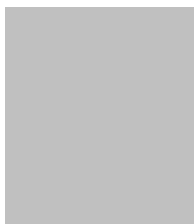


Informatii Personale

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Cercetare si Dezvoltare

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Teza "Spectroscopie Nucleara de Inalta Precizie a Izotopilor de Ni si Dezvoltarea de Metode de Analiza de Date"

2014-2016

MSc

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Fizica Atomica, Nucleara, Particule Elementare, Astrofizica si Aplicatii

1911-2014

BSc

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Fizica

APTITUDINI
PERSONALE

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Interactie Vorbite	Exprimare orală	
C2	C2	C2	C2	C2
B1	A2	A1	A1	A1

Limba Materna Romana

Alte Limbi Vorbite

Engleza

Franceza

Niveluri: **A1/A2**: Utilizator elementar **B1/B2**: Utilizator independent **C1/C2**: Utilizator avansat
[Common European Framework of Reference for Languages](#)

Competențe de comunicare Experiență în susținerea de prezentări științifice și în colaborări internaționale
Experiență în predarea unor grupuri mari și mici de studenți

Competențe organizatorice / manageriale ▪ Abilități de conducere informală dobândite în cadrul coordonării unui proiect de voluntariat online timp de peste 8 ani

Competențe specifice locului de muncă ▪ Spectroscopie gamma, procesare de semnal, sisteme de achiziție de date, dezvoltarea metodelor de analiză, corelații unghiulare

Competențe Digitale

Auto Evaluare				
Procesarea Informatiilor	Comunicare	Crearea de Continut	Siguranța	Rezolvarea de Probleme
3	3	3	2	3

Levels: Utilizator elementar - Utilizator independent - Utilizator avansat
[Digital competences - Self-assessment grid](#)

Alte
competențe

- Bună stăpânire a suitelor Office (Word/Docs/Writer, Excel/Calc/Sheets, PowerPoint/Slides)
- Bună stăpânire a software-ului de analiză a datelor (GASPware)
- Cunoștințe decente de operare Linux și utilizare a shell-ului
- Cunoștințe medii de editare foto și video
- Experiență extinsă în utilizarea detectoarelor de înaltă rezoluție pentru raze gamma, precum și a software-ului specific pentru achiziția și analiza datelor

INFORMAȚII SUPLIMENTARE

Publicatii Peste 32 de articole publicate în reviste indexate ISI Listă de publicații:
<https://scholar.google.com/citations?user=rSGLOSkAAAAJ&hl=en&oi=sra>

Citari H-index 12, 443 citari

LISTA DE PUBLICATII STAN LUCIAN

1. SIMPLE MONTE-CARLO METHODS IMPLEMENTED IN ROOT FOR FITS USING PARAMETERS WITH ERRORS

L.Stan and C.Clisu

U.P.B. Sci. Bull., Series A, Vol. 82, Iss. 2, 2020

ISSN 1223-7027

2. SOFTWARE FOR ANGULAR CORRELATION ANALYSIS

L.Stan and C.Clisu

U.P.B. Sci. Bull., Series A, Vol. 85, Iss. 3, 2023

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3. New evidence for alpha clustering structure in the ground state band of ^{212}Po

Ma von Tresckow, M Rudigier, TM Shneidman, Th Kröll, M Boromiza, C Clisu, C Costache, D Filipescu, NM Florea, I Gheorghe, K Gladnishki, A Ionescu, D Kocheva, R Lică, N Mărginean, R Mărginean, KR Mashtakov, C Mihai, RE Mihai, A Negret, CR Nita, A Olacel, A Oprea, S Pascu, G Rainovski, T Sava, M Scheck, P Spagnoletti, C Sotty, **L Stan**, I Stiru, S Toma, A Turturică, S Ujeniuc

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4. Collective properties of neutron-deficient Nd isotopes: Lifetime measurements of the yrast states in ^{136}Nd

A Turturică, C Costache, P Petkov, J-P Delaroche, M Girod, J Libert, G Cată-Danil, S Pascu, C Mihai, M Boromiza, D Bucurescu, C Clisu, D Filipescu, NM Florea, I Gheorghe, A Ionescu, R Lică, NM Mărginean, R Mărginean, RE Mihai, A Mitu, A

