



Department of  
Theoretical Physics

# THE QUANTUM SPACETIME SEMINAR SERIES

## Finding discrete series at the late-time boundary of $dS_4$

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**Date:** Mar 12, 2025

**Time:** 11.00 AM IST

**Venue:** AG 66



From the late-time behavior of massless scalar and spin 1 fields on rigid  $dS_4$ , we identify operators and discuss which ones give realizations of the discrete series representations from among the unitary irreducible representations of the de Sitter group. Our goal is to extend earlier work where we introduced principal and complementary series operators so as to gather more clues towards what de Sitter holography might host.

[\(Click here for the zoom link\)](#)