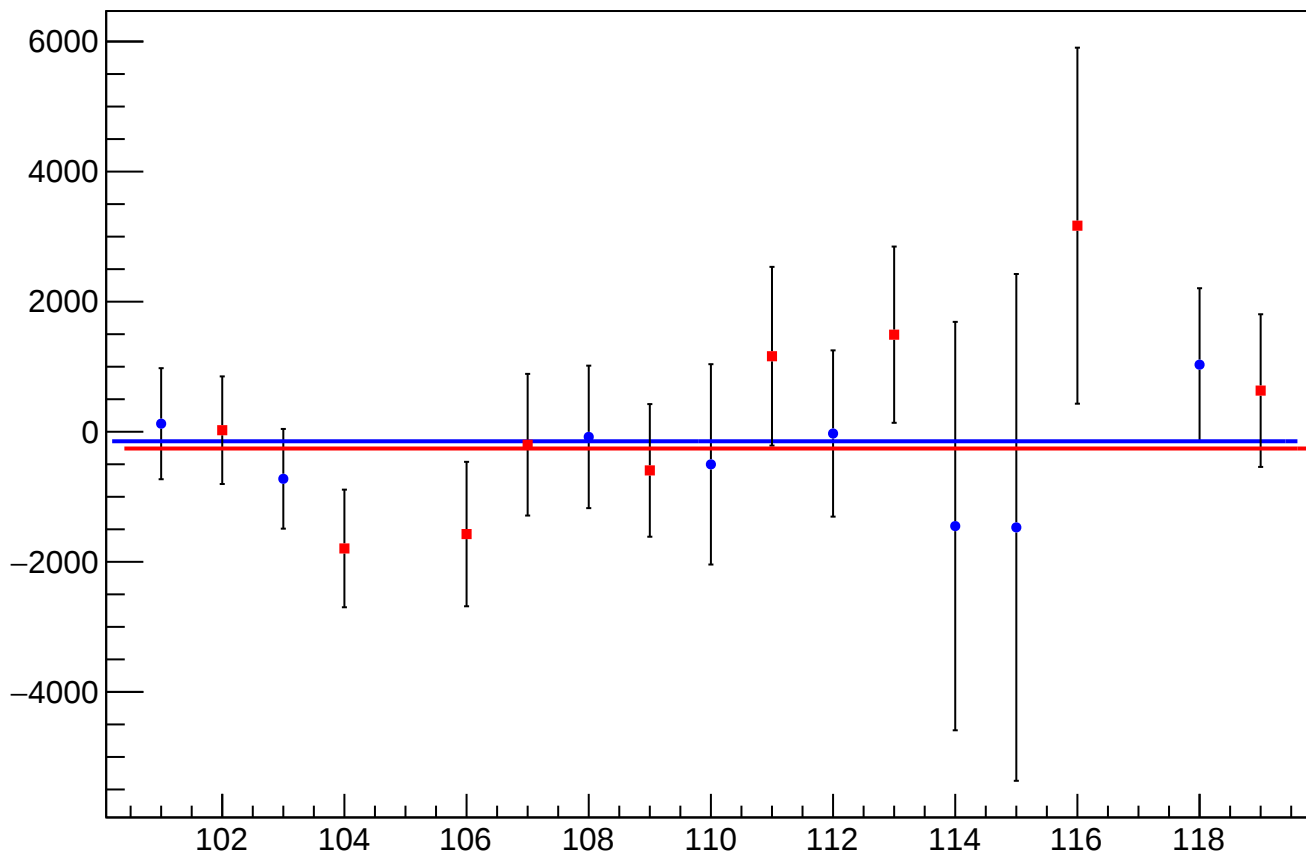
Right: 101.888+/-0.027  $\chi^2/\text{NDF}$ : 65266.0/16

In: 103.021+/-0.041  $\chi^2/\text{NDF}$ : 26035.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 101.888+/-0.027  $\chi^2/\text{NDF}$ : 65266.0/16

asym\_sam\_15\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -146.243+/-414.086  $\chi^2/\text{NDF}$ : 2.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -257.763+/-371.813  $\chi^2/\text{NDF}$ : 9.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

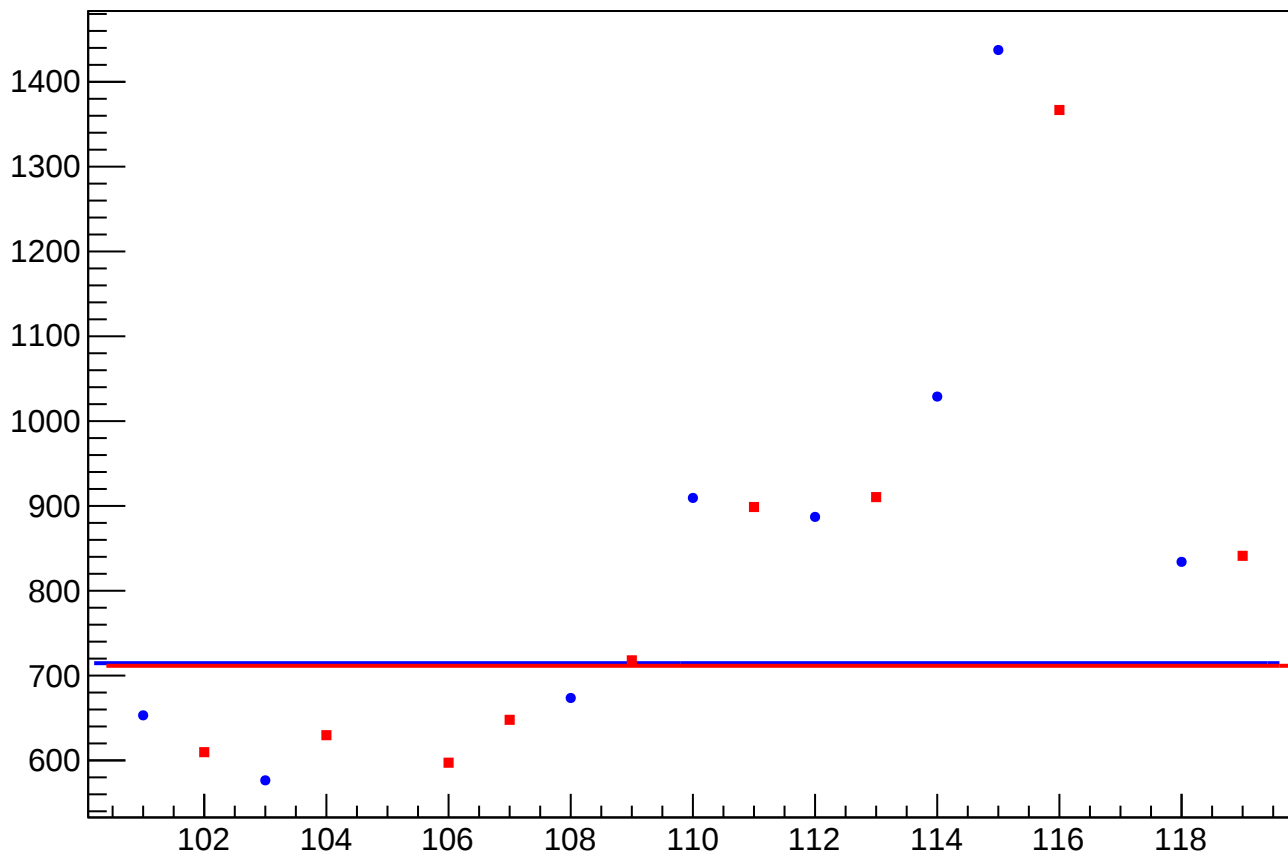
Right: -207.984+/-276.654  $\chi^2/\text{NDF}$ : 11.5/16

In: -146.243+/-414.086  $\chi^2/\text{NDF}$ : 2.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -207.984+/-276.654  $\chi^2/\text{NDF}$ : 11.5/16

asym\_sam\_15\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 714.615+/-0.293  $\chi^2/\text{NDF}$ : 256088.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 711.543+/-0.263  $\chi^2/\text{NDF}$ : 294010.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

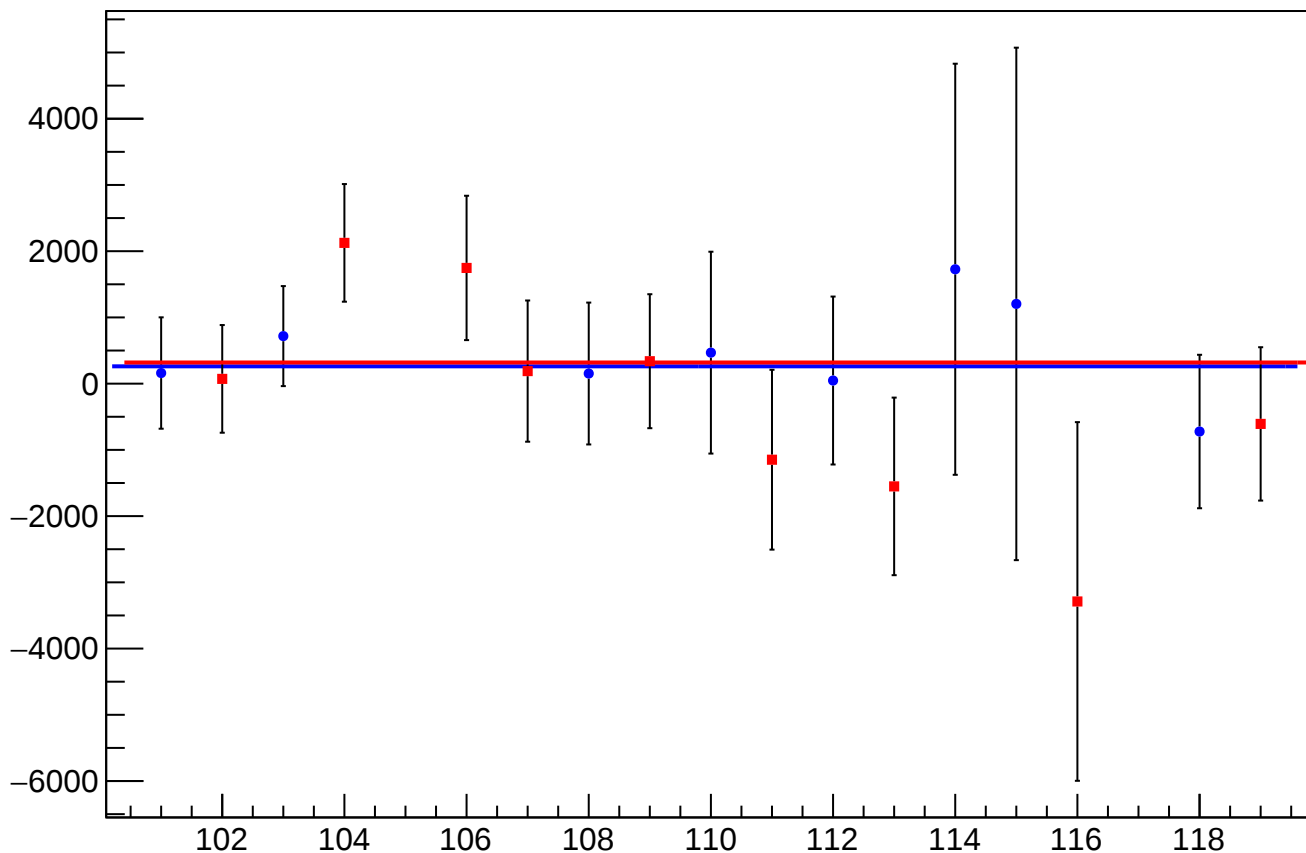
Right: 712.914+/-0.196  $\chi^2/\text{NDF}$ : 550159.8/16

In: 714.615+/-0.293  $\chi^2/\text{NDF}$ : 256088.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 712.914+/-0.196  $\chi^2/\text{NDF}$ : 550159.8/16

# asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 261.522+/-407.972  $\chi^2/\text{NDF}$ : 1.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 319.480+/-366.078  $\chi^2/\text{NDF}$ : 11.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

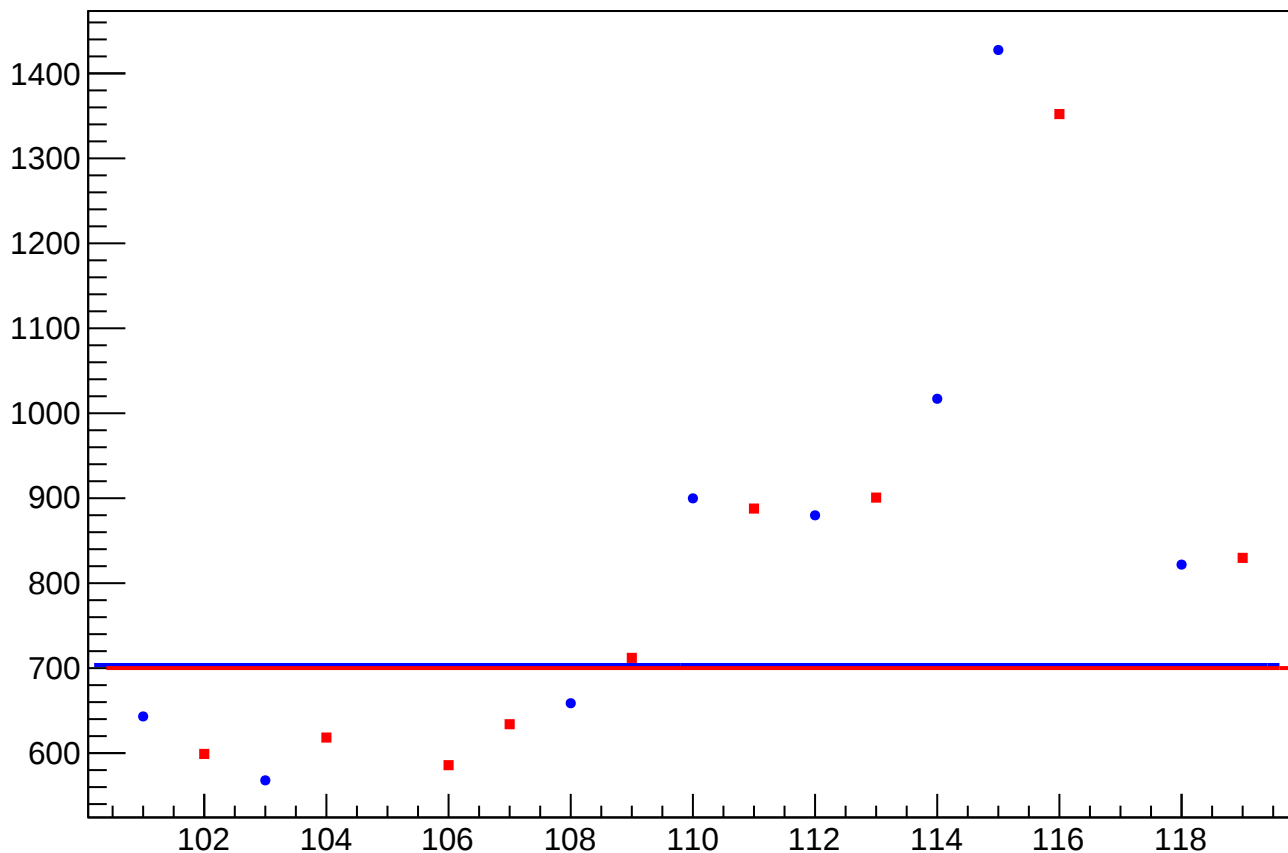
Right: 293.628+/-272.467  $\chi^2/\text{NDF}$ : 12.9/16

In: 261.522+/-407.972  $\chi^2/\text{NDF}$ :1.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 293.628+/-272.467  $\chi^2/\text{NDF}$ : 12.9/16

# asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 703.714+/-0.288  $\chi^2/\text{NDF}$ : 261497.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 700.085+/-0.259  $\chi^2/\text{NDF}$ : 301974.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

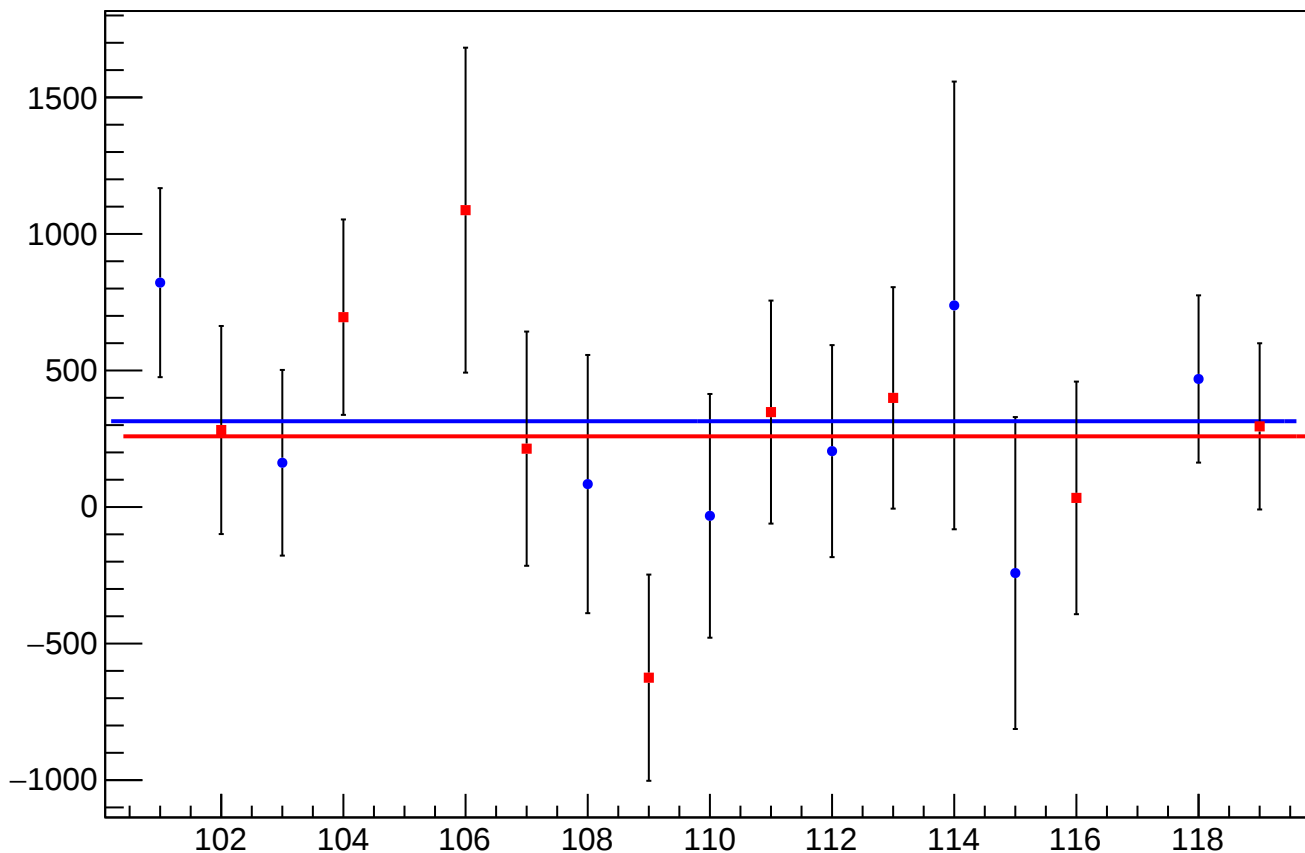
Right: 701.704+/-0.193  $\chi^2/\text{NDF}$ : 563559.8/16

In: 703.714+/-0.288  $\chi^2/\text{NDF}$ : 261497.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 701.704+/-0.193  $\chi^2/\text{NDF}$ : 563559.8/16

# dit\_asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 314.229+/-143.818  $\chi^2/\text{NDF}$ : 4.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 258.905+/-130.892  $\chi^2/\text{NDF}$ : 9.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

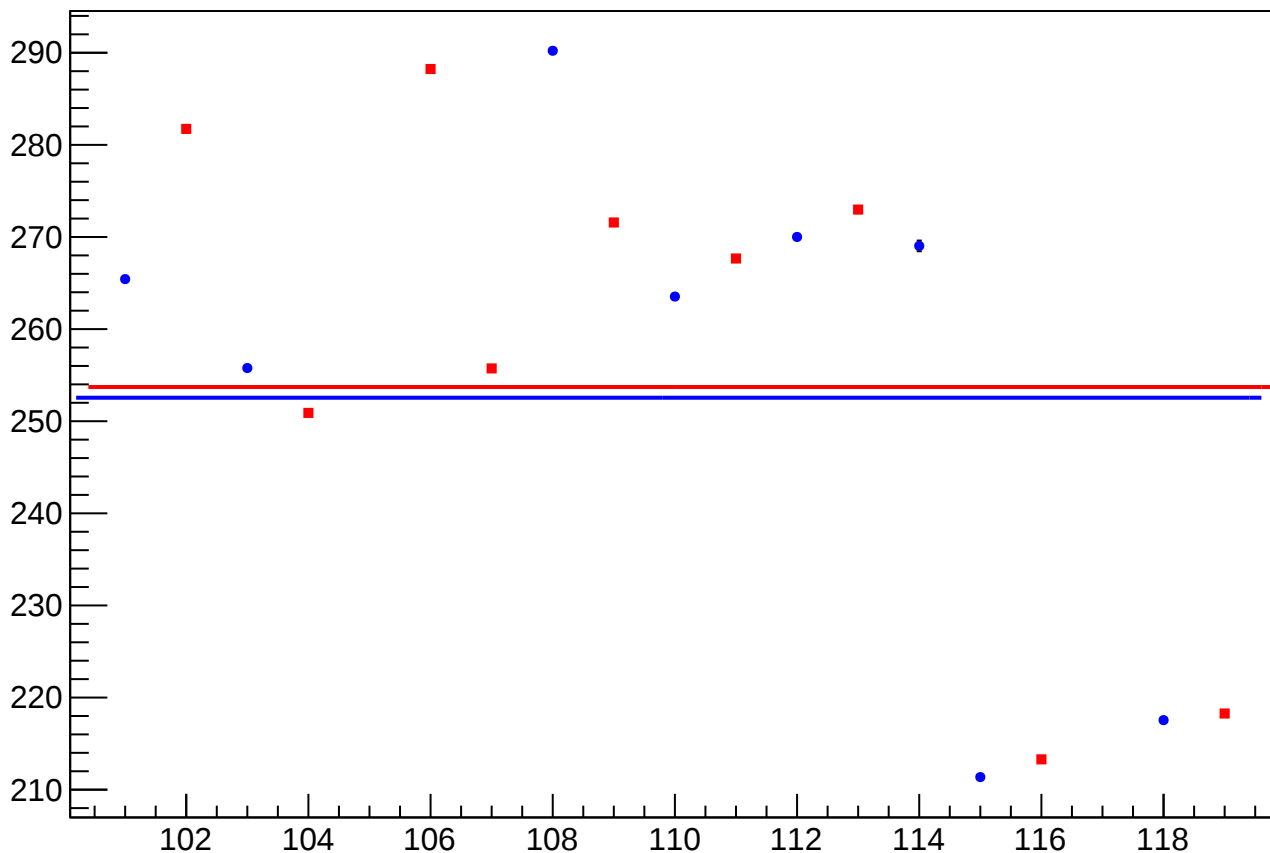
Right: 283.969+/-96.803  $\chi^2/\text{NDF}$ : 14.2/16

In: 314.229+/-143.818  $\chi^2/\text{NDF}$ : 4.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 283.969+/-96.803  $\chi^2/\text{NDF}$ : 14.2/16

dit\_asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 252.551+/-0.102  $\chi^2/\text{NDF}$ : 58228.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 253.715+/-0.093  $\chi^2/\text{NDF}$ : 74193.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

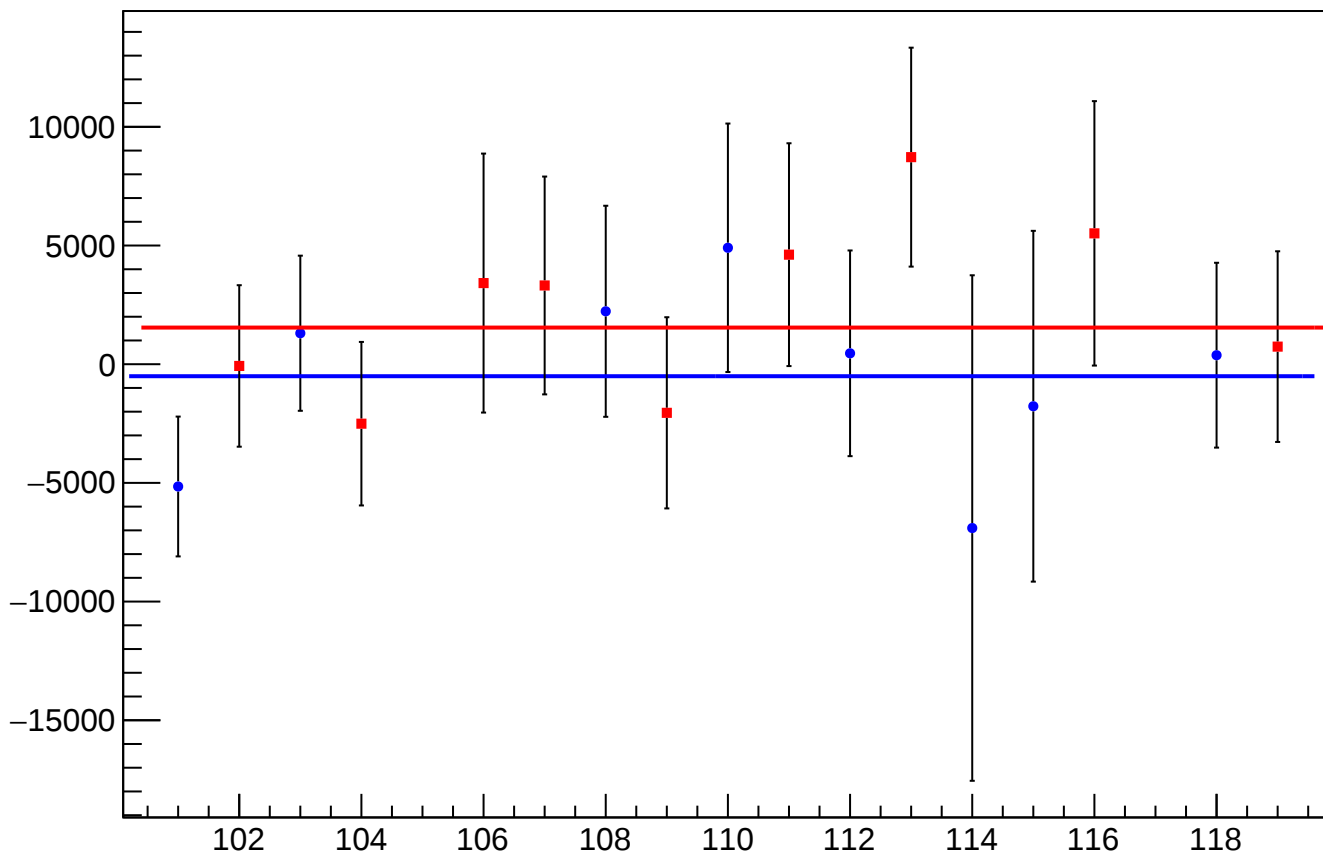
Right: 253.188+/-0.068  $\chi^2/\text{NDF}$ : 132493.6/16

In: 252.551+/-0.102  $\chi^2/\text{NDF}$ : 58228.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 253.188+/-0.068  $\chi^2/\text{NDF}$ : 132493.6/16

asym\_sam\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -505.835+/-1503.512  $\chi^2/\text{NDF}$ : 4.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1543.334+/-1414.158  $\chi^2/\text{NDF}$ : 6.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

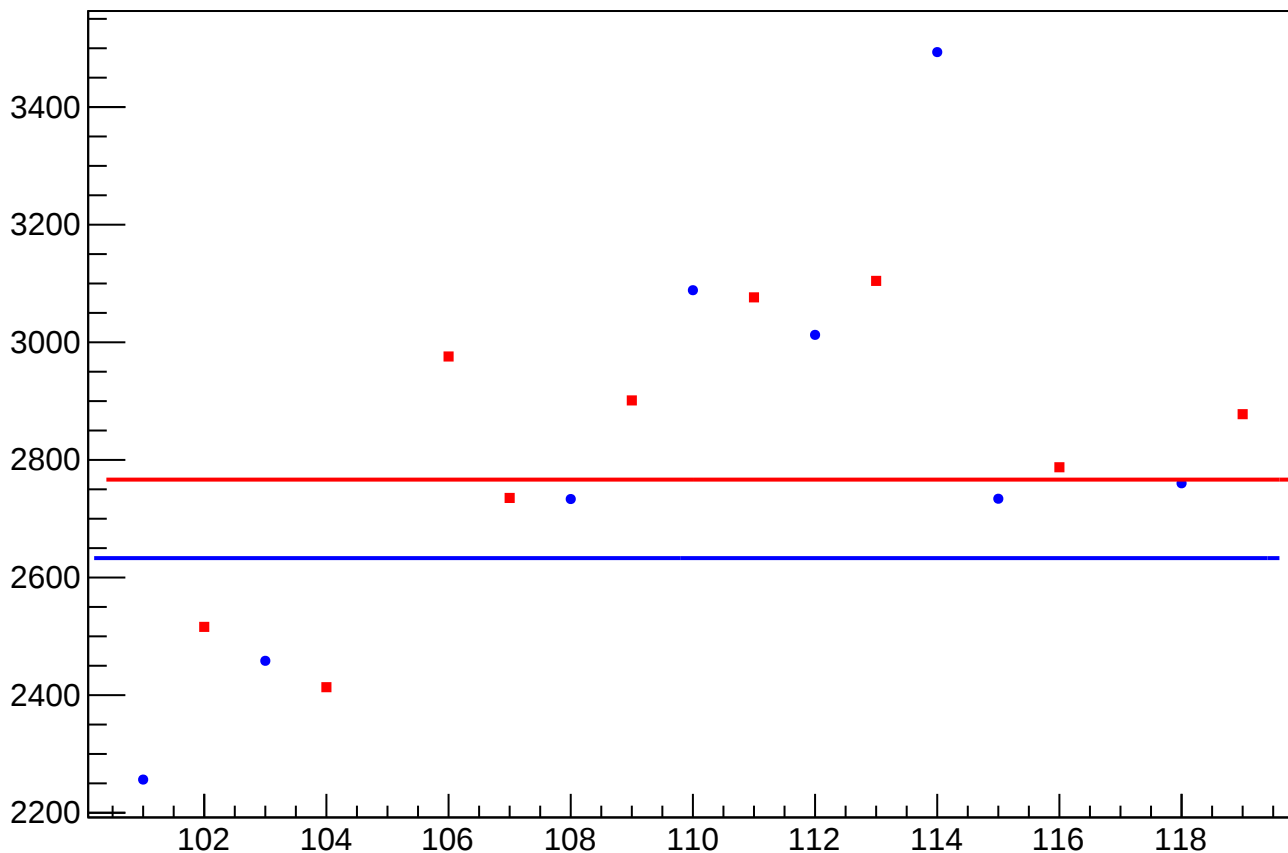
Right: 581.447+/-1030.102  $\chi^2/\text{NDF}$ : 11.8/16

In: -505.835+/-1503.512  $\chi^2/\text{NDF}$ : 4.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 581.447+/-1030.102  $\chi^2/\text{NDF}$ : 11.8/16

asym\_sam\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2633.026+/-1.063  $\chi^2/\text{NDF}$ : 85502.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2766.516+/-1.000  $\chi^2/\text{NDF}$ : 58130.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

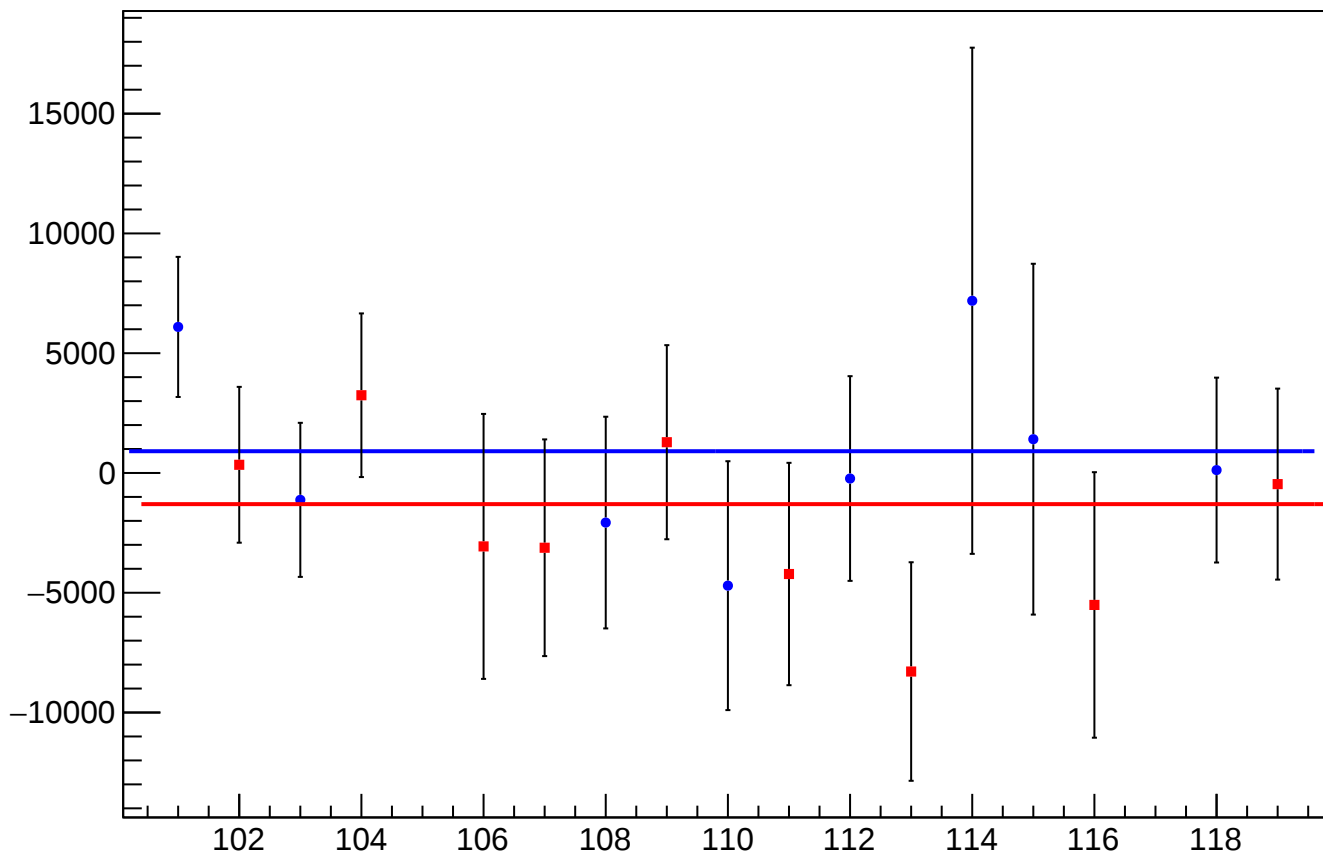
Right: 2703.855+/-0.728  $\chi^2/\text{NDF}$ : 151998.3/16

In: 2633.026+/-1.063  $\chi^2/\text{NDF}$ : 85502.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2703.855+/-0.728  $\chi^2/\text{NDF}$ : 151998.3/16

# asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 908.206+/-1488.390  $\chi^2/\text{NDF}$ : 5.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1300.833+/-1396.646  $\chi^2/\text{NDF}$ : 6.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

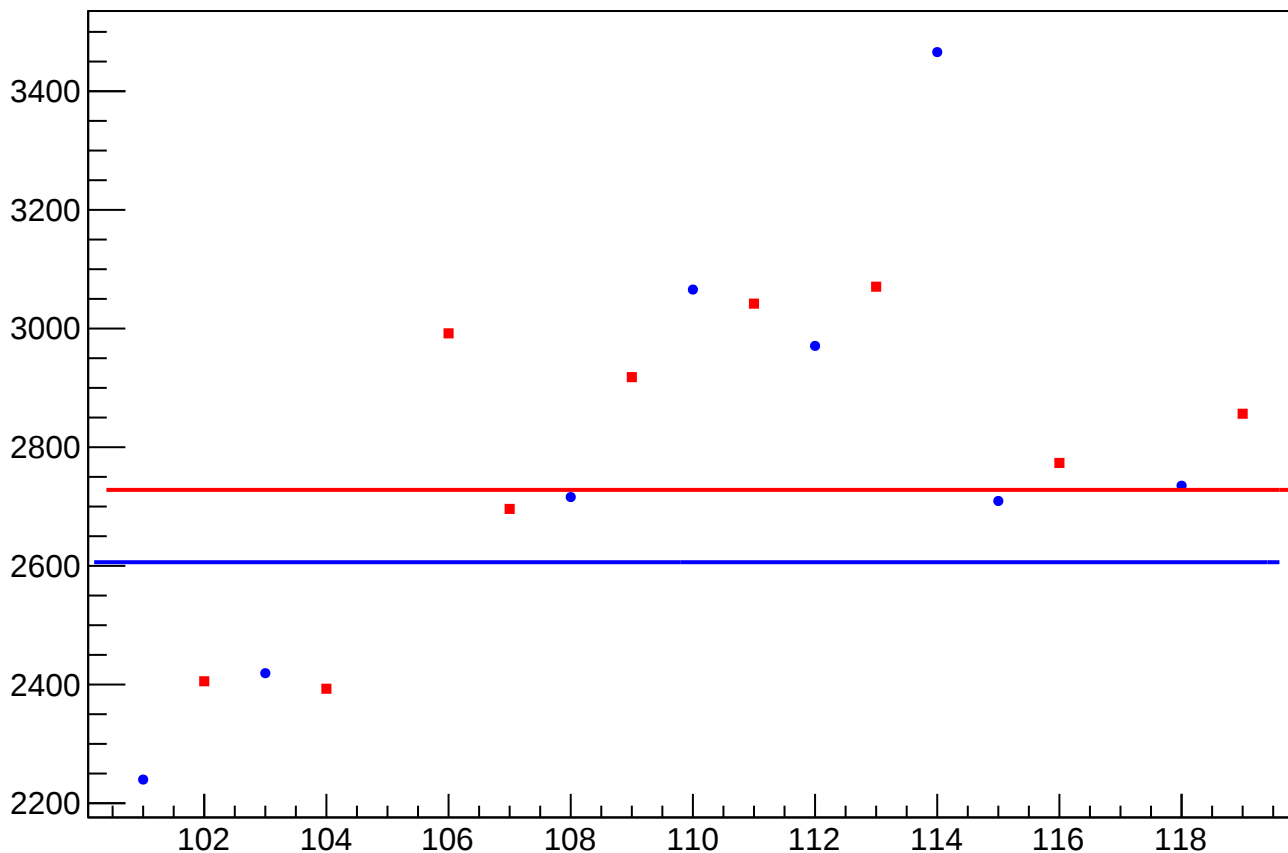
Right: -266.490+/-1018.468  $\chi^2/\text{NDF}$ : 12.9/16

In: 908.206+/-1488.390  $\chi^2/\text{NDF}$ : 5.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -266.490+/-1018.468  $\chi^2/\text{NDF}$ : 12.9/16

# asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 2606.184+/-1.052  $\chi^2/\text{NDF}$ : 85467.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2728.093+/-0.988  $\chi^2/\text{NDF}$ : 70597.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

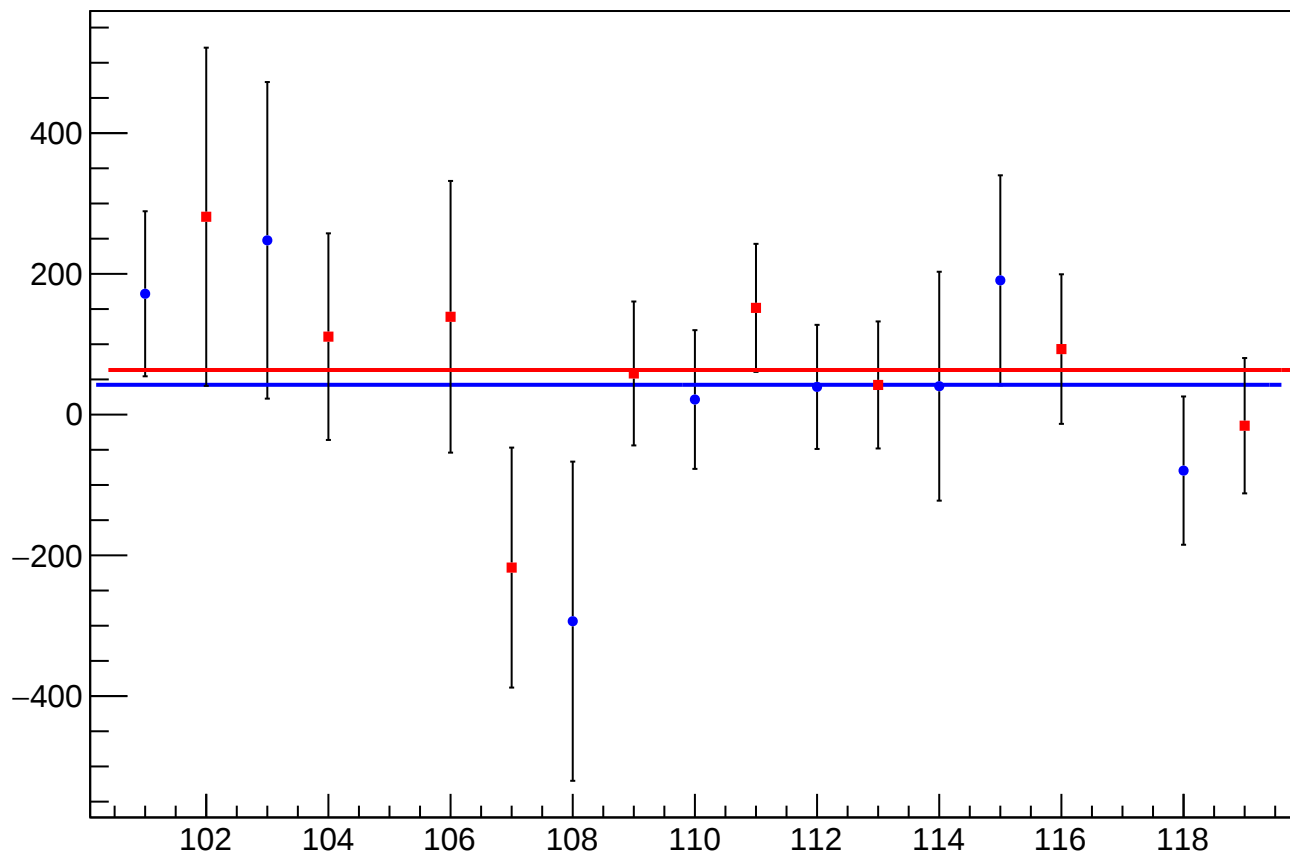
Right: 2671.011+/-0.720  $\chi^2/\text{NDF}$ : 163200.0/16

In: 2606.184+/-1.052  $\chi^2/\text{NDF}$ : 85467.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2671.011+/-0.720  $\chi^2/\text{NDF}$ : 163200.0/16

dit\_asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 42.352+/-44.014  $\chi^2/\text{NDF}$ : 6.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 63.396+/-38.902  $\chi^2/\text{NDF}$ : 5.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

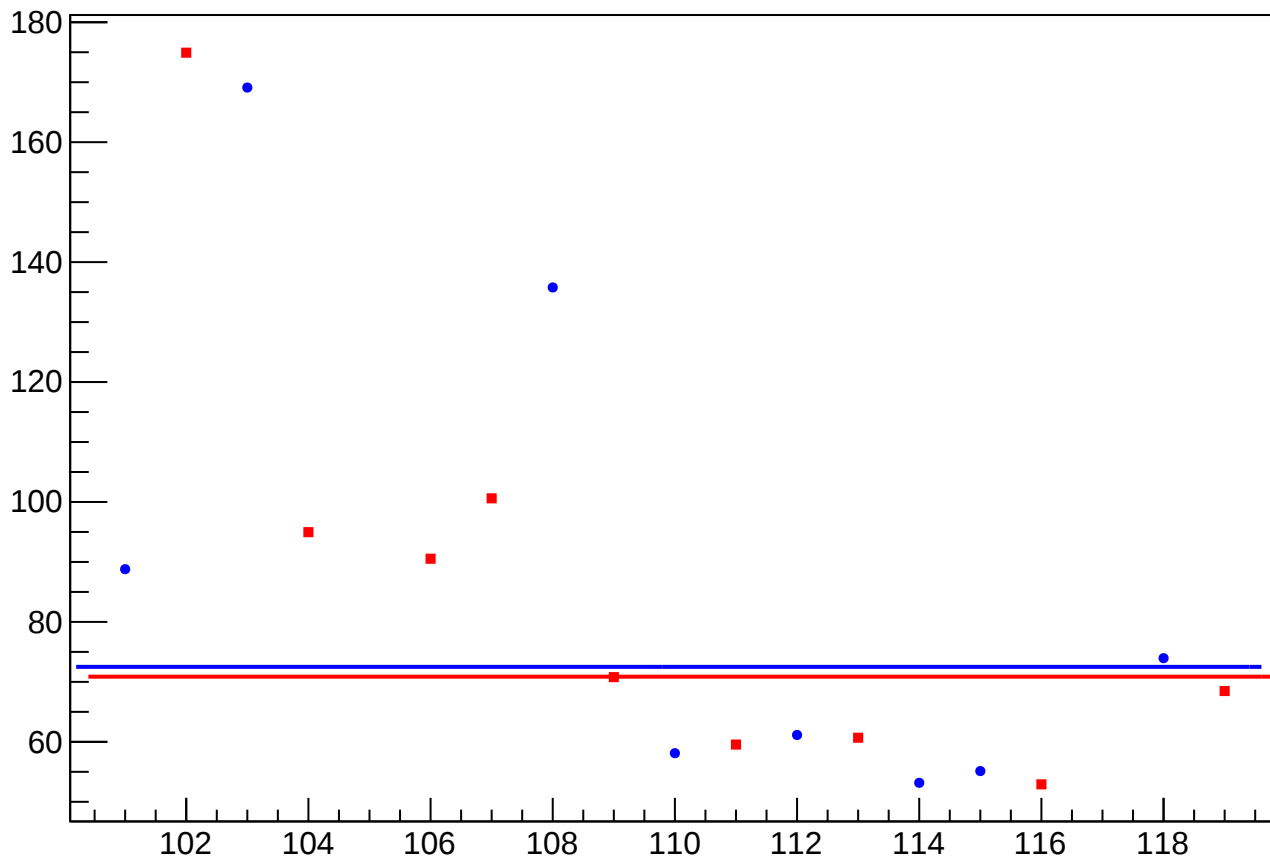
Right: 54.167+/-29.148  $\chi^2/\text{NDF}$ : 12.3/16

In: 42.352+/-44.014  $\chi^2/\text{NDF}$ : 6.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 54.167+/-29.148  $\chi^2/\text{NDF}$ : 12.3/16

dit\_asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 72.506+/-0.031  $\chi^2/\text{NDF}$ : 694722.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.866+/-0.028  $\chi^2/\text{NDF}$ : 625317.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

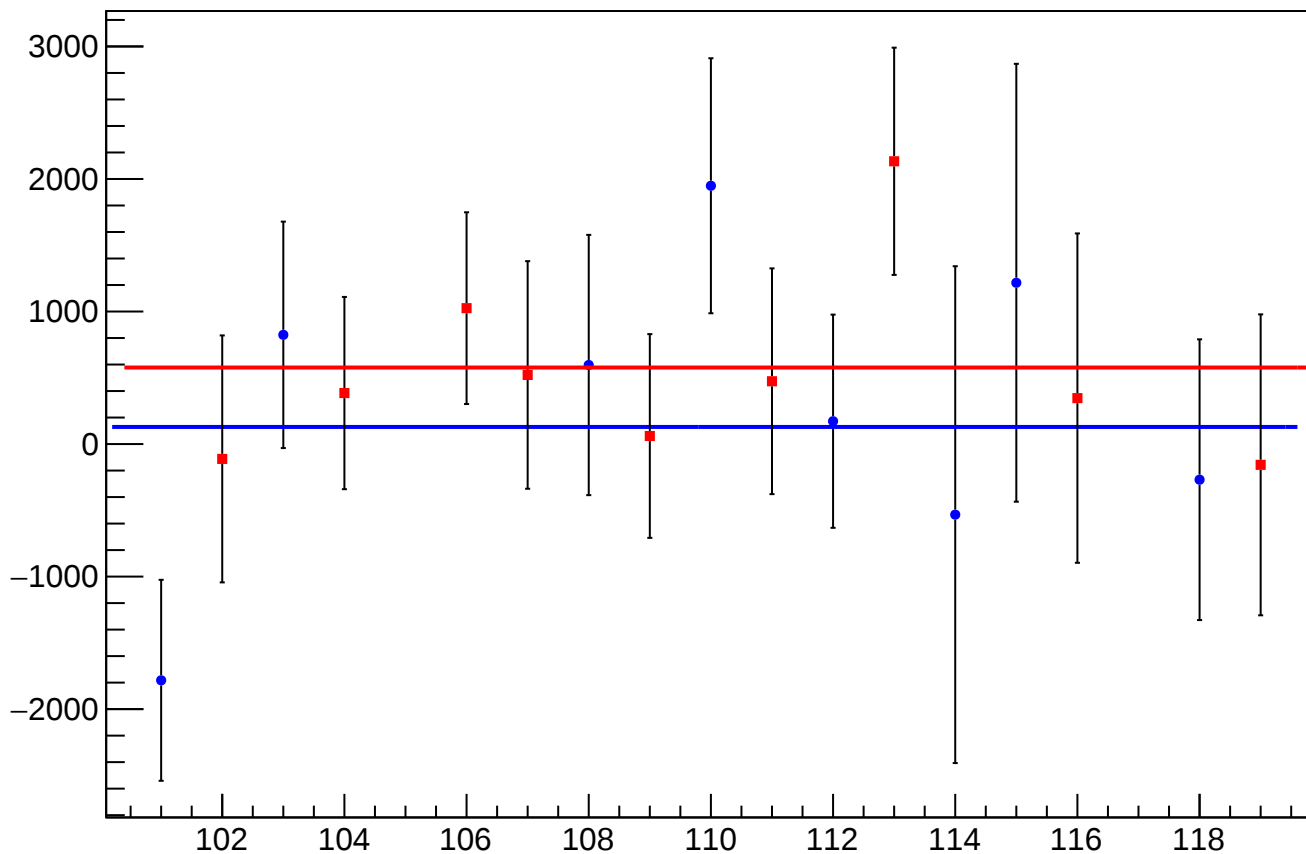
Right: 71.585+/-0.021  $\chi^2/\text{NDF}$ : 1321598.2/16

In: 72.506+/-0.031  $\chi^2/\text{NDF}$ : 694722.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 71.585+/-0.021  $\chi^2/\text{NDF}$ : 1321598.2/16

asym\_sam\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 129.093+/-346.785  $\chi^2/\text{NDF}$ : 11.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 577.486+/-286.596  $\chi^2/\text{NDF}$ : 5.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

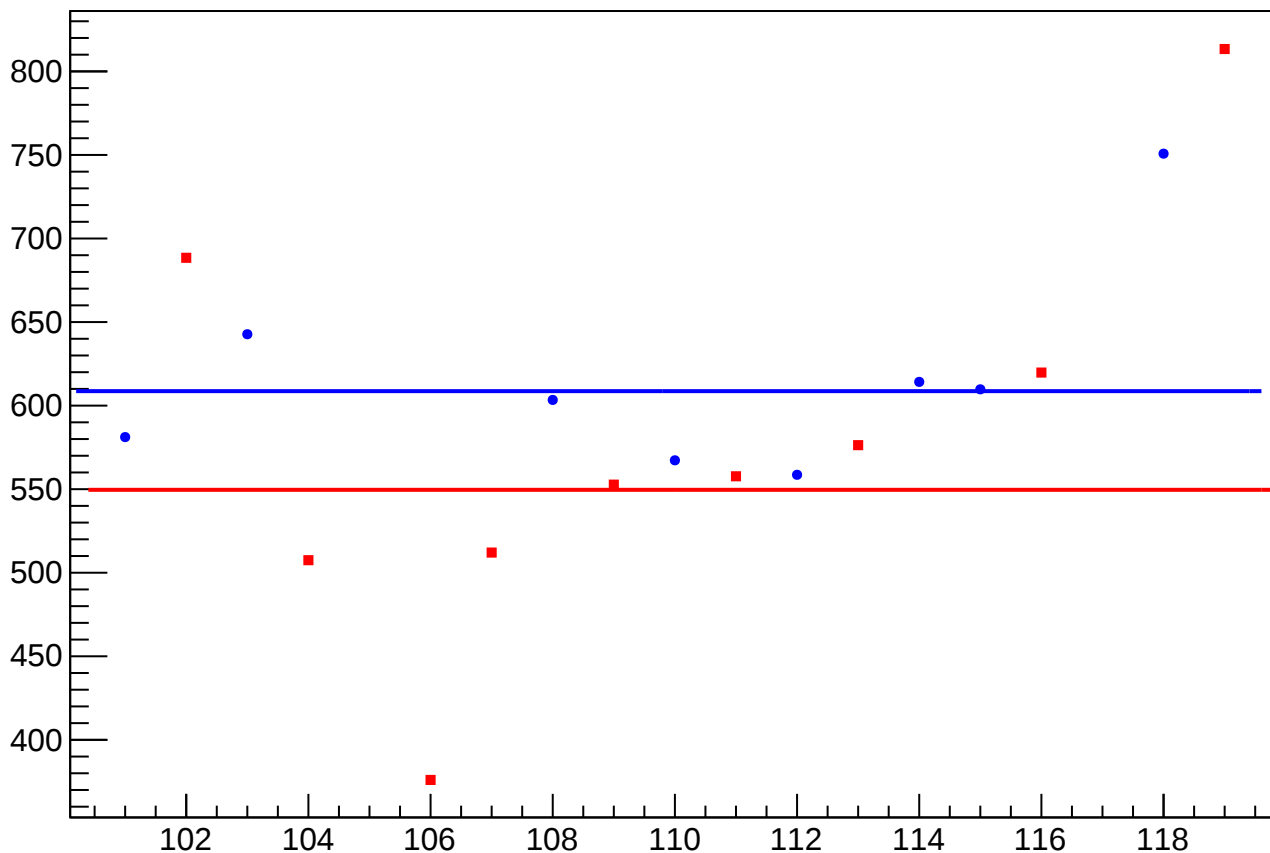
Right: 395.518+/-220.917  $\chi^2/\text{NDF}$ : 17.7/16

In: 129.093+/-346.785  $\chi^2/\text{NDF}$ : 11.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 395.518+/-220.917  $\chi^2/\text{NDF}$ : 17.7/16

asym\_sam\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 608.664+/-0.245  $\chi^2/\text{NDF}$ : 53340.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 549.619+/-0.203  $\chi^2/\text{NDF}$ : 286651.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

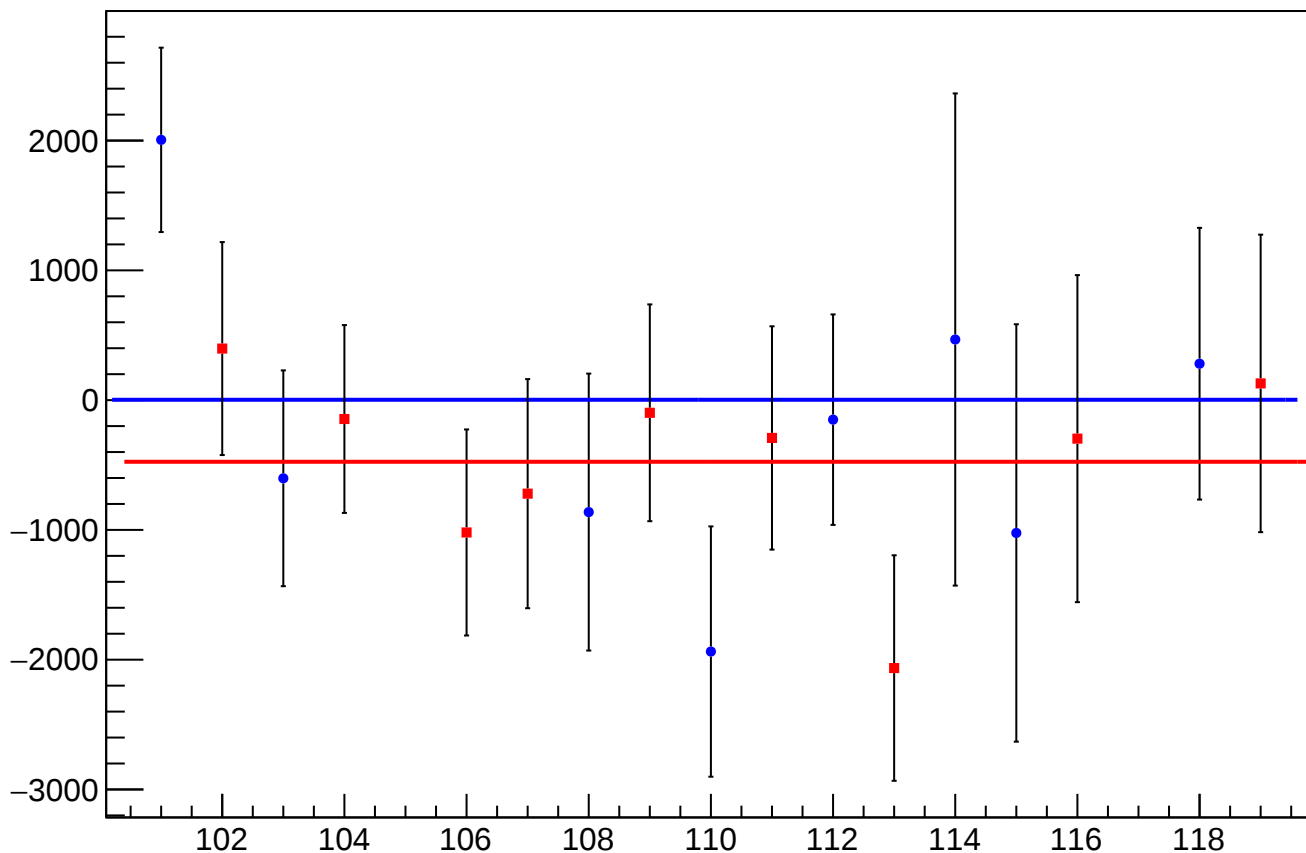
Right: 573.580+/-0.156  $\chi^2/\text{NDF}$ : 374442.3/16

In: 608.664+/-0.245  $\chi^2/\text{NDF}$ : 53340.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 573.580+/-0.156  $\chi^2/\text{NDF}$ : 374442.3/16

# asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 2.792+/-343.417  $\chi^2/\text{NDF}$ : 13.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -474.965+/-291.554  $\chi^2/\text{NDF}$ : 5.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

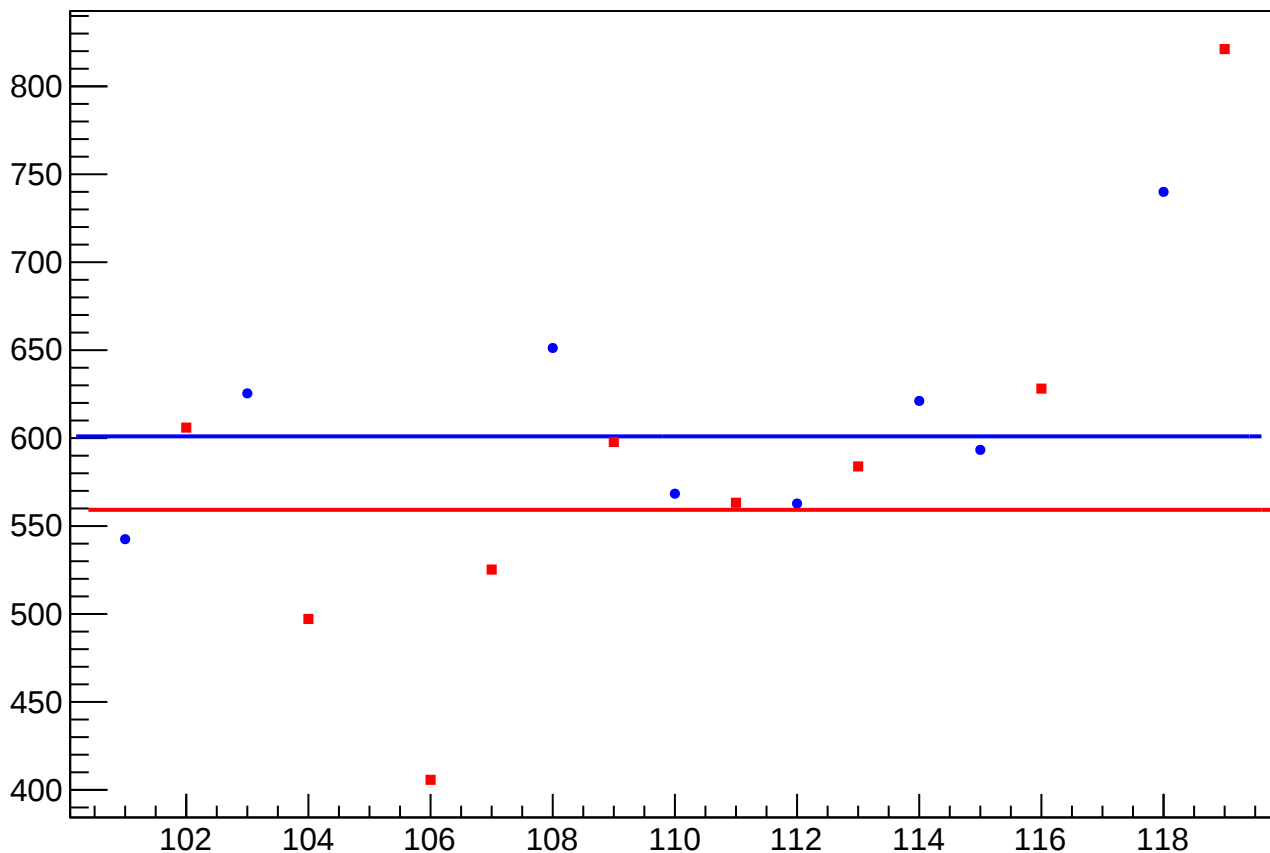
Right: -274.851+/-222.258  $\chi^2/\text{NDF}$ : 20.7/16

In: 2.792+/-343.417  $\chi^2/\text{NDF}$ : 13.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -274.851+/-222.258  $\chi^2/\text{NDF}$ : 20.7/16

# asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 600.993+/-0.243  $\chi^2/\text{NDF}$ : 61957.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 559.225+/-0.206  $\chi^2/\text{NDF}$ : 215247.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

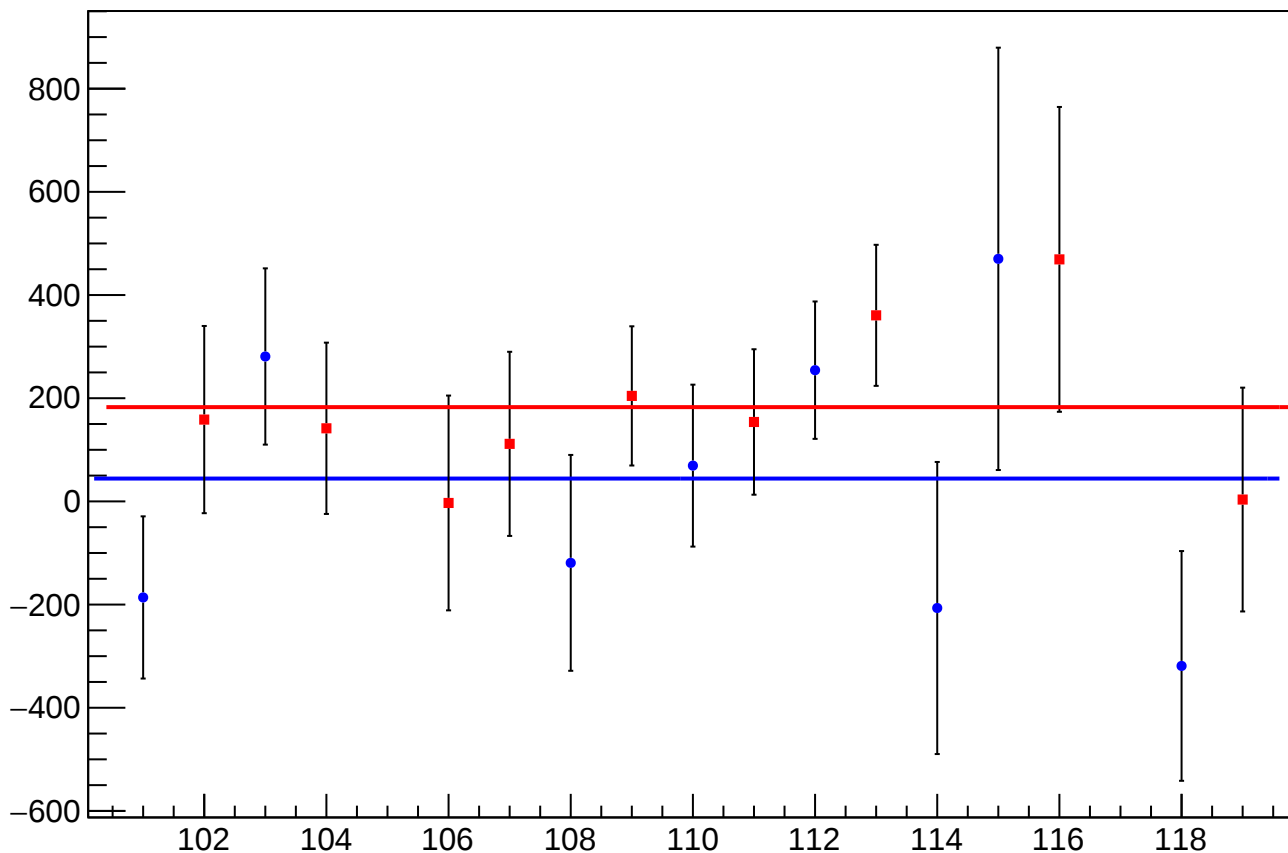
Right: 576.720+/-0.157  $\chi^2/\text{NDF}$ : 294398.0/16

In: 600.993+/-0.243  $\chi^2/\text{NDF}$ : 61957.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 576.720+/-0.157  $\chi^2/\text{NDF}$ : 294398.0/16

# dit\_asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 44.264+/-65.485  $\chi^2/\text{NDF}$ : 11.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 182.712+/-56.559  $\chi^2/\text{NDF}$ : 4.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

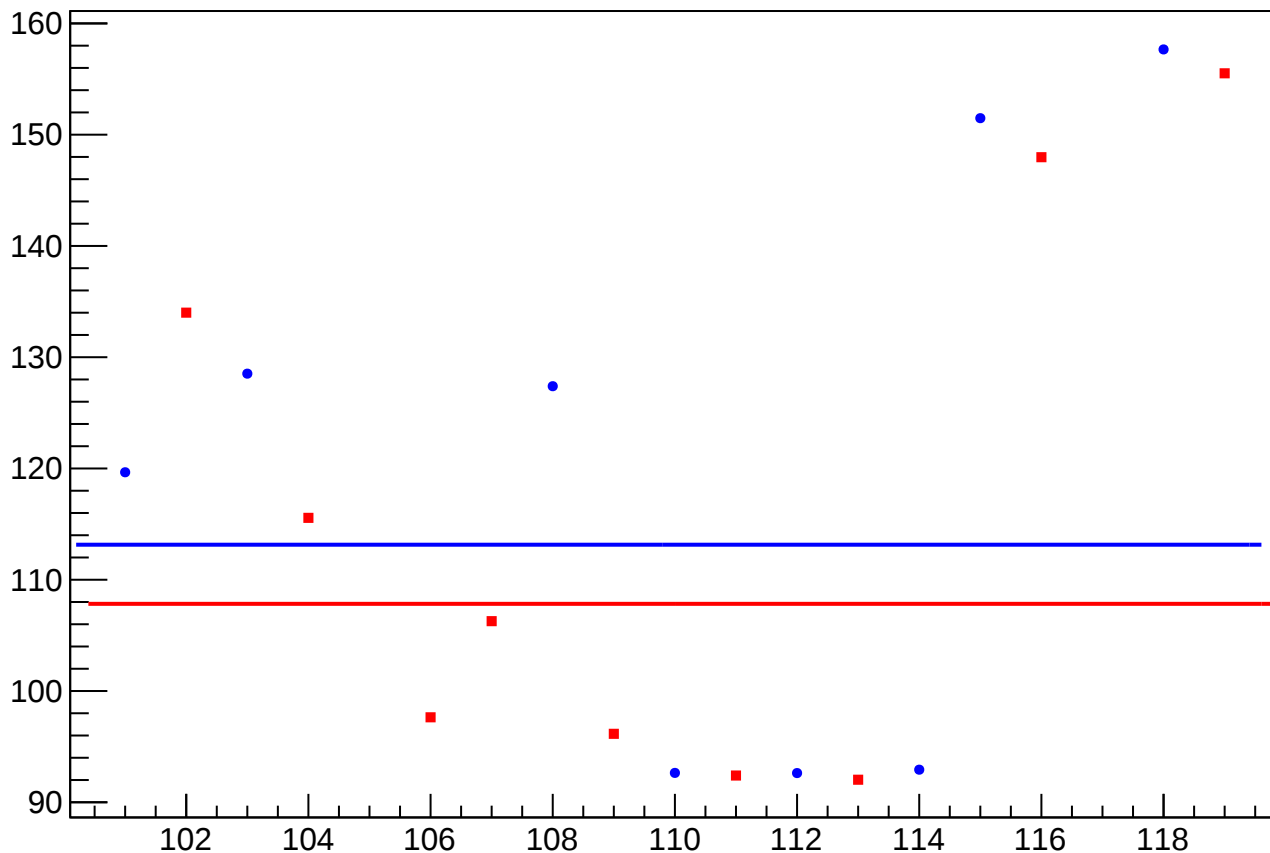
Right: 123.560+/-42.804  $\chi^2/\text{NDF}$ : 18.7/16

In: 44.264+/-65.485  $\chi^2/\text{NDF}$ : 11.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 123.560+/-42.804  $\chi^2/\text{NDF}$ : 18.7/16

# dit\_asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 113.149+/-0.046  $\chi^2/\text{NDF}$ : 218256.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 107.834+/-0.040  $\chi^2/\text{NDF}$ : 250152.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

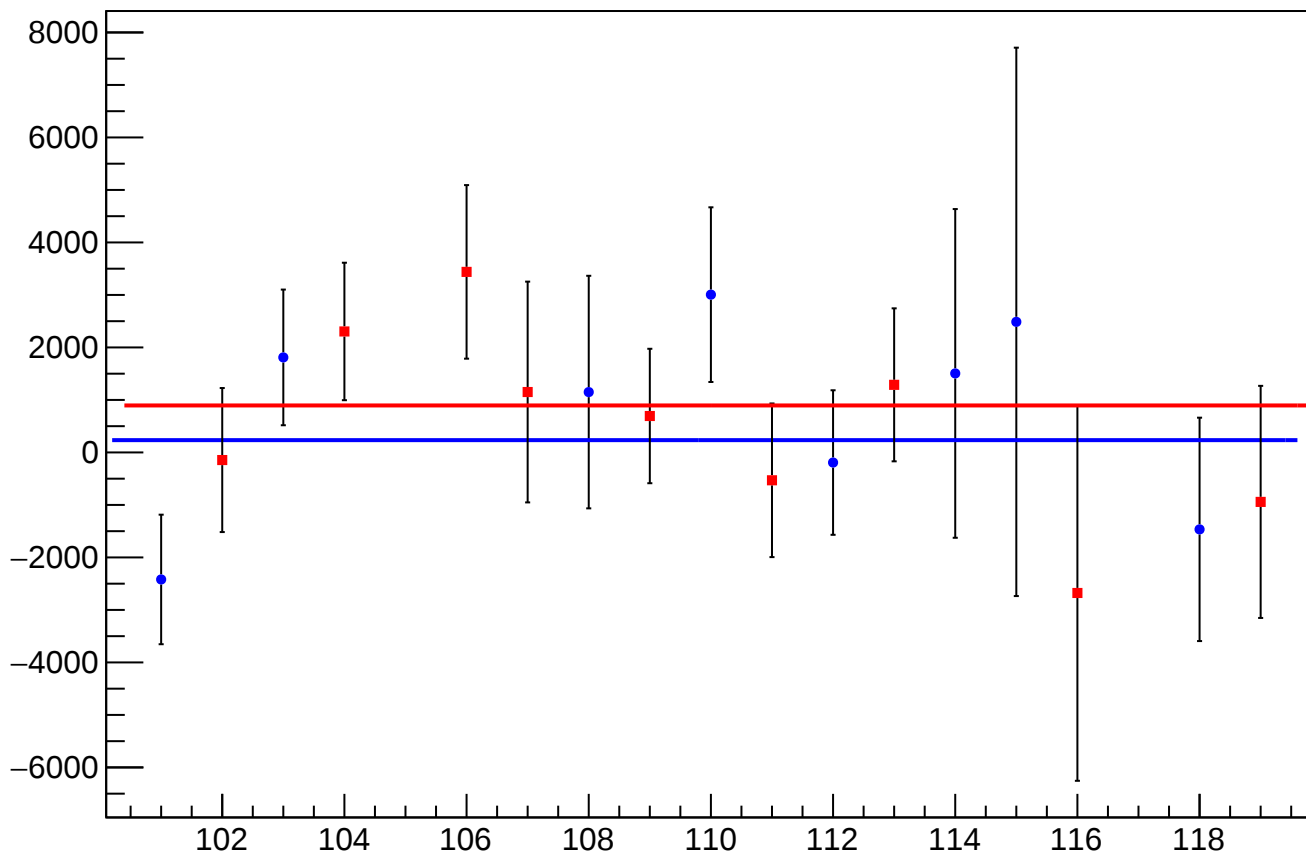
Right: 110.105+/-0.030  $\chi^2/\text{NDF}$ : 475952.7/16

In: 113.149+/-0.046  $\chi^2/\text{NDF}$ : 218256.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 110.105+/-0.030  $\chi^2/\text{NDF}$ : 475952.7/16

asym\_sam\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 234.075+/-607.655  $\chi^2/\text{NDF}$ : 10.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 894.833+/-531.681  $\chi^2/\text{NDF}$ : 6.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

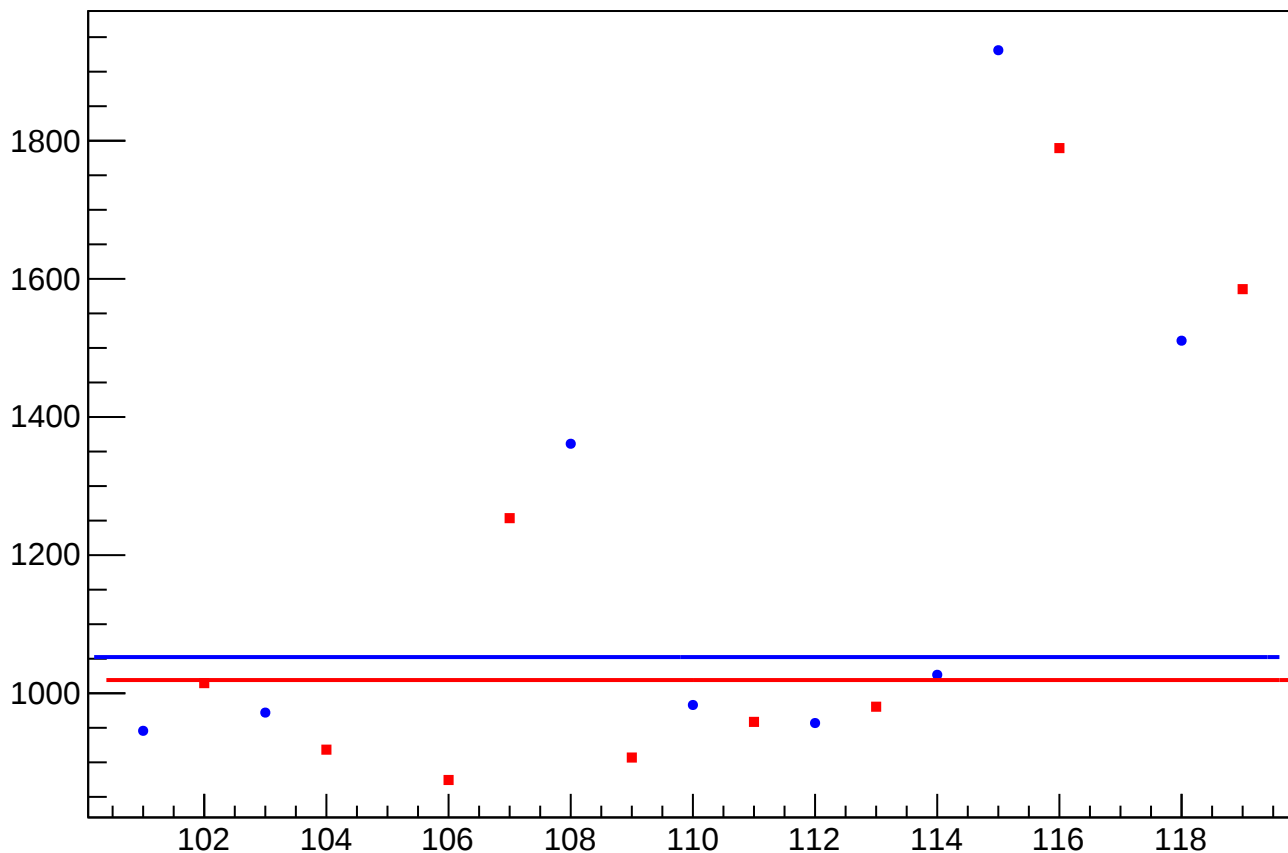
Right: 608.320+/-400.136  $\chi^2/\text{NDF}$ : 17.7/16

In: 234.075+/-607.655  $\chi^2/\text{NDF}$ : 10.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 608.320+/-400.136  $\chi^2/\text{NDF}$ : 17.7/16

asym\_sam\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1052.417+/-0.430  $\chi^2/\text{NDF}$ : 224154.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1019.153+/-0.376  $\chi^2/\text{NDF}$ : 296044.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

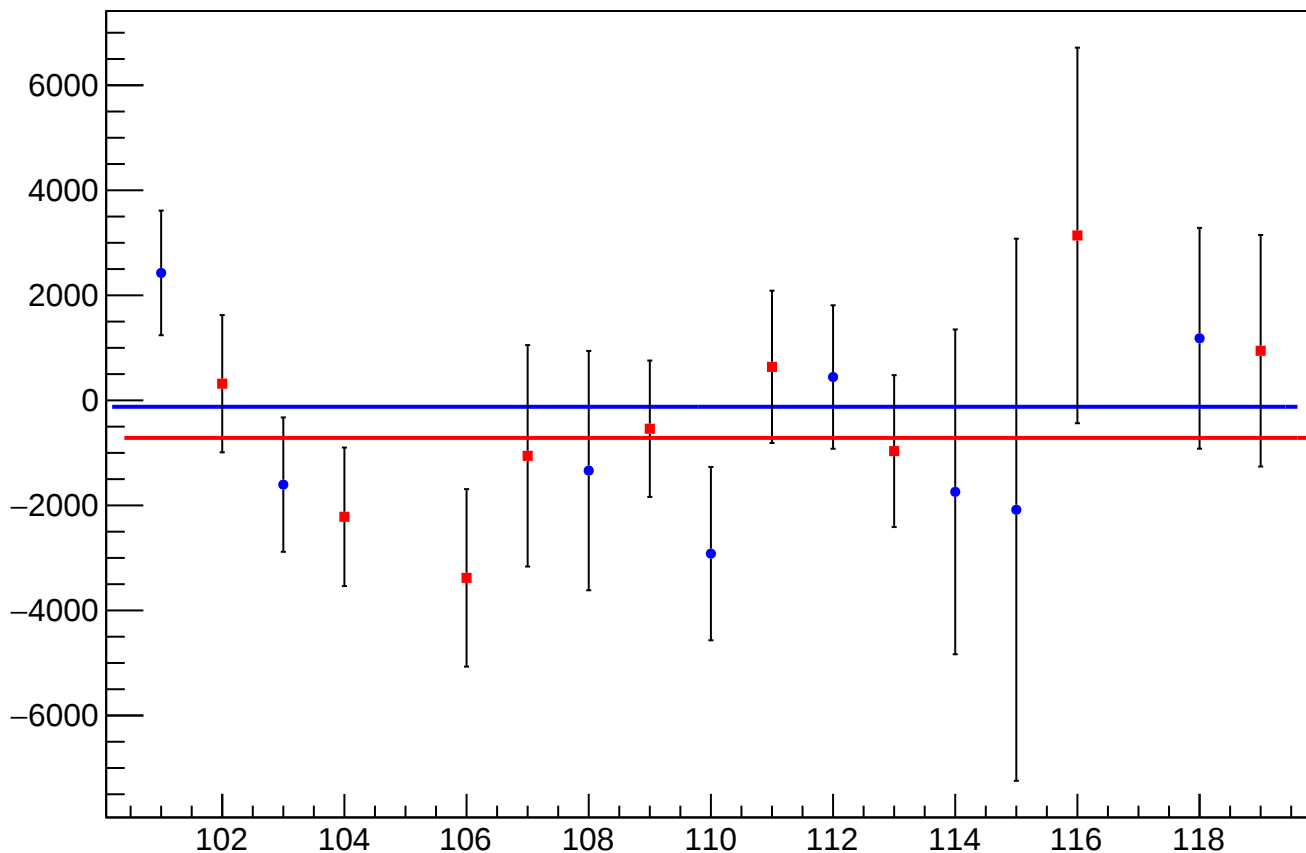
Right: 1033.577+/-0.283  $\chi^2/\text{NDF}$ : 523593.4/16

In: 1052.417+/-0.430  $\chi^2/\text{NDF}$ : 224154.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1033.577+/-0.283  $\chi^2/\text{NDF}$ : 523593.4/16

# asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: -122.083+/-599.114  $\chi^2/\text{NDF}$ : 10.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -714.556+/-529.523  $\chi^2/\text{NDF}$ : 7.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

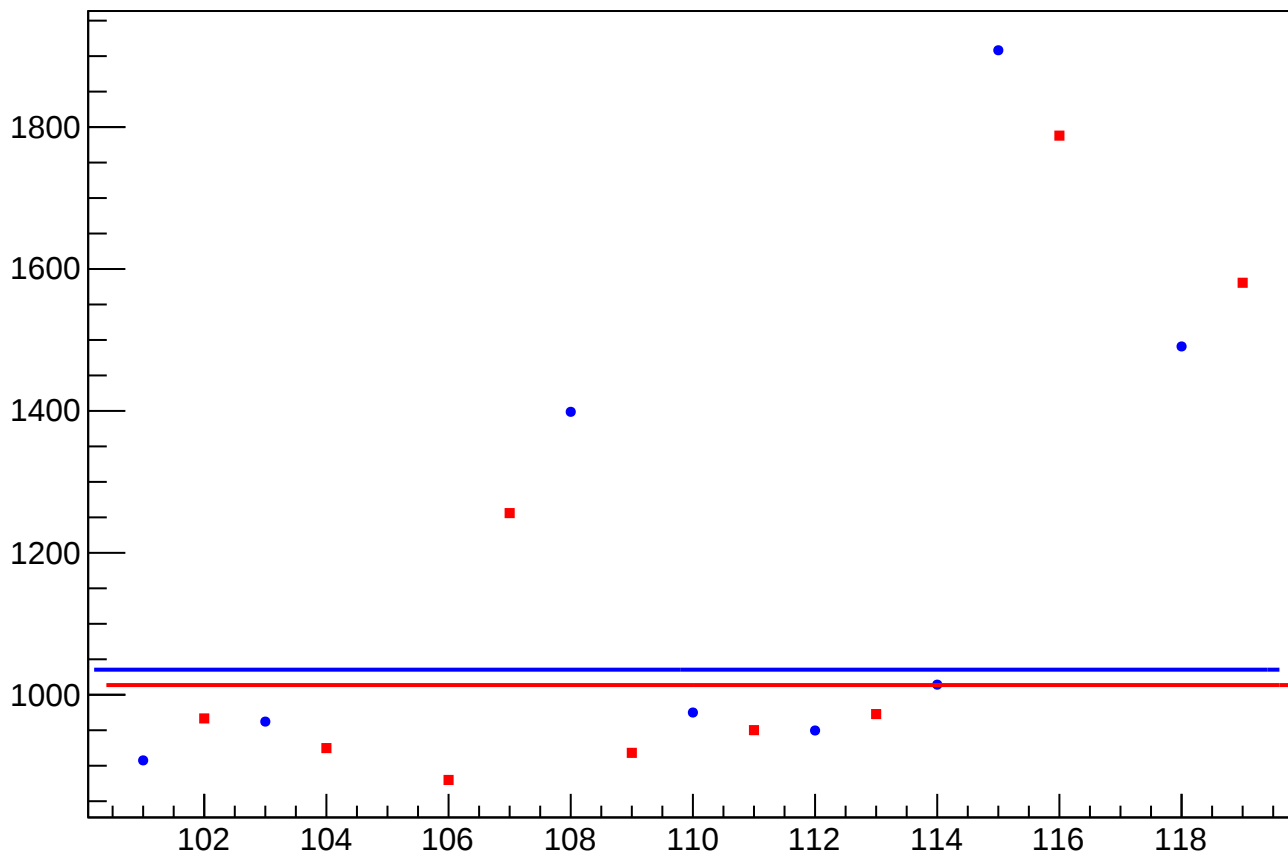
Right: -454.712+/-396.763  $\chi^2/\text{NDF}$ : 17.7/16

In: -122.083+/-599.114  $\chi^2/\text{NDF}$ : 10.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -454.712+/-396.763  $\chi^2/\text{NDF}$ : 17.7/16

# asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 1035.356+/-0.424  $\chi^2/\text{NDF}$ : 242409.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1013.667+/-0.374  $\chi^2/\text{NDF}$ : 292976.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

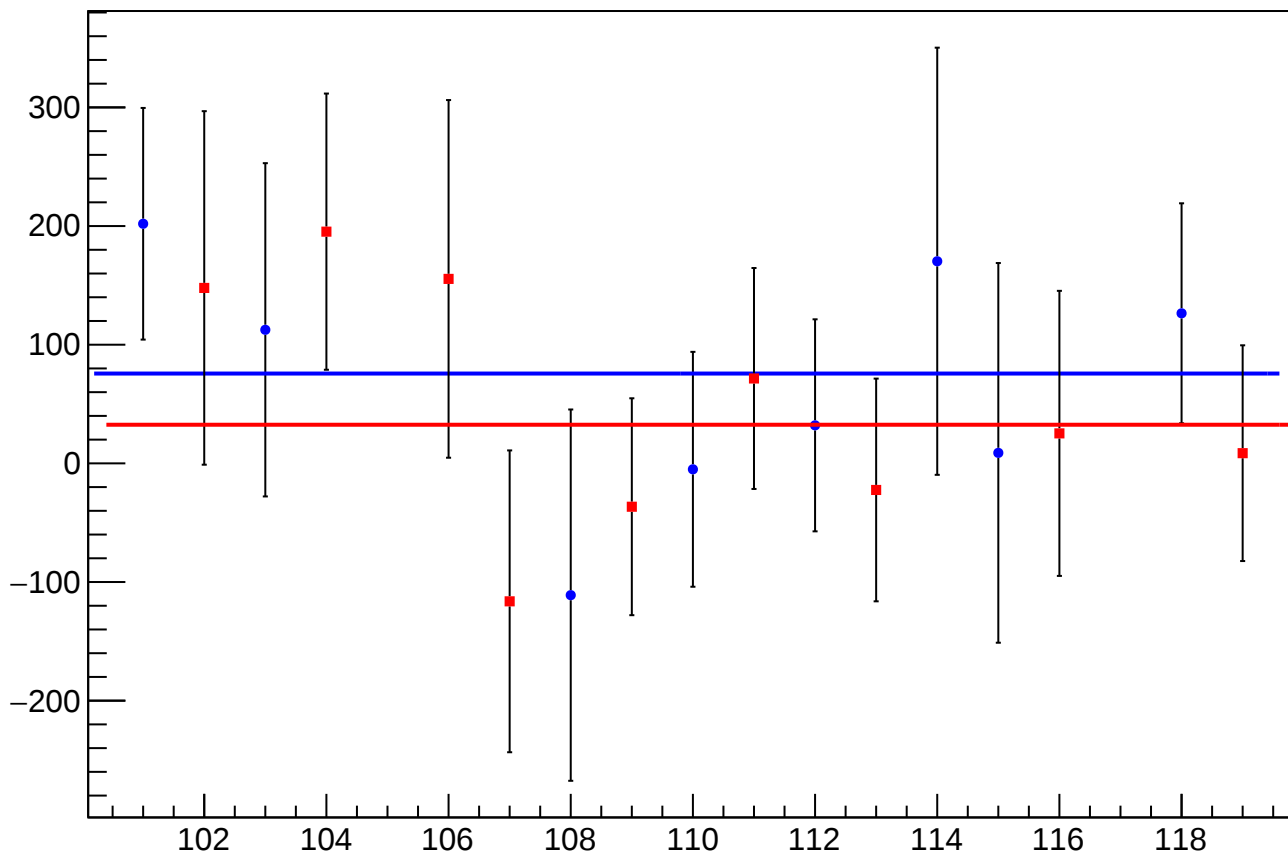
Right: 1023.179+/-0.281  $\chi^2/\text{NDF}$ : 536857.6/16

In: 1035.356+/-0.424  $\chi^2/\text{NDF}$ : 242409.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1023.179+/-0.281  $\chi^2/\text{NDF}$ : 536857.6/16

dit\_asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 75.698 $\pm$ 40.486  $\chi^2$ /NDF: 4.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.549 $\pm$ 36.189  $\chi^2$ /NDF: 5.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

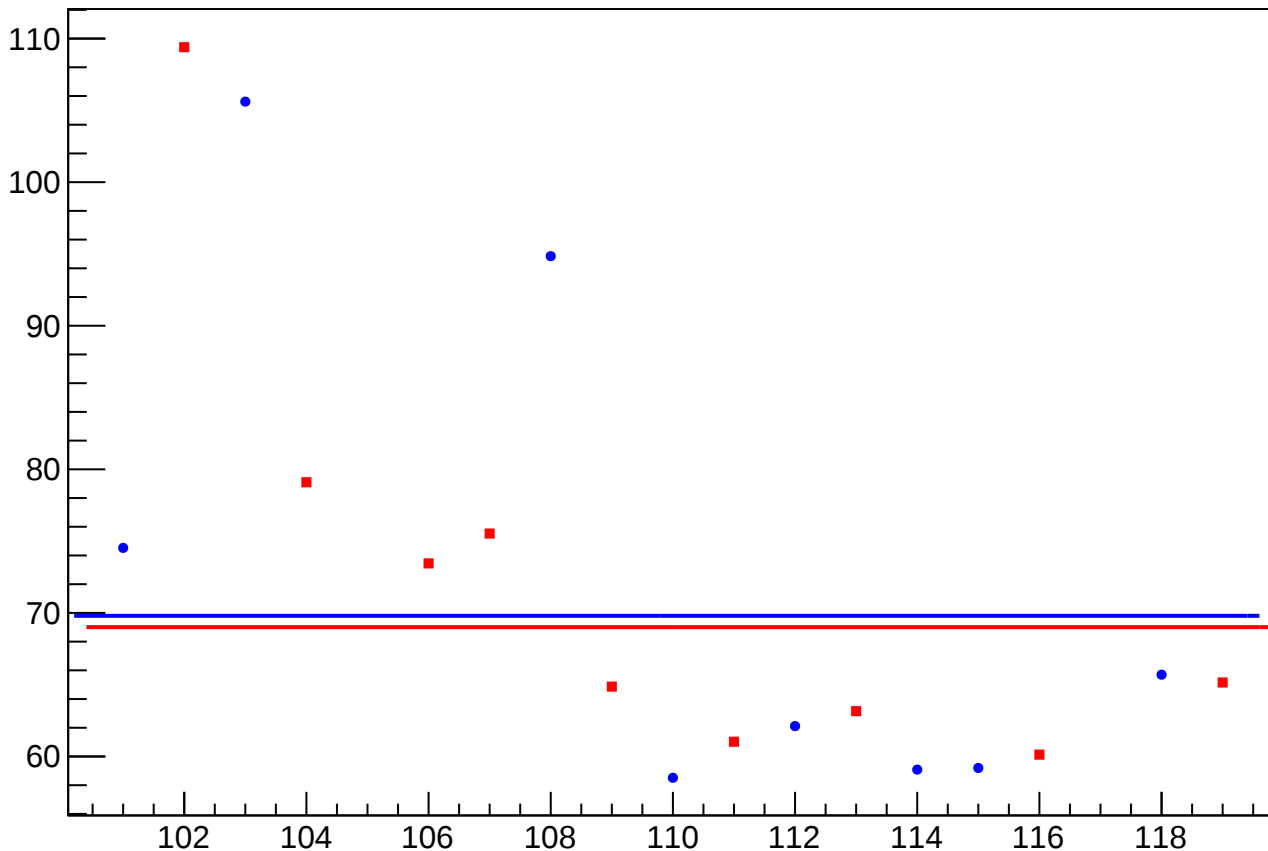
Right: 51.713 $\pm$ 26.981  $\chi^2$ /NDF: 11.2/16

In: 75.698 $\pm$ 40.486  $\chi^2$ /NDF:4.8/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 51.713 $\pm$ 26.981  $\chi^2$ /NDF: 11.2/16

dit\_asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 69.798+/-0.029  $\chi^2/\text{NDF}$ : 246515.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 69.010+/-0.026  $\chi^2/\text{NDF}$ : 210135.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

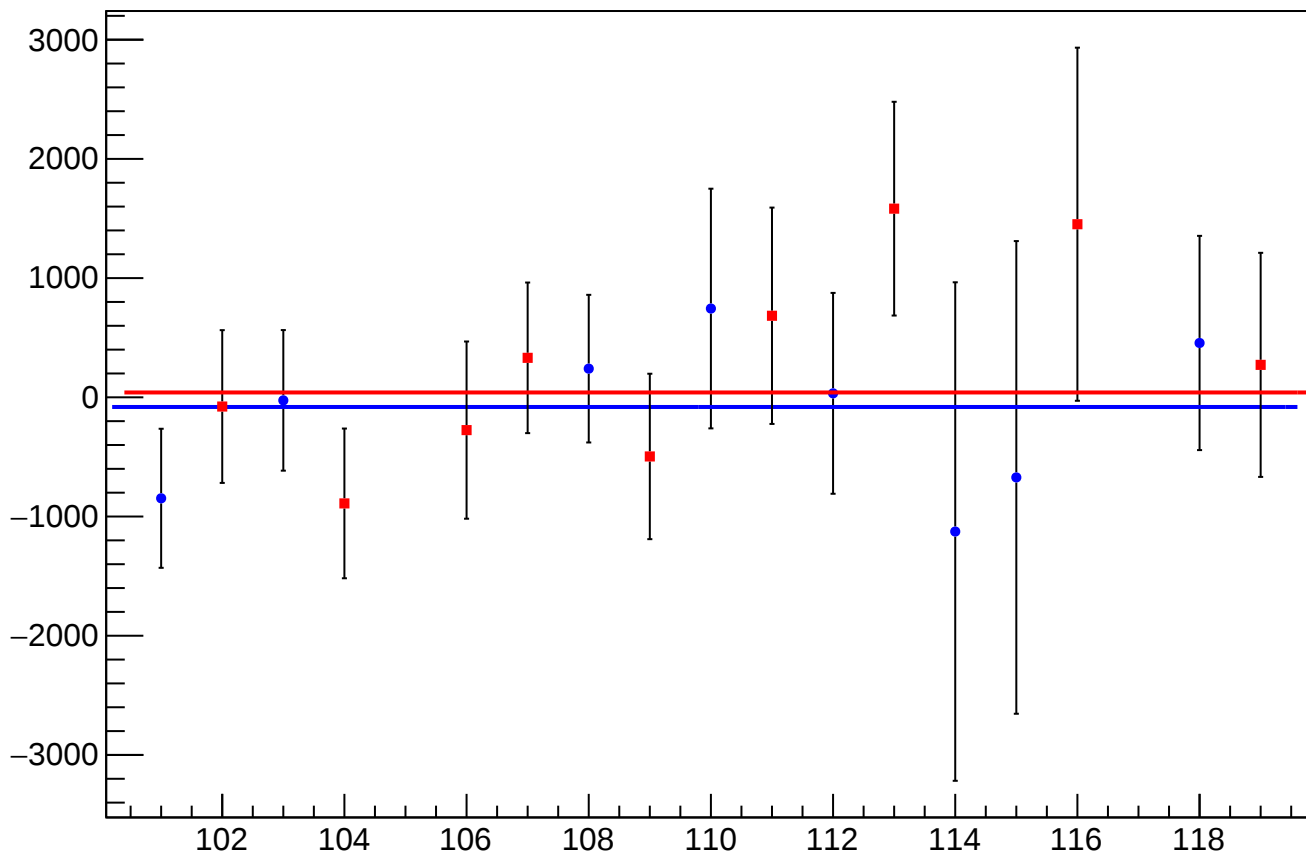
Right: 69.360+/-0.019  $\chi^2/\text{NDF}$ : 457073.1/16

In: 69.798+/-0.029  $\chi^2/\text{NDF}$ :246515.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 69.360+/-0.019  $\chi^2/\text{NDF}$ : 457073.1/16

asym\_sam\_13\_57\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -81.050+/-282.363  $\chi^2/\text{NDF}$ : 3.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.691+/-254.731  $\chi^2/\text{NDF}$ : 7.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

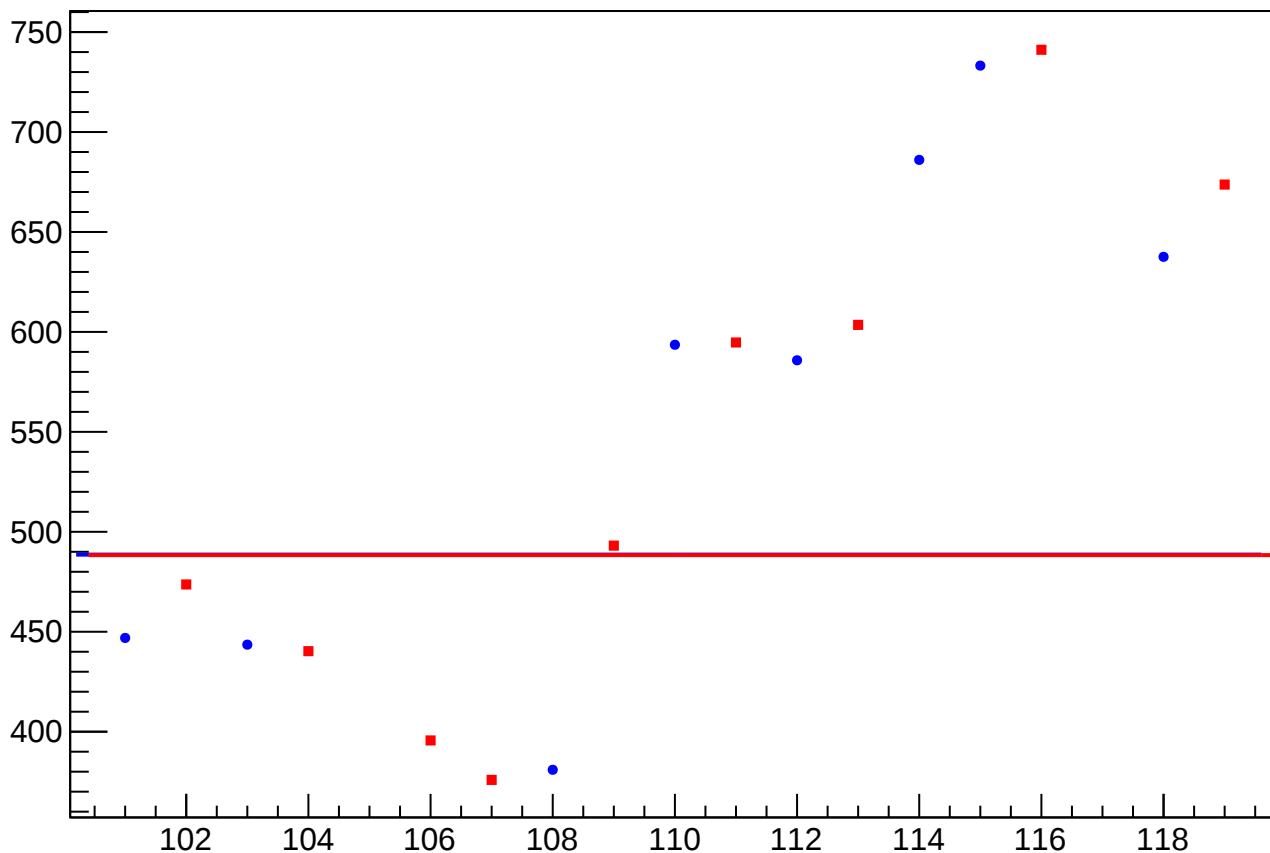
Right: -13.933+/-189.139  $\chi^2/\text{NDF}$ : 11.1/16

In: -81.050+/-282.363  $\chi^2/\text{NDF}$ : 3.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.933+/-189.139  $\chi^2/\text{NDF}$ : 11.1/16

asym\_sam\_13\_57\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 488.591+/-0.200  $\chi^2/\text{NDF}$ : 234023.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 488.352+/-0.180  $\chi^2/\text{NDF}$ : 303929.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

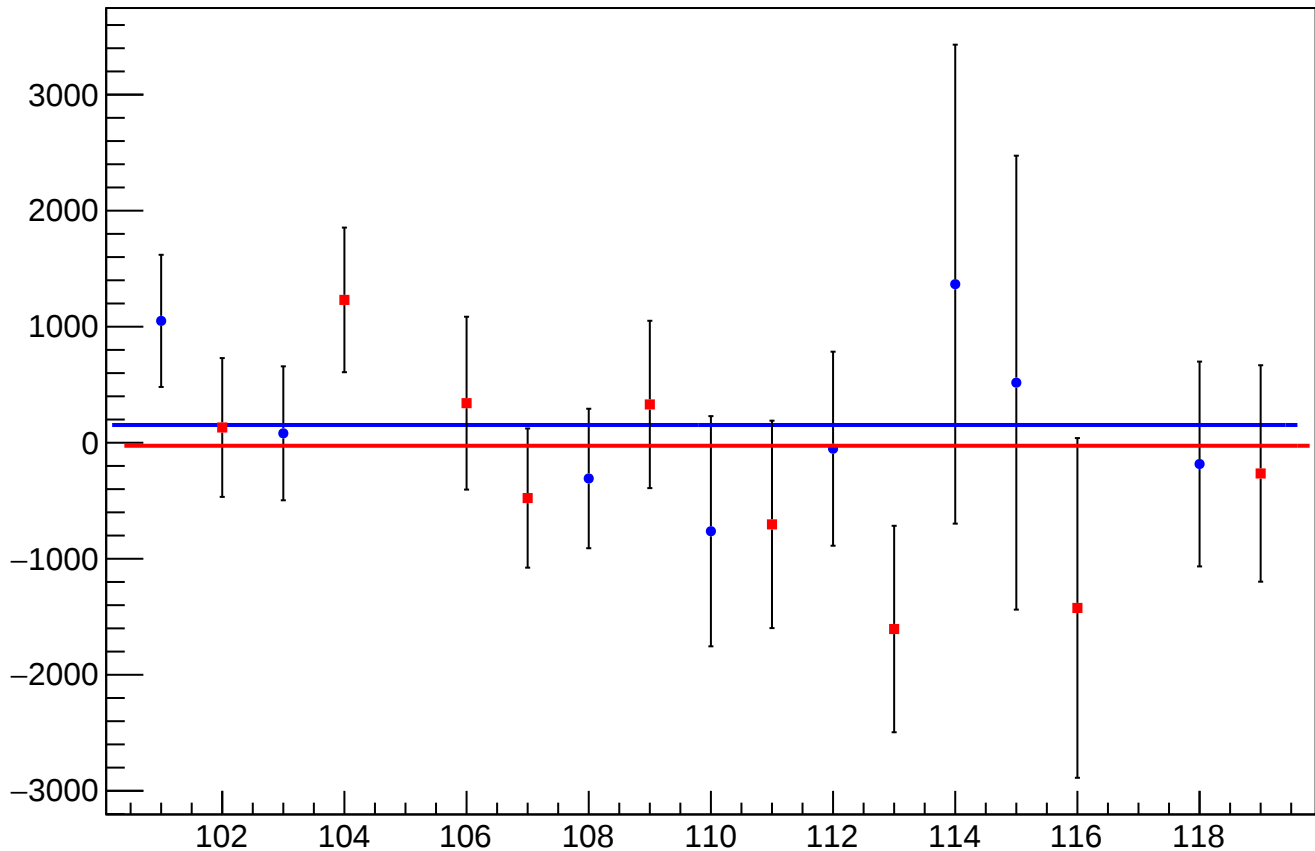
Right: 488.459+/-0.134  $\chi^2/\text{NDF}$ : 537954.3/16

In: 488.591+/-0.200  $\chi^2/\text{NDF}$ : 234023.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 488.459+/-0.134  $\chi^2/\text{NDF}$ : 537954.3/16

asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 152.928+/-276.513  $\chi^2/\text{NDF}$ : 4.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -26.071+/-249.954  $\chi^2/\text{NDF}$ : 9.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

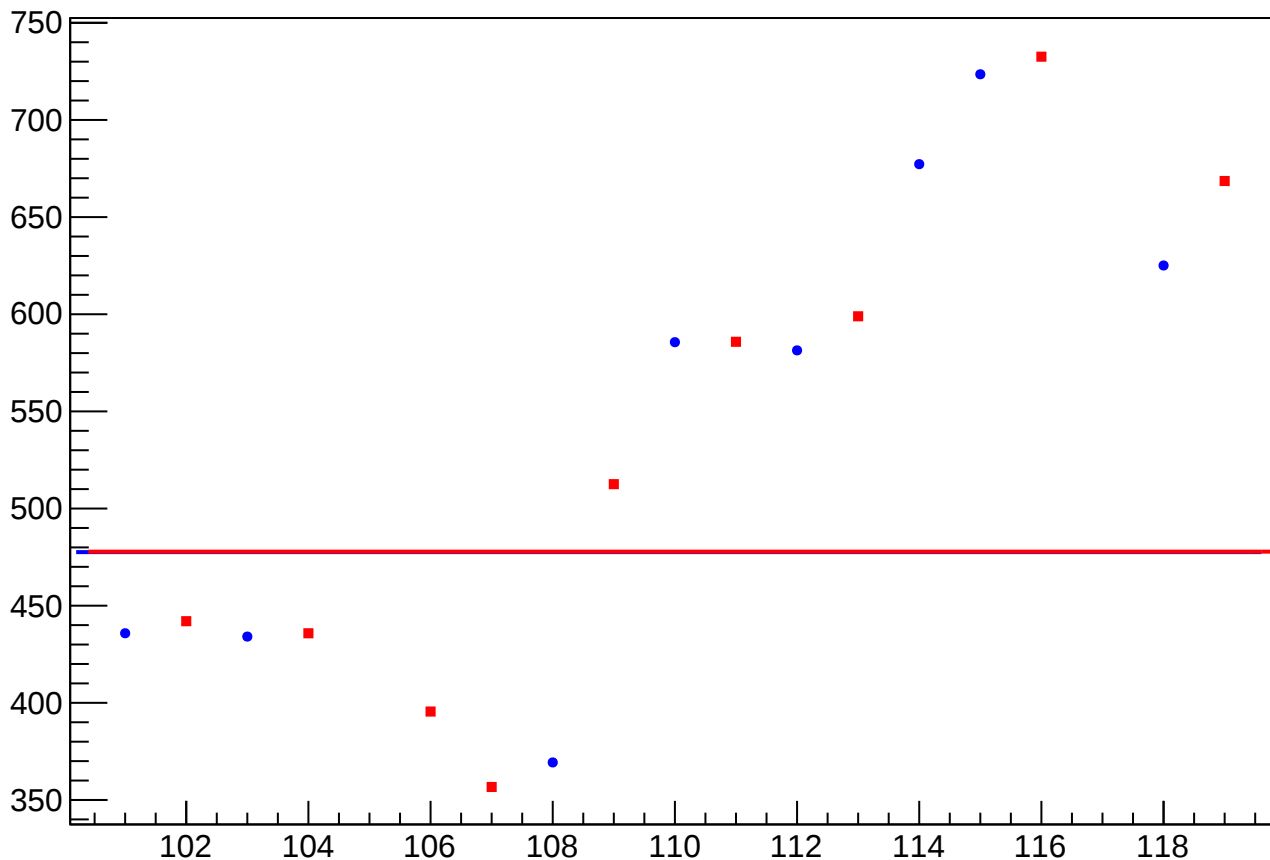
Right: 54.422+/-185.425  $\chi^2/\text{NDF}$ : 14.6/16

In: 152.928+/-276.513  $\chi^2/\text{NDF}$ :4.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 54.422+/-185.425  $\chi^2/\text{NDF}$ : 14.6/16

# asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 477.571+/-0.196  $\chi^2/\text{NDF}$ : 247761.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 477.814+/-0.177  $\chi^2/\text{NDF}$ : 337360.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

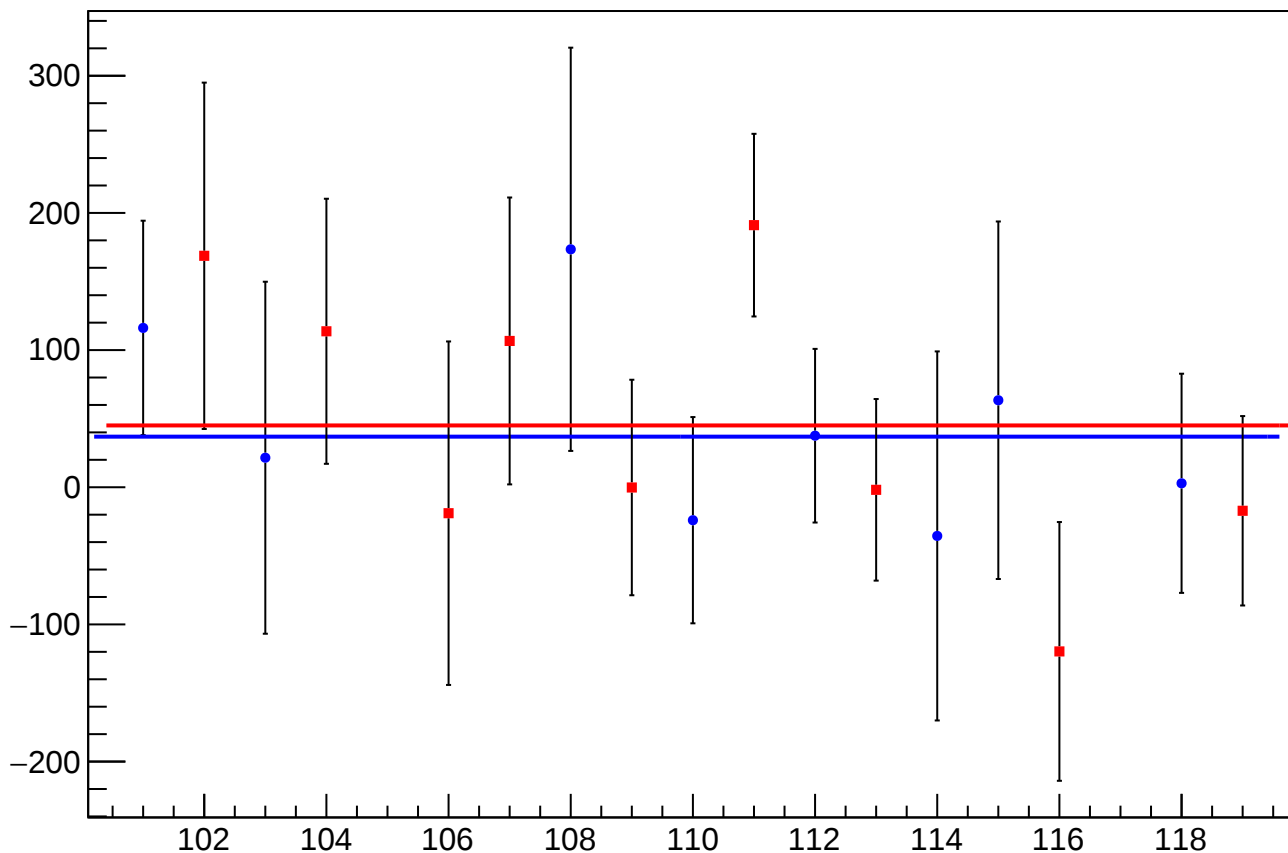
Right: 477.705+/-0.131  $\chi^2/\text{NDF}$ : 585121.9/16

In: 477.571+/-0.196  $\chi^2/\text{NDF}$ : 247761.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 477.705+/-0.131  $\chi^2/\text{NDF}$ : 585121.9/16

dit\_asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 36.888+/-32.142  $\chi^2/\text{NDF}$ : 3.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 45.065+/-28.138  $\chi^2/\text{NDF}$ : 11.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

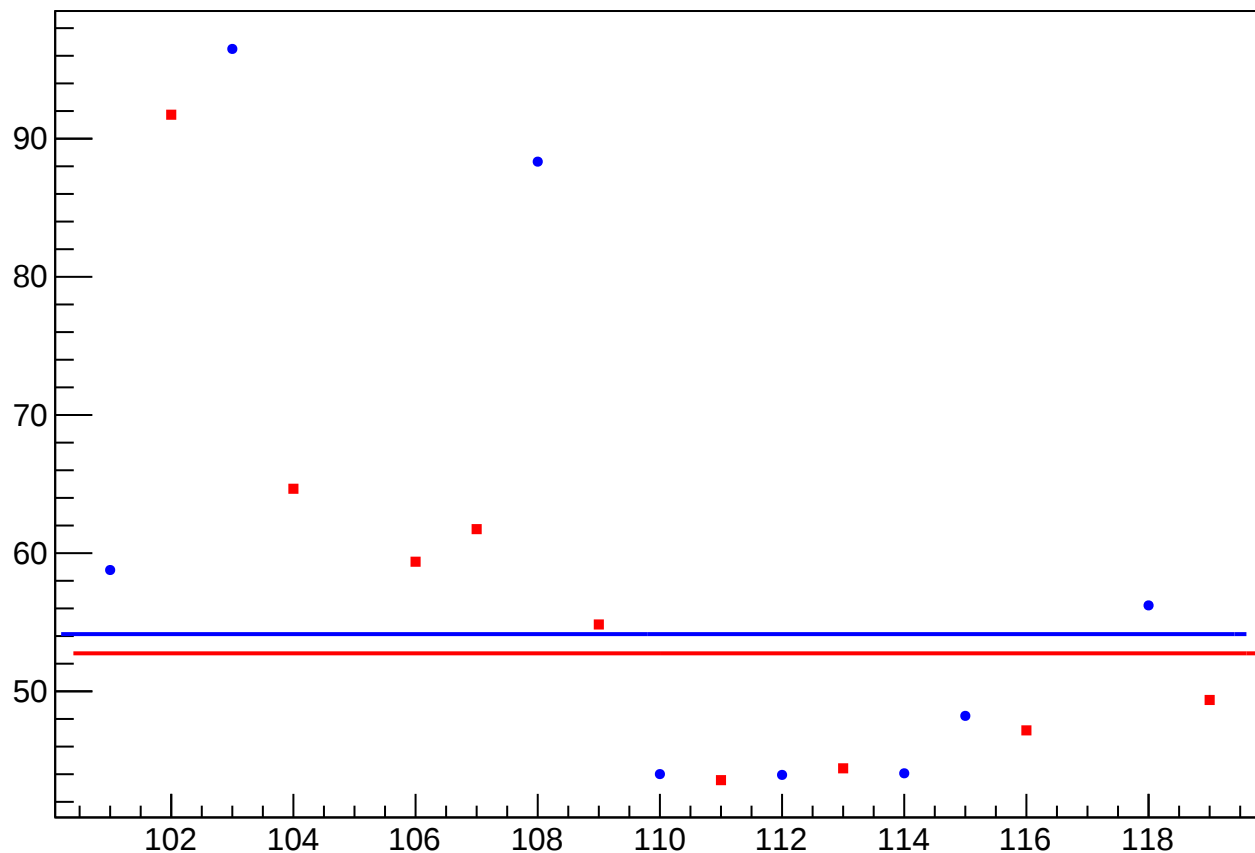
Right: 41.518+/-21.172  $\chi^2/\text{NDF}$ : 14.7/16

In: 36.888+/-32.142  $\chi^2/\text{NDF}$ : 3.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 41.518+/-21.172  $\chi^2/\text{NDF}$ : 14.7/16

dit\_asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 54.141 $\pm$ 0.023  $\chi^2$ /NDF: 438019.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 52.749 $\pm$ 0.020  $\chi^2$ /NDF: 324259.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

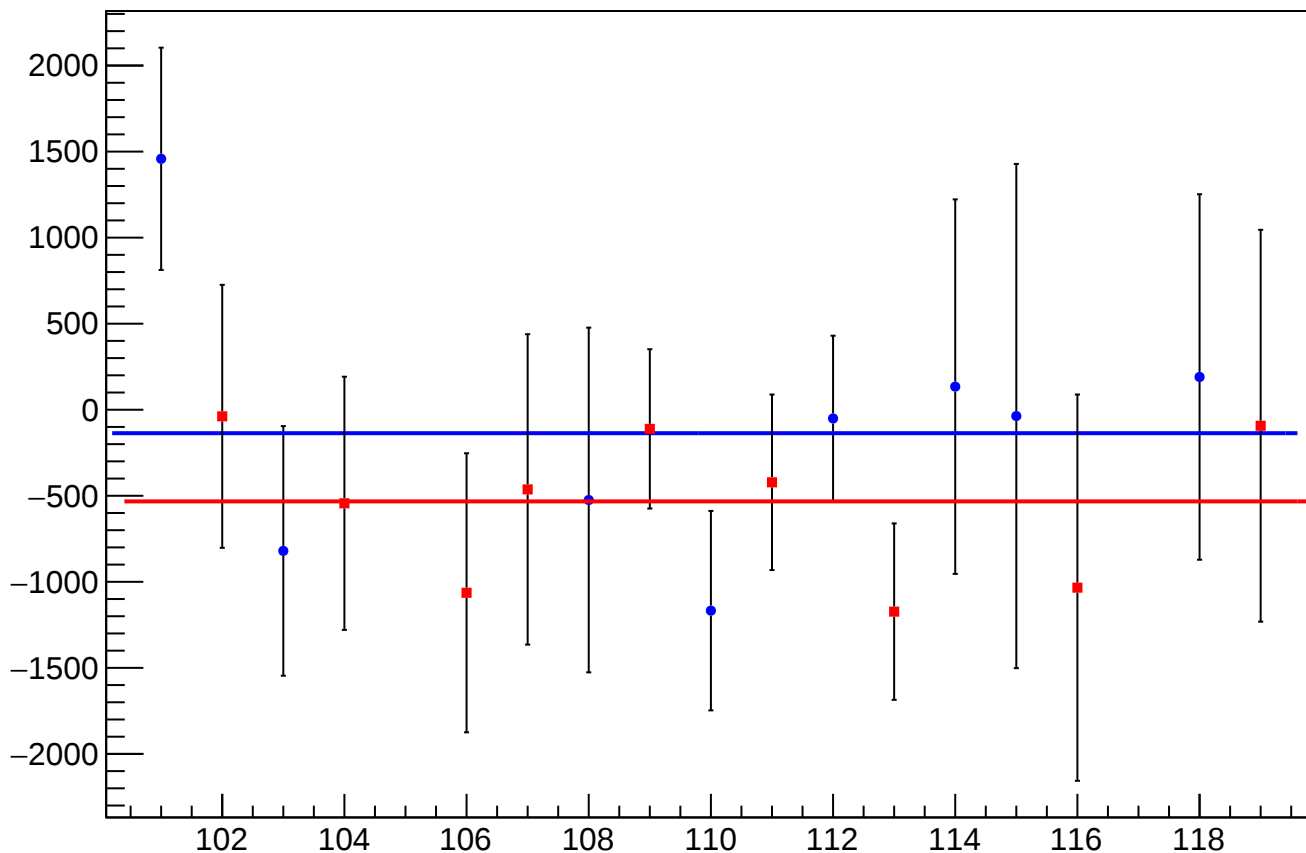
Right: 53.353 $\pm$ 0.015  $\chi^2$ /NDF: 764400.0/16

In: 54.141 $\pm$ 0.023  $\chi^2$ /NDF:438019.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 53.353 $\pm$ 0.015  $\chi^2$ /NDF: 764400.0/16

asym\_sam\_15\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -136.349+/-259.979  $\chi^2/\text{NDF}$ : 10.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -532.658+/-222.539  $\chi^2/\text{NDF}$ : 3.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

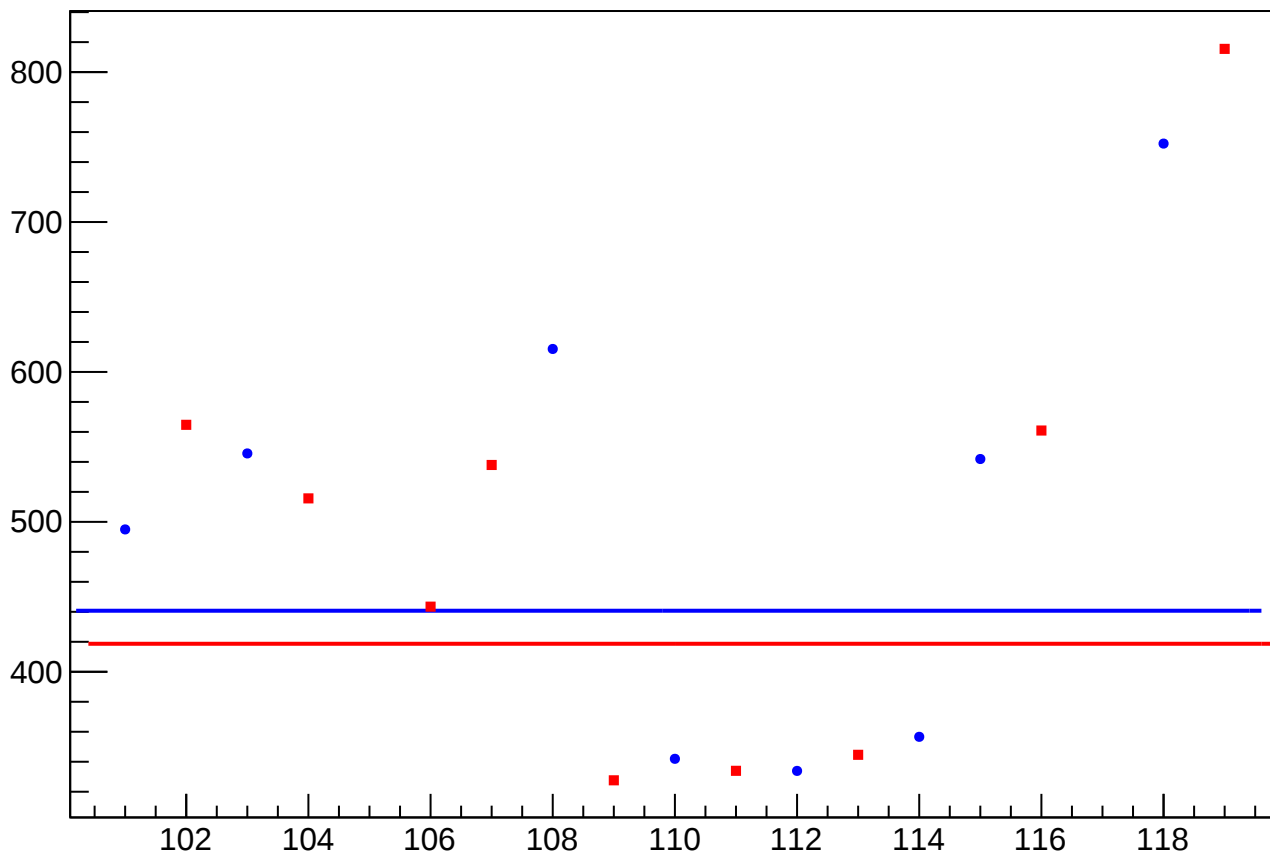
Right: -365.070+/-169.061  $\chi^2/\text{NDF}$ : 15.5/16

In: -136.349+/-259.979  $\chi^2/\text{NDF}$ : 10.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -365.070+/-169.061  $\chi^2/\text{NDF}$ : 15.5/16

asym\_sam\_15\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 440.723+/-0.184  $\chi^2/\text{NDF}$ : 467255.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 418.688+/-0.157  $\chi^2/\text{NDF}$ : 594077.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

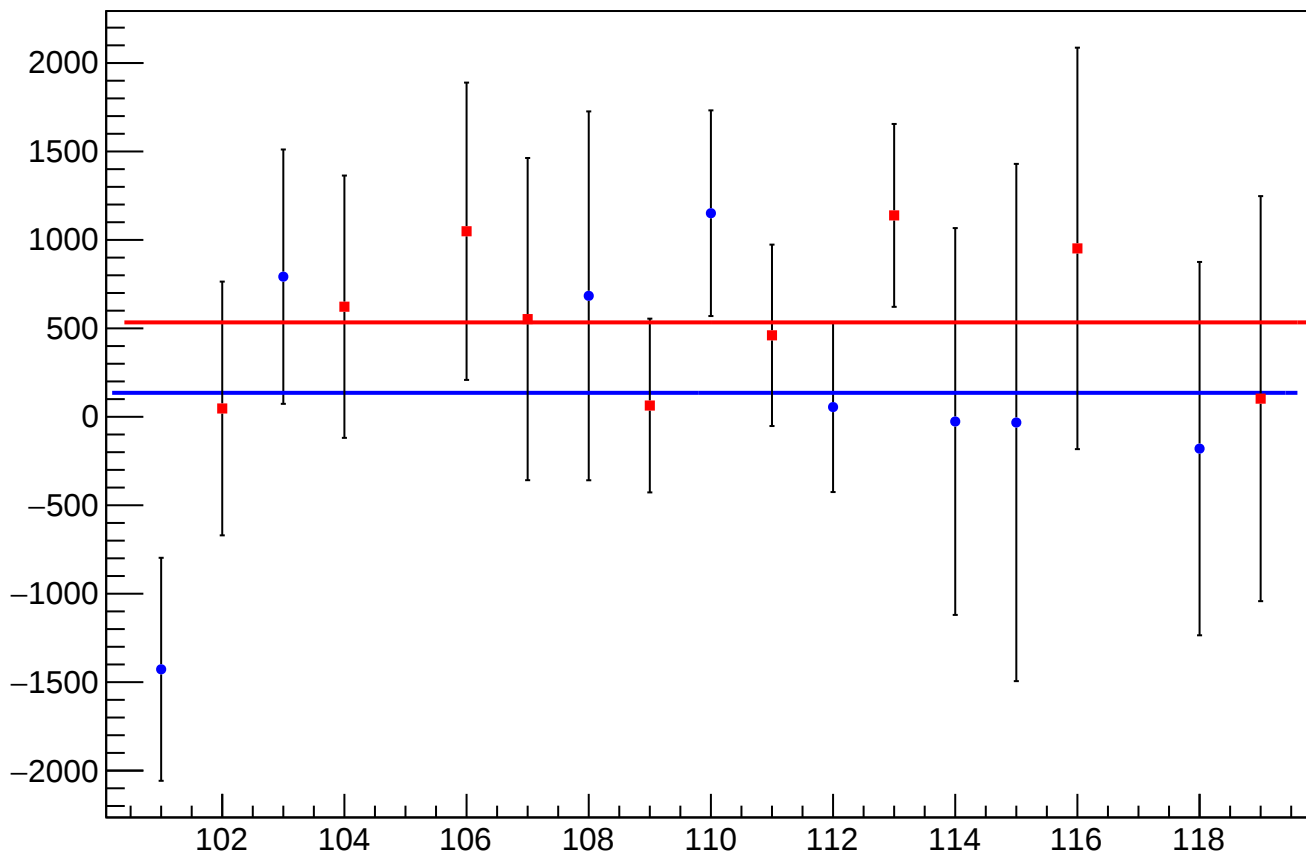
Right: 428.006+/-0.120  $\chi^2/\text{NDF}$ : 1069625.1/16

In: 440.723+/-0.184  $\chi^2/\text{NDF}$ : 467255.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 428.006+/-0.120  $\chi^2/\text{NDF}$ : 1069625.1/16

asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 135.593 $\pm$ 259.374  $\chi^2$ /NDF: 10.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 533.792 $\pm$ 225.781  $\chi^2$ /NDF: 3.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

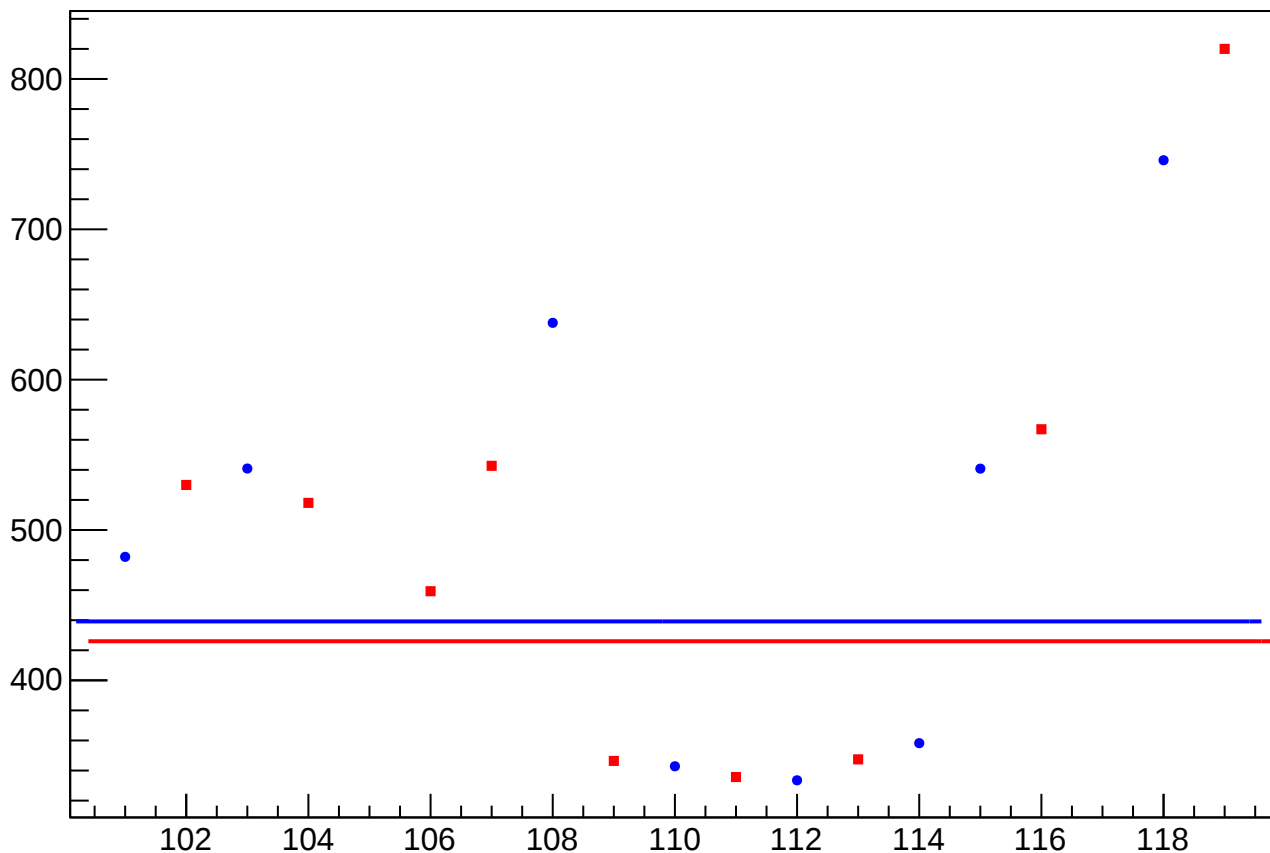
Right: 362.133 $\pm$ 170.298  $\chi^2$ /NDF: 15.2/16

In: 135.593 $\pm$ 259.374  $\chi^2$ /NDF:10.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 362.133 $\pm$ 170.298  $\chi^2$ /NDF: 15.2/16

asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 439.193+/-0.183  $\chi^2/\text{NDF}$ : 463203.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 425.998+/-0.160  $\chi^2/\text{NDF}$ : 537372.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

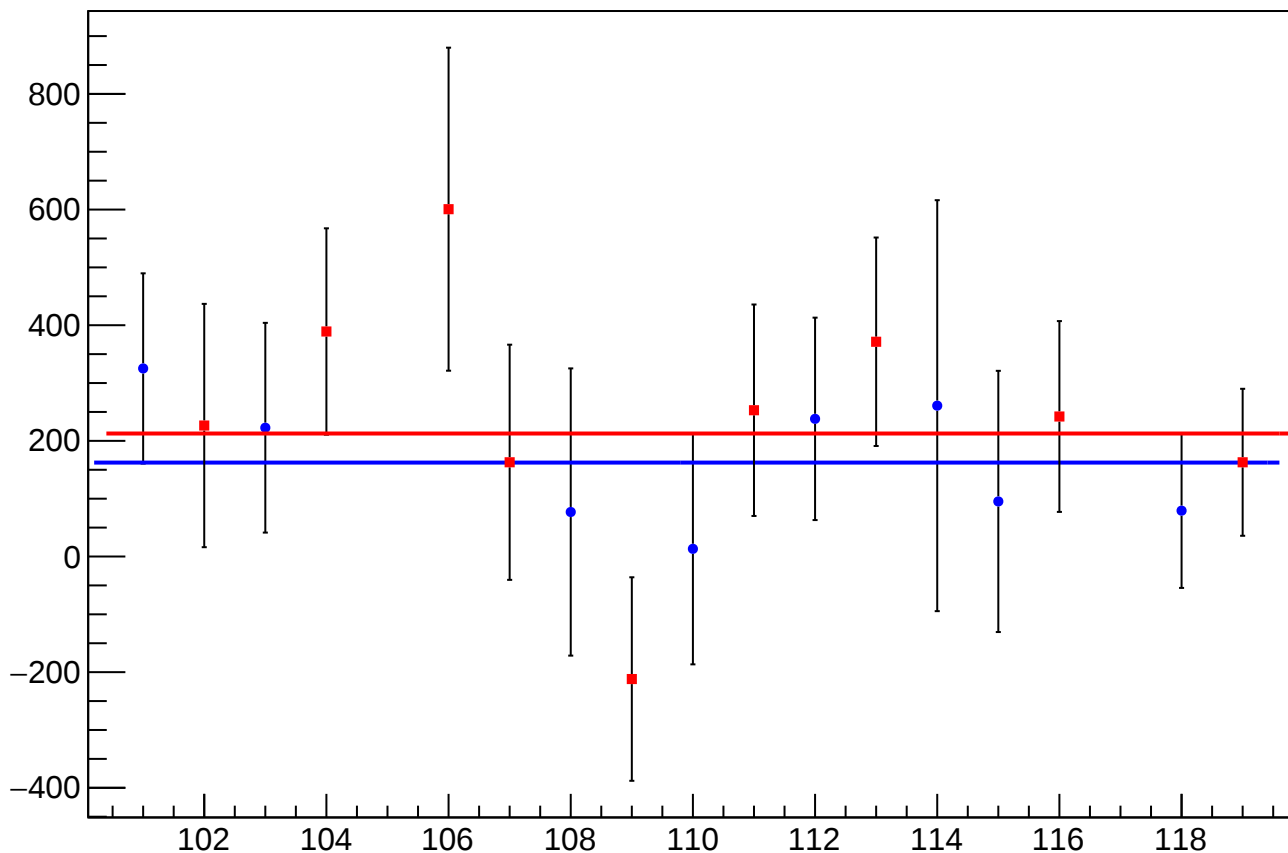
Right: 431.686+/-0.120  $\chi^2/\text{NDF}$ : 1003520.4/16

In: 439.193+/-0.183  $\chi^2/\text{NDF}$ : 463203.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 431.686+/-0.120  $\chi^2/\text{NDF}$ : 1003520.4/16

dit\_asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 162.435 $\pm$ 66.695  $\chi^2$ /NDF: 2.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 212.711 $\pm$ 59.485  $\chi^2$ /NDF: 9.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

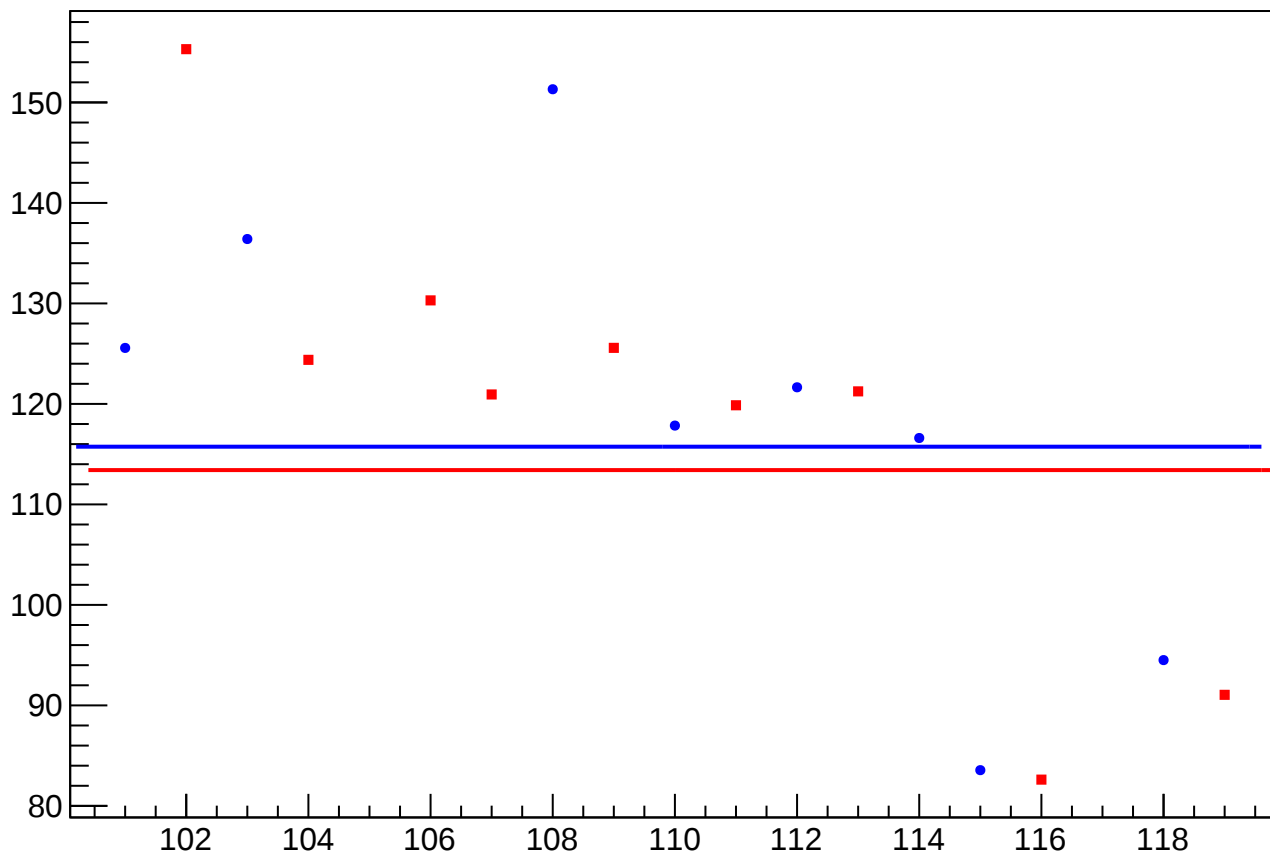
Right: 190.436 $\pm$ 44.393  $\chi^2$ /NDF: 12.6/16

In: 162.435 $\pm$ 66.695  $\chi^2$ /NDF:2.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 190.436 $\pm$ 44.393  $\chi^2$ /NDF: 12.6/16

dit\_asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 115.743+/-0.047  $\chi^2/\text{NDF}$ : 167786.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 113.415+/-0.042  $\chi^2/\text{NDF}$ : 244315.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

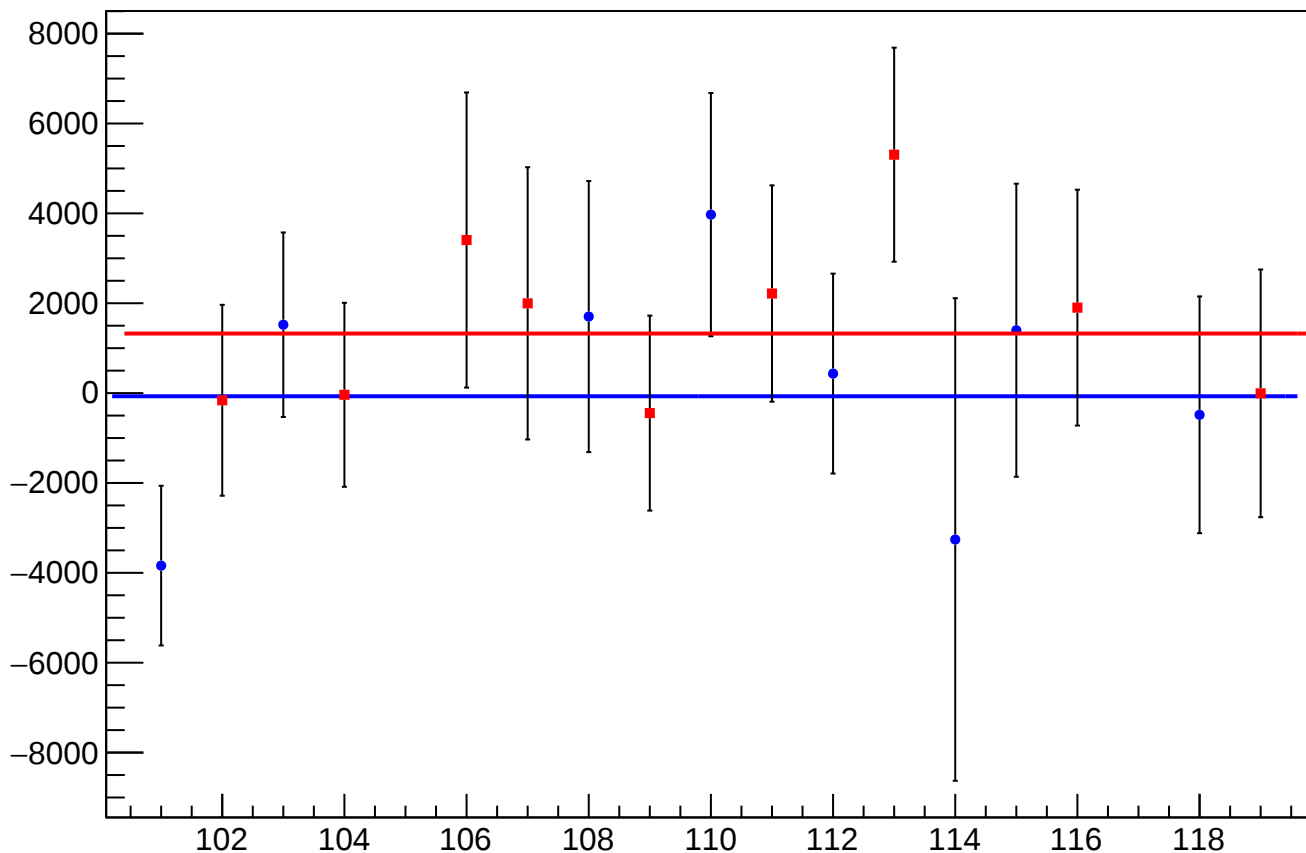
Right: 114.446+/-0.031  $\chi^2/\text{NDF}$ : 413459.0/16

In: 115.743+/-0.047  $\chi^2/\text{NDF}$ : 167786.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 114.446+/-0.031  $\chi^2/\text{NDF}$ : 413459.0/16

asym\_sam\_24\_68\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -70.306+/-885.536  $\chi^2/\text{NDF}$ : 8.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1325.453+/-816.572  $\chi^2/\text{NDF}$ : 5.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

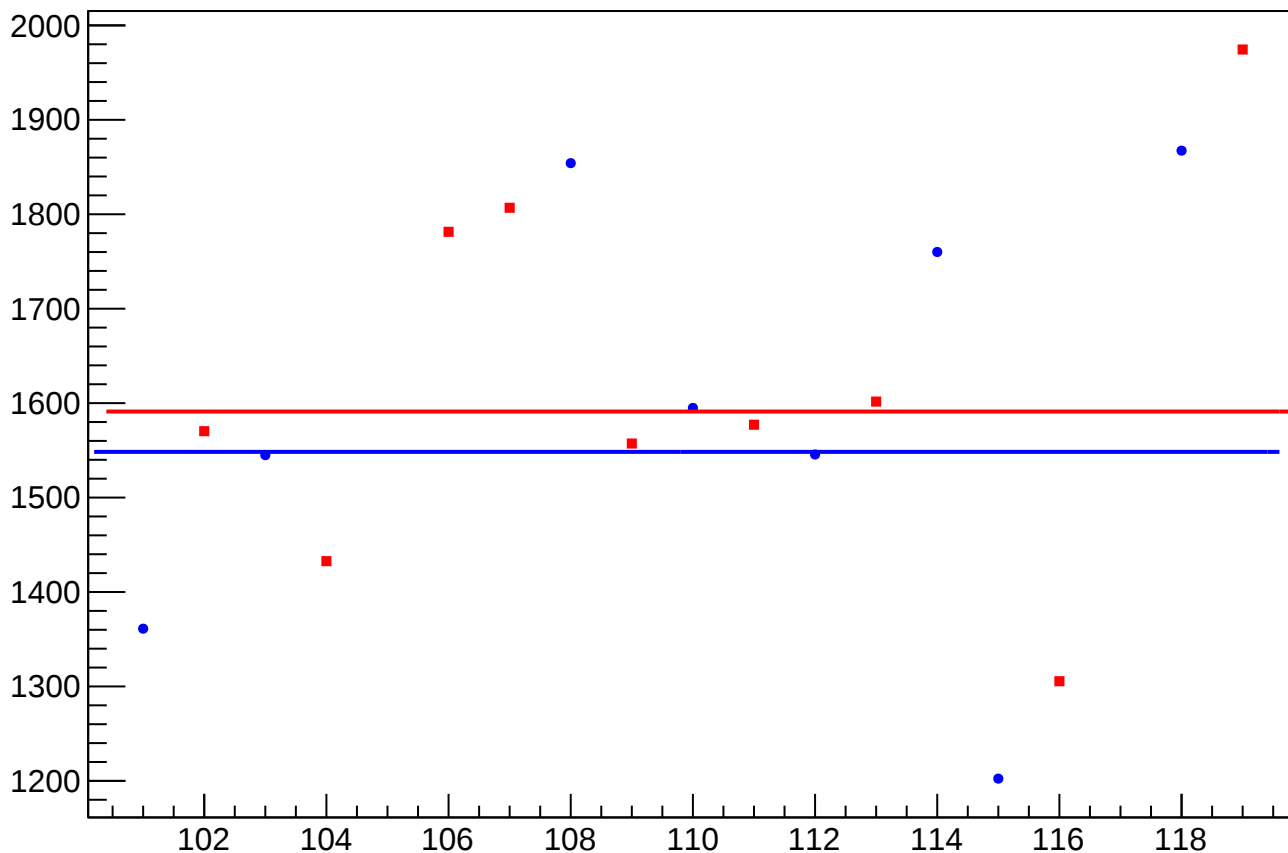
Right: 684.032+/-600.306  $\chi^2/\text{NDF}$ : 14.9/16

In: -70.306+/-885.536  $\chi^2/\text{NDF}$ : 8.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 684.032+/-600.306  $\chi^2/\text{NDF}$ : 14.9/16

asym\_sam\_24\_68\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1548.390+/-0.626  $\chi^2/\text{NDF}$ : 98284.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1591.117+/-0.577  $\chi^2/\text{NDF}$ : 91977.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

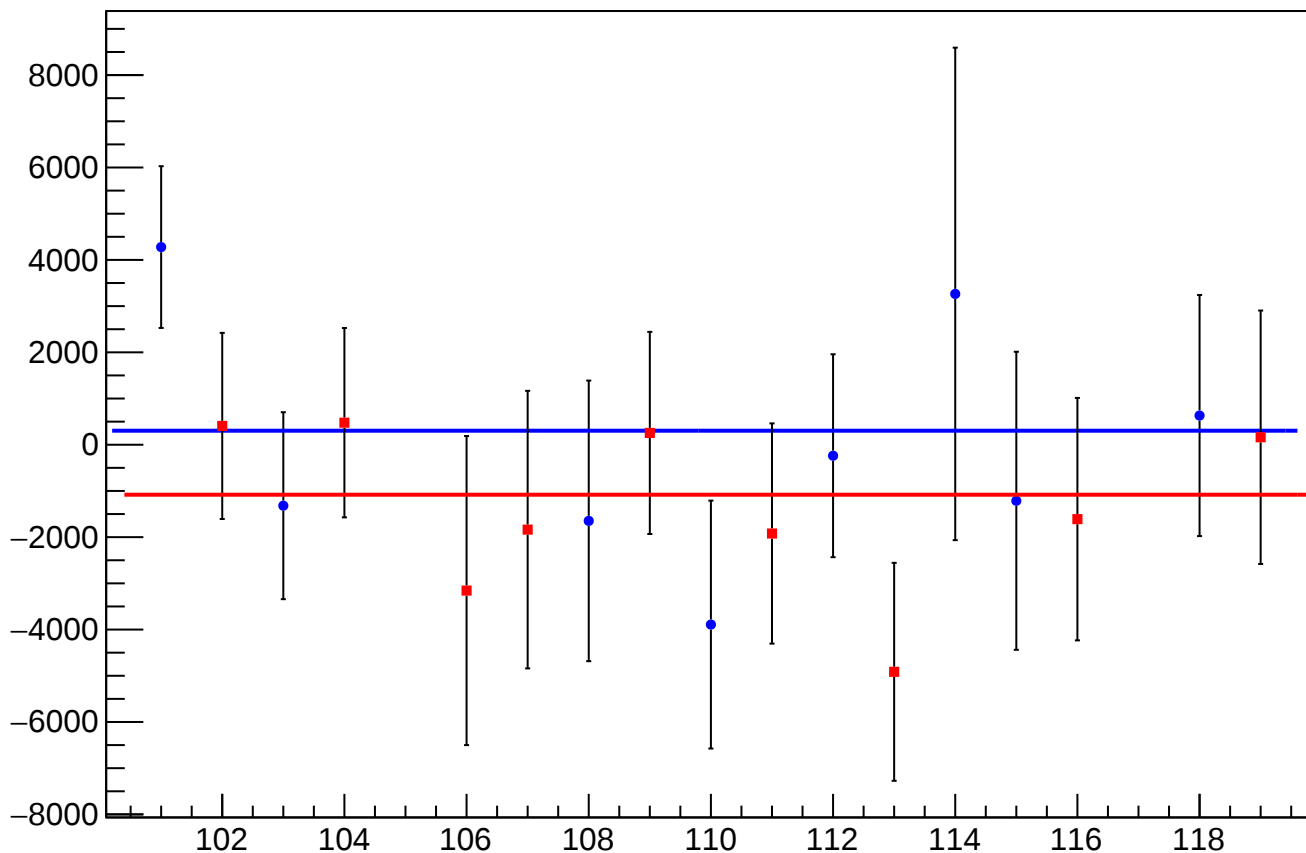
Right: 1571.482+/-0.424  $\chi^2/\text{NDF}$ : 192778.0/16

In: 1548.390+/-0.626  $\chi^2/\text{NDF}$ : 98284.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1571.482+/-0.424  $\chi^2/\text{NDF}$ : 192778.0/16

asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 303.794+/-875.747  $\chi^2/\text{NDF}$ : 9.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1081.546+/-808.998  $\chi^2/\text{NDF}$ : 5.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

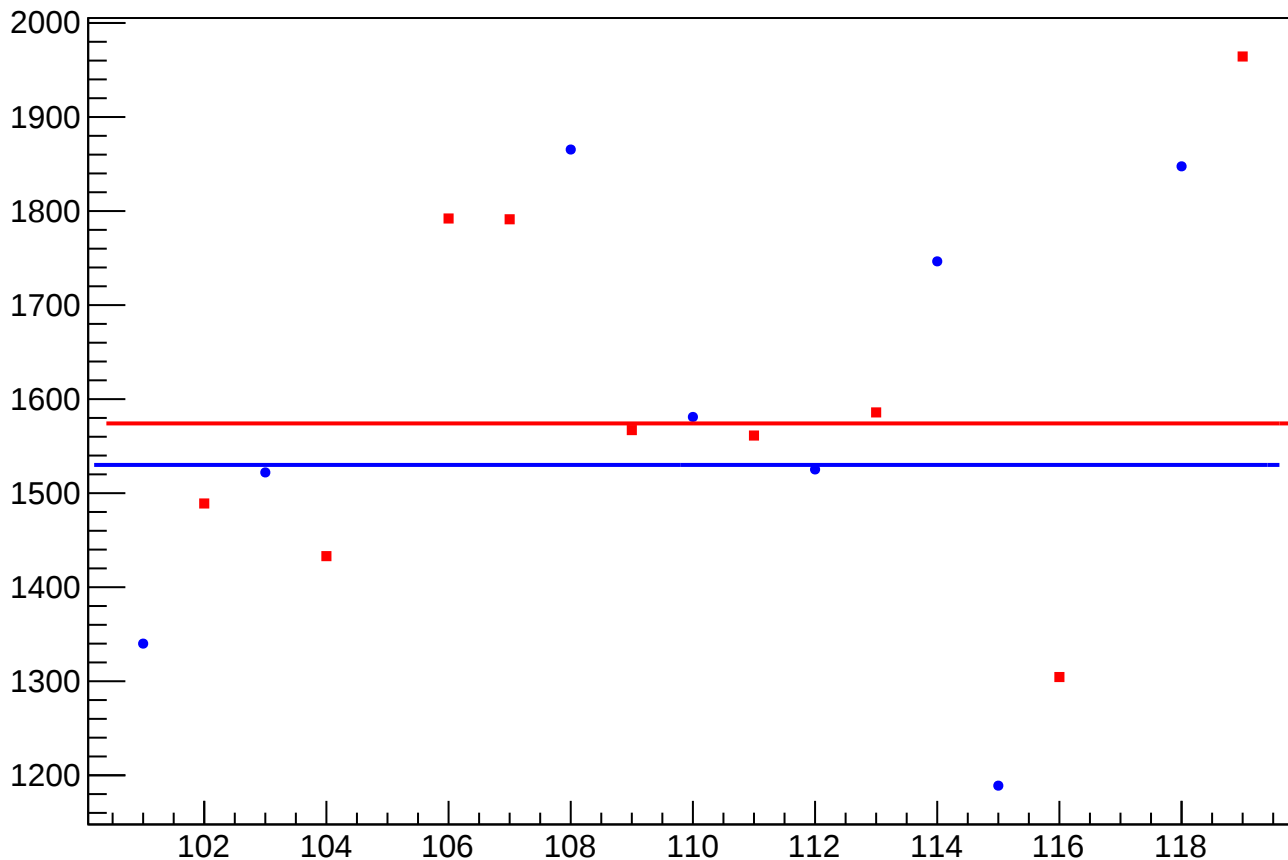
Right: -443.677+/-594.246  $\chi^2/\text{NDF}$ : 15.6/16

In: 303.794+/-875.747  $\chi^2/\text{NDF}$ : 9.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -443.677+/-594.246  $\chi^2/\text{NDF}$ : 15.6/16

# asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 1530.035+/-0.619  $\chi^2/\text{NDF}$ : 104031.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1574.168+/-0.572  $\chi^2/\text{NDF}$ : 93751.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

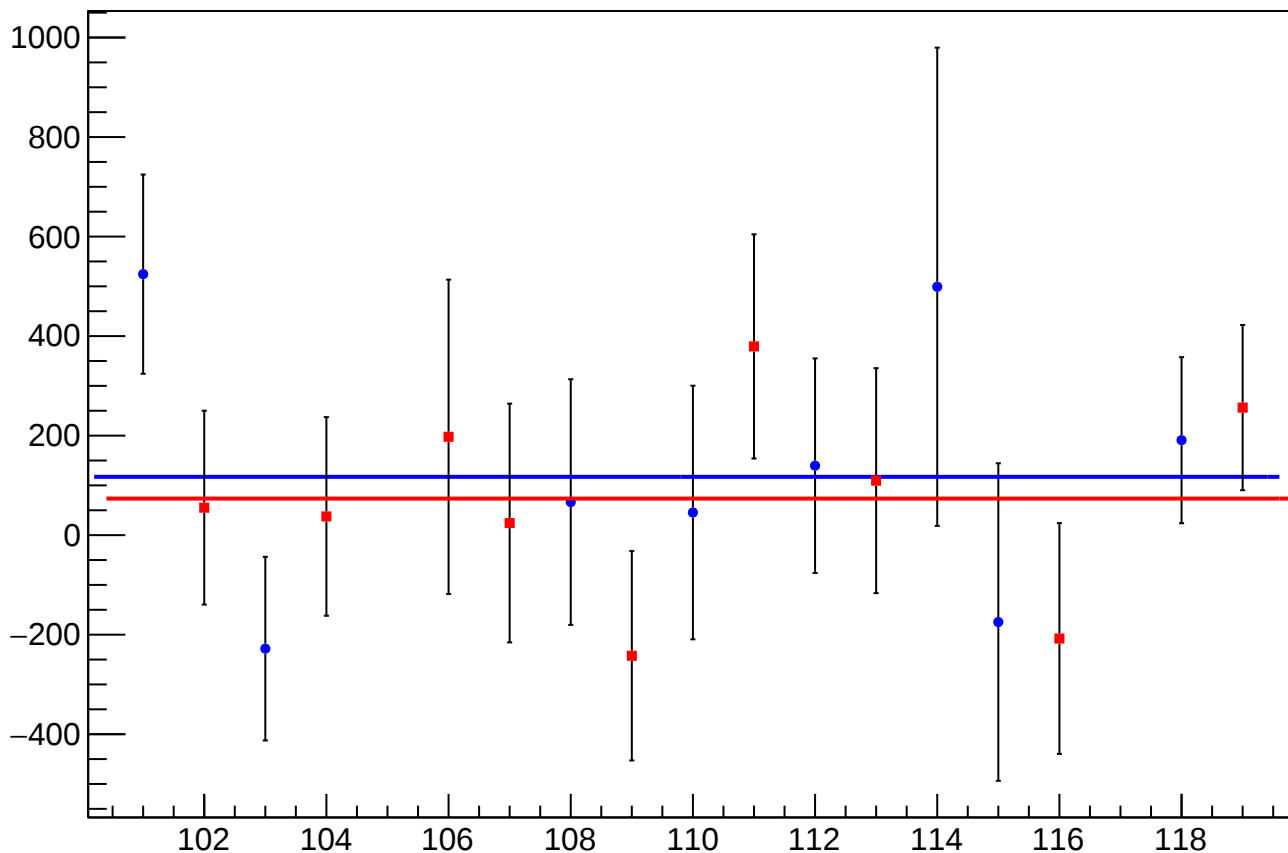
Right: 1553.847+/-0.420  $\chi^2/\text{NDF}$ : 200523.6/16

In: 1530.035+/-0.619  $\chi^2/\text{NDF}$ : 104031.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1553.847+/-0.420  $\chi^2/\text{NDF}$ : 200523.6/16

dit\_asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 117.202 $\pm$ 79.626  $\chi^2$ /NDF: 9.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 73.529 $\pm$ 71.502  $\chi^2$ /NDF: 7.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

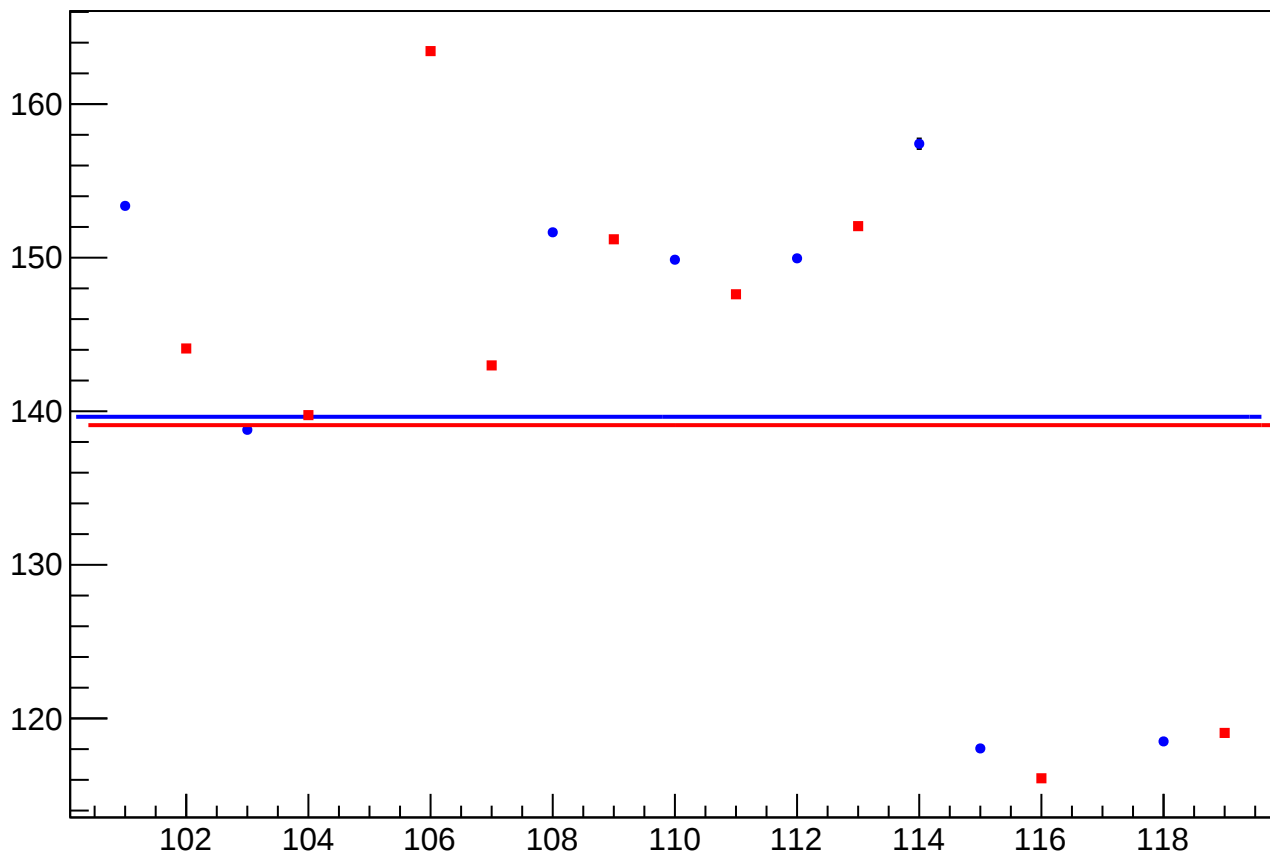
Right: 93.025 $\pm$ 53.201  $\chi^2$ /NDF: 16.6/16

In: 117.202 $\pm$ 79.626  $\chi^2$ /NDF:9.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 93.025 $\pm$ 53.201  $\chi^2$ /NDF: 16.6/16

dit\_asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 139.640 $\pm$ 0.056  $\chi^2$ /NDF: 65988.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 139.095 $\pm$ 0.051  $\chi^2$ /NDF: 78612.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

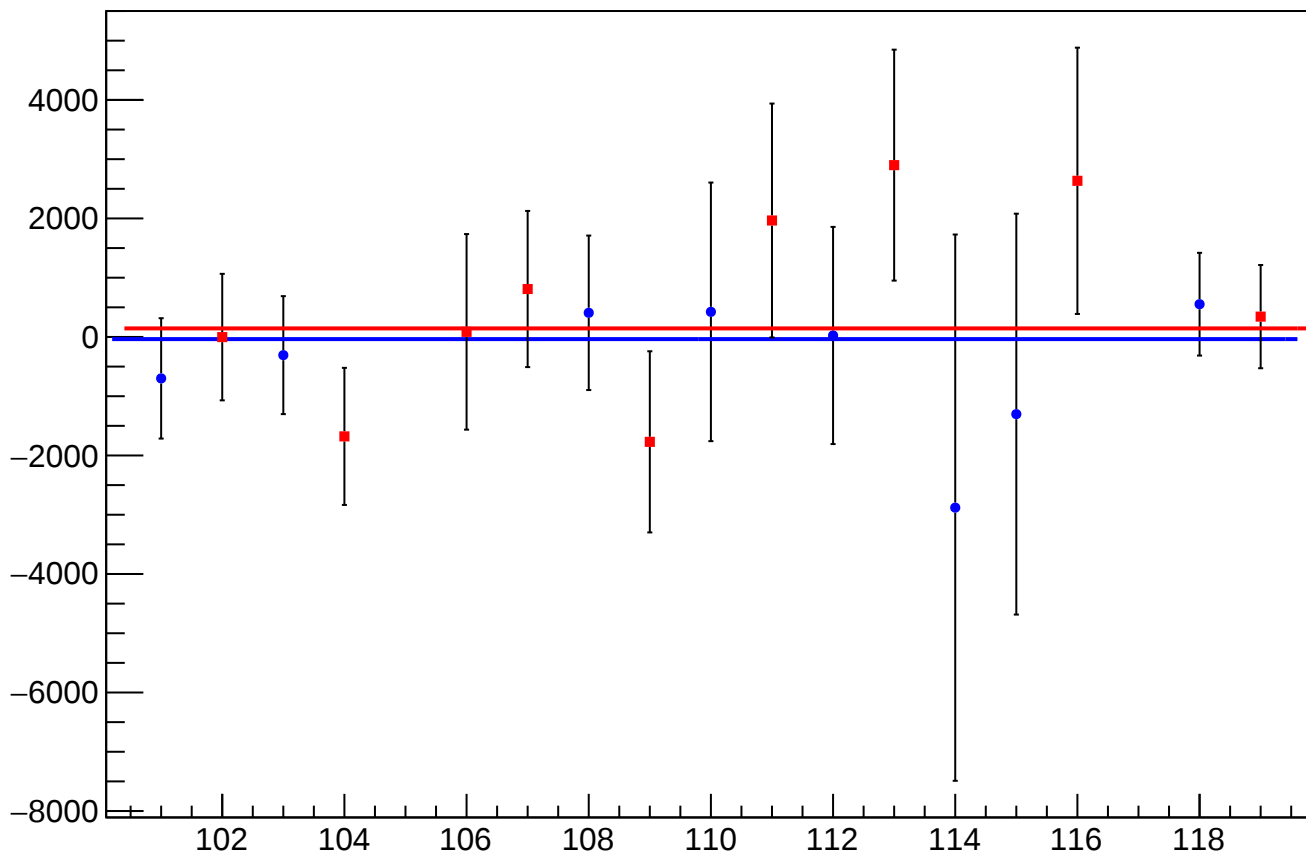
Right: 139.339 $\pm$ 0.038  $\chi^2$ /NDF: 144653.0/16

In: 139.640 $\pm$ 0.056  $\chi^2$ /NDF:65988.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 139.339 $\pm$ 0.038  $\chi^2$ /NDF: 144653.0/16

asym\_sam\_26\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In:  $-36.360 \pm 469.315$   $\chi^2/\text{NDF}$ : 1.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $144.300 \pm 445.767$   $\chi^2/\text{NDF}$ : 8.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

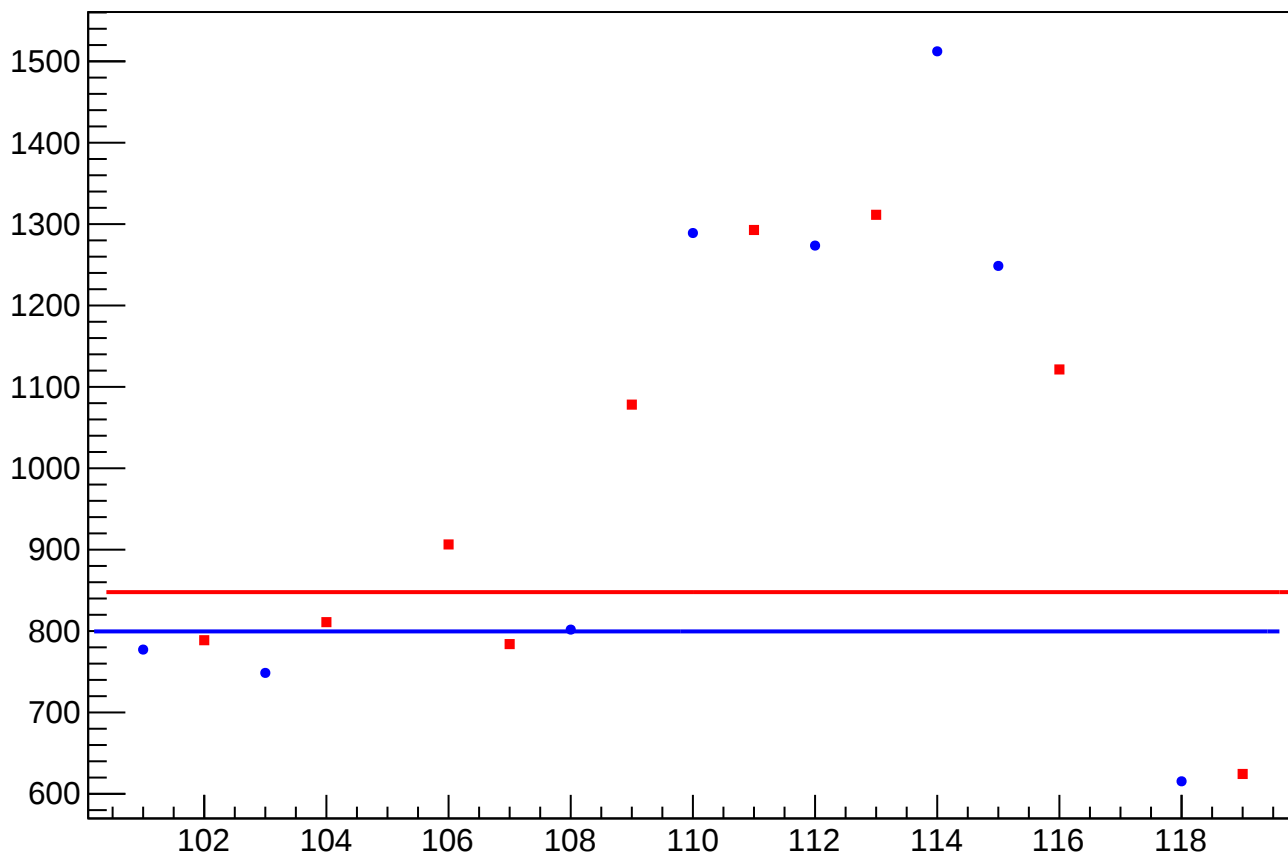
Right:  $58.616 \pm 323.209$   $\chi^2/\text{NDF}$ : 10.2/16

In:  $-36.360 \pm 469.315$   $\chi^2/\text{NDF}$ : 1.6/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $58.616 \pm 323.209$   $\chi^2/\text{NDF}$ : 10.2/16

asym\_sam\_26\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 799.575 $\pm$ 0.332  $\chi^2$ /NDF: 414046.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 847.839 $\pm$ 0.315  $\chi^2$ /NDF: 436923.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

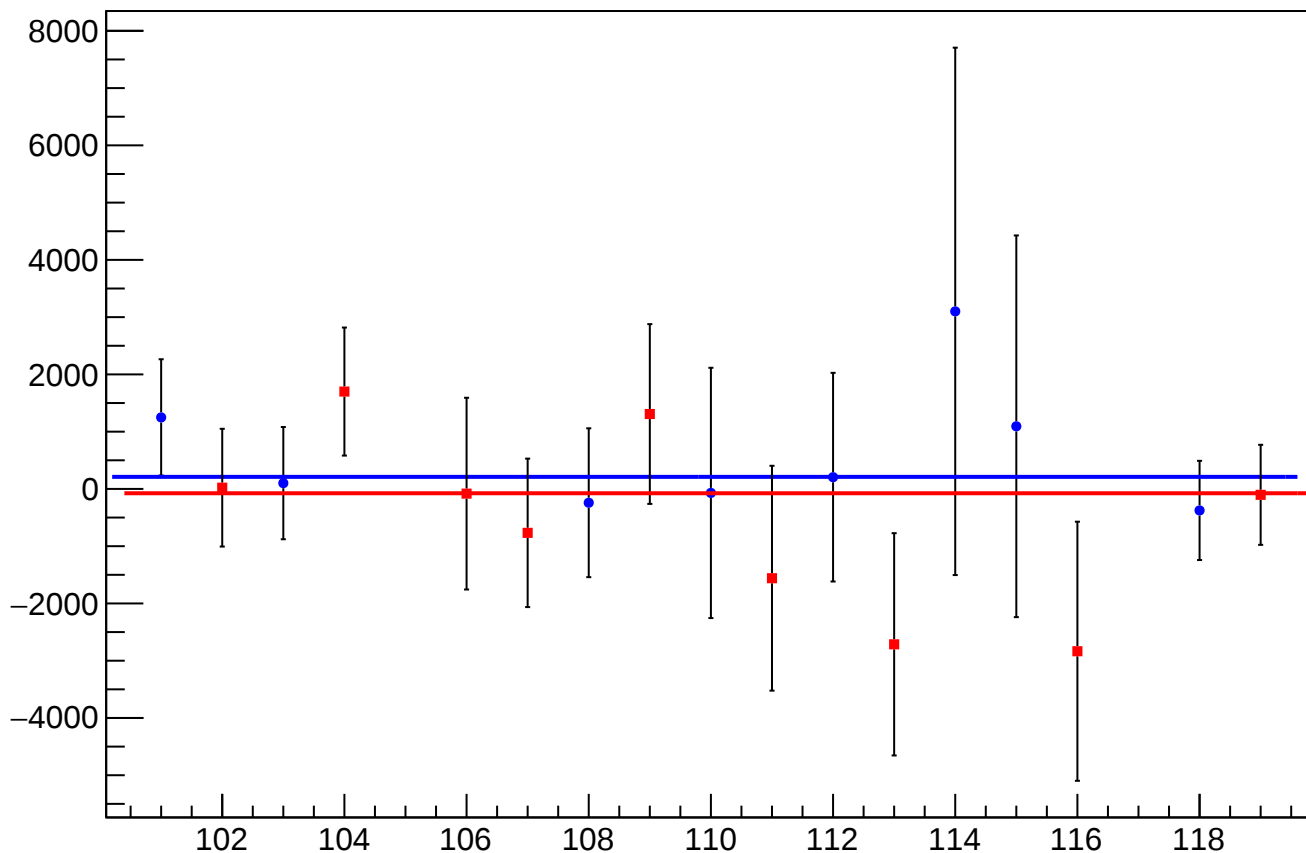
Right: 824.948 $\pm$ 0.229  $\chi^2$ /NDF: 862089.6/16

In: 799.575 $\pm$ 0.332  $\chi^2$ /NDF:414046.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 824.948 $\pm$ 0.229  $\chi^2$ /NDF: 862089.6/16

# asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 210.710+/-467.106  $\chi^2/\text{NDF}$ : 2.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -75.565+/-441.349  $\chi^2/\text{NDF}$ : 7.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

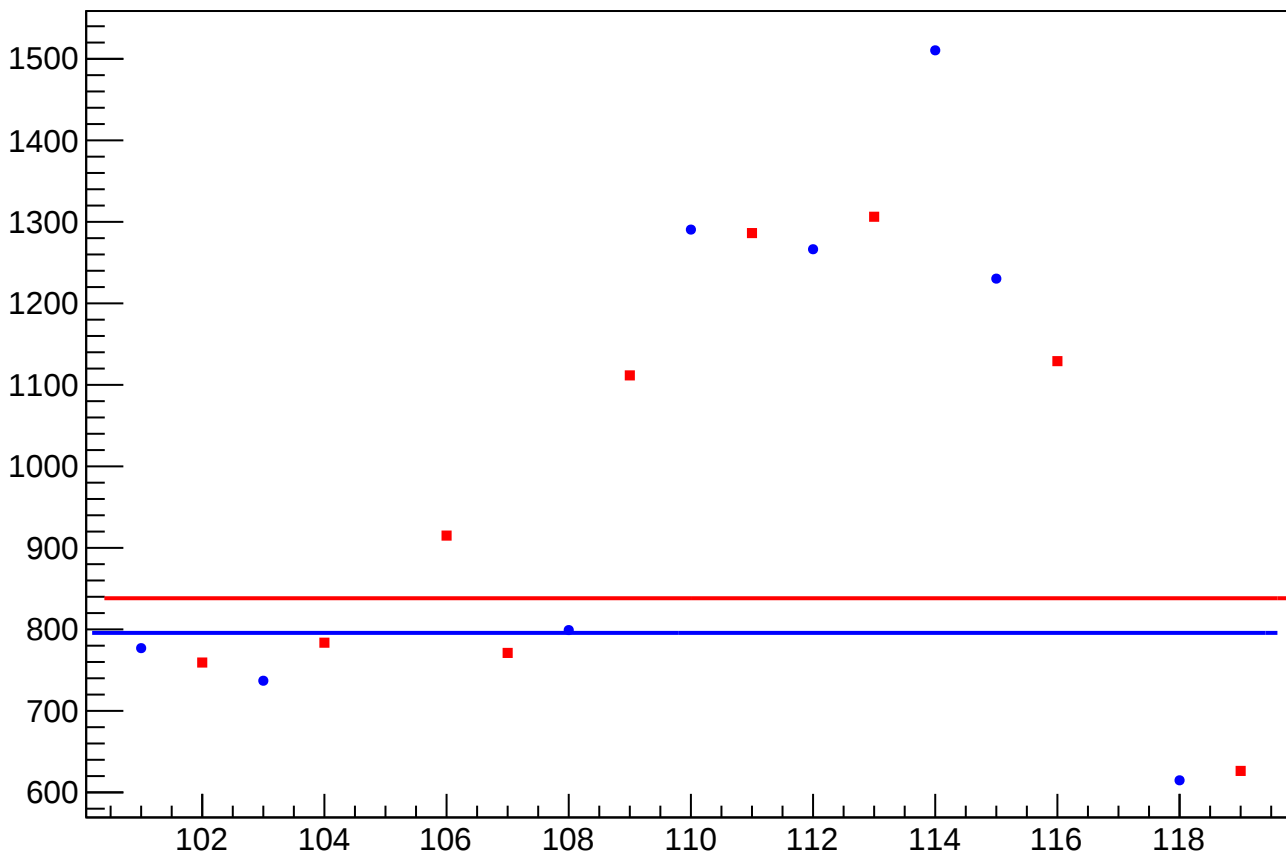
Right: 59.462+/-320.800  $\chi^2/\text{NDF}$ : 9.8/16

In: 210.710+/-467.106  $\chi^2/\text{NDF}$ : 2.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 59.462+/-320.800  $\chi^2/\text{NDF}$ : 9.8/16

asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 795.698 $\pm$ 0.330  $\chi^2$ /NDF: 413269.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 838.205 $\pm$ 0.312  $\chi^2$ /NDF: 457925.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

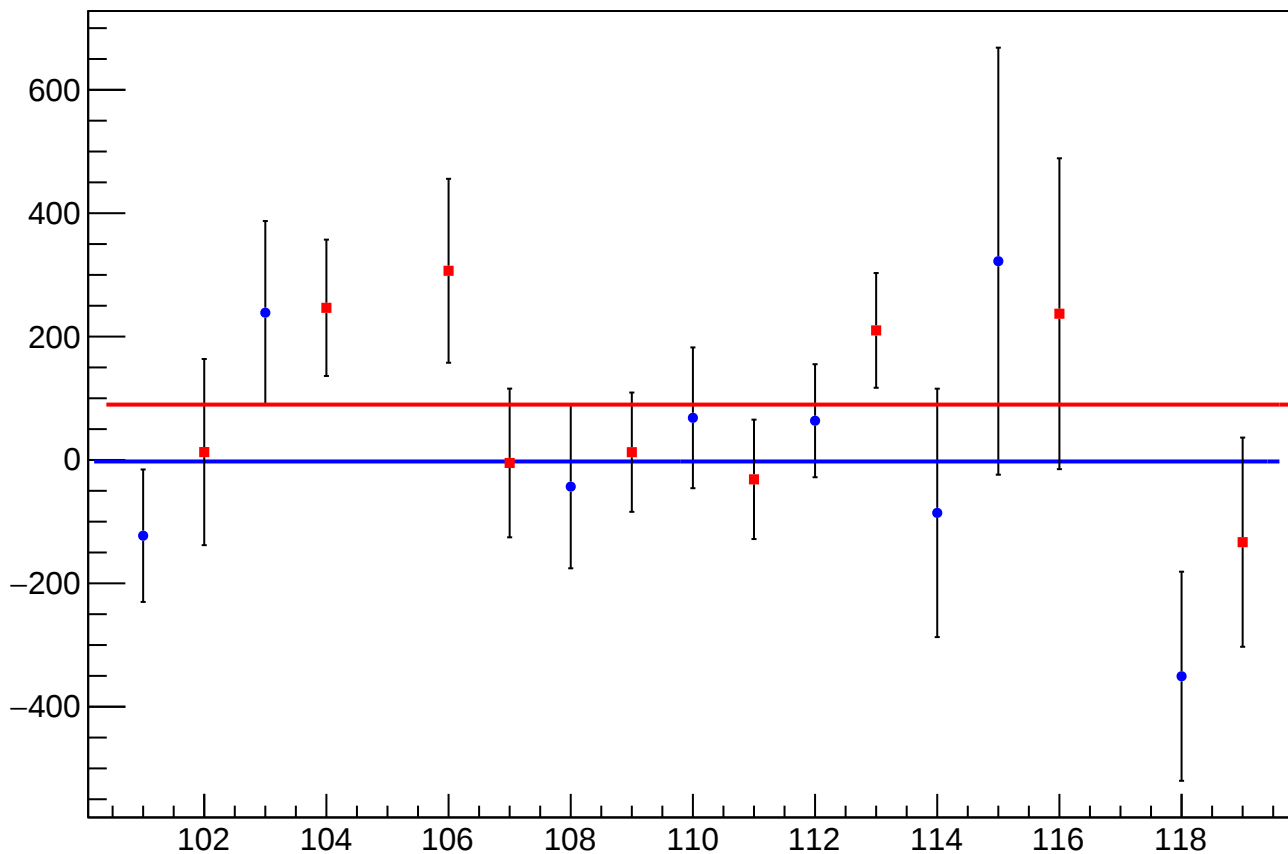
Right: 818.156 $\pm$ 0.227  $\chi^2$ /NDF: 879945.1/16

In: 795.698 $\pm$ 0.330  $\chi^2$ /NDF:413269.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 818.156 $\pm$ 0.227  $\chi^2$ /NDF: 879945.1/16

dit\_asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: -2.445+/-46.992  $\chi^2/\text{NDF}$ : 10.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 89.740+/-40.174  $\chi^2/\text{NDF}$ : 11.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

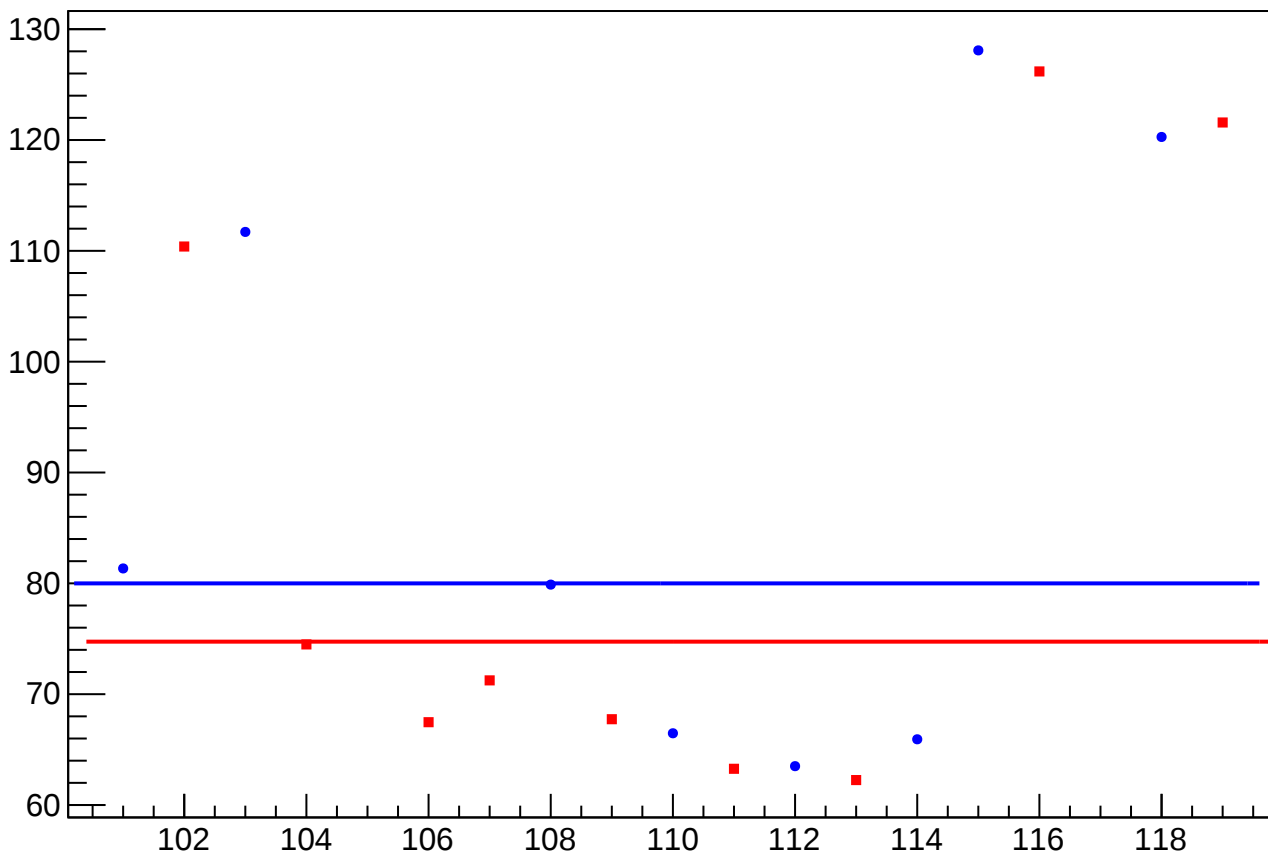
Right: 50.814+/-30.536  $\chi^2/\text{NDF}$ : 23.3/16

In: -2.445+/-46.992  $\chi^2/\text{NDF}$ : 10.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 50.814+/-30.536  $\chi^2/\text{NDF}$ : 23.3/16

dit\_asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 79.997 $\pm$ 0.033  $\chi^2$ /NDF: 345651.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 74.739 $\pm$ 0.028  $\chi^2$ /NDF: 428773.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

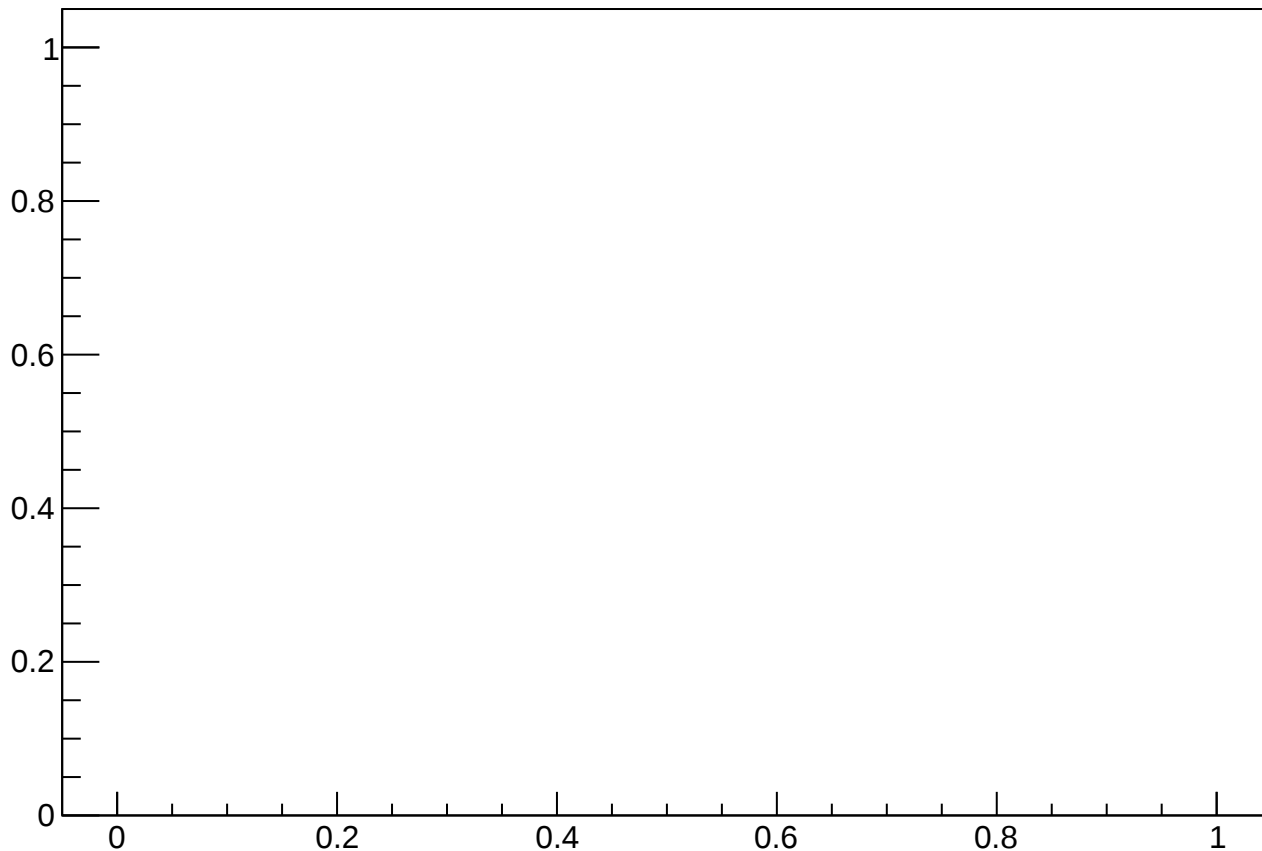
Right: 76.959 $\pm$ 0.022  $\chi^2$ /NDF: 788886.8/16

In: 79.997 $\pm$ 0.033  $\chi^2$ /NDF:345651.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 76.959 $\pm$ 0.022  $\chi^2$ /NDF: 788886.8/16

asym\_sam\_1548\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

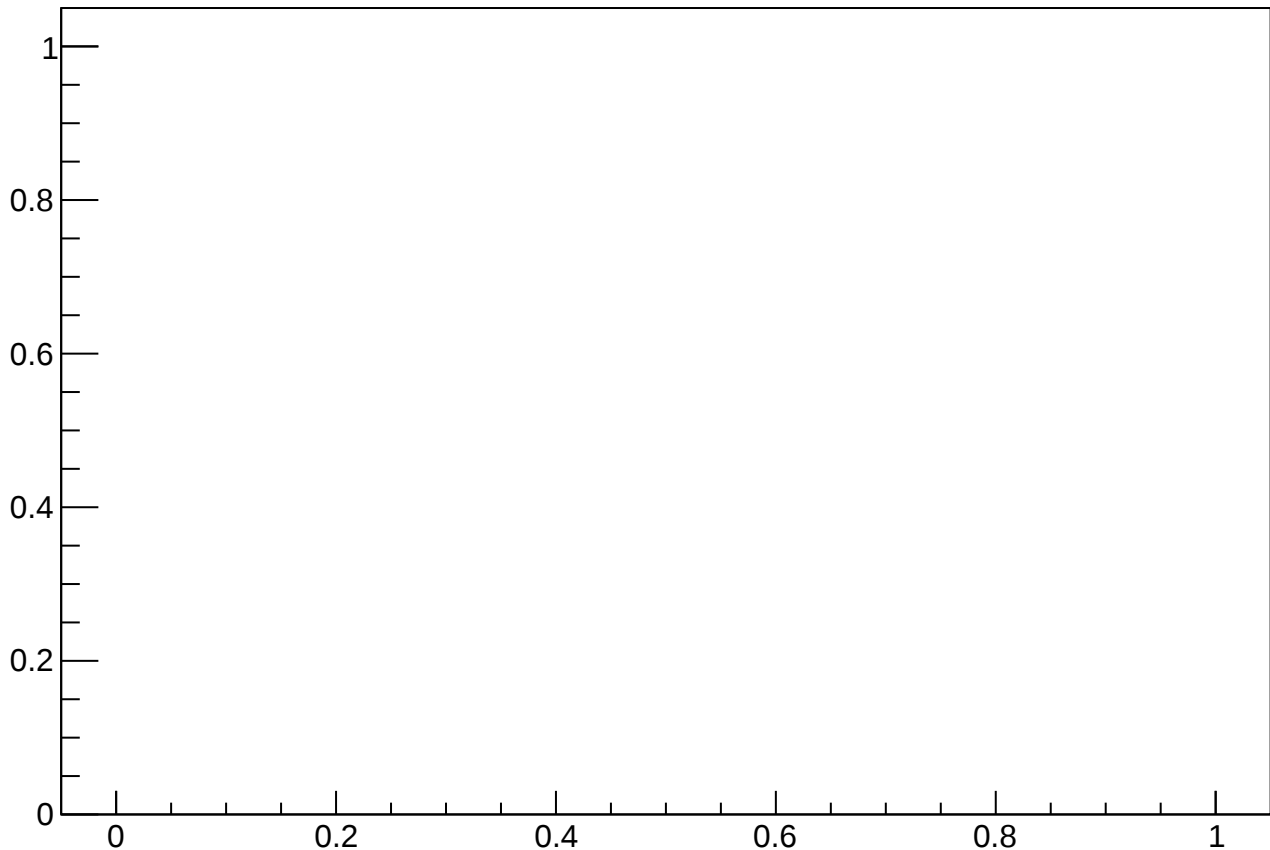
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

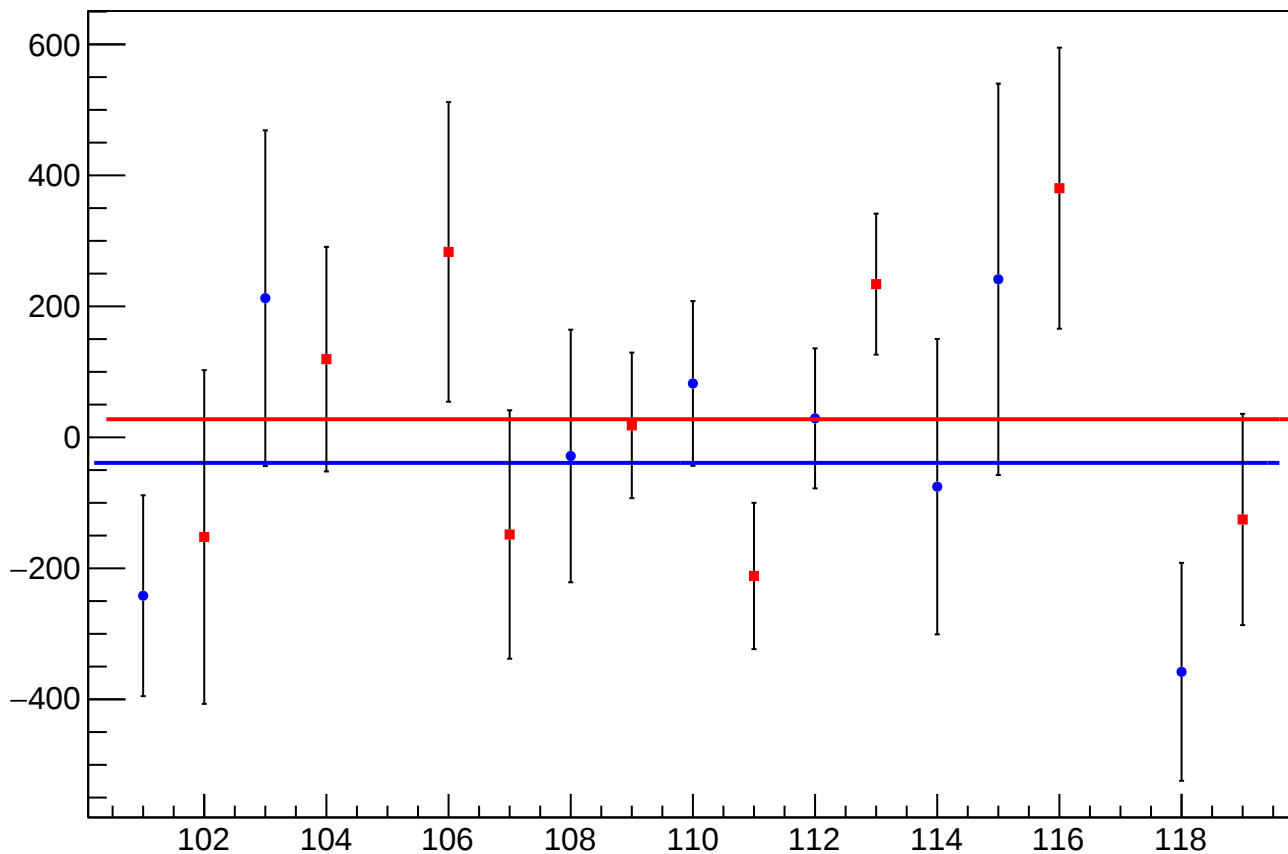
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In:  $-38.984 \pm 57.514$   $\chi^2/\text{NDF}$ : 8.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $27.654 \pm 49.757$   $\chi^2/\text{NDF}$ : 14.8/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

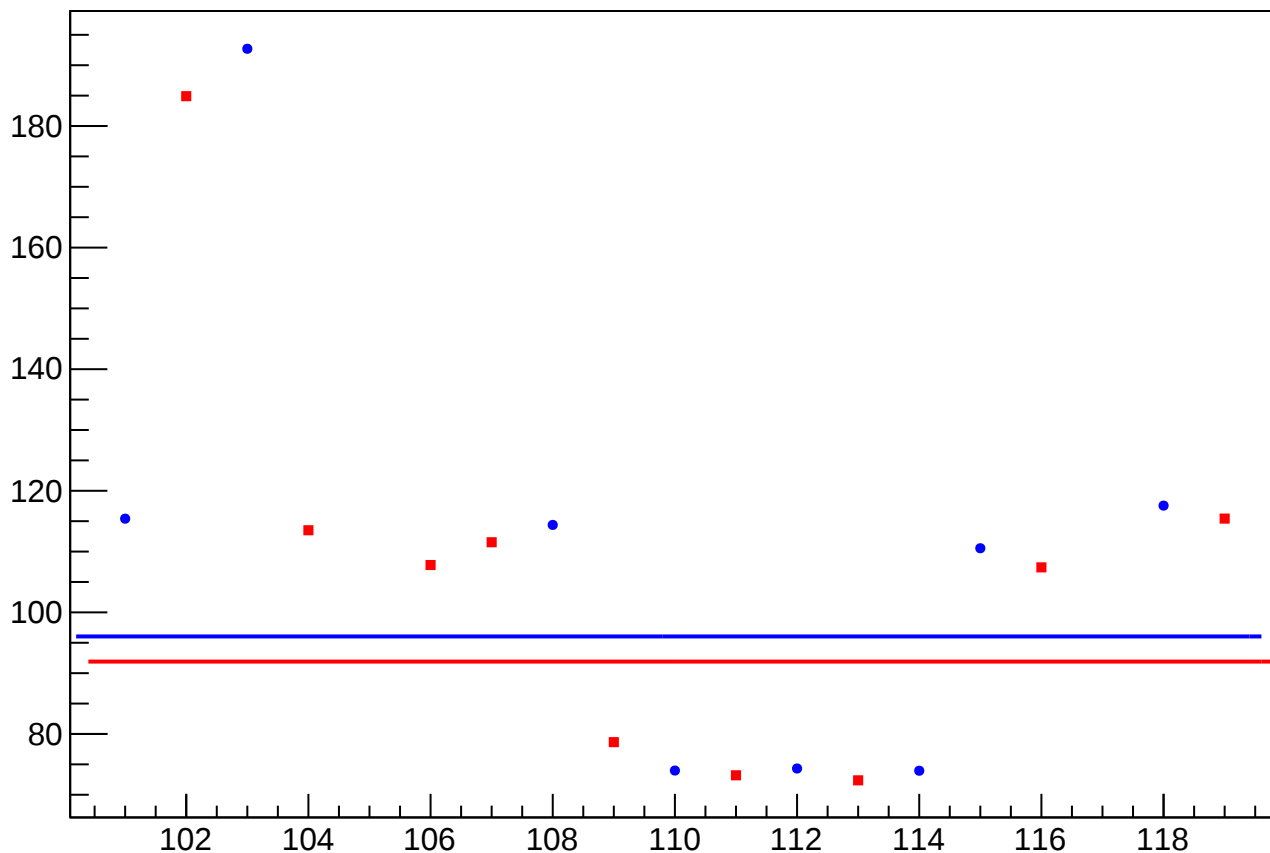
Right:  $-0.871 \pm 37.629$   $\chi^2/\text{NDF}$ : 24.2/16

In:  $-38.984 \pm 57.514$   $\chi^2/\text{NDF}$ : 8.6/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.871 \pm 37.629$   $\chi^2/\text{NDF}$ : 24.2/16

dit\_asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 96.041 $\pm$ 0.041  $\chi^2$ /NDF: 535935.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 91.905 $\pm$ 0.035  $\chi^2$ /NDF: 532673.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 93.676 $\pm$ 0.027  $\chi^2$ /NDF: 1074523.7/16

In: 96.041 $\pm$ 0.041  $\chi^2$ /NDF:535935.8/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 93.676 $\pm$ 0.027  $\chi^2$ /NDF: 1074523.7/16

asym\_sam\_3748\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

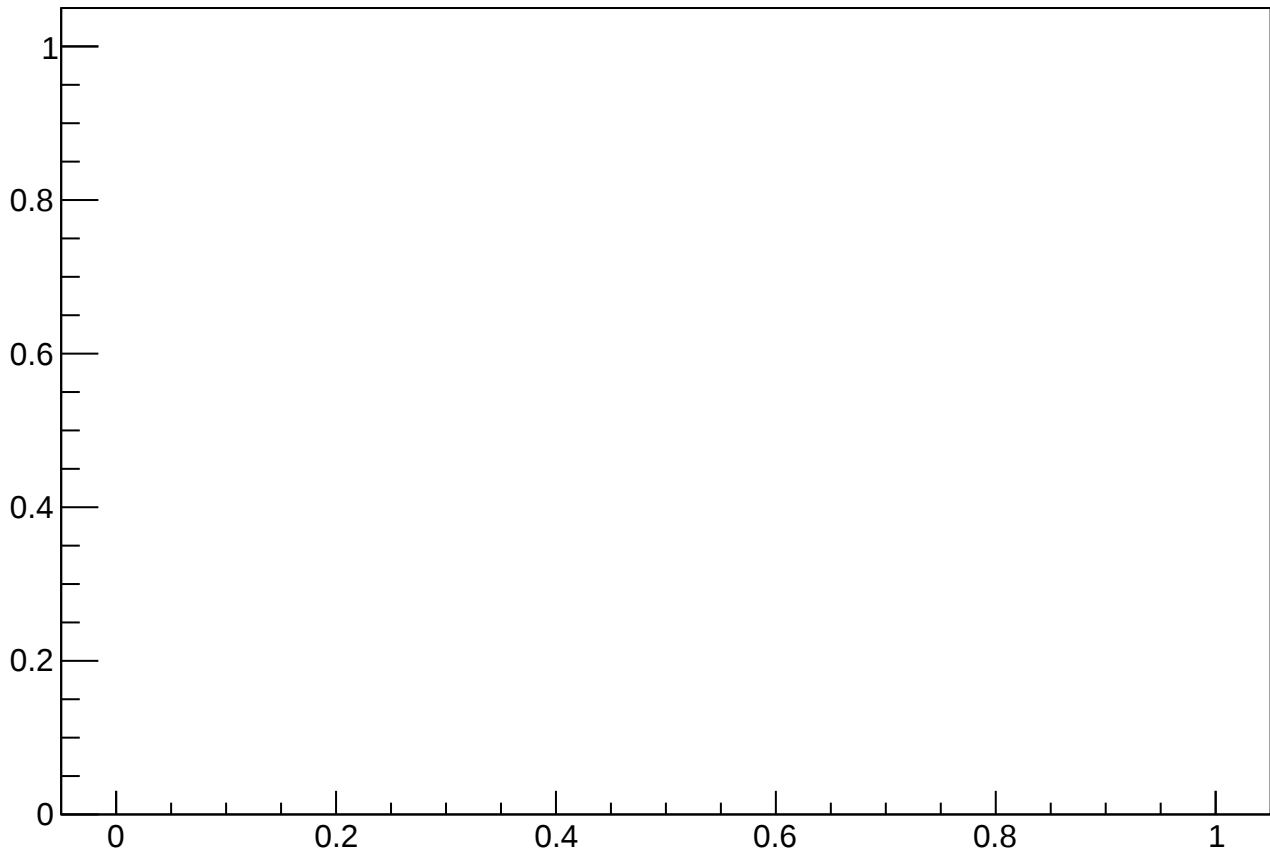
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

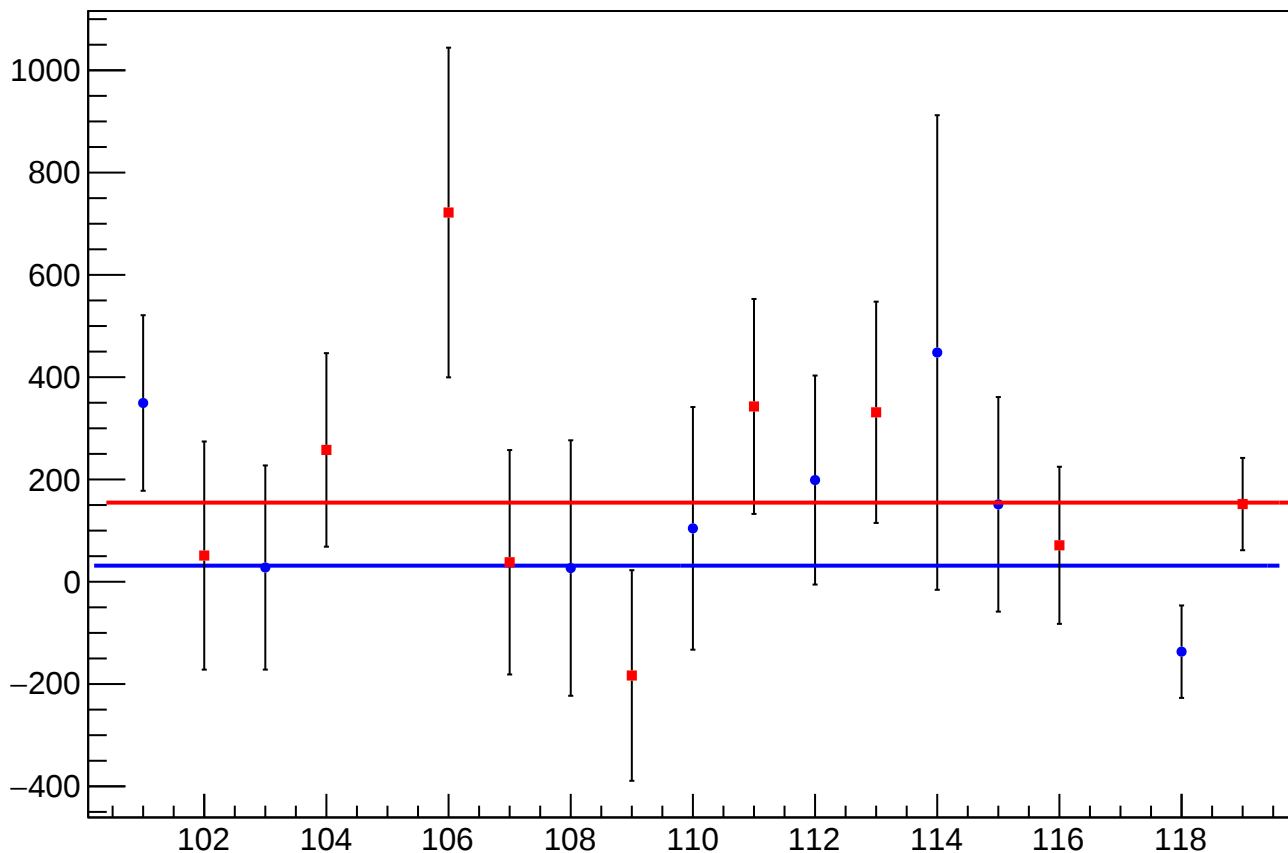
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 31.473+/-61.244  $\chi^2/\text{NDF}$ : 8.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 154.748+/-56.681  $\chi^2/\text{NDF}$ : 8.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

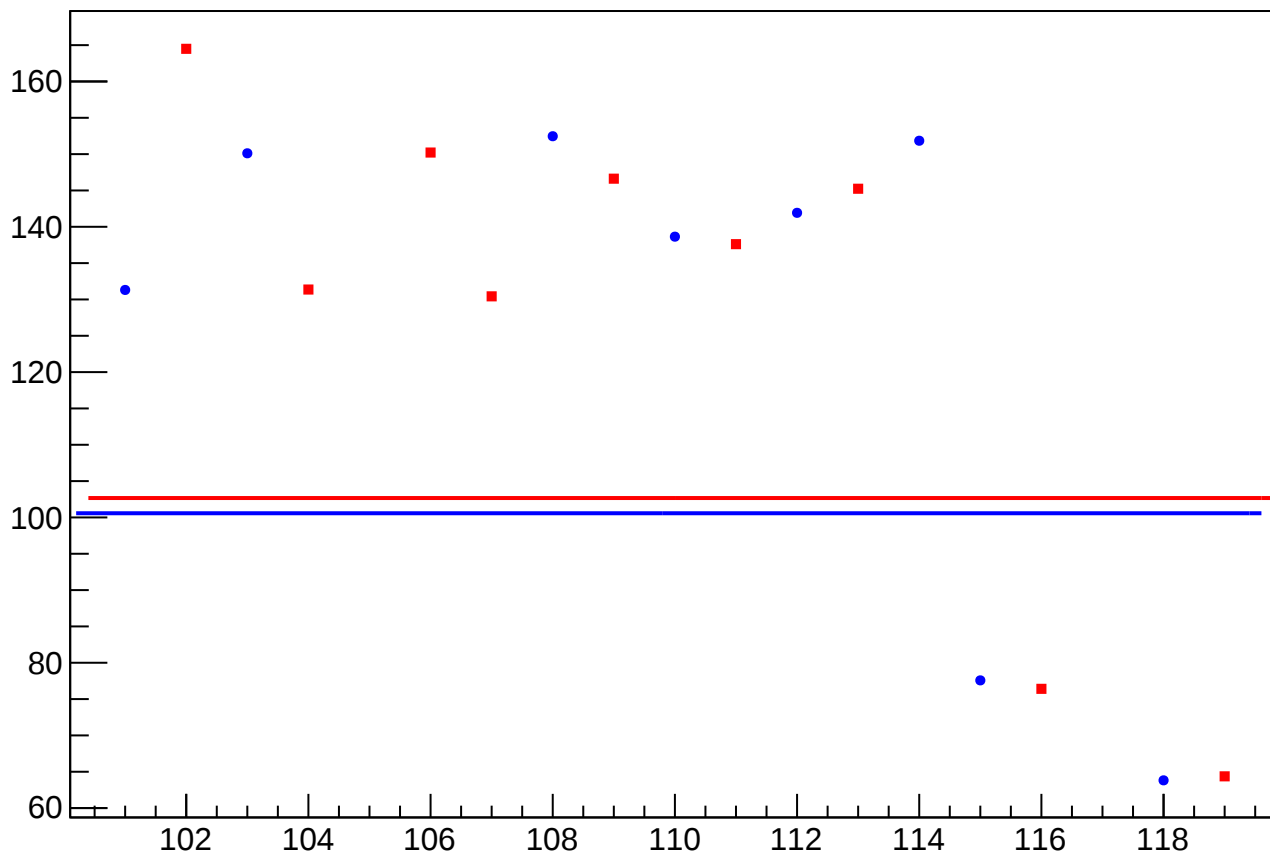
Right: 97.872+/-41.599  $\chi^2/\text{NDF}$ : 19.3/16

In: 31.473+/-61.244  $\chi^2/\text{NDF}$ : 8.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 97.872+/-41.599  $\chi^2/\text{NDF}$ : 19.3/16

dit\_asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 100.576+/-0.043  $\chi^2/\text{NDF}$ : 786392.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 102.670+/-0.040  $\chi^2/\text{NDF}$ : 917925.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 101.704+/-0.029  $\chi^2/\text{NDF}$ : 1705577.3/16

In: 100.576+/-0.043  $\chi^2/\text{NDF}$ : 786392.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 101.704+/-0.029  $\chi^2/\text{NDF}$ : 1705577.3/16

asym\_sam\_1526\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

asym\_sam\_1526\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

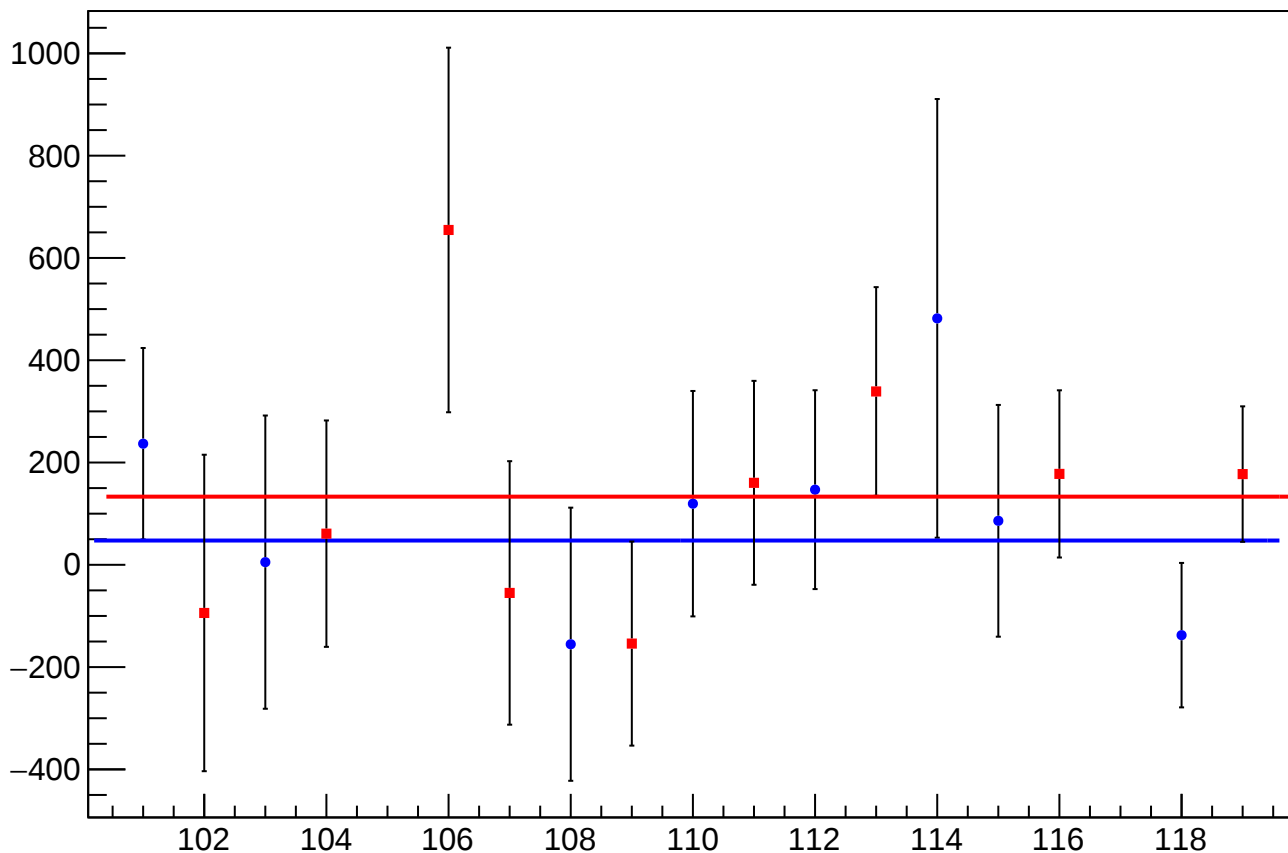
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 47.471+/-75.199  $\chi^2/\text{NDF}$ : 4.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 133.277+/-67.033  $\chi^2/\text{NDF}$ : 6.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

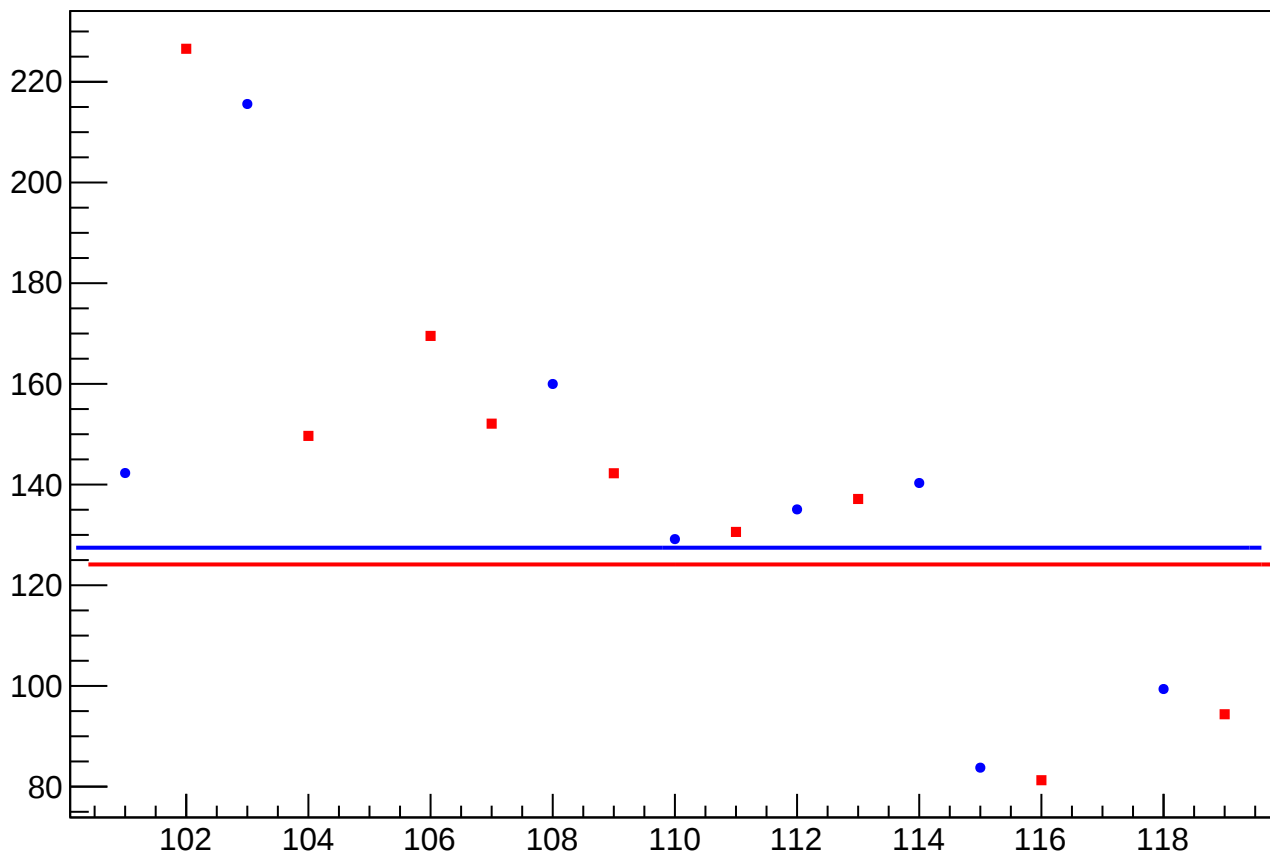
Right: 95.284+/-50.039  $\chi^2/\text{NDF}$ : 12.1/16

In: 47.471+/-75.199  $\chi^2/\text{NDF}$ : 4.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 95.284+/-50.039  $\chi^2/\text{NDF}$ : 12.1/16

dit\_asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 127.459 $\pm$ 0.053  $\chi^2$ /NDF: 389617.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 124.132 $\pm$ 0.047  $\chi^2$ /NDF: 566987.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 125.605 $\pm$ 0.035  $\chi^2$ /NDF: 958786.8/16

In: 127.459 $\pm$ 0.053  $\chi^2$ /NDF:389617.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 125.605 $\pm$ 0.035  $\chi^2$ /NDF: 958786.8/16

asym\_sam\_3726\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3726\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

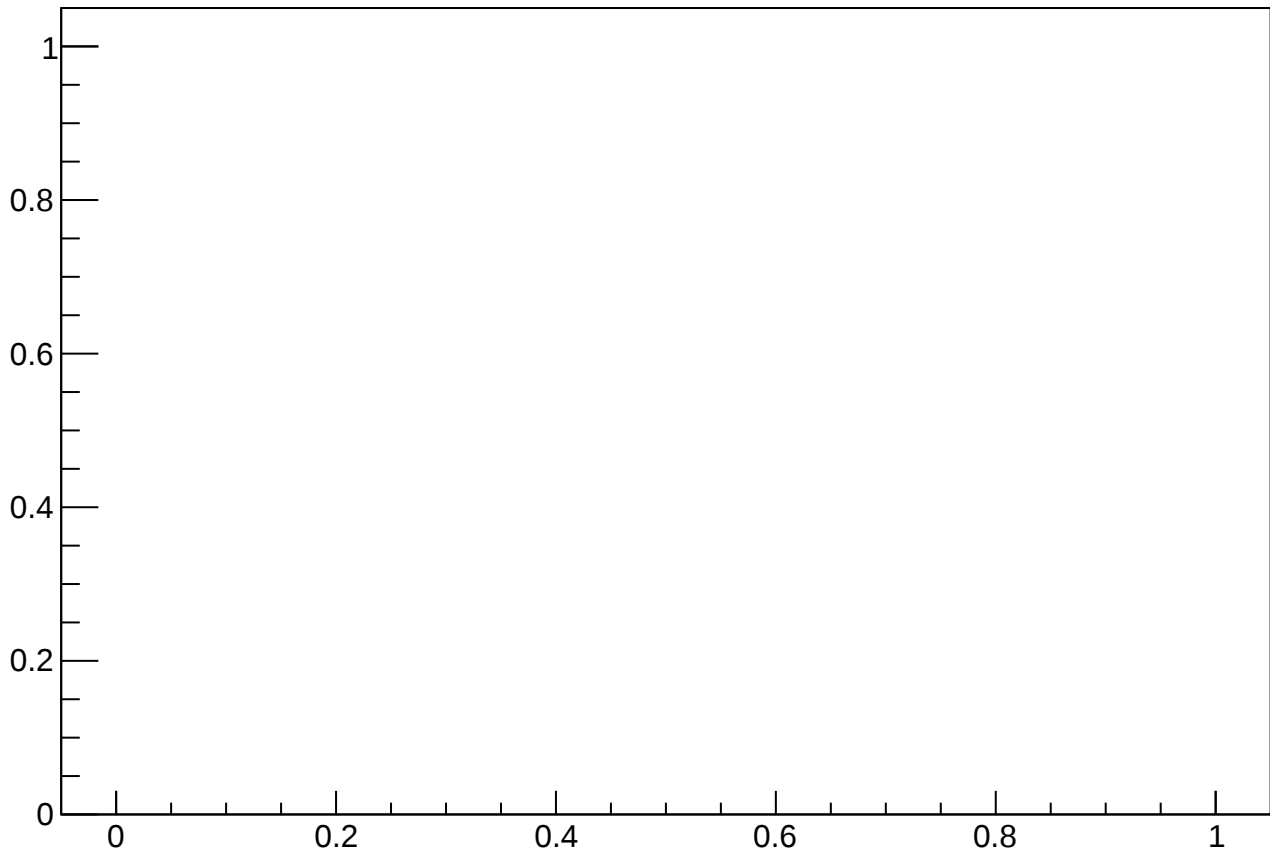
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

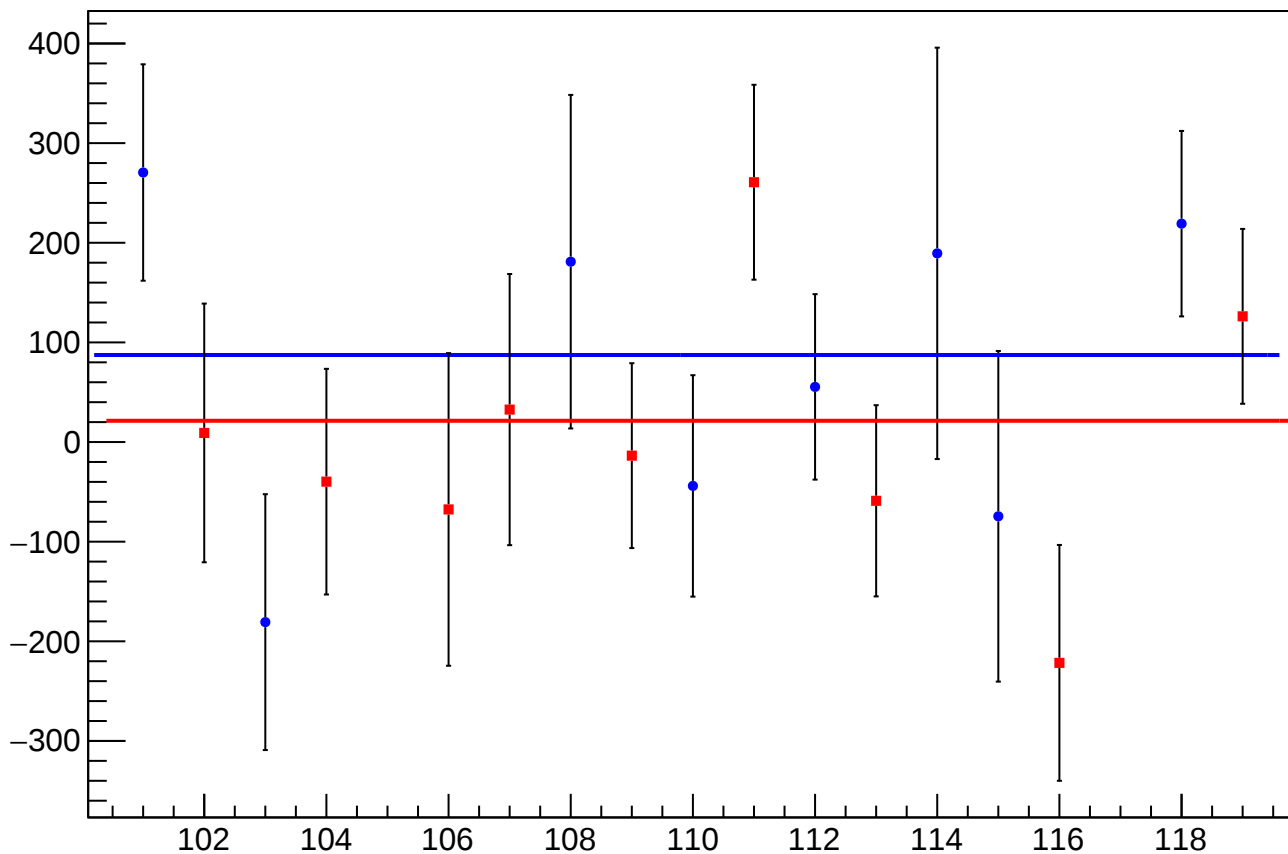
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 87.365+/-42.533  $\chi^2/\text{NDF}$ : 12.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.358+/-36.214  $\chi^2/\text{NDF}$ : 13.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

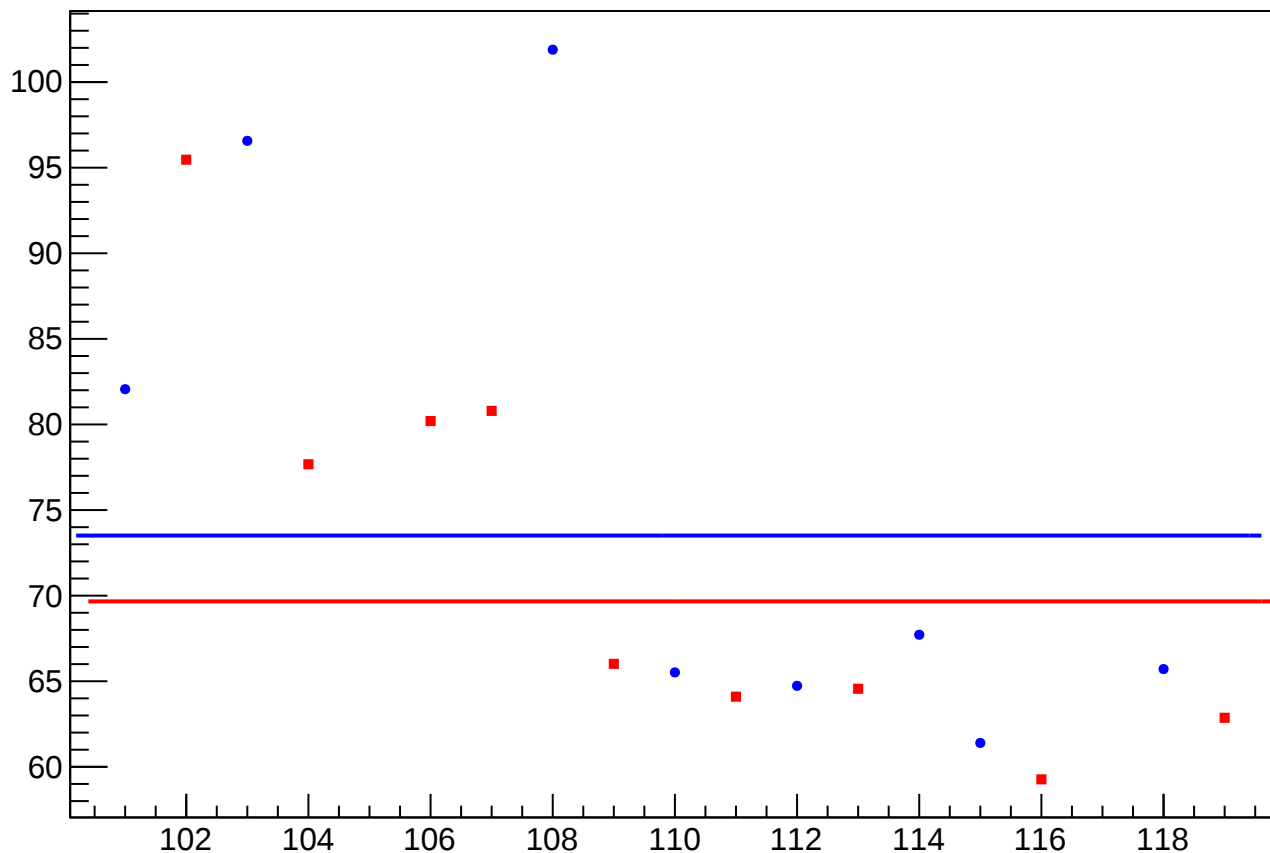
Right: 49.099+/-27.573  $\chi^2/\text{NDF}$ : 26.7/16

In: 87.365+/-42.533  $\chi^2/\text{NDF}$ : 12.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 49.099+/-27.573  $\chi^2/\text{NDF}$ : 26.7/16

dit\_asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 73.510 $\pm$ 0.030  $\chi^2$ /NDF: 188811.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 69.664 $\pm$ 0.026  $\chi^2$ /NDF: 154069.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

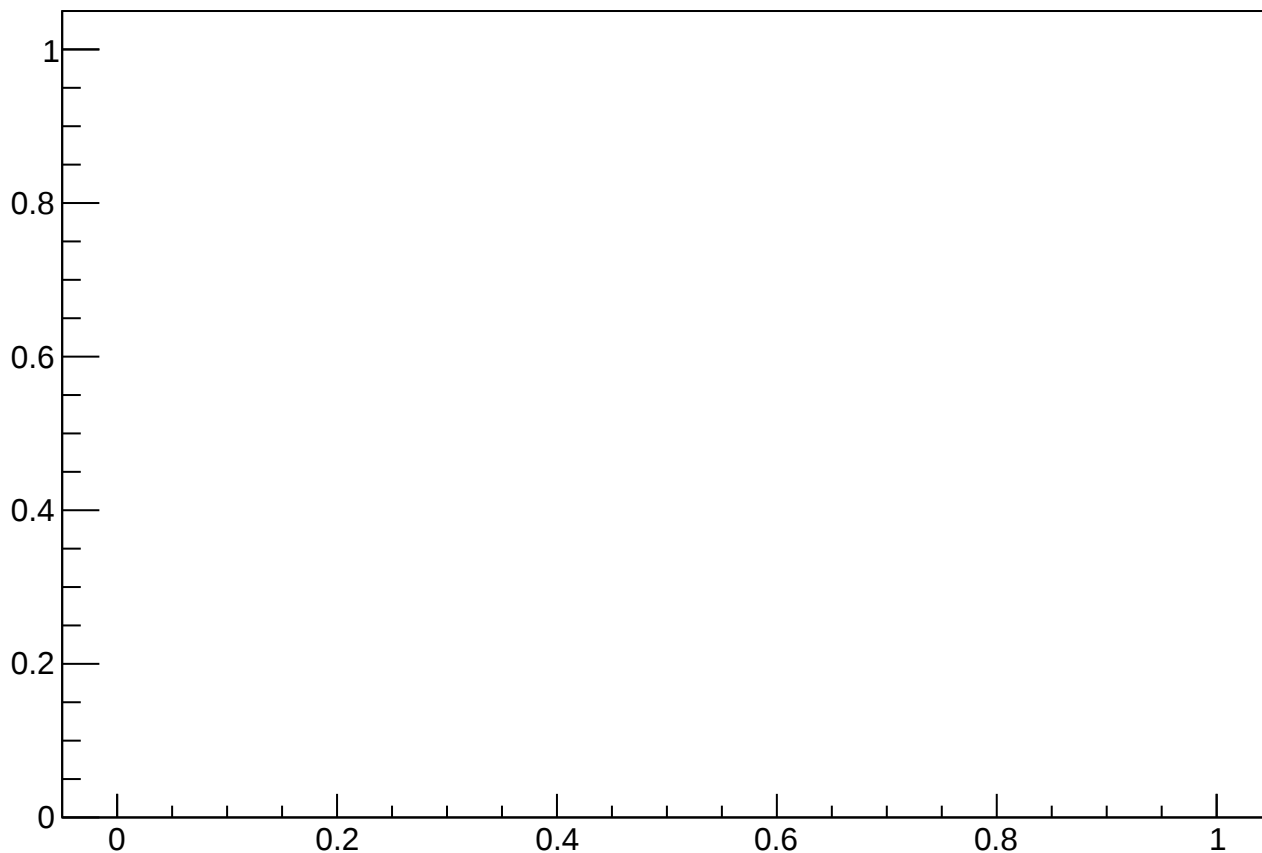
Right: 71.281 $\pm$ 0.019  $\chi^2$ /NDF: 352357.1/16

