

Ultracold Atoms and Molecules

Introductory Student Research Project

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Cool, trap, and manipulate atoms at nanoKelvin temperatures! Here's your chance to design and build an atom trapping apparatus. Aspects of this work include lasers and optics, electronics, and high vacuum technology. Research in this new lab will be aimed towards investigations of ultracold molecule formation, many-body states of atoms, as well as precision measurements using matter-wave interference. You can contact me at deepg@u.washington.edu.

Start date: Fall 2007

Website: <http://www.phys.washington.edu/users/deepg/>