

Session Program

Dec 8 - 9, 2022



MLZ User Meeting 2022

Quantum Phenomena

Marriott, Marriott Conference room - Munich

Thu, December 8

1:00 PM

Quantum Phenomena: QP I

Session | Location: Marriott

13:00 - 13:05 **Welcome**

13:05 - 13:40

Neutron scattering under high pressure to 10 GPa and beyond: A brief survey of methods, constraints and science examples

Speaker
Stefan Klotz

13:40 - 14:05 **Clamp Cells for Neutron Scattering at the MLZ**

Speaker
Andrzej Grzechnik

14:05 - 14:30 **Neutron depolarization measurements on HgCr₂Se₄ under pressure**

Speaker
Pau Jorba

2:30 PM

3:00 PM

Quantum Phenomena: QP II

Session | Location: Marriott

15:00 - 15:25 **Neutron Diffraction in Pulsed Magnetic Fields up to 40 Teslas**

Speaker
Dr Fabienne Duc

15:25 - 15:50 **Fractional Excitation-induced Phonon Renormalization in α -RuCl₃**

Speaker
Adrian Merritt

15:50 - 16:15 **Magnetic excitations in long-range stripes of Pr₂NiO_{4+ δ}**

Speaker
Avishek Maity

16:15 - 16:40

Dipolar interactions and spin dynamics in the itinerant ferromagnet Ni

Speaker
Lukas Beddrich

4:40 PM

5:10 PM

Quantum Phenomena: QP III

Session | Location: Marriott

17:10 - 17:35 **Non-collinear long-range coupling in modulated manganites.**

Speaker
Laura Guasco

17:35 - 18:00 **Thin film fabrication for neutron investigations**

6:00 PM

Speaker
Dr Sabine Pütter