

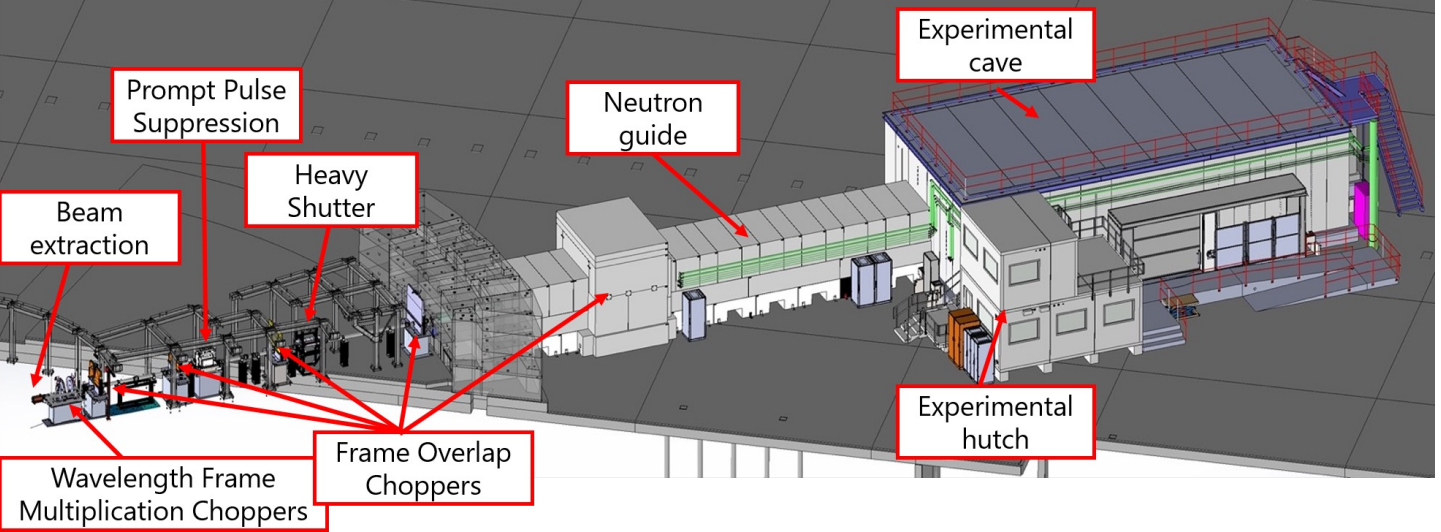


EUROPEAN
SPALLATION
SOURCE



ODIN, DMSC

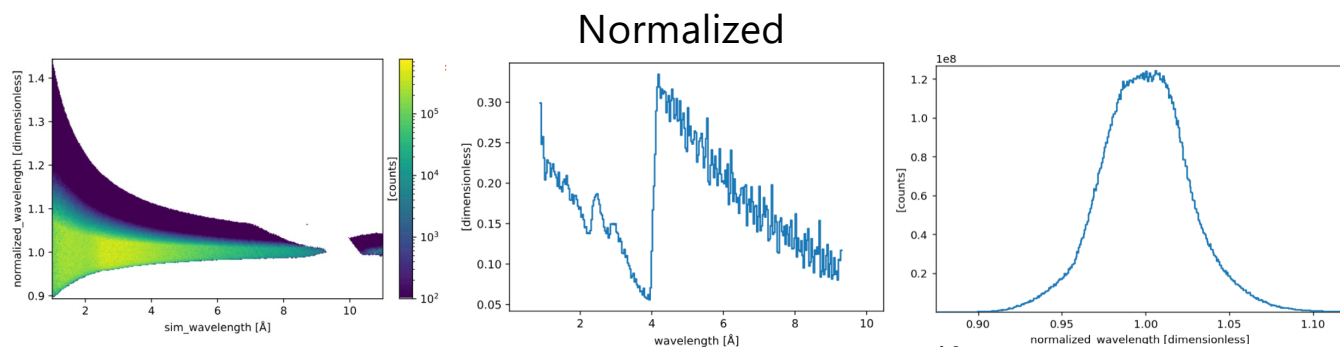
SØREN SCHMIDT
2025-09-25



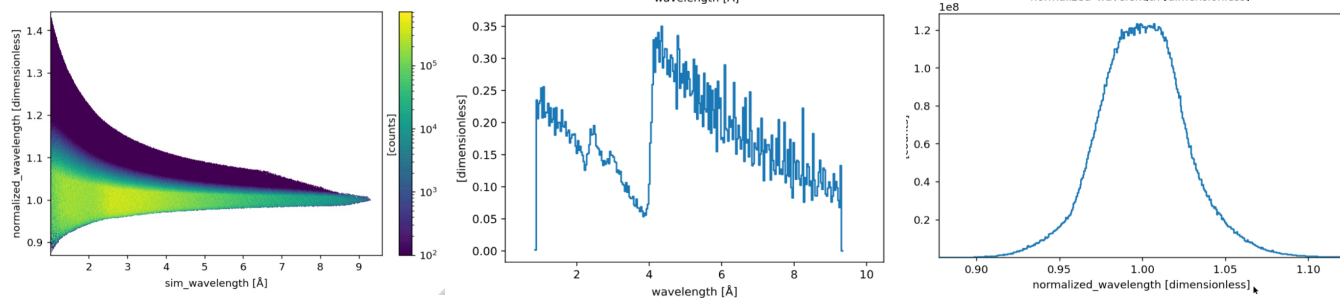
Bragg Edge, Fe, transmission, McStas



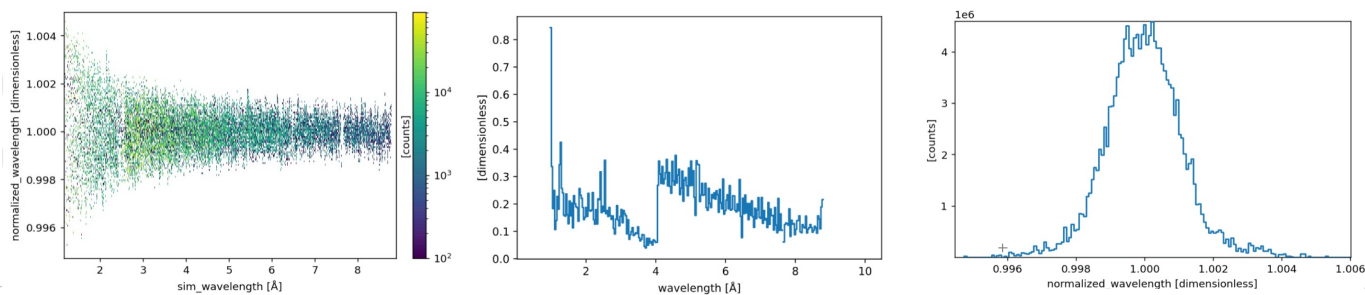
T0



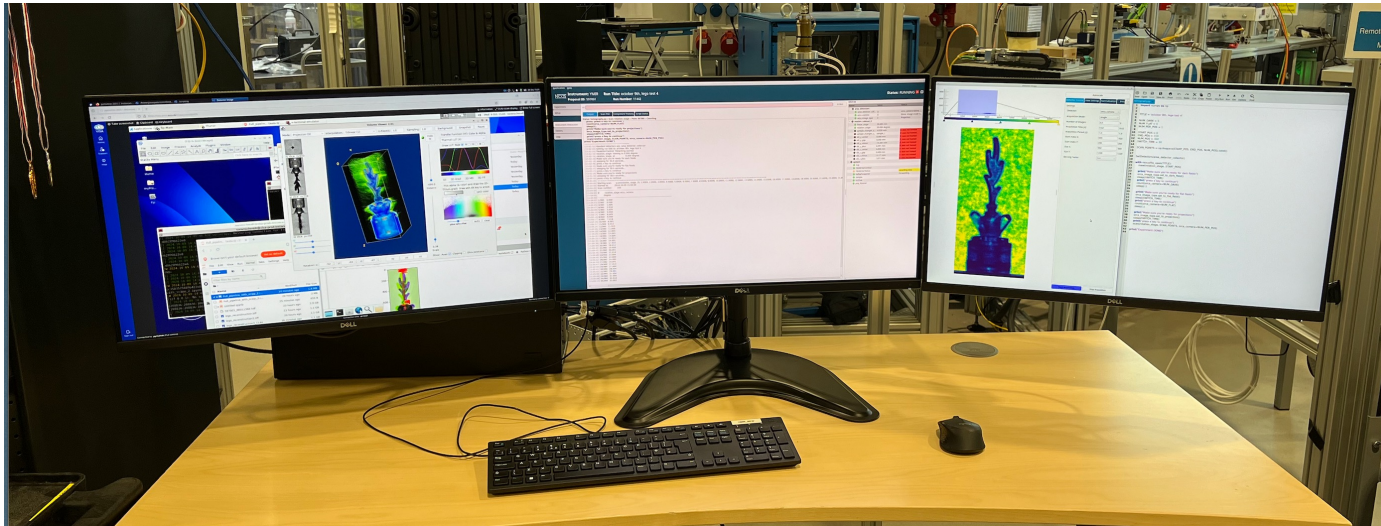
T0+BPC



WFM



YMIR, Oct 2024



- Data acquisition at YMIR using ORCA & NICOS: OB, DF & Sample
- Data reduction & reconstruction in notebook (pymuhrec bindings) on VISA
- Visualization of reconstruction: Fiji (ImageJ) on VISA
- Raw and derived data archived in SciCat
- Data acquired for both step-by-step and continuous sample rotation (automatically handled by scipp)

