

BORMIO-2012: The First Topical Workshop on Modern Aspects in Nuclear Structure

The First Topical Workshop on Modern Aspects in Nuclear Structure (BORMIO-2012) was held in Bormio, Italy, from February 22–25 2012 (Figure 1). It was jointly organized by Università degli Studi di Milano and Istituto Nazionale di Fisica Nucleare (sez. Milano), with local organizers Angela Bracco, Franco Camera, Gianluca Colò, and Silvia Leoni. It was sponsored by Università degli Studi di Milano, Istituto Nazionale di Fisica Nucleare, and by the companies CAEN, AMETEK/ORTEC, and Saint-Gobain.

This meeting was the start of a new series of Topical Workshops that are planned to be organized every second year in the month of February in Bormio by the Nuclear Structure

Group of Milan. The aim is to focus, each time, on specific topics that are relevant for the nuclear structure community and related areas. Within the workshop, experimental and theoretical collaborations will have the opportunity to present and discuss their latest development on physical aspects and more technical issues. This first edition was devoted to “Advances in Nuclear Structure with Arrays including New Scintillator Detectors,” with a scientific program concentrating on the physics perspectives in connection with experiments with both stable and radioactive beams.

A total of 111 participants registered for the workshop, of which 27 were Ph.D. students and post-Doctoral

researchers. The participants came from 18 different countries within Europe, the United States, Asia, and Africa. The International Advisory Committee proposed 30 invited speakers and a total of 64 talks were organized in morning and afternoon sessions.

The very positive response of the nuclear structure community to this first edition of the meeting contributed to a very lively, enjoyable, and inspiring atmosphere. Highlights from theoretical and experimental advances were presented in connection with recent experimental campaigns with state of the art detection setups and their future developments, such as AGATA at Legnaro, EXOGAM at GANIL, LAND/R3B at GSI, MINI-



Figure 1. Workshop attendees.



Figure 2. (Clockwise from left): the winners of the CAEN Best Young Speaker Award, Marco Brenna (University of Milano and INFN) and Tudi Le Bleis (T.U. Munich), Dr. Ing. Franco Vivaldi (Vice President of CAEN) and Professor John Sharpey Shafer (Chair of the Award Committee).

BALL at ISOLDE, MoNA-LISA at MSU, and DALI/DALI2 at RIKEN. Overviews of experimental programs in smaller laboratories were also given, providing a comprehensive picture of the richness and complementarity of the international nuclear structure scientific program.

The development of scintillators being the focus of this edition, the workshop was preceded on February 21 by the Annual Open Meeting of the PARIS collaboration, organized by Adam Maj, the PARIS project leader. The collaboration intends to build a large γ calorimeter of scintillator detectors (<http://paris.ifj.edu.pl/>) and this gave the possibility to emphasize the most recent technical developments in connection with new scintillator materials. The workshop format, with few

hours official break in the early afternoon, offered the possibility to both enjoy the beauty of the surroundings and to accommodate collaboration meetings within European networks, such as the kick-off meeting of the GANAS project and the meeting of JRA4/INDESYS of ENSAR. An open discussion on February 24 was also devoted to future perspectives of research activities with the new proton cyclotron at the Institute of Nuclear Physics PAN in Krakow, which is expected to become operational in December 2012.

During the conference dinner, on the last day of the workshop, the two best talks of young speakers, one on technical developments and one on physics, were rewarded with cash prizes kindly offered by the spon-

sor, CAEN (Figure 2). They were assigned to Tudi Le Bleis (T. U. Munich) and Marco Brenna (University of Milano and INFN) by an International Award Committee, composed of Professor J. Sharpey Schafer, Dr. M. Locatelli, Prof. T. Motobayashi, and Professor K. Pomorski. Finally, few days after the workshop, all oral presentations were made available online at the BORMIO-2012 workshop Web page (<http://www.mi.infn.it/WSBormio-Milano2012/>), contributing to disseminate the valuable scientific content of the meeting.

The next edition of this series will be held in Bormio in February 2014 and we look forward to continuing with the same enthusiasm, successful response, and high-quality scientific content that have characterized this first meeting.



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