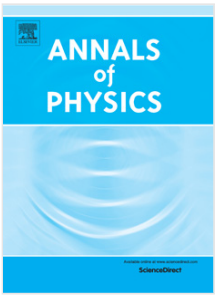
Accepted Manuscript



Precision of estimation and entropy as witnesses of non-Markovianity in the presence of random classical noises

H. Rangani Jahromi, M. Amniat-Talab

PII: S0003-4916(15)00213-4
DOI: http://dx.doi.org/10.1016/j.aop.2015.05.022
Reference: YAPHY 66852

To appear in: *Annals of Physics*

Received date: 16 March 2015
Accepted date: 18 May 2015

Please cite this article as: H.R. Jahromi, M. Amniat-Talab, Precision of estimation and entropy as witnesses of non-Markovianity in the presence of random classical noises, *Annals of Physics* (2015), http://dx.doi.org/10.1016/j.aop.2015.05.022

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

Highlights
1. Presenting a new interpretation of non-Markovianity in open quantum systems.
2. Illustratively unveiling a fundamental relationship between the dynamics of the entropy and non-Markovian behaviour in the presence of random classical noises.
3. Presenting a complete analysis of Parameter estimation in classical environments.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/8201969

Download Persian Version:

https://daneshyari.com/article/8201969

Daneshyari.com