

Contribution ID: 30 Type: not specified

## Realistic approach for beam dynamics simulation with synchrotron radiation in high energy circular lepton colliders

Wednesday 24 August 2016 18:20 (20 minutes)

In extremely high energy circular lepton collider correct consideration of synchrotron radiation is important for beam dynamics simulation. We developed fast, precise and effective method to track the particles in realistic lattice when the radiation effects are distributed along the orbit. As an example we study beam dynamics in the FCC-ee lepton collider.

Primary author: Mr GLUKHOV, Sergey (BINP)

**Presenter:** Mr GLUKHOV, Sergey (BINP)

Session Classification: Young Scientists' Forum

Track Classification: Accelerator design and technologies