

POSITION-BASED CONTINUOUS ENERGY SCAN STATUS AT MAX IV

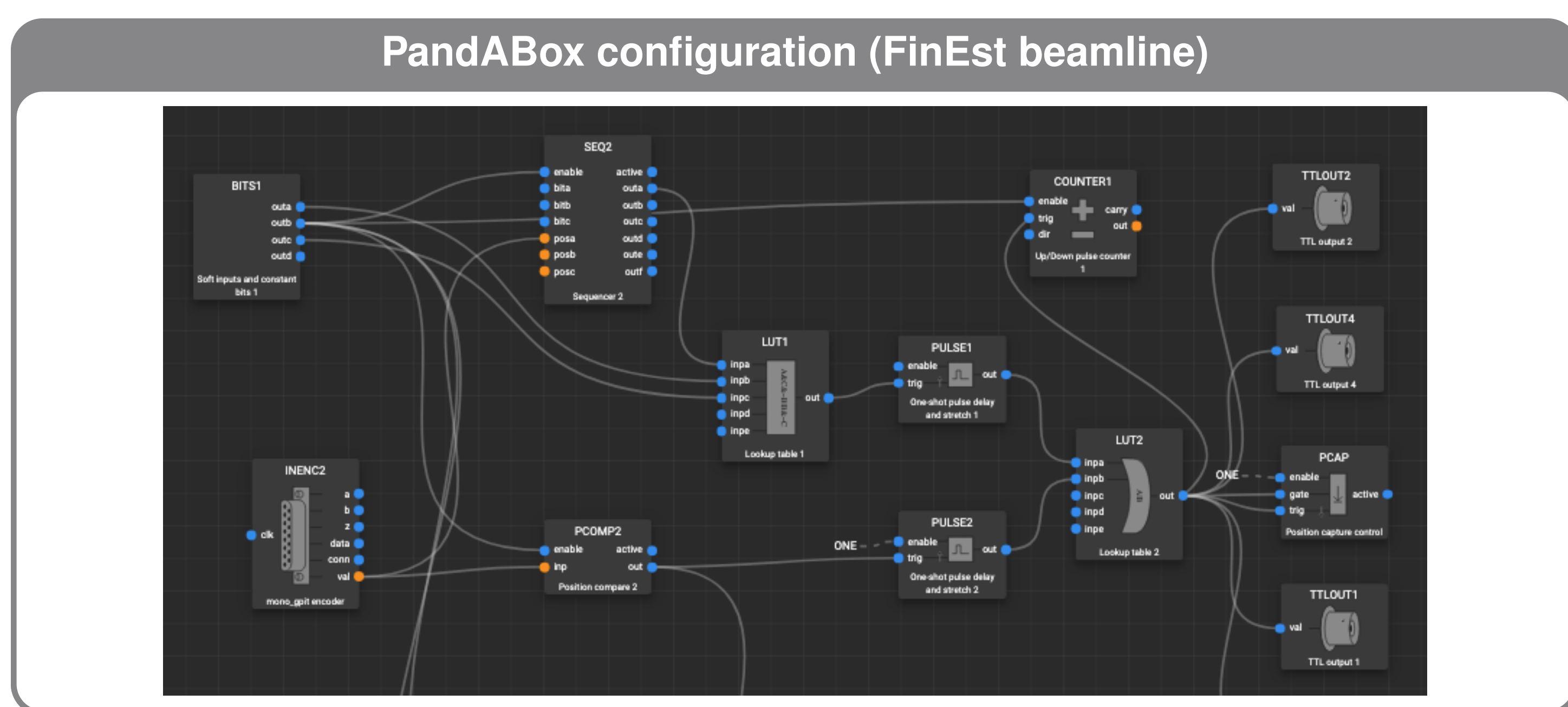
