

Publication List

• Journal article

- Y.-T. Lai *et al.* (Belle collaboration), “Search for $B^0 \rightarrow p\bar{\Lambda}\pi^-\gamma$ at Belle,”
Phys. Rev. D **89**, 051103(R) (2014) <https://doi.org/10.1103/PhysRevD.89.051103>
- Y.-T. Lai *et al.* (Belle collaboration), “Search for D^0 decays to invisible final states at Belle,”
Phys. Rev. D **95**, 011102(R) (2017) <https://doi.org/10.1103/PhysRevD.95.011102>
- Y.-T. Lai *et al.* (Belle collaboration), “Measurement of branching fraction and final-state asymmetry for the $\bar{B}^0 \rightarrow K_S^0 K^\mp \pi^\pm$ decay,”
Phys. Rev. D **100**, 011101(R) (2019) <https://doi.org/10.1103/PhysRevD.100.011101>
- Y.-T. Lai *et al.*, “Commissioning and Operation of the Upgraded Belle II DAQ System with PCI-Express-Based High-Speed Readout,”
IEEE Trans. Nucl. Sci., 10.1109/TNS.2022.3228288
- Y.-Y. Chang *et al.* (Belle collaboration), “Observation of $B^0 \rightarrow p\bar{\Lambda}D^{(*)-}$,”
Phys. Rev. Lett. **115**, 221803 (2015) <https://doi.org/10.1103/PhysRevLett.115.221803>
- J.-B. Kim *et al.* (Belle collaboration), “Search for CP violation with kinematic asymmetries in the $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay,”
Phys. Rev. D **99**, 011104(R) (2019) <https://doi.org/10.1103/PhysRevD.99.011104>
- R. Giordano *et al.*, “Frame-level Intermodular Configuration Scrubbing of On-detector FPGAs for the ARICH at Belle II,”
IEEE Trans. Nucl. Sci., **68**, 2810 (2021) 10.1109/TNS.2021.3127446
- M. Nakao *et al.*, “Performance of the Unified Readout System of Belle II,”
IEEE Trans. Nucl. Sci., **68**, 1826 (2021) 10.1109/TNS.2021.3084826
- Q.-D. Zhou *et al.*, “PCI-Express Based High-Speed Readout for the Belle II DAQ Upgrade,”
IEEE Trans. Nucl. Sci., **68**, 1818 (2021) 10.1109/TNS.2021.3086526
- C.-H. Kim *et al.*, “Trigger slow control system of the Belle II experiment,”
Nucl. Instrum. Methods Phys. Res., Sect. A, **1014**, 165748 (2021) 10.1016/j.nima.2021.165748

• Award

- Belle II Achievement award 2022: Development and Improvement of the Trigger-DAQ system, and the ARICH DAQ.

• Conference report

- (Oral) 計測システム研究会 2022: Commissioning and operation of the upgraded Belle II DAQ system with PCI-express-based high-speed readout Nov. 2022
- (Oral) IEEE Real-Time 2022: Commissioning and operation of the upgraded Belle II DAQ system with PCI-express-based high-speed readout Aug. 2022

- (Oral) CKM 2021: Charmless B decay measurements at Belle Nov. 2021
- (Mini-oral) IEEE NSS/MIC 2021: Firmware development of the PCI-express-based high-speed readout board in the upgrade of the Belle II DAQ system Oct. 2021
- (Oral) Beauty 2020: First measurement from Charmless B Decays at Belle II Sep. 2020
- (Poster) INSTR-20: Development of the Level-1 track trigger with Central Drift Chamber detector in Belle II experiment and its performance in SuperKEKB 2019 Phase 3 operation Feb. 2020.
- (Oral) INSTR-20: Performance of the Belle II Aerogel-Based Ring-Imaging Cherenkov Counter system in SuperKEKB 2019 Phase 3 operation Feb. 2020.
- (Poster) IEEE NSS/MIC 2018: Level-1 track trigger with Central Drift Chamber detector in Belle II experiment Nov. 2018
- (Poster) IEEE NSS/MIC 2018: Aerogel-Based Ring-Image Cherenkov counter in the Belle II experiment Nov. 2018
- (Oral) ICHEP 2018: Search for CP violation and rare decays in charm sector at Belle Jul. 2018
- (Oral) CHARM 2016: Search for D^0 decays to invisible final states at Belle Sep. 2016
- (Oral) LLWI 2016: Result on $B^0 \rightarrow p\bar{\Lambda}D^{(*)-}$ at Belle Feb. 2016
- (Oral) LLWI 2014: Search for $B^0 \rightarrow p\bar{\Lambda}\pi^-\gamma$ at Belle Feb. 2014

- **JPS Annual Meeting in Japan**
 - 2022 Spring: (Invited presentation) Prospects of the new physics search at Belle II by precise measurements of the CKM matrix elements Mar. 2022
 - 2021 Autumn: (Oral) Commissioning of the upgraded Belle II DAQ system with PCI-express-based high-speed readout Sep. 2021
 - 2021 Autumn: (Oral) Study of $B^+ \rightarrow \pi^+\pi^0\pi^0$ at Belle Sep. 2021
 - 2021 Spring: (Oral) Upgrade of the Belle II DAQ system with PCI-express-based high-speed readout Mar. 2021

- **Physical Society of Republic of China (PSROC) Annual Meeting in Taiwan**
 - 2017: (Oral) Search for D^0 decays to invisible final states at Belle Jan. 2017
 - 2016: (Oral) Belle II Level-1 trigger system 27 Jan., 2016
 - 2015: (Oral) Merger and Data Transmission in CDCTRG for Belle II Jan. 2015
 - 2014: (Oral) Merger and Data Flow in CDCTRG for Belle II Jan. 2014
 - 2013: (Oral) Measurement of Branching Fraction of $B^0 \rightarrow p\bar{\Lambda}\pi^-\gamma$ at Belle Jan. 2013