

CC-03-06

Entanglement distribution and next challenges

Alexander Ling

Centre for Quantum Technologies, National University of Singapore

Abstract

In my talk, I will give an overview of entanglement distribution work that has been performed in Singapore, and our plans for the next steps. I will discuss a recent result where we look at the overall system performance for generation and detection of entangled photons in the NIR regime, and discuss how it can enable small scale local networks using telecommunication fiber.