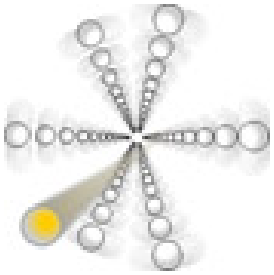

Contribution ID: **92** Type: **not specified**

Radiation Energy Loss of Relativistic Electrons at Axial and Planar Channeling in Tungsten Crystal

Thursday, 27 September 2012 10:30 (15 minutes)

The results of computer simulation of electrons axial and planar channeling in thin tungsten crystal are presented. We calculated trajectories of relativistic electrons, spatial distributions and energy loss due to channeling radiation in the framework of classical electrodynamics using the computer code, developed by authors. Calculations are performed in connection with the experimental program for future positron source experiments on SPARC facility at LNF.

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Session Classification: S2.3 Channeling Radiation & Related Phenomena

Track Classification: Channeling Radiation & Related Phenomena