Entanglement Spectrum In Condensed Matter

B. ANDREI BERNEVIG, Princeton University — I will review the information that entanglement spectra give for a wide range of systems in condensed matter physics, such as fractional quantum hall effect, quantum spin chains, topological insulators, and disordered systems. (the results are based on a series of works performed in collaboration with N. Regnault, R. Thomale, A. Chandran, A Sterdyniak, M. Hermanns, Z. Papic, T.L. Hughes, E. Prodan, D.P. Arovas)

$^1$NSF