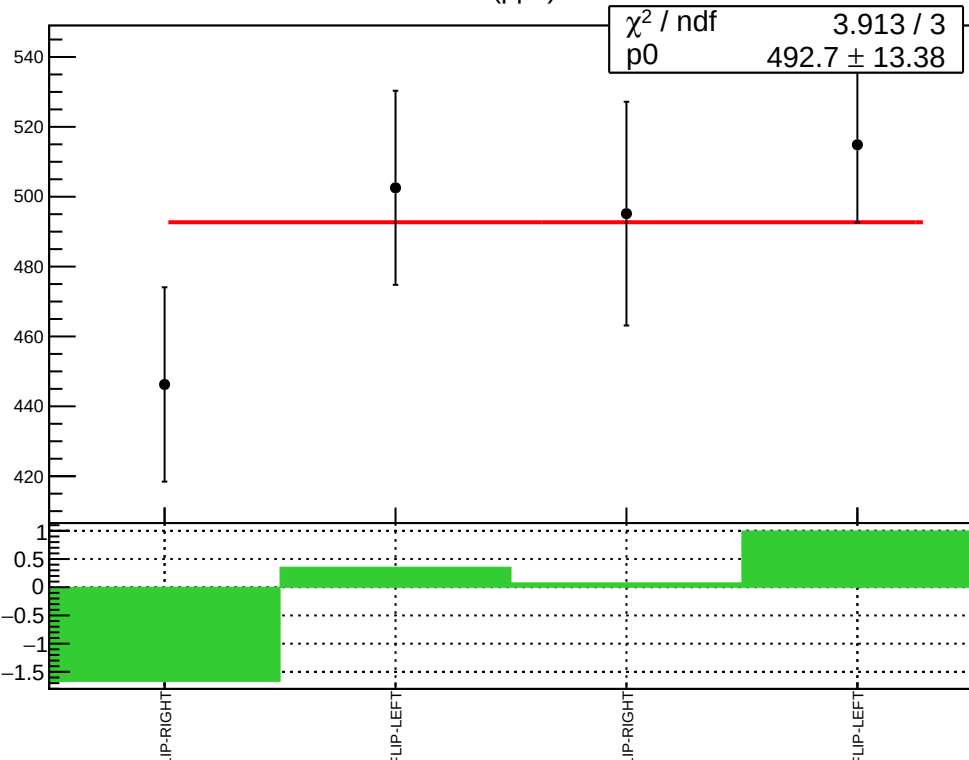
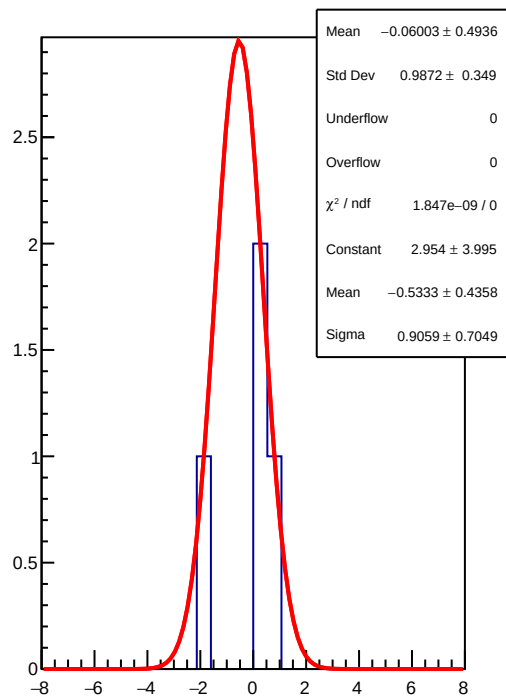


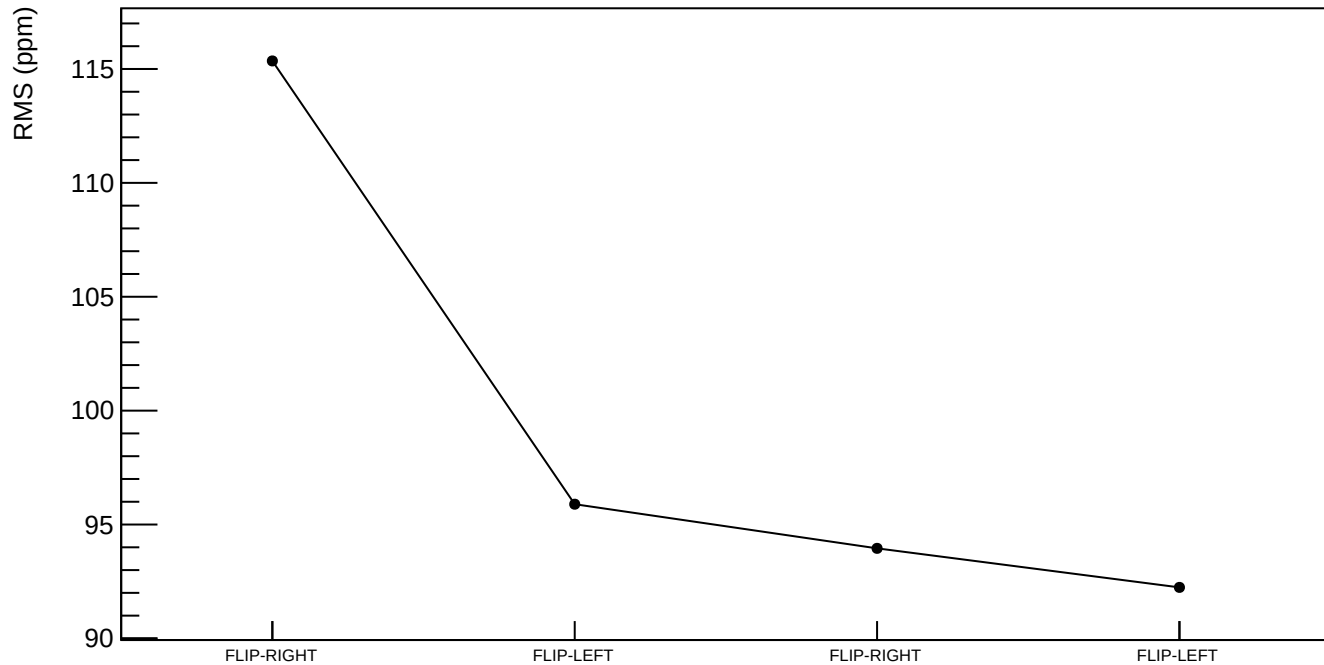
Adet (ppb)



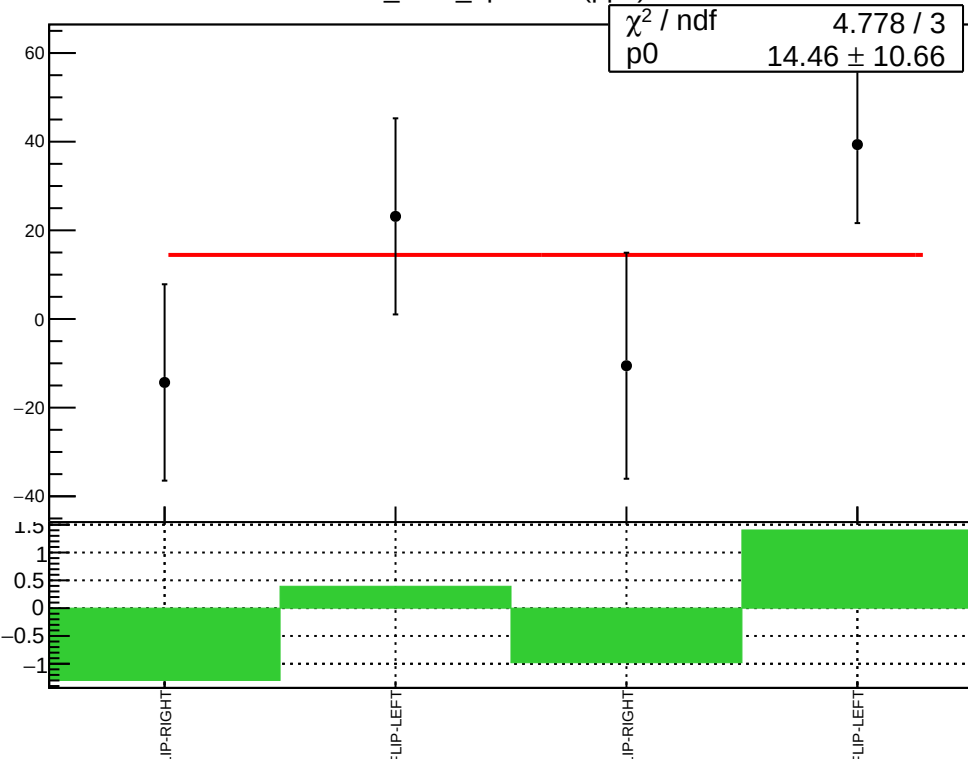
1D pull distribution



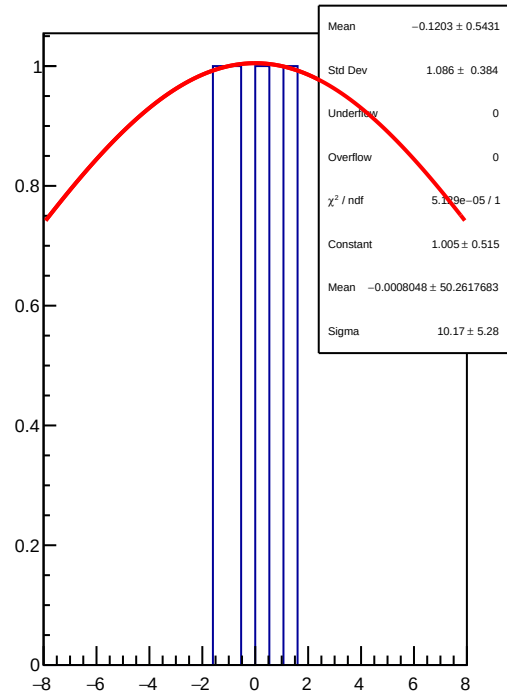
Adet RMS (ppm)



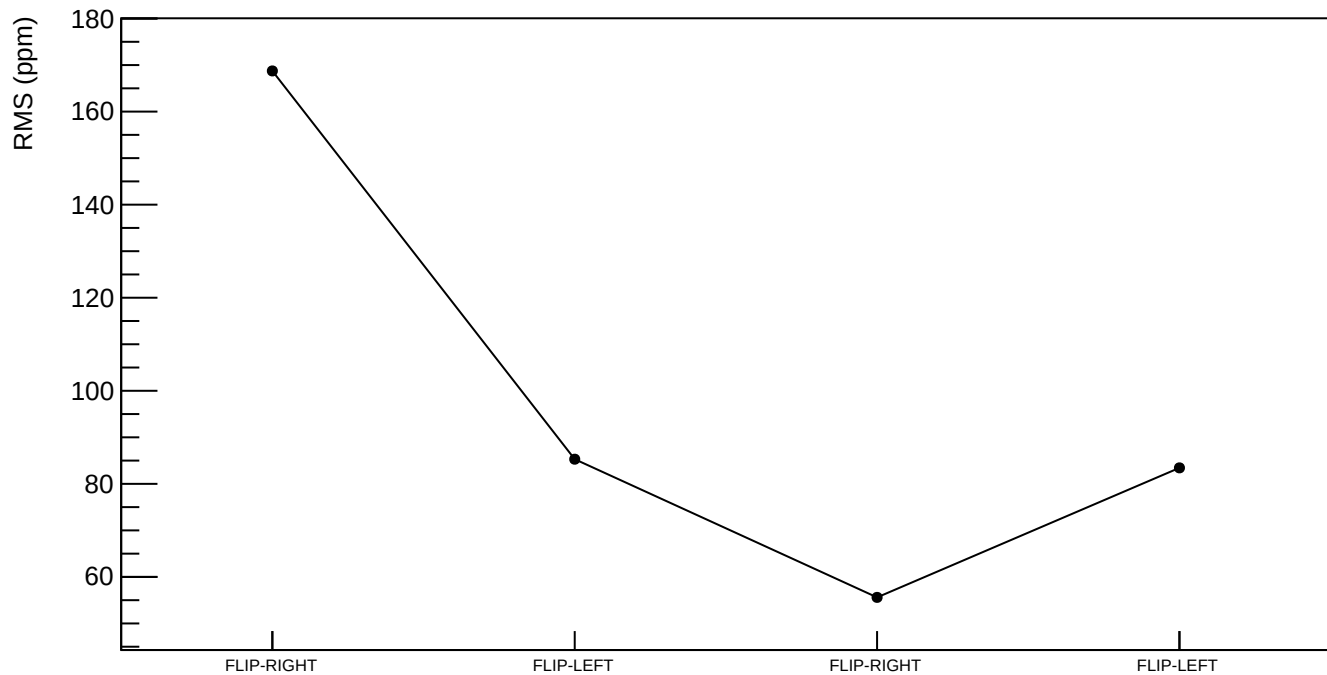
corr_Adet_bpm4eX (ppb)



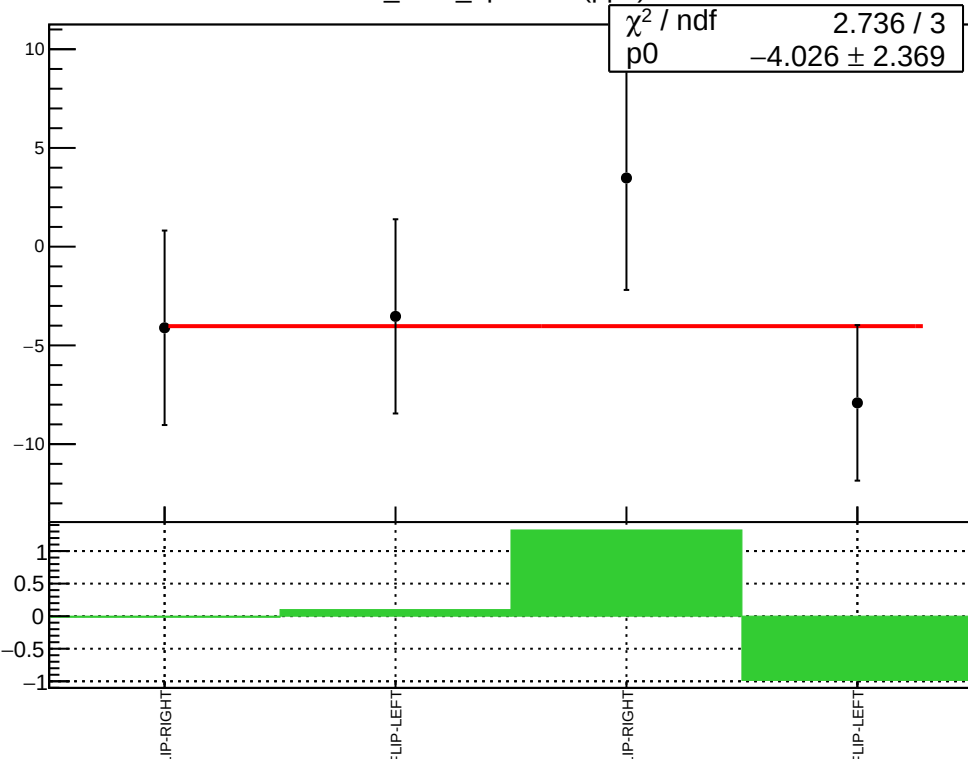
1D pull distribution



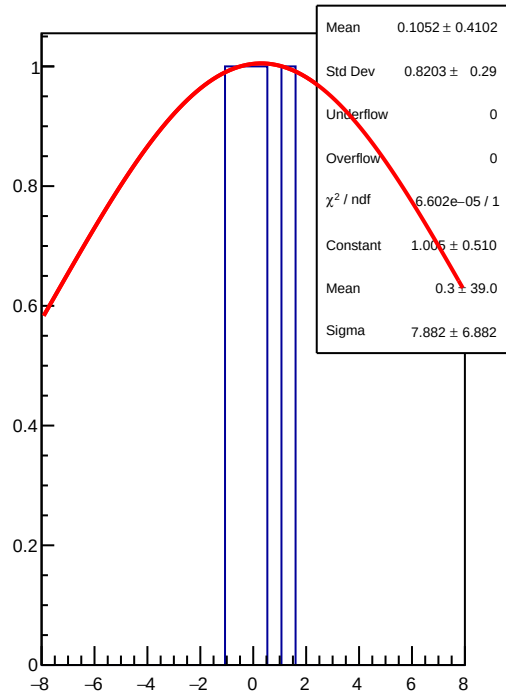
corr_Adet_bpm4eX RMS (ppm)



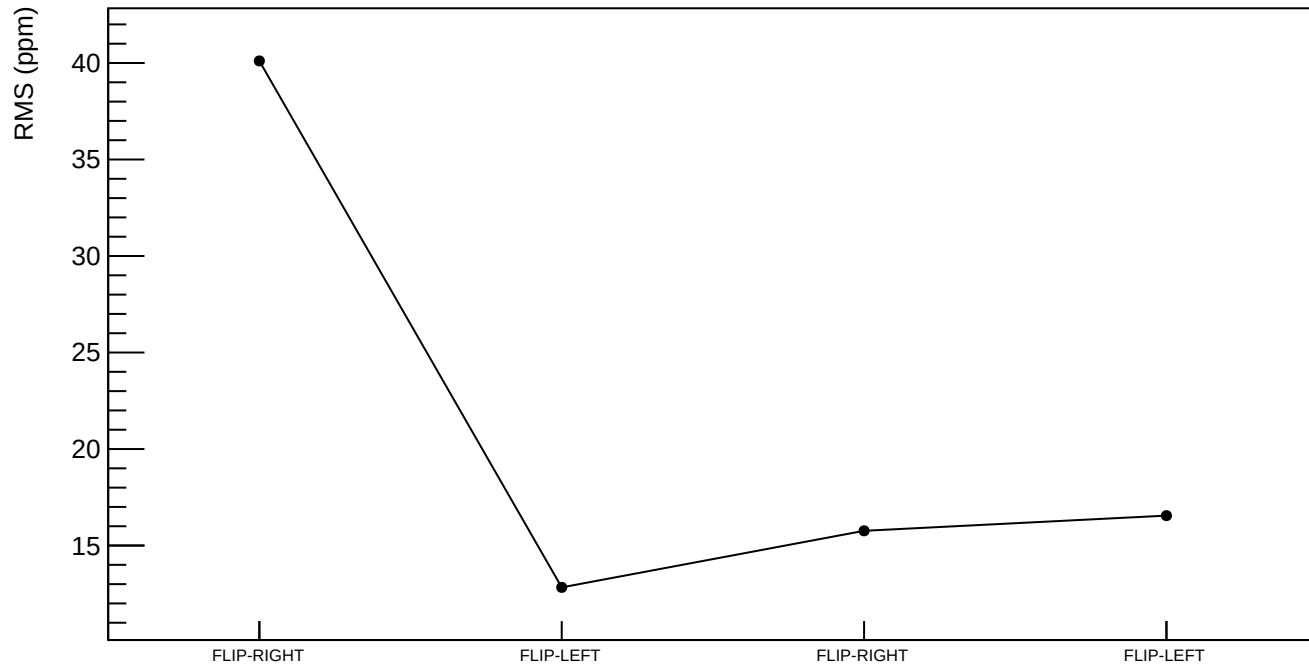
corr_Adet_bpm4eY (ppb)



1D pull distribution



corr_Adet_bpm4eY RMS (ppm)

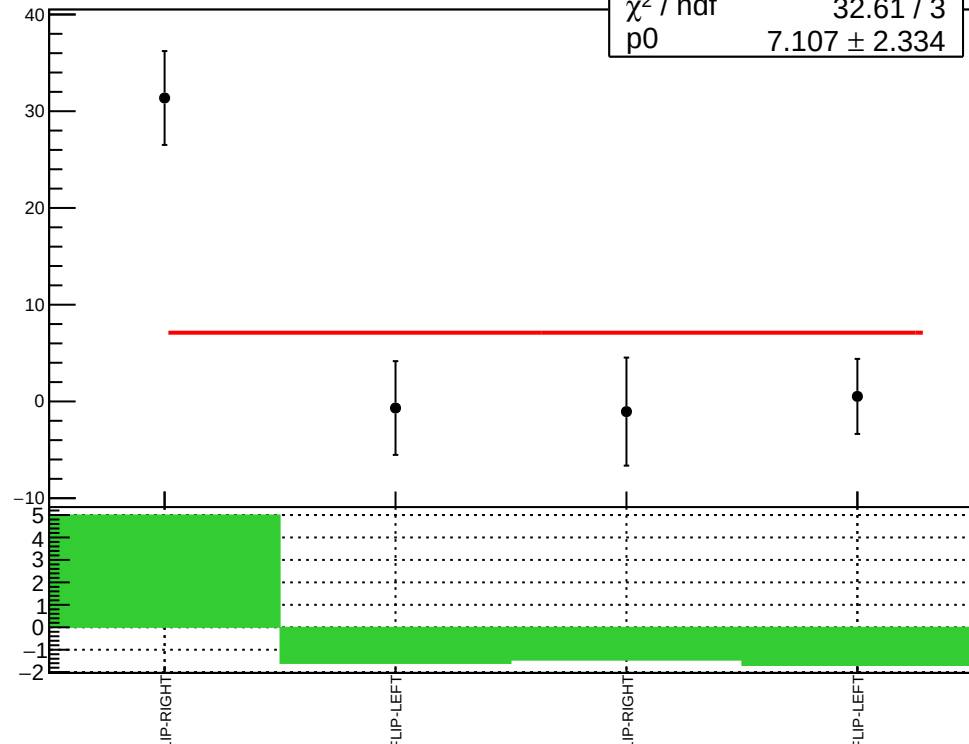


corr_Adet_bpm4aX (ppb)

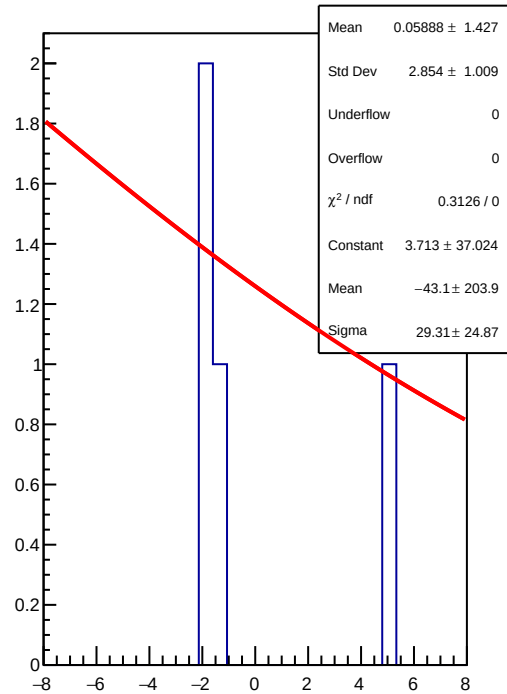
 χ^2 / ndf

32.61 / 3

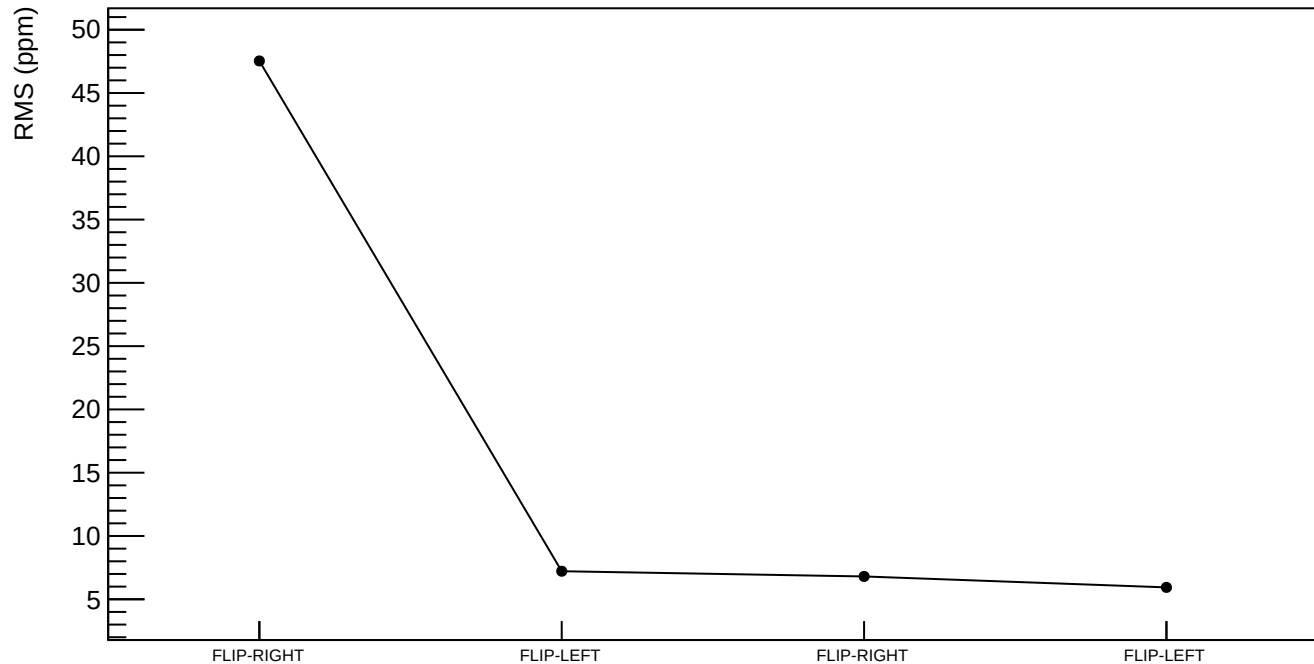
p0

 7.107 ± 2.334 

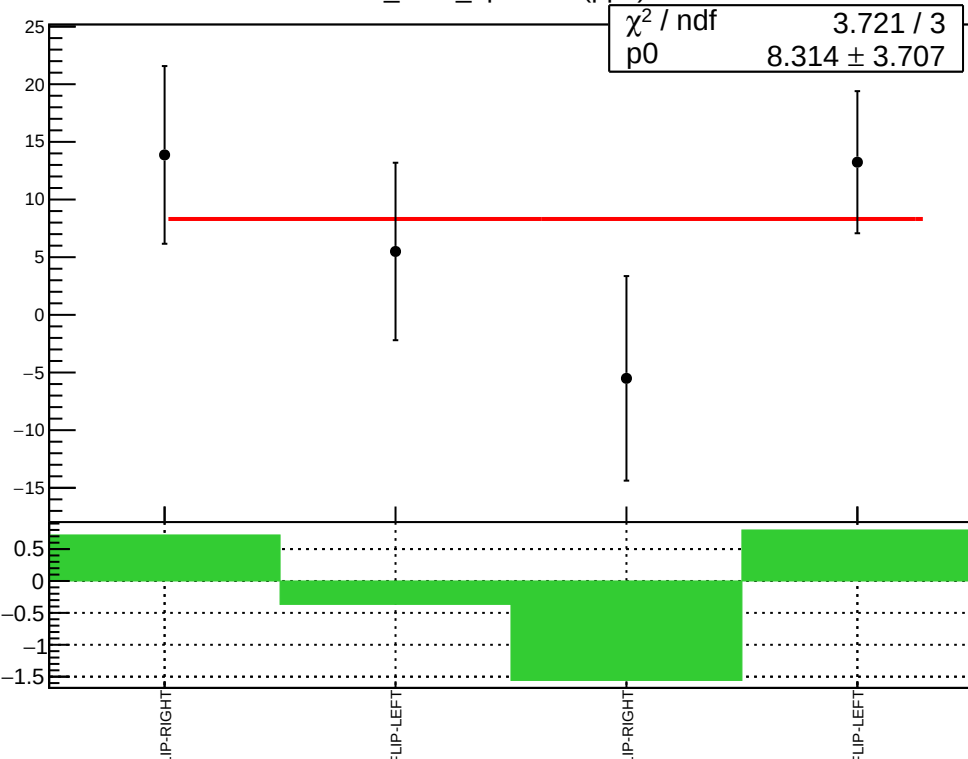
1D pull distribution



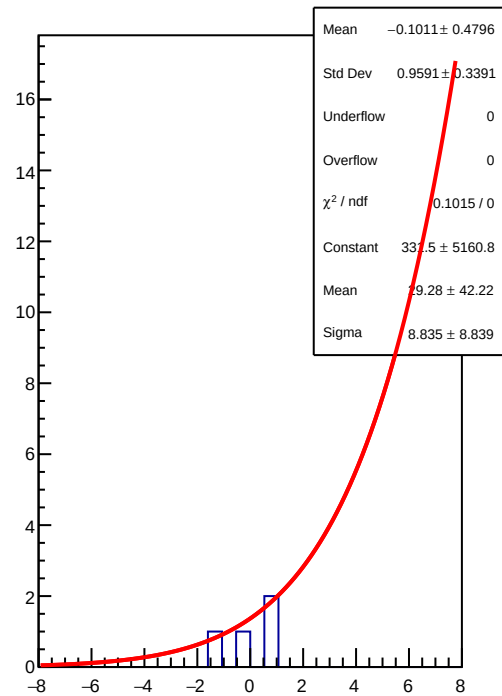
corr_Adet_bpm4aX RMS (ppm)



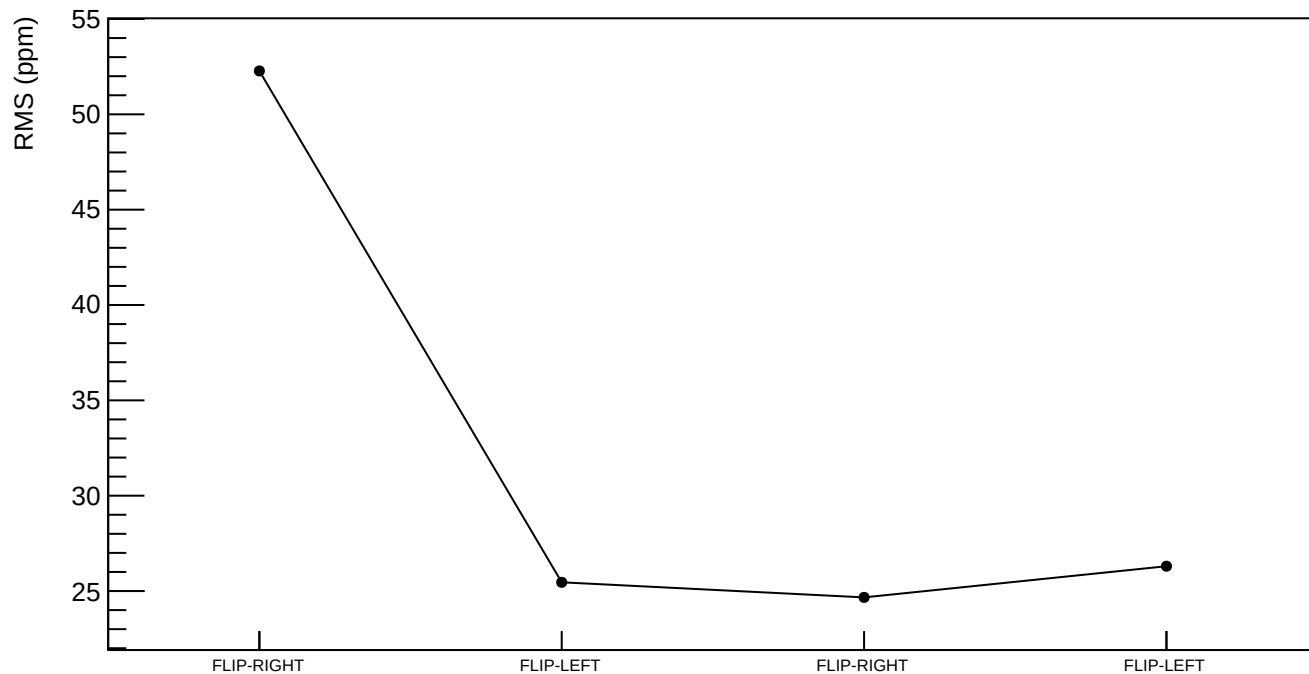
corr_Adet_bpm4aY (ppb)



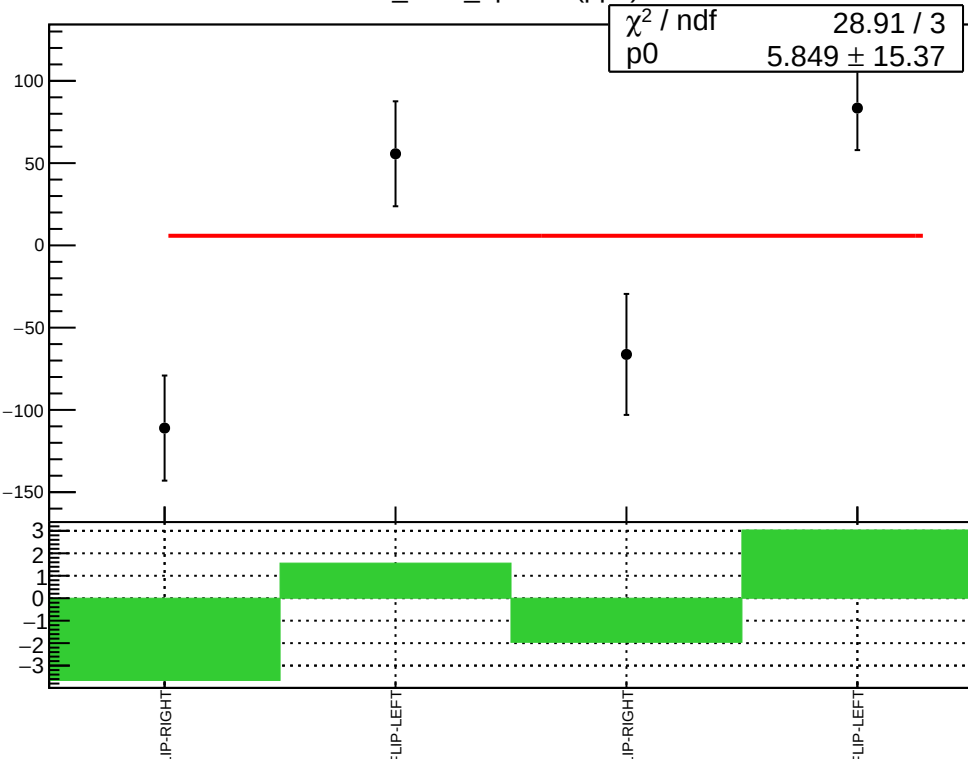
1D pull distribution



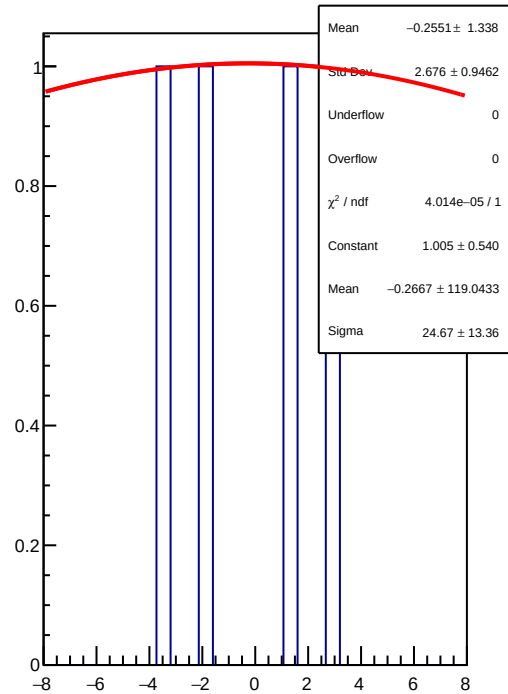
corr_Adet_bpm4aY RMS (ppm)



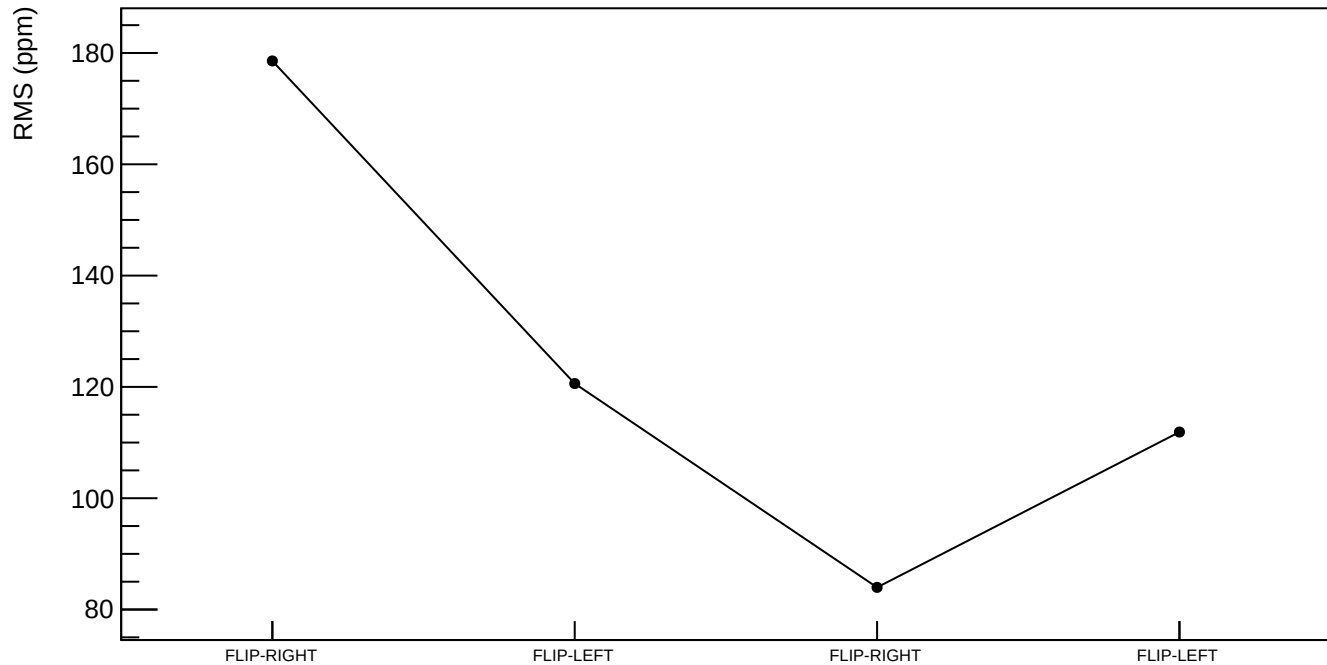
corr_Adet_bpm1X (ppb)



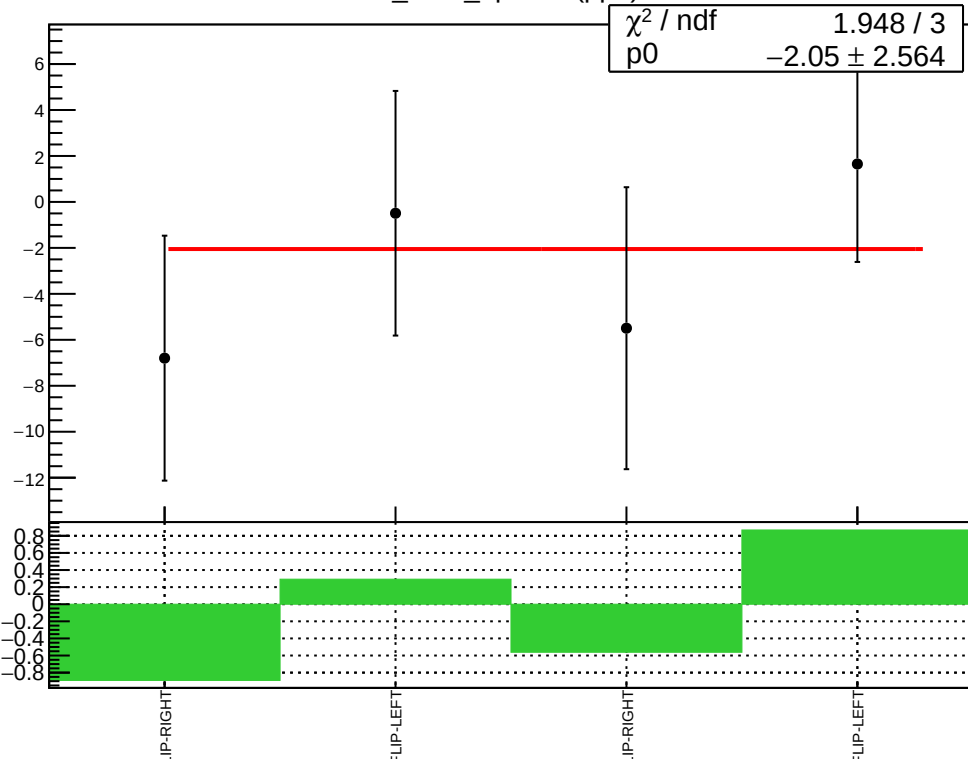
1D pull distribution



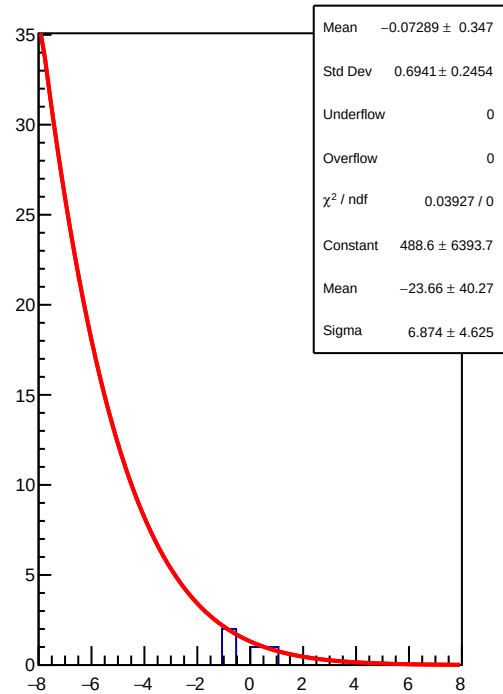
corr_Adet_bpm1X RMS (ppm)



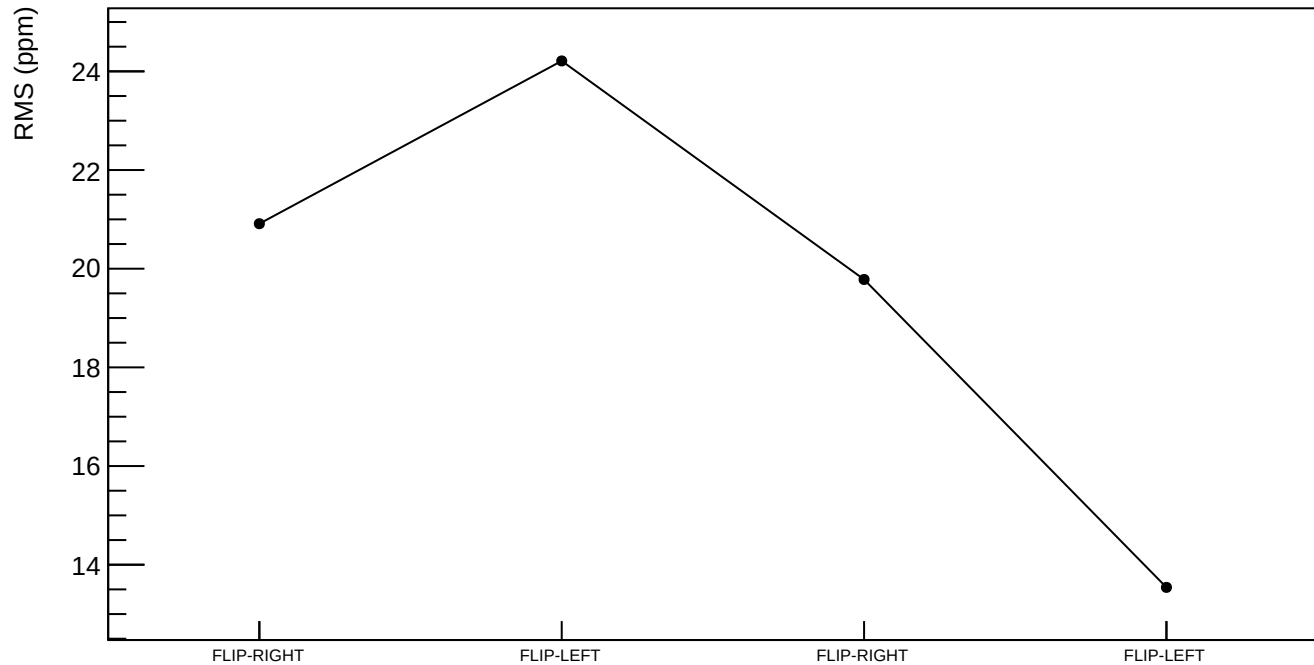
corr_Adet_bpm1Y (ppb)



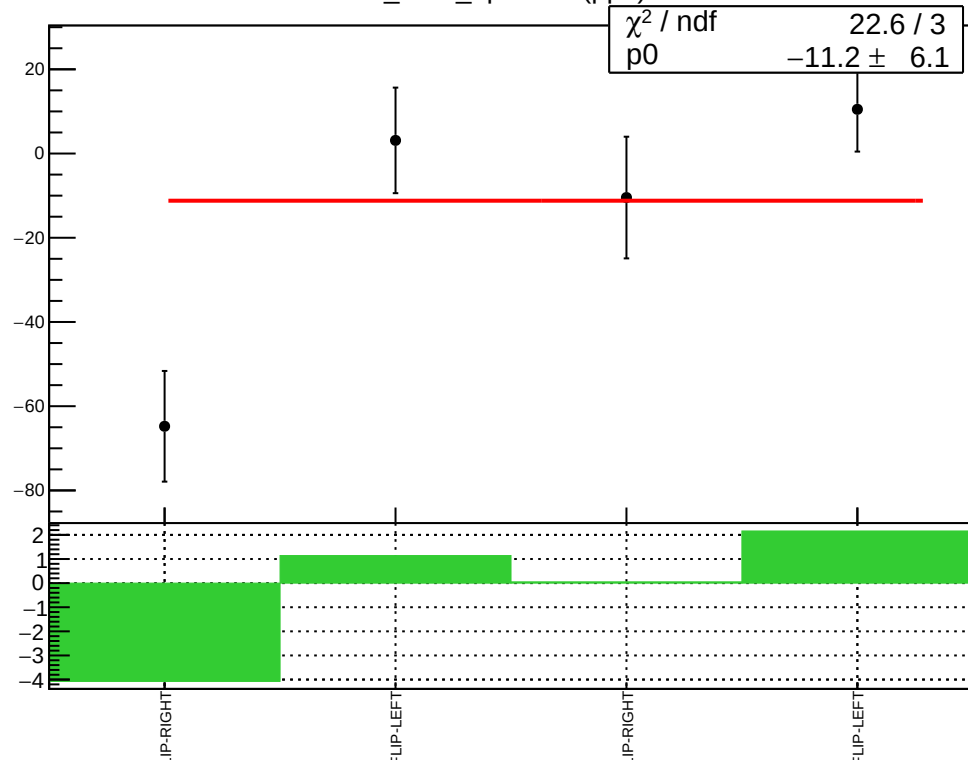
1D pull distribution



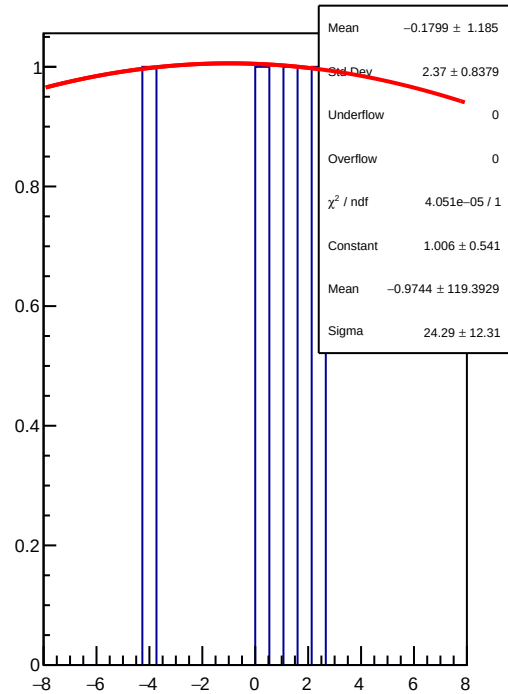
corr_Adet_bpm1Y RMS (ppm)



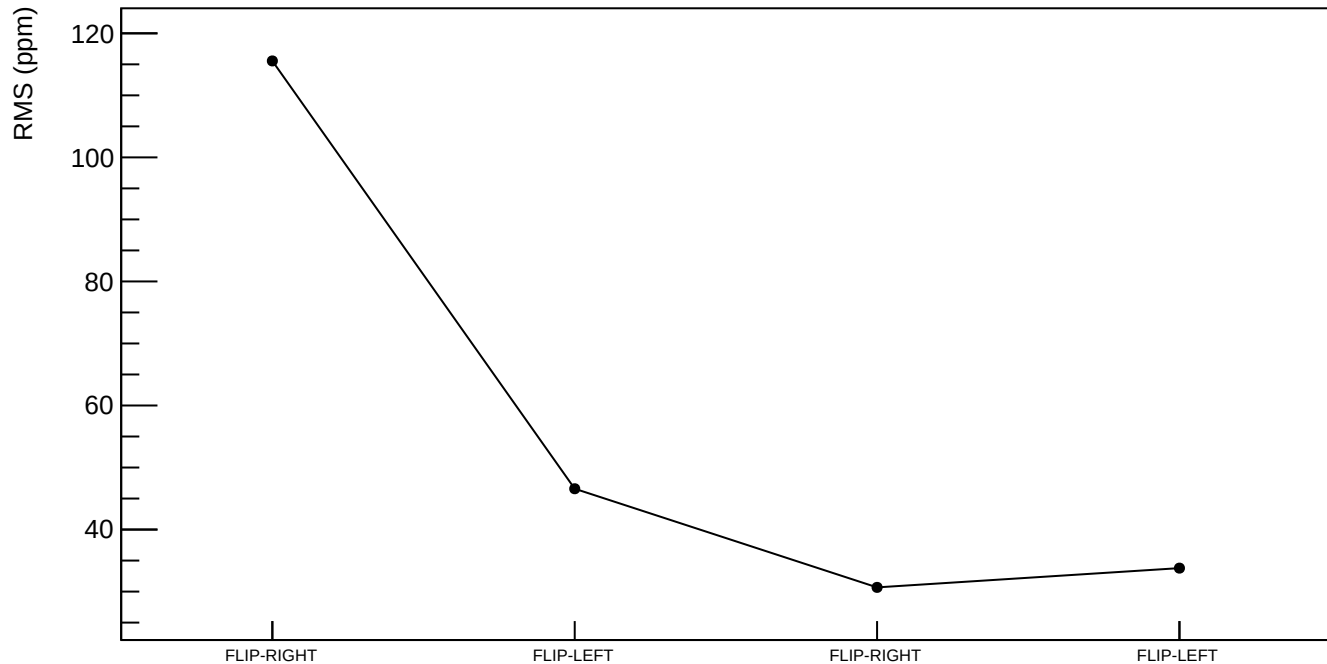
corr_Adet_bpm16X (ppb)



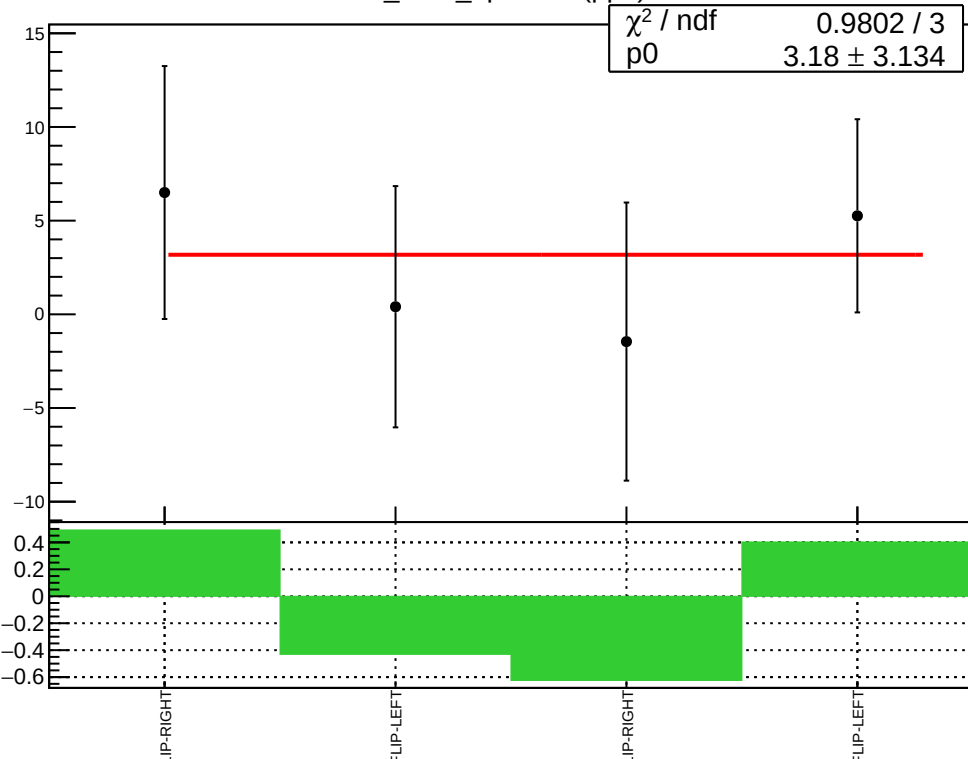
1D pull distribution



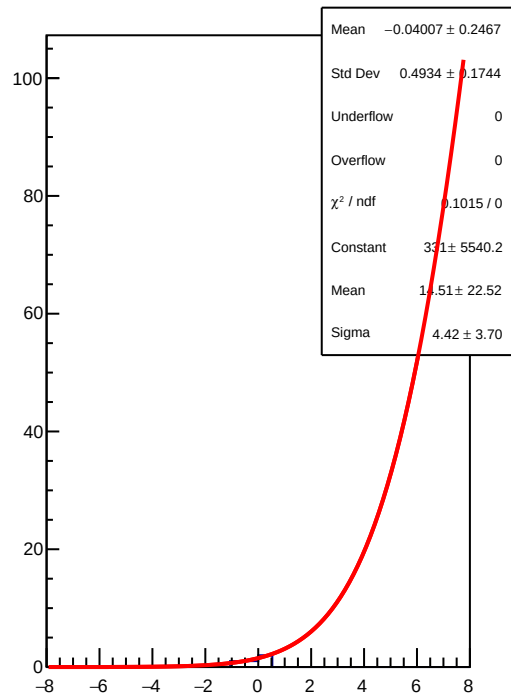
corr_Adet_bpm16X RMS (ppm)



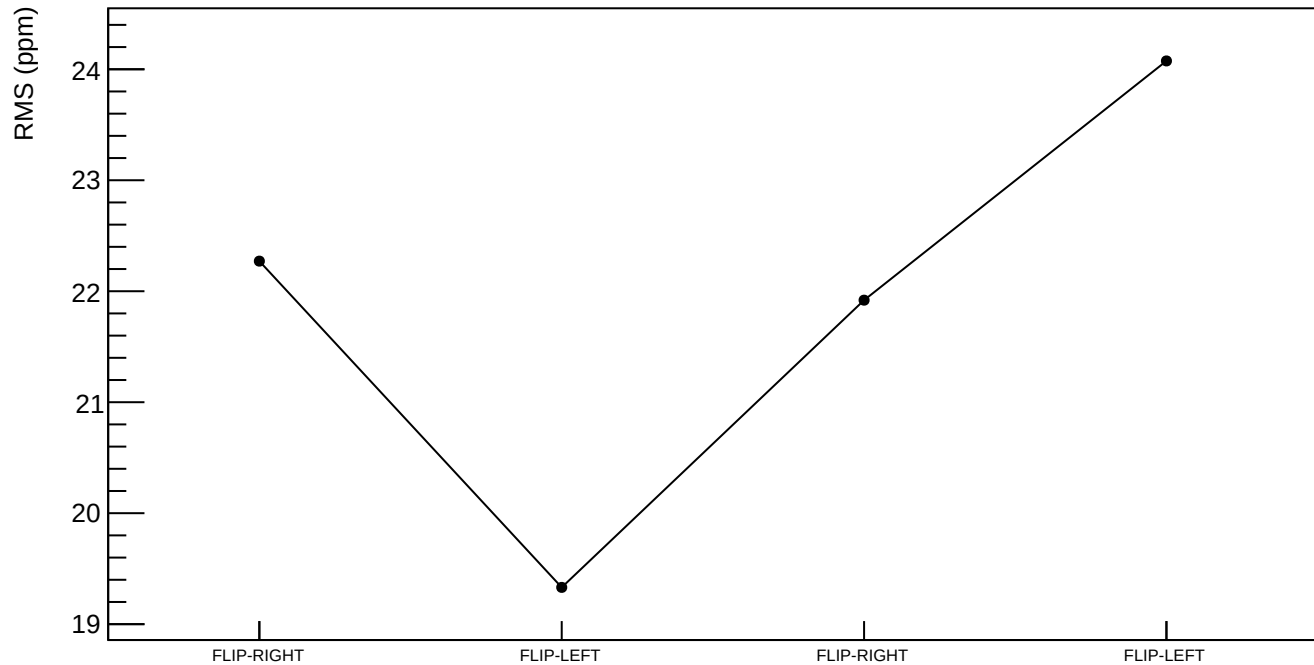
corr_Adet_bpm16Y (ppb)



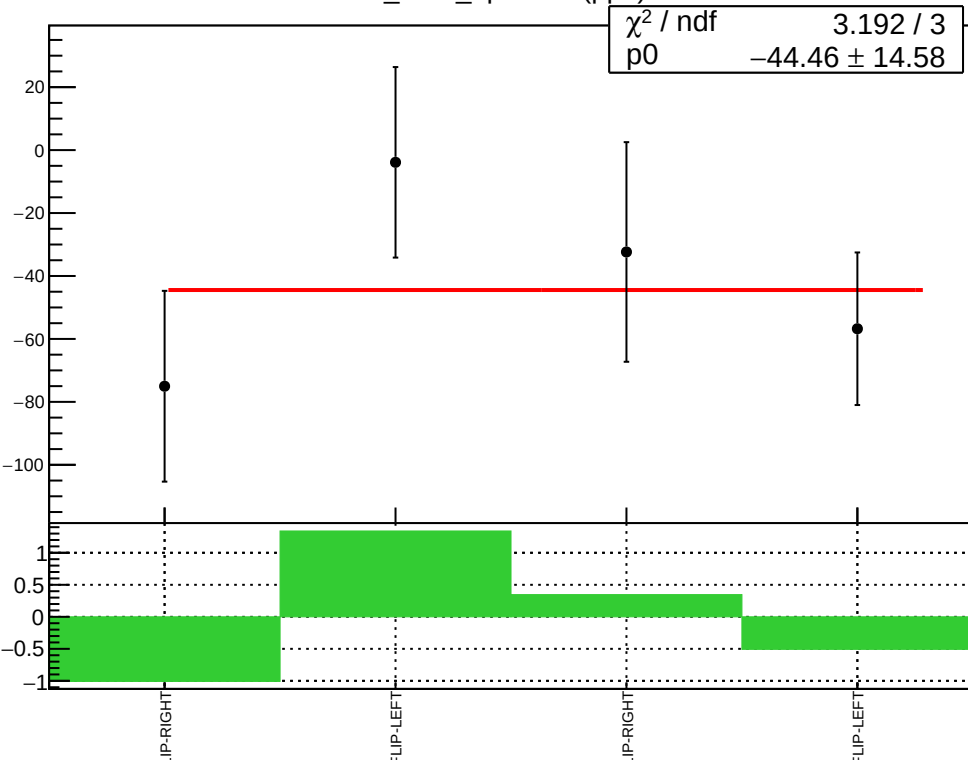
1D pull distribution



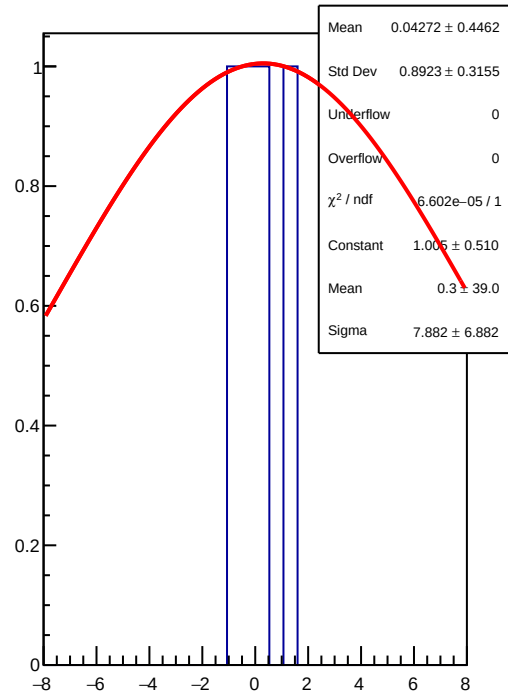
corr_Adet_bpm16Y RMS (ppm)



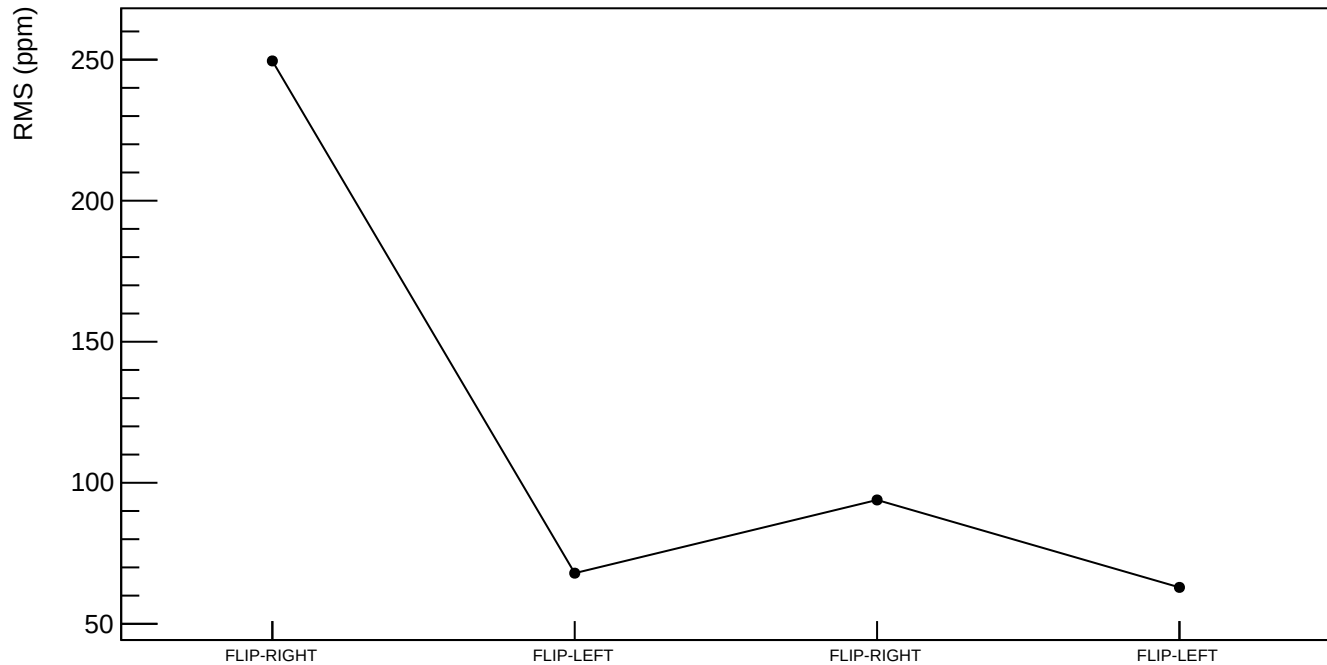
corr_Adet_bpm12X (ppb)



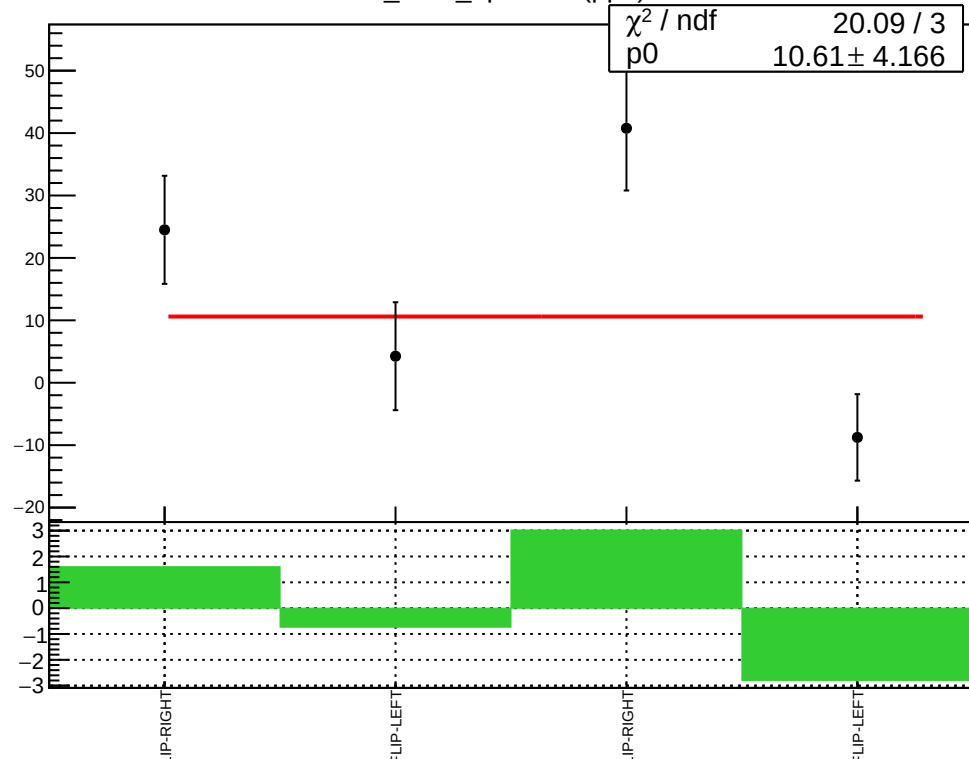
1D pull distribution



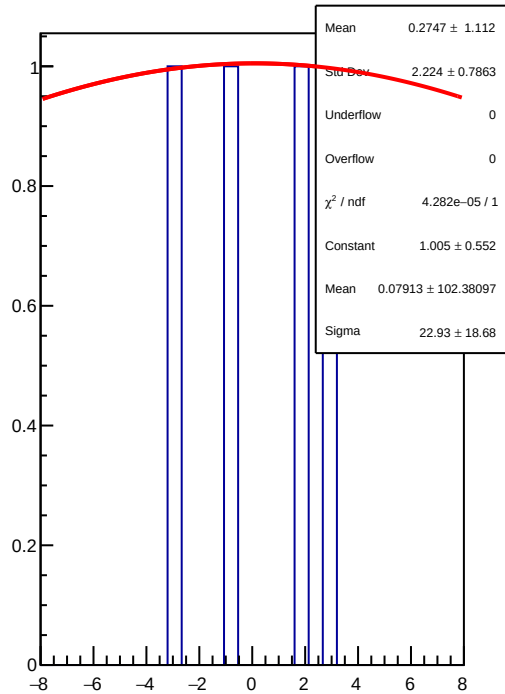
corr_Adet_bpm12X RMS (ppm)



