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SOLID-STATE NMR OF FLUORINE-CONTAINING SAMPLES

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Recent advances in solid-state NMR have allowed high-resolution spectra to be obtained from fluorinated materials. High-speed Magic-Angle Spinning (MAS) and Combined Rotation and Multiple-Pulse Spectroscopy (CRAMPS) methods are discussed and relative merits considered. Solid-state fluorine-19 NMR spectra can give information about crystallography, structure, morphology and dynamics. Examples exhibiting these features are given, including organic, inorganic and polymeric systems.