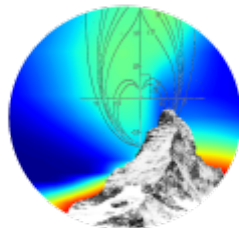


Session Program

23-27 Sept 2019



MCBI

ICFA mini-Workshop on "Mitigation of Coherent Beam Instabilities in particle accelerators" MCBI 2019

Session 4

Zermatt, CH

Parkhotel Beau Site, Brunnmattgasse 9 CH-3920 Zermatt (Switzerland)

Thursday 26 September

08:30

Session 4: Feedback

Session | **Location:** Zermatt, CH, Parkhotel Beau Site, Brunnmattgasse 9 CH-3920 Zermatt (Switzerland) |
Convener: Gennady Stupakov

08:30–08:55

Active methods of suppressing longitudinal multi-bunch instabilities

Speaker

Heiko Damerau

08:55–09:20

Transverse dampers with ultimate gain for suppression of instabilities in large hadron colliders

Speaker

Valeri Lebedev

09:20–09:45

The LHC transverse damper: a multi-purpose system

Speaker

Daniel Valuch

09:45–10:10

Implementation of transverse dampers in beam stability analyses

Speaker

Kevin Shing Bruce Li

10:10–10:40

Coffee break

10:40–11:05

Interplay of transverse damper and head-tail instability

Speaker

Dr Victor Smaluk

11:05–11:30

Destabilising effect of resistive transverse dampers

Speaker

Elias Metral

11:30–11:55

Feedback Design for Control of the Micro-Bunching Instability based on Reinforcement Learning

Speaker

Tobias Boltz

12:00