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Università di Torino
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EDUCATION

PhD in Physics, University of Turin, 1986 - 1989

ACADEMIC POSITIONS AND HABILITATIONS

Research Associate, University College of London, Department of Physics and Astronomy — 1988 - 1990

Researcher, University of Turin, Physics Department — 1990 - 2006

Associate Professor, University of Turin, Physics Department — 2006 -

National Scientific Habilitation (ASN) for a position of Full Professor in Theoretical Physics of Fundamental Interactions — 2012-2018

National Scientific Habilitation (ASN) for a position of Full Professor in Theoretical Physics of Fundamental Interactions — 2018-2031

ADJOINT AND VISITING POSITIONS

Visiting Professor at the Laboratoire de Physique des 2 infinis Irène Joliot-Curie IJCLab - CNRS / Université Paris-Saclay — 2021-2023

Visiting Professor at CEA/DRF/Irfu, Saclay on the project "NENUS: Neutrino-Nucleus Scattering, a theory/experiment collaboration" — 2018.

Visiting Professor of the Atomic, Molecular and Nuclear Physics Department of University of Seville — 2002.

Regular short visits to the MIT Center for Theoretical Physics within the "Bruno Rossi" exchange program" 1995 - 2000.

TEACHING

I am presently teaching the following courses at University of Turin: Analytical and Statistical Mechanics (Degree in Physics), Nuclear physics at low and high temperatures (Master Degree in Physics), Advanced Nuclear Physics (Phd in Physics), Mechanics (Degree in Mathematics).

RESEARCH

I work in the field of nuclear and many-body theoretical physics. My current research is mainly devoted to the study of electroweak interactions in nuclei, in particular on the construction of nuclear models for neutrino-nucleus scattering. The research involves several international collaborations and is strictly connected with the construction and improvement of event generators for future neutrino oscillation experiments at FermiLab and JPARC.

PUBLICATIONS

I am author of about 170 articles on international scientific journals:

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