

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Measurements of the Thermal Conductivity of Vycor Glass filled with Superfluid ^4He ¹ WILLIAM TIERNAN, Mesa State College, Grand Junction, CO and Univ. of Mass. Amherst, MA, SILVIA IONSECU, MICHAEL RAY, ROBERT HALLOCK, Univ. of Mass. Amherst, MA — We report on experiments designed to measure the thermal conductivity of Vycor filled with superfluid ^4He for temperatures in the range 1.2 - 2.0 K and pressures from 2 - 30 atm.. The experimental apparatus, which consists of a rod of Vycor held in a stainless steel tube, will be described. We will report available results for the thermal conductivity as a function of temperature and pressure.

¹Supported by the NSF

Robert Hallock
Univ. of Mass. Amherst

Date submitted: 20 Nov 2008

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