



THE CHINESE UNIVERSITY OF HONG KONG

Department of Physics
Institute of Theoretical Physics

COLLOQUIUM

Working Under Pressure

by

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Date: July 6, 2009 (Monday)

Time: 4:00 - 5:00 p.m.

Place: L2, Science Centre, CUHK

(Light refreshments will be served 20 minutes prior to the colloquium.)

ALL INTERESTED ARE WELCOME

Abstract

The effect of pressure on the electronic structure and the resulting structural polymorphism will be discussed. The origin of ubiquitous presence of superconducting phases at high pressure is explained. Applications of state-of-the-art structural prediction techniques and many body perturbation for the calculation of optical properties will be presented.

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