

## **Joann I. Prisciandaro, Ph.D., DABR, FAAPM**

### **Clinical Associate Professor**

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## **Education and Training**

### **Education**

08/1992-05/1996 BA, Chemistry, New York University, New York, NY  
05/1997-12/2001 PhD, Experimental Chemical Physics, Dissertation Title: "Beta decay studies of  $^{69}\text{Ni}$  and  $^{58}\text{V}$ : Development of subshell gaps within the  $N = 28 - 50$  shell", Michigan State University, East Lansing, MI

### **PostDoctoral Training**

01/2002-09/2004 Postdoctoral Research Fellow, Radiation Oncology Physics, Mayo Clinic College of Medicine, Rochester, MN

### **Additional Education**

06/1996-08/1996 D.O.E. Sponsored Nuclear and Radiochemistry summer school, D.O.E. sponsored Nuclear and Radiochemistry summer, San Jose State University, San Jose, CA  
09/2007-06/2008 Medical Education Scholars Program, Medical Education Scholars Program, University of Michigan, Ann Arbor, MI  
07/2008-08/2008 "Becoming a Better Teacher of Medical Physics", "Becoming a Better Teacher of Medical Physics," Sponsored by the AAPM, League City, TX  
04/2017-05/2017 IBPRO - Integrating Radiobiology with Medical Physics, Detroit, MI

## **Certification And Licensure**

### **Certification**

06/2006-12/2016 American Board of Radiology - Therapeutic Radiologic Physics #P3863  
01/2017-12/2017 American Board of Radiology - Therapeutic Radiologic Physics #P3863

## **Academic, Administrative, Clinical and Military Appointments**

### **Academic Appointments**

10/2004-08/2008 Clinical Instructor in Radiation Oncology, University of Michigan, Ann Arbor, MI  
09/2008-08/2014 Clinical Assistant Professor in Radiation Oncology, University of Michigan, Ann Arbor, MI  
09/2014-present Clinical Associate Professor in Radiation Oncology, University of Michigan - Ann Arbor, Ann Arbor, Michigan

### **Clinical Appointments**

01/2004-09/2004 Clinical Medical Physics Fellow, Emanuel St. Joseph Hospital, Mankato, MN  
09/2017-present Director of Brachytherapy Physics, University of Michigan, Ann Arbor, Michigan

## **Clinical Interests**

- External Beam: Triage of linac (Varian 21EX/iX, Trilogy, and Edge) and simulator (CT and MR) machine calls; 3D conformal and IMRT treatment plan checks (Eclipse), and weekly chart checks; IMRT pre-treatment quality assurance; Acceptance testing, beam commissioning and radiation protection for a new accelerator (Varian 21EX); Total Skin Electron Treatment (TSET) and Total Body Photon Irradiation (TBI) planning and plan checks; SBRT plan check, pre-treatment QA, patient setup, image guidance, and treatment delivery.
- Brachytherapy: Lead HDR physicist; Designed and developed HDR program at the main campus of University of Michigan hospital (GammaMed iX and BrachyVision); Treatment planning (BrachyVision) for

intracavitary, intraluminal, surface, and interstitial implants (prostate and gynecological); Commissioning MR guided brachytherapy program, including applicator and image sequence commissioning, and redesigning clinical and treatment planning workflow. Plan checks, daily, monthly, and quarterly quality assurance and new source acceptance and calibration; Radiation safety and room design; Eye plaque treatment planning and plaque construction; Designed and developed documentation and radiation safety procedures for the clinical implementation of Y-90 Theraspheres protocol; and Therasphere treatment planning, sphere assay and radiation safety.

- Radiation Safety: Monitor quarterly departmental badge reports/readings; Departmental liaison with Radiation Safety; Developed and maintain annual radiation safety refresher modules with radiation safety and deliver hands-on emergency training; Maintain and update departmental radiation byproduct materials license and registration; and Complete and submit NRC-313A(amp) and NRC-313A(au) documentation for residents and staff.

