

Biographical Sketch: Ivan K. Furic

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Education:

- 2004, Ph.D. Physics, Massachusetts Institute of Technology, Cambridge, MA, USA Thesis: “Measurement of the Ratio of Branching Fractions $BR(B_s^0 \rightarrow D_s^- \pi^+)/BR(B_0 \rightarrow D^- \pi^+)$ at CDF-II” (thesis advisor Ch. Paus)
- 1998, B.Sc. Physics, University of Zagreb, Zagreb, Croatia (thesis advisor I. Picek)

Academic Positions:

- 2012-present: Associate Professor, University of Florida
- 2007-2012: Assistant Professor, University of Florida
- 2004-2007: Enrico Fermi Fellow, University of Chicago

Awards:

- 2010: Excellence Award for Assistant Professors, University of Florida

- 2008: Outstanding Junior Investigator Award,
U.S. Department of Energy
- 2008: Sloan Research Fellowship,
Alfred P. Sloan Foundation
- 2007: Young Particle Physicist Prize,
European Physics Society
- 2006: Alvin Tollestrup Award,
Fermi National Accelerator Laboratory
- 2006: Sambamurti Memorial Lecture,
Brookhaven National Laboratory

Recent Research:

- 2008-2017: Maintenance and Operations of the Cathode Strip Chamber (CSC) Track Finder Trigger
- 2010-2017: Phase 1 Upgrade of the Endcap Muon Trigger System [Level-3 Manager in the DOE project]
- 2007-2008: Commissioning of the CSC system

Synergistic Activities:

- 2013-2014 Member, Review Panel,
US-CMS R&D for the Phase 2 Upgrade
- 2011-2017 Chair (elected), USCMS Trigger and DAQ

Institution Board

Selected Publications:

- "Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at $\sqrt{s} = 7$ and 8 TeV"
CMS Collaboration (Vardan Khachatryan et al.)
Eur.Phys.J. C75 (2015) 212
- "A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider"
CMS Collaboration (Serguei Chatrchyan et al.)
Science 338 (2012) 1569-1575
- "Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV and $\sqrt{s}=8$ TeV"
CMS Collaboration (Serguei Chatrchyan et al.)
Phys. Lett. B720 (2013) 63-82
- "Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV"
CMS Collaboration (Serguei Chatrchyan et al.)
Phys. Lett. B714 (2012) 158-179
- "Search for Resonances in the Dilepton Mass Distribution in pp Collisions at $\sqrt{s}=7$ TeV"
CMS Collaboration (Serguei Chatrchyan et al.)
JHEP 1105 (2011) 093
- "Measurement of the charge ratio of atmospheric muons with the CMS detector"
CMS Collaboration (Vardan Khachatryan et al.)
Phys. Lett. B692 (2010) 83-104