



Curriculum Vitae

Personal information

Surname(s) / First name(s) **LAZANU Ionel**
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Nationality(-ies) Romanian
Date of birth 24.05.1957

Workplace / Occupational field

University of Bucharest, Faculty of Physics, Romania / Physics Teaching and research.

Research interests: Interactions of radiation in matter and detection techniques; Particle physics and cosmological aspects; Neutrino physics

International Collaborations: NP02/DP (*WA-105*) Collaboration, deputy leader of the Romanian Team, CERN Project, (approved); *LAGUNA-LBNO* (member, FP-7 project, 2011-2014), *LAGUNA* (member, FP-7 project, 2008-2011), *CBM* (Compressed Baryonic Matter) experiment at FAIR (since 2005), *CERN-RD50* (Radiation hard semiconductor devices for very high luminosity colliders, since 2002); *Bucharest – Dubna – Torino* (Interactions of pions with light nuclei, using streamer chambers, member, 1985 - 1992).

Work experience

Dates	2003 – present	1997 - 2003	1995 – 1997
Occupation or position held	Professor	Reader	Lecturer
Main activities and responsibilities	Teaching and research (experiment and phenomenology) in Nuclear and Particle Physics, Cosmology	Teaching and research (experiment and phenomenology) in Nuclear and Particle Physics, Cosmology	Teaching and research (experiment and phenomenology) in Nuclear and Particle Physics, Cosmology
Name and address of employer	Faculty of Physics Physics, Str. Atomistilor 405, Magurele	Faculty of Physics Physics, Str. Atomistilor 405, Magurele	Faculty of Physics Physics, Str. Atomistilor 405, Magurele
Dates	1993-1995	1984 - 1993	1981 – 1984
Occupation or position held	Assistant Professor	Physicist and researcher	Teacher (Physics)
Main activities and responsibilities	Teaching and research Nuclear and Particle Physics, Cosmology	Research in Nuclear and Atomic Physics (1990-1992 - JINR Dubna)	Teaching physics
Name and address of employer	Faculty of Physics Physics, Str. Atomistilor 405, Magurele	National Institute of Physics and Nuclear Engineering , Str. Atomistilor 407, Magurele	Ilfov

Education and training

Dates	1985-1992
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	PhD in Radiation Physics; Thesis title: 'Pions Absorption in He-3' Supervisor: Professor Alexandru Mhul
Dates	1980 – 1981
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Title of qualification awarded	MSc
Principal subjects/occupational skills covered	Atomic, Nuclear and Elementary Particle Physics
Dates	1976 – 1980
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Title of qualification awarded	Bachelor of Science
Principal subjects/occupational skills covered	Physics

Personal skills and competences

Mother tongue Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Independent User	Independent User	Independent User	Independent User	Independent User
Independent User	Independent User	Independent User	Independent User	Independent User

(*) Common European Framework of Reference (CEF) level

List of research grant as project coordinator/responsible partner team

- NEPHYLAro (modul 5.2 RO_CERN) 2017.
- Dubna contract 2015 (Anex to JINR Order no. 34/23-01-2015, poz. 72, contract 03-4-1104-2011/2016).
- Dubna contract 68/2014.
- Detection systems for cosmic radiation using new technologies (DETCOS) PNCDI II, Partnership 82-104/2008.
- GRID techniques in astrophysics with applications to modelling and processing space data, (GRAPH), PNCDI II, Partnership UB 82-077/2008.

	<ul style="list-style-type: none"> - Advanced studies for obtaining semiconductor detectors able to operate in intense hadron and lepton fields, with energies up to hundreds of TeV, PNCDI I/ CERES 69/2004. - Modelling and engineering of defects in semiconductors, for obtaining radiation hard detectors for applications in the physics of particles and heavy ions produced in accelerators or by astrophysical sources, and industrial applications, PNCDI I/ MATNANTECH 219 (404)/2004, UB 219(404)/2004. - Kinetics of defects induced in semiconductors by irradiation with particles and ions of intermediate and high energies, PNCDI I /CERES 17/2001.
Other projects	<ul style="list-style-type: none"> - LAGUNA (proiect FP 7: Grant Agreement No. 212343): Design of a pan European infrastructure for Large Apparatus for Grand Unification and Neutrino Astrophysics; 2008-2011. - LAGUNA-LBNO (proiect FP 7): Design of a pan-European Infrastructure for Large Apparatus studying Grand Unification, Neutrino Astrophysics and Long Baseline Neutrino Oscillations; 2011-2014.
Co-Coordinator for study programs	<ul style="list-style-type: none"> - Interactii atomice, nucleare, particule elementare, astrofizica si aplicatii, IANPEAA (master, 2008-2013). - Fizica atomului, nucleului, particule elementare, astrofizica si aplicatii FANPEAA (master, since academic year 2013-2014). - Fizica (since academic year 2016-2017).
Organisational skills and competences	<p>Elected Head of the Atomic and Nuclear Physics Chair (2008-2011) Elected member of the Council of the Faculty (2000-2011, 2015- present) Elected Member of the Dissemination Board WA105 Collaboration</p> <p>Member of the Romanian Physics Society, Secretary of the Section: Nuclear Physics, Elementary Particles, Astrophysics, Cosmology (2009-2013) Member of the European Physics Society</p>
Computer skills and competences	<p>Matlab, simulation codes</p>