

## Dark Energy (Part 1)

*Thursday 13 January 2011 10:00 (1 hour)*

- Lambda-CDM and its problems \* canonical scalar field models of dark energy \* parametrisation of the DE equation of state, how to measure it (with special emphasis on using SN-Ia to probe the luminosity distance), current constraints \* models that modify gravity \* impact on perturbations in the Universe (e.g. growth of structure) \* outlook (future experiments, e.g. Euclid)

**Presenter:** KUNZ, Martin (Unknown)