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Department of Theoretical Physics

Quantum Space-Time Seminar Series

Some non supersymmetric dualities in 2+1 dimensions

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Date: April 25th, 2017
Time: 11.30 am
Venue: A-304, TIFR

We will present some conjectures for potentially new nonsupersymmetric dualities in 2+1 dimensions. ABJM is believed to be dual to the IR limit of N=8 super Yang Mills. We ask the question: are non supersymmetric Bifundamental Chern Simons theories related to the IR limit of Yang Mills theories with adjoint matter? Some evidence for such dualities may be obtainable from perturbative calculations in a large flavor limit. Other dualities may also be discussed.

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