



Contribution ID: 133

Type: **Poster**

PS2-22: Generation of Neutrons by Channeling Radiation from Relativistic Electrons

Tuesday, October 7, 2014 5:00 PM (1h 30m)

We present the results of calculations of the neutron yield using CR generated by initial electrons with energies 200 - 1600. MeV (SPARC Facility, LNF) focused on Be and D targets. The comparison with other methods of generation of fast neutron beams (with neutron energy up to several MeV) is performed, especially with so called "neutron focus in the field of synchrotron radiation".

Primary author: Prof. PIVOVAROV, Yury (National Research Tomsk Polytechnic University)

Co-authors: Dr BOGDANOV, Oleg (LNF&TPU); DABAGOV, Sultan (LNF)

Presenter: Prof. PIVOVAROV, Yury (National Research Tomsk Polytechnic University)

Session Classification: PS: Poster Session