

Deconfining class S theories

Tuesday, 20 October 2020 14:30 (1 hour)

Class S theories are a broad and interesting class of $N=2$ superconformal field theories arising from wrapping the six dimensional $(2,0)$ theory on Riemann surfaces. Most of these theories have no known Lagrangian description. I will present a method (based on brane engineering) that allows to systematically construct $N=1$ Lagrangians flowing to some of these $N=2$ theories. As an illustration of the method, I will construct a Lagrangian description for the simplest non- trivial class-S theory, the T3 theory with global symmetry E_6 , and for some related examples.

Presenter: GARCÍA ETXEBARRIA, Iñaki (Durham University)

Session Classification: Torino Strings and SUGRA