

PSI Center for Scientific Computing,
Theory and Data

EIDO Update

22 July 2024

SLS

Core improvements

- BEC database integration
 - Significantly improved the documentation
 - Improved configuration for logging
-

Deployment

- 6 server/client VM pairs deployed as tests*

**thanks to Ivan, Borys, Ivano, Leo and Simon*

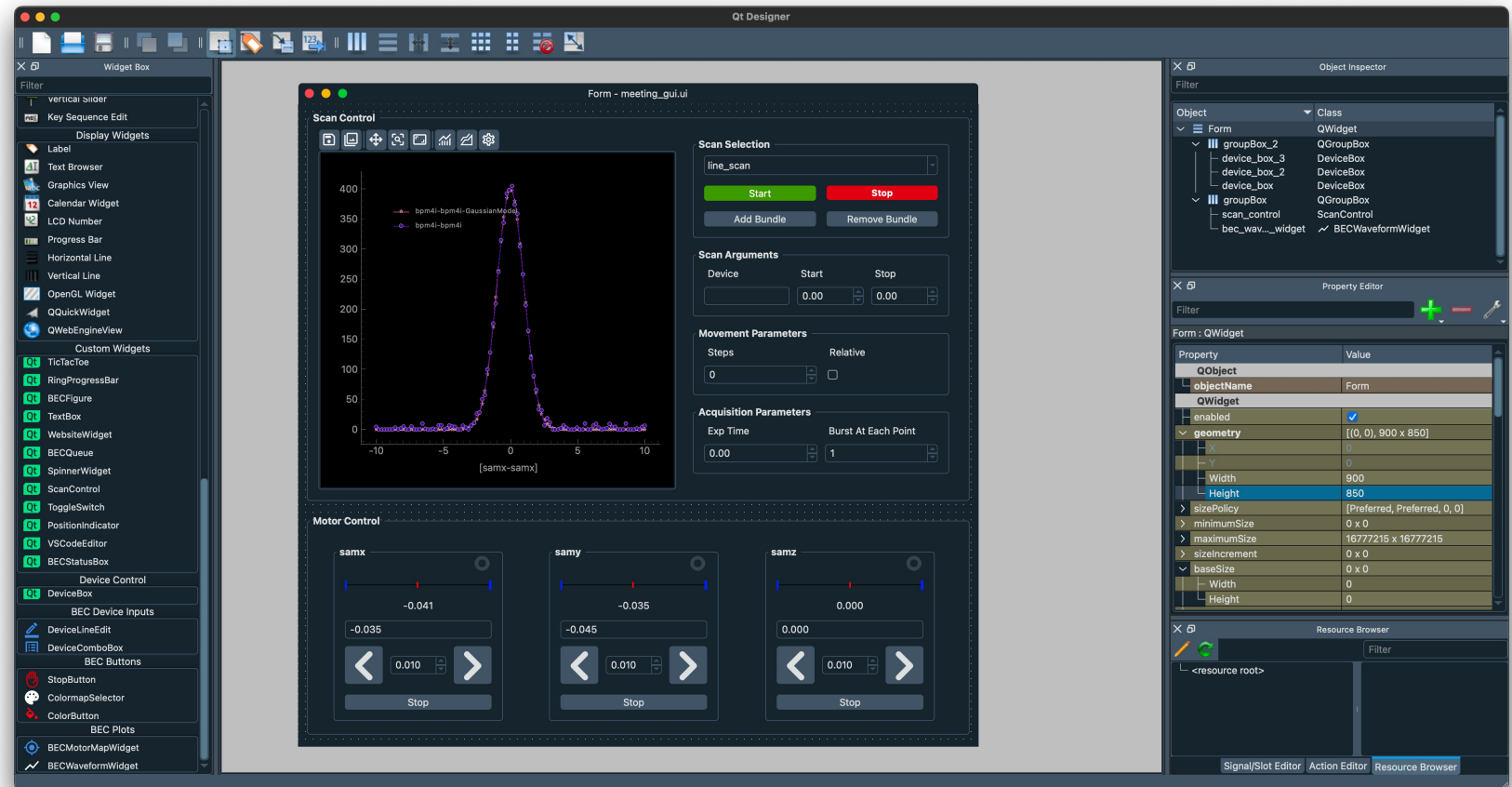
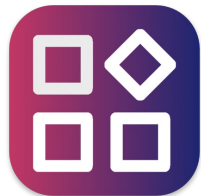
Rollout progress

7 beamlines currently in progress

- **cSAXS:** JungfrauJoch integration scheduled for mid-August. Mirko continues with OMNY.
- **TOMCAT:** Christian & Federica work with simulations and develop their own scans.
- **PX:** Zac has received initial BEC training.
- **DEBYE:** Bragg-Mono integrated in ophyd with first scan running. Waiting for controls for NIDAQ integration.
- **PHOENIX/MicroXAS:** *Fly-Scanning focus group* → waiting for scheduling of first tests.
- **SIM:** Waiting for device integration from controls.

