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Type: **Invited oral presentation**

## **Coulomb excitation with TIGRESS for nuclear structure**

*Tuesday, 21 April 2026 09:00 (20 minutes)*

TIGRESS has been used successfully over the past decade for nuclear structure studies using Coulomb excitation, coupled to the BAMBINO array of dual silicon detectors. I will briefly introduce the method, the benefits of the experimental setup and highlight some recent successes. I will then discuss future opportunities for the programme, focussing on the new capabilities that ARIEL will deliver.

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**Session Classification:** Gamma-ray Spectroscopy enabled by ARIEL re-accelerated rare isotope beams