## Research Interests

- Developing clinical high dose rate brachytherapy protocols
- MR-guided brachytherapy

## Grants

### Current Grants

*Universal cylinder and ring applicator solid model evaluation* Varian Medical Systems, Inc.- 17-PAF04154  
Prisciandaro, Joann Isabella, PI  
03/2017-12/2017. \$23,220 (\$23,220)

*A Phase III Clinical Trial Evaluating TheraSphere® in Patients with Metastatic Colorectal Carcinoma of the Liver who have Failed First Line Chemotherapy* BTG International, LTD through a consortium with Chiltern International, Inc-15-PAF04365  
Co-I with Effort (Principal Investigator: Cuneo, Kyle)  
07/2015-06/2018. \$1,214,365 (\$405,989)

### Past Grants

*Fostering Innovations Grant. Title: Fetal Shield for Radiotherapy* University of Michigan  
J.I. Prisciandaro, PI  
10/2010-09/2011. \$30,000

*Radiation Oncology Physics Residency Training Grant* ASTRO/AAPM- 08-0316  
Prisciandaro, Joann Isabella, PI  
09/2007-08/2008. \$12,000 (\$12,000)

## Honors and Awards

### National

1992 The Columbia Association of the Board of Education Scholarship  
2014 Fellow of the American Association of Physicists in Medicine

### Regional

1992-1996 Governor's Committee on Scholastic Achievement Scholarship  
1998 Herbert T. Graham Scholarship, Michigan State University

### Institutional

2013 The League of Educational Excellence  
2015 Department of Radiation Oncology Physics Teacher of the Year Award

## Memberships in Professional Societies

1996-2002 Member, American Chemical Society (ACS) Division of Nuclear Chemistry and Technology

1997-1999	Member, American Association for the Advancement of Science (AAAS)
1997-2002	Member, American Physics Society Division of Nuclear Physics (APS)
2002-present	Member, American Association of Physicists in Medicine (AAPM)
2004-present	Member, Great Lakes Chapter of the American Association of Physicists in Medicine (GLC-AAPM)
2007-2011	Provisional Member, American College of Medical Physics (ACMP)
2009-present	Associate Member, American Society for Radiation Oncology (ASTRO)
2009-present	Member, American Brachytherapy Society (ABS)

## **Editorial Positions, Boards, and Peer-Review Service**

### **Editorial Boards**

2010-2012	Brachytherapy Section Editor, Journal of Applied Clinical Medical Physics
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### **Journal Reviewer**

2003-present	Medical Physics Journal Reviewer
2006-present	Medical Dosimetry Journal Reviewer
2006	Radiotherapy and Oncology Journal Reviewer
2007-present	International Journal of Radiation Oncology, Biology, Physics Journal Reviewer
2010-present	Journal of Applied Clinical Medical Physics
2012-present	Practical Radiation Oncology

## **Teaching**

### **Resident/House Officer**

01/2006-06/2007	Natan Shtraus, B.Sc., University of Michigan
06/2006-06/2007	Christina Christou, Ph.D., University of Michigan
08/2006-08/2008	Chadd Smith, Ph. D., University of Michigan
01/2007-01/2009	Anant Gopal, Ph. D., University of Michigan
05/2007-05/2009	Yimei Huang, Ph. D., University of Michigan
07/2007-06/2010	Peng Wang, Ph. D., University of Michigan
08/2007-01/2009	Nir Honig, B. Sc., University of Michigan
05/2008-05/2011	Joel Wilkie, Ph. D., University of Michigan
09/2008-08/2011	Hanan Amro, Ph. D., University of Michigan
02/2009-02/2011	Ahmad Alkhatib, Ph. D., University of Michigan
02/2009-02/2011	Orit El Dan, M. Sc., University of Michigan
07/2009-02/2012	Colleen Fox, Ph. D., University of Michigan
07/2010-02/2013	Kelly Younge, Ph. D., University of Michigan
10/2010-06/2013	Ke Huang, Ph. D., University of Michigan
01/2011-09/2013	Bingqi Guo, Ph. D., University of Michigan
05/2011-12/2013	Shu-Hui Hsu, Ph. D., University of Michigan
07/2012-07/2014	Zacariah Labby, Ph. D., University of Michigan
03/2013-08/2015	Mohammad-Amir Owrangi, Ph.D., University of Michigan
07/2013-12/2015	Tong Zhu, Ph.D., University of Michigan
01/2014-06/2016	Elizabeth Covington, Ph.D., University of Michigan
07/2014-12/2016	Jeremy Bredfeldt, Ph.D., University of Michigan
07/2015-present	Benjamin Rosen, Ph.D., University of Michigan
01/2016-present	Justin Mikell, Ph.D., University of Michigan
07/2016-02/2017	Derek White, Ph.D., University of Michigan

