9th Bologna Workshop on CFT and Integrable Models

INFN
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Bologna Workshop on:

CFT AND INTEGRABLE MODELS



and their applications to Quantum Field Theory, Statistical Mechanics and Condensed Matter Physics

Contribution ID: 42 Type: Poster

On the scattering over the GKP Vacuum

Monday, 15 September 2014 13:30 (20 minutes)

Within the framework of the AdS_5 /CFT_4 correspondence, the GKP string living on a AdS_5 \otimes S^5 background finds a counterpart in the antiferromagnetic vacuum state for the spin chain, fruitfully employed to investigate the dual N = 4 SYM superconformal gauge theory. Integrability underlying such a model allows us to analyse the excitations over the vacuum considered, by computing their scattering matrices and dispersion relations.

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Session Classification: Discussion - Posters