



8th ADAMAS Workshop @ GSI

Darmstadt, 9. – 10. December 2019

A G E N D A

Workshop venue: GSI, Darmstadt, Planckstraße 1

Monday 9.12., 9:30 ⇒ Location ⇒ KBW 1.17 Lecture Hall

9:30	Registration with Coffee and Tea	
10:25	Welcome	Mladen Kiš
Session I ⇒ CVD Diamond supply		<i>Chair: Matthias Schreck</i>
10:30	Element Six Diamond Material for Radiation Detectors	Tim Mollart (Element Six)
11:00	CIVIDEC - Status and Outlook	Erich Griesmayer (CIVIDEC)
11:30	Diamond detector crystals: how dislocations and point defects limit their performance	Theodor Grünwald (Univ. Augsburg)
12:15	Photo Session	
12:30	Lunch	
Session II ⇒ Detector Applications I		<i>Chair: Alexander Oh</i>
14:00	Update on diamond based microdosimetry in hadrontherapy	Michal Pomorski (CEA-LIST)
14:30	3D detector production status at Manchester	Ivan Lopez Paz (Univ. Manchester)
15:00	First test of a diamond detector at European XFEL	Wolfgang Freund (European XFEL)
15:30	Coffee Break (30 min)	
Session III ⇒ Detector Applications II		<i>Chair: Erich Griesmayer</i>
16:00	Development of a beam-tagging diamond hodoscope for online range verification in hadrontherapy	Sébastien Curtoni (UGA-CNRS IN2P3)
16:30	Performance and calibration of the single crystal scCVD reaction time detector of the HADES-experiment	Simon Spies (GSI)
17:00	Response of diamonds to antiprotons	Miha Cerv (CIVIDEC)
17:30	Diamond detectors characterization for ²³⁵ U fission fragments detection at Lohengrin	M.-L. Gallin-Martel (LPSC Grenoble) [Sébastien Curtoni]
19:15	Bus transfer to Darmstadt	
20:00	Workshop Dinner ⇒ Restaurant "Sitte" Darmstadt	

Tuesday, 10.12., 9:30 ⇒ Location ⇒ KBW 1.17 Lecture Hall

Session IV ⇒ Characterization

Chair: Lorenzo Vitale

9:30	Space Charge in sCVD Diamonds	Christian Dorfer	(ETH Zurich)
10:00	scCVD diamond detector signal properties investigated with ion microbeams at elevated temperatures	Andreo Crnjac	(RBI Zagreb)

10:30 Coffee Break (30 min)

Session V ⇒ Performance and Simulation

Chair: Michal Pomorski

11:00	Temperature behaviour of diamonds from 2 K to 500 K	Erich Griesmayer	(CIVIDEC)
11:30	Diamond detector simulations in GEANT4	Pavel Cavigin	(CIVIDEC)
12:00	Performance of UFSD Strip sensors for timing applications	Jerzy Pietraszko	(GSI)

12:30 Closing remarks

End of the Workshop

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https://www.gsi.de/en/about_us/50_years_gsi/timeline.htm