



Credit: Bottom: PMT array of the XENON100 detector (cc4.0 Jplenaar13)
Theory Blackboard (Ina Haneburger) collage by Ina Haneburger

TOPICAL WORKSHOP

DIRECT DARK MATTER DETECTION: EXPERIMENT MEETS THEORY

6-8 March 2017, Garching

The topical workshop will bring together theoretical and experimental physicists working on direct dark matter detection and related fields in order to identify optimal strategies for the analysis of these new data.

Topics to be covered in the workshop include:

- * Status report on direct detection experiments
- * Sub-GeV dark matter direct detection
- * Effective theory approach to dark matter scattering
- * Astrophysical uncertainties
- * Nuclear structure function calculation
- * Complementarity of different detection strategies

Venue

Max-Planck-Institut für Astrophysik (MPA)
Karl-Schwarzschild-Str. 1
Room E.0.11
D-85748 Garching

Organisers

Riccardo Catena, Jan Conrad,
Christian Forssén, Alejandro Ibarra,
Federica Petricca

Local organisation

Theresa Kämper, Susann Blauwitz,
Ina Haneburger (MIAPP)

www.munich-iapp.de/dark_matter2017



MIAPP Munich Institute for
Astro- and Particle Physics