



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

Quantum Hall Matrix Models

David Tong
(DAMTP, University of
Cambridge)

Date: February 22, 2016
Time: 11.30 am
Venue: A-304, TIFR



(Duration and Location are subject to irreducible jitter)

I will describe a simple matrix model that describes certain Abelian and non-Abelian quantum Hall states. The matrix model arises from the dynamics of vortices in Chern-Simons theories. The dynamics of this matrix model capture aspects of the WZW model which lives on the boundary.