

Abstract Submitted
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Interlayer capacitance in graphene bilayers ANDREA YOUNG, MIT, WANG LEI, CORY DEAN, JIM HONE, Columbia University, RAYMOND ASHOORI, MIT — Capacitance measurements of dual-gated bilayer electron systems provide a way to experimentally access both the total density of states as well as the interlayer polarizability. I will discuss capacitance measurements of clean, hexagonal boron nitride encapsulated graphene bilayers, in which we use this technique to probe layer polarization in response to an applied electric field at both zero magnetic field and in the quantum Hall regime.

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