



Münchner Physik- Kolloquium

Sommer
2022

On the life and death of magnetic textures

Prof. Dr. Christian H. Back, *Technische Universität München*

Monday, 30 May 2022, 17:15 h

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

■ Neben der Veranstaltung vor Ort sind die Vorträge in diesem Semester auch als

Videoübertragung im Internet verfügbar: <https://tum-conf.zoom.us/j/93234766313>

Meeting-ID: 932 3476 6313; Password: Kolloquium; Please install the software in advance.

In recent years there has been intensive interest and a large research effort in the field of magnetization dynamics on time scales below 1 ps. Much less attention has been paid to non-repetitive phenomena taking place on longer time scales between nanoseconds up to several seconds. One of the reasons is the lack of non-repetitive magnetic microscopy methods with high spatial and temporal resolution.

In this talk I will present examples of the rich evolution of magnetic textures near magnetic instabilities observed using threshold photoemission electron microscopy and time resolved transmission electron microscopy.

Student event: Meet the speaker

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

Be curious and feel free to ask any question.

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

