Curriculum Vitae

PERSONAL INFORMATION

Family name: Nițescu
First name: Ovidiu-Vasile
Date of birth: , Sex Nationality:
Email address: ovidiu.nitescu@nipne.ro;

- **EDUCATION**

2020 – 2025 PhD in Nuclear and Subnuclear Physics
Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovakia
ina rad Summa Cum Laude
Prof. RNDr. Fedor Šimkovic, CSc.

2019 – 2023 PhD in Theoretical and Computational Physics
Faculty of Physics, University of Bucharest, Romania
ina rad Summa Cum Laude
Prof. Dr. Sabin Stoica

2017 – 2019 Master in Theoretical and Computational Physics
Faculty of Physics, University of Bucharest, Romania
Assoc. Prof. Dr. Iulia Ghiu and Prof. Dr. Sabin Stoica

2013 – 2017 Bachelor's degree
Faculty of Physics, University of Bucharest, Romania
Prof. Dr. Ionel Lazanu

- **CURRENT POSITION(S)**

2026 – present Assistant Researcher
Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Department of Nuclear Physics, Romania

- **PREVIOUS POSITION(S)**

2016 – 2025 Assistant Researcher
Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Department of Theoretical Physics, Romania

2018 – 2025 Research Scientist

International Centre for Advanced Training and Research in Physics (CIFRA) – UNESCO Category II Centre, Romania

- **AWARDS**

2025 3rd prize in the Young Physicists' Scientific Competition organized by the Slovak Physical Society

2017 *Şerban Ţiţeica award* for remarkable scientific contributions of young researchers in Theoretical Physics, Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Romania

2017 1st prize in National Physics Contest *Dragomir Hurmuzescu*, Romania

2016 mention in National Physics Contest *Dragomir Hurmuzescu*, Romania

2015 3rd prize in National Physics Contest *Dragomir Hurmuzescu*, Romania

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2024 Member in the Organizing Committee for the Advances in the investigation of weak and strong interactions, 1-4 July, Bucharest, Romania
https://indico.global/event/13467/

2017 Secretary in the Organizing Committee for the VIII International Pontecorvo Neutrino Physics School, 1-10 September, Sinaia, Romania
http://theor.jinr.ru/~neutrino19/

- **INSTITUTIONAL RESPONSIBILITIES**

2020 – present Member in the Board of the Horia Hulubei Foundation, Romania

- **REVIEWING ACTIVITIES**

2024 – present Referee for scientific journals: Physical Review C, Universe.

- **OUTREACH**

2020 – 2021 Exhibitor in the events Researcher's Night (Noaptea Cercetătorilor) 2020 and 2021 with the experiment "Non-Newtonian Fluid for Kids"

- **SCIENTIFIC OUTPUT**

ORCID: 0000-0002-9598-8415, Total publications 23/27/27, H-index: 6/7/7, Total number of citations: 122/133/175 according to Web of Science / iNSPIRE-HEP / Google Scholar.
13 publications as first author and 5 publications as corresponding author

- **DISSEMINATION**

15 presentations (3 invited) at international conferences including: MAYORANA2025-Modica, NME2025-Osaka, NuMass2024-Genova, MEDEX'23-Prague, MEDEX'22-Prague, EuCAPT Astroneutrino Theory Workshop 2021-Prague

- **INVOLVEMENT IN INTERNATIONAL COLLABORATIONS**

  The theoretical predictions from the scientific output have been directly requested by major international collaborations and laboratories conducting cutting-edge research on double beta decay (CUORE, CUPID, MAJORANA, GERDA, LEGEND, SuperNEMO, STELLA Laboratory of LNGS-INFN), dark matter detection (LUX-ZEPLIN, XENON, PandaX, DARWIN), and the measurement of the beta decay spectrum and neutrino mass scale (MARE, ASPECT-BET).

