

# PASCOS 2016: 22nd International Symposium on Particles, Strings and Cosmology



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## CEPC-SppC Accelerator Status

*Friday, 15 July 2016 15:00 (30 minutes)*

In this talk we will give a bird view of the status Circular Electron Positron Collider (CEPC). The scientific goal and the collider design goal of CEPC are described. The luminosity potential of Super Proton-Proton Collider (SPPC) in the same tunnel of CEPC are also provided. The optimization of parameter designs for CEPC with different energies, machine lengths, single ring and crab-waist collision partial double ring options, etc. have been given systematically. The machine lattice design philosophy and concrete lattice design are given. The corresponding SC RF system designs corresponding to different machine options are presented. Key issues for technology R&D and possible time schedule are addressed.

### Summary

**Presenter:** GAO, Jie (Institute of High Energy Physics, China)

**Session Classification:** Plenary Session 13