

Abstract Submitted
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Stochastic heating of electrons by intense laser radiation in the presence of electrostatic potential well¹ SERGEI KRASHENINNIKOV, UCSD
— Previous model used for the study of synergistic effects of electrostatic potential well and laser radiation where electric field in electrostatic potential was slowing down electrons moving in the direction of the laser field propagation, is extended for the opposite case, where electric field of the well is accelerating electrons moving in the direction of the laser field propagation. It was found that in both cases the rate of stochastic heating of energetic electrons remains virtually the same.

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