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## Physics Reach and Detector Optimization at the CEPC

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The CEPC project is the next generation of large-scale collider. With a total circumference of 100 km and a center of mass energy from the Z pole to 240 GeV, CEPC is expected to deliver 1 Million Higgs boson and 10 Billion Z bosons in its electron-positron collision phase, and it could be upgraded to a proton collider whose energy reaches 100 TeV regime.

Such huge productivity makes stringent requirement on the detector performance. In this presentation, we will briefly summarize the physics reach and detector optimization studies at the CEPC.

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