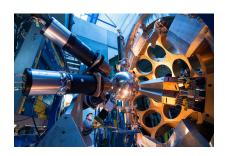
## The 25th AGATA week and ACC Meeting



ID de Contribution: 62 Type: Non spécifié

## (online) Report on the AGATA experiment number 24.027

mardi 16 septembre 2025 14:20 (20 minutes)

Inverse beta decay (IBD) is a crucial process historically employed to study neutrinos. For example, discrepancies between measured and expected IBD rates on ( $^{71}$ Ga), the so-called *gallium anomaly*, suggest the possible existence of sterile neutrinos. A recent publication showed that the poorly known associated Nuclear Matrix Element (NME) can be extracted measuring the decay width from the Isobaric Analog State (IAS) in ( $^{71}$ Ge). In this talk, I will present the preliminary results from the experiment 24.027 carried out in February 2025 and aimed at studying the feasibility of this measurement.

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