**Erratum: Half-Magnetic Topological Insulator with Magnetization-Induced
Dirac Gap at a Selected Surface
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Ruie Lu, Hongyi Sun, Shiv Kumar, Yuan Wang, Mingqiang Gu, Meng Zeng, Yu-Jie Hao, Jiayu Li, Jifeng Shao, Xiao-Ming Ma, Zhanyang Hao, Ke Zhang, Wumiti Mansuer, Jiawei Mei, Yue Zhao, Cai Liu, Ke Deng, Wen Huang, Bing Shen, Kenya Shimada, Eike F. Schwier, Chang Liu, Qihang Liu, and Chaoyu Chen

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We recognize that the chiral surface edge state of a magnetic topological insulator with a gapless lateral surface state was first predicted by Chu *et al.* via tight-binding lattice models [1]. They also proposed an experimental scheme to measure the surface half-quantized Hall conductance. The DFT-calculated spectral functions in Fig. 4(d) are in good agreement with their work, providing substantial evidence to support the existence of the chiral surface edge states (i.e., the chiral hinge states in [1]) and axion insulator phase in this paper.

- [1] R.-L. Chu, J. Shi, and S.-Q. Shen, *Surface Edge State and Half-Quantized Hall Conductance in Topological Insulators*, Phys. Rev. B **84**, 085312 (2011).

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