

PSF retreat 2012

Hochst im Odenwald, November 12–14, 2012

PROGRAM

Monday 12.11.2012

- 08:30 find the big bus at the parking lot behind Crowne Plaza
08:45 latest departure time of bus (travel: 83 km, 1:30 hours)
10:15 - 11:00 Arrival + check-in
11:00 - 12:00 **Thomas Henning:** *Welcome, overview of PSF research*
12:00 - 12:30 Session 'Galactic Center' (chair: Nils Lippok)
12:00 **Wolfgang Brandner:** *A close view of Galactic starburst clusters*
12:15 **Elisabeth Mills:** *The fate of the Galactic center Circumnuclear Disk*
12:30 Lunch break
14:00 - 15:30 Session 'Clusters / Star Formation' (chair: Arjan Bik)
14:00 **Bertrand Goldman:** *The Hyades mass function with PanSTARRS1*
14:15 **Joshua Schlieder:** *The CASTOFFS Survey: First Results From a Search
for New, Nearby Young Stars*
14:30 **Rolf Kuiper:** *Accretion physics in the formation of massive stars*
14:45 **Taisiya Kopytova:** *Photometry and High-Resolution Spectroscopy of
CHXR 20: origin of the variability*
15:00 **Mykola Malygin:** *Gas opacities for Massive Star Formation*
15:15 **Zoltan Balog:** *The extraordinary infrared variability of the young
protostar LRL54631*
15:30 - 16:00 Coffee break
16:00 - 16:45 Guided tour of the Monastery
16:45 - 17:45 free time / informal discussion
17:45 - 19:00 **who is who:** *1-slide self-introductions in 1-minute cadence*
19:00 Dinner
>20:30 Free evening

Tuesday 13.11.2012

- 08:00 - 09:00 Breakfast
- 09:00 - 10:30 Session 'Young Systems I' (chair: Christoph Mordasini)
- 09:00 **Hubert Klahr:** *How frequent are Disk Fragmentation Planets?*
- 09:15 **Amelia Bayo:** *Disk fraction evolution and dependence on the central object's mass*
- 09:30 **Natalie Raettig:** *Vortices in baroclinic disks and their implication on planet formation*
- 09:45 **Casey Deen:** *The Effect of Magnetic Fields on the Physical Parameters of Young Stellar Objects*
- 10:00 **Jonathan Menu:** *TW Hydrae: a multi-wavelength interferometric study of a transitional disk*
- 10:15 **Karsten Dittrich:** *Planetesimal Formation in Zonal Flows*
- 10:30 - 11:15 Coffee Break
- 11:15 - 12:45 Session 'Young Systems II' (chair: Natalie Raettig)
- 11:15 **Dmitry Semenov:** *Molecules in protoplanetary disks*
- 11:30 **Clement Surville:** *Vortex families in protoplanetary disks*
- 11:45 **Christine Koepferl:** *Disk Dispersal of YSOs*
- 12:00 **Aiara Lobo-Gomes:** *Planets spawning vortices in Baroclinic Disks*
- 12:15 **Kai-Martin Dittkrist:** *Global effects of updated migration models*
- 12:30 **Jeroen Bouwman:** *Disks around Herbig Ae/Be Stars - The Herschel View*
- 12:45 Lunch break
- 14:00 - 19:00 free afternoon / hike
- 19:00 Dinner
- >20:30 Free evening

Wednesday 14.11.2012

- 08:00 - 09:00 Breakfast
- 09:00 - 10:30 Session 'Interstellar Medium' (chair: Svitlana Zhukovska)
- 09:00 **Jouni Kainulainen:** *Revealing the column density structure of IRDCs with high-dynamic-range dust extinction mapping*
- 09:15 **Simon Bihr:** *Kinematics, Temperature and Turbulence of Infrared Dark Clouds*
- 09:30 **Siyi Feng:** *Submillimeter Synthesis Study of 3 high mass star formation sources: IRAS 05358+3543, NGC7538IRS1 and NGC7538S*
- 09:45 **Markus Nielbock:** *B68 - The Herschel view*
- 10:00 **Thomas Gerner:** *The chemical evolution in the early phases of massive star formation*
- 10:15 **Sarah Ragan:** *Resolving the seeds of massive stars and clusters with Herschel and SABOCA*
- 10:30 - 11:15 Coffee Break
- 11:15 - 12:30 Session 'Exoplanets & Brown Dwarfs I' (chair: Ian Crossfield)
- 11:15 **Adrian Glauser:** *Overview of the instrument study for ECHO*
- 11:30 **Patricio Cubillos:** *Exoplanet characterisation with Spitzer secondary eclipses*
- 11:45 **Simona Ciceri:** *A lower mass and radius for HAT-P-8; exoplanet characterisation*
- 12:00 **Zhao Sun:** *A simple model of exoplanetary atmosphere retrieval*
- 12:15 **Joseph Harington:** *Evaluating Potential Causes of the Two Observational Classes of Exoplanets*
- 12:30 Lunch break
- 14:00 - 14:45 Session 'Exoplanets & Brown Dwarfs II' (chair: Paul Boley)
- 14:00 **Yan Betremieux:** *Biosignatures in the ultraviolet spectra of a transiting Earth-like planet*
- 14:15 **Niall Deacon:** *Probing the local low-mass population*
- 14:30 **Viki Joergens:** *Outflows and disks of brown dwarfs*
- 14:45 - 15:00 Adjourn (Henning)
- 15:00 - 15:30 Coffee
- 15:30 departure from Hoechst
- 16:45 - 17:15 Arrival in Heidelberg