



# UK Nuclear Activity

November 2024 Issue 136

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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.

\*Also includes missed publications from previous months

Nature **365** 321 (2024) (<https://doi.org/10.1038/s41586-024-08130-4>)  
High-temperature 205Tl decay clarifies 205Pb dating in early Solar System  
G. Leckenby *et al.*  
Published 13 November 2024

See also:

[Link](#)

[Link](#)

Phys. Rev. C **110** 054614 (<https://doi.org/10.1103/PhysRevC.110.054614>)  
Magnetization-current-induced  $E1$  transition in the  $d+t \rightarrow \alpha+n+\gamma$  reaction  
N. K. Timofeyuk  
Published 25 November 2024

J. High Energ. Phys. **2024**, 148 (2024) ([https://doi.org/10.1007/JHEP11\(2024\)148](https://doi.org/10.1007/JHEP11(2024)148))  
Measurement of beauty production via non-prompt charm hadrons in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV  
The ALICE collaboration., Acharya, S., Adamová, D. et al.  
Published 26 November 2024

## 2. News to Report

### a. EIC-UK Meeting in Birmingham

The University of Birmingham hosted a meeting of UK based Electron-Ion Collider (EIC) researchers on the 18<sup>th</sup> and 19<sup>th</sup> of November. This meeting brought together researchers from across the UK to discuss ongoing efforts for this major upcoming facility at Brookhaven National Laboratory. The range of talks spanned detector simulation, construction efforts, theoretical developments, accelerator contributions and physics studies in preparation for this next generation facility. This meeting followed up the EIC UK meeting held in York earlier in the year and there is strong momentum to continue with a regular schedule of UK EIC meetings.

A major topic of the second day of the meeting was the current status of the EIC project as a

whole, and the ongoing process of approval for the £58.8m UKRI infrastructure funding for UK EIC efforts. There was also a very enthusiastic response from the UK community on putting forward a bid to host the ePIC/EICUG meeting in the near future. This meeting would showcase the strong commitment of the UK community to the EIC project in front of the global EIC users group of over 1000 members. We look forward to the next in person meeting of the UK community next year. We welcome anyone interested in the physics programme, detector development, or the accelerator effort of the EIC to get in touch and to join us at future meetings.

*Contribution from Stephen Kay, University of York*

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### 3. Outreach Activity

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### 4. Media Interactions

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