In: 73.510 $\pm$ 0.030  $\chi^2$ /NDF: 188811.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 71.281 $\pm$ 0.019  $\chi^2$ /NDF: 352357.1/16

asym\_sam\_15\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

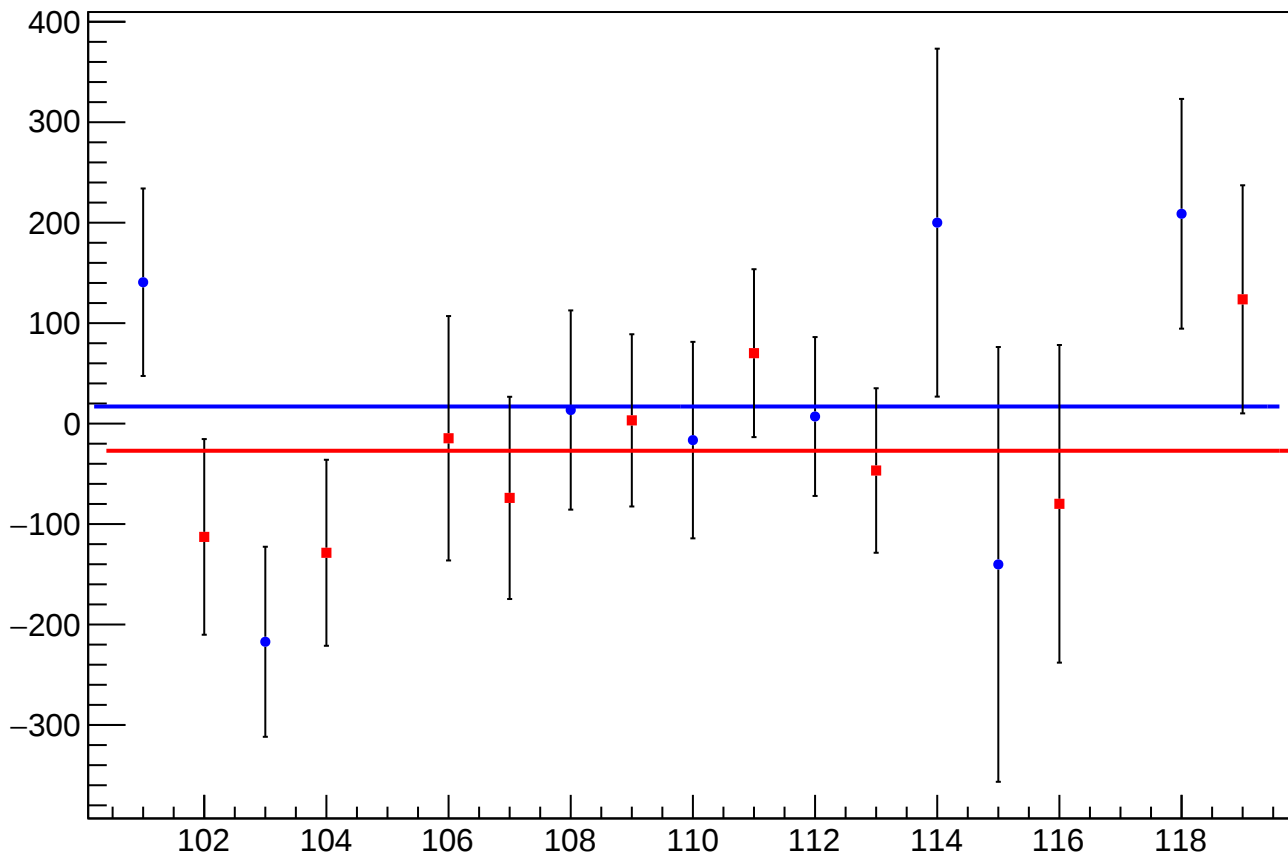
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 17.024+/-37.168  $\chi^2/\text{NDF}$ : 12.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -27.031+/-32.714  $\chi^2/\text{NDF}$ : 5.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

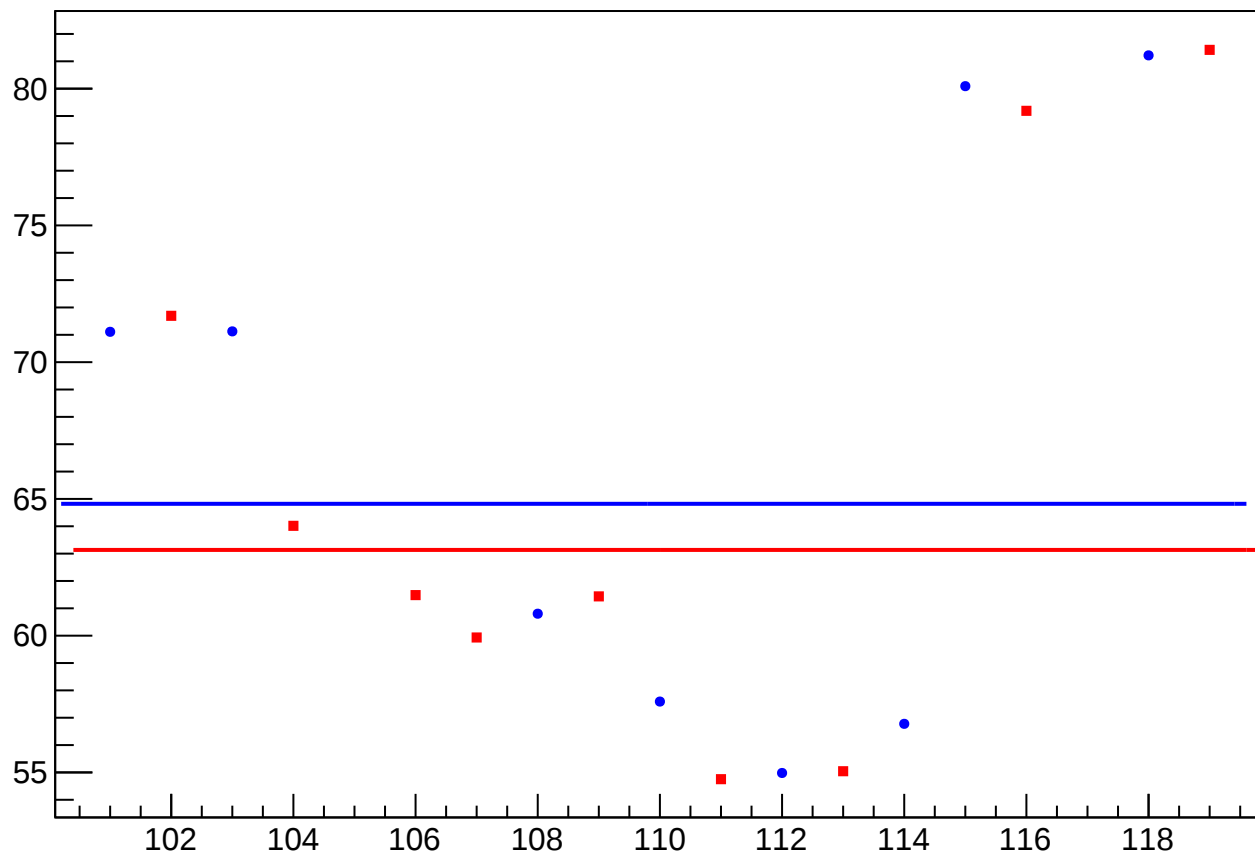
Right: -7.800+/-24.557  $\chi^2/\text{NDF}$ : 18.9/16

In: 17.024+/-37.168  $\chi^2/\text{NDF}$ : 12.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.800+/-24.557  $\chi^2/\text{NDF}$ : 18.9/16

dit\_asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 64.821+/-0.026  $\chi^2/\text{NDF}$ : 118538.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 63.135+/-0.023  $\chi^2/\text{NDF}$ : 130955.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 63.871+/-0.017  $\chi^2/\text{NDF}$ : 251812.5/16

In: 64.821+/-0.026  $\chi^2/\text{NDF}$ : 118538.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 63.871+/-0.017  $\chi^2/\text{NDF}$ : 251812.5/16

asym\_sam\_37\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

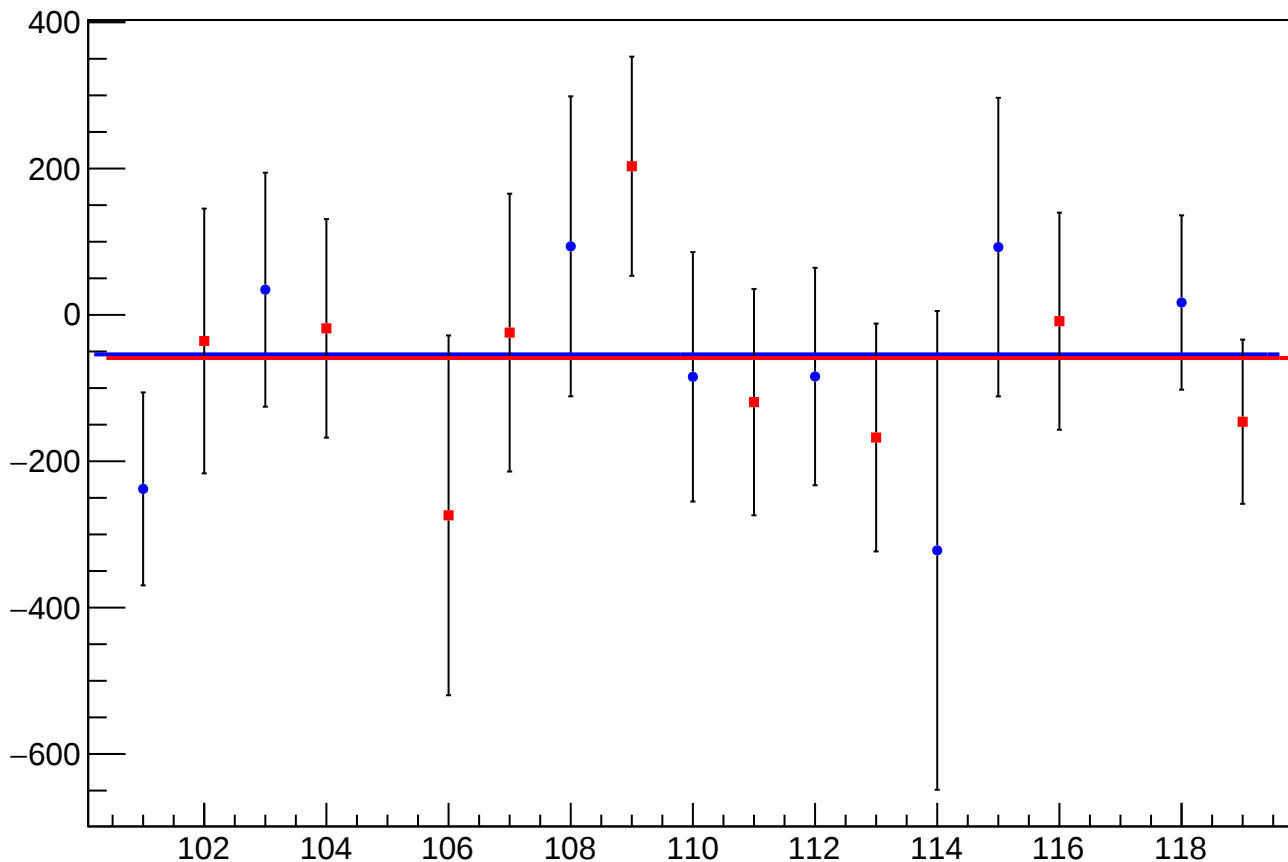
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -53.989 $\pm$ 57.359  $\chi^2$ /NDF: 4.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -58.937 $\pm$ 51.828  $\chi^2$ /NDF: 5.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

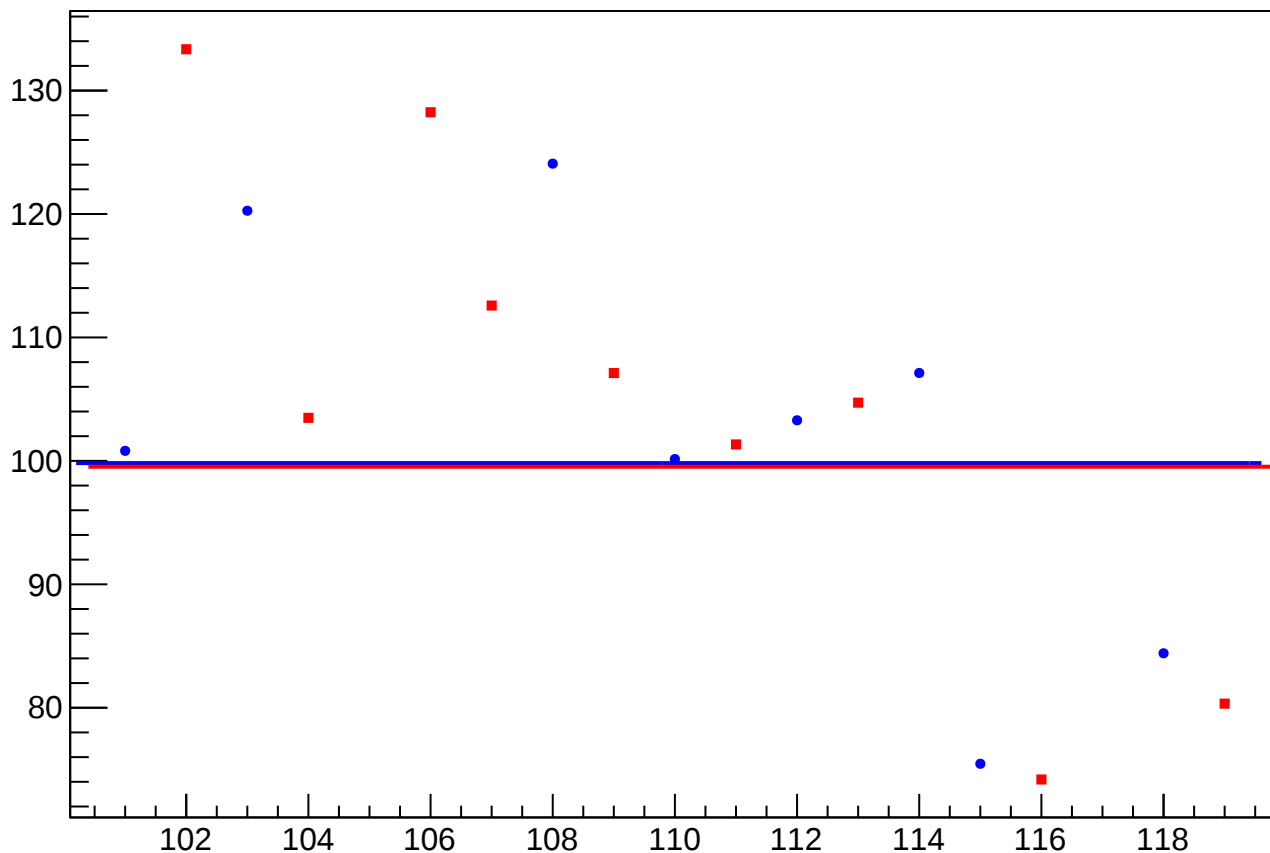
Right: -56.713 $\pm$ 38.455  $\chi^2$ /NDF: 9.7/16

In: -53.989 $\pm$ 57.359  $\chi^2$ /NDF:4.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -56.713 $\pm$ 38.455  $\chi^2$ /NDF: 9.7/16

dit\_asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 99.820+/-0.041  $\chi^2/\text{NDF}$ : 124887.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 99.526+/-0.037  $\chi^2/\text{NDF}$ : 232609.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 99.658+/-0.027  $\chi^2/\text{NDF}$ : 357525.7/16

In: 99.820+/-0.041  $\chi^2/\text{NDF}$ :124887.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 99.658+/-0.027  $\chi^2/\text{NDF}$ : 357525.7/16

asym\_sam\_15\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

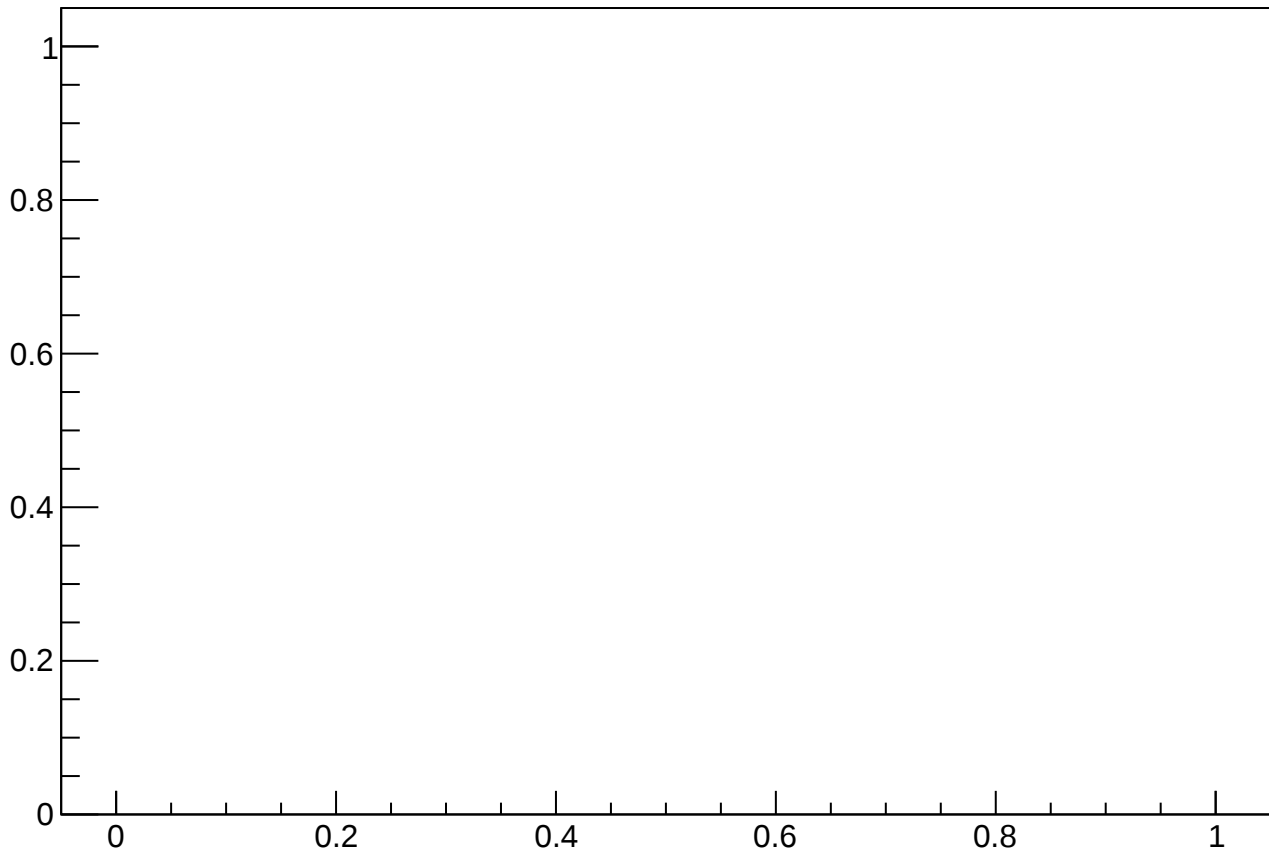
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

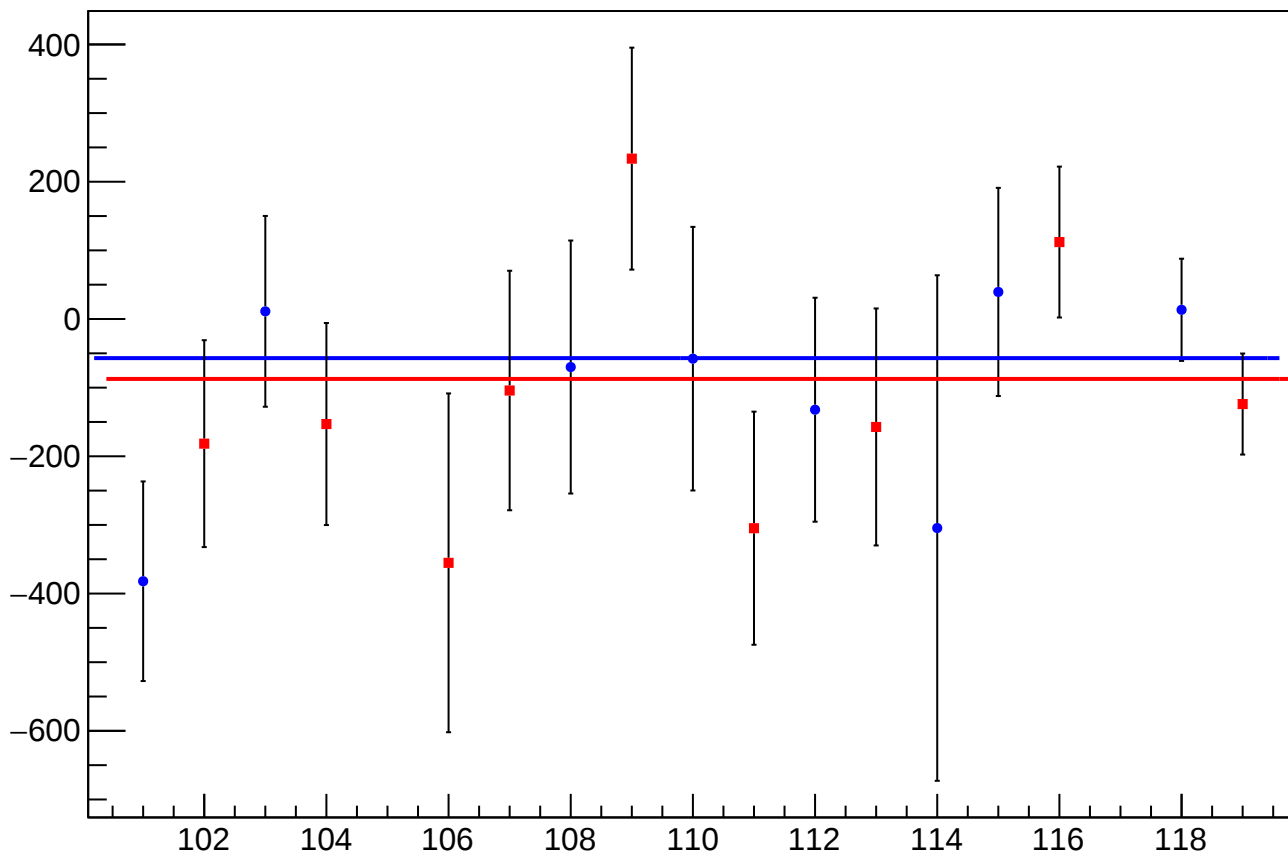
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -56.991+/-48.534  $\chi^2/\text{NDF}$ : 7.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -87.301+/-44.137  $\chi^2/\text{NDF}$ : 11.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

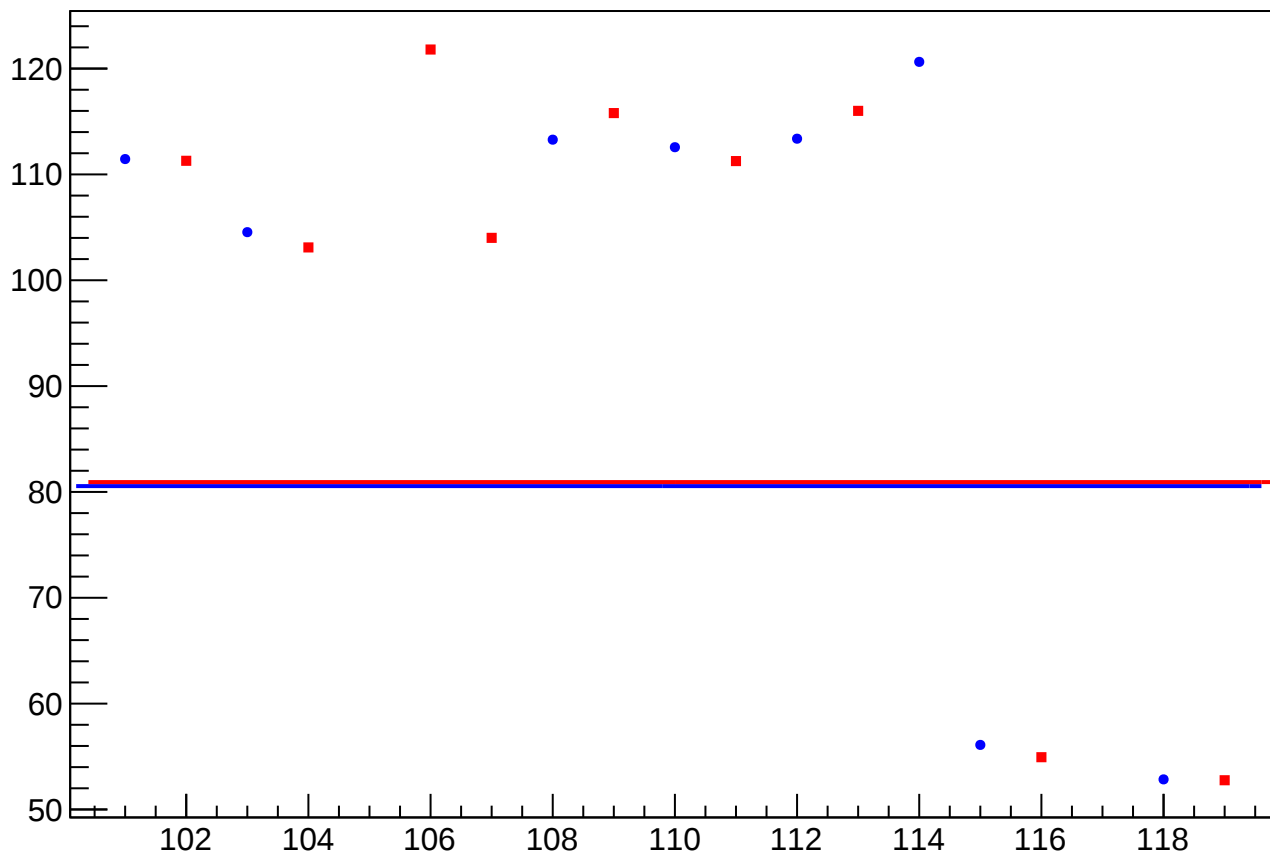
Right: -73.581+/-32.654  $\chi^2/\text{NDF}$ : 18.5/16

In: -56.991+/-48.534  $\chi^2/\text{NDF}$ : 7.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -73.581+/-32.654  $\chi^2/\text{NDF}$ : 18.5/16

dit\_asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 80.551+/-0.034  $\chi^2/\text{NDF}$ : 702395.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 80.932+/-0.031  $\chi^2/\text{NDF}$ : 860555.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 80.759+/-0.023  $\chi^2/\text{NDF}$ : 1563018.4/16

In: 80.551+/-0.034  $\chi^2/\text{NDF}$ :702395.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 80.759+/-0.023  $\chi^2/\text{NDF}$ : 1563018.4/16

asym\_sam\_37\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

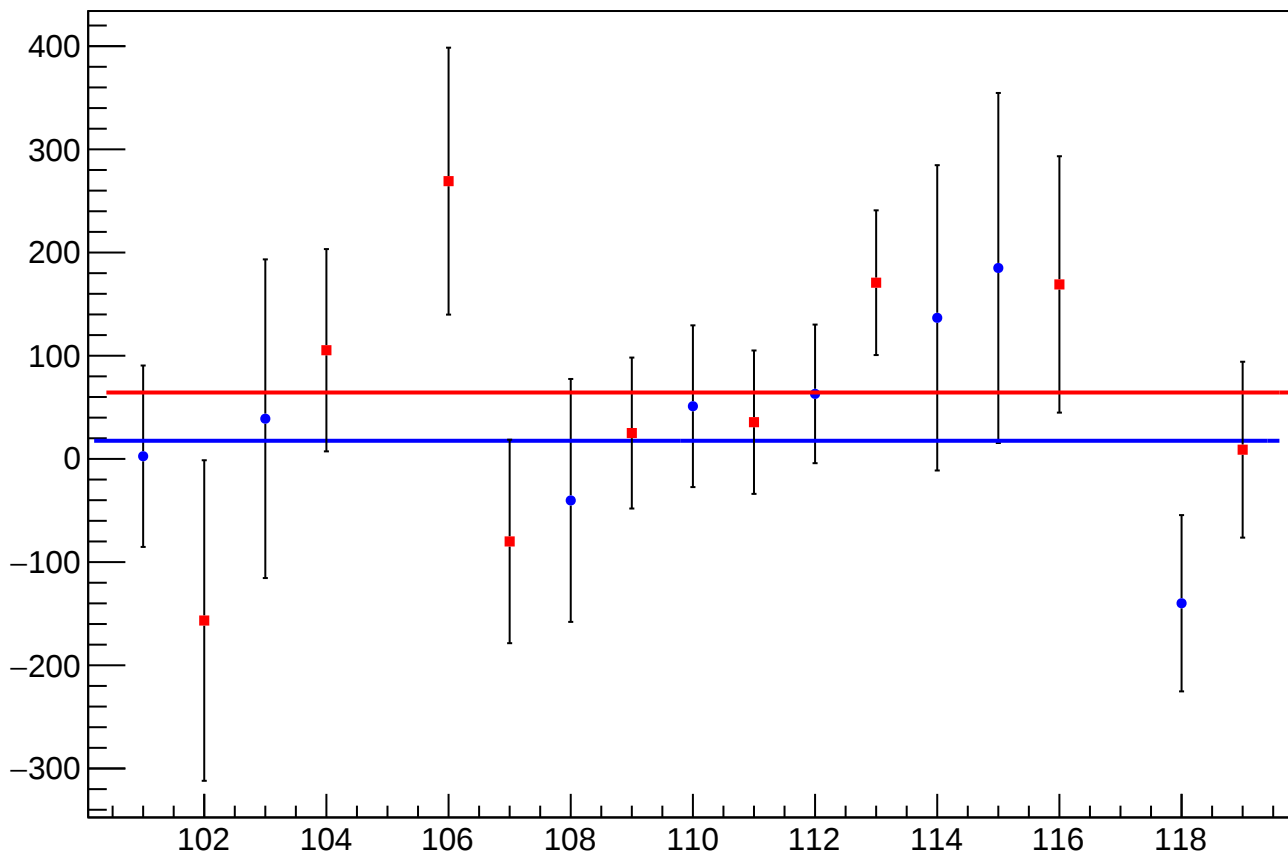
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 17.580+/-34.390  $\chi^2/\text{NDF}$ : 6.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 64.358+/-30.042  $\chi^2/\text{NDF}$ : 10.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

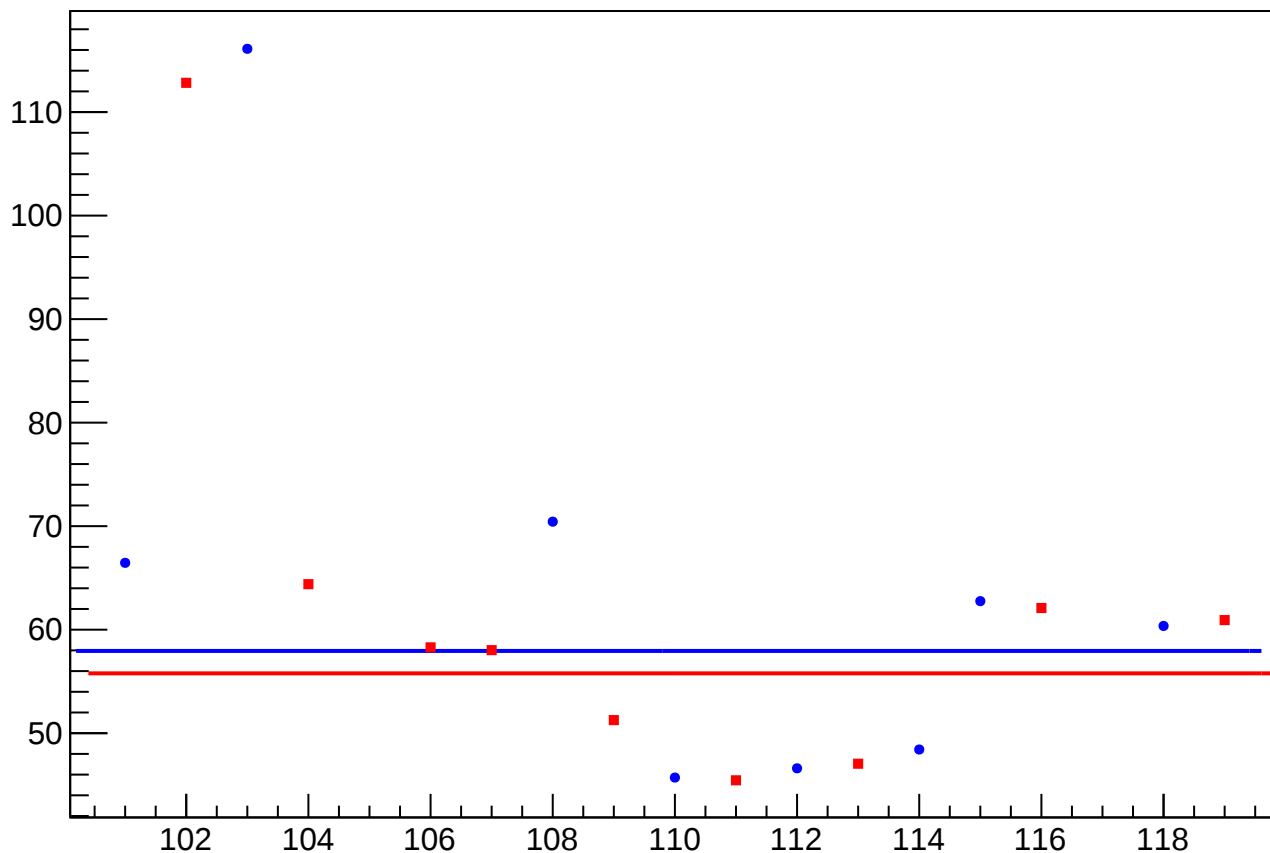
Right: 44.111+/-22.625  $\chi^2/\text{NDF}$ : 17.7/16

In: 17.580+/-34.390  $\chi^2/\text{NDF}$ : 6.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 44.111+/-22.625  $\chi^2/\text{NDF}$ : 17.7/16

dit\_asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 57.947 $\pm$ 0.024  $\chi^2$ /NDF: 442282.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 55.782 $\pm$ 0.021  $\chi^2$ /NDF: 382285.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

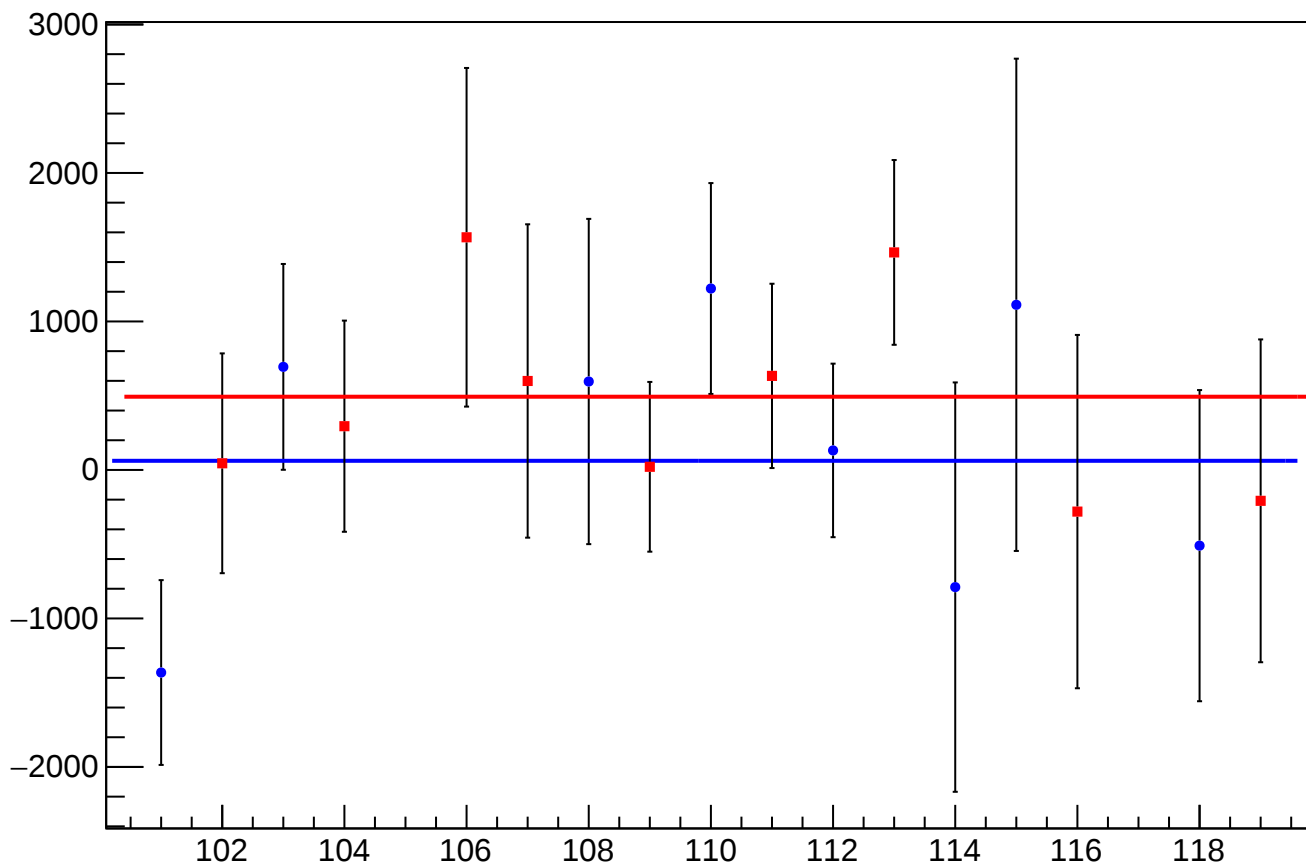
Right: 56.719 $\pm$ 0.016  $\chi^2$ /NDF: 829064.1/16

In: 57.947 $\pm$ 0.024  $\chi^2$ /NDF:442282.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 56.719 $\pm$ 0.016  $\chi^2$ /NDF: 829064.1/16

asym\_sam\_1357\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 61.565+/-286.153  $\chi^2/\text{NDF}$ : 10.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 493.163+/-255.944  $\chi^2/\text{NDF}$ : 5.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

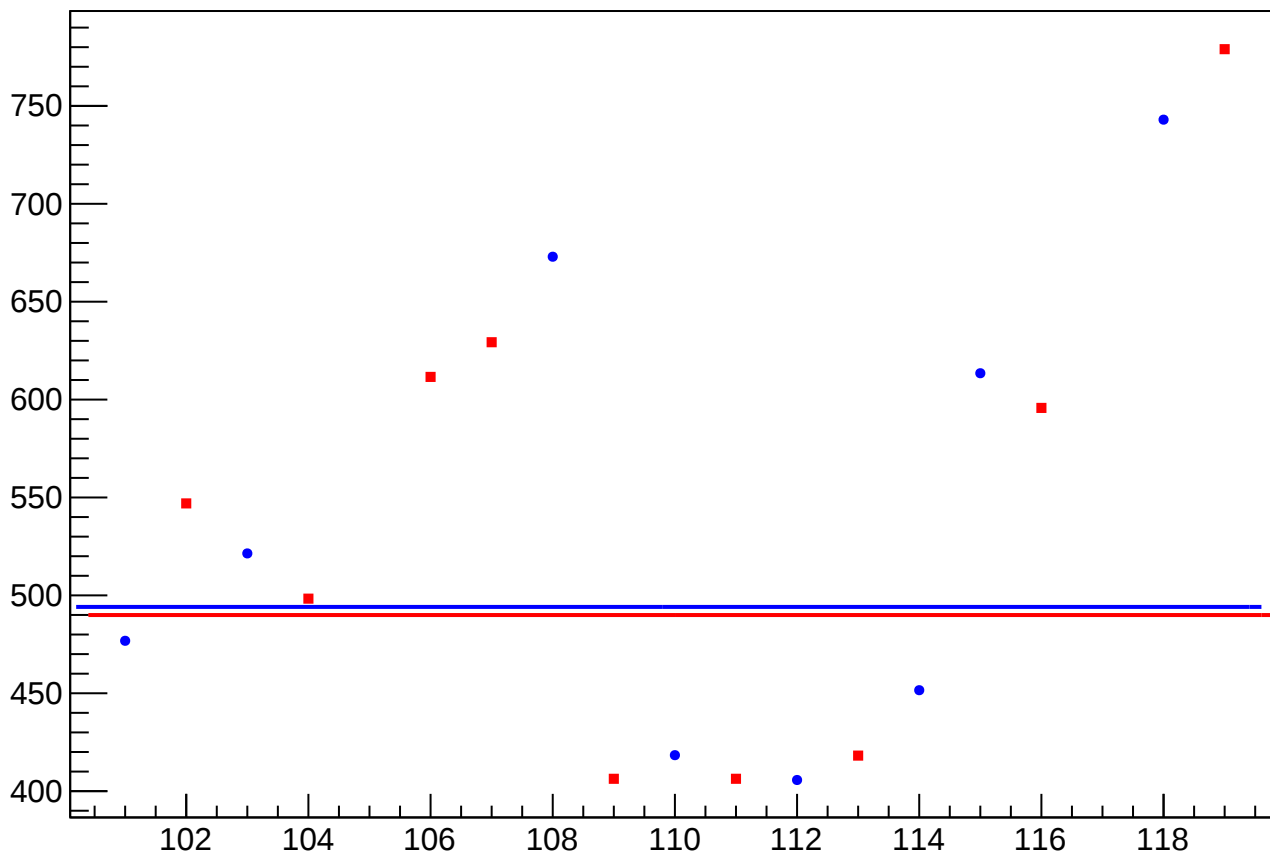
Right: 301.341+/-190.769  $\chi^2/\text{NDF}$ : 16.7/16

In: 61.565+/-286.153  $\chi^2/\text{NDF}$ : 10.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 301.341+/-190.769  $\chi^2/\text{NDF}$ : 16.7/16

asym\_sam\_1357\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 494.104+/-0.202  $\chi^2/\text{NDF}$ : 251650.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 489.954+/-0.181  $\chi^2/\text{NDF}$ : 332791.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

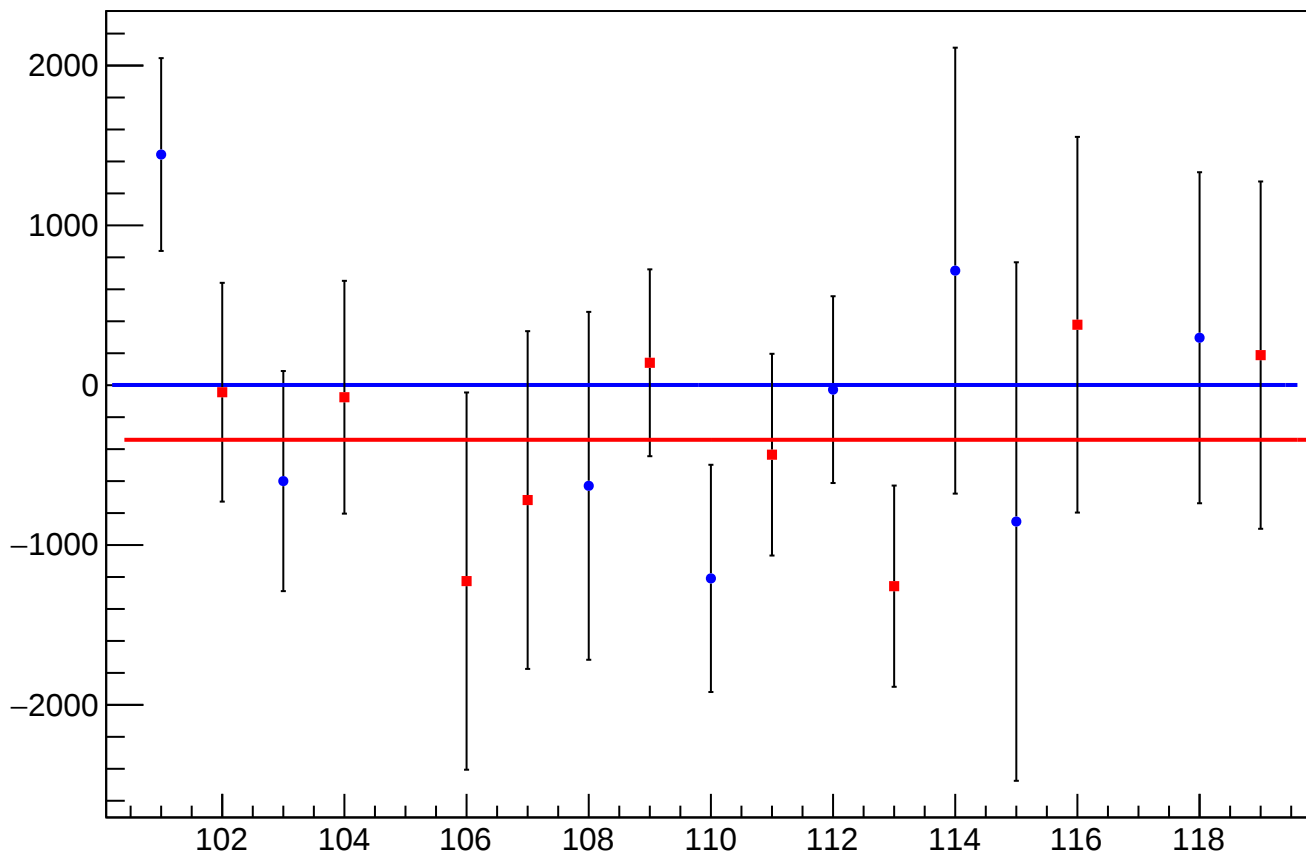
Right: 491.799+/-0.135  $\chi^2/\text{NDF}$ : 584675.0/16

In: 494.104+/-0.202  $\chi^2/\text{NDF}$ : 251650.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 491.799+/-0.135  $\chi^2/\text{NDF}$ : 584675.0/16

asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 1.456+/-283.576  $\chi^2/\text{NDF}$ : 10.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -341.506+/-256.785  $\chi^2/\text{NDF}$ : 4.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

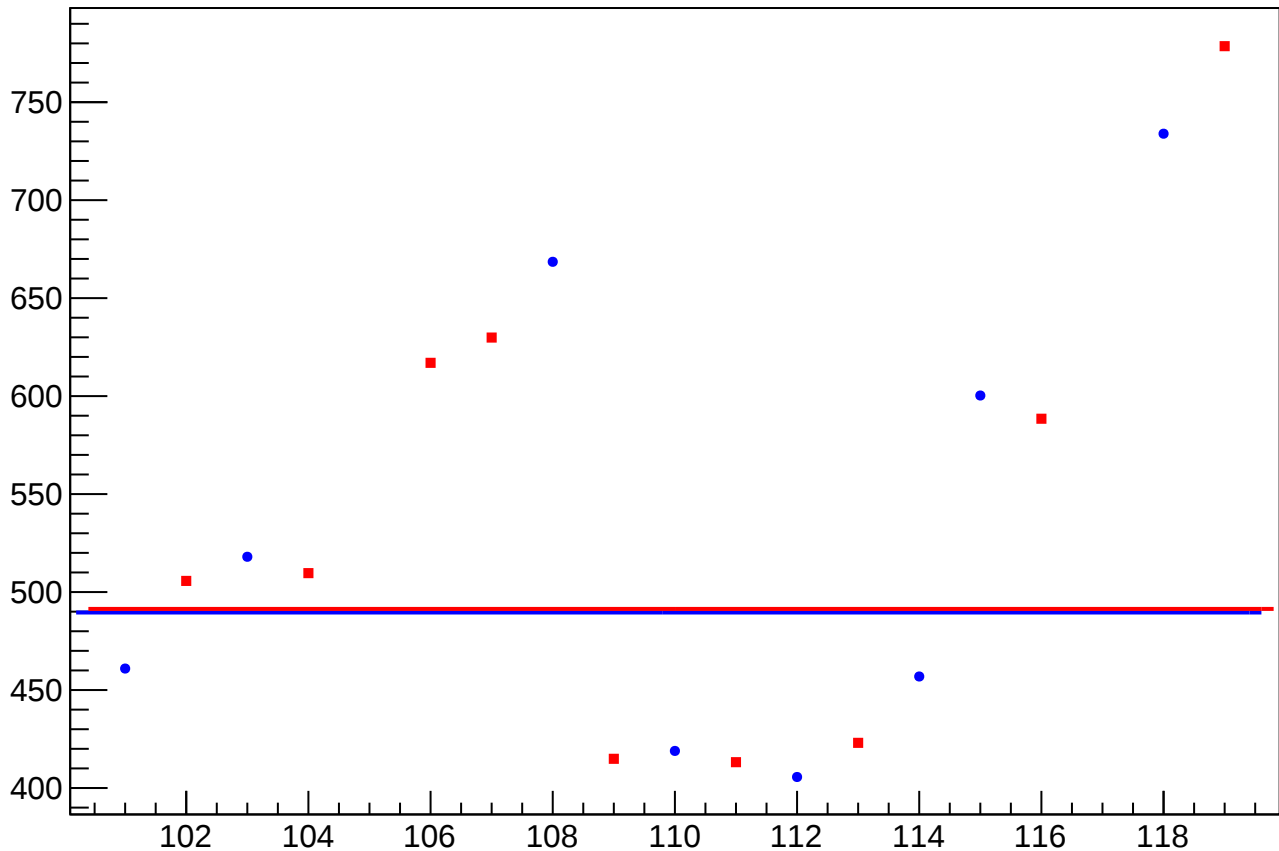
Right: -186.987+/-190.343  $\chi^2/\text{NDF}$ : 15.6/16

In: 1.456+/-283.576  $\chi^2/\text{NDF}$ : 10.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -186.987+/-190.343  $\chi^2/\text{NDF}$ : 15.6/16

# asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 489.568+/-0.201  $\chi^2/\text{NDF}$ : 244780.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 491.396+/-0.182  $\chi^2/\text{NDF}$ : 301032.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

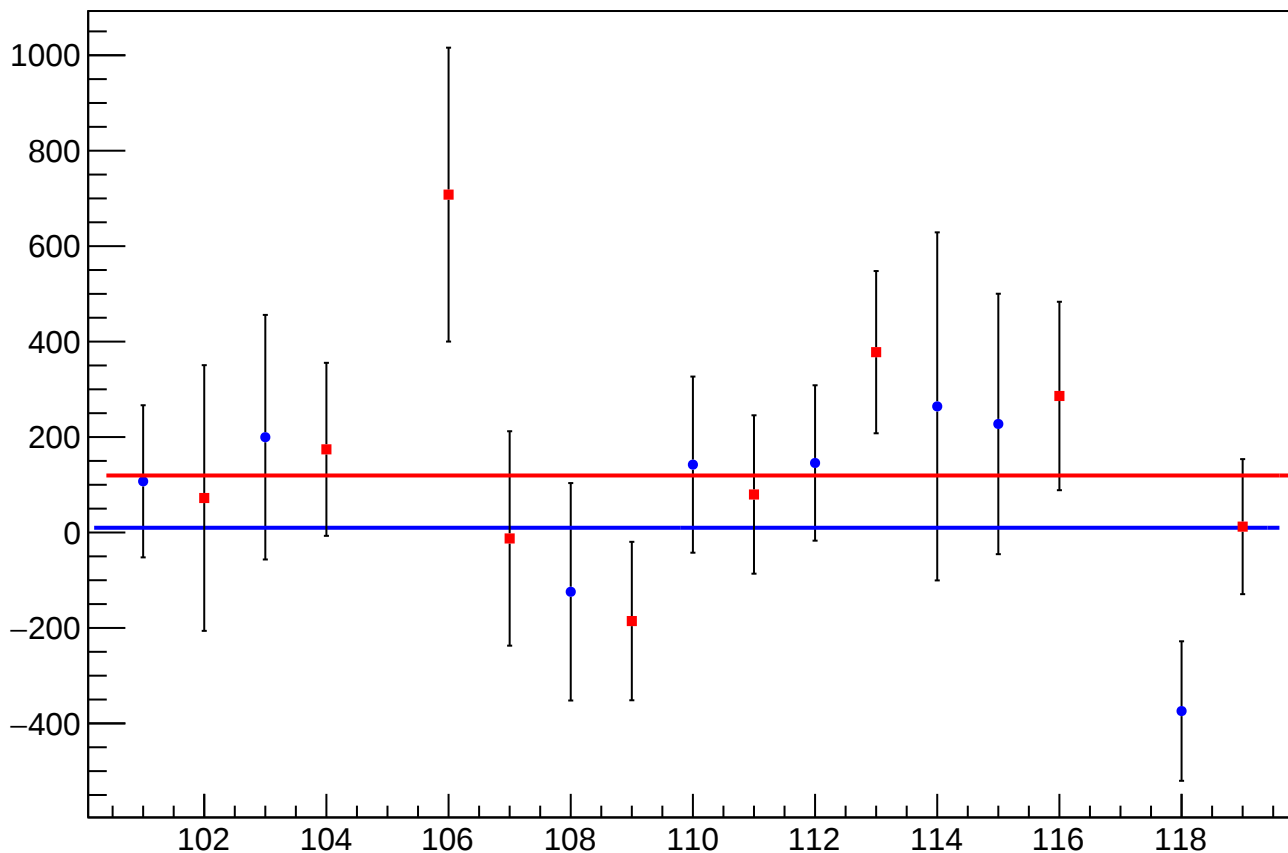
Right: 490.573+/-0.135  $\chi^2/\text{NDF}$ : 545858.6/16

In: 489.568+/-0.201  $\chi^2/\text{NDF}$ : 244780.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 490.573+/-0.135  $\chi^2/\text{NDF}$ : 545858.6/16

dit\_asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 9.935 $\pm$ 69.217  $\chi^2$ /NDF: 10.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 119.466 $\pm$ 62.436  $\chi^2$ /NDF: 11.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

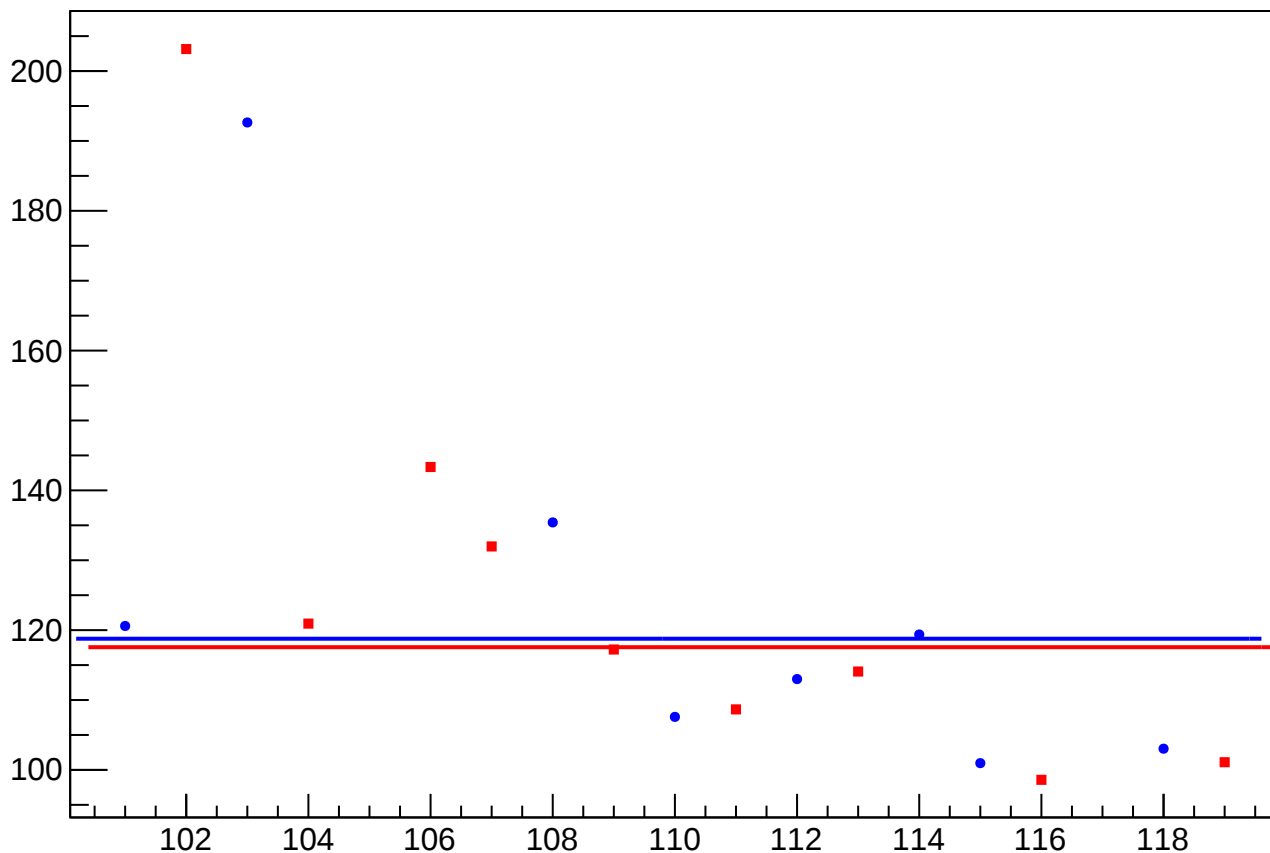
Right: 70.327 $\pm$ 46.361  $\chi^2$ /NDF: 23.0/16

In: 9.935 $\pm$ 69.217  $\chi^2$ /NDF:10.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 70.327 $\pm$ 46.361  $\chi^2$ /NDF: 23.0/16

dit\_asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 118.773+/-0.049  $\chi^2/\text{NDF}$ : 218735.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 117.560+/-0.044  $\chi^2/\text{NDF}$ : 264190.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

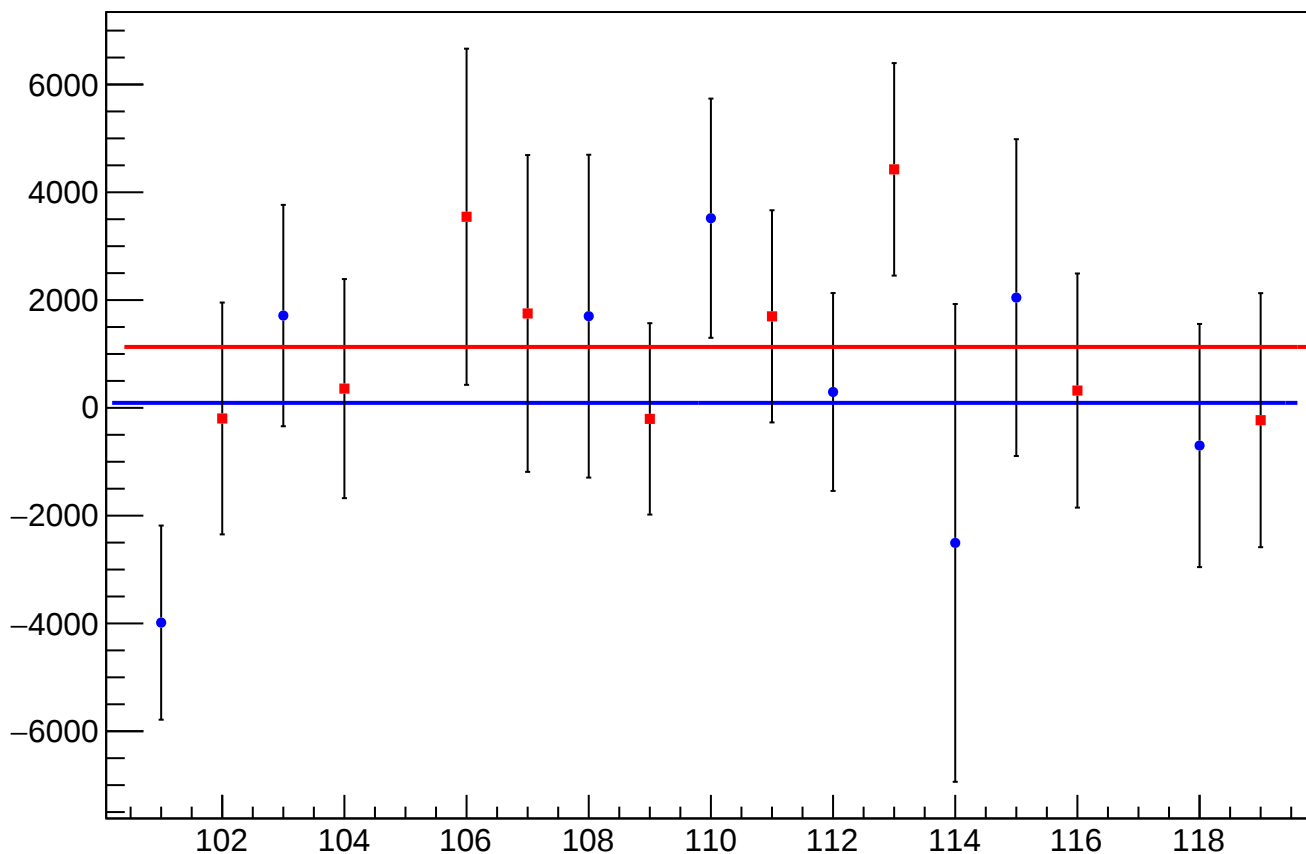
Right: 118.104+/-0.033  $\chi^2/\text{NDF}$ : 483263.8/16

In: 118.773+/-0.049  $\chi^2/\text{NDF}$ : 218735.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 118.104+/-0.033  $\chi^2/\text{NDF}$ : 483263.8/16

asym\_sam\_2468\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 92.698+/-811.156  $\chi^2/\text{NDF}$ : 9.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1130.794+/-725.246  $\chi^2/\text{NDF}$ : 5.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

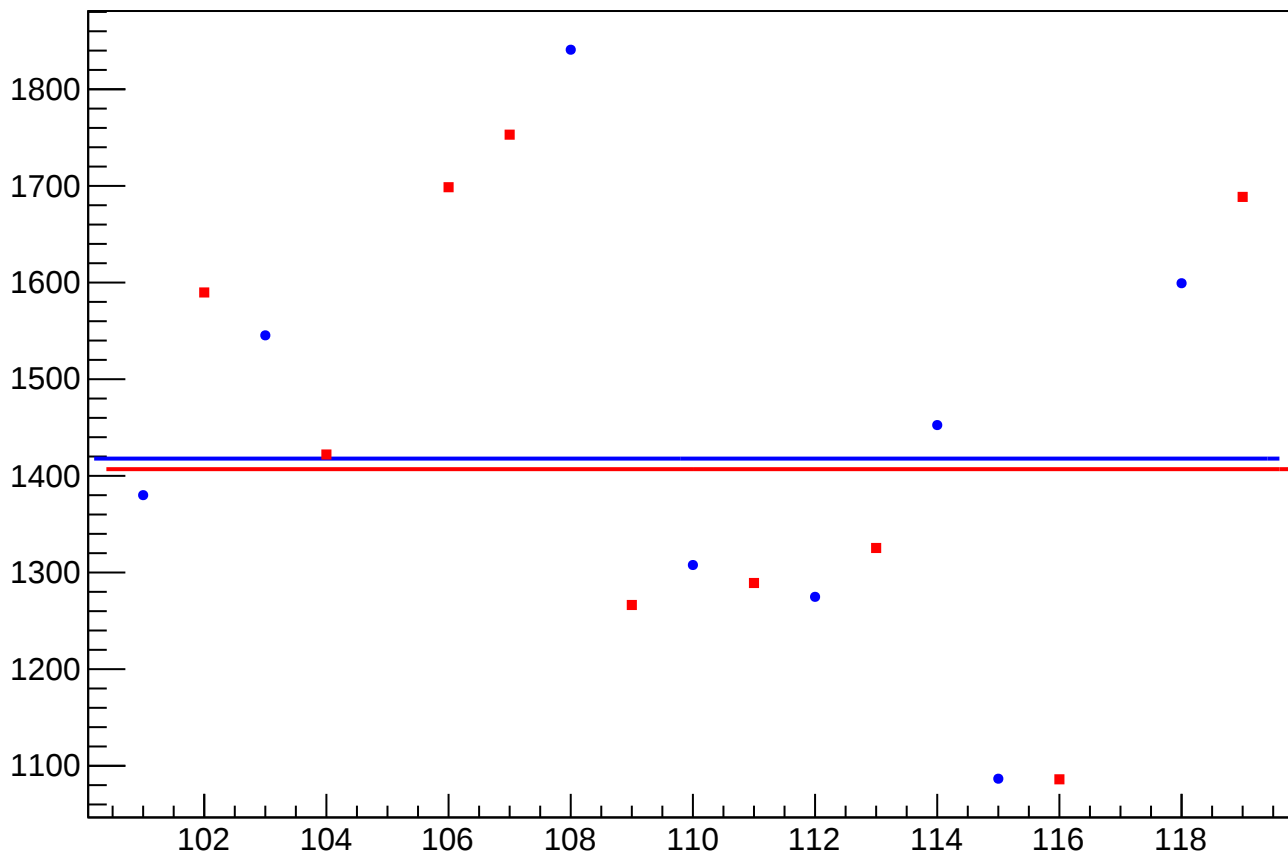
Right: 669.611+/-540.657  $\chi^2/\text{NDF}$ : 15.3/16

In: 92.698+/-811.156  $\chi^2/\text{NDF}$ : 9.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 669.611+/-540.657  $\chi^2/\text{NDF}$ : 15.3/16

asym\_sam\_2468\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1417.864+/-0.574  $\chi^2/\text{NDF}$ : 104015.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1406.926+/-0.513  $\chi^2/\text{NDF}$ : 155119.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

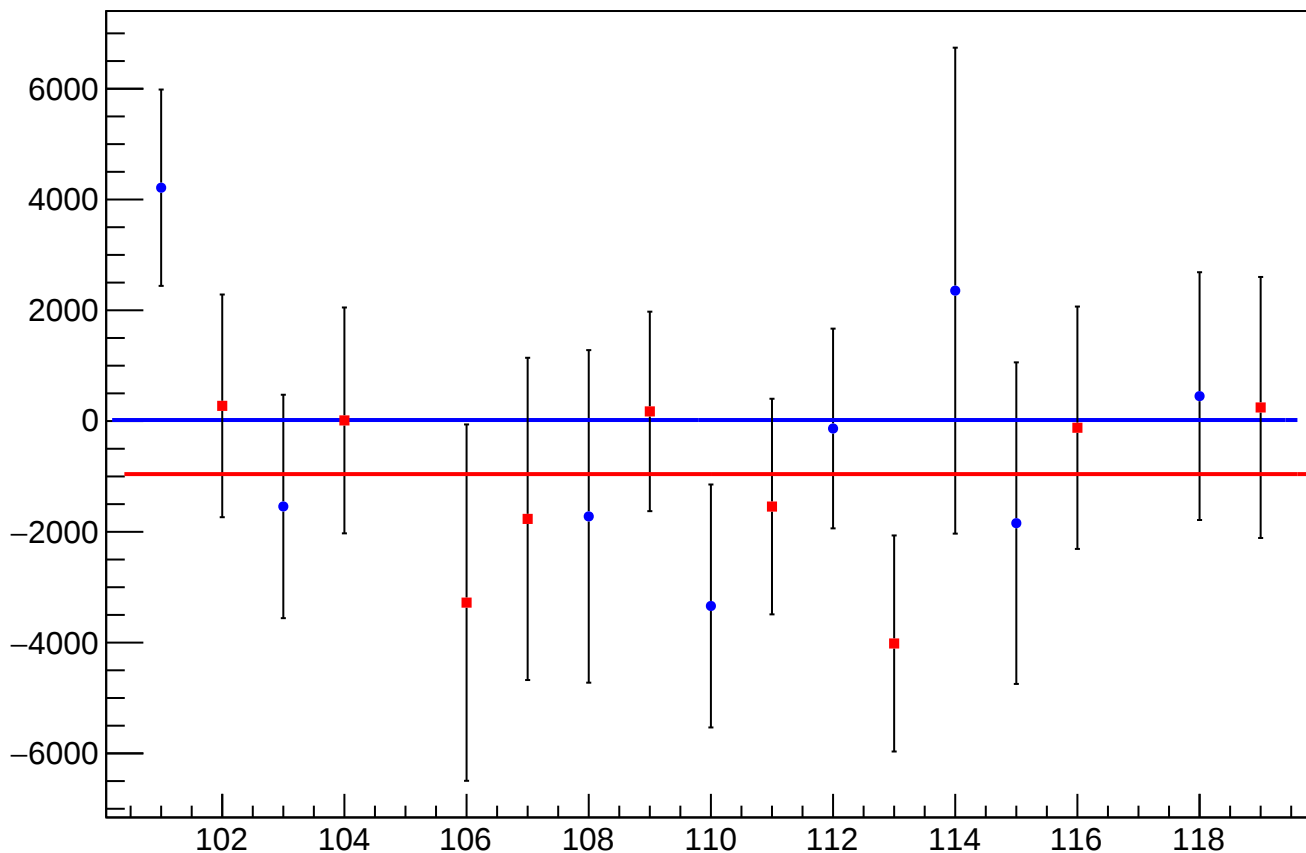
Right: 1411.786+/-0.382  $\chi^2/\text{NDF}$ : 259336.4/16

In: 1417.864+/-0.574  $\chi^2/\text{NDF}$ : 104015.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1411.786+/-0.382  $\chi^2/\text{NDF}$ : 259336.4/16

asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 18.845+/-800.377  $\chi^2/\text{NDF}$ : 9.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -957.532+/-720.394  $\chi^2/\text{NDF}$ : 4.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

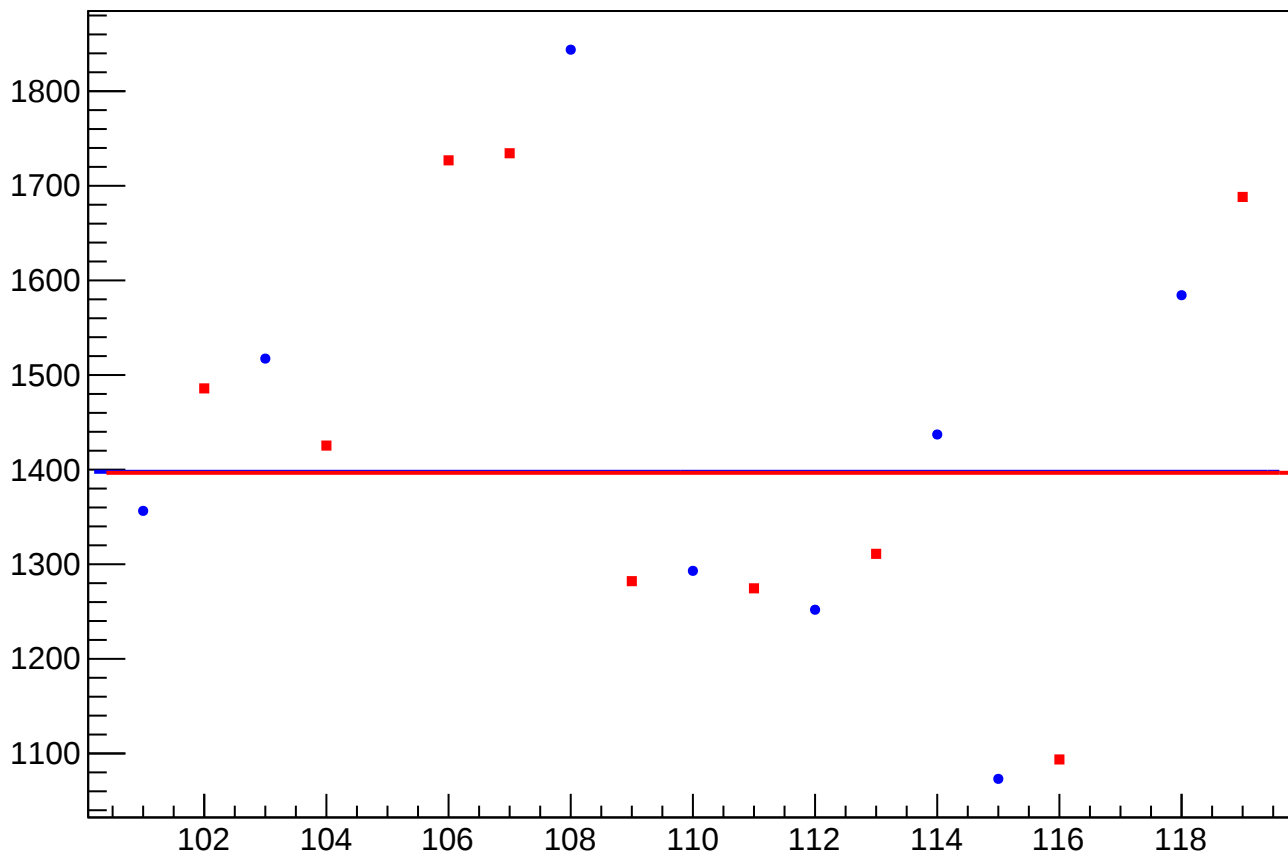
Right: -520.553+/-535.447  $\chi^2/\text{NDF}$ : 15.0/16

In: 18.845+/-800.377  $\chi^2/\text{NDF}$ : 9.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -520.553+/-535.447  $\chi^2/\text{NDF}$ : 15.0/16

# asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 1397.722+/-0.566  $\chi^2/\text{NDF}$ : 109019.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1396.646+/-0.509  $\chi^2/\text{NDF}$ : 141163.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

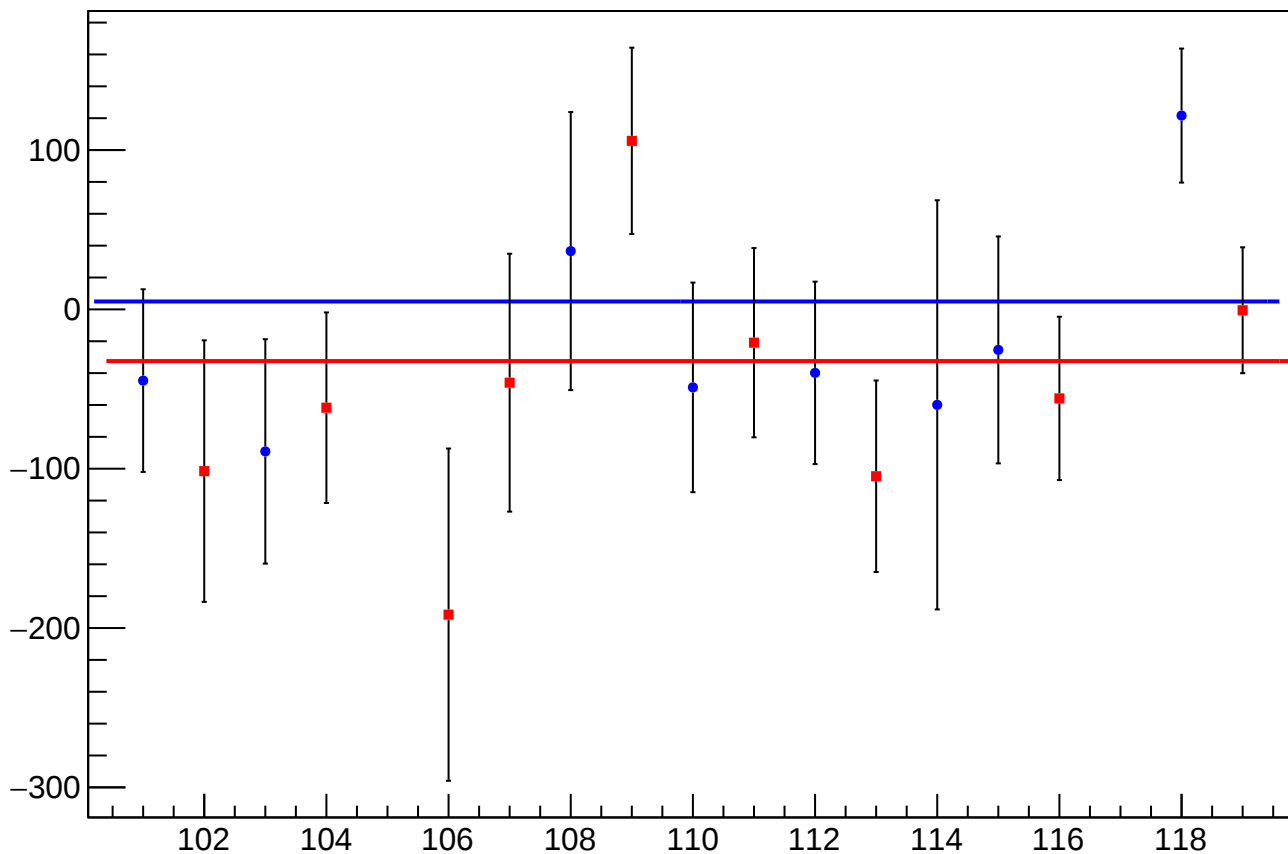
Right: 1397.128+/-0.379  $\chi^2/\text{NDF}$ : 250184.8/16

In: 1397.722+/-0.566  $\chi^2/\text{NDF}$ : 109019.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1397.128+/-0.379  $\chi^2/\text{NDF}$ : 250184.8/16

dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: 4.963+/-22.380  $\chi^2/\text{NDF}$ : 12.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -32.427+/-19.815  $\chi^2/\text{NDF}$ : 11.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

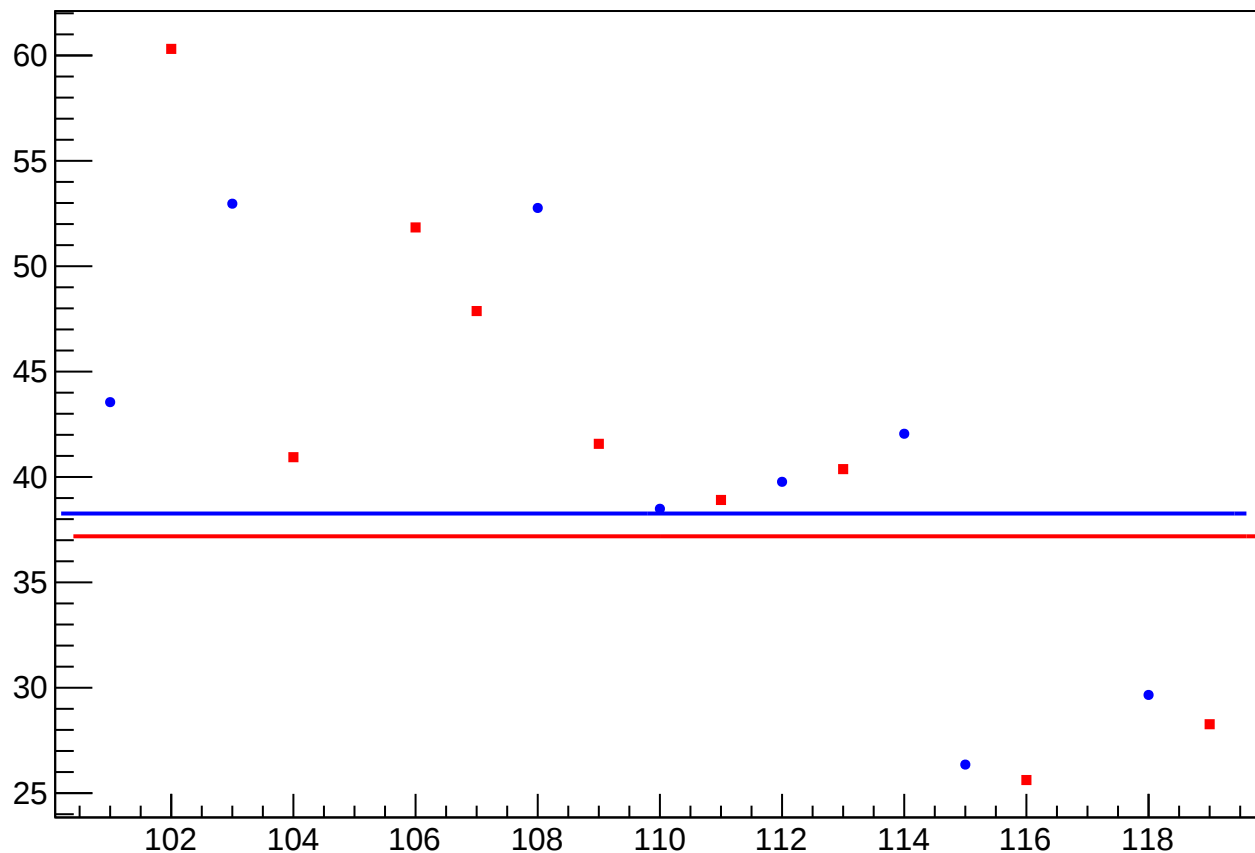
Right: -15.996+/-14.836  $\chi^2/\text{NDF}$ : 24.9/16

In: 4.963+/-22.380  $\chi^2/\text{NDF}$ : 12.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -15.996+/-14.836  $\chi^2/\text{NDF}$ : 24.9/16

dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 38.266+/-0.016  $\chi^2/\text{NDF}$ : 302208.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 37.185+/-0.014  $\chi^2/\text{NDF}$ : 463241.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

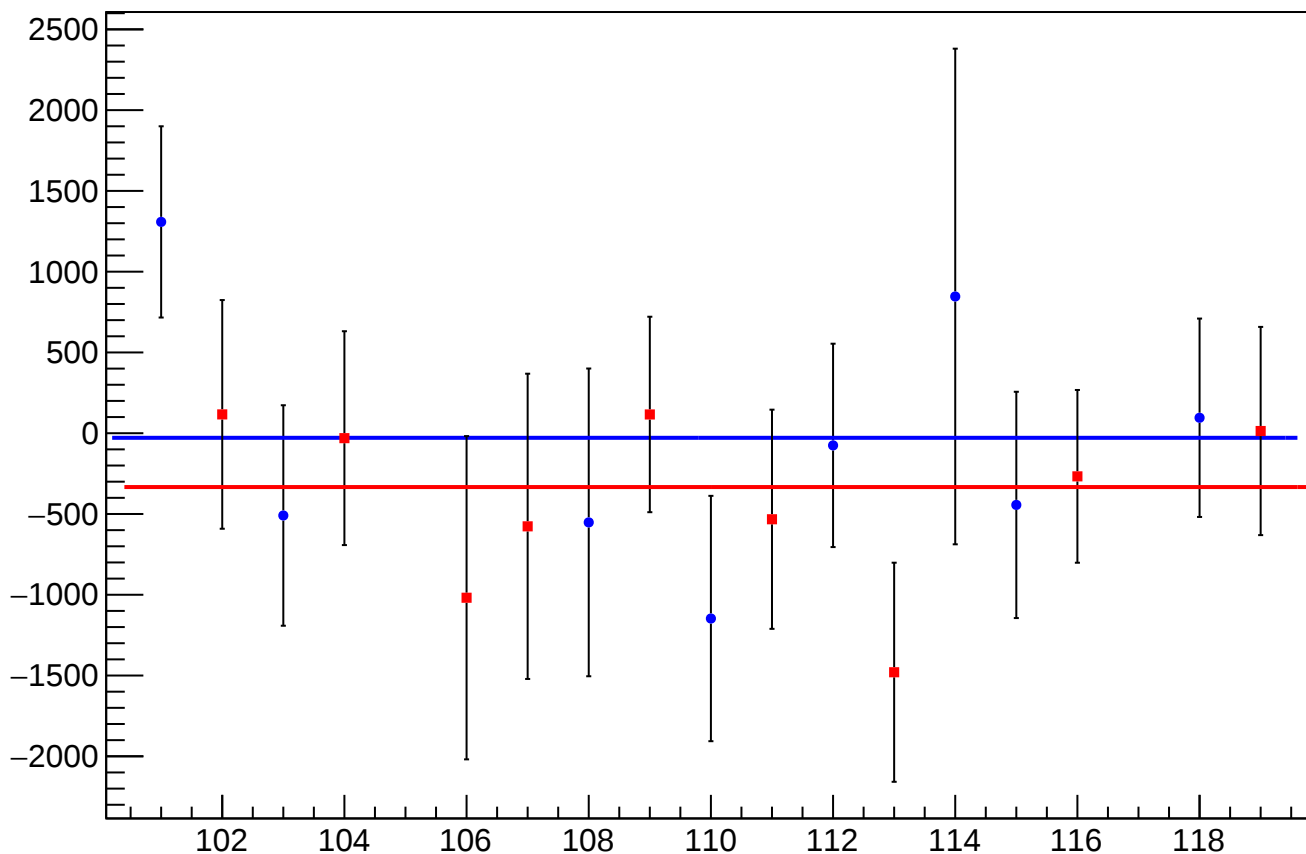
Right: 37.660+/-0.010  $\chi^2/\text{NDF}$ : 768066.0/16

In: 38.266+/-0.016  $\chi^2/\text{NDF}$ : 302208.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.660+/-0.010  $\chi^2/\text{NDF}$ : 768066.0/16

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -28.389+/-254.188  $\chi^2/\text{NDF}$ : 8.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -333.255+/-227.144  $\chi^2/\text{NDF}$ : 4.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

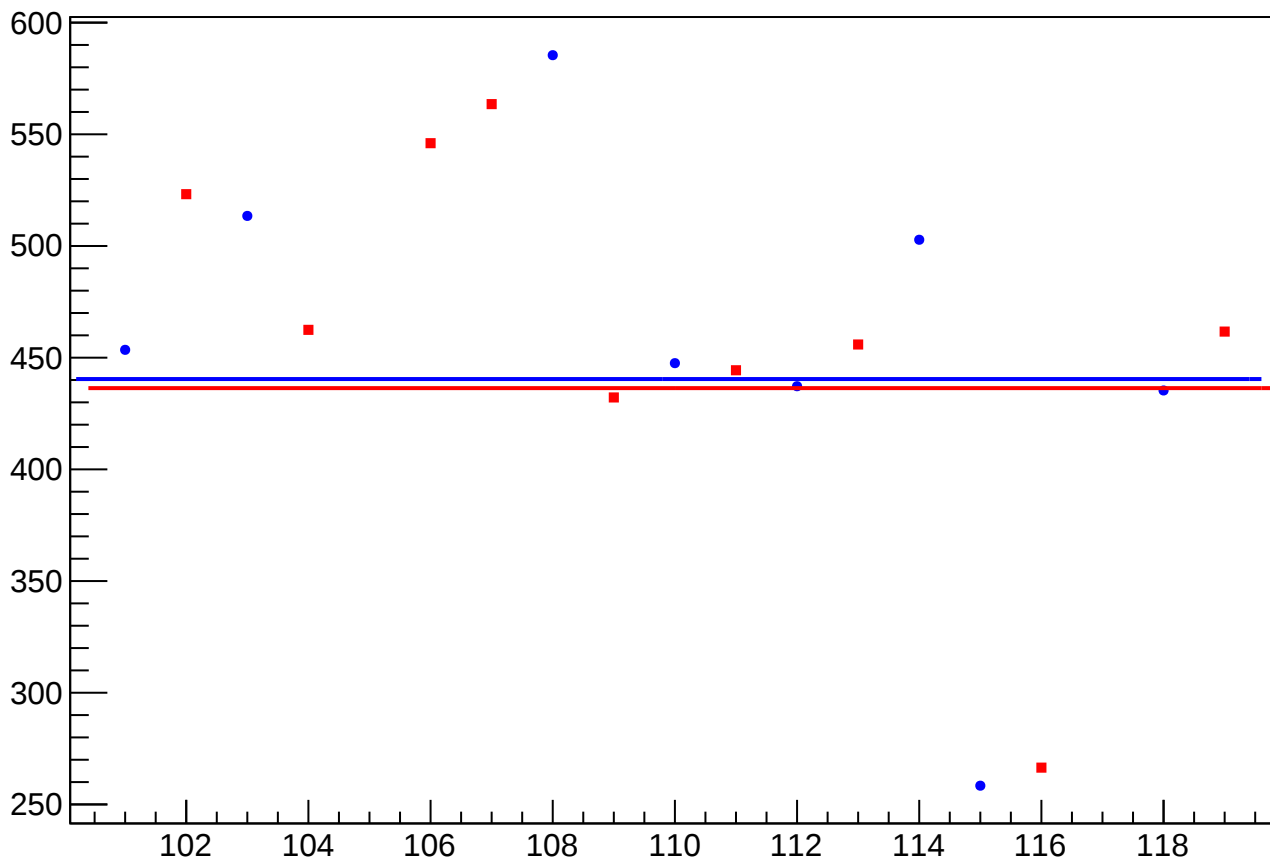
Right: -197.897+/-169.372  $\chi^2/\text{NDF}$ : 14.5/16

In: -28.389+/-254.188  $\chi^2/\text{NDF}$ :8.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -197.897+/-169.372  $\chi^2/\text{NDF}$ : 14.5/16

asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 440.435+/-0.180  $\chi^2/\text{NDF}$ : 209008.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 436.368+/-0.161  $\chi^2/\text{NDF}$ : 300473.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

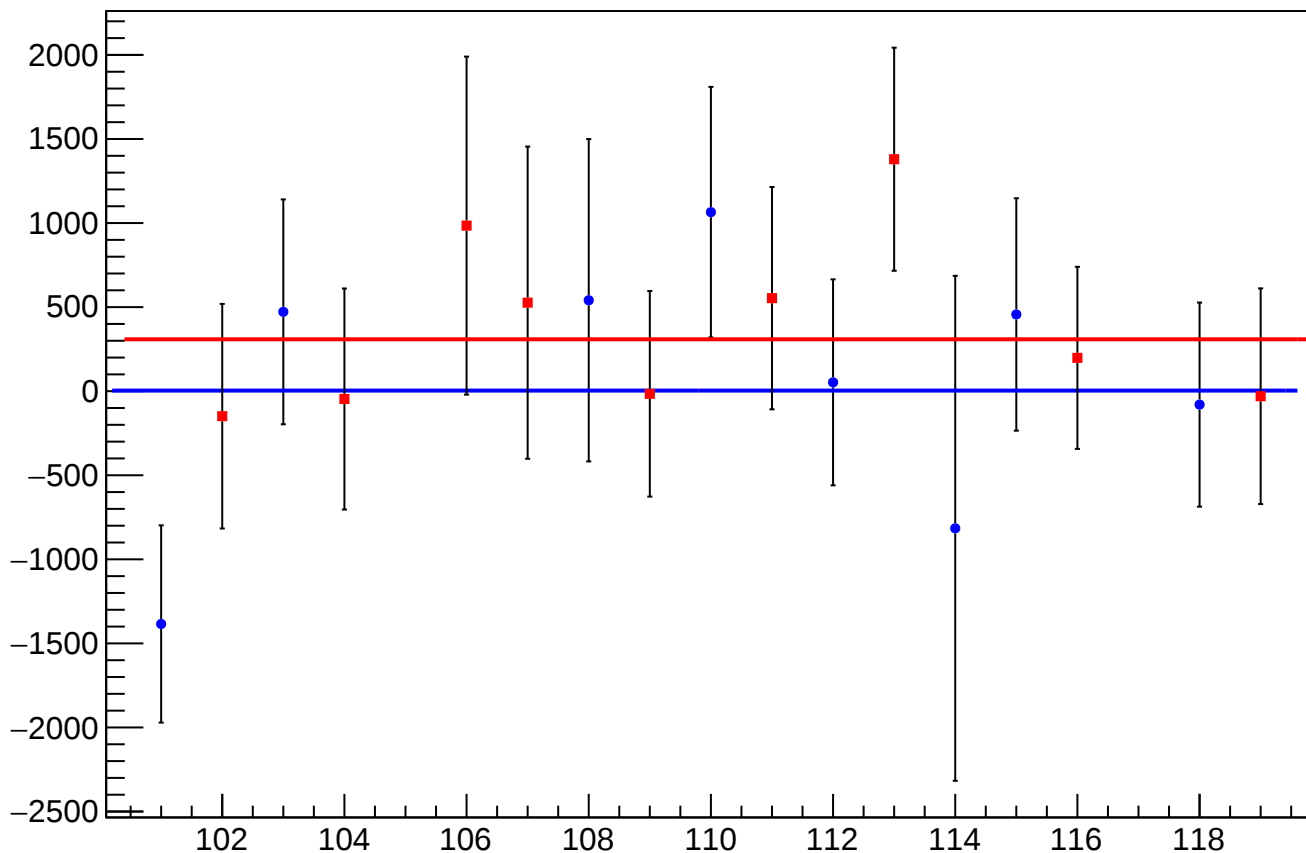
Right: 438.174+/-0.120  $\chi^2/\text{NDF}$ : 509767.1/16

In: 440.435+/-0.180  $\chi^2/\text{NDF}$ : 209008.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 438.174+/-0.120  $\chi^2/\text{NDF}$ : 509767.1/16

asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: 3.573+/-250.439  $\chi^2/\text{NDF}$ : 9.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 308.689+/-224.838  $\chi^2/\text{NDF}$ : 4.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

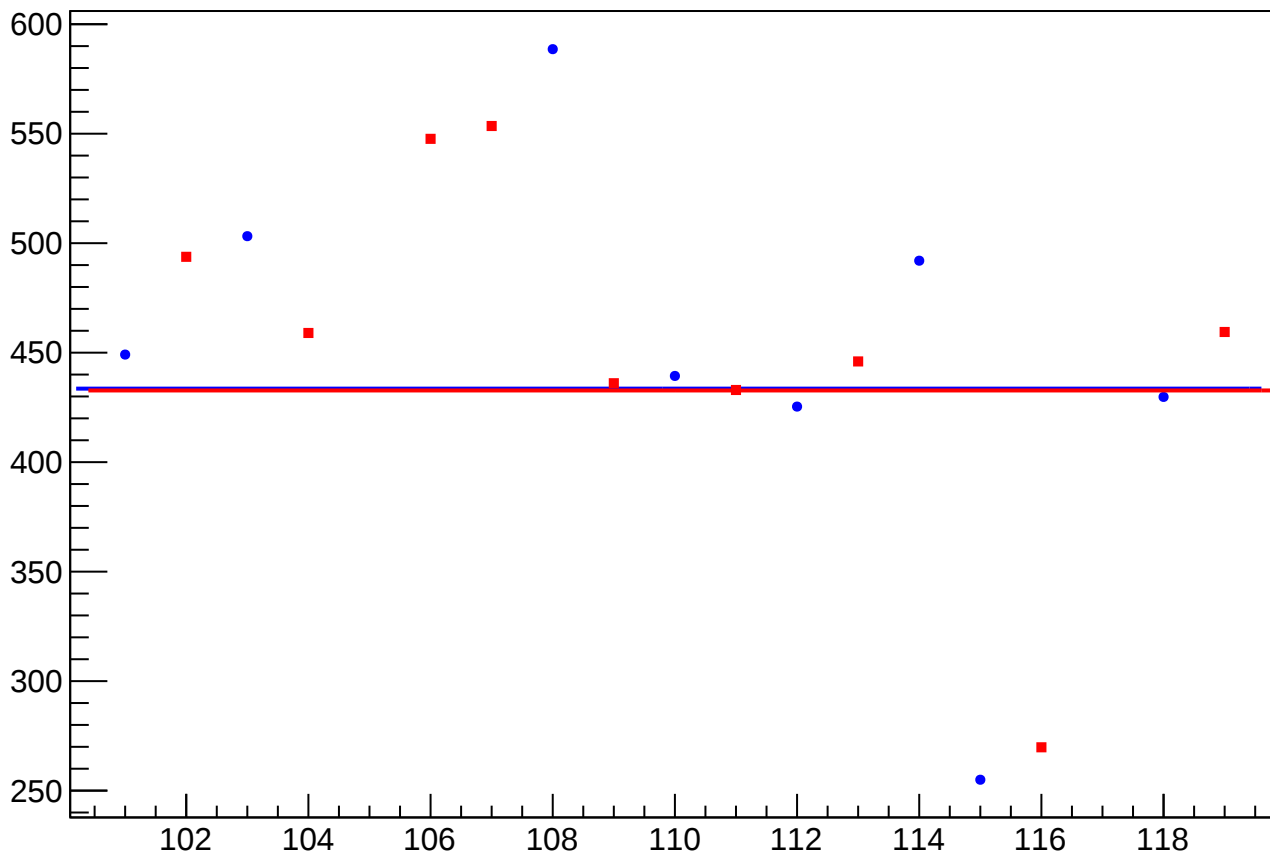
Right: 172.519+/-167.306  $\chi^2/\text{NDF}$ : 14.6/16

In: 3.573+/-250.439  $\chi^2/\text{NDF}$ : 9.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 172.519+/-167.306  $\chi^2/\text{NDF}$ : 14.6/16

asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 433.579+/-0.177  $\chi^2/\text{NDF}$ : 212477.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 432.743+/-0.159  $\chi^2/\text{NDF}$ : 265310.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

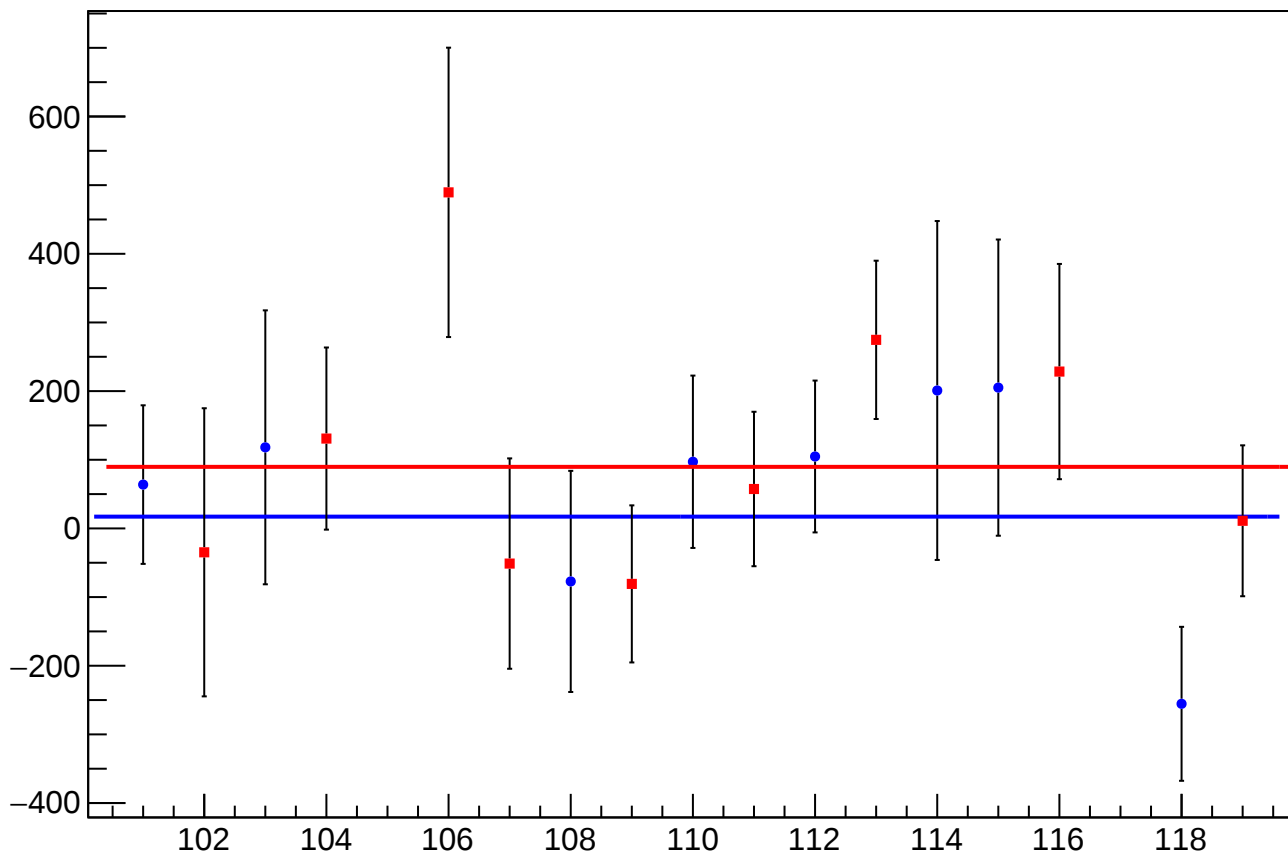
Right: 433.116+/-0.118  $\chi^2/\text{NDF}$ : 477800.5/16

In: 433.579+/-0.177  $\chi^2/\text{NDF}$ : 212477.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 433.116+/-0.118  $\chi^2/\text{NDF}$ : 477800.5/16

dit\_asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 17.172+/-49.917  $\chi^2/\text{NDF}$ : 9.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 89.683+/-44.774  $\chi^2/\text{NDF}$ : 11.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

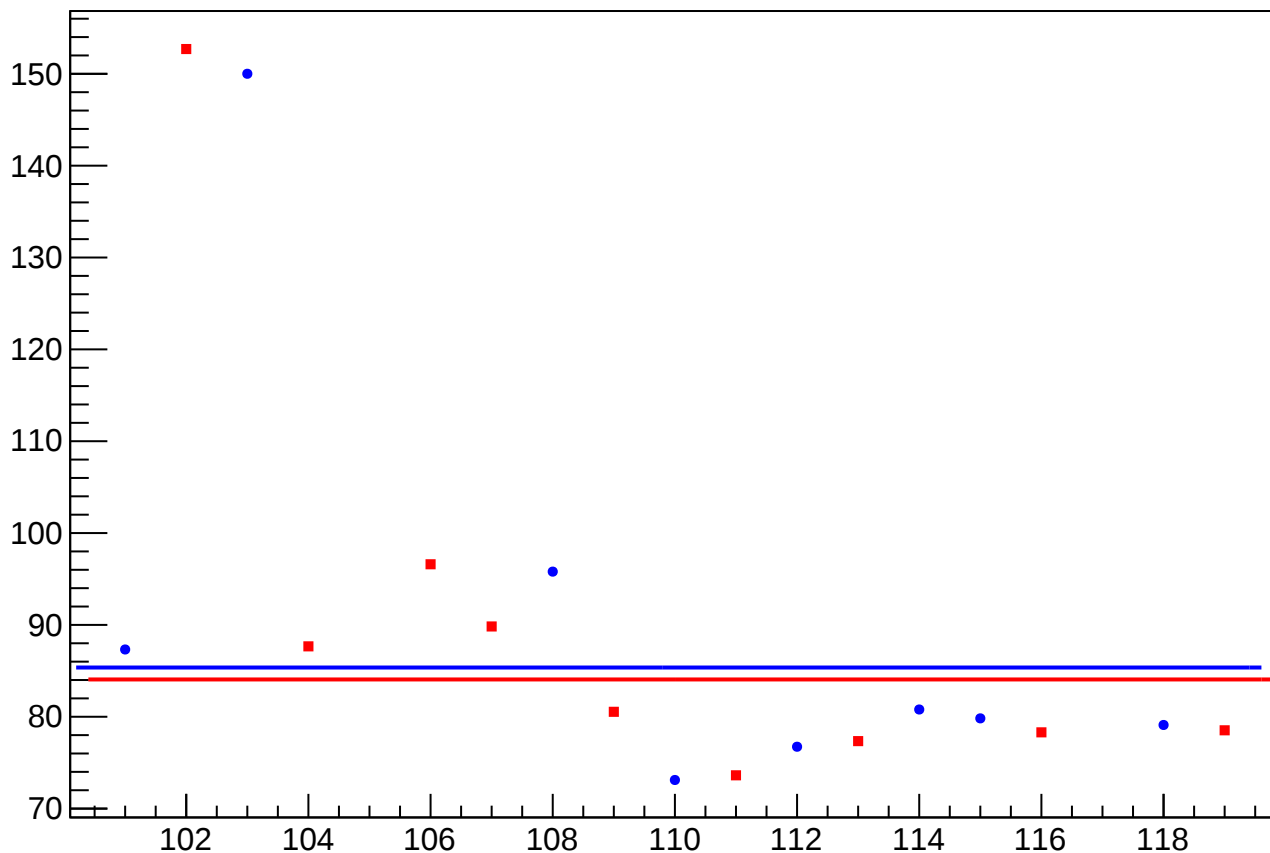
Right: 57.354+/-33.331  $\chi^2/\text{NDF}$ : 21.3/16

In: 17.172+/-49.917  $\chi^2/\text{NDF}$ : 9.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 57.354+/-33.331  $\chi^2/\text{NDF}$ : 21.3/16

dit\_asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 85.361+/-0.035  $\chi^2/\text{NDF}$ : 258403.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 84.061+/-0.032  $\chi^2/\text{NDF}$ : 259053.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

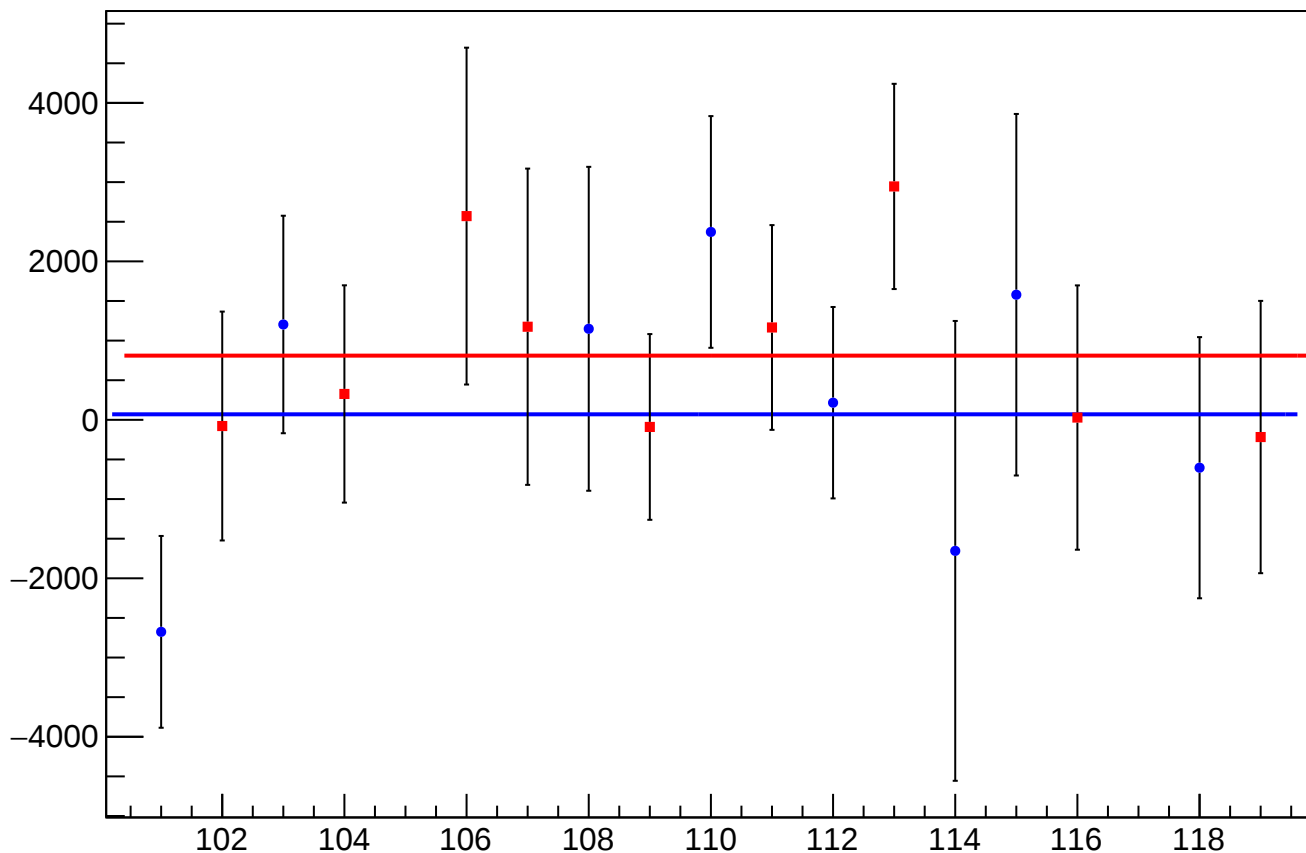
Right: 84.641+/-0.024  $\chi^2/\text{NDF}$ : 518208.6/16

In: 85.361+/-0.035  $\chi^2/\text{NDF}$ :258403.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 84.641+/-0.024  $\chi^2/\text{NDF}$ : 518208.6/16

asym\_sam\_12345678\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 69.751+/-551.745  $\chi^2/\text{NDF}$ : 9.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 810.328+/-493.583  $\chi^2/\text{NDF}$ : 5.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

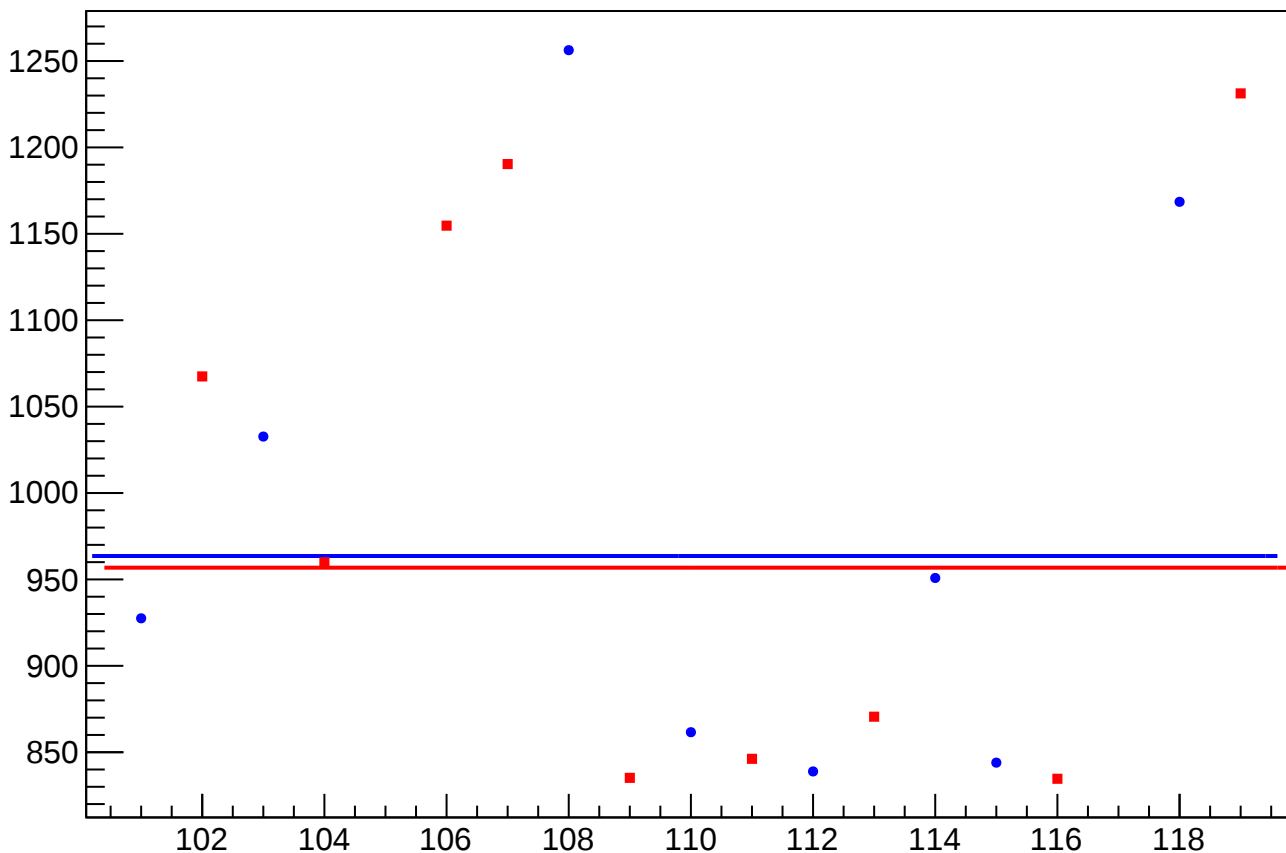
Right: 481.117+/-367.866  $\chi^2/\text{NDF}$ : 15.7/16

In: 69.751+/-551.745  $\chi^2/\text{NDF}$ : 9.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 481.117+/-367.866  $\chi^2/\text{NDF}$ : 15.7/16

asym\_sam\_12345678\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 963.545+/-0.390  $\chi^2/\text{NDF}$ : 115360.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 956.803+/-0.349  $\chi^2/\text{NDF}$ : 163292.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

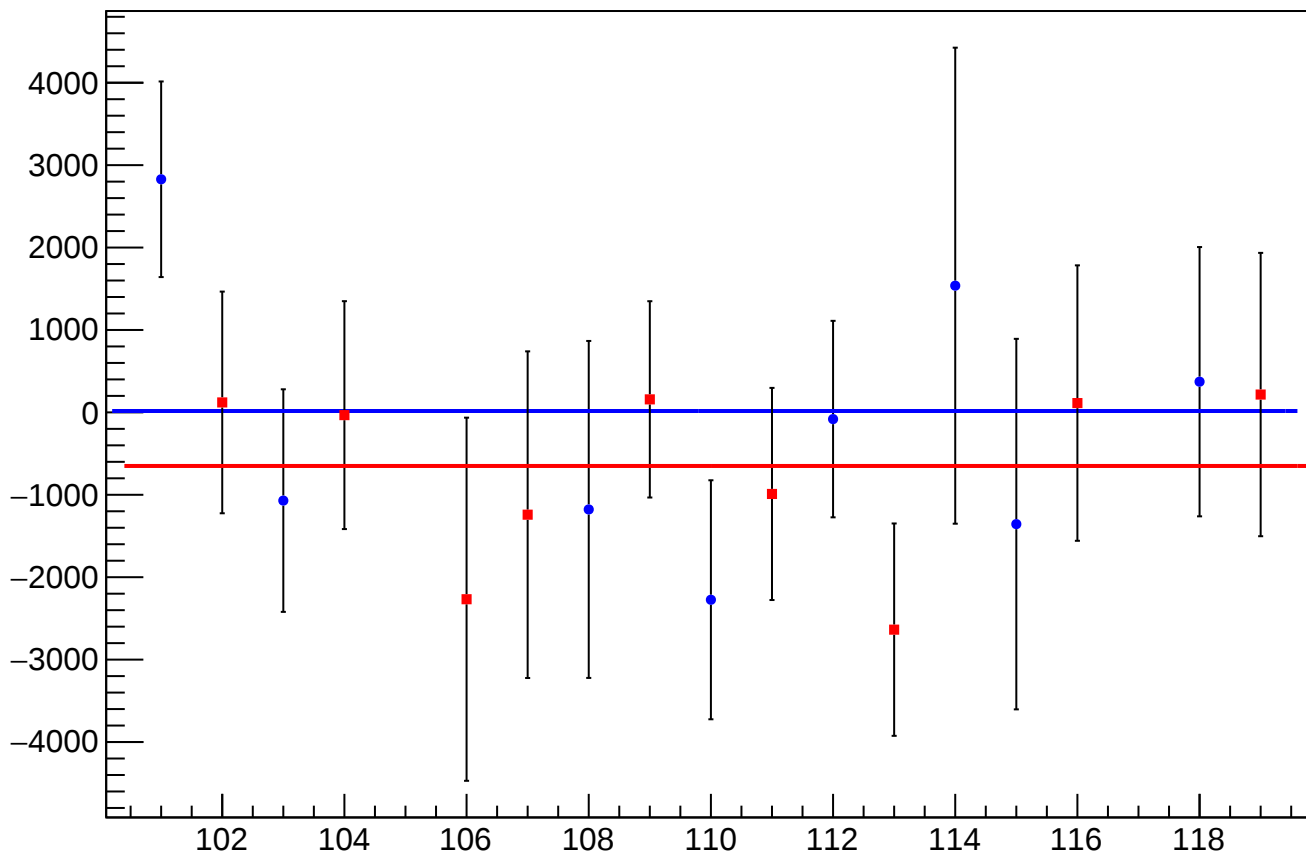
Right: 959.800+/-0.260  $\chi^2/\text{NDF}$ : 278818.9/16

In: 963.545+/-0.390  $\chi^2/\text{NDF}$ : 115360.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 959.800+/-0.260  $\chi^2/\text{NDF}$ : 278818.9/16

asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 16.737+/-544.794  $\chi^2/\text{NDF}$ : 9.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -650.211+/-491.225  $\chi^2/\text{NDF}$ : 4.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

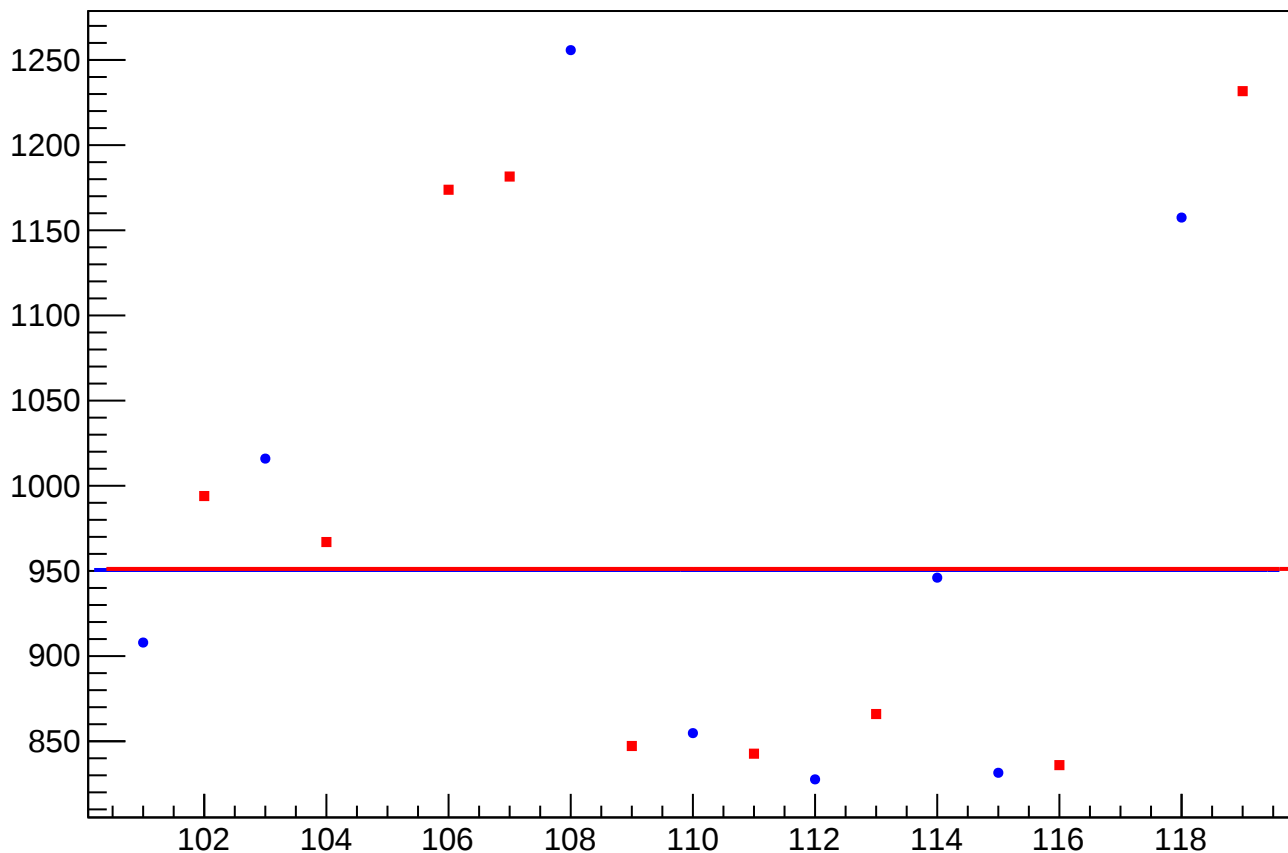
Right: -351.131+/-364.822  $\chi^2/\text{NDF}$ : 15.2/16

In: 16.737+/-544.794  $\chi^2/\text{NDF}$ : 9.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -351.131+/-364.822  $\chi^2/\text{NDF}$ : 15.2/16

asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 950.556+/-0.385  $\chi^2/\text{NDF}$ : 119530.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 951.180+/-0.347  $\chi^2/\text{NDF}$ : 150681.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

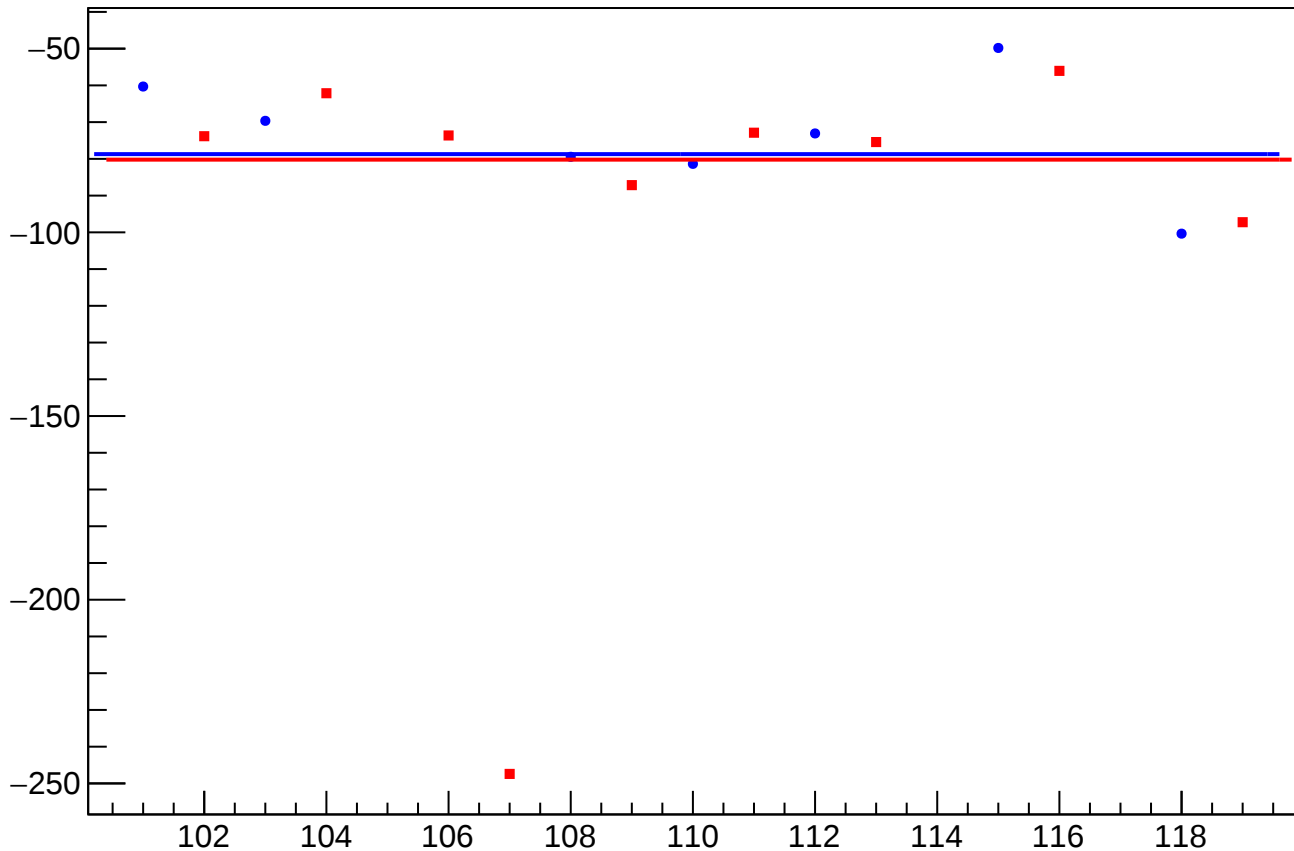
Right: 950.900+/-0.258  $\chi^2/\text{NDF}$ : 270213.5/16

In: 950.556+/-0.385  $\chi^2/\text{NDF}$ : 119530.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 950.900+/-0.258  $\chi^2/\text{NDF}$ : 270213.5/16

# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In: -78.711 $\pm$ 0.156  $\chi^2$ /NDF: 9005.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -80.210 $\pm$ 0.122  $\chi^2$ /NDF: 31894.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

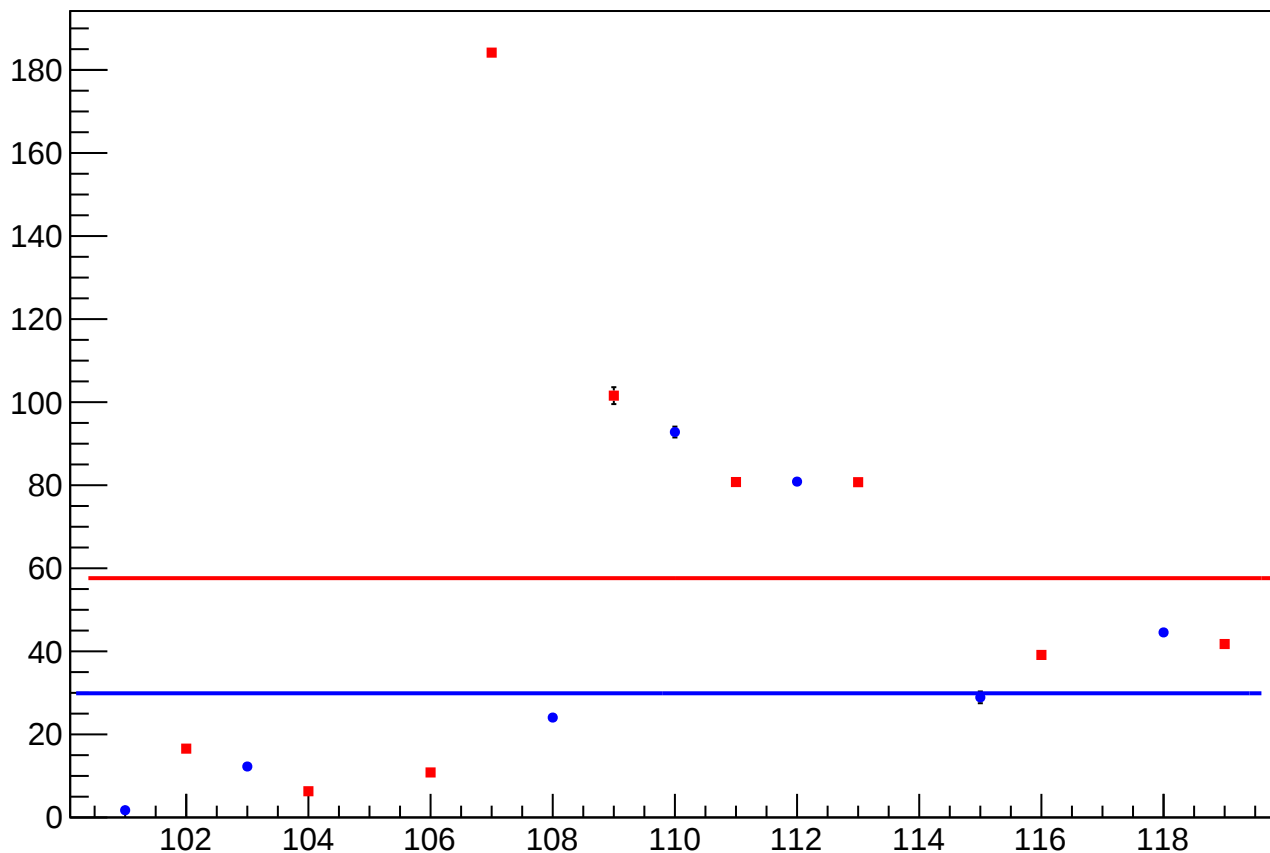
Right: -79.638 $\pm$ 0.096  $\chi^2$ /NDF: 40956.6/15

In: -78.711 $\pm$ 0.156  $\chi^2$ /NDF: 9005.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -79.638 $\pm$ 0.096  $\chi^2$ /NDF: 40956.6/15

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 29.898+/-0.144  $\chi^2/\text{NDF}$ : 32738.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 57.621+/-0.143  $\chi^2/\text{NDF}$ : 61463.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

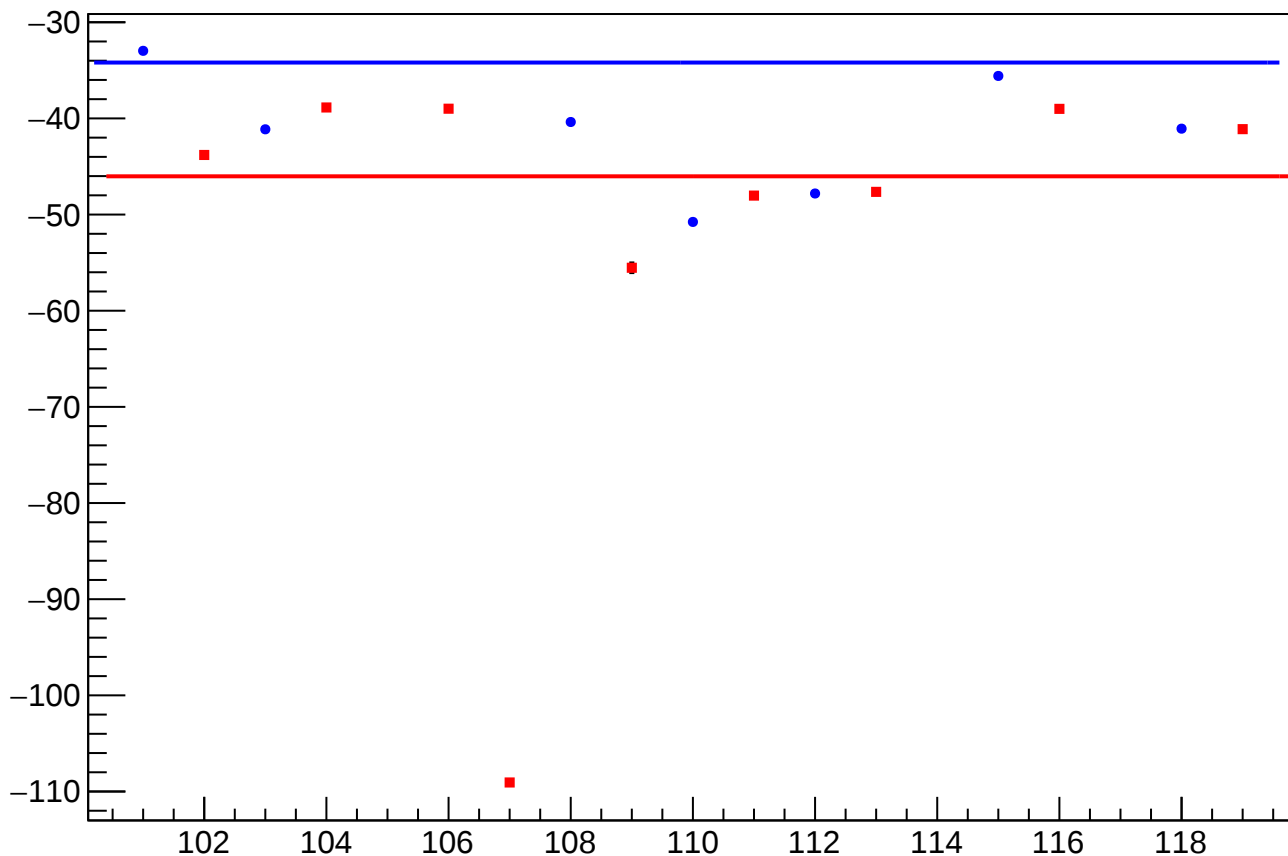
Right: 43.818+/-0.101  $\chi^2/\text{NDF}$ : 112872.9/15

In: 29.898+/-0.144  $\chi^2/\text{NDF}$ : 32738.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 43.818+/-0.101  $\chi^2/\text{NDF}$ : 112872.9/15

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -34.191+/-0.015  $\chi^2/\text{NDF}$ : 58254.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -46.022+/-0.030  $\chi^2/\text{NDF}$ : 234467.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

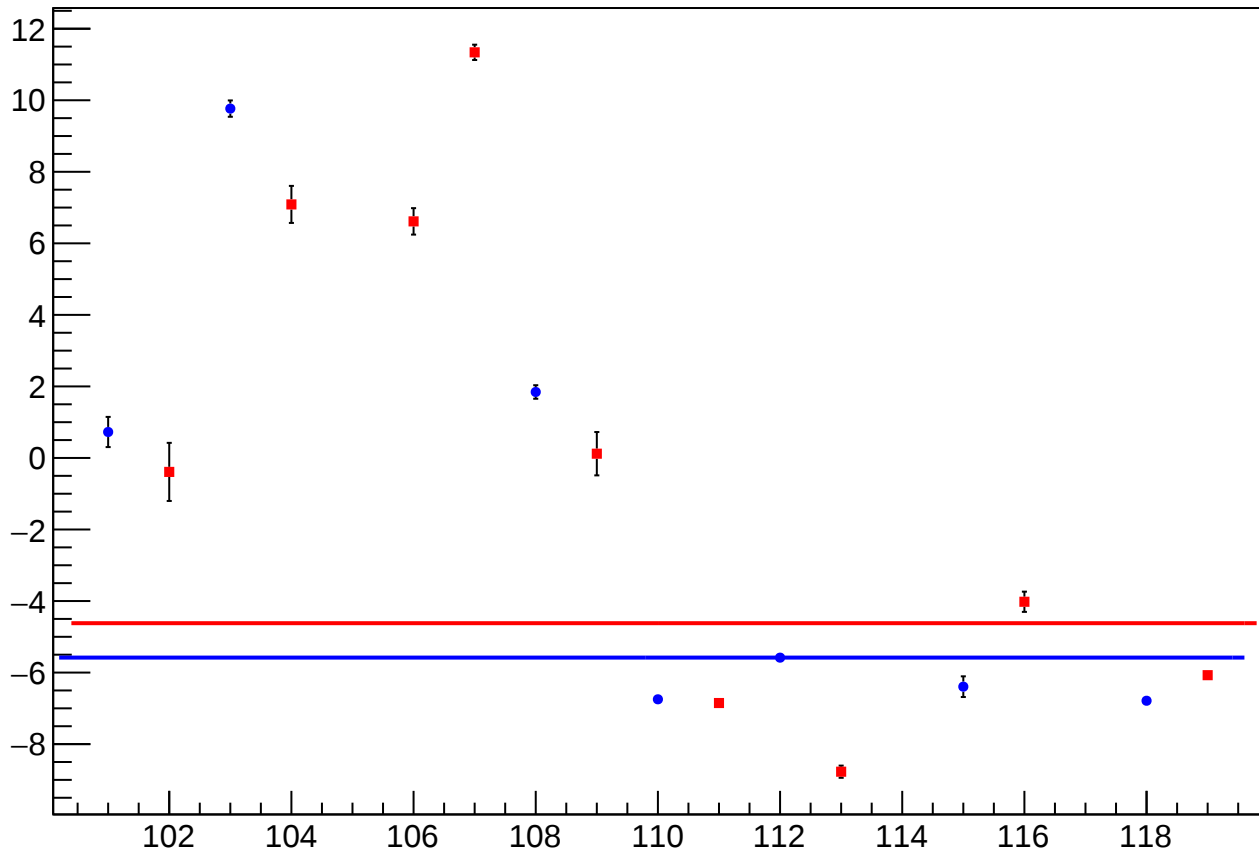
Right: -36.479+/-0.013  $\chi^2/\text{NDF}$ : 418910.0/15

In: -34.191+/-0.015  $\chi^2/\text{NDF}$ : 58254.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -36.479+/-0.013  $\chi^2/\text{NDF}$ : 418910.0/15

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -5.581+/-0.038  $\chi^2/\text{NDF}$ : 6920.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.619+/-0.058  $\chi^2/\text{NDF}$ : 8301.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

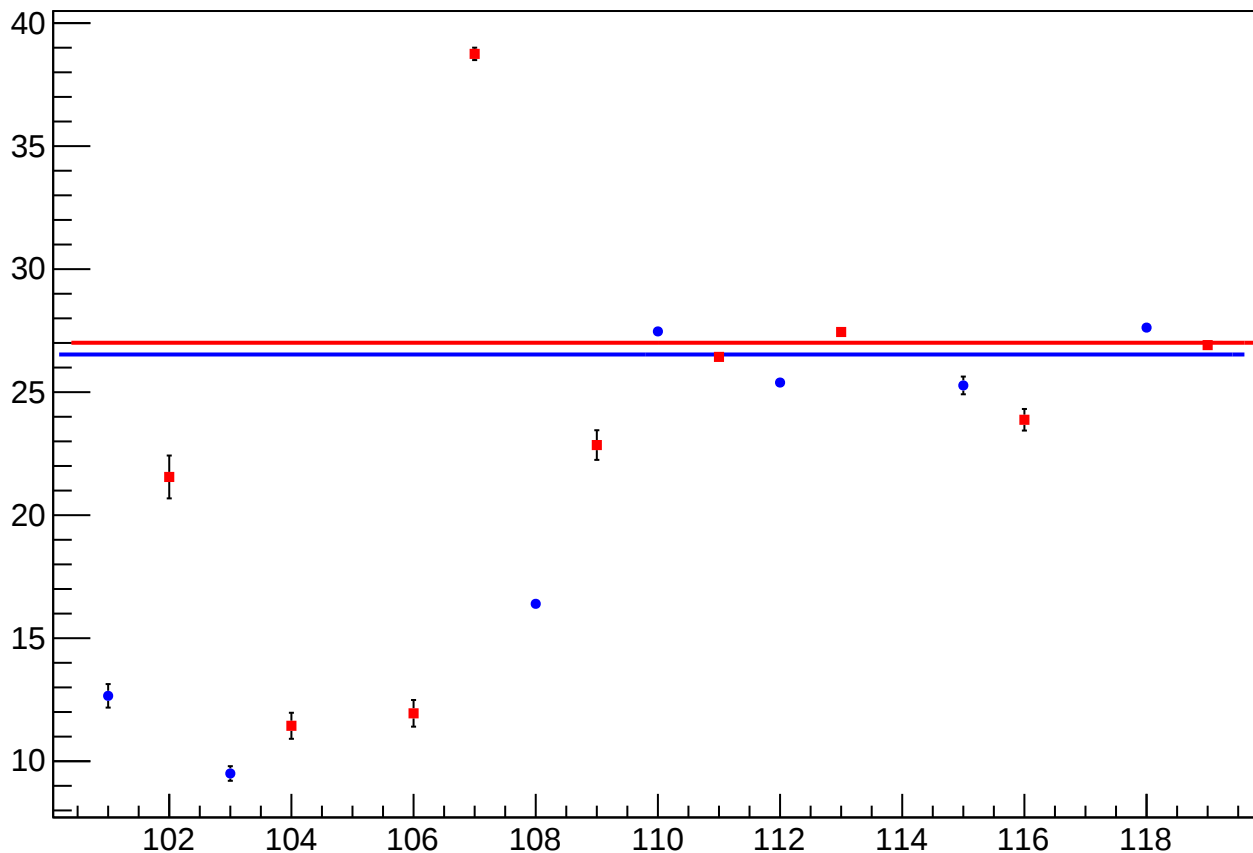
Right: -5.297+/-0.032  $\chi^2/\text{NDF}$ : 15415.2/15

In: -5.581+/-0.038  $\chi^2/\text{NDF}$ : 6920.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.297+/-0.032  $\chi^2/\text{NDF}$ : 15415.2/15

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 26.531+/-0.036  $\chi^2/\text{NDF}$ : 7992.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.008+/-0.045  $\chi^2/\text{NDF}$ : 3969.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

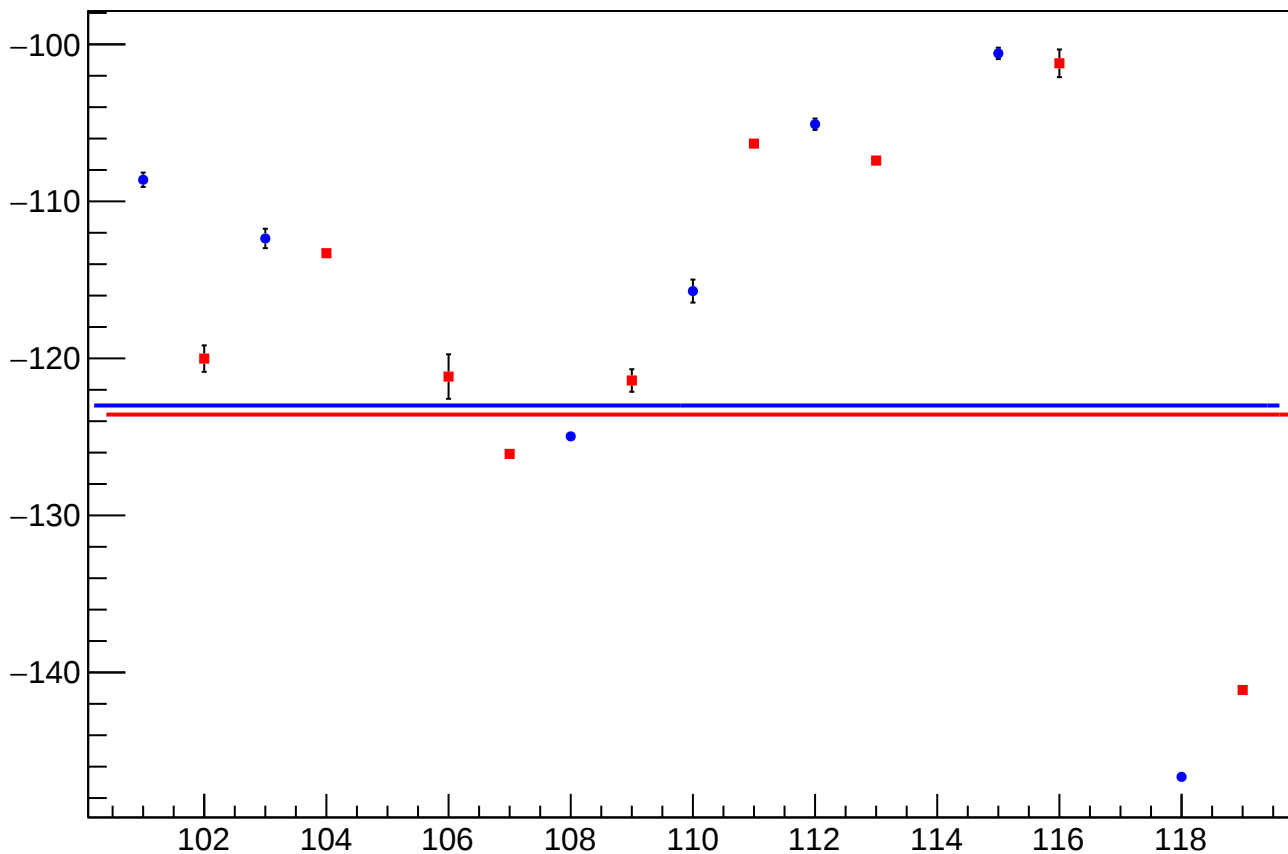
Right: 26.716+/-0.028  $\chi^2/\text{NDF}$ : 12029.6/15

In: 26.531+/-0.036  $\chi^2/\text{NDF}$ : 7992.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 26.716+/-0.028  $\chi^2/\text{NDF}$ : 12029.6/15

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In: -123.000+/-0.130  $\chi^2/\text{NDF}$ : 16682.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -123.577+/-0.108  $\chi^2/\text{NDF}$ : 18328.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

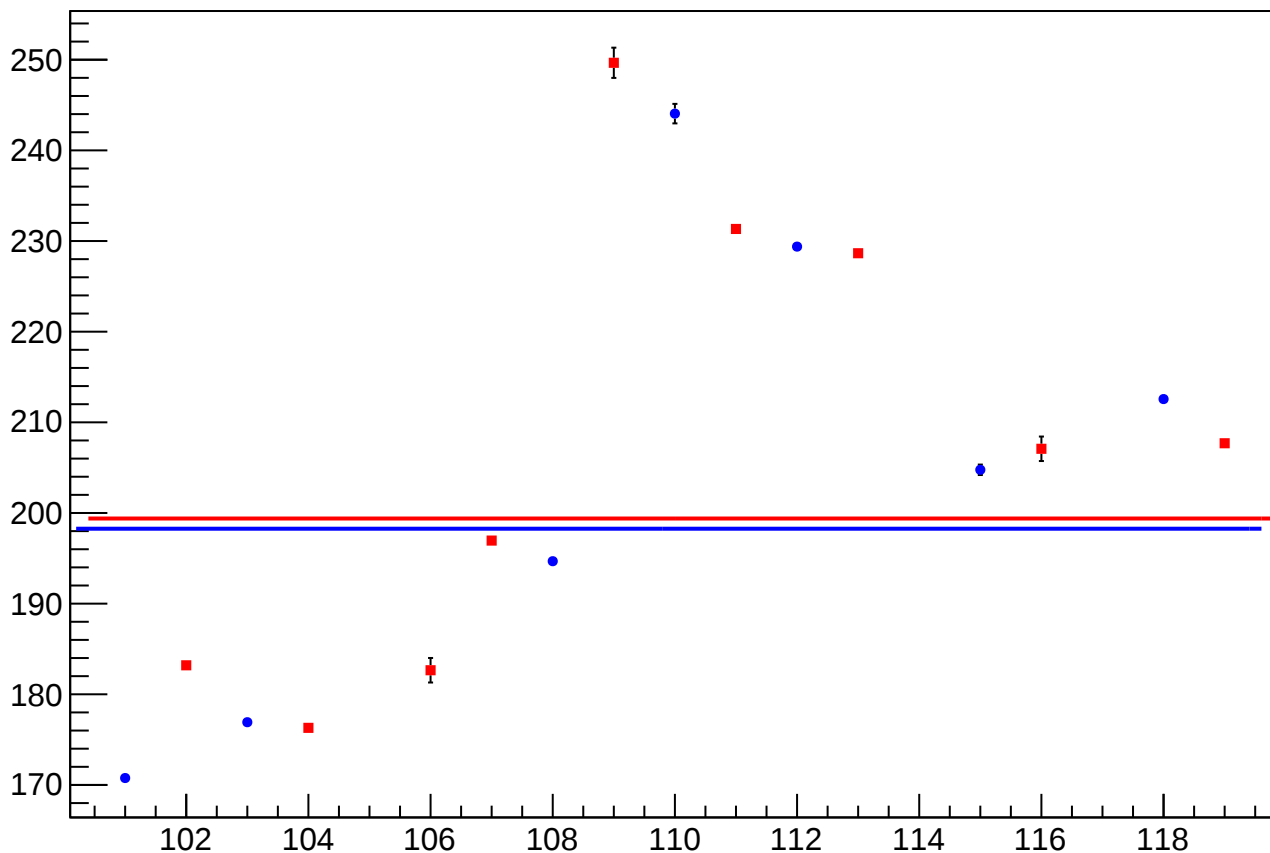
Right: -123.340+/-0.083  $\chi^2/\text{NDF}$ : 35022.9/15

In: -123.000+/-0.130  $\chi^2/\text{NDF}$ : 16682.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -123.340+/-0.083  $\chi^2/\text{NDF}$ : 35022.9/15

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 198.265+/-0.120  $\chi^2/\text{NDF}$ : 20943.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 199.390+/-0.104  $\chi^2/\text{NDF}$ : 32127.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

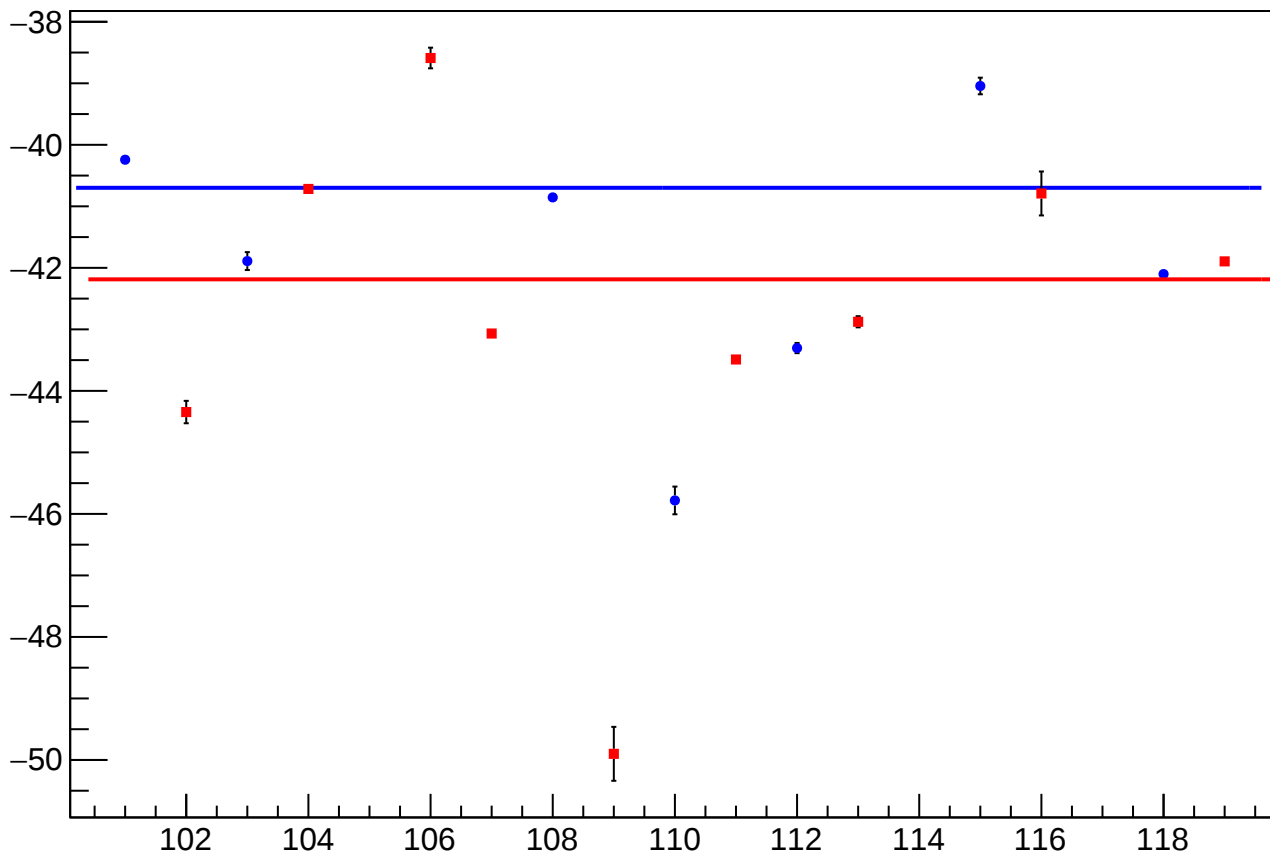
Right: 198.904+/-0.079  $\chi^2/\text{NDF}$ : 53121.2/15

In: 198.265+/-0.120  $\chi^2/\text{NDF}$ : 20943.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 198.904+/-0.079  $\chi^2/\text{NDF}$ : 53121.2/15

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-40.699 \pm 0.019$   $\chi^2/\text{NDF}$ : 2696.4/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-42.187 \pm 0.028$   $\chi^2/\text{NDF}$ : 2130.3/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

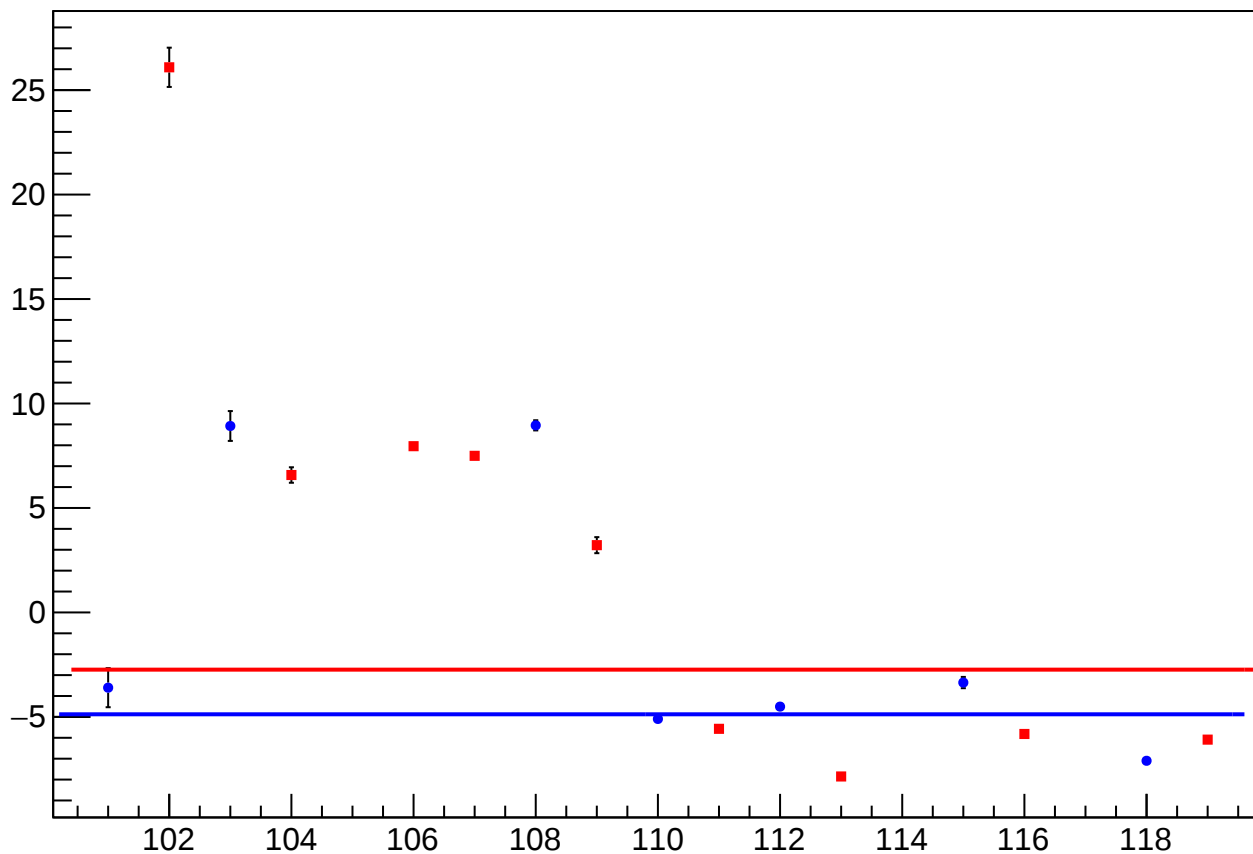
Right:  $-41.161 \pm 0.016$   $\chi^2/\text{NDF}$ : 6740.4/15

In:  $-40.699 \pm 0.019$   $\chi^2/\text{NDF}$ : 2696.4/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-41.161 \pm 0.016$   $\chi^2/\text{NDF}$ : 6740.4/15

# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In: -4.875+/-0.059  $\chi^2/\text{NDF}$ : 4341.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.738+/-0.038  $\chi^2/\text{NDF}$ : 23283.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

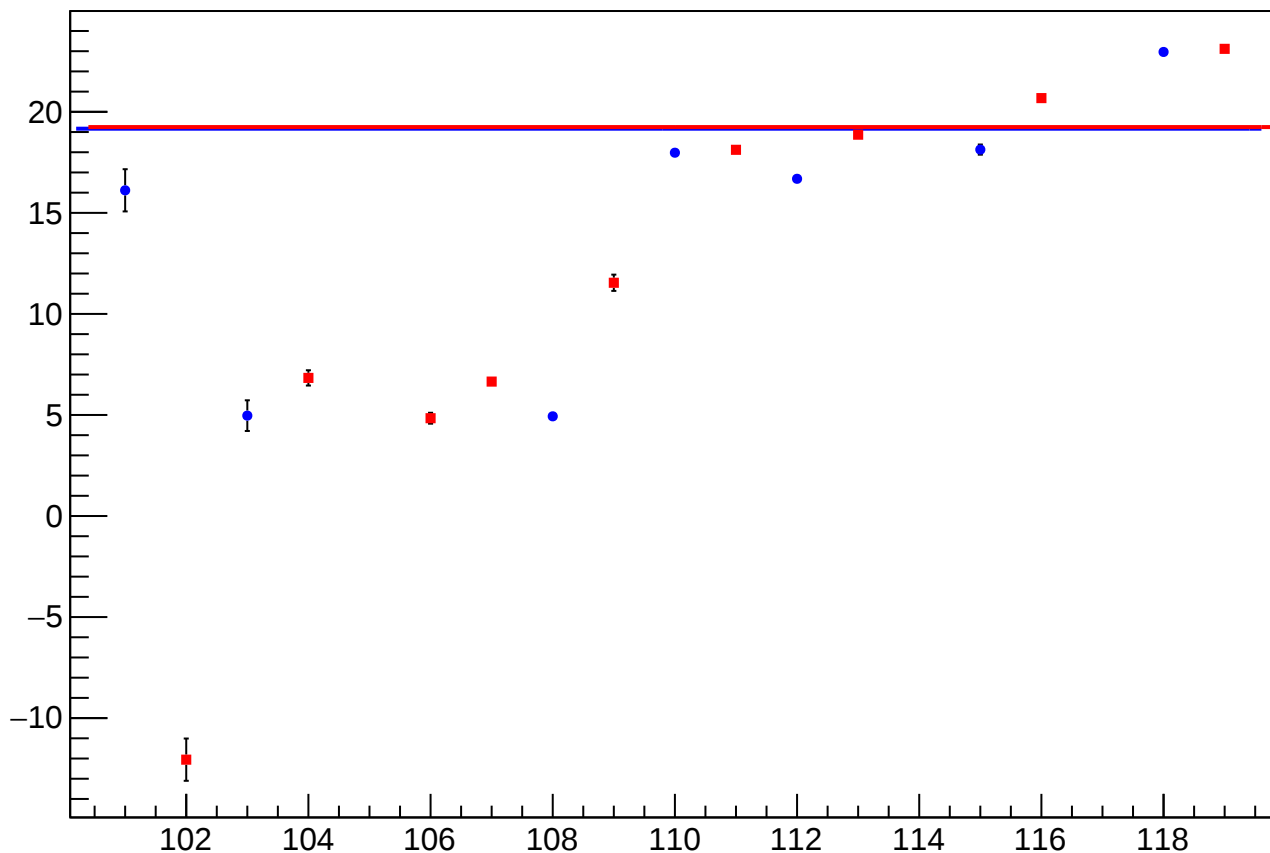
Right: -3.367+/-0.032  $\chi^2/\text{NDF}$ : 28549.0/15

In: -4.875+/-0.059  $\chi^2/\text{NDF}$ : 4341.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.367+/-0.032  $\chi^2/\text{NDF}$ : 28549.0/15

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 19.166+/-0.067  $\chi^2$ /NDF: 5881.0/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 19.246+/-0.034  $\chi^2$ /NDF: 25059.3/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

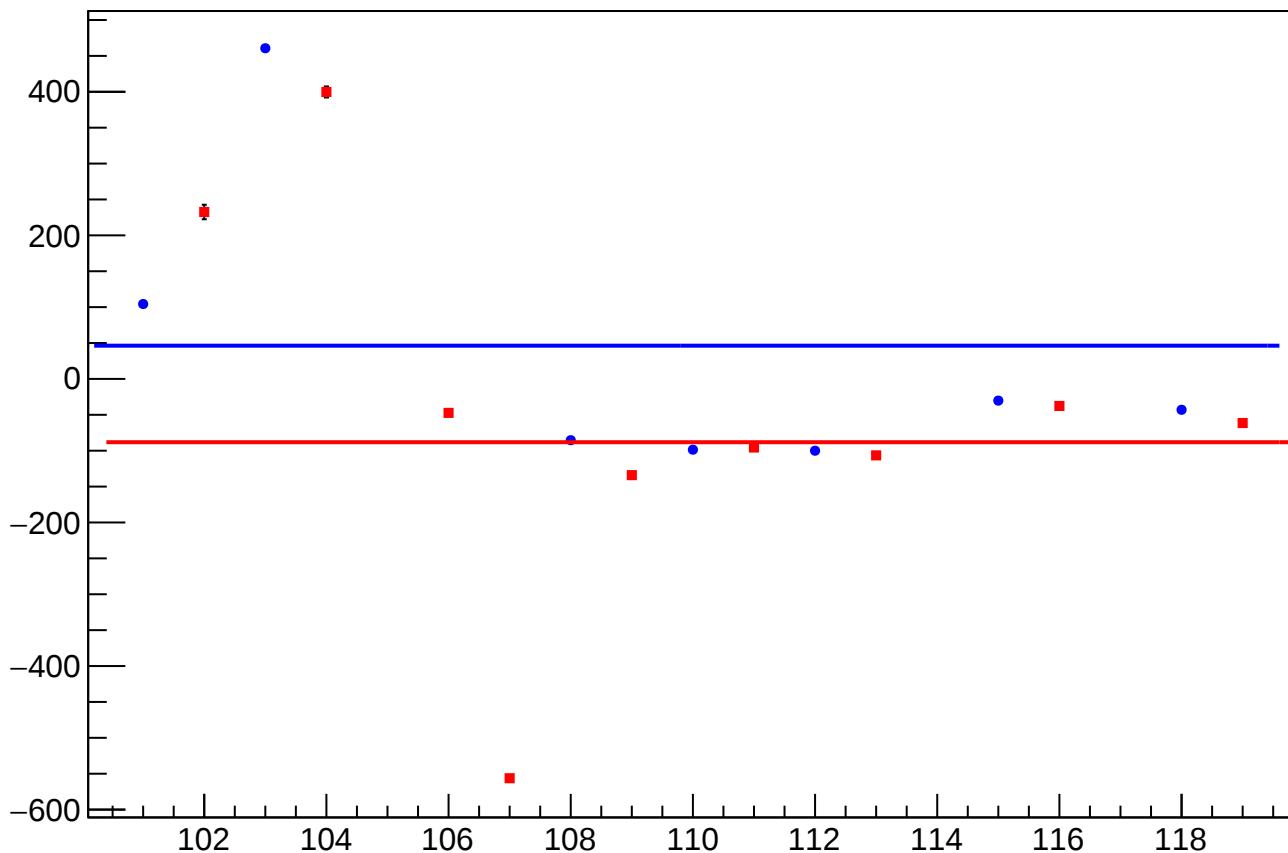
Right: 19.229+/-0.031  $\chi^2$ /NDF: 30941.4/15

In: 19.166+/-0.067  $\chi^2$ /NDF:5881.0/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 19.229+/-0.031  $\chi^2$ /NDF: 30941.4/15

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 46.296+/-0.321  $\chi^2/\text{NDF}$ : 378745.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -88.180+/-0.346  $\chi^2/\text{NDF}$ : 27271.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

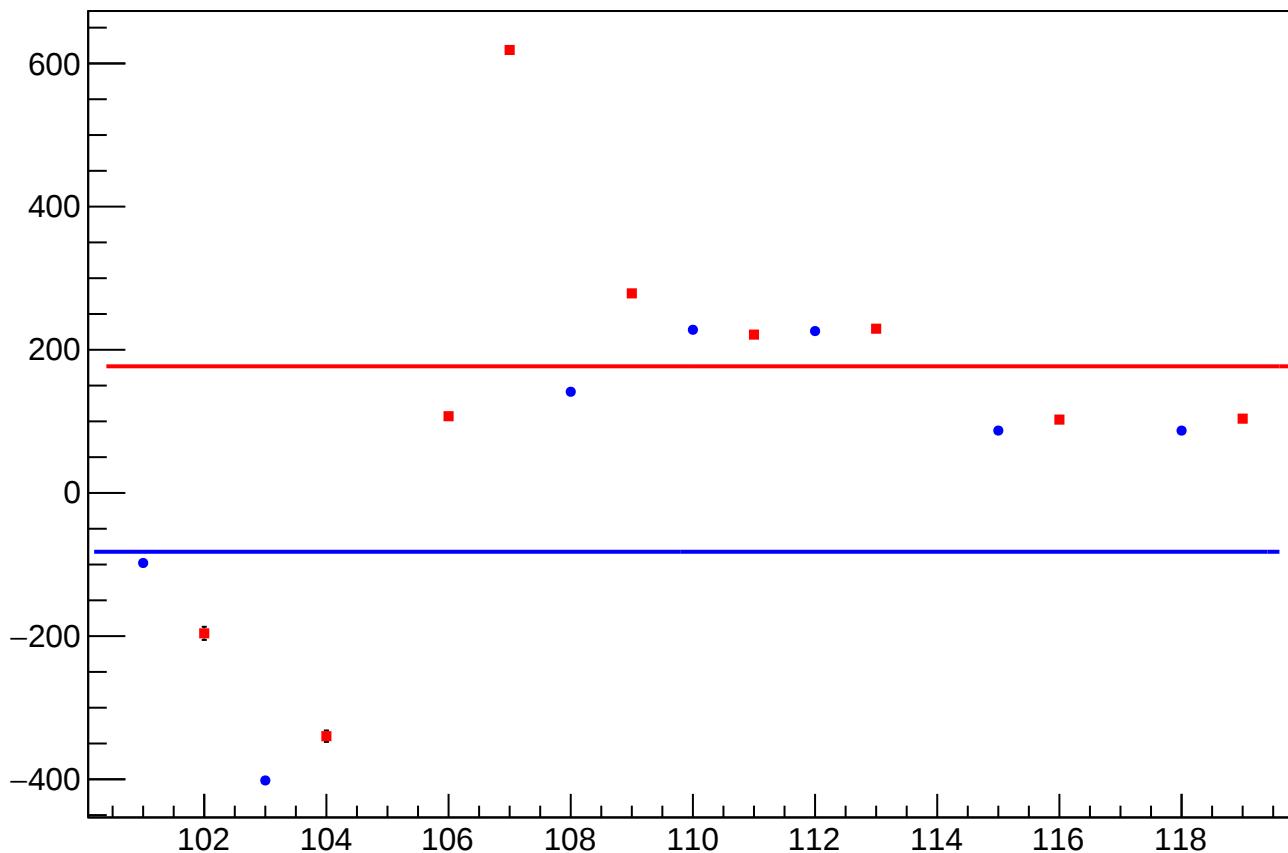
Right: -15.944+/-0.235  $\chi^2/\text{NDF}$ : 487231.8/15

In: 46.296+/-0.321  $\chi^2/\text{NDF}$ : 378745.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -15.944+/-0.235  $\chi^2/\text{NDF}$ : 487231.8/15

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: -82.159+/-0.235  $\chi^2/\text{NDF}$ : 776420.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 176.901+/-0.427  $\chi^2/\text{NDF}$ : 44640.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

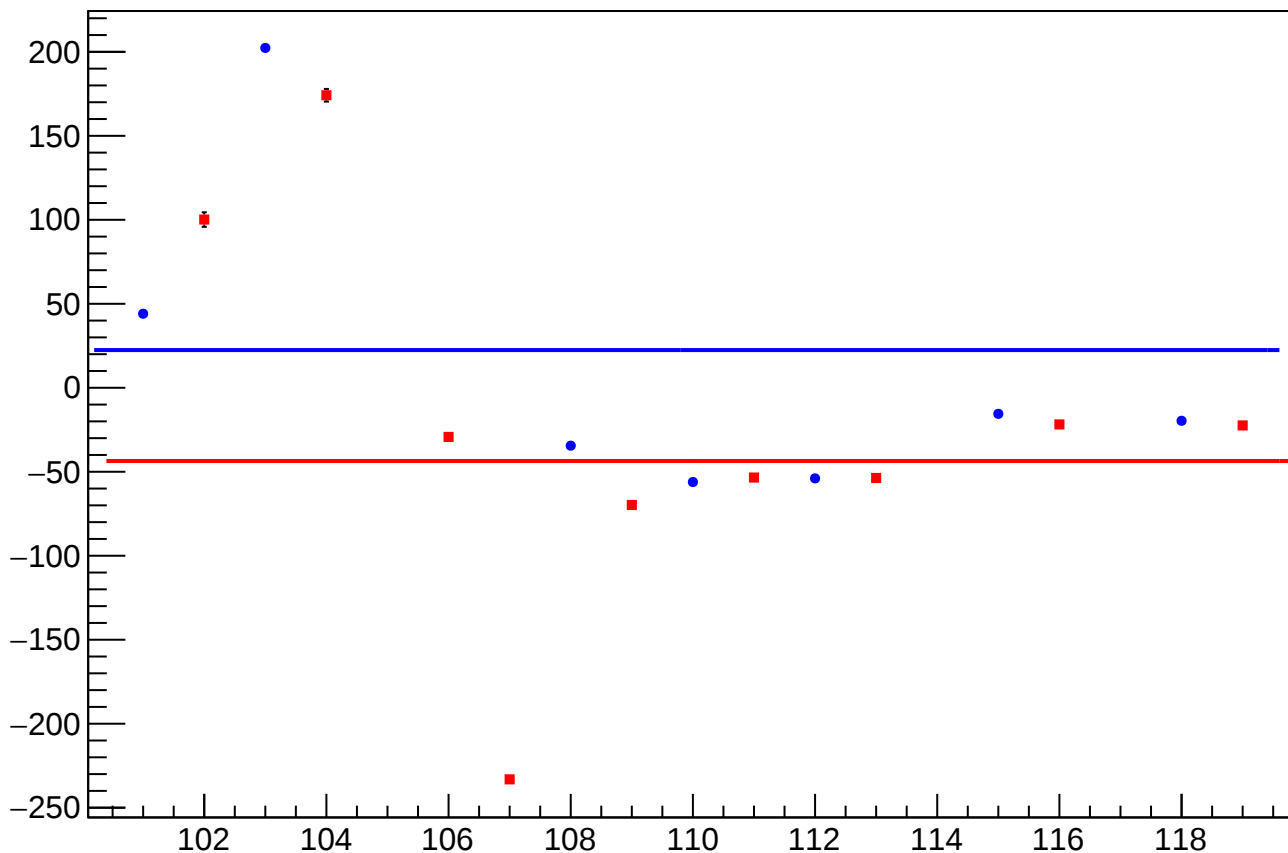
Right: -21.988+/-0.206  $\chi^2/\text{NDF}$ : 1103750.7/15

In: -82.159+/-0.235  $\chi^2/\text{NDF}$ : 776420.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -21.988+/-0.206  $\chi^2/\text{NDF}$ : 1103750.7/15

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 22.446+/-0.036  $\chi^2/\text{NDF}$ : 2817570.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -43.569+/-0.081  $\chi^2/\text{NDF}$ : 87774.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

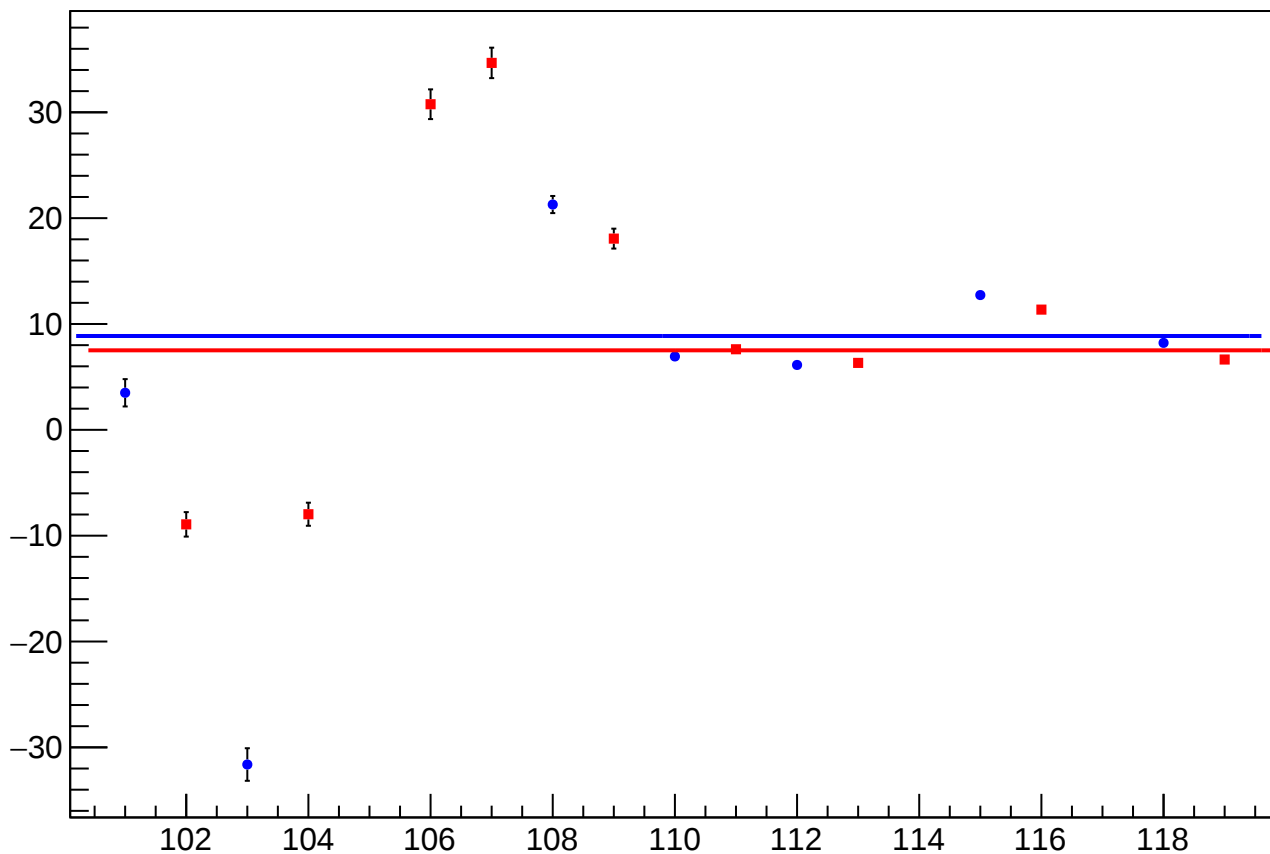
Right: 11.472+/-0.033  $\chi^2/\text{NDF}$ : 3463895.3/15

In: 22.446+/-0.036  $\chi^2/\text{NDF}$ : 2817570.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.472+/-0.033  $\chi^2/\text{NDF}$ : 3463895.3/15

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.866+/-0.109  $\chi^2/\text{NDF}$ : 1315.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.512+/-0.076  $\chi^2/\text{NDF}$ : 1369.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

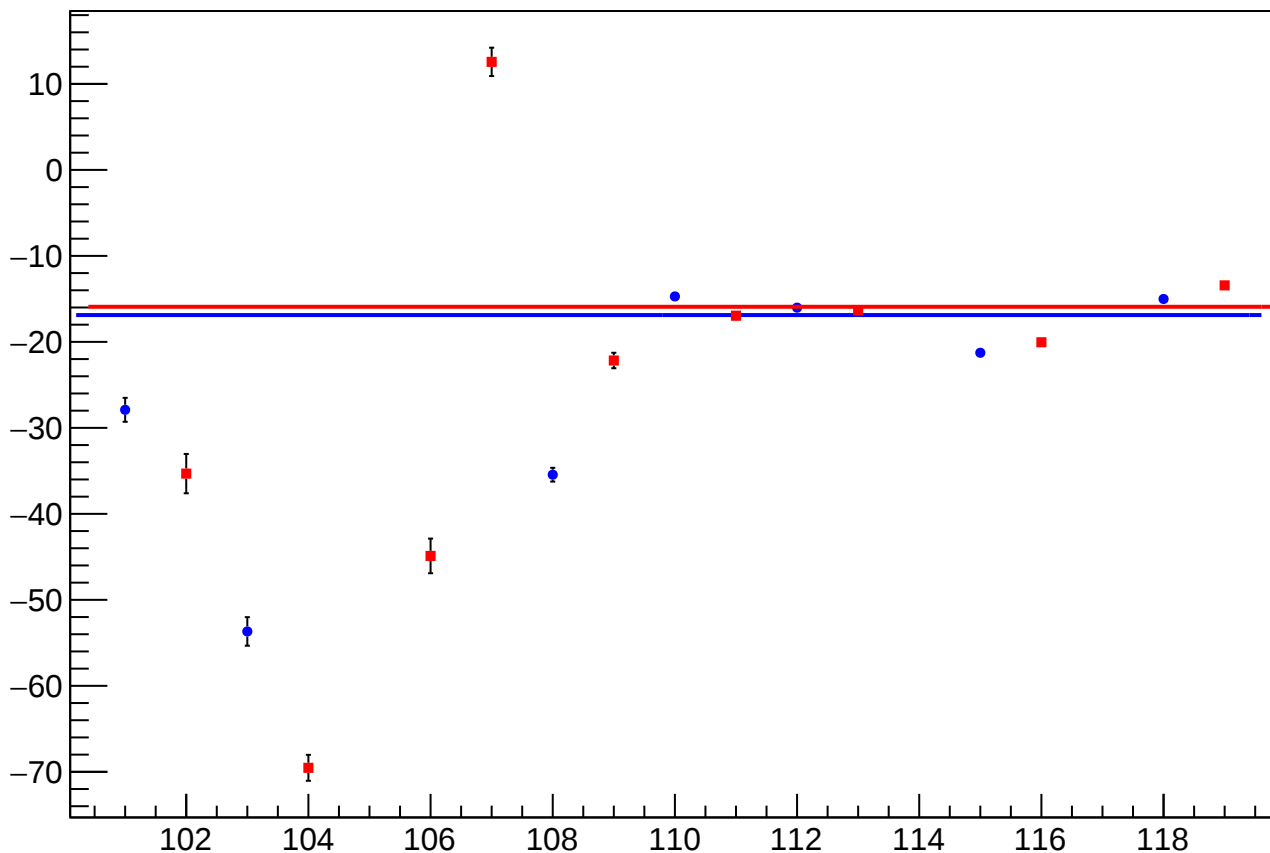
Right: 7.953+/-0.062  $\chi^2/\text{NDF}$ : 2788.2/15

In: 8.866+/-0.109  $\chi^2/\text{NDF}$ : 1315.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.953+/-0.062  $\chi^2/\text{NDF}$ : 2788.2/15

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In: -16.881 $\pm$ 0.096  $\chi^2$ /NDF: 1828.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -15.918 $\pm$ 0.085  $\chi^2$ /NDF: 2587.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

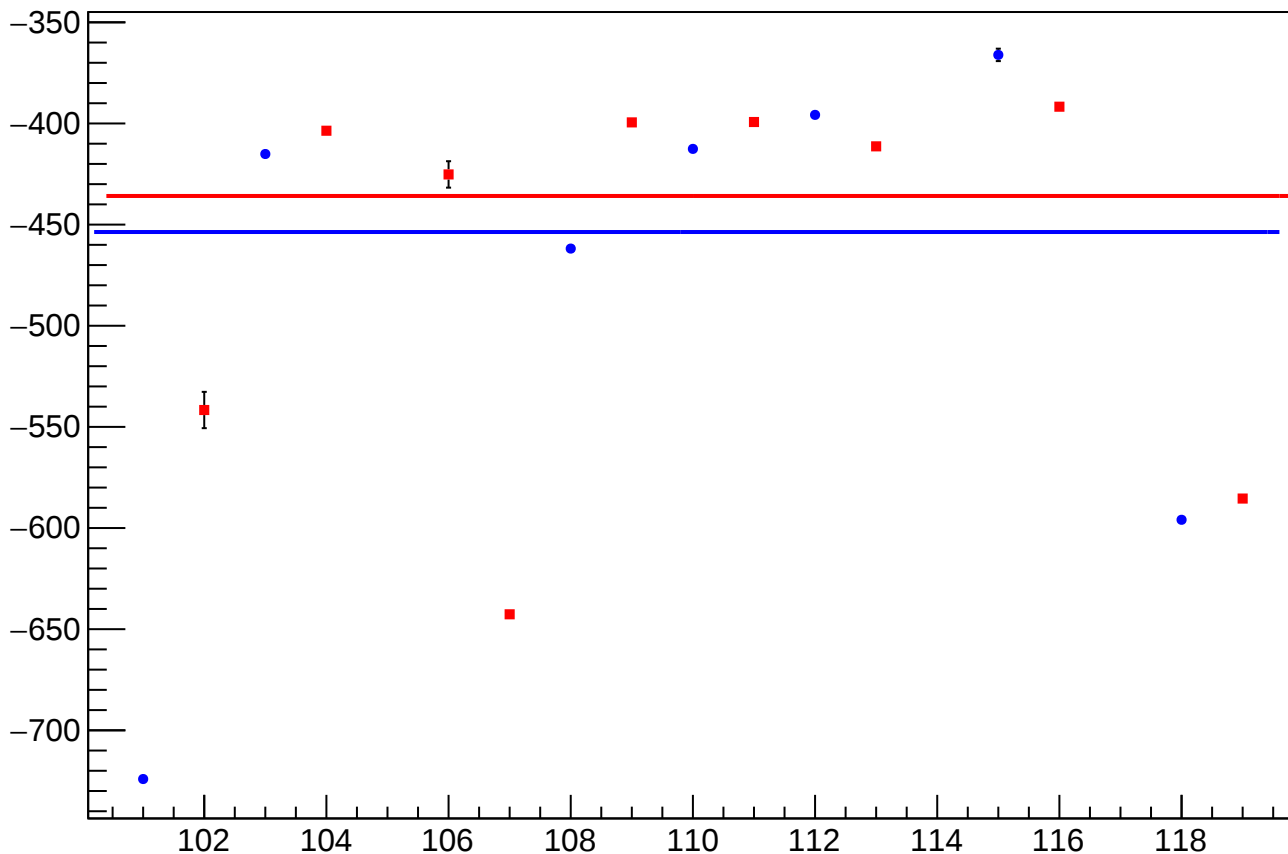
Right: -16.339 $\pm$ 0.064  $\chi^2$ /NDF: 4472.8/15

In: -16.881 $\pm$ 0.096  $\chi^2$ /NDF: 1828.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -16.339 $\pm$ 0.064  $\chi^2$ /NDF: 4472.8/15

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -453.662+/-0.309  $\chi^2/\text{NDF}$ : 85447.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -435.843+/-0.217  $\chi^2/\text{NDF}$ : 105443.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

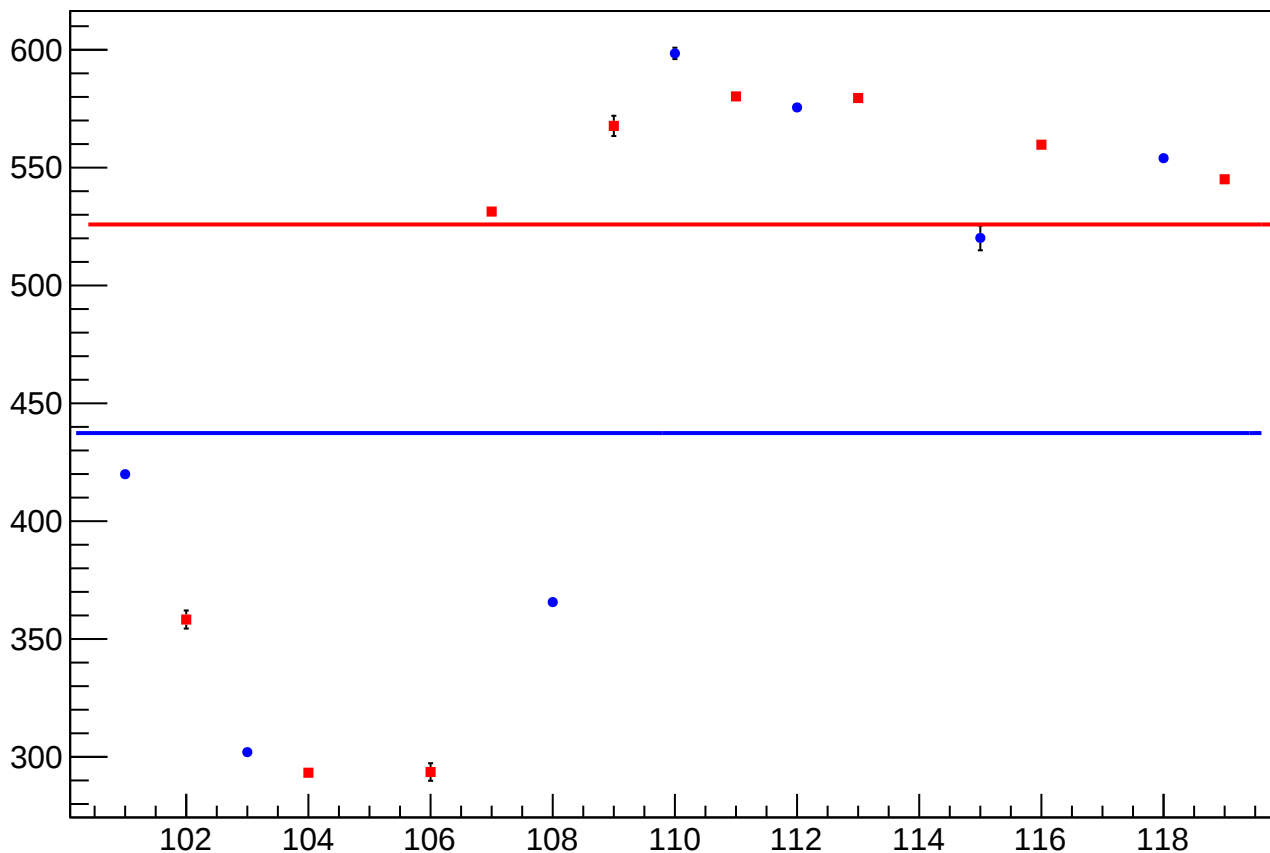
Right: -441.749+/-0.178  $\chi^2/\text{NDF}$ : 193119.7/15

In: -453.662+/-0.309  $\chi^2/\text{NDF}$ : 85447.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -441.749+/-0.178  $\chi^2/\text{NDF}$ : 193119.7/15

# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 437.381+/-0.297  $\chi^2/\text{NDF}$ : 125678.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 525.888+/-0.258  $\chi^2/\text{NDF}$ : 146116.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

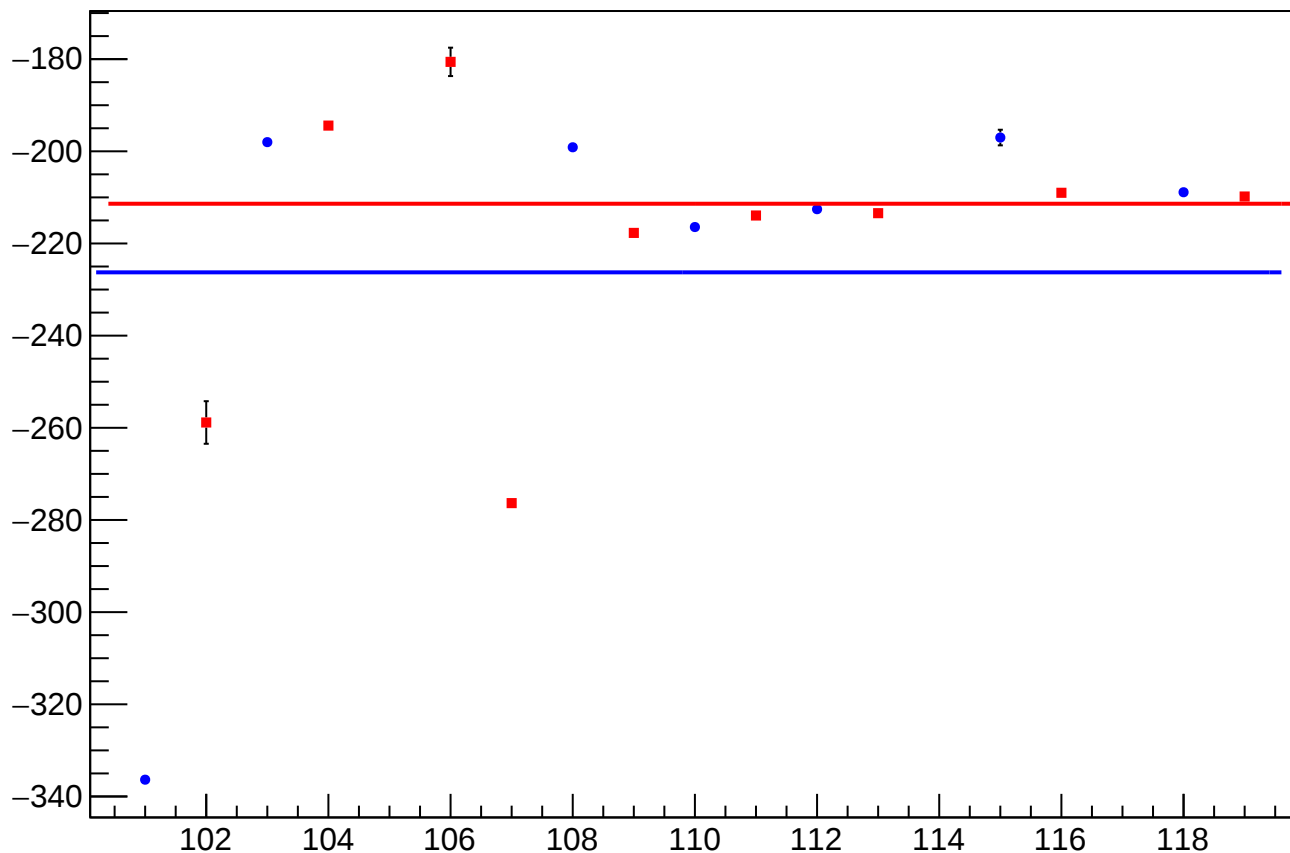
Right: 487.832+/-0.195  $\chi^2/\text{NDF}$ : 322379.7/15

In: 437.381+/-0.297  $\chi^2/\text{NDF}$ :125678.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 487.832+/-0.195  $\chi^2/\text{NDF}$ : 322379.7/15

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -226.266+/-0.090  $\chi^2/\text{NDF}$ : 241472.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -211.377+/-0.057  $\chi^2/\text{NDF}$ : 82604.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

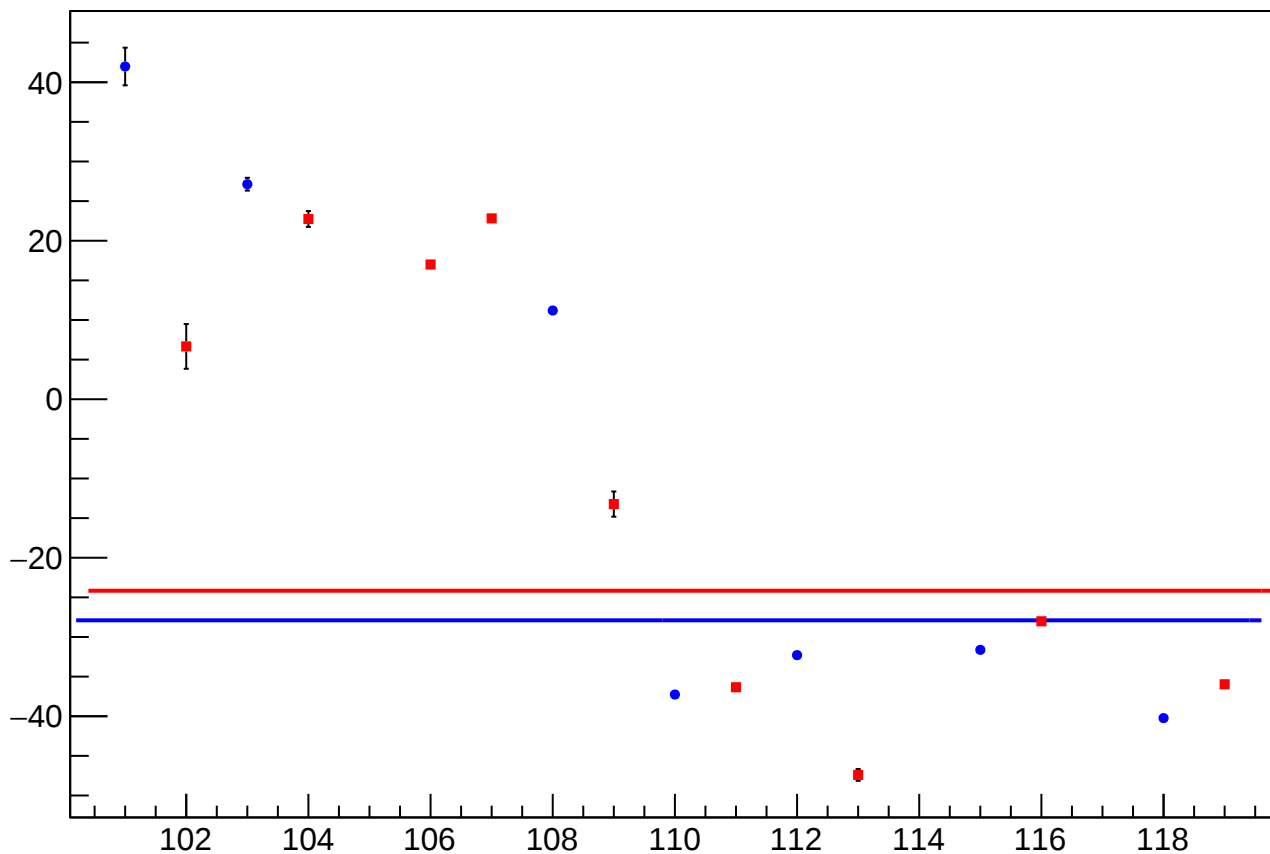
Right: -215.666+/-0.048  $\chi^2/\text{NDF}$ : 343566.9/15

In: -226.266+/-0.090  $\chi^2/\text{NDF}$ :241472.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -215.666+/-0.048  $\chi^2/\text{NDF}$ : 343566.9/15

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-27.897 \pm 0.119$   $\chi^2/\text{NDF}$ : 29280.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-24.164 \pm 0.171$   $\chi^2/\text{NDF}$ : 17550.8/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

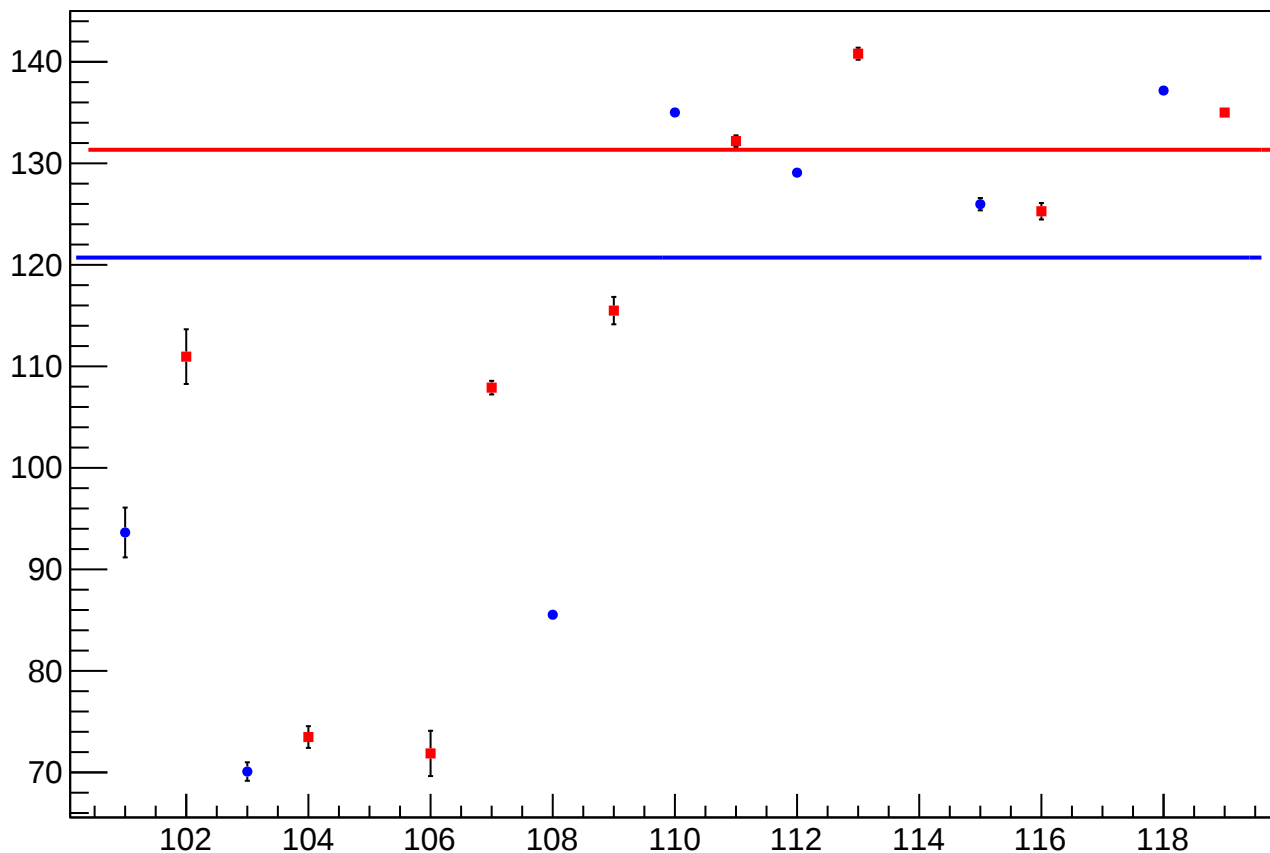
Right:  $-26.679 \pm 0.098$   $\chi^2/\text{NDF}$ : 47150.3/15

In:  $-27.897 \pm 0.119$   $\chi^2/\text{NDF}$ : 29280.1/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-26.679 \pm 0.098$   $\chi^2/\text{NDF}$ : 47150.3/15

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 120.717 $\pm$ 0.119  $\chi^2$ /NDF: 35843.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 131.338 $\pm$ 0.158  $\chi^2$ /NDF: 5745.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

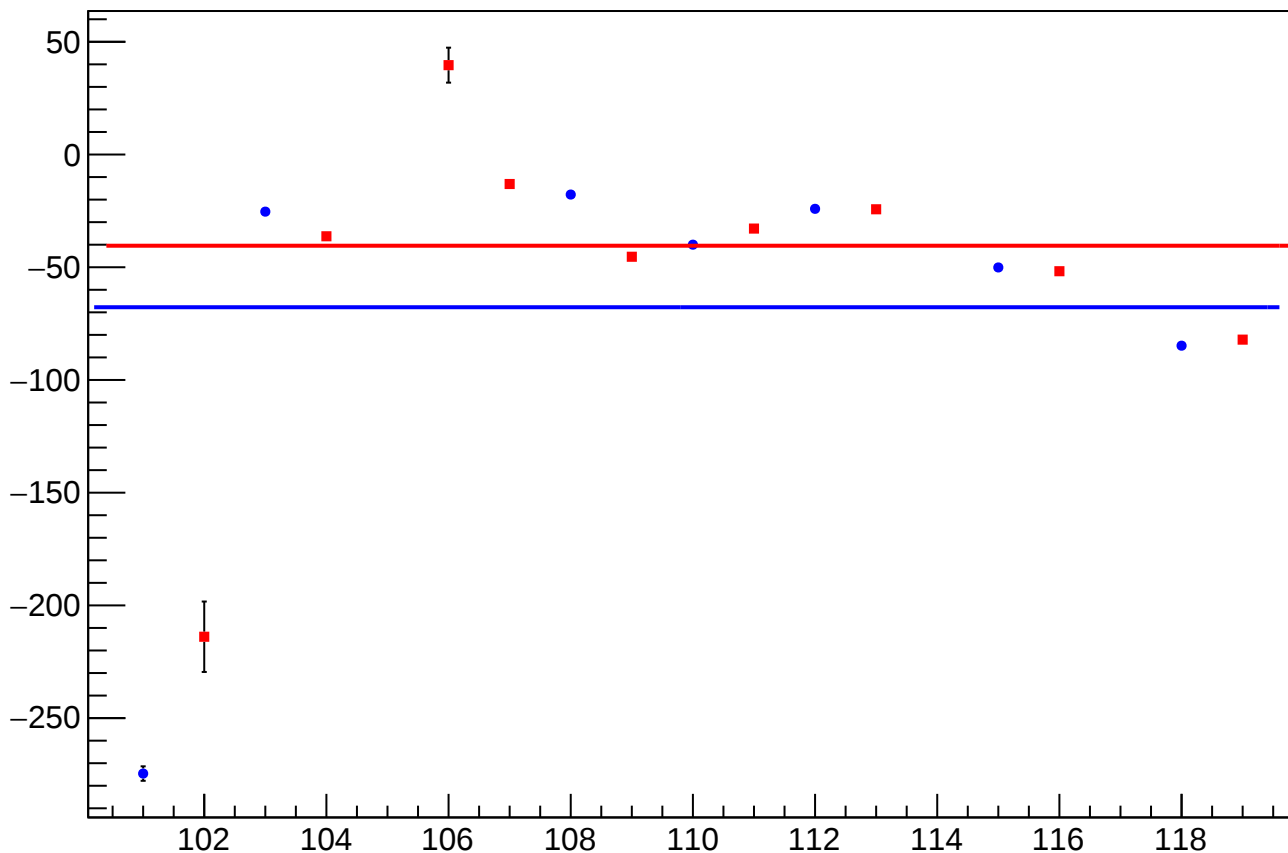
Right: 124.571 $\pm$ 0.095  $\chi^2$ /NDF: 44483.1/15

In: 120.717 $\pm$ 0.119  $\chi^2$ /NDF:35843.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 124.571 $\pm$ 0.095  $\chi^2$ /NDF: 44483.1/15

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -67.736 $\pm$ 0.203  $\chi^2$ /NDF: 20679.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.451 $\pm$ 0.232  $\chi^2$ /NDF: 9466.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

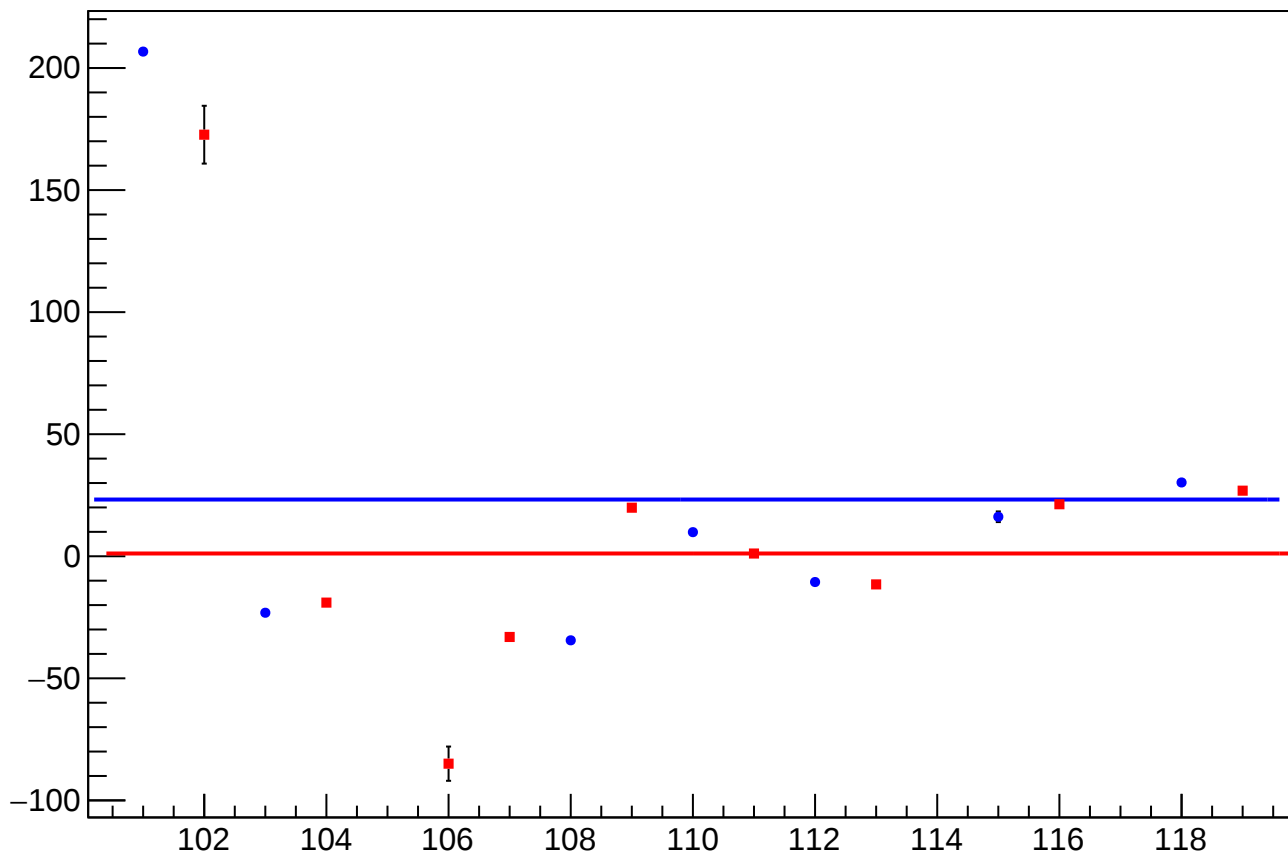
Right: -55.884 $\pm$ 0.153  $\chi^2$ /NDF: 37972.3/15

In: -67.736 $\pm$ 0.203  $\chi^2$ /NDF:20679.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -55.884 $\pm$ 0.153  $\chi^2$ /NDF: 37972.3/15

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 23.239+/-0.200  $\chi^2/\text{NDF}$ : 22330.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.135+/-0.258  $\chi^2/\text{NDF}$ : 6400.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

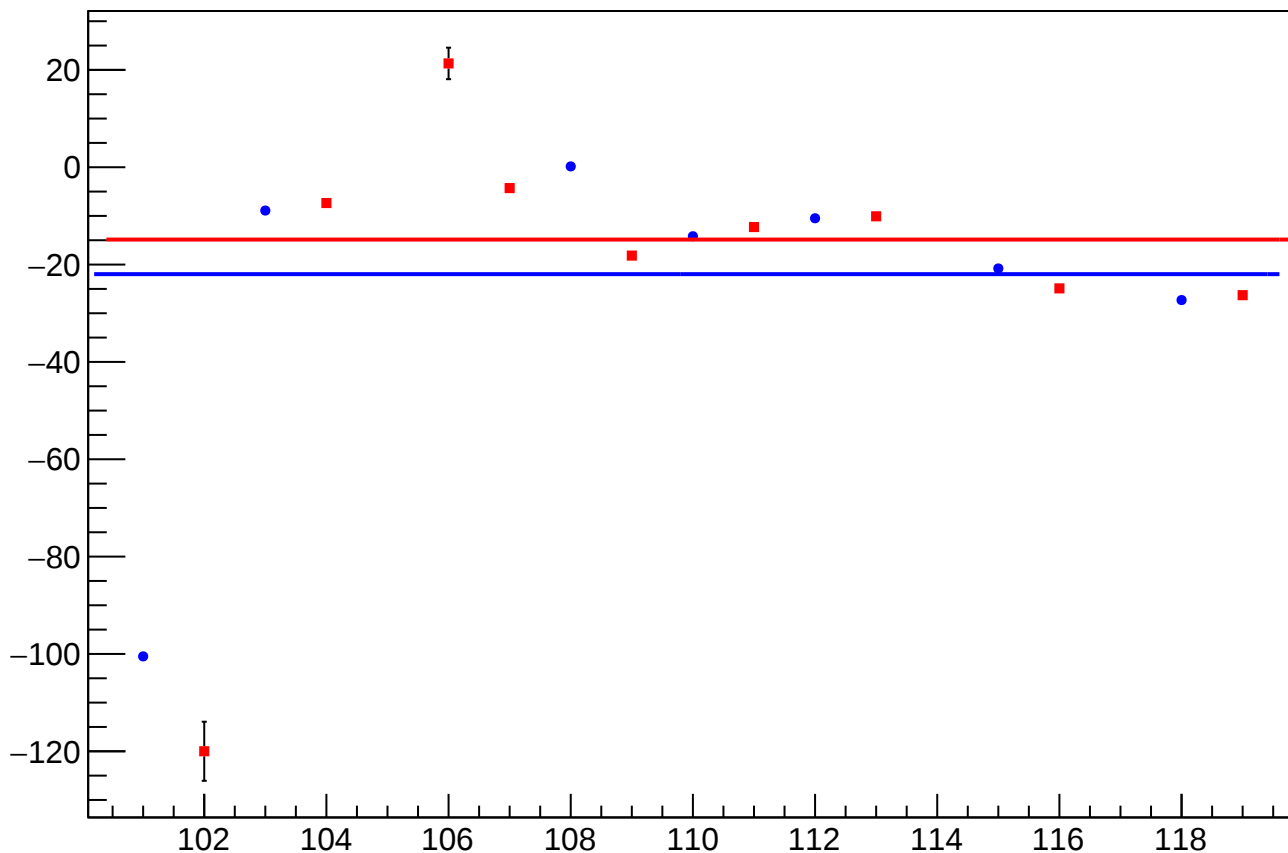
Right: 14.946+/-0.158  $\chi^2/\text{NDF}$ : 33316.9/15

In: 23.239+/-0.200  $\chi^2/\text{NDF}$ : 22330.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.946+/-0.158  $\chi^2/\text{NDF}$ : 33316.9/15

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In: -21.968 $\pm$ 0.061  $\chi^2$ /NDF: 87759.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.860 $\pm$ 0.047  $\chi^2$ /NDF: 25500.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

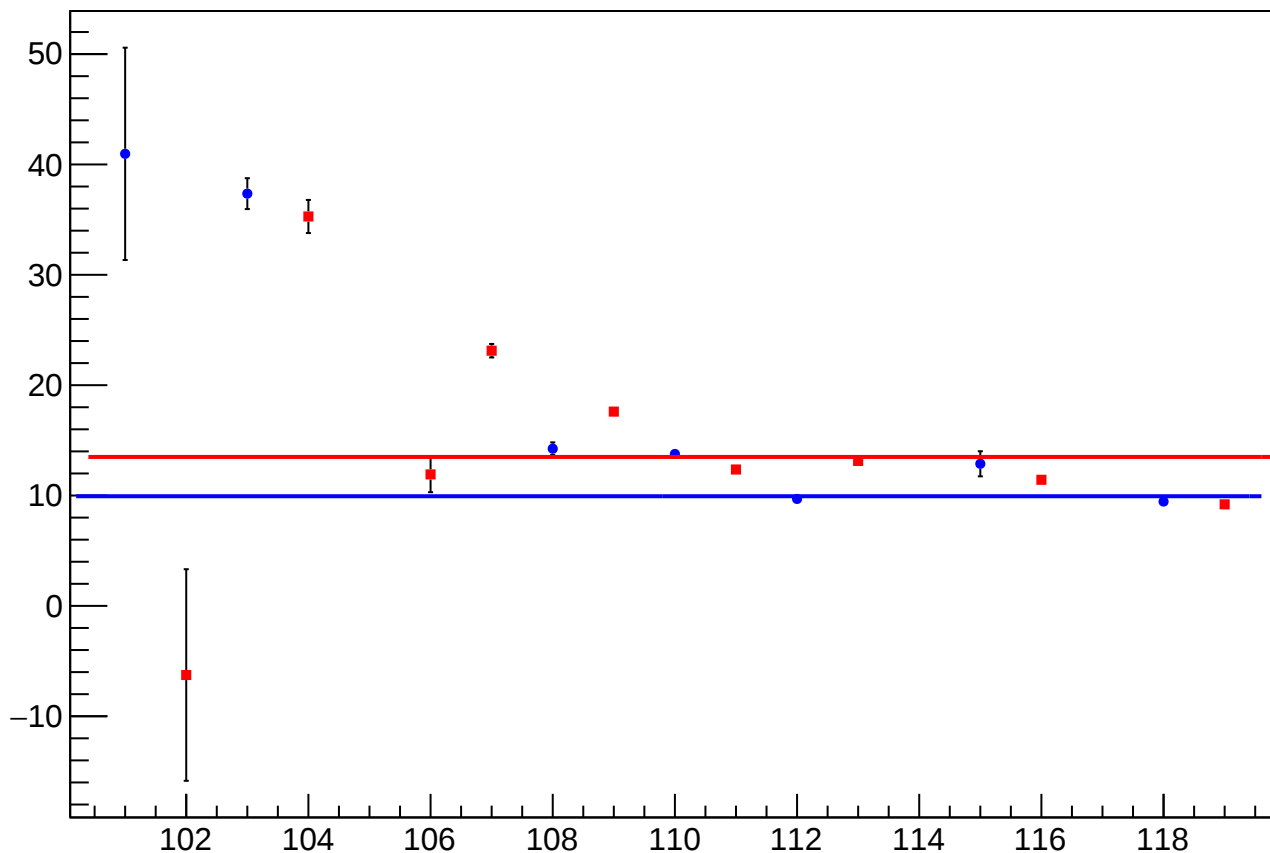
Right: -17.538 $\pm$ 0.037  $\chi^2$ /NDF: 121750.0/15

In: -21.968 $\pm$ 0.061  $\chi^2$ /NDF:87759.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -17.538 $\pm$ 0.037  $\chi^2$ /NDF: 121750.0/15

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 9.936+/-0.068  $\chi^2/\text{NDF}$ : 613.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.496+/-0.102  $\chi^2/\text{NDF}$ : 1132.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

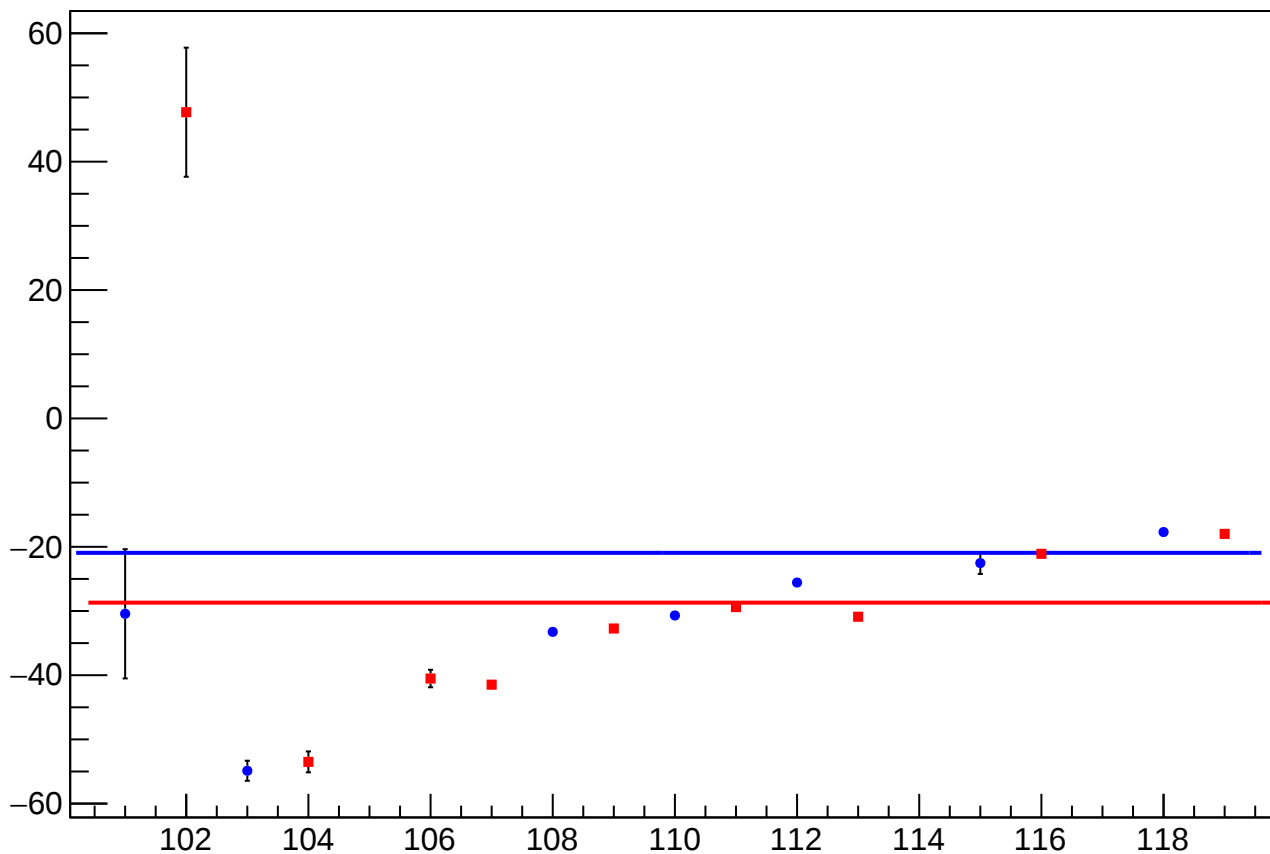
Right: 11.022+/-0.056  $\chi^2/\text{NDF}$ : 2590.7/15

In: 9.936+/-0.068  $\chi^2/\text{NDF}$ : 613.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.022+/-0.056  $\chi^2/\text{NDF}$ : 2590.7/15

# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In: -20.937 $\pm$ 0.052  $\chi^2$ /NDF: 6671.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -28.695 $\pm$ 0.096  $\chi^2$ /NDF: 3175.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

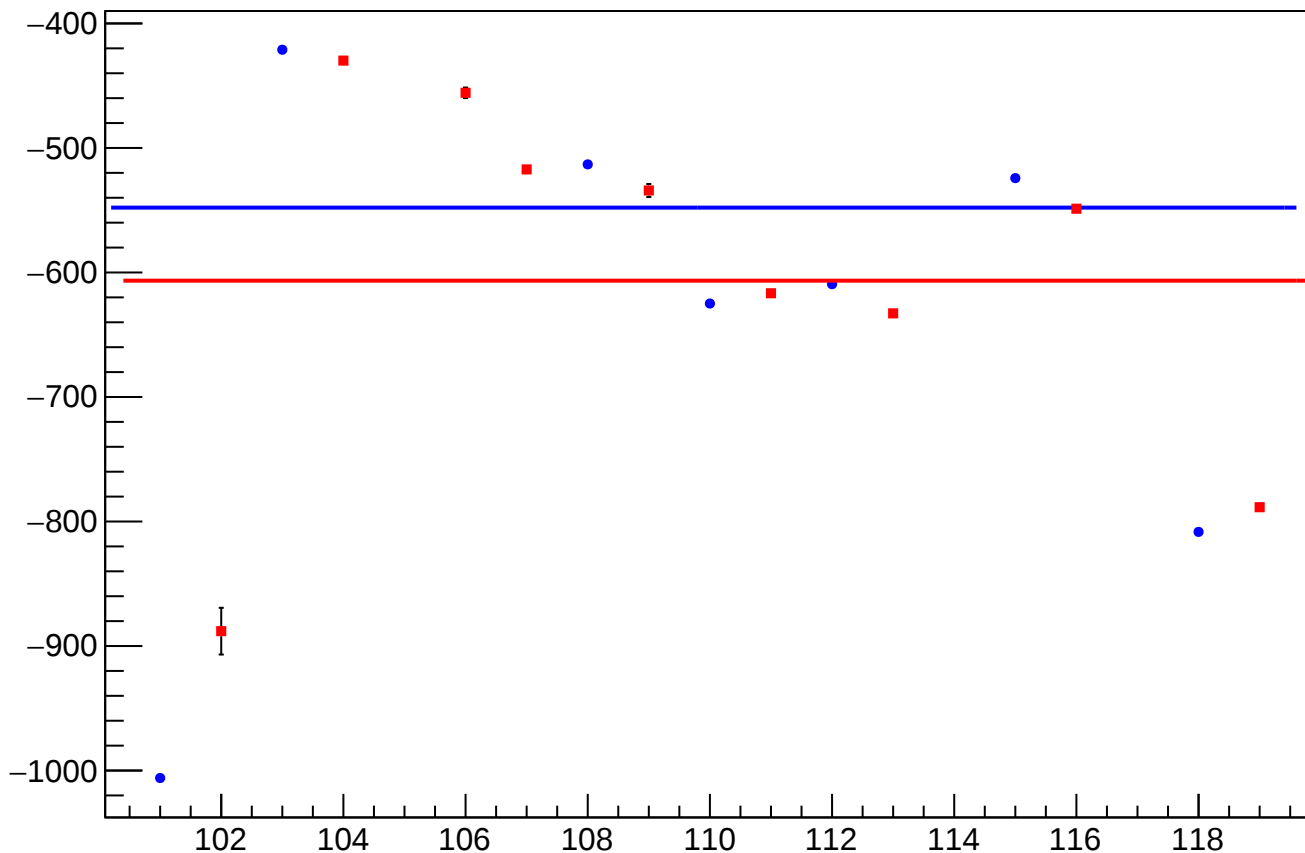
Right: -22.684 $\pm$ 0.046  $\chi^2$ /NDF: 14856.7/15

In: -20.937 $\pm$ 0.052  $\chi^2$ /NDF:6671.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -22.684 $\pm$ 0.046  $\chi^2$ /NDF: 14856.7/15

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -547.908+/-0.292  $\chi^2/\text{NDF}$ : 99586.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -606.572+/-0.306  $\chi^2/\text{NDF}$ : 80047.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

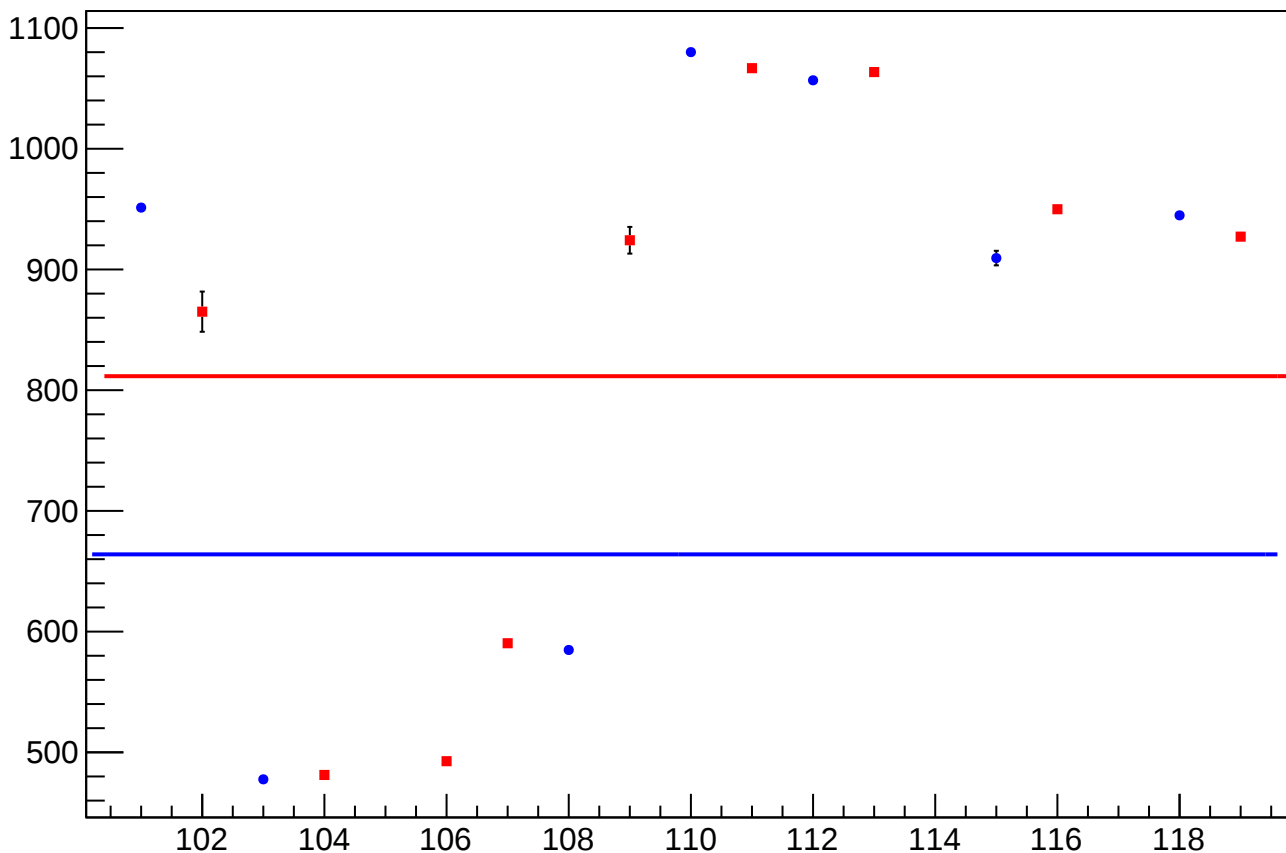
Right: -575.826+/-0.211  $\chi^2/\text{NDF}$ : 198837.7/15

In: -547.908+/-0.292  $\chi^2/\text{NDF}$ :99586.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -575.826+/-0.211  $\chi^2/\text{NDF}$ : 198837.7/15

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 663.990+/-0.288  $\chi^2/\text{NDF}$ : 370881.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 811.597+/-0.317  $\chi^2/\text{NDF}$ : 647582.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

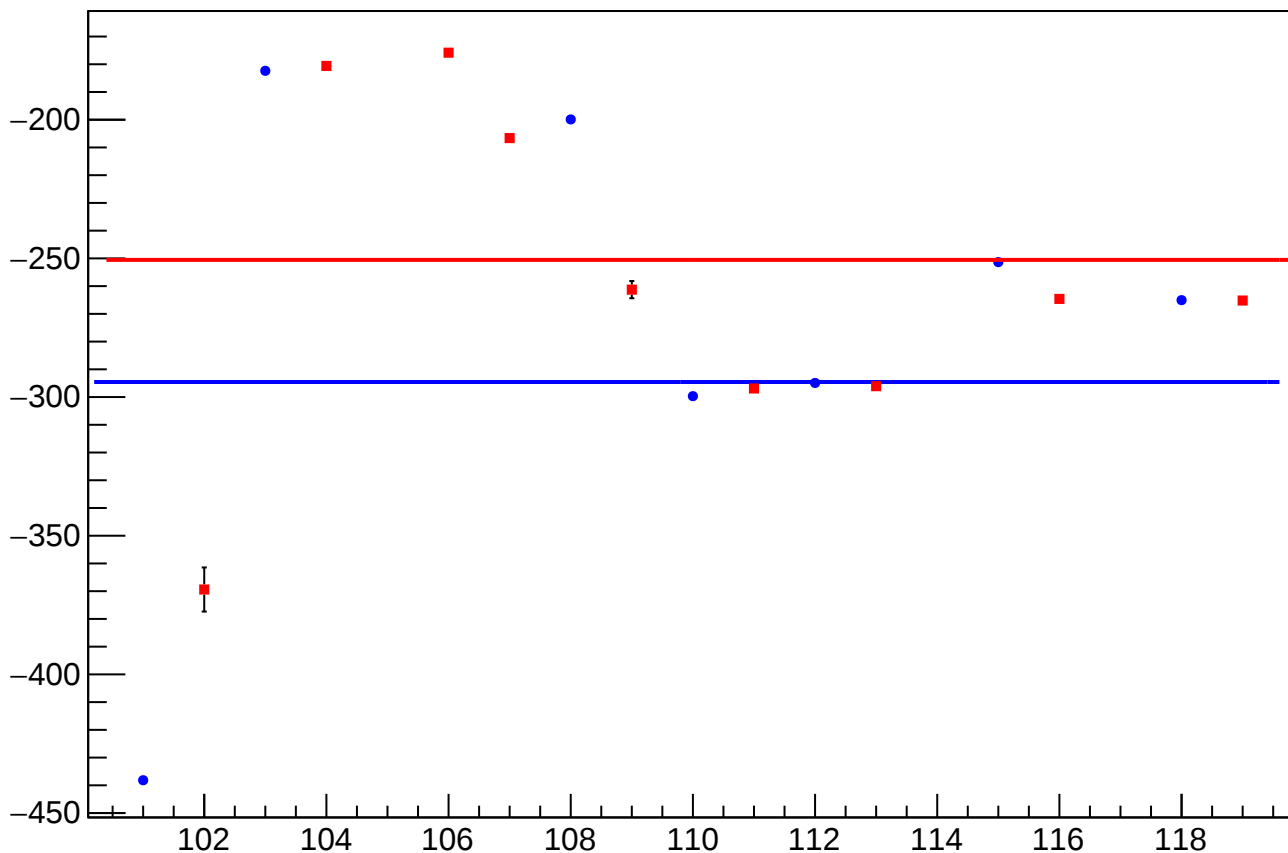
Right: 730.806+/-0.213  $\chi^2/\text{NDF}$ : 1137255.8/15

In: 663.990+/-0.288  $\chi^2/\text{NDF}$ : 370881.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 730.806+/-0.213  $\chi^2/\text{NDF}$ : 1137255.8/15

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -294.570+/-0.100  $\chi^2/\text{NDF}$ : 807907.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -250.539+/-0.093  $\chi^2/\text{NDF}$ : 264907.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

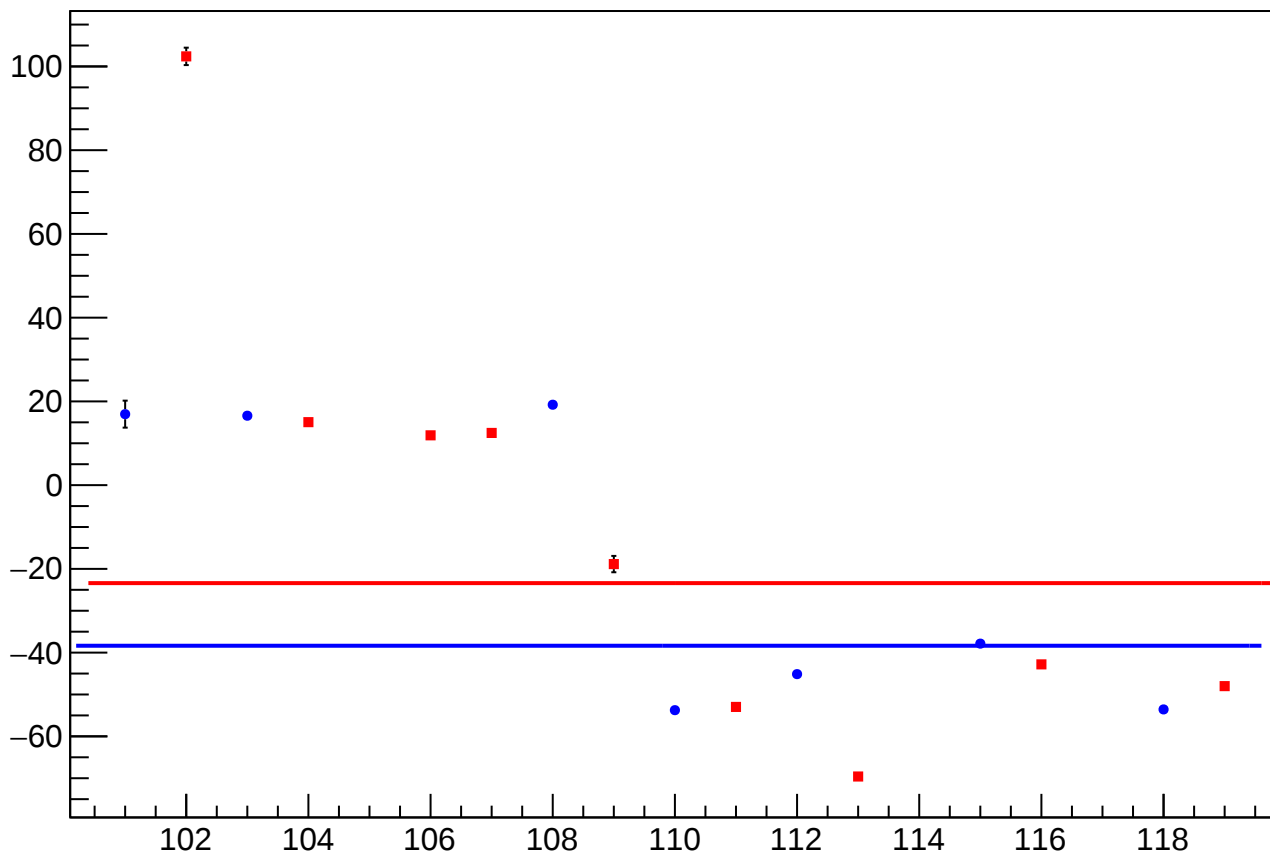
Right: -270.964+/-0.068  $\chi^2/\text{NDF}$ : 1176902.8/15

In: -294.570+/-0.100  $\chi^2/\text{NDF}$ :807907.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -270.964+/-0.068  $\chi^2/\text{NDF}$ : 1176902.8/15

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-38.358 \pm 0.165$   $\chi^2/\text{NDF}$ : 19410.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.402 \pm 0.177$   $\chi^2/\text{NDF}$ : 32772.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

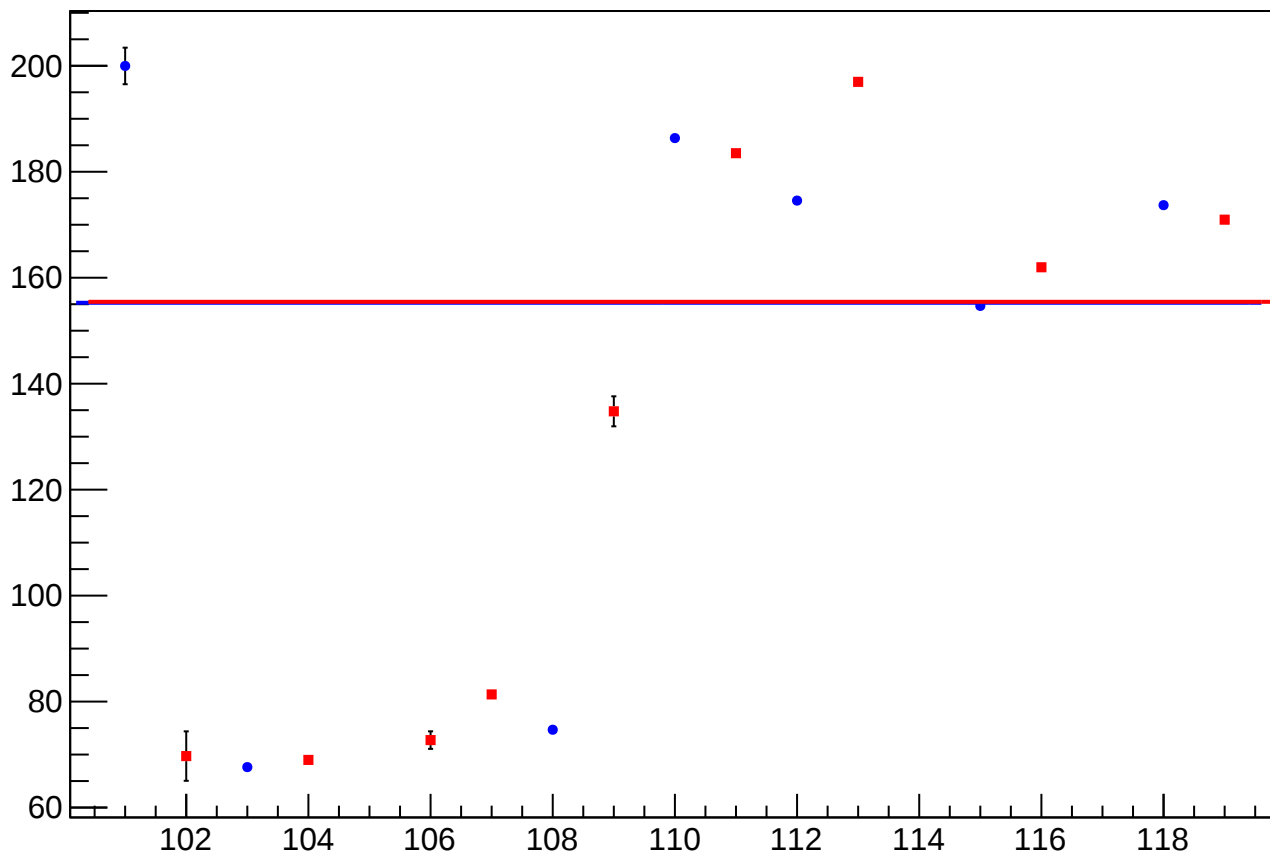
Right:  $-31.392 \pm 0.121$   $\chi^2/\text{NDF}$ : 55997.3/15

