

# X-ray micro-fluorescence spectroscopy at the PETRA III extension: first user workshop

Wednesday 9th of June 2010 - Thursday 10th of June 2010

## Programme

### Wednesday, 9th of June 2010

13:00 - 13:30 Registration and come together, Building 25B, Room 109

#### **Introduction to PETRA III**

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**13:30 - 14:00 PETRA III extension project**

Wolfgang Drube

**14:00 - 14:30 Microprobe capabilities at the hard X-ray Micro/Nano-Probe P06**

Gerald Falkenberg

**14:30 - 15:00 Microprobe capabilities at the biological imaging/diffraction beamline P11**

Alke Meents

**15:00 - 15:30 Extreme Conditions Science Infrastructure (ECSI) at PETRA III and possibilities at the Extreme Conditions Beamline (ECB, P02.2)**

Peter Liermann

15:30 - 16:00 Coffee break

#### **Brief outline of beamline concept and bounding conditions**

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**16:00 - 16:45 Perfect Crystal monochromator and Beamline Concept**

Karen Appel

**16:45 - 18:00 Discussion about suitable characteristics of a micro-fluorescence spectroscopy beamline at the PETRA III extension**

- energy range
- focussing optics
- flux requirements

**Thursday, 10th of June 2010**

9:00 Come together, Building 25B, Room 109

**Session on applications**

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**9:00 - 9:30 Summary on BMBF round 2009**

N.N.

**9:30 - 10:30 User contributions on possible applications**

N.N.: 4-5 contributions, to be decided on workshop

**Session on beamline concept**

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**10:30 - 12:00 Beamline concept and discussion**

Karen Appel

- infrastructure
- space requirements
- additional instruments
- sample sizes
- experimental table

12:00 End of workshop

**starting at 13:00**

**EXAFS beamlines at the PETRA III extension: User workshop**

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