



GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

M5-branes wrapped on Riemann surfaces

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Friday, October 23rd, 2009, 4:00 p.m.
Room 6635 South Hall

I will firstly review Gaiotto's construction of $N=2$ SCFTs via M5-branes wrapped on Riemann surfaces, including an alternative type IIB construction suitable to study their flavor symmetries. Then I will focus on $N=1$ constructions, and the computation of central charges from supergravity. The method also gives some information on the recently discovered 2d-4d correspondence with Toda theories.