

Jonas Schou Neergaard-Nielsen - DTU Orbit (07/08/2016)

Neergaard-Nielsen, Jonas Schou

jsne@fysik.dtu.dk

Department of Physics - Researcher

Quantum Physics and Information Technology

Publications:

Assessments of macroscopicity for quantum optical states

Laghaout, A., Neergaard-Nielsen, J. S. & Andersen, U. L. 2015 In : Optics Communications. 337, p. 96-101

Publication: Research - peer-review › Journal article – Annual report year: 2015

Hybrid discrete- and continuous-variable quantum information

Andersen, U. L., Neergaard-Nielsen, J. S., van Loock, P. & Furusawa, A. 2015 In : Nature Physics. 11, 9, p. 713-719 7 p.

Publication: Research - peer-review › Journal article – Annual report year: 2015

Increasing the photon collection rate from a single NV center with a silver mirror

Israelsen, N. M., Kumar, S., Tawfiq, M., Neergaard-Nielsen, J. S., Huck, A. & Andersen, U. L. 2014 In : Journal of Optics. 16, 11, p. 114017 8 p.

Publication: Research - peer-review › Journal article – Annual report year: 2014

Amplification of realistic Schrödinger-cat-state-like states by homodyne heralding

Laghaout, A., Neergaard-Nielsen, J. S., Rigas, I., Kragh, C., Tipsmark, A. & Andersen, U. L. 2013 In : Physical Review A (Atomic, Molecular and Optical Physics). 87, 4, p. 043826

Publication: Research - peer-review › Journal article – Annual report year: 2013

A Variable Single Photon Plasmonic Beamsplitter

Israelsen, N. M., Kumar, S., Huck, A., Neergaard-Nielsen, J. S. & Andersen, U. L. 2013

Publication: Research - peer-review › Paper – Annual report year: 2013

Displacement-enhanced entanglement distillation of single-mode-squeezed entangled states

Tipsmark, A., Neergaard-Nielsen, J. S. & Andersen, U. L. 2013 In : Optics Express. 21, 6, p. 6670-6680

Publication: Research - peer-review › Journal article – Annual report year: 2013

Heralded generation of a micro-macro entangled state

Andersen, U. L. & Neergaard-Nielsen, J. S. 2013 In : Physical Review A (Atomic, Molecular and Optical Physics). 88, 2, p. 022337

Publication: Research - peer-review › Journal article – Annual report year: 2013

Measurement-induced amplification of optical cat-like states

Laghaout, A., Neergaard-Nielsen, J. S., Rigas, J., Kragh, C., Tipsmark, A. & Andersen, U. L. 2013 *Proceedings of Conference on Lasers and Electro-Optics Europe (CLEO EUROPE) and International Quantum Electronics Conference*. 1 p.

Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Quantum information processing: Two become one

Neergaard-Nielsen, J. S. 2013 In : Nature Photonics. 7, 7, p. 512-513

Publication: Research - peer-review › Journal article – Annual report year: 2013

Quantum tele-amplification with a continuous-variable superposition state

Neergaard-Nielsen, J. S., Eto, Y., Lee, C-W., Jeong, H. & Sasaki, M. 2013 In : Nature Photonics. 7, 6, p. 439-443

Publication: Research - peer-review › Journal article – Annual report year: 2013