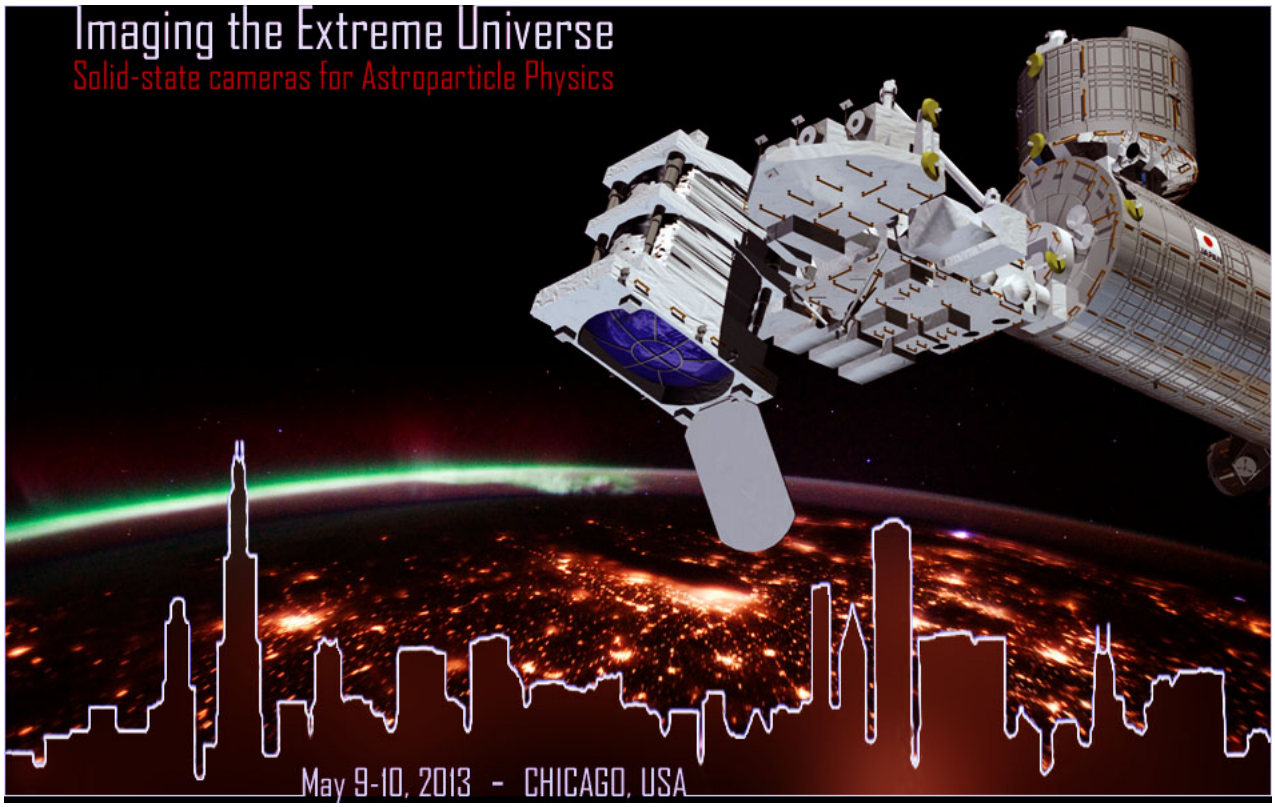

http://kicp-workshops.uchicago.edu/ieu2013/

WORKSHOP PROGRAM

The Kavli Institute for Cosmological Physics (KICP) at the University of Chicago will host a two-day workshop focusing on solid-state technologies to build cameras for both space and ground-based astroparticle physics experiments. In particular, alternatives to MAPMTs for the JEM-EUSO focal plane and CTA cameras will be discussed including SiPM and G-APD. The workshop will be structured as a series of presentations with ample time for discussions and working sessions.

