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The future of the CERN AD* infrastructures in the context of ELENA** machine design and integration

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*AD: Antiproton Decelerator*ELENA: Extra Low Energy Antiprotons*

ELENA will lower the energy of AD antiprotons from 5MeV to 100keV, thus increasing by a factor of up to 100 the number of antiprotons usable by the experiments. The AD infrastructures must be adapted to cope with this new machine, new experiments and another 20 years of brilliant prospects.

To fit the ELENA ring in the already crowded AD hall, old delicate kicker generators must be relocated to a new annex building, existing and new services and racks must be re-arranged also at height, preserving access and maintenance capabilities. The ELENA beam will be delivered to existing experiments via new transfer lines without compromising the possibility to maintain a visitors path to this very popular place at CERN.

New experimental areas being designed to house the new projects (GBar, BASE), and re-arrangement for future experiments (cleaning rooms relocation in the new annex building, control rooms installation in a separate building with a cafeteria and a conference room) are also detailed.

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