

## Chamonix summary, focused on what concerns the Booster upgrade

### long LHC shutdowns:

LHC running in 2012 → long (~19 month) stop in 2013:

has big impact on injector renovation

- what can we already do in 2013

- can the installation and commissioning of the H- injection be advanced

no very clear statement on the following long shutdown (2016, 17, ..???)

At yesterday's LMC it was said that 19 months are beam-off/beam-on; therefore commissioning time needs to be added

### On the injectors:

- Rende's talk about what will be requested / what we can deliver this year
- my talk (you know it); again questions about the cost (new MPS...); open point of PS injection into the PS needs urgently to be answered
- Oliver's talk *"Do we really need the LHC luminosity upgrade? Or, which performance can we get without an upgrade?"* ; assumes an injector upgrade.
- Simone's presentation *"Can the PS make use of 2 GeV"*, was not directly answered but had based all parameters on 2 GeV injected into the PS; implicit "yes"
- Presentations on the SPS by Miguel Jimenez and Elena
- Alternative Scenarios by C. Carli: Batch compression in the PS, and RCS option (see later)
  - RCS option attracted much interest; need to get a clearer picture of the technical feasibility and of the real cost (including Linac4 modifications).