## DMRG and Many Body Localized Systems Shivaji Sondhi

Princeton University

Many body localized systems are characterized by eigenstates with low entanglement. I will report on a set of studies that take advantage of this to construct eigenstates of MBL Hamiltonians and Floquet drives via generalizations of the celebrated density matrix renormalization group method. I will give evidence that is is possible to go beyond the sizes accessible by exact diagonalization despite the extremely small gaps that characterize the bulk of the spectrum.