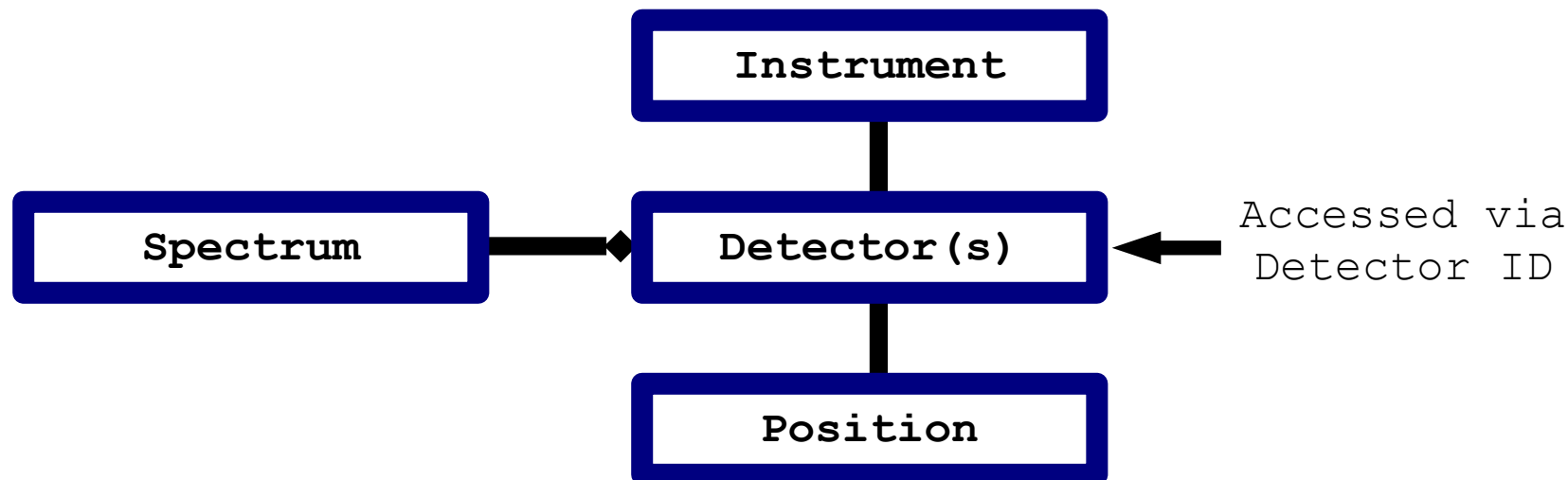


Moving Detectors – D2B

Sprint Review Meeting 20/02/2017

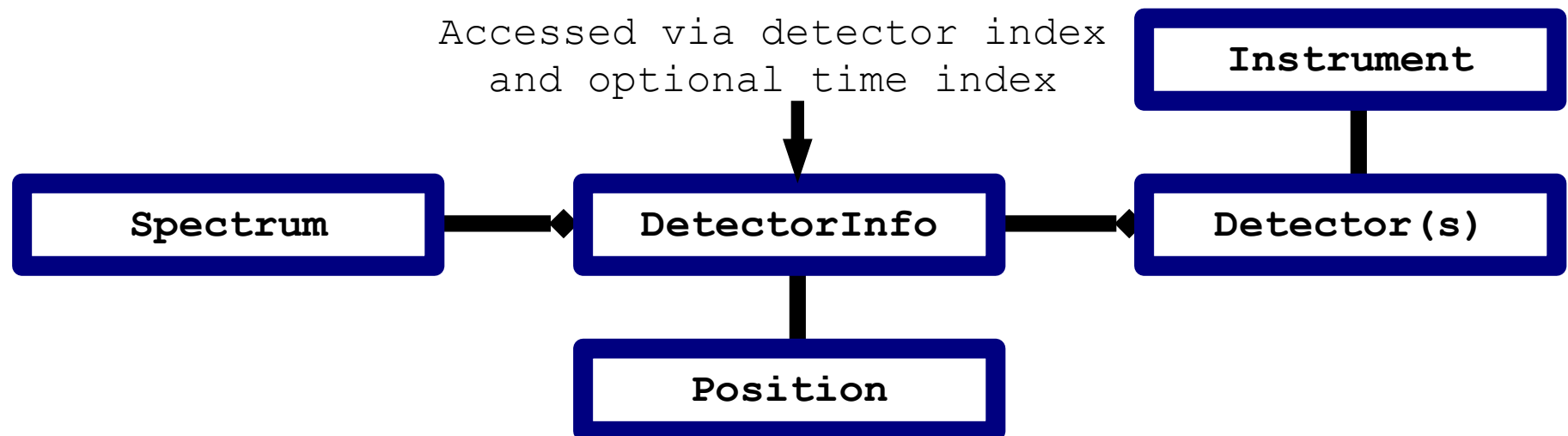
Moving Detectors Changes

- ISIS and SNS have not had a requirement for moving detectors
- ESS have started a major refactoring task for the `Instrument` module in Mantid
- Implemented part of this early to get support for scanning instrument at ILL – long term solution



Moving Detectors Changes

- ISIS and SNS have not had a requirement for moving detectors
- ESS have undertaken a major refactoring task for the `Instrument` module in Mantid
- Implemented part of this early to get support for scanning instrument at ILL – long term solution



D2B – A good test case

- D2B – High resolution so a good test for efficiency –
 - 128 tubes x 256 pixels x 25 steps = 819,200 points
- Load these into a single Mantid workspace, extending `LoadILLDiffraction`
- Can test with a full workflow for powder diffraction in the near future

Current Status

- Experimental code branch to move the positions and rotations to new layer under review
- After move to new layer some algorithms will need updating to use the time indexed access – but most will not
- Support for saving and loading the Mantid NeXus files using the new layers will be required