

RLIUP (summary)

Review of LHC and Injector Upgrade Plans

History

- Present “10 year” schedule was
 - proposed and developed at a time when we had much less information than now
 - and was not developed in a self-consistent (iterative) way.

Comment on Machine Performance

- In the early years of operation, spectacular performance increase can be attained by pushing accelerator physics limitations (intensity, beta*, emittance ...)
- After some years of operation, these possibilities become exhausted
- Slower performance increases then comes by **upgrades** and small (%) improvements on a multitude of fronts including machine availability etc
- **LHC is entering this new phase (upgrades and small improvements on many fronts)**
 - **Both need careful planning**

Let's get started