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Thermal and electrical transport in the cuprate superconductor Nd-LSCO LOUIS TAILLEFER, R. DAOU, S.Y. LI, DAVID LEBOEUF, OLIVIER CYR-CHOINIERE, University of Sherbrooke, J.-Q. YAN, J.-S. ZHOU, J.B. GOODENOUGH, University of Texas at Austin — We present a study of the thermal and electrical transport properties of the cuprate superconductor Nd-LSCO in a wide range of doping from $x=0.12$ to $x=0.25$. The behavior of the thermal conductivity in the zero temperature limit allows us to access the quasiparticle transport in both the superconducting and normal state. The impact of stripe order on quasiparticle transport is discussed.

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