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Investigation of average structure
and disorder in NBT: new features of
the diffuse X-ray scattering

For the past few years $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ (NBT) attracted considerable interest due to intriguing physical properties. The structure (average or local) and temperature dependence of the NBT phases have been also the matter of debates.

In this talk we will discuss our multi-temperature studies of NBT, mainly focusing on the recent high-resolution synchrotron-based measurement of the L-shaped diffuse scattering. The results reveal the topological features, which do not appear in lower resolution scattering experiments and therefore still unknown.

Die Vortrag findet um **16:15 Uhr** im Gebäude der Materialwissenschaften,
Lichtwiese, Petersenstr. 23, **Raum 77** statt