

## Surrogate sample preparation with neutron irradiation

*Wednesday 21 May 2025 13:30 (45 minutes)*

Well-characterized neutron irradiation is an indispensable tool in the quest to understand characteristic defects produced in minerals by coherent elastic neutrino-nucleus scattering and hypothetical dark matter particles. This talk will introduce and discuss opportunities for high-fidelity, quantifiable, and repeatable neutron irradiations at a wide range of energy scales. Practical sources accessible to this research program will be discussed, along with supporting simulations and protocols for their use.

### Do you plan to give the talk in person?

Yes

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