

Simonetta Gentile

Full Professor of Experimental Physics

1974 She graduated in Physics at the University of Rome , La Sapienza (Full marks and honours) .

1975-1981 Fellow at the University of Rome, La Sapienza.

1978 Graduate from the School of Specialization in Physics (Nucleare Physics), University of Rome 50/50 cum laude with a thesis entitled: *The particle detection short average life with a neutrino beam from FNAL.*

1980-82 Fellow of two-year duration of the CERN (European Organization for Nuclear Research) in the Division of Experimental Physics .

1981-88 Researcher at the University of Rome La Sapienza, Physics Dipartimento.

1988-92 Associate Professor of Experimental Physics, University of Calabria.

1991-92 *Visiting Scientist* CERN (European Organization for Nuclear Research), Division of Experimental Physics.

1992-2011 Associate Professor of Experimental Physics, University of Rome, La Sapienza.

1999-2000 *Visiting Scientist* at CERN, Division of Experimental Physics .

2010 Follini a competitive election, achieved full professorship in Experimental Physics.

2011 - present Full professor of Experimental Physics, at the University of Rome, Sapienza .

RESEARCH FIELD

Experimental physics of elementary particles

Research lines :

- Studies on the Standard Model (neutrino physics . Functions structure nucleons . Properties of intermediate bosons Z and W. search of Higgs bosons)
- Trigger and detectors mu mesons .

Present Research Activity

- ATLAS Collaboration for the study of pp interactions at the LHC (CERN)
- Research and development for particle detectors for future Accelerators.

Past Research Activity

- Search of charmed particles in neutrino interactions at Fermilab.
It was discovered the first example of the decay of particles with charm
- Fotodsintegrazione deuterium (LNF)
- Collaboration LEBC , search of particles with charm in hadronic interactions (CERN)
- Collaboration L3 for the study of $e^+ e^-$ interactions at LEP (CERN)
- AMS Collaboration : Space Physics : Alpha Magnetic Spectrometer (AMS)
in International Space Station, in collaboration with NASA .

PUBLICATIONS

Bibliometric indices . More than 770 published works , with a number of citations than 52000 h -index 94 (source INSPIRE)

PRESENTATION TO CONGRESS

More than thirty presentations at international conferences,
Large numerous invited presentations in plenary sessions and chair of the conferences of the European Physics Society.

