



Contribution ID: 53

Type: Oral Presentation

Integrability in Large N super Yang-Mills Theory

Tuesday, 8 July 2014 11:10 (20 minutes)

Abstract content
 (Max 300 words)
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In this talk we argue that certain large N but non-planar limits of maximally supersymmetric Yang-Mills Theory enjoy integrability. By employing constraints that follow from the superconformal algebra, we are able to argue that integrability persists to all loops, that is, to all orders in the Yang-Mills coupling constant. The consequences of this result for the dual gravitational theory are described.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD)?

None

Main supervisor (name and email) and his / her institution

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Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

No

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Session Classification: Theoretical

Track Classification: Track G - Theoretical and Computational Physics