



Department of  
Theoretical Physics

# THE QUANTUM SPACETIME SEMINAR SERIES

**Particle-Vortex Duality of 2+1D Dirac  
fermions, from electric-magnetic duality  
of 3+1D topological insulators**



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(University of California, Berkeley)

**Date:** January 8, 2016

**Time:** 4.00 pm

**Venue:** A-304, TIFR

(Duration and Location are subject to irreducible jitter)