

A G E N D A

Sunday, June 8

17:00 Welcome → → → → GSI Guest House Foyer

19:15 Departure of bus for dinner at restaurant 'Sitte' down town Darmstadt:
<http://www.restaurant-sitte.de/>

Monday, June 9 Meeting Room ⇒ Theory seminar room SB 3.170a

9:00 Welcome - News from I3HP and I3HP2 Elèni Berdermann (GSI, DL)

Session I: CVD-Diamond Materials *Chair: Milos Nesladek*

9:15 Diamond Detectors Ltd. – Products and Capabilities Kevin Oliver (DDL, UK)

9:30 Diamond Materials - a Fraunhofer Spin-Off Company Eckhard Wörner (DM, Freiburg)

10:00 Recent progress in the field of diamond heteroepitaxy on Ir Matthias Schreck (Uni Augsburg)

Session II: CVD-Diamond Surface, Bulk, and Contacts *Chair: Matthias Schreck*

10:30 Surface and bulk defects of diamond and correlated electronic variations Christoph Nebel (IAF, Freiburg)

11:00 Coffee Break

11:30 The influence of electrical contacts on diamond radiation detectors' performance Arnaldo Galbiati (DDL, UK)

11:45 DLC based radiation hard contacts for diamond detectors Vitaly Liechtenstein (Kurchatov)

12:15 Growth of chromium on diamond Robert Lovrincic (Uni Heidelberg)

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

Session III: Diamond-Detector Properties *Chair: Christoph Nebel*

14:00 Influence of the surface atomic termination on the electrical transport in single crystal CVD diamond Milos Nesladek (Uni Prague + Hasselt)

14:30 Signal formation and fast response time Philippe Bergonzo (CEA/Saclay)

15:00 Synchrotron X-ray Beam Tests of PC and SC Diamond at ESRF John Morse (ESRF)

15:30 Low-energy heavy-ions in diamond Angela Bräuning-Demian GSI (AP)

16:00 Coffee Break

Session IV: Damaging Radiation into Solid-State Materials*Chair: Wim de Boer*

16:30	Material modifications by swift heavy ions	Christine Trautmann	GSI (MF)
17:00	Color centers in LiF induced by swift heavy ions far beyond the ion range	Kurt Schwartz	GSI (MF)
17:30	Recent RD50 developments on radiation tolerant silicon sensors	Michael Moll	(CERN)
18:00	First p and n irradiations of scCVD DDs for Hadron Physics	Michal Pomorski	GSI (DL)
18:30	Polarization effects in radiation damaged scCVDD detectors	Sergej Schuwalov	(DESY Zeuthen)

19:00 Dinner Buffet, GSI Guest House Foyer

Tuesday, June 10

Meeting Room

⇒

Theory seminar room SB 3.170a

Session V: Current Diamond Detector Developments*Chair: Christian Schmidt*

9:00	Beam Conditions Monitoring for CMS, in particular BCM1F with single crystal diamonds	Wolfgang Lange	(DESY Zeuthen)
9:30	Expected radiation damage of diamond beam monitors at LHC	Steffen Müller	(Uni Karlsruhe)
10:00	Energy-loss measurements of swift ions penetrating hot plasmas at the UNILAC	Abel Blazevic	GSI (PP)
10:30	Alternative methods for Heavy-Ion Therapy Dosimetry	Monika Rebisz-Pomorska	(CEA Saclay)
11:00	Single crystal CVD diamond neutron detectors in a p-type/ intrinsic/metal layered structure	Gianluca Verona-Rinati	(U Roma TorVergata)

11:30 Coffee Break**Session VI: Future Diamond-Detector Devices***Chair: John Morse*

12:00	Diamonds for HITRAP and for future electron spectroscopy	Christophor Kozhuharov	GSI (AP)
12:15	Heavy-ion ToF detectors of the Lund-York-Cologne-CALorimeter (LYCCA)	Michael Bentley	(Univ. of York)
12:45	Progress report on Mips traversing thin and small diamonds at high rates (including some desasters)	Wolfgang Koenig	GSI (HADES)

13:15 Lunch, GSI canteen**Session VII: Electronics for Diamond Detectors***Chair: Wolfgang Lange*

14:30	Low-noise fast preamplifiers for SC diamond detectors	Stefano Riboldi	(Univ. of Milano)
15:00	Tests for a start detector for FOPI	Andreas Schüttauf	GSI (FOPI)
15:30	n-XYTER for diamond detectors	Rafal Lalik	(AGH-UST Cracow)
16:00	The Marie Curie MC-PAD Project	Christian Schmidt	GSI (DL)

16:30 End of the workshopContact: e.berdermann@gsi.de