

Prof. İLHAN TAPAN

Personal Information

Office Phone: [+90 224 294 1698](tel:+902242941698)

Email: ilhan@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/ilhan>

International Researcher IDs

ORCID: 0009-0002-8119-1445

ScopusID: 8905787000

Yoksis Researcher ID: 122300

Education

Doctorate, University of Bristol, England 1993 - 1998

Postgraduate, Bursa Uludağ University, Turkey 1988 - 1991

Undergraduate, Bursa Uludağ University, Turkey 1983 - 1988

Dissertations

Doctorate, Avalanche Photodiodes for Proportional Photon Detectors, University of Bristol, Science, Physics, 1998

Research Areas

Natural Sciences

Supervised Theses

Tapan İ., Investigation of micro-pattern gas detectors, Postgraduate, T.Özdemir(Student), 2015

Tapan İ., Effects of ions-clusters on the signal formation in the micro pattern gas detectors, Doctorate, Y.Kalkan(Student), 2015

Tapan İ., BES III detector ToF (time of flight) system studies, Postgraduate, N.Güler(Student), 2014

Tapan İ., Flood laboratory control system design, Postgraduate, E.Eroğlu(Student), 2010

Tapan İ., Energy resolution in calorimeter, Doctorate, F.Koçak(Student), 2010

Tapan İ., Effect of radiation damage on high energy silicon detectors, Doctorate, E.Piliçer(Student), 2008

Tapan İ., Avalanche photodiode use in calorimeter, Postgraduate, F.Helvacı(Student), 2004

Tapan İ., Simulation of signal generation for gas detectors on high energy, Doctorate, N.Demir(Student), 2002

Tapan İ., The Use of PIN photodiodes in high energy physics, Postgraduate, E.Piliçer(Student), 2002

Journal articles indexed in SCI, SSCI, and AHCI

I. The Large Hadron-Electron Collider at the HL-LHC

Agostini P., Aksakal H., Alekhin S., Allport P. P., Andari N., Andre K. D. J., Angal-Kalinin D., Antusch S., Aperio Bella L., Apolinario L., et al.

- II. **HE-LHC: The High-Energy Large Hadron Collider Future Circular Collider Conceptual Design Report Volume 4**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, no.5, pp.1109-1382, 2019 (SCI-Expanded)
- III. **FCC-hh: The Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Abelleira Fernandez J., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, no.4, pp.755-1107, 2019 (SCI-Expanded)
- IV. **Observation and study of the decay $J/\psi \rightarrow \phi\eta\eta'$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.99, no.11, 2019 (SCI-Expanded)
- V. **FCC-ee: The Lepton Collider: Future Circular Collider Conceptual Design Report Volume 2**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Fernandez J. A., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, no.2, pp.261-623, 2019 (SCI-Expanded)
- VI. **Search for heavy Majorana neutrino in lepton number violating decays of $D \rightarrow K\pi e e$ and $D \rightarrow K\pi e e$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, no.11, 2019 (SCI-Expanded)
- VII. **FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1**
Abada A., Abbrescia M., AbdusSalam S. S., Abdyukhanov I., Fernandez J. A., Abramov A., Aburaia M., Acar A. O., Adzic P. R., Agrawal P., et al.
EUROPEAN PHYSICAL JOURNAL C, no.6, 2019 (SCI-Expanded)
- VIII. **Observation of the W -annihilation decay $D_s^+ \rightarrow \omega\pi^+ e e$ and evidence for $D_s^+ \rightarrow \omega K^+ e e$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Z., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.9, 2019 (SCI-Expanded)
- IX. **Measurement of the phase between strong and electromagnetic amplitudes of J/ψ decays**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., Ferroli R. B., et al.
PHYSICS LETTERS B, vol.791, pp.375-384, 2019 (SCI-Expanded)
- X. **Precision measurements of the $e e \rightarrow K_S^0 K^+ \pi^-$ Born cross sections at center-of-mass energies between 3.8 and 4.6 GeV**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.7, 2019 (SCI-Expanded)
- XI. **Search for baryon and lepton number violation in $J/\psi \rightarrow \Lambda_c e e + c.c.$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.7, 2019 (SCI-Expanded)
- XII. **Evidence of a Resonant Structure in the $e e \rightarrow \pi^+ D^0 D^{*0}$ Cross Section between 4.05 and 4.60 GeV**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW LETTERS, vol.122, no.10, 2019 (SCI-Expanded)
- XIII. **Determination of the Pseudoscalar Decay Constant f_{D_s} via $D_s^+ \rightarrow \mu^+ \nu_\mu$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
PHYSICAL REVIEW LETTERS, vol.122, no.7, 2019 (SCI-Expanded)

- XIV. **Measurements of the absolute branching fractions and CP asymmetries for D ($\pi^+ \rightarrow K_{S,L}^0$) (π^0)**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.99, no.3, 2019 (SCI-Expanded)
- XV. **Observation of $\psi(3686) \rightarrow p(\bar{p})\text{over-bar}\eta'$ and improved measurement of $J/\psi \rightarrow p(\bar{p})\text{over-bar}\eta'$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.3, 2019 (SCI-Expanded)
- XVI. **Measurement of $e^+e^- \rightarrow K^+K^-$ cross section at $\sqrt{s}=2.00\text{--}3.08$ GeV**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.99, no.3, 2019 (SCI-Expanded)
- XVII. **Study of the $D^0 \rightarrow K^-\mu^+$ Dynamics and Test of Lepton Flavor Universality with $D^0 \rightarrow K^-\nu_{\mu}$ Decays**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW LETTERS, vol.122, no.1, 2019 (SCI-Expanded)
- XVIII. **Study of the Dalitz decay $J/\psi \rightarrow e^+e^- \eta$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XIX. **Evidence for the decays of $\Lambda^0 \rightarrow \Sigma^+ \eta$ and $\Sigma^+ \eta'$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
CHINESE PHYSICS C, vol.43, no.8, 2019 (SCI-Expanded)
- XX. **Measurement of $B(J/\psi \rightarrow \eta' e^+e^-)$ and search for a dark photon**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XXI. **Observation of $e^+e^- \rightarrow \eta Y(2175)$ at center-of-mass energies above 3.7 GeV**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XXII. **Observation of OZI-suppressed decays $\chi_{cJ} \rightarrow \omega\phi$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XXIII. **Search for a strangeonium-like structure Z_s decaying into $\phi\pi$ and a measurement of the cross section $e^+e^- \rightarrow \phi\pi$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XXIV. **Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic Λ_c^+ Decay**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW LETTERS, vol.121, no.25, 2018 (SCI-Expanded)
- XXV. **Beam offset impact on the polarization in the CLIC beam delivery system**
Simitcioglu A. U., Tapan İ., Tomas R., Barranco J., Beckmann M.
CANADIAN JOURNAL OF PHYSICS, no.12, pp.1266-1271, 2018 (SCI-Expanded)
- XXVI. **Measurement of the Branching Fraction For the Semileptonic Decay $D^0(+) \rightarrow \pi^-(0)\mu^+\nu_{\mu}$ and Test of Lepton Flavor Universality**

- Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW LETTERS, vol.121, no.17, 2018 (SCI-Expanded)
- XXVII. **Amplitude analysis of the $K_S^0 K_S^0$ system produced in radiative J/ψ decays**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.98, no.7, 2018 (SCI-Expanded)
- XXVIII. **Observation of $h_1(1380)$ in the $J/\psi \rightarrow \eta' K$ (K) over-bar π decay**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.98, no.7, 2018 (SCI-Expanded)
- XXIX. **Observation of $\psi(3686) \rightarrow \eta' e^+ e^- e^+ e^-$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICS LETTERS B, vol.783, pp.452-458, 2018 (SCI-Expanded)
- XXX. **Measurements of absolute branching fractions for $\Lambda_c^+ \rightarrow \Xi^0 K^+ \bar{K}^0$ and $\Xi(1530)^0 \rightarrow K^+ \bar{K}^0$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICS LETTERS B, vol.783, pp.200-206, 2018 (SCI-Expanded)
- XXXI. **Measurement of the Absolute Branching Fraction of the Inclusive Decay $\Lambda_c^+ \rightarrow \Lambda$ plus X**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW LETTERS, vol.121, no.6, 2018 (SCI-Expanded)
- XXXII. **First measurement of $e^+ e^- e^+ e^- \rightarrow p K_S^0 \bar{n}$ (\bar{n}) over-bar $K^+ \bar{K}^- + c.c.$ above open charm threshold**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.98, no.3, 2018 (SCI-Expanded)
- XXXIII. **Observation of $\psi(3686) \rightarrow n(\bar{n})$ over-bar and improved measurement of $\psi(3686) \rightarrow p(\bar{p})$ over-bar**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., et al.
PHYSICAL REVIEW D, vol.98, no.3, 2018 (SCI-Expanded)
- XXXIV. **Observation of $a_0(980) \rightarrow f_0(980)$ Mixing**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW LETTERS, vol.121, no.2, 2018 (SCI-Expanded)
- XXXV. **Measurement of $e^+ e^- e^+ e^- \rightarrow D(D)$ over-bar cross sections at the $\psi(3770)$ resonance**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
CHINESE PHYSICS C, vol.42, no.8, 2018 (SCI-Expanded)
- XXXVI. **Precision Study of $\eta' \rightarrow \gamma \pi^+ \pi^-$ Decay Dynamics**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICAL REVIEW LETTERS, vol.120, no.24, 2018 (SCI-Expanded)
- XXXVII. **Measurement of singly Cabibbo-suppressed decays $D^0 \rightarrow \pi^0 \pi^0 \pi^0$, $\pi^0 \pi^0 \eta$, $\pi^0 \eta \eta$ and $\eta \eta \eta$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICS LETTERS B, vol.781, pp.368-375, 2018 (SCI-Expanded)
- XXXVIII. **Study of the decays $D^+ \rightarrow \eta^+ e^+ \nu_e$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., Ferroli R. B., et al.

PHYSICAL REVIEW D, vol.97, no.9, 2018 (SCI-Expanded)

- XXXIX. **Measurement of the integrated Luminosities of cross-section scan data samples around the $\psi(3770)$ mass region**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai Y., Bakina O., et al.
CHINESE PHYSICS C, vol.42, no.6, 2018 (SCI-Expanded)
- XL. **Search for the rare decay of $\Psi(3686) \rightarrow \Lambda + p e^+ e^- + \text{c.c.}$ at BESIII**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.97, no.9, 2018 (SCI-Expanded)
- XLI. **Measurements of absolute branching fractions for D mesons decays into two pseudoscalar mesons**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.97, no.7, 2018 (SCI-Expanded)
- XLII. **Study of two-photon decays of pseudoscalar mesons via J/Ψ radiative decays**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.97, no.7, 2018 (SCI-Expanded)
- XLIII. **Search for the rare decays $D \rightarrow h(\bar{h})e^+e^-$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.97, no.7, 2018 (SCI-Expanded)
- XLIV. **Measurement of $e^+e^- \rightarrow K\bar{J}/\psi$ cross sections at center-of-mass energies from 4.189 to 4.600 GeV**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.97, no.7, 2018 (SCI-Expanded)
- XLV. **Precision Measurement of the $e^+e^- \rightarrow \Lambda_c \bar{\Lambda}_c$ Cross Section Near Threshold**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW LETTERS, vol.120, no.13, 2018 (SCI-Expanded)
- XLVI. **Improved measurements of $X_c \rightarrow \Sigma(\bar{\Sigma})$ and $\Sigma_0(\bar{\Sigma}_0)$ decays**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)
- XLVII. **Measurement of the absolute branching fraction of $D^* \rightarrow \pi D_s$ (2317)**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)
- XLVIII. **Search for $h_c \rightarrow \pi\pi J/\psi$ via $\psi(3686) \rightarrow \pi\pi\pi J/\psi$**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)
- XLIX. **Measurement of $e^+e^- \rightarrow \pi_0\pi_0\psi(3686)$ at \sqrt{s} from 4.009 to 4.600 GeV and observation of a neutral charmoniumlike structure**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)
- L. **Study of $\eta(1475)$ and $X(1835)$ in radiative J/ψ decays to $\gamma\phi$**
Ablikim M., Achasov M. N., Ahmed S., Albayrak O., Albrecht M., Alekseev M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)
- LI. **Measurements of the branching fractions of the singly Cabibbo-suppressed decays $D^0 \rightarrow \omega\eta, \eta(\eta')\pi_0$ and $\eta\pi_0$**

(η)

Ablikim M., Achasov M. N., Ahmed S., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

PHYSICAL REVIEW D, vol.97, no.5, 2018 (SCI-Expanded)

- LII. **Observation of $e^+e^- \rightarrow \phi\chi_{c1}$ and $\phi\chi_{c2}$ at $\sqrt{s}=4.600$ GeV**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.97, no.3, 2018 (SCI-Expanded)

- LIII. **Observation of a cross-section enhancement near mass threshold in $e^+e^- \rightarrow \Lambda(\Lambda)$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.97, no.3, 2018 (SCI-Expanded)

- LIV. **Determination of the number of $\psi(3686)$ events at BESIII**

Ablikim M., Achasov M. N., Ai X. C., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.

