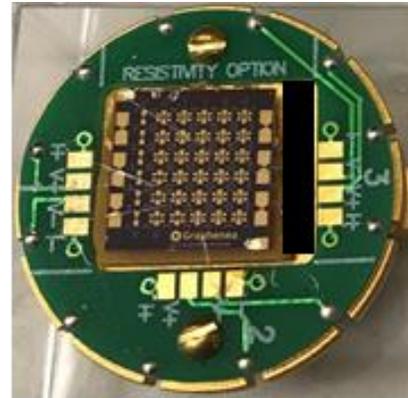
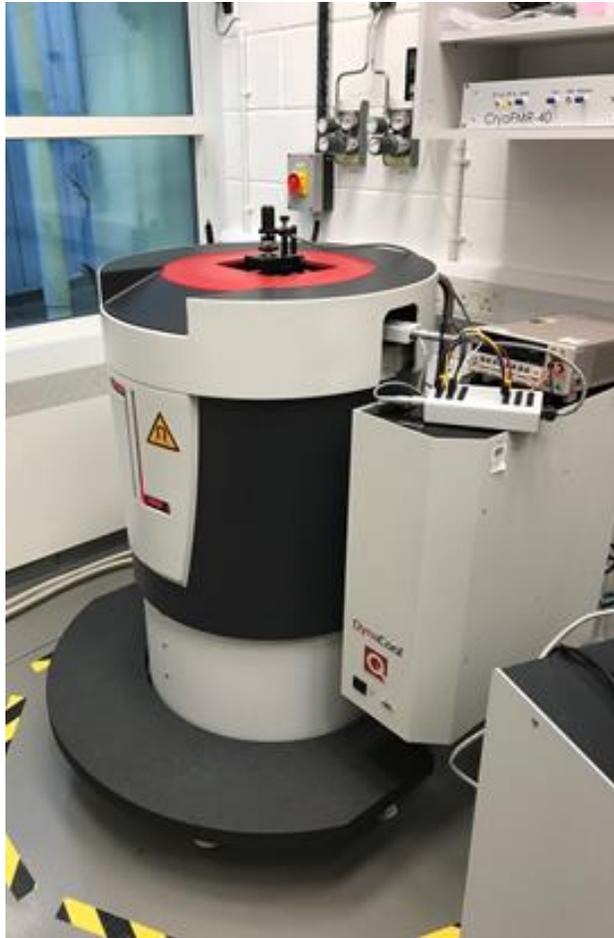


Physical Properties Measurement System (PPMS)

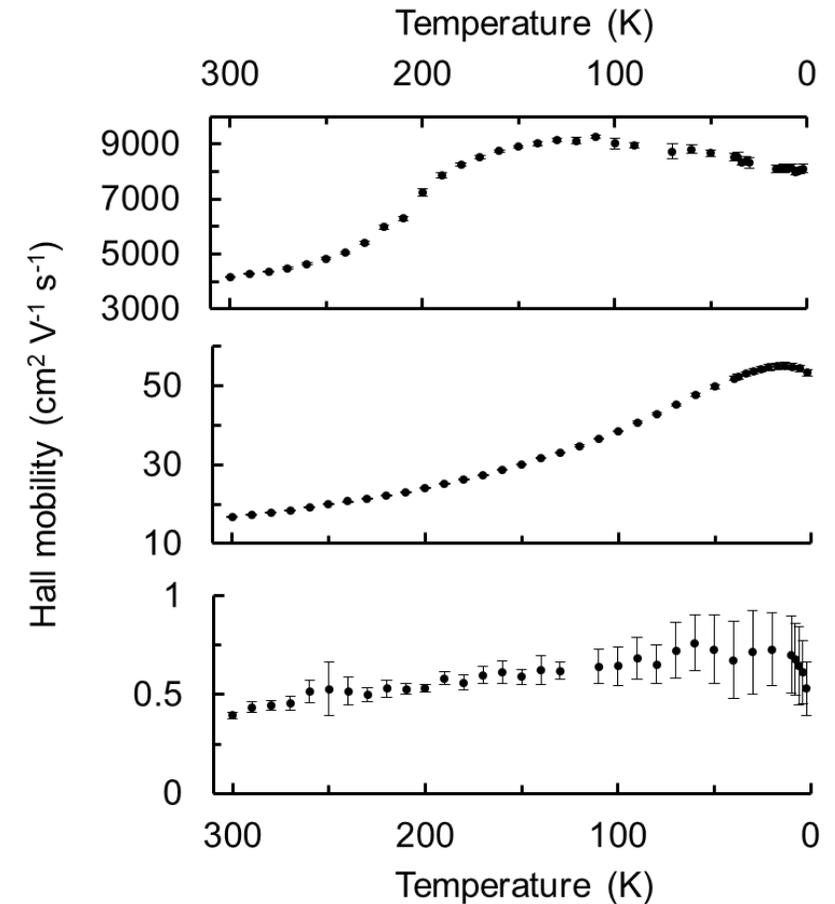
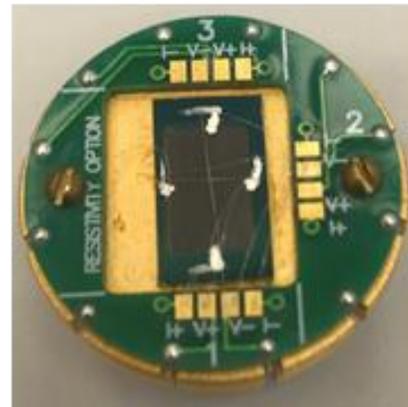
Outline

- PPMS is able to perform the electrical transport measurements in the following conditions:
 - Temperature ranging from 2 K to 400 K
 - Magnetic field range of ± 9 T
 - Low pressure He environment (10 mbar at 300 K)
 - DC and AC electrical excitation (up to 200 Hz)
 - Simultaneous measurements of up to 3 devices
- Custom electrical measurements are available by integrating external measurement equipment with PPMS, e.g., transistor measurements, 2-wire device measurements. For further PPMS (magnetic) capabilities, [click here](#).

ETMiVE



1 cm



PPMS (left) and its sample holder with a graphene FETs chip (top – right) and a thin film on SiO₂/Si substrate (bottom – right)

Representative PPMS results: Temperature-dependent mobility for 3 different materials: a graphene Hall bar device (top), a composite film (middle), conductive ink printed on a glass substrate (bottom).

Further Details

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