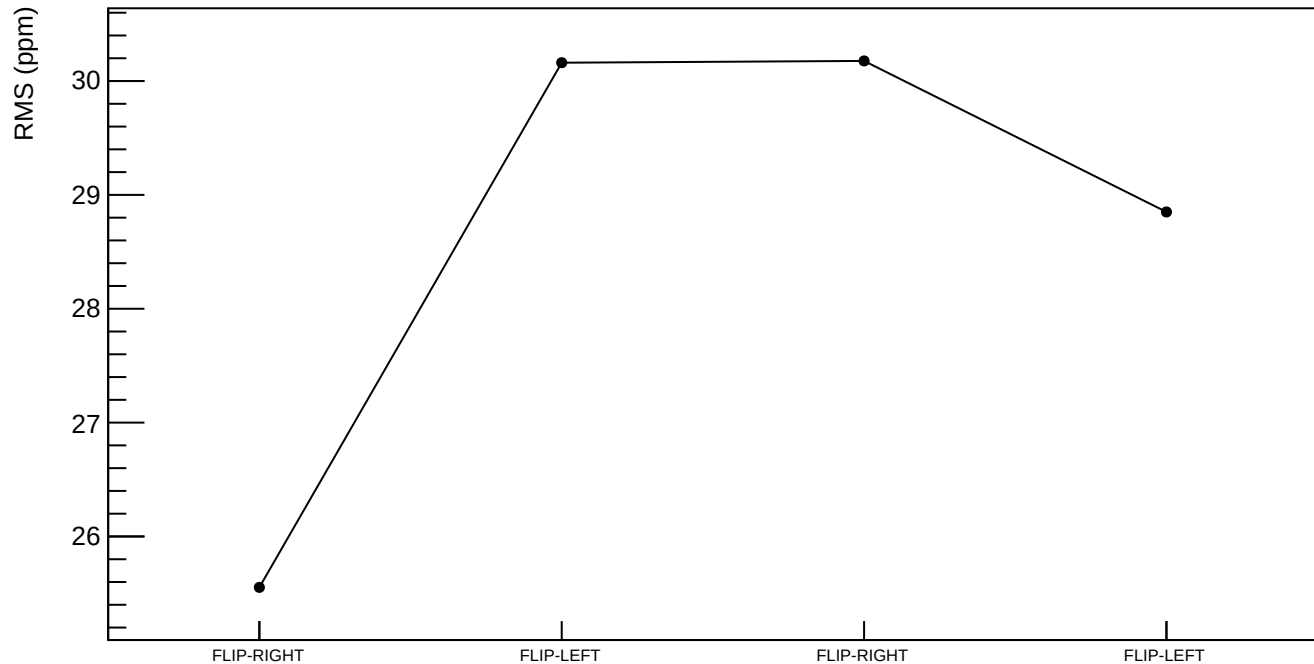
corr_Adet_bpm12Y (ppb)



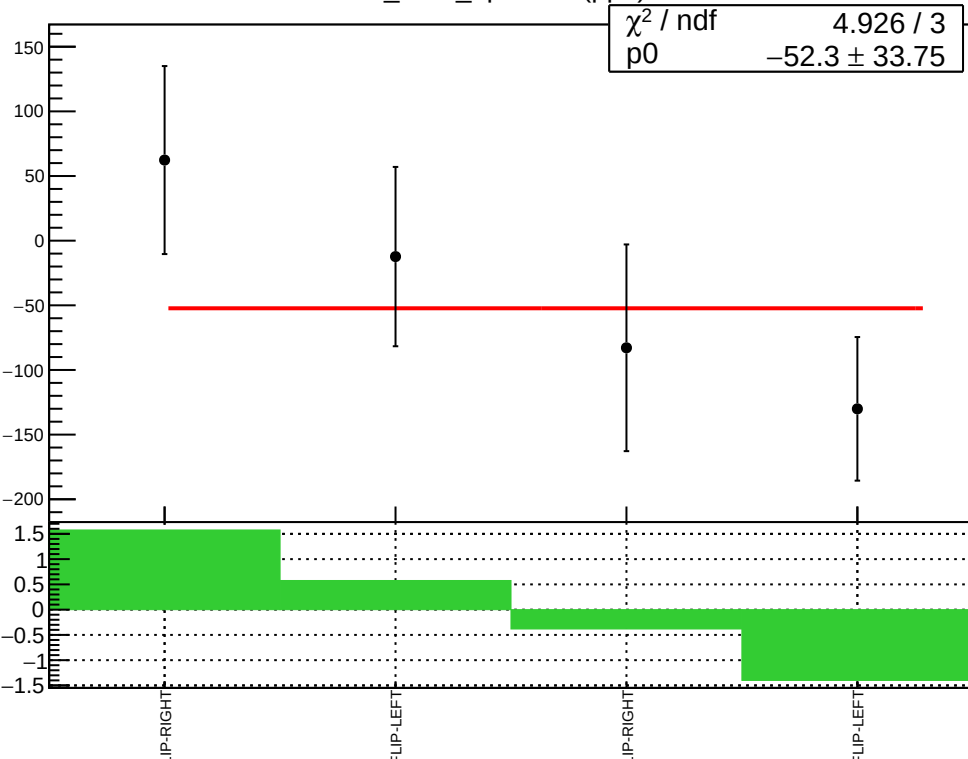
1D pull distribution



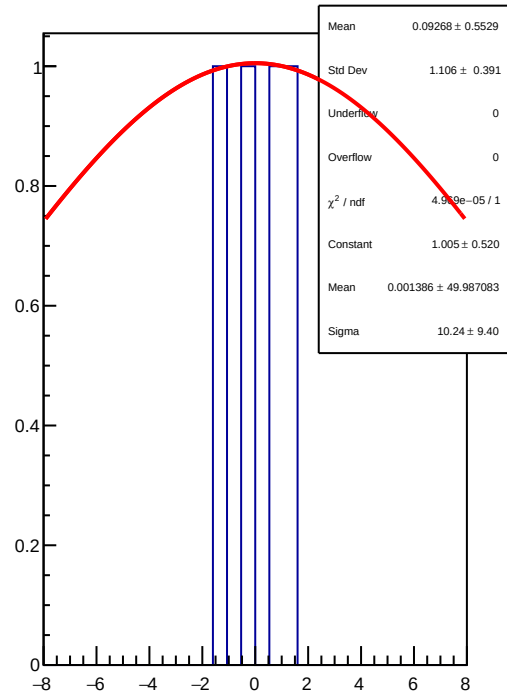
corr_Adet_bpm12Y RMS (ppm)



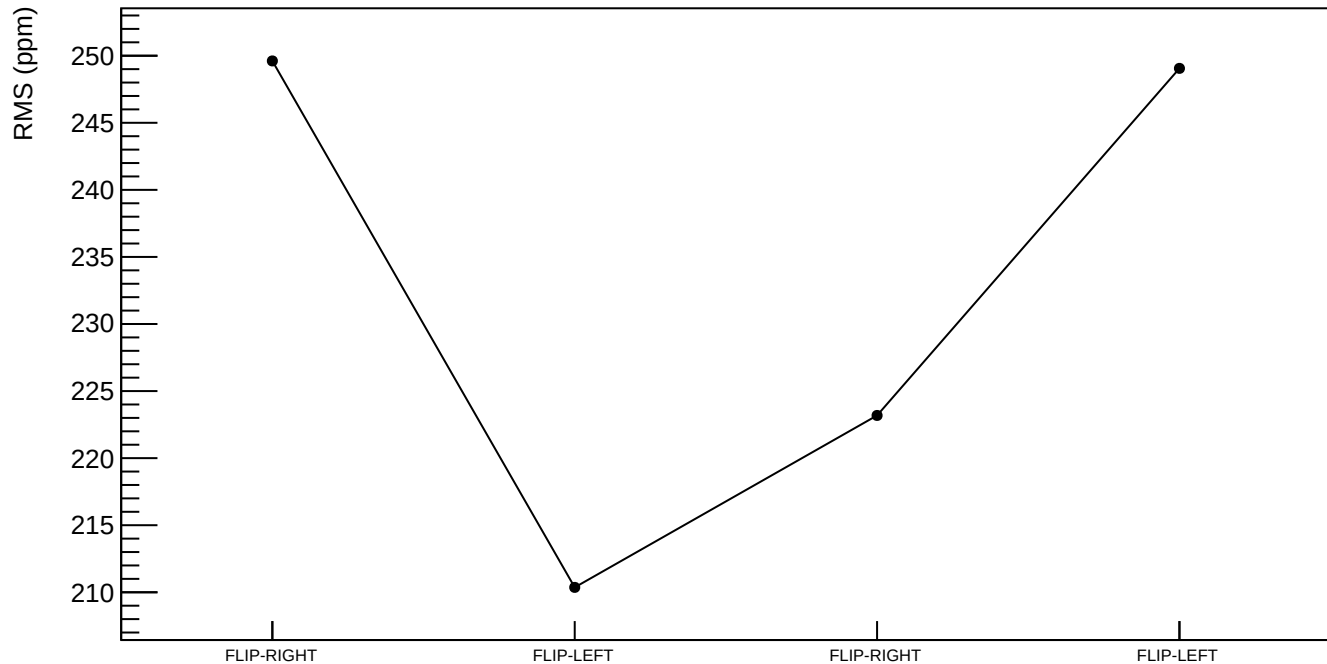
corr_Adet_bpm11X (ppb)



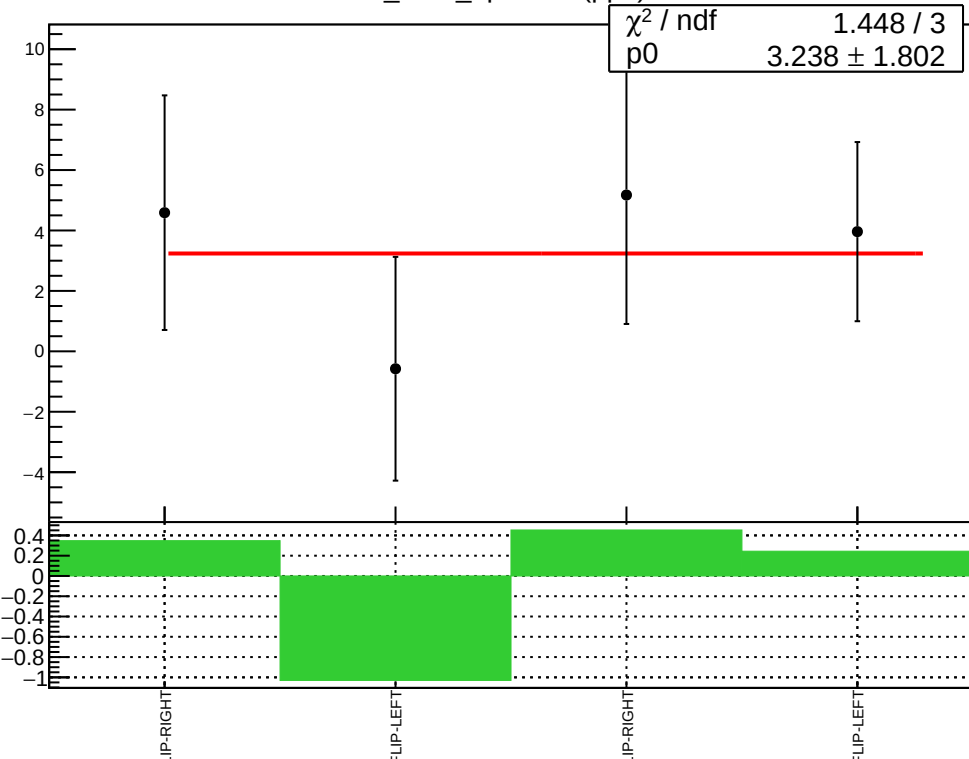
1D pull distribution



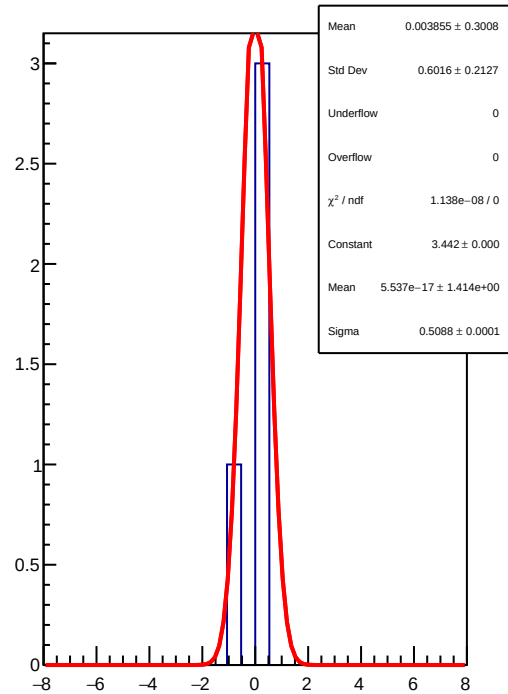
corr_Adet_bpm11X RMS (ppm)



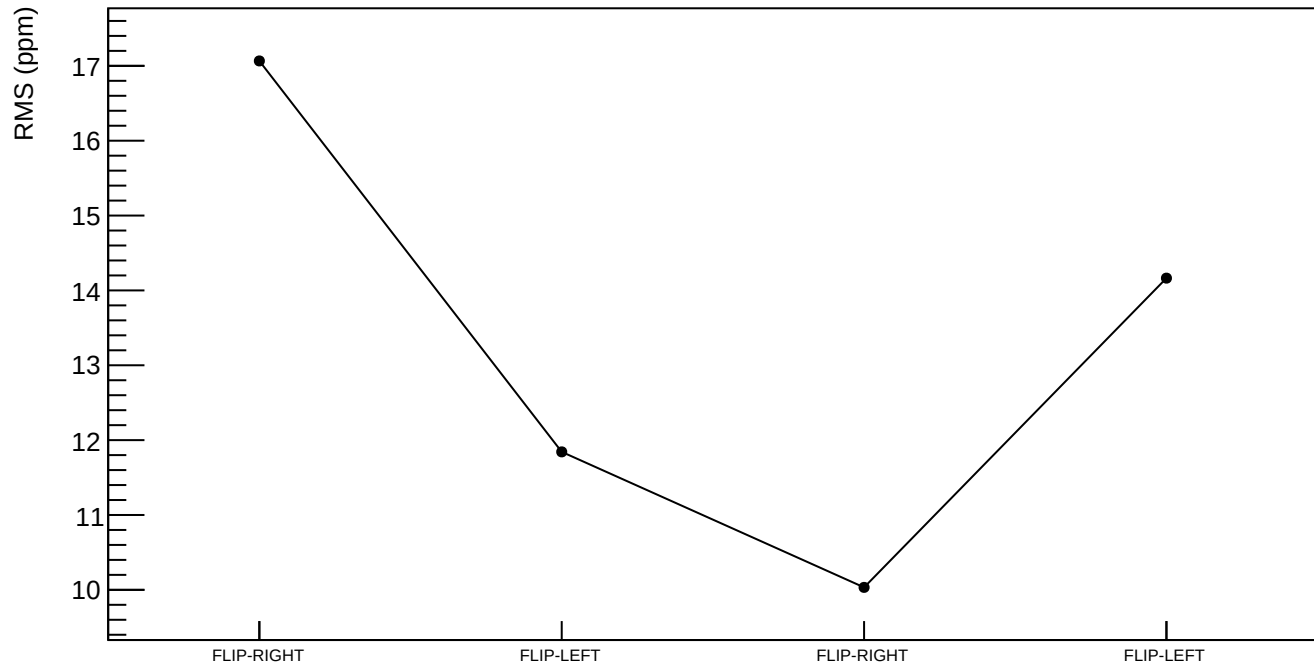
corr_Adet_bpm11Y (ppb)



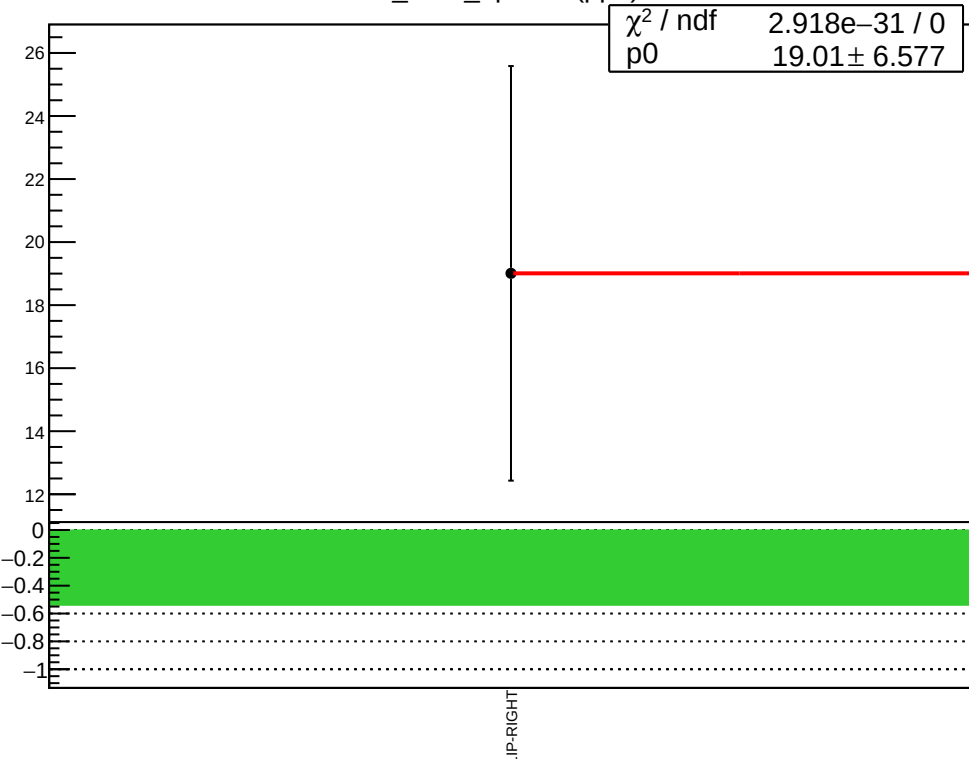
1D pull distribution



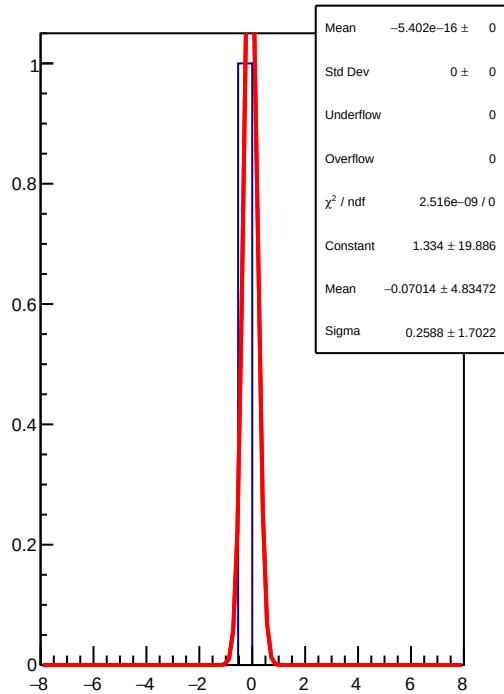
corr_Adet_bpm11Y RMS (ppm)



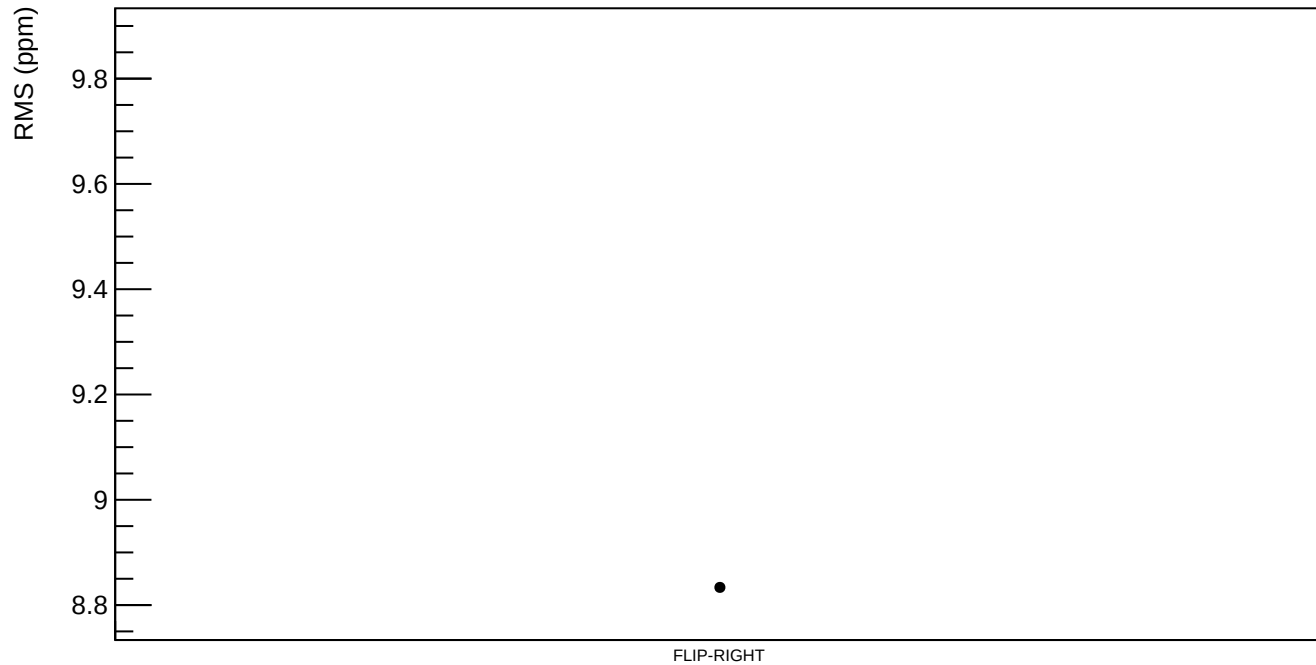
corr_Adet_bpm8X (ppb)



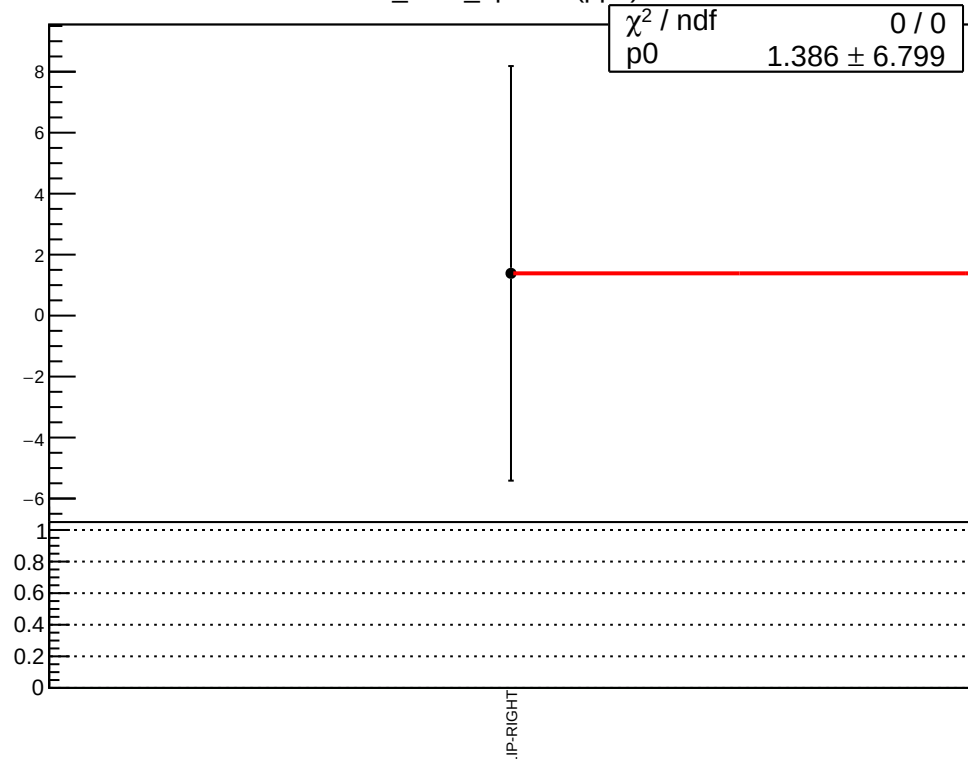
1D pull distribution



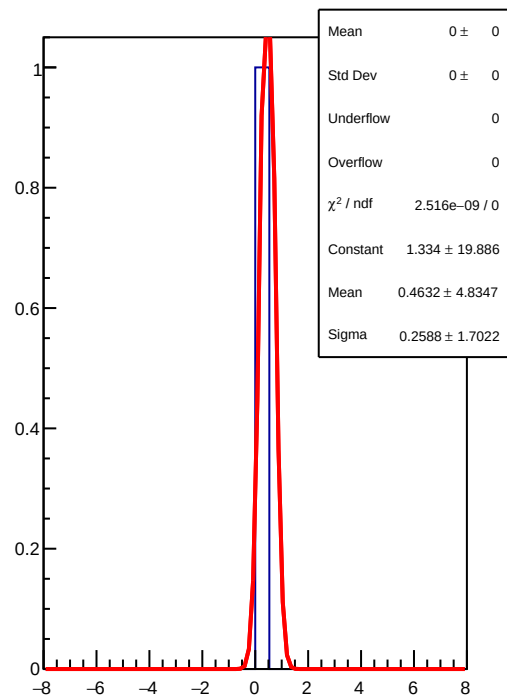
corr_Adet_bpm8X RMS (ppm)



corr_Adet_bpm8Y (ppb)



1D pull distribution



corr_Adet_bpm8Y RMS (ppm)

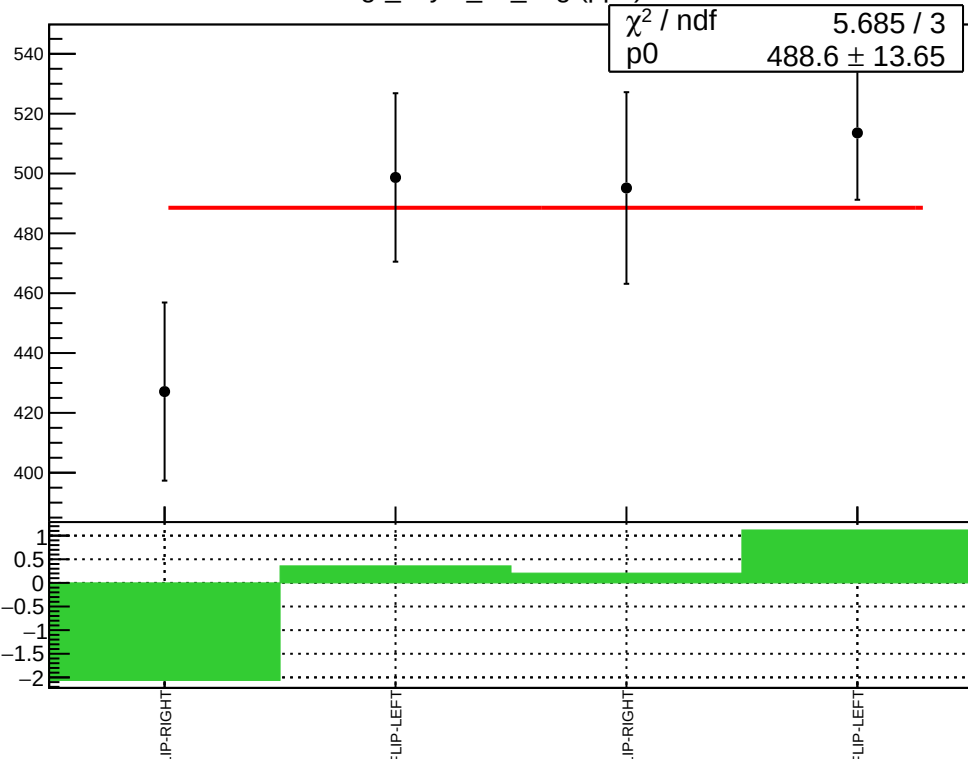
RMS (ppm)

14
13.8
13.6
13.4
13.2
13

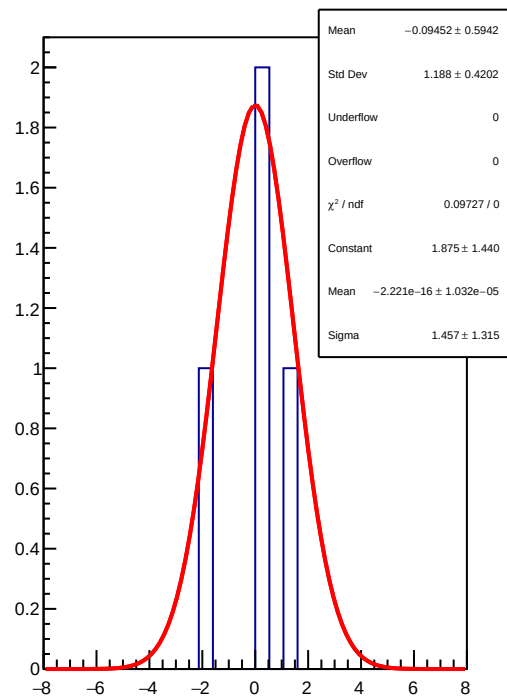
FLIP-RIGHT



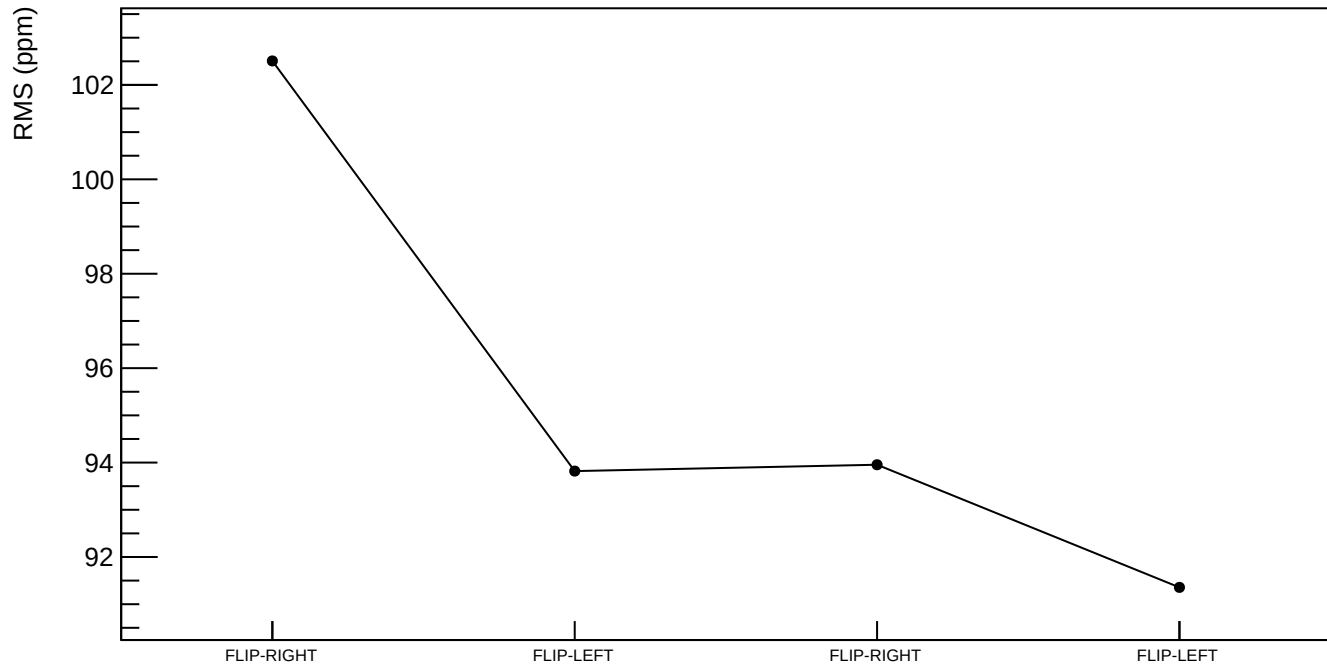
lagr_asym_us_avg (ppb)



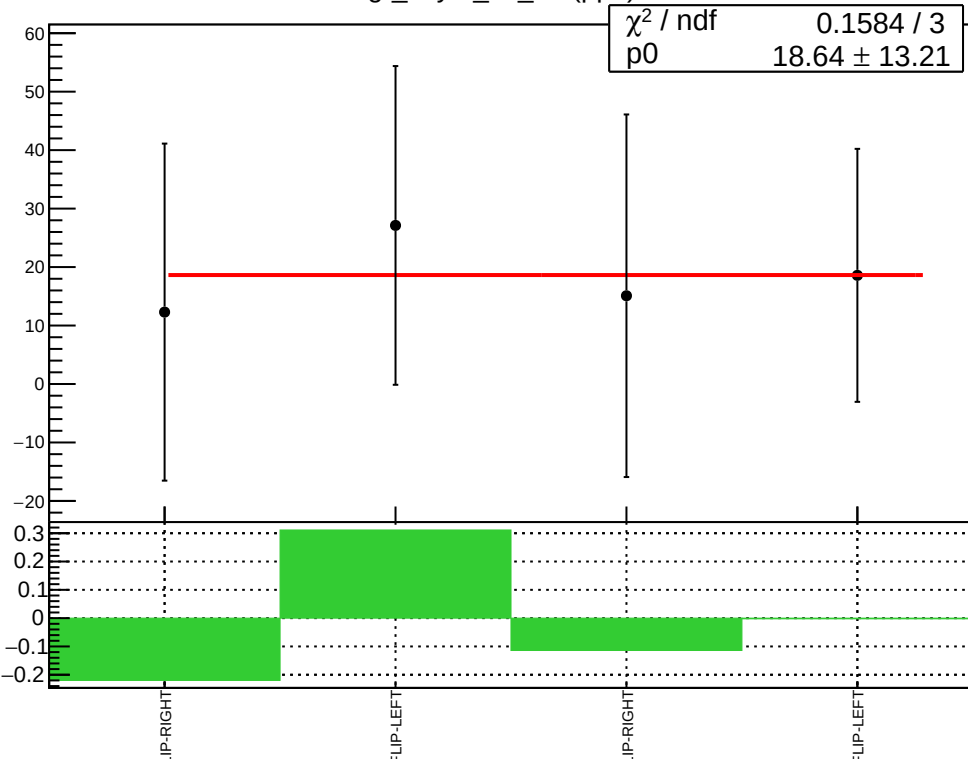
1D pull distribution



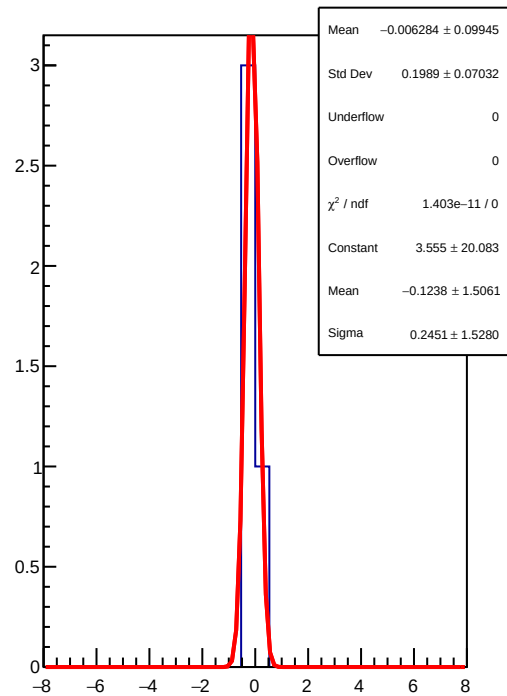
lagr_asym_us_avg RMS (ppm)



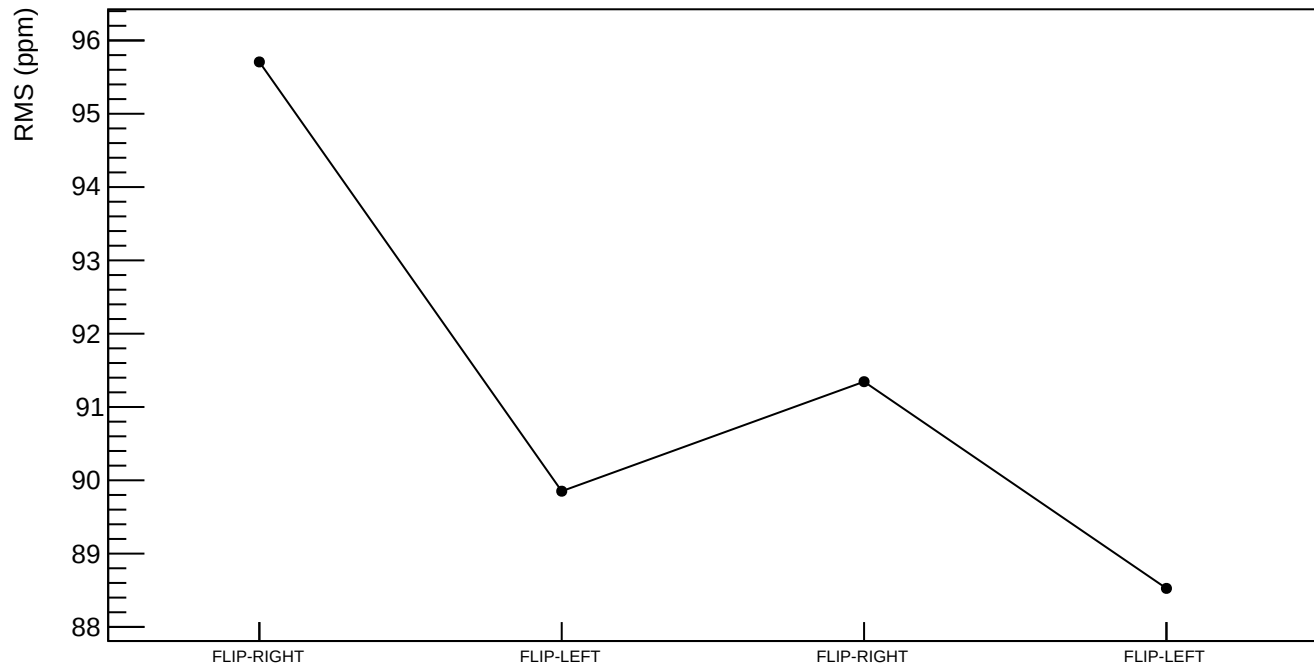
lagr_asym_us_dd (ppb)



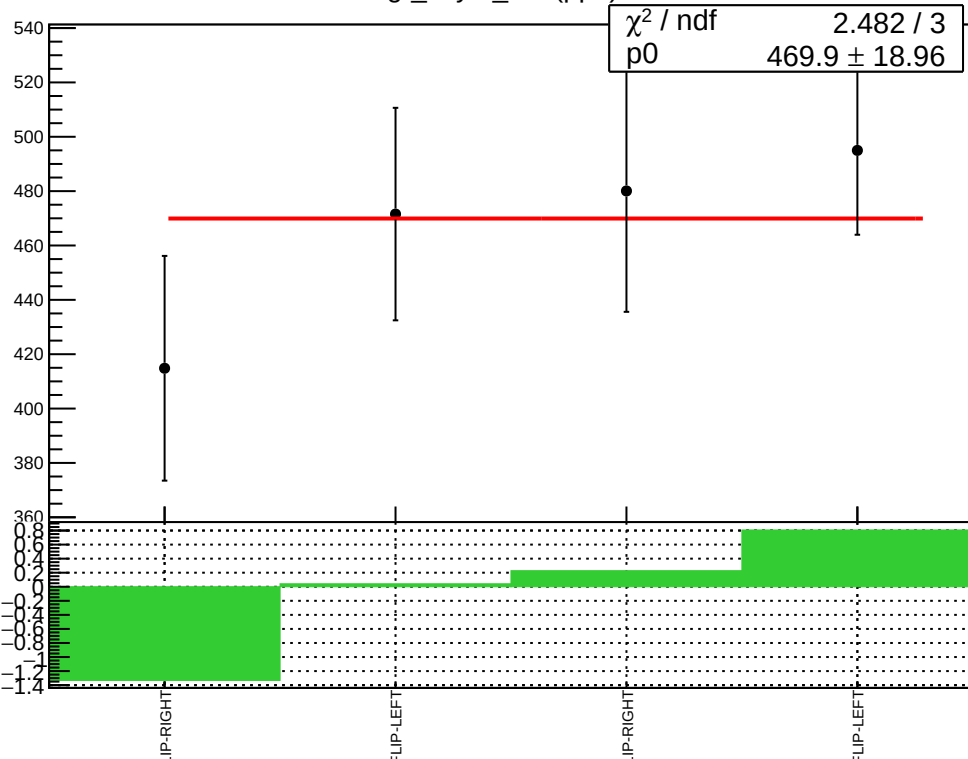
1D pull distribution



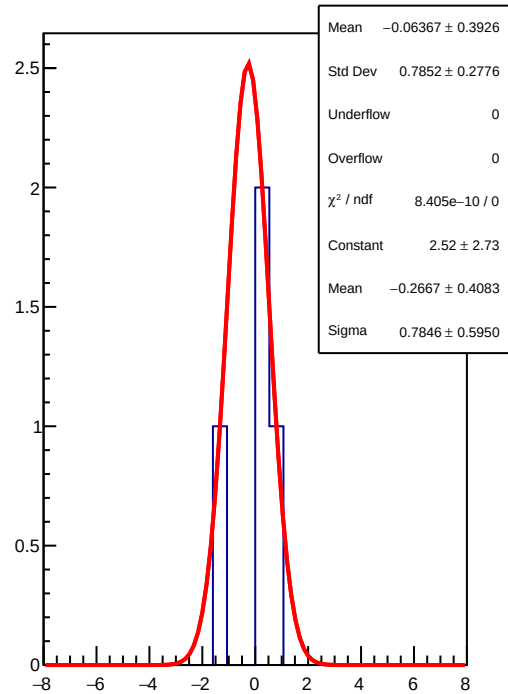
lagr_asym_us_dd RMS (ppm)



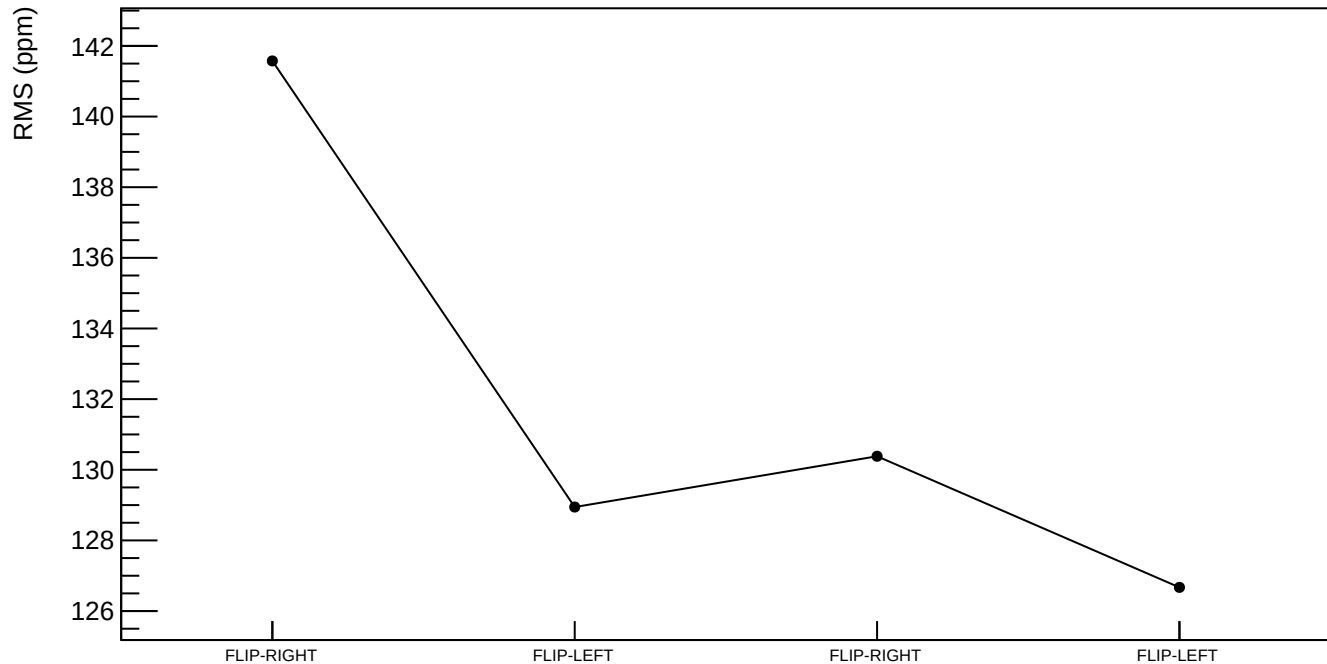
lagr_asym_usr (ppb)



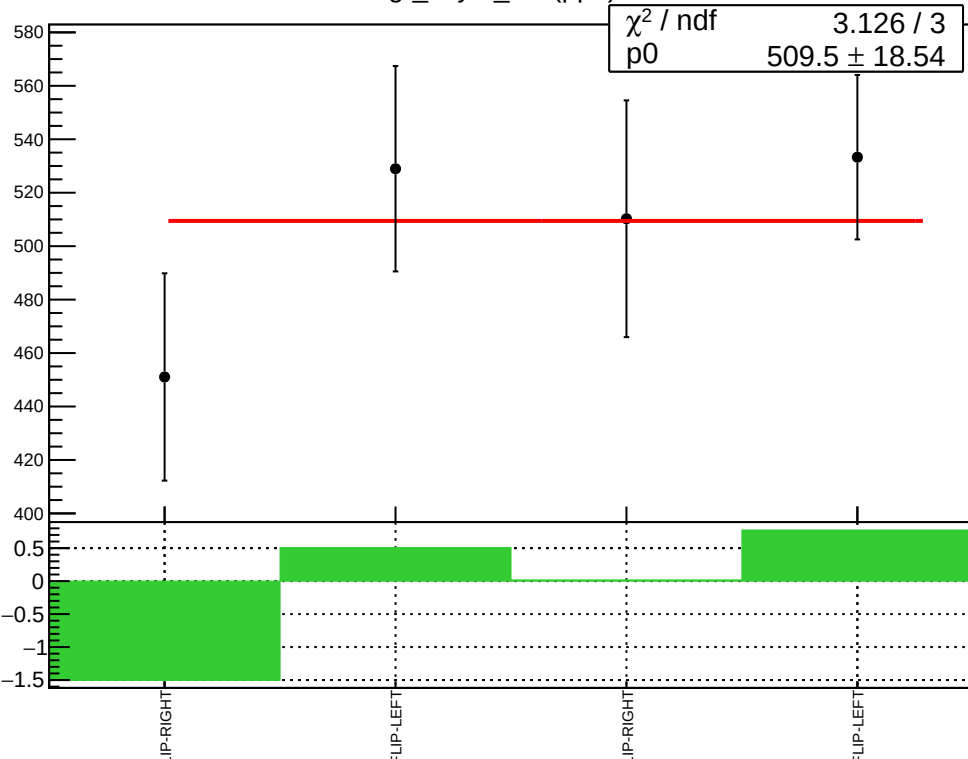
1D pull distribution



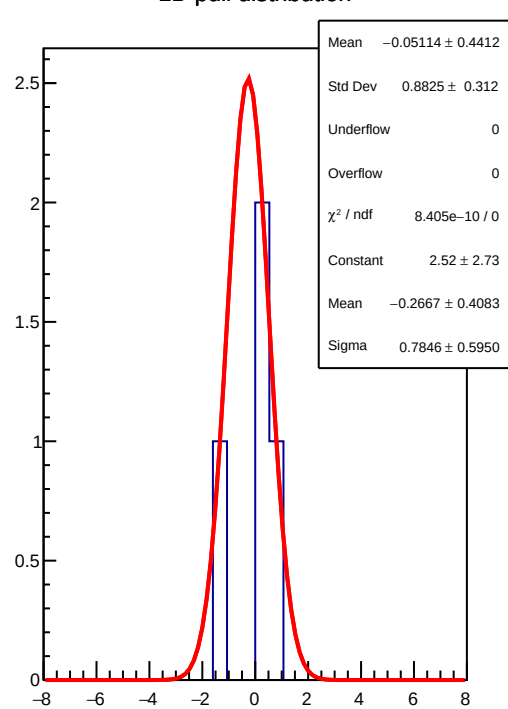
lagr_asym_usr RMS (ppm)



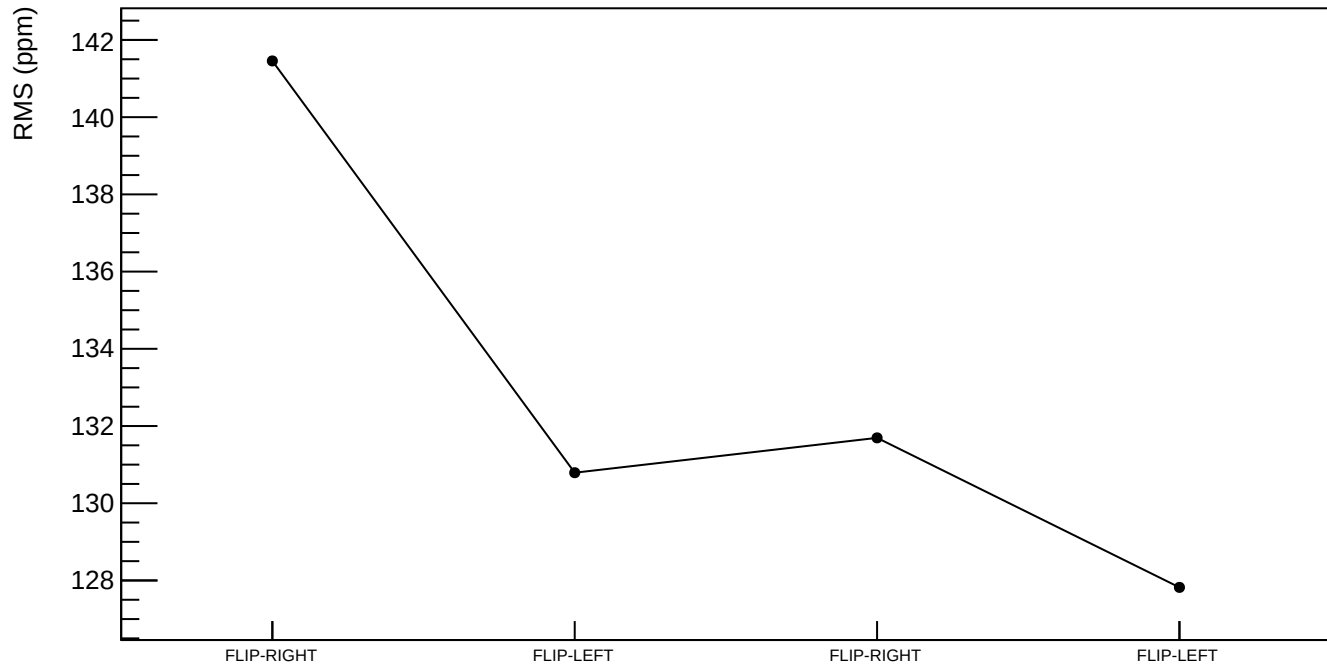
lagr_asym_usl (ppb)



1D pull distribution



lagr_asym_usl RMS (ppm)

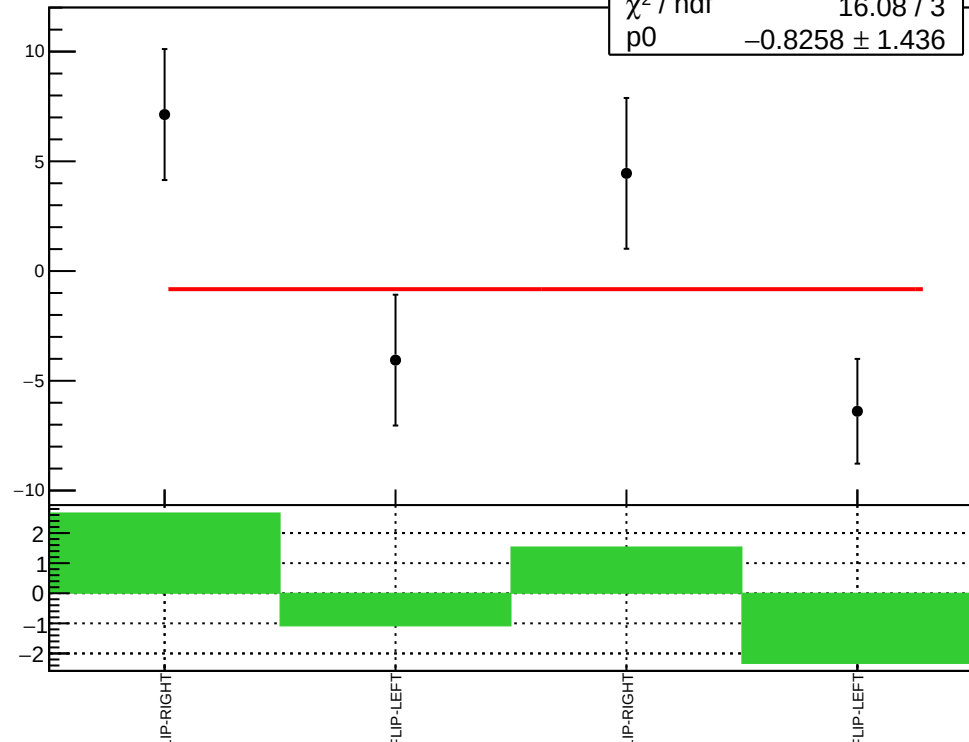


diff_bpm4eX (nm)

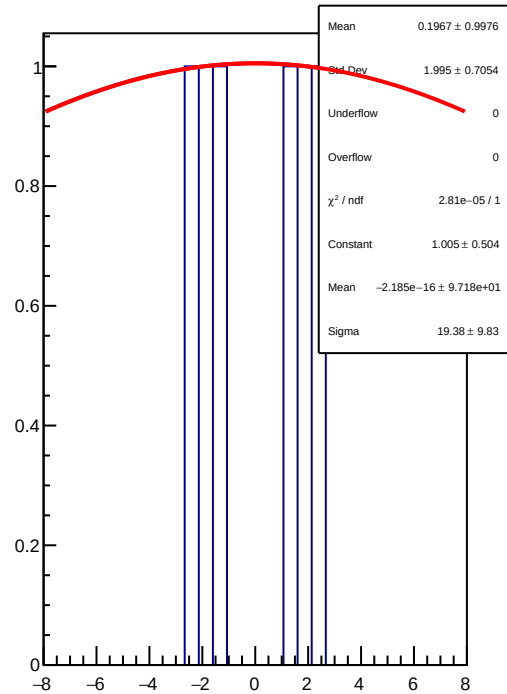
 χ^2 / ndf

16.08 / 3

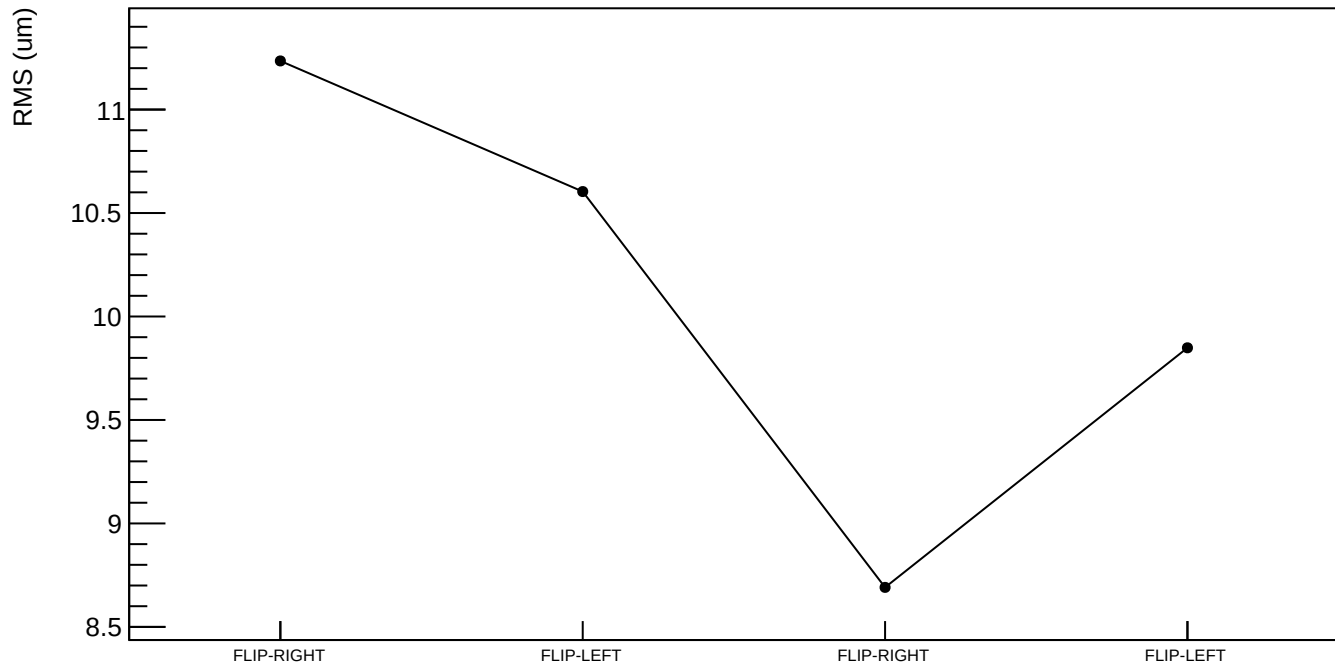
p0

 -0.8258 ± 1.436 

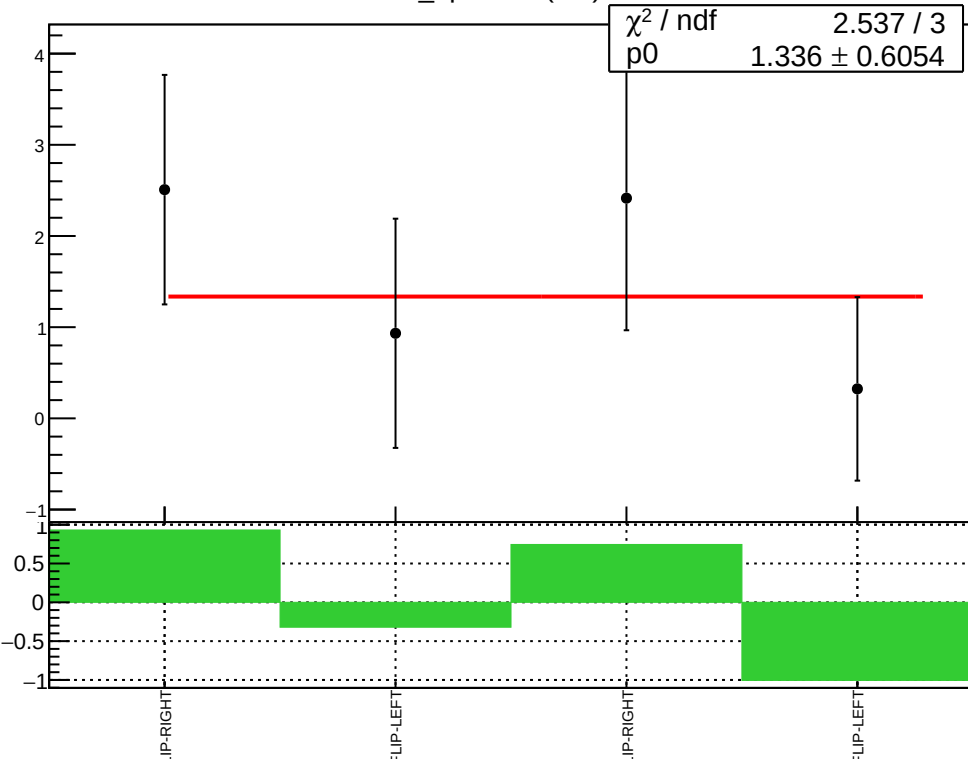
1D pull distribution



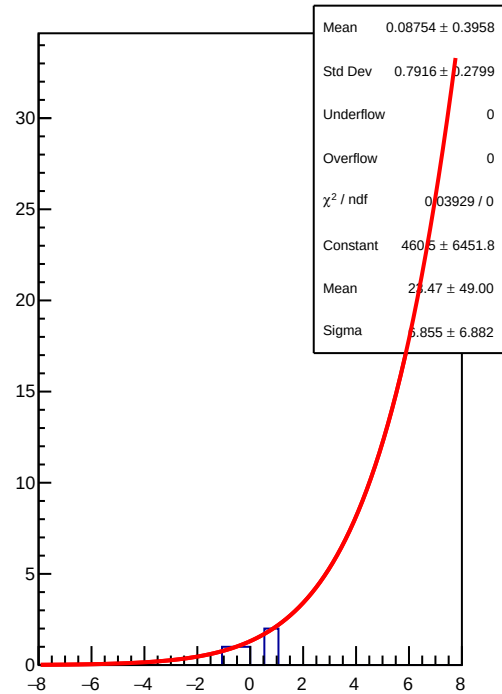
diff_bpm4eX RMS (μm)



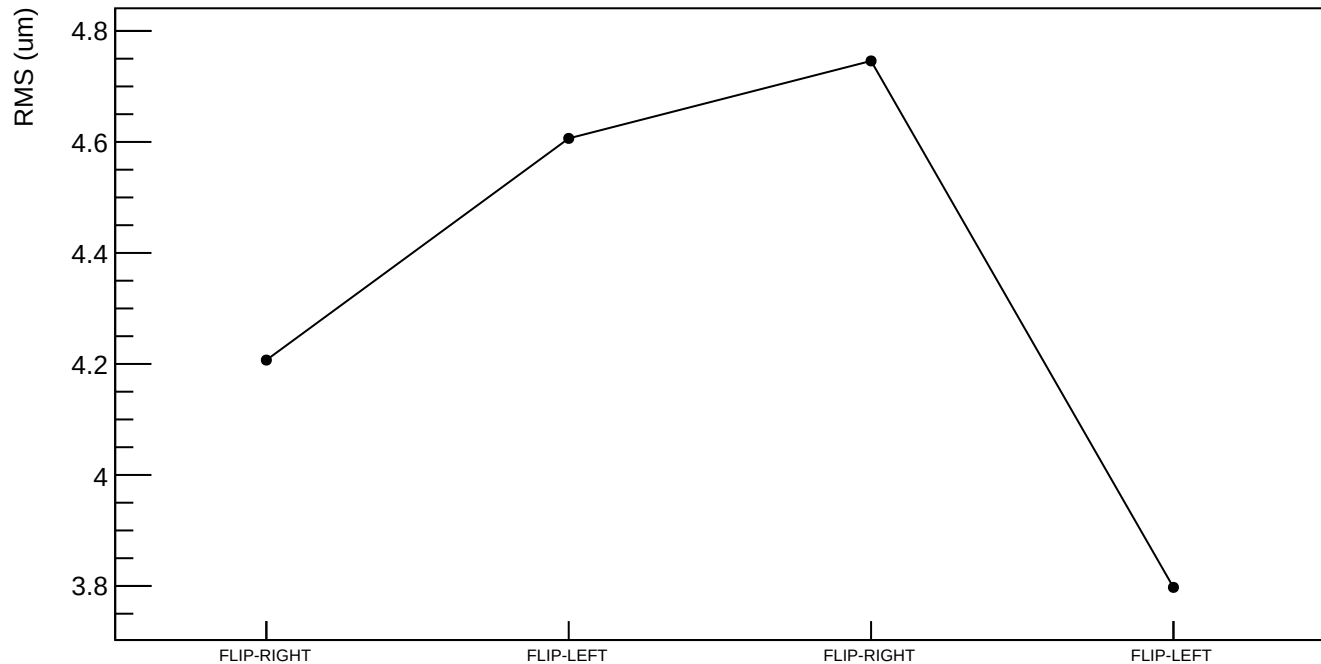
diff_bpm4eY (nm)



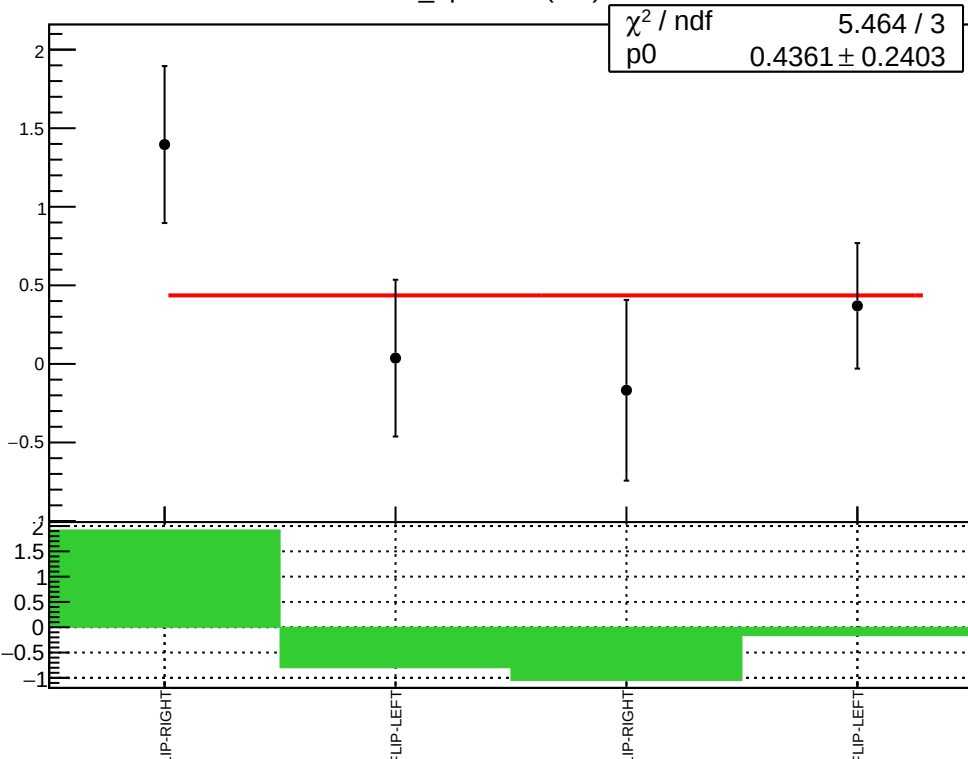
1D pull distribution



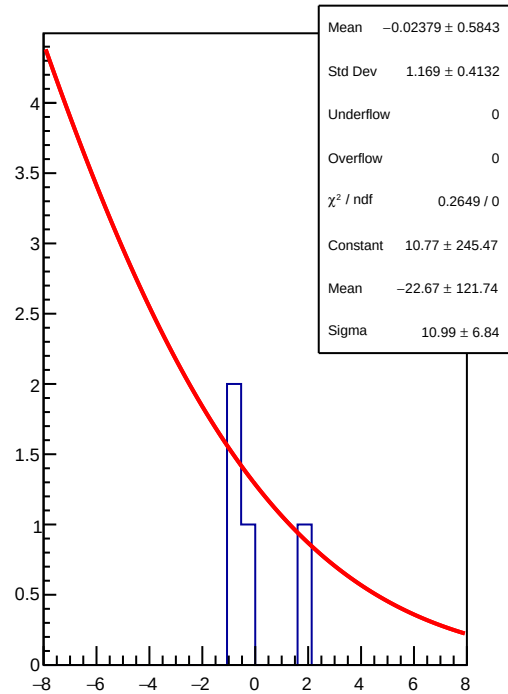
diff_bpm4eY RMS (μm)



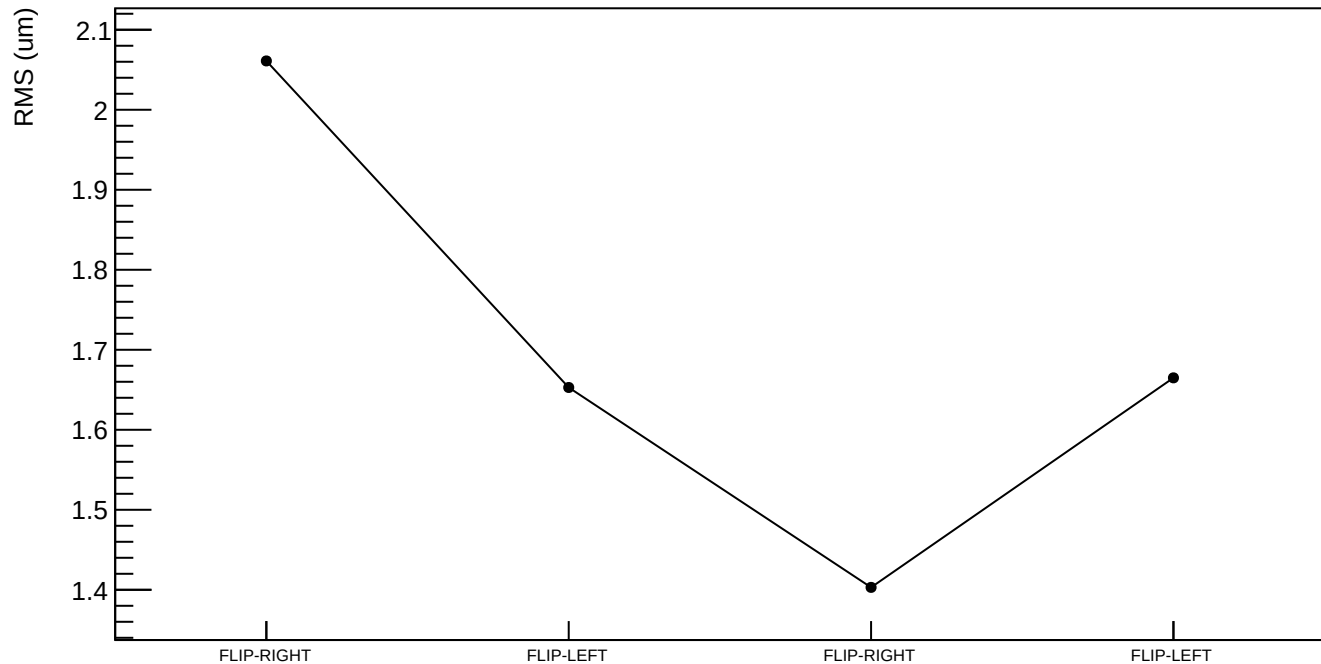
diff_bpm4aX (nm)



