9:00am - 9:30am (Invited)
WD2

Cavity Quantum Electrodynamics with the Whispering Gallery Modes of Quartz Microspheres

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Cavity quantum electrodynamics in the strong coupling regime investigates dynamical processes for single atoms and photons. The whispering gallery modes of quartz microspheres have small mode volume ($V \sim 10^9\ cm^3$) and high quality factors ($Q \simeq 10^9$ - 10^{10}), making them very attractive systems for cavity QED in the optical domain.

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