

Abstract Submitted
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Superconducting hyper-honeycomb lattice ADRIEN BOUHON, AN-NICA BLACK-SCHAFFER, Uppsala Univ — Motivated by the recent discovery of the hyper-honeycomb β -Li₂IrO₃ studied in the context of Kitaev spin liquids, we investigate the possibility to realize superconductivity in the hyper-honeycomb lattice. Based on a t-J model we discuss the effect of the band structure and spin-orbit coupling on the most stable superconducting state.

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