

Curriculum Vitae of Angela Bracco



Personal Data : born 24-09-1955 in Lecco (Italy).

Present work address: Dipartimento di Fisica, Università di Milano, via Celoria,16
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Scientific degrees : Laurea (Master) in Physics (1979, Università degli Studi di Milano)
Ph.D. in Physics (1983, Canada, TRIUMF laboratory at UBC and U.of. Manitoba)

Current academic position : Full professor of Physics at the University of Milano (since 2002)
Teaching the courses : Introductory Nuclear and Particle Physics and Gamma Spectroscopy Laboratory.

Research activity : The present research activity is in experiments in the field of nuclear structure. In Milano she is coordinating the activity of a group working in experimental nuclear structure with gamma spectroscopy. The research work concerns the experimental investigations with stable and radioactive beams of nuclei at extreme conditions of temperature, spin and angular momentum. The relevant contributions given in this field concern the understanding of nuclear structure at finite temperature via collective excitations (vibration and rotations). Substantial and original contributions were given for the problem of the damping of giant resonances at finite temperature and of dipole resonance in exotic nuclei. She has been the spokesperson of several experiments conducted at the laboratories LNL, IRES and GANIL (Francia), GSI, ANL(Chicago), Stony-Brook (New York). She was member of the International Steering Committee of the large detector arrays EUROBALL (LNL and Strasburg), RISING (a GSI) and presently in AGATA.

Publications and Conferences She is coauthor of more than 170 papers on scientific journals and more than 100 papers on proceeding volumes. In addition she has written (with two other authors) a book "Giant Resonances: Nuclear structure at finite temperature" belonging to the series "Contemporary Concepts in Physics" Referee of several papers in different scientific journals. She has organized 2 conferences and she has been member of the Advisory Committees of several International Conferences. She has given more than 60 talks at international conferences

Teaching and scientific guidance Several years of undergraduate and graduate teaching in physics (starting from 1984) , including electromagnetism and optics, Introductory nuclear and particle physics and Laboratory for gamma spectroscopy. Advisor of 27 Master Theses and of 11 Ph. D. Theses. Acting as examiner for several Ph. D thesis discussions in Universities in Italy and in Europe.

Responsibilities Boards and committees

- Chair of the Nuclear Physics Board of INFN (CSN3) from 2005- to present
- member of NuPECC from 2007-
- member of the governing board of NupNet (ERANET for Nuclear Physics financed within the FP7) from 2008-
- Member of the panel Review of the Helmholtz Programme "Physics of Hadrons and Nuclei" (GSI, February 2009)
- Member of the Panel Review of the Helmholtz Institute Mainz "Structure, Symmetry and Stability of Matter and Antimatter" (Mainz, April 2009)
- member of the "Working Group of OECD (Global Science Forum Organization for Economic Cooperation and development) on Nuclear Physics (2006-2007)
- Member of the Scientific Committee of the laboratory GANIL (France) (from 2007-)
- Member of the Scientific Committee of laboratory RIKEN (Japan) (from 2008-)
- Member of the Scientific Review International Committee of the INFN

LNL and LNS laboratories (2004- march 2008)

- Member of the Steering Committee of AGATA (from 2009-...)
- Member of the Steering Committee of the RISING collaboration at GSI from 2002 to 2005 (gamma spectroscopy with radioactive beams at GSI).
- Member of the scientific Advisory Committee (SAC) of SPIRAL2 (from 2003 to 2005)
- Member of the Program Advisory Committee of the Laboratory “ National Accel.Center of Cape Town “ (from 2000 to 2002)
- Member of the Program Advisory Committee of the CNRS Laboratory IRES in Strasburg (from 1998 to 2002)
- Member of the Steering Committee of EUROBALL (Large European Collaboration for gamma spectroscopy) (from 1996 to 1999)

Evaluation activity

- Member of the Evaluator Panel, FP6, European Commission, Capacities Evaluation of proposals in 2003
- Member of the Evaluator Panel, FP6, European Commission, Capacities Evaluation of proposals in 2004
- Member of the Physics Panel, Human Potential Programme, FP6, European Commission. Evaluation of proposals for Research and Training Networks in 2005, Marie Curie fellows.
- Evaluator of proposals for the English “Engineering and Phys. Sciences Research Council ”.
- Chair and member of several committees for selection and promotion of personnels of INFN and Italian Universities.

Stays abroad

Visitor Scientist at TRIUMF (1984); at Oak Ridge National Laboratory (in 1985 and in 1986); at the Niel Bohr Institute (Copenhagen) for several periods of 2 to 3 months from 1987 to 2003.