Brief curriculum vitae of Massimo Nocente

Personal data

Name and surname: Massimo Nocente ███████ ██ ████████

Education

2006 - Bachelor Degree in Physics, University of Milano-Bicocca - final score: 110/110 cum laude
2008 – Master Degree in Physics, University of Milano-Bicocca – final score: 110/110 cum laude
2012 – PhD in Physics, University of Milano-Bicocca – final mark: Excellent

Work experience

1/1/2012 – 31/1/2013 – PostDoctoral Fellow, Dept. of Physics, University of Milano-Bicocca
1/2/2013 – 30/09/2016 - Research Associate, Dept. of Physics, University of Milano-Bicocca
1/10/2016 – 30/09/2019 – Assistant Professor, Dep. of Physics, University of Milano-Bicocca
1/10/2019 – today – Associate Professor, Dep. Of Physics, University of Milano-Bicocca

Teaching responsibilities

Course responsible person of "Plasma physics 2" (introductory plasma physics course for 1st year master students in Physics) since the a.a. 2013/2014; Course responsible person of "Physics 2" (second year physics course for students in Chemistry) since the a.a. 2017/2018. Teaching assistant of "Physics 2" (first course on electromagnetism for 2nd year bachelor students in Physics) a.a. 2013/2014 to a.a. 2016/2017. Teaching assistant of "Physics 2" (second year physics course for students in Chemistry), a.a. 2016/2017. Teaching assistant of "General Physics" (first course on Physics for 1st year bachelor students in Environmental Sciences) a.a. 2011/2012

Brief description of research activity

The research activity of MN is in the field of neutron and gamma-ray spectroscopy for fusion plasmas, with focus on the physics of energetic ions and electrons in major tokamak experiments in Europe, China and the USA, such as JET (Culham, UK), ASDEX-Upgrade (Garching, Germany), EAST (Hefei, China), DIII-D (San Diego, USA). MN has developed both novel instrumentation for neutron and gamma-ray spectroscopy in fusion plasmas and modelling codes to unravel the relation between neutron and gamma-ray emission and the underlying distribution function of the fast ions and electrons responsible for such nuclear emission. MN is presently involved in several diagnostic enhancement projects at JET and he is part of the team who is designing gamma-ray diagnostics for ITER, the next step fusion experiment under construction in France. MN coordinates experiments, diagnostic enhancements and modelling efforts on fast ion and electrons physics at JET and mid-size tokamaks worldwide. He also frequently participates in experiments on the physics of fast ions and electrons, by contributing especially with nuclear radiation measurements and their interpretation. Since June 2016 and October 2017 he has been admitted in the group of international experts of the International Tokamak Physics Activity on Energetic Particle Physics and Diagnostics for the ITER tokamak, respectively. The research activity of MN is documented by more than 100 publications on major refereed journals on the subjects of plasma physics (Nuclear Fusion, Plasma Physics and Controlled Fusion, Physical Review Letters, Nature Physics) and nuclear radiation measurements and instrumentation (Review of Scientific Instruments, Nuclear Instruments and Methods in Physics Research A, Journal of Instrumentation, IEEE Transactions on Nuclear Science). The H index of MN is 30 (source: ISI Web of Science).

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