

## EXPLORING EPITAXIAL GRAPHENE ON RU(0001) IN MAGNETIC FIELD

Castellanos-Gómez<sup>1</sup>, J. G. Rodrigo<sup>1</sup>, G. Rubio-Bollinger<sup>1</sup> and N. Agraït<sup>1,2</sup>

<sup>1</sup>*Laboratorio de Bajas Temperaturas, Departamento de Física de la Materia Condensada CIII, Universidad Autónoma de Madrid, 28049 Madrid*

<sup>2</sup>*Instituto Madrileño de Estudios Avanzados en Nanociencia (IMDEA-Nanociencia), Campus de Cantoblanco, 28049 Madrid, Spain*

Electronic properties of epitaxial graphene on Ru(0001) in magnetic fields of up to 8 T and at a temperature of 300 mK are explored by means of scanning tunneling spectroscopy (STS). We find no features related to magnetic field. The conductance curves show a shallow minimum at approx. -5 mV. Clear features at 360 mV, consistent with inelastic effects.