Erratum: Quantum Criticality in Resonant Andreev Conduction [Phys. Rev. Lett. **119**, 116802 (2017)]

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Equation (14) should read

$$\frac{G}{G_0} = 1 - a \frac{T}{T_K}, \quad a \sim 1;$$

i.e., the leading finite-temperature correction is linear in T . The error in Eq. (14) came from us disregarding the effect of the least-irrelevant perturbation of the Emery-Kivelson Hamiltonian. It is the same perturbation which produces the correct low-temperature asymptote of the specific heat in the two-channel Kondo model and which was identified in Ref. [1]. A standard perturbative calculation of the conductance then yields [2,3] a linear-in- T dependence of G . Details can be found in Sec. 4B of Ref. [3].

The very same result can be obtained in the framework of resonant tunneling of Luttinger liquid characterized by parameter $K = 1/2$. The least-irrelevant perturbation to the zero-energy fixed point is different from the $4k_F$ scattering which we quoted after Eq. (14). Instead, the leading perturbation, identified in Ref. [4], has the form of properly symmetrized product of the local density $[\hat{n}(0)]$ and one-particle backscattering $(\psi_L^\dagger \psi_R)$ operators. The two perturbations yield, respectively, the corrections proportional to $T^{2(4K-1)}$ and T^{2K} to the zero-temperature conductance. At $K = 1/2$, the latter one yields the dominant, linear-in- T term; its counterpart in the “strong tunneling” limit was obtained in Ref. [5].

The remaining results of our Letter remain unaffected.

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[2] C. Mora (private communication).

[3] H. Zheng, S. Florens, and H. U. Baranger, *Phys. Rev. B* **89**, 235135 (2014).

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[5] A. Furusaki and K. A. Matveev, *Phys. Rev. B* **52**, 16676 (1995); see Eq. (A9) with $N = 1/2$ and $|r_L| = |r_R|$ therein.