

Joint CQSE and CASTS Seminar

2019
Jan. 4, Friday

TIME Jan. 4, 2019, 14:30 ~ 15:30
TITLE Single Photon Purification: Implementation and Application in
Quantum Communication
SPEAKER Prof. Chih-Sung Chuu
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PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

High-purity single photons are essential to quantum secure communication and quantum information processing. In this talk, I will report our recent work on purifying the single photons from colloidal quantum dots at room temperature [Phys. Rev. Lett. 119, 143601 (2017)]. I will also present our progress towards the field test of quantum key distribution.

