

Supergravity solutions for branes wrapped on orbifolds
Alessio Fontanarossa (Torino)

Abstract

We construct $\text{AdS}_2 \times \Sigma_4$ solutions of six-dimensional gauged supergravity, where Σ_4 are four-dimensional orbifolds. Upon uplifting to massive Type IIA supergravity, these solutions correspond to a system of D-branes wrapped on these orbifolds and hint to the existence of exotic black holes with Σ_4 horizons.