

Correction of sextupole

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At present, the Loco correction of quadrupole has been a application in the operation of the BEPCII accelerator division. When exists the energy deviation in the collider, the beam correction is used to improve the luminosity. However, there is a lack of sextupole correction. Sextupole corrections has been used in KEKB and RHICL. Correcting the sextupole can increase beam life, dynamic aperture and so on. This poster mainly focuses on the lattice structure of BEPCII, and carries out some theoretical calculation and simulation verification for the beta function measurement and sextupole correction.

Primary author: Mrs WEI, yanru (IHEP)

Presenter: Mrs WEI, yanru (IHEP)

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