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## **OPEN Publisher Correction: Vacuum** induced transparency and photon number resolved Autler-Townes splitting in a three-level system

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In Figure 1, the schematic diagram is incorrect. The correct Figure 1 appears below as Figure 1.

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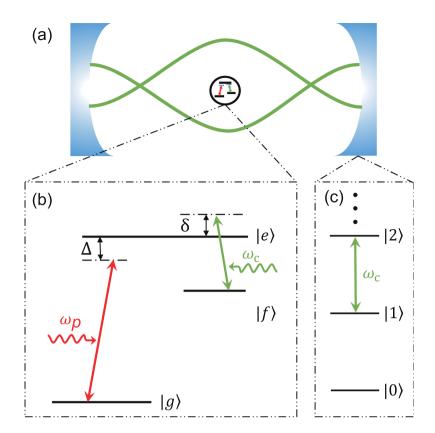


Figure 1. (a) A schematic diagram for a three-level system with  $\Lambda$ -type transitions inside the cavity. Here two green curves schematically represent the cavity field. (b) The schematic diagram for three-level system coupled to a single-mode cavity field and a classical probe field. The cavity field induces the transition between the energy levels  $|e\rangle$  and  $|f\rangle$ , however the probe field induces the transition between the energy levels  $|e\rangle$  and  $|g\rangle$ . Here,  $\Delta = \omega_e - \omega_p$  is the detuning between the frequency  $\omega_p$  of the probe field and the transition frequency  $\omega_e$  of the three-level system,  $\delta = \omega_c - (\omega_e - \omega_f)$  denotes the detuning between the frequency  $\omega_c$  of the cavity field and the transition frequency  $\omega_e - \omega_f$  of the three-level system. (c) A schematic diagram for the energy levels of the cavity field with the equal energy levels spacing  $\omega_c$ .

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