

PUBLICATIONS BELLE2 – 05 MAR 2026

article

2026

1. Operational experience and performance of the Silicon Vertex Detector after the first long shutdown of Belle II, K. Ravindran *et al.*, Belle-II SVD Collaboration, Nucl. Instrum. Meth. A 1081 (2026) 170834

2025

1. Measurement of the integrated luminosity of data samples collected during 2019-2022 by the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Chin. Phys. C 49 (2025) 013001
2. Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 \pi^0 \gamma$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 134 (2025) 011802
3. Measurement of branching fractions, CP asymmetry, and isospin asymmetry for $B \rightarrow \rho \gamma$ decays using Belle and Belle II data, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) L071103
4. Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 \pi^0 \gamma$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 134 (2025) 011802
5. Determination of $|V_{ub}|$ from simultaneous measurements of untagged $B^0 \rightarrow \pi^- \ell^+ \nu_\ell$ and $B^+ \rightarrow \rho^0 \ell^+ \nu_\ell$ decays, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) 112009
6. Search for CP violation in $D_{(s)}^+ \rightarrow K_S^0 K^- \pi^+ \pi^+$ decays using triple and quadruple products, Aggarwal, L. *et al.*, J. High Energy Phys. 04 (2025) 036
7. Search for CP violation in $D_{(s)}^+ \rightarrow K_S^0 K^- \pi^+ \pi^+$ decays using triple and quadruple products, Aggarwal, L. *et al.*, Belle2 Collaboration, J. High Energy Phys. 04 (2025) 036
8. Observation of time-dependent CP violation and measurement of the branching fraction of $B^0 \rightarrow J/\psi \pi^0$ decays, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) 012011
9. Model-independent measurement of D^0 - \bar{D}^0 mixing parameters in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ decays at Belle and Belle II, Adachi, Ichiro *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) 112011
10. Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K_S^0 K_S^0$ decays using Belle and Belle II data, Adachi, I. *et al.*, Phys. Rev. D 111 (2025) 012015
11. Measurement of $B \rightarrow K^*(892) \gamma$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 09 (2025) 024

12. Measurement of the inclusive branching fractions for B_s^0 decays into D mesons via hadronic tagging, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 04 (2025) 114
13. Observations of the singly Cabibbo-suppressed decays $\Xi_c^+ \rightarrow pK_S^0$, $\Xi_c^+ \rightarrow \Lambda\pi^+$, and $\Xi_c^+ \rightarrow \Sigma^0\pi^+$ at Belle and Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 03 (2025) 061
14. Observation of the decay $B^0 \rightarrow J/\psi\omega$ at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) 032012
15. Measurement of the branching fraction and CP -violating asymmetry of the decay $B^0 \rightarrow \pi^0\pi^0$ using 387 million bottom-antibottom meson pairs in Belle II data, I. Adachi *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) L071102
16. Search for lepton flavor-violating decay modes $B^0 \rightarrow K_S^0\tau^\pm\ell^\mp$ ($\ell = \mu, e$) with hadronic B -tagging at Belle and Belle II, Adachi, Ichiro *et al.*, Belle2 Collaboration, Phys. Rev. Lett 135 (2025) 041801
17. Measurement of the branching fraction, polarization, and time-dependent CP asymmetry in $B^0 \rightarrow \rho^+\rho^-$ decays and constraint on the CKM angle ϕ_2 , Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 111 (2025) 092001
18. Measurement of $B^+ \rightarrow \tau^+\nu_\tau$ branching fraction with a hadronic tagging method at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) 072002
19. Search for inclusive decays at Belle, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 135 (2025) 041901
20. Measurement of the Branching Fraction of $\Lambda_c^+ \rightarrow pK_S^0\pi^0$ at Belle, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) 012013
21. Measurements of the branching fractions of $\Lambda_c^+ \rightarrow^+ K_S^0$, $\Lambda_c^+ \rightarrow^0 +$, and $\Lambda_c^+ \rightarrow^0 K^+$ at Belle and Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 08 (2025) 195
22. Search for $B^0 \rightarrow K^{*0}\tau^+\tau^-$ decays at the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 135 (2025) 151801
23. Test of lepton flavor universality with measurements of $R(D^+)$ and $R(D^{*+})$ using semileptonic B tagging at the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) 032010
24. Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K_S^0K_S^0$ decays using opposite-side flavor tagging at Belle and Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) 012017

25. Search for lepton-flavor-violating $\tau^- \rightarrow \ell^- K_s^0$ decays at Belle and Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 08 (2025) 092
26. Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \pi^0 \pi^0$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) 012006
27. Search for lepton flavor-violating decay modes $B^0 \rightarrow K^{*0} \tau^\pm \ell^\mp$ ($\ell = e, \mu$) with hadronic B-tagging at Belle and Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 08 (2025) 184
28. Search for a dark Higgs boson produced in association with inelastic dark matter at the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 135 (2025) 131801
29. Measurement of the CP asymmetry in $D^+ \rightarrow \pi^+ \pi^0$ decays at Belle II, Adachi, Ichiro *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) L031101
30. Observation of the decays $B^+ \rightarrow_c (2455)^{++} \bar{c}^-$ and $B^0 \rightarrow_c (2455)^{00} \bar{c}^0$, Abumusabh, M. *et al.*, Belle2 Collaboration, Phys. Rev. D 112 (2025) L051101

2024

1. Measurement of branching-fraction ratios and CP asymmetries in $B^\pm \rightarrow D_{CP^\pm} K^\pm$ decays at Belle and Belle II, Adachi, I. *et al.*, J. High Energy Phys. 05 (2024) 212
2. Measurement of branching fractions and direct CP asymmetries for $B \rightarrow K\pi$ and $B \rightarrow \pi\pi$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) 012001
3. First measurement of $R(X_{\tau/\ell})$ as an inclusive test of the $b \rightarrow c\tau\nu$ anomaly, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 132 (2024) 211804
4. Evidence for $B^+ \rightarrow K^+ \nu \bar{\nu}$ Decays, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) 112006
5. Search for the $e^+e^- \rightarrow \eta_b(1S)\omega$ and $e^+e^- \rightarrow \chi_{b0}(1P)\omega$ processes at $\sqrt{s} = 10.745$ GeV, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) 072013
6. A test of lepton flavor universality with a measurement of $R(D^*)$ using hadronic B tagging at the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 110 (2024) 072020
7. Study of $\Upsilon(10753)$ decays to $\pi^+\pi^-\Upsilon(nS)$ final states at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 07 (2024) 116
8. Measurement of CP asymmetries in $B^0 \rightarrow \eta' K_s^0$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 110 (2024) 112002
9. The silicon vertex detector of the Belle II experiment, A. Gabrielli *et al.*, Belle-II SVD Collaboration, Nucl. Instrum. Meth. A 1064 (2024) 169401

