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NMR Studies of $CeCoIn_5$ below 1K N. CURRO, B.-L. YOUNG, R. URBANO, R. MOVSHOVICH, J. SARRAO, Los Alamos National Laboratory — We present new NMR data in the normal and superconducting states of $CeCoIn_5$ below 1K and in fields up to 12T. The temperature dependence of the Knight shift anomalies exhibited by the Co and the two In sites is field dependent in the normal state, and may be related to the presence of a field-tuned quantum critical point. The spectra and relaxation rates exhibit dramatic changes in the superconducting and Fulde-Ferrell-Larkin- Ovchinnikov states.

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