



Butuza Andrei

Nationality: Date of birth: Place of birth:

✉ Email address:

EDUCATION AND TRAINING

Master's Degree in Computational Physics

Babes-Bolyai University [01/10/2018 – 01/07/2020]

Address: str. Mihail Kogalniceanu, no. 1, Cluj-Napoca (Romania) | Website: <https://www.ubbcluj.ro/ro/> | Field(s) of study: Natural sciences, mathematics and statistics: • Physics | Level in EQF: EQF level 7 | Type of credits: ECTS | Number of credits: 120 | Thesis: Total Kinetic Energy in Nuclear Fission

Licentiate in Physics

Babes-Bolyai University [01/10/2015 – 20/06/2018]

Address: str. Mihail Kogalniceanu, no. 1, Cluj Napoca (Romania) | Website: <https://www.ubbcluj.ro/ro/> | Field(s) of study: Natural sciences, mathematics and statistics: • Physics | Level in EQF: EQF level 6 | Type of credits: ECTS | Number of credits: 180 | Thesis: Study of partial ionised plasma using quantum electrodynamics

Practice Work

Joint Institute of Nuclear Research [10/05/2017 – 01/06/2017]

City: Dubna | Country: Russia | Website: <https://www.jinr.ru/main-en/> | Field(s) of study: Natural sciences, mathematics and statistics: • Physics

- practice work on a project in Fluid Dynamics involving complex analysis and statistical mathematics
- the work was presented at a conference that took place on site as part of the practice project

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Excel / Microsoft Office / Microsoft Word / Programming Language Python / Programming Language Java / Microsoft Powerpoint / LaTeX Software / Mathematica (basic) / Programming Language Octave/Matlab

PROJECTS

[12/2018 – 01/2020]

Total Kinetic Energy in Nuclear Fission

- The project is based on the analysis of the nuclear fission process using an improved scission point model.
- A scholarship was given for this project by the World Federation of Scientists

CONFERENCES AND SEMINARS

[03/09/2023 – 08/09/2023] Cluj Napoca

6th Grandmaster Early Career Workshop in Physics

- I gave an oral presentation titled " Charge, mass and energy distribution of neutron-induced fission of light actinides"

PUBLICATIONS

[2024]

Charge distribution and total kinetic energy in the fission of Rn, Ra and U

Andrei Butuza. "Charge distribution and total kinetic energy in the fission of Rn, Ra and U". In: The European Physical Journal A 60.11 (Nov. 2024). issn: 1434-601X. doi: 10 . 1140 / epja / s10050 - 024 - 01423- 2.