

Versatile Platform for Relativistic Electron Cooling and Other Experiments

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At Helmholtz Insitute Mainz (HIM) a high voltage platform for high intensity electron beams has been installed. This apparatus is intended as a scalable, modular system for high energy magnetized DC-beam cooling. On the one hand, the system can be used as a prortype for antiproton beam cooling for the planned HESR storage ring at FAIR. On the other hand, because the HESR will be delayed, we have the opportunity to use the device for other applications. We present recently realized technial progress and how these can be applied for different new experiments during the time until the initially intended application becomes possible.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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