10. The DMAPS upgrade of the Belle II vertex detector, M. Babeluk *et al.*, Belle2 Collaboration, Nucl. Instrum. Meth. A 1064 (2024) 169428
11. A new graph-neural-network flavor tagger for Belle II and measurement of $\sin 2\phi_1$ in $B^0 \rightarrow J/\psi K_S^0$ decays, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 110 (2024) 012001
12. Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) 112020
13. Search for a $\mu^+\mu^-$ resonance in four-muon final states at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) 112015
14. Measurement of the $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ cross section in the energy range 0.62-3.50 GeV at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 110 (2024) 112005
15. Search for rare $b \rightarrow d\ell^+\ell^-$ transitions at Belle, Adachi, I. *et al.*, Phys. Rev. Lett 133 (2024) 101804
16. Measurement of the branching fraction of the decay $B^- \rightarrow D^0\rho(770)^-$ at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 109 (2024) L111103
17. Determination of the CKM angle ϕ_3 from a combination of Belle and Belle II results, Adachi, I. *et al.*, J. High Energy Phys. 10 (2024) 143
18. Search for lepton-flavor-violating $\tau^- \rightarrow \mu^-\mu^+\mu^-$ decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 09 (2024) 062
19. Test of light-lepton universality in τ decays with the Belle II experiment, I. Adachi *et al.*, Belle2 Collaboration, J. High Energy Phys. 08 (2024) 205
20. Measurement of the energy dependence of the $e^+e^- \rightarrow B\bar{B}$, $B\bar{B}^*$, and $B^*\bar{B}^*$ cross sections at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 10 (2024) 114
21. Search for the decay $B^0 \rightarrow \gamma\gamma$ using Belle and Belle II data, Adachi, I. *et al.*, Phys. Rev. D 110 (2024) L031106
22. Measurements of the branching fractions of $\Xi_c^0 \rightarrow \Xi^0\pi^0$, $\Xi_c^0 \rightarrow \Xi^0\eta$, and $\Xi_c^0 \rightarrow \Xi^0\eta'$ and asymmetry parameter of $\Xi_c^0 \rightarrow \Xi^0\pi^0$, Adachi, I. *et al.*, Belle2 Collaboration, J. High Energy Phys. 10 (2024) 045
23. Measurement of the branching fractions of $\bar{B} \rightarrow D^{(*)}K^-K_{(S)}^{(*)0}$ and $\bar{B} \rightarrow D^{(*)}D_s^-$ decays at Belle II, I. Adachi *et al.*, Belle2 Collaboration, J. High Energy Phys. 08 (2024) 206
24. Search for the baryon number and lepton number violating decays $\tau^- \rightarrow \Lambda\pi^-$ and $\tau^- \rightarrow \bar{\Lambda}\pi^-$ at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 110 (2024) 112003

2023

1. Measurement of lepton mass squared moments in $B \rightarrow \chi_c \ell \nu_\ell$ decays with the Belle II experiment, Abudinén, F. *et al.*, Belle2 Collaboration, Phys. Rev. D 107 (2023) 072002
2. Measurement of the Λ_{ctoto} Lifetime, Abudinén, F. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 130 (2023) 071802
3. Search for a Dark Photon and an Invisible Dark Higgs Boson in $\mu^+ \mu^-$ and Missing Energy Final States with the Belle II Experiment, Abudinén, F. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 130 (2023) 071804
4. Measurement of the Ω_c^0 lifetime at Belle II, F. J. Abudinen *et al.*, Belle2 Collaboration, Phys. Rev. D 107 (2023) L031103
5. Observation of $e^+ e^- \rightarrow \omega \chi_{bJ}(1P)$ and Search for $\chi_b \rightarrow \omega \Upsilon(1S)$ at \sqrt{s} near 10.75 GeV, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 130 (2023) 091902
6. Search for an Invisible Z' in a Final State with Two Muons and Missing Energy at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 130 (2023) 231801
7. Search for Lepton-Flavor-Violating τ Decays to a Lepton and an Invisible Boson at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 130 (2023) 181803
8. Test of Light-Lepton Universality in the Rates of Inclusive Semileptonic B -Meson Decays at Belle II, Aggarwal, L. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 131 (2023) 051804
9. Measurement of the B^0 lifetime and flavor-oscillation frequency using hadronic decays reconstructed in 2019–2021 Belle II data, Abudinén, F. *et al.*, Belle2 Collaboration, Phys. Rev. D 107 (2023) L091102
10. Measurement of the branching fraction and CP asymmetry of $B^0 \rightarrow \pi^0 \pi^0$ decays using $19810^6 BB$ pairs in Belle II data, Abudinén, F. *et al.*, Belle2 Collaboration, Phys. Rev. D 107 (2023) 112009
11. Novel method for the identification of the production flavor of neutral charmed mesons, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 107 (2023) 112010
12. Measurement of CP Violation in $B^0 \rightarrow K_s^0 \pi^0$ Decays at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 131 (2023) 111803
13. Measurement of the τ -lepton mass with the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 108 (2023) 032006
14. Precise Measurement of the D_s^+ Lifetime at Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 131 (2023) 171803
15. Measurement of CP asymmetries and branching-fraction ratios for $B^\pm \rightarrow DK^\pm$ and $D\pi^\pm$ with $D \rightarrow K_S^0 K^\pm \pi^\mp$ using Belle and Belle II data, Adachi, I. *et al.*, J. High Energy Phys. 09 (2023) 146

16. Search for a long-lived spin-0 mediator in $b \rightarrow s$ transitions at the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 108 (2023) L111104
17. Search for a $\tau^+\tau^-$ resonance in $e^+e^- \rightarrow \mu^+\mu^-\tau^+\tau^-$ events with the Belle II experiment, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 131 (2023) 121802
18. Measurement of CP asymmetries in $B^0 \rightarrow \phi K_s^0$ decays with Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 108 (2023) 072012
19. Tests of Light-Lepton Universality in Angular Asymmetries of $B^0 \rightarrow D^*\ell\nu$ Decays, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. Lett 131 (2023) 181801
20. Determination of $-V_{cb}$ using $\bar{B}^0 \rightarrow D^{*+}\ell^-\bar{\nu}_\ell$ decays with Belle II, Adachi, I. *et al.*, Belle2 Collaboration, Phys. Rev. D 108 (2023) 9

2022

1. B-flavor tagging at Belle II, F. Abudinén *et al.*, Belle2 Collaboration, Eur. Phys. J. C 82 (2022) 283
2. Combined analysis of Belle and Belle II data to determine the CKM angle ϕ_3 using $B^+ \rightarrow D(K_S^0 h^- h^+)h^+$ decays, F. Abudinén *et al.*, Belle2 Collaboration, J. High Energy Phys. 02 (2022) 063
3. The design, construction, operation and performance of the Belle II silicon vertex detector, K. Adamczyk *et al.*, Belle2 Collaboration, J. Instrum 17 (2022) P11042

