

Program

23-27 Nov 2025

The 7th International Workshop on Future Tau Charm Facilities, 2025 (FTCF2025)

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Sunday 23 November



Monday 24 November

08:30

Plenary: I

Session | **Location:** Yun-hai Hall(云海厅,2F) | **Convener:** Haiping Peng

08:30–08:40 (10m) **Opening speech(10')**

08:40–09:10 (30m) **Overview of STCF project (25'+5')**

Speaker

Yangheng Zheng

09:10–09:40 (30m) **Overview of collider projects at BINP (25'+5')**

Speaker

Ivan Logashenko

09:40–10:10 (30m) **Status of STCF accelerator (25'+5')**

Speaker

Jingyu (靖宇) Tang (唐)

10:10–10:40 (30m) **Break**

10:40

10:40

Plenary: II

Session | **Location:** Yun-hai Hall(云海厅,2F) | **Convener:** Ivan Logashenko

10:40–11:10 (30m) **STCF detector and performance (25'+5')**

Speaker

Jianbei Liu

11:10–11:40 (30m) **Overview of tau physics (25'+5')**

Speaker

Zhiqing Zhang

11:40–12:10 (30m) **Theoretical overview of charm physic (25'+5')**

Speaker

Hai-Yang Cheng

12:10

12:10

Lunch

Break

14:00

14:00

Plenary: III

Session | **Location:** Yun-hai Hall(云海厅,2F) | **Convener:** Jiuqing Wang

14:00–14:30 (30m) **Preliminary design of the BINP CW collider final focus (25'+5')**

Speaker

Alexander Krasnov

14:30–15:00 (30m)

Parameters optimization of e+e- crab waist colliders at low energy (25'+5')

	Speaker Anton Bogomyagkov
	15:00–15:30 (30m) Operational experience with the DAFNE collider:KLOE2 and SIDDHARTA-2 runs (25'+5') Speaker Catia Milardi
	15:30–16:00 (30m) Prospect of hadron spectroscopy at BESIII (25'+5') Speaker Beijiang Liu
	16:00–16:30 (30m) Break
16:30	
16:30	Plenary: IV Session Location: Yun-hai Hall(云海厅,2F) Convener: Youjin Yuan
	16:30–17:00 (30m) Upgrade of LHCb detector (25'+5') Speaker Jianchun Wang
	17:00–17:30 (30m) Solid state detectors and DRD3 activities (25'+5') (remote) Speaker Gregor Kramberger
	17:30–18:00 (30m) BESIII and STCF offline software (25'+5') Speaker Xiaocong Ai
18:00	
18:00	
19:00	Dinner Break

Tuesday 25 November

09:00

Accelerator: I

Session | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Eugene Levichev

09:00–09:25 (25m) **Physical design of STCF collider rings (20'+5')**

Speaker

Ye Zou

09:25–09:50 (25m)

Emittance optimization in CW colliders for Touschek lifetime enhancement(20'+5')

Speaker

Mikhail Skamarokha

09:50–10:15 (25m)

Lattice design and commissioning of BEPCII energy upgrade scheme(20'+5')

Speaker

Huiping Geng

10:15–10:35 (20m) **Break**

10:35

09:00

Detector: I

Session | **Location:** 11 Hall(11号厅,4F) | **Convener:** Jiajun Qin

09:00–09:25 (25m)

MAPS chips with domestic technology for vertex detectors(20'+5')

Speaker

向明 孙

09:25–09:50 (25m)

Status of the STCF MAPS-based inner tracker(20'+5')

Speaker

昊 韩

09:50–10:15 (25m)

Upstream Tracker Upgrade at LHCb(20'+5')

Speaker

Kai LIU

10:15–10:35 (20m) **Break**

10:35

09:00

Physics: I

Session | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Menglin Du

09:00–09:25 (25m) **Lattice QCD efforts for STCF(20'+5')**

Speaker

伟 王

09:25–09:50 (25m)

Doubly heavy tetraquarks from lattice QCD and related stuff(20'+5')

Speaker

Lu Meng

09:50-10:15 (25m)

Understanding the spectrum of charmonium and charmonium-like states(20'+5')**Speaker**

Qian Wang

10:15-10:45 (30m)

Break**Software & Computing: 1****Session** | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Xingtao Huang

09:00-09:25 (25m)

Status of BINP SCT software(20'+5')**Speaker**

Daniil Zhadan

09:25-09:50 (25m)