- **LIST OF INTERNATIONAL RESEARCH PROJECTS**

PRINCIPAL INVESTIGATOR:

1. *Project name:* UK/287/2023, Exchange Correction in Allowed and Forbidden Nuclear β-Decay; *Source of funding:* Comenius University in Bratislava; *Total grant of the institution:* 1000 EUR; *Project implementation period:* 2023-01 2023-12; *Principal Investigator:* Ovidiu Nițescu; *Contribution to the project outputs by publications:* items 1 and 8 from the List of Publications. https://uniba.sk/fileadmin/ruk/veda/GUK/4.4.2023_Zoznam_pridelenych_Grantov_UK_rok_2023_nahradnici.pdf

INVESTIGATOR:

1. *Project name:* PN-III-P4-ID-PCE-2016-0078, Neutrino properties derived from the study of rare decay processes at low and high energies; *Source of funding:* Romanian Ministry of Research and Innovation; *Total grant of the institution:* 189000 EUR; *Project implementation period:* 2017-2019; *Principal Investigator:* Prof. Sabin Stoica; *Investigator:* Ovidiu Nițescu.
2. *Project name:* PN-III-P4-ID-PCE-2016-0092, Dynamical effects in nuclear disintegrations, including fission, cluster and alpha decay; *Source of funding:* Romanian Ministry of Research and Innovation; *Total grant of the institution:* 189000 EUR; *Project implementation period:* 2017-2019; *Principal Investigator:* Prof. Mihail Mirea; *Investigator:* Ovidiu Nițescu.
3. *Project name:* PN-III-P1-1.2-PCCDI-2017-0371, Extensive use of experience in space and security activities; *Source of funding:* Romanian Ministry of Research and Innovation; *Total grant of the institution:* 831469 EUR; *Project implementation period:* 2018-2021; *Principal Investigator:* Prof. Vlad Popa; *Investigator:* Ovidiu Nițescu.
4. *Project name:* JINR Dubna project for collaboration with Romania-Theoretical Study of the Double Beta Decay (2018); *Source of funding:* JINR; *Total grant of the institution:* 24000 USD; *Project implementation period:* 2018-01 2018-12; *Principal Investigators:* Prof. Sabin Stoica and Prof. Fedor Šimkovic; *Investigator:* Ovidiu Nițescu. https://cifra-c2unesco.ro/projects/vess-18-2018-valorificarea-extensiva-a-experientei-in-activitati-de-spatiu-si-securitate/
5. *Project name:* JINR Dubna project for collaboration with Romania-Theoretical Study of the Double Beta Decay (2019); *Source of funding:* JINR; *Total grant of the institution:* 17500 USD; *Project implementation period:* 2019-01 2019-12; *Principal Investigators:* Prof. Sabin Stoica and Prof. Fedor Šimkovic; *Investigator:* Ovidiu

Niţescu.
https://cifra-c2unesco.ro/projects/vess-18-2018-valorificarea-extensiva-a-experientei-in-activitati-de-spatiu-si-securitate/

