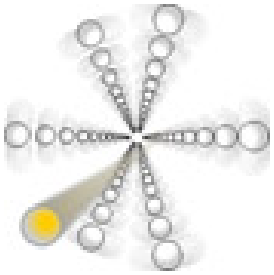

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# Orientation Dependence of Energy Loss of Relativistic Electrons and Positrons by Channeling Radiation in Thin Si Crystal

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Here, we carry out computer simulation of radiation energy loss of the 255MeV electrons and positrons at <100> axial and (100) planar channeling in 20 μm silicon crystal taking into account the angular divergence of the initial electron beam, using computer code BCM-1. The possibility to align thin crystals using the orientation dependence of channeling radiation energy loss is discussed.

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