

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

16:10	Speaker Aveen Mahon
	Location
	15:30-15:50 Discussion Session 4
	Location
	15:50-16:10 Coffee break