

Abstract Submitted
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NS5 Branes on the Resolved Cone over $Y^{p,q}$ CATHERINE WHITING, VINCENT RODGERS, University of Iowa, ELENA CACERES, Universidad de Colima and University of Texas at Austin, LEOPOLDO PANDO ZAYAS, University of Michigan — The AdS/CFT correspondence provides a powerful tool to attack strong coupling dynamics using gravitational duals. The Klebanov-Stassler prototype has a large family of duals that contain $\mathcal{N}=1$ SYM. A new and distinct family of supergravity solutions containing a sector dual to $\mathcal{N}=1$ confining gauge theories might be related to the resolved cone over $Y^{p,q}$. We present a generalized solution for NS5 branes wrapped on 2-cycles on the resolved cone over $Y^{p,q}$.

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