

Nuclear Magnetic Resonance Study of Caesium-133 in Binary Molten Trifluoroacetate Salt Mixtures

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The chemical shifts of Cs^+ in binary melts of caesium trifluoroacetate with lithium, sodium, potassium or thallium trifluoroacetates have been studied as a function of composition. An influence of added foreign cations on chemical shift of caesium nuclei has been found. The nature of the intra- and intermolecular paramagnetic contributions into the shifts of ^{133}Cs is discussed.

Key words: Molten Salts; ^{133}Cs NMR Spectra.