



Münchner Physik- Kolloquium

sommer
2018

From dust storms on Mars to streaming in protoplanetary disks

Prof. Dr. Gerhard Wurm, *Universität Duisburg-Essen*

Monday, 18 June 2018, 17:15 h

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

On Mars dust storms can rage the whole planet and dust devils frequently cross its barren land. The physics is richer though as gas no longer follows the rules we know so well at Mars' low ambient pressure. Gas can creep along surfaces from cold to warm sides, somewhat counterintuitively.

Different story, some not so ordinary interaction between gas and solids might also be important in protoplanetary disks. Here, so called streaming instabilities can concentrate solids to become larger bodies, eventually.

These effects can be studied in laboratory experiments, on ground as well as under microgravity.

Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Gerhard Wurm 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

