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Quantum information science using photons. (English) [Zbl 1049.81517](#)

Heiss, Dieter (ed.), Fundamentals of quantum information. Quantum computation, communication, decoherence and all that. Berlin: Springer (ISBN 3-540-43367-8/hbk). Lect. Notes Phys. 587, 149-197 (2002).

Summary: Quantum optics provides an ideal medium for implementing some of the most interesting quantum information schemes. This chapter gives an overview of photons as carriers of quantum information and their use in protocols such as quantum teleportation, quantum cryptography and quantum cloning.

For the entire collection see [\[Zbl 1001.00012\]](#).

MSC:

[81P68](#) Quantum computation

[81V80](#) Quantum optics

Cited in **10** Documents