

ExtreMe Matter Institute EMMI

EMMI Workshop

New avenues for the low-energy NUSTAR program at GSI/FAIR

GSI Darmstadt, Germany, September 16-17, 2021

The aim of the workshop is to discuss ideas and perspectives for a dedicated low-energy beam program at GSI/FAIR.

The NUSTAR collaboration maintains since many years the super-heavy elements (SHE) program at the UNILAC at GSI, while all other low-energy nuclear physics activities virtually stopped with the advent of high-energy primary and radioactive beams at SIS18 and FRS.

Meanwhile beam intensities at the UNILAC increased and there is the prospect of a new dedicated CW-accelerator in the intermediate future. Moreover, there is the possibility to have soon at the Super-FRS high intensity low-energy radioactive beams available. This multitude together with novel detectors, instrumentation, and experimental methodologies developed within NUSTAR provides intriguing unique physics opportunities at low energies with primary and secondary beams at GSI/FAIR.



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<https://indico.gsi.de/event/11528/>

Information:

www.gsi.de/emmi/workshop

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