Contribution ID: **41** Type: **Poster**

Enabling PALSA synchrotron users through a unique collaboration: the MAPLE project

Thursday, July 13, 2023 3:30 PM (1 hour)

Phosphorus (P) and sulfur (S) are some of the essential elements for agriculture and environmental sciences research. The VLS-PGM beamline at the Canadian Light Source (CLS) is one of the few beamlines in the Americas that is built to optimize the delivered flux below 250eV, to access the L-edges of those elements. The beamline endstation has also been improved to perform XANES measurements over the Boron K-edge, and P and S L-edges by the use of a recently commissioned silicon drift detector (SDD) for partial fluorescence yield (PLY), a multichannel plate detector (MCP) for total fluorescence yield (FLY) and total electron yield (TEY). Micro image capability is presently under commissioning.
The CLS has recently started a collaboration, the MAPLE project, which provide to the Sirius Users access to the VLS-PGM beamline through a rapid mechanism. The capabilities of the beamline and the potential use of this beamline for CHESS users are highlighted in this poster with relevant examples.

Primary author: Dr ZUIN, Lucia (Canadian Light Source)

Co-authors: Dr KARUNAKARAN, Chithra (CLS); Prof. BOTTON, Gianluigi (CLS)

Presenter: Dr ZUIN, Lucia (Canadian Light Source)

Session Classification: Poster Session 2

Track Classification: Poster Session