

## Stefano GIULINI CASTIGLIONI AGOSTEO – short CV

Stefano Giulini Castiglioni Agosteo is a full professor in the field of Nuclear Measurements and Instrumentation at the Politecnico di Milano. Since 1992 he has been collaborating with the TERA program for constructing a hadrontherapy centre in Italy, presently operating in Pavia (CNAO). He has been involved mainly in the radiation protection aspects of the hadrontherapy centre and in the design of an accelerator-based neutron source for boron neutron capture therapy (BNCT). Since 1996 S. Agosteo has been collaborating with the radiation protection group of CERN. In the period 1996-2000, this collaboration aimed at measuring the neutron spectra in the SPS experimental halls and the neutron yield from targets of different materials bombarded by protons and lead ion beams with momenta higher than 40 GeV/c. Other topics in the framework of this collaboration were: the calculation of attenuation curves in concrete of secondary radiation from high and intermediate energy charged hadrons on targets of various materials; the characterization of high-energy neutron detectors. His research interests are also focussed on radiation dosimetry, microdosimetry and neutron spectrometry. In particular, the research in the field of microdosimetry is addressed to the assessment of radiation quality of hadrontherapy fields. He was responsible (at the local and/or national level) for several research programs of the INFN in the field of BNCT, neutron spectrometry with silicon detectors, silicon microdosimetry and microdosimetry at the nanometric level. Presently he is the local responsible (INFN-MI) for the INFN NIRVANA (Nuovi Rivelatori per Nanodosimetria) project, aiming at studying new detectors for nanodosimetry.. He is a full member of the Working Group 6 “Computational Dosimetry” of the EURADOS, the European Radiation Dosimetry Group. He acted as the scientist in charge for the Politecnico di Milano of the ARDENT ITN Marie Curie project, funded by the EU under contract PITN-GA-2011-289198-ARDENT. In the period 2010-2017 he acted as the Chairman of the MSc Course in Nuclear Engineering of the Politecnico di Milano. He is a member of the PhD Council in Energy and Nuclear Science and Technology of the Politecnico di Milano. He is a corresponding member of the Istituto Lombardo Accademia di Scienze e Lettere. He is a member of the Editorial Board of Radiation Measurements and he acts as a reviewer for several international journals.

## PUBLICATIONS

### *International journals*

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