



# Münchner Physik- Kolloquium

sommer  
2019

## Cryo-EM studies of amyloids

Prof. Dr. Gunnar Schröder, *Forschungszentrum Jülich*

Monday, 20 May 2019, 17:15 h

Hörsaal H 030, Fakultät für Physik der LMU, Schellingstraße 4, München

Amyloids are associated with many diseases. The recent breakthrough in the cryo-EM technique has made it possible to study the structure of amyloid fibrils by cryo-EM to high resolution. The technique will be introduced and applications to different amyloid structures presented, in particular the structure of the amyloid- $\beta$  fibril ( $A\beta$ 1-42), which is involved in Alzheimer's disease. Furthermore, new image processing methods will be presented to reconstruct macromolecular motions from single-particle image data.

## Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Gunnar Schröder before his Munich Physics Colloquium talk.

*Be curious and feel free to ask any question.*

Monday, 20 May 2019, 16:00 h,

Room H 522 (5th floor), Fakultät für Physik der LMU, Schellingstraße 4, München

