

Joint Event on
5th International Conference on
QUANTUM PHYSICS AND NUCLEAR TECHNOLOGY
&
6th International Conference on
ATOMIC PHYSICS AND NUCLEAR PHYSICS

November 18-19, 2019 | Rome, Italy

Engineering entanglement of a general two- levels Atom interacting with the enviroment

Manal Gamal Eldin Mohamed
Beni-Suef University, Egypt

We discuss some new features of the model of a bipartite system interacting with the environments. An analytic solution of the master equation is obtained. We find that the effect of system parameters, such as the initial state setting, the detuning and the mean photon numbers can be used as controller parameters of entanglement. Our results motivate new designs of weak signal detectors by engineering entanglement, which are of fundamental significance in the information science.

Biography

Manal Gamal Eldin Mohamed is a lecturer in applied mathematics in mathematics and computer Science department, faculty of science, Beni -Suef University, Beni -Suef, EGYPT. She is Vice-President of Organization and Protocol Committee (OPC). She has published more than 10 papers in international refereed journal. She is a member in NSP international Conferences.

manalgamal2000@yahoo.com

Notes: