

Opportunities for Soft X-ray Science at PETRA IV

Wednesday 27 September 2017

Registration - SemRoom FLASH (28c) (12:00-13:30)

Welcome - SemRoom FLASH (28c) (13:30-13:45)

- Presenters: SCHROER, Christian

FACILITY TALKS - SemRoom FLASH (28c) (13:45-15:00)

time	[id] title	presenter
13:45	[20] Challenges of ultimate storage ring design	AGAPOV, Ilya
14:10	[21] Soft X-ray Undulators	TISCHER, Markus
14:35	[22] Pushing the limits of Soft X-ray Beamlines at DLSRs	VIEFHAUS, Jens

Coffee break - SemRoom FLASH (28c) (15:00-15:30)

START SESSION - SemRoom FLASH (28c) (15:30-17:00)

time	[id] title	presenter
15:30	[23] Soft X-ray Nanospectroscopy at PETRA IV	ROSSNAGEL, Kai
16:00	[24] A superficial look at water	BJOERNEHOLM, Olle
16:30	[25] Coherent microscopy with soft X-rays at PETRA III	ROSENHAHN, Axel

Poster session - SemRoom FLASH (28c) (17:00-18:15)

[id] title	presenter	board
[52] Multiple Ionization of Ne ⁺ Ions by Photoabsorption Near the K Edge	BUHR, Ticia	
[53] Soft X-ray STXM with Fluorescence – Limits for Biomedical Applications Now and with Petra IV	LüHL, Lars	
[54] Electronic structure of topological materials probed by soft X-ray photoelectron spectroscopy	SCHATZ, Sonja	
[55] Molecular frame photoelectron angular distributions in the high energy limit	VELA-PEREZ, Isabel	
[56] Search for Circular Dichroism Effects in the Auger Decay of Methyloxirane	NANLIN, Giammarco	
[57] High-resolution soft x-ray holographic microscopy of magnetic nanodot arrays	WAGNER, Jochen	
[58] Observation of electron back-to-back emission from the quasifree mechanism of helium at 800 eV photon energy	GRUNDMANN, Sven	
[59] The Percival soft X-ray Imager P2M system	MARRAS, Alessandro	
[60] Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation	WELLER, Miriam	
[62] Spatial coherence determination from the Fourier analysis of a resonant soft X-ray magnetic speckle pattern	BAGSCHIK, Kai	

Barbecue - SemRoom FLASH (28c) (18:15-20:15)

Thursday 28 September 2017

LIQUID SYSTEMS - SemRoom FLASH (28c) (09:00-10:30)

time	[id] title	presenter
09:00	[27] Opportunities in liquid-jet photoelectron spectroscopy	WINTER, Bernd
09:30	[28] Hydrogen Bonding Structure of Aqueous Ammonia and Ammonium Probed with IR and X-ray Spectroscopy	EKIMOVA, Maria
09:50	[29] Opportunities for probing liquid interfaces at an advanced X-ray source	HERGENHAHN, Uwe

Coffee break - SemRoom FLASH (28c) (10:30-11:00)

ATOMIC, MOLECULAR, AND OPTICAL PHYSICS - SemRoom FLASH (28c) (11:00-13:00)

time	[id] title	presenter
11:00	[31] Imaging the correlated two-electron wave function of a hydrogen molecule	TRINTER, Florian
11:20	[32] Prospects for Photoionization Experiments with Charged Particles at PETRA IV	SCHIPPERS, Stefan
11:50	[33] Soft X-ray AMO Experiments at SOLEIL - where do we go from here	BOZEK, John
12:20	[34] Petra IV - Soft X-rays: Future Opportunities for COLTRIMS measurements	JAHNKE, Till

Lunch break - DESY canteen/Cafe CFEL (13:00-14:30)

RESONANT INELASTIC X-RAY SCATTERING - SemRoom FLASH (28c) (14:30-16:00)

time	[id] title	presenter
14:30	[36] New concepts for efficient RIXS spectrometers	REHANEK, Jens
15:00	[37] A new instrument for q-dependent (in-) elastic scattering and applications	BEYE, Martin
15:20	[38] The ChemRIXS as a possible end-station for a soft X-ray beamline at PETRA IV	BUSSE, Philipp
15:40	[39] Directions for Soft X-ray RIXS in support of dynamic measurements	MIEDEMA, Piter

Coffee break - SemRoom FLASH (28c) (16:00-16:30)

ADVANCED SPECTROSCOPY - SemRoom FLASH (28c) (16:30-18:30)

time	[id] title	presenter
16:30	[41] High-resolution photoemission in the soft and tender X-ray range	SCHÖNHENSE, Gerd
17:00	[42] Magnetic Nanospectroscopy at very low temperatures using soft X-rays	BAEV, Ivan
17:30	[43] Experiences with nanoARPES at the ALS in Berkeley	ULSTRUP, Soeren
18:00	[44] Three-dimensional Fermi surfaces from Diamond Light Source	HOESCH, Moritz

Friday 29 September 2017

IMAGING - SemRoom FLASH (28c) (09:00-11:00)

time	[id] title	presenter
09:00	[48] Soft X-Ray Nanoimaging at PETRA IV	WILHEIN, Thomas
09:30	[49] Scanning Soft X-ray Microscopy Techniques for High Brilliance Sources	WEIGAND, Markus
10:00	[50] Probing deeply supercooled water in a jet	GOY, Claudia
10:20	[51] New Science Opportunities with Coherent Soft X-Rays at PETRA IV	EISEBITT, Stefan

Coffee break - SemRoom FLASH (28c) (11:00-11:30)

Summary/Close-out - SemRoom FLASH (28c) (11:30-12:30)