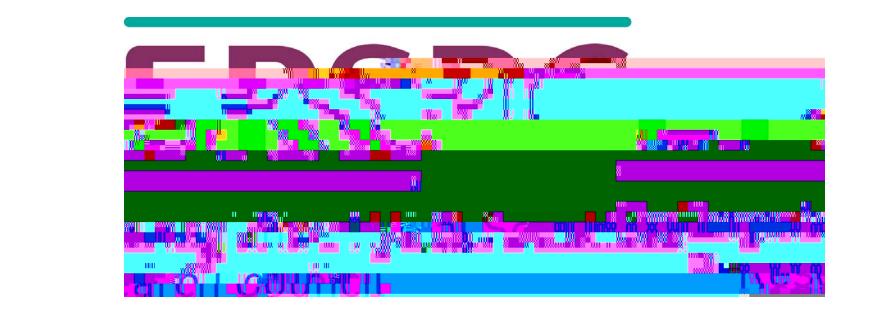


SPIN CHAINS AND RANDOM MATRIX THEORY

Huw Wells supervised by Jonathan Keating and Noah Linden



MOTIVATION

The aim is to model *n* distinguishable spin-half particles in a ring, each only interacting with their neighbours, figure 1.

A non-unitary invariant random matrix ensemble with the potential to model Hamiltonians

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