

Construction of the UK DESPEC Array for Fast-Timing Measurements

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Abstract

A fast-timing array is being built in UK as part of the UKNUSTAR project, which aims at the design and construction of sub-detector systems for NUSTAR at FAIR. The system consists of 36 $\text{LaBr}_3\text{:Ce}$ scintillator detectors and is fully equipped with VME-based EDAQ, comprising analogue and digital electronics for timing and energy measurements, respectively. The work on the detector system is in its final stage with completion expected for the 31st of March 2016. Next year, the system will be used in conjunction with AGATA in GANIL and GAMMASPHERE in Argonne for lifetime measurements in exotic nuclei. A summary of the ongoing activities will be presented.