



Contribution ID: 7

Type: **Gong-show talk**

Energy transmission and reflection at 2d Janus interfaces

Tuesday, 20 December 2022 15:40 (10 minutes)

Scattering from conformal interfaces in two dimensions is universal, since the flux of transmitted and reflected energies does not depend on the details of the initial state.

Previous studies of the transmission coefficient either involved a minimal holographic model with a single thin brane inside three-dimensional AdS, or a double brane model involving the merging of two branes.

In this presentation, I will extend the method to include an infinite set of branes to reproduce the Janus geometry in the continuous limit.

This allows to compute the transmission coefficient of a 2d Janus interface as a function of the deformation parameter of the geometry.

Primary author: BAIGUERA, Stefano (Ben-Gurion University of the Negev)

Co-authors: Dr CHAPMAN, Shira (Ben-Gurion University of the Negev); Prof. POLICASTRO, Giuseppe (LPENS, Paris); Mr SCHWARTZMAN, Tal (Ben-Gurion University of the Negev)

Presenter: BAIGUERA, Stefano (Ben-Gurion University of the Negev)

Session Classification: Gong show