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## Non Planar Integrability in ABJM

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**Abstract content** **&nbsp;**; (Max 300 words) **<br>** **<a href="http://events.saip.org.za/getFile.py/?target="\_blank">Formatting &** **<br>** **Special chars** **</a>**

The ABJM model is an  $N=6$  Chern-Simons theory of bifundamental fields with a  $U(N) \times U(N)$  gauge group. It is AdS/CFT dual to type IIA string theory on an  $AdS_4 \times CP^3$  background. In this work we study the anomalous dimensions of gauge invariant ABJM operators in a large  $N$  non-planar limit in order to explore integrability in certain sectors of the theory.

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

No

**Level for award (Hons, MSc, PhD)?**

N/A

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

No

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