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Type: **Poster Presentation**

Design of final focus system for a super tau charm facility

Monday, 8 May 2023 16:30 (2 hours)

Presented in this paper is the beam optics design of the final focus system (FFS) for the Super tau charm facility (STCF) in China, which is an electron positron circular collider with center-mass-energy (CME) from 2 GeV to 7 GeV. To achieve a luminosity of more than $5 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}$, FFS with Large Piwinsky angle and crab waist scheme.

Funding Agency

Footnotes

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Yes

Session Classification: Monday Poster Session

Track Classification: MC1: Colliders and other Particle Physics Accelerators: MC1.A02: Lepton Circular Colliders