

Pavel Fileviez Perez

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Current Positions

Since 2016 Assistant Professor of Physics
Department of Physics, Case Western Reserve University, Cleveland, Ohio, USA.

Previous Positions

- 2012 - 2015 Visiting Associate, Division of Physics, Mathematics and Astronomy,
California Institute of Technology (Caltech), USA.
- 2012 - 2016 Associate Scientist, Particle and Astro-Particle Physics Division
Max Planck Institute for Nuclear Physics. Heidelberg, Germany.
- 2015 Habilitation at Heidelberg University, Germany.
- 2011 - 2012 James Arthur Fellow, Center for Cosmology and Particle Physics (CCPP),
New York University, USA.
- 2007 - 2011 Dirac Fellow, Research Associate, Assistant Scientist
Department of Physics, University of Wisconsin-Madison, WI, USA.
- 2005 - 2007 Research Associate, Center for Theoretical Particle Physics (CFTP),
Instituto Superior Tecnico, Lisbon, Portugal.
- 2004 - 2005 Fondecyt Fellow and Lecturer, Pontificia Universidad Catolica de Chile, Chile.

Education

- 2003 Ph.D. in Theoretical Physics, Max Planck Institute for Physics
(Werner-Heisenberg-Institute), Munich, Germany
Thesis: Phenomenological Aspects of Supersymmetric Gauge Theories
Advisors: Prof. M. Drees and Prof. G. Senjanovic
- 2000 M.S. in High Energy Physics
International Centre for Theoretical Physics (ICTP), Trieste, Italy.
- 1998 B.S. in Nuclear Physics, Summa Cum Laude,
Institute for Nuclear Sciences and Technology, Havana, Cuba.

Research Interests

- Particle Physics and Cosmology
- New ideas for physics beyond the Standard Model.
- New Physics at the Large Hadron Collider.

Awards, Honors and Services

- Chairman of the 24th International Symposium on Particles, Strings and Cosmology (PASCOS2018), Cleveland, USA.
- Chairman of the 2017 International Workshop on Lepton and Baryon Number Violation (BLV2017), Cleveland, USA.
- Chairman of the 2015 International Workshop on Lepton and Baryon Number Violation (BLV2015), University of Massachusetts- Amherst, USA.
- James Arthur Fellowship, Center for Cosmology and Particle Physics (CCPP), New York University, 2011-2012.
- Dirac Fellowship, Phenomenology Institute, University of Wisconsin-Madison, 2010.
- Chairman of the 2013 Workshop on Lepton and Baryon Number Violation (BLV2013), MPIK, Heidelberg, Germany.

- Chairman of the 2011 Workshop on Lepton and Baryon Number Violation (BLV2011), Great Smoky Mountains, UTK, USA.
- National Science Foundation, Referee for the GRF National Program, Panel Review, Washington DC, USA, 2011.
- National Science Foundation, Referee for the GRF National Program, Panel Review, Washington DC, USA, 2010.
- Chairman of the 2009 Workshop on Lepton and Baryon Number Violation (BLV09), Madison, WI, USA.
- Chairman, Model Building Session, Supersymmetry 2009, Northeastern Univ., Boston.
- Referee for Physical Review Letters, Journal of High Energy Physics (JHEP), Physics Letters B, Physical Review D, and European Physics Letters.
- Max Planck Society Fellowship, Max Planck Institute for Physics, Munich, Germany, 2000-2003.
- UNESCO-ICTP Fellowship, ICTP Diploma Course in High Energy Physics, Trieste, Italy, 1999.

Current Grants

US Department of Energy, DOE Grant: [no.de-sc0018005](#): New Theories for Physics beyond the Standard Model.

Scientific Publications

More than **80** publications in Particle Physics and Cosmology

For the complete list of publications from INSPIRE click [here](#)

Teaching Experience

Gauge Field Theory ([PHYS 591](#)), Case Western Reserve University, Fall 2018.

Quantum Mechanics II ([PHYS 482](#)), Case Western Reserve University, Spring 2018.

The Standard Model of Particle Physics, Case Western Reserve University, Fall 2016.

The Standard Model of Particle Physics at Heidelberg University, Summer 2015.

<https://uebungen.physik.uni-heidelberg.de/vorlesung/20151/smpp>

The Standard Model of Particle Physics at Heidelberg University, Summer 2014.

<https://uebungen.physik.uni-heidelberg.de/vorlesung/20141/smpp>

Lectures on Physics beyond the Standard Model and Grand Unified Theories
Department of Physics, IST-Lisbon, 2007.

Mechanics, PUC, Chile, Department of Physics, 2004-2005.