STCF core software(20'+5')**Speaker**

Teng Li

09:50-10:15 (25m)

AI-based event reconstruction and detector design for Higgs factories (20'+5') (remote)**Speaker**

Taikan Suehara

10:15-10:35 (20m)

Break**Accelerator: I****Session** | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Demin Zhou

10:35-11:00 (25m)

Polarization issues in tau-charm factories(20'+5')**Speaker**

Ivan Koop

11:00-11:25 (25m)

Nonlinear optimization for the STCF(20'+5')**Speaker**

涛刘

11:25-11:50 (25m)

Error effect analysis and correction for STCF collider rings(20'+5')**Speaker**

Penghui Yang

Detector: I**Session** | **Location:** 11 Hall(11号厅,4F) | **Convener:** Mingyi Dong

10:35-10:55 (20m)

Performance of the STCF MPGD-based inner tracker prototype in magnetic field(15'+5')

	Speaker Zhujun Fang
	10:55–11:20 (25m) Status of drift chambers development at BINP(20'+5') Speaker Dmitrii Kyshtymov
	11:20–11:40 (20m) Simulation of SCTF drift chamber(15'+5') Speaker Vechaslav Ivanov
	11:40–12:05 (25m) STCF main drift chamber R&D progress(20'+5') Speaker yu hua
12:05	
10:35	Software & Computing: I Session Location: Xin-anjiang(新安江厅,4F)
	10:35–11:00 (25m) BESIII MDC calibration and CGEM alignment(20'+5') Speaker Linghui Wu
	11:00–11:25 (25m) STCF MDC full reconstruction(20'+5') Speaker 泓琨 莫
	11:25–11:50 (25m) STCF T0 reconstruction(20'+5') Speaker 振卓 梁
12:00	
10:45	Physics: I Session Location: Yun-song Hall(云松厅,2F) Convener: Qian Wang
	10:45–11:10 (25m) EFT approaches to charmonia(20'+5') Speaker Menglin Du
	11:10–11:35 (25m) Tau to omega pi nu_tau decays(20'+5') Speaker Xin-qiang Li
	11:35–12:00 (25m) Progress in the Study of D⁰/D⁺ Decays at STCF(20'+5') Speaker 佳元 粟
12:00	
12:05	
14:00	Lunch Break

14:00

Accelerator: II**Session** | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Jingyu (靖宇) Tang (唐)

14:00–14:25 (25m)

Interaction region design for STCF(20'+5')**Speaker**

Linhao Zhang

14:25–14:50 (25m)

Development of the Canted Cosine Theta magnets for the CW final focus(20'+5')**Speaker**

Nikolay Meznetshev

14:50–15:15 (25m)

Design of the FCCee IR, prototyping ad MDI(20'+5') (remote)**Speaker**

Manuela Boscolo

15:15–15:40 (25m)

Monochromatization Scheme for FCC-ee Collider(20'+5') (remote)**Speaker**

Angeles Faus-Golfe

15:40–16:00 (20m)

Break

16:00

14:00

Detector: II**Session** | **Location:** 11 Hall(11号厅,4F) | **Convener:** Yuriy Tikhonov

14:00–14:25 (25m)

CEPC drift chamber(20'+5')**Speaker**

Mingyi Dong

14:25–14:50 (25m)

Progress on the Drift Chamber R&D for the IDEA detector concept at FCC-ee(20'+5') (remote)**Speaker**

Margherita Primavera

14:50–15:15 (25m)

Operation of the Belle II central drift chamber(20'+5') (remote)**Speaker**

Carsten Niebuhr

15:15–15:40 (25m)

PICMIC detector concept(20'+5')**Speaker**

亮 张

15:40–16:00 (20m)

Break

16:00

14:00

Physics: II**Session** | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Lu Meng

14:00–14:25 (25m)

Charm Baryon CPV(theory)(20'+5')

Speaker
Fanrong Xu

14:25–14:50 (25m) **D meson inclusive decays(20'+5')**

Speaker
Kang-Kang Shao

14:50–15:15 (25m)

High-statistics amplitude analyses of charmonium decays(20'+5')

Speaker
Kirill Chilikin

15:15–15:40 (25m)

Charm quark mass with calibrated uncertainty and its impact on the muon $g-2(20'+5')$ (remote)

