

Abstract Submitted
for the MAR16 Meeting of
The American Physical Society

Temperature Dependent Atomic and Electronic Structure of LuFe₂O₄ SIZHAN LIU, HAN ZHANG, New Jersey Institute of Technology, SANJIT GHOSE, Brookhaven National Laboratory, THOMAS EMGE, Rutgers University, DANIEL KAPLAN, U.S Army RDECOM-ARDEC, CHERNO JAYE, DANIEL FISHER, NIST, SANG-WOOK CHEONG, Rutgers University, TREVOR TYSON, New Jersey Institute of Technology — Structural measurements on multiple length scales have been conducted over a broad range of temperatures. These measurements have been complemented by optical and thermal measurements. The nature of the observed local atomic and electronic structural changes will be discussed and compared with previous work. This work is supported by DOE Grant DE-FG02-07ER46402.

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Date submitted: 06 Nov 2015

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