

First developments on the CACAO laboratory  
(Chimie des Actinides et Cibles radioactive à Orsay)

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CACAO, the French laboratory dedicated to manufacture and characterization of radioactive thin layers, has been inaugurated in July 2013.

I will present:

Different aspects of the manufacture of radioactive targets and first developments will be presented:  $^{239}\text{Pu}$  on a cup,  $^{238}\text{U}$  double sided targets as well as the ACTIV project. This last consists to characterize radioactive surfaces by ion beam analysis and SEM, in order to address chemical composition and to analyze morphology of surface.

First studies related to the confinement of the radioactive matter and dedicated to the feasibility of the project will be presented.