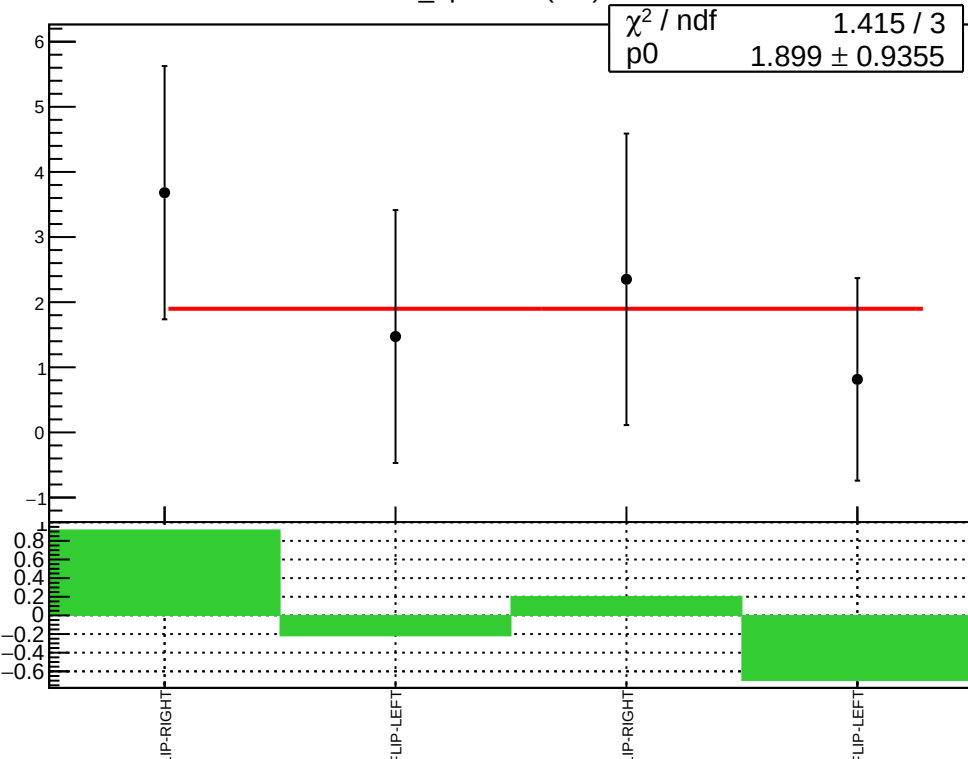
1D pull distribution



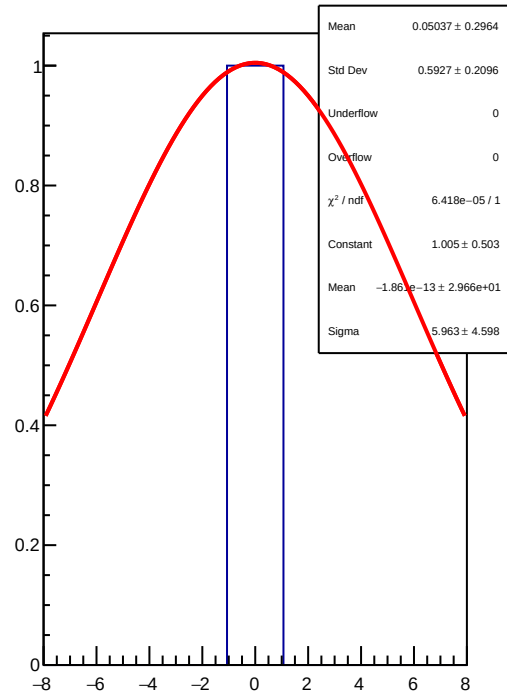
diff_bpm4aX RMS (μm)



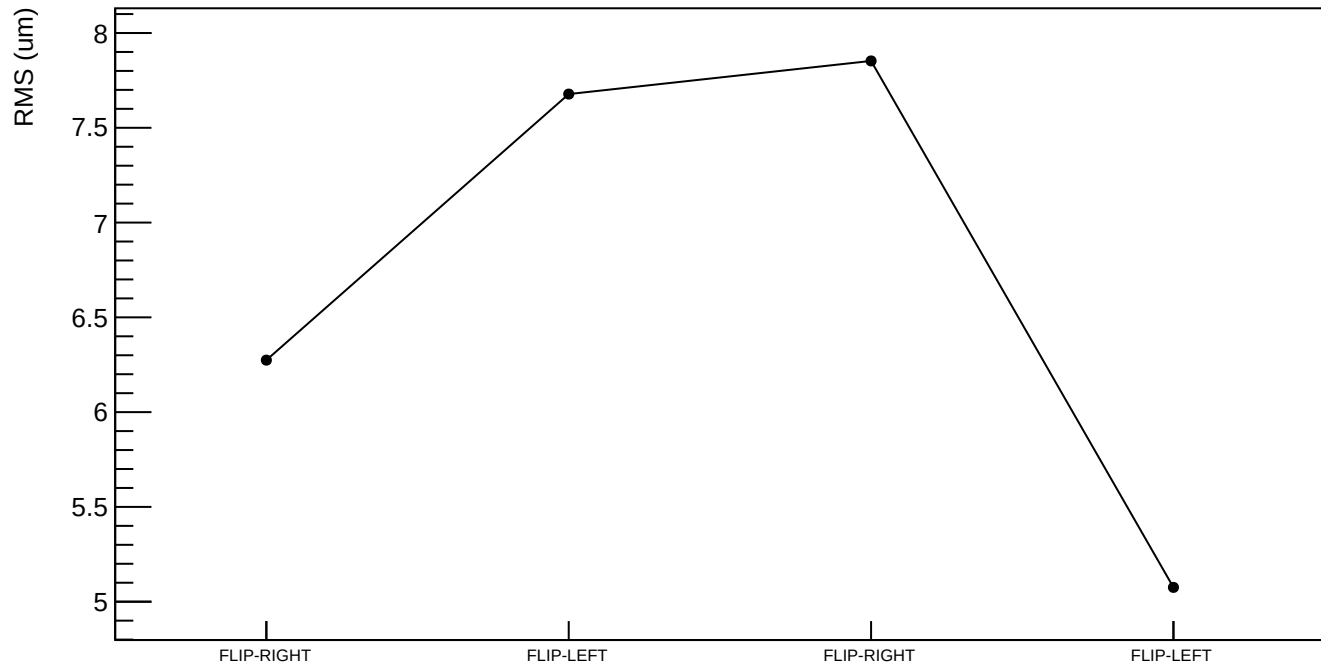
diff_bpm4aY (nm)



1D pull distribution



diff_bpm4aY RMS (μm)

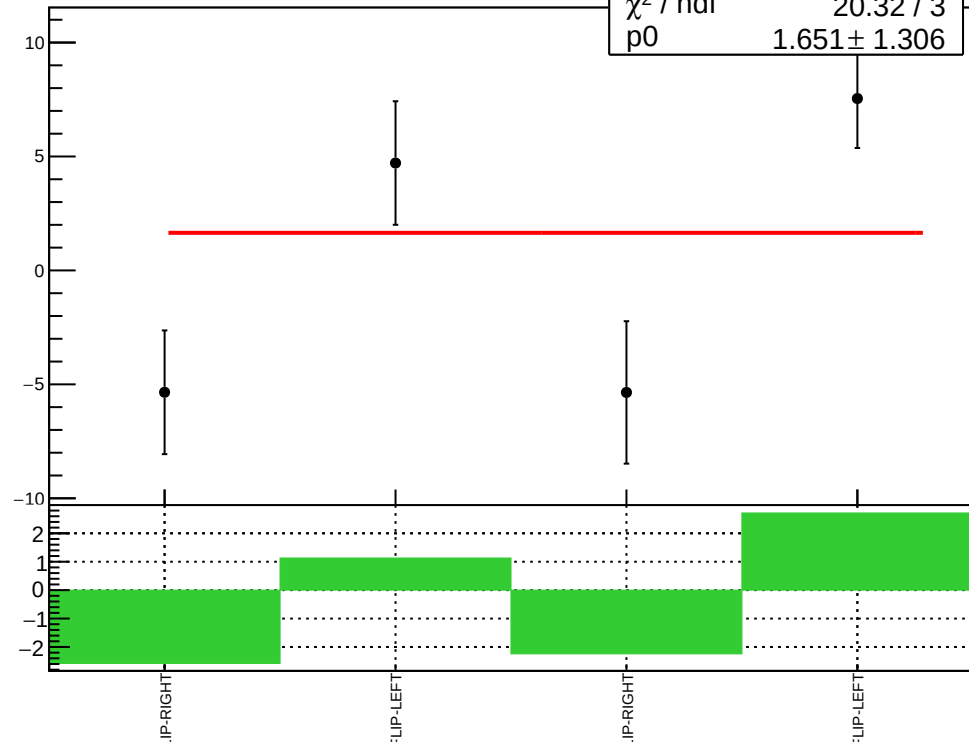


diff_bpm1X (nm)

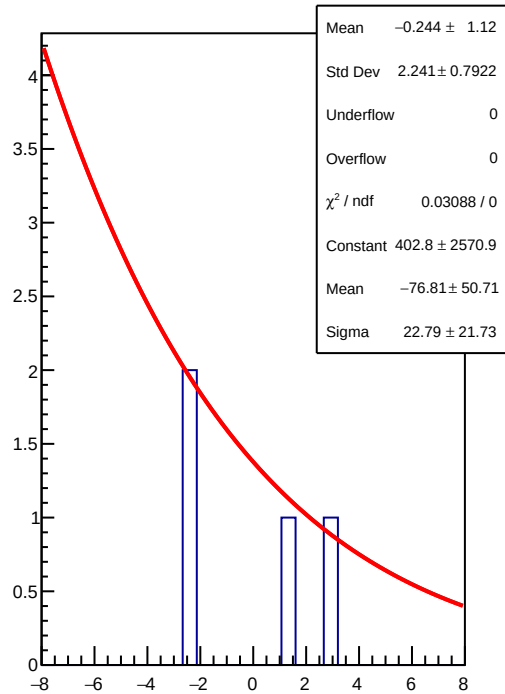
 χ^2 / ndf

20.32 / 3

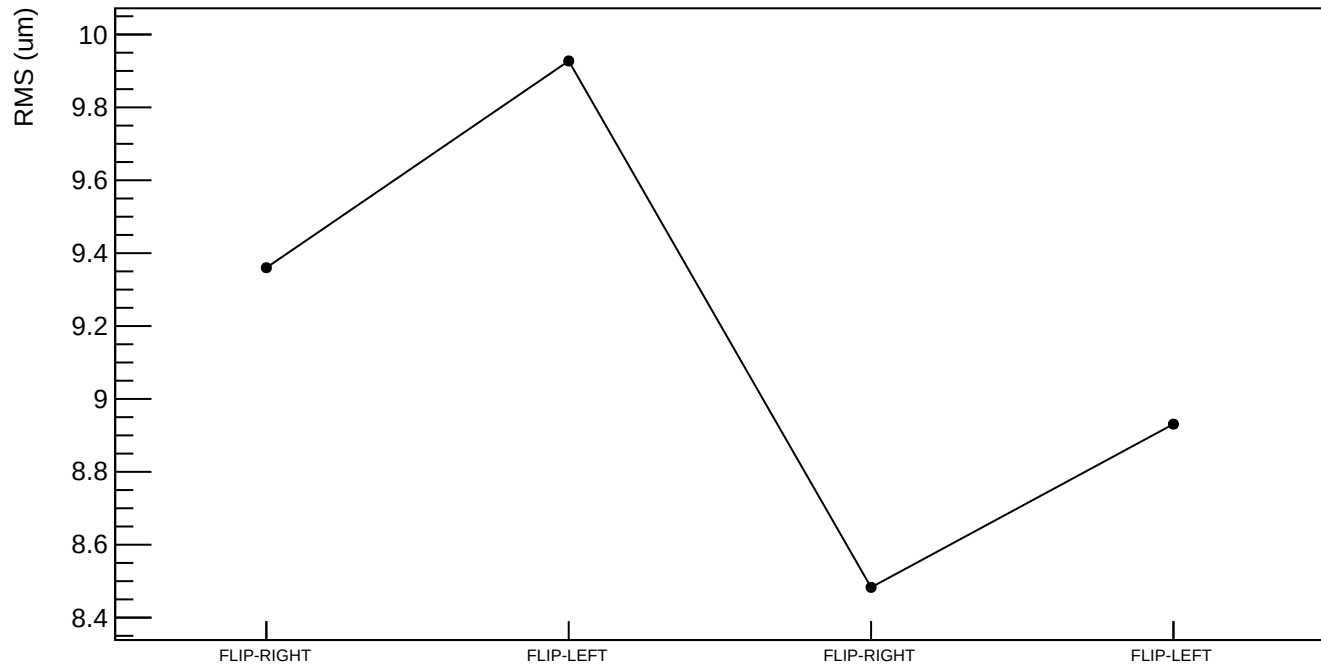
p0

 1.651 ± 1.306 

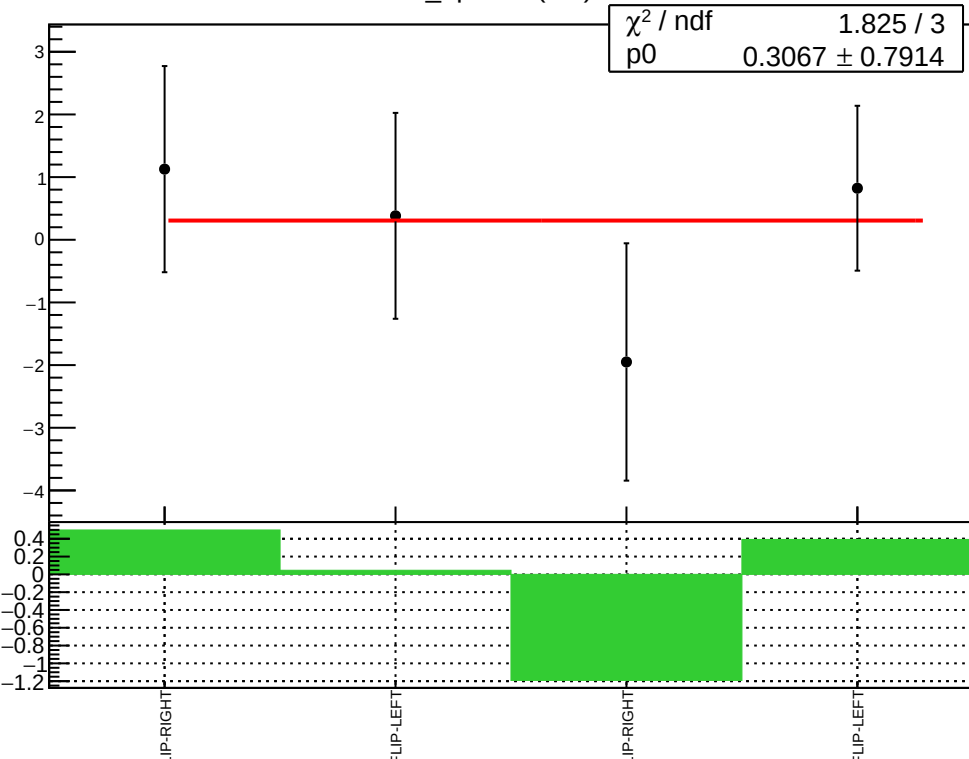
1D pull distribution



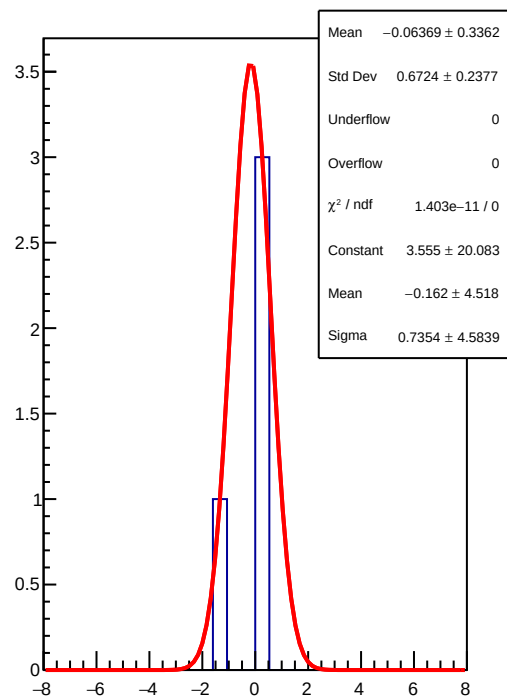
diff_bpm1X RMS (μm)



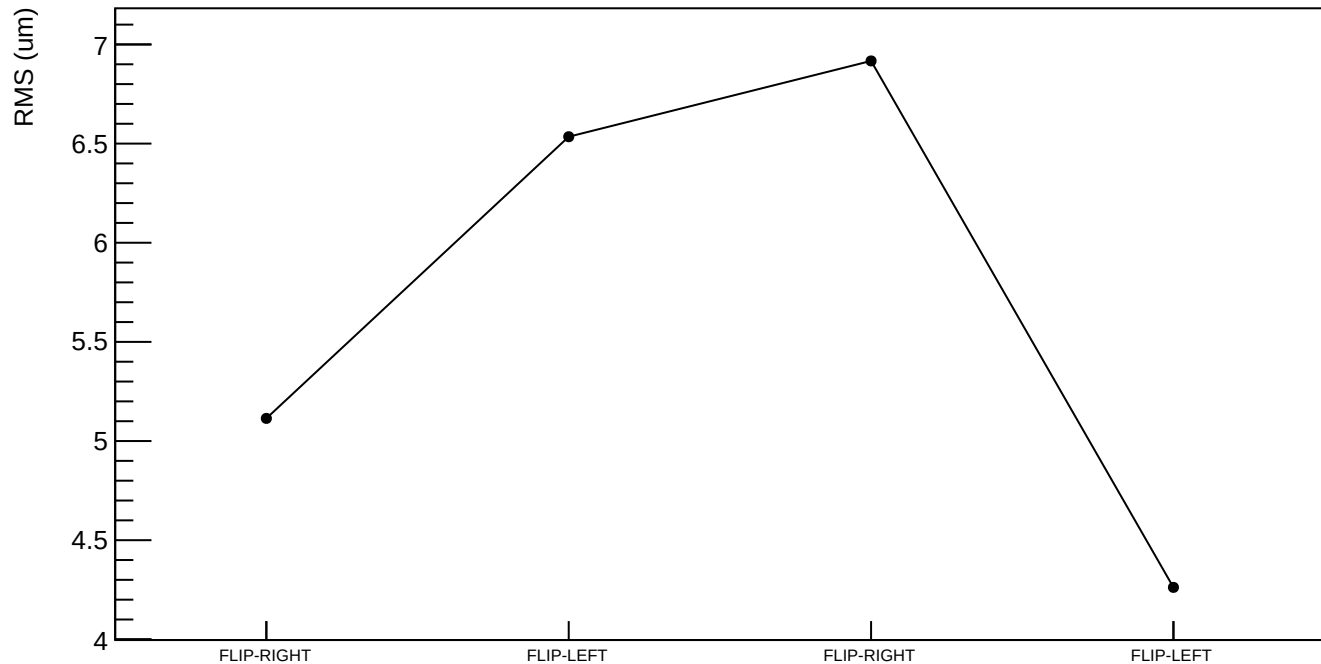
diff_bpm1Y (nm)



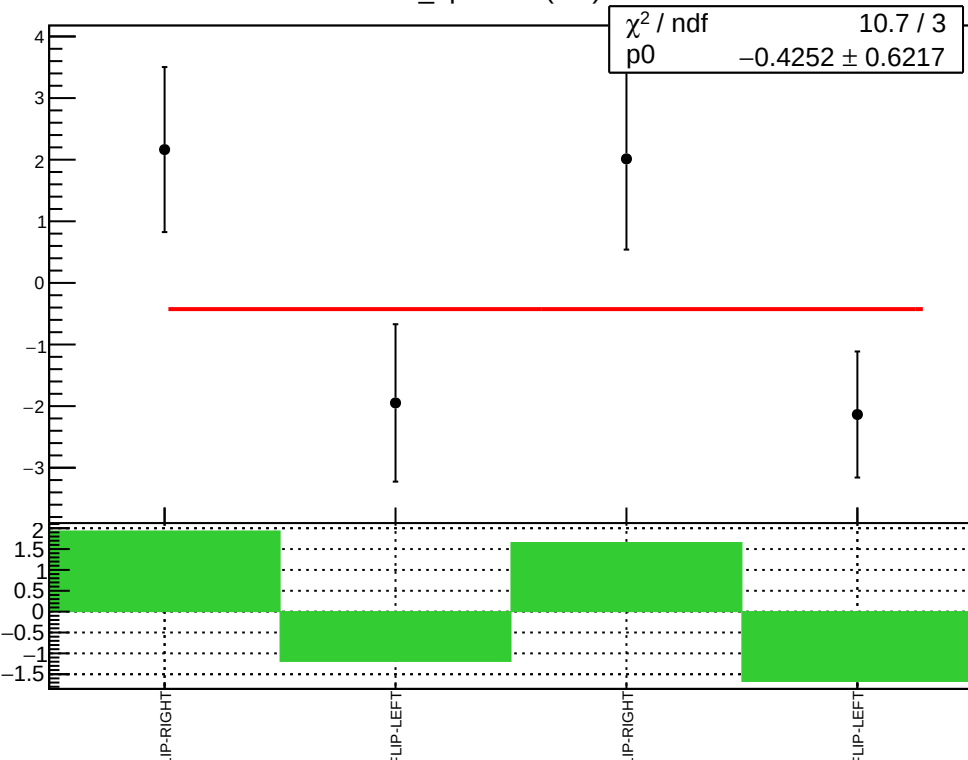
1D pull distribution



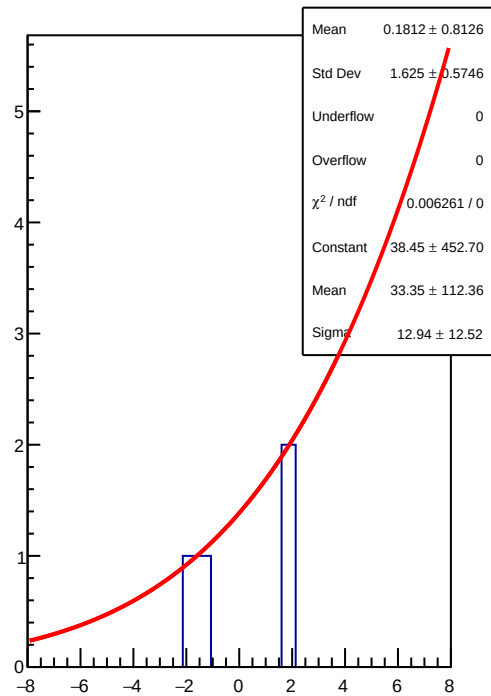
diff_bpm1Y RMS (μm)



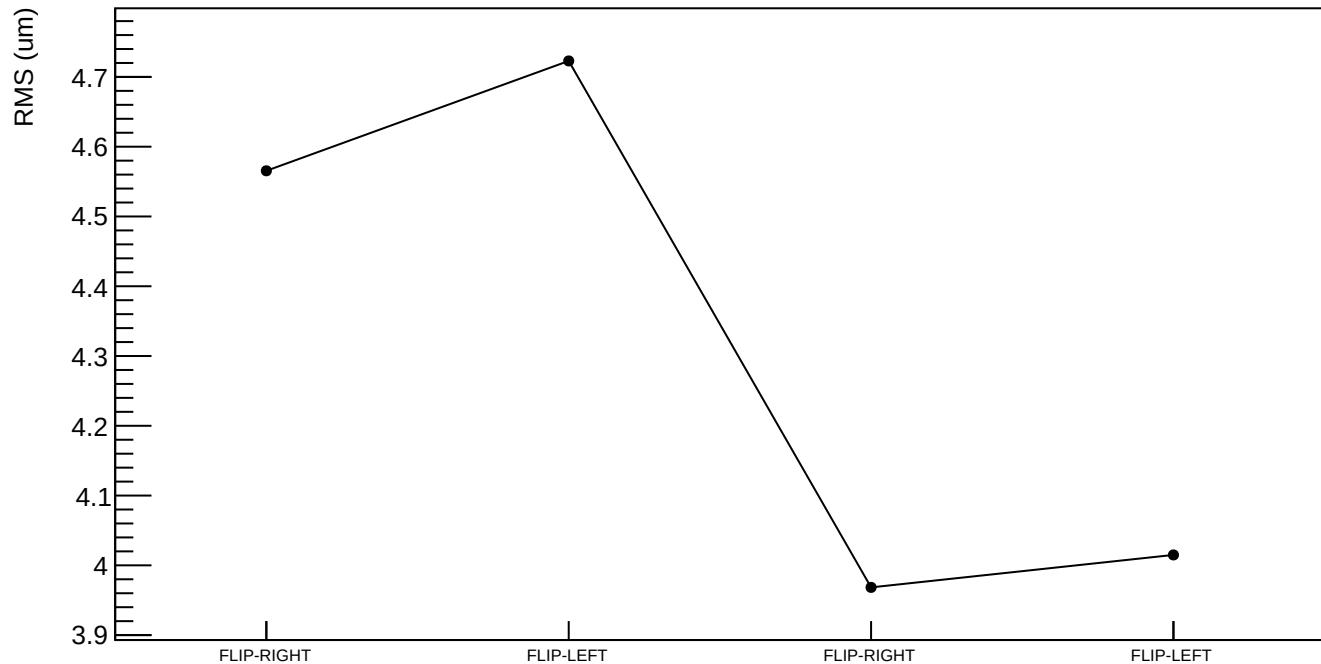
diff_bpm16X (nm)



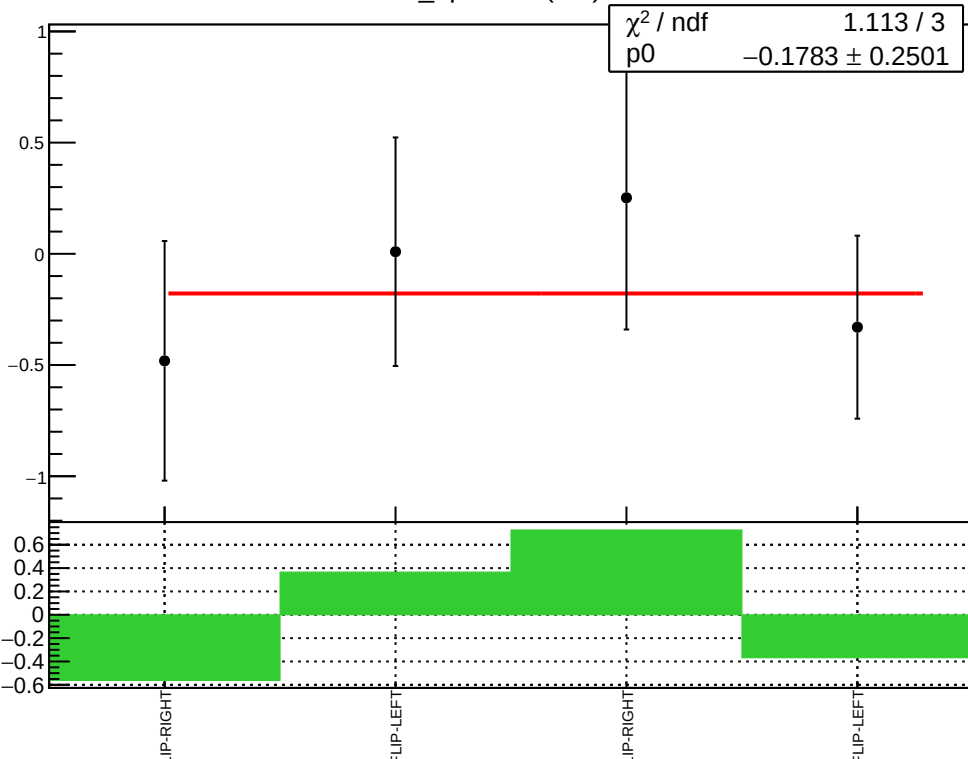
1D pull distribution



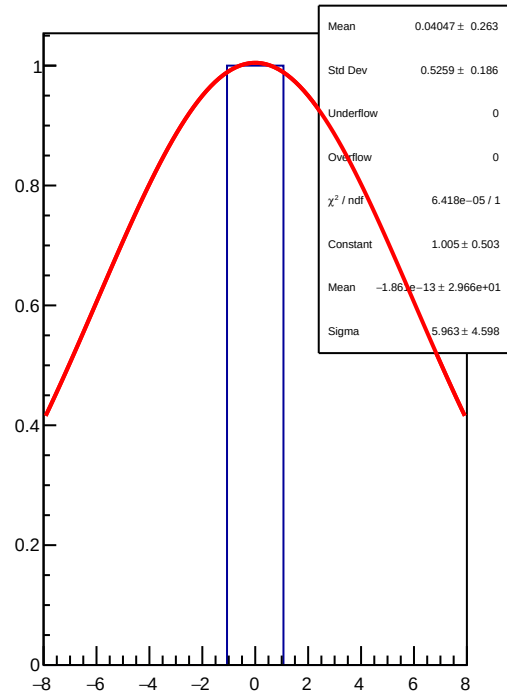
diff_bpm16X RMS (μm)



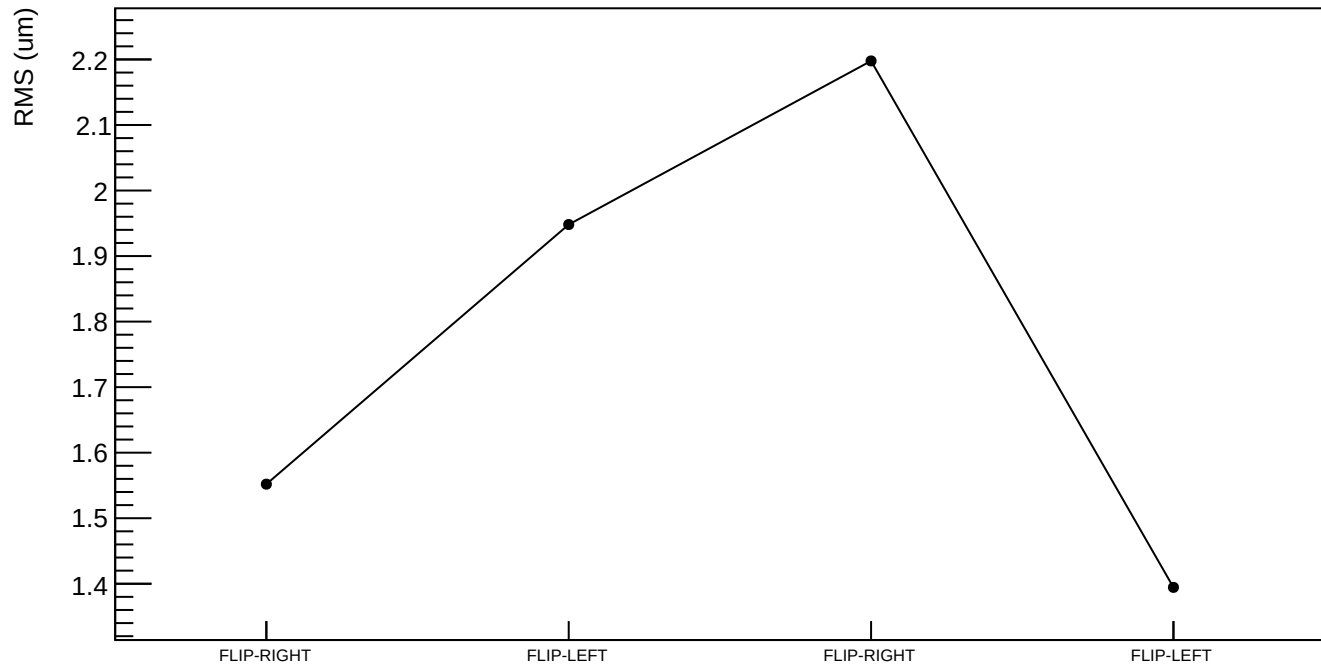
diff_bpm16Y (nm)



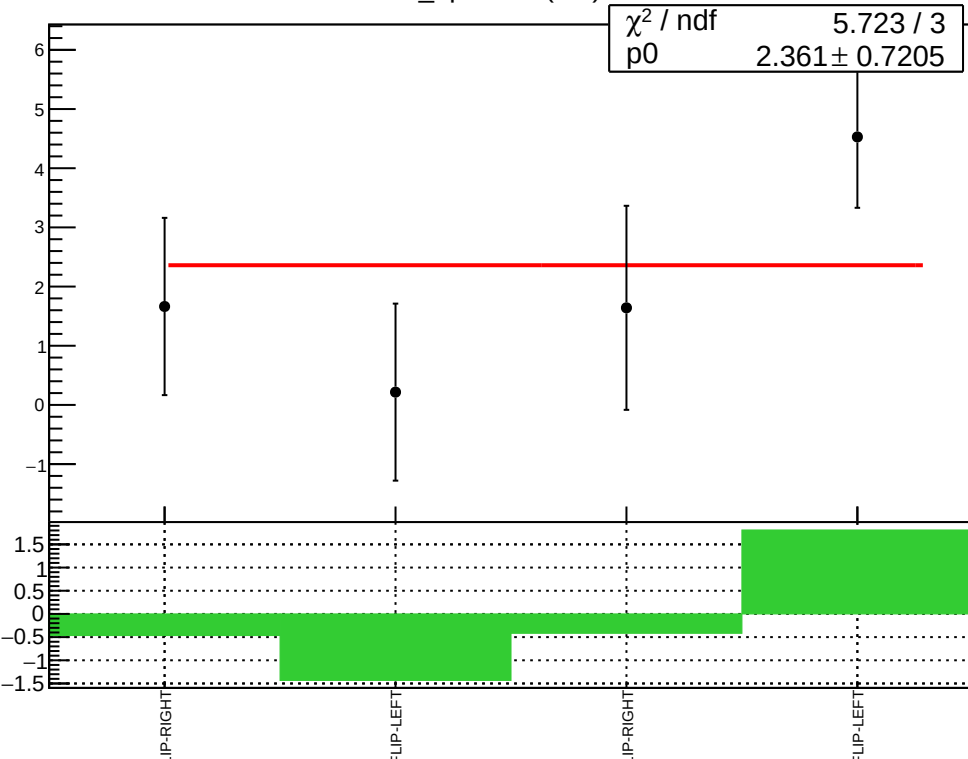
1D pull distribution



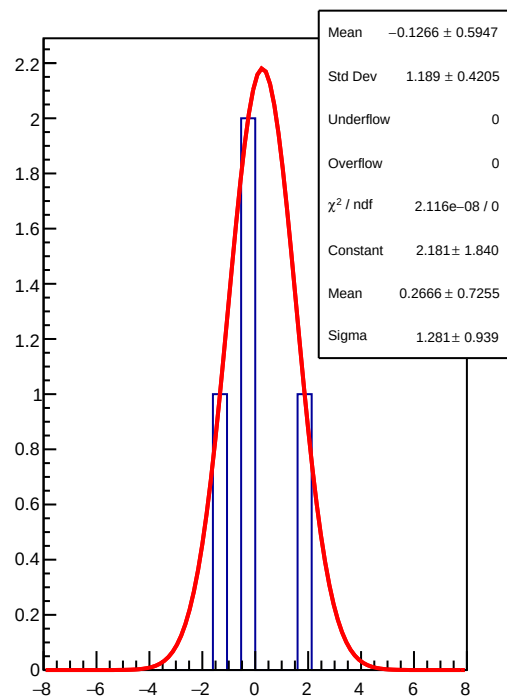
diff_bpm16Y RMS (μm)



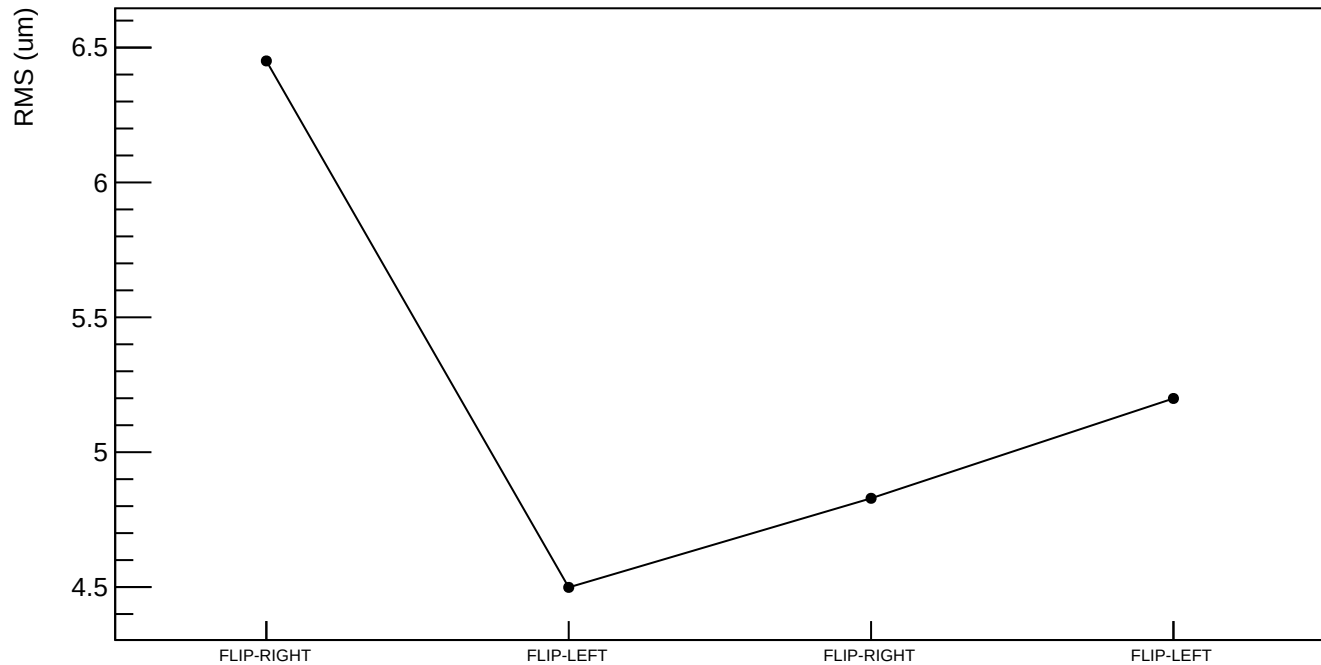
diff_bpm12X (nm)



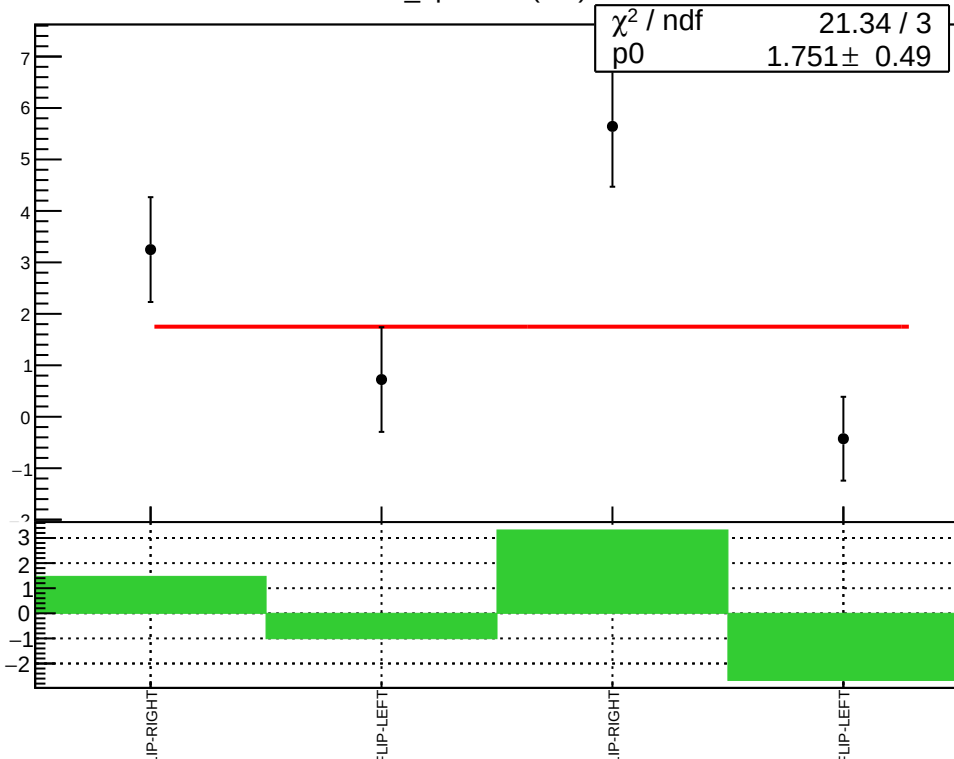
1D pull distribution



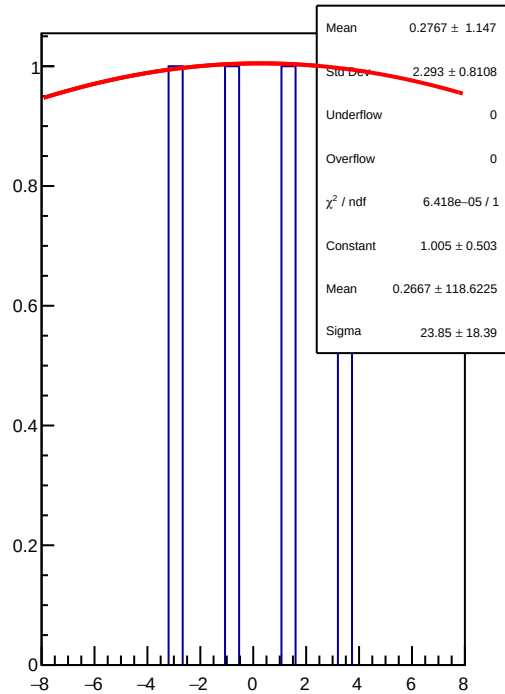
diff_bpm12X RMS (μm)



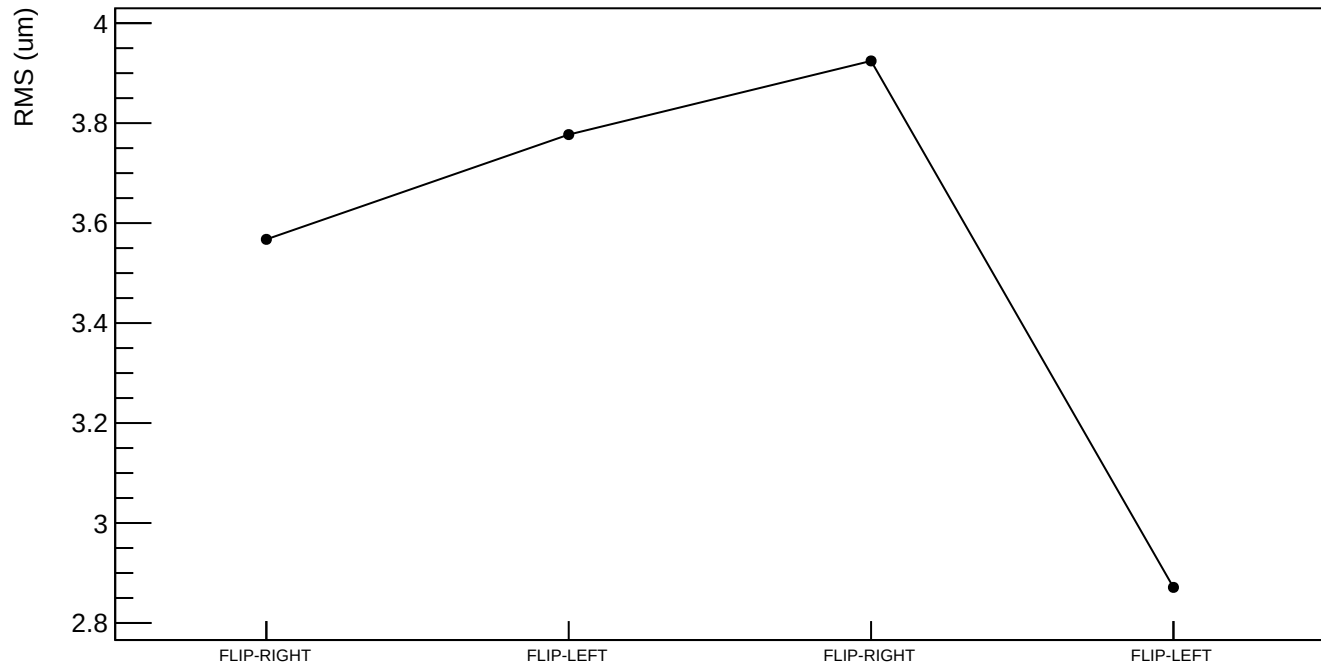
diff_bpm12Y (nm)



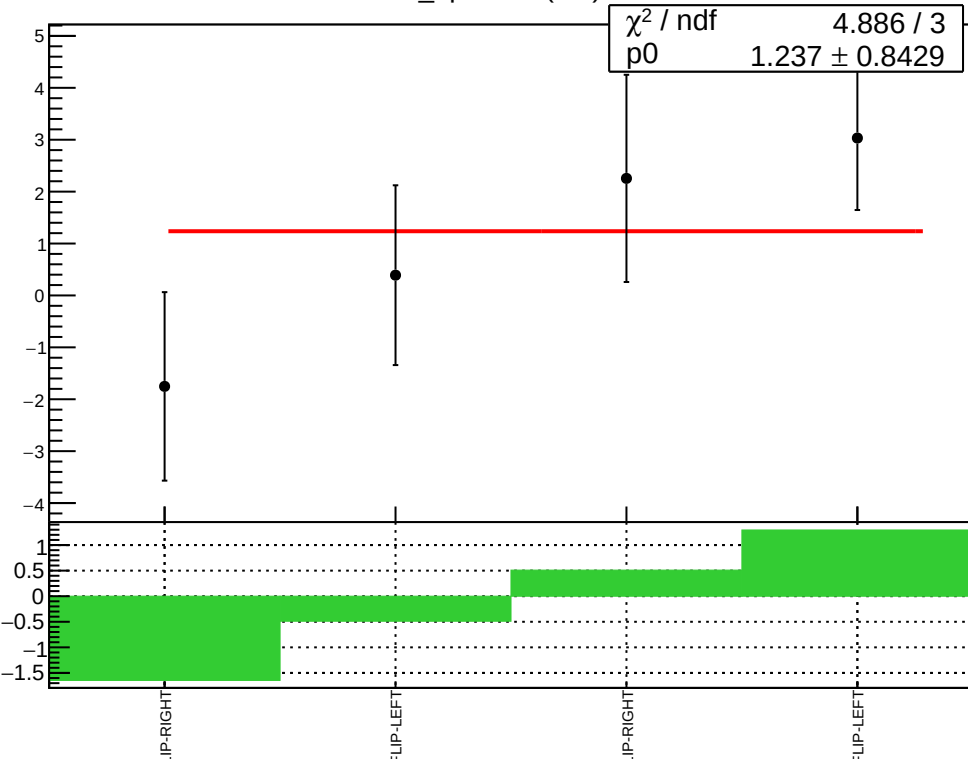
1D pull distribution



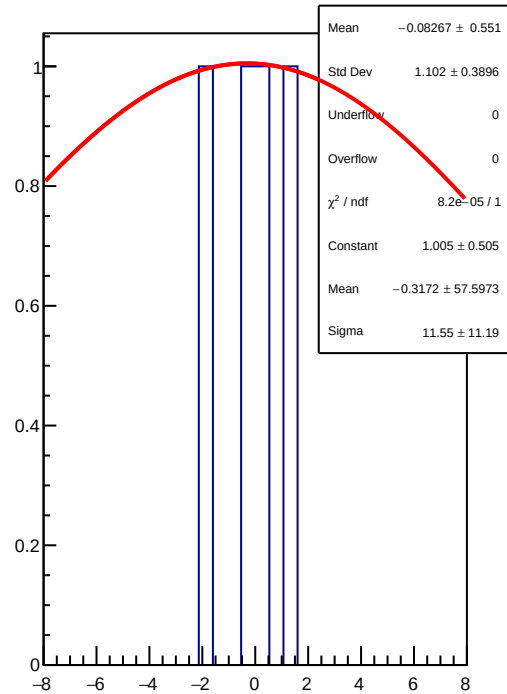
diff_bpm12Y RMS (μm)



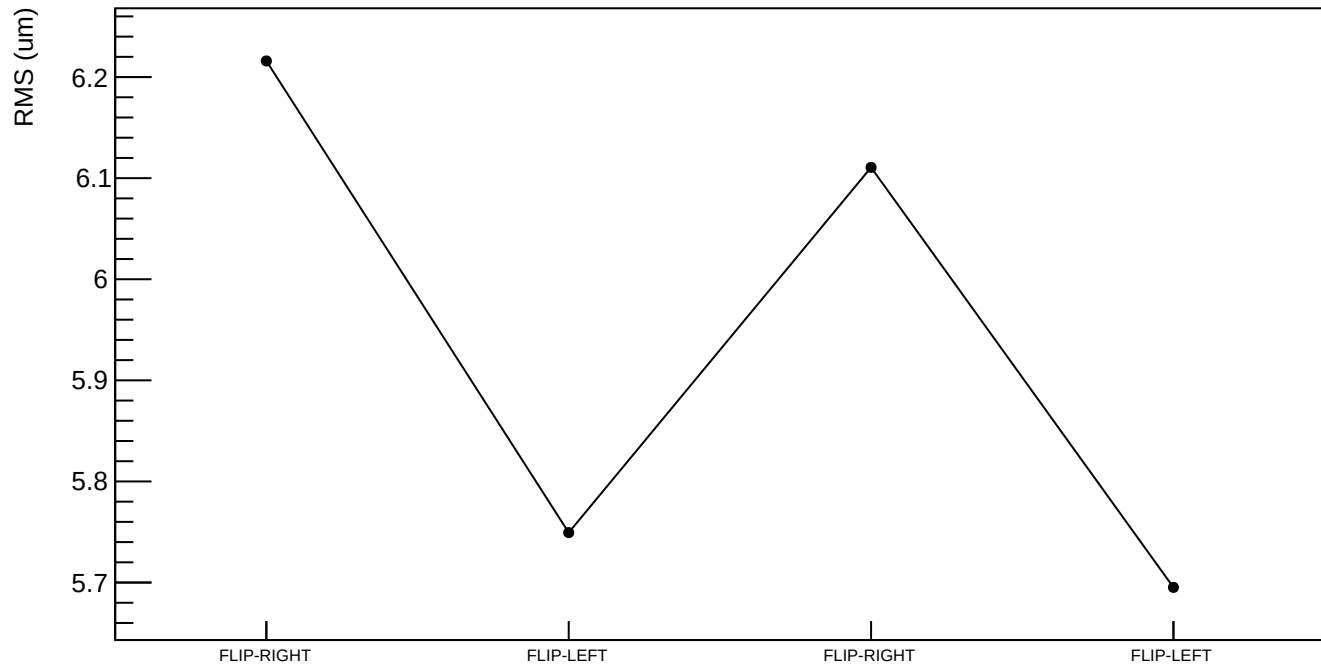
diff_bpm11X (nm)



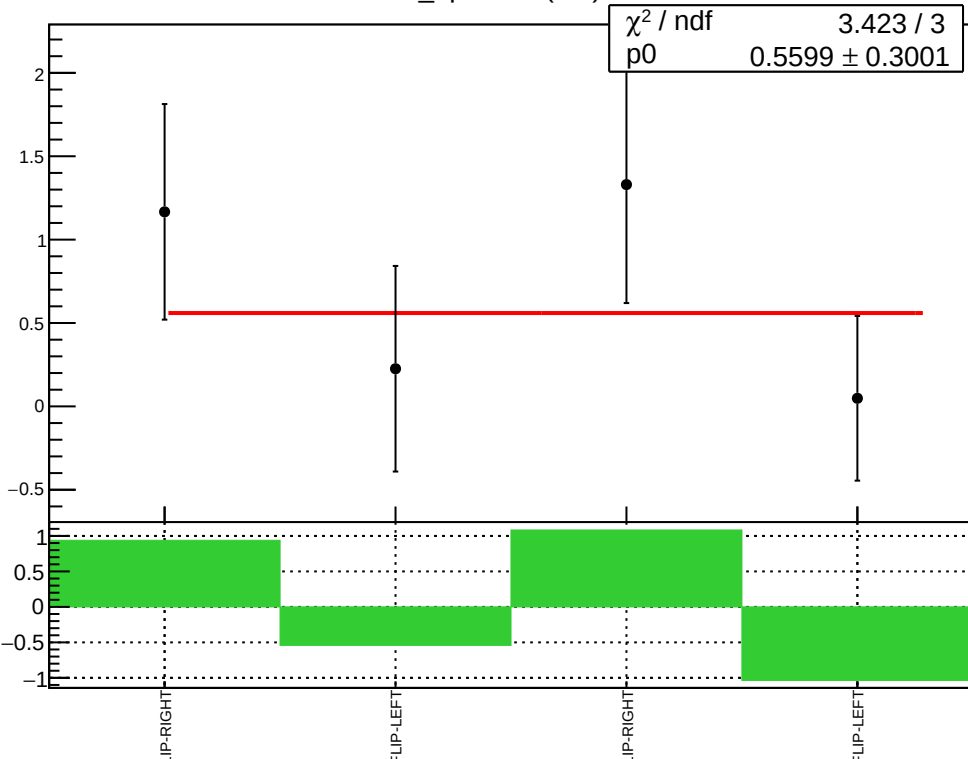
1D pull distribution



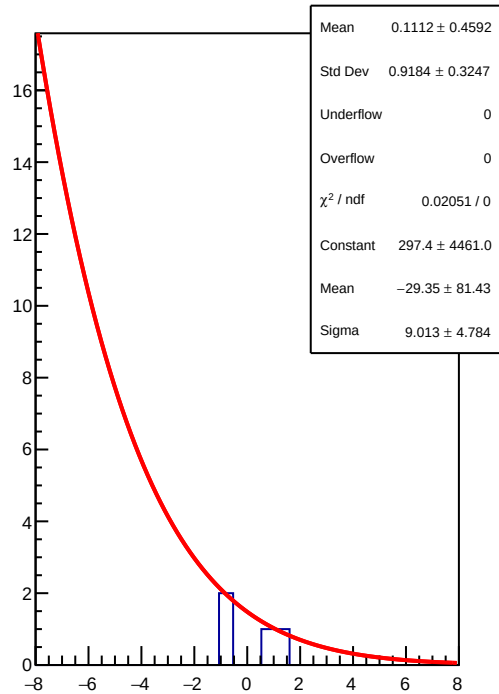
diff_bpm11X RMS (μm)



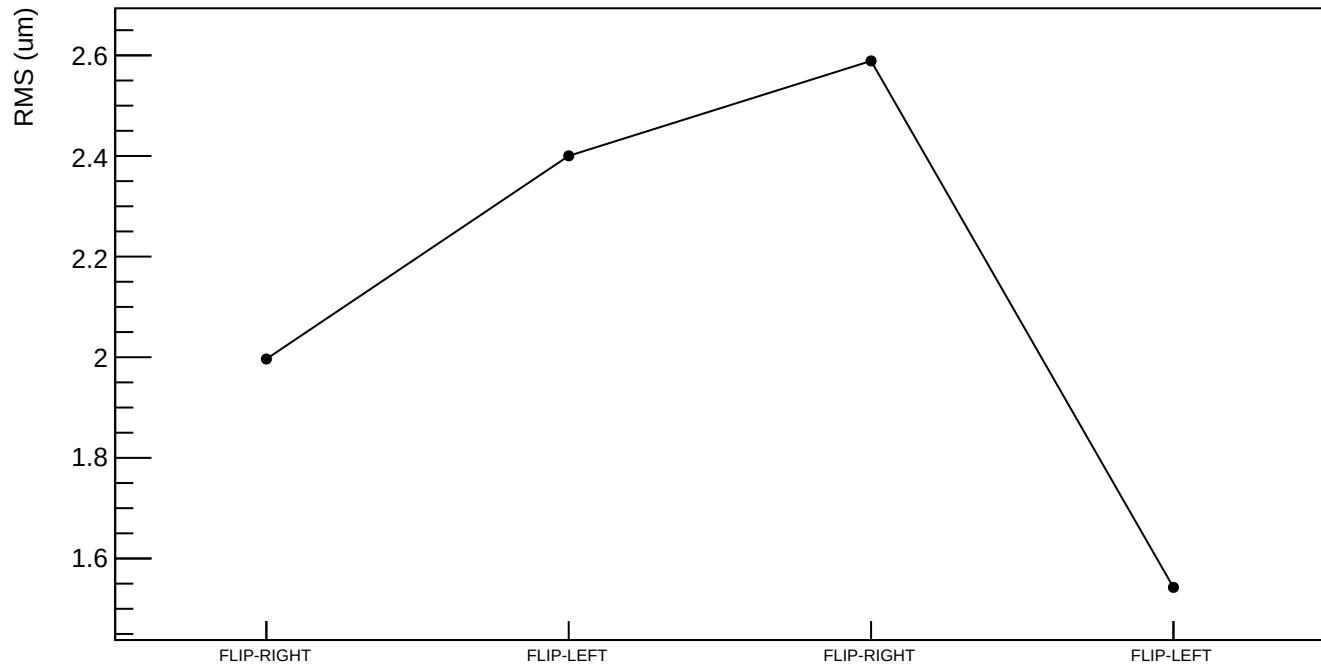
diff_bpm11Y (nm)



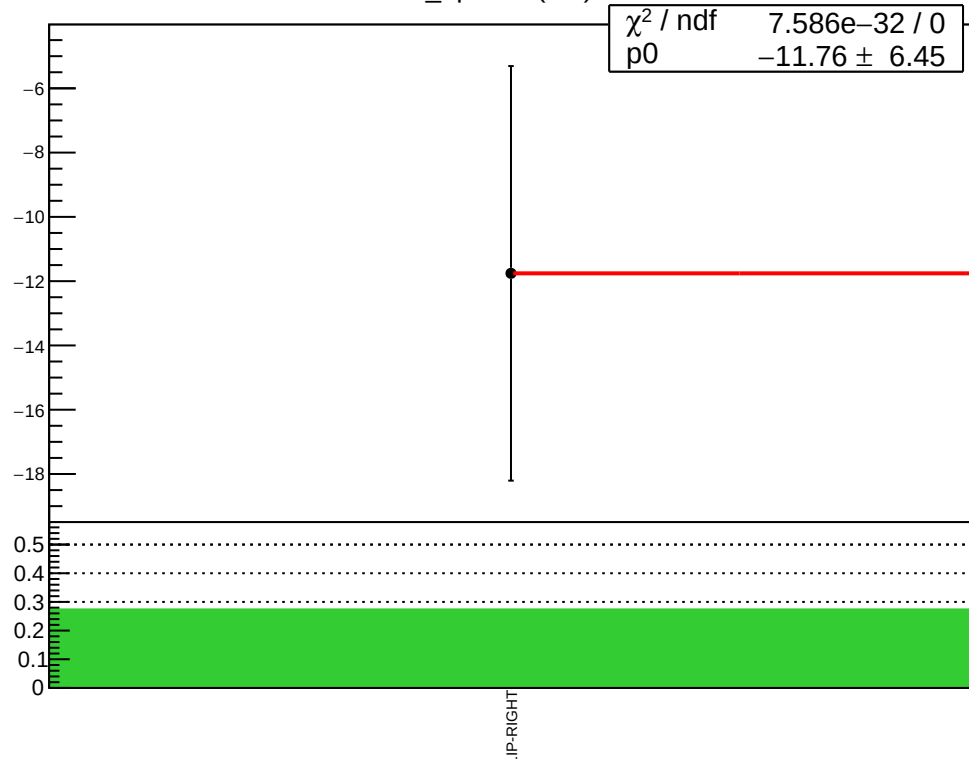
1D pull distribution



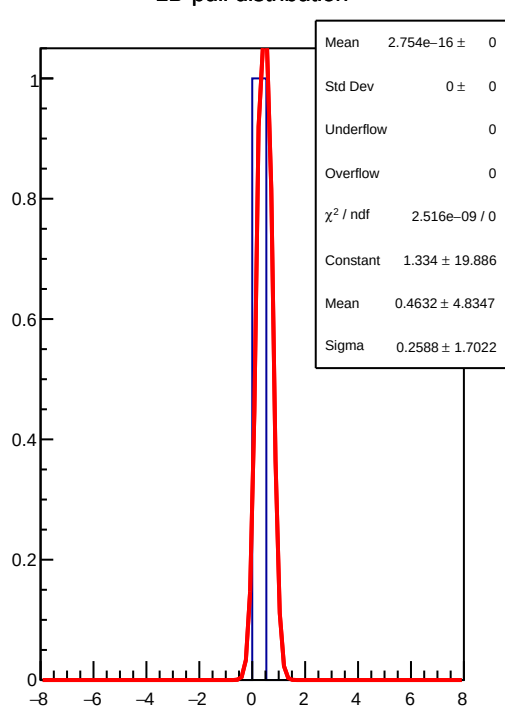
diff_bpm11Y RMS (μm)



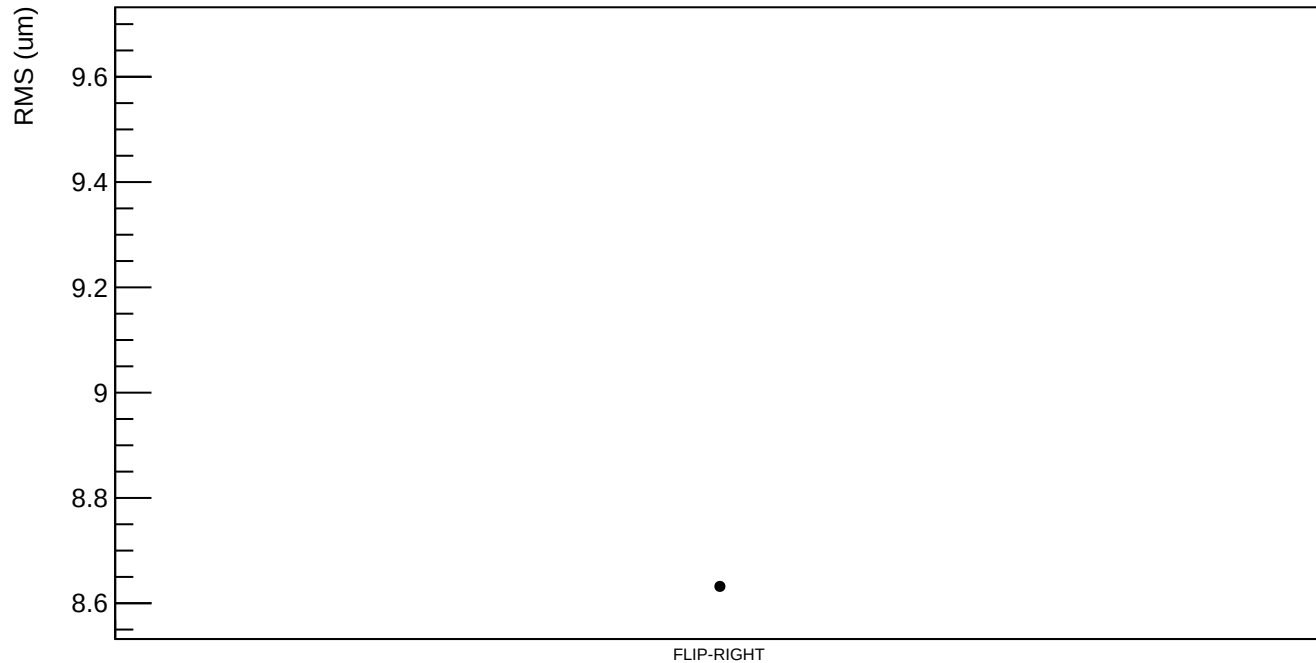
diff_bpm8X (nm)



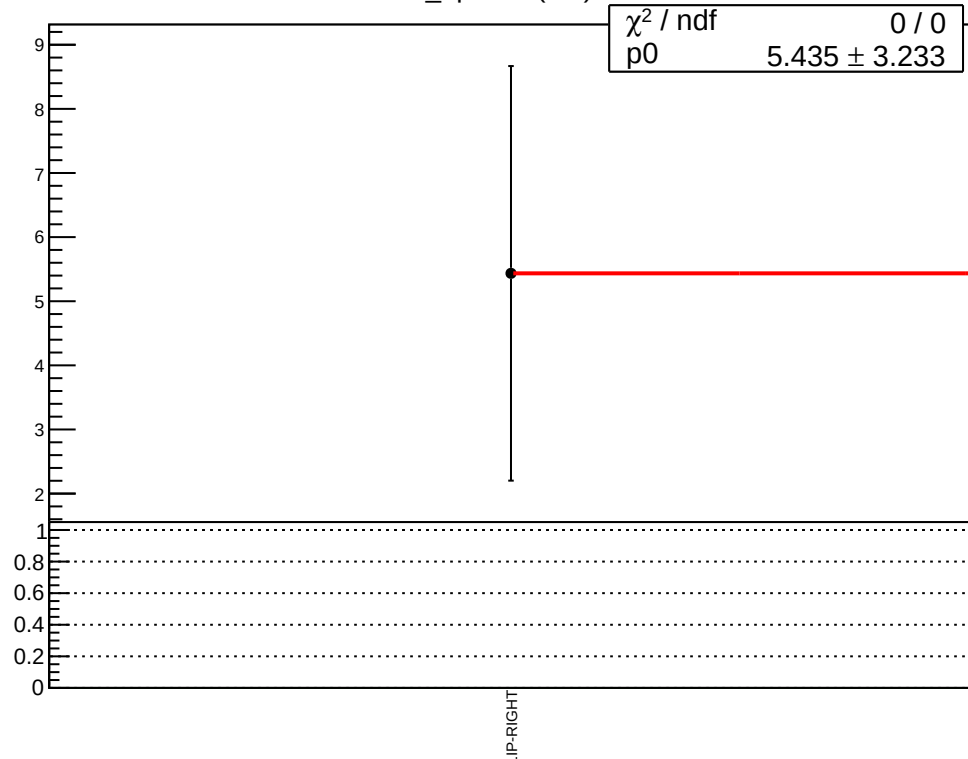
1D pull distribution



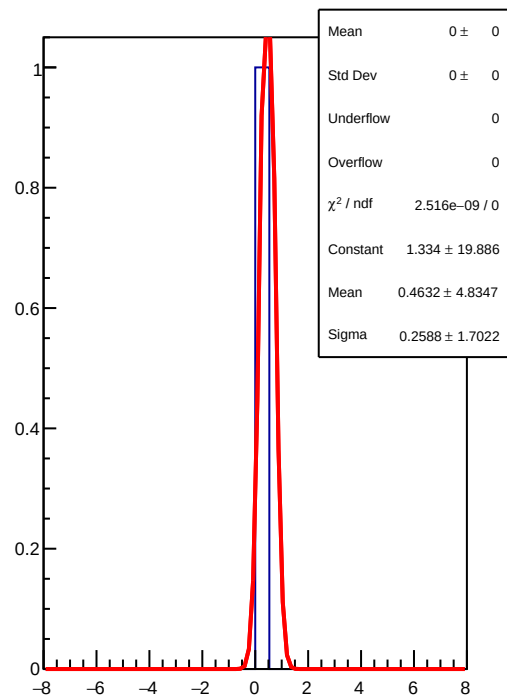
diff_bpm8X RMS (um)