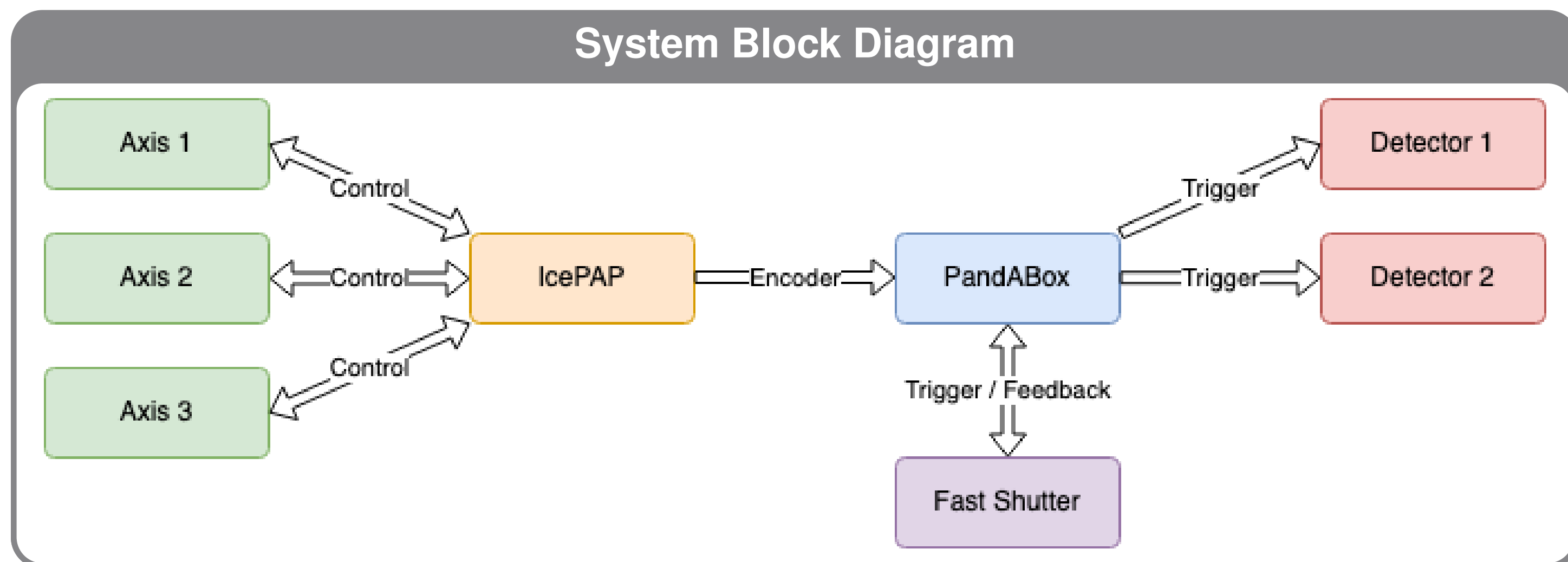
