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Electrical Transport in Graphene-Carbon nanotube Junctions JHAO-WUN HUANG, CHENG PAN, HANG ZHANG, YONGJIN LEE, FENGLIN WANG, LEI JING, MARC BOCKRATH, CHUN NING LAU, Department of Physics and Astronomy, University of California, Riverside — We fabricate suspended graphene-carbon nanotube hybrid junctions by transferring monolayer graphene sheets onto single-walled carbon nanotubes that are synthesized by chemical vapor deposition, and etching in hydrofluoric acid. The devices are measured as a function of magnetic field, gate voltage and electric field. We will present our latest transport data that will be compared with theoretical models.

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