



# 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 soon available 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](http://www.munich-iapp.de/dark_matter2017)



**MIAPP** Munich Institute for  
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