

Ongoing Positron Annihilation Doppler-Broadening Spectroscopy at the MLZ

We are able to perform measurements for defect analysis by using a monoenergetic positron beam for Doppler-broadening spectroscopy.

The positrons are provided by a β^+ radio-isotope and moderated in a 1 μm tungsten mono-crystal.

Recent measurements include defect studies on tungsten mono-crystals, tungsten oxide films, Al alloys, and NV centers.

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