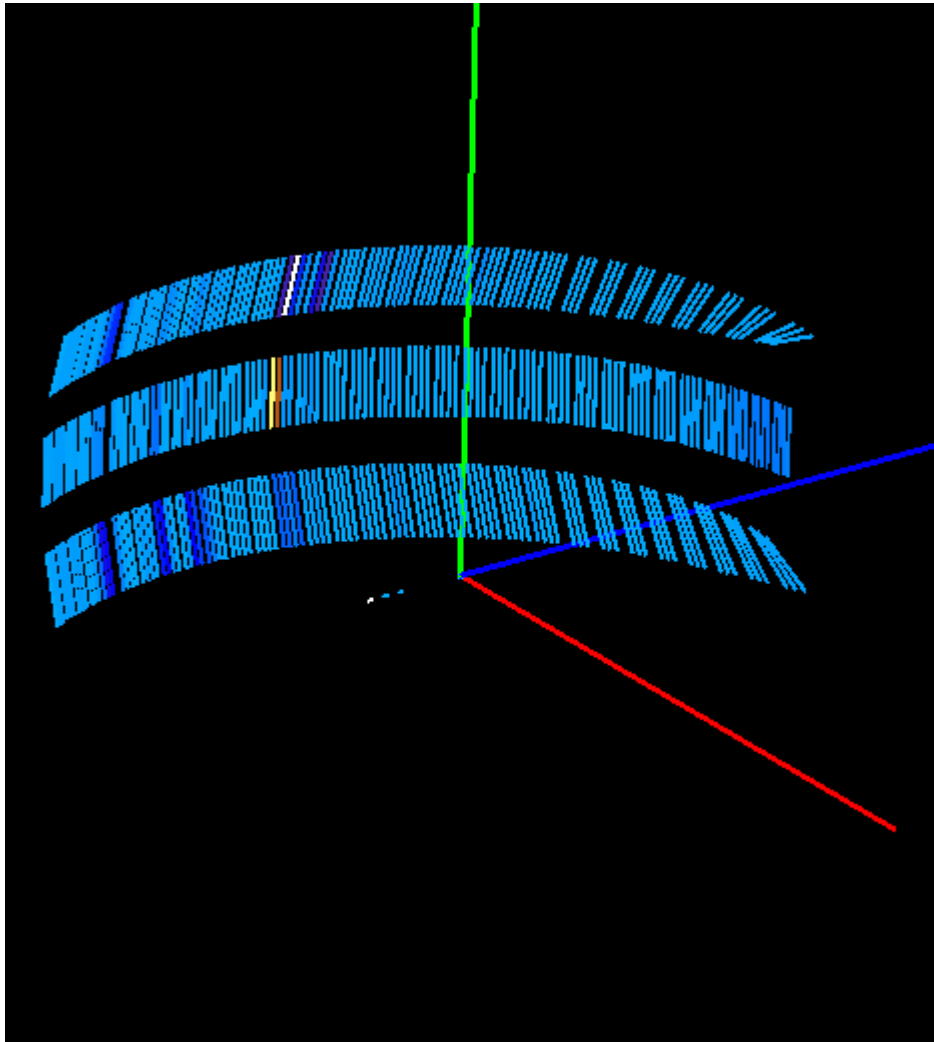


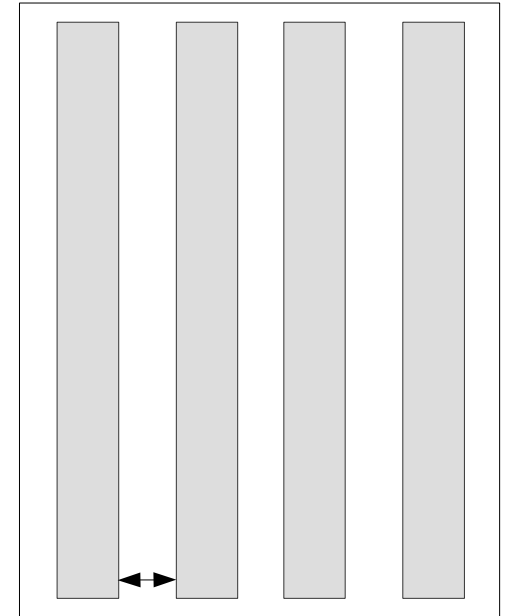
# IN6 Instrument Definition Updates

Sprint Review Meeting 28/06/16

