

IMPRS UFAST core course
Solid State Physics
Michael Sentef

Abstract:

From a microscopic point of view, a solid is just a regular arrangement of atoms, embedded in a soup of electrons. Yet, a remarkably rich manifold of phenomena emerges from this simple starting point, ranging from simple metals and semiconductors to multiple kinds of magnetic order or superconductivity. In this course we will discuss basic properties of solids and their microscopic understanding.

Topics include:

- band theory
- screening
- phonons
- ordered phases

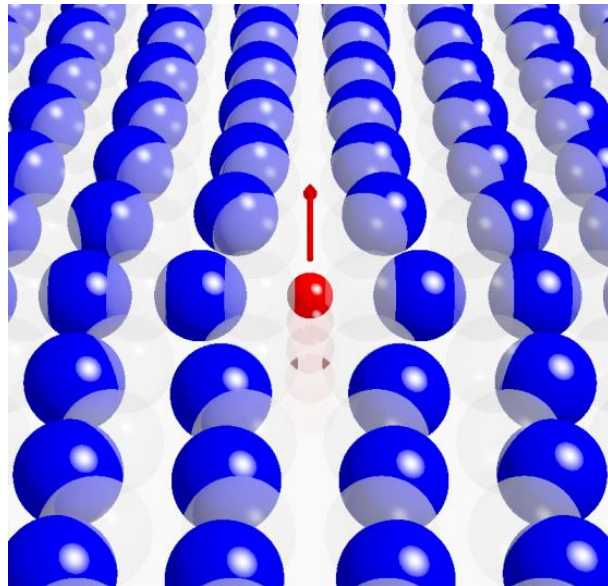


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9th – 13th May 2022
CFEL/building 99
Seminar room O1.060

09:30h – 12:30h

Register on Geventis I-UF C3