

Gerhard Rempe

Projects:



- [Bose-Einstein condensation](#)
- [Cavity Quantum Electrodynamics](#)
- [Cold Molecules](#)
- [Quantum Information Processing](#)
- [Atom optics and atom interferometry](#)

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Most recent publications:

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A few selected publications from the time before time began:

Cavity Quantum Electrodynamics with Strong Coupling in the Optical Domain,
 G. Rempe, R. J. Thompson, and H. J. Kimble,
Physica Scripta **T51**, 67-77 (1994).

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"Atomic Physics 13", H. Walther, T. W. Hänsch, B. Neizert (Eds.), American Institute of Physics Conference Proceedings, New York, 275, 305-321 (1993).

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Measurement of Ultralow Losses in an Optical Interferometer

G. Rempe, R. J. Thompson, H. J. Kimble, and R. Lalezari,
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Vakuum-Rabi-Aufspaltung einzelner Atome - Ein neues Molekül stellt sich vor

G. Rempe, R. J. Thompson, and H. J. Kimble,
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H. J. Kimble, G. Rempe, R. J. Thompson, and R. J. Brecha,

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Nonclassical Light in the One-Atom Maser

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Very-Low-Temperature Behavior of a Micromaser

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Optics Letters **13**, 1078-1080 (1988).

Laser Experiments with Single Atoms as a Test of Basic Physics

F. Diedrich, J. Krause, G. Rempe, M. O. Scully, and H. Walther,
IEEE Journal of Quantum Electronics **24**, 1314-1319 (1988).

Observation of Quantum Collapse and Revival in a One-Atom Maser

G. Rempe, H. Walther, and N. Klein,
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