

Mastervorlesung Oberflächen und Grenzflächenphysik mit Übungen

für Studierende der Physik, Chemie und Nanowissenschaften

D und etwas E, 4 KP, #24346-01

- Lectures: 18.2. to 27.5.2014, Di 10 -12
Dept. Physik, Seminarzimmer 3.12.
- Di, 18.2. Fixing Dates, Intro to Vacuum Technology, Laboratory visit Basel (R. Steiner, T. Jung, Th. Nijs, A. Shchyrba)
- Di, 25.2. Introduction, Concepts Samples and Structure (T. Jung)
- Di, 4.3. Adsorption / Desorption (T. Jung)
- Di, 11.3. X-ray Absorption Spectroscopy (F. Nolting)
- Di, 18.3. Surface Magnetism XMCD / PEEM (A. Kleibert)
- Di, 25.3. Electronic Properties and Surface Electron Spectroscopies: XPS/UPS, Auger, ARPES (A. Romanyuk)
- Di, 1.4. Diffusion and Growth (T. Jung)
- Di, 8.4. Evaluating the skin of crystals using electron diffraction (LEED and RHEED) (B. Müller)
- Di, 15.4. Local Probes and Experiments I, STM, Inelastic tunneling and STS (T. Jung)
- Di, 22.4. Local Probes and Experiments II, AFM (T. Jung)
- Di, 29.4. AFM Surface Optics, Kelvin Probe (T. Glatzel)
- Di, 6.5. Applications of Surface Science in Industry (M. de Wild)
- Di, 13.5. Schlussprüfung (J. Nowakowski, S. Nowakowska, M. Baljovic, T. Jung)
- Di, 20.5. Excursion (all)

