

Joint ICTP-IAEA Advanced Workshop on High Sensitivity 2D & 3D
Characterisation and Imaging with Ion Beams | (smr 2856)

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Fundamentals of Energy Loss

Tuesday, 27 September 2016 08:30 (1:00)

Content

Pedro L. Grande In this talk, a review of the energy-loss physics of ions interacting with matter will be presented. Special attention will be given to the electronic stopping power and energy loss straggling processes, which are of fundamental importance for depth profiling and for 3D characterization of nano-structures using the energy loss spectrum taken with high energy resolution.

Summary

Presenter(s) : GRANDE, Pedro L. (Federal University of Rio Grande do Sul, Porto Alegre, Brazil)

Session Classification : DAY 2