In:  $-38.358 \pm 0.165$   $\chi^2/\text{NDF}$ : 19410.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-31.392 \pm 0.121$   $\chi^2/\text{NDF}$ : 55997.3/15

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 155.273+/-0.187  $\chi^2/\text{NDF}$ : 39370.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 155.453+/-0.158  $\chi^2/\text{NDF}$ : 53464.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

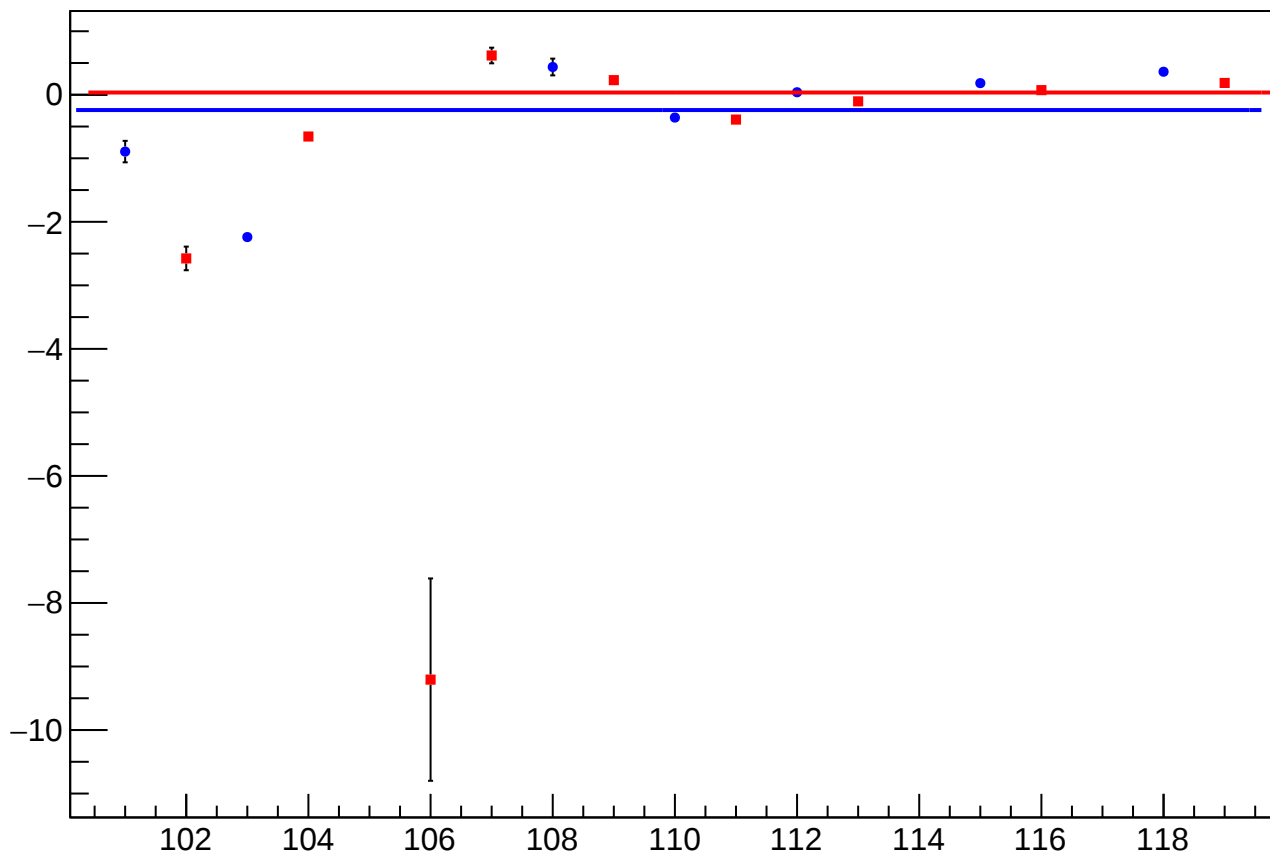
Right: 155.378+/-0.121  $\chi^2/\text{NDF}$ : 92834.8/15

In: 155.273+/-0.187  $\chi^2/\text{NDF}$ : 39370.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 155.378+/-0.121  $\chi^2/\text{NDF}$ : 92834.8/15

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: -0.241 $\pm$ 0.020  $\chi^2$ /NDF: 1259.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.035 $\pm$ 0.008  $\chi^2$ /NDF: 502.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

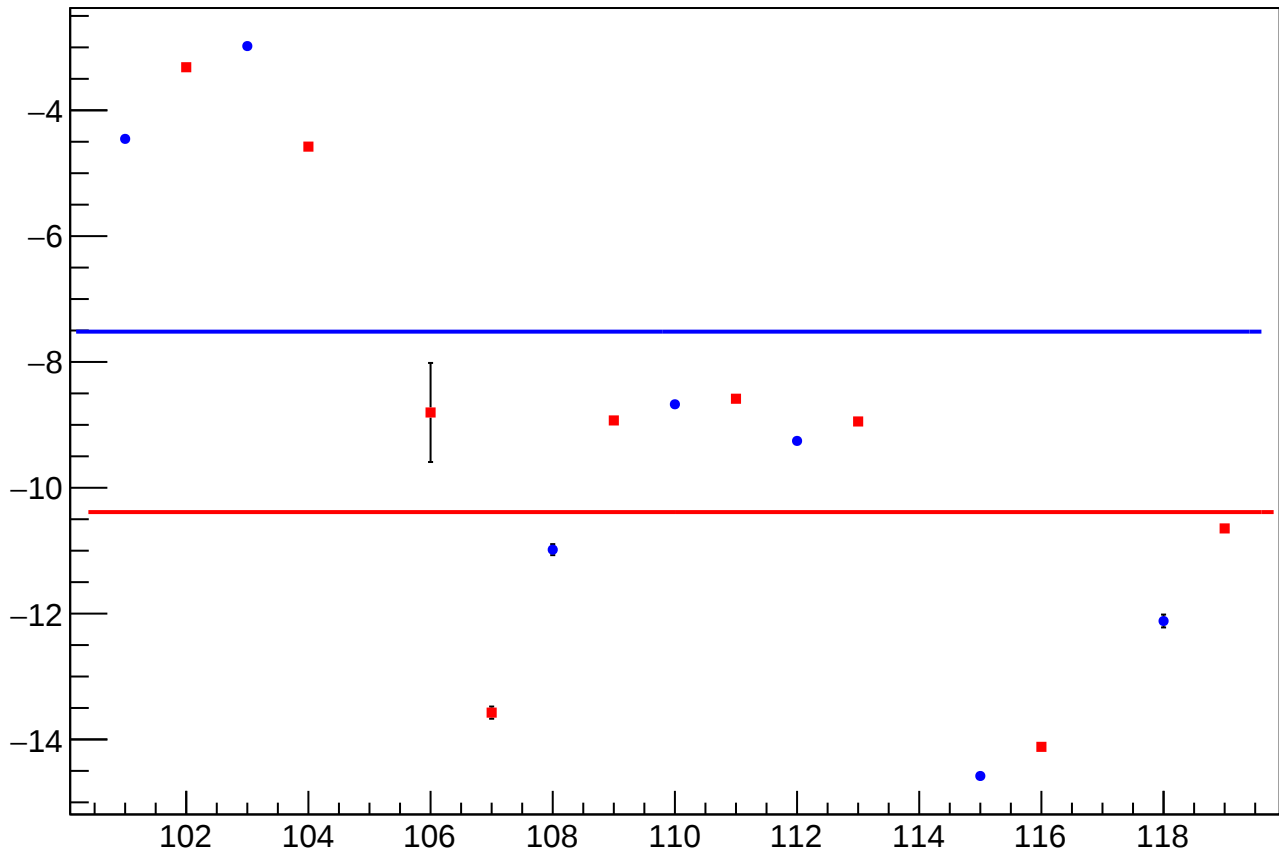
Right: -0.005 $\pm$ 0.007  $\chi^2$ /NDF: 1930.5/15

In: -0.241 $\pm$ 0.020  $\chi^2$ /NDF:1259.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.005 $\pm$ 0.007  $\chi^2$ /NDF: 1930.5/15

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -7.518+/-0.014  $\chi^2$ /NDF: 111464.5/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -10.386+/-0.014  $\chi^2$ /NDF: 78763.3/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

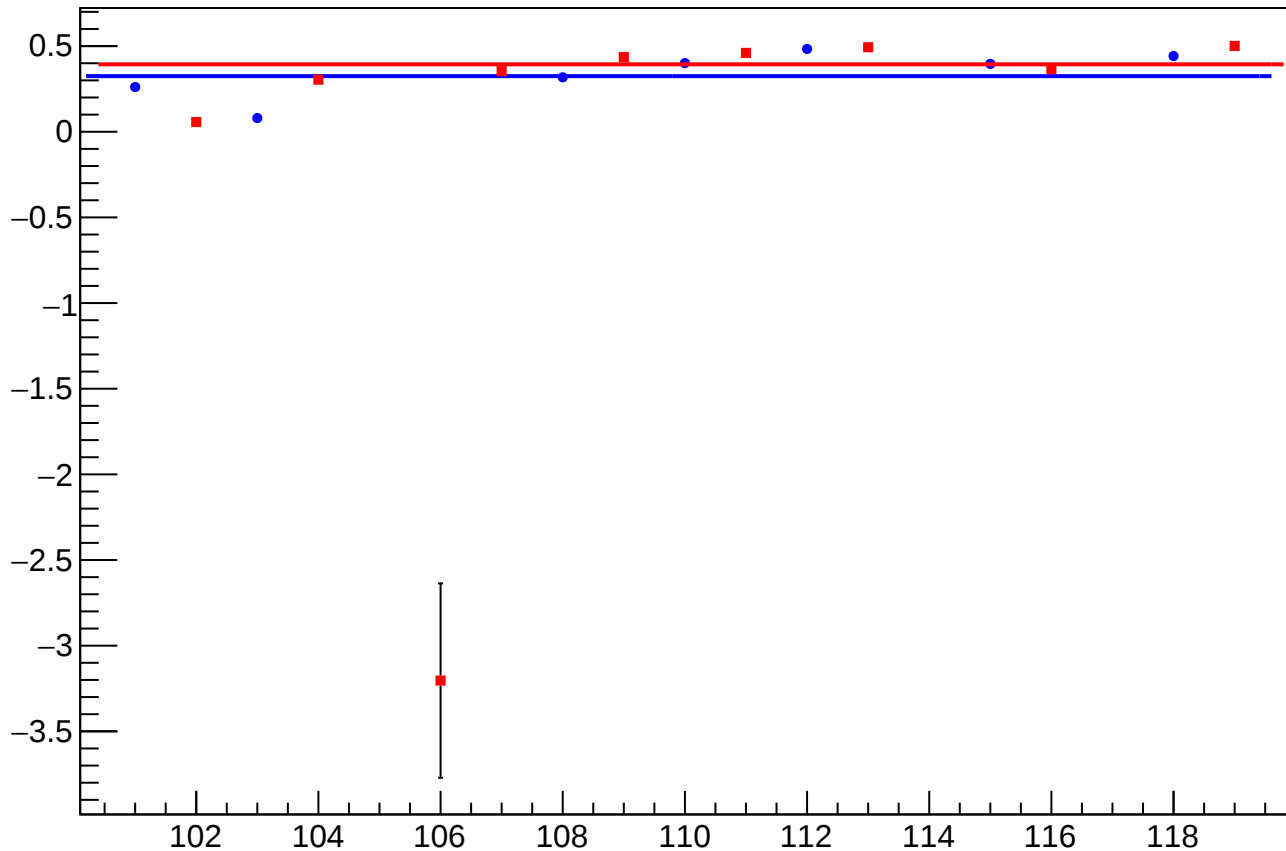
Right: -8.959+/-0.010  $\chi^2$ /NDF: 210309.1/15

In: -7.518+/-0.014  $\chi^2$ /NDF:111464.5/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -8.959+/-0.010  $\chi^2$ /NDF: 210309.1/15

dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.325 $\pm$ 0.004  $\chi^2$ /NDF: 1184.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.394 $\pm$ 0.002  $\chi^2$ /NDF: 971.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

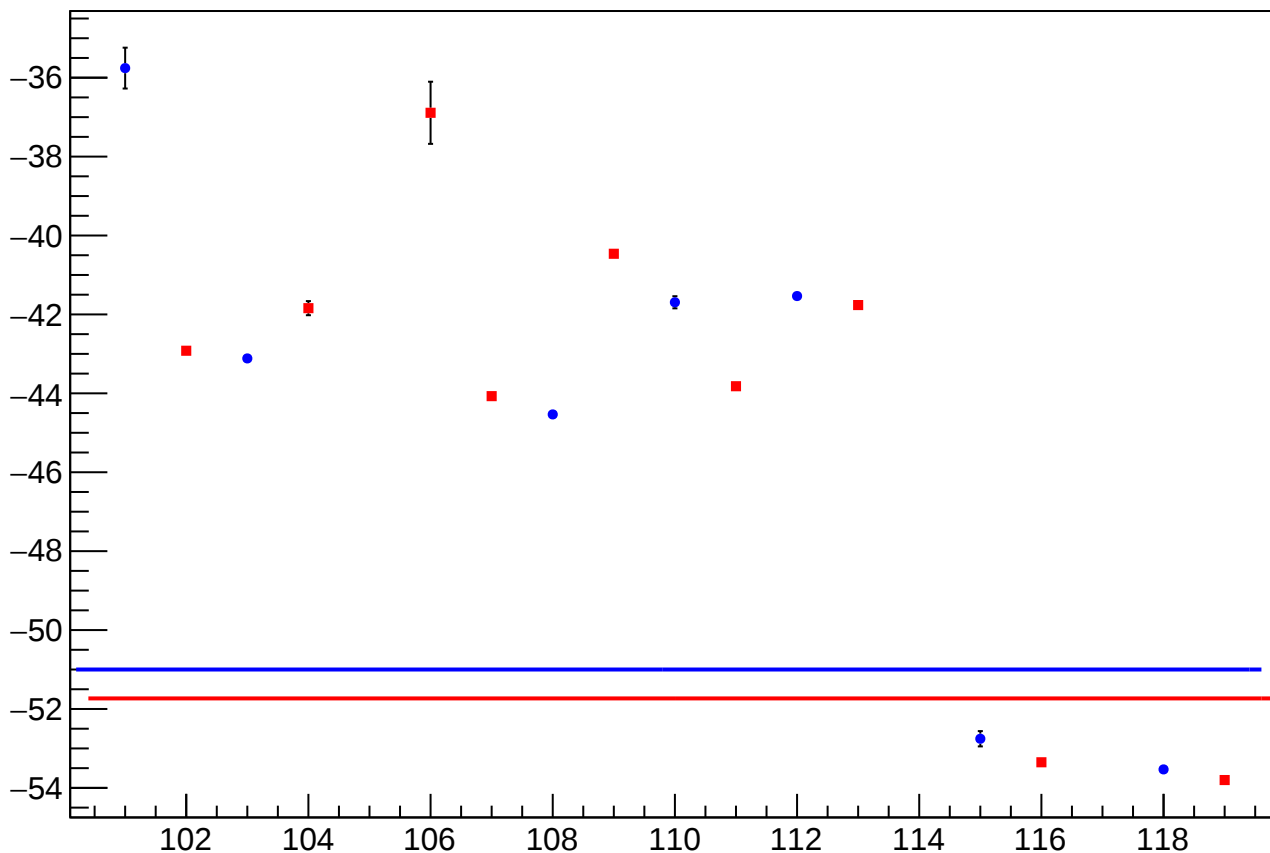
Right: 0.380 $\pm$ 0.002  $\chi^2$ /NDF: 2345.6/15

In: 0.325 $\pm$ 0.004  $\chi^2$ /NDF: 1184.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.380 $\pm$ 0.002  $\chi^2$ /NDF: 2345.6/15

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-51.000 \pm 0.023$   $\chi^2/\text{NDF}: 40979.6/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-51.732 \pm 0.017$   $\chi^2/\text{NDF}: 70514.3/8$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

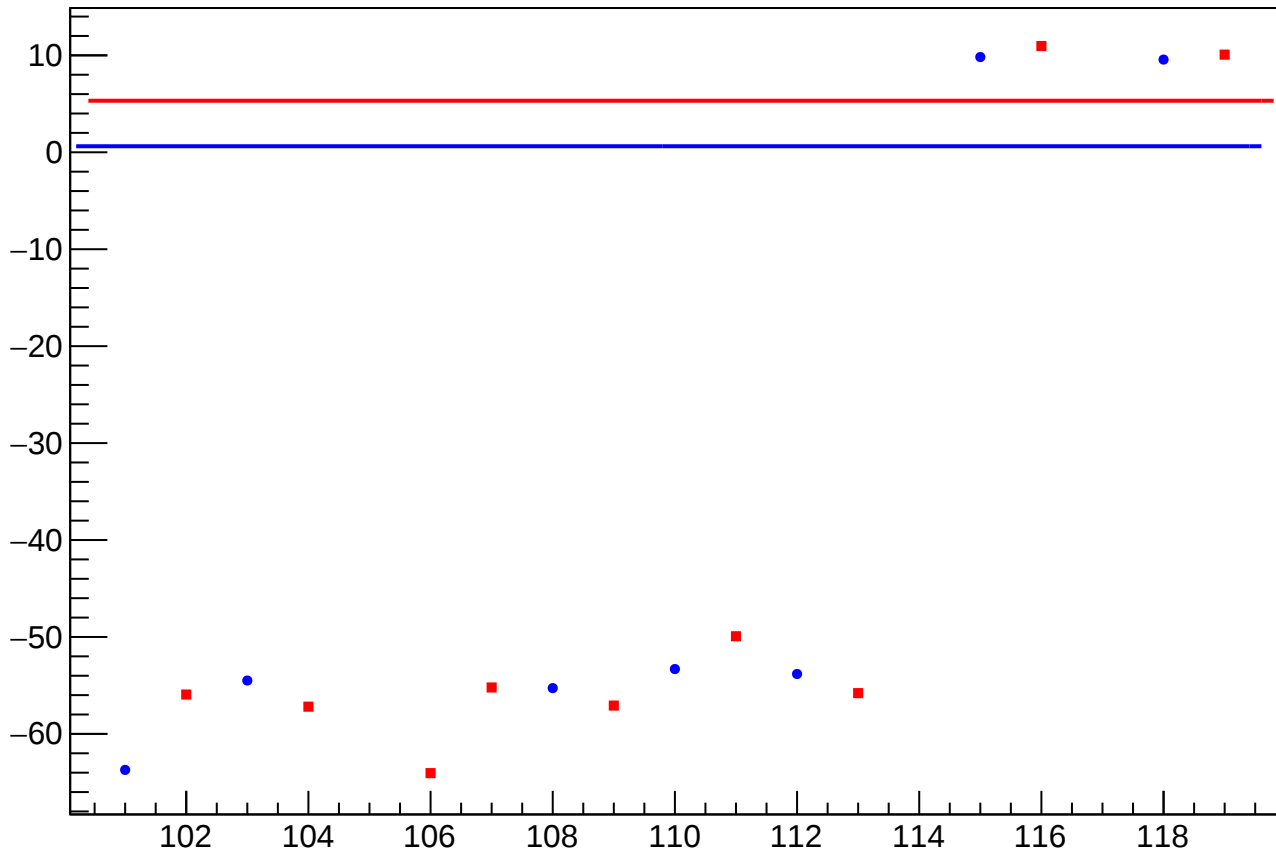
Right:  $-51.484 \pm 0.014$   $\chi^2/\text{NDF}: 112151.6/15$

In:  $-51.000 \pm 0.023$   $\chi^2/\text{NDF}: 40979.6/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-51.484 \pm 0.014$   $\chi^2/\text{NDF}: 112151.6/15$

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: 0.623+/-0.023  $\chi^2/\text{NDF}$ : 905495.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.318+/-0.016  $\chi^2/\text{NDF}$ : 1162822.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

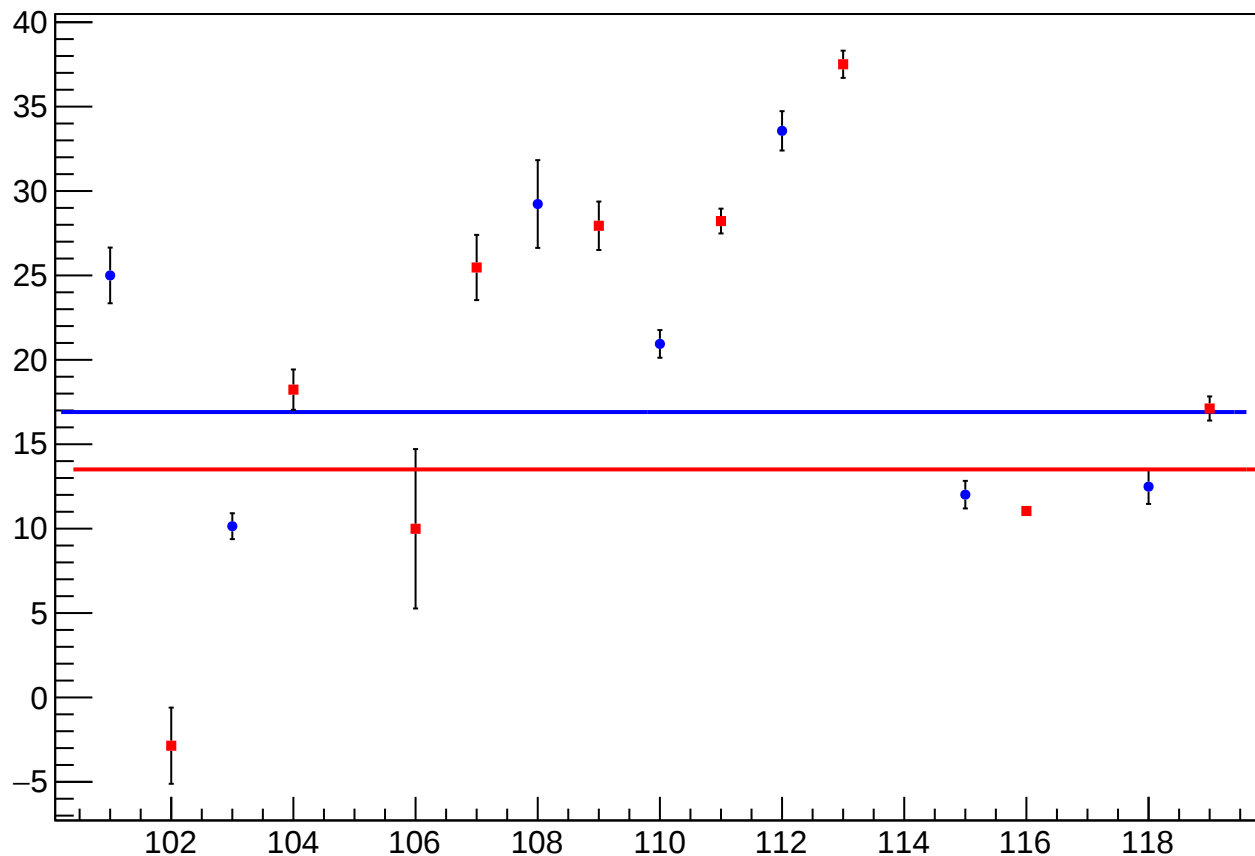
Right: 3.840+/-0.013  $\chi^2/\text{NDF}$ : 2095974.7/15

In: 0.623+/-0.023  $\chi^2/\text{NDF}$ : 905495.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.840+/-0.013  $\chi^2/\text{NDF}$ : 2095974.7/15

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 16.906+/-0.381  $\chi^2/\text{NDF}$ : 407.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 13.508+/-0.158  $\chi^2/\text{NDF}$ : 1721.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

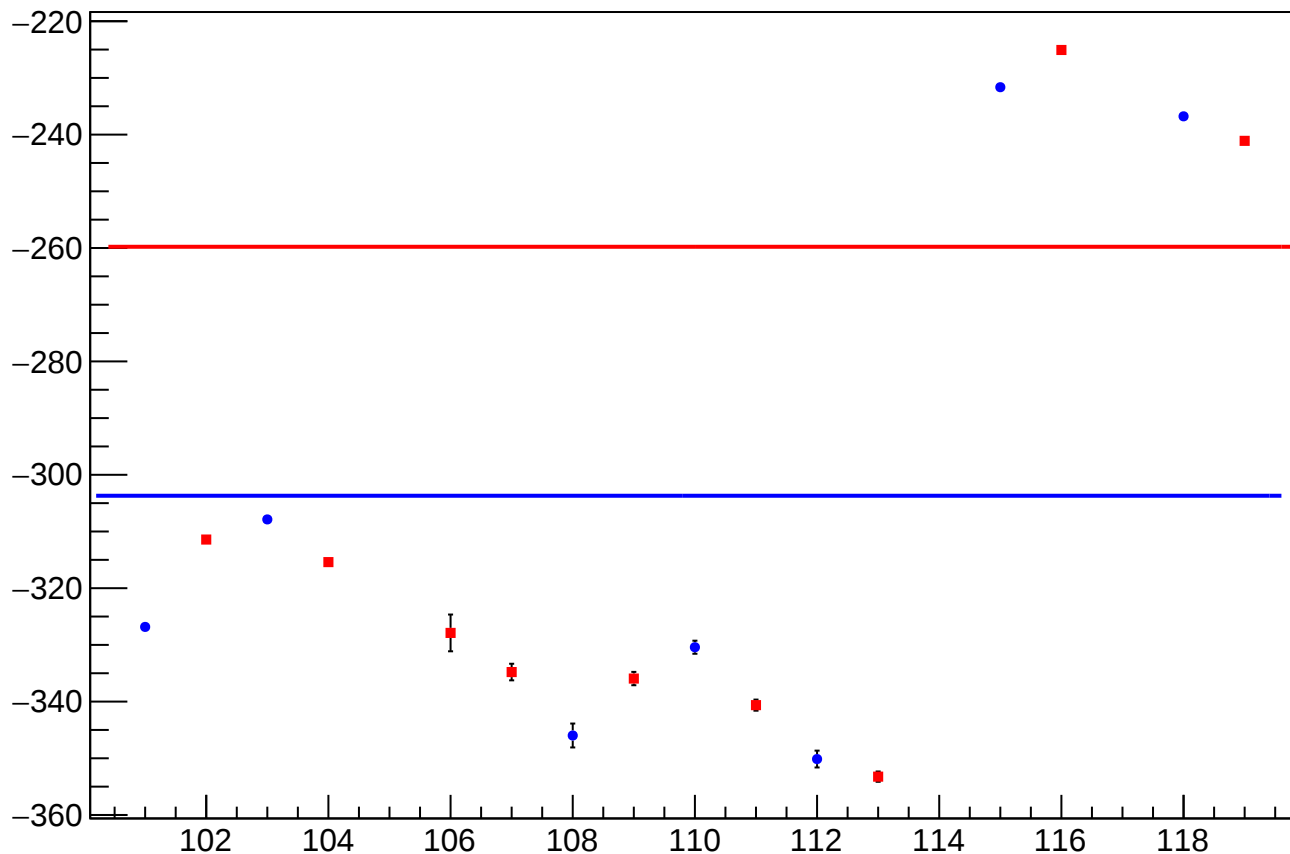
Right: 14.007+/-0.146  $\chi^2/\text{NDF}$ : 2196.5/15

In: 16.906+/-0.381  $\chi^2/\text{NDF}$ :407.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 14.007+/-0.146  $\chi^2/\text{NDF}$ : 2196.5/15

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In: -303.695+/-0.192  $\chi^2/\text{NDF}$ : 26927.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -259.782+/-0.176  $\chi^2/\text{NDF}$ : 68910.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

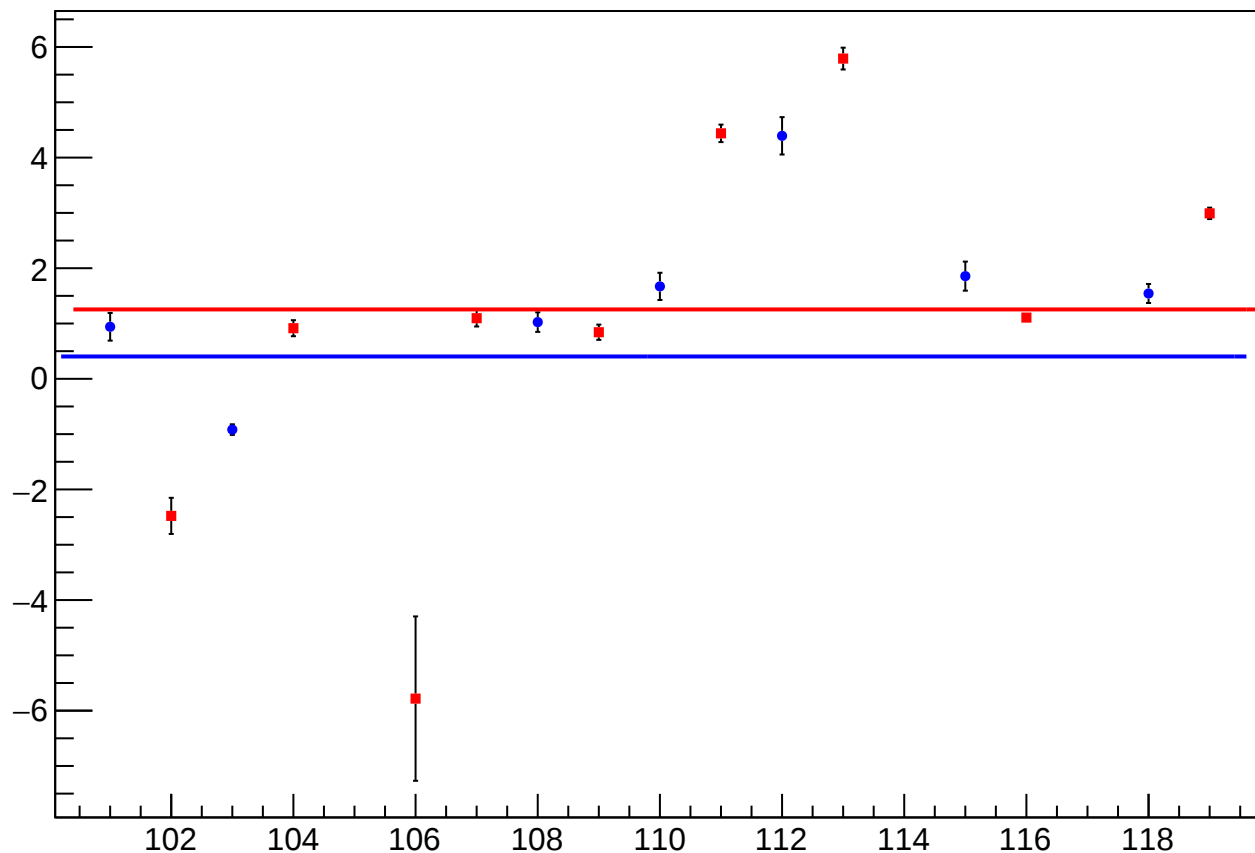
Right: -279.889+/-0.130  $\chi^2/\text{NDF}$ : 124217.3/15

In: -303.695+/-0.192  $\chi^2/\text{NDF}$ : 26927.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -279.889+/-0.130  $\chi^2/\text{NDF}$ : 124217.3/15

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.404 $\pm$ 0.066  $\chi^2$ /NDF: 447.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.255 $\pm$ 0.020  $\chi^2$ /NDF: 1435.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

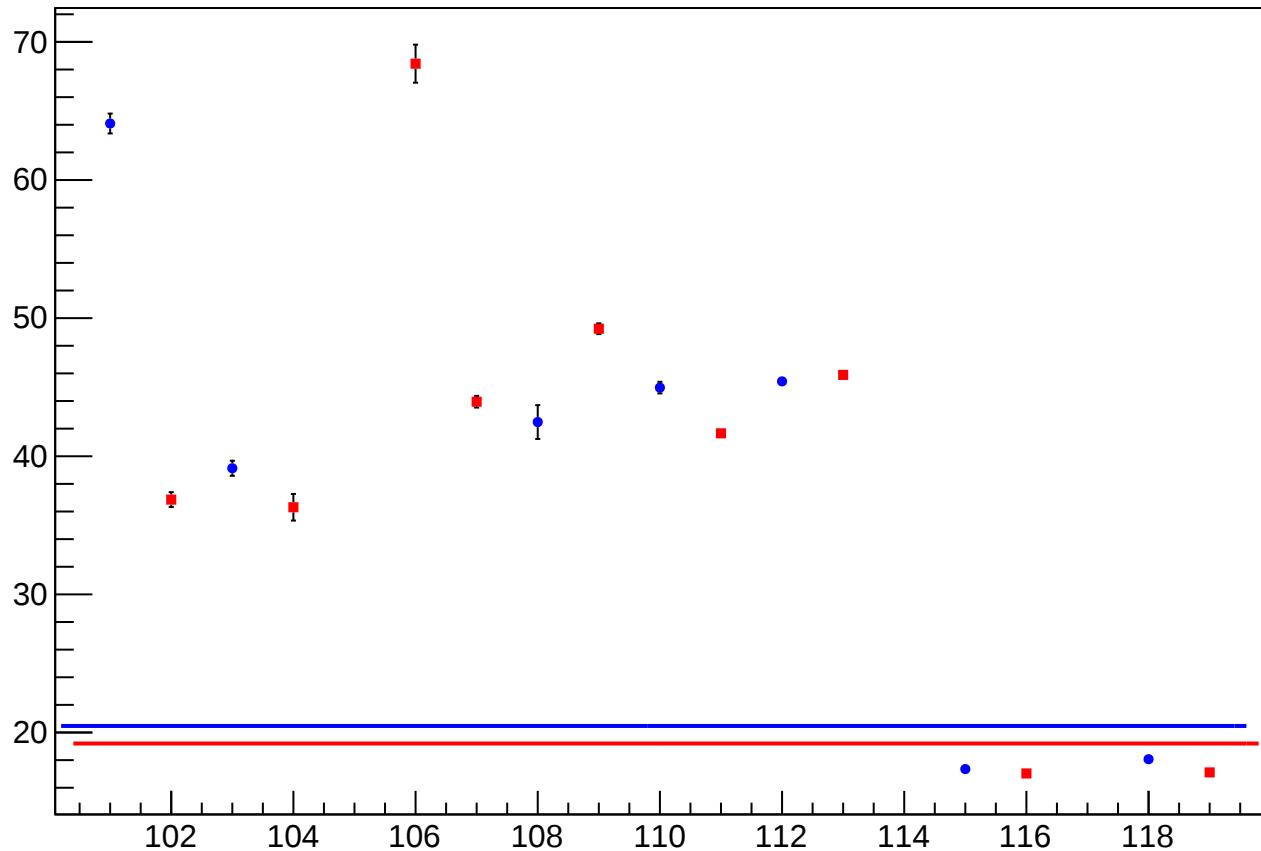
Right: 1.183 $\pm$ 0.019  $\chi^2$ /NDF: 2036.4/15

In: 0.404 $\pm$ 0.066  $\chi^2$ /NDF:447.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.183 $\pm$ 0.019  $\chi^2$ /NDF: 2036.4/15

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 20.475+/-0.054  $\chi^2/\text{NDF}$ : 22063.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.204+/-0.031  $\chi^2/\text{NDF}$ : 55543.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

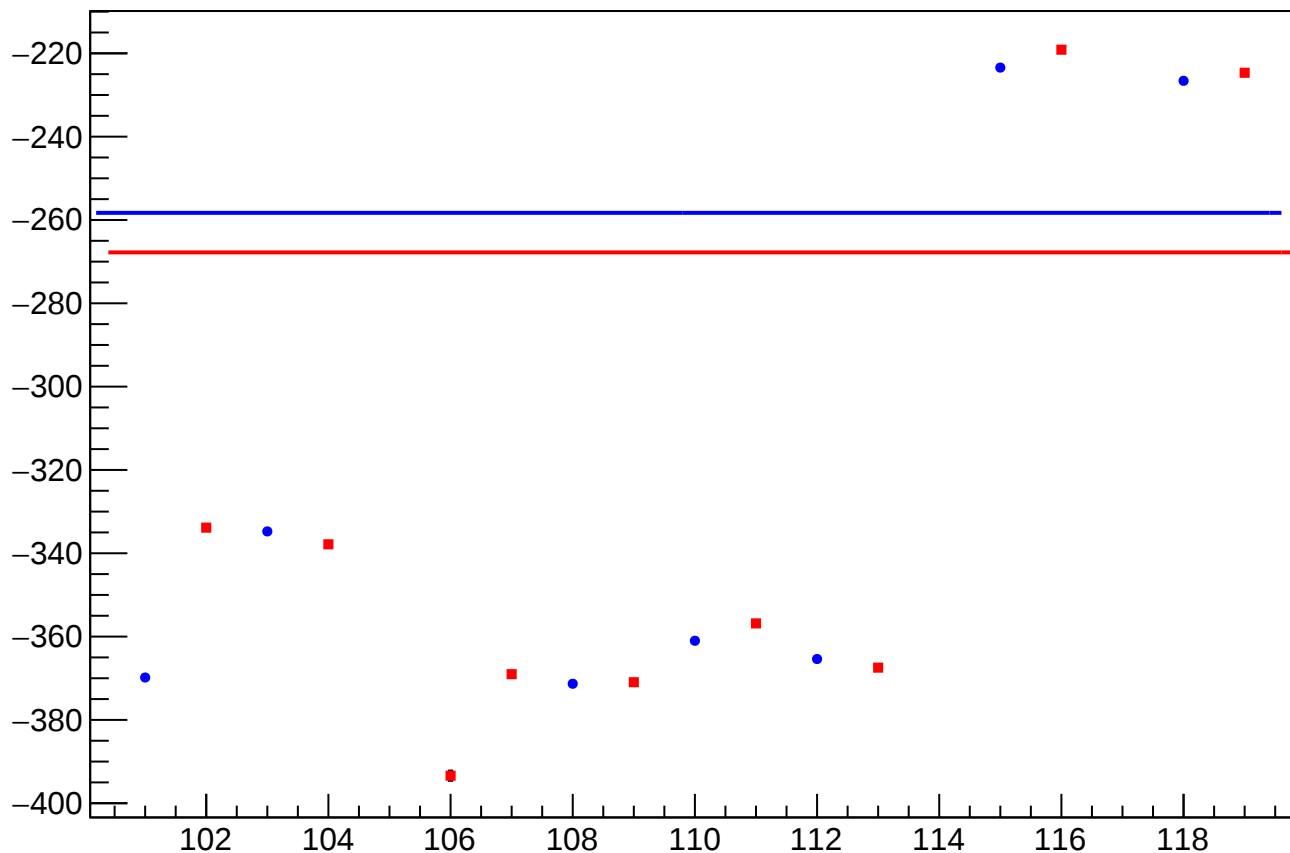
Right: 19.521+/-0.027  $\chi^2/\text{NDF}$ : 78026.3/15

In: 20.475+/-0.054  $\chi^2/\text{NDF}$ : 22063.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.521+/-0.027  $\chi^2/\text{NDF}$ : 78026.3/15

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -258.286+/-0.082  $\chi^2/\text{NDF}$ : 496460.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -267.780+/-0.086  $\chi^2/\text{NDF}$ : 567190.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

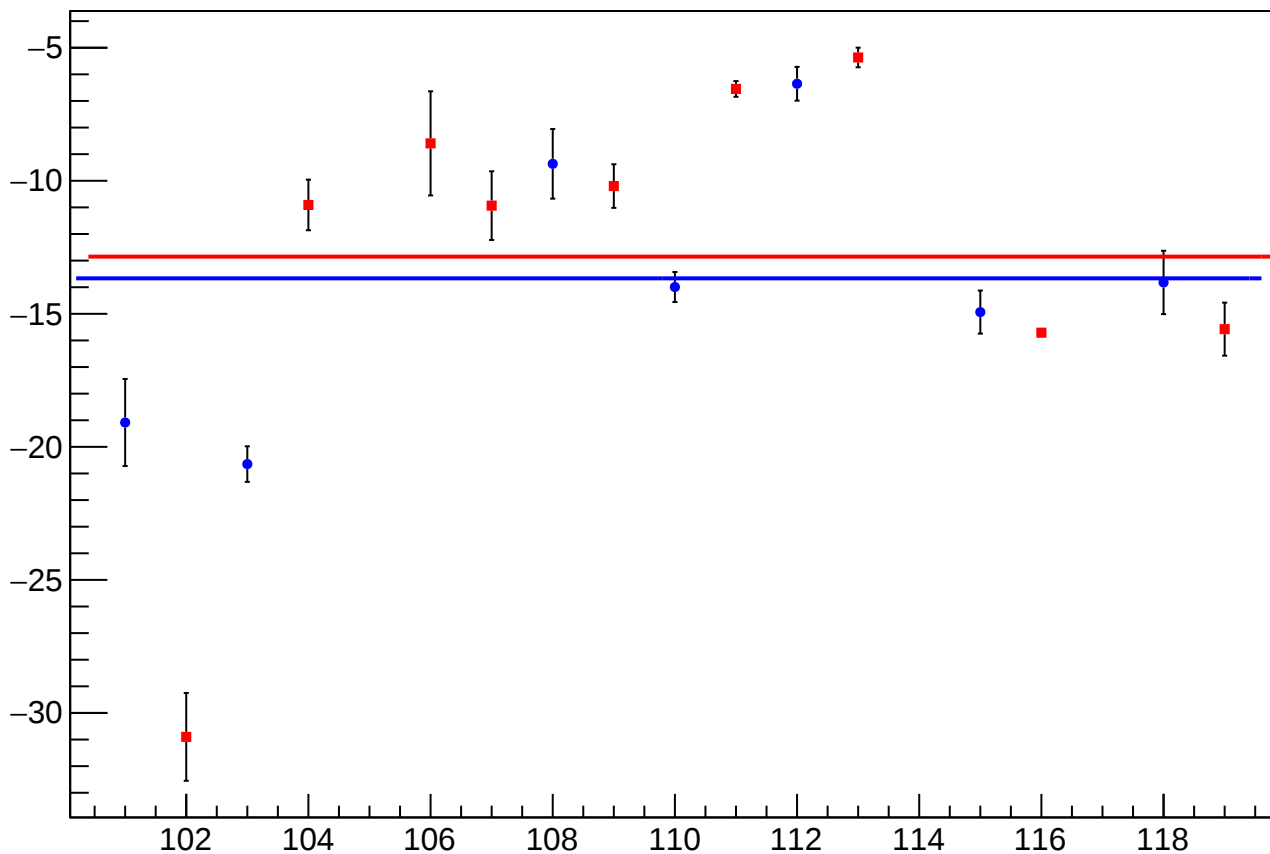
Right: -262.774+/-0.059  $\chi^2/\text{NDF}$ : 1070025.9/15

In: -258.286+/-0.082  $\chi^2/\text{NDF}$ : 496460.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -262.774+/-0.059  $\chi^2/\text{NDF}$ : 1070025.9/15

# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -13.667 $\pm$ 0.301  $\chi^2$ /NDF: 266.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.850 $\pm$ 0.121  $\chi^2$ /NDF: 1384.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

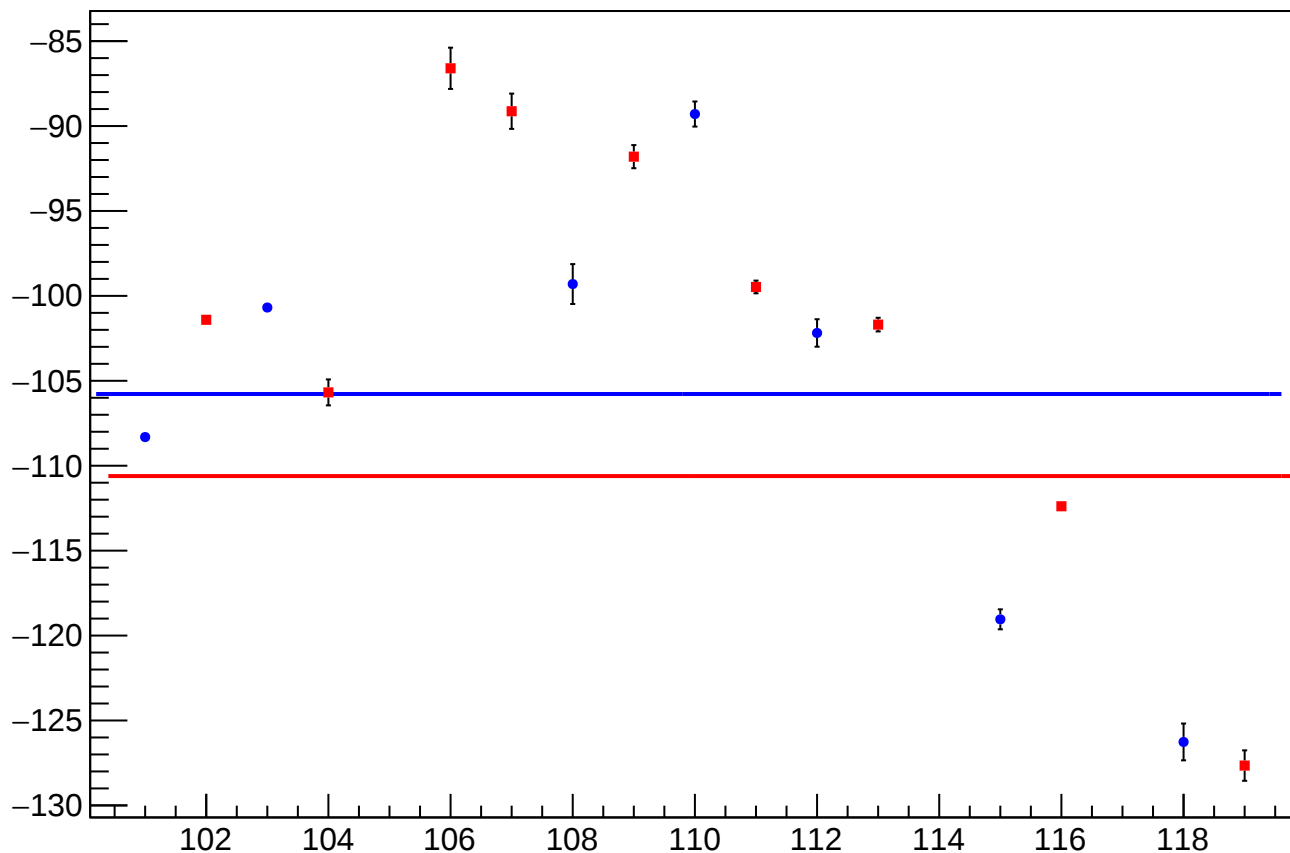
Right: -12.964 $\pm$ 0.112  $\chi^2$ /NDF: 1656.8/15

In: -13.667 $\pm$ 0.301  $\chi^2$ /NDF:266.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -12.964 $\pm$ 0.112  $\chi^2$ /NDF: 1656.8/15

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In: -105.778+/-0.123  $\chi^2/\text{NDF}$ : 2200.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -110.609+/-0.051  $\chi^2/\text{NDF}$ : 7839.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

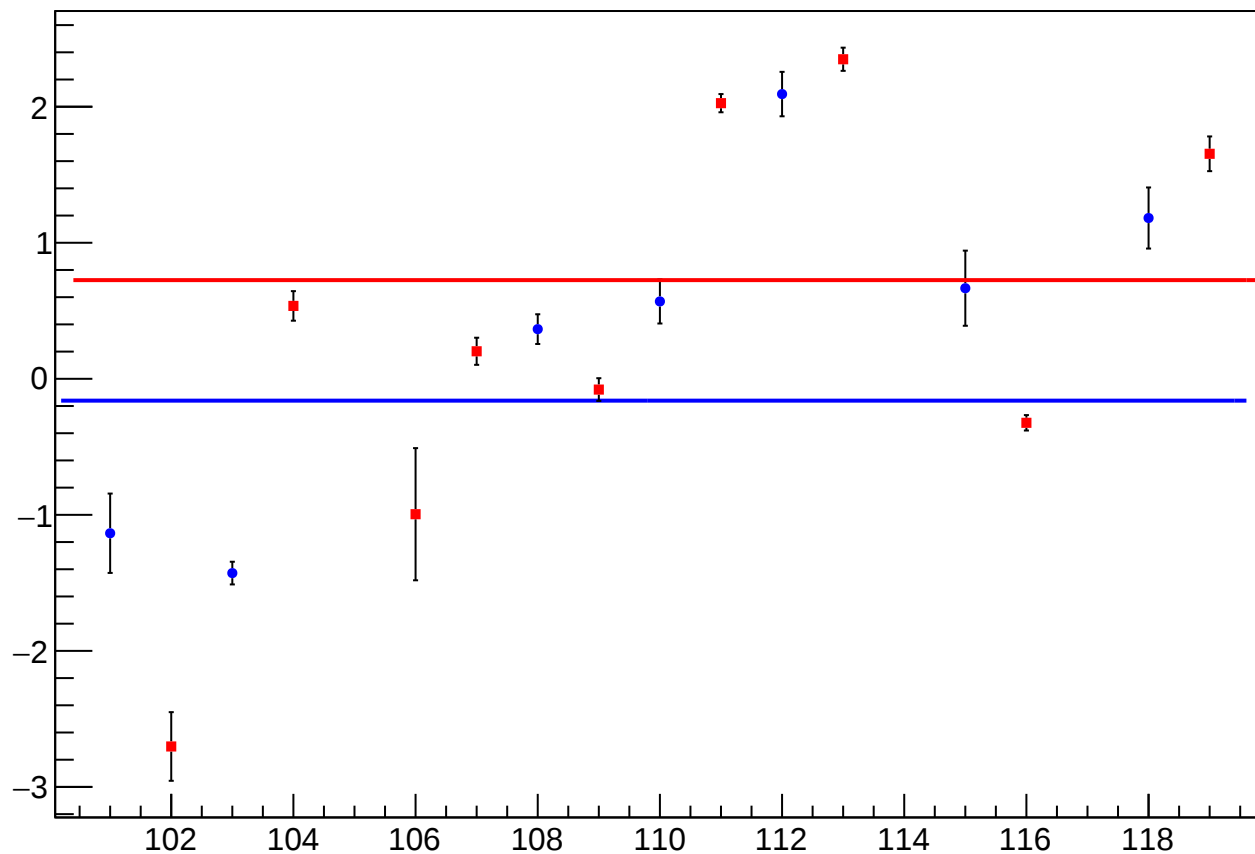
Right: -109.903+/-0.047  $\chi^2/\text{NDF}$ : 11349.0/15

In: -105.778+/-0.123  $\chi^2/\text{NDF}$ :2200.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -109.903+/-0.047  $\chi^2/\text{NDF}$ : 11349.0/15

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-0.161 \pm 0.054$   $\chi^2/\text{NDF}$ : 520.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.725 \pm 0.030$   $\chi^2/\text{NDF}$ : 1457.0/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

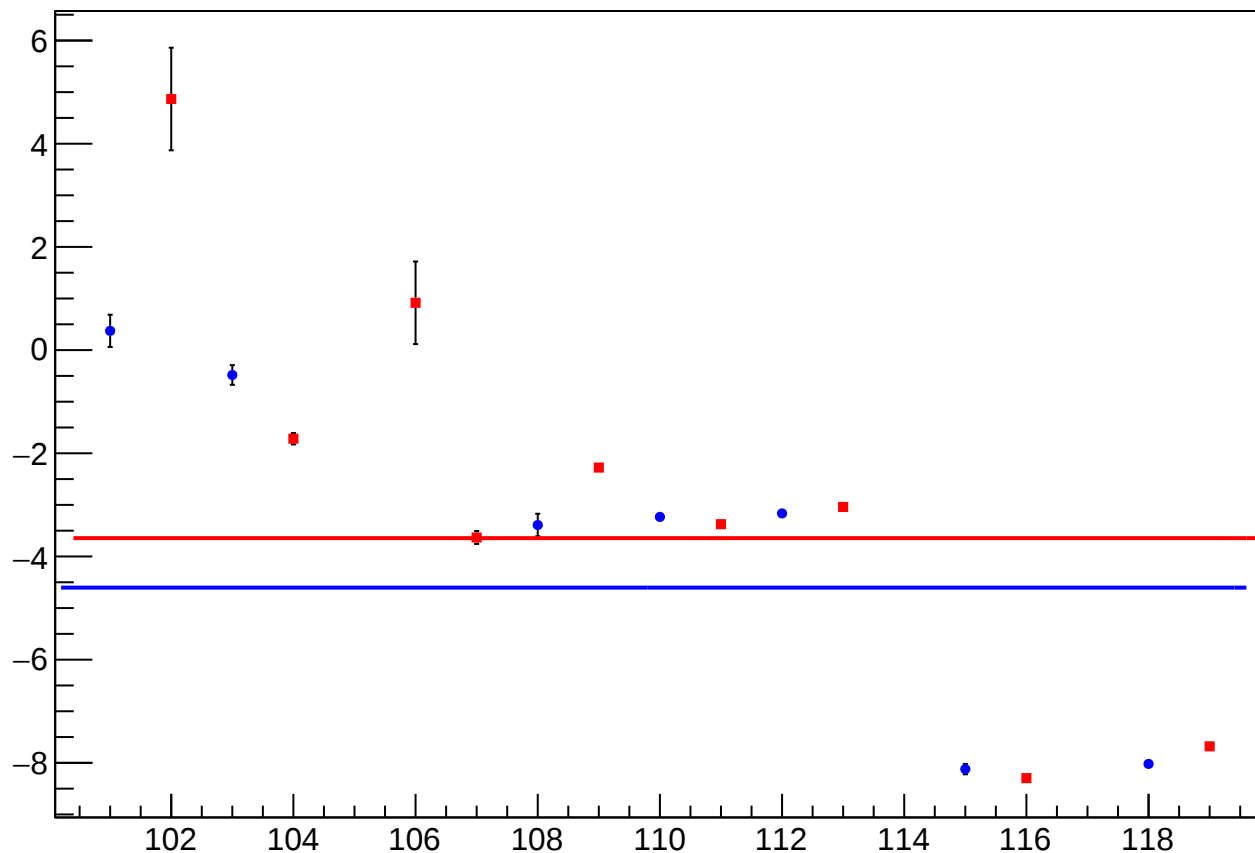
Right:  $0.510 \pm 0.026$   $\chi^2/\text{NDF}$ : 2184.2/15

In:  $-0.161 \pm 0.054$   $\chi^2/\text{NDF}$ : 520.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.510 \pm 0.026$   $\chi^2/\text{NDF}$ : 2184.2/15

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-4.604 \pm 0.022$   $\chi^2/\text{NDF}$ : 10431.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.645 \pm 0.013$   $\chi^2/\text{NDF}$ : 18911.2/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

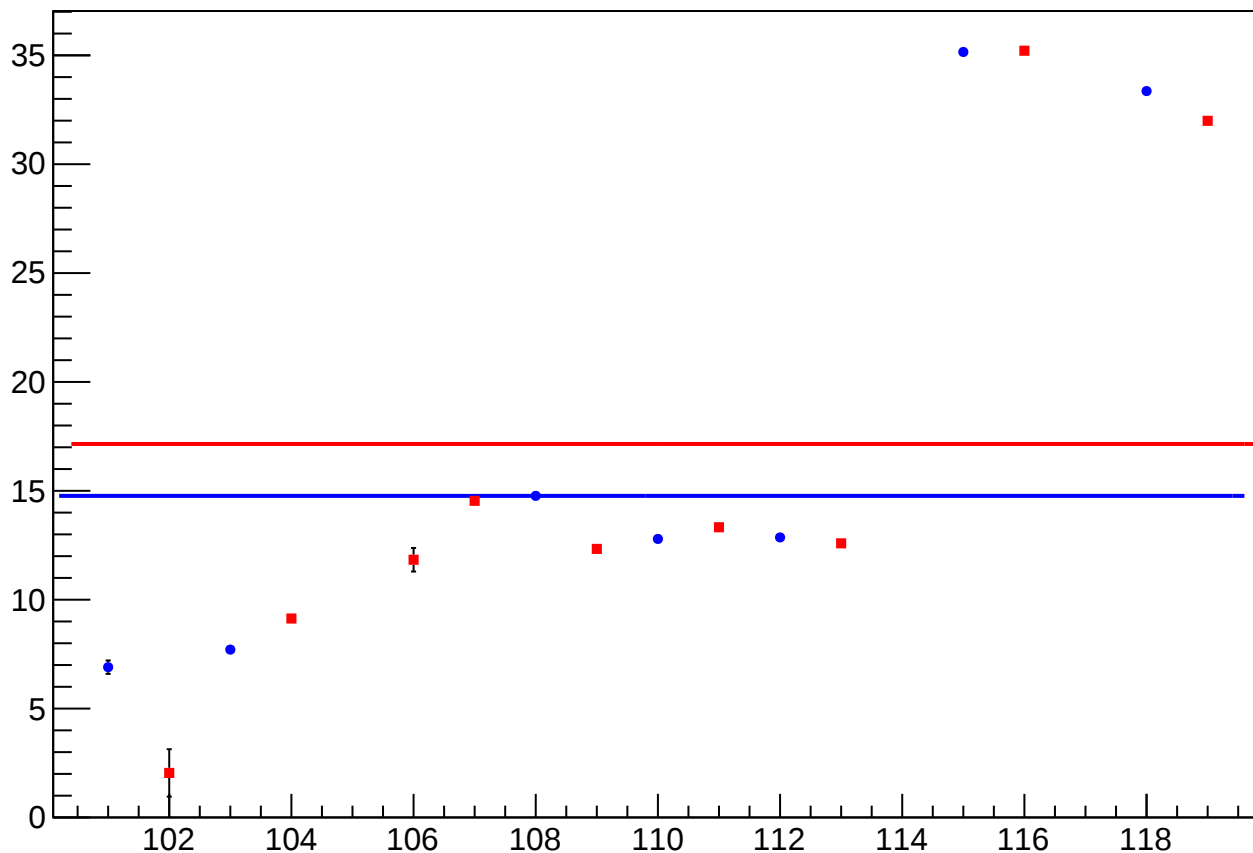
Right:  $-3.898 \pm 0.012$   $\chi^2/\text{NDF}$ : 30692.3/15

In:  $-4.604 \pm 0.022$   $\chi^2/\text{NDF}$ : 10431.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.898 \pm 0.012$   $\chi^2/\text{NDF}$ : 30692.3/15

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 14.768 $\pm$ 0.029  $\chi^2$ /NDF: 49594.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 17.152 $\pm$ 0.018  $\chi^2$ /NDF: 226317.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

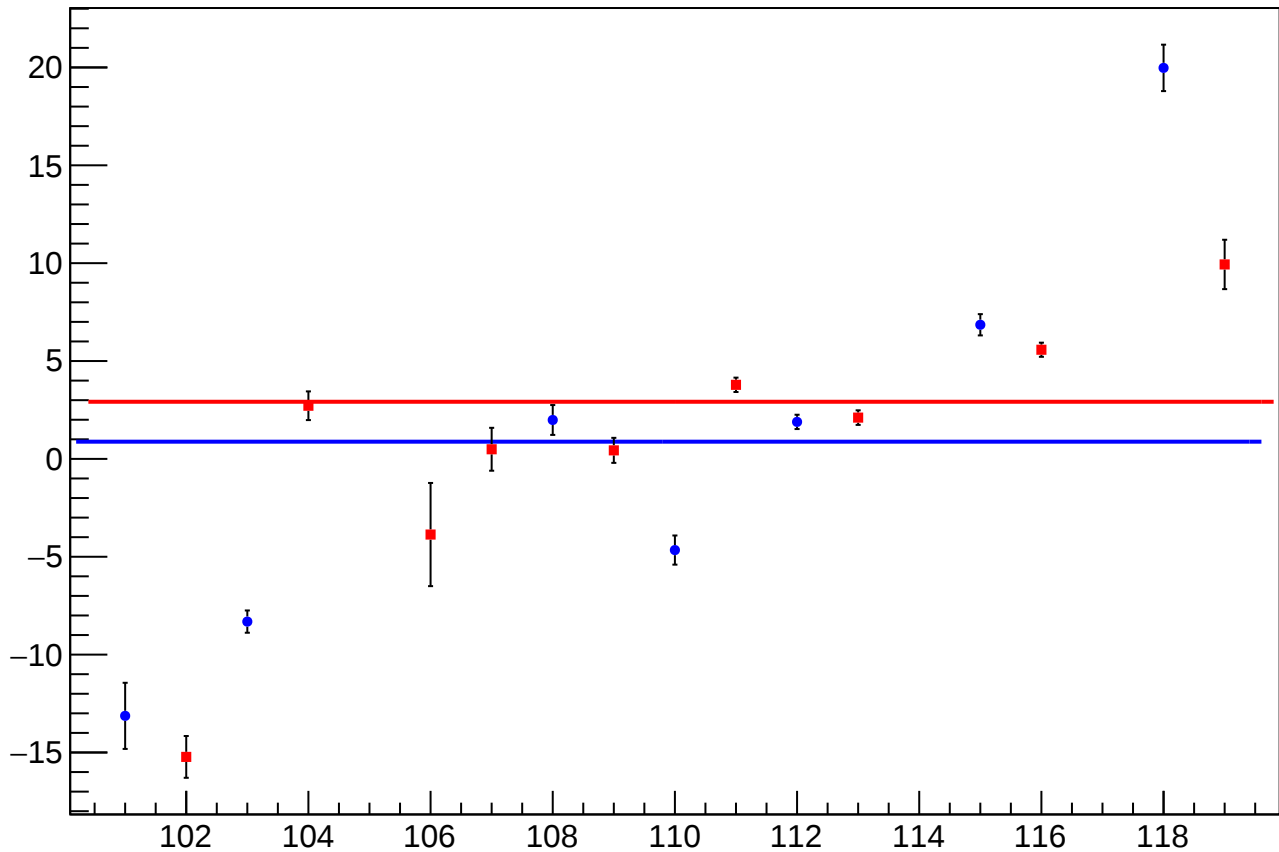
Right: 16.487 $\pm$ 0.015  $\chi^2$ /NDF: 280857.7/15

In: 14.768 $\pm$ 0.029  $\chi^2$ /NDF:49594.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 16.487 $\pm$ 0.015  $\chi^2$ /NDF: 280857.7/15

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: 0.880+/-0.232  $\chi^2/\text{NDF}$ : 774.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.919+/-0.185  $\chi^2/\text{NDF}$ : 410.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

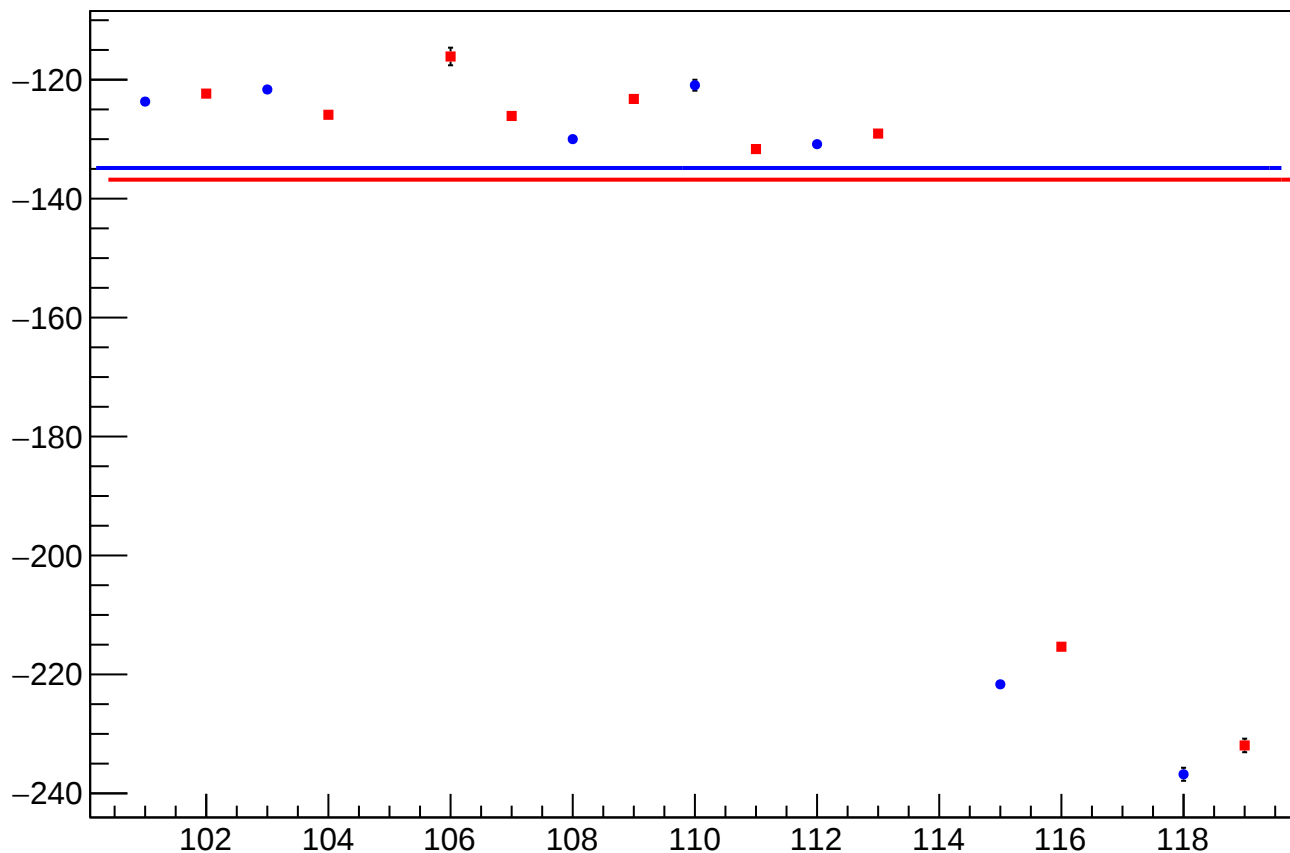
Right: 2.125+/-0.145  $\chi^2/\text{NDF}$ : 1232.7/15

In: 0.880+/-0.232  $\chi^2/\text{NDF}$ : 774.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.125+/-0.145  $\chi^2/\text{NDF}$ : 1232.7/15

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -134.846+/-0.110  $\chi^2/\text{NDF}$ : 82927.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -136.810+/-0.119  $\chi^2/\text{NDF}$ : 73327.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

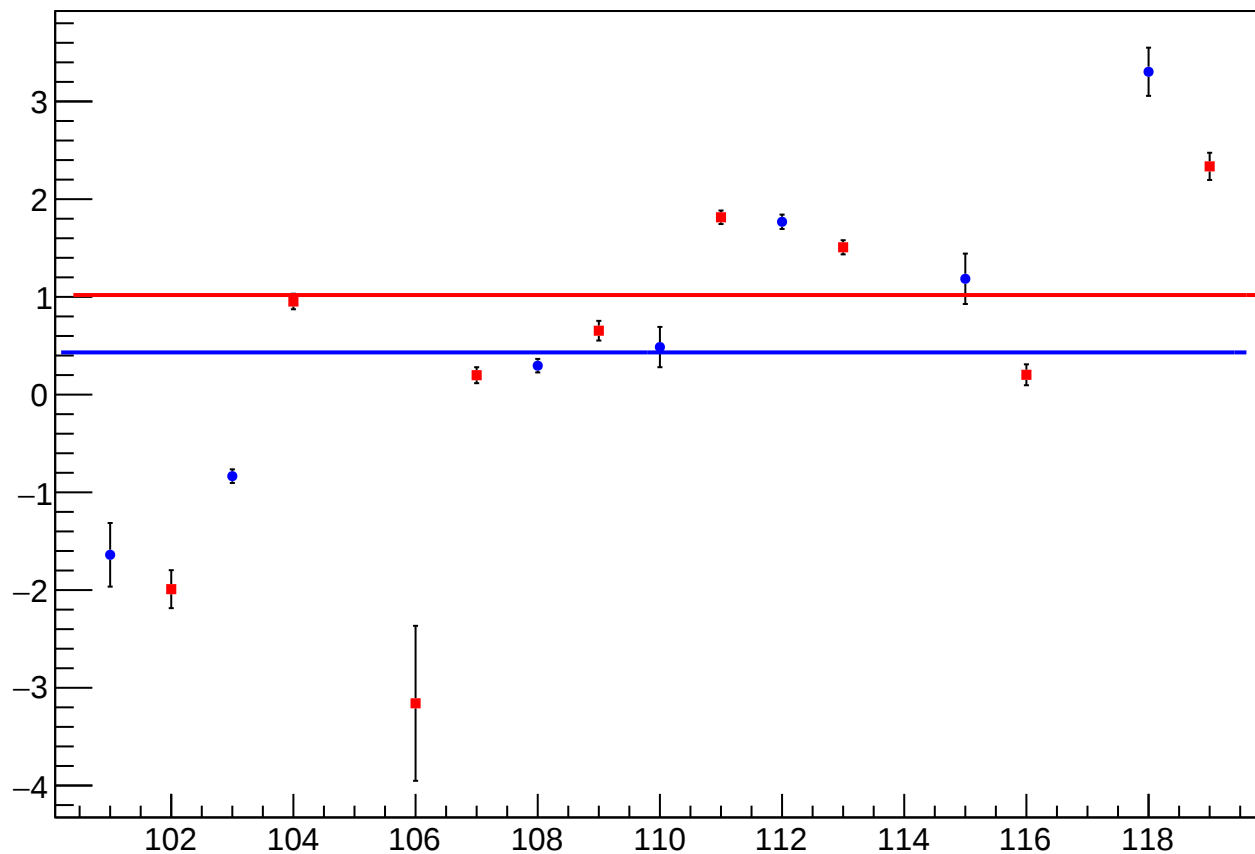
Right: -135.751+/-0.081  $\chi^2/\text{NDF}$ : 156401.1/15

In: -134.846+/-0.110  $\chi^2/\text{NDF}$ : 82927.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -135.751+/-0.081  $\chi^2/\text{NDF}$ : 156401.1/15

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.432 $\pm$ 0.039  $\chi^2$ /NDF: 844.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.019 $\pm$ 0.032  $\chi^2$ /NDF: 707.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

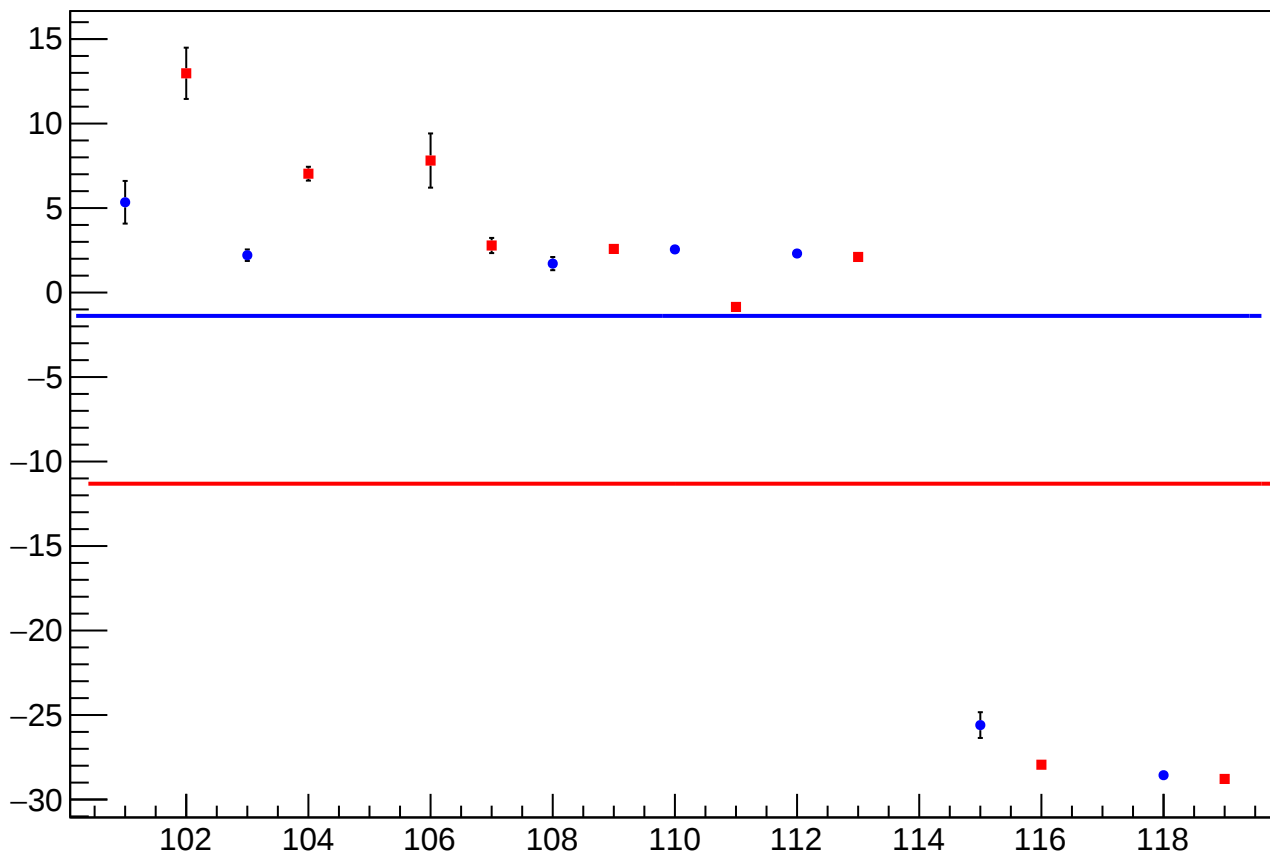
Right: 0.782 $\pm$ 0.025  $\chi^2$ /NDF: 1687.1/15

In: 0.432 $\pm$ 0.039  $\chi^2$ /NDF:844.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.782 $\pm$ 0.025  $\chi^2$ /NDF: 1687.1/15

# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: -1.382+/-0.079  $\chi^2/\text{NDF}$ : 16023.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.312+/-0.060  $\chi^2/\text{NDF}$ : 62462.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

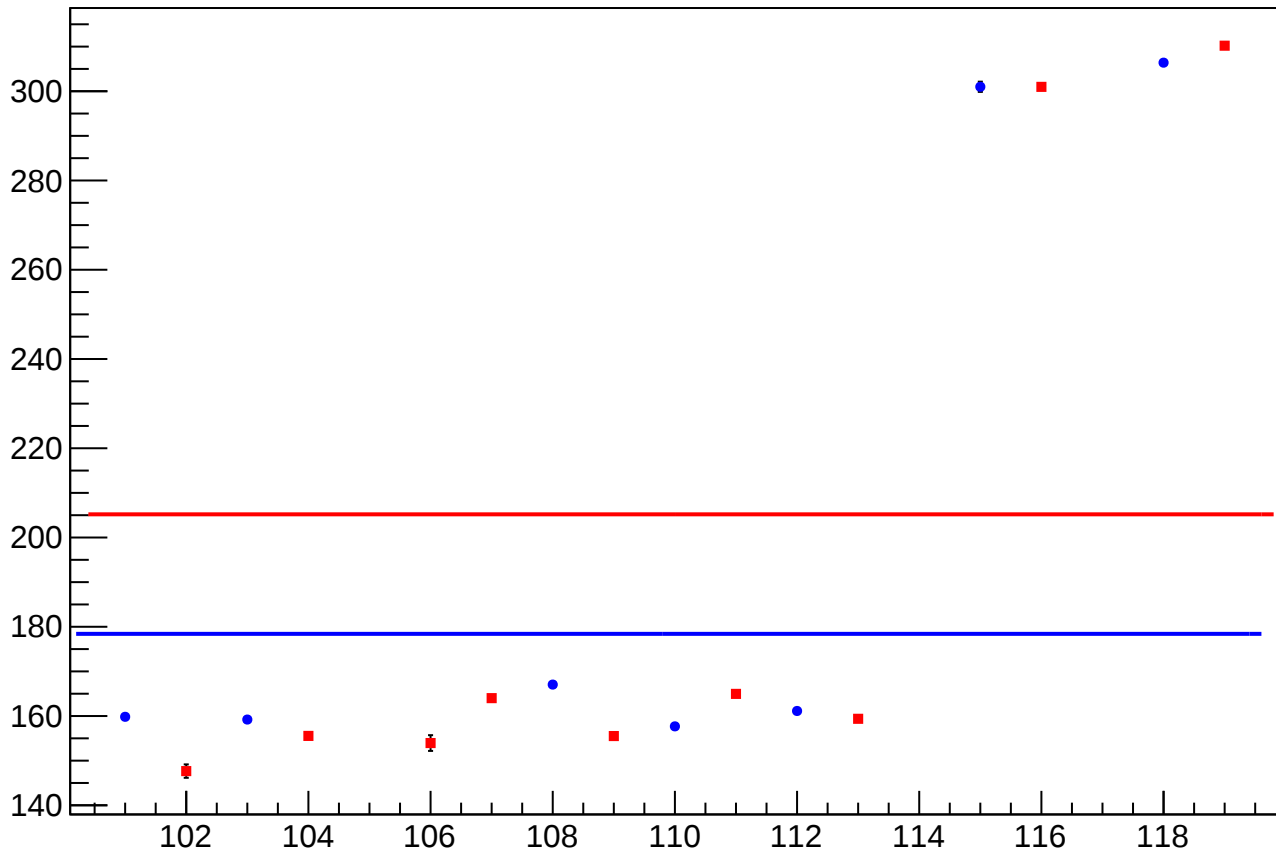
Right: -7.699+/-0.048  $\chi^2/\text{NDF}$ : 88449.8/15

In: -1.382+/-0.079  $\chi^2/\text{NDF}$ : 16023.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.699+/-0.048  $\chi^2/\text{NDF}$ : 88449.8/15

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 178.413+/-0.133  $\chi^2/\text{NDF}$ : 130230.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 205.195+/-0.099  $\chi^2/\text{NDF}$ : 482335.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

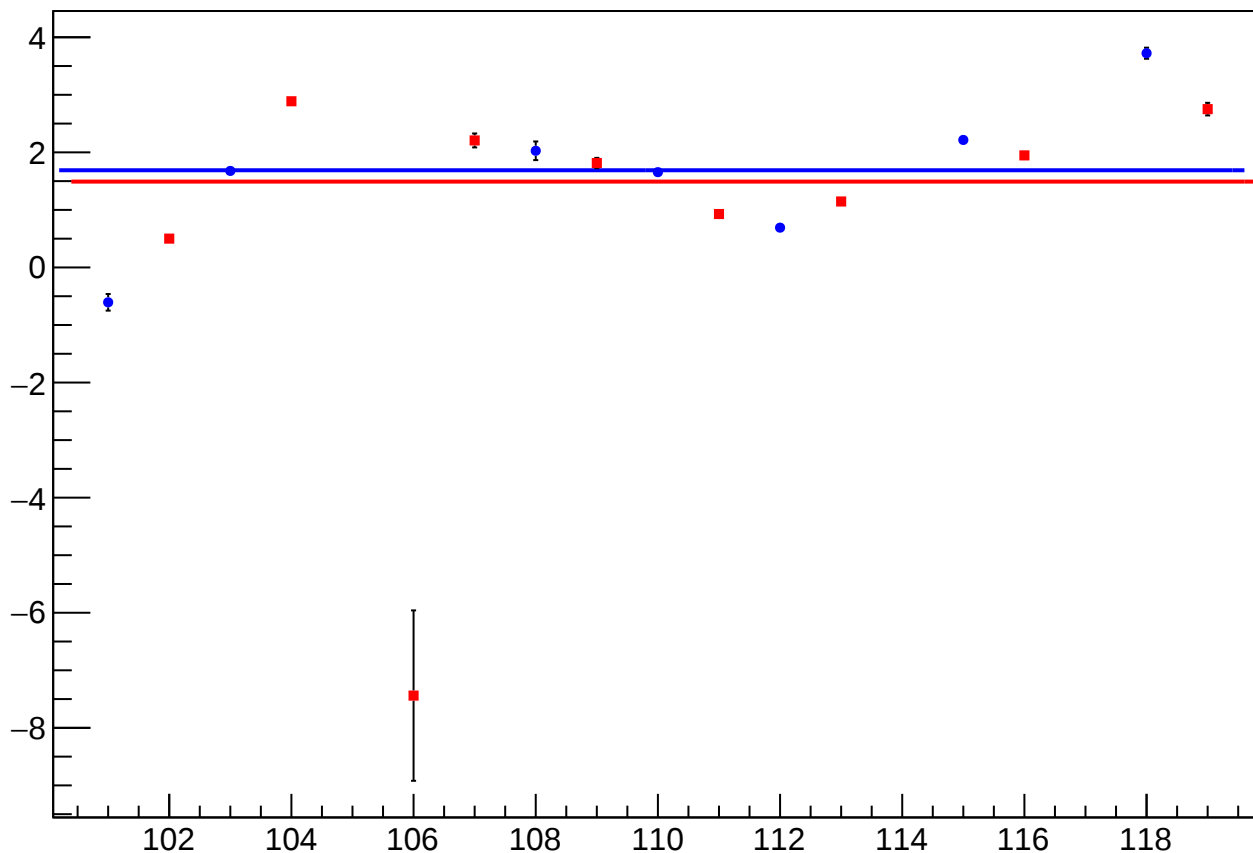
Right: 195.626+/-0.079  $\chi^2/\text{NDF}$ : 638648.0/15

In: 178.413+/-0.133  $\chi^2/\text{NDF}$ : 130230.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 195.626+/-0.079  $\chi^2/\text{NDF}$ : 638648.0/15

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 1.689 $\pm$ 0.029  $\chi^2$ /NDF: 916.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.492 $\pm$ 0.015  $\chi^2$ /NDF: 1542.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

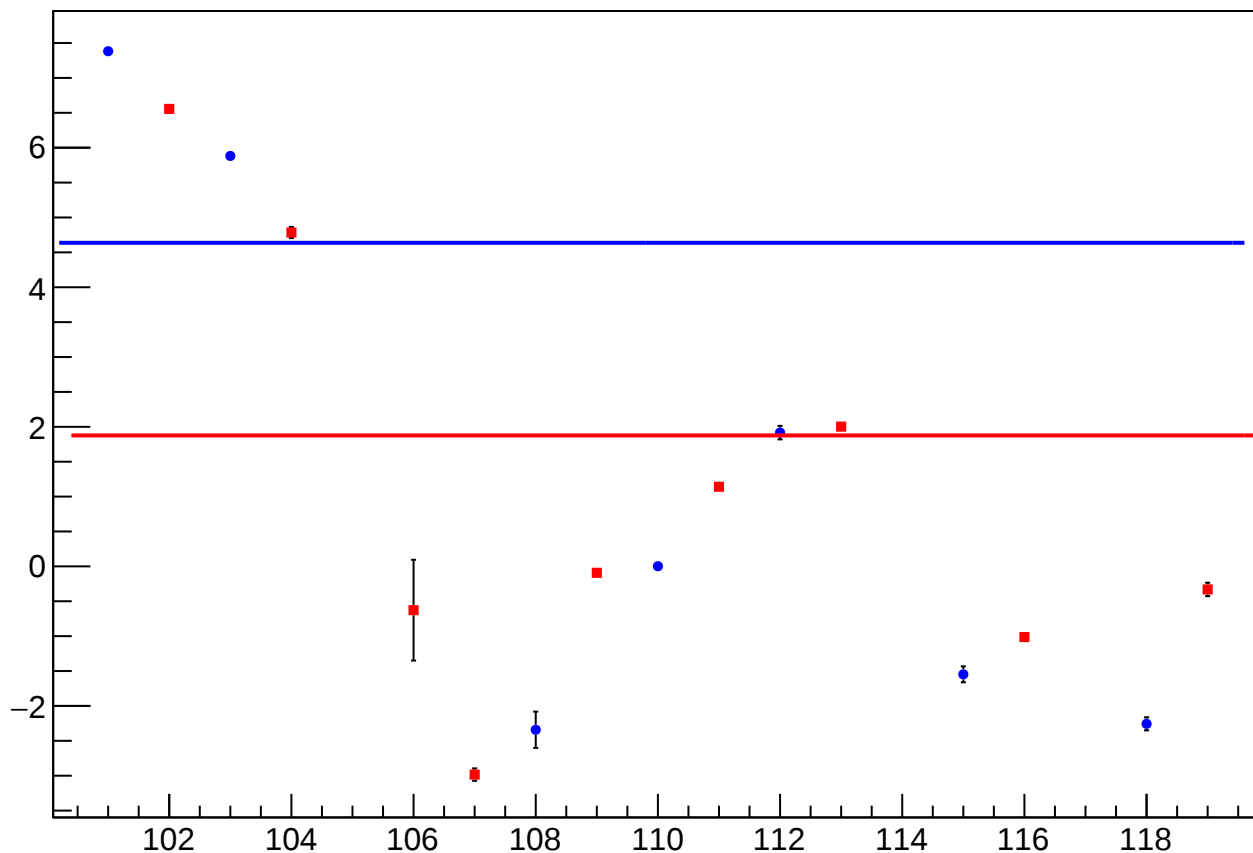
Right: 1.534 $\pm$ 0.013  $\chi^2$ /NDF: 2496.0/15

In: 1.689 $\pm$ 0.029  $\chi^2$ /NDF: 916.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.534 $\pm$ 0.013  $\chi^2$ /NDF: 2496.0/15

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: 4.637 $\pm$ 0.021  $\chi^2$ /NDF: 19693.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.876 $\pm$ 0.015  $\chi^2$ /NDF: 38099.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

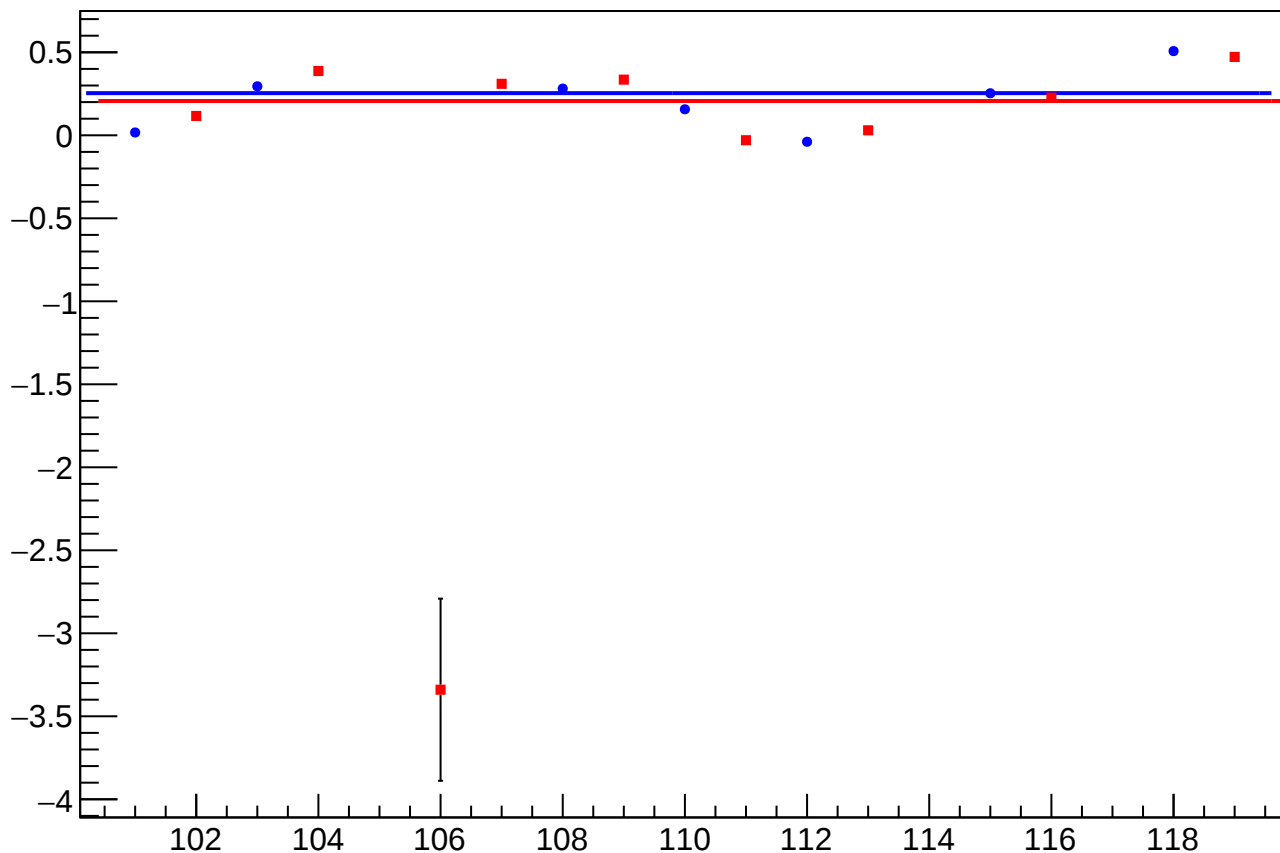
Right: 2.787 $\pm$ 0.012  $\chi^2$ /NDF: 69268.3/15

In: 4.637 $\pm$ 0.021  $\chi^2$ /NDF:19693.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.787 $\pm$ 0.012  $\chi^2$ /NDF: 69268.3/15

# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.254+/-0.004  $\chi^2/\text{NDF}$ : 654.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.207+/-0.003  $\chi^2/\text{NDF}$ : 3710.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

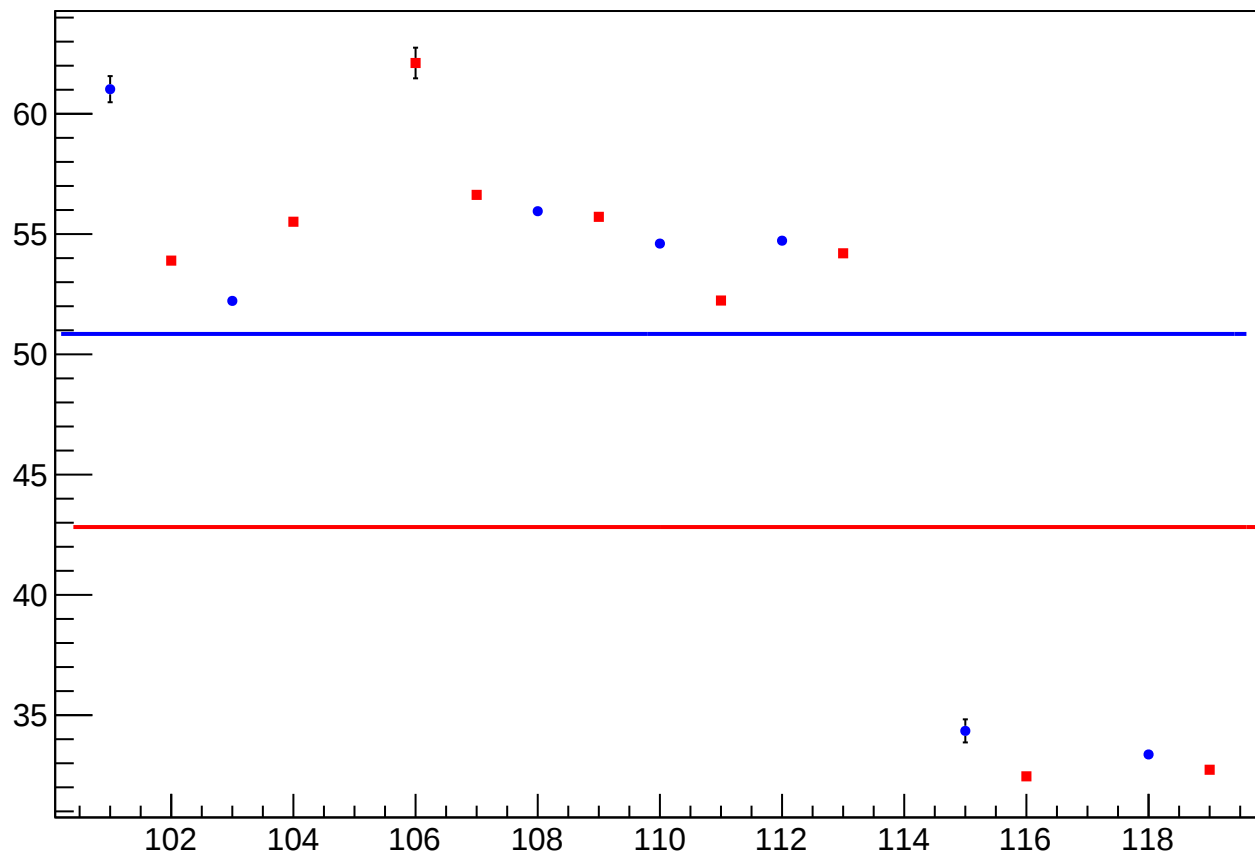
Right: 0.221+/-0.002  $\chi^2/\text{NDF}$ : 4451.3/15

In: 0.254+/-0.004  $\chi^2/\text{NDF}$ : 654.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.221+/-0.002  $\chi^2/\text{NDF}$ : 4451.3/15

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 50.848+/-0.037  $\chi^2/\text{NDF}$ : 42969.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 42.820+/-0.027  $\chi^2/\text{NDF}$ : 170092.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

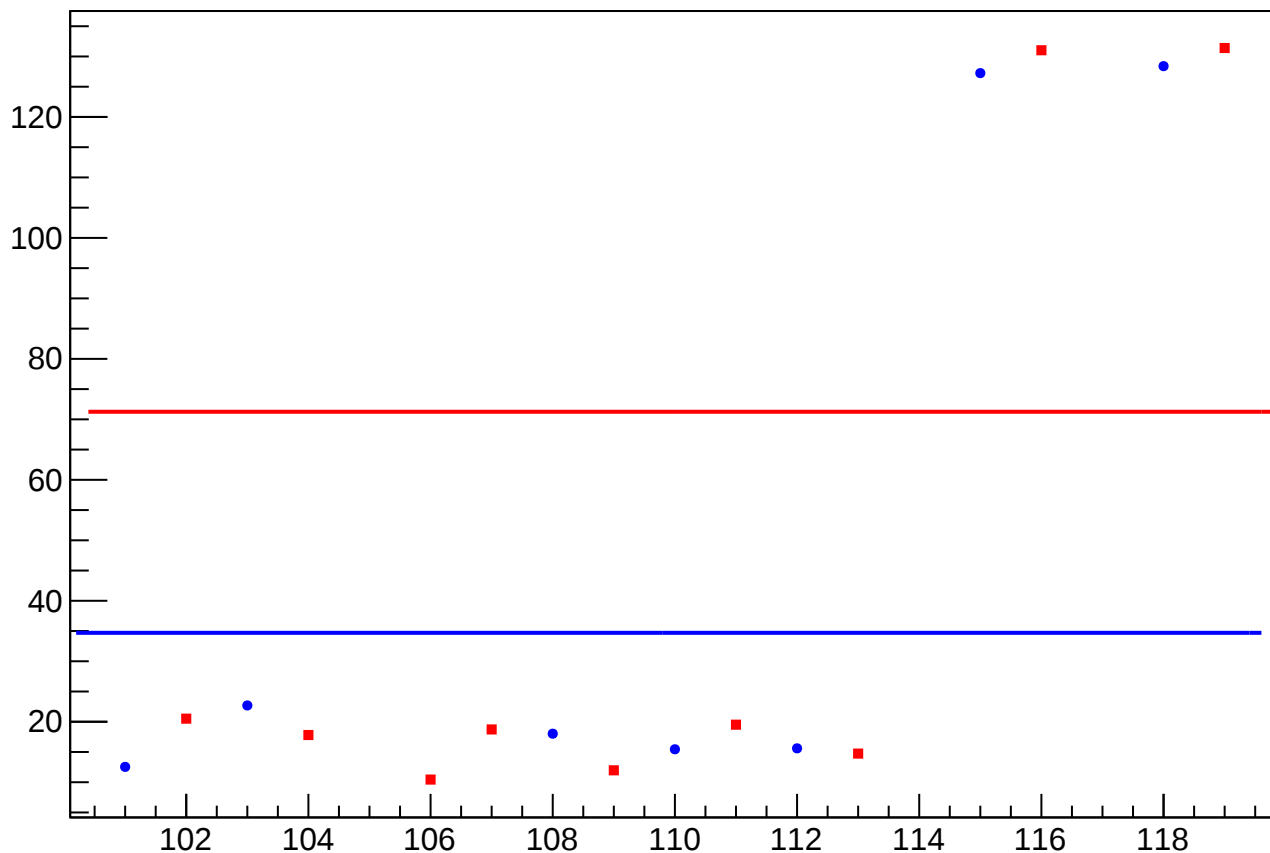
Right: 45.614+/-0.022  $\chi^2/\text{NDF}$ : 244130.5/15

In: 50.848+/-0.037  $\chi^2/\text{NDF}$ : 42969.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 45.614+/-0.022  $\chi^2/\text{NDF}$ : 244130.5/15

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 34.704+/-0.045  $\chi^2/\text{NDF}$ : 699625.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 71.254+/-0.040  $\chi^2/\text{NDF}$ : 2118405.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

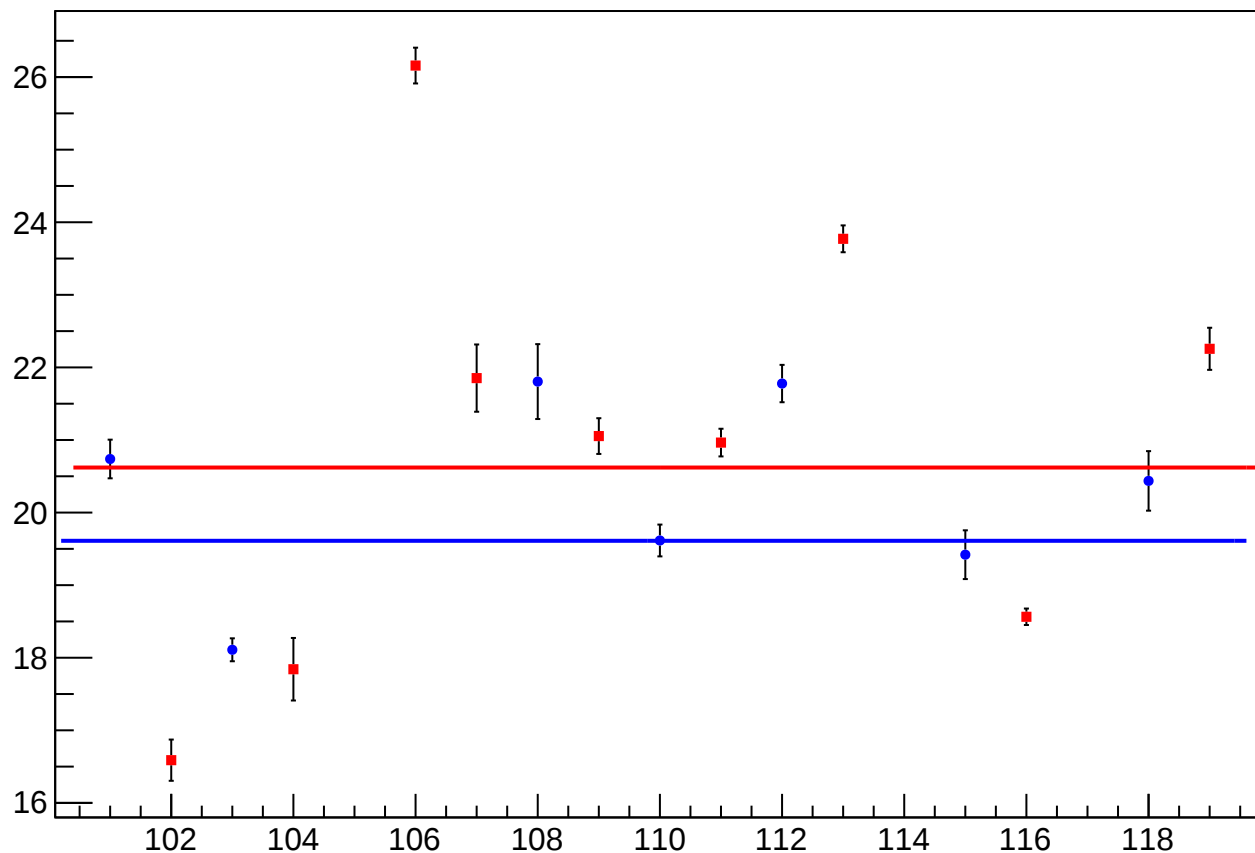
Right: 55.380+/-0.030  $\chi^2/\text{NDF}$ : 3187844.2/15

In: 34.704+/-0.045  $\chi^2/\text{NDF}$ : 699625.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 55.380+/-0.030  $\chi^2/\text{NDF}$ : 3187844.2/15

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 19.611+/-0.096  $\chi^2/\text{NDF}$ : 201.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.621+/-0.070  $\chi^2/\text{NDF}$ : 1412.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

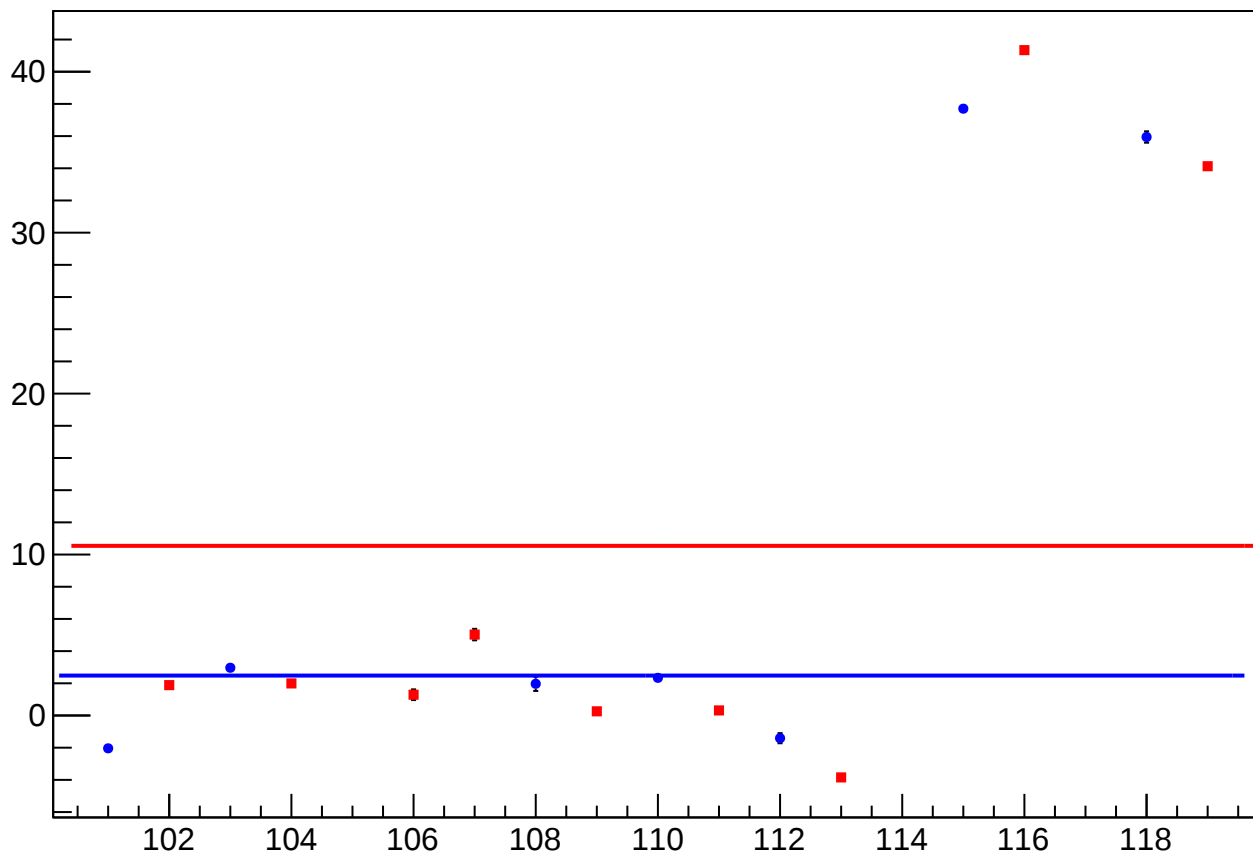
Right: 20.267+/-0.057  $\chi^2/\text{NDF}$ : 1686.0/15

In: 19.611+/-0.096  $\chi^2/\text{NDF}$ : 201.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.267+/-0.057  $\chi^2/\text{NDF}$ : 1686.0/15

# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In: 2.481+/-0.050  $\chi^2/\text{NDF}$ : 28216.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.541+/-0.066  $\chi^2/\text{NDF}$ : 65930.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

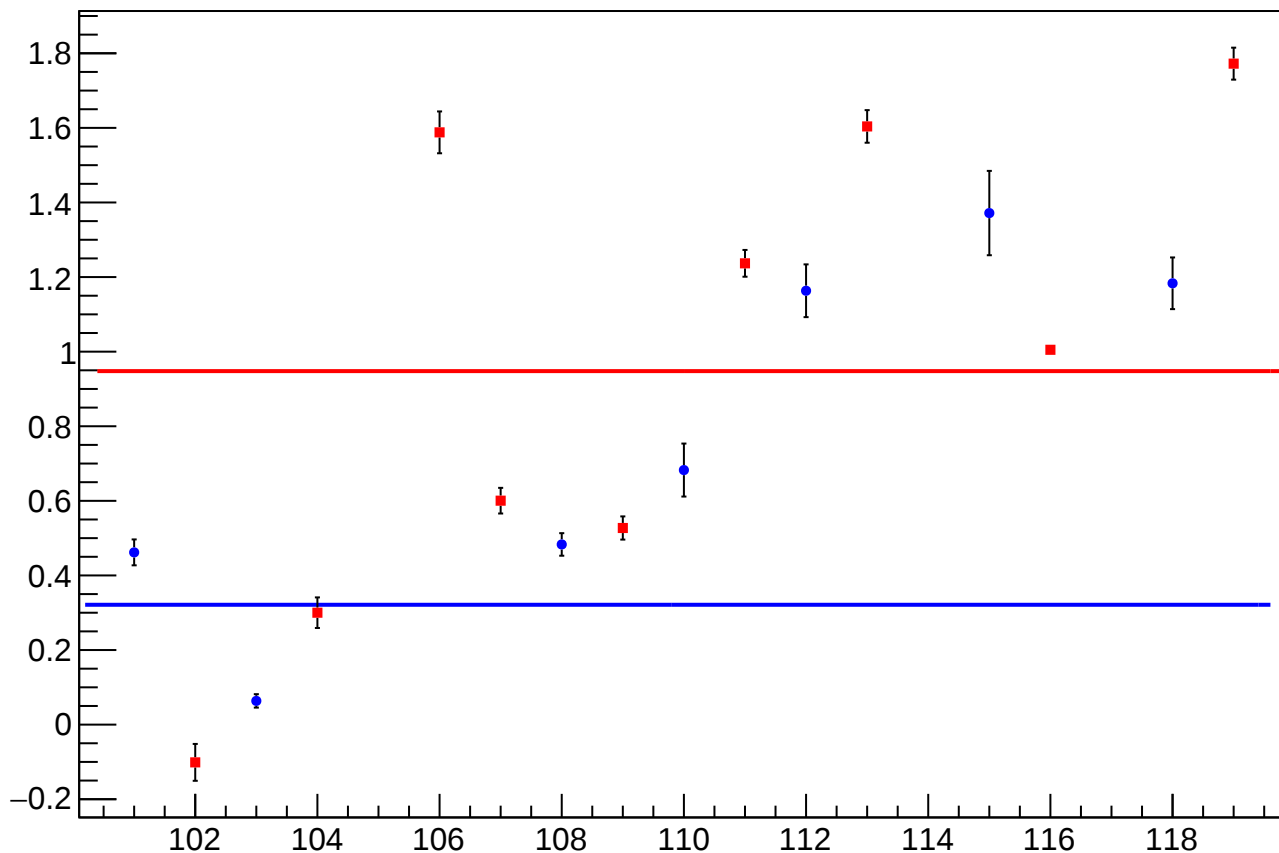
Right: 5.372+/-0.040  $\chi^2/\text{NDF}$ : 103653.0/15

In: 2.481+/-0.050  $\chi^2/\text{NDF}$ : 28216.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.372+/-0.040  $\chi^2/\text{NDF}$ : 103653.0/15

# dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.321+/-0.013  $\chi^2/\text{NDF}$ : 658.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.948+/-0.010  $\chi^2/\text{NDF}$ : 1794.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

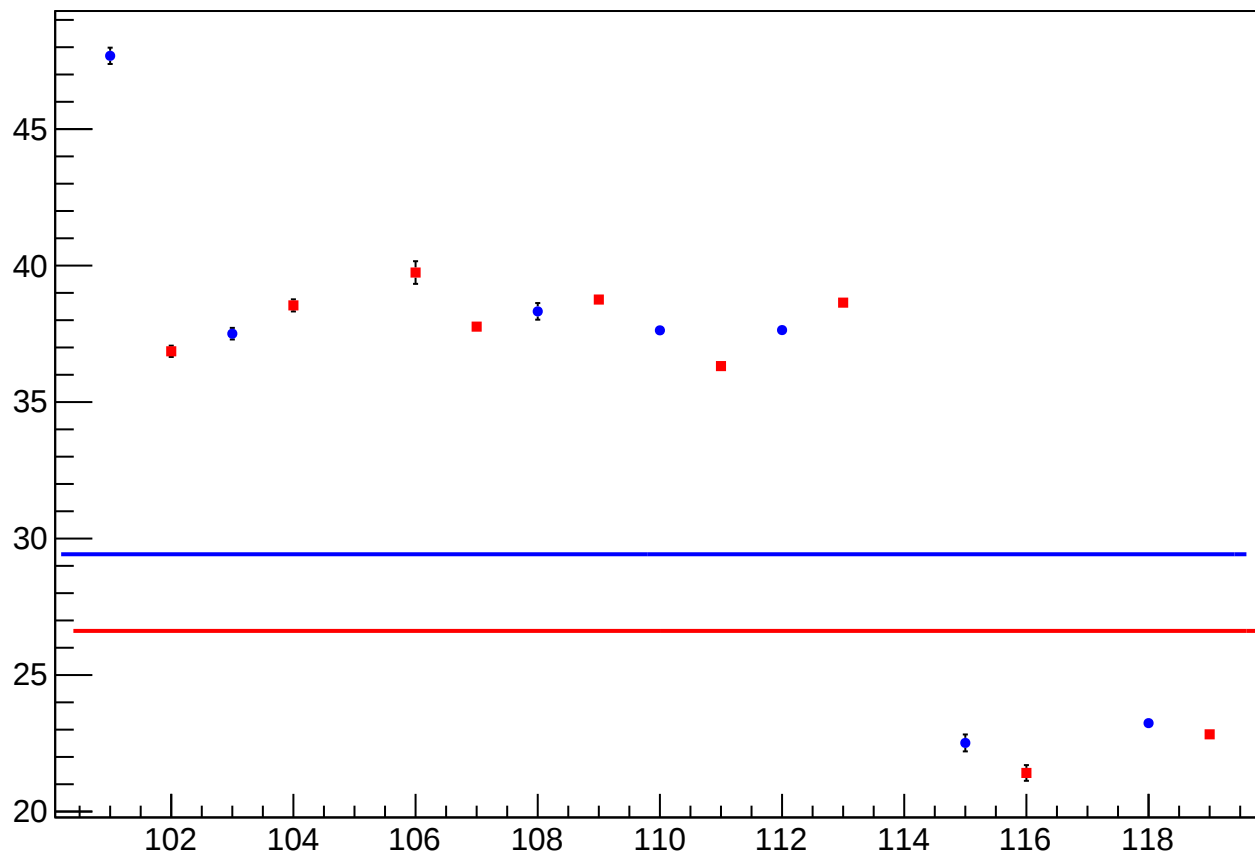
Right: 0.730+/-0.008  $\chi^2/\text{NDF}$ : 3912.3/15

In: 0.321+/-0.013  $\chi^2/\text{NDF}$ :658.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.730+/-0.008  $\chi^2/\text{NDF}$ : 3912.3/15

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 29.425+/-0.035  $\chi^2/\text{NDF}$ : 43850.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.617+/-0.021  $\chi^2/\text{NDF}$ : 94057.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

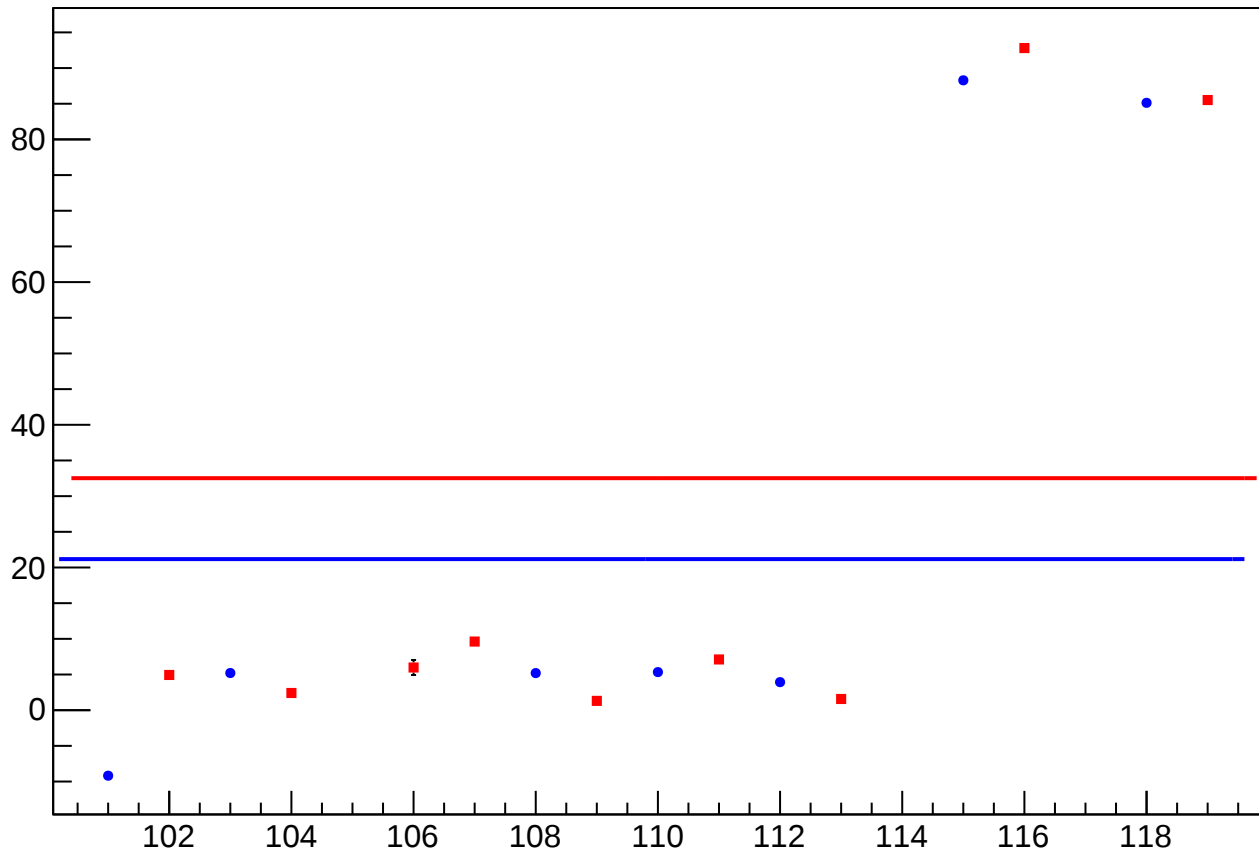
Right: 27.364+/-0.018  $\chi^2/\text{NDF}$ : 142567.9/15

In: 29.425+/-0.035  $\chi^2/\text{NDF}$ : 43850.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.364+/-0.018  $\chi^2/\text{NDF}$ : 142567.9/15

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: 21.175+/-0.052  $\chi^2/\text{NDF}$ : 417531.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.518+/-0.049  $\chi^2/\text{NDF}$ : 637752.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

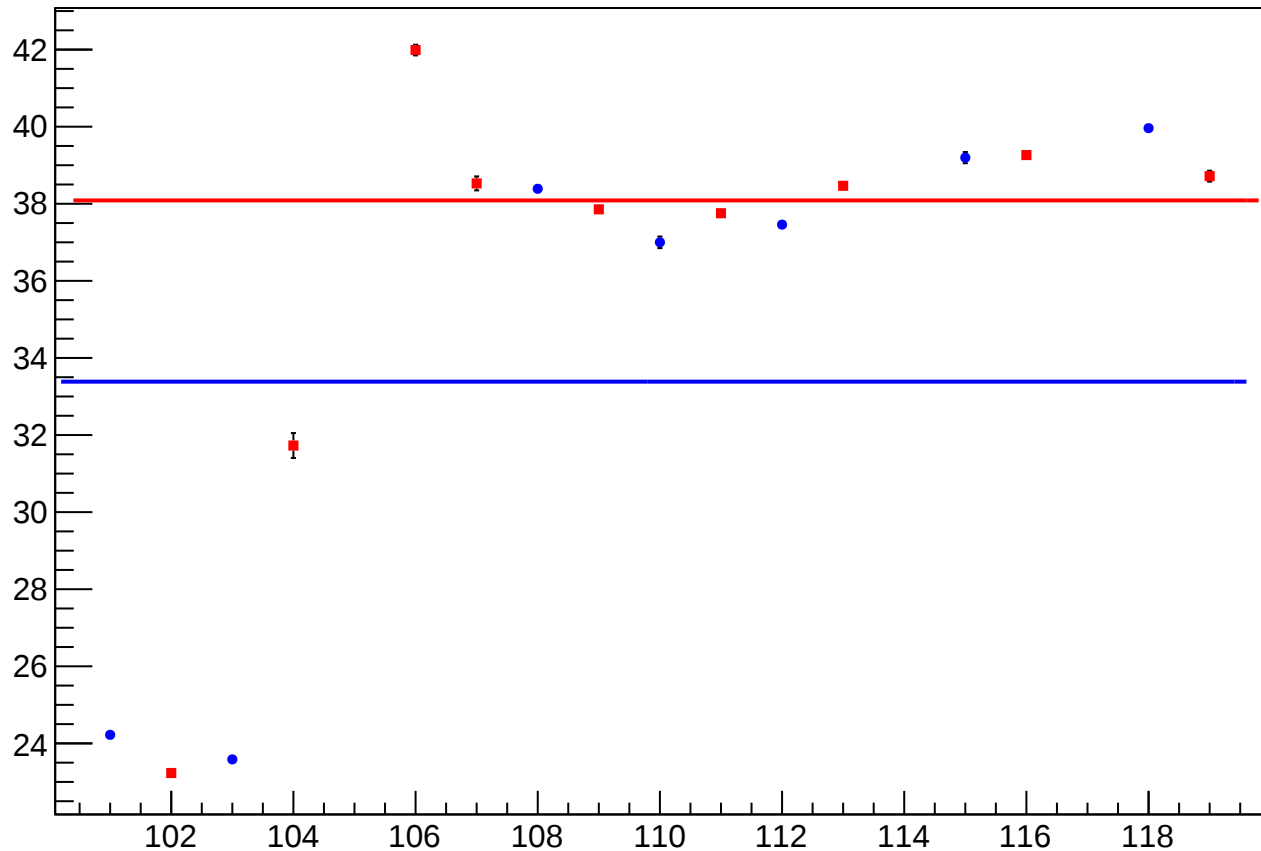
Right: 27.161+/-0.036  $\chi^2/\text{NDF}$ : 1080620.2/15

In: 21.175+/-0.052  $\chi^2/\text{NDF}$ : 417531.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.161+/-0.036  $\chi^2/\text{NDF}$ : 1080620.2/15

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 33.385+/-0.035  $\chi^2/\text{NDF}$ : 36266.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 38.087+/-0.021  $\chi^2/\text{NDF}$ : 16553.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

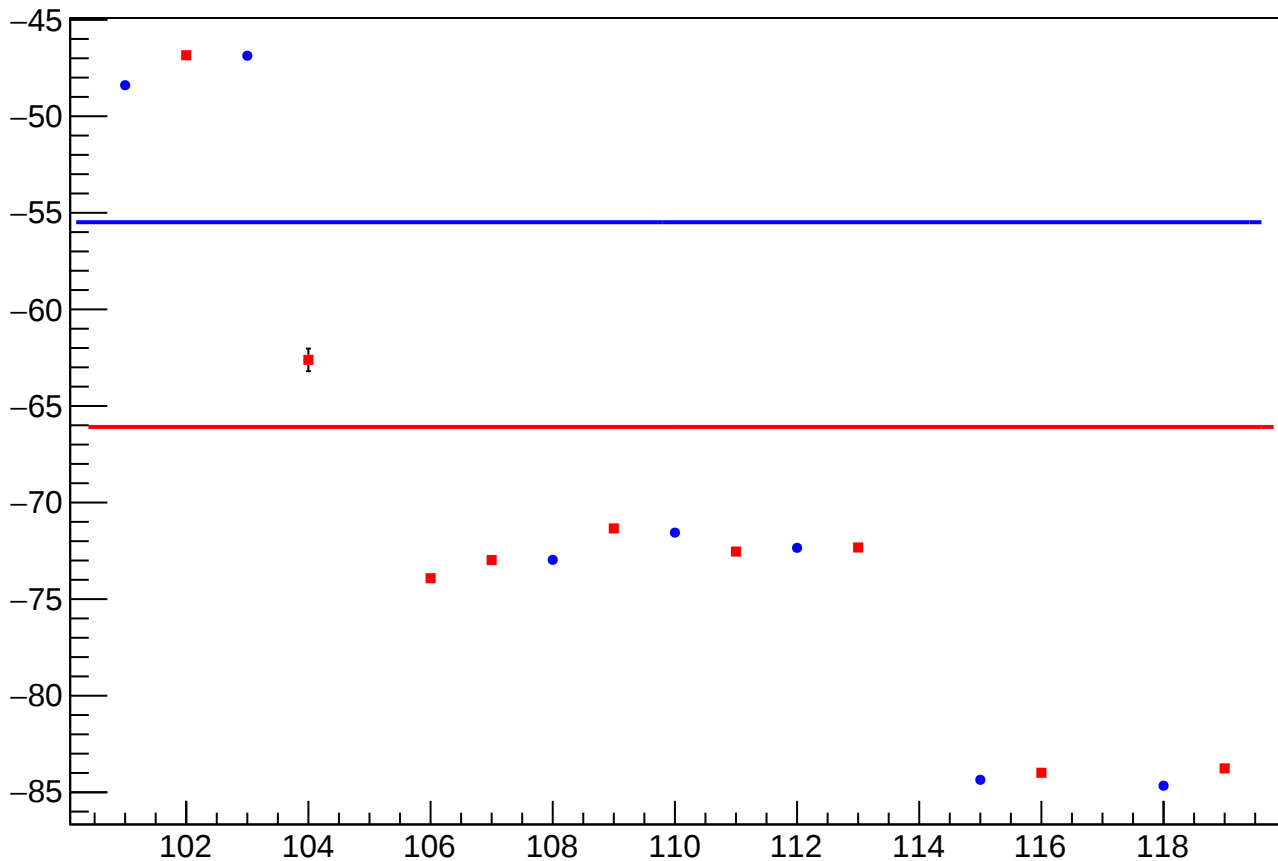
Right: 36.825+/-0.018  $\chi^2/\text{NDF}$ : 65859.6/15

In: 33.385+/-0.035  $\chi^2/\text{NDF}$ : 36266.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.825+/-0.018  $\chi^2/\text{NDF}$ : 65859.6/15

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -55.488 $\pm$ 0.022  $\chi^2$ /NDF: 358094.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -66.085 $\pm$ 0.016  $\chi^2$ /NDF: 768631.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

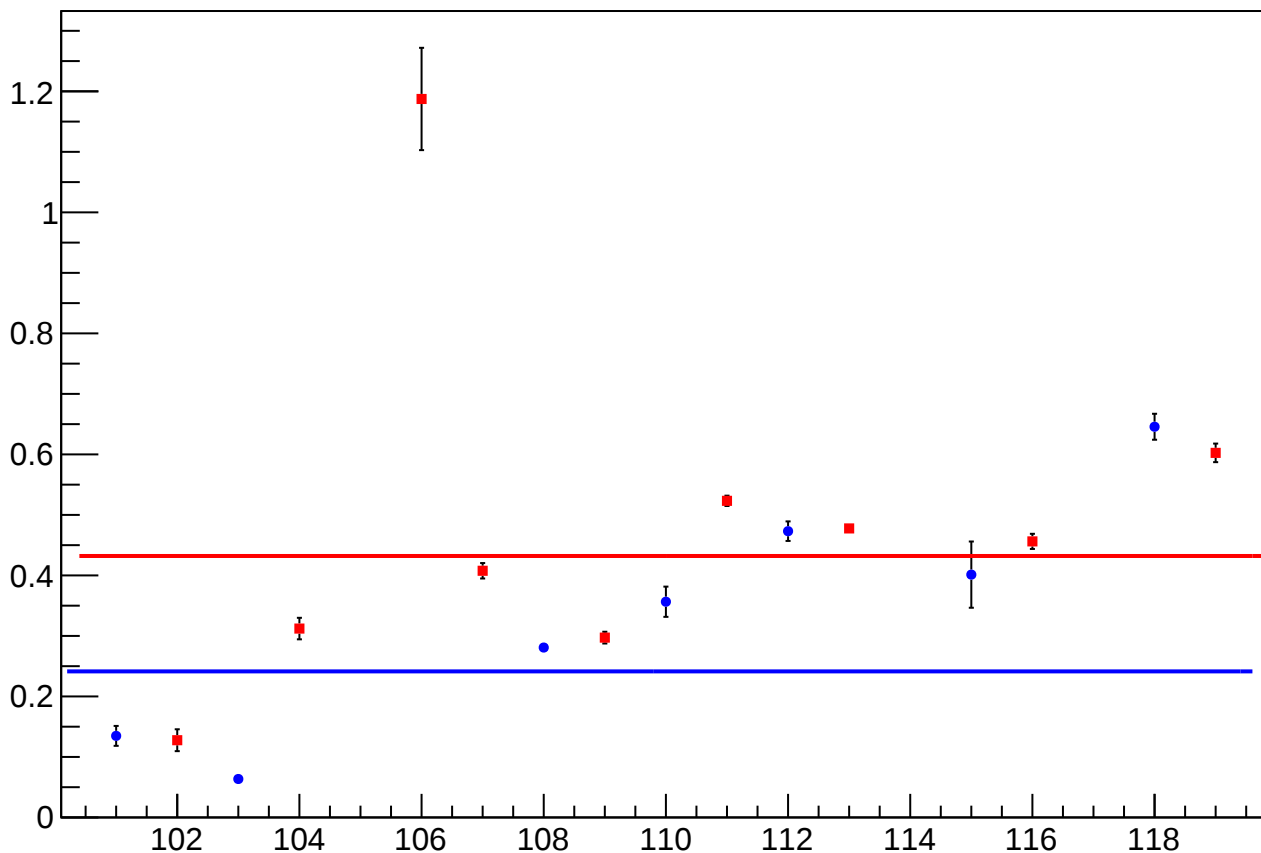
Right: -62.331 $\pm$ 0.013  $\chi^2$ /NDF: 1278360.2/15

In: -55.488 $\pm$ 0.022  $\chi^2$ /NDF: 358094.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -62.331 $\pm$ 0.013  $\chi^2$ /NDF: 1278360.2/15

# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.241+/-0.004  $\chi^2/\text{NDF}$ : 1180.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.432+/-0.004  $\chi^2/\text{NDF}$ : 876.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

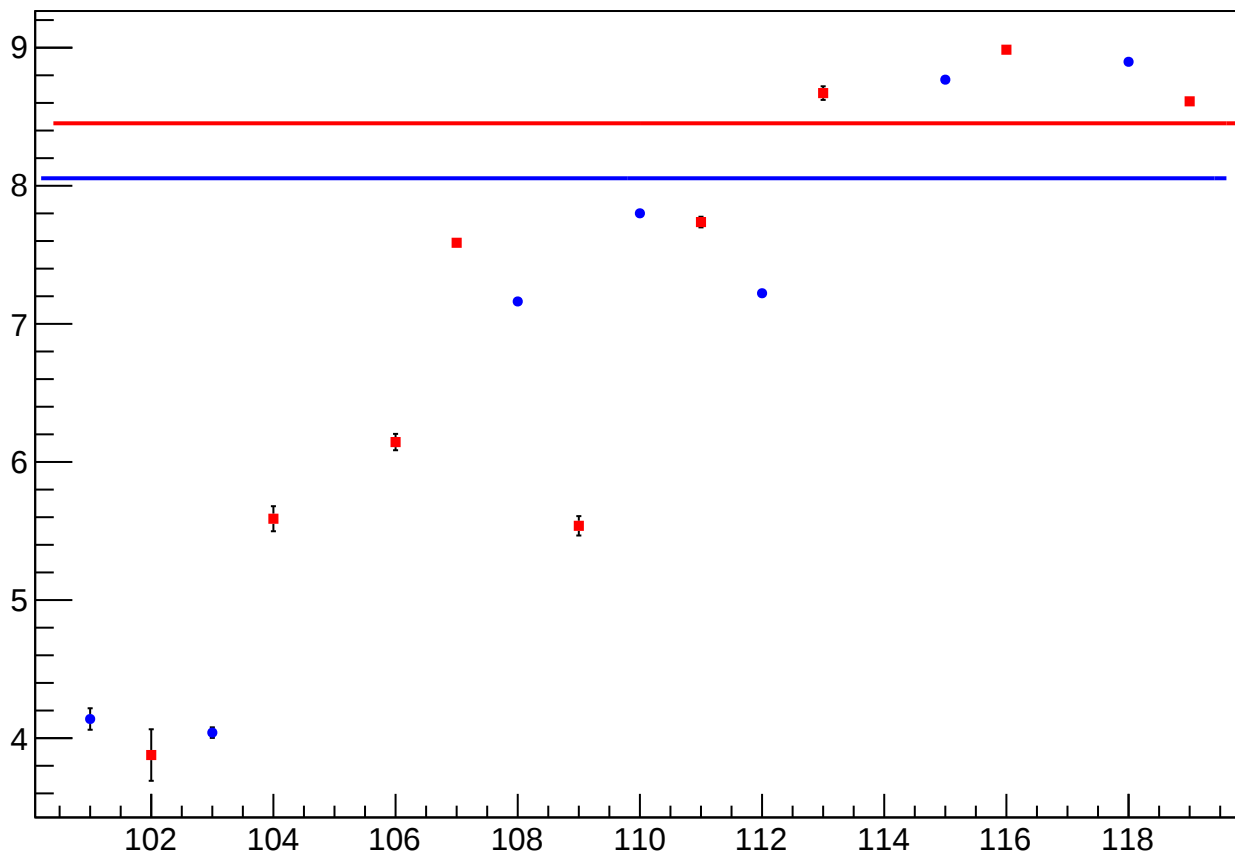
Right: 0.340+/-0.003  $\chi^2/\text{NDF}$ : 3145.9/15

In: 0.241+/-0.004  $\chi^2/\text{NDF}$ : 1180.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.340+/-0.003  $\chi^2/\text{NDF}$ : 3145.9/15

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.054+/-0.009  $\chi^2/\text{NDF}$ : 20927.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.452+/-0.009  $\chi^2/\text{NDF}$ : 7676.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

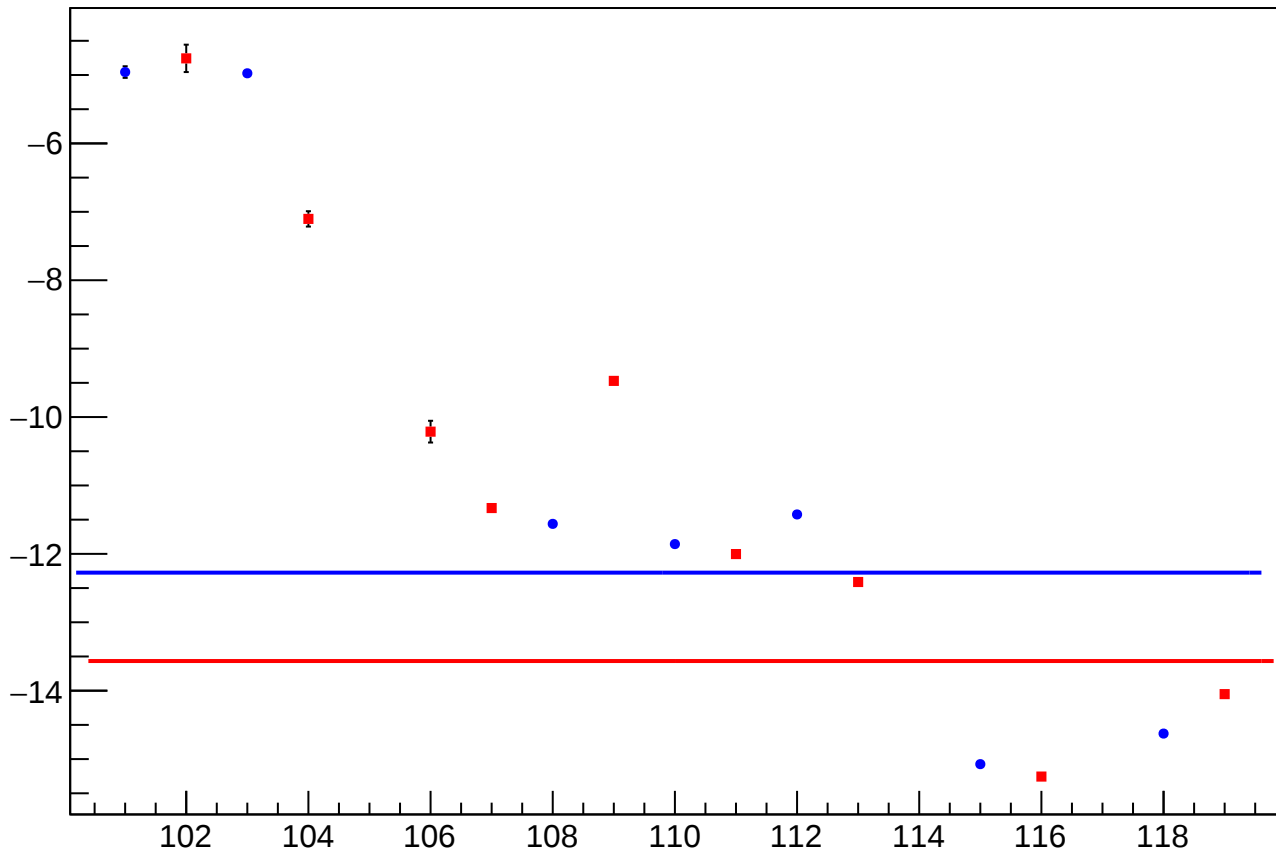
Right: 8.262+/-0.006  $\chi^2/\text{NDF}$ : 29602.9/15

In: 8.054+/-0.009  $\chi^2/\text{NDF}$ : 20927.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.262+/-0.006  $\chi^2/\text{NDF}$ : 29602.9/15

# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -12.274+/-0.013  $\chi^2/\text{NDF}$ : 60145.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.567+/-0.009  $\chi^2/\text{NDF}$ : 31800.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

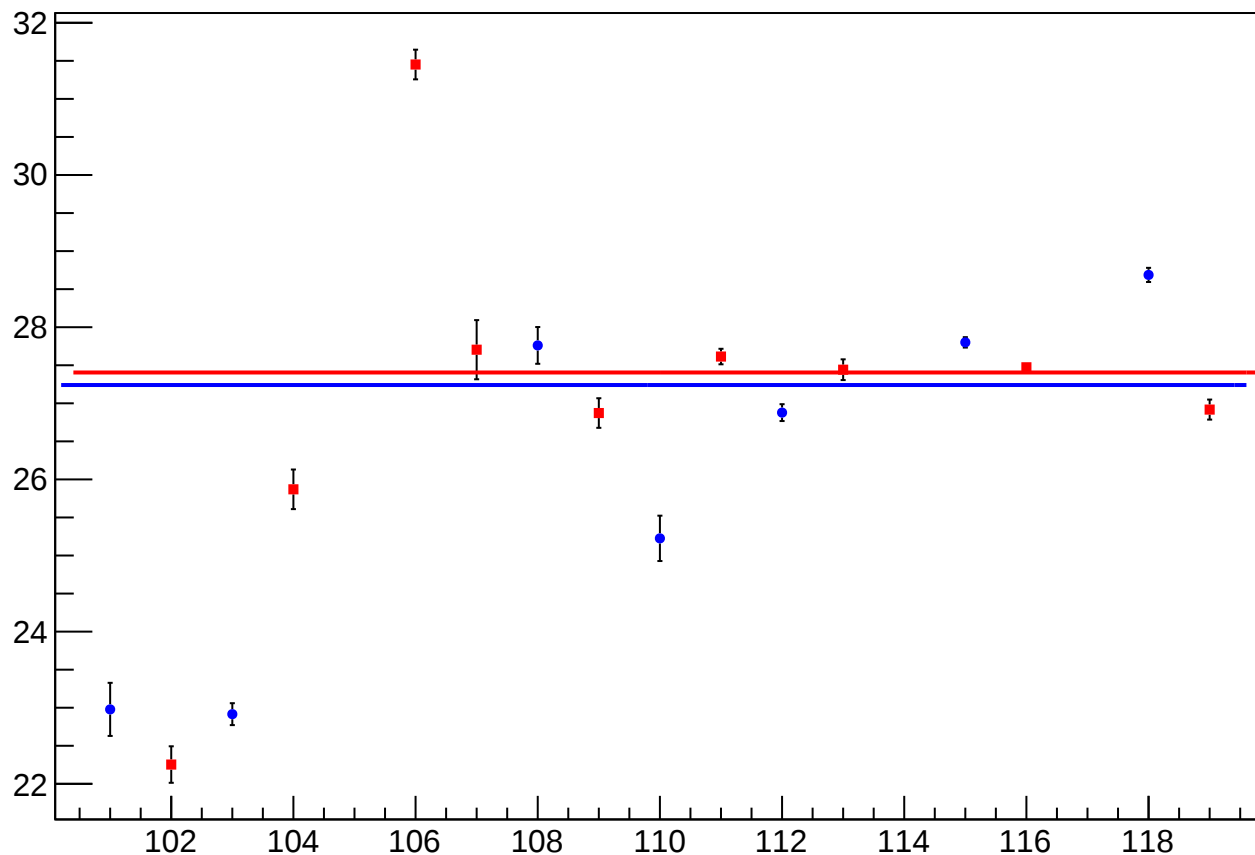
Right: -13.141+/-0.007  $\chi^2/\text{NDF}$ : 98915.1/15

In: -12.274+/-0.013  $\chi^2/\text{NDF}$ : 60145.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.141+/-0.007  $\chi^2/\text{NDF}$ : 98915.1/15

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 27.240 $\pm$ 0.045  $\chi^2$ /NDF: 1421.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.405 $\pm$ 0.039  $\chi^2$ /NDF: 954.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

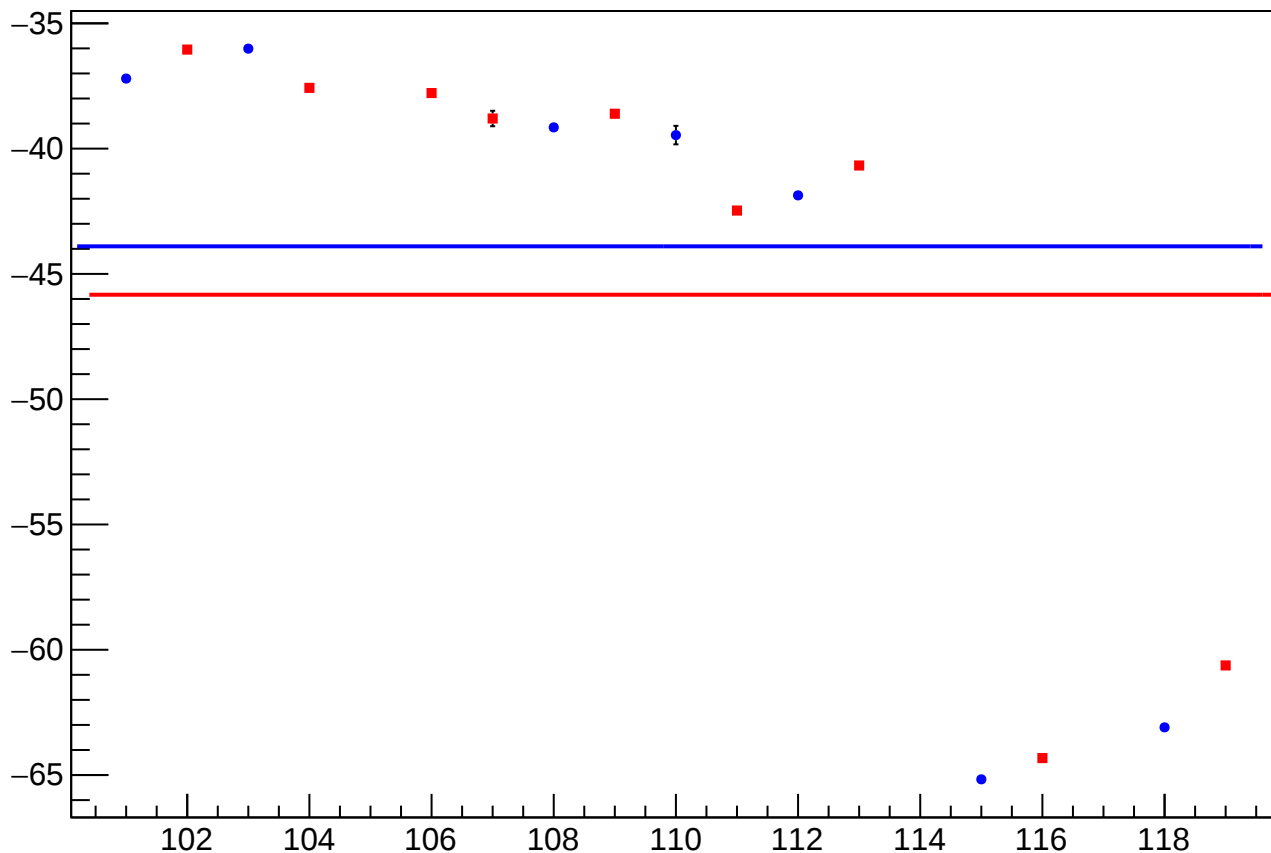
Right: 27.334 $\pm$ 0.030  $\chi^2$ /NDF: 2383.5/15

In: 27.240 $\pm$ 0.045  $\chi^2$ /NDF:1421.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 27.334 $\pm$ 0.030  $\chi^2$ /NDF: 2383.5/15

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In: -43.900 $\pm$ 0.025  $\chi^2$ /NDF: 228769.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -45.831 $\pm$ 0.026  $\chi^2$ /NDF: 230364.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

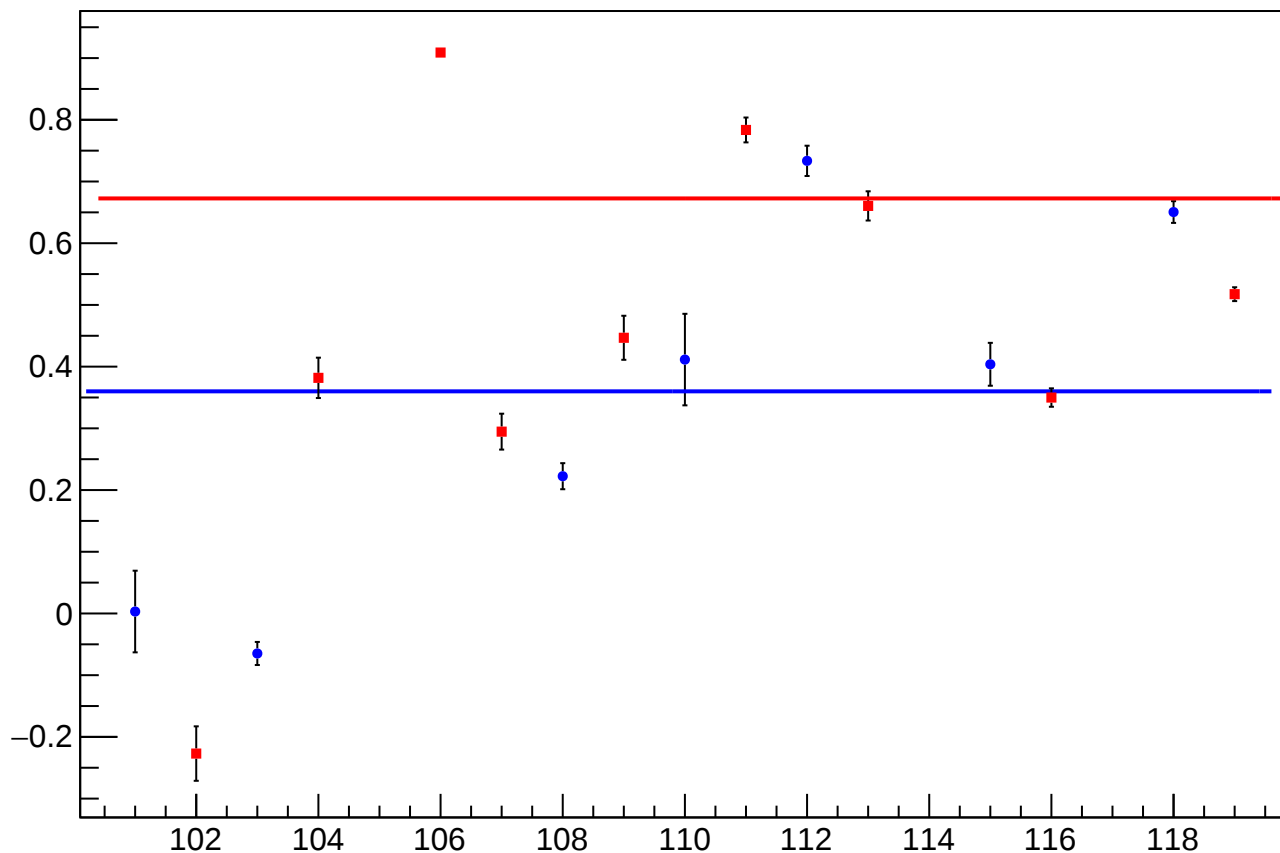
Right: -44.827 $\pm$ 0.018  $\chi^2$ /NDF: 461899.3/15

In: -43.900 $\pm$ 0.025  $\chi^2$ /NDF:228769.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -44.827 $\pm$ 0.018  $\chi^2$ /NDF: 461899.3/15

# dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.360+/-0.009  $\chi^2/\text{NDF}$ : 1093.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.673+/-0.005  $\chi^2/\text{NDF}$ : 2288.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

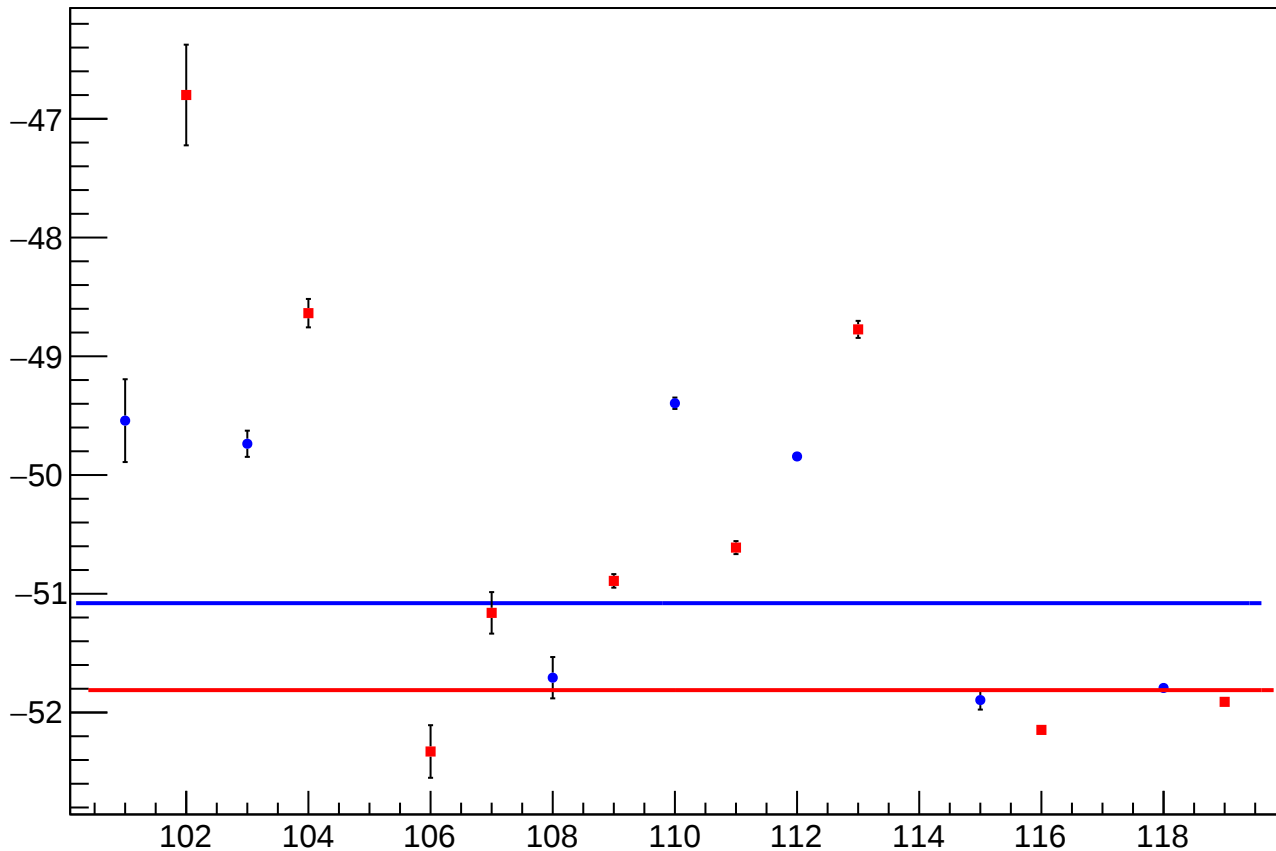
Right: 0.598+/-0.005  $\chi^2/\text{NDF}$ : 4219.8/15

In: 0.360+/-0.009  $\chi^2/\text{NDF}$ :1093.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.598+/-0.005  $\chi^2/\text{NDF}$ : 4219.8/15

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-51.079 \pm 0.014$   $\chi^2/\text{NDF}$ : 5067.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-51.812 \pm 0.009$   $\chi^2/\text{NDF}$ : 3661.3/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

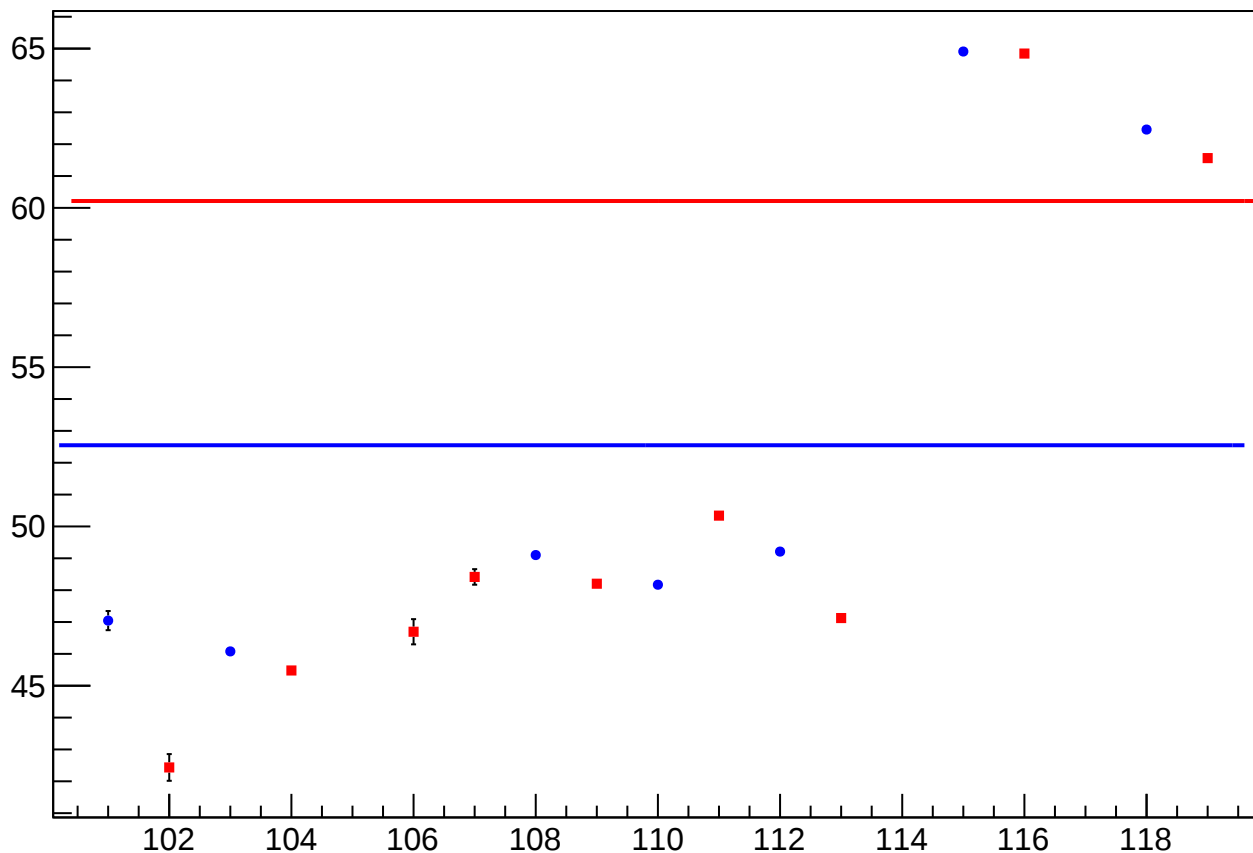
Right:  $-51.604 \pm 0.007$   $\chi^2/\text{NDF}$ : 10712.1/15

In:  $-51.079 \pm 0.014$   $\chi^2/\text{NDF}$ : 5067.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-51.604 \pm 0.007$   $\chi^2/\text{NDF}$ : 10712.1/15

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 52.549 $\pm$ 0.034  $\chi^2$ /NDF: 40724.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 60.216 $\pm$ 0.013  $\chi^2$ /NDF: 153079.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 59.188 $\pm$ 0.012  $\chi^2$ /NDF: 237642.3/15

In: 52.549 $\pm$ 0.034  $\chi^2$ /NDF:40724.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 59.188 $\pm$ 0.012  $\chi^2$ /NDF: 237642.3/15

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

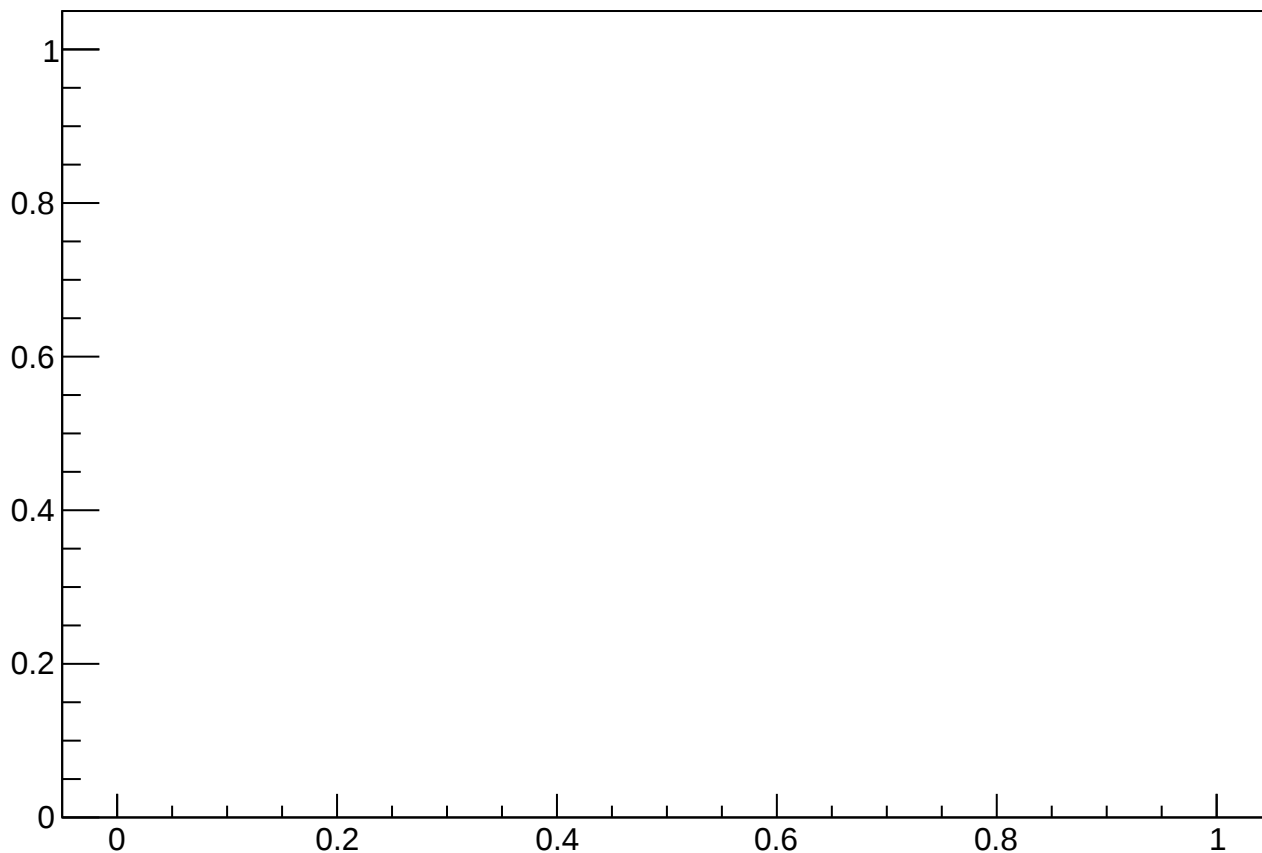
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

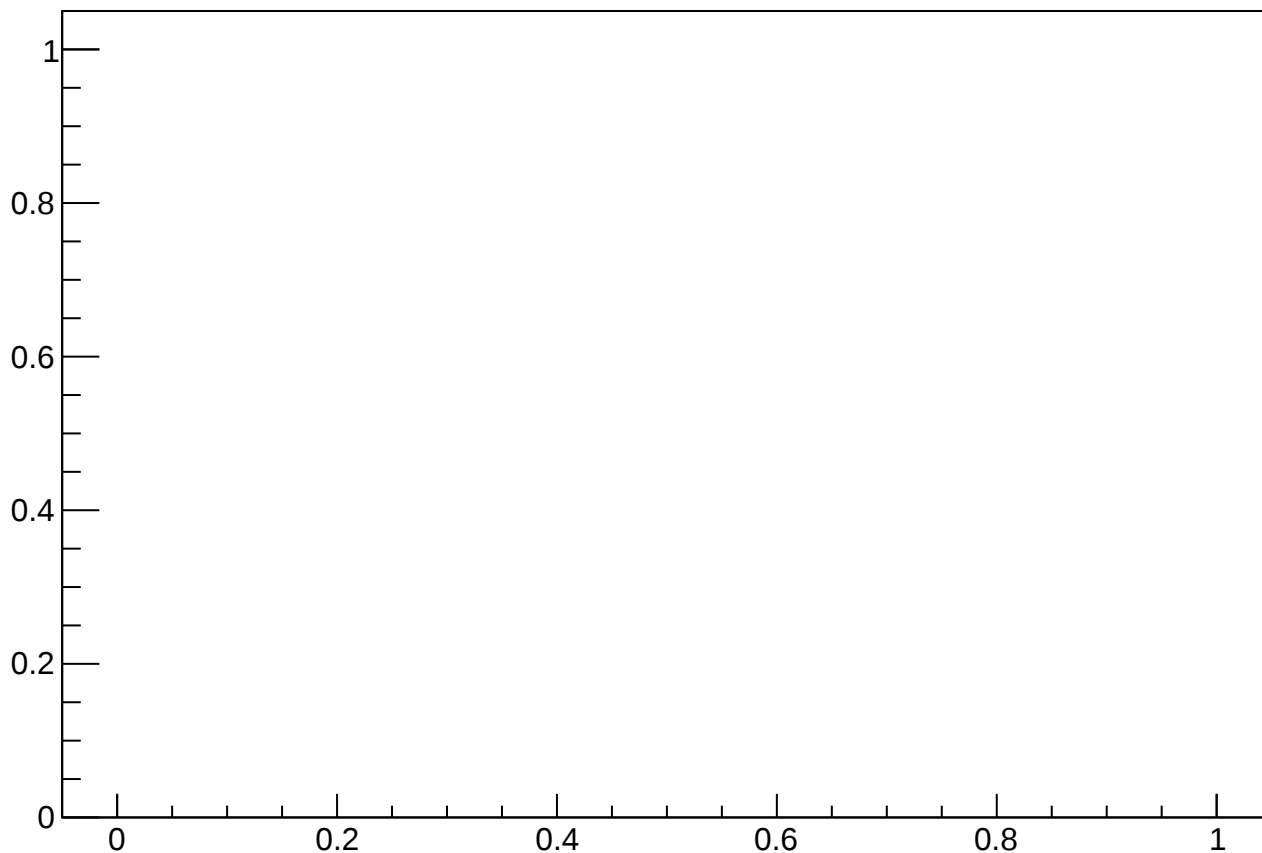
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

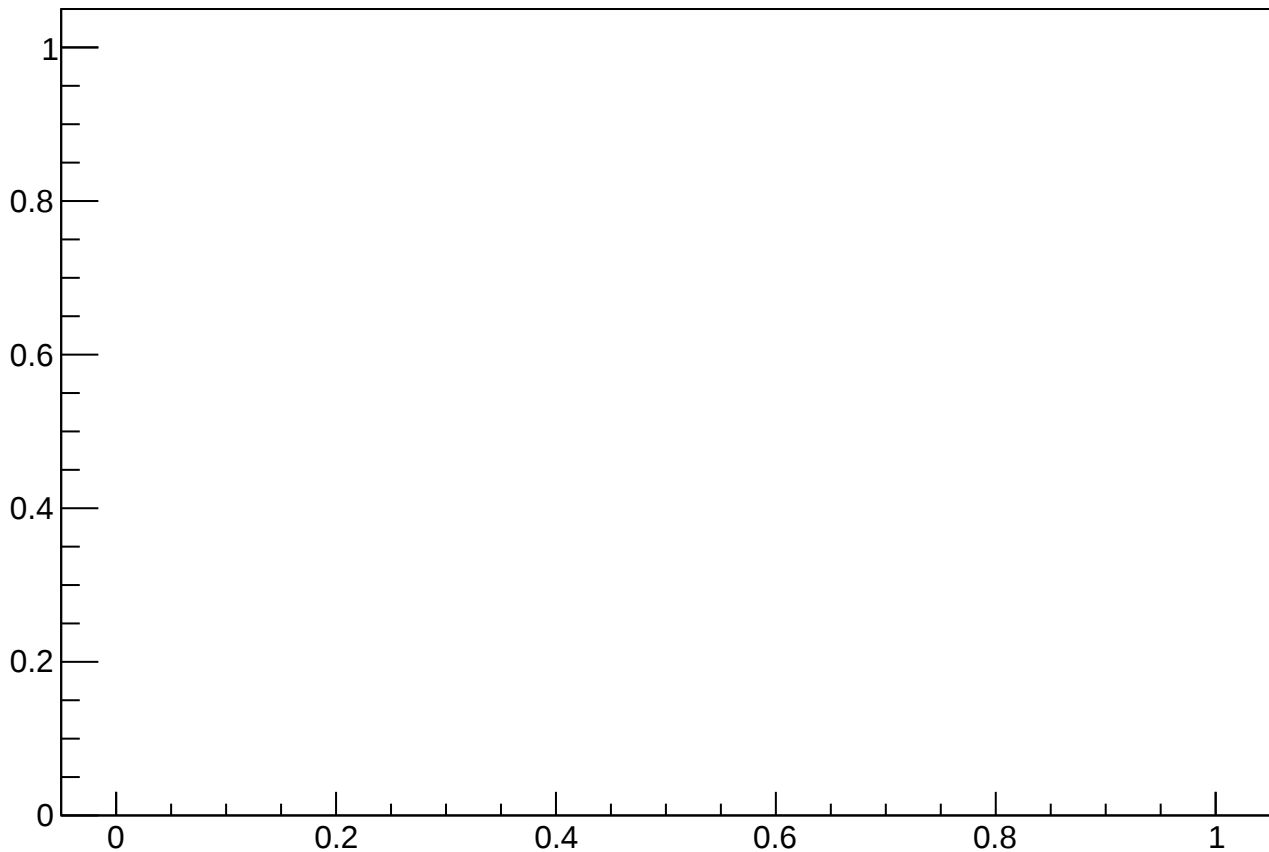
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

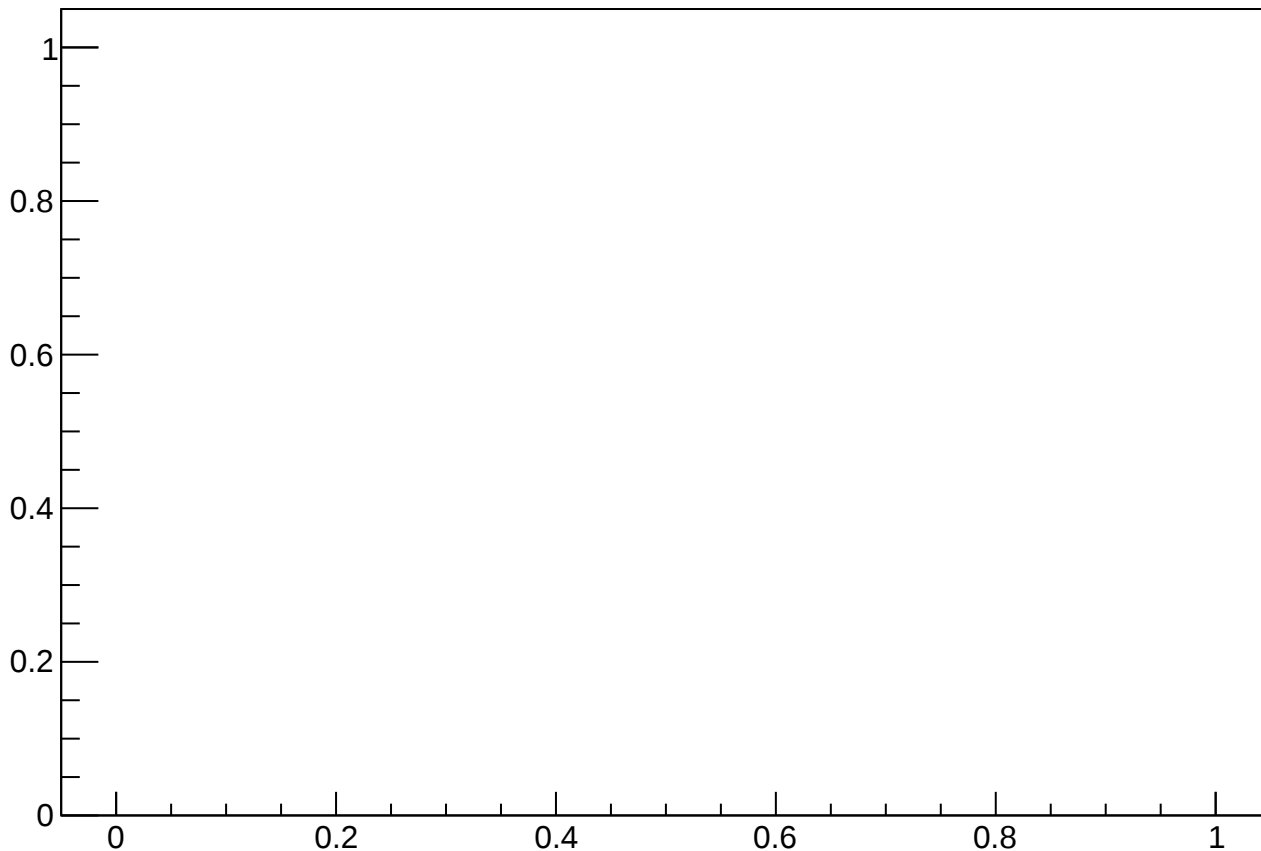
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

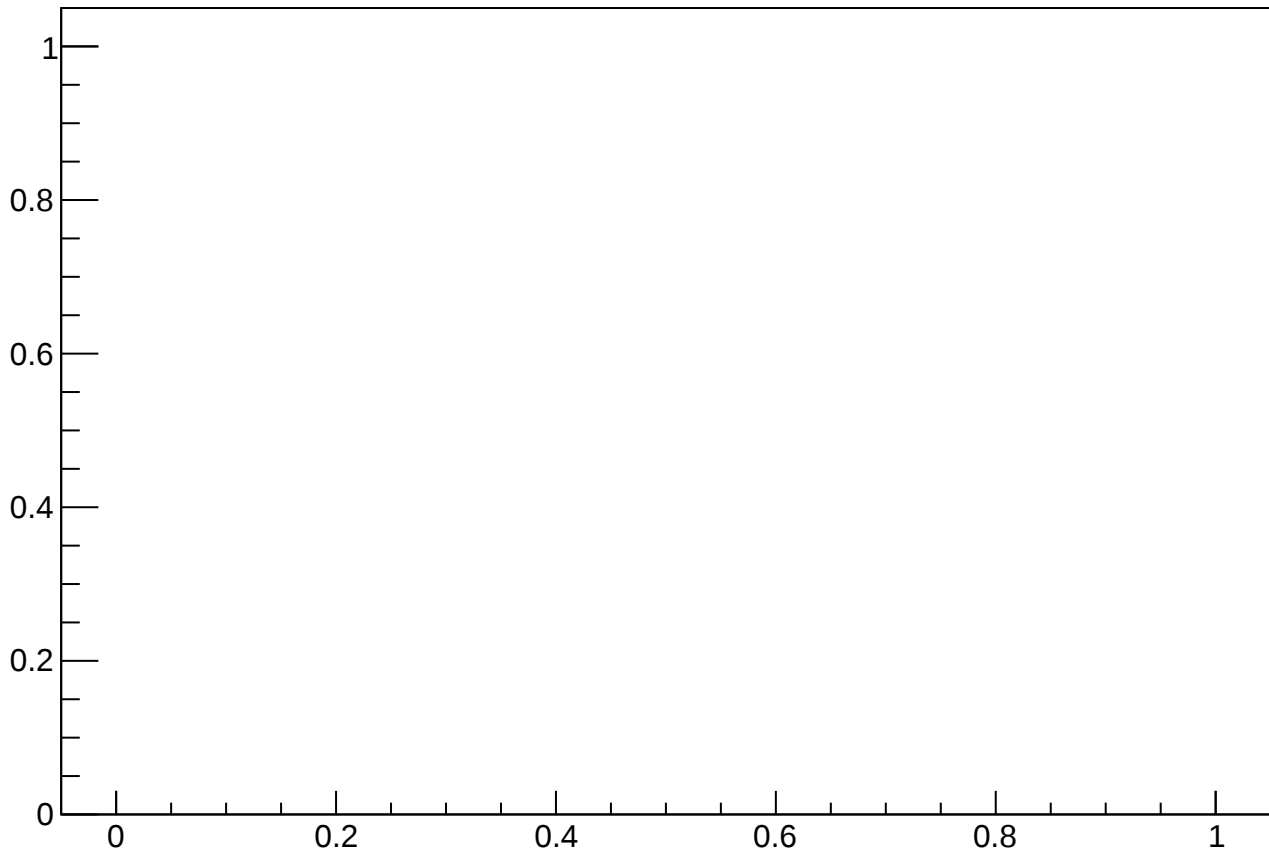
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

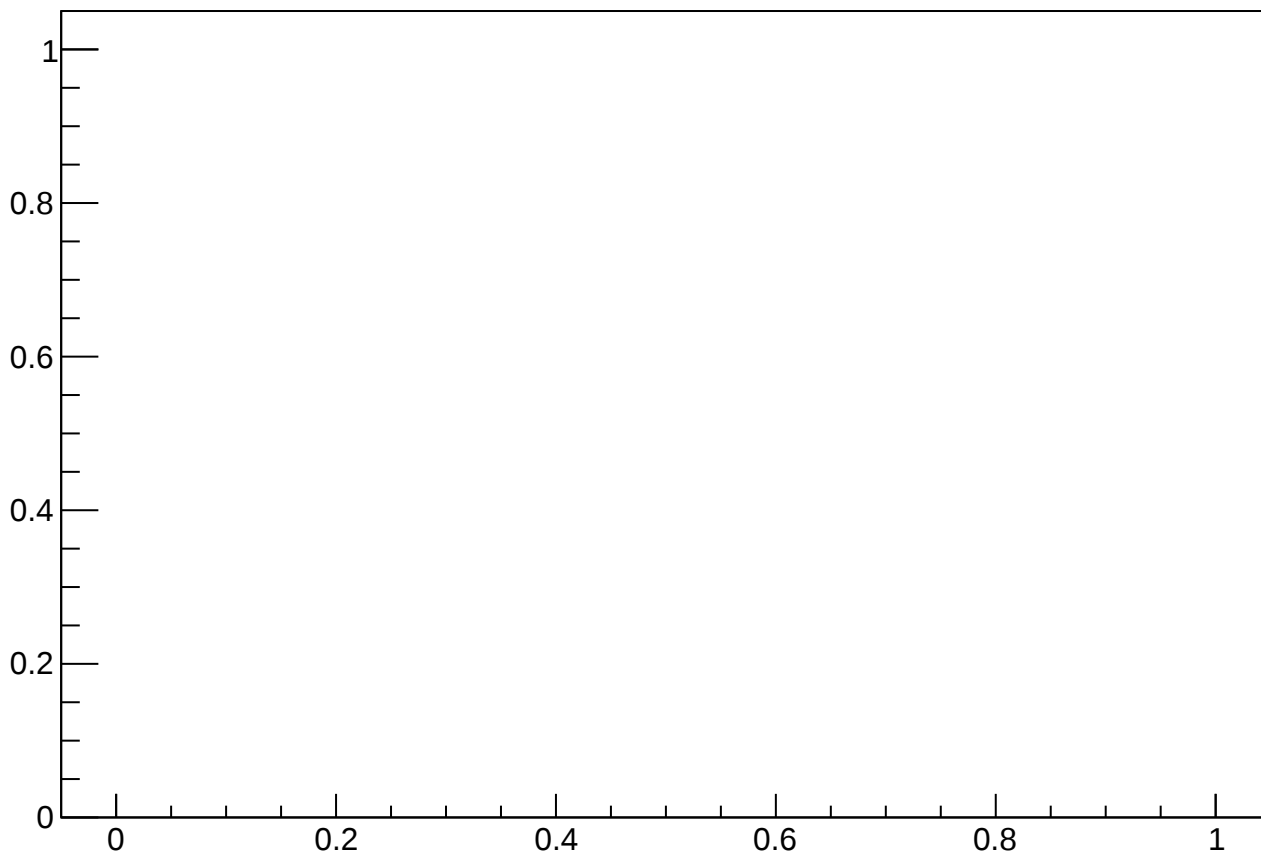
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

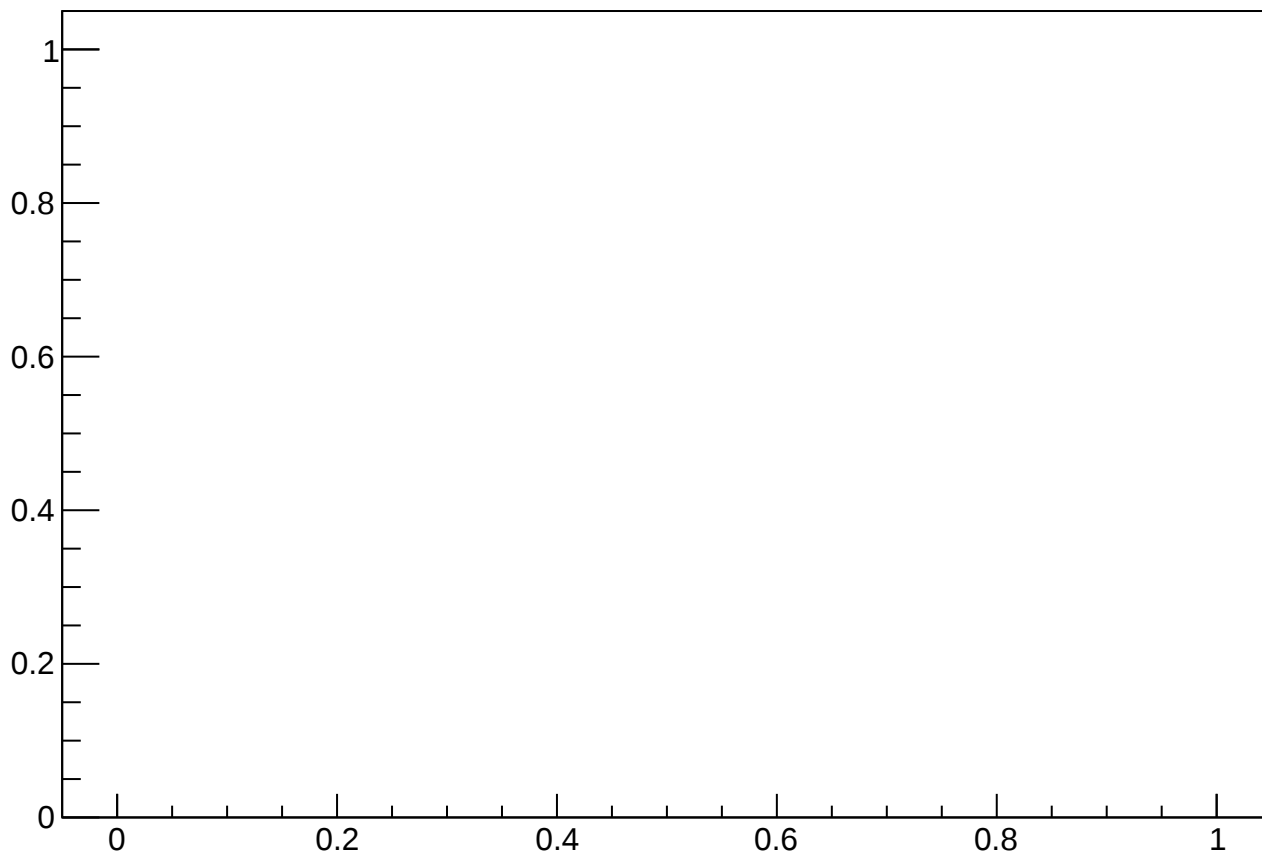
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

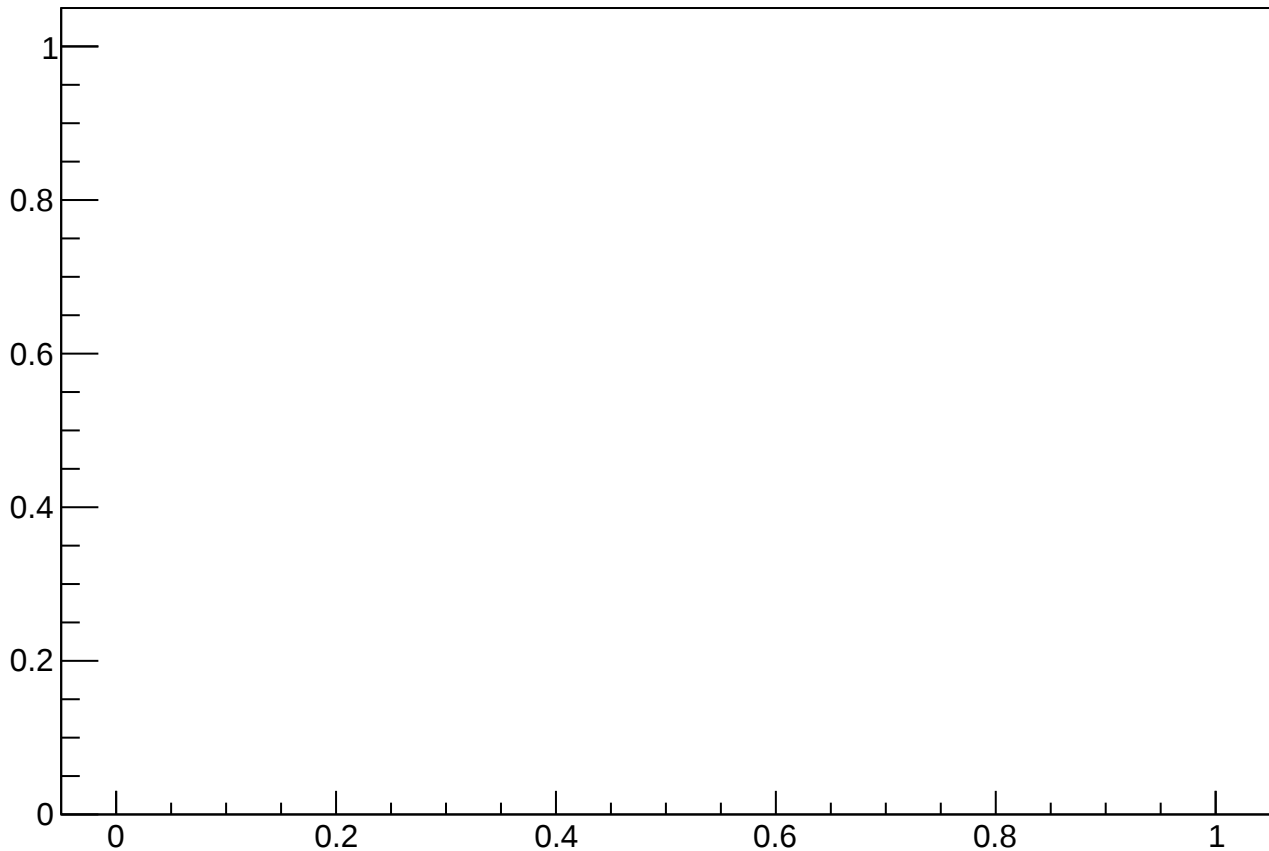
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

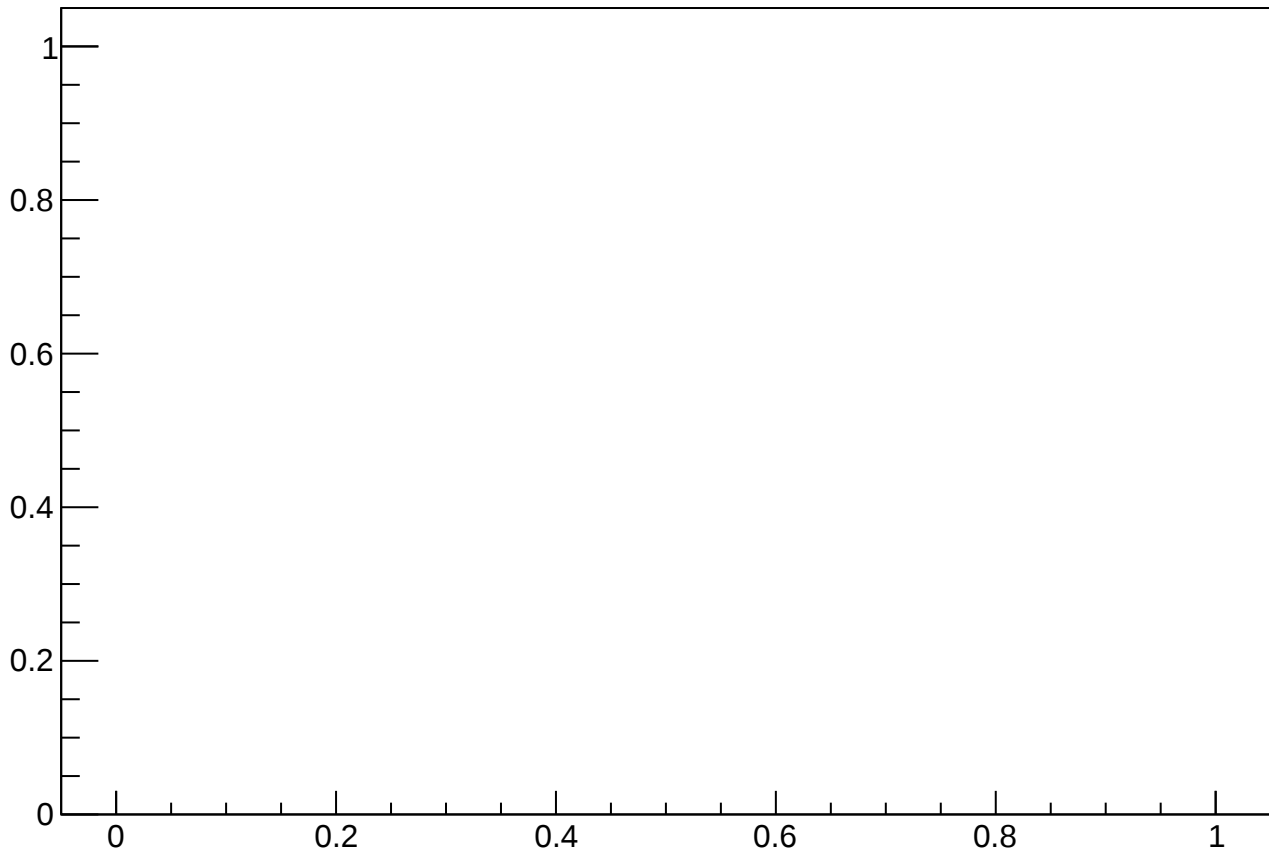
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

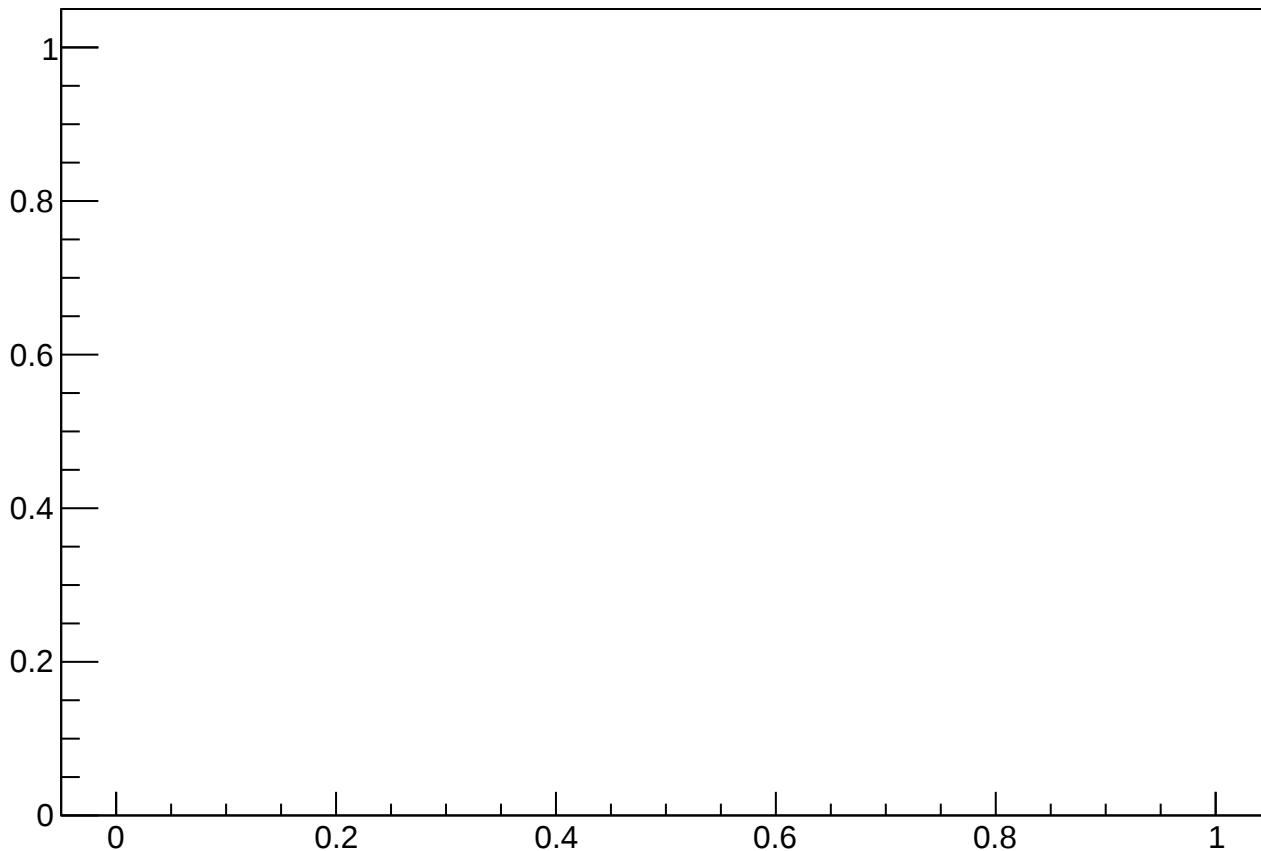
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

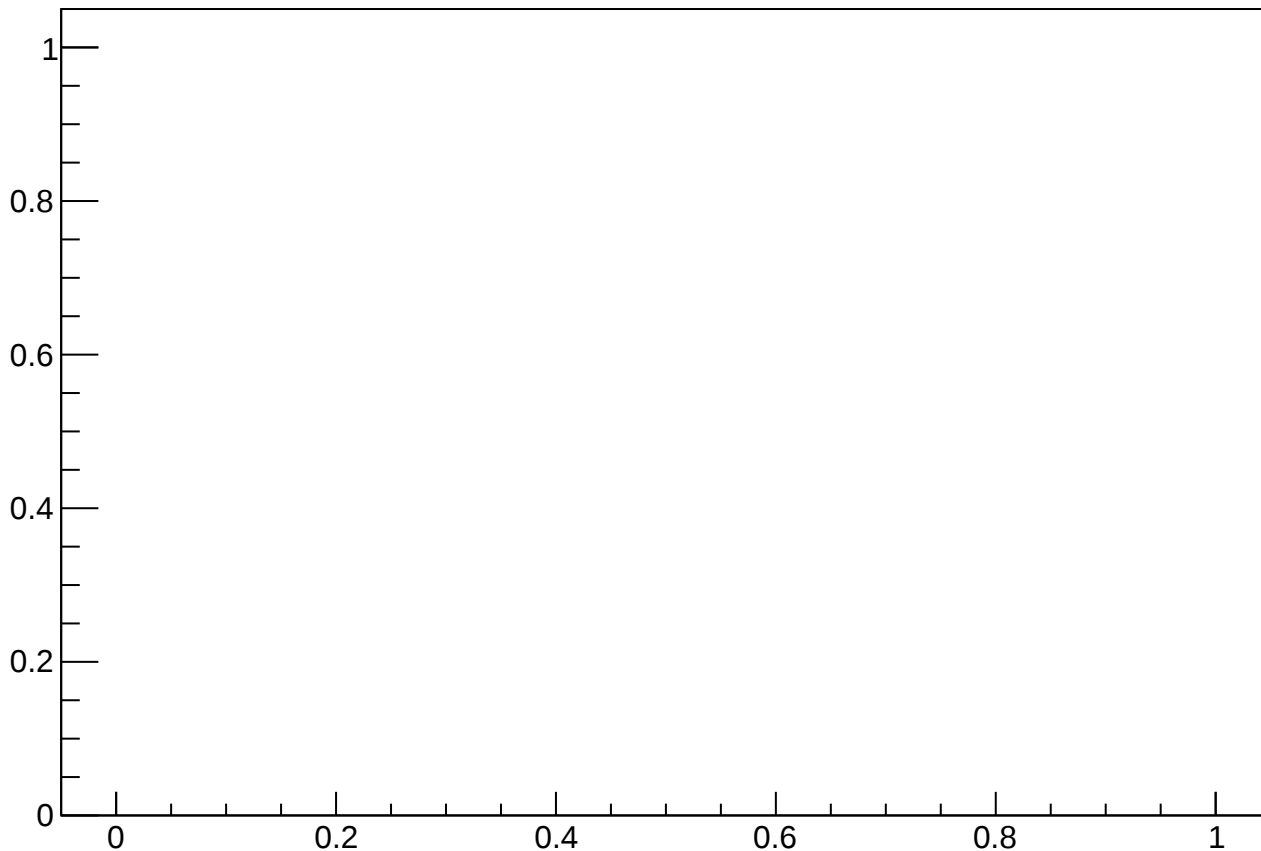
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

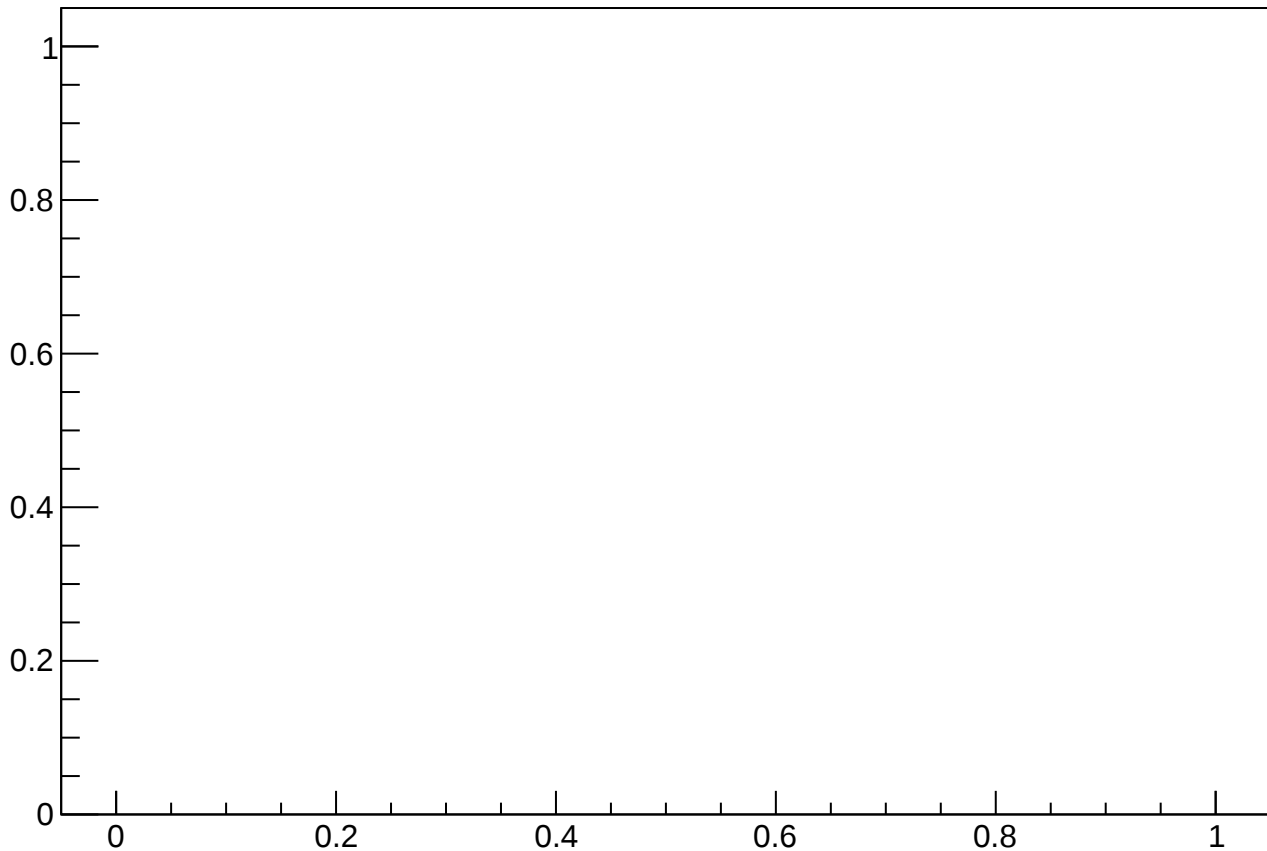
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

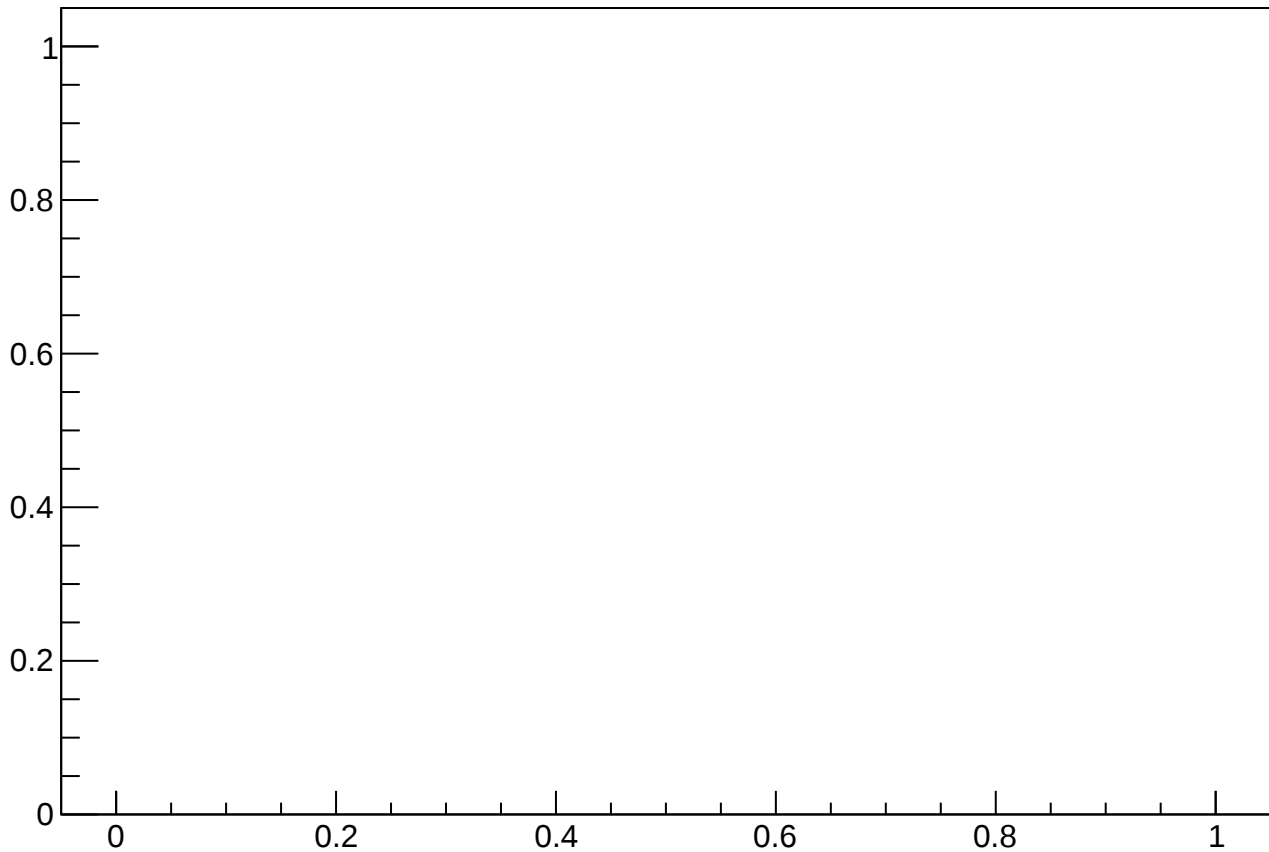
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

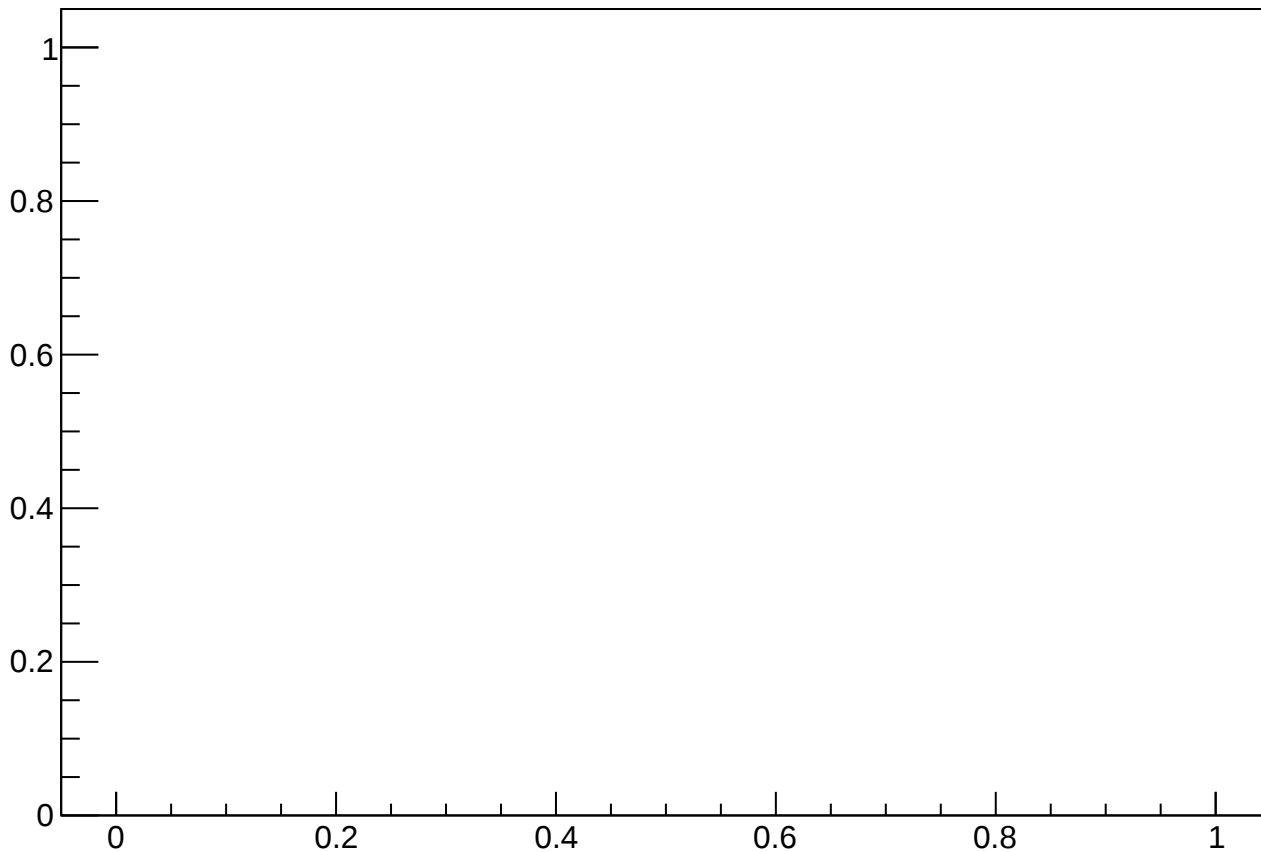
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

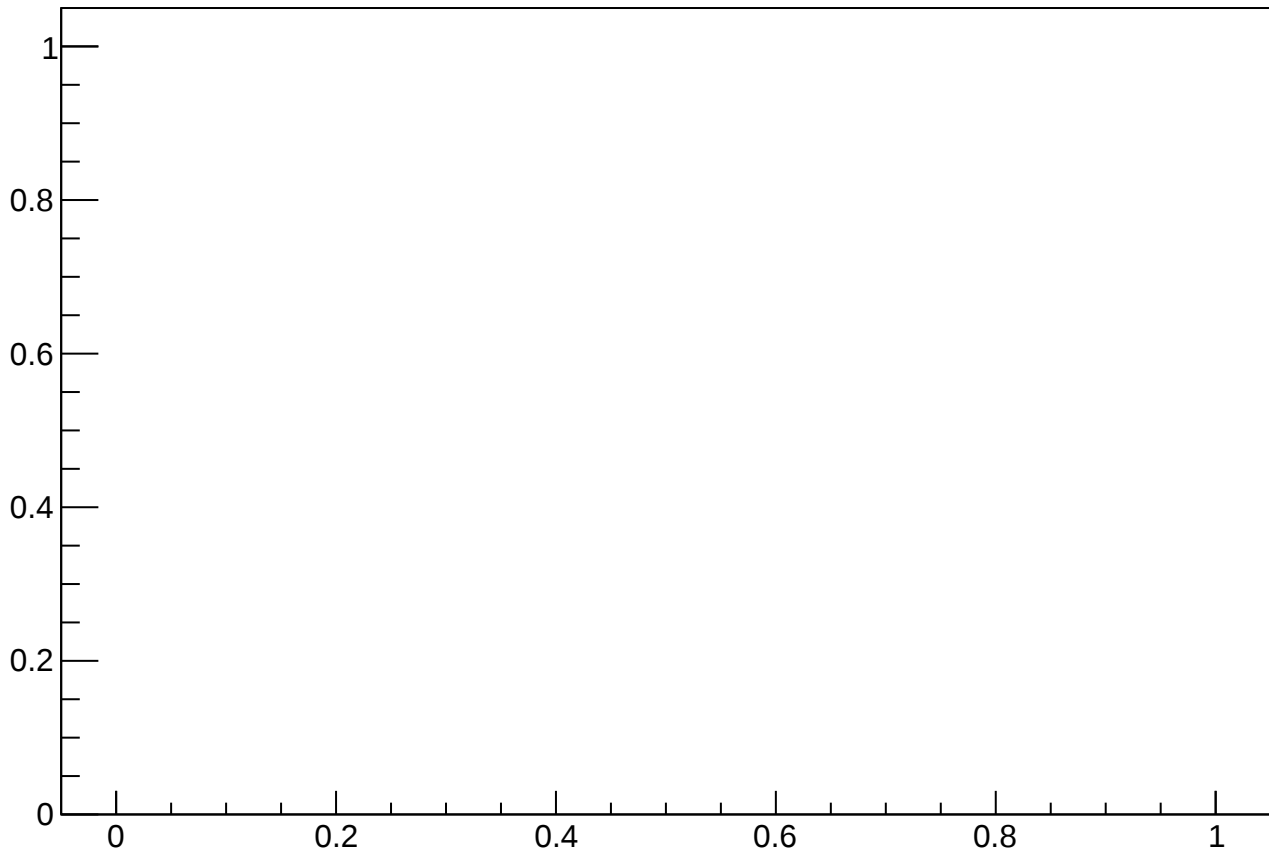
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

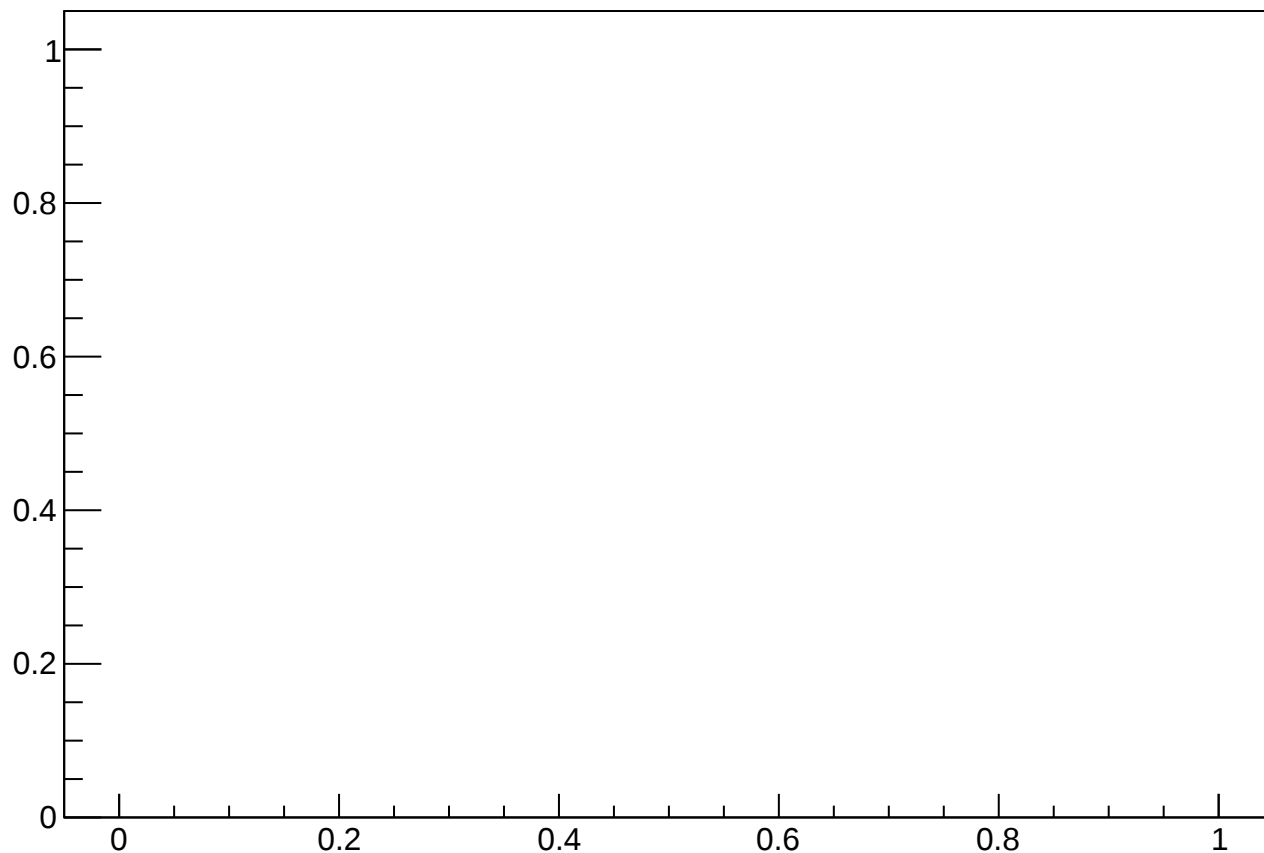
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

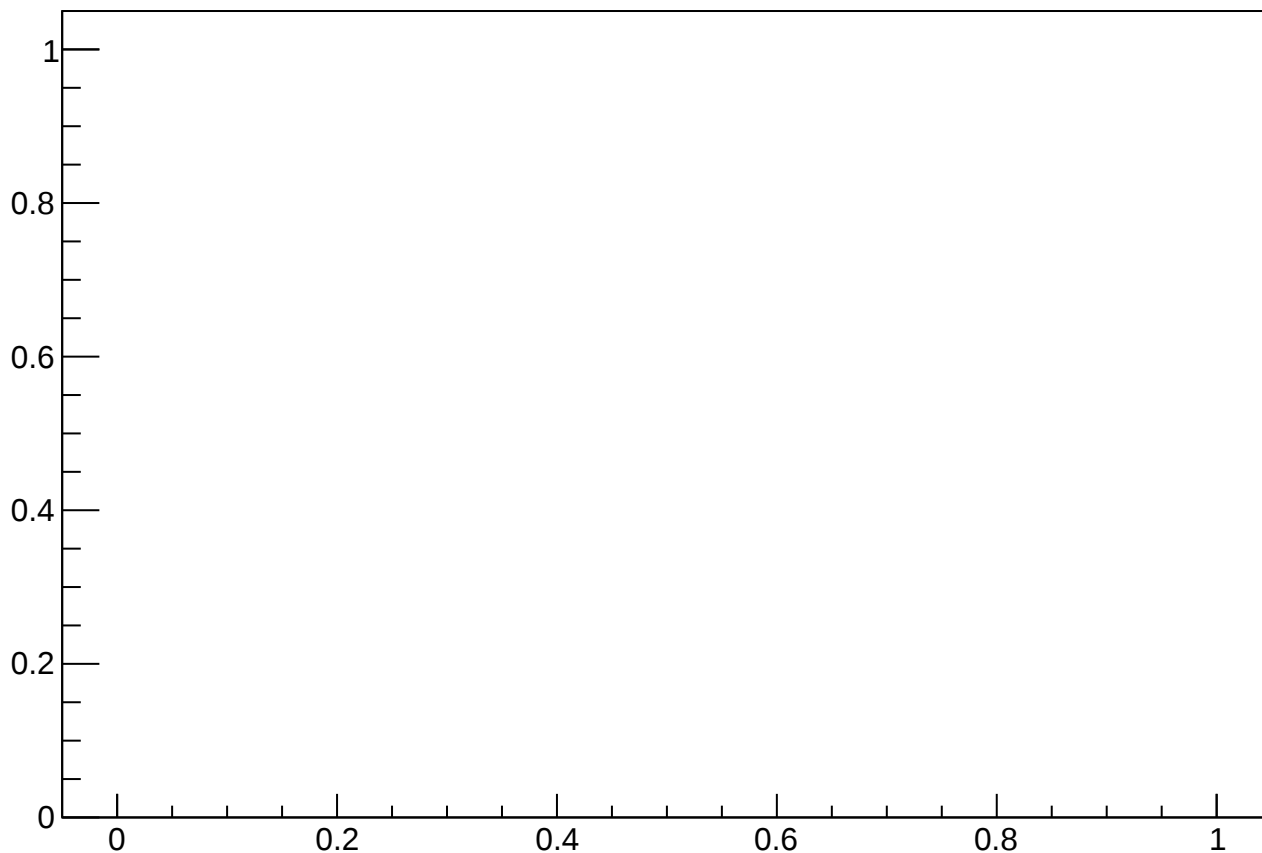
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

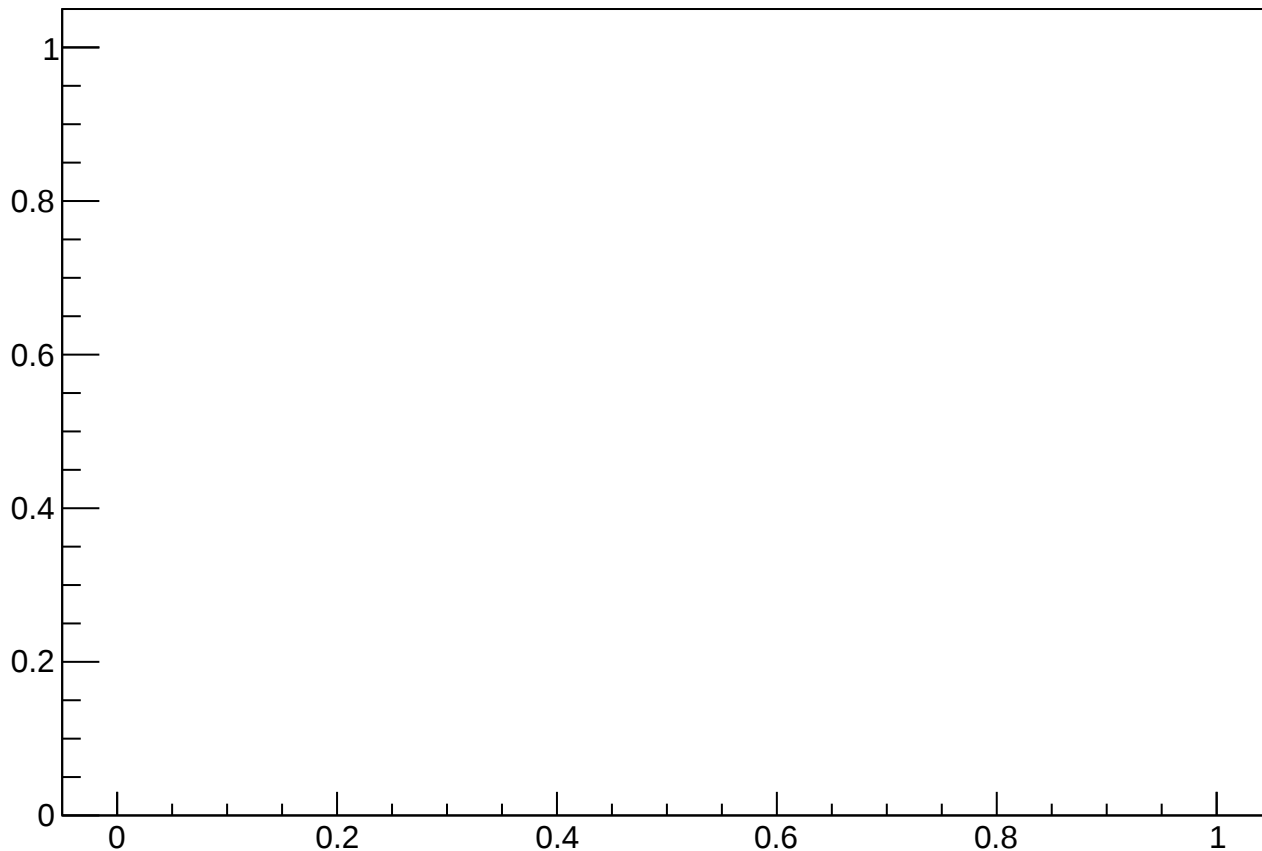
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

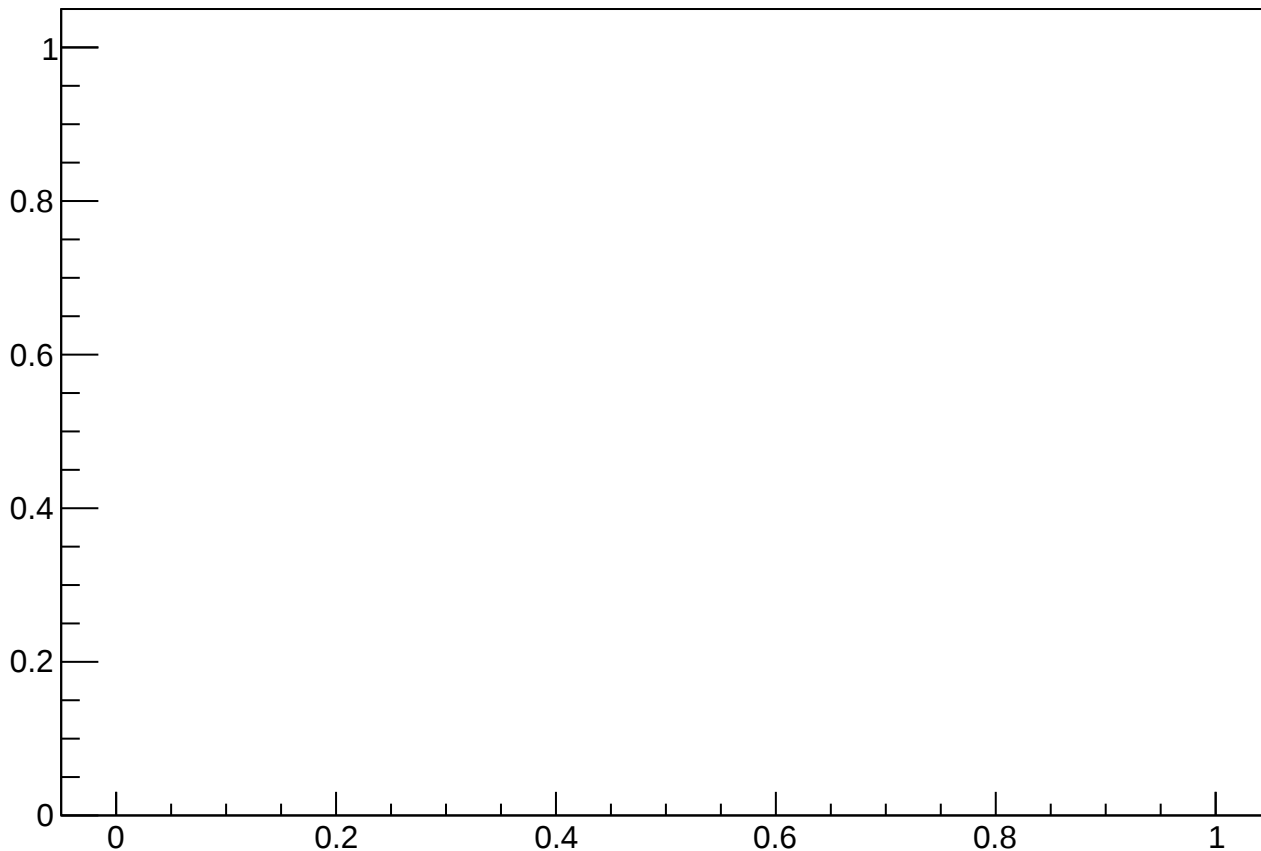
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

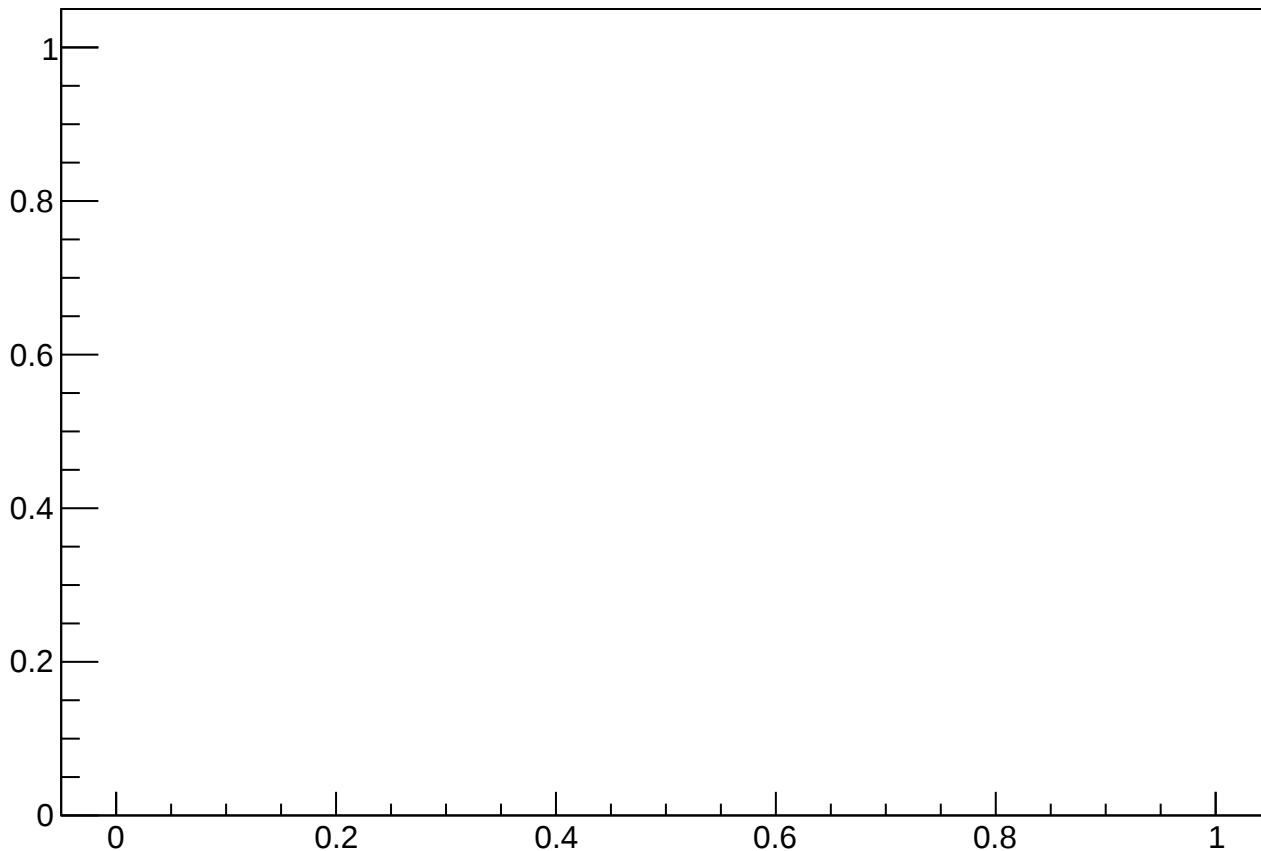
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

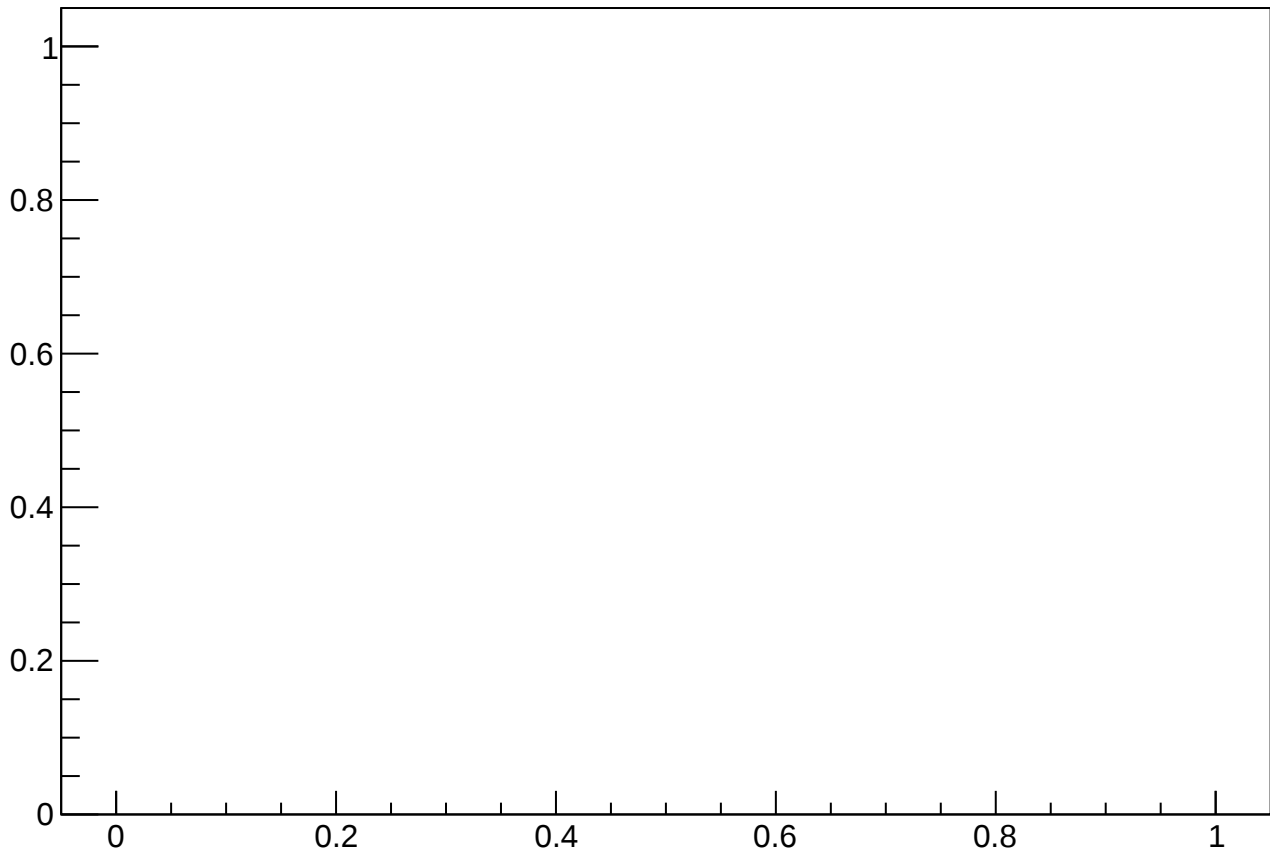
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

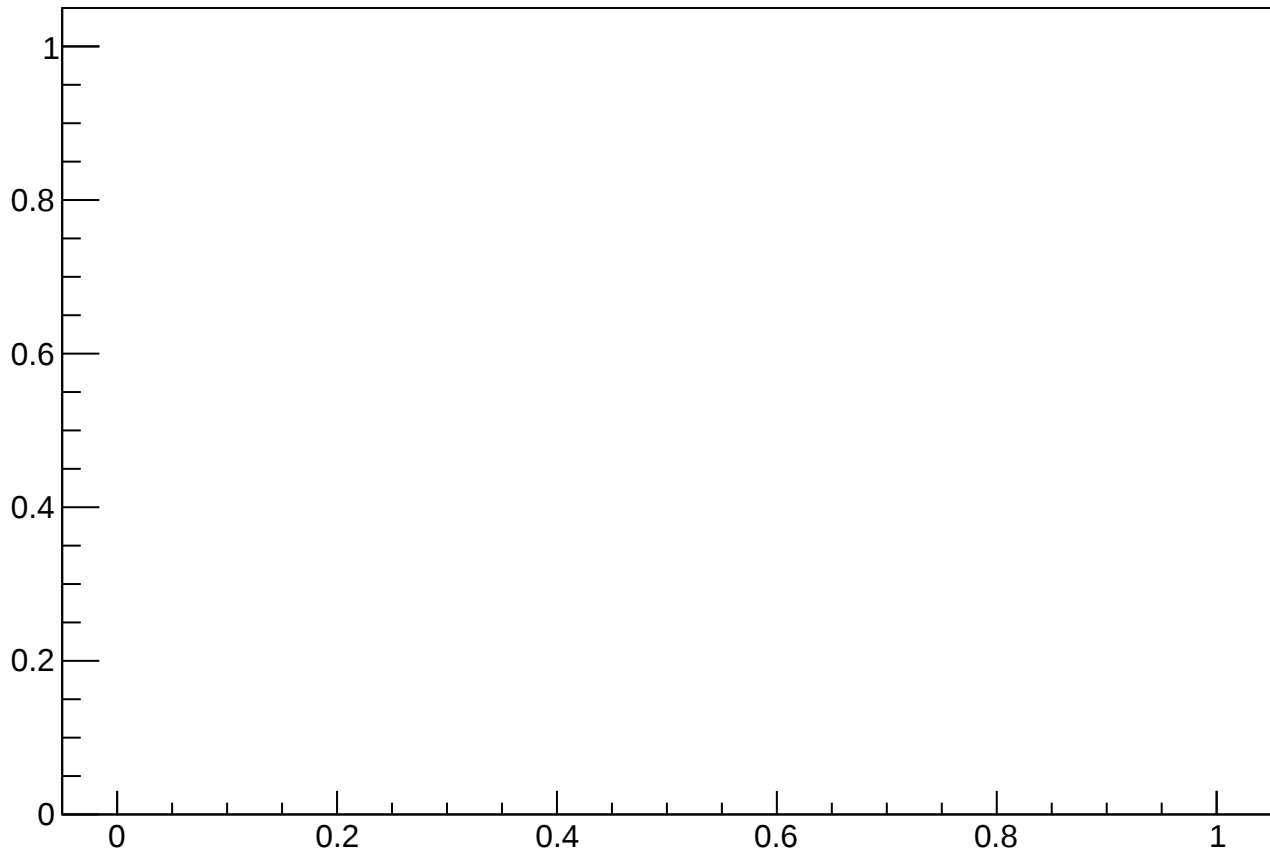
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

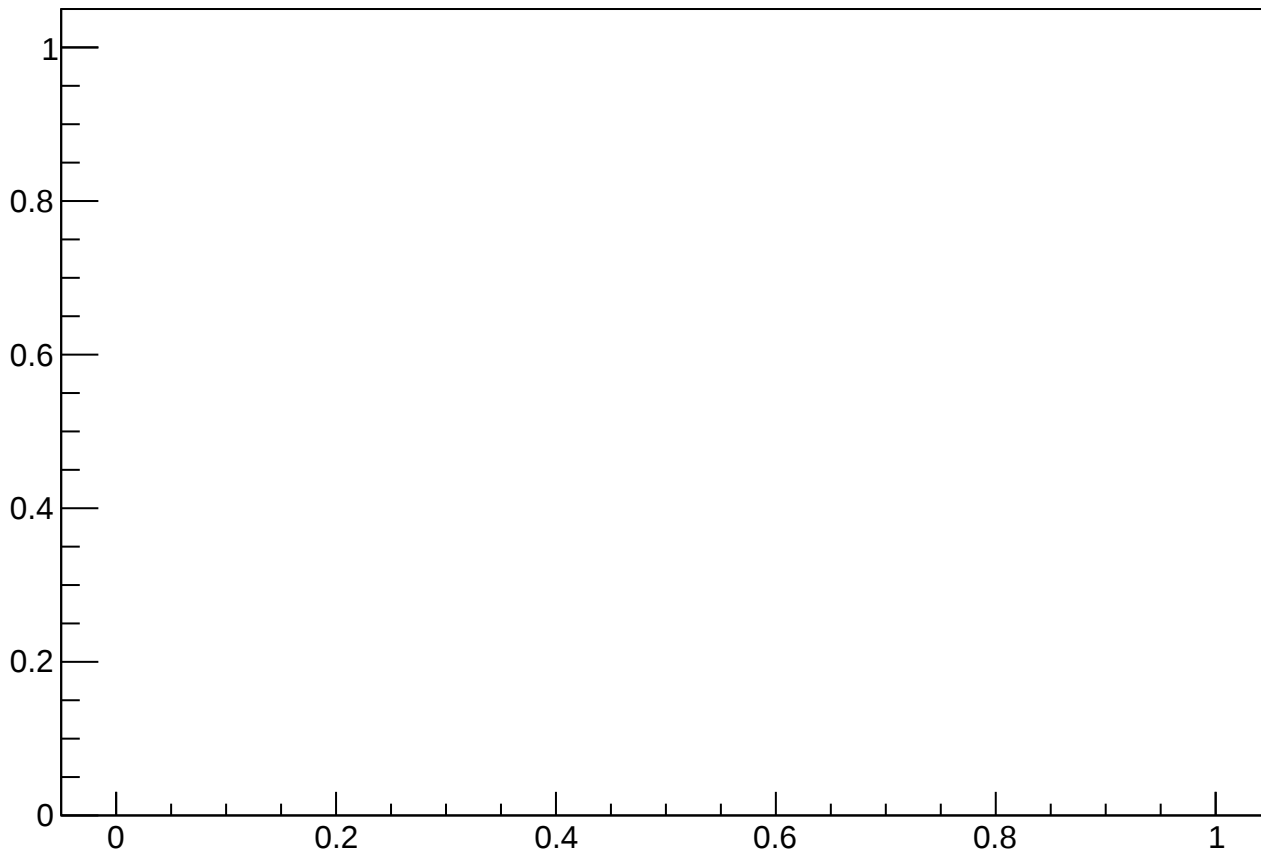
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

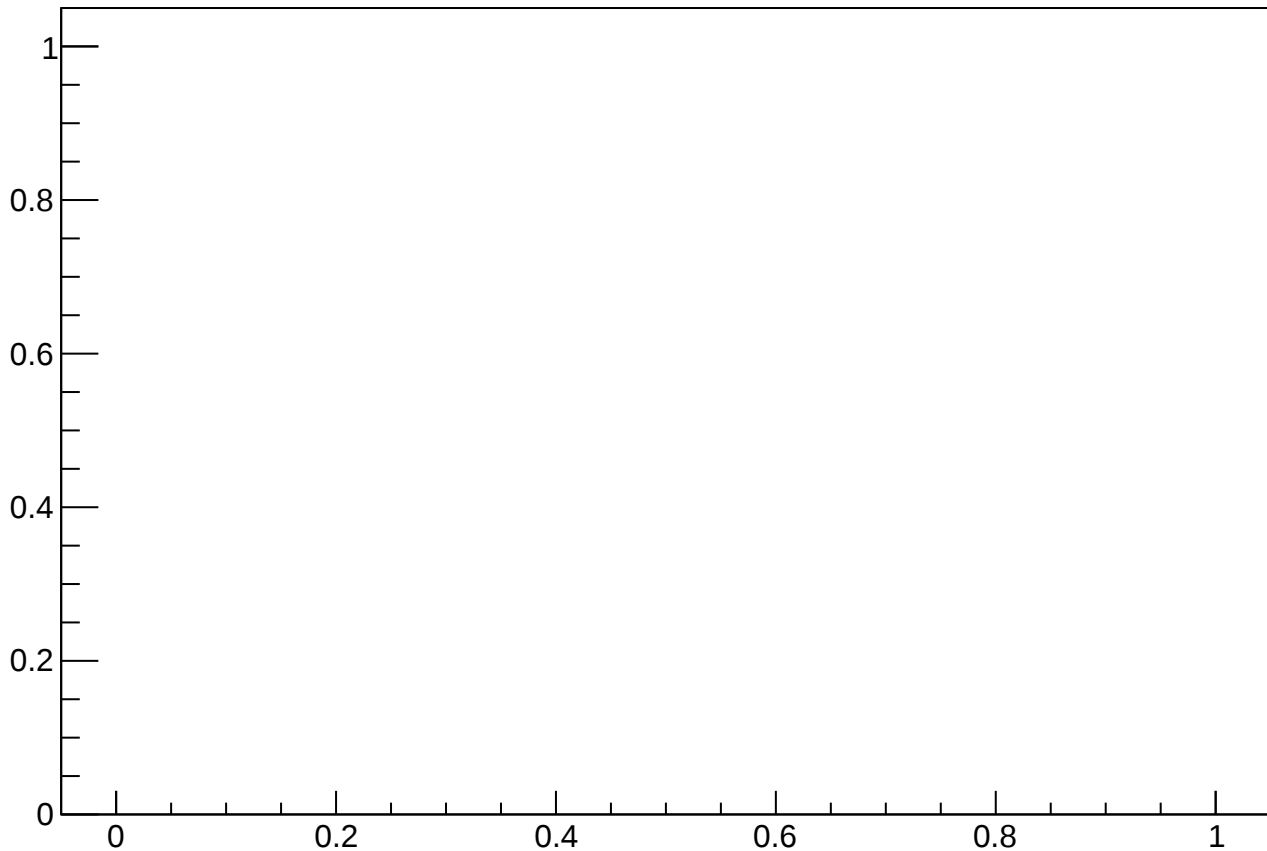
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_run\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_run\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