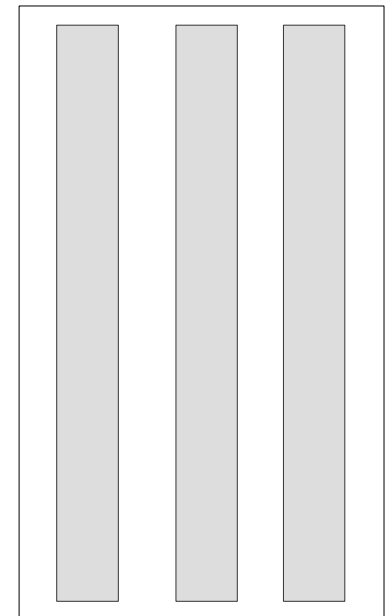
# IN6 Detector Geometry



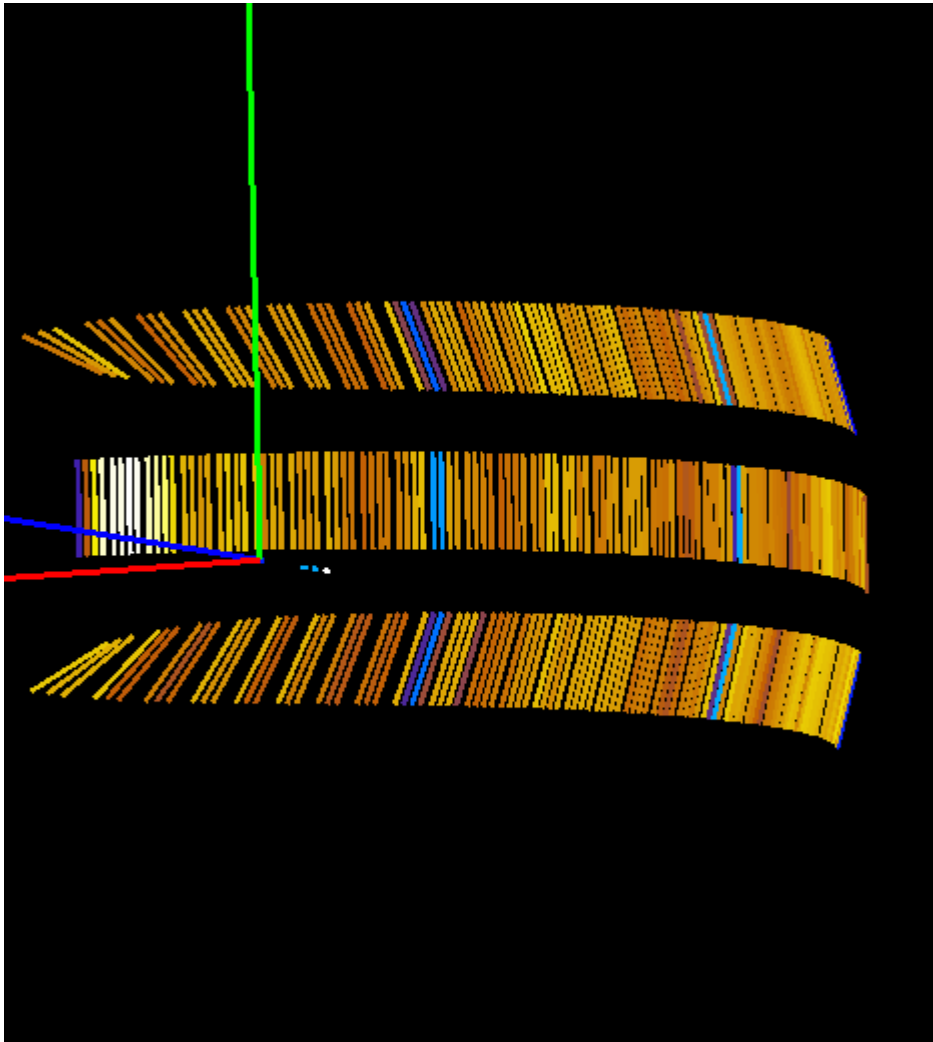
16 mm  
300 mm  
