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## The Felsenkeller accelerator for nuclear astrophysics

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Nuclear astrophysics often relies on small cross sections in the region of fusion reactions. Hence, the reaction rates are small. Over the last decade we were able to install a 5 MV tandem accelerator underground in Dresden (Germany) for this purpose. The facility is meant to be open for all scientists to use, proposals will be evaluated by an external committee. For the measurements proton, helium and carbon beams are available. The talk will present the new facility and the dedicated measurements on background studies. Additional detectors are installed, among them for example an ultra-low background with high detection efficiency. Furthermore, in the talk first scientific results will be presented.

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