



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

Ensemble averaging and AdS3/CFT2

(Zoom Seminar)

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Date: April 30, 2021

Time: 11.00 am IST

Zoom link shall be shared separately



It has recently emerged that the gravitational path integral, in low dimensions, is dual to an averaged description of an ensemble of boundary theories. In this talk, I shall discuss such an example for AdS3/CFT2. By studying flavored partition functions, we shall provide further support for a recent proposal that the ensemble average over the Narain moduli space of 2d free boson CFTs is dual to an exotic theory of 3d gravity, dubbed U(1)-gravity. Time permitting, I shall talk about how modular bootstrap techniques can be applied to obtain a more general class of 2d CFT ensembles.