

Program
2nd International Workshop on Radiopure Scintillators for EURECA (RPSCINT 2009)
22nd - 23rd September 2009
Institute for Nuclear Research, Kyiv, Ukraine

Tuesday, 22th September 2009		
9:30	Registration	
10:00	Ivan Vyshnevskiy Director of INR, Kyiv, Ukraine	Welcome
Dark matter and double beta decay projects		
10:10	Hans Kraus University of Oxford, UK	EURECA – an overview
11:00	Coffee	
11:30	Ioan Dafinei INFN Sezione di Roma 1, Italy	Production of radiopure TeO ₂ crystals for neutrinoless double beta decay application
12:00	Vasily Kornoukhov ITEP, Moscow, Russia	First results of ⁴⁰ Ca ¹⁰⁰ MoO ₄ single crystal growing for underground physics application
12:30	Lunch	
13:30	Fedor Danevich INR, Kyiv, Ukraine	R&D of CdWO ₄ crystal scintillators from enriched materials for double β decay experiments
Scintillators R&D		
14:00	Vladimir Shlegel NIIC, Novosibirsk, Russia	Growth of the ¹⁰⁶ CdWO ₄ Crystal by the Low Thermal Gradient Czochralski technique (LTG Cz).
14:30	Ljudmila Nagornaya ISMA, Kharkiv, Ukraine	Growth conditions of radiopure ZWO ₄ scintillation crystals
15:00	Evgeniy Galashov NIIC, Novosibirsk, Russia	Growth of zinc tungstate by the Low Thermal Gradient Czochralski technique (LTG Cz).
15:30	Coffee	
16:00	Sergiy Galkin ISMA, Kharkiv, Ukraine	The concentrations of impurities and point defects in melt grown ZnSe
16:30	All	Discussion
17:20	Workshop photo	
18:00	Workshop Dinner	

Wednesday, 23th September 2009

Scintillator characterisation

10:00	Vladimir Tretyak INR, Kyiv, Ukraine	Semi-empirical calculation of quenching factors for ions in scintillators
10:40	Valentyna Kudovbenko INR, Kyiv, Ukraine	Light collection from ZnWO ₄ cylindrical and hexagonal shape
11:00	Coffee	
11:30	Vitalii Mikhailik University of Oxford, UK	Performance characteristics of scintillators at cryogenic temperatures
The Important Issue of Low Radioactivity		
12:00	Vladislav Kobychev INR, Kyiv, Ukraine	On measurability of mBq/kg levels of alpha activity
12:30	Lunch	
13:30	Denys Poda INR, Kyiv, Ukraine	Further study of radiopurity of ZnWO ₄ crystal scintillators
Purification and Production		
14:00	Alexey Shcherban KIPT, Kharkiv, Ukraine	A new approach to production of radiopure natural and isotopically enriched cadmium and zinc
14:30	All	Discussion and Way Forward
15:30	Coffee	
16:00	Hans Kraus	Summary Remarks
16:30	End	