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Phys. Rev. C 103, 044306

ISSN: 2469-9993

5. Decay of the “Stretched” M4 resonance in ^{13}C

N Cieplicka-Oryńczak, B Fornal, M Ciemała, Maria Kmiecik, Adam Maj, J Lukasik, P Pawłowski, B Sowicki, B Wasilewska, M Zieblinski, J Grebosz, M Krzysiek, M Matejska-Minda, Katarzyna Mazurek, Y Jaganathen, S Leoni, C Boiano, S Brambilla,

Serena Ziliani, S Bottoni, Angela Bracco, F Camera, LW Iskra, MN Harakeh, C Clisu,

6. Detailed spectroscopy of doubly magic Sn-132

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PHYSICAL REVIEW C 102, 014328 (2020)

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7. Experimental study of the 2n-transfer reaction ^{138}Ba (18O, 16O) ^{140}Ba in the projectile energy range 61–67 MeV

A Khaliel, TJ Mertzimekis, FCL Crespi, G Zagoraio, D Papaioannou, N Florea, A Turturica, **L Stan**, N Mărginean

EPL (Europhysics Letters), Volume 128, Number 6

ISSN: 1286-4854

8. Investigating the structure of the low-lying states in ^{140}Ba

Ahmed Khaliel, TJ Mertzimekis, A Bracco, FCL Crespi, N Florea, D Papaioannou, G Zagoraio, **L Stan**, A Turturica, N Mărginean

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ISSN: 1742-6596

9. Nucleon inelastic scattering cross sections on O-16 and Si-28

M. Boromiza, C. Borcea, P. Dessagne, D. Ghita, T. Glodariu, G. Henning, M. Kerveno, N. Marginean, C. Mihai, R. Mihai, A. Negret, C. Nita, M. Nyman, A. Olacel, A. Oprea, A. J. M. Plompen, C. Sotty, G. Suliman, R. Suvaila, **L. Stan**, A. Turturica, G. Turturica

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ISSN: 2469-9993

10. Prompt Response Function (PRF) of Lifetime Measurement in the 2+ State of ^{192}Os Nuclei Energy Levels from Triple-Gamma Coincidence Techniques

Terver Daniel, Stanimir Kisiov, Patrick Regan, Nicu Marginean, Zsolt Podolyak, R Marginean, K Nomura, M Rudigier, R Mihai, V Werner, RJ Carroll, Laila Gurgi, A

11. Shape Coexistence at Zero Spin in Ni-64 Driven by the Monopole Tensor Interaction

Marginean, N.; Little, D.; Tsunoda, Y.; Leoni, S.; Janssens, R. V. F.; Fornal, B.; Otsuka, T.; Michelagnoli, C.; **Stan, L.**; Crespi, F. C. L.; Costache, C.; Lica, R.; Sferrazza, M.; Turturica, A.; Ayangeakaa, A. D.; Auranen, K.; Barani, M.; Bender, P. C.; Bottoni, S.; Boromiza, M.; Bracco, A.; Calinescu, S.; Campbell, C. M.; Carpenter, M. P.; Chowdhury, P.; Ciemala, M.; Cieplicka-Orynczak, N.; Cline, D.; Clisu, C.; Crawford, H. L.; Dinescu, I. E.; Dudouet, J.; Filipescu, D.; Florea, N.; Forney, A. M.; Fracassetti, S.; Gade, A.; Gheorghe, I.; Hayes, A. B.; Harca, I.; Henderson, J.; Ionescu, A.; Iskra, L. W.; Jentschel, M.; Kandzia, F.; Kim, Y. H.; Kondev, F. G.; Korschinek, G.; Koster, U.; Krishichayan; Krzysiek, M.; Lauritsen, T.; Li, J.; Marginean, R.; Mauger, E. A.; Mihai, C.; Mihai, R. E.; Mitu, A.; Mutti, P.; Negret, A.; Nita, C. R.; Olacel, A.; Oprea, A.; Pascu, S.; Petrone, C.; Porzio, C.; Rhodes, D.; Seweryniak, D.; Schumann, D.; Sotty, C.; Stolze, S. M.; Suvaila, R.; Toma, S.; Ujenuic, S.; Walters, W. B.; Wu, C. Y.; Wu, J.; Zhu, S.; Ziliani, S.

