

CURRICULUM VITAE  
of ALESSANDRO MONTANARI

- Senior Researcher of I.N.F.N., Sezione di Bologna.
- Eligible to the role of Full Professor in the field of Experimental Physics and Fundamental Interactions, according to the 2012 National selection.
- Member of the Scientific National Committee, managing all INFN activities on technology research on detectors, accelerators and their applications.
- Referee of many experiments on R&D of particle detectors and their applications.
- Member of the Working Group that studies the rating of INFN activities.

RESEARCH ACTIVITY

- High energy physics with the CERN colliders LEP e LHC, taking part to all phases of the experiment OPAL and CMS that discovered the Higgs boson.
- Application of Nanotechnologies (Carbon Nanotubes and Nanowires) to particle detectors.
- Organic plastic scintillators and their applications for the detection of ionizing radiation.
- New generation of photon detectors (Silicon Photo Multipliers - SiPM) and their applications.
- Co-inventor of a patented detector based on plastic scintillator used as in-vivo and real-time dosimeter in Intra Operatory Radio Therapy (IORT).

TEACHING ACTIVITY

- Supervisor of 11 Bachelor degree theses.
- Supervisor of 10 Master theses.
- Supervisor of 2 PhD theses.

SCIENTIFIC PRODUCTION

- 876 publications (from ISI/Web of Science)
- Citations: 27381
- h-index (from ISI): 73

16 May 2017

Alessandro Montanari