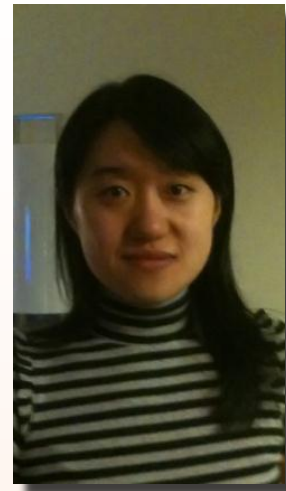


Dr. Yingmei Liu

Department of Physics

Dr. Yingmei Liu has been an assistant professor of physics at Oklahoma State University since August 2009. She was a leading researcher from 2004 to 2009 in two Nobel-prize winning groups, one with Dr. Wolfgang Ketterle at MIT and the other with Dr. Bill Phillips at NIST. She received her Ph.D. degree in physics from the University of Pittsburgh in August 2004.

Dr. Liu leads an experimental AMO physics group, a part of a multidisciplinary program in Photonics at OSU. In Spring 2011, her group achieved the first successful creation of ultracold sodium atoms in Oklahoma. The main research interest of her group is to investigate spin-squeezing with sodium Bose-Einstein Condensates near absolute zero temperature, and its immediate applications to quantum information science. This research is both of fundamental interest for advancing our understanding of quantum physics, and of technological significance. Its interdisciplinary character envelops a broad spectrum of fields in physics, computer science, and information theory



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