

42nd Vietnam National Conference on Theoretical Physics (NCTP-42)

Journal of Physics: Conference Series Volume 1034

Can Tho, Vietnam
31 July – 3 August 2017

Editors:

**Trinh Xuan Hoang
Hoang Ahn Tuan
Vu Ngoc Tuoc**

ISBN: 978-1-5108-6409-2
ISSN: 1742-6588

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by the Institute of Physics
All rights reserved. The material featured in this book is subject to
IOP copyright protection, unless otherwise indicated.

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of contents

Volume 1034

42nd Vietnam National Conference on Theoretical Physics (NCTP-42)

31 July to 3 August 2017, Can Tho, Vietnam

Accepted papers received: 21 May 2018

Published online: 30 May 2018

Preface

[42nd Vietnam National Conference on Theoretical Physics \(NCTP-42\)](#)

[Peer review statement](#)

Papers

[On the validity of cosmic no-hair conjecture in an anisotropic inflationary model](#)

Tuan Q Do⁰⁰⁰⁰³

[Chameleon mechanism in \$f\(R\)\$ modified gravitation model of polynomial-exponential form](#)

Vo Van On and Nguyen Ngoc⁰⁰⁰⁰³

[Dependence of Short-Channel Effects on Semiconductor Bandgap in Tunnel Field-Effect Transistors](#)

Nguyen Dang Chien, Chun-Hsing Shih, Hung-Jin Teng and Cong-Kha Pham⁰⁰⁰⁴²

[Improvement quantum teleportation via the pair coherent states](#)

Tran Quang Dat, Truong Minh Duc and Ho Sy Chuong⁰⁰⁰⁴⁸

[Study on elastic deformation of substitution alloy AB with interstitial atom C and BCC structure under pressure](#)

Hoc Q Nguyen and Hien D Nguyen00054

[Drude-jellium model for the microwave conductivity of electrolyte solutions](#)

Tran Thi Nhan, Luong Thi Theu, Le Tuan and Nguyen Ai Viet00067

[Polar charges effect on multisubband electron mobility in the semiparabolic quantum wells based on AlN/AlGaN/AlN](#)

Pham Thi Bich Thao, Nguyen Nhut Tuan Hung, Tieu Tin Nguyen and Nguyen Thanh Tien00075

[Effect of exact thermal pairing on nuclear level density](#)

Le Thi Quynh Huong, Nguyen Quang Hung, Le Tan Phuc and Nguyen Hoang Tung00085

[Computational predictions of the new Gallium nitride nanoporous structures](#)

Le Thi Hong Lien, Vu Ngoc Tuoc, Do Thi Duong and Nguyen Thu Huyen00094