Bologna Workshop on:

CFT AND INTEGRABLE MODELS

and their applications to Quantum Field Theory, Statistical Mechanics and Condensed Matter Physics

Contribution ID: **11**   Type: **Plenary Talk**

The Quantum Spectral Curve of the ABJM theory

Tuesday, 16 September 2014 11:00 (1 hour)

The discovery of integrability in the planar limit of AdS/CFT has
triggered a renewed interest toward the study of finite-size corrections of exactly solvable systems. In this talk, I will present a very recent idea which has made possible the reduction of the complicated Thermodynamic Bethe Ansatz equations for the anomalous dimensions of composite operators in AdS_5/CFT_4 and in AdS_4/CFT_3 to much simpler nonlinear matrix Riemann-Hilbert problems.

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