Contribution ID: **172** Type: **Oral**

INITIAL STAGE OF THE WAKE WAVE EXCITATION BY THE SEQUENCE OF SHORT RELATIVISTIC ELECTRON BUNCHES

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Abstract

Simulation of the initial stage of the wake wave excitation by non-resonant and resonant sequences of the relativistic electron bunches in the homogeneous was carried out. For non-resonant case the electromagnetic field spectrum contains the components corresponding to the bunches‘ field and wake wave. Substantial grows of the wake wave takes place in the resonant case.

Type of Book of Abstracts

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Session Classification: Plasma Physics

Track Classification: Plasma Physics