

Abstract Submitted
for the MAR13 Meeting of
The American Physical Society

Dual-gated suspended double-layer graphene devices FENGLIN WANG, JIAO-WUN HUANG, YONGJIN LEE, LEI JING, KEVIN MYHRO, Department of Physics and Astronomy, University of California, Riverside, JAIRO VELASCO JR., University of California, Berkeley, HANG ZHANG, CHUNNING LAU, Department of Physics and Astronomy, University of California, Riverside — Using a transfer technique, we are able to align two graphene sheets together and fabricate a dual-gated suspended double-layer system via a delicate multi-step fabrication process. This experimental system includes variety of parameters, which provides potential for the discovery of new physics, such as the coupling and decoupling between two graphene sheets. We will present and discuss latest experimental results.

Fenglin Wang
Department of Physics and Astronomy, University of California, Riverside

Date submitted: 09 Nov 2012

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