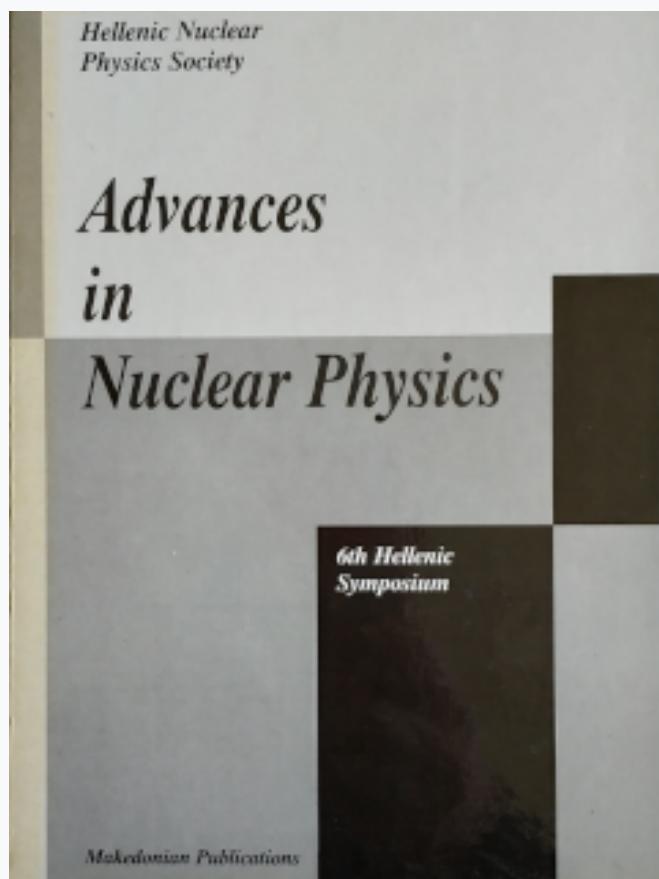


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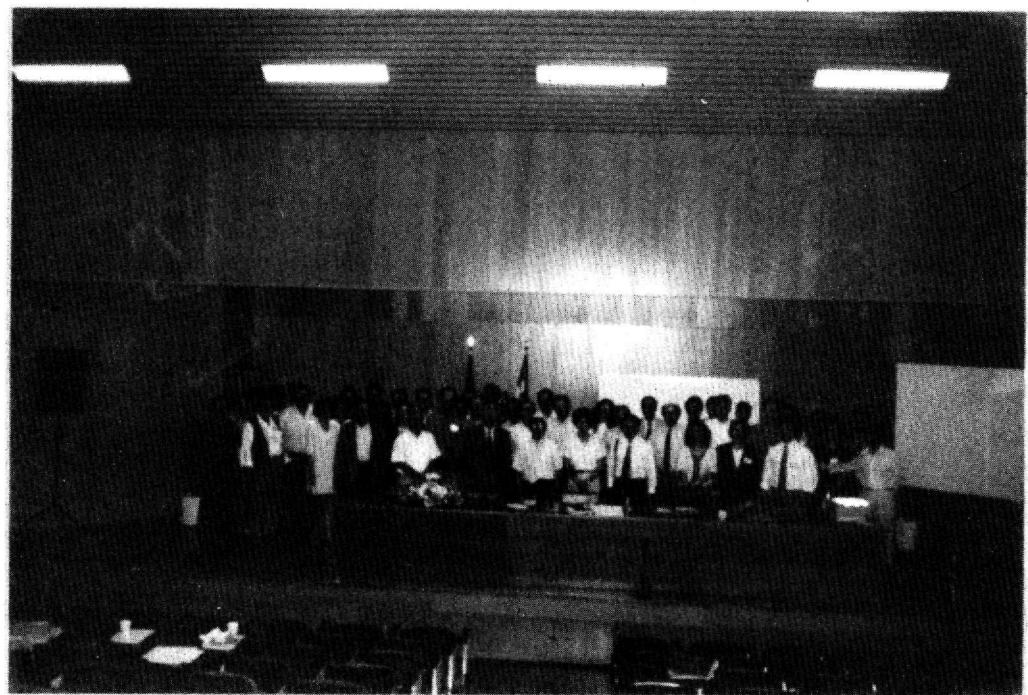
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Advances in Nuclear Physics



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Constantine N. Panos

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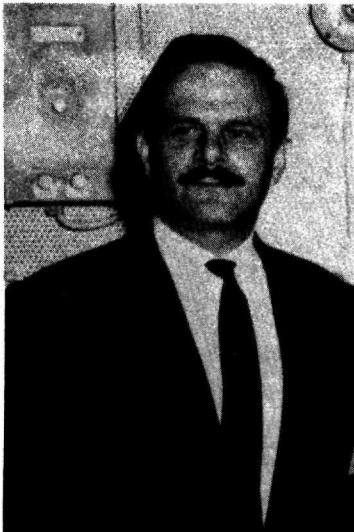
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## DEDICATION

These proceedings are dedicated to the memory of Themistocles Kanellopoulos and Stamatina Dritsa for their contributions to our field and society following the decision of the General Assembly of the Hellenic Nuclear Physics Society held on May 26, 1995.



**Th. Kanellopoulos**

One of the founders of modern physics in Greece. His pioneering work with K. Wildermuth on the cluster model in nuclear physics, which they introduced in 1958, has had a major impact on the field since then. First Scientific Director of the Nuclear Research Center "Demokritos" for many years. Inspired teacher, in advanced courses in the first graduate program of NRC "Demokritos" in the early sixties, of many present Greek researchers and university professors, who always remember him with gratitude.



**S. Dritsa**

One of the first members of the scientific community of "Demokritos" (since 1965) specialized in nuclear spectroscopy, being also in close contact with the reactor team. Founder of the Society of Scientists at "Demokritos", served as its President for many years. Founding member of the Hellenic Nuclear Physics Society. Liaison of the E.D.E.S. resistance organization in the struggle against the occupying forces in Greece during World War II, officially recognized through the award of a medal by the Greek State.



## PREFACE

This book includes the papers presented at the 6th Hellenic Symposium on Nuclear Physics, held in the Technological Education Institute (TEI) of Piraeus on May 26 and 27, 1995. The previous symposia have been organized by the U. of Thessaloniki (1990), NCSR "Demokritos" and U. of Athens (1991), National Technical U. of Athens (1992), U. of Ioannina (1993), and U. of Patras (1994). The next symposium is scheduled to be held in the TEI of Athens in May 1996.

The papers included are arranged according to the order in which they were presented following the programme of the Symposium (given on page 371), the first session being the one for the three invited papers. In addition, poster contributions are presented in the second part of this volume.

## Acknowledgements

The Organizing Committee wishes to thank the President of the Technological Education Institute (TEI) of Piraeus Prof. P. Kikilias and the Vice-President Prof. G. Serelea and all members of the Governing Board for the generous financial support and for the use of the facilities of the Institute. The Organizing Committee also thanks the Hellenic Nuclear Physics Society for the financial support of the participating postdoctoral researchers from abroad, as well as Dr. S. Papadopoulos for essential assistance in the organization of the Symposium.

The publication of the present volume has been accomplished through the further financial support of the President and the Governing Board of the TEI of Piraeus, as well as of the Hellenic Nuclear Physics Society. Editorial assistance in the final preparation of the manuscripts was offered by Drs P. Divari, N. Fotiades, M. Kokkoris, N. Vodinas, and for the organization of the material in this volume by D. Bonatsos. Their valuable contribution to the excellent appearance of the present volume is greatly appreciated.

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Athens, May 1996

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