



LEIGH PAGE PRIZE LECTURES YALE UNIVERSITY



Like toddlers pair on the Galilee,
Electrons pair on a Fermi sea,
Superconductivity.

The Department of Physics is pleased to announce that
the 2004 Leigh Page Prize Lectures will be delivered by

PROFESSOR KATHRYN MOLER

Stanford University

Quantum Mechanics of Nanostructures

An introduction to the wavelike nature of electrons, followed by the reasons that moving through some solids makes electrons seem to stop acting like waves, and the ways that nanotechnology helps us visualize and understand these effects.

Monday April 12, 2004

Superconductivity

A lecture on how electrons and other particles can form pairs to move without resistance, including an update on modern materials and Bose-Einstein condensates.

Wednesday April 14, 2004

Spin-charge Separation

A lecture on how an electron can break up into fractional quasiparticles, on how that might lead to superconductivity, and on the search for spin-charge-separated superconductors.

Friday April 16, 2004

The lectures will be held at 4:00 PM in Room 57 of the Sloane Physics Laboratory, 217 Prospect Street, New Haven. They are designed to be broadly accessible, and all are welcome to attend. Tea and cookies will be served at 3:30 PM in the Sloane Lounge on the 3rd floor.