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12. β decay of ^{133}In : γ emission from neutron-unbound states in ^{133}Sn

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13. Normal and intruder configurations in Si-34 populated in the beta- decay of Mg34 and Al-34

Lică R., Rotaru F., Borge M. J. G., Grevy S., Negoită F., Poves A., Sorlin O., Andreyev, A. N., Borcea R., Costache C., De Witte, H., Fraile L. M., Greenlees P. T., Huyse M., Ionescu A., Kisiov S., Konki J., Lazarus I., Madurga M., Mărginean N., Mărginean R., Mihai C., Mihai R. E., Negreț A., Nowacki F., Page, R. D., Pakarinen J., Pucknell V., Rahkila P., Rapisarda E., Șerban A., Sotty C. O., **Stan L.**, Stănoiu M., Tengblad O., Turturică A., Van Duppen P., Warr N., Dessagne Ph., Stora, T., Borcea C., Călinescu S., Daugas J. M., Filipescu D., Kuti I., Franchoo S., Gheorghe I., Morfouace P., Morel P., Mrazek J., Pietreanu D., Sohler D., Stefan I., Suvaila R., Toma S., Ur C. A

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14. SORCERER: A novel particle-detection system for transfer-reaction experiments at ROSPHERE

T.Beck, C.Costache, R.Lică, N.Mărginean, C.Mihai, R.E.Mihai, O.Papst, S.Pascu, N.Pietralla, C.Sotty, **L.Stan**, A.E.Turturică, V.Werner, J.Wiederhold, W.Witt

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15. Investigation of low-lying states in ^{133}Sn populated in the β^- Decay of ^{133}In using isomer-selective laser ionization

Piersa, M., Korgul, A., Fraile, L.M., Benito, J., Adamska, E., Álvarez, R., Barzakh, A. E., Benzoni, G., Berry, T., Borge, M.J.G., Carmona, M., Chrysalidis, K., Correia, G., Costache, C., Day Goodacre, T., Fedorov, D.V., Fedosseev, V.N., Fernández-Martínez, G., Fila, M., Galaviz, D., Grzywacz, R., Henrich, C., Illana, A., Janas, Z., Johnston, K., Karanyonchev, V., Kicinska-Habior, M., Lica, R., Madurga, M., Marroquín, I., Marsh, B., Martínez, C., Mazzocchi, C., Miernik, K., Mihai, R., Olaizola, B., Paulaskalas, S., Régis, J.-M., Rothe, S., Sánchez-Tembleque, V., Simpson, G., Sotty, Ch., **Stan, L.**, Stanoiu, M., Stryjczyk, M., Turturica, A., Udías, J.M., Vedia, V., Villa, A., Walters, W.B.

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16. Absolute cross sections of the $^{86}\text{Sr}(\alpha, n)^{89}\text{Zr}$ reaction at energies of astrophysical interest

Andreea Oprea, Tudor Glodariu, Dan Filipescu, Ioana Gheorghe, Andreea Mitu, Marian Boromiza, Dorel Bucurescu, Cristian Costache, Irina Cata-Danil, Nicoleta Florea, Dan Gabriel Ghita, Alina Ionescu, Nicolae Marginean, Raluca Marginean, Constantin Mihai, Radu Mihai, Alexandru Negret, Cristina Nita, Adina Olacel, Sorin Pascu, Cristophe Sotty, Rares Suvaila, **Lucian Stan**, Lucian Stroe, Andreea Serban, Irina Stiru, Sebastian Toma, Andrei Turturica and Sorin Ujenuic EPJ Web of Conferences 146, 01016 (2017)
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17. Identification of the crossing point at $N = 21$ between normal and intruder configurations

