

Circumference Lengthening

studies on April 27

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April 29 session

- Accelerated 12 bunch Blue beam to the store with the special ramp (no separation and protection orbit bumps at the store) only from 3rd attempt!
GammaT jump was not happening at the transition.
- Non linear chromaticity measurements: considerably lower numbers ($\sim 1100/1400$) than at previous APEX sessions.
Improved transfer functions of RHIC quadrupoles.
- Two radial shift ramps were attempted. Beam survived up to -5mm radial orbit (as measured by the arc BPMs), but the problem with tune control was observed.
The investigation is underway.

Last orbits before beam abort



Beam sudden loss and the beam tune control on a radial shift ramp.

