Preface

The International Nuclear Physics Conference 2013 (INPC2013) was held on 2-7 June 2013 in Firenze, Italy, and it was organized by the Istituto Nazionale di Fisica Nucleare (INFN) and the universities of Firenze, Milano, and Padova. The INPC is the main conference in the field of nuclear physics, endorsed and supported by IUPAP (International Union of Pure and Applied Physics). It is held every three years and the present edition was the 25\textsuperscript{th} of the series.

The Conference was attended by more than 700 participants (including more than 150 graduate students), from 43 countries. INPC2013 addressed the most compelling questions of modern nuclear physics, including nuclear structure and reactions, hot and dense nuclear matter, astrophysics, hadron structure and hadrons in nuclei, fundamental symmetries and interactions, neutrinos and nuclei, nuclear physics based applications as well as new facilities and instrumentation.

All topics were discussed in the morning plenary sessions and in the afternoon parallel sessions, which included about 300 invited and contributed talks. In addition, more than 300 posters were presented, mainly by graduate students and post-doctoral fellows, in a lively poster session.

Special plenary presentations were given by the winners of the IUPAP young scientist prize, which is awarded, for the field of nuclear physics, every three years during the INPC conference. This year's winners were: Rabia Burcu Cakirli (University of Istanbul), Stefano Gandolfi (Los Alamos National Laboratory) and Bjoern Schenke (Brookhaven National Laboratory). The INPC2013 conference also hosted the award ceremony of the IBA-Europhysics prize for applied nuclear science and nuclear methods in medicine to Prof. Marco Durante (GSI).

At the end of the conference, the Nuclear Physics Commission (C12) of IUPAP announced that the next INPC conference will be held in Adelaide, Australia, in 2016.

This issue of \textit{EPJ Web of Conferences} contains most part of the plenary, invited, oral and poster contributions given at INPC2013. All published articles were peer-reviewed by expert referees according to the scientific standards expected for EPJ Web of Conferences journal.

S.Lunardi, P.G. Bizzeti, C. Bucci, M. Chiari, A. Dainese, P. Di Nezza, R. Menegazzo, A. Nannini, C. Signorini, J.J. Valiente-Dobon

\textit{Editors of the INPC2013 Proceedings}
ORGANIZING COMMITTEE

Cosimo Signorini, Chair, Padova
Pier Andrea Mandò, Co-chair, Firenze
Carlo Bucci, LNGS
Massimo Chiari, Firenze
Gianluca Colò, Milano
Andrea Dainese, Padova
Giacomo de Angelis, LNL
Pasquale Di Nezza, LNF
Silvia Leoni, Milano
Santo Lunardi, Padova
Roberto Menegazzo, Padova
Adriana Nannini, Firenze
Silvia Piantelli, Firenze
Domenico Santonocito, LNS
Josè Javier Valiente Dobon, LNL

PROGRAM COMMITTEE

Angela Bracco, Chair, Milano
Alessandro Olmi, Secretary, Firenze
Francesco Becattini, Firenze
Carla Cattadori, LNGS
Maria Colonna, LNS
Nicola Colonna, Bari
Oliviero Cremonesi, Milano Bicocca
Giacomo Cuttone, LNS
Fabiana Gramegna, LNL
Giovanni La Rana, Napoli
Franco Lucarelli, Firenze
Rosario Nania, Bologna
Eugenio Nappi, Bari
Giuseppina Orlandini, Trento
Sara Pirrone, Catania
Marco Radici, Pavia
Patrizia Rossi, LNF
Claudio Spitaleri, Catania
Mauro Taiuti, Genova
Ermanno Vercellin, Torino
Andrea Vitturi, Padova
INTERNATIONAL ADVISORY BOARD

Nicolas Alamanos, France
Faical Azaiez, France
Thomas Aumann, Germany
Yorick Blumenfeld, Switzerland
Maria Borge, Spain
Stanley J. Brodsky, USA
Mark Chadwick, USA
Philippe Chomaz, France
Luisa Cifarelli, Italy
Francis A. Cucinotta, USA
Jens Dilling, Canada
Marco Durante, Germany
Anatoly V. Efremov, Russia
Rolf Ent, USA
Martin Freer, United Kingdom
Zsolt Fulop, Hungary
Avraham Gal, Israel
Sidney Gales, France
Michel Garcon, France
Donald F. Geesaman, USA
C. Konrad Gelbke, USA
Muhsin Harakeh, The Netherlands
Sotirios Harissopulos, Greece
Wick Haxton, USA
Morten Hjort-Jensen, Norway
Francesco Iachello, USA
David Ireland, United Kingdom
Barbara Jacak, USA
Robert Janssens, USA
Rauno Julin, Finland
Ralf Kaiser, United Kingdom
Taka Kajino, Japan
Reiner Kruecken, Canada
Karlheinz Langanke, Germany
Alinka Lepine-Szily, Brasil
Sylvie Leray, France
Bao-An Li, USA
Adam Maj, Poland
Jie Meng, China
Dong-Pil Min, Korea
Hugh E. Montgomery, USA
Shoji Nagamiya, Japan
Witold Nazarewicz, USA
Thomas Nilsson, Sweden
Yuri Oganessian, Russia
Takaharu Otsuka, Japan
Alfredo Poves, Spain
Achim Richter, Germany
Karsten Riisager, Denmark
Marie-France Rivet, France
Guenther Rosner, Germany
Hideyuki Sakai, Japan
Hiroyoshi Sakurai, Japan
Helmut Satz, Germany
Reinhard W. Schulte, USA
Yves Schutz, France
Jurgen Schukraft, Switzerland
John Simpson, United Kingdom
Bikash Sinha, India
Johanna Stachel, Germany
Horst Stoecker, Germany
Hans Stroeher, Germany
Anthony W. Thomas, Australia
Michael Thoennessen, USA
Werner Tornow, USA
Vladimir Tretyak, Ukraine
Robert Tribble, USA
Piet Van Duppen, Belgium
Dario Vretenar, Croatia
Thomas Walcher, Germany
Xin-Nian Wang, USA
Eberhard Widmann, Austria
Michael Wiescher, USA
Bolek Wyslouch, USA
Nicolae-Victor Zamfir, Romania
Wenlong Zhan, China