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## **POWTEX –Angular- and Wavelength Dispersive High-Intensity Neutron TOF Diffractometer**

POWTEX, a future TOF neutron powder diffractometer @MLZ is funded by BMBF (05K22PA2) and built by RWTH Aachen and Forschungszentrum Jülich. The innovative design resulted in advance components, i.e. the 10B jalousie volume detector with large coverage. POWTEX is designed for short measurement times, allowing in situ chemical experiments and texture analysis with reduced sample rotations. Developed multidimensional algorithms allowed first refinement of angular- and wavelength-dispersive data.

**Primary author:** Dr HOUBEN, Andreas (RWTH Aachen University, Institute of Inorganic Chemistry)

**Co-authors:** MEINERZHAGEN, Yannick; Mr NACHTIGALL, Noah (RWTH Aachen University, Institute of Inorganic Chemistry); SCHWEIKA, Werner (European Spallation Source, Forschungszentrum Jülich); DRONSKOWSKI, Richard (RWTH Aachen University)

**Presenter:** Dr HOUBEN, Andreas (RWTH Aachen University, Institute of Inorganic Chemistry)

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