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Lattice Cells

Tuesday, November 8, 2022 8:30 AM (1 hour)

This lecture presents an analysis of lattice cell design, with a particular focus on the FODO topology and its various applications in particle accelerator optics. The design methodology explores the stability conditions, phase advances, and chromaticity of the FODO lattice under both theoretical and practical constraints. Additionally, the optics of the CERN accelerators are presented, demonstrating the principles in practical scenarios.

Presenter: STERBINI, Guido (CERN)