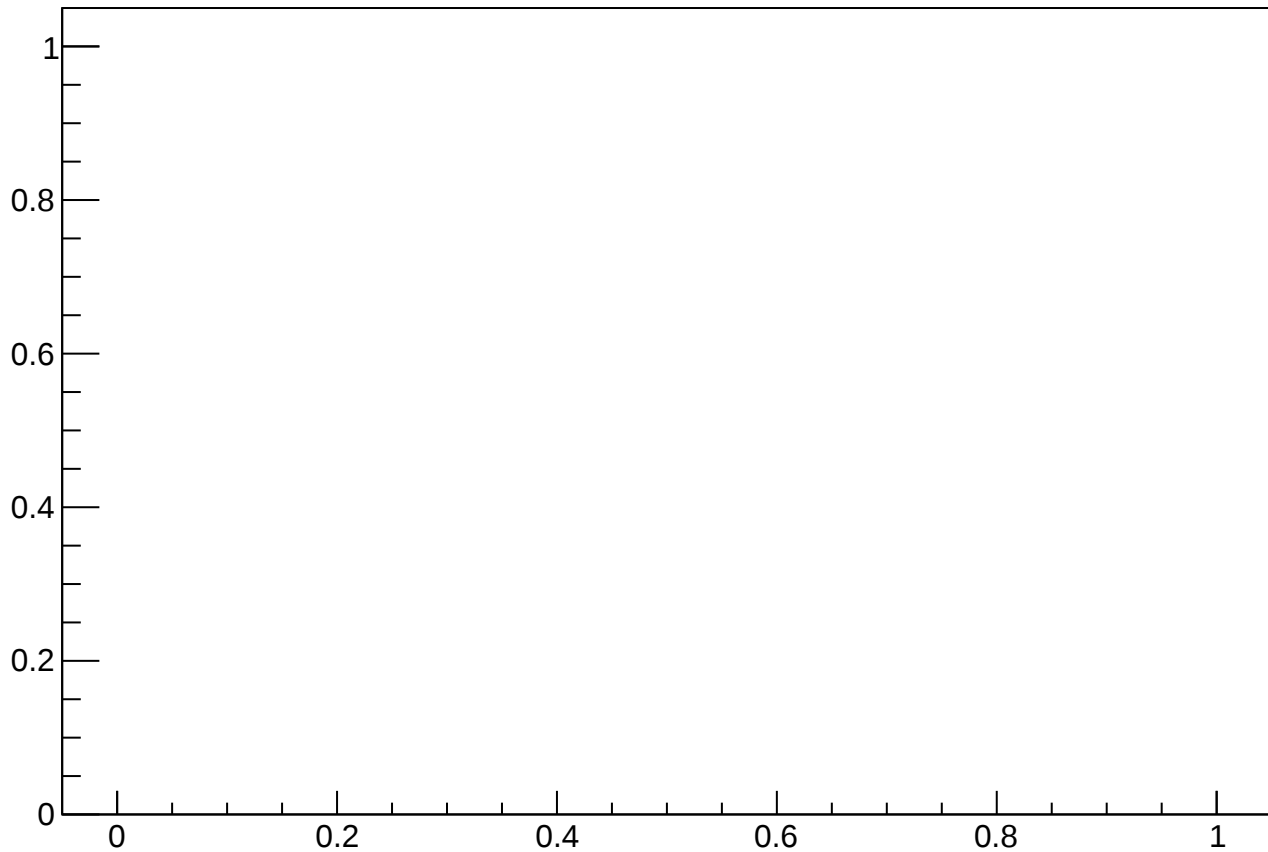
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_slug\_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_flag\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

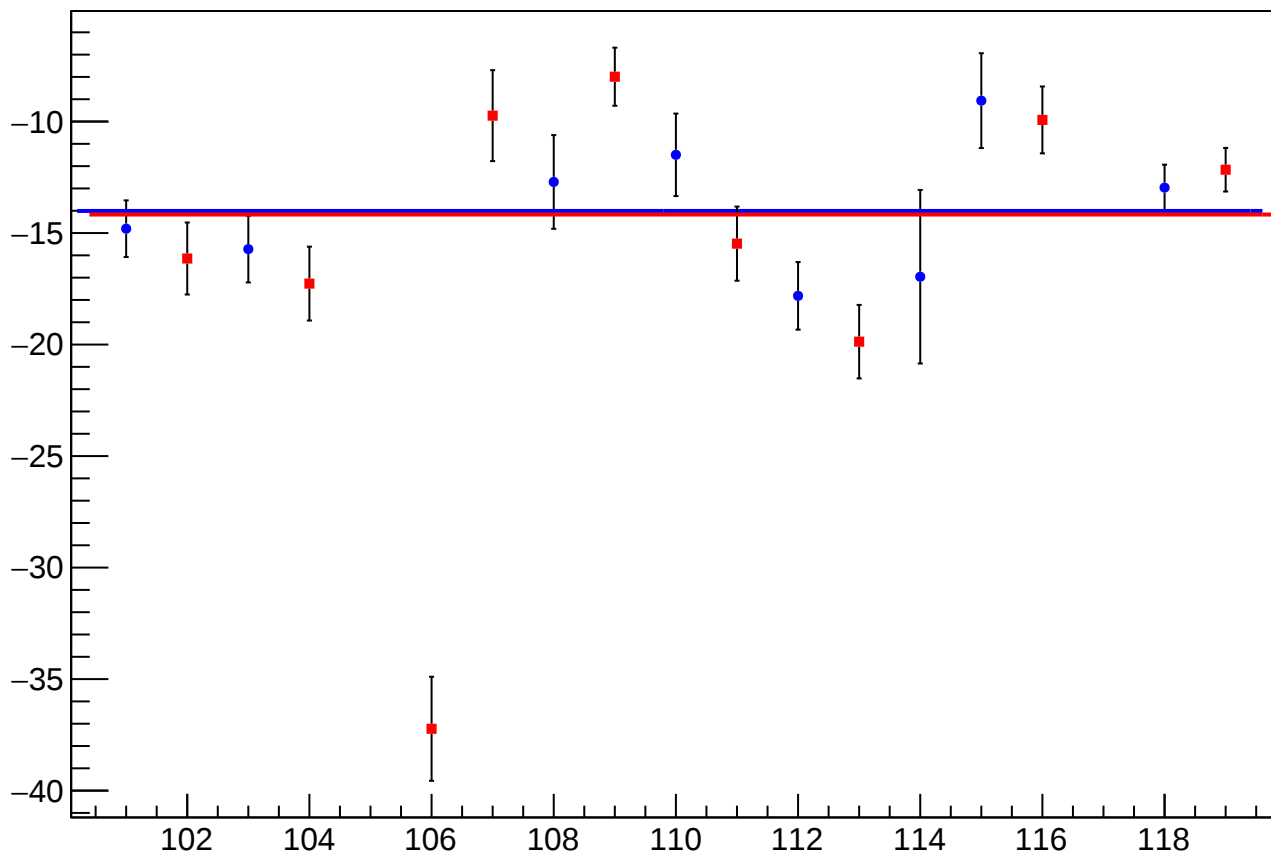
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -14.010 $\pm$ 0.554  $\chi^2$ /NDF: 17.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -14.170 $\pm$ 0.501  $\chi^2$ /NDF: 154.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

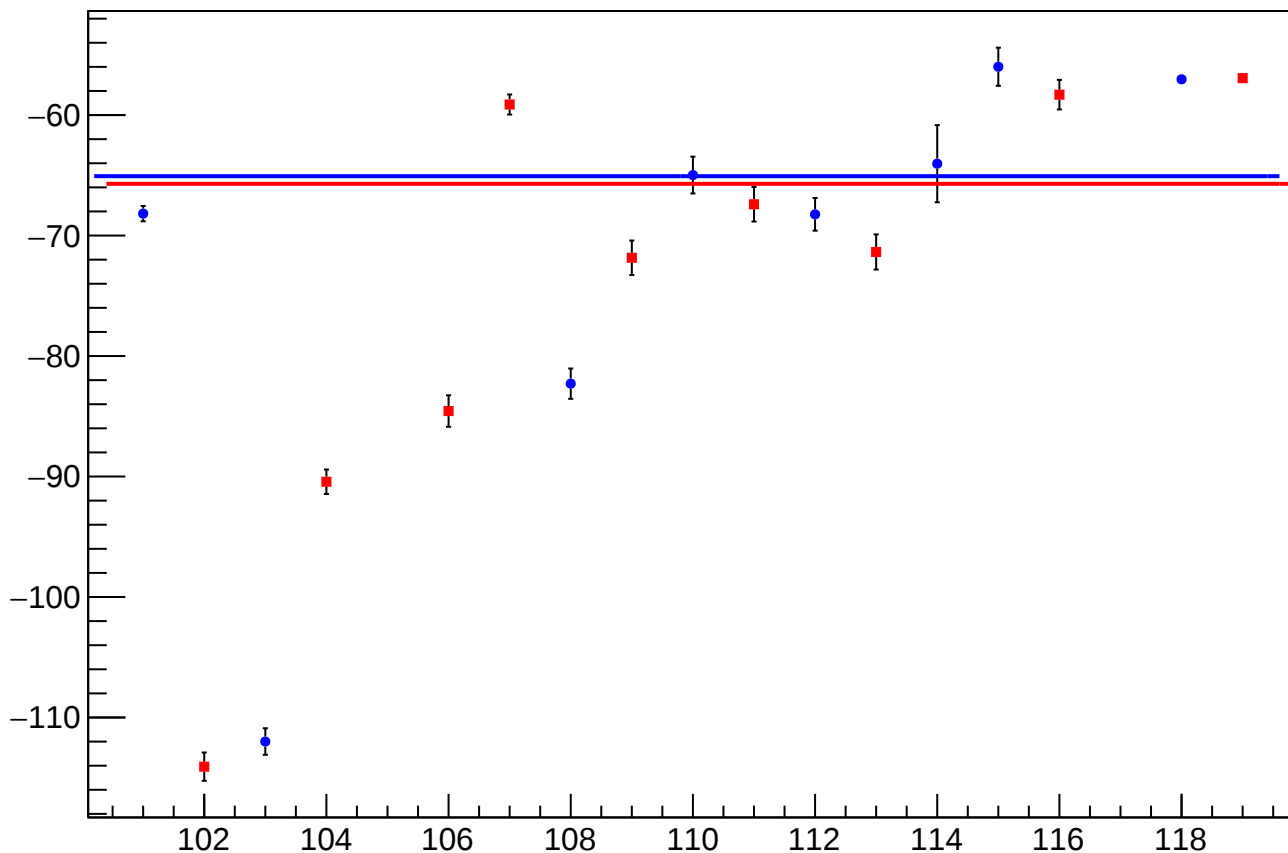
Right: -14.098 $\pm$ 0.372  $\chi^2$ /NDF: 172.1/16

In: -14.010 $\pm$ 0.554  $\chi^2$ /NDF: 17.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -14.098 $\pm$ 0.372  $\chi^2$ /NDF: 172.1/16

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-65.071 \pm 0.286$   $\chi^2/\text{NDF}: 2505.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-65.706 \pm 0.278$   $\chi^2/\text{NDF}: 3177.7/8$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

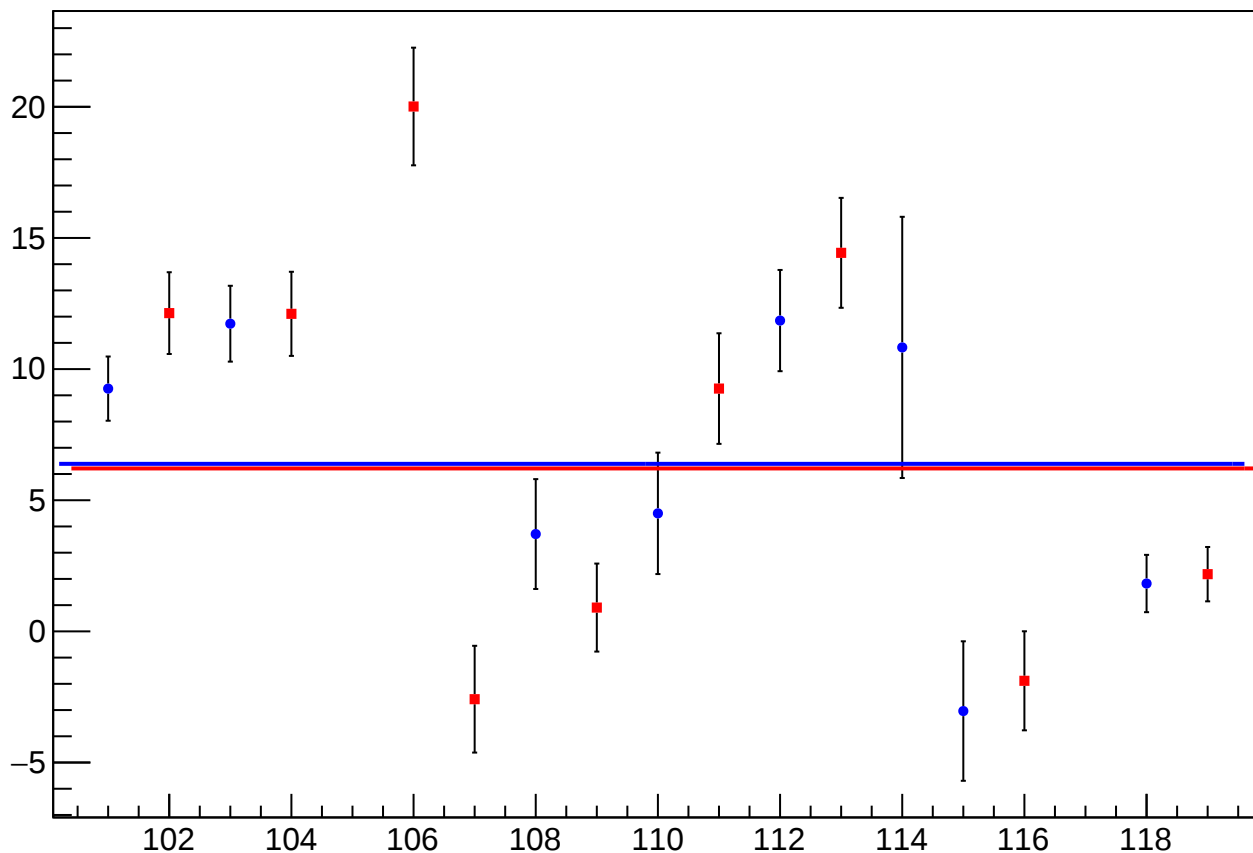
Right:  $-65.397 \pm 0.199$   $\chi^2/\text{NDF}: 5686.1/16$

In:  $-65.071 \pm 0.286$   $\chi^2/\text{NDF}: 2505.8/7$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-65.397 \pm 0.199$   $\chi^2/\text{NDF}: 5686.1/16$

reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.387 $\pm$ 0.593  $\chi^2$ /NDF: 60.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.212 $\pm$ 0.554  $\chi^2$ /NDF: 145.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

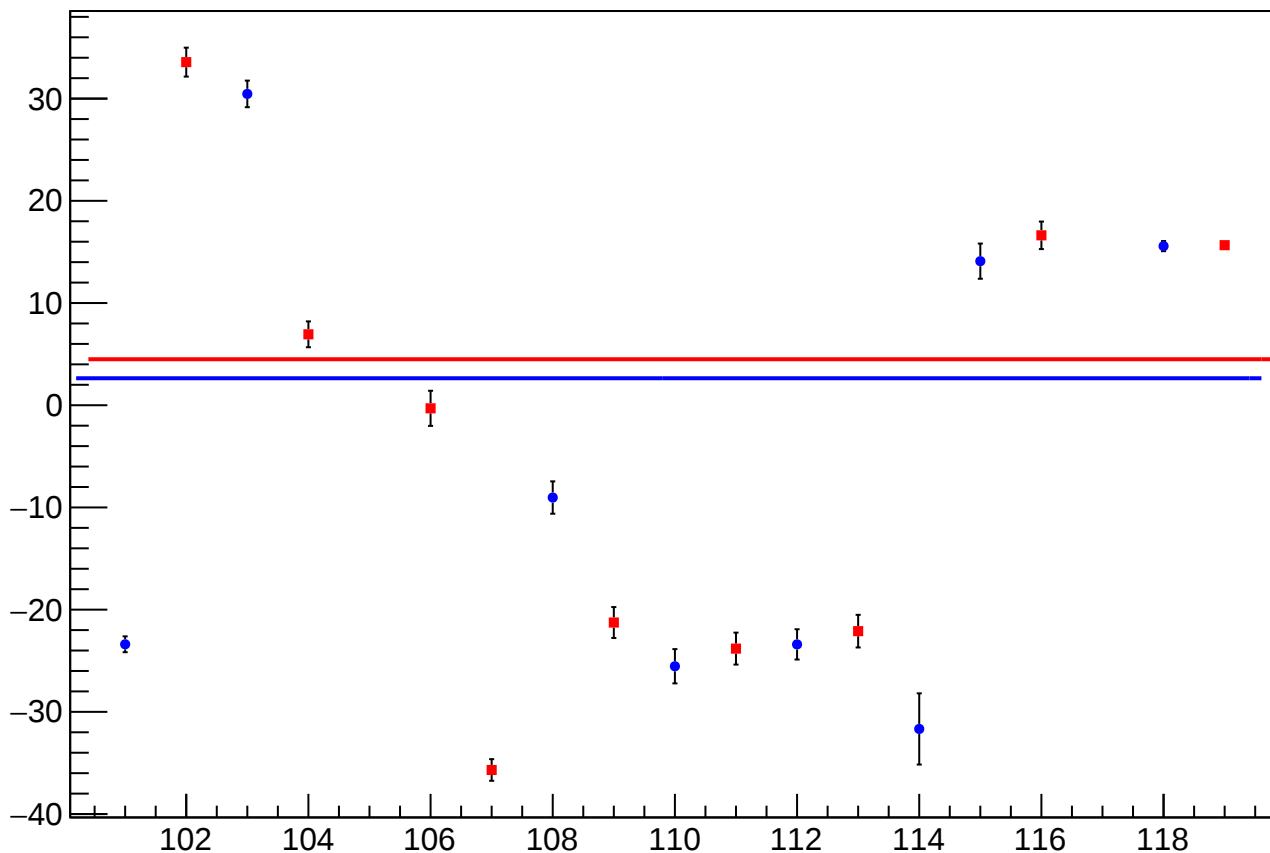
Right: 6.294 $\pm$ 0.405  $\chi^2$ /NDF: 205.8/16

In: 6.387 $\pm$ 0.593  $\chi^2$ /NDF:60.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 6.294 $\pm$ 0.405  $\chi^2$ /NDF: 205.8/16

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 2.640+/-0.355  $\chi^2/\text{NDF}$ : 3047.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.500+/-0.344  $\chi^2/\text{NDF}$ : 3385.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

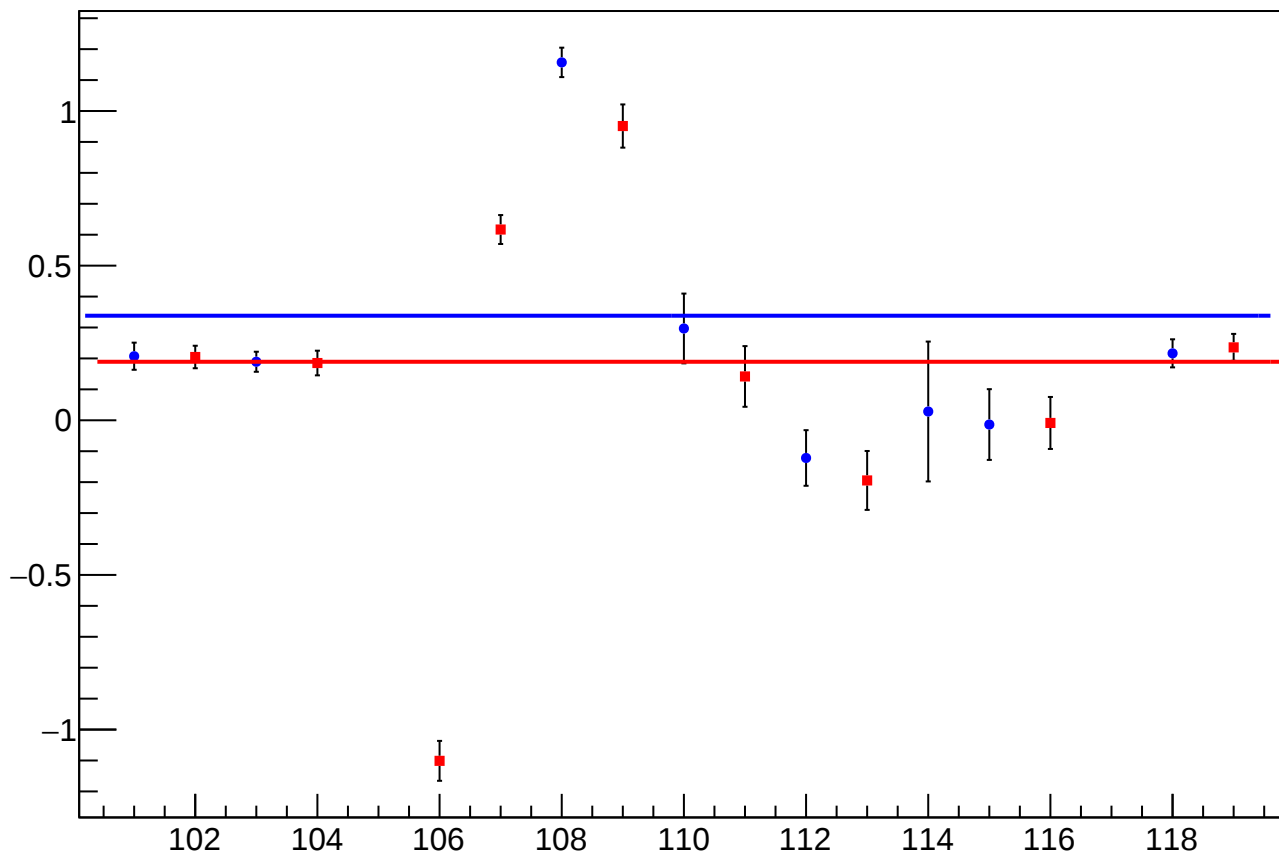
Right: 3.600+/-0.247  $\chi^2/\text{NDF}$ : 6447.1/16

In: 2.640+/-0.355  $\chi^2/\text{NDF}$ : 3047.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.600+/-0.247  $\chi^2/\text{NDF}$ : 6447.1/16

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.338+/-0.019  $\chi^2/\text{NDF}$ : 371.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.189+/-0.018  $\chi^2/\text{NDF}$ : 625.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

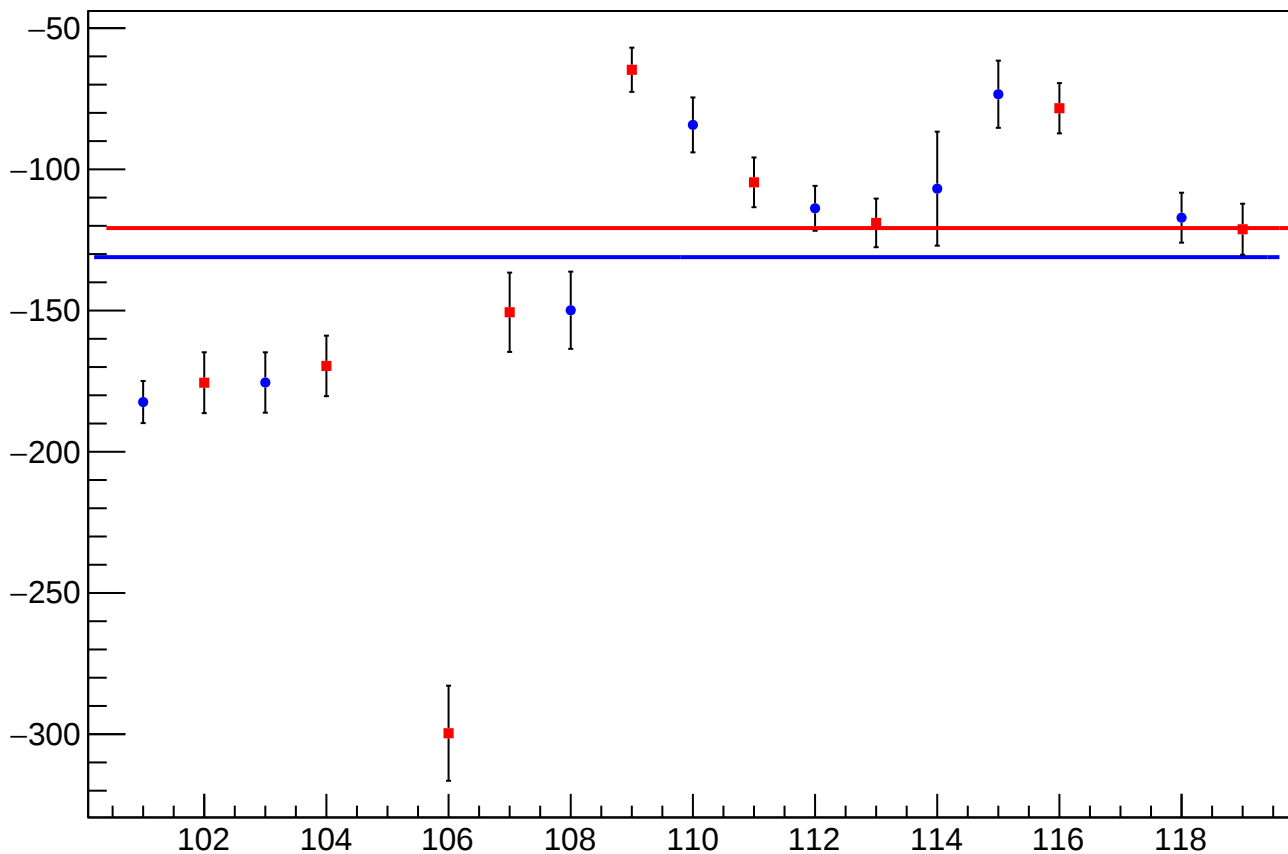
Right: 0.258+/-0.013  $\chi^2/\text{NDF}$ : 1029.4/16

In: 0.338+/-0.019  $\chi^2/\text{NDF}$ : 371.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.258+/-0.013  $\chi^2/\text{NDF}$ : 1029.4/16

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -131.086+/-3.517  $\chi^2/\text{NDF}$ : 122.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -120.791+/-3.271  $\chi^2/\text{NDF}$ : 241.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

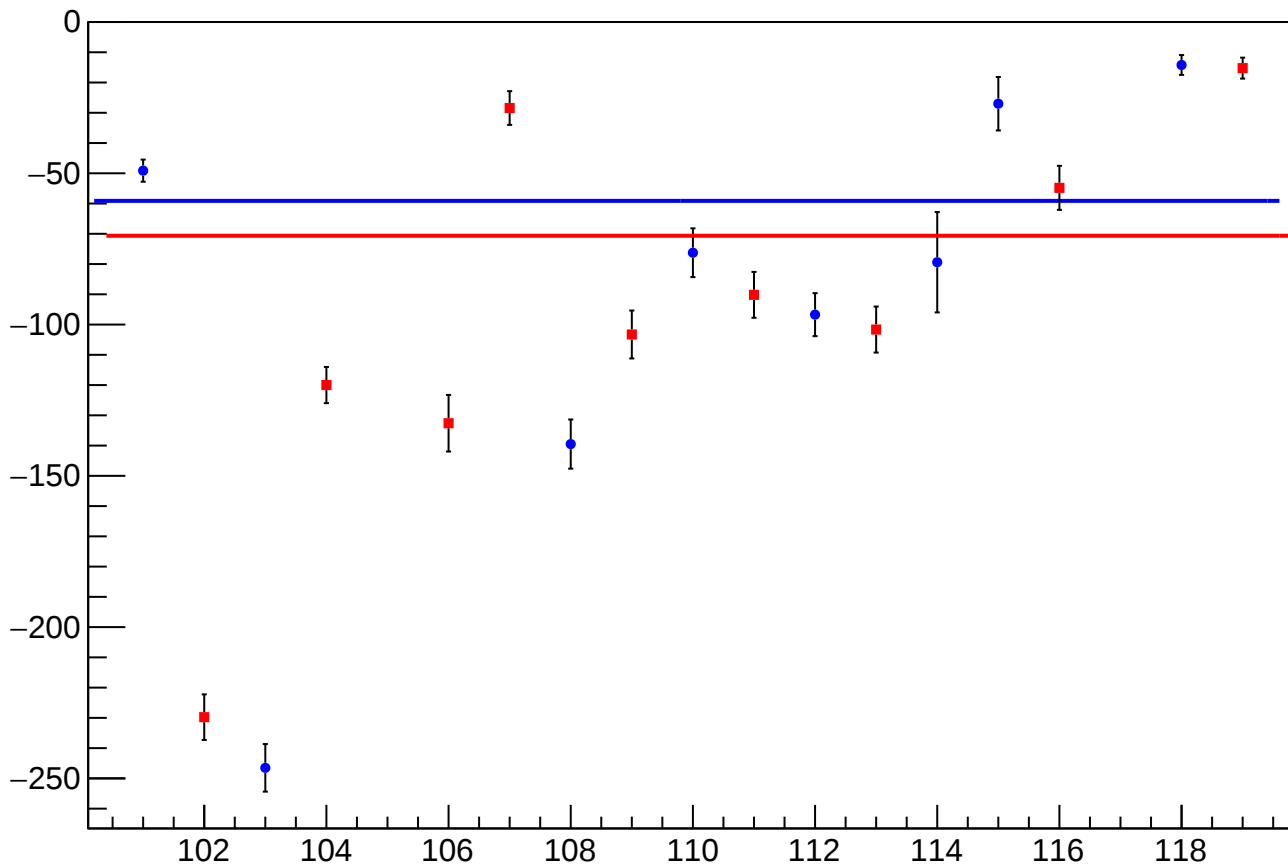
Right: -125.566+/-2.395  $\chi^2/\text{NDF}$ : 367.9/16

In: -131.086+/-3.517  $\chi^2/\text{NDF}$ : 122.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -125.566+/-2.395  $\chi^2/\text{NDF}$ : 367.9/16

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -59.116 $\pm$ 1.998  $\chi^2$ /NDF: 908.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -70.647 $\pm$ 2.032  $\chi^2$ /NDF: 916.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

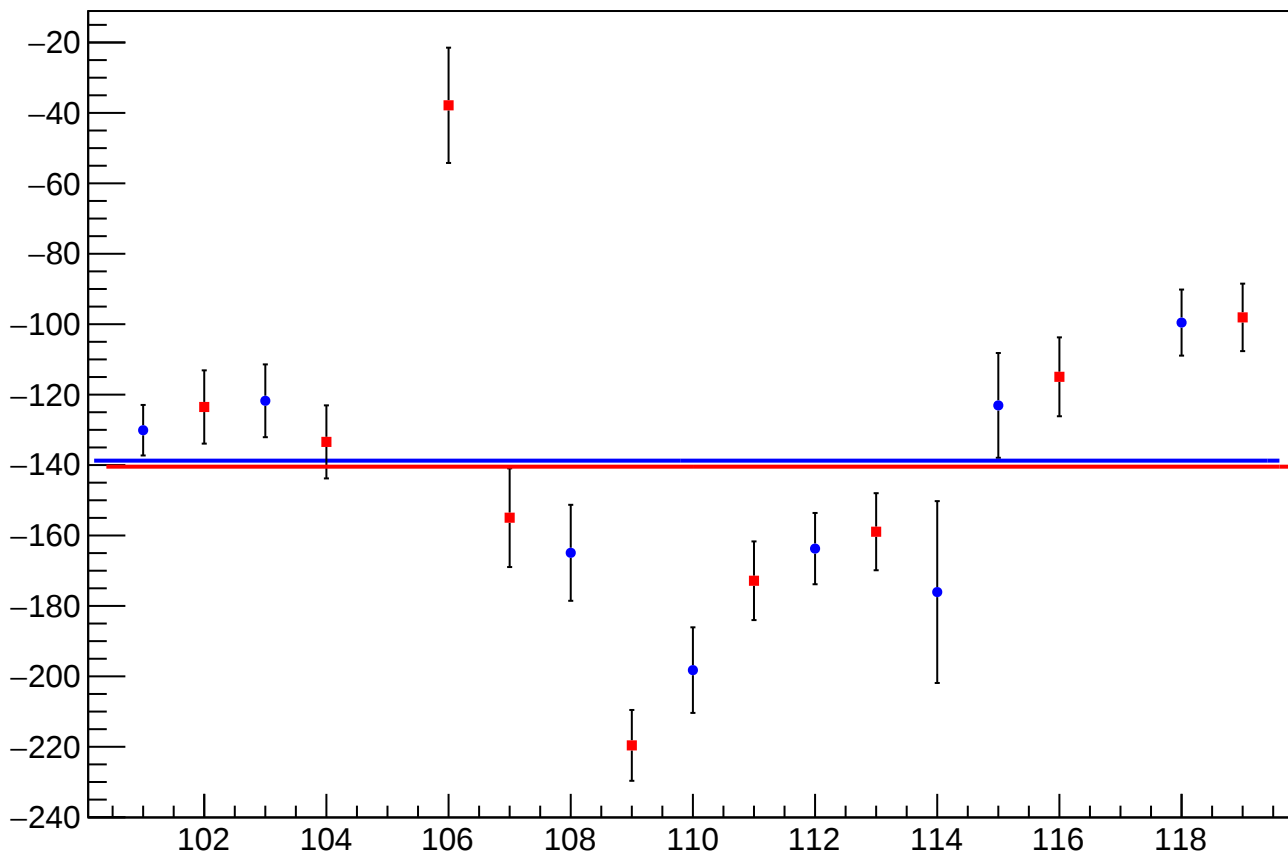
Right: -64.783 $\pm$ 1.425  $\chi^2$ /NDF: 1841.4/16

In: -59.116 $\pm$ 1.998  $\chi^2$ /NDF:908.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -64.783 $\pm$ 1.425  $\chi^2$ /NDF: 1841.4/16

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -138.746+/-3.832  $\chi^2/\text{NDF}$ : 58.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -140.457+/-3.715  $\chi^2/\text{NDF}$ : 141.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

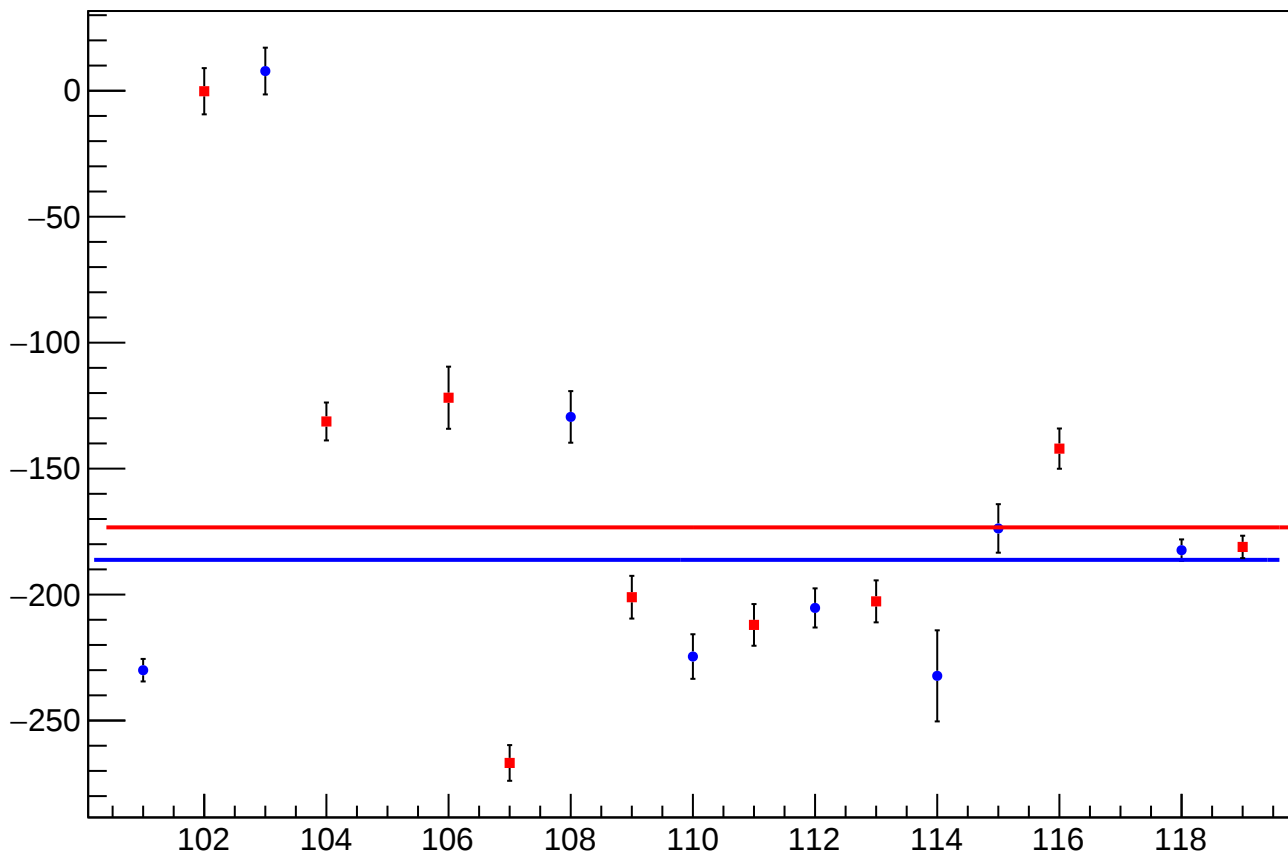
Right: -139.628+/-2.667  $\chi^2/\text{NDF}$ : 200.1/16

In: -138.746+/-3.832  $\chi^2/\text{NDF}$ : 58.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -139.628+/-2.667  $\chi^2/\text{NDF}$ : 200.1/16

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -186.219+/-2.433  $\chi^2/\text{NDF}$ : 597.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -173.322+/-2.462  $\chi^2/\text{NDF}$ : 642.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

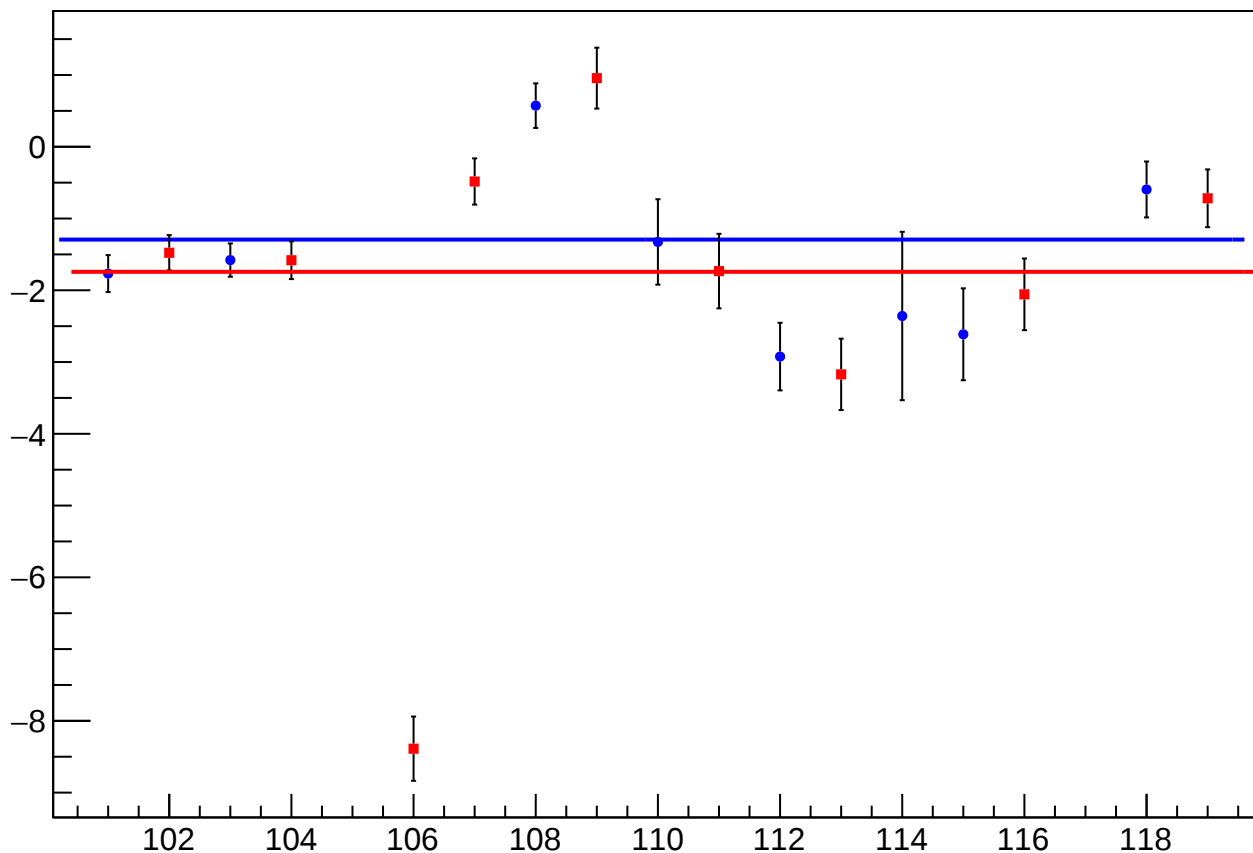
Right: -179.847+/-1.730  $\chi^2/\text{NDF}$ : 1253.5/16

In: -186.219+/-2.433  $\chi^2/\text{NDF}$ : 597.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -179.847+/-1.730  $\chi^2/\text{NDF}$ : 1253.5/16

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.293+/-0.128  $\chi^2/\text{NDF}$ : 61.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.743+/-0.120  $\chi^2/\text{NDF}$ : 292.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

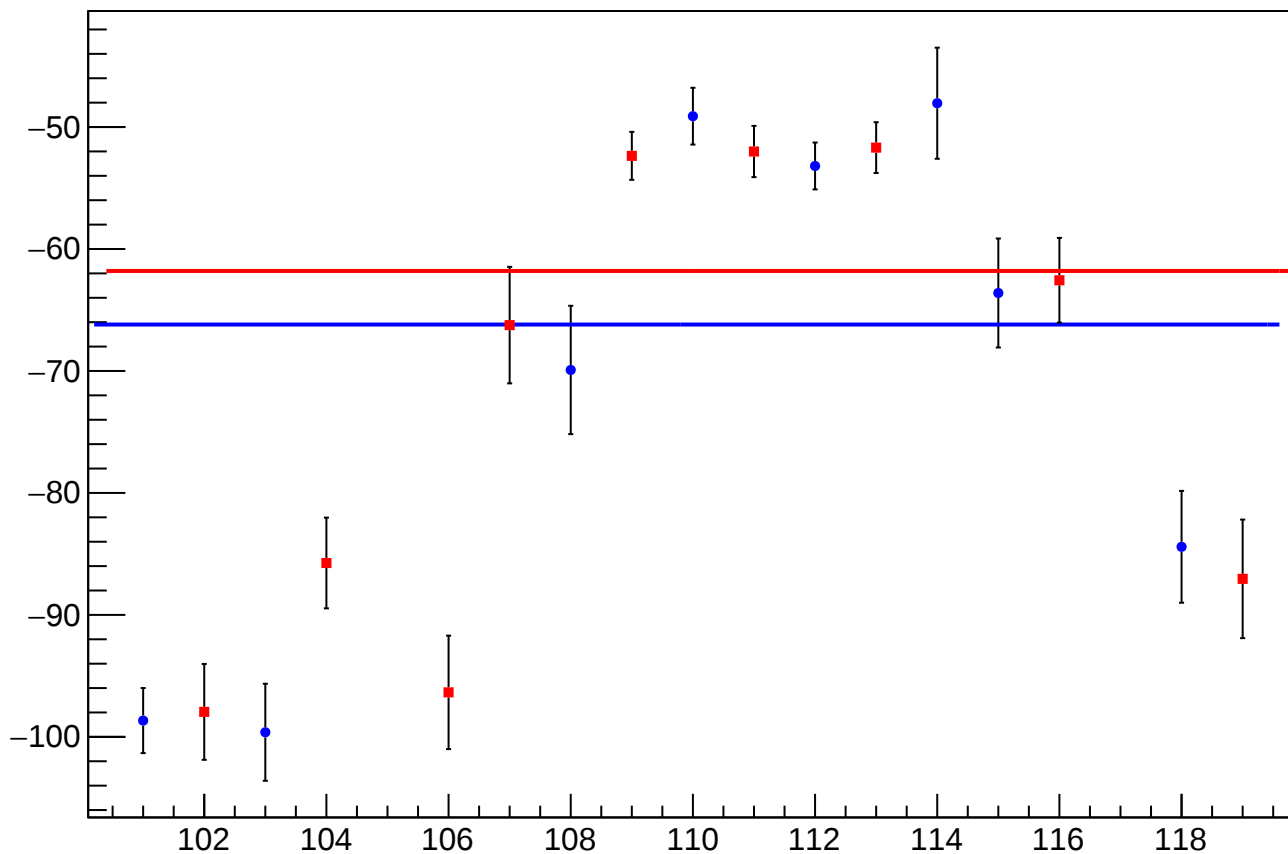
Right: -1.532+/-0.088  $\chi^2/\text{NDF}$ : 360.6/16

In: -1.293+/-0.128  $\chi^2/\text{NDF}$ : 61.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.532+/-0.088  $\chi^2/\text{NDF}$ : 360.6/16

reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -66.193+/-1.090  $\chi^2/\text{NDF}$ : 350.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -61.800+/-0.967  $\chi^2/\text{NDF}$ : 277.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

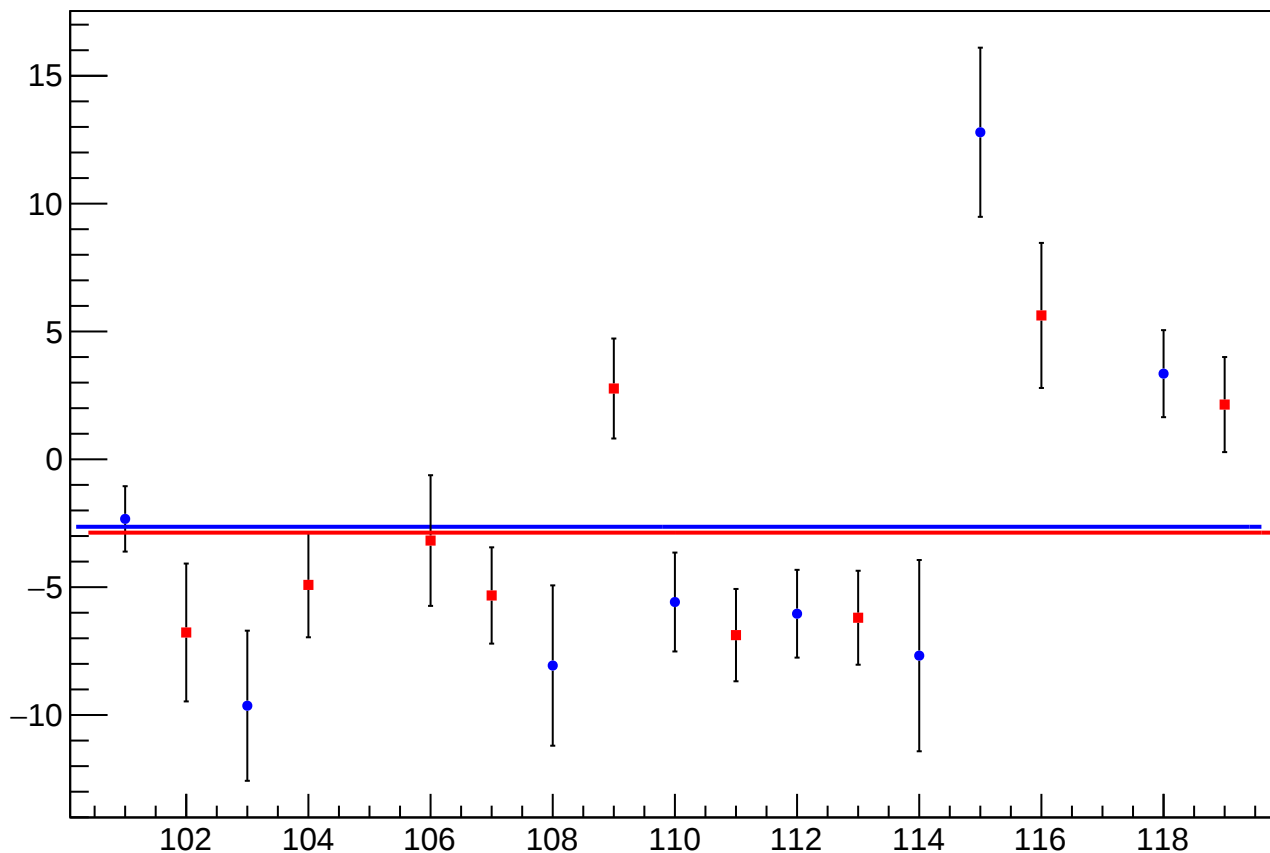
Right: -63.735+/-0.724  $\chi^2/\text{NDF}$ : 637.6/16

In: -66.193+/-1.090  $\chi^2/\text{NDF}$ : 350.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -63.735+/-0.724  $\chi^2/\text{NDF}$ : 637.6/16

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.638+/-0.717  $\chi^2/\text{NDF}$ : 50.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -2.868+/-0.692  $\chi^2/\text{NDF}$ : 37.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

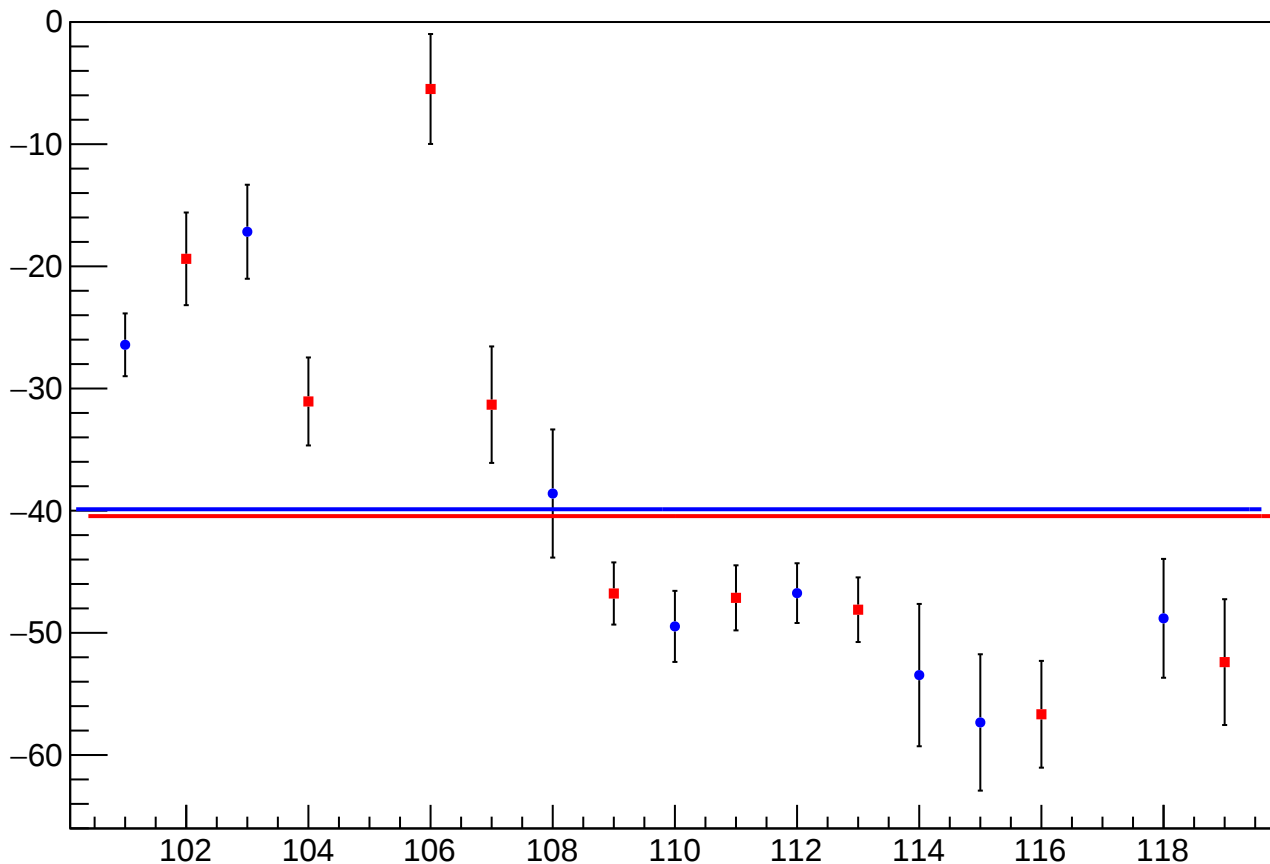
Right: -2.757+/-0.498  $\chi^2/\text{NDF}$ : 88.5/16

In: -2.638+/-0.717  $\chi^2/\text{NDF}$ :50.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -2.757+/-0.498  $\chi^2/\text{NDF}$ : 88.5/16

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -39.883+/-1.246  $\chi^2/\text{NDF}$ : 99.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.445+/-1.141  $\chi^2/\text{NDF}$ : 141.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

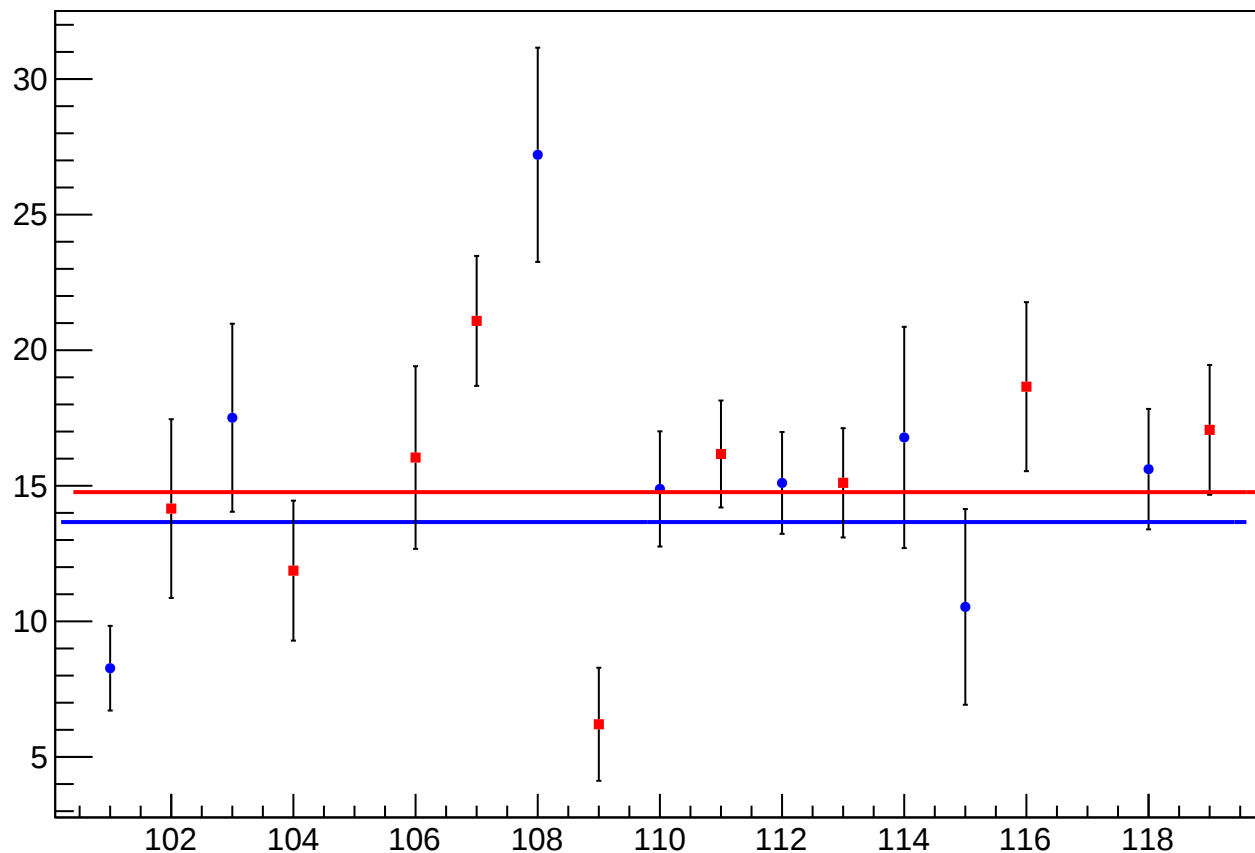
Right: -40.189+/-0.841  $\chi^2/\text{NDF}$ : 241.5/16

In: -39.883+/-1.246  $\chi^2/\text{NDF}$ : 99.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.189+/-0.841  $\chi^2/\text{NDF}$ : 241.5/16

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 13.662 $\pm$ 0.845  $\chi^2$ /NDF: 27.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.766 $\pm$ 0.812  $\chi^2$ /NDF: 28.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

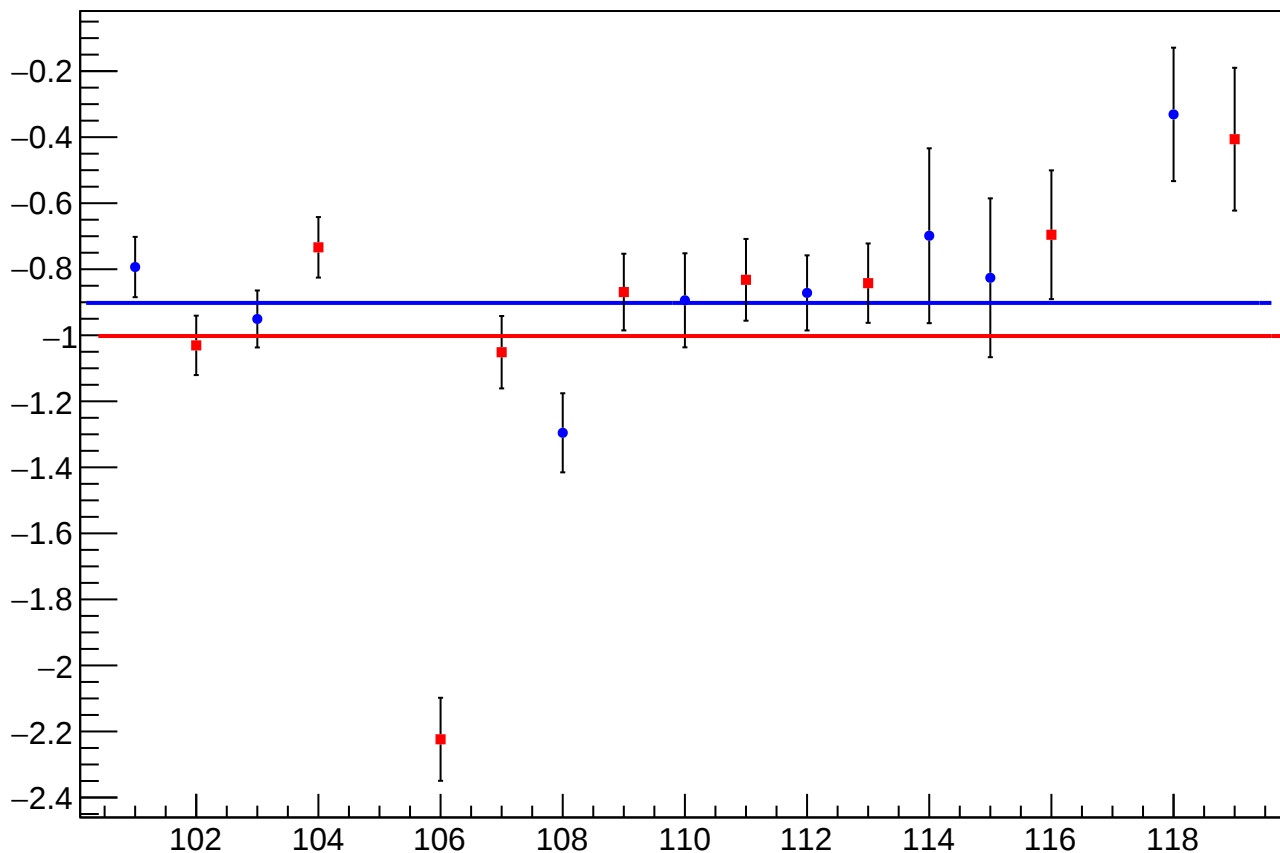
Right: 14.235 $\pm$ 0.585  $\chi^2$ /NDF: 57.1/16

In: 13.662 $\pm$ 0.845  $\chi^2$ /NDF:27.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 14.235 $\pm$ 0.585  $\chi^2$ /NDF: 57.1/16

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.902 $\pm$ 0.044  $\chi^2$ /NDF: 21.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.002 $\pm$ 0.039  $\chi^2$ /NDF: 118.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

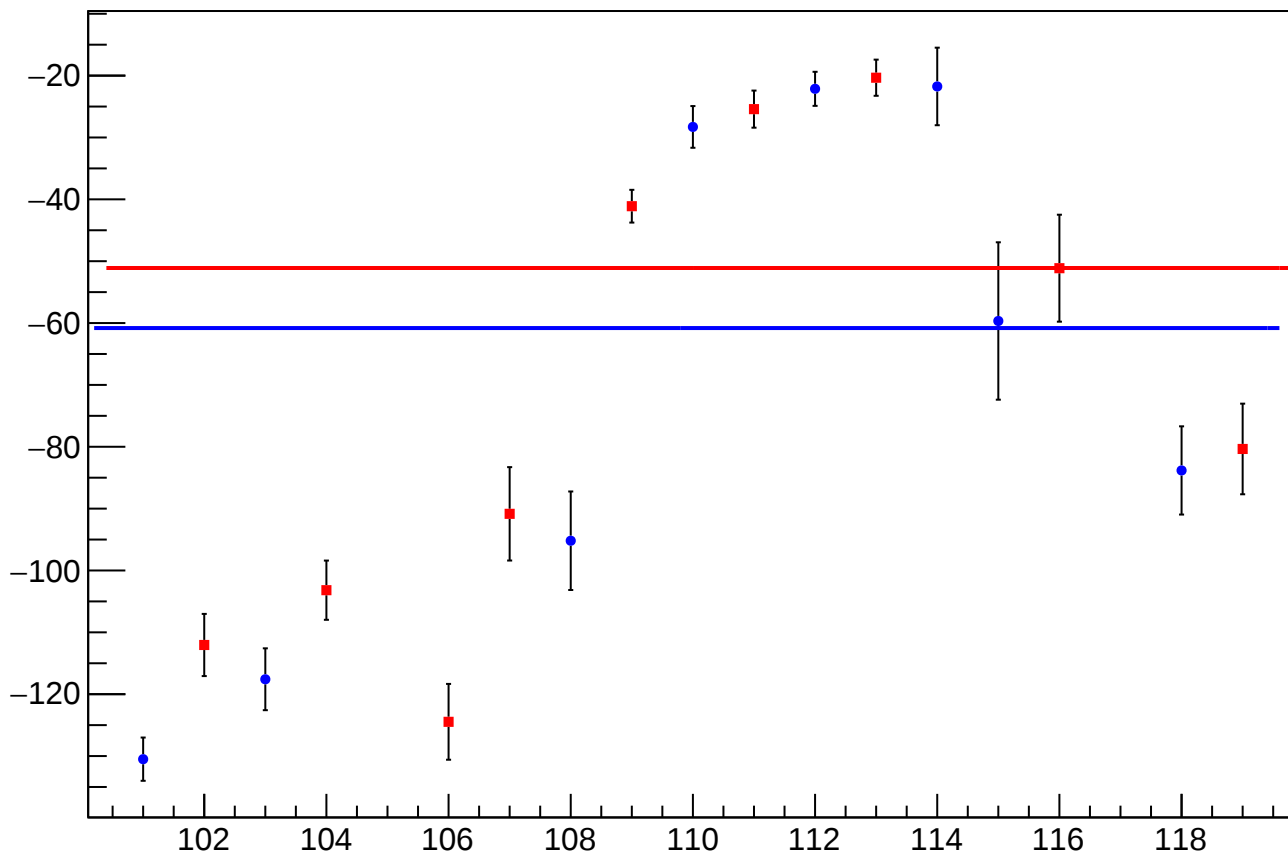
Right: -0.958 $\pm$ 0.029  $\chi^2$ /NDF: 142.5/16

In: -0.902 $\pm$ 0.044  $\chi^2$ /NDF:21.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.958 $\pm$ 0.029  $\chi^2$ /NDF: 142.5/16

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -60.808+/-1.564  $\chi^2/\text{NDF}$ : 884.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -51.099+/-1.373  $\chi^2/\text{NDF}$ : 650.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

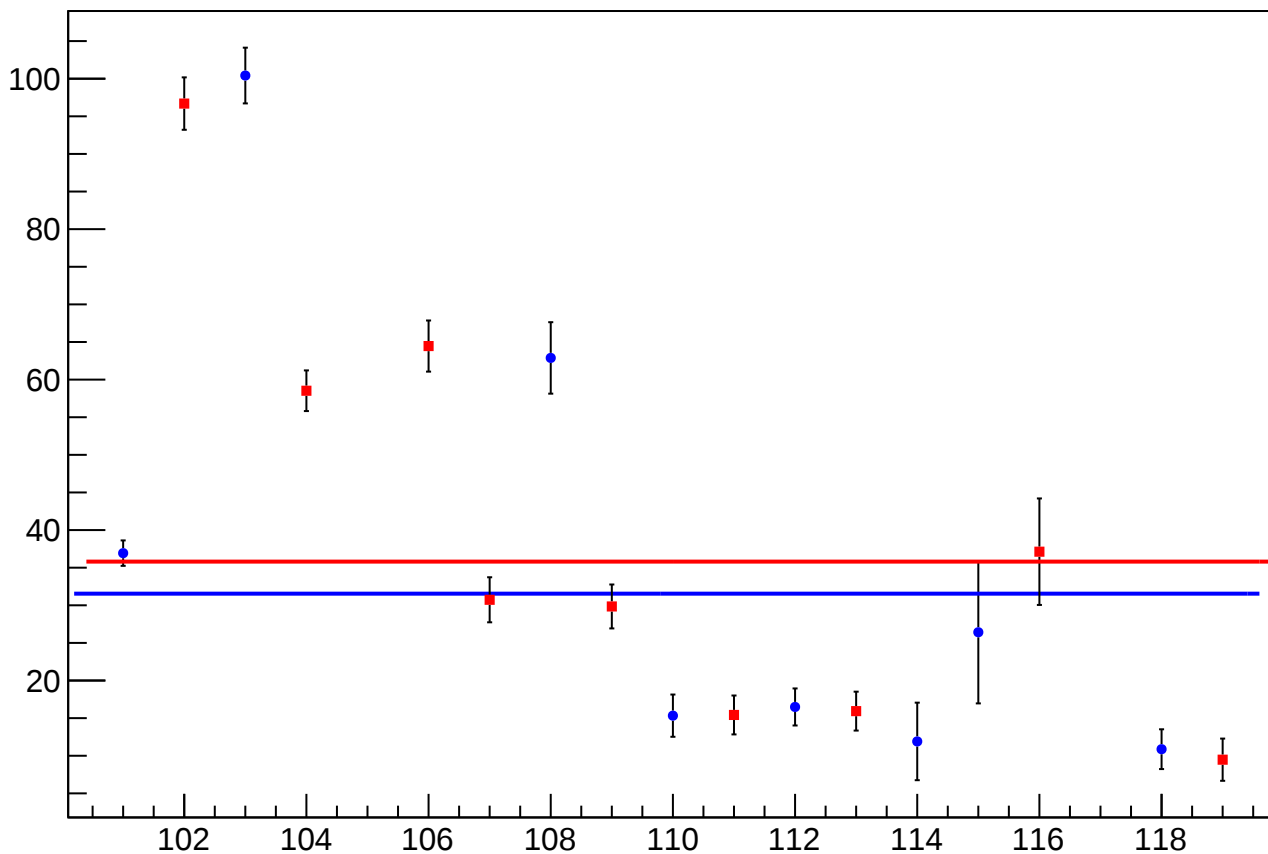
Right: -55.326+/-1.032  $\chi^2/\text{NDF}$ : 1557.1/16

In: -60.808+/-1.564  $\chi^2/\text{NDF}$ : 884.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -55.326+/-1.032  $\chi^2/\text{NDF}$ : 1557.1/16

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 31.546+/-1.025  $\chi^2/\text{NDF}$ : 546.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 35.808+/-1.010  $\chi^2/\text{NDF}$ : 663.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

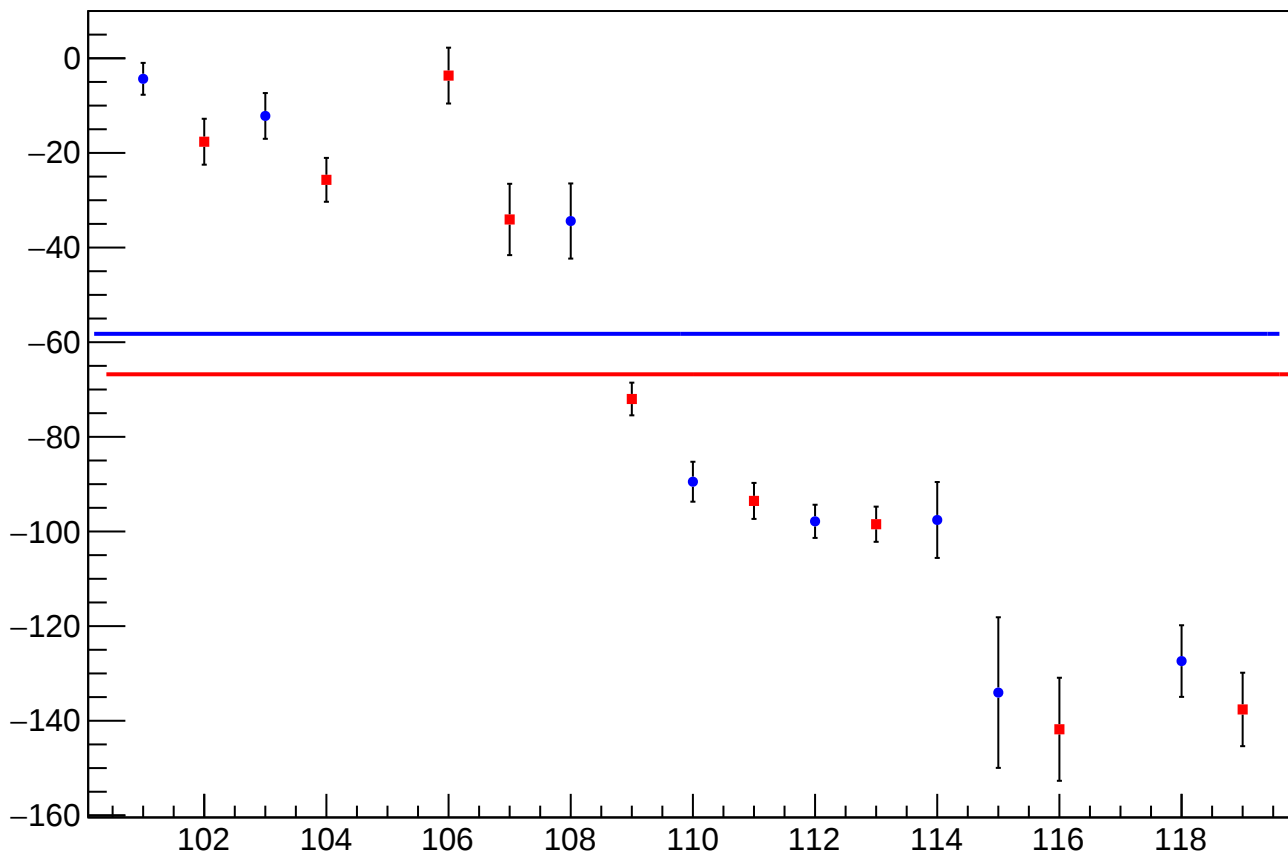
Right: 33.710+/-0.719  $\chi^2/\text{NDF}$ : 1218.4/16

In: 31.546+/-1.025  $\chi^2/\text{NDF}$ : 546.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 33.710+/-0.719  $\chi^2/\text{NDF}$ : 1218.4/16

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -58.231+/-1.764  $\chi^2/\text{NDF}$ : 668.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -66.782+/-1.610  $\chi^2/\text{NDF}$ : 569.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

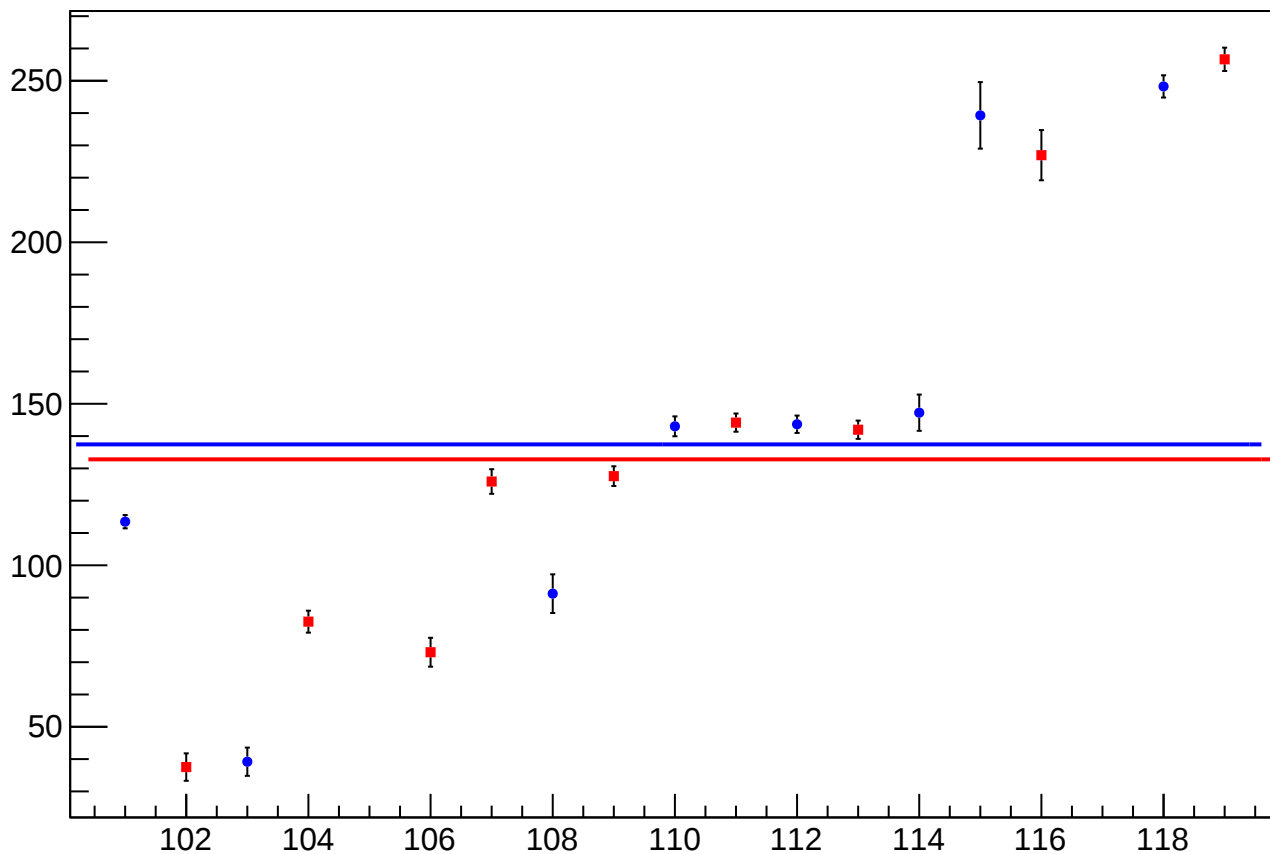
Right: -62.897+/-1.189  $\chi^2/\text{NDF}$ : 1251.0/16

In: -58.231+/-1.764  $\chi^2/\text{NDF}$ :668.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -62.897+/-1.189  $\chi^2/\text{NDF}$ : 1251.0/16

reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 137.431+/-1.209  $\chi^2/\text{NDF}$ : 1841.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 132.799+/-1.185  $\chi^2/\text{NDF}$ : 2257.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

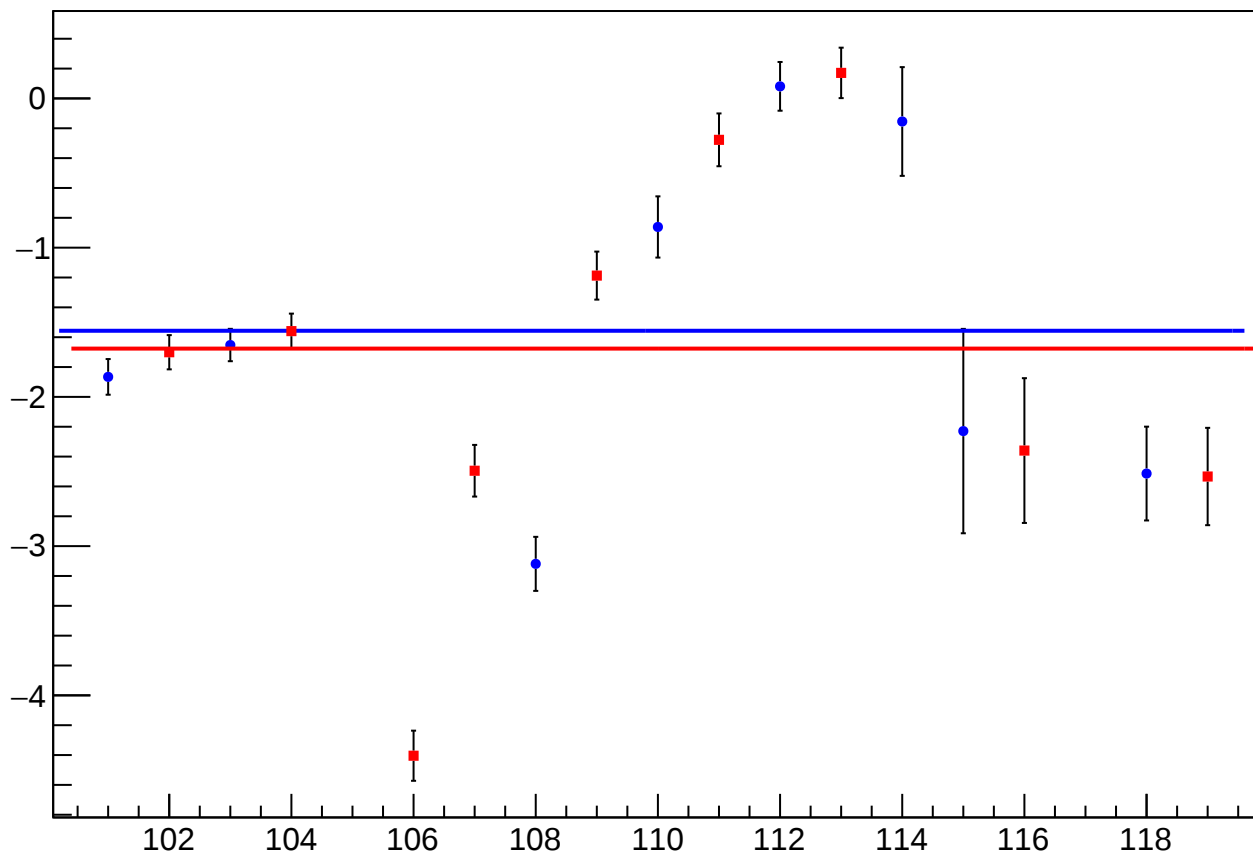
Right: 135.068+/-0.846  $\chi^2/\text{NDF}$ : 4105.7/16

In: 137.431+/-1.209  $\chi^2/\text{NDF}$ :1841.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 135.068+/-0.846  $\chi^2/\text{NDF}$ : 4105.7/16

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.557 $\pm$ 0.061  $\chi^2$ /NDF: 219.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.676 $\pm$ 0.054  $\chi^2$ /NDF: 487.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

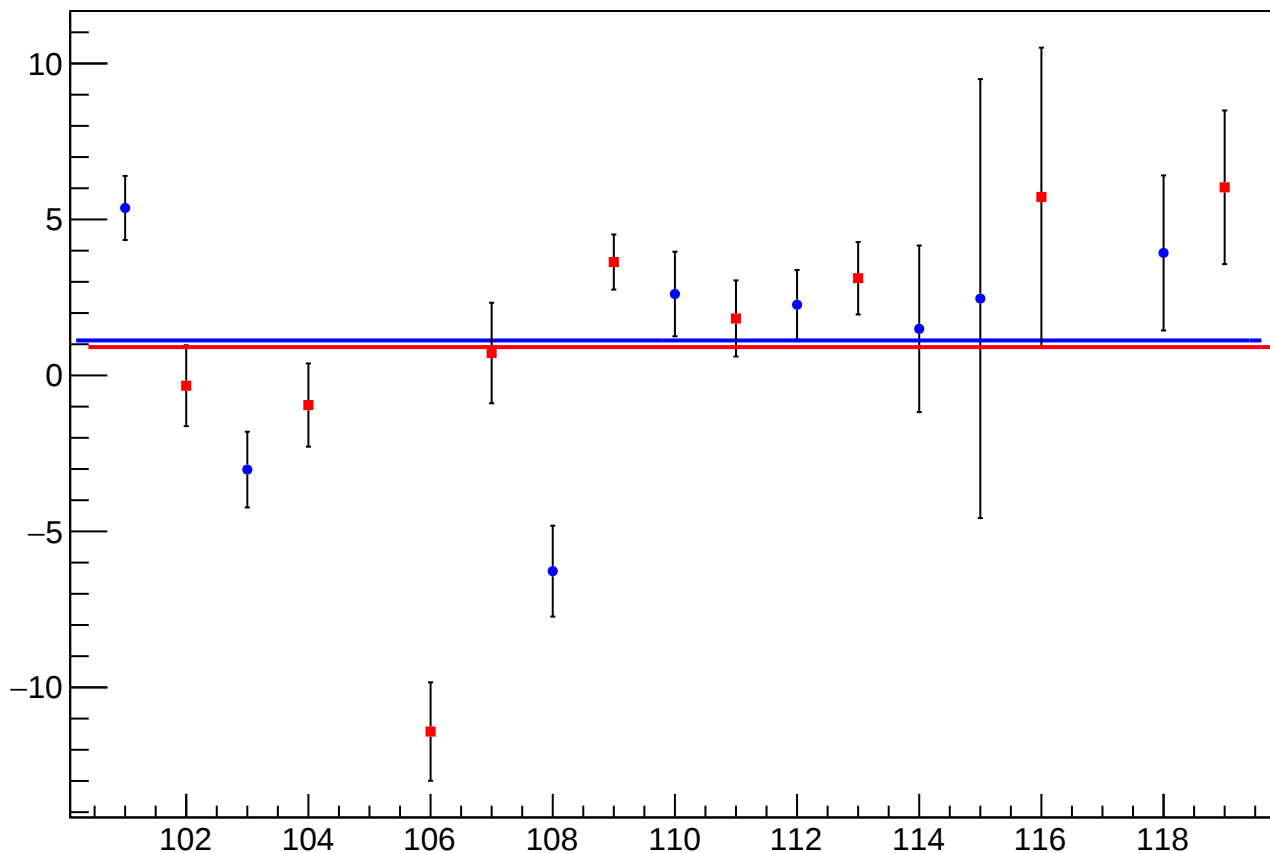
Right: -1.624 $\pm$ 0.041  $\chi^2$ /NDF: 708.4/16

In: -1.557 $\pm$ 0.061  $\chi^2$ /NDF:219.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -1.624 $\pm$ 0.041  $\chi^2$ /NDF: 708.4/16

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.122+/-0.515  $\chi^2/\text{NDF}$ : 58.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.909+/-0.454  $\chi^2/\text{NDF}$ : 82.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

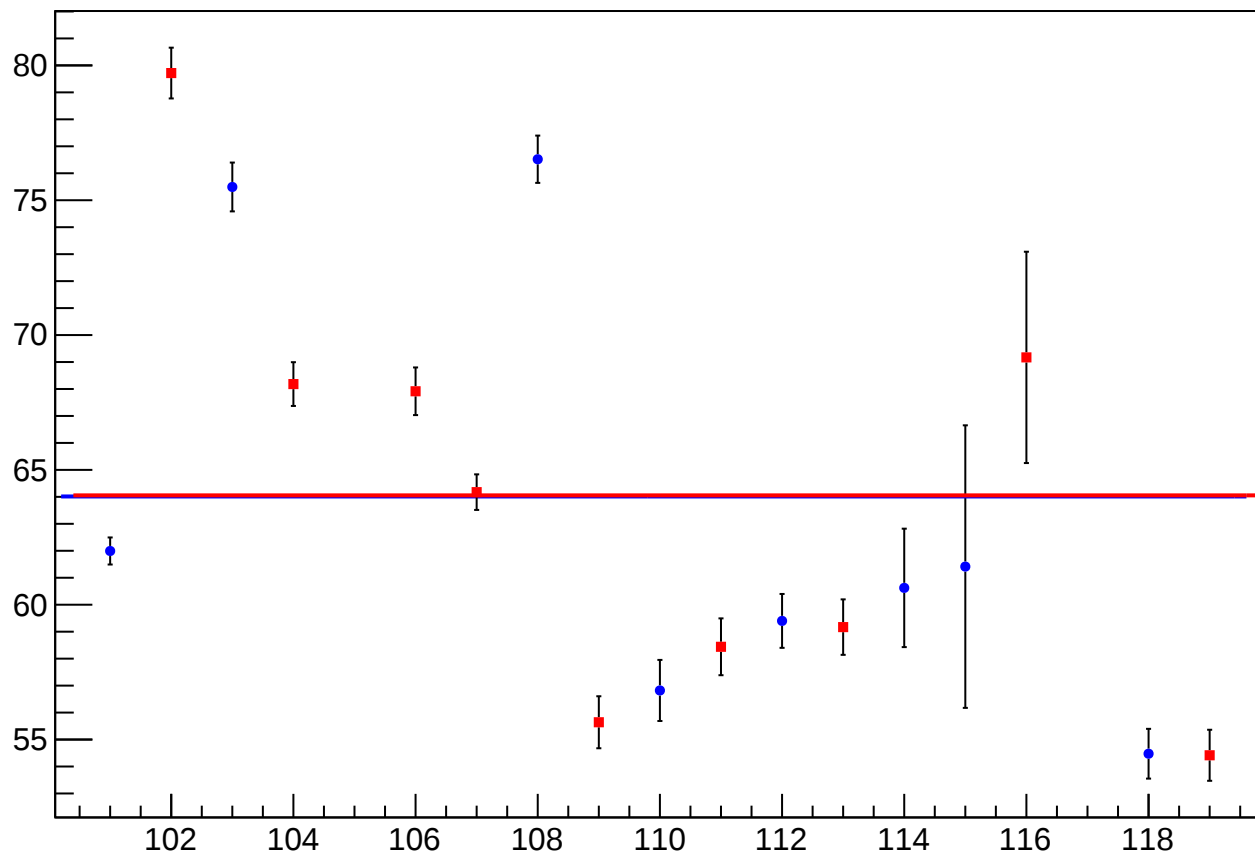
Right: 1.002+/-0.341  $\chi^2/\text{NDF}$ : 141.0/16

In: 1.122+/-0.515  $\chi^2/\text{NDF}$ : 58.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.002+/-0.341  $\chi^2/\text{NDF}$ : 141.0/16

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 64.014+/-0.321  $\chi^2$ /NDF: 551.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 64.055+/-0.311  $\chi^2$ /NDF: 554.2/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

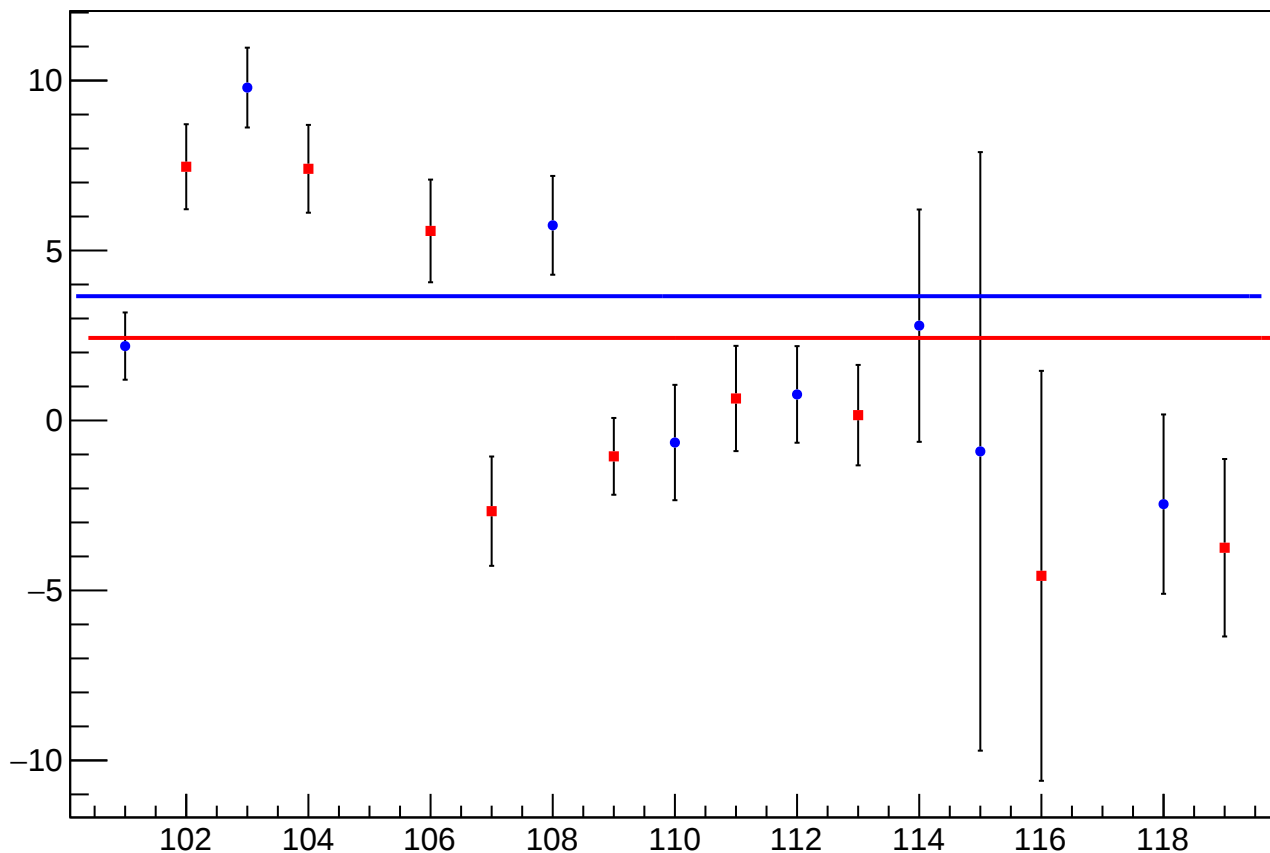
Right: 64.035+/-0.223  $\chi^2$ /NDF: 1105.8/16

In: 64.014+/-0.321  $\chi^2$ /NDF:551.6/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 64.035+/-0.223  $\chi^2$ /NDF: 1105.8/16

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 3.656+/-0.550  $\chi^2/\text{NDF}$ : 47.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.428+/-0.507  $\chi^2/\text{NDF}$ : 65.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

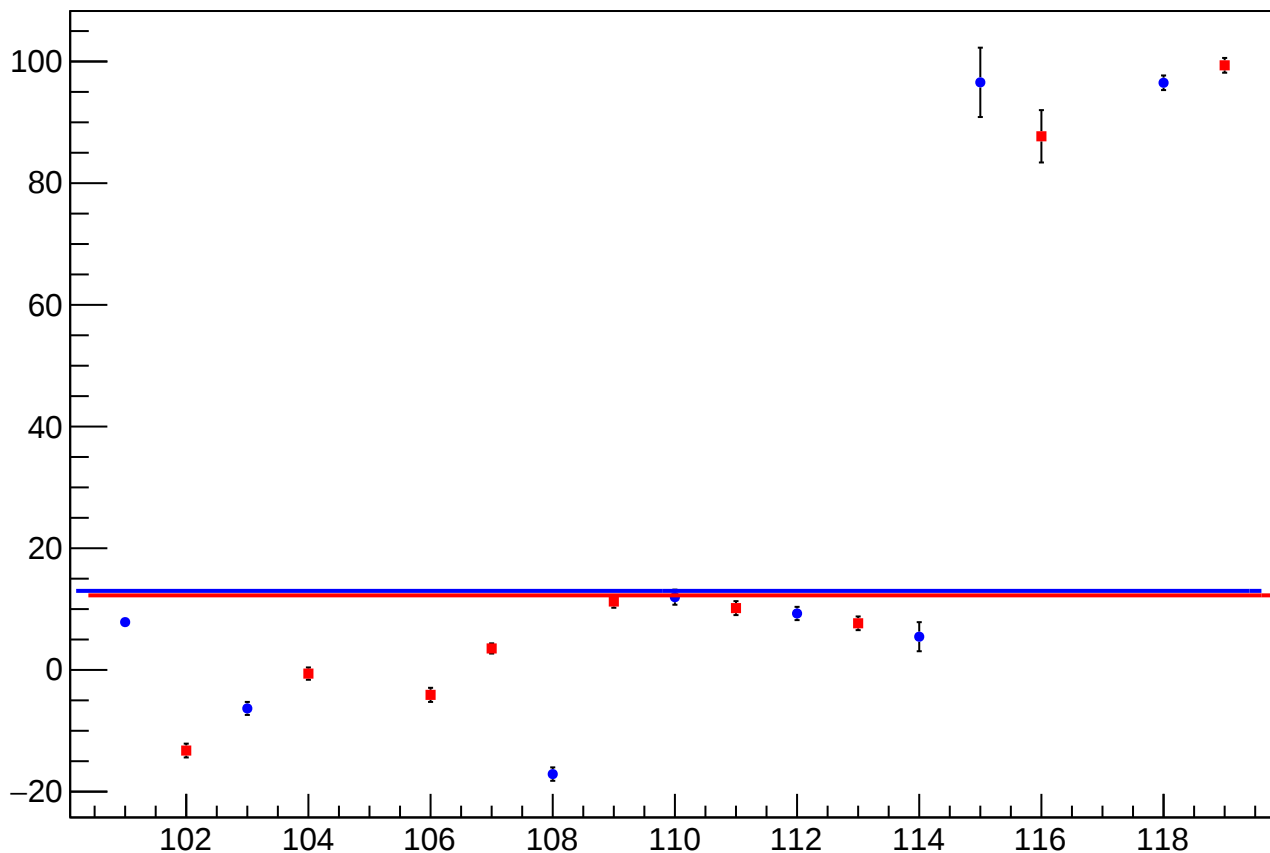
Right: 2.992+/-0.373  $\chi^2/\text{NDF}$ : 116.1/16

In: 3.656+/-0.550  $\chi^2/\text{NDF}$ : 47.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.992+/-0.373  $\chi^2/\text{NDF}$ : 116.1/16

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.994+/-0.385  $\chi^2/\text{NDF}$ : 6216.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.257+/-0.374  $\chi^2/\text{NDF}$ : 6446.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

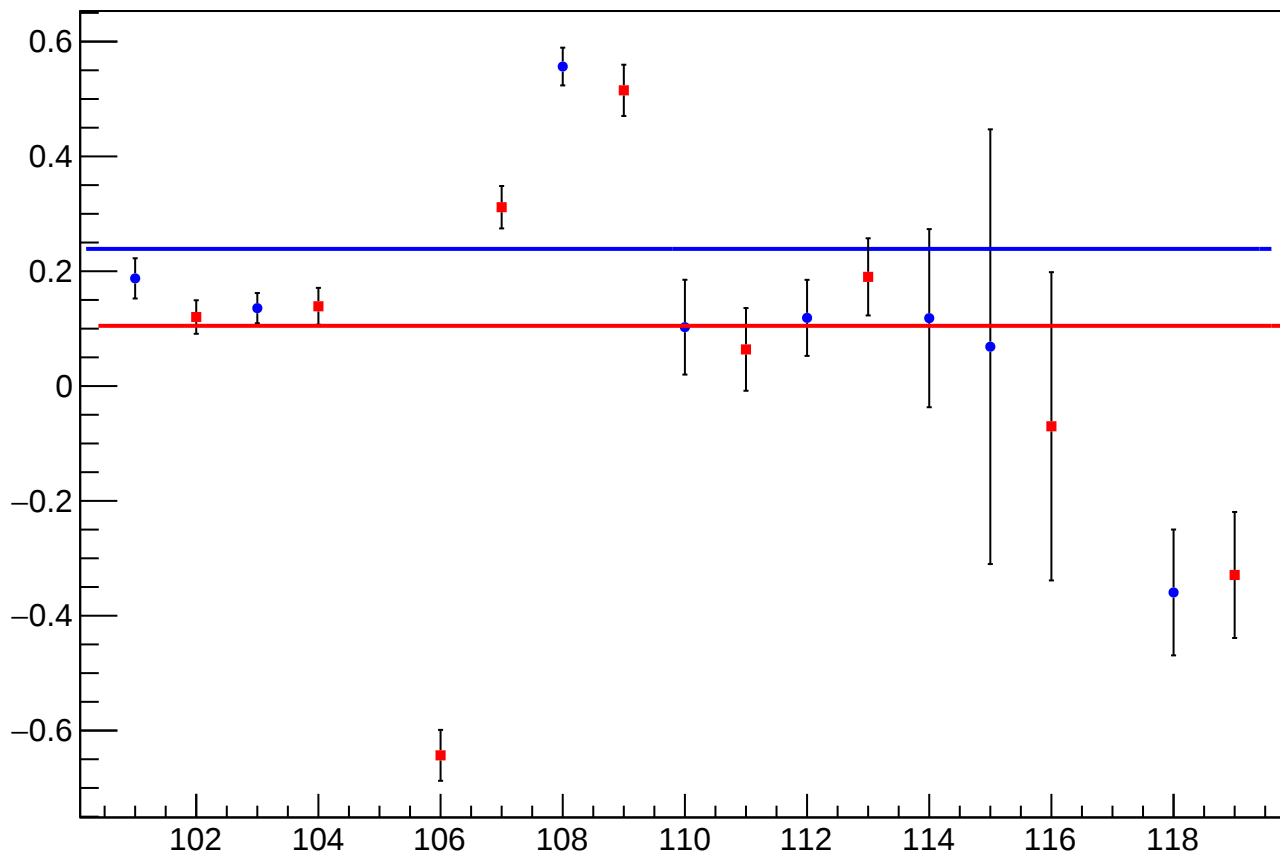
Right: 12.615+/-0.268  $\chi^2/\text{NDF}$ : 12664.0/16

In: 12.994+/-0.385  $\chi^2/\text{NDF}$ : 6216.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.615+/-0.268  $\chi^2/\text{NDF}$ : 12664.0/16

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.239+/-0.016  $\chi^2/\text{NDF}$ : 147.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.105+/-0.015  $\chi^2/\text{NDF}$ : 419.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

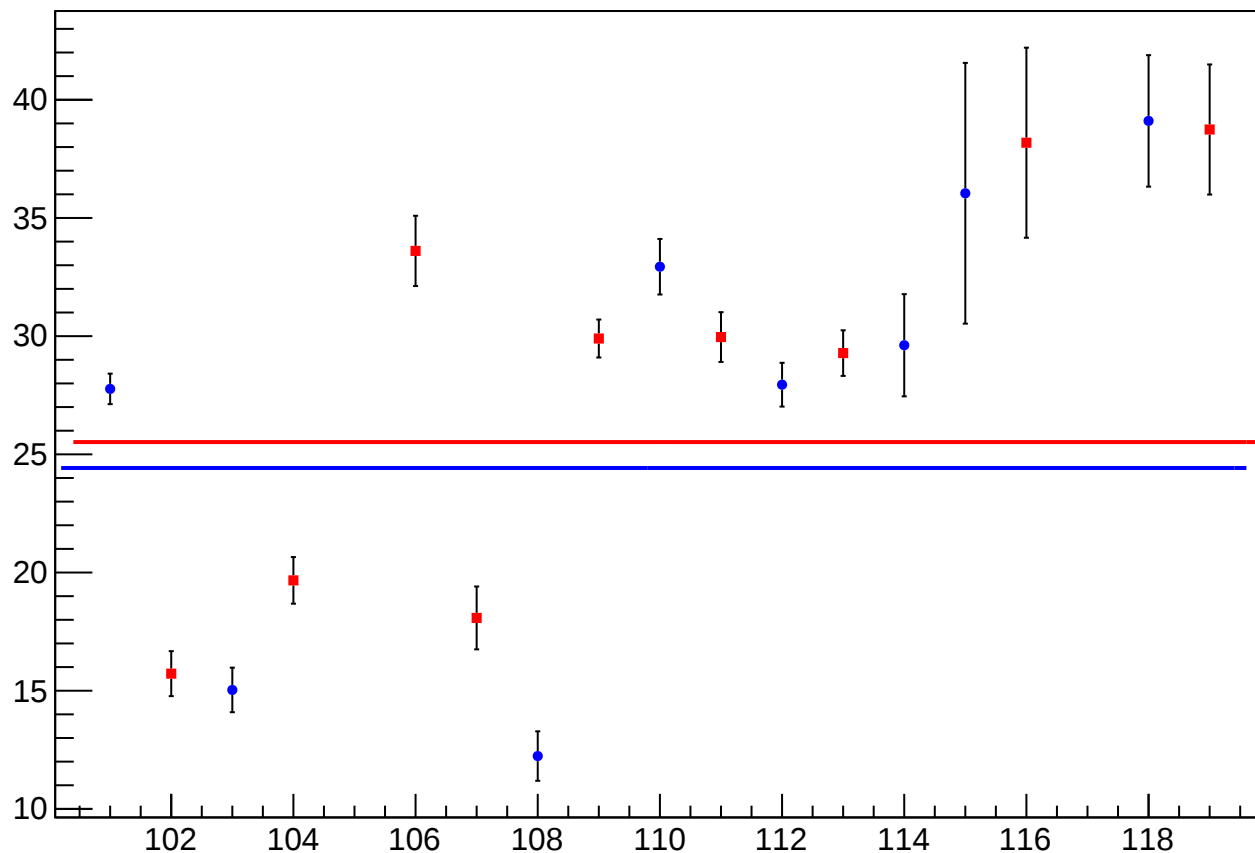
Right: 0.166+/-0.011  $\chi^2/\text{NDF}$ : 603.5/16

In: 0.239+/-0.016  $\chi^2/\text{NDF}$ : 147.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.166+/-0.011  $\chi^2/\text{NDF}$ : 603.5/16

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 24.423+/-0.386  $\chi^2/\text{NDF}$ : 366.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.519+/-0.382  $\chi^2/\text{NDF}$ : 297.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

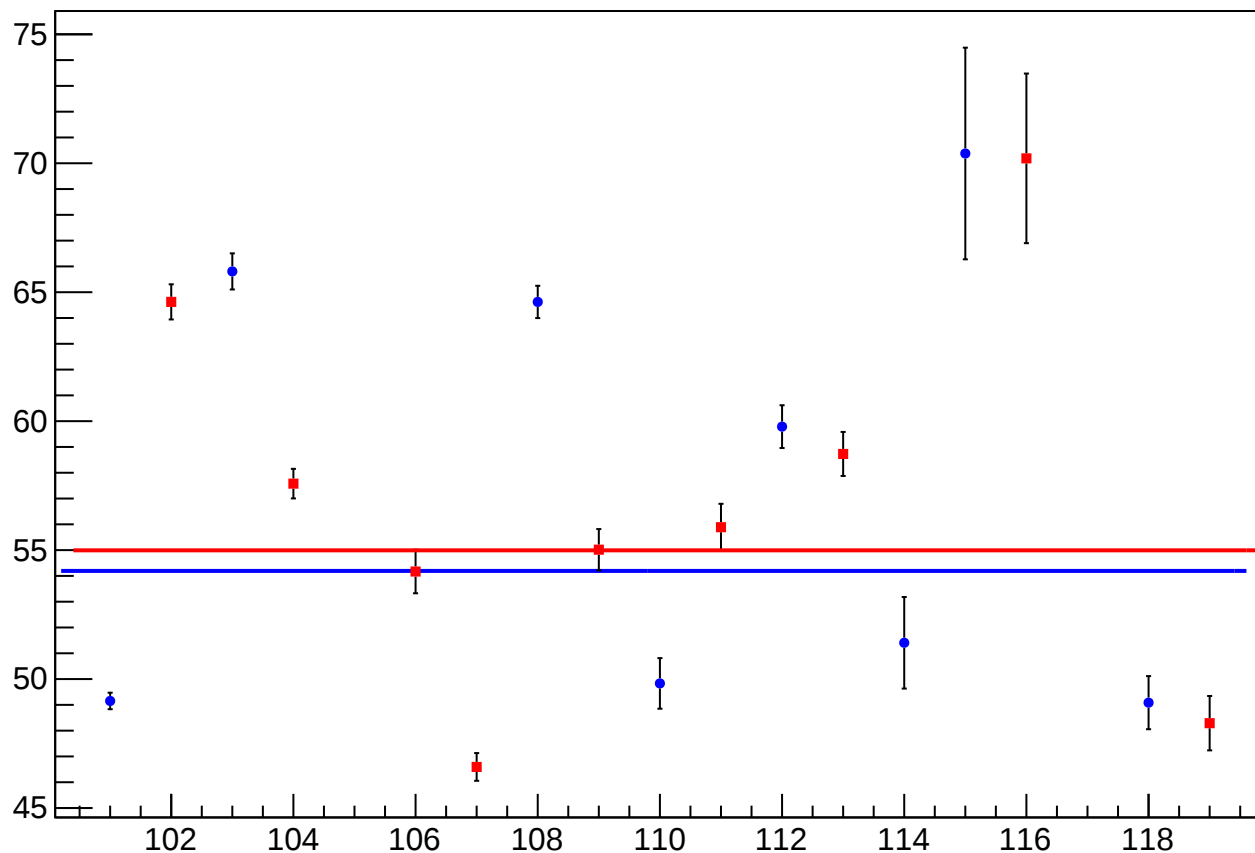
Right: 24.978+/-0.271  $\chi^2/\text{NDF}$ : 668.7/16

In: 24.423+/-0.386  $\chi^2/\text{NDF}$ : 366.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.978+/-0.271  $\chi^2/\text{NDF}$ : 668.7/16

reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 54.194+/-0.235  $\chi^2/\text{NDF}$ : 908.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 54.992+/-0.256  $\chi^2/\text{NDF}$ : 547.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

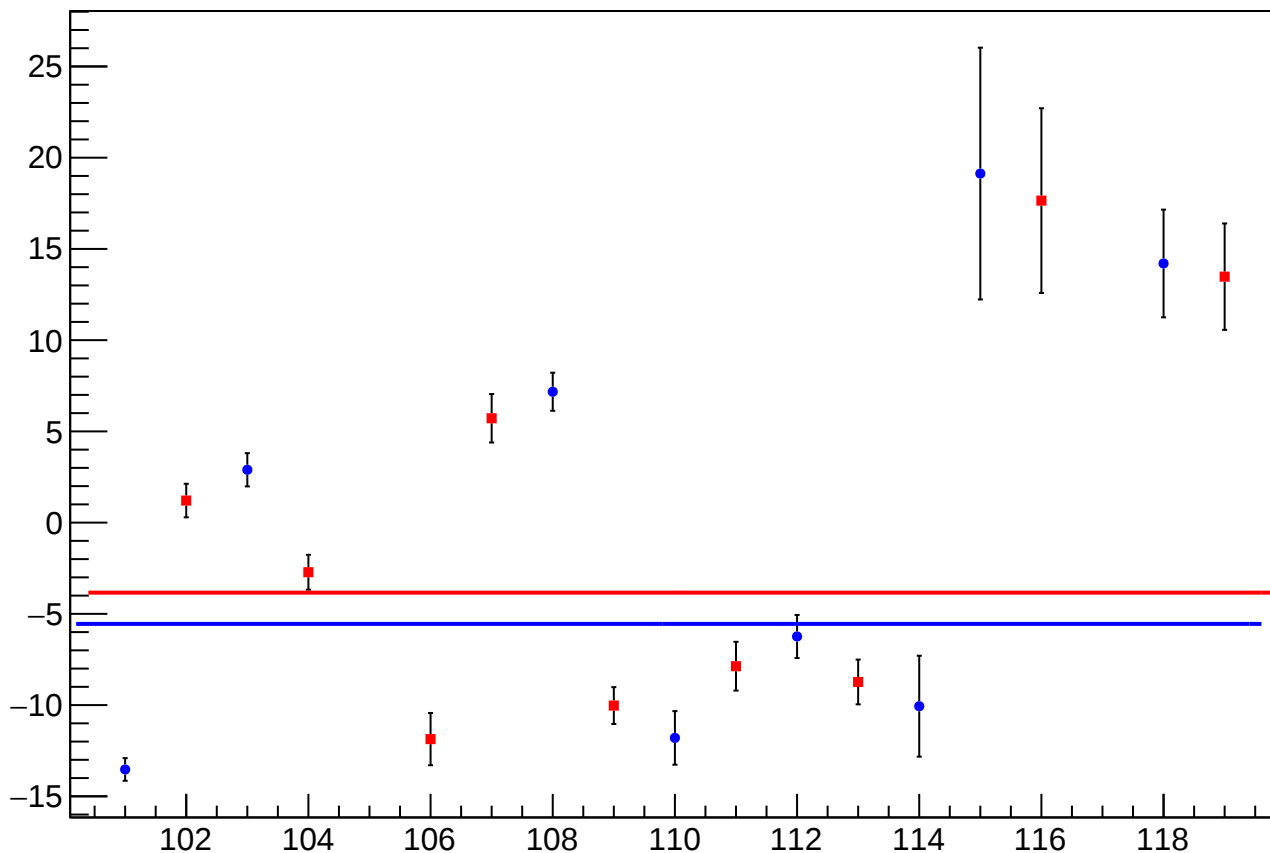
Right: 54.557+/-0.173  $\chi^2/\text{NDF}$ : 1460.5/16

In: 54.194+/-0.235  $\chi^2/\text{NDF}$ : 908.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 54.557+/-0.173  $\chi^2/\text{NDF}$ : 1460.5/16

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -5.550+/-0.403  $\chi^2/\text{NDF}$ : 477.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.837+/-0.419  $\chi^2/\text{NDF}$ : 230.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

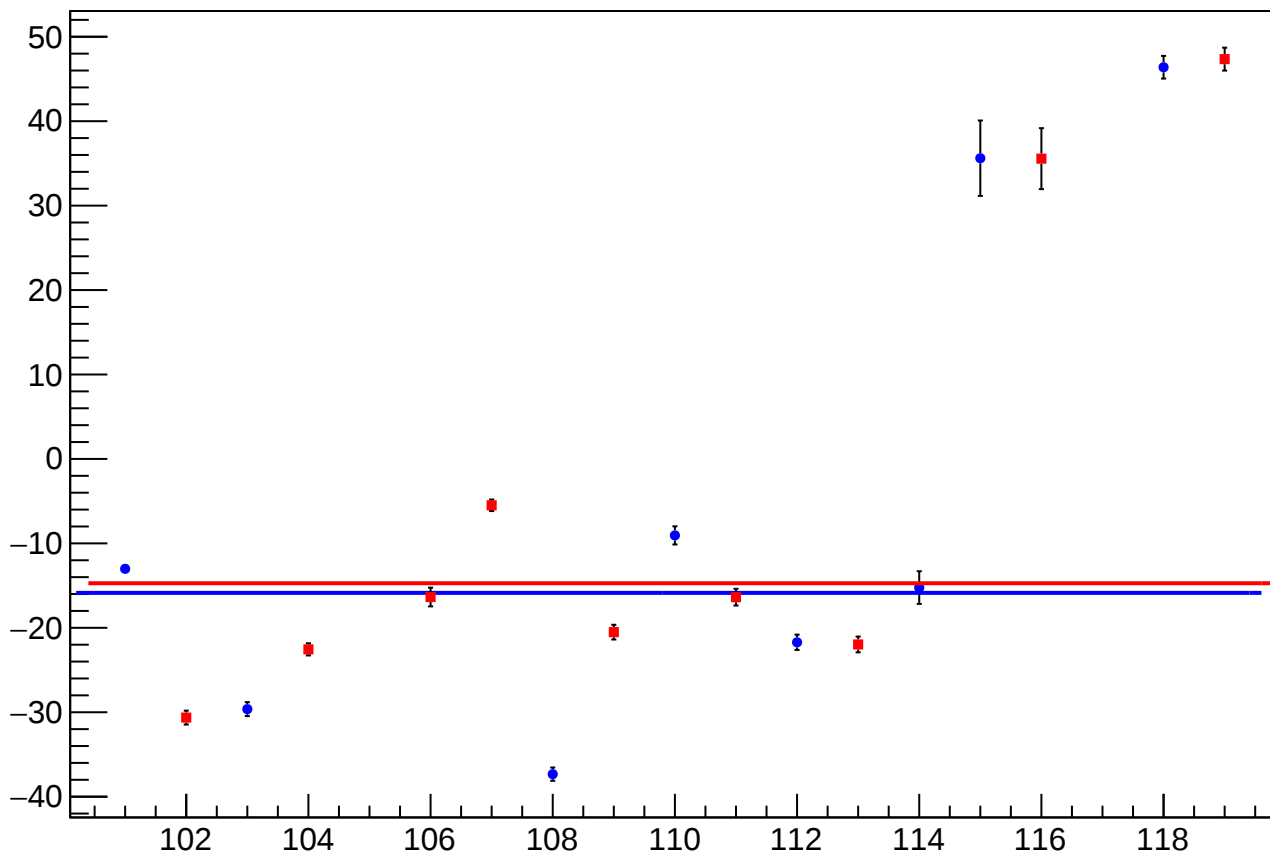
Right: -4.727+/-0.290  $\chi^2/\text{NDF}$ : 717.3/16

In: -5.550+/-0.403  $\chi^2/\text{NDF}$ : 477.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.727+/-0.290  $\chi^2/\text{NDF}$ : 717.3/16

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -15.861 $\pm$ 0.282  $\chi^2$ /NDF: 3436.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.722 $\pm$ 0.309  $\chi^2$ /NDF: 3071.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

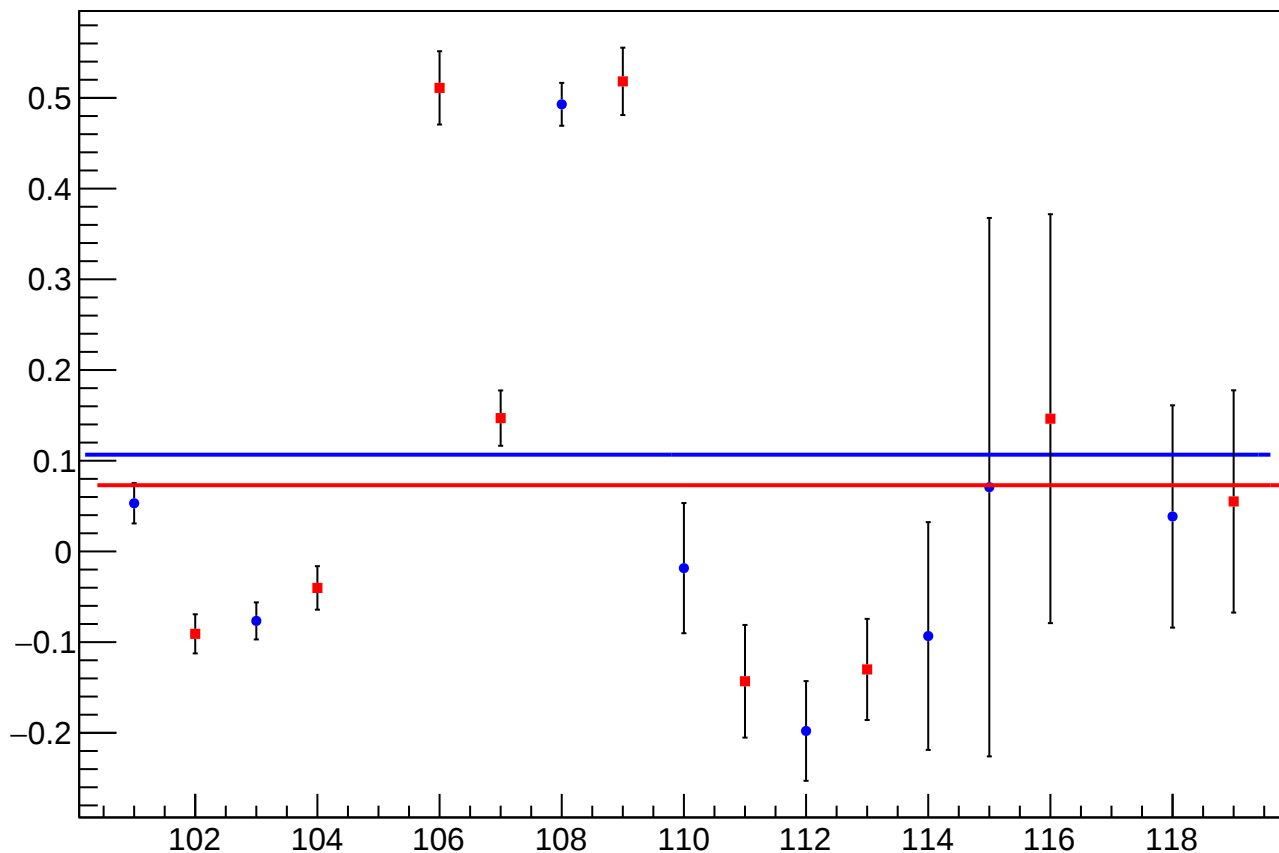
Right: -15.344 $\pm$ 0.208  $\chi^2$ /NDF: 6515.6/16

In: -15.861 $\pm$ 0.282  $\chi^2$ /NDF:3436.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -15.344 $\pm$ 0.208  $\chi^2$ /NDF: 6515.6/16

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.107 $\pm$ 0.012  $\chi^2$ /NDF: 389.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.073 $\pm$ 0.012  $\chi^2$ /NDF: 372.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

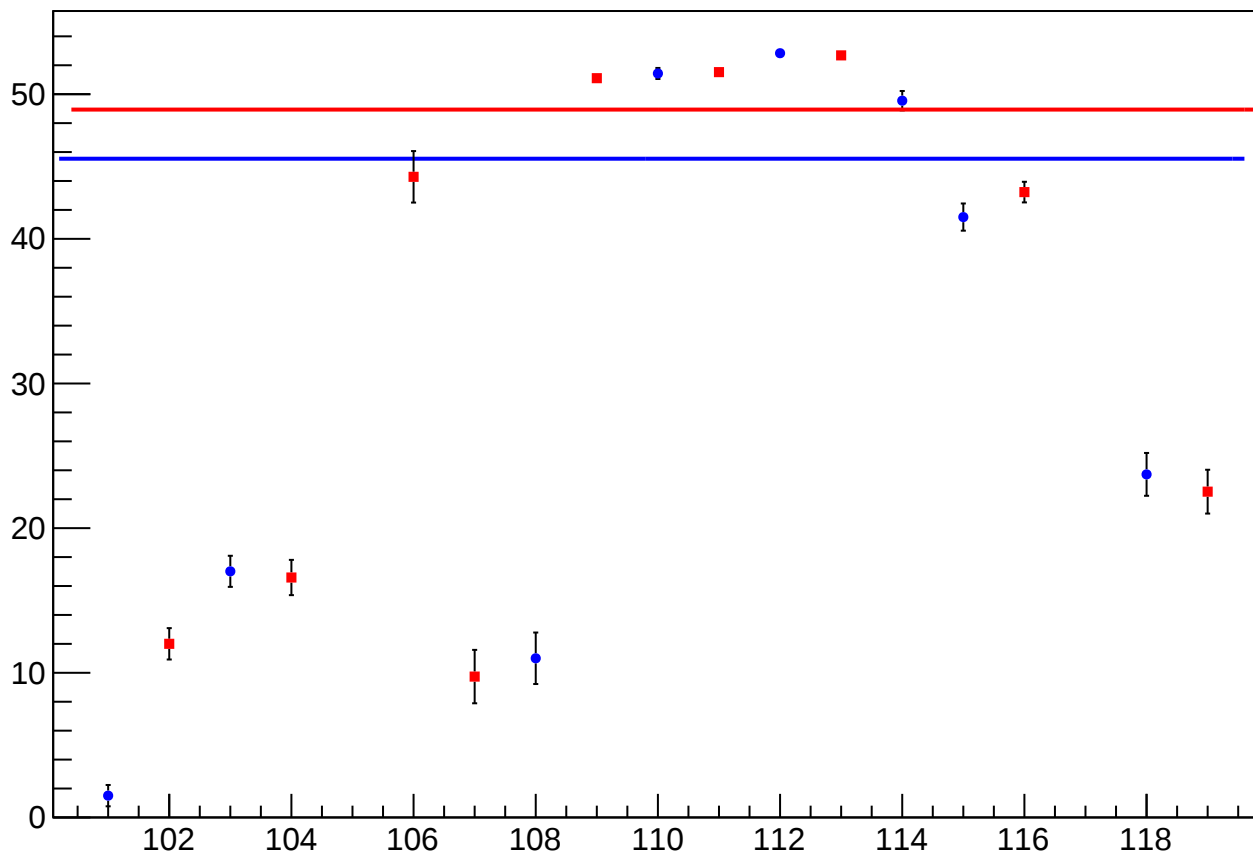
Right: 0.090 $\pm$ 0.009  $\chi^2$ /NDF: 766.0/16

In: 0.107 $\pm$ 0.012  $\chi^2$ /NDF:389.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.090 $\pm$ 0.009  $\chi^2$ /NDF: 766.0/16

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 45.540+/-0.200  $\chi^2/\text{NDF}$ : 5759.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 48.937+/-0.165  $\chi^2/\text{NDF}$ : 2949.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

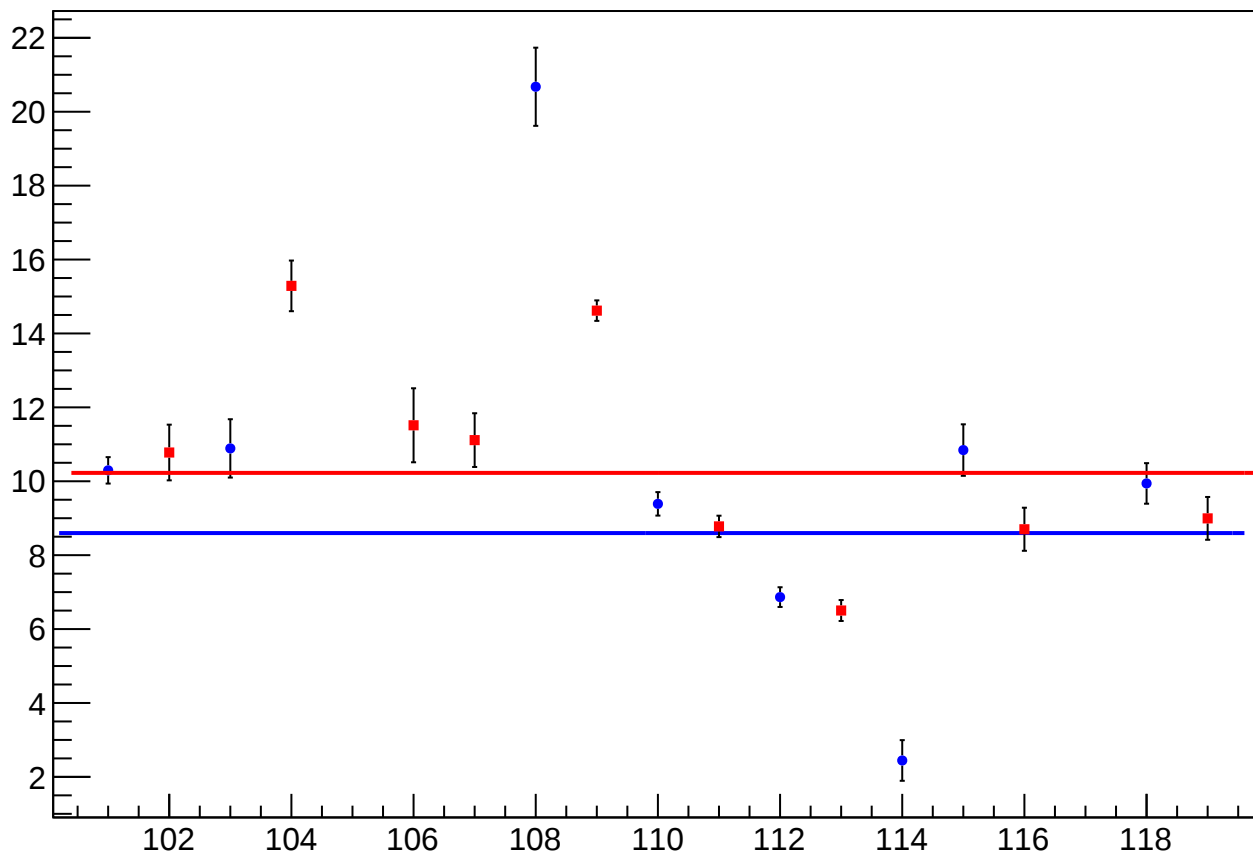
Right: 47.563+/-0.127  $\chi^2/\text{NDF}$ : 8880.3/16

In: 45.540+/-0.200  $\chi^2/\text{NDF}$ : 5759.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 47.563+/-0.127  $\chi^2/\text{NDF}$ : 8880.3/16

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.598+/-0.153  $\chi^2/\text{NDF}$ : 351.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.227+/-0.141  $\chi^2/\text{NDF}$ : 518.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

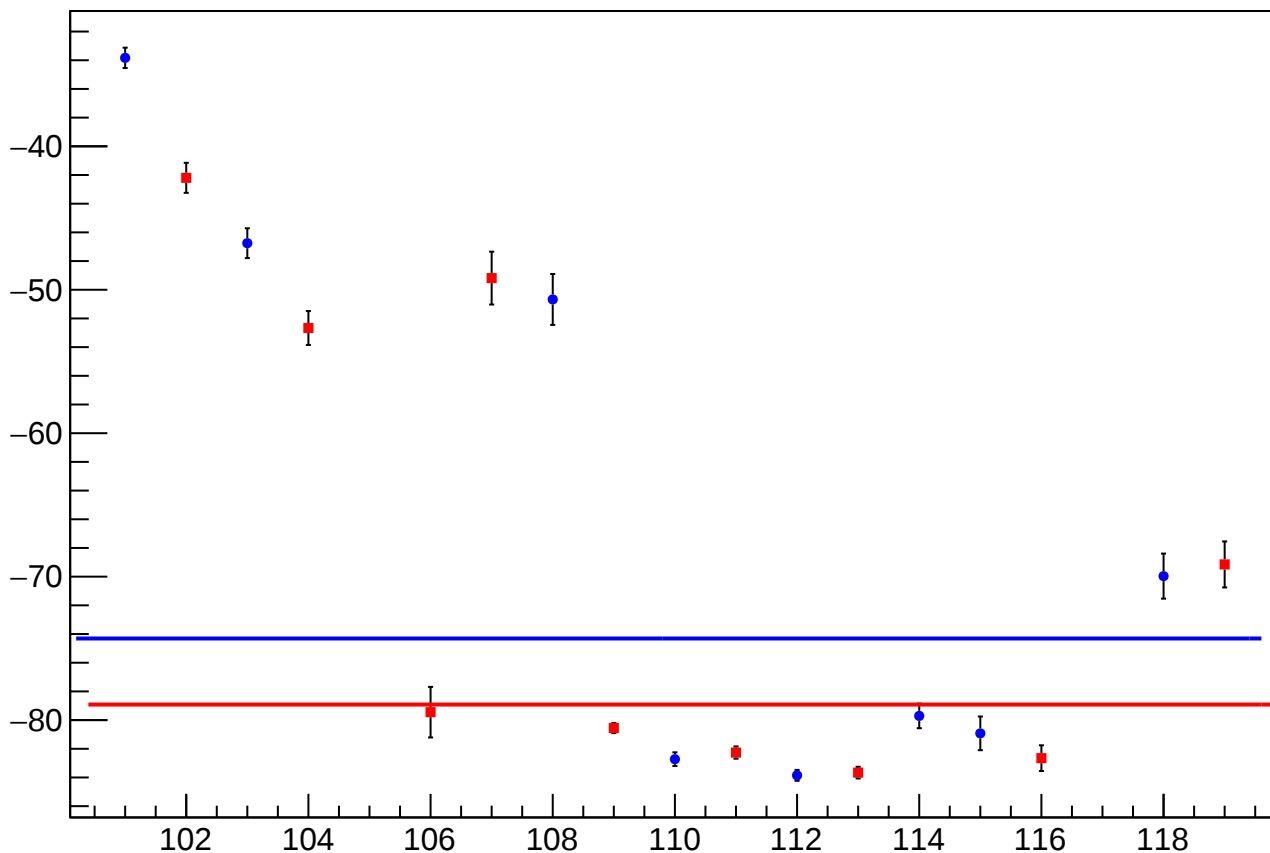
Right: 9.475+/-0.104  $\chi^2/\text{NDF}$ : 930.7/16

In: 8.598+/-0.153  $\chi^2/\text{NDF}$ : 351.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.475+/-0.104  $\chi^2/\text{NDF}$ : 930.7/16

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -74.311+/-0.242  $\chi^2/\text{NDF}$ : 5152.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -78.916+/-0.207  $\chi^2/\text{NDF}$ : 2258.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

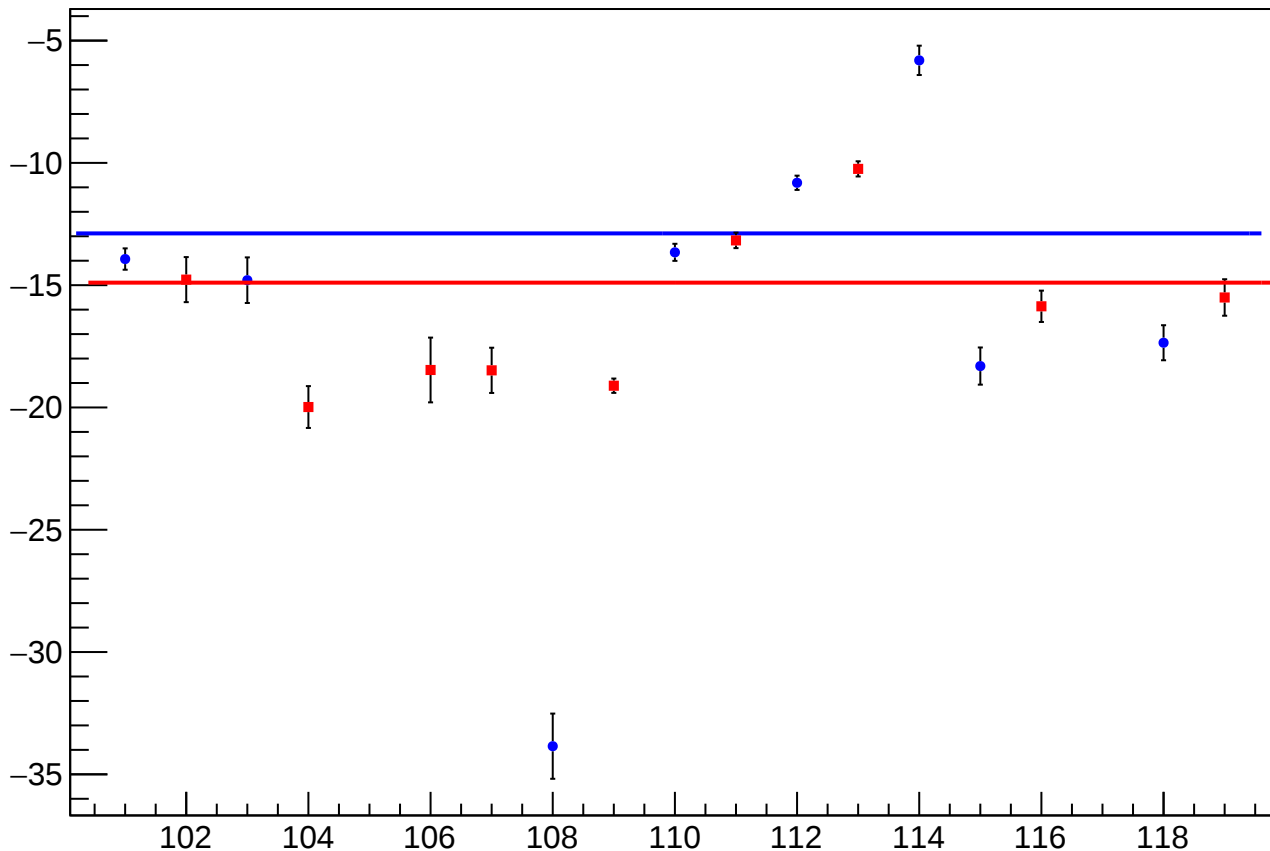
Right: -76.976+/-0.157  $\chi^2/\text{NDF}$ : 7619.2/16

In: -74.311+/-0.242  $\chi^2/\text{NDF}$ : 5152.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -76.976+/-0.157  $\chi^2/\text{NDF}$ : 7619.2/16

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -12.883 $\pm$ 0.173  $\chi^2$ /NDF: 541.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.897 $\pm$ 0.157  $\chi^2$ /NDF: 521.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

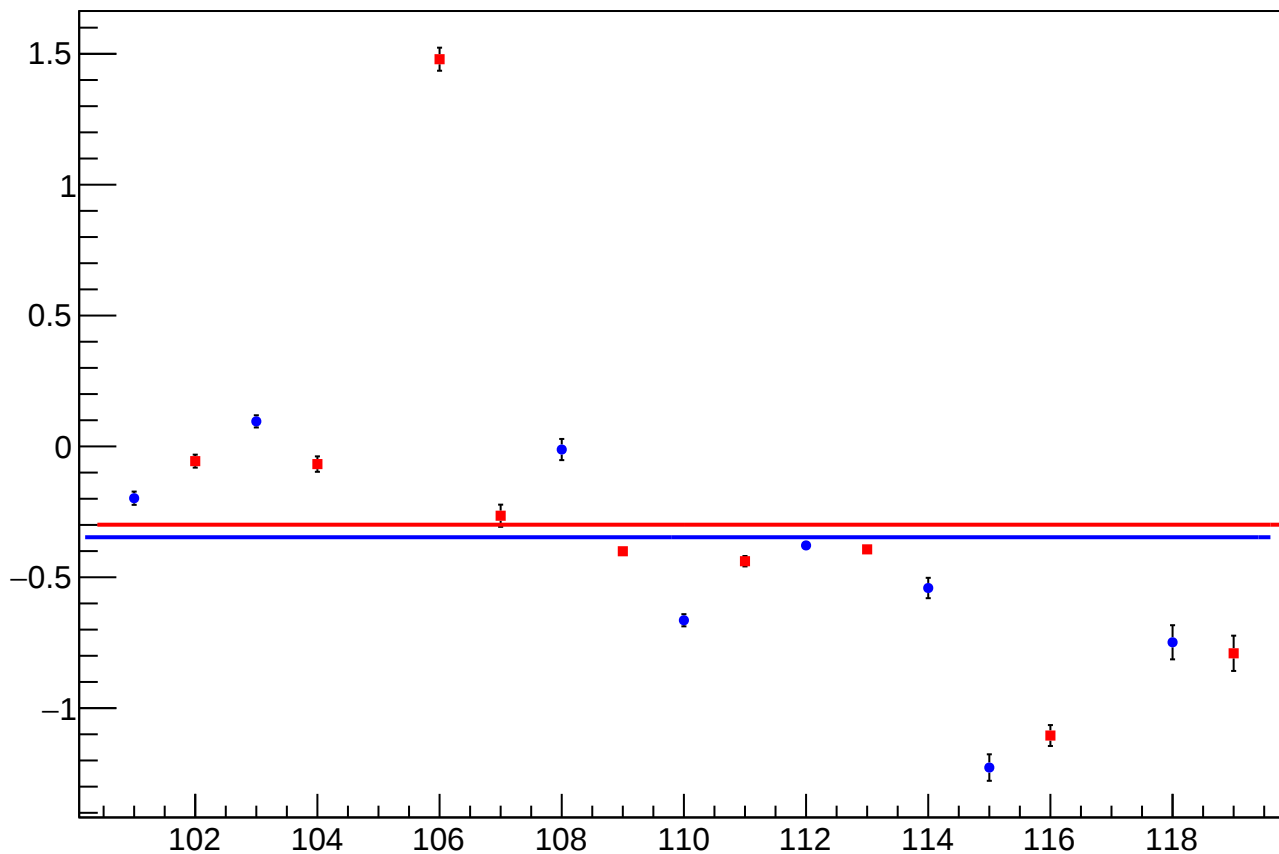
Right: -13.987 $\pm$ 0.116  $\chi^2$ /NDF: 1137.6/16

In: -12.883 $\pm$ 0.173  $\chi^2$ /NDF:541.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -13.987 $\pm$ 0.116  $\chi^2$ /NDF: 1137.6/16

reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.347 \pm 0.010$   $\chi^2/\text{NDF}$ : 1018.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.299 \pm 0.009$   $\chi^2/\text{NDF}$ : 2357.1/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

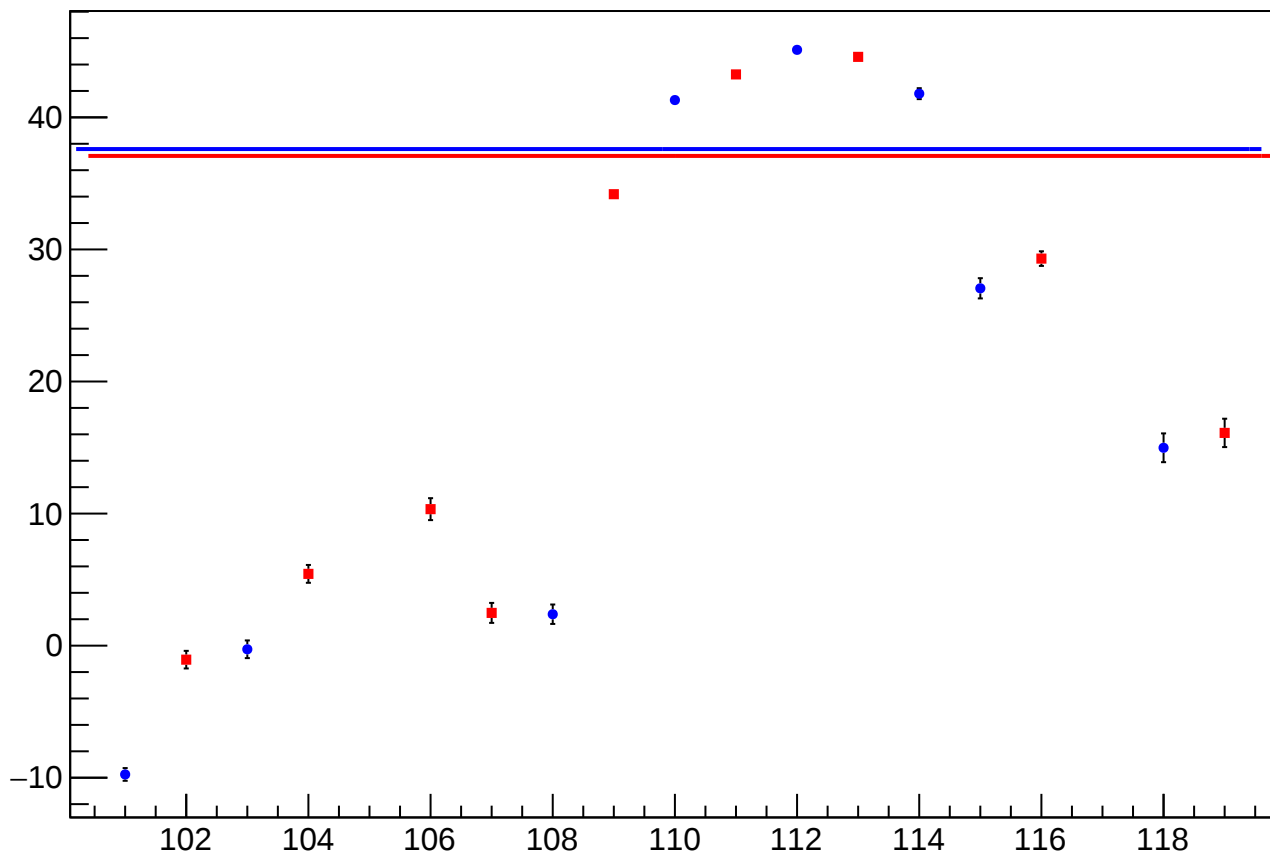
Right:  $-0.320 \pm 0.006$   $\chi^2/\text{NDF}$ : 3388.9/16

In:  $-0.347 \pm 0.010$   $\chi^2/\text{NDF}$ : 1018.3/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.320 \pm 0.006$   $\chi^2/\text{NDF}$ : 3388.9/16

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 37.601+/-0.114  $\chi^2/\text{NDF}$ : 18284.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 37.081+/-0.091  $\chi^2/\text{NDF}$ : 12498.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

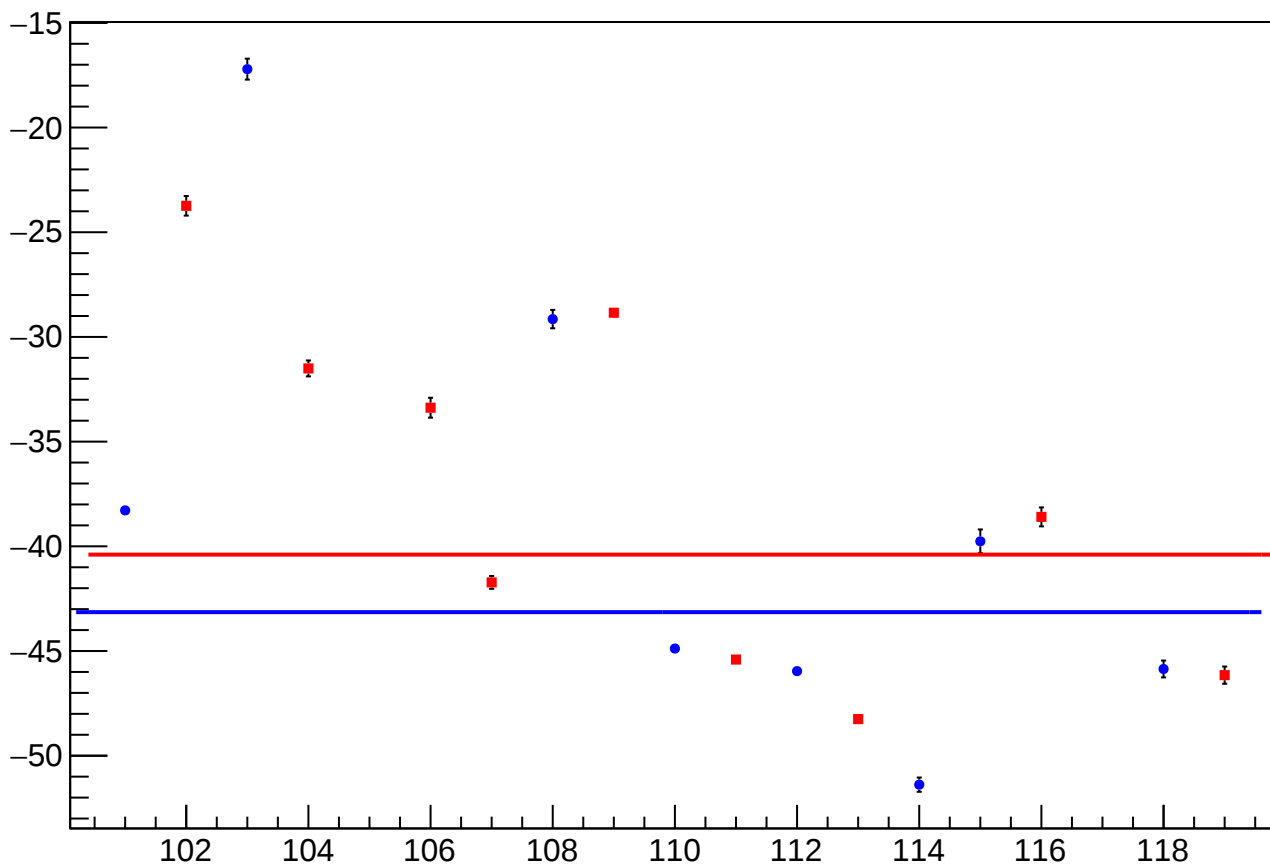
Right: 37.285+/-0.071  $\chi^2/\text{NDF}$ : 30796.1/16

In: 37.601+/-0.114  $\chi^2/\text{NDF}$ : 18284.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.285+/-0.071  $\chi^2/\text{NDF}$ : 30796.1/16

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -43.143 $\pm$ 0.089  $\chi^2$ /NDF: 5272.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.396 $\pm$ 0.081  $\chi^2$ /NDF: 10269.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

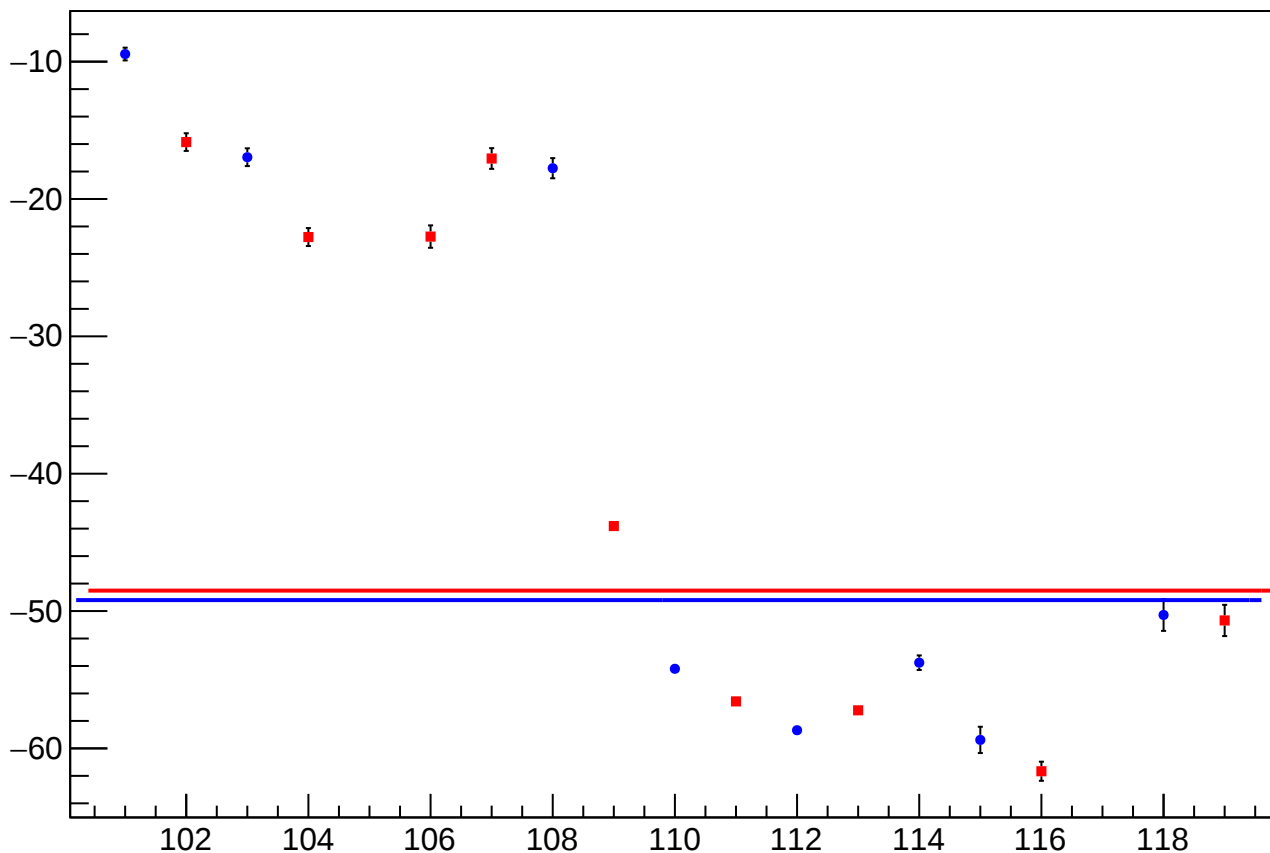
Right: -41.626 $\pm$ 0.060  $\chi^2$ /NDF: 16063.4/16

In: -43.143 $\pm$ 0.089  $\chi^2$ /NDF:5272.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -41.626 $\pm$ 0.060  $\chi^2$ /NDF: 16063.4/16

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.204+/-0.138  $\chi^2/\text{NDF}$ : 14260.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -48.512+/-0.114  $\chi^2/\text{NDF}$ : 10549.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

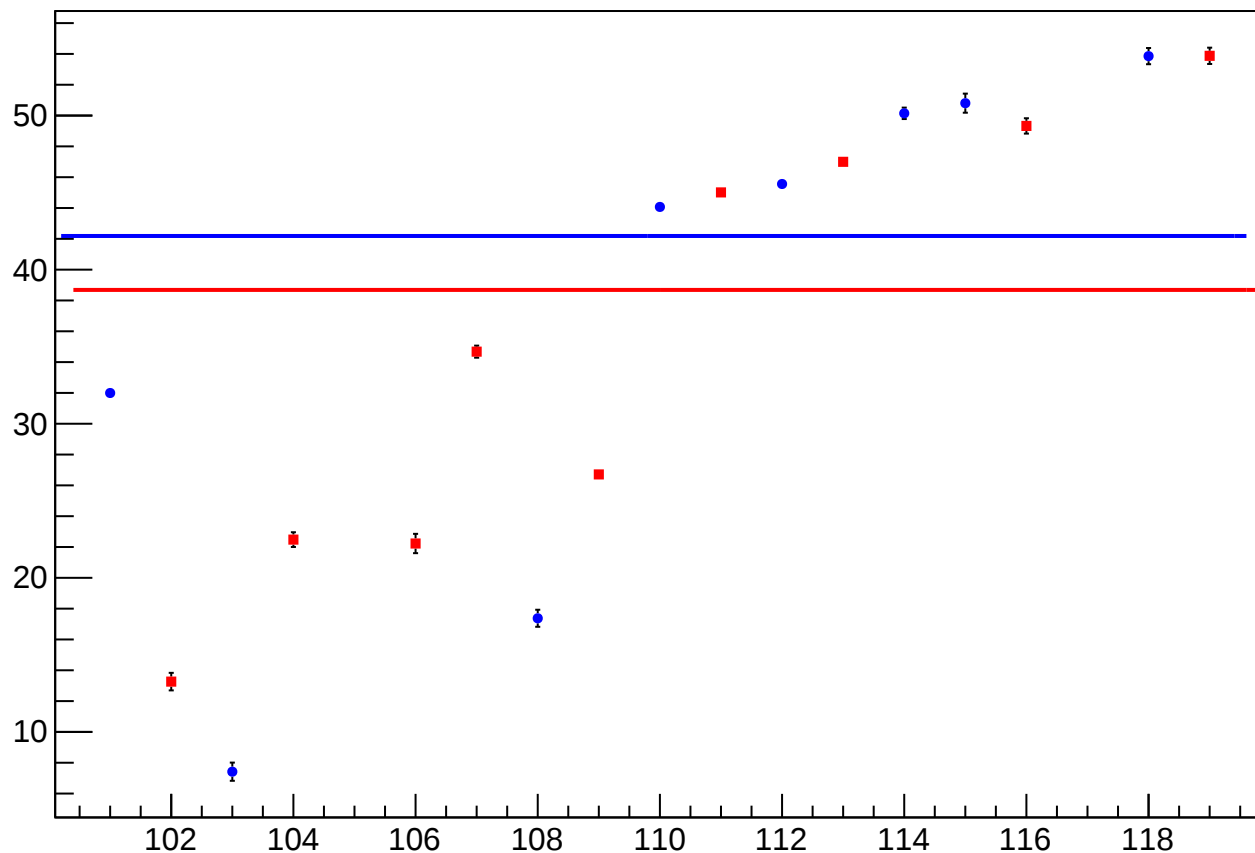
Right: -48.793+/-0.088  $\chi^2/\text{NDF}$ : 24825.1/16

In: -49.204+/-0.138  $\chi^2/\text{NDF}$ : 14260.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -48.793+/-0.088  $\chi^2/\text{NDF}$ : 24825.1/16

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 42.185+/-0.101  $\chi^2/\text{NDF}$ : 8439.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 38.684+/-0.089  $\chi^2/\text{NDF}$ : 13503.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

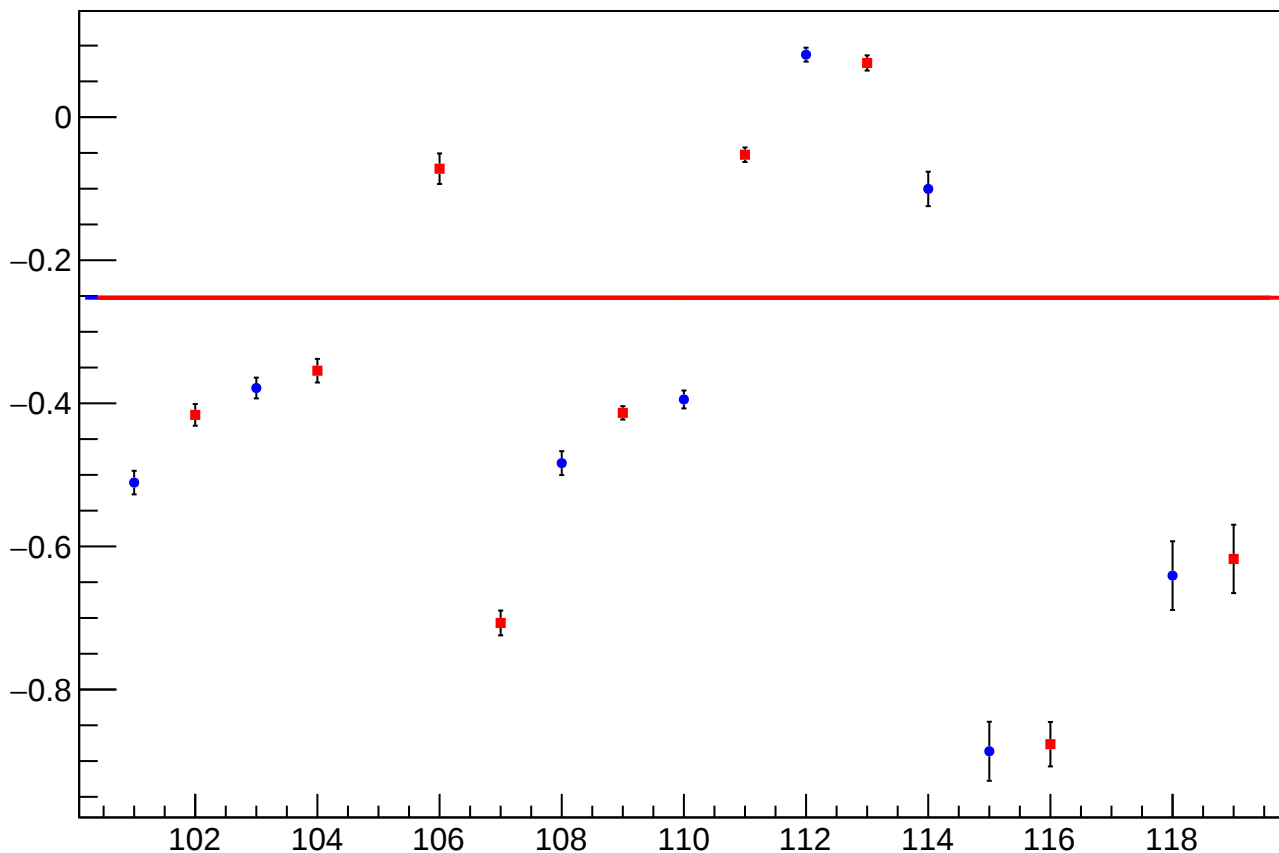
Right: 40.224+/-0.067  $\chi^2/\text{NDF}$ : 22620.7/16

In: 42.185+/-0.101  $\chi^2/\text{NDF}$ :8439.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 40.224+/-0.067  $\chi^2/\text{NDF}$ : 22620.7/16

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.252+/-0.006  $\chi^2/\text{NDF}$ : 2197.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.252+/-0.005  $\chi^2/\text{NDF}$ : 3005.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

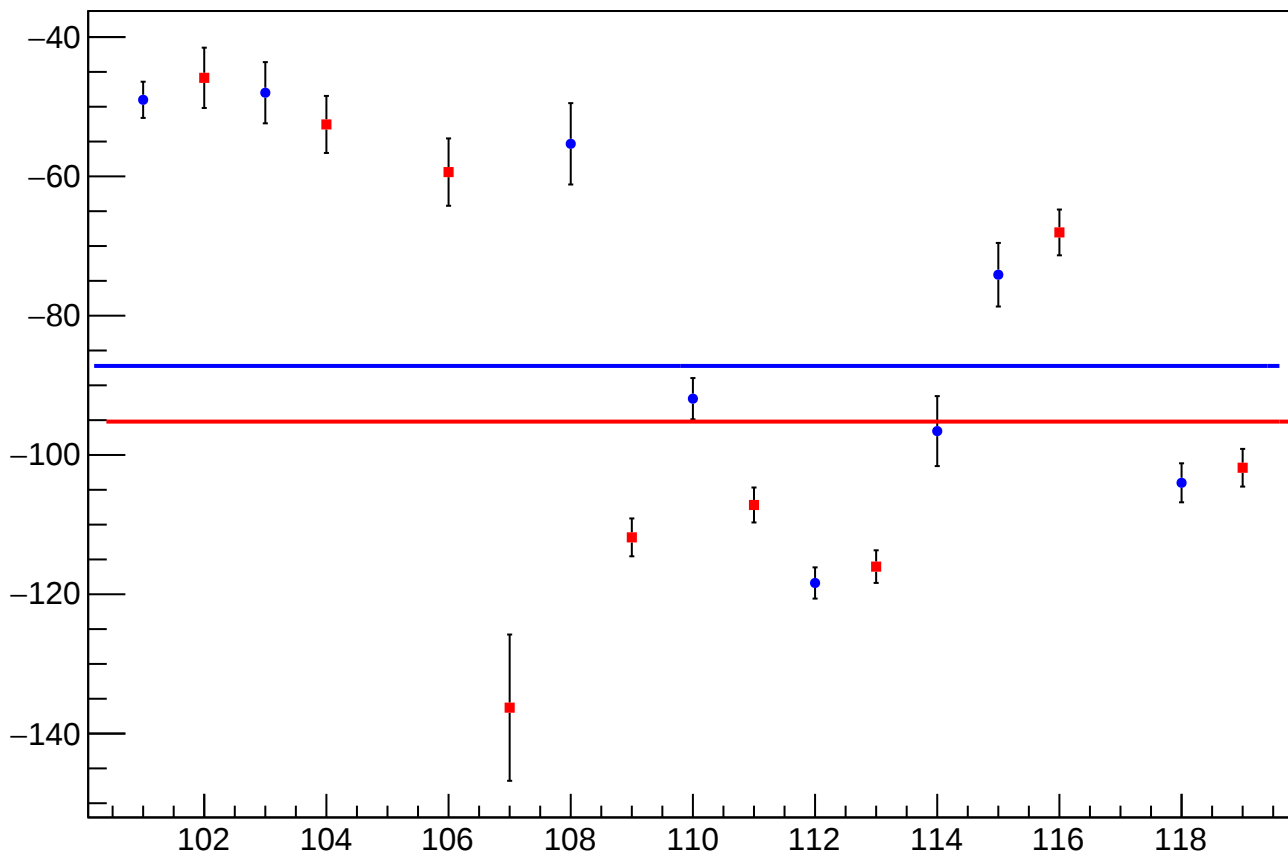
Right: -0.252+/-0.004  $\chi^2/\text{NDF}$ : 5203.2/16

In: -0.252+/-0.006  $\chi^2/\text{NDF}$ : 2197.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.252+/-0.004  $\chi^2/\text{NDF}$ : 5203.2/16

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -87.215+/-1.149  $\chi^2/\text{NDF}$ : 569.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -95.209+/-1.072  $\chi^2/\text{NDF}$ : 522.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

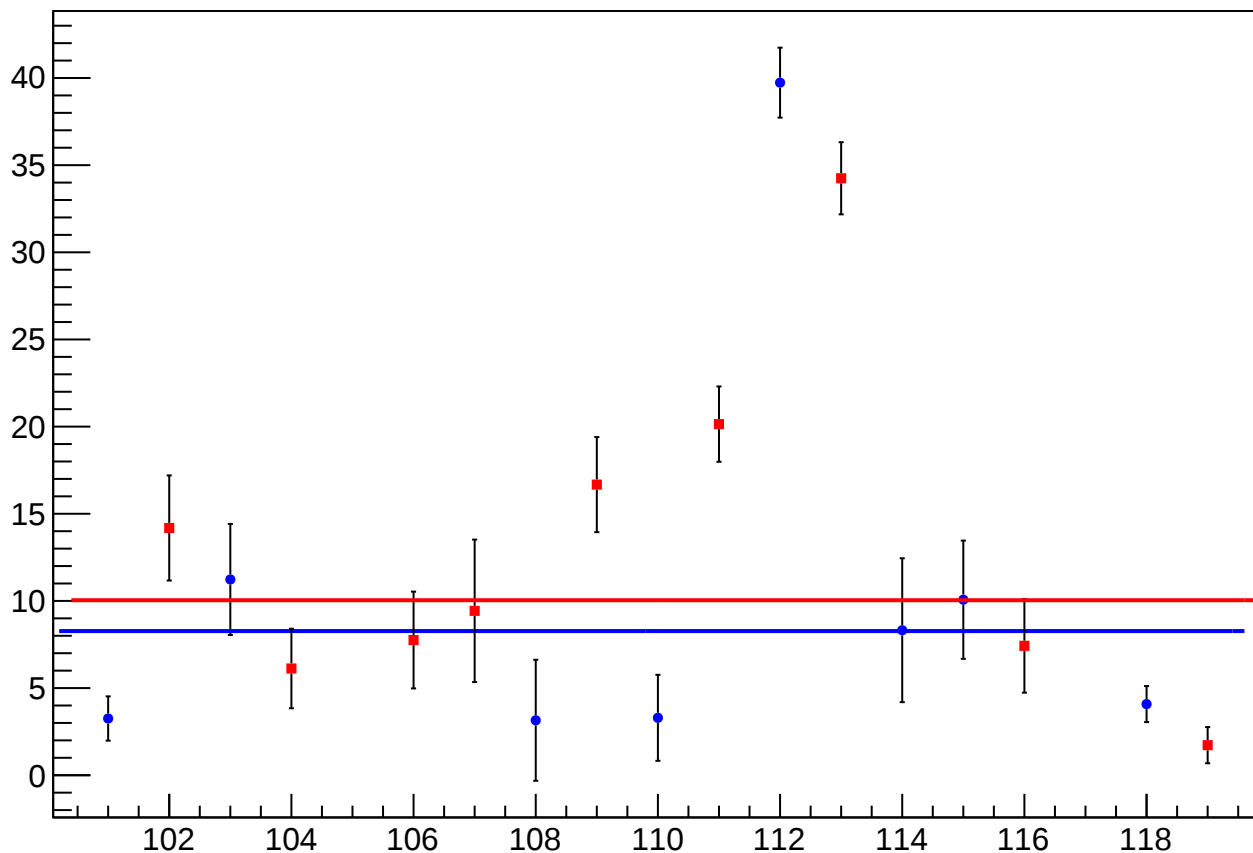
Right: -91.490+/-0.784  $\chi^2/\text{NDF}$ : 1117.0/16

In: -87.215+/-1.149  $\chi^2/\text{NDF}$ : 569.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -91.490+/-0.784  $\chi^2/\text{NDF}$ : 1117.0/16

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.271+/-0.660  $\chi^2/\text{NDF}$ : 285.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.040+/-0.683  $\chi^2/\text{NDF}$ : 235.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

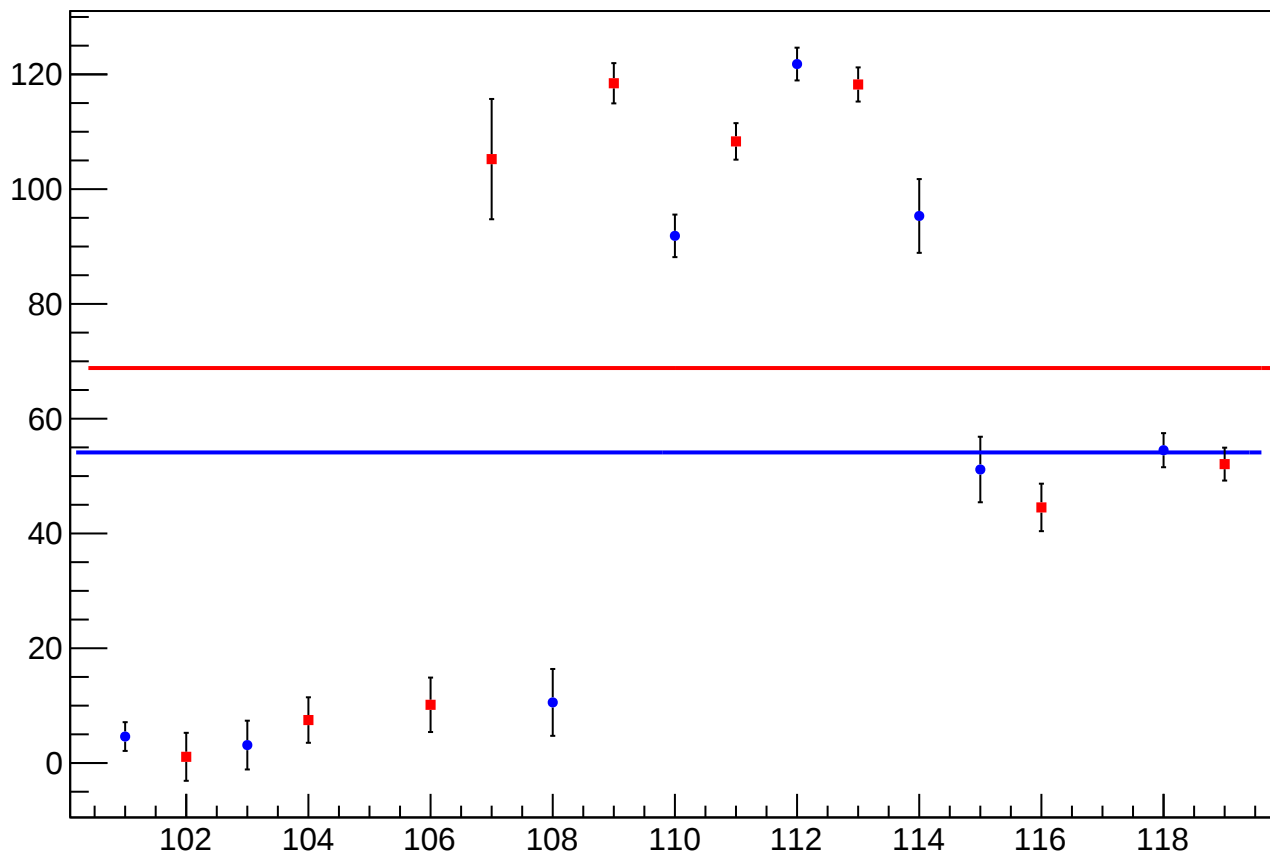
Right: 9.125+/-0.475  $\chi^2/\text{NDF}$ : 524.1/16

In: 8.271+/-0.660  $\chi^2/\text{NDF}$ : 285.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.125+/-0.475  $\chi^2/\text{NDF}$ : 524.1/16

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.120+/-1.283  $\chi^2/\text{NDF}$ : 1297.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 68.827+/-1.243  $\chi^2/\text{NDF}$ : 1365.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

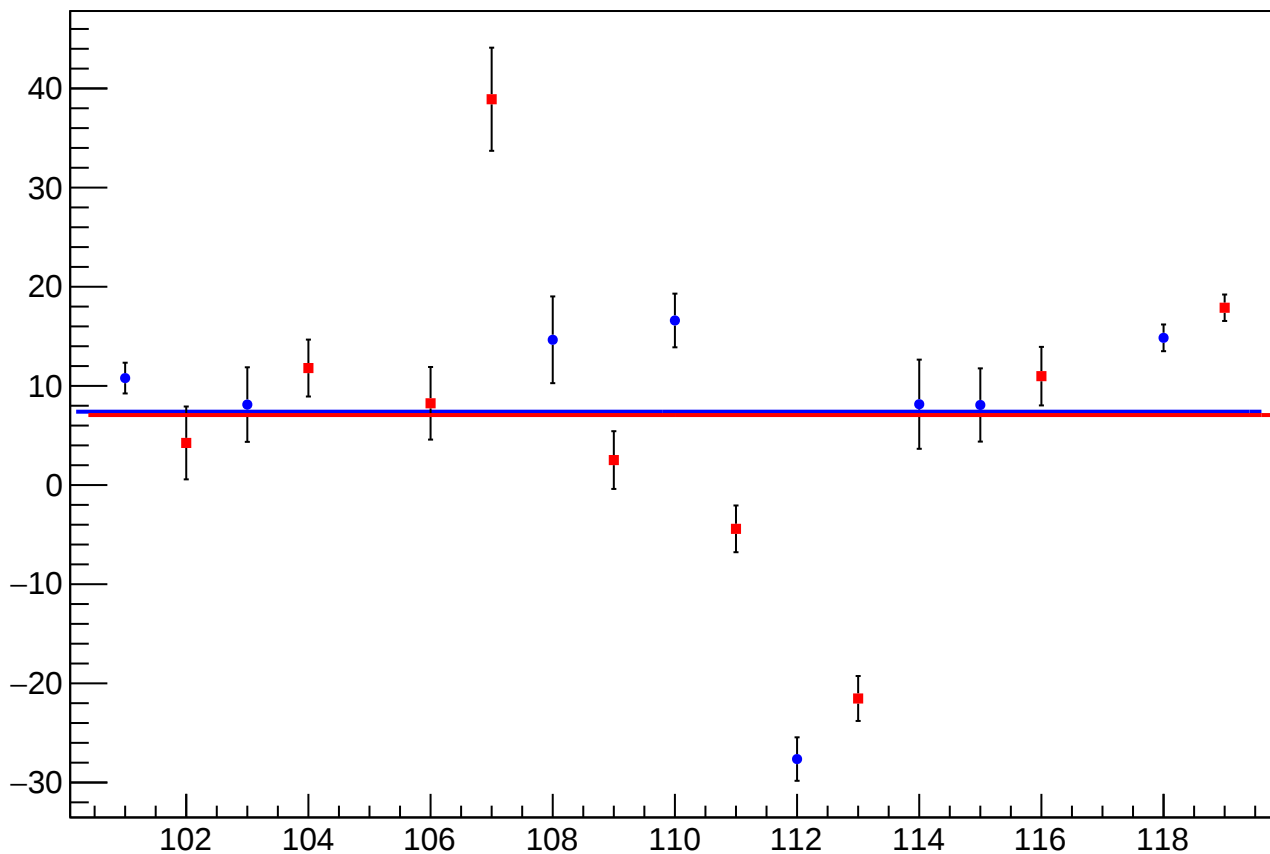
Right: 61.705+/-0.893  $\chi^2/\text{NDF}$ : 2731.0/16

In: 54.120+/-1.283  $\chi^2/\text{NDF}$ : 1297.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 61.705+/-0.893  $\chi^2/\text{NDF}$ : 2731.0/16

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 7.399+/-0.801  $\chi^2/\text{NDF}$ : 305.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 7.060+/-0.823  $\chi^2/\text{NDF}$ : 293.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

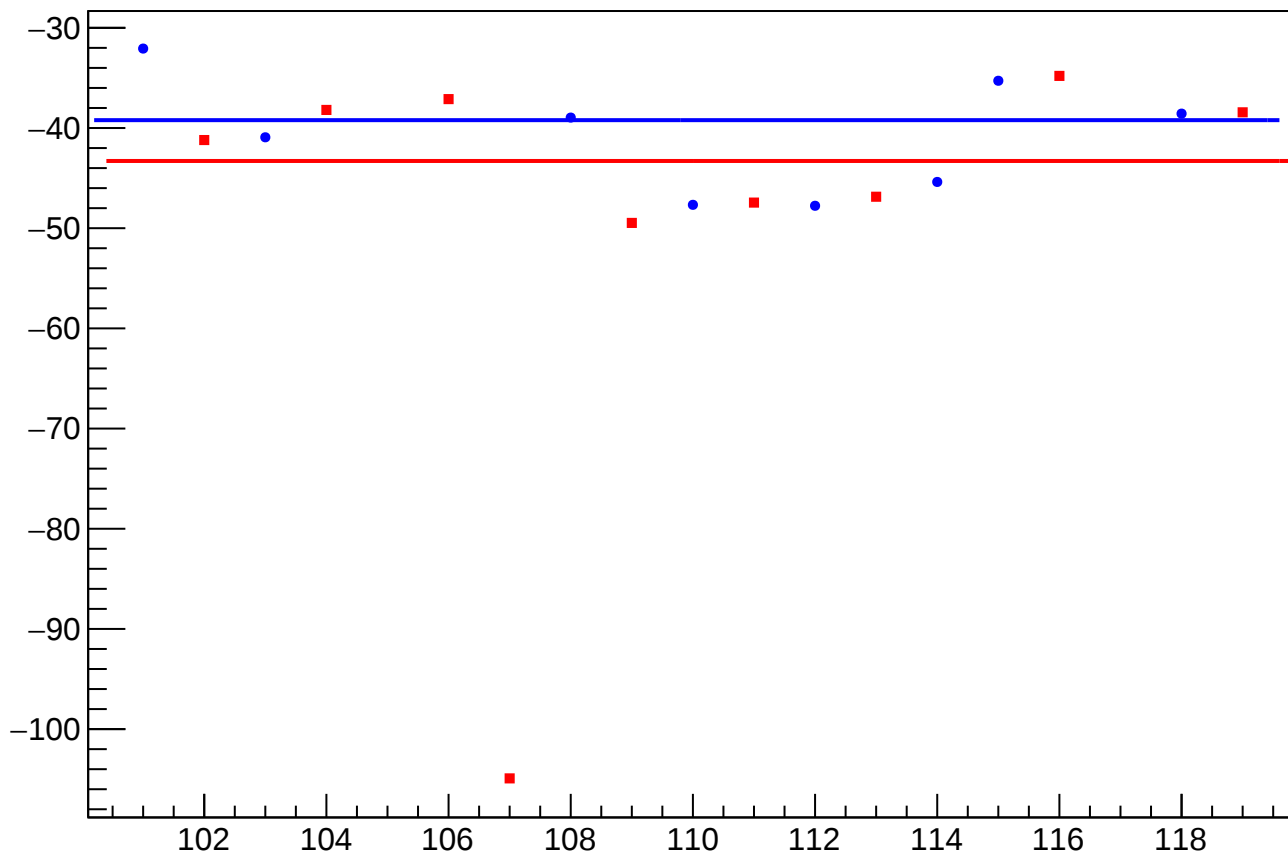
Right: 7.234+/-0.574  $\chi^2/\text{NDF}$ : 598.9/16

In: 7.399+/-0.801  $\chi^2/\text{NDF}$ :305.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 7.234+/-0.574  $\chi^2/\text{NDF}$ : 598.9/16

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -39.215 $\pm$ 0.046  $\chi^2$ /NDF: 13668.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -43.289 $\pm$ 0.044  $\chi^2$ /NDF: 77799.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

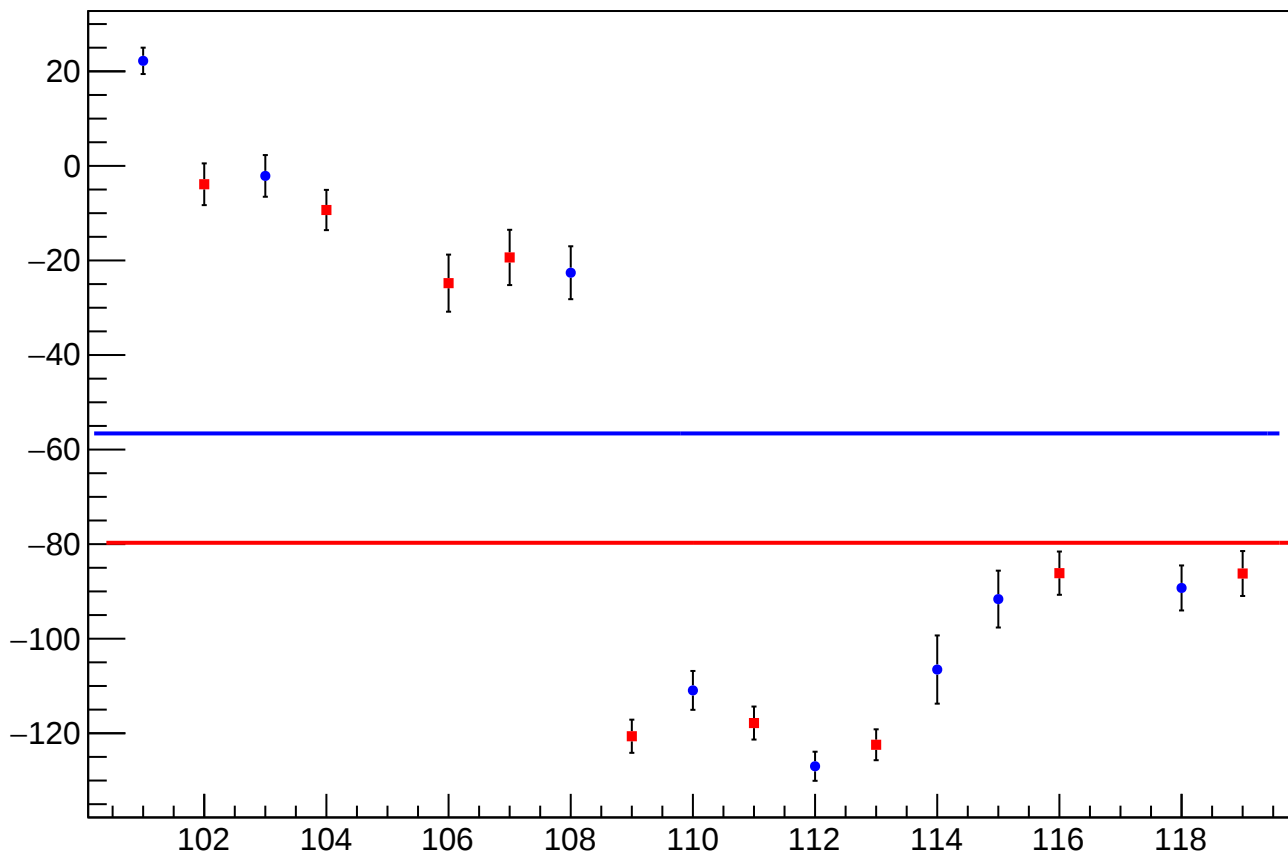
Right: -41.362 $\pm$ 0.032  $\chi^2$ /NDF: 95590.4/16

In: -39.215 $\pm$ 0.046  $\chi^2$ /NDF:13668.8/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -41.362 $\pm$ 0.032  $\chi^2$ /NDF: 95590.4/16

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -56.586+/-1.462  $\chi^2/\text{NDF}$ : 1816.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -79.715+/-1.397  $\chi^2/\text{NDF}$ : 1187.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

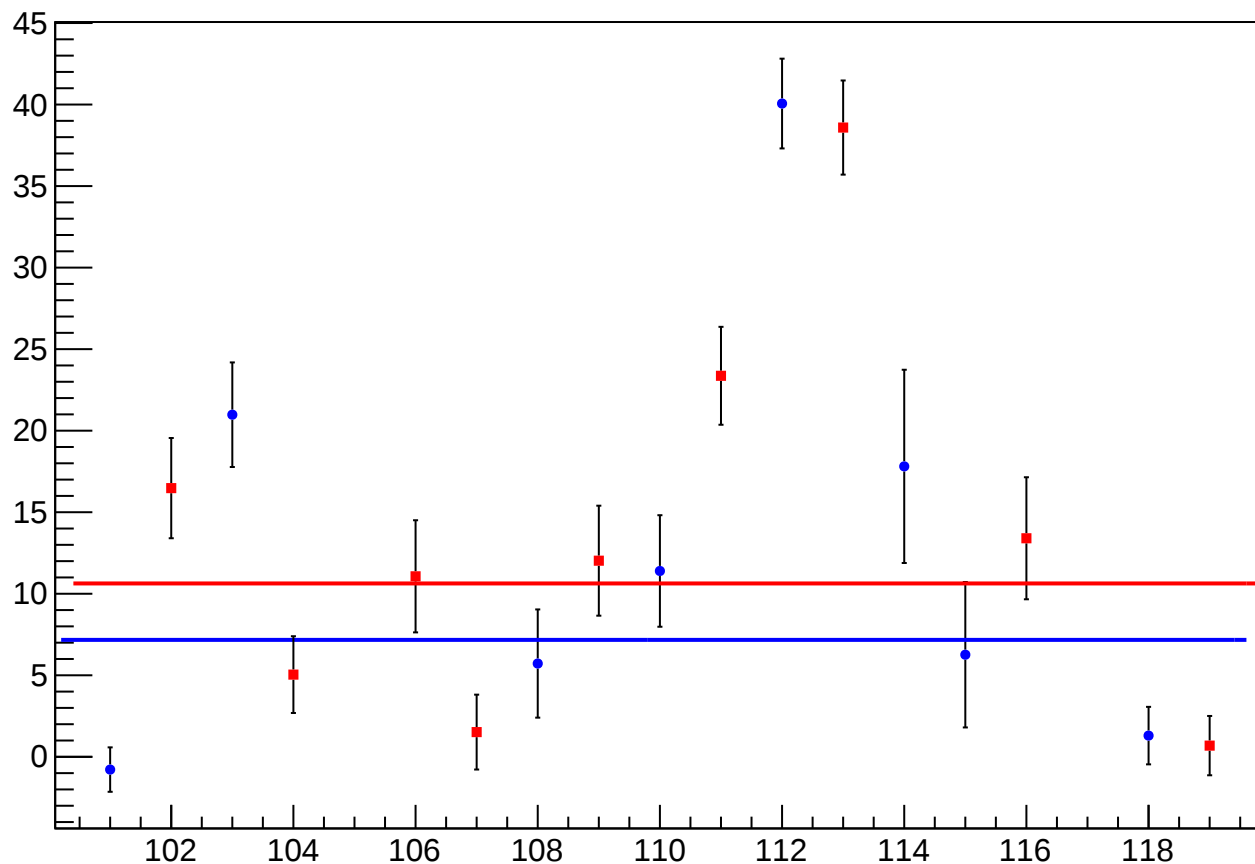
Right: -68.672+/-1.010  $\chi^2/\text{NDF}$ : 3135.0/16

In: -56.586+/-1.462  $\chi^2/\text{NDF}$ : 1816.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -68.672+/-1.010  $\chi^2/\text{NDF}$ : 3135.0/16

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.172+/-0.862  $\chi^2/\text{NDF}$ : 211.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.632+/-0.893  $\chi^2/\text{NDF}$ : 167.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

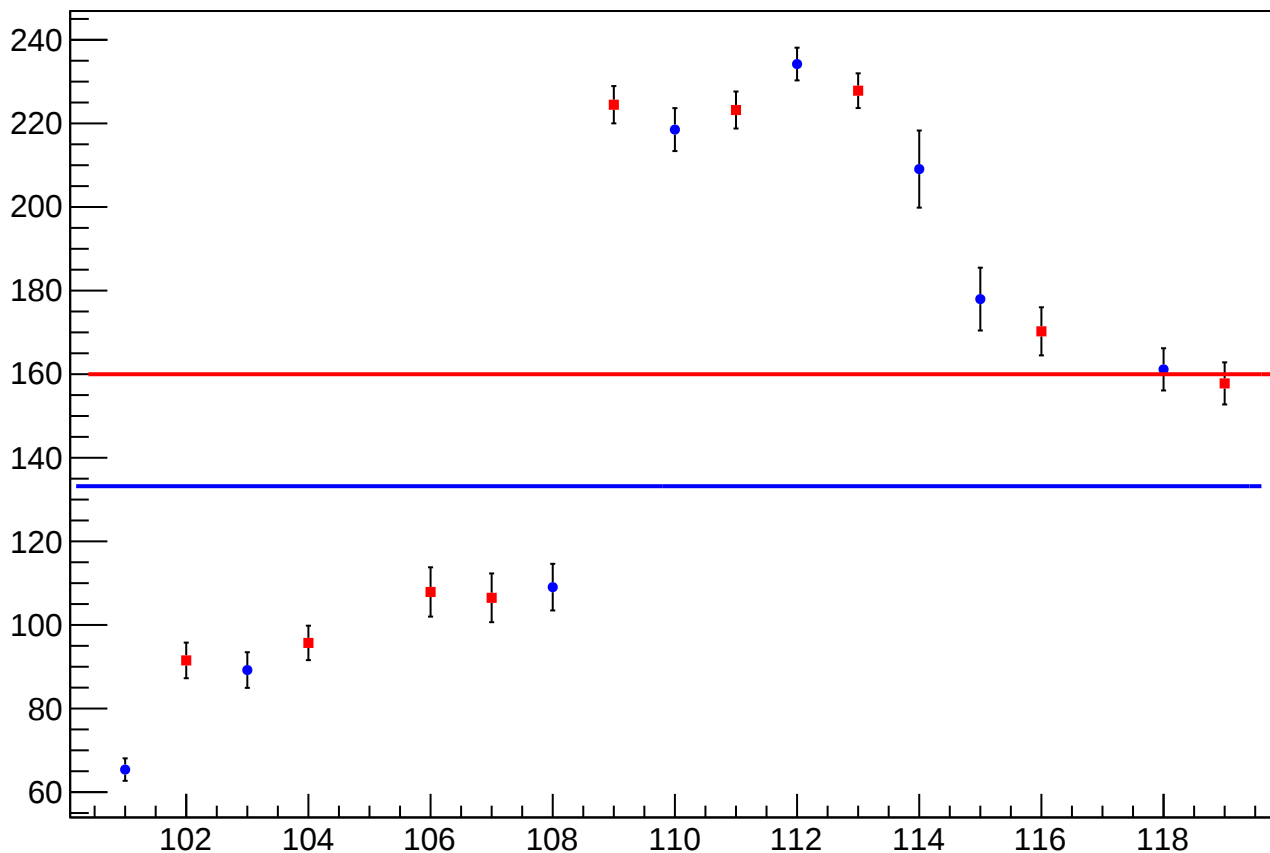
Right: 8.841+/-0.620  $\chi^2/\text{NDF}$ : 386.8/16

In: 7.172+/-0.862  $\chi^2/\text{NDF}$ : 211.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.841+/-0.620  $\chi^2/\text{NDF}$ : 386.8/16

reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 133.199+/-1.586  $\chi^2/\text{NDF}$ : 1837.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 159.989+/-1.579  $\chi^2/\text{NDF}$ : 1346.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

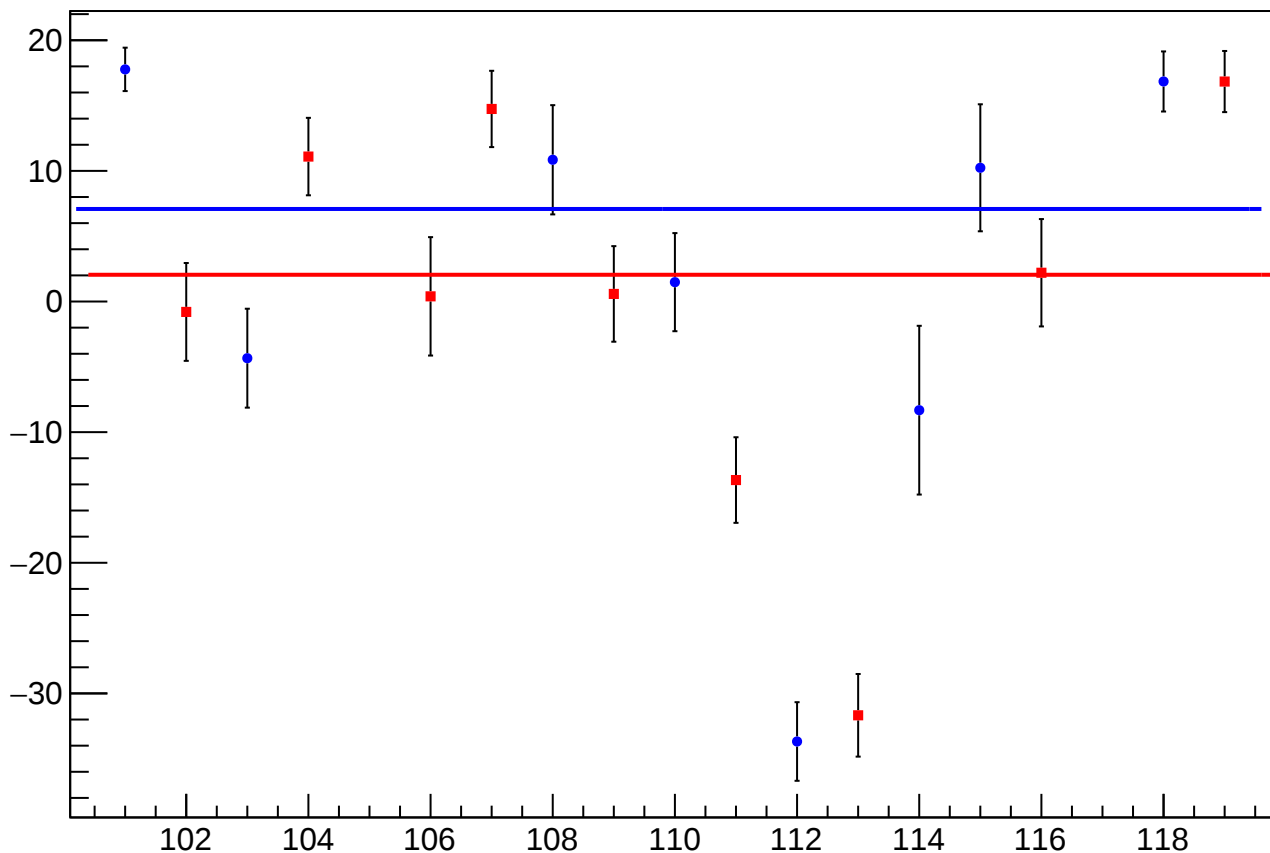
Right: 146.652+/-1.119  $\chi^2/\text{NDF}$ : 3326.9/16

In: 133.199+/-1.586  $\chi^2/\text{NDF}$ : 1837.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 146.652+/-1.119  $\chi^2/\text{NDF}$ : 3326.9/16

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 7.084+/-1.039  $\chi^2/\text{NDF}$ : 261.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.048+/-1.078  $\chi^2/\text{NDF}$ : 205.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

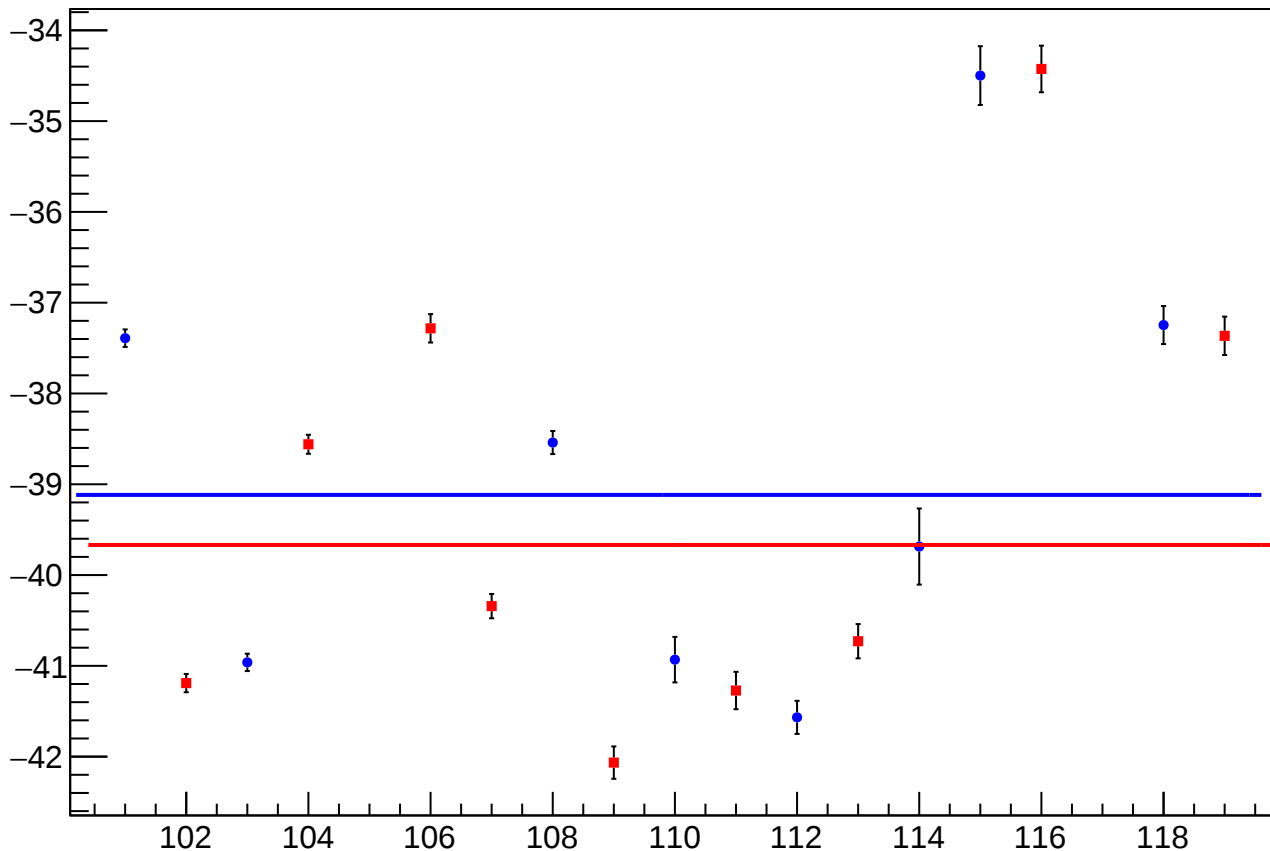
Right: 4.658+/-0.748  $\chi^2/\text{NDF}$ : 478.2/16

In: 7.084+/-1.039  $\chi^2/\text{NDF}$ : 261.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.658+/-0.748  $\chi^2/\text{NDF}$ : 478.2/16

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-39.117 \pm 0.053$   $\chi^2/\text{NDF}$ : 1230.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.669 \pm 0.050$   $\chi^2/\text{NDF}$ : 1407.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

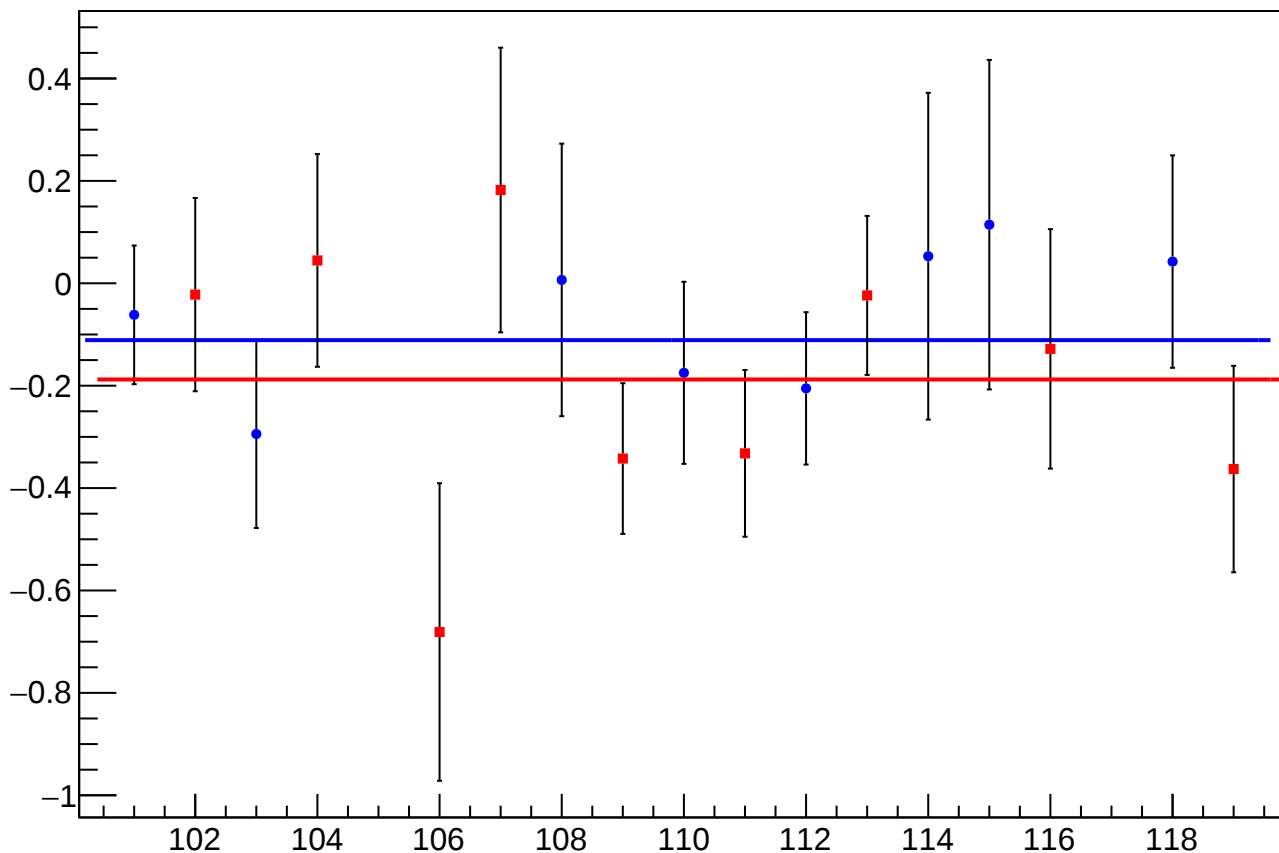
Right:  $-39.409 \pm 0.036$   $\chi^2/\text{NDF}$ : 2696.0/16

In:  $-39.117 \pm 0.053$   $\chi^2/\text{NDF}$ : 1230.2/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.409 \pm 0.036$   $\chi^2/\text{NDF}$ : 2696.0/16

reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.111+/-0.068  $\chi^2/\text{NDF}$ : 3.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.188+/-0.064  $\chi^2/\text{NDF}$ : 10.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

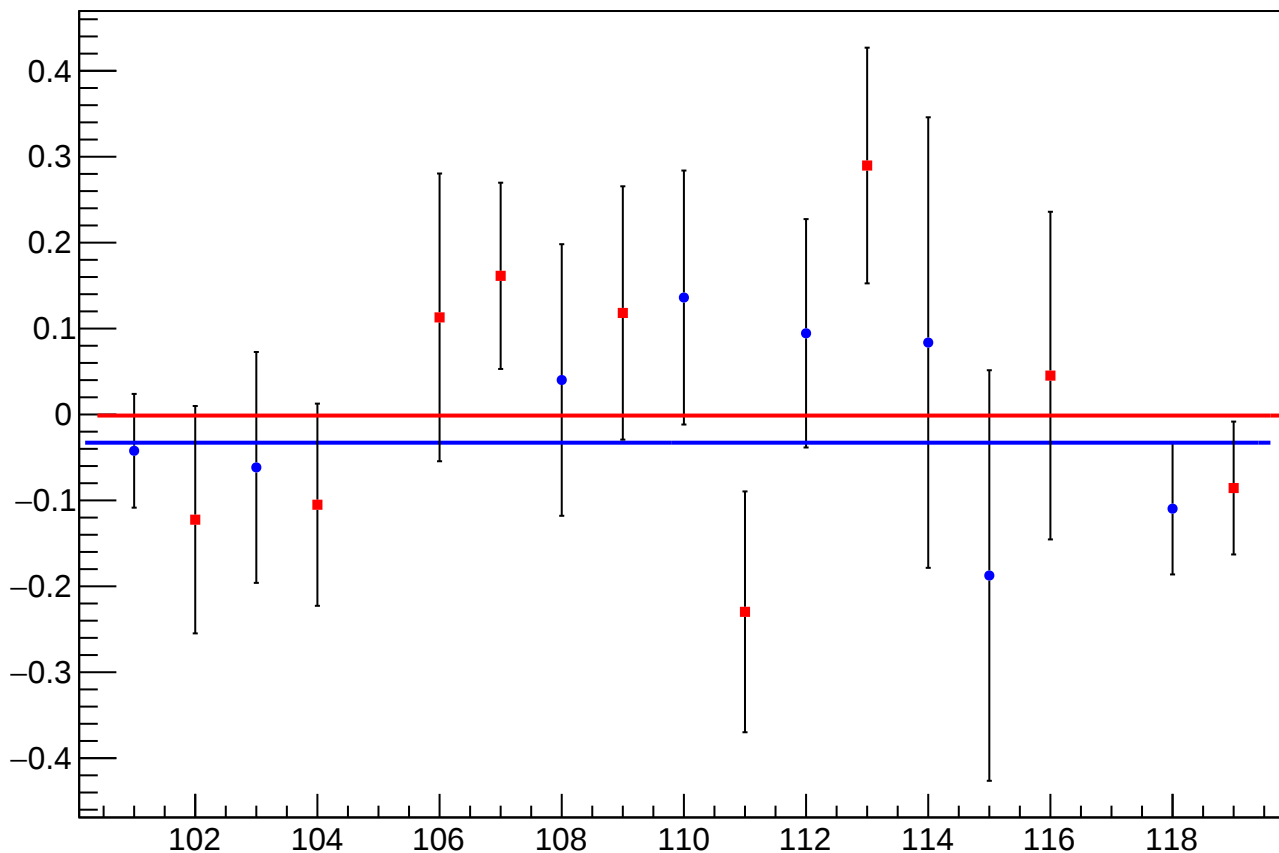
Right: -0.152+/-0.047  $\chi^2/\text{NDF}$ : 14.3/16

In: -0.111+/-0.068  $\chi^2/\text{NDF}$ :3.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.152+/-0.047  $\chi^2/\text{NDF}$ : 14.3/16

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.040  $\chi^2/\text{NDF}$ : 4.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.001+/-0.041  $\chi^2/\text{NDF}$ : 13.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

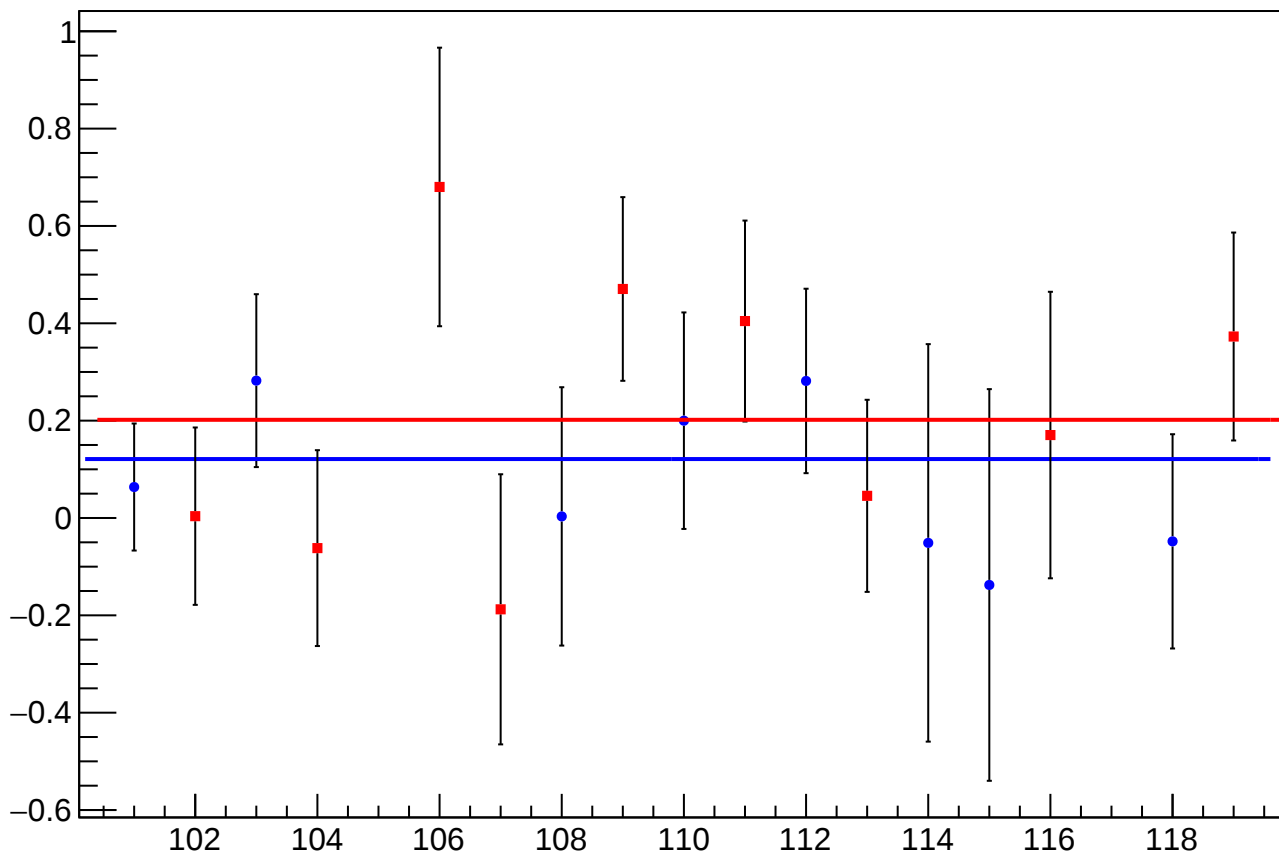
Right: -0.017+/-0.029  $\chi^2/\text{NDF}$ : 17.8/16

In: -0.033+/-0.040  $\chi^2/\text{NDF}$ :4.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.017+/-0.029  $\chi^2/\text{NDF}$ : 17.8/16

reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.121+/-0.073  $\chi^2/\text{NDF}$ : 3.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.202+/-0.072  $\chi^2/\text{NDF}$ : 11.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

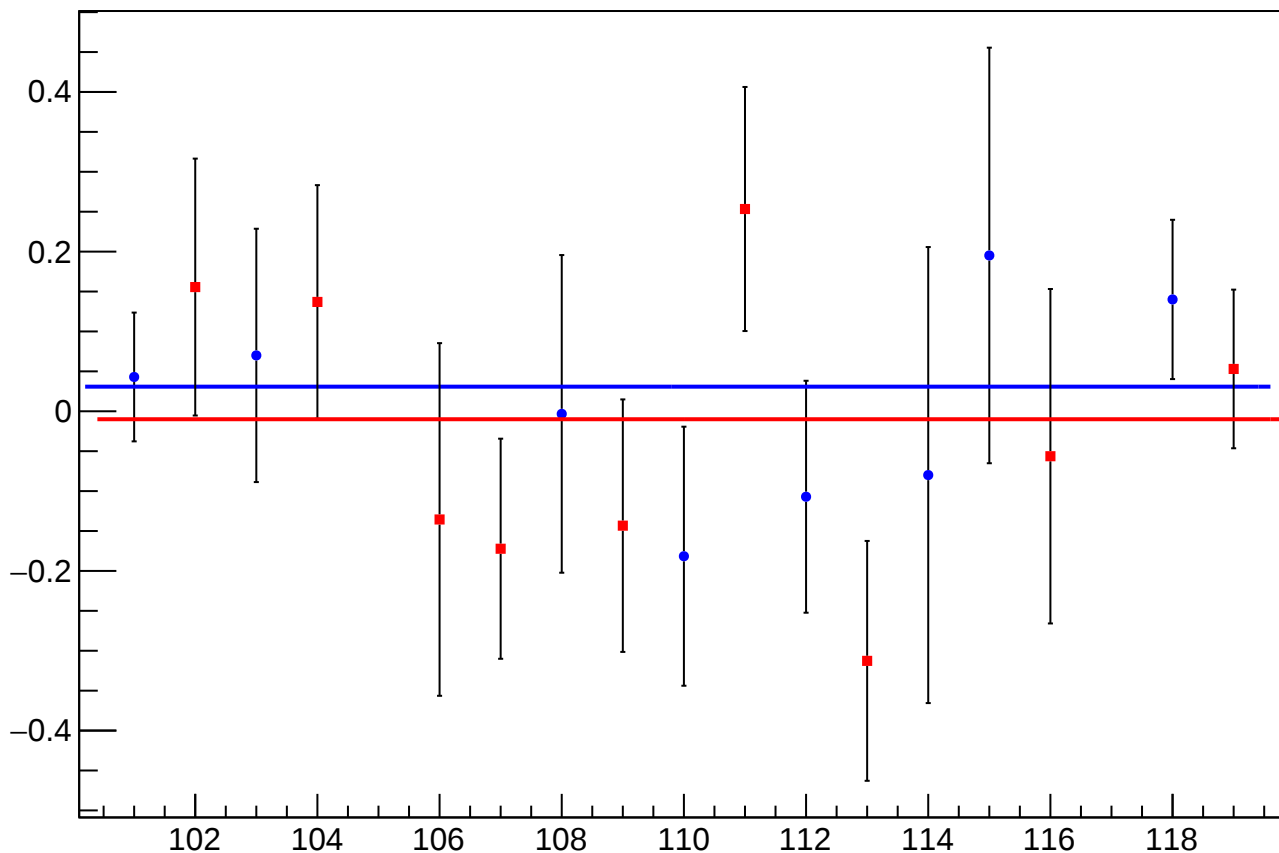
Right: 0.162+/-0.052  $\chi^2/\text{NDF}$ : 15.8/16

In: 0.121+/-0.073  $\chi^2/\text{NDF}$ : 3.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.162+/-0.052  $\chi^2/\text{NDF}$ : 15.8/16

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.031 $\pm$ 0.048  $\chi^2$ /NDF: 4.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.010 $\pm$ 0.049  $\chi^2$ /NDF: 12.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

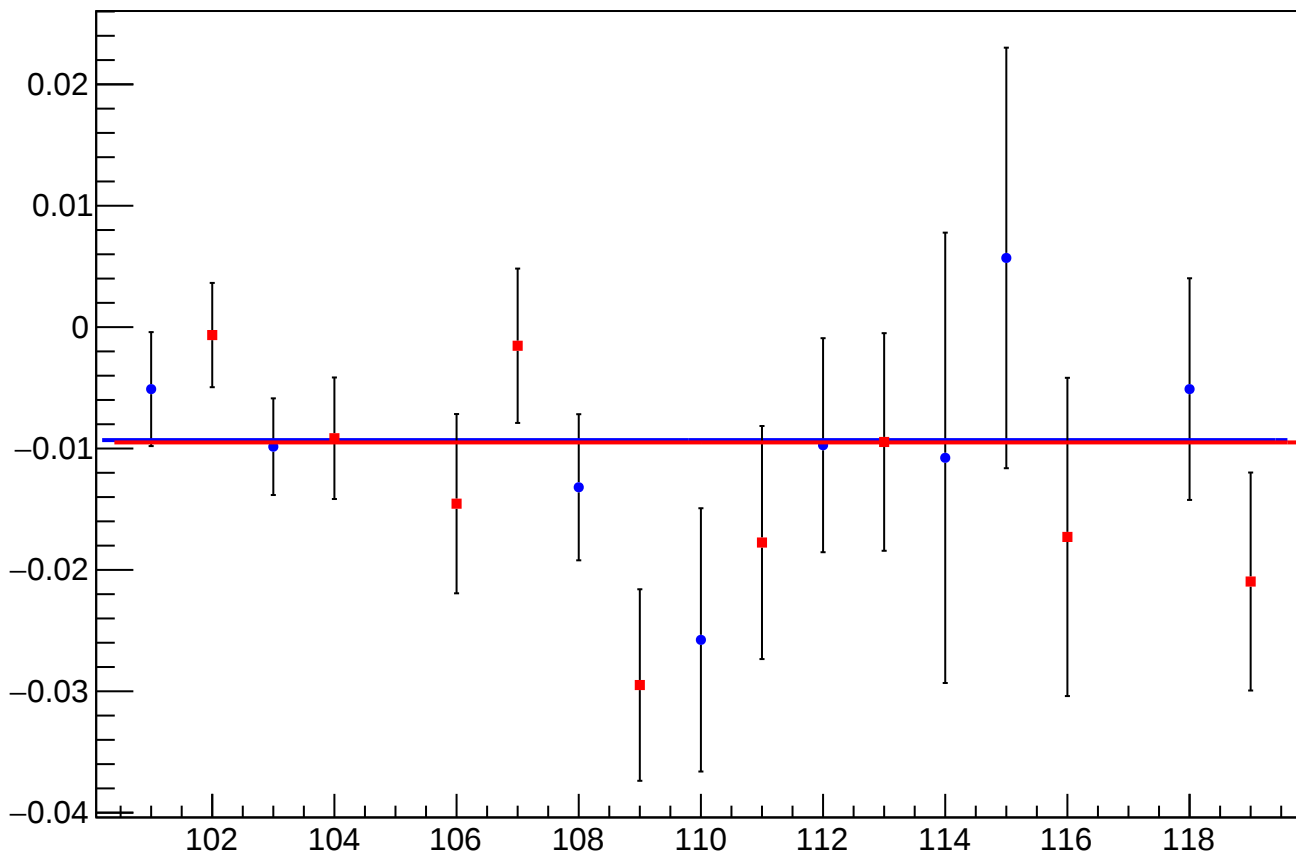
Right: 0.011 $\pm$ 0.034  $\chi^2$ /NDF: 16.8/16

In: 0.031 $\pm$ 0.048  $\chi^2$ /NDF:4.5/7

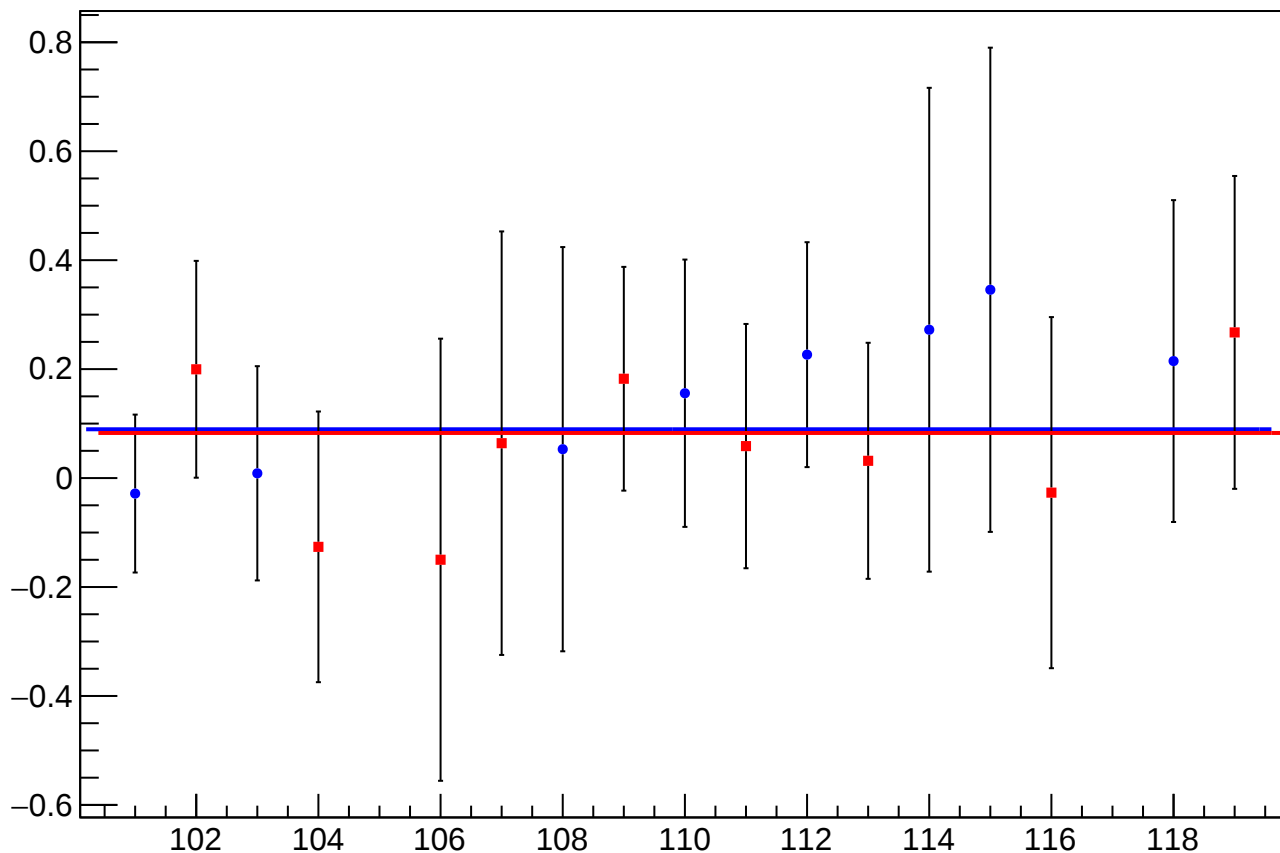
Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.011 $\pm$ 0.034  $\chi^2$ /NDF: 16.8/16

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.090+/-0.084  $\chi^2/\text{NDF}$ : 2.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.083+/-0.084  $\chi^2/\text{NDF}$ : 2.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

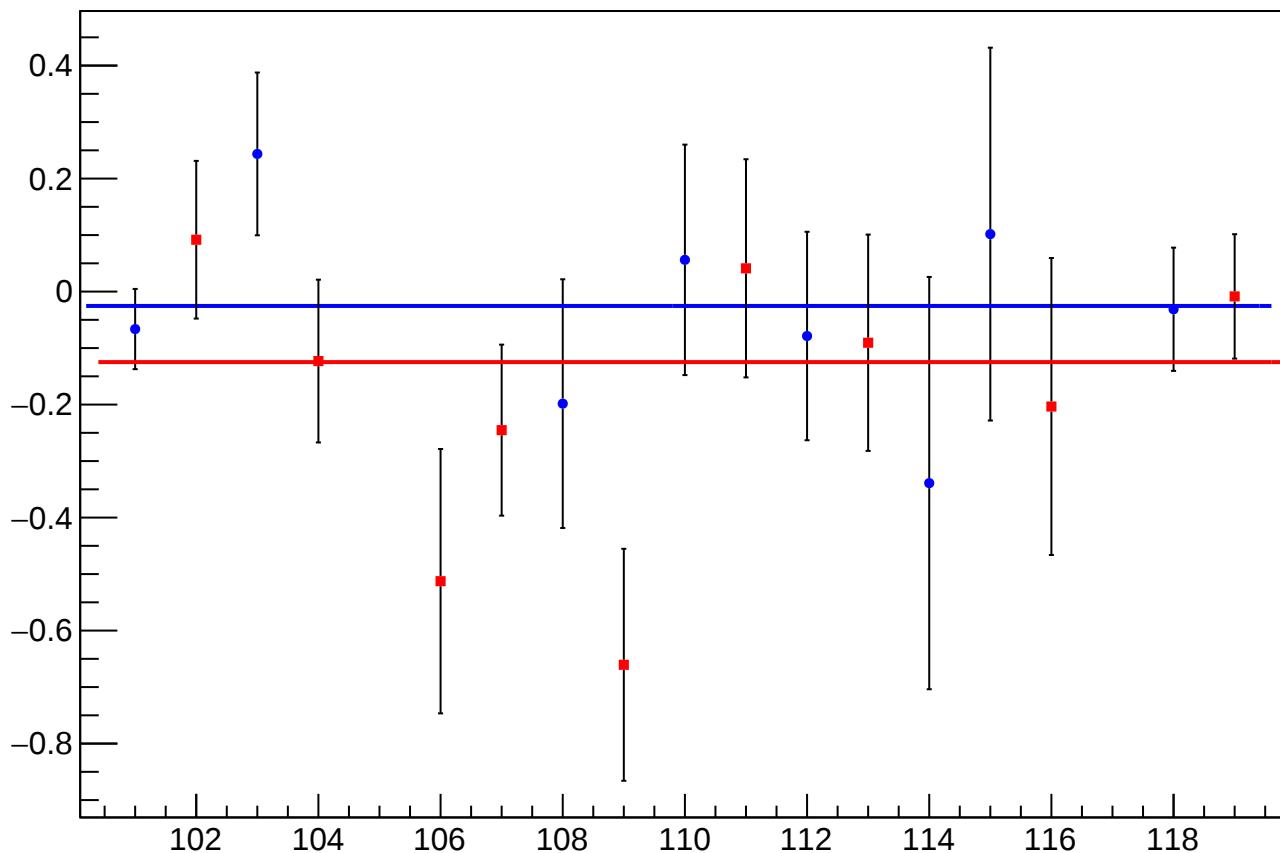
Right: 0.086+/-0.059  $\chi^2/\text{NDF}$ : 4.3/16

In: 0.090+/-0.084  $\chi^2/\text{NDF}$ : 2.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.086+/-0.059  $\chi^2/\text{NDF}$ : 4.3/16

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.025 \pm 0.049$   $\chi^2/\text{NDF}$ : 5.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.125 \pm 0.055$   $\chi^2/\text{NDF}$ : 14.6/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

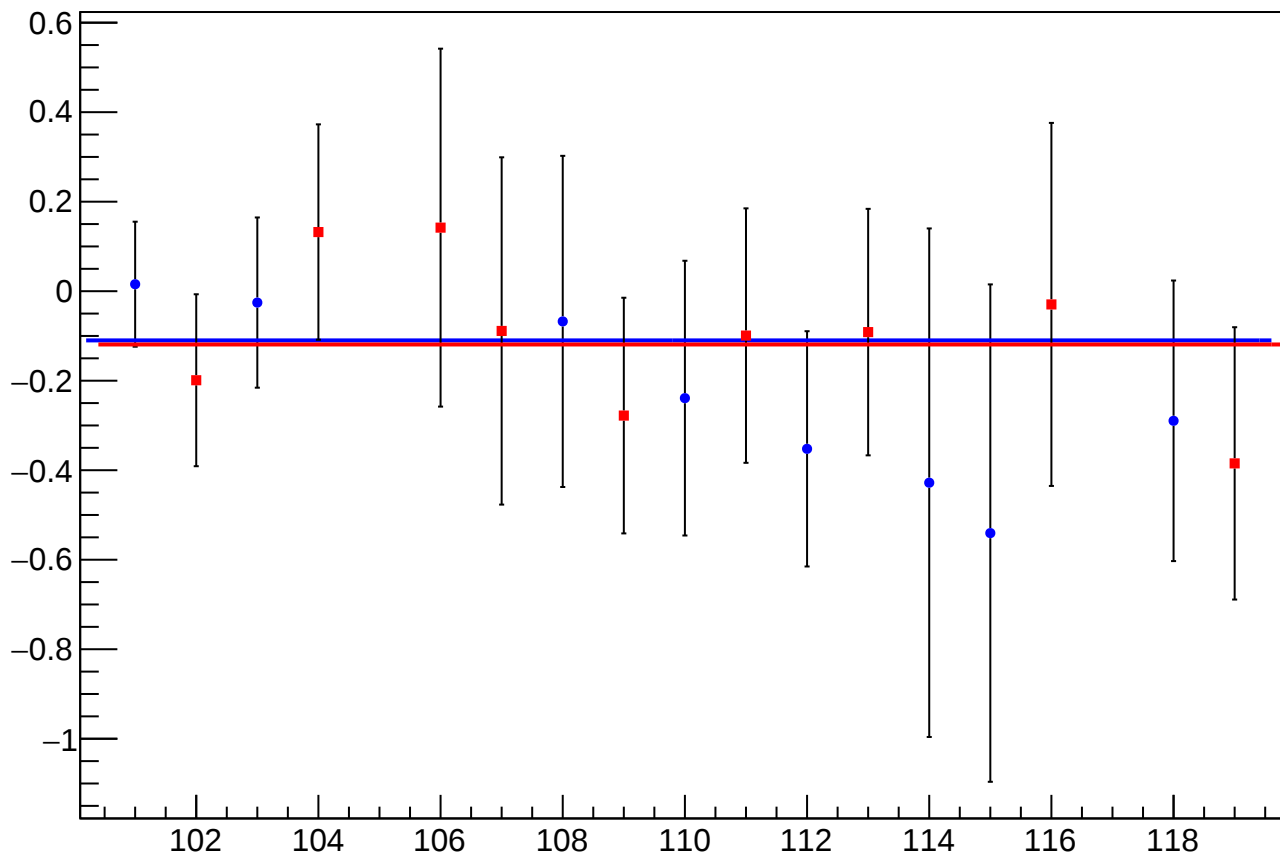
Right:  $-0.070 \pm 0.036$   $\chi^2/\text{NDF}$ : 22.0/16

In:  $-0.025 \pm 0.049$   $\chi^2/\text{NDF}$ : 5.6/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.070 \pm 0.036$   $\chi^2/\text{NDF}$ : 22.0/16

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-0.110 \pm 0.088$   $\chi^2/\text{NDF}$ : 3.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.119 \pm 0.094$   $\chi^2/\text{NDF}$ : 2.9/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

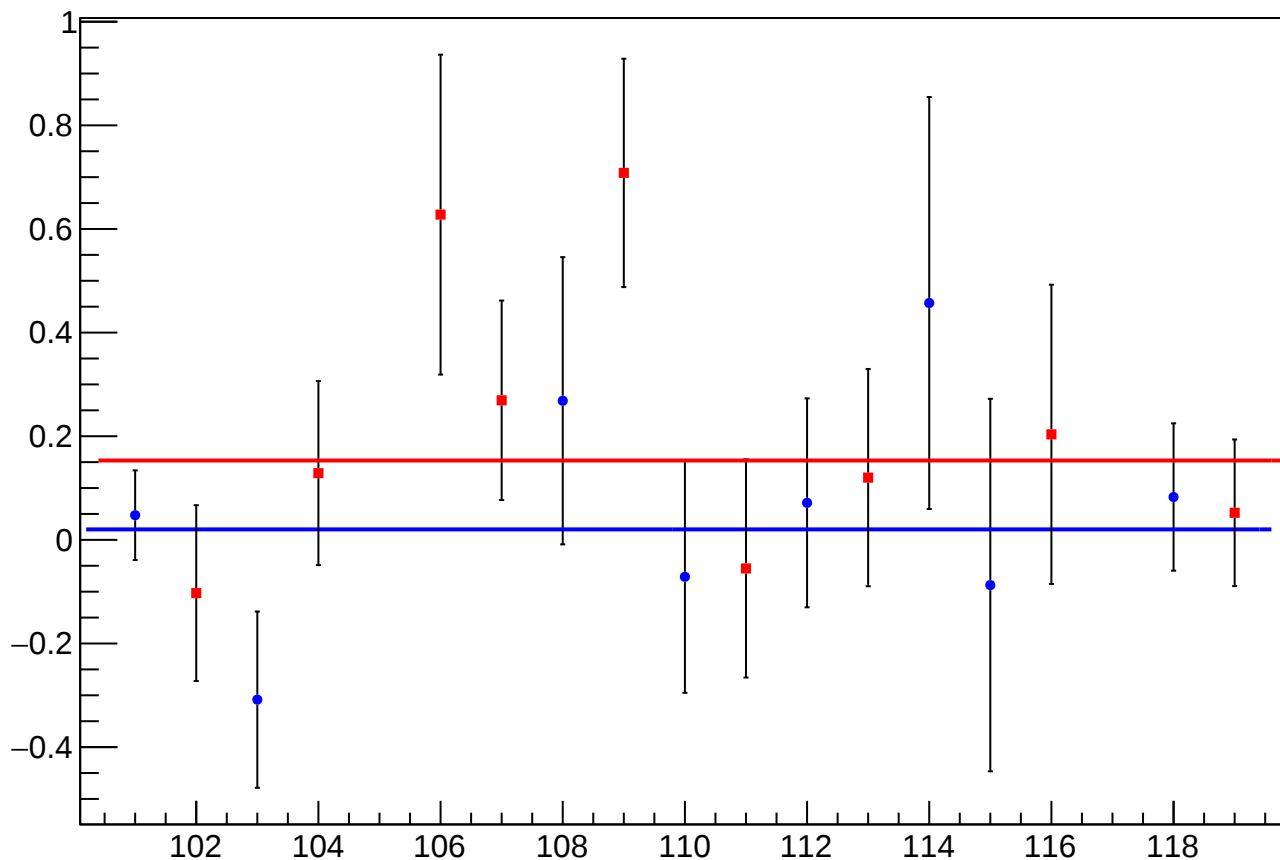
Right:  $-0.114 \pm 0.064$   $\chi^2/\text{NDF}$ : 6.2/16

In:  $-0.110 \pm 0.088$   $\chi^2/\text{NDF}$ : 3.3/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.114 \pm 0.064$   $\chi^2/\text{NDF}$ : 6.2/16

reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.020+/-0.059  $\chi^2/\text{NDF}$ : 6.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.153+/-0.066  $\chi^2/\text{NDF}$ : 12.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

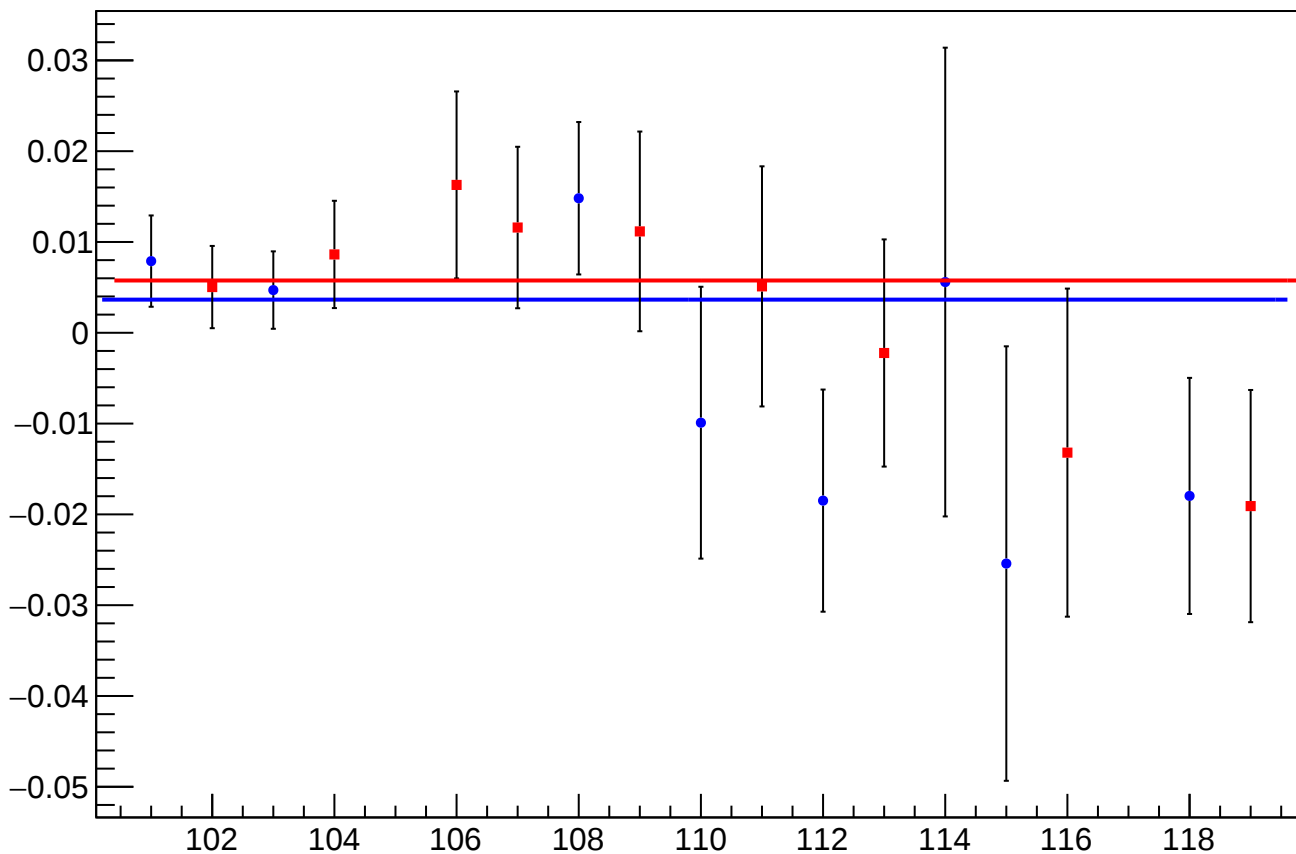
Right: 0.079+/-0.044  $\chi^2/\text{NDF}$ : 21.5/16

In: 0.020+/-0.059  $\chi^2/\text{NDF}$ : 6.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.079+/-0.044  $\chi^2/\text{NDF}$ : 21.5/16

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.003  $\chi^2/\text{NDF}$ : 10.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.006+/-0.003  $\chi^2/\text{NDF}$ : 7.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

