

PERSONAL INFORMATION **Alexandru Dumitrescu**

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Gender Male | Date of birth 6 March 1989 | Nationality Romanian

## WORK EXPERIENCE

2015 – Present **Research Assistant**

Department of Theoretical Physics, “Horia Hulubei” National Institute of Research & Development for Physics and Nuclear Engineering; Reactorului Str. No. 30, P.O. Box MG-6, Bucharest-Măgurele, Romania

Nuclear structure and particle-emission calculations concerning  $\alpha$ -emitters.

2012–2014 **Physicist**

Department of Theoretical Physics, “Horia Hulubei” National Institute of Research & Development for Physics and Nuclear Engineering; Reactorului Str. No. 30, P.O. Box MG-6, Bucharest-Măgurele, Romania

Nuclear structure and particle-emission calculations concerning  $\alpha$ -emitters.

## EDUCATION AND TRAINING

2013–2016 **Doctoral Studies in Theoretical Physics**

University of Bucharest – Department of Physics in cooperation with the Department of Theoretical Physics of NIPNE-HH.

- nuclear structure
- $\alpha$ -particle emission studies for heavy even-even and odd-mass nuclei
- $\alpha$ -particle preformation studies using microscopic and phenomenological methods

2011-2013 **Master Degree in Theoretical Physics**

University of Bucharest – Department of Physics in cooperation with the Department of Theoretical Physics of NIPNE-HH.

- nuclear structure
- $\alpha$ -particle emission studies for heavy even-even nuclei

2008-2011 **Bachelor’s Degree in Physics**

University of Bucharest – Department of Physics

**PERSONAL SKILLS**


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Mother tongue Romanian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C1	C1	B1	B1	B1

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user  
[Common European Framework of Reference \(CEF\) level](#)

Computer skills – Linux Debian  
 – FORTRAN,  $\LaTeX$ , Open Office, gnuplot, tikz  
 – bash scripting  
 – Microsoft Windows, Microsoft Office

**ADDITIONAL INFORMATION**


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Publications – D.S. Delion, A. Dumitrescu and V.V. Băran, Physical Review C 93 (4), 044321 (2016)  
 – A. Dumitrescu and D.S. Delion, Physical Review C 93 (2), 024313 (2016)  
 – D.S. Delion and A. Dumitrescu, Physical Review C 92 (2), 021303(R) (2015)  
 – A. Dumitrescu and D.S. Delion, Romanian Journal of Physics 60 (5-6), 767-771 (2015)  
 – D.S. Delion and A. Dumitrescu, Atomic Data and Nuclear Data Tables 101, 1-40 (2015)  
 – D.S. Delion and A. Dumitrescu, Physical Review C 87 (4), 044314 (2013)  
 – D.S. Delion and A. Dumitrescu, Romanian Journal of Physics 58, 1167 (2013)