



# Joint workshop of TYL/FJPPN and FKPPN 2026

## Monday, 18 May 2026

### Collaboration projects: Plenary I (11:10 - 12:30)

-Conveners: Emi Kou

time	[id] title	presenter
11:10	[11] [FJPPN HEP_16] 2-fermion production at Higgs Factories	POESCHL, Roman
11:30	[31] [FJPPN D_RD_42] Development of highly-granular silicon-tungsten calorimeter for circular and linear Higgs factories	SUEHARA, Taikan
11:50	[41] [FJPPN A_RD_33] Lumi opt - FLC: ATF2 experiments	OKUGI, Toshiyuki
12:10	[24] [FJPPN D_RD_34] Field emitter array In XENon Detector	GAIOR, Romain

### Collaboration projects: Parallel Ia (14:00 - 15:40)

-Conveners: Mathieu Omet

time	[id] title	presenter
14:00	[12] [FJPPN HEP_18, remote] Beyond the SM physics probed with Higgs boson pair production in the ATLAS experiment	MASUBUCHI, Tatsuya
14:20	[14] [FJPPN HAD_07, remote] Quarkyonic Matter in and out of equilibrium	FUJIMOTO, Yuki
14:40	[33] [FJPPN A_RD_23, remote] Correlation between vibrations, luminosity and beam position measurements at SuperKEKB	BRUNETTI, Laurent
15:00	[40] [FJPPN A_RD_32, remote] Beyond the-state-of-the-art SRF cavities with advanced surface preparation	MIYAZAKI, Akira
15:20	[17] [FJPPN COS_01, remote] Interfacing the instrument and data analysis pipeline developments for the observation of primordial CMB B modes with LiteBIRD	LELOUP, Clément

### Collaboration projects: Parallel Ib (14:00 - 15:40)

-Conveners: Guillaumue Batigne

time	[id] title	presenter
14:00	[46] [FKPPN BEAM, remote] Beam simulations	CHO, Kihyeon
14:25	[49] [FKPPN FAZIA, remote] French-Korean Collaboration for FAZIA experiment	HONG, Byungsik
14:50	[48] [FKPPN DRDCALOEAL]	POESCHL, Roman
15:15	[54] [FKPPN SPARADA] SPACe RADIATION DAMage	CHOI, Ji Won

### Collaboration projects: Plenary II (16:50 - 17:50)

-Conveners: Junji Haba

time	[id] title	presenter
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16:50	[39] [FJPPN A_RD_29, remote] R&D toward next generation Energy Recovery Linacs	FOMIN, Oleksiy
17:10	[29] [FJPPN D_RD_40] Design and characterization of very finely segmented pixelated AC-LGAD sensors and readout electronics	NAKAMURA, Koji
17:30	[18] [FJPPN D_RD_27] Study of modern FPGA device and associated new technology, and search for possible application in High Energy experiments	LAI, Yun-Tsung

## Tuesday, 19 May 2026

### Collaboration projects: Parallel IIa (09:00 - 10:40)

-Conveners: Jerome Baudot

time	[id] title	presenter
09:00	[13] [FJPPN FLAV_06] Precise Measurements and Searches for Forbidden Decays of B mesons and tau lepton	ISHIKAWA, Akimasa
09:20	[19] [FJPPN D_RD_28] Toward the design of the TPC at future colliders	GANJOUR, Serguei
09:40	[20] [FJPPN D_RD_29] Bootstrapping mAbs development in a SHared Investigation (BASHI)	TOGAWA, Manabu
10:00	[22] [FJPPN D_RD_32] Future SuperKEKB IR design upgrade Challenge for higher luminosity	TANAKA, Shuji
10:20	[28] [FJPPN D_RD_39] New generation of MAPS-based telescope with the sensors planned for the Belle II upgrade	BAUDOT, Jerome

### Collaboration projects: Parallel IIb (09:25 - 10:40)

-Conveners: Youngman Kim

time	[id] title	presenter
09:25	[52] [FKPPN HotDISCO, remote] 2025-2026 activity report of the HotDISCO project	ROTHKOPF, Alexander
09:50	[55] [FKPPN THW-BSM, remote] The Top quark and the Higgs boson as Windows	LEE, Seung J.
10:15	[56] [FKPPN VUD-NUCL, remote] Nuclear structure corrections for low-energy precision tests of the Standard Model via nuclear beta decays	XAYAVONG, Latsamy

