

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

Tuesday, September 19, 2017

Scintillation Mechanisms: session 1 (2:30 PM - 4:00 PM)

-Conveners: Richard Williams

time	[id] title	presenter
2:30 PM	[188] The role of excitation distribution in the intrinsic resolution	VASILYEV, Andrey
2:45 PM	[88] On the impact of the nano-scale fluctuations of electronic structure in solid solutions on the scintillating properties	BELSKY, Andrei
3:00 PM	[184] Can self-trapped excitons deliver energy to impurities in tungstates?	Dr NAGIRNYI, Vitali
3:15 PM	[191] A Theoretical First-principles Investigation of the Properties of Self-Trapped Excitons and Defects in Halide Scintillators	CANNING, A.
3:30 PM	[141] The electronic structure of Tl, Pb, and Bi based scintillators and how that relates to scintillator performance	Prof. DORENBOS, Pieter
3:45 PM	[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, September 21, 2017

Scintillation Mechanisms: session 2 (8:30 AM - 10:00 AM)

-Conveners: **Andrey Vasiliev**

time	[id] title	presenter
8:30 AM	[155] Free carrier absorption for study of fast excitation transfer in scintillation crystals	TAMULAITIS, Gintautas
8:45 AM	[77] Some trends in the yield of the hot intraband luminescence	Dr OMELKOV, Sergey
9:00 AM	[103] Two-photon photoconductivity and luminescence in scintillators – measurement and mapping	ONKEN, Drew
9:15 AM	[123] Charge trapping processes and energy transfer in PbMoO ₄ studied by electron paramagnetic resonance and thermally stimulated luminescence	BURYI, Maksym
9:30 AM	[104] Pulse shape analysis of individual gamma events - correlation to resolution and the possibility of its improvement	Dr GEKTIN, Aleksander
9:45 AM	[153] Excitation density distribution effects on fast ZnO excitonic emission	Dr MARTIN, Patrick