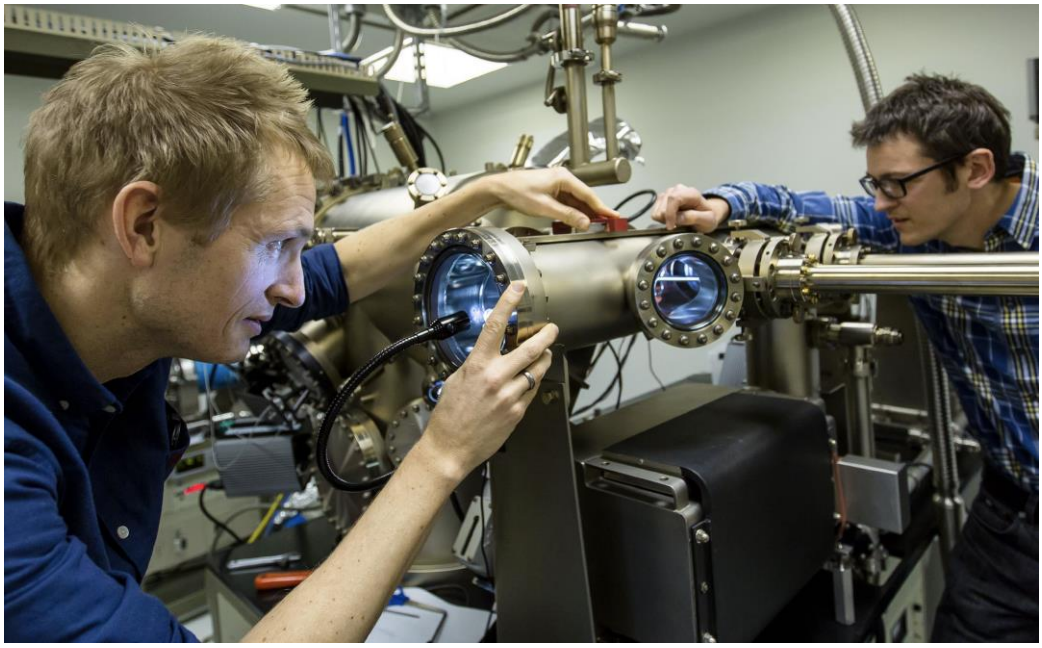
Masters Project in QDev:

The superconducting 2D electron gas

A new Masters Project is available in the Center for Quantum Devices to grow and characterize two-dimensional semiconductor heterostructures including epitaxial superconductors. You will learn the physics of semiconductors and superconductors, the technology of molecular beam epitaxy, nanofabrication, and low-temperature measurements. This material will serve as the basis of numerous experiments in toplogical physics, Josephson qubits, triplet superconductivity, and more.

Work with the best equipment in condensed matter physics on a problem that the world cares about. Discuss physics with colleagues, become an experimental scientist.

You can read more about these materials here https://arxiv.org/abs/2104.01159.



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