

CEPC injector linac design

Saturday 7 July 2018 09:54 (18 minutes)

Circular Electron-Positron Collider (CEPC) is a 100 km ring e^+e^- collider for a Higgs factory. The injector of CEPC is composed of linac and booster. The linac is a normal conducting S-band linac and provide electron and positron beam at an energy up to 10 GeV with repetition frequency in 100 Hz. The linac consideration and design will be detailed discussed, including electron linac, positron linac, positron source and damping ring.

Author: Dr MENG, Cai (Institute of High Energy Physics, CAS)

Presenters: Dr MENG, Cai (Institute of High Energy Physics, CAS); Dr LI, Xiaoping (IHEP)

Session Classification: Accelerators: Physics, Performance, and R&D for Future Facilities

Track Classification: Accelerator: Physics, Performance, and R&D for Future Facilities