

Biographical Sketch for Norbert Neumeister

Norbert Neumeister

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(a) Professional Preparation:

University of Technology Vienna, Austria	M.S.	Physics	1992
University of Technology Vienna, Austria	Ph.D.	Physics	1996

(b) Appointments:

2010 – present: Associate Professor, Purdue University, West Lafayette, IN
2005 – 2010: Assistant Professor, Purdue University, West Lafayette, IN
2002 – 2004: Scientific Associate, CERN
2002 – 2004: Scientific Staff, Inst. for High Energy Physics, Vienna, Austria
1999 – 2001: Research Fellow, CERN
1996 – 1999: Postdoctoral Research Associate, Inst. for High Energy Physics, Vienna, Austria

(c) Publications:

Selected Publications Related to the Proposed Project:

- 1) R. Adolphi *et al.* (CMS Collaboration), *The CMS experiment at the CERN LHC*, JINST 3:S08004 (2008).
- 2) V. Khachatrya *et al.* (CMS Collaboration), *Measurement of the charge ratio of atmospheric muons with the CMS detector*, Phys. Lett. B 692 (2010) 83–104.
- 3) C.Liu, N.Neumeister, *et al.*, *Reconstruction of cosmic and beam-halo muons with the CMS detector*, European Physical Journal C 56 449–460 (2008).
- 4) N. Neumeister, D. Braun, *CMS Grid Submission Portal*, Journal of Physics: Conf. Ser. 219:072012 (2010).
- 5) W. Adam *et al.* (CMS Trigger and Data Acquisition Group), *The CMS high level trigger*, European Physical Journal C, 46:605–667, (2006).

Five Other Significant Publications:

- 1) S. Chatrchyan *et al.* (CMS Collaboration), *Performance of CMS Muon Reconstruction in Cosmic-Ray Events*. JINST 5:T03022 (2010).
- 2) N. Neumeister, *CMS High-Level Triggering*, Nucl. Instr. and Meth. A 462 (2001) 254–258.

- 3) S. Chatrchyan *et al.* (CMS Collaboration), *Commissioning of the CMS High-Level Trigger with cosmic rays*, JINST 5 T03005 (2010).
- 4) V. Khachatryan *et al.* (CMS Collaboration), *Measurements of Inclusive W and Z Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV*. arXiv:1012.2466 (2010).
- 5) P. Abreu *et al.* (DELPHI Collaboration), *J/ψ Production in the Hadronic Decays of the Z*, Phys. Lett. B341 (1994) 109–122.

(d) Synergistic Activities:

- Principal investigator of the US CMS Tier-2 analysis center at Purdue
- Invited lecturer at the CERN School of Computing 2003
- Co-convenor of the CMS Muon Physics Object group 2007
- Co-convenor of the CMS Muon Physics Reconstruction and Selection group (2005-2006)
- Co-convenor of the CMS reconstruction software project (2004 - 2005)
- Frequent reviewer of Nuclear Instruments and Methods in Physics Research, IEEE Transactions on Nuclear Science and Journal of Physics

Awards & Honors:

- Joel Spira Award for Excellence in Undergraduate Education, Physics Department, Purdue University 2008
- Seed for Success Award, Purdue University 2006, 2007, 2009, 2010
- DoE Outstanding Junior Investigator Award in High Energy Physics 2005
- CERN research fellowship (1999-2001)

(e) Collaborators & Other Affiliations:

Collaborators and Co-Editors:

- Member of the CMS collaboration (1993 – present)
- Member of the DELPHI collaboration (1992 – 1999)
- Member of the UA1 collaboration (1991 – 1996)

Graduate and Postdoctoral Advisors: Paris Sphicas (CERN, Univ. Athens)

Thesis Advisor and Postgraduate-Scholar Sponsor (last 5 years): Alexey Svyatkovskiy (Purdue University), Chang Liu (Purdue University), Adam Everett (Purdue University), Hwidong Yoo (Purdue University)