2021

1. Search for $B^+ \rightarrow K^+\nu\bar{\nu}$ decays using an inclusive tagging method at Belle II, F. Abudinén *et al.*, Belle2 Collaboration, Phys. Rev. Lett 127 (2021) 181802
2. Precise measurement of the D^0 and D^+ lifetimes at Belle II, F. Abudinén *et al.*, Belle2 Collaboration, Phys. Rev. Lett 127 (2021) 211801

2020

1. Search for Axion-Like Particles produced in e^+e^- collisions at Belle II, F. Abudinén *et al.*, Belle2 Collaboration, Phys. Rev. Lett 125 (2020) 161806

acte de conférence

2025

1. The Silicon Vertex Detector of the Belle II Experiment, A. B. Kaliyar, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmler, A. Ishikawa, Y. Jin, M. Kaleta, J. Kandra, K. H. Kang, P. Kodyš, T. Kohriki, R. Kumar, K. Lalwani, K. Lautenbach, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, S. Mondal, K. R. Nakamura, Z. Natkaniec, Y. Onuki, F. Otani, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, H. Tanigawa, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, Z. Wang, J. Webb, O. Werbycka, J. Wiechczynski, H. Yin, L. Zani, indéfini, 2023, 6th International Conference on Technology and Instrumentation in Particle Physics (2025) 114, Cape Town, South Africa, 4-8 Sep 2023
2. The DMAPS upgrade of the Belle II Vertex Detector, G. Rizzo, D. Auguste, M. Babeluk, M. Barbero, P. Barrillon, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, C. Bepin, S. Bettarini, A. Bevan, M. Bona, J. Bonis, F. Bosi, R. Boudagga, P. Breugnon, Y. Buch, G. Casarosa, L. Corona, J. Dingfelder, A. Dorokhov, G. Dujany, C. Finck, F. Forti, A. Frey, D. Fougeron, A. Gabrielli, L. Gaioni, S. Giroletti, K. Hara, T. Higuchi, A. Himmi, D. Howgill, C. Irmler, D. Jeans, A. B. Kaliyar, M. Karagounis, T. Kishishita, H. Krüger, A. Kumar, C. Lacasta, C. Marinas, M. Massa, L. Massaccesi, J. Mazorra de Cos, M. Minuti, A. Moggi, S. Mondal, F. Morel, K. R. Nakamura, Y. Okazaki, Y. Onuki, P. Pangaud, Y. Peinaud, H. Pham, B. Pilsl, L. Ratti, V. Re, E. Riceputi, I. Ripp-Baudot, L. Schall, C. Schwanda, B. Schwenker, M. Schwickardi, R. Sefri, J. Serrano, P. Stavroulakis, G. Traversi, I. Valin, V. Vobbilisetti, M. Vogt, S. Wang, M. Winter, D. Xu, Nucl. Instrum. Meth. A, 1072, 16th Pisa Meeting on Advanced Detectors (2025) 170164, La Biodola, Italy, 26 May - 01 Jun 2024
3. Design of the OBELIX monolithic CMOS pixel sensor for the Belle II vertex detector upgrade, R. Boudagga, D. Auguste, M. Babeluk, M. Barbero, P. Barrillon, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, C. Bepin, S. Bettarini, A. Bevan, M. Bona, J. Bonis, F. Bosi, P. Breugnon, Y. Buch, G. Casarosa, L. Corona, J. Dingfelder, A. Dorokhov, G. Dujany, L. Federici, A. Fernandez Prieto, C. Finck, F. Forti, D. Fougeron, A. Frey, A. Gabrielli, L. Gaioni, A. Gallas Torreira, X. Gao, S. Giroletti, J. Gong, K. Hara, T. Higuchi, A. Himmi, D. Howgill, C. Hu-Guo, C. Irmler, D. Jeans, A. B. Kaliyar, M. Karagounis, T. Kishishita, H. Krüger, A. Kumar, C. Lacasta, C. Marinas, M. Massa, L. Massaccesi, J. Mazorra de Cos, M. Minuti, A. Moggi, L. Molina-Bueno, S. Mondal, F. Morel, K. R. Nakamura, Y. Okazaki, Y. Onuki, P. Pangaud, Y. Peinaud, H. Pham, B. Pilsl, L. Ratti, V. Re, E. Riceputi, I. Ripp-Baudot, G. Rizzo, L. Schall, C. Schwanda, B. Schwenker, M. Schwickardi, R. Sefri, J. Serrano, W. Song, P. Stavroulakis, G. Traversi, I. Valin, V. Vobbilisetti, M. Vogt, S. Wang, M. Winter, D. Xu, J. Instrum, 20, Topical Workshop on Electronics for Particle Physics (2025) C02046, Glasgow, United Kingdom, 30 Sep - 04 Oct 2024
4. Upgrade of the Belle II Vertex Detector with Depleted Monolithic Active

Pixel Sensors, D. Auguste, M. Babeluk, M. Barbero, P. Barrillon, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, C. Bepin, S. Bettarini, A. Bevan, M. Bona, J. Bonis, F. Bosi, R. Boudagga, P. Breugnon, Y. Buch, G. Casarosa, L. Corona, J. Dingfelder, A. Dorokhov, G. Dujany, L. Federici, A. Fernandez Prieto, C. Finck, F. Forti, D. Fougeron, A. Frey, A. Gabrielli, L. Gaioni, A. Gallas Torreira, X. Gao, S. Giroletti, J. Gong, K. Hara, T. Higuchi, A. Himmi, D. Howgill, C. Hu-Guo, C. Imler, D. Jeans, A. B. Kaliyar, M. Karagounis, T. Kishishita, H. Krüger, A. Kumar, C. Lacasta, C. Marinas, M. Massa, L. Massaccesi, M. Maushart, J. Mazorra de Cos, M. Minuti, A. Moggi, L. Molina- Bueno, S. Mondal, F. Morel, K. R. Nakamura, Y. Okazaki, Y. Onuki, P. Pangaud, Y. Peinaud, H. Pham, B. Pilsl, L. Ratti, V. Re, E. Riceputi, I. Ripp-Baudot, G. Rizzo, L. Schall, C. Schwanda, B. Schwenker, M. Schwickardi, R. Sefri, J. Serrano, W. Song, P. Stavroulakis, G. Traversi, I. Valin, V. Vobbilisetti, M. Vogt, S. Wang, M. Winter, D. Xu, J. Instrum, 20, 11th International Workshop on Semiconductor Pixel Detectors for Particles and Imaging (2025) C10013, Strasbourg, France, 18-22 Nov 2024