6. *Project name:* VEGA 1/0607/20, Physics of massive neutrinos and nuclear Structure; *Source of funding:* Slovak Ministry of Education; *Total grant of the institution:* 41 007 EUR; *Project implementation period:* 2020-01 2023-12; *Principal Investigator:* Prof. Fedor Šimkovic; *Investigator:* Ovidiu Niţescu
7. *Project name:* PN-III-P4-ID-PCE-2020-2374, Contributions to the study of double-beta decay and investigation of physics beyond the Standard Model; *Source of funding:* Romanian Ministry of Research, Innovation, and Digitalization; *Total grant of the institution:* 250000 EUR; *Project implementation period:* 2021-2023; *Principal Investigator:* Prof. Sabin Stoica; *Investigator:* Ovidiu Niţescu.
https://cifra-c2unesco.ro/projects/contributions-to-the-study-of-double-beta-decay-and-investigation-of-physics-beyond-the-standard-model/
8. *Project name:* PN-III-P1-1.1-TE-2021-0343, Investigations of beyond standard model physics from theoretical studies of double-beta decay; *Source of funding:* Romanian Ministry of Research, Innovation, and Digitalization; *Total grant of the institution:* 93750 EUR; *Project implementation period:* 2022-2024; *Principal Investigator:* Dr. Andrei Neacşu; *Investigator:* Ovidiu Niţescu.
https://cifra-c2unesco.ro/projects/investigations-of-beyond-standard-model-physics-from-theoretical-studies-of-double-beta-decay/
9. *Project name:* PNRR-I8/C9-CF264, NEutrino Properties Through Use of Nuclei (NEPTUN); *Source of funding:* Romanian Ministry of Research, Innovation, and Digitalization; *Total grant of the institution:* 1 418 668 EUR; *Project implementation period:* 2023-07 2026-06; *Principal Investigator:* Prof. Jouni Suhonen; *Investigator:* Ovidiu Niţescu.
https://cifra-c2unesco.ro/projects/neutrino-properties-through-use-of-nuclei-neptun/
10. *Project name:* VEGA 1/0618/24, Probing masses of neutrinos with atomic nuclei; *Source of funding:* Slovak Ministry of Education; *Total grant of the institution:* 14 610 EUR in 2025; *Project implementation period:* 2024-01 2027-12; *Principal Investigator:* Prof. Fedor Šimkovic; *Investigator:* Ovidiu Niţescu
11. *Project name:* APVV-22-0413, Exploring neutrino properties and interactions using reactor, atmospheric, astrophysical neutrinos, and atomic nuclei; *Source of funding:* Slovak Research and Development Agency - APVV; *Total grant of the institution:* 145 000 EUR; *Project implementation period:* 2023-07 2027-06; *Principal Investigator:* Prof. Fedor Šimkovic; *Investigator:* Ovidiu Niţescu
https://www.apvv.sk/granty-a-schemy/vsetky-vyzvy/vv-2022.html?tab=promoted_projects

- **MOST IMPORTANT THREE ACHIEVEMENTS**

1. Theoretical support for the analysis and publication of results obtained by the CUORE collaboration and the STELLA laboratory, which investigate the double beta decay of 130Te and 150Nd, respectively. The corresponding publications are items No. 9 and No. 10 in the list of publications:

- Physical Review Letters 135 (8), 082501 (2025), https://doi.org/10.1103/jdhf-hn4l
- The European Physical Journal C 85 (2), 174 (2025), https://doi.org/10.1140/epjc/s10052-025-13901-y).

2. Involvement in publications related to the measurement of the Q-value and theoretical predictions of the neutrino spectrum and half-lives for various low Q-value electron capture processes, which are considered promising future candidates for the determination of the neutrino mass scale. The corresponding publications are items No. 11 and No. 17 in the list of publications:
   - Physical Review C 112 (3), 035501 (2025), https://doi.org/10.1103/g393-sxlw
   - Physics Letters B 859, 139094 (2024), https://doi.org/10.1016/j.physletb.2024.139094
3. Development of a theoretical model for the electron spectrum in beta decay, achieving agreement with experimental data, particularly in the low-energy region of the spectrum. The key advancement was a re-evaluation of the atomic exchange correction, addressing a critical issue in previous models. Specifically, the failure to enforce orthogonality between continuum and bound electron states in the final atom led to inaccuracies in the calculated overlap integrals, resulting in an artificial downturn of the total exchange correction. By enforcing orthogonality within a modified self-consistent Dirac–Hartree–Fock–Slater method, the new model achieved significantly improved agreement with experimental spectra, notably reproducing the increasing low-energy behaviour observed in beta decays of 67Ni, 151Sm, and 210Pb, where earlier models fell short. The corresponding publications are items No. 1 and No. 8 in the list of publications:
   - Physical Review C 107 (2), 025501 (2023), https://doi.org/10.1103/PhysRevC.107.025501
   - Physical Review C 109 (2), 025501 (2024), https://doi.org/10.1103/PhysRevC.109.025501

