

Sean Hart



Graduate Institution: Harvard University

Location: Cambridge, Massachusetts

Graduate Discipline: Condensed Matter Physics

Hometown: Lake Forest, Illinois

Research Interests:

My research interests have centered on investigation and control of solid state systems. Recently I have concentrated on the Fractional Quantum Hall Effect, where fractionally charged excitations at filling factor $5/2$ are predicted to exhibit non-Abelian statistics. Other interests include quantum computation and topological states of matter.

About me:

I went to Stanford University for my undergraduate education, where I worked on studies of superconducting sensors for the Cryogenic Dark Matter Search. Currently I am a graduate student in the lab of Professor Amir Yacoby at Harvard University, where I am working to experimentally probe edge modes and excitations of Fractional Quantum Hall states.



U.S. DEPARTMENT OF
ENERGY

Office of
Science