



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

The time to the black hole singularity from thermal one point functions
(Zoom Seminar)

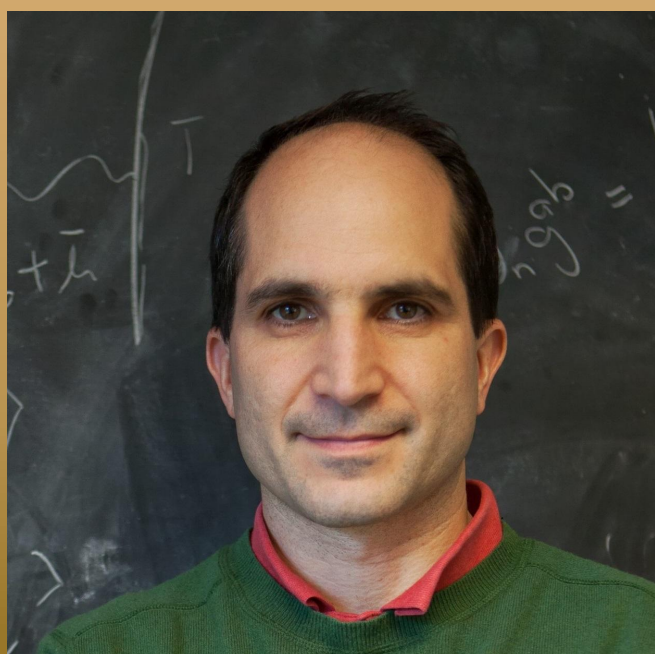
Juan Maldacena

(IAS Princeton)

Date: January 18, 2021

Time: 6:00 pm IST

Zoom link shall be shared separately



We argue that the proper time from the event horizon to the black hole singularity can be extracted from the thermal expectation values of certain operators outside the horizon. This works for fields which couple to higher-curvature terms, so that they can decay into two gravitons. To extract this proper time, it is necessary to vary the mass of the field.