Séminaire

Practical challenges in quantum cryptography

In this talk, we discuss the current landscape in quantum cryptography in the context of future quantum-safe secure communications and describe the state-of-the-art and practical challenges in this field. We focus in particular on recent photonic implementations, using encodings in discrete or continuous variables of light, of central quantum network protocols, enabling secret key distribution and transactions with quantum money, with maximal security guarantees.

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