

**Andrew John Norman**  
Scientific Computing Division  
Fermi National Accelerator Laboratory  
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## Degrees

College of William and Mary Williamsburg, VA, USA	Ph.D. in Physics	2004
College of William and Mary Williamsburg, VA, USA	M.S in Physics	1998
College of William and Mary Williamsburg, VA, USA	B.S in Physics and Mathematics	1995 <i>High Honors</i>

## Research and Professional Experience

2010–Present	Fermilab Staff Scientist, NOvA experiment	Triggering systems head
2010–Present	Associate Scientist, Fermilab	
2010–2014	NOvA Deputy Level 2 Project Manager	Data Acquisition Hardware
2008–2014	NOvA Level 3 Project Manager	Data Acquisition Integration
2007–2010	NOvA Level 3 Project Manager	Detector Controls
2008–2010	Research Scientist, University of Virginia	NOvA, Mu2e, D0 experiments
2004–2008	Postdoctoral Research Associate, University of Virginia	MiPP, NOvA experiments
1996–2003	Graduate student, College of William and Mary	BNL-E871 BNL-E935
1995–1996	Graduate student, Duke University	Tri-Universities Nuclear Lab

## Publications

*Measurement of Charged Pion Production Yields off the NuMI Target.*  
J.M. Paley et al., Phys.Rev. D90 032001. (2014)

*Synchronization of the 14 kTon NOvA neutrino detector with the Fermilab NuMI beam*  
E.Niner et al., J. Phys.: Conf. Ser. **513** 012028 (2014)

*The NOvA Data Acquisition System.*  
A. Norman, J.Phys.: Conf.Ser. **396** 012035. (2012)

*The NOvA Experiment at FNAL.*  
A.Norman, Nuclear Physics B **217** (2011) 196-198. (2011)

*Forward Neutron Production at Fermilab Main Injector.*  
T.S. Nigmanov et al. (MIPP Collaboration), Phys. Rev. D **83**, 012002 (2011).

*Charged Kaon Mass Measurement using the Cherenkov Effect.*  
N.Graf et al. (MIPP Collaboration), Nulc. Instrum. Meth. **A615**:27-32 (2010).

### **Synergistic Activities**

Member, Fermilab NOvA Collaboration (E929).

Member, Fermilab Mu2e Collaboration (E973).

Member, Fermilab MiPP Collaboration (E906).

Track Convener (Offline Software), Computing in High Energy Physics, 2015

Track Convener (Data Acquisition and Triggering), Computing in High Energy Physics, 2013

WG4 Convener (Muon Physics), Neutrino Factories and Future Neutrino Facilities (NuFact 2014)

WG4 Convener (Muon Physics), Neutrino Factories and Future Neutrino Facilities (NuFact 2013)

### **Collaborators and Co-Editors**

Cooper, J. (FNAL), Dukes, E.C. (U. Virginia), Feldman, G. (Harvard), Goodman, M. (ANL),  
Messier, M. (Indiana U), Meyer, H. (Wichita State), Paley, J. (ANL), Patterson, R. (Caltech),  
Sanchez, M. (Iowa State), Shanahan, P. (FNAL), Vahle, P. (William and Mary),

### **Graduate and Postdoctoral Advisors**

Postdoctoral Advisor: E. Craig Dukes University of Virginia

Graduate Advisors: John Kane, Morton Eckhause, Robert Welsh College of William and Mary