

Curriculum Vitae

Andrew W. Askew

askew@hep.fsu.edu

Present Employment:

Florida State University

Associate Professor

CMS Experiment, CERN

Employment History:

Aug. 2015 – Present

Associate Professor, Florida State University

Aug. 2009 – Aug. 2015

Assistant Professor, Florida State University

Sept. 2008 – Aug. 2009

Postdoctoral Fellow, Rutgers University

Jan. 2005 – Sept. 2008

Postdoctoral Fellow, Florida State University

Academic Training:

2004 Ph. D Physics, Rice University, Advisor: Prof. B. Paul Padley

2001 M. S. Physics, Rice University, Advisor: Prof. B. Paul Padley

1999 B. S. Physics, University of Houston, Advisor: Prof. Kwong Lau

Signing all papers on D0 Experiment since 2002.

Signing all papers on CMS Experiment since 2006.

Selected Primary Authorship Publications:

V. Khachatryan *et al.* [CMS Collaboration], “Measurement of the $Z\gamma \rightarrow \nu\nu\gamma$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ trilinear gauge boson couplings,” **Phys. Lett. B** **760**, 448 (2016).

V. Khachatryan *et al.* [CMS Collaboration], “Search for new phenomena in monophoton final state in proton-proton final states at $\sqrt{s} = 8$ TeV,” **Phys. Lett. B** **755**, 102 (2016).

A. Askew *et al.*, “Prospect for measuring the CP phase in the $h\tau\tau$ coupling at the LHC,” **Phys. Rev. D** **91(7)**, 075014 (2015).

V. Khachatryan *et al.* [CMS Collaboration], “Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV,” **Phys. Lett. B** **743**, 503 (2015).

A. Askew *et al.* “Searching for Dark Matter at Hadron Colliders,” *Int. J. Mod. Phys. A* **29**:1430041, 2014.

S. Chatrchyan *et al.* [CMS Collaboration], "Measurement of the production cross section for $Z\gamma \rightarrow \nu\nu\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $ZZ\gamma$ and $Z\gamma\gamma$ triple gauge boson couplings," **JHEP** **1310**, 164 (2013).

S. Chatrchyan *et al.* [CMS Collaboration], "Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV," **JHEP** **1303**, 111 (2013).

S. Chatrchyan *et al.* [CMS Collaboration], "Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV," **Phys. Lett. B** **719**, 42 (2013).

S. Chatrchyan *et al.* [CMS Collaboration] "Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy", **Phys. Rev. Lett.** **108**, 261803 (2012).

S. Chatrchyan *et al.* [CMS Collaboration] "Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy", **Phys. Rev. Lett.** **106**, 218001 (2011).

Selected Activities:

CMS SUSY Photons Subgroup convenor (2015-present)

CMS MET Scanners group leader (2015)

Organizer LPC Physics Forum (2013-2016)

CMS ECAL Editorial board (2014-present)

Photon HATS @ LPC (2013)

2013 Fermilab LHC Physics Center Distinguished Researcher (senior).

CMS Data Analysis School Photon Organizer (starting 2010-2015)

LPC Photon group leader (2009)

D0 Electroweak Physics Group convenor (2006)