

Session Program

Oct 29 - 30, 2019

**PSI Condensed Matter Retreat 2019 @ FHNW
Brugg**

Contributed talks

FHNW Brugg

Tue, October 29

11:00 AM

Contributed talks: Session 1

Session | Location: FHNW Brugg

11:00 - 11:20 AM **Spin excitations in the 2D dipolar honeycomb magnet ErBr₃**

Speaker

Christian Wessler

11:20 - 11:40 AM

Evidence of new mechanism of antiferromagnetic domain selection driven by spin-orbit coupling

Speaker

D. T. Maimone

11:40 AM - 12:00 PM **Fluctuations in a magnetic metamaterial**

Speaker

Sandra Helen Skjaerhoe

12:00 - 12:20 PM

Tunable Berry Curvature Effects Through Volume-wise Magnetic Competition in a Topological Kagome Magnet Co₃Sn₂S₂

Speaker

Dr Zurab Guguchia

12:20 PM

4:00 PM

Contributed talks: Session 2

Session | Location: FHNW Brugg

4:00 - 4:20 PM **Neutron imaging of electrochemical energy converters**

Speaker

Pierre Boillat

4:20 - 4:40 PM

Visualization of engineered residual strain in additive manufacturing materials by Bragg Edge neutron imaging

Speaker

Manuel Morgano

4:40 - 5:00 PM

3D Imaging of Advanced Materials using Soft X-ray Laminography at PolLux

Speaker

Katharina Witte

5:00 PM

Wed, October 30

9:00 AM

Contributed talks: Session 3

Session | Location: FHNW Brugg

9:00 – 9:20 AM

Manipulating the ground state in nickelates using proximity with magnetic layers

Speaker

Marco Caputo

9:20 – 9:40 AM

Coherent lattice dynamics in LiNbO₃ induced by mid infrared laser driven ferroelectric polarization switching

Speaker

Mathias Sander

9:40 – 10:00 AM

The role of chains for superconductivity in optimally doped YBCO thin films: ARPES view

Speaker

Jasmin Maria Jandke

10:00 – 10:20 AM

RNiO₃ perovskites: exploring the T_{MIT} → 0 limit

Speaker

Yannick Maximilian Klein

10:20 AM

3:00 PM

Contributed talks: Session 4

Session | Location: FHNW Brugg

3:00 – 3:20 PM

Time-Resolved Spectroscopy of Vanadia-Based SCR Catalysts under Transient Conditions

Speaker

Rob Jeremiah G. Nuguid

3:20 – 3:40 PM

Oxygen evolution reaction: activity vs. oxygen vacancies in PrBaCo₂O_{5+δ}

Speaker

Elena Marelli

3:40 – 4:00 PM

Why does an almost pure-beryllium alloy exhibit a hundred-fold increase in σ_{TC} ?

Speaker

T. Shiroka

4:00 – 4:20 PM

Universal quantum computing with rare-earth ions

Speaker

Mr Manuel Grimm

4:20 PM