12.01.2026

Dr. Nițescu Ovidiu-Vasile

LISTA PUBLICAȚIILOR ȘTIINȚIFICE

- **Lista a cel mult 10 publicații științifice, cele mai relevante, precum: cărți de autor, articole/studii/capitole, volume editate, lucrări:**

1. O. Nițescu, S. Stoica, F. Šimkovic, Exchange correction for allowed β decay, **Physical Review C 107 (2), 025501 (2023)**, AIS=0.679, https://doi.org/10.1103/PhysRevC.107.025501, 28/21/13 citations (Google Scholar/INSPIRE-HEP/Web of Science)
2. O. Nițescu, S. Ghinescu, S. Stoica, Lorentz violation effects in 2νββ decay, **Journal of Physics G: Nuclear and Particle Physics 47 (5), 055112 (2020)**, AIS=1.105, https://dx.doi.org/10.1088/1361-6471/ab7e8c, 27/20/16 citations (Google Scholar/INSPIRE-HEP/Web of Science)
3. O. Nițescu, S.A. Ghinescu, M. Mirea, S. Stoica, Probing Lorentz violation in 2νββ using single electron spectra and angular correlations, **Physical Review D 103 (3), L031701 (2021)**, AIS=1.108, https://doi.org/10.1103/PhysRevD.103.L031701, 16/9/9 citations (Google Scholar/INSPIRE-HEP/Web of Science)
4. O. Nițescu, R. Dvornický, S. Stoica, F. Šimkovic, Angular Distributions of Emitted Electrons in the Two-Neutrino ββ Decay, **Universe 7 (5), 147 (2021)**, AIS=0.639, https://doi.org/10.3390/universe7050147, 19/18/8 citations (Google Scholar/INSPIRE-HEP/Web of Science)
5. O. Nițescu, S. Ghinescu, V.A. Sevestrean, M. Horoi, F. Šimkovic, S. Stoica, Theoretical analysis and predictions for the two-neutrino double electron capture of 124Xe, **Journal of Physics G: Nuclear and Particle Physics 51 (12), 125103 (2024)**, AIS=0.915, https://dx.doi.org/10.1088/1361-6471/ad8767, 7/9/4 citations (Google Scholar/INSPIRE-HEP/Web of Science)
6. V.A. Sevestrean, O. Nițescu*, S. Ghinescu, S. Stoica, Self-consistent calculations for atomic electron capture, **Physical Review A 108 (1), 012810 (2023)**, (*corresponding autor), AIS=0.778, https://doi.org/10.1103/PhysRevA.108.012810, 11/8/6 citations (Google Scholar/INSPIRE-HEP/Web of Science)
7. O. Nițescu, S. Ghinescu, S. Stoica, F. Šimkovic, A systematic study of two-neutrino double electron capture, **Universe 10 (2), 98 (2024)**, AIS=0.676, https://doi.org/10.3390/universe10020098, 7/7/6 citations (Google Scholar/INSPIRE-HEP/Web of Science)
8. O. Nițescu*, R. Dvornický, F. Šimkovic, Atomic corrections for the unique first-forbidden β transition of 187Re, **Physical Review C 109 (2), 025501 (2024)**, (*corresponding autor), AIS=0.630, https://doi.org/10.1103/PhysRevC.109.025501, 6/5/2 citations (Google Scholar/INSPIRE-HEP/Web of Science)
9. CUORE collaboration + D. Castillo, J. Kotila, J. Menéndez, O. Nițescu, F. Šimkovic, Half-life and precision shape measurement of 2νββ decay of 130Te, **Physical Review Letters 135 (8), 082501 (2025)**, AIS=2.885, https://doi.org/10.1103/jdhf-lnv4l, 1/2/0 citations (Google Scholar/INSPIRE-

HEP/Web of Science)

10. STELLA laboratory + D.L. Fang, O. Nițescu, F. Šimkovic, Double-beta decay of 150Nd to excited levels of 150Sm, **The European Physical Journal C 85 (2), 174 (2025)**, AIS=1.045, https://doi.org/10.1140/epjc/s10052-025-13901-x, 2/3/1 citations (Google Scholar/INSPIRE-HEP/Web of Science)

