


W o r k s h o p @ **G S I**

July 4 – July 6, 2004

A g e n d a

Sunday, July 4

18:00 Welcome GSI Guest House

19:30 Departure to the restaurant "Sitte", down-town DA. Dinner & possibility to watch the final 

Monday, July 5

Meeting Room ⇒

Theory seminar room SB 3.170a

Session I: The Joint Research Activity NoRHDia Chair: Milos Nesladek

9:30 Welcome Reinhard Simon
 9:40 Status of NoRHDia & scope of the workshop Elèni Berdermann

10:00 Introduction of the participating institutions

Limburgs Univ. Centrum, Belgium	Milos Nesladek
CEA, LIST Saclay, France	Philippe Bergonzo
NIPNE, Romania	Mariana Petris
Univ. of Milano, Italy	Ileana Iori
CERN, Switzerland	Alexander Oh
Univ. of Karlsruhe, Germany	Eugene Grigoriev
DESY Zeuthen, Germany	Wolfgang Lohmann
VERA Vienna/Kurchatov, Austria/Russia	Vitaly Liechtenstein
GSI Darmstadt, Germany	Elèni Berdermann

10:40 The MAESTRO project Philippe Bergonzo

10:50 Coffee break

Session II: Diamond Detectors (1) Chair: Eugene Grigoriev

11:20 Vertex detectors for LHC experiments Alexander Oh
 11:50 Diamond pixel-sensors with ATLAS pixel front end electronics Markus Mathes
 12:20 Evaluation of natural diamond detectors as low energy heavy ion spectrometers Vitaly Liechtenstein

12:50 Lunch, GSI canteen

Session III: Diamond Growth and Characterisation Chair: Philippe Bergonzo

14:00 Growth and doping, SC-CVDD devices Milos Nesladek
 14:30 Low temperature optical and electronic properties of CVD diamond for detector applications Christoph Nebel
 15:00 SC-CVD diamond for detector applications Andrew Whitehead
 15:30 Characterisation of diamond using broad-band electronics Heinz Pernegger

16:00 Coffee break

Session IV:	Diamond Detectors (2)	Chair: Christoph Nebel
16:30	Diamond work at DESY Zeuthen	Wolfgang Lange
17:00	Bunch monitoring for TESLA	Hannes Bol
17:30	Beam monitoring applications for synchrotrons	John Morse
18:00	Diamond detector applications from Saclay	Philippe Bergonzo
19:00	Dinner, GSI Guest House	

Tuesday, July 6		Meeting Room ⇒	Theory seminar room SB 3.170a
Session V:	Diamond Detectors (3)	Chair: Wolfgang Lohmann	
9:30	Focal plane detectors for magnetic spectrometers	Angela Bräuning-Demian	
10:00	Start detectors for heavy ion experiments	Wolfgang Koenig	
10:30	Timing performance of CVD diamond detectors for minimum ionizing particles	Mariana Petris	
11:00	Coffee break		
11:30	Heavy ion beam diagnosis detectors and timing amplifiers	Peter Moritz	
12:00	DBA based multi-channel devices	Mircea Ciobanu	
12:30	Discussion: Electronics	Chair: Eleni Berdermann	
	<ul style="list-style-type: none"> • <i>Heavy ion particle identification</i> Spectroscopy amplifiers: Alberto Pullia, Roberto Bassini (Milano) • <i>Timing detectors for minimum ionizing particles</i> The Vienna broad-band diamond amplifier: Heinz Pernegger (CERN) New ideas for MIP timing: P. Moritz, M. Ciobanu, A. Martemiyarov (GSI) • <i>Available solutions – Cooperation proposal IDEAs</i> Maehlum, Gunnar (IDEAs, Norway) • <i>Discussion Summary</i> 		
13:15	Lunch, GSI canteen		
14:30 –	Discussion: NoRHDia multiannual plan	Chair: Elèni Berdermann	
	<ul style="list-style-type: none"> • <i>Final deliverables</i> • <i>Diamond samples delivery and distribution</i> • <i>Beam tests / Irradiations</i> • <i>Working groups, tasks and responsibilities</i> • <i>Milestones 2004</i> • <i>Budget sharing, money transfer, expenses</i> • <i>Reports to Bruxelles</i> • <i>Next meeting</i> 		
16:00	End of the workshop		

