



Münchner Physik- Kolloquium

Winter
2016/17

Extrasolar planetary systems

Prof. Dr. Wilhelm Kley, *Institut für Astronomie und Astrophysik, Universität Tübingen*

Monday, 23 January 2017, 17:15 h

Hörsaal H 030, Fakultät für Physik der LMU, Schellingstraße 4, München

As of today more than 2600 exoplanetary systems that contain over 3500 planets have been discovered. Due to the tremendous success of the Kepler space-mission the majority of these systems have been detected using the transit method followed by the Radial Velocity technique. More, complementary discoveries are to be expected by the Gaia and PLATO space-missions in the near future. The observations indicate that planets are likely to be found in systems with several objects rather than being lonesome travelers with very interesting orbital dynamics. In the talk, first the present observational status of exoplanets will be presented, followed by an analyses of the theoretical attempts to understand the complex orbital dynamics as a consequence of the formation process of planetary systems.

Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Wilhelm Kley before his Munich Physics Colloquium talk.

Be curious and feel free to ask any question.

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Room HU123 (basement), Fakultät für Physik der LMU, Schellingstraße 4, München

