Determining the Minimum Uncertainty State of Nonclassical Light

C. Gabriel, J. Janousek, H.-A. Bachor

(Submitted on 21 Jan 2009)

Squeezing experiments which are capable of creating a minimum uncertainty state during the nonlinear process, for example optical parametric amplification, are commonly used to produce light far below the quantum noise limit. This report presents a method with which one can characterize this minimum uncertainty state and gain valuable knowledge of the experimental setup.

Subjects: Quantum Physics (quant-ph) Cite as: arXiv:0901.3309v1 [quant-ph]

Submission history

From: Christian Gabriel [view email] [v1] Wed, 21 Jan 2009 16:38:48 GMT (399kb)

Which authors of this paper are endorsers?

Download:

- PDF
- PostScript
- Other formats

Current browse context:

quant-ph

< prev | next >

new | recent | 0901

References & Citations

- SLAC-SPIRES HEP (refers to | cited by)
- CiteBase



Link back to: arXiv, form interface, contact.