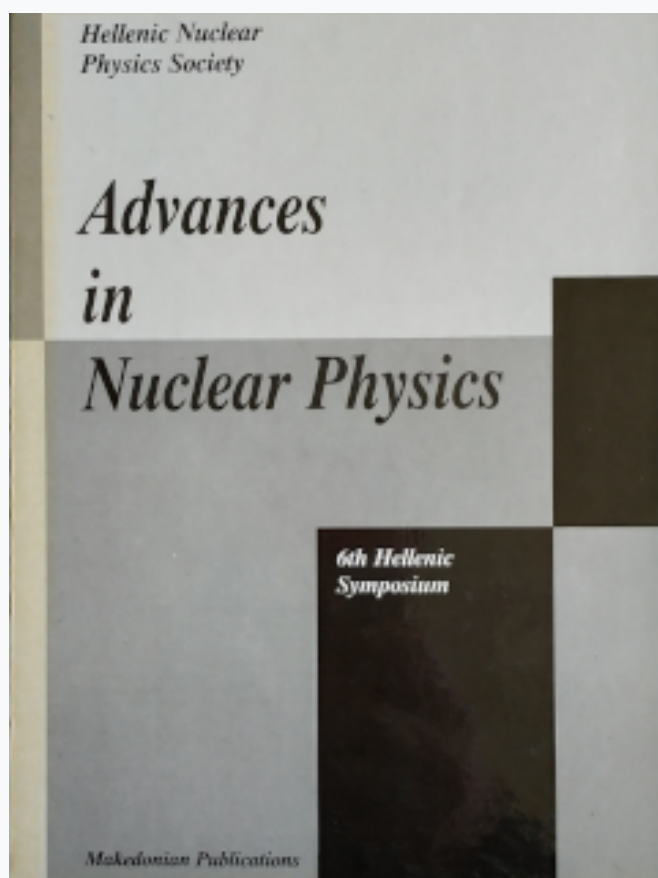


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SYMPOSIUM PROGRAMME

Friday, 26 May

Opening address

P. Kikilias, President of TEI of Piraeus

Welcome address by the Organizing Committee

V. Hinopoulos

Session I – Chairman: C. Syros

Binding Energies of Hypernuclei and Hypernuclear Interactions

A. R. Bodmer

Searching for Cold Dark Matter

J. D. Vergados

Energy Amplifier: A More Clear and Promising Nuclear Energy

S. Charalambous

Session II – Chairman: J. D. Vergados

A Study of Extended Fermionic Matter

C. Syros

Calculation of the Half Diagonal Two-Body Density Matrix of Model Nuclear Matter

M. Petraki and E. Mavrommatis

Effects of the Short Range Correlations on the Ca Isotopes

S. Massen

The Nucleon Momentum Distribution in the ^4He Nucleus Using the Morse Potential

K. Ypsilantis, S. Dimitrova, C. Koutroulos, M. Grypeos, A. Antonov

Neutrino-Nucleus Reaction Cross Sections at Low and Intermediate Energies

T. Kosmas

Session III – Chairman: C. Kalfas

Lifetime Measurements of Excited States in ^{110}Cd Nucleus

S. Harissopulos

High Spin Structure of ^{119}Te

C. Papadopoulos

Nuclear Shape Coexistence in ^{193}Hg

N. Fotiades

Competing Nuclear Shapes in ^{122}Xe

M. Serris

**Calibration and Monte-Carlo Simulation of the Detection System
PTOLEMEOS**

K. Spyrou *et al.*

$^{19}\text{F}(\text{p}, \alpha\gamma)^{16}\text{O}$: Test Reaction for the Detection System PTOLEMEOS

C. Chronidou *et al.*

Study of Neutron Reactions with Metals

C. Tsabaris

Session IV – Chairman: S. Massen

General Assembly of the HNP Society (Members Only)

Saturday, 27 May

Session V – Chairman: S. Kossionides

Electron Beam Monitoring Control System for the Microtron Accelerator

E. Gazis

Microtron Accelerator: Status Report – 1st Installation Stage

A. Karabarounis

Off-Shell Particles in Medium Energy Physics

G. Poulis

Quasi-Exactly Soluble Potentials and Deformed Oscillators

D. Bonatsos, C. Daskaloyannis, H. A. Mavromatis

Isospin Dependence of the Oscillator Spacing

G. A. Lalazissis, C. P. Panos

Shell Model Calculations in the $A \sim 100$ Mass Region

P. Divari

Nucleon-Induced Reactions Using Statistical Multistep Reaction Theories

P. Demetriou

Atomic Clusters

B. Kotsos

Session VI – Chairperson: M. Zamani

Low-Z Element Determination Using the RBS Method

M. Kokkoris *et al.*

Material Analysis by Nuclear and Optical Methods

R. Vlastou

Study of Smart Glasses with Heavy Ion RBS

X. Aslanoglou

Detectors for Radonium Measurements

C. A. Papachristodoulou, K. G. Ioannides, T. J. Mertzimekis

A Study of Radiocesium Absorption and Desorption Using γ Spectroscopy

T. J. Mertzimekis, K. G. Ioannides, C. A. Papachristodoulou

Session VII – Chairman: E. Gazis

Total and Partial Cross Sections at 3.65 GeV

M. Zamani, D. Sampsonidis

Real Time Individual Neutron Dosemeter

E. Savvidis and M. Zamani

A Research Study in the Radiological State of Building Materials and the Risk Assessment

A. Savidou, C. Raptis, P. Kritidis

Environmental Study on Natural Radioactivity Regime of the Icaria Island and the Radiological Impact

G. Trabidou, H. Florou, A. Angelopoulos, L. Sakelliou

Session VII – Chairman: M. Grypeos

Discussions – Conclusions