

August 1, 2021

Daniel M. Pajerowski
Instrument Scientist for BL-5
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Citizenship U. S. A.

Education

Brandywine High School, Wilmington, DE HS Diploma, 2000
University of Delaware, Newark, DE BS (Physics), 2004
University of Florida, Gainesville, FL PhD (Physics), 2010

Awards and Fellowships

U. Delaware, Undergraduate Physics Research award 2004
U. Florida, CLAS graduate travel award Fall 2008
U. Florida, CCMS graduate fellowship 2005-2006 and 2006-2007
U. Florida, Chuck Hooper Memorial award 2010
NSF/JSPS, Summer fellowship Summer 2010
National Research Council, Post-doc Fellowship 2010-2012
JSPS, Short term post-doctoral fellowship Fall 2014

Research Experience

AstraZeneca, Wilmington, DE Bioinformatics Intern, Summer 2002
University of Delaware, Newark, DE Undergrad. Research Assistant, 2002-2004
University of Florida, Gainesville, FL Graduate Research Assistant, 2005-2010
ORNL neutron scattering science, Oak Ridge, TN Intern, Summer 2009
PJ Šafárik University, Low-Temp., Kosice, Slovakia Visitor, Spring 2009
Keio University, Yokohama, JP Research Fellow, Summer 2010
NIST, Gaithersburg, MD Post-doctoral Fellow, 2010-2012
NIST, Gaithersburg, MD Instrument Scientist (DCS), 2012-2014
Keio University, Yokohama, JP Research Fellow, Fall 2014
ORNL, Oak Ridge, TN Instrument Scientist (HB-1 and HB-3), 2015-2017
ORNL, Oak Ridge, TN Instrument Scientist (BL-5), 2017-present

Mentoring Experience

Summer Highschool students: Scott Hallock, Jason Hyun, Mark Richardson, Phillip Hicks, Wyatt Smith
Resulting co-authorship of 2 peer-reviewed publications
Summer Undergraduate students: Brian Zakrzewski, Lisa Krayner, Steven Conklin, Kevin Ostrowski,
Zach Nolan, Rachael Ng
Resulting co-authorship of 6 peer-reviewed publications (1 more in preparation)

Professional Societies

American Physical Society
American Chemical Society
Neutron Scattering Society of America

August 1, 2021

Publication metrics (August 2021)

Orcid profile 0000-0003-3890-2379

Scopus 16022794600: h-index = 17, total citations = 1043

Selected Recent Publications

1. Pajerowski, Daniel M.; Ng, Rachael; Peterson, Nathan; Zhang, Yuxuan; Stone, Matthew B.; dos Santos, Antonio M.; Bunn, Jeffrey; Fanelli, Victor. "3D scanning and 3D printing AlSi10Mg single crystal mounts for neutron scattering." REVIEW OF SCIENTIFIC INSTRUMENTS, **91**, 053902 (2020).
2. Li, Bing; Yan, J-Q; Pajerowski, D. M.; Gordon, Elijah; Nedic, A-M; Sizyuk, Y.; Ke, Liqin; Orth, P. P.; Vaknin, D.; McQueeney, R. J. "Competing Magnetic Interactions in the Antiferromagnetic Topological Insulator MnBi_2Te_4 ." PHYSICAL REVIEW LETTERS, **124**, 167204 (2020).
3. Pajerowski, Daniel M.; Manson, Jamie L.; Herbrych, Jacek; Bendix, Jesper; Podlesnyak, Andrey P.; Cain, John M.; Meisel, Mark W. "Inelastic neutron scattering study of the anisotropic $S=1$ spin chain $[\text{Ni}(\text{HF}_2)(3\text{-Clpyridine})_4]\text{BF}_4$." PHYSICAL REVIEW B, **101**, 094431 (2020).
4. Zhang, Junjie; Pajerowski, D. M.; Botana, A. S.; Zheng, Hong; Harriger, L.; Rodriguez-Rivera, J.; Ruff, J. P. C.; Schreiber, N. J.; Wang, B.; Chen, Yu-Sheng; Chen, W. C.; Norman, M. R.; Rosenkranz, S.; Mitchell, J. F.; Phelan, D. "Spin Stripe Order in a Square Planar Trilayer Nickelate." PHYSICAL REVIEW LETTERS, **122**, 247201 (2019).