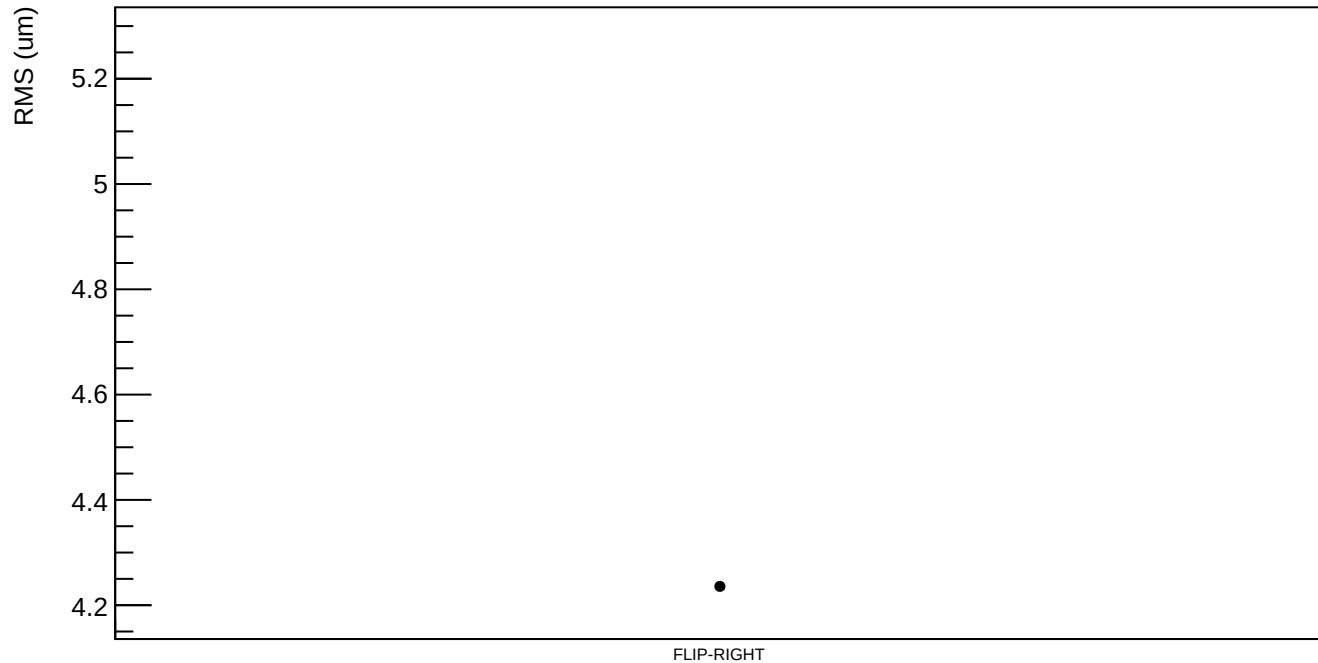
diff_bpm8Y (nm)



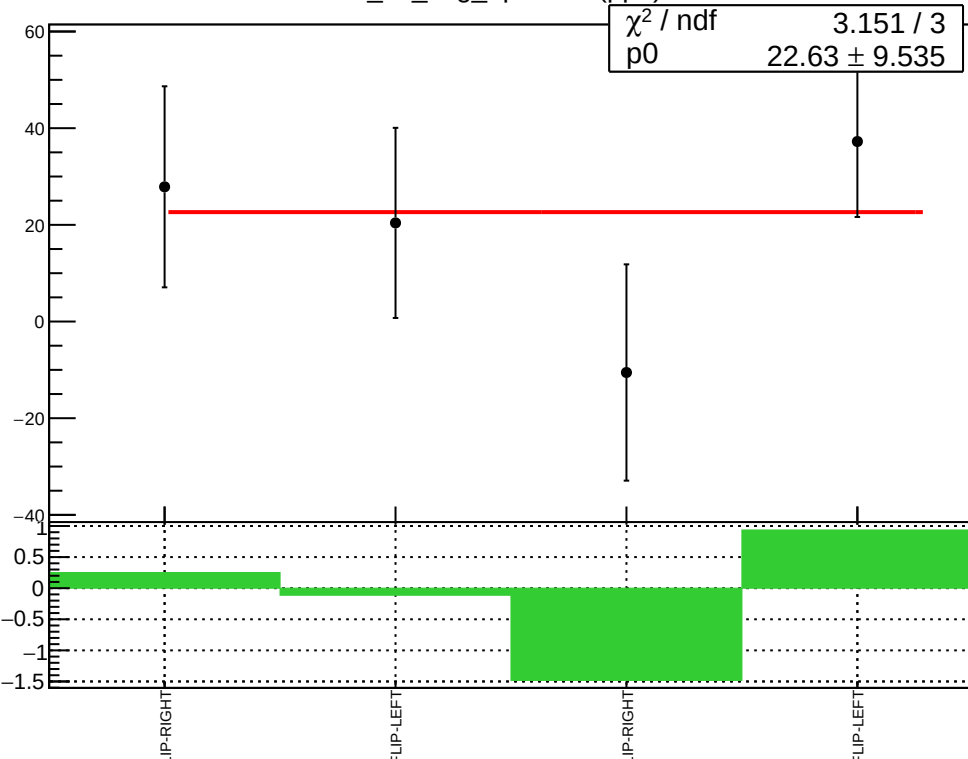
1D pull distribution



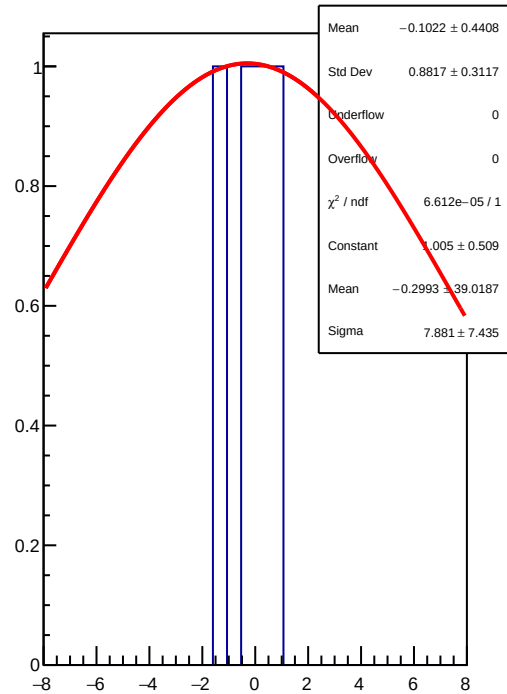
diff_bpm8Y RMS (um)



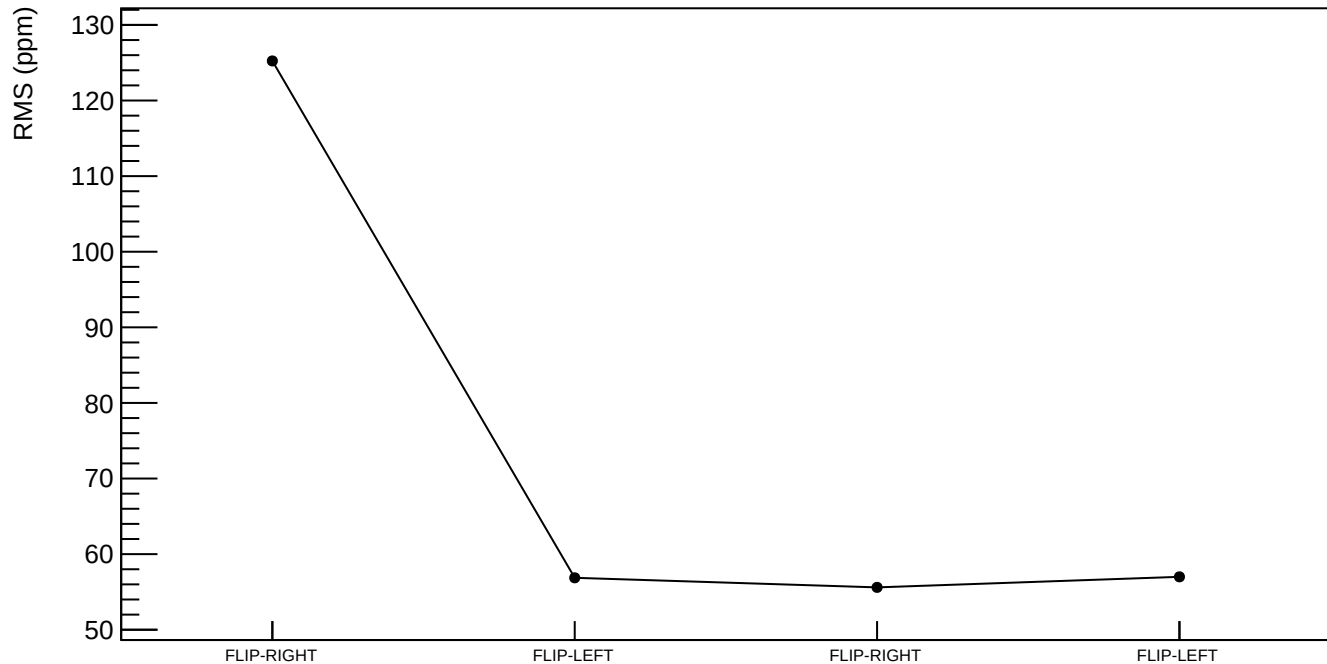
corr_us_avg_bpm4eX (ppb)

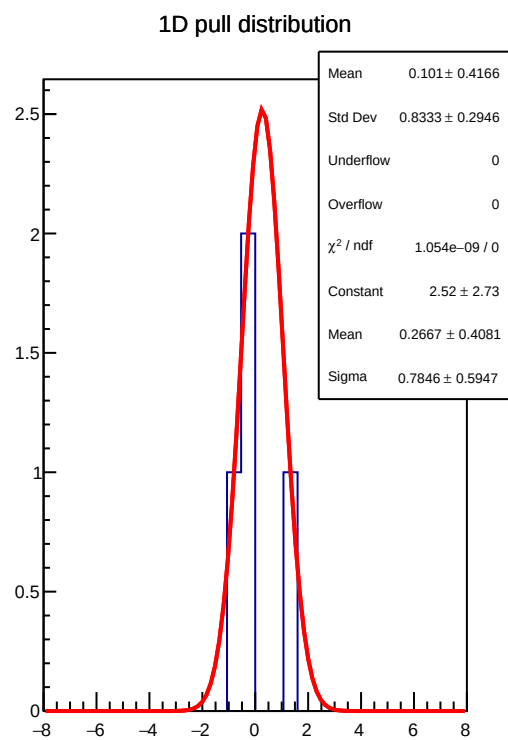
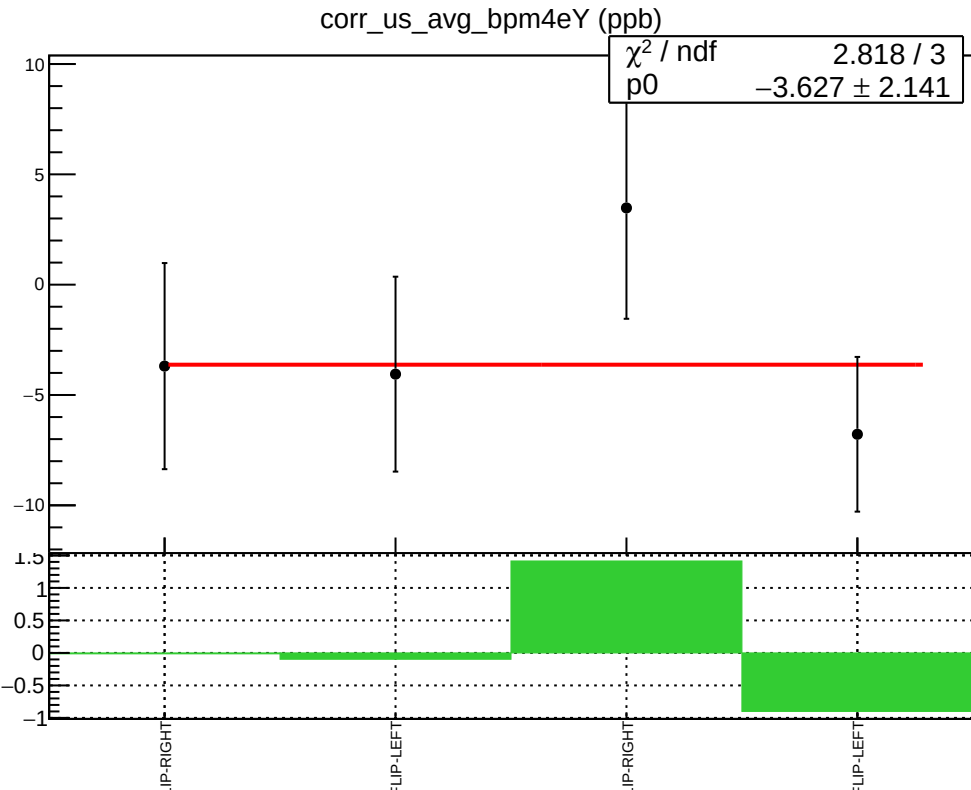


1D pull distribution

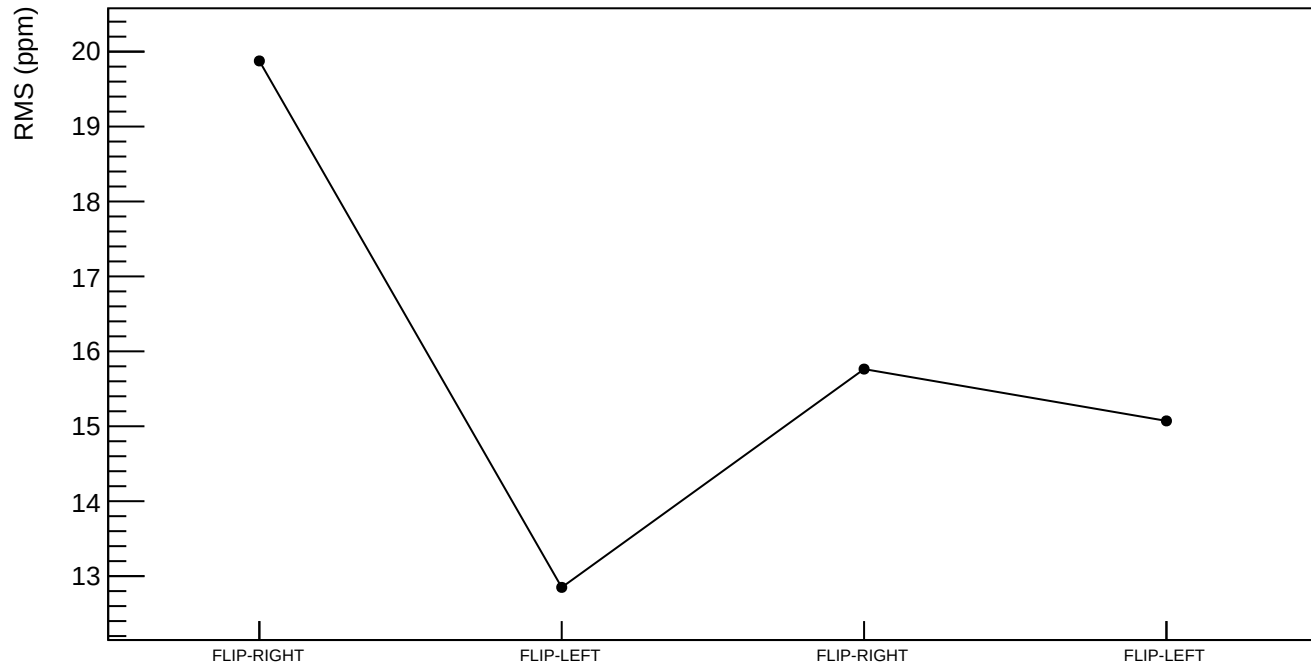


corr_us_avg_bpm4eX RMS (ppm)



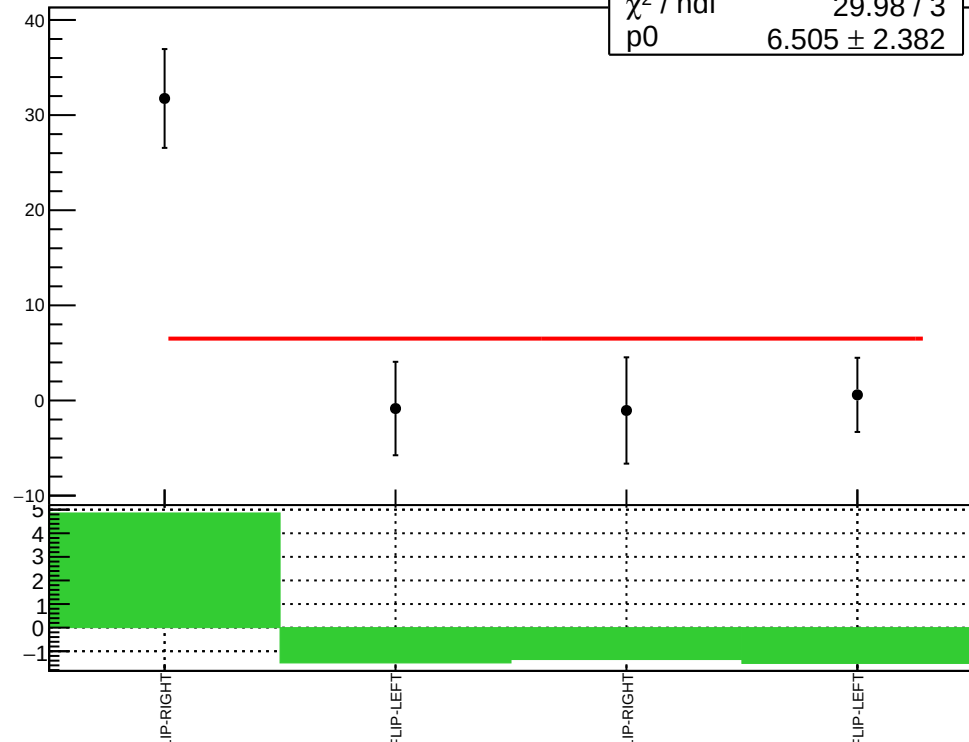


corr_us_avg_bpm4eY RMS (ppm)

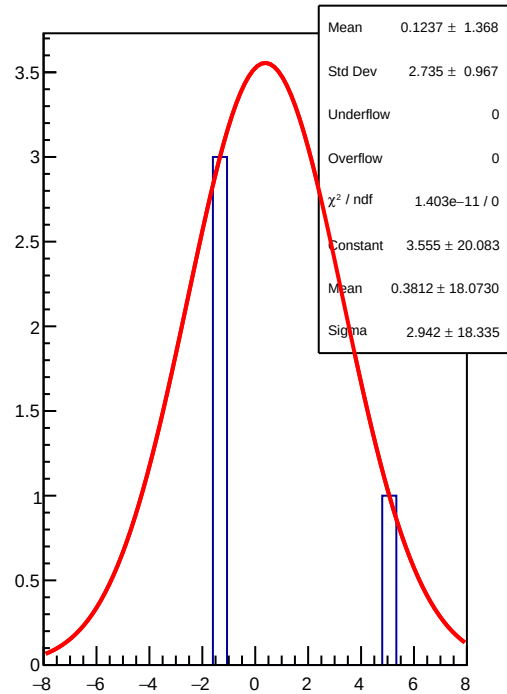


corr_us_avg_bpm4aX (ppb)

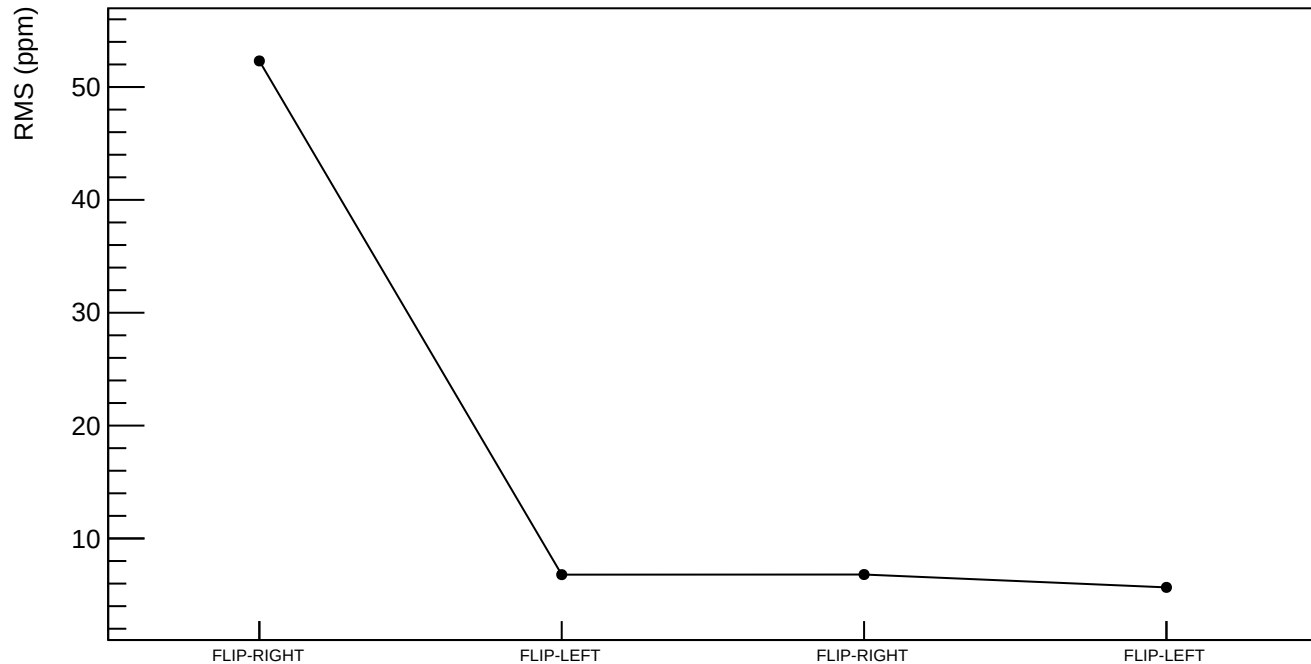
χ^2 / ndf 29.98 / 3
p0 6.505 ± 2.382



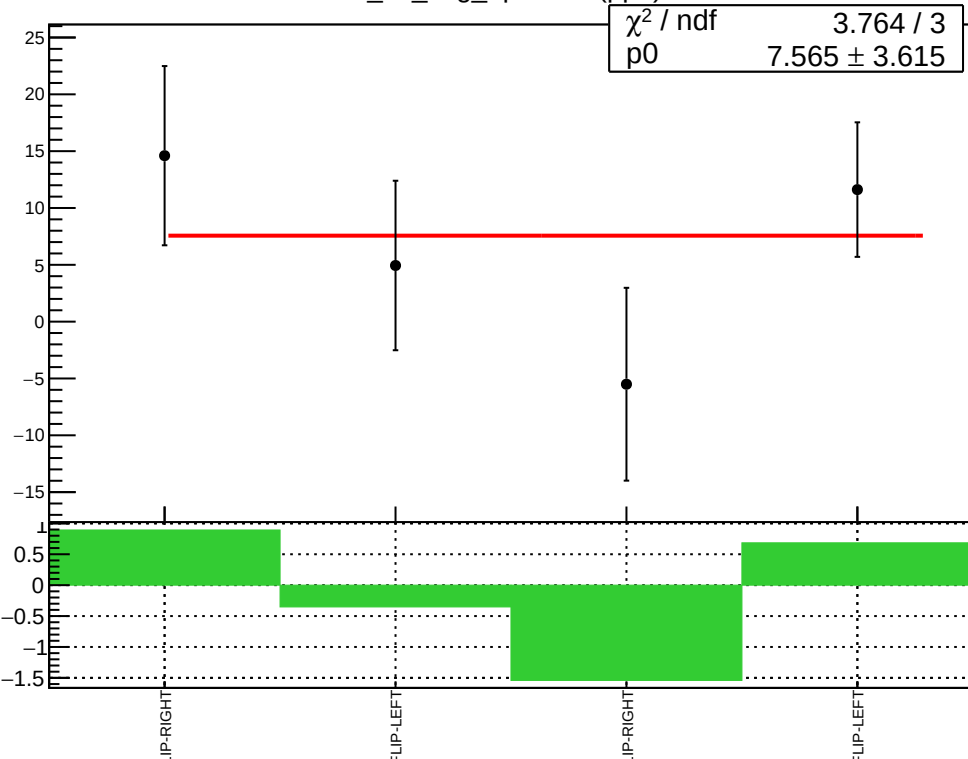
1D pull distribution



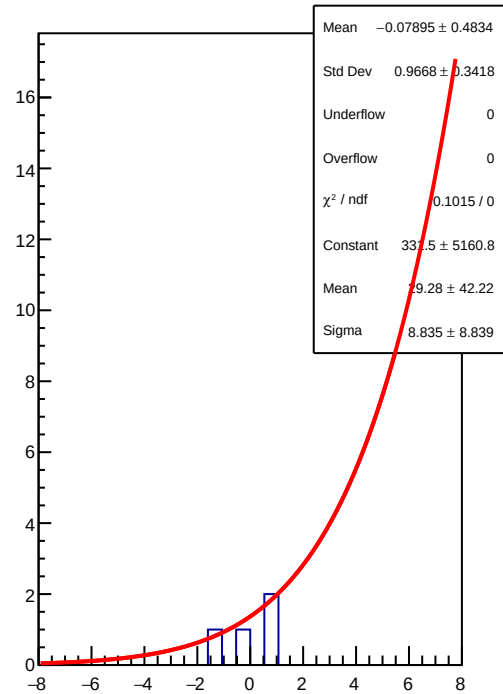
corr_us_avg_bpm4aX RMS (ppm)



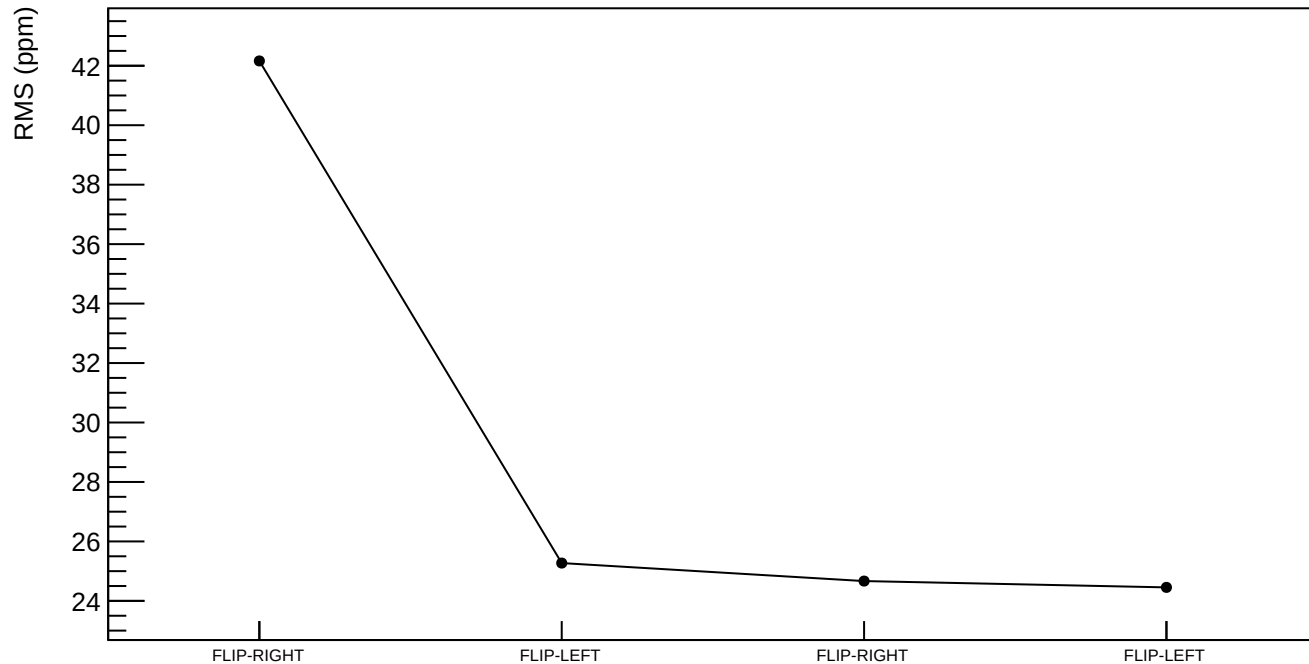
corr_us_avg_bpm4aY (ppb)



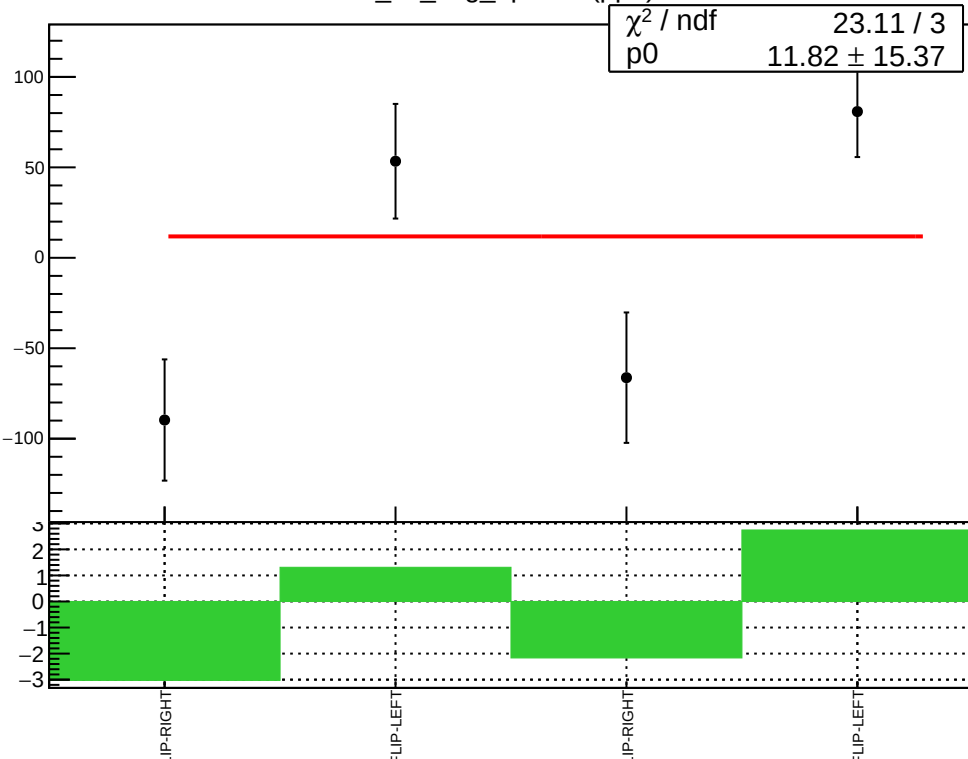
1D pull distribution



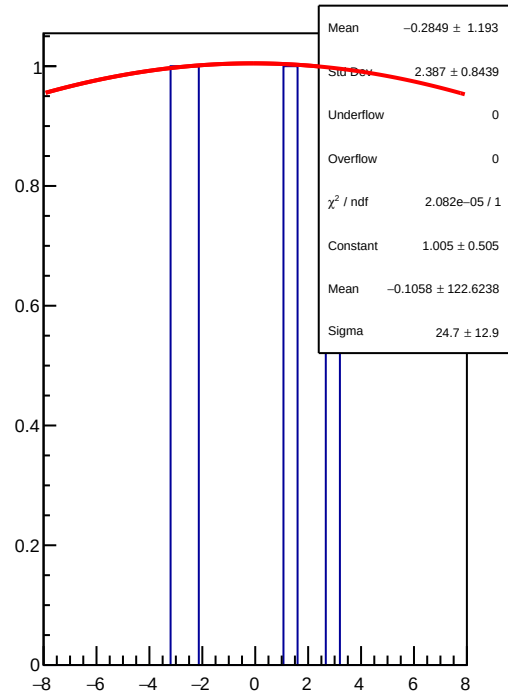
corr_us_avg_bpm4aY RMS (ppm)



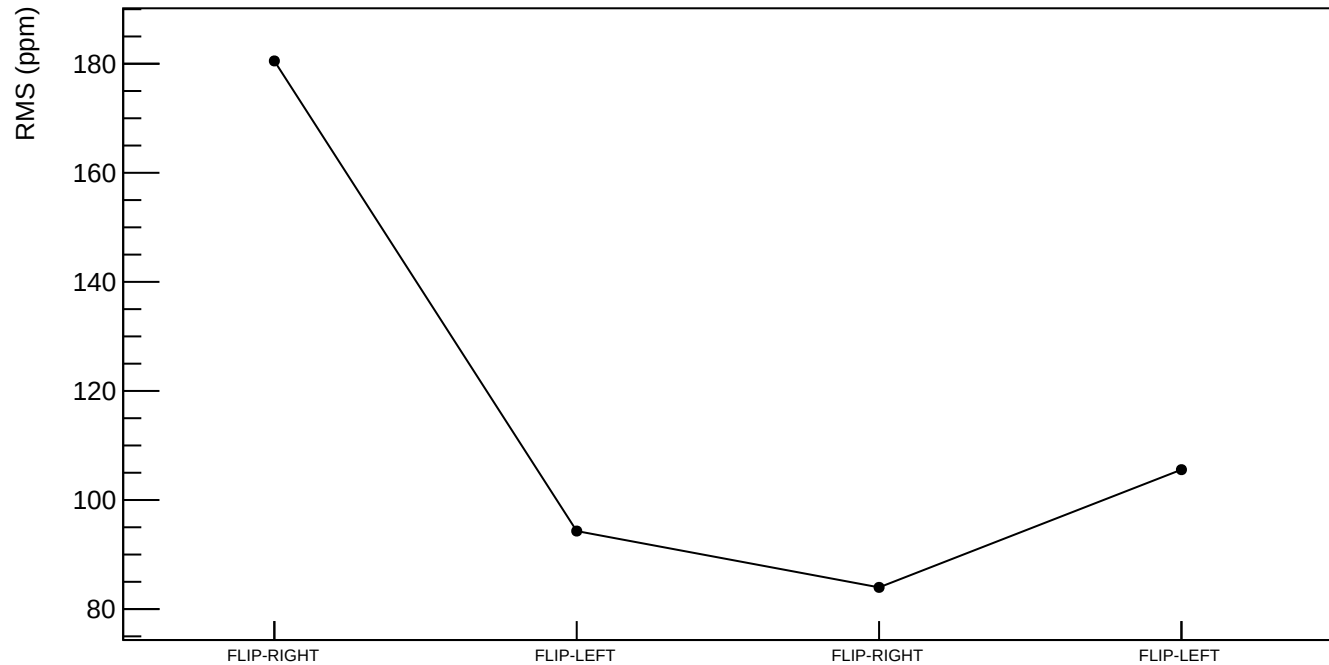
corr_us_avg_bpm1X (ppb)



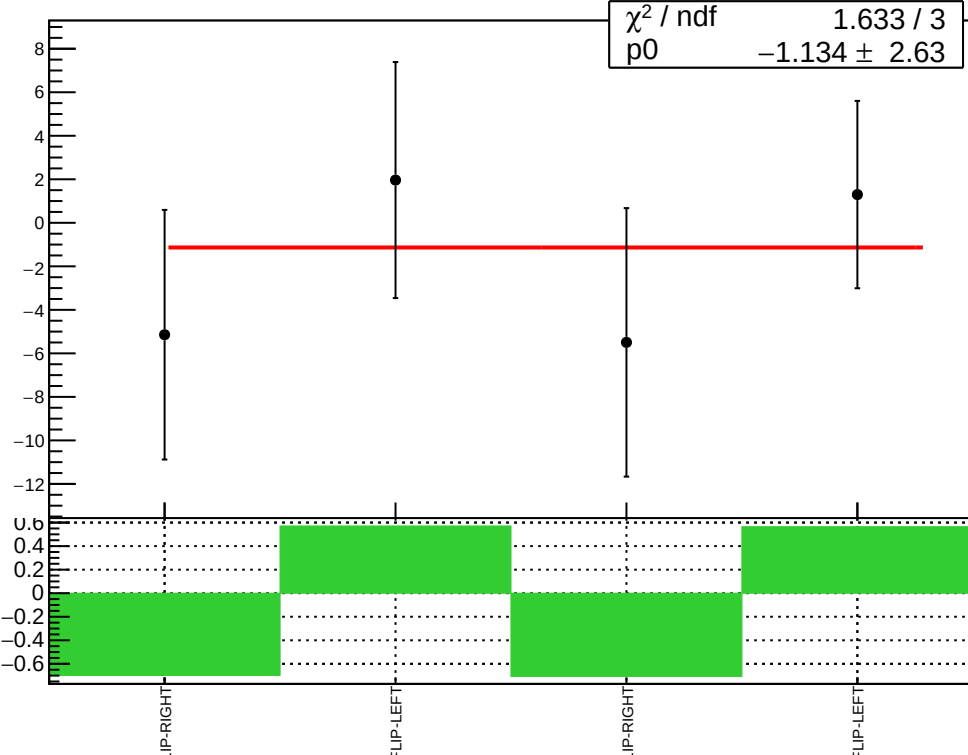
1D pull distribution



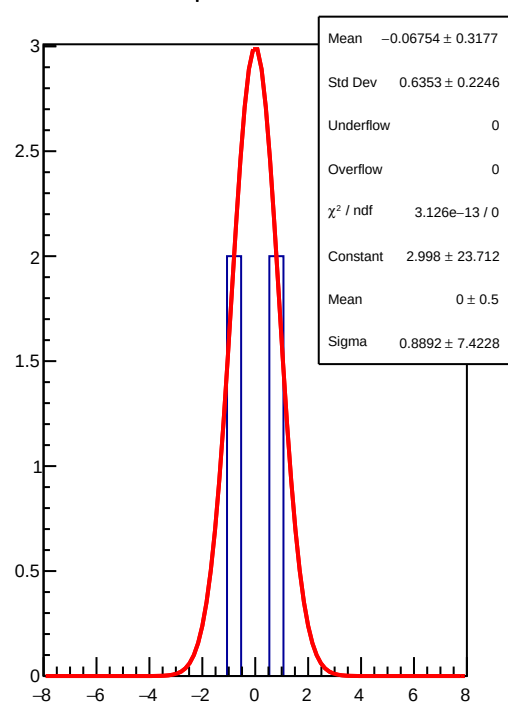
corr_us_avg_bpm1X RMS (ppm)



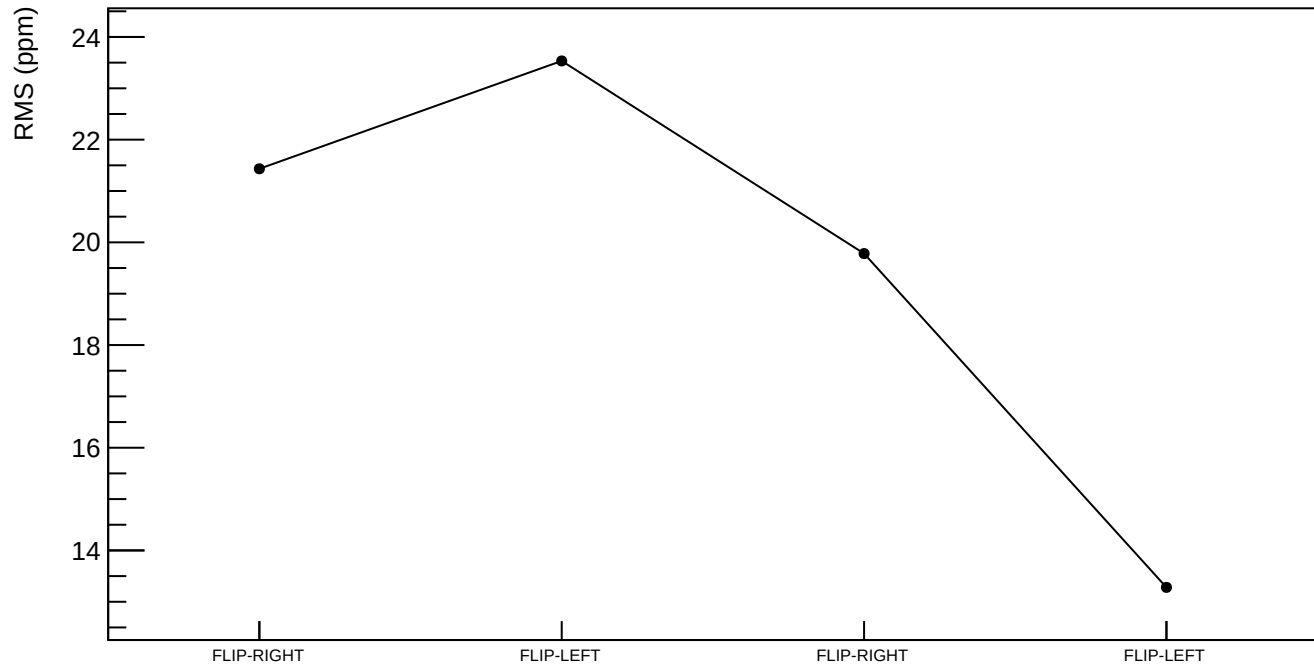
corr_us_avg_bpm1Y (ppb)



1D pull distribution

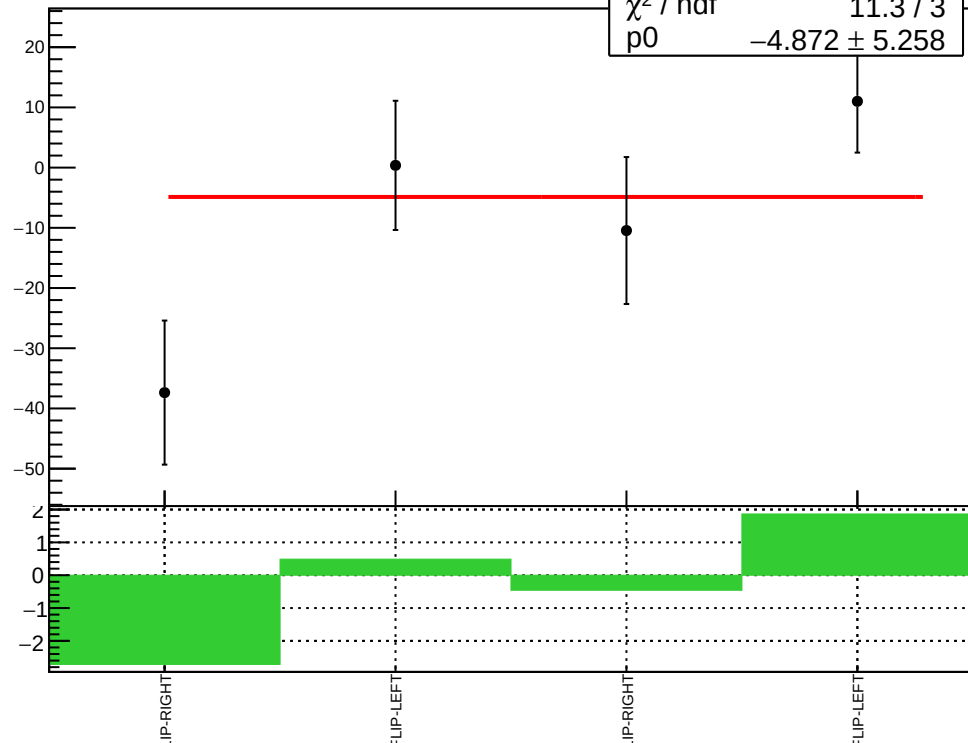


corr_us_avg_bpm1Y RMS (ppm)

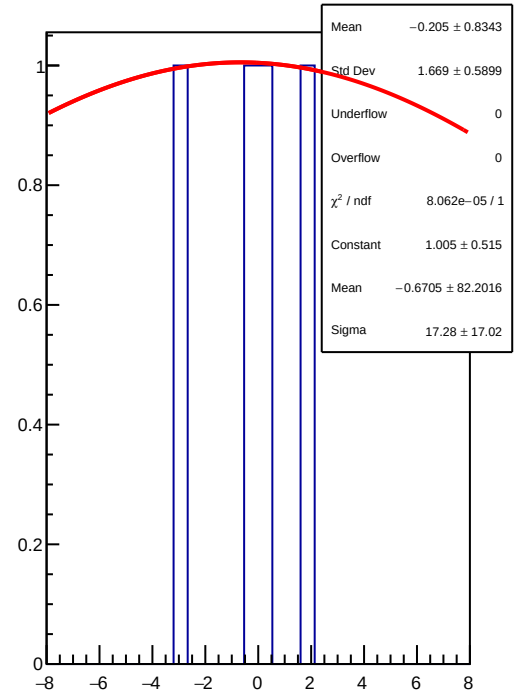


corr_us_avg_bpm16X (ppb)

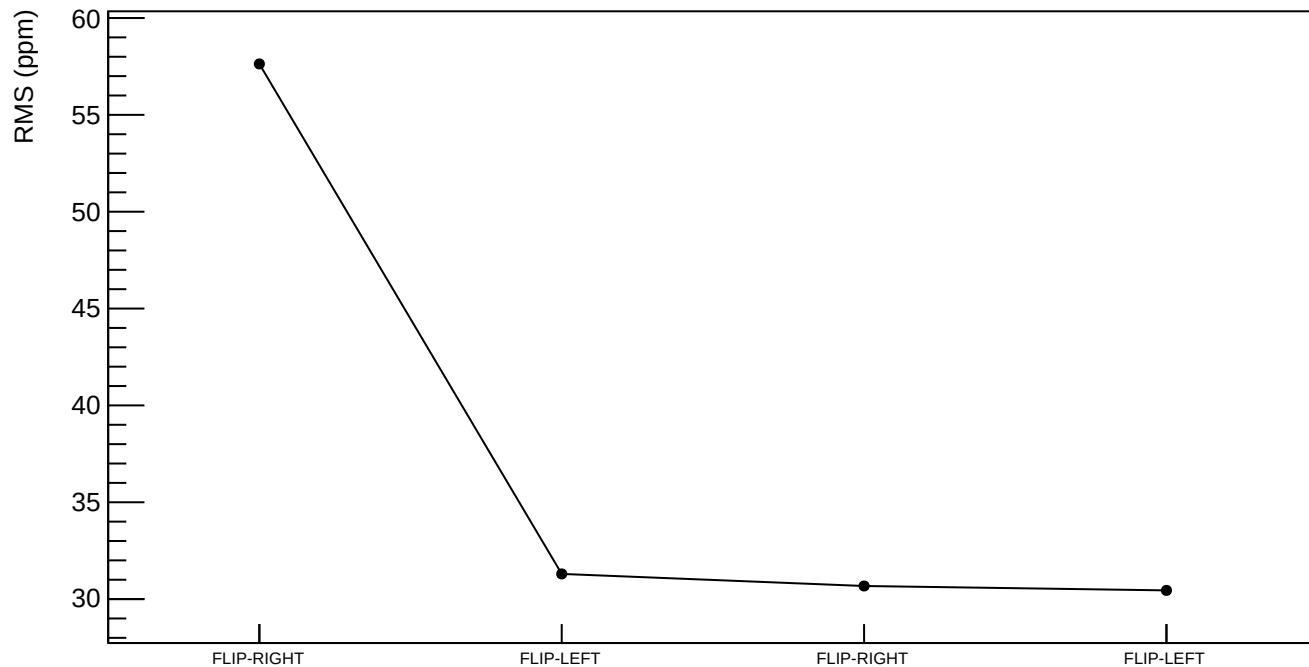
χ^2 / ndf 11.3 / 3
p0 -4.872 ± 5.258



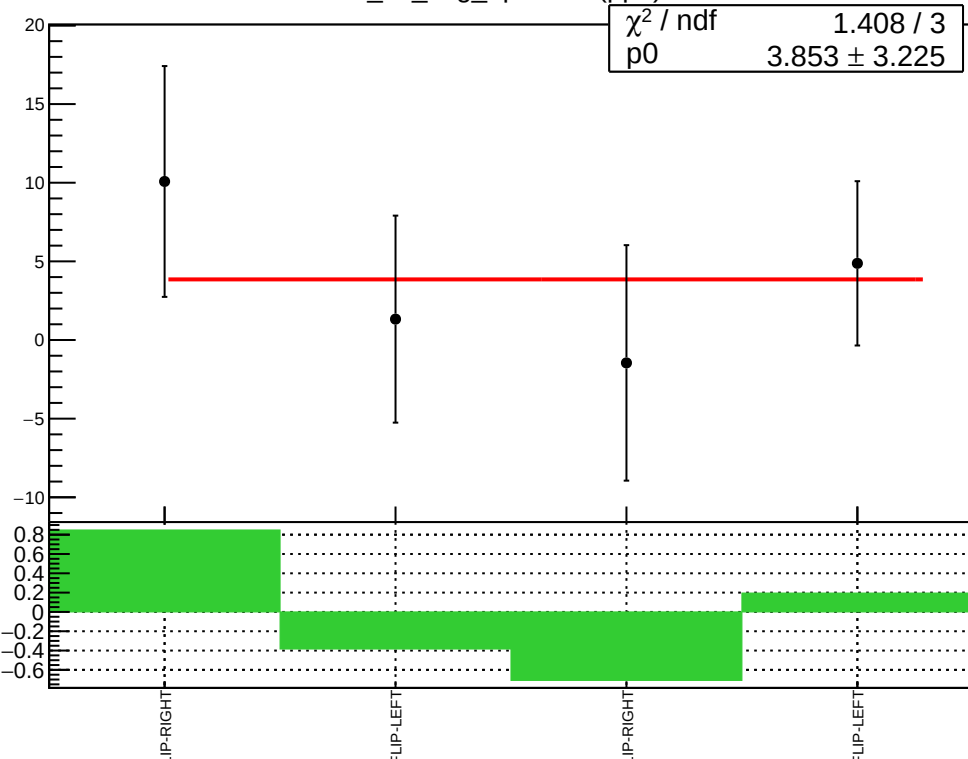
1D pull distribution



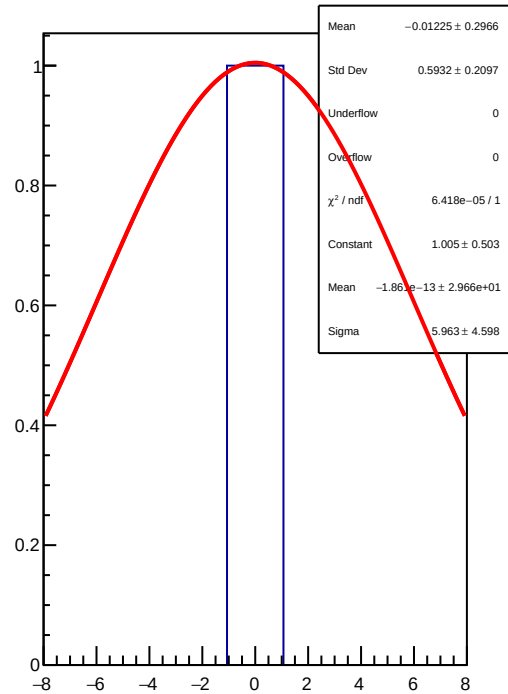
corr_us_avg_bpm16X RMS (ppm)



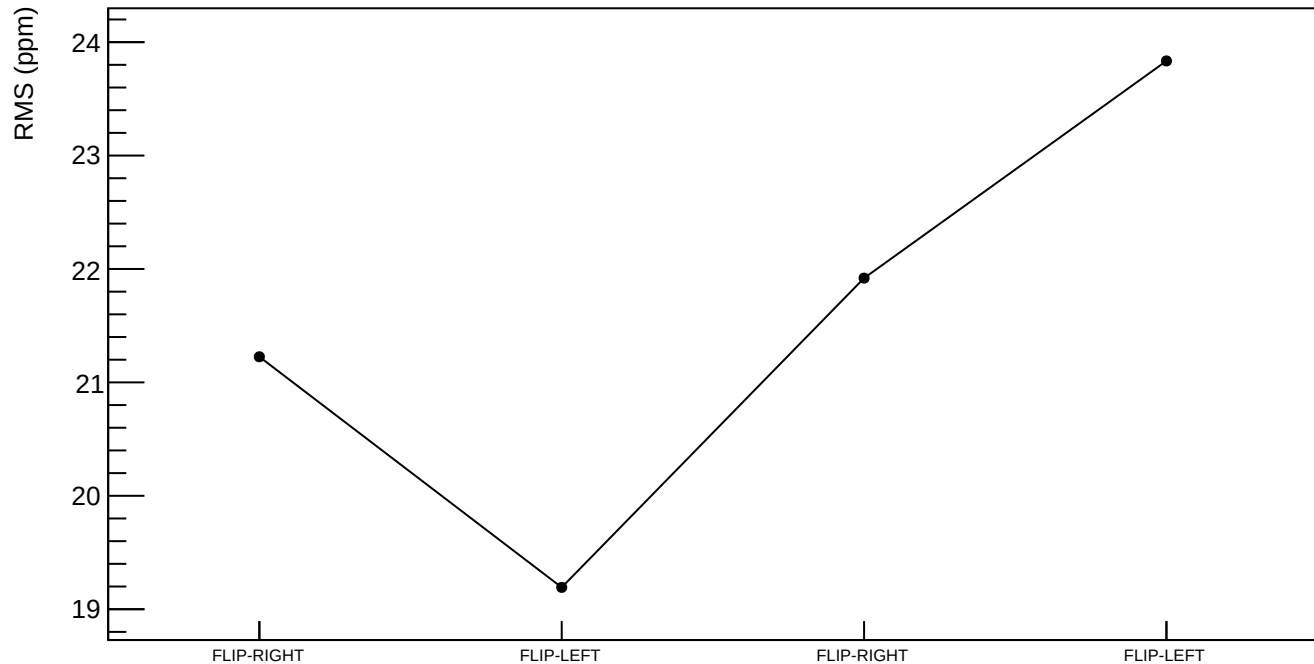
corr_us_avg_bpm16Y (ppb)



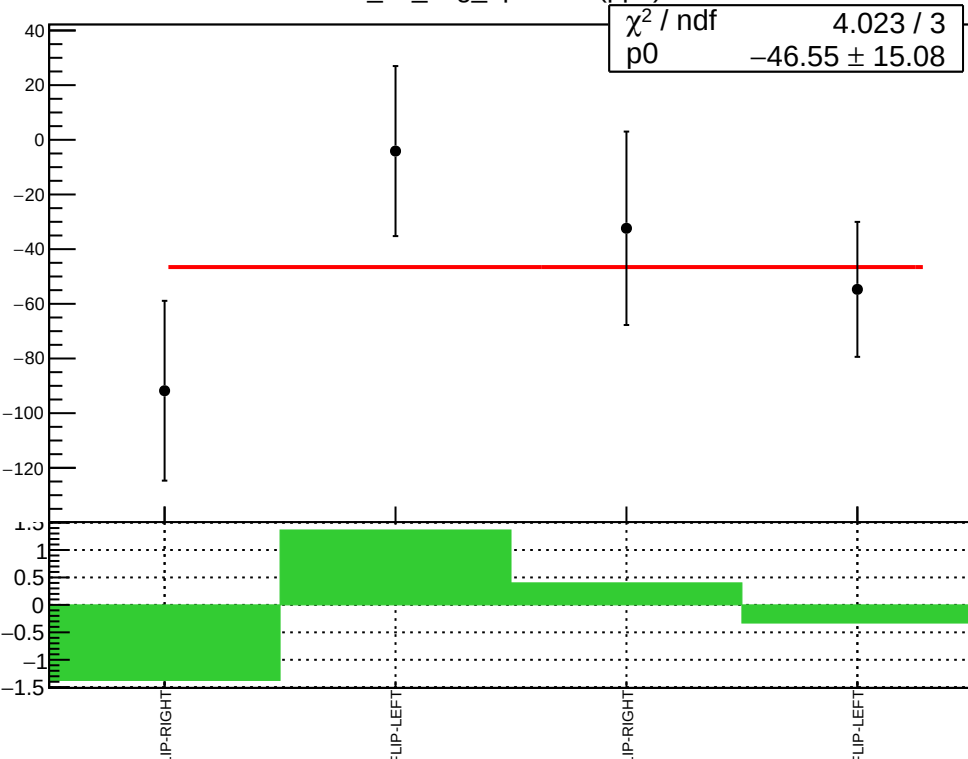
1D pull distribution



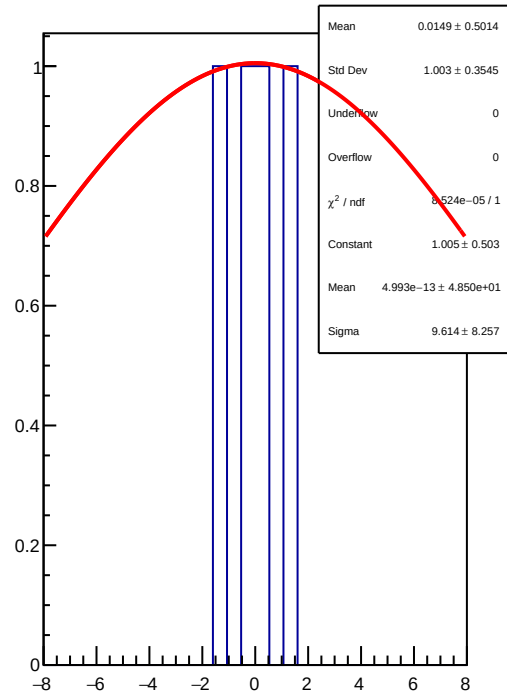
corr_us_avg_bpm16Y RMS (ppm)



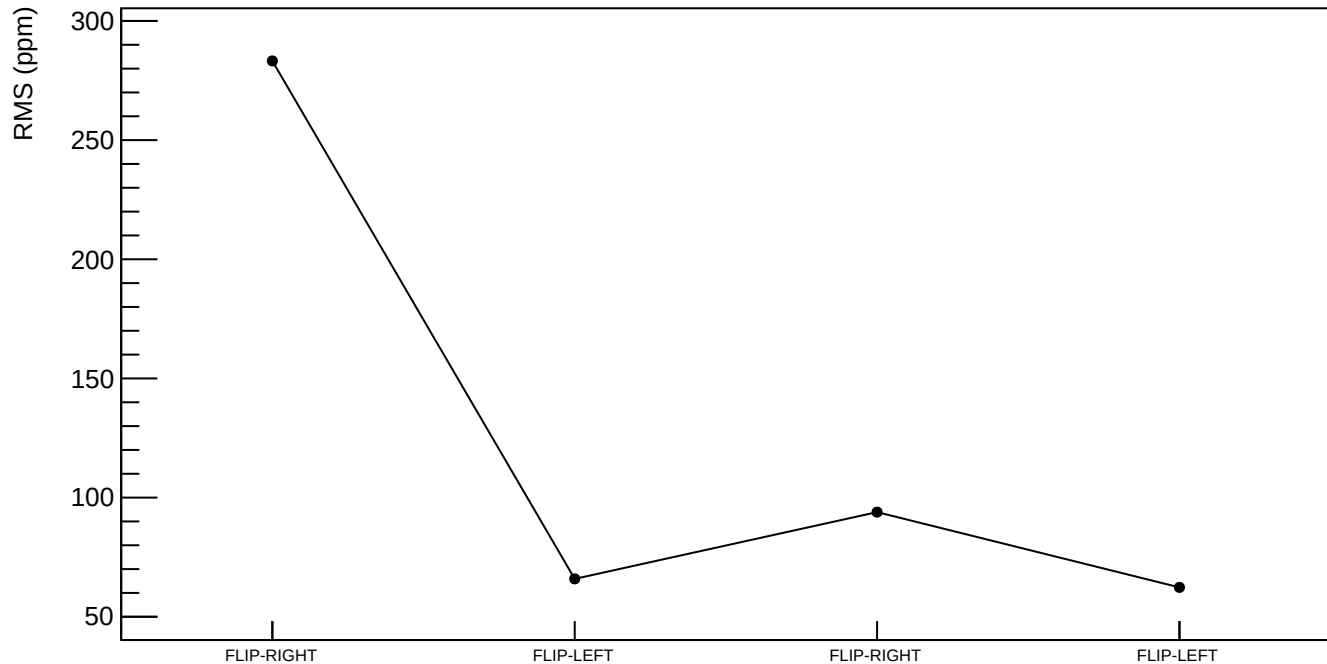
corr_us_avg_bpm12X (ppb)



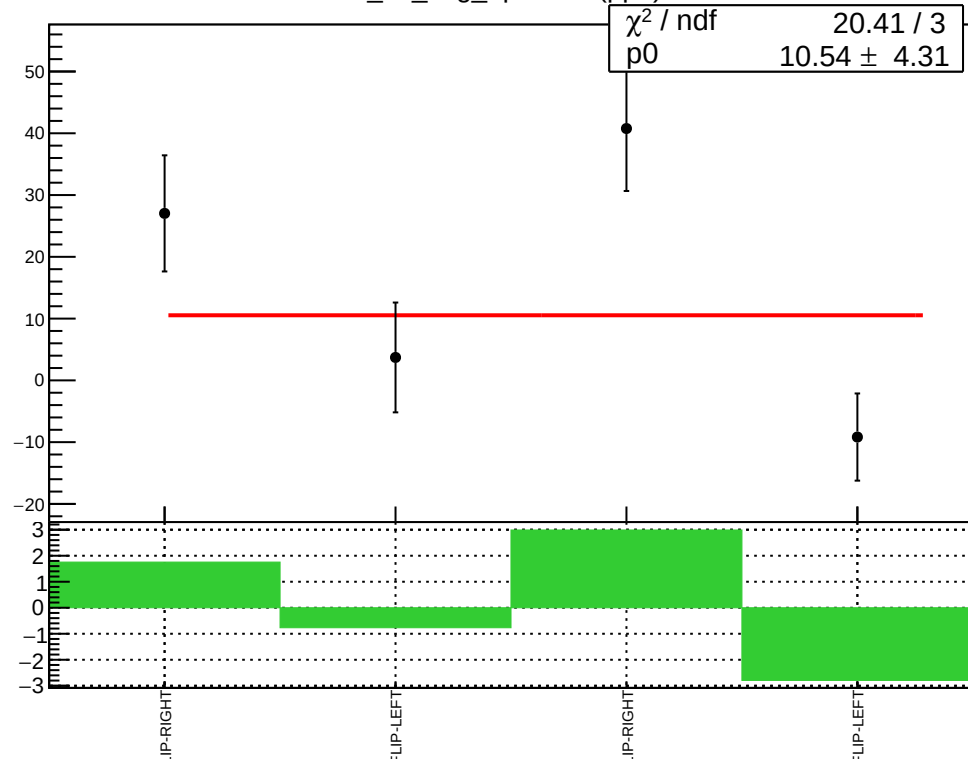
1D pull distribution



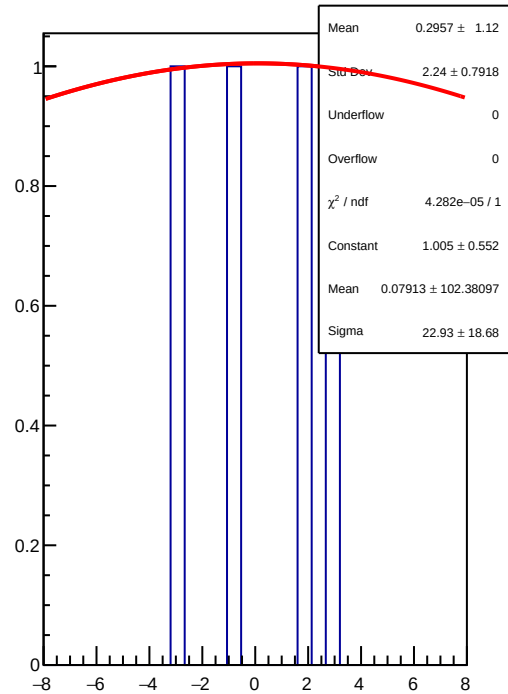
corr_us_avg_bpm12X RMS (ppm)



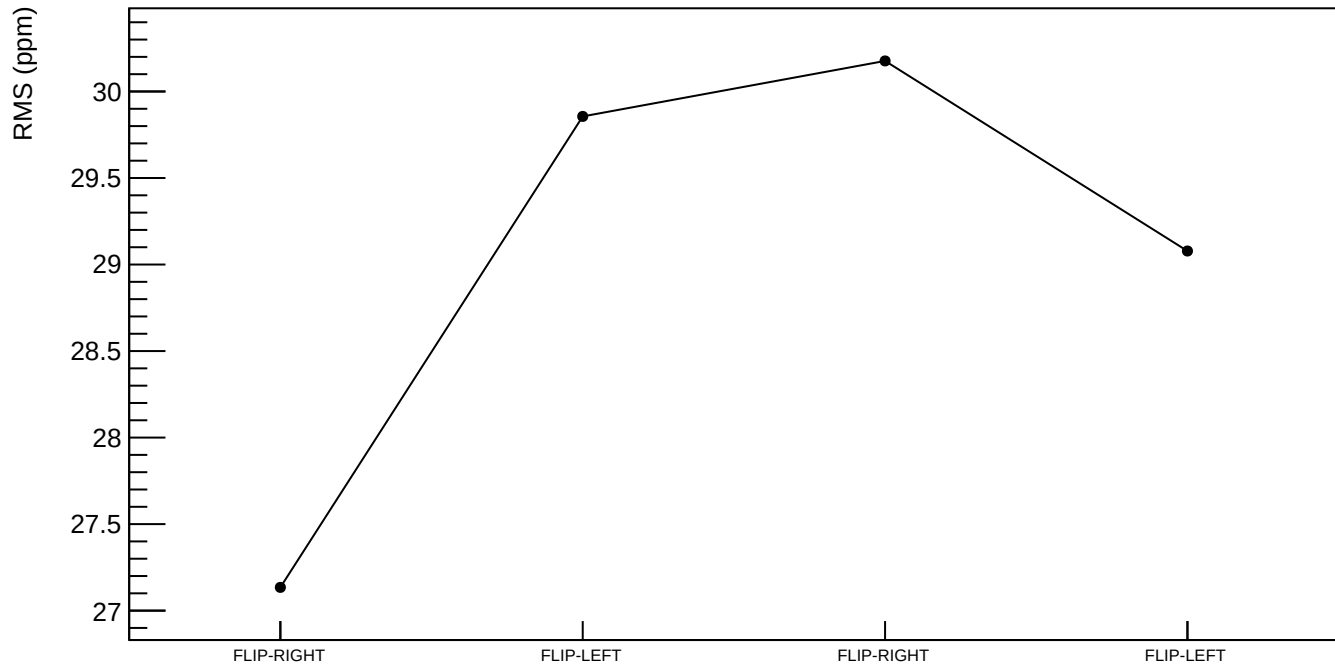
corr_us_avg_bpm12Y (ppb)



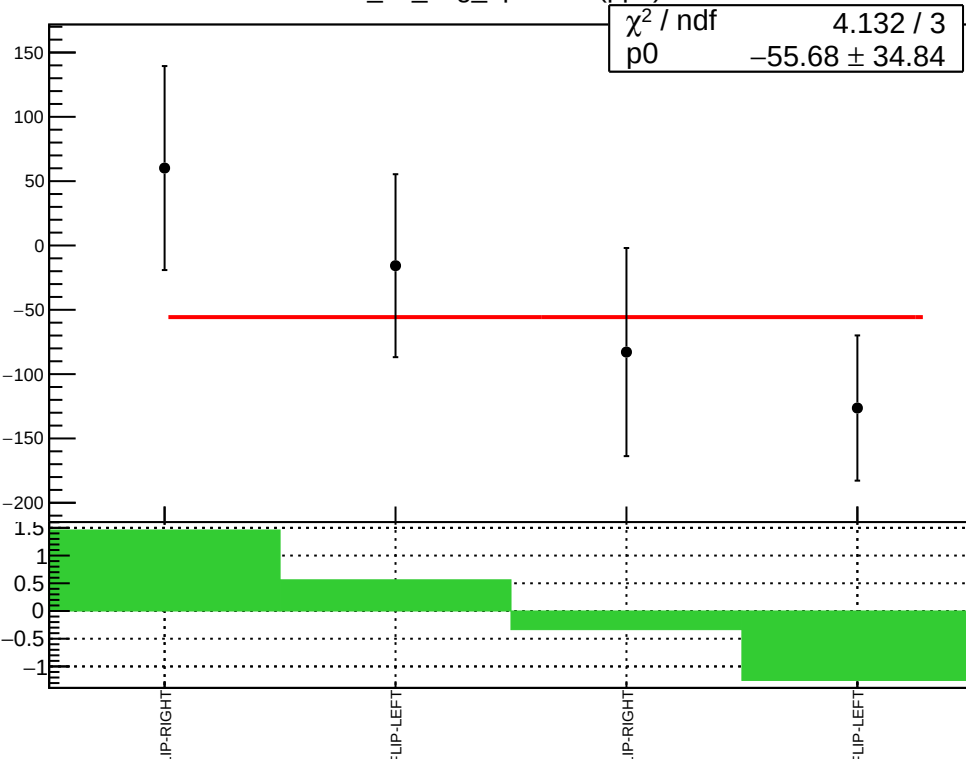
1D pull distribution



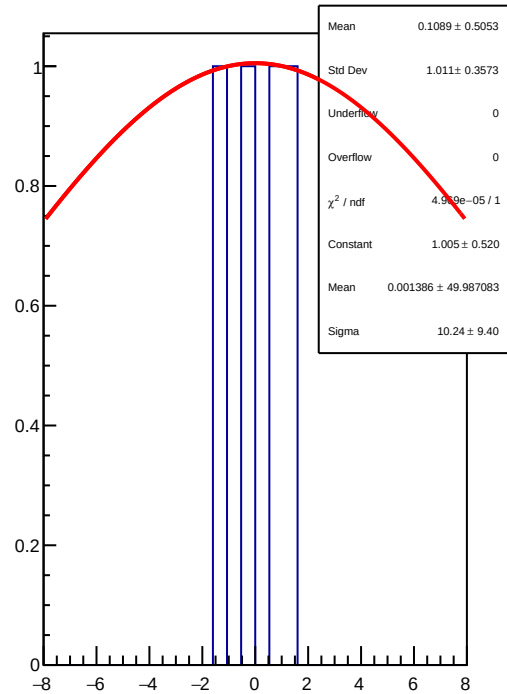
corr_us_avg_bpm12Y RMS (ppm)



