

BEAM REQUEST at Bucharest TANDEM

Experiment Title

Experimental Cross Sections for proton induced reactions on ^{147}Sm and ^{149}Sm

Complementary study: Measurements of the ratio between the cross sections of $^{147,149}\text{Sm}(p,\gamma)^{148,150}\text{Eu}$ and $^{148,150}\text{Sm}(p,n)^{148,150}\text{Eu}$ reactions

Experiment Responsible:

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Beam time request (unit=8 hours) 30 units

Desired Period: spring 2014

Desired beam properties :

Type: p

Energy(MeV): 6 - 10

Intensity (p/nA): 300

Vacuum Requests: 10^{-6}

Minimal information needed for the radiological risk evaluation :

a)Source activity:-

b)Use of open sources: No

c)Estimate of the residual activity as a result of irradiation: -

d)Means of storage/transportation for irradiated targets: -