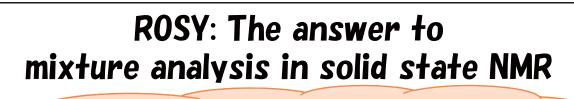
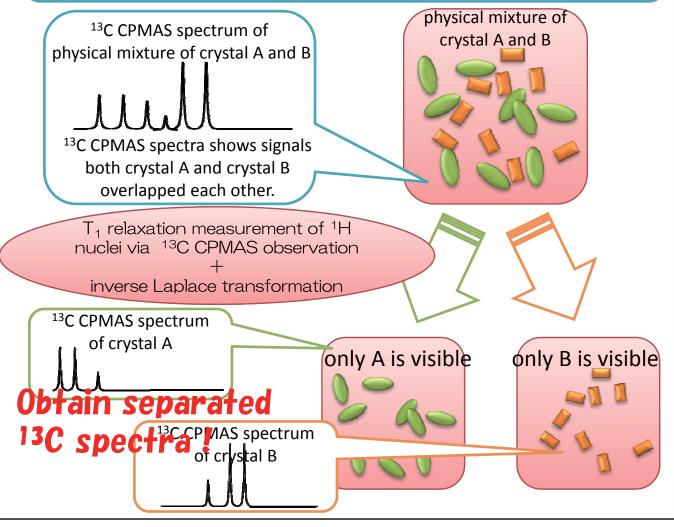
JEOL Application Note NM08-0003E(1)



The ROSY method facilitates easier and faster analysis of samples mixed with more than two components (crystals).

Mixture analysis by ROSY(Relaxation Ordered SpectroscopY) method

Due to the fast spin-diffusion among ¹H spins, the longitudinal relaxation time (T_1) of ¹H spins is governed by the fast relaxing fractions and is uniform within each crystal. Thus we can separate ¹³C CPMAS spectra of each crystal by sorting spectra of the mixture into order of ¹H T_1 time. The procedure is numerically done by inverse Laplace transformation.



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