

Dr Mila Pandurovic
Associate research professor

Curriculum vitae

Leadership roles/ participation in the scientific collaborations

- 2021- Leader of the Vinca Institute in XLZD Consortium
- 2020 - 2021 Chair of Scientific Council of the Vinca Institute of Nuclear Sciences
- 2019 - Leader of the Vinca Institute in the DARWIN Collaboration
- 2017- Collaboration with Chinese Academy of Sciences, Beijing, China
- 2016 - 2019 Leader of the subgroup “Higgs physics at future e^+e^- linear colliders”
- 2013 - 2019 Team deputy of the Vinca Institute in CLICdp collaboration, CERN.
- 2016 - 2019 Member of ILD collaboration, Japan
- 2013 - 2019 Member of CLICdp collaboration at CERN.
- 2006 - 2019 Member of FCAL collaboration at CERN.
- 2006 - 2019 Member of H1 Collaboration, Deutsches Elektronen-Synchrotron (DESY), Hamburg, Germany.
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Work experience

- 2018 Visiting Scientist, Tohoku University, Sendai Japan
- 2017 Research Associate professor, Vinca Institute
- 2017 Visiting Scientist, Institute of High energy Physics, Chinese Academy of Sciences.
- 2017 Visiting Scientist, Tohoku University, Sendai Japan
- 2017 Visiting Scientist, Institute of High energy Physics, Chinese Academy of Sciences.
- 2011-2017 Research associate, Vinca Institute

- 2006-2012 Visiting Scientist, Deutsches Elektronen-Synchrotron (DESY), Hamburg, Germany.
- 2006-2011 Research assistant, Vinca Institute
- 1997-2002 Junior research assistant
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Research interests

- 2019 - Physics Beyond the Standard model at non-collider experiments
- 2019 - Physics Beyond the Standard model at colliders
- 2013 - Higgs boson physics at electron positron colliders
- 2006 - 2011 Luminosity measurement at International Linear Collider, ILC, Japan
- 2006 - 2011 Measurement of the proton b content at the H1 experiment, Deutsches
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Education

- 2006-2011 PhD in particle physics, Faculty of physics, University of Belgrade.
Thesis: "Physics background in luminosity measurement at ILC and measurement of the proton b-content at H1 using multivariate method".
FCAL and H1 collaboration; DESY-THESIS-2011-045
- 1997-2003 MSc thesis program - Physics of the particles and nuclei,
Faculty of physics, University of Belgrade.
Master thesis: "Measurement of the cross-section of $(n,n'\gamma)$ reactions on natural lead, at the energies 0-7 MeV using in-beam gamma-ray spectroscopy" (translation of the title from Serbian).
- 1995-1996 Differential exams for admission into MSc program
Physics of the particles and nuclei, Theory division
Faculty of physics, University of Belgrade.

- Quantum mechanics (for theorists), Theoretical classical mechanics, Electrodynamics
- 1988-1994 Faculty of electrical engineering, University of Belgrade, Serbia.
In parallel (1993-1994) study of Astrophysics at Faculty of physics, University of Belgrade.
- 1985-1987 “Mathematical Grammar School”, School of National interest for the Republic of Serbia Belgrade, Serbia.
- 1985-1986 Lisgar Collegiate Institute, Ottawa, Ontario, Canada.

Personal

- Born: 19.01.1970, New York, US.
- 1998-2005 mother of three children

Selected list of invited lectures/talks on the renowned world universities/institutes

1. IV International Conference on Particle Physics and Astrophysics, Moscow, Russia, 22-26 October 2018, (on behalf of the CLICdp Collaboration)
["Overview of the Compact Linear Collider \(CLIC\) project"](#)
2. 4th CEPC workshop 27-29 June 2018, Institute of High energy physics, IHEP, Beijing, China (invited) ["Higgs decay to electroweak bosons WW/ZZ at 250 GeV CEPC"](#)
3. Physics colloquia and seminars, Voltaian Lectures, University of Pavia, Italy, March 2018 (invited) ["Linear colliders - the Higgs boson microscope"](#)
4. Graduate program on Physics of the Universe, lecture, Tohoku University, Japan, February 2018, (invited) ["The analysis methods in particle physics"](#)
5. Graduate program on Physics of the Universe, lecture, Tohoku University, Japan, September 2017 (invited) ["Higgs physics at linear colliders"](#)
6. The XIII International School-Conference “The Actual Problems of Microworld Physics”, Gomel, Belarus, July 27 to August 7, 2015. (on behalf of the CLICdp Collaboration) ["Precision Higgs Physics at CLIC "](#)

Selected list of talks on the renowned world conferences

1. Linear Collider Workshop, LCWS18, University of Texas, Arlington, USA, 22-26 October 2018. ["Higgs decay to WW* in Higgsstrahlung at 250 GeV"](#)
2. Linear Collider Workshop, LCWS16, Iwate University, Morioka, Japan, 5-9 December 2016. ["Measurement of the H->WW* decay at 3 TeV CLIC/500 GeV ILC"](#)

3. New Trends in High Energy Physics, Budva, Montenegro, 2 - 8 October, 2016,
(on behalf of the CLICdp Collaboration) ["The CLIC physics potential"](#)
4. Compact Linear Collider Workshop, CERN, Geneva, 25-30 January 2015,
["Measurement of \$H \rightarrow WW^*\$ in Higgsstrahlung events at 350 GeV"](#)
5. Linear Collider Workshop, LCWS14, Belgrade, Serbia, 6-10 October 2014,
["Higgs decay to \$WW^*\$ in Higgsstrahlung at 250 GeV"](#)