CHINESE PHYSICS C, vol.42, no.2, 2018 (SCI-Expanded)

- LV. **Measurement of the matrix elements for the decays $\eta' \rightarrow \eta\pi^+\pi^-$ and $\eta' \rightarrow \eta\pi^0\pi^0$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.97, no.1, 2018 (SCI-Expanded)

- LVI. **Measurements of the branching fractions for the semileptonic decays $D_{s1} \rightarrow e^+e^-v_e\bar{\nu}_e$, $\phi\mu^+\mu^-$, $\eta\mu^+\mu^-$ and $\eta'\mu^+\mu^-$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.97, no.1, 2018 (SCI-Expanded)

- LVII. **Study of J/ψ and $\psi(3686)$ decays to $\pi^+\pi^-\eta'$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LVIII. **Search for $\psi(3686) \rightarrow \gamma\eta_c(\eta(1405)) \rightarrow \gamma\pi^+\pi^-\pi^0$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LIX. **Observation of $\chi_{c2} \rightarrow \eta'\eta'$ and $\chi_{c0,2} \rightarrow \eta\eta'$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LX. **Observation of the helicity-selection-rule suppressed decay of the χ_{c2} charmonium state**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LXI. **Search for the rare decays $J/\psi \rightarrow D^0e^+e^-$, $e^+e^- \rightarrow e^+e^-D^0$ + c.c. and $\psi(3686) \rightarrow D^0e^+e^-$ + c.c.**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LXII. **Branching fraction measurement of $J/\psi \rightarrow K^*K^*_{S,L}$ and search for $J/\psi \rightarrow K^*KS$**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.

PHYSICAL REVIEW D, vol.96, no.11, 2017 (SCI-Expanded)

- LXIII. **Improved measurements of two-photon widths of the χ_{cJ} states and helicity**

analysis for $\chi_{c2} \rightarrow \gamma\gamma$

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.
PHYSICAL REVIEW D, vol.96, no.9, 2017 (SCI-Expanded)

- LXIV. **Search for the rare decay $D^+ \rightarrow D^0 e^+ \nu_e$**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICAL REVIEW D, vol.96, no.9, 2017 (SCI-Expanded)
- LXV. **Dark photon search in the mass range between 1.5 and 3.4 GeV/c**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICS LETTERS B, vol.774, pp.252-257, 2017 (SCI-Expanded)
- LXVI. **Measurement of cross sections of the interactions $e^+e^- \rightarrow \phi\phi$ and $e^+e^- \rightarrow \phi\phi$ at center-of-mass energies from 4.008 to 4.600 GeV**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICS LETTERS B, vol.774, pp.78-86, 2017 (SCI-Expanded)
- LXVII. **Measurement of integrated luminosity and center-of-mass energy of data taken by BESIII at $\sqrt{s}=2.125$ GeV**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
CHINESE PHYSICS C, vol.41, no.11, 2017 (SCI-Expanded)
- LXVIII. **Observation of the decay $\Lambda_c^+ \rightarrow \Sigma^+ \pi^+ \pi^-$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.
PHYSICS LETTERS B, vol.772, pp.388-393, 2017 (SCI-Expanded)
- LXIX. **Measurement of branching fractions for $\psi(3686) \rightarrow \gamma\eta'$, $\gamma\eta$, and $\gamma\pi^0$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.96, no.5, 2017 (SCI-Expanded)
- LXX. **Evidence for $e^+e^- \rightarrow \gamma\eta_c$ ($1S$) at center-of-mass energies between 4.01 and 4.60 GeV**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Alekseev M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., et al.
PHYSICAL REVIEW D, vol.96, no.5, 2017 (SCI-Expanded)
- LXXI. **Determination of the Spin and Parity of the $Z_c(3900)$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW LETTERS, vol.119, no.7, 2017 (SCI-Expanded)
- LXXII. **Branching fraction measurements of $\psi(3686) \rightarrow \gamma\chi_{cJ}$**
Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bakina O., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.96, no.3, 2017 (SCI-Expanded)
- LXXIII. **Measurements of cross section of $e^+e^- \rightarrow p(\bar{p})\pi^0$ at center-of-mass energies between 4.008 and 4.600 GeV**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICS LETTERS B, vol.771, pp.45-51, 2017 (SCI-Expanded)
- LXXIV. **Measurement of $e^+e^- \rightarrow \pi^+ \pi^- \psi(3686)$ from 4.008 to 4.600 GeV and observation of a charged structure in the $\pi^\pm \psi(3686)$ mass spectrum**
Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
PHYSICAL REVIEW D, vol.96, no.3, 2017 (SCI-Expanded)
- LXXV. **Study of J/ψ and $\psi(3686) \rightarrow \Sigma(1385)^0 \bar{\Sigma}(1385)^0$**

and Ξ^0 (Ξ) $\bar{0}$

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICS LETTERS B, vol.770, pp.217-225, 2017 (SCI-Expanded)

LXXVI. **Observation of $e^+e^- \rightarrow \eta_{hc}$ at center-of-mass energies from 4.085 to 4.600 GeV**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.96, no.1, 2017 (SCI-Expanded)

LXXVII. **Observation of the doubly radiative decay $\eta' \rightarrow \gamma\gamma\pi^0$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.96, no.1, 2017 (SCI-Expanded)

LXXVIII. **Analysis of $D^+ \rightarrow (K^0)\bar{0}e^+v_e$ and $D^+ \rightarrow \pi^0e^+v_e$ semileptonic decays**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., et al.

PHYSICAL REVIEW D, vol.96, no.1, 2017 (SCI-Expanded)

LXXIX. **Luminosity measurements for the R scan experiment at BESIII**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

CHINESE PHYSICS C, vol.41, no.6, 2017 (SCI-Expanded)

LXXX. **Evidence for the singly Cabibbo suppressed decay $\Lambda_{cb}^+ \rightarrow p\eta$ and search for $\Lambda_{cb}^+ \rightarrow p\pi^0$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.95, no.11, 2017 (SCI-Expanded)

LXXXI. **Observation of $\psi(3686) \rightarrow e^+e^-\chi_{cJ}$ and $\psi(3686) \rightarrow e^+e^-\psi_{J/\psi}$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

PHYSICAL REVIEW LETTERS, vol.118, no.22, 2017 (SCI-Expanded)

LXXXII. **Improved measurements of branching fractions for η_{cc} and $\omega\phi$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

PHYSICAL REVIEW D, vol.95, no.9, 2017 (SCI-Expanded)

LXXXIII. **Measurement of the absolute branching fraction for $\Lambda_{cb}^+ \rightarrow \Lambda\mu^+v_\mu$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICS LETTERS B, vol.767, pp.42-47, 2017 (SCI-Expanded)

LXXXIV. **Search for the radiative leptonic decay $D^+ \rightarrow \gamma e^+v_e$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.95, no.7, 2017 (SCI-Expanded)

LXXXV. **Measurement of higher-order multipole amplitudes in $\psi(3686) \rightarrow \gamma\chi_{c1,2}$ with $\chi_{c1,2} \rightarrow \gamma J/\psi$ and search for the transition $\eta_{cc}(2S) \rightarrow \gamma J/\psi$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

PHYSICAL REVIEW D, vol.95, no.7, 2017 (SCI-Expanded)

LXXXVI. **Amplitude analysis of $D^0 \rightarrow K^+ \pi^+ \pi^- \pi^+$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.95, no.7, 2017 (SCI-Expanded)

LXXXVII. **Observation of $\Lambda_c^+ \rightarrow n K^+ S^0$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW LETTERS, vol.118, no.11, 2017 (SCI-Expanded)

LXXXVIII. **Precise Measurement of the $e^+e^- \rightarrow \pi^+ \pi^- J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to 4.60 GeV**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW LETTERS, vol.118, no.9, 2017 (SCI-Expanded)

LXXXIX. **Evidence of Two Resonant Structures in $e^+e^- \rightarrow \pi^+ \pi^- h_c$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW LETTERS, vol.118, no.9, 2017 (SCI-Expanded)

XC. **Simulation of LYSO Crystal for the TAC-PF Electromagnetic Calorimeter**

Kocak F., Tapan İ.

