

9th Bologna Workshop on CFT and Integrable Models



Bologna Workshop on:

CFT AND INTEGRABLE MODELS

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



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Type: **Poster**

Junctions of one-dimensional hard-core bosons

Monday, 15 September 2014 13:50 (20 minutes)

We map a system of one-dimensional guides containing bosons with strongly repulsive interaction onto the topological Kondo model. We study the thermodynamic properties by computing the ground state energy and the temperature dependence of the free energy shift due to the junction.

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Session Classification: Discussion - Posters