

NQR ^{127}I Spectroscopy of Layered Inorganic Compounds Intercalated with Aromatic Amines*

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NQR spectroscopy was used to study the intercalating influence on the iodine electric field gradient of lead(II) and cadmium(II) iodides. We used pyridine, piperidine, aniline and quinoline, as guest substances. In the intercalates the NQR frequencies and their dependence on temperature in different crystalline phases were studied. The peculiarities of chemical bonds and crystal structures were discussed.

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