

DAMOP10-2010-000454

Abstract for an Invited Paper
for the DAMOP10 Meeting of
the American Physical Society

Dissipative Fluid Dynamics for the Dilute Fermi Gas at Unitarity

THOMAS SCHAEFER, North Carolina State University

We summarize recent attempts to extract transport coefficients of the dilute Fermi gas at unitarity from experiments using scaling flows. We analyze data from collective mode, elliptic flow, and rotational flow experiments. We compare with expectations from kinetic theory, and discuss alternative strategies for extracting transport properties.