



# MLZ User Meeting 2024

## Thursday 5 December 2024

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

time	[id] title	presenter
13:00	Welcome by Science Group	
13:05	[136] Insights Nuanced Magnetic Structure, Spin Superexchange, and Single-Ion Anisotropy in Perovskite-like $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ via Neutron Scattering Techniques	TUNG, Yung Hsiang
13:40	[81] Understanding the magnon dynamics in $\text{LuFeO}_3$ for magnonics applications	Dr BHOSALE, Dnyaneshwar Raghunath
14:05	[51] Phononic signature of spin-state crossovers in $\text{LaCOO}_3$	WEBER, Frank

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

time	[id] title	presenter
15:00	[77] Neutron diffraction study on magnetostructurally coupled triangular lattice antiferromagnet $\text{Ba}_3\text{TbRu}_2\text{O}_9$	Dr GARG, Deepak
15:25	[94] Non-trivial Spin Structures and Multiferroic Properties of the DMI-Compound $\text{Ba}_2\text{CuGe}_2\text{O}_7$	WILD, Peter
15:50	[138] Magnetic ground state in the frustrated $\text{Yb}_{2-x}\text{Nd}_x\text{Ti}_2\text{O}_7$ pyrochlore series	ACOSTA RAMÓN, Jonathan Gustavo
16:15	[135] Magnetic structure in the new two-dimensional van der Waals ferromagnet $\text{Fe}_3\text{GaTe}_2$	CHANG, Po-Chun

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

time	[id] title	presenter
17:10	[63] Requirements for hydrogen absorption experiments with RNR in Pd/Co/Pd	Dr PUETTER, Sabine
17:35	[64] Understanding the mechanisms of hydrogen induced modifications in correlated oxides.	GUASCO, Laura