

## Nuclear Data for the Next Decade



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### Cross sections and nuclear data measurements measurements with the SCONE detector

*lundi 9 mars 2026 15:00 (25 minutes)*

The SCONE device is a new large volume detector with many capabilities. After its description we will describe how it can be used to measure (n,xn) reactions cross sections. A first experiment has been performed at NFS with a multiplate fission chamber. Results obtained on the neutron induced fission on uranium 238 will be presented. I will conclude with the presentation of the foreseen program at NFS.

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**Classification de Session:** Setup for Cross-Sections

**Classification de thématique:** Challenges of Nuclear Data: Experiments for Nuclear Data