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NUSTAR experiments on the way from GSI to FAIR

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The NUSTAR Collaboration will perform experiments with relativistic exotic nuclei at GSI and FAIR. Presently, several new FAIR detector systems are under construction for high-resolution spectrometer experiments, decay spectroscopy, reaction studies with internal or external targets, and for experiments with stopped beams. Due to the delayed start of the FAIR project, several prototypes or start versions of larger detectors systems will be used at GSI with beams from the existing accelerators (UNILAC, SIS-18) and set the scene for new experimental avenues, not possible so far. The planned intermediate research programme, the new opportunities and recent results will be presented.

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