

1. Record Nr.	UNISA996418438903316
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Titolo	Physics of Fast Processes in Scintillators [[electronic resource] /] / by Mikhail Korzhik, Gintautas Tamulaitis, Andrey N. Vasil'ev
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-21966-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 250 p. 130 illus., 110 illus. in color.)
Collana	Particle Acceleration and Detection, , 1611-1052
Disciplina	620.11295
Soggetti	Nuclear physics Heavy ions Spectroscopy Optical materials Electronic materials Solid state physics Crystallography Physical measurements Measurement Nuclear Physics, Heavy Ions, Hadrons Spectroscopy/Spectrometry Optical and Electronic Materials Solid State Physics Crystallography and Scattering Methods Measurement Science and Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Energy release of ionizing radiation in inorganic scintillator -- Chapter 2. Timing measurements with light pulses -- Chapter 3. Development of excited region of the track. Rise and decay kinetics in scintillation -- Chapter 4. Shallow traps in scintillation materials -- Chapter 5. Free carrier dynamics in scintillation materials -- Chapter 6. Transient phenomena in scintillators -- Chapter 7. Wide-band-gap semiconductor scintillators -- Chapter 8. Coincidence time resolution

with scintillators.

Sommario/riassunto

This book presents the current advances in understanding of the fast excitation transfer processes in inorganic scintillation materials, the discovery of new materials exhibiting excellent time resolution, and the results on the evaluation of timing limits for scintillation detectors. The book considers in-depth basic principles of primary processes in energy relaxation, which play a key role in creating scintillating centers to meet a growing demand for knowledge to develop new materials combining high energy and time resolutions. The rate of relaxation varies. However, the goal is to make it extremely fast, occurring within the ps domain or even shorter. The book focuses on fast processes in scintillation materials. This approach enables in-depth understanding of fundamental processes in scintillation and supports the efforts to push the time resolution of scintillation detectors towards 10 ps target. Sophisticated theoretical and advanced experimental research conducted in the last decade is reviewed. Engineering and control of the energy transfer processes in the scintillation materials are addressed. The new era in development of instrumentation for detection of ionizing radiation in high- energy physics experiments, medical imaging and industrial applications is introduced. This book reviews modern trends in the description of the scintillation build up processes in inorganic materials, transient phenomena, and engineering of the scintillation properties. It also provides reliable background of scientific and educational information to stimulate new ideas for readers to implement in their research and engineering. The book is aimed at providing a coherent updated background of scientific and instructive information to stimulate new ideas for readers in their research and engineering.

2. Record Nr.	UNINA9910828624603321
Titolo	The transcultural turn : interrogating memory between and beyond borders // edited by Lucy Bond and Jessica Rapson
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachussetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-037075-1 3-11-033761-4
Descrizione fisica	1 online resource (286 p.)
Collana	Media and Cultural Memory/ Medien und kulturelle Erinnerung, , 1613-8961 ; ; Volume 15
Disciplina	305.8
Soggetti	Multiculturalism Collective memory
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Frontmatter -- Acknowledgements -- Content -- Introduction / Bond, Lucy / Rapson, Jessica -- Part One: Theorising Transcultural Memory -- A Dialogue on the Ethics and Politics of Transcultural Memory / Moses, A. Dirk / Rothberg, Michael -- Cultural Memory and Transcultural Memory - a Conceptual Analysis / Carrier, Peter / Kabalek, Kobi -- Types of Transculturality: Narrative Frameworks and the Commemoration of 9/11 / Bond, Lucy -- Part Two: Problematising Transcultural Memory -- Europeanized Vernacular Memory: A Case Study from Germany and Poland / Breuer, Lars -- Integrating Europe, Integrating Memories: The EU's Politics of Memory since 1945 / Sierp, Aline -- Britain and the Formation of Contemporary Holocaust Consciousness: A Product of Europeanization, or Exercise in Triangulation? / Pearce, Andy -- Babi Yar: Transcultural Memories of Atrocity From Kiev to Denver / Rapson, Jessica -- Part Three: The Possibilities of Transcultural Memory -- Motion and Sound: Investigating the Illinois Holocaust Museum and Education Centre / Koenig, Wendy -- Collective Loss and Commemoration after the Yugoslav Wars: Dubravka Ugresi's Museumizing Gaze / Tomskey, Terri -- German writers remember 9/11: Katharina Hacker's The Have-Nots

/ Meyer, Franziska -- Cross-cultural Memoryscapes: Memory of Colonialism and its Shifting Contexts in Contemporary German Literature / Göttsche, Dirk -- Black Patches and Rotting Weeds: The Great Famine as a Transcultural Figure of Memory in Irish (Diaspora) Fiction, 1855-1885 / Corporaal, Margu rite -- Contributors -- Index of Names -- Index of Terms

Sommario/riassunto

This edited collection makes a progressive intervention into the interdisciplinary field of memory studies with a series of essays drawn from diverse theoretical, practical and cultural backgrounds. The most seminal critical development within memory studies in recent years has arguably been the turn towards transculturalism. This movement engenders a series of methodologies that posit remembrance as a fluid process in which commemorative tropes work to inform the representation of diverse events and traumas beyond national or cultural boundaries, transcending - but not negating - spatial, temporal and ideational differences. Examining a wide range of historical and cultural contexts, the essays in this collection focus on the dialogues that shape processes of remembrance between and beyond borders, critiquing the problems and possibilities inherent in current discourses in memorial practice and theory as they approach the challenge of transculturalism.
