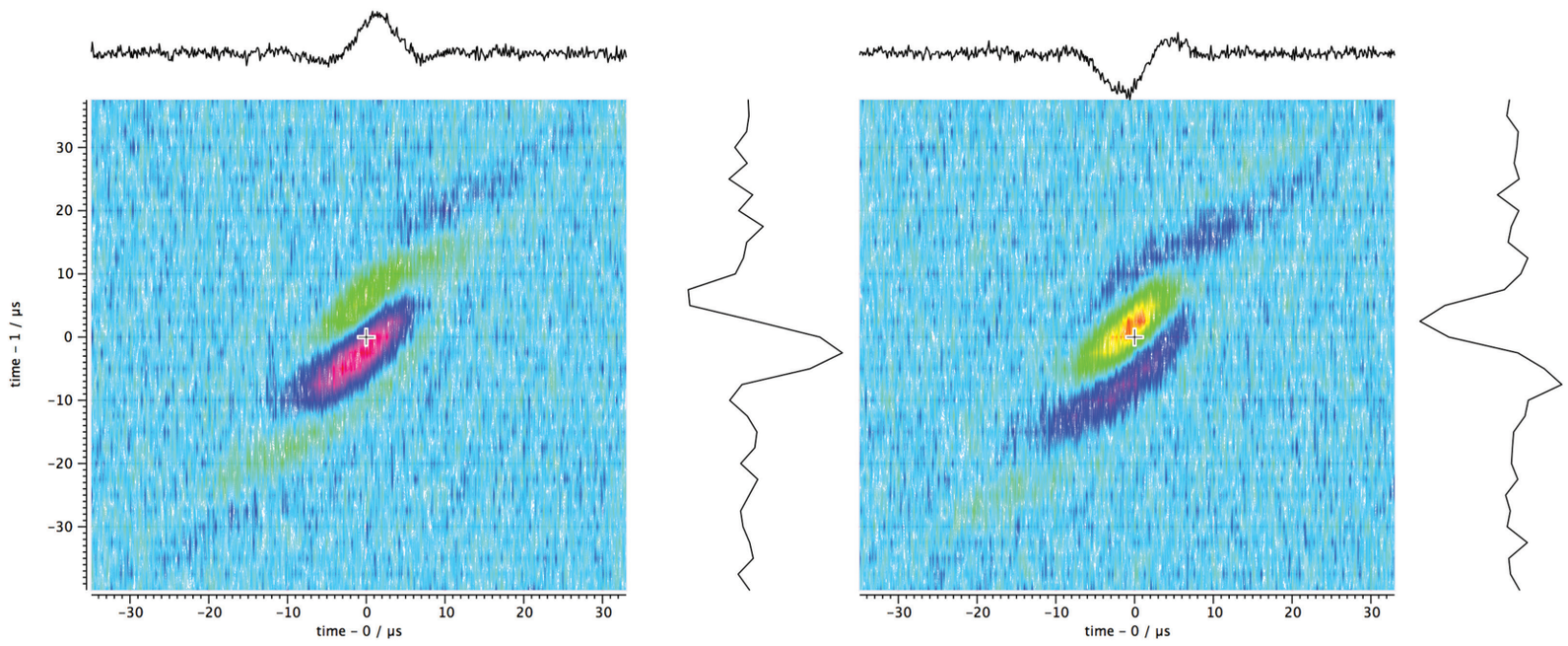
NMR is science



Relaxor ferroelectric PMN-PT

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Field strength: 500 MHz

Why is this your favorite spectrum?

207Pb NMR is often technically demanding due to sensitivity and bandwidth limitations. Using some fancy pulse sequences, we were able to acquire very nice 207Pb data of disordered ferroelectric PMN-PT in just 2 hours of data collection! This figure shows the time domain data resulting from a SHAPMATPIETA sequence after the first data processing step. The final set of data shows a 2D spectrum separating the isotropic and anisotropic components of the spectrum.

This is one of my favorite pieces of spectral data because of the richness of the information it contains and its likeness to a hurricane.