

Abstract

We show that the inclusion of the fourth-order Lovelock gravity (as a subclass of the leading order perturbative alpha-prime corrections) induces a stretched horizon cloaking the singularity associated to the supergravity approximation of a BPS wrapped string in in II string theories. This phenomenon is reminiscent to the resolution of the singularity associated to a BPS wrapped fundamental string in 4D within the Heterotic string theories after the inclusion of the Gauss-Bonnet action.