24th Australian Institute of Physics Congress



Contribution ID: 63 Type: Talk (preferred)

Comparison of Discrete and Continuous Variable Quantum Key Distribution Protocols over a Thermal-Loss Channel

Tuesday 13 December 2022 16:30 (15 minutes)

In a thermal-loss channel, it is uncertain whether a discrete-variable or a continuous-variable quantum key distribution (QKD) protocol is more optimal. We investigate QKD protocols in a thermal-loss setting but with the assumed availability of perfect sources and detectors.

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Session Classification: AIP: Quantum Science and Technology

Track Classification: AIP Congress: AIP: Quantum Science and Technology