



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES



**A Neumann Boundary
for Gravity.**

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Date: March 19, 2018

Time: 11:30 am

Venue: A-304, TIFR

It was more than 40 years ago that a general Dirichlet boundary term was written down for general relativity by Brown and by Gibbons-Hawking. But a general Neumann boundary term seems to have never been constructed. We will argue that a natural way to do this is to covariantize the Neumann problem. When one does this, a Neumann boundary term emerges effortlessly. We will discuss a list of closely related ideas that arise naturally from Neumann, some in AdS and some in flat space.

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