

Anyon Interferometry in the Fractional Quantum Hall Regime

Postdoctoral Fellowship Available

Description:

The Manfra Group at Purdue University seeks a postdoctoral fellow to study quasiparticle interferometry in the Fractional Quantum Hall Regime. Building on recent innovations in Fabry-Perot interferometer design, we have directly measured anyonic braiding statistics at $\nu=1/3$. See Nature Physics **16**, 931-936. We continue to develop new experiments to probe fractional statistics, including non-Abelian states. We are looking for someone to join this exciting project at the forefront of quantum physics!

Qualifications:

The ideal candidate will have experience with fabrication of mesoscopic devices and small signal electrical measurements in a dilution refrigerator. More information about ongoing work in the Quantum Semiconductor Systems Group/Microsoft Quantum Purdue can be found at <https://manfragroup.org/>.

Interested applicants should contact Prof. Michael Manfra at mmanfra@purdue.edu.