03/2017-present Samantha Simiele, Ph.D., University of Michigan

## Teaching Activity

### National

01/2007-01/2013 American College of Radiology, examination author and physics section chair for the annual radiation oncology resident's in-service registry examination

05/2008 Professional Symposium on MOC Update, 25th Annual ACMP Meeting, Seattle, WA, Symposium organizer and moderator.

07/2008 Practical medical physics symposium on Introducing Brachytherapy into the clinic, 50th Annual AAPM Meeting, Houston, TX, Symposium organizer and moderator

05/2009 Professional Symposium on Starting a New Residency Program, 26th Annual ACMP Meeting, Virginia Beach, VA, Symposium organizer.

04/2011-05/2011 27th Annual ACMP Meeting, San Antonio, TX, Physics Therapy Chair for meeting.

03/2012 1st Annual Spring Clinical AAPM Meeting, Dallas, TX, Physics Therapy Co-organizer for meeting.

08/2012 Medical Physics Ethics in Action Symposium, 55th Annual AAPM Meeting, Charlotte, NC, Symposium organizer and moderator

03/2013 2nd Annual Spring Clinical AAPM Meeting, Phoenix, AZ, Physics Therapy Co-organizer for the meeting.

06/2013 The Osler Institute Board Review Course, Radiation Oncology Physics instructor.

09/2015-10/2015 AAPM Hub and Spoke Webinar Series, Co-organizer and moderator

12/2015 American Board of Radiology Updates for Medical Physicists, Co-organizer and co-moderator

06/2016 Invited faculty for the 2016 AAPM Summer School - Medical Physics Leadership Academy. Focused on sessions on team effectiveness and financial accounting.

08/2016 Prostate HDR Treatment Planning - Considering Different Imaging Modalities, Therapy Educational Course, 58th Annual AAPM Meeting, Washington DC, Course organizer and moderator

### Regional

03/2006 Instructor, Michigan Radiation Therapy Registry, Jackson, MI. Topics: Radiation Physics and Biology Review, and Radiation Protection Review

03/2007 Instructor, 2nd Annual Michigan Radiation Therapy Registry Review, Flint, MI. Topic: Radiation Physics Review

11/2007 GLC-AAPM Imaging Dosimetry in Diagnostic and IGRT Symposium, Novi Michigan, Symposium co-organizer.

03/2008 Instructor, 3rd Annual Michigan Radiation Therapy Registry Review, Flint, MI Topic: Radiation Physics Review

11/2008 GLC-AAPM Licensure and Young Investigator's Symposium, Brighton, MI, Symposium co-organizer.

### Institutional

08/1997-05/1998 Teaching Assistant, Physical Chemistry, Michigan State University

06/1999-08/1999 Laboratory Instructor, Nuclear & Radiochemistry, Brookhaven National Laboratory

09/2003-04/2004 Teaching Assistant, Radiation Therapy Physics for Radiation Oncology Residents, Mayo Clinic College of Medicine

05/2005-04/2015 Instructor, Radiation Therapy Physics Course for Radiation Oncology Residents, University of Michigan Medical School

09/2005-present Instructor, RTT 431 and 432, Radiation Physics I & II, University of Michigan Medical School (offered through University of Michigan Flint)

06/2006-12/2008 Co-Director of the Radiation Oncology Medical Physics Residency Training Program, University of Michigan

