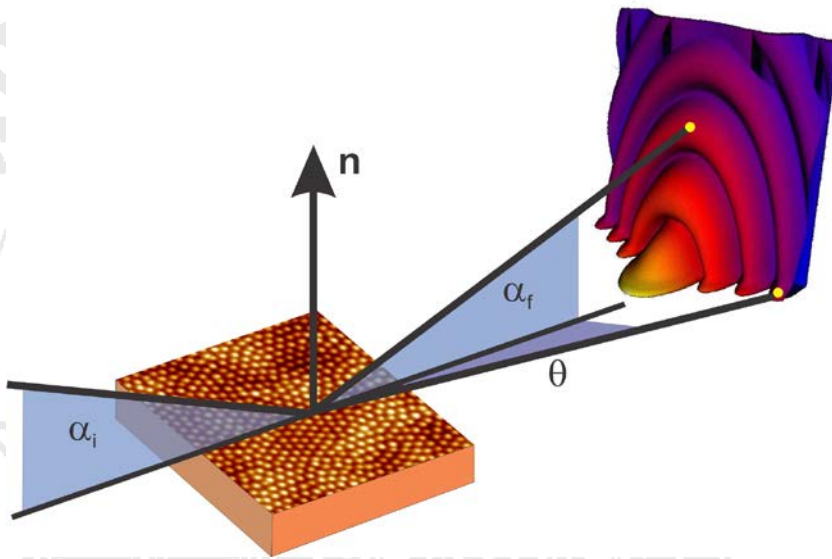


PHYSIKALISCHES KOLLOQUIUM

AM 1. JUNI 2015 UM 17 UHR C.T.

IM GROßEN HÖRSAAL



X-RAY NANOSCALE ANALYSIS

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X-rays have been proven to be a powerful and reliable tool in studying a large diversity of micro- and nanoscale objects. The wavelength of X-rays is a perfect fit to the typical sizes of basic structures used in all modern technologies and science: crystallographic lattice in semiconductor thin films; biological molecules in protein crystallography; nanoscale objects like quantum dots and quantum wires in optoelectronics; and many others. This fact initiated the intensive development of various X-ray measurement techniques and instrumentation to satisfy the large variety of requirements coming from scientific and industrial communities.