

Abstract Submitted
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Steady state of a driven quasi-one-dimensional Mott insulator with spin-orbital separation TAMAS PALMAI, ROBERT KONIK, Brookhaven Natl Lab — We consider a periodically driven quasi-one-dimensional Mott insulator with spin-orbital separation. To understand the emerging steady state we employ a combination of Floquet theory and numerical methods based on integrability to treat the time-dependent perturbation of the spin ladder describing the low-energy sector. We discuss our results in connection to pump-probe experiments on the one dimensional spin-orbital chain compound Sr_2CuO_3 .

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