

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

10:35-10:45

Discussion

10:45

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

11:35-11:55

"Extraction of LHC Beam Parameters from Schottky Signals"

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 3rd-order 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

WGE - Beam Instrumentation and Intercepting Devices

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

09:00-09:20

"The Beam Destinations for the commissioning of the ESS high power normal conducting linac"

Speaker

Dr Elena Donegani

09:20-09:30

Discussion

09:30-09:50

"High beam current operation with beam diagnostics at LIPAc"

Speaker

Saerom Kwon

09:50-10:00

Discussion

10:00-10:20

"Devices for high-efficiency slow extraction at J-PARC Main Ring"

Speakers

Ryotaro Muto, Ryotaro Muto

10:20-10:45

Discussion

10:45