Title: Energy transport for thick holographic branes

Speakers: Stefano Baiguera

Series: Quantum Fields and Strings

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URL: https://pirsa.org/23050032

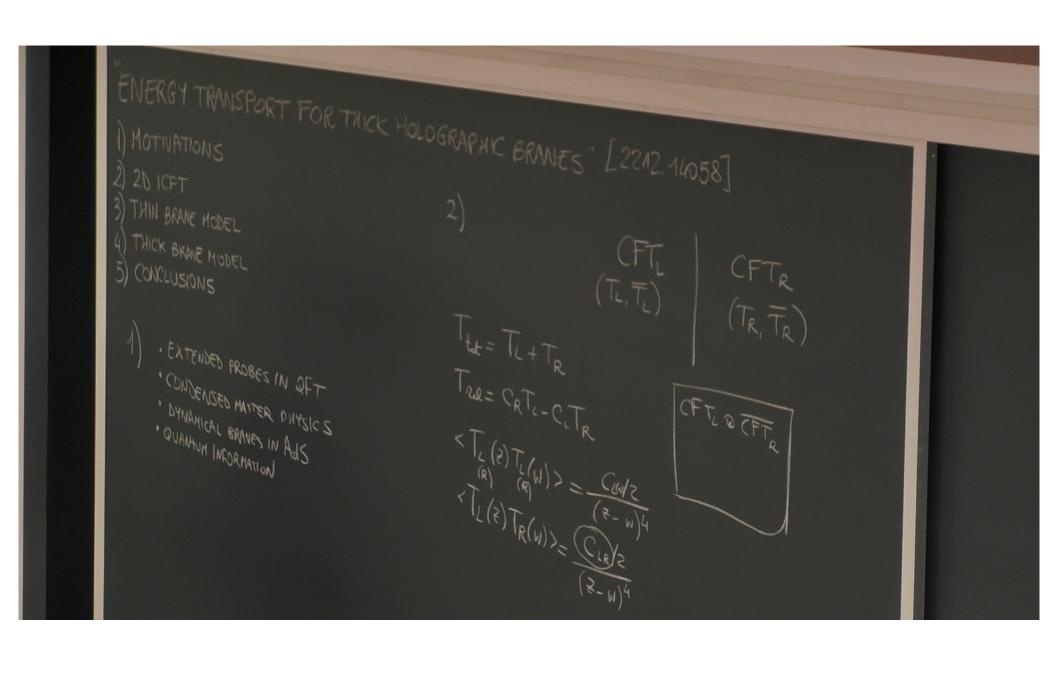
Abstract: Universal properties of two-dimensional conformal interfaces are encoded by the flux of energy transmitted and reflected during a scattering process.

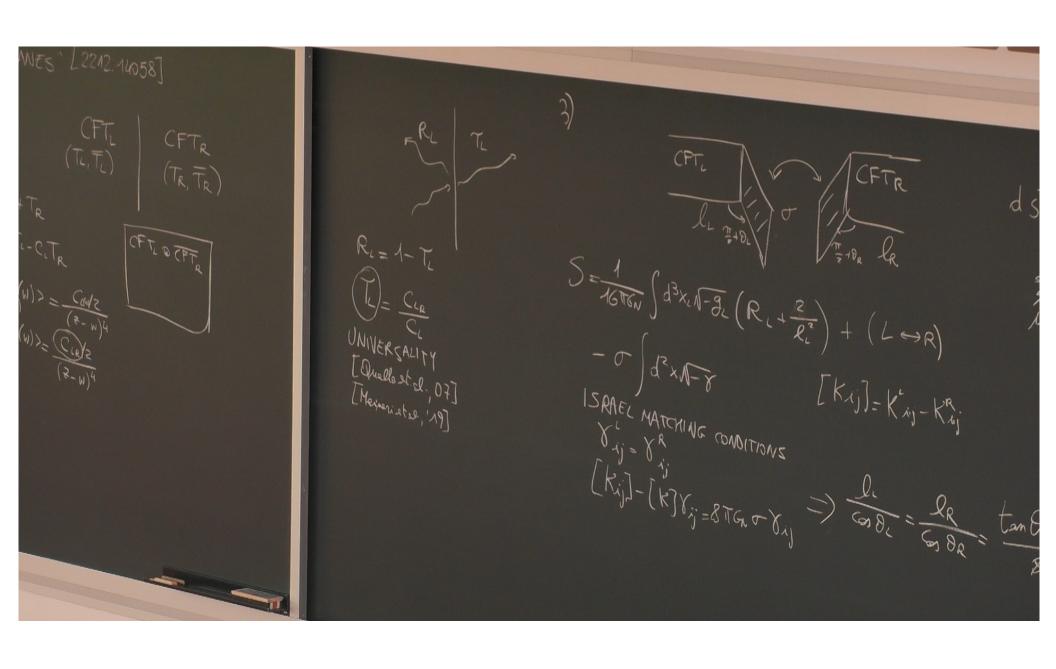
In this talk, I will develop a method that allows me to extend previous results based on thin-brane holographic models to smooth domain-wall solutions of 3-dimensional gravity.

