

出版論文

原子核ハドロン物理学研究室

1

Experimental investigation of vector mesons in medium through dielectron decay at J-PARC

K. Aoki, D. Ishii, Y. Hori, S. Nagafusa, S. Nakasuga, M. Naruki, S. Ochiai, M. Ogura, T. Taniguchi, S. Yanai et al.

J.Subatomic Part.Cosmol. 3 (2025) 100019

2

Analysis of spectral modification in nuclei using the PHSD transport approach

M. Ichikawa, M. Naruki et al.

J.Subatomic Part.Cosmol. 3 (2025) 100018

3

Observation of the decay at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

Phys.Rev.D 111 (2025) 3, 032012

4

Observations of the singly Cabibbo-suppressed decays $\Xi^+ c \rightarrow p K S^0$, $\Xi^+ c \rightarrow \Lambda \pi^+$, and $\Xi^+ c \rightarrow \Sigma^0 \pi^+$ at Belle and Belle II

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)

JHEP 03 (2025) 061

5

Experimental studies of in-medium modification of meson mass through decays

H. Sako, M. Naruki et al.

J.Subatomic Part.Cosmol. 1-2 (2024) 100012

6

Measurement of the time-integrated asymmetry in decays using Belle and Belle II data

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)

Phys.Rev.D 111 (2025) 1, 012015

7

Observation of time-dependent violation and measurement of the branching fraction of decays

I. Adachi, M. Naruki, et al. (Belle-II collaboration)
Phys.Rev.D 111 (2025) 1

8

Missing-Mass Measurement of the $^{12}\text{C}(\text{K}^-, \text{K}^+)$ Reaction at 1.8 GeV/c with the Superconducting Kaon Spectrometer

Y. Ichikawa, M. Naruki et al.
PTEP 2024 (2024) 9, 091D01

9

Measurement of Asymmetries in Decays at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)
Phys.Rev.Lett. 134 (2025) 1

10

Search for the baryon number and lepton number violating decays and at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)
Phys.Rev.D 110 (2024) 11, 112003

11

Measurement of the integrated luminosity of data samples collected during 2019-2022 by the Belle II experiment*

I. Adachi, M. Naruki, et al. (Belle-II collaboration)
Chin.Phys.C 49 (2025) 1, 013001

12

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

I. Adachi, M. Naruki, et al. (Belle-II collaboration)
JHEP 08 (2024) 206

13

Measurements of the branching fractions of $\Xi^0 \text{c} \rightarrow \Xi^0 \pi^0$, $\Xi^0 \text{c} \rightarrow \Xi^0 \eta$, and $\Xi^0 \text{c} \rightarrow \Xi^0 \eta'$ and asymmetry parameter of $\Xi^0 \text{c} \rightarrow \Xi^0 \pi^0$

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)
JHEP 10 (2024) 045

14

Search for the decay using Belle and Belle II data

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)

Phys.Rev.D 110 (2024) 3, L031106

15

Measurement of the energy dependence of the $e^+e^- \rightarrow BB, BB^*,$ and B^*B^* cross sections at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

JHEP 10 (2024) 114

16

Test of light-lepton universality in τ decays with the Belle II experiment

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

JHEP 08 (2024) 205

17

Search for lepton-flavor-violating $\tau \rightarrow \mu^- \mu^+ \mu^-$ decays at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

JHEP 09 (2024) 062

18

Determination of the CKM angle ϕ_3 from a combination of Belle and Belle II results

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)

JHEP 10 (2024) 143

19

Measurement of the branching fraction of the decay at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

Phys.Rev.D 109 (2024) 11, L111103

20

Search for Rare Transitions at Belle

I. Adachi, M. Naruki, et al. (Belle and Belle-II collaboration)

Phys.Rev.Lett. 133 (2024) 10, 101804

21

Measurement of the cross section in the energy range 0.62–3.50 GeV at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

Phys.Rev.D 110 (2024) 11, 112005

22

Search for a resonance in four-muon final states at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

Phys.Rev.D 109 (2024) 11, 112015

23

Measurement of asymmetries in decays at Belle II

I. Adachi, M. Naruki, et al. (Belle-II collaboration)

Phys.Rev.D 109 (2024) 11, 112020

24

Candidate for the Double Gamow–Teller Giant Resonance in ^{48}Ca Studied by the $(^{12}\text{C}, ^{12}\text{Be}(0+2))$ Reaction at 250 MeV/Nucleon

A Sakaue, M Dozono, Y Hijikata, S Y Matsumoto, R Sekiya, R Tsuji, J Zenihiro et al.

Progress of Theoretical and Experimental Physics, Volume 2024,
Issue 12, December 2024, 123D03

25

Investigation of direct nuclear reactions in a storage ring using in-ring detection

J.C. Zamora, J. Zenihiro et al.

Phys. Rev. C 110, 044614 (2024)

26

Production of neutron-rich nuclei in the vicinity of ^{78}Ni : Fragmentation reactions of unstable ^{81}Ga and ^{82}Ge beams

X.H. Sun, J. Zenihiro et al.

