



Contribution ID: 385

Type: **Presentation**

Nonequilibrium thermal entanglement for three spin system

The dynamics of a simple spin chain (three spins) coupled to bosonic baths at different temperatures is studied. The dynamics and temperature dependence of spin-spin entanglement is analyzed. Special attention is given to the entanglement in the stationary state of the system.

Primary author: Dr SINAYSKIY, Ilya (University of KwaZulu-Natal and National Institute for Theoretical Physics)

Co-authors: Prof. PETRUCCIONE, Francesco (University of KwaZulu-Natal and National Institute for Theoretical Physics); Mr PUMULO, Nathan (University of KwaZulu-Natal and National Institute for Theoretical Physics)

Presenter: Dr SINAYSKIY, Ilya (University of KwaZulu-Natal and National Institute for Theoretical Physics)

Track Classification: Track G - Theoretical and Computational Physics