



The Abdus Salam  
International Centre for Theoretical Physics



# Nicola Cabibbo and the ICTP



F. Quevedo, ICTP Director, Rome November 2010

# Nicola Cabibbo

One of the best and most  
important friends of ICTP

# **1985 INFN-ICTP Micro-processors Laboratory**

**AGREEMENT BETWEEN THE INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS (ICTP) AND THE NATIONAL INSTITUTE OF NUCLEAR PHYSICS (INFN) FOR A LABORATORY ON MICROPROCESSORS**

WHEREAS intense cultural and scientific collaboration has developed between the International Centre for Theoretical Physics (hereinafter called "ICTP") and the National Institute of Nuclear Physics (hereinafter called "INFN") since 1975;

WHEREAS the most recent programmes of activities of the two bodies show ample possibilities of extending this collaboration to other programmes and activities of mutual interest;

CONSIDERING THAT the ICTP has, for the past few years, carried out an intense scientific activity in the field of microprocessors as periodic training courses;

CONSIDERING FURTHER THAT the ICTP has obtained from the Dipartimento per la Cooperazione allo Sviluppo of the Italian Ministry of Foreign Affairs, through the United Nations University, financial support to set up in Trieste a Microprocessor Laboratory;

MINDFUL OF THE FACT THAT the scope of the said laboratory is to provide technical and scientific support to the courses organized by the ICTP, as well as to create a laboratory for research and development in the field of microprocessors open to scientists from developing countries;

RECOGNIZING THAT INFN carries out research which involves an important use of microprocessors for the control and acquisition of experimental data;

RECOGNIZING FURTHER THAT

Between the ICTP, represented by its Director, Professor Abdus Salam, and the INFN, represented by its President, Professor Nicola Cabibbo.

IT IS AGREED as follows:

Art. 1. The ICTP and the INFN are setting up in Trieste the "Laboratory for Training, Development and Research on Microprocessors". The seat of the Laboratory is a building in Via Beirut 31, put at the disposal of the Laboratory by the Municipality of Trieste, through the Consorzio per l'Incremento degli Studi e Ricerche degli Istituti di Fisica dell'Università di Trieste:

Art. 2. Each of the two bodies shall contribute to the supply of equipment, personnel and financial resources necessary for the operation of the laboratory, including rental and maintenance expenses relating to the Seat;

Art. 3. The equipment and instrumentation put at the laboratory's disposal shall remain property of the body which has provided for it; each piece of equipment and financial resources shall be managed separately by each body in accordance with their administrative rules; the personnel working in the laboratory shall remain staff members of the body with which they are affiliated.

Art. 4. The Laboratory will implement scientific programmes of common interest, or of interest to one of the bodies;

Art. 5. The present Agreement shall have the duration of three years, and will be automatically renewed every year unless terminated by one or both bodies at least six months before the expiration.

Art. 6. The present agreement shall enter into force as soon as it is authorized by the respective competent authorities of ICTP and INFN.

The Director of ICTP

  
Professor Abdus Salam

The President of INFN

  
Professor Nicola Cabibbo

7 October, 1985



**1995-2006 Italian Government  
Representative on Steering  
Committee**





*Government Mission of Italy to  
the International Organizations in  
Vienna*

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Vienna, 7 August 1995

*Mr. Nicola Cabibbo,*

I have the pleasure to inform you that, upon indications of the Ministry of Scientific and Technologic Research, the Italian Government has designated Prof. Nicola Cabibbo, as its representative to the Steering Committee of the International Centre for Theoretical Physics.

Prof. Nicola Cabibbo was born in Rome in 1935. He graduated at the University of Rome in 1958 in Physics. He is Professor of Theoretical Physics at the University of "Tor Vergata" in Rome. After being President of the National Institute of Nuclear Physics, he is now President of ENEA. In 1993 he was a member of an ad hoc Committee for the evaluation of the activities of ICTP.

Prof. Nicola Cabibbo has highly contributed to broaden the

President of ENEA. In 1993 he was a member of an ad hoc Committee for the evaluation of the activities of ICTP.

