

# Loreto Peter Alonzi III

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## Professional Experience

- Open Data Lab Project Manager and Data Scientist, School of Data Science, University of Virginia, 2018-present
- Senior Research Data Scientist, Research Data Services, University Library, 2014-2018
- Postdoctoral Research Associate, University of Washington, Department of Physics, Center for Experimental Physics and Astrophysics, 2012-2014

## Education

- Ph.D. Physics, *University of Virginia*, 2012.
- M.A. Physics, *University of Virginia*, 2007.
- B.S. Physics with Honors et Magna cum Laude, *The College of William and Mary in Virginia*, 2005.

## Funded Grant Proposals as PI/Co-PI

- Wigner Imaging (2019) \$50,000
  - (PI) S.Liuti; (Co-PIs): **L.P.Alonzi**, M.Burkhardt, D.Keller, O.Pfister
  - Southeastern Universities Research Association, Inc. Grant Agreement No. C2019-FEMT-002-04

## Selected Publications

### *Journal Articles*

- D. Blyth, et al. "First Observation of P-odd  $\gamma$  Asymmetry in Polarized Neutron Capture on Hydrogen" (NPDGamma Collaboration) Phys. Rev. Lett. 121, 242002 (2018)
- D. Počanić, et al. "PEN: a low energy test of lepton universality", *PoS HQL* 2016 (2017) 042

- L.P. Alonzi, et al. "The calorimeter system of the new muon  $g-2$  experiment at Fermilab", *Nucl.Instrum.Meth. A* 824 (2016) 718-720
- Muon  $g-2$  collaboration, "The Measurement of the Anomalous Magnetic Moment of the Muon at Fermilab", *J.Phys.Chem.Ref.Data* 44 (2015) no.3, 031211
- A.T. Fienberg, et al. "Studies of an array of PbF22 Cherenkov crystals with large-area SiPM readout", *Nucl.Instrum.Meth. A* 783 12-21 (2015)
- D. Počanić, et al. "Nab: Measurement Principles, Apparatus and Uncertainties", *Nucl.Instrum.Meth. A* 611, 211-215 (2009).

## Presentations

### *Invited Talks*

- "Data Science and Femtography", CNF2019 Symposium, SURA Headquarters, August 2019
- "Intro to Data Science", CSIInstitute, July 2019
- "The New Muon  $g-2$  Experiment: E989 Status and Progress Update", SESAPS 81st annual meeting, November 2014.
- "Using the Library to Advance Scientific Data Practices", University of Virginia, July 2014.
- L.P. Alonzi for the PEN Collaboration, "Precision Measurements of Rare Pion Decay Channels", University of Washington, CENPA, March 2012.
- L.P. Alonzi for the Nab Collaboration, "Precision Measurement of  $a$  and  $b$  in Neutron Beta Decay", University of Virginia, January 2009.

### *Contributed Talks*

- L.P. Alonzi for the  $g-2$  Collaboration, "The New Muon  $g-2$  Experiment: E989 Status and Progress Update", *APS NW Section Meeting* (2014).
- L.P. Alonzi for the PEN Collaboration, "A Mini Time Projection Chamber of the PEN Experiment", *April APS Meeting* (2010).
- L.P. Alonzi for the Nab Collaboration, "Precision Measurement of  $a$  and  $b$  in Neutron Beta Decay: The Nab/abBA Experimental Program", *April APS Meeting* (2009).

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