

GOAL: Simulate the effect of different excitation mechanisms on the Tune Measurements
(for instrument specifications)

Implementation of Coherent Multi Bunch Interactions COMBI

- Extend the number of bunches to kick and select a preferential and/or random direction for the kick
- Observation of the tune spectra over single or multiple selected bunches in a defined position along the machine

Possible scenarios during tune measurements:

- 1 bunch kicked \longrightarrow 1 selected bunch observed
- N selected bunches kicked \longrightarrow 1 selected bunch observed
- 1 bunch kicked \longrightarrow M selected bunches averaged
- N selected bunches kicked \longrightarrow M selected bunches averaged

