

Spin-liquid Based Approaches to Superconductivity

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January 14, 2022

There have been several papers on a superconductivity mechanism related to spin liquids [\[1,2\]](#).

References

- [1] S. Imajo, S. Sugiura, H. Akutsu, Y. Kohama, T. Isono, T. Terashima, K. Kindo, S. Uji, and Y. Nakazawa. Extraordinary π -electron superconductivity emerging from a quantum spin liquid. *Physical Review Research*, 3(3), Jul 2021.
- [2] Sung-Sik Lee, Patrick A. Lee, and T. Senthil. Amperean pairing instability in the u(1) spin liquid state with fermi surface and application to κ -(bedt-ttf)₂cu₂(cn)₃. *Physical Review Letters*, 98(6), Feb 2007.