

Discussion about purchasing an X-Ray μ -focus CT for MLZ

X-rays often provide complementary information to neutrons in imaging and diffraction applications. Modern X-ray microfocus CT machines provide capabilities that are normally only available at synchrotron sources on a lab scale. While the measurement times are obviously longer, spatial resolution in the sub- μm regime as well as modalities such as phase contrast imaging or crystal grain mapping become available with such devices. We will show some of the possible applications of modern x-ray CT machines beyond classical absorption CT with the aim to start a discussion about possible applications to complement the neutron science performed by MLZ employees and users.

Primary author: SCHULZ, Michael

Presenter: SCHULZ, Michael

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