

**[P4] Entropic response of the periodically driven kinetic Ising model***Seung Ki Baek, KIAS*

We derive an entropy production formula for general discrete-time Markovian dynamics from an integral fluctuation relation. The entropy production formula is then applied to the globally coupled kinetic Ising model driven periodically by a weak external magnetic field. The net entropy production is expected to be maximized at the critical temperature.