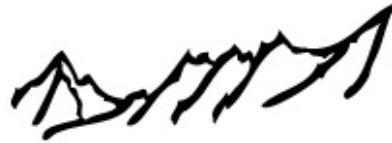


# Winter school on Physics with Trapped Charged Particles

**ÉCOLE DE PHYSIQUE**  
des HOUCHES



## Report of Contributions

Contribution ID: 0

Type: **not specified**

**TEST**

**Presenter:** CHARLES

Contribution ID: 1

Type: **not specified**

## **Penning Traps and Strong Correlations**

*Tuesday, January 10, 2012 10:15 AM (50 minutes)*

**Presenter:** Dr BOLLINGER, John

Contribution ID: 2

Type: **not specified**

## **Destructive Diagnostics**

*Wednesday, January 11, 2012 6:20 PM (50 minutes)*

**Presenter:** Dr KNOOP, Martina

Contribution ID: 3

Type: **not specified**

## **Non-Destructive Diagnostics**

*Tuesday, January 10, 2012 11:15 AM (50 minutes)*

**Presenter:** Dr CRESPO, José

Contribution ID: 4

Type: **not specified**

## **Autoresonance**

*Wednesday, January 11, 2012 5:00 PM (50 minutes)*

**Presenter:** Prof. FAJANS, Joel

Contribution ID: 5

Type: **not specified**

## **The g-2 exp. on free electron**

*Tuesday, January 10, 2012 5:50 PM (50 minutes)*

**Presenter:** Prof. ODOM, Brian

Contribution ID: 6

Type: **not specified**

## **Tutorial 1 - Penning Traps**

*Tuesday, January 10, 2012 8:40 PM (50 minutes)*

**Presenter:** Dr BOLLINGER, John



Contribution ID: 7

Type: **not specified**

## **Rotating Wall. Centrifugal Separation.**

*Wednesday, January 11, 2012 10:15 AM (50 minutes)*

**Presenter:** Dr BOLLINGER, John

Contribution ID: 8

Type: **not specified**

## **Modes in Non-neutral plasmas**

*Wednesday, January 11, 2012 8:45 AM (1 hour)*

**Presenter:** Dr ANDEREGG, François

Contribution ID: 9

Type: **not specified**

## Internal Transport

*Thursday, January 12, 2012 10:15 AM (50 minutes)*

**Presenter:** Dr ANDEREGG, François

Contribution ID: **10**

Type: **not specified**

## **Microtraps and QIP**

*Wednesday, January 18, 2012 10:50 AM (50 minutes)*

**Presenter:** Dr MEHLSTAUBLER, Tania

Contribution ID: 11

Type: **not specified**

# Antihydrogen Trapping

*Tuesday, January 10, 2012 4:30 PM (50 minutes)*

**Presenter:** MADSEN, Niels (Swansea University (GB))

Contribution ID: 12

Type: **not specified**

## Poster Session 1

*Wednesday, January 11, 2012 9:10 PM (50 minutes)*

Contribution ID: 13

Type: **not specified**

## **Dynamics in Paul Traps**

*Thursday, January 12, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. ODOM, Brian

Contribution ID: 14

Type: **not specified**

## **Single Particle Dynamics. Basic Equilibria.**

*Tuesday, January 10, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. DUBIN, Dan



Contribution ID: 15

Type: **not specified**

# Thorium Spectroscopy

**Presenter:** Dr MEHLSTAUBLER, Tania

Contribution ID: 16

Type: **not specified**

## Highly charged ions in traps

*Thursday, January 12, 2012 4:30 PM (50 minutes)*

**Presenter:** Dr CRESPO, José

Contribution ID: 17

Type: **not specified**

## **Precision Mass Measurements**

*Thursday, January 12, 2012 5:50 PM (50 minutes)*

**Presenter:** Prof. BLAUM, Klaus

Contribution ID: **18**

Type: **not specified**

## **Tutorial 2 NNP**

*Thursday, January 12, 2012 8:40 PM (50 minutes)*

**Presenters:** Prof. DUBIN, Dan; Dr ANDEREGG, François; FAJANS, Joel (Berkeley)

Contribution ID: 19

Type: **not specified**

## **Strong Magnetization and Plasma Screening of Nuclear Reactions**

*Friday, January 13, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. DUBIN, Dan

