

Brian Page
5227 Witherspoon Way
Holt, MI 48842
(517) 242 - 3267
pagebrian3@gmail.com

EDUCATION

Michigan State University, East Lansing, MI, M.S., Physics, 2008

Grand Valley State University, Allendale, MI, B.S., Physics, 2006

WORK EXPERIENCE

State of Michigan, Department of Technology Management and Budget, Agency Services supporting the Michigan Department of Corrections, March 2015 to September 2017. System Architect. Responsibilities include design, implementation, and support of computer systems used by the Michigan Department of Corrections. Additional responsibilities include web administration, application troubleshooting, and release management.

State of Michigan, Department of Technology Management and Budget. Center for Shared Services supporting MILogin, the centralized identity and access management system for the State of Michigan. September 2017 to present. Responsibilities include application maintenance and performance management. Python scripting and LDAP administration. Also administration of IBM identity management stack, including ISIM, ISAM, ISAM for Mobile, TFIM, DB2, and Security Directory Server.

RESEARCH EXPERIENCE

NOvA, Numi Off-axis Neutrino Appearance experiment. Fermi National Accelerator Laboratory, Batavia, IL. Development of wavelength-shifting fiber scanner for NOvA experiment. Wrote software for motion control and data acquisition system.

ArgoNeuT(T962) liquid argon time projection chamber. Fermi National Accelerator Laboratory, Batavia, IL. Detector simulation and reconstruction software (C++ code). Particular areas of interest: digital signal processing, hit-finding, track-finding, other pattern-recognition software. Data analysis. Design and implementation of DAQ systems. Work on detector installation and commissioning.

SKILLS

- Programming Languages(C/C++, python, bash, JAVA)
- IBM Software Experience(ISAM,ISIM,SDS,DB2)
- Server Administration (Windows and Linux)
- Web Administration (IIS, JBoss, Tomcat, Apache)
- TFS Administration (Release Management, Branching/Merging, Builds)
- Network Design and Diagramming
- Technical Writing and Presentations

PUBLICATIONS

1. **“First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon”**
R. Acciarri *et al.* [ArgoNeuT Collaboration].
arXiv:1408.0598 [hep-ex]

2. **“The detection of back-to-back proton pairs in Charged-Current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam line”**
R. Acciarri *et al.* [ArgoNeuT Collaboration].
arXiv:1405.4261 [nucl-ex]
10.1103/PhysRevD.90.012008
Phys. Rev. D **90**, 012008 (2014)
3. **“Scientific Opportunities with the Long-Baseline Neutrino Experiment”**
C. Adams *et al.* [LBNE Collaboration].
4. **“Measurements of Inclusive Muon Neutrino and Antineutrino Charged Current Differential Cross Sections on Argon in the NuMI Antineutrino Beam”**
R. Acciarri *et al.* [ArgoNeuT Collaboration].
arXiv:1404.4809 [hep-ex]
10.1103/PhysRevD.89.112003
Phys. Rev. D **89**, 112003 (2014)
5. **“The Long-Baseline Neutrino Experiment: Exploring Fundamental Symmetries of the Universe”**
C. Adams *et al.* [LBNE Collaboration].
arXiv:1307.7335 [hep-ex]
6. **“A study of electron recombination using highly ionizing particles in the ArgoNeuT Liquid Argon TPC”**
R. Acciarri *et al.* [ArgoNeuT Collaboration].
arXiv:1306.1712 [physics.ins-det]
10.1088/1748-0221/8/08/P08005
JINST **8**, P08005 (2013)
7. **“The ArgoNeuT Detector in the NuMI Low-Energy beam line at Fermilab”**
C. Anderson, M. Antonello, B. Baller, T. Bolton, C. Bromberg, F. Cavanna, E. Church and D. Edmunds *et al.*
arXiv:1205.6747 [physics.ins-det]
10.1088/1748-0221/7/10/P10019
JINST **7**, P10019 (2012)
8. **“Analysis of a Large Sample of Neutrino-Induced Muons with the ArgoNeuT Detector”**
C. Anderson *et al.* [ArgoNeuT Collaboration].
arXiv:1205.6702 [physics.ins-det]
10.1088/1748-0221/7/10/P10020
JINST **7**, P10020 (2012)
9. **“First Measurements of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon”**
C. Anderson *et al.* [ArgoNeuT Collaboration].
arXiv:1111.0103 [hep-ex]
10.1103/PhysRevLett.108.161802
Phys. Rev. Lett. **108**, 161802 (2012)
10. **“The 2010 Interim Report of the Long-Baseline Neutrino Experiment Collaboration Physics Working Groups”**
T. Akiri *et al.* [LBNE Collaboration].
arXiv:1110.6249 [hep-ex]
11. **“The NOvA Technical Design Report”**
D. S. Ayres *et al.* [NOvA Collaboration].

REFERENCES

Amit Aurora (Current Manager)
IT Manager
State of Michigan, DTMB
517-284-7116
auroraa@michigan.gov

Brian Harns (Former Manager)
IT Manager
State of Michigan, DTMB
(517) 335-2609
harnsb1@michigan.gov

Kelly Raymor (Former Co-Worker)
Business Analyst
State of Michigan, DTMB
(517) 636-5094
raymork@michigan.gov

Dr. Carl Bromberg (Ph.D. Thesis Advisor)
Professor of Physics
Michigan State University
(517) 884-5580
bromberg@pa.msu.edu