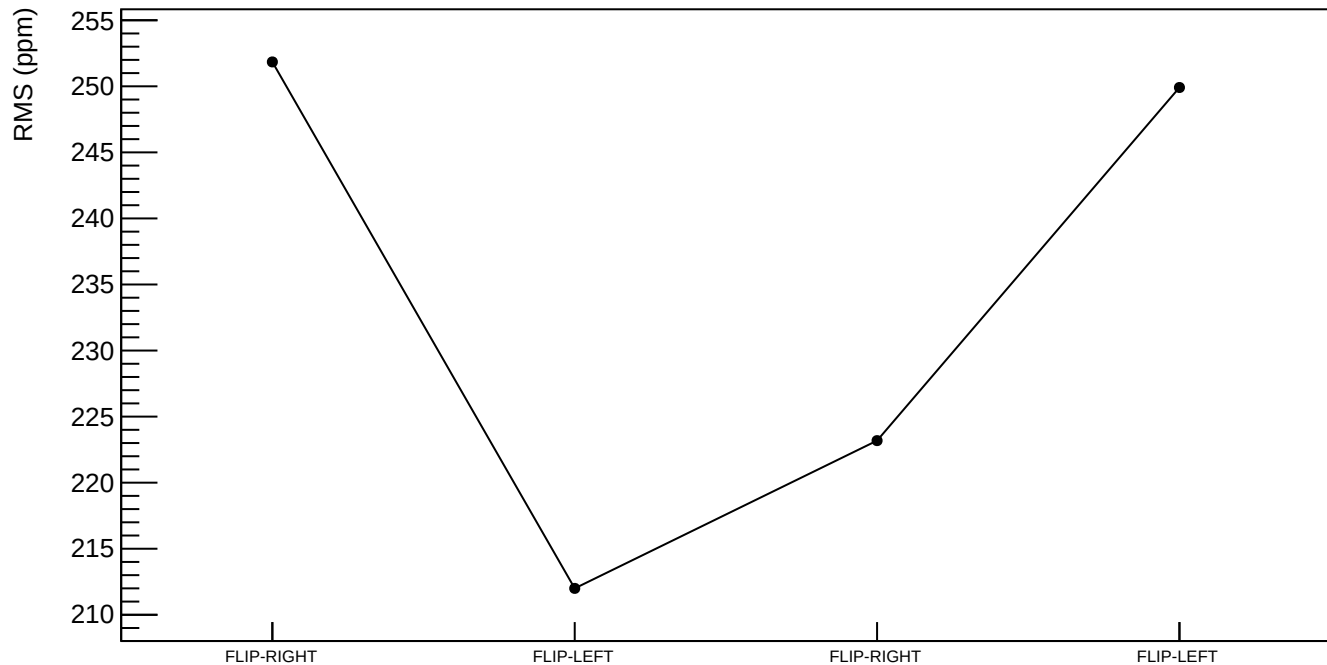
corr_us_avg_bpm11X (ppb)



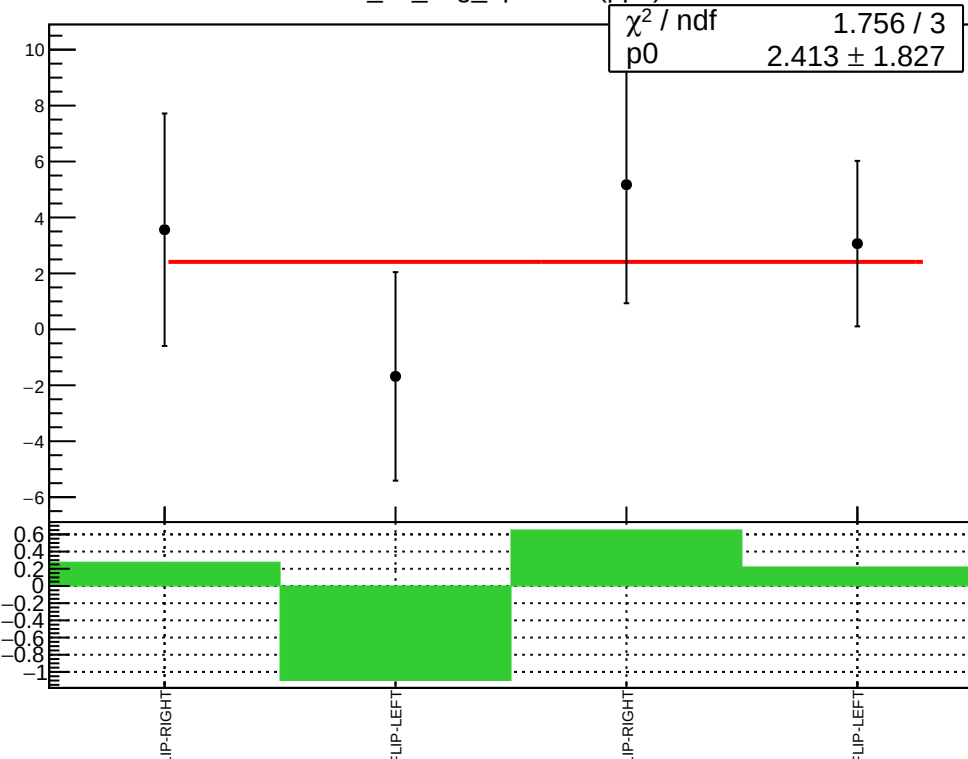
1D pull distribution



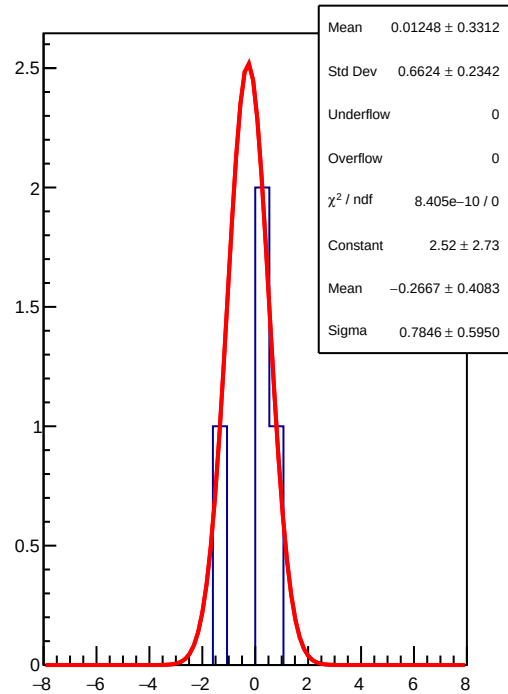
corr_us_avg_bpm11X RMS (ppm)



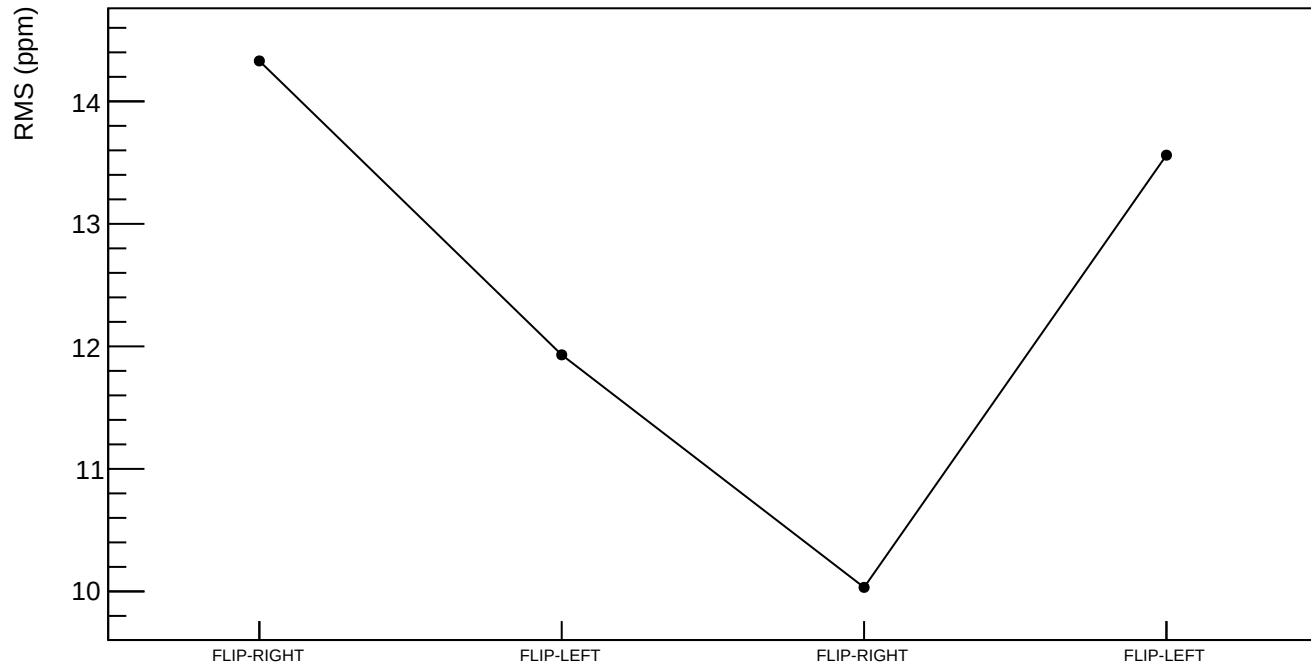
corr_us_avg_bpm11Y (ppb)



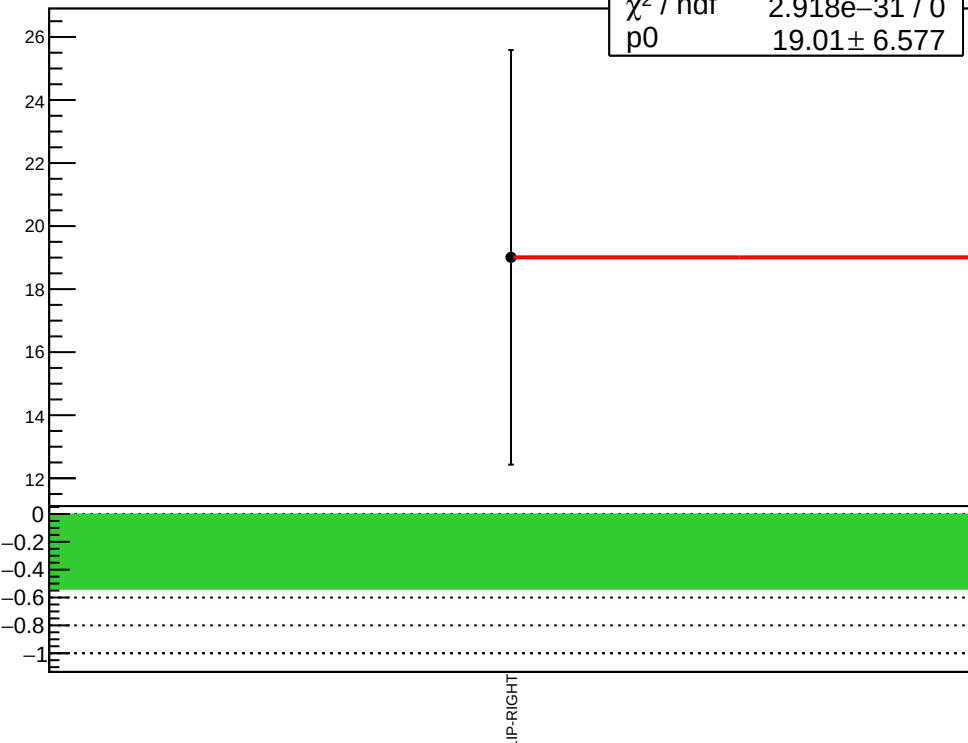
1D pull distribution



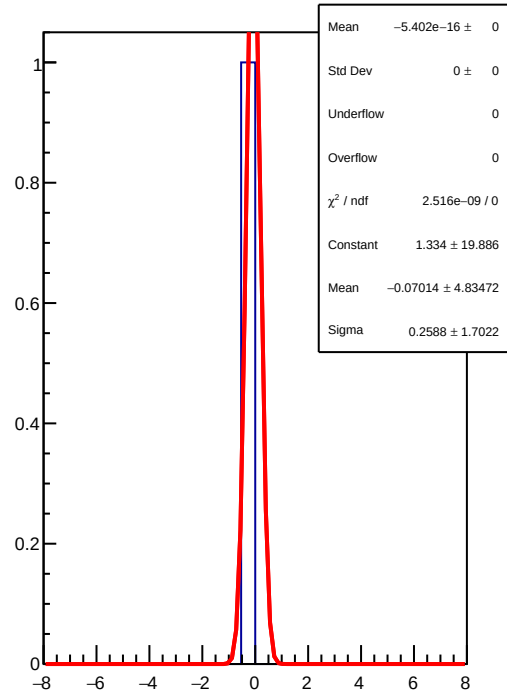
corr_us_avg_bpm11Y RMS (ppm)



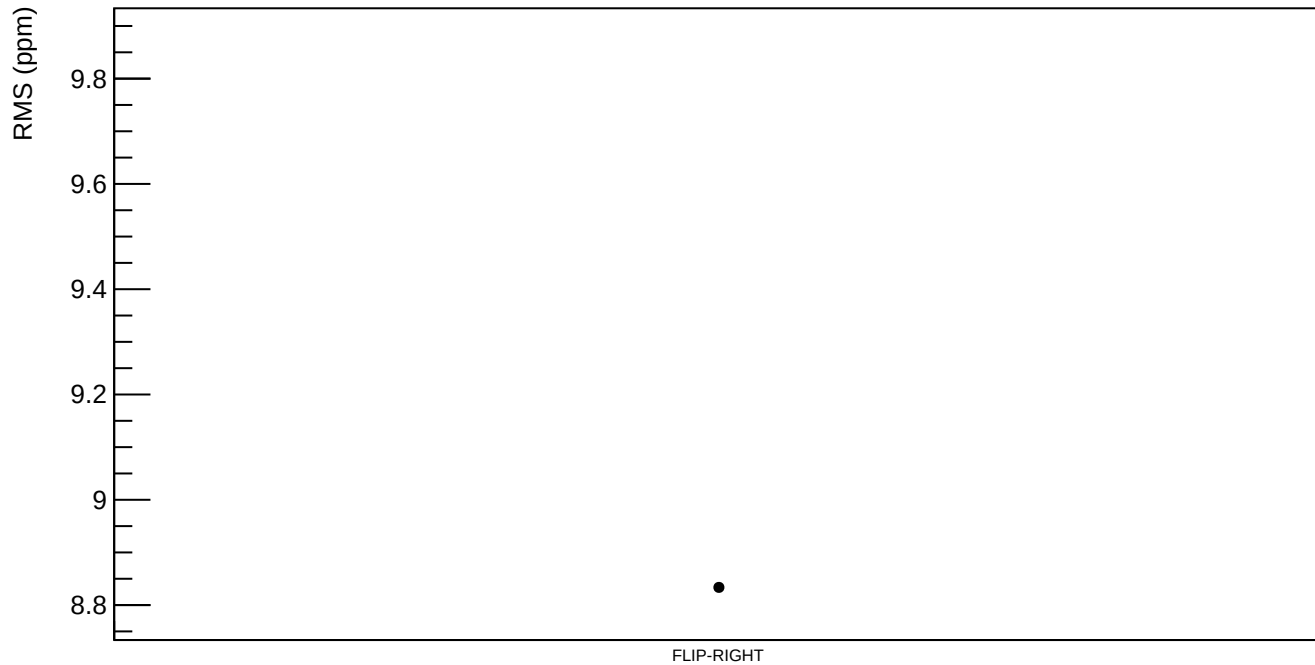
corr_us_avg_bpm8X (ppb)



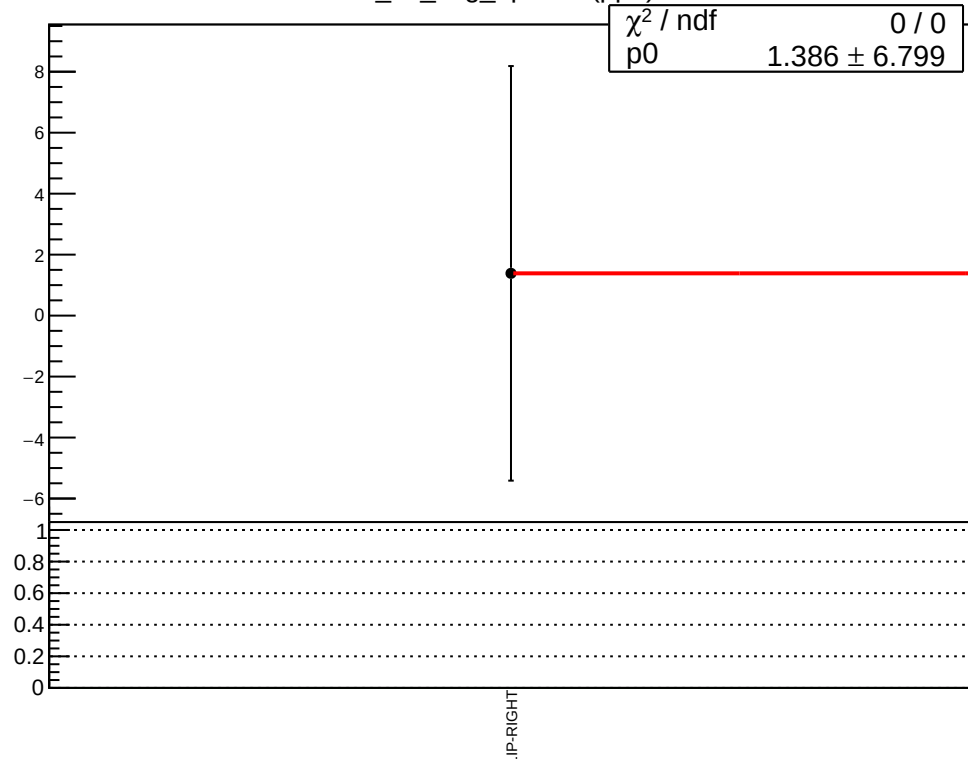
1D pull distribution



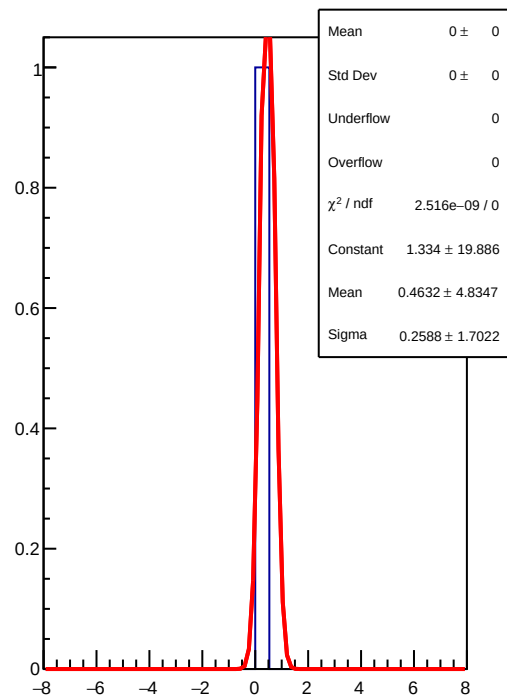
corr_us_avg_bpm8X RMS (ppm)



corr_us_avg_bpm8Y (ppb)



1D pull distribution



corr_us_avg_bpm8Y RMS (ppm)

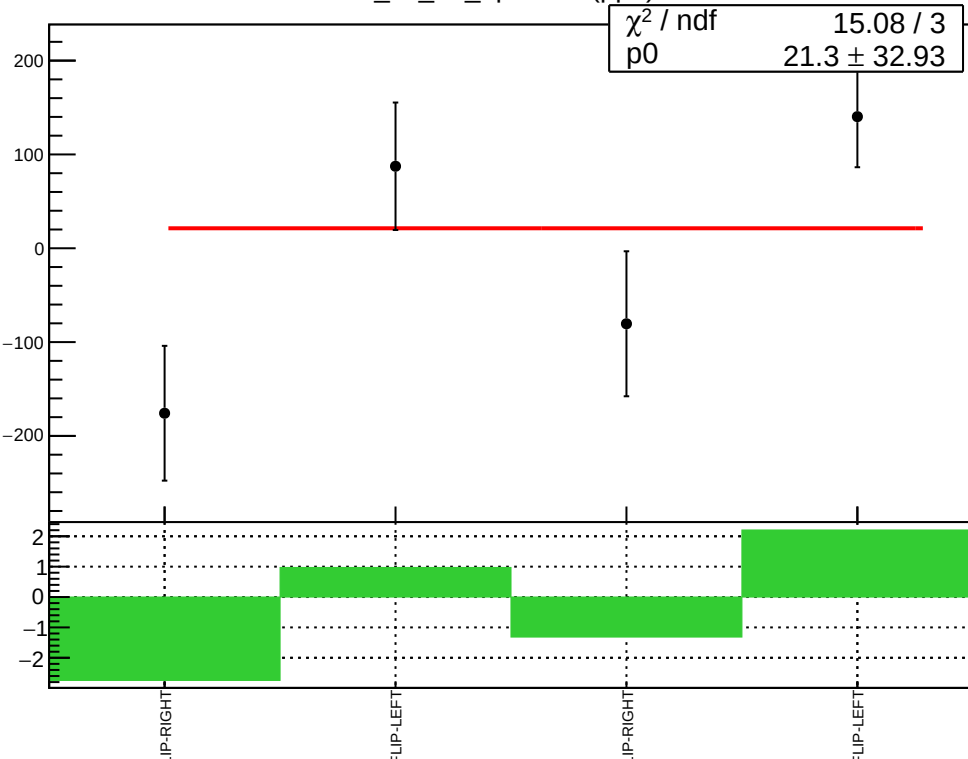
RMS (ppm)

14
13.8
13.6
13.4
13.2
13

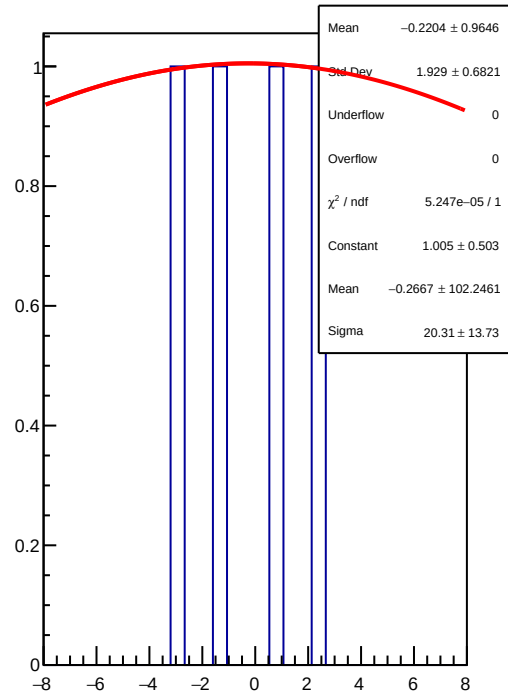
FLIP-RIGHT



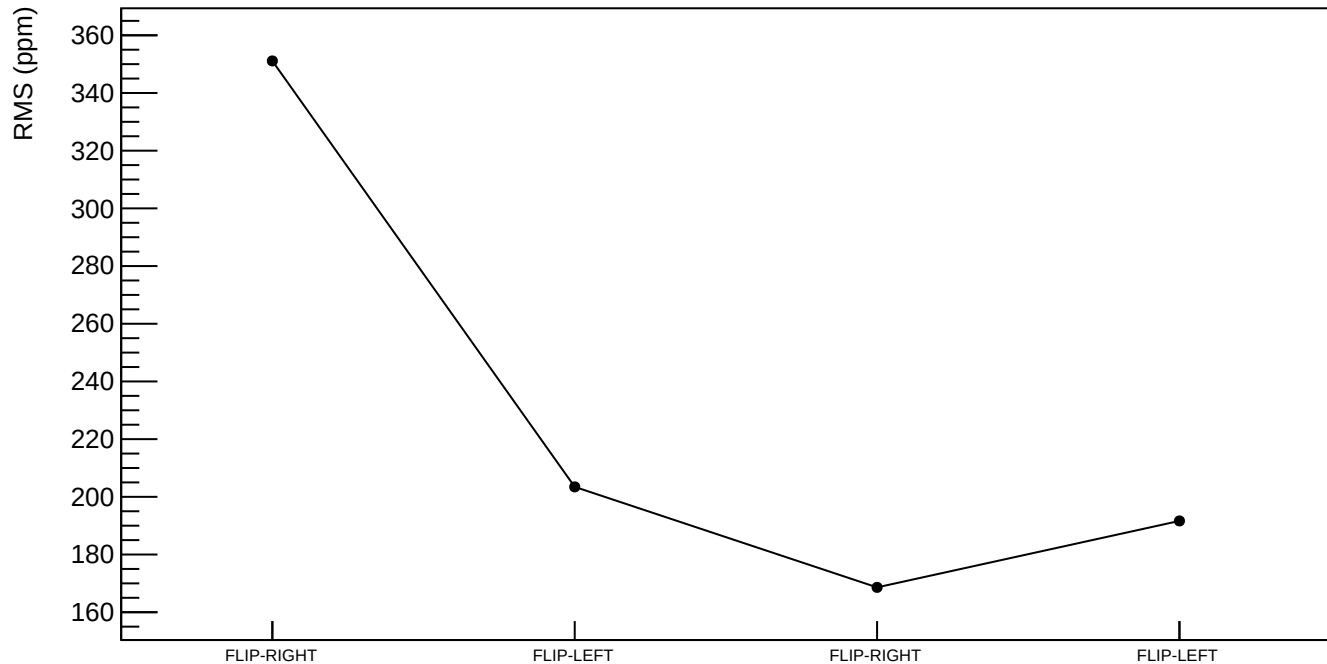
corr_us_dd_bpm4eX (ppb)



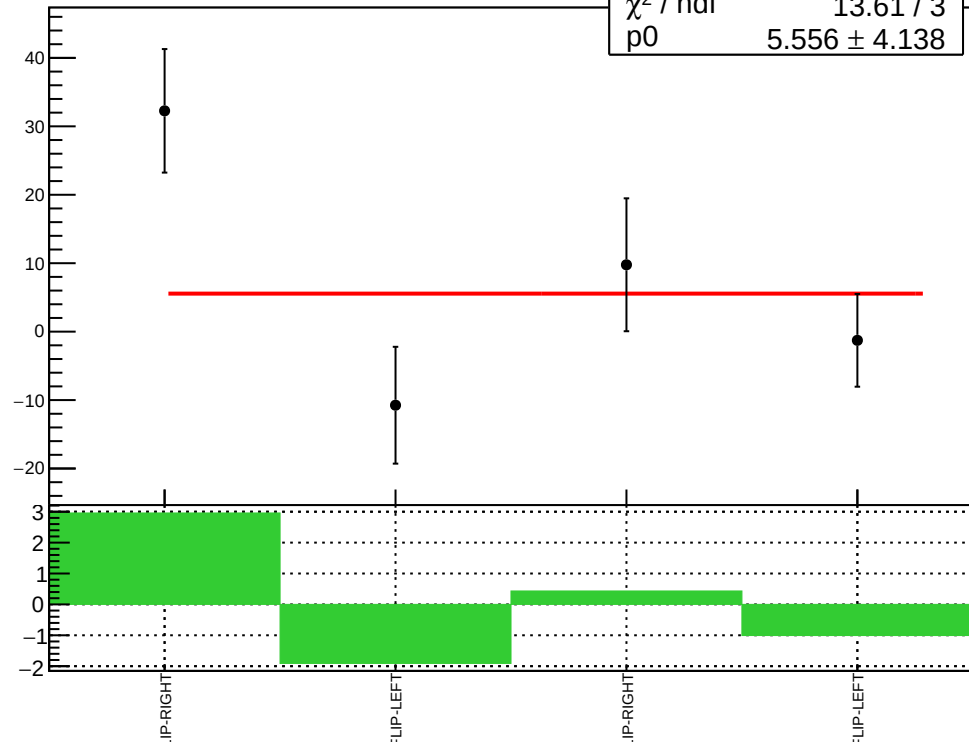
1D pull distribution



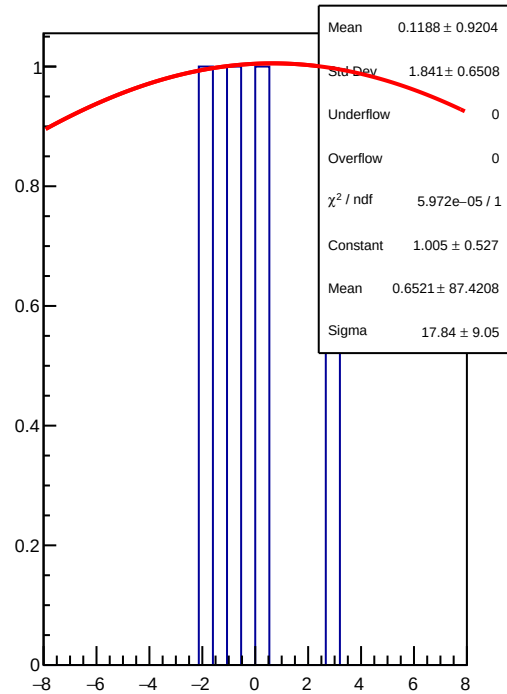
corr_us_dd_bpm4eX RMS (ppm)



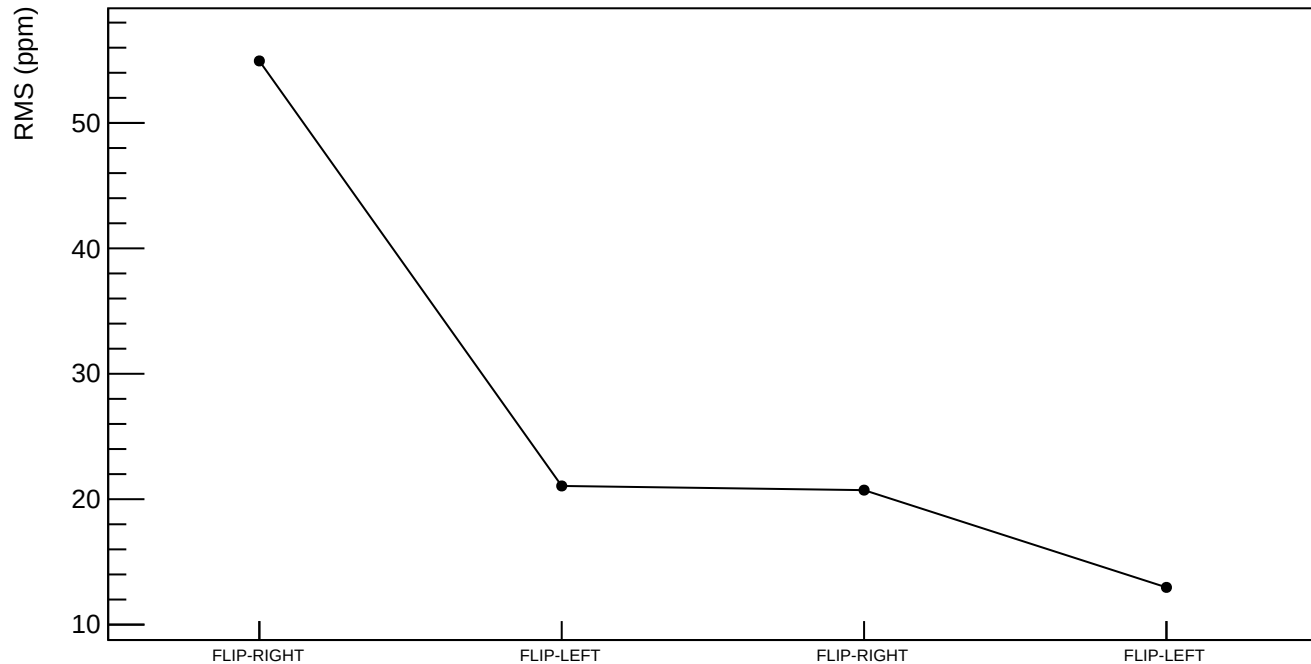
corr_us_dd_bpm4eY (ppb)

 χ^2 / ndf 13.61 / 3
p0 5.556 ± 4.138 

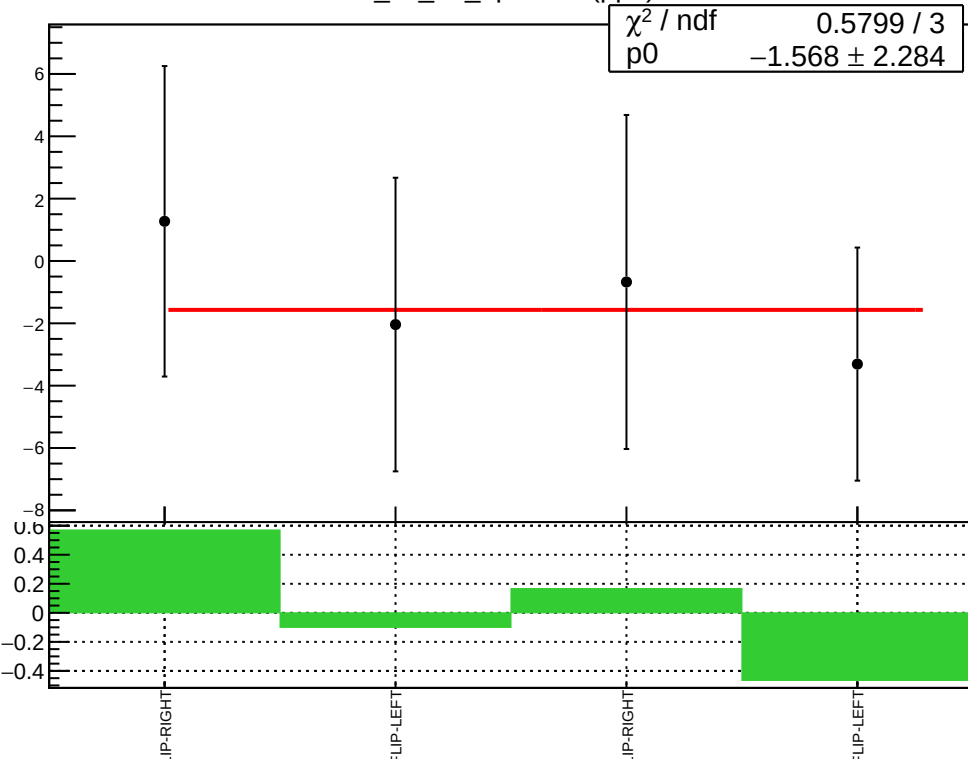
1D pull distribution



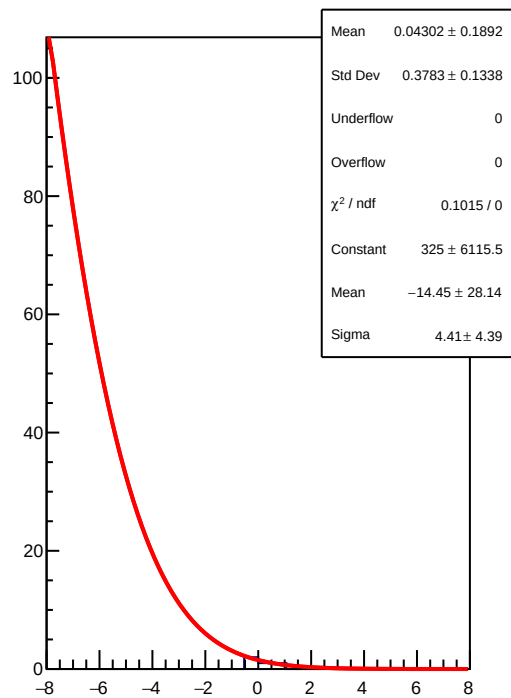
corr_us_dd_bpm4eY RMS (ppm)



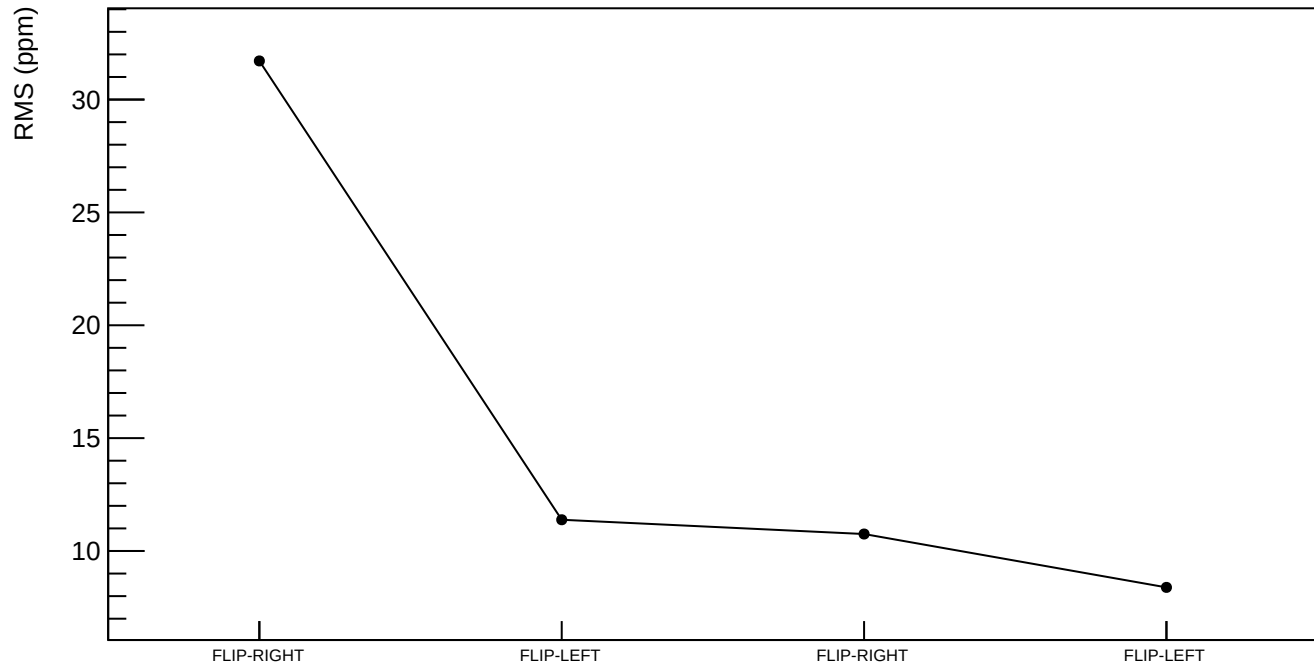
corr_us_dd_bpm4aX (ppb)



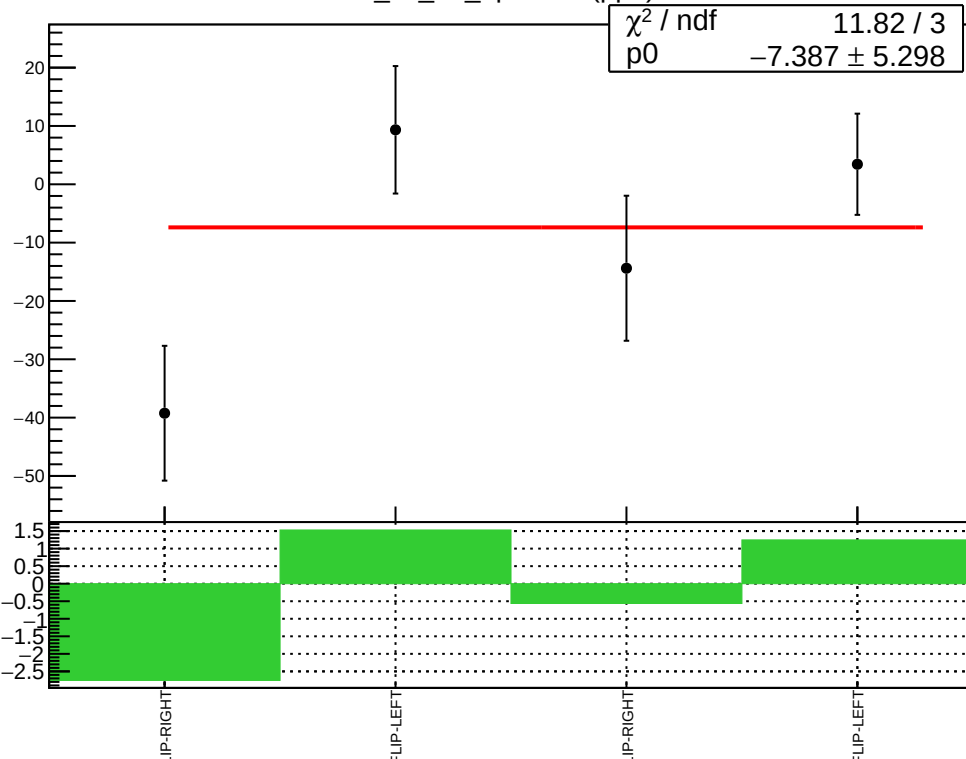
1D pull distribution



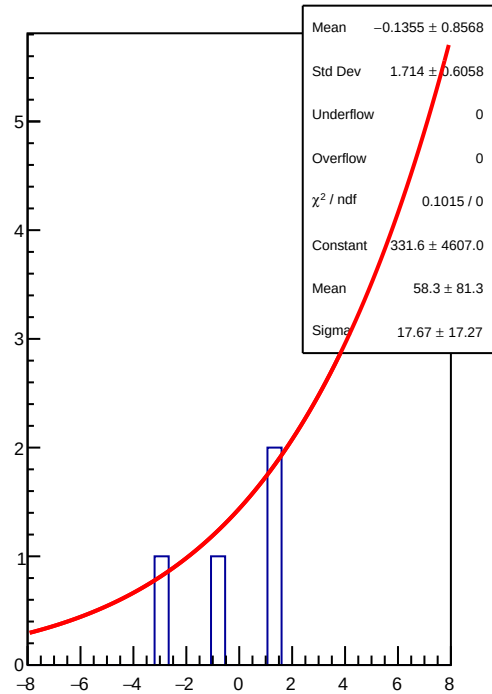
corr_us_dd_bpm4aX RMS (ppm)



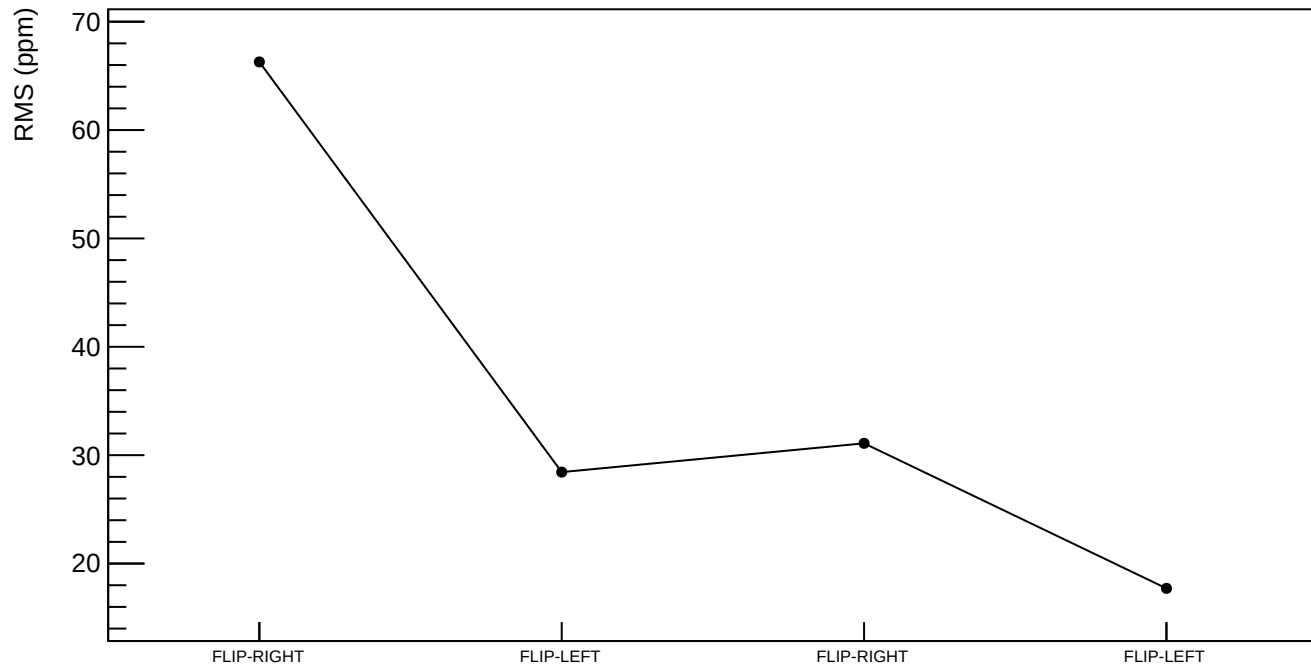
corr_us_dd_bpm4aY (ppb)



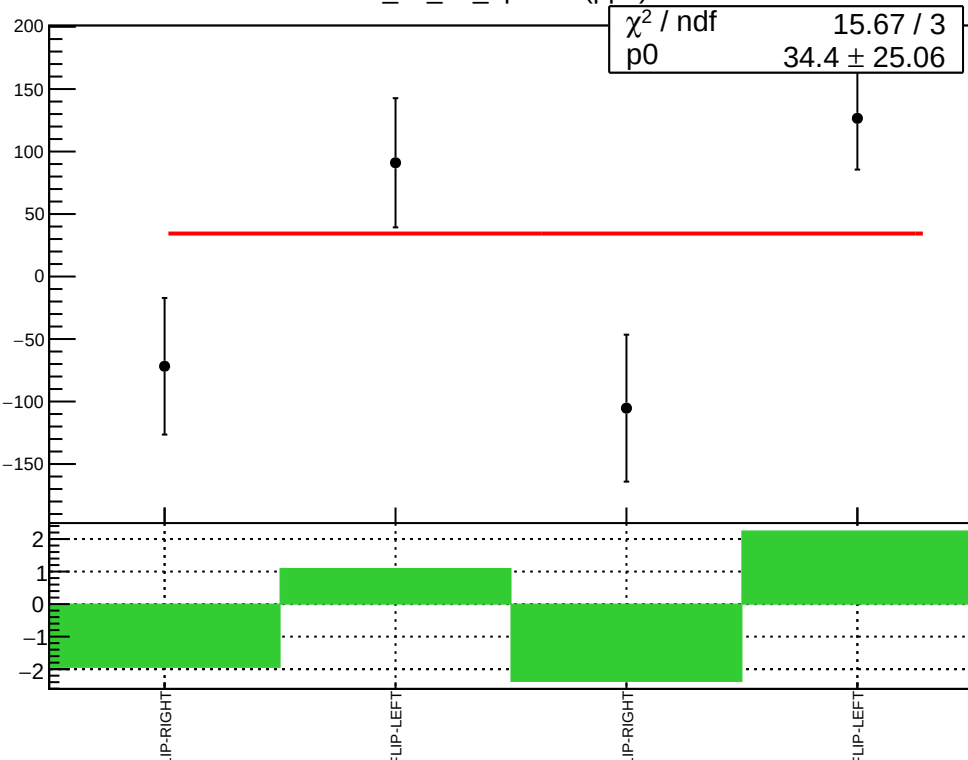
1D pull distribution



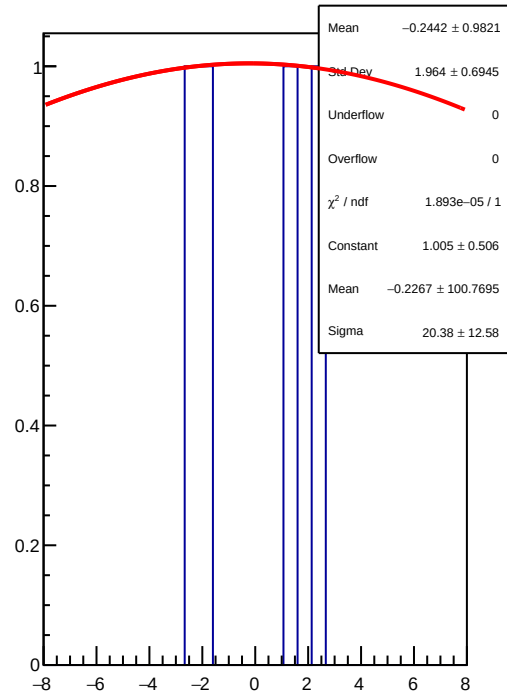
corr_us_dd_bpm4aY RMS (ppm)



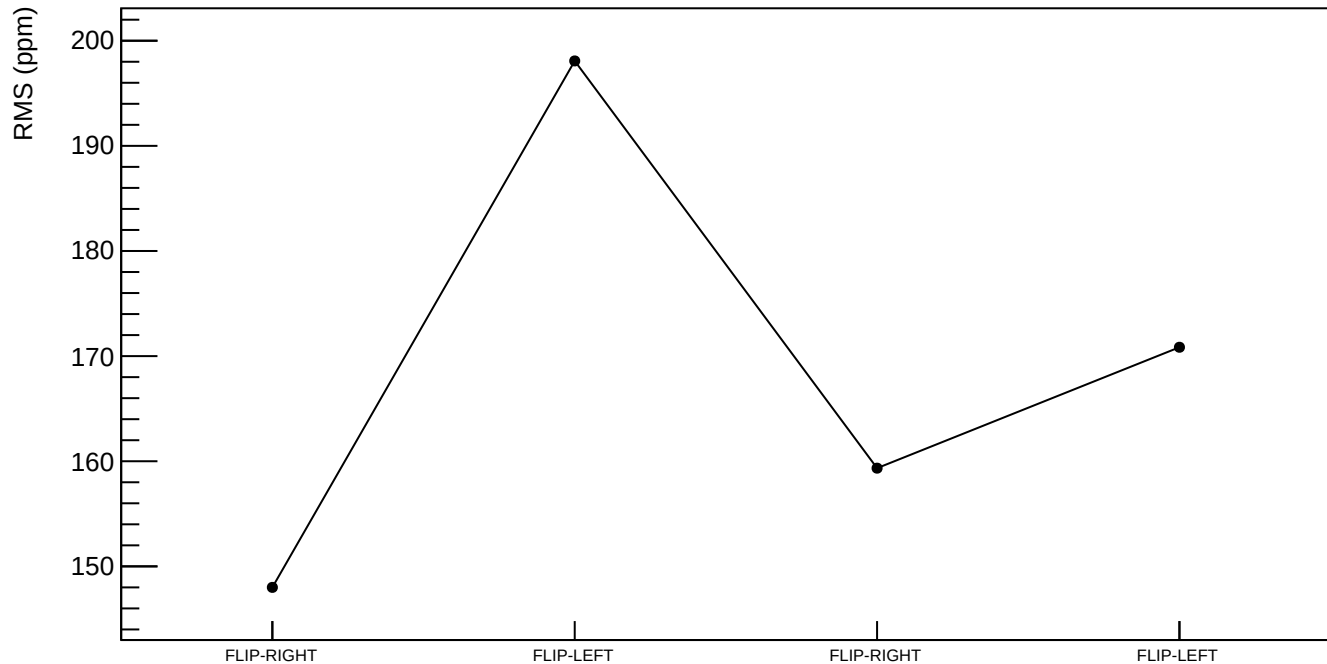
corr_us_dd_bpm1X (ppb)



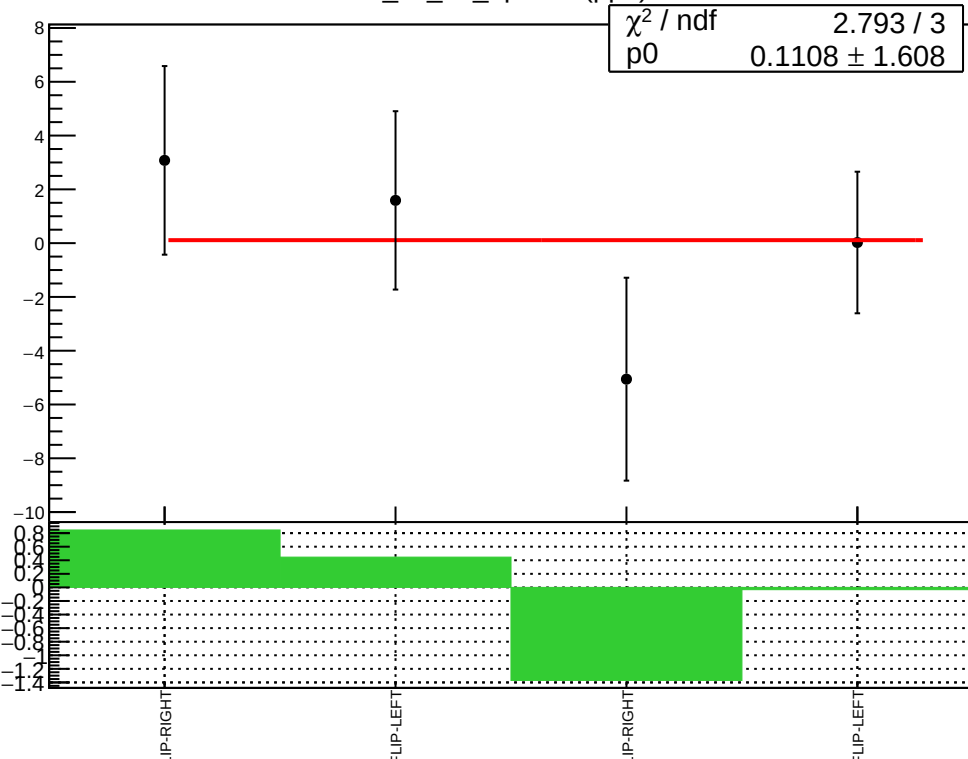
1D pull distribution



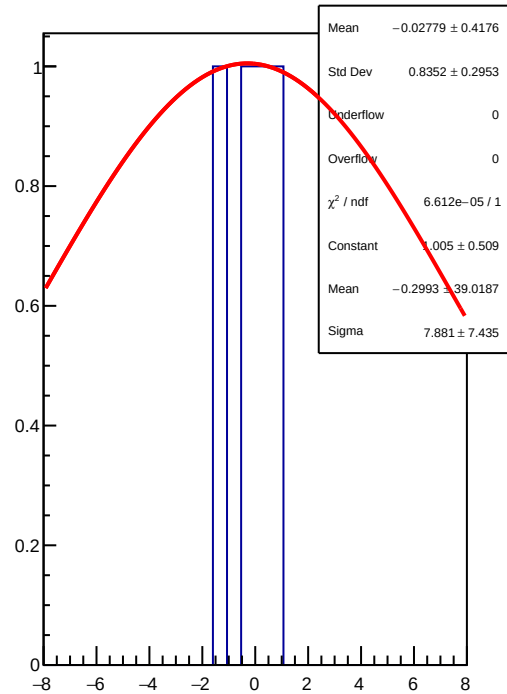
corr_us_dd_bpm1X RMS (ppm)



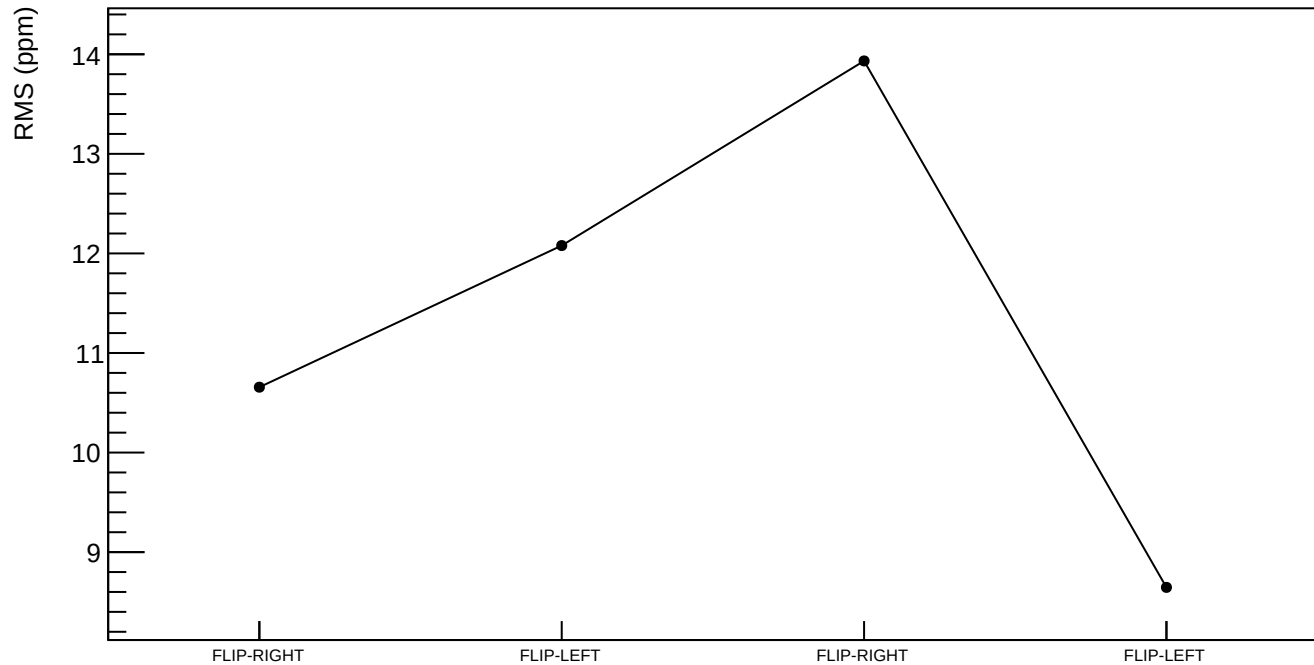
corr_us_dd_bpm1Y (ppb)



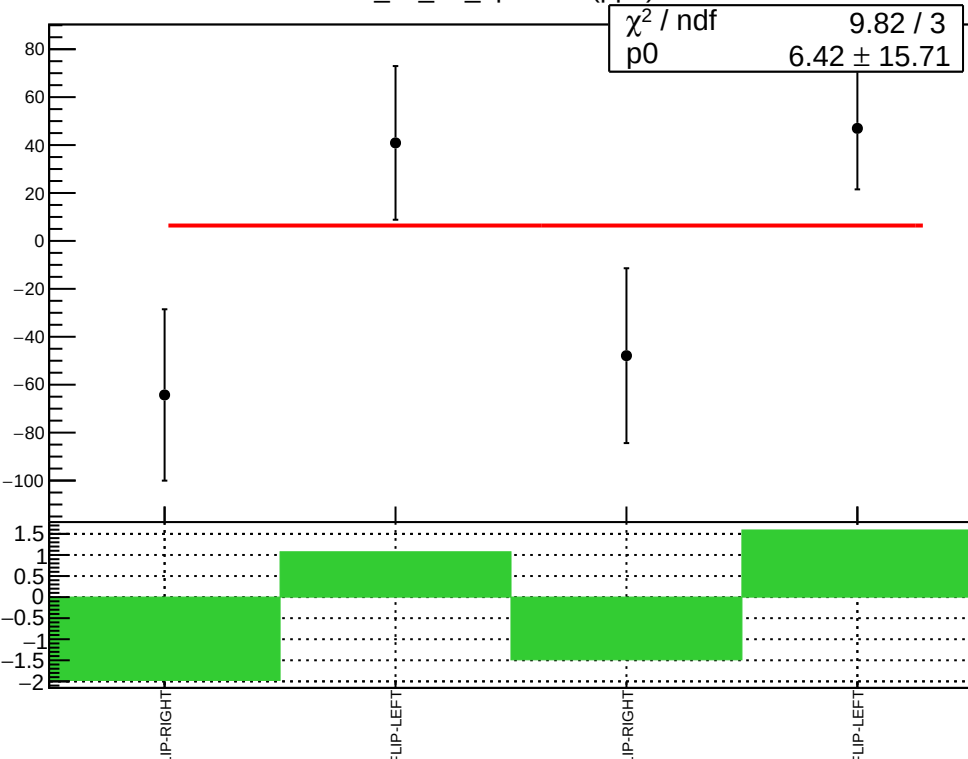
1D pull distribution



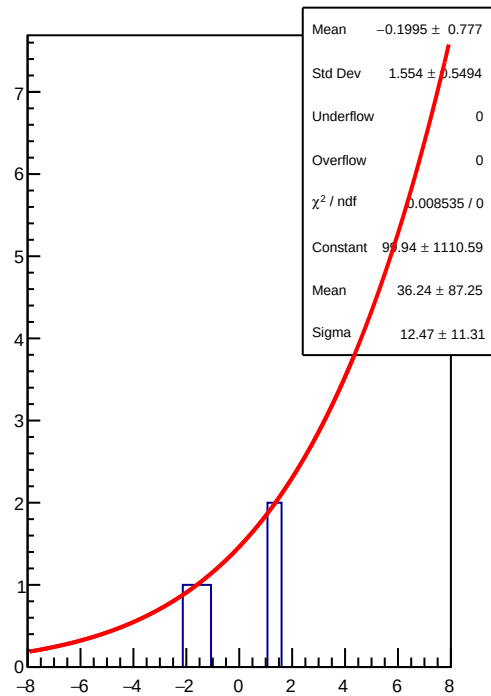
corr_us_dd_bpm1Y RMS (ppm)



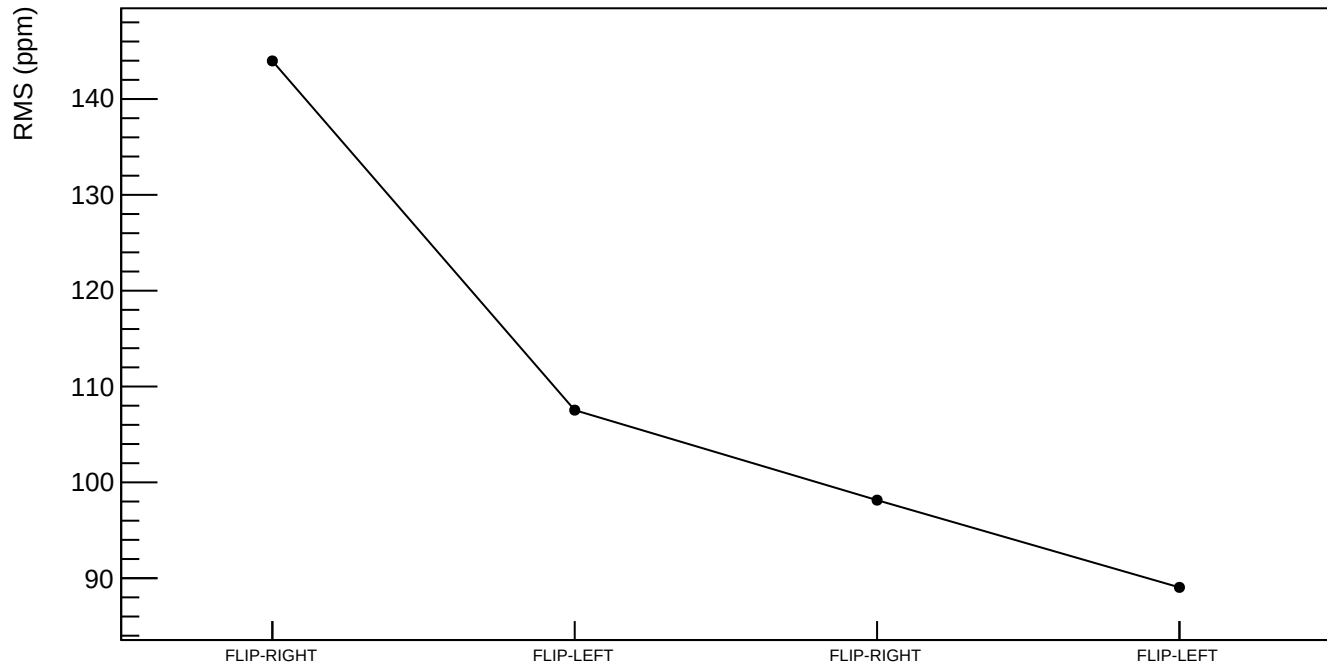
corr_us_dd_bpm16X (ppb)



1D pull distribution



corr_us_dd_bpm16X RMS (ppm)

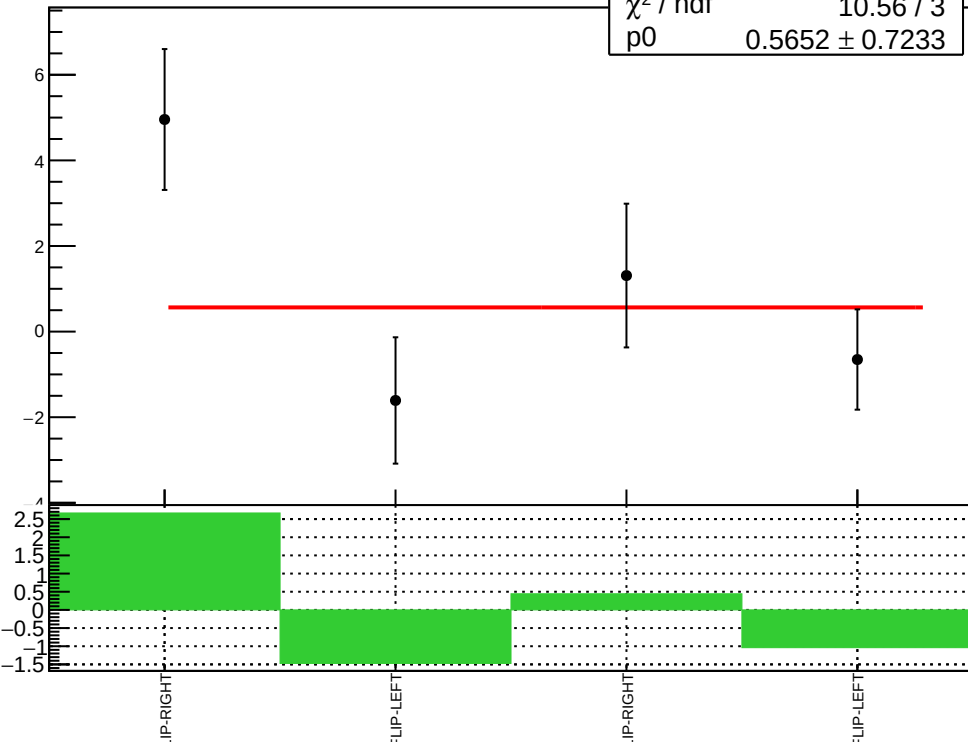


corr_us_dd_bpm16Y (ppb)

