



DESYS Seminar

10 November, 17:00, DESY Hörsaal

Philip Yock,
(University of Auckland, New Zealand)

*The MOA Project on Gravitational
Microlensing
and the Detection of Earth-Like Extrasolar
Planets*

The following topics will be described:

1. Typical characteristics of galactic micro-lensing,
2. Simulation of gravitational lensing by a plastic lens,
3. Japan/NZ telescope used by the MOA group in New Zealand for gravitational micro-lensing,
4. Planetary micro-lensing, and the similarity to Rutherford scattering,
5. Planetary detections by gravitational micro-lensing,
6. Micro-lensing by a binary lens,
7. Stellar shape measurement with 0.04 micro arcsec resolution,
8. Resolving the Einstein images with the Very Large Telescope Interferometer of the European Southern Observatory,
9. Future plans in Antarctica, in Namibia, and in space.

- Tea and cookies will be served at 16:45 in the lobby.
- After the seminar there is a chance for private discussions with the speaker over wine and pretzels also in the lobby.