ACTA PHYSICA POLONICA A, no.3, pp.527-529, 2017 (SCI-Expanded)

XCI. **Study of J/ψ and $\psi(3686)$ decay to $\Lambda(\bar{\Lambda})$ and $\Sigma^0(\bar{\Sigma}^0)$ final states**

Ablikim M., Achasov M. N., Ahmed S., Albrecht M., Amoroso A., An F. F., An Q., Bai J. Z., Bai Y., Bakina O., et al.

PHYSICAL REVIEW D, vol.95, no.5, 2017 (SCI-Expanded)

XCII. **Amplitude analysis of the $\chi_{c1} \rightarrow \eta \pi^+ \pi^-$ decays**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICAL REVIEW D, vol.95, no.3, 2017 (SCI-Expanded)

XCIII. **Measurements of the branching fractions for $D^+ \rightarrow K^+ S^0$, $D^+ \rightarrow K^+ K^+ S^0$, $D^+ \rightarrow K^+ K^+ \pi^+$ and $D^0 \rightarrow K^+ S^0$, $D^0 \rightarrow K^+ K^+ S^0$, $D^0 \rightarrow K^+ K^+ \pi^+$**

Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.

PHYSICS LETTERS B, vol.765, pp.231-237, 2017 (SCI-Expanded)

XCIV. **Amplitude Analysis of the Decays $\eta' \rightarrow \pi^+ \pi^- \pi^0$ and $\eta' \rightarrow \pi^0 \pi^0 \pi^0$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

PHYSICAL REVIEW LETTERS, vol.118, no.1, 2017 (SCI-Expanded)

XCV. **Radiation Effects on TAC-PF Electromagnetic Calorimeter**

Pilicer E., Kocak F., Kilic A., Pilicer F. B., Tapan İ.

ACTA PHYSICA POLONICA A, no.1, pp.190-192, 2017 (SCI-Expanded)

XCVI. **Determination of the number of J/ψ events with inclusive J/ψ decays**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.

CHINESE PHYSICS C, vol.41, no.1, 2017 (SCI-Expanded)

- XCVII. **Measurements of the absolute branching fractions for $D_{s^*} \rightarrow \eta e \nu_e$ and $D_{s^*} \rightarrow \eta' e \nu_e$**
 Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
 PHYSICAL REVIEW D, vol.94, no.11, 2016 (SCI-Expanded)
- XCVIII. **Measurement of Singly Cabibbo Suppressed Decays $\Lambda_c \rightarrow p \pi \pi^-$ and $\Lambda_c \rightarrow p K^-$**
 Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
 PHYSICAL REVIEW LETTERS, vol.117, no.23, 2016 (SCI-Expanded)
- XCIX. **Measurement of the absolute branching fraction of $D^* \rightarrow (K^0)^- \pi^0 e \nu_e$ via $(K^0)^- \pi^0$**
 Ablikim M., Achasov N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
 CHINESE PHYSICS C, vol.40, no.11, 2016 (SCI-Expanded)
- C. **Observation of $J/\psi \rightarrow \gamma \eta \pi^0$**
 Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
 PHYSICAL REVIEW D, vol.94, no.7, 2016 (SCI-Expanded)
- CI. **Measurement of the $D_s \rightarrow l \nu_e$ branching fractions and the decay constant f_{D_s}**
 Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
 PHYSICAL REVIEW D, vol.94, no.7, 2016 (SCI-Expanded)
- CII. **Tracking parameter simulation for the Turkish accelerator center particle factory tracker system**
 Tapan İ., Pilicer E., Pilicer F. B.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, pp.389-393, 2016 (SCI-Expanded)
- CIII. **Observation of $e^+ e^- \rightarrow \eta' J/\psi$ center-of-mass energies between 4.189 and 4.600 GeV**
 Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
 PHYSICAL REVIEW D, vol.94, no.3, 2016 (SCI-Expanded)
- CIV. **Study of $D \rightarrow K^- \pi^+ e \nu_e$**
 Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
 PHYSICAL REVIEW D, vol.94, no.3, 2016 (SCI-Expanded)
- CV. **Observation of an Anomalous Line Shape of the $\eta' \pi^+ \pi^-$ Mass Spectrum near the $p(p)^- \pi^+$ Mass Threshold in $J/\psi \rightarrow \gamma \eta' \pi^+ \pi^-$**
 Ablikim M., Achasov M. N., Ahmed S., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., et al.
 PHYSICAL REVIEW LETTERS, vol.117, no.4, 2016 (SCI-Expanded)
- CVI. **Observation of h_c Radiative Decay $h_c \rightarrow \gamma \eta'$ and Evidence for $h_c \rightarrow \gamma \eta$**
 Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
 PHYSICAL REVIEW LETTERS, vol.116, no.25, 2016 (SCI-Expanded)
- CVII. **Observation of pseudoscalar and tensor resonances in $J/\psi \rightarrow \gamma \phi \phi$**
 Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
 PHYSICAL REVIEW D, vol.93, no.11, 2016 (SCI-Expanded)

