

Session Program

5-8 Dec 2022

Joint Accelerator Performance Workshop

Session 3: LIU Proton Beams for the LHC

CERN, 30/7-018 - Kjell Johnsen Auditorium

Tuesday 6 December

08:30

Session 3: LIU Proton Beams for the LHC

Session | **Location:** CERN, 30/7-018 - Kjell Johnsen Auditorium | **Conveners:** Hannes Bartosik, Stephane Fartoukh

08:30–09:00

LIU intensity ramp-up: longitudinal beam dynamics and RF aspects (20' + 10')

Speaker

Ivan Karpov

09:00–09:30

LIU intensity ramp-up: transverse aspects (20' + 10')

Speaker

Carlo Zannini

09:30–10:00

Transverse tails and Losses at LHC injection (20' + 10')

Speaker

Foteini Asvesta

10:00–10:30

E-cloud limitations in the LHC and mitigation strategy (20' + 10')

Speaker

Lotta Methér

10:30–11:00

Coffee break

11:00–11:30

Bunch charge limitation from LHC beam extract-ability (20' + 10')

Speaker

Calum Sharp

11:30–12:00

Bunch charge limitation from the LHC RF system (20' + 10')

Speaker

Theodoros Argyropoulos

12:00–12:30

LHC bunch charge limitation from beam induced RF heating (20' + 10')

Speaker

Benoit Salvant

12:30