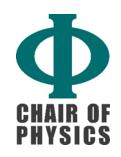


Lehrstuhl für Physik

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S E M I N A R on Semiconductor Physics and Nanotechnology

Mo, 25.11.2024, 11:15 Uhr,

Seminar in person in the Physics lecture hall *or* via Zoom

"Chiral Symmetry Breaking: Crystallisation of Molecules at Surfaces"

Prof. Dr. Roland Resel

Institute of Solid State Physics, Graz University of Technology, Austria

Chiral symmetry breaking of molecular crystals is a spontaneous processwhichseparates molecules into their chiral state so that they canform enantiomorphorystal structures. The talk will introduce important terms which are related to chirality of molecules. Two different types of axially chiralmolecules will be introduced together with their abilities to crystallize in achiral statewithin thin films. Two experimental methods – anomalous X-raydiffraction and electronic circular dichroism - will be introduced which are used for determination of the chirality within thin films.

Zoom – Link:

https://zoom.us/j/96375934537?pwd=RTIKTWhSdzRHU211YTY1bGFxTUtpZz09 Meeting-ID: 963 7593 4537 Kenncode: =r=4YQ