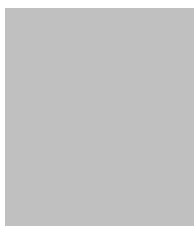


Informatii Personale

Stan Lucian

Sex M |



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Experienta de Munca

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Cercetator Stiintific

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Studii de structura nucleara folosind spectroscopia gamma
Cercetare si Dezvoltare

01.03.2024 - prezent

Sef de lucrari

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Predarea unor cursuri de fizica generala
Educatie

01.10.2022-01.03.2024

Colaborator

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Laboratoare de fizica
Educatie

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Asistent Cercetator stiintific

Institutul National de Fizica si Inginerie Nucleara IFIN-HH "Horia Hulubei"
Studii de structura nucleara folosind spectroscopia gamma
Cercetare si Dezvoltare

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Physicist

Institutul National de Fizica si Inginerie Nucleara IFIN-HH "Horia Hulubei"
Studii de structura nucleara folosind spectroscopia gamma
Cercetare si Dezvoltare

Educatie

2016-2021

Doctorat

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Facultatea de Stiinte Aplicate, UNSTPB
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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Facultatea de Fizica, Universitatea Bucuresti
Fizica Atomica, Nucleara, Particule Elementare, Astrofizica si Aplicatii

1911-2014

BSc

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Facultatea de Fizica, Universitatea Bucuresti
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

ISSN 1223-7027

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

Physics Letters B, Volume 821, 2021, 136624

ISSN: 1873-2445

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

Negret, CR Niță, A Olăcel, A Oprea, T Sava, C Sotty, **L Stan**, I Știru, R Șuvăilă, S Toma, GV Turturică, S Ujeniuc

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

Benito, J.; Fraile, L. M.; Korgul, A.; Piersa, M.; Adamska, E.; Andreyev, A. N.; Alvarez-Rodriguez, R.; Barzakh, A. E.; Benzoni, G.; Berry, T.; Borge, M. J. G.; Carmona, M.; Chrysalidis, K.; Costache, C.; Cubiss, J. G.; Goodacre, T. Day; De Witte, H.; Fedorov, D., V; Fedosseev, V. N.; Fernandez-Martinez, G.; Fijalkowska, A.; Fila, M.; Fynbo, H.; Galaviz, D.; Galve, P.; Garcia-Diez, M.; Greenlees, P. T.; Grzywacz, R.; Harkness-Brennan, L. J.; Henrich, C.; Huyse, M.; Ibanez, P.; Illana, A.; Janas, Z.; Jolie, J.; Judson, D. S.; Karayonchev, V.; Kicinska-Habior, M.; Konki, J.; Kurcewicz, J.; Lazarus, I.; Lica, R.; Lopez-Montes, A.; Lund, M.; Mach, H.; Madurga, M.; Marroquin, I.; Marsh, B.; Martinez, M. C.; Mazzocchi, C.; Marginean, N.; Marginean, R.; Miernik, K.; Mihai, C.; Mihai, R. E.; Nacher, E.; Negret, A.; Olaizola, B.; Page, R. D.; Paulauskas, S., V; Pascu, S.; Perea, A.; Pucknell, V.; Rahkila, P.; Raison, C.; Rapisarda, E.; Regis, J-M; Rezyunkina, K.; Rotaru, F.; Rothe, S.; Sanchez-Parcerisa, D.; Sanchez-Tembleque, V.; Schomacker, K.; Simpson, G. S.; Sotty, Ch; **Stan, L.**; Stanoiu, M.; Stryczyk, M.; Tengblad, O.; Turturica, A.; Udias, J. M.; Van Duppen, P.; Vedia, V.; Villa-Abaunza, A.; Vinals, S.; Walters, W. B.; Wadsworth, R.; Warr, N.

PHYSICAL REVIEW C 102, 014328 (2020)

ISSN: 2469-9993

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

Journal of Physics: Conference Series

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

Phys. Rev. C 101, 024604

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.

PHYSICAL REVIEW LETTERS 125, 102502 (2020)

