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## Low energy effective action of multiple D2-branes with Romans mass

Tuesday 21 February 2012 20:20 (30 minutes)

We obtain a new-type of calN = 3 Yang-Mills Chern-Simons theory from the Mukhi-Papageorgakis Higgsing of the calN = 3 Gaiotto-Tomasiello theory. This theory has calN = 1 BPS fuzzy funnel solution which is expressed in terms of the seven generators of SU(3), excluding  $T_8$ . We propose that this is an effective theory of multiple D2-branes with D6- and D8-branes in the presence of the Romans mass.

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