Local Organizing Committee

Pedro Facal
Kavli Institute for Cosmological Physics

Toshihiro Fujii
Institute for Cosmic Ray Research & Kavli Institute for Cosmological Physics

Jeff Grube
Adler Planetarium/EFI

Andrew McCann
Kavli Institute for Cosmological Physics

Angela Olinto
Kavli Institute for Cosmological Physics

Paolo Privitera
Kavli Institute for Cosmological Physics

Scott Wakely
Kavli Institute for Cosmological Physics

Christopher Williams
Kavli Institute for Cosmological Physics

WORKSHOP PROGRAM

May 9-10, 2013 @ LASR, University of Chicago

Thursday - May 9, 2013

	MORNING SESSION I ***Chair: Christopher Williams***
9:00 AM - 9:10 AM	*WELCOME* *Angela Olinto*
9:10 AM - 9:30 AM	**Angela Olinto**, Kavli Institute for Cosmological Physics ***JEM-EUSO Science Overview***
9:30 AM - 9:50 AM	**Jeff Grube**, Adler Planetarium/EFI ***CTA Science Overview***
9:50 AM - 10:10 AM	*COFFEE BREAK*
	MORNING SESSION II ***Chair: Javier Tiffenberg***
10:10 AM - 10:50 AM	**Marco Casolino**, RIKEN & INFN ***The Focal Surface of JEM-EUSO detector***
10:50 AM - 11:00 AM	*QUESTIONS: JEM-EUSO FOCAL PLANE* *Marco Casolino*
11:00 AM - 12:00 PM	**Juan Estrada**, Fermilab ***MAPMT Performance compared with Requirements Discussion***
12:00 PM - 1:00 PM	*LUNCH*
	AFTERNOON SESSION I ***Chair: Christopher Williams***
1:00 PM - 1:30 PM	**Ardavan Ghassemi**, Hamamatsu ***Latest MPPC Developments from Hamamatsu 1***
1:00 PM - 1:30 PM	**Ardavan Ghassemi**, Hamamatsu ***Latest MPPC Developments from Hamamatsu 2***
1:30 PM - 2:15 PM	**Nepomuk Otte**, Georgia Tech ***Nuisances of SiPMs and how to deal with them in Cherenkov telescopes on the example of the CTA SC-MST***
2:15 PM - 2:30 PM	*QUESTIONS: NUISANCES OF SIPMS AND HOW TO DEAL WITH THEM* *Nepomuk Otte*
2:30 PM - 3:15 PM	**Thomas Bretz**, ETH Zurich ***FACT Telescope***
3:15 PM - 3:30 PM	*QUESTIONS: FACT TELESCOPE* *Thomas Bretz*
3:30 PM - 4:00 PM	*COFFEE BREAK*
	AFTERNOON SESSION II ***Chairs: Toshihiro Fujii***
4:00 PM - 5:00 PM	**John W Mitchell**, Goddard Space Flight Center ***SiPMs and G-APD Discussion***
5:00 PM - 6:00 PM	**Marco Ricci**, INFN, Laboratori Nazionali Frascati - ITALY ***Mechanics and Thermal Requirements Discussion***

Friday - May 10, 2013

	MORNING SESSION I ***Chair: Jeff Grube***
9:00 AM - 9:45 AM	**David A Williams**, University of California, Santa Cruz ***Characterization of SiPMs for Use in Cherenkov Telescopes***
9:45 AM - 10:00 AM	*QUESTIONS: SIPM FOR CTA* *David Williams*
10:00 AM - 10:15 AM	*COFFEE BREAK*
	MORNING SESSION II ***Chair: Jeff Grube***
10:15 AM - 11:00 AM	**Paul Rubinov**, Fermilab ***Electronics for large focal plane arrays***
11:00 AM - 11:05 AM	*QUESTIONS: ELECTRONICS* *Paul Rubinov*
11:05 AM - 11:50 AM	**Justin Vandenbroucke**, KIPAC, SLAC ***Waveform digitization with the TARGET chip***
11:50 AM - 12:00 PM	*QUESTIONS: WAVEFORM DIGITIZATION WITH THE TARGET CHIP* *Justin Vandenbroucke*
12:00 PM - 1:00 PM	*LUNCH*
	AFTERNOON SESSION I ***Chair: Juan Estrada***
1:00 PM - 1:45 PM	**Grzegorz W Deptuch**, Fermilab ***3D integrated and digitally read-out solid-state photo-multiplier - proposal***
1:45 PM - 2:00 PM	*QUESTIONS: 3D SIPM* *Grzegorz Deptuch*
2:00 PM - 2:45 PM	**Eric Oberla**, UChicago HEP ***Development of large area Micro-channel Plate Photodetectors for imaging and fast-timing applications***
2:45 PM - 3:00 PM	*QUESTIONS: PSEC MCP* *Eric Oberla*
3:00 PM - 3:30 PM	*COFFEE BREAK*
	AFTERNOON SESSION II ***Chair: Pedro Facal***
3:30 PM - 4:30 PM	*ELECTONICS DISCUSSION*
4:30 PM - 5:00 PM	*SUMMARY AND FUTURE*