

## Scientific Workshop on nu-Ball2 2024 - Reports from the last campaign and prospects for future experiments



ID de Contribution: 16

Type: Non spécifié

### Characterization of the de-excitation path of fission fragments during the spontaneous fission of $^{252}\text{Cf}$

*jeudi 4 juillet 2024 12:00 (30 minutes)*

The experiment N-SI-125 aimed at characterizing the de-excitation path of fission fragments during the spontaneous fission of  $^{252}\text{Cf}$  by correlating measurement of prompt neutron and gammas and the fission fragment kinematics. For N-SI-125, an ionization chamber containing a  $^{252}\text{Cf}$  source was coupled to nu-Ball2 (PARIS geometry) enabling the reconstruction of the kinematics properties of the fission products. The preliminary results from the ongoing data analysis (trace analysis, calibrations, event reconstruction, ...) will be presented.

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**Classification de Session:** Reports on the experiments - SECOND SESSION