1167-37-285 **Simon Lukas Becker** (slb214@damtp.cam.ac.uk) and **Xiaowen Zhu*** (xiaowz5@uci.edu).

Twisted Bilayer Graphene and magic angles in magnetic fields.

The twisted bilayer graphene is known by its superconductivity at certain "magic angles". The superconductivity is believed to be related to the flattening of spectral bands. Depending on the form of tunneling between two layers, there are two different models - chiral model and anti-chiral model. In this talk, we'll introduce different aspects of the effect of the magnetic field incorporate with this two models including localization of bands in the chiral model, density of states, quantum hall effects and so on. (Received March 09, 2021)