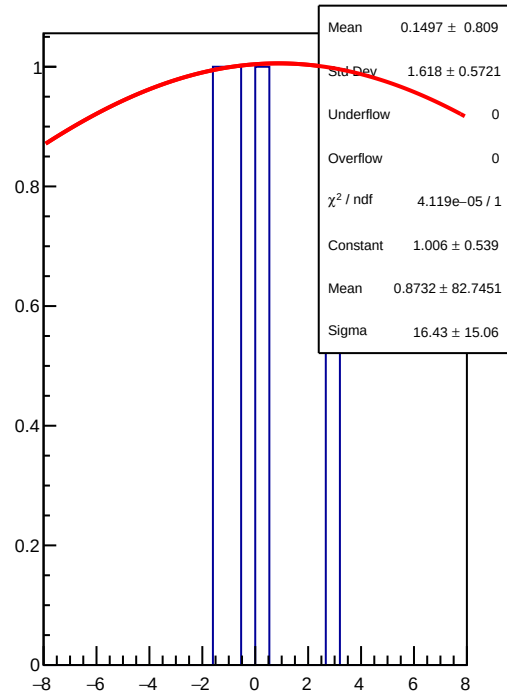
 χ^2 / ndf

10.56 / 3

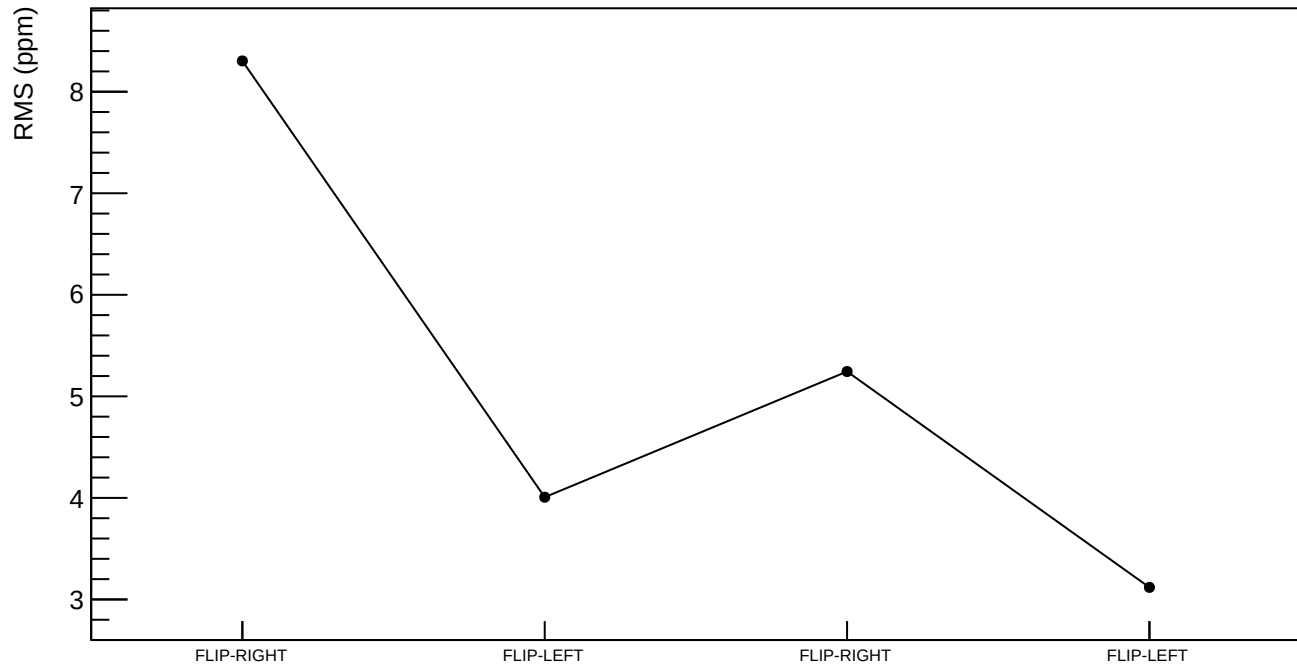
p0

 0.5652 ± 0.7233 

1D pull distribution



corr_us_dd_bpm16Y RMS (ppm)



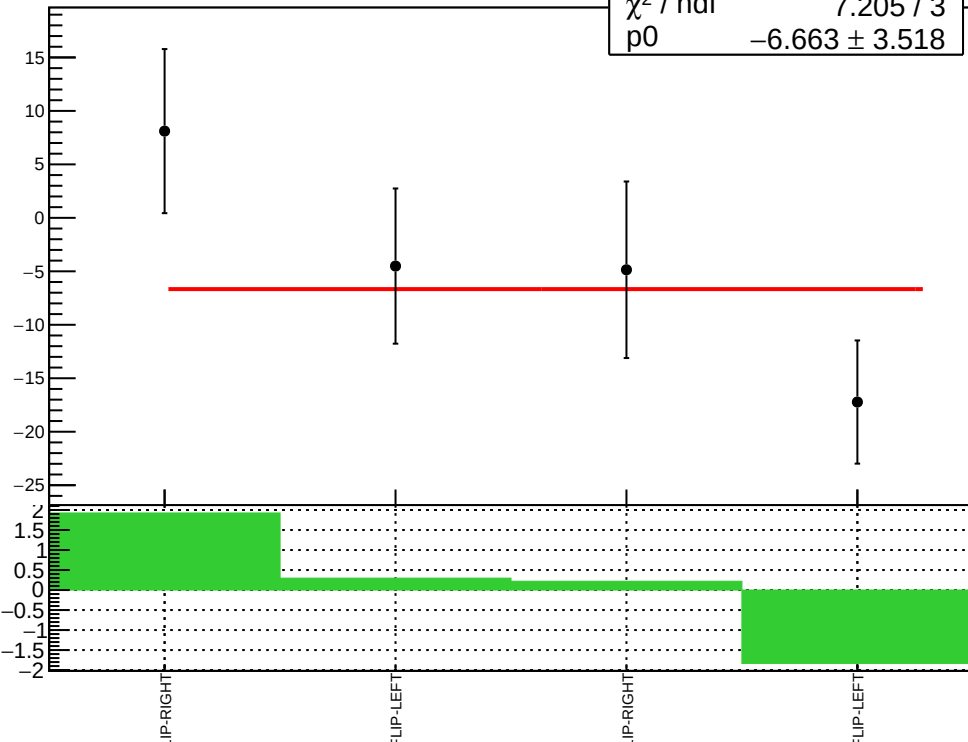
corr_us_dd_bpm12X (ppb)

χ^2 / nfd

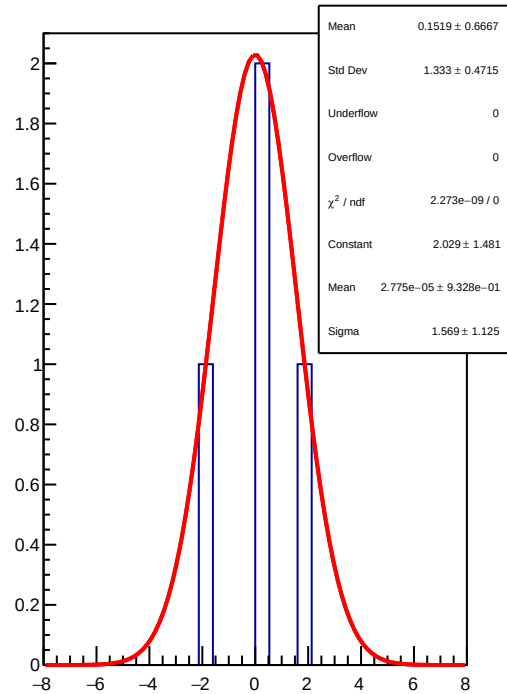
7.205 / 3

p0

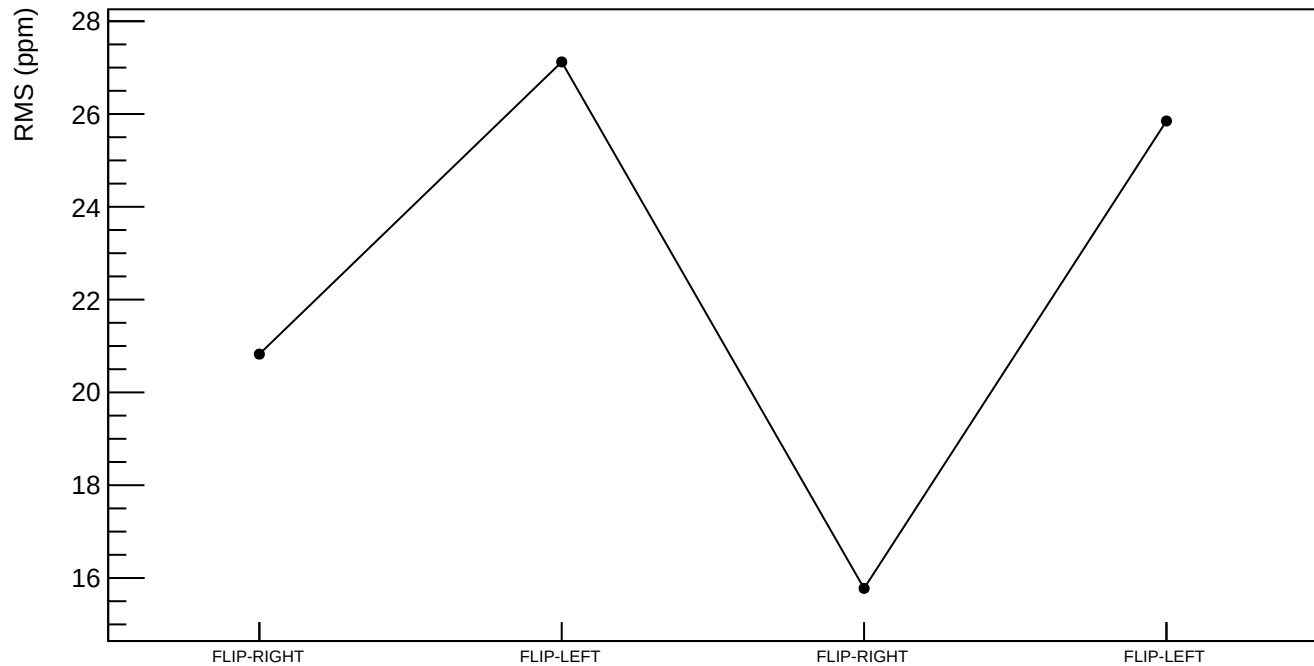
-6.663 ± 3.518



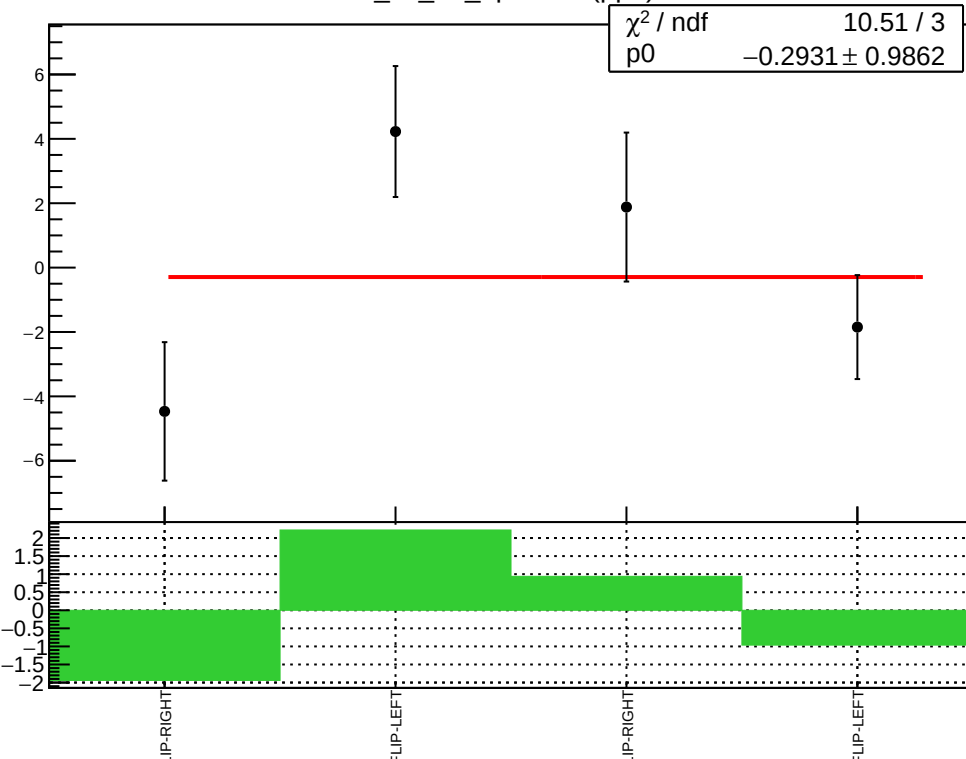
1D pull distribution



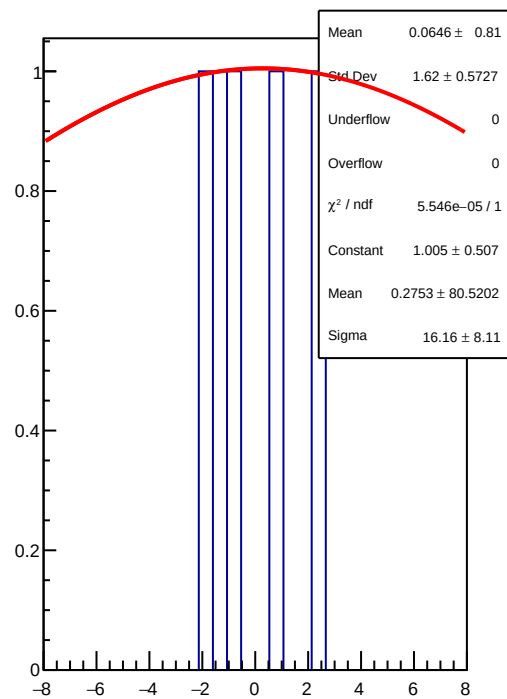
corr_us_dd_bpm12X RMS (ppm)



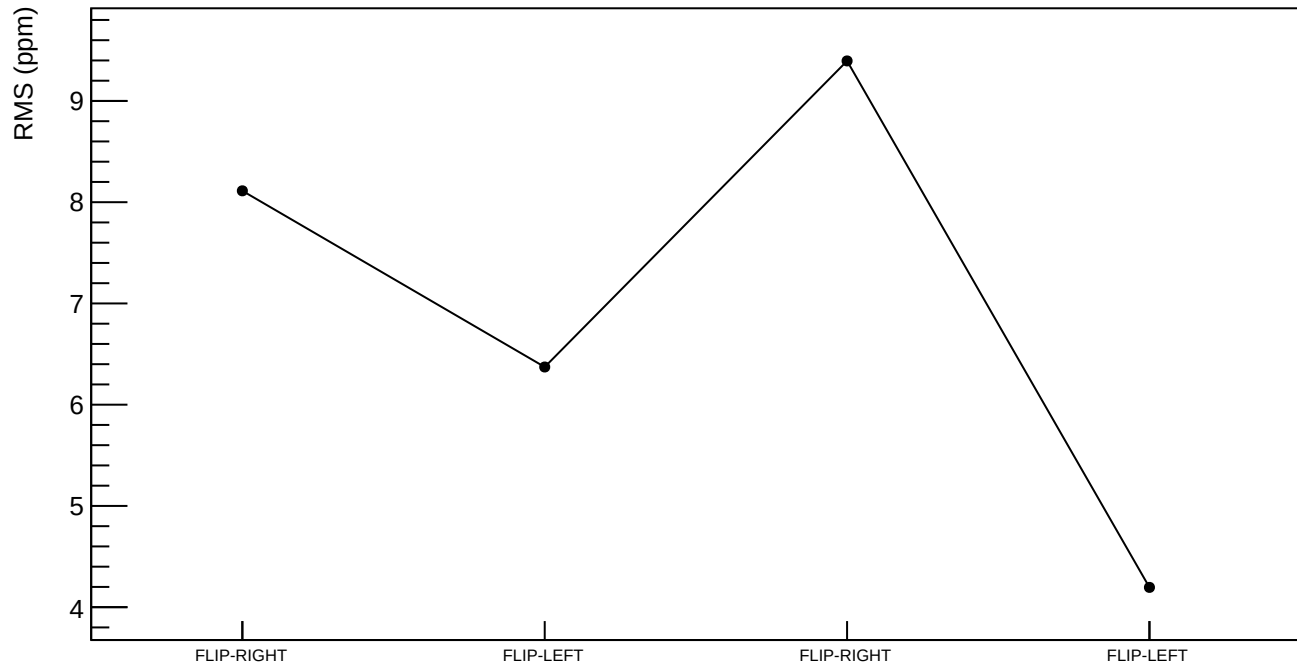
corr_us_dd_bpm12Y (ppb)



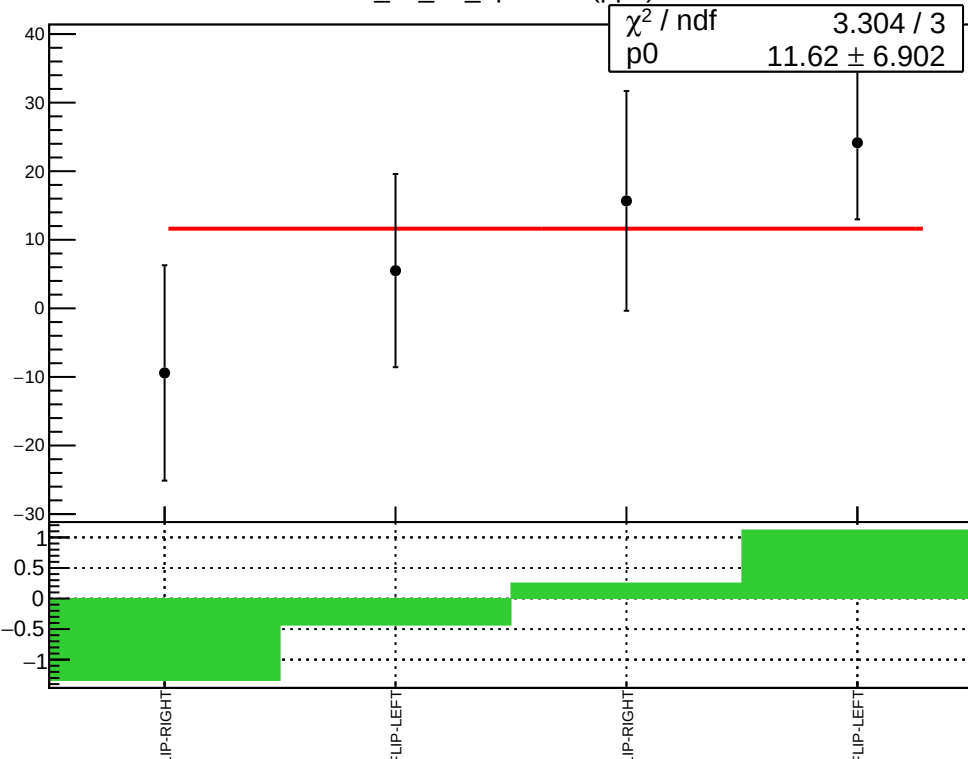
1D pull distribution



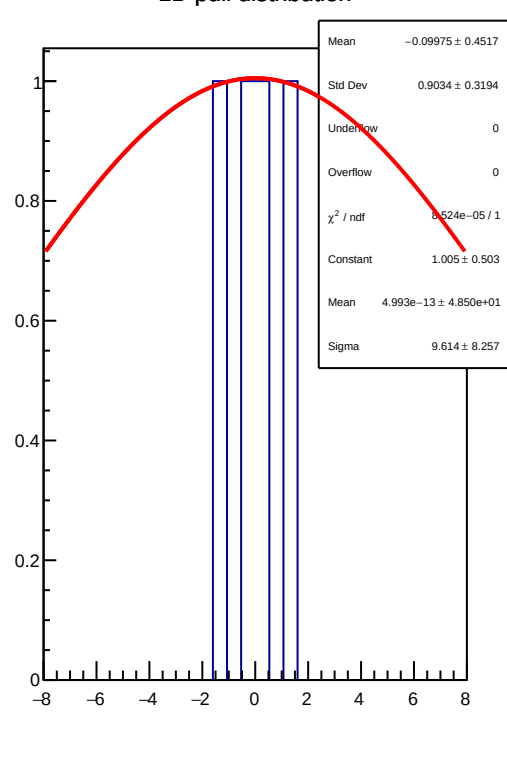
corr_us_dd_bpm12Y RMS (ppm)



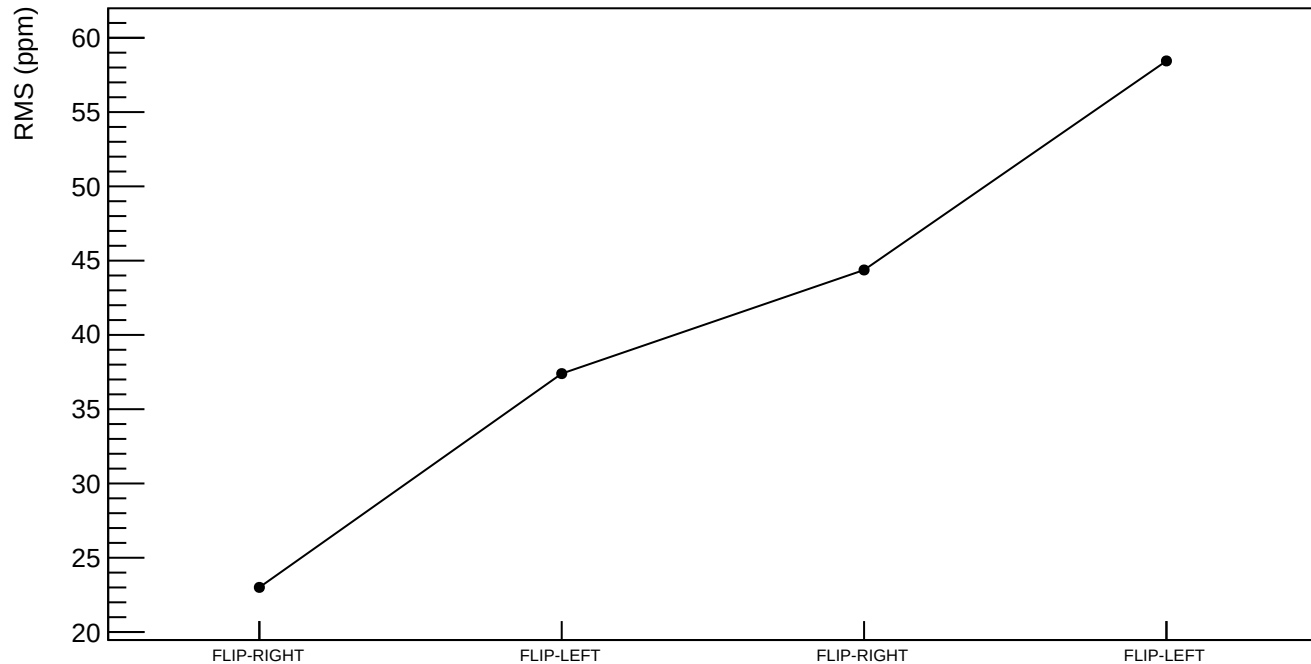
corr_us_dd_bpm11X (ppb)



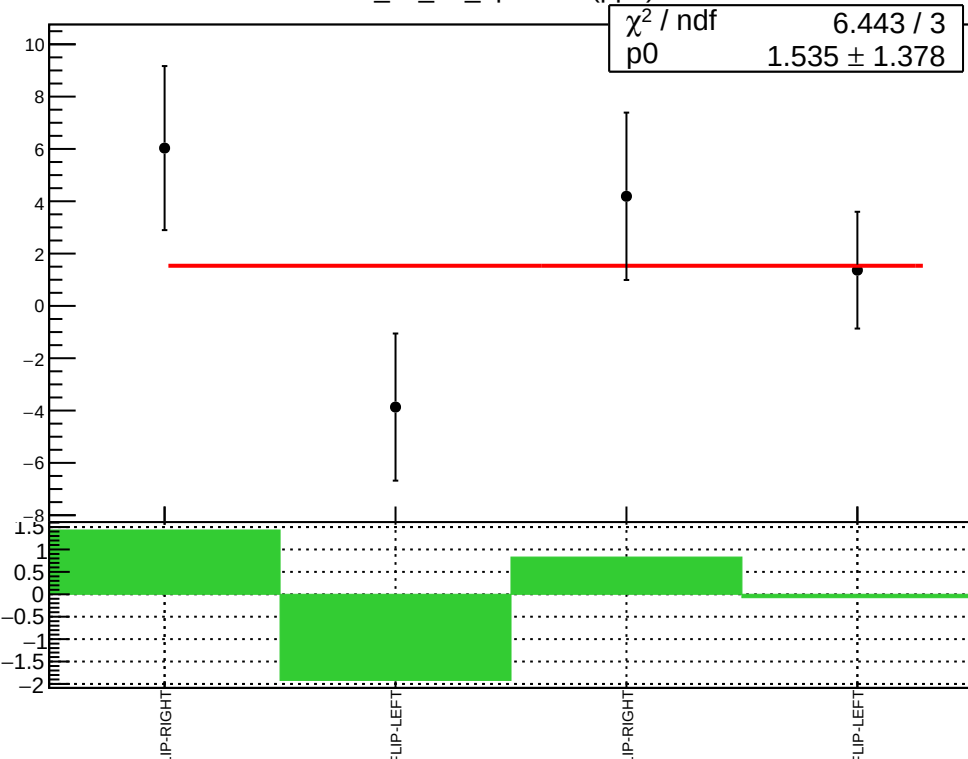
1D pull distribution



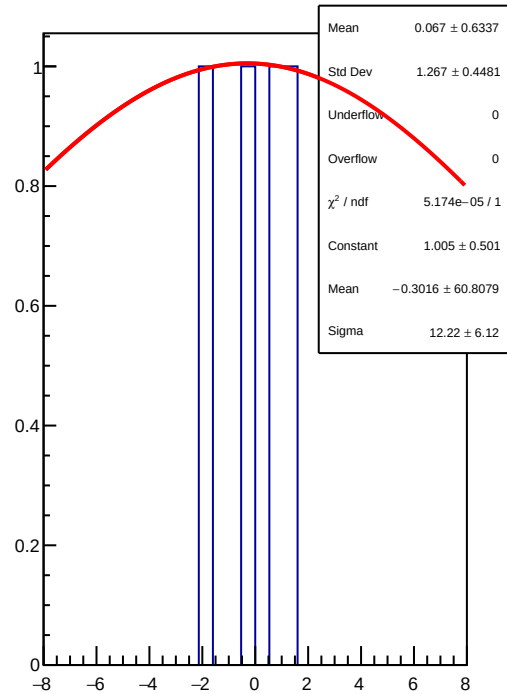
corr_us_dd_bpm11X RMS (ppm)



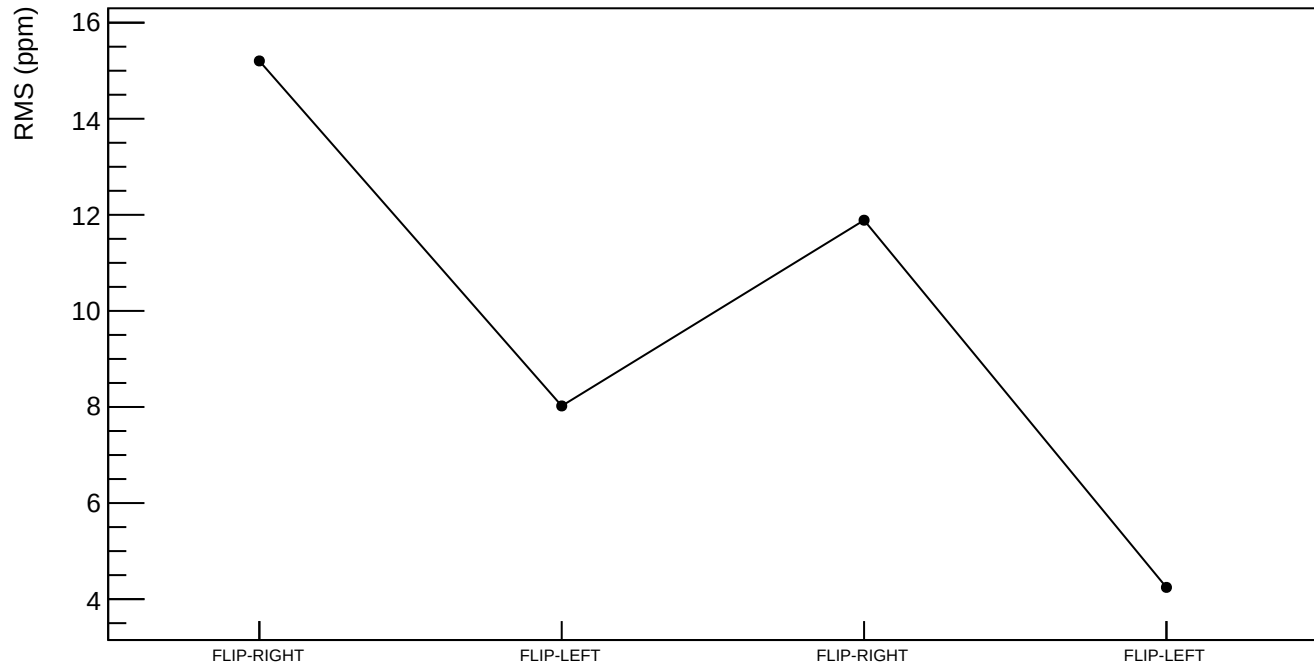
corr_us_dd_bpm11Y (ppb)



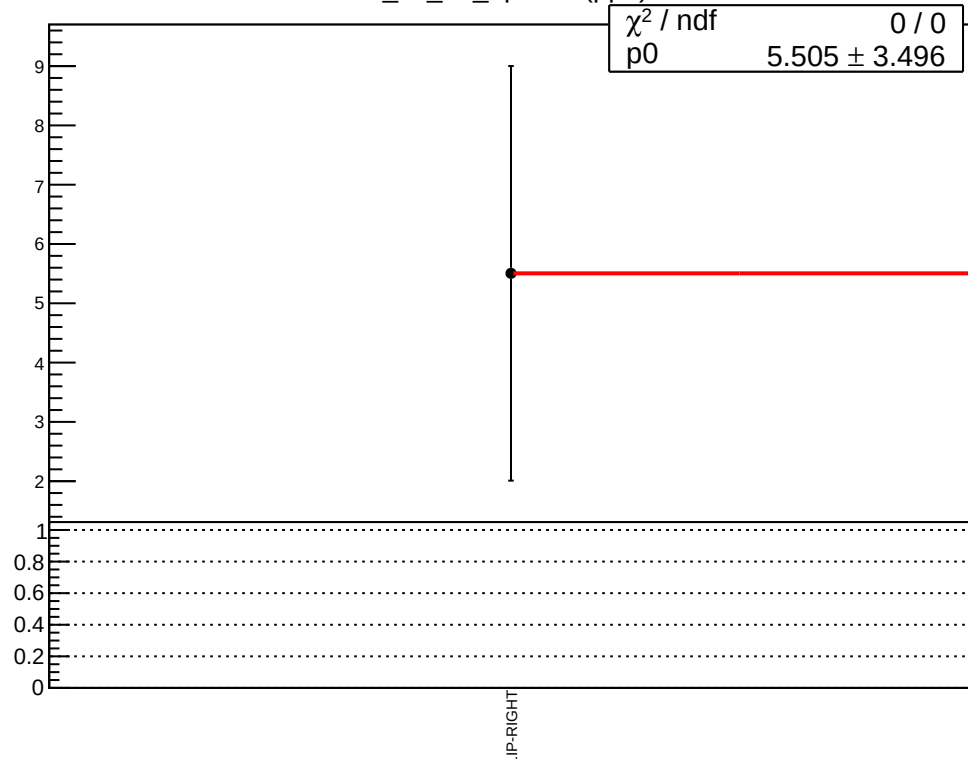
1D pull distribution



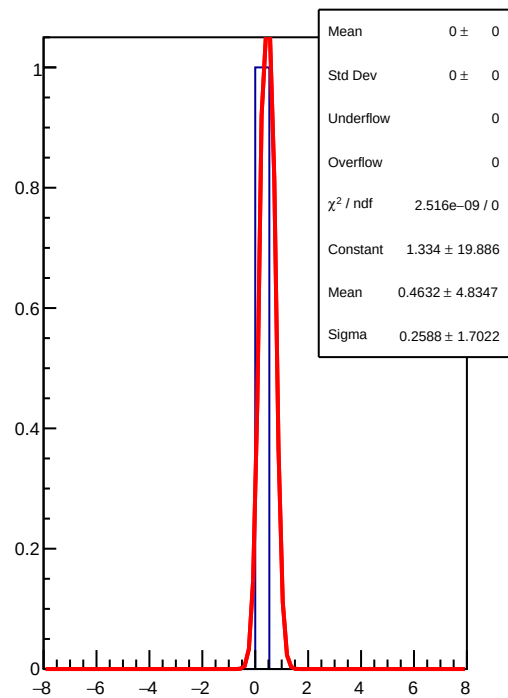
corr_us_dd_bpm11Y RMS (ppm)



corr_us_dd_bpm8X (ppb)



1D pull distribution



corr_us_dd_bpm8X RMS (ppm)

RMS (ppm)

5.6

5.4

5.2

5

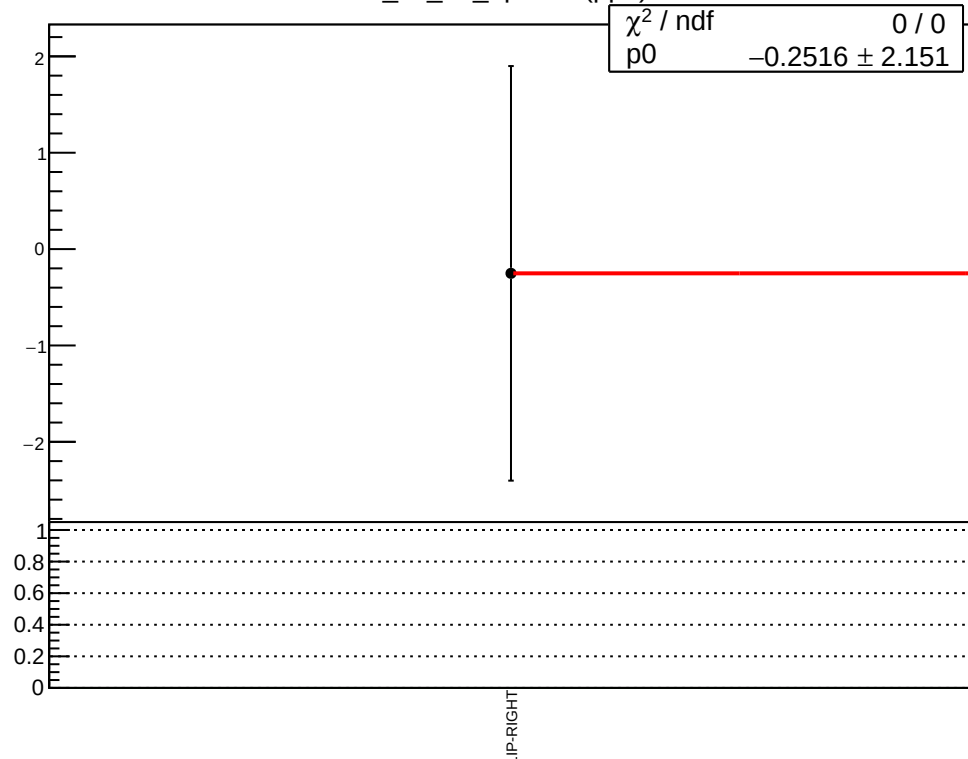
4.8

4.6

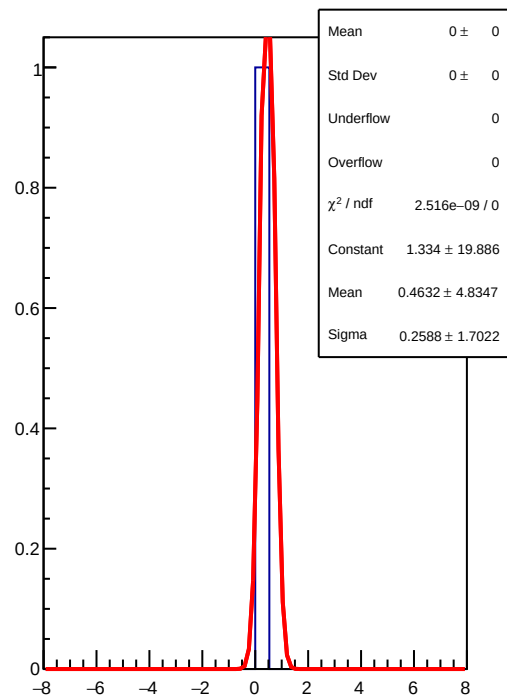
FLIP-RIGHT



corr_us_dd_bpm8Y (ppb)



1D pull distribution



corr_us_dd_bpm8Y RMS (ppm)

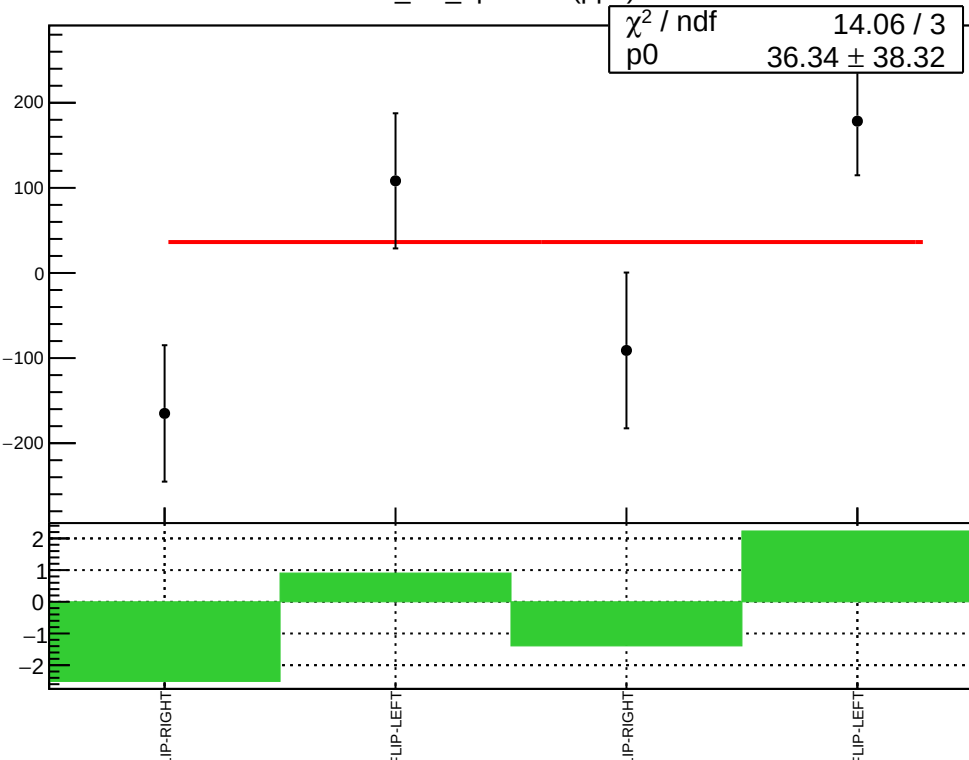
RMS (ppm)

3.8
3.6
3.4
3.2
3
2.8

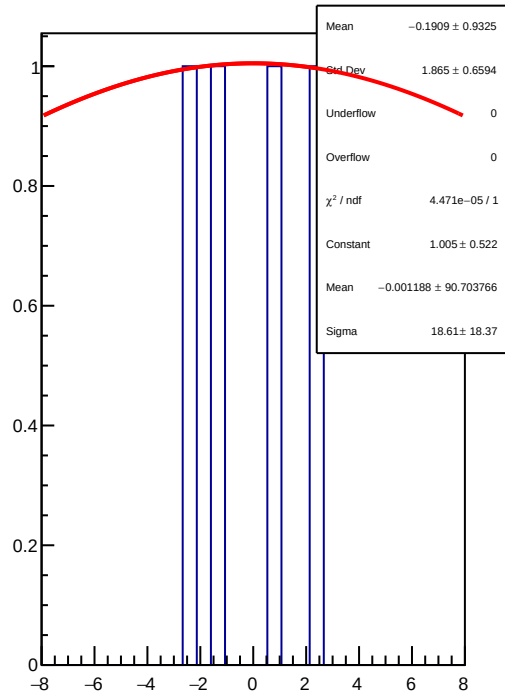
FLIP-RIGHT



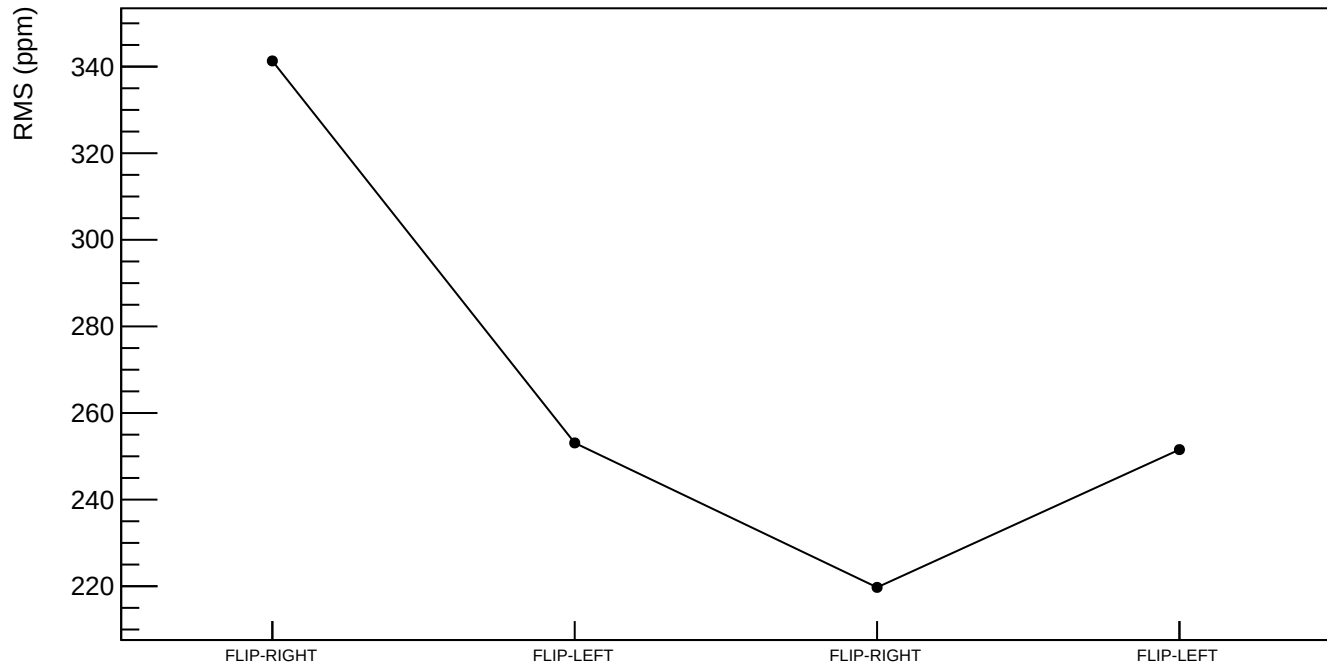
corr_usl_bpm4eX (ppb)



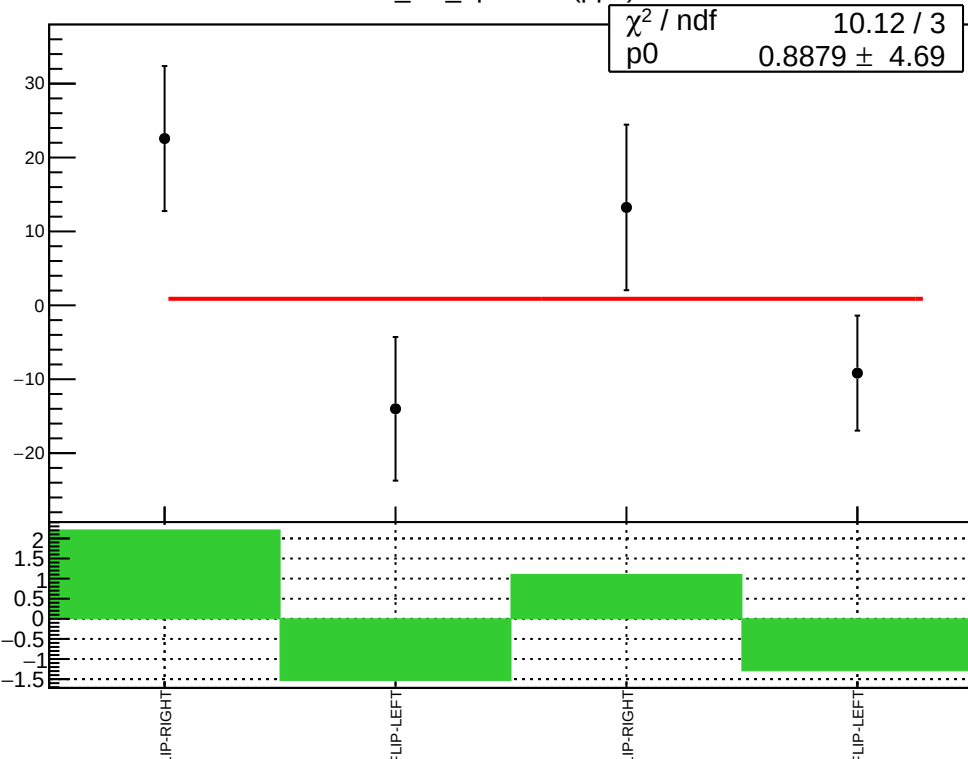
1D pull distribution



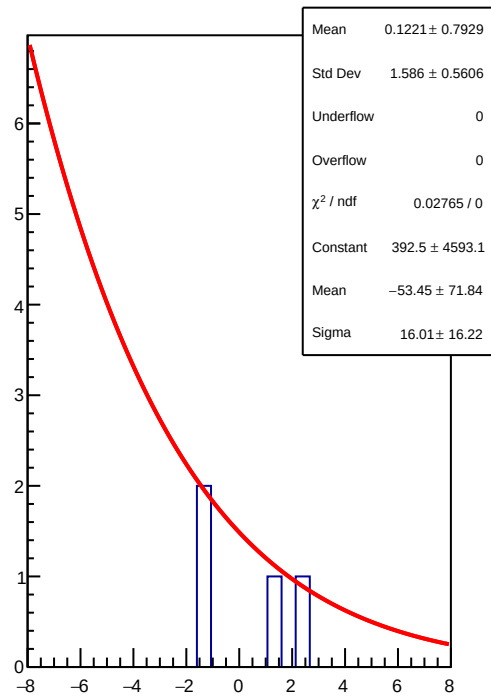
corr_usl_bpm4eX RMS (ppm)



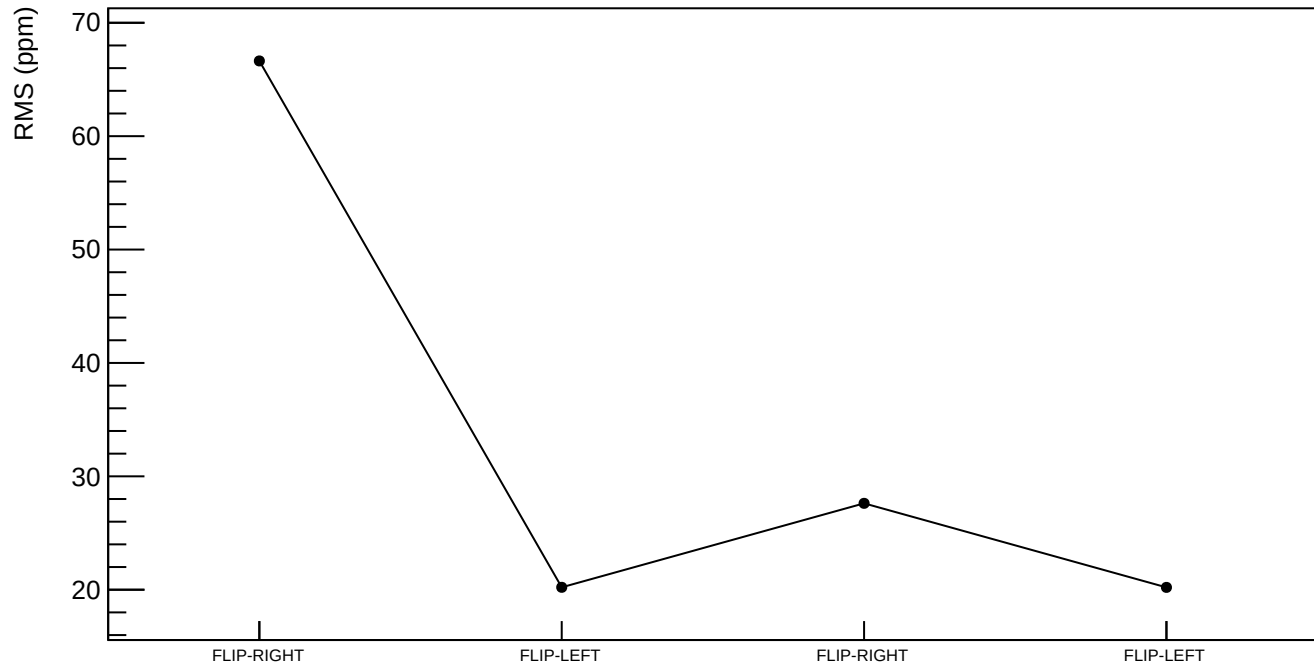
corr_usl_bpm4eY (ppb)



1D pull distribution



corr_usl_bpm4eY RMS (ppm)

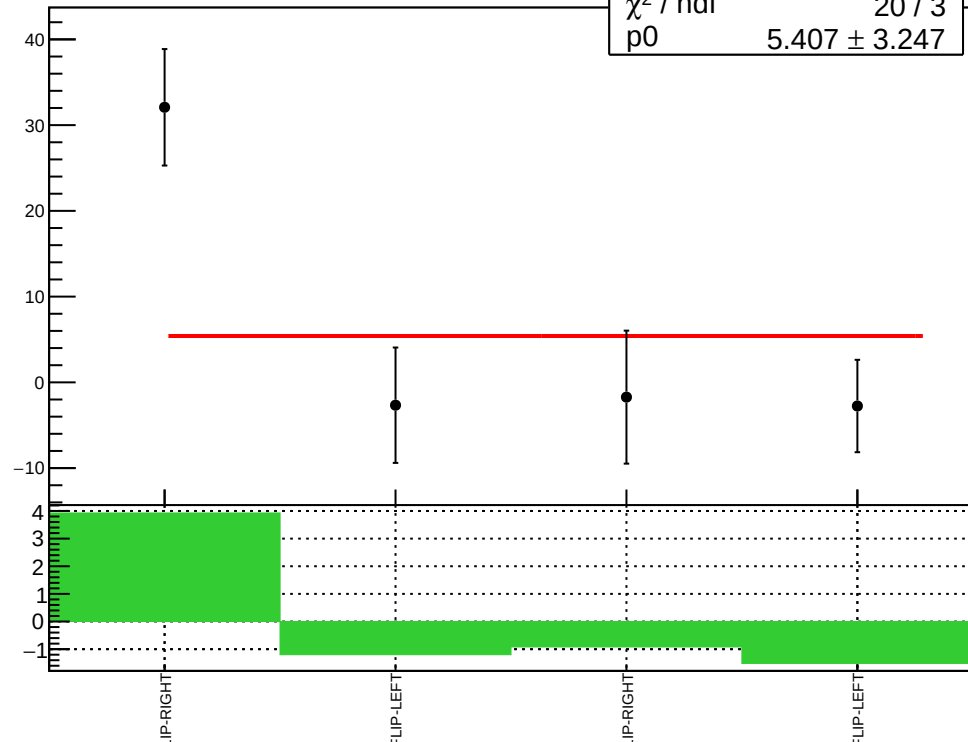


corr_usl_bpm4aX (ppb)

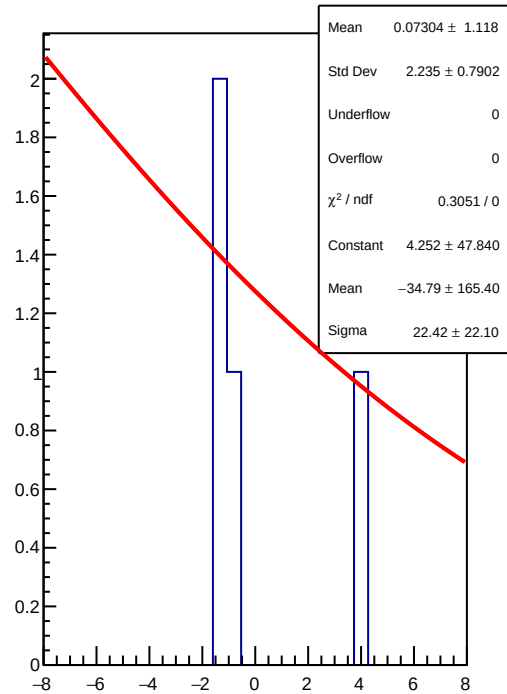
 χ^2 / nfd

20 / 3

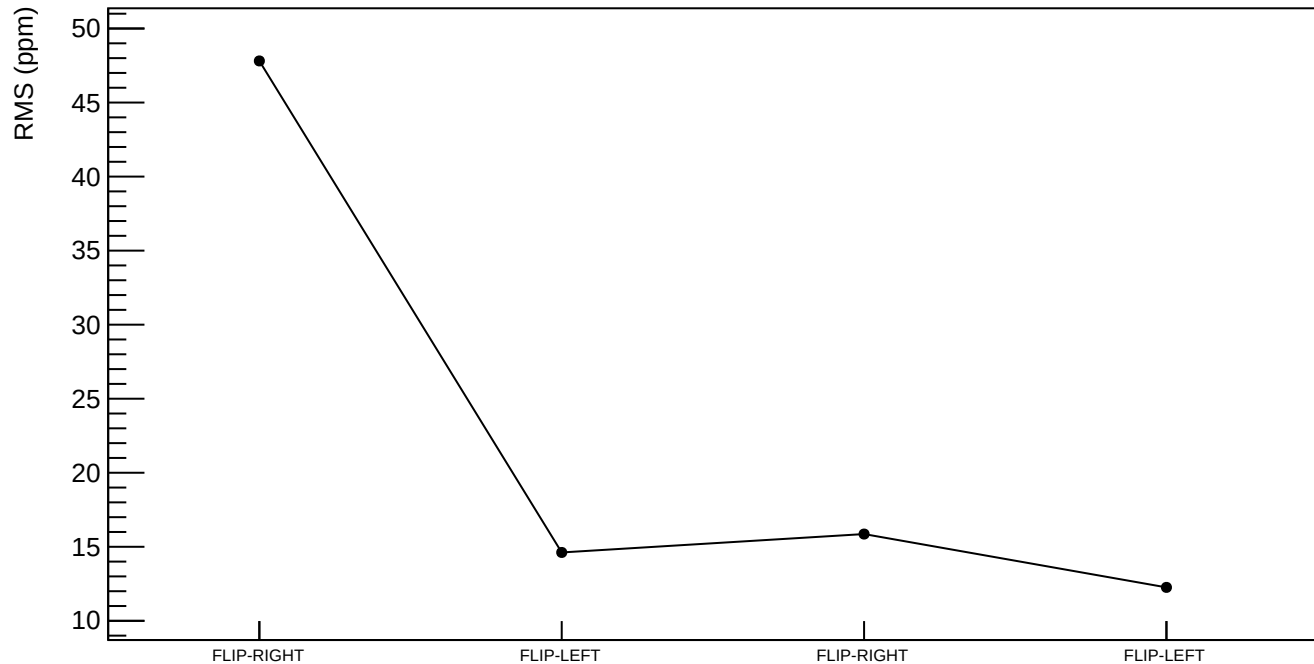
p0

 5.407 ± 3.247 

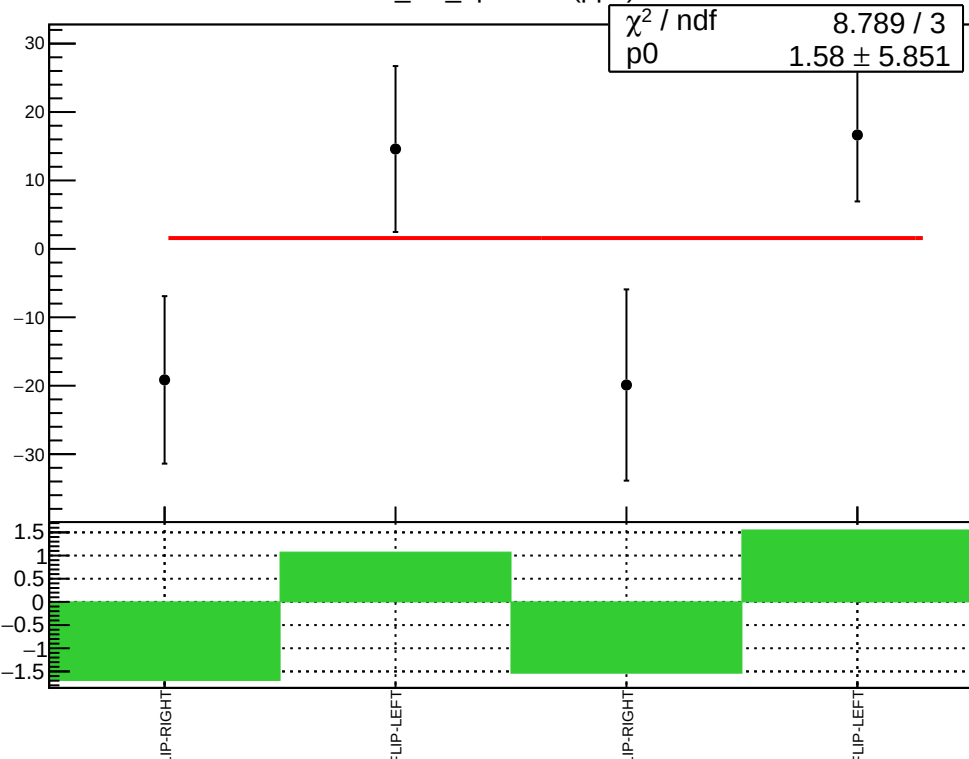
1D pull distribution



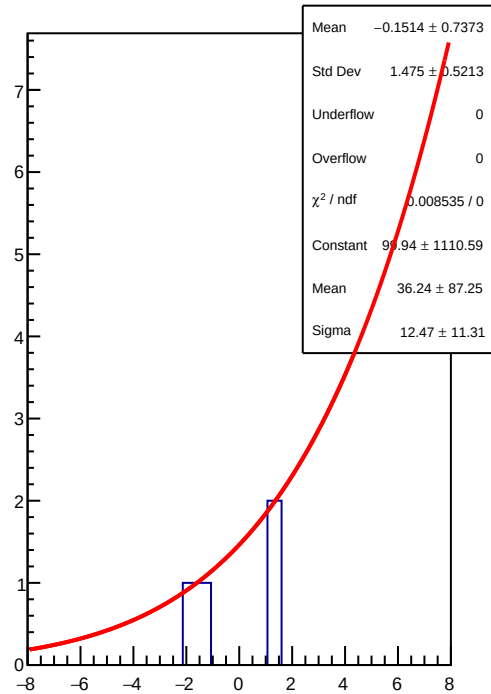
corr_usl_bpm4aX RMS (ppm)



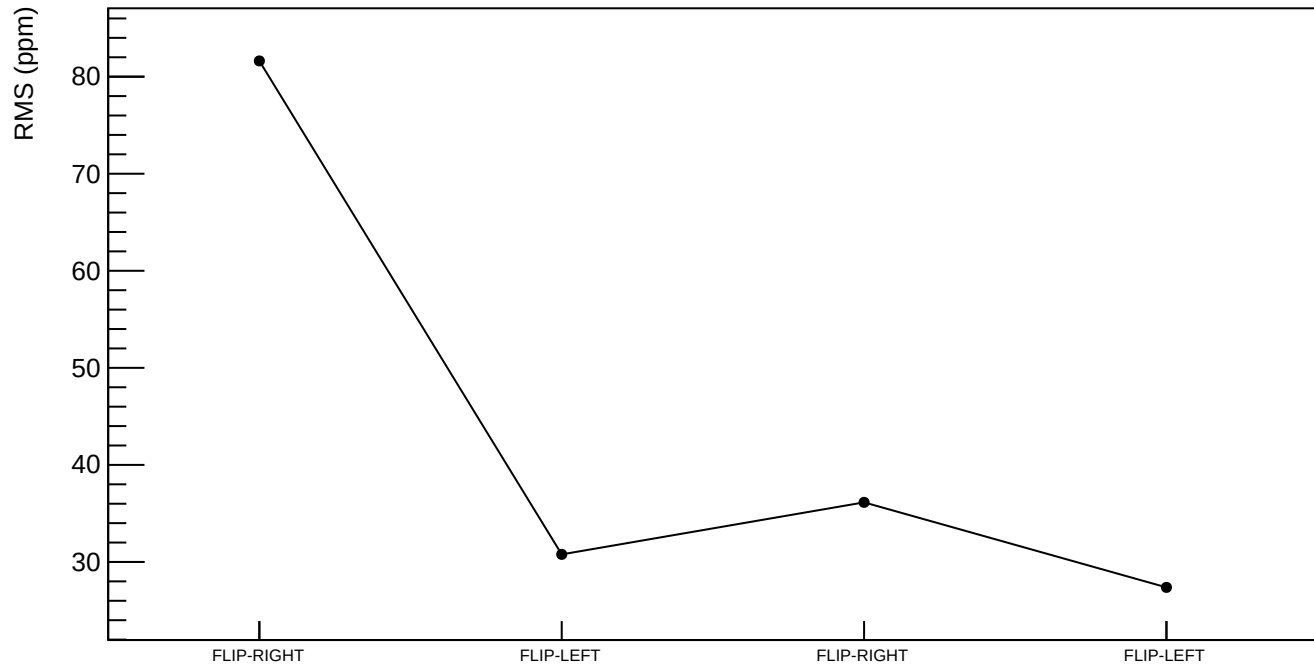
corr_usl_bpm4aY (ppb)



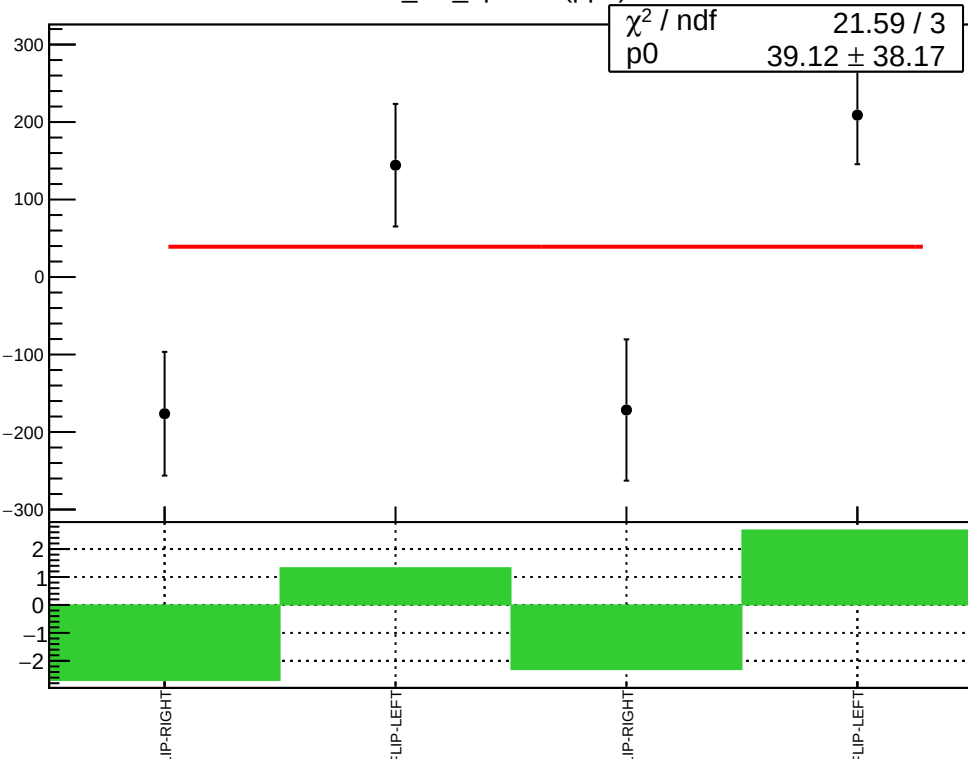
1D pull distribution



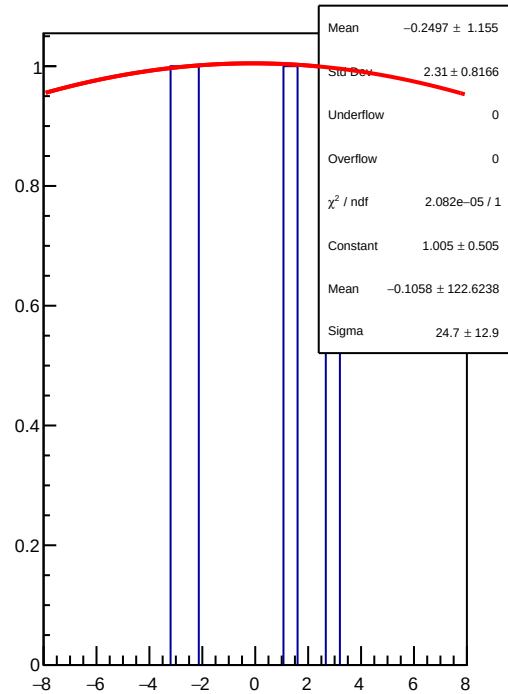
corr_usl_bpm4aY RMS (ppm)



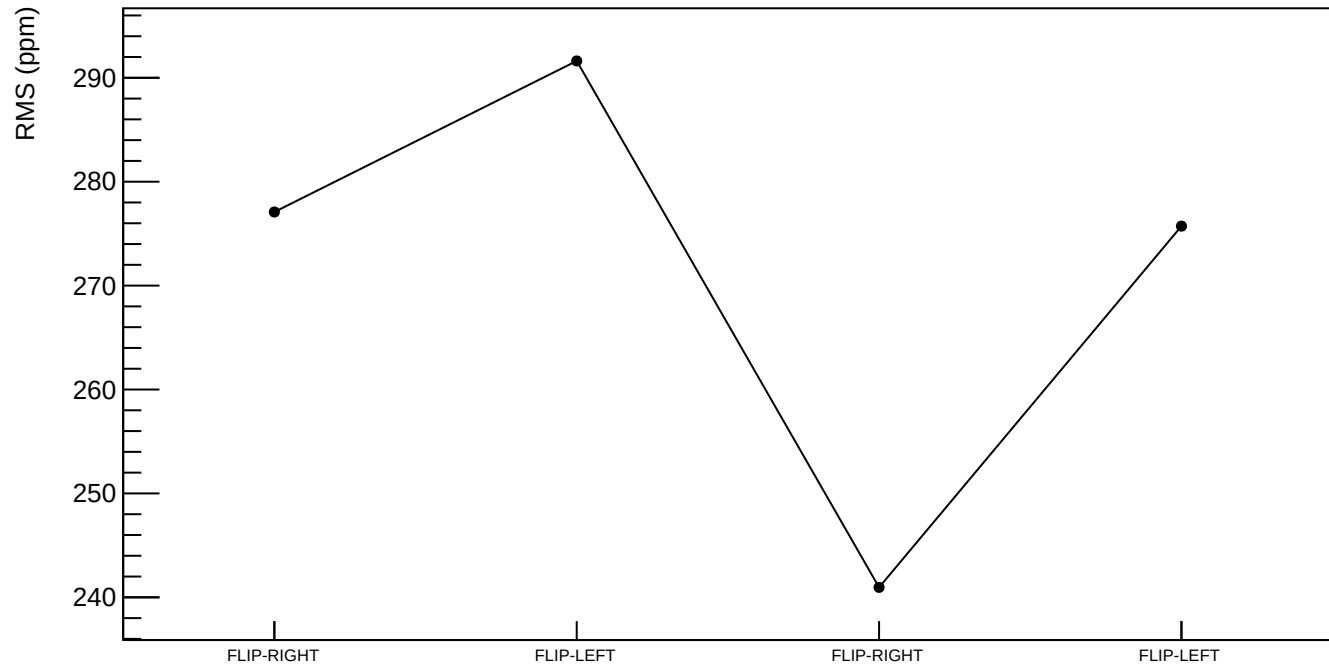
corr_usl_bpm1X (ppb)



