## 24th Australian Institute of Physics Congress



Contribution ID: 758 Type: Talk (preferred)

## Intrinsic, robust, and isolated flat bands present at half-filling in the minimal model of the superconducting metal-organic framework, Cu-BHT

Tuesday 13 December 2022 12:15 (15 minutes)

An analytical model of the metal-organic superconductor, Cu-BHT, shows that its simplified lattice structure possesses three robust, degenerate flat bands at half-filling, which are narrower and more isolated than those of twisted-bilayer graphene.

Primary author: OHLRICH, Miriam (University of Queensland)

Presenter: OHLRICH, Miriam (University of Queensland)

Session Classification: AIP: Condensed Matter, Materials and Surface Physics

Track Classification: AIP Congress: AIP: Condensed Matter, Materials and Surface Physics