



Natural-abundance sucrose spinning at 1.1kHz

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Field strength: 14.09 T

Why is this your favorite spectrum?

It's a beautiful example of the power of the TOSS-DeTOSS experiment in its ability to take spectra that have isotropic resolution and allow us to obtain several CSA values in a single experiment. We were able to get values that agreed quite well with MAT data from Sherwood.

The spectrum has some peaks that are folded back in, in the f1 dimension as a result of time constraints on a shared instrument, but even with that it still provides excellent resolution of all shifts. We fought for this slow of spinning speed on our 4 mm probe as other samples had problems consistently spinning any lower than 1.5 kHz.