



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) ARSENE NICUSOR
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 Nationality Romanian
 Date of birth 16.05.1988

Gender M

Desired employment / Occupational field

NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS / PLASMA PHYSICS

INSTITUTE OF SPACE SCIENCE

Work experience

	18 months	7 months
Dates	July 2010 - December 2011	December 2011 - present
Occupation or position held	Scientific Research Assistant	Scientific Research Assistant
Main activities and responsibilities	Thin layers deposition with arc plasma source	Cosmic rays at ultra high energy
Name and address of employer	INFLPR Magurele, str. Atomistilor, nr. 409 Bucharest-Măgurele Romania	Institute of Space Science, Bucharest-Măgurele Romania

Education and training

	2010-2012	2007-2010	2004-2007
Title of qualification awarded	Physicist	Licensed in Physics	Baccalaureate diploma
Principal subjects/occupational skills covered	Atomic and Nuclear physics, Astrophysics and elementary particles	Theoretical physics	Physics-Chemistry
Name and type of organisation providing education and training	Faculty of Physics - University of Bucharest	Faculty of Physics - University of Bucharest	Theoretical High School "Cuza-Voda" Husi
	2012 - present PhD Student Faculty of Physics - University of Bucharest "Ultra High Energy cosmic rays" domain		

Personal skills and competences

Mother tongue(s)

Romanian language

Other language(s)

Self-assessment

European level (*)

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	French	B2	French	B2	French	B2	French	B2	French
B2	English	B2	English	B2	English	B2	English	B2	English

Computer skills and competences

Programming language C/C++, ROOT, Mathematica, Operating system LINUX, Windows, etc.

Additional information

Publication
ISI article

1. "Pure, smooth and dense W films obtained by an anodic arc plasma"
Vol. 5, No. 12, December 2011, p. 1336 – 1340, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS

2. "On the possibility to discriminate the mass of the primary cosmic ray using the muon arrival times from extensive air showers: Application for Pierre Auger Observatory."
N. Arsene, H. Rebel, O. Sima, AIP Proceedings – Carpathian Summer School 2012

3. "Back-to-Back Black Holes decay Signature at Neutrino Observatories"
Nicusor Arsene, Xavier Calmet, Laurentiu Ioan Caramete, Octavian Micu
<http://arxiv.org/abs/1303.4603> - under review

Summer schools

1. GSI-Summer School 2010, Darmstadt - Germany.

2. Carpathian Summer School 2012 - "Exotic nuclei and nuclear astrophysics", Sinaia - Romania

3. International Summer School for Advanced Studies 2012
"Dynamics of open nuclear systems"- Predeal, Romania

Oral talks on conferences

1. Carpathian Summer School 2012: "On the possibility to discriminate the mass of the primary cosmic ray using the muon arrival times from extensive air showers: Application for Pierre Auger Observatory."

2. Annual session of communications – Faculty of Physics University of Bucharest