06/2006-06/2013	Director of the Radiotherapy Physics Course for Radiation Oncology Residents University of Michigan
02/2007	Instructor, NERS 582 (BiomedE 582) Medical Radiological Health Engineering. Topic: Radiation Safety Concerns for High Dose Rate Brachytherapy, University of Michigan
01/2009-present	Director of the Radiation Oncology Medical Physics Residency Training Program, University of Michigan
03/2010	Instructor, NERS 582 (BiomedE 582) Medical Radiological Health Engineering. Topics: Introduction to Radiation Oncology, Brachytherapy and Radiation Safety, University of Michigan
03/2013	Radiation Oncology annual retreat on education, Ann Arbor, Michigan, meeting organizer and moderator.
01/2016-present	Instructor, NERS 581 - Radiation Therapy Physics

## Committee and Administrative Services

### Committee Services

#### International

2015-present	Education and Training Committee, International Organization for Medical Physics (IOMP), Member
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#### National

2006-2008	Medical Physics Committee, RTOG, Committee Member
2006-2011	A Phase II Trial of Samarium 153 Followed by Salvage Prostatic Fossa 3DCT or IMRT Irradiation in High-Risk, Clinically Non-Metastatic Prostate Cancer After Radical Prostatectomy, RTOG, Medical Physics Study Chair for RTOG 0622
2006-2011	Work Group on Coordination of Medical Physics Residency Programs, AAPM, Member
2007-2009	Trainee and Provisional Member Committee, ACMP, Member
2007-2010	Task Group #127, Maintenance of Certification, AAPM, Task Group Member
2008-2012	Ethics Committee, AAPM, Committee Member
2008-2012	Subcommittee on Practice Guidelines, AAPM, Vice Chair of the Subcommittee
2008-2013	Clinical Practice Committee, AAPM, Committee Member
2008-2014	Subcommittee on Physics Curriculum for Residents, ASTRO, Member
2009-2014	Subcommittee on Medical Physicists as Educators, AAPM, Subcommittee Member
2010-2011	Women's Professional Subcommittee, AAPM, Subcommittee Member
2010-2012	Education and Training of Medical Physics Committee, AAPM, Member
2010-2016	Maintenance of Certification Subcommittee, AAPM, Subcommittee Member
2010-2016	Working Group on Periodic Review of Medical Physics Residency Training, AAPM, Chair
2010-present	Task Group #203, Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators, AAPM, Member
2011-2012	Spring Clinical Meeting Subcommittee, AAPM, Therapy Physics Co-Organizer
2011-2013	Radiation Oncology Medical Physics Education Subcommittee, AAPM, Member
2011	Radiation Dosimetry and Treatment Planning Subcommittee, AAPM, Subcommittee Member
2012-2013	Subcommittee on Practice Guidelines, AAPM, Chair
2012-2013	Task Group #231, Cognitive science and education resources, AAPM, Member
2013-2014	Education and Training of Medical Physics Committee, AAPM, Vice-Chair
2013-2015	Ad Hoc Committee on Meetings Strategy, AAPM, Member
2013-2015	Spring Clinical Meeting Subcommittee, AAPM, Member
2013-present	Commission on Accreditation of Medical Physics Educational Programs (CAMPEP) Board of Directors, Member
2013-present	The Society of Directors of Academics Medical Physics Programs (SDAMPP), Member

2013 Nominating Committee, AAPM, Member

2014-2015 ACR/AAPM Technical Standard for the Performance of High Dose Rate Brachytherapy Physics, Member

2014-2016 Commission on Accreditation of Medical Physics Educational Programs (CAMPEP), Treasurer/Secretary

2014-present Education and Training of Medical Physics Committee, AAPM, Chair

2014-present Radiation Oncology Medical Physics Education Subcommittee, AAPM, Consultant

2014-present Task Group No. 259 - MPPG #7 Medical Physics Extenders, AAPM, Members

