Abstract Submitted
for the MAR17 Meeting of
The American Physical Society

Exploration of the Structure of the High Temperature Phase of the Hexagonal $RMnO_3$ System T WU, T. A. TYSON, H. ZHANG, T. YU, New Jersey Inst. Tech., K. PAGE, Oak Ridge National Laboratory, S. GHOSE, Brookhaven National Laboratory — Temperature dependent structural studies of the high temperature phase of hexagonal RMnO3 systems have been conducted. Both long range and local structural probes have been utilized. Discussions of the appropriate space groups and local distortions relevant to length scale will be given. Ab initio MD simulations are used to interpret the observations. This work is supported by DOE Grant DE-FG02−07ER46402.

T Tyson
New Jersey Inst. Tech.

Date submitted: 11 Nov 2016 Electronic form version 1.4