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Título puesto: Design of the pulsed magnets for ALBA II

Curso: 2026/27

División: Aceleradores

Descripción del proyecto:

The ALBA Synchrotron consists of 3 accelerators: linear accelerator, booster synchrotron and storage ring. The transfer of the electron beam from one accelerator to the other is achieved by the use of pulsed magnets elements (kickers and septa). The design of the pulsed magnets for the ALBA II accelerator is currently being developed. The selected student will contribute in the design of such pulsed magnets by performing electromagnetic simulations and also by analyzing the data extracted from the pulsed elements prototypes.

Perfil del estudiante:

- Physics, physics engineering or similar
- Electromagnetism knowledge is required.
- Skills in programming in python are desirable.

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