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Challenges in AD/ELENA operation

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We give an overview of the AD operation from the point of view of the interface between the AD experiments and the machine. Specific examples of difficulties to deliver good quality antiproton beam to the experiments are selected from 20 years of operation. The sources of difficulties are various, arising from physics, beam instrumentation, difficult to detect equipment failure, the control system and human factors. We present the changes and challenges in the beam delivery because of the ELENA machine, which will deliver beam to the experiments from 2021.

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