**Thesis Brainstorm**

Title: Using cosmic-ray hodoscope data to validate misalignment measurements in small-strip thin gap chambers for the ATLAS experiment

Required Section

* ATLAS
* NSW
* sTGC
* Motivation for replacing NSW

Validation of method:

Plot showing gaus fit vs doub gaus fit

Uncertainties in y positions of 2 layer tracks with cosmics

Effect of track angle?

Desired Results:

Correlation plot of misalignment data

TH2Fs showing difference between as-built model and cosmics