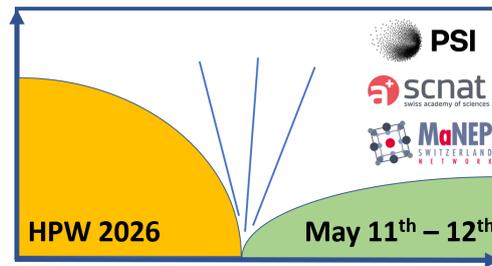


High Pressure Workshop



Contribution ID: 65

Type: **Talk**

Neutron and x-rays scattering on quantum magnets at high pressures and low temperatures

Tuesday, 12 May 2026 13:30 (30 minutes)

Application of external pressure acts as clean tuning parameter of inter-atomic distances and bond angles and therefor allows for precise control of magnetic interactions in condensed matter. Extreme conditions can thus be used to stabilize novel quantum phases and drive systems close to quantum criticality where new and exciting phenomena are expected. I will show how recent advances in neutron and x-ray scattering allow to access fingerprints of quantum correlations and present novel results on quantum magnets at the extreme.

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