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

A molten NaF-ZrF4 salt target is produced and tested this year at ISOLDE aiming at collecting data in view of the production of the required rates of 18Ne 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-ZrF4 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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