

Analytical Estimation of Dynamic Aperture for Higgs Factory

Friday, July 6, 2018 8:15 PM (15 minutes)

Based on the standard mapping, analytical formula for estimating the dynamic apertures of synchrotron particles has been established for both on-momentum and off-momentum particles. In this paper, we extended the formula of dynamic aperture considering features of a Higgs Factory. As an example, application on the dynamic aperture optimization for the CEPC (Circular Electron and Positron Collider) collider ring will be presented.

Primary author: WANG, Yiwei

Presenter: LEVICHEV, Evgeny (Budker Institute of Nuclear Physics (RU))

Session Classification: POSTER

Track Classification: Posters