

MONDAY, JULY 10

4:55 PM → 6:00 PM MoPos01: Terahertz-Driven MeV Electron Bunch Compression and Streaking

Presenter: 徐 阳 (华中科技大学)

MoPos02: Preliminary Research of Laser-Beam Interaction in Dielectric Structure

Presenter: 樊 思 劼 (清华大学)

MoPos03: Study on a Polarization Controllable Undulator for High-Gain Free Electron Lasers

Presenter: 黄 瑞 萱 (中国科学技术大学)

MoPos04: Lowest Longitudinal and Transverse Resistive-wall wake and impedance for nonultrarelativistic beams

Presenter: 唐 家 振 (清华大学)

MoPos05: Design of Beam Dynamics for a High-Power DC Proton Accelerator at the MeV Level

Presenter: 何 子 锋 (中科院上海应物所)

MoPos06: Narrowband Impedance Studies in the HEPS Storage Ring

Presenter: 王 娜 (中科院高能所)

MoPos07: Arbitrary Temporal Shaping of Electron Bunches from a Photocathode Gun

Presenter: 王 天 一 (北京大学)

MoPos08: A method to calculate space charge effects for infinitely many bunches

Presenter: 李 洪 雨 (清华大学)

MoPos09: Harmonic cavity dynamics studies: efficient methods and new type of Robinson instabilities

Presenter: 何 天 龙 (中国科学技术大学)

MoPos10: Impact of the thickness and resistivity of NEG coating on beam coupling impedance

Presenter: 何 天 龙 (中国科学技术大学)

MoPos11: Adaptive Electron Beam Shaping Using Rapid Quantum Efficiency Mapping Method

Presenter: 刘 中 琦 (北京大学)

MoPos12: Longitudinal Compression of Macro Relativistic Electron Beam

Presenter: 李 岸 (清华大学)

MoPos13: Correction of Electron Beam Aberration Due to Multipole Fields in a Continuous-Wave Photocathode Gun

Presenter: 贾 豪 彦 (北京大学)

MoPos14: Development of a Vlasov Solver for Arbitrary Sub-optimal Lengthening Conditions in Double-RF System

Presenter: 徐 景 晔 (中科院高能所)

MoPos15: Optimization Design of Photocathode Injector Assisted by Deep Gaussian Process

Presenter: 孙 正 (中科院高能所)

MoPos16: Matching section optics design for the MeV ultrafast electron beam experimental facility

Presenter: 漆 鸿 (华中科技大学)

MoPos17: Analysis of the Fluctuation of Resonance Driving Terms for Nonlinear Lattice Optimization

Presenter: 魏 炳 锋 (中国科学技术大学)

MoPos18: Longitudinal Beam Dynamics Design for Super Tau-Charm Facility

Presenter: 张 林 浩 (中国科学技术大学)

MoPos19: Development Status of Beam Dynamics Software APES for CEPC

Presenter: 刘 渭 滨 (中科院高能所)

MoPos20: Investigation of Multipole Field Effects and Cavity Shape Optimization for Lower Emittance in Rf Guns

Presenter: 李 闯(上海科技大学)

MoPos21:Energy Stabilization of High-charge Laser Plasma Accelerator Electron Beams via Hybrid Plasma Dechirper

Presenter: 石 雪岩(中科院高能所)

MoPos22:An Ultrafast Strong Field Terahertz Lightsource

Presenter: 张 通(中国科学技术大学)

MoPos23:A Compact X-ray Light Source Based on a Weak-focus Accelerator

Presenter: Dong Ziqiang (中国科学技术大学)

MoPos24:Accelerator-Based High-Throughput Material Physical Property Measurement System in Terahertz Near-Field

Presenter: Shao ZhuoXia (中国科学技术大学)

MoPos25:Damping Trapped Modes in Vacuum Chamber of Heps in-Air Undulators

Presenter: 李 锦涛(中科院高能所)

MoPos26:Accelerator physics schemes of Shenzhen innovation light source

Presenter: He Tao (深圳综合粒子设施研究院)

MoPos27:A scheme of fully coherent X-ray free electron laser for the SHINE based on fresh slices

Presenter: 刘 义轩(中科院上海应物所)

MoPos28:Investigation on the Transverse Impedance of CPMU at HEPS

Presenter: 岳 森(中科院高能所)

MoPos29:Study of Injection Schemes for the SILF Storage Ring

Presenter: 孙 振标(深圳综合粒子设施研究院)

MoPos30:Physical Design of an S-band 0.32+1 cell Cold Cathode RF Gun

Presenter: 和 天慧(中物院十所)

MoPos31:Studies on Beam Injection System for Wuhan Advanced Light Source Storage Ring

Presenter: 邹 野(武汉大学)

MoPos32:Simulation of Efficient Interaction Between Terahertz Pulse and Electron Beam

Presenter: 王 龙鼎(清华大学)

MoPos33:Development of an X-band RF Gun with Four-feed Coupler

Presenter: 胡 方俊(清华大学)

MoPos34:Start to end simulation for a compact THz-FEL

Presenter: 罗 瑞英(华中科技大学)

MoPos35:BEAM DYNAMICS STUDY OF A PHOTO-INJECTOR AT Wuhan Light Source

Presenter: 戴 责已(武汉大学)

MoPos36:A Compact Accelerator Light Source for Industrial Applications

Presenter: Zhang Qinglei (中科院上海高研院)

MoPos37:Generalized Longitudinal Strong Focusing: A Ring-based Beam Manipulation Technique

Presenter:李 梓正(清华大学)

MoPos38:Achromatic Beam Design for a Laser-Driven Proton Therapy Accelerator

Presenter:王 科栋(北京大学)

