

LIU 2011 Event

Steve Myers

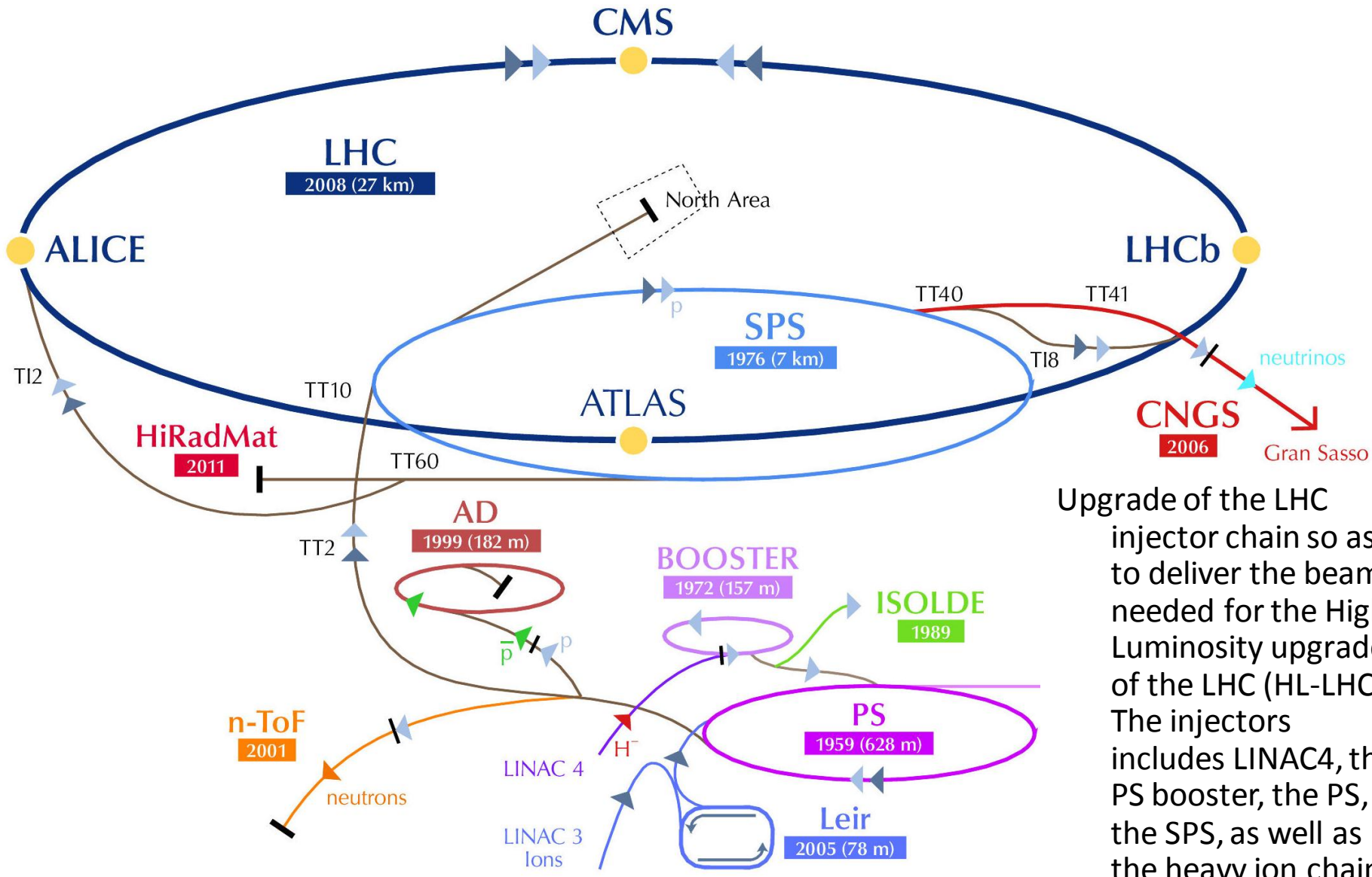
Introduction

- 4 major projects in the Accelerator sector
 1. LIU (Roland Garoby)
 2. Consolidation [LHC and Injectors] (Simon Baird)
 3. HL-LHC (Lucio Rossi)
 4. CLIC/ILC (Steinar Stapnes)

The aim of the three LHC projects was to create a coherent approach to the future development of the LHC machine

LIU Mandate

A massive task!!



Upgrade of the LHC injector chain so as to deliver the beams needed for the High Luminosity upgrade of the LHC (HL-LHC). The injectors includes LINAC4, the PS booster, the PS, the SPS, as well as the heavy ion chain.

Implementation

The LIU Project will:

- Analyze the status of the injectors and the HL-LHC requirements,
- Propose an upgrade path for the injectors, exploiting the work done by the Task Forces on the “PSB energy upgrade” and “SPS upgrade” and by the Working Group on the SPS upgrade,
- Organize the upgrades (WBS with resources and planning) and take care of their implementation,
- Take care of hardware and beam commissioning.

A very interesting group of subjects covering the majority of CERN's accelerators

Welcome

09:00	Welcome <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>MYERS, Steve</i> 09:00 - 09:10
	Goals and planning of the LIU project (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>GAROBY, Roland</i> 09:10 - 09:30
	Linac4 status and planning (20+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>VRETENAR, Maurizio</i> 09:30 - 10:00
10:00	Coffee Break <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	10:00 - 10:30
	PSB (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>HANKE, Klaus</i> 10:30 - 10:50
11:00	PS (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>GILARDONI, Simone</i> 10:50 - 11:10
	SPS (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>GODDARD, Brennan</i> 11:10 - 11:30
	Challenges in Beam Instrumentation (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>JONES, Rhodri</i> 11:30 - 11:50
12:00	H- injection in the PSB (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>WETERINGS, Wim</i> 11:50 - 12:10
	PSB main power supply (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>PITTET, Serge</i> 12:10 - 12:30
13:00	Lunch Break <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	12:30 - 14:00
14:00	PSB RF (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>PAOLUZZI, Mauro</i> 14:00 - 14:20
	PSB – PS beam transfer equipment (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>BORBURGH, Jan</i> 14:20 - 14:40
	Beam gymnastics and LLRF in the PS (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>HANCOCK, Steven</i> 14:40 - 15:00
15:00	PS RF (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>ROSSI, Carlo</i> 15:00 - 15:20
	Collective effects and limitations in the PS (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>RUMOLO, Giovanni</i> 15:20 - 15:40
	Coffee Break <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	15:40 - 16:00
16:00	SPS collective effects and limitations (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>CHAPOCHNIKOVA, Elena</i> 16:00 - 16:20
	SPS RF Upgrade (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>MONTESINOS, Eric</i> 16:20 - 16:40
	SPS Q20 (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>BARTOSIK, Hannes</i> 16:40 - 17:00
17:00	e-clouds in SPS (15+5) <i>BE Auditorium Prévessin, 864-1-D02, CERN</i>	<i>TABORELLI, Mauro</i> 17:00 - 17:20