

Title: Free space quantum communication: Some experiments

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Abstract : After describing free space quantum communication and one of its most important applications i.e., quantum key distribution, we will discuss our experience with some of the experiments carried out in our laboratory and in the field.

Biography: R.P. Singh is a faculty member in Atomic Molecular and Optical Physics Division at Physical Research Laboratory, Ahmedabad. His areas of research include light scattering, phase singularities of light, nonlinear optics, quantum optics, and quantum information. Presently he is engaged in experiments on high dimensional entangled states, free-space quantum communication, satellite-based quantum key distribution, and quantum radar.



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Date & Time
Wednesday,
17th November 2021
5:00 PM IST