

Challenges for the SPS and SPS-to-LHC transfer for the 2016 Run 1

Monday, 25 January 2016 18:35 (25 minutes)

20' + 5'

<P> The LHC 2016 run will be a high intensity 25 ns physics production run. During the 2015 commissioning run several issues for the SPS and SPS-to-LHC transfer became apparent which will need to be addressed in 2016 and the years to come. Some of these will only be fully mitigated with the LIU upgrade of the SPS. This talk will summarize the experience with 25 ns beams in the SPS during 2015 run and present the achieved performance. Outstanding issues such as orbit control at flattop, satellite population, tail population etc. as well as mitigation possibilities for the next run will be discussed. </P>

Presenter: KAIN, Verena

Session Classification: Session 2: Key Challenges for Operation

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