### Collaboration projects: Parallel IIIa (11:10 - 12:30)

-Conveners: Megumi Naruki

time	[id] title	presenter
11:10	[21] [FJPPN D_RD_30] RPC assembling facility in J-PARC	TOMIDA, Natsuki
11:30	[23] [FJPPN D_RD_33] AC-LGAD Detector with Continuous Readout for 4-Dimensional High-Resolution Measurement at EIC ePIC	SHIGAKI, Kenta
11:50	[27] [FJPPN D_RD_38] Next-Generation MAPS Sensors for ALICE 3 Outer Tracker	YAMAGUCHI, Yorito
12:10	[25] [FJPPN D_RD_36] Commissioning and further development of cryogenic readout electronics for LAr-TPC applications	HOSOKAWA, Ritsuya

### Collaboration projects: Parallel IIIb (11:10 - 12:25)

-Conveners: Francois Le Diberder

time	[id] title	presenter
11:10	[45] [FKPPN ALICE-HF]	GUERNANE, Rachid
11:35	[53] [FKPPN RPCGAP, remote] RPC gap production facility for CMS and beyond	KIM, Tae Jeong

12:00	[50] [FKPPN FNEPS, remote] Recent (interesting) alternatives to FIMP/WIMP scenarios	MAMBRINI, Yann
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**Collaboration projects: Plenary III (14:40 - 15:40)**

-Conveners: Naohito Saito

time	[id] title	presenter
14:40	[16] [FJPPN NU_10] Neutrino cross section measurements with the current and upgraded T2K near detectors	OKINAGA, Wataru
15:00	[15] [FJPPN NU_09] Characterization of the upgraded J-PARC neutrino beam for T2K-II and HK experiments	GAIOR, Romain
15:20	[30] [FJPPN D_RD_41] R&D towards ND280++ a new Near Detector for the Hyper-K precision phase era	KIKAWA, Tatsuya

## Wednesday, 20 May 2026

### Collaboration projects: Parallel IVa (09:00 - 10:40)

-Conveners: Kensei Umemori

time	[id] title	presenter
09:00	[26] [FJPPN D_RD_37] Evaluation of Temporal Resolution in Monolithic Pixel Sensors Using Time-Structured X-rays at a Synchrotron Facility	ORSINI, Fabienne
09:20	[35] [FJPPN A_RD_25] Continued effort towards ultimate performance for accelerator cavities	FUWA, Yasuhiro
09:40	[36] [FJPPN A_RD_26] Investigation of an alternative path for SRF cavity fabrication and surface processing	DOHMAE, Takeshi
10:00	[37] [FJPPN A_RD_27] Robotisation of clean room assembly	ARAKI, Hayato
10:20	[38] [FJPPN A_RD_28] Diagnostics and bunker design for a high-performance cryomodule test facility at KEK	OMET, Mathieu

### Collaboration projects: Parallel IVb (09:00 - 10:45)

-Conveners: Roman Poeschl

time	[id] title	presenter
09:00	[42] [FJPPN COMP_05] R&D for the exascale computing environment	GADRAT, Sebastien
09:20	[61] [FJPPN contrib] ssbar production in future linear colliders	MÁRQUEZ HERNÁNDEZ, Jesús Pedro
09:40	[62] [FJPPN contrib] CNN-Based Hadron Energy Regression for the ILD SiW-ECAL and AHCAL System	XIA, Xin
10:00	[65] [FJPPN contrib] Upgrade of the reconstruction algorithms from Super-K towards Hyper-K	LE BLÉVEC, Erwan
10:20	[44] [FKPPN ABI-SMNS]	KIM, Youngman

### Collaboration projects: Plenary IV (11:10 - 12:10)

-Conveners: Emi Kou

time	[id] title	presenter
11:10	[43] [FJPPN APP_01] Investigation of oxygen effects induced by carbon ion irradiation via Geant4-DNA simulations	OKADA, Shogo
11:30	[32] [FJPPN A_RD_22] Modeling and start-to-end simulation of positron sources for future colliders	ENOMOTO, Yoshinori
11:50	[34] [FJPPN A_RD_24] Study of Laser - Beam arrival time synchronization towards sub-ps level	BACK, Antoine