

# Concluding Remarks-Accelerators

- New Opportunities for Physics at CERN using
  - Existing accelerators and facilities
  - Accelerators foreseen for the upgrade of the LHC
- Important Considerations
  - Time lines for these proposals
  - **Coherence** (non competition) with proposals/plans elsewhere
  - Identify **critical components requiring R&D** that are **common** to several proposals
  - Sometime after the WS to produce a world wide coherent plan for non-LHC physics

# Concluding Remarks-Accelerators

- **Coherence**
  - E.g.HIE-ISOLDE, SPIRAL2, FAIR, EURISOL...
  - AD, FLAIR, .....
- **Elsewhere**
  - FNAL, BNL, KEK/JPARC, GSI, LBL(muon collider), DUBNA
  - China, UK, DESY, Russia (non DUBNA)
- **Common R&D**
  - RF: SPL, HIE-ISOLDE, ESS, ...
  - MMW targets:

# Spurious Comments and Concerns

- Age of accelerators in 2020

- PS... 60 years old
- PS booster...42
- SPS...44
- North Area
- LHC...12

We must keep these facilities alive until they are replaced... Consolidation

- Accelerators foreseen for the upgrade of the LHC (LINAC4, SPL, PS2)

- We should consider the possibility that we may be allowing the requirements for “other” physics dominate the original objectives?
- “SPL (LP/HP)”
- “PS2 will be idle for 75% of the time”

# Future Input

- Neutrino Workshop 1-3 October
  - Time lines must also be considered
- Brain-storming Workshop on medical applications of CERN technologies: Fall 2009
  - Needs for a radiation facility for light ions
  - Use of AD and LEIR for medical studies

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