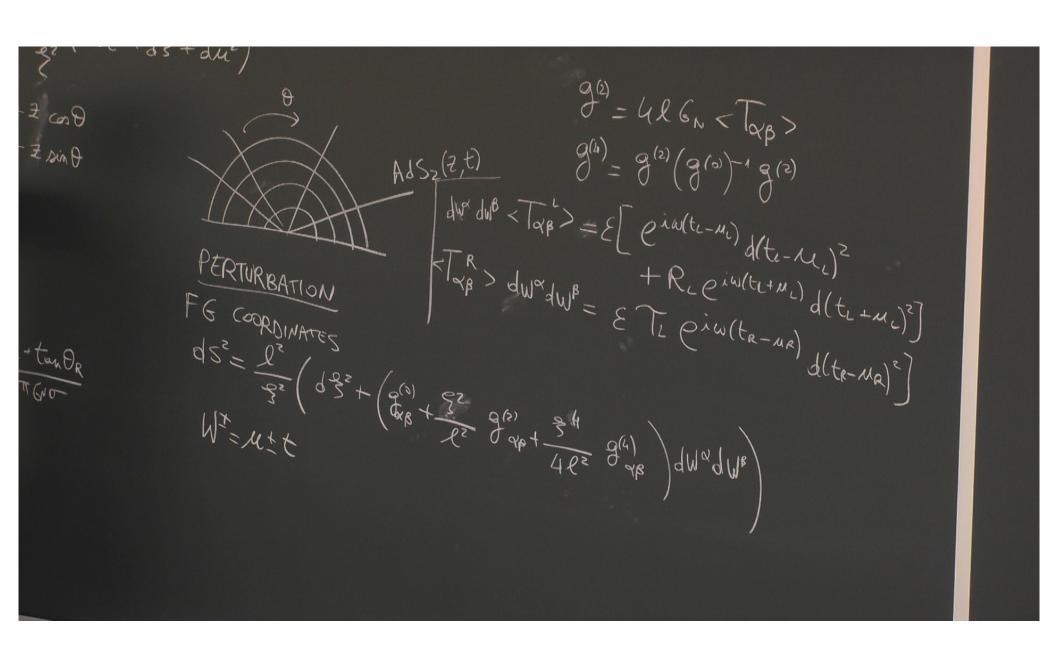
As an application, I will compute the transmission coefficient of a Janus interface in terms of its deformation parameter.

Zoom link: https://pitp.zoom.us/j/98684574364?pwd=WGdrQXhRcHRJZUZMYmNObUVZT1ZCZz09

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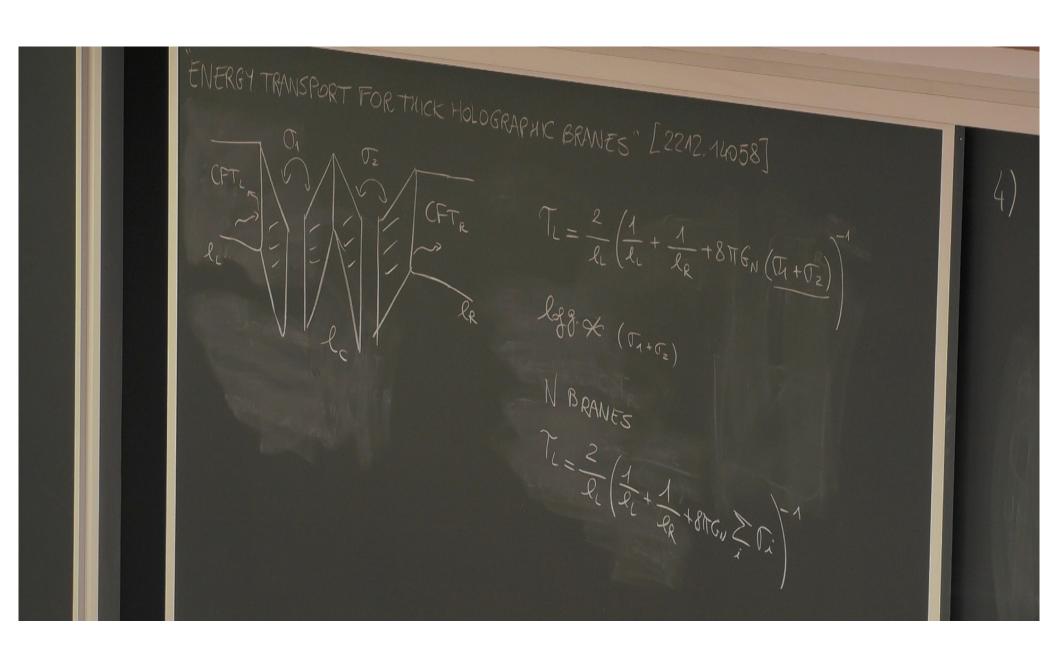
· IMPOSE ISRAL MATCHING

