

May 2022 Issue 107

In this issue,

- 1. Nuclear Physics Publications for May
- 2. News to Report
 - a. Prof. Marialuisa Aliotta joins FAIR/GSI Joint Scientific Council
- 3. Outreach Activity
- 4. Media Interactions

Newsletter archive: http://npg.dl.ac.uk/OutreachNewsletter/index.html

Nuclear Physics Public Engagement Website: Nuclear Physics For You

1. Nuclear Physics Publications for May*

If you are publishing a paper that you think would be of media value, please contact <u>Wendy Ellison</u>, STFC Press Officer. She can help with press releases and publicity. If you get in touch with her before publication, she can also get material ready in advance for the day of publication.

*Also includes missed publications from previous months

Nature Communications 13 2151 (2022) (https://doi.org/10.1038/s41467-022-29848-7) Neutron-upscattering enhancement of the triple-alpha process
J. Bishop et al.

Published 20 April 2022

Phys. Rev. C 105, L051301 (2022) (https://doi.org/10.1103/PhysRevC.105.L051301)

New narrow resonances observed in the unbound nucleus 15F

V. Girard-Alcindor *et al.* Published 11 May 2022

Phys. Rev. C **105**, L051001 (2022) (https://doi.org/10.1103/PhysRevC.105.L051001)

Spectroscopic study of a possible Λ nn resonance and a pair of Σ NN states using the (e,e'K⁺) reaction with a tritium target

B. Pandey *et al.* (Hall A Collaboration) Published 20 May 2022

Phys. Lett. B 829 137057 (2022) (https://doi.org/10.1016/j.physletb.2022.137057)

Neutron-proton pairing in the N=Z radioactive fp-shell nuclei ⁵⁶Ni and ⁵²Fe probed by pair transfer

B. Le Crom et al.

Published 10 June 2022

Phys. Lett. B 829 137064 (2022) (https://doi.org/10.1016/j.physletb.2022.137064)

Electromagnetic moments of scandium isotopes and N = 28 isotones in the distinctive $0f_{7/2}$ orbit S. W. Bai et al.

Published 10 June 2022

Phys. Lett. B 829 137129 (2022) (https://doi.org/10.1016/j.physletb.2022.137129)

First observation of a shape isomer and a low-lying strongly-coupled prolate band in neutron-deficient semi-magic ¹⁸⁷Pb

W. Q. Zhang et al. Published 10 June 2022

2. News to Report

a. Prof. Marialuisa Aliotta joins FAIR/GSI Joint Scientific Council

Prof. Marialuisa Aliotta from the University of Edinburgh has been invited to serve on the Joint Scientific Council of FAIR/GSI for a 2 year term, starting on the 1st of May 2022.

"The Joint Scientific Council is the international advisory board of FAIR and GSI, giving advice to the FAIR Council, the GSI Supervisory Board and the Managing Directors of FAIR and of GSI in scientific and technical matters of fundamental importance. It comprises 8 to 10 external, internationally acknowledged members."

Contribution by Prof. Marialuisa Aliotta, University of Edinburgh

	University of Edinburgh	
3. Outreach Activity -		
4. Media Interactions		

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