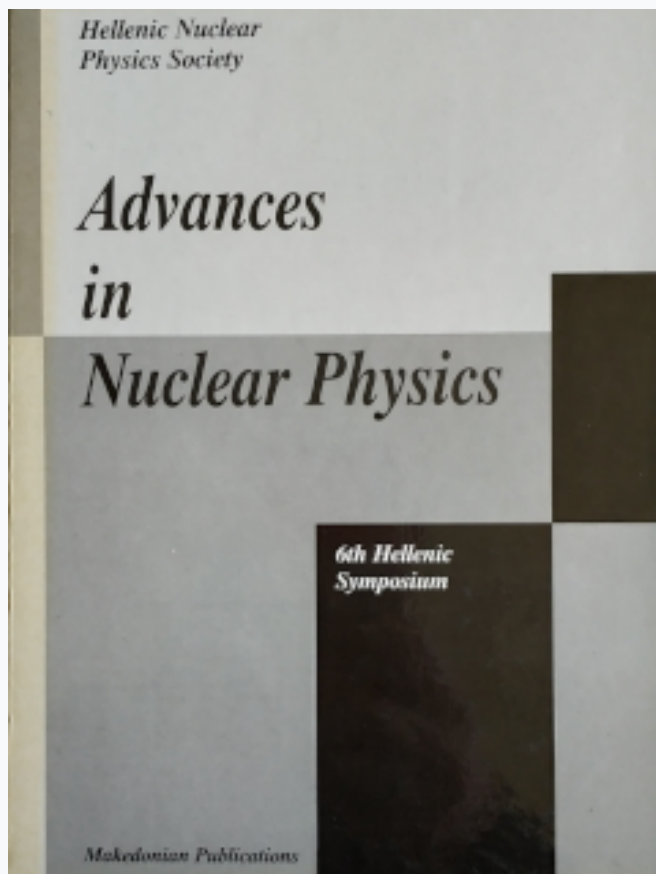


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### Symposium Program

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## SYMPOSIUM PROGRAMME

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**Friday, 26 May**

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**Opening address**

P. Kikilias, President of TEI of Piraeus

**Welcome address by the Organizing Committee**

V. Hinopoulos

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**Session I – Chairman: C. Syros**

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**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

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**Session II – Chairman: J. D. Vergados**

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**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  $^4\text{He}$  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

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**Session III – Chairman: C. Kalfas**

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**Lifetime Measurements of Excited States in  $^{110}\text{Cd}$  Nucleus**

S. Harissopoulos

**High Spin Structure of  $^{119}\text{Te}$**

C. Papadopoulos

**Nuclear Shape Coexistence in  $^{193}\text{Hg}$**

N. Fotiades

**Competing Nuclear Shapes in  $^{122}\text{Xe}$**

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

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**Session IV – Chairman: S. Massen**

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**General Assembly of the HNP Society (Members Only)**

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**Saturday, 27 May**

**Session V – Chairman: S. Kossionides**

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**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

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**Session VI – Chairperson: M. Zamani**

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**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 Radium Measurements**

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

**A Study of Radiocesium Absorption and Desorption Using  $\gamma$  Spectroscopy**

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

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**Session VII – Chairman: E. Gazis**

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**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 Ika-  
ria Island and the Radiological Impact**

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

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**Session VII – Chairman: M. Grypeos**

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**Discussions – Conclusions**