

Announcement & Invitation

Lecture on

Foundations of Charge Particle Optics Winter Semester 2025/2026

Prof. Dr. Axel Lubk

WHERE? REC/C118/U

WHEN? Thursday, 6. DS (16:40 – 18:10)

First lecture: 16th October 2024

OPAL: <https://bildungsportal.sachsen.de/opal/auth/RepositoryEntry/32448610304?8>

WHO? Bachelor, Master and PhD Students in Physics

The lecture will be given in English. Hands-on experience optional.

Topics: electric and magnetic fields in charge particle optics (CPO), Hamiltonian equations of motion, paraxial approximation, aberrations, ray tracing, basic elements (e.g., round lens, sector magnet) and modern applications (energy filter, monochromator, electron microscope, focused ion beam)

