Contribution ID: 180 Type: Poster

## 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

**Primary authors:** GAGARSKI, A. M. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia); VOROBYEV, A. S. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia); TIAGELSKAIA, A.M. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia); OLKHOVICH, N.M. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia); SHCHERBAKOV, O. A. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia)

**Presenters:** TIAGELSKAIA, A.M. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia); OLKHOVICH, N.M. (B. P. Konstantinov Petersburg Nuclear Physics Institute of NRC "Kurchatov Institute", Gatchina, Russia)

Session Classification: Poster session