
PLATO
Science Conference
February 24-25, 2011
Technische Universität Berlin

Program

Thursday Morning

09:00	**Welcome (H. Rauer)**
09:10 09:20	**M. Fridlund** The Status of PLATO
09:30 09:40	**C. Catala** The PLATO mission
09:50 10:00	**H. Rauer** PLATO Science Preparation organisation
10:10 10:20 10:30	**A. Baglin** The CoRoT Mission
10:40 10:50 11:00	**Coffee break**
11:10 11:20 11:30	**D. Latham** Insights from the Kepler Mission
11:40 11:50	**R. Nelson** Recent models of planetary systems formation
12:00	**A. Johansen** Terrestrial planet formation in the PLATO era
12:10 12:20	**G. Hébrard** The obliquities of the planetary systems detected with PLATO
12:30	**M. Havel** The Mass-Radius relationship for gas giants

Thursday Afternoon

14:15 14:20	**D. Pollacco** PLATO - Exoplanet Science
14:30 14:40	**J. Cabrera** Planet detection approach in PLATO Lessons learned from CoRoT and Kepler
14:50 15:00	**M. Pätzold** The Needle in the Haystack: Searching for Planetary Transits in Stellar Lightcurves
15:10	**R. Silvotti** Exoplanet detection through timing
15:20 15:30	**S. Dreizler** Planetary systems of post-common envelope binaries
15:40	**D. Ehrenreich** Transmission spectra of exoplanet atmospheres
15:50 16:00 16:10	**Coffee break**
16:20 16:30	**G. Piotto** PLATO - Field Selection
16:40 16:50	**M. Barbieri** A pre-GAIA vision of the solar neighbourhood
17:00	**S. Ortolani** Considerations on the selection of the targets
17:10 17:20	**S. Mathis** On star-planet interactions
17:30	**P. Wheatley** Planets around M stars with PLATO
17:40 17:50	**J. Linsky** Characterizing the radiation environment of M dwarf exoplanets
18:00	**H. Lammer** Testing atmospheric evolution scenarios by UV-transit observations of Earth-like exoplanets around M-stars
18:10	**Snacks & Poster**

Friday Morning

09:00 09:10	**S. Udry** PLATO - Follow Up
09:20 09:30	**F. Bouchy** Radial Velocity Follow Up
09:40	**R. Díaz** Radial Velocity Simulations of Blended Stellar Systems
09:50 10:00	**C. Watson** Disentangling planetary signatures from stellar jitter
10:10 10:20	**M.-J. Goupil** PLATO - Stellar Science
10:30	**T. Morel** Non-seismic diagnostics and model atmospheres'
10:40 10:50	**Coffee break**
11:00 11:10 11:20	**J. Christensen-Dalsgaards** Stellar evolution and asteroseismology
11:30 11:40	**L.Gizon** CoRoT seismology of a solar-like planet-host star
11:50	**A. Valio** Stellar physical characteristics from transits
12:00 12:10	**F. Lignieres** Mode identification in fast rotating classical pulsators
12:20	**G. Wuchterl** AGE - concepts, stars, planets, accuracy and what CoRoT tells me
12:30 12:40	**T. Granzer** Getting precise stellar parameters in PLATO's first field

Friday Afternoon

14:20 14:30	**S. Vauclair** Helium abundance and Asteroseismology of Exoplanets-host stars
14:40	**J. Southworth** Eclipsing binary stars: Free science from PLATO
14:50 15:00	**I. Roxburgh** Stellar surface layer independent model fitting and inversion
15:10	**G. Houdek** Amplitude ratios and phase shifts in solar-type stars
15:20 15:30 15:40	**Coffee break**
15:50 16:00	**W. Weiss** PLATO - Additional Science
16:10 16:20	**S. Littlefair** Brown dwarf atmosphere science with PLATO
16:30	**R. Szabo** Additional Science on Classical Variable Stars with PLATO
16:40	**Goodbye (H. Rauer)**