

March 2, 2022  
ZOOM

Speaker: Emily Nardoni  
Title: N=2 Argyres-Douglas Theories and Holography

Abstract: The strongly coupled Argyres-Douglas field theories have particular significance among four-dimensional N=2 superconformal field theories. In this talk we review aspects of the geometric and field theoretic constructions of these strongly coupled QFTs, and describe new AdS<sub>5</sub> solutions in 11d supergravity that are proposed to correspond to the gravity duals of a large class of Argyres-Douglas theories. We explain how the holographic data -- including the central charges and operator dimensions -- match the data of the dual field theories.