



UNIVERSITÄT
LEIPZIG

Fakultät für Physik und
Geowissenschaften

Prof. Dr. M. Grundmann, Dekan

Fakultäts-Kolloquium - Antrittsvorlesung -

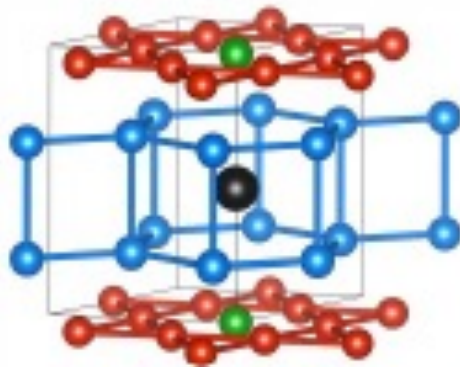
Dienstag, 13. Juni 2023, 16:30 Uhr

Prof. Dr. Alexander Tsirlin

Felix-Bloch-Institut für Festkörperphysik, Universität Leipzig

The World of Kagome

The simple geometrical pattern known as *kagome* from the shape of the traditional Japanese basket has multiple repercussions when considered in the solid-state context. In this talk, I will introduce two main manifestations of this kagome network in, respectively, magnetic insulators and topological metals and show how the physics of kagome systems brings together different areas of solid-state research, from low-temperature physics to mineralogy. Some of the key properties of kagome systems, including the formation of quantum spin liquid and superconductivity, will be illustrated by recent examples of materials inspired by natural minerals and developed through a systematic search for new chemical compounds.



***Kleiner Hörsaal,
Linnéstraße 5, 04103 Leipzig***

Alle Teilnehmer sind im Anschluss an den Vortrag (ab ca. 17:30 Uhr) zu einem Empfang mit Snacks und Getränken in der Aula eingeladen.