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Status of the NUSTAR project at GSI/FAIR

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The NUSTAR (NUclear STructure, Astrophysics, and Reactions) collaboration [1] aims to exploit the opportunities offered by the FAIR facility. The FAIR-0 experimental campaign, using detection systems built for the future facility, is ongoing at the existing GSI accelerator complex since 2021. Preparation for moving from the present experimental areas to the new facility have started. It is foreseen that the higher transmission of the Super-FRS separator and the higher primary beam intensities of the SIS-100 synchrotron will be exploited from around 2028 and 2029, respectively.

I will present recent scientific and technical highlights, as well as the details on the transition from the existing GSI to the FAIR facility.

[1] <https://fair-center.de/user/experiments/nustar>

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