

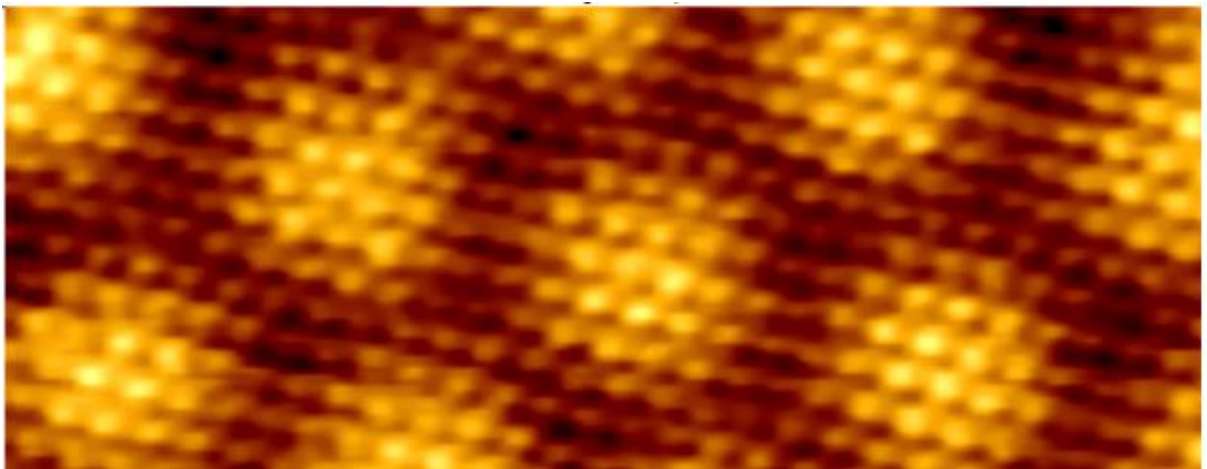
AG Festkörperphysik

Prof. Dr. Carsten Busse

Interested?
More info via mail,
phone (3583) or in
person (ENC-B 009)

Master Thesis (Nanoscience)

Optimizing the preparation of ultrathin materials



Transition metal dichalcogenides are an important subgroup of 2D materials. We prepare them under highly controlled conditions using Molecular Beam Epitaxy (MBE). This project focuses on fine-tuning growth conditions, leveraging control electronics, implementing feedback loops, and advancing automation. You will work hands-on with state-of-the-art tools to optimize the growth process