

Task 3.1

PI: Roberta Spartà (INFN)

Participants:

UoC (GER) CNRS (FRA) ATOMKI (HUN) INFN, UKE, UniPD (ITA) IFIN-HH (ROM)

European target labs know-how to

- o develop
- test (to follow their stability under beam bombardment)
- make protocols
 of special solid targets required for the experimental study of nuclear reactions
 of astrophysical interest



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GOAL 2: noble gases targets He and Ne (cannot create solid compounds) implanted into a host material key reactions for s-process nucleosynthesis in evolved stars.



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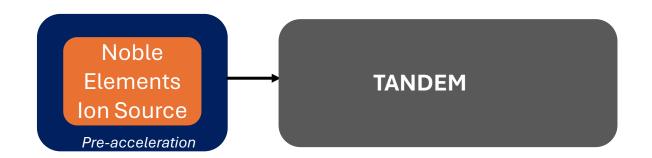
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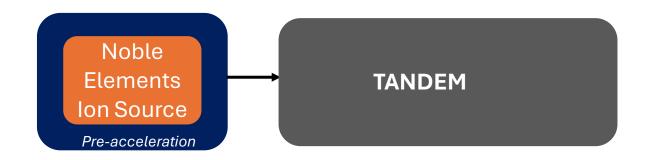
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- POT-LNS work in progress
- Implantation feasibility studies
- Easy RBS

AsFiN2 ²²Ne(α,n)²⁵Mg Users interested in it? ChETEC-INFRA ends in 2025 ChETEC->LNS