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Nmr Studies Of Strained Ba(Fe1-xcox)2as2single Crystal TANAT KISSIKOV, grad student, ADAM DIOGUARDI, post doc, NICHOLAS CURRO, professor, MAKARIY TANATAR COLLABORATION, RAFAEL FERNANDES COLLABORATION — MNR measurements have been performed on strained ba(fe1-xcox)2as2for x=4.8% around tetragonal-to-orthorhombic phase transition at ts. To ensure that the single crystal was strained, resistivity measurements were done in both strained and unstrained configurations. We report the spin-lattice relaxation rate of as site for hparallel and perpendicular to the a-axis direction and show that spin-lattice relaxation rate is anisotropic which reflects the anisotropic spin fluctuations.

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