

Description of Additional Supplementary Files

File name: Supplementary Code 1

Description: cavity_sub-to-superradiance_equations: Julia program using QuantumCumulants.jl to derive and show the generic second-order cumulant equations for our system.

File name: Supplementary Code 2

Description: cavity_sub-to-superradiance_simulations: Second-order cumulant simulation with the open-source Julia package QuantumCumulants.jl to reproduce the theory results for our system.