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## Luminosity leveling with crabs

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Concept of luminosity leveling and the effect of luminosity leveling with crab cavities at ultimate bunch intensities. The use of crab cavities for smaller than nominal emittances for operation with total beam-beam tune shifts of 0.02 to 0.03.

**Author:** STERBINI, Guido (CERN BE-ABP)

**Presenter:** STERBINI, Guido (CERN BE-ABP)

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