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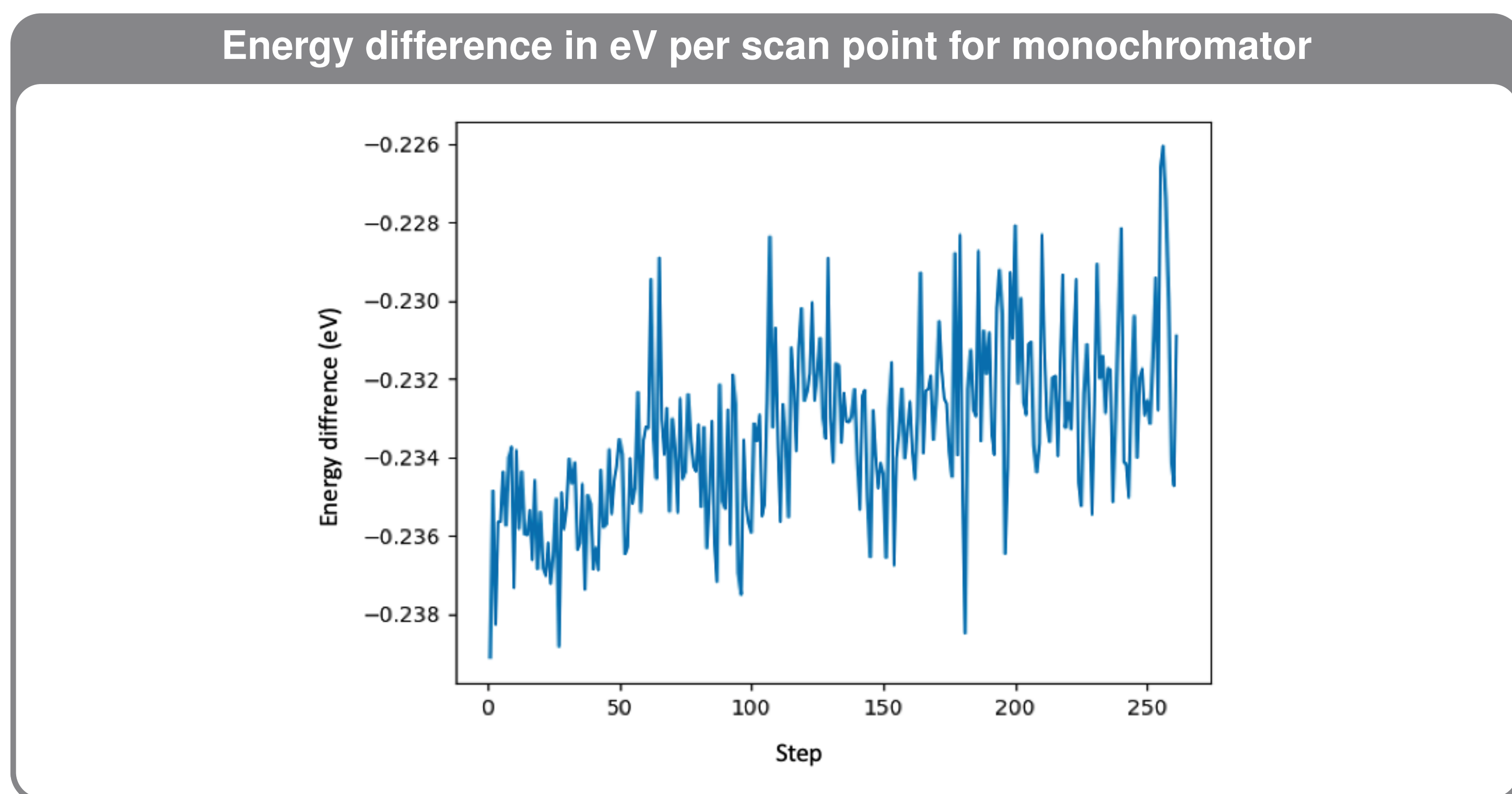
SYSTEM

