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^{119}Sn NMR studies on the heavy fermion compound $CeSn_3$ JOHN CROCKER, ANDREW KIM, PETER KLAVINS, NICHOLAS CURRO, UC Davis — $CeSn_3$ does not exhibit long-range order at low temperatures, thus it provides an interesting baseline for NMR studies of the Knight shift. We report the synthesis and characterization of single crystals of $CeSn_3$, as well as ^{119}Sn nuclear magnetic resonance (NMR) measurements from 4.5K to room temperature. Our data reveal a broad peak in the knight shift (K) at $T_{max} \approx 135$K, and a knight shift anomaly at $T^* \approx 85$K.

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