

Abstract Submitted  
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**Generation of Werner states via collective decay of coherently driven atoms** KISHOR KAPALE, Jet Propulsion Laboratory, California Institute of Technology, GIRISH AGARWAL, Department of Physics, Oklahoma State University — We demonstrate deterministic generation of Werner states as a steady state of the collective decay dynamics of a pair of neutral atom coupled to a leaky cavity and strong coherent drive. We also show how the scheme can be extended to generate  $2N$ -particle analogue of the bipartite Werner states.

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