



<http://kicp-workshops.uchicago.edu/DESUC2015/>

MEETING PROGRAM

This 1-day long Chicagoland-based DES meeting creates a common discussion platform for those who work on Dark Energy Survey (DES) at the KICP, University of Chicago, Fermilab, UIUC, NCSA, and Argonne. The ongoing Dark Energy Survey is designed to probe the origin of the accelerating universe and help uncover the nature of dark energy by measuring the 14-billion-year history of cosmic expansion with high precision. Learn more about the survey at the DES website. The objectives of this meeting are to provide updates and to discuss various science/infrastructure projects that are going on in Chicagoland and to provide a channel for interested people to join ongoing and create new projects.

Organizing Committee

Lindsey Bleem
Argonne National Laboratory

Daniel Scolnic
KICP

Vinu Vikram
Argonne National Laboratory

Thursday - September 3, 2015

9:00 AM - 9:30 AM Breakfast
KPTC Lounge (206)

SCIENCE & INFRASTRUCTURE TALKS PART 1

Chair: Nan Li

KPTC 120

9:30 AM - 9:35 AM **Josh Frieman**, Chicago/Fermilab
Welcome

9:35 AM - 9:50 AM **Stephen M Kent**, Fermilab
Reddening Law in the DES Survey Footprint

9:50 AM - 10:05 AM **Eric Morganson**, NCSA
Examining Outer Milky Way Structures with PS1 and DES

10:05 AM - 10:20 AM **Amanda Pagul**, University of Chicago
Counts in Cells: Constraining Galaxy Statistics

10:20 AM - 10:35 AM **Zoheyr Doctor**, UC
Search for Kilonovae in DES Supernovae Fields

10:35 AM - 10:50 AM Discussion Buffer

10:50 AM - 11:05 AM Coffee Break
KPTC Lounge (206)

SCIENCE & INFRASTRUCTURE TALKS PART 2

Chair: Alex Drlica-Wagner

KPTC 120

11:05 AM - 11:20 AM **Samuel Flender**, ANL
Measurements of the kSZ using DES + SPT

11:20 AM - 11:35 AM **Thomas Diehl**, Fermi National Accelerator Laboratory
Results of a Search for Strong Gravitational Lenses in SVA1 and YIA1 using "Blue Near Anything"

11:35 AM - 11:50 AM **Michael Gladders**, UChicago
Thoughts on Strong Lensing from Sloan

11:50 AM - 12:05 PM **Nan Li**, KICP & Argonne
Simulations of Cluster Scale Strong lensing

12:05 PM - 12:15 PM Discussion Buffer

12:15 PM - 1:00 PM Lunch
KPTC Lounge (206)

AFTERNOON SESSION*Chair: Lindsey Bleem*

KPTC 120

Hacks in KPTC + LASR

- 1:00 PM - 1:15 PM **Felipe Menanteau**, NCSA, University of Illinois
DES Data Access
- 1:15 PM - 1:35 PM **Ravi Gupta**, ANL
DES at Adler After Dark (with Brian Nord)
- 1:35 PM - 3:00 PM Hack Session: Open Room
- 1:35 PM - 3:30 PM **Carrasco Kind Matias**, NCSA
Hack Session: DES data access + Data Quality (with K. Bechtol & A. Drlica-Wagner)
- 1:35 PM - 3:00 PM **Brian Nord**, Fermilab
Hack Session: DES outreach
- 1:35 PM - 3:00 PM **Daniel Scolnic**, KICP
Hack Session: DES Calibration
- 3:00 PM - 3:15 PM Coffee Break
KPTC Lounge (206)
- 3:15 PM - 3:30 PM Hack Review
- 3:30 PM - 3:45 PM **Josh Frieman**, Chicago/Fermilab
DES Projections
- 3:45 PM - 4:30 PM Group brainstorming: New ideas + Discussion of papers to be completed in next year