

Photonics, optics, quantum information processing, and quantum hybrid systems.

Objective

Achieving a better understanding of photonics, optics, on-chip quantum optics, quantum information processing, quantum hybrid systems, quantum measurements, quantum simulators, and related systems.

Summary of Research Activities

- Research done on various aspects of photonics, optics, on-chip quantum optics, quantum measurements, quantum photon routers, quantum information processing, quantum hybrid systems, and related systems.
- These interdisciplinary studies often involve hybrid structures, e.g., photons and electrons, or various resonators coupled to other quantum systems and exchanging energy with them.

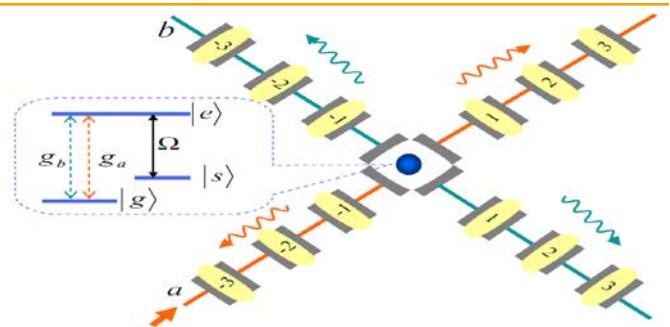


Figure: Routing single photons in two-channels made of two coplanar waveguide resonators. PRA 89, 013805 (2014).

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