

Abstract Submitted
for the DAMOP10 Meeting of
The American Physical Society

The Imbalanced Antiferromagnet HENK STOOF, Utrecht University
— We study the rich properties of the imbalanced antiferromagnet in an optical lattice. We present its phase diagram, discuss spin waves and explore the emergence of topological excitations in two dimensions, known as merons, which are responsible for a Kosterlitz-Thouless transition that has never unambiguously been observed.

Henk Stoof
Utrecht University

Date submitted: 12 Jan 2010

Electronic form version 1.4