# **Session Program**

9-13 Oct 2023



# **HB2023**

# WGE - Beam Instrumentation and Intercepting Devices

CERN, 500/1-001 - Main Auditorium

### **Wednesday 11 October**

08:55

#### WGE - Beam Instrumentation and Intercepting Devices

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Patrick Hurh, Kenichirou Satou, Peter Forck

#### 08:55-09:15

"Radiation hardened beam instrumentations for multi-Mega-Watt beam facilities"

#### **Speakers**

Katsuya Yonehara, Katsuya Yonehara

09:15-09:25 **Discussion** 

#### 09:25-09:40

"Improvement design of a beam current monitor based on a passive cavity under heavy heat load and radiation"

#### Speaker

Jilei Sun

09:40-09:50 **Discussion** 

#### 09:50-10:10

"Beam Diagnosis and Soundness Check System for Neutrino Production Targets"

#### **Speakers**

Megan Friend, Megan Friend

10:10-10:20 **Discussion** 

#### 10:20-10:35

"Challenges of Target and Irradiation Diagnostics of the IFMIF-DONES Facility"

#### Speaker

Claudio Torregrosa

10:45

10:35-10:45 **Discussion** 

11:05

#### WGE - Beam Instrumentation and Intercepting Devices

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Peter Forck, Kenichirou Satou, Patrick Hurh

#### 11:05-11:25

"Beam Intercepting Device Challenges for High Intensity Accelerators - Global perspective"

#### **Speakers**

Antonio Perillo Marcone, Antonio Perillo Marcone

11:25-11:35 **Discussion** 

11:35-11:50

"Evaluation of power deposition in HL-LHC with crystal-assisted heavy ion collimation"

Speaker

Volodymyr Rodin

11:50-12:00 Discussion

12:00-12:20

"Operational Performance with FRIB Liquid Lithium and Carbon Charge Strippers"

Speaker

Takuji Kanemura

12:20-12:30 **Discussion** 

12:30-12:45

"Two-Dimensional Temperature Measurements of Nanocrystalline Diamond Stripper Foils at High Intensity Hydrogen Ion Beams at SNS"

Speaker

Abdurahim Rakhman Oguz

12:45-12:55 **Discussion** 

12:55

## **Thursday 12 October**

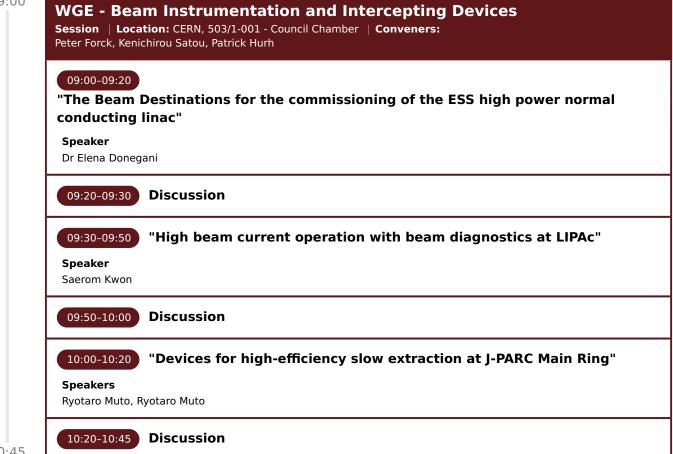
11:05

**WGE - Beam Instrumentation and Intercepting Devices Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Kenichirou Satou, Patrick Hurh, Peter Forck 11:05-11:25 "Non-Invasive Transverse Profile Measurement Methods" **Speakers** Randy Michael Thurman-Keup, Randy Thurman-Keup 11:25-11:35 **Discussion** "Extraction of LHC Beam Parameters from Schottky Signals" 11:35-11:55 Speakers Kacper Lasocha, Kacper Lasocha 11:55-12:05 **Discussion** 12:05-12:25 "Spectral modification for BTF-based tune measurements of beam close to a 3rdorder resonance" Speaker Edgar Cristopher Cortes Garcia 12:25-12:35 Discussion 12:35-12:50 "Shower Simulations for the Cern Proton Synchrotron Internal Dump and **Comparison With Beam Loss Monitor Data**" **Speakers** Dr Samuel Niang, Samuel Niang 12:50-13:00 **Discussion** 

13:00

## Friday 13 October

09:00



10:45