

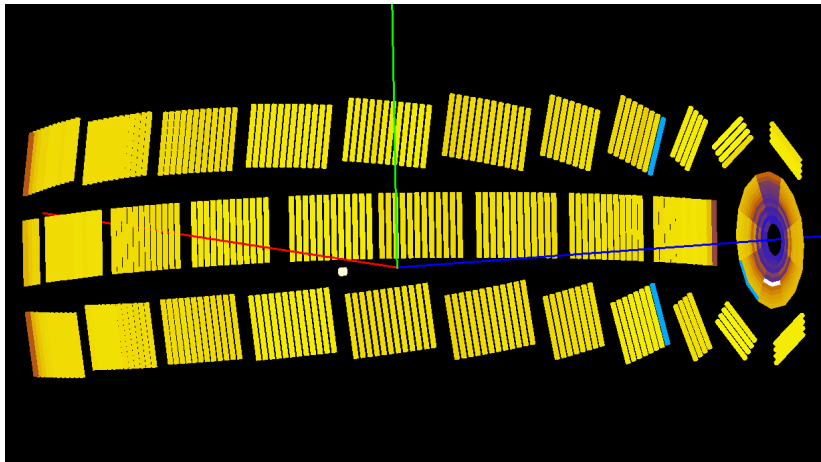
TOF workflow in Mantid

- ▶ Draft available:

`https://github.com/mantidproject/documents/blob/master/Project-Management/ILL/TOF_and_BS/Mantid_workflow_proposal.md`

- ▶ MLZ's workflow is perhaps to be the way to go.

IN4 instrument definition



- Documentation available:

[https://github.com/mantidproject/documents/
blob/master/Project-Management/ILL/
Instrument_Definitions/IN4/IN4_Geometry.md](https://github.com/mantidproject/documents/blob/master/Project-Management/ILL/Instrument_Definitions/IN4/IN4_Geometry.md)

Incident energy calibration with `GetEiMonDet`

- ▶ LAMP calibrated incident energy for IN4.
- ▶ The Mantid algorithm is basically done and there is a pull request for it.
- ▶ How to extract neutron pulse interval from the sample log?

Detector efficiency corrections

Algorithm	Per comp.	Parameters	Correction formula
A	??	$E_i, \theta, P,$??
B	no	E_i	uses muParser
C	yes	λ	uses Mantid's fit functions
D	yes	λ, θ, P, T	$\epsilon = \frac{A}{1 - e^{\frac{-\alpha P(L-2W)\lambda}{T \sin(\theta)}}}$

Algorithm	Symbol
DetectorEfficiencyCor	A
DetectorEfficiencyCorUser	B
NormaliseByDetector	C
He3TubeEfficiency	D