

OpenQMBP2023: New perspectives in the out-of-equilibrium dynamics of open many-body quantum systems



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Driven-Dissipative Systems: two messy experiments and one developing theory

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As an example of driven-dissipative systems, I discuss two recent experiments: (1) strongly interacting excitons in moire heterostructures, (2) orbital angular pumping of quantum Hall states of graphene with vortex light. In the end, I briefly discuss our recent progress in verifying measurement-induced phases by avoiding the post-selection barrier.

<https://arxiv.org/abs/2304.09731>

<https://arxiv.org/abs/2306.03417>

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