



X-ray absorption spectroscopy at PETRA III Beamlines P64 and 65

Thursday, 26 January 2017

CFEL Bldg. 99, Seminar Room V

Beamline P65 went into full user operation in June 2016, and P64 got first beam in May 2016. The satellite workshop shall give an overview about the current status of both beamlines P64 and P65, and the associated projects. Short- and long-term plans for instrumentation concerning experimental techniques and sample environments will be presented and discussed. Present and future users are strongly encouraged to participate in this workshop and to discuss their options with the beamline staff.

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PROGRAMME

Session 1: Instrumentation

Chair: Wolfgang Caliebe

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| 13:00 | Welcome | Wolfgang Caliebe | DESY |
| 13:05 | Status of P64 | Vadim Murzin | DESY |
| 13:25 | Status and preliminary results of the high-resolution XES Spectrometer at P64 | Aleksandr Kalinko | Univ. Paderborn |
| 13:45 | P65, the first year with user operation | Edmund Welter | DESY |
| 14:10 | Taurus, Spock, Tango, Sardana – Software at the EXAFS-Beamlines | Roman Chernikov | DESY |
| 14:30 | Discussion: What is required for future experiments? Optics, detectors and software | | |

15:00 Coffee break

Session 2: Experimental Results

Chair: Edmund Welter

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| 15:30 | Oxygen 2s-spectroscopy at P01 | Georg Spiekermann | Univ. Potsdam |
| 15:50 | First in operando studies at beamline P65 | Matthias Steib | TU München |
| 16:10 | First in situ and operando X-ray absorption spectroscopic catalyst characterization at P64 | Andreas Gänzler | KIT |
| 16:30 | UiO-66 to MIL-140A - a combined XRD and XAFS analysis | Niclas Heidenreich | CAU Kiel |
| 16:50 | EXAFS of Silver Clusters in Ionic Liquids | Stefanie Röse | TU Dortmund |
| 17:10 | In Situ X-ray Absorption Studies on Electrode Materials for Rechargeable Lithium and Sodium Ion Batteries: An Overview of Measurement Time at P65 Beamline | Geethu Balachandran | KIT |
| 17:30 | Surface Spectroscopy in the DESY NanoLab | Heshmat Noei | DESY |
| | Discussion: Sample environments and preparation lab | | |
| 18:00 | End of meeting | | |