Prof. Nicola Cabibbo has highly contributed to broaden the knowledge of elementary forces, which explain the structure of atomic nucleus (Cabibbo's angle). He has undertaken important studies on the interaction between radiation and matter and has discovered the possibility of cristal polarization.

Accept, Sir, the assurances of my highest consideration.

*Elisabetta Belloni*  
Dr. Elisabetta Belloni  
Officer-in-Charge

Mr. Hans Rlix  
Director General  
IAEA  
Vienna

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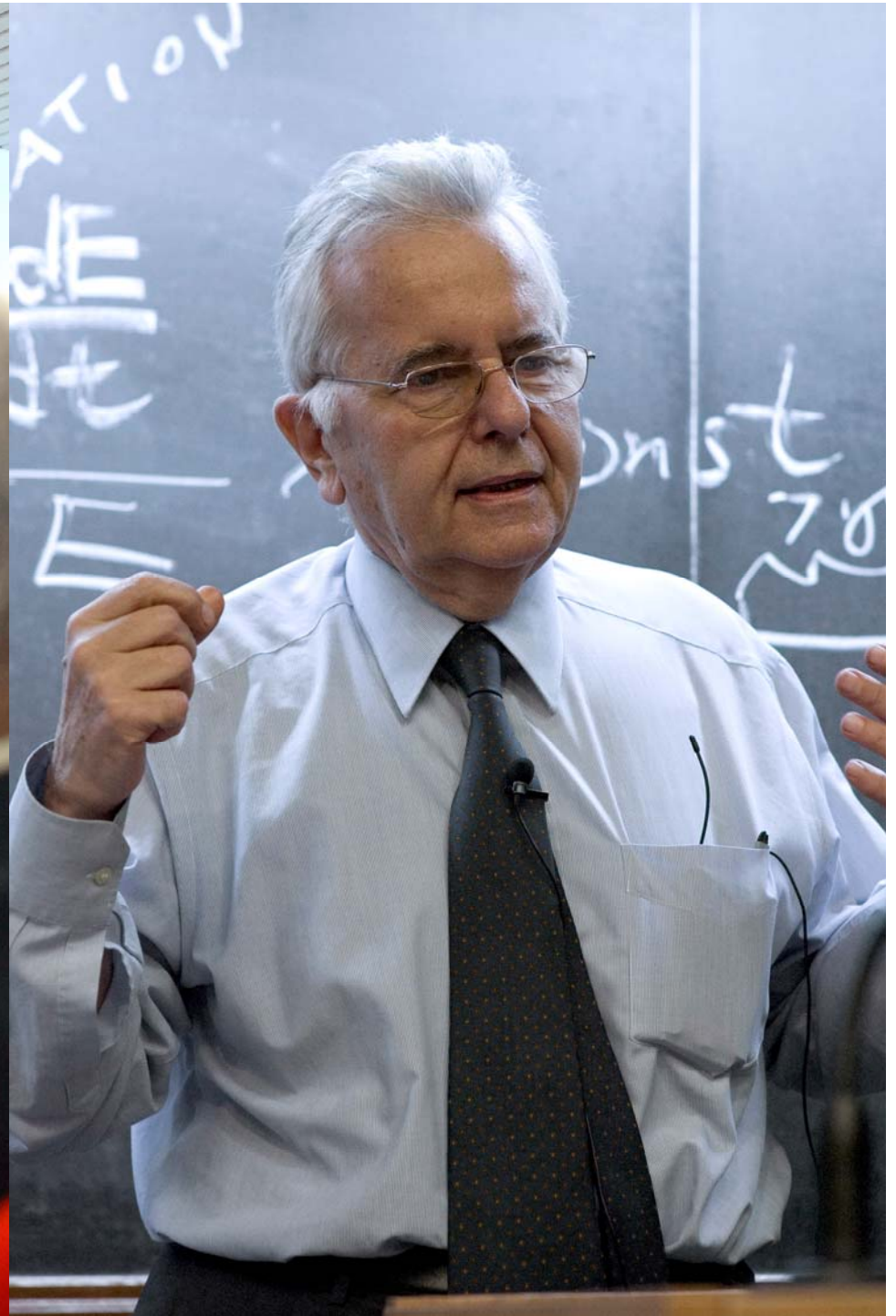


