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### Non Planar Integrability in ABJM

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

The ABJM model is an <i>N</i>=6 Chern-Simons theory of bifundamental fields with a U(N)xU(N) gauge group. It is AdS/CFT dual to type IIA string theory on an AdS<sub>4</sub>x<b>CP</b><sup>3</sup> back-ground. 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<br> considered for a student <br> &nbsp; award (Yes / No)?

No

#### Level for award<br>%nbsp;(Hons, MSc, <br> &nbsp; PhD)?

N/A

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

No

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