

Short Curriculum vitae et studiorum of Prof. Rita Bernabei

> PERSONAL DETAILS AND EDUCATION:

Rita Bernabei was born in Rome on February 06 1949; she doctorated in Physics in 1973 with 110/110 at the University of Rome La Sapienza and doctorated with honors in Mathematics in 1977 at the same University

> CURRENT ACADEMIC POSITION:

Full Professor of Nuclear and Subnuclear Physics (FIS04) at the University of Rome Tor Vergata

> TRAINING AND PREVIOUS POST-GRADUATE POSITIONS:

- In the period 1974 -1975 benefits from a CNR (National Council of Research) fellowship at the University of Roma La Sapienza
- In the period 1975 - 1980 benefits from a M.P.I. (Ministry of Public Instruction) fellowship at the University of Roma La Sapienza
- In 1980 she won the competition for the permanent position of Assistant Professor in General Physics at the University of Roma La Sapienza, and operated in that role until 1983
- In 1983 she won the competition for the permanent position of Associate Professor in Experimental Physics at the University of Roma La Sapienza , and operates in that role until November 1986
- In November 1986 - having gained a specific competition – she moved to the University of Roma Tor Vergata - and operated in that role until she won the competition for the position of Full Professor of Nuclear and Subnuclear Physics.
- since 2007 she is permanent Full Professor of Nuclear and Subnuclear Physics at the University of Rome Tor Vergata

> SOME PROFESSIONAL POSITIONS:

Member of:

- the 5th National Scientific Committee of the INFN during six years
- the Academic Board of the Post-graduate School in Health Physics in the University of Rome Tor Vergata for many academic years (A.A.)
- the Academic Board of the Doctoral School in "Physics" in the University of Rome Tor Vergata for many A.A.
- the Italian Physical Society
- the National Institute for Nuclear Physics Research as associate researcher
- the National Commission for the confirmation in the role of university researchers in the FIS04 sector (Nuclear and Subnuclear Physics) for three years and then again for other two years
- the Rome Tor Vergata University discipline Committee for some years
The committee for didactic organization in the Physics Department of the Rome Tor Vergata University in several A.A.

> FINANCING ACTIVITIES FOR RESEARCH:

- scientific coordinator of national and international projects with INFN, University (60%) and M.A.E. funds
- Proponent and member of inter-university agreements with foreign universities

> SCIENTIFIC AWARDS and recognitions:

- Scientific industriousness Prize (ex aequo) of S.I.F. in 1979

- Component of the organization of many international workshops and parallel sessions at international conferences
- Member of many International Scientific Committees of international conferences and workshops.
- Referee of many international scientific reviews
- Member of the editorial board of the International Journal of Modern Physics A and of Modern Physics Letters A

> TEACHING ACTIVITIES:

She has carried out a large teaching activities (see <http://people.roma2.infn.it/bernabei/>) and she has been rapporteur of many dissertations also for PhD in Physics (established in Italy only in the eighty's, after a first simplifying reform of the content of the courses).

> SCIENTIFIC ACTIVITY :

Her scientific activities are focused mainly on topics of nuclear and elementary particles physics; in particular, in the late '80s she was among those who in Italy have initiated experimental activities in the field of so-called Astroparticle Physics, now in strong expansion. Experiments, she has contributed in, have had international impact.

Her main scientific activity were carried out:

- 1) at the National Laboratories of Frascati of the INFN (M.E.A. experiment at ADONE e+e-collider in the period 1975-77 and LADON experiment with polarized photons in the period 1982-88)
- 2) at the CERN (UA1 experiment at the proton-antiproton collider in the period 1978-82)
- 3) at the Gran Sasso National Laboratory of INFN (GALLEX experiment on solar neutrinos in the period 1985-1997; GNO experiment on solar neutrinos in 1997-2005; since 1990 to date DAMA project on Dark Matter and rare processes).
- 4) some other experimental activities were also carried out at the departments and INFN sections where she operated;
- 5) she has also carried out a large activity on the development of detectors and devices with innovative features, within her various research activities and in the XELIDON experiment (INFN-CSN5).

She is co-author of over 350 publications and of some didactic books and editor of some dedicated issues and of two books of proceedings.

> OBJECTIVE PARAMETERS:

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