5. Upgrade of the Belle II Vertex Detector with Depleted Monolithic Active Pixel Sensors, A. Gabrielli, M. Babeluk, T. Bergauer, C. Imler, A. B. Kaliyar, B. Pilsl, C. Schwanda, L. Gaioni, V. Re, E. Riceputi, G. Traversi, S. Giroletti, L. Ratti, S. Bettarini, F. Bosi, G. Casarosa, L. Corona, F. Forti, M. Massa, L. Massaccesi, M. Minuti, A. Moggi, S. Mondal, G. Rizzo, V. Vobbilisetti, M. Barbero, P. Barrillon, R. Boudagga, P. Breugnon, D. Fougeron, P. Pangaud, J. Serrano, D. Xu, D. Auguste, J. Bonis, Y. Peinaud, M. Winter, J. Baudot, G. Bertolone, A. Dorokhov, G. Dujany, L. Federici, C. Finck, A. Himmi, C. Hu-Guo, A. Kumar, M. Maushart, F. Morel, H. Pham, I. Ripp-Baudot, R. Sefri, P. Stavroulakis, I. Valin, F. Bernlochner, C. Bepin, J. Dingfelder, H. Krüger, L. Schall, M. Vogt, M. Karagounis, Y. Buch, A. Frey, B. Schwenker, M. Schwickardi, T. Hara, D. Jeans, T. Kishishita, K. R. Nakamura, Y. Okazaki, T. Higuchi, Y. Onuki, S. Wang, C. Lacasta, C. Marinas, J. M. de Cos, L. Molina-Bueno, A. Bevan, M. Bona, D. Howgill, W. Song, J. Gong, X. Gao, A. F. Prieto, A. G. Torreira, EPJ Web Conf., 338, 9th International Conference on Advancements in Nuclear Instrumentation Measurement Methods and their Applications (2025) 01003, Valencia, Spain, 9-13 Jun 2025
6. Upgrade of the Belle II vertex detector with depleted monolithic CMOS active pixel sensors, Y. Buch, M. Babeluk, T. Bergauer, M. Friedl, C. Imler, B. Pilsl, C. Schwanda, L. Gaioni, V. Re, E. Riceputi, G. Traversi, S. Giroletti, L. Ratti, G. F. Benfratello, S. Bettarini, F. Bosi, G. Casarosa, L. Corona, F. Forti, A. Gabrielli, M. Massa, L. Massaccesi, M. Minuti, A. Moggi, S. Mondal, G. Rizzo, A. Taffara, V. Vobbilisetti, M. Barbero, P. Barrillon, R. Boudagga, P. Breugnon, D. Fougeron, P. Pangaud, J. Serrano, D. Xu, D. Auguste, J. Bonis, Y. Peinaud, M. Winter, J. Baudot, G. Bertolone, A. Dorokhov, G. Dujany, L. Federici, C. Finck, A. Himmi, C. Hu-Guo, A. Kumar, M. Maushart, F. Morel, H. Pham, I. Ripp-Baudot, R. Sefri, P. Stavroulakis, I. Valin, F. Bernlochner, C. Bepin, J. Dingfelder, H. Krüger, L. Schall, M. Vogt, M. Karagounis, A. Frey, B. Schwenker, M. Schwickardi, T. Hara, D. Jeans, T. Kishishita, K. R. Nakamura, Y. Okazaki, T. Higuchi,

Y. Onuki, S. Wang, C. Lacasta, C. Marinas, J. Mazorra de Cos, L. Molina-Bueno, A. Bevan, M. Bona, D. Howgill, W. Song, J. Gong, X. Gao, A. Fernandez Prieto, A. Gallas Torreira, J. Instrum, 20, 17th Topical Seminar on Innovative Particle and Radiation Detectors (2025) C12026, Siena, Italy, 15-19 Sep 2025

2024

1. The Vertex Detector Upgrade of the Belle II Experiment, T. Tsuboyama, M. Babeluk, M. Barbero, P. Barrillon, J. Baudot, T. Bergauer, F. U. Bernlochner, G. Bertolone, S. Bettarini, F. Bosi, R. Boudagga, P. Breugnon, G. Casarosa, G. Dujany, C. Finck, F. Forti, D. Fougeron, A. Himmi, C. Hu, C. Irmeler, A. Ishikawa, C. Marinas, M. Massa, L. Massaccesi, M. Minuti, S. Mondal, F. Morel, P. Pangaud, H. Pham, G. Rizzo, B. Schwenker, M. Schwickardi, R. Sefri, P. Stavroulakis, I. Valin, D. Xu, JPS Conf. Proc., 42, 31st International Workshop on Vertex Detectors (2024) 011013, Chiba, Japan, 23-28 Oct 2022
2. The Silicon Vertex Detector of the Belle II Experiment, K. H. Kang, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, Y. Jin, M. Kaleta, A. B. Kaliyar, J. Kandra, P. Kapusta, P. Kodyš, T. Kohriki, R. Kumar, C. L. Licata, K. Lalwani, K. Lautenbach, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, K. R. Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, F. Otani, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, H. Tanigawa, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, Z. Wang, J. Webb, O. Werbycka, J. Wiehczynski, H. Yin, L. Zani, JPS Conf. Proc., 42, 31st International Workshop on Vertex Detectors (2024) 011003, Chiba, Japan, 23-28 Oct 2022
3. The DMAPS upgrade of the Belle II vertex detector, S. Bettarini, M. Babeluk, M. Barbero, J. Baudot, F. Bosi, Y. Buch, G. Casarosa, L. Federici, F. Forti, A. Kumar, C. Marinas, M. Massa, L. Massaccesi, J. Mazorra de Cos, M. Minuti, S. Mondal, K. R. Nakamura, G. Rizzo, C. Schwanda, M. Schwickardi, J. Instrum, 19, 16th Topical Seminar on Innovative Particle and Radiation Detectors (2024) C02060, Siena, Italy, 25-29 Sep 2023
4. Design of the OBELIX monolithic CMOS pixel sensor for an upgrade of the Belle II vertex detector, T. H. Pham, D. Auguste, M. Babeluk, M. Barbero, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, S. Bettarini, F. Bosi, J. Bonis, R. Boudagga, P. Breugnon, Y. Buch, F. Buchsteiner, M. S. Calo, G. Casarosa, J. Dingfelder, A. Dorokhov, L. Federici, T. Fillinger, C. Finck, F. Forti, D. Fougeron, A. Frey, L. Gaioni, S. Giroletti, A. Himmi, E. Kou, C. Hu Guo, C. Irmeler, M. Karagounis, T. Kishishita, H. Krüger, A. Kumar, C. Marinas, M. Massa, L. Massaccesi, J. Mazorra de Cos, M. Minuti, S. Mondal, F. Morel, K. Nakamura, P. Pangaud, Y. Peinaud, L. Ratti, V. Re, E. Riceputi, I. Ripp Baudot, G. Rizzo, L. Schall, C. Schwanda, B. Schwenker, M. Schwickardi, P. Stavroulakis, S. Wang, C. Wessel, M. Winter, G. Traversi,