- **Lista articolelor/studiilor în extenso, publicate în reviste din fluxul științific internațional principal:**

11. Z. Ge et al., High-precision direct decay energy measurements of the electron-capture decay of 97Tc, **Physical Review C 112 (3), 035501 (2025)**, AIS=0.630, https://doi.org/10.1103/rg393-xx1w, 0/1/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
12. F.A. Danevich, et al., Double-beta decay of 150Nd to excited levels of 150Sm, **Proceedings of Science, Volume 495 - MEDEX2025 (2025)**, AIS=NaN, https://doi.org/10.22323/1.495.0022, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
13. V.A. Sevestrean, O. Nițescu and S. Ghinescu, Low-Q Electron-Capture Decays of 95Tc and 97Tc as Candidates for Neutrino-Mass Determination, **Proceedings of Science, Volume 495 - MEDEX2025 (2025)**, AIS=NaN, https://doi.org/10.22323/1.495.0012, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
14. S. Stoica, O. Nițescu and S. Ghinescu, Kinematic Factors for Beta and Double Beta Decay, **Proceedings of Science, Volume 495 - MEDEX2025 (2025)**, AIS=NaN, https://doi.org/10.22323/1.495.0014, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
15. O. Nițescu*, F. Šimkovic, Radiative and exchange corrections for two-neutrino double-β decay, **Physical Review C 111 (3), 035501 (2025)**, (*corresponding autor), AIS=0.630, https://doi.org/10.1103/PhysRevC.111.035501, 5/5/1 citations (Google Scholar/INSPIRE-HEP/Web of Science)
16. O. Nițescu, F. Šimkovic, Semi-empirical formula for two-neutrino double-β decay, **Physical Review C 111 (2), 024307 (2025)**, AIS=0.630, https://doi.org/10.1103/PhysRevC.111.024307, 2/3/1 citations (Google Scholar/INSPIRE-HEP/Web of Science)
17. Z. Ge et al., High-precision measurements of the atomic mass and electron-capture decay Q value of 95Tc, **Physics Letters B 859, 139094 (2024)**, AIS=1.108, https://doi.org/10.1016/j.physletb.2024.139094, 4/4/3 citations (Google Scholar/INSPIRE-HEP/Web of Science)
18. O. Nițescu, S. Ghinescu, F. Šimkovic, The Impact of Electron Phase Shifts on ββ-Decay Kinematics, **Universe 10 (12), 442 (2024)** , AIS=0.676, https://doi.org/10.3390/universe10120442, 0/1/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
19. V.A. Sevestrean, O. Nițescu, S. Ghinescu, S. Stoica, L-Shell capture dominance in 127Xe, 207Bi and 236Np, **AIP Conference Proceedings 3138 (1) (2024)**, AIS=NaN, https://doi.org/10.1063/5.0214587, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
20. O. Nițescu, R. Dvornický, F. Šimkovic, Mixture between the SSD and HSD hypothesis in 2νββ decay, **AIP Conference Proceedings 3138 (1) (2024)**, AIS=NaN, https://doi.org/10.1063/5.0204730, 1/1/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
21. O. Nițescu, S. Stoica, F. Šimkovic, Addressing the discrepancy between

experimental and theoretical spectra of low-energy β transitions, **AIP Conference Proceedings 3138 (1) (2024)**, AIS=NaN, https://doi.org/10.1063/5.0205270, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)

