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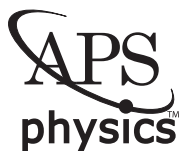
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S. Wang, H. Hua, J. Meng, Z. H. Li, S. Q. Zhang, F. R. Xu, H. L. Liu, Y. L. Ye, D. X. Jiang, T. Zheng, Q. J. Wang, Z. Q. Chen, C. E. Wu, G. L. Zhang, D. Y. Pang, J. Wang, J. L. Lou, B. Guo, G. Jin, S. G. Zhou, L. H. Zhu, X. G. Wu, G. S. Li, S. X. Wen, C. Y. He, X. Z. Cui, and Y. Liu	