Speaker
Pere Masjuan

15:40–16:10 (30m) **Break**

Software & Computing: II

Session | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Xiaocong Ai

14:00–14:25 (25m) **COMET Drift Chamber Tracking(20'+5')**

Speaker
Yao Zhang

14:25–14:50 (25m) **BESIII/STCF MDC GNN tracking(20'+5')**

Speaker
Xiaoshuai Qin

14:50–15:15 (25m) **STCF Hough tracking and fitting(20'+5')**

Speaker
Jin Zhang

15:15–15:40 (25m) **ACTS tracking for STCF (remote) (20'+5')**

Speaker
hao li

15:40–16:00 (20m) **Break**

Accelerator: II

Session | **Location:** Huang-shan Hall(黄山厅,4F)

16:00–16:25 (25m)

DAFNE as possible test facility for Future Circular Colliders(20'+5') (remote)

Speaker
Antonio De Santis

16:25–16:50 (25m) **Progress of STCF IR Superconducting Magnets(20'+5')**

Speaker

Wenbin(文彬) Ma(马)

16:50–17:15 (25m)

Superconducting Quadrupoles for BEPCII energy upgrade(20'+5')**Speaker**

Yingshun Zhu

Detector: II**Session** | **Location:** 11 Hall(11号厅,4F) | **Convener:** 坤 胡

16:00–16:25 (25m)

SEE in CMS HCCROC/HGCAL (20'+5')(remote)**Speaker**

Sébastien Extier

16:25–16:50 (25m)

On-the-Fly SEU Correction in FPGAs of the Aerogel RICH at Belle II(20'+5')**Speaker**

Raffaele Giordano

16:50–17:15 (25m)

ALTIROC, LGAD readout ASIC for ATLAS HGTD (20'+5') (remote)**Speaker**

Nathalie Seguin-Moreau

17:15–17:40 (25m)

Research Progress on the DTOF-based Particle Identification at STCF(20'+5') (remote)**Speaker**

雪森 林

17:40–18:05 (25m)

The first results on R&D for square position-sensitive MCP PMT produced in Russia(20'+5')**Speaker**

Vladimir Rusetsky

Software & Computing: II**Session** | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Jin Zhang

16:00–16:25 (25m)

Vertex Fitting at BESIII(20'+5')**Speaker**

宇鹏 裴

16:25–16:50 (25m)

STCF global vertex fit(20'+5')**Speaker**

明玉 于

16:50–17:15 (25m)

KF-based alignment in ACTS(20'+5')**Speaker**

Xiaocong Ai

17:15–17:40 (25m)

STCF MUD simulation, digitization and reconstruction(20'+5')

17:40

16:10

17:50

18:05

20:05

Speaker Yulin Liu	
Physics: II Session Location: Yun-song Hall(云松厅,2F) Convener: Zhi-Hui Guo	
16:10-16:35 (25m)	Precision study of eta/eta' decays (theory) (20'+5')(remote) Speaker Bastian Kubis
16:35-17:00 (25m)	Precision study of eta/eta' decays (experiment)(20'+5') Speaker Xiaolin Kang
17:00-17:25 (25m)	Inputs for muon g-2 from the tau lepton (20'+5')(remote) Speaker Pere Masjuan
17:25-17:50 (25m)	Quantum entanglement of tau pair and tau reconstruction at STCF(20'+5') Speaker Xiaokang Li
Banquet Break	

Wednesday 26 November

09:00

Accelerator: III

Session | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Catia Milardi

09:00–09:25 (25m) **Beam-beam effects at STCF(20'+5')**

Speaker

Demin Zhou

09:25–09:50 (25m) **Collective effects at STCF(20'+5')**

Speaker

TianLong He

09:50–10:15 (25m) **Progress on beam instrumentation for STCF(20'+5')**

Speaker

Qing (箒) Luo (罗)

10:15–10:35 (20m) **Break**

10:35

09:00

Detector: III

Session | **Location:** 11 Hall(11号厅,4F) | **Convener:** 雷赵

09:00–09:20 (20m) **R&D on ASHIPH system for the STCF(15'+5')**

Speaker

Kirill Petrukhin

09:20–09:40 (20m) **Prospects of aerogel R&Ds at the BINP(15'+5')**

Speaker

Alexander Barnyakov

09:40–10:00 (20m) **Progress of the STCF ECAL(15'+5')**

Speaker

俊豪 王

10:00–10:20 (20m) **R&D status of Csl calorimeter +APD (remote) (15'+5')**

Speaker

Denis Epifanov

10:20–10:40 (20m)

