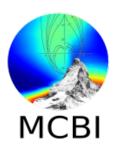
## ICFA mini-Workshop on "Mitigation of Coherent Beam Instabilities in particle accelerators" MCBI 2019



Contribution ID: 72 Type: not specified

## Coherent and incoherent effects of e-cloud

Thursday 26 September 2019 17:30 (30 minutes)

Electron cloud generated by photo-emission, ionization and secondary emission is build up in vacuum chamber. The electron cloud causes single and multi-bunch coherent instability of the beam. The cloud also induces tune shift and emittance growth as incoherent effects. We discuss theory, simulation and experiments of these coherent and incoherent effects.

Author: OHMI, kazuhito (KEK)

**Presenter:** OHMI, kazuhito (KEK)

Session Classification: Session 7