- TANGO control system and Sardana for scan orchestration;
- IcePAP parametric trajectories for non-linear motion and axes synchronization;
- PandaABox schema for position- or time-based triggering;



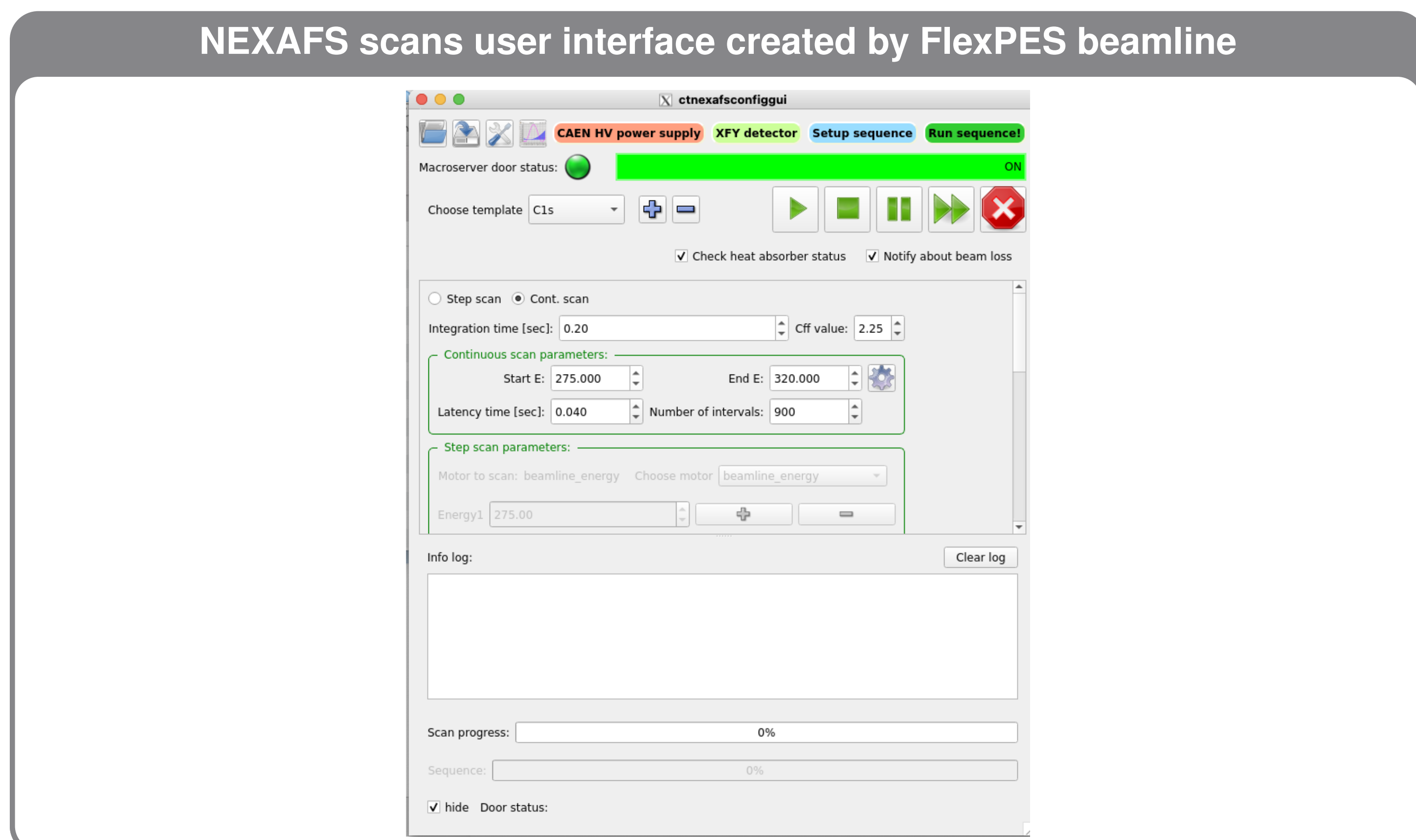
DIAGNOSTICS

Each component is exposed to TANGO and all data are streamed for live view;