R. Lica, F. Rotaru, M. J. G. Borge, S. Grevy, F. Negoita, A. Poves, O. Sorlin, A. N. Andreyev, R. Borcea, C. Costache, H. De Witte, L. M. Fraile, P. T. Greenlees, M. Huyse, A. Ionescu, S. Kisyov, J. Konki, I. Lazarus, M. Madurga, N. Marginean, R. Marginean, C. Mihai, R. E. Mihai, A. Negret, R. D. Page, J. Pakarinen, S. Pascu, V. Pucknell, P. Rahkila, E. Rapisarda, A. Serban, C. O. Sotty, **L. Stan**, M. Stanoiu, O. Tengblad, A. Turturica, P. Van Duppen, R. Wadsworth, N. Warr
PHYSICAL REVIEW C 95 (2017) 021301(R)

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18. γ -ray spectroscopy of low-lying excited states and shape competition in ^{194}Os

T. Daniel, S. Kisyov, P.H. Regan, N. Marginean, Zs. Podolyak, R. Marginean, K. Nomura, M. Rudigier, R. Mihai, V. Werner, R.J. Carroll, L. A. Gurgi, A. Oprea, T. Berry, A. Serban, C. R. Nita, C. Sotty, R. Suvaila, A. Turturica, C. Costache, **L. Stan**, A. Olacel, M. Boromiza and S. Toma

19. Multifaceted Quadruplet of Low-Lying Spin-Zero States in ^{66}Ni : Emergence of Shape Isomerism in Light Nuclei

S. Leoni, B. Fornal, N. Mărginean, M. Sferrazza, Y. Tsunoda, T. Otsuka, G. Bocchi, F. C. L. Crespi, A. Bracco, S. Aydin, M. Boromiza, D. Bucurescu, N. Cieplicka-Orynczak, C. Costache, S. Călinescu, N. Florea, D. G. Ghiță, T. Glodariu, A. Ionescu, Ł.W. Iskra, M. Krzysiek, R. Mărginean, C. Mihai, R. E. Mihai, A. Mitu, A. Negreț, C. R. Niță, A. Olăcel, A. Oprea, S. Pascu, P. Petkov, C. Petrone, G. Porzio, A. Șerban, C. Sotty, **L. Stan**, I. Știru, L. Stroe, R. Șuvăilă, S. Toma, A. Turturică, S. Ujeniuc, C. A. Ur

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20. Proton inelastic scattering cross section measurements on ^{16}O and ^{28}Si

Boromiza, M., Borcea, C., Dessagne, P., Ghita, D., Glodariu, T., Henning, G., Kerveno, M., Marginean, N., Mihai, C., Negret, A., Nita, C., Nyman, M., Olacel, A., Oprea, A., Plompen, A., Sotty, C., Suliman, G., Suvaila, R., **Stan, L.**, Turturica, A., Turturica, G.

EPJ Web of Conferences eISSN: 2100-014X

21. Unexpected high-energy gamma emission from decaying exotic nuclei

A. Gottardo, D. Verney, I. Deloncle, S. Peru, C. Delafosse, S. Roccia, I. Matea, C. Sotty, C. Andreoiu, C. Costache, M.C. Delattre, A. Etile, S. Franchoo, C. Gaulard, J. Guillot, F. Ibrahim, M. Lebois, M. MacCormick, N. Marginean, R. Marginean, M. Martini, C. Mihai, I. Mitu, L. Olivier, C. Portail, L. Qi, B. Roussiere, **L. Stan**, D. Testov, J. Wilson, D.T. Yordanov

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22. First Evidence of Shape Coexistence in the Ni-78 Region: Intruder $0(2)^{+}$ State in ^{80}Ge

A. Gottardo, D. Verney, C. Delafosse, F. Ibrahim, B. Roussiere, C. Sotty, S. Roccia, C. Andreoiu, C. Costache, M.C. Delattre, I. Deloncle, A. Etile, S. Franchoo, C. Gaulard, J. Guillot, M. Lebois, M. MacCormick, N. Marginean, R. Marginean, I. Matea, C. Mihai, I. Mitu, L. Olivier, C. Portail, L. Qi, **L. Stan**, D. Testov, J. Wilson, D.T. Yordanov

