Contribution ID: 38

Type: Poster

NUTs, bolts, and spindles

We construct 1/4-BPS, asymptotically locally hyperbolic Euclidean solutions of d = 4, $\mathcal{N} = 2$ gauged supergravity, describing the total space of orbifold line bundles over a spindle. These $U(1) \times U(1)$ -invariant solutions are divided into two classes, corresponding to either the twist or the anti-twist on the spindle-bolt, and generalize the spherical bolts found in arXiv:1212.4618. Consequently, the boundary metrics are squashed, branched lens spaces, and our results provide predictions for the large N limit of the corresponding localized partition functions of the dual superconformal theories.

Primary author: FONTANAROSSA, Alessio (Istituto Nazionale di Fisica Nucleare) **Session Classification:** Poster Session - Reception