

### Welcome to KICP!

Kavli Institute for Cosmological Physics

## Overview & Goals

- bring together researchers with a common interest in Galactic archaeology, near-field cosmology, and science with the local Universe
- jump-start on the DECam data
- stimulate projects/collaborations on near-field cosmology with the new survey datasets/images

## Structure

#### **Day 1: Presentations**

- Surveys with DECam
- Stellar stream
- Milky Way's stellar halo

#### **Day 2: Presentations**

- Milky Way satellites
- Dwarf galaxies in the Local Universe
- DES DR1 hands-on

#### Day 3: Hack

- NOAO Data Lab hands-on
- DECaLS hands-on
- break-out hack sessions
- Special Lunch Seminar
  - Jo Bovy: Mapping the Milky Way in 6D with Gaia

# Things to do

- Listen the talks; ask questions
- Group discussion (~20min) at the end of morning/afternoon session.
- Write down your hack ideas on the board.
- Learn how to access the data
- Form new projects/collaborations
- Speakers: Send me your slides (<u>tingli@fnal.gov</u>) before or after your talk
  - Before your talk if you do not have an HDMI or VGA input

# Agenda

#### **JUNE 27, 2018 - WEDNESDAY**

8:30 AM - 9:00 AM	Breakfast
	Morning Session 1 Chair: Ting Li
9:00 AM - 9:10 AM	Ting Li, Fermilab/KICP Welcome [PDF, 0.35 MB]
9:10 AM - 9:40 AM	Matias Carrasco Kind, National Center for Supercomputing Applications (NCSA)  The Dark Energy Survey DR1
9:40 AM - 10:10 AM	Eddie Schlafly, LBL DECaLS and DECaPS: DECam Surveys of the Northern Galactic Cap and Southern Galactic Plane
10:10 AM - 10:30 AM	Nora Shipp, University of Chicago Stellar Streams Discovered in the Dark Energy Survey
10:30 AM - 11:00 AM	Coffee Break
	Morning Session 2 Chair: Jo Bovy
11:00 AM - 11:20 AM	Ana Bonaca, Harvard What are the tidal streams constraining?
11:20 AM - 11:40 AM	Nilanjan Banik, Leiden University/GRAPPA, University of Amsterdam Distinguishing between warm and cold dark matter using gaps in stellar streams
11:40 AM - 12:00 PM	Adrian Price-Whelan, Princeton University The Gaia DR2 view of the GD-1 stream

http://kicp-workshops.uchicago.edu/decam-nfc2018/program.php

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### All events in ERC 401 except for break-out hack sessions

