

Curriculum Vitae: Antonio Insolia

Address Dipartimento di Fisica e Astronomia
 Università degli Studi di Catania

 Via S. Sofia 64
 I-95123 Catania, Italy

Phone: (39) 095 378 5324

e-mail: antonio.insolia@ct.infn.it

Citizenship: Italian

Academic Career:

2001 - present Full Professor, Università di Catania, Italy
1988 - 2001 Associate Professor, Università di Catania, Italy
1978 - 1988 Lecturer and Associate Professor, Università del Salento, Lecce
1976 - 1978 Research Associate NBI – Copenhagen, DK
1975 - 1976 Research associate, CEN – Saclay
June 1975 Degree in Physics, Summa cum Laude, Univ. di Catania

Research Activity Summary

Degree in Physics on July 1975, at the University of Catania with summa cum laude, with a Thesis in Nuclear Physics on “Pairing and Quarteting Correlations in Atomic Nuclei”. Lecturer of Laboratory of Physics and Nuclear Physics in 1978 at the University of Lecce, Assistant Professor in Nuclear Physics in 1982. Since February 1985, he is associate professor of Nuclear Physics at the Lecce University. In 1988 he moved from Lecce University to Catania University. Since November 2001 he is full professor of Experimental Physics, with current didactical activity as professor of General Physics for Physics students (first year) and Cosmic Ray Physics for Physics students (fifth year). He is also teaching High Energy Astrophysics for the students of the PhD School in Physics.

Member of the National Scientific Committee for Theoretical Physics of the INFN in the years 1989 - 1995.

Member of the National Scientific Committee for Astroparticle Physics of the INFN in the years 2005-2010.

Scientific Coordinator of the PhD School in Physics of the Catania University for about six years.

Director of the Department of Physics and Astronomy of the Catania University (January 2011 – December 2014).

Director of the Catania Section of INFN since July 2015.

Since the degree in Physics he has been working within INFN research projects. He has performed research activity in Nuclear Physics and, specifically in Nuclear Structure, radioactive nuclear decays (alpha decay and exotic decay) and two and four particle transfer reactions. He has moved to intermediate and then relativistic ion physics within important international collaborations in the USA, like Transport, EOS and E896 Collaboration, mainly working on **relativistic heavy ion collisions** at

Berkeley University (CA-USA) and at the Brookhaven National Laboratory (NY-USA). Some activity was also devoted to pion production experiments in Saclay and Grenoble. It is relevant to mention the measurement (within the Transport Collaboration at the BEVALAC, LBNL, USA) of a very large set of fragment production cross sections of interest in the study of very high energy cosmic ray propagation in the galactic and intergalactic medium and the first experimental evidence for a liquid-gas phase transition in nuclear matter, obtained within the EOS Collaboration at Berkeley. Since 1999 he is active in **Cosmic Ray Physics** as member of the Pierre Auger Collaboration, with specific responsibilities within the work going on with the Fluorescence Detector (calibration of the Fluorescence Telescopes), coordinating the cosmic ray research group in Catania.

Since 1996, he has promoted a series of Conference (CRIS) initially devoted to relativistic ion physics and since 2004 in the form of Cosmic Rays International Seminars (CRIS). Edition 2015 has taken place in Gallipoli jointly organized by Catania and Lecce INFN Sections (A. Insolia and D. Martello, Charmen). Since 1996 the CRIS Proceedings have been published by preminent scientific Publishers (World Scientific, IOP, Elsevier).

He has published about 200 original research papers, Conference Proceedings as Editor and numerous contributions (invited talks, contributed papers, lectures) personally presented at international conferences of Physics and Schools.

The h-index is 37 (source: ISI, Web of Science).

The total number of citation is about 5900 (source: ISI, Web of Science).

He is currently referee for different types of projects at MIUR (PRIN, FIRB, Levi-Montalcini, etc) and for International Projects in different Countries .

His name is included into the ANVUR list for the ASN procedures and into the ANVUR list for the expert of evaluation for the new procedures of certification recently introduced in Italy for Bachelor's Degree, Master Degree and PhD Schools.

Committees and Coordination Activity

July 2015 - present Director – Sezione INFN – Catania

2011 - 2014 Director of the Dipartimento di Fisica e Astronomia, Catania University

2005 - 2010 Member of the Commissione Scientifica Nazionale INFN for

Astroparticle Physics

1999 - 2003 Coordinator of the PhD School in Physics of the Catania University

1989 - 1995 Member of the Commissione Scientifica Nazionale INFN

for Theoretical Physics

Conference Organization :

The series of Conference named CRIS (Cosmic Rays International Seminar) starte in 1996 and now arrived at the edition number 10, with CRIS2016 planned in Ischia , July 2016.

Member of the International Advisory Committee of numerous international conferences.

Invited lectures

Numerous talks given in national and international institutes, workshops schools and conferences.

Publications

Author of about 200 original scientific publications on refereed Journals.

An almost complete list of publications can easily obtained from the following link (ResearcherID personal page):

<http://www.researcherid.com/rid/M-3447-2015>

ORCID: <http://orcid.org/0000-0002-9040-1566>

Presently (source Web of Science):

Number of citation : 5900

h-index : 37