32 mm



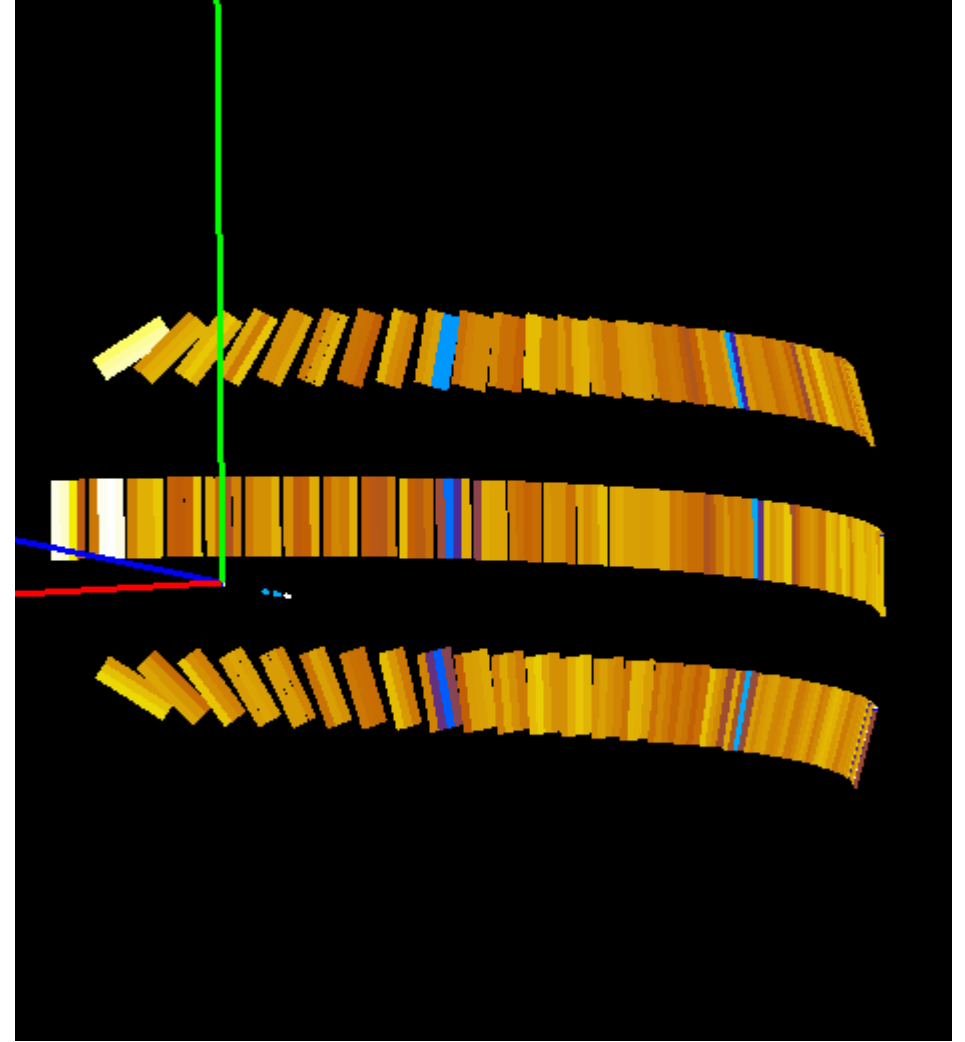
0.78°/33.8 mm



# IN6 IDF Update

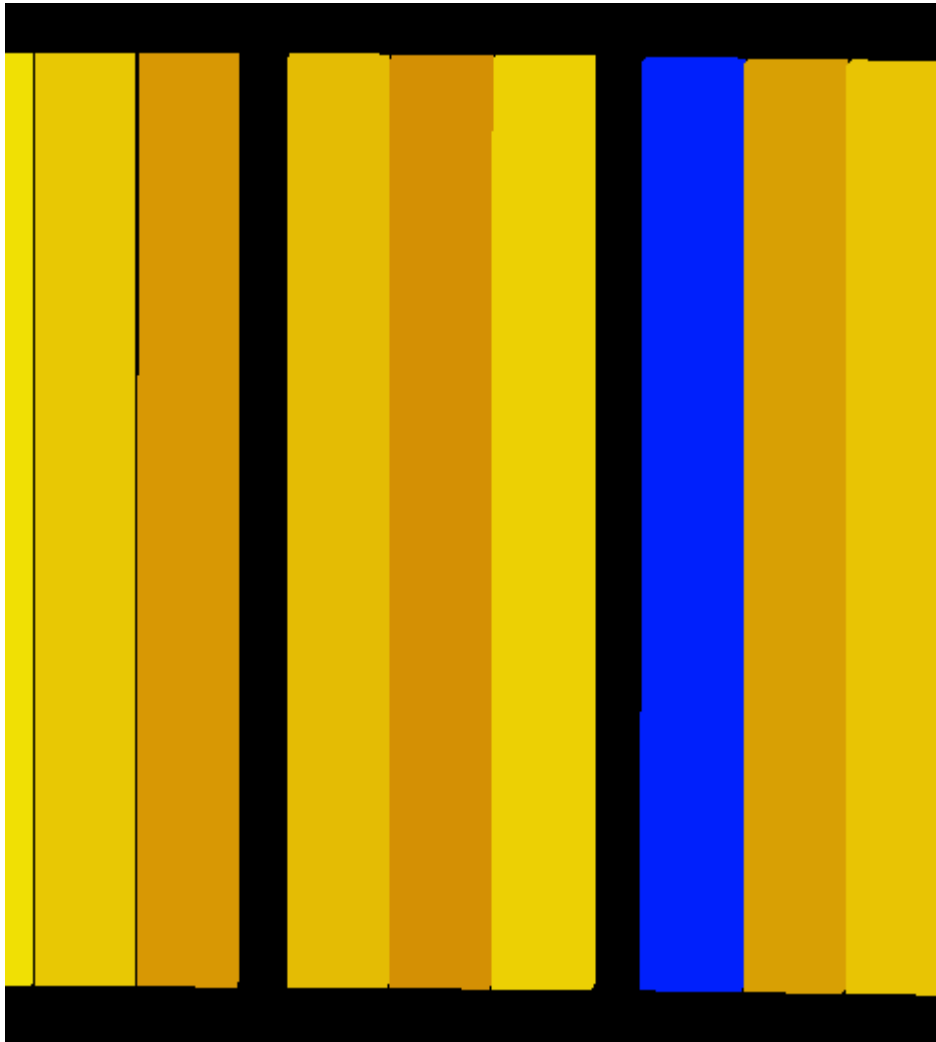


Existing