Contribution ID: 20

Type: **not specified**

## **Recombination in traps**

*Friday, January 13, 2012 10:15 AM (50 minutes)*

**Presenter:** Prof. ROBICHEAUX, Francis

Contribution ID: 21

Type: **not specified**

## **Laser based diagnostics**

*Friday, January 13, 2012 11:15 AM (50 minutes)*

**Presenter:** Dr KNOOP, Martina

Contribution ID: 22

Type: **not specified**

## **Tutorial 3 Paul Traps**

*Thursday, January 12, 2012 3:35 PM (50 minutes)*

**Presenter:** Prof. ODOM, Brian



Contribution ID: 23

Type: **not specified**

## **Combined Traps (Neutral+Charged)**

*Friday, January 13, 2012 4:30 PM (50 minutes)*

**Presenter:** Prof. ROBICHEAUX, Francis

Contribution ID: 24

Type: **not specified**

## Traps for radioactive ions

*Friday, January 13, 2012 5:50 PM (50 minutes)*

**Presenters:** Dr HERFURTH, Frank; Prof. FRANK, Herfurth

Contribution ID: 25

Type: **not specified**

## Cooling Techniques

*Saturday, January 14, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. SEGAL, Daniel

Contribution ID: 26

Type: **not specified**

## **Dinner**

*Monday, January 9, 2012 7:30 PM (1 hour)*

Contribution ID: 27

Type: **not specified**

## **QED Tests with highly charged ions**

*Saturday, January 14, 2012 10:15 AM (50 minutes)*

**Presenter:** Prof. BLAUM, Klaus

Contribution ID: 28

Type: **not specified**

## 2D Fluid motion

*Saturday, January 14, 2012 11:15 AM (50 minutes)*

**Presenter:** Prof. FAJANS, Joel

Contribution ID: 29

Type: **not specified**

## TUTORIAL 4

*Saturday, January 14, 2012 5:00 PM (50 minutes)*

**Presenters:** Prof. DUBIN, Dan; Prof. ROBICHEAUX, Francis; Prof. FAJANS, Joel

Contribution ID: **30**

Type: **not specified**

## **Ion Bunching**

*Saturday, January 14, 2012 6:10 PM (50 minutes)*

**Presenters:** Dr HERFURTH, Frank; Prof. HERFURTH, Frank



Contribution ID: 31

Type: **not specified**

## **Coulomb Crystals**

*Monday, January 16, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. DREWSEN, Michael

