



Experimentelle
Physik 2

Seminar Festkörperphysik (CMP Seminar)

Aktuelle Probleme der Festkörperphysik für Studenten und Mitarbeiter
020236 Kolloquium/Seminar WS 24/25

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Solid state physics and photonics at University Clermont Auvergne

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In this talk, I will present the current state of research and the most recent advances in solid state physics and photonics achieved in the PHOTON department of the laboratory Institut Pascal (joint research unit of CNRS and University Clermont Auvergne), composed of the groups of Crystal Growth, Surface Studies, Optical Spectroscopy, Numerical Electromagnetics, and Quantum Optoelectronics and Nanophotonics (our group). While I will briefly present the activities of all groups, I will focus more on the results of our group, centered around strong light-matter coupling, quantum fluids, and topological photonics.

Our laboratory has recently signed a specific agreement on student exchanges with the Physics department of TU Dortmund and obtained a local grant “Graduate Track of Physics and Mathematics”. My main goal is to advertise the opportunities of research in our lab for incoming and outgoing internships at the Master level, as well as to look for possibilities for joint thesis proposals.