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Education

Ph.D. Physics Université Catholique de Louvain (Belgium), June 2004
M.Sc. Physics Université Catholique de Louvain (Belgium), June 1999
B.Sc. Physics Université Catholique de Louvain (Belgium), June 1998

Appointments

Assistant Professor, University of Notre Dame, 07/2013 - Present
Research Assistant Professor, University of Notre Dame, 01/2009 – 06/2013
Research Associate, University of Notre Dame, Nuclear Structure Laboratory, 10/2004–12/2008.
Research and Teaching Assistant, Université Catholique de Louvain – Belgium, Institut de Physique Nucléaire, 09/2002-09/2004.
Scientific Research Worker and Teaching Assistant, F.N.R.S. at the nuclear physics institute of the Université Catholique de Louvain, 09/1998-08/2002

Doctoral student under supervision

Edward Lamere, 2013-present
Luis Morales, 2015-present
Gwenaëlle Gilardy, 2015-present (Student at the Université de Bordeaux France)

Professional Memberships

Americal Physical Society
European Physical Society

Services to profession:

Reviewer for

The European Physical Journal A
Nuclear Instruments and Methods A
Nuclear Instruments and Methods B

Organizer

Frontiers 2010, Workshop on Nuclear Astrophysics, October 21-23, 2010 Abbey Resort, Lake Geneva WI
Fall meeting of the Prairie Section of the American Physical Society, November 19th to 21st Notre Dame, IN

Advisory Committee

Member of the international advisory committee of The International Conference on Electromagnetic Isotope Separators and Related Topics (EMIS), May 11 through May 15, 2015, Grand Rapid, MI
Member of the review committee of the Argonne Gas-filled Fragment Analyzer (AGFA) 2014-present

Service to University

Managed computing of Nuclear Science Laboratory of Notre Dame (2010-2011)

Supervisor of computing technician for the Nuclear Science Laboratory of Notre Dame (2011-present)

Member of the Preliminary Exam (2013-2016) and Graduate Recruitment (2013-2014) departmental committees

Invited Lectures and Addresses

1. "Beam Optics", 2015 Exotic Beam Summer School, Lecture, Florida State University, Tallahassee, Florida 2015.
2. "Experimental Investigation of Helium Capture Reactions of Astrophysical Interest", Invited seminar, Ohio University, March 2015.
3. "Recoil Separators for Nuclear Astrophysics studies", 12th Russbach School on Nuclear Astrophysics, Russbach, Austria, March 2015.
4. "Systematic study of $^{90}\text{Mo}+p$ reaction in the context of accelerator based production of $^{99\text{m}}\text{Tc}$ ", Notre Dame-Europe Symposium on Nuclear Science and Society, London, United Kingdom, October 2014.
5. "Nuclear astrophysics studies with charged particles in hot plasma environments", American Chemical Society, National meeting and exposition, San Francisco, California, August 2014.
6. "Experimental techniques to investigate neutron sources for the s-process", 23rd Conference on Application of Accelerators in Research and Industry, San Antonio, Texas, May 2014.
7. "Experimental Investigation of Helium Capture Reactions of Astrophysical Interest", Invited seminar, Argonne National Laboratory, May 2014.
8. "Nuclear astrophysics studies with charged particles in hot plasma environments", 10th International Conference on High Energy Density Laboratory Astrophysics, Bordeaux, France, May 2014.
9. "Experimental Investigation of Helium Capture Reactions of Astrophysical Interest", Invited seminar, Michigan State University, April 2014.
10. "The SECAR separator design", 5th Expert Meeting on Challenging Issues of Next-generation High-intensity In-flight Separators, RIKEN, Wako, Japan, December 2013.
11. "St. George and SECAR, two recoil separators for Radiative Capture Studies", Recoil Mass Separator Workshop, Caserta, Italy, October 2013.
12. "High Intensity Beams for Nuclear Astrophysics Studies", Gordon Conference in Nuclear Chemistry, New London, NH, June 2013.
13. "Recoil Separators for Radiative Capture Studies", Nuclear Physics in Astrophysics Conference VI, Lisbon, Portugal, May 2013.
14. "Bringing the Stars to Main Street Isotope and energy production studies for societal use", University of Notre Dame, Colloquium, April 2013.
15. "Recent progress in recoil separator dedicated for Nuclear Astrophysics", 16th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2012), Matsue, Japan, December 2012.

16. "Recoil separator techniques for nuclear astrophysics", Nuclear Astrophysics Town Meeting, Detroit, MI, October 2012.
17. "Studying radiative capture with recoil separators", Frontier 2012, East Lansing, MI, October 2012.
18. "Study of He radiative capture of Astrophysical interest at Notre Dame", Oak Ridge National Laboratory, February 2009.
19. "A Recoil Separator Underground", DUSEL Town Hall meeting, Washington DC, November 2007.
20. "Radiative capture ^4He of astrophysical interest at Notre Dame," TRIUMF, Vancouver, Canada, May 2007.
21. "Radiative capture ^4He of astrophysical interest at Notre Dame", University of Louvain, Louvain-La-Neuve, Belgium, April 2007.
22. "Recoil separators for the measurement of capture reactions of astrophysics interest," Second CARINA Workshop, Frontiers in European Nuclear Astrophysics, Spa, Belgium, April 2007.
23. "Radiative capture ^4He of astrophysical interest at Notre Dame", LBNL Berkeley, California, USA, March 2007.
24. "A recoil separator for ALNA," Henderson DUSEL Capstone Workshop, Stony Brook University, USA, May 2006.
25. "Characterization of the recoil separator ARES and application to the study of $^{19}\text{Ne}(p,g)^{20}\text{Na}$ ", Notre Dame, USA, April 2004.