



UNIVERSITÀ
di VERONA

Scuola di Dottorato
di SCIENZE NATURALI E
INGEGNERISTICHE

Corso di Dottorato in Nanoscienze e tecnologie
avanzate

“Modern inorganic scintillation materials - fundamental physics problems and applications”

April 10, 2017 - h. 11.30

Martin Nikl, PhD.

Chair of dept. of Optical Materials
Deputy director for targeted research
Institute of Physics CAS- Prague

Abstract:

After a general introduction into scintillator field several material systems based on oxide single crystals, optical ceramics and nanocrystals will be reviewed as for their optical, luminescence and scintillation characteristics and the understanding fundamental physical processes. It will be shown how the understanding of fundamental physics of the material and of its scintillation mechanism can substantially improve its practical performance and figure of merit. Few application examples will be provided as well.

The lecture will take place at 11.30 – Sala Verde – Cà Vignal – Strada Le Grazie, 15

Local organization and contact:

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