

ActILab WP8 kick-off meeting FP7- ENSAR

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Target and Ion Source Development
(EN-STI) - ISOLDE

Project task break-down

Task 1: Synthesis of new actinide targets (CERN, INFN, IPNO)

- **Subtask 1:** Sol-gel synthesis in complex fluids (“Chimie douce”)
- **Subtask 2:** Nanostructures

Task 2: Characterization of actinide targets (CERN, INFN)

- **Subtask 1:** Microstructure, porosity, specific surface, crystalline phase
- **Subtask 2:** Emissivity, thermal conductivity at high temperature

➤ **Task 3: Actinide targets properties after irradiation (CERN, PSI)**

- **Subtask 1:** Post-irradiation examination of target prototypes

➤ **Task 4: Online tests of actinide targets (CERN, GANIL, IPNO)**

- **Subtask 1:** Impact of pulse time structure on release and ageing properties
- **Subtask 2:** Analysis of the results-effusion and diffusion phenomena

Deliverables

***D-JRA02-1 : Novel synthesis of actinide targets – prototype
month 41 (Feb 2014)***

***D-JRA02-2 : Characterization of new actinide targets – report
month 41 (Feb 2014)***

***D-JRA02-3 : Characterization of irradiated materials in hot cell –
report - month 46 (Jun 2014)***

***D-JRA02-4 : Isotope release properties and modelling – report
month 46 (Jun 2014)***

Few items

ENSAR started on 1st Sept 2010, will finish Aug 2014

I need to select a WP deputy coordinator

I need to report on people hired on the project, time share. Idem for main investments.

1st General assembly May-June 2011 near GSI

CERN will have 1 year long shutdown of accelerator complex in 2012 or 2013. Discussed next week, official decision to be announced in June.

Need to draft a Lol to INTC for beam time ASAP.

Next meeting: where, when

Budget share from EU

CERN: 113 kEuros

GANIL: 38 kEuros

INFN: 72 kEuros

IPNO: 55 kEuros

PSI: 58 kEuros