

CONTENTS

Front Title	689
Advisory Board and Editors.....	691-692
From Editor's Desk	693
Front Contents.....	695-696

Astrophysics, Atmospheric & Space Physics

Cosmic ray intensity variations associated with sunspot numbers and tilt angle

MEERA GUPTA, V K MISHRA AND A P MISHRA	697-701
--	---------

Condensed Matter & Materials Physics

Temperature and wavelength dependence of transient photoconductivity in ZnTe

S JOHNSTON, R K AHRENKIEL, S BHUNIA AND D N BOSE	703-706
--	---------

Thermodynamic properties of aluminium (Al) at high temperatures and high pressures
using local pseudopotential with mean-field potential approach : a comparative study

N K BHATT, P R VYAS, A R JANI AND V B GOHEL	707-717
---	---------

Investigations of various growth parameters, FTIR and thermal studies of gel grown pure
and mixed levo-tartrates of calcium and strontium

KETAN D PARIKH, BHARAT B PAREKH, DIPAK J DAVE AND MIHIR J JOSHI	719-726
---	---------

General & Interdisciplinary Physics

Monte Carlo simulation of electron transport in metallic and biological materials

M F RAHIMI AND N GHAL-EH	727-736
--------------------------------	---------

Nuclear Physics

Measurement of cross sections for the reactions $^{65}\text{Cu}(n,\gamma)^{62g}\text{Co}$, $^{65}\text{Cu}(n,p)^{65}\text{Ni}$,
 $^{65}\text{Cu}(n,2n)^{64}\text{Cu}$, $^{58}\text{Ni}(n,2n)^{57}\text{Ni}$ and $^{58}\text{Ni}(n,p)^{58m+g}\text{Co}$ at 14.8 MeV neutron energy

A K M HARUN-AR-RASHID, M U KHANDAKER, M N ISLAM, A K M M H MEAZE,

SK A LATIF, M A HALIM, K NAHER, M N CHOWDHURY, M S UDDIN, M A HAFIZ AND

M M RAHMAN 737-743

Multi-dimensional fluctuation analysis of target residue in nuclear collisions

DIPAK GHOSH, ARGHA DEB, KEYA CHATTOPADHYAY(DUTTA), SRIMONTI DUTTA AND

MADHUMITA BANERJEE LAHIRI 745-752

Notes

Ultra wide band dielectric antenna for polarization independent omni directional
 applications

SAMIK CHAKRABORTY, BHASKAR GUPTA AND D R PODDAR 753-755

Effect of confining wall potential on Langmuir probe measurements

M K MISHRA, A PHUKAN, M CHAKRABORTY, K S GOSWAMI AND B K SAIKIA 757-760

Forthcoming Publications 761-762

Notes for Contributors 763-766

Our Special Publications 767-768