**Erratum: Insight into the Microscopic Structure of an AdS Black Hole
from a Thermodynamical Phase Transition**
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In the original Letter, there were two errors. The line element of the Ruppeiner geometry has a minus sign

$$ds^2 = -\frac{\partial^2 S}{\partial x^\mu \partial x^\nu} \Delta x^\mu \Delta x^\nu \quad (1)$$

and the thermodynamic scalar curvature should be

$$R = -\frac{(n/n_c)^6 - 3(n/n_c)^4}{3\pi[(n/n_c)^4 - 6(n/n_c)^2 - 3P/P_c]}. \quad (2)$$

Then, Fig. 4 in the original Letter will be changed to Fig. 1.

After this correction, for the small black hole with $(n/n_c) \in (\sqrt{3}, \sqrt{3 + \sqrt{3}\sqrt{3 + P/P_c}})$, R is positive and so the interaction between two molecules will be repulsive. Other results remain unchanged.

FIG. 1. The Ruppeiner scalar curvature R as a function of the pressure P and number density n . The boundary marked as the thick red line is related to the coexistence curve.

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