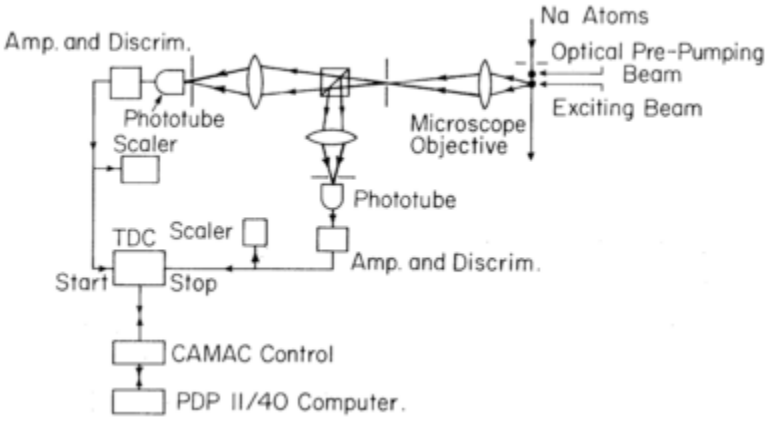
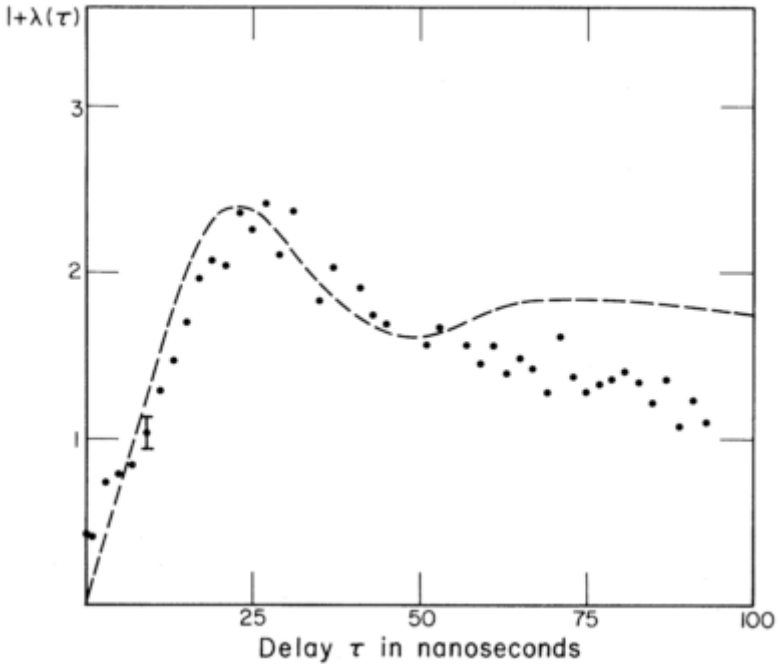
13.1 Single-Photon Sources and Detectors

- SPS based on single atoms

Photon Antibunching in Resonance Fluorescence

H. J. Kimble,[(a)] M. Dagenais, and L. Mandel
Department of Physics and Astronomy, University of Rochester, Rochester, New York 14627
(Received 22 July 1977)





13.1 Single-Photon Sources and Detectors

- SPS based on single atoms

A Single-Photon Server with Just One Atom

Markus Hijlkema, Bernhard Weber, Holger P. Specht, Simon C. Webster, Axel Kuhn[1], and Gerhard Rempe
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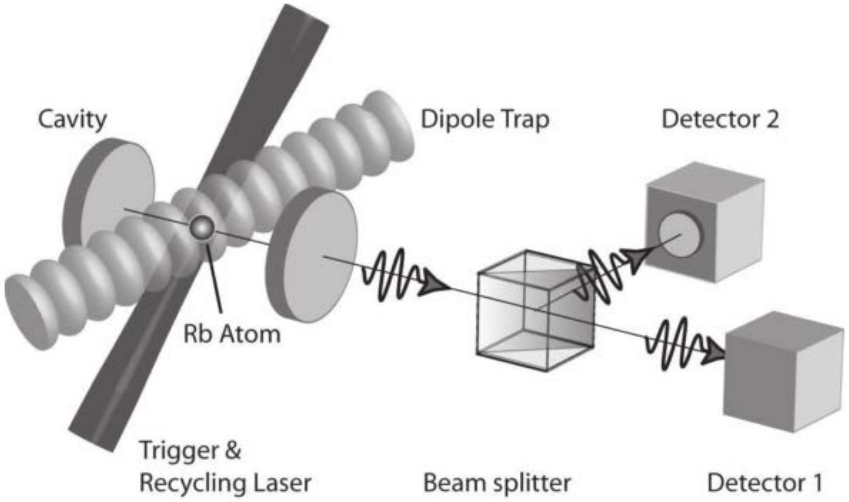
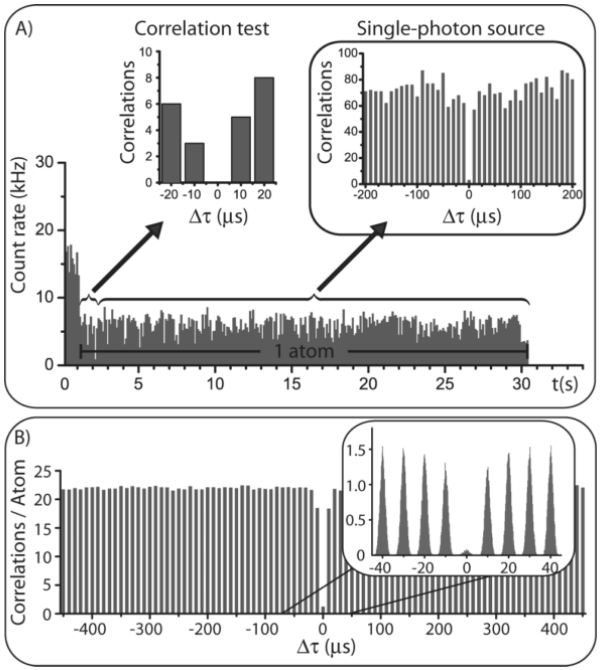
[1] *Department of Physics, University of Oxford, Clarendon Laboratory, Parks Road, Oxford, OX1 3PU, United Kingdom*
(Dated: February 1, 2008)





