



PROGRAMME

International Symposium

60 YEARS OF SUBNUCLEAR PHYSICS IN BOLOGNA

*Accademia delle Scienze dell'Istituto di Bologna – Sala Ulisse
Via Zamboni 31, Bologna, Italy*

7 November 2018

MORNING SESSION 9.00-13.00

OPENING ADDRESSES

Walter TEGA – President, Bologna Academy of Sciences

Francesco UBERTINI – Rector, Bologna University

Luisa CIFARELLI – President, Italian Physical Society

LECTURES

Chair: **Fernando FERRONI** – President, INFN

09.30-10.00 Opening Lecture

“Ferretti, Puppi and the discovery which opened up new horizons in subnuclear physics”

Antonino ZICHICHI (University of Bologna) – President, World Federation of Scientists

10.00-10.30

“The story of the Physics Department of the University of Bologna”

Ettore VERONDINI (University of Bologna) – Past Director, Physics Department – University of Bologna

10.30-11.00

“The story of the INFN Unit of Bologna”

Graziano BRUNI (INFN) – Director, INFN Unit of Bologna

— BREAK (11.00-11.30)

Chair: **Enzo IAROCCI** – University of Roma La Sapienza, INFN and Centro Fermi

11.30-11.50

“The search for heavy leptons from CERN to Frascati”

Federico PALMONARI (University of Bologna)

11.50-12.10

“The LAA Project”

Horst WENNINGER (CERN)

12.10-12.30

"The ELOISATRON Project"

William BARLETTA (Massachusetts Institute of Technology – MIT)

12.30-12.50

"The effective energy in QCD"

Francesco NOFERINI (INFN Bologna)

— **BREAK (12.50-14.00)**

AFTERNOON SESSION 14.00-18.00

Chair: **Sergio BERTOLUCCI** – University of Bologna

14.00-14.20

"Advanced time-of-flight detectors and ALICE at LHC"

Gilda SCIOLI (University of Bologna)

14.20-14.40

"AMS to search for antimatter in space"

Andrea CONTIN (University of Bologna)

14.40-15.00

"From LVD to DarkSide at Gran Sasso"

Eugenio SCAPPARONE (INFN Bologna)

15.00-15.20

"The EEE – Extreme Energy Events Project"

Rosario NANIA (INFN Bologna) – Strategic Projects Coordinator, Centro Fermi

— **BREAK (15.20-15.50)**

Chair: **Rita CASADIO** – University of Bologna

President, Class of Physical Sciences, Bologna Academy of Sciences

15.50-16.10

"The Erice International School of Subnuclear Physics"

Pierre DARRIULAT (Vietnam Academy of Science and Technology)

16.10-16.30

"Thirty years of Erice lectures on the brane"

Michael J. DUFF (Texas A&M University)

16.30-17.15

"Is science in a crisis?"

Gerard 'T HOOFT (University of Utrecht)

17.15-18.00 Closing Lecture

"The future of our science – From the evolution of the electron to the evolution of the Universe"

Antonino ZICHICHI (University of Bologna)

Chair: **Walter TEGA** – University of Bologna

President, Bologna Academy of Sciences

18.00-18.15 AWARD CEREMONY

Decoration and diploma to G. 'T HOOFT as Foreign Member of the Academy