



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

AdS3's with no BTZ's

(Zoom Seminar)

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Date: May 24, 2021

Time: 9.00 am IST

Zoom link shall be shared separately



The nature of AdS3 string theory with NS fluxes changes dramatically in the regime $R_{\text{AdS}} < l_{\text{str}}$, which is realized in non-critical string theory. In particular the asymptotic density of states consists of a Hagedorn entropy of fundamental strings rather than an ensemble of BTZ black holes. This observation leads to the idea that the dual CFT in this regime is related to a symmetric product describing the string Fock space. We analyze this spacetime CFT using worldsheet methods, and thereby determine many of its properties, revealing a structure highly reminiscent of other non-critical string holographic dualities.