

SAIP2012



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Contribution ID : 97

Two Loop Dilatation Operator in $N=4$ SYM

Thursday 12 Jul 2012 at 14:50 (00h20')

Abstract :

In previous literature it has been shown that the dilatation operator of $N=4$ super Yang-Mills theory is integrable at one loop in the large N non-planar limit. We attempt to calculate the action of the two loop dilatation operator of this theory in order to investigate whether it is also integrable.

Award :

yes

Level :

PhD

Supervisor :

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Paper :

no

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Session classification : Theoretical

Track classification : Track G - Theoretical and Computational Physics

Type : Oral Presentation