

Elab/KMI-theory Joint Seminar

title :

Deconstructing S-duality

speaker :

*Prof. Andreas Karch (University of Washington,
Seattle)*

date/time :

July 3 (Tue) 5:00 PM

abstract :

After a brief review of recent developments in our understanding of dualities in 2+1 dimensions, I'll describe our progress towards using these novel dualities to gain new insights into 3 + 1 dimensional physics. In particular, I'll show that the strong-weak coupling duality of maximally supersymmetric gauge theories in 3+1 dimensions can be derived from a well known 2 + 1 dimensional duality.

place :

ES635