

ACCELERATOR SEMINAR

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GSI

Thursday, 20. October 2022 at 4 pm

Online-Seminar via Zoom

Zoom: (ID: 655 3504 8898 / PW: 859058)

The FAIR antiproton production target

At the future FAIR facility a variety of experiments with antiprotons (pbars) is planned.

A secondary antiproton beam will be produced by bombarding a metal target with 27.5 GeV protons.

In such collisions the production of antiprotons will take place in any case, therefore the main tasks are the efficient collection of the antiprotons and, because of the huge amount of further secondary particles, the radiation protection in the target area. Further preparation of the pbar beam in the Collector Ring and an example of an experiment in the High Energy Storage Ring will briefly be addressed.



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