



Contribution ID: 51

Type: **Poster**

PS1-26: Influence of Beam Divergence on Form-Factor in X-Ray Diffraction Radiation

Monday, 6 October 2014 17:00 (1h 30m)

In this work the X-Ray diffraction radiation from the bunch with Gaussian distribution of the particles is considered. The expressions for coherent and incoherent form-factors are obtained with taking into account the particles moving parallel to the surface of the target at arbitrary angles to the general direction of the bunch velocity. The quantitative and qualitative changes in the spectral and angular distribution of radiation are analysed.

Primary authors: Dr TISHCHENKO, Alexey (National Research Nuclear University "MEPhI"); Ms SERGEEVA, Darya (National Research Nuclear University "MEPhI")

Co-author: Prof. STRIKHANOV, Mikhail (National Research Nuclear University "MEPhI")

Presenter: Ms SERGEEVA, Darya (National Research Nuclear University "MEPhI")

Session Classification: PS: Poster Session