

Session Program

10-11 Dec 2019



MLZ User Meeting 2019

Quantum Phenomena

Marriott, Marriott Conference room - Munich
Berliner Str. 93 80805 München Germany

Tuesday 10 December

13:00

Quantum Phenomena: Quantum Phenomena I

Session | **Location:** Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany

13:00–13:30

Unique Neutrons: the method for magnetoelastic effects

Speaker

Petr Čermák

13:30–14:00

Topological magnons in frustrated quantum magnets

Speaker

Paul McClarty

14:00–14:15

Single-crystal growth and neutron scattering studies of Mn₃Sn

Speaker

Mr Xiao Wang

14:15–14:30

Interplay of Electronic and Spin Degrees in Ferromagnetic SrRuO₃ : Anomalous Softening of the Magnon Gap and Stiffness

Speaker

Kevin Jenni

14:30

15:00

Quantum Phenomena: Quantum Phenomena II

Session | **Location:** Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany

15:00–15:30

Orbital selective superconductivity in iron-based superconductors

Speaker

Pengcheng Dai

15:30–16:00

The impact of sample geometry on vortex structures arising in superconductors and chiral magnets - A neutron imaging approach -

Speaker

Dr Tommy Reimann

16:00–16:15

Field-angle resolved magnetic excitations in the heavy-fermion metal CeB₆

Speaker

P. Y. Portnichenko

16:15–16:30

Critical dynamics in Ca₂RuO₄ studied by neutron resonant spin-echo spectroscopy

Speaker

Dr Matthias Hepting

16:30

17:00

Quantum Phenomena: Quantum Phenomena III

Session | **Location:** Marriott, Marriott Conference room - Munich, Berliner Str. 93 80805 München Germany

17:00-17:30

Magnetic Nanoparticle Spin Structures

Speaker

Sabrina Disch

17:30-17:45

Exchange interactions at the manganite/manganite interface of FM/AFM type

Speaker

Laura Guasco

17:45-18:00

Neutron Depolarization Measurements of Quantum Critical Ferromagnets

Speaker

Marc Seifert

18:00