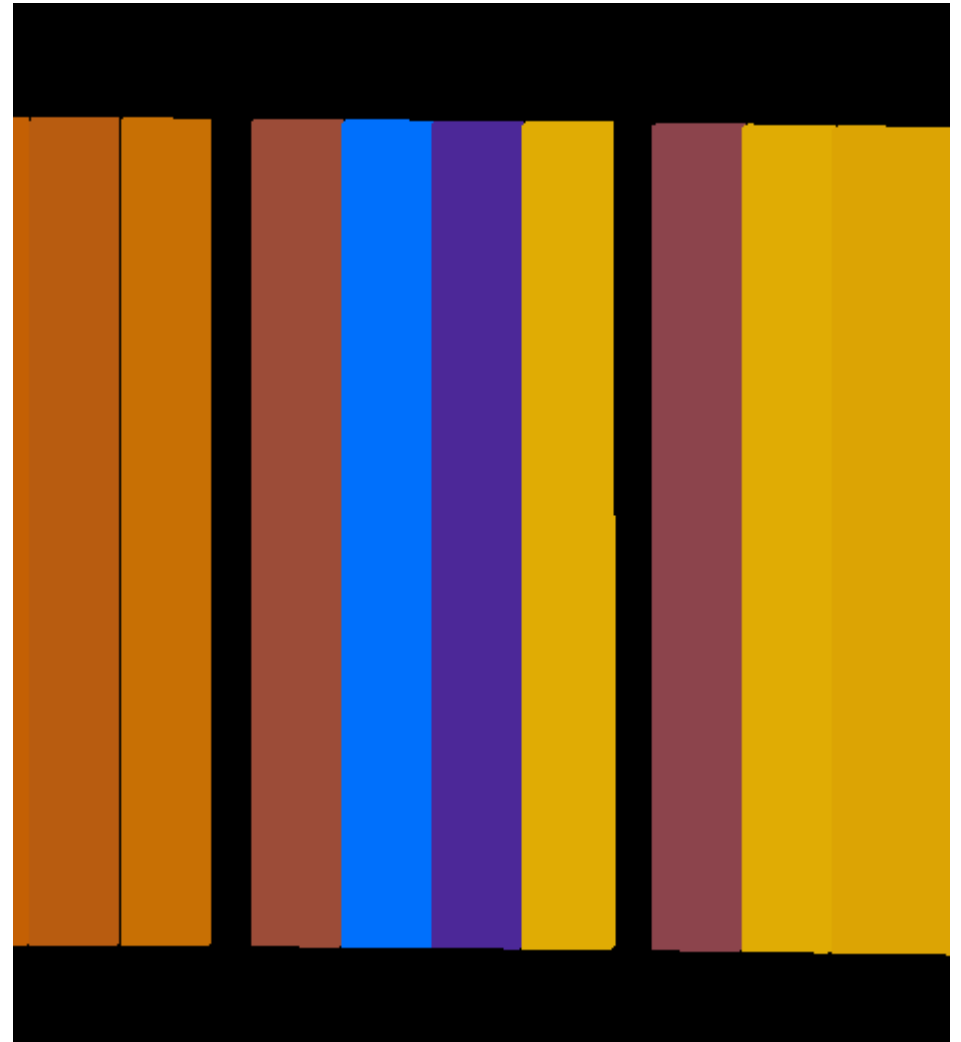


New

# IN6 IDF Update

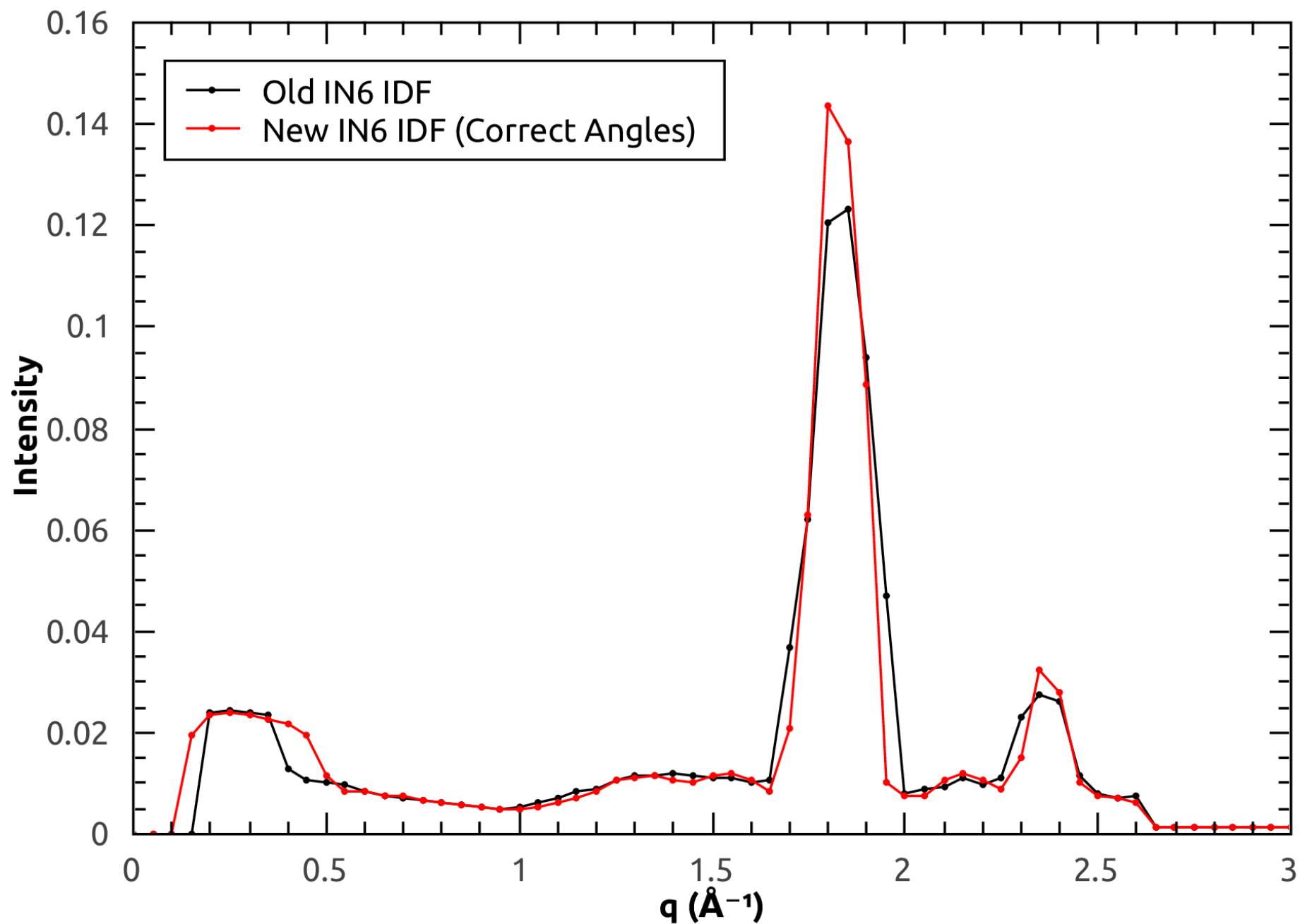


Bank of 3



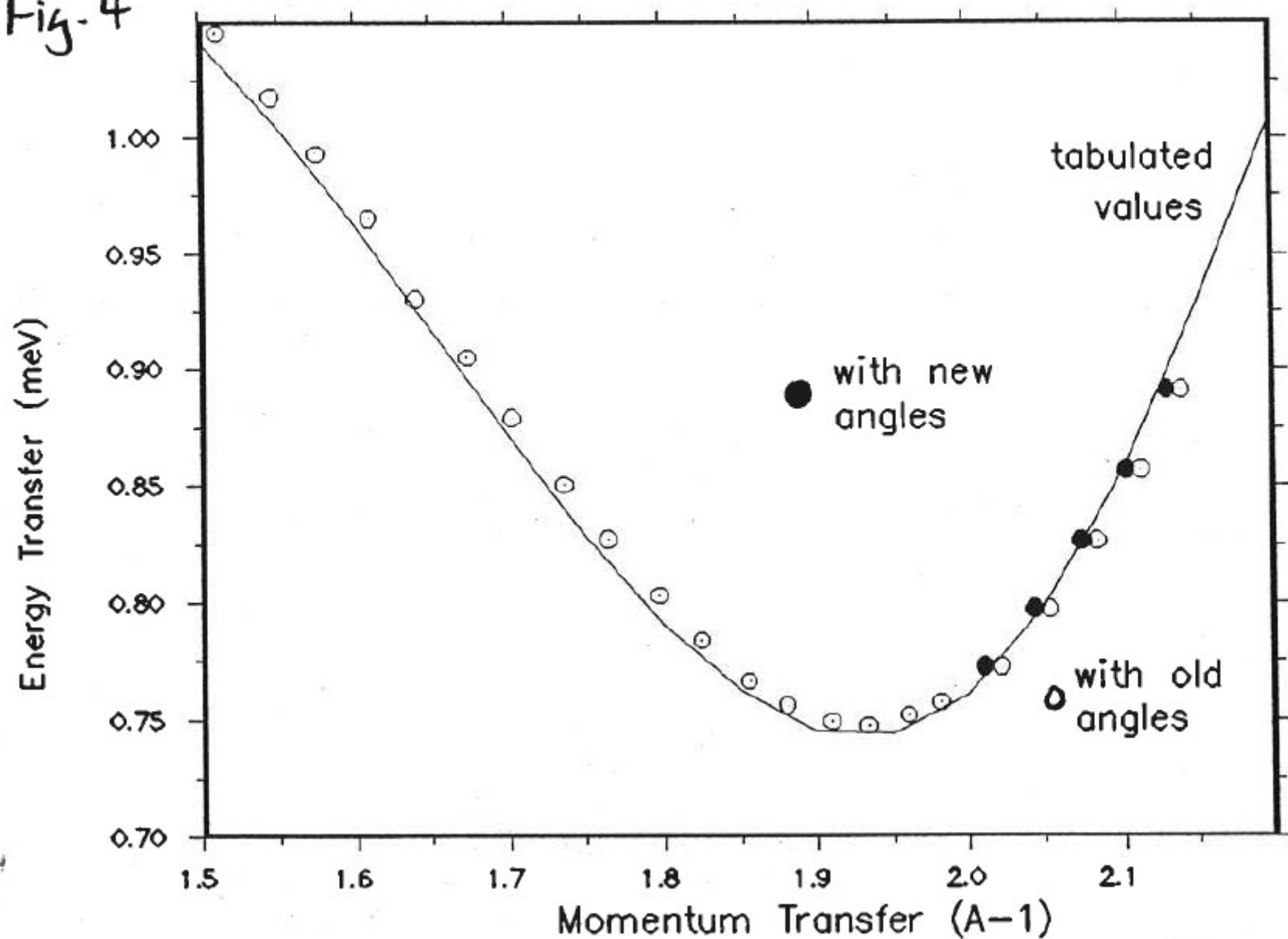
