

Session Program

23-27 Nov 2025

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

Software & Computing

Tuesday 25 November

09:00

Software & Computing: 1

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

09:00–09:25 **Status of BINP SCT software(20'+5')**

Speaker

Daniil Zhadan

09:25–09:50 **STCF core software(20'+5')**

Speaker

Teng Li

09:50–10:15

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

Speaker

Taikan Suehara

10:15–10:35 **Break**

10:35

10:35

Software & Computing: I

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

10:35–11:00 **BESIII MDC calibration and CGEM alignment(20'+5')**

Speaker

Linghui Wu

11:00–11:25 **STCF MDC full reconstruction(20'+5')**

Speaker

泓琨 莫

11:25–11:50 **STCF T0 reconstruction(20'+5')**

Speaker

振卓 梁

12:00

14:00

Software & Computing: II

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

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

Speaker

Yao Zhang

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

Speaker

Xiaoshuai Qin

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

16:00	Speaker Jin Zhang
	15:15-15:40 ACTS tracking for STCF (remote) (20'+5') Speaker hao li
	15:40-16:00 Break
16:00	Software & Computing: II Session Location: Xin-anjiang(新安江厅,4F) Convener: Jin Zhang
	16:00-16:25 Vertex Fitting at BESIII(20'+5') Speaker 宇鹏 裴
	16:25-16:50 STCF global vertex fit(20'+5') Speaker 明玉 于
	16:50-17:15 KF-based alignment in ACTS(20'+5') Speaker Xiaocong Ai
17:40	17:15-17:40 STCF MUD simulation, digitization and reconstruction(20'+5') Speaker Yulin Liu

Wednesday 26 November

09:00

Software & Computing: III

Session | Location: Xin-anjiang(新安江厅,4F) | Convener: Cong Geng

09:00-09:25 STCF RICH simulation, digitization and reconstruction(20'+5')

Speaker
清源 黄

09:25-09:50 STCF BTOF simulation, digitization and reconstruction(20'+5')

Speaker
Teng Ma

09:50-10:15 STCF EMC simulation, digitization and reconstruction(20'+5')

Speaker
博 王

10:15-10:35 Break

10:35

10:35

Software & Computing: III

Session | Location: Xin-anjiang(新安江厅,4F) | Convener: Binbin Qi

10:35-11:00 AI enhancing Reconstruction and Analysis for CEPC(20'+5')

Speaker
Manqi RUAN

11:00-11:25 Machine Learning Advances in ATLAS(20'+5') (remote)

Speaker
Bingxuan Liu

11:25

Thursday 27 November

09:00

Software & Computing: IV

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

09:00–09:25 **STCF Combined likelihood for global PID(20'+5')**

Speaker

Binbin Qi

09:25–09:50 **FARICH-based PID using ML(20'+5')**

Speaker

Platon Rogozhin

09:50–10:15 **CNN for PID systems in STCF(20'+5')**

Speaker

Wanlin Lin

10:15–10:35 **Break**

10:35

10:35

Software & Computing: IV

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

10:35–11:00 **ML-based fast simulation of FARICH responses(20'+5')**

Speaker

Foma Shipilov

11:00–11:25 **BES EMC Fast simulation(20'+5')**

Speaker

Tong Liu

11:25–11:50 **STCF RDataFrame analysis(20'+5')**

Speaker

莹 杨

11:50