ISSN: 1079-7114

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

M. Piersa, A. Korgul, L. M. Fraile, J. Benito, E. Adamska, A. N. Andreyev, R. Álvarez-Rodríguez, A. E. Barzakh, G. Benzoni, T. Berry, M. J. G. Borge, M. Carmona, K. Chrysalidis, J. G. Correia, C. Costache, J. G. Cubiss, T. Day Goodacre, H. De Witte, D. V. Fedorov, V. N. Fedosseev, G. Fernández-Martínez, A. Fijałkowska, M. Fila, H. Fynbo, D. Galaviz, P. T. Greenlees, R. Grzywacz, L. J. Harkness-Brennan, C. Henrich, M. Huyse, A. Illana, Z. Janas, K. Johnston, D. S. Judson, V. Karanyonchev, M. Kicinska-Habior, J. Konki, J. Kurcewicz, I. Lazarus, R. Lica, H. Mach, M. Madurga, I. Marroquín, B. Marsh, M. C. Martínez, C. Mazzocchi, N. Marginean, R. Marginean, K. Miernik, C. Mihai, E. Nácher, A. Negret, B. Olaizola, R. D. Page, S. Paulaskalas, S. Pascu, A. Perea, V. Pucknell, P. Rahkila, E. Rapisarda, J.-M. Régis, F. Rotaru, S. Rothe, V. Sánchez-Tembleque, G. Simpson, Ch. Sotty, **L. Stan**, M. Stanoiu, M. Stryczyk, O. Tengblad, A. Turturica, J. M. Udías, P. Van Duppen, V. Vedia, A. Villa, S. Viñals, R. Wadsworth, W. B. Walters, and N. Warr

Phys. Rev. C 99.024304

ISSN: 2469-9993

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

Phys. Rev. C 100, 034306

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

NIM A 951 (2019) 163090

ISSN: 0168-9002

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.

Acta Physica Polonica B, 49 (3), pp. 523-528

ISSN: 1509-5770

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)
eISSN: 2100-014X

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)

ISSN: 2469-9993

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

PHYSICAL REVIEW LETTERS, 118, 162502 (2017)

ISSN: 1079-7114

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

PHYS LETT B 772 (2017) 359-362

ISSN: 1873-2445

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

PHYS REV LETT 116 (2017) 182501

ISSN: 1079-7114

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 Koszuck, 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 Stryjczyk, 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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ISSN: 2469-9993

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. Stryjczyk, 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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ISSN: 2469-9993

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 Siltzovalis, 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

A Zyriliou, TJ Mertzimekis, A Chalil, P Vasileiou, S Pelonis, M Efstathiou, E Mavrommatis, D Bonatsos, A Martinou, S Peroulis, N Minkov, **L Stan**, A Turturica, C Costache, R Mihai, R Borcea, S Ujeniuc, S Toma, C Clisu, A Oprea

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27. Observation of the $J < 7/2$ low-spin states in ^{213}Fr populated in the electron capture of the $1/2^-$ ground state of ^{213}Ra

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28. Collective excitations in 150 Gd

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29. Lifetime measurements in 102 Mo interpreted in the interacting boson model and the X(5) symmetry

CE Jones, AM Bruce, D Reygadas, N Mărginean, R Mărginean, CR Niță, G Aǧgez, T Beck, M Boromiza, M Brunet, RB Cakirli, RL Canavan, A Chalil, C Clisu, N Florea, ER Gamba, Ela Ganioglu, I Gheorghe, JP Greene, K Hadyńska-Klęk, J Kleemann, S Lalkovski, R Lica, TJ Mertzimekis, C Mihai, R Mihai, A Mitu, R Neveling, A Olacel, A Oprea, Zs Podolyák, PH Regan, L Sahin, C Sotty, **L Stan**, I Stiru, S Toma, A Turturica, S Ujениuc, P Van Isacker, AP Weaver

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30. Increasing Octupole Collectivity across the Z = 64 Isotopic Chain: B(E3) Values in 150Gd

S Pascu, E Yüksel, Abhishek, P Stevenson, GH Bhat, RN Mao, K Nomura, C Costache, ZP Li, N Mărginean, C Mihai, T Naz, Zs Podolyak, PH Regan, AE Turturică, R Borcea, M Boromiza, D Bucurescu, S Călinescu, C Clisu, A Coman, I Dinescu, S Doshi, D Filipescu, NM Florea, A Gandhi, I Gheorghe, A Ionescu, R Lică, R Mărginean, RE Mihai, A Mitu, N Nazir, A Negret, CR Niță, EB O'Sullivan, C Petrone, SE Poulton, JA Sheikh, HK Singh, **L Stan**, S Toma, G Turturică, S Ujениuc

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31. Lifetime measurements in 154,155Er nuclei and theoretical studies of collective properties in neutron-deficient erbium isotopes

A Turturică, J-P Delaroche, M Dupuis, M Girod, J Libert, G Căta-Danil, S Pascu, C Mihai, R Borcea, M Boromiza, D Bucurescu, C Clisu, A Coman, C Costache, NM Florea, A Ionescu, R Lică, NM Mărginean, R Mărginean, RE Mihai, A Mitu, CR Niță, **L Stan**, I Știru, S Toma, GV Turturică, S Ujениuc

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32. Probing the isospin mixing in the 72Kr compound nucleus via GDR γ decay

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