

Joint Colloquium

Department of Physics, The University of Hong Kong
The Physical Society of Hong Kong

The Exploding Field of Quantum Gases
Professor Tin-Lun (Jason) Ho
The Ohio State University, USA

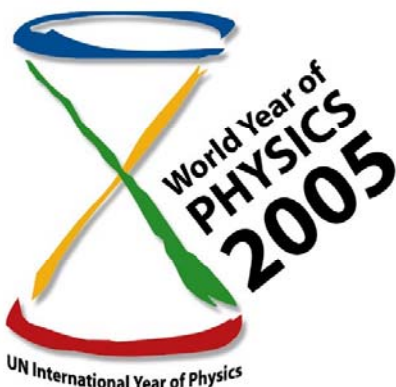
4:00pm, 22 November 2004 (Monday)

**Venue: Lecture Room T2, Meng Wah Complex Building,
The University of Hong Kong**

[The lecture Rm T2 is located near the Physics Building (outside the G-floor),
see the map at the website <http://www.hku.hk/estates/newmap/> for details]

The field of quantum gases has been expanding in an incredible rate since the discovery of Bose-Einstein condensation in 1995. The reason is that the physics of quantum gases are related to fundamental issues in many different areas, including condensed matter physics, atomic physics, quantum optics, nuclear physics, and quantum information theory. In this talk, I shall present the rich physics of quantum gases and point out some of these connections.

The Speaker: Prof. Tin-Lun Ho received his BSc from the Chinese University of Hong Kong, and PhD at Cornell University. He is Distinguished Professor of Mathematical and Physical Sciences at the Ohio State University. Among the honors Prof. Ho has received include the Alfred P. Sloan Foundation Fellow and Fellow of John Simon Guggenheim Memorial Foundation. He is a Fellow of the American Physical Society. Prof. Ho is a condensed matter physicist, and has made significant contributions to the fields of liquid helium, quasi-crystals and quantum Hall effect. He is a today's leading theorist on Bose-Einstein condensation in quantum gases of atoms.



The United Nations General Assembly has declared 2005 the International Year of Physics (IYP2005). The Physical Society of Hong Kong (PSHK) and physics departments in Hong Kong will organize a series of joint colloquia to celebrate IYP2005. This joint colloquium by Prof. T.L. Ho will kick off our year-round colloquia series. Staff and students from all physics departments are cordially invited to join us in celebrating IYP2005.