European XFEL GmbH
Albert-Einstein-Ring 19
22761 Hamburg
Germany

25 June 2012

Preliminary Programme
Science with Seeded SASE Beams

Thursday, 19 July 2012

08:30 - 09:15	Registration
09:15 - 09:40	Welcome and Introduction (T. Tschentscher, G. Geloni)

Solid State Spectroscopy I (Chair: S. Molodtsov)

09:40 - 10:25	C. Masciovecchio: Seeded FEL based Pump and Probe experiments
10:25 - 11:10	K. Rossnagel: Time-resolved ARPES with Free-Electron Lasers
11:10 - 11:55	M. Weinelt: Spin and magnetization dynamics studied with femtosecond UV and VUV radiation

LUNCH

Solid State Spectroscopy II (Chair: M. Altarelli)

13:15 - 14:00	G. Monaco: New Opportunities for Inelastic X-ray Scattering at the XFEL
14:00 - 14:45	C.-C. Kao: TBA

Coherent Diffractive Imaging (Chair: A. Mancuso)

14:45 - 15:30	H. Chapman: Requirements for single molecule imaging

COFFEE/TEA BREAK

15:50 - 16:35	H. Quiney: FEL biomolecular imaging with SASE and seeded beams: a theoretical comparison

Atomic and Molecular Physics (Chair: M. Meyer)

16:35 - 17:20	R. Santra: Nonlinear processes in atoms
17:20 - 18:05	J. Crespo: Astrophysics and X-ray metrology with highly charged ions with a seeded XFEL

DINNER

Friday, 20 July 2012

XPCS and Speckle Experiments (Chair: A. Madsen)

08:30 - 09:15	A. Robert: TBA
09:15 - 10:00	P. H. Fuoss: Coherent X-Ray Scattering Studies of Materials Physics with a Seeded FEL

New Developments (Chair: T. Tschentscher)

10:00 - 10:45	B. Patterson: X-Ray Four-Wave Mixing with a Seeded FEL

COFFEE/TEA BREAK

11:05 - 11:50	G. Gregori: Measuring ion and electron correlations in dense plasmas
11:50 - 12:35	J. Evers: TBA
12:35 - 13:00	Close Out. Summary and Conclusions (XFEL MB)