^{93}Nb Nuclear Spin-Spin Relaxation in the Low-Dimensional Antiferromagnet $Fe_{0.25}NbS_2$

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^{93}Nb nuclear spin-spin relaxation has been examined in the low-dimensional antiferromagnet $Fe_{0.25}NbS_2$ between 4.2 K and 300 K. The relaxation is characterized by two T_2's. The temperature dependence is discussed together with the origin of the disappearance of the fast decay at low temperatures.

Key words: NMR; T_2; Spin Dynamics; $Fe_{0.25}NbS_2$; Antiferromagnetism.