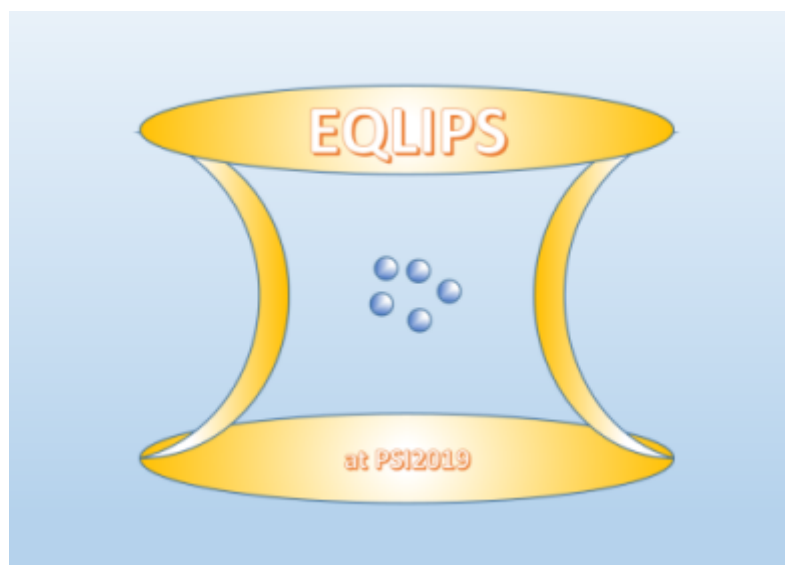


## **Session Program**

**Oct 25 - 26, 2019**



# **EQIIPS Workshop @PSI ----- Exploring the Quantum limit with Lasers and Ions in Penning trapS**

## ***Session***

PSI, WBGB/019 (Timeout building)  
Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

# Fri, October 25

2:00 PM

## Session: Fr - 1

**Session** |

**Location:** PSI, WBGB/019 (Timeout building), Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

2:00 - 2:30 PM

### Coherent control of ground-state cooled ions in a Penning trap

**Speaker**

Richard Thompson

2:30 - 3:00 PM

### Quantum Mass Spectrometry in a Penning Trap

**Speaker**

Daniel Rodríguez

3:00 - 3:30 PM

### Production, trapping and towards laser cooling of $C_2^-$

**Speaker**

Sebastian Gerber

3:30 - 4:00 PM

### Quantum information in surface-Penning trap arrays

**Speaker**

Jonathan Home

4:00 PM

4:30 PM

## Session: Fr -2

**Session** |

**Location:** PSI, WBGB/019 (Timeout building), Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

4:30 - 5:00 PM

### Towards laser-cooled highly charged ions for the ALPHATRAP g-factor experiment

**Speaker**

Sven Sturm

5:00 - 5:30 PM

### Precision experiments on highly charged ions in Penning traps

**Speaker**

Wolfgang Quint

5:30 - 6:00 PM

### BASE

**Speaker**

Matthew Bohman

6:00 - 6:30 PM

### Laser-cooled $Be^+$ as an assistant for physics with antihydrogen

**Speaker**

Niels Madsen

6:30 PM

# Sat, October 26

9:00 AM

## Session: Sa - 1

**Session** |

**Location:** PSI, WBGB/019 (Timeout building), Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

9:00 - 9:30 AM

### **Towards quantum logic inspired techniques for discrete symmetry tests with (anti-)protons**

**Speaker**

Juan M. Cornejo

9:30 - 10:00 AM

### **Interacting spin models in Penning trap arrays**

**Speaker**

Diego Porras

10:00 - 10:30 AM

### **No title yet**

**Speaker**

Amit Rotem

10:30 - 11:00 AM

### **Open Source Software and Hardware for Quantum Technology**

**Speakers**

Grzegorz Kasprawicz, Robert Jördens

11:00 AM