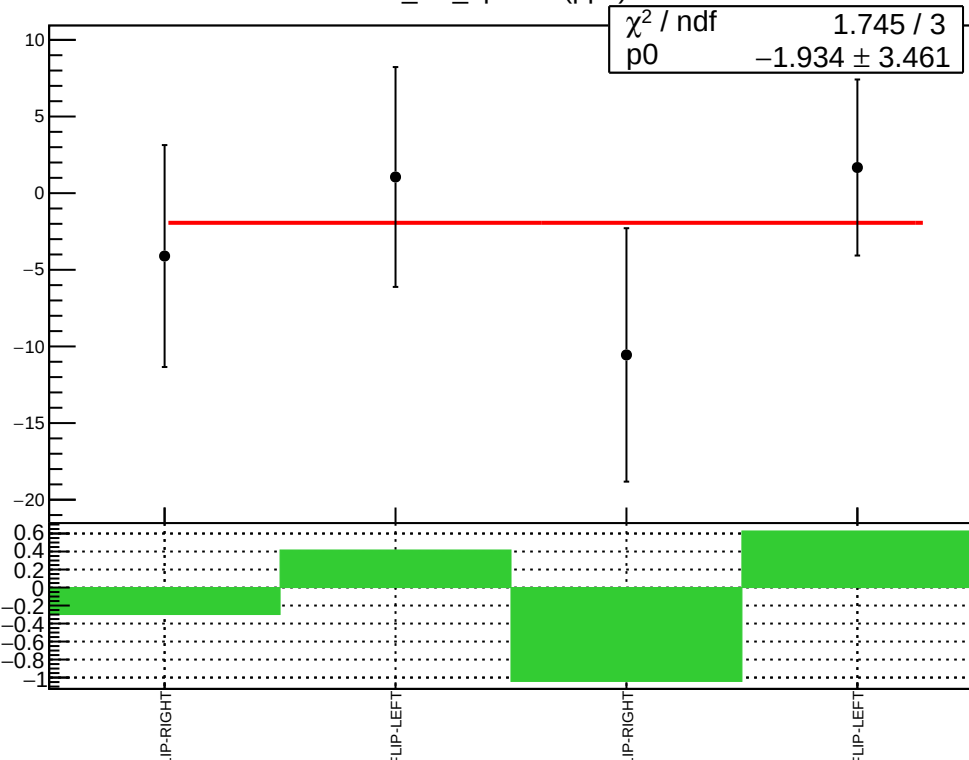
1D pull distribution



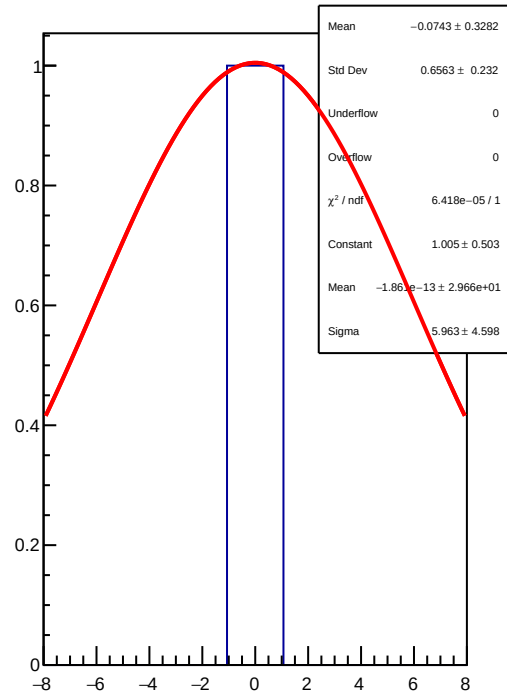
corr_usl_bpm1X RMS (ppm)



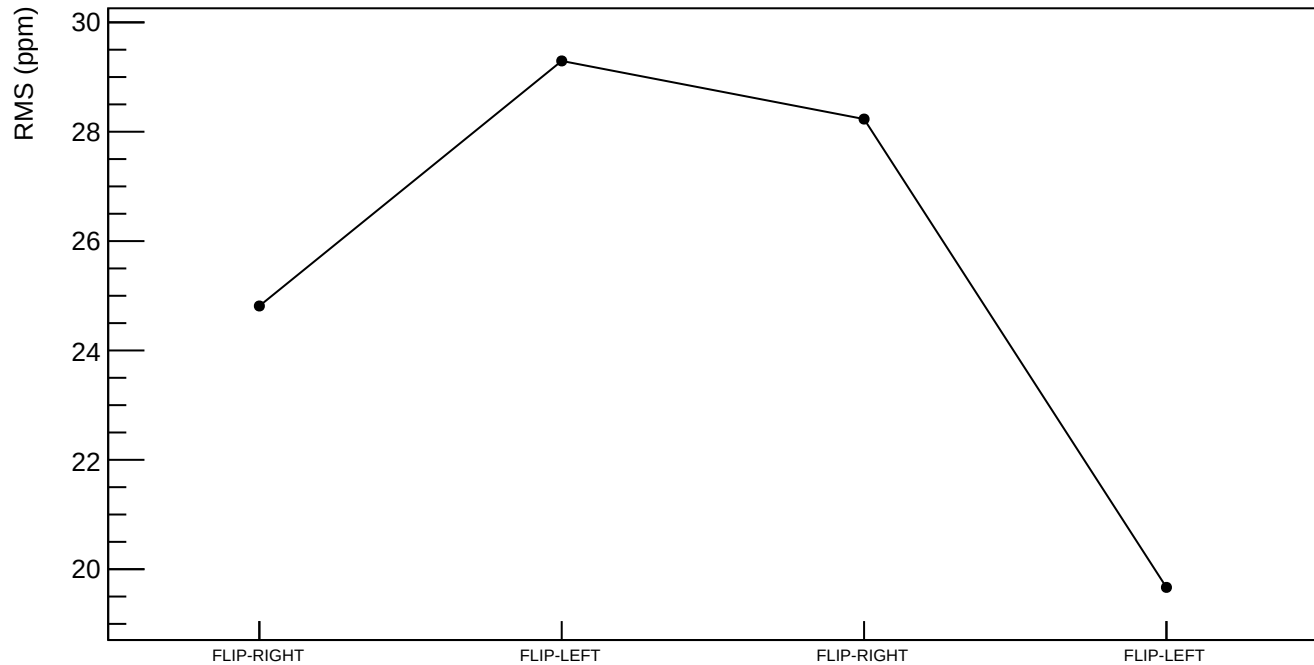
corr_usl_bpm1Y (ppb)



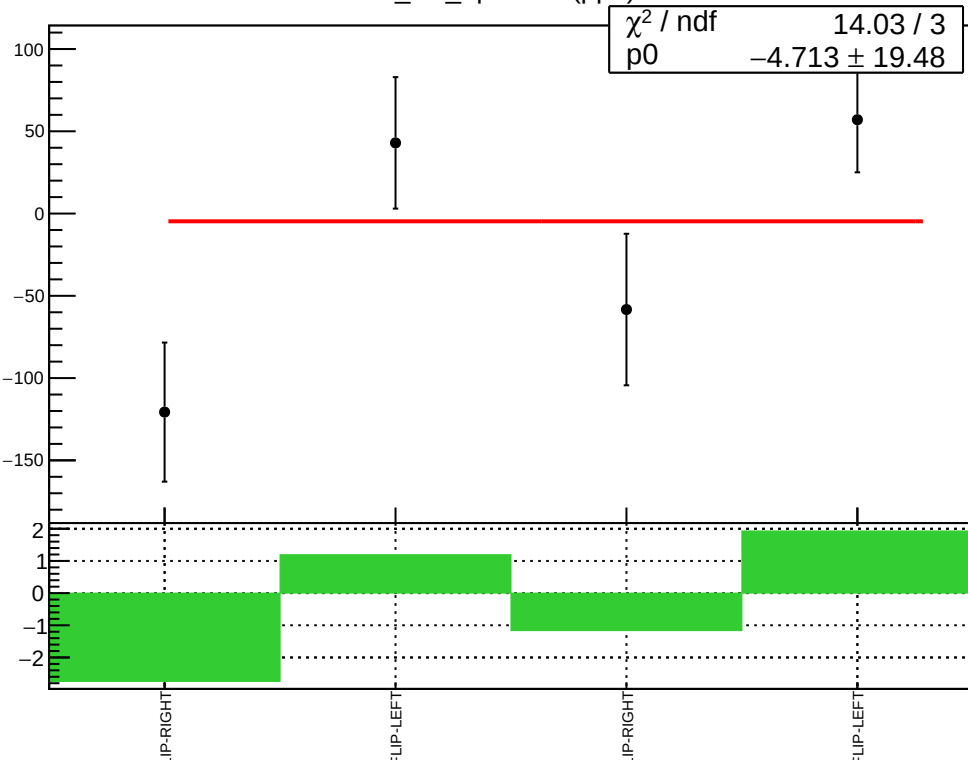
1D pull distribution



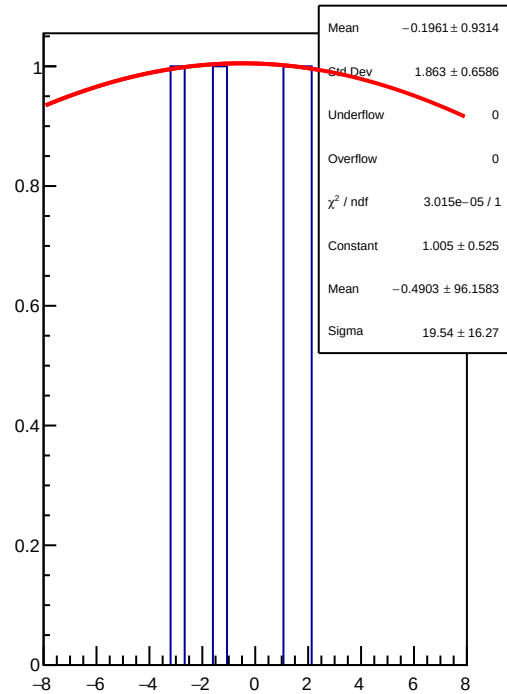
corr_usl_bpm1Y RMS (ppm)



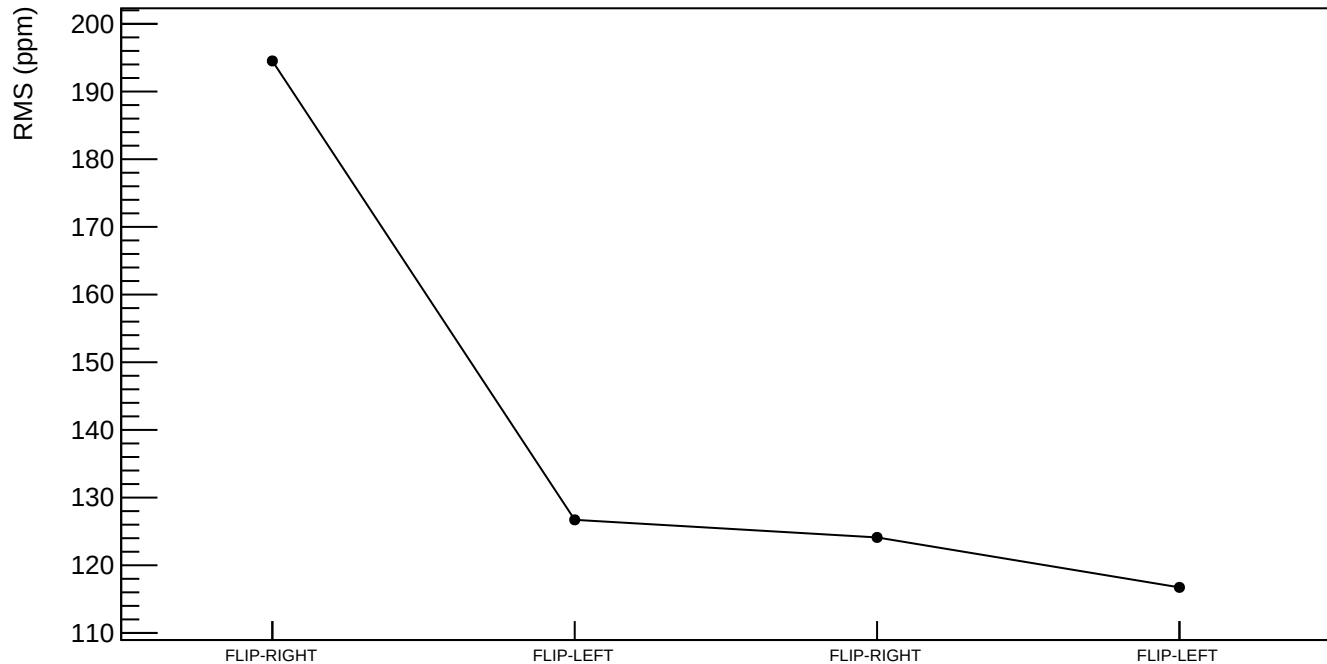
corr_usl_bpm16X (ppb)



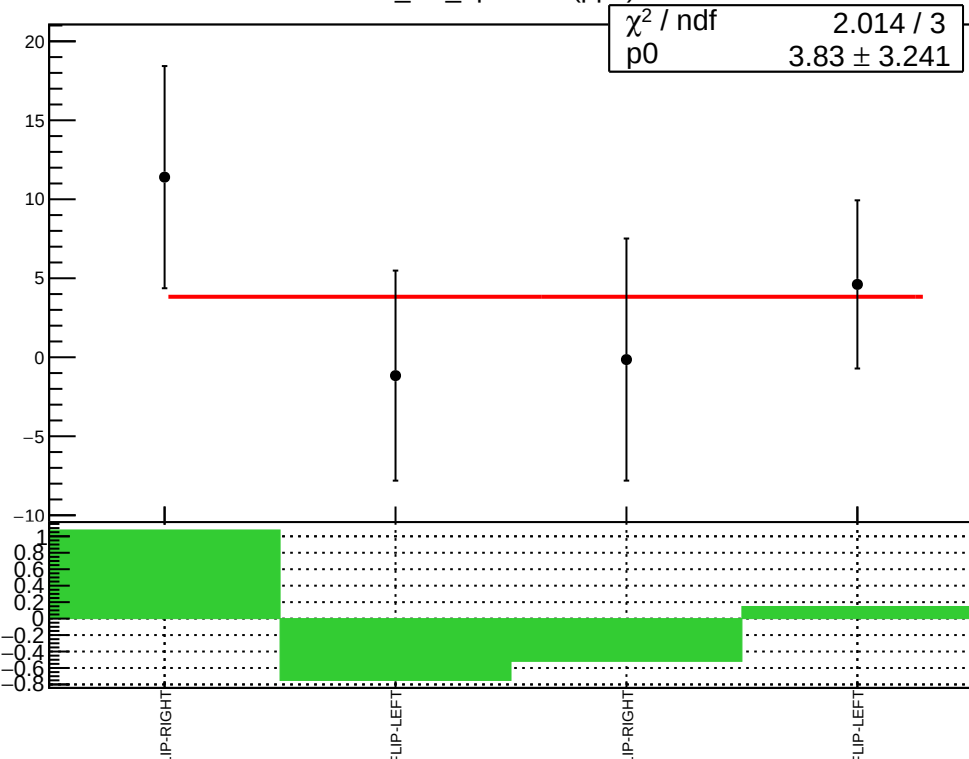
1D pull distribution



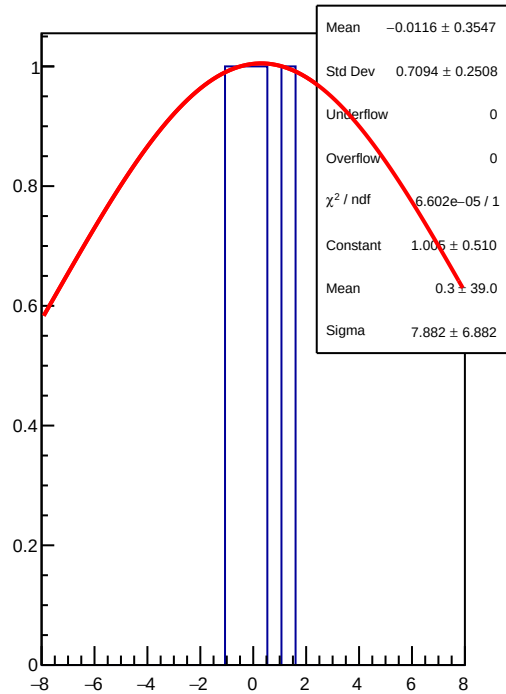
corr_usl_bpm16X RMS (ppm)



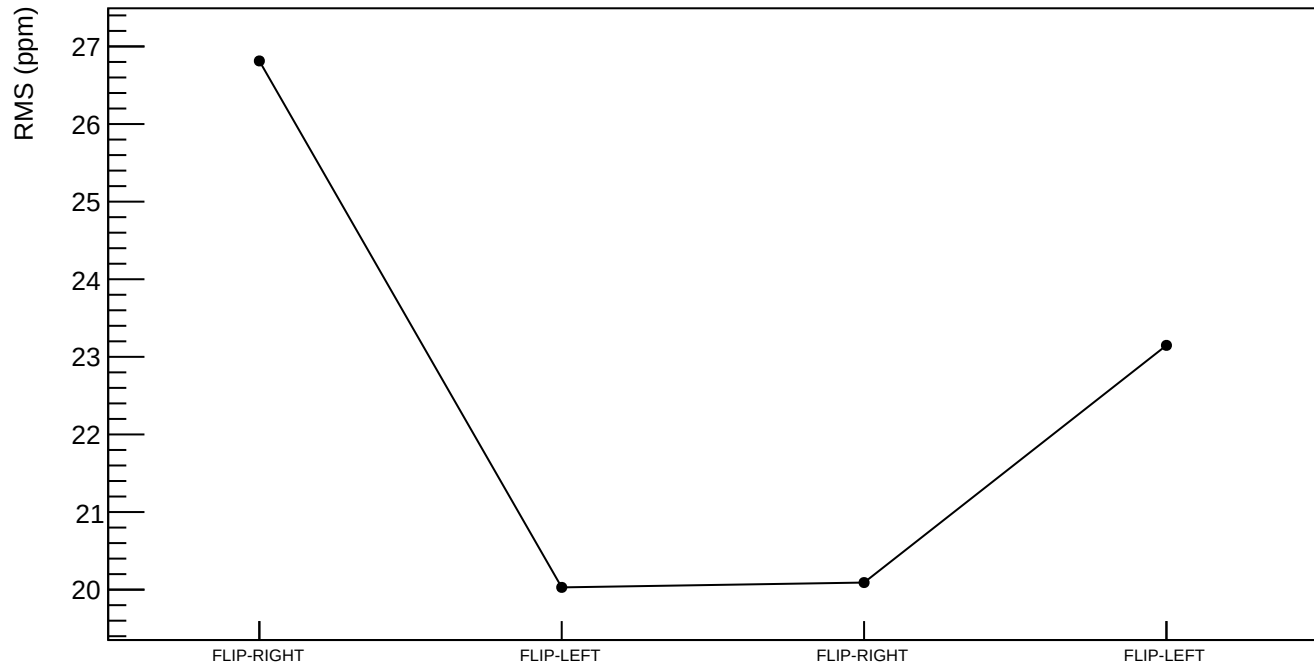
corr_usl_bpm16Y (ppb)



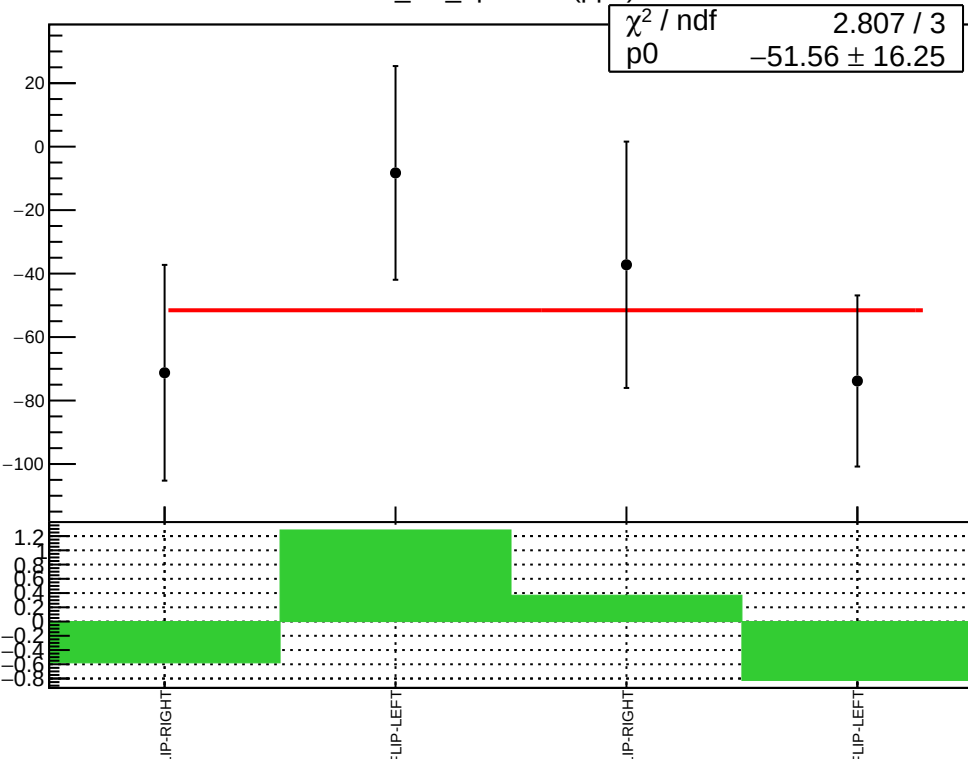
1D pull distribution



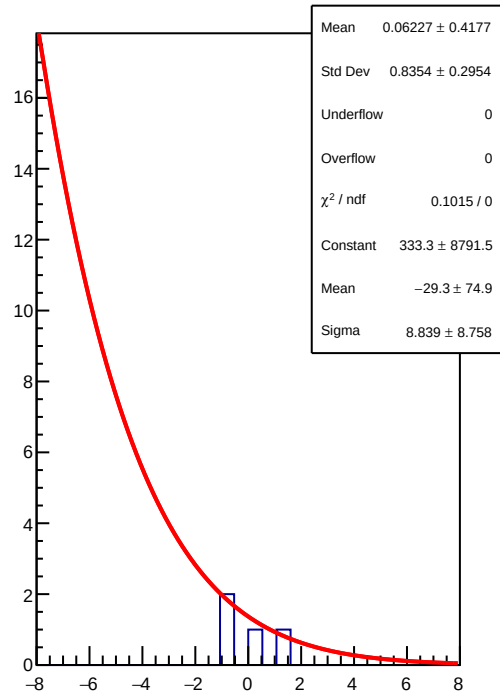
corr_usl_bpm16Y RMS (ppm)



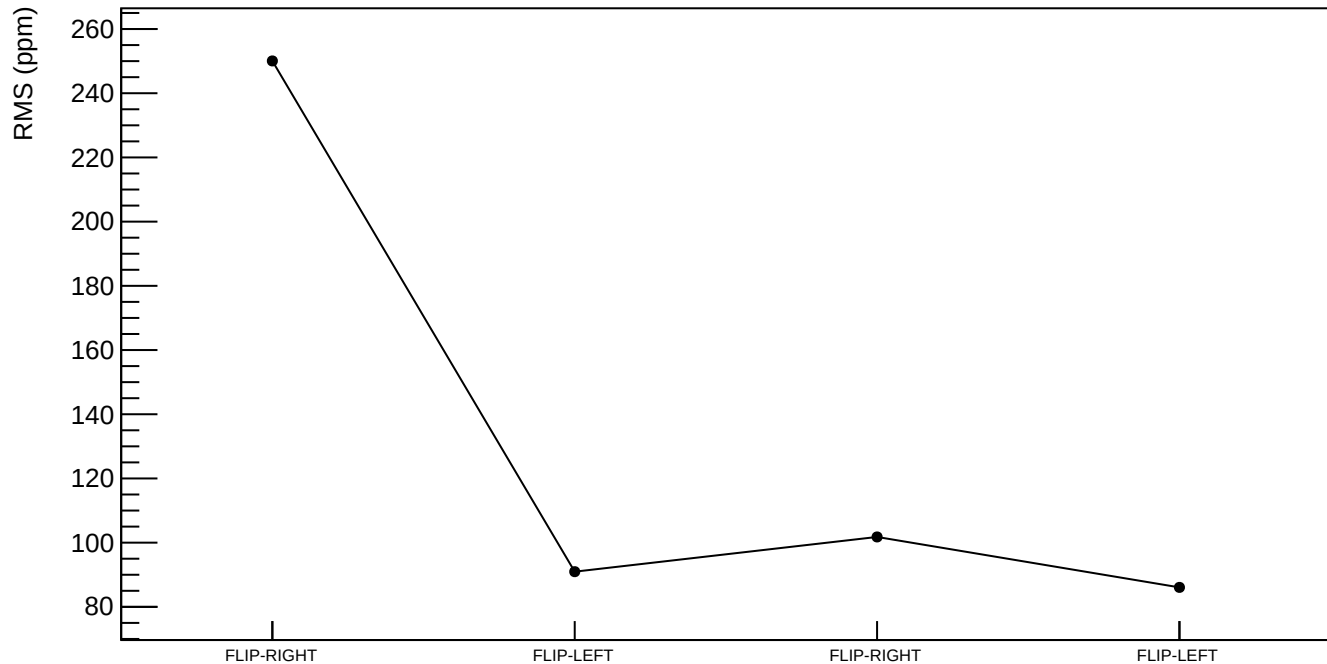
corr_usl_bpm12X (ppb)



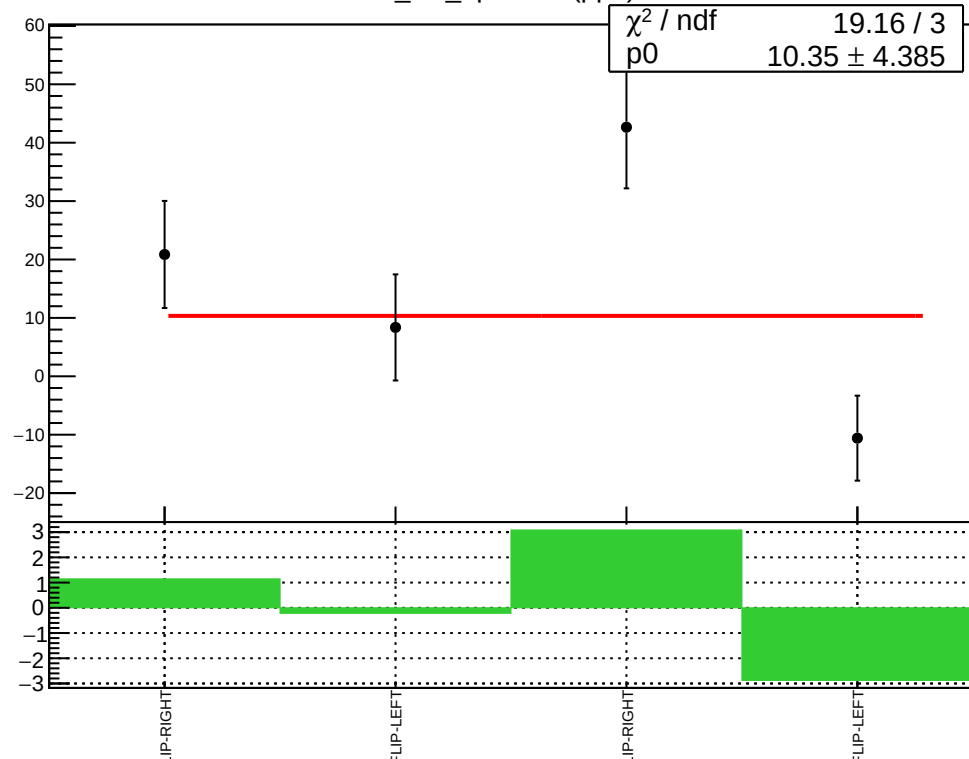
1D pull distribution



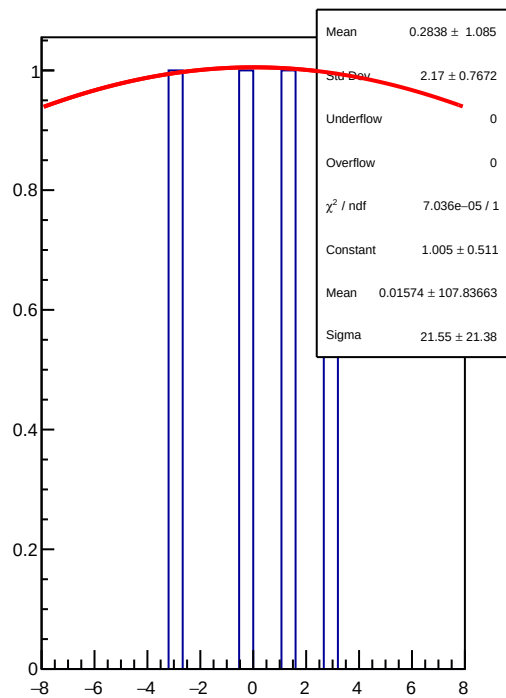
corr_usl_bpm12X RMS (ppm)



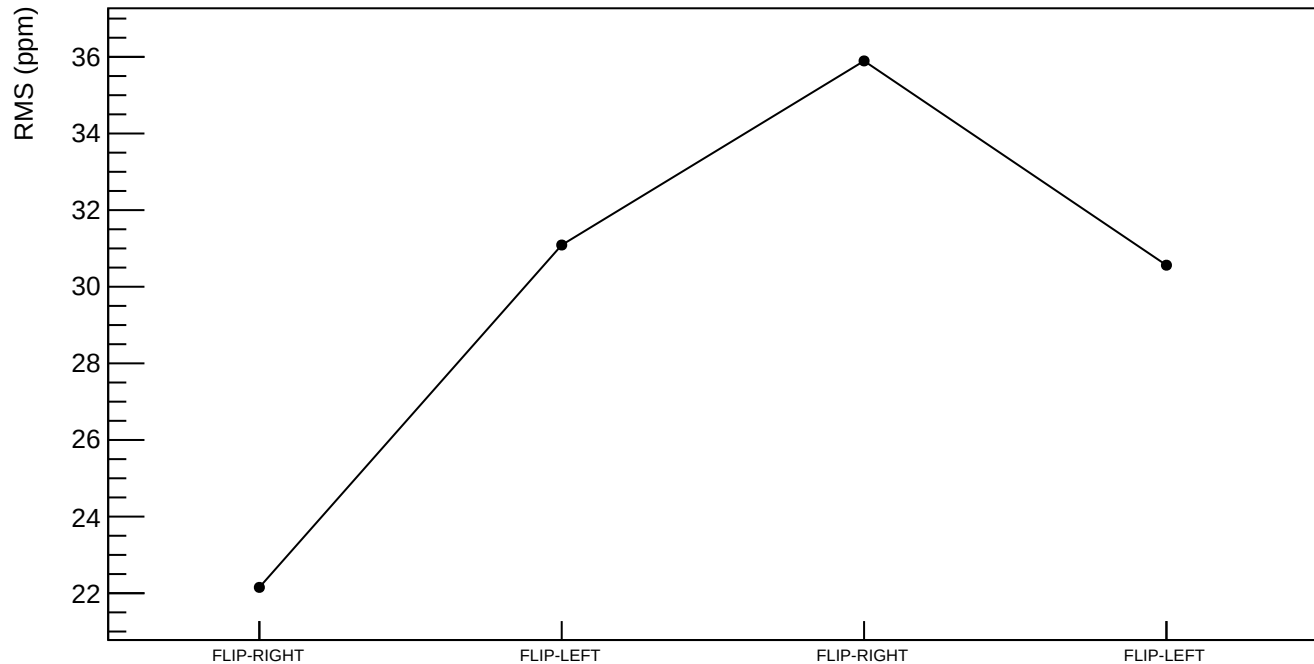
corr_usl_bpm12Y (ppb)



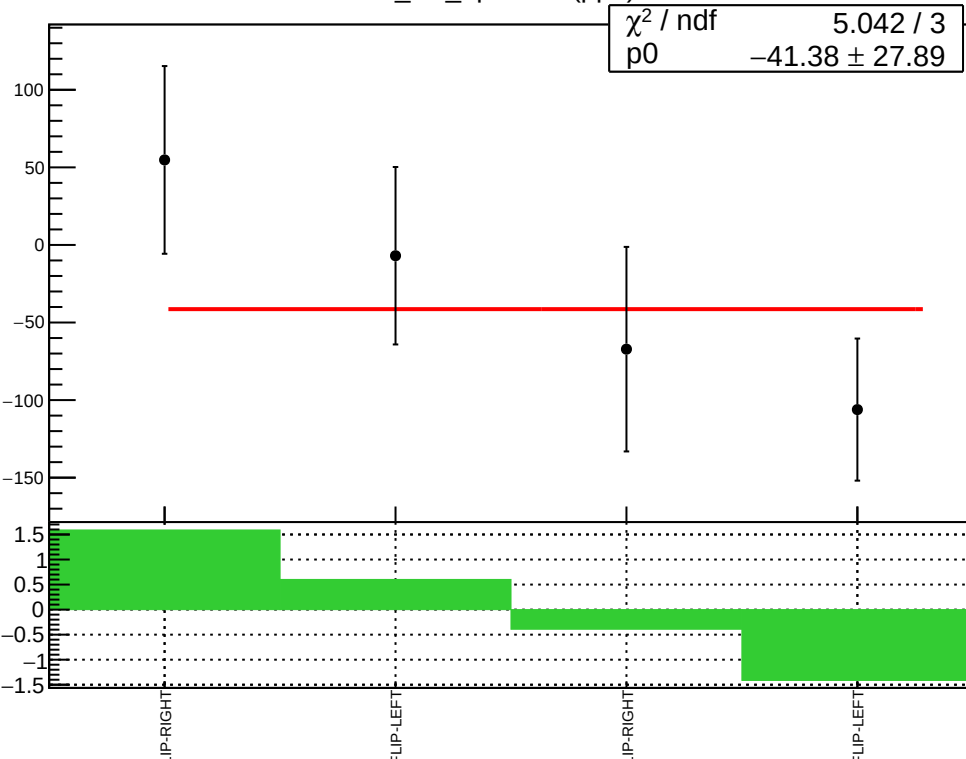
1D pull distribution



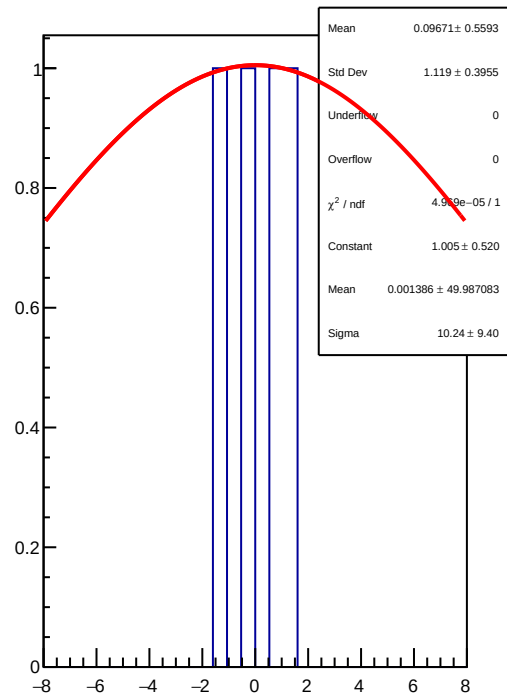
corr_usl_bpm12Y RMS (ppm)



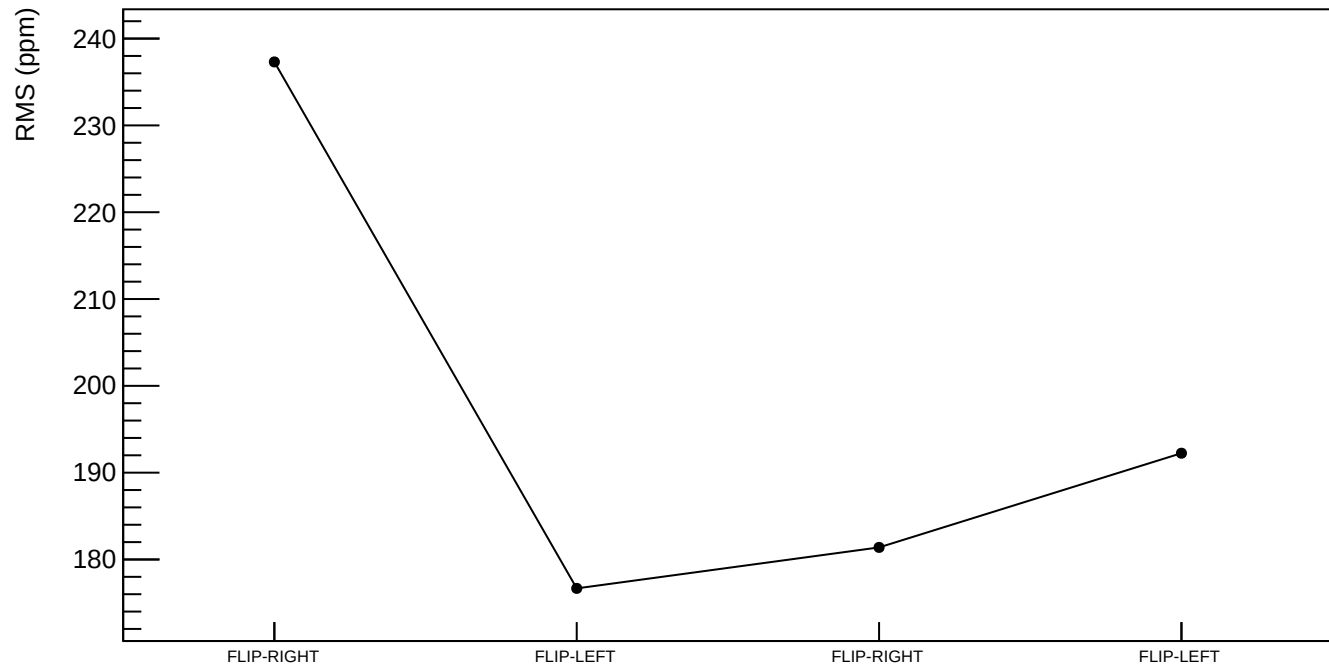
corr_usl_bpm11X (ppb)



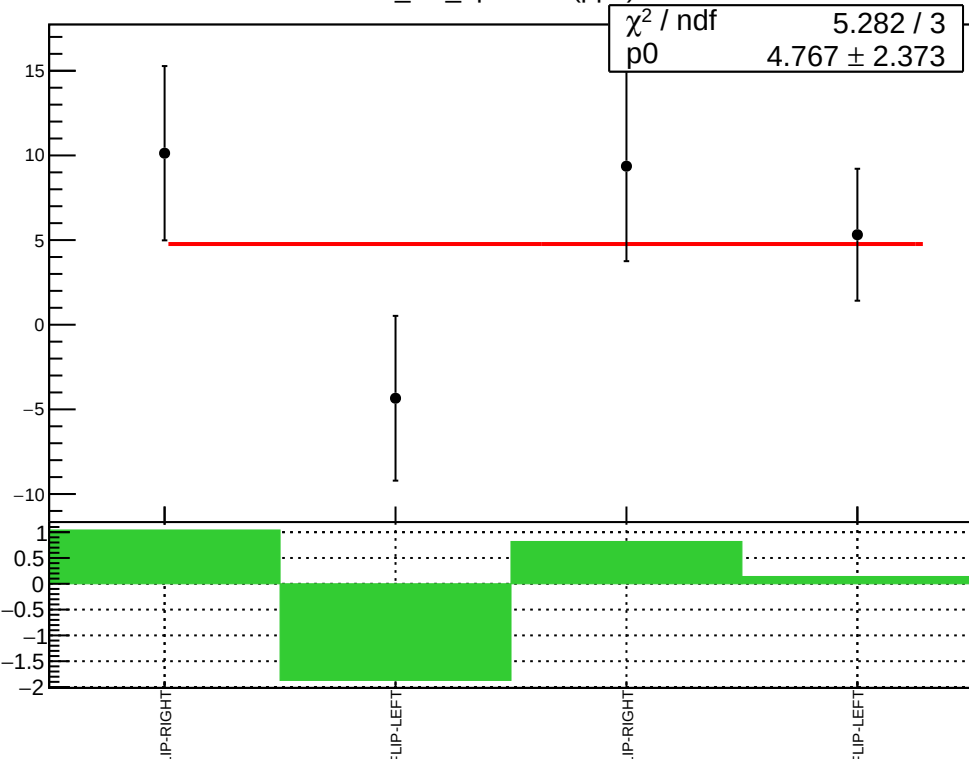
1D pull distribution



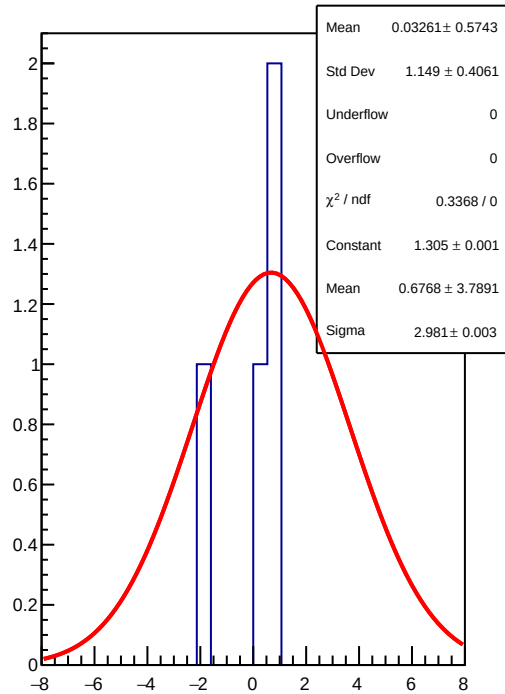
corr_usl_bpm11X RMS (ppm)



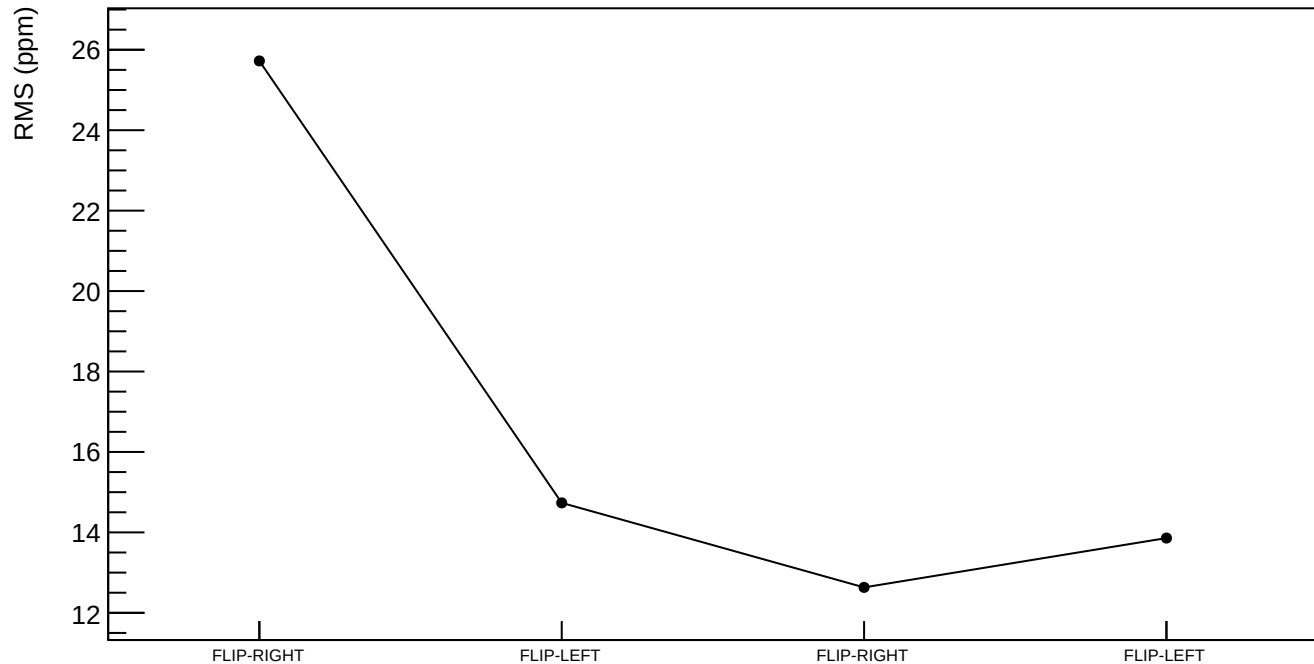
corr_usl_bpm11Y (ppb)



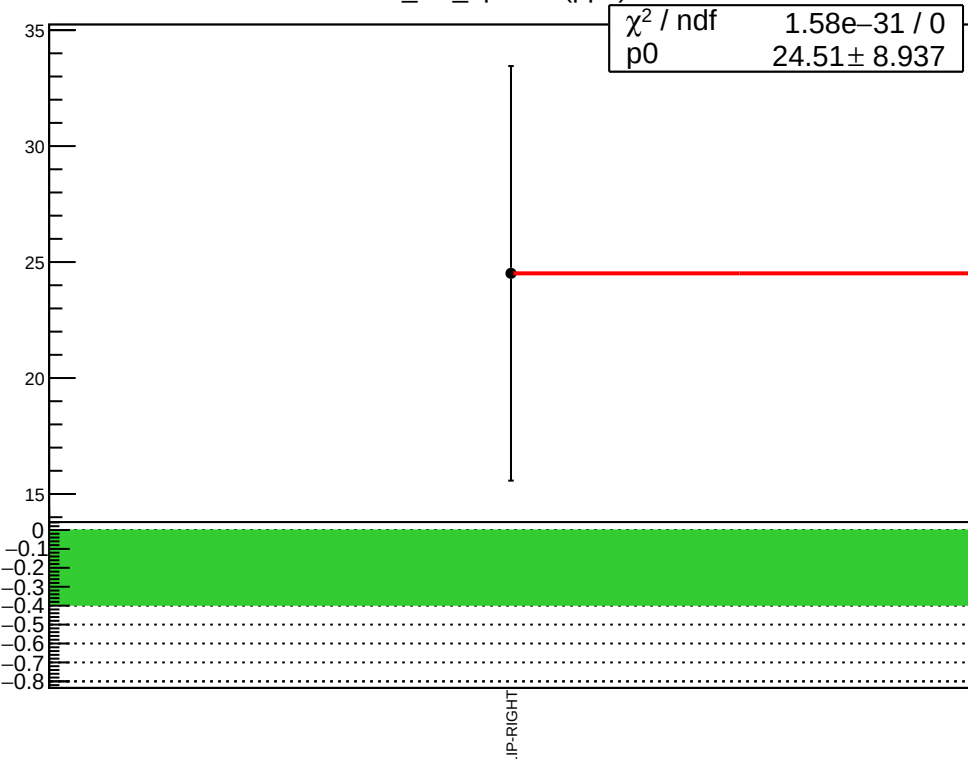
1D pull distribution



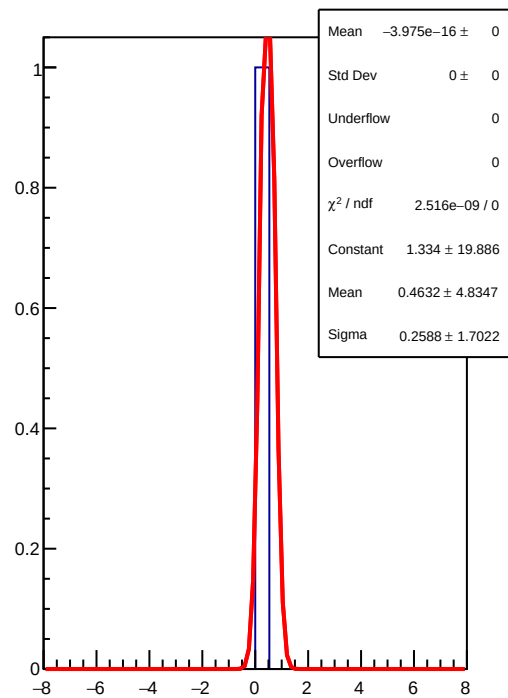
corr_usl_bpm11Y RMS (ppm)



corr_usl_bpm8X (ppb)



1D pull distribution



corr_usl_bpm8X RMS (ppm)

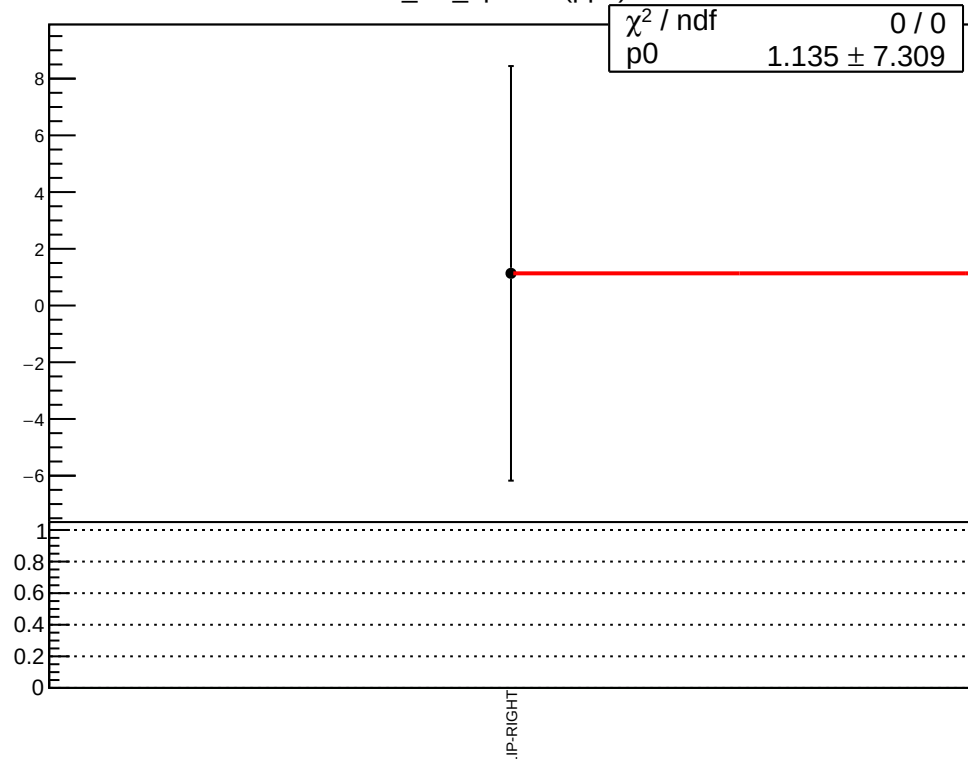
RMS (ppm)

12.8
12.6
12.4
12.2
12
11.8

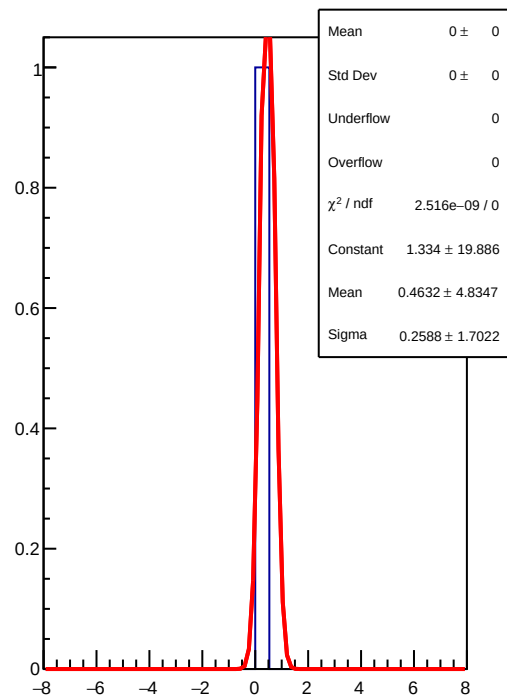
FLIP-RIGHT



corr_usl_bpm8Y (ppb)



1D pull distribution



corr_usl_bpm8Y RMS (ppm)

RMS (ppm)

14.2

14

13.8

13.6

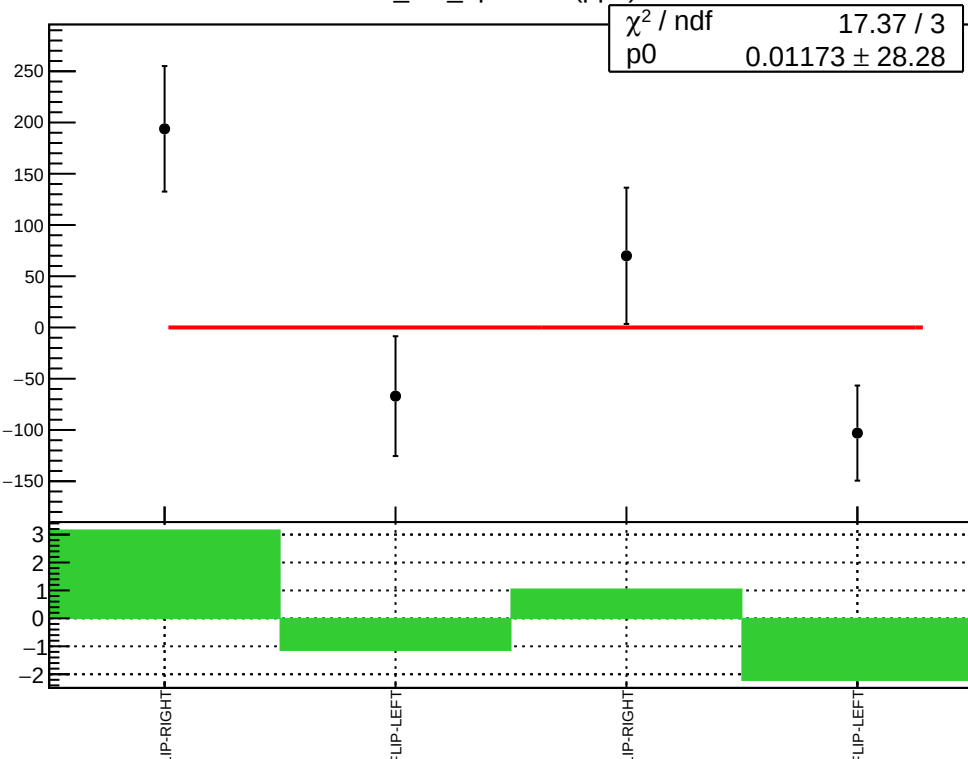
13.4

13.2

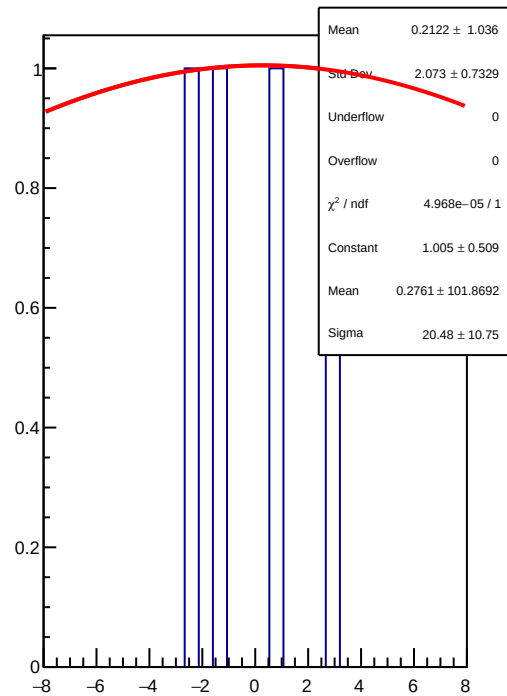
FLIP-RIGHT



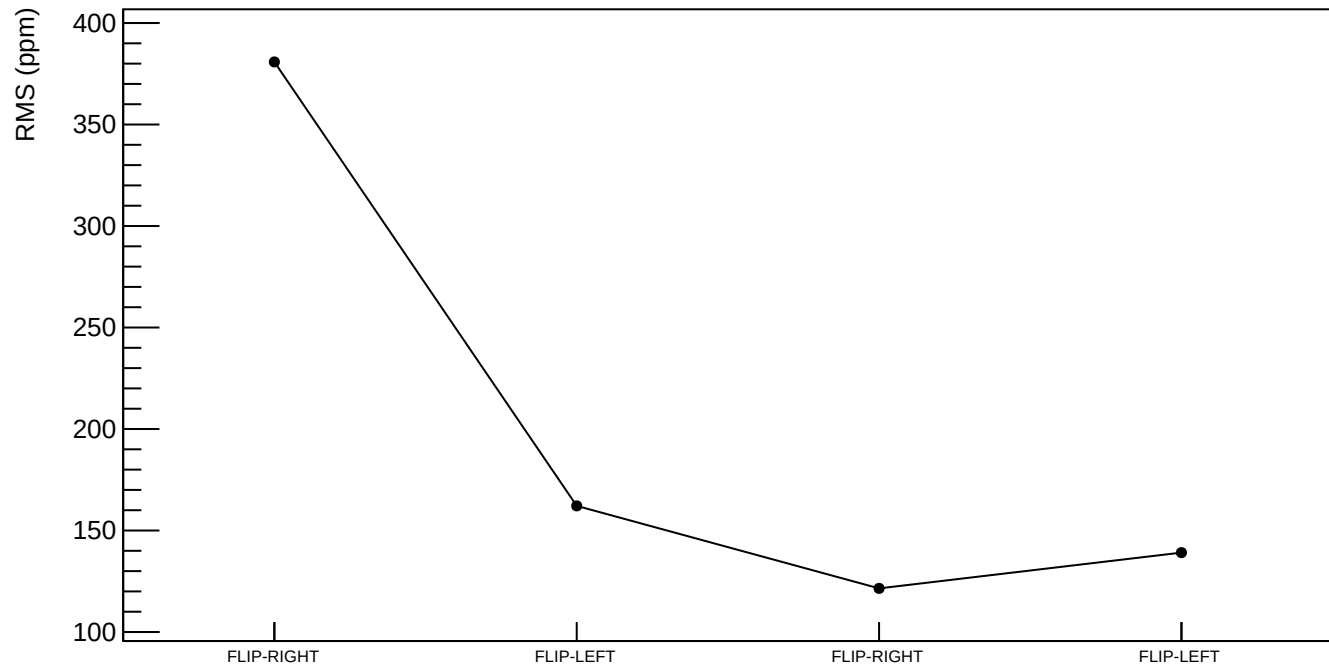
corr_usr_bpm4eX (ppb)



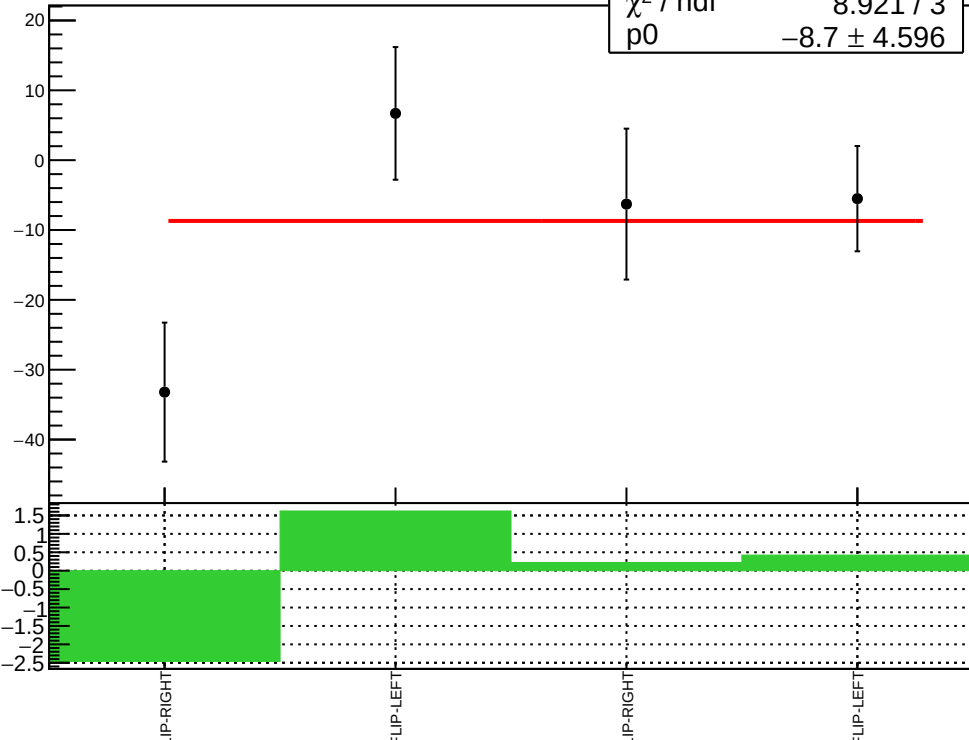
1D pull distribution



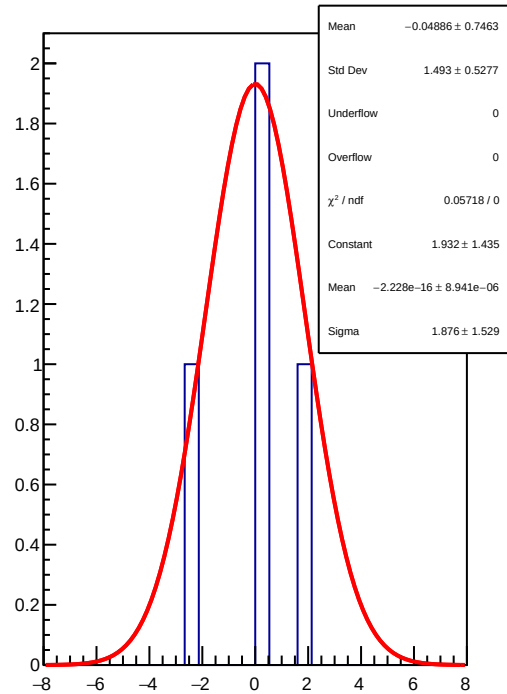
corr_usr_bpm4eX RMS (ppm)



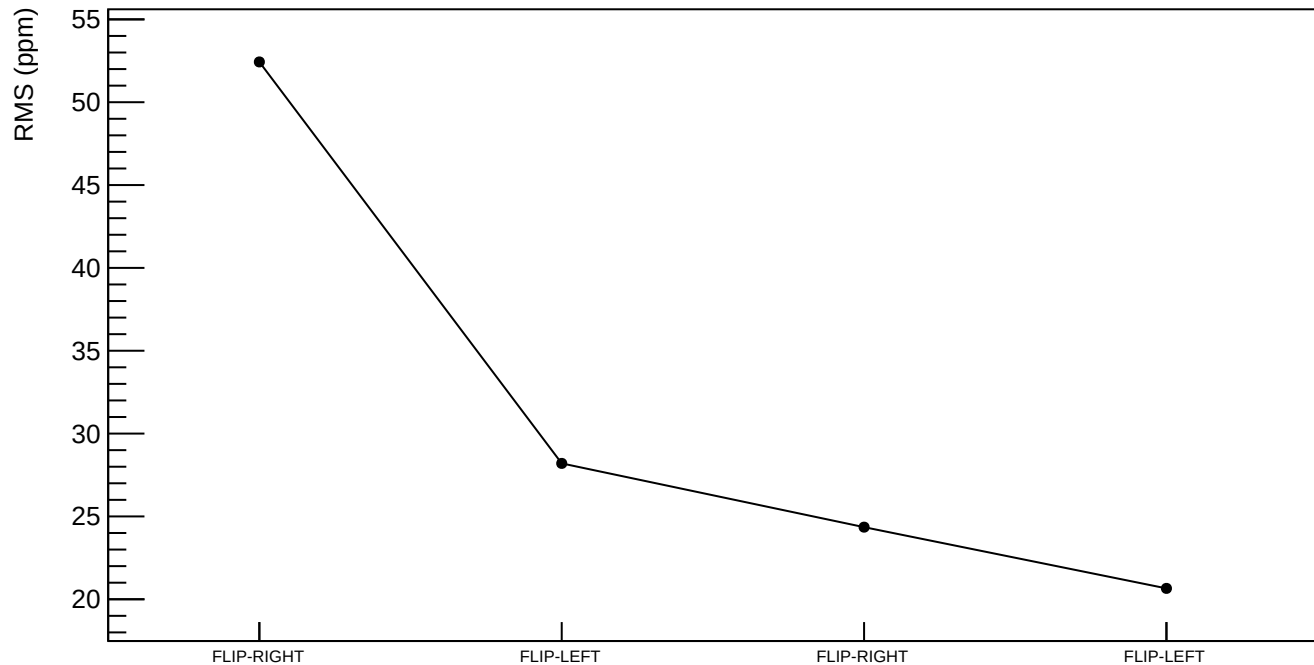
corr_usr_bpm4eY (ppb)

 χ^2 / ndf 8.921 / 3
p0 -8.7 ± 4.596 

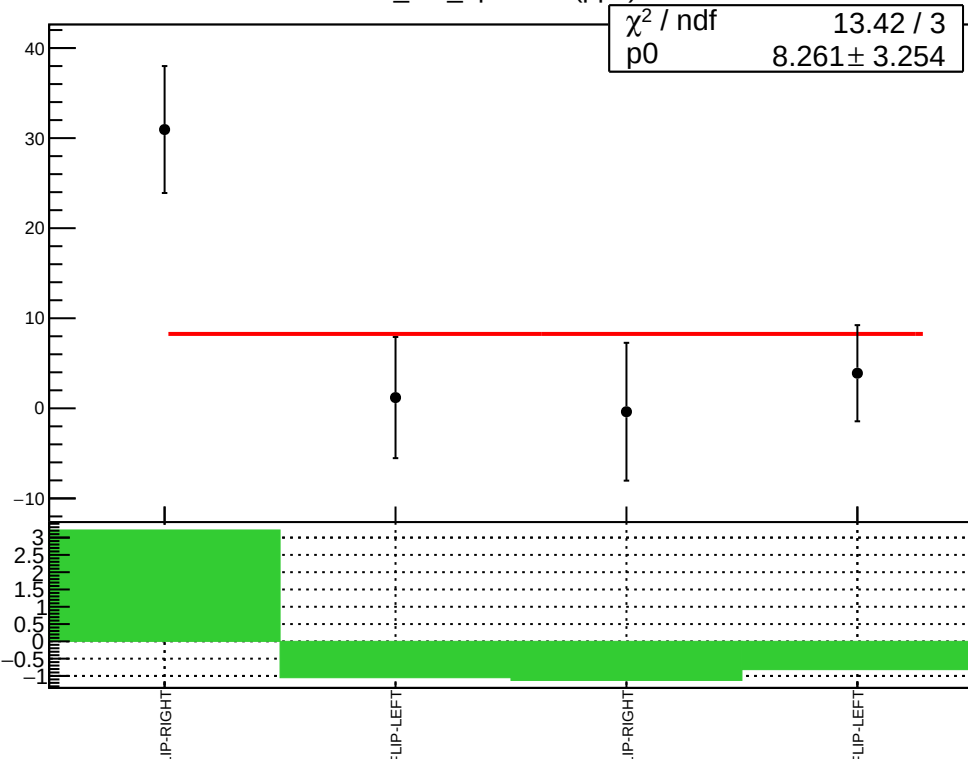
1D pull distribution



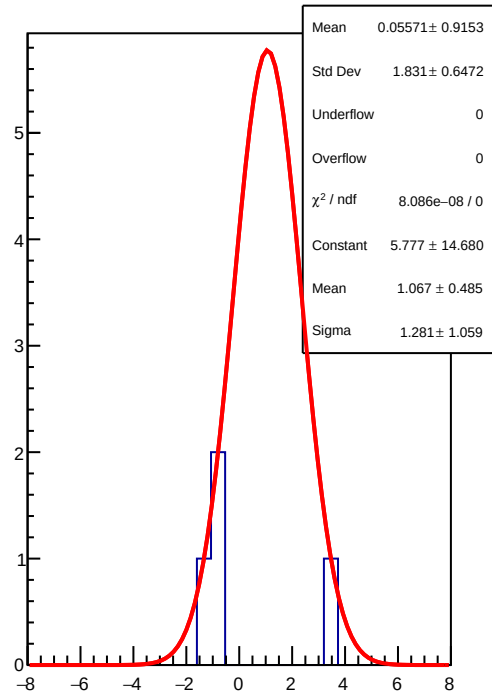
corr_usr_bpm4eY RMS (ppm)



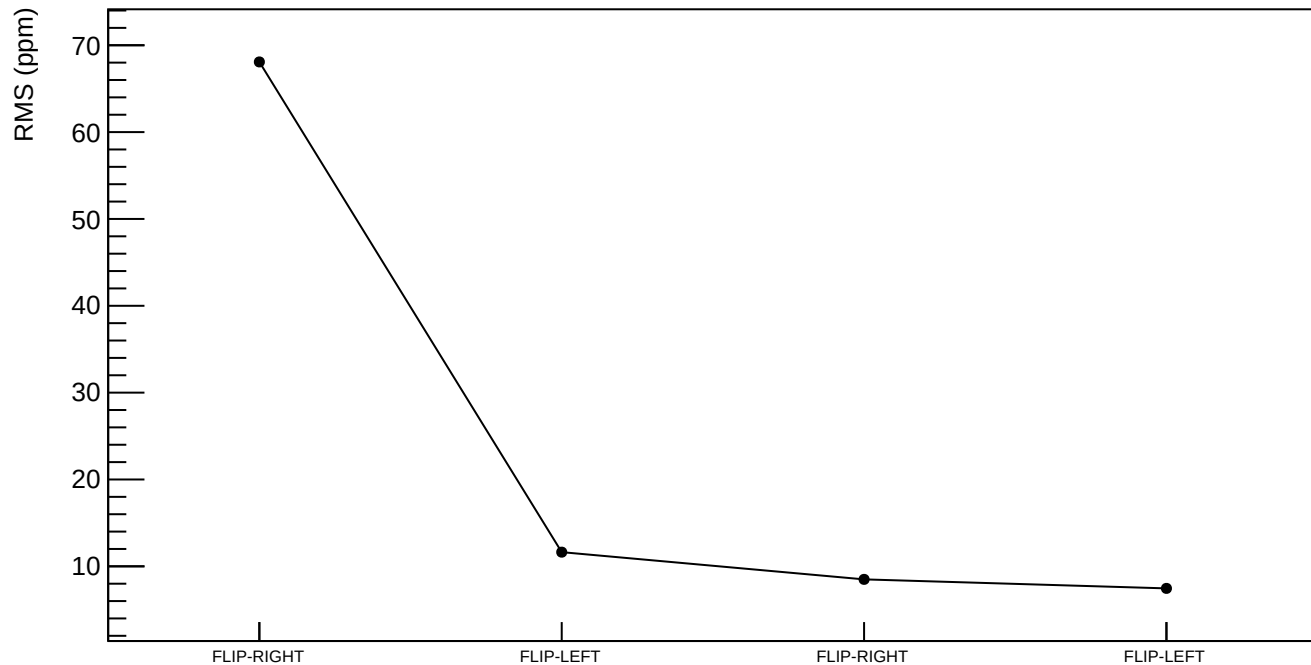
corr_usr_bpm4aX (ppb)