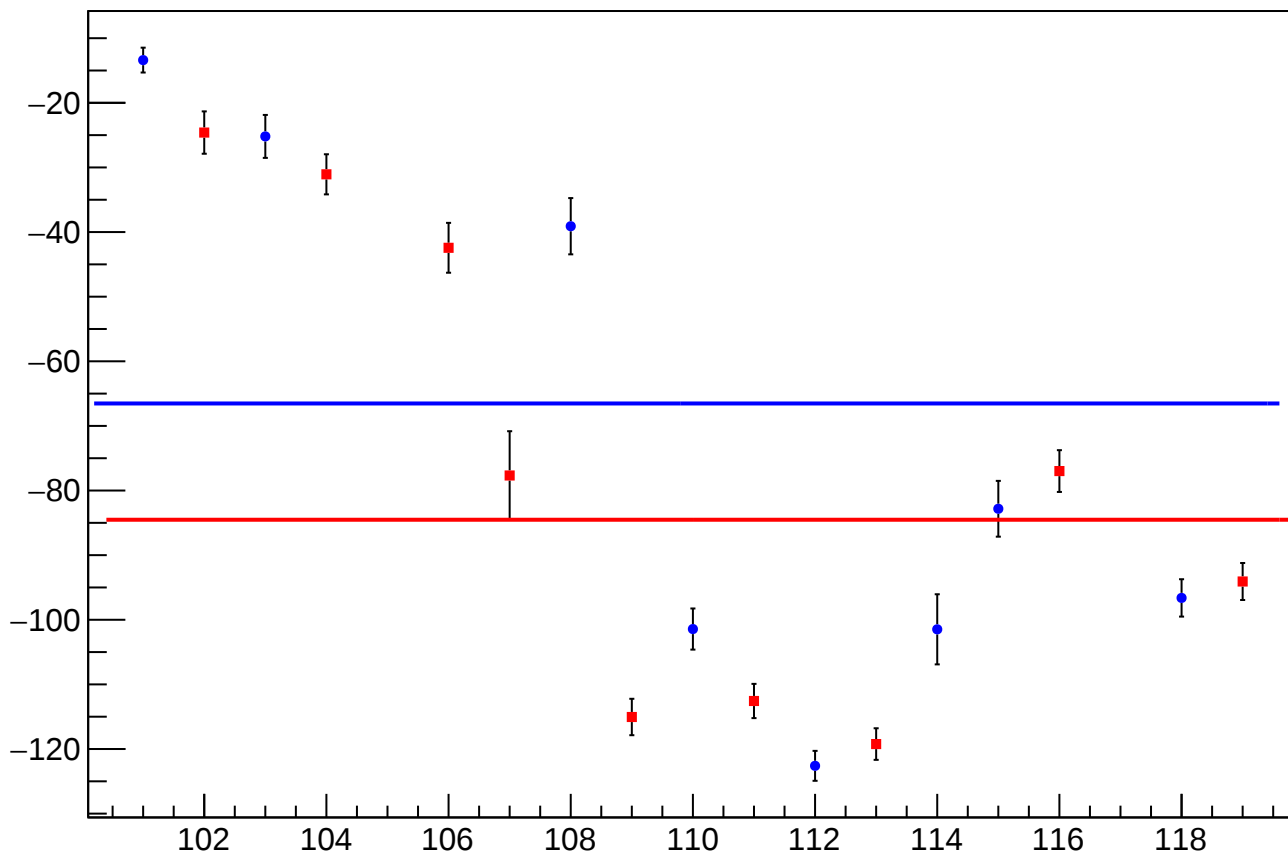
Right: 0.005+/-0.002  $\chi^2/\text{NDF}$ : 18.4/16

In: 0.004+/-0.003  $\chi^2/\text{NDF}$ : 10.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.005+/-0.002  $\chi^2/\text{NDF}$ : 18.4/16

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -66.527 $\pm$ 1.050  $\chi^2$ /NDF: 1828.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -84.520 $\pm$ 1.032  $\chi^2$ /NDF: 1198.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

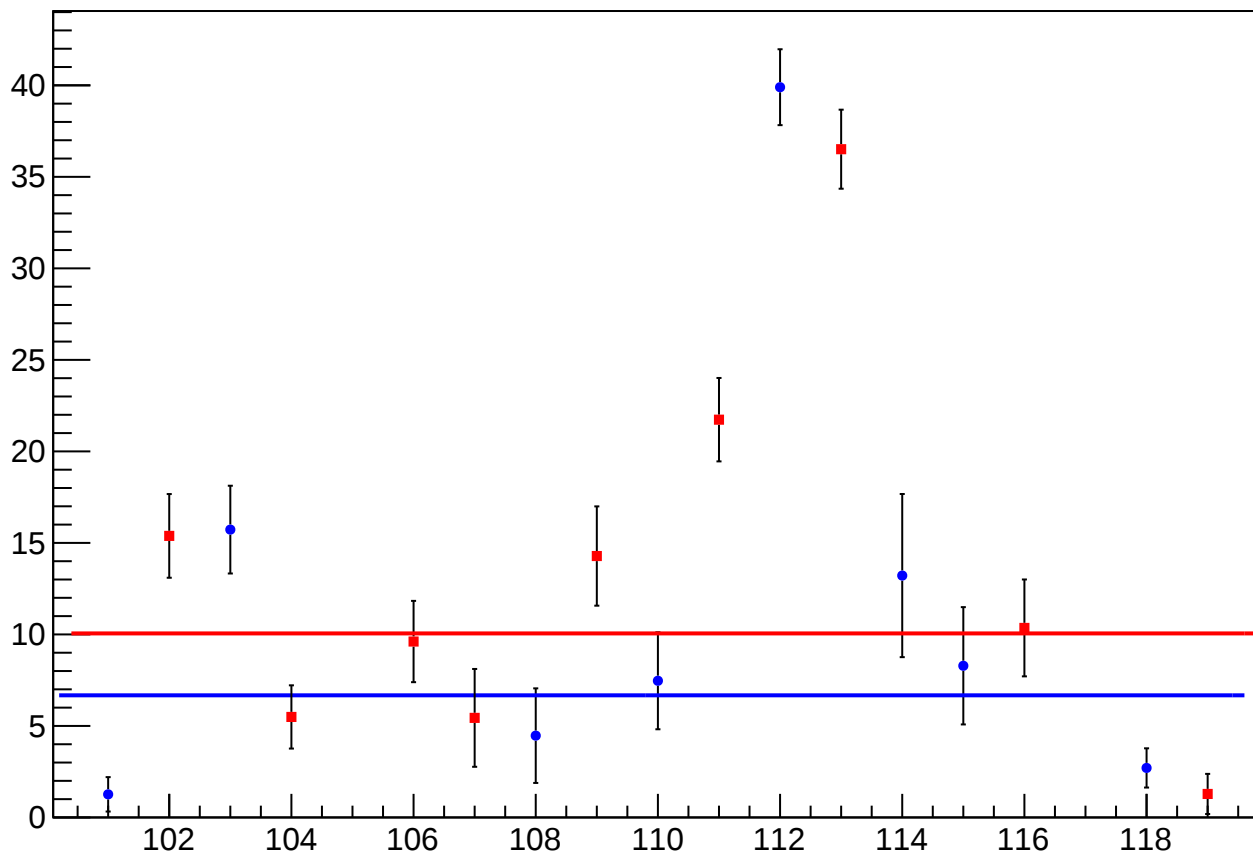
Right: -75.683 $\pm$ 0.736  $\chi^2$ /NDF: 3176.8/16

In: -66.527 $\pm$ 1.050  $\chi^2$ /NDF:1828.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -75.683 $\pm$ 0.736  $\chi^2$ /NDF: 3176.8/16

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.673+/-0.592  $\chi^2/\text{NDF}$ : 321.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.055+/-0.647  $\chi^2/\text{NDF}$ : 258.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

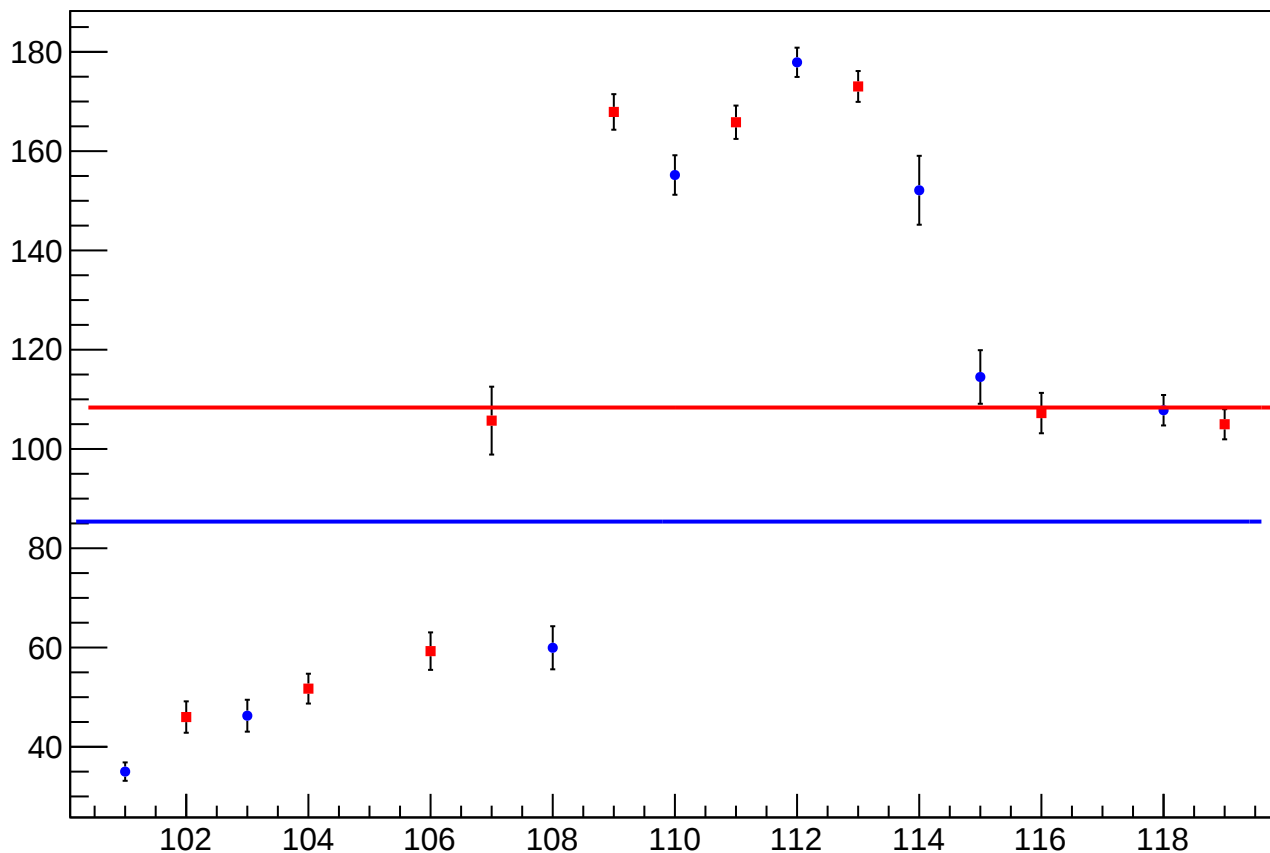
Right: 8.215+/-0.437  $\chi^2/\text{NDF}$ : 594.2/16

In: 6.673+/-0.592  $\chi^2/\text{NDF}$ : 321.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.215+/-0.437  $\chi^2/\text{NDF}$ : 594.2/16

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 85.375+/-1.132  $\chi^2/\text{NDF}$ : 2388.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 108.353+/-1.161  $\chi^2/\text{NDF}$ : 1916.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

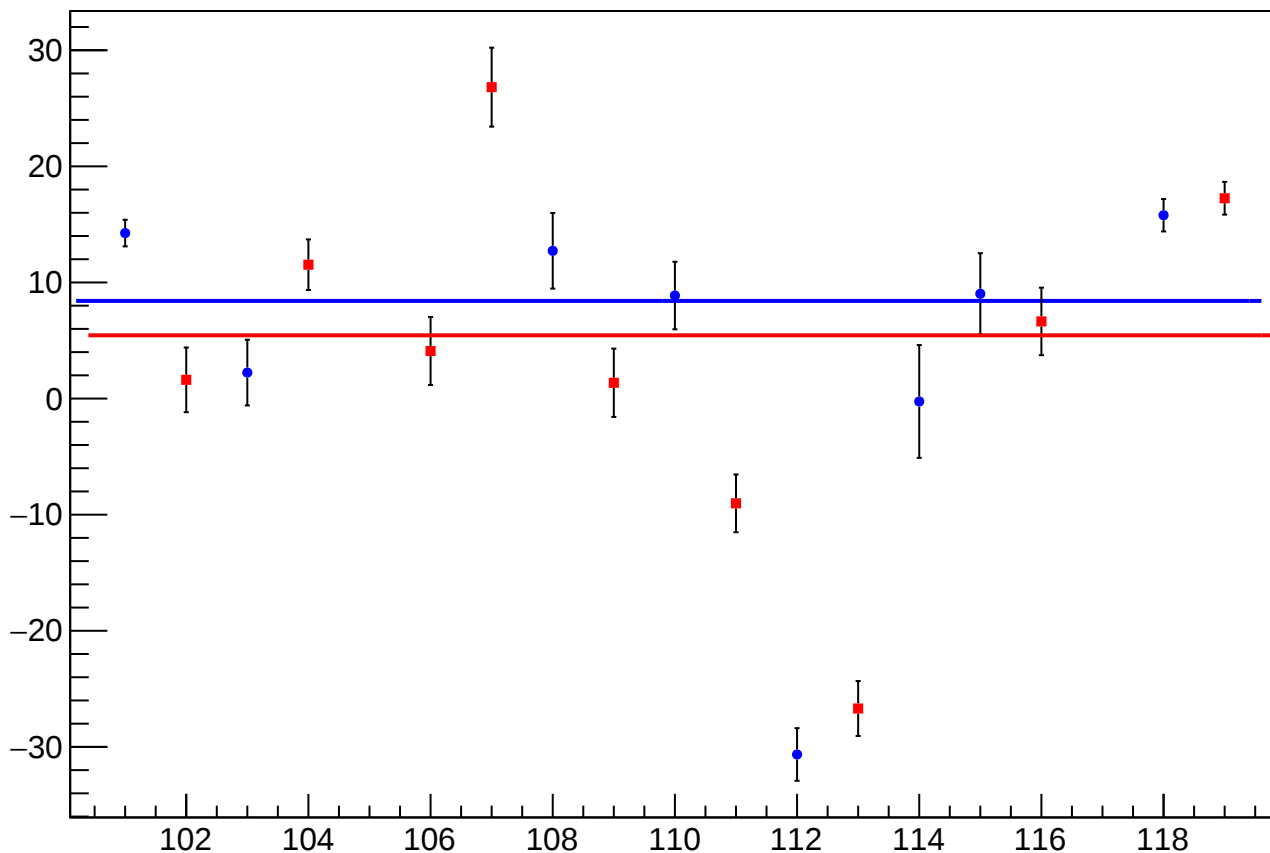
Right: 96.568+/-0.811  $\chi^2/\text{NDF}$ : 4506.2/16

In: 85.375+/-1.132  $\chi^2/\text{NDF}$ :2388.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 96.568+/-0.811  $\chi^2/\text{NDF}$ : 4506.2/16

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.410+/-0.720  $\chi^2/\text{NDF}$ : 360.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.448+/-0.786  $\chi^2/\text{NDF}$ : 340.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

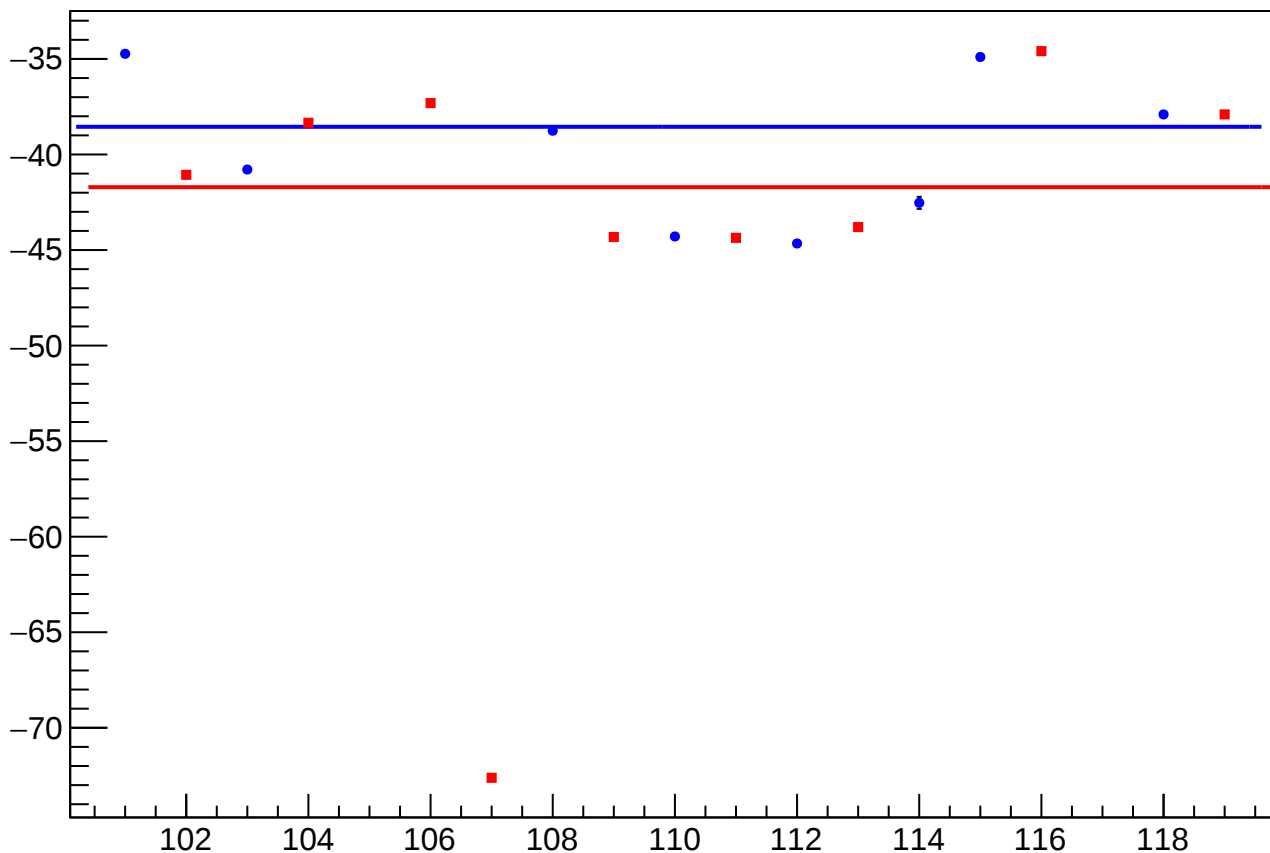
Right: 7.058+/-0.531  $\chi^2/\text{NDF}$ : 708.4/16

In: 8.410+/-0.720  $\chi^2/\text{NDF}$ : 360.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.058+/-0.531  $\chi^2/\text{NDF}$ : 708.4/16

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.550+/-0.038  $\chi^2/\text{NDF}$ : 7537.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -41.710+/-0.037  $\chi^2/\text{NDF}$ : 45871.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

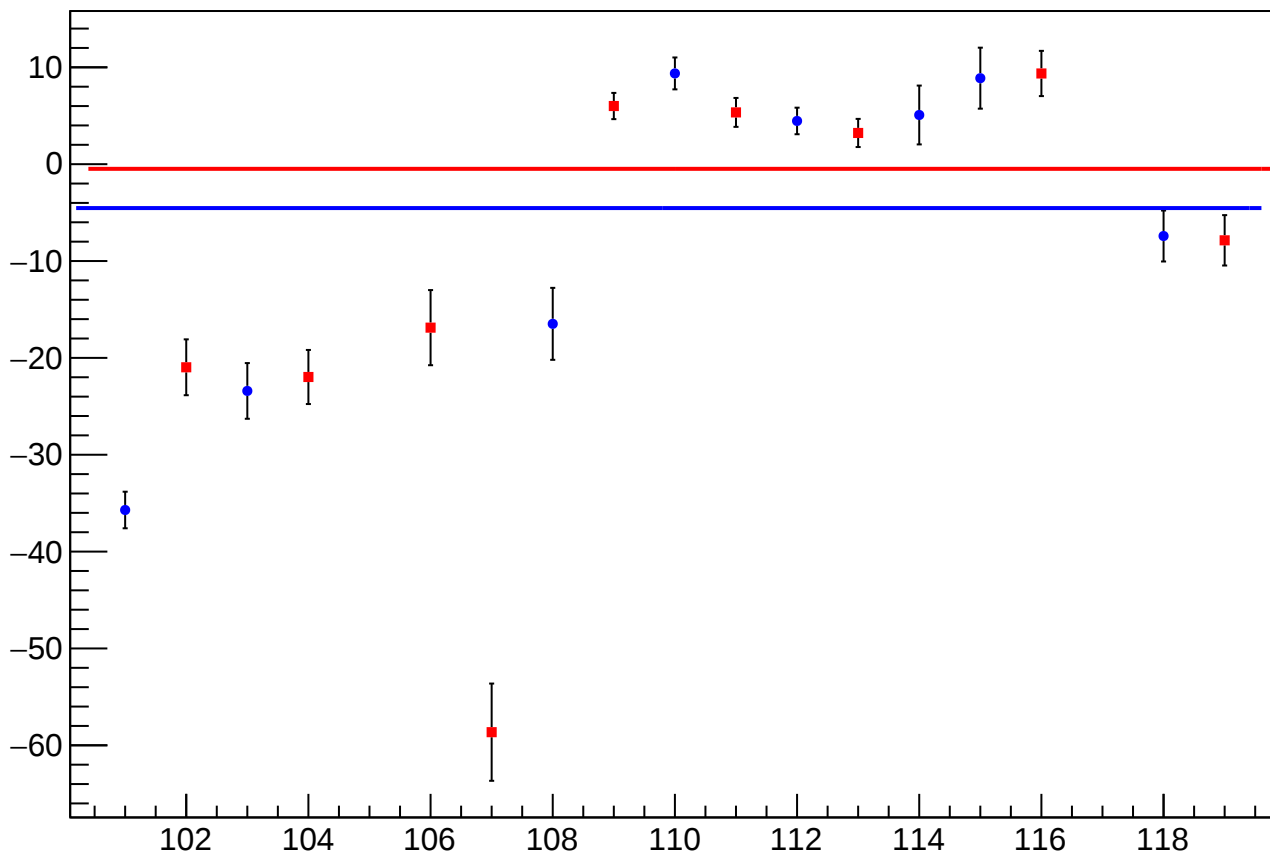
Right: -40.169+/-0.027  $\chi^2/\text{NDF}$ : 56933.9/16

In: -38.550+/-0.038  $\chi^2/\text{NDF}$ : 7537.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.169+/-0.027  $\chi^2/\text{NDF}$ : 56933.9/16

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -4.532+/-0.761  $\chi^2/\text{NDF}$ : 469.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.481+/-0.681  $\chi^2/\text{NDF}$ : 332.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

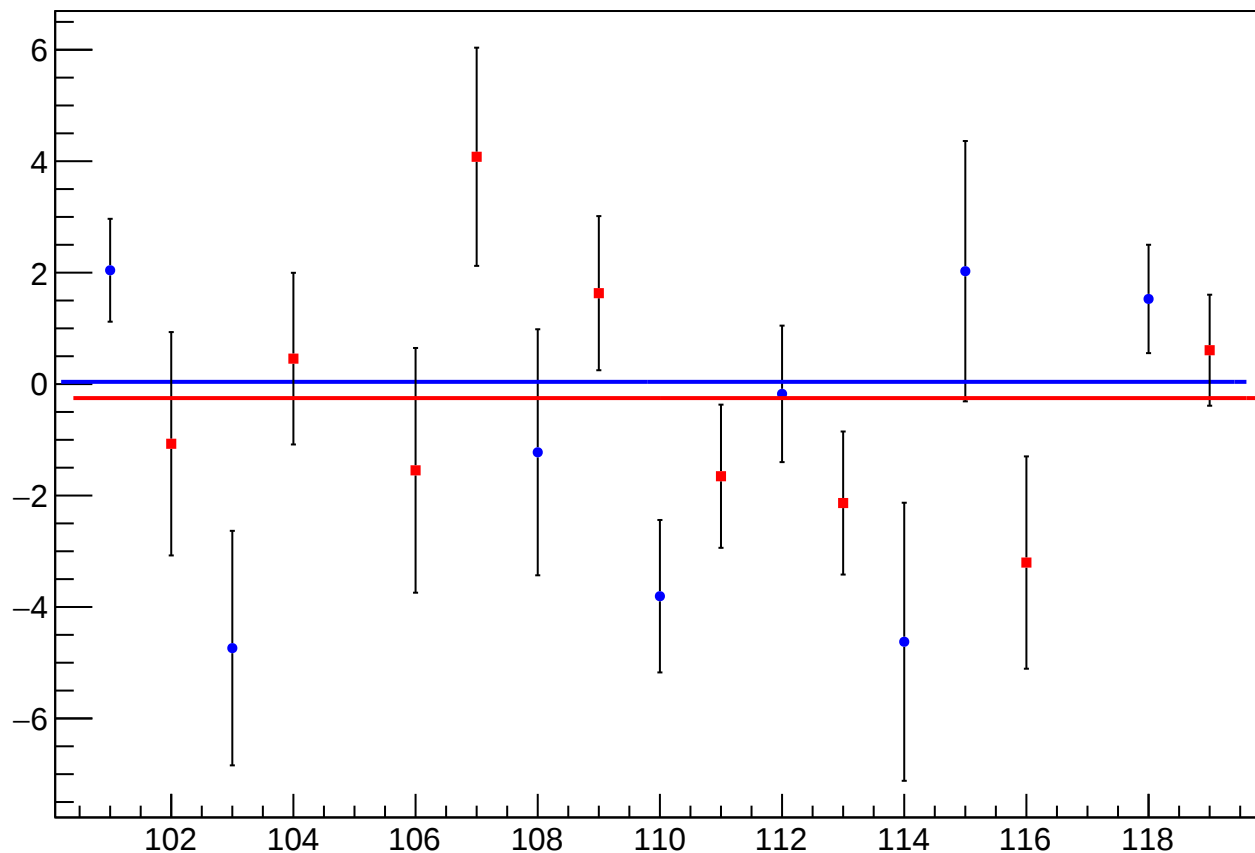
Right: -2.285+/-0.508  $\chi^2/\text{NDF}$ : 817.7/16

In: -4.532+/-0.761  $\chi^2/\text{NDF}$ : 469.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.285+/-0.508  $\chi^2/\text{NDF}$ : 817.7/16

reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.040+/-0.488  $\chi^2/\text{NDF}$ : 24.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.251+/-0.490  $\chi^2/\text{NDF}$ : 14.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

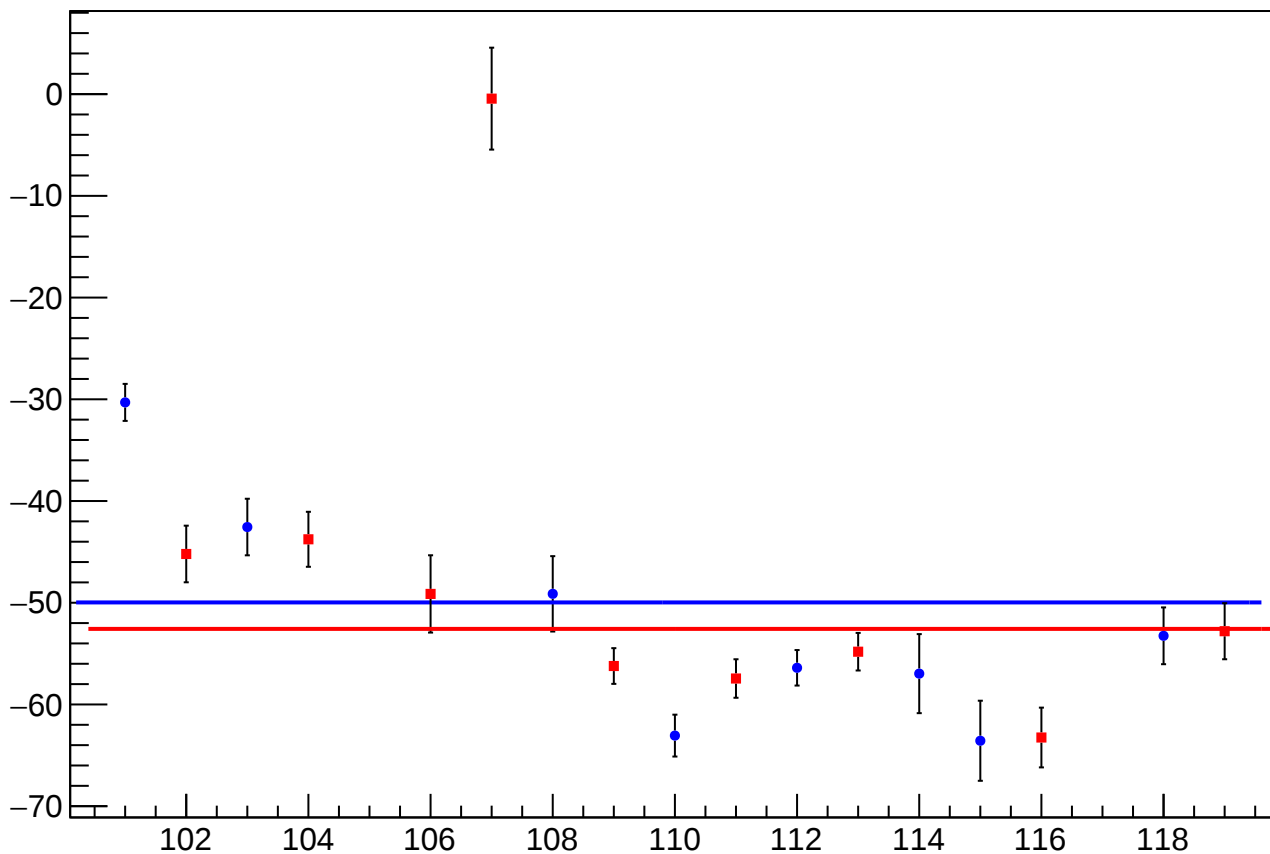
Right: -0.105+/-0.346  $\chi^2/\text{NDF}$ : 38.8/16

In: 0.040+/-0.488  $\chi^2/\text{NDF}$ : 24.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.105+/-0.346  $\chi^2/\text{NDF}$ : 38.8/16

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.970+/-0.868  $\chi^2/\text{NDF}$ : 194.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -52.571+/-0.811  $\chi^2/\text{NDF}$ : 152.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

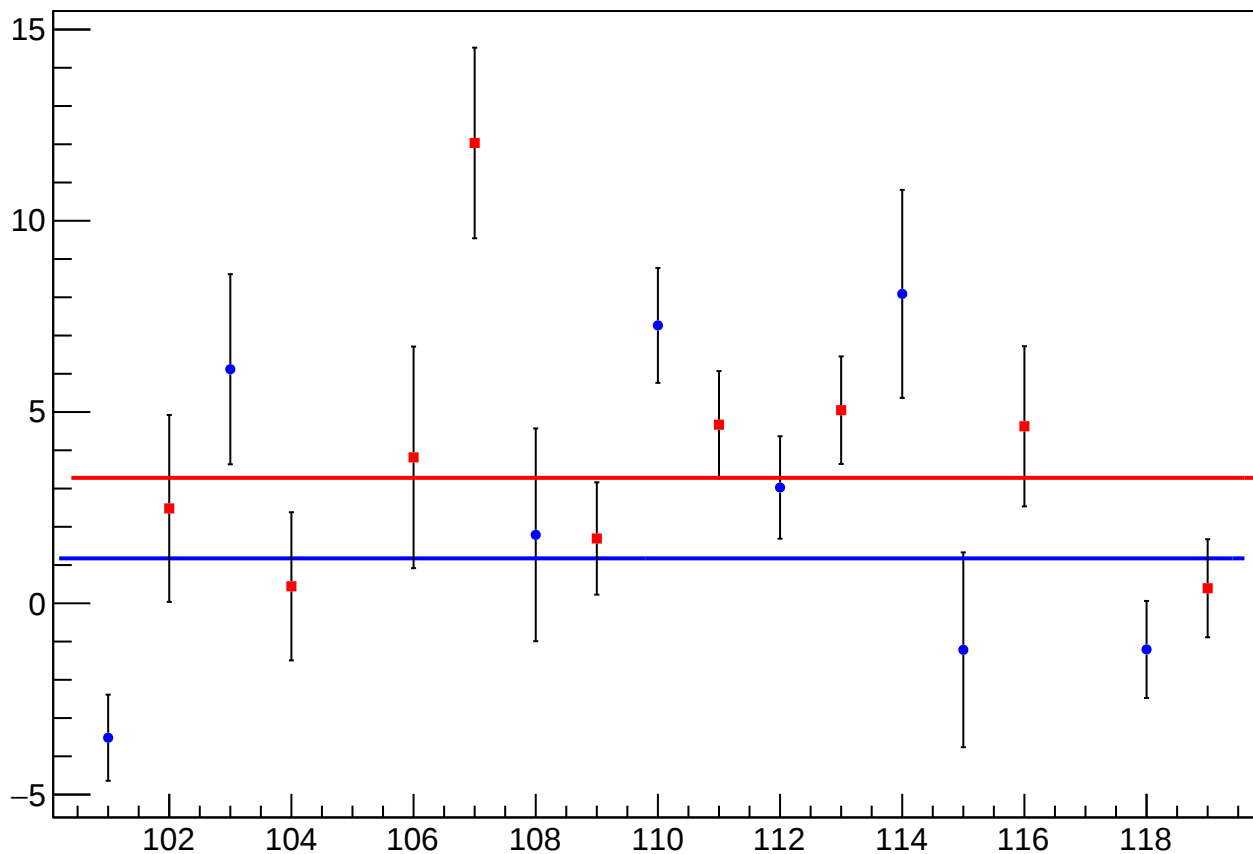
Right: -51.358+/-0.593  $\chi^2/\text{NDF}$ : 351.7/16

In: -49.970+/-0.868  $\chi^2/\text{NDF}$ : 194.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -51.358+/-0.593  $\chi^2/\text{NDF}$ : 351.7/16

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.175+/-0.578  $\chi^2/\text{NDF}$ : 50.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.280+/-0.574  $\chi^2/\text{NDF}$ : 23.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

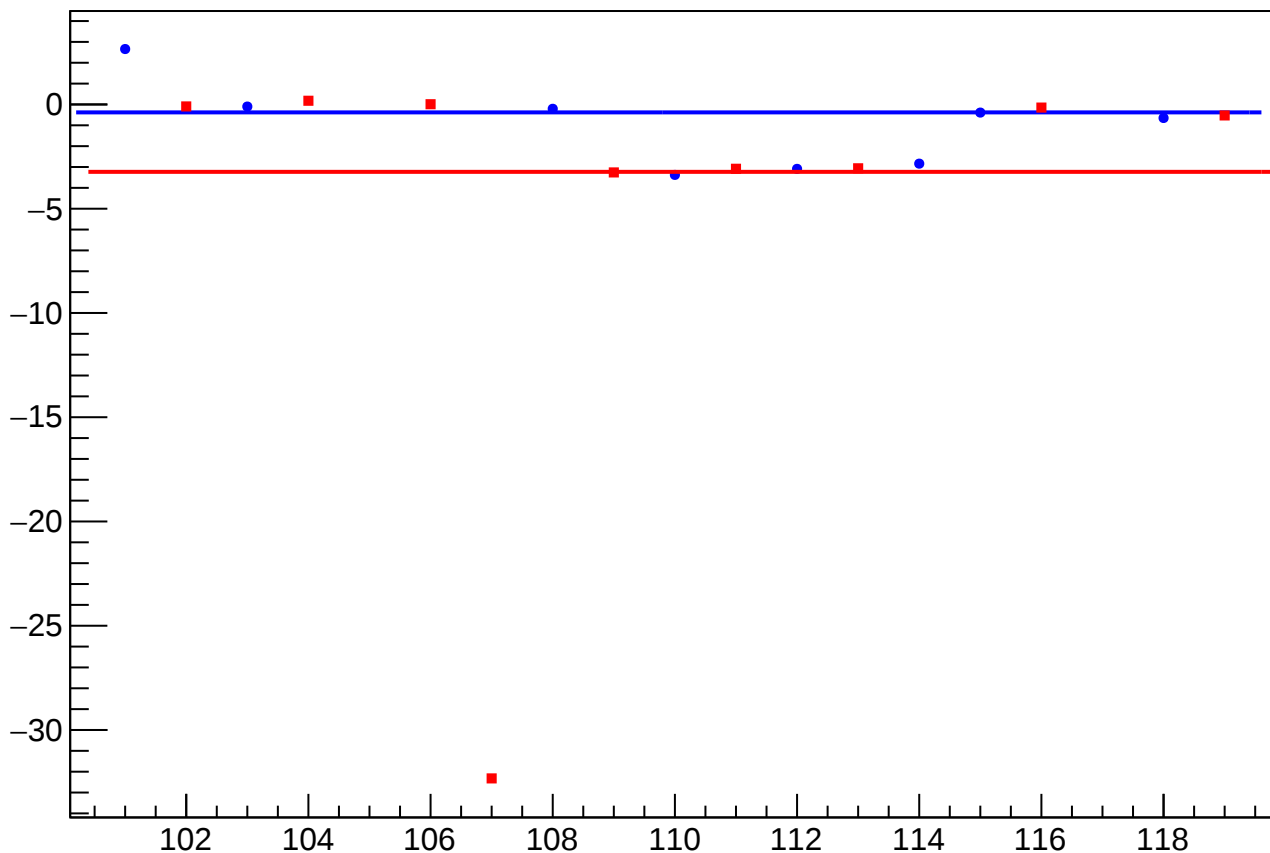
Right: 2.234+/-0.407  $\chi^2/\text{NDF}$ : 81.1/16

In: 1.175+/-0.578  $\chi^2/\text{NDF}$ : 50.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.234+/-0.407  $\chi^2/\text{NDF}$ : 81.1/16

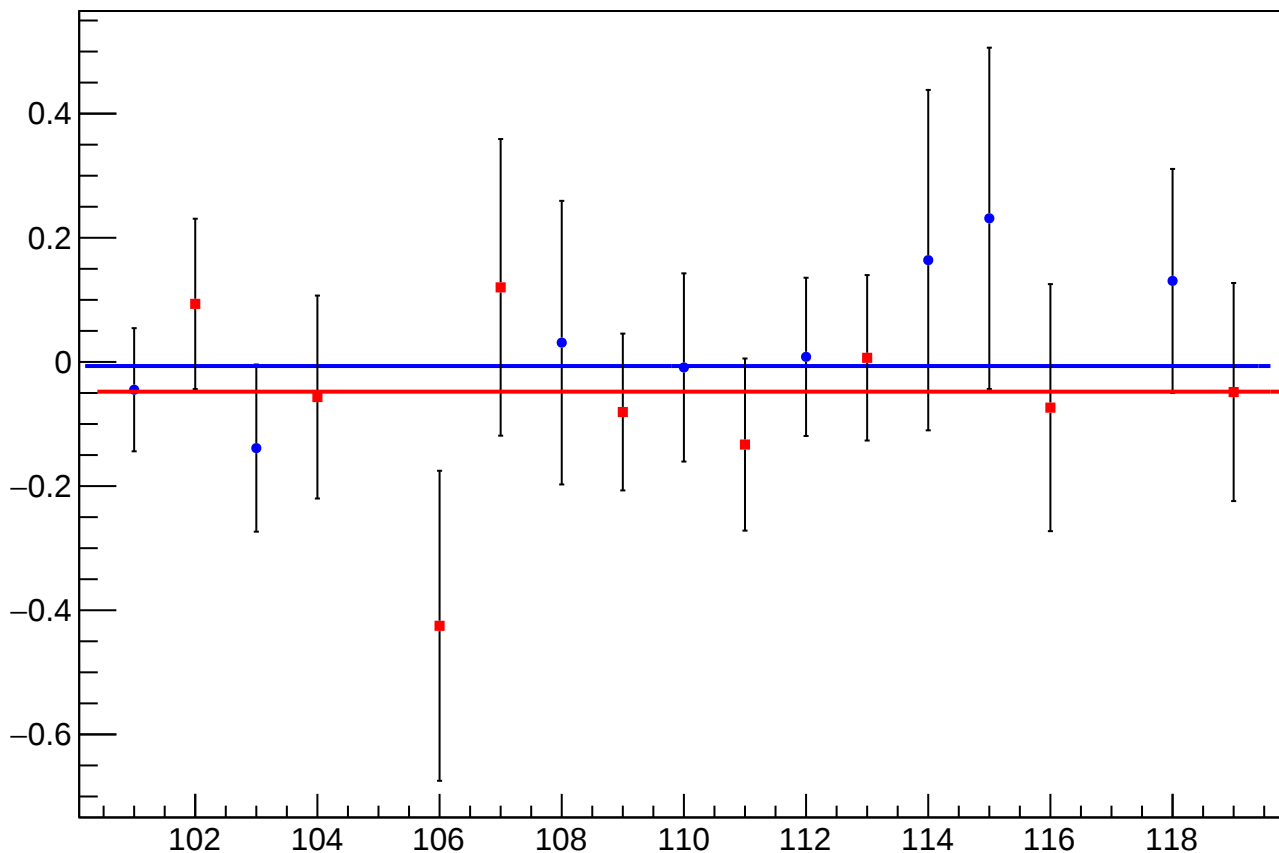
reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.381±/0.031  $\chi^2/\text{NDF}$ : 4384.1/7  
 Left Out: 0.000±/0.000  $\chi^2/\text{NDF}$ :0.0/0  
 Right Out: -3.232±/0.029  $\chi^2/\text{NDF}$ : 70852.8/8  
 Left In: 0.000±/0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000±/0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: -1.908±/0.021  $\chi^2/\text{NDF}$ : 79695.8/16  
 In: -0.381±/0.031  $\chi^2/\text{NDF}$ :4384.1/7  
 Out: 0.000±/0.000  $\chi^2/\text{NDF}$ :0.0/0  
 All: -1.908±/0.021  $\chi^2/\text{NDF}$ : 79695.8/16

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.007 $\pm$ 0.054  $\chi^2$ /NDF: 2.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.048 $\pm$ 0.053  $\chi^2$ /NDF: 4.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

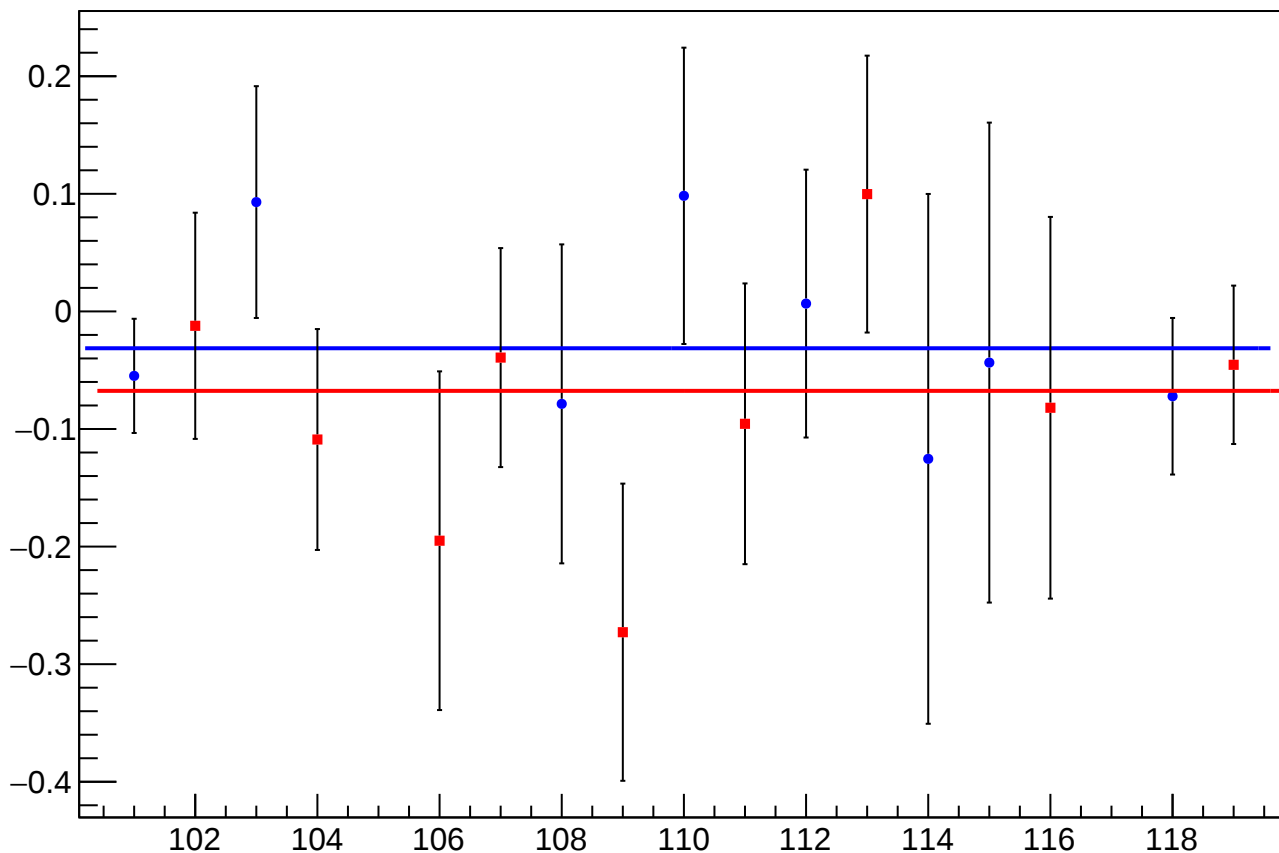
Right: -0.028 $\pm$ 0.038  $\chi^2$ /NDF: 7.6/16

In: -0.007 $\pm$ 0.054  $\chi^2$ /NDF:2.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.028 $\pm$ 0.038  $\chi^2$ /NDF: 7.6/16

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.031+/-0.032  $\chi^2/\text{NDF}$ : 3.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.068+/-0.034  $\chi^2/\text{NDF}$ : 6.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

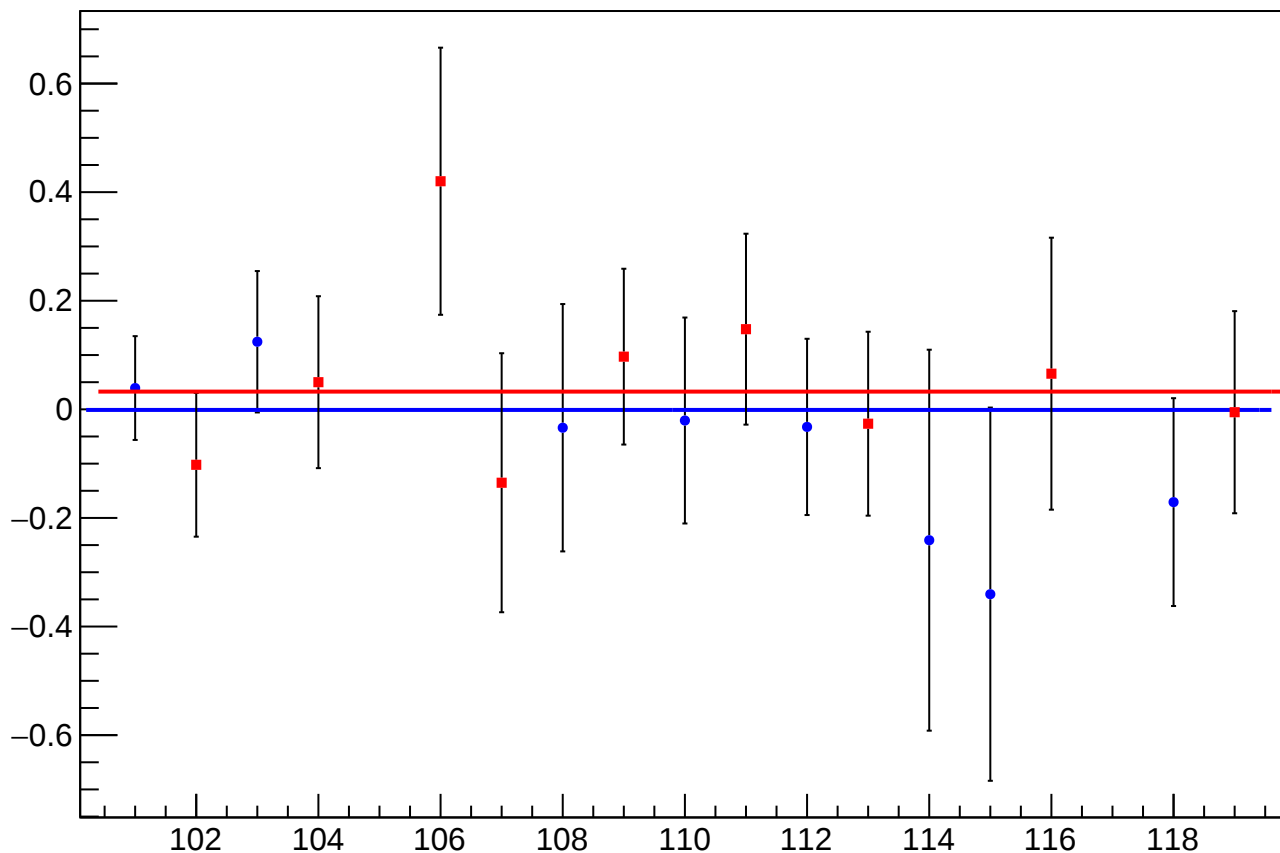
Right: -0.048+/-0.023  $\chi^2/\text{NDF}$ : 10.5/16

In: -0.031+/-0.032  $\chi^2/\text{NDF}$ :3.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.048+/-0.023  $\chi^2/\text{NDF}$ : 10.5/16

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.058  $\chi^2/\text{NDF}$ : 3.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.033+/-0.060  $\chi^2/\text{NDF}$ : 4.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

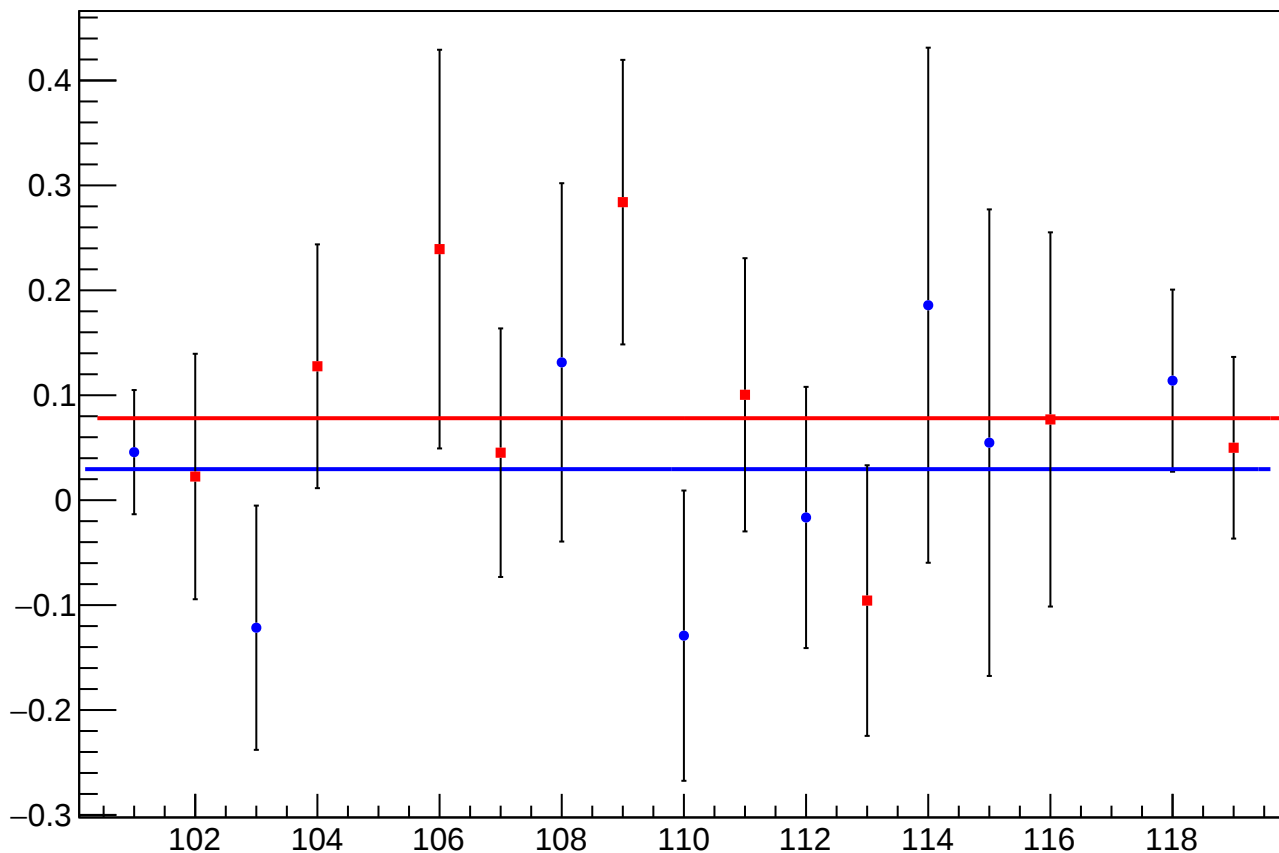
Right: 0.015+/-0.042  $\chi^2/\text{NDF}$ : 8.4/16

In: -0.001+/-0.058  $\chi^2/\text{NDF}$ : 3.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.015+/-0.042  $\chi^2/\text{NDF}$ : 8.4/16

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.030+/-0.038  $\chi^2/\text{NDF}$ : 4.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.078+/-0.041  $\chi^2/\text{NDF}$ : 5.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

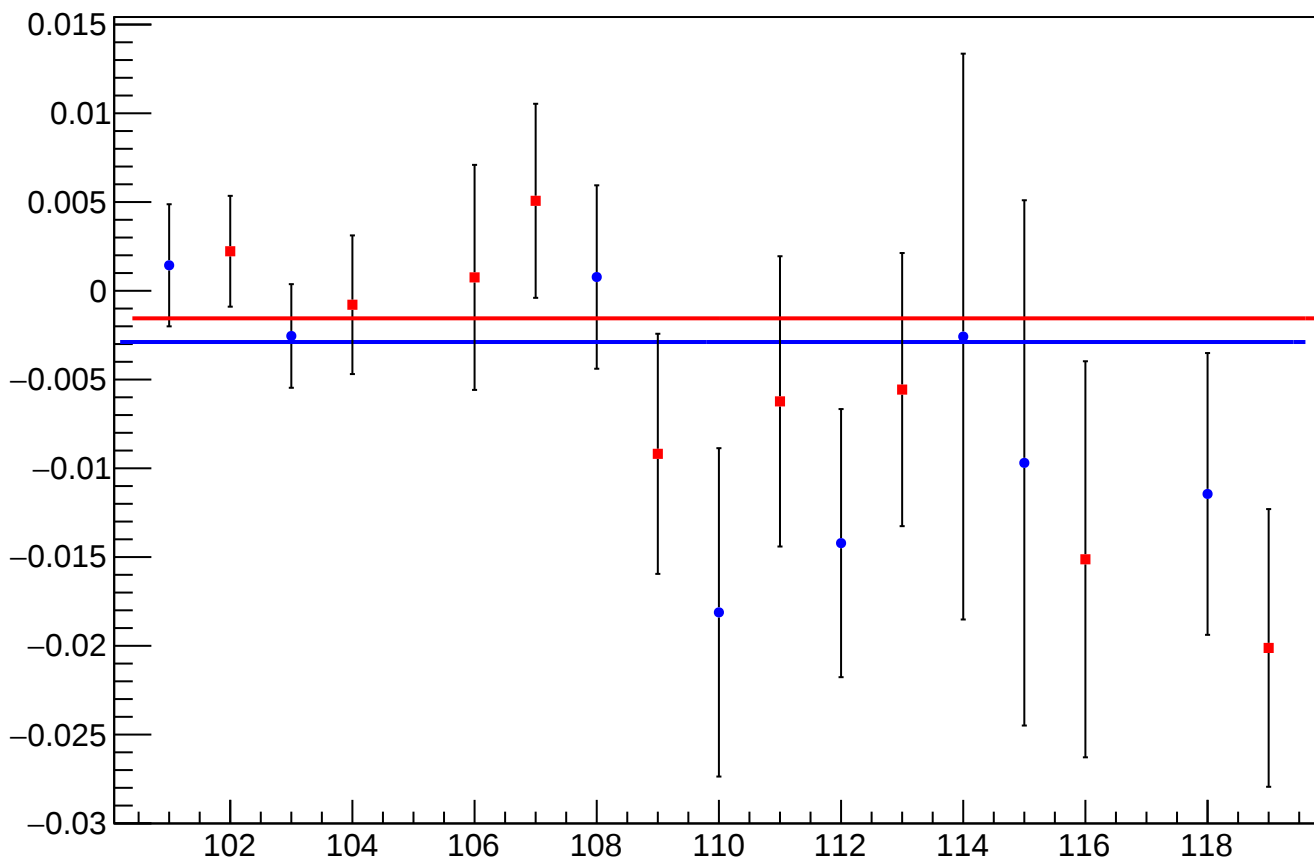
Right: 0.052+/-0.028  $\chi^2/\text{NDF}$ : 11.1/16

In: 0.030+/-0.038  $\chi^2/\text{NDF}$ : 4.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.052+/-0.028  $\chi^2/\text{NDF}$ : 11.1/16

reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.003+/-0.002  $\chi^2/\text{NDF}$ : 8.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.002+/-0.002  $\chi^2/\text{NDF}$ : 12.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

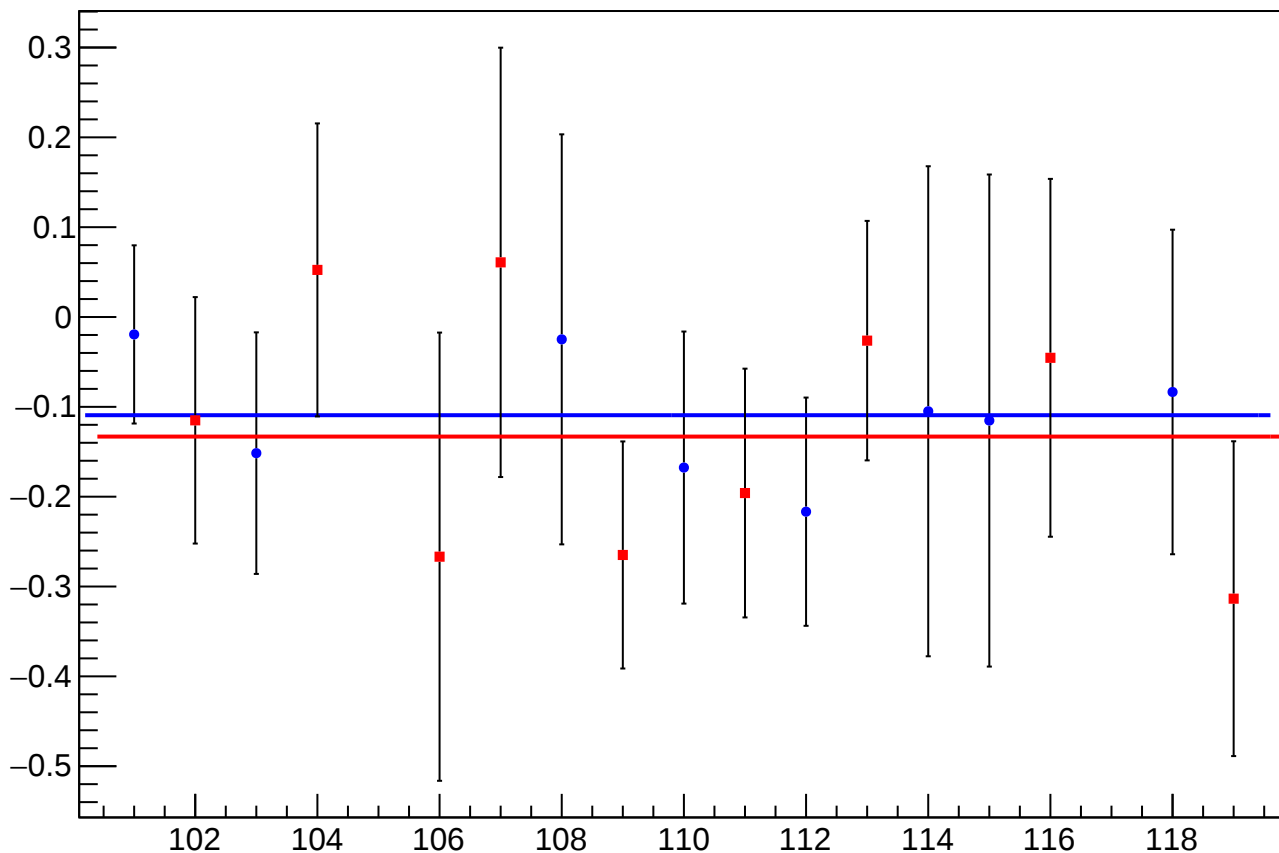
Right: -0.002+/-0.001  $\chi^2/\text{NDF}$ : 20.8/16

In: -0.003+/-0.002  $\chi^2/\text{NDF}$ :8.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.002+/-0.001  $\chi^2/\text{NDF}$ : 20.8/16

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.109 $\pm$ 0.054  $\chi^2$ /NDF: 1.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.133 $\pm$ 0.053  $\chi^2$ /NDF: 5.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

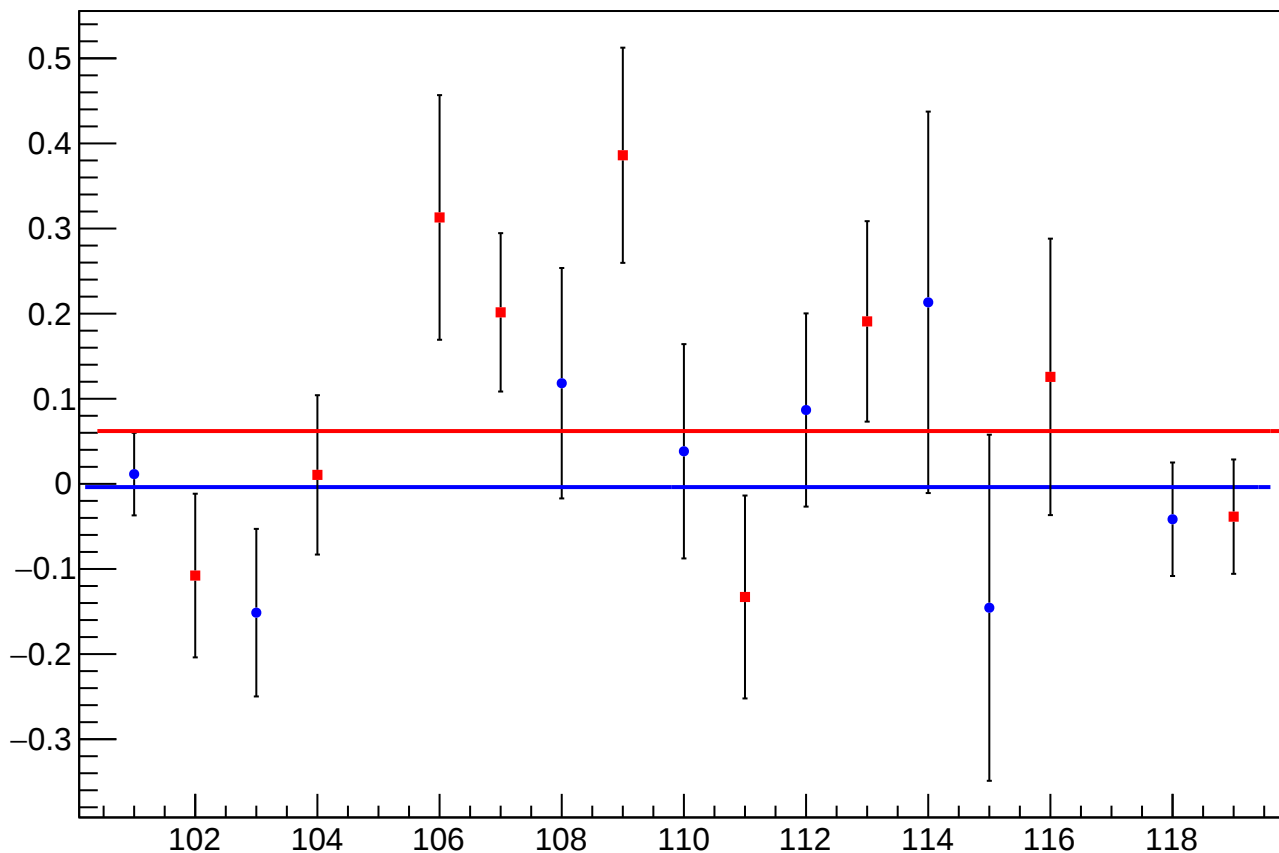
Right: -0.121 $\pm$ 0.038  $\chi^2$ /NDF: 7.5/16

In: -0.109 $\pm$ 0.054  $\chi^2$ /NDF:1.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.121 $\pm$ 0.038  $\chi^2$ /NDF: 7.5/16

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.004 \pm 0.032$   $\chi^2/\text{NDF}$ : 5.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.062 \pm 0.034$   $\chi^2/\text{NDF}$ : 21.6/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

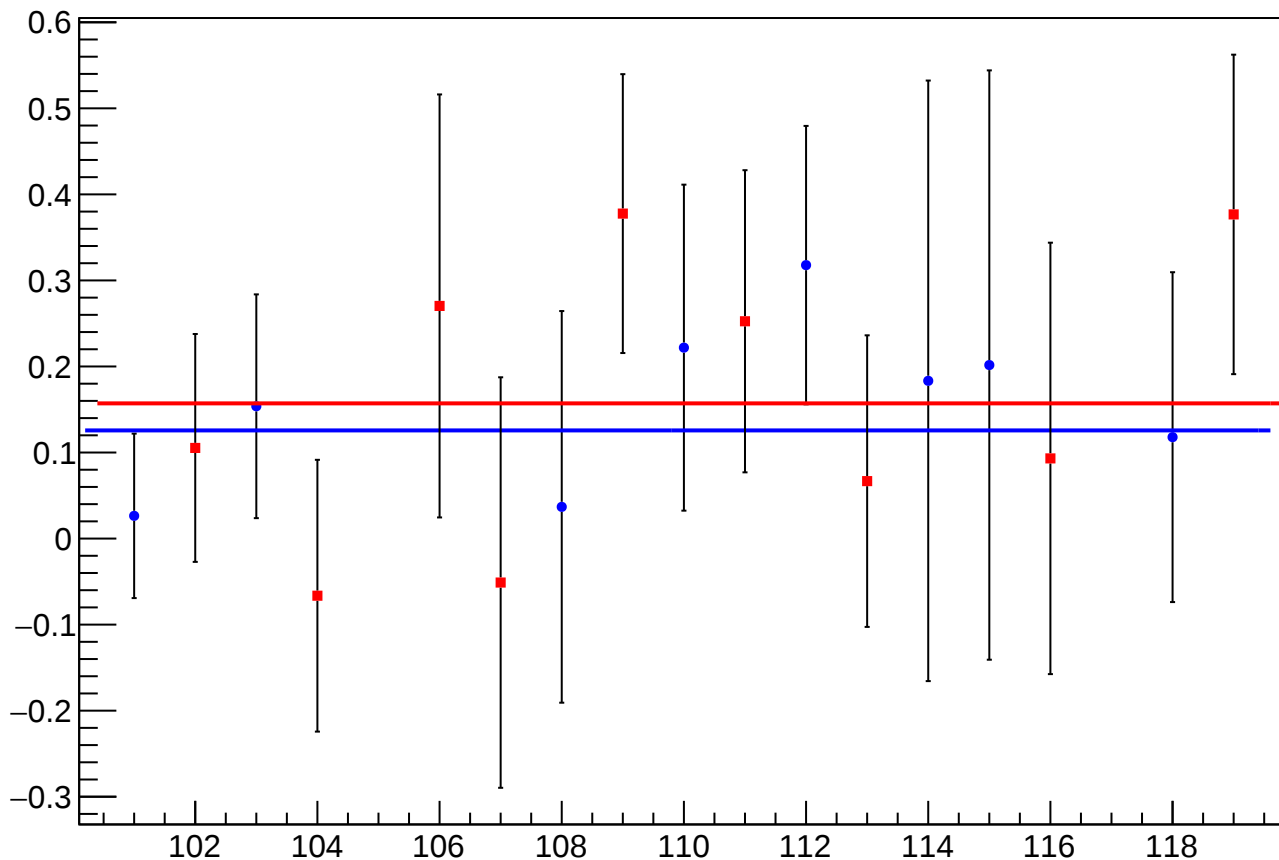
Right:  $0.027 \pm 0.023$   $\chi^2/\text{NDF}$ : 29.2/16

In:  $-0.004 \pm 0.032$   $\chi^2/\text{NDF}$ : 5.7/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.027 \pm 0.023$   $\chi^2/\text{NDF}$ : 29.2/16

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.126 $\pm$ 0.058  $\chi^2$ /NDF: 3.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.157 $\pm$ 0.060  $\chi^2$ /NDF: 7.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

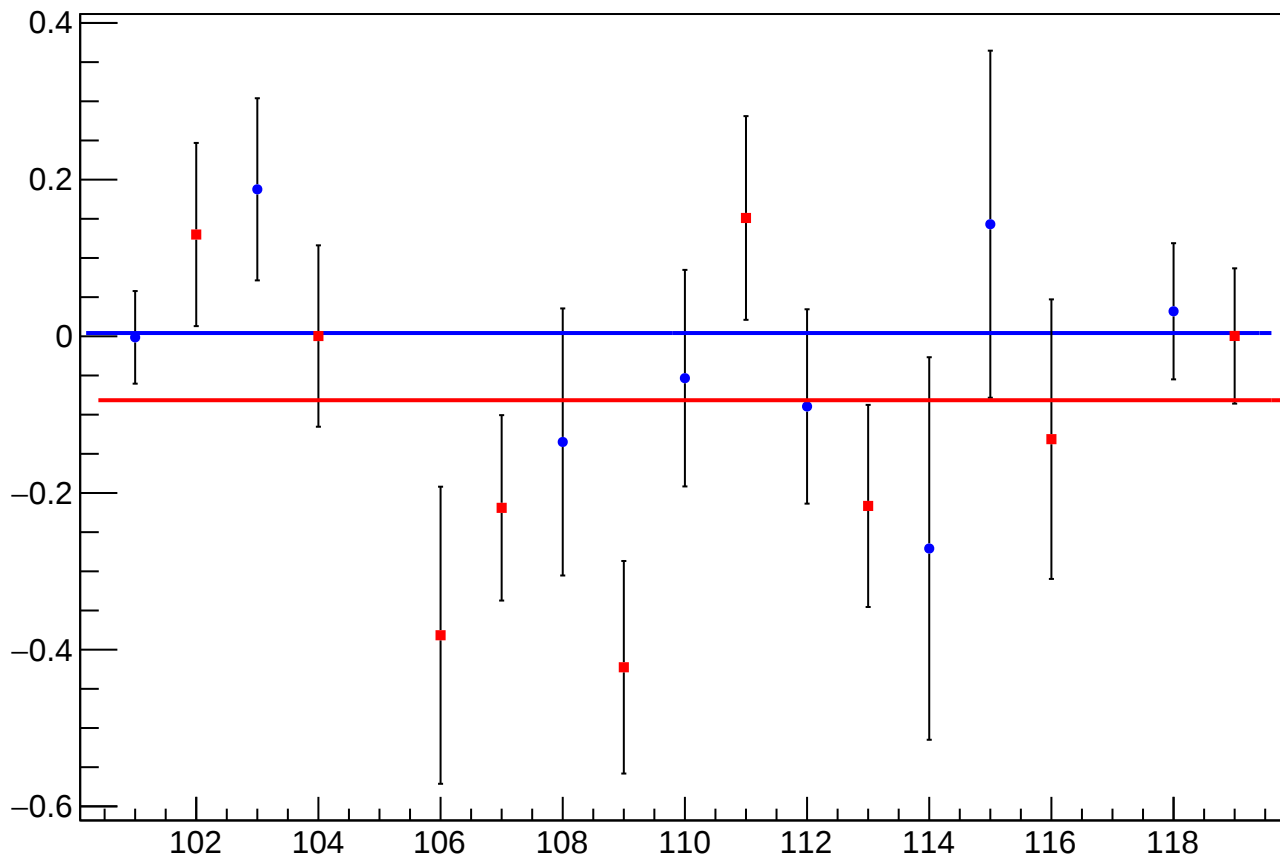
Right: 0.141 $\pm$ 0.042  $\chi^2$ /NDF: 10.2/16

In: 0.126 $\pm$ 0.058  $\chi^2$ /NDF:3.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.141 $\pm$ 0.042  $\chi^2$ /NDF: 10.2/16

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.038  $\chi^2/\text{NDF}$ : 5.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.082+/-0.041  $\chi^2/\text{NDF}$ : 19.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

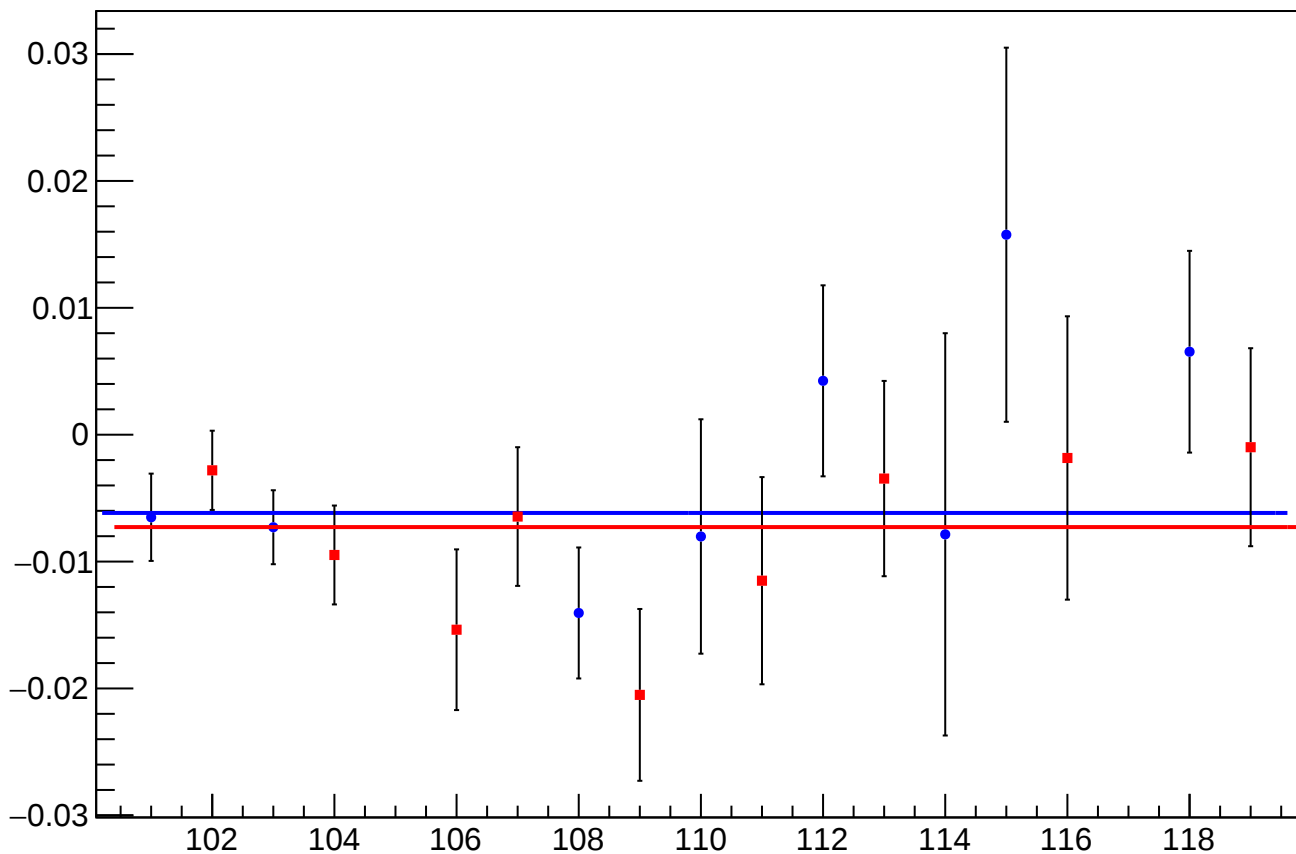
Right: -0.035+/-0.028  $\chi^2/\text{NDF}$ : 27.2/16

In: 0.004+/-0.038  $\chi^2/\text{NDF}$ : 5.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.035+/-0.028  $\chi^2/\text{NDF}$ : 27.2/16

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.002  $\chi^2$ /NDF: 9.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.007 $\pm$ 0.002  $\chi^2$ /NDF: 9.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

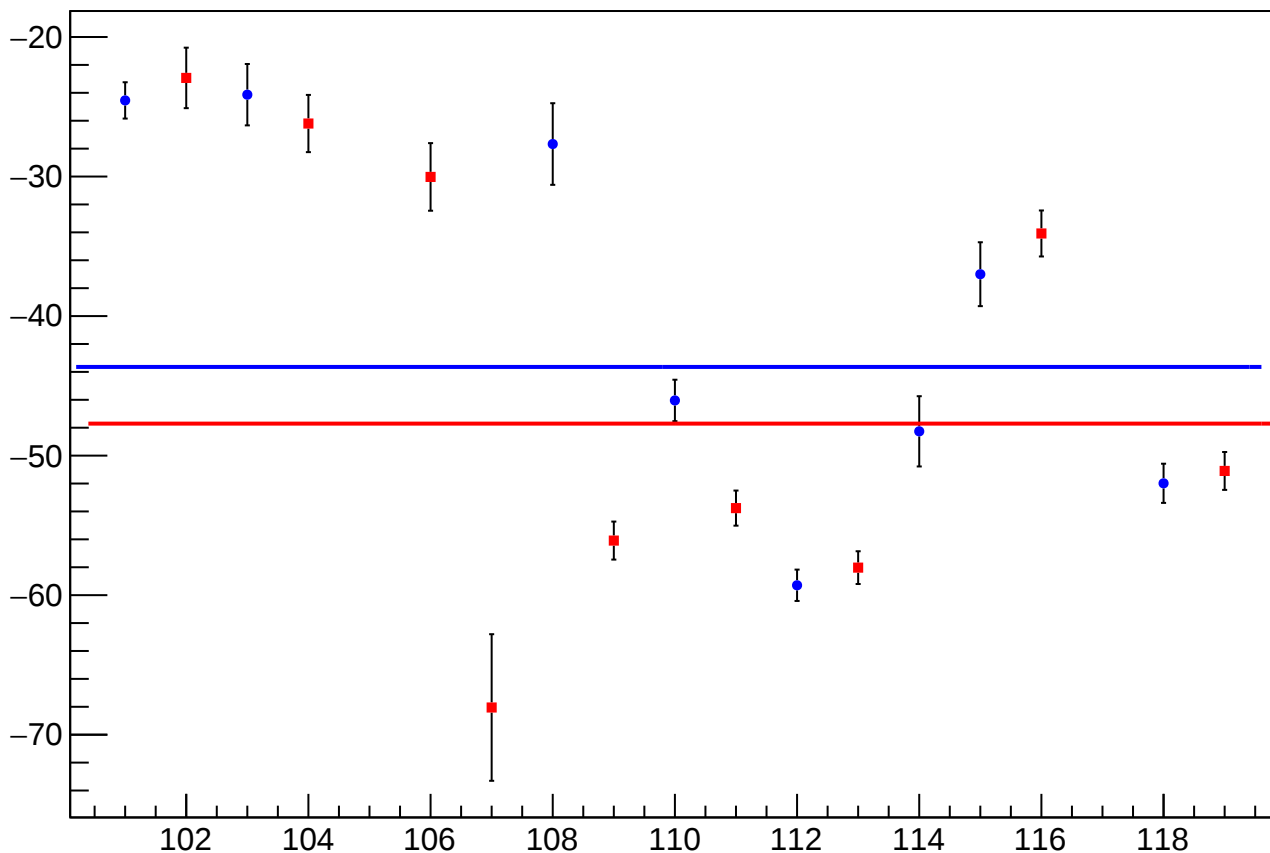
Right: -0.007 $\pm$ 0.001  $\chi^2$ /NDF: 18.7/16

In: -0.006 $\pm$ 0.002  $\chi^2$ /NDF:9.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.007 $\pm$ 0.001  $\chi^2$ /NDF: 18.7/16

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -43.644+/-0.576  $\chi^2/\text{NDF}$ : 567.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -47.706+/-0.537  $\chi^2/\text{NDF}$ : 521.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

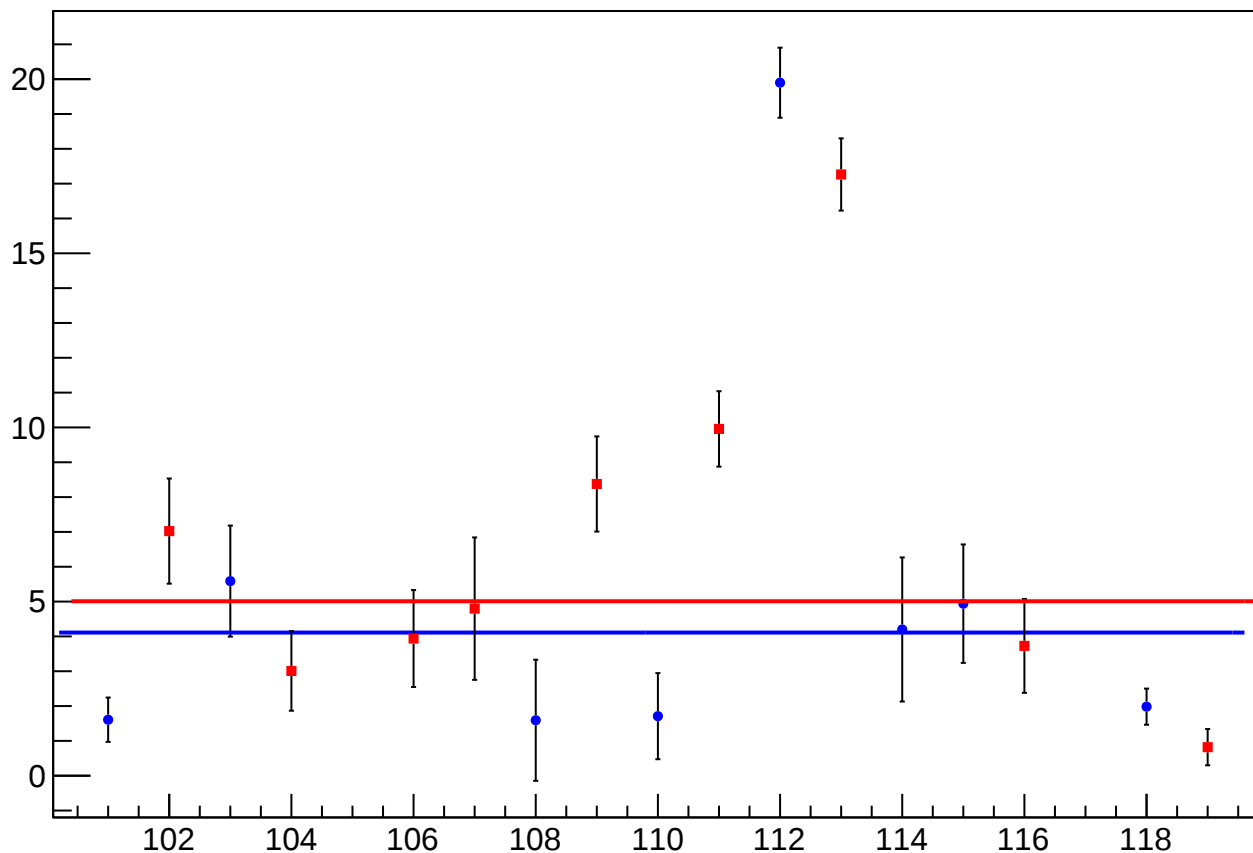
Right: -45.816+/-0.393  $\chi^2/\text{NDF}$ : 1115.9/16

In: -43.644+/-0.576  $\chi^2/\text{NDF}$ :567.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -45.816+/-0.393  $\chi^2/\text{NDF}$ : 1115.9/16

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.110+/-0.331  $\chi^2/\text{NDF}$ : 285.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.009+/-0.343  $\chi^2/\text{NDF}$ : 237.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

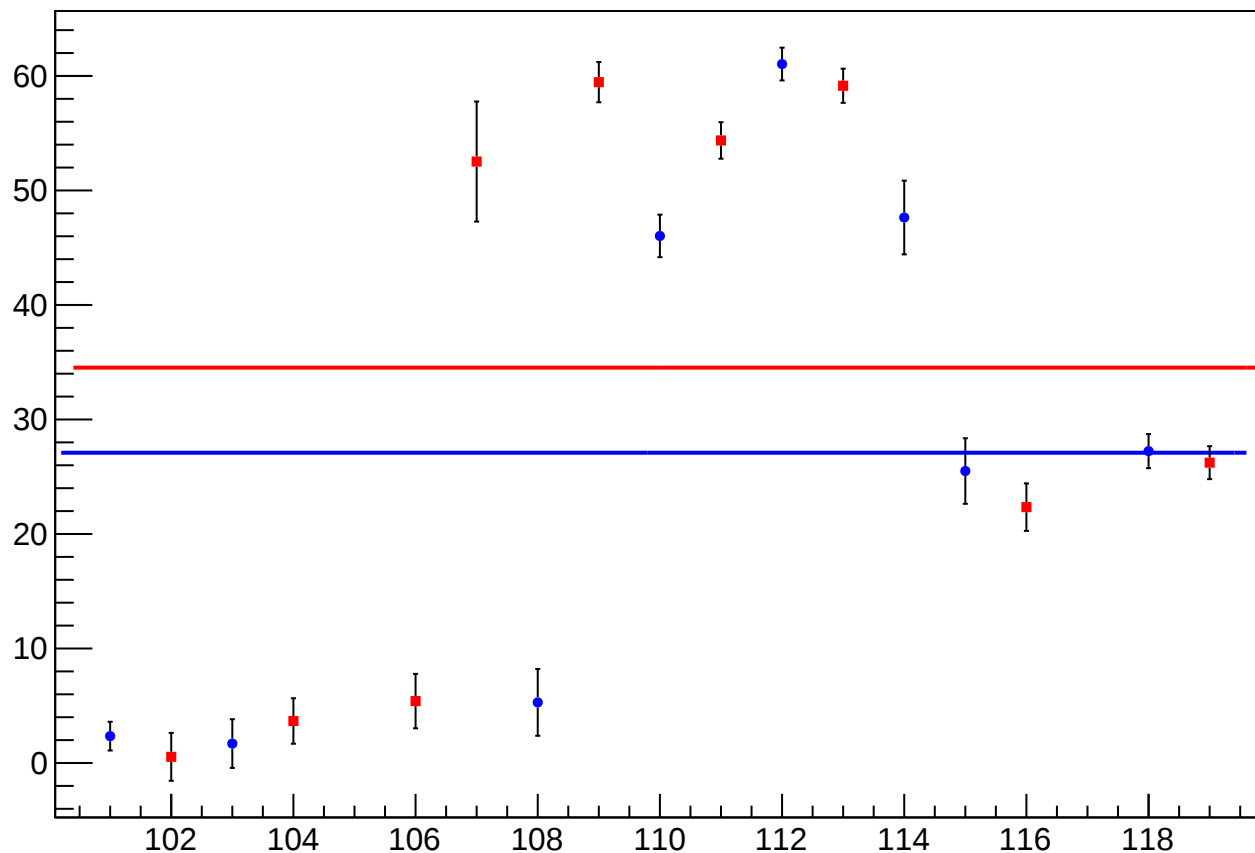
Right: 4.544+/-0.238  $\chi^2/\text{NDF}$ : 526.9/16

In: 4.110+/-0.331  $\chi^2/\text{NDF}$ : 285.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.544+/-0.238  $\chi^2/\text{NDF}$ : 526.9/16

reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.097+/-0.643  $\chi^2/\text{NDF}$ : 1295.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 34.528+/-0.623  $\chi^2/\text{NDF}$ : 1363.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

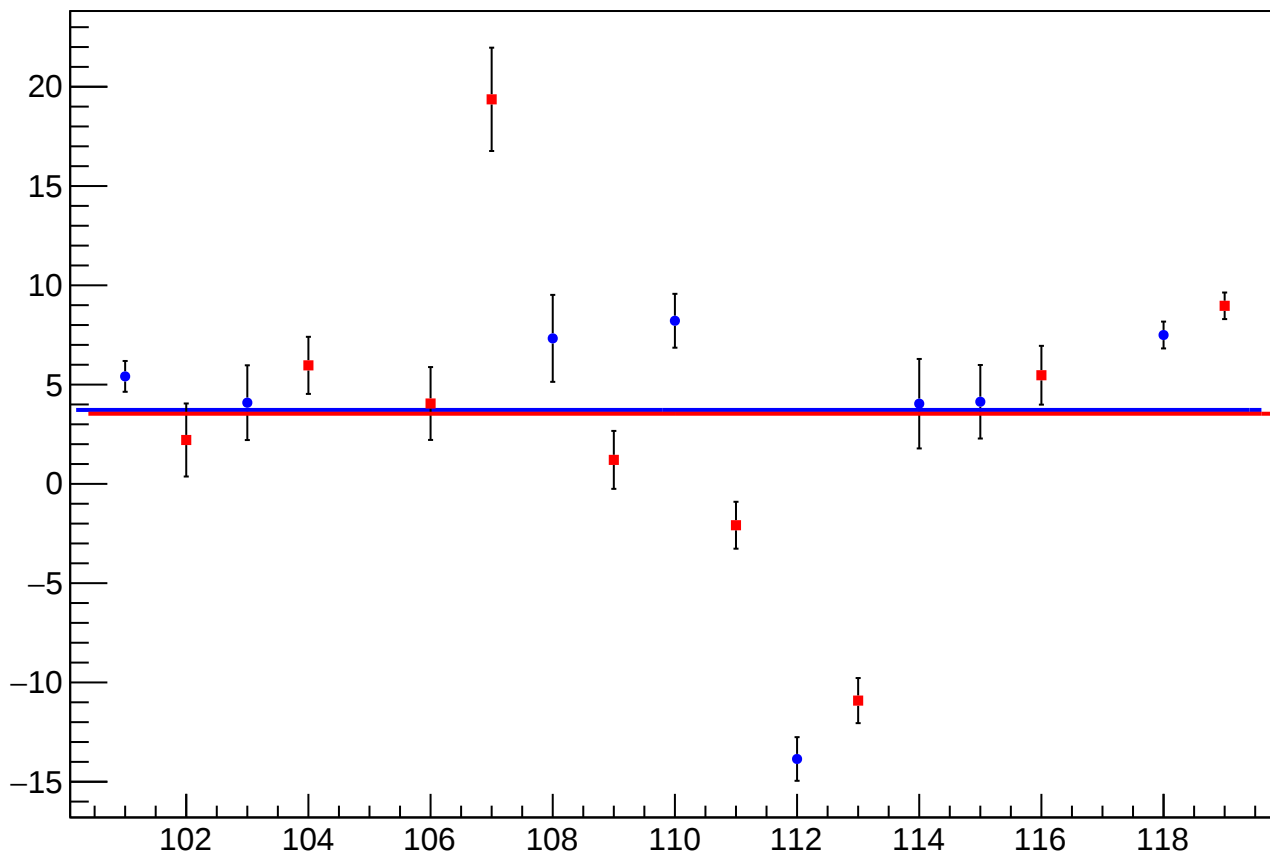
Right: 30.928+/-0.447  $\chi^2/\text{NDF}$ : 2727.7/16

In: 27.097+/-0.643  $\chi^2/\text{NDF}$ : 1295.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.928+/-0.447  $\chi^2/\text{NDF}$ : 2727.7/16

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.724+/-0.402  $\chi^2/\text{NDF}$ : 305.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.533+/-0.412  $\chi^2/\text{NDF}$ : 295.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

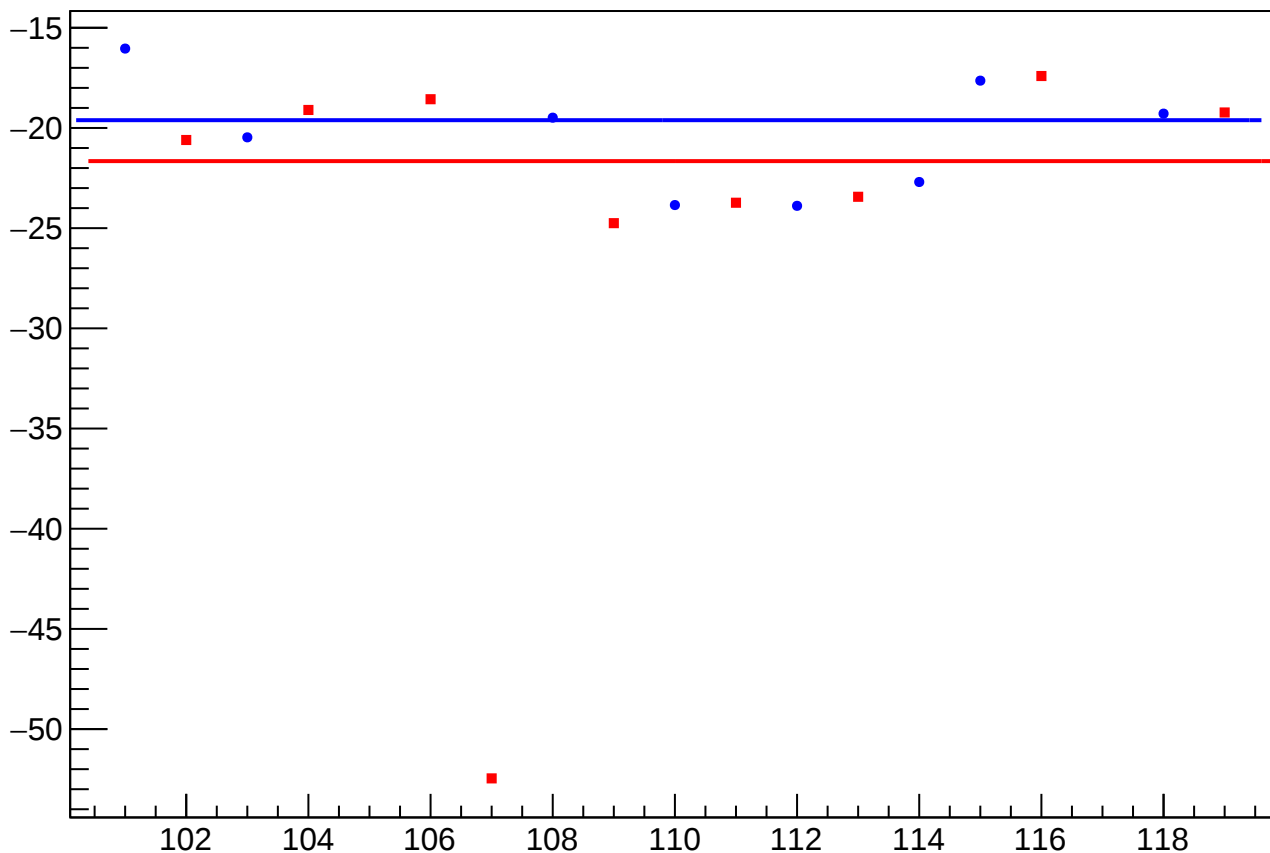
Right: 3.631+/-0.288  $\chi^2/\text{NDF}$ : 600.7/16

In: 3.724+/-0.402  $\chi^2/\text{NDF}$ : 305.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.631+/-0.288  $\chi^2/\text{NDF}$ : 600.7/16

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.611 $\pm$ 0.023  $\chi^2$ /NDF: 13633.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -21.654 $\pm$ 0.022  $\chi^2$ /NDF: 77666.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

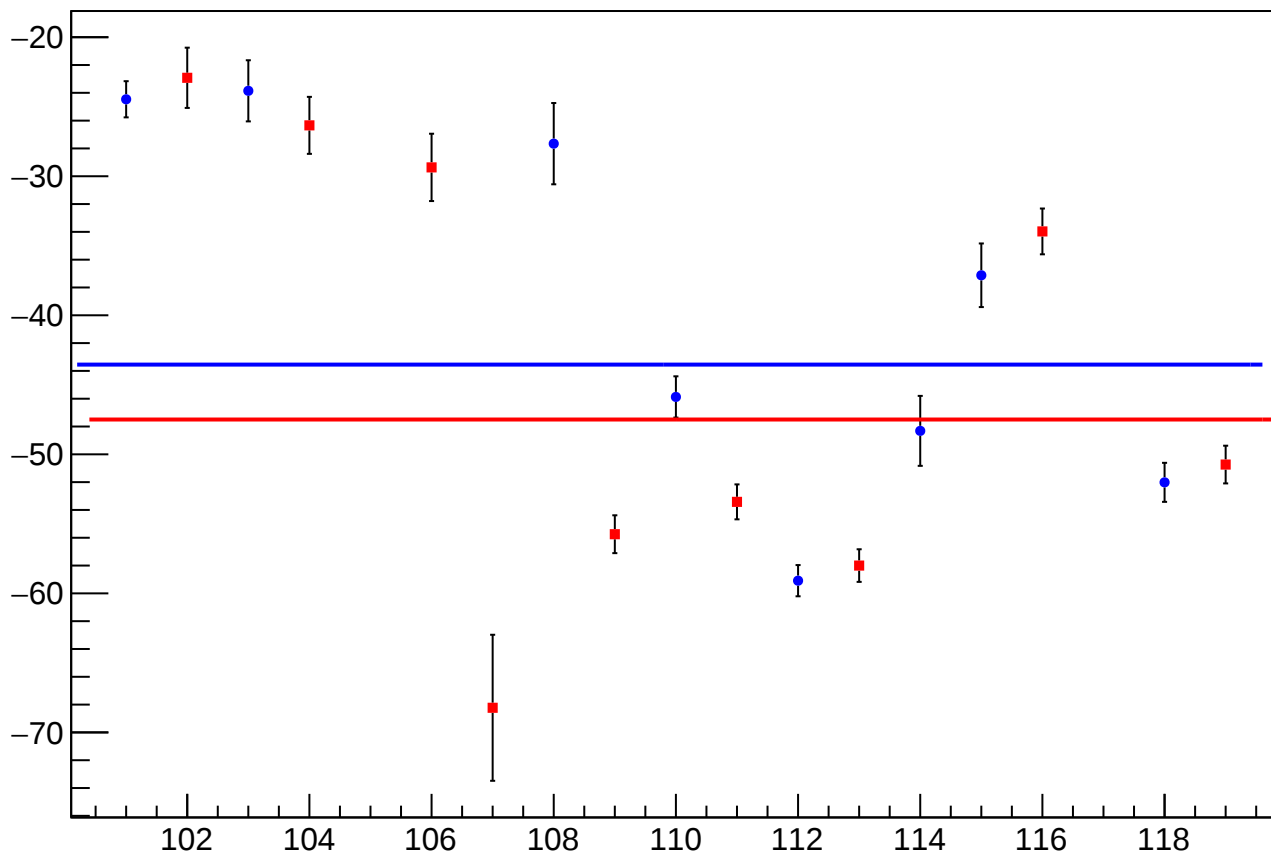
Right: -20.688 $\pm$ 0.016  $\chi^2$ /NDF: 95429.8/16

In: -19.611 $\pm$ 0.023  $\chi^2$ /NDF:13633.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -20.688 $\pm$ 0.016  $\chi^2$ /NDF: 95429.8/16

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -43.547 $\pm$ 0.576  $\chi^2$ /NDF: 566.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.496 $\pm$ 0.537  $\chi^2$ /NDF: 519.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

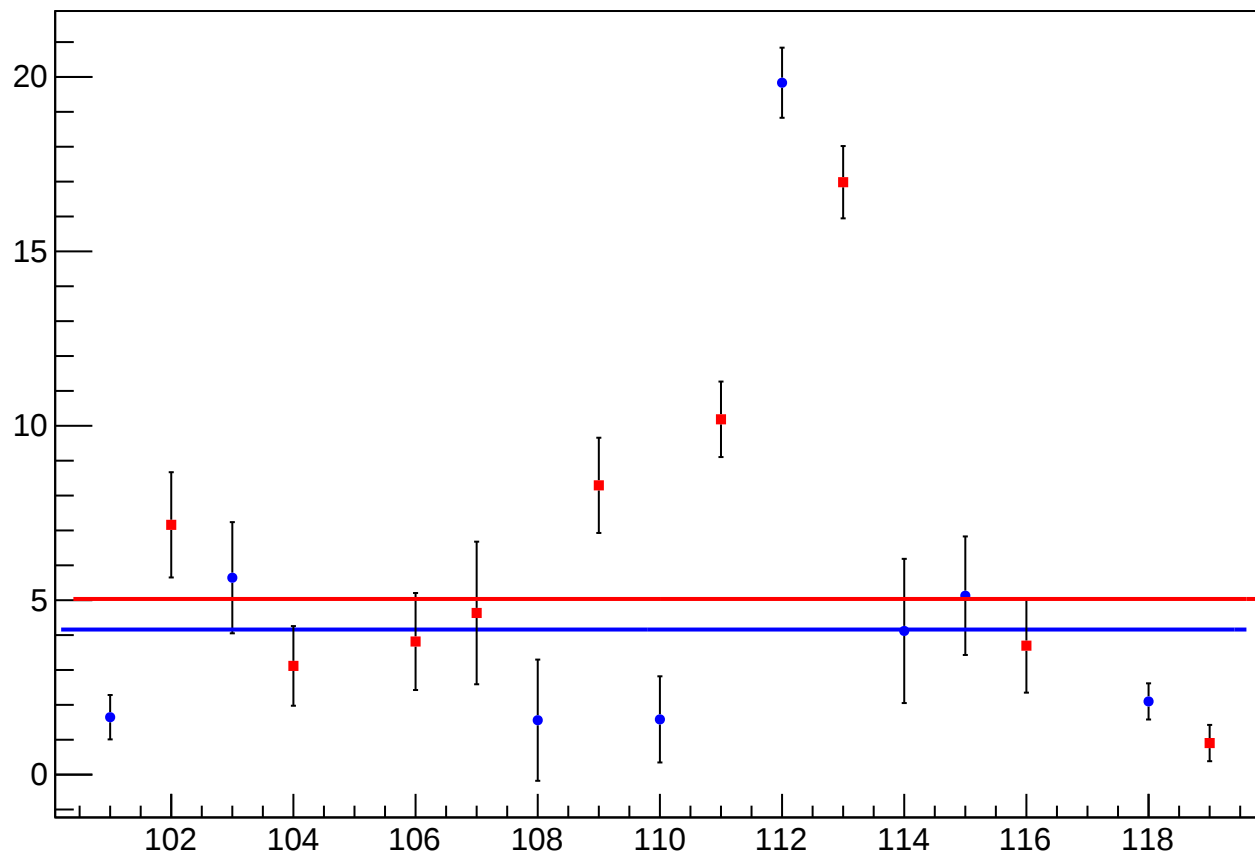
Right: -45.659 $\pm$ 0.393  $\chi^2$ /NDF: 1111.1/16

In: -43.547 $\pm$ 0.576  $\chi^2$ /NDF:566.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -45.659 $\pm$ 0.393  $\chi^2$ /NDF: 1111.1/16

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.159+/-0.331  $\chi^2/\text{NDF}$ : 282.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.036+/-0.342  $\chi^2/\text{NDF}$ : 230.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

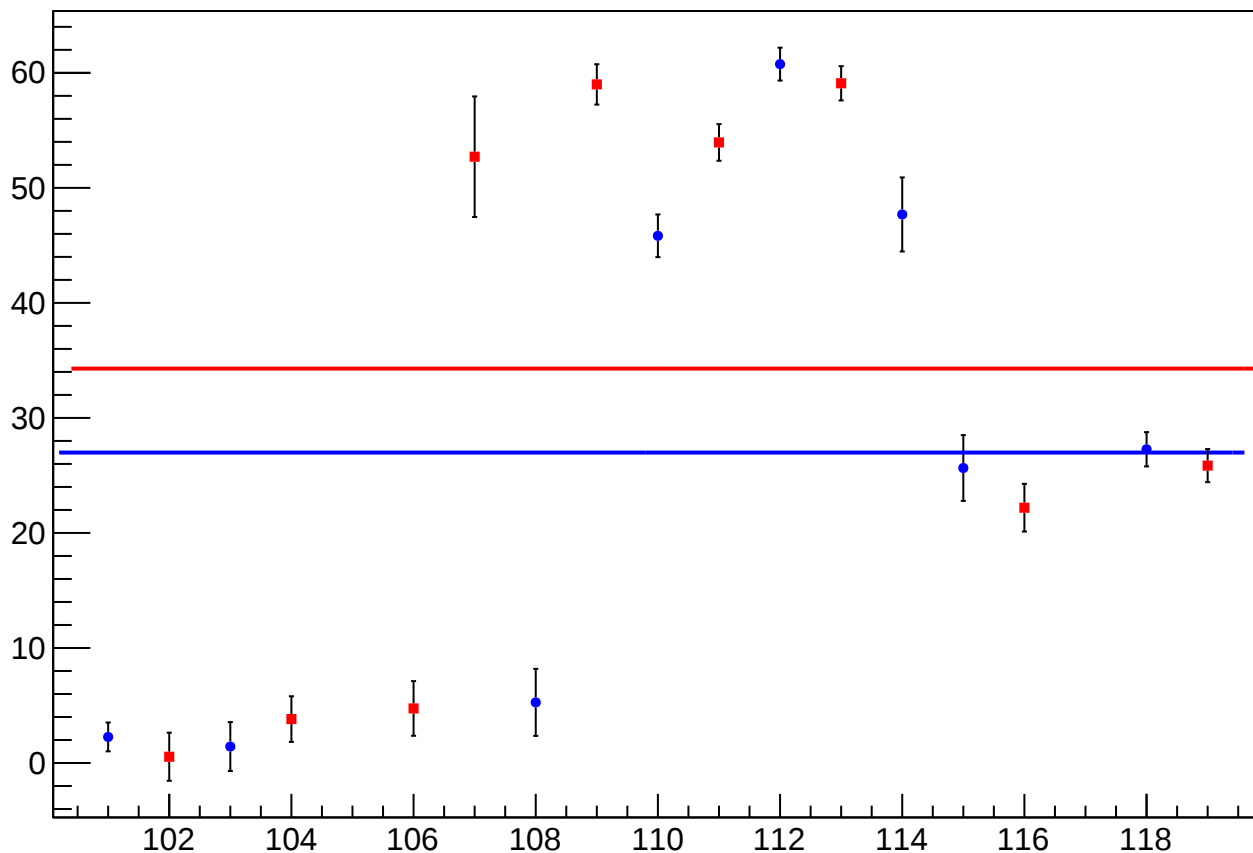
Right: 4.582+/-0.238  $\chi^2/\text{NDF}$ : 516.7/16

In: 4.159+/-0.331  $\chi^2/\text{NDF}$ : 282.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.582+/-0.238  $\chi^2/\text{NDF}$ : 516.7/16

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 26.990+/-0.642  $\chi^2/\text{NDF}$ : 1291.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 34.290+/-0.622  $\chi^2/\text{NDF}$ : 1358.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

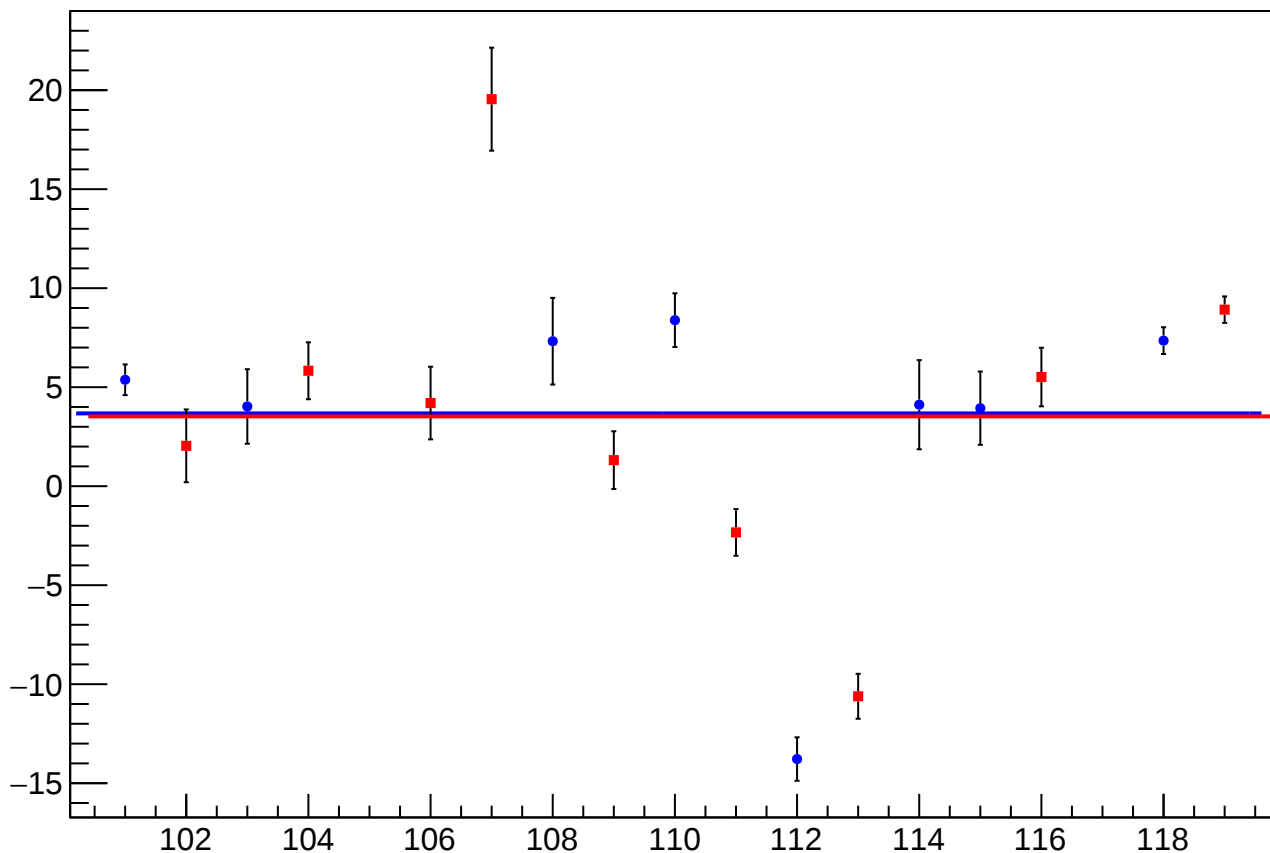
Right: 30.754+/-0.447  $\chi^2/\text{NDF}$ : 2716.4/16

In: 26.990+/-0.642  $\chi^2/\text{NDF}$ : 1291.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.754+/-0.447  $\chi^2/\text{NDF}$ : 2716.4/16

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.676+/-0.401  $\chi^2/\text{NDF}$ : 301.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 3.525+/-0.412  $\chi^2/\text{NDF}$ : 290.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

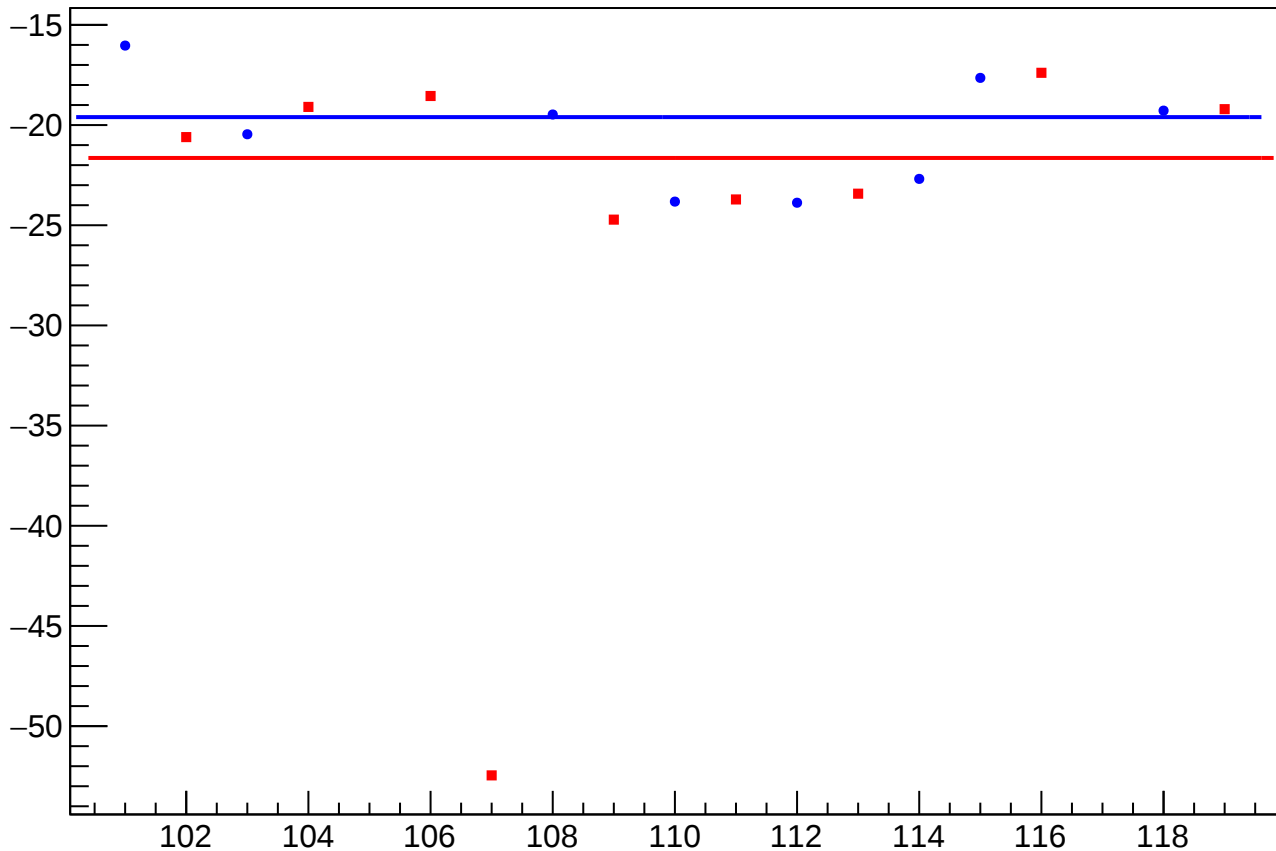
Right: 3.602+/-0.288  $\chi^2/\text{NDF}$ : 592.1/16

In: 3.676+/-0.401  $\chi^2/\text{NDF}$ :301.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 3.602+/-0.288  $\chi^2/\text{NDF}$ : 592.1/16

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.603 $\pm$ 0.023  $\chi^2$ /NDF: 13611.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -21.641 $\pm$ 0.022  $\chi^2$ /NDF: 77742.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

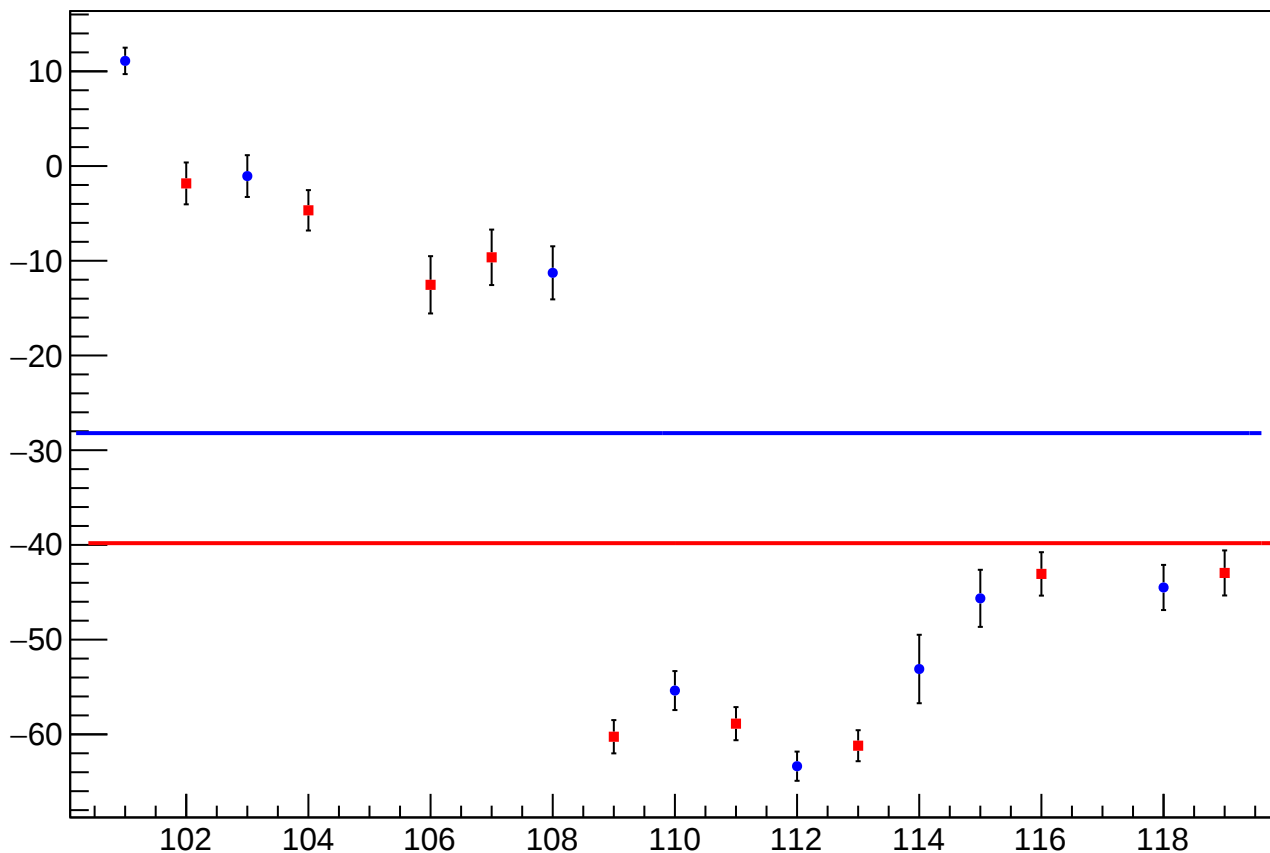
Right: -20.677 $\pm$ 0.016  $\chi^2$ /NDF: 95471.6/16

In: -19.603 $\pm$ 0.023  $\chi^2$ /NDF:13611.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -20.677 $\pm$ 0.016  $\chi^2$ /NDF: 95471.6/16

reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-28.197 \pm 0.732$   $\chi^2/\text{NDF}: 1803.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-39.816 \pm 0.700$   $\chi^2/\text{NDF}: 1182.9/8$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

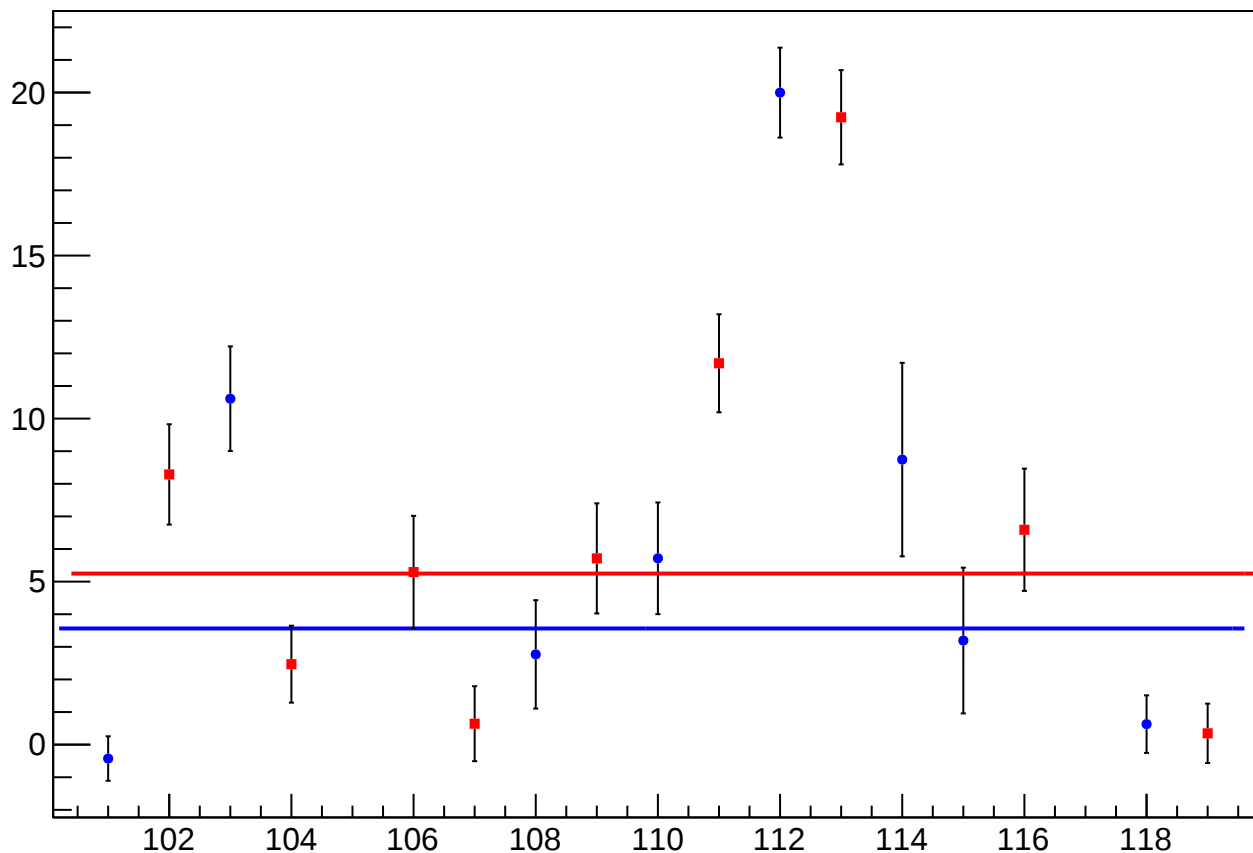
Right:  $-34.267 \pm 0.506$   $\chi^2/\text{NDF}: 3118.5/16$

In:  $-28.197 \pm 0.732$   $\chi^2/\text{NDF}: 1803.9/7$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-34.267 \pm 0.506$   $\chi^2/\text{NDF}: 3118.5/16$

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.563+/-0.432  $\chi^2/\text{NDF}$ : 211.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.247+/-0.447  $\chi^2/\text{NDF}$ : 167.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

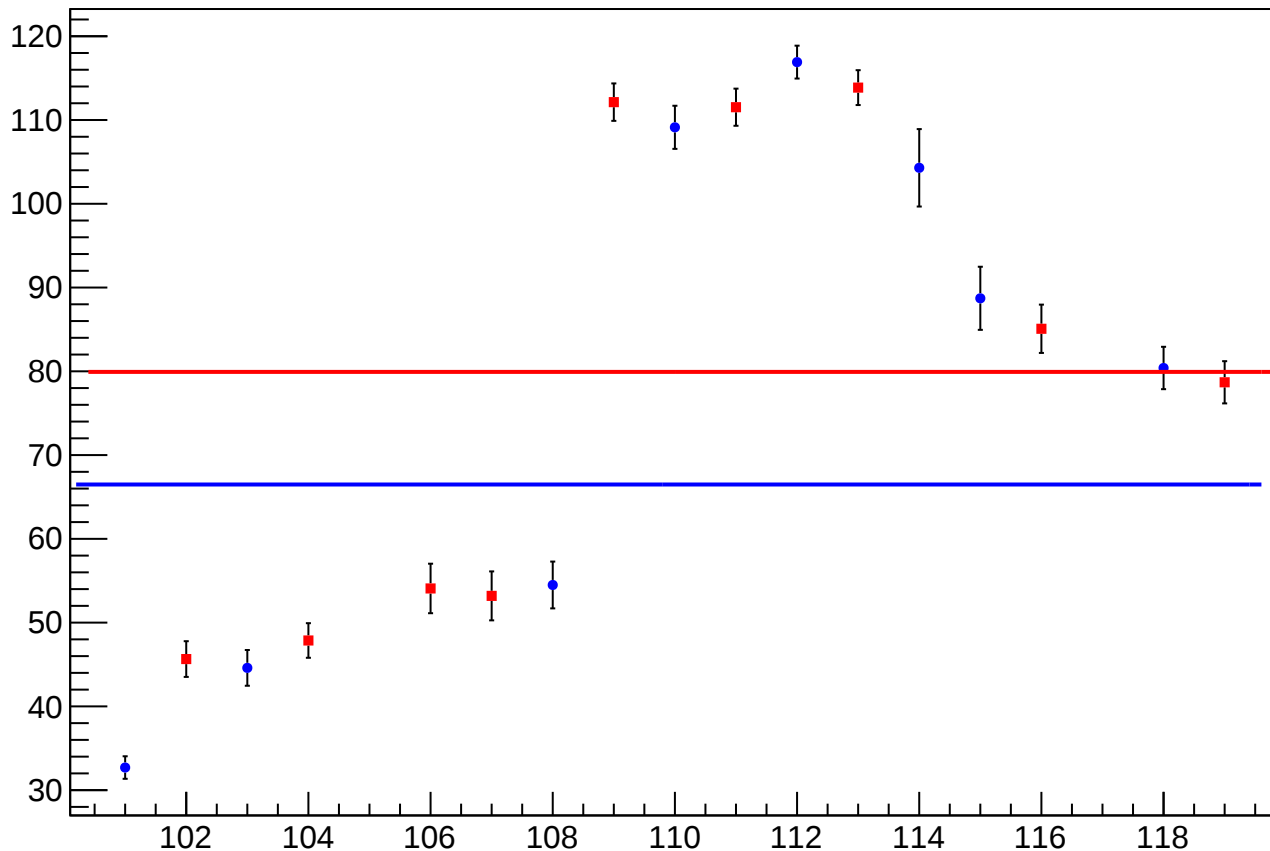
Right: 4.375+/-0.311  $\chi^2/\text{NDF}$ : 385.9/16

In: 3.563+/-0.432  $\chi^2/\text{NDF}$ : 211.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.375+/-0.311  $\chi^2/\text{NDF}$ : 385.9/16

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 66.487+/-0.794  $\chi^2/\text{NDF}$ : 1822.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.931+/-0.791  $\chi^2/\text{NDF}$ : 1340.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

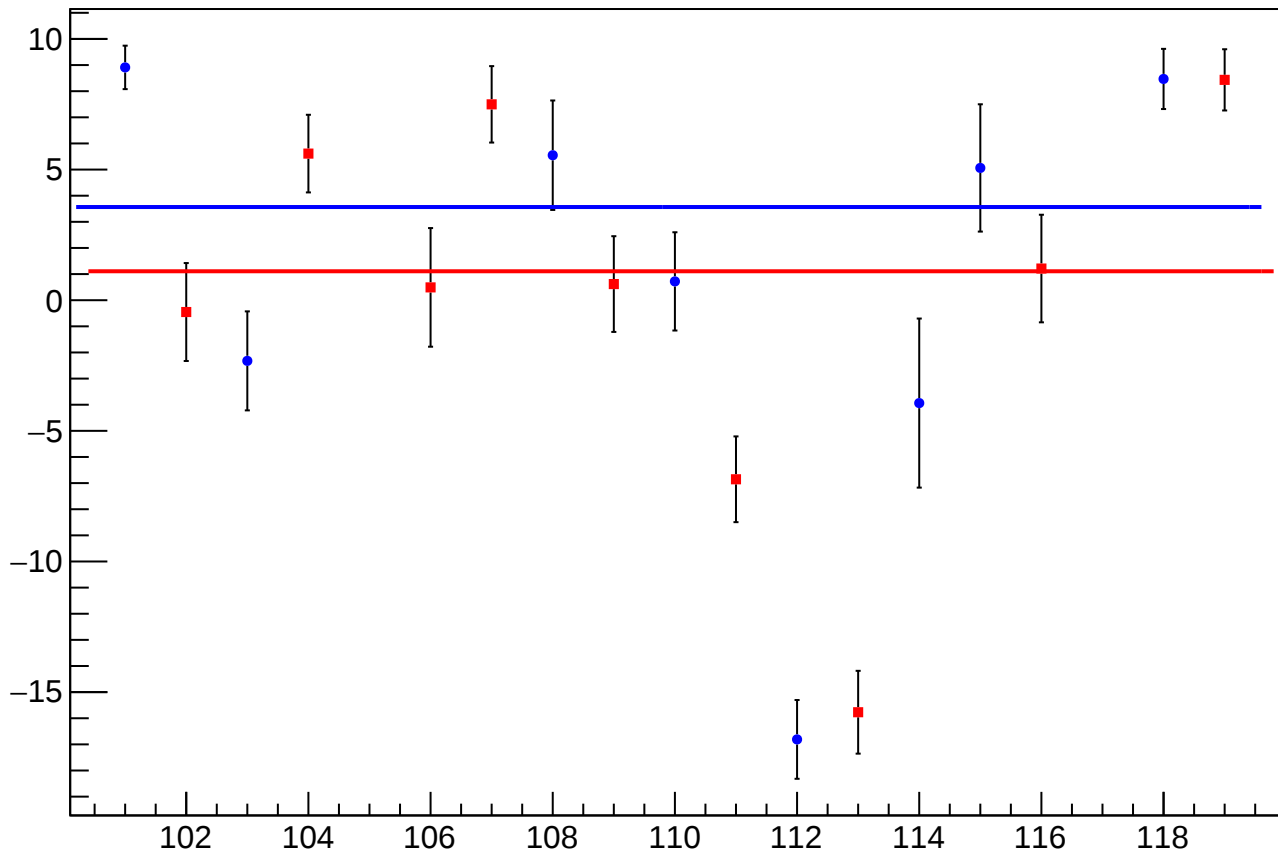
Right: 73.237+/-0.560  $\chi^2/\text{NDF}$ : 3305.9/16

In: 66.487+/-0.794  $\chi^2/\text{NDF}$ : 1822.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 73.237+/-0.560  $\chi^2/\text{NDF}$ : 3305.9/16

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.567 $\pm$ 0.520  $\chi^2$ /NDF: 260.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.108 $\pm$ 0.540  $\chi^2$ /NDF: 205.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

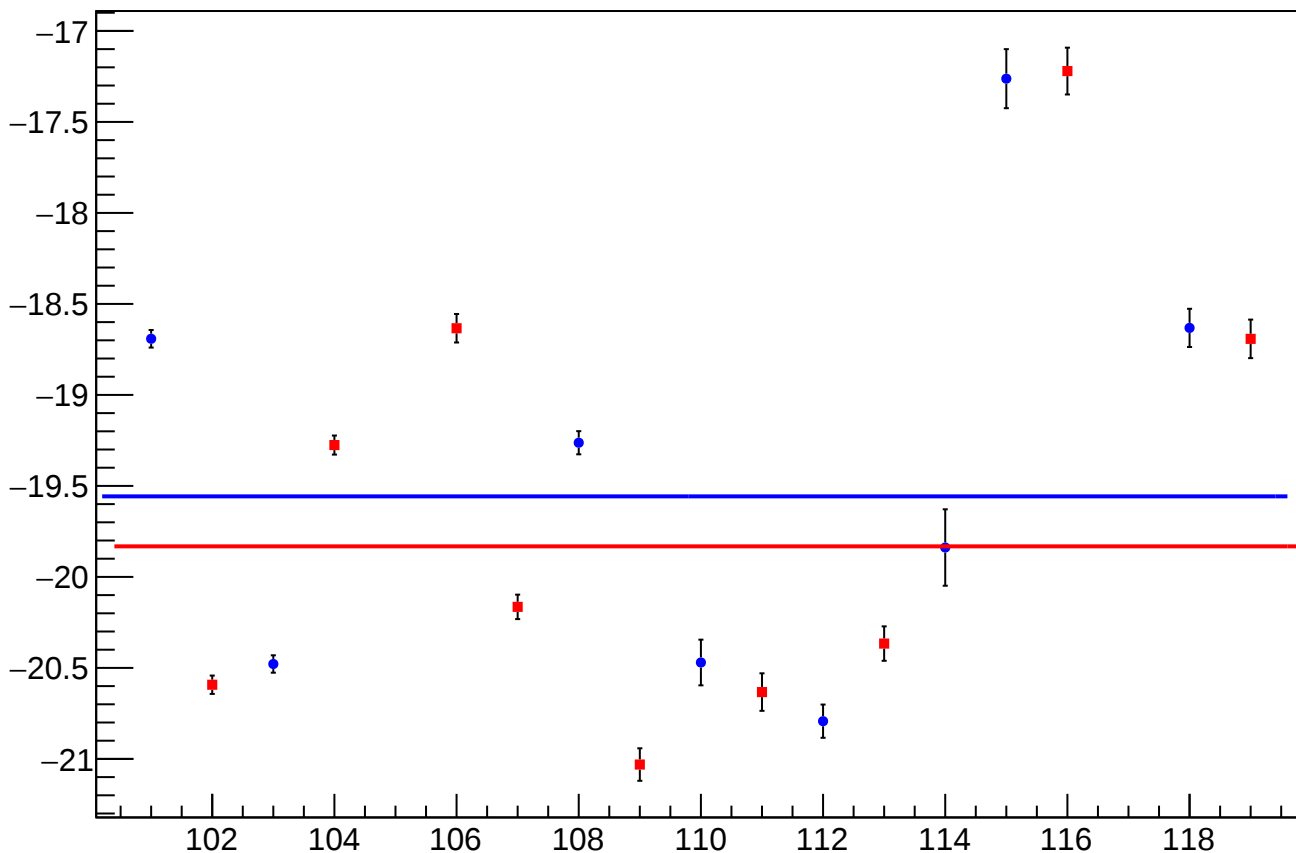
Right: 2.382 $\pm$ 0.375  $\chi^2$ /NDF: 476.6/16

In: 3.567 $\pm$ 0.520  $\chi^2$ /NDF:260.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.382 $\pm$ 0.375  $\chi^2$ /NDF: 476.6/16

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.557 $\pm$ 0.026  $\chi^2$ /NDF: 1228.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -19.832 $\pm$ 0.025  $\chi^2$ /NDF: 1399.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

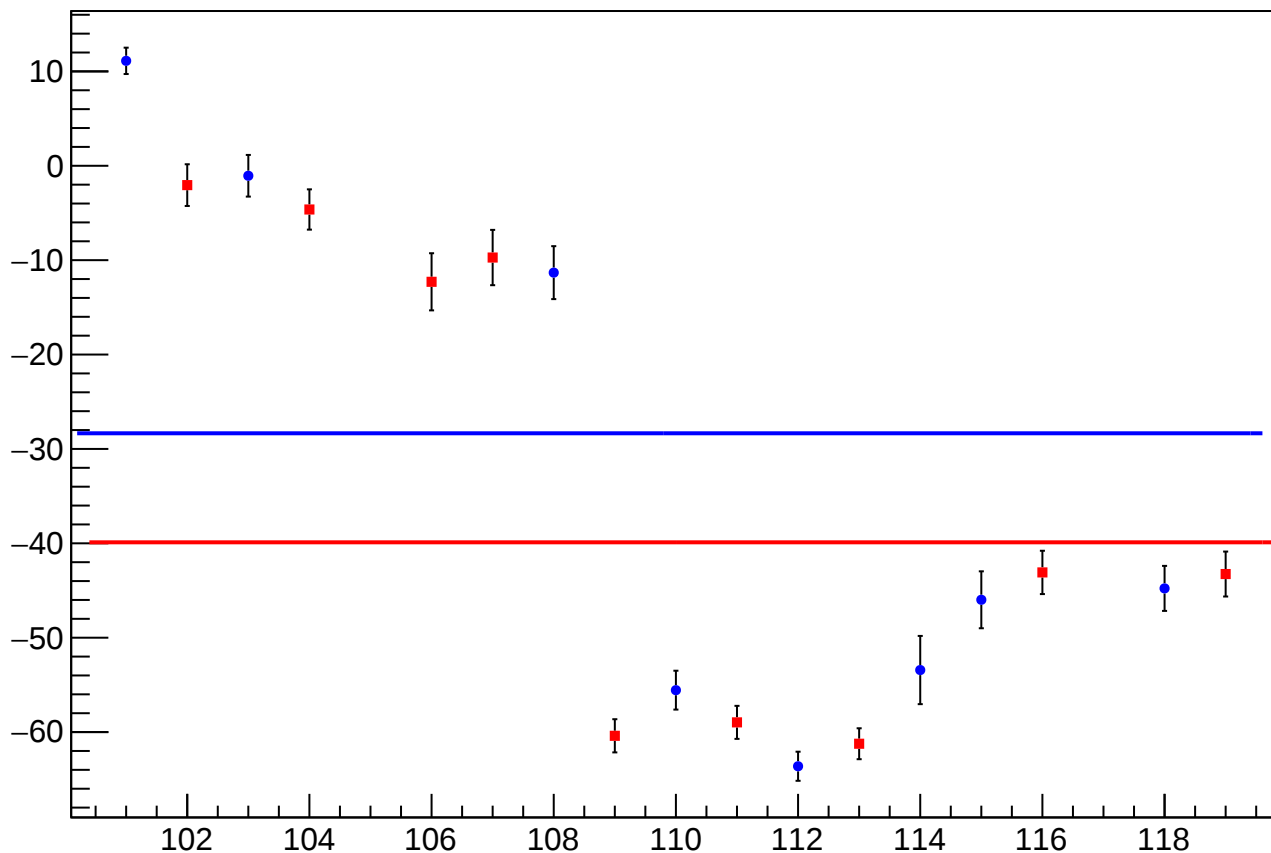
Right: -19.703 $\pm$ 0.018  $\chi^2$ /NDF: 2685.7/16

In: -19.557 $\pm$ 0.026  $\chi^2$ /NDF:1228.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.703 $\pm$ 0.018  $\chi^2$ /NDF: 2685.7/16

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-28.342 \pm 0.732$   $\chi^2/\text{NDF}$ : 1816.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.894 \pm 0.700$   $\chi^2/\text{NDF}$ : 1183.9/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

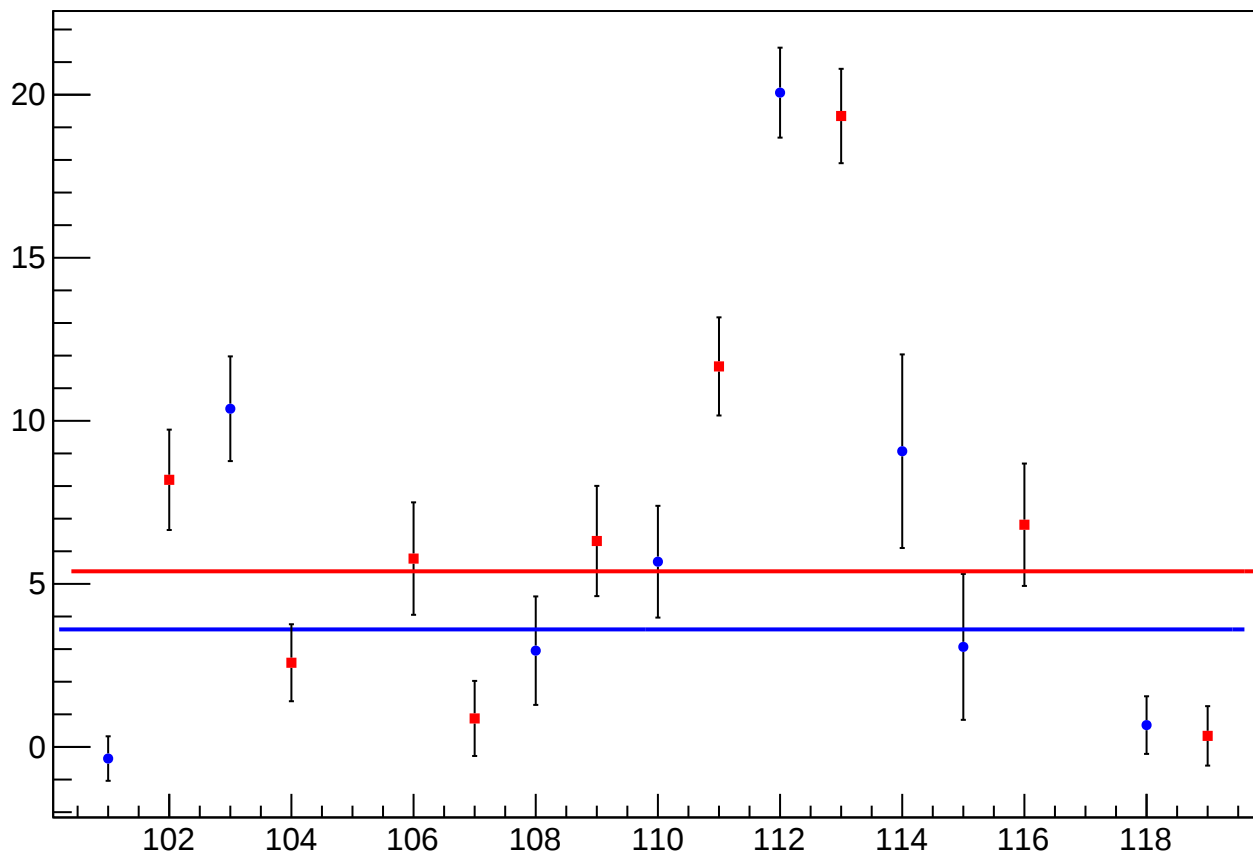
Right:  $-34.376 \pm 0.506$   $\chi^2/\text{NDF}$ : 3130.7/16

In:  $-28.342 \pm 0.732$   $\chi^2/\text{NDF}$ : 1816.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-34.376 \pm 0.506$   $\chi^2/\text{NDF}$ : 3130.7/16

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.604+/-0.432  $\chi^2/\text{NDF}$ : 209.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.386+/-0.448  $\chi^2/\text{NDF}$ : 166.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

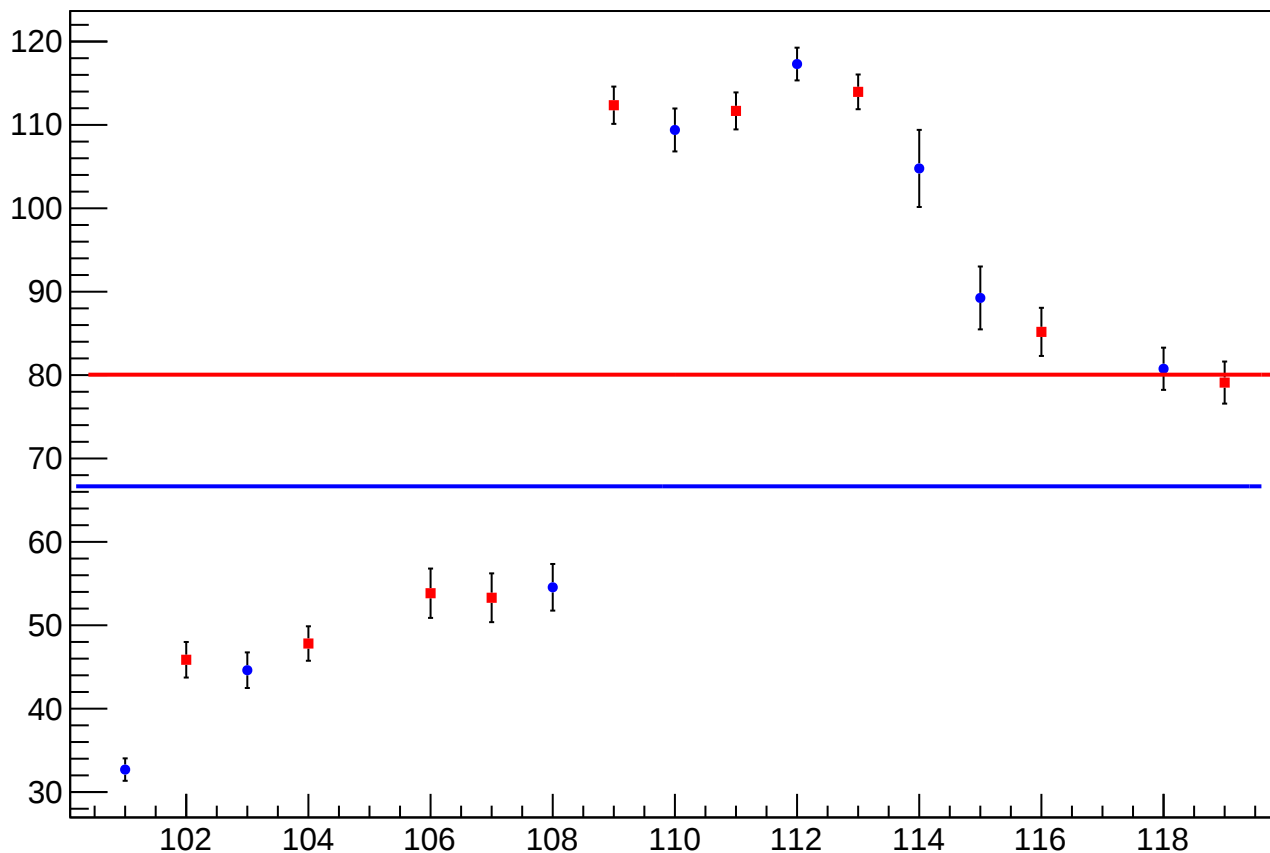
Right: 4.463+/-0.311  $\chi^2/\text{NDF}$ : 384.6/16

In: 3.604+/-0.432  $\chi^2/\text{NDF}$ : 209.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.463+/-0.311  $\chi^2/\text{NDF}$ : 384.6/16

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 66.662 $\pm$ 0.795  $\chi^2$ /NDF: 1839.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 80.051 $\pm$ 0.791  $\chi^2$ /NDF: 1343.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

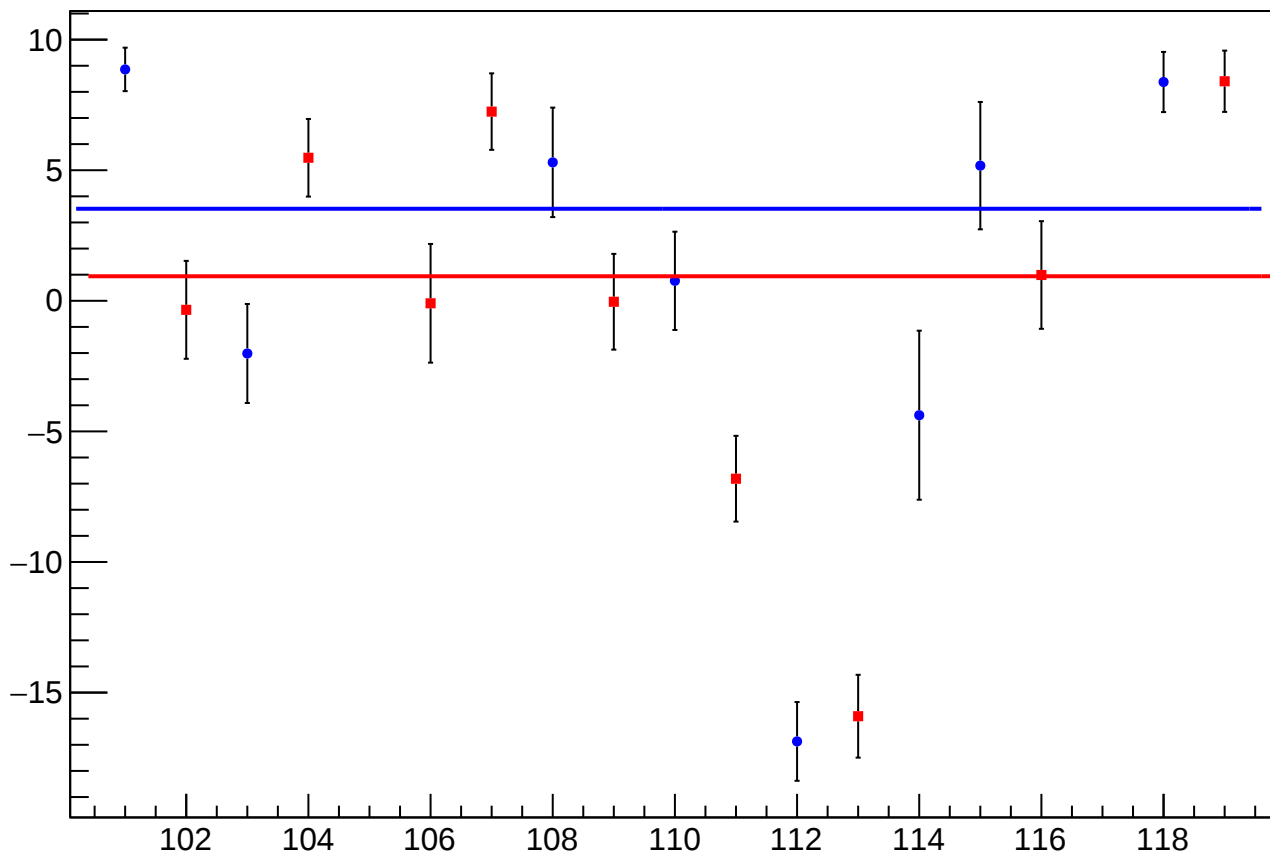
Right: 73.383 $\pm$ 0.561  $\chi^2$ /NDF: 3324.7/16

In: 66.662 $\pm$ 0.795  $\chi^2$ /NDF:1839.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 73.383 $\pm$ 0.561  $\chi^2$ /NDF: 3324.7/16

reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.525+/-0.521  $\chi^2/\text{NDF}$ : 259.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.940+/-0.540  $\chi^2/\text{NDF}$ : 204.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

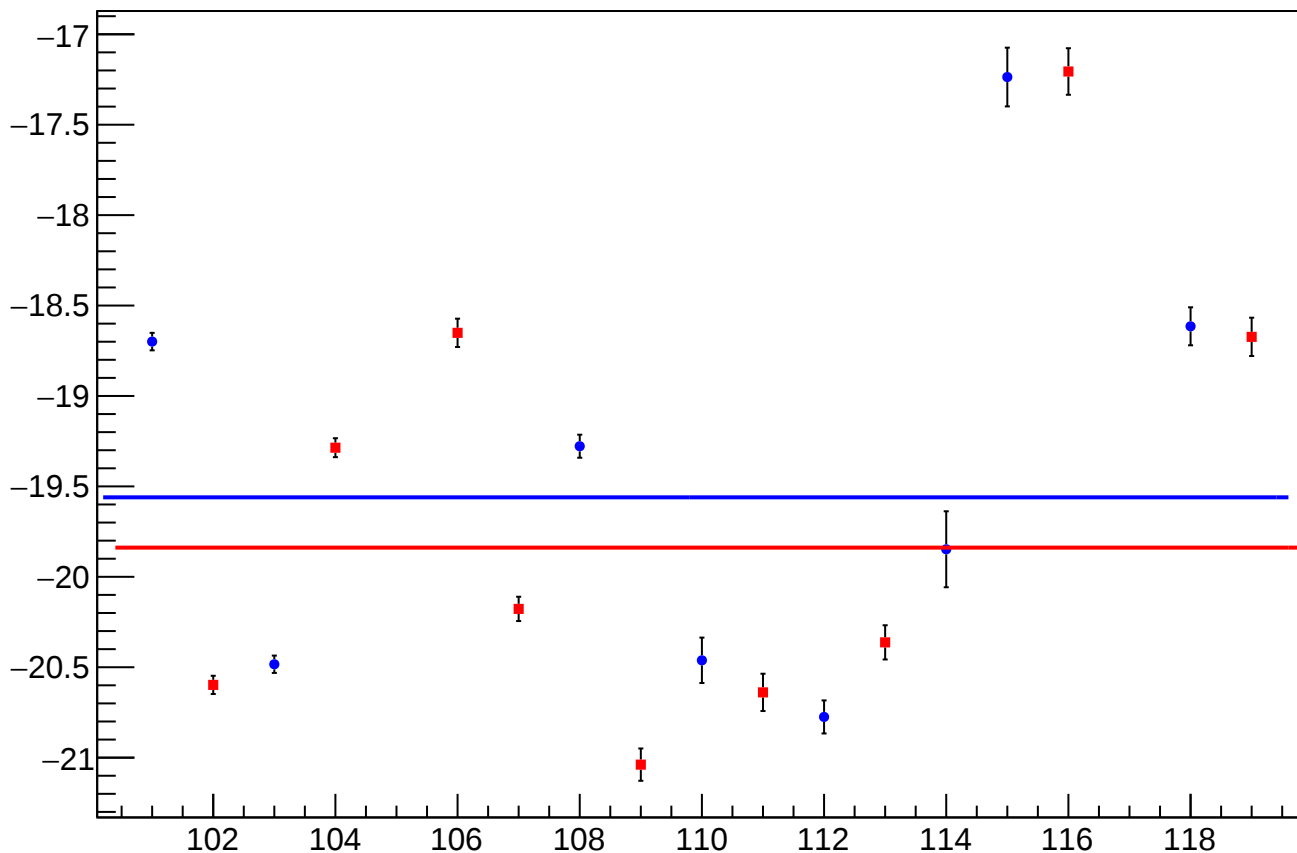
Right: 2.280+/-0.375  $\chi^2/\text{NDF}$ : 475.9/16

In: 3.525+/-0.521  $\chi^2/\text{NDF}$ : 259.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.280+/-0.375  $\chi^2/\text{NDF}$ : 475.9/16

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.560 $\pm$ 0.026  $\chi^2$ /NDF: 1224.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -19.839 $\pm$ 0.025  $\chi^2$ /NDF: 1403.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

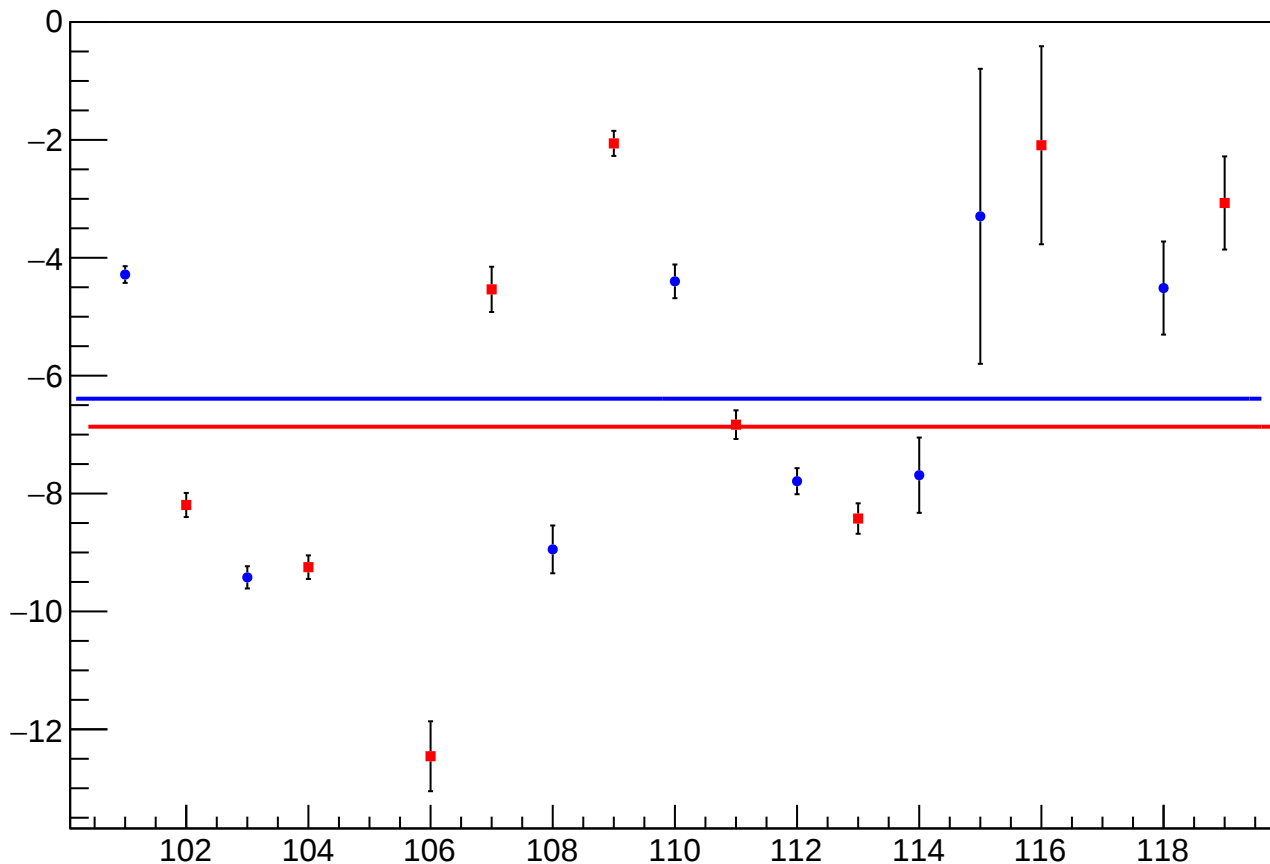
Right: -19.708 $\pm$ 0.018  $\chi^2$ /NDF: 2686.6/16

In: -19.560 $\pm$ 0.026  $\chi^2$ /NDF:1224.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.708 $\pm$ 0.018  $\chi^2$ /NDF: 2686.6/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.391+/-0.091  $\chi^2/\text{NDF}$ : 619.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.866+/-0.093  $\chi^2/\text{NDF}$ : 888.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

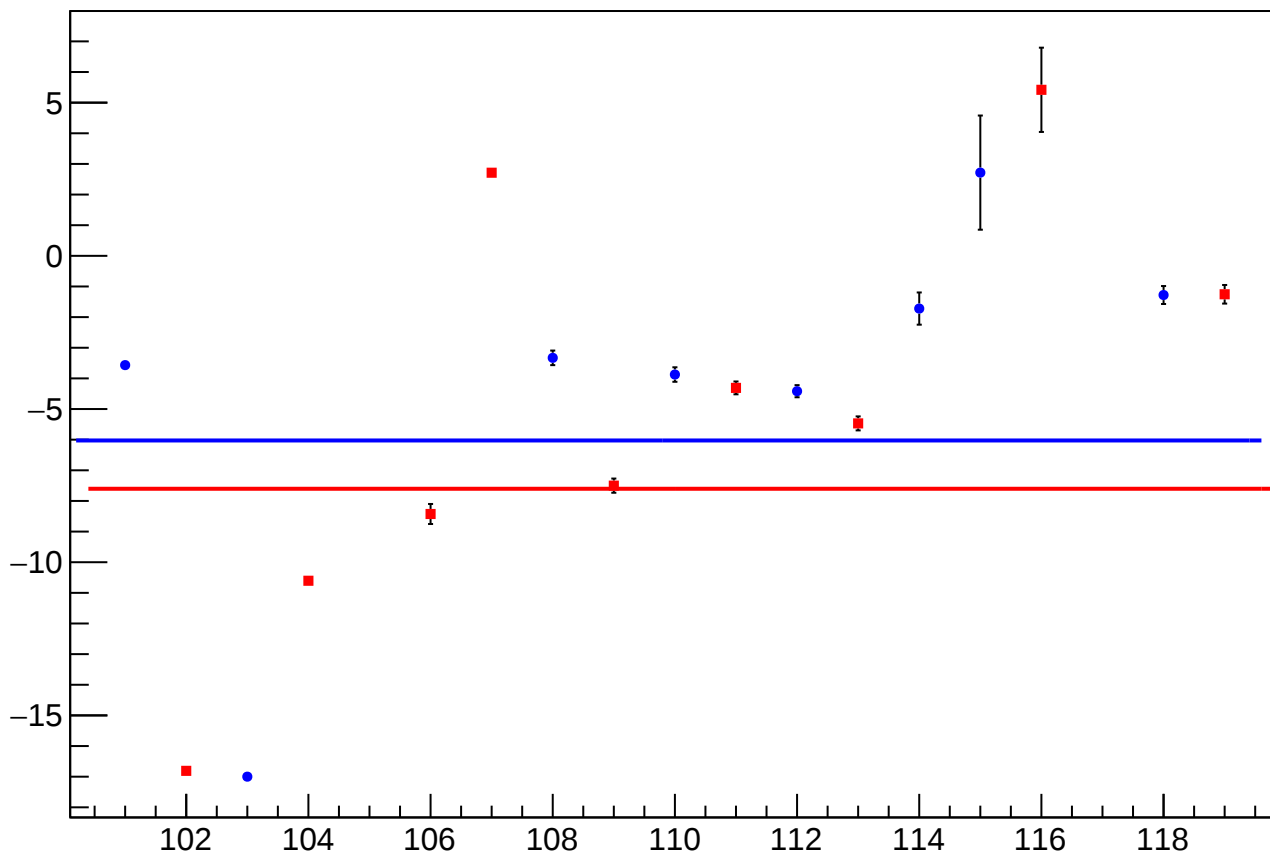
Right: -6.622+/-0.065  $\chi^2/\text{NDF}$ : 1521.8/16

In: -6.391+/-0.091  $\chi^2/\text{NDF}$ : 619.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.622+/-0.065  $\chi^2/\text{NDF}$ : 1521.8/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.026+/-0.058  $\chi^2/\text{NDF}$ : 8227.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.603+/-0.065  $\chi^2/\text{NDF}$ : 9904.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

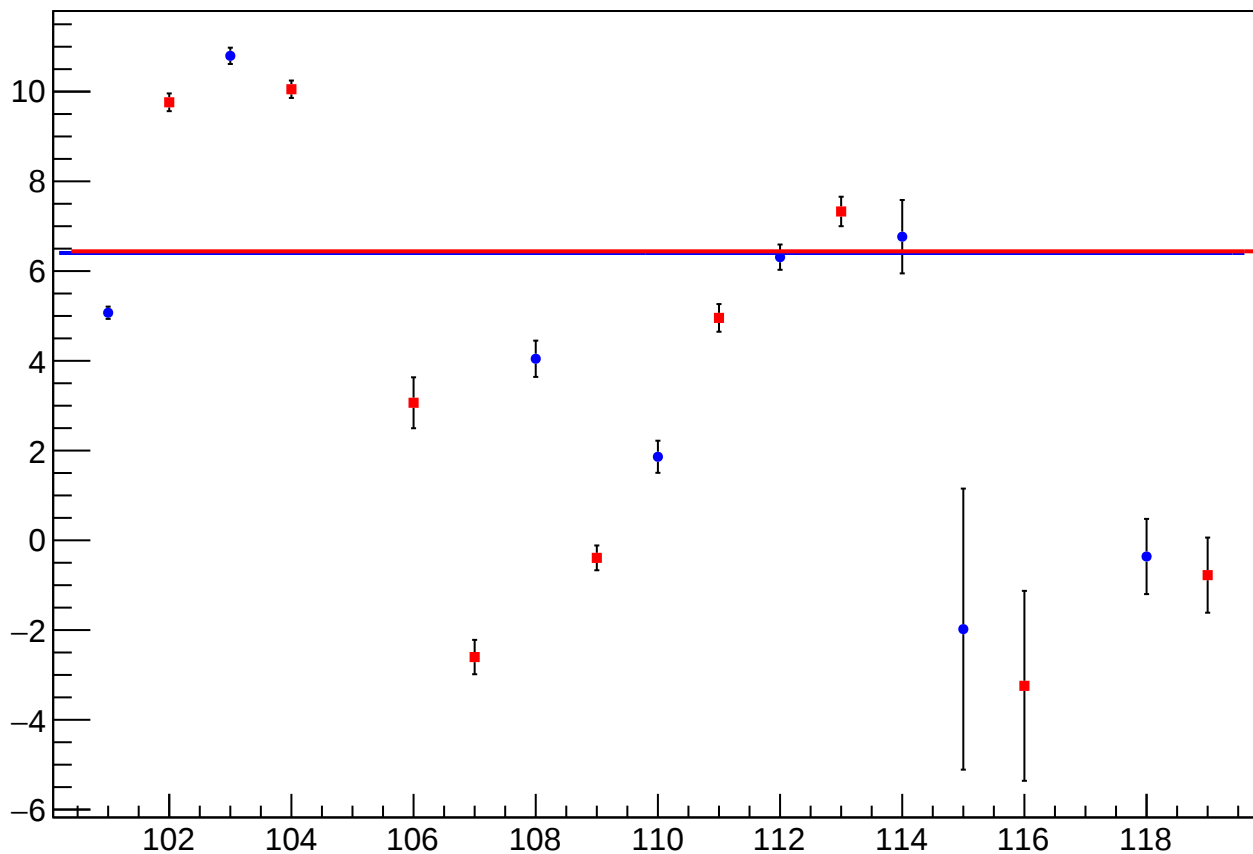
Right: -6.729+/-0.043  $\chi^2/\text{NDF}$ : 18458.3/16

In: -6.026+/-0.058  $\chi^2/\text{NDF}$ : 8227.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.729+/-0.043  $\chi^2/\text{NDF}$ : 18458.3/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.403+/-0.094  $\chi^2/\text{NDF}$ : 944.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.440+/-0.102  $\chi^2/\text{NDF}$ : 1959.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

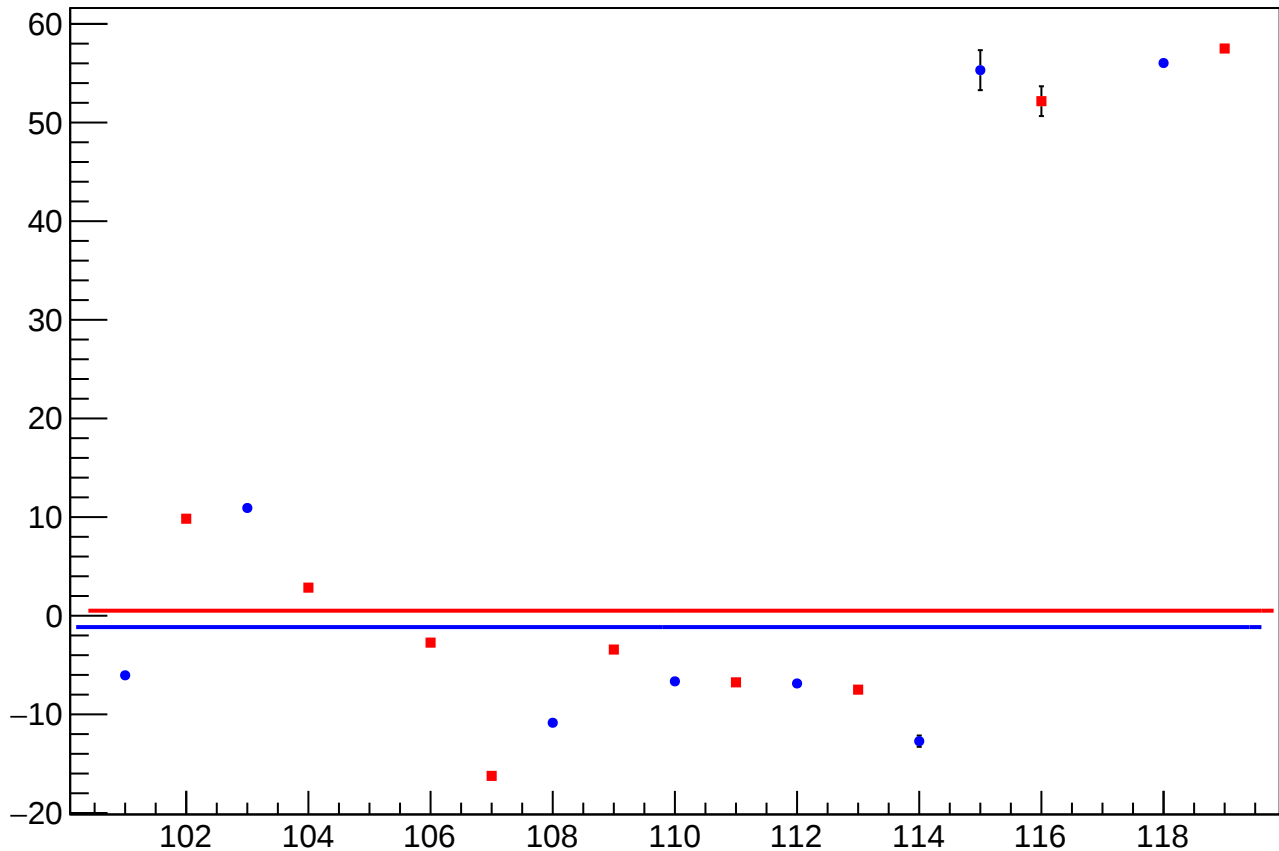
Right: 6.420+/-0.069  $\chi^2/\text{NDF}$ : 2904.5/16

In: 6.403+/-0.094  $\chi^2/\text{NDF}$ : 944.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.420+/-0.069  $\chi^2/\text{NDF}$ : 2904.5/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.152+/-0.070  $\chi^2/\text{NDF}$ : 34250.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.511+/-0.078  $\chi^2/\text{NDF}$ : 35284.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

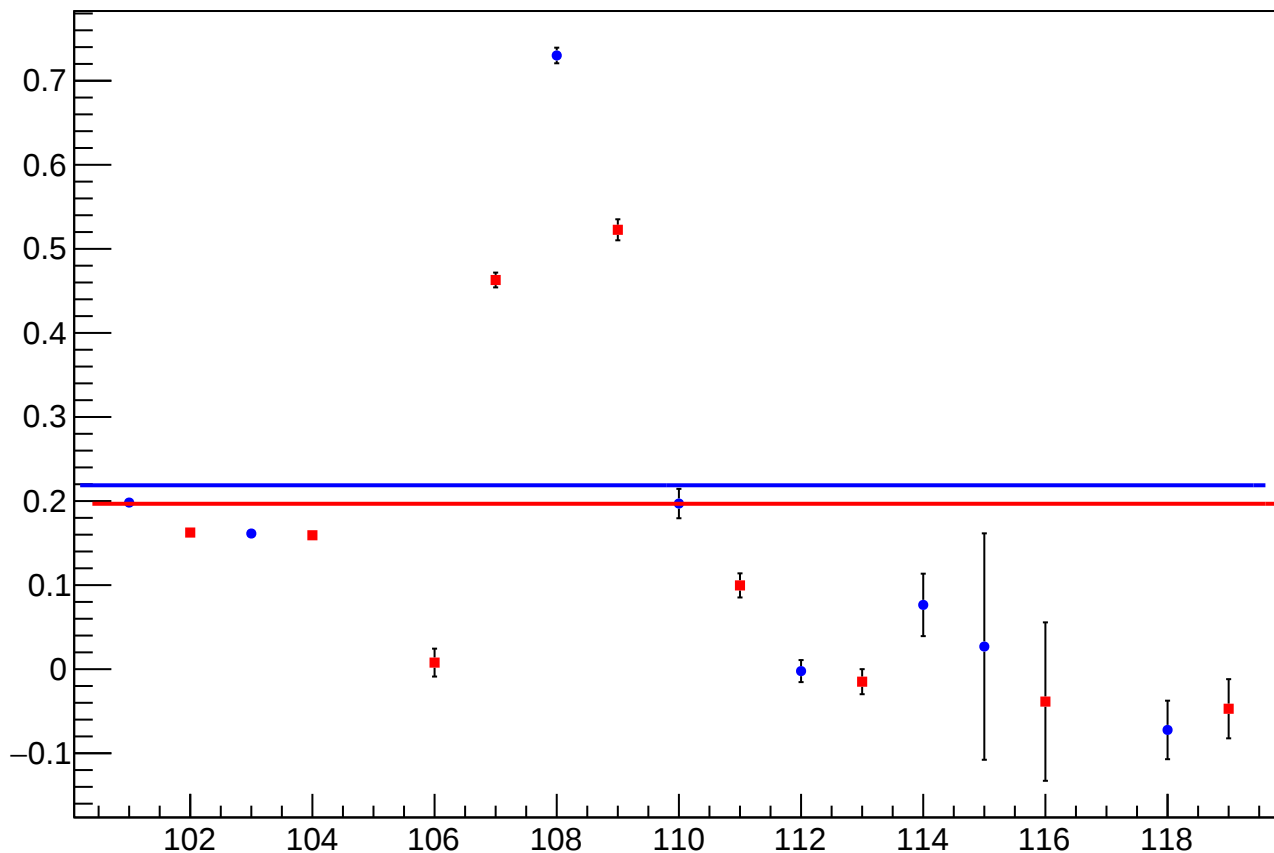
Right: -0.413+/-0.052  $\chi^2/\text{NDF}$ : 69789.6/16

In: -1.152+/-0.070  $\chi^2/\text{NDF}$ : 34250.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.413+/-0.052  $\chi^2/\text{NDF}$ : 69789.6/16

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.219+/-0.003  $\chi^2/\text{NDF}$ : 3618.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.197+/-0.003  $\chi^2/\text{NDF}$ : 2138.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

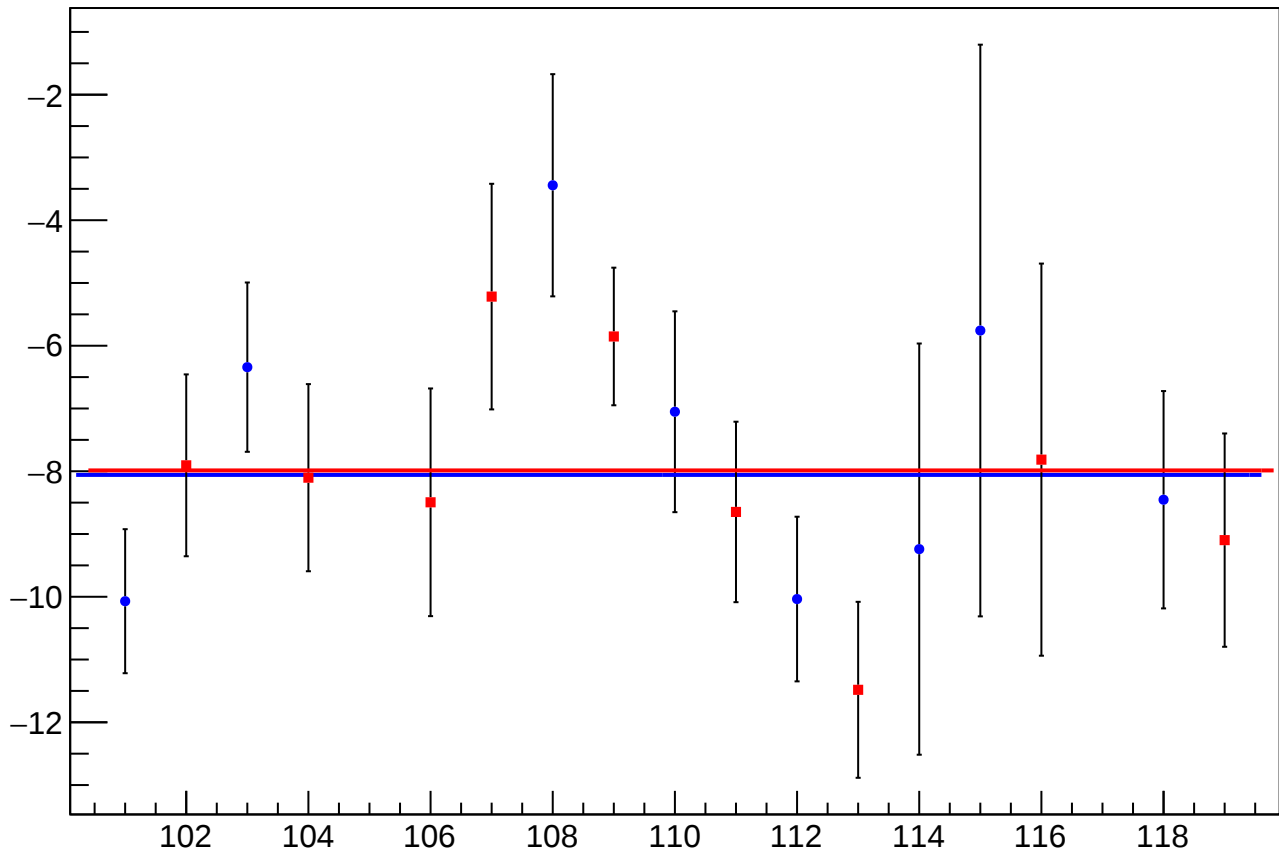
Right: 0.208+/-0.002  $\chi^2/\text{NDF}$ : 5786.2/16

In: 0.219+/-0.003  $\chi^2/\text{NDF}$ : 3618.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.208+/-0.002  $\chi^2/\text{NDF}$ : 5786.2/16

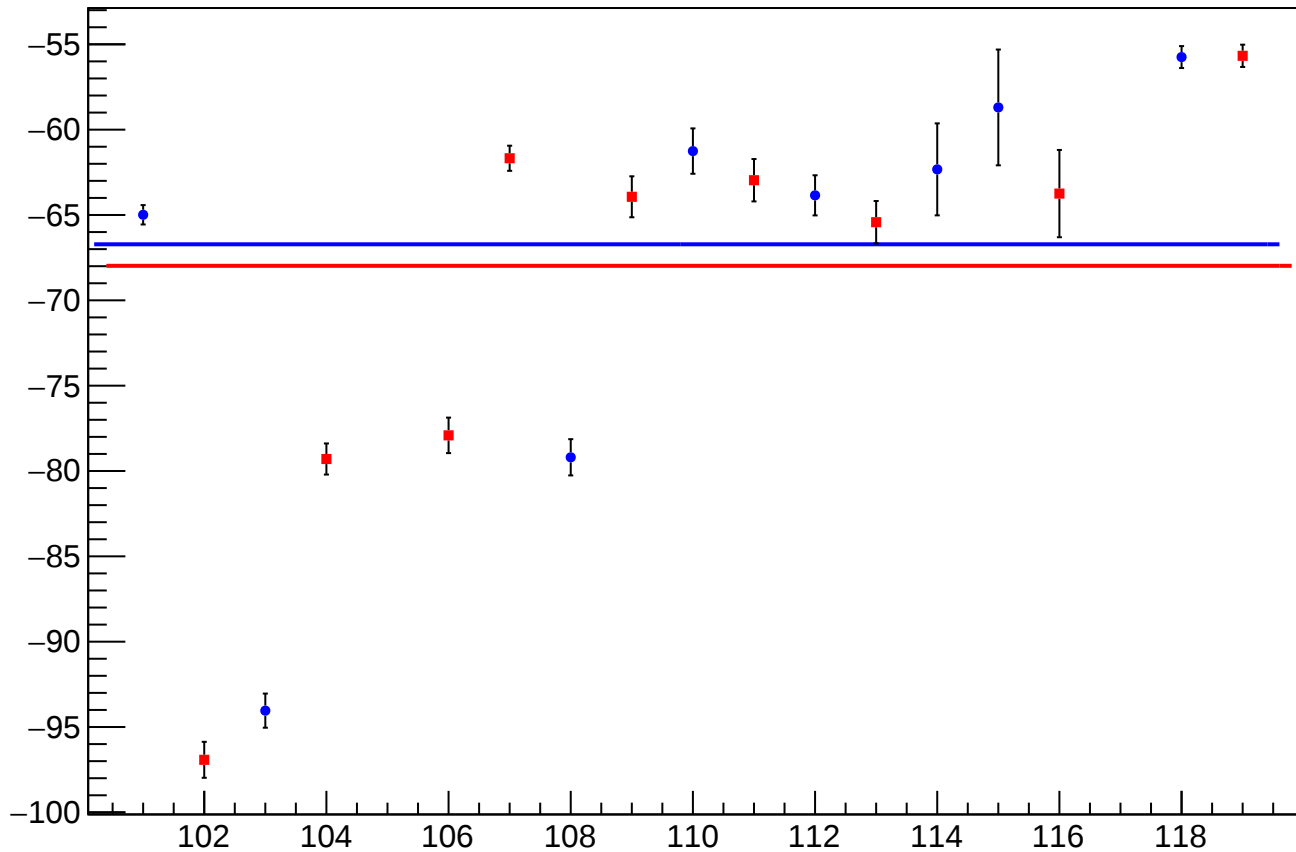
reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -8.058+/-0.570  $\chi^2/\text{NDF}$ : 14.6/7  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 Right Out: -7.987+/-0.512  $\chi^2/\text{NDF}$ : 13.1/8  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: -8.019+/-0.381  $\chi^2/\text{NDF}$ : 27.7/16  
 In: -8.058+/-0.570  $\chi^2/\text{NDF}$ :14.6/7  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 All: -8.019+/-0.381  $\chi^2/\text{NDF}$ : 27.7/16

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -66.717 $\pm$ 0.335  $\chi^2$ /NDF: 1216.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -67.977 $\pm$ 0.327  $\chi^2$ /NDF: 1463.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

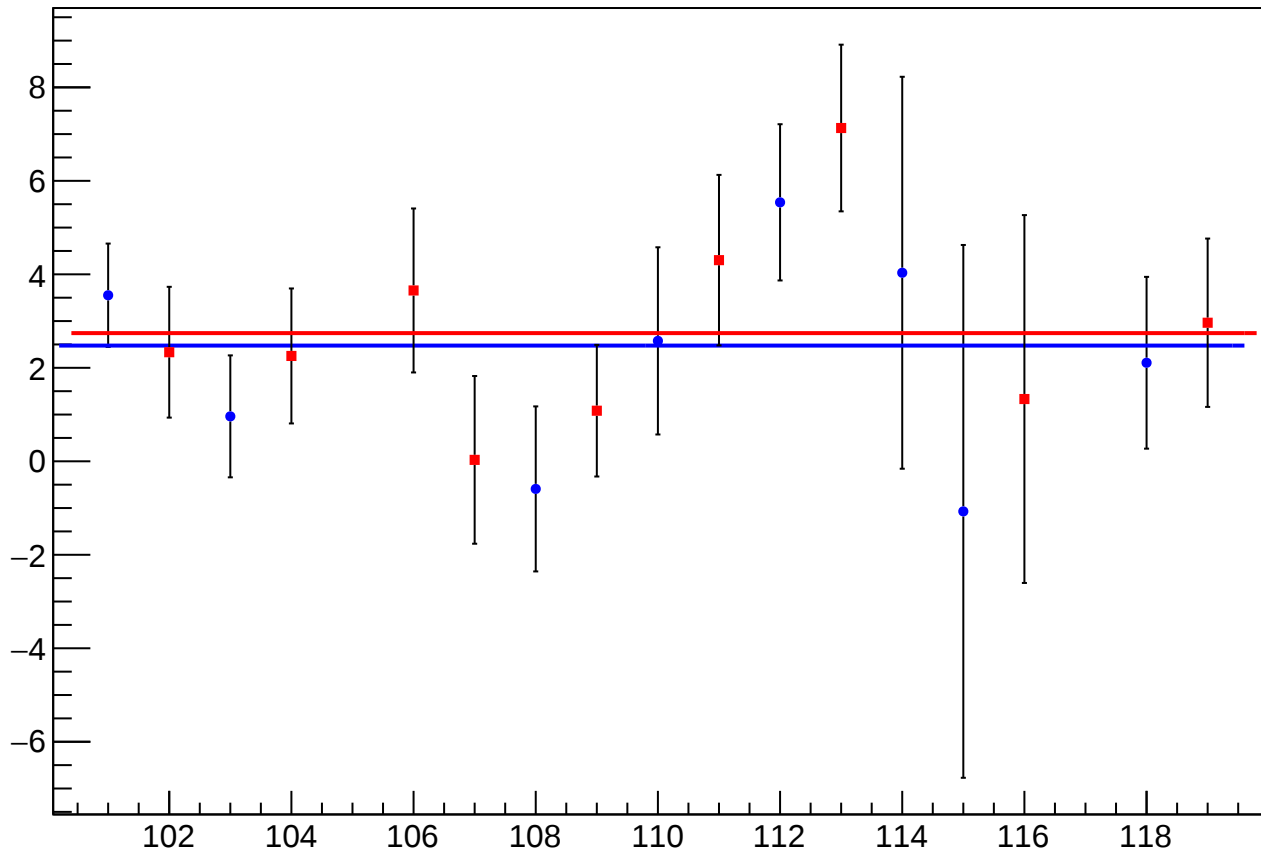
Right: -67.363 $\pm$ 0.234  $\chi^2$ /NDF: 2686.7/16

In: -66.717 $\pm$ 0.335  $\chi^2$ /NDF:1216.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -67.363 $\pm$ 0.234  $\chi^2$ /NDF: 2686.7/16

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.476 $\pm$ 0.607  $\chi^2$ /NDF: 9.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.742 $\pm$ 0.566  $\chi^2$ /NDF: 11.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

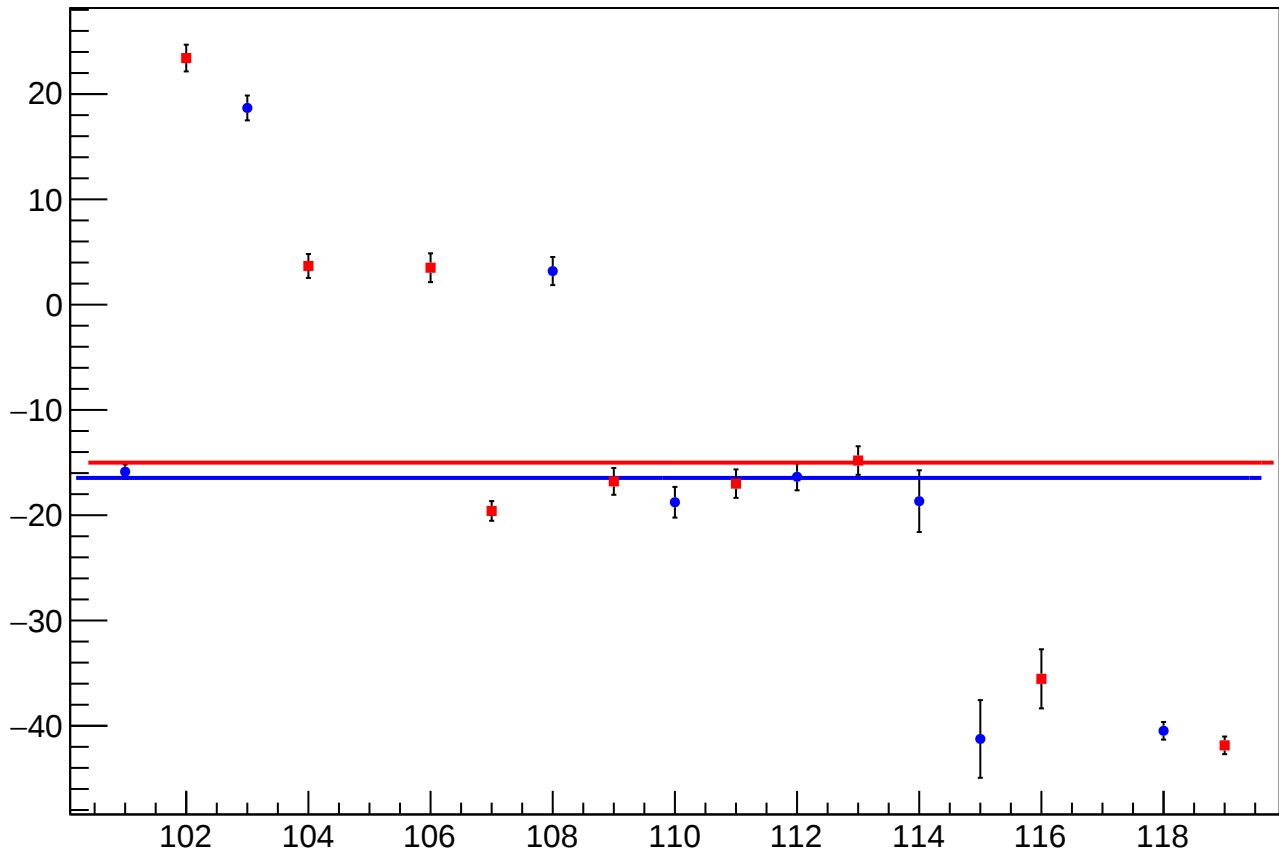
Right: 2.618 $\pm$ 0.414  $\chi^2$ /NDF: 20.4/16

In: 2.476 $\pm$ 0.607  $\chi^2$ /NDF: 9.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.618 $\pm$ 0.414  $\chi^2$ /NDF: 20.4/16

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-16.458 \pm 0.406$   $\chi^2/\text{NDF}$ : 1975.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-15.004 \pm 0.397$   $\chi^2/\text{NDF}$ : 2477.4/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

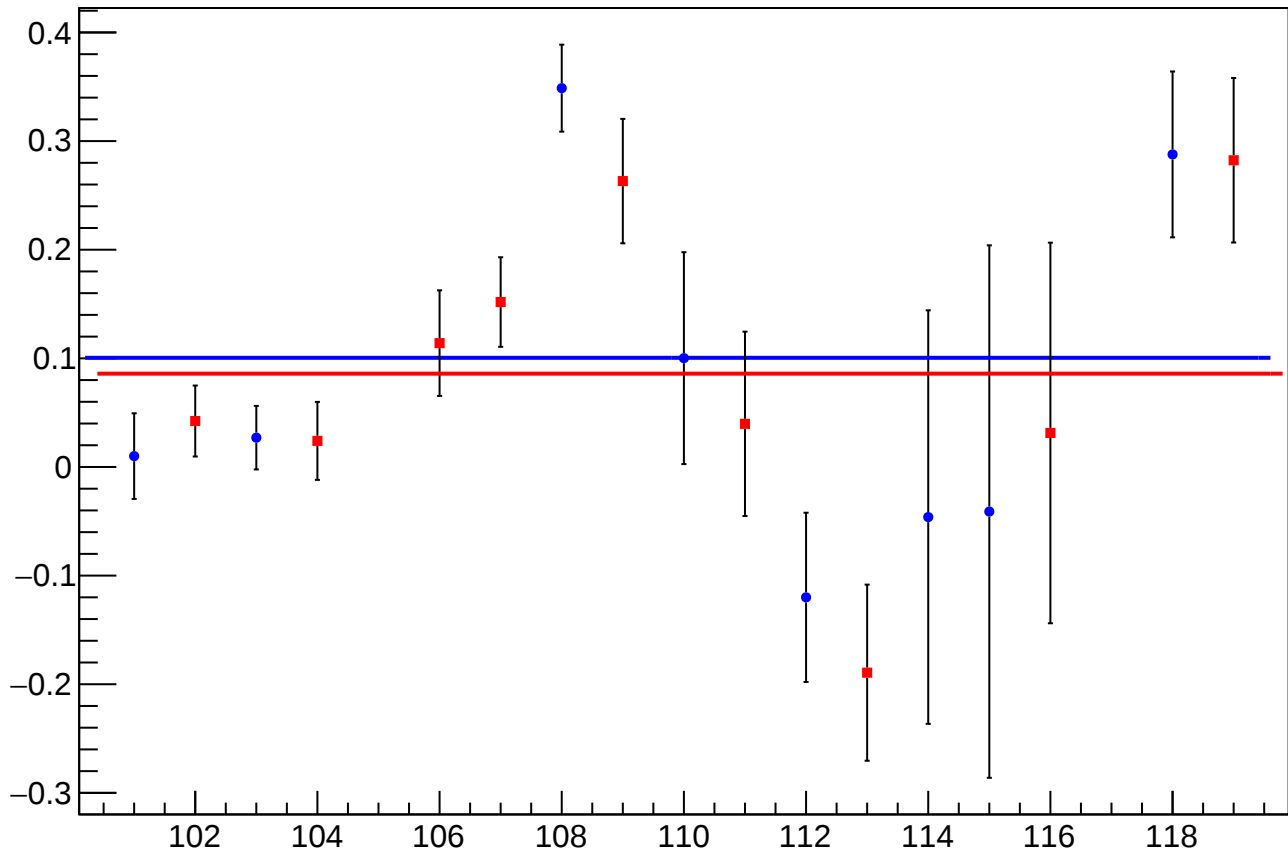
Right:  $-15.715 \pm 0.284$   $\chi^2/\text{NDF}$ : 4459.6/16

In:  $-16.458 \pm 0.406$   $\chi^2/\text{NDF}$ : 1975.7/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-15.715 \pm 0.284$   $\chi^2/\text{NDF}$ : 4459.6/16

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.101+/-0.018  $\chi^2/\text{NDF}$ : 65.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.086+/-0.017  $\chi^2/\text{NDF}$ : 35.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

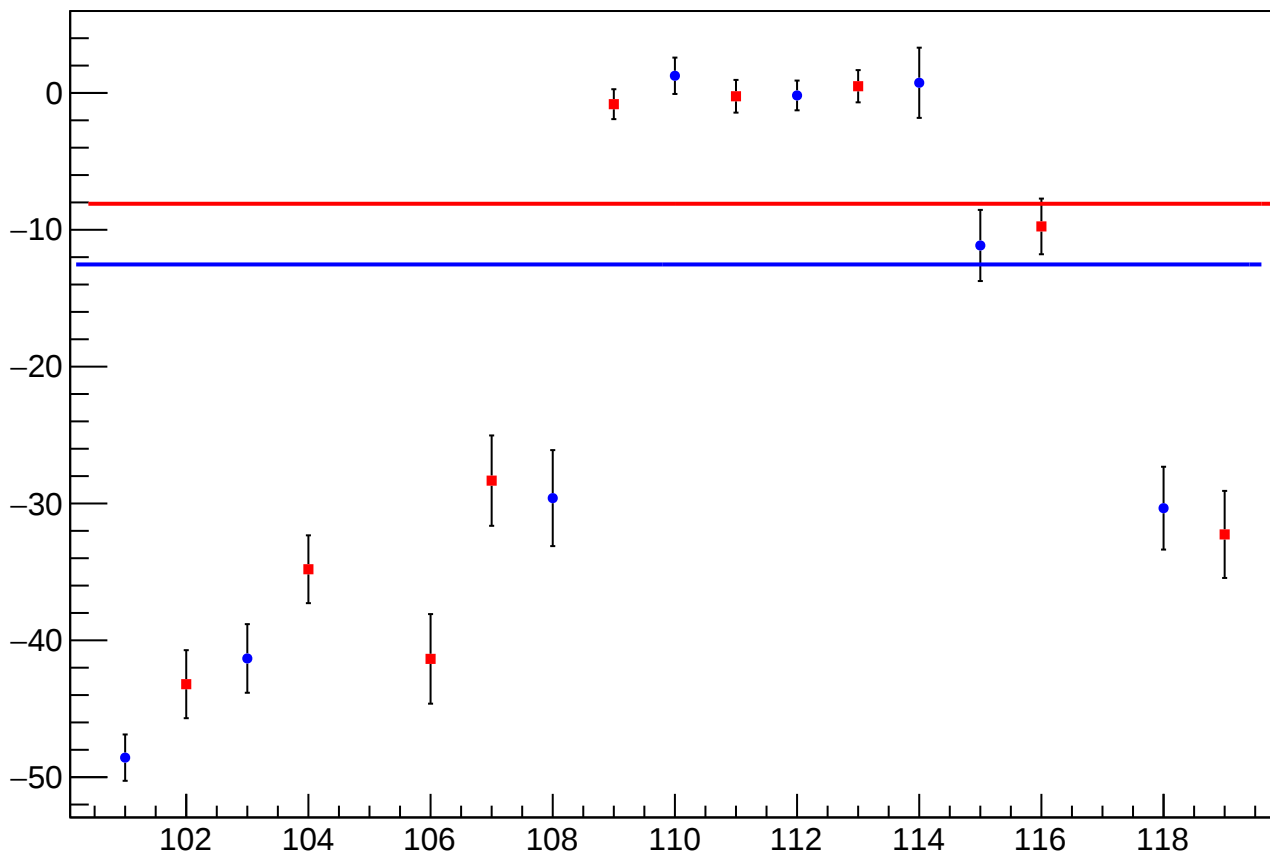
Right: 0.093+/-0.012  $\chi^2/\text{NDF}$ : 101.2/16

In: 0.101+/-0.018  $\chi^2/\text{NDF}$ : 65.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.093+/-0.012  $\chi^2/\text{NDF}$ : 101.2/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-12.532 \pm 0.644$   $\chi^2/\text{NDF}$ : 907.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-8.097 \pm 0.567$   $\chi^2/\text{NDF}$ : 655.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

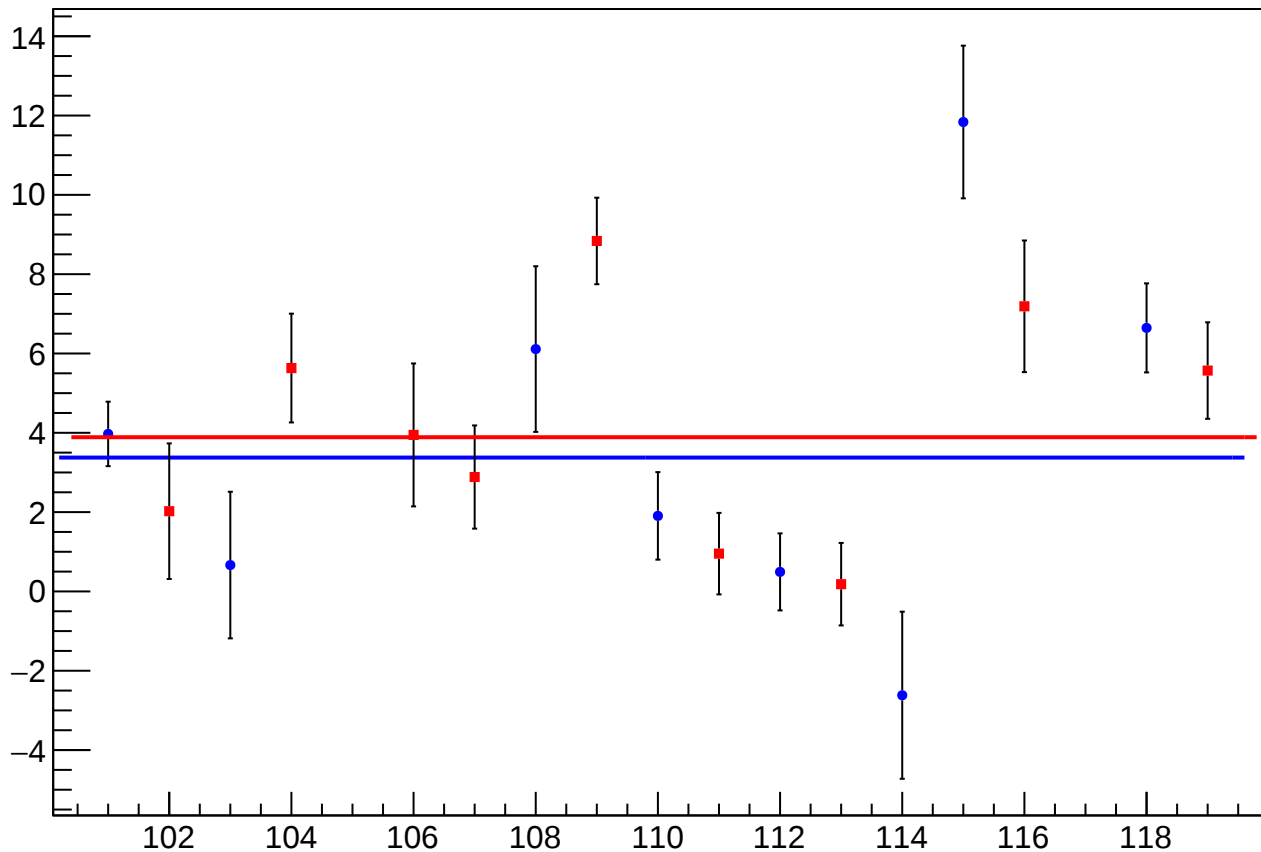
Right:  $-10.035 \pm 0.426$   $\chi^2/\text{NDF}$ : 1589.3/16

In:  $-12.532 \pm 0.644$   $\chi^2/\text{NDF}$ : 907.2/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-10.035 \pm 0.426$   $\chi^2/\text{NDF}$ : 1589.3/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.375+/-0.438  $\chi^2/\text{NDF}$ : 50.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.888+/-0.426  $\chi^2/\text{NDF}$ : 50.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

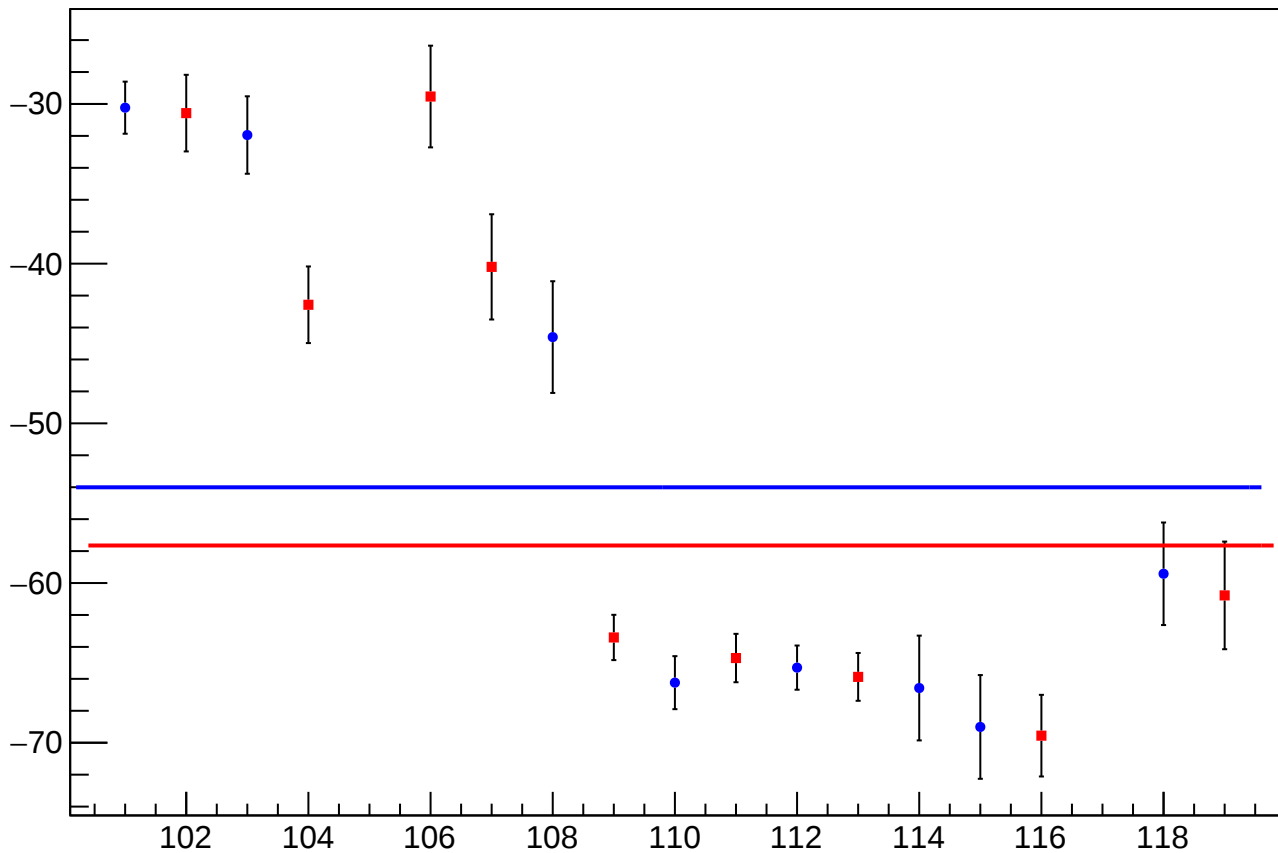
Right: 3.639+/-0.305  $\chi^2/\text{NDF}$ : 102.3/16

In: 3.375+/-0.438  $\chi^2/\text{NDF}$ : 50.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.639+/-0.305  $\chi^2/\text{NDF}$ : 102.3/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.005 $\pm$ 0.746  $\chi^2$ /NDF: 462.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -57.650 $\pm$ 0.681  $\chi^2$ /NDF: 363.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

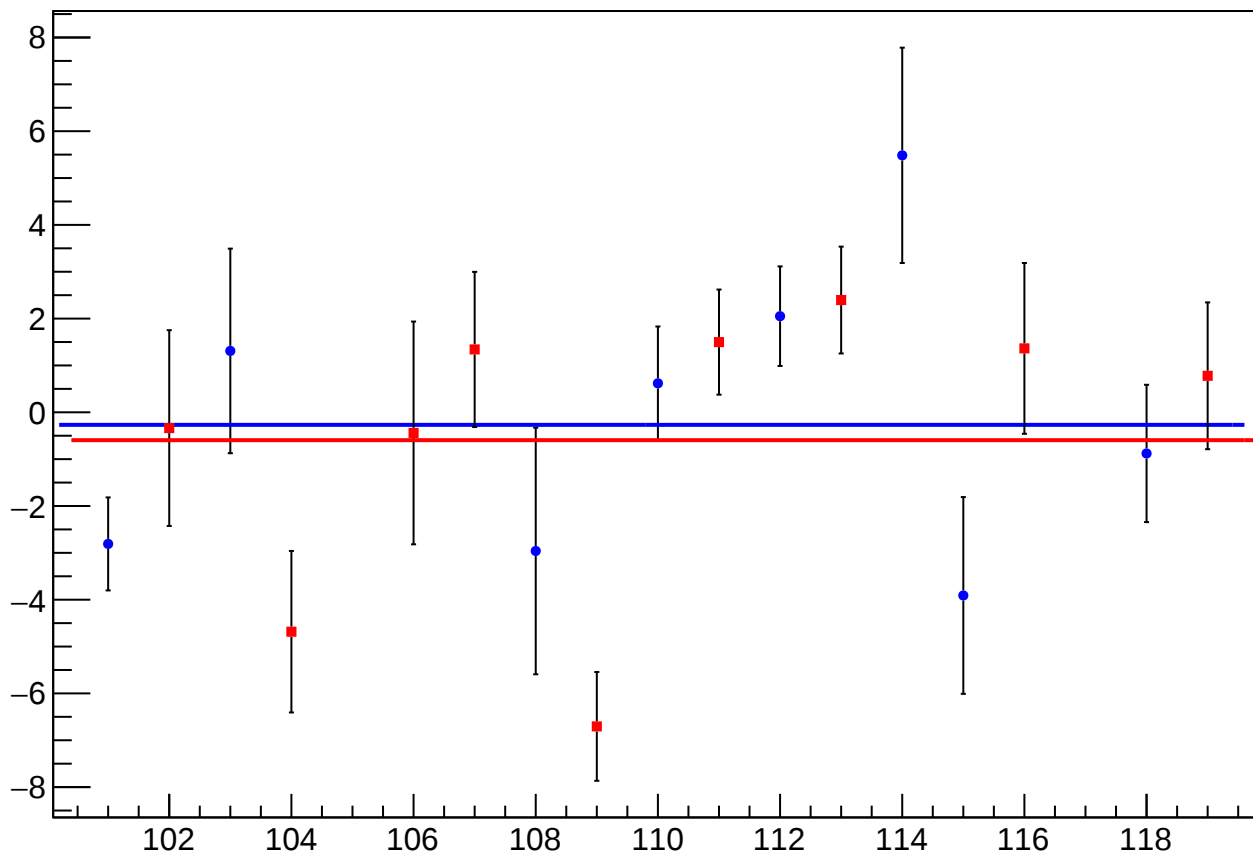
Right: -55.994 $\pm$ 0.503  $\chi^2$ /NDF: 838.9/16

In: -54.005 $\pm$ 0.746  $\chi^2$ /NDF: 462.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -55.994 $\pm$ 0.503  $\chi^2$ /NDF: 838.9/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.268+/-0.512  $\chi^2/\text{NDF}$ : 22.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.595+/-0.493  $\chi^2/\text{NDF}$ : 47.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

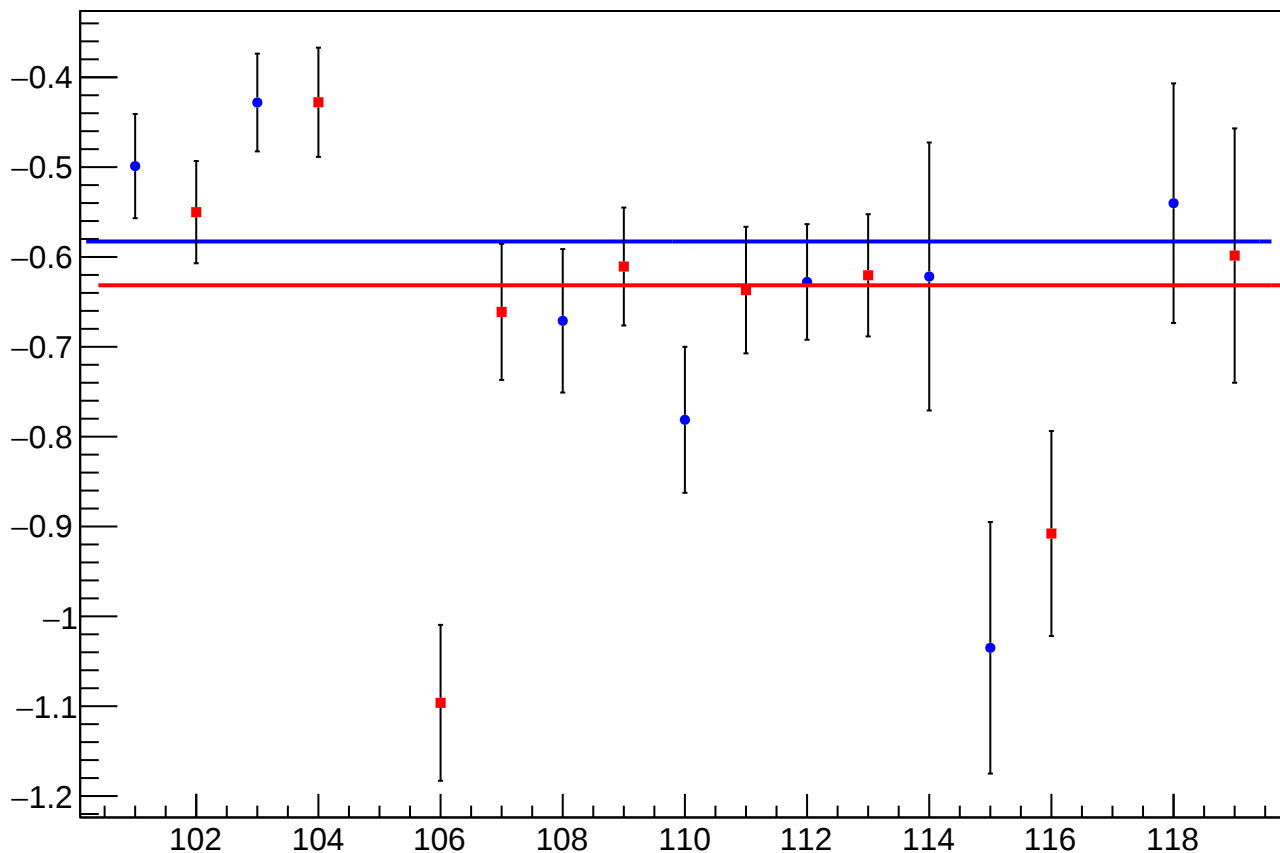
Right: -0.438+/-0.355  $\chi^2/\text{NDF}$ : 70.1/16

In: -0.268+/-0.512  $\chi^2/\text{NDF}$ :22.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.438+/-0.355  $\chi^2/\text{NDF}$ : 70.1/16

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.583+/-0.027  $\chi^2/\text{NDF}$ : 28.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.632+/-0.025  $\chi^2/\text{NDF}$ : 48.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

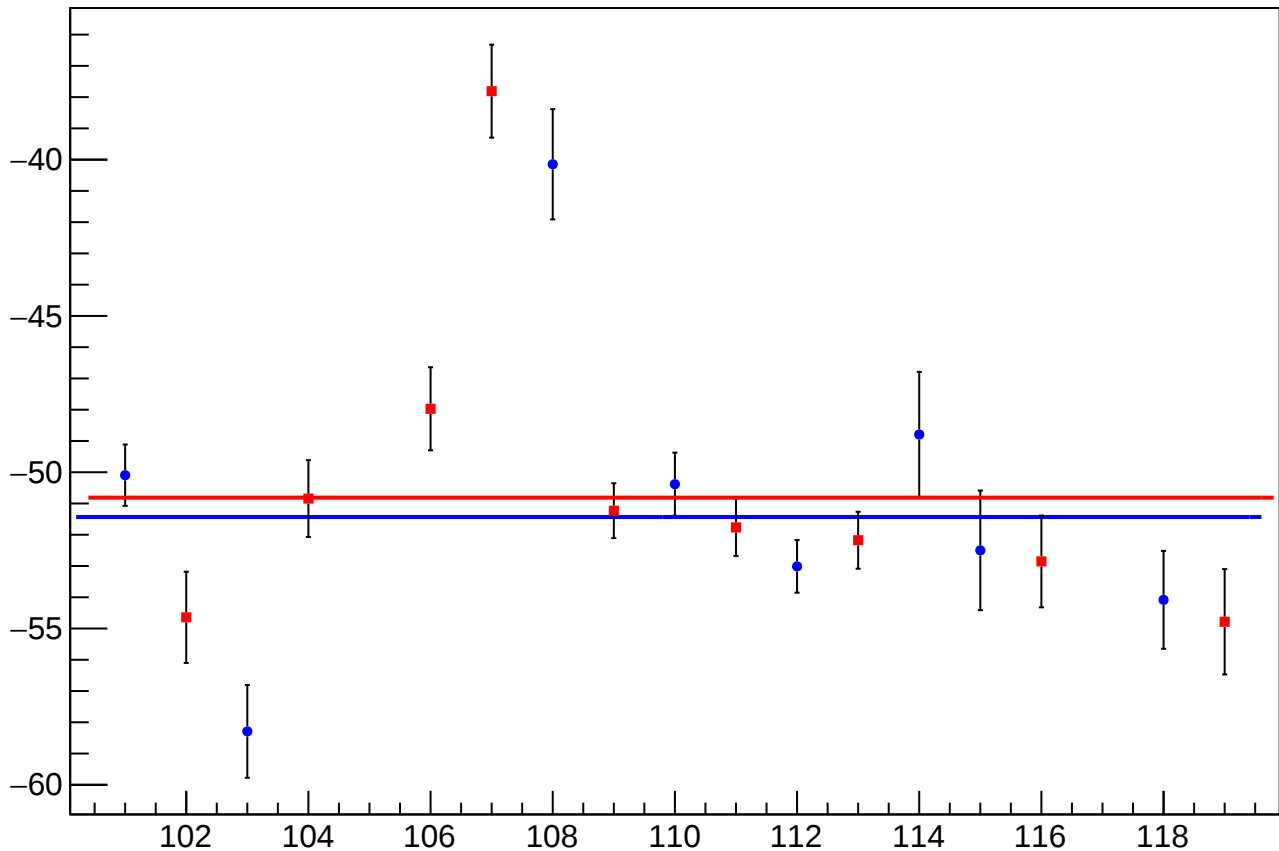
Right: -0.610+/-0.018  $\chi^2/\text{NDF}$ : 78.4/16

In: -0.583+/-0.027  $\chi^2/\text{NDF}$ : 28.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.610+/-0.018  $\chi^2/\text{NDF}$ : 78.4/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -51.434 $\pm$ 0.441  $\chi^2$ /NDF: 73.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -50.813 $\pm$ 0.387  $\chi^2$ /NDF: 98.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

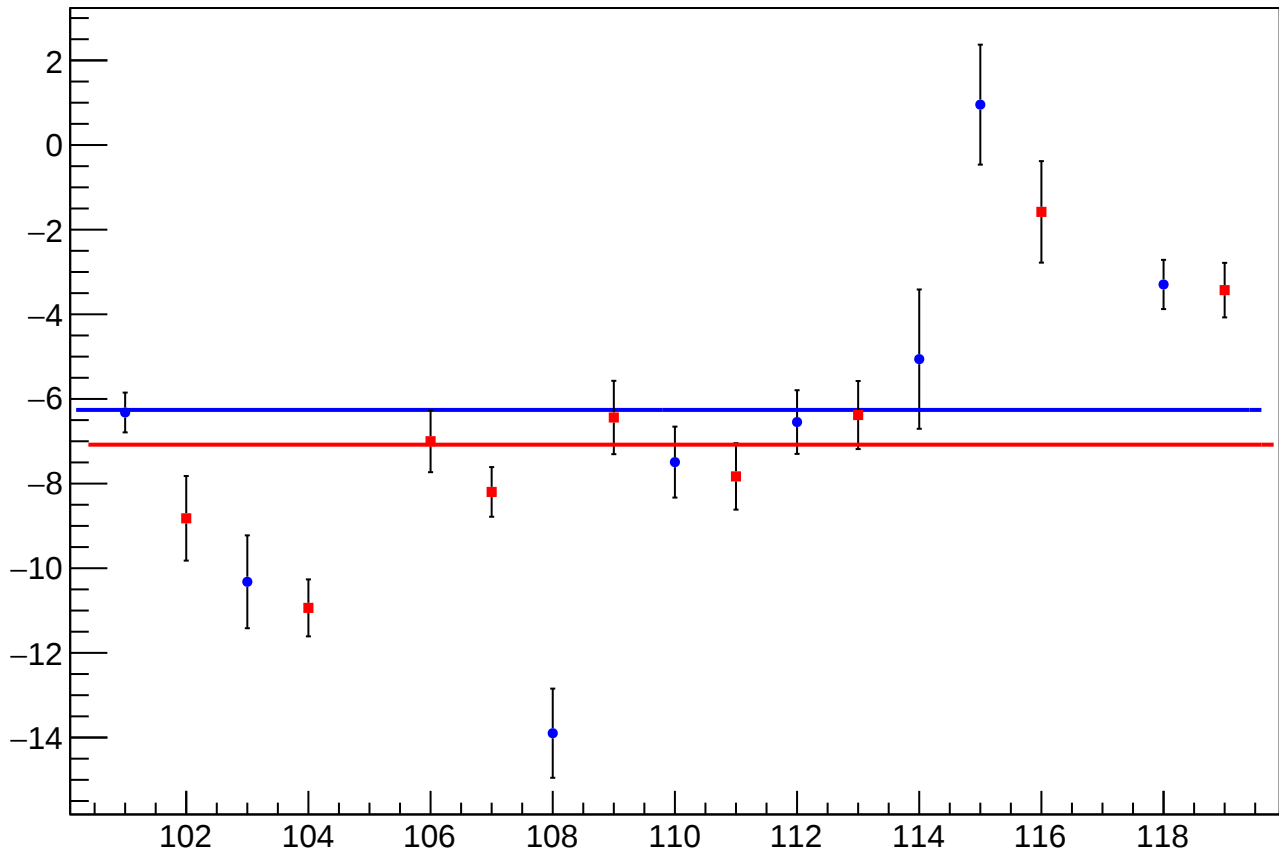
Right: -51.083 $\pm$ 0.291  $\chi^2$ /NDF: 173.7/16

In: -51.434 $\pm$ 0.441  $\chi^2$ /NDF:73.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -51.083 $\pm$ 0.291  $\chi^2$ /NDF: 173.7/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.259+/-0.275  $\chi^2/\text{NDF}$ : 121.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.080+/-0.253  $\chi^2/\text{NDF}$ : 94.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

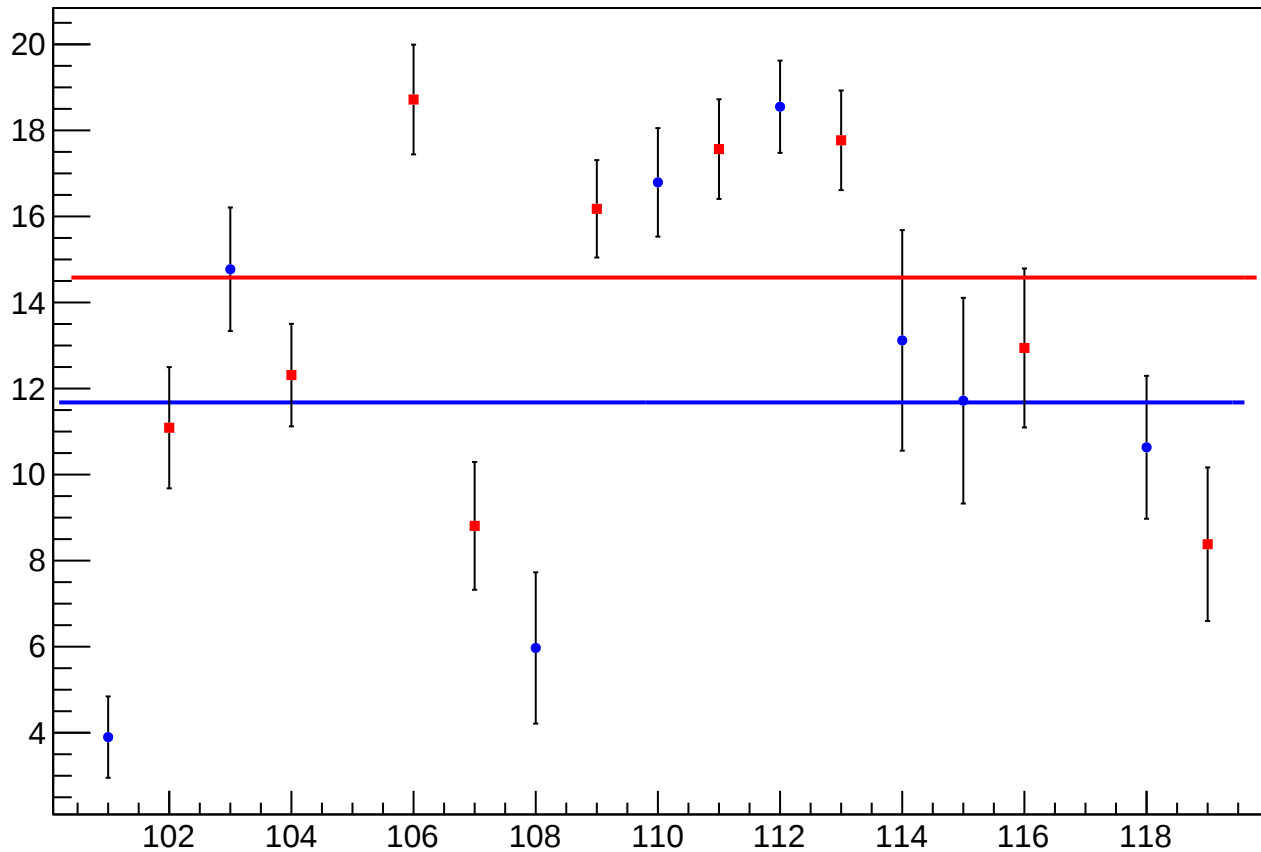
Right: -6.703+/-0.186  $\chi^2/\text{NDF}$ : 220.7/16

In: -6.259+/-0.275  $\chi^2/\text{NDF}$ : 121.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.703+/-0.186  $\chi^2/\text{NDF}$ : 220.7/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 11.677 $\pm$ 0.493  $\chi^2$ /NDF: 141.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.580 $\pm$ 0.440  $\chi^2$ /NDF: 64.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

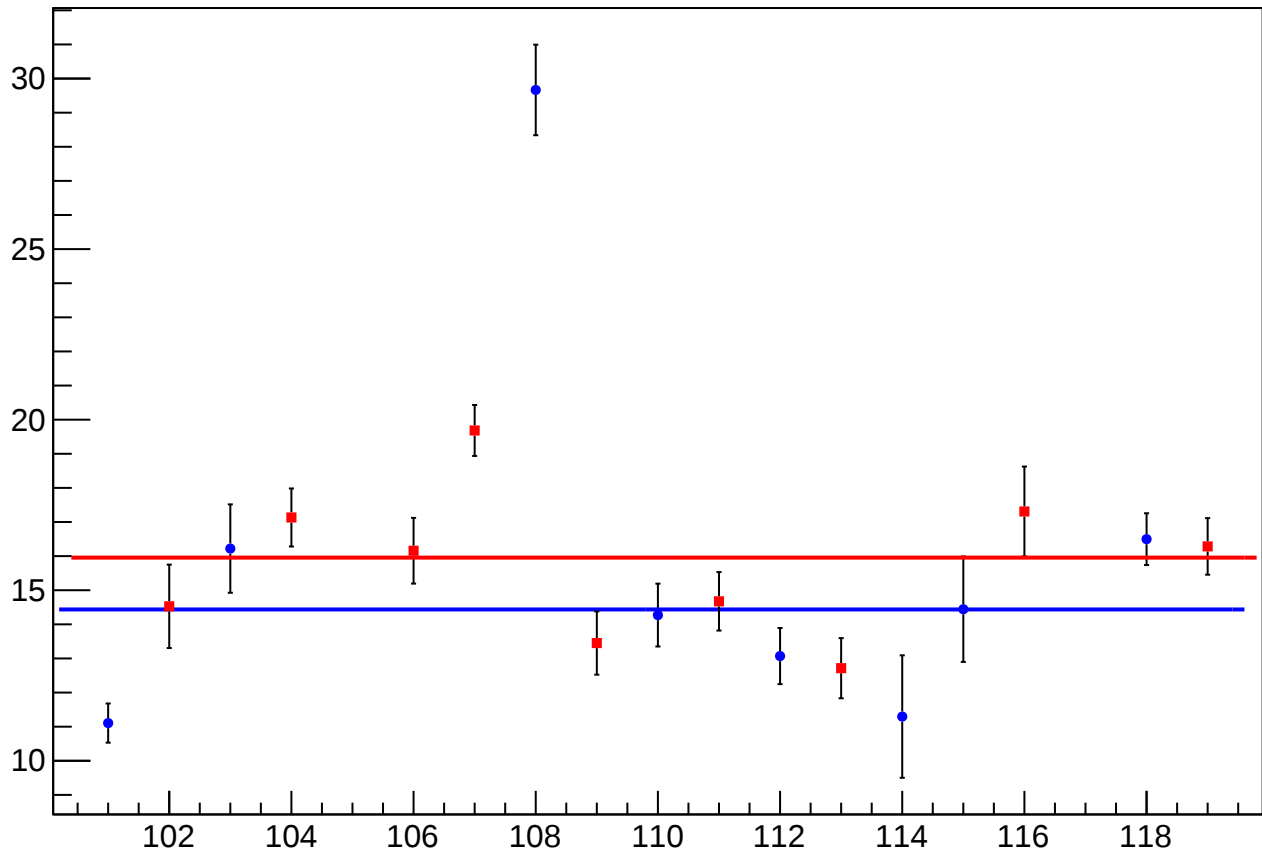
Right: 13.291 $\pm$ 0.328  $\chi^2$ /NDF: 224.9/16

In: 11.677 $\pm$ 0.493  $\chi^2$ /NDF:141.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.291 $\pm$ 0.328  $\chi^2$ /NDF: 224.9/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.436 $\pm$ 0.328  $\chi^2$ /NDF: 180.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.956 $\pm$ 0.305  $\chi^2$ /NDF: 52.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

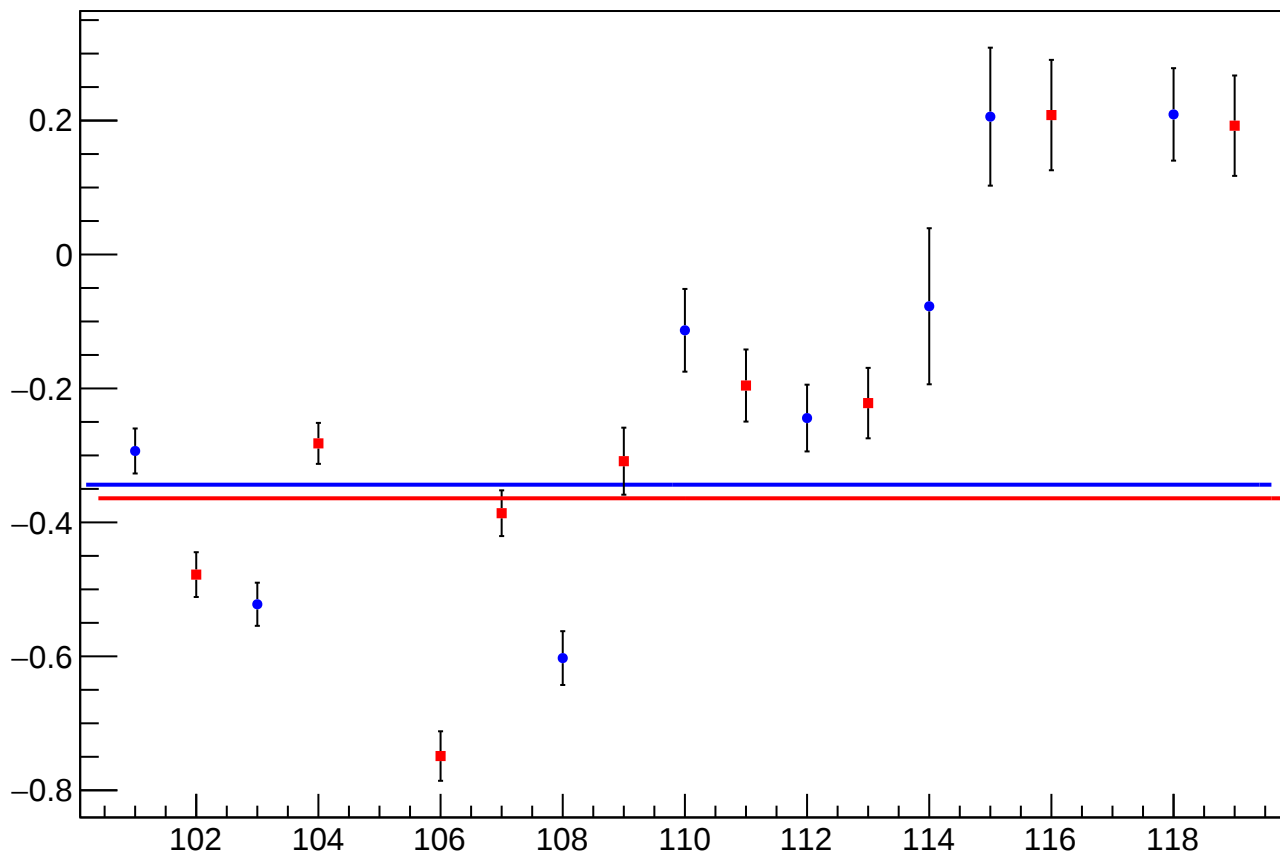
Right: 15.251 $\pm$ 0.223  $\chi^2$ /NDF: 244.4/16

In: 14.436 $\pm$ 0.328  $\chi^2$ /NDF: 180.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.251 $\pm$ 0.223  $\chi^2$ /NDF: 244.4/16

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.344 \pm 0.017$   $\chi^2/\text{NDF}$ : 190.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.364 \pm 0.014$   $\chi^2/\text{NDF}$ : 249.2/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

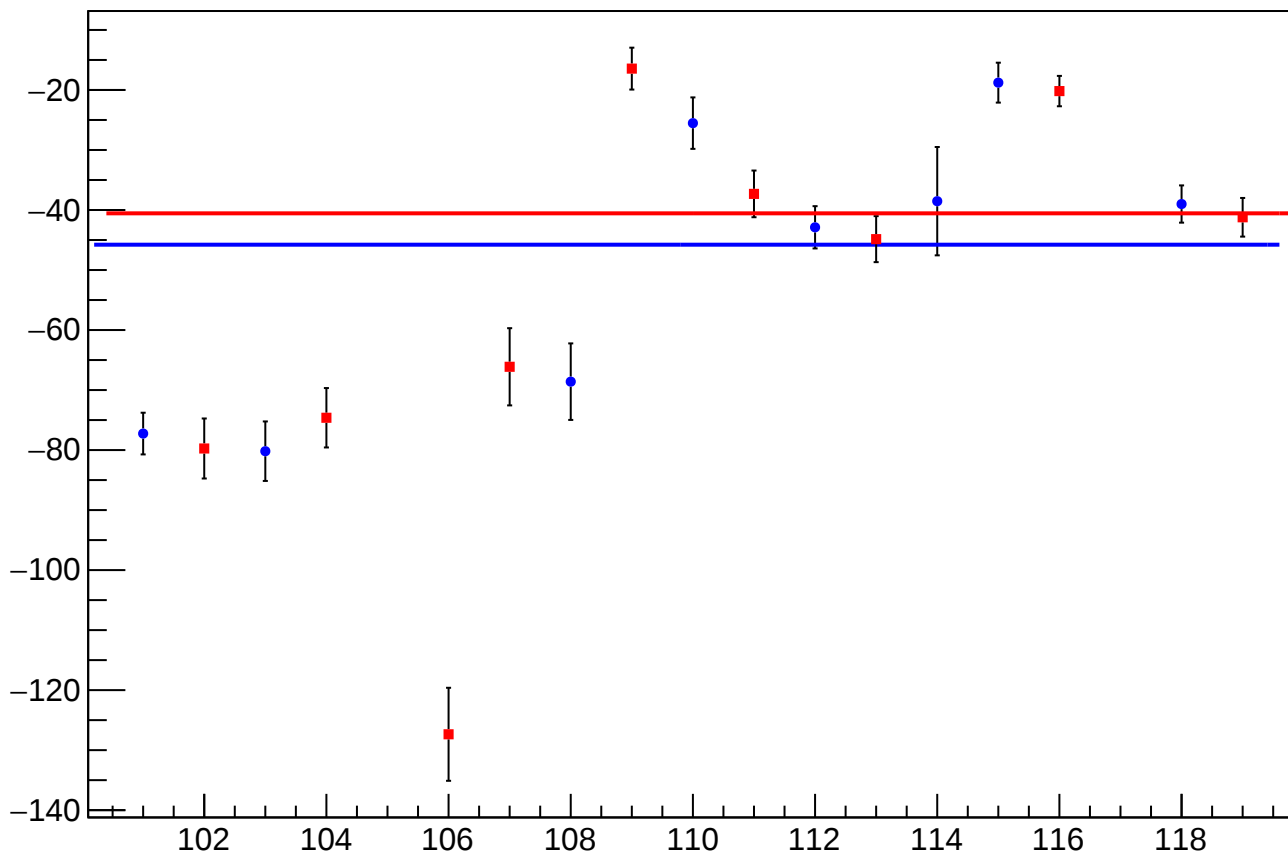
Right:  $-0.356 \pm 0.011$   $\chi^2/\text{NDF}$ : 440.4/16

In:  $-0.344 \pm 0.017$   $\chi^2/\text{NDF}$ : 190.3/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.356 \pm 0.011$   $\chi^2/\text{NDF}$ : 440.4/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-45.781 \pm 1.429$   $\chi^2/\text{NDF}$ : 237.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-40.555 \pm 1.301$   $\chi^2/\text{NDF}$ : 364.6/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