MoPos39:Low-Alpha Storage Ring Design for Steady-State Microbunching to Generate EUV Radiation

Presenter:潘 志龙(清华大学)

MoPos40: Preliminary study of an injector for STCF

Presenter:陈 曲姗(华中科技大学)

- 4:40 PM→ 6:00 PM TuPos01: Research on Electromagnetic Structure and Transverse Dynamics of RFQ accelerator over 700MHz
Presenter: 莫 为平 (中科院近物所)
- TuPos02: 100mA superconducting linac dynamic design
Presenter: 易 蔓 (中科院近物所)
- TuPos03: A Beam Splitting System for High Power CW Proton Beam
Presenter: 秦 元帅 (中科院近物所)
- TuPos04: Unified rms envelope model and the envelope instability family in high-intensity hadron synchrotrons
Presenter: 苑 尧硕 (中科院高能所东莞研究部)
- TuPos05: Injection and Extraction for the BNCT High Intensity Proton Cyclotron at CIAE
Presenter: 冀 鲁豫 (中国原子能科学研究院)
- TuPos06: Study on XiPAF synchrotron nonlinear dynamics
Presenter: 刘 晓宇 (清华大学)
- TuPos07: The Mebt Design for Ads With Dual Injectors
Presenter: 褚 易梦 (中科院近物所)
- TuPos08: Evaluation of Field Quality for Elliptical and Curved Magnets
Presenter: 李 洁 (北京大学)
- TuPos09: Beam Dynamics and RF Structure Design of 180MHz RFQ for BNCT
Presenter: 任 志强 (四川大学)
- TuPos10: Beam Dynamics Design on 70-250Mev Proton Linac
Presenter: 杨 珂菲 (四川大学)
- TuPos11: Calculation of ion transfer efficiency in the low energy range of HI-13 tandem accelerator
Presenter: 张 旭哲 (中国原子能科学研究院)
- TuPos12: Linear accelerator simulation code AVAS
Presenter: 金 超 (中科院近物所)
- TuPos13: Multipole Field Optimization of X-Band High Gradient Structure
Presenter: 冯 博源 (清华大学)
- TuPos14: Design of a Large Momentum Acceptance Gantry Based on AG-CCT for Lightweight Proton Therapy Facility
Presenter: 廖 益诚 (华中科技大学)
- TuPos15: Research on first harmonic shimming method of cyclotron based on least norm square solution
Presenter: 陆 锦荣 (中国原子能科学研究院)
- TuPos16: High-Fidelity Modeling and Transmission Optimization for the Beamline of HUST-PTF
Presenter: 陈 宇 (华中科技大学)
- TuPos17: Calibration Experiment of Equivalent Area of Induction Coil for magnetic field measurement of superconducting cyclotron
Presenter: 陈 忻禹 (中国原子能科学研究院)
- TuPos18: Design of the Regeneration Extraction System for Superconducting Synchrocyclotron Accelerator
Presenter: 林 鹏太 (四川大学)
- TuPos19: Beam dynamics in superconducting linear proton accelerators
Presenter: 万 鑫淼 (四川大学)

TuPos20:Introduction of the Accelerator-Based Facility for Radiation Protection Research

Presenter: 于 培炎 (中国辐射防护研究院)

TuPos21:The Design of a Proton-Heavy Ion Hybrid Synchrotron Upgraded from XiPAF Proton Ring

Presenter: 姚 红娟 (清华大学)

TuPos22:Observation of Pilot H- Beam in high power proton linac

Presenter: 贾 端阳 (中科院近物所)

TuPos23:Beam Instability and mitigation in CSNS/RCS

Presenter: 黄 良生 (中科院高能所)

TuPos24:Electron cooling for future high-energy hadron accelerators

Presenter: 赵 贺 (中科院近物所)

TuPos25:The influence of transverse distribution of electron beam on the distribution of proton beam in the process of electron cooling

Presenter: 杨 晓东 (中科院近物所)

TuPos26:Design of a Synchrotron for Proton FLASH Radiotherapy Based on Fast Variable-Energy Bunch Splitting

Presenter: 李 岩 (清华大学)

TuPos27:A Discharge Mechanism of a Miniaturized Microwave Ion Source

Presenter: 彭 士香 (北京大学)

TuPos28:Studies of Ion Effects in the Heps Storage Ring

Presenter: 田 赛克 (中科院高能所)

TuPos29:Wakefield studies for the step structure and the skin depth

Presenter: 刘 赫 (中科院上海高研院)

TuPos30:Preliminary study of the fringe field effects and cross talk between magnets in the HEPS storage ring

Presenter: 郭 媛媛 (中科院高能所)

TuPos31:Synchronization of a 2856 MHz deflecting cavity to a 1300MHz accelerator

Presenter: 张 祥 (北京大学)

TuPos32:Physical Research and Engineering Design of SSMB Laser Modulator

Presenter: 杨 洲 (清华大学)

TuPos33:Heating Estimation of Undulator Vacuum Chamber at S3fel

Presenter: Yi Huaqian (深圳综合粒子设施研究院)

TuPos34:Step-by-step fast orbit feedback simulation in synchrotron light source

Presenter: 黄 玺洋 (中科院高能所)

TuPos35:Recent progress of the beam background experiment in the BEPCII

Presenter: 王 斌 (中科院高能所)

TuPos36:Optimisation of RFQ Transmission Efficiency Based on Reinforcement Learning Control Policy

Presenter: 苏 春光 (中科院近物所)

TuPos37:RF Design and Cold Test of SCDTL Structure for Proton Therapy

Presenter: 黎 晓晓 (中科院近物所)

TuPos38:Beam Dynamics Design of a 100 mA RFQ with Low Emittance Growth

Presenter: 龚 凌云 (中科院近物所)