2014 Nominating Committee, SDAMPP, Member

2014 Subcommittee on Practice Guidelines, AAPM, Consultant

2015-present Education Council, AAPM, Member

2015-present Task Group No. 278 - Task Group on Combined Residency and Research Training in Medical Physics (TG-Hybrid Training), AAPM, Member

2015-present Work Group on Future Research and Academic Medical Physics, AAPM, Member

2016-present Task Group 298, Task Group on Alternative Pathway Candidate Education and Training, AAPM, Member

2016-present Working Group on MCC (Meeting Coordination Committee) Purpose, Organization and Rules, AAPM, Member

2017-present Finance Committee, AAPM, Member

2017-present Task Group 303 - MRI Guidance in HDR Brachytherapy - Considerations from Simulation to Treatment, AAPM, Vice Chair

2017-present Working Group on Periodic Review of Medical Physics Residency Training, AAPM, Consultant

**Regional**

2007-2009 Great Lakes Chapter of the AAPM, Secretary

2009-present Medical Physics Licensure State Committee, Committee Member

2012-2014 Board Representative of the AAPM, Great Lake Chapter Representative

**Institutional**

2003-2004 Brachytherapy working group, Department of Radiation Oncology, Mayo Clinic , Brachytherapy working group

2004-2007 Education Committee, Medical Physics Residents, University of Michigan, Education Committee

2004 Education Committee, Department of Radiation Oncology, Mayo Clinic , Education Board

2006-2008 Lean Thinking - 3D conformal treatment process, University of Michigan, Member

2006-2013 Graduate Medical Education Committee, Department of Radiation Oncology, University of Michigan, Graduate Student Education Committee

2007-2017 Medical Physics Residency Committee, Chair

2008-present Radiation Policy Committee, University of Michigan, Radiation Policy Committee

2010-present Variance Committee, Department of Radiation Oncology, Member

2012-2014 Education Leadership Council, Member

2013-2014 Academy of Medical Educators, Member

2013-2014 Faculty Development and Monthly Conferences Workgroup, Member

2013-present Clinical Radiation Safety Committee, Member

2013 Radiation Oncology Annual Retreat on Education, Organized and moderated

2015-present Medical Physics Certificate Committee, Member

2016-present Clinical Competency Committee, Department of Radiation Oncology, Member

2017-present Medical Physics Residency Committee, Member

## **Administrative Services**

### **Volunteer**

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| 2007-2009    | Secretary, Warner Creek Homeowners Association, Ann Arbor, MI, Warner Creek Homeowners Association  |
| 2010-present | Residency Program Site Reviewer, Commission on the Accreditation of Medical Physics Educational Programs, College Park, MD, Review medical physics residency accreditation applications and perform site reviewson behalf CAMPEP. |

## **Visiting Professorships and Extramural Invited Presentations**

### **Visiting Professorships**

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| 09/2012 | Evolution of Prostate Brachytherapy, University of Pennsylvania, Department of Radiation Oncology, September 2012, Philadelphia, PA |
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### **Extramural Invited Presentations**

