Call for proposals for projects at the CERN Antiproton Decelerator after LS2

The CERN Antiproton Decelerator (AD) is a unique facility which has been operating since 2000 providing low-energy antiprotons to a range of experiments measuring the properties of antiprotons and anti-atoms.

During the ongoing Long Shutdown 2 (LS2), a new accelerator ELENA (Extra Low Energy Antiproton) will be connected to the experimental areas in the AD hall reducing the energy of antiprotons from 5.3 MeV to 0.1 MeV. This new accelerator will change the capabilities of projects in the AD, and allow for new and improved measurements to be undertaken.

In order to support and plan the long-term experimental programme at the AD CERN needs to understand the requirements of the experiments now and in the future. As such, the SPSC is mandated to review the proposed programmes for projects using the antiprotons from the AD and ELENA after LS2. This review will encompass both projects, which are currently operating in the AD hall as well as potential future projects which propose to make use of the antiprotons.

In order to undertake this review, the SPSC is issuing a call for proposals for projects at the AD following LS2.

Proposals should be submitted to the SPSC by 1 October 2019 and should address the physics or technology case behind the proposal, and what are the expected use of CERN resources requested by the proposal.

The SPSC expects to prepare recommendations to the Research Board for approval of projects by April 2020.

Potential applicants are invited to address questions about the process to the scientific secretary of the SPSC.

Jordan Nash  
Chairperson, SPSC

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