

Publications

Article

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

Gevorg Karyan, et al. (Belle II Collaboration) 415

Physical Review D 2024 012001

Article

Search for Rare $b \rightarrow d\ell + \ell^-$ Transitions at Belle

Gevorg Karyan, et al. 394

Physical Review Letters 2024 101804

Article

Search for the decay $B^0 \rightarrow \gamma\gamma$ using Belle and Belle II data

Karyan G., et al. 408

Physical Review D 2024 L031106

Article

Measurement of the branching fractions of $B^- \rightarrow D^{(*)}K - K_S^*0$ and $B^- \rightarrow D^{(*)}D_s^-$ decays at Belle II

Karyan G., et al. 406

Journal of High Energy Physics 2024 206

Article

First Measurement of $R(X_{\tau/\ell})$ as an Inclusive Test of the $b \rightarrow c\tau\nu$ Anomaly

Karyan G., et al. 392

Physical Review Letters 2024 211804

Article

Tests of Light-Lepton Universality in Angular Asymmetries of $B^0 \rightarrow D - \ell\nu$ Decays

G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner,

H. Atmacan et al. (Belle II Collaboration)

Physical Review Letters 2023 181801

Article

Slow control of the Belle II Aerogel Ring Imaging detector

G. Karyan, et al. 43

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment
2023 168569

Article

Precise Measurement of the $D + s$ Lifetime at Belle II

G. Karyan, I. Adachi, L. Aggarwal, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner, H. Atmacan,
T. Aushe et al. (Belle II Collaboration)
Physical Review Letters 2023 171803

Article

Search for a $\tau + \tau -$ Resonance in $e + e - \rightarrow \mu + \mu - \tau + \tau -$ Events with the Belle II

Experiment

G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky,
D. M. Asner et al. (Belle II Collaboration)
Physical Review Letters 2023 121802

Article

Test of Light-Lepton Universality in the Rates of Inclusive Semileptonic B-Meson Decays at Belle II

G. Karyan, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky, D. M. Asner, H. Atmacan,
T. Aushev et al. (Belle II Collaboration)
Physical Review Letters 2023 051804

Article

Measurement of the τ -lepton mass with the Belle II experiment

G. Karyan, I. Adachi, K. Adamczyk, L. Aggarwal, H. Ahmed, H. Aihara, N. Akopov, A. Aloisio, N. Anh Ky,
D. M. Asner et al. (Belle II Collaboration)
Physical Review D 2023 032006
