How to Make it Work 1

Cold commisioning
- Local mode
  - local interface
  - local slow control
- Basic tests - Expert mode
  - Pulsed mode - Mapping
  - Script for running through high voltage settings
  - Alignment
  - For commissioning
  - Every long shut-down
- Running mode monitoring
- Using neutron data
- Planned to be part of the readout electronics

How to Make it Work 2

Tools

- Image of the detector
- Pulse height summed up with coincidences
- Should be a set of well understood histograms produced on the fly
- Different histograms for cold and hot commissioning

There should be "spy" interfaces which can be inserted at every position along the chain.

Environmental parameters must be recorded, but this will be different for each detector. The list of parameters may be extensive (50-100).

Common software for local and normal running would be preferred.

Modes of Operation

- User
- Expert modes
  - Calibration
  - Local mode
  - Expert
  - Functionality

The detectors expect a storage system will exist for storing monitoring values and calibration constants.

Action Items

- Should be addressed at the readout hardware meeting 17Q1
- Once the first detector detail design occurs, these points should be considered (2018).