



# Winter school on Physics with Trapped Charged Particles

Les Houches, France, January 9-20, 2012

## Lectures and Tutorial Sessions Covering

Dynamics in Penning and Paul traps  
Diagnostic techniques  
Positron Sources and Accumulators  
Physics of non-neutral plasmas  
Trapped highly charged and radioactive ions  
Space charge effects and coulomb crystals  
Magnetic traps and storage rings  
Quantum information processing in traps  
Electron beam ion sources and traps  
Applications for fundamental tests, spectroscopy and clocks  
Novel trap designs

## Confirmed speakers :

Alexander Papash (MPI Heidelberg)  
Brian Odom (Northwestern University)  
Christian Roos (University of Innsbruck)  
Christof Wunderlich (University of Siegen)  
Cliff Surko (UC San Diego)  
Dan Dubin (UC San Diego)  
Daniel Segal (Imperial College London)  
Francis Robicheaux (Auburn University)  
François Anderegge (UC San Diego)  
Frank Herfurth (GSI)  
Fred Currell (Queens University Belfast)  
Helen Margolis (NPL)  
Joel Fajans (UC Berkeley)  
John J. Bollinger (NIST Boulder)  
José Crespo (MPI Heidelberg)  
José Luis Verdú Galiana (University of Sussex)  
Klaus Blaum (MPI Heidelberg)  
Martina Knoop (University of Provence)  
Michael Drewsen (Aarhus University)  
Niels Madsen (Swansea University)  
Piet O. Schmidt (PTB)  
Tania Mehlstaubler (PTB)  
Thomas Sunn Pedersen (Max-Planck Institute of Plasma Physics)

## Organising Committee :

Dr. Niels Madsen (Swansea University) (chair)  
Prof. Joel Fajans (UC Berkeley)  
Dr. Martina Knoop (Uni. Provence)  
Prof. Richard Thompson (Imperial College London)

## Advisory Committee :

Prof. Klaus Blaum (MPI Heidelberg)  
Dr. Fred Currell (Queens University Belfast)  
Prof. Michael Drewsen (Aarhus University)  
Prof. Piet O. Schmidt (PTB)

