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Main current activities:

* MDs on single bunch with high intensity in SPS (with many many colleagues…)
* nominal gamma transition:
  + achieved to store and accelerate more than 3e11 p/b, but large losses and transverse emittance blow up
  + achieved to store and accelerate up to 2.3e11 p/b, with acceptable losses and transverse emittance blow up
* lower gamma transition (idea of Yannis)
  + achieved to store and accelerate up to 3e11 p/b, with acceptable losses and transverse emittance blow up. Longitudinal parameters should still be validated.
* HEADTAIL simulations of single bunch instabilities in LHC with octupoles
* Order of magnitude of measured growth rate and damping with octupoles reproduced by simulations
* Improvement of ZBASE for SPS and LHC
* Daily work on the base to improve reliability and operability

Next steps:

* Improve longitudinal impedance model with BE/RF (Theodoros and Elena)
* HEADTAIL simulations of SPS with low gamma transition
* MDs to monitor and minimize transverse emittance blow up for high intensity bunches