

Ultrafast X-ray Science

X. Research Course on New X-ray Sciences
March 30, 31, April 1st 2011 at DESY, Hamburg

Program

Wednesday, March 30, 2011

09:30	Welcome to DESY	E. Weckert (DESY)
09:45	Organization	C. Gutt (DESY)
10:00 – 11:00	W. Wurth (University Hamburg)	“Ultrafast electron dynamics in solids and at surfaces”
11:00 – 11:15	Coffee Break	
11:15 – 12:15	H. Braun (Paul Scherrer Institut)	“Short pulse X-ray free electron lasers, illustrated with SwissFEL”
12:15 – 14:00	Lunch	
14:00 – 15:00	H. Chapman (CFEL, DESY)	“Coherent Diffractive Imaging”
15:00 – 16:00	D. Miller (CFEL, DESY)	“Making the Molecular Movie First FramesComing Features”
16:00 – 16:30	Coffee Break	
16 :30 – 17:30	C. David (Paul Scherrer Institut)	“Diffractive X-ray Optics: Applications at hard XFEL radiation sources”
17:45	Poster and Refreshments at Hasylab	

Thursday, March 31st, 2011

09 :00 – 10:00	C. Bostedt (LCLS, SLAC)	“Peak-intensity soft x-ray science - The first results from AMO@LCLS”
10 :00 – 11:00	M. Cammarata (LCLS, SLAC)	“Time resolved liquid scattering and first hard X-ray experiments at FELs ”
11:00 – 11:15	Coffee Break	
11:15 – 12:15	C. Bressler (European XFEL)	“Zooming into the very first steps of chemical reactivity”
12:15 – 14:00	Lunch	

14:00 – 15:00 M. Meyer (European XFEL)
“Atomic Photoionization Dynamics in intense radiation fields”

15:00 – 16:00 L. Müller (DESY, Hamburg)
“Magnetic Scattering at FLASH”

16:00 – 16:30 ***Coffee Break***

16:30 Visits FLASH and Petra III Facilities

18:30 Dinner at DESY Bistro

Friday, April 1st, 2011

09:00 – 10:00 G.B. Stephenson (APS, Chicago)
“Ultrafast X-ray Photon Correlation Spectroscopy”

10:00 – 11:00 T. Tschentscher (European XFEL)
“Ultrafast processes in matter under extreme conditions”

11:00 – 11:15 C. Gutt Concluding remarks

End of Meeting