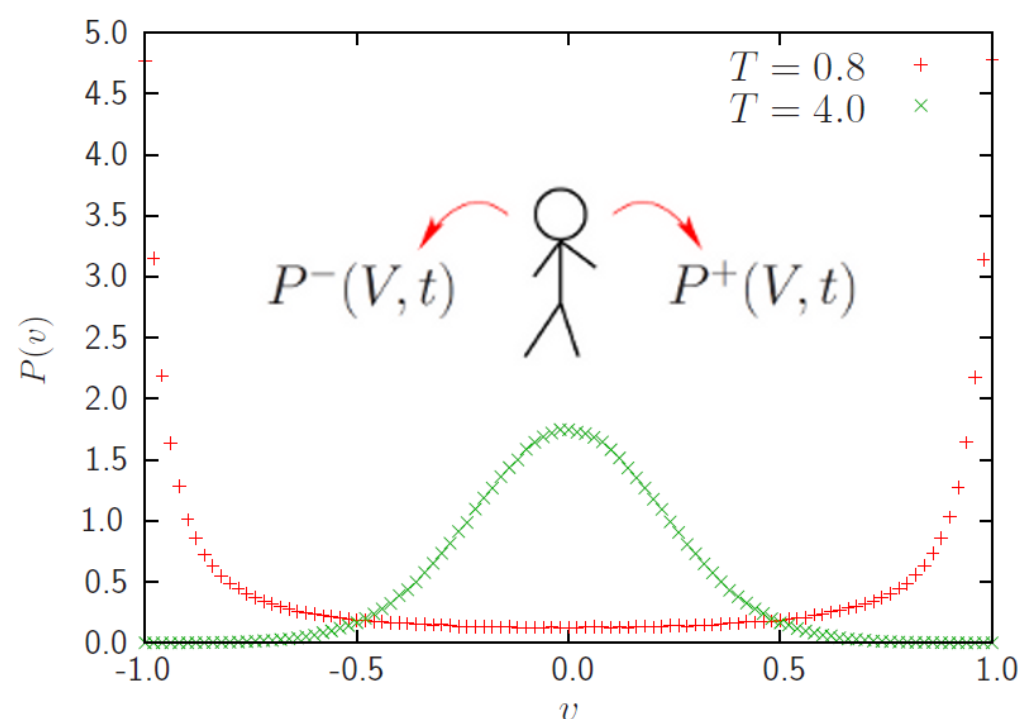


From random walks to colonoscopies: modelling how memory of the past affects future behaviour

Dr Rosemary Harris, Queen Mary University of London

6.30 pm, Tuesday 13th March 2017

Watson Building Lecture Theatre A, University of Birmingham, Edgbaston,
Birmingham, B15 2TT



As humans, how does memory of our past experiences affect our future choices? Are there psychological biases which might cause us to behave less rationally than we think? Can we make mathematical predictions about such situations? And what does this all this have to do with theoretical physics research into "non-Markovian statistical mechanics"? In this talk, I will attempt to address some of these questions starting from the statistical mechanics of random walkers and progressing (via discussion of colonoscopies!) to simple decision-making models of behavioural economics.

Parking details: Parking in North East multi-storey car park is free after 6.00 pm. Access is via Pritchatts Road, Sat Nav B15 2SA

Non-members welcome, no charge is made.
After the talk, you are welcome to join us and the speaker for a meal.
Further information www.ima.org.uk/activities/branches/west_midlands.cfm
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