



# MLZ User Meeting 2022

## Thursday, 8 December 2022

### Quantum Phenomena: QP I (13:00 - 14:30)

time	[id] title	presenter
13:00	[163] Welcome	
13:05	[69] Neutron scattering under high pressure to 10 GPa and beyond: A brief survey of methods, constraints and science examples	KLOTZ, Stefan
13:40	[88] Clamp Cells for Neutron Scattering at the MLZ	GRZECHNIK, Andrzej
14:05	[167] Neutron depolarization measurements on HgCr <sub>2</sub> Se <sub>4</sub> under pressure	JORBA, Pau

### Quantum Phenomena: QP II (15:00 - 16:40)

time	[id] title	presenter
15:00	[32] Neutron Diffraction in Pulsed Magnetic Fields up to 40 Teslas	Dr DUC, Fabienne
15:25	[124] Fractional Excitation-induced Phonon Renormalization in $\alpha$ -RuCl <sub>3</sub>	MERRITT, Adrian
15:50	[12] Magnetic excitations in long-range stripes of Pr <sub>2</sub> NiO <sub>4+<math>\delta</math></sub>	MAITY, Avishek
16:15	[42] Dipolar interactions and spin dynamics in the itinerant ferromagnet Ni	BEDDRICH, Lukas

### Quantum Phenomena: QP III (17:10 - 18:00)

time	[id] title	presenter
17:10	[47] Non-collinear long-range coupling in modulated manganites.	GUASCO, Laura
17:35	[18] Thin film fabrication for neutron investigations	Dr PÜTTER, Sabine