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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