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**Ergodicity-breaking eigenstates in quantum spin glasses** CHRISTOPHER BALDWIN, University of Washington, CHRISTOPHER LAUMANN, Boston University, ARIJEET PAL, Oxford University, ANTONELLO SCARDICCHIO, ICTP — The two high-temperature eigenstate phases that have been most well-studied are the eigenstate-thermalized (ETH) and many-body localized (MBL) phases. In this talk, I discuss how eigenstates of the quantum p-spin models, which are the canonical models of mean-field spin-glass theory, do not fit into either category. In particular, I describe how the structure and organization of these eigenstates resembles the thermodynamics of classical spin glasses.

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