

Joint CQSE and CASTS Seminar

Weekly Seminar
Jan. 10, 2014 (Friday)

TIME Jan. 10, 14:30 ~ 15:30
TITLE Exciton many-body effects and their Quantum Condensation
SPEAKER Prof. Monique Combescot
National Center for Scientific Research, France
PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

Bose-Einstein condensation of excitons has been looked - and missed - for decades. These particles suffer a rather subtle Quantum Condensation in which their composite nature plays a key role. I will explain why excitons fundamentally condense into a dark state not coupled to light and how we can still "see" them by optical tools. I will also present recent experimental data obtained by Francois Dubin's group which support this understanding.

