

Abstract Submitted
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Construction and classification of fermionic symmetry protected topological phases in 3D ZHENGCHENG GU, QINGRUI WANG, Chinese University of Hong Kong — Symmetry protected topological phases(SPT) become a fascinating subjects in recent condensed matter research. In this talk, I will discuss how to construct and classify SPT phases in interacting fermion systems. In particular, I will make use of a general group supercohomology theory to construct and classify fermionic SPT phases in 3D.

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