

REMCO G. T. ZEGERS

EDUCATION 1999 - Ph.D. with Distinction (Cum Laude) in Mathematics and Physics, Experimental Nuclear Physics – Kernfysisch Versneller Instituut (KVI), University of Groningen, The Netherlands
1995 – Master in Technical Physics, Materials Science – University of Groningen, The Netherlands

CURRENT AFFILIATIONS Department of Physics and Astronomy, Michigan State University (MSU)
Facility for Rare Isotope Beams (FRIB), Michigan State University

RESEARCH INTERESTS Weak interactions in nuclear astrophysics; Isovector excitations of nuclei and the role of isospin in nuclear structure; Giant resonances; Charge-exchange reactions; Rare isotopes; Magnetic Spectrometers for nuclear physics studies; Detectors for neutron, charged-particle, and γ detection.

PROFESSIONAL EXPERIENCE 2024-Associate Director, FRIB, Office for Education, Workforce, and Career Development
2020- 2024 Associate Chairperson for Graduate Programs/Graduate Program Director, Dept. of Physics and Astronomy, MSU
2018- Scientific Spokesperson FRIB High Rigidity Spectrometer
2014-2015 Committee on Institutional Cooperation Academic Leadership Fellow, MSU
2013-2018 MSU Faculty Excellence Advocate, FRIB/NSCL
2013-2015 Associate Director for Education, FRIB/NSCL
2013-Professor, FRIB/NSCL, Dept. Physics & Astronomy, MSU
2012-2019 Associate Director for Experimental Research, NSCL
2009-2012 Associate Professor, NSCL, Dept. Physics & Astronomy, MSU
2003-2009 Assistant Professor, NSCL, Dept. Physics & Astronomy, MSU
2001-2003 Visiting Scientist, Research Center for Nuclear Physics (RCNP), Osaka, Japan stationed at the Laser Electron Photon Spectrometry group (LEPS) group at Spring-8
1999-2001 Science and Technology Agency (STA) of Japan Fellow, hosted by the Japan Atomic Energy Research Institute (JAERI), stationed at the Laser Electron Photon Spectrometry Group (LEPS) at Spring-8

AWARDS & HONORS 2023 MSU College of Natural Science Outstanding Faculty Award
2022 MSU College of Natural Science Graduate Academic Advisor Award
2020 American Physical Society Outstanding Referee
2019 Fellow of the American Association for the Advancement of Science

2018 FAIR/GSI Exotic Nuclei Community (GENCO) Membership Award
 2017 Fellow of the American Physical Society
 2007 Outreach award, Dept. of Physics and Astronomy, Michigan State University
 2006 Outstanding non-tenured teaching award, Dept. of Physics and Astronomy, Michigan State University

**PROFESSIONAL
ORGANIZATIONS**

American Physical Society (APS) - Division of Nuclear Physics (DNP)
 American Association for the Advancement of Science (AAAS)
 National Society of Black Physicists (NSBP)

**SERVICE
HIGHLIGHTS**

2022-2024 APS Committee on Informing the Public/Public Engagement
 2020, 2025 Nuclear Science Summer School (NS³) (Chair)
 2021-2024 Rare Isotope Beam Factory (Tokyo, Japan) Program Advisory Committee
 2020/2021 APS Freedman Award Committee (Vice Chair)
 2017-2019 APS DNP Education Committee
 2017-2019 APS DNP Executive Committee
 2015-2018 APS Physical Review C Editorial Board
 2016-2018 MSU University Council and Faculty Senate
 2010-2013 Board of Directors Exotic Beam Summer School (EBSS), Organizer 2011
 2015- APS National Mentoring Community Mentor
 2013-2020 Secretary for the Nuclear Physics Group in the MSU Dept. of Physics and Astronomy
 2009- FRIB Working Group - High Rigidity Spectrometer – Point of Contact 2009-
 2009-2015 FRIB Working Group - Neutron Detectors – Point of Contact
 2015 US-China-Rare Isotope Beam Task Force – Member
 2014-2015 Rare Isotope at your Fingertips, a mobile game about rare isotopes, supported by an
 APS “Physics on the Road” Grant
 2005-2008 Research Center for Nuclear Physics, (Osaka, Japan) Program Advisory Committee
 2005,2006 Lead Organizer NSCL Open Houses
 2004, 2006-2009 Organizer of Physics of Atomic Nuclei, Summer program for middle and high
 school students and teachers
 2005 “Schrödinger’s Mousetrap”-World year of Physics activity in Nature. Wrote Episode 5,
 Nature 433, 689
 Conference & Workshop Organization with a leading role:
 2023 IReNA Workshop on Weak Interactions in Nuclear Astrophysics (Chair)
 2017 & 2021 High Rigidity Spectrometer Workshop during LECM
 2014 Workshop on A High Rigidity Spectrometer for FRIB (Chair)
 2011 APS DNP Meeting
 2011 Workshop on High Rigidity Spectrometer for FRIB (Co-Chair)
 2009 Third International Conference on Collective Motion in Nuclei under Extreme
 Conditions (COMEX3) (Chair)

2008 10th International Conference on Nuclei in the Cosmos

2004 JINA workshop on Charge-Exchange Reactions (Chair)

Journal Referee: Nature, Physical Review Letters, Physical Review C (Member Editorial Board 2015-2018), Nuclear Instruments and Methods A&B, Physics Letters B, Nuclear Physics A, Progress of Theoretical and Experimental Physics, Modern Physics Letters A, Astrophysics and Space Science

Grant/Program Review: Department of Energy, Office of Science, Nuclear Physics; National Science Foundation; Natural Sciences and Engineering Research Council of Canada, European Research Council, Deutsche Forschungsgemeinschaft, European Science Foundation
