



6th ADAMAS Workshop

Croatian Academy of Sciences and Arts

Zagreb, 27 – 28 November 2017

A G E N D A

Workshop venue changed ⇒ NEW Venue ⇒ Nikola Šubić Zrinski Square 11

Monday, 27.11., 9:00 ⇒ Meeting: Location ⇒ Great Hall

9:00	Registration		
9:30	Welcome	Milko Jakšić, Mladen Kiš	
Session I ⇒ Neutron detection		<i>Chair: Alexander Oh</i>	
9:40	CIVIDEC status 2017	Erich Griesmayer	(CIVIDEC)
10:05	Neutron diagnostics with diamond detectors	Christina Weiss	(CIVIDEC)
10:30	Coffee Break (30 min)		
11:00	Particle identification with ROSY	Pavel Kavargin	(CIVIDEC)
11:25	Development of pixelated diamond detectors for neutron imager	Clément Lynde	(CEA-LIST)
12:50	Neutron spectrometer based on diamond detectors for fast reactors	Mikhail Osipenko	(INFN)
13:15	Lunch		
Session II ⇒ Detector applications		<i>Chair: Michal Pomorski</i>	
14:15	Developments towards a large area beam tagging hodoscope for hadron therapy	Denis Dauvergne	(LPSC)
14:40	Strange results from synchrotron radiofrequency beam position measurements from sc-CVD diamond detectors at DLS	Chris Bloomer	(DLS)
15:05	Diamond timing detectors in TOTEM and CT-PPS at the LHC	Tiina Naaranoja	(HIP)
15:30	Development of a CVD diamond detector with interdigitated electrodes for TOF measurements of low-energy ion bunches	Witold Cayzac	(ENS Saclay)
15:55	Guided visit to the Academy Gallery and Coffee Break (100 min)		
17:15	Recent progress of 3D Diamond detectors	Alexander Oh	(Univ. Manchester)
17:40	The ultrafast dE-ToF single crystal diamond detector	Olga Beliuskina	(CNS, Univ. Tokyo)
18:05	Performance of CVD Diamond Detectors Irradiated by Carbon Beams	Fabio Schirru	(GSI)
18:30	Cryogenic Beam Loss Monitors for the High Luminosity Large Hadron Collider	Marcin Bartosik	(CERN)

18:55	Walking to restaurant 15 min	
19:00	Workshop Dinner ⇒ Restaurant “Medvedgrad”, Ilica street 49	
Tuesday, 28.12., 9:00 ⇒ Meeting: Location ⇒ Great Hall		
Session III ⇒ Thin diamond detectors		<i>Chair: Milko Jakšić</i>
9:00	scCVD diamond membrane detectors for radiobiological applications	Michal Pomorski (CEA-LIST)
9:40	Extreme radiation hardness and signal recovery in thin diamond detectors	Natko Skukan (RBI)
10:05	Diamond membrane microdosimeters for hadron therapy	Izabella Anna Zahradnik (CEA-LIST)
10:30	Coffee Break (30 min)	
Session IV ⇒ Characterization and developments		<i>Chair: Natko Skukan</i>
11:00	edge-TCT in diamond via multi-photon absorption	Dmitry Hits (ETHZ)
11:25	Development of diamond detectors for HADES	Georgy Kornakov (TU Darmstadt)
11:50	Investigation of the signal behaviour in poly-crystalline CVD diamonds depending on incident particle flux	Michael Reichmann (ETHZ)
12:15	Progress in development of DoI	Mladen Kiš (GSI)
12:40	Lunch	
14:00	Development of bump bonding process for pixelated diamond sensors	Diego Alejandro Sanz Becerra (ETHZ)
14:25	Electric Current Characteristics of Irradiated Diamond Detectors	Ivan Sudić (RBI)
14:50	Closing Remarks	
15:00	End of the Workshop	



Contact: m.kis@gsi.de