- I. Valin, D. Xu, J. Instrum, 19, Topical Workshop on Electronics for Particle Physics (2024) C04020, Geremeas, Italy, 2-06 Oct 2023
5. The DMAPS Upgrade of the Belle II Vertex Detector, D. Xu, M. Babeluk, M. Barbero, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, S. Bettarini, F. Bosi, R. Boudagga, P. Breugnon, Y. Buch, G. Casarosa, J. Dingfelder, G. Dujany, L. Federici, T. Fillinger, C. Finck, D. Fougeron, F. Forti, A. Frey, A. Himmi, C. Hu, C. Irmeler, M. Karagounis, A. Kumar, C. Marinas, M. Massa, L. Massaccesi, J. Mazzora de Cos, M. Minuti, S. Mondal, K. R. Nakamura, H. Pham, P. Pangaud, I. Ripp-Baudot, G. Rizzo, C. Schwanda, B. Schwenker, P. Stavroulakis, I. Valin, C. Wesseland, PoS, 2023, 32nd International Workshop on Vertex Detectors (2024) 041, Genova, Italy, 16-20 Oct 2023
 6. Upgrade of Belle II vertex detector with CMOS pixel technology, M. Schwickardi, M. Babeluk, M. Barbero, J. Baudot, T. Bergauer, G. Bertolone, S. Bettarini, F. Bosi, P. Breugnon, Y. Buch, G. Casarosa, G. Dujany, C. Finck, F. Forti, A. Frey, A. Himmi, C. Irmeler, A. Kumar, C. Marinas, M. Massa, L. Massaccesi, J. M. de Cos, M. Minuti, S. Mondal, P. Pangaud, H. Pham, I. Ripp-Baudot, G. Rizzo, B. Schwenker, I. Valin, J. Instrum, 19, 24th international Workshop on Radiation Imaging Detectors (2024) C01054, Oslo, Norway, 25-29 Jun 2023
 7. The Silicon Vertex Detector of the Belle II experiment, Z. Wang, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, Y. Jin, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kodyš, T. Kohriki, R. Kumar, K. Lalwani, K. Lautenbach, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, S. Mondal, K. R. Nakamura, Z. Natkaniec, Y. Onuki, F. Otani, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, H. Tanigawa, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, J. Webb, O. Werbycka, J. Wiechczynski, H. Yin, L. Zani, Nucl. Instrum. Meth. A, 1061, 13th International Conference on Position Sensitive Detectors (2024) 169131, Oxford, United Kingdom, 3-9 Sep 2023
 8. Silicon vertex detector of the Belle II experiment, S. Mondal, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, Y. Jin, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kodyš, T. Kohriki, R. Kumar, K. Lalwani, K. Lautenbach, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, K. R. Nakamura, Z. Natkaniec, Y. Onuki, F. Otani, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, H. Tanigawa, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, Z. Wang, J. Webb, O.

Werbycka, J. Wiechczynski, H. Yin, L. Zani, J. Instrum, 19, 16th Topical Seminar on Innovative Particle and Radiation Detectors (2024) C02038, Siena, Italy, 25-29 Sep 2023

9. The OBELIX chip for the Belle II VTX upgrade, M. Babeluk, D. Auguste, M. Barbero, P. Barrillon, J. Baudot, T. Bergauer, F. Bernlochner, G. Bertolone, C. Bepin, S. Bettarini, A. Bevan, M. Bona, J. Bonis, F. Bosi, R. Boudagga, P. Breugnon, Y. Buch, G. Casarosa, L. Corona, J. Dingfelder, A. Dorokhov, G. Dujany, C. Finck, F. Forti, A. Frey, D. Fougeron, A. Gabrielli, L. Gaioni, S. Giroletti, K. Hara, T. Higuchi, A. Himmi, D. Howgill, C. Irmeler, D. Jeans, A. B. Kaliyar, M. Karagounis, T. Kishishita, H. Krüger, A. Kumar, C. Lacasta, C. Marinas, M. Massa, L. Massaccesi, J. Mazorra de Cos, M. Minuti, A. Moggi, S. Mondal, F. Morel, K. R. Nakamura, Y. Okazaki, Y. Onuki, P. Pangaud, Y. Peinaud, H. Pham, B. Pilsl, L. Ratti, V. Re, E. Riceputi, I. Ripp-Baudot, G. Rizzo, L. Schall, C. Schwanda, B. Schwenker, M. Schwickardi, R. Sefri, J. Serrano, P. Stavroulakis, G. Traversi, I. Valin, V. Vobbilisetti, M. Vogt, S. Wang, M. Winter, D. Xu, Nucl. Instrum. Meth. A, 1067, (2024) 169659, indéfini,
10. Operational experience and performance of the Belle II silicon vertex detector after the first SuperKEKB long shutdown, F. Otani, K. Adamczyk, H. Aihara, S. Bacher, S. Bahinipati, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, M. Kaleta, A. B. Kaliyar, K. H. Kang, T. Kohriki, R. Kumar, K. Lalwani, K. Lautenbach, R. Leboucher, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, S. Mondal, K. R. Nakamura, Z. Natkaniec, Y. Onuki, A. Paladino, E. Paoloni, K. K. Rao, K. Ravindran, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, Z. Wang, J. Wiechczynski, H. Yin, L. Zani, F. Zeng, Nucl. Instrum. Meth. A, 1067, 16th Pisa Meeting on Advanced Detectors (2024) 169652, La Biodola, Italy, 26 May - 1 Jun 2024
11. Upgrade of the Belle II Vertex Detector with monolithic active pixel sensors, Kumar, Ajit, Auguste, D., Babeluk, M., Barbero, M., Barrillon, P., Baudot, J., Bergauer, T., Bernlochner, F., Bertolone, G., Bepin, C., Bettarini, S., Bevan, A., Bona, M., Bonis, J., Bosi, F., Boudagga, R., Breugnon, P., Buch, Y., Casarosa, G., Corona, L., Dingfelder, J., Dorokhov, A.E., Dujany, G., Federici, L., Prieto, A.Fernandez, Finck, C., Forti, F., Fougeron, D., Frey, A., Gabrielli, A., Gaioni, L., Torreira, A.Gallas, Gao, X., Giroletti, S., Gong, J., Hara, K., Higuchi, T., Himmi, A., Howgill, D., Hu-Guo, C., Irmeler, C., Jeans, D., Kaliyar, A.B., Karagounis, M., Kishishita, T., Krüger, H., Lacasta, C., Mariñas, C., Massa, M., Massaccesi, L., de Cos, J.Mazorra, Minuti, M., Moggi, A., Molina-Bueno, L., Mondal, S., Morel, F., Nakamura, K.R., Okazaki, Y., Onuki, Y., Pangaud, P., Peinaud, Y., Pham, H., Pilsl, B., Ratti, L., Re, V., Riceputi, E., Ripp-Baudot, I., Rizzo, G., Schall, L., Schwanda, C., Schwenker, B., Schwickardi, M., Sefri, R., Serrano, J., Song, W., Stavroulakis, P., Traversi, G., Valin, I., Vobbilisetti, V., Vogt, M., Wang,

