

Physics Department Seminar

Friday ^{Feb}~~March~~ 28th, 2003

11:00am in PhSc 105

“Recent Developments in Helium-3: Bright Results from the Dark Side of the Bay”



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Abstract:

Experiments over the last three years at U.C. Berkeley and in Paris have provided spectacular confirmation of the validity of Quantum Mechanics on a macroscopic scale. Superfluid Helium 3 is shown to behave much like the electron “fluid” in an ordinary super conductor only now in a visible hydrodynamic medium. In particular, the Josephson “Weak-Link” behavior is observed with astounding clarity. We review the experiments and the painstaking work which has made them possible.