- CVIII. **Measurements of the center-of-mass energies at BESIII via the di-muon process**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
CHINESE PHYSICS C, vol.40, no.6, pp.5-12, 2016 (SCI-Expanded)
- CIX. **Search for the weak decay $\eta' \rightarrow K^{\pm} \pi^{\mp}$ and precise measurement of the branching fraction $\mathcal{B}(J/\psi \rightarrow \phi \eta')$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.93, no.7, 2016 (SCI-Expanded)
- CX. **Study of ψ decays to the $\Xi(\bar{\Xi})$ and $\Sigma(1385)(\bar{\Sigma})$ final states**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.93, no.7, 2016 (SCI-Expanded)
- CXI. **Investigation of Shot Noise in Avalanche Photodiodes**
Kocak F., Kilic A., Tapan İ.
ACTA PHYSICA POLONICA A, no.4, pp.721-723, 2016 (SCI-Expanded)
- CXII. **Study of $J/\psi \rightarrow p(\bar{p})\phi$ at BESIII**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.93, no.5, 2016 (SCI-Expanded)
- CXIII. **Search for a light CP -odd Higgs boson in radiative decays of J/ψ**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht A., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.93, no.5, 2016 (SCI-Expanded)
- CXIV. **Observation of the Singly Cabibbo-Suppressed Decay $D^+ \rightarrow \omega \pi^+$ and Evidence for $D^0 \rightarrow \omega \pi^0$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW LETTERS, vol.116, no.8, 2016 (SCI-Expanded)
- CXV. **Measurement of the branching fraction for $\psi(3770) \rightarrow \gamma \chi_{c0}$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICS LETTERS B, vol.753, pp.103-109, 2016 (SCI-Expanded)
- CXVI. **Measurement of the $e^+e^- \rightarrow \pi^+\pi^-$ cross section between 600 and 900 MeV using initial state radiation**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICS LETTERS B, vol.753, pp.629-638, 2016 (SCI-Expanded)
- CXVII. **Measurements of Absolute Hadronic Branching Fractions of the Λ_c^+ Baryon**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW LETTERS, vol.116, no.5, 2016 (SCI-Expanded)
- CXVIII. **Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production in e^+e^- Annihilations at $\sqrt{s}=3.65$ GeV**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW LETTERS, vol.116, no.4, 2016 (SCI-Expanded)
- CXIX. **Observation of $e^+e^- \rightarrow \omega \chi_{c1,2}$ near $\sqrt{s}=4.42$ and 4.6 GeV**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICAL REVIEW D, vol.93, no.1, 2016 (SCI-Expanded)
- CXX. **Measurement of the leptonic decay width of J/ψ using initial state radiation**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
PHYSICS LETTERS B, vol.761, pp.98-103, 2016 (SCI-Expanded)
- CXXI. **Improved measurement of the absolute branching fraction of $D^+ \rightarrow (K^0)_{\mu} \mu^+ \nu_{\mu}$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.7, 2016 (SCI-Expanded)
- CXXII. **Study of decay dynamics and CP asymmetry in $D^+ \rightarrow$**

$K_L^0 \rightarrow e^+ \nu_e$
decay

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.11, 2015 (SCI-Expanded)

CXXIII. Measurement of the Absolute Branching Fraction for $\Lambda_c^+ \rightarrow \Lambda e^+ \nu_e$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.22, 2015 (SCI-Expanded)

CXXIV. Observation of a Neutral Structure near the $D(D^*)$ Mass Threshold in $e^+ e^- \rightarrow (D(D^*)) \pi^0$ at $\sqrt{s} = 4.226$ and 4.257 GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.22, 2015 (SCI-Expanded)

CXXV. Measurement of the branching fractions of $D_s^+ \rightarrow \eta' X$ and $D_s^+ \rightarrow \eta' \rho^+$ in $e^+ e^- \rightarrow D_s^+ e^- \rightarrow D_s^+ D_s^-$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICS LETTERS B, vol.750, pp.466-474, 2015 (SCI-Expanded)

CXXVI. Confirmation of a charged charmoniumlike state $Z_{c(3885)}^- \rightarrow \pi^\pm (D^*)^-$ with double D tag

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.9, 2015 (SCI-Expanded)

CXXVII. Observation of a Neutral Charmoniumlike State $Z_{c(4025)}^0 \rightarrow (D^*)^0 \pi^0$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.18, 2015 (SCI-Expanded)

CXXVIII. Study of dynamics of $D^0 \rightarrow K^* e^+ \nu_e$ and $D^0 \rightarrow \pi^- e^+ \nu_e$ decays

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.7, 2015 (SCI-Expanded)

CXXIX. Measurement of the form factors in the decay $D^+ \rightarrow \omega e^+ \nu_e$ and search for the decay $D^+ \rightarrow \varphi e^+ \nu_e$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.7, 2015 (SCI-Expanded)

CXXX. An improved limit for Γ_{ee} of $X(3872)$ and Γ_{ee} measurement of $\psi(3686)$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICS LETTERS B, vol.749, pp.414-420, 2015 (SCI-Expanded)

CXXXI. Observation of $\eta' \rightarrow \omega e^+ e^-$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.5, 2015 (SCI-Expanded)

CXXXII. Precision measurement of the integrated luminosity of the data taken by BESIII at center-of-mass energies between 3.810 GeV and 4.600 GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. CHINESE PHYSICS C, vol.39, no.9, 2015 (SCI-Expanded)

CXXXIII. Search for $Z_{c(3900)}^\pm \rightarrow \omega \pi^\pm$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.3, 2015 (SCI-Expanded)

CXXXIV. **Measurement of the matrix elements for the decays $\eta \rightarrow \pi^+\pi^-\pi^0$ and $\eta/\eta' \rightarrow \pi^0\pi^0\pi^0$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.1, 2015 (SCI-Expanded)

CXXXV. **Observation of the isospin-violating decay $J/\psi \rightarrow \phi\pi^0$ (f_0)**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.1, 2015 (SCI-Expanded)

CXXXVI. **Observation of the $\Psi(1300)$ State in $e^+e^- \rightarrow \pi^+\pi^-\chi_c$ at BESIII**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.1, 2015 (SCI-Expanded)

CXXXVII. **Observation of the Dalitz decay $\eta' \rightarrow \gamma e^+e^-$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.1, 2015 (SCI-Expanded)

CXXXVIII. **Searches for isospin-violating transitions $\chi_{c0,2} \rightarrow \pi^0\eta$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXXXIX. **Search for $D^0 \rightarrow \gamma\gamma$ and improved measurement of the branching fraction for $D^0 \rightarrow \pi^0\pi^0$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXL. **Study of χ_{cJ} decaying into $\phi K^*(892)$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXLI. **Measurement of the $e^+e^- \rightarrow \eta J/\psi$ cross section and search for $e^+e^- \rightarrow \pi^0 J/\psi$ at center-of-mass energies between 3.810 and 4.600 GeV**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXLII. **Measurement of the proton form factor by studying $e^+e^- \rightarrow p(\bar{p})$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXLIII. **Observation of the electromagnetic doubly OZI-suppressed decay $J/\psi \rightarrow \phi\pi^0$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CXLIV. **Measurement of $B(\psi(3770) \rightarrow \gamma\chi_{c1})$ and search for $\psi(3770) \rightarrow \gamma\chi_{c2}$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.9, 2015 (SCI-Expanded)

CXLV. **Measurements of $\psi(3686) \rightarrow K^*\Lambda(\bar{K}^*)$ and $\psi(3686) \rightarrow \gamma K^*\Lambda(\bar{K}^*)$**

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.9, 2015 (SCI-Expanded)

CXLVI. **Measurement of y_{CP} in $D^0 - (\bar{D}^0)$**

\bar{D}^0 oscillation using quantum correlations in $e^+e^- \rightarrow D^0(\bar{D}^0)\bar{D}^0$ at $\sqrt{s}=3.773$ GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICS LETTERS B, vol.744, pp.339-346, 2015 (SCI-Expanded)