S., Winter, M., Xu, D., PoS, 2024, 42nd International Conference on High Energy Physics (2024) 909, Prague, Czech Republic, 17-24 Jul 2024

12. Reinstallation and performance of the Belle II Silicon Vertex Detector, Corona, Luigi, Adamczyk, Karol, Aihara, Hiroaki, Bacher, Szymon Grzegorz, Bahinipati, Seema, Baudot, Jerome, Behera, Prafulla Kumar, Bettarini, Stefano, Bilka, Tadeas, Bozek, Andrzej, Buchsteiner, Florian, Casarosa, Giulia, Dujany, Giulio, Finck, Christian, Forti, Francesco, Friedl, Markus, Gabrielli, Alice, Gobbo, Benigno, Halder, Soumen, Hara, Koji, Hazra, Sagar, Higuchi, Takeo, Irmeler, Christian, Ishikawa, Akimasa, Kaleta, Mateusz, Kaliyar, Abdul Basith, Kang, Kookhyun, Kohriki, Takashi, Kumar, Rajesh, Lalwani, Kavita, Lautenbach, Klemens, Leboucher, Robin, Libby, James Frederick, Martel, Lucas, Massaccesi, Ludovico, Mohanty, Gagan Bihari, Mondal, Suryanrayan, Nakamura, Katsuro, Natkaniec, Zbigniew Marian, Onuki, Yoshiyuki, Otani, Fumiaki, Paladino, Antonio, Paoloni, Eugenio, Rao, Kameswara Kodali, Ravindran, Krishnakumar, Ripp-baudot, Isabelle, Rizzo, Giuliana, Sato, Yo, Schwanda, Christoph, Serrano, Justine, Tomoyuki Shimasaki, Suzuki, Junichi, Tanaka, Shuji, Tenchini, Francesco, Thalmeier, Richard, Tiwary, Rahul, Tsuboyama, Toru, Uematsu, Yuma, Vitale, Lorenzo, Wang, Zihan, Wiechczynski, Jaroslaw, Yin, Hao, Zani, Laura, Zeng, Fanli, Das, Sanjeeda Bharati, PoS, 2024, 42nd International Conference on High Energy Physics (2024) 855, Prague, Czech Republic, 17-24 Jul 2024

2023

1. CMOS MAPS upgrade for the Belle II Vertex Detector, M. Babeluk, M. Barbero, J. Baudot, T. Bergauer, F. Bernlochner, S. Bettarini, F. Bosi, Y. Buch, G. Casarosa, J. Dingfelder, T. Fillinger, C. Finck, A. Frey, C. Hu, C. Irmeler, C. Marinas, M. Massa, L. Massaccesi, M. Minuti, H. Pham, G. Rizzo, C. Schwanda, B. Schwenker, M. Schwickardi, C. Wessel, Nucl. Instrum. Meth. A, 1048, 15th Pisa Meeting on Advanced Detectors (2023) 168015, La Biodola, Italy, 22-28 May 2022
2. The silicon vertex detector of the Belle II experiment, C. Irmeler, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, A. Ishikawa, H. B. Jeon, Y. Jin, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodyš, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, K. Lautenbach, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, G. B. Mohanty, K. R. Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, F. Otani, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, Y. Sato, C. Schwanda, J. Serrano, T. Shimasaki, J. Suzuki, S. Tanaka, H. Tanigawa, F. Tenchini, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, K. Wan, Z. Wang, J. Webb, O. Werbycka, J. Wiechczynski, H. Yin, L. Zani, Nucl. Instrum. Meth. A, 1045, 15th Pisa Meeting on Advanced Detectors (2023) 167578, La Biodola, Italy, 22-28 May 2022

3. Recent results from Belle II, V. Bertacchi, Nucl.Part.Phys.Proc, 324-329, 25th International Conference in Quantum Chromodynamics (2023) 107-112, Montpellier, France, 4-07 Jul 2022
4. Status of the BELLE II Pixel Detector, Giakoustidis, Georgios, Abudinen, Fernando, Ackermann, Karlheinz, Ahlburg, Patrick, Albalawi, Mohammed, Alonso, Oscar, Andricek, Laci, Ayad, Rachid, Babu, Varghese, Baur, Anselm, Bernlochner, Florian, Bilka, Tadeas, Bolz, Arthur, Bozek, Andrzej, Camien, Christian, Caldwell, Allen Christopher, Cao, Lu, Chekelian, Vladimir, Dieguez, Angel, Dingfelder, Jochen Christian, Dolezal, Zdenek, Fras, Markus, Frey, Ariane, Gabriel, Miroslav, Gadow, Karsten, Gessler, Thomas, Getzkow, Dennis, Li Gioi, Luigi, Greenwald, Daniel, Heck, Martin, Hensel, Martin, Hoek, Matthias, Huber, Stefan, Kandra, Jakub, Kapusta, Pjotr, Karl, Robert, Kehl, Jasper, Kiesling, Christian, Kisielewski, Bartlomiej, Kittlinger, David, Klose, Daniel, Kodys, Peter, Koffmane, Christian, Konorov, Igor, Krein, Matthäus, Krivokuca, Silvia, Kuhr, Thomas, Kurz, Simon, Kvasnicka, Peter, Lange, Jens Sören, Lautenbach, Klemens, Leis, Ullrich, Leitl, Philipp, Levit, Dmytro, Liemann, Gerhard, Liu, Qingyuan, Liu, Zhen'An, Lück, Thomas, Marinas, Carlos, Mccarney, Sara, Moser, Hans-Günther, Moya, David, Müller, Felix Johannes, Müller, Felix, Niebuhr, Carsten, Ninkovic, Jelena, Paschen, Botho, Paul, Stephan, Peric, Ivan, Pitzl, Daniel, Rabusov, Andrei, Reif, Markus, Reiter, Simon Patrik, Richter, Rainer, Ritter, Martin, Ritzert, Michael, Gonzalez Sanchez, Javier, Scavino, Bianca, Schaller, Gerhard, Schmitz, Jannes, Schnecke, Martina, Schopper, Florian, Schreeck, Harrison, Schwenker, Benjamin, Schwickardi, Marike, Sedlmeyer, Reinhard, Sfienti, Concettina, Simon, Frank, Skambraks, Sebastian, Skorupa, Justin, Soloviev, Yuri, Spruck, Björn, Stefkova, Slavomira, Stever, Reimer, Tafelmayer, Eva, Takahashi, Maiko, Vila, Ivan, Lopez Virto, Amparo, Vogt, Sven, Wang, Chunjie, Wieduwilt, Philipp, Windel, Hendrik, Ye, Hua, Zhao, Jingzhou, Zlebcik, Radek, PoS, Pixel2022, 10th International Workshop on Semiconductor Pixel Detectors for Particles and Imaging (2023) 005, Santa Fe, United States, 12-16 Dec 2022
5. Time-dependent, hadronic B decays and electroweak penguins at Belle II, V. Bertacchi, indéfini, 57th Rencontres de Moriond on QCD and High Energy Interactions (2023), La Thuile, Italy, 25 Mar - 01 Apr 2023
6. Belle II status and prospects for studies of neutral currents, V. Bertacchi, J. Instrum, 18, New Frontiers in Lepton Flavor 2023 (2023) C08015, Pisa, Italy, 15-17 May 2023
7. The Silicon Vertex Detector of the Belle II Experiment, Sato, Yo, Adamczyk, K., Aggarwal, L., Aihara, H., Aziz, T., Bacher, S., Bahinipati, S., Batignani, G., Baudot, J., Behera, P.K., Bettarini, S., Bilka, T., Bozek, A., Buchsteiner, F., Casarosa, Giulia, Corona, L., Das, S., Dujany, G., Finck, C., Forti, F., Friedl, M., Gabrielli, A., Gobbo, B., Halder, S., Hara, K., Hazra, S., Higuchi, T., Irmeler, C., Ishikawa, A., Jin, Y., Kaleta, M., Kaliyar, A.B., Kandra, Jakub, Kang, K.H., Kodyš, P., Kohriki, T., Kumar, R., Lalwani, K., Lautenbach, K., Leboucher, R., Lee, S.C., Libby, J., Martel, L., Massacesi, L., Mohanty, G.B., Mondal, S., Nakamura, K.R., Natkaniec, Z., Onuki, Y., Otani, F., Paladino, A., Paoloni, E., Park, H., Polat, L., Rao, K.K., Ripp-Baudot, I., Rizzo, G., Schwanda, C., Serrano, J., Shimasaki, T., Suzuki,

