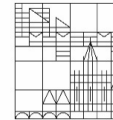


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August 3, 2023

Talk at 15:15

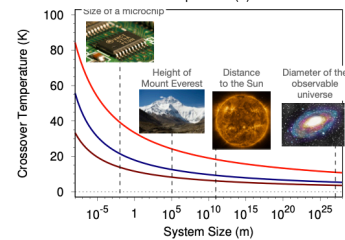
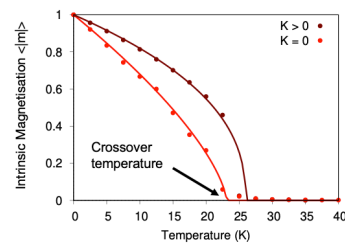
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refreshment afterwards



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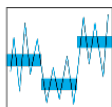
Magnetisation fluctuations in 2D magnets; from breaking of the Mermin-Wagner limit to ultrafast dynamics

Two-dimensional Van der Waals ferromagnets have gathered a lot of interest over the last years due to their low dimensionality and easy manipulation of their magnetic state. In this talk, I will present recent research on magnetisation fluctuations in 2D van der Waals magnets. From one side, we show how finite size effects stabilise short-range magnetic order, which can be seen as magnetisation fluctuations. From the other side, we look at the laser-induced ultrafast magnetisation dynamics of a specific 2D van der Waals magnet, Fe₃GeTe₂.

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