

Abstract Submitted  
for the MAR11 Meeting of  
The American Physical Society

**STM study of graphene on boron nitride** JIAMIN XUE, Department of Physics, University of Arizona, Tucson, Arizona 85721, USA, DANNY BULMASH, JAVIER SANCHEZ-YAMAGISHI, Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA, K. WATANABE, T. TANIGUCHI, Advanced Materials Laboratory, National Institute for Materials Science, 1-1 Namiki, Tsukuba, 305-0044, Japan, PABLO JARILLO-HERRERO, Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA, B.J. LEROY, Department of Physics, University of Arizona, Tucson, Arizona 85721, USA — We have performed low-temperature STM topographic and spectroscopic measurements of graphene on h-BN. We found that the topographic variations are reduced as compared to graphene on SiO<sub>2</sub>. We also performed scanning tunneling spectroscopy measurements to study the spatial variation of the Dirac point. We will present our latest results on the topographic and spectroscopic features for graphene on h-BN and compare them with similar measurements for graphene on SiO<sub>2</sub>.

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Date submitted: 23 Nov 2010

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