

Curriculum Vitae - Updated 13/12/2020

PERSONAL INFORMATION

Family Name, First Name: Ron, Guy
Date of Birth: Dec. 17, 1975
URL for web site: <http://www.phys.huji.ac.il/~gron>

HIGHER EDUCATION

2000 B.Sc. - Physics
 Physics Dept, Tel Aviv University, Israel
2009 PhD - Nuclear Physics (Supervisor - Prof. Eli Piassetzky)
 Physics Dept, Tel Aviv University, Israel
2009 – 2009 Postdoctoral Research Fellow (Supervisors - Prof. Micha Hass, Prof. Nir Davidson)
 Particle Physics Dept., Weizmann Institute of Science, Rehovot, Israel
2009 – 2011 Postdoctoral Research Fellow (Supervisor - Prof. Stuart Freedman)
 Lawrence Berkeley National Lab. Berkeley, USA

APPOINTMENTS AT THE HEBREW UNIVERSITY

2011 – Dec 2014 Senior Lecturer
 Racah Inst. of Physics, Hebrew University of Jerusalem, Jerusalem, Israel
Dec 2014 – Oct 2019 Assc. Professor (Tenured)
 Racah Inst. of Physics, Hebrew University of Jerusalem, Jerusalem, Israel
Oct 2019 – Full Professor (Tenured)
 Racah Inst. of Physics, Hebrew University of Jerusalem, Jerusalem, Israel

ADDITIONAL FUNCTIONS AT THE HEBREW UNIVERSITY

2011 – 2019 Teaching committee member, Physics Dept., Hebrew University
2012 – Machine shop academic management committee, Physics Dept., Hebrew University
2013 – 2019 Faculty representative to the academic library, Faculty of Natural Sciences, Hebrew University
2014 – 2019 Faculty representative to Library Authority Board of Directors, Hebrew University
2015 – 3D and Functional Printing Center academic committee member, Hebrew University

SERVICE IN OTHER ACADEMIC INSTITUTIONS

2013 – Adjunct Research Assistant Professor
 Dept. of Physics, The George Washington University, Washington DC, USA

OTHER ACTIVITY

2011 – Grant reviewer and grant panel member, Israeli Science Foundation
2011 – Grant reviewer and grant panel member, BSF
2014 – Member of the Israeli National Nuclear Physics Committee, Israeli Academy of Sciences, Israel
2016 – Member of the European Society Nuclear Physics Boards
2017 – Grant reviewer and grant panel member, NSF
2017 – Member of Racah Institute of Physics selection committee

FELLOWSHIPS AND AWARDS

2007	Joseph Dotan Fellowship, Tel Aviv University, Israel
2007 – 2009	Adams PhD Fellow, Israeli Academy of Science, Israel
2008	Jehuda Eisenberg Fellowship, Tel Aviv University, Israel
2009 – 2010	Rotschild Postdoctoral Fellowship Award
2009	JLab/JSA Best graduate thesis prize
2009	Dean's postdoctoral fellowship, Weizmann Institute of Science, Israel
2011 – 2015	Samuel Sigfried Wolf Lecturer in Nuclear Physics, Hebrew University
2012	Golda Meir Fellow, Hebrew University
2012	Runner-up, Nuclear Physics Thesis Award, European Physics Society
2015 –	Kalman & Malka Cooper Chair in Nuclear Physics

Teaching at the Hebrew University

Supervision of Masters and doctoral degree students (Numbers indicate papers in LOP)

Master's Degree Students

- 2011 – 2013, Boaz Lubotzky, "Electromagnetically Induced Transparency and Absorption in Ne*". Degree Completed.
- 2011 – 2013, Ben Ohayon, "Design and Construction of a Novel, Modular, Zeeman Slower for a Ne* Beam". Switched to Direct PhD Track. (25)
- 2011 – 2013, David Izraeli, "Design and Simulation of a Very Low Energy Neutron Polarimeter". Degree Completed.
- 2013 – 2015, Tom Segal, "Bunching in an Electrostatic Trap and Production of ^{23}Ne via the (n,p) Reaction". Degree Completed, (44)
- 2013 – 2015, Dan Cohen, "Design and Construction of a Frozen Neon Positron Moderator". (P1, P2, P5)
- 2013 – 2015, Jonathan Mishnayot, "Additive Manufacturing of Scintillating Materials". (30)
- 2014 – 2016, Daniel Drebin, "Novel solid-state devices for electrostatic confinement and charge sensing of positrons" (Jointly with Dr. Hadar Steinberg).
- 2017 – Present, Gilad Erlichman, "Lifetime measurements using a positron annihilation lifetime spectroscopy setup".
- 2020 – Present, Ophir Ruhimi, "Construction of a H_2^{18}O neutron production target for MACS measurements".

