**Erratum: Hacking the Quantum Key Distribution System by
Exploiting the Avalanche-Transition Region of Single-Photon Detectors
[Phys. Rev. Applied 10, 064062 (2018)]**

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Since we found that the decoy-state method had been proposed by several research groups, the following reference [Phys. Rev. Lett. 94, 230503 (2005)] should be added at the end of the paragraph 2 in our paper: “The existence of multiphoton states gave Eve a chink to implement a photon- number-splitting attack until the decoy-state method was proposed [8,9,29,30,46].”

[46] X. B. Wang, Beating the Photon-Number-Splitting Attack in Practical Quantum Cryptography, [Phys. Rev. Lett. 94, 230503 \(2005\)](#).

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