



# UK Nuclear Activity

November 2022 Issue 112

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

Nuclear Physics Public Engagement Website: [NuclearPhysicsForYou](#)

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## 1. Nuclear Physics Publications for November\*

If you are publishing a paper that you think would be of media value, please contact [Wendy Ellison](#), 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.

Commun. Phys. **5** 285 (2022) (<https://doi.org/10.1038/s42005-022-01069-w>)

*Observation of the proton emitter  $^{116}\text{La}$*

W. Zhang *et al.*

Published 14 November 2022

Phys. Rev. C **106**, 054308 (2022) (<https://doi.org/10.1103/PhysRevC.106.054308>)

*Rotational sequences in  $N=98$   $^{167}\text{Tm}$  populated in the  $^{164}\text{Dy}(^7\text{Li},4n\gamma)^{167}\text{Tm}$  fusion-evaporation reaction*

M. J. Burns *et al.*

Published 7 November 2022

Phys. Rev. C **106**, 054309 (2022) (<https://doi.org/10.1103/PhysRevC.106.054309>)

*Clustering in nuclei at finite temperature*

E. Yüksel *et al.*

Published 8 November 2022

Phys. Rev. C **106**, 054310 (2022) (<https://doi.org/10.1103/PhysRevC.106.054310>)

*$\alpha$ -cluster structure of  $^{18}\text{Ne}$*

M. Barbui *et al.*

Published 8 November 2022

Phys. Rev. C **106**, 054615 (2022) (<https://doi.org/10.1103/PhysRevC.106.054615>)

*Measurement of fusion-evaporation cross sections for reactions of  $^{44}\text{Ca}$  with  $^{154,156,157,160}\text{Gd}$  targets*

T. A. Werke *et al.*

Published 30 November 2022

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**2. News to Report**

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**3. Outreach Activity**

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**4. Media Interactions**

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