22. O. Nițescu, Accurate approximants of inverse Brillouin functions, **Journal of Magnetism and Magnetic Materials 547, 168895 (2022)**, AIS=0.399, https://doi.org/10.1016/j.jmmm.2021.168895, 3/0/3 citations (Google Scholar/INSPIRE-HEP/Web of Science)
23. S.A. Ghinescu, O. Nițescu, S. Stoica, Investigation of the Lorentz invariance violation in two-neutrino double-beta decay, **Physical Review D 105 (5), 055032 (2022)**, AIS=1.083, https://doi.org/10.1103/PhysRevD.105.055032, 11/6/6 citations (Google Scholar/INSPIRE-HEP/Web of Science)
24. J.U. Nabi, M. Ishfaq, O. Nițescu, M. Mirea, S. Stoica, β-Decay Half-Lives of Even-Even Nuclei Using the Recently Introduced Phase Space Recipe, **Universe 6 (1), 5 (2019)**, AIS=0.585, https://doi.org/10.3390/universe6010005, 3/3/2 citations (Google Scholar/INSPIRE-HEP/Web of Science)
25. S. Ghinescu, O. Nițescu, S. Stoica, Investigation of Lorentz symmetry violation in double beta decay, **AIP Conference Proceedings 2165 (1), 020025 (2019)**, AIS=NaN, https://doi.org/10.1063/1.5130986, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
26. M. Ishfaq, J.U. Nabi, O. Nițescu, M. Mirea, S. Stoica, Study of the Effect of Newly Calculated Phase Space Factor on β-Decay Half-Lives, **Advances in High Energy Physics 2019 (1), 5783618 (2019)**, AIS=0.377, https://doi.org/10.1155/2019/5783618, 4/2/2 citations (Google Scholar/INSPIRE-HEP/Web of Science)
27. S. Stoica, O. Nițescu, Neutrino properties deduced from the double beta decay study, **Proceedings of Science for ICHEP2018 (2019)**, AIS=NaN, https://pos.sissa.it/340/469/a1.pdf, 0/0/0 citations (Google Scholar/INSPIRE-HEP/Web of Science)
28. S. Stoica, M. Mirea, O. Nițescu, J.U. Nabi, M. Ishfaq, New Phase Space Calculations for β-Decay Half-Lives, **Advances in High Energy Physics 2016 (1), 8729893 (2016)**, AIS=0.622, https://doi.org/10.1155/2016/8729893, 8/5/5 citations (Google Scholar/INSPIRE-HEP/Web of Science)

- **Lista altor lucrări și contribuții științifice:**

29. O. Nițescu, Problema neutrinilor solari, Perseus. Revistă de astronomie, VIII, 45-49 (2019), https://biblioteca-digitala.ro/?articol_71574-problema-neutrinilor-solari--perseus-revista-de-astronomie--viii-2019

12.01.2026

Dr. Nițescu Ovidiu-Vasile

ANEXA 1

STANDARDE MINIMALE APLICABILE ÎN CADRUL IFIN-HH
pentru acordarea gradelor profesionale de
Cercetător debutant (Cercetător științific – CS) si
Cercetător recunoscut (Cercetător științific gr. III – CS III)

Aprobate în ședința Consiliului Științific IFIN-HH din data de 27.02.2025 (Hotărârea CS nr. 5 / 27.02.2025)

Standarde minimale (IFIN-HH)

1) IFIN-HH stabilește punctaje de prag (P_{prag}) conform tabelului de mai jos.

	Cercetător Debutant (CS)	Cercetător Recunoscut (CSIII)
$\mathbf{P_{prag}}$	0.50	1.50

2) În procesul evaluării activității științifice a candidatului se determină punctajul P astfel:

$P=P_1+P_2$, unde

P_1 : pentru articole la care candidatul este autor, dar nu este prim-autor sau autor corespondent: $P_1 = \sum_i a_i/n_i^{ef}$

P_2 : pentru articole la care candidatul este prim autor sau autor corespondent: $P_2 = \sum_i a_i$

a_i = este scorul de influență absolut (Article influence score) al revistei științifice în care a fost publicat articolul *i*, corespunzător anului de publicare al acestuia conform http://www.eigenfactor.org/ pentru articole publicate până în 2006 și Journal Citation report (Web of Science) începând cu anul 2007; în cazul în care anul de publicare nu se găsește în baza de date se va alege anul cel mai apropiat.

