

Abstract Submitted
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Dynamics and scaling of multi-partite entanglement FLORIAN MINTERT, Harvard University — We derive reliable estimates which allow for an efficient evaluation of a specific entanglement measure, concurrence, for further implementation in the monitoring of the time evolution of multipartite entanglement under incoherent environment coupling. This allows us to define a life time of entanglement for different realistic experimental scenarios, and investigate its scaling behaviour with increasing system size.

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