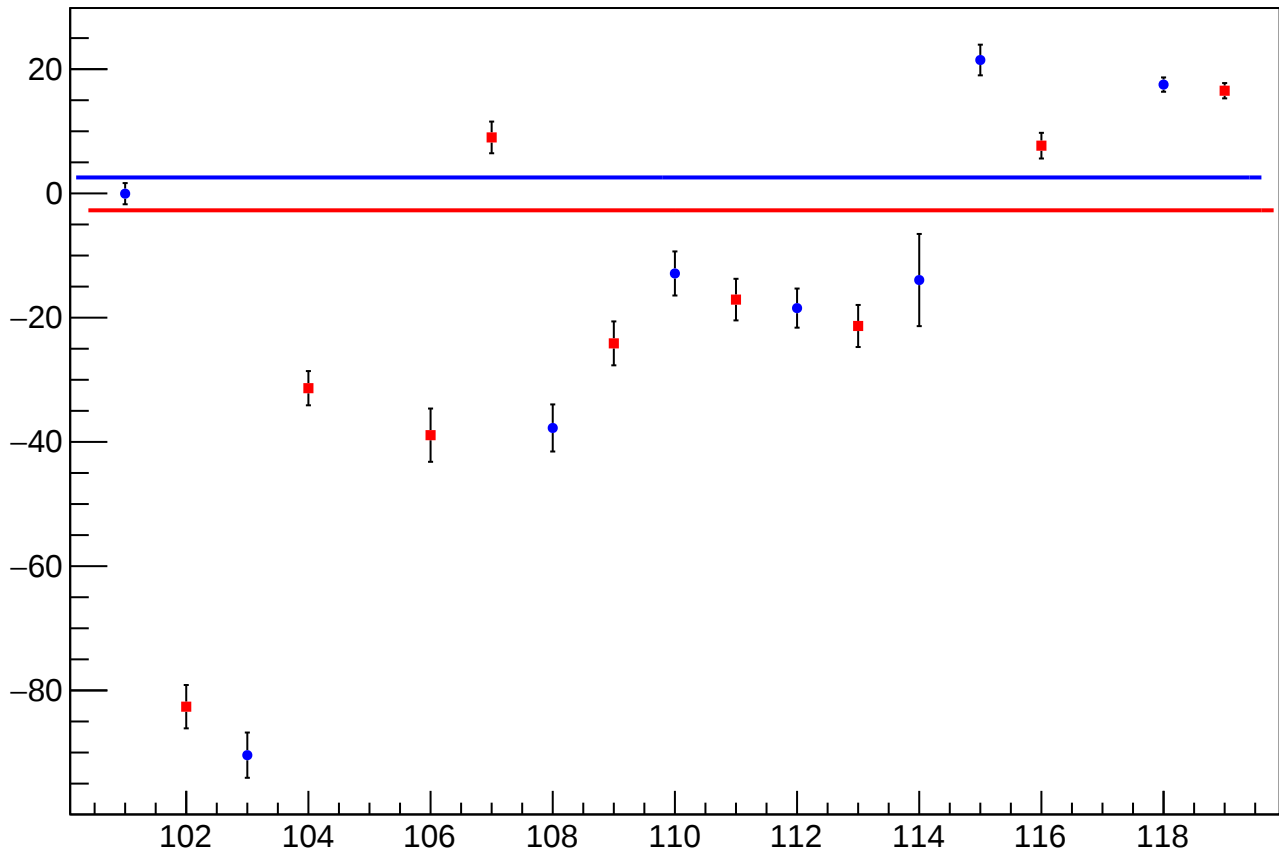
Right:  $-42.924 \pm 0.962$   $\chi^2/\text{NDF}$ : 609.3/16

In:  $-45.781 \pm 1.429$   $\chi^2/\text{NDF}$ : 237.4/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.924 \pm 0.962$   $\chi^2/\text{NDF}$ : 609.3/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.569+/-0.789  $\chi^2/\text{NDF}$ : 1062.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.721+/-0.798  $\chi^2/\text{NDF}$ : 1079.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

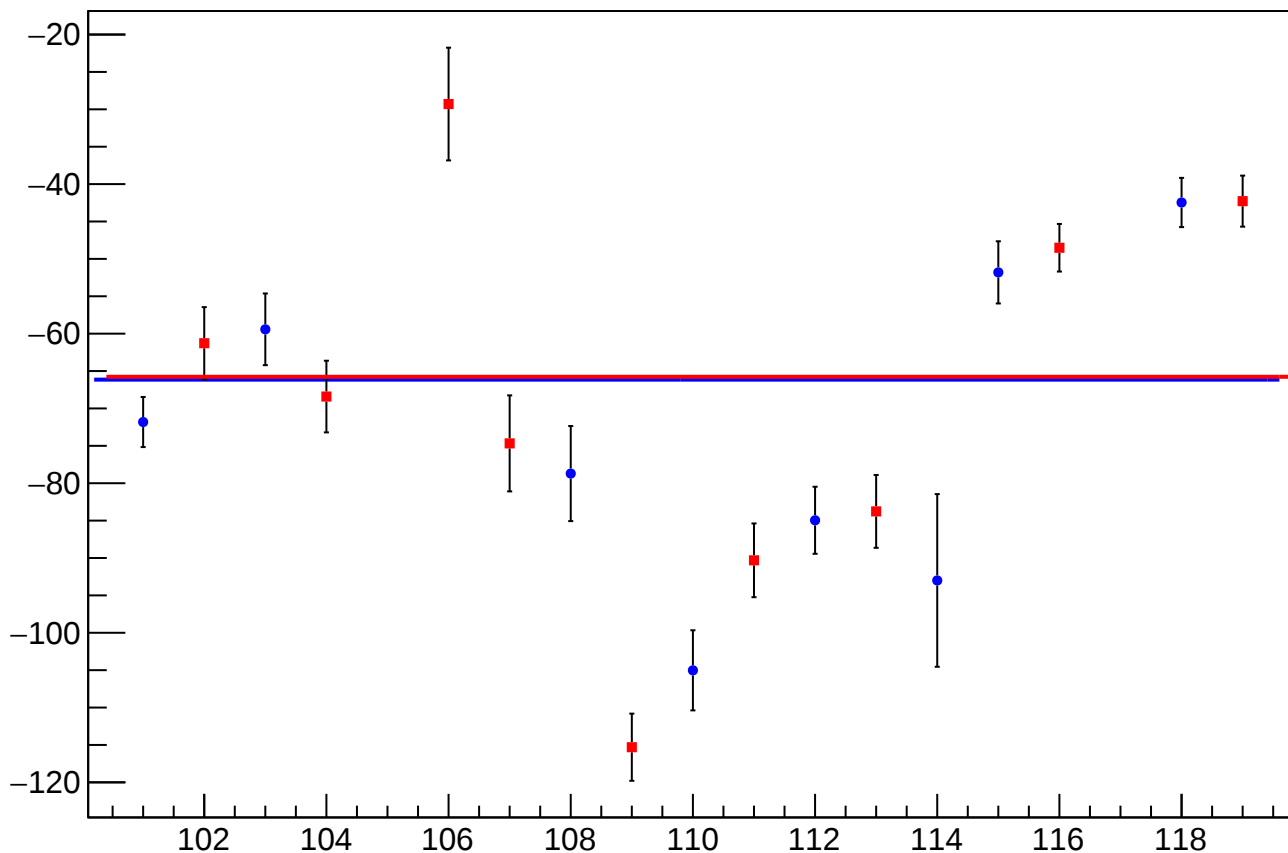
Right: -0.048+/-0.561  $\chi^2/\text{NDF}$ : 2164.4/16

In: 2.569+/-0.789  $\chi^2/\text{NDF}$ : 1062.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.048+/-0.561  $\chi^2/\text{NDF}$ : 2164.4/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -66.147 $\pm$ 1.582  $\chi^2$ /NDF: 148.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -65.767 $\pm$ 1.498  $\chi^2$ /NDF: 263.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

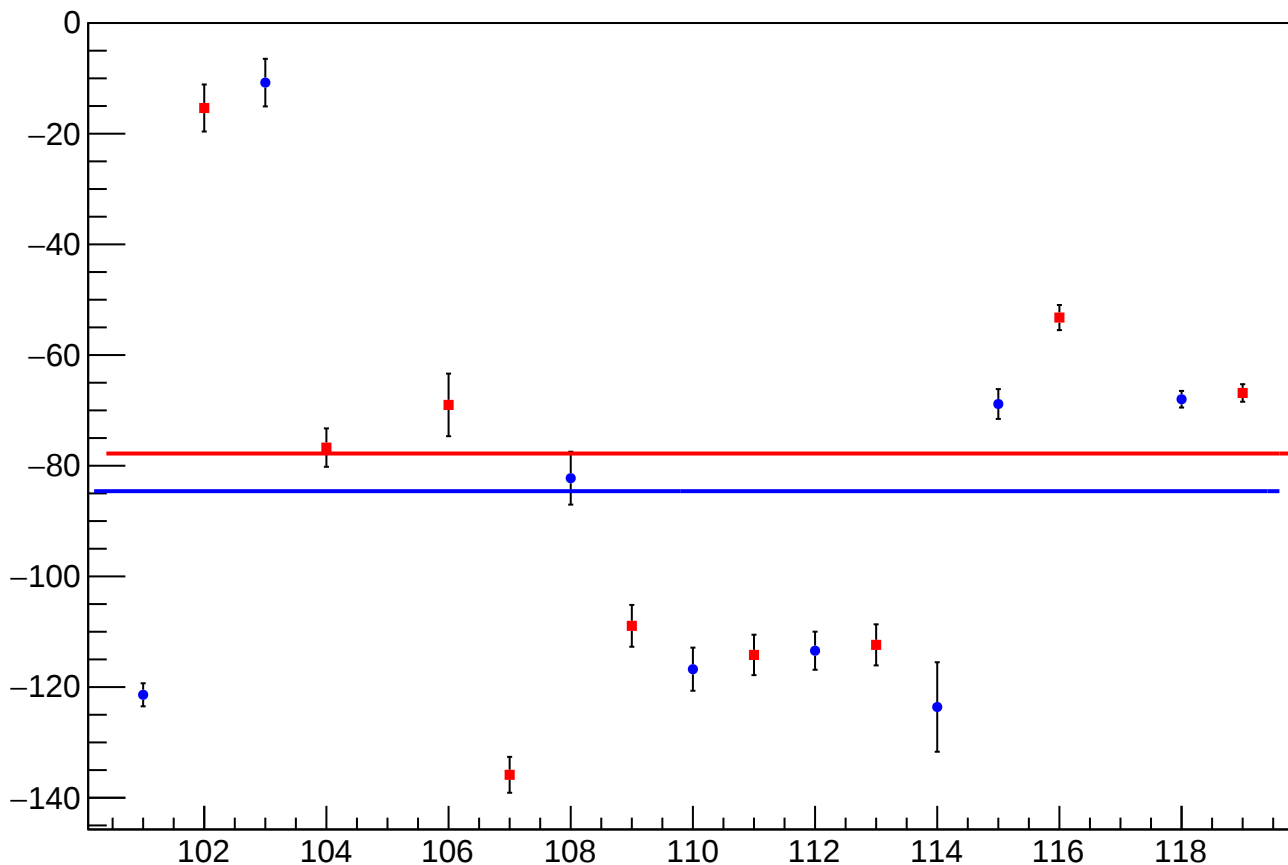
Right: -65.947 $\pm$ 1.088  $\chi^2$ /NDF: 411.5/16

In: -66.147 $\pm$ 1.582  $\chi^2$ /NDF:148.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -65.947 $\pm$ 1.088  $\chi^2$ /NDF: 411.5/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -84.598 $\pm$ 0.965  $\chi^2$ /NDF: 924.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -77.794 $\pm$ 0.965  $\chi^2$ /NDF: 957.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

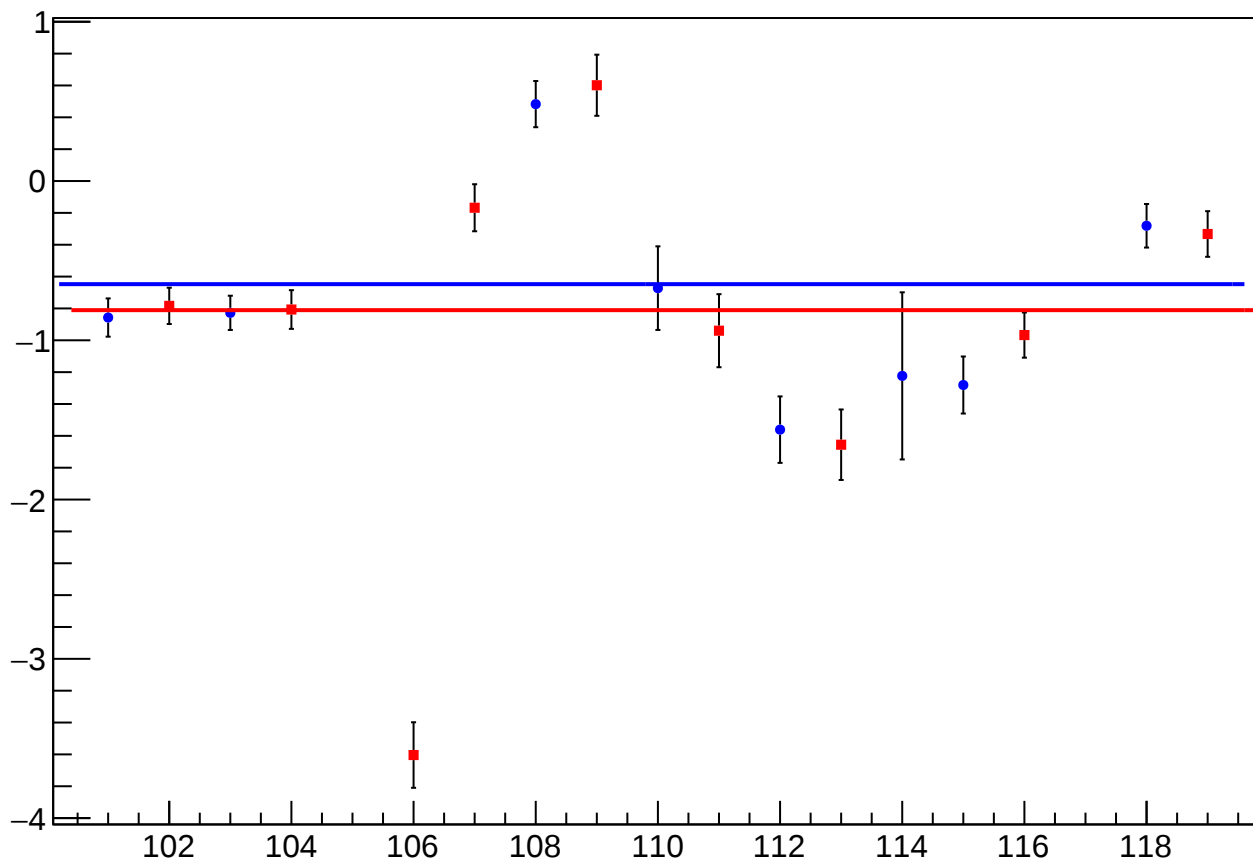
Right: -81.197 $\pm$ 0.682  $\chi^2$ /NDF: 1906.9/16

In: -84.598 $\pm$ 0.965  $\chi^2$ /NDF:924.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -81.197 $\pm$ 0.682  $\chi^2$ /NDF: 1906.9/16

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.648 $\pm$ 0.055  $\chi^2$ /NDF: 106.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.811 $\pm$ 0.051  $\chi^2$ /NDF: 284.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

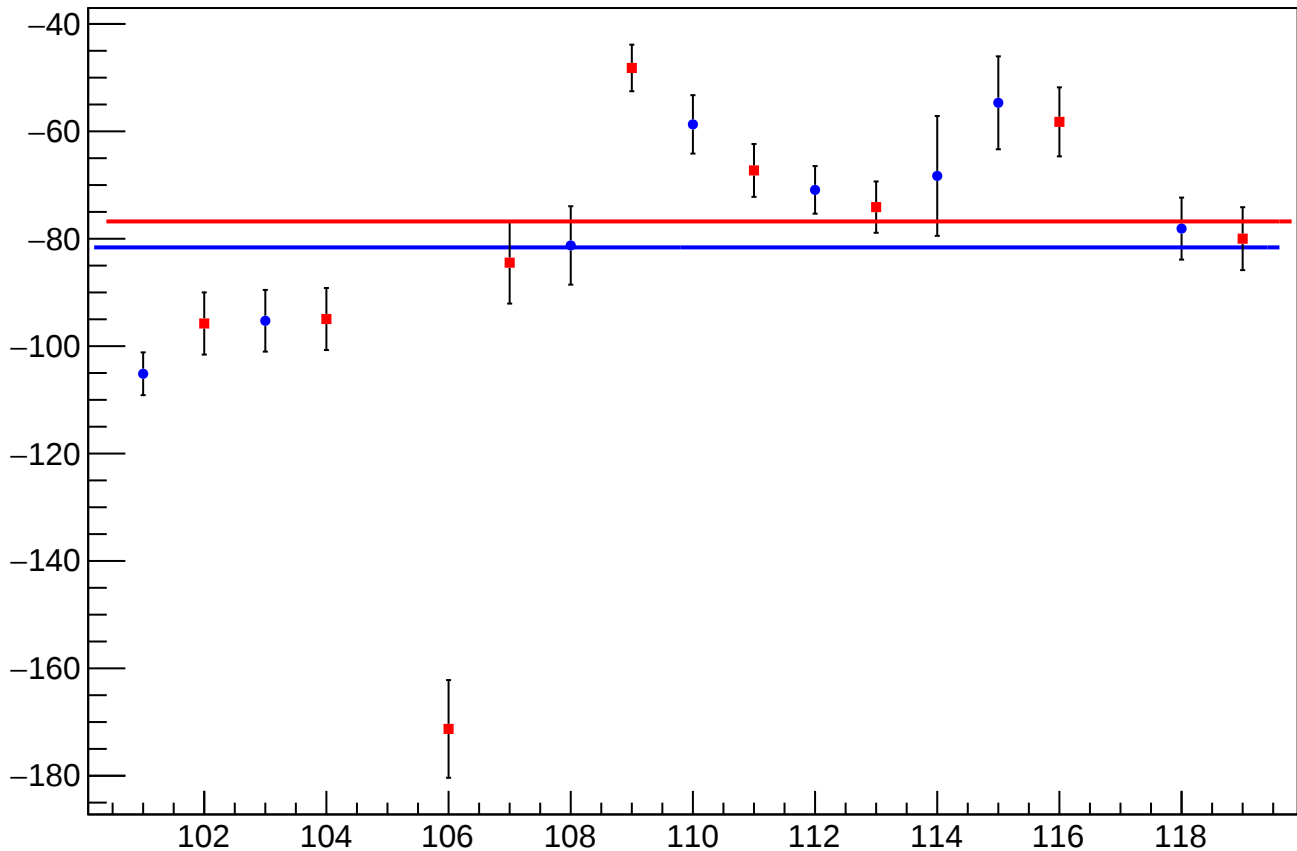
Right: -0.735 $\pm$ 0.038  $\chi^2$ /NDF: 396.1/16

In: -0.648 $\pm$ 0.055  $\chi^2$ /NDF:106.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.735 $\pm$ 0.038  $\chi^2$ /NDF: 396.1/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -81.608 $\pm$ 2.007  $\chi^2$ /NDF: 75.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -76.776 $\pm$ 1.888  $\chi^2$ /NDF: 185.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

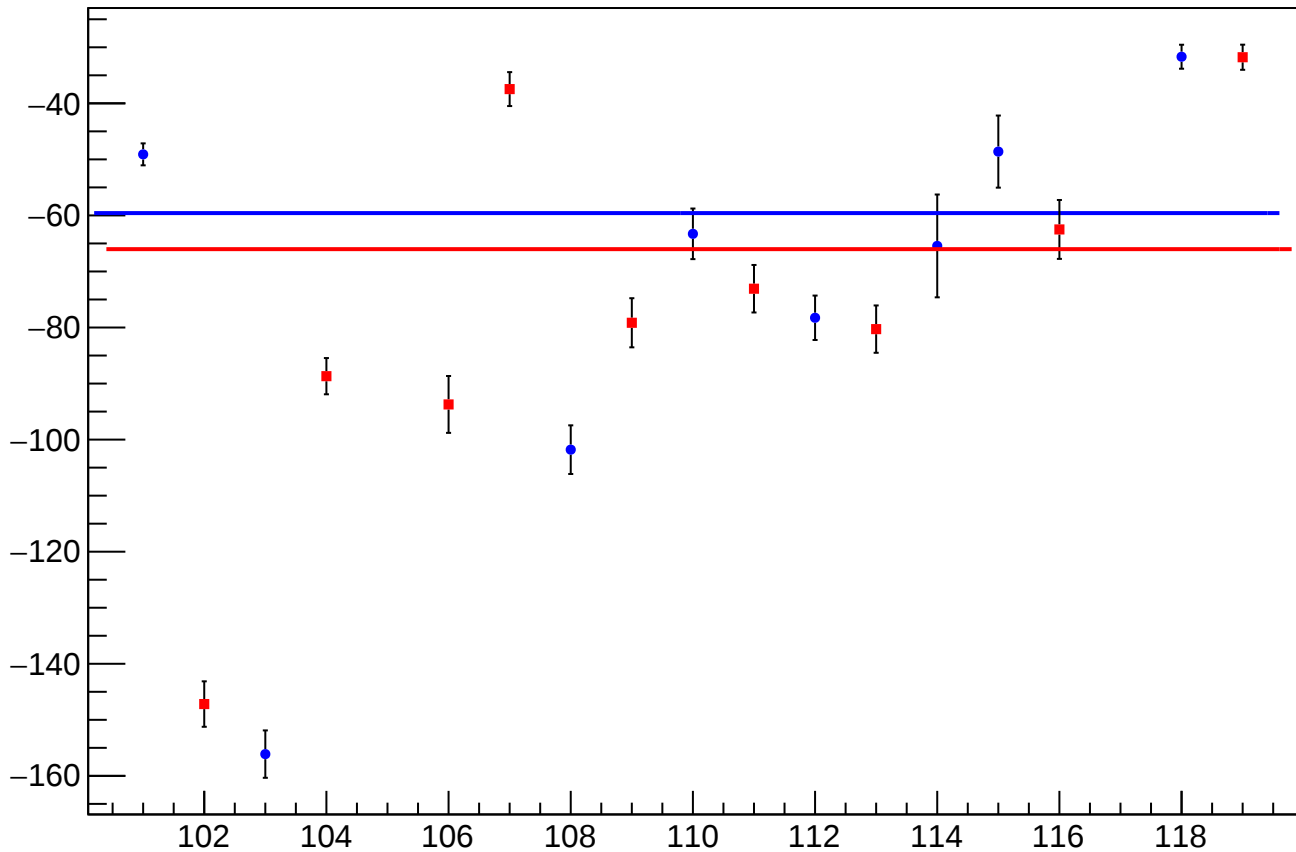
Right: -79.044 $\pm$ 1.375  $\chi^2$ /NDF: 264.3/16

In: -81.608 $\pm$ 2.007  $\chi^2$ /NDF: 75.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -79.044 $\pm$ 1.375  $\chi^2$ /NDF: 264.3/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-59.583 \pm 1.165$   $\chi^2/\text{NDF}$ : 840.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-66.016 \pm 1.192$   $\chi^2/\text{NDF}$ : 825.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

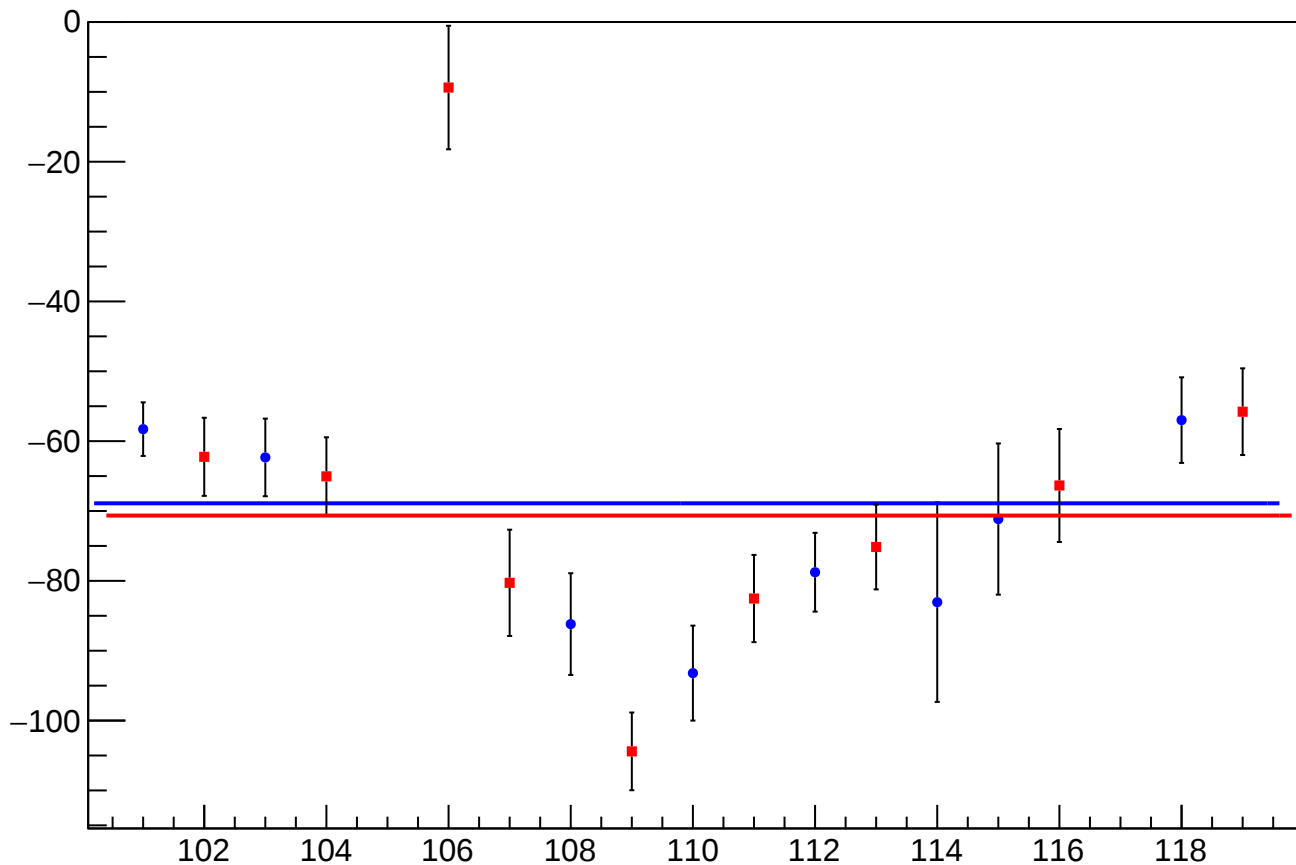
Right:  $-62.726 \pm 0.833$   $\chi^2/\text{NDF}$ : 1681.1/16

In:  $-59.583 \pm 1.165$   $\chi^2/\text{NDF}$ : 840.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-62.726 \pm 0.833$   $\chi^2/\text{NDF}$ : 1681.1/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -68.897 $\pm$ 2.170  $\chi^2$ /NDF: 35.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -70.650 $\pm$ 2.130  $\chi^2$ /NDF: 99.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

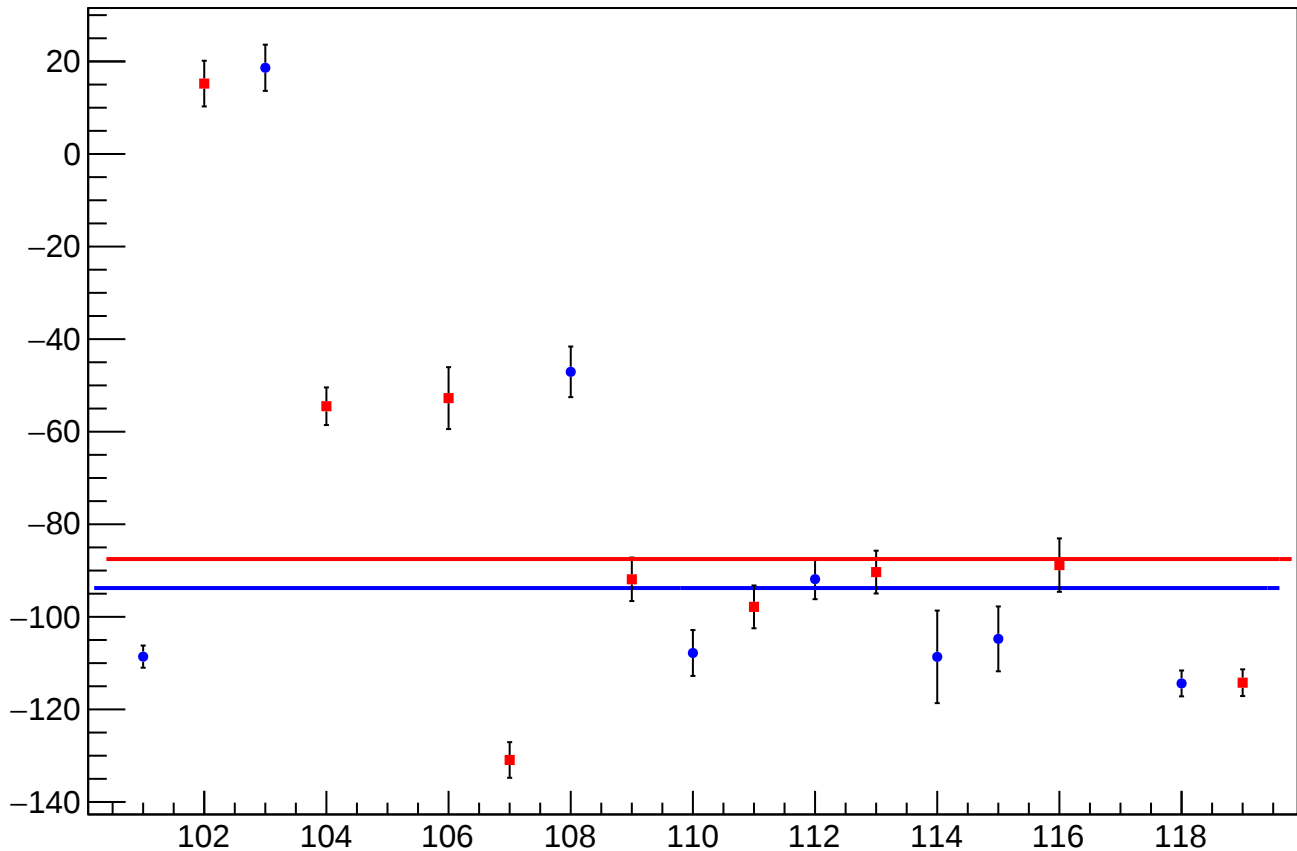
Right: -69.790 $\pm$ 1.520  $\chi^2$ /NDF: 135.6/16

In: -68.897 $\pm$ 2.170  $\chi^2$ /NDF:35.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -69.790 $\pm$ 1.520  $\chi^2$ /NDF: 135.6/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -93.778+/-1.413  $\chi^2/\text{NDF}$ : 685.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -87.513+/-1.443  $\chi^2/\text{NDF}$ : 745.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

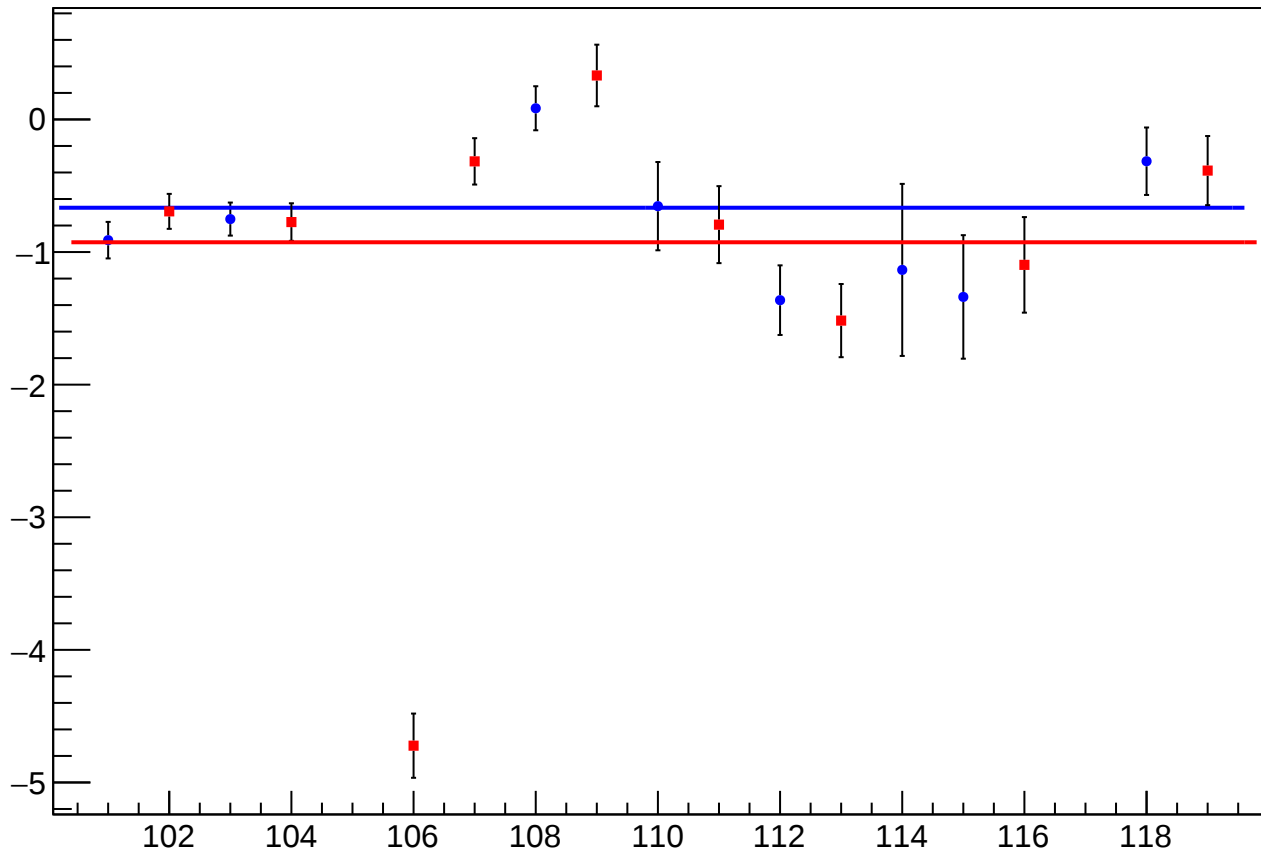
Right: -90.711+/-1.010  $\chi^2/\text{NDF}$ : 1440.4/16

In: -93.778+/-1.413  $\chi^2/\text{NDF}$ : 685.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -90.711+/-1.010  $\chi^2/\text{NDF}$ : 1440.4/16

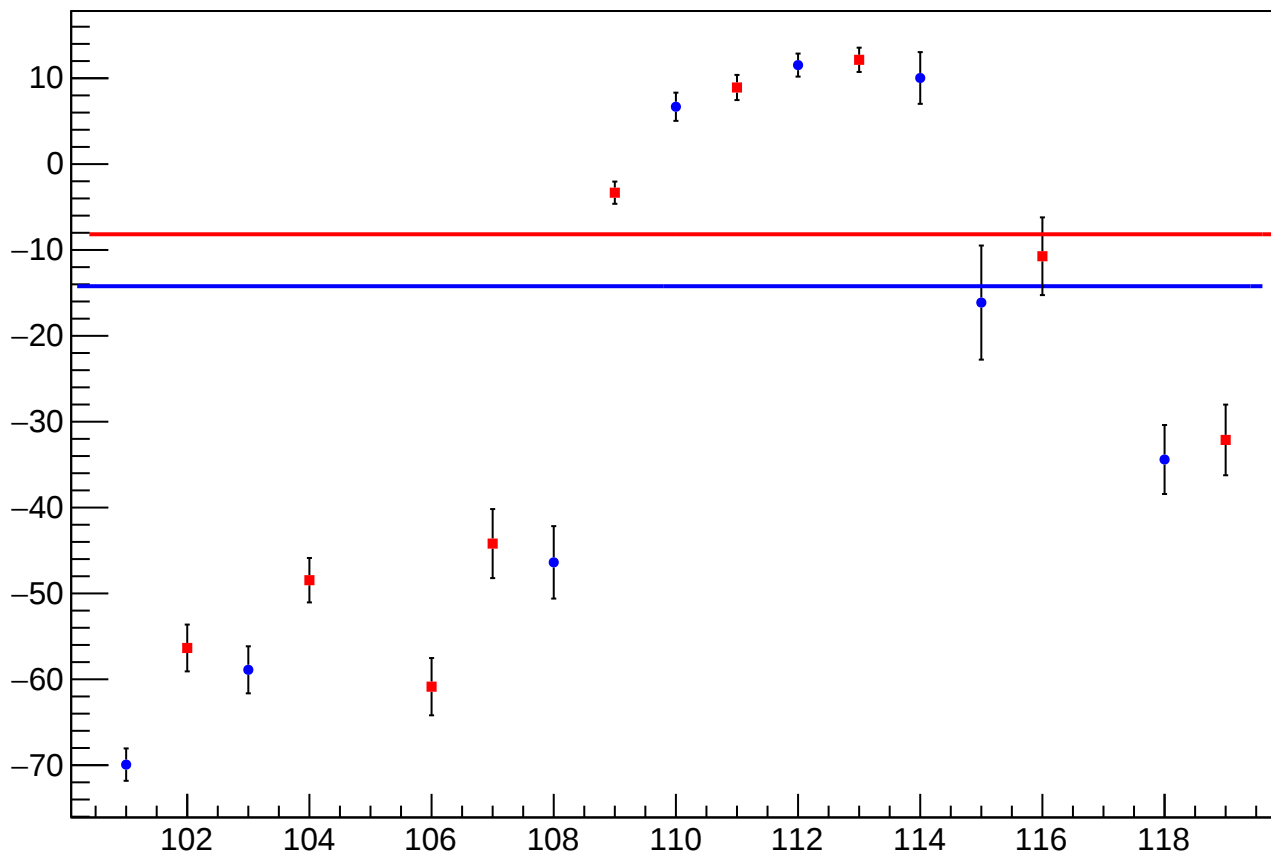
reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.666 \pm 0.071$   $\chi^2/\text{NDF}$ : 35.6/7  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-0.926 \pm 0.067$   $\chi^2/\text{NDF}$ : 300.8/8  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right:  $-0.803 \pm 0.049$   $\chi^2/\text{NDF}$ : 343.6/16  
 In:  $-0.666 \pm 0.071$   $\chi^2/\text{NDF}$ : 35.6/7  
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 All:  $-0.803 \pm 0.049$   $\chi^2/\text{NDF}$ : 343.6/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -14.220 $\pm$ 0.793  $\chi^2$ /NDF: 1817.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.172 $\pm$ 0.689  $\chi^2$ /NDF: 1275.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

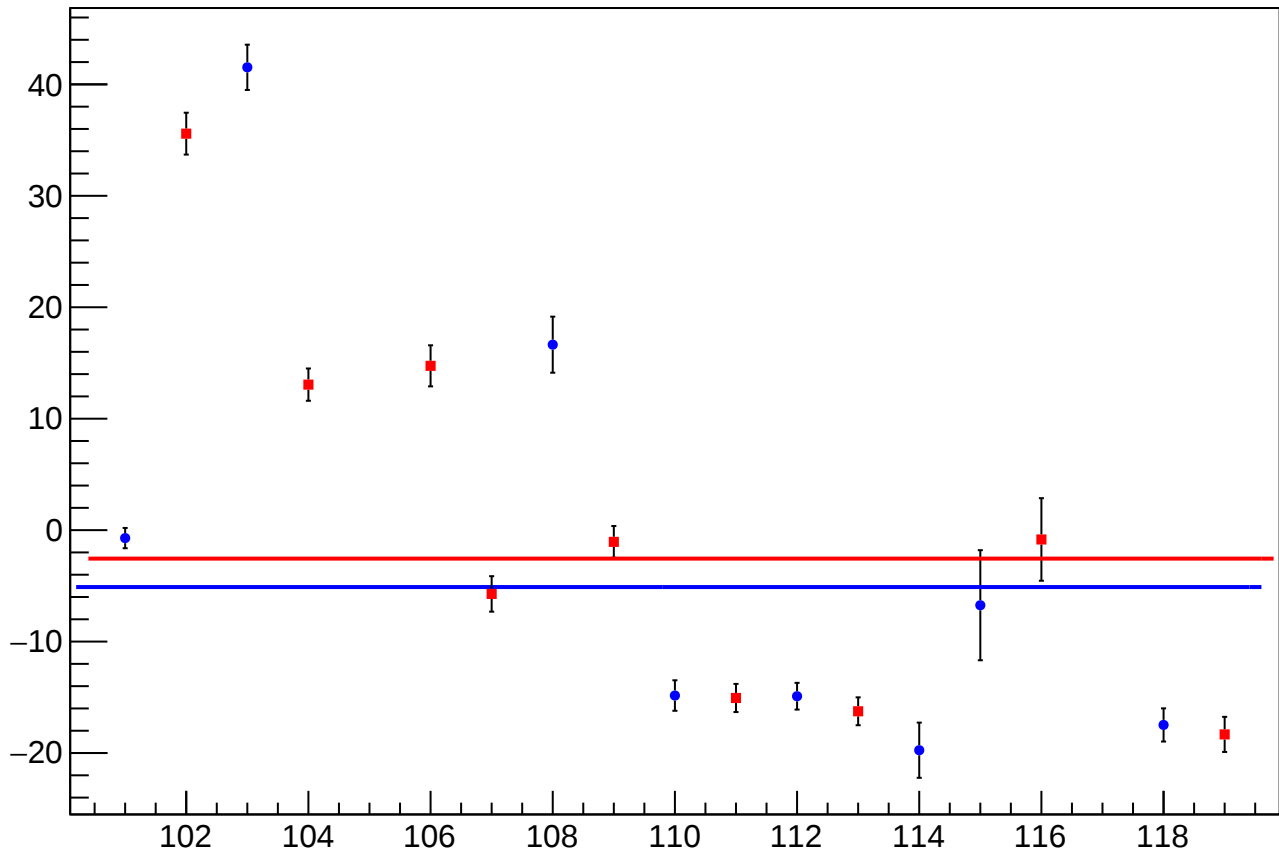
Right: -10.776 $\pm$ 0.520  $\chi^2$ /NDF: 3126.3/16

In: -14.220 $\pm$ 0.793  $\chi^2$ /NDF:1817.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -10.776 $\pm$ 0.520  $\chi^2$ /NDF: 3126.3/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.107+/-0.535  $\chi^2/\text{NDF}$ : 846.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.555+/-0.521  $\chi^2/\text{NDF}$ : 939.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

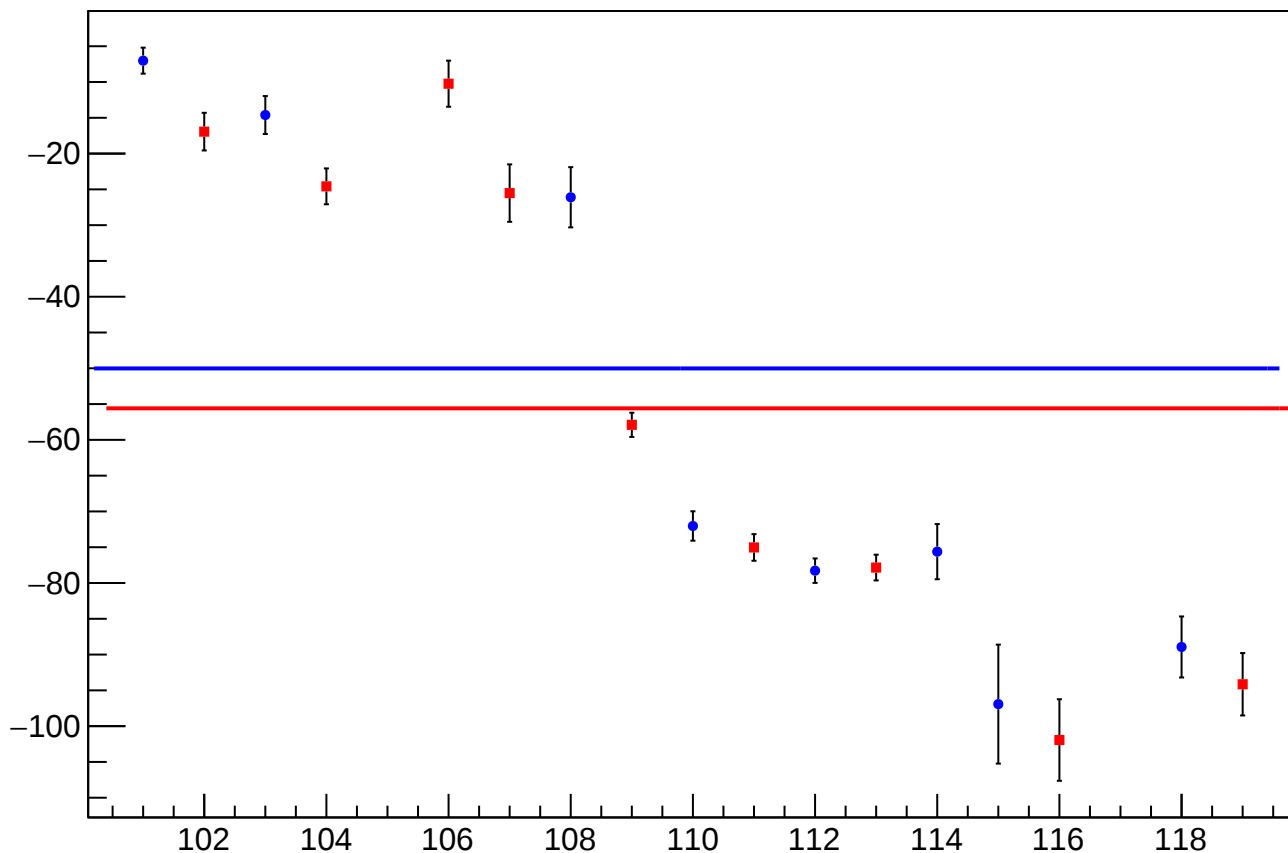
Right: -3.796+/-0.373  $\chi^2/\text{NDF}$ : 1797.6/16

In: -5.107+/-0.535  $\chi^2/\text{NDF}$ : 846.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.796+/-0.373  $\chi^2/\text{NDF}$ : 1797.6/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -50.020 $\pm$ 0.906  $\chi^2$ /NDF: 1318.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -55.595 $\pm$ 0.818  $\chi^2$ /NDF: 1032.6/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

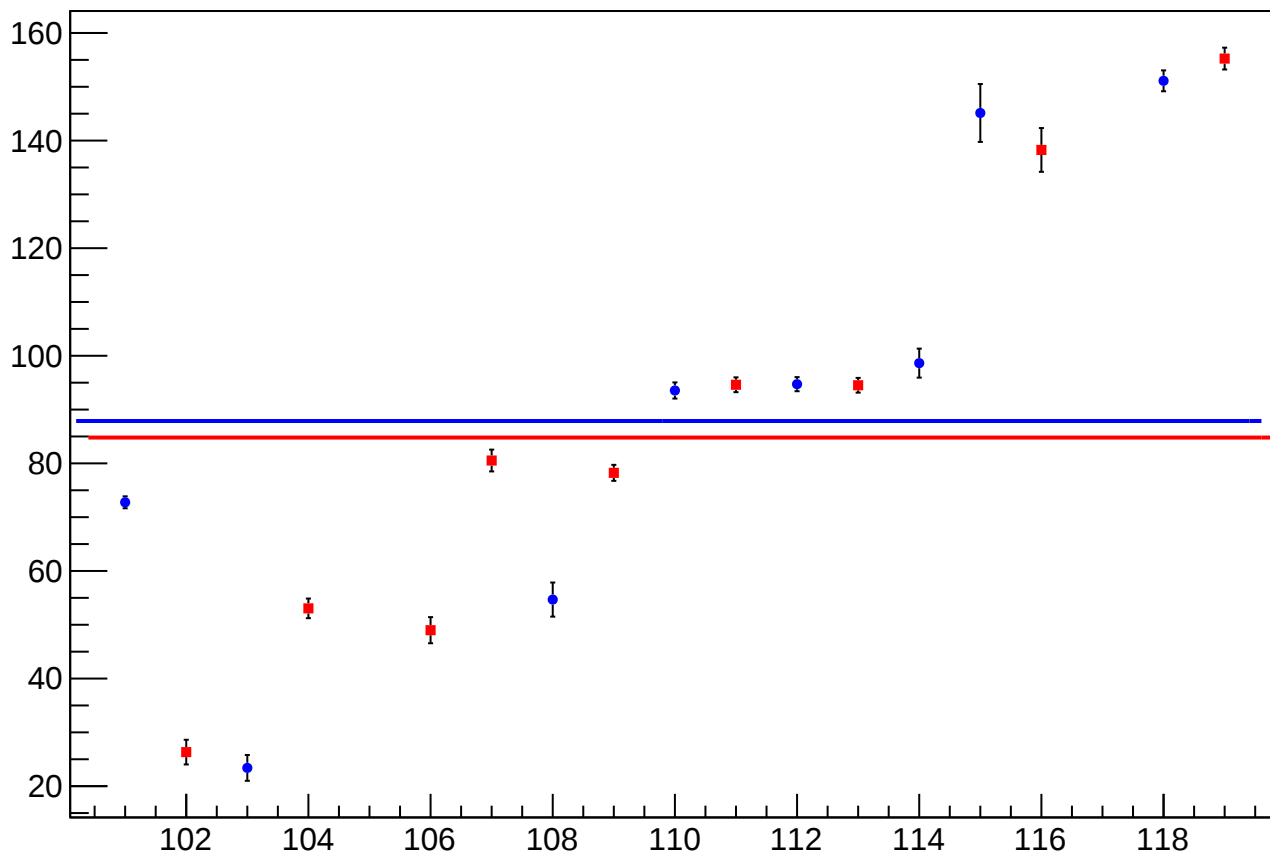
Right: -53.092 $\pm$ 0.607  $\chi^2$ /NDF: 2372.3/16

In: -50.020 $\pm$ 0.906  $\chi^2$ /NDF:1318.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -53.092 $\pm$ 0.607  $\chi^2$ /NDF: 2372.3/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 87.875+/-0.627  $\chi^2/\text{NDF}$ : 2247.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 84.800+/-0.606  $\chi^2/\text{NDF}$ : 2676.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

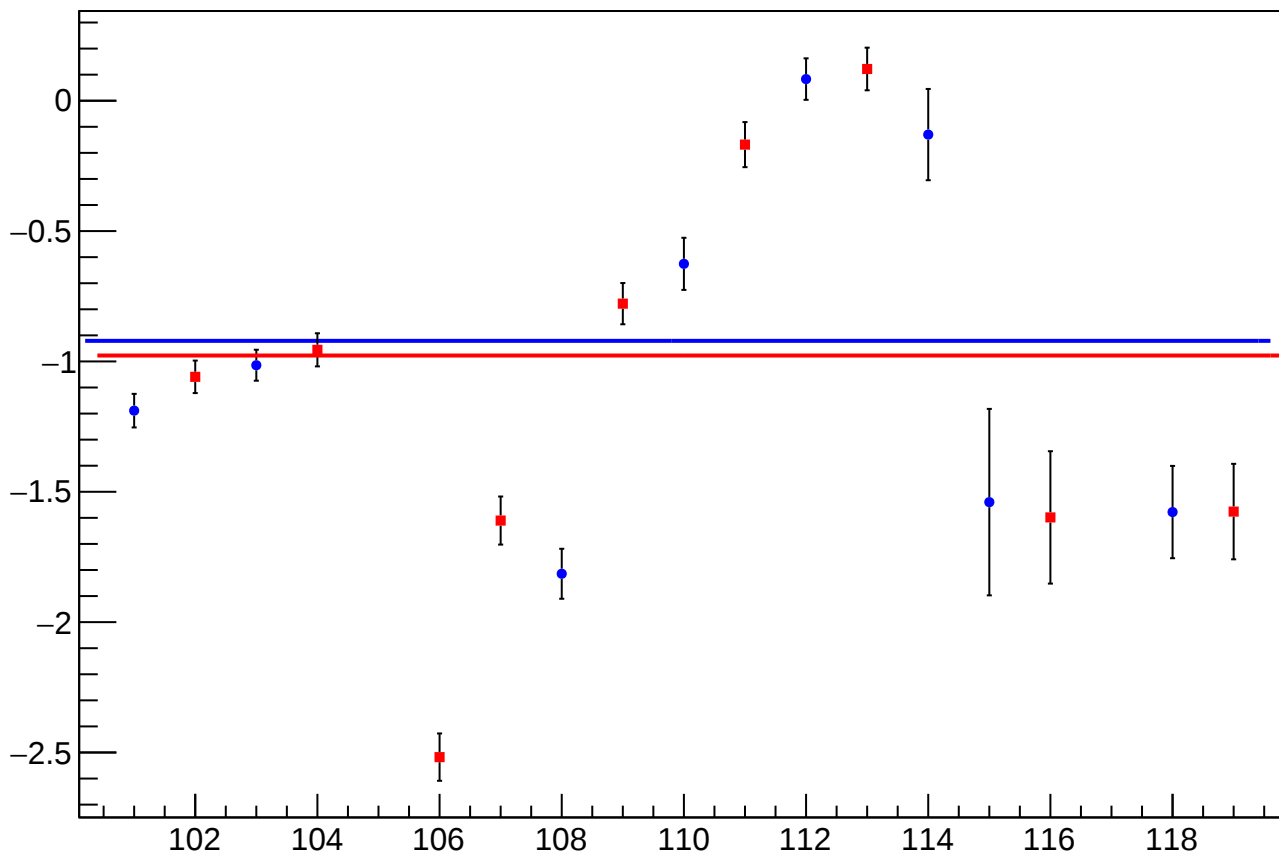
Right: 86.286+/-0.436  $\chi^2/\text{NDF}$ : 4936.4/16

In: 87.875+/-0.627  $\chi^2/\text{NDF}$ : 2247.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 86.286+/-0.436  $\chi^2/\text{NDF}$ : 4936.4/16

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.921+/-0.032  $\chi^2/\text{NDF}$ : 311.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.977+/-0.028  $\chi^2/\text{NDF}$ : 627.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

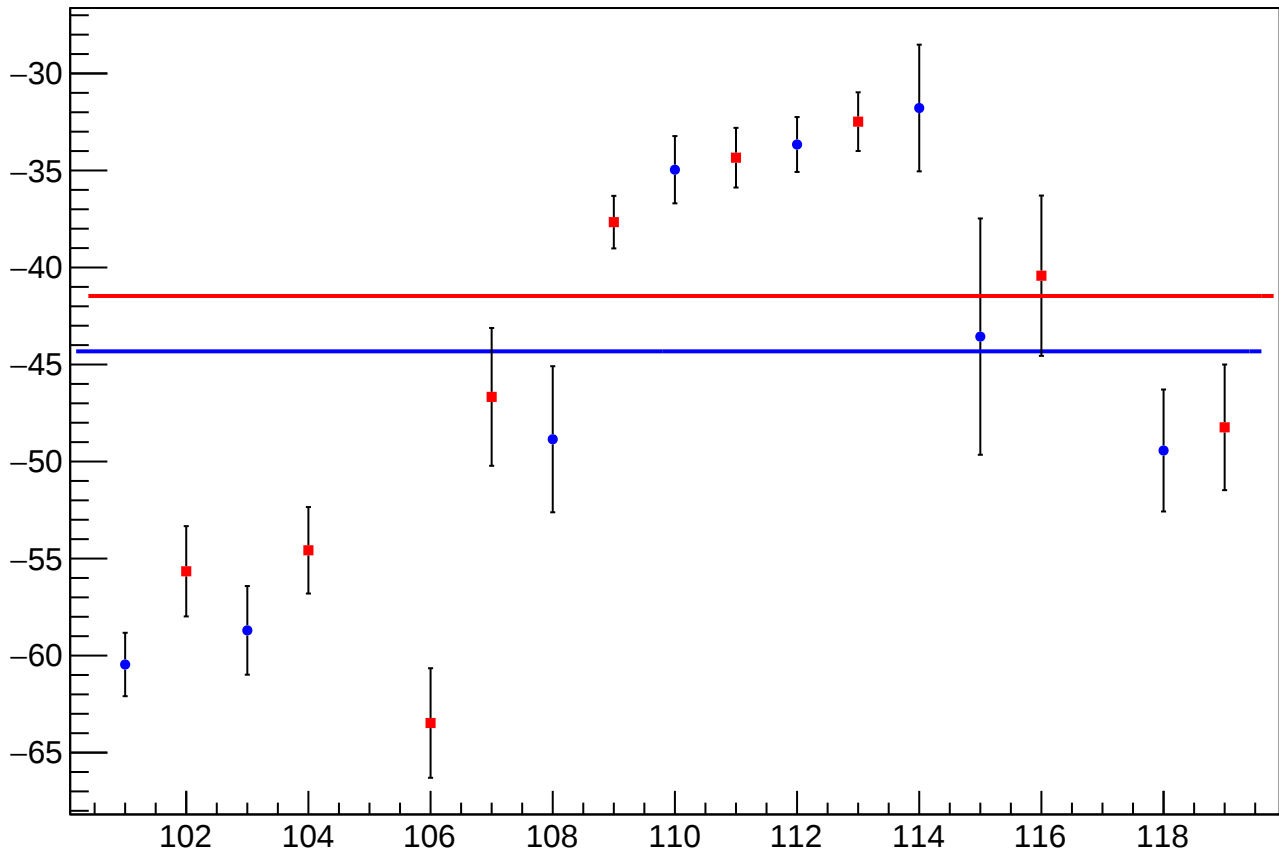
Right: -0.953+/-0.021  $\chi^2/\text{NDF}$ : 941.4/16

In: -0.921+/-0.032  $\chi^2/\text{NDF}$ :311.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.953+/-0.021  $\chi^2/\text{NDF}$ : 941.4/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-44.321 \pm 0.769$   $\chi^2/\text{NDF}$ : 242.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.468 \pm 0.682$   $\chi^2/\text{NDF}$ : 203.7/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

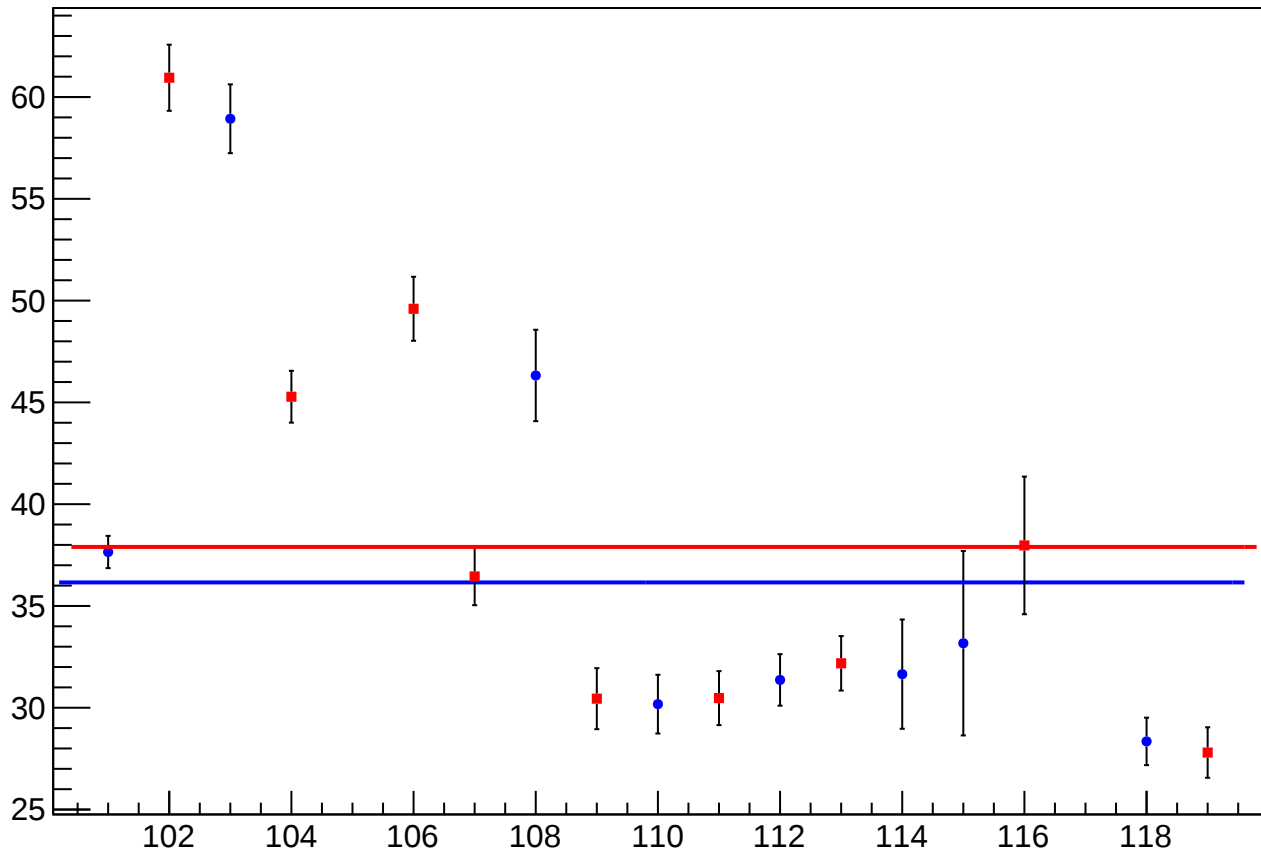
Right:  $-42.724 \pm 0.510$   $\chi^2/\text{NDF}$ : 453.4/16

In:  $-44.321 \pm 0.769$   $\chi^2/\text{NDF}$ : 242.0/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.724 \pm 0.510$   $\chi^2/\text{NDF}$ : 453.4/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 36.157+/-0.489  $\chi^2/\text{NDF}$ : 285.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 37.901+/-0.487  $\chi^2/\text{NDF}$ : 431.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

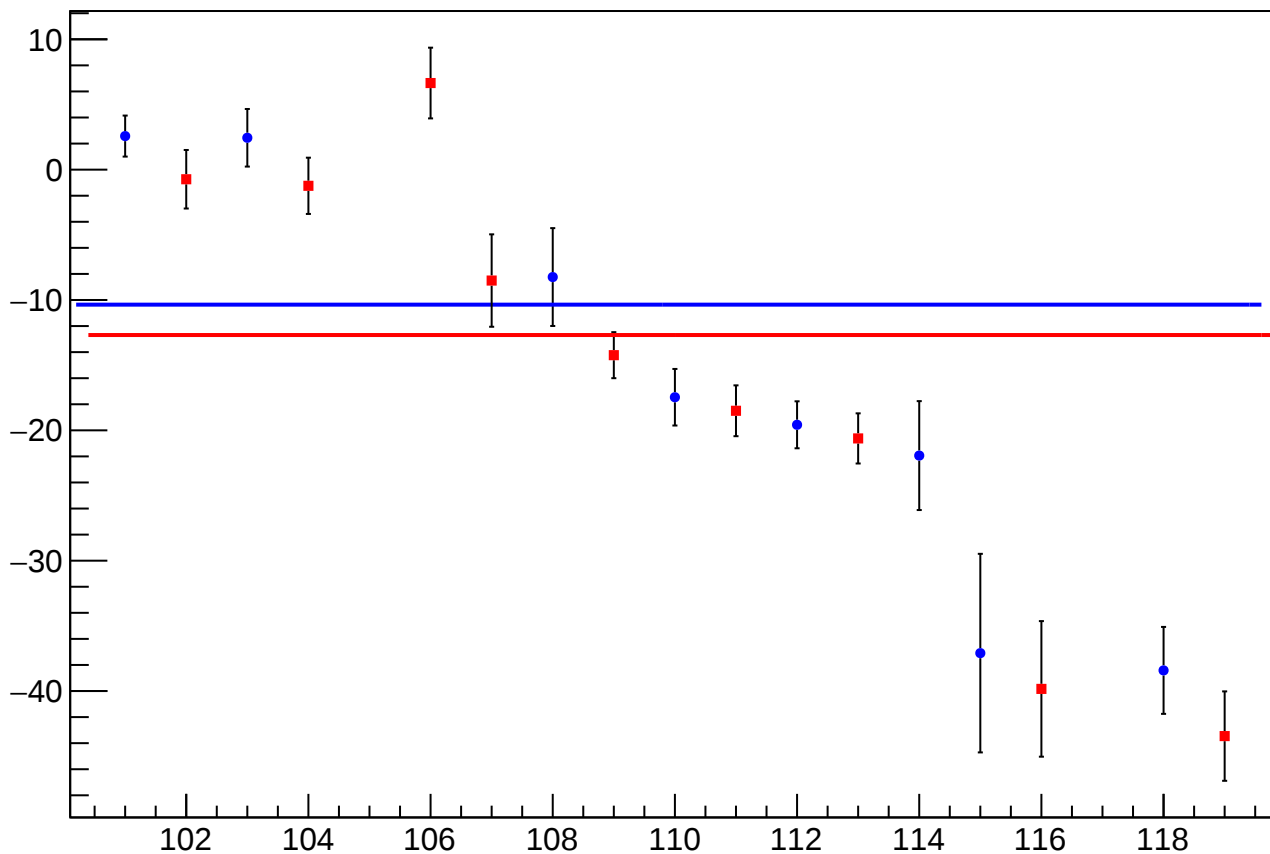
Right: 37.033+/-0.345  $\chi^2/\text{NDF}$ : 723.5/16

In: 36.157+/-0.489  $\chi^2/\text{NDF}$ : 285.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.033+/-0.345  $\chi^2/\text{NDF}$ : 723.5/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -10.357 $\pm$ 0.856  $\chi^2$ /NDF: 229.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.688 $\pm$ 0.789  $\chi^2$ /NDF: 243.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

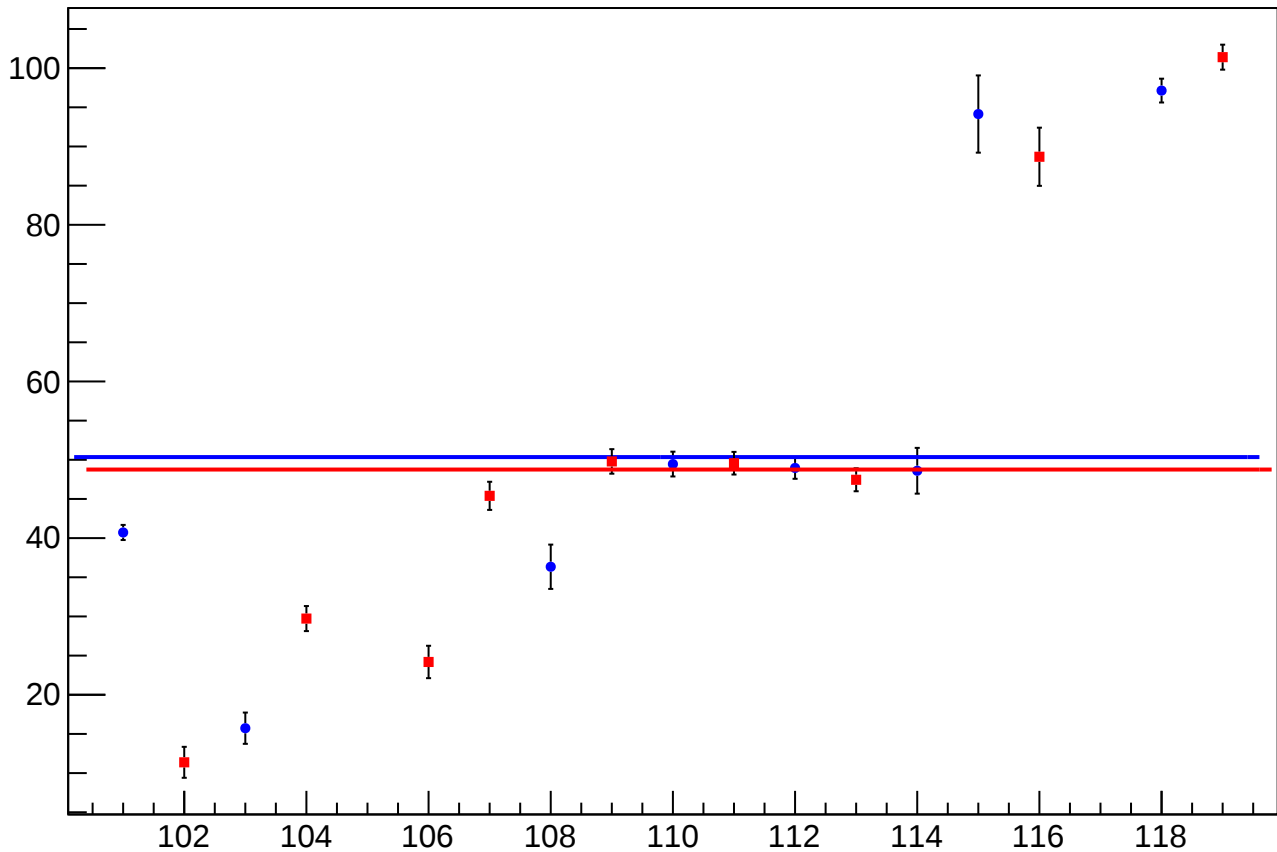
Right: -11.617 $\pm$ 0.580  $\chi^2$ /NDF: 476.0/16

In: -10.357 $\pm$ 0.856  $\chi^2$ /NDF:229.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -11.617 $\pm$ 0.580  $\chi^2$ /NDF: 476.0/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 50.346+/-0.581  $\chi^2/\text{NDF}$ : 1452.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 48.755+/-0.577  $\chi^2/\text{NDF}$ : 1850.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

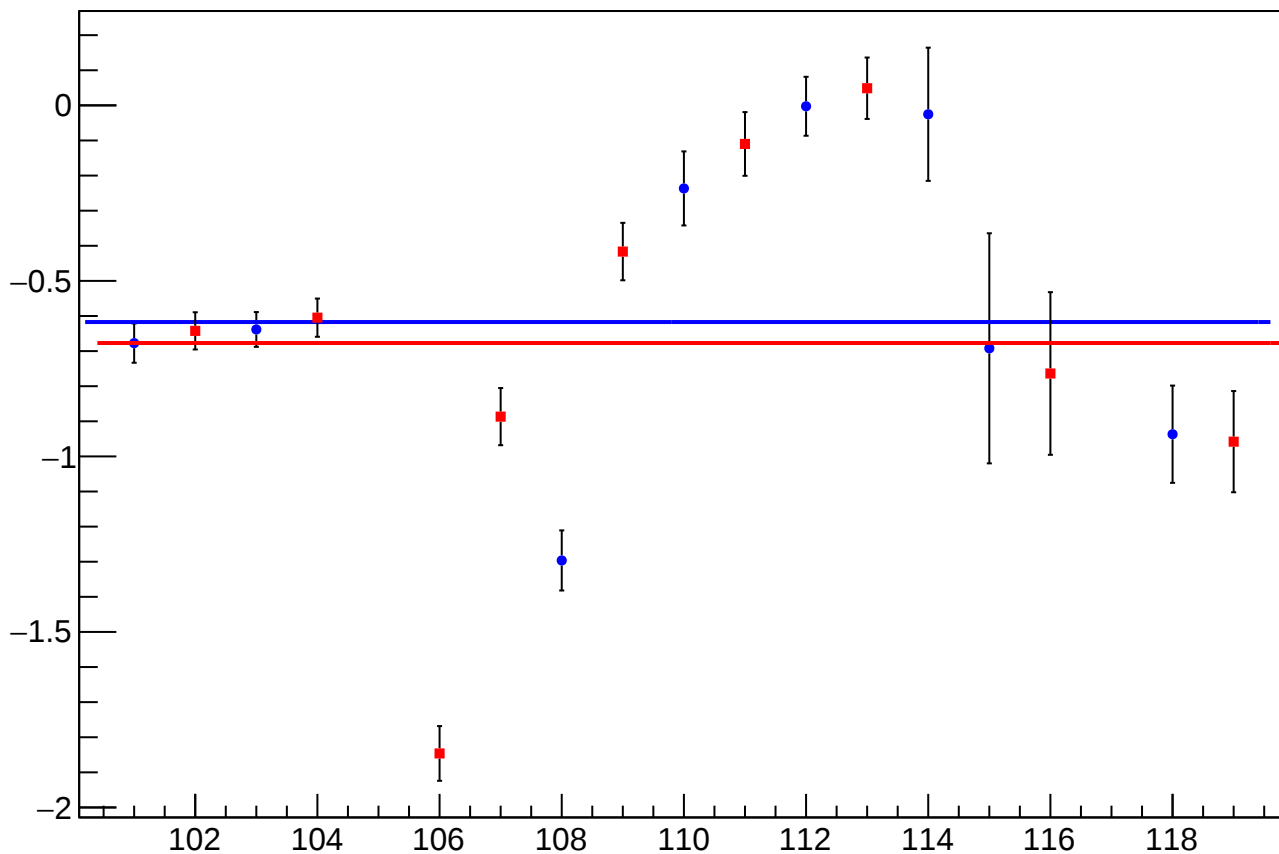
Right: 49.544+/-0.409  $\chi^2/\text{NDF}$ : 3307.3/16

In: 50.346+/-0.581  $\chi^2/\text{NDF}$ : 1452.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 49.544+/-0.409  $\chi^2/\text{NDF}$ : 3307.3/16

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.617 $\pm$ 0.029  $\chi^2$ /NDF: 146.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.677 $\pm$ 0.026  $\chi^2$ /NDF: 356.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

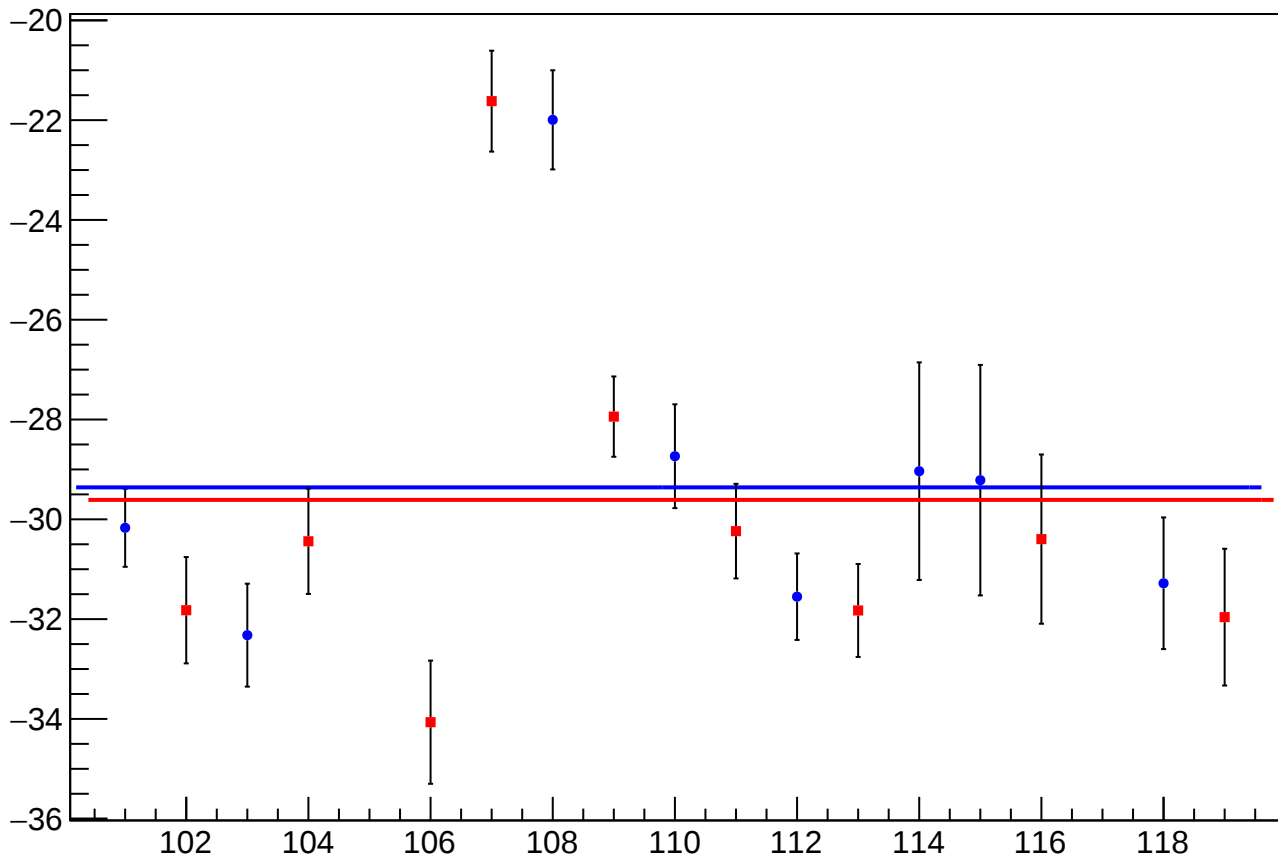
Right: -0.650 $\pm$ 0.019  $\chi^2$ /NDF: 504.4/16

In: -0.617 $\pm$ 0.029  $\chi^2$ /NDF:146.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.650 $\pm$ 0.019  $\chi^2$ /NDF: 504.4/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -29.359 $\pm$ 0.383  $\chi^2$ /NDF: 73.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.611 $\pm$ 0.351  $\chi^2$ /NDF: 93.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

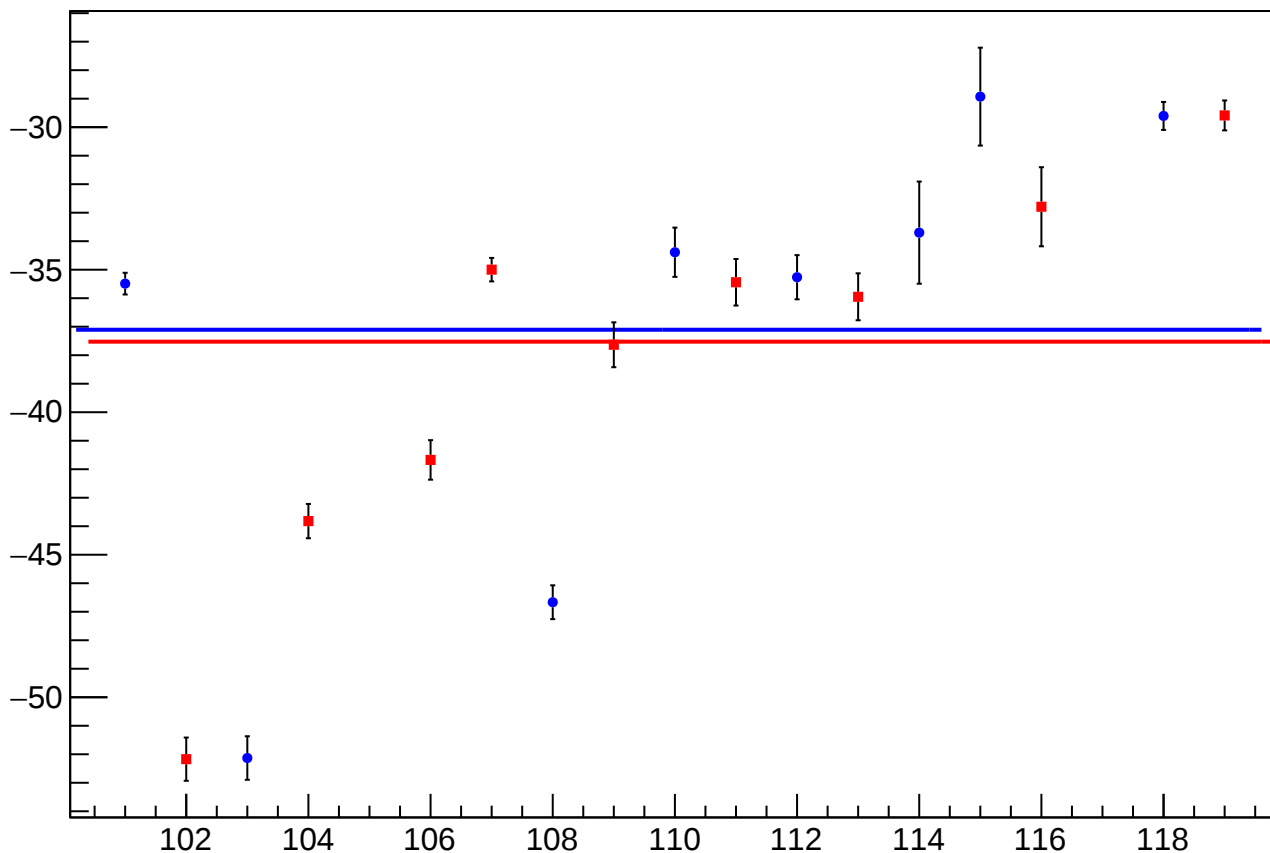
Right: -29.496 $\pm$ 0.259  $\chi^2$ /NDF: 167.3/16

In: -29.359 $\pm$ 0.383  $\chi^2$ /NDF: 73.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -29.496 $\pm$ 0.259  $\chi^2$ /NDF: 167.3/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-37.106 \pm 0.228$   $\chi^2/\text{NDF}$ : 940.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-37.525 \pm 0.217$   $\chi^2/\text{NDF}$ : 806.1/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

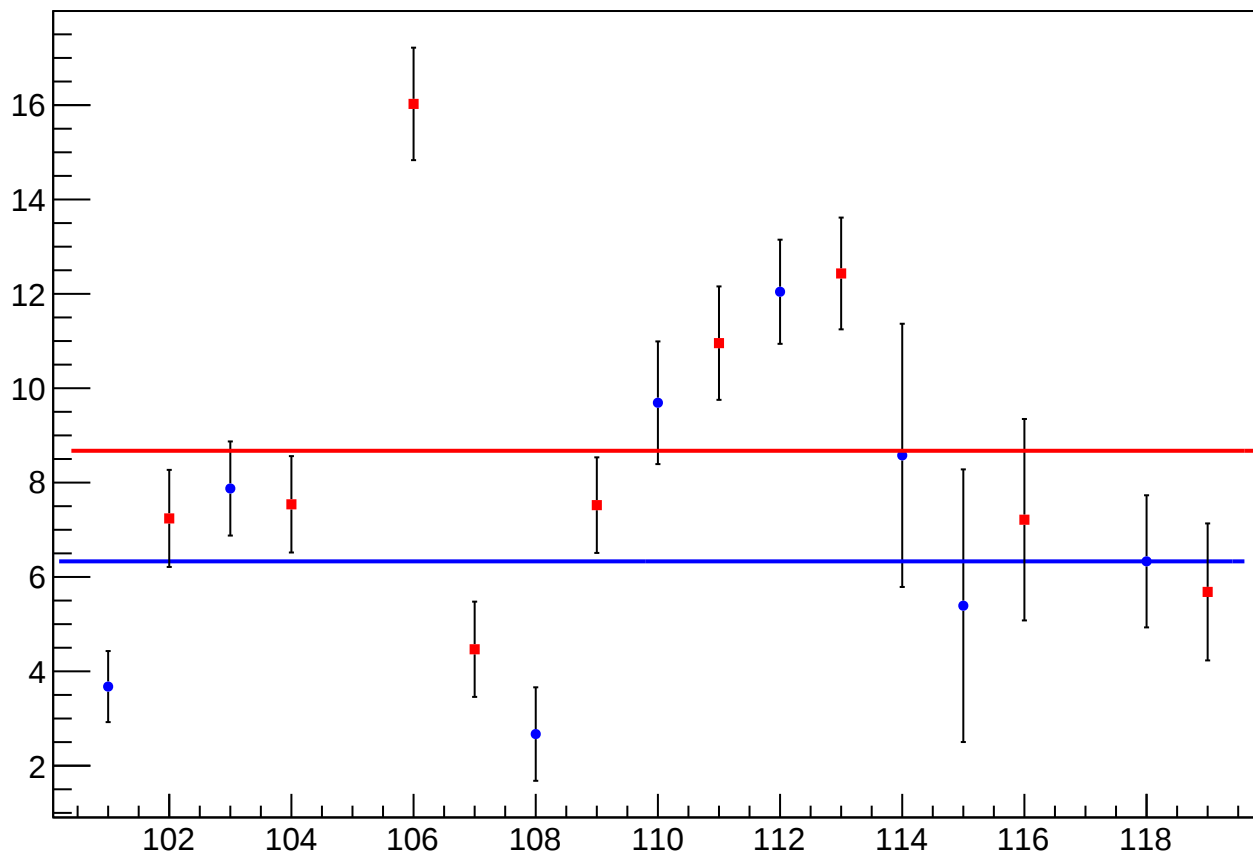
Right:  $-37.326 \pm 0.157$   $\chi^2/\text{NDF}$ : 1748.7/16

In:  $-37.106 \pm 0.228$   $\chi^2/\text{NDF}$ : 940.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-37.326 \pm 0.157$   $\chi^2/\text{NDF}$ : 1748.7/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.331+/-0.410  $\chi^2/\text{NDF}$ : 62.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.674+/-0.387  $\chi^2/\text{NDF}$ : 78.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

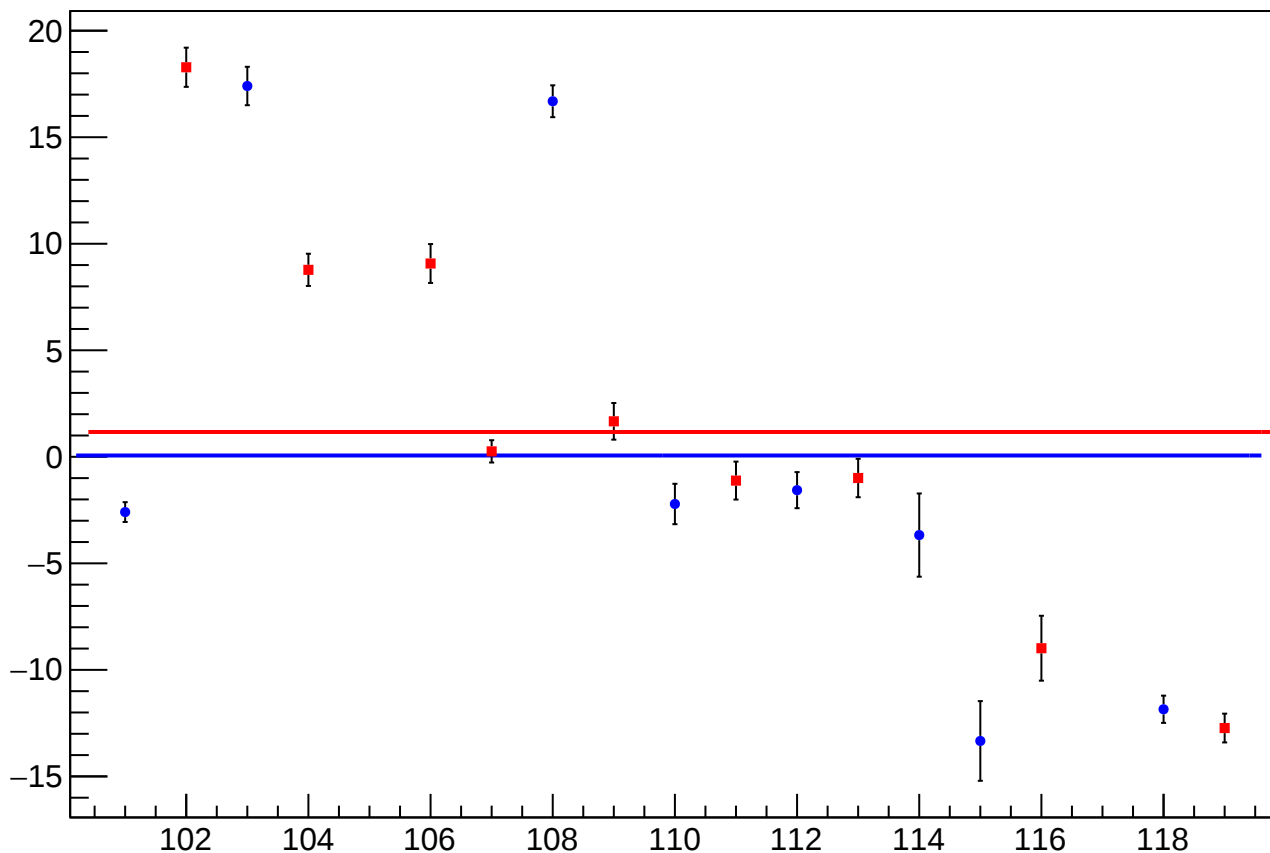
Right: 7.568+/-0.281  $\chi^2/\text{NDF}$ : 158.2/16

In: 6.331+/-0.410  $\chi^2/\text{NDF}$ : 62.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.568+/-0.281  $\chi^2/\text{NDF}$ : 158.2/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.061+/-0.276  $\chi^2/\text{NDF}$ : 1309.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.166+/-0.265  $\chi^2/\text{NDF}$ : 1006.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

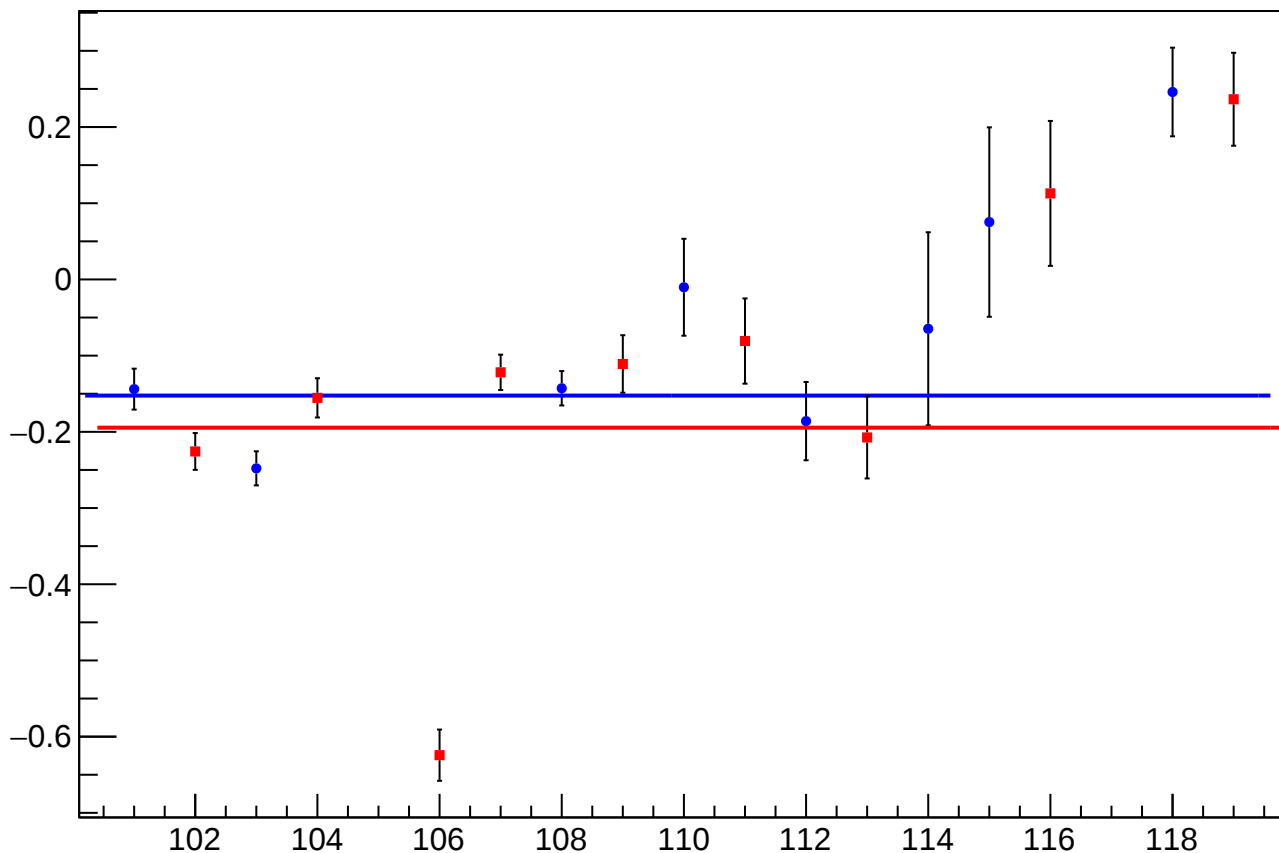
Right: 0.635+/-0.191  $\chi^2/\text{NDF}$ : 2324.1/16

In: 0.061+/-0.276  $\chi^2/\text{NDF}$ : 1309.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.635+/-0.191  $\chi^2/\text{NDF}$ : 2324.1/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.152 \pm 0.012$   $\chi^2/\text{NDF}$ : 74.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.195 \pm 0.011$   $\chi^2/\text{NDF}$ : 246.8/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

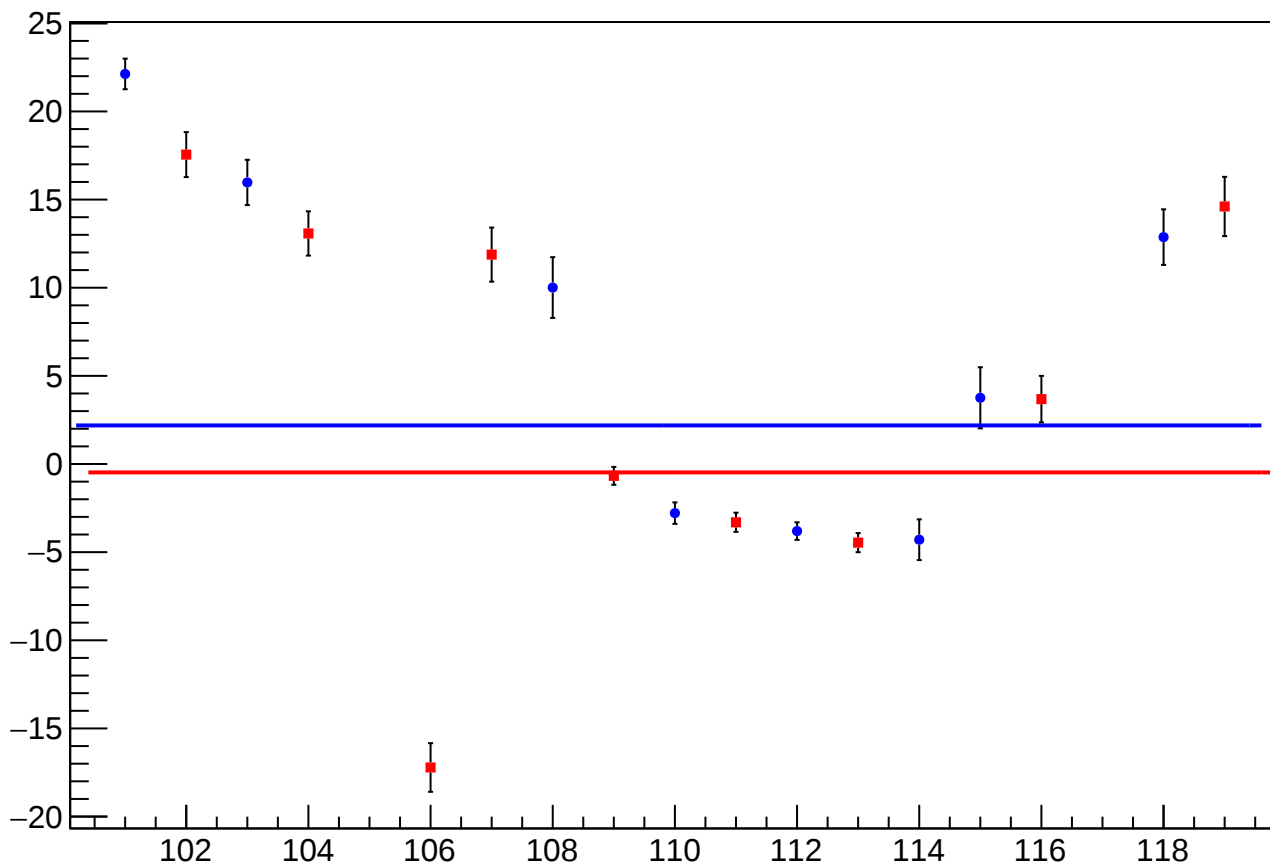
Right:  $-0.175 \pm 0.008$   $\chi^2/\text{NDF}$ : 327.7/16

In:  $-0.152 \pm 0.012$   $\chi^2/\text{NDF}$ : 74.7/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.175 \pm 0.008$   $\chi^2/\text{NDF}$ : 327.7/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.188+/-0.309  $\chi^2/\text{NDF}$ : 953.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.477+/-0.269  $\chi^2/\text{NDF}$ : 699.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

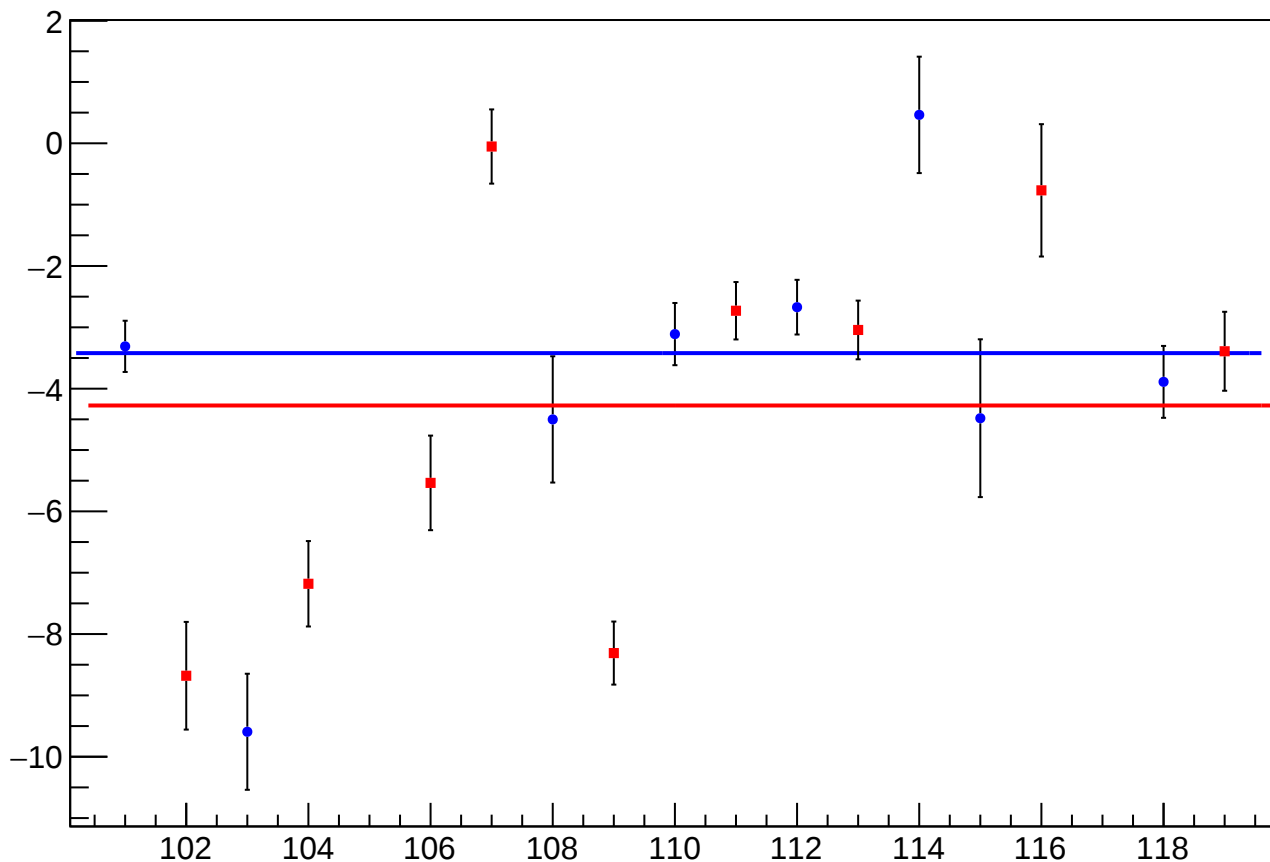
Right: 0.674+/-0.203  $\chi^2/\text{NDF}$ : 1695.8/16

In: 2.188+/-0.309  $\chi^2/\text{NDF}$ : 953.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.674+/-0.203  $\chi^2/\text{NDF}$ : 1695.8/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.420+/-0.216  $\chi^2/\text{NDF}$ : 65.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.274+/-0.205  $\chi^2/\text{NDF}$ : 185.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

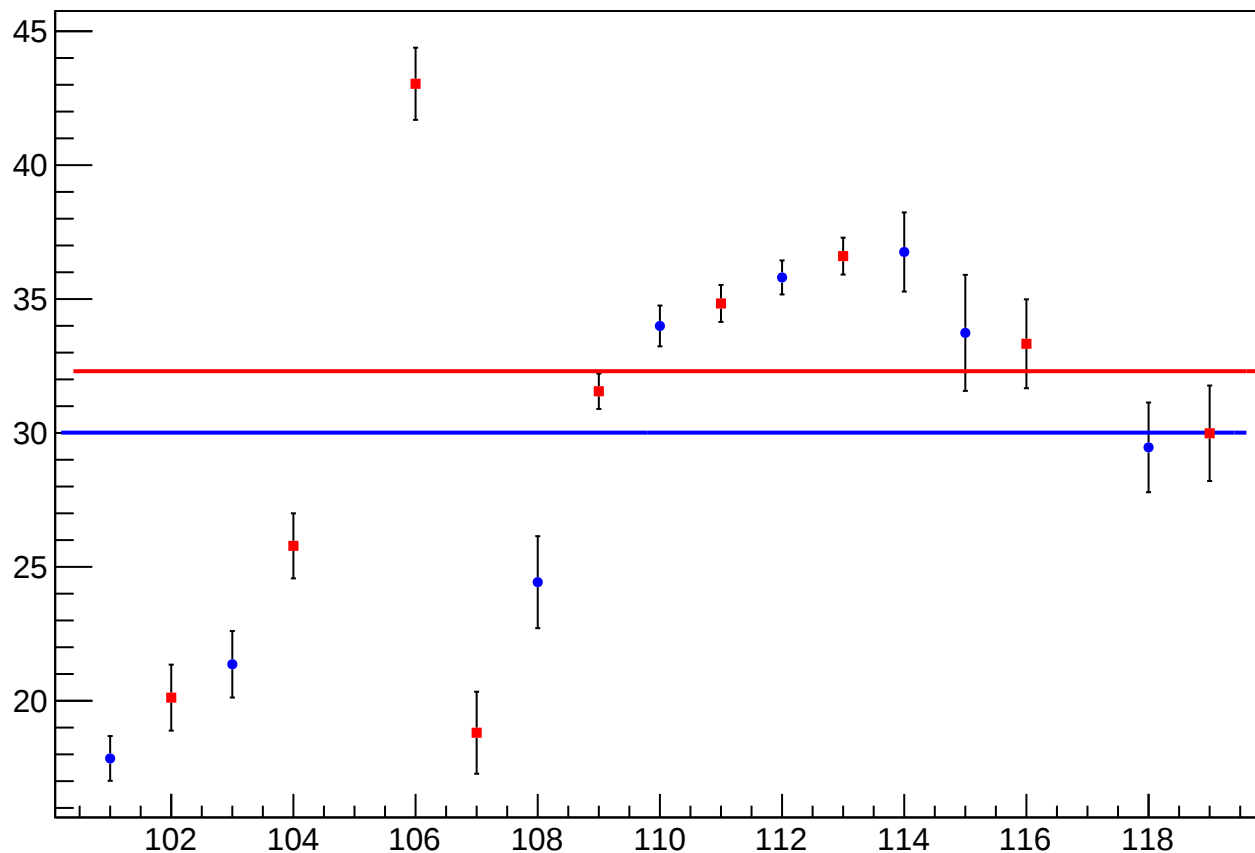
Right: -3.870+/-0.149  $\chi^2/\text{NDF}$ : 258.8/16

In: -3.420+/-0.216  $\chi^2/\text{NDF}$ : 65.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.870+/-0.149  $\chi^2/\text{NDF}$ : 258.8/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 30.012 $\pm$ 0.361  $\chi^2$ /NDF: 405.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.306 $\pm$ 0.325  $\chi^2$ /NDF: 323.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

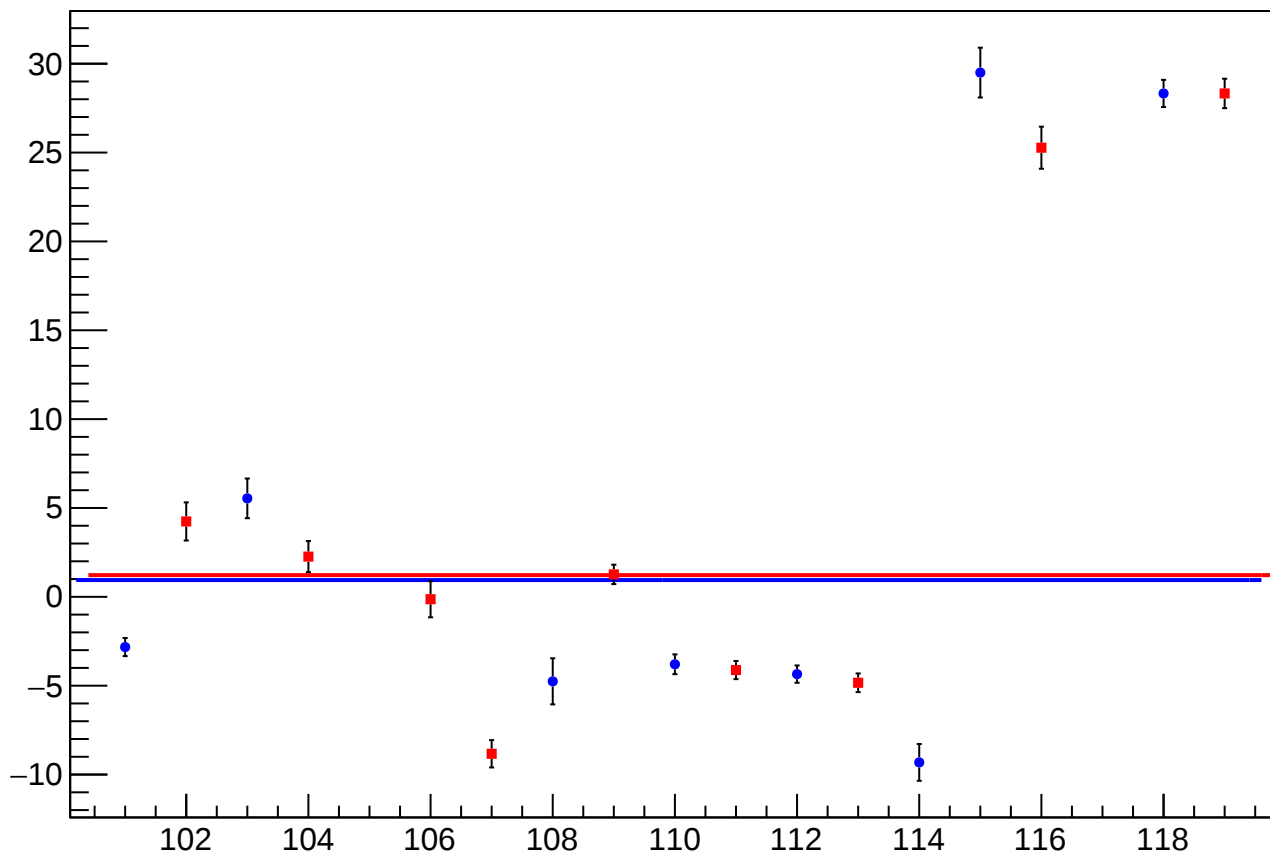
Right: 31.282 $\pm$ 0.242  $\chi^2$ /NDF: 751.5/16

In: 30.012 $\pm$ 0.361  $\chi^2$ /NDF:405.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 31.282 $\pm$ 0.242  $\chi^2$ /NDF: 751.5/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.944+/-0.251  $\chi^2/\text{NDF}$ : 2076.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1.221+/-0.237  $\chi^2/\text{NDF}$ : 1906.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

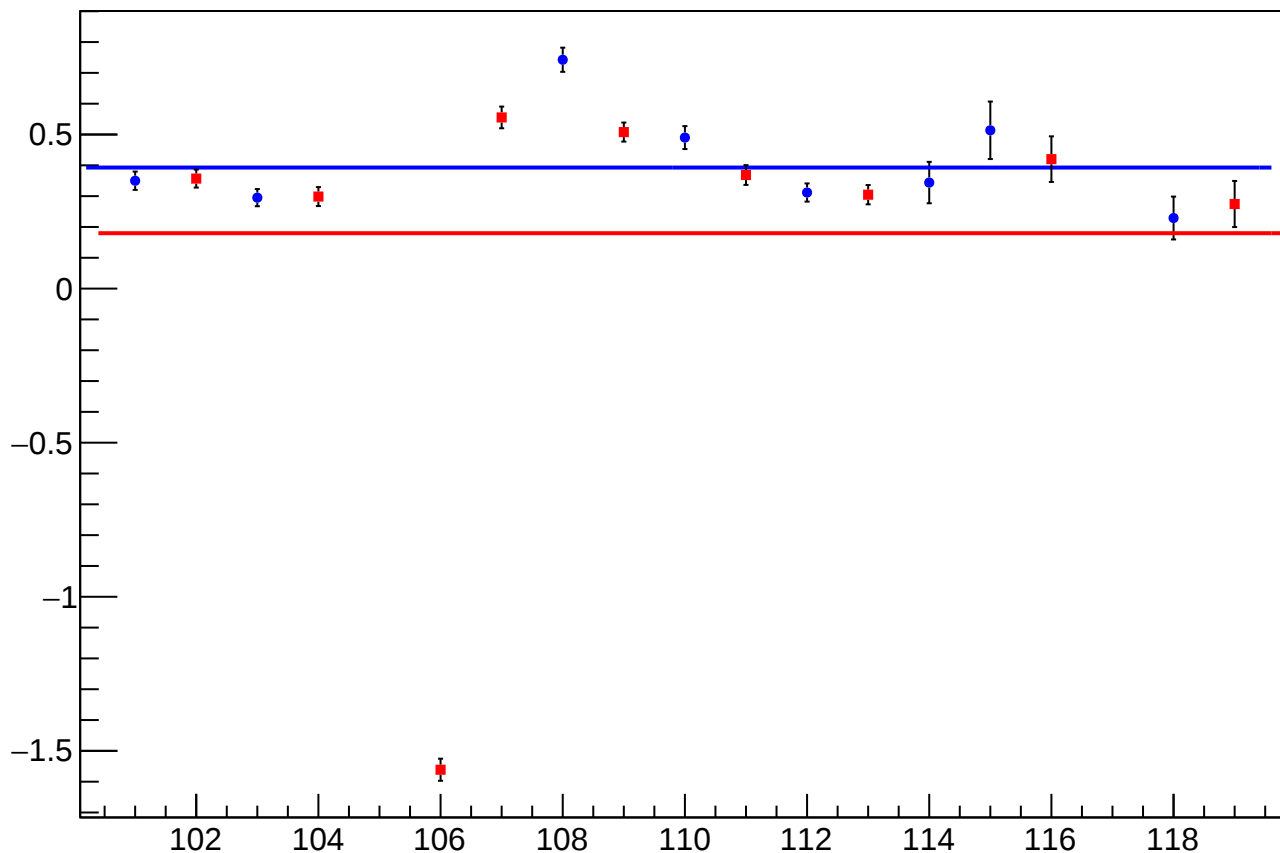
Right: 1.091+/-0.172  $\chi^2/\text{NDF}$ : 3984.0/16

In: 0.944+/-0.251  $\chi^2/\text{NDF}$ :2076.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1.091+/-0.172  $\chi^2/\text{NDF}$ : 3984.0/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.393+/-0.014  $\chi^2/\text{NDF}$ : 116.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.180+/-0.012  $\chi^2/\text{NDF}$ : 2694.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

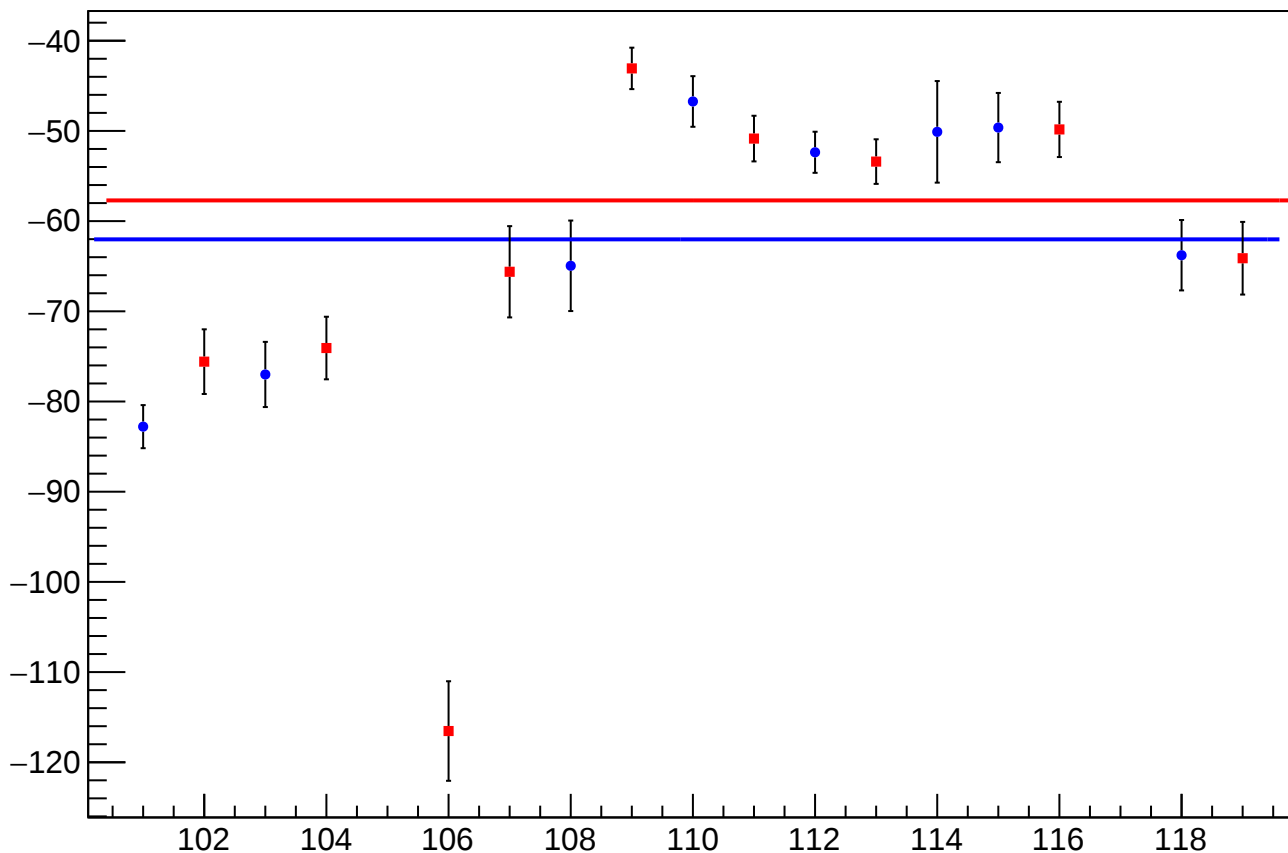
Right: 0.272+/-0.009  $\chi^2/\text{NDF}$ : 2951.5/16

In: 0.393+/-0.014  $\chi^2/\text{NDF}$ : 116.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.272+/-0.009  $\chi^2/\text{NDF}$ : 2951.5/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.022+/-1.135  $\chi^2/\text{NDF}$ : 155.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -57.704+/-1.048  $\chi^2/\text{NDF}$ : 223.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

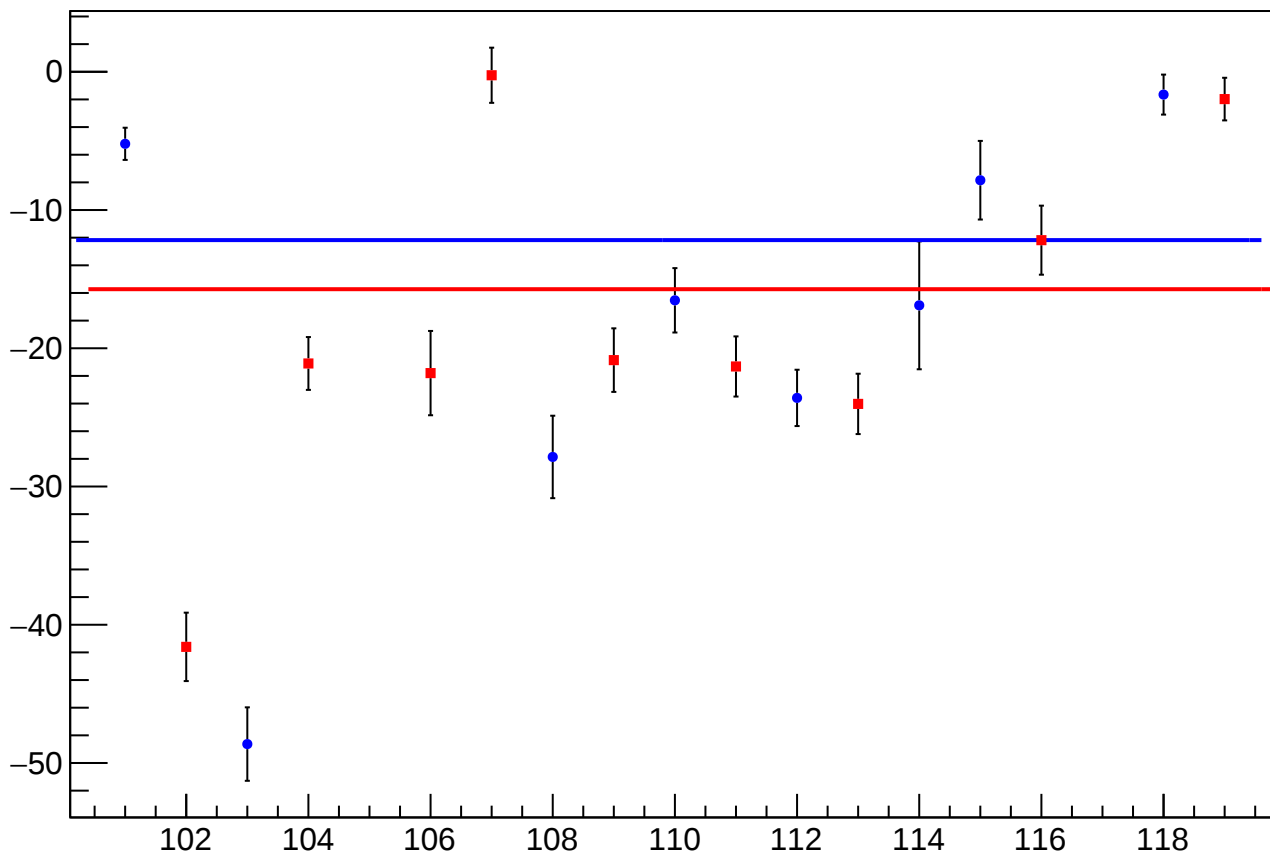
Right: -59.692+/-0.770  $\chi^2/\text{NDF}$ : 386.9/16

In: -62.022+/-1.135  $\chi^2/\text{NDF}$ : 155.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -59.692+/-0.770  $\chi^2/\text{NDF}$ : 386.9/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -12.176+/-0.696  $\chi^2/\text{NDF}$ : 342.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -15.727+/-0.709  $\chi^2/\text{NDF}$ : 289.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

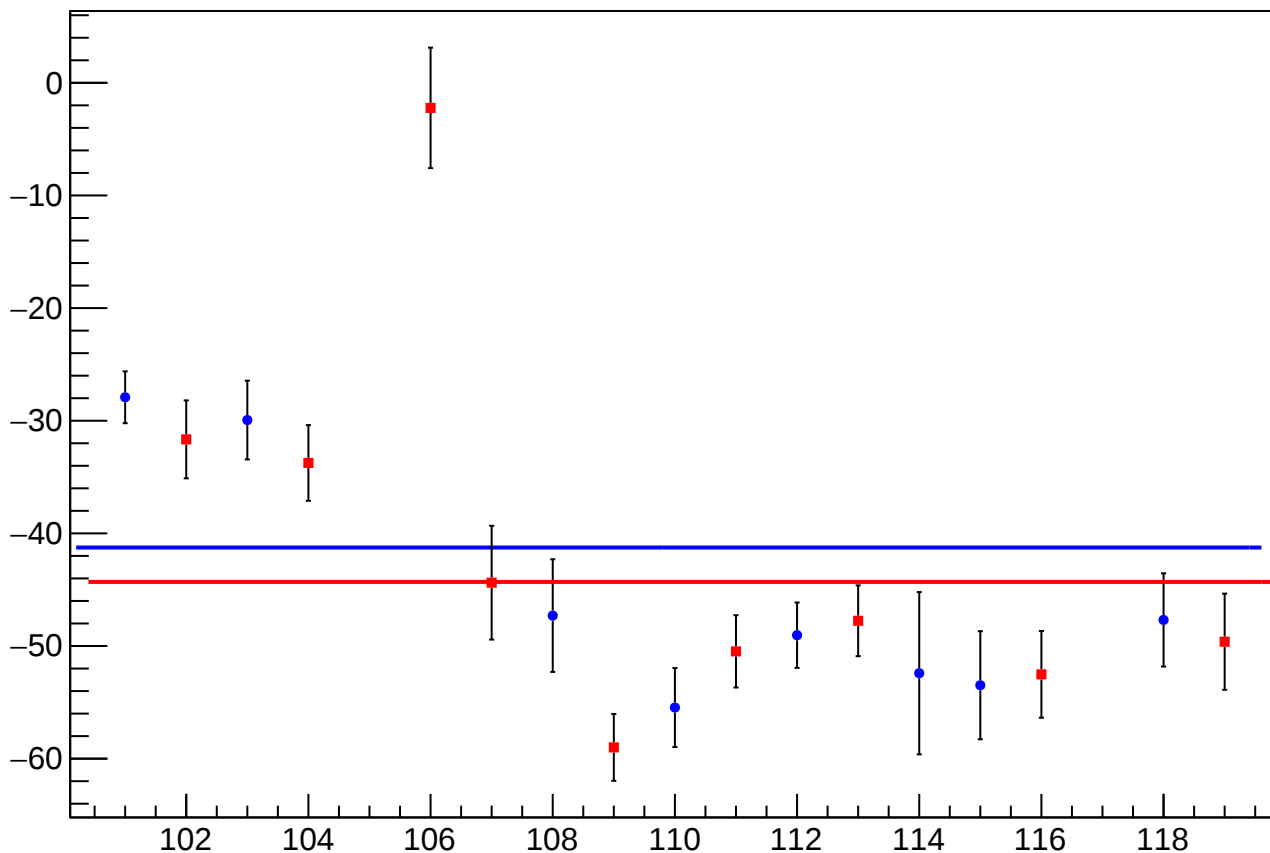
Right: -13.917+/-0.497  $\chi^2/\text{NDF}$ : 644.7/16

In: -12.176+/-0.696  $\chi^2/\text{NDF}$ : 342.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.917+/-0.497  $\chi^2/\text{NDF}$ : 644.7/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -41.255+/-1.258  $\chi^2/\text{NDF}$ : 80.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -44.310+/-1.212  $\chi^2/\text{NDF}$ : 120.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

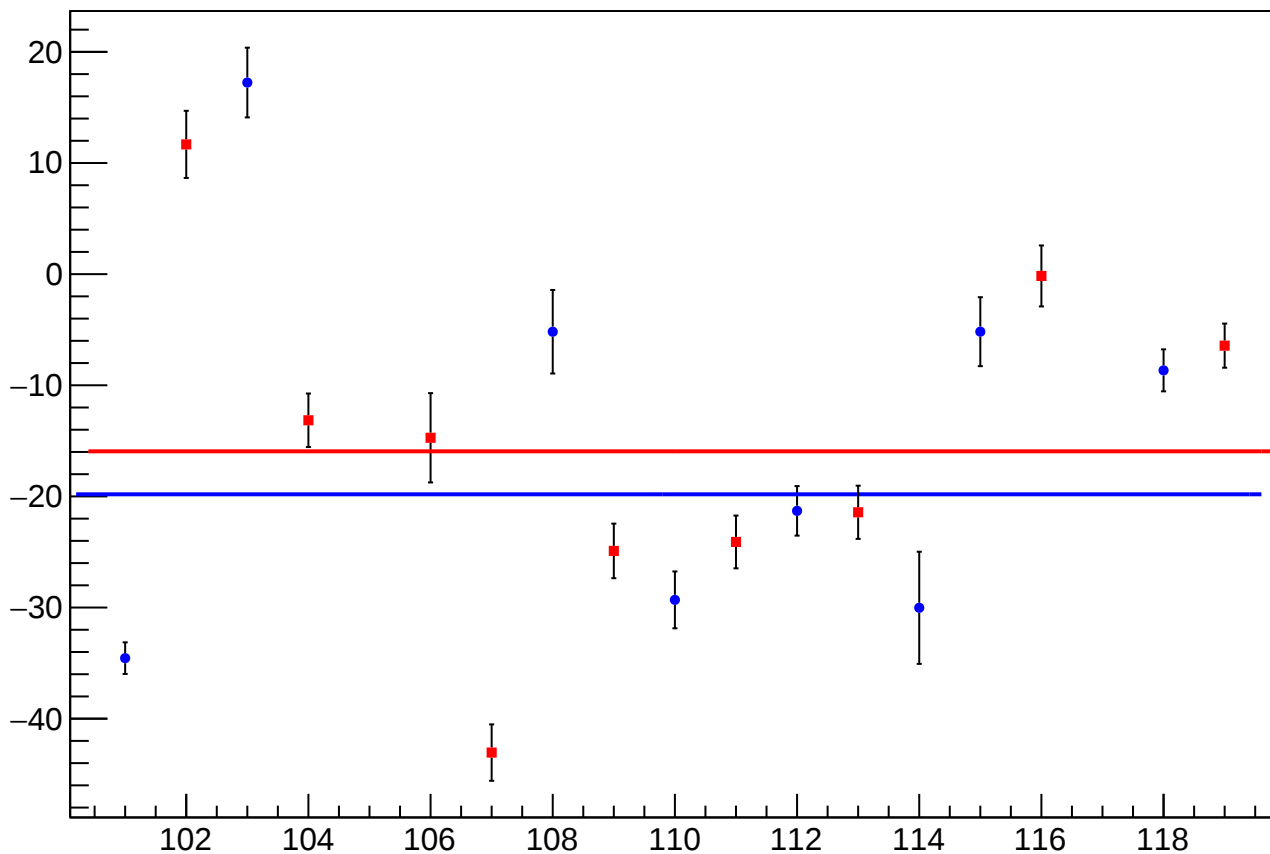
Right: -42.839+/-0.873  $\chi^2/\text{NDF}$ : 204.2/16

In: -41.255+/-1.258  $\chi^2/\text{NDF}$ : 80.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -42.839+/-0.873  $\chi^2/\text{NDF}$ : 204.2/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-19.810 \pm 0.832$   $\chi^2/\text{NDF}$ : 337.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-15.943 \pm 0.844$   $\chi^2/\text{NDF}$ : 285.4/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

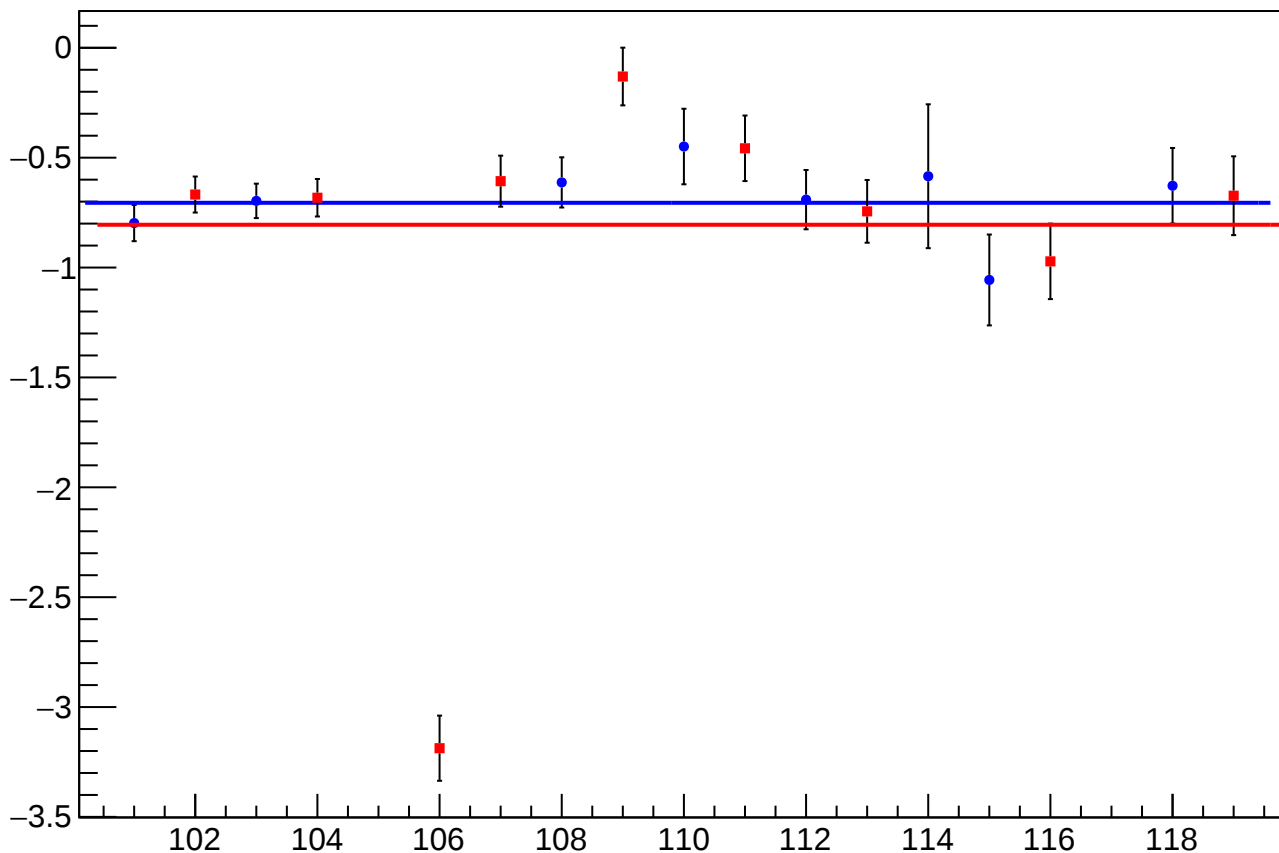
Right:  $-17.905 \pm 0.592$   $\chi^2/\text{NDF}$ : 633.7/16

In:  $-19.810 \pm 0.832$   $\chi^2/\text{NDF}$ : 337.6/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.905 \pm 0.592$   $\chi^2/\text{NDF}$ : 633.7/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.705 \pm 0.043$   $\chi^2/\text{NDF}$ : 7.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.805 \pm 0.040$   $\chi^2/\text{NDF}$ : 299.2/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

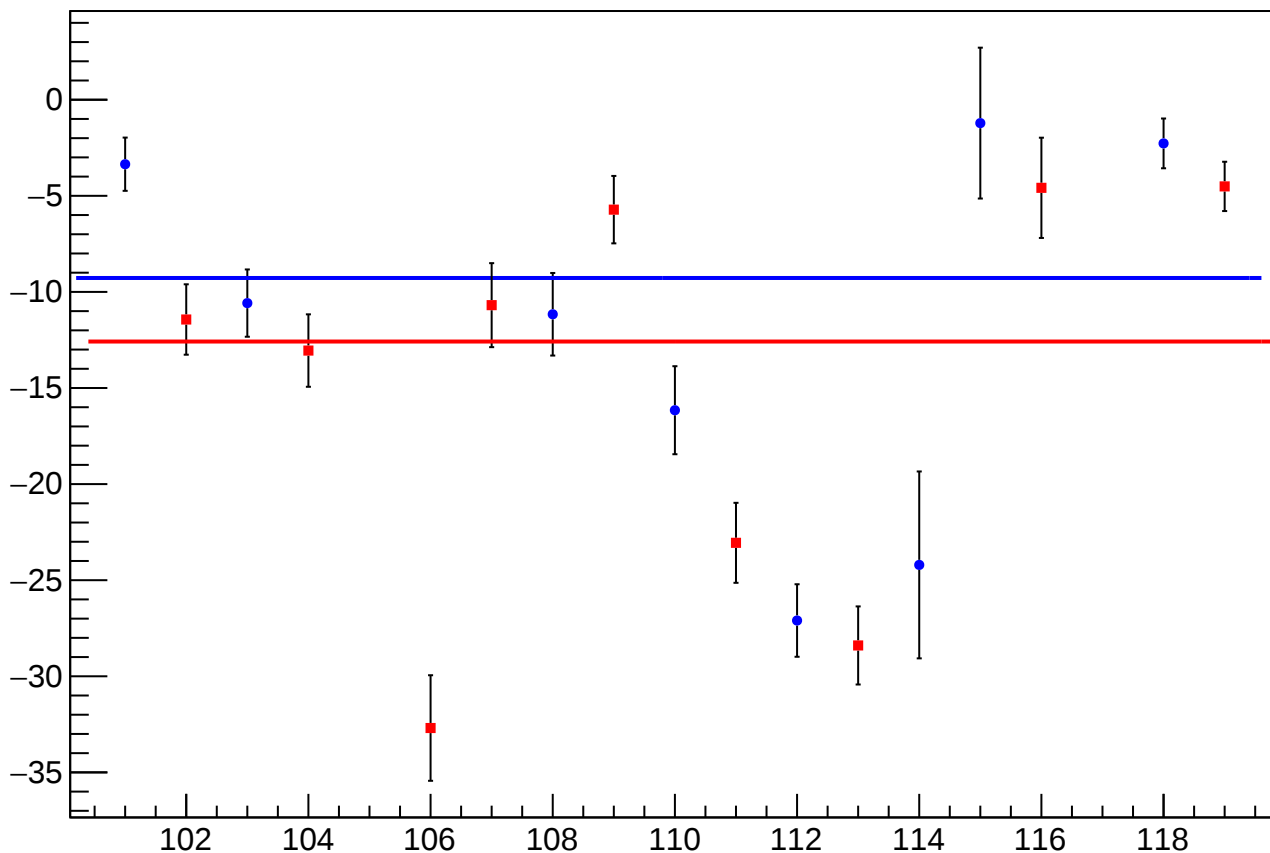
Right:  $-0.759 \pm 0.029$   $\chi^2/\text{NDF}$ : 309.5/16

In:  $-0.705 \pm 0.043$   $\chi^2/\text{NDF}$ : 7.4/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.759 \pm 0.029$   $\chi^2/\text{NDF}$ : 309.5/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -9.275+/-0.668  $\chi^2/\text{NDF}$ : 160.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -12.582+/-0.636  $\chi^2/\text{NDF}$ : 205.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

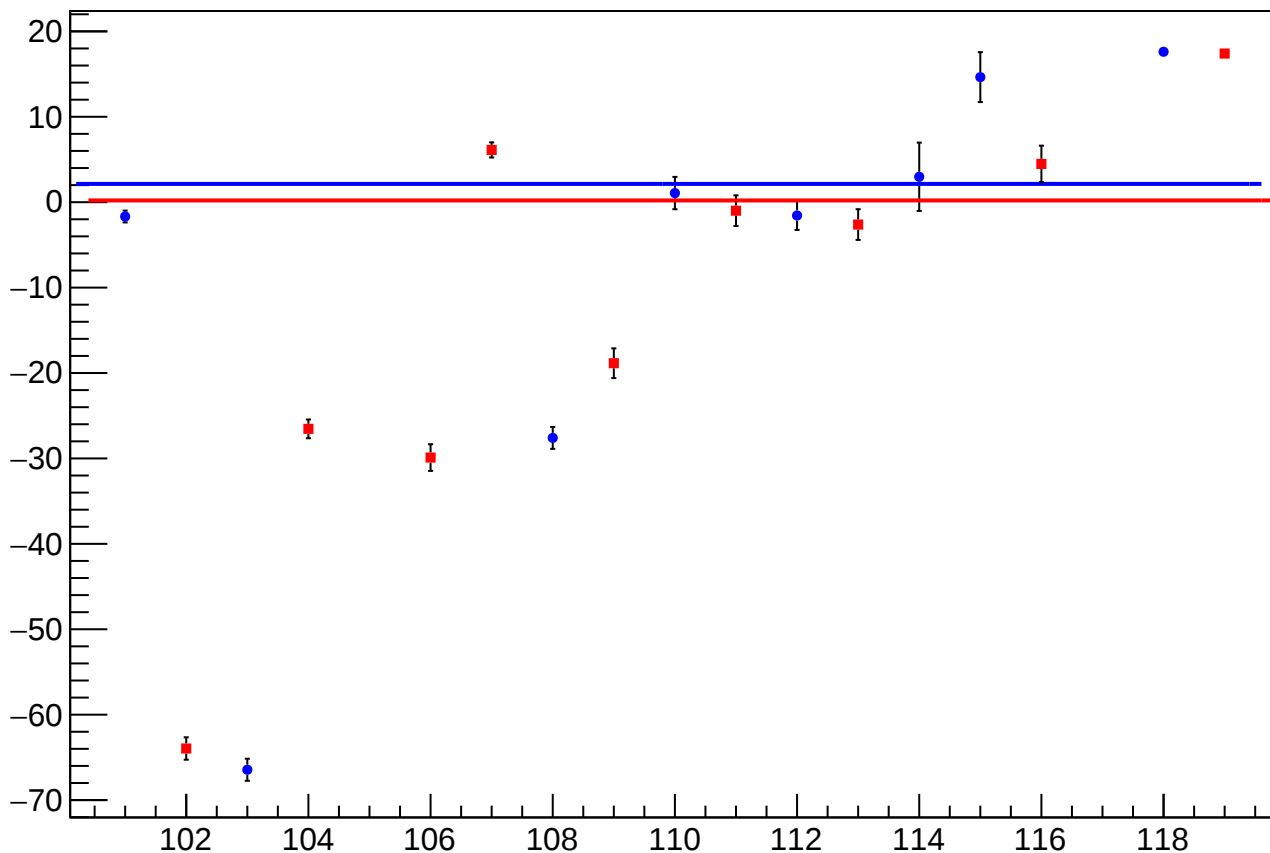
Right: -11.011+/-0.461  $\chi^2/\text{NDF}$ : 378.6/16

In: -9.275+/-0.668  $\chi^2/\text{NDF}$ : 160.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -11.011+/-0.461  $\chi^2/\text{NDF}$ : 378.6/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.141+/-0.344  $\chi^2/\text{NDF}$ : 4443.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.204+/-0.345  $\chi^2/\text{NDF}$ : 4747.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

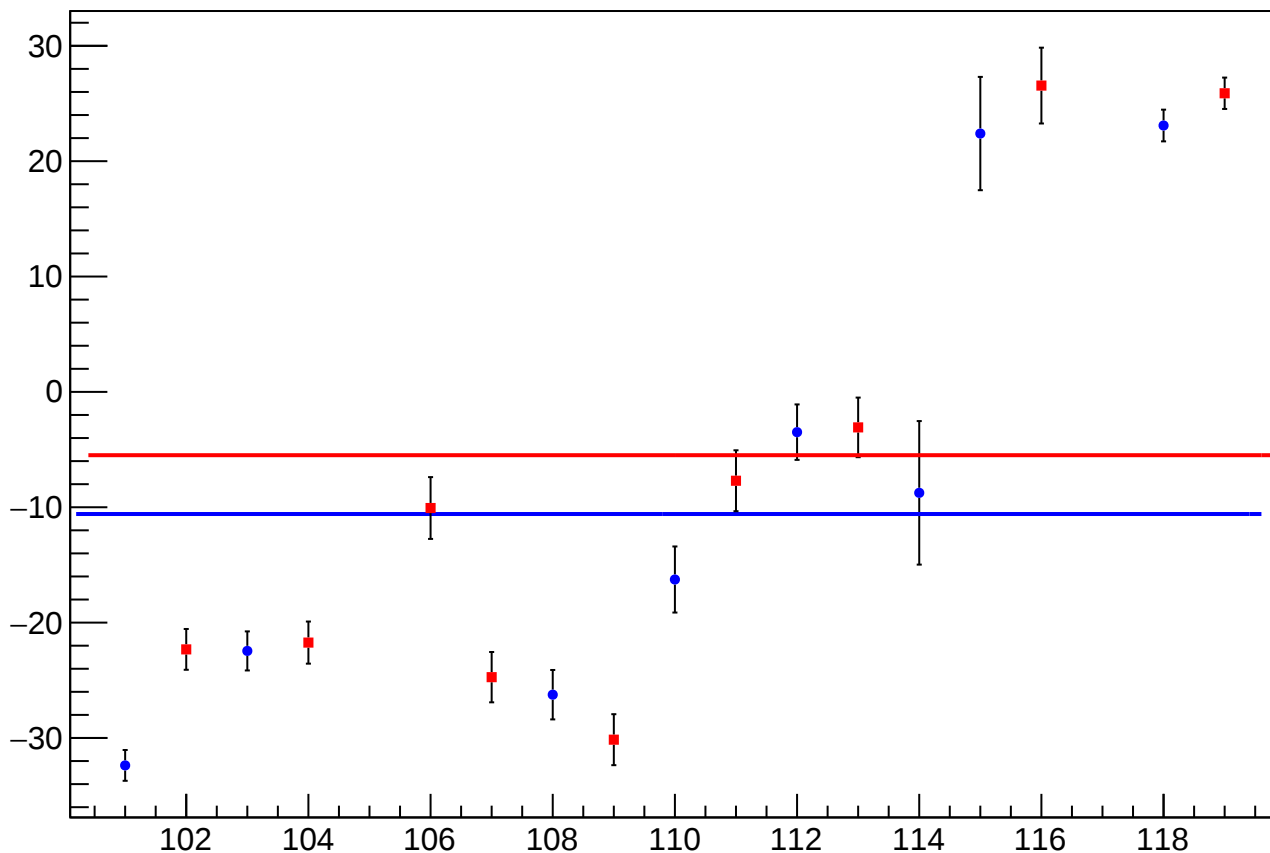
Right: 1.175+/-0.244  $\chi^2/\text{NDF}$ : 9206.6/16

In: 2.141+/-0.344  $\chi^2/\text{NDF}$ : 4443.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.175+/-0.244  $\chi^2/\text{NDF}$ : 9206.6/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -10.586 $\pm$ 0.704  $\chi^2$ /NDF: 1027.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.487 $\pm$ 0.690  $\chi^2$ /NDF: 1004.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

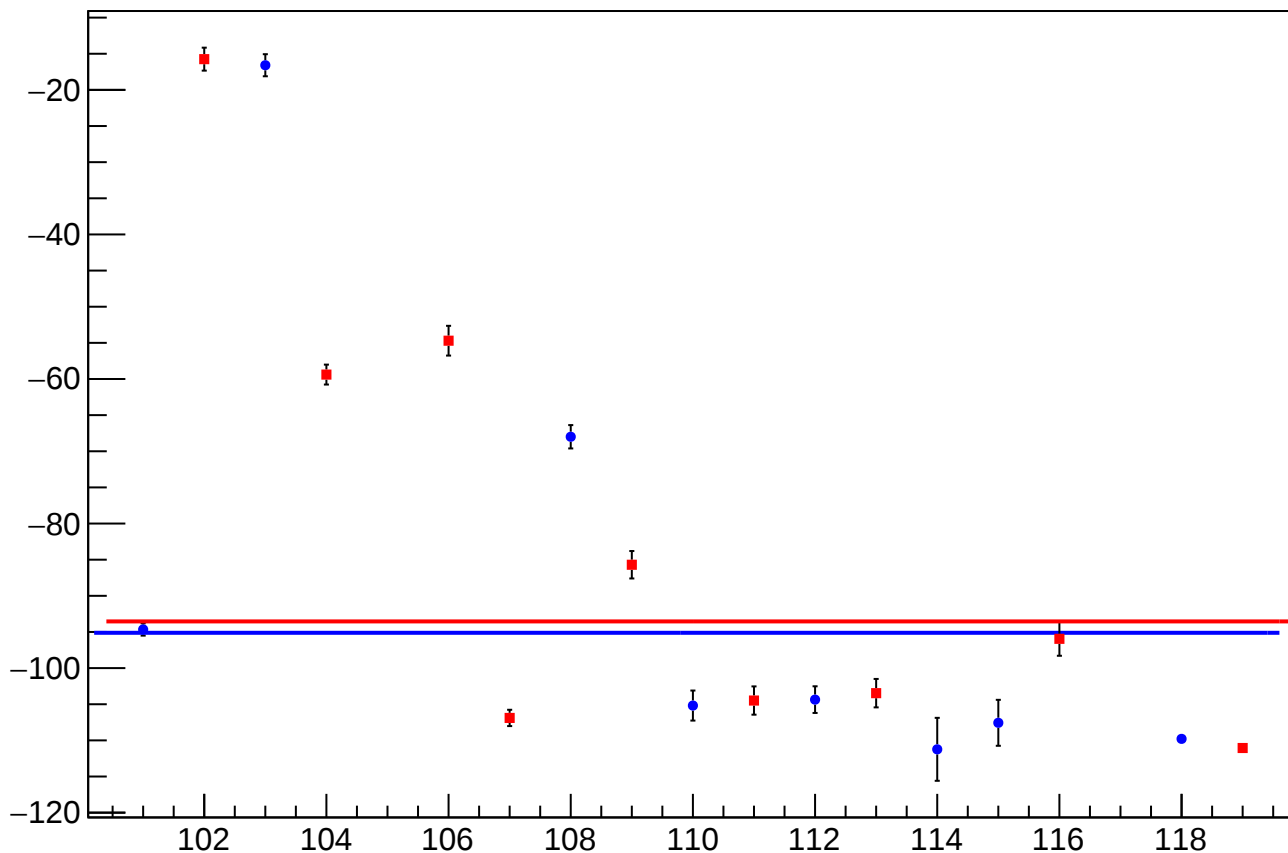
Right: -7.986 $\pm$ 0.493  $\chi^2$ /NDF: 2058.7/16

In: -10.586 $\pm$ 0.704  $\chi^2$ /NDF:1027.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -7.986 $\pm$ 0.493  $\chi^2$ /NDF: 2058.7/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -95.115+/-0.429  $\chi^2/\text{NDF}$ : 3555.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -93.541+/-0.429  $\chi^2/\text{NDF}$ : 4350.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

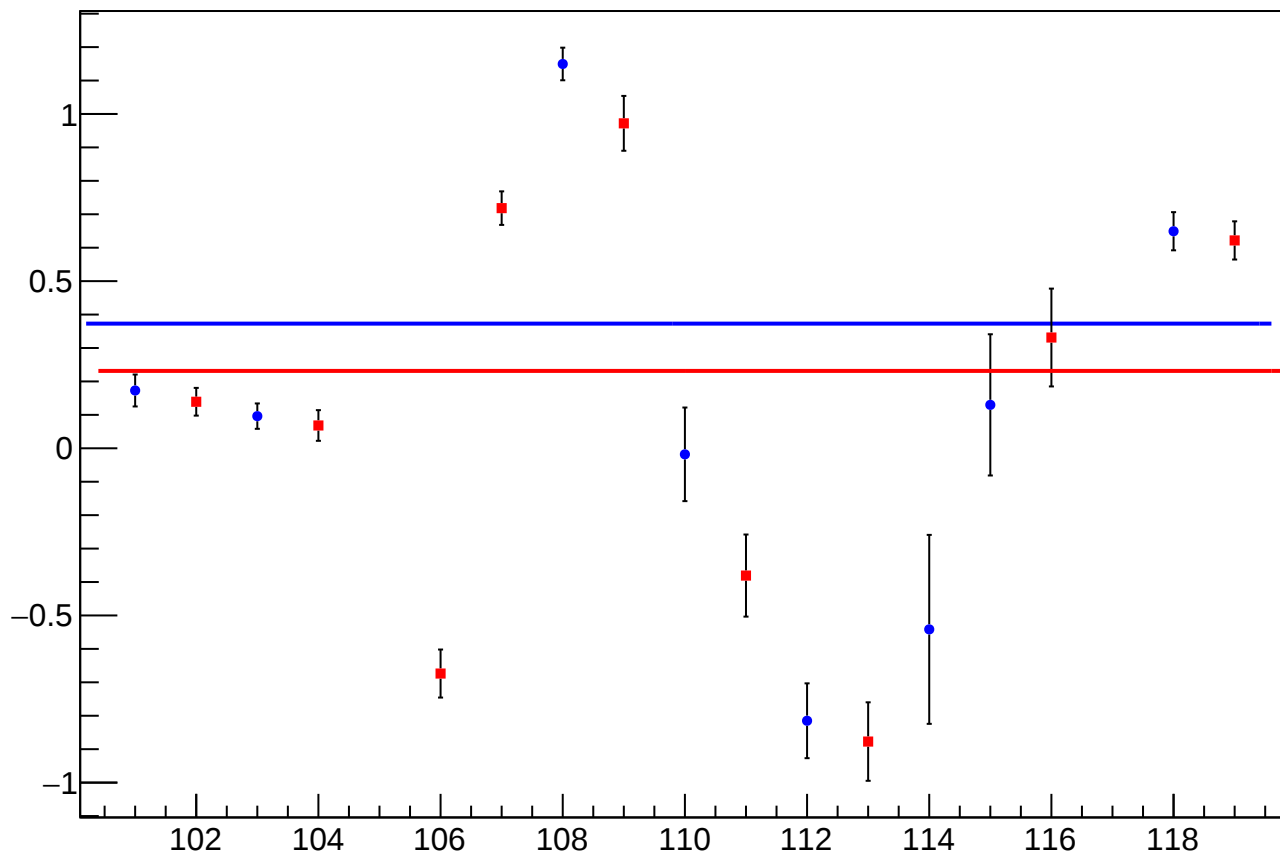
Right: -94.329+/-0.303  $\chi^2/\text{NDF}$ : 7913.5/16

In: -95.115+/-0.429  $\chi^2/\text{NDF}$ : 3555.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -94.329+/-0.303  $\chi^2/\text{NDF}$ : 7913.5/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.373+/-0.022  $\chi^2/\text{NDF}$ : 480.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.231+/-0.021  $\chi^2/\text{NDF}$ : 513.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

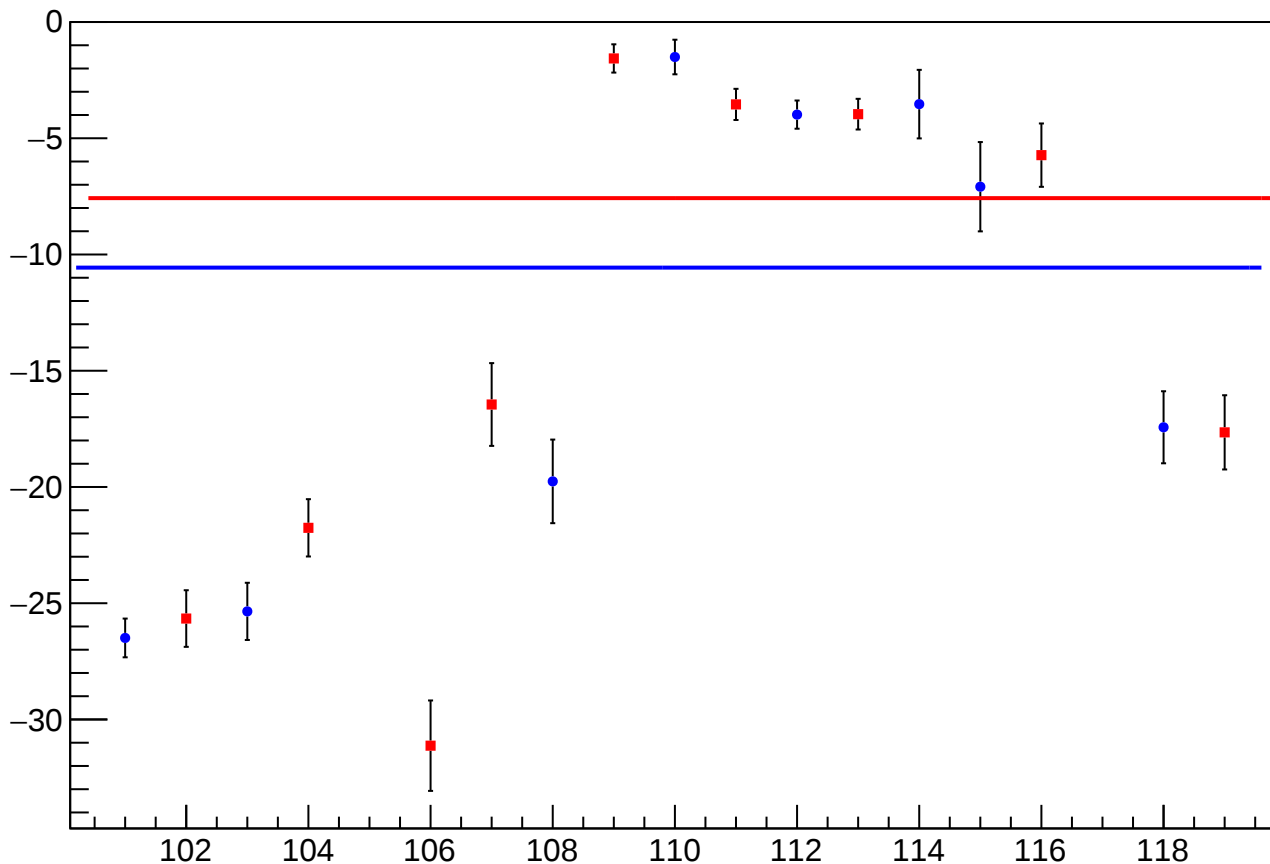
Right: 0.298+/-0.015  $\chi^2/\text{NDF}$ : 1014.8/16

In: 0.373+/-0.022  $\chi^2/\text{NDF}$ : 480.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.298+/-0.015  $\chi^2/\text{NDF}$ : 1014.8/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -10.564 $\pm$ 0.352  $\chi^2$ /NDF: 848.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.576 $\pm$ 0.315  $\chi^2$ /NDF: 729.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

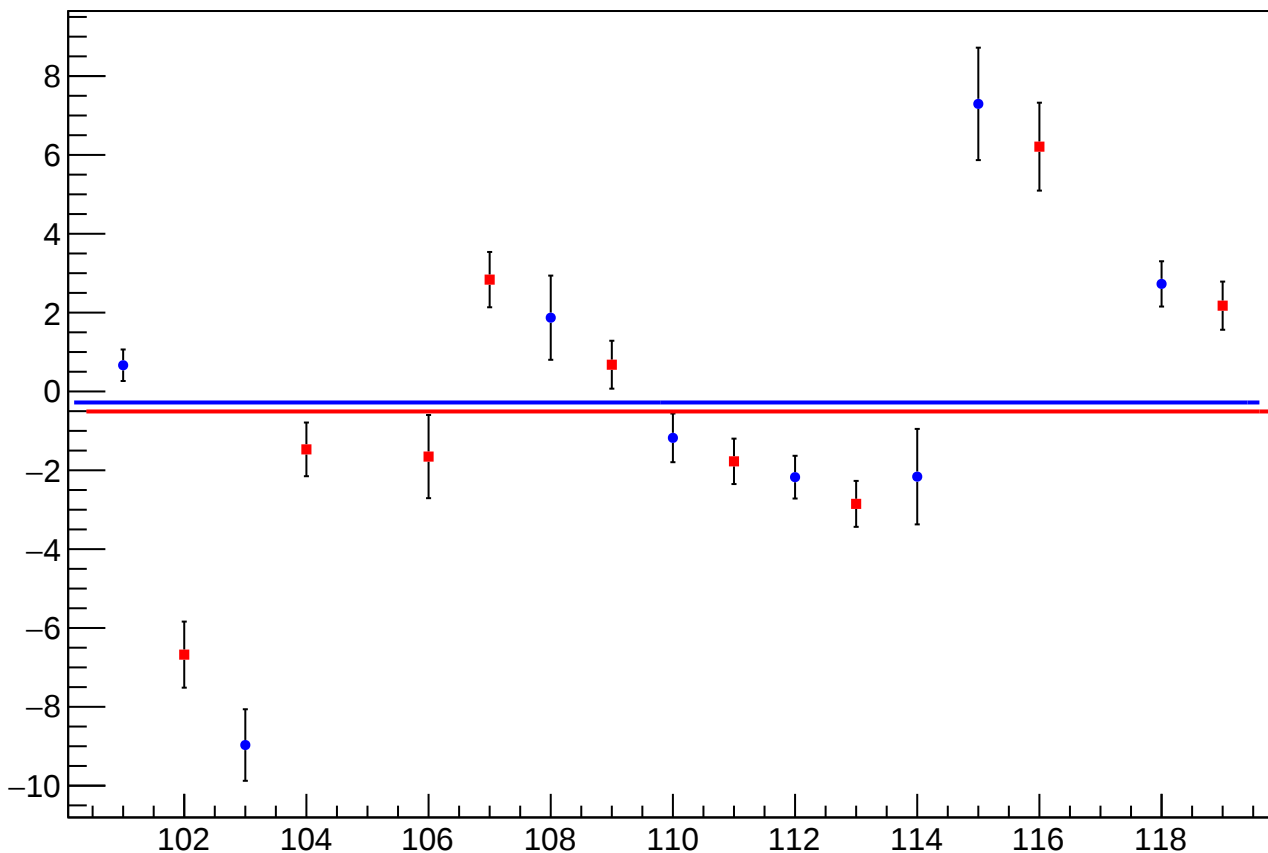
Right: -8.906 $\pm$ 0.235  $\chi^2$ /NDF: 1617.8/16

In: -10.564 $\pm$ 0.352  $\chi^2$ /NDF:848.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -8.906 $\pm$ 0.235  $\chi^2$ /NDF: 1617.8/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.280 \pm 0.232$   $\chi^2/\text{NDF}$ : 173.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.508 \pm 0.231$   $\chi^2/\text{NDF}$ : 160.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

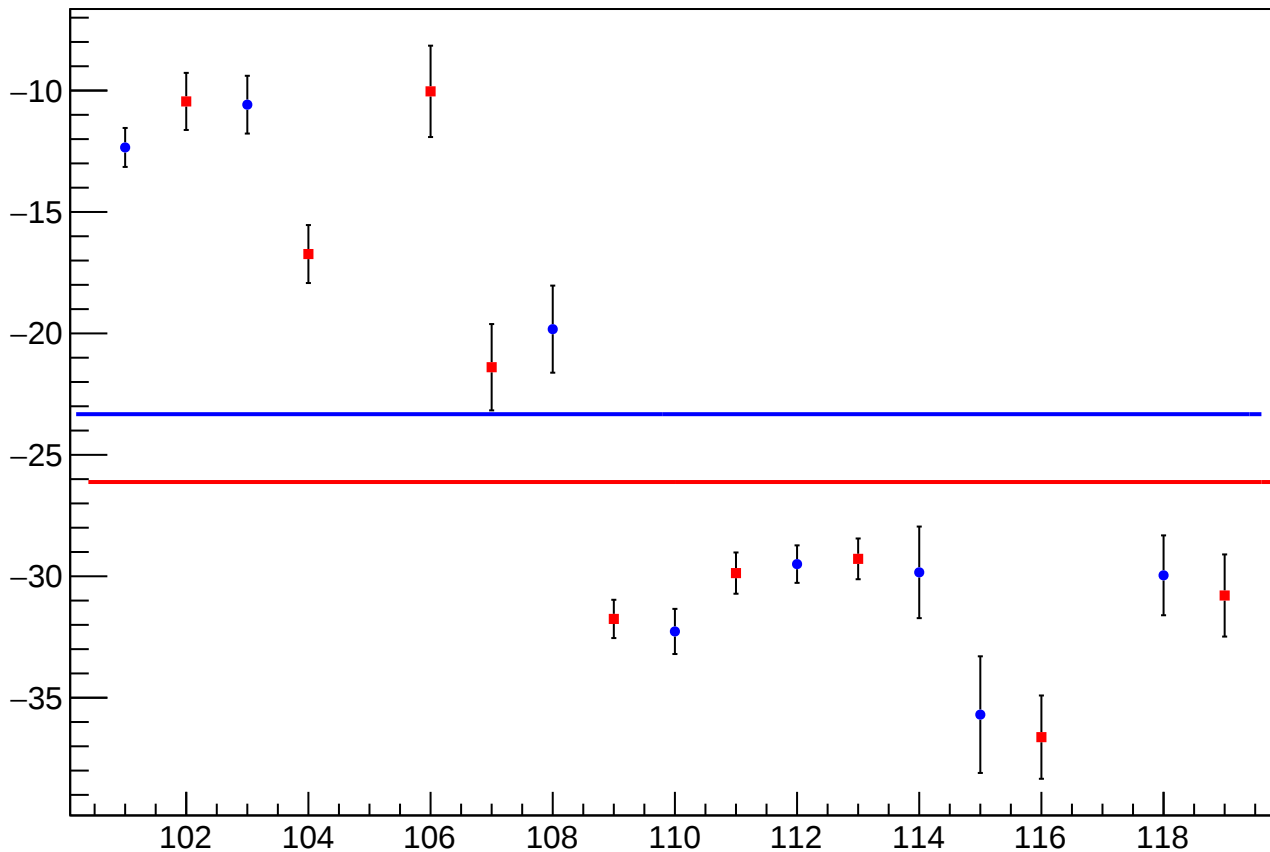
Right:  $-0.394 \pm 0.164$   $\chi^2/\text{NDF}$ : 334.7/16

In:  $-0.280 \pm 0.232$   $\chi^2/\text{NDF}$ : 173.7/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.394 \pm 0.164$   $\chi^2/\text{NDF}$ : 334.7/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -23.325+/-0.401  $\chi^2/\text{NDF}$ : 517.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.119+/-0.374  $\chi^2/\text{NDF}$ : 449.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

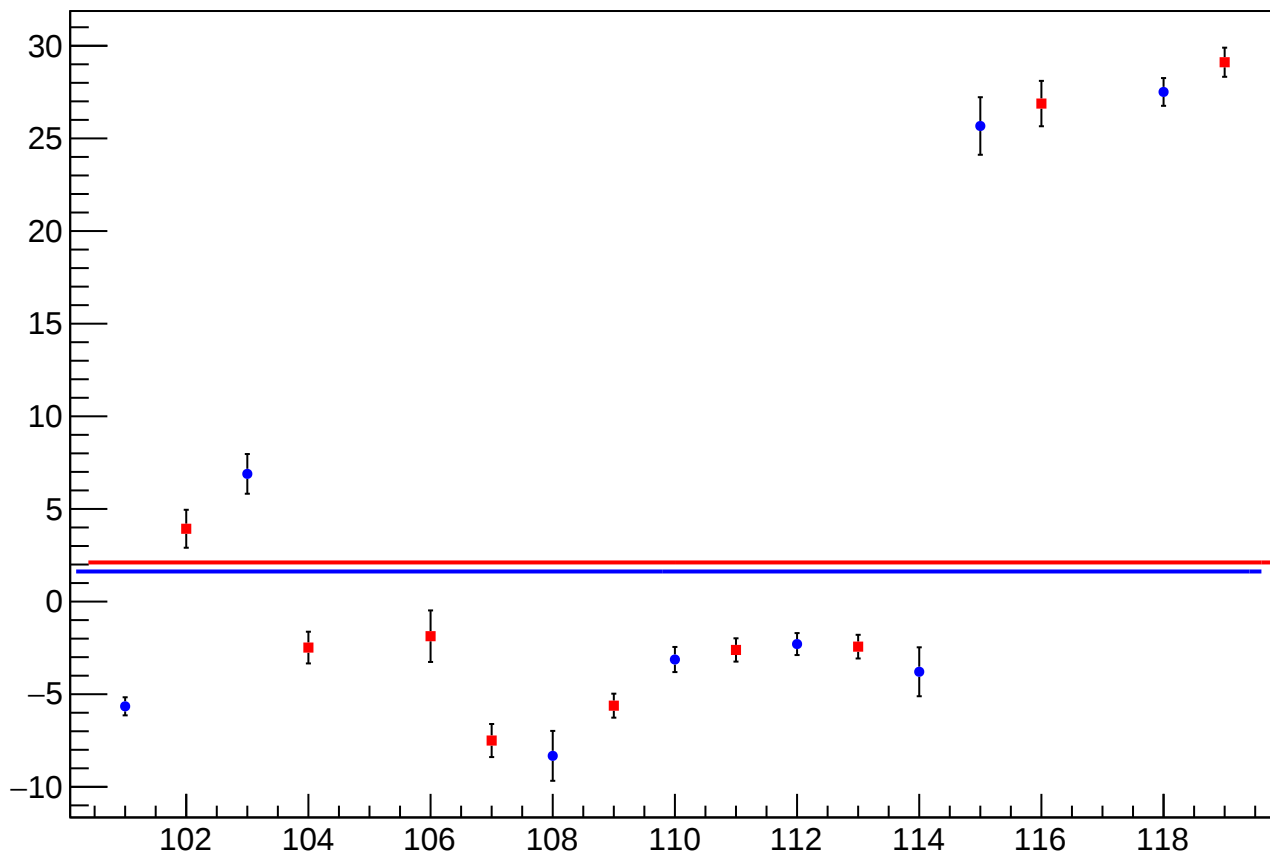
Right: -24.816+/-0.274  $\chi^2/\text{NDF}$ : 992.9/16

In: -23.325+/-0.401  $\chi^2/\text{NDF}$ : 517.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -24.816+/-0.274  $\chi^2/\text{NDF}$ : 992.9/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.625+/-0.273  $\chi^2/\text{NDF}$ : 1843.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.112+/-0.270  $\chi^2/\text{NDF}$ : 1993.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

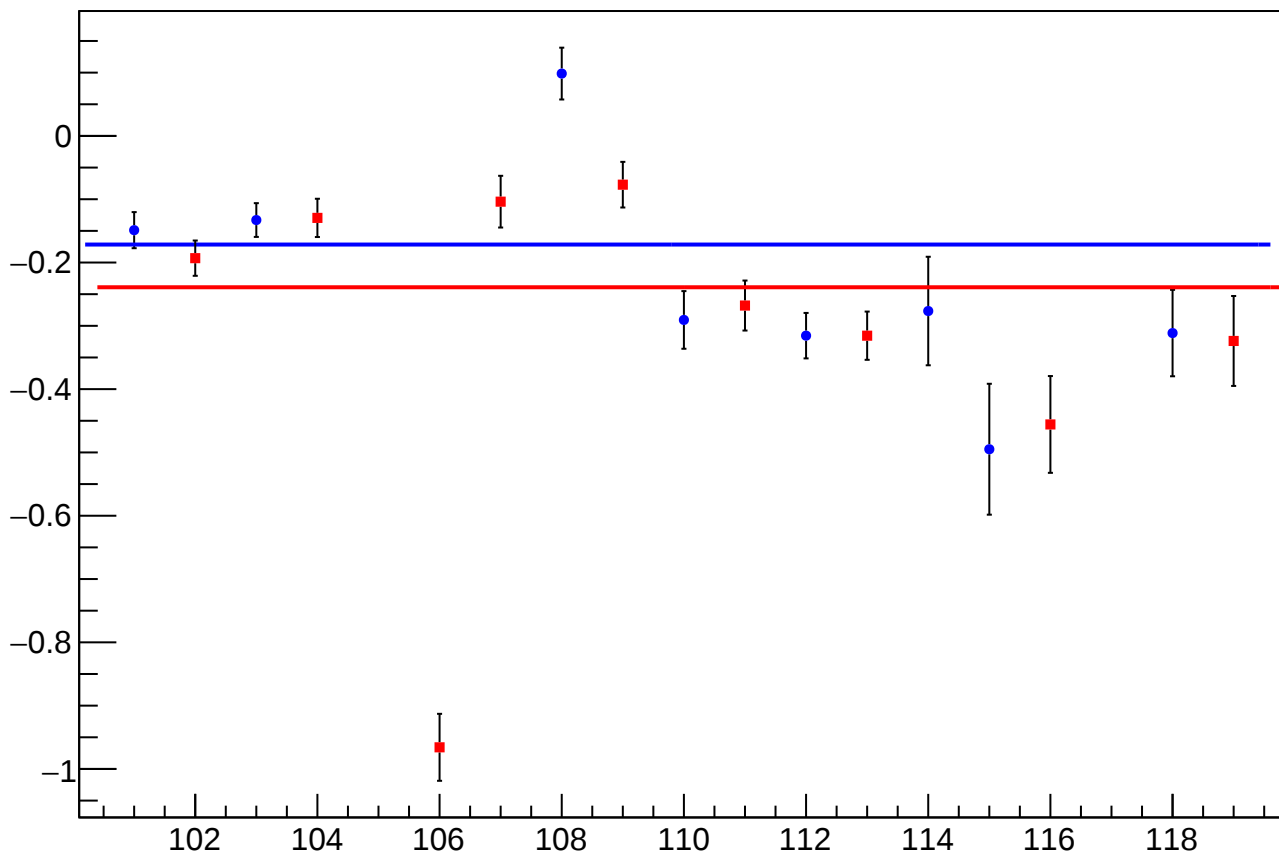
Right: 1.871+/-0.192  $\chi^2/\text{NDF}$ : 3838.7/16

In: 1.625+/-0.273  $\chi^2/\text{NDF}$ :1843.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1.871+/-0.192  $\chi^2/\text{NDF}$ : 3838.7/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.172+/-0.014  $\chi^2/\text{NDF}$ : 84.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.239+/-0.013  $\chi^2/\text{NDF}$ : 249.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

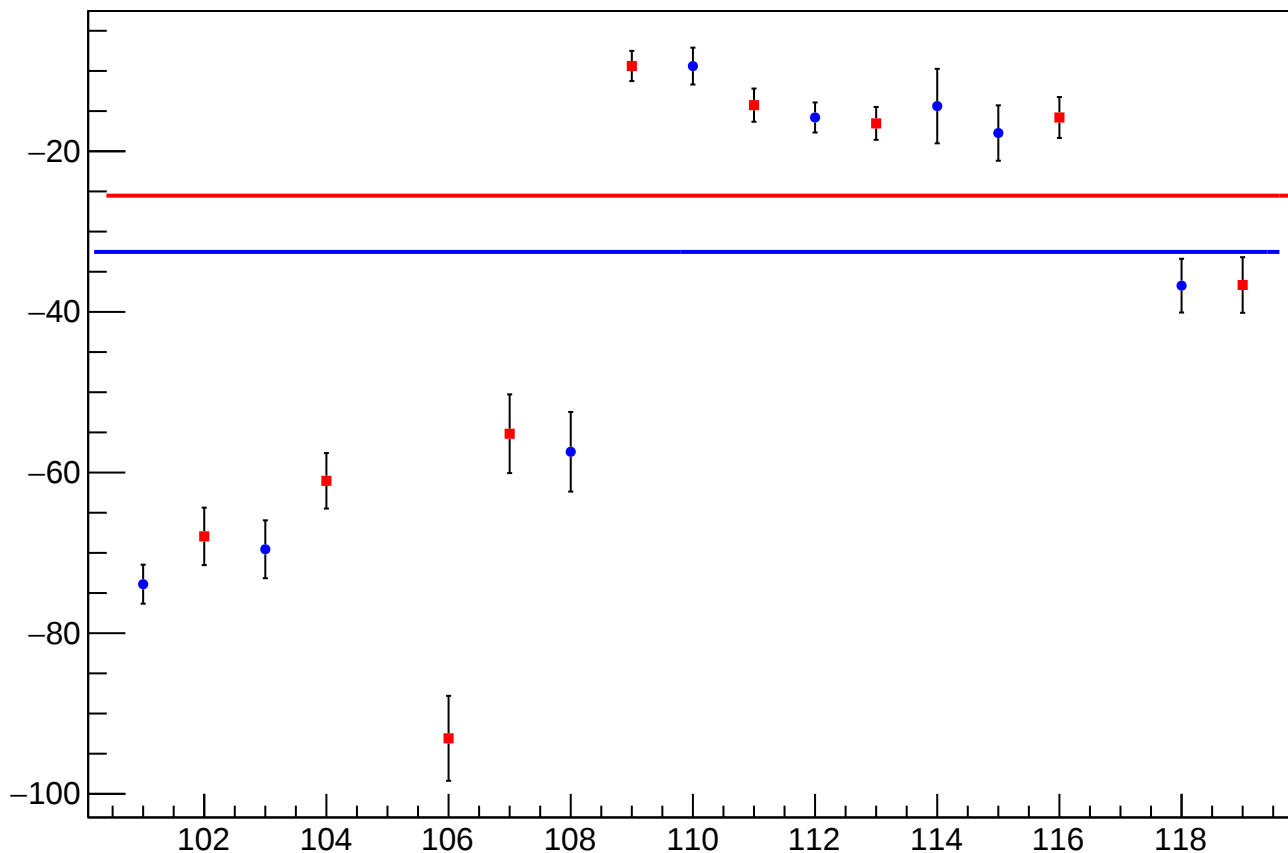
Right: -0.208+/-0.010  $\chi^2/\text{NDF}$ : 346.7/16

In: -0.172+/-0.014  $\chi^2/\text{NDF}$ : 84.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.208+/-0.010  $\chi^2/\text{NDF}$ : 346.7/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.531+/-1.009  $\chi^2/\text{NDF}$ : 638.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -25.526+/-0.900  $\chi^2/\text{NDF}$ : 594.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

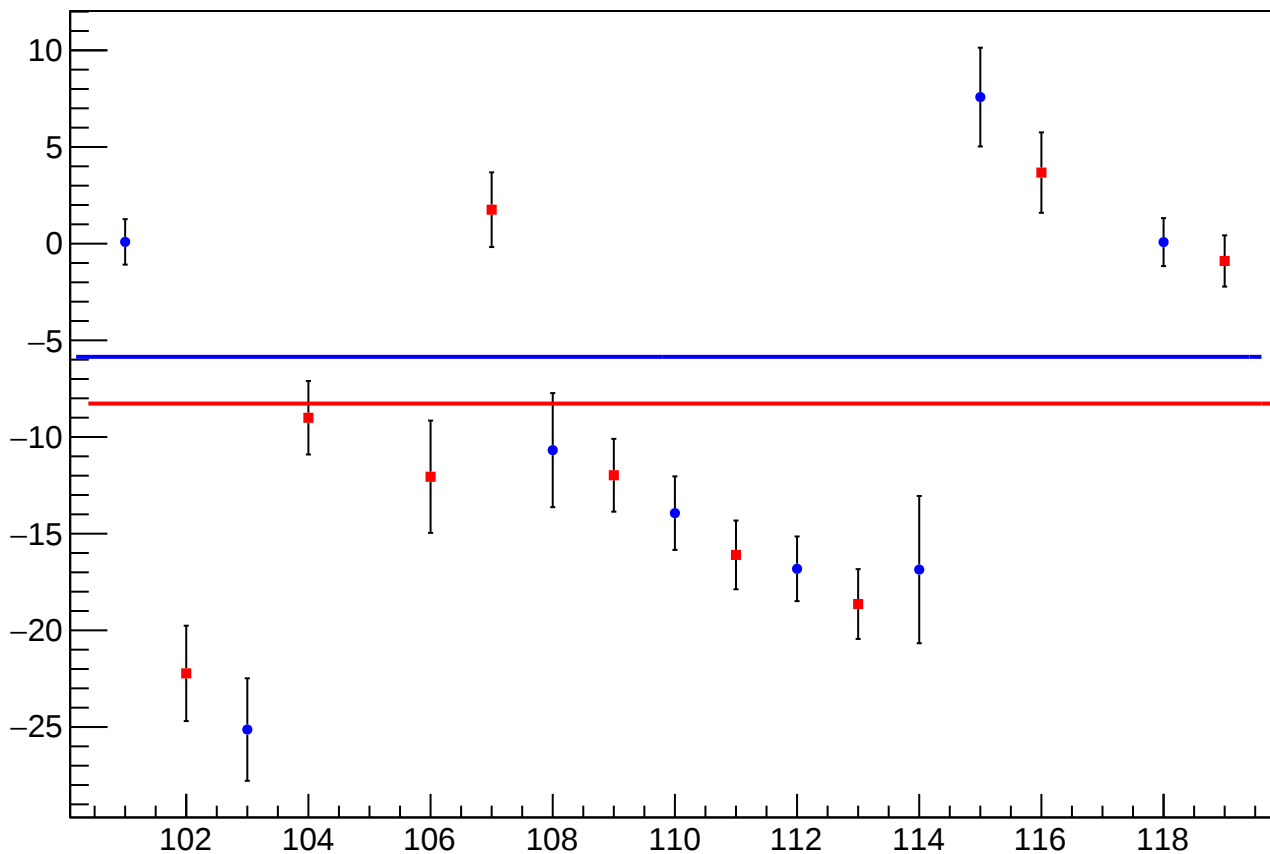
Right: -28.631+/-0.672  $\chi^2/\text{NDF}$ : 1259.1/16

In: -32.531+/-1.009  $\chi^2/\text{NDF}$ : 638.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -28.631+/-0.672  $\chi^2/\text{NDF}$ : 1259.1/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.854+/-0.634  $\chi^2/\text{NDF}$ : 201.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -8.271+/-0.628  $\chi^2/\text{NDF}$ : 181.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

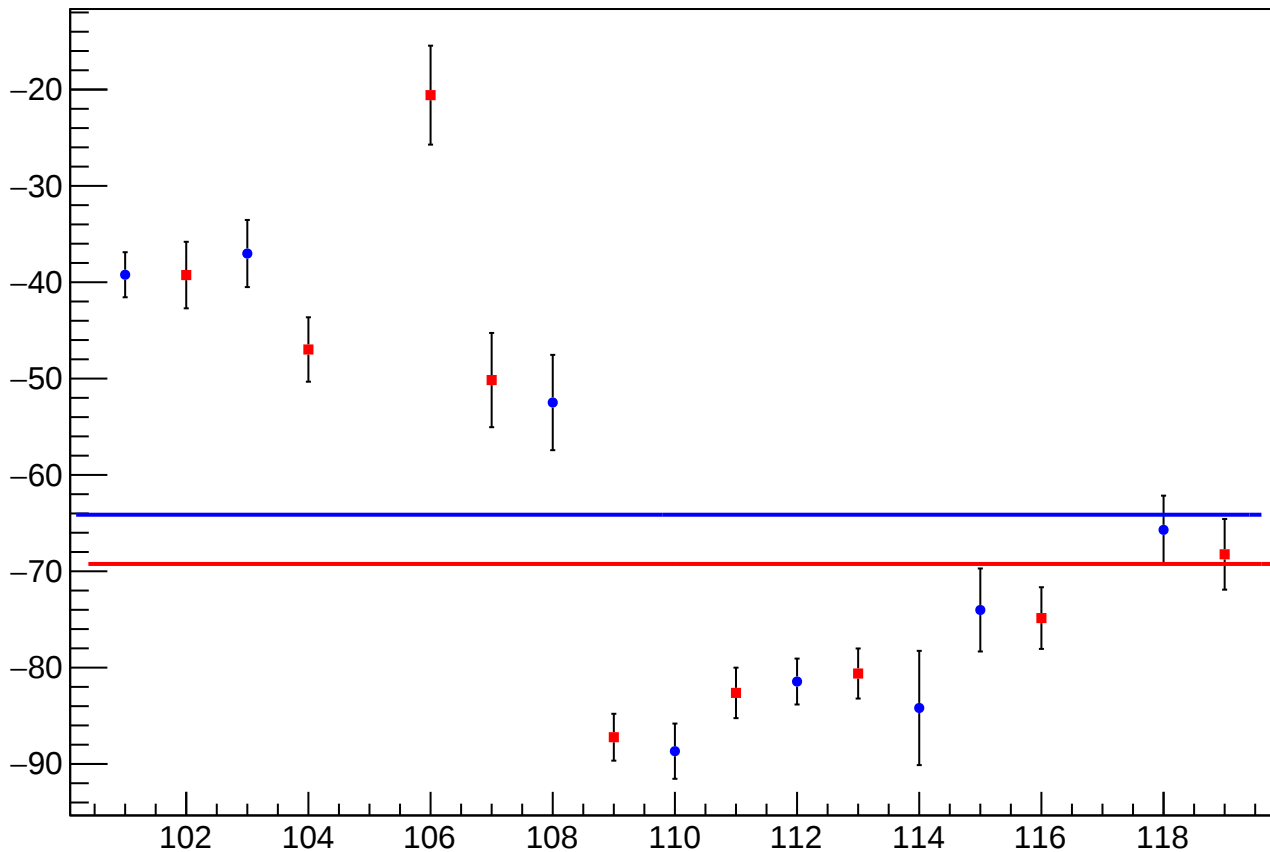
Right: -7.074+/-0.446  $\chi^2/\text{NDF}$ : 389.4/16

In: -5.854+/-0.634  $\chi^2/\text{NDF}$ :201.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -7.074+/-0.446  $\chi^2/\text{NDF}$ : 389.4/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.131+/-1.143  $\chi^2/\text{NDF}$ : 322.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -69.240+/-1.061  $\chi^2/\text{NDF}$ : 327.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

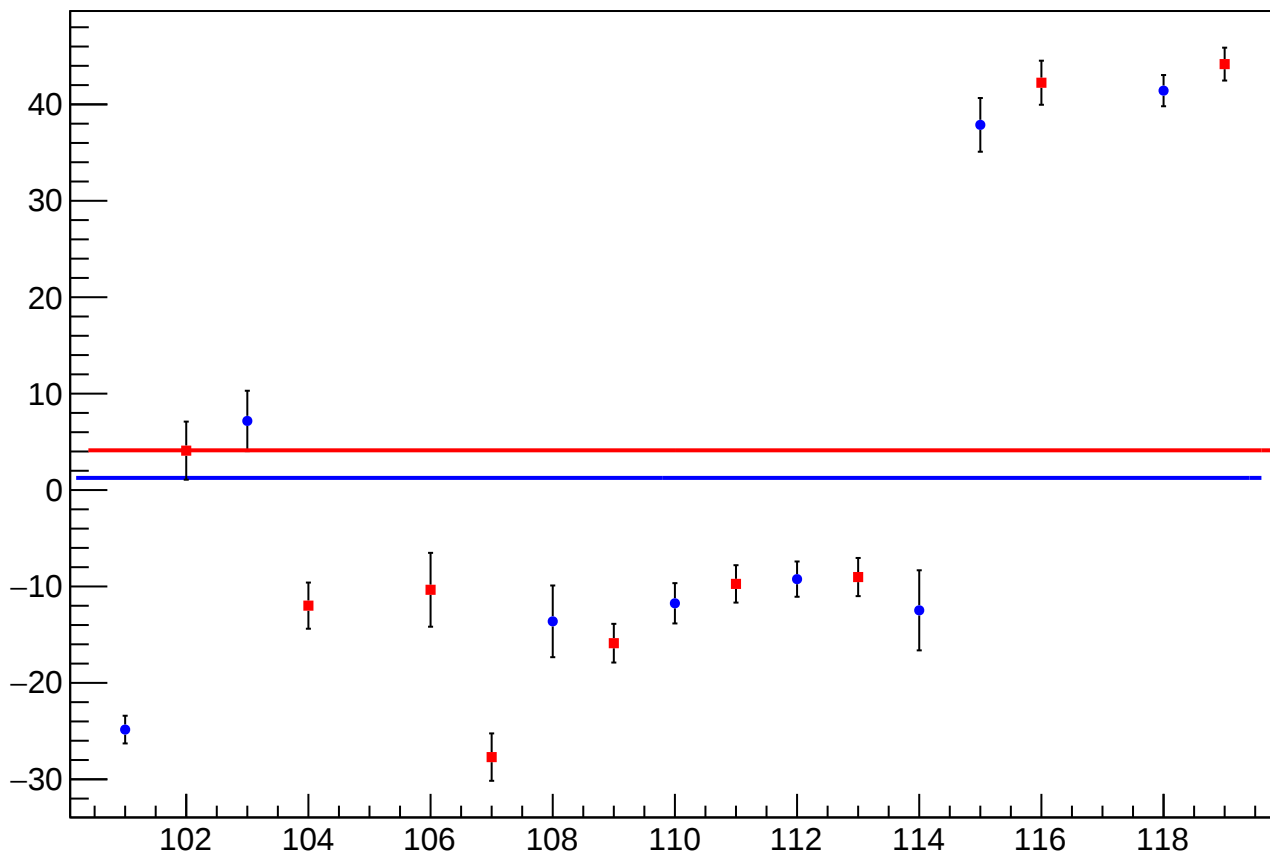
Right: -66.874+/-0.778  $\chi^2/\text{NDF}$ : 661.2/16

In: -64.131+/-1.143  $\chi^2/\text{NDF}$ : 322.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -66.874+/-0.778  $\chi^2/\text{NDF}$ : 661.2/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.260+/-0.755  $\chi^2/\text{NDF}$ : 1220.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.121+/-0.741  $\chi^2/\text{NDF}$ : 1251.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

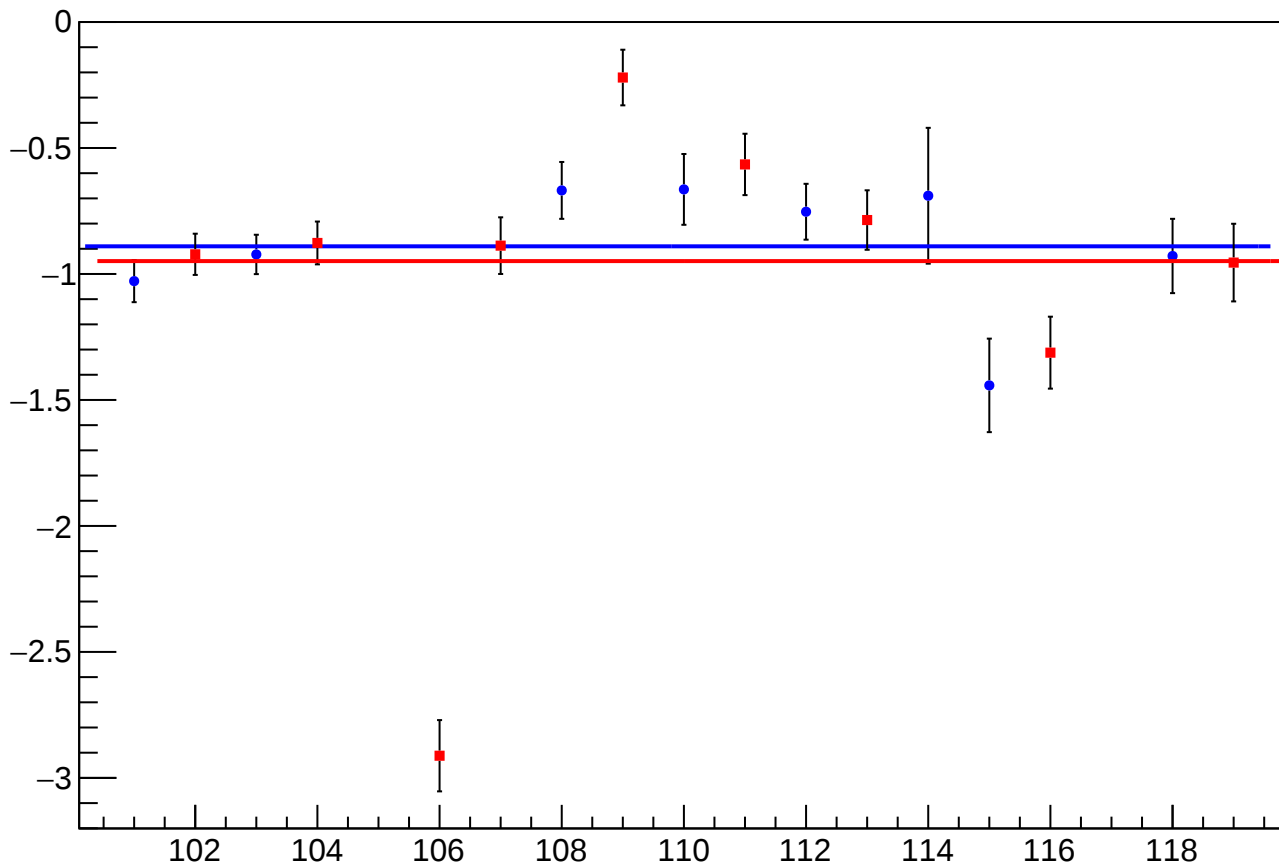
Right: 2.718+/-0.529  $\chi^2/\text{NDF}$ : 2479.8/16

In: 1.260+/-0.755  $\chi^2/\text{NDF}$ : 1220.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.718+/-0.529  $\chi^2/\text{NDF}$ : 2479.8/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.890 \pm 0.041$   $\chi^2/\text{NDF}$ : 20.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.949 \pm 0.037$   $\chi^2/\text{NDF}$ : 255.6/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

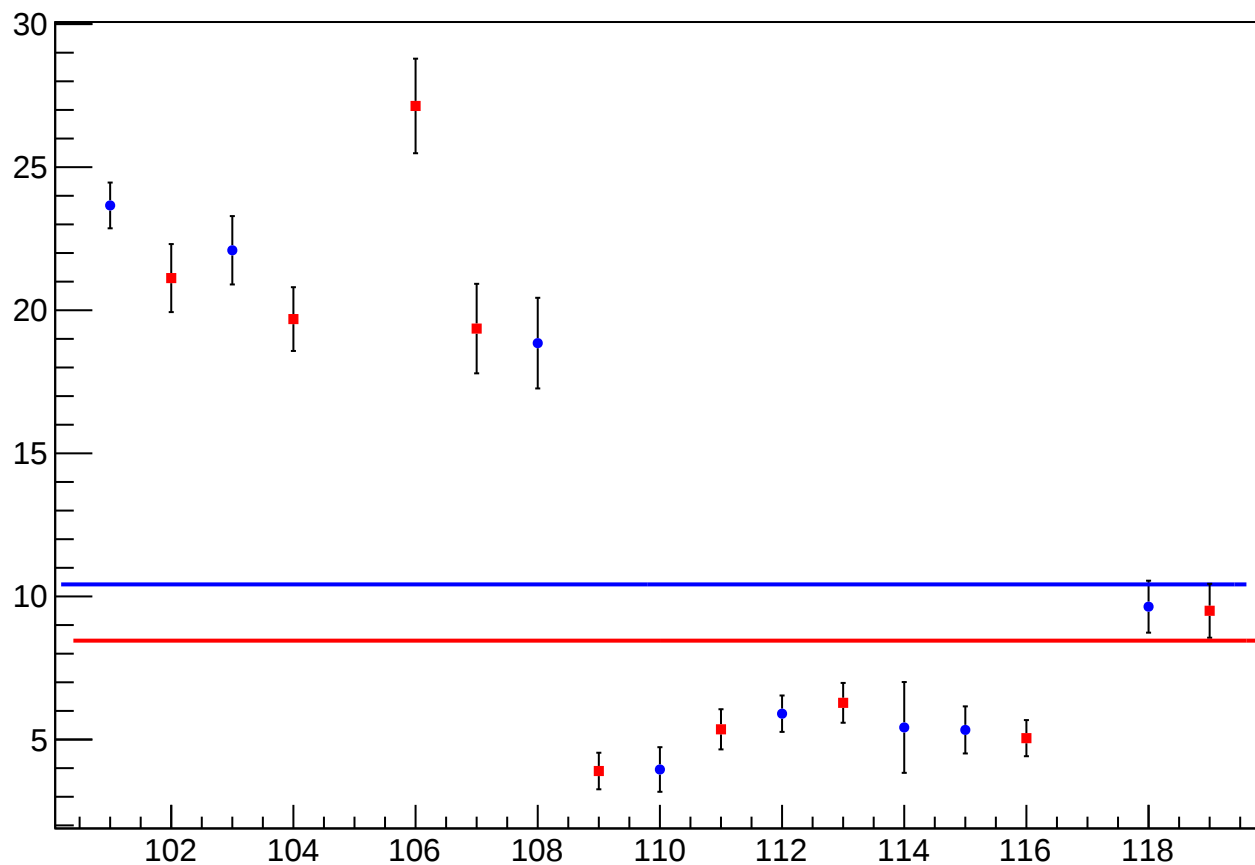
Right:  $-0.922 \pm 0.027$   $\chi^2/\text{NDF}$ : 277.1/16

In:  $-0.890 \pm 0.041$   $\chi^2/\text{NDF}$ : 20.3/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.922 \pm 0.027$   $\chi^2/\text{NDF}$ : 277.1/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 10.421+/-0.318  $\chi^2/\text{NDF}$ : 566.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.455+/-0.283  $\chi^2/\text{NDF}$ : 502.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

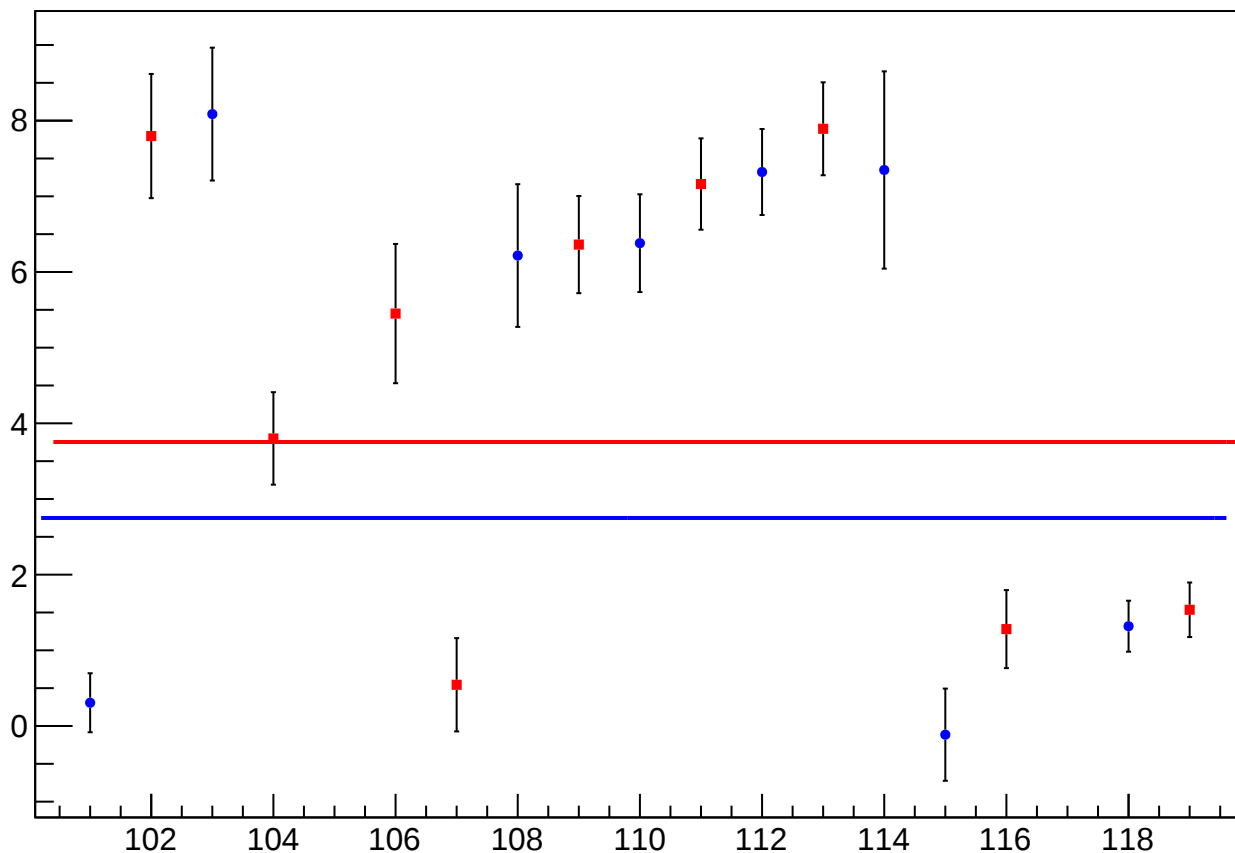
Right: 9.324+/-0.212  $\chi^2/\text{NDF}$ : 1090.1/16

In: 10.421+/-0.318  $\chi^2/\text{NDF}$ : 566.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.324+/-0.212  $\chi^2/\text{NDF}$ : 1090.1/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.749+/-0.194  $\chi^2/\text{NDF}$ : 238.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.753+/-0.192  $\chi^2/\text{NDF}$ : 209.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

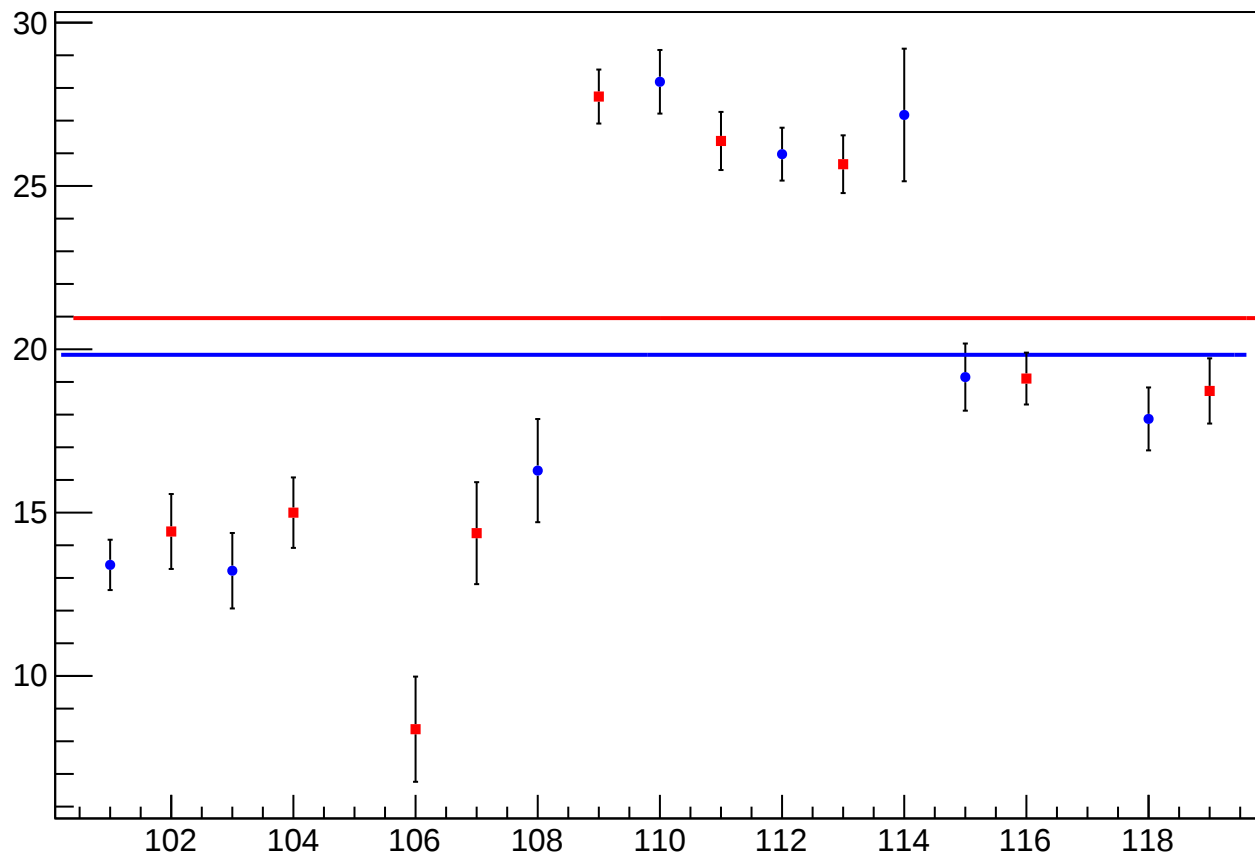
Right: 3.257+/-0.136  $\chi^2/\text{NDF}$ : 461.7/16

In: 2.749+/-0.194  $\chi^2/\text{NDF}$ : 238.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.257+/-0.136  $\chi^2/\text{NDF}$ : 461.7/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 19.831+/-0.361  $\chi^2/\text{NDF}$ : 256.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.954+/-0.333  $\chi^2/\text{NDF}$ : 285.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

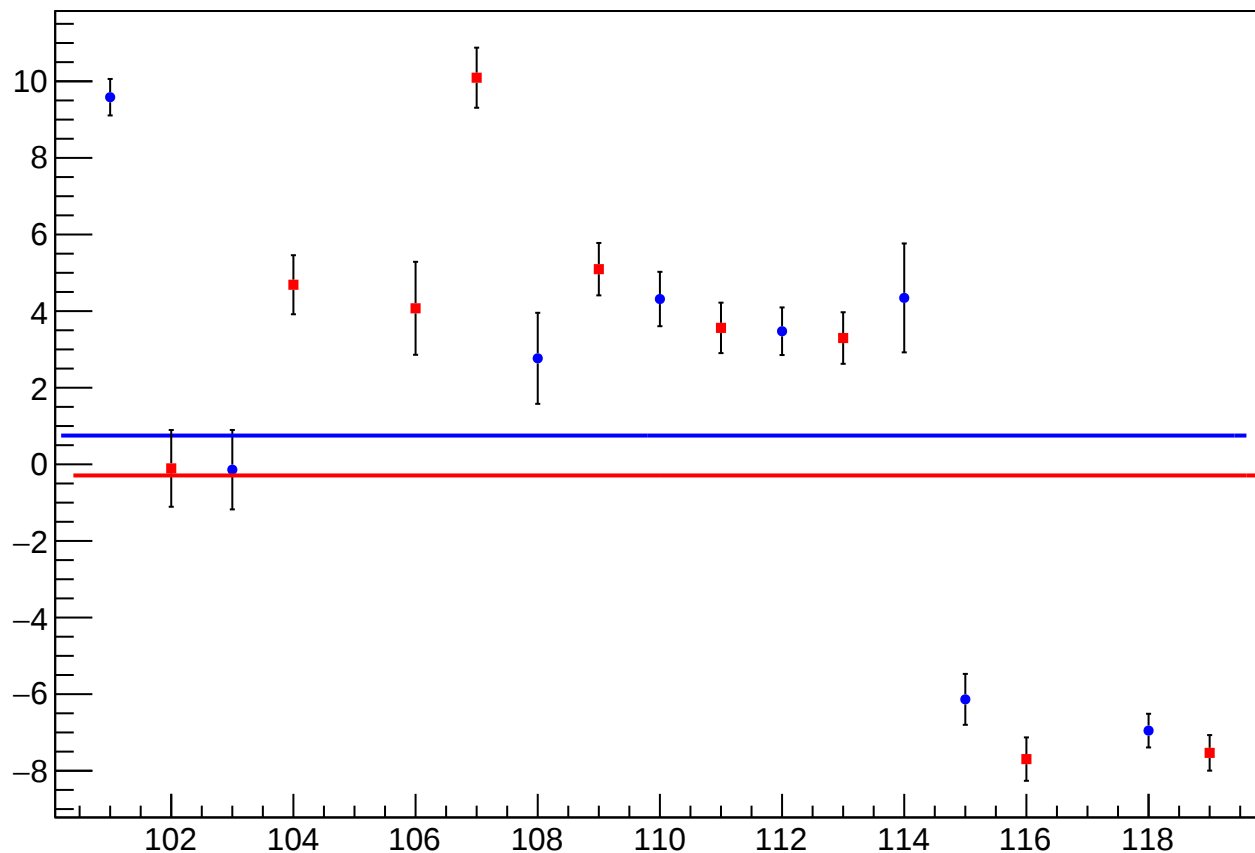
Right: 20.437+/-0.245  $\chi^2/\text{NDF}$ : 546.8/16

In: 19.831+/-0.361  $\chi^2/\text{NDF}$ : 256.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.437+/-0.245  $\chi^2/\text{NDF}$ : 546.8/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.751+/-0.232  $\chi^2/\text{NDF}$ : 813.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.290+/-0.227  $\chi^2/\text{NDF}$ : 768.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

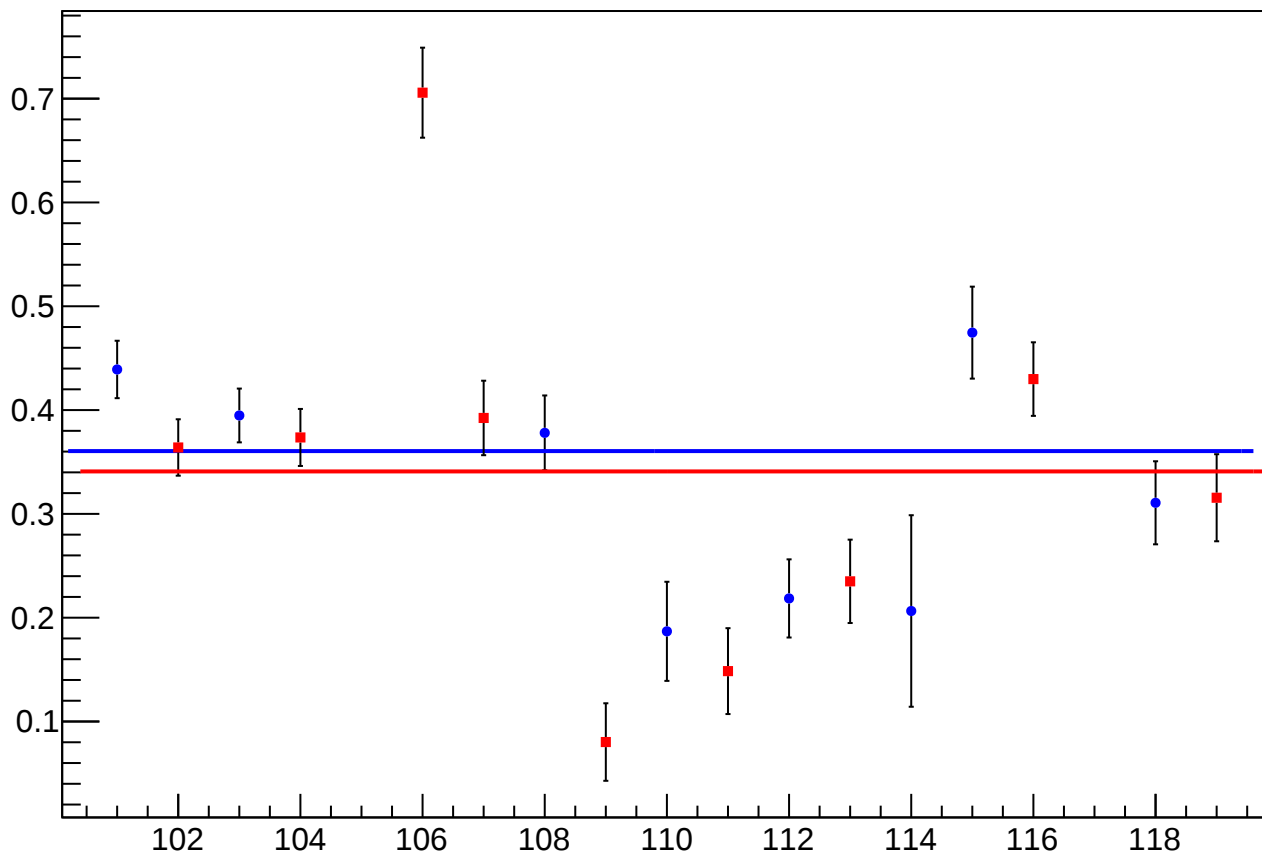
Right: 0.219+/-0.162  $\chi^2/\text{NDF}$ : 1592.3/16

In: 0.751+/-0.232  $\chi^2/\text{NDF}$ : 813.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.219+/-0.162  $\chi^2/\text{NDF}$ : 1592.3/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.360 $\pm$ 0.013  $\chi^2$ /NDF: 48.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.341 $\pm$ 0.012  $\chi^2$ /NDF: 159.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

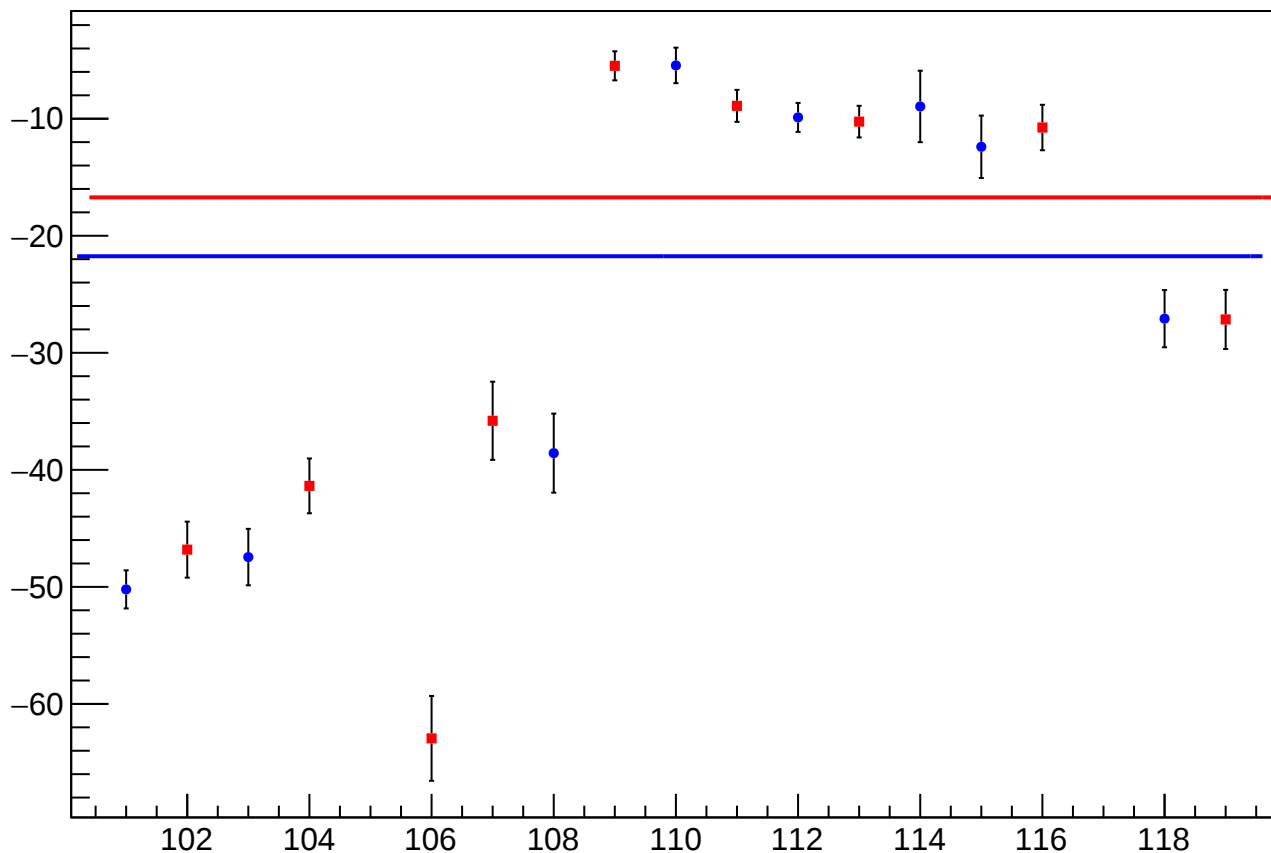
Right: 0.350 $\pm$ 0.009  $\chi^2$ /NDF: 208.7/16

In: 0.360 $\pm$ 0.013  $\chi^2$ /NDF:48.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.350 $\pm$ 0.009  $\chi^2$ /NDF: 208.7/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.749+/-0.684  $\chi^2/\text{NDF}$ : 685.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -16.722+/-0.611  $\chi^2/\text{NDF}$ : 628.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

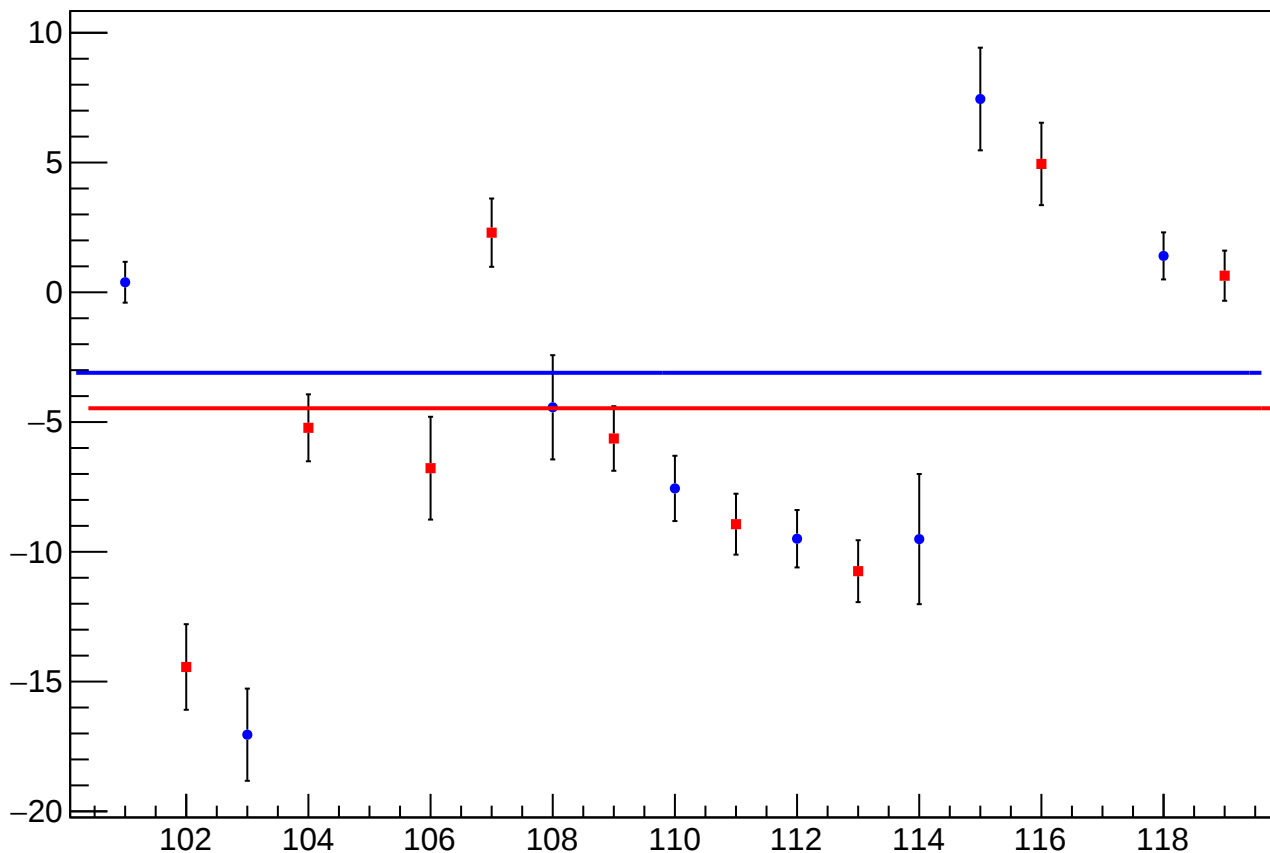
Right: -18.955+/-0.456  $\chi^2/\text{NDF}$ : 1344.5/16

In: -21.749+/-0.684  $\chi^2/\text{NDF}$ :685.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -18.955+/-0.456  $\chi^2/\text{NDF}$ : 1344.5/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.102 $\pm$ 0.436  $\chi^2$ /NDF: 187.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.468 $\pm$ 0.433  $\chi^2$ /NDF: 170.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

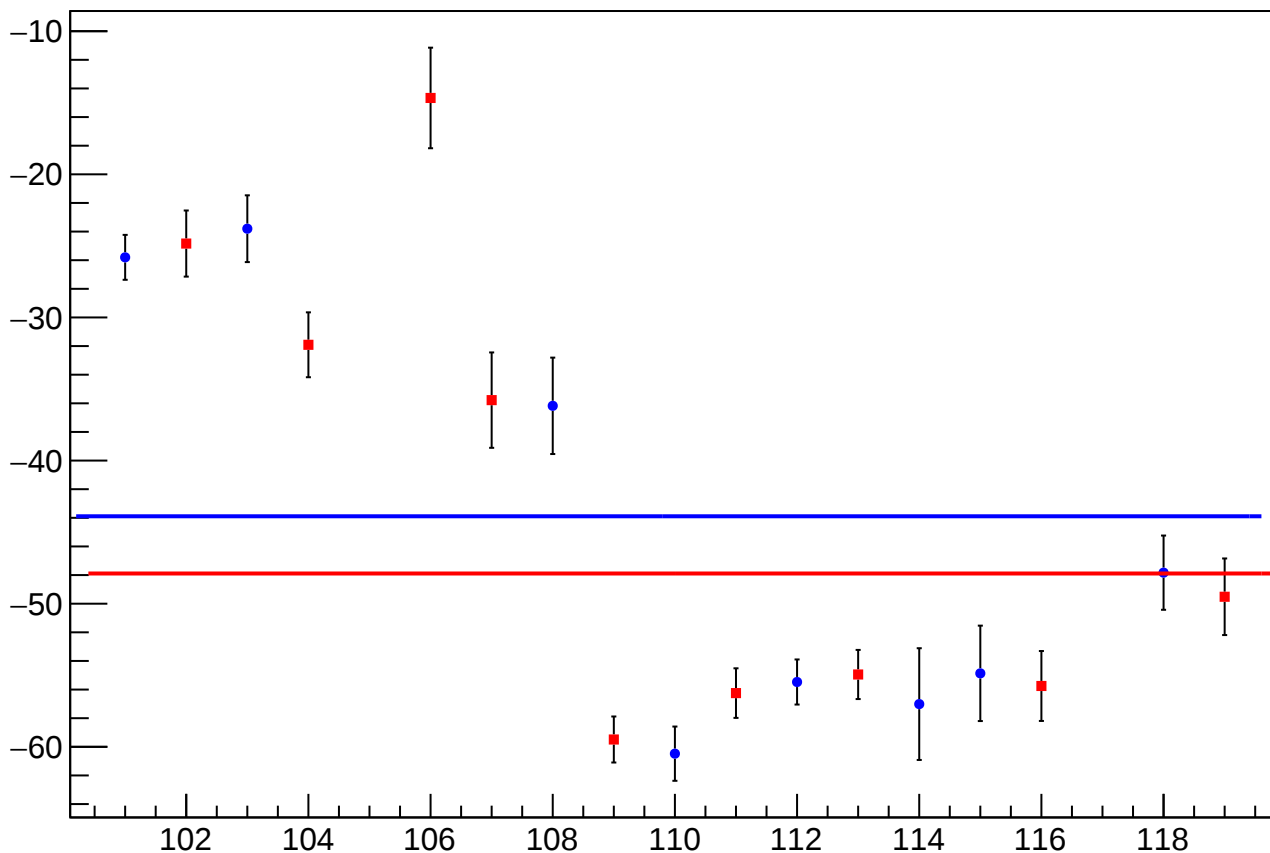
Right: -3.790 $\pm$ 0.307  $\chi^2$ /NDF: 363.2/16

In: -3.102 $\pm$ 0.436  $\chi^2$ /NDF:187.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -3.790 $\pm$ 0.307  $\chi^2$ /NDF: 363.2/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -43.892 $\pm$ 0.775  $\chi^2$ /NDF: 367.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.890 $\pm$ 0.722  $\chi^2$ /NDF: 354.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

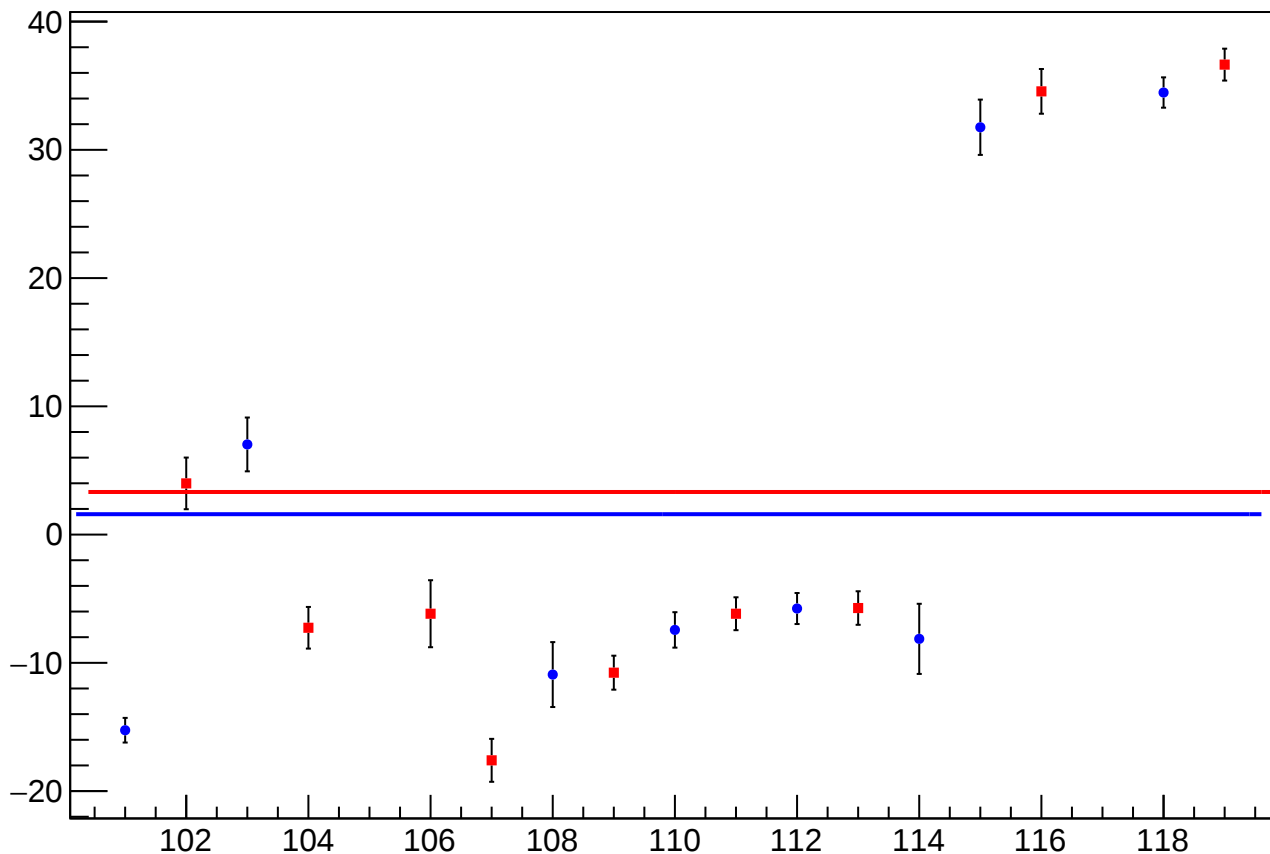
Right: -46.034 $\pm$ 0.528  $\chi^2$ /NDF: 736.6/16

In: -43.892 $\pm$ 0.775  $\chi^2$ /NDF:367.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.034 $\pm$ 0.528  $\chi^2$ /NDF: 736.6/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.590+/-0.517  $\chi^2/\text{NDF}$ : 1399.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.322+/-0.509  $\chi^2/\text{NDF}$ : 1466.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

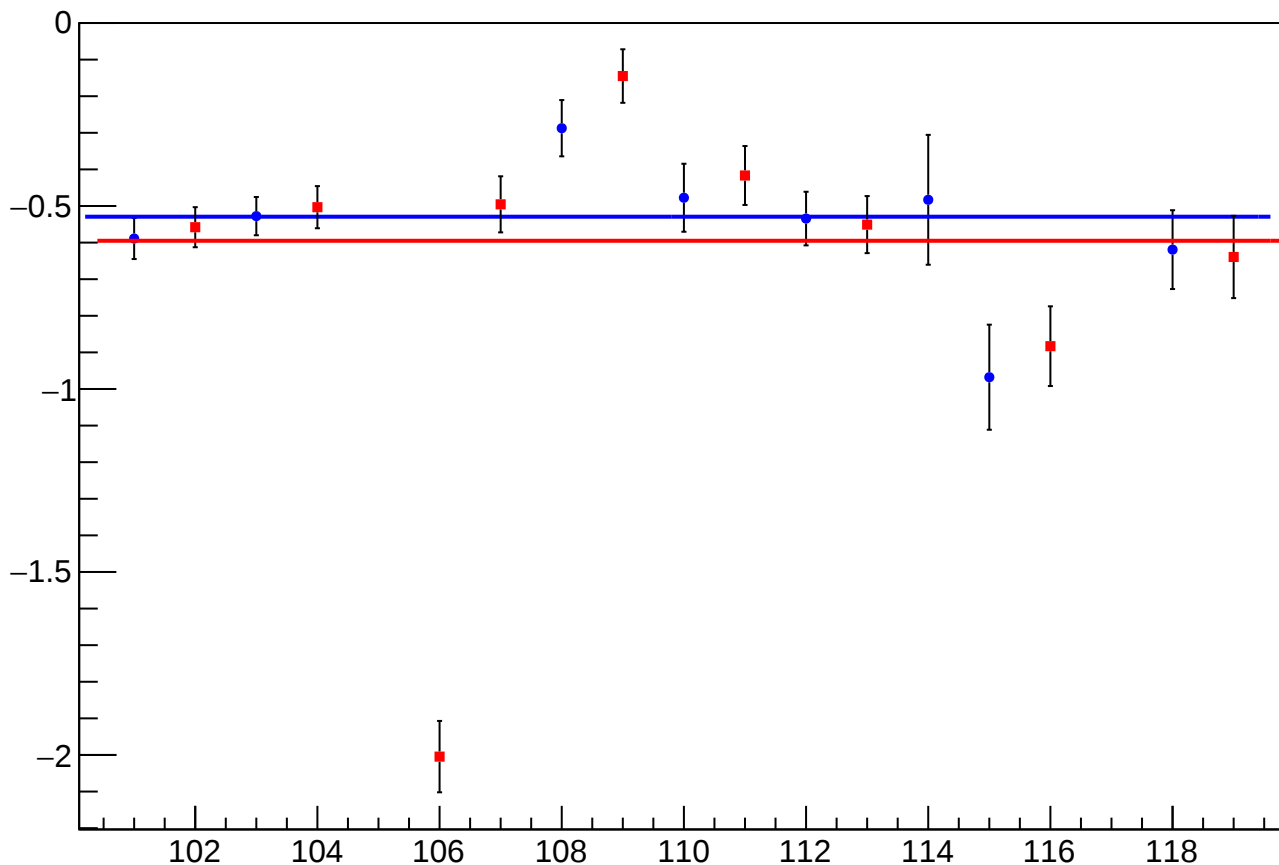
Right: 2.471+/-0.363  $\chi^2/\text{NDF}$ : 2871.2/16

In: 1.590+/-0.517  $\chi^2/\text{NDF}$ : 1399.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.471+/-0.363  $\chi^2/\text{NDF}$ : 2871.2/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.529+/-0.028  $\chi^2/\text{NDF}$ : 21.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.595+/-0.025  $\chi^2/\text{NDF}$ : 263.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

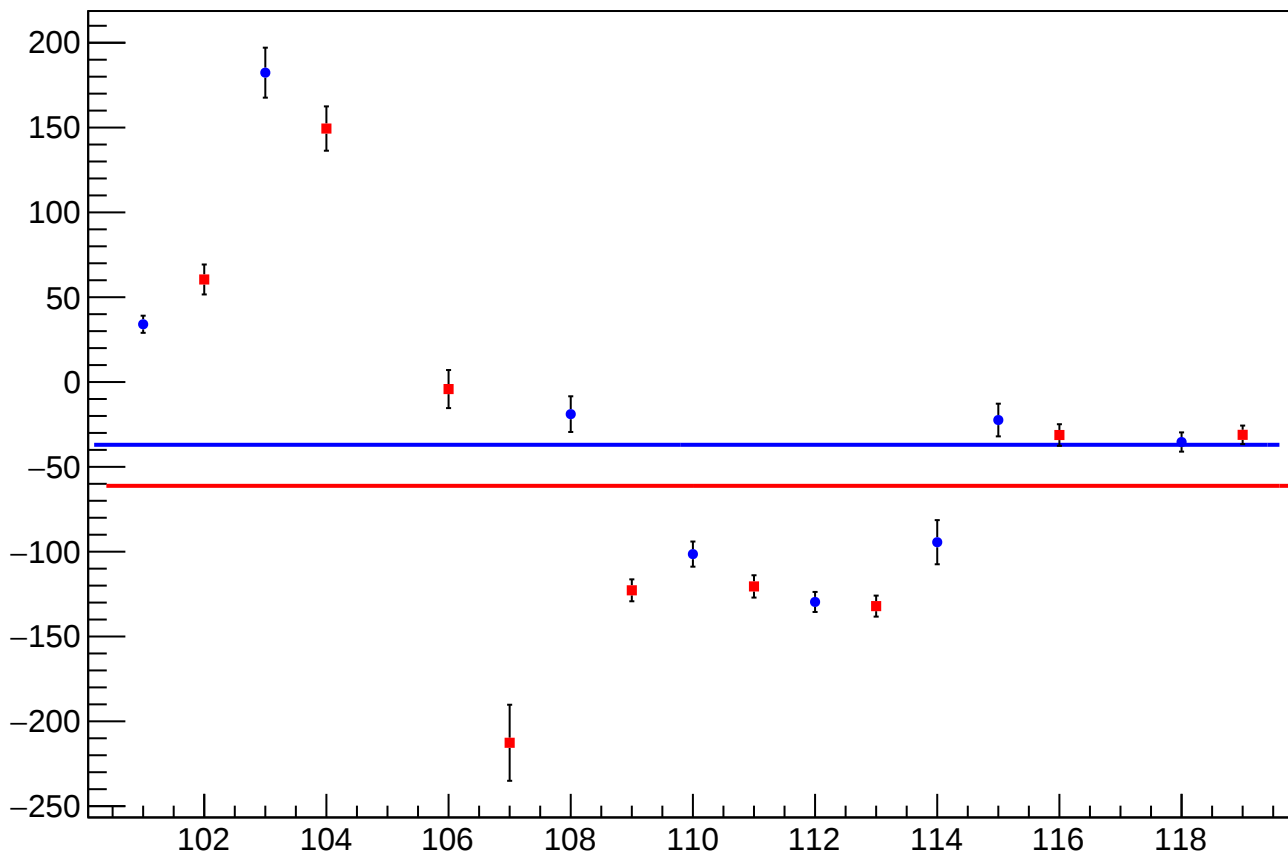
Right: -0.565+/-0.019  $\chi^2/\text{NDF}$ : 288.4/16

In: -0.529+/-0.028  $\chi^2/\text{NDF}$ : 21.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.565+/-0.019  $\chi^2/\text{NDF}$ : 288.4/16

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -36.996+/-2.604  $\chi^2/\text{NDF}$ : 765.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -61.186+/-2.500  $\chi^2/\text{NDF}$ : 876.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

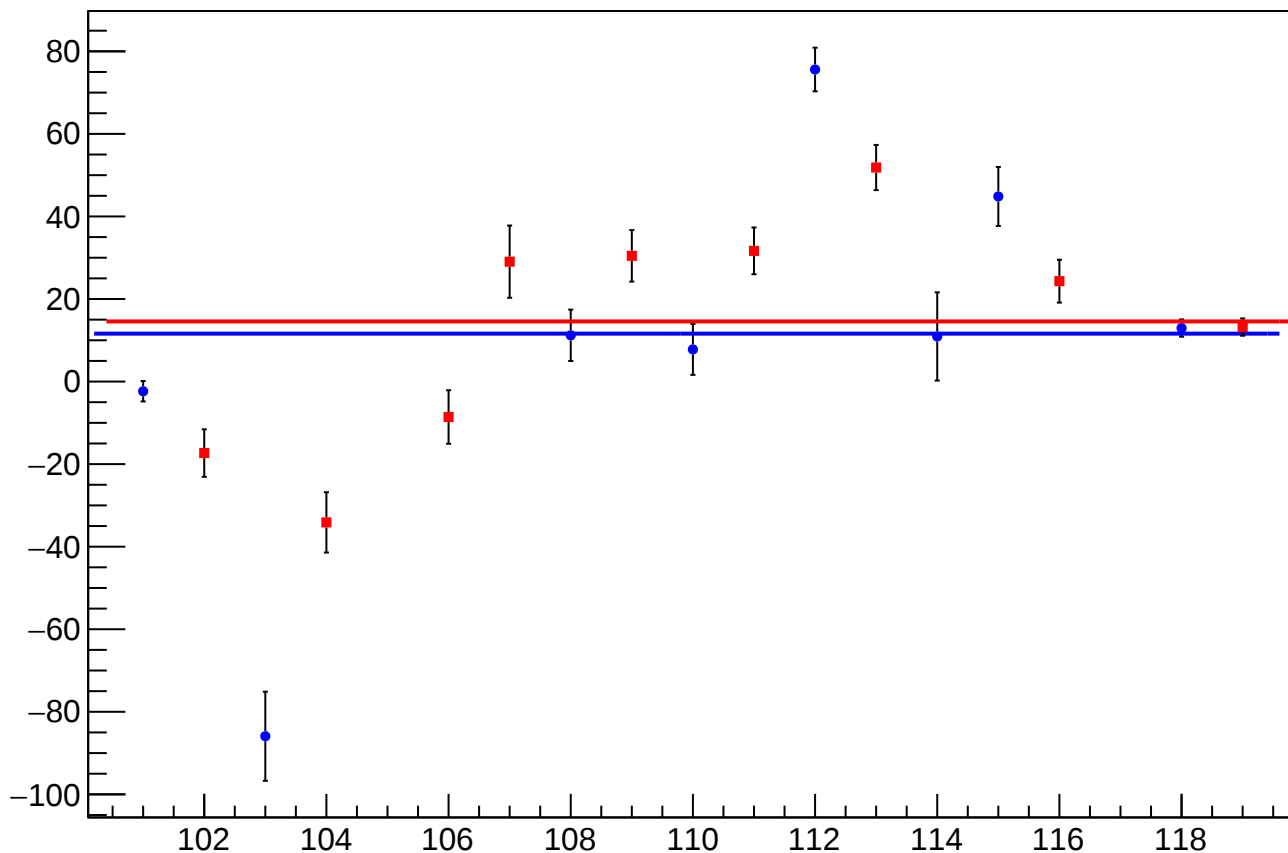
Right: -49.581+/-1.803  $\chi^2/\text{NDF}$ : 1687.4/16

In: -36.996+/-2.604  $\chi^2/\text{NDF}$ :765.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -49.581+/-1.803  $\chi^2/\text{NDF}$ : 1687.4/16

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 11.609+/-1.390  $\chi^2/\text{NDF}$ : 282.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.566+/-1.506  $\chi^2/\text{NDF}$ : 156.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

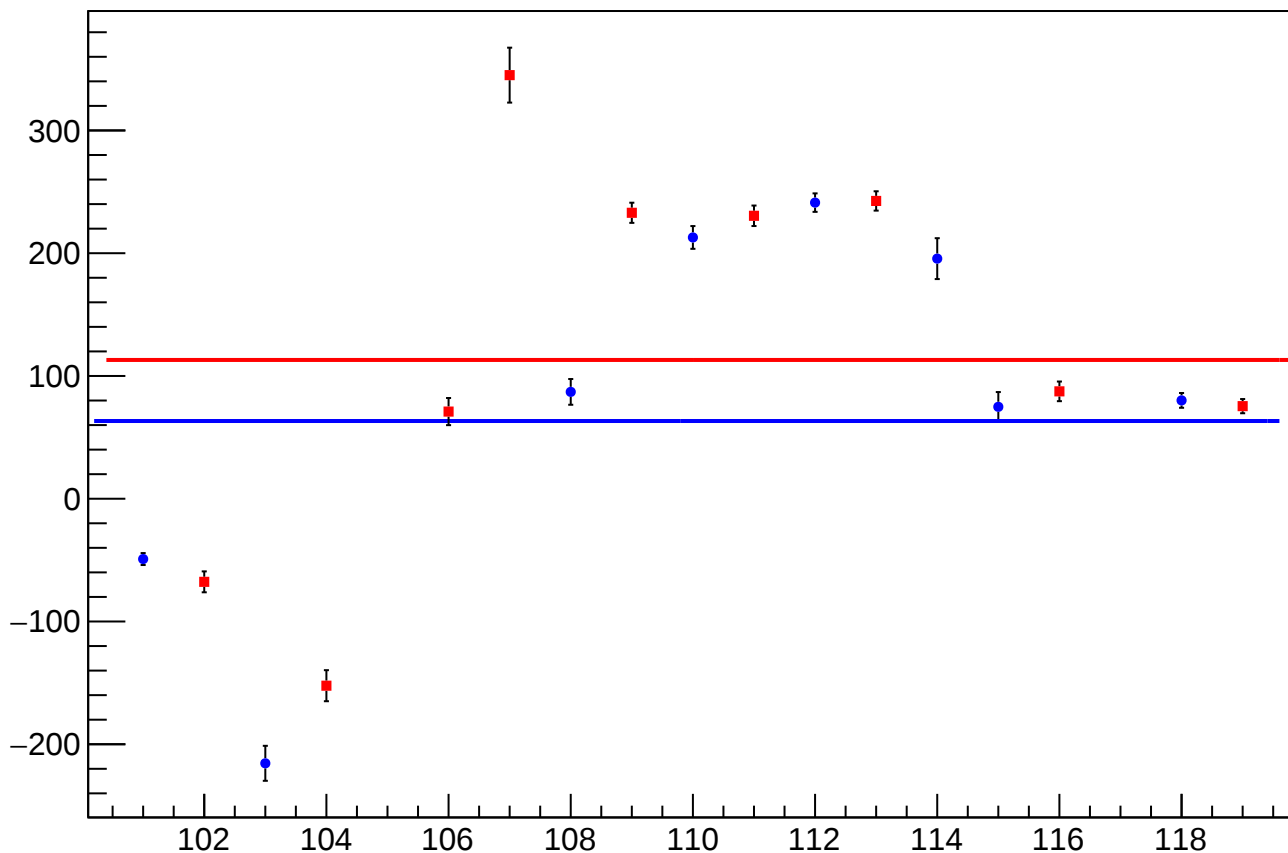
Right: 12.969+/-1.021  $\chi^2/\text{NDF}$ : 441.5/16