J., Tanaka, S., Tanigawa, H., Tenchini, F., Thalmeier, R., Tiwary, R., Tsuboyama, T., Uematsu, Y., Vitale, L., Wang, Z.M., Webb, J., Werbycka, O., Wiechczynski, J., Yin, H., Zani, Laura, PoS, EPS-HEP2023, 2023 European Physical Society Conference on High Energy Physics (2023) 550, Hamburg, Germany, 21-25 Aug 2023

2022

1. Performance and running experience of the Belle II silicon vertex detector, K. R. Nakamura, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, H. B. Jeon, Y. Jin, C. Joo, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodyš, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, S. C. Lee, J. Libby, L. Massaccesi, S. N. Mayekar, G. B. Mohanty, T. Morii, Z. Natkaniec, Y. Onuki, W. Ostrowicz, A. Paladino, E. Paoloni, H. Park, G. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, D. Sahoo, C. Schwanda, J. Serrano, J. Suzuki, S. Tanaka, H. Tanigawa, R. Thalmeier, R. Tiwari, T. Tsuboyama, Y. Uematsu, O. Verbycka, L. Vitale, K. Wan, Z. Wang, J. Webb, J. Wiechczynski, H. Yin, L. Zani, J. Phys. Conf. Ser., 2374, 5th International Conference on Technology and Instrumentation in Particle Physics (2022) 012059, Online, United States, 24-28 May 2021
2. Simulation of the Belle II silicon vertex detector, M. Kaleta, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, H. B. Jeon, Y. Jin, C. Joo, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodyš, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, S. N. Mayekar, G. B. Mohanty, T. Morii, K. R. Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, D. Sahoo, C. Schwanda, J. Serrano, J. Suzuki, S. Tanaka, H. Tanigawa, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, O. Verbycka, L. Vitale, K. Wan, Z. Wang, J. Webb, J. Wiechczynski, H. Yin, L. Zani, Nucl. Instrum. Meth. A, 1032, 30th International Workshop on Vertex Detectors (2022) 166630, Online, United Kingdom, 27-30 Sep 2021
3. The silicon vertex detector of the Belle II experiment, G. Dujany, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, C. Finck, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, H. B. Jeon, Y. Jin, C. Joo, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodyš, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, S. N. Mayekar, G. B. Mohanty, T. Morii, K. R.

Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, D. Sahoo, C. Schwanda, J. Serrano, J. Suzuki, S. Tanaka, H. Tanigawa, R. Thalmeier, R. Tiwari, T. Tsuboyama, Y. Uematsu, O. Verbycka, L. Vitale, K. Wan, Z. Wang, J. Webb, J. Wiechczynski, H. Yin, L. Zani, J. Instrum, 17, 12th International Conference on Position Sensitive Detectors (2022) C08014, Birmingham, United Kingdom, 12-17 Sep 2021

4. The Silicon Vertex Detector of the Belle II experiment, L. Zani, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, H. B. Jeon, Y. Jin, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodys, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, R. Leboucher, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, S. N. Mayekar, G. B. Mohanty, T. Morii, K. R. Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, D. Sahoo, C. Schwanda, J. Serrano, J. Suzuki, S. Tanaka, H. Tanigawa, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, L. Vitale, K. Wan, Z. Wang, J. Webb, O. Werbycka, J. Wiechczynski, H. Yin, Nucl. Instrum. Meth. A, 1038, 16th Vienna Conference on Instrumentation (2022) 166952, Wien, Austria, 21-25 Feb 2022
5. Measurement of the cluster position resolution of the Belle II Silicon Vertex Detector, R. Leboucher, K. Adamczyk, L. Aggarwal, H. Aihara, T. Aziz, S. Bacher, S. Bahinipati, G. Batignani, J. Baudot, P. K. Behera, S. Bettarini, T. Bilka, A. Bozek, F. Buchsteiner, G. Casarosa, L. Corona, T. Czank, S. B. Das, G. Dujany, C. Finck, F. Forti, M. Friedl, A. Gabrielli, E. Ganiev, B. Gobbo, S. Halder, K. Hara, S. Hazra, T. Higuchi, C. Irmeler, A. Ishikawa, H. B. Jeon, Y. Jin, C. Joo, M. Kaleta, A. B. Kaliyar, J. Kandra, K. H. Kang, P. Kapusta, P. Kodyš, T. Kohriki, M. Kumar, R. Kumar, C. La Licata, K. Lalwani, S. C. Lee, J. Libby, L. Martel, L. Massaccesi, S. N. Mayekar, G. B. Mohanty, T. Morii, K. R. Nakamura, Z. Natkaniec, Y. Onuki, W. Ostrowicz, A. Paladino, E. Paoloni, H. Park, L. Polat, K. K. Rao, I. Ripp-Baudot, G. Rizzo, D. Sahoo, C. Schwanda, J. Serrano, J. Suzuki, S. Tanaka, H. Tanigawa, R. Thalmeier, R. Tiwary, T. Tsuboyama, Y. Uematsu, O. Verbycka, L. Vitale, K. Wan, Z. Wang, J. Webb, J. Wiechczynski, H. Yin, L. Zani, Nucl. Instrum. Meth. A, 1033, 30th International Workshop on Vertex Detectors (2022) 166746, Online, United Kingdom, 27-30 Sep 2021

