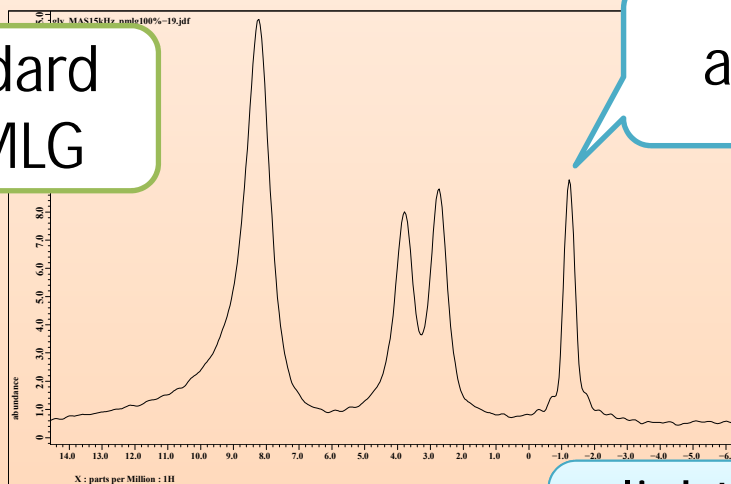


# Supercycled $^1\text{H}$ CRAMPS experiments

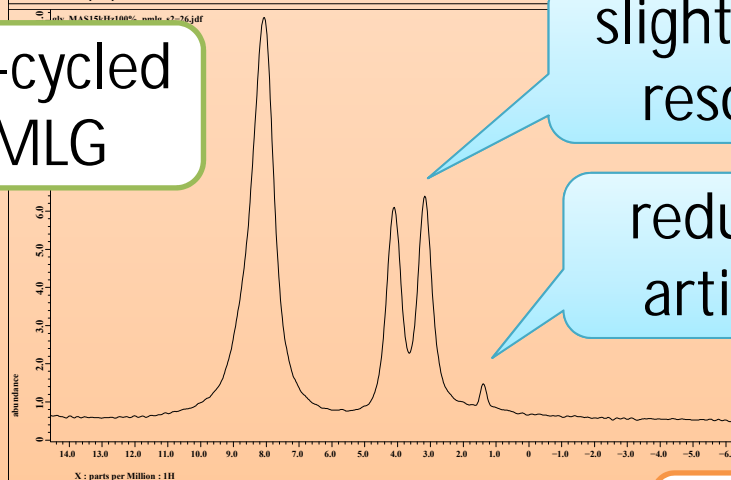
A new  $^1\text{H}$  CRAMPS experiment, which provides high resolution  $^1\text{H}$  NMR spectra in the solid state, has been developed (M. Leskes et al.). An application of this supercycle to wPMLG is to suppress artifacts such as zero Hertz and image peaks. In addition, it may improve resolution.

standard  
wPMLG



artifact

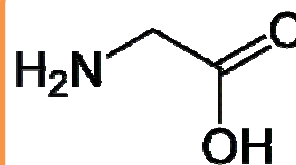
super-cycled  
wPMLG



slightly better  
resolution

reduced  
artifact

supercycled  $^1\text{H}$  wPMLG  
(glycine)



glycine MAS 15kHz at ECA500 with 4.0mm CPMAS probe  
M. Leskes, P.K. Madhu, S. Vega, CPL 447 (2007) 370-374.