

## **An overview of actinide target production at ISOLDE**

Richard Catherall and the ISOLDE collaboration

*CERN, ISOLDE, CH-1211 Geneva 23, Switzerland*

For over thirty years, actinide targets have been used for the production of radioactive ion beams (RIB) at ISOLDE, CERN and at present, the production of twelve uranium carbide targets per year represents almost half of the total target production. To continue actinide production, ISOLDE has aligned itself with Swiss legislation and confines all its actinide activities to the recently built Class A type laboratory. This talk will develop the requirements for a Class A laboratory and review the present actinide production status. New developments in target design and issues related to future projects such as HIE-ISOLDE and EURISOL will also be covered.