

Session Program

13-15 Jun 2023

**Workshop on Dust Charging and Beam-Dust
Interaction in Particle Accelerators**

***Session 4: Dust in particle accelerators II
(Vacuum, surfaces and RF)***

CERN, 30/6-019

Wednesday 14 June

10:40

Session 4: Dust in particle accelerators II (Vacuum, surfaces and RF)

Session | Location: CERN, 30/6-019 | Convener: Guillaume Jonathan Rosaz

10:40-11:10

Issues with beam-dust interaction inside the vacuum chamber at SuperKEKb

Speaker

Yusuke Suetsugu

Location

11:10-11:35

Dust in accelerator vacuum systems: Vacuum manipulations and beam-screen treatment at LHC

Speaker

Cedric Garion

Location

CERN, 30/6-019

11:35-12:00

Surface laser treatment of vacuum systems and potential dust issues

Speaker

Marcel Himmerlich

Location

12:00

13:30

Session 4: Dust in particle accelerators II (Vacuum, surfaces and RF)

Session | Location: CERN, 30/6-019 | Convener: Guillaume Jonathan Rosaz

13:30-14:00

Analysis and possible sources of dust grains extracted from the LHC

Speaker

Ana Teresa Perez Fontenla

Location

14:00-14:30

Dust issues and beam losses in LHC injection kickers: What can we learn from it?

Speaker

Mike Barnes

Location

14:30-15:00

Dust issues at DESY (HERA, DORIS, PETRA) and how to avoid them at XFEL and FLASH

Speaker

Lutz Lilje

Location

15:00-15:30

Dust migration into RF cavities

Speaker
Aveen Mahon

Location

15:30-15:50 **Discussion Session 4**

Location

15:50-16:10 **Coffee break**

16:10