

Line-Broadening in Low-Temperature Solid-State NMR Spectra of Fibrils

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SUPPLEMENTARY MATERIAL FOR:

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Table S1: Overview about experimental parameters used for NMR spectra

Experiment	¹ H spectra (Figure 2a)	¹ H spectra (Figure 2b)	DREAM
MAS frequency/ kHz	40.0	40.0	40.0
Field/ T	14.1	14.1	14.1
Transfer I		HC-CP	HC-CP
¹ H field/ kHz		100	100
X field/ kHz		60	60
Shape		Tangent ¹ H $\Delta_{rf} = 40$ kHz	Tangent ¹ H $\Delta_{rf} = 40$ kHz
Time/ ms		0.5	4
Transfer II			DREAM
¹ H field/ kHz			170 (XiX)
¹³ C field/ kHz			20
Shape			Tangent, $\Delta_{rf} =$ 16 kHz
1			100
Time/ ms			4
t1 increments			2048
Sweep width (t1)/ kHz			100
Acquisition time (t1)/ ms		20.48	10.24
t2 increments	64k	2048	3072
Sweep width (t2)/ kHz	250	150	100
Acquisition time (t2)/ ms	131	20.48	15.26
¹ H XiX decoupling power/ kHz		100	100
Interscan delay/ s		3	3
Number of scans	1	1024	16
Measurement time/ h		0.8	27
Zero-fill to	-	4096	t ₁ : 4k t ₂ : 8k
Window Function	EM (100 Hz)	EM (10 Hz)	t ₁ : QSINE 2.2 t ₂ : QSINE 2.2