



The 6th TRIDENT Collaboration Meeting Agenda

1. Meeting Theme:

The TRIDENT Winter Collaboration Meeting of 2025

2. Date and Time:

Nov 20 to Nov 22, 2025

3. Location:

Meeting Room N102, TDLI

1 Lisuo Road, Pudong New Area, Shanghai 201210, China

4. Participants:

All members of TRIDENT (including students at all levels)

5. Background:

The TRIDENT Winter Collaboration Meeting of 2025 will be held at TDLI from Nov 20 to Nov 22, 2025. The meeting will cover four topics: **Neutrino physics& astronomy, Ocean engineering, Electronics& DAQ and Detector simulation& reconstruction**. All members of TRIDENT collaboration(including students at all levels) are cordially invited to attend and present their works at the meeting to facilitate thorough exchanges at the various development fronts!

6. Agenda Items:

Nov 20

Convener: Hualin Mei & Xin Xiang

Time	Speaker	Title
08:00 - 09:00	Registration	
09:00 - 09:30	Donglian Xu	Welcome & Project Overview
09:30 - 10:00	Xiaoxian Guo	Recent progress on the development of Trident SPIDER
10:00 - 10:30	Xiantao Zhang	Recent progress on floating power buoy design
10:30 - 11:00	Coffee break	
11:00 - 11:30	Xinliang Tian	A web-based construction method of deepsea neutrino telescope
11:30 - 12:00	Fei Liu	Aging research on vertical dynamic cable



12:00 - 13:20	Lunch (Ground-floor canteen, TDLI)	
13:20 - 13:30	Group Photo	
13:30 - 14:00	Hualin Mei	Single string overview
14:00 - 14:20	Guanghua Gong	Status on TRIDENT timing system
14:20 - 14:50	Peng Wan	Status on data acquisition software
14:50 - 15:10	Coffee break	
15:10 - 15:25	Yiwei Zhu	Data Monitor Status
15:25 - 15:40	Peilian Wu	Single string joint test
15:40 - 16:00	Hengbin Shao	PMT test progress
16:00 - 16:20	Wei Zhi	Progress on PMT base with HV boosting
16:20 - 16:30	Wei Zhi	Progress on SiPM readout electronics
16:30 - 16:50	Mingxin Wang	A 16-Channel Fast-timing ASIC for Large-area SiPM Arrays Readout in the TRIDENT Experiment
16:50-17:05	Yanxiao Yang	Development Progress of the Ultrasonic Localization Interface Module
18:00 - 20:00	Banquet (Xinghui Restaurant: 2F, Luyue Tiandi, No. 1660 Zhongke Road, Pudong New Area, Shanghai) BUS 沪 GJ3083	

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Link: <https://meeting.tencent.com/dm/5rulfLGVlifX>

Nov 21

Convener: Iwan Morton-Blake & Tailin Zhu

Time	Speaker	Title
9:00 - 9:30	Waraporn Nuntiyakul (Fhon)	Tracing solar modulation thorough Ice Cherenkov Observations and Yield Function Analysis
9:30 - 10:00	Achara Seripienlert (kim)	Modeling Cosmic Rays from the Atmosphere to Interplanetary Space
10:00 - 10:20	Coffee break	
10:20 - 10:50	Iwan Morton-Blake	TRIDENT Simulation Overview
10:50 - 11:20	Ruike Cao	Detecting the Next Galactic Core-Collapse Supernova with TRIDENT
11:20 - 11:50	Yingwei Wang	Projected DM detection sensitivity
11:50 - 12:10	Wenlun Huang	Recent development related to Corsika8
12:10 - 13:30	Lunch (Ground-floor canteen, TDLI)	
13:30 - 14:00	Fuyudi Zhang	TREX2024 mDOM Analysis
14:00 - 14:30	Haoyan Zhang	TREX2024 Camera Analysis
14:30 - 14:50	Jingtao Huang	Energy Reconstruction



14:50 - 15:10	Coffee break	
15:10 - 15:30	Yaoqi Cao	ReconstructionTrack–Cascade Event Classification Method Based on Time Information
15:30 - 15:50	Tin Qi Jie	Cascade reconstruction in phase 1
15:50 - 16:10	Hengbin Shao	4 inch PMT DOM sim
16:10 - 16:30	Shasha Liu	DOM Radioactivity Measurement and Sim
16:30 - 16:50	Jiexi Liu	Gel Pad R&D
16:50 - 17:05	Haojie Hu	Decoding Ocean Life through Light Spectra

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Nov 22

Convener: Xiang Xin

Time	Speaker	Title
9:00 - 9:10	Handi Wei	Acoustic Positioning System Overview
9:10 - 9:20	Junhong Liu	APS simulation
9:20 - 9:30	Jiahao Luo	Recent Progress in the Electronics of the Acoustic Positioning System
9:30 - 9:40	Zhaozhi Zhang	Method for Acoustic Ray Correction in Underwater Positioning of Deep-Sea Neutrino Telescopes
9:40 - 10:00	Coffee break	
10:00 - 11:00	Tailin Zhu, Zhaozhi Zhang, Haoyan Zhang, Yonghui Gao, Jingguang Cheng	C-string prelim design review
11:00 - 12:00	Experts & all	Review Q&A

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Link: <https://meeting.tencent.com/dm/UXlsgxuAq4T>



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8. Notes:

Please be punctual for all activities.

Keep your phone on silent or off during the meeting.

Contact the meeting organizer for any special requests or issues.