Bank of 4

# SofQW - Old IDF vs New IDF

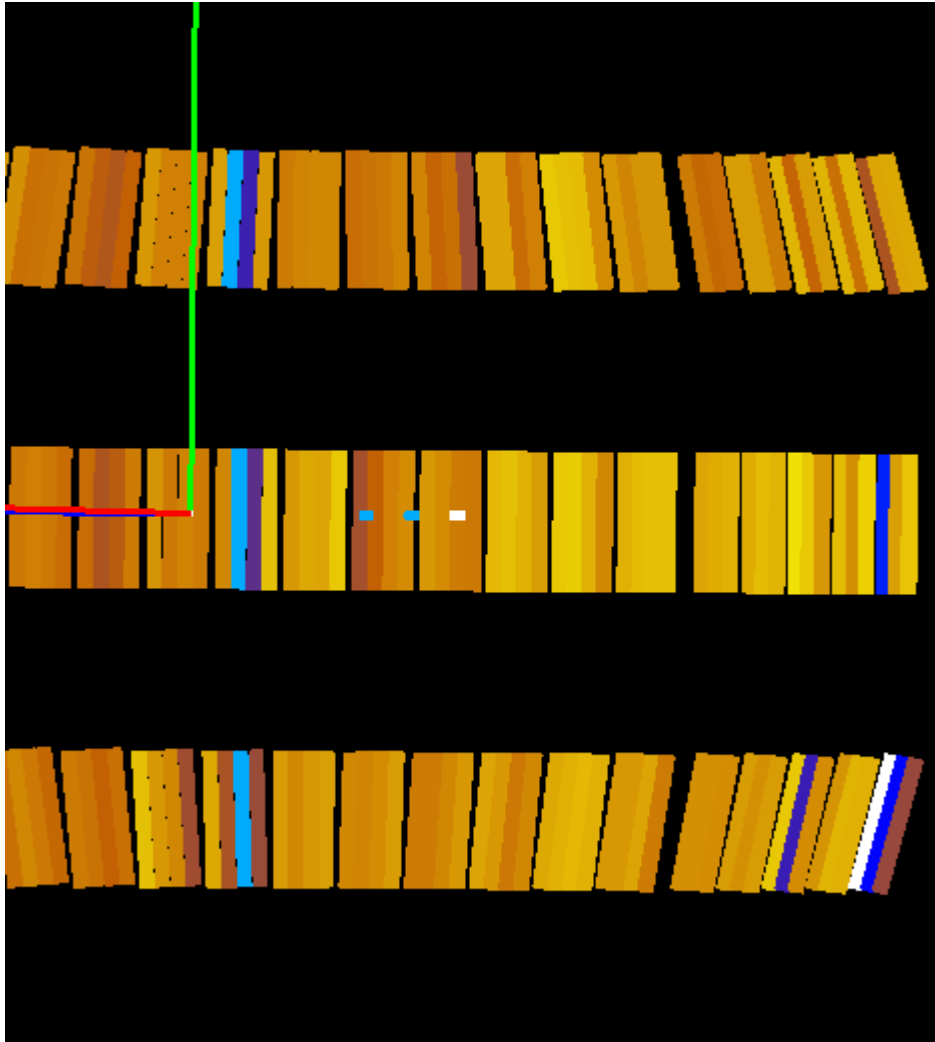


TITLE :  $^4\text{He}$  phonon-roton dispersion curve