# 1997-2010 Scientific Council





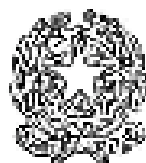




**2006-2010 Chairman  
Scientific Council**

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*Al Ministro dell'Istruzione, dell'Università e della Ricerca*

Prot. 77  
Roma, 20/03/06

Alla Rappresentanza  
Permanente d'Italia  
presso l'U.N.E.S.C.O.  
1, Rue Miollis - 75015 Parigi

e per conoscenza a:  
- Ministero degli Affari Esteri  
D. G. Promozione e Cooperazione  
Culturale  
- Rappresentanza Permanente d'Italia  
presso le Organizzazioni Internazionali  
di Vienna  
- Prof. Roberto Petronzio  
Presidente dell'Istituto Nazionale di  
Fisica Nucleare



presso la ORGANIZZAZIONE INTERNAZIONALE  
di Vienna

- Prof. Roberto Petronzio

Presidente dell'Istituto Nazionale di  
Fisica Nucleare

Oggetto: Centro Internazionale di Fisica Teorica - Designazione del Prof. Roberto Petronzio

Il Prof. Nicola Cabibbè è stato fino ad ora l'Alto Rappresentante del Governo italiano nel Comitato Direttivo del Centro Internazionale di Fisica Teorica, che ha sede a Trieste. Egli ha comunicato che è stato nominato Presidente del Comitato Scientifico del medesimo Centro. Si presenta, pertanto, la necessità di nominare un nuovo rappresentante nel Comitato Direttivo.

Con la presente si designa il Prof. Roberto Petronzio, Presidente dell'Istituto Nazionale di Fisica Nucleare - INFN.

Codesta Rappresentanza è pregata di trasmettere la presente designazione al Direttore Generale dell'U.N.E.S.C.O. al fine della sua nomina quale nuovo Alto Rappresentante del Governo italiano nel Comitato Direttivo del Centro Internazionale di Fisica Teorica, Trieste. Si allega il curriculum vitae del Prof. Petronzio.

Il Ministro  
*Renzo De Benedetti*



J. C. YOCCOZ

CHAIRMAN



# 2010 Dirac Medal

(with E.C.G. Sudarshan)

## 2010 Dirac Medal and Prize

The 2010 Dirac Medal and Prize are awarded to Nicola Cabibbo (University La Sapienza, Rome, Italy) and Ennackal Chandy George Sudarshan (University of Texas, Austin, Texas, USA) in recognition of their fundamental contributions to the understanding of weak interactions and other aspects of theoretical physics.

Cabibbo's important contributions to theoretical physics include the recognition of the significance of mixing in weak interactions, which has established the existence of a new class of physical constants, whose first example is the Cabibbo angle. This angle determines the mixing of strange quarks with non-strange quarks and has been measured experimentally. With the discovery of a third family of quarks and leptons, quark mixing led to the understanding of the phenomenon of CP violation.

Sudarshan's important contributions to theoretical physics include the discovery (with Robert Marshak) of the V-A theory of weak interactions, which opened the way to the full description of the unified electroweak theory. He has also made innovative discoveries in the field of Quantum Optics, including the Optical Equivalence Theorem, which provides the foundation upon which the investigations of the manifestly quantum or non-classical character of the electromagnetic field are based.



# George Sudarshan, David Gross, Paola and Andrea Cabibbo









# 2010 Pomeranchuk Prize

# Paola Cabibbo, Luciano Maiani



# 2010 ICTP Prize



**ICTP Prize 2010 in honour of Nicola Cabibbo**

# ICTP



Portrait of Nicola Cabibbo (1926-2008)



## prize



The Abdus Salam  
International  
Prize for Theoretical Physics

# 2010

Shiraz Minwalla



**Nicola will always live at  
ICTP**