

COMMUNICATIONS IN PHYSICS

ISSN 0868-3166

Published by
**NATIONAL CENTRE FOR NATURAL
SCIENCE AND TECHNOLOGY OF VIETNAM**

Volume 11, Number 1

March 2001
Page

Contents

1.	Nguyen Van Hung, Nguyen Ba Duc, and Dinh Quoc Vuong - Theory of thermal expansion and cumulants in XAFS technique.	1-9
2.	Nguyen Huyen Tung - Asymptotics of the density of states in disordered bulk semiconductors.	10-15
3.	Dao Nguyen Hoai Nam, R. Mathieu, P. Nordblad, Nguyen Van Khiem, and Nguyen Xuan Phuc - Magnetic properties of the $Y_{0.7}Ca_{0.3}MnO_3$ compound.	16-29
4.	Nguyen Tuan Khai, and Le Hong Khiem - Energy loss and range of heavy ions in some typical stopping materials.	30-36
5.	Nguyen Van Khanh, Nguyen Van Vuong, Man Minh Tan - The self-demagnetization factor of bonded magnets.	37-44
6.	Tran Thanh Minh, Nguyen Van Do - Study on the separation of decay schemes of two Ba-129 states.	45- 50
7.	Pham Thu Nga, Le Ngoc Chung - Optical properties of Eu^{3+} in the new efficient laser material of strontium fluorovanadate.	51- 57

Letters to the Editor

8.	Hoang Dac Luc, Co Tuong Hanh, Le Tien Quan - Assessment of waste water pollution by heavy metals using nuclear analytical techniques.	58- 61
9.	D. C. Hiep, L. V. Hong, N. M. Ha, P. V. Phuc, D. N. H. Nam, N. X. Phuc, T. T. Phuong, T. L. Hung, and N. M. Hong - 39 K superconducting alloy of MgB_2	62- 64