

The Workshop for Exoplanetary Systems: Discovery and Characterization

Kunming, China, November 17-19, 2014

First Announcement

Up to now, there are 1800 extra solar planets discovered by using different techniques, but they are still not enough to understand the planetary population well. Therefore, many surveys are operating now or are planning to operate in the near future. Furthermore, not many planetary systems are characterized in details, e.g. the precise physical parameters, Rossiter-McLaughlin (R-M) effect, transmission spectrum, transit timing variation (TTV), etc., which are the key points to understand their formation, structure and evolution.

Nowadays, exoplanetary systems are the quickly expanding research field, and the interest of this topic is growing among the whole astronomy community, but the local research status on observing exoplanetary systems is not flourishing like the western countries. Thus, we plan to hold a small workshop with the aim to push the local development in this exciting research field, which will bring the researchers outside and the local peoples together to discuss the future on exoplanet research in this area, and its topics will focus on the discovery (transit, RV, microlensing) and characterization (host star, TTV, transmission spectrum, R-M effect) of exoplanets.

Sponsors: Yunnan Observatories & Key laboratory for the structure and evolution of the celestial objects, Chinese Academy of Sciences.

Date: November 17-19, 2014

Venue: Kunming, Yunnan Province, China

Participants: up to 30 persons

Registration fee: free

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Website: <http://www.ynao.ac.cn/exoplanetmeeting> (open soon)

The preliminary program

November 16: Registration

November 17: Discovery for extra solar planets

--Transit survey

--RV survey

--Microlensing survey

Characterization for extra solar planetary systems (1)

--The host stars

November 18: Characterization for extra solar planetary systems (2)

--Precise physical parameters

--TTV

--R-M effect

--Transmission spectrum

November 19: Excursion

--Stone forest