

Francium trapping

E. MARIOTTI

Università di Siena

The apparatus for the production and trapping of francium is briefly described together with the results we have obtained in trapping of 209, 210, 211 Francium isotopes.

The new results about Light Induced Atom Desorption (LIAD) effect on Rb atoms from cell walls and Y neutralizer surface, evidence of LIAD on Fr atoms, the effectiveness of our trap populationtransfer detection method and the preliminary measurements on Fr trap are reported.