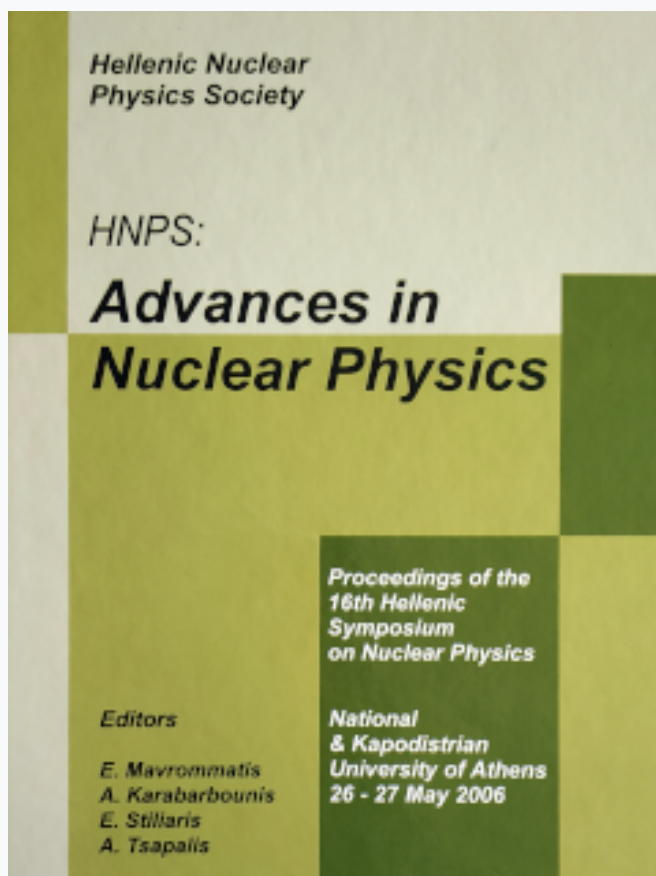


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HELLENIC NUCLEAR PHYSICS SOCIETY

PROCEEDINGS

of the

16<sup>th</sup> HELLENIC SYMPOSIUM

on

NUCLEAR PHYSICS

Physics Department  
NATIONAL AND KAPODISTRIAN UNIVERSITY OF  
ATHENS

26 & 27 MAY 2006

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## PREFACE

This volume contains the Proceedings of the 16<sup>th</sup> Hellenic Symposium on Nuclear Physics which took place at the Physics Department of the National and Kapodistrian University of Athens on May 26 and 27, 2006. It was organized under the auspices of the Physics Department and the Hellenic Nuclear Physics Society (HNPS).

The Symposium belongs to the series of the Hellenic Nuclear Physics Symposia sponsored by HNPS that started in 1990 at Thessaloniki and are held every year at different Hellenic Academic and Research Institutions with activity in Nuclear Physics. The aims of this series of Symposia are mainly:

- Presentation of the research activities mainly of the Greek Nuclear Physics Community and dissemination of information
- Creation of new and warming up of existing collaborations
- Promotion of new scientists by giving them the opportunity to present their work
- Coordination of the efforts of the Community of Nuclear Physicists in Greece and abroad and improvement of the undergraduate and graduate education of Nuclear Physics in Greece

The 16<sup>th</sup> Hellenic Symposium on Nuclear Physics was attended by more than 80 participants active within theory, experiment and applications. There have been few foreign speakers from abroad as well as some Greek nuclear physicists working abroad. There has been a significant participation of young colleagues at M.Sc and Ph.D levels and for the first time even a small number of undergraduate students. There have been 36 talks and 9 posters covering different topics from Hadron Physics, Nuclear Structure and Dynamics, Phases of Nuclear Matter, Nuclei in the Universe, Fundamental Interactions, as well as Nuclear Physics Applications. This volume includes the texts of the talks and

posters arranged according to the order in which they were presented (please see the program of the Symposium).

The organization of the Symposium was made possible by the support of the Division of Nuclear and Particle Physics, the Department of Physics and the Research Committee of the University of Athens. Financial support has also been offered by the Ministry of Education, as well as the Hellenic Nuclear Physics Society. We would like to warmly thank them all. Thanks are also due to the students and technical staff for their support. Finally, we would like to thank all participants for a truly interesting meeting. Once more it has become evident that the Nuclear Physics Community in Greece is characterized by devotion in education, enthusiasm, hard work and initiative in research, integrity and capacity for collaboration. It works for the advancement of knowledge and culture, for the improvement of the living conditions, for peace.

Athens, 2007

E. Mavrommatis

A. Karabarbounis

E. Stiliaris

A. Tsapalis

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