## Contribution submission to the conference SMuK 2023

Characterisation of a novel trigger and timing plane for the EUDET Telescopes — •ARIANNA WINTLE, LENNART HUTH, FRANCESCA MARIA POFI, FELIX SEFKOW, and MARCEL STANITZKI — DESY, Notkestraße 85, 22607 Hamburg

The DESY Test Beam facility provides GeV beams for users and precise reference tracking systems, the EUDET telescopes. The telescope readout is triggered externally and multiple particles are recorded in one readout cycle, causing ambiguities as no time-stamping is provided.

TelePix is a 180 nm HV-CMOS sensor foreseen to be used in upgrades of the EUDET-style pixel beam telescopes allowing for fast timing and triggering on a region of interest. Here, characterisation results of TelePix are presented using the latest test beam results.

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Vortrag;Talk
3.04 Halbleiterdetektoren: Strahlenhärte,
neue Materialien und Konzepte; 3.04
Semiconductor Detectors: Radiation
Hardness, new Materials and Concepts
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