

## Preparation, test and commissioning of a molten salt target for noble gases production

A molten NaF-ZrF<sub>4</sub> salt target is produced and tested this year at ISOLDE aiming at collecting data in view of the production of the required rates of <sup>18</sup>Ne for the beta beams project[1,2]. The details related to the design of units suited for molten salt target operation are introduced. The release properties of NaF-ZrF<sub>4</sub> associated to a VADIS ion-source are presented. The production, release of gaseous and volatile elements is discussed for F, Ne and Na isotopes.

### References:

- [1] M. Benedikt et al., 'Conceptual design report for a Beta-Beam facility', Eur. Phys. J. A 47, 24 (2011)
- [2] T. Stora, Proceedings of the workshop European 'Strategy for Future Neutrino Physics', Geneva 2009, CERN-2010-003, 110

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