Radiation aging test of materials with beam of the fast neutrons at BINP(15'+5')

Speaker

Viktor Bobrovnikov

10:40–11:00 (20m) **Break**

11:00

09:00

Physics: III**Session** | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Ling-Yun Dai

09:00–09:25 (25m)

Recent progress on parton fragmentation functions(20'+5')**Speaker**

Hongxi Xing

09:25–09:50 (25m)

Generalised distribution amplitudes and gravitational form factors of hadrons(20'+5')**Speaker**

Qintao SONG

09:50–10:15 (25m)

Measurement of the $e^+e^- \rightarrow p \bar{p}$ cross section near the production threshold with a high energy resolution(20'+5')**Speaker**

Alexander Bobrov

10:15–10:45 (30m)

Break

10:45

09:00

Software & Computing: III**Session** | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Cong Geng

09:00–09:25 (25m)

STCF RICH simulation, digitization and reconstruction(20'+5')**Speaker**

清源 黄

09:25–09:50 (25m)

STCF BTOF simulation, digitization and reconstruction(20'+5')**Speaker**

Teng Ma

09:50–10:15 (25m)

STCF EMC simulation, digitization and reconstruction(20'+5')**Speaker**

博王

10:15–10:35 (20m)

Break

10:35

10:35

Accelerator: III**Session** | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Anton Bogomyagkov

10:35–11:00 (25m)

Investigation on Impedance & Beam instability and the damping from bunch by bunch feedback system at BEPCII(20'+5')**Speaker**

瑜冬 刘

11:00–11:25 (25m)

Beam background study of BEPCII, simulation and experiment(20'+5')**Speaker**

BIN WANG

11:50

11:25-11:50 (25m)

Progress in the Design of the 500 MHz Dual-Feed Normal Conducting Cavity for STCF(20'+5')**Speaker**

li sun

10:35

Software & Computing: III**Session** | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Binbin Qi

10:35-11:00 (25m)

AI enhancing Reconstruction and Analysis for CEPC(20'+5')**Speaker**

Manqi RUAN

11:00-11:25 (25m)

Machine Learning Advances in ATLAS(20'+5') (remote)**Speaker**

Bingxuan Liu

11:25

10:45

Physics: III**Session** | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Hongxi Xing

10:45-11:10 (25m)

A Recent Study on Hadronic Contributions to Muon $g-2$ (20'+5')**Speaker**

Ling-Yun Dai

11:10-11:35 (25m)

Dark photon search status in tau charm energy region(20'+5')**Speaker**

Zhijun Li

11:35-12:00 (25m)

Searching for apparent baryon number violation in Λ_c (20'+5')**Speaker**

Zeren Simon (泽人) Wang (王)

12:00

11:00

Detector: III**Session** | **Location:** 11 Hall(11号厅,4F) | **Convener:** Timofey Uglov

11:00-11:20 (20m)

The R&D Progress in STCF Trigger System(15'+5')**Speaker**

Yining Bao

11:20-11:40 (20m)

Status and Outlook of the Clock and Data Transmission System R&D for STCF(15'+5')**Speaker**

Jinhong Wang

11:40-12:00 (20m)

Forward Detectors Design at STCF(15'+5')**Speakers**

晨涛 鲍, 晨涛 鲍

12:00-12:20 (20m)

The Zero Degree Calorimeter (ZDC) at BESIII(15'+5')

12:20	Speaker Lei (雷) Zhang (张)
12:20	Lunch
14:00	Break
14:00	Free
18:00	Break
18:00	Dinner
19:00	Break

Thursday 27 November

09:00

Accelerator: IV

Session | **Location:** Huang-shan Hall(黄山厅,4F) | **Convener:** Qing (箐) Luo (罗)

09:00–09:25 (25m) **Injector Design of STCF(20'+5')**

Speaker

端谷

09:25–09:50 (25m) **Recent Advances in the STCF Positron Source(20'+5')**

Speaker

Xin X

09:50–10:15 (25m)

Conceptual design for the combined damping and accumulator rings for positrons at STCF(20'+5')

Speaker

Xiaoyu Liu

10:15–12:05 (1h 50m) **Break**

12:05

09:00

Detector: IV

Session | **Location:** 11 Hall(11号厅,4F) | **Convener:** Alexander Barnyakov

09:00–09:25 (25m) **Dual-readout crystal calorimeter for the IDEA detecto(20'+5')**

Speaker

Stefano Moneta

09:25–09:50 (25m)

