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Joint ICTP-IAEA Workshop on Physics of Radiation Effect and its Simulation for Non-Metallic Condensed Matter | (smr 2359)

Thursday 23 August 2012

Structural effects of dense ionization: theoretical model/ experimental verification/ applications - Adriatico Guest House Giambiagi Lecture Hall (11:30-12:30)

Experimental data concerned the most prominent effect of dense ionization in non-metallic solids - latent tracks formation, are usually interpreted in framework of thermal-spike models. In this talk we discuss different thermal-spike models and their application for evaluation of latent track parameters and electronic excitation effects in insulators. Some examples of industrial applications of swift heavy ion beams will be presented.

time	title	presenter
11:30	Structural effects of dense ionization: theoretical model/ experimental verification/ applications	VLADIMIR SKURATOV