2021

1. Track reconstruction efficiency measurement using $e^+e^- \rightarrow \tau^+\tau^-$ events at Belle II, L. Zani, PoS ICHEP2020, 2020, 40th International Conference on High Energy Physics (2021) 797, Prague, indéfini, 30 Jul - 05 Aug 2020

2020

1. Track reconstruction efficiency measurement using $e^+e^- \rightarrow \tau^+\tau^-$ events at Belle II, L. Zani, PoS, volume, ICHEP2020 (2020) pages, indéfini, 28 Jul 2020 - 6 Aug 2020

présentation orale

2025

1. Search for Lepton Flavour Violating $B_0 \rightarrow K_0^* \ell^+\ell^-$ decays with the Belle and Belle II experiments, **C. Lemettais**, 59th Rencontres de Moriond, La Thuile, Italy, 23-30 Mar 2025

2024

1. Topical workshop on LFV decays of the tau lepton, **J. Serrano**, Topical workshop on LFV decays of the tau lepton, Orsay, France, 11-12 Apr 2024
2. Cracow Epiphany conference, **K. Lautenbach**, XXX Cracow Epiphany conference on precision physics at high energy colliders, Cracovie, Poland, 8-12 Jan 2024
3. Recent beauty measurements from Belle and Belle II, **V. Bertacchi**, La Thuile 2024 - Les Rencontres de Physique de la Vallée d'Aoste, La Thuile, Italy, 3-9 Mar 2024
4. Beyond the Flavour Anomalies workshop, V. Lisovskyi, Beyond the Flavour Anomalies workshop, Siegen, Germany, 9-11 Apr 2024
5. International Conference on New Frontiers in Physics, A. Thaller, XIII International Conference on New Frontiers in Physics, Kolymbari, C, Greece, 4 Sep 2024

2023

1. Moriond QCD 2023, **V. Bertacchi**, Moriond QCD 2023, La Thuile, Italy, 24-27 Mar 2023
2. New frontiers in lepton flavour, **V. Bertacchi**, New frontiers in lepton flavour, Pisa, Italy, 15-17 May 2023
3. BEAUTY 2023, **R. Leboucher**, BEAUTY 2023, Clermont Ferrand, France, 5-10 Jul 2023
4. CKM 2023, **J. Serrano**, CKM2023, Santiago de Compostela, Spain, 18-23 Sep 2023
5. GDR-InF annual workshop 2023, **V. Bertacchi**, **A. Thaller**, **K. Lautenbach**, **C. Lemettais**, GDR-InF annual workshop, Mont Saint Odile, France, 6-8 Nov 2023

2022

1. VCI 2022, **L. Zani**, VCI 2022, , indéfini, 21-25 Feb 2022
2. DIS 2022, **K. Lautenbach**, DIS 2022, , indéfini, 2-6 Mai 2022
3. Blois 2022, **L. Zani**, Blois 2022, , indéfini, 22-27 May 2022
4. QCD 2022, **V. Bertacchi**, QCD 2022, Montpellier, France, 4-9 Jul 2022
5. Vietnam Flavour Physics Conference 2022, **L. Polat**, Vietnam Flavour Physics Conference 2022, Quy Nhon, Vietnam, 14-20 Aug 2022
6. BLV 2022, **J. Serrano**, BLV 2022, Brussel, Belgium, 5-8 Sep 2022
7. GDR-InF annual workshop 2022, V. Bertacchi, A. Thaller, L. Polat, R. Leboucher, GDR-InF annual workshop, Lyon, France, 2-4 Nov 2022

2021

1. Phenomenology 2021 Symposium, **L. Polat**, Phenomenology 2021 Symposium, , indéfini, 24-26 May 2021
2. Flavour Physics from non LHC experiments, **J. Serrano**, LHCP 2021, Paris, France, 7-12 Jun 2021
3. Anomalies and Precision in the Belle II Era – Workshop, **L. Zani**, Anomalies and Precision in the Belle II Era – Workshop, Vienna, Austria, 8-9 Sep 2021
4. The 30th International Workshop on Vertex Detectors, **R. Leboucher**, The 30th International Workshop on Vertex Detectors, Oxford, United Kingdom, 27-30 Sep 2021
5. Precision Electroweak Physics at the CERN Large Hadron Collider, **V. Bertacchi**, Precision Electroweak Physics at the CERN Large Hadron Collider, Milan, Italy, 5-6 Oct 2021
6. GDR-InF annual workshop 2021, **L. Zani**, GDR-InF annual workshop, Paris, France, 14-15 Nov 2021
7. GdR-Inf 2021 annual workshop, **R. Leboucher**, L. Martel, GdR-Inf 2021 annual workshop, Paris, France,

2020

1. ICHEP2020, **L. Zani**, ICHEP 2020, Prague, indéfini, 28 Jul - 6 Aug 2020
2. BEAUTY2020, **L. Zani**, BEAUTY2020, , indéfini, 21-24 Sep 2020
3. GDR-InF annual workshop 2020, **L. Polat**, T. Fillinger, GDR-InF annual workshop 2020, , indéfini, 28 Sep - 16 Oct 2020

2019

1. GDR-InF annual workshop 2019, **L. Zani**, GDR-InF annual workshop 2019, Sommières, France, 6 Nov 2019

affiche

2022

1. A Graph Neural Network for B decays reconstruction at Belle II, J. Cerasoli, J. Kahn, I. Tsaklidis, O. Taubert, L. Reuter, G. Dujany, T. Boeckh, A. Thaller, P. Goldenzweig, F. Bernlochner, A. Streit, M. Götz, 21th International Workshop on Advanced Computing and Analysis Techniques in Physics Research: AI meets Reality (ACAT 2022), Bari, Italy, 23-28 Oct 2022

mémoire

2025

1. Search for $B^0 \rightarrow K^{*0} \tau^\pm \ell^\mp$ lepton flavour violating decays and tracking performance studies at the Belle and Belle II experiments, C. Lemettais, Aix-Marseille Université, 19 Sep 2025
2. Development and Characterization of a Readout Chip with Integrated Sensor for a High-Energy Physics Application, R. Boudagga, Aix-Marseille Université, 15 Dec 2025

2024

1. Recherche de désintégrations du tau violant la saveur leptonique et études de trajectographie dans l'expérience Belle II, A. Thaller, Aix-Marseille Université, 28 Oct 2024

2023

1. Search for $\tau^- \rightarrow \mu^- \mu^+ \mu^-$ lepton flavour violating decays and measurement of the SVD cluster position resolution at Belle II experiment, R. Leboucher, Aix-Marseille Université, 31 Oct 2023

2022

1. Recherche de désintégrations $\rightarrow\rightarrow$ violant la saveur leptonique et mesure du taux de fausses traces dans les événements $e+e\rightarrow+e+e\rightarrow+$ avec l'expérience Belle II, L. Polat, Aix- Marseille Université, 14 Dec 2022