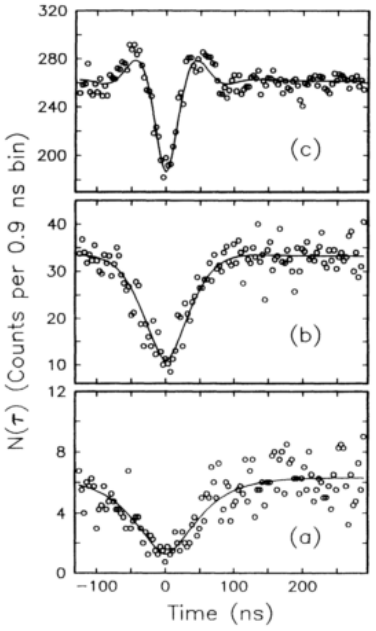
13.1 Single-Photon Sources and Detectors

- SPS based on single molecules

Photon Antibunching in the Fluorescence of a Single Dye Molecule Trapped in a Solid

Th. Basché [a] and W. E. Moerner
IBM Research Division, Almaden Research Center, San Jose, California 95120

M. Orrit and H. Talon
Centre de Physique Moléculaire Optique et Hertzienne, CNRS, and Université de Bordeaux I, Talence, France
(Received 18 May 1992)



13.1 Single-Photon Sources and Detectors

- SPS based on single molecules

Photon Antibunching in the Fluorescence of a Single Dye Molecule Trapped in a Solid

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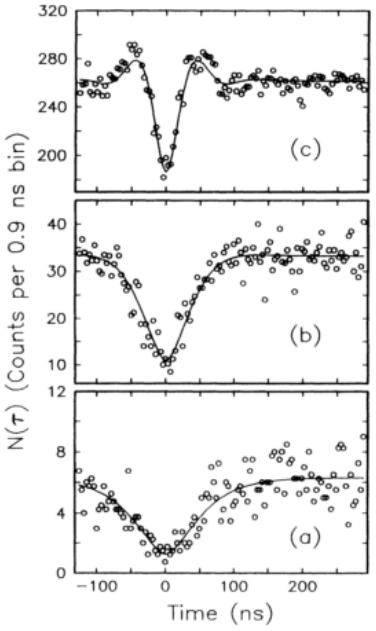


