

Program : 30.11.2011

## Physics with Trapped Charged Particles

Les Houches, France, 9 January - 20 January, 2012

Time	Monday 9 January	Tuesday 10 January	Wednesday 11 January	Thursday 12 January	Friday 13 January	Saturday 14 January	Sunday 15 January	Monday 16 January	Tuesday 17 January	Wednesday 18 January	Thursday 19 January	Friday 20 January		
08:45	A  R  R  I  V   A  L	Single particle dynamics Basic Equilib. D. DUBIN	Modes in Non-neutral plasmas F. ANDEREGG	Dynamics in Paul Traps B. ODOM	External Transport D. DUBIN	Cooling Techniques D. SEGAL	E  X  C  U  R  S   I  O  N	Coulomb Crystals DREWSEN	Storage Rings A. PAPASH	QIP in ion traps C. ROOS	Quantum logic with trapped ions P. SCHMIDT	Multipolar RF Traps R. WESTER		
09:45		C O F F E E						C O F F E E						
10:15		Penning Traps. Strong correlations J. BOLLINGER	Rotating Wall Cent. Separat. J. BOLLINGER	Internal Transport F. ANDEREGG	Recombination in traps ROBICHEAUX	QED Tests with highly charged ions K. BLAUM		C O F F E E						
11:05		C O F F E E						Cooling Techniques II WUNDERLICH	EBIS F. CURELL	Beam Dynamics A. PAPASH	Trapped Molecules R. WESTER	Novel Traps J. GALIANA		
11:15		Non-Destructive Diagnostics J. CRESPO	Positron sources, accumulators and plasmas C. SURKO	Tailoring plasmas and beams C. SURKO	Laser based diagnostics M. KNOOP	2D Fluid motion J. FAJANS		C O F F E E						
12:05		C O F F E E						Axialisation D. SEGAL	Toroids T. PEDERSEN	Microtraps and QIP MEHLSTAUBLER	Circuit QED J. GALIANA	Multifaceted entanglement C. ROOS		
12:30		L U N C H						L U N C H						
15:35		L U N C H						L U N C H						
16:25				Tutorial 3 Paul Traps B. ODOM				L U N C H					D	
16:30		Antihydrogen Trapping N. MADSEN	Autoresonance J. FAJANS	Highly charged ions in traps J. CRESPO	Combined Traps (Neutral+Charged) ROBICHEAUX	Tutorial 4 DUBIN ROBICHEAUX FAJANS		Magnetically confined charged particles T. PEDERSEN	Quantum Simulations WUNDERLICH	V I S I T  C E R N	EBIT F. CURELL	Thorium Spectroscopy MEHLSTAUBLER	P	
17:20		T E A						T E A					A	
17:50		The g-2 exp. on free electron B. ODOM	Destructive Diagnostics M. KNOOP	Precision Mass Measurements K. BLAUM	Traps for radioactive ions F. HERFURTH	Ion Bunching F. HERFURTH		Atomic Clocks in Ion Traps H. MARGOLIS	Quantum optics with ion crystals M. DREWSEN			Fundamental Constants P. SCHMIDT	R	
18:40		T E A						T E A					T	
19:00		T E A						T E A					U	
19:30	T E A					T E A					R			
20:40	D I N N E R					D I N N E R					E			
21:30			Tutorial 1 Penning Traps DUBIN J. BOLLINGER	Poster Session 1	Tutorial 2 NNP ANDEREGG/ DUBIN			Tutorial 5 Cooling Tech. SEGAL / WUNDERLICH	Poster Session 2			Tutorial 7 QIP in ion traps ROOS		