

Abstract Submitted  
for the MAR09 Meeting of  
The American Physical Society

**Phenomenology Of Trapped Polarized Fermi Gases** LESLIE BAKSMATY, Rice University, HONG LU, Rice University, HAN PU, CARLOS BOLECH, Rice University — We discuss recent, apparently contradictory experimental results on trapped, polarized, resonantly interacting fermions. Our analysis occurs in the context of a full 3D Bogoliubov-deGennes analysis and we dwell on the possible roles of the confining geometry in producing density distortions away from the local density approximation with implications for the Superfluid-Normal transition (Clogston limit).

leslie baksmaty  
Rice University

Date submitted: 21 Nov 2008

Electronic form version 1.4