Abstract Submitted
for the MAR12 Meeting of
The American Physical Society

Pump-probe study of electron dynamics in bilayer graphene LONG JU, TSUNG-TA TANG, FENG WANG, UC Berkeley, FENG WANG'S GROUP TEAM — Bilayer graphene exhibit many unusual physical properties, including a gate tunable electronic bandgap, and there is great interest in using it for novel electronic and optical devices. Understanding ultrafast dynamics in bilayer graphene is a prerequisite for many of its potential applications. We use ultrafsat pump-probe spectroscopy to investigate such ultrafast electron relaxation behavior in bilayer graphene. In this talk, I will discuss the observed dynamic relaxations taking place in femto- and pico-second time scales..

Long Ju
UC Berkeley

Date submitted: 11 Nov 2011 Electronic form version 1.4