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Utilizing Optical Transition Edge Sensors and Superconducting Nanowire Single Photon Detectors in Quantum Optics

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Abstract: We present the current state-of-the art of single-photon detection in quantum optics using high-efficiency superconducting single photon detectors, the implementation of high-efficiency sources and the measurement of large photon number squeezing in waveguides.

Keywords: Quantum optics: 270.0270|Quantum optics: 270.5570 Quantum detectors|Quantum optics: 270.6570 Squeezed states

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