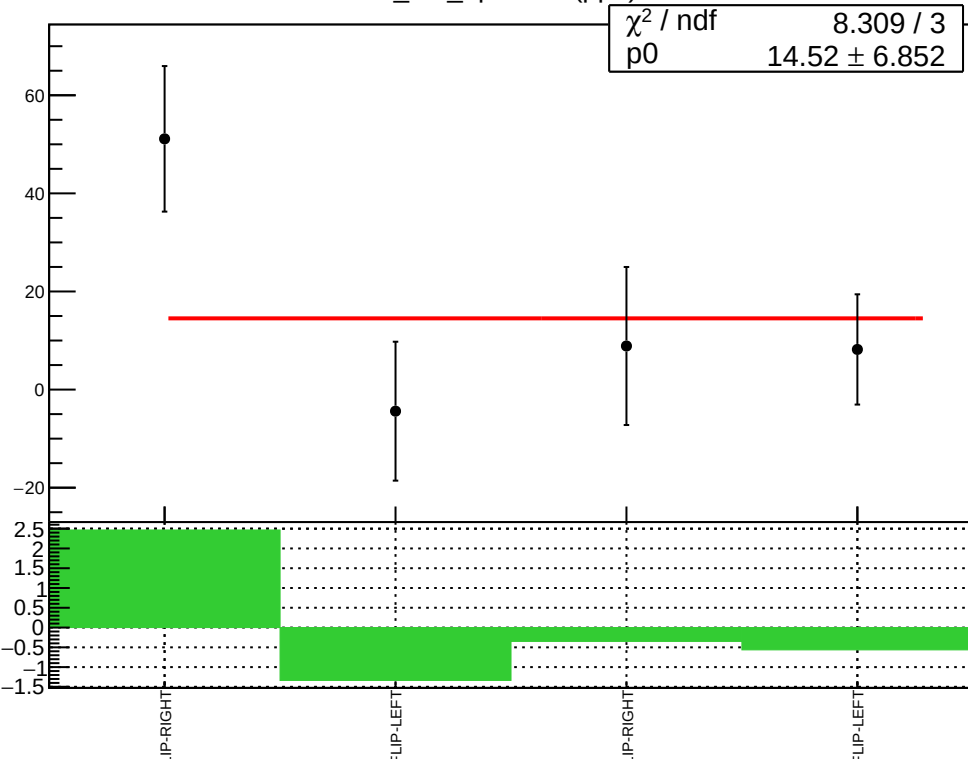
1D pull distribution



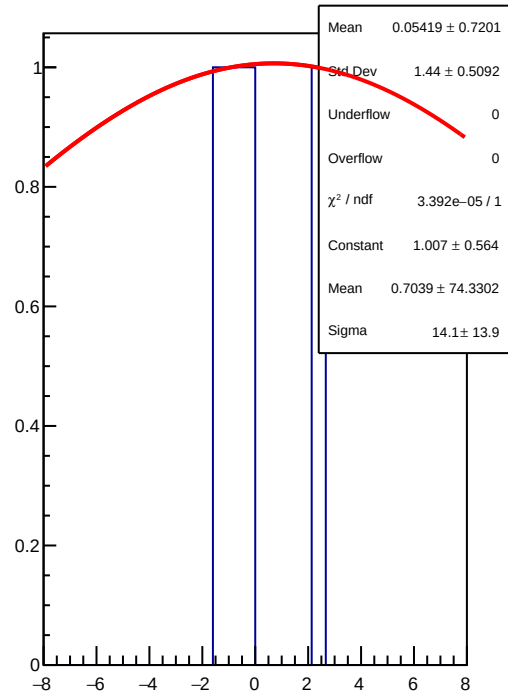
corr_usr_bpm4aX RMS (ppm)



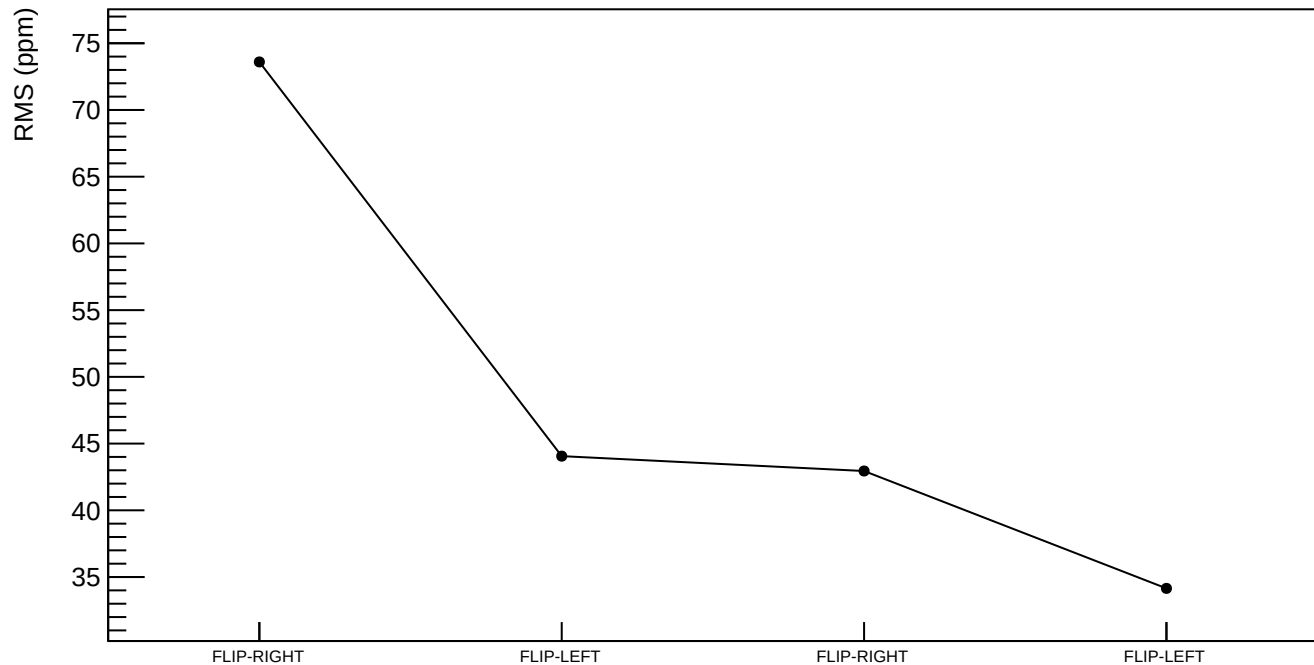
corr_usr_bpm4aY (ppb)



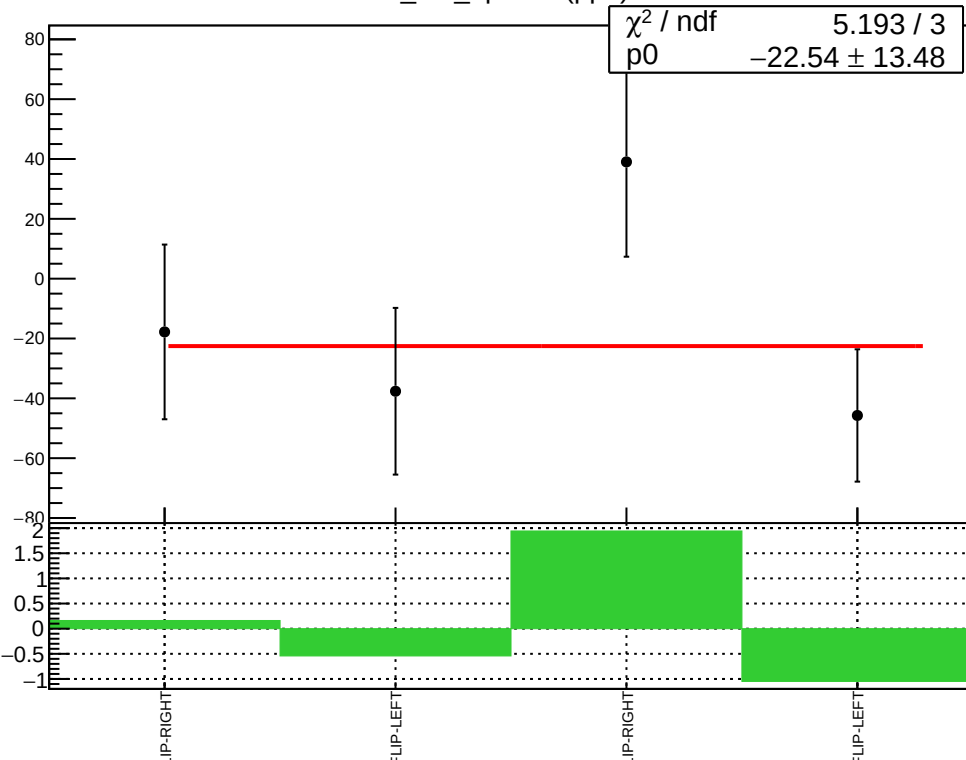
1D pull distribution



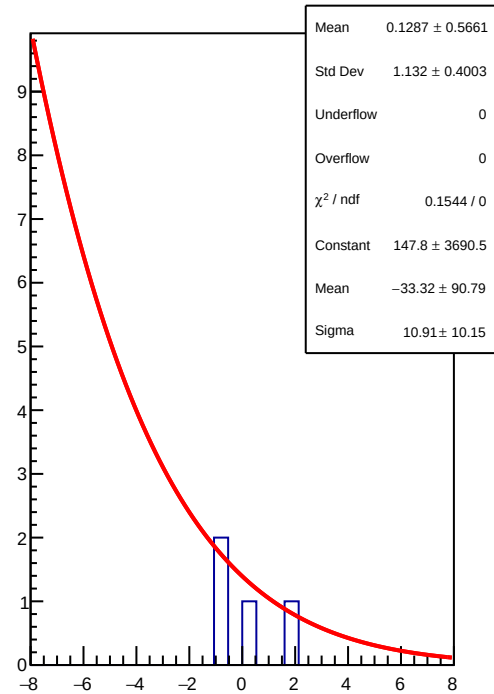
corr_usr_bpm4aY RMS (ppm)



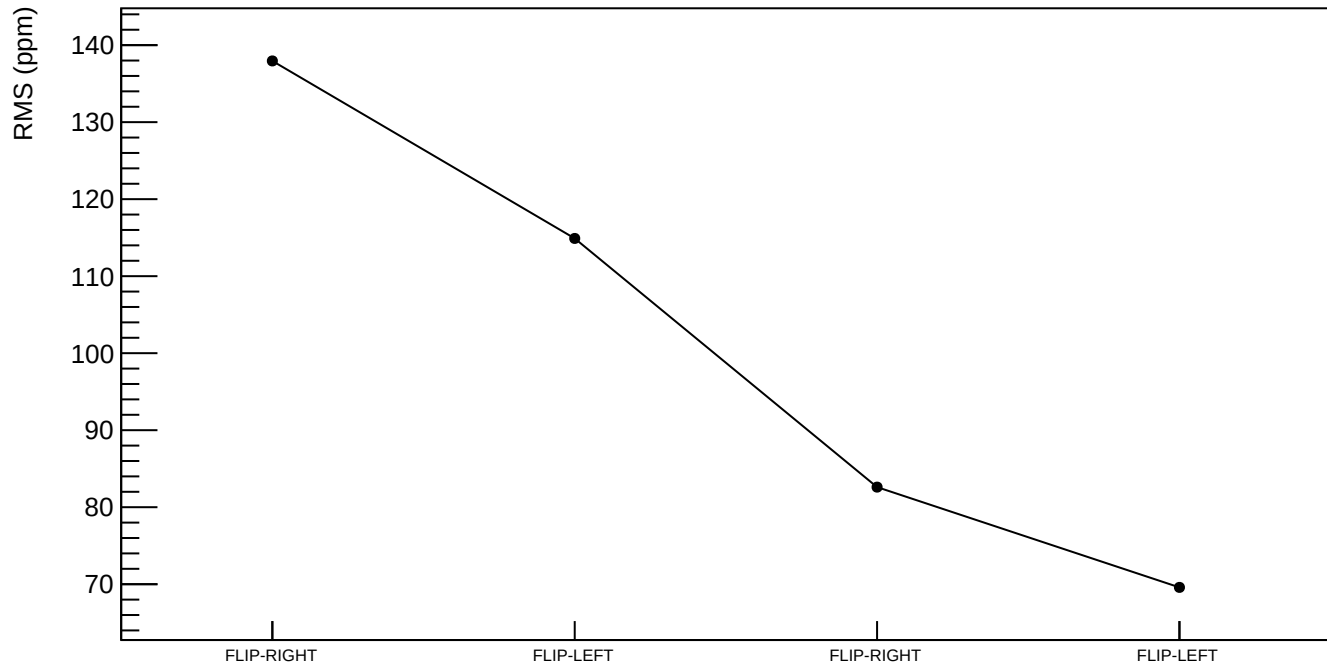
corr_usr_bpm1X (ppb)



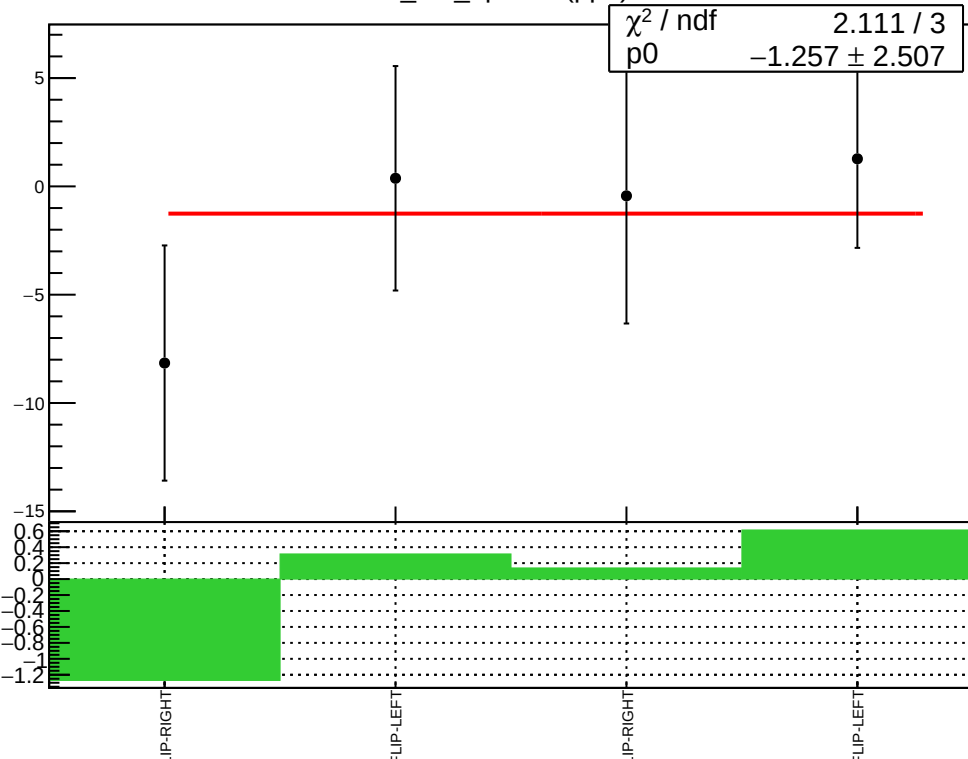
1D pull distribution



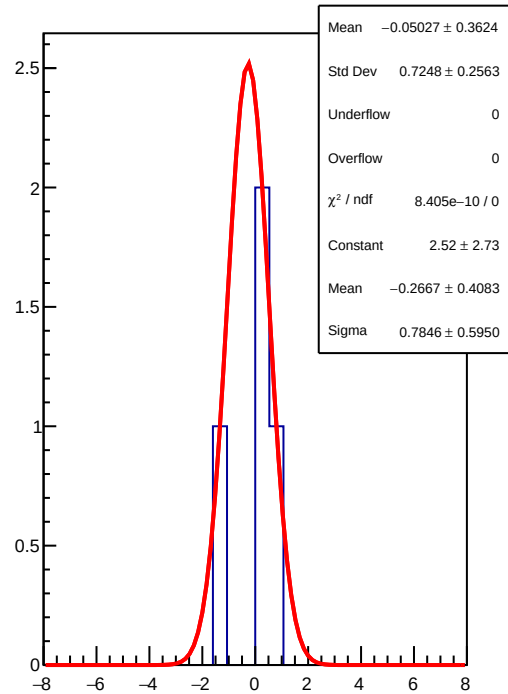
corr_usr_bpm1X RMS (ppm)



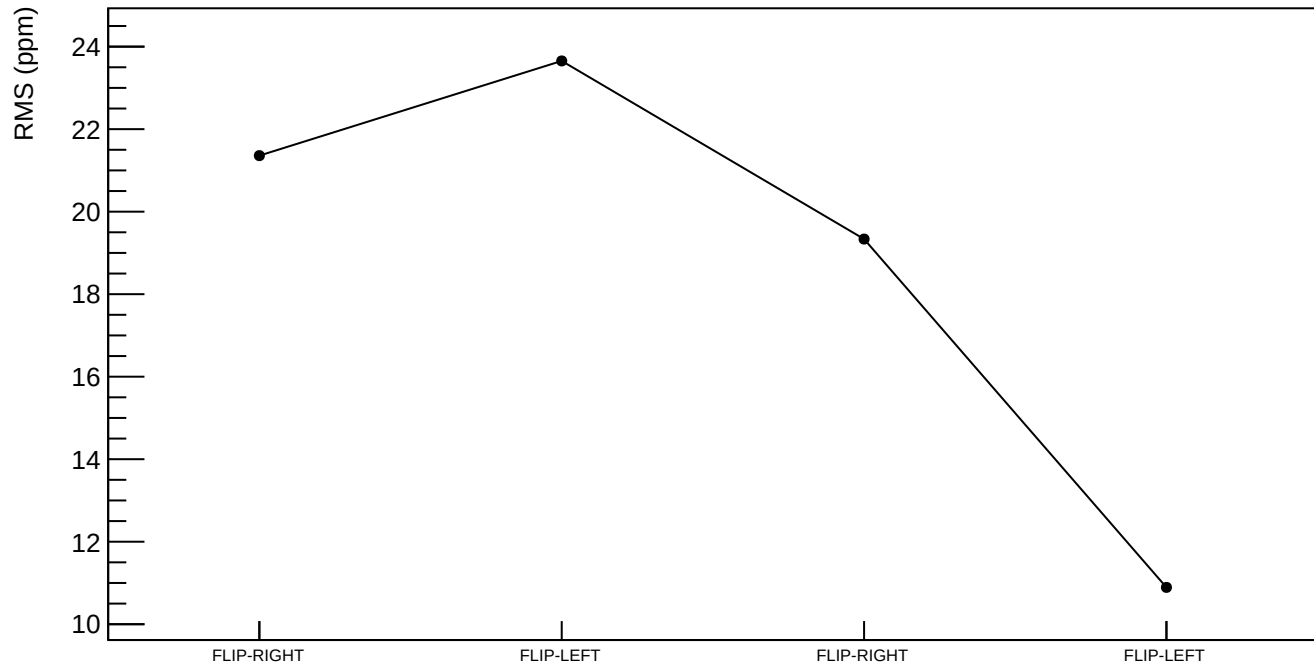
corr_usr_bpm1Y (ppb)



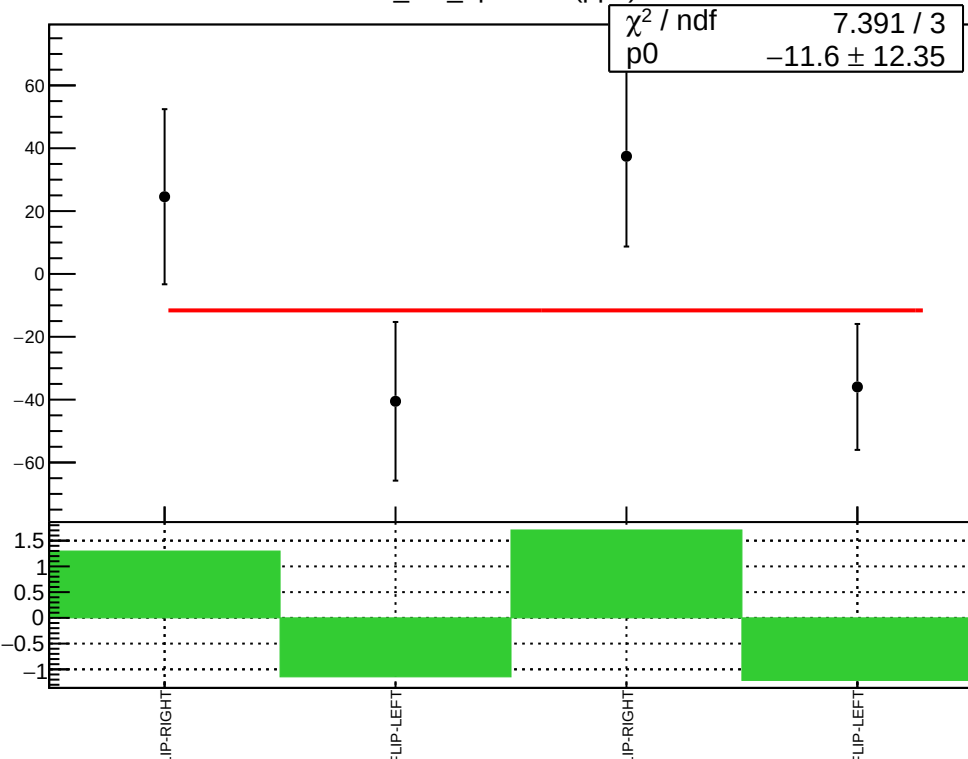
1D pull distribution



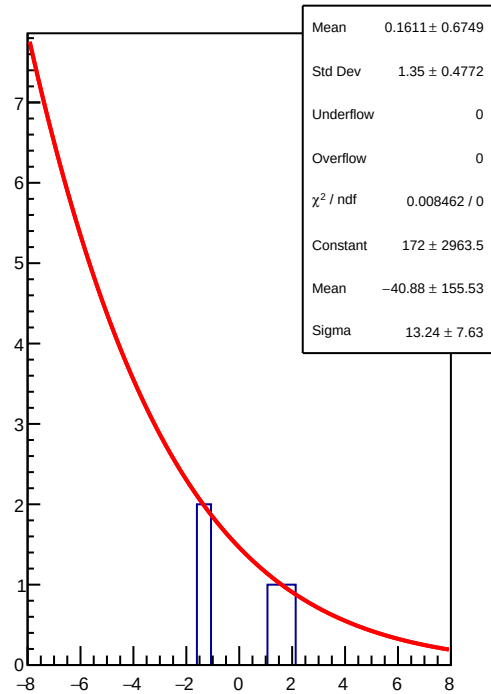
corr_usr_bpm1Y RMS (ppm)



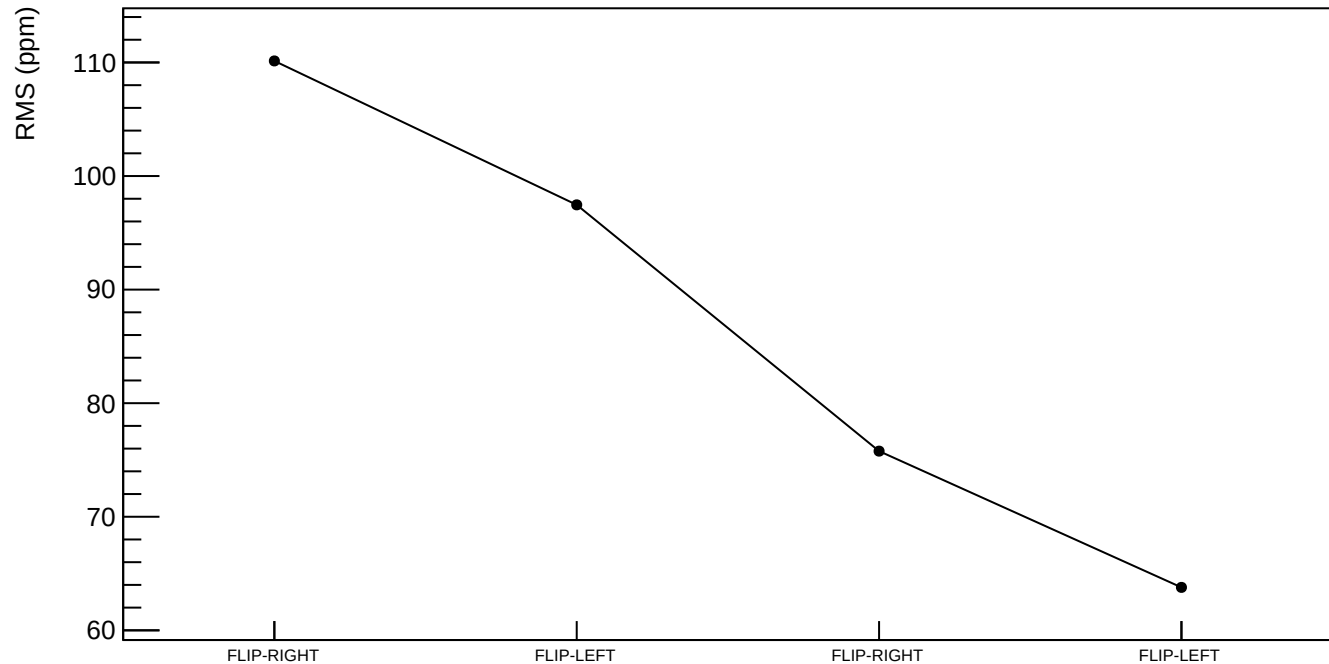
corr_usr_bpm16X (ppb)



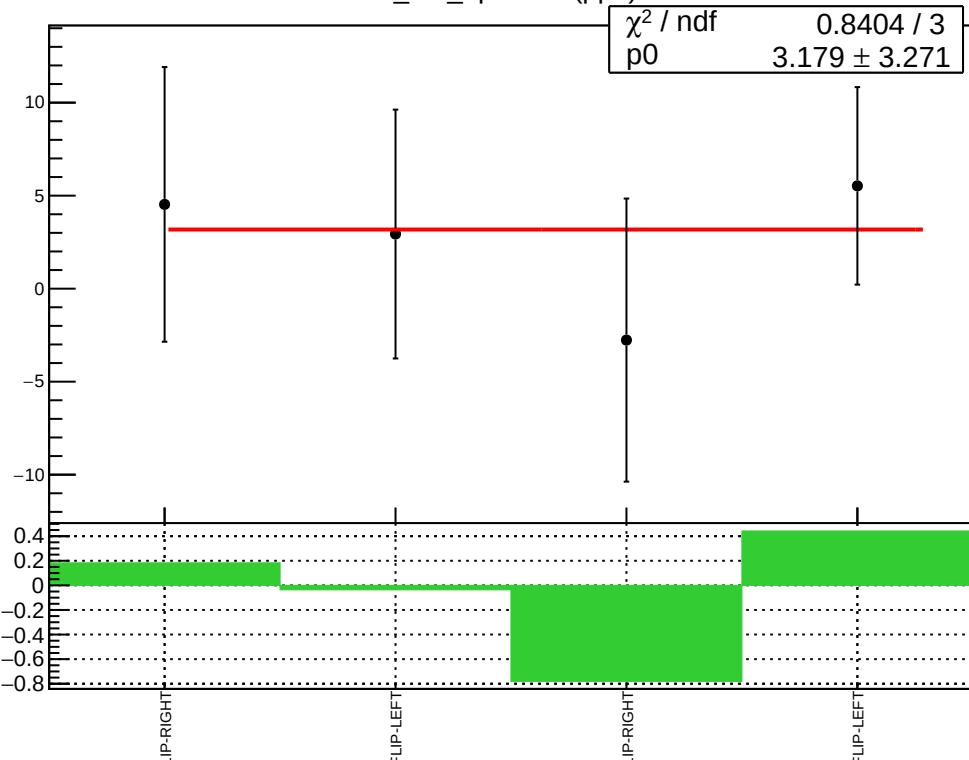
1D pull distribution



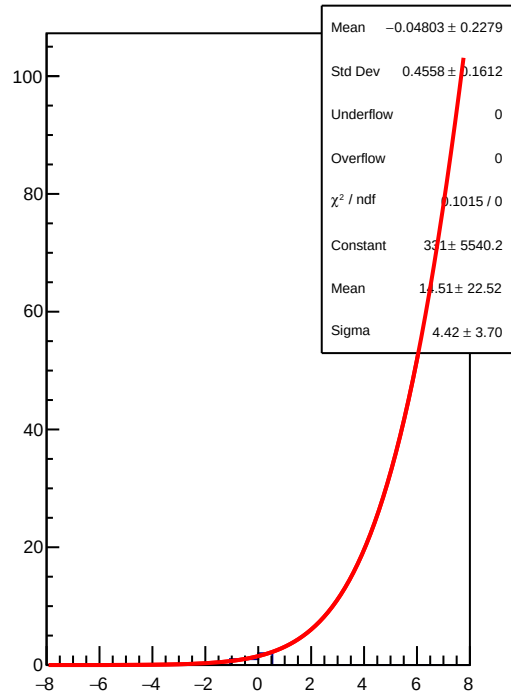
corr_usr_bpm16X RMS (ppm)



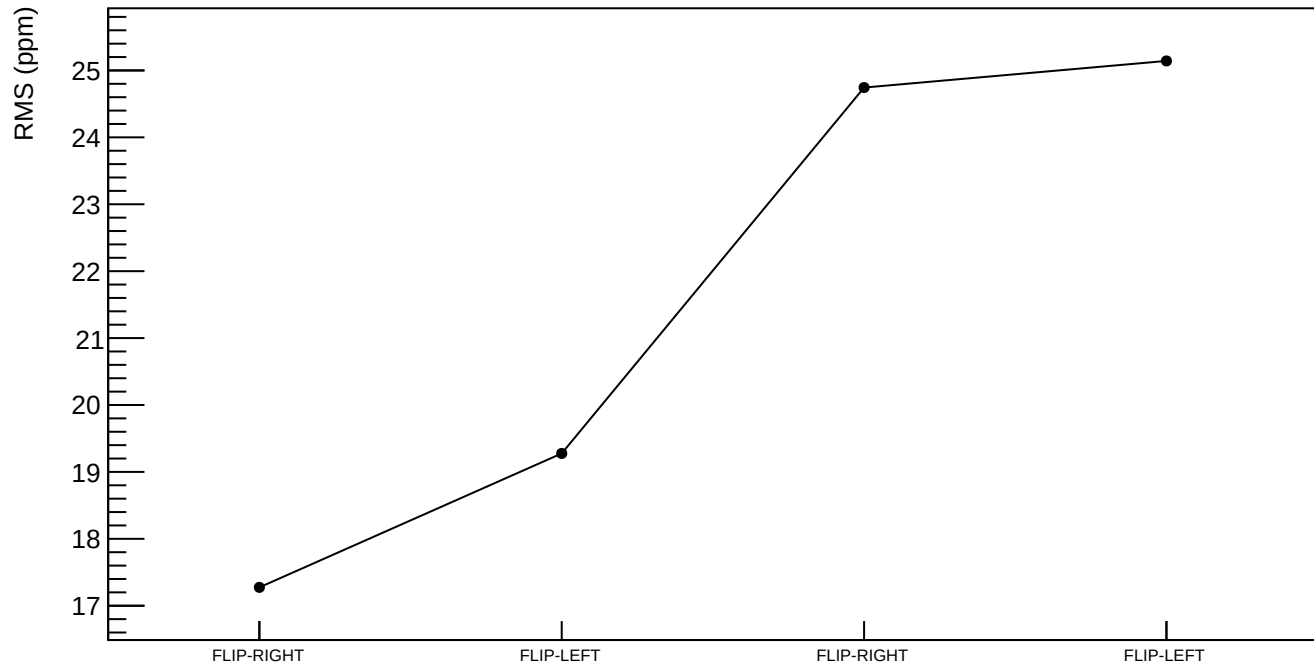
corr_usr_bpm16Y (ppb)



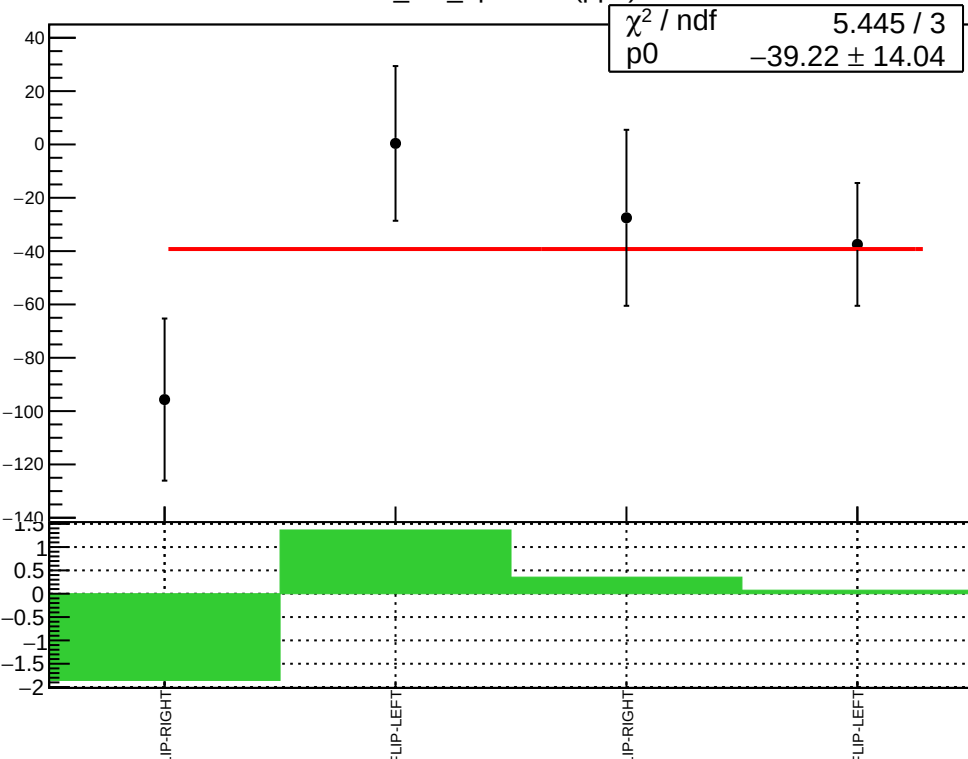
1D pull distribution



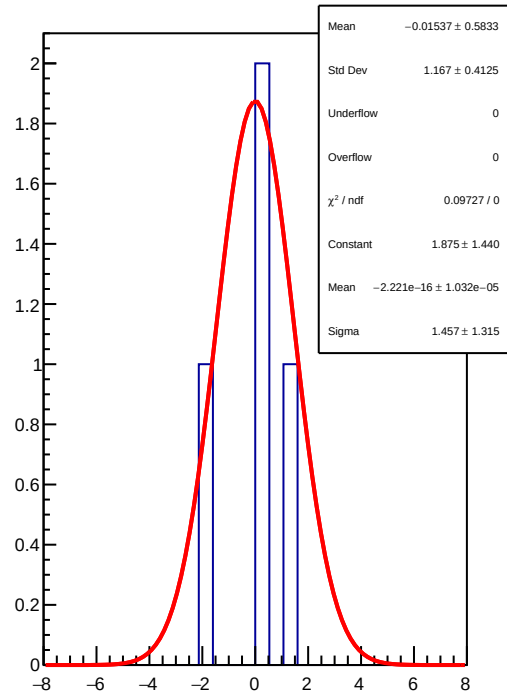
corr_usr_bpm16Y RMS (ppm)



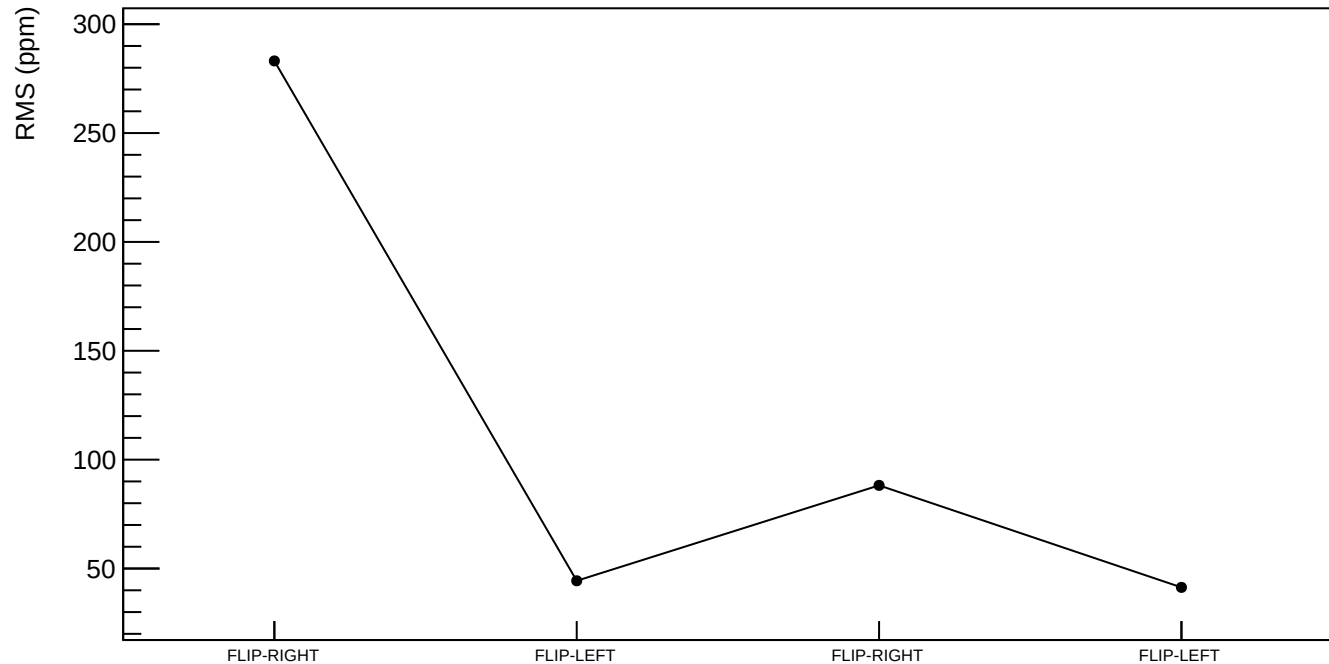
corr_usr_bpm12X (ppb)



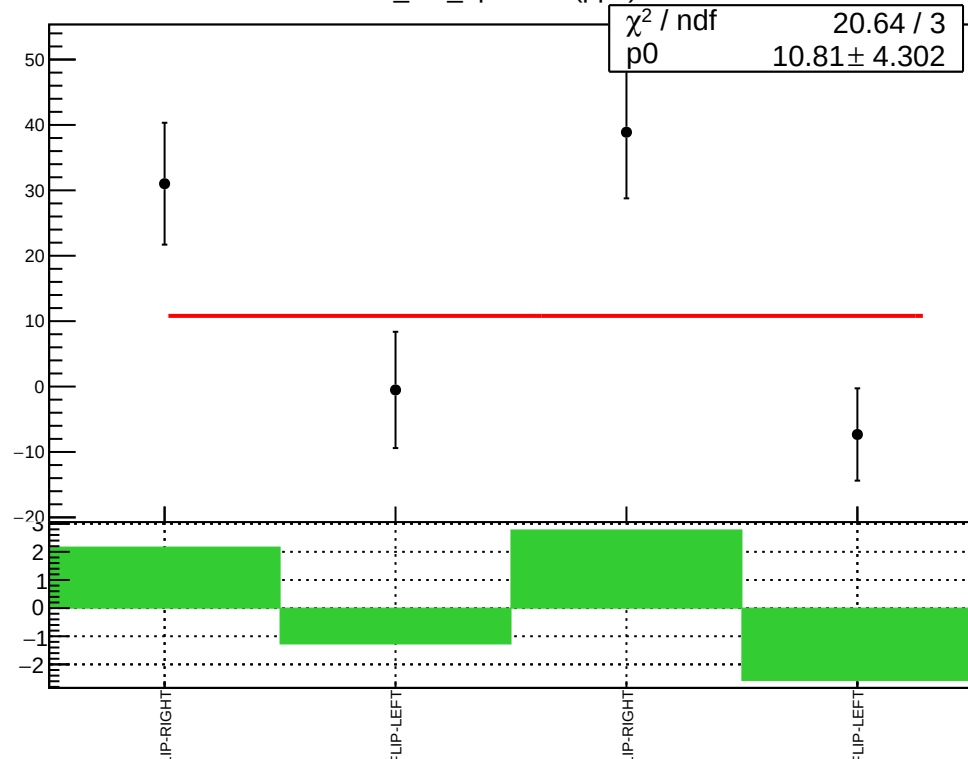
1D pull distribution



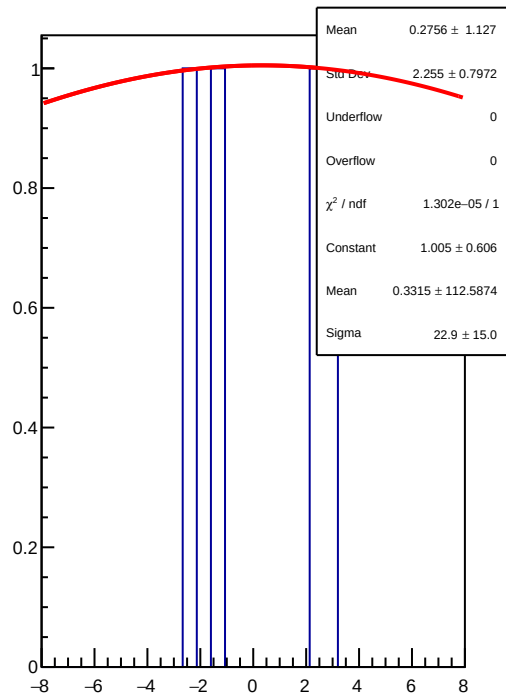
corr_usr_bpm12X RMS (ppm)



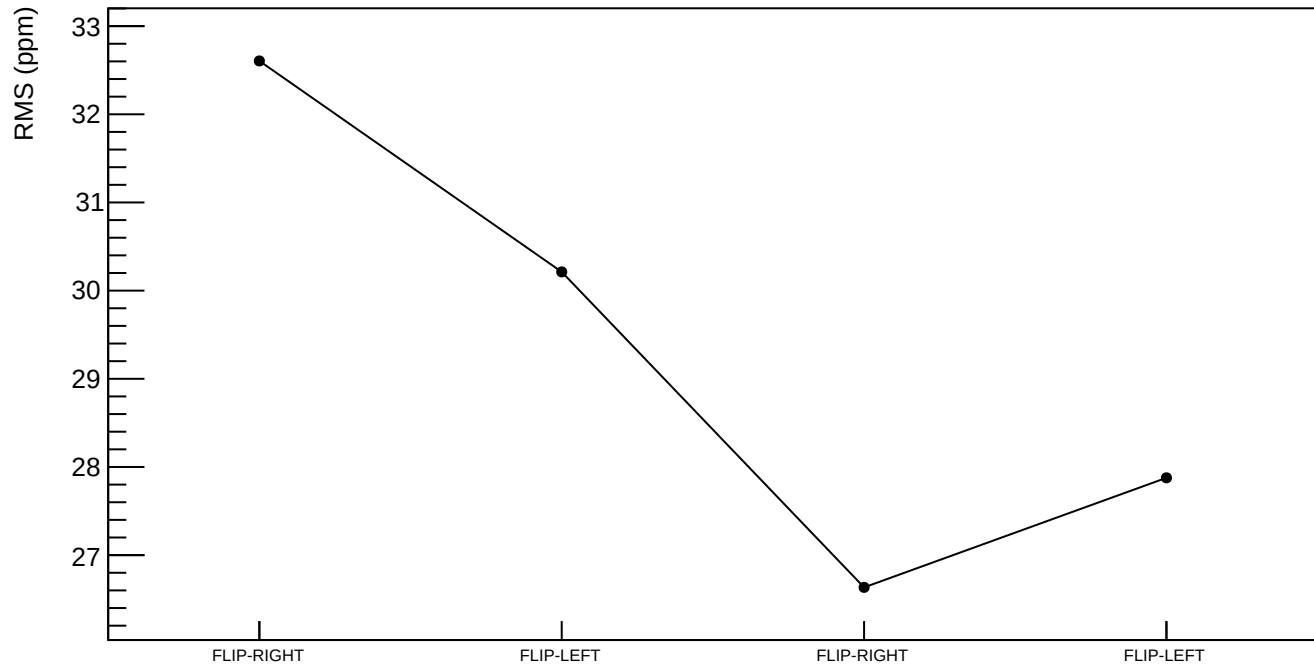
corr_usr_bpm12Y (ppb)



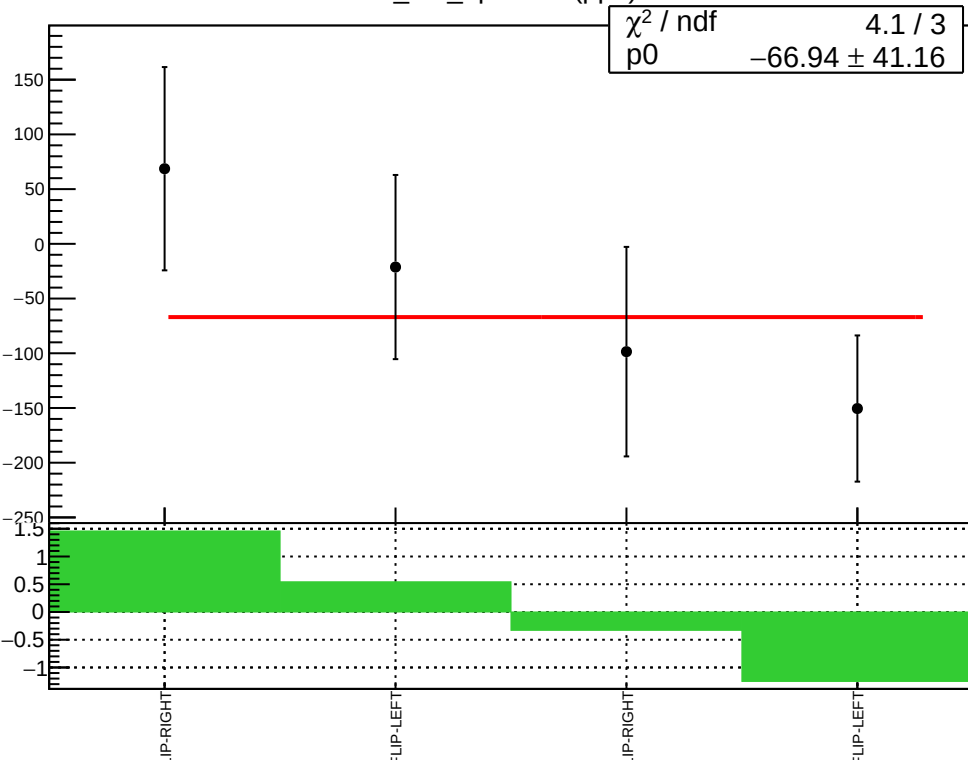
1D pull distribution



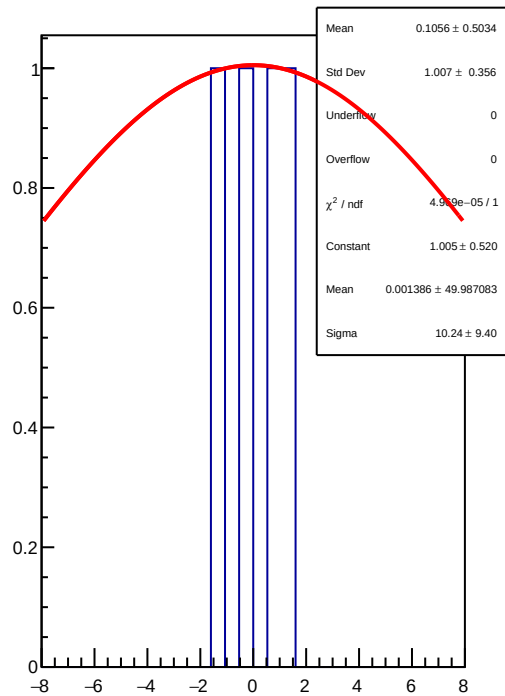
corr_usr_bpm12Y RMS (ppm)



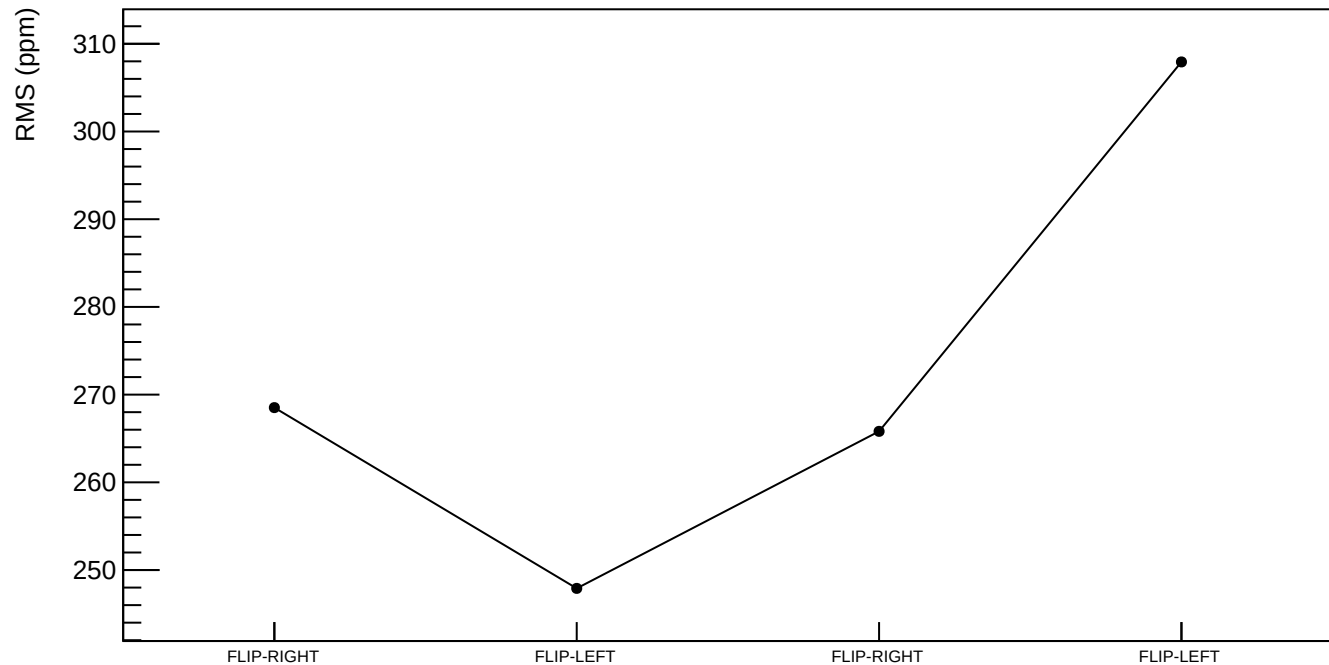
corr_usr_bpm11X (ppb)



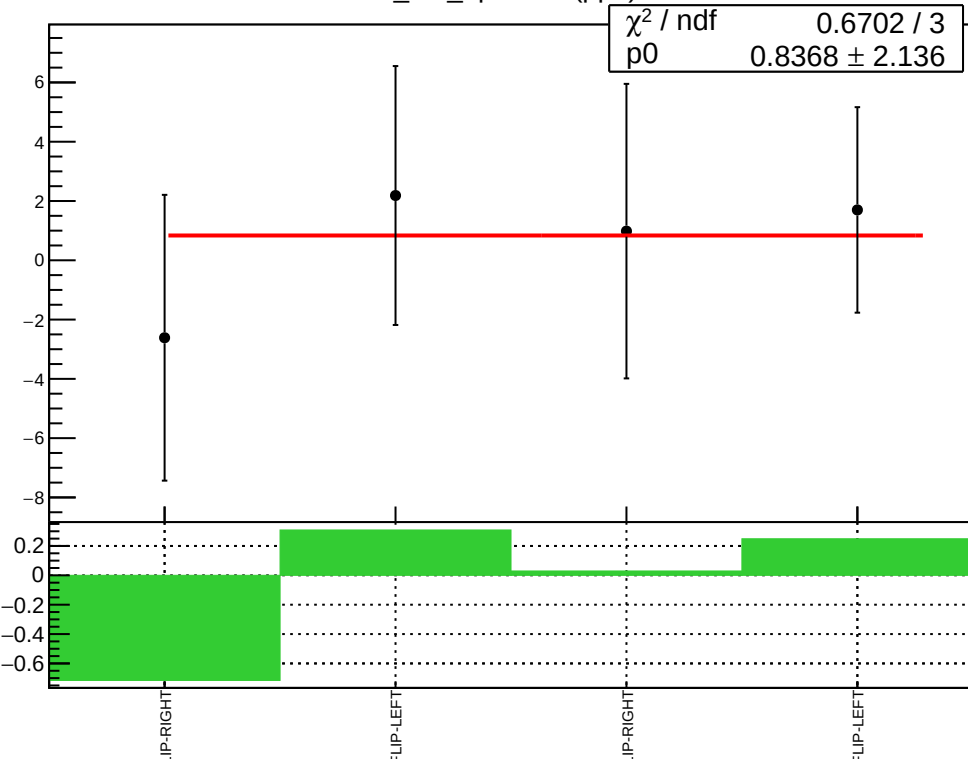
1D pull distribution



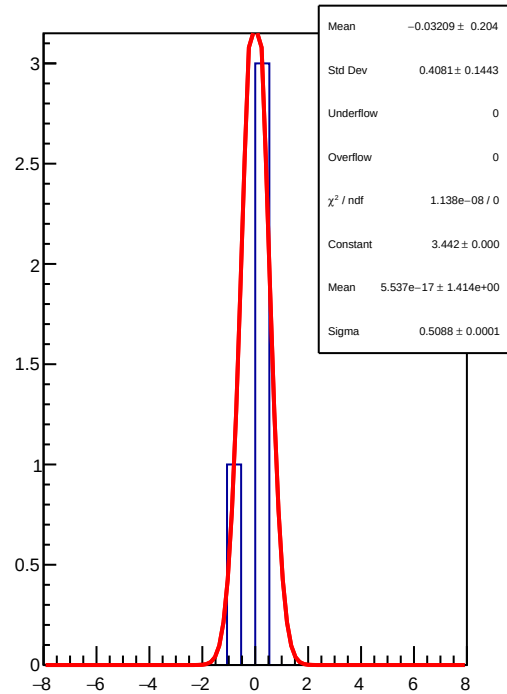
corr_usr_bpm11X RMS (ppm)



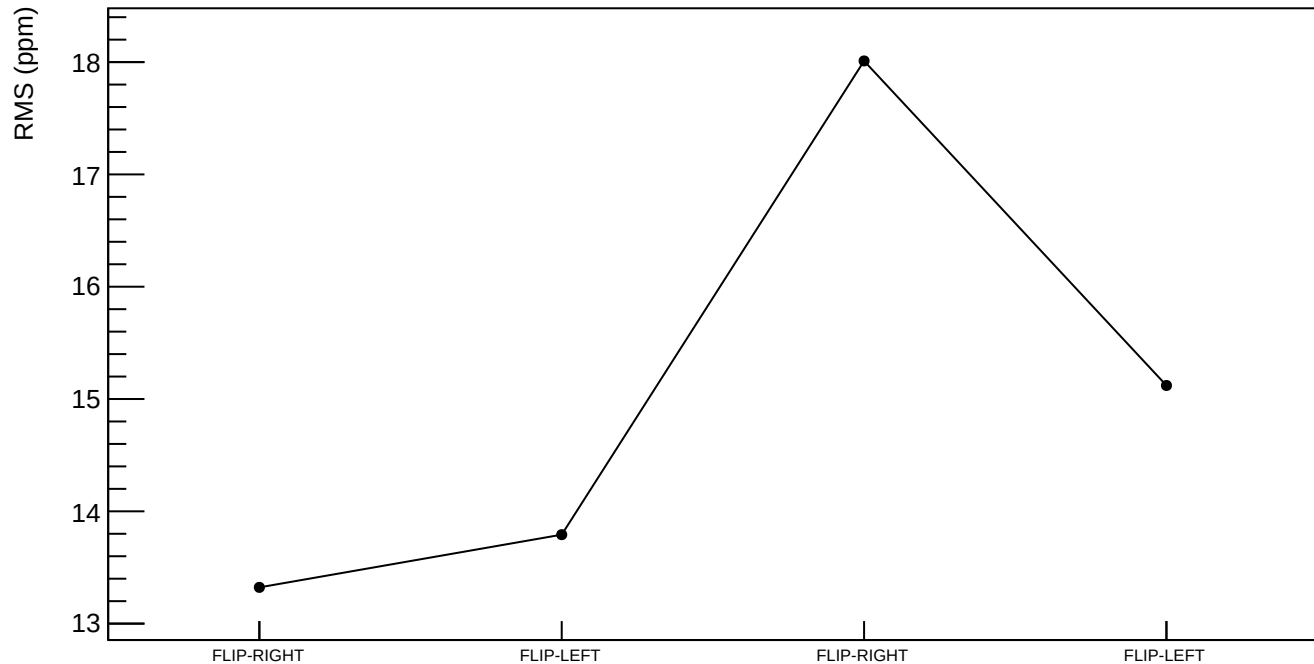
corr_usr_bpm11Y (ppb)



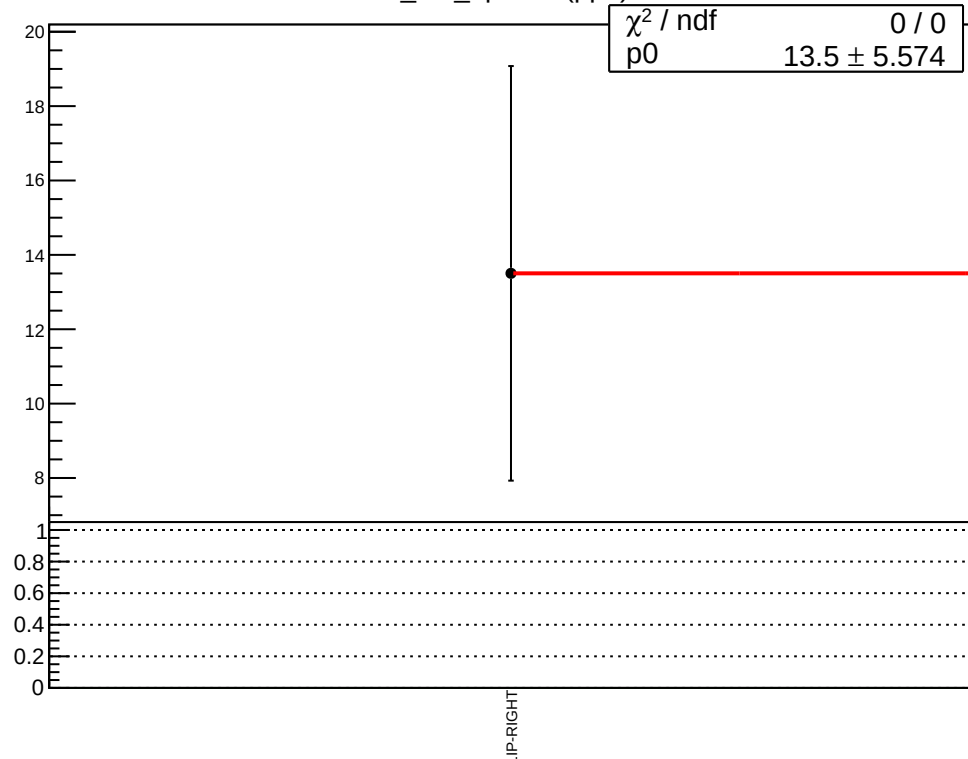
1D pull distribution



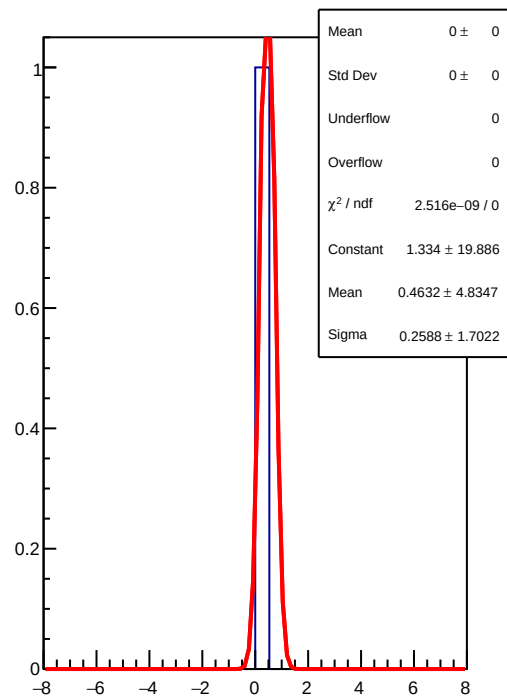
corr_usr_bpm11Y RMS (ppm)



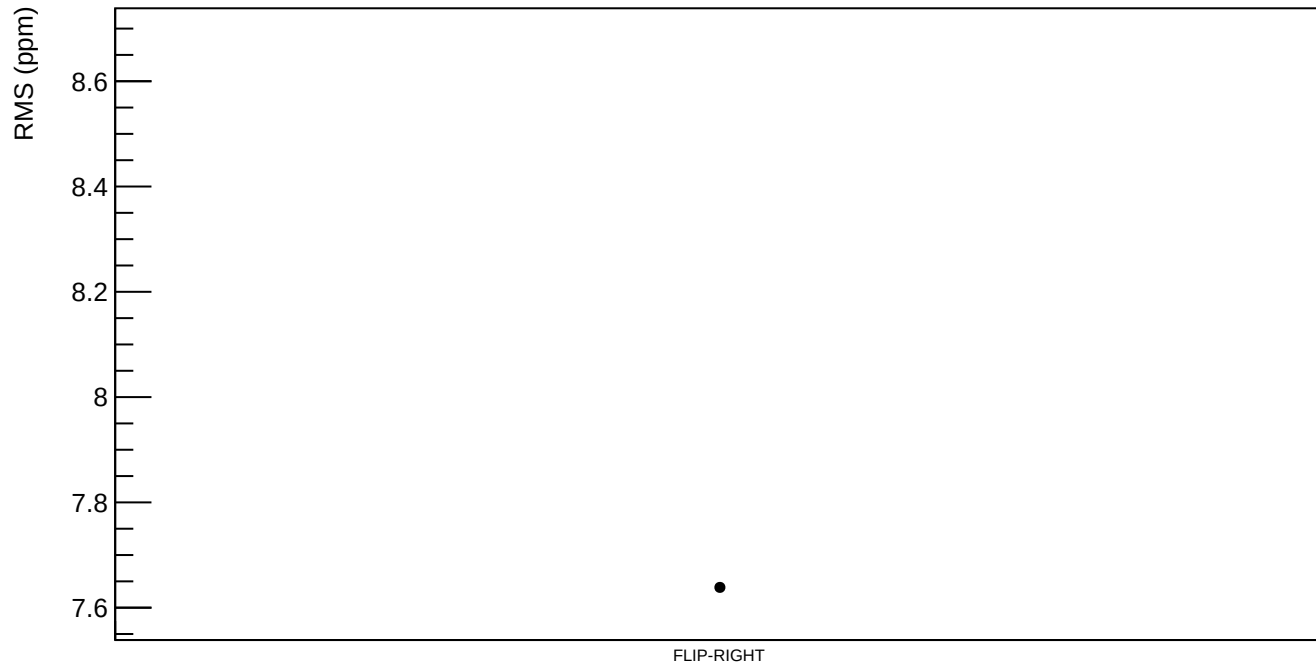
corr_usr_bpm8X (ppb)



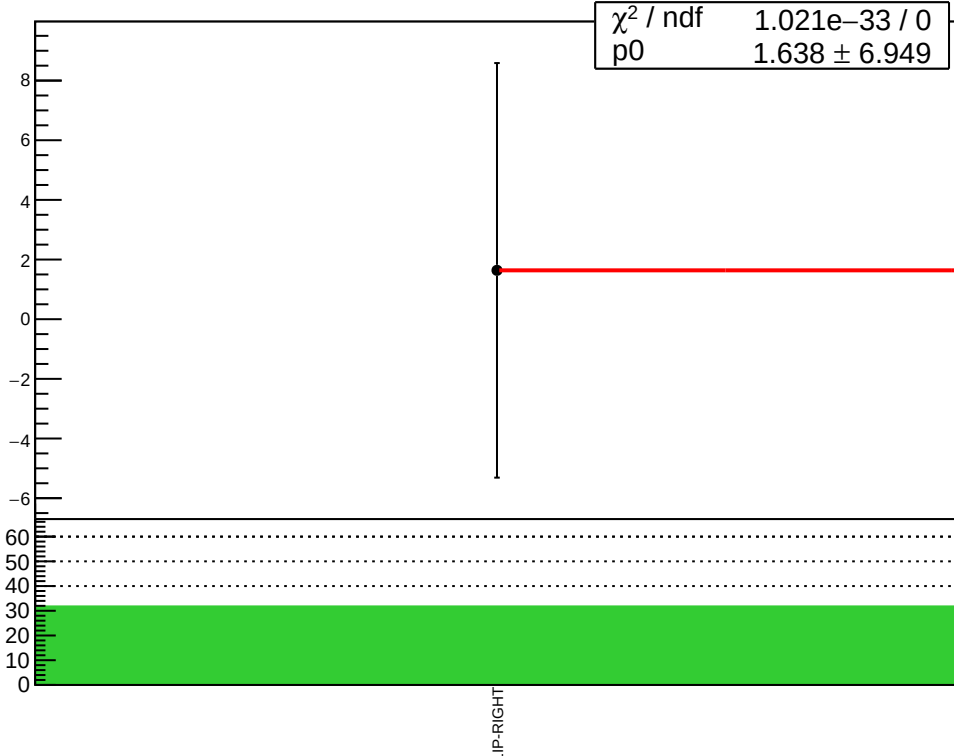
1D pull distribution



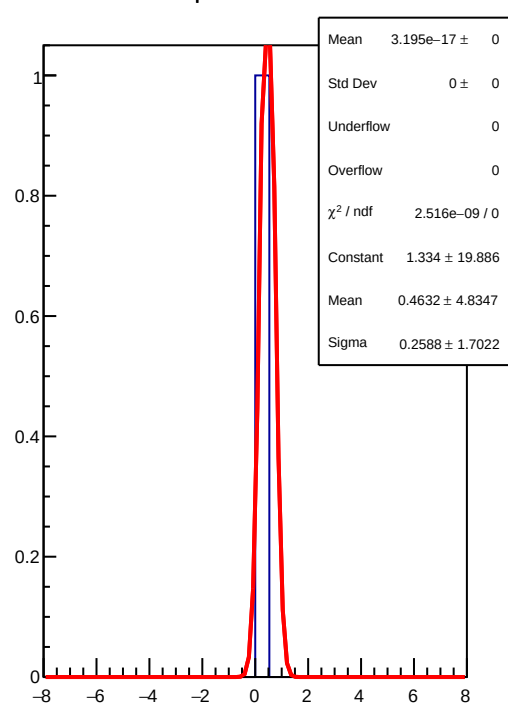
corr_usr_bpm8X RMS (ppm)



corr_usr_bpm8Y (ppb)



1D pull distribution



corr_usr_bpm8Y RMS (ppm)

RMS (ppm)

14.2

14

13.8

13.6

13.4

13.2

FLIP-RIGHT

