



Department of  
Theoretical Physics

# Tata-Infosys Lecture Series

## The Bootstrap Approach to Quantum Gravity

**Thomas Hartman**  
(Cornell University, USA)

**Date / Time : January 8<sup>th</sup>, 9<sup>th</sup>  
& 11<sup>th</sup>, 2019, 11.30 am**

**Venue: A-304, TIFR**



The bootstrap is a strategy to solve strongly interacting quantum field theories, based on general principles of symmetry and quantum mechanics. In these lectures, I will review progress on using bootstrap techniques to understand emergent spacetime in quantum gravity.