

## Research Agenda for Improving ICS-based Compact Light Source Technology

*Tuesday, 10 October 2023 15:10 (20 minutes)*

This contribution is based on the expertise of Lyncean. We give an overview of the landscape, and consider a “best” design for a CW ICS source. From here we project to what a next generation ICS source may look like, and where this is best suited in the X-ray source landscape. A partnership of established X-ray labs, instrument designers and African research institutions could share the development costs as a science project - and novel features could be introduced to optimise the capacity of such a next generation source.

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