

NUCLEAR TECHNOLOGY & RADIATION PROTECTION

an international
scientific journal

Vol. XXXIX♦ No. 1

Contents

Papers

- Jonathan Walg, Jon Feldman, Itzhak Orion*
DECAY RATE CHANGES IN RADIOACTIVE GAMMA EMISSION
AS AFFECTED BY 18 MeV PROTON CYCLOTRON 1-11
- Zuhair, Wahid Luthfi, Muhammad Darwis Isnaini, Sriyono, Suwoto*
THE EFFECT OF BURNABLE ABSORBERS ON CRITICALITY
AND REACTIVITY COEFFICIENT OF VVER-1000 ASSEMBLY 12-20
- Nenad M. Kartalović, Uroš D. Kovačević, Dušan P. Nikezić,
Predrag V. Osmokrović*
THE INFLUENCE OF NEUTRON AND GAMMA RADIATION ON
THE RELIABILITY OF MAGNETIC AND SEMICONDUCTOR MEMORIES 21-28
- Simin Xiao, Xinglong Li, Yang Liu, Zhiping Luo,
Hongchao Pang, Jianhua Wu, Xiaopeng Huang*
PORTABLE X/g-RAY SURVEY METER BASED ON
THE INTERNET OF THINGS NETWORK FOR MEASURING
THE ENVIRONMENTAL RADIATION DISTRIBUTION 29-36
- Van-Toan Phan, Van-Hung Nguyen, Hung-Thai Pham,
Van-Dung Pham, Dinh-Khoa Tran, Hoai-Nam Tran*
THERMOLUMINESCENCE PROPERTIES OF $K_2GdF_5:Tb$ MATERIAL
IRRADIATED IN NEUTRON-GAMMA FIELDS OF ^{241}Am -Be SOURCE 37-46
- Niu Yunlong, Luo Yunfeia, Cong Feiyun, Zheng Huidi, Liu Xinggao*
RESEARCH ON ENERGY SPECTRUM ANOMALY DETECTION METHOD
FOR STATE CONTROL RADIATION ENVIRONMENTAL MONITORING
BASED ON LOF ALGORITHM 47-57
- Hong Lam Pham, Tien Dung Phan, Thi Hoang Anh Le, Quang Trung Pham*
PHOTON BEAM MODELING: A Comparative Study of PRIMO and GATE
Simulation Toolkits for the TrueBeam STx Linac 58-65
- Zoran M. Mirkov, Nebojša T. Milošević, Dario Faj*
PROPOSED VALUES FOR DIAGNOSTIC REFERENCE LEVELS
IN INTRAORAL DENTAL RADIOGRAPHY IN SERBIA 66-73
- Kevser Deniz, Abdullah Engin Calik*
HAZARD ASSESSMENT OF OUTDOOR GAMMA RADIATION
IN TAVSANLI, KUTAHYA REGION OF TURKIYE 74-80
- Vesna R. Stojiljković, Ljubica V. Gavrilović, Vojislav D. Stanić,
Srboljub J. Stanković, Dragan M. Nikolić, Snežana A. Pejić,
Snežana B. Pajović*
RADIOPROTECTIVE EFFECTS OF LINDEN HONEY IN RAT
PERIPHERAL BLOOD 81-87