#### **JUNE 29, 2018 - FRIDAY**

8:30 AM - 9:00 AM Breakfast

**Morning Tutorial Session** 

Chair: Ting Li

9:00 AM - 10:00 AM NOAO Data Lab Data Access Tutorial and Hands-on

10:00 AM - 10:30 AM DECaLS Interactive Tools

10:30 AM - 11:00 AM Coffee Break

Hack Session

Chair: Alex Drlica-Wagner

11:00 AM - 11:30 AM Hack Overview

11:30 AM - 5:00 PM Break Out Hack Sessions

Available rooms: 401, 419, 445 and the Schramm Lounge

**11:45 AM - 12:00 PM** Lunch (Lunch Boxes)

12:00 PM - 1:00 PM Special Friday Seminar

Speaker: Jo Bovy

Talk: Mapping the Milky Way in 6D with Gaia

3:30 PM - 4:00 PM Coffee Break

5:00 PM - 5:30 PM Hack Tag-up

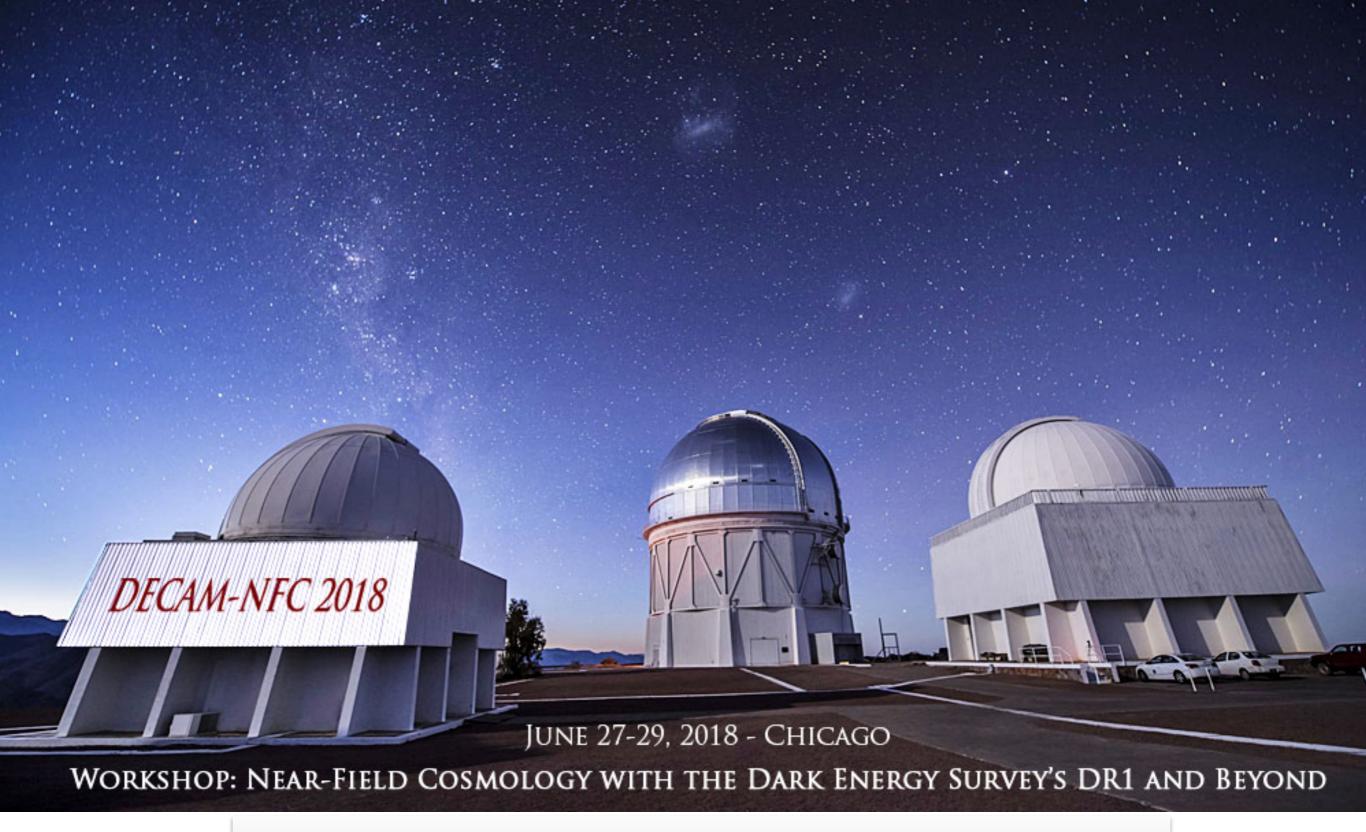
## Coffee & Lunch & Reception

- Coffee & cookies will be provided at breaks. Hot water available at the pantry area.
- Breakfast: 8:30-9:00 am every day
- Lunch: provided (12:30-2:00 pm). Friday (lunch box at 11:45 am).
- Reception: Wednesday at 6:00-7:00 pm at ERC 501.
   (Elevators access stops at 5:00 pm.)
- Dinner on your own.

## Misc.

- Twitter hashtag: #DECAM-NFC2018
- restrooms in far corner of the 4th floor. Distilled water available from the water fountain next to the restroom
- eduroam wifi connection available.
- admin assistant: Aimee Giles (aimeeg@kicp.uchicago.edu)
- quiet space in 5th floor lounge (directly above this room)
- small tables with seats on 1st floor
- ERC 4th floor: KICP
- ERC 5th floor: Astronomy & Astrophysics Department

ERC: Eckhardt Research Center



### Thank KICP for the generous support.

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

**Enjoy the Workshop!**