

Abstract Submitted
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Atomic Fermi gases with unequal spin populations MEERA
PARISH, University of Cambridge — We investigate the properties of a gas of
fermionic atoms where the two spin populations are unequal. By considering how
the ground state evolves as a function of inter-atomic interaction and population im-
balance, we will determine what the measurable differences are between the various
theoretical models of the BCS-BEC crossover in atomic gases.

Meera Parish
University of Cambridge

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