

Tuesday, 9th September 2008

9:30		Registration
9:55	Fedor Danevich	Welcome
		EURECA and related projects
10:00	Hans Kraus	EURECA – an overview
10:30	Fedor Danevich	R&D of crystal scintillators with the level of radiopurity required by EURECA
11:00		Coffee
11:30	Pierre de Marcillac	Our -short- experience at IAS and within ROSEBUD with radioactive contaminations in scintillating bolometers: uses & needs
12:00	Marc-Antoine Verdier	Cryogenic Scintillators for Dark Matter, Status of the SciCryo project
12:30		Lunch
13:20		Workshop photo
		Double Beta Decay
13:30	Stefano Pirro	Radiopure scintillators for Double Beta Decay searches
14:00	P. K. Raina	Tin as a candidate for low background experimentation: Some issues in Double Beta Decay
		Scintillator R&D
14:30	Mikhail Korzhik	Tungstate and molybdate single-crystal scintillators development
15:00	Ludmila Nagornaya	Research and development for alkali-earth tungstate and molybdate crystal scintillators to search for rare processes
15:30		Coffee
		Scintillator Characterization
16:00	Valentyna Mokina	Characterisation of scintillation crystals for cryogenic experimental search for rare events
16:20	Vitalii Mikhailik	Development of techniques for characterisation of scintillation materials for cryogenic applications at Oxford
16:40	Dmitry Spassky	Luminescence study of molybdates with cations of Li, Zn and Mg
17:00	Vladimir Degoda	Roentgen fluorescence of scintillation materials in wide temperature region
17:30	All	Discussion
18:45		Workshop Dinner

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		The Important Issue of Low Radioactivity
9:30	Fedor Danevich	Radioactive contamination of crystal scintillators
10:00	Dmitry Grigoriev	Incidental radioactive background in BGO crystals
10:30	Andrew Nikolaiko	Radioactive contamination of CaWO ₄ scintillators
11:00		Coffee
11:30	Grygoriy Stryganyuk	Effect of impurity segregation on the properties of single-crystal scintillators
11:50	Denys Poda	Investigation of radiopure ZnWO ₄
12:10	Vladislav Kobychhev	Geant4-based simulator for response of scintillation detectors with typical geometries
12:30		Lunch
		Purification and Production
13:30	Alexey Dossovitski	Raw materials for the production of low-background scintillation materials
14:00	Vladimir Shlegel	Growth of Scintillation Oxide Crystals by the Low Thermal Gradient Czochralski technique (LTG Cz).
14:30	Alexey Shcherban	Production of High-purity Metals
14:50	Dmitriy Solopikhin	Purification of cadmium and lead for low-background scintillators
15:10	Roman Boiko	Purification of Calcium and Molibdenum for CaMoO ₄ crystals growing
15:30		Coffee
16:00	All	Discussion and Way Forward
16:45	Hans Kraus	Summary Remarks
17:00		End