

# **FCC-hh impedance and beam screen workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Introduction to impedance and beam stability in FCC-hh**

*Thursday, 30 March 2017 15:00 (20 minutes)*

**Presenter:** BOINE-FRANKENHEIM, Oliver (TU Darmstadt)

**Session Classification:** General impedance / beam stability

Contribution ID: 2

Type: **not specified**

## **Contributions to the impedance budget with focus on interconnects and pumping holes**

*Thursday, 30 March 2017 15:20 (20 minutes)*

**Presenter:** RIEMANN, Bernard (TU Dortmund University)

**Session Classification:** General impedance / beam stability

Contribution ID: 3

Type: **not specified**

## Impedance of the collimators

*Thursday, 30 March 2017 15:40 (20 minutes)*

**Presenter:** ASTAPOVYCH, Daria (TU Darmstadt)

**Session Classification:** General impedance / beam stability

Contribution ID: 4

Type: **not specified**

## **HTC coating as an option for the beam screen**

*Thursday, 30 March 2017 16:00 (20 minutes)*

**Presenter:** NIEDERMAYER, Uwe (TU-Darmstadt)

**Session Classification:** General impedance / beam stability

Contribution ID: 5

Type: **not specified**

## RF system for FCC-hh

*Thursday, 30 March 2017 16:50 (20 minutes)*

**Presenter:** SHAPOSHNIKOVA, Elena (CERN)

**Session Classification:** General impedance / beam stability

Contribution ID: 6

Type: **not specified**

## Feedback system for FCC-hh

*Thursday, 30 March 2017 17:10 (20 minutes)*

**Presenter:** HOFLE, Wolfgang (CERN)

**Session Classification:** General impedance / beam stability

Contribution ID: 7

Type: **not specified**

## Instability mitigation for FCC-hh

*Thursday, 30 March 2017 17:30 (20 minutes)*

**Presenter:** KORNILOV, Vladimir (GSI Helmholtzzentrum Darmstadt, Germany)

**Session Classification:** General impedance / beam stability

Contribution ID: **8**

Type: **not specified**

## **Introduction / overview of the beam screen related activities**

*Friday, 31 March 2017 09:00 (20 minutes)*

**Presenter:** CHIGGIATO, Paolo (CERN)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: 9

Type: **not specified**

## Beam screen design

*Friday, 31 March 2017 09:20 (20 minutes)*

**Presenter:** GARION, Cedric (CERN)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: **10**

Type: **not specified**

## **Vacuum performance of the beam screen**

*Friday, 31 March 2017 09:40 (20 minutes)*

**Presenter:** KERSEVAN, Roberto (CERN)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: 11

Type: **not specified**

## Electron cloud in FCC-hh

*Friday, 31 March 2017 10:00 (20 minutes)*

**Presenter:** METHER, Lotta (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Beam screen design / laser treatment

Contribution ID: **12**

Type: **not specified**

## **Laser treatment at STFC**

*Friday, 31 March 2017 10:20 (20 minutes)*

**Presenter:** Dr MALYSHEV, Oleg (STFC Daresbury Laboratory)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: 13

Type: **not specified**

## **Laser treatment at Dundee, relevance for HL-LHC**

*Friday, 31 March 2017 11:10 (20 minutes)*

**Presenter:** CALATRONI, Sergio (CERN)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: **14**

Type: **not specified**

## **Impact of laser treatment on the impedance of the beam screen**

*Friday, 31 March 2017 11:30 (20 minutes)*

**Presenter:** ARSENYEV, Sergey (CERN)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: 15

Type: **not specified**

## **Plans for impedance measurements at ICMAB and ALBA**

*Friday, 31 March 2017 11:50 (20 minutes)*

**Presenter:** PEREZ, Francis (ALBA Synchrotron - CELLS)

**Session Classification:** Beam screen design / laser treatment

Contribution ID: **16**

Type: **not specified**

## Proposals for impedance measurements at CERN

*Friday, 31 March 2017 12:10 (20 minutes)*

**Presenter:** CALATRONI, Sergio (CERN)

**Session Classification:** Beam screen design / laser treatment