Erratum: Mechanism for quantum speedup in open quantum systems **[Phys. Rev. A 93, 020105(R) (2016)]**

 Hai-Bin Liu, W. L. Yang, Jun-Hong An , and Zhen-Yu Xu

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In our original article, the labels for the two lines in Fig. 1(b) were accidentally interchanged. The correct form of Fig. 1 is as follows.

FIG. 1. (a) Non-Markovianity $\mathcal{N}$ (blue dashed line) and QSL time τ_{QSL} (red solid line) as a function of the coupling constant η . The inset shows the energy spectrum of the total system, where the green dot-dashed line denotes the energy of the formed bound state. The obtained $|c(t)|^2$ (b) and the corresponding decay rate $\Gamma(t)$ (c) with and without bound state. The bound state is formed when $\eta > \eta_c = 0.1$. The parameters are $\omega_c \tau = 800$, $\omega_0/\omega_c = 0.1$, and $s = 1$.