## Abstract Submitted for the MAR17 Meeting of The American Physical Society

Low-temperature thermal conductivity of the metal-organic perovskite  $[C(NH_2)_3][Cu(HCOO)_3]^1$  DHARMENDRA SHUKLA, NARAYAN PRASAI, JOSHUA L. COHN, Department of Physics, University of Miami, MER-CEDES M. A. MAZZA, AMY M. SCOTT, Department of Chemistry, University of Miami — We report measurements of thermal conductivity on single crystals of the metal-organic hybrid perovskite  $[C(NH_2)_3][Cu(HCOO)_3]$  in the temperature range 5K to 300K. In addition to its potential in photovoltaic applications, this compound draws interest for its low-dimensional antiferromagnetism associated with Cuformate chains (along the crystallographic *c*-axis of the orthorhombic structure).<sup>*a*</sup> We will present thermal conductivity measurements along the three main symmetry directions ([100], [010], and [001]) and discuss its anisotropy.

<sup>a</sup> Hu et al., Chem. Eur. J. **15**, 12050 (2009).

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