DÃ©partement de Physique NuclÃ©aire
SÉMINAIRE

******

Lundi 06/05/2019, 13:30-14:30

CEA Saclay, Orme des Merisiers Bat 703, p 45

A high-power liquid-lithium target for accelerator-based neutron production

Michael Paul

Racah Institute of Physics, Hebrew University, Jerusalem, Israel

The high-power liquid-lithium target LiLiT is bombarded by a kW-proton beam from the superconducting linear accelerator SARAF to produce 30 keV quasi-Maxwellian neutrons. We measure the cross section of astrophysical neutron capture reactions in the s-process regime by activation and various means of decay and atom counting. The LiLiT concept is considered also for application in neutron radiotherapy. The status of our activity in these areas will be presented.

Le cafe sera servi 10 minutes avant
Contact : loic.thulliez@cea.fr - Tel : +33 1 69 08 74 53
http://irfu.cea.fr/dphn/Phocea/Vie_des_labos/Seminaires/index.php