

Session Program

3-4 Dec 2025



MLZ User Meeting 2025

Neutrons & Users 2a

smartvillage Bogenhausen
Rosenkavalierplatz 13 81925 München

Wednesday 3 December

16:30

Neutrons & Users 2a: Hydrogen-metal interactions

Session | **Location:** smartvillage Bogenhausen, Wien & Versailles | **Conveners:**
Dr Sebastian Busch, Sebastian Muehlbauer

16:30-16:50

Hydrogen Effects in Superalloys - Insights from Neutron and X-Ray diffraction

Speaker

Steffen Neumeier

16:50-17:10

Probing Hydrogen Ingress in Ti-Mg Hybrid Implant Materials via Neutron and Synchrotron Tomography and Diffraction

Speaker

Cecilia Solis

17:10-17:30

Hydrogen distribution in single-crystal superalloys and its dependence on the γ/γ' lattice misfit

Speaker

Oliver Nagel

17:30