13.1 Single-Photon Sources and Detectors

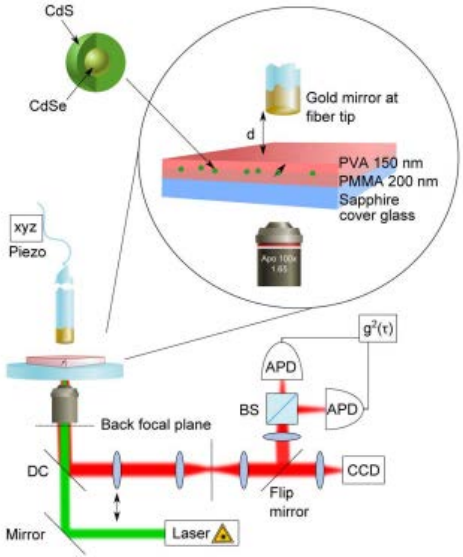
- Improving collection efficiency

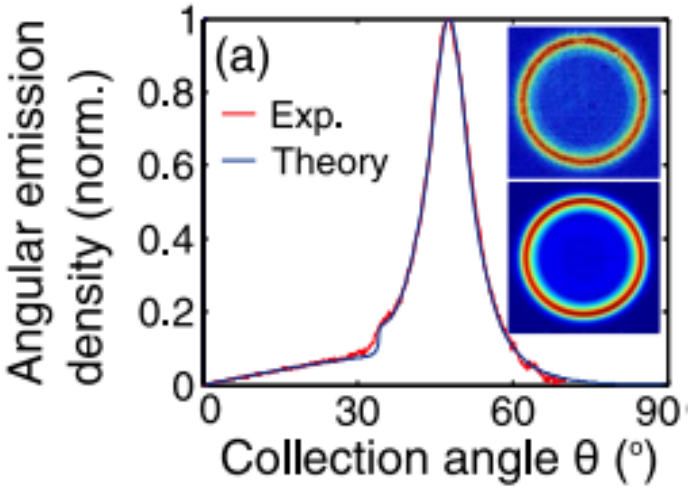
Research Article Vol. 1, No. 4 / October 2014 / Optica 203

optica

Experimental realization of an optical antenna designed for collecting 99% of photons from a quantum emitter

X.-L. Chu,[1,2] T. J. K. Brenner,[1,3] X.-W. Chen,[1,2] Y. Ghosh,[4] J. A. Hollingsworth,[4] V. Sandoghdar,[1,2] and S. Götzinger[1,2,*]





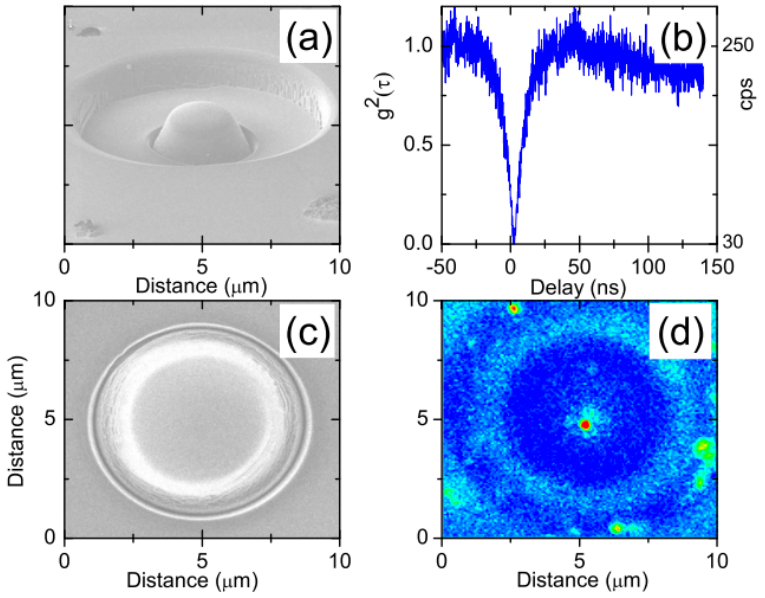
13.1 Single-Photon Sources and Detectors

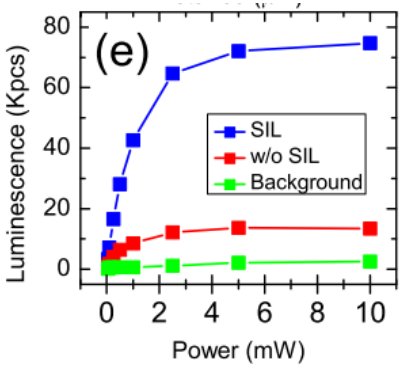
- SPS based on NV-Centers in Diamond

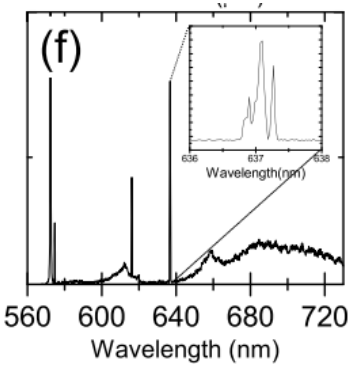
AIP | Applied Physics Letters

Nanofabricated solid immersion lenses registered to single emitters in diamond

L. Marseglia, J. P. Hadden, A. C. Stanley-Clarke, J. P. Harrison, B. Patton, Y.-L. D. Ho, B. Naydenov, F. Jelezko, J. Meijer, P. R. Dolan, J. M. Smith, J. G. Rarity, and J. L. O'Brien







13.1 Single-Photon Sources and Detectors

- SPS based on quantum dots

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nature photonics

Near-optimal single-photon sources in the solid state

N. Somaschi[1†], V. Giesz[1†], L. De Santis[1,2†], J. C. Loredo[3], M. P. Almeida[3], G. Hornecker[4,5], S. L. Portalupi[1], T. Grange[4,5], C. Antón[1], J. Demory[1], C. Gómez[1], I. Sagnes[1], N. D. Lanzillotti-Kimura[1], A. Lemaître[1], A. Auffeves[4,5], A. G. White[3], L. Lanco[1,6] and P. Senellart[1,7]*