

# Conference on Integrability in Gauge and String Theory 2010

Contribution ID : 274

## Weak coupling tests of the mirror TBA

Friday 02 Jul 2010 at 10:30 (01h00')

The mirror Thermodynamic Bethe Ansatz (TBA) approach offers a tool to investigate the spectrum of AdS/CFT in the planar limit. The TBA equations governing the spectrum are based on several conjectures this is why it is important to test them carefully. In this talk we will focus on the analytical tests of the AdS/CFT TBA system in the weak coupling limit and show that the 5-loop anomalous dimensions of the twist-2 operators of the  $sl(2)$  sector derived from the TBA equations agree with the results obtained previously from the generalized Luscher formulae.

Primary authors : HEGEDUS, Arpad (KFKI, Budapest)

Co-authors :

Presenter : HEGEDUS, Arpad (KFKI, Budapest)

Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--