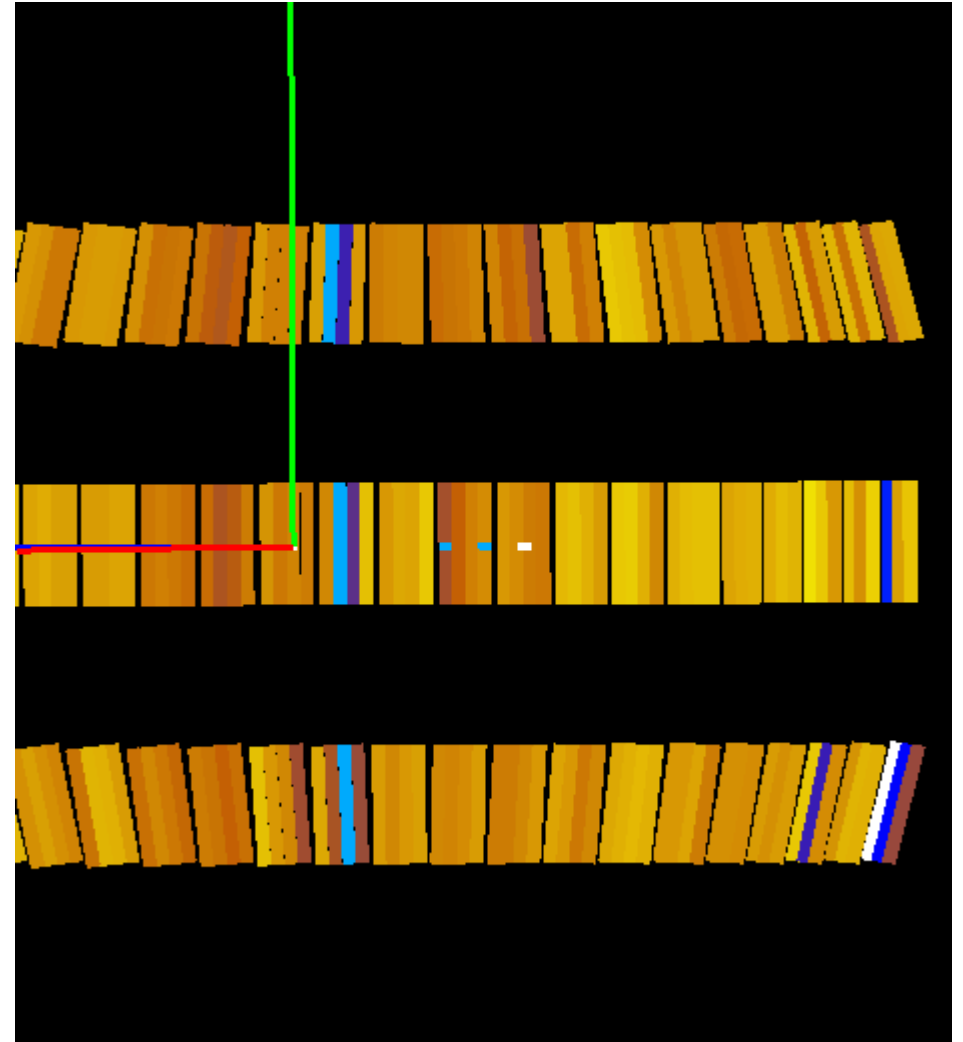
Fig-4



# Fix for High Angle Detectors

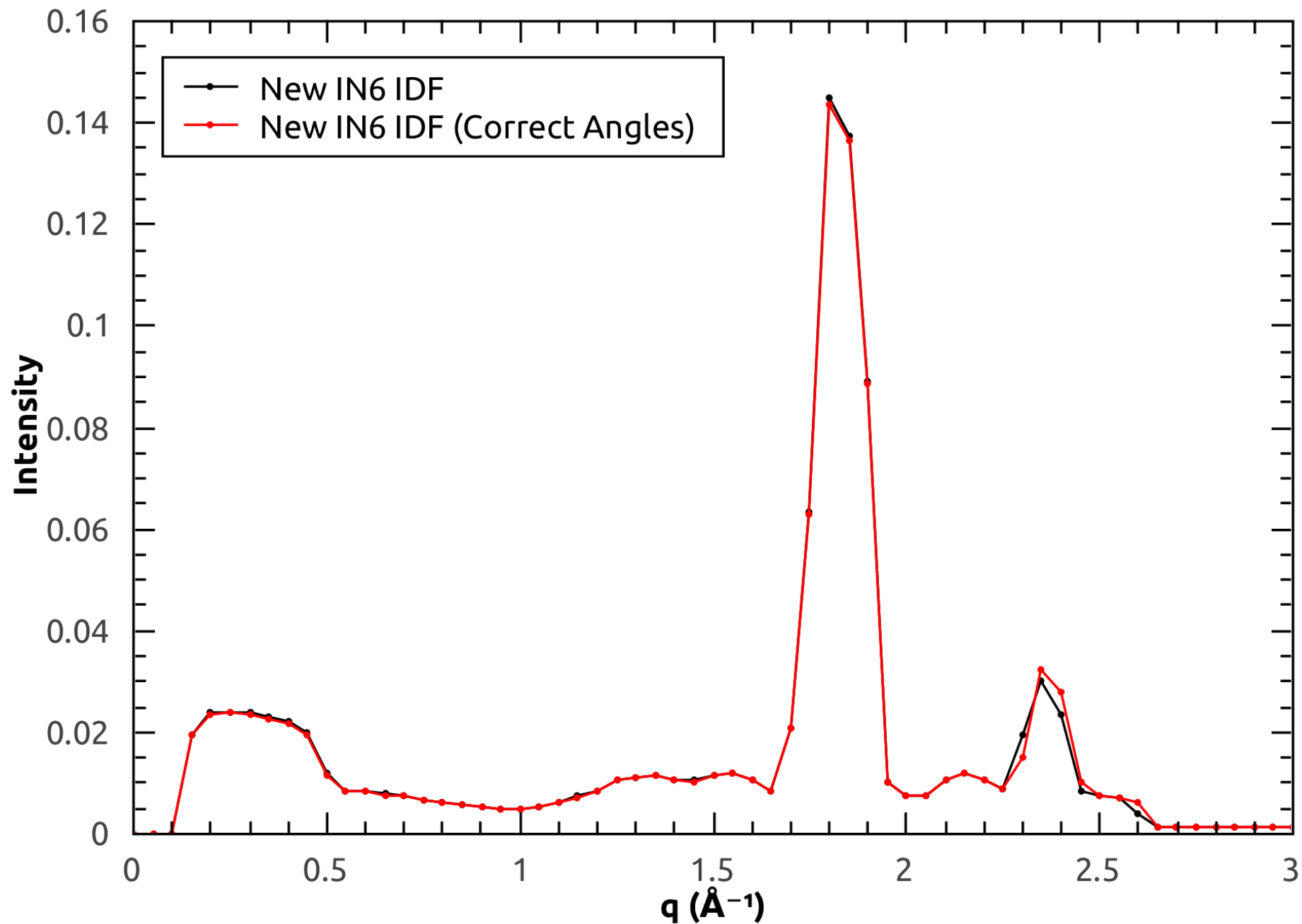


**NeXus File Angles**



**Lamp Angles**

## SofQW - Corrected vs Uncorrected Angles





# Work to Do...

- Verify IN6 IDF – does it correspond to the real detector
- Finish generalisation of IN6 IDF generation for IN4 IDF
- Look at other data sets for IN6 data for further verification