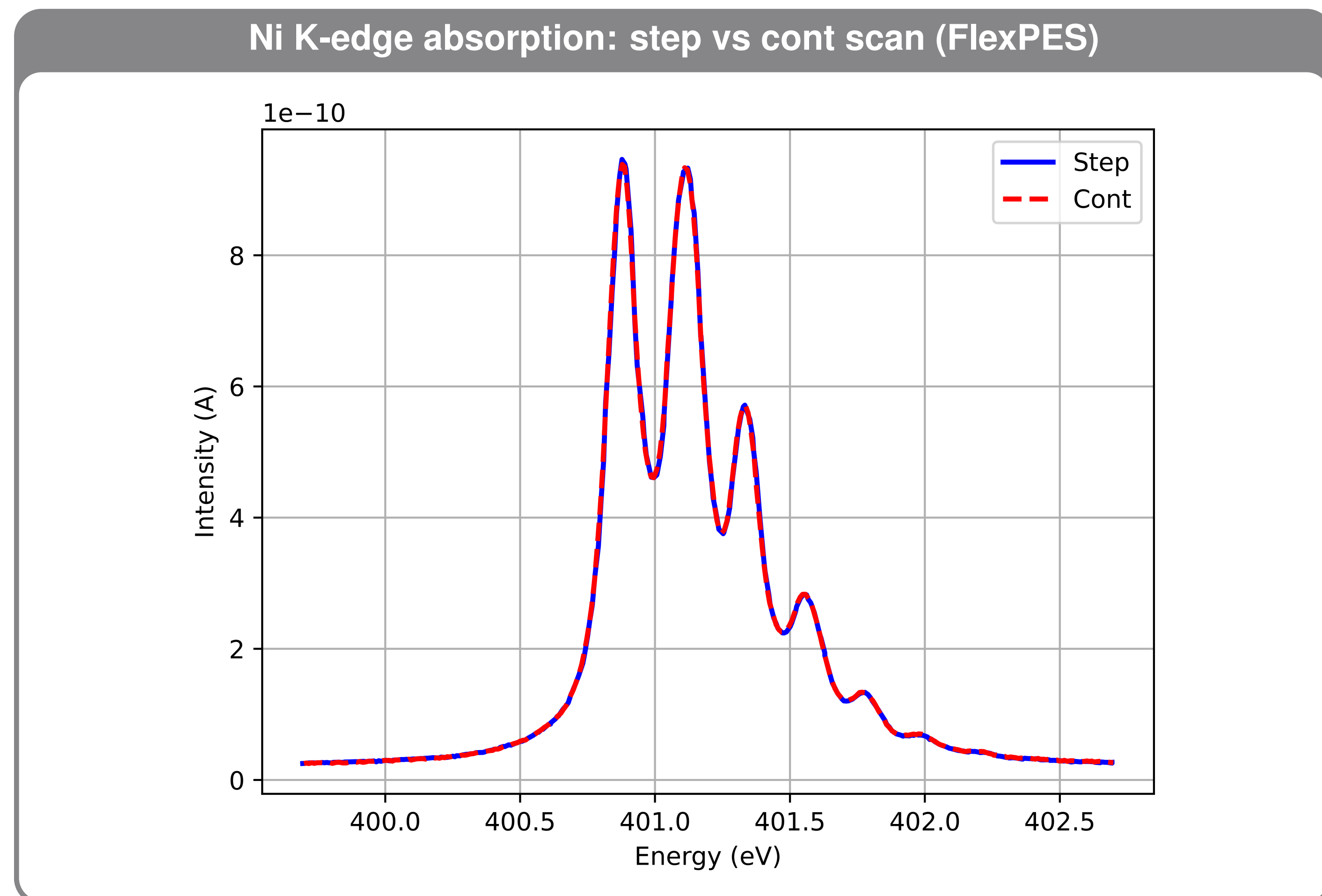
USER INTERFACE

Each beamline can easily integrate their energy scan system with their user experimental interface:



