

Workshop on Science at Extreme Conditions with an Ultimate Source

Monday 4 February 2013

Venue: MINATEC room 221

08:00 – 08:50	<i>Registration & welcome coffee</i>	
08:50 - 09:00	Welcome	S. Pascarelli
09:00 - 09:45	Supercharging the source: basic design and performance	M. Krisch
Session I (10:00 – 12:30): Static high pressure & combination - Chair : Denis Andrault		
10:00 - 10:30	Liquids at Extreme Conditions	John Parise (State University of New York, USA)
10:30 – 11:00	<i>Coffee break</i>	
11:00 - 11:30	Crystallography at 100 GPa and above	Leonid Dubrovinsky (University of Bayreuth, Germany)
11:30 - 12:30	Discussion	Discussion Animator: Raphael Hermann (FZ Jülich, Germany)
12:30 – 14:00	<i>Lunch</i>	
Session II (14:00 – 16:00): High magnetic field, LT, HP - Chair : Alain Fontaine		
14:00 - 14:30	X-ray Magnetic Dichroism under extreme conditions	Philippe Saintavit (IMPMC, Paris, France)
14:30 - 15:00	Superconductivity and magnetism of heavy fermion systems: some open problems!	Jean-Pascal Brison (CEA Grenoble, France)
15:00 - 15:40	Discussion	Discussion Animator: Andreas Ney (University of Linz, Austria)
15:40 – 16:00	<i>Coffee break</i>	
Session III (16:00 – 18:00): Dynamic high pressure and warm dense matter - Chair : Sakura Pascarelli		
16:00 - 16:30	Some potential High Energy Density Physics experiments using synchrotron radiation	Paul Loubeyre (CEA Bruyères-Le-Châtel, France)
16:30 - 17:00	Dynamic Compression Science on the Ultimate Storage Ring	Malcolm McMahon (University of Edinburgh, UK)
17:00 - 18:00	Discussion & concluding remarks	Discussion Animator: Michel Koenig (Lab. LULI, Ecole Polytechnique, France)
18:30	<i>Bus to Workshop dinner at the Restaurant Fantin Latour</i>	