

**FAKULTÄT für PHYSIK  
LUDWIG-MAXIMILIANS-UNIVERSITÄT  
MÜNCHEN/GARCHING**

**PHYSIK-DEPARTMENT  
TECHNISCHE UNIVERSITÄT MÜNCHEN  
MÜNCHEN/GARCHING**

## **MLL-KOLLOQUIUM**

**Donnerstag, 07.06.2018, 16<sup>15</sup> Uhr**

Hörsaal der LMU in Garching, Am Coulombwall 1  
Treffen zum gemeinsamen Kaffee 16 Uhr

**Dr. Mathias Garny**

**(Physik Department T31, TU München)**

### **Dark Matter beyond the WIMP paradigm**

The observational evidence for Dark Matter from its gravitational impact over a wide range of scales is compelling. Dark Matter could be comprised of a new particle species, whose properties are yet unknown. In particular, there is no clear evidence for an interaction between Dark Matter and visible matter aside from gravity. In this talk, I will discuss possibilities to probe the properties of Dark Matter in the absence of a sizeable coupling to the known particle species.

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