

# MITP Workshop on Low-Energy Precision Physics



**Monday 23 September 2013 - Friday 11 October 2013**

**MITP - Mainz**

## **Scientific Programme**

The scientific program will be focussed on the theory of low-energy precision physics relevant to the MESA and TRIGA initiatives. Topics include searches for TeV-scale physics beyond the Standard Model via ultra-precise measurements of parity-violating electron scattering asymmetries, determinations of neutron decay parameters via precision measurements of its lifetime and decay asymmetries, and searches for EDMs of nucleons, nuclei and atoms. The necessary high-precision theoretical tools to analyse these experiments, which include advanced calculations of radiative corrections, will be explored and developed.