

Abstract Submitted
for the MAR05 Meeting of
The American Physical Society

Sorting Category: 21.3 (T)

Acoustic attenuation in atom traps SERGIO GAUDIO,
Theory Division, LANL, Department of Physics, Boston College, K.B.
BLAGOEV, Theory Division, LANL, K.S. BEDELL, Department of
Physics, Boston College, EDDY TIMMERMANS, Theory Division,
LANL — We study the damping rate of a BEC phonon excitation in a
Bose-Fermi mixture gas. We show how the damping varies in the pres-
ence of the BCS superfluid phase in the Fermi gas. We, furthermore, point
out some substantial differences with the condensed matter analogue in
normal superconductors.

Prefer Oral Session
 Prefer Poster Session

Date submitted: 05 Jan 2005

Sergio Gaudio
gaudios@bc.edu
Los Alamos National Lab

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