1. Using PortalVision for Organ/Target Displacement Management and EPID-based QA, Varian Medical System's IMRT, RPM-Gating and Quality Assurance Users' Meeting, August 2003, San Diego, CA
2. Introduction to Radiation Oncology Physics and Modern Treatment Techniques, Benedictine College, February 2004, Atchison, KS
3. EPID-based Methodology to Evaluate CTV-to-PTV Margins, American Association of Medical Dosimetrists Region II Meeting, May 2004, Rochester, MN
4. Introduction to Radiation Therapy and the Role of Medical Physicists, 231st American Chemical Society National Meeting, June 2006, Atlanta, GA
5. Complex RT Cases, 51st Michigan Society of Radiologic Technologists Annual Meeting, September 2006, Midland, MI
6. Parts 2 and 3 of the Radiation Oncology ABR Physics Exam, Professional Symposium, 24th Annual ACMP Meeting, June 2007, Baltimore, MD
7. Stereotactic Radiosurgery: Gamma Knife vs. Linacs, Wayne State University Medical & Radiological Physics Seminar Series, November 2007, Detroit, MI
8. From licensing to QA, how to implement HDR brachytherapy into your clinic, 50th AAPM Annual Meeting, July 2008, Houston, TX
9. Introduction to radiation oncology physicists, 236th American Chemical Society National Meeting, August 2008, Philadelphia, PA.
10. Introduction to Radiation Oncology Physicists, ,National Superconducting Cyclotron Laboratory, Michigan Sate University, February 2009, East Lansing, Michigan
11. Radiation Therapy and the Role of Medical Physicist, Saline District Library, March 2010, Saline, Michigan
12. Developing and Maintaining a Safe HDR Brachytherapy Practice, 27th Annual ACMP Meeting, May 2010, San Antonio, Texas
13. Quality Assurance Challenges, SEAAPM Symposium, April 2011, Mrytle Beach, South Carolina
14. Initiative for Medical Physics Practice Guidelines, Great Lakes Chapter AAPM, Fall Scientific Meeting, November 2011, Novi, Michigan
15. A Review of the Maintenance of Certification (MOC) Process, Great Lakes Chapter-AAPM, May 2012, Troy, Michigan
16. The Evolution of HDR Prostate Brachytherapy Planning, The Institute for Medical Education, October 2012, Boston, MA
17. National Crisis: Where are the Radiation Professionals?  
Accrediting Organization: Commission on Accreditation of Medical Physics Educational Programs, Inc., National Council on Radiation Protection & Measurements, July 2013, Washington, DC
18. An Institutional Experience Managing the Care of Patients with CIEDs, Spring Clinical AAPM, March 2014, Denver, CO
19. The Use of Checklists and Audit Tools for Safety and QA, Annual AAPM, July 2015, Anaheim, CA
20. MR-Guided Brachytherapy, Penn-Ohio Chapter of the AAPM, September 2015, Cleveland, OH

21. Evolution and current status of medical physics residency training, Penn-Ohio chapter of the AAPM, September 2015, Cleveland, OH
22. Radiation therapy and MRI-guided brachytherapy, Nuclear Science Seminar, Michigan State University, National Superconducting Cyclotron Laboratory, March 2016, East Lansing, MI
23. Prostate HDR Treatment Brachytherapy Planning - Considering Different Imaging Modalities, 58th Annual AAPM Meeting, July 2016, Washington, DC
24. Prostate HDR Treatment Brachytherapy Planning – Considering Different Imaging Modalities, AAPM, August 2016, Washington, DC
25. Challenges of implementing new technology and the value of standard practice, 58th Annual ASTRO Meeting, September 2016, Boston, MA
26. Future trends in residency training, AAPM 59th Annual Meeting, July 2017, Denver, CO
27. HDR Brachytherapy: Interstitial Treatments for GYN Panel Discussion, AAPM 59th Annual meeting, July 2017, Denver, CO

### **Other**

1. The Evolution of HDR Prostate Brachytherapy Planning, Varian Medical Systems, October 2012, Palo Alto, CA
2. The Evolution Toward Real-Time HDR Prostate Planning, Webinar, Varian Medical Systems, April 2013, Palo Alto, CA
3. MR Image Guided Brachytherapy (MR IGBT) for gynecologic cancer, Eye on Imaging, myVarian Webinar, Varian Medical Systems, March 2016, Palo Alto, CA

