

Single bunch tuning

High chromaticities are required to increase the threshold current

ESRF figures

Multibunch:	$\varepsilon_x = 3.6$	$\varepsilon_z = 5.8$
Single bunch 15 mA	$\varepsilon_x = 7.6$	$\varepsilon_z = 12.9$

Numerous resonances on the path of Touschek scattered particles

Reduction of dynamic aperture

Reduction of lifetime

