

NEUTRON AND SYNCHROTRON RADIATION

Winterschool 2005

PROGRAM:

Topic	Title	Speaker
General	Overview on synchrotron and neutron applications	Laggner (Graz)
	Synchrotron sources and instrumentation	Bernstorff
Spectroscopy X-rays	X-ray microbeams	Riekell
	EXAFS, XANES	Vlaic
	Photoemission spectroscopy	Surnev
	X-ray fluorescence - SRTXRF	Streli
	X-ray fluorescence - SRXRF	Wobbrauschek
Scattering	Circular dichroism Infrared/Raman	Quaroni
	SAXS and SANS on biomaterials	Pabst
	SAXS and SANS in soft condensed matter	Glatter
Diffraction of X-rays	Time-resolved scattering and GISAXS	Amenitsch
	Imaging techniques	Paris
	Protein crystallography	Kratky
	Inorganic crystallography	Tillmanns
	Surface diffraction	Stangl/Bauer
	NESY Meeting	D.Weselka
	Stress & texture studies	Pyzalla
	Coherence phenomena	Stadler
	Neutron sources and instrumentation	Rauch
	Research at ILL	Press
Neutrons	Polarized neutrons	Badurek
	Ultracold neutrons	Geltenbort
	Scattering on magnetic structures	Gratz
	Inelastic scattering	Krexner