



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

Analytic Functionals, Conformal Dispersion Relation and Polyakov Bootstrap (Zoom Seminar)

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Date: June 08, 2020

Time: 9:00 AM IST

Zoom link shall be shared
separately



I will describe a novel analytic approach to the conformal bootstrap in CFTs in general dimension. The approach is based on the construction of a certain basis of linear functionals acting on the conformal crossing equation. The technique is particularly useful in holographic CFTs, where it directly constrains the low-energy physics. I will explain how our approach is related to the conformal dispersion relation and Polyakov bootstrap. The talk will be based on arXiv:1910.12855 [hep-th].