Live view – McStas data

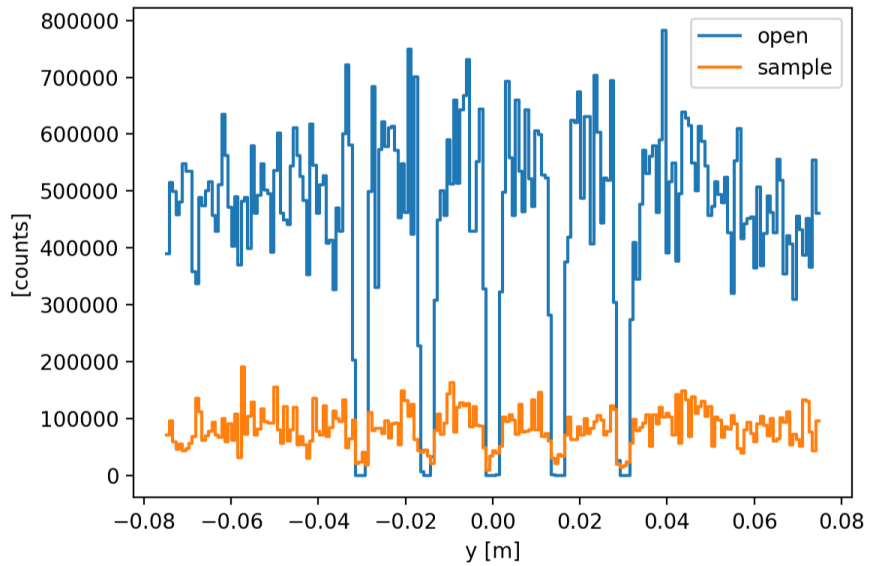
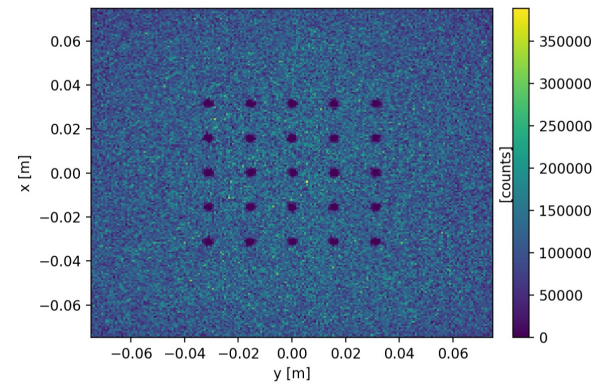


A screenshot of a web browser displaying the 'ODIN – Live Data' application. The browser's address bar shows 'localhost:5009'. The application has a blue header bar with the title 'ODIN – Live Data' and a refresh icon. On the left, a 'Data Reduction' sidebar contains a 'Workflow' dropdown menu with the text '--- Click to select a workflow ---', a description 'Select a workflow to see its description', and a 'Configure & Start' button. The main content area has three tabs: 'Jobs', 'Create Plot', and 'Plots'. The 'Jobs' tab is active, showing a 'Job Status' section with buttons for 'Select All', 'Select None', and 'Invert', followed by 'Reset Selected' and 'Stop Selected'. The 'Jobs' tab content area is currently empty.

BB measurements

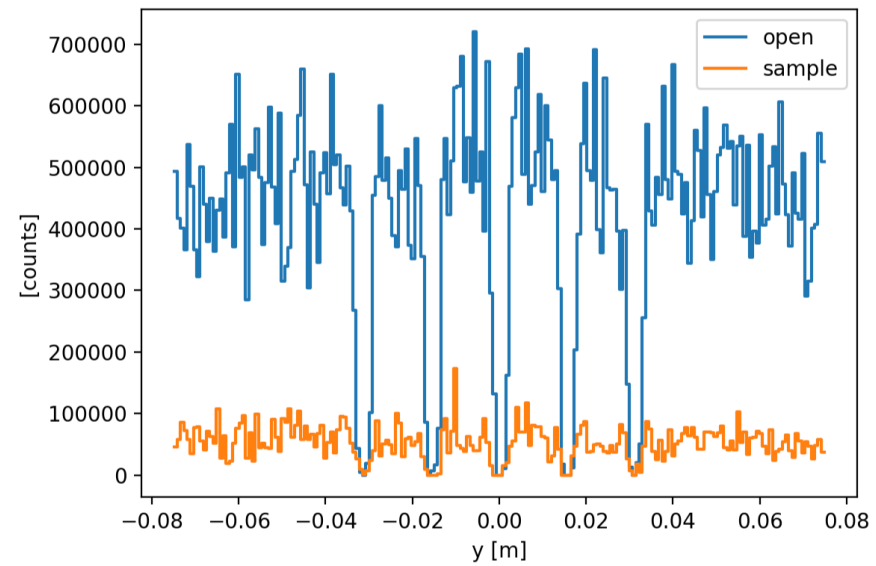


McStas, Fe sample



5 cm

Detector – sample distance



50 cm

Two main modalities at ODIN



- Attenuation tomography
- Bragg edge fitting

SAR



- Lumacam
- Choppers
- ORCA