

Session Program

Oct 19 - 24, 2025



**HB2025 - the 71st ICFA Advanced Beam
Dynamics workshop on High-Intensity and High-
Brightness Hadron Beams**

THFA WGs flash talks

Thu, October 23

2:00 PM

THFA WGs flash talks: Flash Talks

Session | **Location:** Conference Center, Room A | **Convener:** Liangting Sun

2:00 – 2:05 PM

Modeling of Long-Bunch Space Charge in Circular Accelerators with Unfixed Closed Orbit

Speaker

Kai Zhou

2:05 – 2:10 PM

Applying radio frequency noise for longitudinal blow-up of debunched beam in the Large Hadron Collider

Speaker

Simon Lauber

2:10 – 2:15 PM

Simulation Study of Space Charge Effects on Transverse Coupled-Bunch Instabilities

Speaker

Li Rao

2:20 – 2:25 PM

Longitudinal limitations in the CERN Proton Synchrotron Booster

Speaker

Mariangela Marchi

2:45 – 2:50 PM

Longitudinal localized kick driven fast extraction method for 3D PBS proton FLASH delivery

Speaker

Yang Xiong

2:55 – 3:00 PM

Longitudinal Phase Space Reconstruction from Beam Current Projections Using Deep Convolutional Neural Networks

Speaker

Yixuan Luo

2:55 – 3:00 PM

Longitudinal beam stacking in storage ring using pulsed e-cooling

Speaker

He Zhao

2:55 – 3:00 PM

Controlling induced radioactivity in CSNS RCS

Speaker

Yuwen An

2:55 – 3:00 PM

Scenario of beam-based alignment with new BPM system for future beam commissioning of 1.3-MW operation at the J-PARC Main Ring

Speaker

Yoshihiro Saito

2:55 – 3:00 PM

Measurement and Analysis of Beam Intensity for the C-band Photocathode Electron Gun Platform

Speaker

Weiling Huang

2:55 – 3:00 PM

Development of a beam commissioning tool based on Bayesian optimization in CSNS

Speaker

Hanyang Liu

2:55 – 3:00 PM

Design of the BLM electronics for the CSNS Superconducting LINAC

Speaker

Lei Zeng

3:00 PM