

Adam L. Lyon

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Scientific Computing Division
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◆ Education and Training

University of Chicago Booth School of Business Chicago, IL	Strategic Laboratory Leadership Program	2013–2014
University of Rochester Stationed at Ithaca, NY	Postdoctoral Research Associate	1997–2002
University of Maryland College Park, MD	Physics	Ph.D. 1997 M.S. 1995
North Carolina State University Raleigh, NC	Physics	B.S. 1991 <i>Valedictorian</i>

◆ Professional Experience

2016–Present	Muon $g-2$ Collaboration, Computing Liaison
2014–Present	Senior Scientist, Fermilab
2014–Present	Scientific Computing Division, Associate Division Head for Systems for Scientific Applications
2012–2014	Scientific Computing Division, Head of Scientific Data Processing Department
2011–2016	Muon $g-2$ Collaboration, Head of Offline Software and Simulation
2007–2014	Scientist I, Fermilab
2006–2011	Convener of D0 Electroweak Diboson Physics Group
2005–2011	Scientific Computing Division, SAMGrid Project Manager
2002–Present	D0 Collaboration member
2002–2007	Associate Scientist, Fermilab
1997–2002	University of Rochester Postdoctoral Research Associate on the CLEO Experiment at Cornell University
1991–1997	University of Maryland Graduate Student on the D0 Experiment at Fermilab Thesis: <i>A Search for Squarks and Gluinos Using the Jets and Missing Energy Signature at $D\bar{0}$</i>

◆ Selected Publications

A Roadmap for HEP Software and Computing R&D for the 2020s

J. Albrecht *et al.* (The HEP Software Foundation), *Comput. Softw. Big Sci.* **3**, 7 (2019) [\[link\]](#)

Muon g-2 Technical Design Report

J. Grange *et al.* (E989 Collaboration), arXiv:1501.06858 (2015) [\[link\]](#)

Limits on Anomalous Trilinear Gauge Boson Couplings from WW, WZ, and W γ Production in Proton-Antiproton Collisions at $\sqrt{s} = 1.96$ TeV

V.M. Abazov *et al.* (D0 Collaboration), *Phys. Lett. B* **718**, 451 (2012) [\[link\]](#)

W γ production and Limits on Anomalous WW γ Couplings in Proton-Antiproton Collisions at $\sqrt{s} = 1.96$ TeV

V.M. Abazov *et al.* (D0 Collaboration), *Phys. Rev. Lett.* **107**, 241803 (2011) [\[link\]](#)

First Study of the Radiation Amplitude Zero in W γ Production and Limits on Anomalous WW γ Couplings at $\sqrt{s} = 1.96$ TeV

V.M. Abazov *et al.* (D0 Collaboration), *Phys. Rev. Lett.* **100**, 241805 (2008) [\[link\]](#)

Bounds on CP Asymmetry in $b \rightarrow s\gamma$ Decays

T. Coan *et al.* (CLEO Collaboration), *Phys. Rev. Lett.* **86**, 5661 (2001) [\[link\]](#)

Bounds on CP Asymmetry in Like-sign Dileptons from B^0 anti- B^0 Meson Decays

D. Jaffe *et al.* (CLEO Collaboration), *Phys. Rev. Lett.* **86**, 5000 (2001) [\[link\]](#)

Search for Squarks and Gluinos in Events Containing Jets and a Large Imbalance in Transverse Energy

B. Abbott *et al.* (D0 Collaboration), *Phys. Rev. Lett.* **83**, 4937 (1999) [\[link\]](#)

◆ Synergistic Activities

Towards a Quantum Computing Science Center at Fermilab, FNAL-LDRD-2018-025

◆ Collaborators within the past 48 months

Robert Ross (ANL), Salman Habib (ANL), James Kowalkowski (FNAL), Andrew Norman (FNAL), Panagiotis Spentouris (FNAL)

◆ Advisors

Prof. Nicholas J. Hadley (University of Maryland)

◆ Postdoctoral Sponsor

Prof. Edward H. Thorndike (University of Rochester)

◆ Postdoctoral Advisees

James Stapleton (FNAL/Muon g-2)