

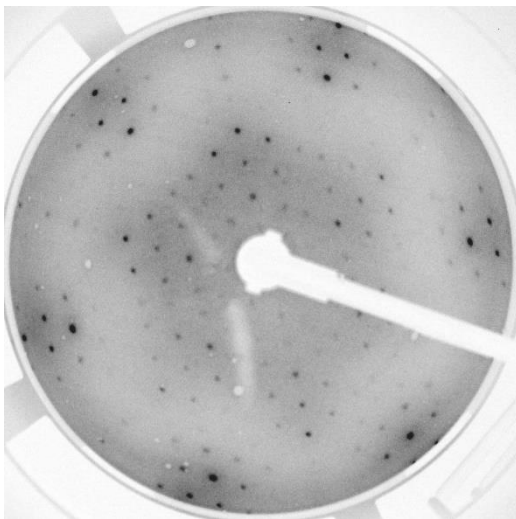
AG Festkörperphysik

Prof. Dr. Carsten Busse

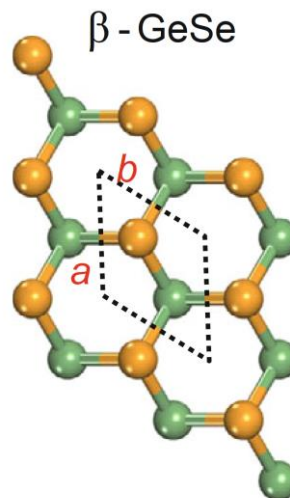
Interested?
More info via mail,
phone (3583) or in
person (ENC-B 009)

Master Thesis (Physics)

Hexagonal GeSe – a new 2D-material



*Hexagonal structure of GeSe on
Au(111) by electron diffraction*



*Theoretical prediction
Zhang et al., Sci. China Mater. **58**, 929 (2015)*

Two-dimensional materials are a new research area in solid state physics. These ultra-thin systems show novel properties that are also interesting for applications. We found a new form of 2D germanium selenide that evades direct imaging up to now. Your task is to determine the atomic structure of this material using our new scanning tunneling microscope.