

Instabilities and beam induced rf heating in 2015

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Instabilities were observed during operation at injection, flat top and during the betatron squeeze. This resulted in high chromaticities and octupole currents in all stages of the machine cycle. A series of dedicated measurements at flat top and end of squeeze of the instability threshold was performed which can shine a light on expected performance in 2016. Beam induced rf heating will also be reported on, with emphasis placed on the performance of the MKI kicker and the effect of the bunch length.

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