

Jelena Luetić

Personal

Address	Supilova 7, 10000 Zagreb, Croatia
Date of Birth	April 5, 1987
Citizenship	Croatian
Phone	+385 91 1480103
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Languages	English, basic Italian and French, Croatian - native

Education

2011 -	PhD , Faculty of Science, Physics department <i>Title:</i> Measurement of the cross section for associated production of a W boson and two b quarks with the CMS detector at the Large Hadron Collider <i>Advisor:</i> Prof. Vuko Brigljević, thesis defence is scheduled for July, 15th 2015.
2005 - 2010	MSc , Faculty of Science, Physics department <i>Title:</i> Measurement of Z boson cross section in proton-proton collisions with CMS detector at Large Hadron Collider <i>Advisor:</i> Prof. Ivica Puljak, thesis defended on November, 30th 2010.

Professional experience

Since 2010 I've been a part of the CMS group at Ruđer Bošković Institute, working on gauge boson produced in association with jets measurements and on technical aspects of CMS detector:

- One of the main contributors to Wbb cross section measurement at $\sqrt{s} = 8$ TeV. Collaboration with University of Wisconsin-Madison, University of Trieste and CERN.
- Responsible for Lorentz angle monitoring and calibration for CMS Pixel detector.
- Responsible for development and maintenance of technical tools used in the offline analysis shared with other members of CMS Pixel group.

- Participated in pixel detector recommissioning during the long shutdown.
- Participated in CMS Pixel Operations

During 2012 and 2013 I participated in several

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Teaching

2011 - 2015	Faculty of Science, Zagreb, Croatia Teaching assistant in 2 courses - <i>Introductory laboratory exercises</i> (2011.- 2012.) and <i>Programming in C</i> (2011.-2015.)
2010 - 2011	Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture in Split, Croatia Teaching assistant - <i>Laboratory exercises in Modern physics</i>

Schools and Conferences

2009	CERN Summer Student Programme, Geneva, Switzerland
2010	CERN School of Computing, London, UK
2011	CMSDAS - Data analysis school, Pisa, Italy
2012	Silicon Detector Workshop, Split, Croatia <i>Talk:</i> Lorentz angle measurement in CMS Pixel detector
2013	EDIT - Excellence in Detectors, Tsukuba, Japan <i>Poster:</i> CMS Pixel detector and Lorentz angle determination
2014	Fermilab - CERN Hadron Collider School, Fermilab, USA

Computer skills

- Computer languages: C, C++, Fortran, Python
- Software: ROOT, Mathematica, LabView

Other

Participation in various physics and science outreach programs:

- Organization of International Masterclasses: lectures and laboratory exercises for high school students covering various topics in high energy physics.

- Participated in several science fairs for general public demonstrating experiments.

Publications