

Modeling of x-ray bremsstrahlung generation under vacuum heating of solid target electrons

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A model is developed that makes it possible to diagnose the Brunel mechanism of collisionless absorption of laser energy from the dependence of the x-ray bremsstrahlung yield on the angle of incidence of a p-polarized laser pulse of nonrelativistic intensity on a solid target, as well as on the energy interval in which the bremsstrahlung spectrum is measured.