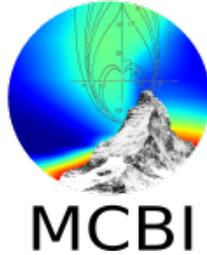


ICFA mini-Workshop on "Mitigation of Coherent Beam Instabilities in particle accelerators" MCBI 2019



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## Mitigation of Coherent Beam Instabilities in FCC-ee

*Friday 27 September 2019 10:40 (25 minutes)*

In order to achieve a high luminosity in the electron-positron Future Circular Collider (FCC-ee) very intense multi-bunch beams with low emittances are accumulated in two separate rings and collide in two interaction regions exploiting the crab waist collision scheme. In order to preserve beam quality and to avoid collider performance degradation a careful study of beam collective effects is required. In this talk we overview coherent beam instabilities potentially dangerous for FCC-ee and discuss measures and techniques for their mitigation.

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