## 1-3 October 2009, Workshop on European Strategy for Neutrino Physics



no. of simultaneous bunches

magnet type

bunch spacing

burst duration

bunch length

beam energy

beam power

repetition

2/1 NC

30 µs / -

60 µs / -

2 ns

5 GeV

4 MW

50 Hz

SC (bending)

12 µs

60 µs

2 ns

5 GeV

4 MW

50 Hz

SPL-based Proton Driver for a nu-Factory at CERN

M.Aiba, E.Benedetto, R.Garoby, M.Meddahi (CERN)



## $\bullet$ Physics (and $\mu\text{-collider})$ prefers smaller # bunches:

- "3-bunches option" has been designed and seems feasible
- "1-bunch scenario" challenging, but might be ok

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