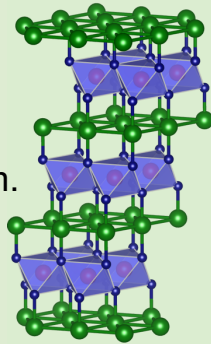


Transport in delafossite microstructures

Philippa McGuinness, Elina Zhakina, Veronika Sunko, Marcin Konczykowski and Andrew Mackenzie

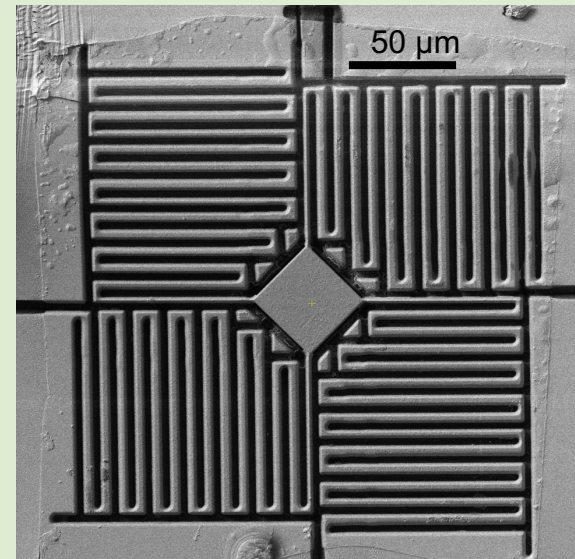
Delafossite metals

- E.g. PtCoO_2 , PdCoO_2
- Low-temperature *ab*-plane mean free paths up to $20\ \mu\text{m}$.



Focused ion beam microstructuring

- Sub-micron resolution
- Bespoke, rapid microstructuring



Electron irradiation of microstructures

- 2.5 MeV irradiation creates point defects.
- PtCoO_2 *ab*-plane resistivity rapidly increases with irradiation.

