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Citation: Review of Scientific Instruments **88**, 099901 (2017); doi: 10.1063/1.5004706
View online: http://dx.doi.org/10.1063/1.5004706
View Table of Contents: http://aip.scitation.org/toc/rsi/88/9
Published by the American Institute of Physics

Erratum: "Resonant photodetector for cavity- and phase-locking of squeezed state generation" [Rev. Sci. Instrum. 87, 103114 (2016)]

Chaoyong Chen, Zhixiu Li, Xiaoli Jin, and Yaohui Zheng
State Key Laboratory of Quantum Optics and Quantum Optics Devices, Institute of Opto-Electronics, Shanxi University, Taiyuan 030006, China and Collaborative Innovation Center of Extreme Optics, Shanxi University, Taiyuan, Shanxi 030006, People's Republic of China

(Received 14 September 2017; accepted 19 September 2017; published online 27 September 2017)
https://doi.org/10.1063/1.5004706

In the original paper,[1] Fig. 5 is based on the studies of Sebastian Steinlechner and Tobias Gehring, who provide the initial idea and schematic for the electronics design. Here we would like to add their Ph.D. theses[2,3] as references.

In the fourth paragraph of the introduction, the sentence "Driven by the requirement of quantum optics experiments, a high-gain, multi-function photodetector is designed based on the parallel resonant and 2-way 90° power splitter circuits." should be revised as follows:

Driven by the requirement of quantum optics experiments, a high-gain, multi-function photodetector is studied based on the parallel resonant and 2-way 90° power splitter circuits.

In the conclusion, the sentence "In order to improve the locking performance on the premise of not affecting the squeezing degree, we design a high-gain photodetector based on the LC parallel resonant circuit." should be revised as follows:

In order to improve the locking performance on the premise of not affecting the squeezing degree, we study a high-gain photodetector based on the LC parallel resonant circuit.

[1]C. Chen, Z. Li, X. Jin, and Y. Zheng, Rev. Sci. Instrum. **87**, 103114 (2016).
[2]S. Steinlechner, "Quantum metrology with squeezed and entangled light for the detection of gravitational waves," Ph.D. dissertation (Leibniz Universität Hannover, Germany, 2013).
[3]T. Eberle, "Realization of finite-size quantum key distribution based on Einstein Podolsky-Rosen entangled light," Ph.D. dissertation (Leibniz Universität Hannover, Germany, 2013).