

## Workshop Program

**Talk durations + time for questions, in minutes:**  
Review: 30 + 15, Invited: 20 + 10, Contributed: 10 + 5

### Monday June 24

- 09:00 Welcome & Goals of the workshop, **Philippe Gillet & Georges Meylan**
- 09:15 **Ofer Lahav** (Review) Chair: **Georges Meylan**  
*The art of combining probes*
- 10:00 **Wendy Freedman** (Review)  
*Direct measurements of the Hubble constant: current status and future prospects*
- 10:45 Coffee
- 11:15 **Robert Kirshner** (Review)  
*What you need to know about supernovae*
- 12:00 **James Braatz** (Invited)  
*A direct measurement of the Hubble constant from observations of H<sub>2</sub>O megamasers*
- 12:30 Lunch
- 13:30 **Joanna Dunkley** (Review) Chair: **Bruno Leibundgut**  
*Cosmology from the CMB*
- 14:15 **Steven Gratton** (Invited)  
*Cosmological parameters from Planck*
- 14:45 **Adam Riess** (Invited)  
*The Hubble constant from SNe Ia, Cepheids and parallax*
- 15:15 Coffee
- 15:45 **Luca Amendola** (Invited)  
*A theorist's perspective on recent data*
- 16:15 **Yannick Mellier** (Invited)  
*Cosmology with the ESA Euclid space mission*
- 16:45 Panel discussion, panelists: Amendola, Braatz, Dunkley, Freedman, Gratton, Kirshner, Lahav, Mellier, Riess  
Moderator: **Yannick Mellier**

### Tuesday June 25

- 09:00 **Matthias Bartelmann** (Review) Chair: **Frédéric Courbin**  
*Cosmology with weak and strong lensing*
- 09:45 **Alexandre Refregier** (Invited)  
*Recent results on cosmic shear*
- 10:15 **Sherry Suyu** (Invited)  
*Cosmology with gravitational lens time delays*
- 10:45 Coffee
- 11:15 **Chris Fassnacht**  
*Using adaptive optics imaging to reduce systematic effects in lens-based cosmological measurements*
- 11:30 **Thomas Collett**  
*Constraining the dark energy equation of state with double source plane strong lenses*
- 11:45 **Steven Allen** (Review)  
*Cosmology with clusters of galaxies*
- 12:30 Lunch
- 13:30 **Nabila Aghanim** (Invited) Chair: **Anaïs Rassat**  
*Cluster cosmology with Planck*
- 14:00 **Marian Douspis**  
*Cosmology from the SZ angular power spectrum from Planck*
- 14:15 **Aurélien Benoit-Levy**  
*Planck results on CMB lensing*
- 14:30 **Yu-Ying Zhang**  
*Morphological studies of a representative sample of massive medium-redshift clusters with XMM-Newton*
- 14:45 Poster Session (1 slide, 1 minute each)
- 15:00 Coffee
- 15:30 **Thomas Reiprich** (Invited)  
*Recent results on cluster cosmology and the future with eROSITA*
- 16:00 Panel discussion, panelists: Aghanim, Allen, Bartelmann, Refregier, Reiprich, Suyu  
Moderator: **Matthias Bartelmann**
- 18:10 Boat trip + workshop dinner

## Wednesday June 26

- 09:00 **Tamara Davis** (Review) Chair: **Tommaso Treu**  
*Baryon acoustic oscillations: Where they come from, how we observe them, and what we learn from them.*
- 09:45 **Bruno Leibundgut** (Invited)  
*Recent results on supernovae cosmology*
- 10:15 **Marek Kowalski** (Invited)  
*Exploring the local Universe with Supernovae Ia*
- 10:45 Coffee
- 11:15 **Jeffrey Newman**  
*Calibrating photo-z's with spectroscopic-photometric cross-correlations*
- 11:30 **Eyal Kazin**  
*Reconstructed baryonic acoustic feature measurements of WiggleZ and BOSS*
- 11:45 **Jean-Paul Kneib**  
*Cosmology with eBOSS, the new cosmological SDSS project*
- 12:00 **Anže Slosar** (Invited)  
*Lyman-alpha forest as a cosmological probe*
- 12:30 Lunch
- 13:30 **Shirley Ho** (Invited) Chair: **Joanna Dunkley**  
*Improving the Cosmology Analysis Machine*
- 14:00 **Barry Madore**  
*The Carnegie RR Lyrae Program (CRRP)*
- 14:15 **Gustav Tammann**  
*With Allan Sandage towards  $H_0$*
- 14:30 Coffee
- 15:00 Panel discussion, panelists: Davis, Ho, Kowalski, Leibundgut, Slosar  
Moderator: **Peter Schneider**
- 16:00 **Roger Blandford** (Invited, conclusions)  
*How I learned to stop worrying and love cosmology*