

Joint Annual Meeting of the SWISS PHYSICAL SOCIETY AUSTRIAN PHYSICAL SOCIETY

in cooperation with

CHIPP AND SWISS SOCIETY FOR ASTROPHYSICS AND ASTRONOMY

21 - 25 August 2017, CERN & CICG, Genève



Sessions

- Applied Physics and Plasma Physics
- Astronomy and Astrophysics **
- Atomic Physics & Quantum Optics
- Biophysics, Medical Physics and Soft Matter
- Condensed Matter Physics (incl. NESY)
- Correlated-Electron Physics in Transition-Metal Oxides *
- Earth, Atmosphere and Environmental Physics
- Emergent phenomena in novel low-dimensional materials *
- History of Physics
- Magnetism and Spintronics at the Nanoscale
- Nuclear, Particle- & Astrophysics
- Physics in Startups
- Scientific Opportunities with SwissFEL
- Surfaces, Interfaces and Thin Films
- Theoretical Physics
- Poster Session

* organised by NCCR MARVEL, ** organised by SSAA

Additional Events

- General Assemblies and Award Ceremony
- Lab Visits at CERN
- Scientific Equipment and Book Exhibition
- Conference Dinner

Plenary Speakers

- **Willy Benz, Uni Bern**
The CHEOPS mission: Goals and challenges
- **Mirko Cinchetti, TU Dortmund**
Molecular spintronics: towards the active control of nano-scale hybrid units
- **Cornelia Denz, Westf. Wilhelms-Universität Münster**
Biophotonic micromanipulation of cells – empowering biomedicine by the force of light.
- **Philippe Jetzer, Uni Zürich**
Gravitational waves: a new window to explore the Universe
- **Manfred Krammer, CERN**
The Experimental Physics Program of CERN
- **Claudio Lenz Cesar, UFRJ & CERN**
Spectroscopy of trapped antihydrogen atoms
- **Iain A. Neil, ScotOptix, Canobbio (TI)**
Technology dependence of reflective optical systems for EUV and astronomical applications
- **Tracy Northup, Uni Innsbruck**
Trapped-ion interfaces for quantum networks
- **Leonid Rivkin, EPFL & PSI Villigen**
Accelerators: multifaceted instruments for science and industry
- **Richard Warburton, Uni Basel**
Quantum photonics with solid-state emitters
- **Christof Wöll, Karlsruher Inst. für Technologie (KIT)**
Liquid Phase Epitaxy of Molecular Frameworks on Solid Substrates: A New Class of Designer Solids?

Evening Lecture at CERN

- **NN**
To be confirmed

Public Lecture at CICG

- **Thierry Courvoisier, Uni Genève**
Le chercheur et la société

ABSTRACT SUBMISSION
30 APRIL 2017

DEADLINES

REGISTRATION & PAYMENT
1 AUGUST 2017

More information: www.sps.ch