In: 11.609+/-1.390  $\chi^2/\text{NDF}$ : 282.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.969+/-1.021  $\chi^2/\text{NDF}$ : 441.5/16

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 63.313+/-2.843  $\chi^2/\text{NDF}$ : 1813.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 113.047+/-2.875  $\chi^2/\text{NDF}$ : 1746.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

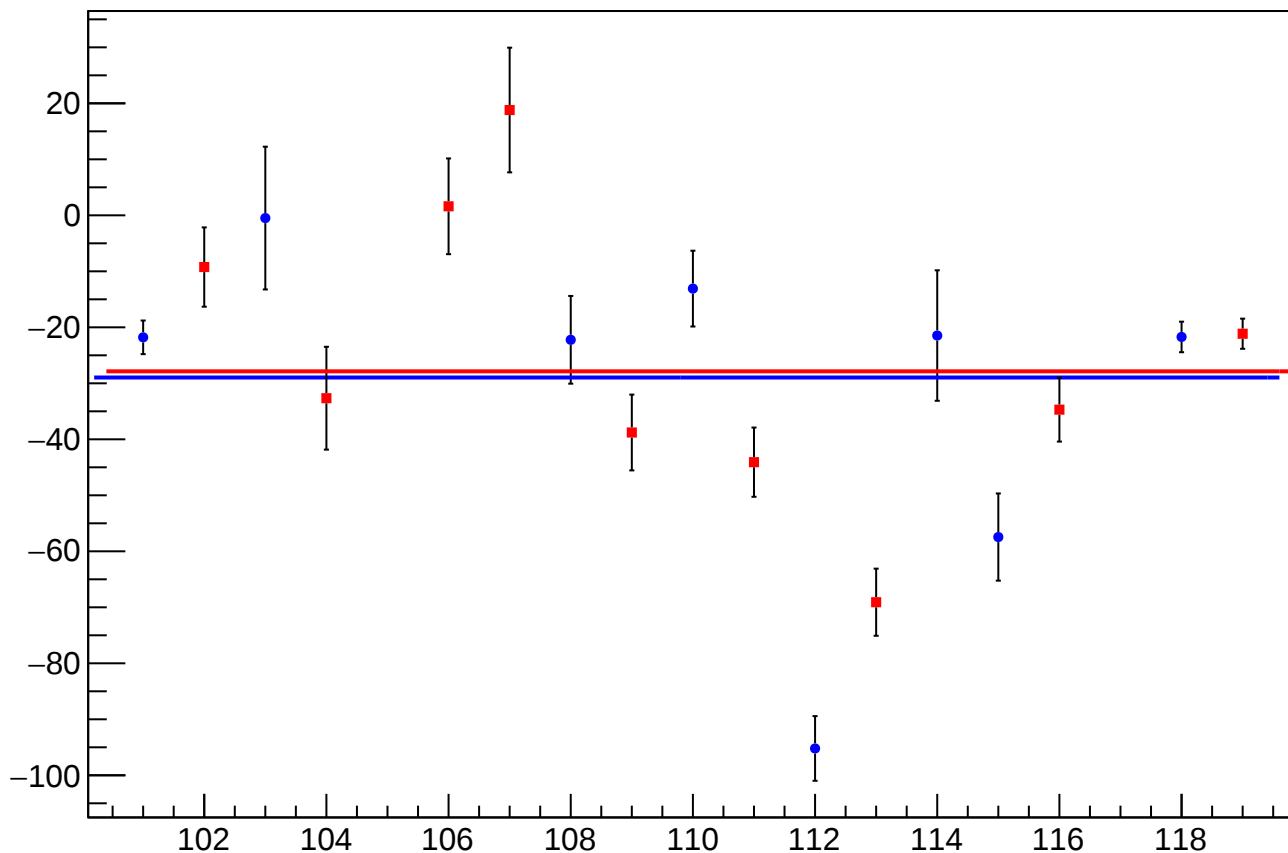
Right: 87.907+/-2.022  $\chi^2/\text{NDF}$ : 3711.4/16

In: 63.313+/-2.843  $\chi^2/\text{NDF}$ : 1813.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 87.907+/-2.022  $\chi^2/\text{NDF}$ : 3711.4/16

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-28.963 \pm 1.706$   $\chi^2/\text{NDF}$ : 169.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-27.860 \pm 1.831$   $\chi^2/\text{NDF}$ : 101.1/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

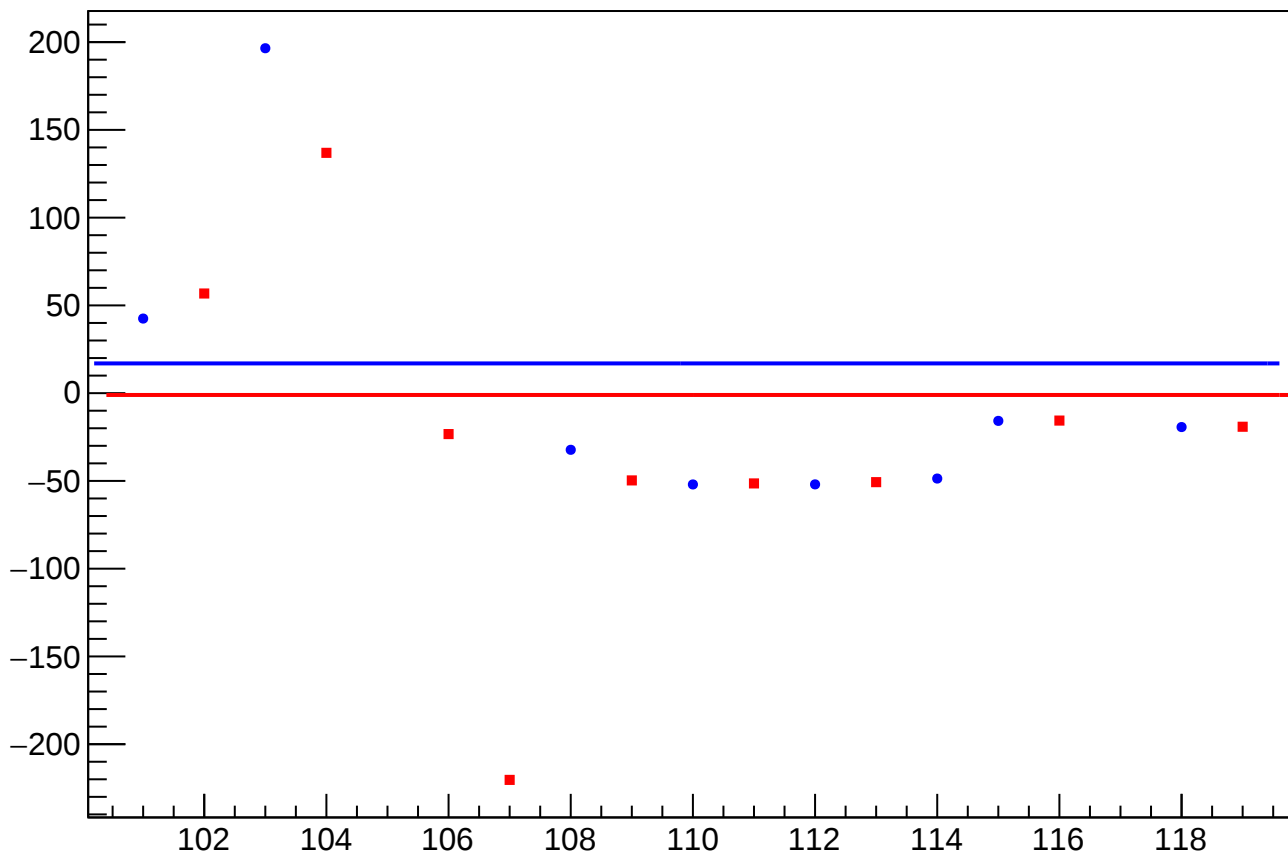
Right:  $-28.451 \pm 1.248$   $\chi^2/\text{NDF}$ : 270.7/16

In:  $-28.963 \pm 1.706$   $\chi^2/\text{NDF}$ : 169.4/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-28.451 \pm 1.248$   $\chi^2/\text{NDF}$ : 270.7/16

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.946+/-0.103  $\chi^2/\text{NDF}$ : 474919.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.030+/-0.101  $\chi^2/\text{NDF}$ : 515826.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

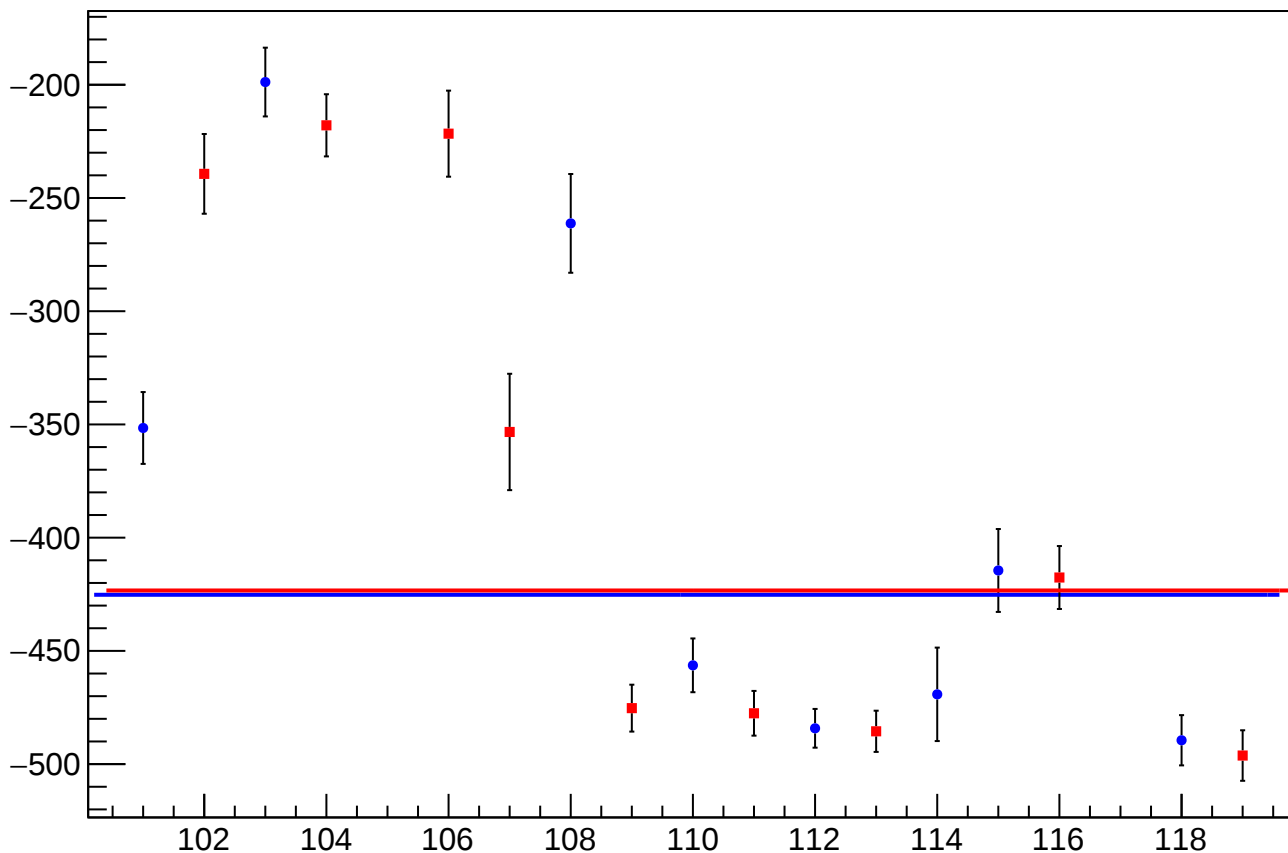
Right: 7.807+/-0.072  $\chi^2/\text{NDF}$ : 1006331.0/16

In: 16.946+/-0.103  $\chi^2/\text{NDF}$ : 474919.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.807+/-0.072  $\chi^2/\text{NDF}$ : 1006331.0/16

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -425.222+/-4.733  $\chi^2/\text{NDF}$ : 393.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -423.322+/-4.163  $\chi^2/\text{NDF}$ : 598.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

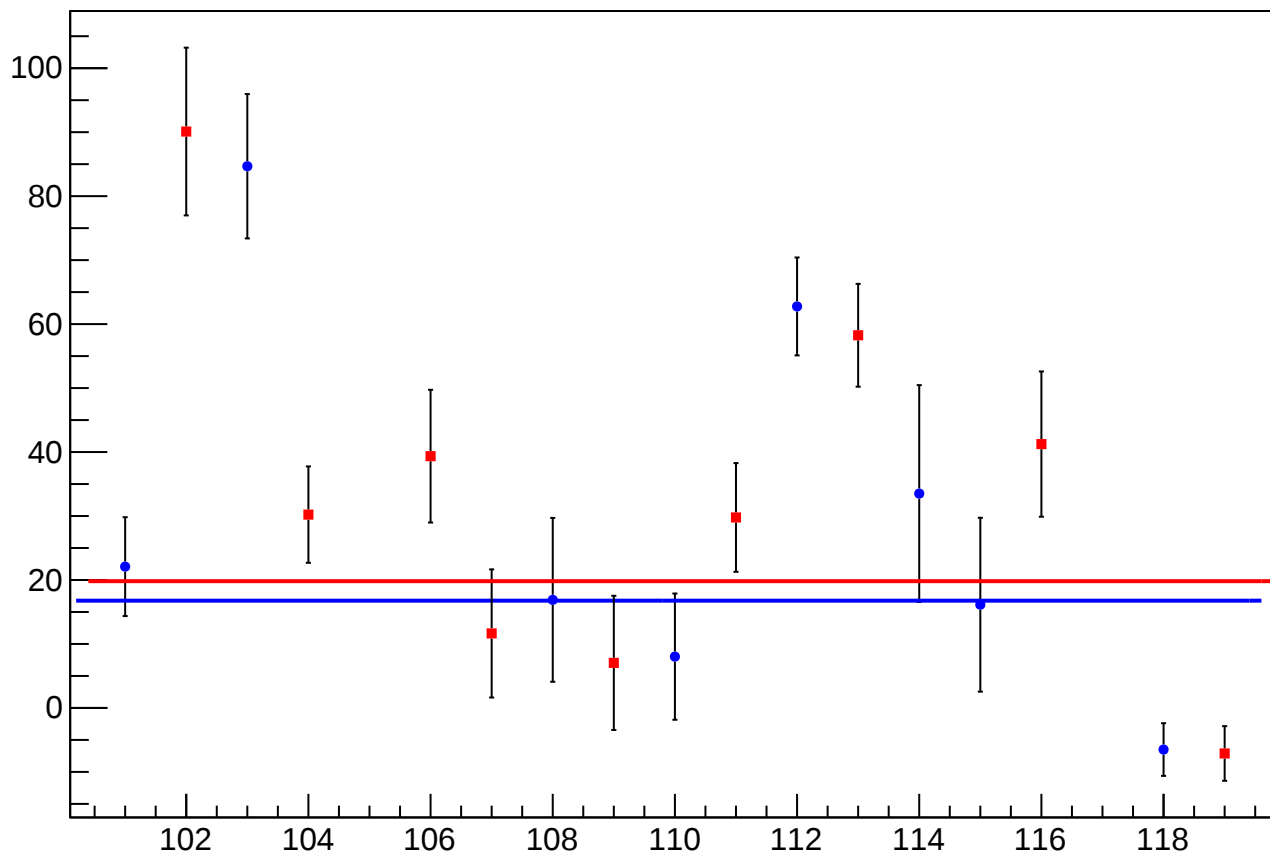
Right: -424.151+/-3.126  $\chi^2/\text{NDF}$ : 991.6/16

In: -425.222+/-4.733  $\chi^2/\text{NDF}$ : 393.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -424.151+/-3.126  $\chi^2/\text{NDF}$ : 991.6/16

reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.769+/-2.818  $\chi^2/\text{NDF}$ : 106.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.816+/-2.638  $\chi^2/\text{NDF}$ : 103.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

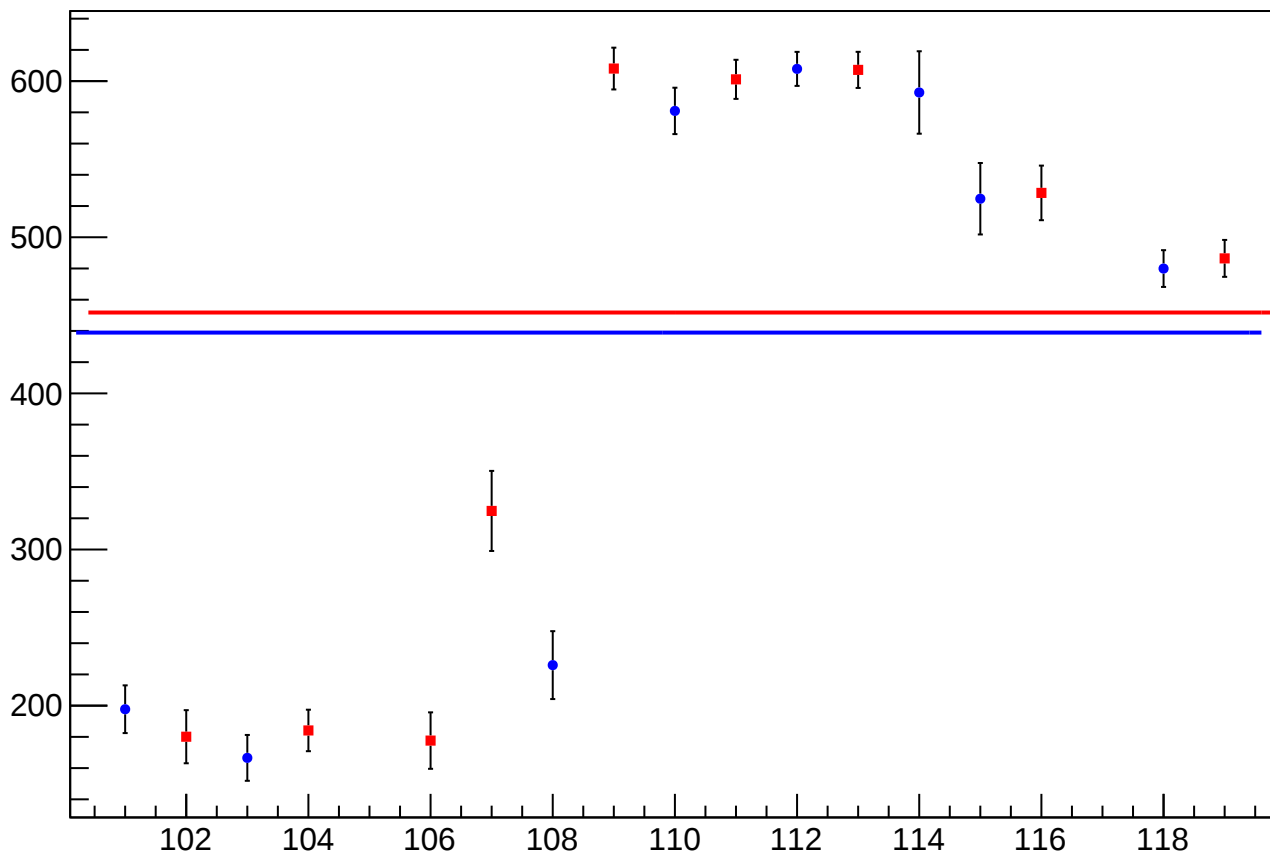
Right: 18.393+/-1.926  $\chi^2/\text{NDF}$ : 211.0/16

In: 16.769+/-2.818  $\chi^2/\text{NDF}$ : 106.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.393+/-1.926  $\chi^2/\text{NDF}$ : 211.0/16

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 438.940+/-5.380  $\chi^2/\text{NDF}$ : 1081.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 451.795+/-4.791  $\chi^2/\text{NDF}$ : 1402.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

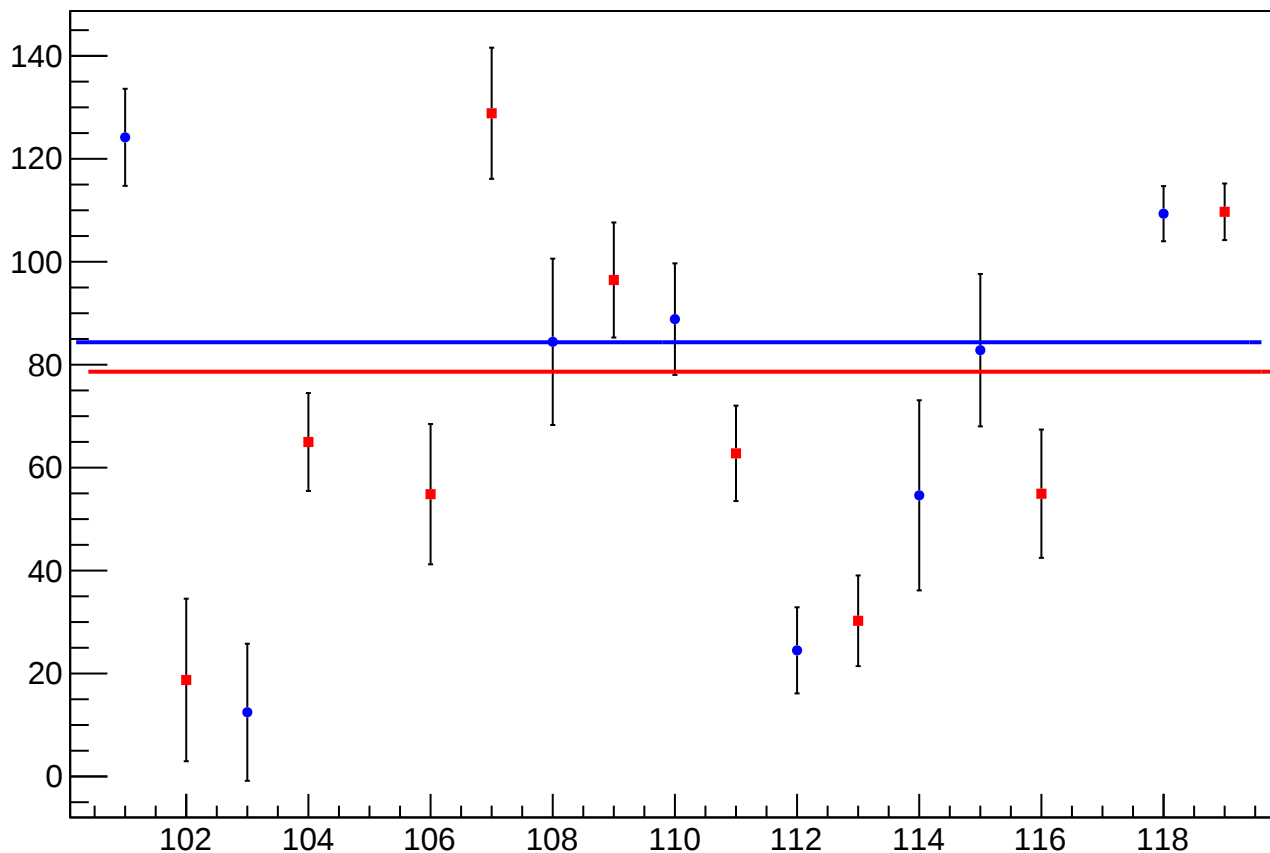
Right: 446.110+/-3.578  $\chi^2/\text{NDF}$ : 2486.5/16

In: 438.940+/-5.380  $\chi^2/\text{NDF}$ : 1081.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 446.110+/-3.578  $\chi^2/\text{NDF}$ : 2486.5/16

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 84.362+/-3.415  $\chi^2/\text{NDF}$ : 122.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 78.643+/-3.183  $\chi^2/\text{NDF}$ : 106.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

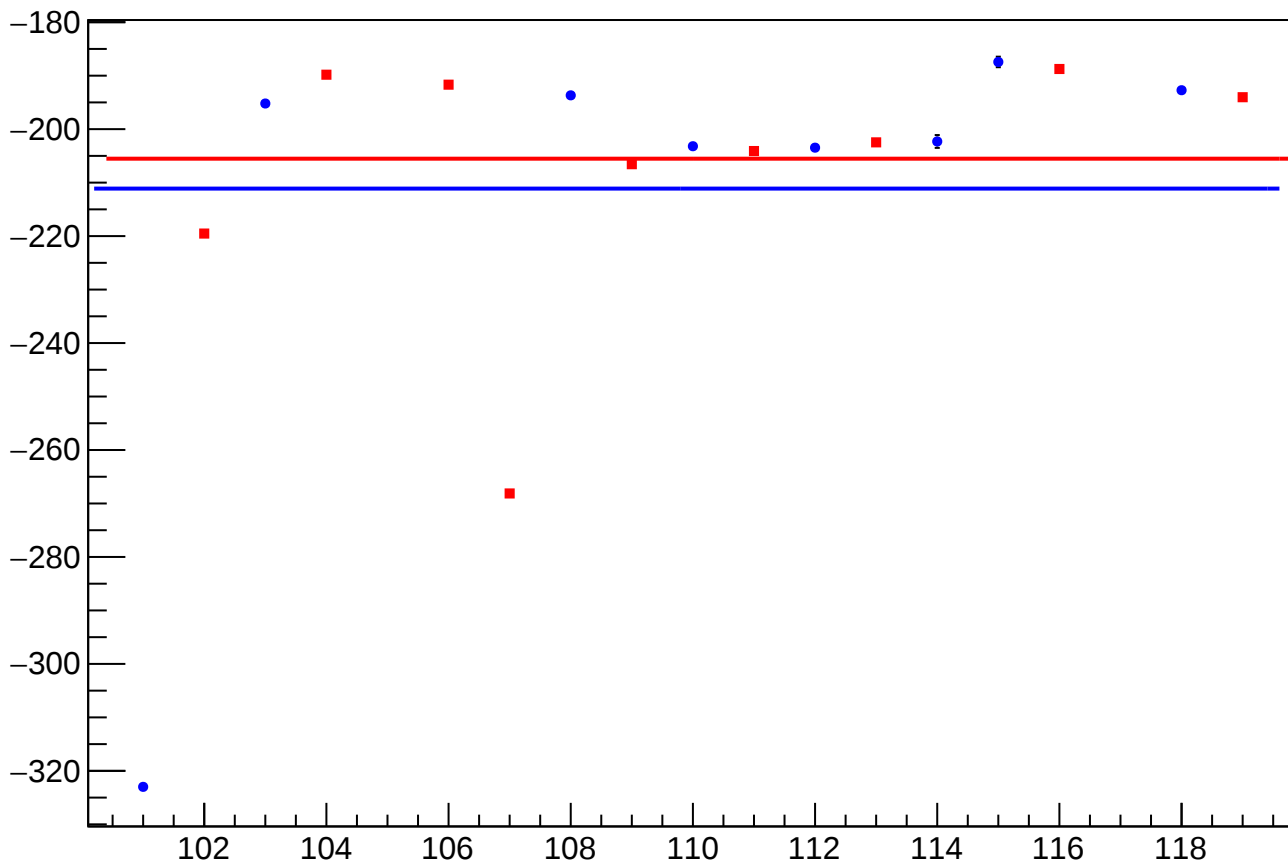
Right: 81.302+/-2.329  $\chi^2/\text{NDF}$ : 230.3/16

In: 84.362+/-3.415  $\chi^2/\text{NDF}$ : 122.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 81.302+/-2.329  $\chi^2/\text{NDF}$ : 230.3/16

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -211.116+/-0.188  $\chi^2/\text{NDF}$ : 47215.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -205.524+/-0.166  $\chi^2/\text{NDF}$ : 16362.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

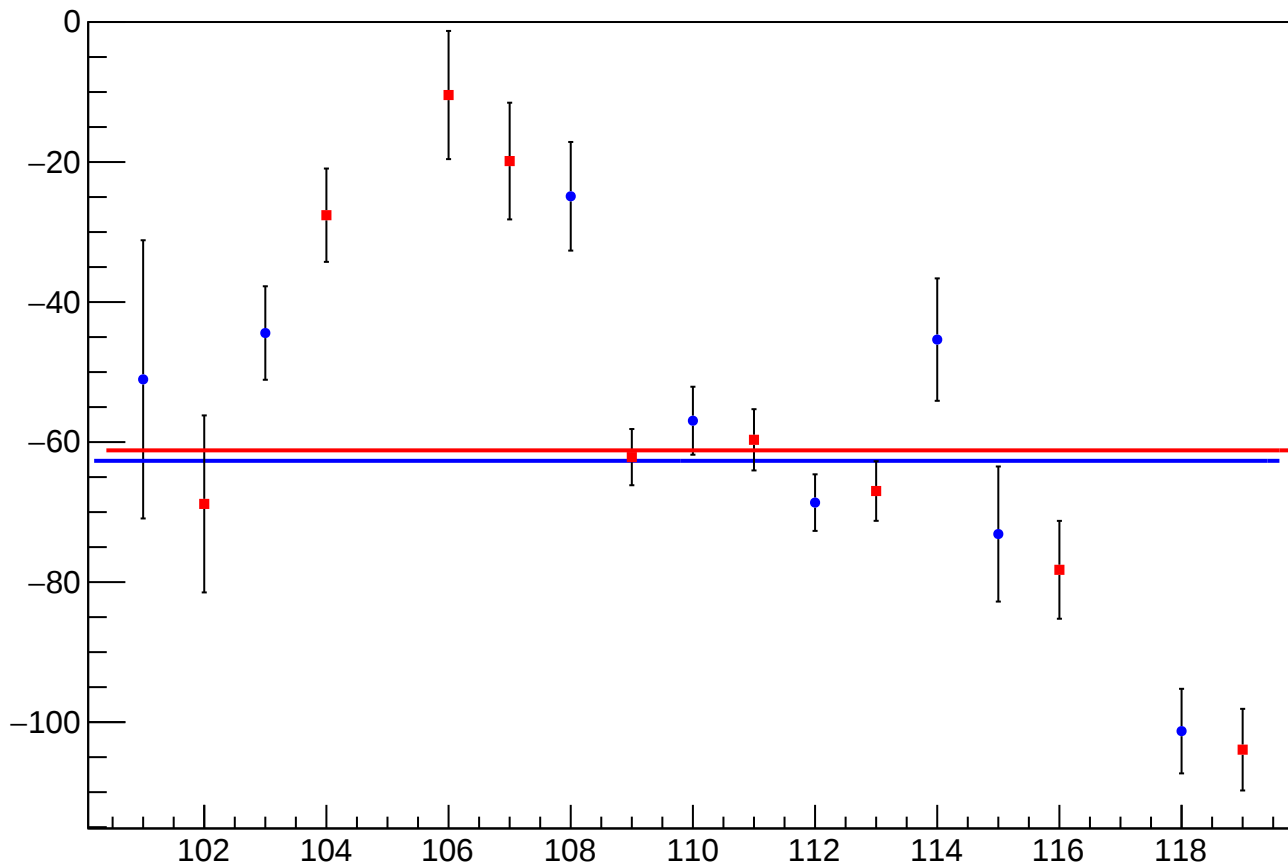
Right: -207.964+/-0.124  $\chi^2/\text{NDF}$ : 64075.9/16

In: -211.116+/-0.188  $\chi^2/\text{NDF}$ : 47215.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -207.964+/-0.124  $\chi^2/\text{NDF}$ : 64075.9/16

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.676+/-2.256  $\chi^2/\text{NDF}$ : 81.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -61.181+/-1.909  $\chi^2/\text{NDF}$ : 142.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

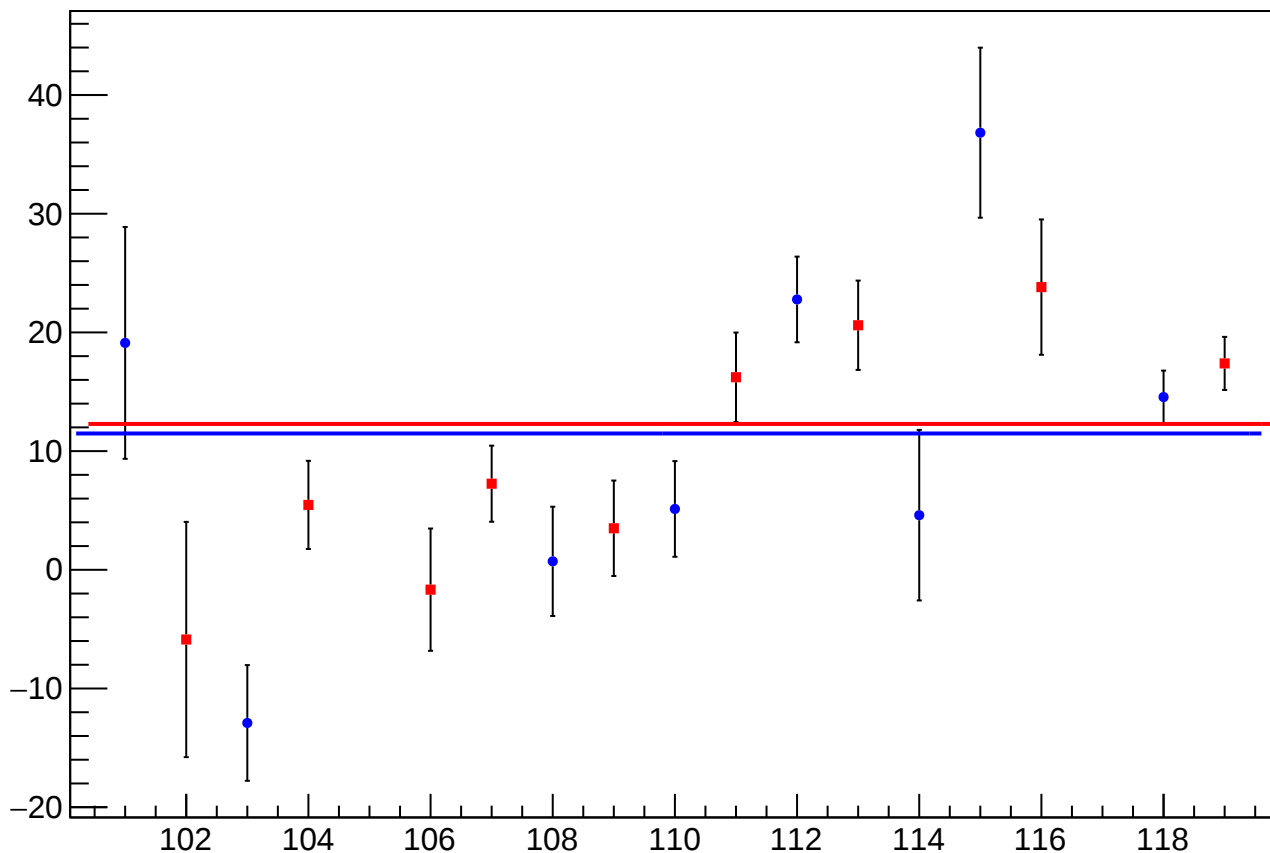
Right: -61.805+/-1.457  $\chi^2/\text{NDF}$ : 224.2/16

In: -62.676+/-2.256  $\chi^2/\text{NDF}$ : 81.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -61.805+/-1.457  $\chi^2/\text{NDF}$ : 224.2/16

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 11.485+/-1.445  $\chi^2/\text{NDF}$ : 58.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.290+/-1.239  $\chi^2/\text{NDF}$ : 36.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

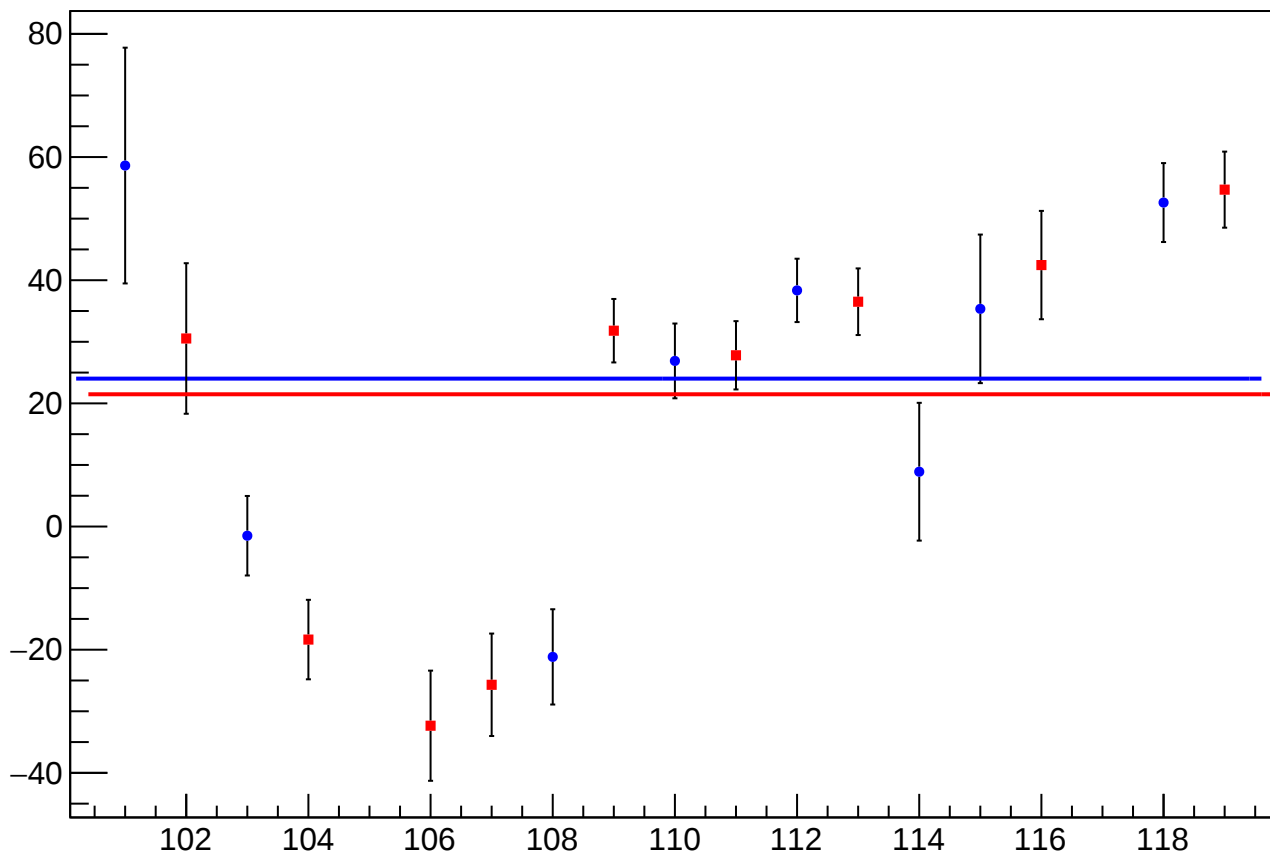
Right: 11.949+/-0.941  $\chi^2/\text{NDF}$ : 95.5/16

In: 11.485+/-1.445  $\chi^2/\text{NDF}$ : 58.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.949+/-0.941  $\chi^2/\text{NDF}$ : 95.5/16

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 24.021+/-2.604     $\chi^2/\text{NDF}$ : 83.6/7

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.478+/-2.230     $\chi^2/\text{NDF}$ : 154.7/8

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

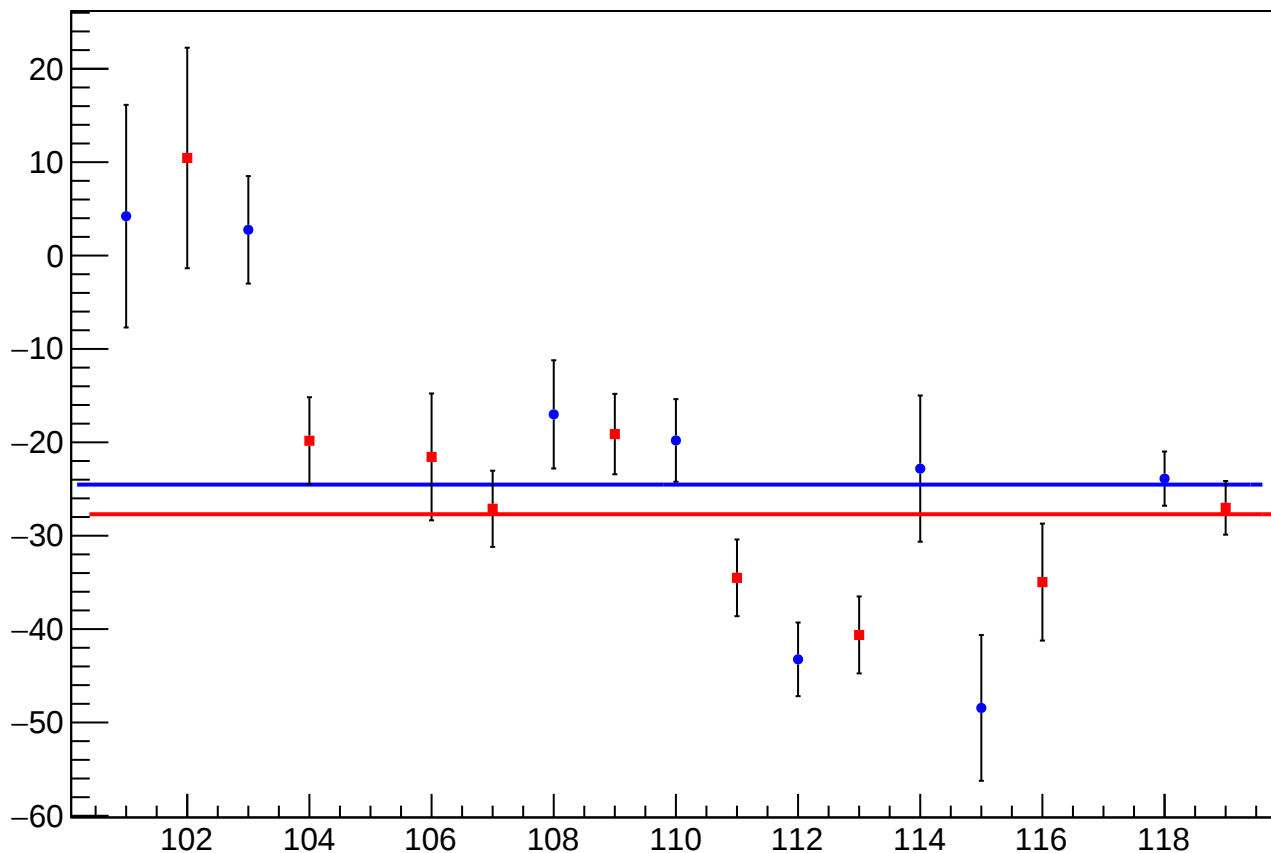
Right: 22.554+/-1.694     $\chi^2/\text{NDF}$ : 238.8/16

In: 24.021+/-2.604     $\chi^2/\text{NDF}$ : 83.6/7

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 22.554+/-1.694     $\chi^2/\text{NDF}$ : 238.8/16

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -24.526 $\pm$ 1.731  $\chi^2$ /NDF: 63.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -27.701 $\pm$ 1.485  $\chi^2$ /NDF: 32.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

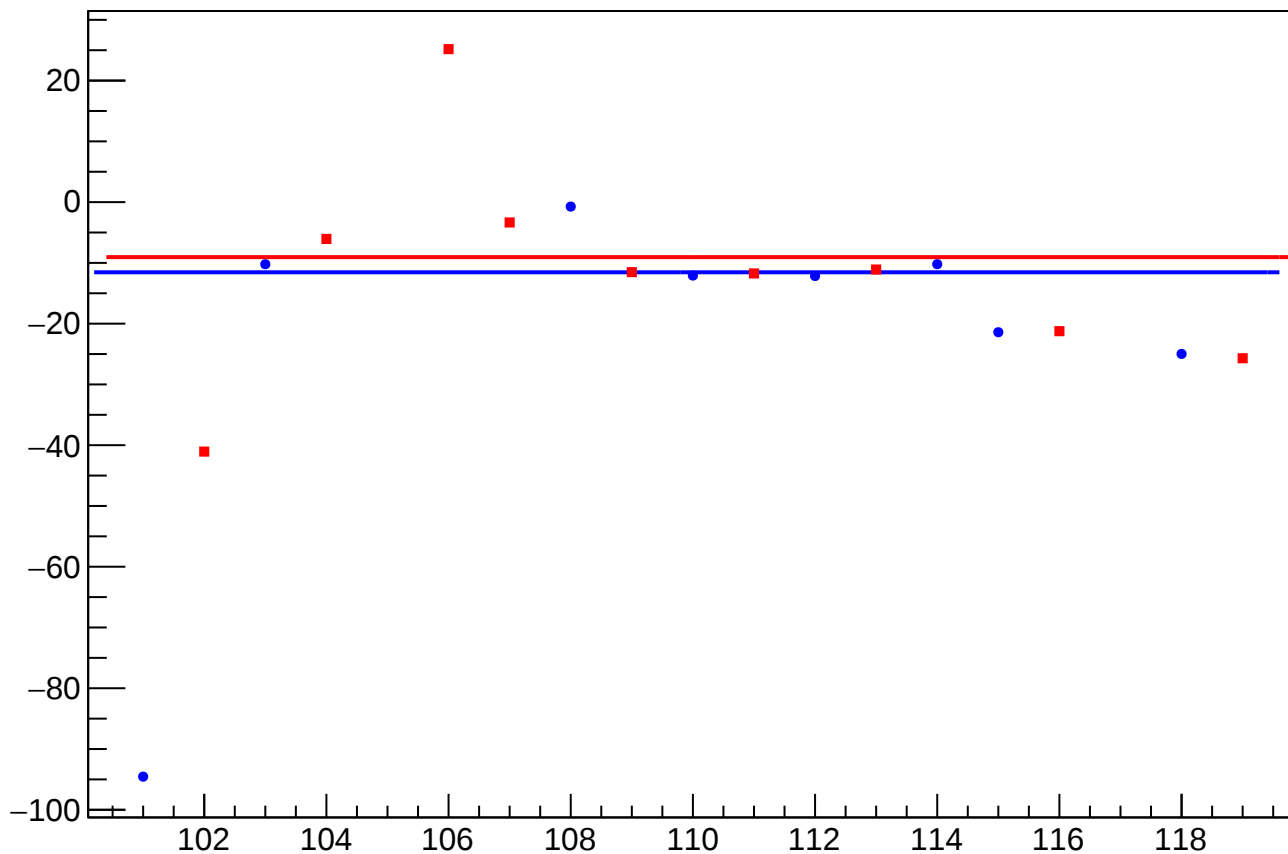
Right: -26.355 $\pm$ 1.127  $\chi^2$ /NDF: 97.1/16

In: -24.526 $\pm$ 1.731  $\chi^2$ /NDF:63.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -26.355 $\pm$ 1.127  $\chi^2$ /NDF: 97.1/16

reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -11.546 $\pm$ 0.087  $\chi^2$ /NDF: 21426.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -9.053 $\pm$ 0.077  $\chi^2$ /NDF: 40099.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

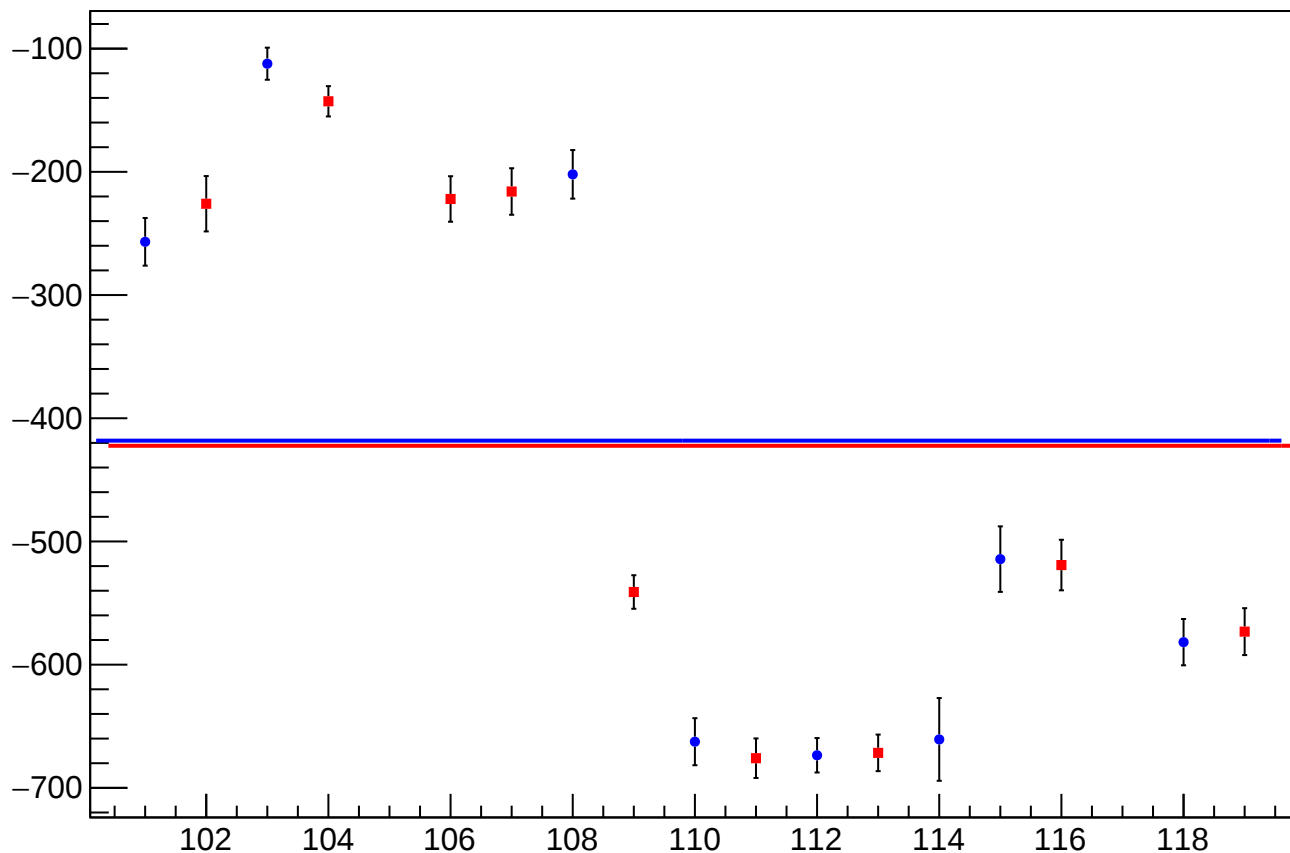
Right: -10.148 $\pm$ 0.058  $\chi^2$ /NDF: 61988.9/16

In: -11.546 $\pm$ 0.087  $\chi^2$ /NDF:21426.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -10.148 $\pm$ 0.058  $\chi^2$ /NDF: 61988.9/16

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -418.176+/-6.436  $\chi^2/\text{NDF}$ : 1380.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -422.338+/-5.480  $\chi^2/\text{NDF}$ : 1523.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

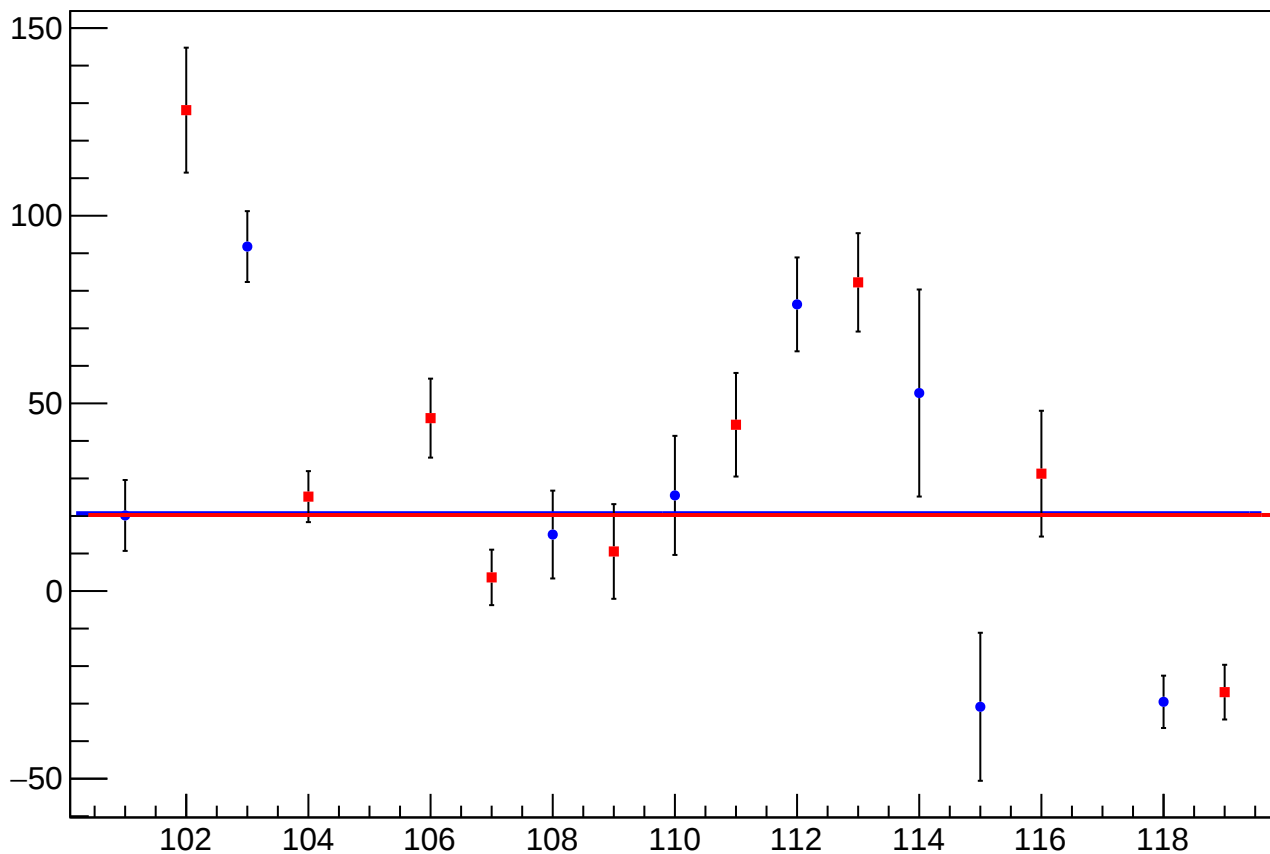
Right: -420.589+/-4.172  $\chi^2/\text{NDF}$ : 2905.0/16

In: -418.176+/-6.436  $\chi^2/\text{NDF}$ : 1380.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -420.589+/-4.172  $\chi^2/\text{NDF}$ : 2905.0/16

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 20.735+/-3.936  $\chi^2/\text{NDF}$ : 136.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.263+/-3.291  $\chi^2/\text{NDF}$ : 122.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

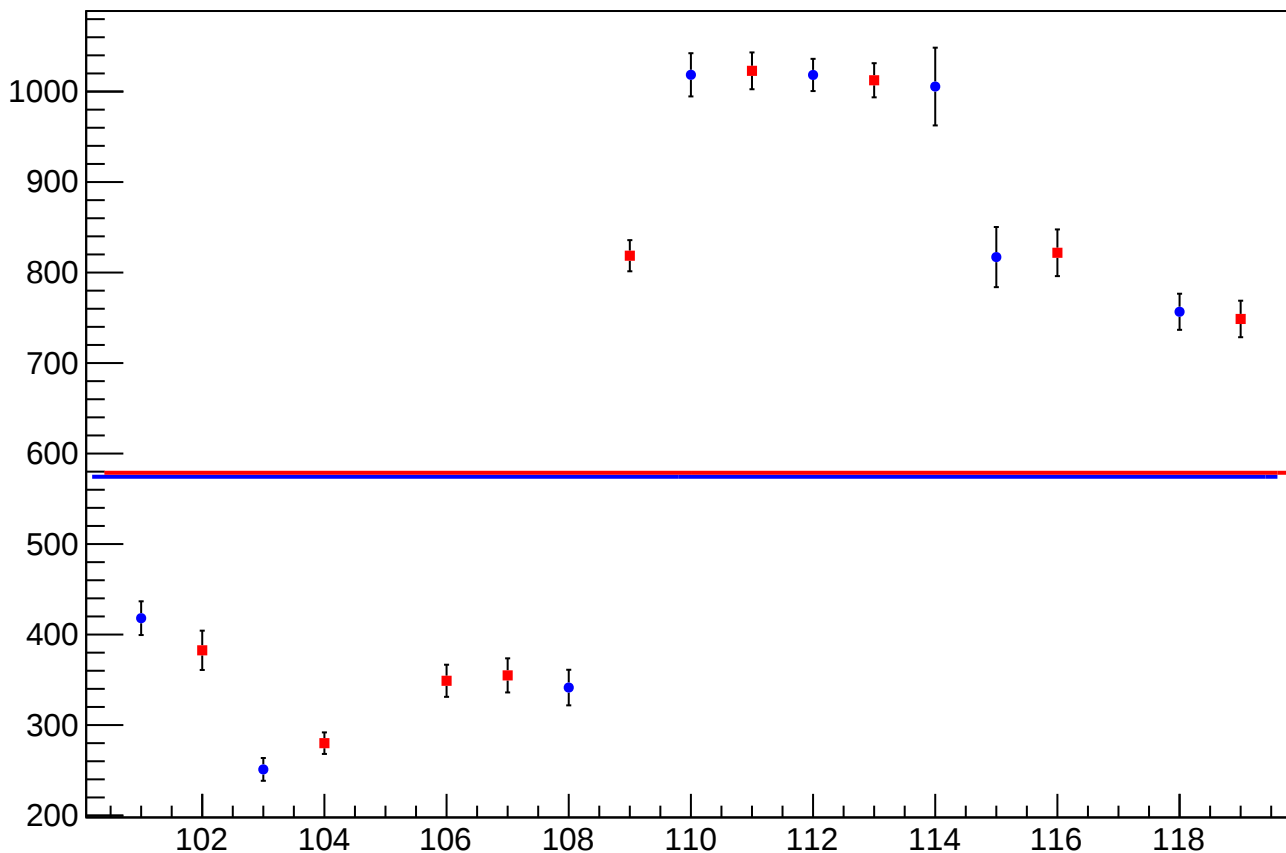
Right: 20.458+/-2.525  $\chi^2/\text{NDF}$ : 258.8/16

In: 20.735+/-3.936  $\chi^2/\text{NDF}$ : 136.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.458+/-2.525  $\chi^2/\text{NDF}$ : 258.8/16

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 574.366+/-6.960  $\chi^2/\text{NDF}$ : 2076.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 578.770+/-6.005  $\chi^2/\text{NDF}$ : 2379.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

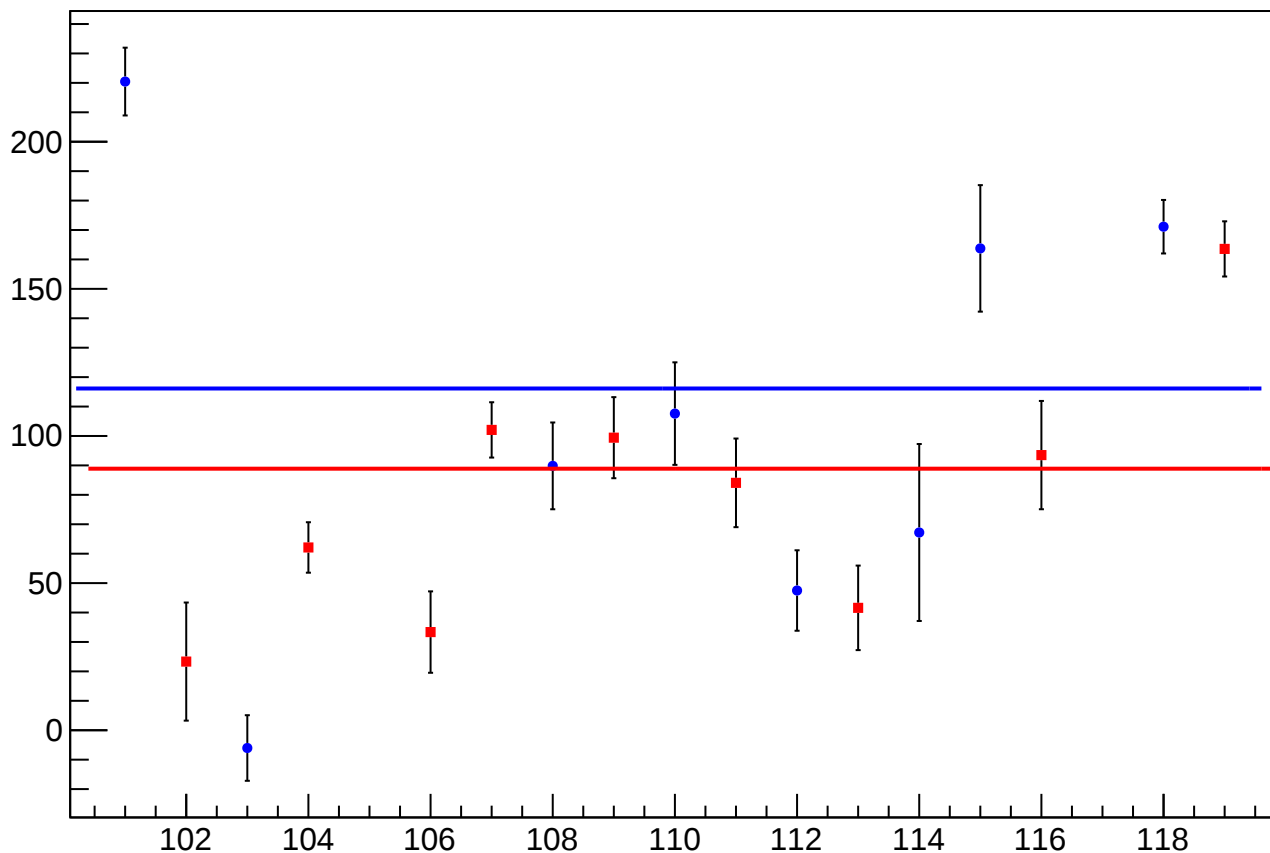
Right: 576.891+/-4.547  $\chi^2/\text{NDF}$ : 4456.3/16

In: 574.366+/-6.960  $\chi^2/\text{NDF}$ : 2076.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 576.891+/-4.547  $\chi^2/\text{NDF}$ : 4456.3/16

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 116.136 $\pm$ 4.757  $\chi^2$ /NDF: 274.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 88.885 $\pm$ 4.033  $\chi^2$ /NDF: 113.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

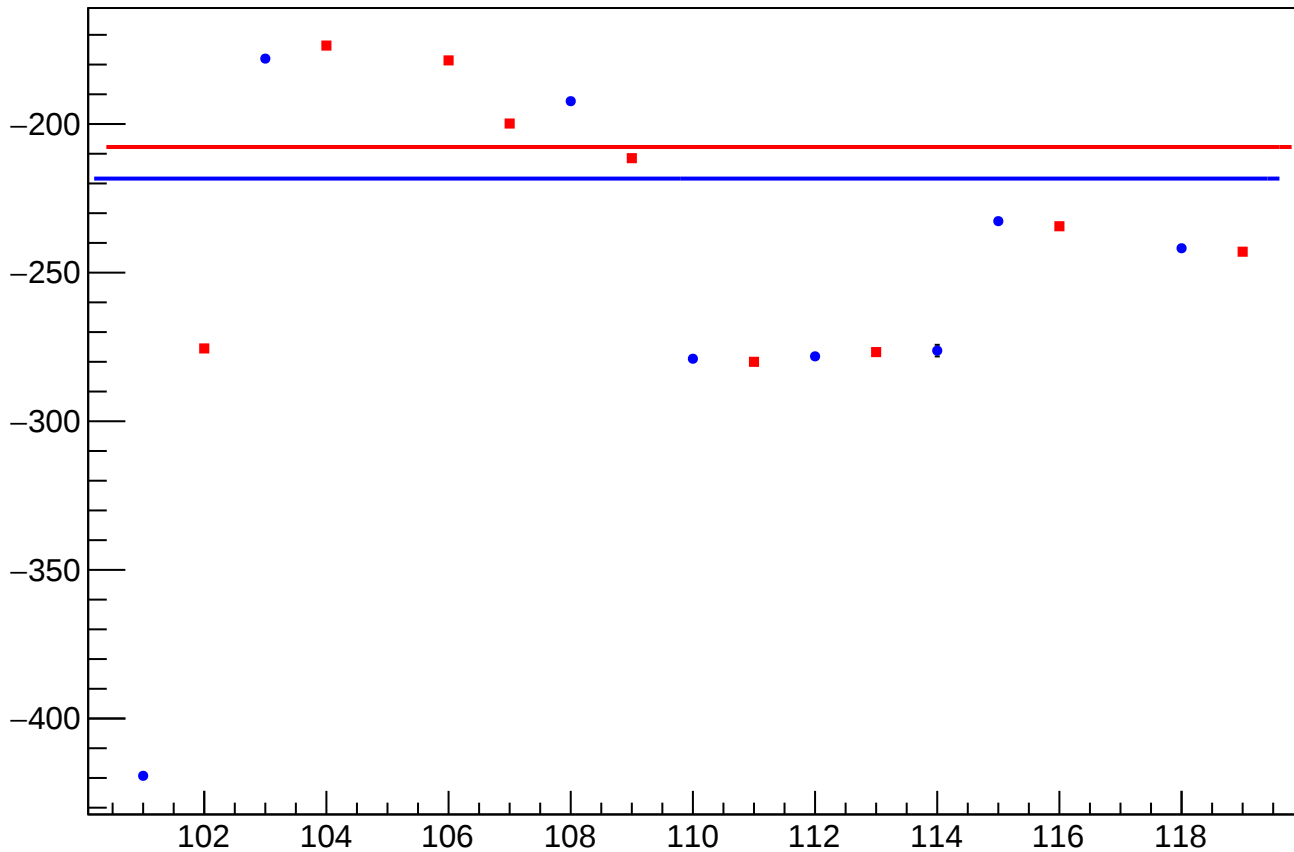
Right: 100.282 $\pm$ 3.076  $\chi^2$ /NDF: 407.5/16

In: 116.136 $\pm$ 4.757  $\chi^2$ /NDF:274.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 100.282 $\pm$ 3.076  $\chi^2$ /NDF: 407.5/16

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -218.358+/-0.204  $\chi^2/\text{NDF}$ : 123330.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -207.731+/-0.181  $\chi^2/\text{NDF}$ : 48903.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

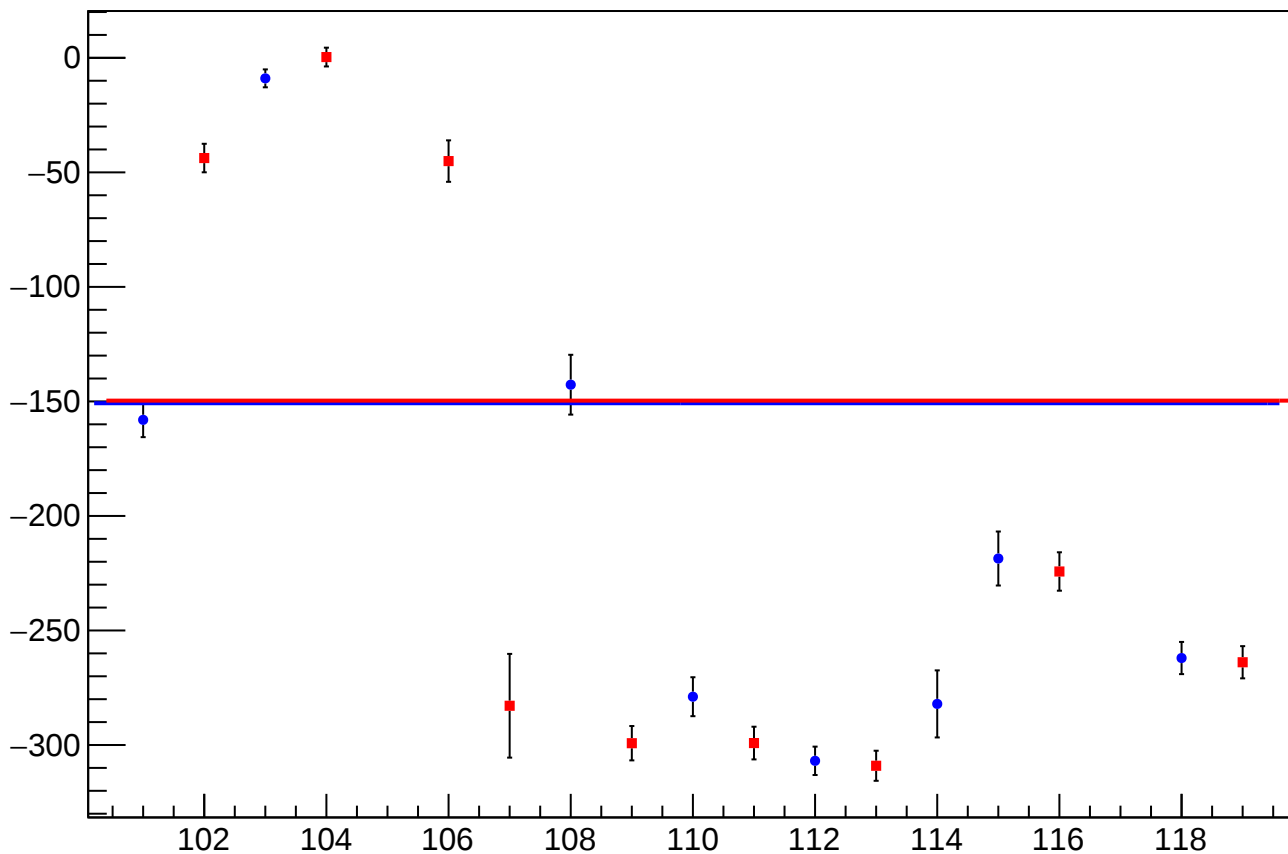
Right: -212.408+/-0.135  $\chi^2/\text{NDF}$ : 173759.7/16

In: -218.358+/-0.204  $\chi^2/\text{NDF}$ : 123330.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -212.408+/-0.135  $\chi^2/\text{NDF}$ : 173759.7/16

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-150.796 \pm 2.494$   $\chi^2/\text{NDF}$ : 2543.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-149.655 \pm 2.267$   $\chi^2/\text{NDF}$ : 3564.9/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

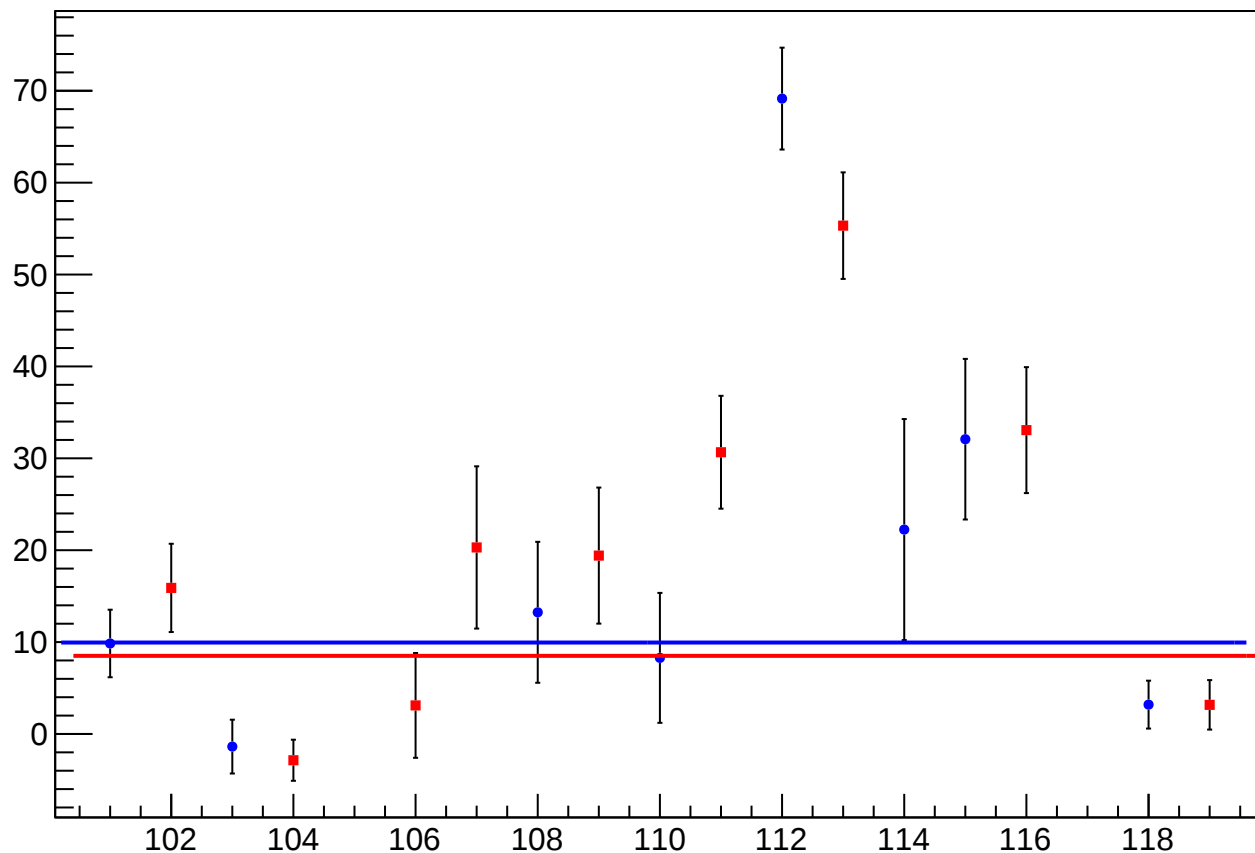
Right:  $-150.171 \pm 1.678$   $\chi^2/\text{NDF}$ : 6108.2/16

In:  $-150.796 \pm 2.494$   $\chi^2/\text{NDF}$ : 2543.2/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-150.171 \pm 1.678$   $\chi^2/\text{NDF}$ : 6108.2/16

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.952+/-1.530  $\chi^2/\text{NDF}$ : 143.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 8.503+/-1.386  $\chi^2/\text{NDF}$ : 128.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

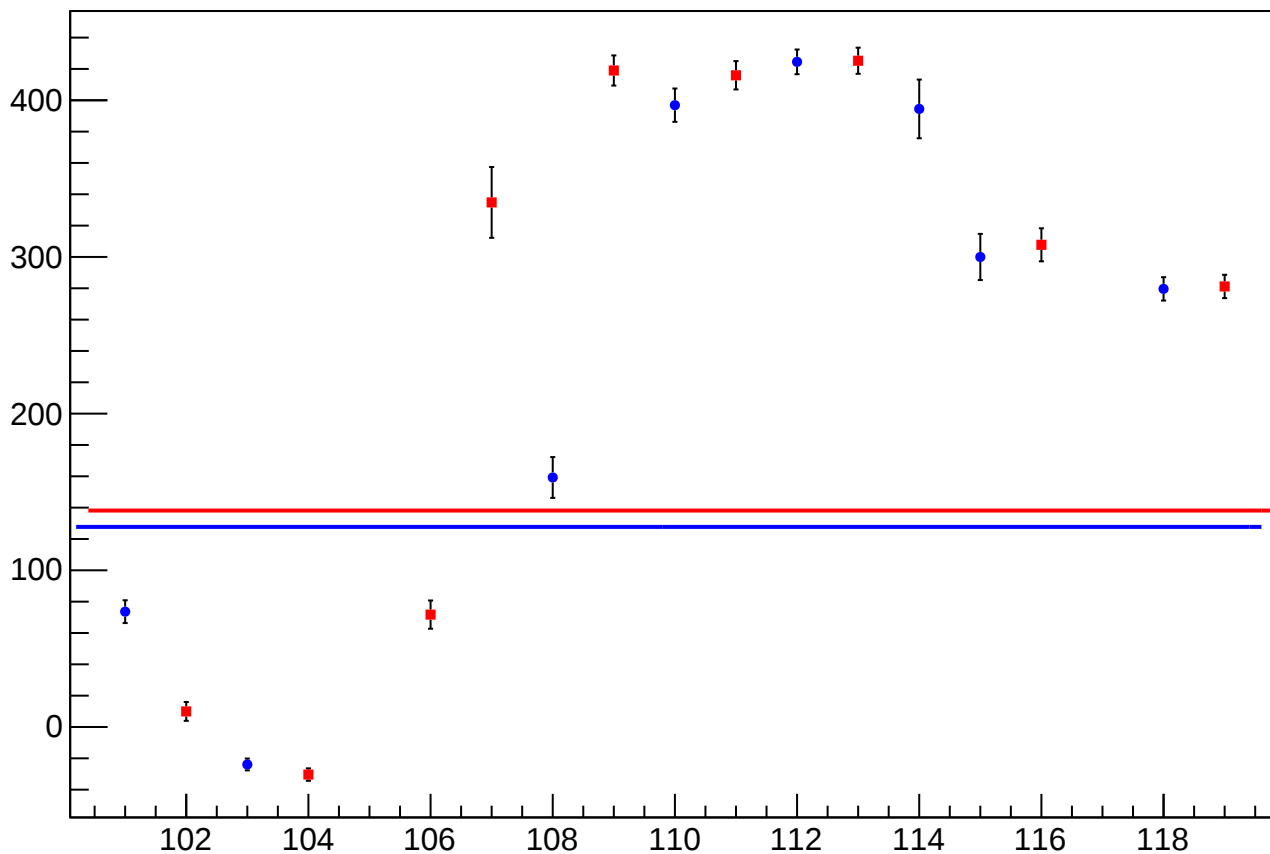
Right: 9.156+/-1.027  $\chi^2/\text{NDF}$ : 271.9/16

In: 9.952+/-1.530  $\chi^2/\text{NDF}$ :143.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 9.156+/-1.027  $\chi^2/\text{NDF}$ : 271.9/16

reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 127.706+/-2.626  $\chi^2/\text{NDF}$ : 4479.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 138.138+/-2.428  $\chi^2/\text{NDF}$ : 5991.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

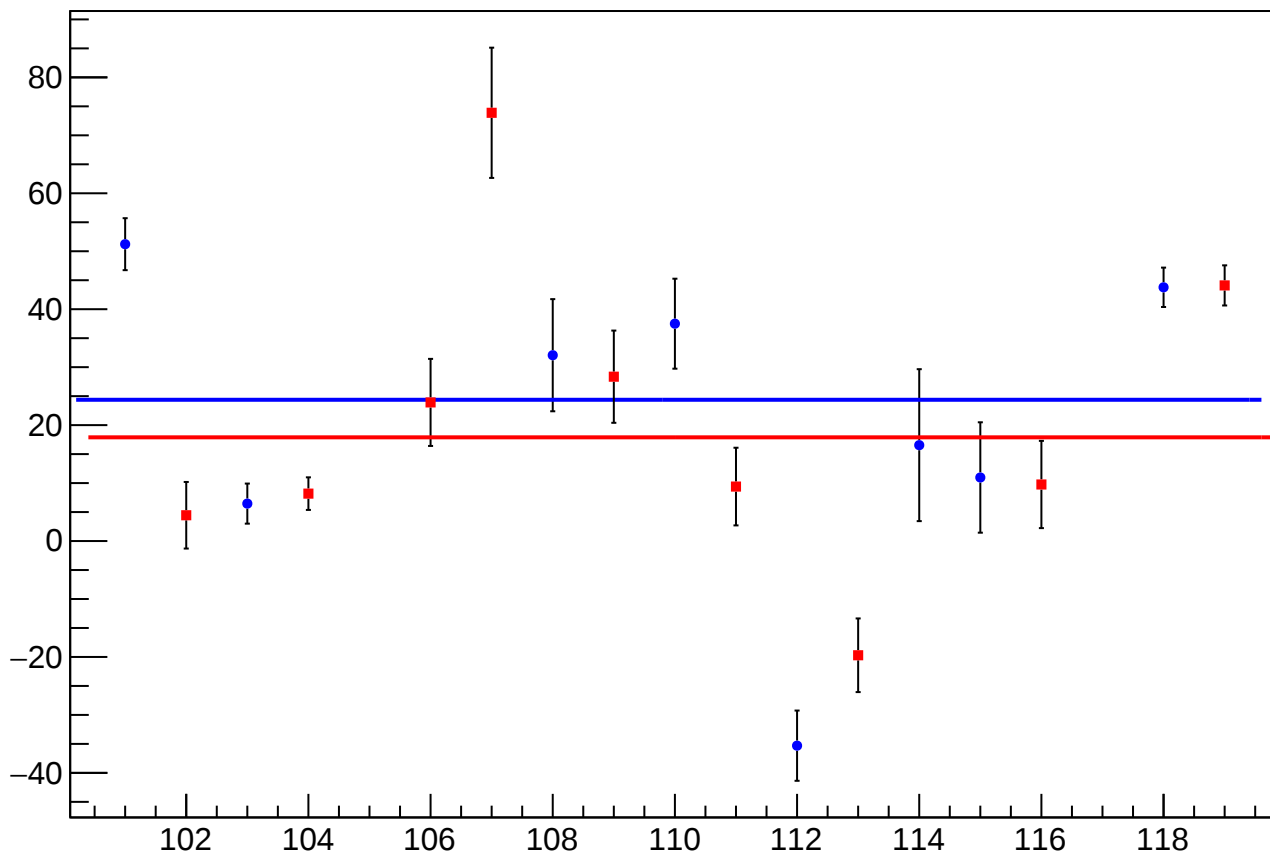
Right: 133.330+/-1.782  $\chi^2/\text{NDF}$ : 10479.4/16

In: 127.706+/-2.626  $\chi^2/\text{NDF}$ : 4479.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 133.330+/-1.782  $\chi^2/\text{NDF}$ : 10479.4/16

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 24.373 $\pm$ 1.853  $\chi^2$ /NDF: 198.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.893 $\pm$ 1.699  $\chi^2$ /NDF: 139.7/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

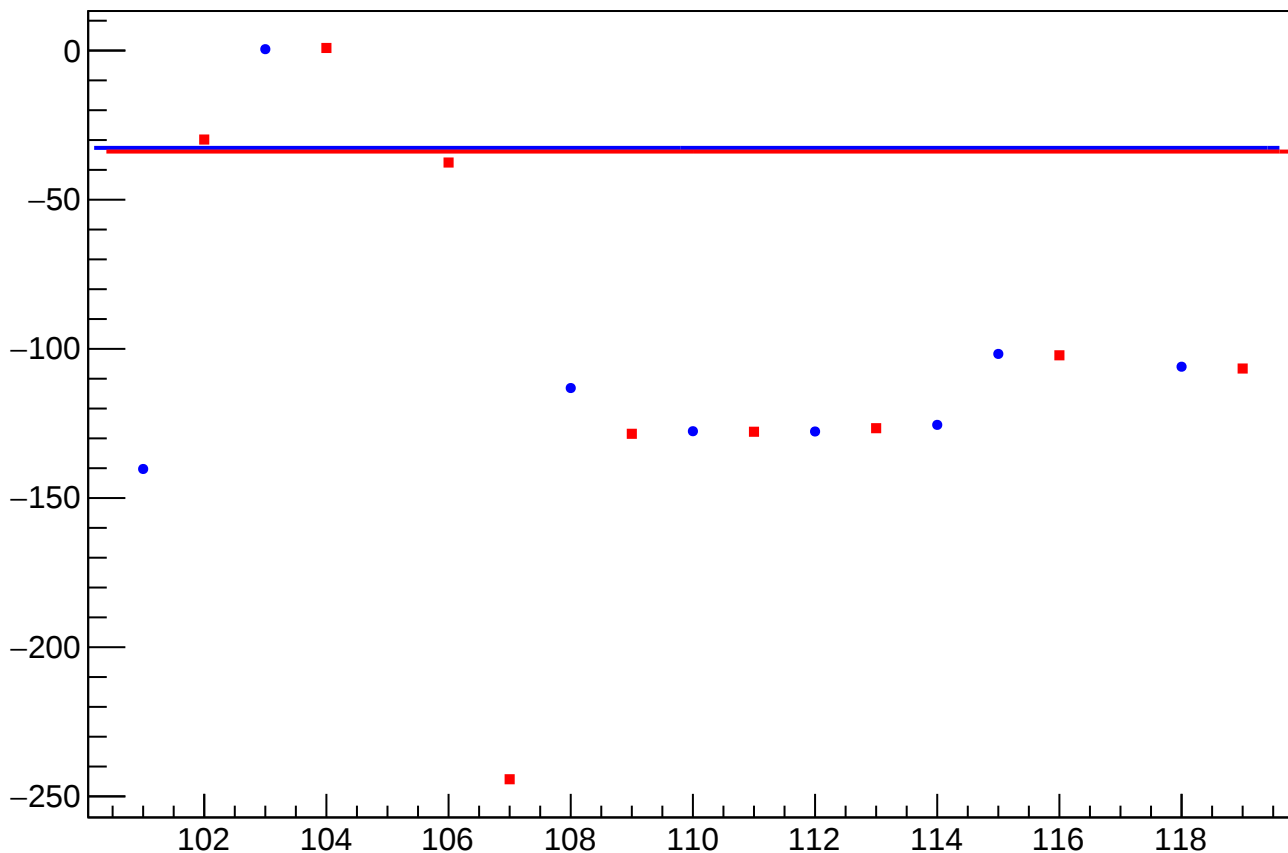
Right: 20.854 $\pm$ 1.252  $\chi^2$ /NDF: 344.5/16

In: 24.373 $\pm$ 1.853  $\chi^2$ /NDF: 198.1/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.854 $\pm$ 1.252  $\chi^2$ /NDF: 344.5/16

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-32.628 \pm 0.073$   $\chi^2/\text{NDF}: 574275.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-33.866 \pm 0.069$   $\chi^2/\text{NDF}: 524519.9/8$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

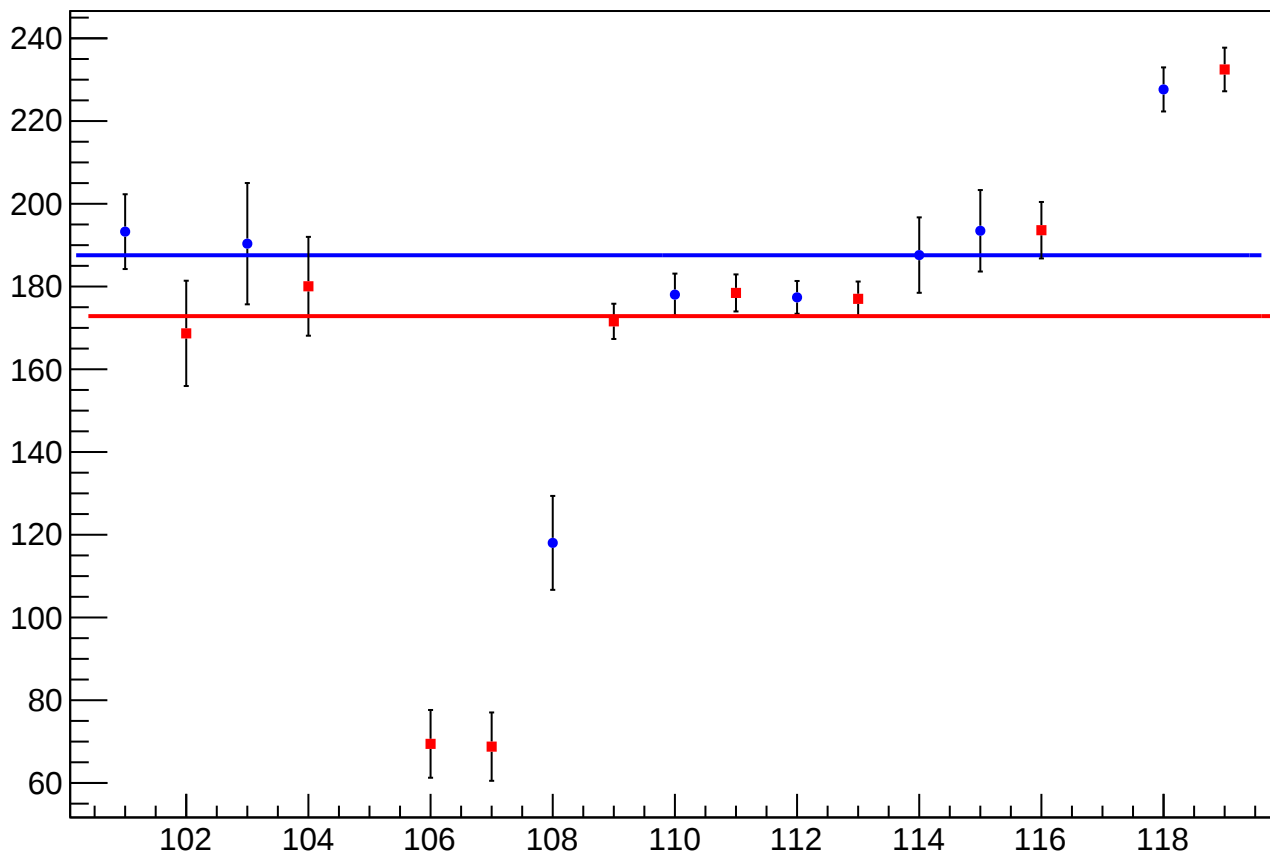
Right:  $-33.280 \pm 0.050$   $\chi^2/\text{NDF}: 1098949.4/16$

In:  $-32.628 \pm 0.073$   $\chi^2/\text{NDF}: 574275.9/7$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-33.280 \pm 0.050$   $\chi^2/\text{NDF}: 1098949.4/16$

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 187.559 $\pm$ 2.327  $\chi^2$ /NDF: 105.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 172.847 $\pm$ 1.952  $\chi^2$ /NDF: 458.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

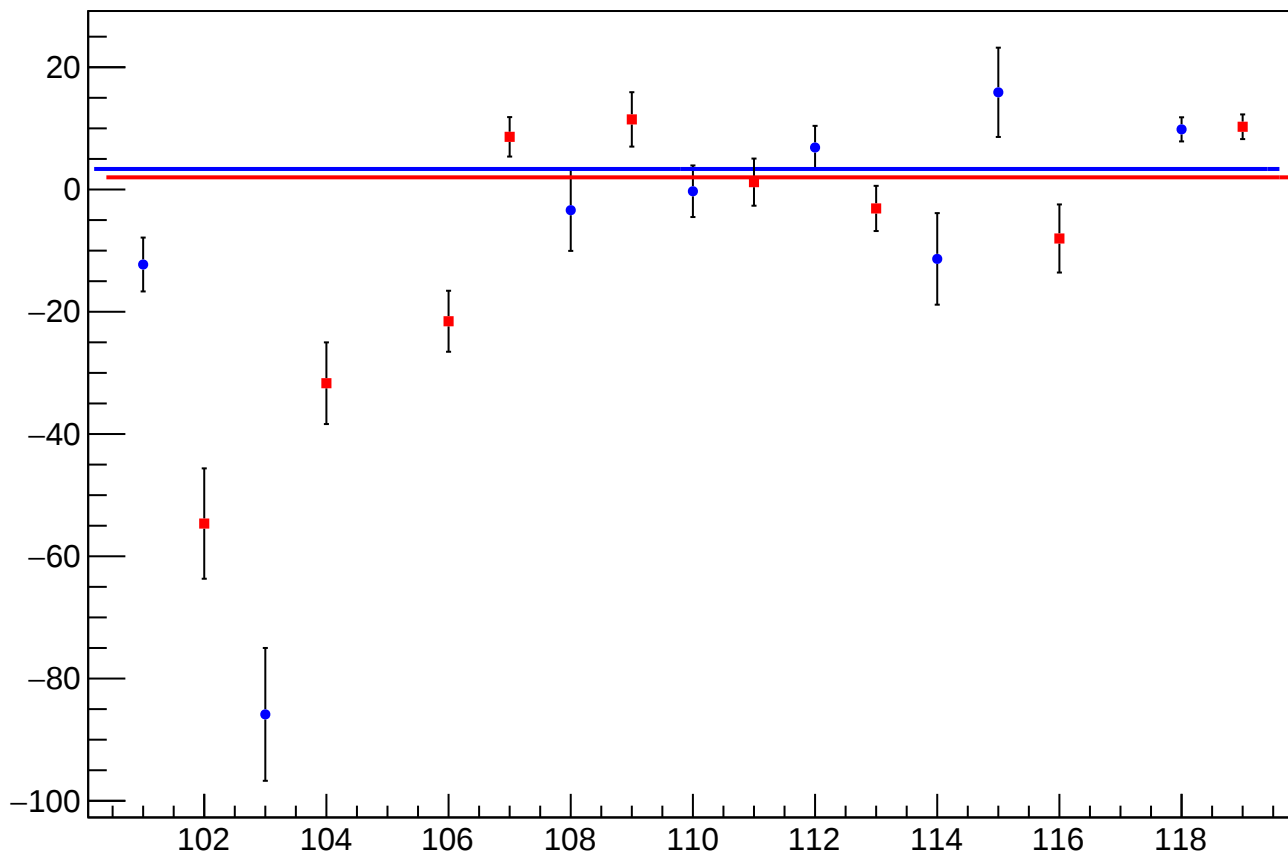
Right: 178.925 $\pm$ 1.495  $\chi^2$ /NDF: 587.0/16

In: 187.559 $\pm$ 2.327  $\chi^2$ /NDF:105.0/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 178.925 $\pm$ 1.495  $\chi^2$ /NDF: 587.0/16

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.359+/-1.398  $\chi^2/\text{NDF}$ : 100.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.990+/-1.251  $\chi^2/\text{NDF}$ : 117.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

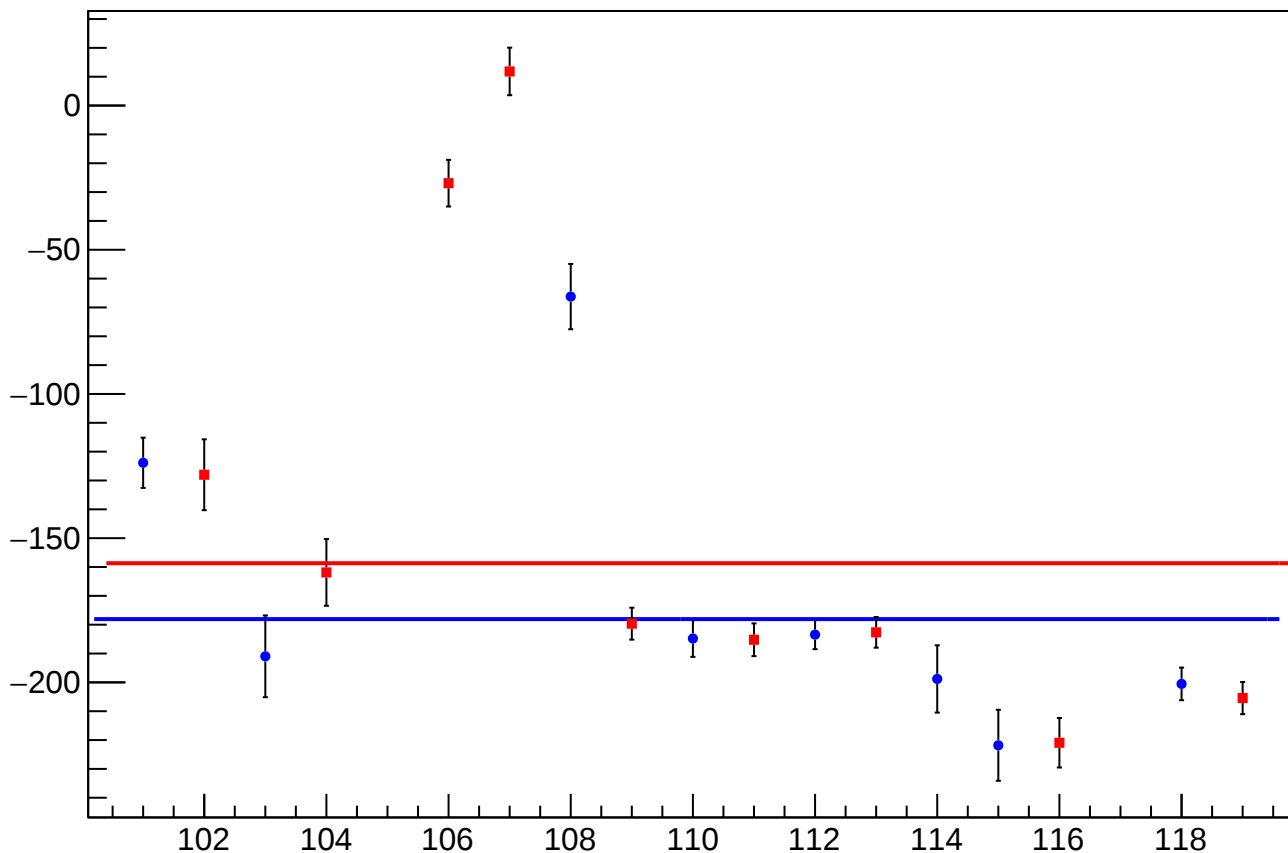
Right: 2.599+/-0.932  $\chi^2/\text{NDF}$ : 218.6/16

In: 3.359+/-1.398  $\chi^2/\text{NDF}$ : 100.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.599+/-0.932  $\chi^2/\text{NDF}$ : 218.6/16

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -178.058+/-2.719  $\chi^2/\text{NDF}$ : 171.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -158.680+/-2.301  $\chi^2/\text{NDF}$ : 878.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

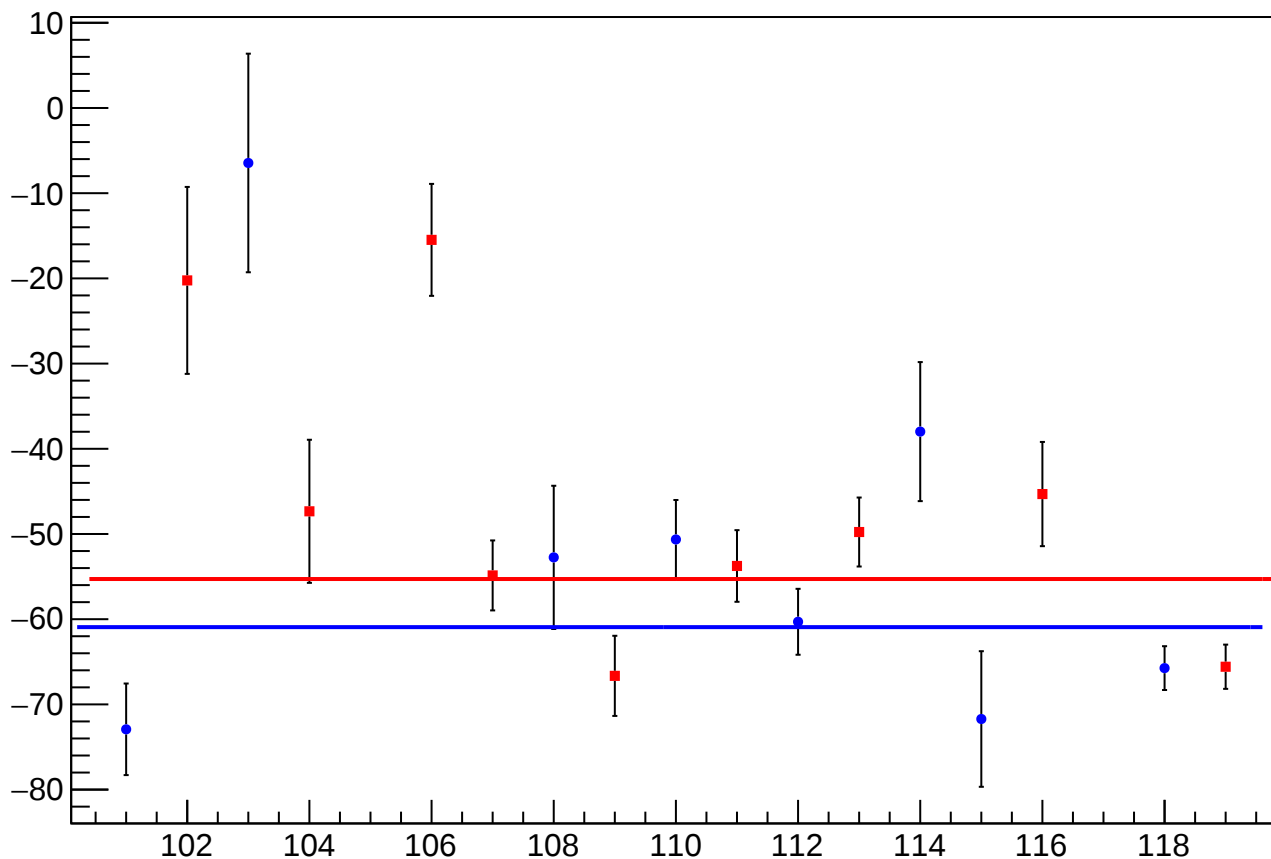
Right: -166.768+/-1.757  $\chi^2/\text{NDF}$ : 1079.1/16

In: -178.058+/-2.719  $\chi^2/\text{NDF}$ : 171.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -166.768+/-1.757  $\chi^2/\text{NDF}$ : 1079.1/16

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -60.931 $\pm$ 1.689  $\chi^2$ /NDF: 42.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -55.285 $\pm$ 1.503  $\chi^2$ /NDF: 74.0/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

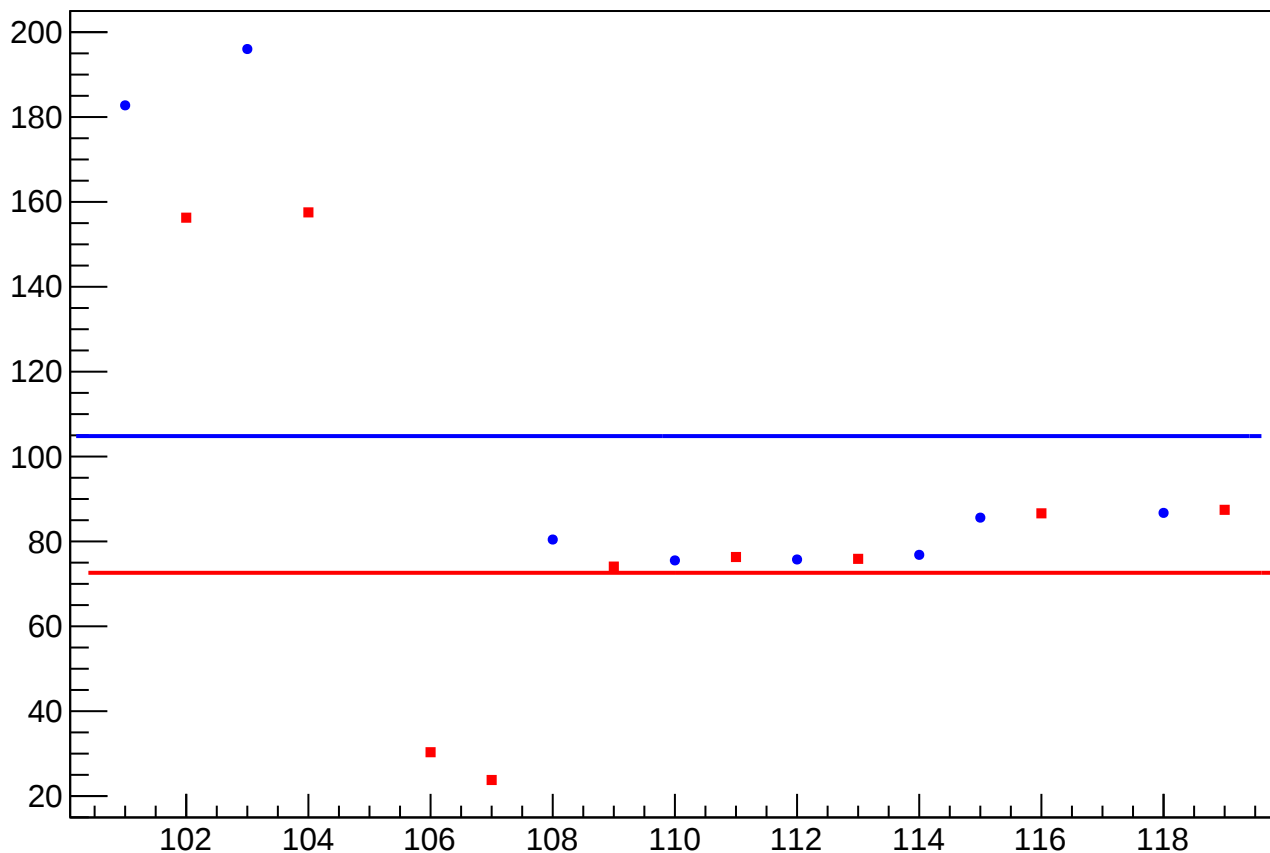
Right: -57.779 $\pm$ 1.123  $\chi^2$ /NDF: 122.4/16

In: -60.931 $\pm$ 1.689  $\chi^2$ /NDF:42.2/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -57.779 $\pm$ 1.123  $\chi^2$ /NDF: 122.4/16

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 104.822 $\pm$ 0.106  $\chi^2$ /NDF: 186956.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 72.607 $\pm$ 0.082  $\chi^2$ /NDF: 284302.3/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

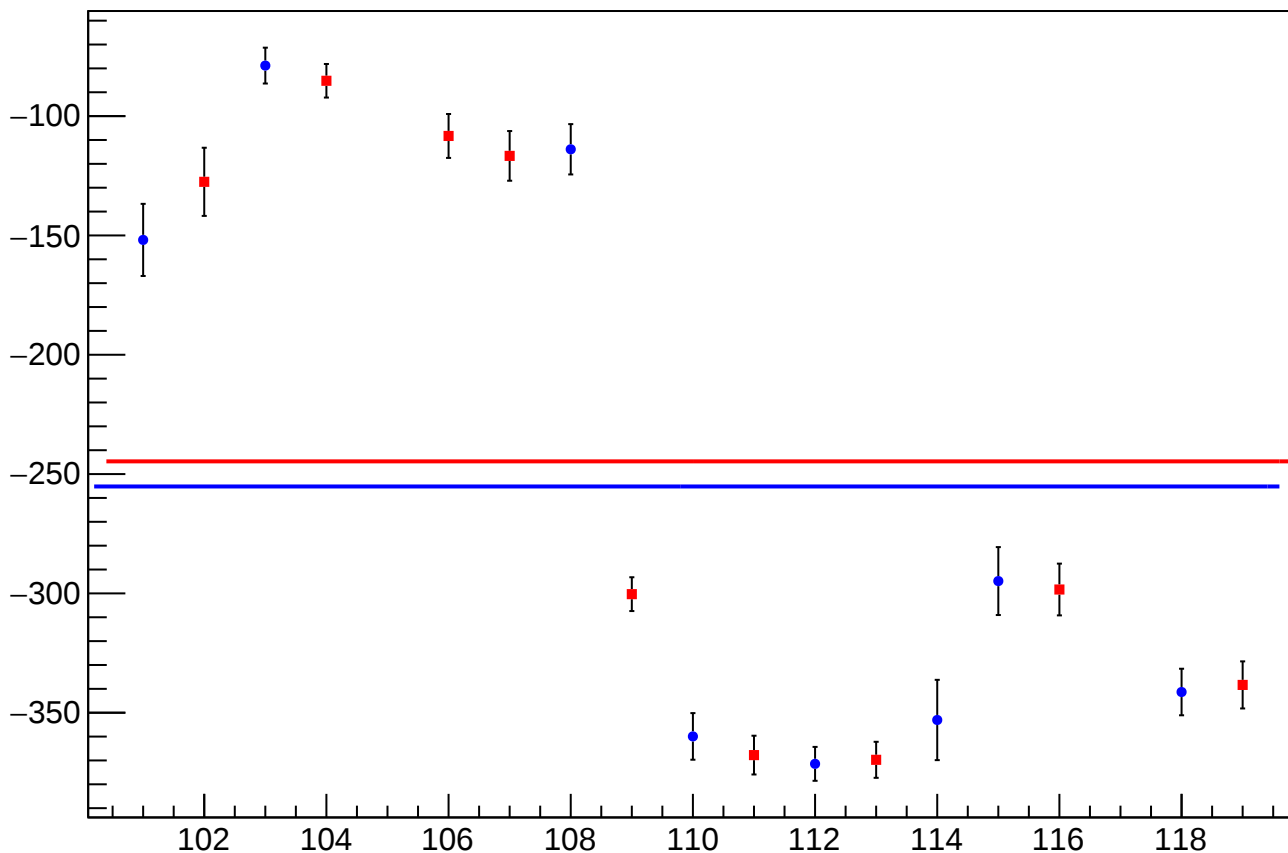
Right: 84.618 $\pm$ 0.065  $\chi^2$ /NDF: 529020.0/16

In: 104.822 $\pm$ 0.106  $\chi^2$ /NDF: 186956.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 84.618 $\pm$ 0.065  $\chi^2$ /NDF: 529020.0/16

reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-255.194 \pm 3.527$   $\chi^2/\text{NDF}$ : 1280.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-244.673 \pm 2.917$   $\chi^2/\text{NDF}$ : 1632.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

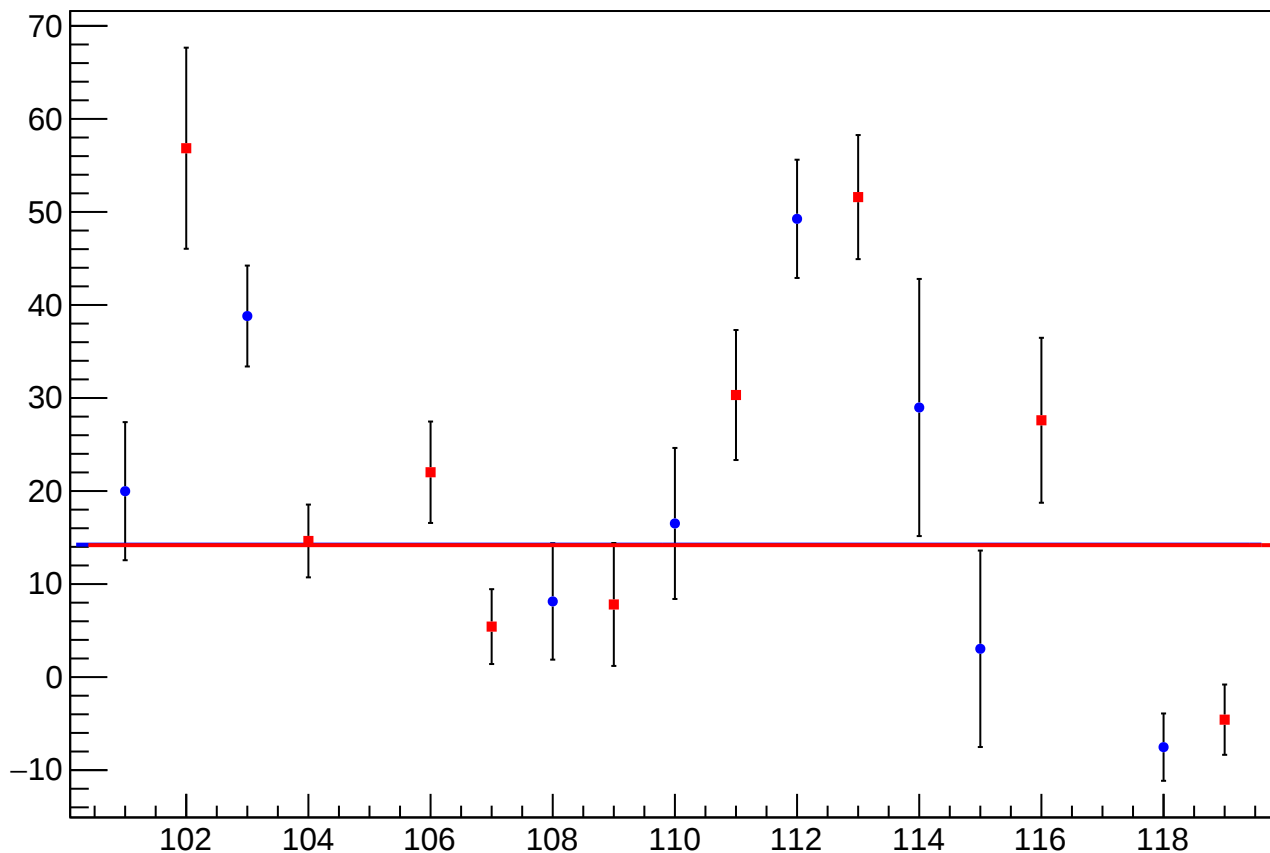
Right:  $-248.946 \pm 2.248$   $\chi^2/\text{NDF}$ : 2918.0/16

In:  $-255.194 \pm 3.527$   $\chi^2/\text{NDF}$ : 1280.2/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-248.946 \pm 2.248$   $\chi^2/\text{NDF}$ : 2918.0/16

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.237+/-2.192  $\chi^2/\text{NDF}$ : 91.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.182+/-1.773  $\chi^2/\text{NDF}$ : 87.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

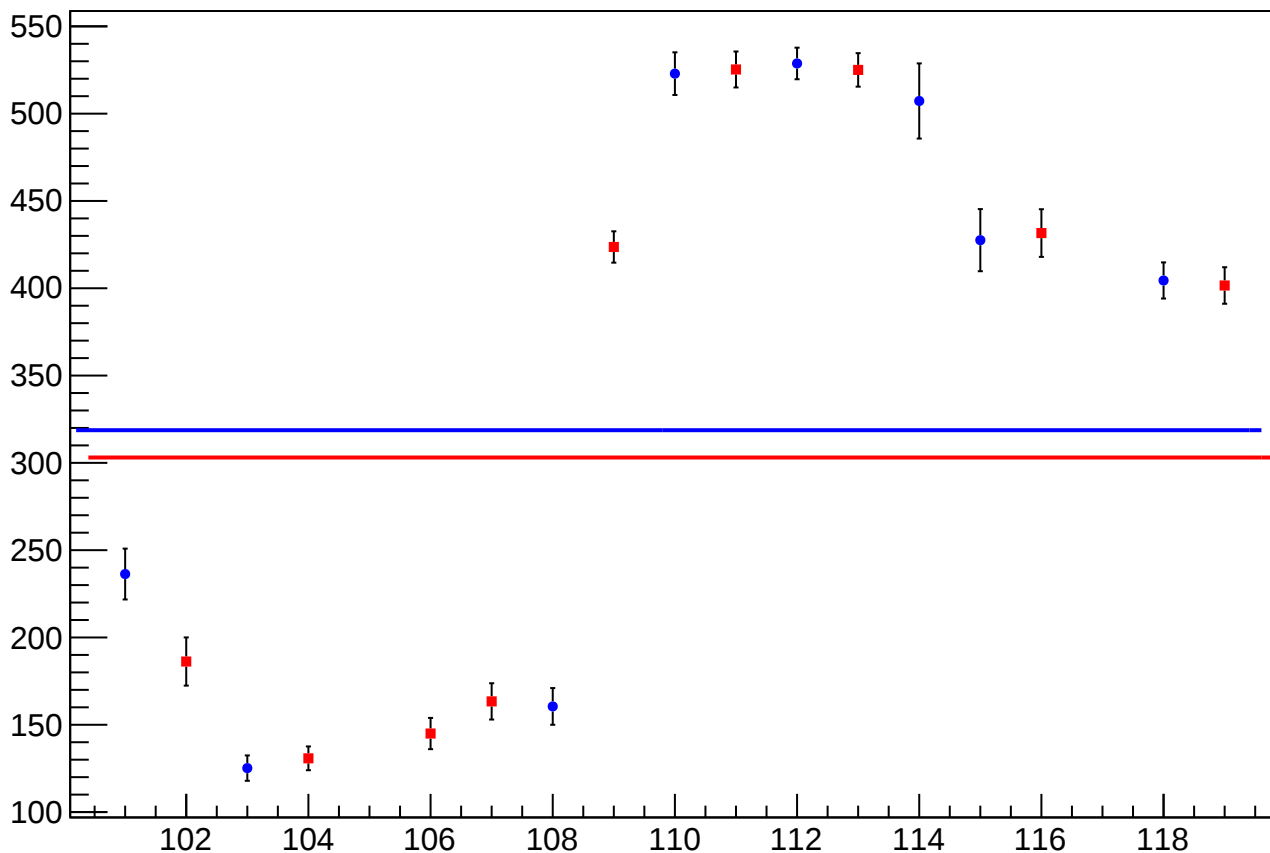
Right: 14.204+/-1.379  $\chi^2/\text{NDF}$ : 178.1/16

In: 14.237+/-2.192  $\chi^2/\text{NDF}$ : 91.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.204+/-1.379  $\chi^2/\text{NDF}$ : 178.1/16

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 318.708+/-3.884  $\chi^2/\text{NDF}$ : 1969.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 303.071+/-3.231  $\chi^2/\text{NDF}$ : 2563.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

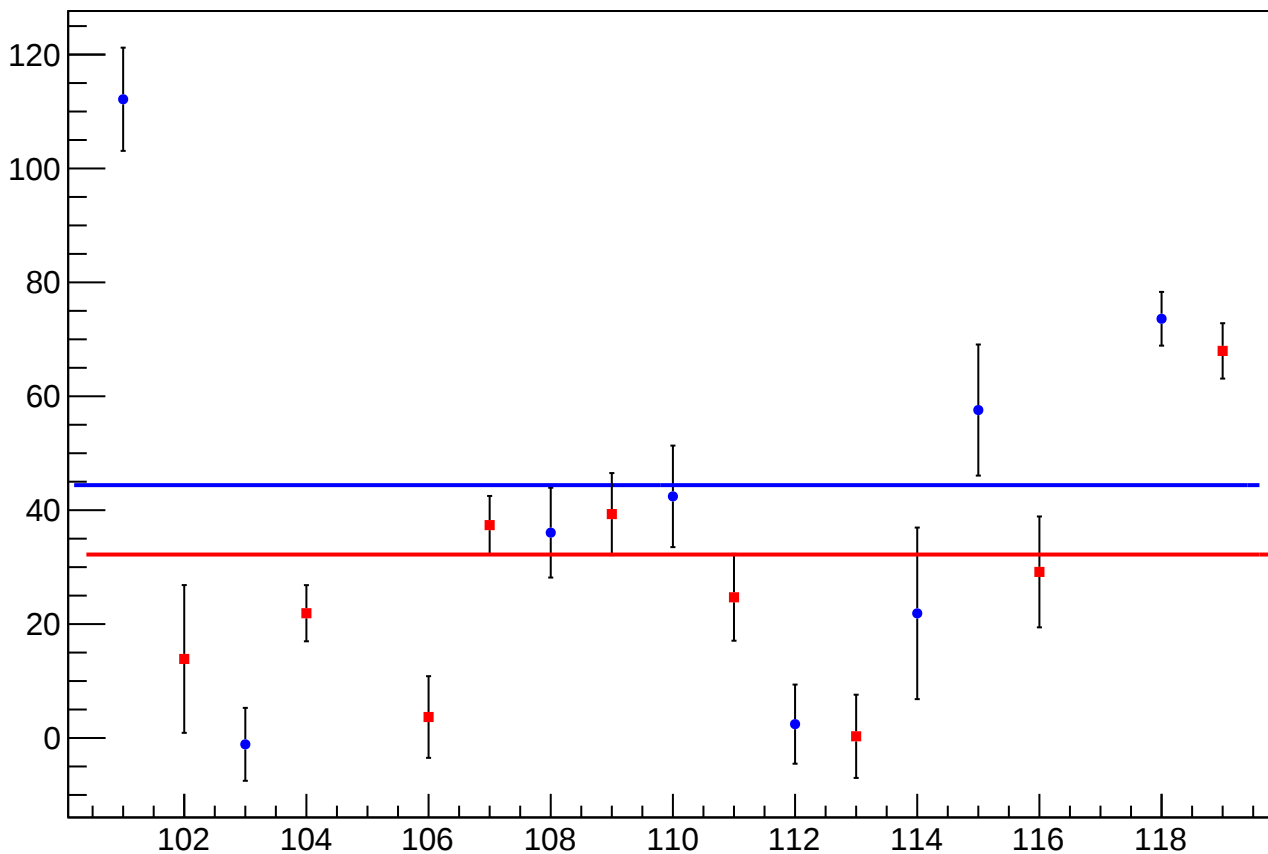
Right: 309.467+/-2.484  $\chi^2/\text{NDF}$ : 4542.7/16

In: 318.708+/-3.884  $\chi^2/\text{NDF}$ : 1969.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 309.467+/-2.484  $\chi^2/\text{NDF}$ : 4542.7/16

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 44.398+/-2.646  $\chi^2/\text{NDF}$ : 186.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.212+/-2.168  $\chi^2/\text{NDF}$ : 98.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

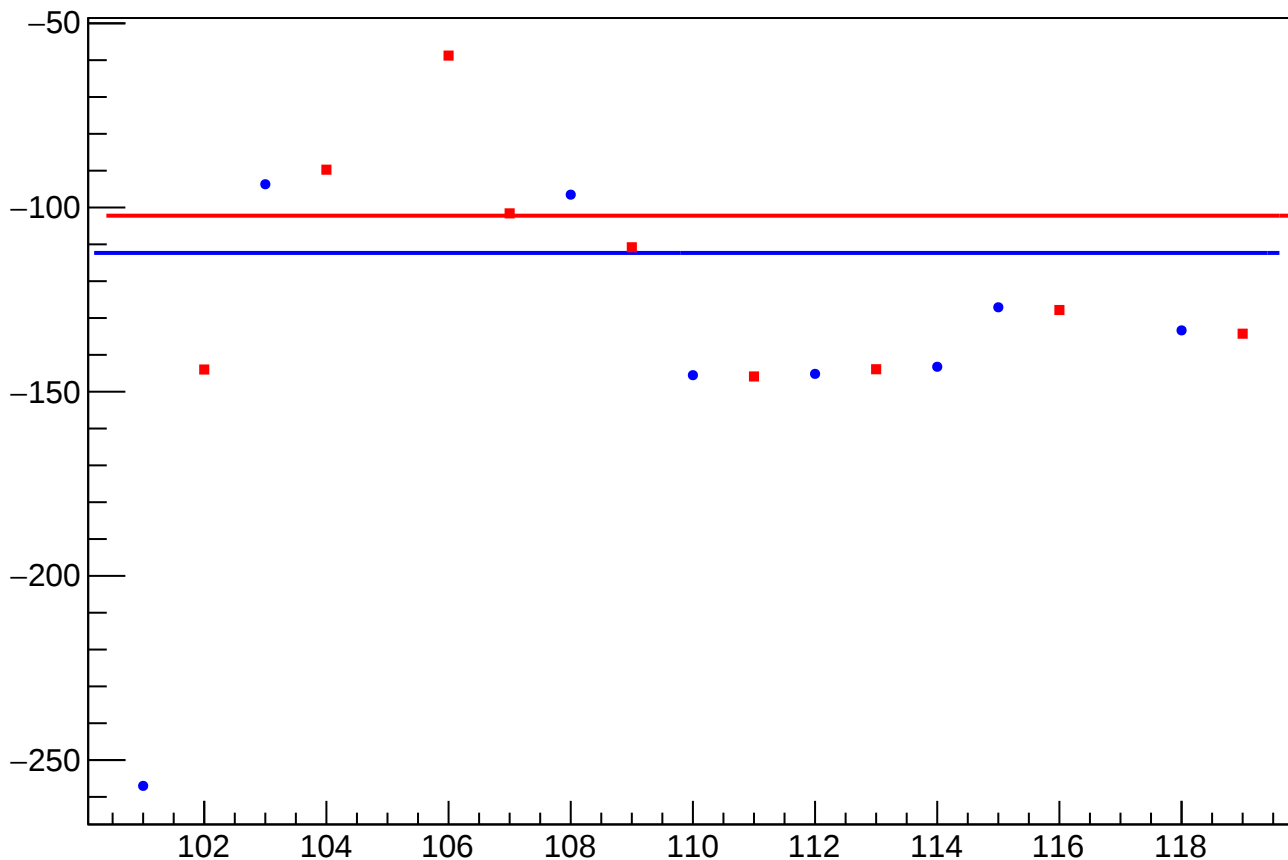
Right: 37.108+/-1.677  $\chi^2/\text{NDF}$ : 297.1/16

In: 44.398+/-2.646  $\chi^2/\text{NDF}$ : 186.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.108+/-1.677  $\chi^2/\text{NDF}$ : 297.1/16

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -112.331+/-0.115  $\chi^2/\text{NDF}$ : 106757.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -102.219+/-0.099  $\chi^2/\text{NDF}$ : 78061.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

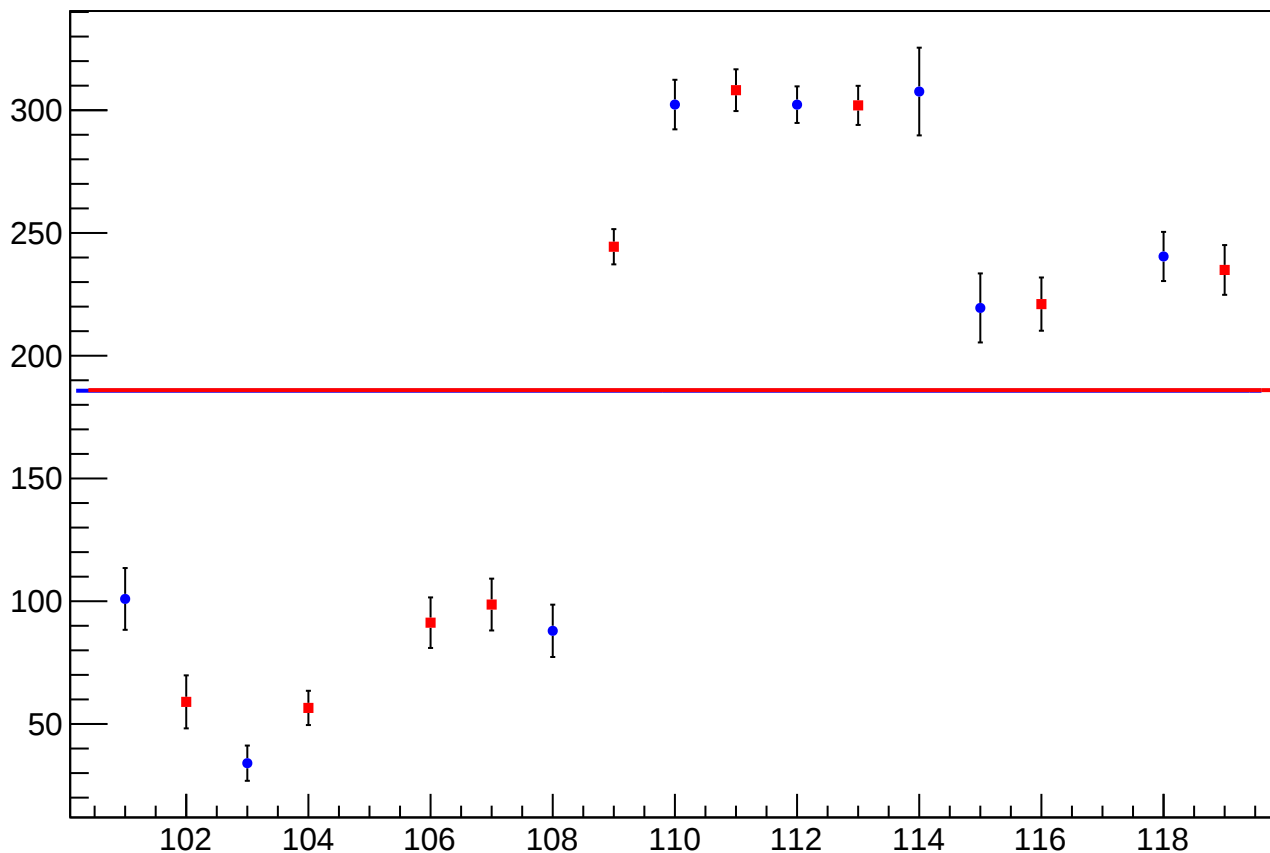
Right: -106.498+/-0.075  $\chi^2/\text{NDF}$ : 189261.8/16

In: -112.331+/-0.115  $\chi^2/\text{NDF}$ : 106757.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -106.498+/-0.075  $\chi^2/\text{NDF}$ : 189261.8/16

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 185.741+/-3.524  $\chi^2/\text{NDF}$ : 1036.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 185.985+/-2.952  $\chi^2/\text{NDF}$ : 1153.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

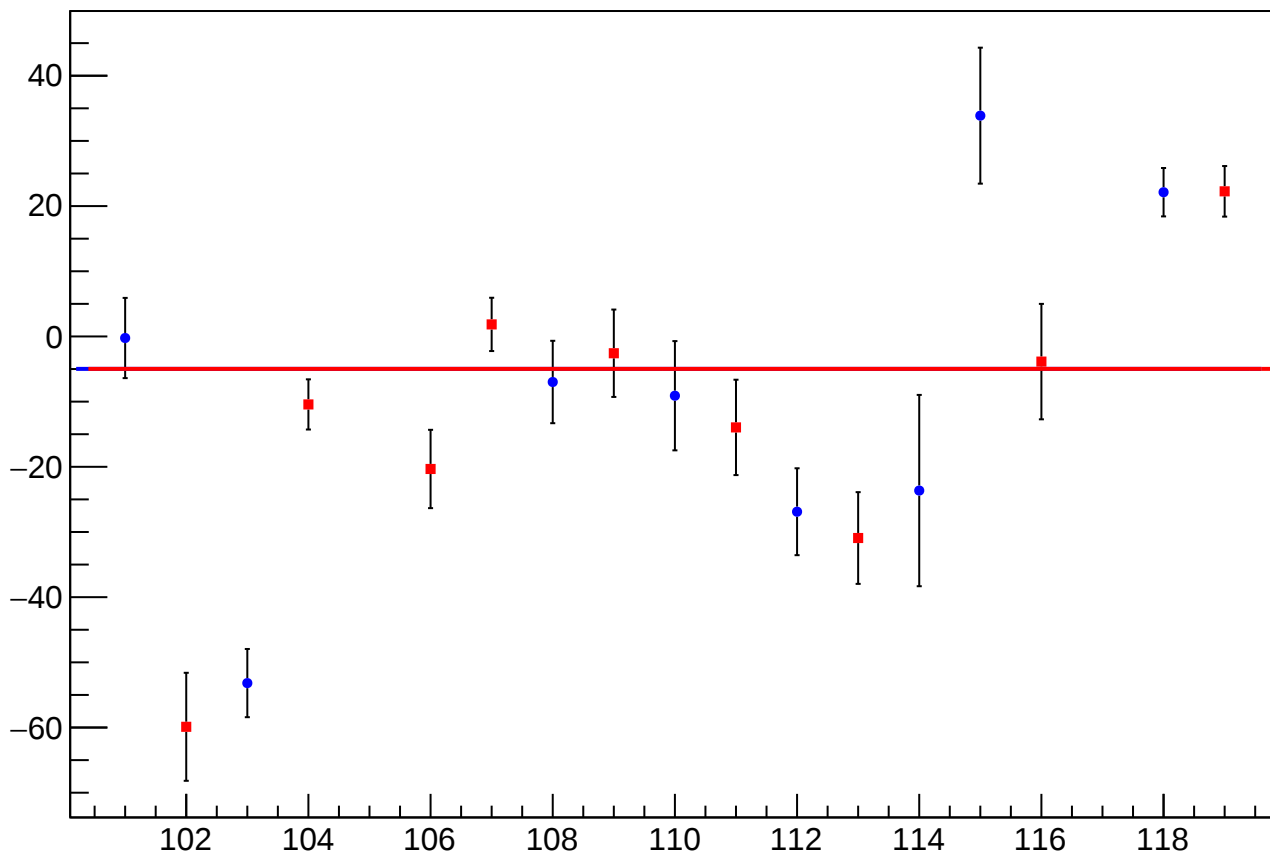
Right: 185.885+/-2.263  $\chi^2/\text{NDF}$ : 2190.3/16

In: 185.741+/-3.524  $\chi^2/\text{NDF}$ : 1036.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 185.885+/-2.263  $\chi^2/\text{NDF}$ : 2190.3/16

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.975+/-2.176  $\chi^2/\text{NDF}$ : 165.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -4.976+/-1.796  $\chi^2/\text{NDF}$ : 119.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

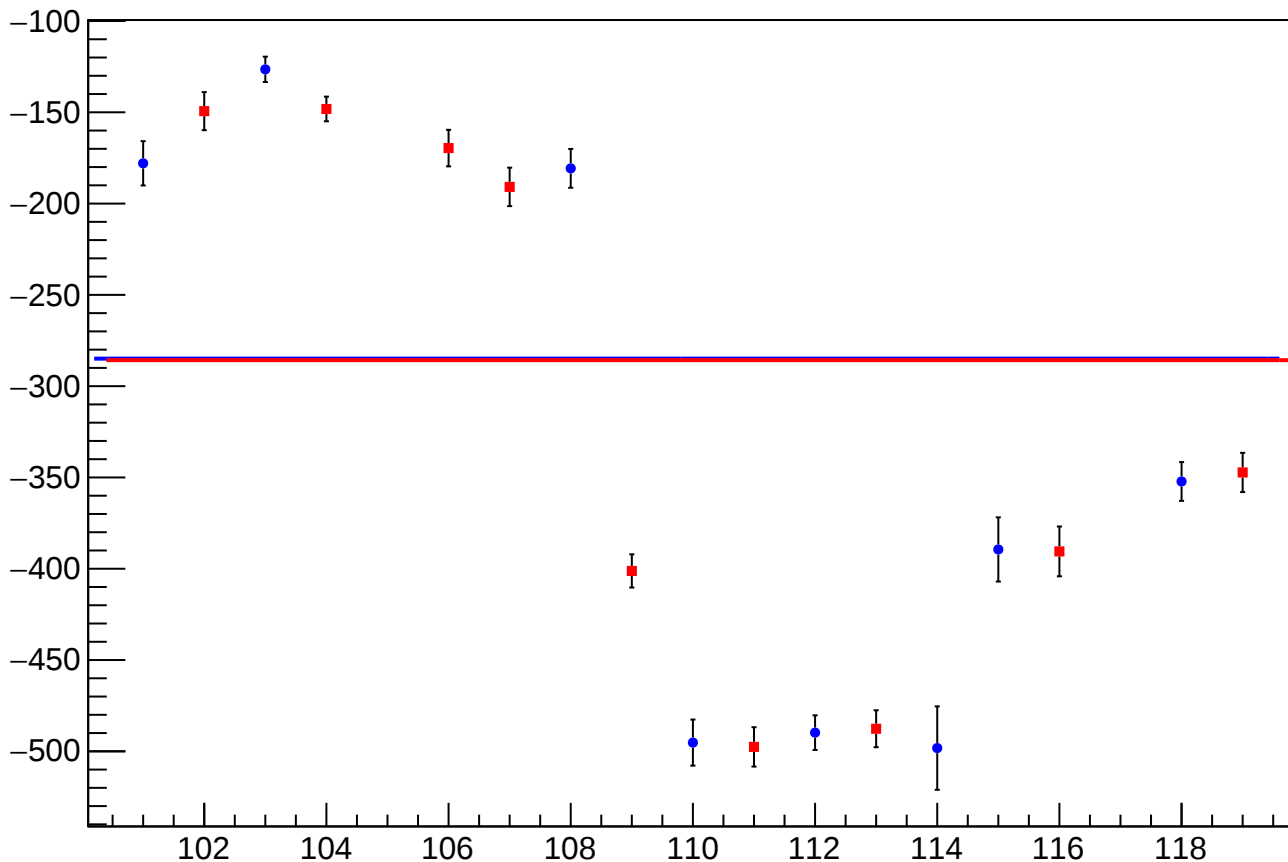
Right: -4.976+/-1.385  $\chi^2/\text{NDF}$ : 285.2/16

In: -4.975+/-2.176  $\chi^2/\text{NDF}$ :165.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -4.976+/-1.385  $\chi^2/\text{NDF}$ : 285.2/16

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -284.917+/-3.840  $\chi^2/\text{NDF}$ : 1601.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -285.773+/-3.252  $\chi^2/\text{NDF}$ : 1837.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

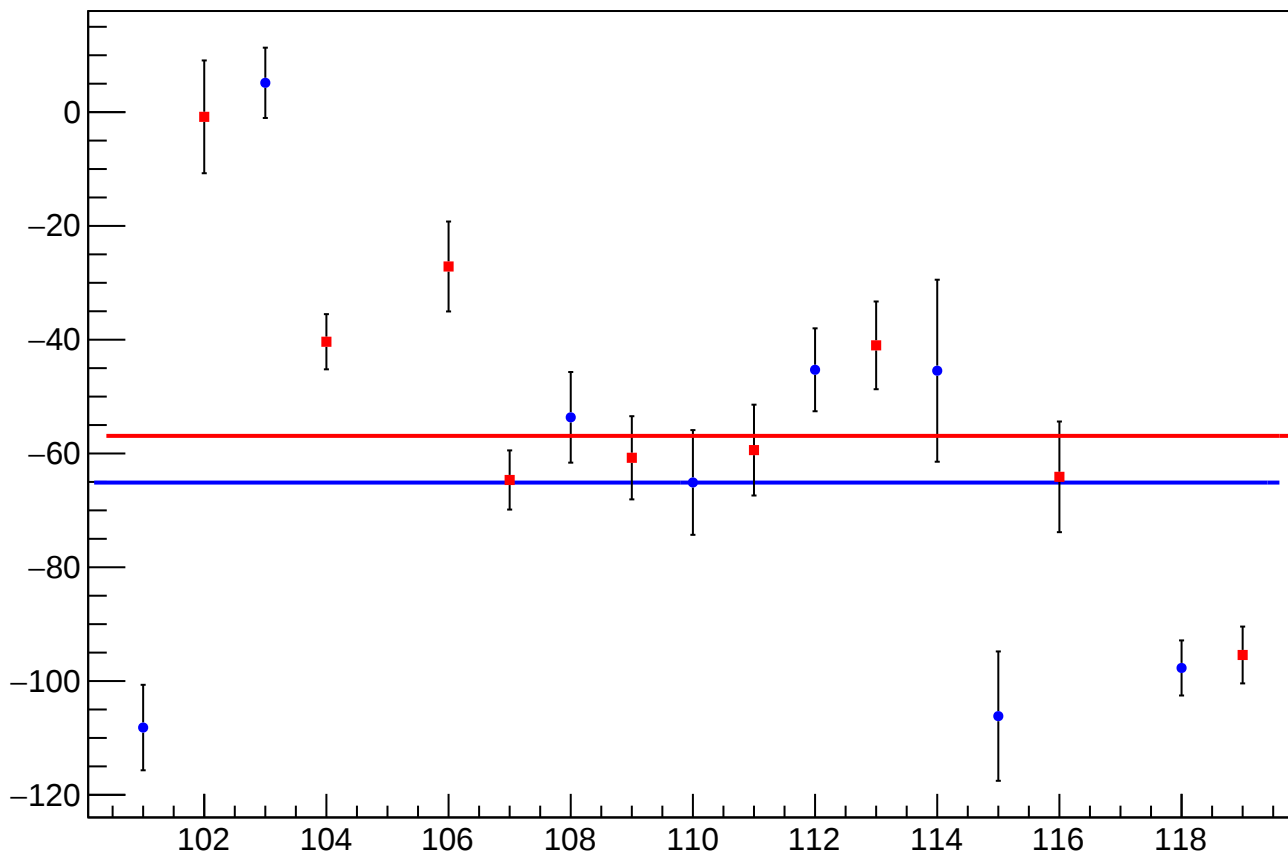
Right: -285.415+/-2.482  $\chi^2/\text{NDF}$ : 3439.1/16

In: -284.917+/-3.840  $\chi^2/\text{NDF}$ :1601.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -285.415+/-2.482  $\chi^2/\text{NDF}$ : 3439.1/16

reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -65.113+/-2.630  $\chi^2/\text{NDF}$ : 231.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -56.906+/-2.195  $\chi^2/\text{NDF}$ : 124.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

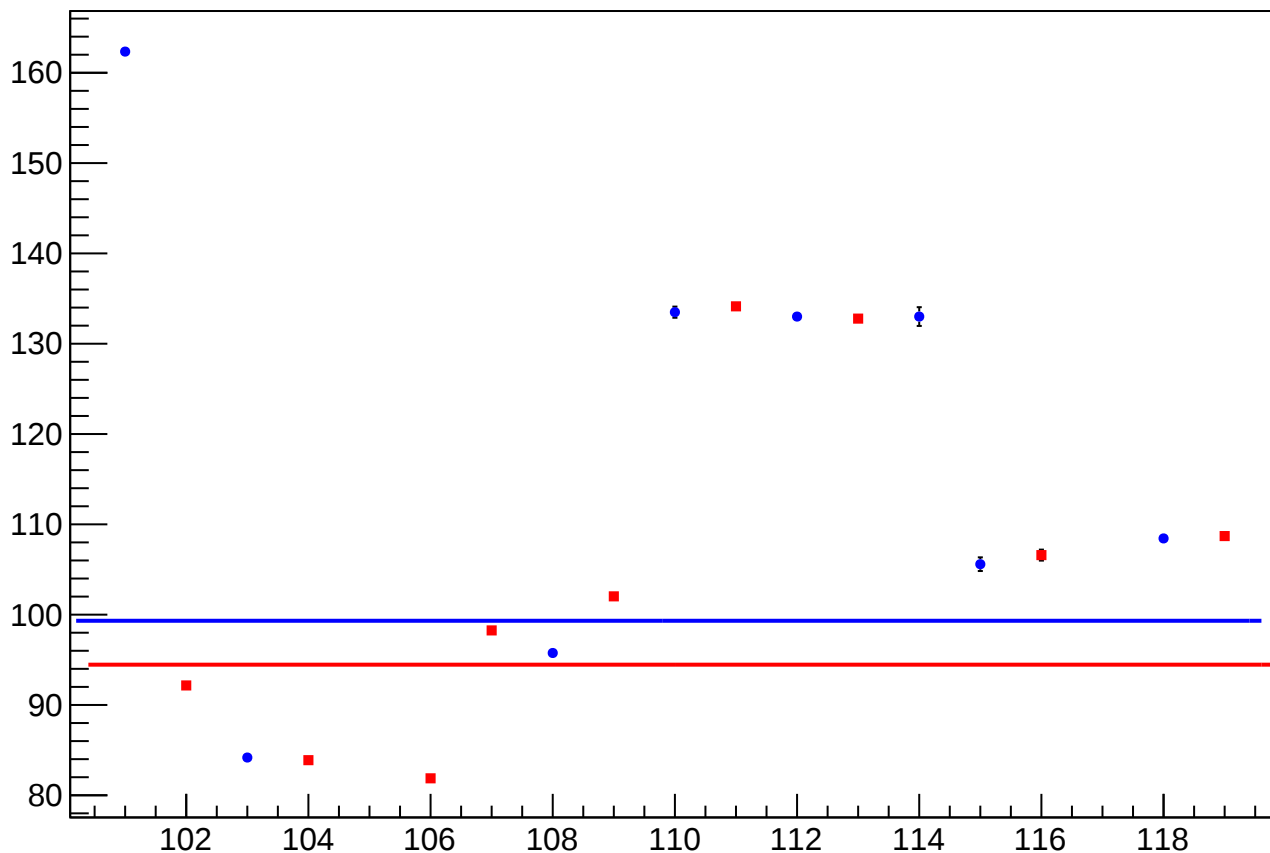
Right: -60.276+/-1.685  $\chi^2/\text{NDF}$ : 362.0/16

In: -65.113+/-2.630  $\chi^2/\text{NDF}$ : 231.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -60.276+/-1.685  $\chi^2/\text{NDF}$ : 362.0/16

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 99.323+/-0.112  $\chi^2/\text{NDF}$ : 41165.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 94.462+/-0.097  $\chi^2/\text{NDF}$ : 21297.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

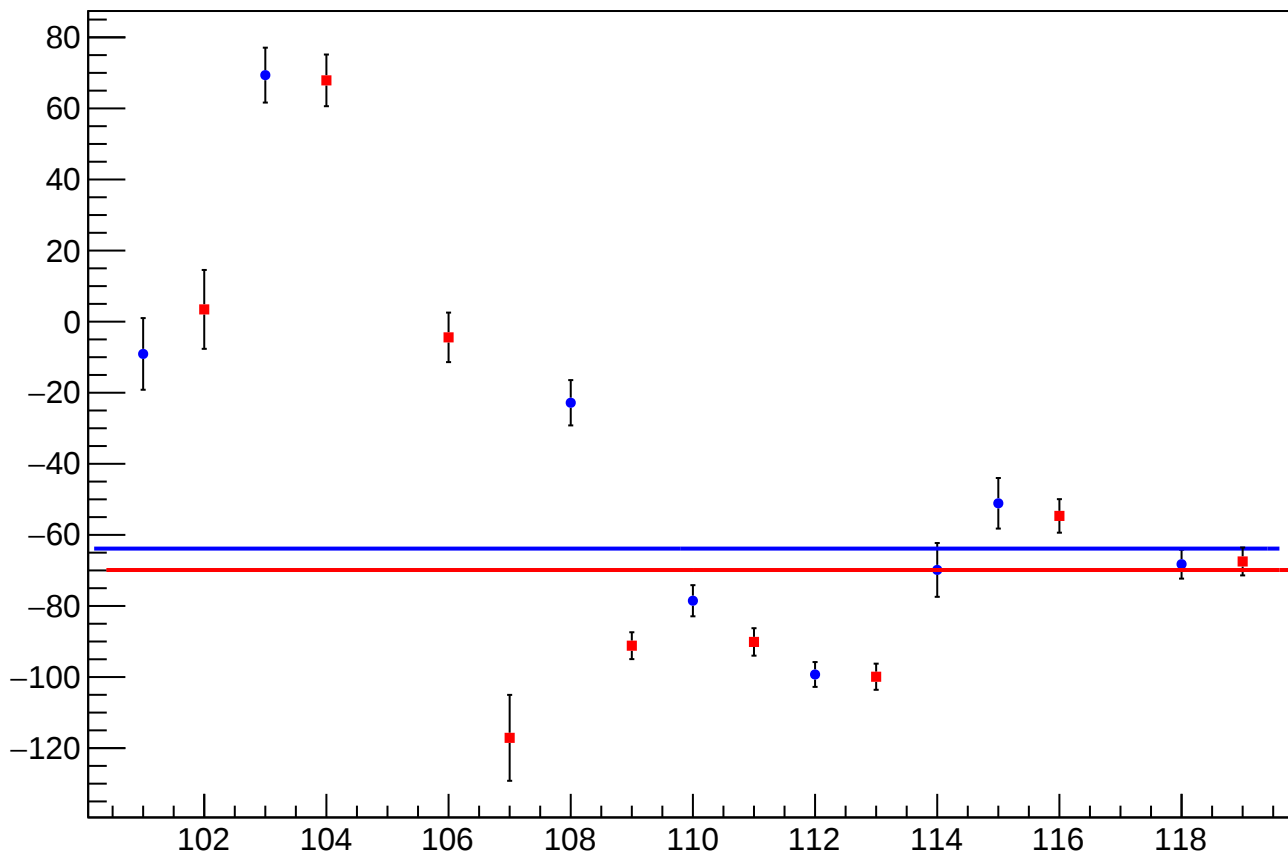
Right: 96.540+/-0.074  $\chi^2/\text{NDF}$ : 63533.6/16

In: 99.323+/-0.112  $\chi^2/\text{NDF}$ : 41165.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 96.540+/-0.074  $\chi^2/\text{NDF}$ : 63533.6/16

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -63.856 $\pm$ 1.880  $\chi^2$ /NDF: 487.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -69.882 $\pm$ 1.632  $\chi^2$ /NDF: 642.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

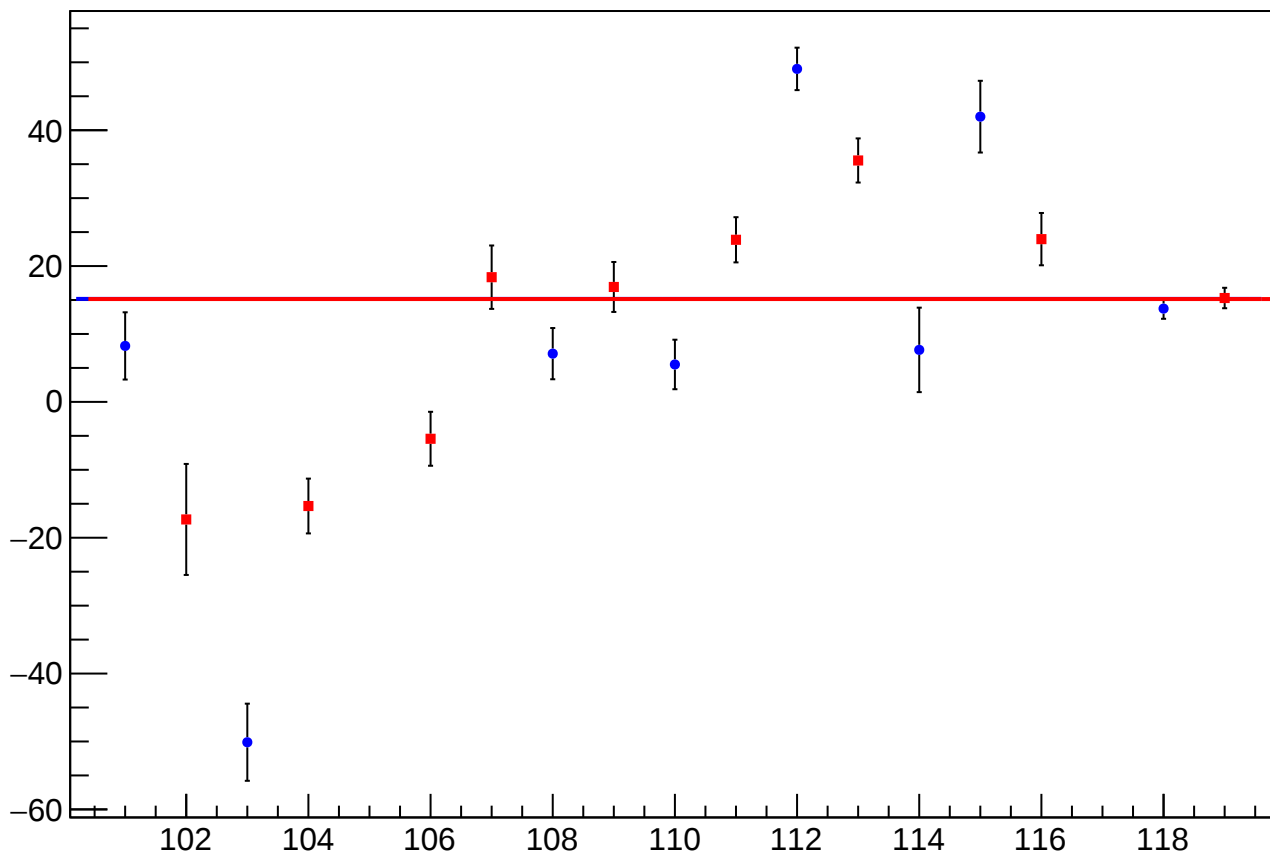
Right: -67.292 $\pm$ 1.233  $\chi^2$ /NDF: 1136.1/16

In: -63.856 $\pm$ 1.880  $\chi^2$ /NDF:487.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -67.292 $\pm$ 1.233  $\chi^2$ /NDF: 1136.1/16

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 15.165+/-1.100  $\chi^2/\text{NDF}$ : 291.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.142+/-1.024  $\chi^2/\text{NDF}$ : 151.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

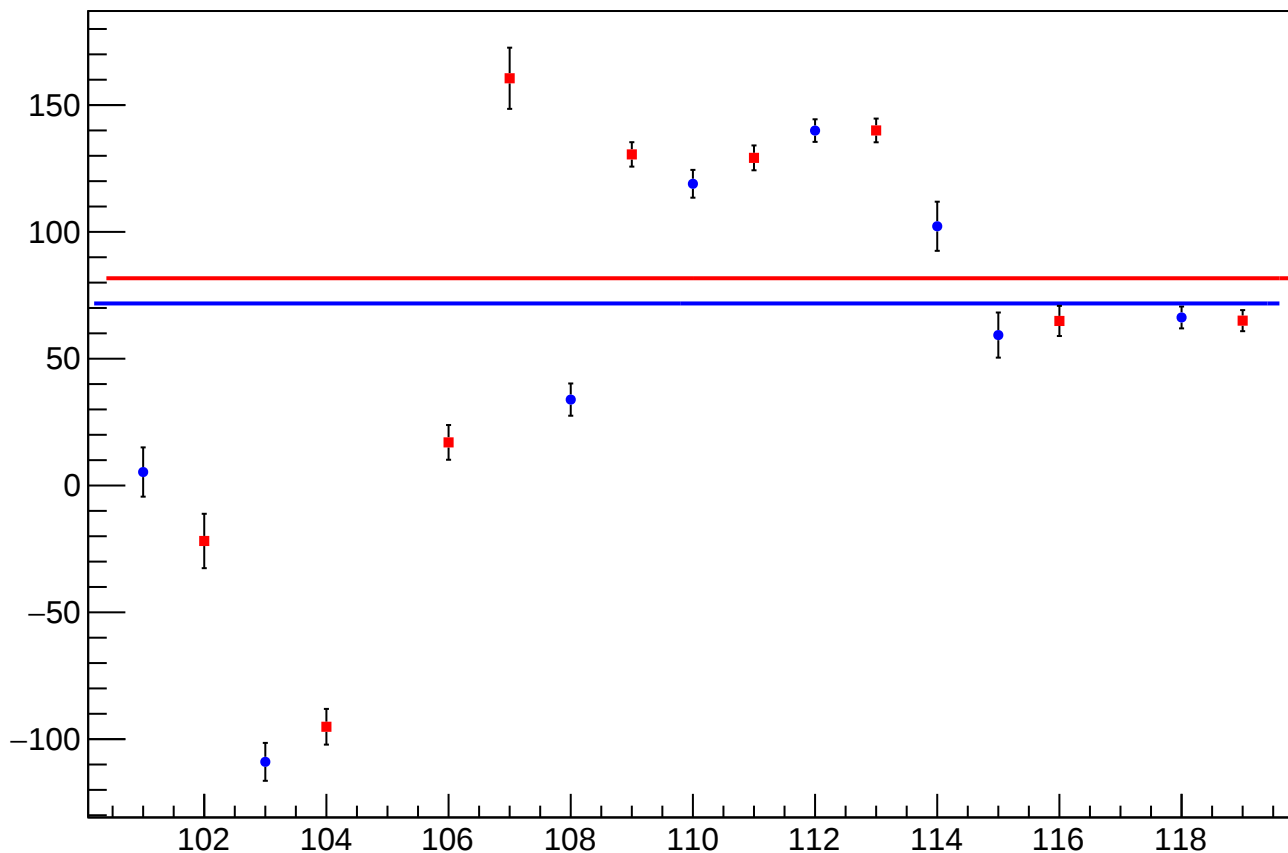
Right: 15.152+/-0.750  $\chi^2/\text{NDF}$ : 443.2/16

In: 15.165+/-1.100  $\chi^2/\text{NDF}$ : 291.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.152+/-0.750  $\chi^2/\text{NDF}$ : 443.2/16

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 71.784+/-2.161  $\chi^2/\text{NDF}$ : 989.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 81.720+/-1.911  $\chi^2/\text{NDF}$ : 1232.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

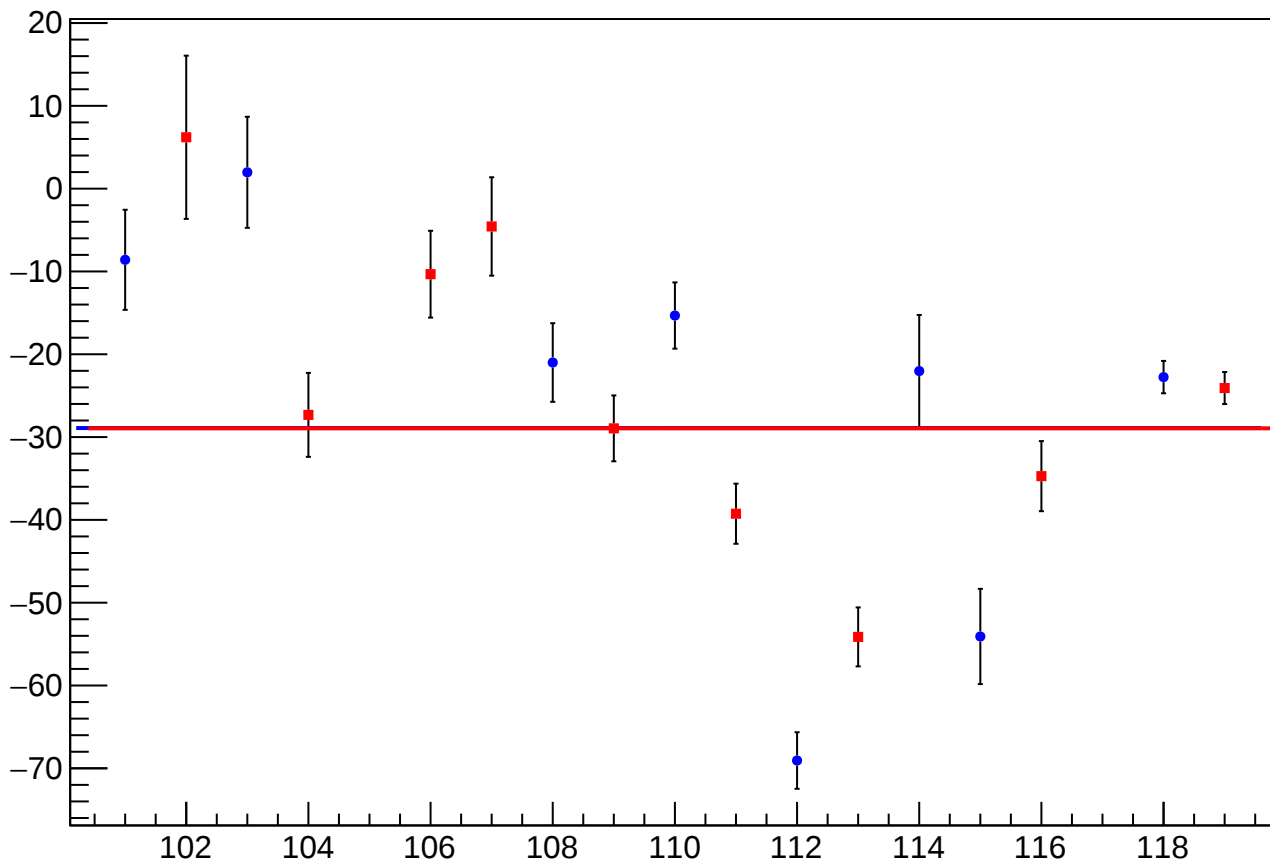
Right: 77.361+/-1.432  $\chi^2/\text{NDF}$ : 2234.4/16

In: 71.784+/-2.161  $\chi^2/\text{NDF}$ :989.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 77.361+/-1.432  $\chi^2/\text{NDF}$ : 2234.4/16

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -28.910+/-1.341  $\chi^2/\text{NDF}$ : 215.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -28.943+/-1.235  $\chi^2/\text{NDF}$ : 108.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

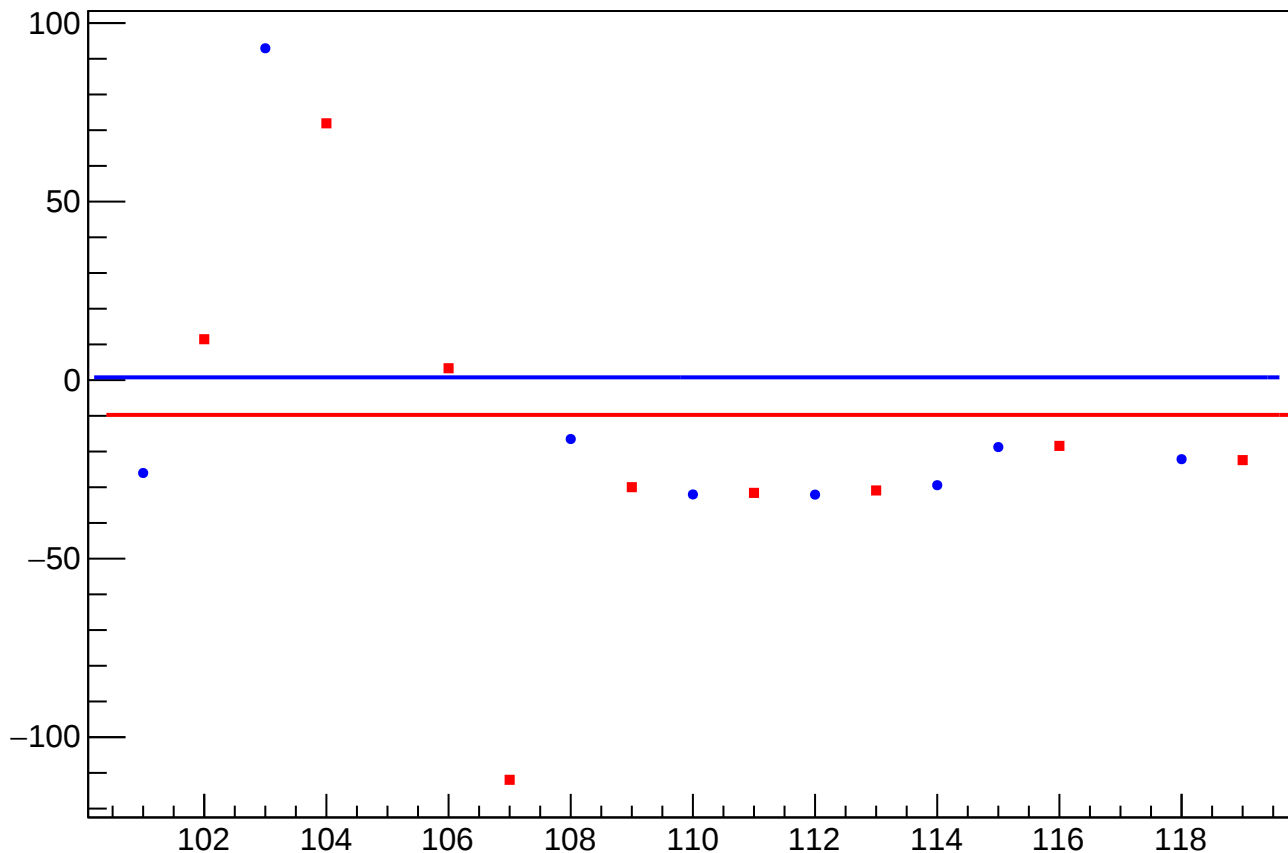
Right: -28.928+/-0.909  $\chi^2/\text{NDF}$ : 323.7/16

In: -28.910+/-1.341  $\chi^2/\text{NDF}$ : 215.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -28.928+/-0.909  $\chi^2/\text{NDF}$ : 323.7/16

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.779+/-0.076  $\chi^2/\text{NDF}$ : 387046.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.737+/-0.070  $\chi^2/\text{NDF}$ : 393050.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

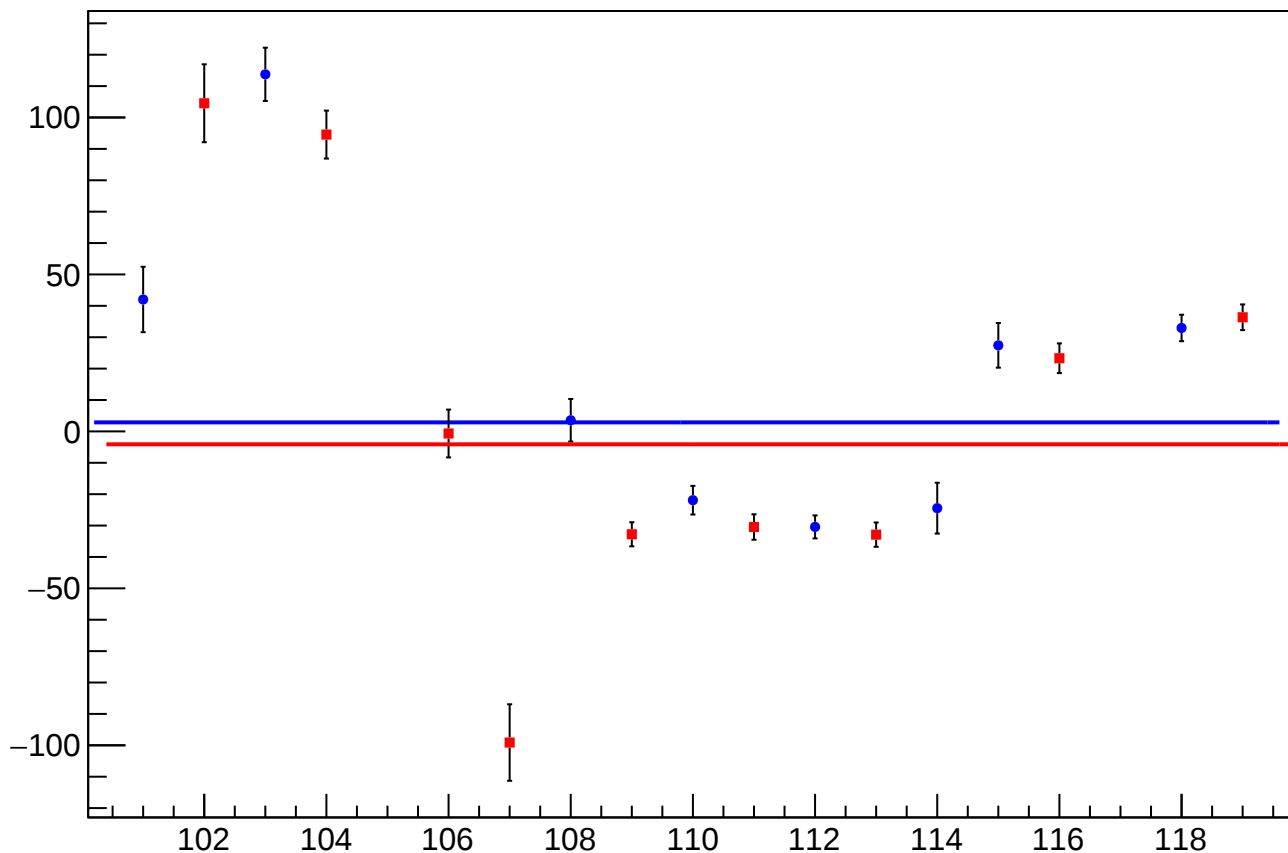
Right: -4.948+/-0.051  $\chi^2/\text{NDF}$ : 790503.9/16

In: 0.779+/-0.076  $\chi^2/\text{NDF}$ : 387046.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.948+/-0.051  $\chi^2/\text{NDF}$ : 790503.9/16

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.873+/-1.966  $\chi^2/\text{NDF}$ : 371.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.121+/-1.697  $\chi^2/\text{NDF}$ : 588.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

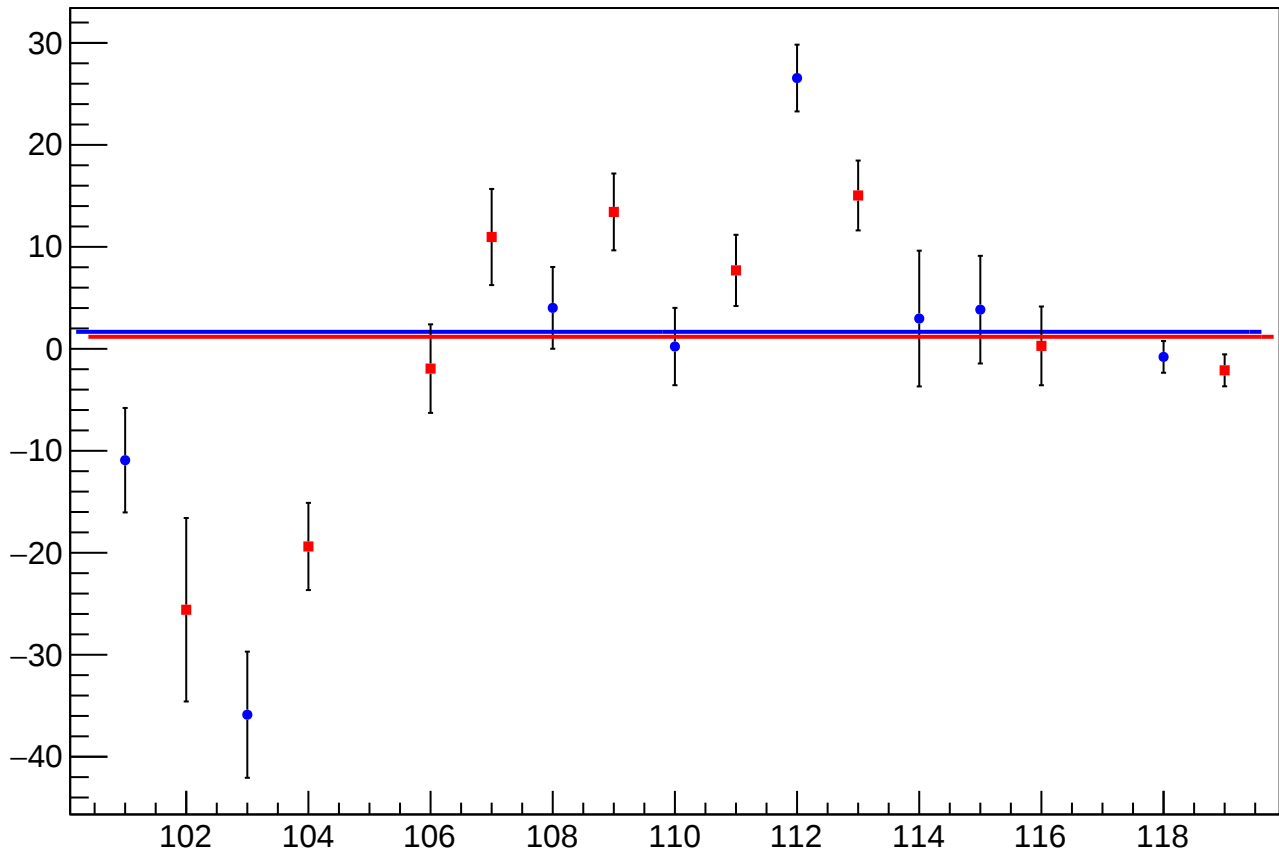
Right: -1.135+/-1.285  $\chi^2/\text{NDF}$ : 967.1/16

In: 2.873+/-1.966  $\chi^2/\text{NDF}$ : 371.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.135+/-1.285  $\chi^2/\text{NDF}$ : 967.1/16

reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.668+/-1.146  $\chi^2/\text{NDF}$ : 103.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.182+/-1.068  $\chi^2/\text{NDF}$ : 71.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

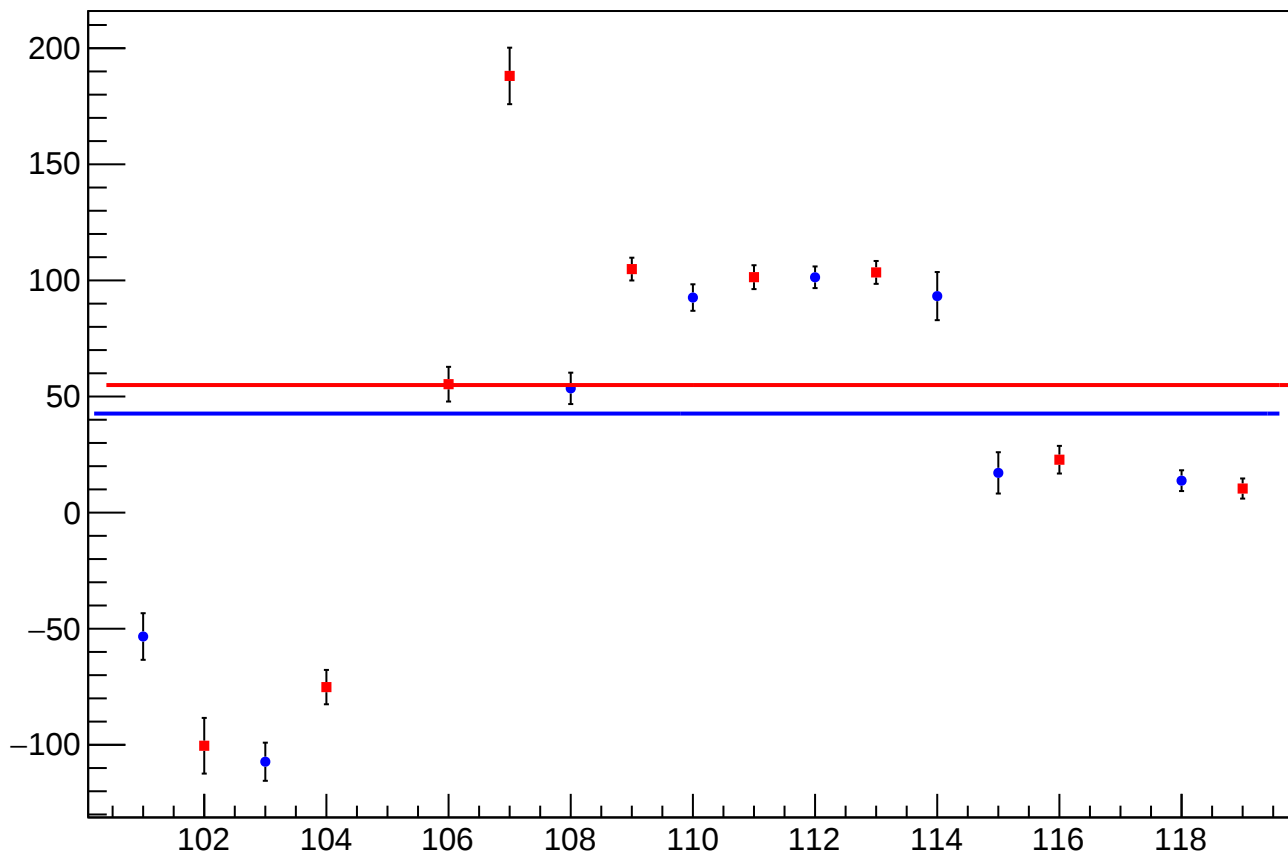
Right: 1.408+/-0.781  $\chi^2/\text{NDF}$ : 175.7/16

In: 1.668+/-1.146  $\chi^2/\text{NDF}$ : 103.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.408+/-0.781  $\chi^2/\text{NDF}$ : 175.7/16

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 42.657+/-2.263  $\chi^2/\text{NDF}$ : 736.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 54.941+/-1.992  $\chi^2/\text{NDF}$ : 1014.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

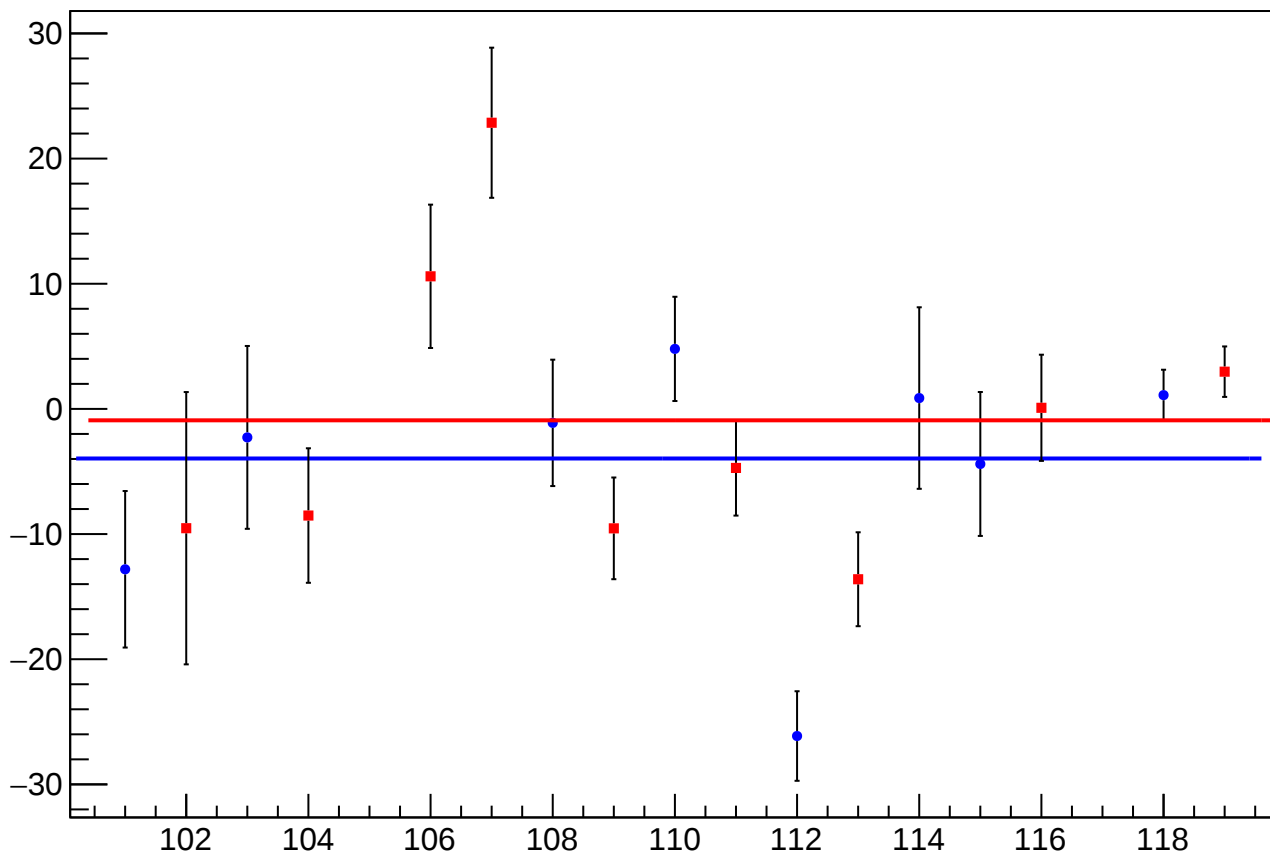
Right: 49.578+/-1.495  $\chi^2/\text{NDF}$ : 1767.1/16

In: 42.657+/-2.263  $\chi^2/\text{NDF}$ : 736.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 49.578+/-1.495  $\chi^2/\text{NDF}$ : 1767.1/16

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -3.962+/-1.398  $\chi^2/\text{NDF}$ : 51.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.912+/-1.287  $\chi^2/\text{NDF}$ : 43.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

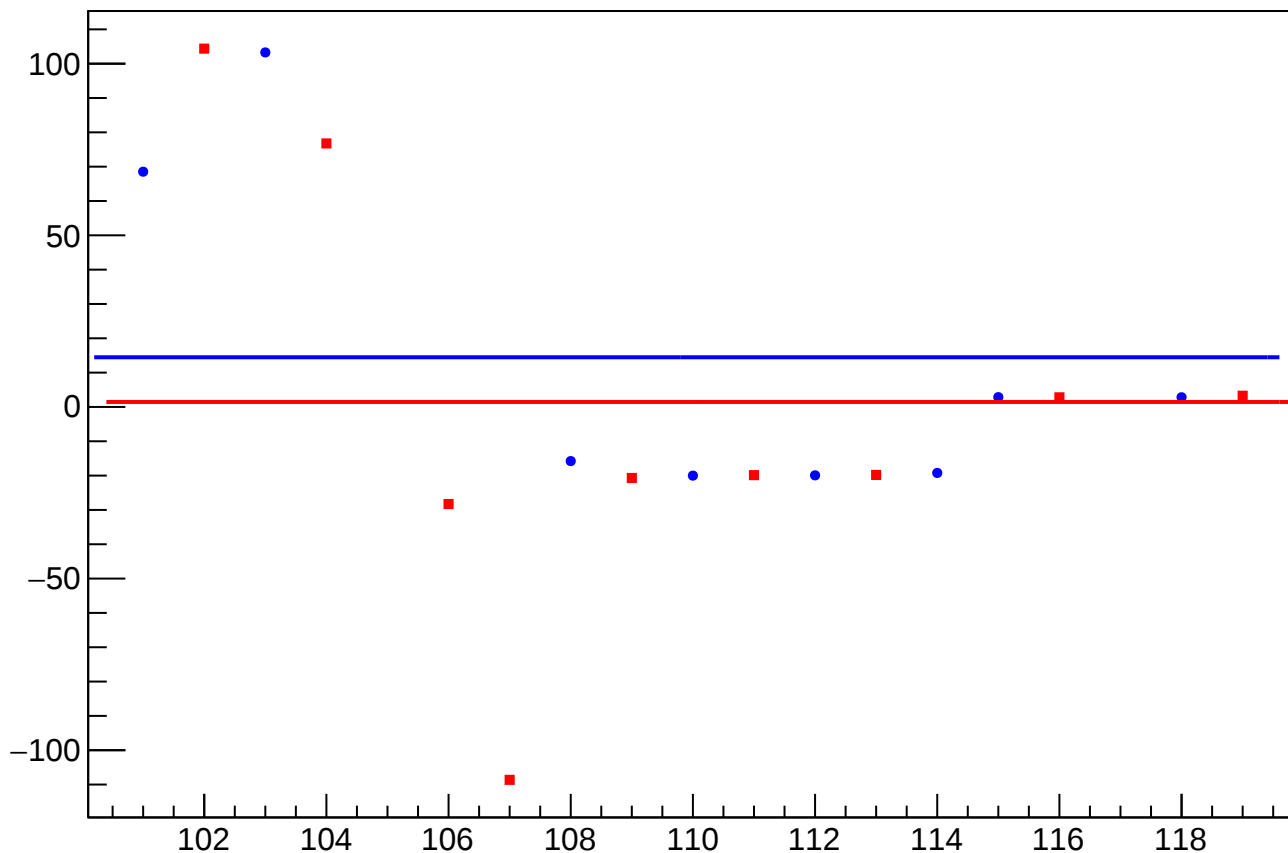
Right: -2.312+/-0.947  $\chi^2/\text{NDF}$ : 97.6/16

In: -3.962+/-1.398  $\chi^2/\text{NDF}$ :51.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -2.312+/-0.947  $\chi^2/\text{NDF}$ : 97.6/16

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 14.473+/-0.080  $\chi^2/\text{NDF}$ : 344581.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.455+/-0.073  $\chi^2/\text{NDF}$ : 503456.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

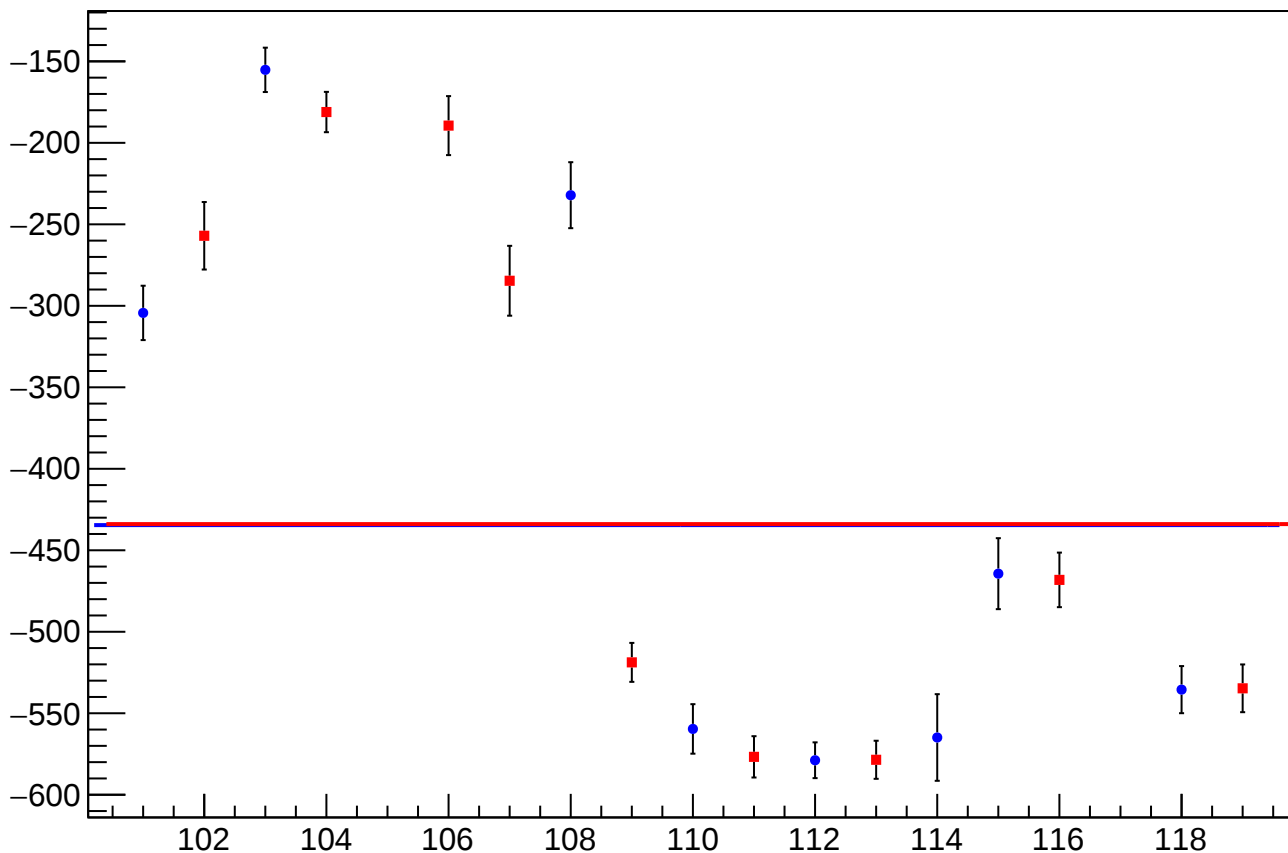
Right: 7.353+/-0.054  $\chi^2/\text{NDF}$ : 862344.4/16

In: 14.473+/-0.080  $\chi^2/\text{NDF}$ : 344581.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.353+/-0.054  $\chi^2/\text{NDF}$ : 862344.4/16

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -434.555+/-5.557  $\chi^2$ /NDF: 897.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -433.935+/-4.829  $\chi^2$ /NDF: 1103.5/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

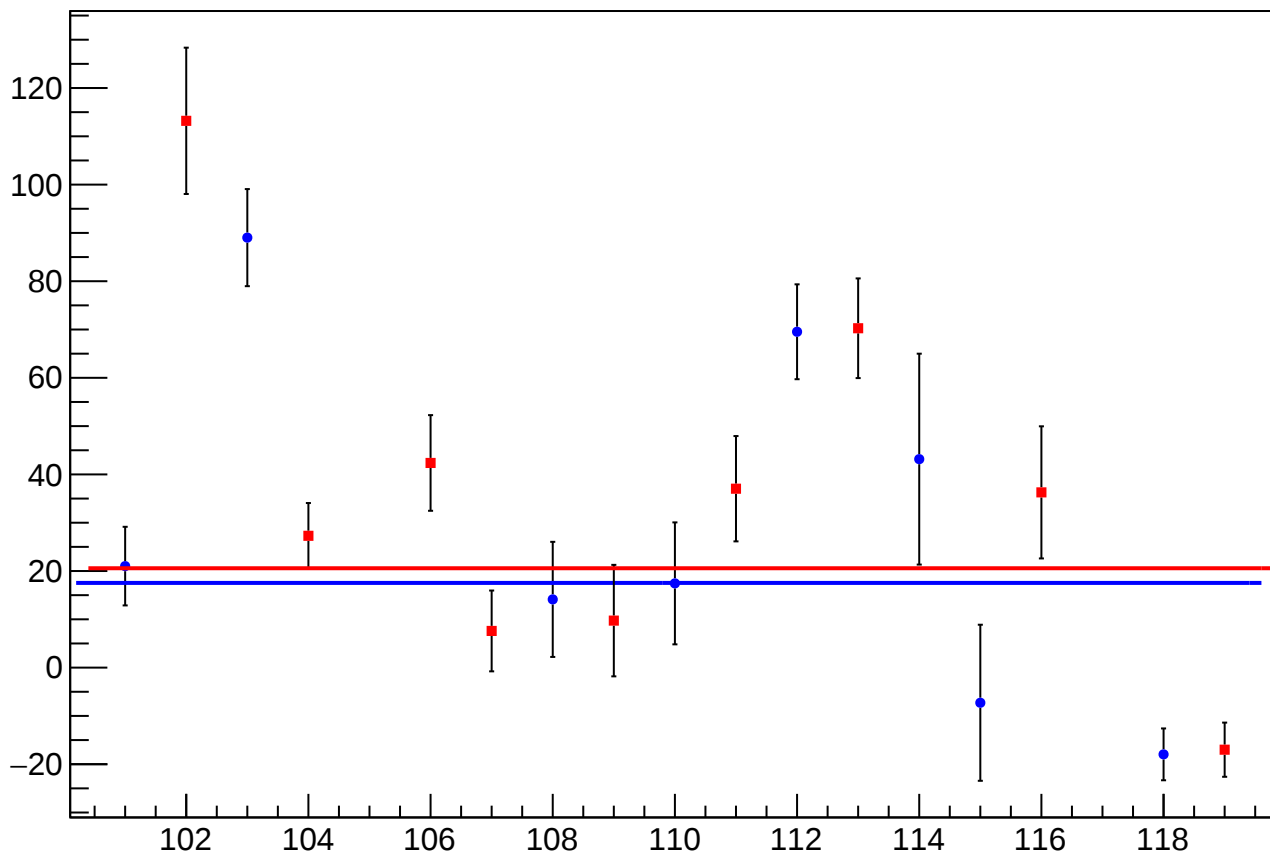
Right: -434.202+/-3.645  $\chi^2$ /NDF: 2001.1/16

In: -434.555+/-5.557  $\chi^2$ /NDF:897.5/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -434.202+/-3.645  $\chi^2$ /NDF: 2001.1/16

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.537+/-3.345  $\chi^2/\text{NDF}$ : 126.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.573+/-2.975  $\chi^2/\text{NDF}$ : 118.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

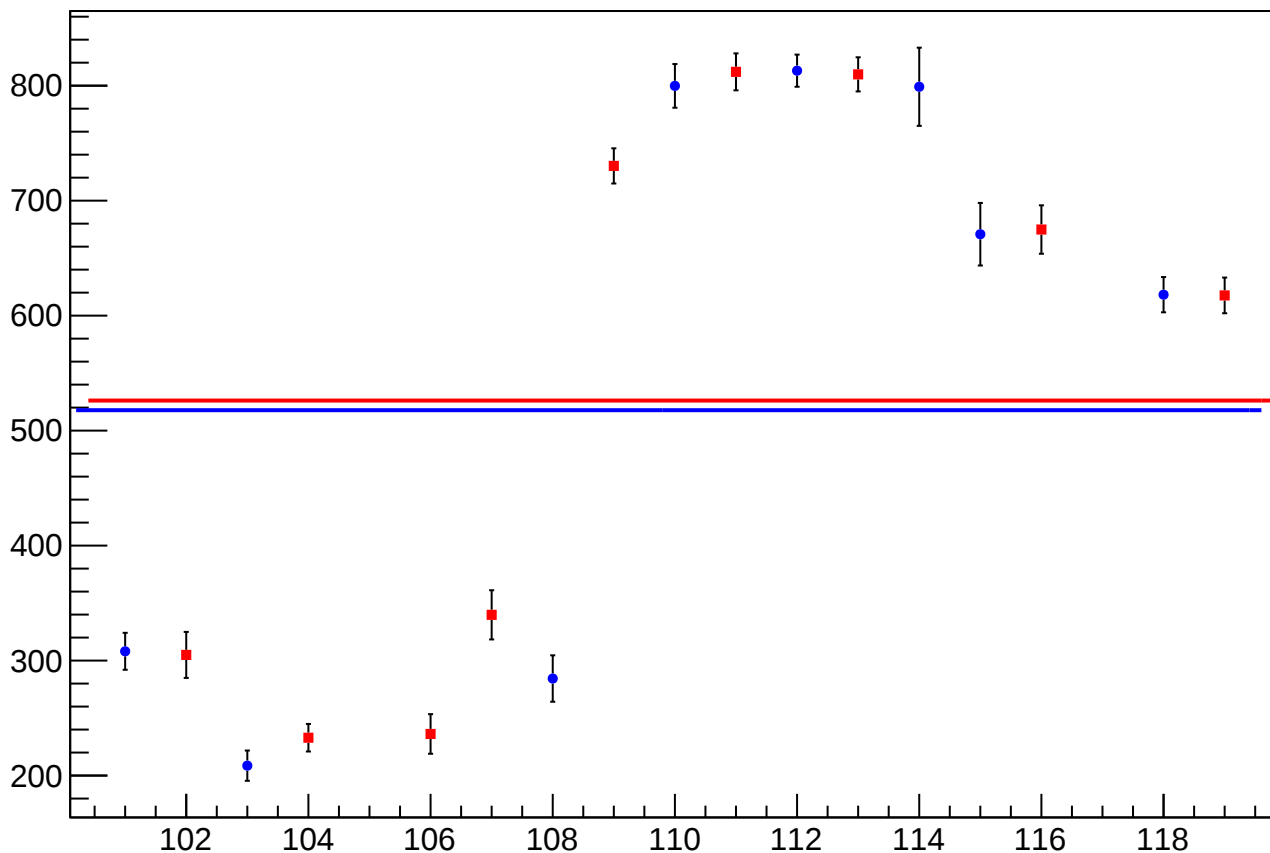
Right: 19.233+/-2.223  $\chi^2/\text{NDF}$ : 245.0/16

In: 17.537+/-3.345  $\chi^2/\text{NDF}$ : 126.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.233+/-2.223  $\chi^2/\text{NDF}$ : 245.0/16

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 517.758+/-6.148  $\chi^2/\text{NDF}$ : 1665.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 526.159+/-5.415  $\chi^2/\text{NDF}$ : 2024.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

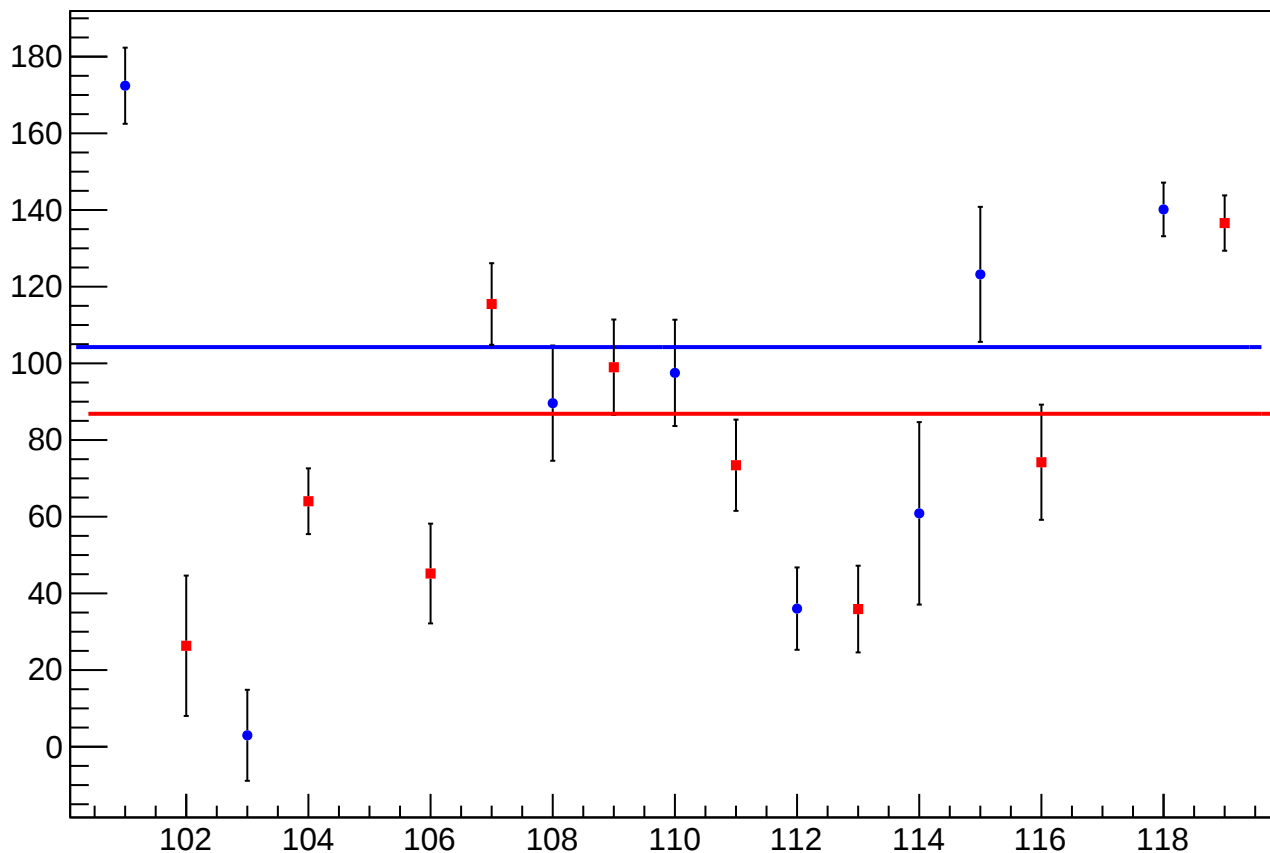
Right: 522.489+/-4.064  $\chi^2/\text{NDF}$ : 3691.1/16

In: 517.758+/-6.148  $\chi^2/\text{NDF}$ : 1665.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 522.489+/-4.064  $\chi^2/\text{NDF}$ : 3691.1/16

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 104.241 $\pm$ 4.050  $\chi^2$ /NDF: 192.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 86.845 $\pm$ 3.620  $\chi^2$ /NDF: 106.2/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

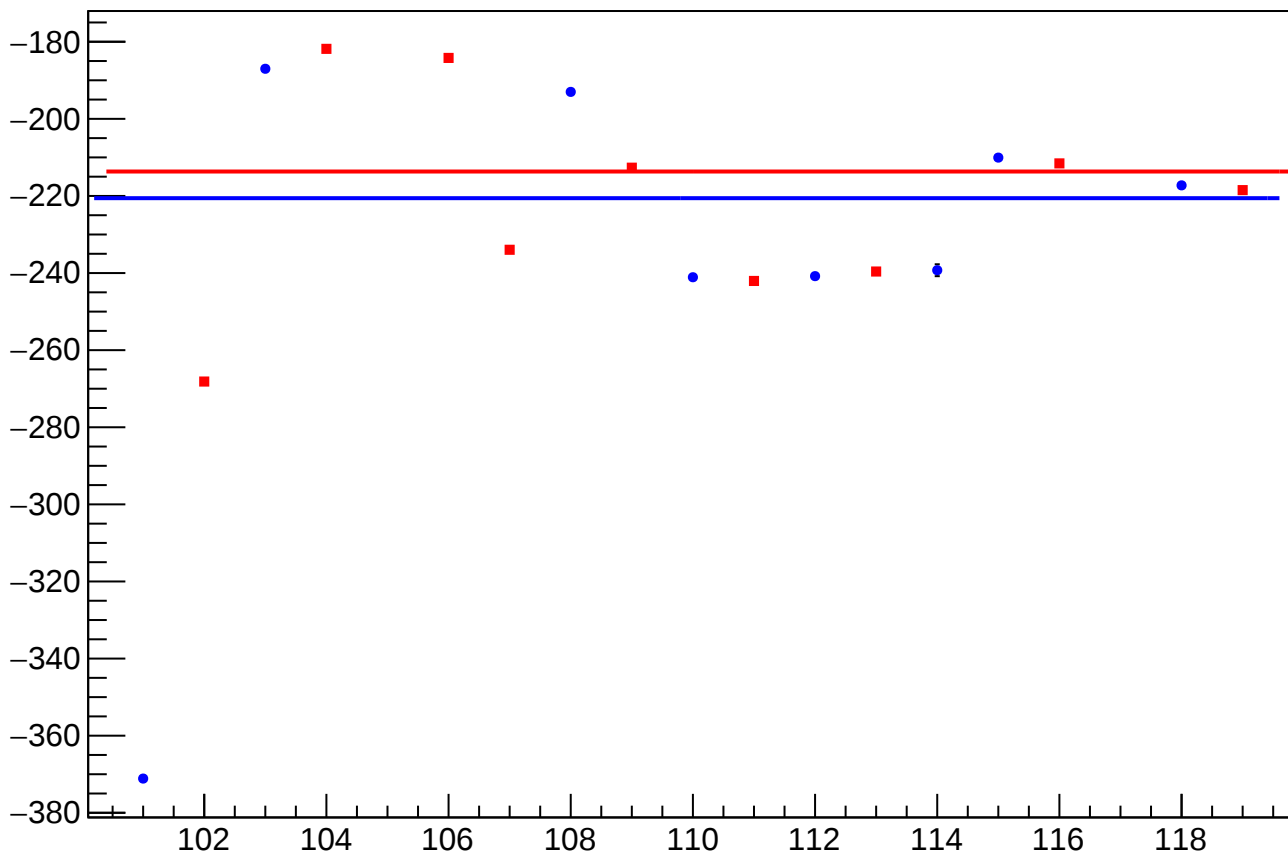
Right: 94.572 $\pm$ 2.699  $\chi^2$ /NDF: 308.8/16

In: 104.241 $\pm$ 4.050  $\chi^2$ /NDF: 192.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 94.572 $\pm$ 2.699  $\chi^2$ /NDF: 308.8/16

reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -220.576+/-0.195  $\chi^2/\text{NDF}$ : 85916.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -213.662+/-0.174  $\chi^2/\text{NDF}$ : 32440.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

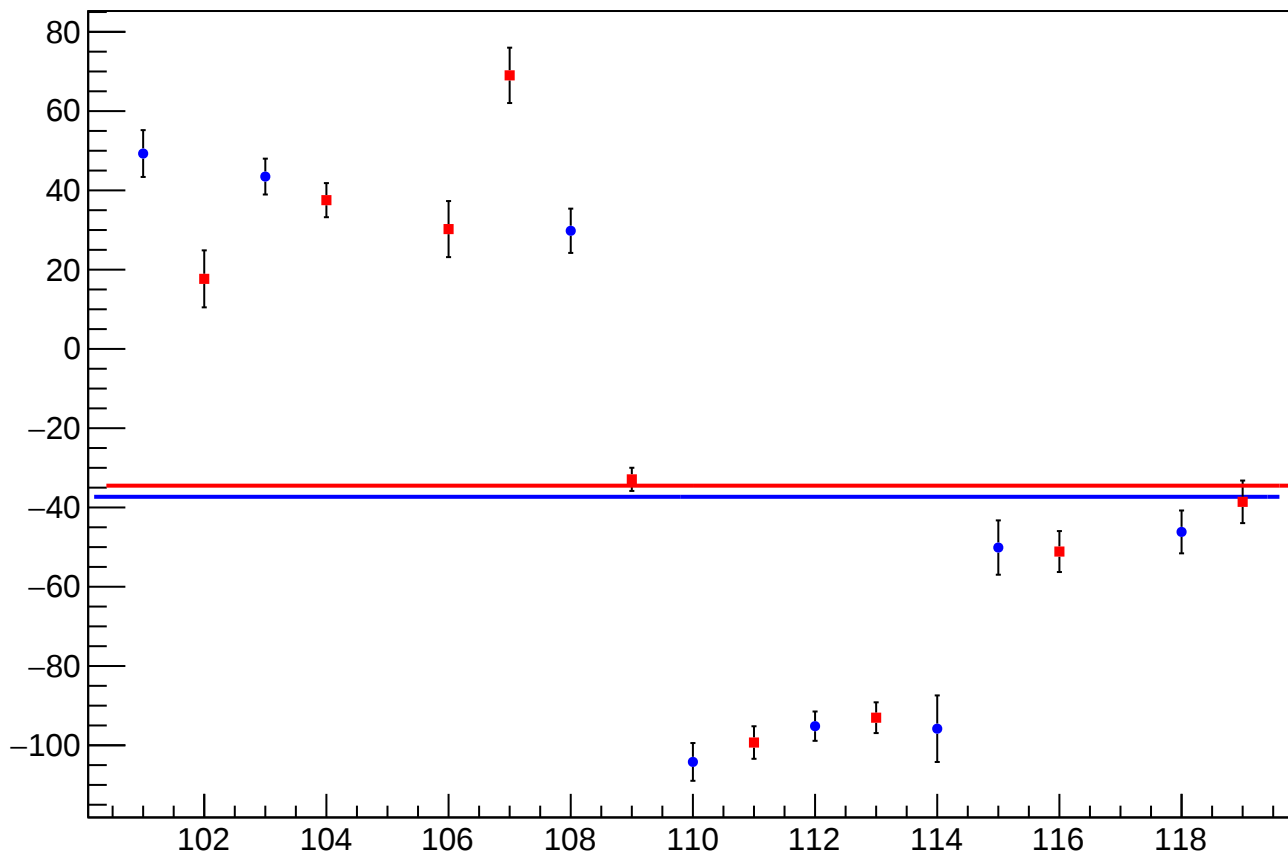
Right: -216.720+/-0.130  $\chi^2/\text{NDF}$ : 119056.8/16

In: -220.576+/-0.195  $\chi^2/\text{NDF}$ : 85916.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -216.720+/-0.130  $\chi^2/\text{NDF}$ : 119056.8/16

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-37.307 \pm 1.837$   $\chi^2/\text{NDF}$ : 1174.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-34.499 \pm 1.527$   $\chi^2/\text{NDF}$ : 1124.7/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

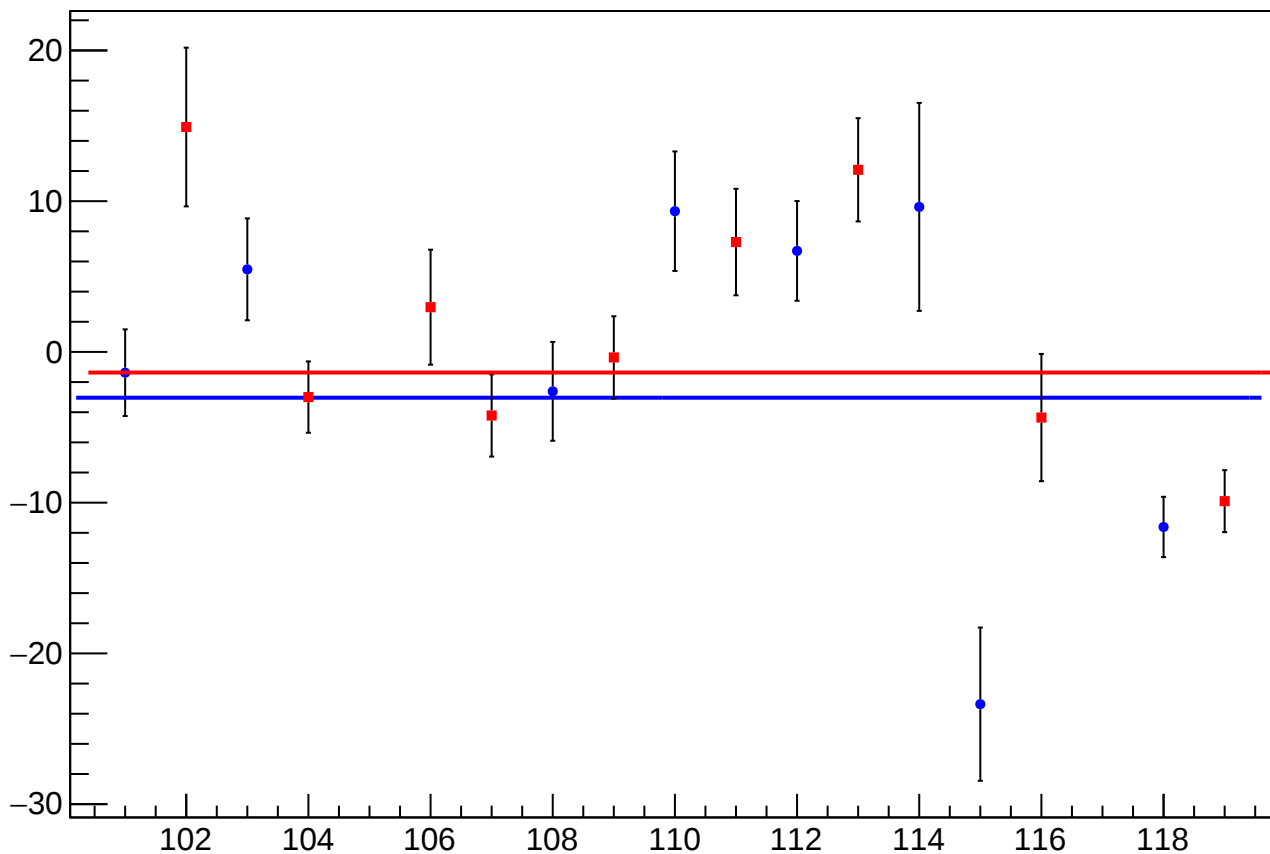
Right:  $-35.647 \pm 1.174$   $\chi^2/\text{NDF}$ : 2300.9/16

In:  $-37.307 \pm 1.837$   $\chi^2/\text{NDF}$ : 1174.9/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-35.647 \pm 1.174$   $\chi^2/\text{NDF}$ : 2300.9/16

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.037+/-1.143  $\chi^2/\text{NDF}$ : 62.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.367+/-0.995  $\chi^2/\text{NDF}$ : 51.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

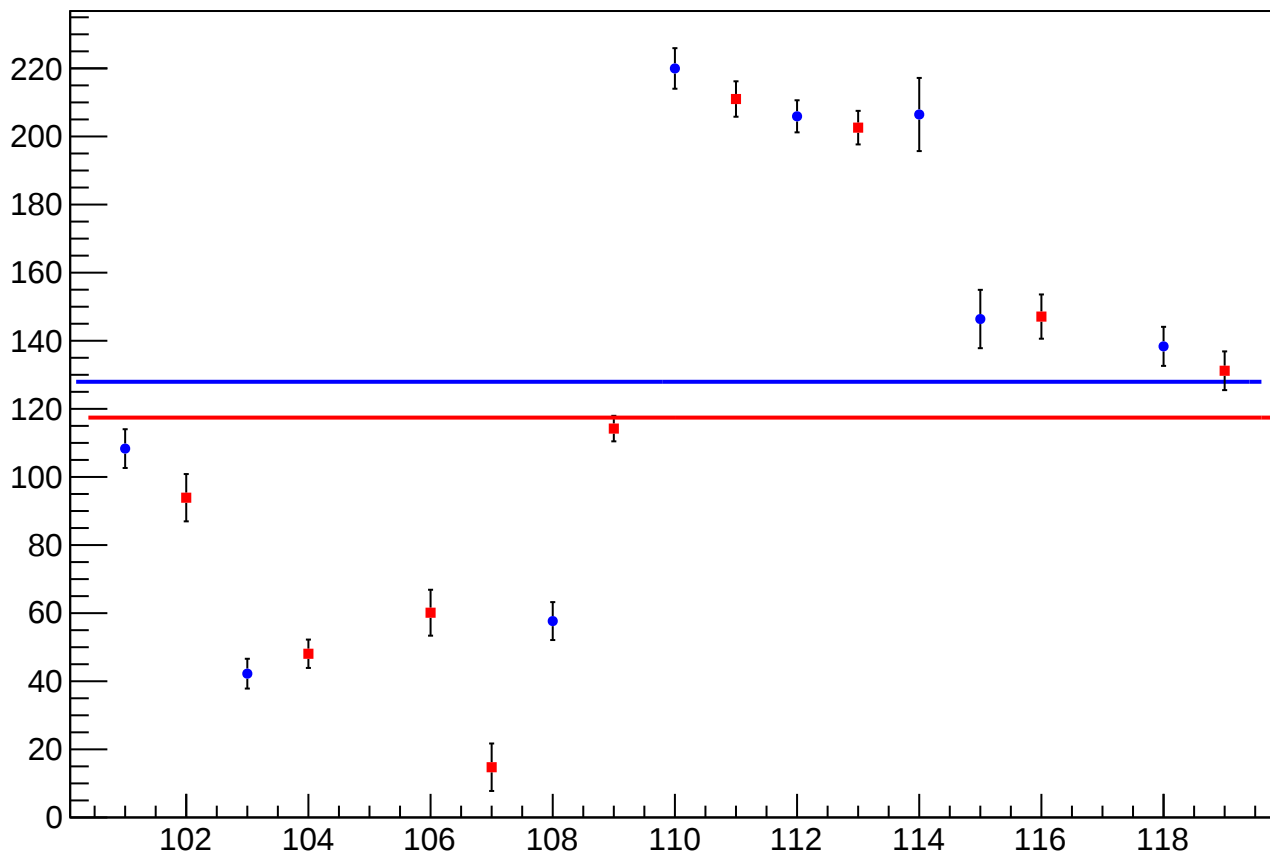
Right: -2.087+/-0.750  $\chi^2/\text{NDF}$ : 115.8/16

In: -3.037+/-1.143  $\chi^2/\text{NDF}$ : 62.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.087+/-0.750  $\chi^2/\text{NDF}$ : 115.8/16

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 127.953+/-2.036  $\chi^2/\text{NDF}$ : 1128.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 117.434+/-1.755  $\chi^2/\text{NDF}$ : 1226.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

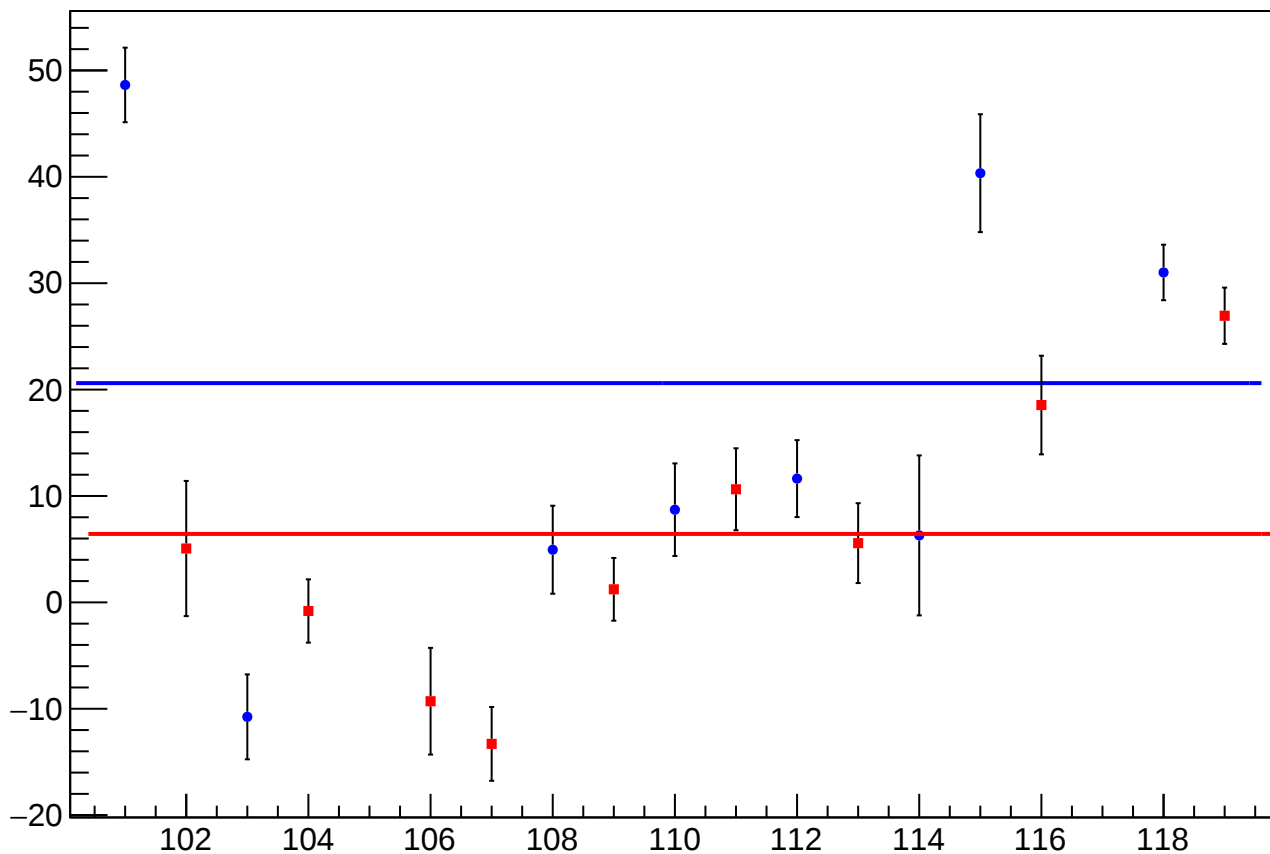
Right: 121.917+/-1.329  $\chi^2/\text{NDF}$ : 2370.9/16

In: 127.953+/-2.036  $\chi^2/\text{NDF}$ : 1128.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 121.917+/-1.329  $\chi^2/\text{NDF}$ : 2370.9/16

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 20.609 $\pm$ 1.375  $\chi^2$ /NDF: 185.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.435 $\pm$ 1.192  $\chi^2$ /NDF: 119.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

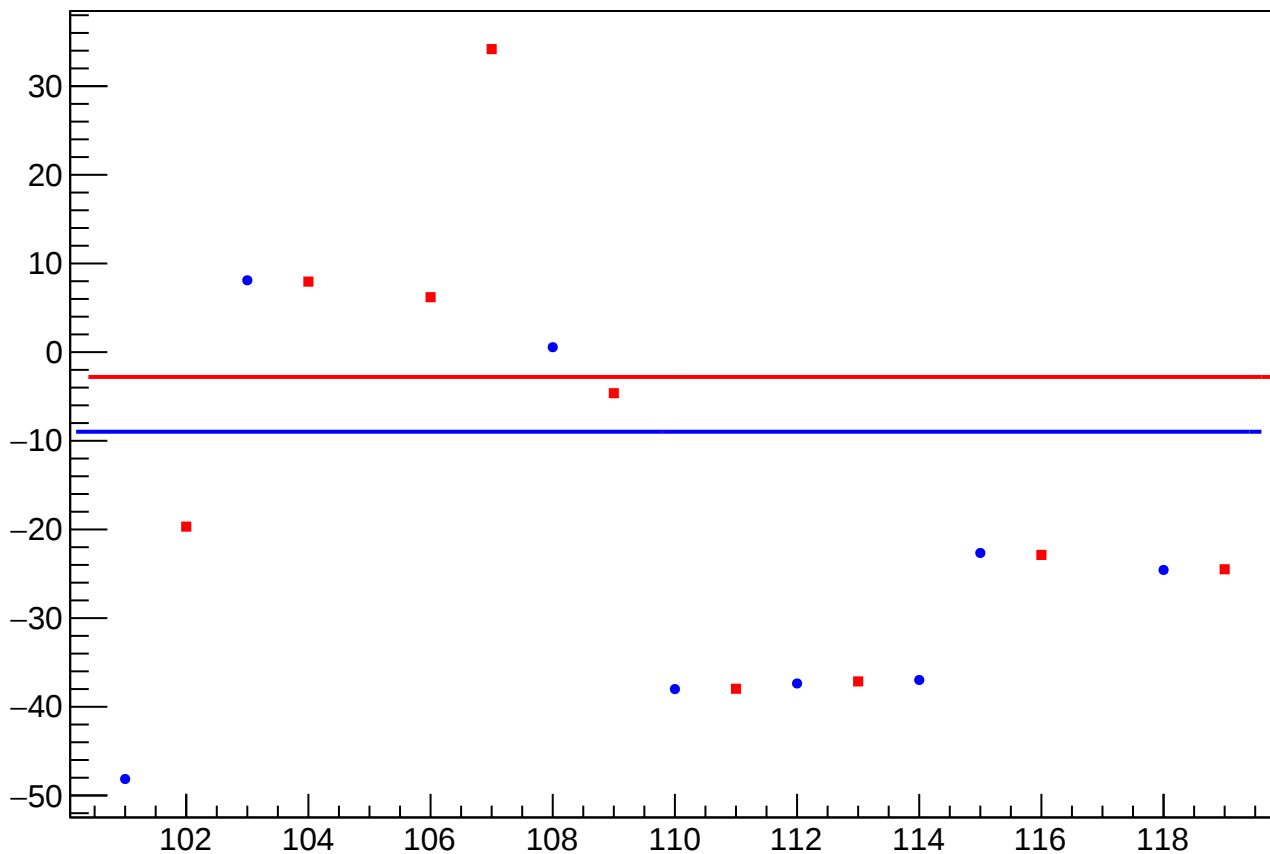
Right: 12.520 $\pm$ 0.901  $\chi^2$ /NDF: 366.1/16

In: 20.609 $\pm$ 1.375  $\chi^2$ /NDF: 185.9/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.520 $\pm$ 0.901  $\chi^2$ /NDF: 366.1/16

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -8.977+/-0.063  $\chi^2/\text{NDF}$ : 108164.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.796+/-0.058  $\chi^2/\text{NDF}$ : 134544.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

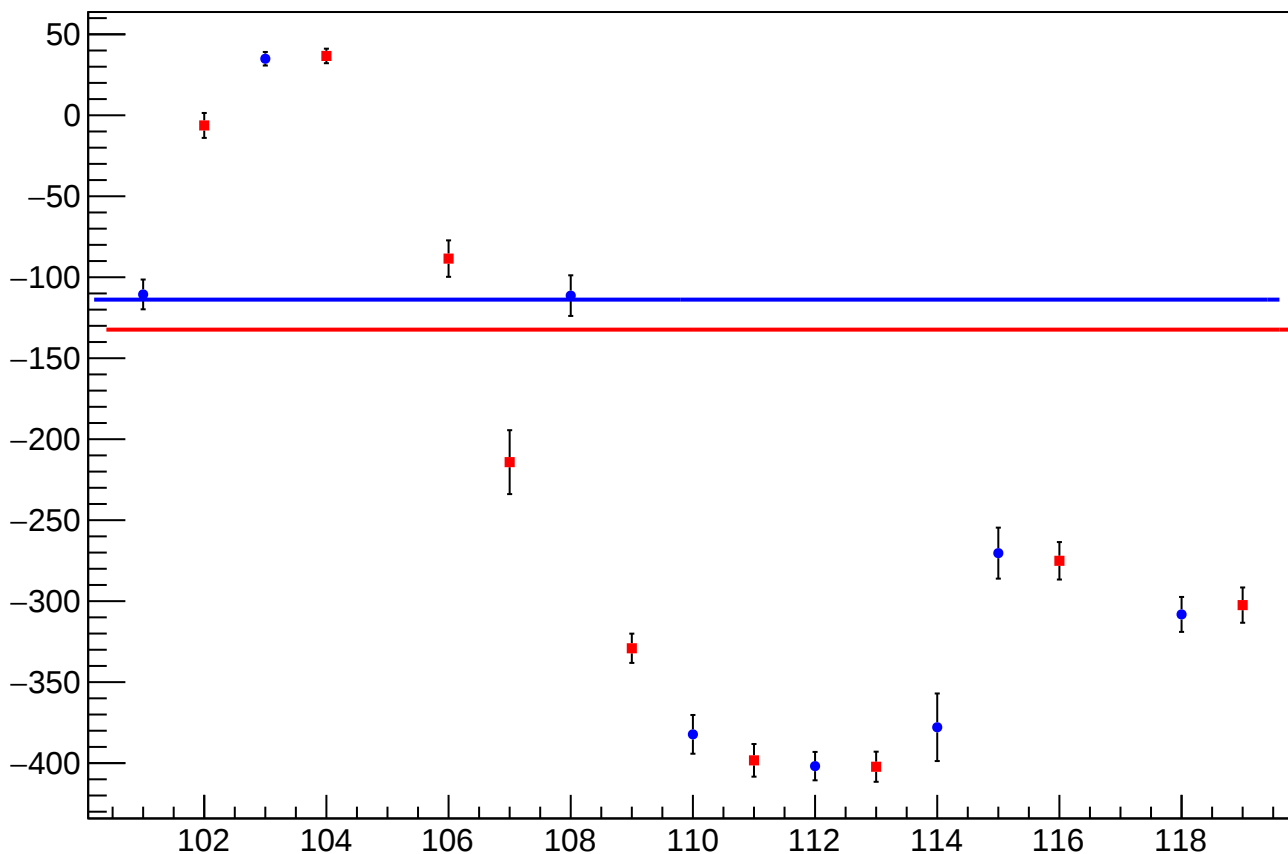
Right: -5.621+/-0.043  $\chi^2/\text{NDF}$ : 247918.6/16

In: -8.977+/-0.063  $\chi^2/\text{NDF}$ : 108164.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.621+/-0.043  $\chi^2/\text{NDF}$ : 247918.6/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -113.817+/-3.014  $\chi^2/\text{NDF}$ : 3427.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -132.346+/-2.812  $\chi^2/\text{NDF}$ : 4125.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

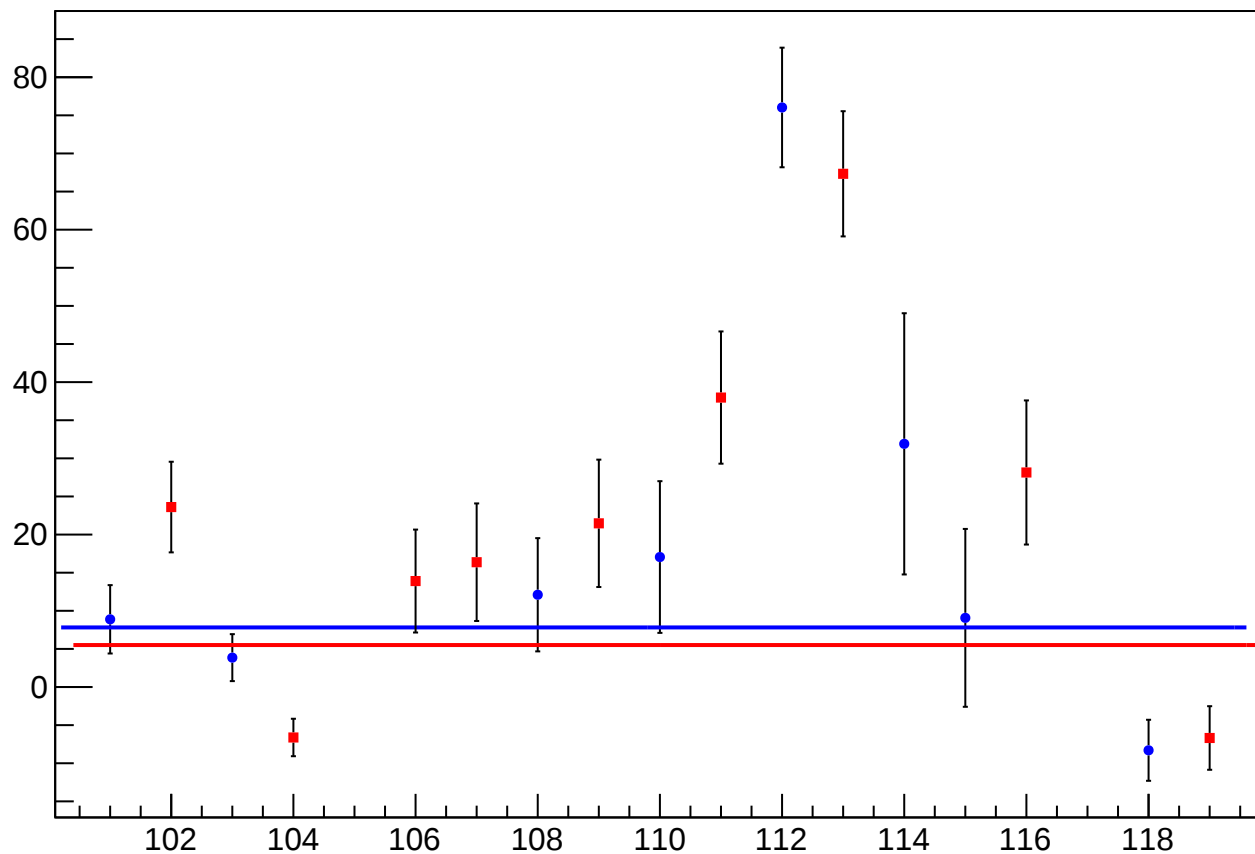
Right: -123.723+/-2.056  $\chi^2/\text{NDF}$ : 7573.3/16

In: -113.817+/-3.014  $\chi^2/\text{NDF}$ : 3427.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -123.723+/-2.056  $\chi^2/\text{NDF}$ : 7573.3/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.818+/-1.915  $\chi^2/\text{NDF}$ : 96.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.508+/-1.706  $\chi^2/\text{NDF}$ : 125.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

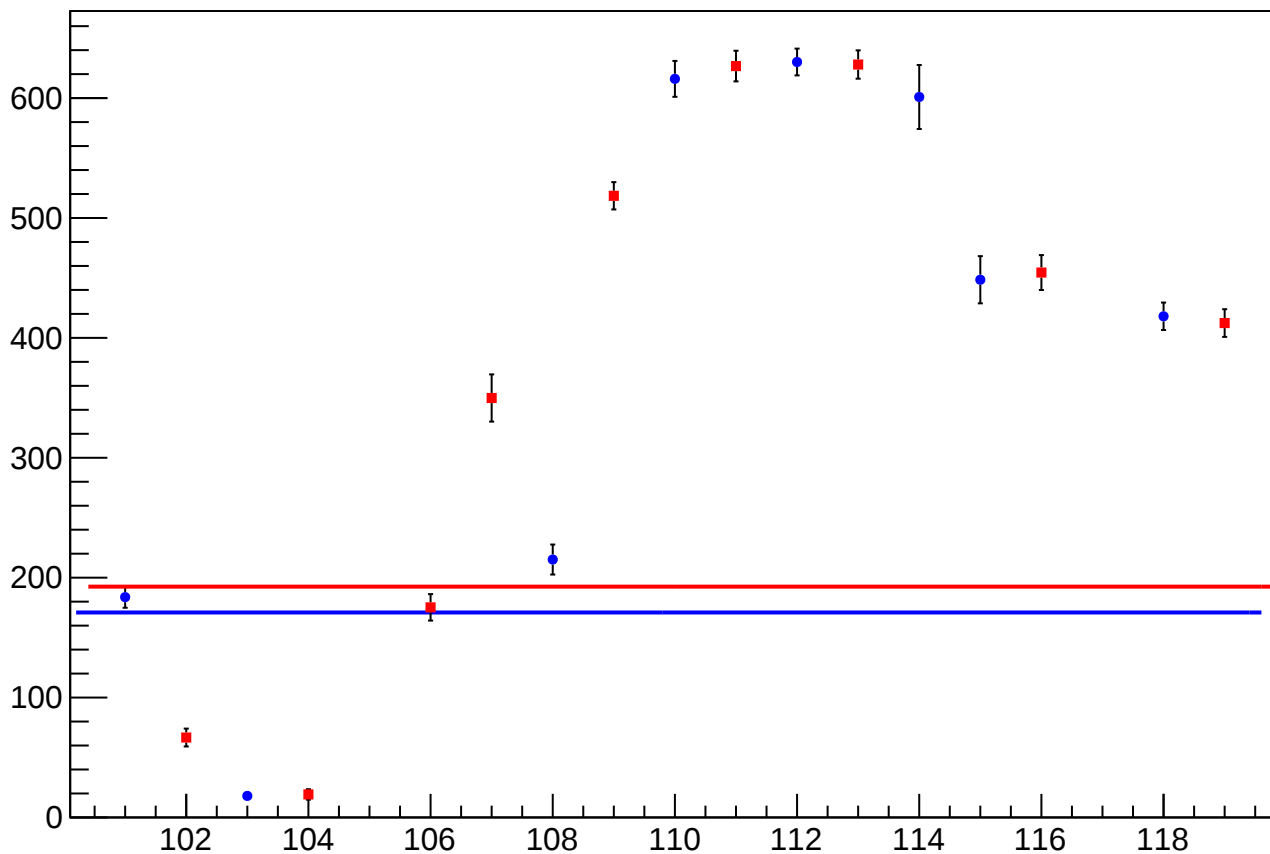
Right: 6.530+/-1.274  $\chi^2/\text{NDF}$ : 223.3/16

In: 7.818+/-1.915  $\chi^2/\text{NDF}$ : 96.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.530+/-1.274  $\chi^2/\text{NDF}$ : 223.3/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 170.957+/-3.098  $\chi^2/\text{NDF}$ : 4940.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 192.515+/-2.949  $\chi^2/\text{NDF}$ : 5959.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

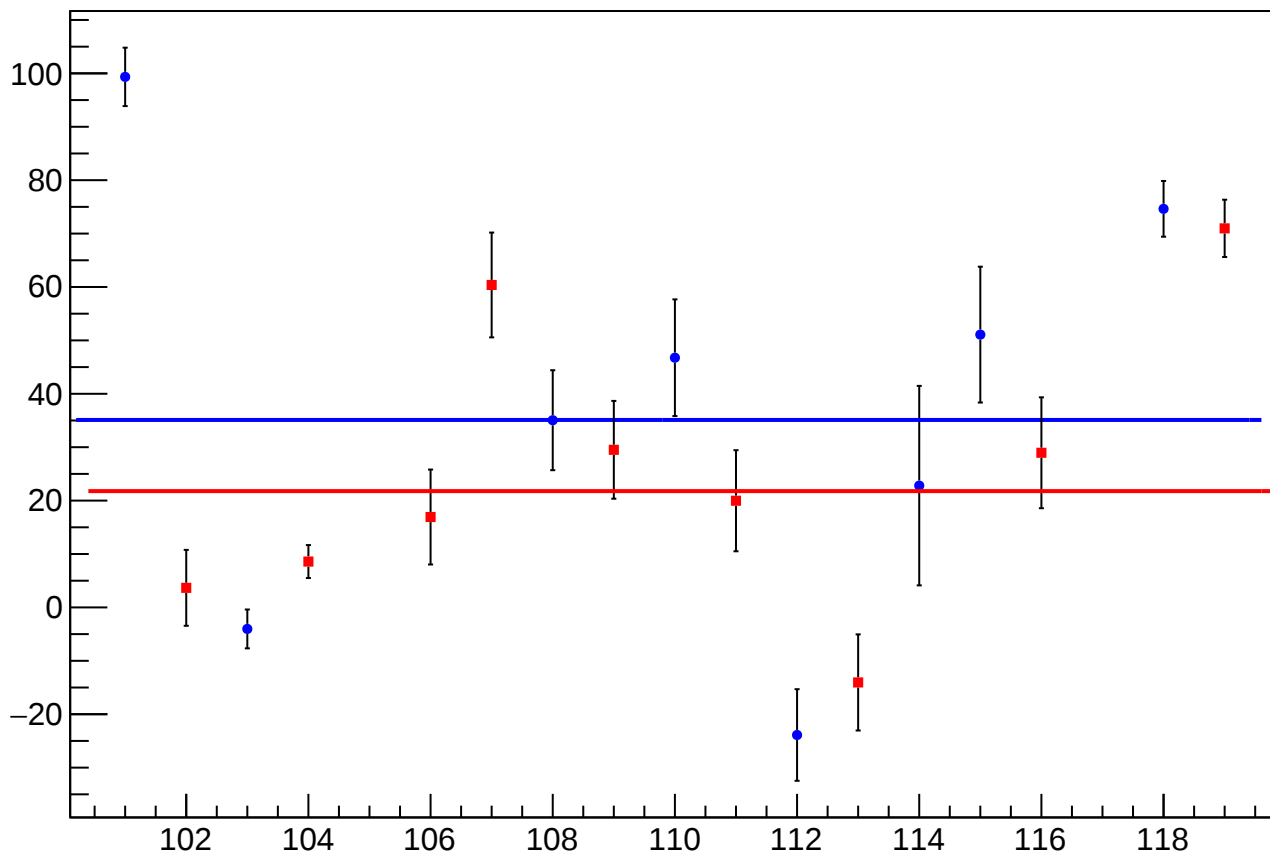
Right: 182.267+/-2.136  $\chi^2/\text{NDF}$ : 10925.5/16

