

Black Hole Spectroscopy and AdS(2) Holography

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We compute the spectrum of extremal nonBPS black holes in four dimensions by studying supergravity on their $\text{AdS}(2) \times S(2)$ near horizon geometry. We find that the spectrum exhibits significant simplifications even though supersymmetry is completely broken. We use the results to compute quantum corrections to extremal black hole entropy on the nonBPS branch.