

SCINT 2017 - 14th Int. Conference on Scintillating Materials and their Applications

Tuesday, 19 September 2017

Scintillation Mechanisms: session 1 (14:30 - 16:00)

-Conveners: Richard Williams

time	[id] title	presenter
14:30	[188] The role of excitation distribution in the intrinsic resolution	VASILYEV, Andrey
14:45	[88] On the impact of the nano-scale fluctuations of electronic structure in solid solutions on the scintillating properties	BELSKY, Andrei
15:00	[184] Can self-trapped excitons deliver energy to impurities in tungstates?	Dr NAGIRNYI, Vitali
15:15	[191] A Theoretical First-principles Investigation of the Properties of Self-Trapped Excitons and Defects in Halide Scintillators	CANNING, A.
15:30	[141] The electronic structure of Tl, Pb, and Bi based scintillators and how that relates to scintillator performance	Prof. DORENBOS, Pieter
15:45	[102] Picosecond absorption spectroscopy of self-trapped holes, self-trapped excitons, and transient Ce states in LaBr ₃ and LaBr ₃ :Ce	LI, Peiyun

Thursday, 21 September 2017

Scintillation Mechanisms: session 2 (08:30 - 10:00)

-Conveners: **Andrey Vasiliev**

time	[id] title	presenter
08:30	[155] Free carrier absorption for study of fast excitation transfer in scintillation crystals	TAMULAITIS, Gintautas
08:45	[77] Some trends in the yield of the hot intraband luminescence	Dr OMELKOV, Sergey
09:00	[103] Two-photon photoconductivity and luminescence in scintillators – measurement and mapping	ONKEN, Drew
09:15	[123] Charge trapping processes and energy transfer in PbMoO ₄ studied by electron paramagnetic resonance and thermally stimulated luminescence	BURYI, Maksym
09:30	[104] Pulse shape analysis of individual gamma events - correlation to resolution and the possibility of its improvement	Dr GEKTIN, Aleksander
09:45	[153] Excitation density distribution effects on fast ZnO excitonic emission	Dr MARTIN, Patrick