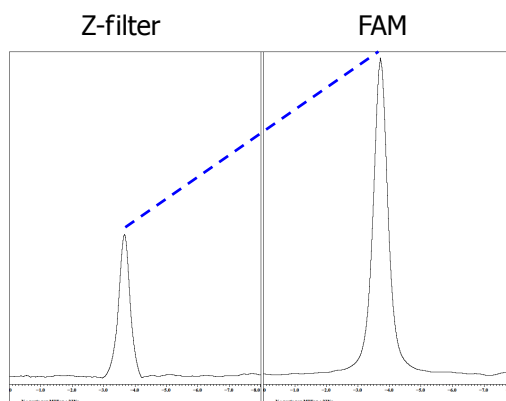
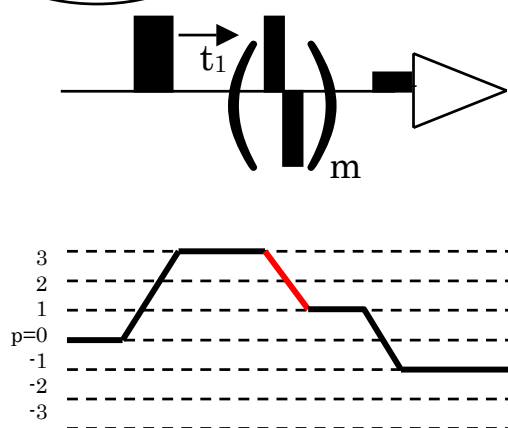


# Modified MQMAS pulse sequences

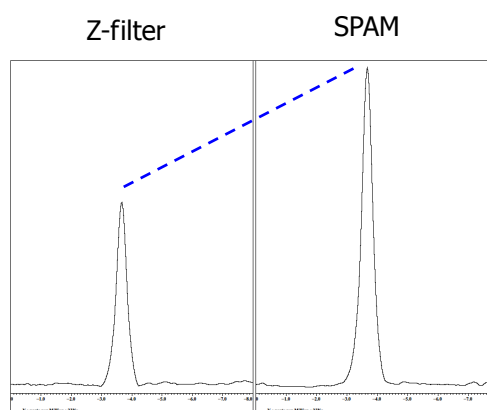
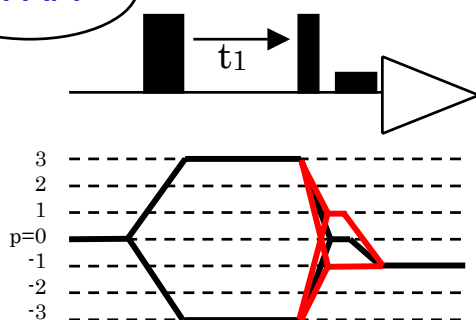
In solid-state NMR, MQMAS (Multiple Quantum Magic Angle Spinning) method is widely used to analyze inorganic materials, but the method is difficult to apply to low-sensitivity samples.

JNM-ECA system provides several MQMAS sequences modified for enhancing signal sensitivity, and so they can cover the measurements of low-sensitivity samples.

## FAM



## SPAM



Z-filter 3QMAS observes:

0 → 3 → 0 → -1

SPAM 3QMAS observes:

0 → 3 → all(1,0,-1) → -1

Sample: Na<sub>2</sub>SO<sub>4</sub>  
Spectrometer: JNM-ECA600