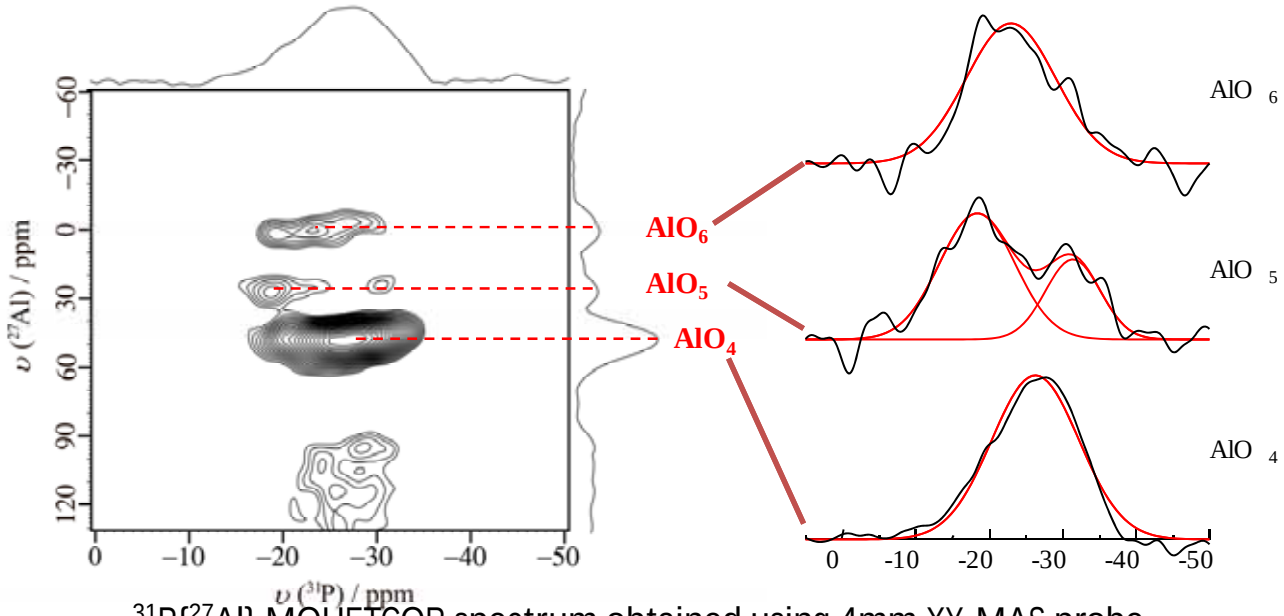
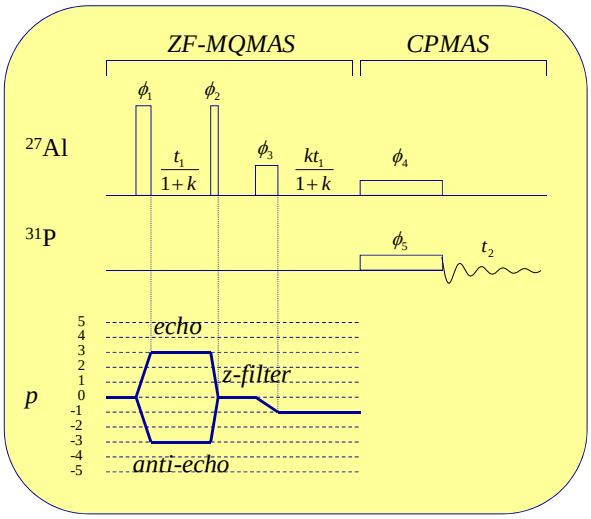
2.5 / 3.2 / 4.0 mm XY-MAS probe

We can supply 2.5, 3.2 or 4.0 mm XY-MAS probes suitable for inorganic materials. The XY-MAS probe has two rf channels which enable simultaneous strong rf-field irradiation.

An NMR study on the structure of amorphous $AlPO_4$ was done by multi-quantum heteronuclear correlation (MQHETCOR) experiments which provide heteronuclear correlation spectra at high resolution in the MQMAS dimension.



$^{31}P\{^{27}Al\}$ MQHETCOR spectrum obtained using 4mm XY-MAS probe.



Reference:

"$^{31}P\{^{27}Al\}$ MQMAS/HETCOR NMR study on structure of Amorphous $AlPO_4$"
T. Iiima, K. Kanehashi, K. Saito, M. Hatakeyama, T. Nemoto, T. Shimizu, and S. Ohki; Chemistry Letters 34 (2005) 1380.

Data courtesy of Dr. Koji Saito of Nippon Steel Corporation.