



Teen Astronomy Cafés: Bringing Big Data to High School Students

3:30-5pm Session in Agave I/II

AGENDA



- 3:30-3:35 Hands-on “Icebreaker” Activities (Teen Astronomy Café Team^{*})
3’x3’x3’ Large Scale Structure cube; wine glass gravitational lensing;
and the black hole gravity well
- 3:35-4:10 Overview of Teen Astronomy Cafés (Connie Walker)
Discussion/Questions on key points in starting a Teen Astronomy Café Program
Preview of 3 Jupyter Notebooks
- 4:10-4:45 Jupyter Notebooks (35 min) – Highlight of the Cafés (Andy Jaramillo)
Modeling a Notebook: Large Scale Structure
Breakout Groups Explore 4 Additional Jupyter Notebooks
Breakout Groups Report Out
- 4:45-5:00 Further Discussion and Q&A (Everyone)
(and playing with the Hands-on Activities and Jupyter Notebooks)

^{*}Youth Leaders: Hasan Alais, Sadie Northway-Smith, Mikayla Romero, & Peter Terrazas (Cornell)
& with Rob Sparks (NOAO), Ardis Herrold (LSST), & Christine O’Donnell (U.Arizona)