

## On Hamilton Cycles in Random Hypergraphs

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In this talk, we present some recent developments concerning the Hamiltonicity of random hypergraphs. In particular, we show that  $p = e/n$  is a sharp threshold for the existence of tight Hamilton cycles in random  $k$ -uniform hypergraphs of order  $n$  (each possible  $k$ -tuple appears independently with probability  $p$ ). We also determine the thresholds for the existence of other types of Hamilton cycles (including loose cycles).

This is joint work with Alan Frieze.