



# PHYSIKALISCHES KOLLOQUIUM

des Fachbereichs Physik  
der Johann Wolfgang Goethe-Universität Frankfurt

Mittwoch, den 08.02.2017, 16 Uhr c.t.  
Großer Hörsaal, Raum \_0.111,  
Max-von-Laue-Str. 1



**Prof. Dr. Dr. h.c. Manfred Lindner**

Max Planck Institut fuer Kernphysik  
Heidelberg, Germany

## *"Direct Dark Matter Search"*

Various indirect hints for Dark Matter point towards promising solutions. The talk will cover these indications and different methods suited to verify or refute these hints for new physics. The direct detection experiment XENON1T will be described in detail to illustrate the challenging requirements and opportunities of leading projects in the field. The talk will conclude with the latest results and an outlook for the coming years.

Die Dozenten der Physik