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Eigenstate Order in Floquet Systems CURT VON KEYSERLINGK, SHIVAJI SONDHI, Princeton Univ — Recent work has introduced the notion of eigenstate order for many body systems and extended it to periodically driven, or Floquet, systems. I will discuss a set of results on possible phases in Floquet systems. These involve generalisations of topological insulators and superconductors as well as generalisations of interacting symmetry protected and topological phases of matter. Many body localisation plays an essential role in their realisation.

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