

## Welcome to NICA days 2017 in Warsaw



Contribution ID: 103

Type: Talk

# Transmutation measurements in accelerator-driven subcritical sets - the use of threshold nuclear reaction for determining the fast neutron flux density

*Friday, 10 November 2017 15:25 (10 minutes)*

“The aim of the project was the research about neutron flux in the experimental assembly based on natural uranium and proton beam from accelerator („Quinta” experiment, 2015). To gain the knowledge about the neutron flux, a threshold reaction was used. The better knowledge about neutron flux density could be useful to constructing the fourth generation and accelerator-driven subcritical nuclear reactors.”

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**Session Classification:** Session 3; 10-nov 2017;

**Track Classification:** Student Program: SCS-2017 Slow Control System Dubna 2017