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Accelerators for Beginners and the CERN Complex

Monday 10 March 2025 08:45 (1 hour)

This presentation provides an overview of the fundamental principles of accelerator physics and technology, focusing on the CERN Accelerator Complex. Key topics include the necessity and function of accelerators and colliders, the structure and operation of the CERN accelerator chain, and the critical components of an accelerator. The lecture also explores the maintenance and improvement of these complex machines, highlighting the importance of specialised training and education in accelerator physics. The role of accelerator physicists in both research and industry is emphasised, illustrating the diverse career opportunities and the impact of accelerators on various scientific and technological advancements.

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