

PLATO 2.0 News:

October 31, 2014

Report on the meeting “Planet formation and dynamics in the PLATO era”

The workshop **Planet formation and dynamics in the PLATO era** was held at Queen Mary University of London on the 4th and 5th September 2014. The meeting was organized primarily to build community participation in the work packages WP116 100 (Mass-radius relation for ice- and gas-giants), WP116 200 (Mass-radius relation for terrestrial planets) and WP116 300 (Exoplanetary formation and orbital evolution). Approximately 50 researchers from around Europe attended, demonstrating the high level of interest from the theory community in having involvement in PLATO 2.0.

The meeting started with an overview of the PLATO 2.0 mission presented by Don Pollacco. Participants then presented short talks describing recent research results in PLATO-relevant science areas, covering diverse topics such as the latest interior structure models of terrestrial and gas-giant planets, recent developments in planet migration theory, population-synthesis models, the dynamics of multi-planet systems, and the post-main sequence evolution of planetary systems (the full list of talks may be seen at <http://astro.qmul.ac.uk/meetings-and-workshops/plato/programme-meeting-location>).

Lively discussion sessions were held that focused on how the theory community can contribute to the success of the PLATO 2.0 mission by providing a theoretical foundation for interpreting PLATO data, and resulted in suggestions for a number of additional work packages. Future meetings to discuss progress in achieving work package milestones will be held at regular intervals in the coming years.

Upcoming events:

December 3-5, 2014: PLATO 2.0 Science Conference
March 2016: Mission Adoption & IPC approval

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