

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

Tuesday 27th of September 2011 - Wednesday 28th of September 2011

## Programme

### Tuesday, 27th of September 2011

13:00 - 13:10 Registration and come together, Building 25B, Room 109

#### Introduction to the PETRA III Extension

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**13:10 - 13:15 Welcome**

Karen Appel, DESY

**13:15 - 13:45 PETRA III extension project**

Wolfgang Drube, DESY

**13:45 - 14:15 Short spectroscopy undulators for the PETRA III extension**

Edmund Welter, DESY

**14:15 - 15:00 Optical layout for the micro-spectroscopy beamline P63**

Karen Appel, DESY

15:00 - 15:30 Coffee break

#### Micro-fluorescence spectroscopy at other European sources

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**15:30 - 16:15 If I knew then, what I know now ... I18 at Diamond 4 years on**

J. Frederick W. Mosselmans, Diamond Light Source

**16:15 - 17:00 PUMA - a beamline optimised for ancient materials at SOLEIL**

Sebastian Schoeder, Soleil

#### Session on experimental developments: part 1

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**17:00 - 17:30 Fluorescence detection during fast continuous scans**

Martin Tolkiehn, DESY

#### Short discussion on optical design for P63

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19:00 - open end Workshop dinner at DESY cafeteria

## Wednesday, 28th of September 2011

9:00 - 9:15 Come together, Building 25B, Room 109

### **Session on experimental developments: part 2**

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**9:15 - 10:00 X-ray Fluorescence Microscopy using the MAIA detector at the Australian Synchrotron - A user's perspective**

Peter Kappen, La Trobe University, Melbourne

**10:00 - 10:45 First experiences with the combination of polycapillary optics and an energy dispersive pn-CCD detector at BAMline at BESSY**

Martin Radtke, BAM, Berlin

10:45 - 11:15 Coffee break

**11:15 - 12:00 Status of P06 and challenges**

Gerald Falkenberg, DESY

12:00 - 13:00 lunch

### **Session on experimental layout of P63**

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**13:00 - 13:30 Summary on first user workshop held in June 2010 & Beamline L performance**

Karen Appel, DESY

**13:30 - 14:00 Present status of the experiment design at P63**

Manuela Borchert, DESY

**14:00 - 14:30 Experimental set-up for cultural heritage objects**

Leif Glaser, DESY

14:30 - 15:00 coffee break

**15:00 - 17:00 Discussion of experimental design**

Karen Appel, Manuela Borchert, Stephan Botta

- infrastructure
- space requirements
- additional instruments
- sample sizes
- detectors

17:00 End of workshop

starting on Thursday, 29th of September, 1 pm:  
X-ray Absorption Spectroscopy Beamlines P64/P65 at PETRA III:  
Second User Workshop

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