

Program
International Workshop on Radiopure Scintillators (RPSCINT 2013)
17 – 20 September 2013
Institute for Nuclear Research, Kyiv, Ukraine

Monday, 16 September 2013	
19:00–20:30	Welcome party Pub “Copper”, Mykhailivska Str. 2, Maidan Nezalezhnosti (Independence Square) area

Tuesday, 17 September 2013		
09:30-10:20	Registration	
10:20-10:30	Ivan Vyshnevskiy Director of INR Kyiv	Welcome
Scintillators in nuclear and astroparticle physics Chair: Andrea Giuliani		
10:30-11:10	Rita Bernabei	Crystal scintillators for low background measurements
11:10-11:40	Coffee	
11:40-12:10	Hong Joo Kim	CaMoO ₄ crystal scintillator based 0νββ experiment: AMoRE
12:10–12:40	Riccardo Cerulli	Search for rare processes with ZnWO ₄ crystal scintillators
12:40–13:10	Valentina Lozza	Neutrinoless double beta decay search with SNO+
13:10–14:30	Lunch	
Scintillators in nuclear and astroparticle physics Chair: Rita Bernabei		
14:30–15:00	Vladimir Tretyak	First results of the experiment to search for double beta decay of ¹⁰⁶ Cd with ¹⁰⁶ CdWO ₄ crystal scintillator in coincidence with four crystals HPGe detector
15:00–15:30	Denys Poda	Search for 2β decay of ¹¹⁶ Cd with the help of enriched ¹¹⁶ CdWO ₄ crystal scintillators
15:30–16:00	Coffee	
16:00–16:30	Vladislav Kobychiev (by Skype)	Expected backgrounds in AmoRE experiment

Wednesday, 18 September 2013

Scintillator characterisation Chair: Hans Kraus		
10:00–10:30	Dmitry Spassky	Influence of traps on the luminescent and scintillation properties of molybdates
10:30–11:00	Maria Martinez	Response of parylene-coated NaI(Tl) scintillators at low temperature
11:00–11:30	Coffee	
11:30–12:00	Vladimir Kazalov	Low-background setup for measurement of the intrinsic background of CaMoO ₄ scintillation crystals
12:00–12:30	Vitaliy Mikhailik	Monte-Carlo simulation of light collection efficiency of scintillation detectors using ZEMAX
12:30–13:00	Martin Uffinger	Temperature dependent light output of scintillating crystals
13:00–14:30	Lunch	
Scintillator characterisation Chair (also of the Poster session): Vitaliy Mikhailik		
14:30–15:00	Vladimir Tretyak	Semi-empirical calculation of quenching factors for scintillators: new results
15:00–15:30	Luca Pattavina	Lithium-containing scintillating bolometers for low background physics
15:30–16:30	Poster session (with Coffee at 16:00–16:30)	
	Roman Boiko	Purification of cerium, neodymium and gadolinium for low background experiments
	Dmitry Chernyak	Rejection of randomly coinciding events in ZnMoO ₄ scintillating bolometers
	Michele Mancuso	An experimental study of antireflective coatings in Ge light detectors for scintillating bolometers
	Valentyna Mokina	Optimization of light collection from crystal scintillators for cryogenic experiments
	Oksana Polischuk	Radioactive contamination of BaF ₂ crystal scintillators
	Guohao Ren	Characterization of Li ₆ RE(BO ₃) ₃ :Ce ³⁺ (RE=Lu, Y) neutron detection crystals
	Margherita Tenconi	Characterization of a ZnSe scintillating bolometer prototype for neutrinoless double beta decay search
16:30–16:45	Workshop photo	

Thursday, 19 September 2013		
Scintillator development Chair: Hong Joo Kim		
10:00–10:30	Ioan Dafinei	Search for scintillating crystals for rare events physics application
10:30–11:00	Matias Velazquez	Growth and spectroscopic properties of ^6Li - and ^{10}B -enriched crystals for heat-scintillation cryogenic bolometers used in the rare events searches
11:00–11:30	Coffee	
11:30–12:00	Vladimir Shlegel	Purification of molybdenum oxide and growth of medium size zinc molybdate crystals for the LUMINEU program
12:00–12:30	Vasily Kornoukhov	Production and deep purification of isotopically-enriched materials for $^{40}\text{Ca}^{100}\text{MoO}_4$ crystal growing
12:30–13:00	Sergiy Galkin	Synthesis of ZnSe charge and growing methods of ZnSe single crystals
13:00–14:30	Lunch	
Scintillator development Chair: Matias Velazquez		
14:30–15:00	Moritz von Sivers	Scintillating CaWO_4 single crystals for CRESST-II and EURECA
15:00–15:30	Vladimir Kazalov	Background radioactivity of construction materials, raw substance and ready-made CaMoO_4 crystals
15:30–16:00	Irina Tupitsyna	$\text{Zn}_x\text{Mg}_{1-x}\text{WO}_4$ - A new crystal scintillator
16:00–16:30	Coffee	
16:30–17:30	Round table discussion Chair: Andrea Giuliani	
17:30–17:45	End	
18:30–21:00	Workshop dinner Restaurant “Kanapa”, Andriivsky uzviz 19 http://www.kanapa-restaurant.kiev.ua/	

Friday, 20 September 2013	
10:00–13:00	Kyiv Sightseeing Tour operated by http://mysteriouskiev.com/
13:30–14:30	Lunch (at the Institute for Nuclear Research)