

Session Program

27-31 Oct 2025



CYC2025 - International Conference on Cyclotrons and their Applications (Chengdu)

Tuesday Poster Session

InterContinental Chengdu Global Center
Chengdu, China

Tuesday 28 October

16:30

Tuesday Poster Session: TUP

Poster Session | **Location:** InterContinental Chengdu Global Center, Chengdu, China

Optimizing Magnet of IRANCYC-10 Cyclotron: Matrix Modeling vs. Experimental Shimming

Speaker

Prof. Hossein Afarideh

Extension of COLUMBUS Cyclotron Experiments to Helium Ions

Speaker

Christian Wolf

EXTRACTION AND MAGNET DESIGN OF LB-30TP CYCLOTRON

Speaker

ZHEN SHEN

Design of the 18MeV Injection Line System

Speaker

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Study on the Injection Line for a 30MeV High-Current Cyclotron

Speaker

Mr Tianhao Cui

Half-frequency buncher upgrade for SFC cyclotron

Speaker

Xiaoping Sha

Physics design of a compact cyclotron for isotope production

Speaker

Guohui Wei

Particle Cyclotron Remote Monitoring System

Speaker

慧媛 正

Parameterization of a Cylindrically Symmetric Magnetic Inflector

Speaker

lige zhang

Study and Survey on the Beam Spot Shape Invariance during Gantry Rotation

Speaker

yandong zhu

RF Design, Fabrication, Commissioning, and Testing of a Significant-beam-loading Buncher with Synthesized Fundamental and Third-Harmonic Operation

Speaker

xinyu li

Research on the Preparation Process of Tantalum-Based Electrodeposited Nickel Targets for Accelerator-Based Production of ^{64}Cu

Speaker

Mr Yu Wang

the design of the neutron exit of the neutron source based on the cyclotron by simulation to improve the thermal neutron flux

Speaker

Ye Zhu

Simulation Study of an Inductively Heated Ion Source for Electromagnetic Separators

Speaker

秀 任

Cyclone® IKON : From commissioning to operation

Speaker

Erik van der Kraaij

Beam Dynamics Analysis of the Axial Injection System for the CIM30 Cyclotron

Speaker

Feng Jiang

Design of a set of multi-use field measurement system and its control algorithm for Cyclotron beamline magnets

Speaker

Xinyu Chen

The design of the irradiation terminal for the CYCIAE-230 cyclotron beamline

Speaker

Qiqi Song

Numerical validation of theoretical isochronous cyclotron energy limits

Speaker

Willem Kleeven

Structural Design and Machining Process Research on RF Cavity for Ultra-compact Multi-particle SC Cyclotron

Speaker

zhan liu

Structural Design and Magnetic Field Optimization of a Combined-Function Quadrupole-Sextupole Magnet

Speaker

Jialian Zhang

Thermal Simulation of a High-Power Metallic Beryllium Target for a High-Current Cyclotron Neutron Source

Speaker

JiangLong Xiang

Design and Implementation of a Wire Scanning System for CYCIAE-18 HIGH CURRENT PROTON CYCLOTRON

Speaker
xianping li

Thermal Deformation Simulation for Ironless High-temperature Superconducting Magnet of CYCIAE-100B Cyclotron

Speaker
Mr lingyun xia

Vacuum Design of the RFQ Injector for a Small-Scale High-Intensity Cyclotron

Speaker
cong wu

A Spatio-Temporal and Management-Based Multi-Dimensional Integrated Safety Management System for Cyclotron Operation and Experiments

Speaker
勇 章

Control System Development for Ultra-compact Multi-particle SC Cyclotron

Speaker
dongxu ran

Design and analysis of a compact single-stage cavity combiner for the 20kW solid state amplifier under vacuum

Speaker
zhuoheng liu

Design of Tuning Loop for Cyclotron RF System Based on FPGA with FFT/CORDIC Algorithm

Speaker
Jiayi Zhang

Research and Design of Ionization Chambers for the Spatial Radiation Effects Analysis Experimental Platform and the Huairou (50 MeV) Proton Cyclotron Facility

Speaker
zhengcan zhang

Research on Electric Focusing in Central Region of Ultra Compact Cyclotron

Speaker
Yunlong Chai

Design of the Desktop Hard X-ray Source Measurement and Control System

Speaker
Mr Zhengyu Wei

Conceptual Design of a 70 MeV/u Variable-Energy Superconducting Cyclotron for Multipurpose High-Intensity Applications

Speaker
Wei Fu

R&D of Multichannel Readout Electronics for Compact Ion Chambers of Nozzle for Proton Therapy

Speaker
qingwei han

Development of a Distributed Intelligent Control System for compact Cyclotron**Speaker**

Mr YunLong Li

A Cyclotron-based BNCT-TPS design**Speaker**

Yaozhu Chen

Design of Radiation Safety System for the Huludao Base Cyclotron Accelerator Facility**Speaker**

媚十需

Design and Principle Analysis of Automated Multi-Specification Target Pneumatic Rabbit System for Isotope Production Line**Speaker**

Ms Jiajing Bao

Optimizing Magnetic Flux Distribution in MA-Loaded Cavities through Nested Core Architecture for Scaling FFAG Accelerators**Speaker**

Bin Wu

Development of the Multi-Channel Beam Diagnostics Electronics for Cyclotrons**Speaker**

Peng Huang

Design and fabrication of a large area multi-strip ionization chamber for proton therapy**Speaker**

xiaoqing ren

Preliminary Study of Beam Orbit Correction and Betatron Tune Characterization in CSNS-FFAG Accelerator**Speaker**

Yuwen An

Automated Separation and Purification of ^{68}Ge from Cyclotron-irradiated Ga-Ni Alloy Targets**Speaker**

FEI DUAN

Development of the Multi-Channel Beam Diagnostics Electronics for Cyclotrons**The Feature of Magnetic Field Formation of Multipurpose U400R Cyclotron****Speaker**

Ivan Ivanenko

High Resolution Electronics for Radial Probe of Superconducting Cyclotron for Proton Therapy**Speaker**

fu zheng

Research and Development of a Control System for a Domestically Produced 14MeV Medical Cyclotron

Speaker

源昊 正

Design Study of the Main Magnet for a 100 MeV Spiral-Sector Cyclotron at CIAE

Speaker

JinRong Lu

The Impact of Beam Alignment on Extraction Beam

Speaker

ruijin liu

High-Frequency Air-Core Transformer Design

Speaker

Sepehr Farid

Magnet System Design and Static Analysis of a Superconducting Ring Cyclotron for Thorium Molten-Salt Energy Amplifiers

Speaker

minggao xia

Investigation of Negative Hydrogen Ion Beam Profile in the Karaj C30 Cyclotron Using Mylar Foil

Speaker

Keyvan Tabaei

Design and Test of the Phase Probe for CYCIAE230 superconducting cyclotron

Speaker

Tianyi Jiang

Production of high-intensity titanium ion beams by plasma sputtering

Speaker

Andrei Bondarchenko

18:30