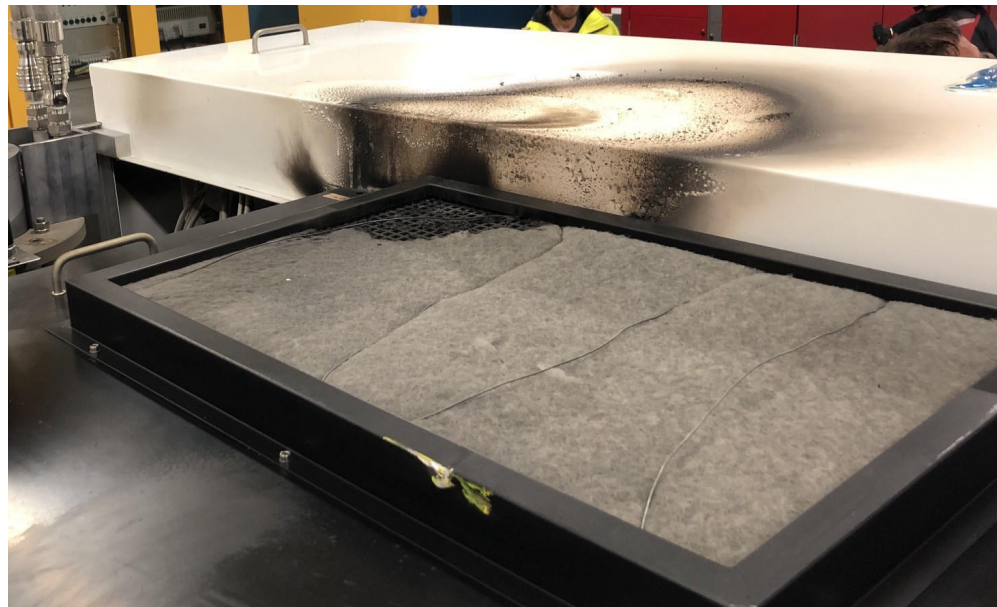
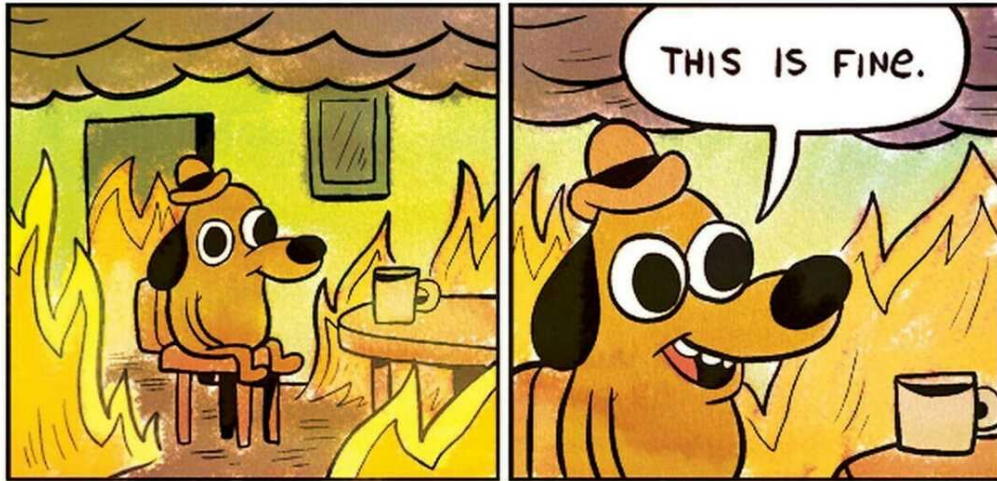
BEC Widget

- 20 Custom BEC widgets implemented directly into QtDesigner
- New widgets are registered automatically into QtDesigner
- Facilitates GUI development by BL scientists



SwissFEL

Unplanned early shutdown...



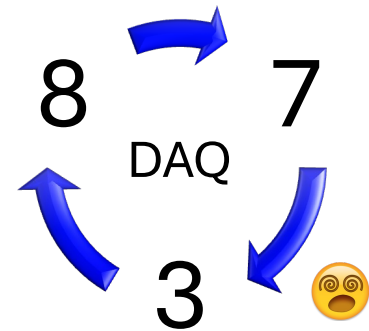
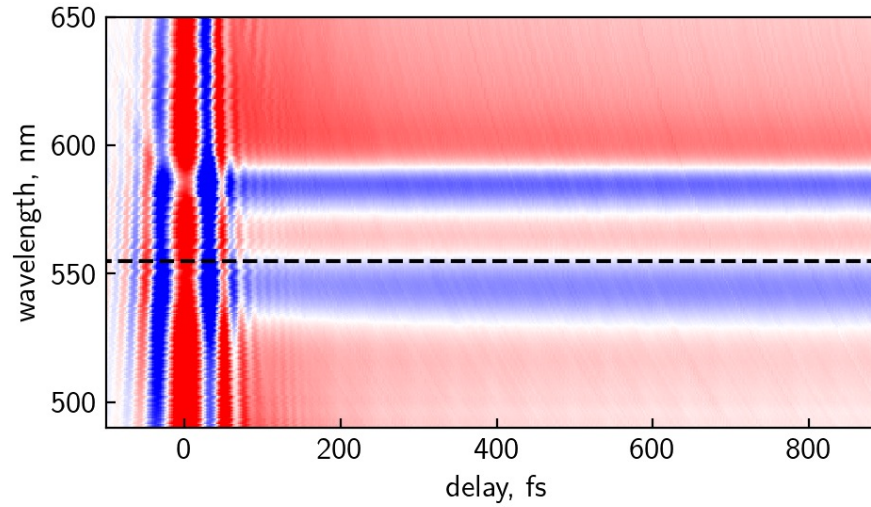
Photos: Thomas Schietinger and Marco Pedrozzi

Some time for ...

- Optical laser measurements
- DAQ machine re-arrangements
- Jungfraujoch @ Cristallina
- Preparation everywhere...

with Alvise, Filip, Greta, John, Leo, Martin, Philip, ... 😊

Transient absorption measurement of myoglobin following optical excitation.



CrMX config. with JFJ