n_i^{ef} = reprezintă numărul efectiv de autori ai elementului ***i*** și se determină astfel:

n_i	dacă $n_i \leq 5$
$(n_i + 5)/2$	dacă $5 < n_i \leq 15$
$(n_i + 15)/3$	dacă $15 < n_i \leq 75$
$(n_i + 45)/4$	dacă $n_i > 75$

unde n_i este în general numărul de autori ai elementului *i*. În cazul publicațiilor din domeniul HEPP (High Energy Particle Physics) cu număr mare de autori, dacă articolul are la bază o notă internă a colaborării și candidatul este coautor al acestei note interne, atunci n_i^{ef} poate fi dat numărul de autori din nota internă.

Calitatea de prim-autor sau autor corespondent se stabilește pe baza mențiunilor din articol. Nu se iau în considerare în acest sens articolele la care autorii sunt indicați în ordinea alfabetică a numelui și candidatul este prim-autor exclusiv datorită numelui acestuia și ordonării alfabetice. În cazul publicațiilor HEPP cu număr mare de autori, dacă articolul are la bază o notă internă a cărei aprobare în vederea trimiterii la publicare a fost susținută de către autor, atunci autorul este considerat prim autor.

Fişa de autoevaluare aferentă standardelor minimale:

Categoria de articole	Poziţia în lista de lucrări	Punctaj	Detalii de calcul
Articole în reviste cotate ISI Thomson Reuters şi în volume indexate ISI Proceedings pentru care candidatul nu este prim autor sau autor corespondent	9	0.068	Physical Review Letters 135 (8), 082501 (2025), AIS=2.885, nr. autori:125, nr ef:42.5
	10	0.076	The European Physical Journal C 85 (2), 174 (2025), AIS=1.045, nr. autori:26, nr ef:13.666
	11	0.042	Physical Review C 112 (3), 035501 (2025), AIS=0.630, nr. autori:30, nr ef:15
	17	0.077	Physics Letters B 859, 139094 (2024), AIS=1.108, nr. autori:28, nr ef:14.333
	23	0.361	Physical Review D 105 (5), 055032 (2022), AIS=1.083, nr. autori:3, nr ef:3
	24	0.117	Universe 6 (1), 5 (2019), AIS=0.585, nr. autori:5, nr ef:5
	26	0.075	Advances in High Energy Physics 2019 (1), 5783618 (2019), AIS=0.377, nr. autori:5, nr ef:5
	28	0.124	Advances in High Energy Physics 2016 (1), 8729893 (2016), AIS=0.622, nr. autori:5, nr ef:5
Articole în reviste cotate ISI Thomson Reuters şi în volume indexate ISI Proceedings pentru care candidatul este prim autor sau autor corespondent	1	0.679	Physical Review C 107 (2), 025501 (2023), AIS=0.679
	2	1.105	Journal of Physics G: Nuclear and Particle Physics 47 (5), 055112 (2020), AIS=1.105
	3	1.108	Physical Review D 103 (3), L031701 (2021), AIS=1.108
	4	0.639	Universe 7 (5), 147 (2021), AIS=0.639
	5	0.915	Journal of Physics G: Nuclear and Particle Physics 51 (12), 125103 (2024), AIS=0.915
	6	0.778	Physical Review A 108 (1), 012810 (2023), AIS=0.778
	7	0.676	Universe 10 (2), 98 (2024), AIS=0.676
	8	0.630	Physical Review C 109 (2), 025501 (2024), AIS=0.630
	15	0.630	Physical Review C 111 (3), 035501 (2025), AIS=0.630
	16	0.630	Physical Review C 111 (2), 024307 (2025), AIS=0.630
	18	0.676	Universe 10 (12), 442 (2024) , AIS=0.676
	22	0.399	Journal of Magnetism and Magnetic Materials 547, 168895 (2022), AIS=0.399
TOTAL		9.805	

12.01.2026

Dr. Niţescu Ovidiu-Vasile