



3rd Workshop @ GSI

11. – 13. December 2011

A G E N D A

Sunday, 11. 12. 2011

18:00 Welcome/Registration ⇒ ⇒ ⇒ ⇒ GSI Guest House Foyer

19:30 Departure of bus for dinner at restaurant 'Sitte' down town Darmstadt
<http://www.restaurant-sitte.de/>

Monday, 12. 12. Meeting ⇒ KBW Hörsaal ⇒ Room: KBW.1.17

9:00 Welcome and News from *Hadronphysics2/3* EBe (GSI, DL)

Session I ⇒ Carbon Materials Growth

Chair: Christian Schmidt

9:10	Graphen growth by chemical vapor deposition on single crystal metal films	Matthias Schreck	(Uni Augsburg)
9:40	Growth of heteroepitaxial diamond for detector applications: the role of dislocations	Christian Stehl	(Uni Augsburg)

Session II ⇒ Diamond Materials Characterization (I)

10:10	Electrical characteristics and polarization effect in the ultra fast heteroepitaxial diamond detectors	Shahinur Rahman	(OncoRay, and TU Dresden)
10:40	Recent results from Diamond-on-Iridium (DOI) sensors	Elèni Berdermann	(GSI, DL)

11:10 Coffee Break

Session III ⇒ Diamond Materials Characterization (II)

Chair: Matthias Schreck

11:40	TCT and studies on scCVD diamonds at cryogenic temperatures	Hendrik Jansen	(CERN)
12:10	Particle detection with sCVD and silicon at liquid helium temperatures	Christoph Kurfürst	(CERN)

12:40 Lunch at GSI canteen + 13:45 Photo Session ⇒ at GSI's little lake (near the main entrance)

Session IV ⇒ Irradiation Studies and Future Diamond Devices (I) Chr: Chris. Kozhuharov

14:15	Fabrication and characterization of graphite electrodes for diamond X-ray dosimeters	Fabio Schirru	(FEPS, UK)
14:45	Radiation hardness tests of SC diamond detector under irradiation by MeV energy range carbon ions	Milko Jaksic	(RBI Zagreb)
15:15	3D diamond detectors	Alexander Oh	(Manchester University)

15:45 Coffee Break

Session V ⇒ Future Detectors (II)*Chair: Jerzy Pietraszko*

16:15	Advanced diamond detectors at LCD	Michal Pomorski	(CEA Saclay)
17:00	3D-microstructuring of diamond for radiation detector applications	Caylar Benoit	(CEA Saclay)
17:30	Silicon-on-diamond devices	Silvio Sciortino	(INFN)
18:00	Graphitic electrodes on silicon-on-diamond devices	Stefano Lagomarsino	(INFN)

19:00 Dinner Buffet, GSI Guest House Foyer**Tuesday, 13. 12. Meeting ⇒ KBW Hörsaal ⇒ Room: KBW.1.17****Session VI ⇒ Future Detectors (III) and High-Energy Sensors***Chair: Alexander Oh*

9:00	Diamond detectors for transactinide chemistry	Patrick Steinegger	(PSI)
9:30	Experience with diamond based beam condition monitoring systems at CMS during 2011	Moritz Guthof	(CERN)
10:00	Application of single crystal diamond sensors for beam halo monitoring at CMS and LHC	Wolfgang Lohmann	(DESY)
10:30	The diamond beam monitor as part of ATLAS IBL upgrade	Christian Gallrap	(CERN)

11:00 Coffee Break**Session VII ⇒ Diamond Detectors at GSI and FAIR***Chair: Wolfgang Lohmann*

11:30	Applications of polycrystalline CVD diamond in plasma physics	Witold Cayzac	(TU Darmstadt)
12:00	Diamond based detectors for timing applications in HADES	Jerzy Pietraszko	(Uni Frankfurt)
12:30	Recent work related to pcCVD diamond based large area timing detector for HISPEC-DISPEC program	Nara Singh	(University of York)

13:00 Lunch, GSI canteen**Session VIII ⇒ Electronics for Diamond Detectors***Chair: Elèni Berdermann*

14:00	Diamond Electronics	Erich Griesmayer	CIVIDEC Instrumentation, Austria
14:30	FEE-DD Simulations: Preliminary analysis of first DOI measurement results; Large-area continuous position-sensitive diamond detectors	Mircea Ciobanu	(ISS Bucharest)
15:15	Accurate charge measurement of fast signals via FPGA based TDC's	Wolfgang Koenig	(GSI, HADES)
15:45	Final Remarks	EBe / Christian Schmidt	(GSI, DL)

16:00 End of the WorkshopContact: e.berdermann@gsi.de