

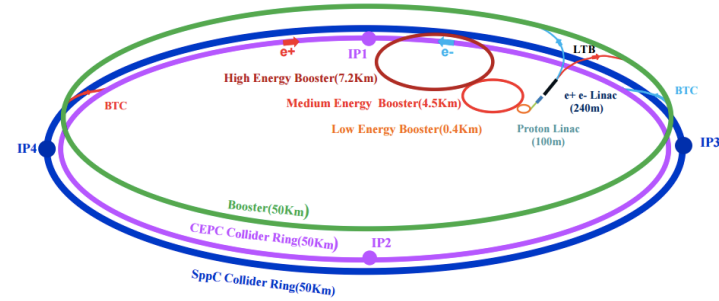


Electroweak Physics in CEPC

Zhijun Liang

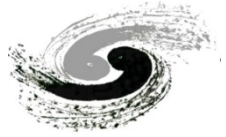
IHEP,CAS

CEPC



- Electron-positron circular collider
 - Higgs Factory ($E_{\text{cms}}=250\text{GeV}$, 10^6 Higgs)
 - Precision study of Higgs coupling in ZH runs
 - complementary to ILC
 - See Manqi and Gang's talk this morning in Higgs section for more details
 - Z factory ($E_{\text{cms}}=91\text{ GeV}$, $10^{10} - 10^{11}$ Z Boson) :
 - Precision Electroweak measurement in Z pole running
- Preliminary Conceptual Design Report(Pre-CDR) available :
 - <http://cepc.ihep.ac.cn/preCDR/volume.html>
- Aiming for Conceptual Design Report (CDR) in next month
- TDR study in the longer term future

Current



- **Current team**
 - **W mass** : Bo Liu (IHEP) , PeiZhu Lai(NCU)
 - **R_B**: Bo Li (Yantai)
 - **Afb**: Mengran Li
 - **WW threshold scan**: Peixun Shen
 - **CEPC physics and simulation group convener** :
Manqi and Gang
- **Welcome the new members**
 - **Maarten Boonekamp** : W mass , R_b
 - **Fulvio Piccinini** : electroweak physics in Z pole