Phys. Lett. B 858, 139081 (2024)

27

Evolution of the two-neutron configuration from ^{11}Li to ^{13}Li

P. Andre, J. Zenihiro et al.

Phys. Lett. B 857, 138977 (2024)

28

Missing-Mass Measurement of the $^{12}\text{C}(K^-, K^+)$ Reaction at 1.8 GeV/c with the Superconducting Kaon Spectrometer

Y. Ichikawa, ..., T. Gogami, S. Kanatsuki, T. Nagae, T. Nanamura, M. Naruki et al.

Progress of Theoretical and Experimental Physics, Volume 2024,
Issue 9, 091D01

29

Electroproduction of the Λ/Σ^0 hyperons at $Q^2 = 0.5 \text{ (GeV/c)}^2$ at forward angles

K. Okuyama, ..., K.N. Suzuki, T. Gogami et al.

Phys. Rev. C 110, 025203 (2024)

30

Novel Measurement of the Neutron Magnetic Form Factor from $A = 3$ Mirror Nuclei

S. N. Santiesteban, ..., T. Gogami et al.

Phys. Rev. Lett 132, 162501 (2024)

31

PR12-24-003: Studying Lambda Interactions in Nuclear Matter with the $^{208}\text{Pb}(e, e'K^+)_{\Lambda}^{208}\text{Tl}$ reaction

F. Garibaldi, T. Gogami et al.

Proposal submitted to JLab PAC52(2024)

32

PR12-24-004: Study of Charge Symmetry Breaking in P-Shell Hypernuclei

T. Gogami et al.

Proposal submitted to JLab PAC52(2024)

33

PR12-24-011: Study of Triaxially Deformed Nucleus using Lambda Particle as a Probe

S.N. Nakamura, ..., T. Gogami et al.

Proposal submitted to JLab PAC52

34

PR12-24-013: An Isospin Dependence Study of Lambda-N Interaction through the High Precision Spectroscopy of Lambda Hypernuclei

S.N. Nakamura, ..., T. Gogami et al.

Proposal submitted to JLab PAC52(2024)

35

Production Cross-Sections of Residual Nuclides from $^{93}\text{Zr} + p$ at 27 MeV/nucleon

J. Hwang, M. Dozono et al.

Progress of Theoretical and Experimental Physics, Volume 2024,
Issue 9, September 2024, 093D03

36

Evolution of the two-neutron configuration from ^{11}Li to ^{13}Li

P. Andre, M. Dozono et al.

Physics Letters B, Volume 857, October 2024, 138977

37

Precise Spectroscopy of the $3n$ and $3p$ Systems via the $^3\text{H} (t, ^3\text{He}) ^3n$ and $^3\text{He}(^3\text{He}, t)^3p$ Reactions at Intermediate Energies

K. Miki, M. Dozono, Y. Hijikata, R. Tsuji, et al.

Phys. Rev. Lett. 133, 012501(2024)

38

Study of nucleon structure using hadron beam at J-PARC

N. Tomida

EPJ Web of Conferences 303 03005

39

Mini-Proceedings of the "Fourth International Workshop on the Extension Project for the J-PARC Hadron Experimental Facility (HEF-ex 2024)"

P.Achenbach et al.,

arXiv:2409.00366

40

First test of energy response of the micro-vertex detection system for the WASA-FRS Experiments

S. Eserig, R. Sekiya et al.

Nucl.Instrum.Meth.A 1064 (2024) 169392 • Contribution to:
HSTD13

41

A compact start time counter using plastic scintillators readout with MPPC arrays for the WASA-FRS HypHI experiment

E. Liu, R. Sekiya et al.

Nucl.Instrum.Meth.A 1064 (2024) 169384

42

Search for η' -mesic nuclei in $^{12}\text{C}(p,dp)$ reaction with the WASA detector at GSI-FRS

R. Sekiya et al.

Nuovo Cim.C 47 (2024) 4, 230 • Contribution to: HADRON2023

43

Effect of ground-state deformation on the isoscalar giant monopole resonance and the first observation of overtones of the isoscalar giant quadrupole resonance in rare-Earth Nd isotopes

M. Adbullah, Y. Hijikata, S. Okamoto, et al.

Phys. Lett. B 855, 138852 (2024)

44

The missing-mass spectroscopy for few-body Ξ hypernuclei via the $^7\text{Li}(K^-, K^+)$ reaction

K. Ebata et al.,

J-PARC symposium Proc. (2025)

45

Production cross-section measurement of ^{16}N isomer for proton elastic scattering experiment

R. Yoshida, M. Dozono, J. Zenihiro, Y. Hijikata, S. Ogio, R. Tsuji, K. Yahiro, T. Yano et al.

RIKEN Accelerator Progress Report **57**, 21 (2024)

46

Development of new particle identification method by pulse shape analysis of the GAGG(Ce) calorimeter

Takayuki Yano et al.

RIKEN Accel. Prog. Rep. **57**, 103 (2024)

記入例

CP Violation in the Renormalizable Theory of Weak Interaction

Makoto Kobayashi and Toshihide Maskawa

Prog. Theor. Phys. **49**, 652-657 (1973)