

Dr Nikolas Patronis, Professor

CONTACT INFORMATION	Nuclear Physics Laboratory Physics Department University of Ioannina Ioannina, GR-45110	<i>Phone:</i> +30 26510 08551 <i>Fax:</i> +30 26510 08692 <i>E-mail:</i> npatronis@uoi.gr <i>WWW:</i> http://nuclear.physics.uoi.gr/
	n_TOF Collaboration EP-SME CERN Geneva, CH1-211	<i>Phone-GSM:</i> +41 75 411 0441 <i>Phone:</i> +41 22 766 5307 <i>E-mail:</i> nikolaos.patronis@cern.ch <i>WWW:</i> https://home.cern/science/experiments/n_tof
PERSONAL DETAILS	Born 31-Dec-1975 in Athens-Greece, Married: 2 children (Emmanuel & Maria)	
RESEARCH INTERESTS	Neutron Physics, Nuclear Reactions, Nuclear reactions with radioactive ion beams, Nuclear Astrophysics, Nuclear Structure	
EDUCATION	University of Ioannina , Ioannina, Greece <i>Department of Physics</i> Ph.D. in Experimental Nuclear Physics, March 2004 University of Patras , Patra, Greece <i>Department of Physics</i> B.A., Physics, July, 1999	
ACADEMIC EXPERIENCE	University of Ioannina , Ioannina, Greece <i>Professor</i> Nuclear Physics Laboratory, Physics Department	March 2023 - now
	NCSR "Demokritos" , Athens, Greece <i>Adjunct Researcher</i> Tandem Accelerator Laboratory, N.C.S.R. "Demokritos"	May 2024 - now
	CERN , Geneva, Switzerland <i>n_TOF Physics Coordinator</i> <i>Scientific Associate and Project Associate</i> nTOF Collaboration	January 2022 - February 2024
	University of Ioannina , Ioannina, Greece <i>Associate Professor</i> Nuclear Physics Laboratory, Physics Department	September 2018 - March 2023
	CERN , Geneva, Switzerland <i>Corresponding Associate</i> nTOF Collaboration	June-August 2021

<p>CERN, Geneva, Switzerland <i>Corresponding Associate</i> nTOF Collaboration</p>	<p>September 2020 - November 2020</p>
<p>CERN, Geneva, Switzerland <i>Corresponding Associate</i> nTOF Collaboration</p>	<p>May-July 2019</p>
<p>University of Ioannina, Ioannina, Greece <i>Assistant Professor</i> Nuclear Physics Laboratory, Physics Department</p>	<p>October 2013 - September 2018</p>
<p>CERN, Geneva, Switzerland <i>Corresponding Associate</i> nTOF Collaboration</p>	<p>June-July 2018</p>
<p>CERN, Geneva, Switzerland <i>Corresponding Associate</i> nTOF Collaboration</p>	<p>June-July 2017</p>
<p>University of Ioannina, Ioannina, Greece <i>Lecturer</i> Nuclear Physics Laboratory, Physics Department</p>	<p>October 2009 - 2013</p>
<p>University of Ioannina, Ioannina, Greece <i>Lecturer (PD 407)</i> Nuclear Physics Laboratory, Physics Department</p>	<p>2008 - 2009</p>
<p>Katholieke Universiteit Leuven, Leuven, Belgium <i>Post-doctoral researcher</i> Institute for Nuclear and Radiation Physics</p>	<p>October 2006 - September 2008</p>
<p>National Technical University of Athens, Athens, Greece <i>Post-doctoral researcher</i> Department of Physics</p>	<p>September 2005 - September 2006</p>
<p>University of Ioannina, Ioannina, Greece <i>Post-doctoral researcher</i> Nuclear Physics Laboratory, Physics Department</p>	<p>March 2004 - September 2004</p>
<p>OTHER POSITIONS National Representative in NuPECC</p>	<p>May 2024 - now</p>

TEACHING &
SUPERVISION
EXPERIENCE

Classes: Student Laboratories of Electromagnetism (Coordinator since September 2017), Introduction to the computer science, Student laboratories for waves and optics, Computer Programming Languages, Modern Physics II, Nuclear Physics - postgraduate course, Laboratories in Modern Physics, Introduction in Nuclear Physics, Nuclear Physics and Technology, Physics Department, The University of Ioannina, academic years 2008-now

Advisor at the bachelor thesis project "Resonance nuclear reactions: The reaction $^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ "
Instituut voor kern- en stralingsfysica, Departement natuurkunde en sterrenkunde, K.U. Leuven, academic years 2006-2007.

Invitation within the ERASMUS programme: Experimental Nuclear Physics Techniques/Nuclear Reactions, "Summer School on Acceleration and Applications of Heavy Ions", University of Warsaw, Heavy Ions Laboratory, July 1-7 2012, July 7-13 2013

Supervision at eight (8) Master's thesis projects, Physics Department, The University of Ioannina, academic years 2015-2024

Supervision of more than twenty five (25) bachelor thesis projects, Physics Department, The University of Ioannina, academic years 2010-now

Supervision six (6) PhD students, Physics Department, The University of Ioannina, academic years 2017-now

BOOKS

Lecture Notes for the Modern Physics II class: Nuclear and Elementary Particle Physics, Available on - line: <http://nuclear.physics.uoi.gr>

Lecture Notes for the Nuclear Physics I class: <http://ecourse.uoi.gr/enrol/index.php?id=273>

Translation in Greek of the "Introductory Nuclear Physics", Kenneth S. Krane, Translators: Michael Kokkoris, Theodoros Mertzimekis, Nikolas Patronis, Stylianos Stoulos, Publisher: Gutenberg, ISBN: 978-960-01-2247-3

PUBLICATIONS

164 papers in peer-reviewed journals; 22 of them conference papers; more than 3600 citations; h-factor (Scopus) = 35

More than 120 papers in conference proceedings

RESEARCH
PROGRAMMS

Spokesperson of the INTC-P566 experiment at n_TOF- CERN entitled as: "Measurement of the fission cross-section of ^{243}Am at EAR-1 and EAR-2 of the CERN n_TOF facility", 2020

Spokesperson of the INTC-I-220 Letter of Intent at n_TOF- CERN entitled as: "Measurement of the neutron-neutron scattering length at the CERN n_TOF facility", 2020

Spokesperson of the INTC-I-230 Letter of Intent at n_TOF- CERN entitled as: "HPGe detector test at n TOF: Feasibility study for neutron inelastic scattering measurements", 2021

Spokesperson of the CHANDA project "Comparative study of the neutron beam spatial profile at n-TOF EAR-1 and EAR-2 using passive CR-39 track detectors", 2014

Spokesperson of the CHANDA project "Neutron beam profile at nTOF EAR-2 using CR-39 passive neutron detectors", 2016

Spokesperson of the IS-469 experiment at ISOLDE- CERN entitled as: “One neutron transfer reactions Around ^{68}Ni ”, 2009

Spokesperson of the CALIBRA project ”Cross section measurements of the (n,2n) reaction channel in the mass region A=127-136”, 2019

Scientific Officer on behalf of the University of Ioannina for the SANDA project ”Supplying Accurate Nuclear Data for energy and non-energy Applications”

Scientific Officer on behalf of the University of Ioannina for the G4G project ”G4G-Geant4-based Particle Simulation Facility in Greece for Future Science Mission Support”

REFEREE SERVICE

- Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
- Annals of Nuclear Energy
- Applied Radiation and Isotopes
- Analytica Chimica Acta
- European Physical Journal A
- Jordan Journal of Physics
- Swiss National Science Foundation