### **Seminars**

1. Total Body Irradiation, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, April 2005, Ann Arbor, MI
2. Sublobar resection for high risk T1N0 non-small cell lung cancer and new ACOSOG Z4032 protocol, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, November 2005, Ann Arbor, MI
3. Maintenance of Certification, Physics Seminar, Department of Radiation Oncology, University of Michigan, April 2007, Ann Arbor, MI
4. Radiation therapy for choroidal melanomas, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, June 2008, Ann Arbor, MI
5. Oral Cavity Brachytherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, August 2008, Ann Arbor, MI
6. TheraSpheres, Microspheres Radiotherapy for Hepatic Malignancies, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, August 2008, Ann Arbor, MI
7. Prostate HDR, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, May 2010, Ann Arbor, MI
8. Maintenance of Certification, Physics Seminar, Department of Radiation Oncology, University of Michigan, August 2010, Ann Arbor, MI
9. High Dose Rate Prostate Brachytherapy, Grand Rounds, Department of Radiation Oncology, University of Michigan, November 2010, Ann Arbor, MI
10. MR-Guided HDR Prostate Brachytherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, December 2010, Ann Arbor, MI
11. MRI Series: Volume-based brachytherapy planning for cervical cancer, University of Michigan, Department of Radiation Oncology, September 2011, Ann Arbor, MI
12. Gyn Program Update/Consensus Conference, University of Michigan, Department of Radiation Oncology, November 2012, Ann Arbor, MI
13. Handling NRC Reportable Events: A Case Study with Theraspheres, University of Michigan, Department of Radiation Oncology, December 2012, Ann Arbor, MI
14. Maintenance of Certification – A Physics Perspective, Radiation Oncology Annual Retreat, Department of Radiation Oncology, University of Michigan, March 2013, Ann Arbor, MI
15. Managing radiotherapy patients with cardiac implantable electronic devices, Grand Rounds, Department of Radiation Oncology, University of Michigan, February 2014, Ann Arbor, MI



16. Palliative Care Radiotherapy, Professional Seminar Series, Department of Radiation Oncology, University of Michigan, November 2014, Ann Arbor, MI
17. Maintenance of Certification - 2016 Updates, Physics Seminar, Department of Radiation Oncology, University of Michigan, March 2016, Ann Arbor, MI
18. MR Image Guided Brachytherapy (MR IGBT) for gynecologic cancer, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, March 2016, Ann Arbor, Michigan
19. The Key to Successful Poster Presentations, Professional Seminar Series, Department of Radiation Oncology, University of Michigan, July 2017, Ann Arbor, MI

