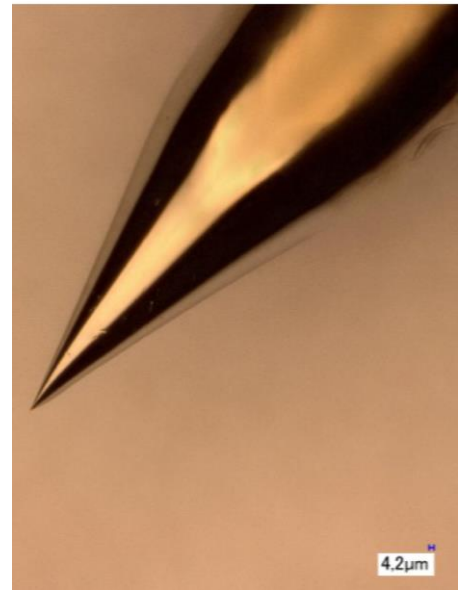
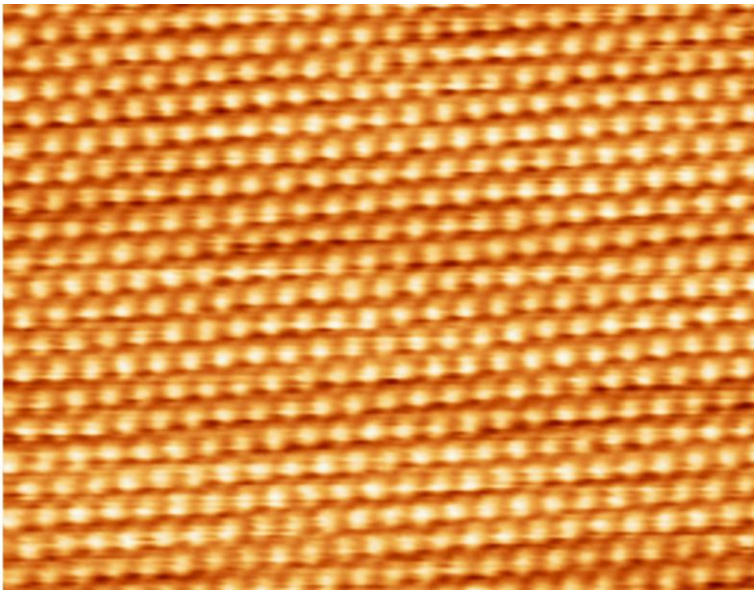


# AG Festkörperphysik

Prof. Dr. Carsten Busse

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

## Master Thesis (Nanoscience) Controlled preparation of tips for scanning tunneling microscopy



Scanning tunneling microscopy (STM) allows the characterization of surfaces on the atomic scale. The tip of the STM is the most important and most delicate part, and its preparation is crucial for all measurements. In this project, an existing setup for tip preparation will be optimized with the goal of a routine fabrication of reliable tips for our ultra-high vacuum microscopes.