

The MESA Science Program

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At the Institute for Nuclear Physics in Mainz, the new electron accelerator MESA (Mainz Energy-recovery Superconducting Accelerator) will go into operation within the next years. MESA will provide intense electron beams for hadron and nuclear physics, as well as for light dark matter searches (LDM). In particular, I will present the MAGIX and DarkMESA experiments at MESA. MAGIX is a two-spectrometer setup coupled with a gas-jet target with a wide physics program, including LDM searches. DarkMESA is a beam-dump experiment focused on LDM. The status of the facility and of the experiments will be presented, together with results from prototype detectors and projected physics reach.