

## Twisted $N=1$ SCFTs and their AdS3 duals

*Wednesday 15 January 2020 17:15 (15 minutes)*

We study compactifications of an infinite family of four-dimensional  $N=1$  SCFTs on a Riemann surface in the presence of arbitrary background fluxes of global symmetries. The four-dimensional parent theories have holographic Sasaki–Einstein duals in type IIB string theory. Central charges and R-charges of baryonic operators in the resulting two-dimensional  $N=(0,2)$  theories are computed in three distinct ways: from the field theory side utilizing the c-extremization principle, its recently discovered geometric dual formulation, and holographically using new AdS3 duals of two-dimensional field theories.

**Presenter:** HET LAM, Huibert

**Session Classification:** short talk