

Session Program

10-12 Mar 2025

LumiDays 25

***Impact of accelerator instrumental issues on
luminosity calibrations***

CERN, 774/R-013

Tuesday 11 March

16:00

Impact of accelerator instrumental issues on luminosity calibrations: 3A

Session | Location: CERN, 774/R-013 | Convener: Manuel Gonzalez Berges

16:00-16:15 **Tune measurements in vdM fills, before and during collisions**

Speaker

Tom Levens

16:20-16:40

LHC bunch-population measurements in Run III & beyond: a status report

Speaker

Alexander Nicholas Jury

16:50-17:05

LHCb ghost-charge measurements

Speaker

Niall Thomas Mchugh

17:10-17:25

**Numerical Tools for Studying Beam Dynamics Effects on Luminosity Calibration:
COMBI and XSUITE**

Speaker

Dr Tatiana Pieloni

17:30-17:55

Follow-up questions and discussion

Speaker

Witold Kozanecki

18:20

Wednesday 12 March

09:00

Impact of accelerator instrumental issues on luminosity calibrations: 3B

Session | Location: CERN, 774/R-013 | Convener: David Stickland

09:00-09:25

Impact of magnetic non-linearities, BPM performance & x-y coupling on ATLAS length-scale calibrations

Speaker

Richard Hawkings

09:35-09:50

Status report on LHC beam-position measurements at the experimental IPs

Speaker

Dr Marek Gasior

10:00-10:20

BPM- and BGI-based beam-displacement measurements at IP8

Speaker

Vladislav Balagura

10:30

11:00

Impact of accelerator instrumental issues on luminosity calibrations: 3C

Session | Location: CERN, 774/R-013 | Convener: David Stickland

11:00-11:25

Emittance evolution in physics and luminosity-calibration fills: what measurements do we have and what did we learn from them?

Speaker

Sofia Kostoglou

11:30