## Bibliography

### Peer-Reviewed Journals and Publications

1. M. Huhta, P.F. Mantica, D.W. Anthony, P.A. Lofy, **J.I. Prisciandaro**, R.M. Ronningen, M. Steiner, and W. B. Walters,: New evidence for deformation in  $^{73}\text{Zn}$  PRC 58(6): 3187-3194, 1998.
2. P.F. Mantica, D.W. Anthony, M. Huhta, **J.I. Prisciandaro**, and M.A. Vance: Recent developments in the measurement of spin-polarized fragments using  $\beta$ -NMR at the NSCL Nucl Instr and Meth in Phys Res. A 422: 498 - 501, 1999.
3. **J.I. Prisciandaro**, P.F. Mantica, A.M. Oros-Peusquens, D.W. Anthony, M. Huhta, P.A. Lofy, and R.M. Ronningen: Beta decaying  $T_{1/2} = 3.4$  s isomer in  $^{69}\text{Ni}$  PRC 60: 054307-1 - 7, 1999.
4. M.J. Chromik, P.G. Thirolf, M. Thoennessen, T. Davinson, D. Gassmann, P. Heckman, P. Reiter, **J.I. Prisciandaro**, E. Tryggestad, and P.J. Wood: Investigation of double proton decay of  $^{17}\text{Ne}$  Beschleunigerlaboratorium Muenchen, Jahresbericht 1999, 4, 2000: 155-200, 2000.
5. J. Rikovska, T. Giles, N.J. Stone, K. van Esbroeck, G. White, A. Wöhr, M. Veskovic, I.S. Towner, P.F. Mantica, **J.I. Prisciandaro**, D.J. Morrissey, V.N. Fedoseyev, V.I. Mishin, U. Koster, and W.B. Walters: First On-line beta-NMR on oriented nuclei: magnetic dipole moments of the  $(\nu p_{1/2})^{-1} 1/2^{-}$  ground state in  $^{67}\text{Ni}$  and  $(\pi p_{3/2})^{+1} 3/2^{-}$  ground state in  $^{69}\text{Cu}$  Phys Rev Lett 85(7): 1392-5, 2000. PM10970512
6. P.F. Mantica, A.E. Stuchbery, D.E. Groh, **J.I. Prisciandaro**, and M.P. Robinson: g Factors of the first 2+ states in the transitional  $^{92,94,96,98,100}\text{Mo}$  isotopes and the onset of collectivity PRC 63: 034312-1-13, 2001.
7. **J.I. Prisciandaro**, P.F. Mantica, B.A. Brown, D.W. Anthony, M.W. Cooper, A. Garcia, D.E. Groh, A. Komives, W. Kumarasiri, P.A. Lofy, A.M. Oros-Peusquens, S.L. Tabor, and M. Wiedeking: New evidence for a subshell gap at N = 32 Phys Lett B 510: 17 - 23, 2001.
8. M.J. Chromik, P.G. Thirolf, M. Thoennessen, B.A. Brown, T. Davinson, D. Gassmann, P. Heckman, **J.I. Prisciandaro**, P. Reiter, E. Tryggestad and P.J. Woods,: Two-proton spectroscopy of low-lying states in  $^{17}\text{Ne}$  Phys Rev C 66: 024313-1-12, 2002.
9. A.C. Morton, P.F. Mantica, B.A. Brown, A.D. Davies, D.E. Groh, P.T. Hosmer, S.N. Liddick, **J.I. Prisciandaro**, H. Schatz, M. Steiner, and A. Stolz: Beta decay studies of nuclei near  $^{32}\text{Mg}$ : Investigating the  $\nu(f_{7/2})$ - $\nu(d_{3/2})$  inversion at the N = 20 shell closure Phys Lett B 544: 274 - 279, 2002.
10. **J.I. Prisciandaro**, M.G. Herman, and J.J. Kruse: Utilizing an electronic portal imaging device to monitor light and radiation field congruence. J Appl Clin Med Phys 4(4): 315-20, 2003. PM14604421
11. **J.I. Prisciandaro**, A.C. Morton, and P.F. Mantica: Beta counting system for fast fragmentation beams Nucl Instr and Meth in Phys Res A 505: 140-143, 2003.
12. M.G. Herman, T.M. Pisansky, J.J. Kruse, **J.I. Prisciandaro**, B.J. Davis, and B.F. King: Technical aspects of daily online positioning of the prostate for three-dimensional conformal radiotherapy using an electronic portal imaging device Int J Radiat Oncol Biol Phys 57(4): 1131-1140, 2003. PM14575846
13. **J.I. Prisciandaro**, C.M. Frechette, M.G. Herman, P.D. Brown, Y.I. Garces, and R.L. Foote: A methodology to determine margins by EPID measurements of patient setup variation and motion as applied to immobilization devices. Med Phys 31(11): 2978-2988, 2004. PM15587650
14. **J.I. Prisciandaro**, R.L. Foote, M.G. Herman, S.J. Lee, W.N. LaJoie, A.B. Van Blarcom, and P.D. Yeakel: Technical Note: A buccal mucosa carcinoma treated with high dose rate brachytherapy J Appl Clin Med Phys 6(1): 8-12, 2005. PM15770193

15. Y. Xiao, K. De Amorim Bernstein, I.J. Chetty, P. Eifel, L. Hughes, E.E. Klein, P. McDermott, **J.I. Prisciandaro**, B. Paliwal, R.A. Price, M. Werner-Wasik, and J.R. Palta, of the Ad Hoc Committee on Teaching Physics to Residents and Invitees: The American Society for Radiation Oncology's 2010 core physics curriculum for radiation oncology residents. *Int J Radiat Oncol Biol Phys* 81(4): 1190-1192, 2011. PM21035958
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51. A.M. Rolston, P. Sonia, R.K. Reynolds, **J. Prisciandaro**, K. McLean and S. Jolly: Balloon Pneumo-Occluder for Vaginal Distension at the time of High Dose Rate(HDR) Brachytherapy in patients with Cervical Cancer, The Society of Gynecologic Oncology, National Harbor, MD, 2017.