Contribution ID: **230**   Type: **Oral Presentation**

Exact Magnon Dynamics

Thursday, 7 July 2016 11:10 (20 minutes)

Abstract content
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In this talk we will review some recent progress on the computation of anomalous dimensions of heavy operators in N=4 super Yang-Mills theory. The approach adopted makes a novel use of the symmetries of the problem. Exactly the same symmetry structures appear in both the field theory and the dual string theory, so that this construction has a natural interpretation in terms of the AdS/CFT correspondence.

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Session Classification: Theoretical and Computational Physics (1)