Relaxation of $^{121}$Sb NQR in Antimony Trichloride due to Raman Process

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Z. Naturforsch. 56a, 777–784 (2001); received August 21, 2001

The spin-lattice relaxation times of $^{121}$Sb nuclear quadrupole resonance in SbCl$_3$ have been measured from 4.2 K to the m. p., 346 K. The result is analyzed with a theory of the Raman process based on covalency and discussed in comparison with the previous result for $^{35}$Cl nuclei.

Key words: SbCl$_3$; $^{121}$Sb-NQR; Relaxation Times; Raman Process; Covalency.