In: 170.957+/-3.098  $\chi^2/\text{NDF}$ : 4940.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 182.267+/-2.136  $\chi^2/\text{NDF}$ : 10925.5/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 35.105+/-2.306  $\chi^2/\text{NDF}$ : 361.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.779+/-2.098  $\chi^2/\text{NDF}$ : 141.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

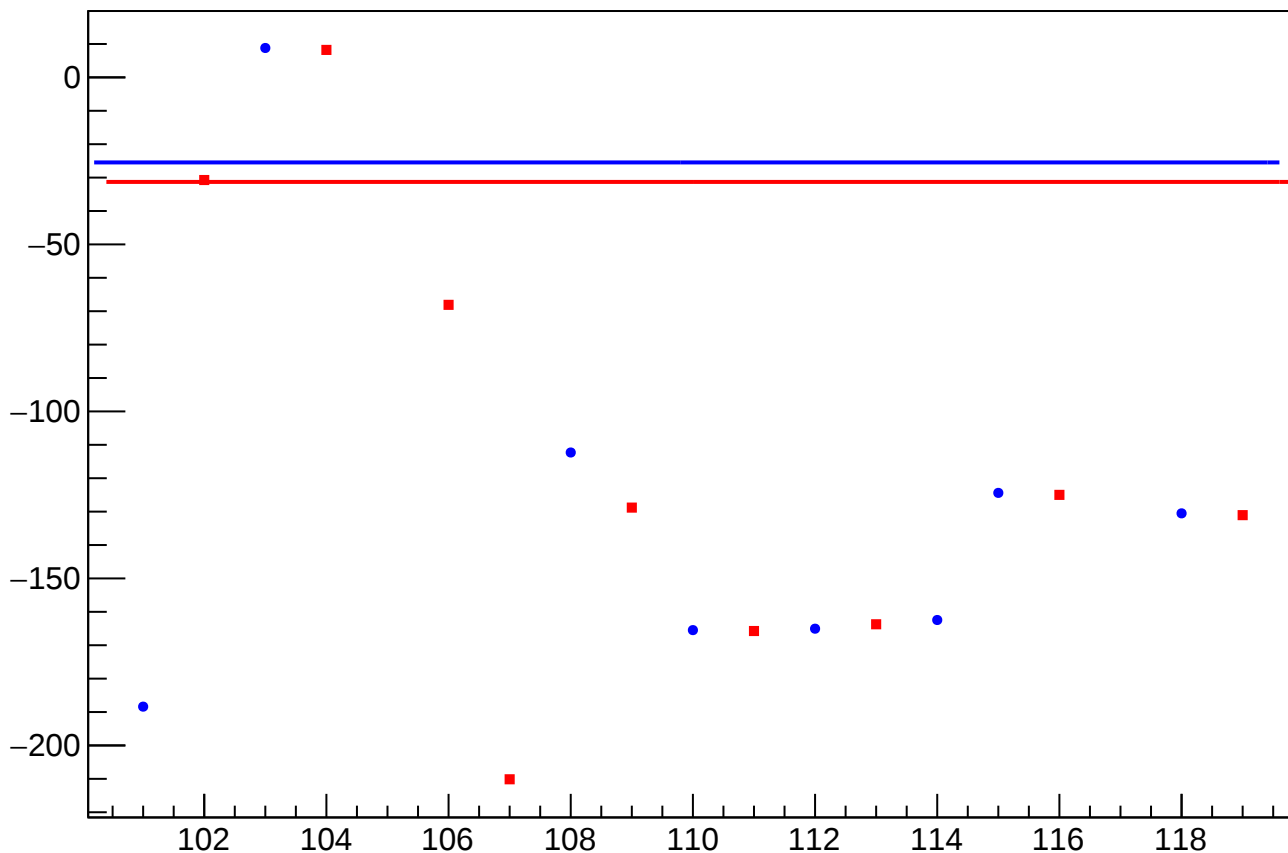
Right: 27.814+/-1.552  $\chi^2/\text{NDF}$ : 521.4/16

In: 35.105+/-2.306  $\chi^2/\text{NDF}$ : 361.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.814+/-1.552  $\chi^2/\text{NDF}$ : 521.4/16

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -25.459+/-0.080  $\chi^2/\text{NDF}$ : 681386.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -31.294+/-0.081  $\chi^2/\text{NDF}$ : 528162.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

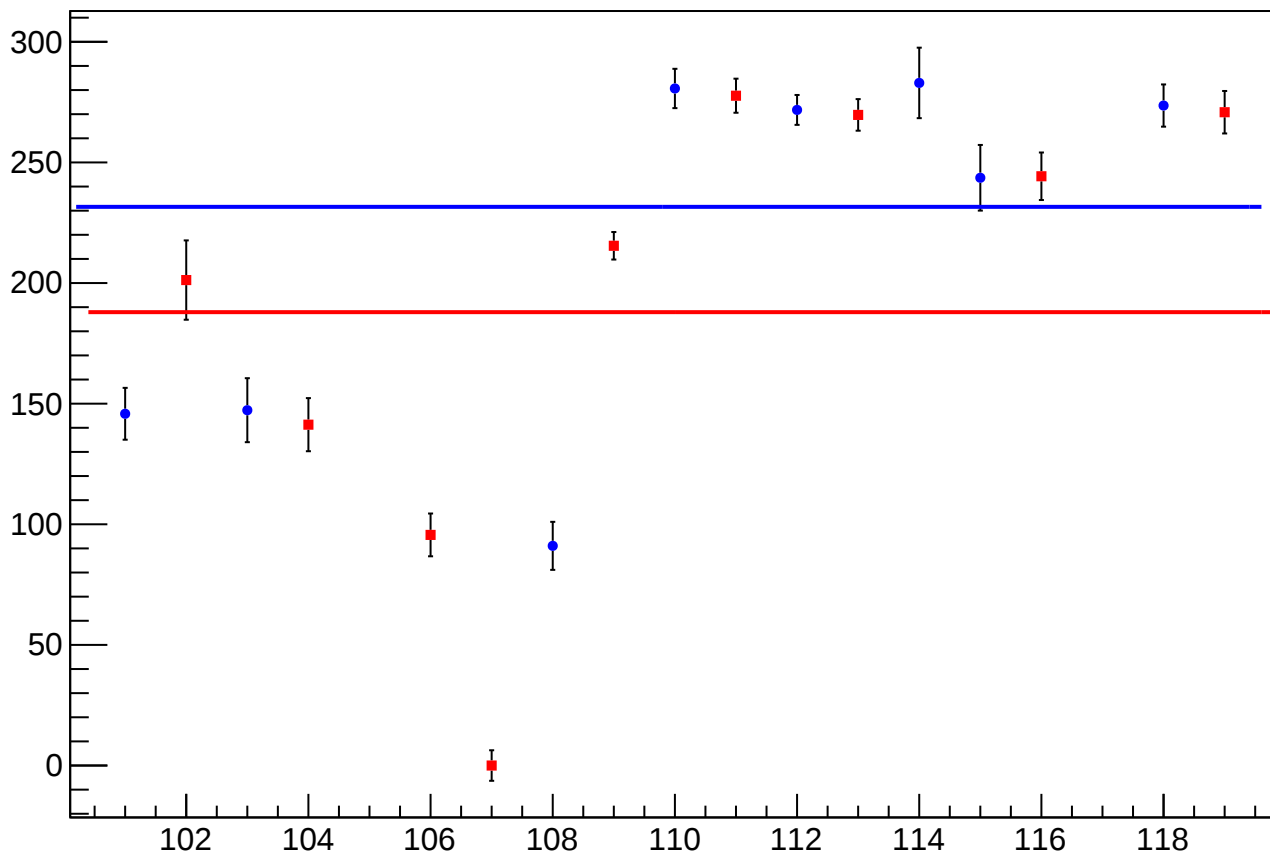
Right: -28.351+/-0.057  $\chi^2/\text{NDF}$ : 1212174.0/16

In: -25.459+/-0.080  $\chi^2/\text{NDF}$ : 681386.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -28.351+/-0.057  $\chi^2/\text{NDF}$ : 1212174.0/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 231.589+/-3.358  $\chi^2/\text{NDF}$ : 418.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 187.934+/-2.608  $\chi^2/\text{NDF}$ : 1470.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

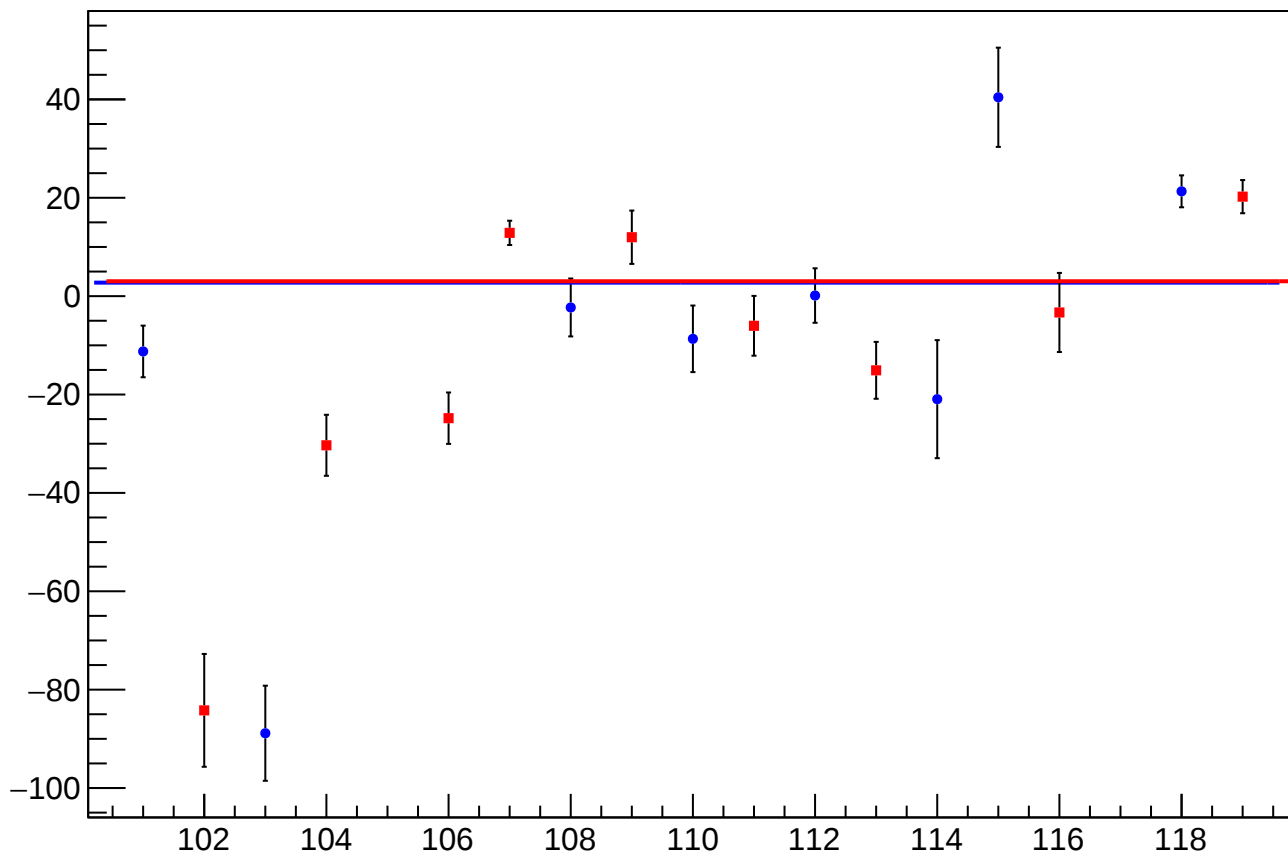
Right: 204.366+/-2.060  $\chi^2/\text{NDF}$ : 1994.3/16

In: 231.589+/-3.358  $\chi^2/\text{NDF}$ : 418.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 204.366+/-2.060  $\chi^2/\text{NDF}$ : 1994.3/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.747+/-2.033     $\chi^2/\text{NDF}$ : 151.3/7

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.029+/-1.527     $\chi^2/\text{NDF}$ : 172.4/8

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

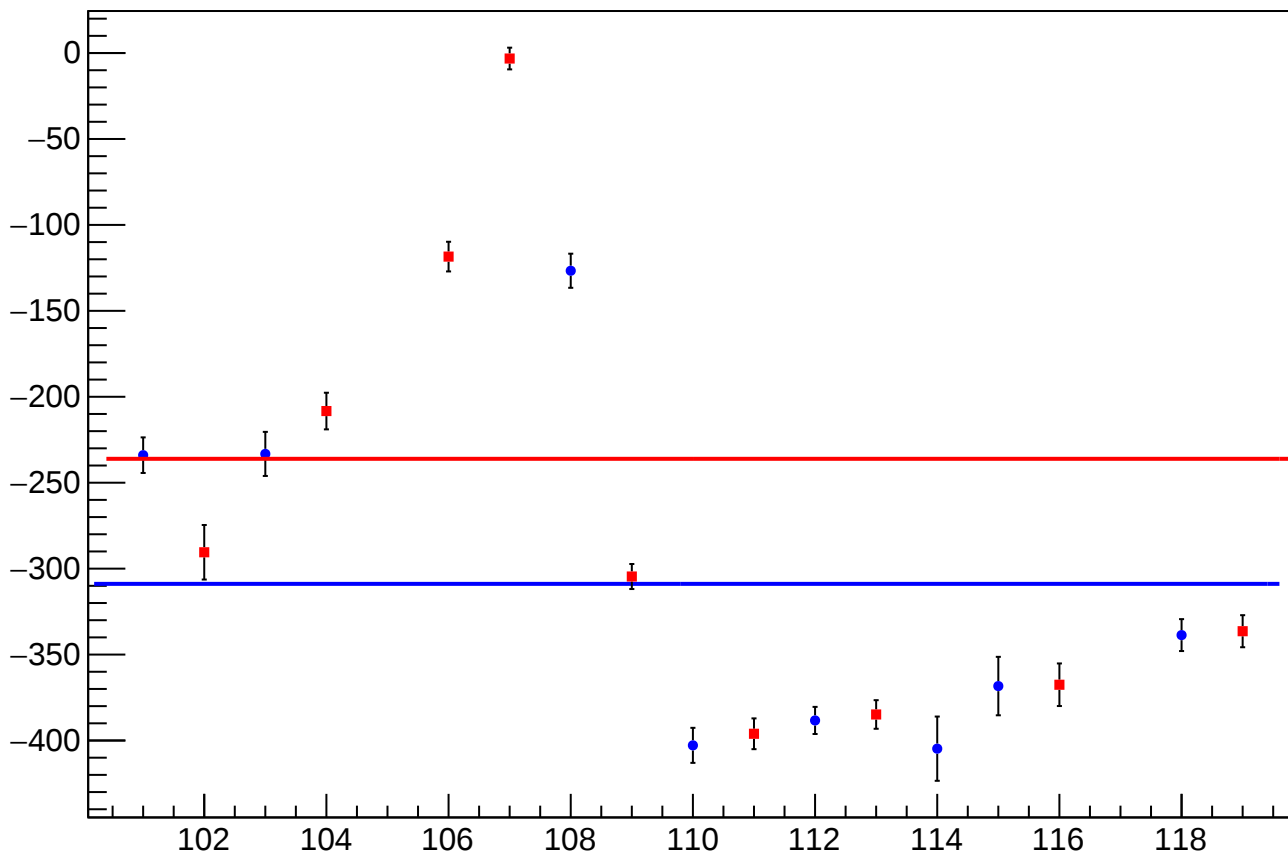
Right: 2.928+/-1.221     $\chi^2/\text{NDF}$ : 323.7/16

In: 2.747+/-2.033     $\chi^2/\text{NDF}$ : 151.3/7

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 2.928+/-1.221     $\chi^2/\text{NDF}$ : 323.7/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -308.856+/-3.802  $\chi^2/\text{NDF}$ : 659.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -236.094+/-2.949  $\chi^2/\text{NDF}$ : 2519.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

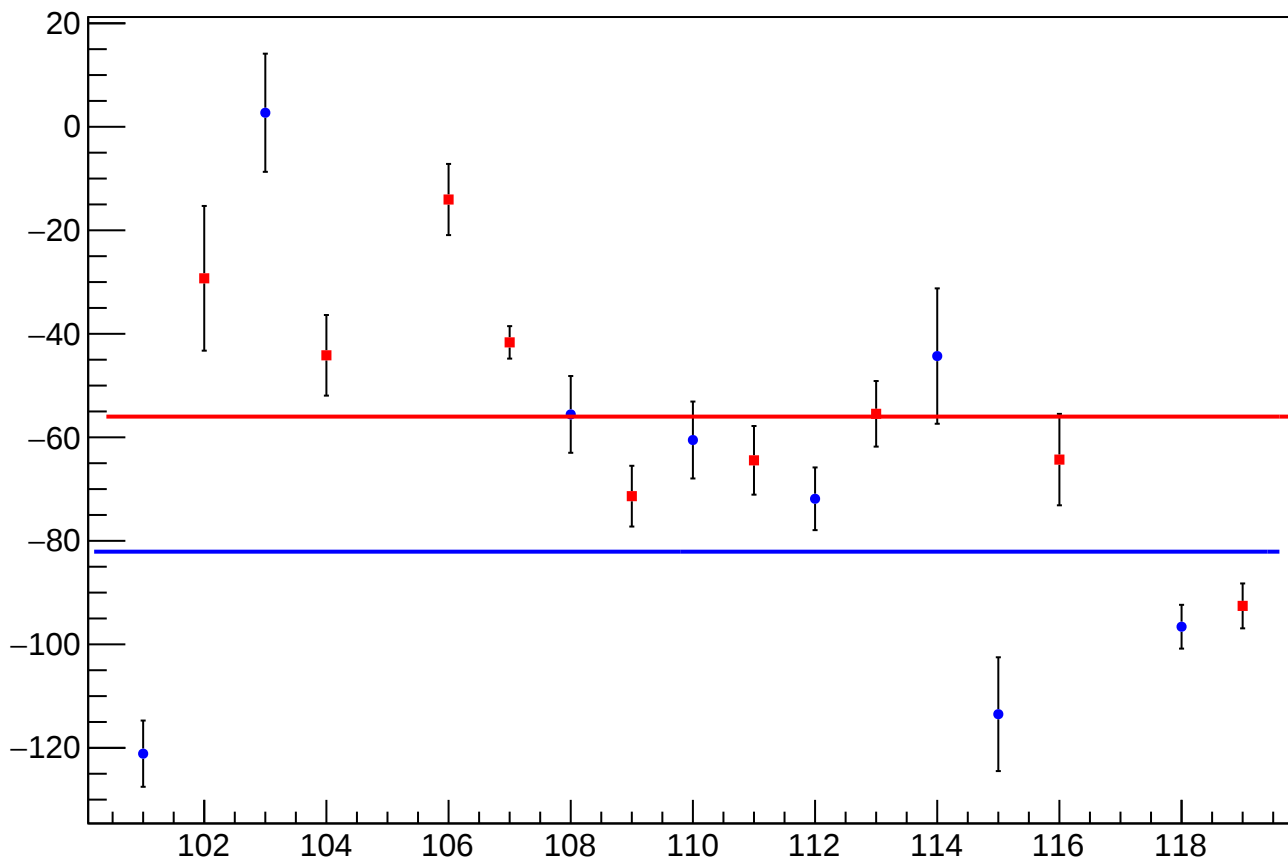
Right: -263.418+/-2.330  $\chi^2/\text{NDF}$ : 3407.0/16

In: -308.856+/-3.802  $\chi^2/\text{NDF}$ :659.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -263.418+/-2.330  $\chi^2/\text{NDF}$ : 3407.0/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -82.092 $\pm$ 2.457  $\chi^2$ /NDF: 144.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -55.995 $\pm$ 1.867  $\chi^2$ /NDF: 144.5/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

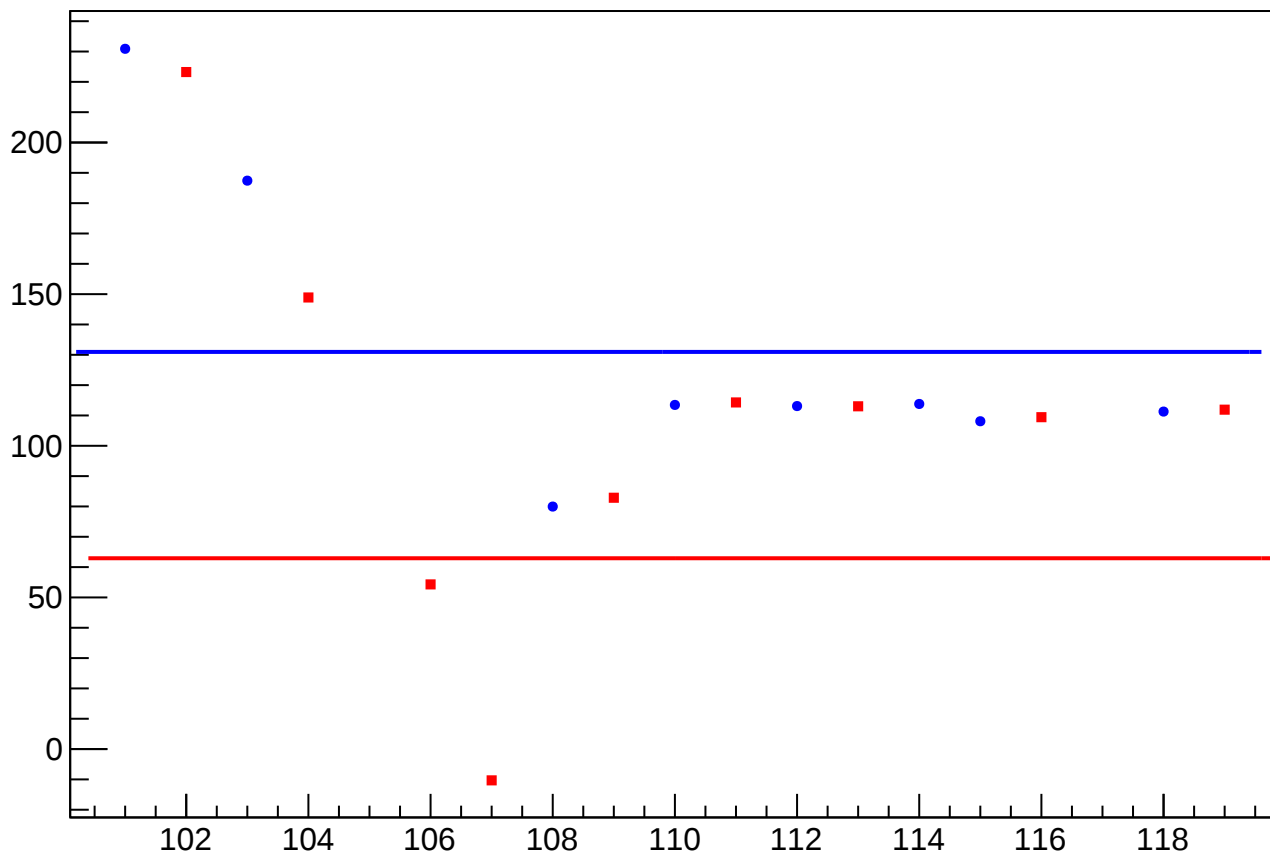
Right: -65.546 $\pm$ 1.487  $\chi^2$ /NDF: 360.8/16

In: -82.092 $\pm$ 2.457  $\chi^2$ /NDF:144.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -65.546 $\pm$ 1.487  $\chi^2$ /NDF: 360.8/16

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 130.955 $\pm$ 0.129  $\chi^2$ /NDF: 169198.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 62.918 $\pm$ 0.091  $\chi^2$ /NDF: 599553.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

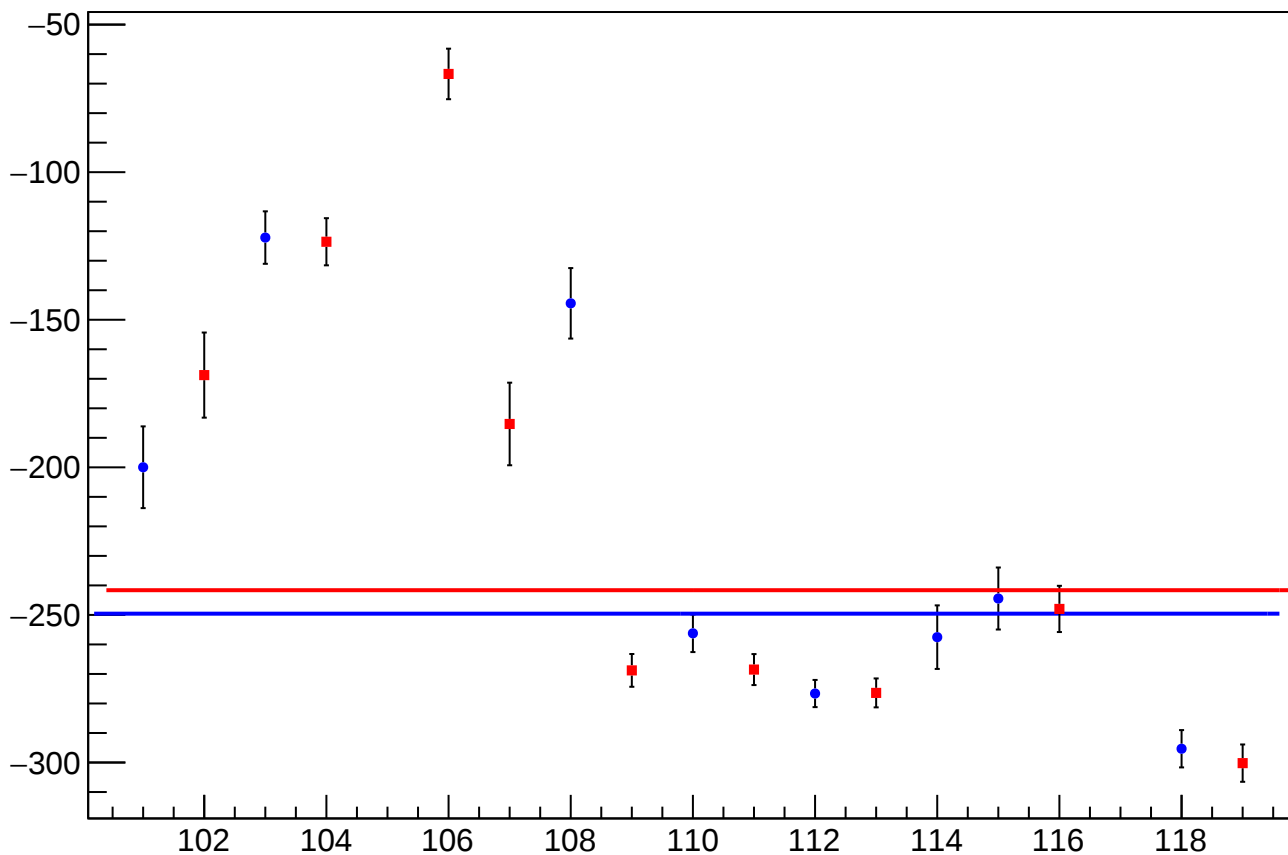
Right: 85.692 $\pm$ 0.074  $\chi^2$ /NDF: 954614.3/16

In: 130.955 $\pm$ 0.129  $\chi^2$ /NDF:169198.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 85.692 $\pm$ 0.074  $\chi^2$ /NDF: 954614.3/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -249.575+/-2.677  $\chi^2/\text{NDF}$ : 384.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -241.623+/-2.288  $\chi^2/\text{NDF}$ : 864.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

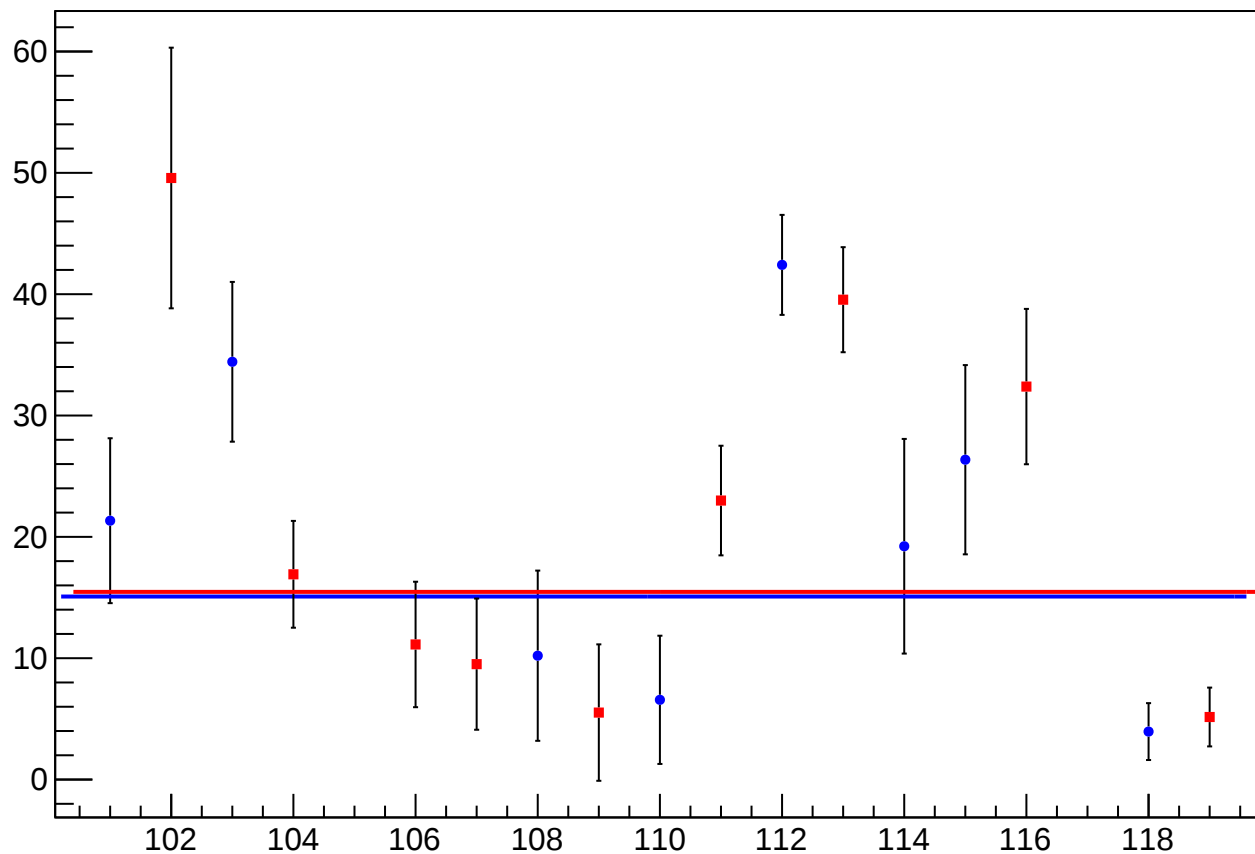
Right: -244.980+/-1.740  $\chi^2/\text{NDF}$ : 1254.4/16

In: -249.575+/-2.677  $\chi^2/\text{NDF}$ : 384.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -244.980+/-1.740  $\chi^2/\text{NDF}$ : 1254.4/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 15.083+/-1.642  $\chi^2/\text{NDF}$ : 81.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.467+/-1.473  $\chi^2/\text{NDF}$ : 74.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

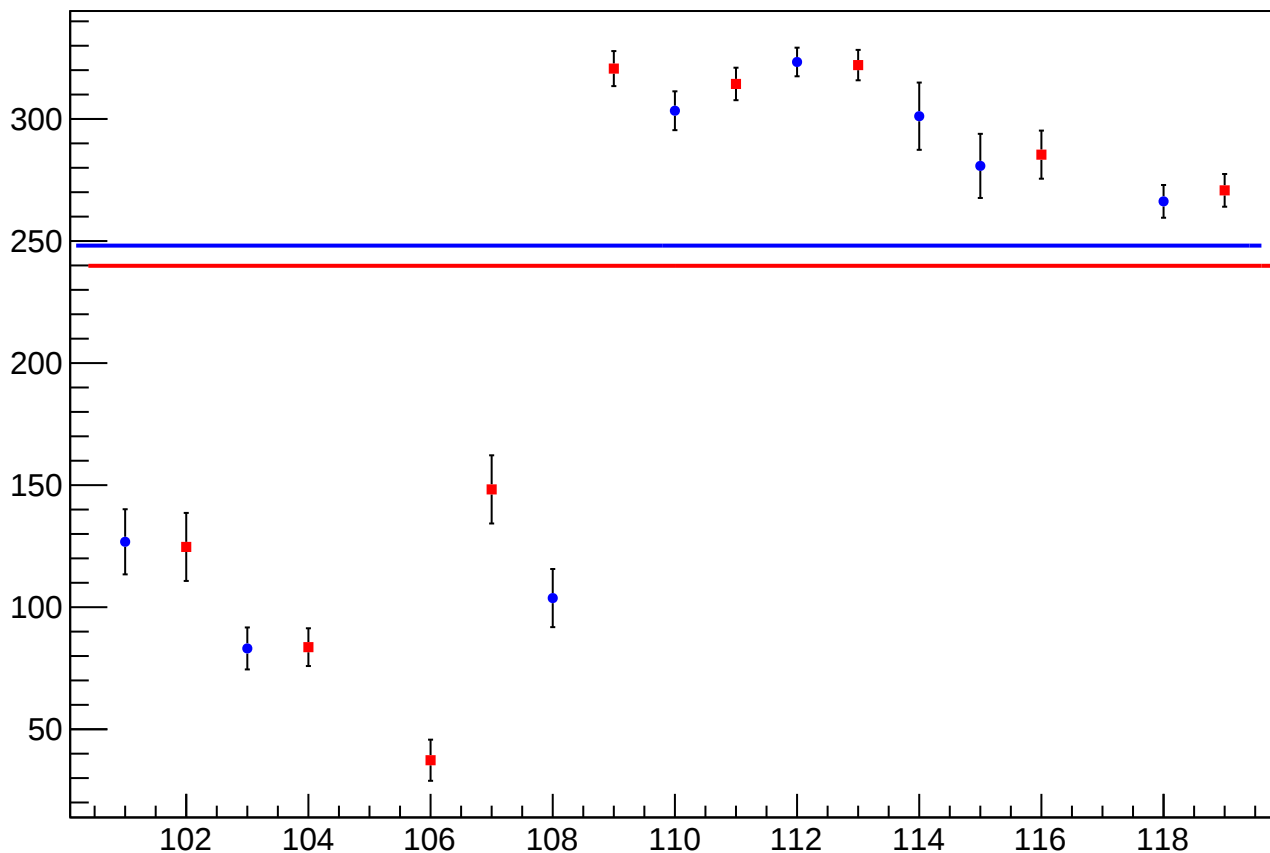
Right: 15.296+/-1.097  $\chi^2/\text{NDF}$ : 155.5/16

In: 15.083+/-1.642  $\chi^2/\text{NDF}$ : 81.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.296+/-1.097  $\chi^2/\text{NDF}$ : 155.5/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 248.123+/-3.095  $\chi^2/\text{NDF}$ : 839.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 239.853+/-2.659  $\chi^2/\text{NDF}$ : 1566.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

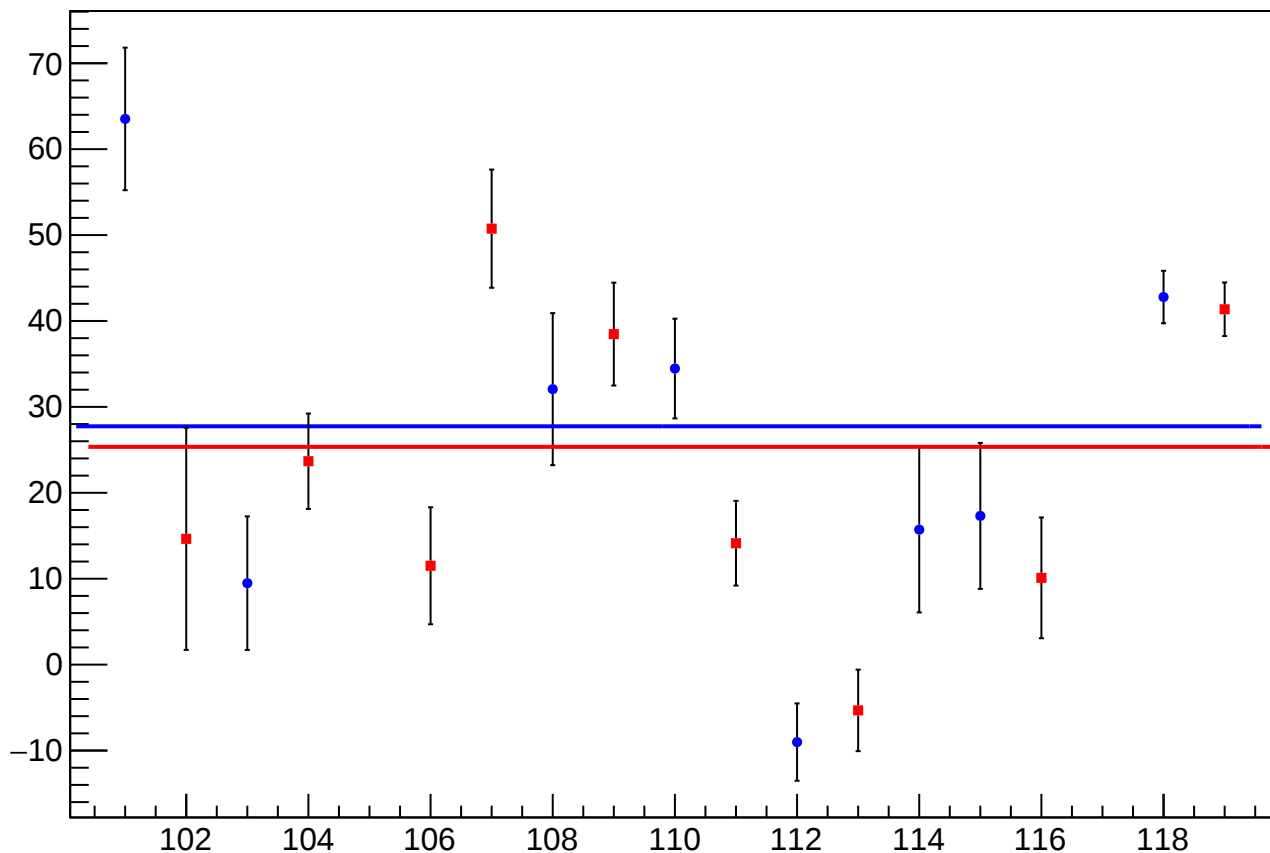
Right: 243.364+/-2.017  $\chi^2/\text{NDF}$ : 2409.6/16

In: 248.123+/-3.095  $\chi^2/\text{NDF}$ : 839.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 243.364+/-2.017  $\chi^2/\text{NDF}$ : 2409.6/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 27.740+/-1.981  $\chi^2/\text{NDF}$ : 119.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.348+/-1.774  $\chi^2/\text{NDF}$ : 101.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

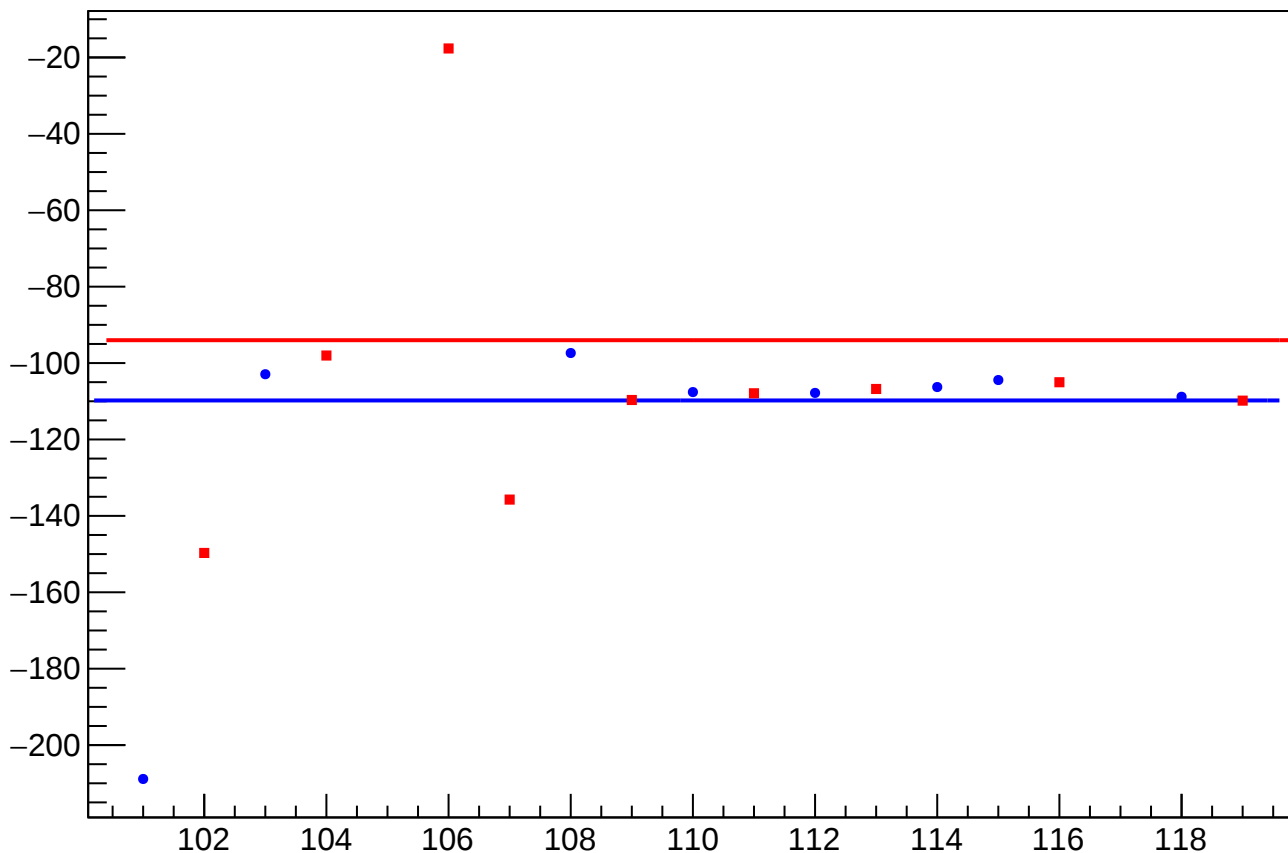
Right: 26.412+/-1.322  $\chi^2/\text{NDF}$ : 221.9/16

In: 27.740+/-1.981  $\chi^2/\text{NDF}$ : 119.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 26.412+/-1.322  $\chi^2/\text{NDF}$ : 221.9/16

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -109.787+/-0.110  $\chi^2/\text{NDF}$ : 46183.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -94.015+/-0.092  $\chi^2/\text{NDF}$ : 192044.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

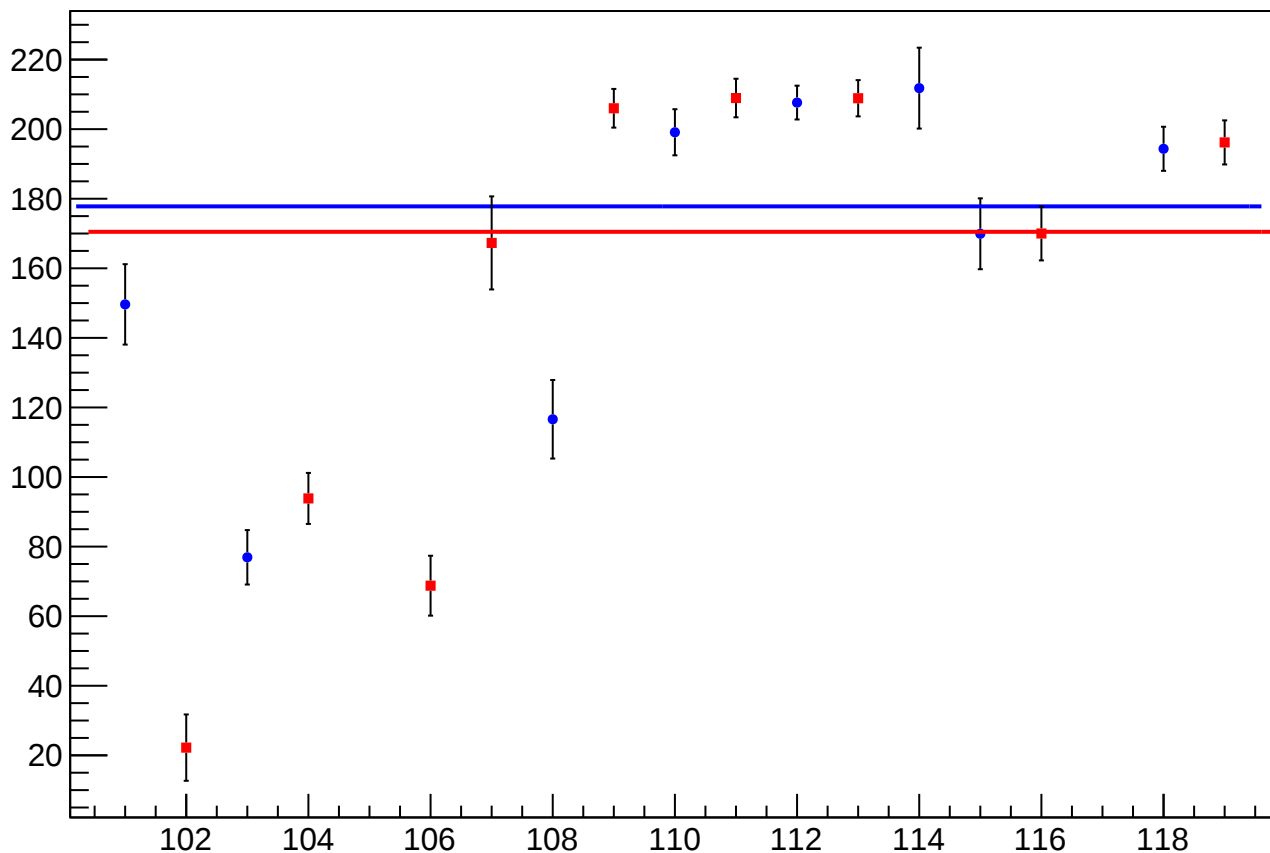
Right: -100.510+/-0.070  $\chi^2/\text{NDF}$ : 250401.2/16

In: -109.787+/-0.110  $\chi^2/\text{NDF}$ : 46183.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -100.510+/-0.070  $\chi^2/\text{NDF}$ : 250401.2/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 177.800+/-2.685  $\chi^2/\text{NDF}$ : 265.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 170.489+/-2.283  $\chi^2/\text{NDF}$ : 650.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

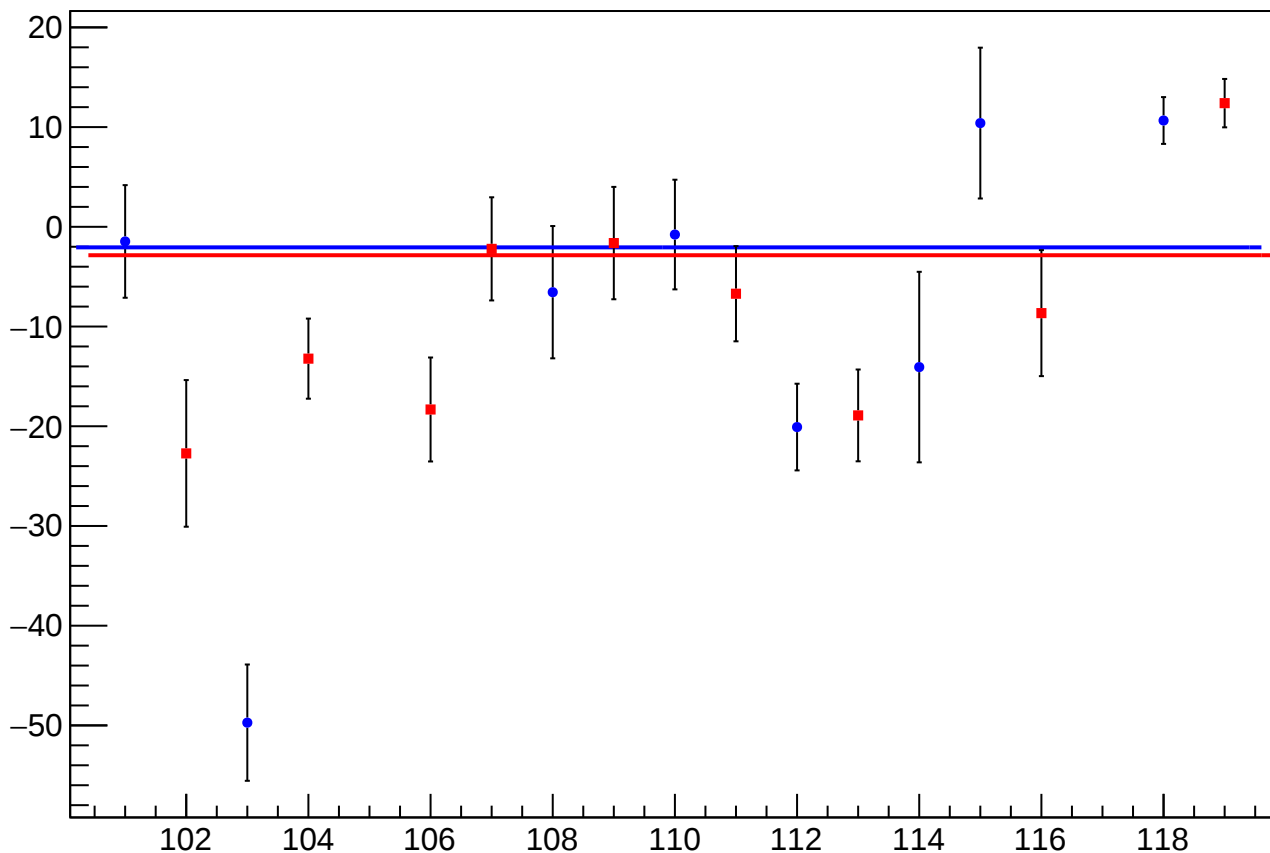
Right: 173.556+/-1.739  $\chi^2/\text{NDF}$ : 919.8/16

In: 177.800+/-2.685  $\chi^2/\text{NDF}$ : 265.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 173.556+/-1.739  $\chi^2/\text{NDF}$ : 919.8/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.061+/-1.623  $\chi^2$ /NDF: 118.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.850+/-1.455  $\chi^2$ /NDF: 76.0/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

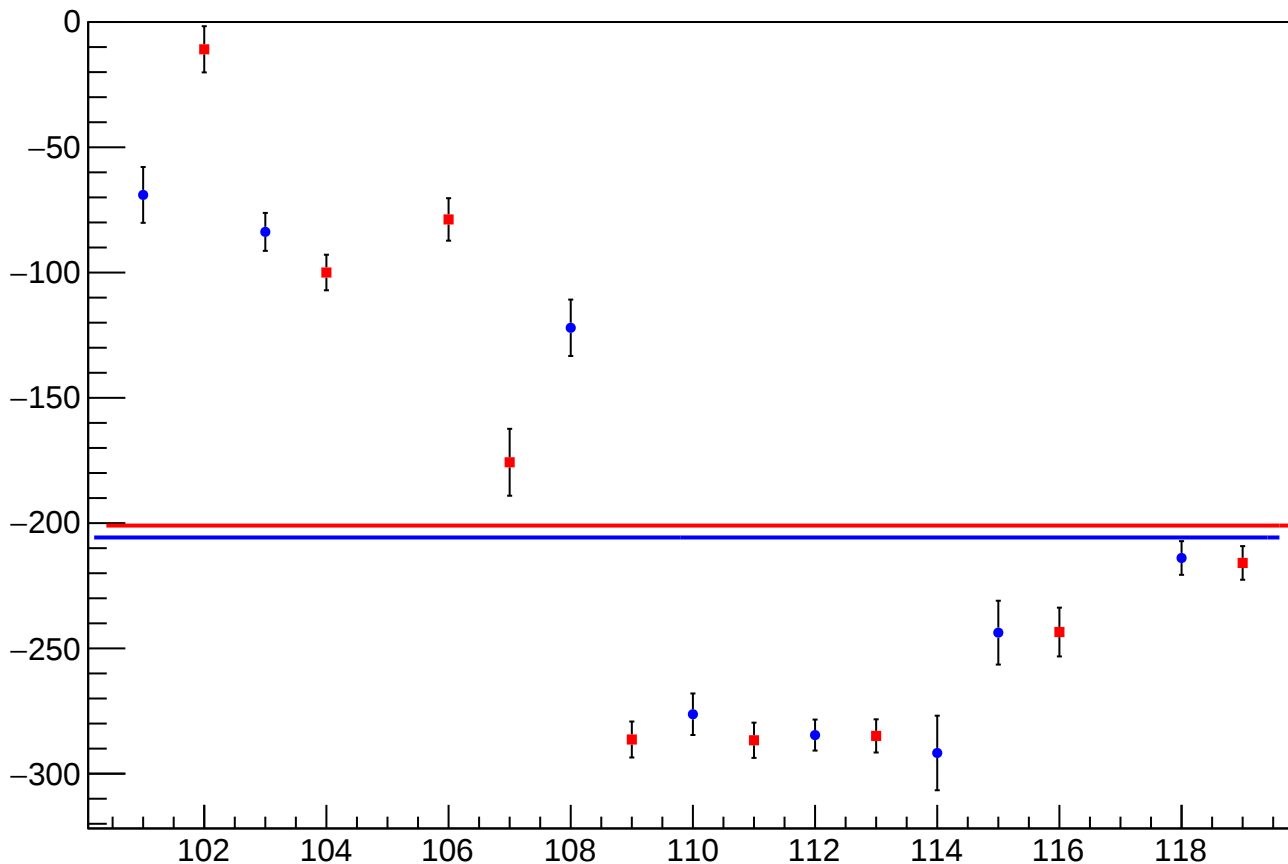
Right: -2.498+/-1.084  $\chi^2$ /NDF: 194.4/16

In: -2.061+/-1.623  $\chi^2$ /NDF:118.2/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.498+/-1.084  $\chi^2$ /NDF: 194.4/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -205.732+/-3.059  $\chi^2$ /NDF: 744.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -200.975+/-2.614  $\chi^2$ /NDF: 1313.6/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

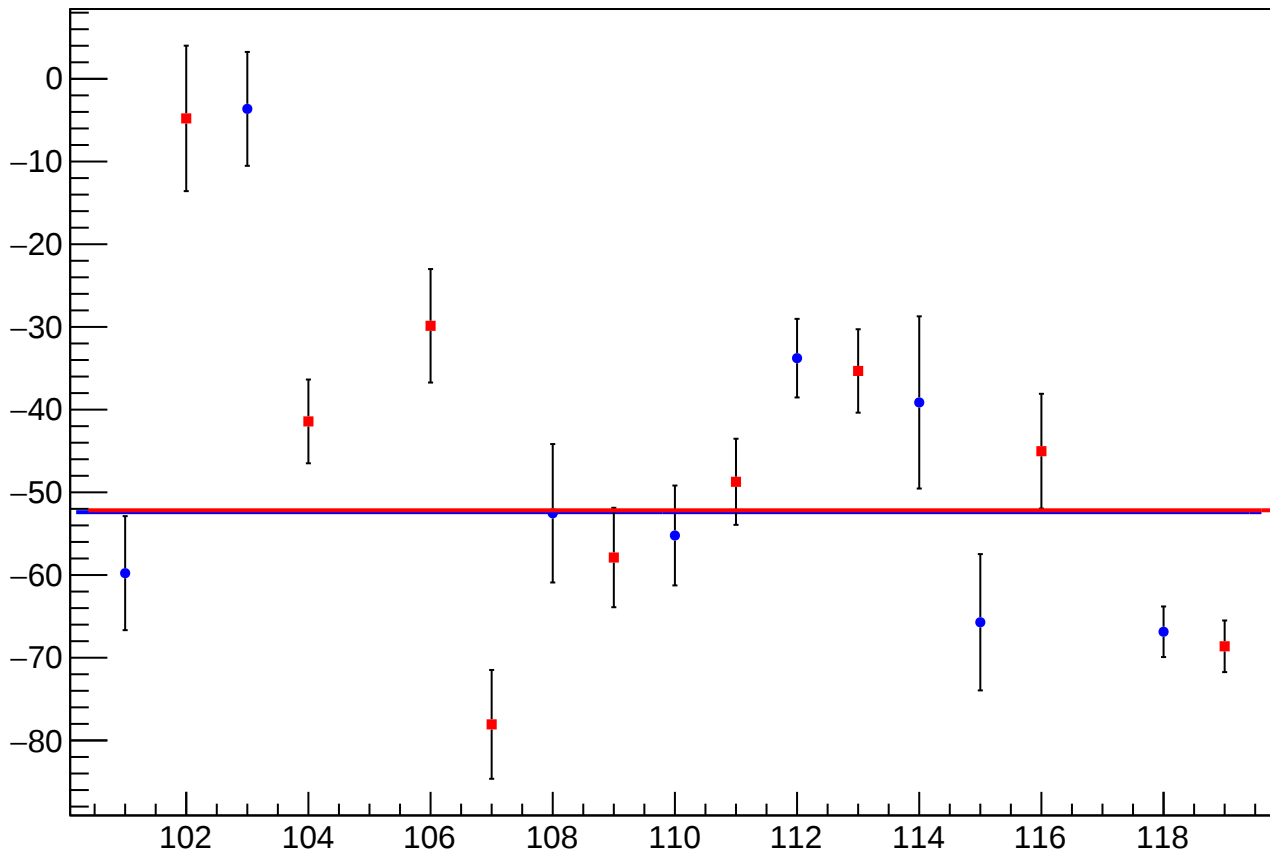
Right: -202.983+/-1.987  $\chi^2$ /NDF: 2059.2/16

In: -205.732+/-3.059  $\chi^2$ /NDF:744.3/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -202.983+/-1.987  $\chi^2$ /NDF: 2059.2/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -52.399+/-1.965  $\chi^2/\text{NDF}$ : 93.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -52.173+/-1.758  $\chi^2/\text{NDF}$ : 100.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

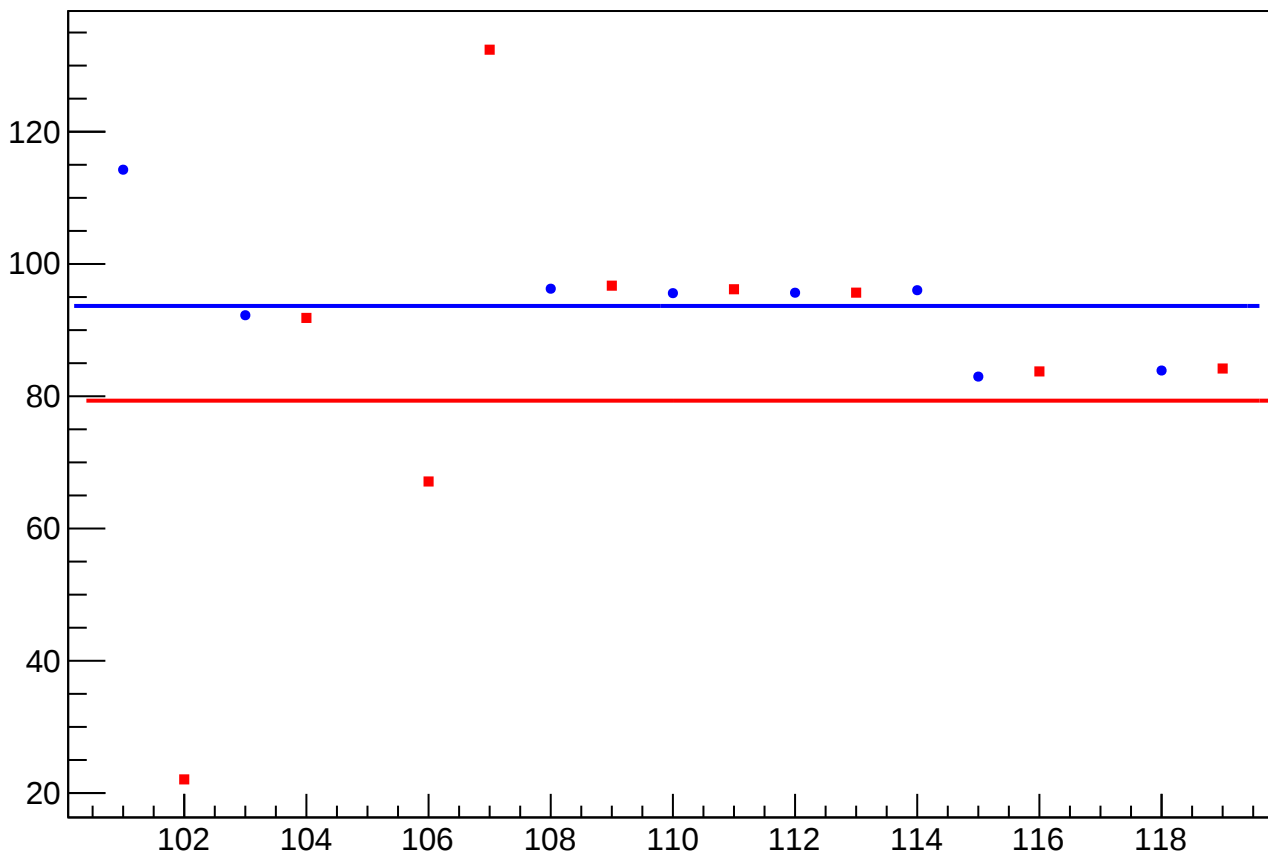
Right: -52.273+/-1.310  $\chi^2/\text{NDF}$ : 194.4/16

In: -52.399+/-1.965  $\chi^2/\text{NDF}$ : 93.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -52.273+/-1.310  $\chi^2/\text{NDF}$ : 194.4/16

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 93.656+/-0.104  $\chi^2/\text{NDF}$ : 4518.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.333+/-0.086  $\chi^2/\text{NDF}$ : 119722.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

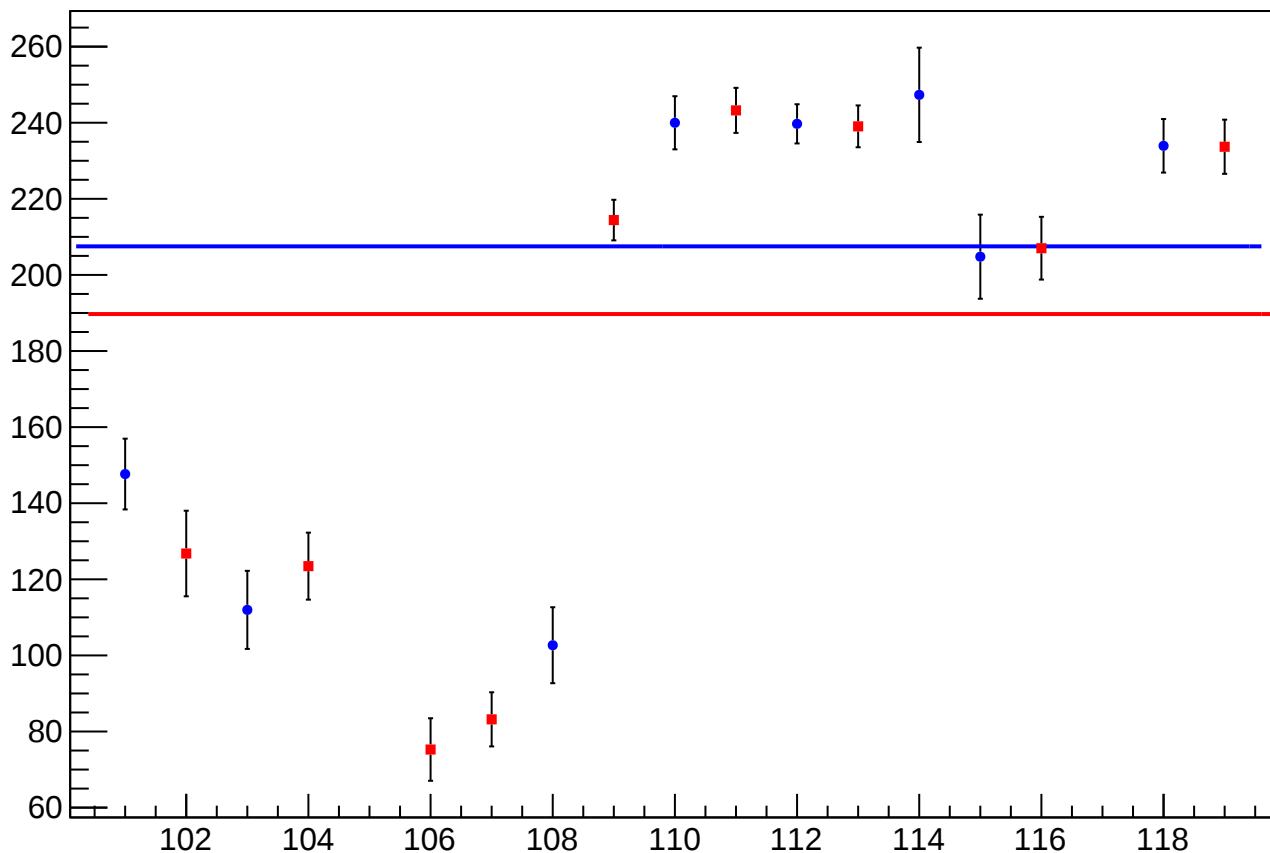
Right: 85.165+/-0.066  $\chi^2/\text{NDF}$ : 135480.8/16

In: 93.656+/-0.104  $\chi^2/\text{NDF}$ : 4518.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 85.165+/-0.066  $\chi^2/\text{NDF}$ : 135480.8/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 207.509+/-2.837  $\chi^2/\text{NDF}$ : 323.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 189.717+/-2.315  $\chi^2/\text{NDF}$ : 732.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

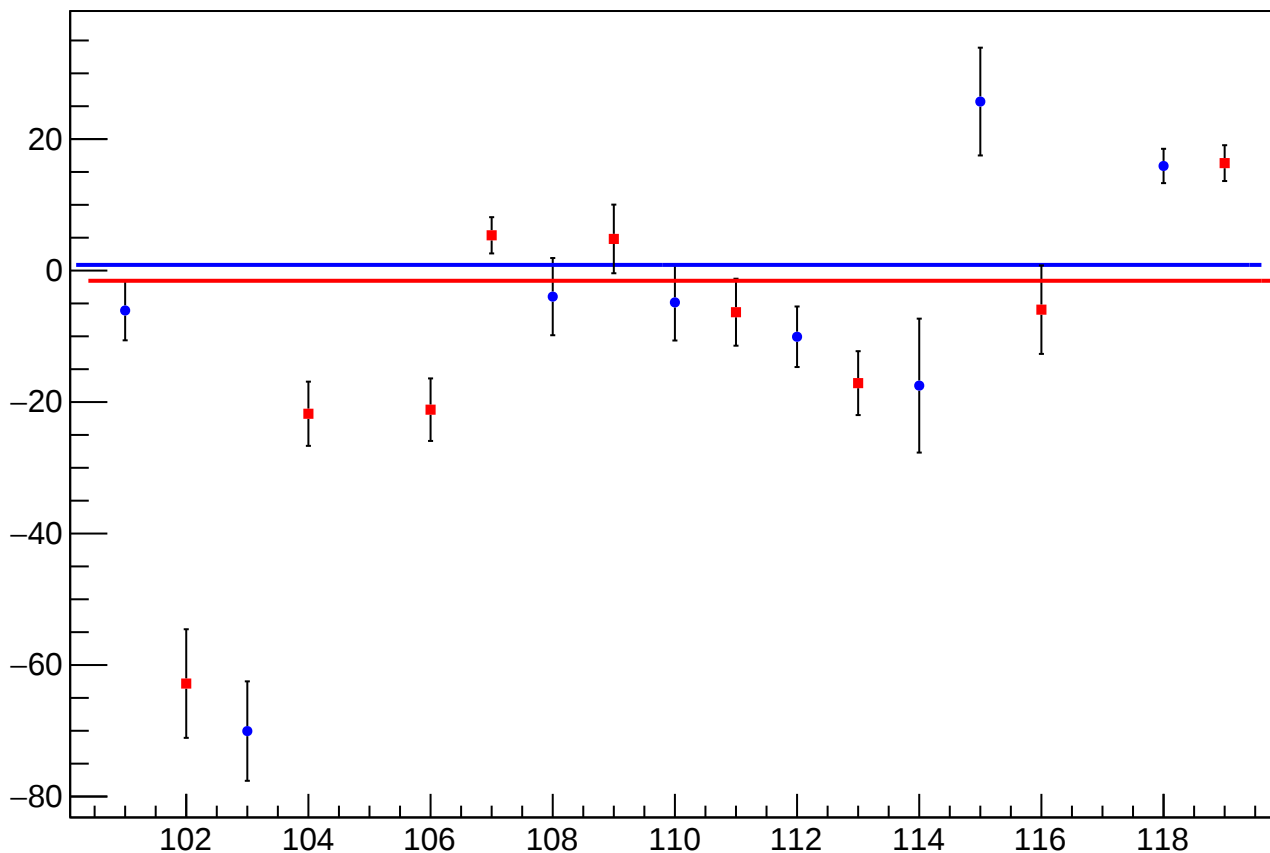
Right: 196.827+/-1.794  $\chi^2/\text{NDF}$ : 1079.5/16

In: 207.509+/-2.837  $\chi^2/\text{NDF}$ : 323.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 196.827+/-1.794  $\chi^2/\text{NDF}$ : 1079.5/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.864+/-1.707  $\chi^2/\text{NDF}$ : 143.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.552+/-1.405  $\chi^2/\text{NDF}$ : 151.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

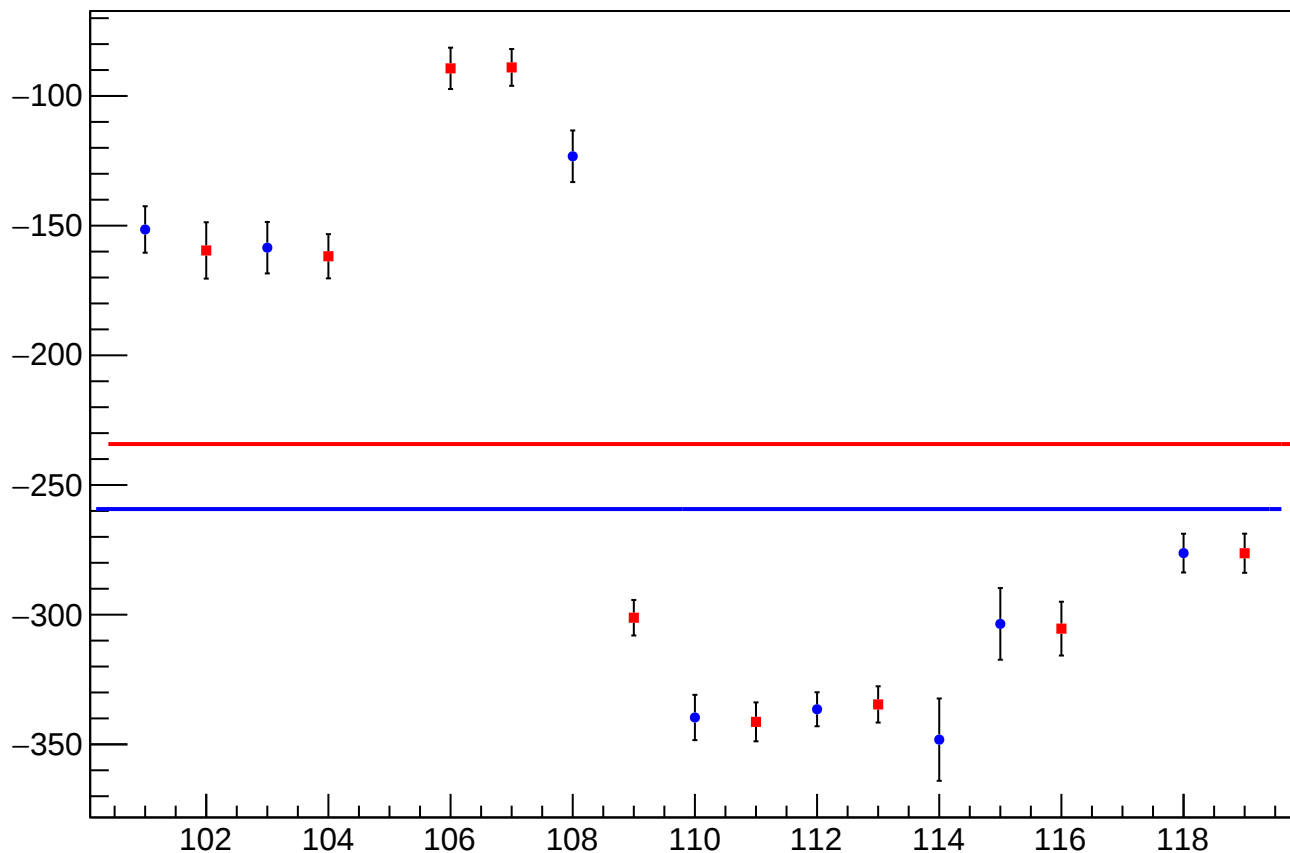
Right: -0.576+/-1.085  $\chi^2/\text{NDF}$ : 296.0/16

In: 0.864+/-1.707  $\chi^2/\text{NDF}$ : 143.2/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.576+/-1.085  $\chi^2/\text{NDF}$ : 296.0/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -259.279+/-3.224  $\chi^2/\text{NDF}$ : 704.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -234.217+/-2.633  $\chi^2/\text{NDF}$ : 1451.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

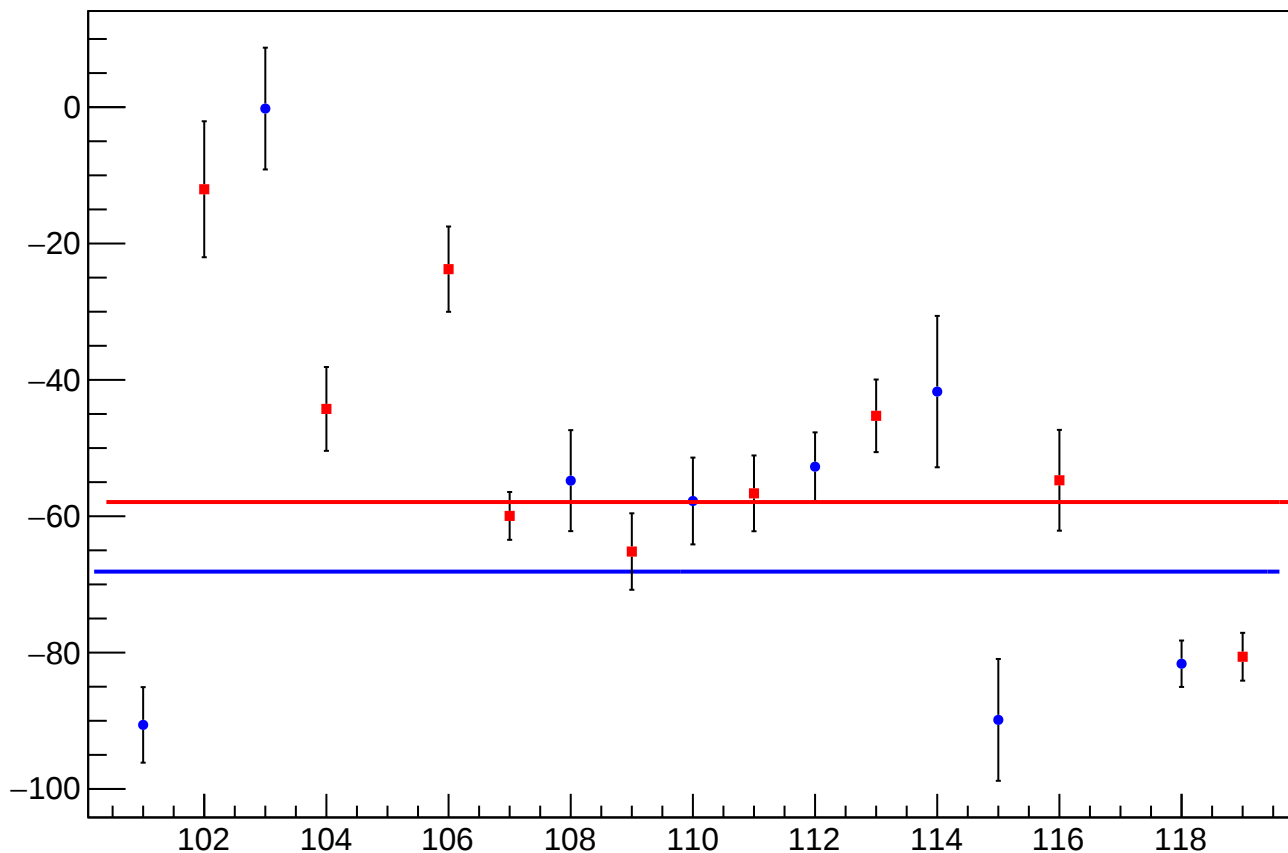
Right: -244.248+/-2.039  $\chi^2/\text{NDF}$ : 2192.1/16

In: -259.279+/-3.224  $\chi^2/\text{NDF}$ : 704.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -244.248+/-2.039  $\chi^2/\text{NDF}$ : 2192.1/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -68.121+/-2.065  $\chi^2/\text{NDF}$ : 116.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -57.917+/-1.709  $\chi^2/\text{NDF}$ : 105.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

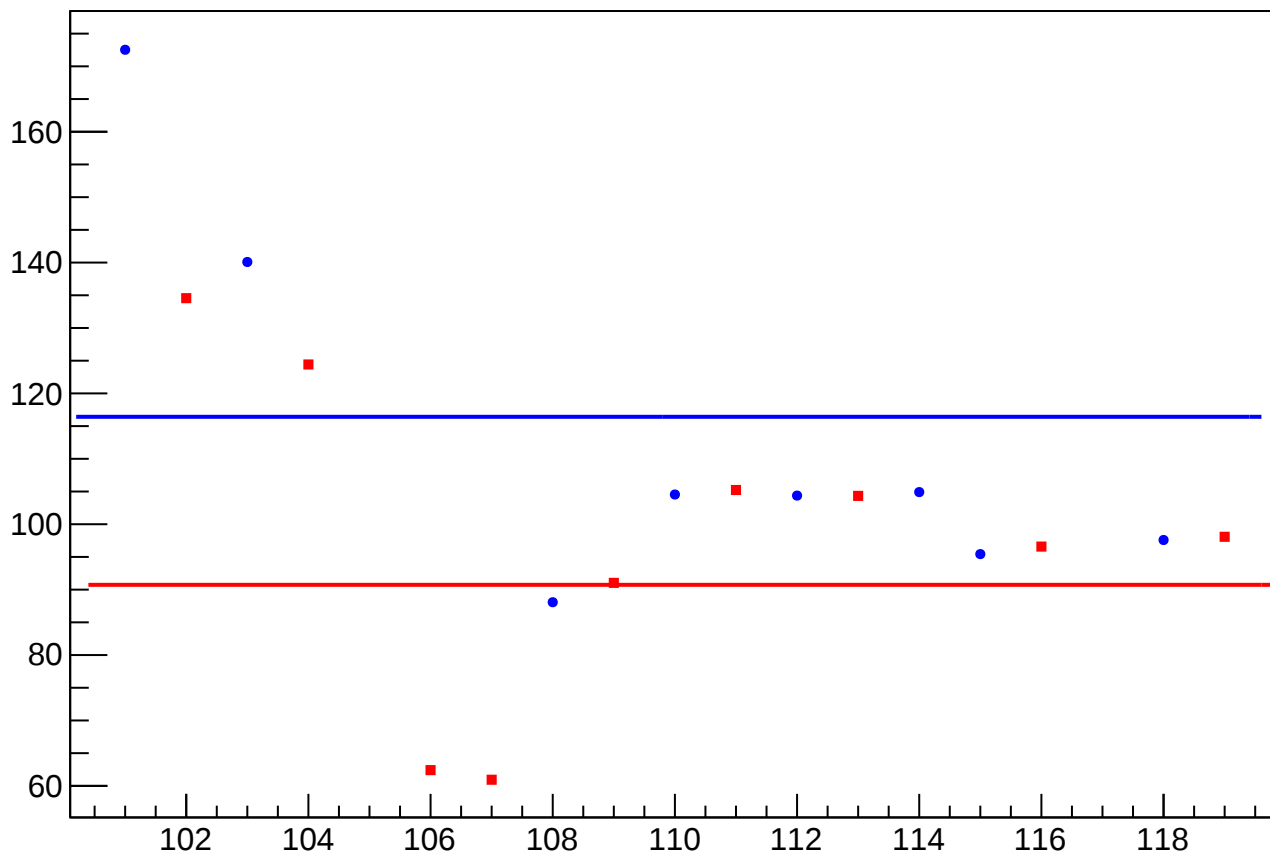
Right: -62.064+/-1.317  $\chi^2/\text{NDF}$ : 237.1/16

In: -68.121+/-2.065  $\chi^2/\text{NDF}$ : 116.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -62.064+/-1.317  $\chi^2/\text{NDF}$ : 237.1/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 116.422+/-0.111  $\chi^2/\text{NDF}$ : 64759.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 90.736+/-0.084  $\chi^2/\text{NDF}$ : 109054.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

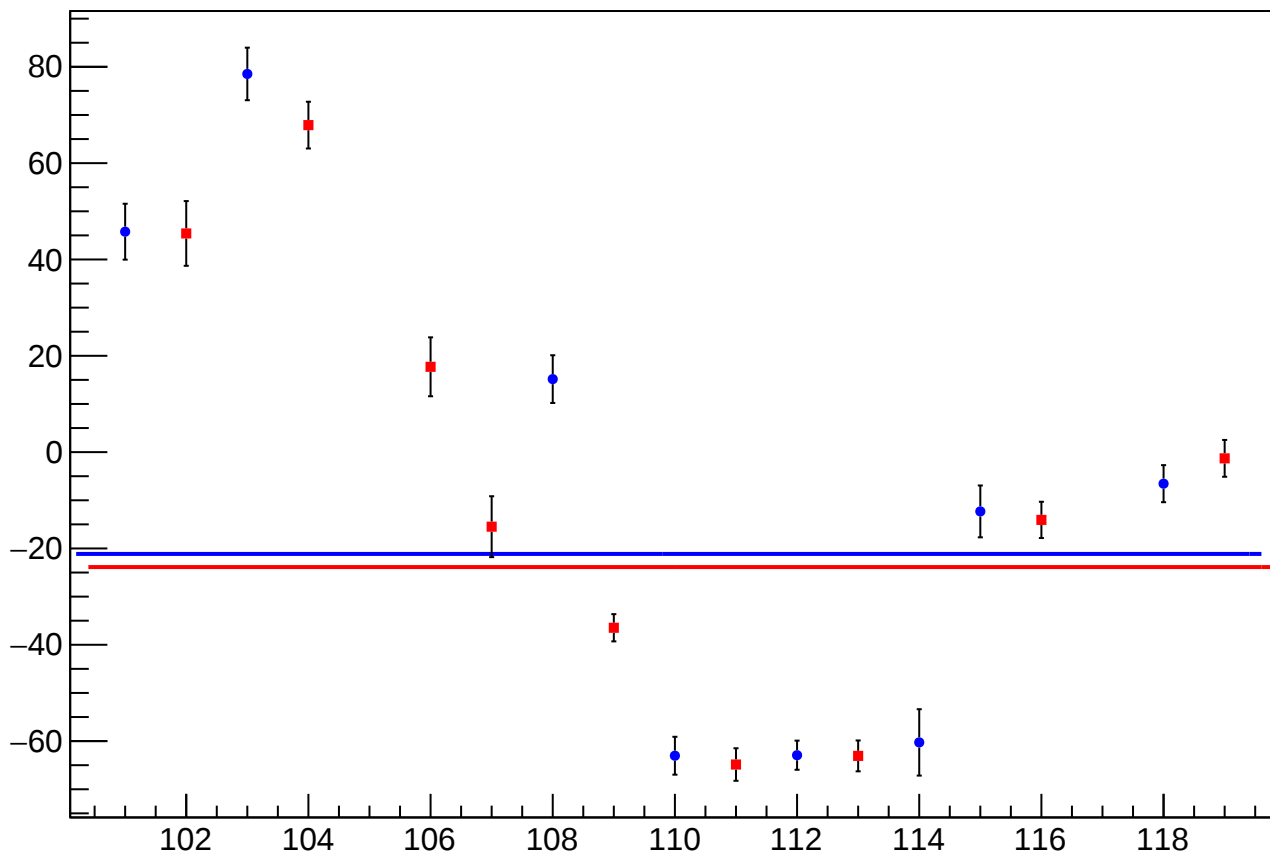
Right: 100.082+/-0.067  $\chi^2/\text{NDF}$ : 207601.6/16

In: 116.422+/-0.111  $\chi^2/\text{NDF}$ : 64759.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 100.082+/-0.067  $\chi^2/\text{NDF}$ : 207601.6/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.136+/-1.579  $\chi^2/\text{NDF}$ : 874.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -23.864+/-1.330  $\chi^2/\text{NDF}$ : 870.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

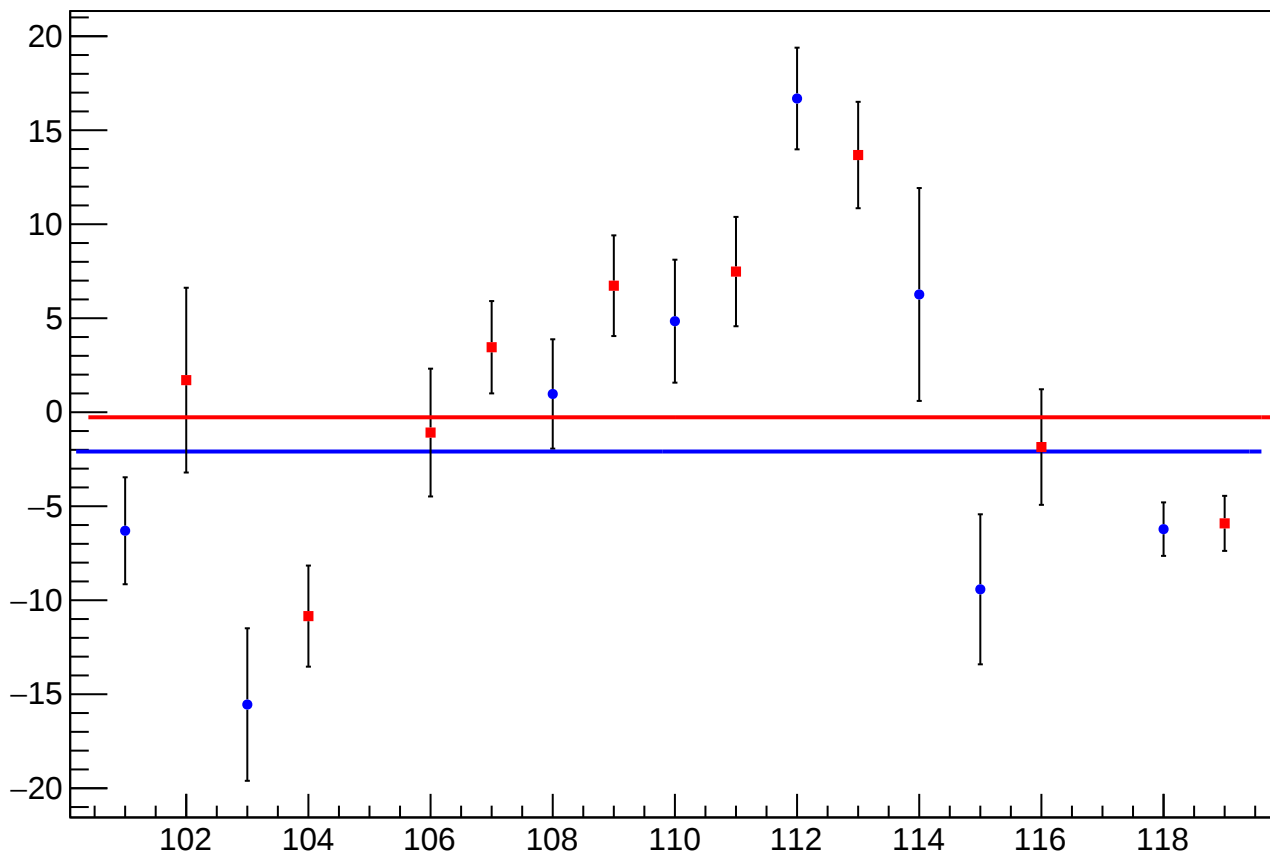
Right: -22.732+/-1.017  $\chi^2/\text{NDF}$ : 1746.0/16

In: -21.136+/-1.579  $\chi^2/\text{NDF}$ : 874.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -22.732+/-1.017  $\chi^2/\text{NDF}$ : 1746.0/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.089+/-0.945  $\chi^2/\text{NDF}$ : 81.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.269+/-0.849  $\chi^2/\text{NDF}$ : 71.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

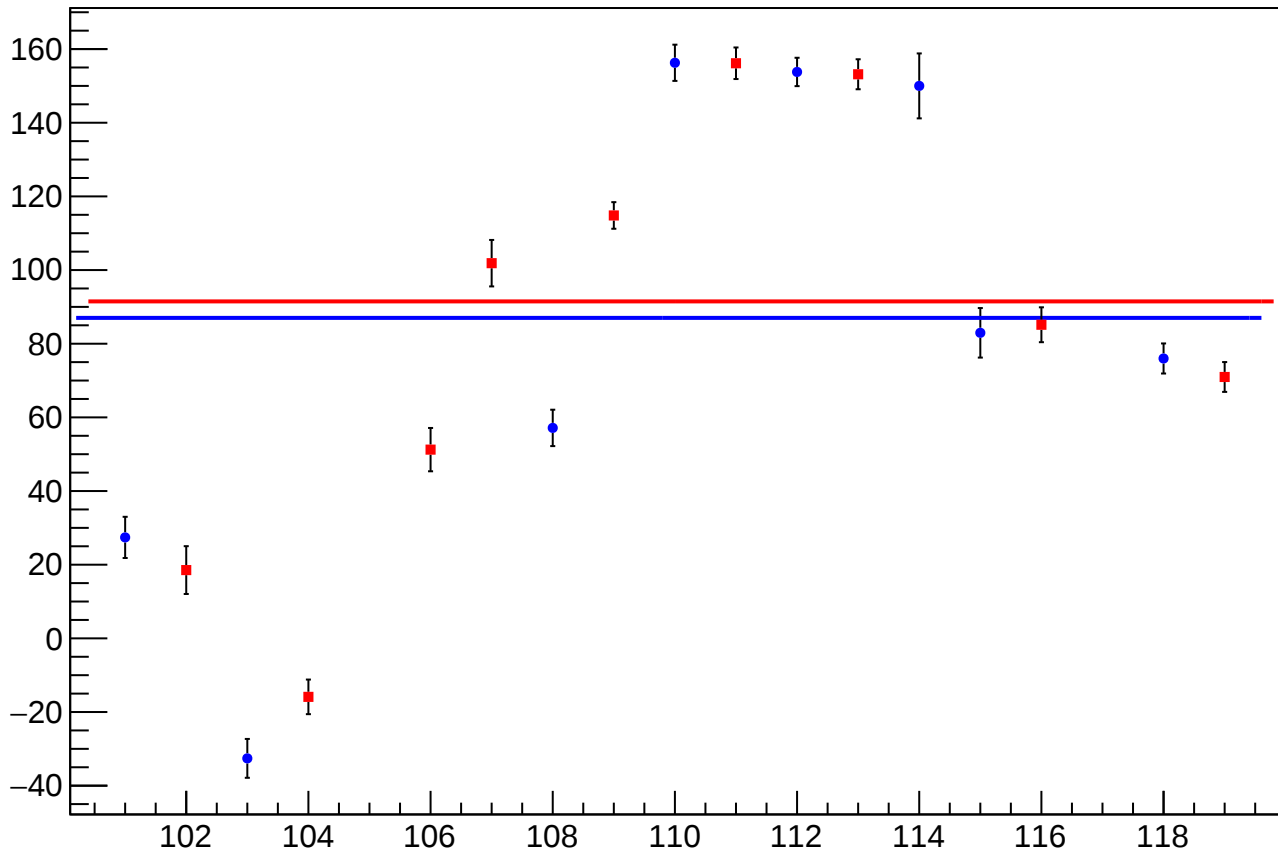
Right: -1.082+/-0.631  $\chi^2/\text{NDF}$ : 154.4/16

In: -2.089+/-0.945  $\chi^2/\text{NDF}$ : 81.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.082+/-0.631  $\chi^2/\text{NDF}$ : 154.4/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 87.015+/-1.788  $\chi^2/\text{NDF}$ : 1221.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 91.489+/-1.543  $\chi^2/\text{NDF}$ : 1224.4/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

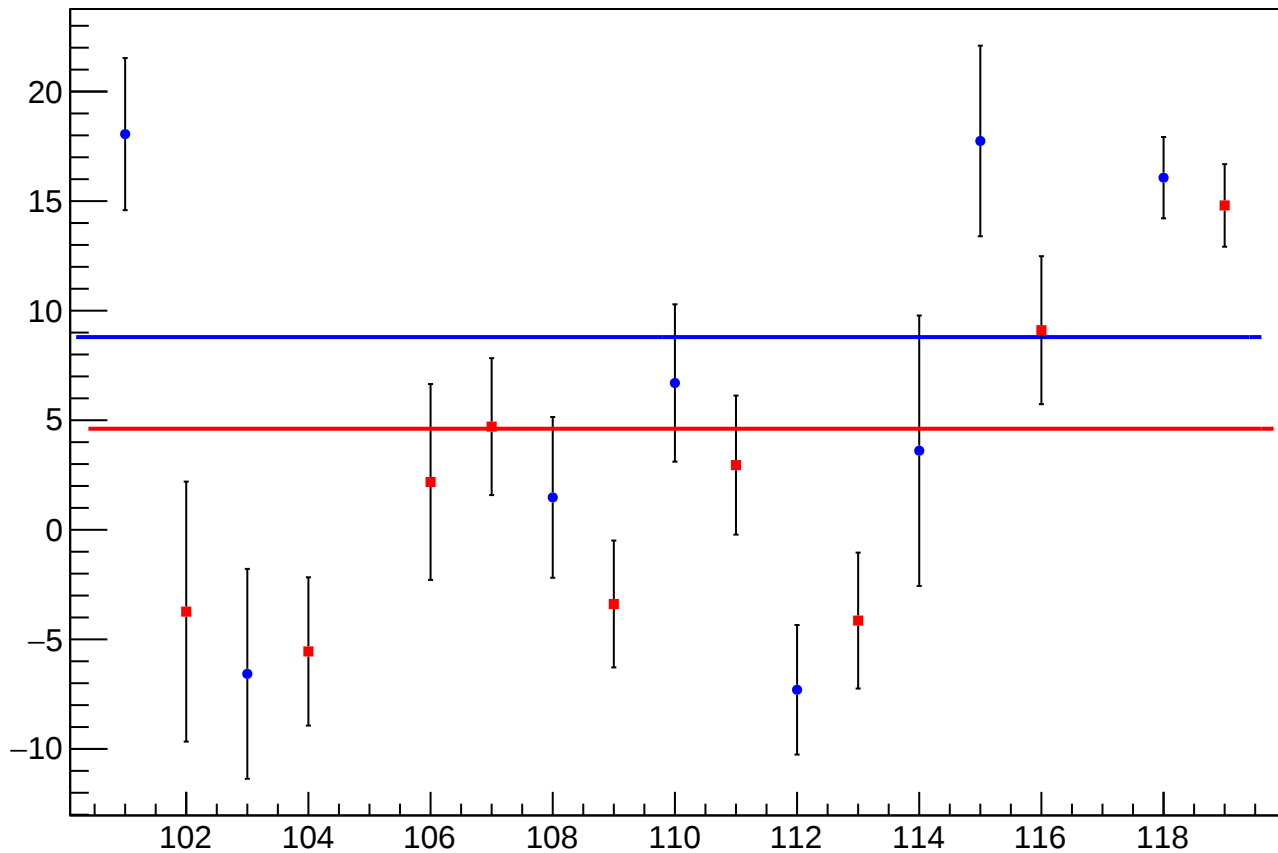
Right: 89.580+/-1.168  $\chi^2/\text{NDF}$ : 2449.7/16

In: 87.015+/-1.788  $\chi^2/\text{NDF}$ : 1221.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 89.580+/-1.168  $\chi^2/\text{NDF}$ : 2449.7/16

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.795+/-1.145  $\chi^2/\text{NDF}$ : 71.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.613+/-1.020  $\chi^2/\text{NDF}$ : 58.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

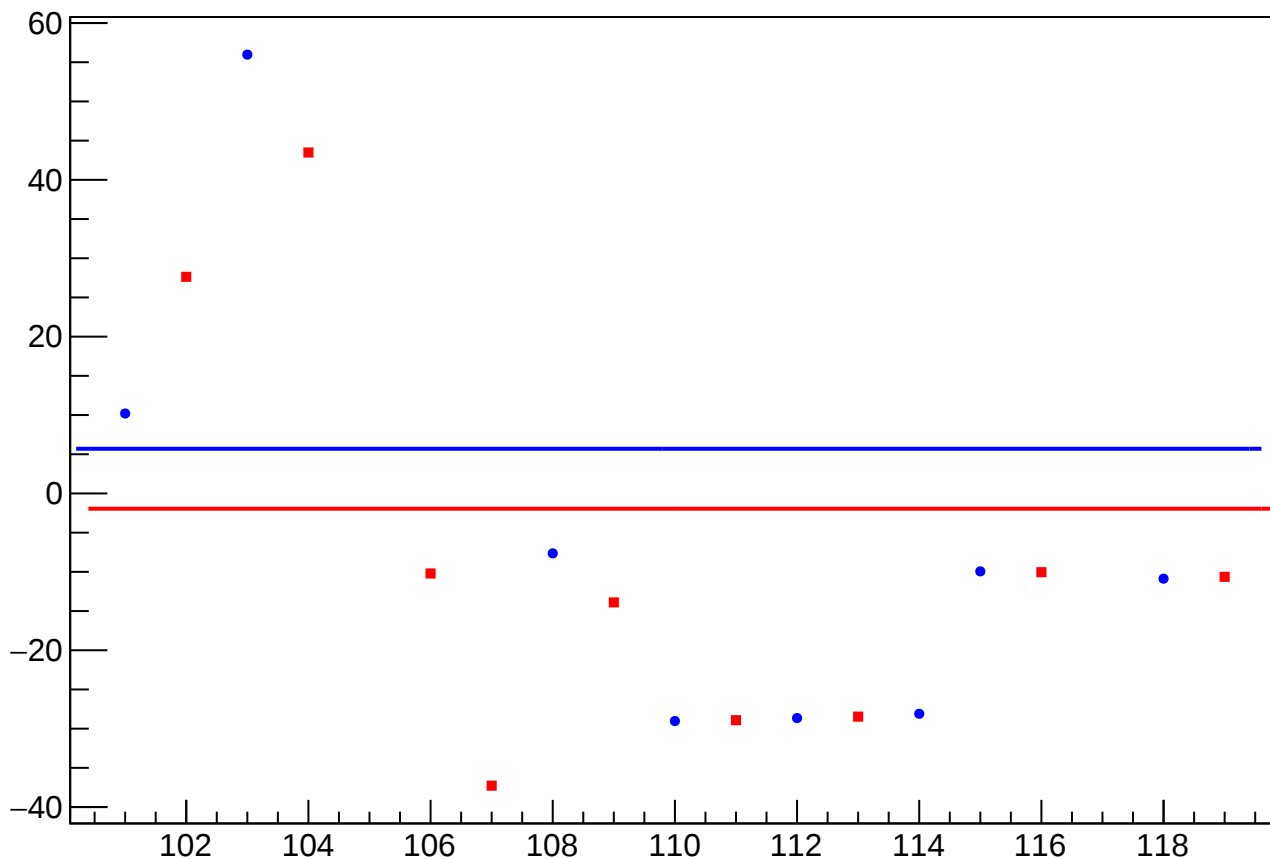
Right: 6.464+/-0.762  $\chi^2/\text{NDF}$ : 137.3/16

In: 8.795+/-1.145  $\chi^2/\text{NDF}$ : 71.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.464+/-0.762  $\chi^2/\text{NDF}$ : 137.3/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 5.701+/-0.060  $\chi^2/\text{NDF}$ : 271980.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.944+/-0.053  $\chi^2/\text{NDF}$ : 293485.8/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

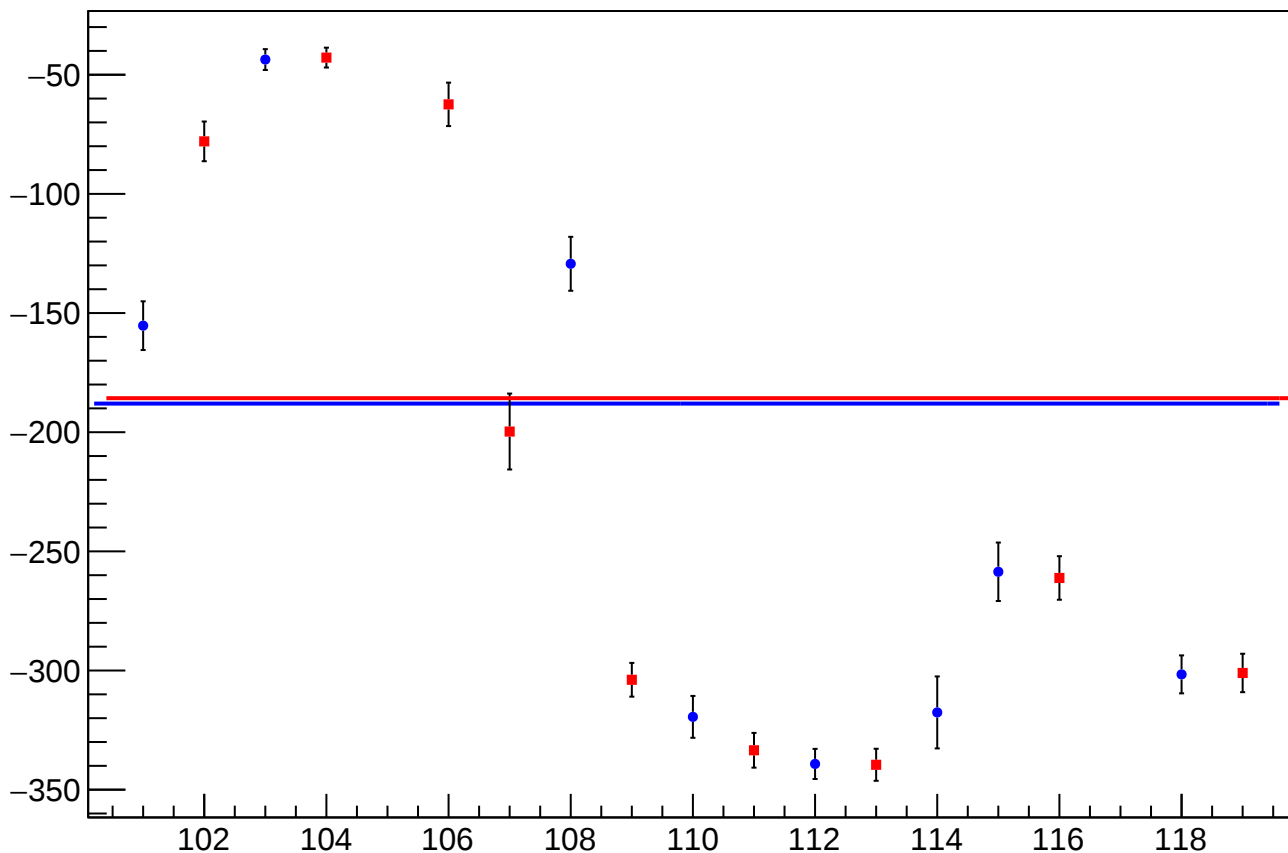
Right: 1.410+/-0.040  $\chi^2/\text{NDF}$ : 574537.6/16

In: 5.701+/-0.060  $\chi^2/\text{NDF}$ : 271980.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.410+/-0.040  $\chi^2/\text{NDF}$ : 574537.6/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -187.987+/-2.726  $\chi^2$ /NDF: 2235.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -185.727+/-2.382  $\chi^2$ /NDF: 3013.1/8

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

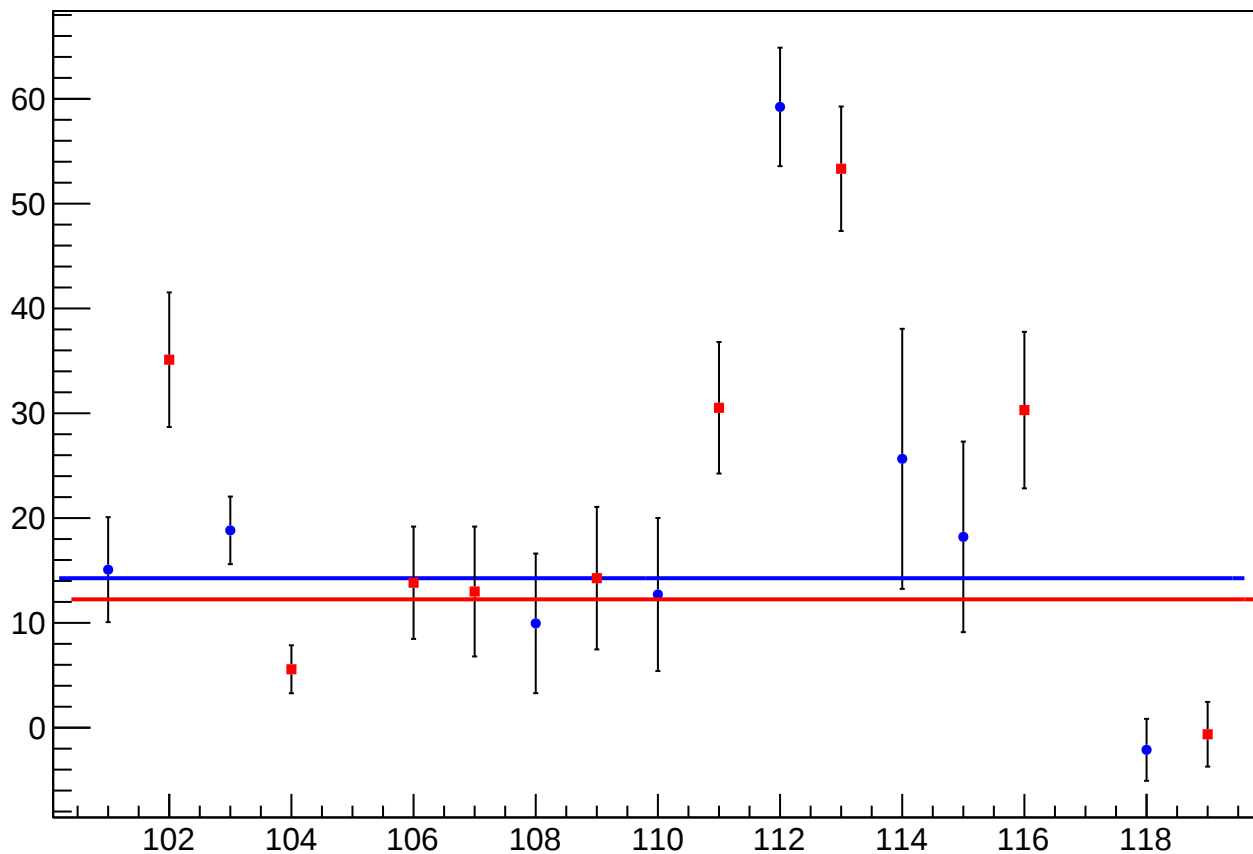
Right: -186.705+/-1.794  $\chi^2$ /NDF: 5249.0/16

In: -187.987+/-2.726  $\chi^2$ /NDF:2235.5/7

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -186.705+/-1.794  $\chi^2$ /NDF: 5249.0/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.262+/-1.711  $\chi^2/\text{NDF}$ : 97.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.247+/-1.452  $\chi^2/\text{NDF}$ : 101.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

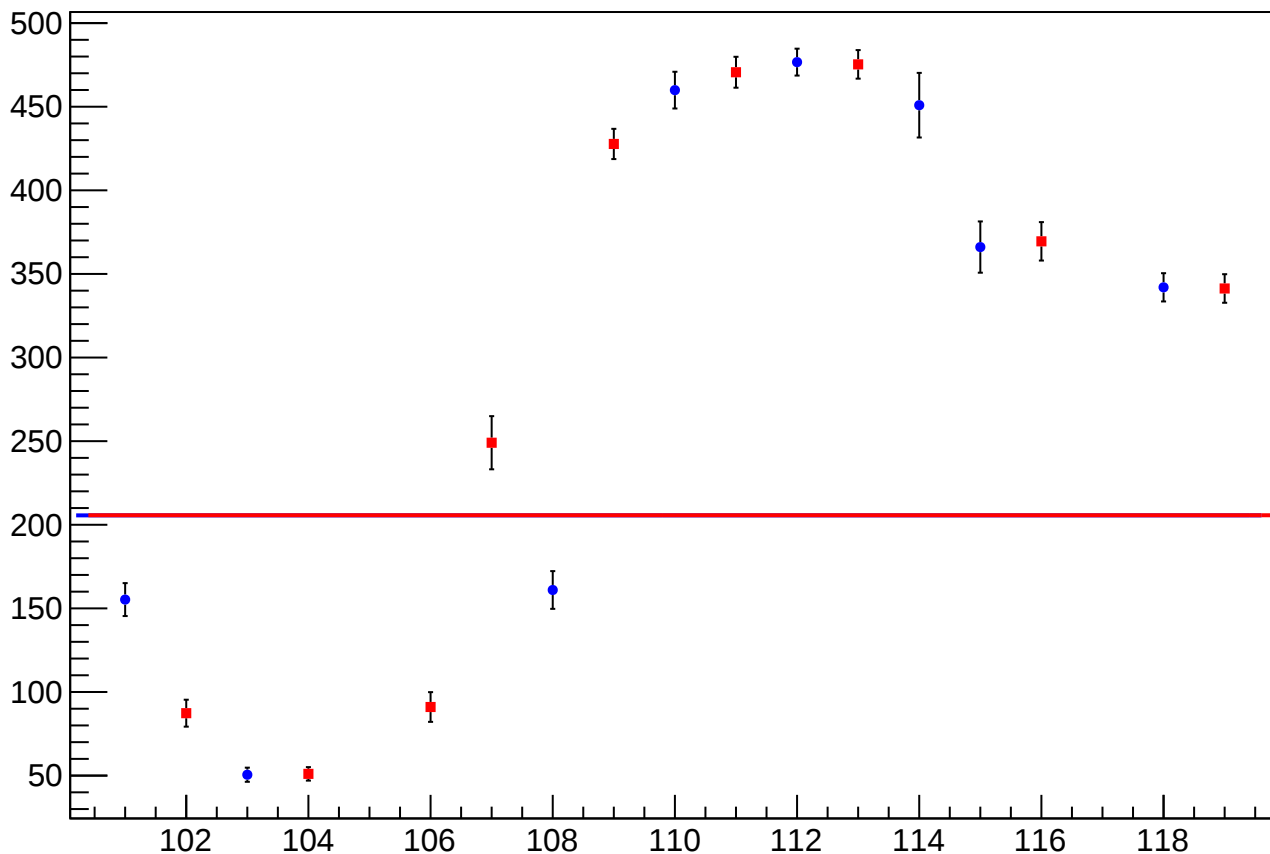
Right: 13.091+/-1.107  $\chi^2/\text{NDF}$ : 199.3/16

In: 14.262+/-1.711  $\chi^2/\text{NDF}$ : 97.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.091+/-1.107  $\chi^2/\text{NDF}$ : 199.3/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 205.622+/-2.901  $\chi^2/\text{NDF}$ : 3590.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 205.690+/-2.562  $\chi^2/\text{NDF}$ : 4735.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

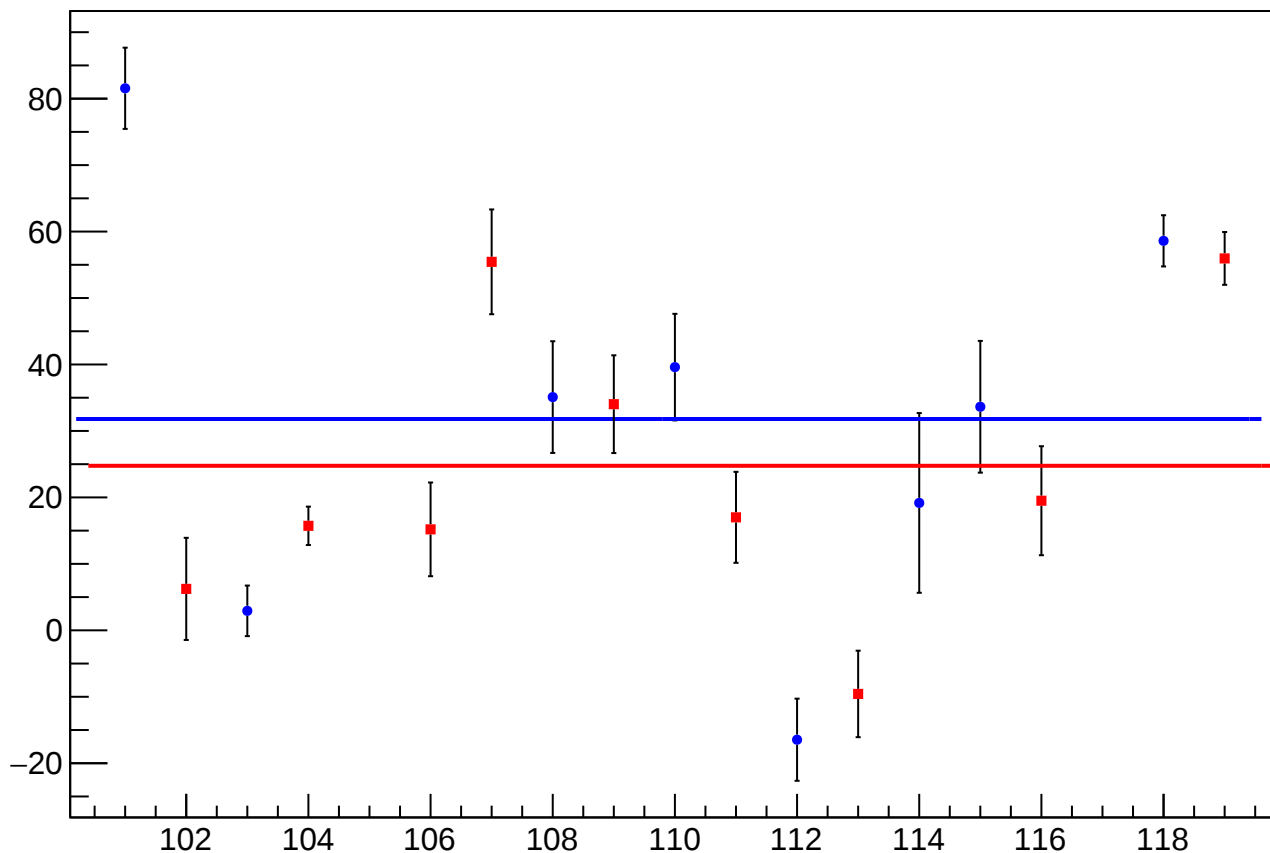
Right: 205.660+/-1.920  $\chi^2/\text{NDF}$ : 8325.7/16

In: 205.622+/-2.901  $\chi^2/\text{NDF}$ : 3590.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 205.660+/-1.920  $\chi^2/\text{NDF}$ : 8325.7/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 31.797 $\pm$ 2.064  $\chi^2$ /NDF: 235.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.757 $\pm$ 1.783  $\chi^2$ /NDF: 125.4/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

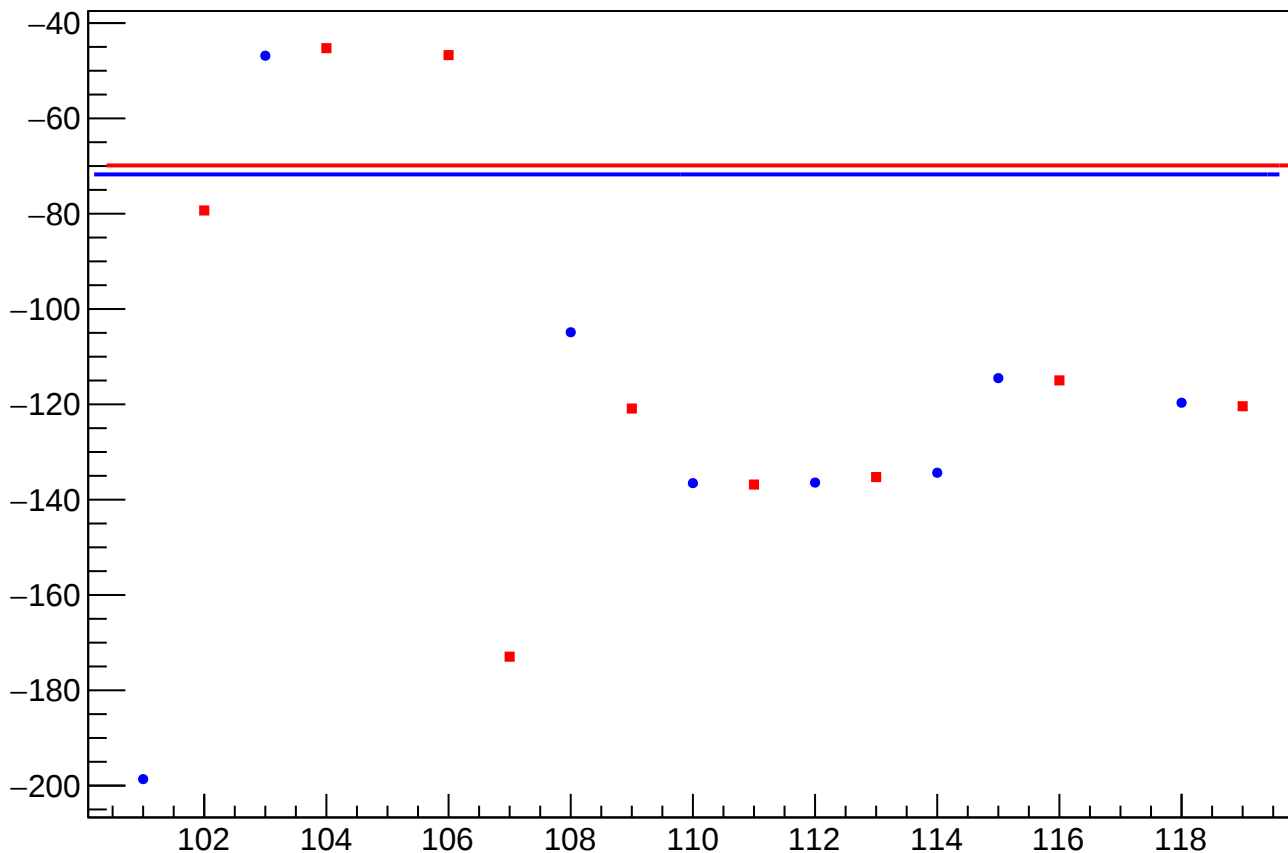
Right: 27.765 $\pm$ 1.349  $\chi^2$ /NDF: 367.3/16

In: 31.797 $\pm$ 2.064  $\chi^2$ /NDF:235.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 27.765 $\pm$ 1.349  $\chi^2$ /NDF: 367.3/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -71.754+/-0.080  $\chi^2/\text{NDF}$ : 285845.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -69.871+/-0.074  $\chi^2/\text{NDF}$ : 249366.2/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

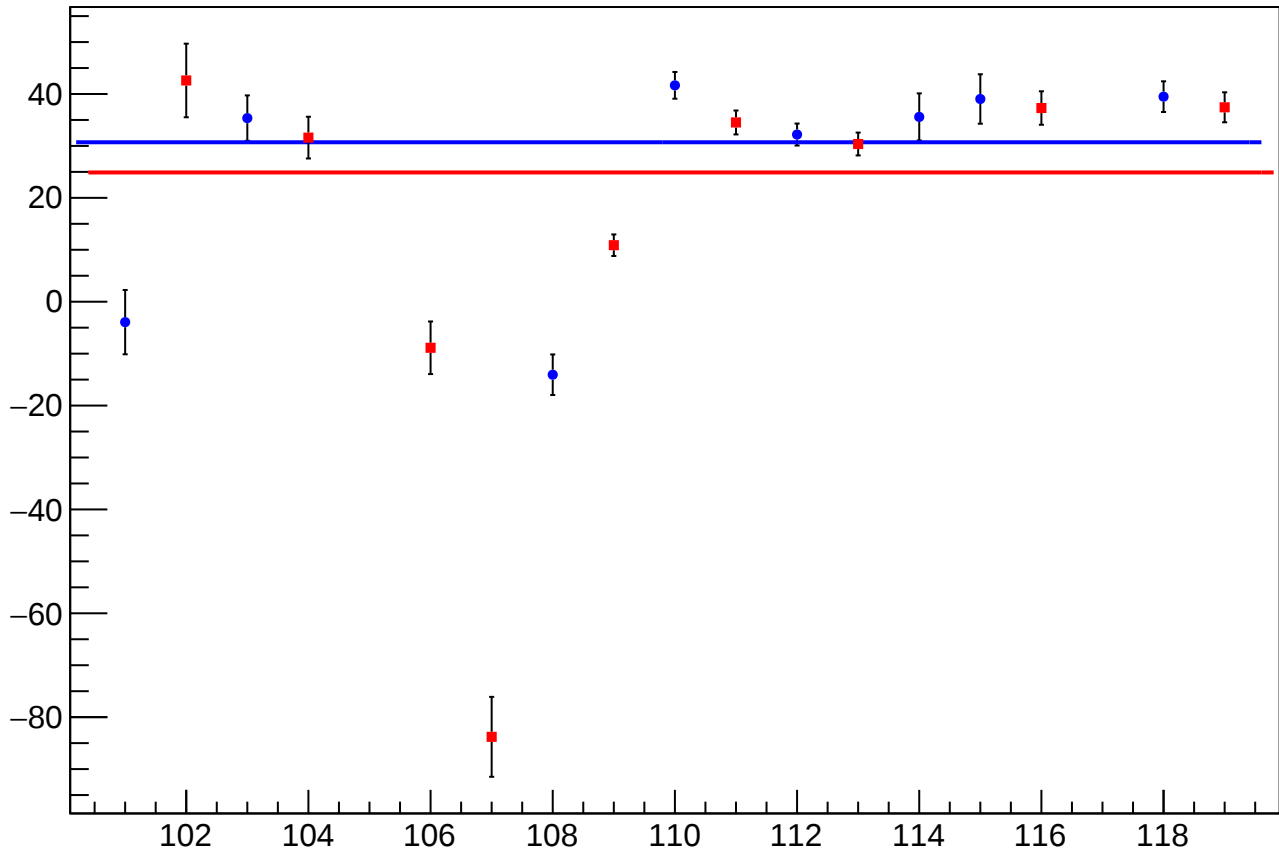
Right: -70.741+/-0.054  $\chi^2/\text{NDF}$ : 535509.8/16

In: -71.754+/-0.080  $\chi^2/\text{NDF}$ : 285845.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -70.741+/-0.054  $\chi^2/\text{NDF}$ : 535509.8/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 30.704+/-1.174  $\chi^2/\text{NDF}$ : 195.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 24.891+/-1.010  $\chi^2/\text{NDF}$ : 355.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

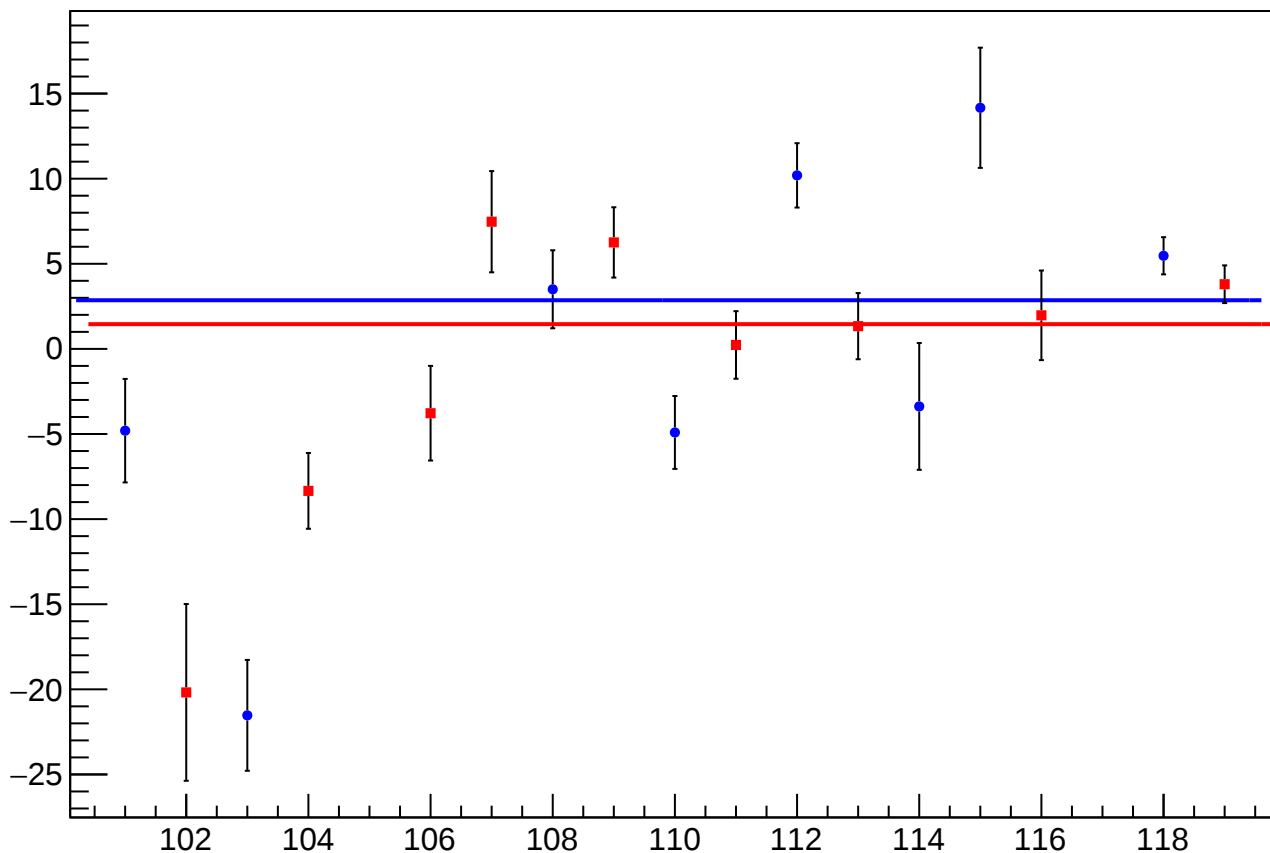
Right: 27.362+/-0.766  $\chi^2/\text{NDF}$ : 565.3/16

In: 30.704+/-1.174  $\chi^2/\text{NDF}$ : 195.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.362+/-0.766  $\chi^2/\text{NDF}$ : 565.3/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.858+/-0.729  $\chi^2/\text{NDF}$ : 109.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.453+/-0.675  $\chi^2/\text{NDF}$ : 54.7/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

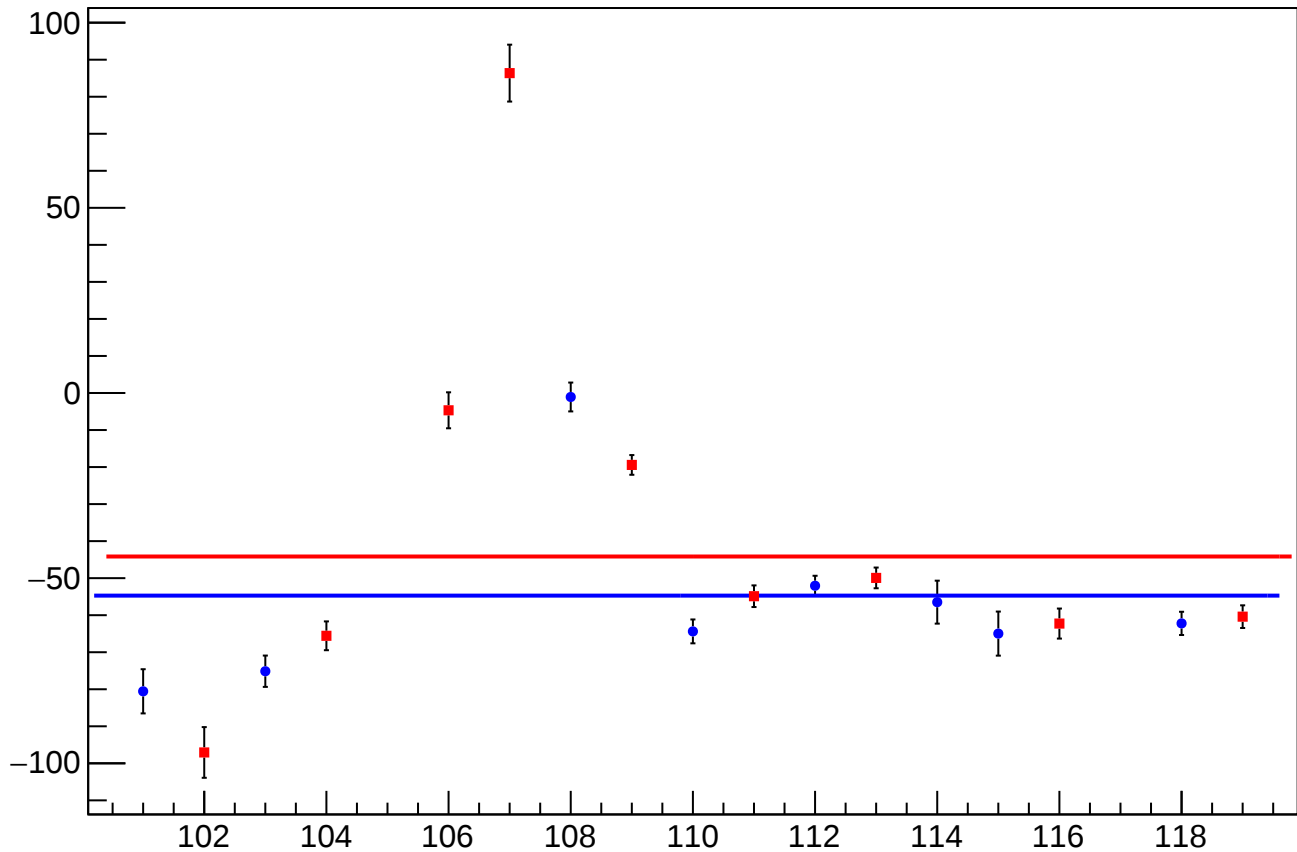
Right: 2.102+/-0.495  $\chi^2/\text{NDF}$ : 166.2/16

In: 2.858+/-0.729  $\chi^2/\text{NDF}$ : 109.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.102+/-0.495  $\chi^2/\text{NDF}$ : 166.2/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.715 $\pm$ 1.357  $\chi^2$ /NDF: 250.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -44.152 $\pm$ 1.195  $\chi^2$ /NDF: 596.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

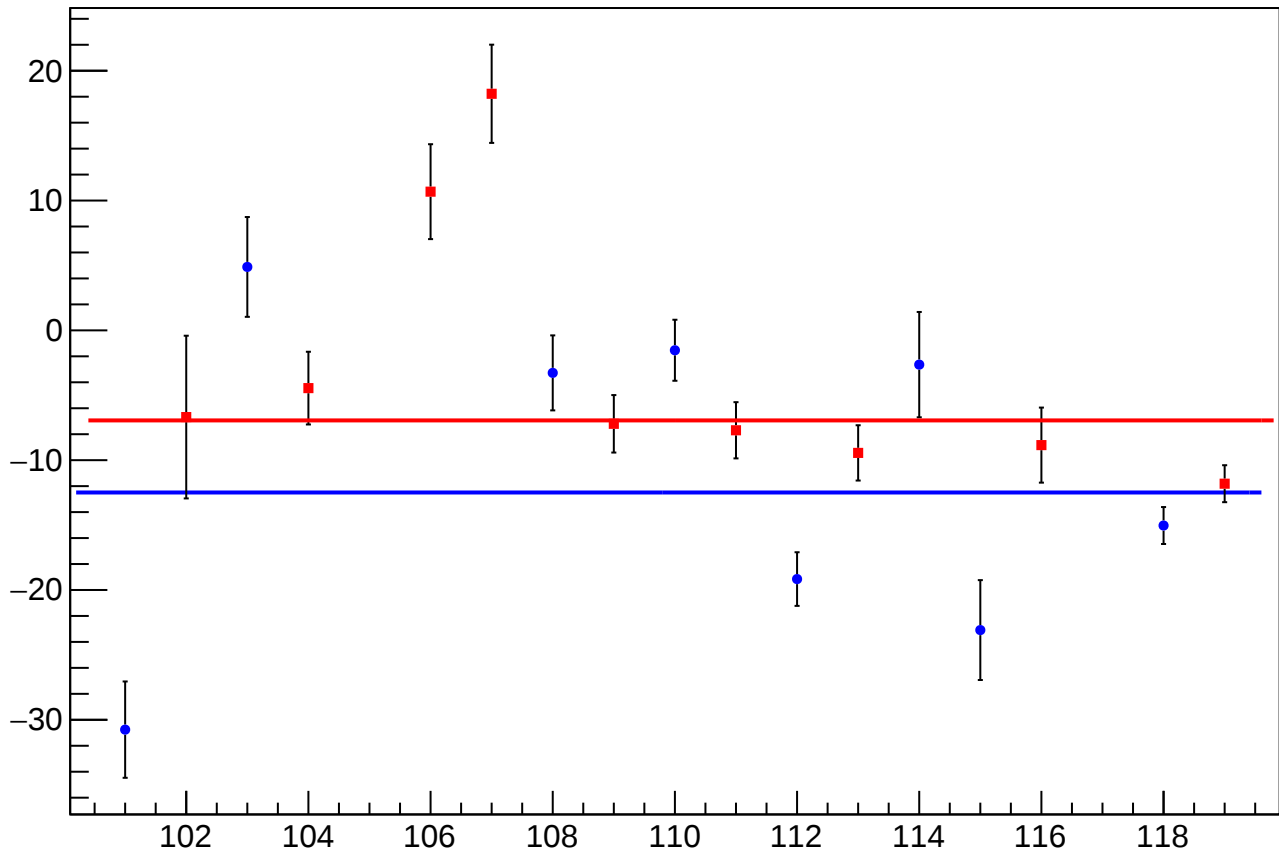
Right: -48.768 $\pm$ 0.897  $\chi^2$ /NDF: 881.4/16

In: -54.715 $\pm$ 1.357  $\chi^2$ /NDF:250.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -48.768 $\pm$ 0.897  $\chi^2$ /NDF: 881.4/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -12.489 $\pm$ 0.878  $\chi^2$ /NDF: 103.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -6.937 $\pm$ 0.804  $\chi^2$ /NDF: 81.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

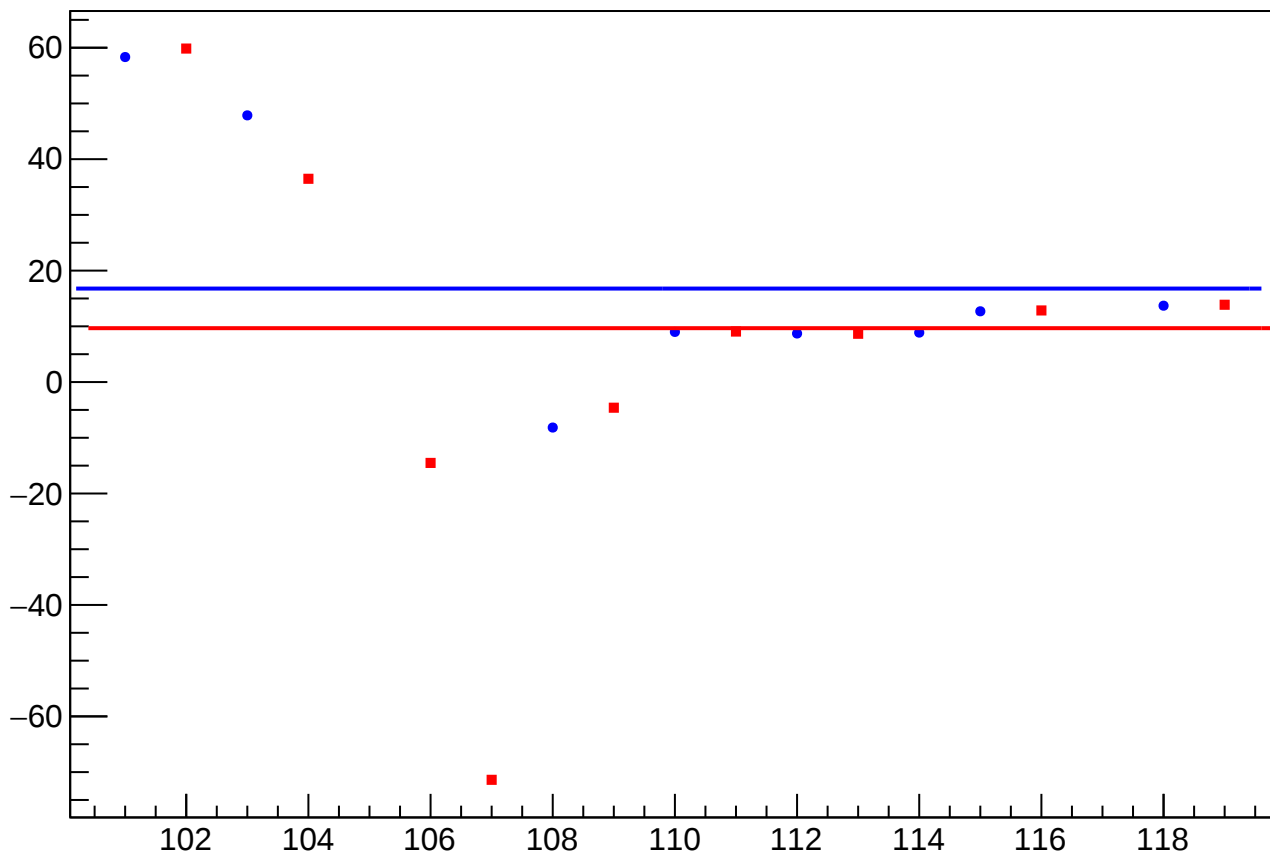
Right: -9.469 $\pm$ 0.593  $\chi^2$ /NDF: 207.4/16

In: -12.489 $\pm$ 0.878  $\chi^2$ /NDF:103.7/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -9.469 $\pm$ 0.593  $\chi^2$ /NDF: 207.4/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.779+/-0.047  $\chi^2/\text{NDF}$ : 232093.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.669+/-0.044  $\chi^2/\text{NDF}$ : 432144.9/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

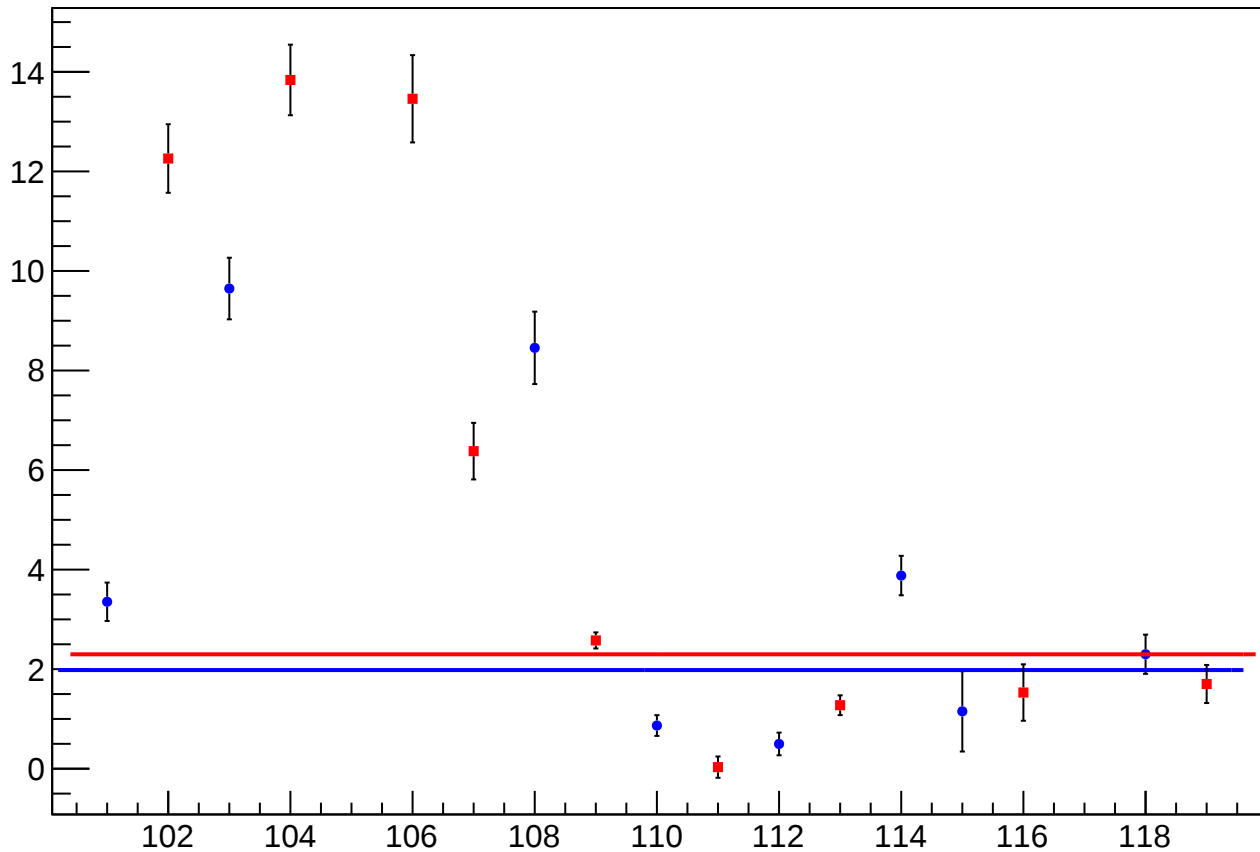
Right: 13.004+/-0.032  $\chi^2/\text{NDF}$ : 676375.6/16

In: 16.779+/-0.047  $\chi^2/\text{NDF}$ : 232093.8/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.004+/-0.032  $\chi^2/\text{NDF}$ : 676375.6/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.982+/-0.121  $\chi^2/\text{NDF}$ : 341.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.299+/-0.098  $\chi^2/\text{NDF}$ : 833.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

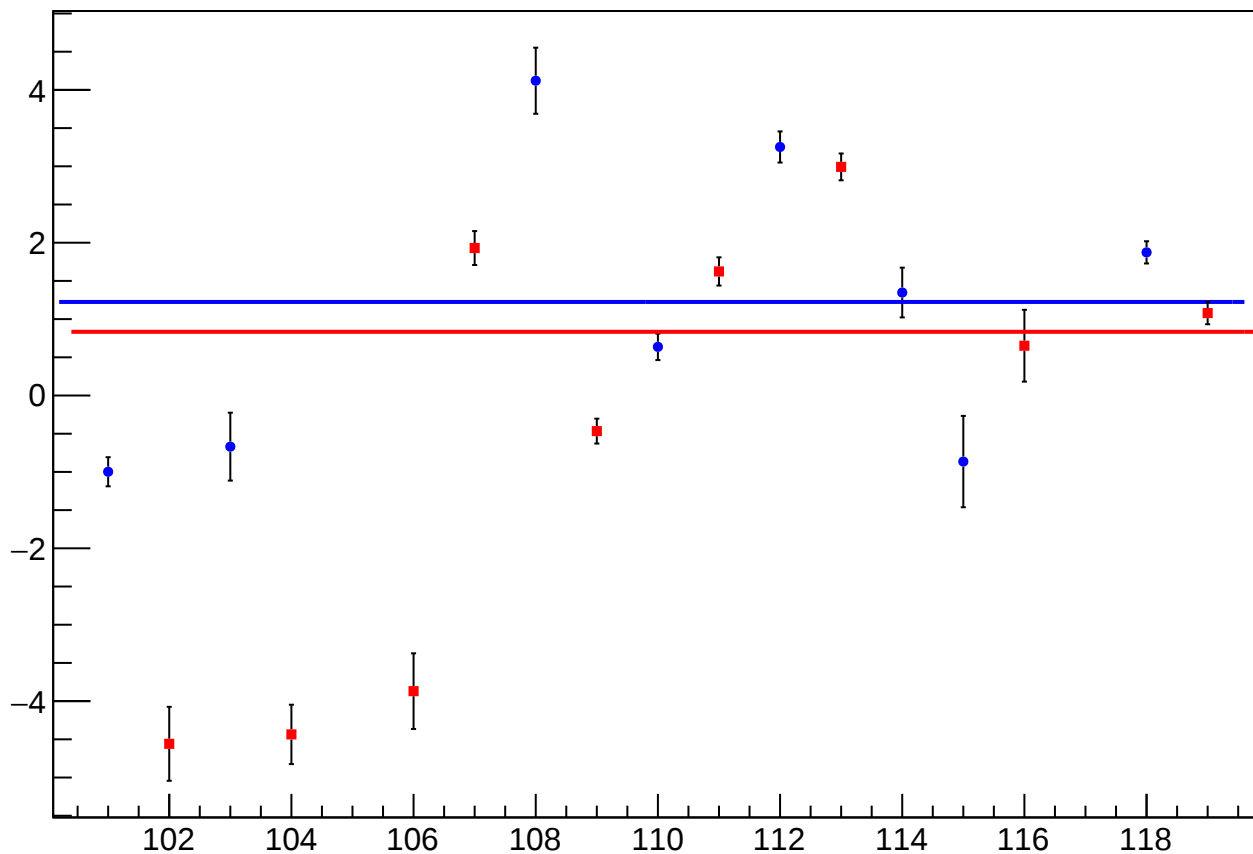
Right: 2.173+/-0.076  $\chi^2/\text{NDF}$ : 1178.7/16

In: 1.982+/-0.121  $\chi^2/\text{NDF}$ : 341.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.173+/-0.076  $\chi^2/\text{NDF}$ : 1178.7/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.225+/-0.080  $\chi^2/\text{NDF}$ : 342.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.834+/-0.073  $\chi^2/\text{NDF}$ : 659.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

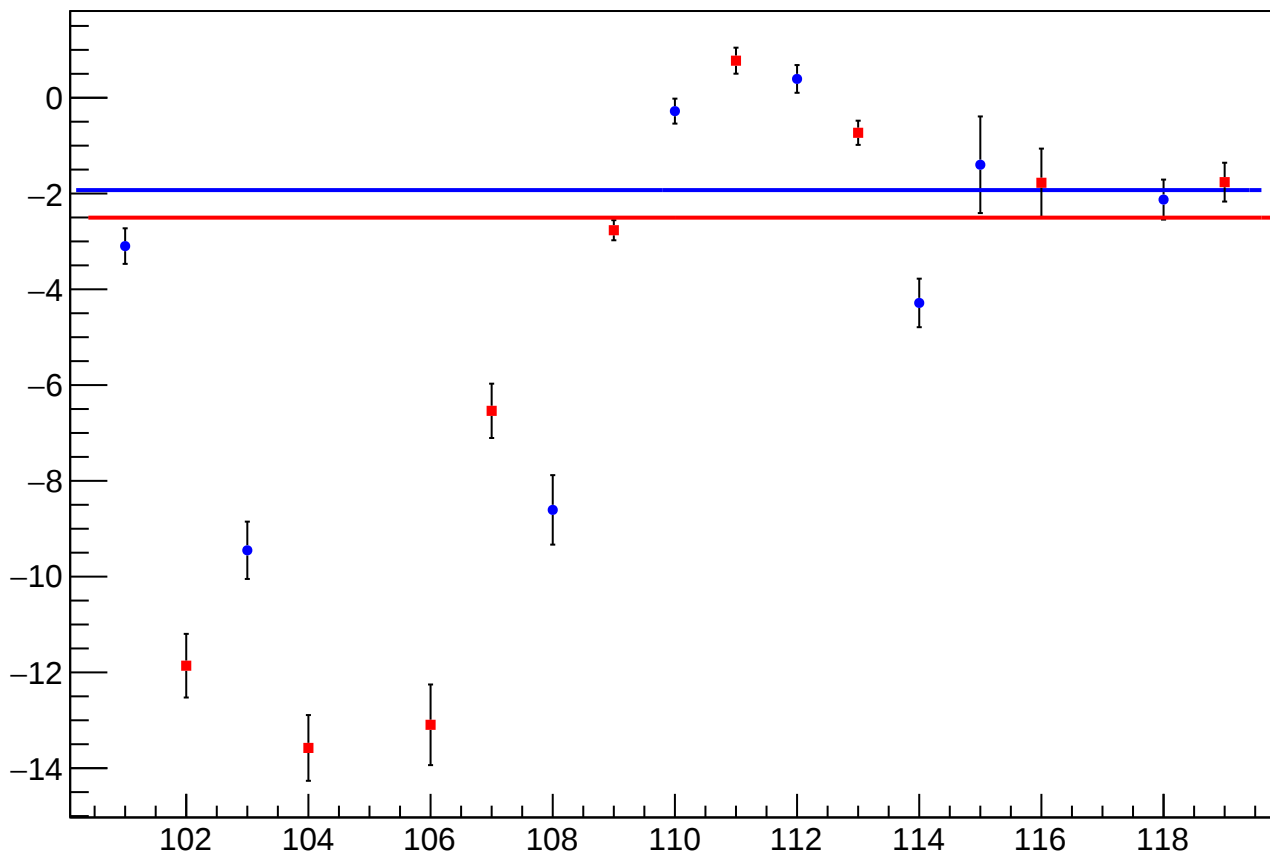
Right: 1.011+/-0.054  $\chi^2/\text{NDF}$ : 1014.1/16

In: 1.225+/-0.080  $\chi^2/\text{NDF}$ : 342.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.011+/-0.054  $\chi^2/\text{NDF}$ : 1014.1/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.928+/-0.143  $\chi^2/\text{NDF}$ : 378.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.503+/-0.121  $\chi^2/\text{NDF}$ : 868.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

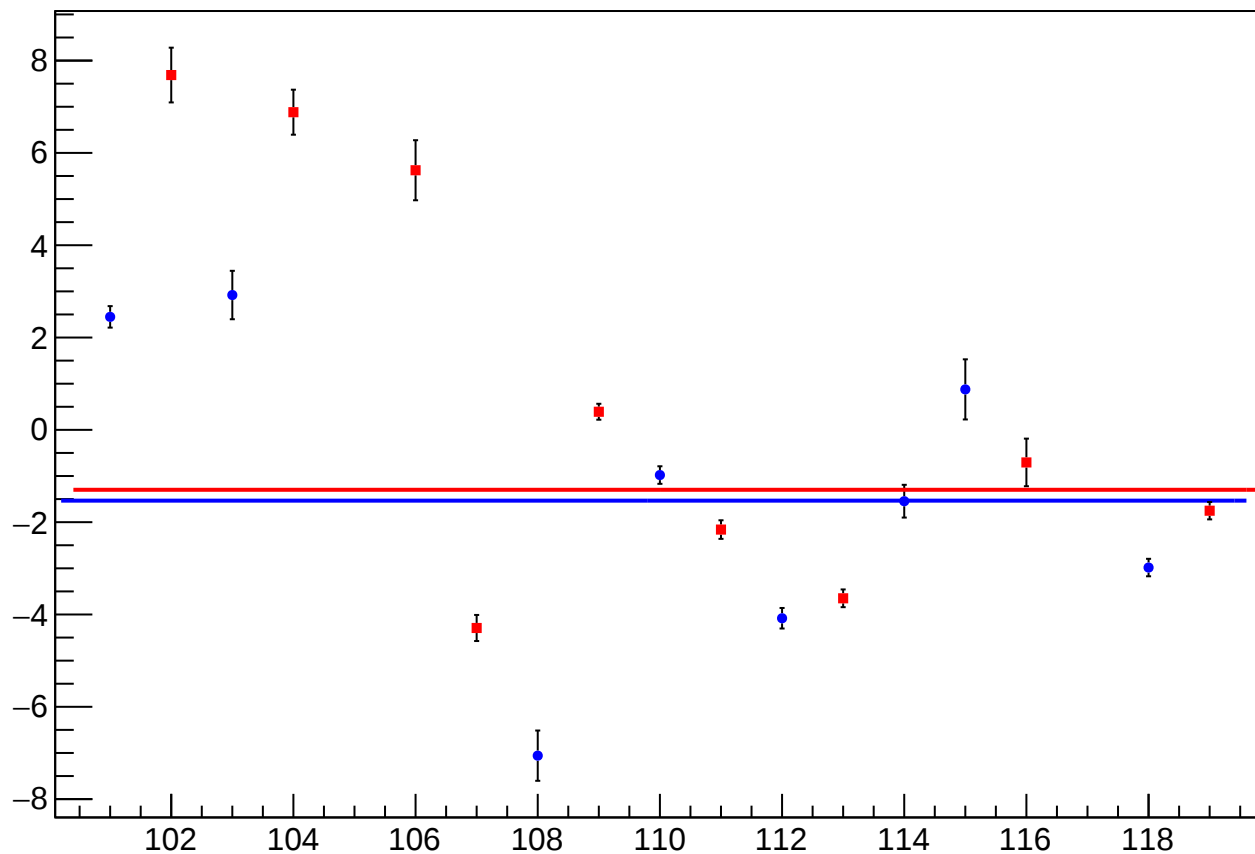
Right: -2.264+/-0.092  $\chi^2/\text{NDF}$ : 1256.5/16

In: -1.928+/-0.143  $\chi^2/\text{NDF}$ : 378.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.264+/-0.092  $\chi^2/\text{NDF}$ : 1256.5/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.534 $\pm$ 0.095  $\chi^2$ /NDF: 679.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.298 $\pm$ 0.085  $\chi^2$ /NDF: 1007.8/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

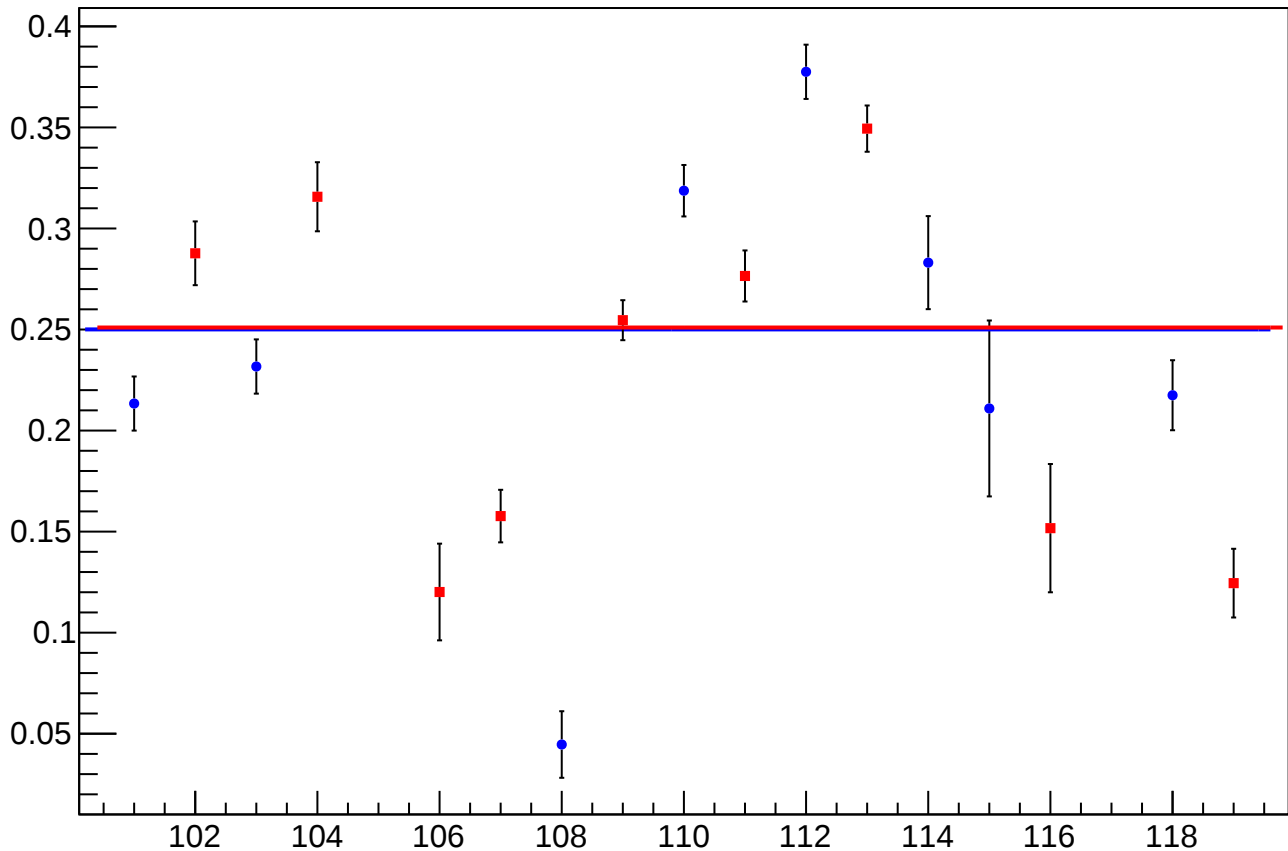
Right: -1.403 $\pm$ 0.063  $\chi^2$ /NDF: 1690.8/16

In: -1.534 $\pm$ 0.095  $\chi^2$ /NDF:679.5/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -1.403 $\pm$ 0.063  $\chi^2$ /NDF: 1690.8/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.250+/-0.006  $\chi^2/\text{NDF}$ : 290.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.251+/-0.005  $\chi^2/\text{NDF}$ : 244.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

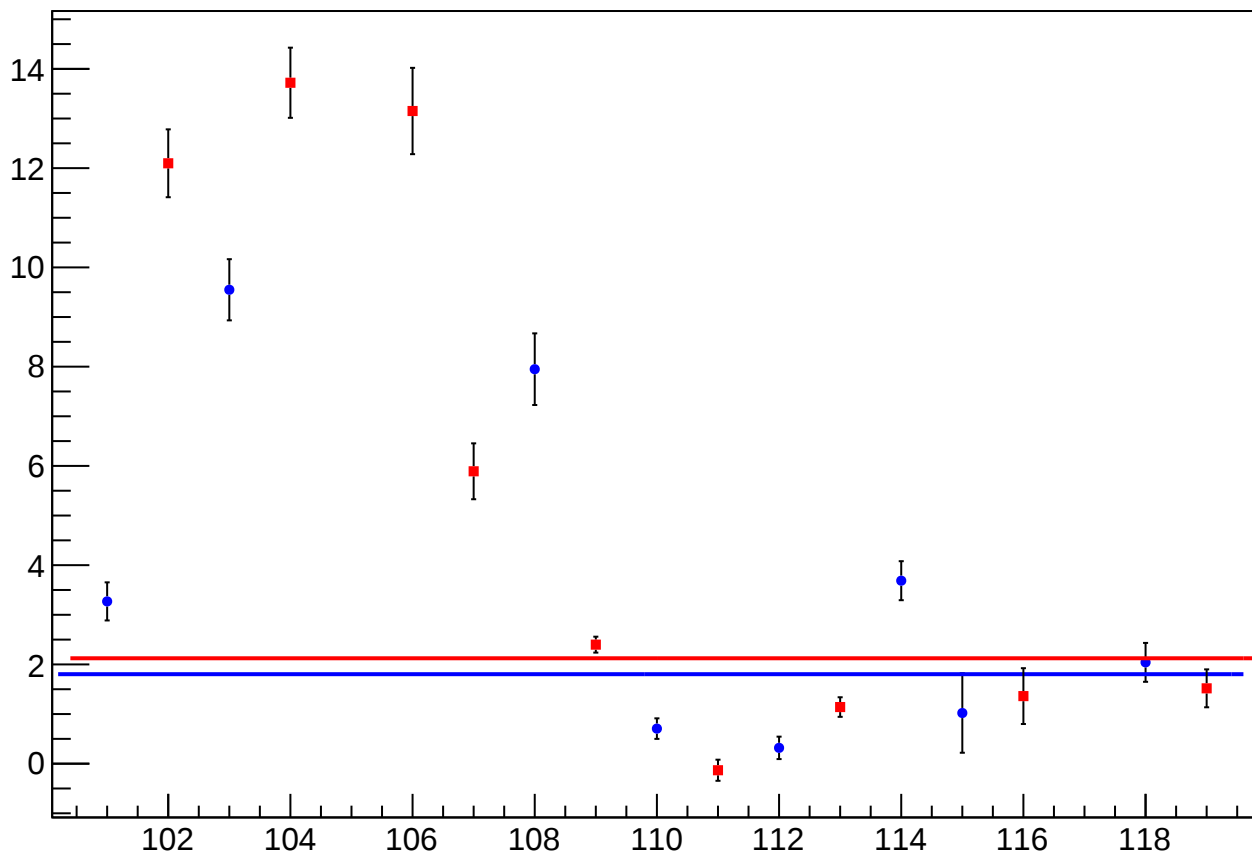
Right: 0.251+/-0.004  $\chi^2/\text{NDF}$ : 535.0/16

In: 0.250+/-0.006  $\chi^2/\text{NDF}$ : 290.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.251+/-0.004  $\chi^2/\text{NDF}$ : 535.0/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.803+/-0.121  $\chi^2/\text{NDF}$ : 340.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.124+/-0.097  $\chi^2/\text{NDF}$ : 832.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

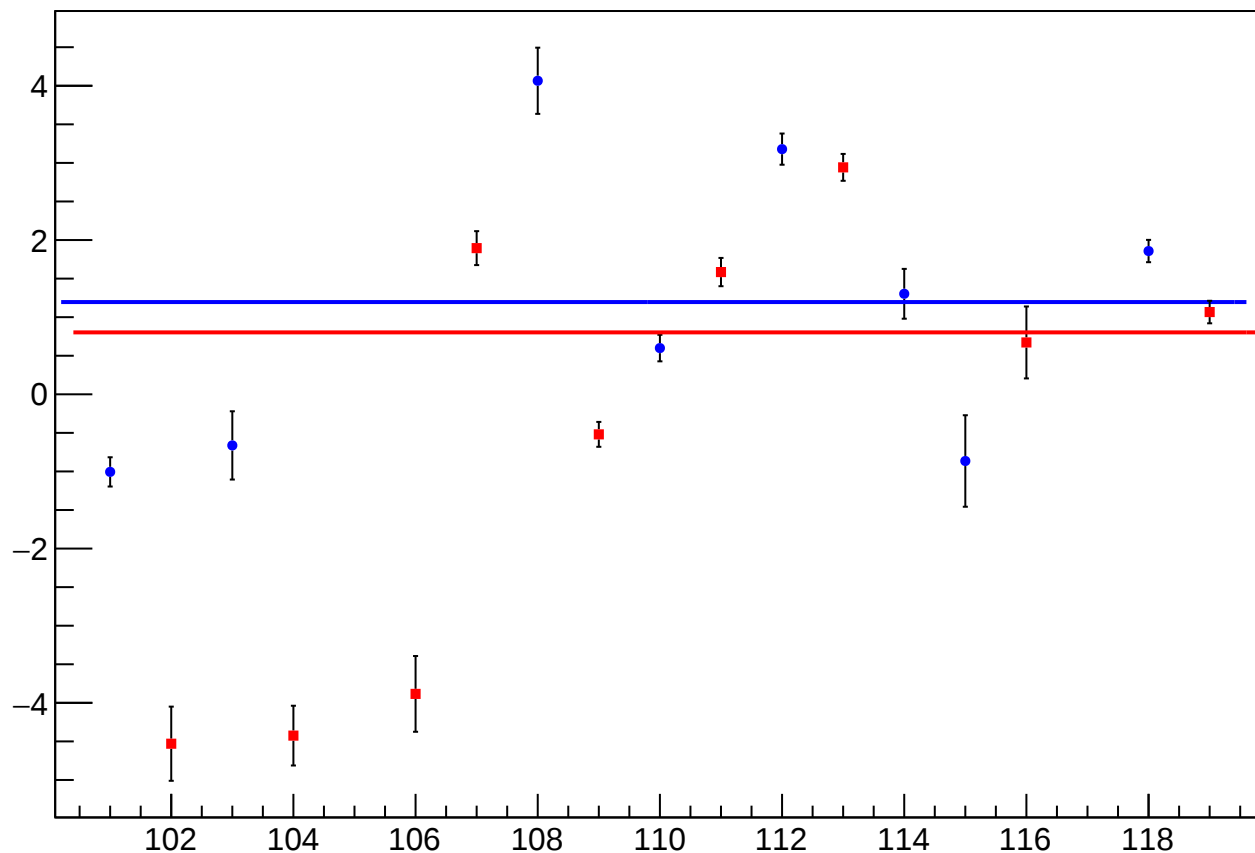
Right: 1.997+/-0.076  $\chi^2/\text{NDF}$ : 1176.8/16

In: 1.803+/-0.121  $\chi^2/\text{NDF}$ :340.5/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1.997+/-0.076  $\chi^2/\text{NDF}$ : 1176.8/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.196+/-0.080  $\chi^2/\text{NDF}$ : 338.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.803+/-0.073  $\chi^2/\text{NDF}$ : 660.3/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

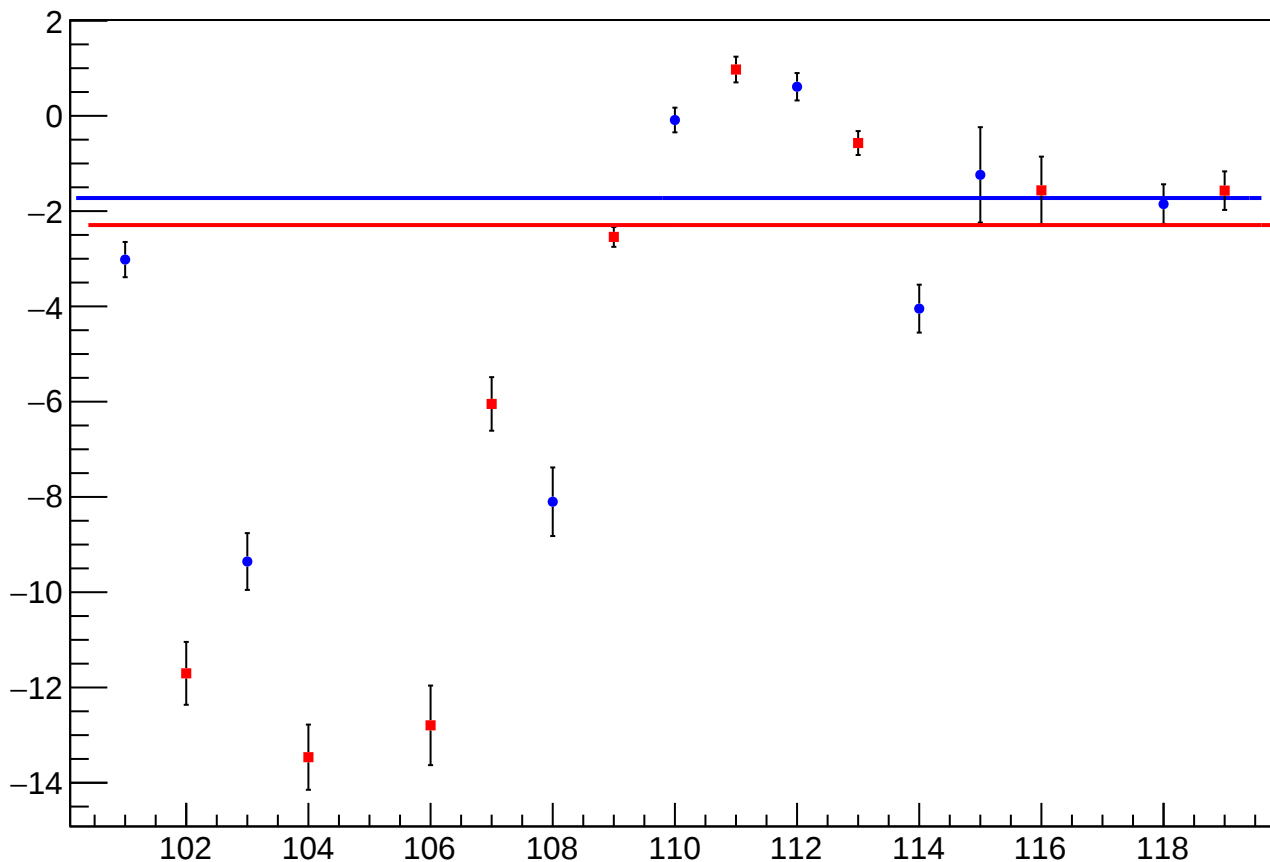
Right: 0.981+/-0.054  $\chi^2/\text{NDF}$ : 1011.9/16

In: 1.196+/-0.080  $\chi^2/\text{NDF}$ : 338.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.981+/-0.054  $\chi^2/\text{NDF}$ : 1011.9/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.725 \pm 0.142$   $\chi^2/\text{NDF}$ : 382.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.293 \pm 0.120$   $\chi^2/\text{NDF}$ : 871.7/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

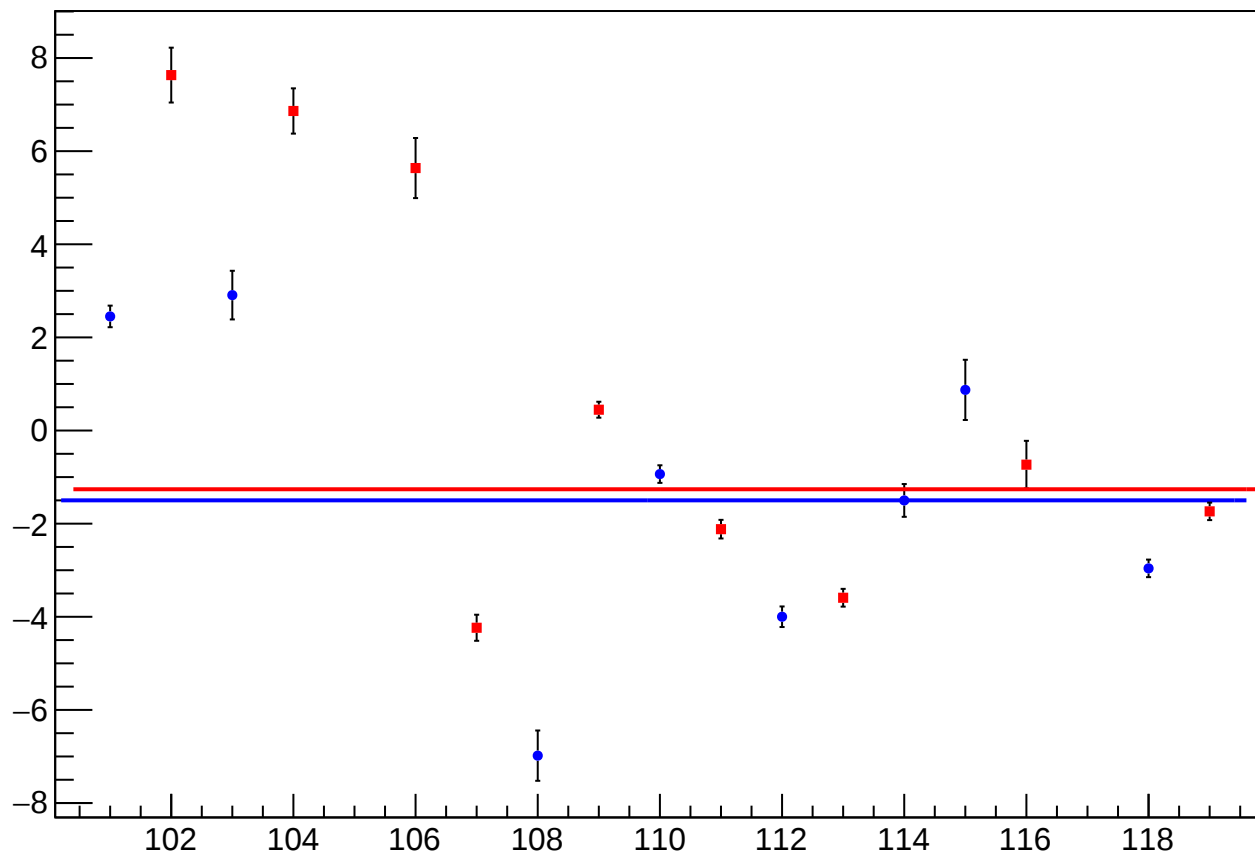
Right:  $-2.057 \pm 0.091$   $\chi^2/\text{NDF}$ : 1263.2/16

In:  $-1.725 \pm 0.142$   $\chi^2/\text{NDF}$ : 382.1/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.057 \pm 0.091$   $\chi^2/\text{NDF}$ : 1263.2/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.499+/-0.094  $\chi^2/\text{NDF}$ : 675.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.261+/-0.084  $\chi^2/\text{NDF}$ : 1009.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

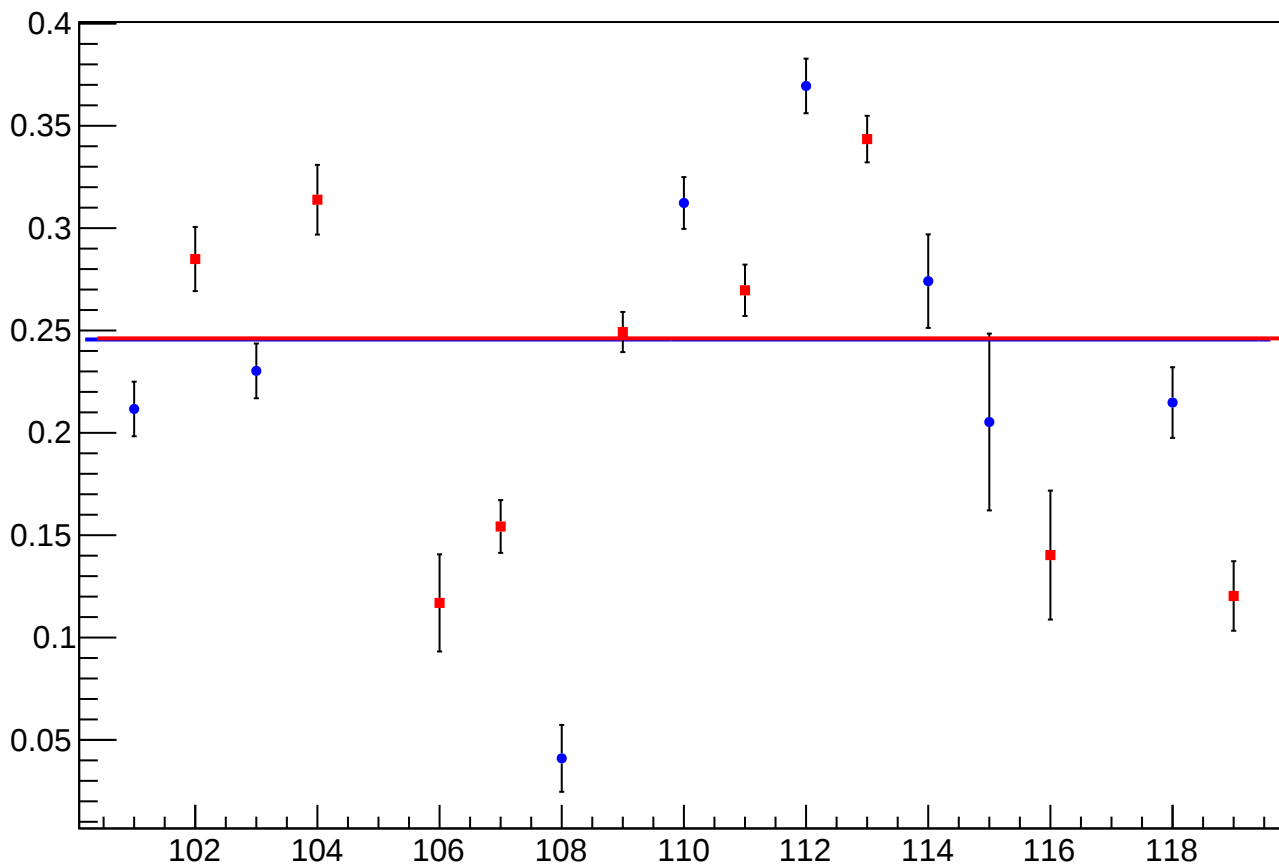
Right: -1.367+/-0.063  $\chi^2/\text{NDF}$ : 1687.8/16

In: -1.499+/-0.094  $\chi^2/\text{NDF}$ : 675.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.367+/-0.063  $\chi^2/\text{NDF}$ : 1687.8/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.246+/-0.006  $\chi^2/\text{NDF}$ : 284.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.246+/-0.005  $\chi^2/\text{NDF}$ : 245.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

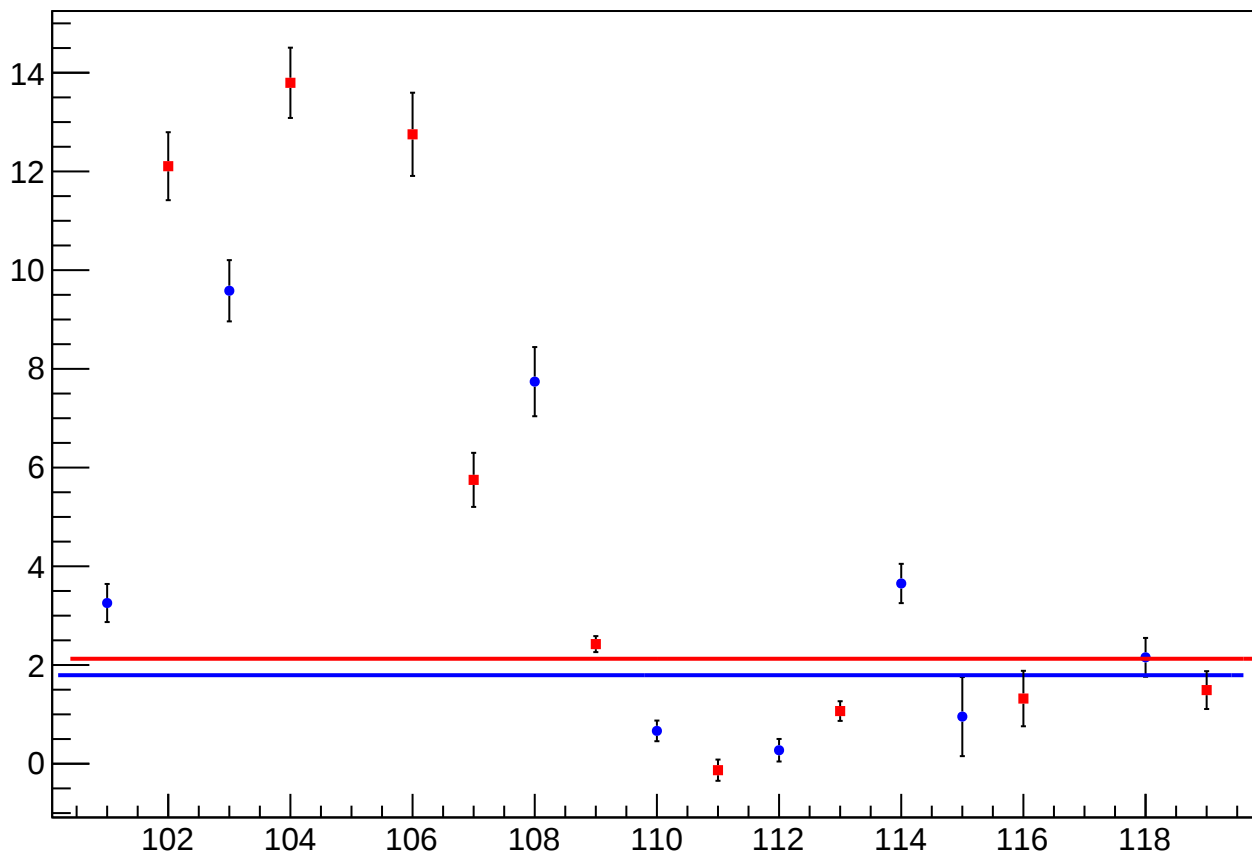
Right: 0.246+/-0.004  $\chi^2/\text{NDF}$ : 530.0/16

In: 0.246+/-0.006  $\chi^2/\text{NDF}$ : 284.4/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.246+/-0.004  $\chi^2/\text{NDF}$ : 530.0/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.794+/-0.122  $\chi^2/\text{NDF}$ : 341.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.127+/-0.098  $\chi^2/\text{NDF}$ : 828.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

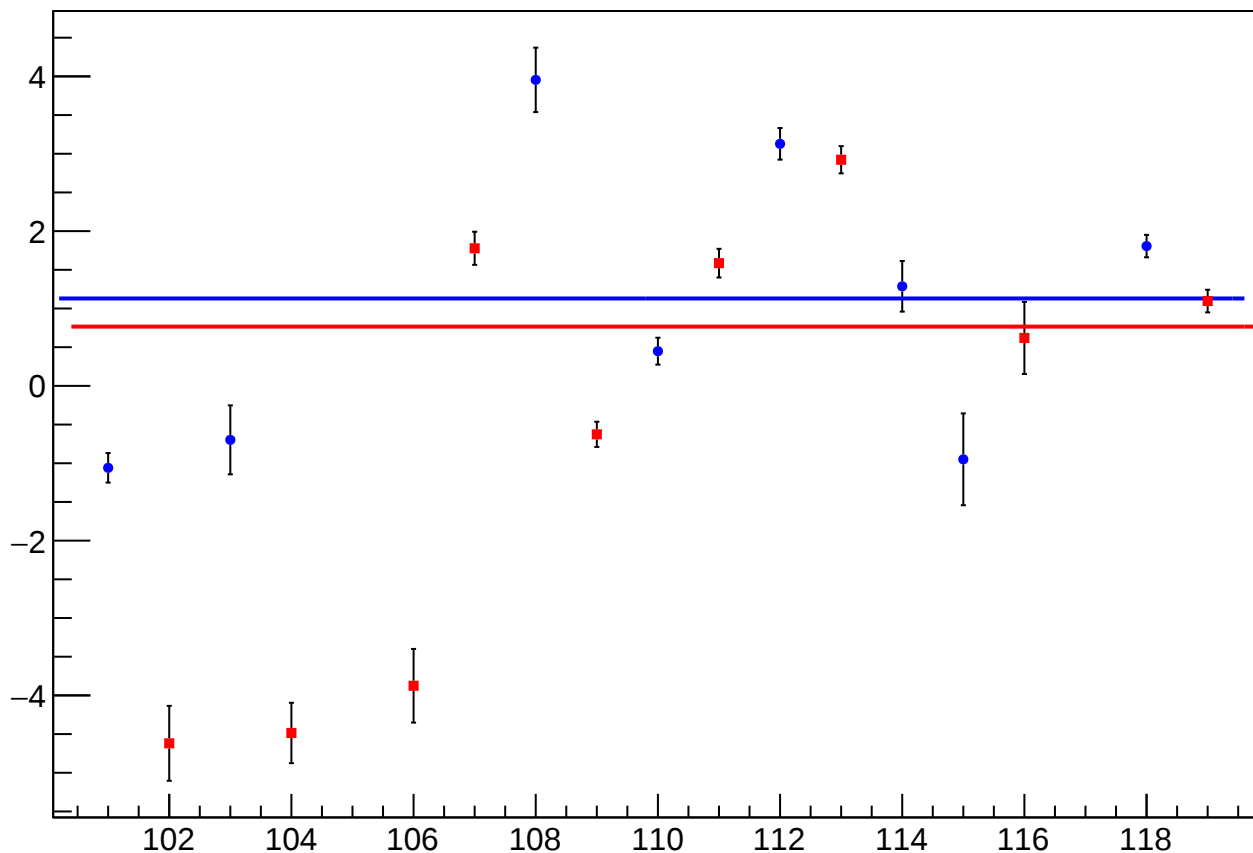
Right: 1.995+/-0.076  $\chi^2/\text{NDF}$ : 1173.6/16

In: 1.794+/-0.122  $\chi^2/\text{NDF}$ :341.0/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1.995+/-0.076  $\chi^2/\text{NDF}$ : 1173.6/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.130+/-0.080  $\chi^2/\text{NDF}$ : 339.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.766+/-0.073  $\chi^2/\text{NDF}$ : 670.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

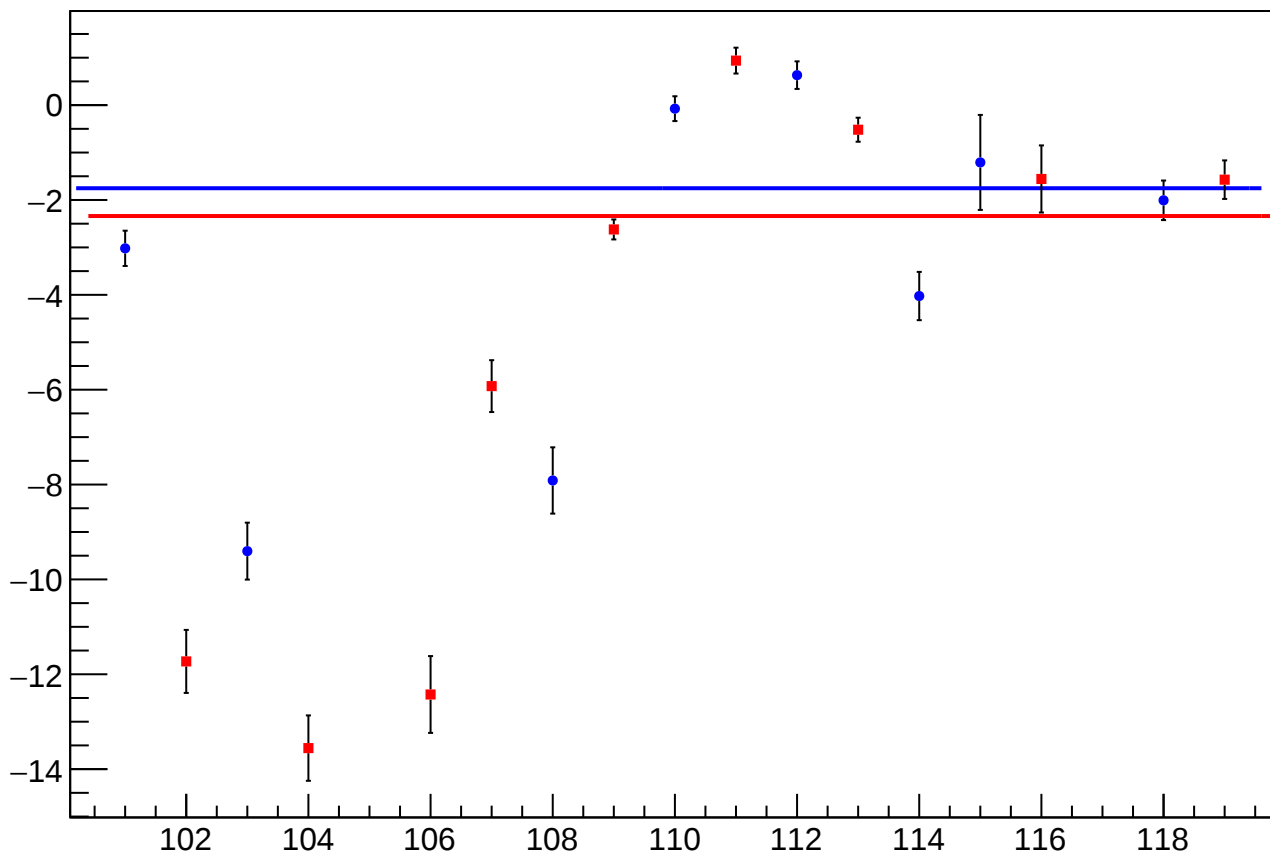
Right: 0.931+/-0.054  $\chi^2/\text{NDF}$ : 1020.9/16

In: 1.130+/-0.080  $\chi^2/\text{NDF}$ : 339.6/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.931+/-0.054  $\chi^2/\text{NDF}$ : 1020.9/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.752 \pm 0.143$   $\chi^2/\text{NDF}$ : 380.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.339 \pm 0.120$   $\chi^2/\text{NDF}$ : 865.5/8

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

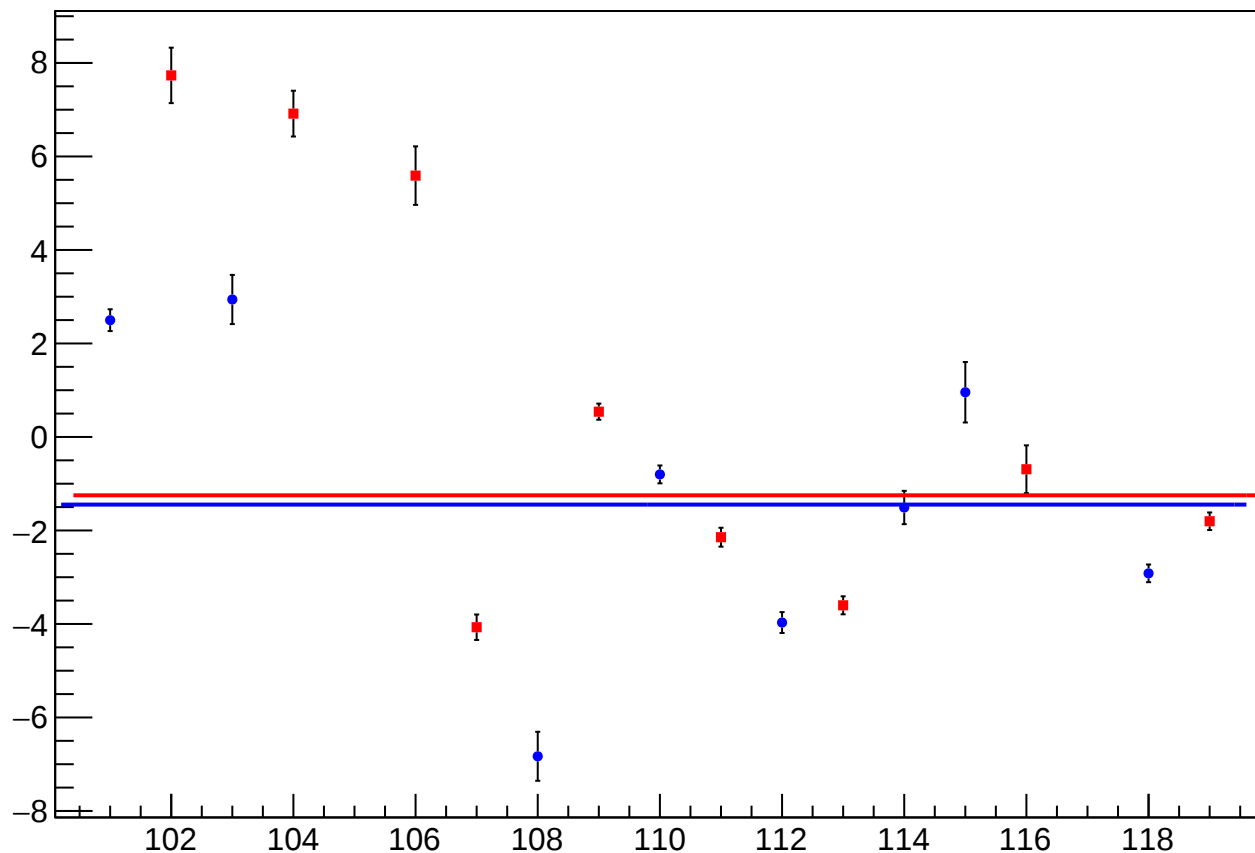
Right:  $-2.095 \pm 0.092$   $\chi^2/\text{NDF}$ : 1256.1/16

In:  $-1.752 \pm 0.143$   $\chi^2/\text{NDF}$ : 380.8/7

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.095 \pm 0.092$   $\chi^2/\text{NDF}$ : 1256.1/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.447 $\pm$ 0.095  $\chi^2$ /NDF: 674.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.248 $\pm$ 0.084  $\chi^2$ /NDF: 1019.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

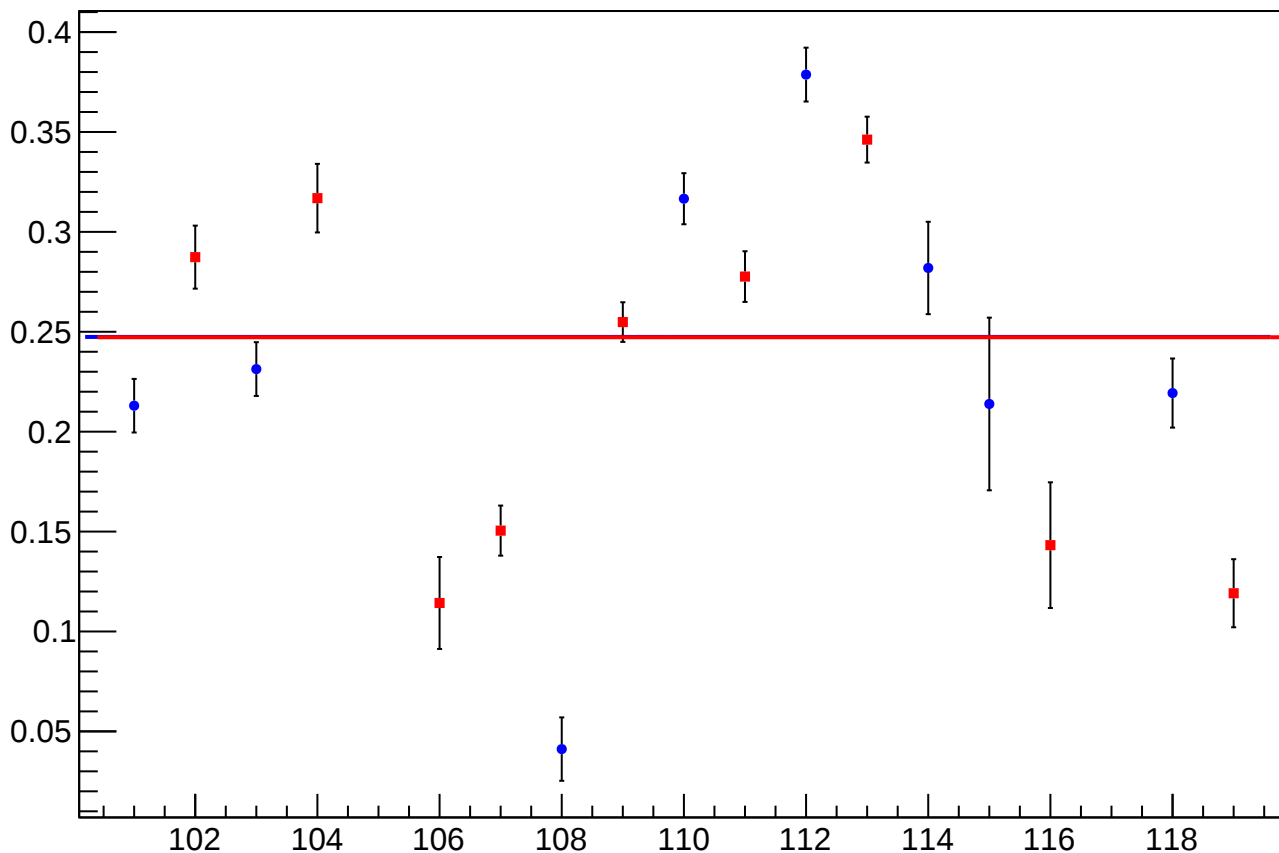
Right: -1.336 $\pm$ 0.063  $\chi^2$ /NDF: 1696.9/16

In: -1.447 $\pm$ 0.095  $\chi^2$ /NDF:674.6/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -1.336 $\pm$ 0.063  $\chi^2$ /NDF: 1696.9/16

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.247+/-0.006  $\chi^2/\text{NDF}$ : 306.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.247+/-0.005  $\chi^2/\text{NDF}$ : 264.0/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

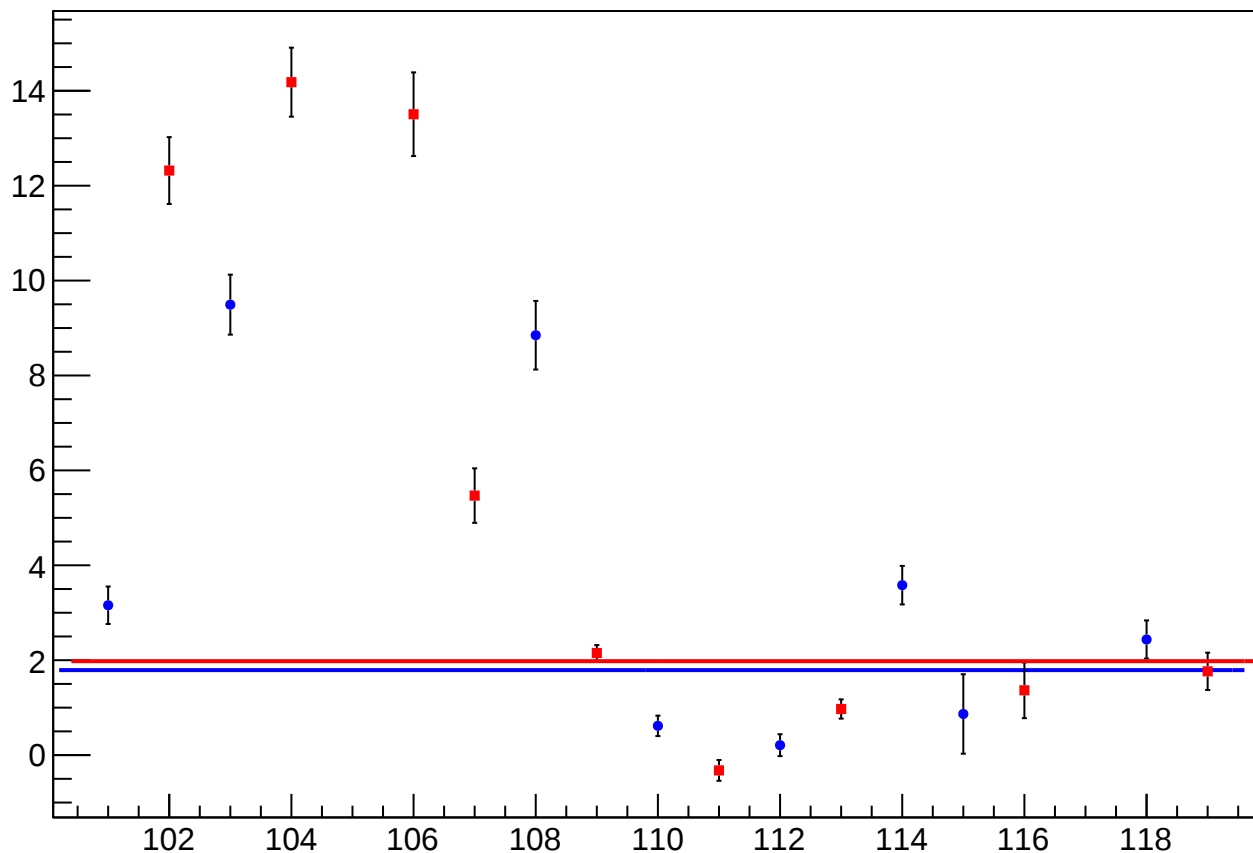
Right: 0.247+/-0.004  $\chi^2/\text{NDF}$ : 570.7/16

In: 0.247+/-0.006  $\chi^2/\text{NDF}$ : 306.7/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.247+/-0.004  $\chi^2/\text{NDF}$ : 570.7/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.791+/-0.124     $\chi^2/\text{NDF}$ : 355.7/7

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.980+/-0.101     $\chi^2/\text{NDF}$ : 842.5/8

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

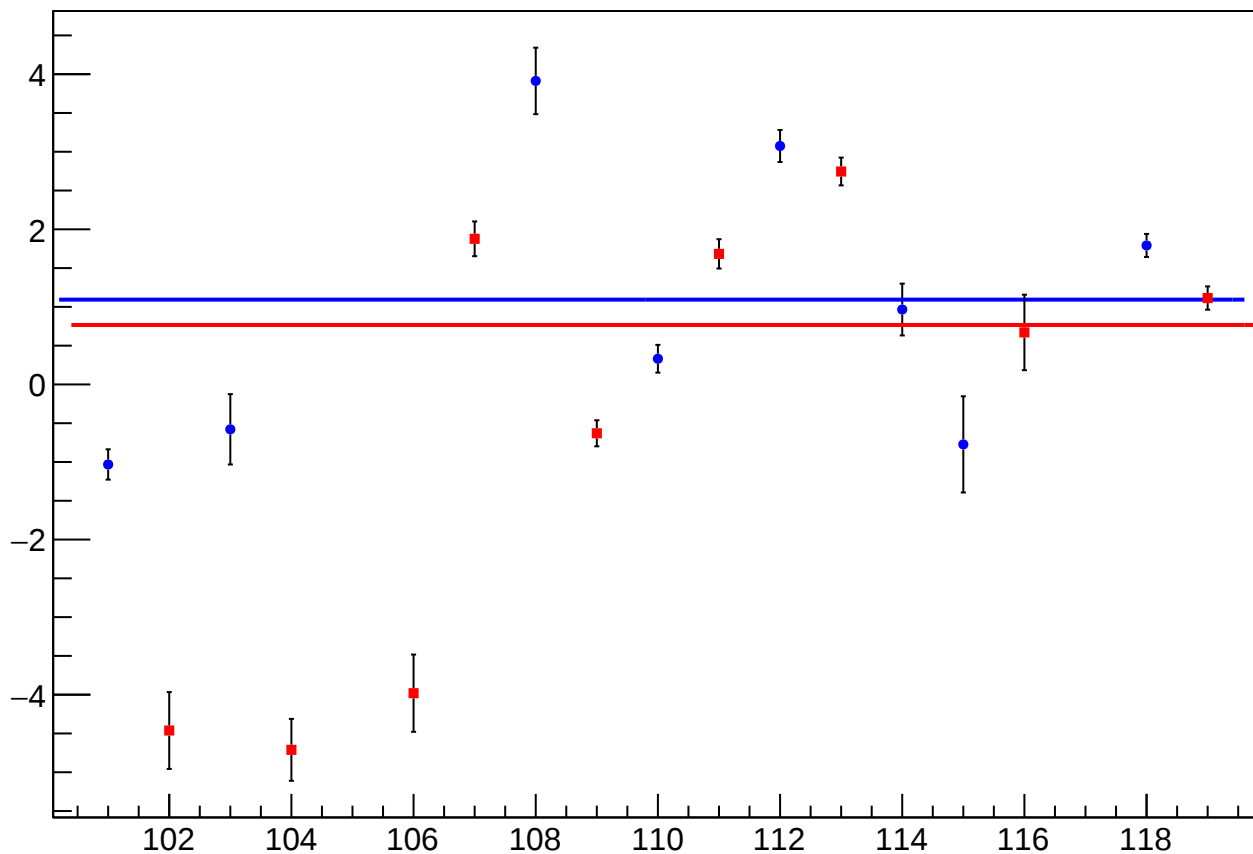
Right: 1.905+/-0.078     $\chi^2/\text{NDF}$ : 1199.6/16

In: 1.791+/-0.124     $\chi^2/\text{NDF}$ : 355.7/7

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 1.905+/-0.078     $\chi^2/\text{NDF}$ : 1199.6/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.093+/-0.082     $\chi^2/\text{NDF}$ : 316.9/7

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.767+/-0.075     $\chi^2/\text{NDF}$ : 635.4/8

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

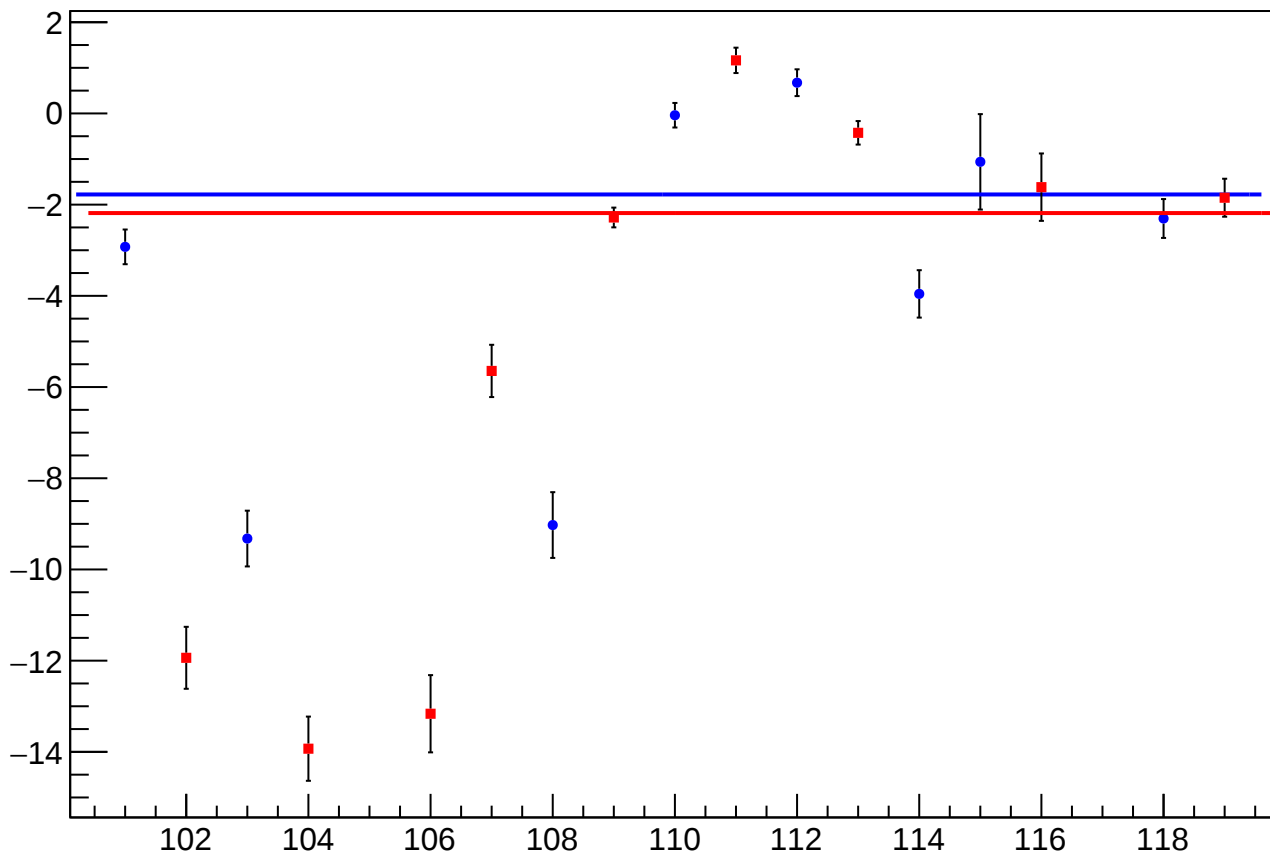
Right: 0.915+/-0.055     $\chi^2/\text{NDF}$ : 960.9/16

In: 1.093+/-0.082     $\chi^2/\text{NDF}$ : 316.9/7

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.915+/-0.055     $\chi^2/\text{NDF}$ : 960.9/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 0.146  $\chi^2$ /NDF: 393.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.185 $\pm$ 0.124  $\chi^2$ /NDF: 881.9/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

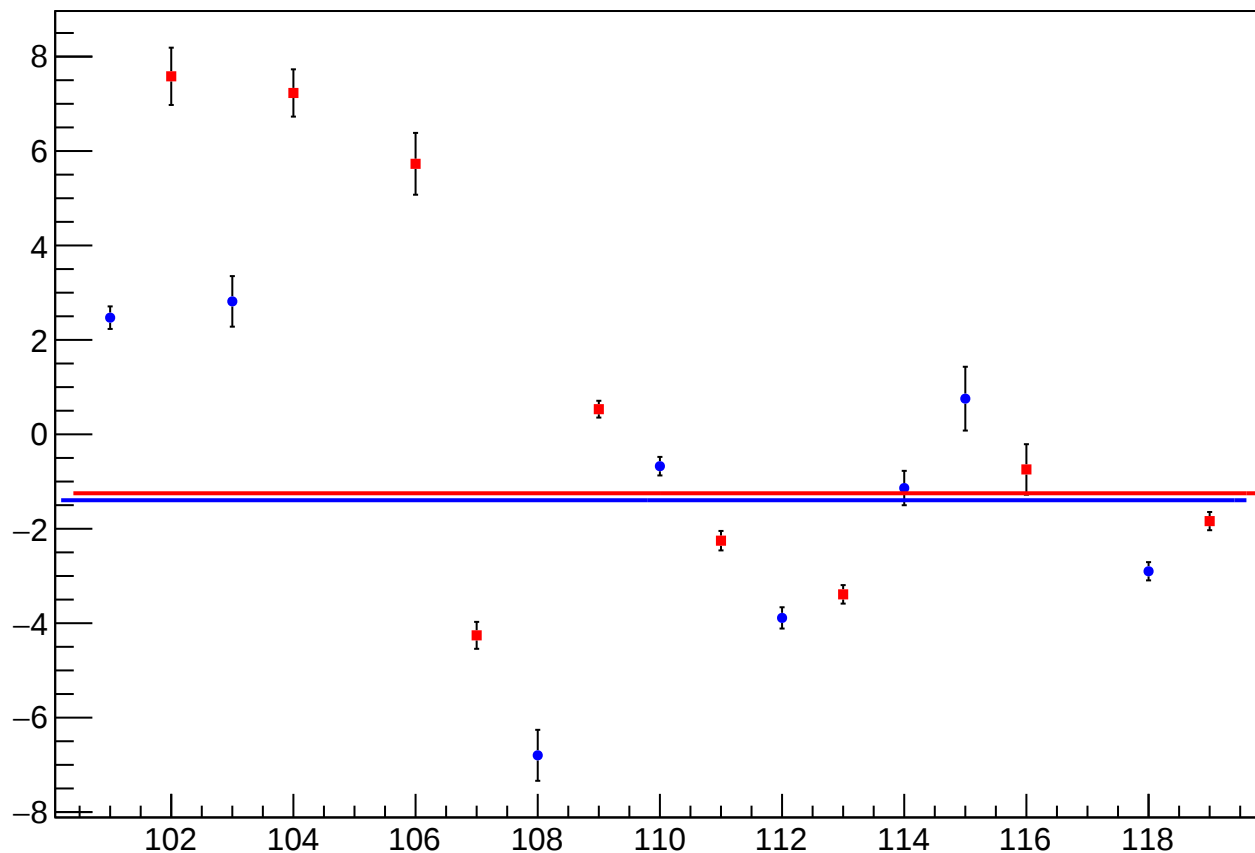
Right: -2.014 $\pm$ 0.094  $\chi^2$ /NDF: 1279.9/16

In: -1.777 $\pm$ 0.146  $\chi^2$ /NDF:393.4/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -2.014 $\pm$ 0.094  $\chi^2$ /NDF: 1279.9/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.396+/-0.097  $\chi^2/\text{NDF}$ : 631.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.248+/-0.087  $\chi^2/\text{NDF}$ : 976.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

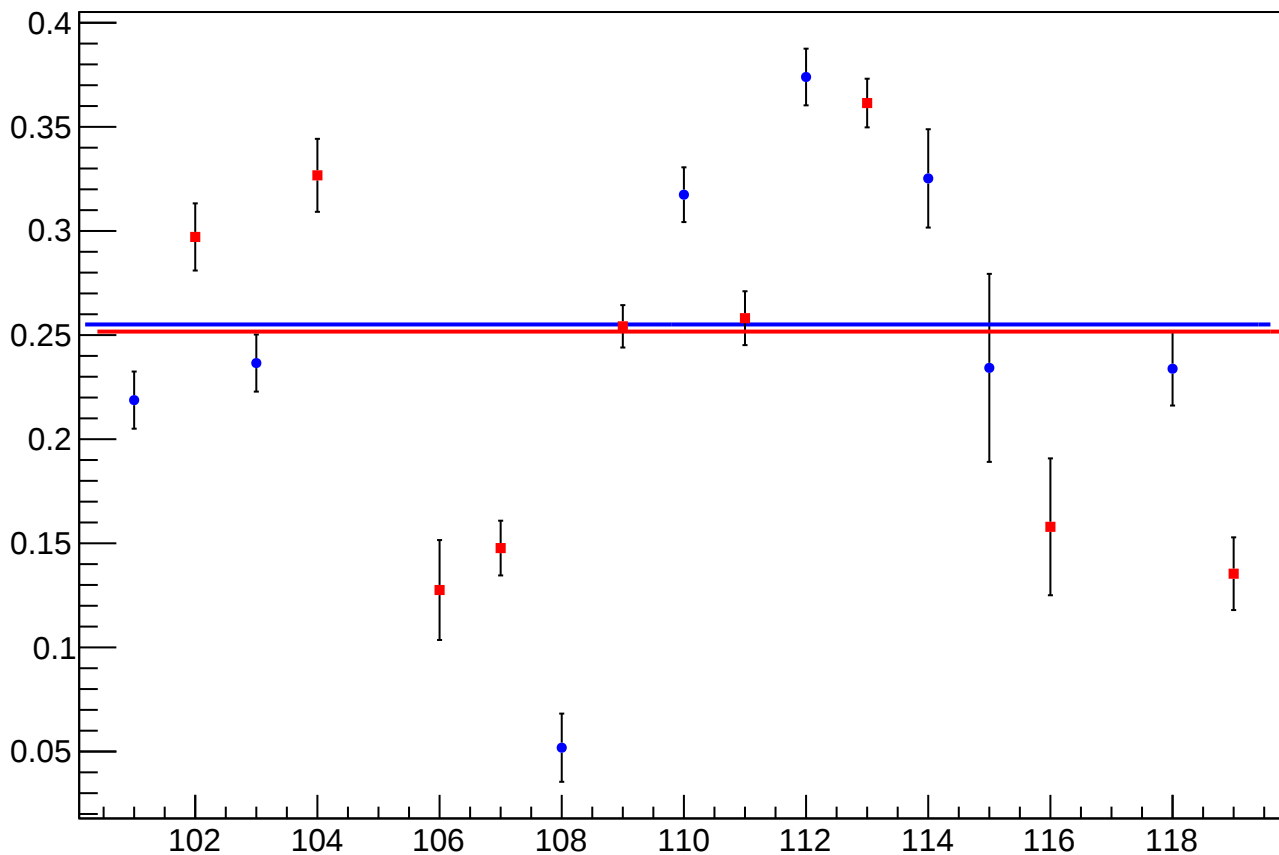
Right: -1.314+/-0.065  $\chi^2/\text{NDF}$ : 1609.2/16

In: -1.396+/-0.097  $\chi^2/\text{NDF}$ :631.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.314+/-0.065  $\chi^2/\text{NDF}$ : 1609.2/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.255+/-0.006  $\chi^2/\text{NDF}$ : 272.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.252+/-0.005  $\chi^2/\text{NDF}$ : 256.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

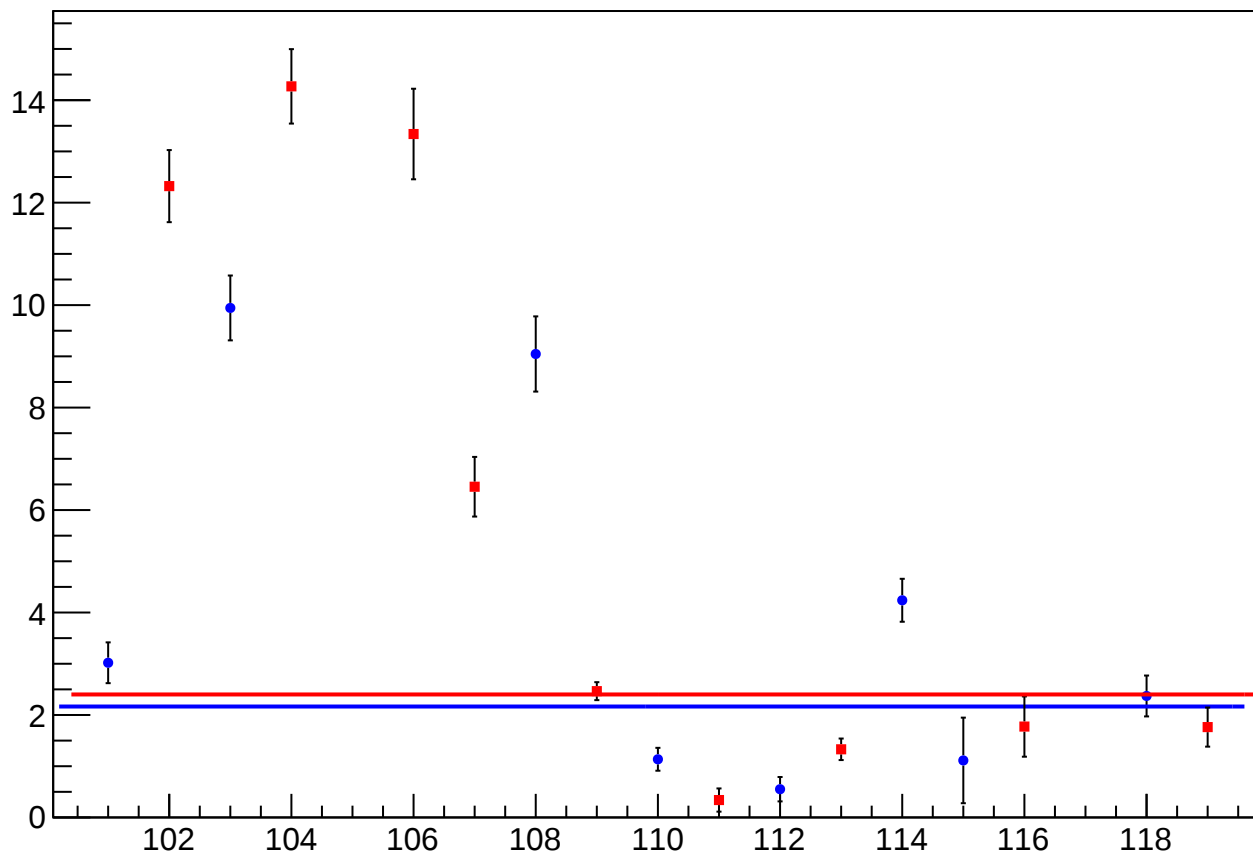
Right: 0.253+/-0.004  $\chi^2/\text{NDF}$ : 529.0/16

In: 0.255+/-0.006  $\chi^2/\text{NDF}$ : 272.1/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.253+/-0.004  $\chi^2/\text{NDF}$ : 529.0/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.165+/-0.127     $\chi^2/\text{NDF}$ : 337.2/7

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.401+/-0.104     $\chi^2/\text{NDF}$ : 780.3/8

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

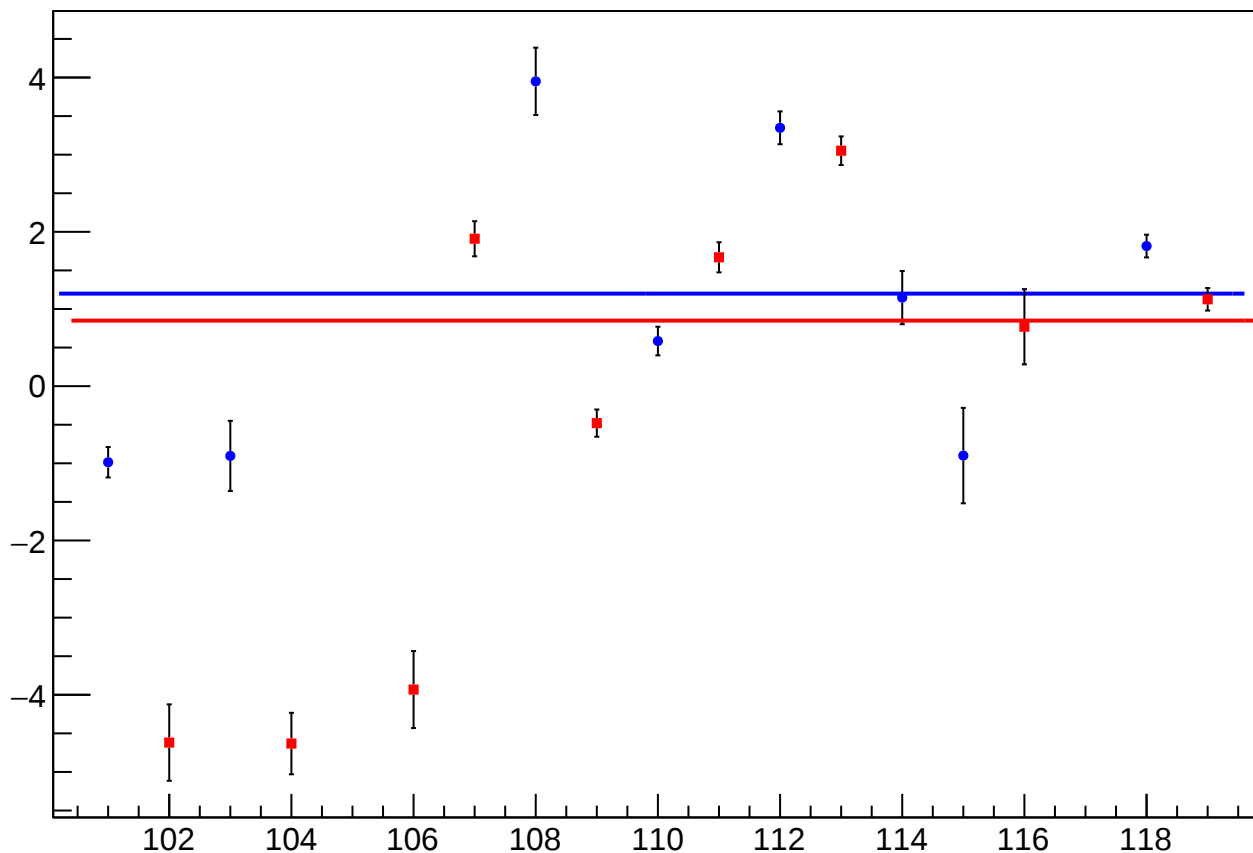
Right: 2.306+/-0.080     $\chi^2/\text{NDF}$ : 1119.5/16

In: 2.165+/-0.127     $\chi^2/\text{NDF}$ : 337.2/7

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 2.306+/-0.080     $\chi^2/\text{NDF}$ : 1119.5/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.199+/-0.083  $\chi^2/\text{NDF}$ : 326.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.850+/-0.076  $\chi^2/\text{NDF}$ : 643.6/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

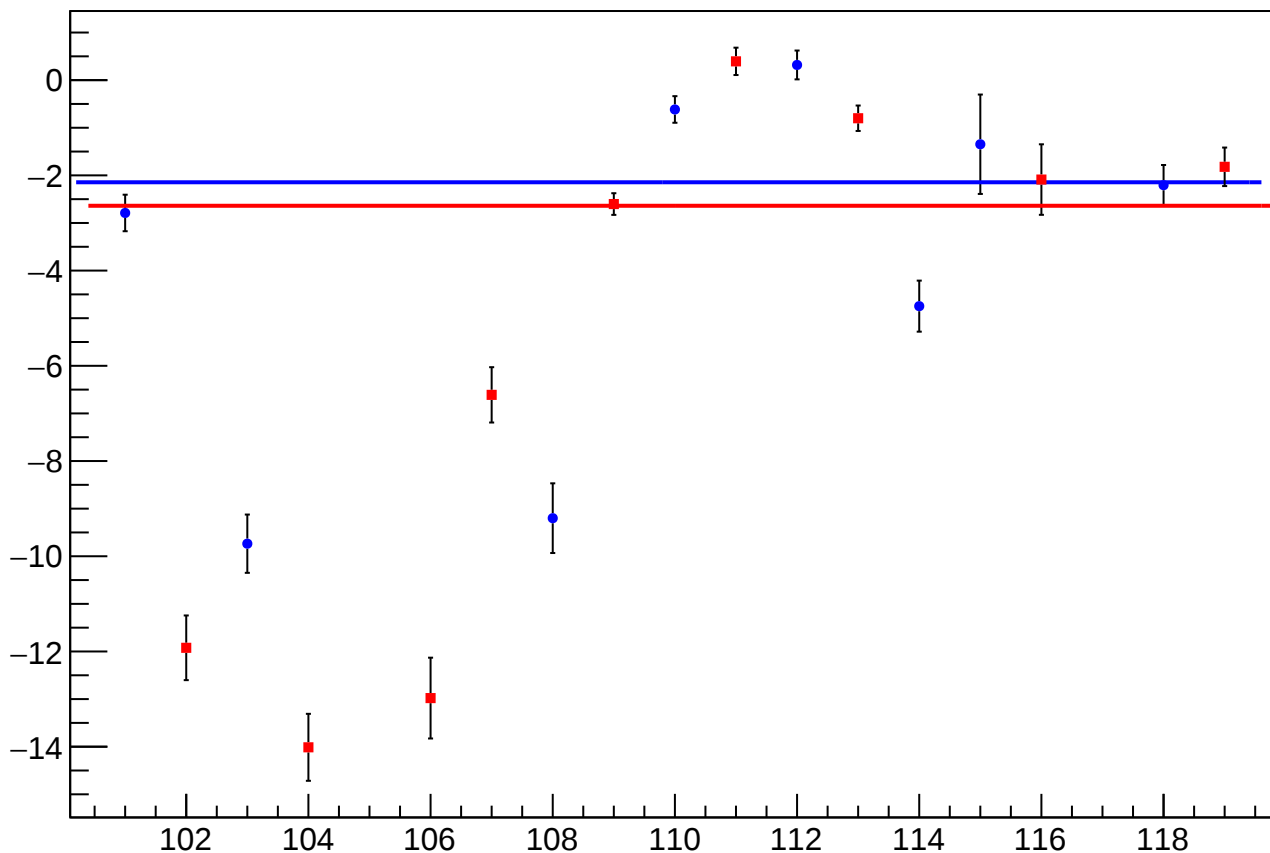
Right: 1.009+/-0.056  $\chi^2/\text{NDF}$ : 979.5/16

In: 1.199+/-0.083  $\chi^2/\text{NDF}$ : 326.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.009+/-0.056  $\chi^2/\text{NDF}$ : 979.5/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.145+/-0.149  $\chi^2/\text{NDF}$ : 369.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -2.639+/-0.127  $\chi^2/\text{NDF}$ : 807.1/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

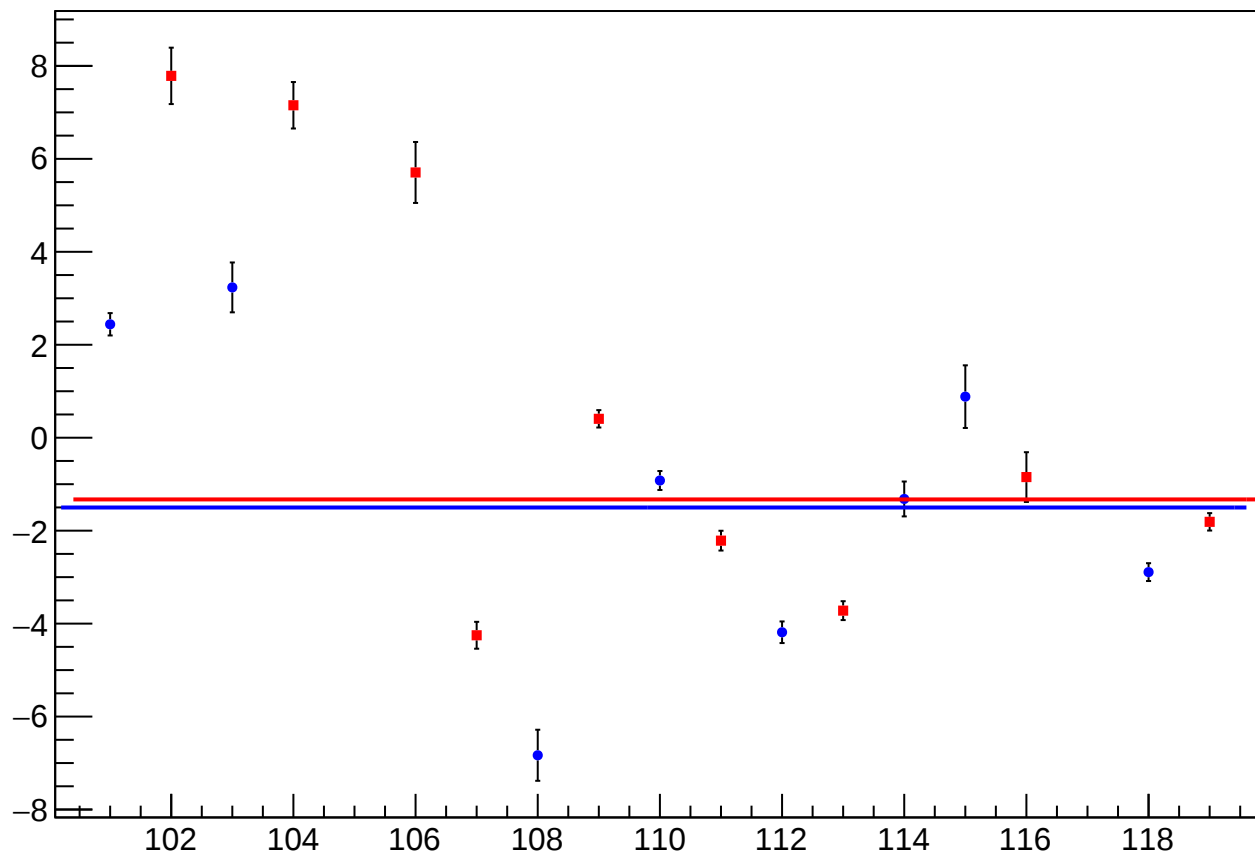
Right: -2.431+/-0.097  $\chi^2/\text{NDF}$ : 1183.4/16

In: -2.145+/-0.149  $\chi^2/\text{NDF}$ :369.9/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -2.431+/-0.097  $\chi^2/\text{NDF}$ : 1183.4/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.502 $\pm$ 0.098  $\chi^2$ /NDF: 647.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.328 $\pm$ 0.088  $\chi^2$ /NDF: 980.1/8

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

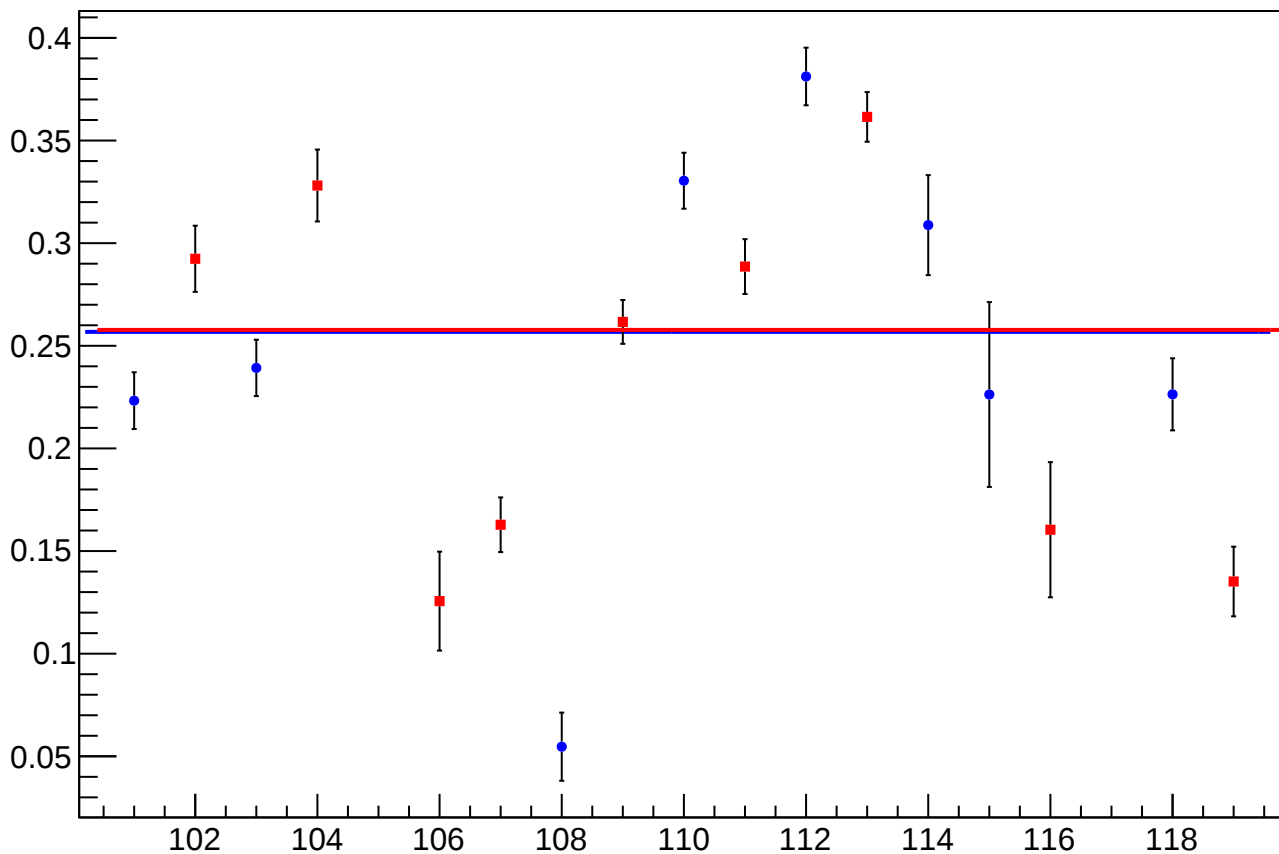
Right: -1.405 $\pm$ 0.066  $\chi^2$ /NDF: 1629.2/16

In: -1.502 $\pm$ 0.098  $\chi^2$ /NDF:647.3/7

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -1.405 $\pm$ 0.066  $\chi^2$ /NDF: 1629.2/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.257+/-0.006  $\chi^2/\text{NDF}$ : 271.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.258+/-0.005  $\chi^2/\text{NDF}$ : 241.5/8

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.257+/-0.004  $\chi^2/\text{NDF}$ : 512.8/16

In: 0.257+/-0.006  $\chi^2/\text{NDF}$ : 271.3/7

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.257+/-0.004  $\chi^2/\text{NDF}$ : 512.8/16