

Channeling 2018



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Partially Coherent Short-Wave Radiation of an Electron Bunch with Natural Asymmetric Distribution

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The possibility of generating coherent THz radiation from an electron bunch with a weak asymmetry in the distribution as a result of grouping of electrons is considered. It is shown that the partially coherent THz radiation is generated in a wiggler from such electron bunch with energy of 50 MeV.

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