

Preface

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The XV edition of the Incontri di Fisica delle Alte Energie (IFAE) was hosted in the Physics Department of the University of Genova from March 30th to April 1st. The number of participants exceeded one hundred, with 57 oral presentations and 46 contributions to the poster section. The opening session was devoted to two important scientific topics: the observation of the gravitational waves and the physics perspectives of the LHC Run 2. Four sessions (namely *Cosmic frontier*, *Intensity frontier*, *Energy frontier* and *New technologies*) showed the wide spectrum of activities currently ongoing in the field.

The scientific and local committees have given attention to young researchers and PhD students in all the aspects of the meeting, especially by assigning talks and sessions convenorships. A special event, *La ricerca ha bisogno di giovani*, has also been organized in the Sala del Maggior Consiglio in Palazzo Ducale. In this roundtable, young researchers and citizens have met and discussed the future of research in Italy together with Roberto Cingolani (IIT Director), Paolo Comanducci (Genova University Dean), Fernando Ferroni (INFN President) and Corrado Spinella (CNR Head Director).

I would like to thank all the members of the Local Committee that have enthusiastically organized this meeting: C. Biggio, R. Cardinale, G. Darbo, G. Gemme, M. Pallavicini, F. Parodi, S. Passaggio, E. Robutti, M. Taiuti, S. Zavatarelli; and the secretariat: A. Brunengo, E. Carnevali, M. Corosu, D. Ferraro, L. Opisso, M. Pavan. I want to express our gratitude also to the members of the Scientific Committee that have helped with wise and expert advice. Special thanks to the Conveners of the Sessions for their valuable work in the organization and chairing of the sessions: D. Barducci, B. Di Micco, A. Orso Maria Iorio (*Energy frontier*), L. Di Luzio, E. Guido, S. Perazzini (*Intensity frontier*), S. Davini, A. Di Crescenzo, S. Gabici, M. Razzano, I. Tamborra (*Cosmic frontier*) and F. Barbato, M. Fiorini (*New technologies*). Last but not least, I want to express my appreciation to all the speakers and participants: their enthusiasm and skill have been the real key of the workshop success.

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