

# 1D/2D general scan GUI - Image Viewer

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- 1D/2D general scan GUI
- ImageViewer:
  - Current Situation
  - Requirements
  - Possible solutions



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# 1D/2D general Scan GUI

Display of 1D and 2D channels during scans

- Current situation:
  - 1D/2D data are not generally passed to Sardana (speed problem)
  - access to data via own Tango Device outside Sardana
  - 1D displayed via Taurus
  - 2D displayed via different GUIs but not satisfying users requests

General strategy for access 1D/2D data from Sardana ?



# Image Viewer: current situation

Experiment/Beamline independent solutions

- Taurus ImageViewer
- ATK Panel
- Different softwards opening stored image files

*A general GUI with missed functionalities is required*



# Image Viewer: requirements

General ImagViewer for all detectors

- Live display of images
- Move motors to clicked points
- Make a cut (2D  $\rightarrow$  1D)
- Radial integration
- Create a RoI and feed it in the Measurement Group



# Image Viewer: possible solutions

General ImageViewer for all detectors

- General interface :
  - control all detectors via Lima
  - customized readout depending on detector
- Requested features:
  - add them to current Taurus ImageViewer

