

Workshop Chamonix XV



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I-LHC Project overview

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The LHC physics programme with heavy ions (lead-lead) collisions at a luminosity of 10^{27} cm⁻²s⁻¹ requires an upgrade the ion injector chain: Linac3-LEIR-PS-SPS. The construction of LEIR is now finished and beam commissioning is under way. The status of the modifications in and around the PS and SPS (new injection system, rf gymnastics, stripping insertion) and the plans for their commissioning and the transition from the “Early” to “Nominal” lead ion beams are outlined. The milestones, schedule and the impact of any changes are discussed. A tentative estimate of the lead beam brilliance and intensity in LHC is made.

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