

Study of nucleosynthesis processes with ISOLTRAP

Mittwoch, 20. August 2025 15:30 (1 h 30m)

In this poster, I will present the work that revolves around nuclear mass measurements methods of exotic nuclei with the ISOLTRAP experiment at CERN. You will find the astrophysical motivations for mass measurements in two extremes of the nuclear chart near the magic proton number $Z = 50$. To reach these areas, there are some technical challenges that we have to face. In this context, I will additionally present the different ongoing developments made to overcome some of these issues, mainly contaminations, and low yield cases.

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Sitzung Einordnung: Poster Session