



1st Workshop @ GSI

13. – 15. December 2009

A G E N D A

Sunday, 13.12.2009

18:00	Welcome	⇒	⇒	⇒	⇒	GSI Guest House Foyer
19:30	Departure of bus for dinner at restaurant 'Sitte' down town Darmstadt:					http://www.restaurant-sitte.de/

Monday, 14.12. Meeting ⇒ Theory seminar room SB 3.170a

9:00	Welcome and CARAT News	Elèni Berdermann	(GSI, DL)
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Session I ⇒ CVD-Diamond Materials

Chair: John Morse

9:10	Diamond Detectors Ltd., Current/Planned Investments in Research, Capability & Markets	Alex Brown	(DDL, Dorset UK)
9:30	Heteroepitaxial diamond on Ir/YSZ/Si(001): general developments and specific aspects for detector applications	Matthias Schreck	(Uni Augsburg)
10:00	Perspectives on silicon-on-diamond devices	Silvio Sciortino	(INFN Firenze)

10:30 Coffee Break

Session II ⇒ Material Characterization Facilities and Techniques

Chair: Matthias Schreck

11:00	Experimental Beamlines of GSI Materials Research	Daniel Severin	(GSI, MF)
11:30	IBIC, ion microprobe technique for testing diamond detectors, application examples and perspectives	Milko Jaksic	(IRB Zagreb)
12:00	Timing properties of thin diamond detectors	Jose Antonio Duenas	(UHU Huelva)

12:30 Lunch at GSI canteen + 13:30 Photo Session ⇒ at GSI's little lake (near the Entrance)

Session III ⇒ Electronics, Test Results and Facilities

Chair: Christian Schmidt

14:00	‘Loss-less’ broadband signal transfer	Peter Moritz	(GSI, HF Group)
14:30	MIP START Detectors of a time resolution $\sigma_i < 100$ ps	Wolfgang Koenig	(GSI, HADES)
14:50	The IPE Institute at KIT	Marc Weber	(KIT-IPE Karlsruhe)

Session IV ⇒ Detectors for MIP Applications

Chair: Christian Schmidt

15:10	Development of the CBM silicon detector systems	Johann Heuser	(GSI, CBM)
15:40	Different aspects comparing the radiation hardness of diamond and silicon sensors	Wim de Boer	(KIT Karlsruhe)

16:10 Coffee Break

Session V ⇒ Detectors for MIP Applications*Chair: Wim de Boer*

16:40	Large area diamond tracker for R3B	Roman Gernhäuser	(TU München)
17:10	Use of Single Crystal Diamonds for a Fast Beam Conditions Monitor and for a Pixel Luminosity Tracker for the CMS experiment at the LHC	Richard Hall-Wilton	(CERN / Wisconsin)
17:40	Beam Conditions Monitors for the CMS experiment at the LHC	Steffen Müller	(CERN / KIT)

19:00 Dinner Buffet, GSI Guest House Foyer**Tuesday, 15.12.: 9:00 Meeting ⇒ Theory Seminar Room SB 3.170a****Session VI ⇒ Photon Detectors***Chair: Nicholas Tranchant*

9:00	Photon-detectors for spectroscopy and diagnostics	Alessio Bocci	(CNA Univ. of Seville)
9:30	X-ray photon diagnostics at the European XFEL	Jan Grünert	(European XFEL)
10:00	Tests of a diamond quadrant detector at Hasylab using Libera Brilliance readout	John Morse	(ESRF Grenoble)
10:30	pCVD diamond beam position monitors for PETRA III	Eckhard Wörner	(DM, Freiburg)

11:00 Coffee Break**Session VII ⇒ Heavy-Ion Detectors***Chair: Christoph Kozhuharov*

11:30	Artificial diamonds as ultra-fast fission trigger	Stephan Oberstedt	(JRC-GEEL)
12:00	Applications of CVD-diamond for heavy ions charge state measurements	Witold Cayzac	(TU Darmstadt)
12:30	Test of Diamond Detectors at the FRS	Ivan Mukha	(Univ. of Valencia)

13:00 Lunch, GSI canteen**Tuesday, 15.12. :14:00 Meeting ⇒ FAIR Container C27 1.004****Session VIII ⇒ New Detector Developments***Chair: Christoph Nebel*

14:00	High-energy heavy-ion timing with pc DD for LYCCA	Annika Lohstroh	(University of Surrey)
14:30	Large bandgap solid-state sensors – some new developments	Sergej Schuwalow	(DESY Zeuthen)
15:00	2D-position sensitive detector for highly charged ions	Angela Bräuning-Demian	(GSI, AP)
15:30	Single Crystal CVD diamond position-sensitive detectors based on DLC resistive electrodes	Nicholas Tranchant	(CEA List/Saclay)
16:00	Some Applications of Diamond Detectors in the AP-Division of GSI	Christophor Kozhuharov	(GSI, AP)
16:30	Early Diamond-on-Iridium (DoI) samples	Elèni Berdermann	(GSI, DL)

17:00 End of the WorkshopContact: e.berdermann@gsi.de