Doctoral Degree Students

- 2011 – 2016, Moshe Friedman, "The Proton Electromagnetic Form Factor Ratio at Very Low Q^2 and a New Extraction of the Proton Radius". (66)
- 2013 – 2019, Ben Ohayon, "Magneto Optical trapping of Radioactive Neon Isotopes". (32, 38, 42, 50, 61, 63, 64, 69)
- 2016 – Present, Jonathan Mishnayot, "Beta neutrino correlations in trapped ^6He ". (40, 44, 50, 53, 54, 61, 73,76)
- 2016 – Present, Dan Cohen, "The proton radius puzzle and the MUSE experiment". (80, 81)
- 2018 – Present, Paz Or, "Measurements using a slow positron beam". (57, 80, 81)

Post-doctoral Fellows (Numbers indicate papers in LOP)

- Dr. Jonathan Dumas, Design and Construction of a Low Energy Positron Beam Line Based on a Frozen Neon Moderator, July 2013 – July 2014. Research conducted in my lab. (P1, P2)
- Dr. Aidan Kelleher, Design and Construction of a Low Energy Positron Beam Line Based on a Frozen Neon Moderator, July 2011 – July 2013. Research conducted in my lab.
- Dr. Ran Shneor, Simulations of a Very Low Energy Neutron Polarimeter and the Proton Form Factor Ratio at Low Q^2 , 2011-2012. Research conducted in my lab.
- Dr. Hitesh Rahangdale, Beta neutrino correlations in trapped isotopes. (50, 61, 63, 64, 69,73)
- Dr. Vishal Srivastava, Beta neutrino correlations in trapped isotopes.

Courses taught at HUJI in the last 5 years

- Mechanics and Special Relativity for physics students
- Electromagnetism for medical science students
- Physics for decision makers - Cornerstone class
- Nuclear physics
- Physics undergraduate lab C - both lab manager and lab instructor
- Advanced data analysis
- Yeah right - A cornerstone class on critical thinking

RESEARCH GRANTS

Project Title	Funding Source	Total Amount (Euro)	Period
Radiation Damage Studies using Intense Laser and Positron Beams	MOST	1.8MNIS	2020-2023
New Methods and Measurements of Stellar Neutron- Induced Reaction Cross Sections	ISF	880 KNIS	2019-2022
New Methods and Measurements of Stellar Neutron- Induced Reaction Cross Sections	GIF	240K	2020-2023
Testing the standard model using trapped rare isotopes	ERC	1.5M	2017–2021
Novel directions towards precision measurements of the $\beta\nu$ correlation	IAEA / Pazi	90K	2016–2019
Testing the Standard Model Using Trapped Rare Isotopes	ISF	340K	2015–2019
Production of Rare Isotopes at SARAF	IAEA	30K	2015-2018
Calculations and Simulations for Prompt Fission	IAEA	15K / year	Ongoing
A Laboratory for Accelerator Based Nuclear Physics at SARAF	IAEA / Pazi	550K	2014-2018
Collaborative Research: R&D for the PSI MUSE Experiment	NSF / DOE	45K at HUJI	2016
Collaborative Research: R&D for the PSI MUSE Experiment	BSF	45K at HUJI	2016
The MUSE Experiment	BSF	160K at HUJI	2016-2017
The MUSE Experiment	BSF	160K at HUJI	2018-2020
3D Printed Optical Boards	Internal HUJI	45K	2015–2016
Development of a prototype detector assembly for the MUSE experiment	NSF	152K\$	2014-2015
Additive Manufacturing Using Scintillating Materials	HUJI	25K\$	2014
Production of Rare Isotopes at SARAF	IAEA	30K	2014-2015
Testing the standard model with trapped radioactive isotopes	ISF	190K + 170K for Equipment	2012-2015
Electrostatic trapping of radioactive ions	BSF	50K	2011-2015
Slow Positron Beam	MOST	260K	2012-2014
Calculations and Simulations for Prompt Fission	IAEA	15K/yr	2012-2017
A Laboratory for Accelerator Based Nuclear Physics at SARAF	IAEA/Pazi	550K	2014-2018
Neutron Modification in the Nuclear Medium	GIF	30K	2012
Electromagnetically Induced Transparency in Metastable Neon	Israeli DOD	23K	2012