

Determination of Target Thicknesses used on The GNEIS Time-Of-Flight Spectrometer

This paper presents a method for determining the number of atoms of specific isotopes present in targets used in the GNEIS time-of-flight spectrometry system when measuring the angular distribution of fragments and the fission cross section. This method is based on determining the total number of alpha particles emitted by a target using surface barrier detectors in a well-defined geometry.

Section

Experimental and theoretical studies of nuclear reactions

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