

Faculty Profile



Name: Dr. T. SHREECHARAN

Designation: Associate Professor

Teaching Areas: Physics

Research Interests: Quantum Computation and Application of Machine Learning to Physics

Education:

1. Ph. D. Physical Research Laboratory, Ahmedabad (2006).
2. M.Sc. University of Hyderabad, Hyderabad, (1999).
3. B. Sc. University of Madras, Chennai (1996).

Research / Selected Publications:

1. **T. Shreecharan**, Thokala Soloman Raju, Time dependent non-Abelian waves and their stochastic regimes for gauge fields coupled to external sources, Physical Review D 107 (2023) 056011.
2. Thokala Soloman Raju, **T. Shreecharan**, S. Sree Ranjani, Dynamics of Nonautonomous Matter Waves in a Waveguide With an External Source, IEEE Journal of Quantum Electronics. 58 (2022) 1.
3. B. A. Bambah, C. Mukku, **T. Shreecharan**, K. Siva Prasad, Entanglement in a model for Hawking radiation: An Application of Quadratic Algebras, Ann. Phys. 330 (2013) 201.
4. **T. Shreecharan**, K. V. S. Shiv Chaitanya, Aspects of coherent states of nonlinear algebras, J. Math. Phys. 51 (2010) 123511.
5. T. Shreecharan, P. K. Panigrahi, J. Banerji, Coherent states for solvable potentials, Phys. Rev. A 69 (2004) 12102.

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