

CQSE Special Seminar

Weekly Seminar
May 17, 2013 (Friday)

TIME May 17, 15:40 ~ 16:40
TITLE How a simple idea leads to one of the ten hottest papers in 110 years of Physical Review
SPEAKER Dr. Min-Hsiu Hsieh
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PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

In this talk, we review a simple idea that leads to one of the most fundamental discoveries in quantum physical, the quantum teleportation, which becomes one of the ten hottest papers in 110 years of Physical Review. Other celebrated phenomena can also directly trace their roots to this simple idea such as so-called nonlocality without entanglement and quantum data hiding. More generally, it also paved the way for future research into local operation and classical communication (LOCC) and its fundamental connection to quantum entanglement.

