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The Next Accelerator

Options for the next high-energy electron-positron collider are reviewed, by comparing a linear-collider design - the ILC - with proposed circular collider Higgs factories such as FCC-ee/TLEP. This presentation sketches relative construction costs, some key intrinsic features of circular and linear colliders, issues related to electrical power consumption, interaction-point spot sizes, luminosity potential, energy scaling laws, technical risks, empirical commissioning times, and several possible future scenarios.

Summary

Options for the next high-energy electron-positron collider are reviewed and compared.

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