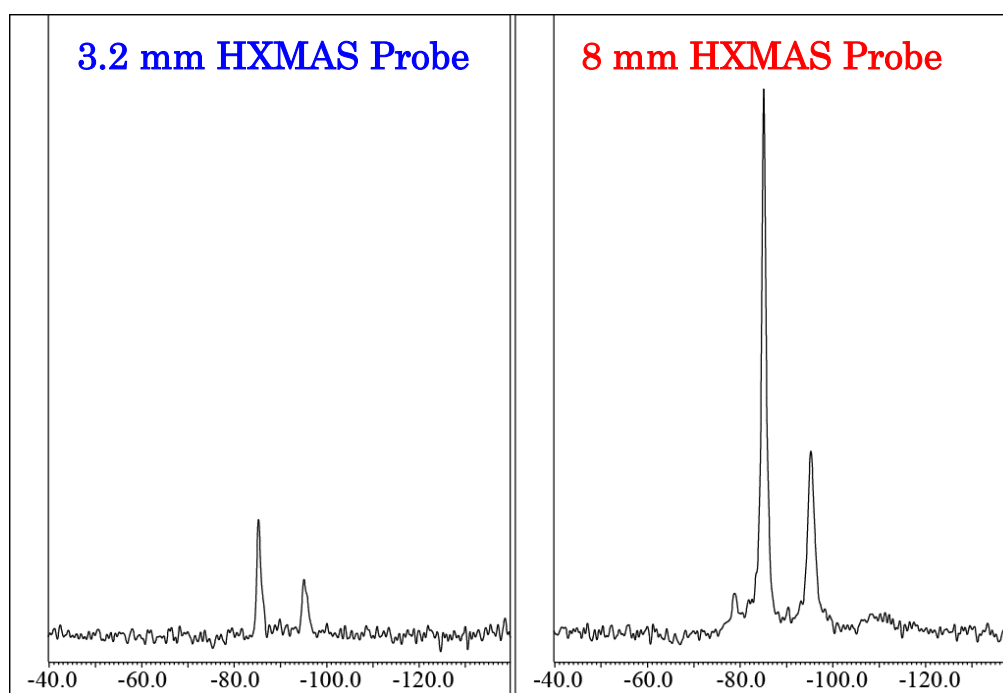


Quick solid-state NMR measurements by 8 mm MAS:

 ^{29}Si NMR with ^1H decoupling

8 mm MAS realizes a very quick observation of ^{29}Si NMR.

- Quick and sensitive observation of ^{29}Si which normally has long T_1 relaxation time.
- Fast MAS rate and strong ^1H decoupling enough to ^{29}Si observation.
- No background signal of ^{29}Si .



Sample: synthesized tobermorite
Measurements: ^{29}Si single pulse with ^1H decoupling
Spectrometer: JNM-ECA500
MAS rate: 7 kHz
Repetition time: 10 s
Number of scans: 128 scans

Sample courtesy of Asahi KASEI corporation