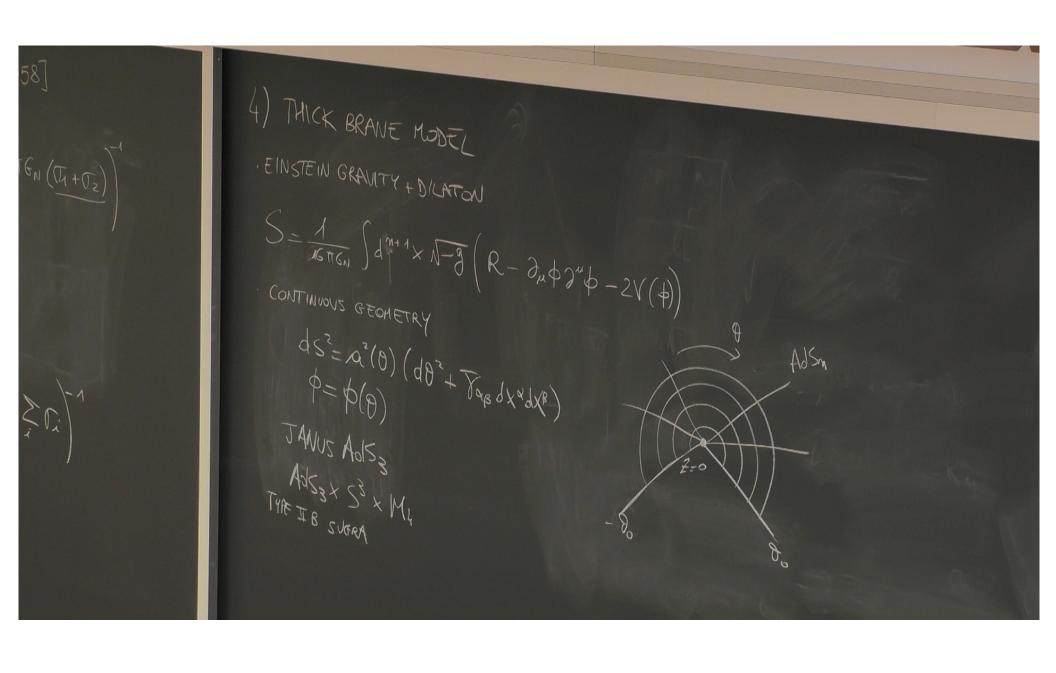
· IMPOSE NO-OUTGOING WAVE CONDITIONS (IN THE IR)

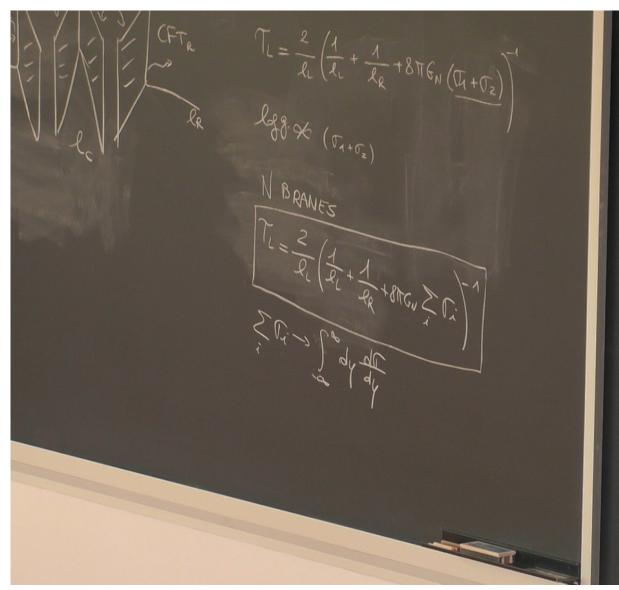
$$T_{L} = \frac{2}{\ell_{L}} \left( \frac{1}{\ell_{L}} + \frac{1}{\ell_{R}} + 8\pi G_{N} \overline{G} \right)^{1} \Rightarrow \frac{C_{R}}{C_{L} + C_{R}} = T_{L} = 1$$

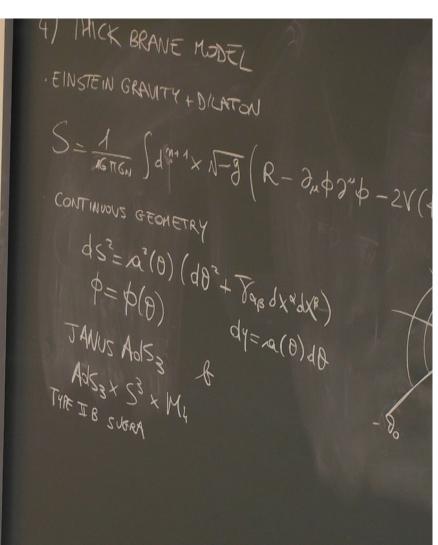
$$\left| \frac{1}{\ell_{L}} - \frac{1}{\ell_{R}} \right| = 0 \pi G_{N} G_{N$$











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