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## Neutrino physics from gamma-ray spectroscopy

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Nuclear matrix elements (NMEs) are crucial for understanding weak interaction processes such as inverse beta decay (IBD) and neutrinoless double-beta decay ( $0\nu\beta\beta$ ), which provide insights into neutrino properties and physics beyond the Standard Model. A novel experimental approach aims to extract NMEs using electromagnetic (EM) transitions from isobaric analog states (IAS). In this talk, I will present the feasibility of a dedicated campaign, envisioned to take place at the Laboratori Nazionali di Legnaro in the near future.

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