Contribution ID: 32

Type: **not specified**

## **Cooling Techniques II**

*Monday, January 16, 2012 10:15 AM (50 minutes)*

**Presenter:** Prof. WUNDERLICH, Christof

Contribution ID: 33

Type: **not specified**

## **Axialisation**

*Monday, January 16, 2012 11:15 AM (50 minutes)*

**Presenter:** Prof. SEGAL, Daniel

Contribution ID: 34

Type: **not specified**

## **Magnetically confined charged particles**

*Monday, January 16, 2012 5:00 PM (50 minutes)*

**Presenter:** Prof. SUNN PEDERSEN, Thomas

Contribution ID: 35

Type: **not specified**

## **Atomic Clocks in Ion Traps**

*Monday, January 16, 2012 6:10 PM (50 minutes)*

**Presenter:** Dr MARGOLIS, Helen

Contribution ID: **36**

Type: **not specified**

## **Tutorial 5 Cooling Tech.**

*Monday, January 16, 2012 8:40 PM (50 minutes)*

**Presenters:** Prof. WUNDERLICH, Christof; Prof. SEGAL, Daniel

Contribution ID: 37

Type: **not specified**

## **QIP in ion traps**

*Wednesday, January 18, 2012 8:30 AM (1 hour)*

**Presenter:** Dr ROOS, Christian

Contribution ID: **38**

Type: **not specified**

## **Beam Dynamics**

*Wednesday, January 18, 2012 9:50 AM (50 minutes)*

**Presenter:** Dr PAPASH, Alexander



Contribution ID: 39

Type: **not specified**

## Storage Rings

*Tuesday, January 17, 2012 8:45 AM (1 hour)*

**Presenter:** Dr PAPASH, Alexander

Contribution ID: **40**

Type: **not specified**

## **EBIS**

*Tuesday, January 17, 2012 10:15 AM (50 minutes)*

**Presenter:** Dr CURRELL, Fred

Contribution ID: 41

Type: **not specified**

## Toroids

*Tuesday, January 17, 2012 11:15 AM (50 minutes)*

**Presenter:** Prof. SUNN PEDERSEN, Thomas

Contribution ID: 42

Type: **not specified**

## Quantum Simulations

*Tuesday, January 17, 2012 4:00 PM (50 minutes)*

**Presenter:** Prof. ROOS, Christian

Contribution ID: 43

Type: **not specified**

## **EBIT**

*Tuesday, January 17, 2012 5:00 PM (50 minutes)*

**Presenter:** Dr CURRELL, Fred

Contribution ID: 44

Type: **not specified**

## Quantum optics with ion crystals

*Tuesday, January 17, 2012 6:10 PM (50 minutes)*

**Presenter:** Prof. DREWSEN, Michael

Contribution ID: 45

Type: **not specified**

## Poster Session 2

*Tuesday, January 17, 2012 8:40 PM (50 minutes)*

**Presenters:** Mr JAIN, Arohi; Mr SUETTERLIN, Klaus Robert

Contribution ID: 46

Type: **not specified**

## Quantum logic with trapped ions

*Thursday, January 19, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. SCHMIDT, Piet. O.



Contribution ID: 47

Type: **not specified**

## Trapped Molecules

*Thursday, January 19, 2012 10:15 AM (50 minutes)*

**Presenter:** Prof. WESTER, Roland

Contribution ID: 48

Type: **not specified**

## **Circuit QED**

*Thursday, January 19, 2012 11:15 AM (50 minutes)*

**Presenter:** Dr GALLANA, Jose

Contribution ID: 49

Type: **not specified**

## **Fundamental Constants**

*Thursday, January 19, 2012 6:10 PM (50 minutes)*

**Presenter:** Prof. SCHMIDT, Piet. O.

Contribution ID: 50

Type: **not specified**

## Thorium Spectroscopy

*Thursday, January 19, 2012 5:00 PM (50 minutes)*

**Presenter:** Dr MEHLSTAUBLER, Tanja

Contribution ID: 51

Type: **not specified**

## **Tutorial 7 QIP in ion traps**

*Thursday, January 19, 2012 8:40 PM (50 minutes)*

**Presenter:** Dr ROOS, Christian

Contribution ID: 52

Type: **not specified**

## Multipolar RF Traps

*Friday, January 20, 2012 8:45 AM (1 hour)*

**Presenter:** Prof. WESTER, Roland

Contribution ID: 53

Type: **not specified**

## Novel Traps

*Friday, January 20, 2012 10:15 AM (50 minutes)*

**Presenter:** Dr GALIANA, Jose

Contribution ID: 54

Type: **not specified**

## **Multifaceted entanglement**

*Friday, January 20, 2012 11:15 AM (50 minutes)*

**Presenter:** Dr ROOS, Christian



Contribution ID: 55

Type: **not specified**

## **Position sources, accumulators and plasmas**

*Wednesday, January 11, 2012 11:15 AM (50 minutes)*

**Presenter:** Prof. SURKO, Cliff

Contribution ID: 56

Type: **not specified**

## **Tailoring positron plasmas and beams**

*Thursday, January 12, 2012 11:15 AM (50 minutes)*

**Presenter:** Prof. SURKO, Cliff