

Flavor Physics at the CEPC

Thursday 18 July 2024 16:45 (15 minutes)

The CEPC is a proposed electron-positron Higgs factory. It is expected to deliver millions of Higgs bosons, Teras of Z boson, Gigas of W boson, and potentially Teras of Z boson. On top of the precise Higgs property measurement, it could also conduct an intriguing flavor physics program that is highly complementary to other flavor physics facilities, as well as to other physics measurements at CEPC.

We explored the flavor physics landscape and summaries the physics reach from 40 different physics benchmarks. These studies lead to the conclusion that flavor physics measurements could provide accessibility to New Physics with an energy scale of 10 TeV or even high. We will introduce this work and discuss future action items accordingly.

Alternate track

I read the instructions above

Yes

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