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23. First beta-decay spectroscopy of ^{135}In and new beta-decay branches of ^{134}In Piersa-Silkowska, M. and Korgul, A. and Benito, J. and Fraile, L. M. and Adamska, E. and Andreyev, A. N. and Alvarez-Rodriguez, R. and Barzakh, A. E. and Benzoni, G. and Berry, T. and Borge, M. J. G. and Carmona, M. and Chrysalidis, K. and Correia, J. G. and Costache, C. and Cubiss, J. G. and Goodacre, T. Day and De Witte, H. and Fedorov, V. D. and Fedosseev, V. N. and Fernandez-Martinez, G. and Fijalkowska, A. and Fynbo, H. and Galaviz, D. and Galve, P. and Garcia-Diez, M. and Greenlees, P. T. and Grzywacz, R. and Harkness-Brennan, L. J. and Henrich, C. and Huyse, M. and Ibanez, P. and Illana, A. and Janas, Z. and Johnston, K. and Jolie, J. and Judson, D. S. and Karanyonchev, V and Kicinska-Habior, M. and Konki, J. and Koszuc, L. and Kurcewicz, J. and Lazarus, I and Lica, R. and Lopez-Montes, A. and Mach, H. and Madurga, M. and Marroquin, I and Marsh, B. and Martinez, M. C. and Mazzocchi, C. and Miernik, K. and Mihai, C. and Marginean, N. and Marginean, R. and Negret, A. and Nacher, E. and Ojala, J. and Olaizola, B. and Page,

R. D. and Pakarinen, J. and Pascu, S. and Paulauskas, V. S. and Perea, A. and Pucknell, V. and Rahkila, P. and
Raison, C. and Rapisarda, E. and Rezyunkina, K. and Rotaru, F. and Rothe, S. and
Rykaczewski, K. P. and Regis, J-M and Schomacker, K. and Silkowski, M. and Simpson, G. and Sotty, C.
and **Stan, L.** and Stanoiu, M. and Stryczyk, M. and Sanchez-Parcerisa, D. and Sanchez-Tembleque, V.
and Tengblad, O. and Turturica, A. and Udias, J. M. and Van Duppen, P. and Vedia, V. and Villa, A. and
Vinals, S. and
Wadsworth, R. and Walters, W. B. and Warr, N. and Wilkins, S. G. and IDS Collaboration

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24. New β -decaying state in ^{214}Bi

B. Andel, P. Van Duppen, A. N. Andreyev, A. Blazhev, H. Grawe, R. Lica, H. Naïdja, M. Stryczyk, A.
Algora, S. Antalic, A. Barzakh, J. Benito, G. Benzoni, T. Berry, M. J.
G. Borge, K. Chrysalidis, C. Clisu, C. Costache, J. G. Cubiss, H. De Witte, D. V. Fedorov, V. N. Fedosseev, L.
M. Fraile, H. O. U. Fynbo, P. T. Greenlees, L. J.
Harkness-Brennan, M. Huyse, A. Illana, J. Jolie, D. S. Judson, J. Konki, I. Lazarus, M. Madurga, N.
Marginean, R. Marginean, C. Mihai, B. A. Marsh, P. Molkanov, P. Mosat, J. R. Murias, E. Nacher, A.
Negret, R. D. Page, S. Pascu, A. Perea, V. Pucknell, P.
Rahkila, E. Rapisarda, K. Rezyunkina, V. Sánchez-Tembleque, K. Schomacker, M. D. Seliverstov, C. Sotty, **L. Stan**,
C. Sürder, O. Tengblad, V. Vedia, S. Viñals, R. Wadsworth, and N. Warr

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25. Experimental Investigation of the Nuclear Structure in the Neutron-Rich ^{180}Hf

P Vasileiou, TJ Mertzimekis, A Chalil, A Zyriliou, S Pelonis, M Efstathiou, V Lagaki,
G Siltzvalis, P Koseoglou, D Bonatsos, A Martinou, N Minkov, N Mărginean, C Mihai, N Florea, S
Ujeniuc, A Turturica, C Costache, R Mihai, **L Stan**

Bulgarian Journal of Physics . 2021, Vol. 48 Issue 5/6, p618-624.

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26. Reviewing Nuclear Structure Properties of Even-Even Yb Isotopes

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