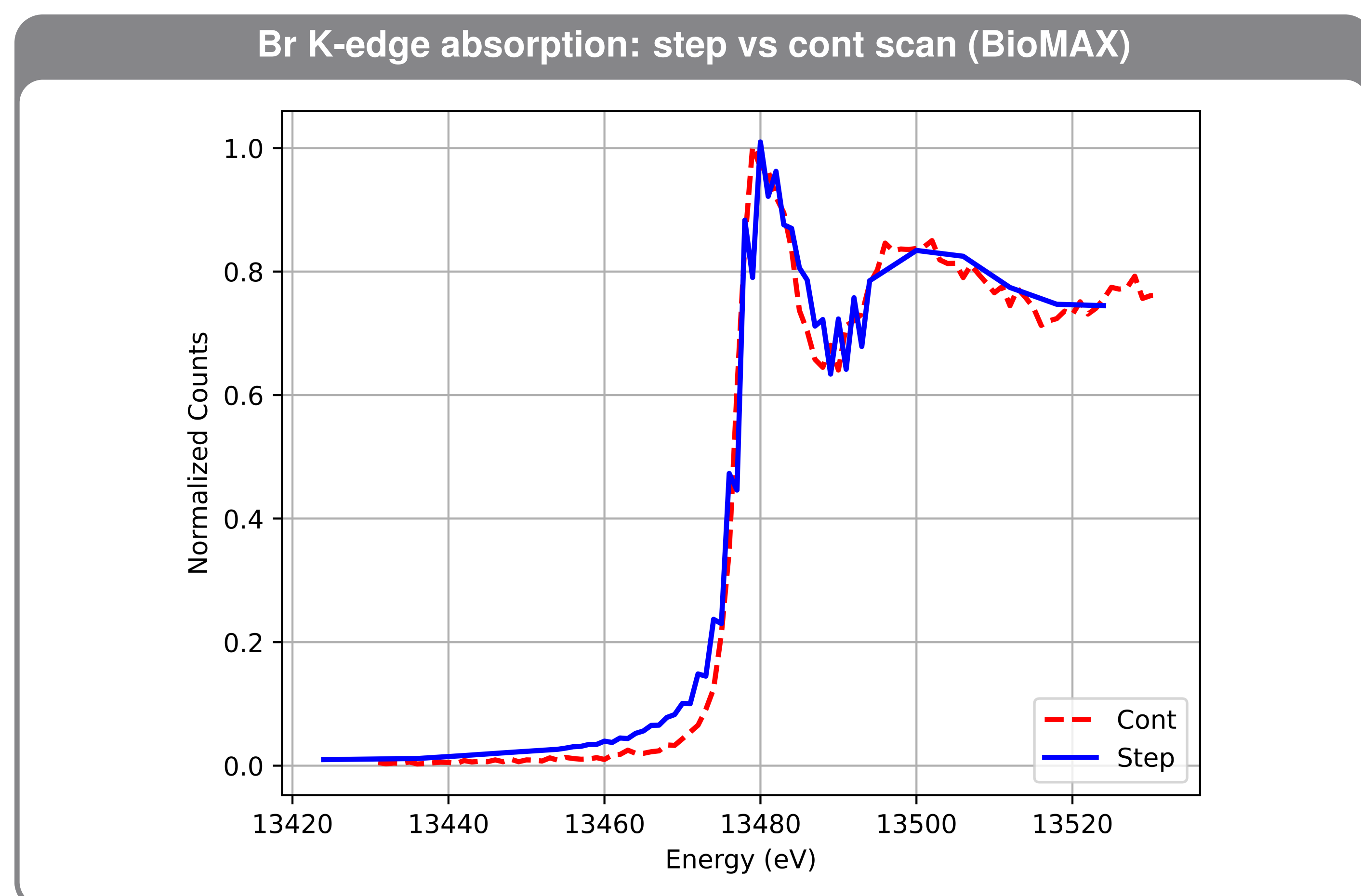
FLEXPES BEAMLINE

- Planar undulator in linear trajectory;
- PGM monochromator with IcePAP parametric trajectory;



BIOMAX BEAMLINE

- In-vacuum undulator in linear trajectory;
- Horizontal double crystal monochromator (HDCM) in linear trajectory;
- Fast Shutter synchronization;



FINEST BEAMLINE

- APPLE-II type undulator with inclined polarization in linear trajectory;
- PGM monochromator with IcePAP parametric trajectory;