KOTO 4D calorimeter: Toward the search the $K_L \rightarrow \pi^0 \nu \bar{\nu}$ (20'+5') (remote)

Speaker

Katsushige Kotera

09:50–10:15 (25m)

The Developments of a Radiation-hard ECAL with Picosecond Time Resolution for LHCb Upgrade(20'+5')

Speaker

Jike Wang

10:15–10:35 (20m) **Break**

10:35

09:00

Physics: IV

Session | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Zhiqing Zhang

09:00–09:25 (25m) **CPV in Tau (20'+5')(remote)**

Speaker

Danie Lopez Aguilar

09:25–09:50 (25m)

Experimentally Accessible but Imaginary Tau Electric Dipole Moment(20'+5')**Speaker**

佳韦 刘

09:50–10:15 (25m)

Two-meson and meson-axion production from tau lepton(20'+5')**Speaker**

Zhi-Hui Guo

10:15–10:45 (30m)

Break

10:45

09:00

Software & Computing: IV**Session** | **Location:** Xin-anjiang(新安江厅,4F) | **Convener:** Manqi RUAN

09:00–09:25 (25m)

STCF Combined likelihood for global PID(20'+5')**Speaker**

Binbin Qi

09:25–09:50 (25m)

FARICH-based PID using ML(20'+5')**Speaker**

Platon Rogozhin

09:50–10:15 (25m)

CNN for PID systems in STCF(20'+5')**Speaker**

Wanlin Lin

10:15–10:35 (20m)

Break

10:35

10:35

Detector: IV**Session** | **Location:** 11 Hall(11号厅,4F) | **Convener:** 小龙王

10:35–11:00 (25m)

STCF MUON Detector R&D Progress(20'+5')**Speaker**

Yongjie Sun

11:00–11:25 (25m)

The experience of construction, production and exploiting of the Belle II muon system(20'+5')**Speaker**

Timofey Uglov

11:25–11:45 (20m)

BelleII KLM upgrade(15'+5')**Speaker**

Shiming Zou

11:45–12:05 (20m)

Progress of the STCF detector magnet (remote) (15'+5')**Speaker**

小涛 张

12:05

10:35

Software & Computing: IV**Session** | **Location:** Xin-anjiang(新安江厅,4F)**10:35-11:00 (25m)** **ML-based fast simulation of FARICH responses(20'+5')****Speaker**

Foma Shipilov

11:00-11:25 (25m) **BES EMC Fast simulation(20'+5')****Speaker**

Tong Liu

11:25-11:50 (25m) **STCF RDataFrame analysis(20'+5')****Speaker**

莹 杨

11:50

10:45

Physics: IV**Session** | **Location:** Yun-song Hall(云松厅,2F) | **Convener:** Pavel Pakhlov**10:45-11:10 (25m)** **Study of di-charmonium and Jpsi-p-pbar at STCF(20'+5')****Speaker**

Zikang Chen

11:10-11:35 (25m)**Search for invisible decays of eta/eta'/omega/phi via jpsi decays at STCF(20'+5')****Speaker**

智博 陶

11:35-12:00 (25m) **Study of hyperon CPV and EDM at STCF(20'+5')****Speaker**

明玉 于

12:00

12:05

Lunch**Break**

14:00

14:00

Plenary: V**Session** | **Location:** Yun-hai Hall(云海厅,2F) | **Convener:** Shuangshi Fang**14:00-14:30 (30m)** **Status and challenges on the SuperKEKB ring (25'+5') (remote)****Speaker**

Yukiyoshi Onishi

14:30-15:00 (30m) **Synergy between LHCb and STCF programs (25'+5')****Speaker**

wenbin qian

15:00-15:30 (30m) **Overview on Belle II upgrade (25'+5')****Speaker**

Yubo Han

15:30-16:00 (30m) **Overview of charm physics at Belle II (25'+5')**

	Speaker Murad Yasaveev
16:30	16:00–16:30 (30m) Break
16:30	Plenary: VI Session Location: Yun-hai Hall(云海厅,2F) Convener: Xingtao Huang
	16:30–17:00 (30m) Overview of the offline computing for the SPD experiment (25'+5') Speaker Artem Petrosyan
	17:00–17:30 (30m) Quantum computing and machine learning application for HEP community (25'+5') Speaker Tianji Cai
17:40	17:30–17:40 (10m) Close Speech(10')
17:40	
19:00	Dinner Break