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LIU: Which beams in the injectors fulfil HL-LHC Upgrade Scenario 1 goals? (20' + 10')

Wednesday 30 October 2013 11:30 (30 minutes)

Abstract:

The talk will summarize the current understanding of the issues to be addressed in the injectors in order to fulfil the requirements of the HL-LHC in the framework of the upgrade scenario 1.

The required beam parameters in the different accelerators will be outlined, and the relevant performance limitations described. Possible beam production schemes will be presented, and their relative merits will be compared. The upgrades required in the preferred scenario will be described and the beam characteristics potentially accessible at LHC injection will be estimated.

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Session Classification: Session 3: PICs and Upgrade scenario 1 - Session 3B - Upgrade scenario 1