CXLVII. Evidence for $e^+e^- \rightarrow \gamma\chi_{c1,2}$ at center-of-mass energies from 4.009 to 4.360 GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. CHINESE PHYSICS C, vol.39, no.4, 2015 (SCI-Expanded)

CXLVIII. Study of $J/\psi \rightarrow \eta\phi\pi^+\pi^-$ at BESIII

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.5, 2015 (SCI-Expanded)

CXLIX. Study of $e^+e^- \rightarrow \omega\chi_{cJ}$ at Center of Mass Energies from 4.21 to 4.42 GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.114, no.9, 2015 (SCI-Expanded)

CL. Precision measurement of the D^0 decay branching fractions

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.3, 2015 (SCI-Expanded)

CLI. Search for the $Y(4140)$ via $e^+e^- \rightarrow \gamma\phi J/\psi$ at $\sqrt{s}=4.23, 4.26$ and 4.36 GeV

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.91, no.3, 2015 (SCI-Expanded)

CLII. Observation of $Z_c(3900)^0$ in $e^+e^- \rightarrow e^+e^- \pi^+\pi^- J/\psi$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.11, pp.112003-1, 2015 (SCI-Expanded)

CLIII. Observation and Spin-Parity Determination of the $X(1835)$ in $J/\psi \rightarrow \gamma K_S^0 K_S^0$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.115, no.9, pp.91803-1, 2015 (SCI-Expanded)

CLIV. Amplitude analysis of the $\pi^0\pi^0$ system produced in radiative J/ψ decays

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.5, 2015 (SCI-Expanded)

CLV. Search for the isospin violating decay $Y(4260) \rightarrow J/\psi\pi^0$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.92, no.1, pp.12008-1, 2015 (SCI-Expanded)

CLVI. Search for the weak decays $J/\psi \rightarrow D_s^+ (\bar{D}^+)^* \nu_e e^- + c.c.$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, no.11, 2014 (SCI-Expanded)

CLVII. Observation of $e^+e^- \rightarrow \pi^0\pi^0 h_c$ and a Neutral Charmoniumlike Structure $Z_c(4020)^0$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW LETTERS, vol.113, no.21, 2014 (SCI-Expanded)

CLVIII. Search for C -parity violation in $J/\psi \rightarrow \gamma\gamma$ and $\gamma\phi$

Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., Amoroso A., An F. F., An Q., Bai J. Z., et al. PHYSICAL REVIEW D, vol.90, no.9, 2014 (SCI-Expanded)

CLIX. Silicon tracker simulation for the Turkish Accelerator Center particle factory

Tapan I., Pilicer F. B.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS
DETECTORS AND ASSOCIATED EQUIPMENT, pp.240-243, 2014 (SCI-Expanded)

- CLX. **Observation of $J/\psi \rightarrow p(\bar{p})\bar{a}_0(980)$ at BESIII**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.90, no.5, 2014 (SCI-Expanded)
- CLXI. **Study of $e^+e^- \rightarrow p(\bar{p})$ in the vicinity of $\psi(3770)$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICS LETTERS B, vol.735, pp.101-107, 2014 (SCI-Expanded)
- CLXII. **Precision measurement of the mass of the τ lepton**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.90, no.1, 2014 (SCI-Expanded)
- CLXIII. **Observation of $\eta' \rightarrow \pi^+\pi^-\pi^+\pi^-$ and $\eta' \rightarrow \pi^+\pi^-\pi^0\pi^0$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.25, 2014 (SCI-Expanded)
- CLXIV. **Measurement of the branching fraction for $\psi(3686) \rightarrow \omega K^+K^-$**
Ablikim M., Achasov N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.11, 2014 (SCI-Expanded)
- CLXV. **Search for the radiative transitions $\Psi(3770) \rightarrow \gamma\eta_c$ and $\gamma\eta_c(2S)$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.11, 2014 (SCI-Expanded)
- CLXVI. **Observation of electromagnetic Dalitz decays $J/\psi \rightarrow Pe^+e^-$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.9, 2014 (SCI-Expanded)
- CLXVII. **Measurement of χ_{cJ} decaying into $\eta'K^+K^-$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.7, 2014 (SCI-Expanded)
- CLXVIII. **Search for the rare decays $J/\psi \rightarrow D_s^+D_s^-$ and $J/\psi \rightarrow (\bar{D}^0)(K^*0)$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.7, 2014 (SCI-Expanded)
- CLXIX. **Observation of a Charged Charmoniumlike Structure in $e^+e^- \rightarrow (D^*(\bar{D}^*)_{\pm}\pi^{\mp})$ at $\sqrt{s}=4.26$ GeV**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.13, 2014 (SCI-Expanded)
- CLXX. **Precision measurements of $B(D^+ \rightarrow \mu^+ \nu_\mu)$, the pseudoscalar decay constant f_{D^+} , and the quark mixing matrix element $|V_{cd}|$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.
PHYSICAL REVIEW D, vol.89, no.5, 2014 (SCI-Expanded)
- CLXXI. **Amplitude analysis of the $D^+ \rightarrow K^0 S^+\pi^-$ Dalitz plot**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.89, no.5, 2014 (SCI-Expanded)
- CLXXII. **Observation of $e^+e^- \rightarrow \gamma X(3872)$ at BESIII**

- Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.9, 2014 (SCI-Expanded)
- CLXXIII. **Observation of a Charged (D^{\pm}) Mass Peak in $e^+e^- \rightarrow \pi^{\pm} D^{\pm}$ at $\sqrt{s}=4.26$ GeV**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW LETTERS, vol.112, no.2, 2014 (SCI-Expanded)
- CLXXIV. **Study of $e^+e^- \rightarrow p(\bar{p})\pi^0$ in the vicinity of the $\psi(3770)$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICAL REVIEW D, vol.734, no.3, 2014 (SCI-Expanded)
- CLXXV. **Measurement of the $D \rightarrow K^{\pm} \pi^{\pm}$ strong phase difference in $\psi(3770) \rightarrow D^0 \bar{D}^0$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.
PHYSICS LETTERS B, vol.734, pp.227-233, 2014 (SCI-Expanded)
- CLXXVI. **Observation of the decay $\psi(3686) \rightarrow \Lambda(\Sigma)\pi^{\pm} + c.c$**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.
PHYSICAL REVIEW D, vol.88, no.11, 2013 (SCI-Expanded)
- CLXXVII. **Observation of a Charged Charmoniumlike Structure $Z_c(4020)$ and Search for the $Z_c(3900)$ in $e^+e^- \rightarrow \pi^{\pm} \pi^{\mp} h_c$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW LETTERS, vol.111, no.24, 2013 (SCI-Expanded)
- CLXXVIII. **Search for $\eta_c(2S)h_c \rightarrow p(\bar{p})$ decays and measurements of the $\chi_{cJ} \rightarrow p(\bar{p})$ branching fractions**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.
PHYSICAL REVIEW D, vol.88, no.11, 2013 (SCI-Expanded)
- CLXXIX. **Measurement of the integrated luminosities of the data taken by BESIII at $\sqrt{s}=3.650$ and 3.773 GeV**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
CHINESE PHYSICS C, vol.37, no.12, 2013 (SCI-Expanded)
- CLXXX. **Observation of a structure at 1.84 GeV/ c^2 in the $3(\pi^+\pi^-\pi^0)$ mass spectrum in $J/\psi \rightarrow \gamma 3(\pi^+\pi^-\pi^0)$ decays**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW D, vol.88, no.9, 2013 (SCI-Expanded)
- CLXXXI. **Partial wave analysis of $\psi(2S) \rightarrow p(\bar{p})\eta$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW D, vol.88, no.3, 2013 (SCI-Expanded)
- CLXXXII. **Precision measurements of $B[\psi(3686) \rightarrow \pi^+\pi^-\eta]$ and $B[\eta/\psi \rightarrow \eta/\psi]$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.
PHYSICAL REVIEW D, vol.88, no.3, 2013 (SCI-Expanded)
- CLXXXIII. **Influence of neutrons on signal fluctuations for APD structures**
KILIÇ A., KOÇAK F., Pilicer E., Tapan İ.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, pp.215-216, 2013 (SCI-Expanded)
- CLXXXIV. **Secondary avalanches in gas mixtures**
ŞAHİN Ö., Tapan İ., Veenhof R.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, pp.432-433, 2013 (SCI-Expanded)
- CLXXXV. **Search for baryonic decays of $c\psi(3770)$ and $\psi(4040)$**

- Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.11, 2013 (SCI-Expanded)
- CLXXXVI. **Observation of a Charged Charmoniumlike Structure in $e^+e^- \rightarrow \pi^+\pi^-\psi$ at $\sqrt{s}=4.26$ GeV**
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al. PHYSICAL REVIEW LETTERS, vol.110, no.25, 2013 (SCI-Expanded)
- CLXXXVII. **Search for the lepton flavor violation process $J/\psi \rightarrow e\mu$ at BESIII**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.11, 2013 (SCI-Expanded)
- LXXXVIII. **Study of $J/\psi \rightarrow \omega p(\bar{p})$ at BESIII**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.11, 2013 (SCI-Expanded)
- CLXXXIX. **Determination of the number of ψ' events at BESIII**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. CHINESE PHYSICS C, vol.37, no.6, 2013 (SCI-Expanded)
- CXC. **Measurement of $\eta' \rightarrow \pi^+\pi^-e^+e^-$ and $\eta' \rightarrow \pi^+\pi^-\mu^+\mu^-$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.9, 2013 (SCI-Expanded)
- CXCI. **Partial wave analysis of $J/\psi \rightarrow \gamma\eta$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.9, 2013 (SCI-Expanded)
- CXCII. **Study of $c(3686) \rightarrow \omega K(\bar{K})\pi$ decays**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.9, 2013 (SCI-Expanded)
- CXCIII. **Measurements of the branching fractions for J/ψ and $\psi' \rightarrow \Lambda(\bar{\Lambda})\pi^0$ and $\Lambda(\bar{\Lambda})\eta$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. PHYSICAL REVIEW D, vol.87, no.5, 2013 (SCI-Expanded)
- CXCIV. **Evidence for $\eta_c(2S)$ in $\psi(3686) \rightarrow \gamma K_S^0 K_{S\pm}^0 \pi^{\mp} \pi^{\pm}$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.5, 2013 (SCI-Expanded)
- CXCV. **Study of the near-threshold $\omega\phi$ mass enhancement in doubly OZI-suppressed $J/\psi \rightarrow \gamma\omega\phi$ decays**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. PHYSICAL REVIEW D, vol.87, no.3, 2013 (SCI-Expanded)
- CXCVI. **Search for η and $\eta' \rightarrow \pi^+e^-\pi^-(\nu)$ ($\bar{\nu}e$) + c.c. decays in $J/\psi \rightarrow \phi\eta$ and $\phi\eta'$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al. PHYSICAL REVIEW D, vol.87, no.3, 2013 (SCI-Expanded)
- CXCVII. **Measurements of baryon pair decays of χ_{cJ} mesons**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. PHYSICAL REVIEW D, vol.87, no.3, 2013 (SCI-Expanded)
- CXCVIII. **Evidence for $\eta_c \rightarrow \gamma\gamma$ and measurement of $J/\psi \rightarrow 3\gamma$**
Ablikim M., Achasov M. N., Ambrose D. J., An F. F., An Q., An Z. H., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. PHYSICAL REVIEW D, vol.87, no.3, 2013 (SCI-Expanded)
- CXCIX. **Search for η and η' invisible decays in $J/\psi \rightarrow \phi\eta$ and $\phi\eta'$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al. PHYSICAL REVIEW D, vol.87, no.1, 2013 (SCI-Expanded)
- CC. **Measurements of $\psi' \rightarrow (\bar{p}K^0)\Sigma^0$ and $\chi_{cJ} \rightarrow (\bar{p}K^0)\Lambda$**

- Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.87, no.1, 2013 (SCI-Expanded)
- CCI. **Search for hadronic transition $\chi_{cJ} \rightarrow \eta_c \pi \pi$ and observation of $\chi_{cJ} \rightarrow K \overline{\text{bar}} \pi \pi$**
Ablikim M., Achasov M. N., Ambrose D. J., An F. F., An Q., An Z. H., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.87, no.1, 2013 (SCI-Expanded)
- CCII. **Observation of η_c decay into $\Sigma(\Sigma) \overline{\text{bar}}$ and (sic) $\overline{\text{bar}}$ final states**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.87, no.1, 2013 (SCI-Expanded)
- CCIII. **Study of $\psi(3686) \rightarrow \pi^0 \eta_c, \eta_c \rightarrow \gamma \eta_c$ via η_c exclusive decays**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.9, 2012 (SCI-Expanded)
- CCIV. **Precision measurements of branching fractions for $\psi' \rightarrow \pi^0 J/\psi$ and $\eta J/\psi$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.9, 2012 (SCI-Expanded)
- CCV. **Experimental study of ψ' decays to $K^+ K^-$ and $K^+ K^- \eta$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.7, 2012 (SCI-Expanded)
- CCVI. **Observation of $e^+ e^- \rightarrow \eta J/\psi$ at center-of-mass energy $\sqrt{s} = 4.009$ GeV**
Ablikim M., Achasov M. N., Ambrose D. J., An F. F., An Q., An Z. H., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.7, 2012 (SCI-Expanded)
- CCVII. **Measurement of χ_{cJ} decaying into $p(\bar{n}) \overline{\text{bar}} \pi^0$ and $p(\bar{n}) \overline{\text{bar}} \pi^0 \pi^0$**
Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.5, 2012 (SCI-Expanded)
- CCVIII. **Observation of χ_{cJ} decays to $\Lambda(\Lambda) \overline{\text{bar}} \pi^+ \pi^-$**
Ablikim M., Achasov M. N., Ambrose D. J., An F. F., An Q., An Z. H., Bai J. Z., Ban Y., Becker J., Bennett J. V., et al.
PHYSICAL REVIEW D, vol.86, no.5, 2012 (SCI-Expanded)
- CCIX. **First observation of the isospin violating decay $\eta J/\psi \rightarrow \Lambda(\Sigma) \overline{\text{bar}} \pi^0 + \text{c.c.}$**
Ablikim M., Achasov M. N., Ambrose D. J., An F. F., An Q., An Z. H., Bai J. Z., Ban Y., Becker J., Berger N., et al.
PHYSICAL REVIEW D, vol.86, no.3, 2012 (SCI-Expanded)
- CCX. **A Large Hadron Electron Collider at CERN**
Fernandez J. L. A., Adolphsen C., Akay A. N., Aksakal H., Albacete J. L., Alekhin S., Allport P., Andreev V., Appleby R. B., Arian E., et al.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, no.7, 2012 (SCI-Expanded)
- CCXI. **Simulation of displacement damage for silicon avalanche photo-diodes**
KILIÇ A., Pilicer E., Tapan İ., Ozmutlu E. N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1, pp.70-72, 2011 (SCI-Expanded)
- CCXII. **Signal fluctuations in crystal-APD systems**
Kocak F., Tapan İ., Pilicer E.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 2011 (SCI-Expanded)
- CCXIII. **Penning transfer in argon-based gas mixtures**

Sahin Ö., Tapan İ., Ozmutlu E. N., Veenhof R.

JOURNAL OF INSTRUMENTATION, 2010 (SCI-Expanded)

- CCXIV. **PbWO₄ Cherenkov light contribution to Hamamatsu S8148 and zinc sulfide-silicon avalanche photodiodes signals**

Kocak F., Tapan İ.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-3, pp.398-399, 2010 (SCI-Expanded)

- CCXV. **Simulation of spatial and energy resolution in signal for gas proportional detector**

DEMİR N., Tapan İ.

INTERNATIONAL JOURNAL OF THE PHYSICAL SCIENCES, no.7, pp.390-393, 2009 (SCI-Expanded)

- CCXVI. **Multipurpose high sensitivity radiation detector: Terradex**

Alpat B., Aisa D., Bizzarri M., Blasko S., Esposito G., Farnesini L., Fiori E., Papi A., Postolache V., Renzi F., et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.3, pp.479-492, 2007 (SCI-Expanded)

- CCXVII. **Signal fluctuation in neutron-irradiated silicon Avalanche Photodiodes**

Pilicer E., Tapan İ.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-2, pp.291-293, 2007 (SCI-Expanded)

- CCXVIII. **Excess noise in silicon avalanche photodiodes**

Kocak F., Tapan İ.

JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, no.4, pp.810-813, 2007 (SCI-Expanded)

- CCXIX. **Avalanche photodiodes for electromagnetic calorimeters**

Pilicer E., Kocak F., Tapan İ., Ahmetoglu (Afrailov) M.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1, pp.120-121, 2007 (SCI-Expanded)

- CCXX. **A ZnS-Si isotype heterojunction avalanche photodiode structure for scintillation light detection**

Tapan İ., Ahmetoglu(Afrailov) M., Kocak F.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1, pp.268-271, 2006 (SCI-Expanded)

- CCXXI. **Excess noise factor of neutron-irradiated silicon avalanche photodiodes**

Pilicer E., Kocak F., Tapan İ.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-2, pp.146-151, 2005 (SCI-Expanded)

- CCXXII. **Simulation of gain fluctuation for non-uniform field argon-based gas detector**

Tapan İ., Demir N.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-2, pp.53-56, 2004 (SCI-Expanded)

- CCXXIII. **A ZnS-Si hetero-junction photodiode for short wavelength photon detection**

Tapan İ., Afrailov M.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-2, pp.92-96, 2003 (SCI-Expanded)

- CCXXIV. **Simulation of signal generation for silicon avalanche photodiodes (APDs)**

Tapan İ., Gilmore R.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1, pp.247-251, 2000 (SCI-Expanded)

- CCXXV. **Avalanche photodiodes as proportional particle detectors**

Tapan İ., Duell A., Gilmore R., Llewellyn T., Nash S., Tapper R.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.388, no.1-2, pp.79-90, 1997 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Simulation work on calorimetric energy resolution for the TAC-PF Detector**
Tapan İ., KOÇAK F.
15th International Conference on Calorimetry in High Energy Physics (CALOR), Santa Fe, Argentina, 4 - 08 June 2012
- II. **A study on stochastic term of calorimetric energy resolution**
Tapan İ., KOÇAK F.
14th International Conference on Calorimetry in High Energy Physics (CALOR 2010), Beijing, China, 10 - 14 May 2010
- III. **Fluctuations in Avalanche photodiode structure**
KOÇAK F., Tapan İ.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, pp.201-202

Funded Projects

- Tapan İ., Project Supported by Higher Education Institutions, X Işımları ile Yeni Nesil CdTe Yarıiletken Detektörünün Karakterizasyon İncelemeleri, 2014 - 2017
- Tapan İ., Yavaş Ö., Project Supported by Other Official Institutions, CERN CLIC Elektron Pozitron Çarpıştırıcısı Kapsamında Demet Dinamiği ve Demet Demet Etkileşimleri Çalışmaları, 2013 - 2017
- Tapan İ., Project Supported by Public Organizations in Other Countries, BES III "The Beijing Electron Spectrometer, 2012 - 2017
- Tapan İ., Piliçer E., Piliçer F. B., Kılıç A., Koçak F., Project Supported by Higher Education Institutions, SiPM Detektörü ile Enerji ve Zaman Çözünürlüğü Ölçümleri, 2015 - 2016
- Tapan İ., Akay S. K., Peksöz A., Project Supported by Higher Education Institutions, Elektrokimyasal depozisyon yöntemiyle yeni nesil CuxS güneş pili ince filmlerinin üretilmesi, 2015 - 2016
- Tapan İ., Project Supported by Higher Education Institutions, Yeni Nesil Sintilasyon Detektörleri, 2014 - 2016
- Tapan İ., Project Supported by Higher Education Institutions, Yeni nesil Gazlı Detektörlerin Araştırma ve Geliştirme Çalışmaları, 2014 - 2016
- Tapan İ., Kalkan Y., Şahin Ö., Project Supported by Other Official Institutions, CERN de Gazlı Detektörleri Geliştirme Çalışmaları, 2013 - 2016
- Tapan İ., Project Supported by Public Organizations in Other Countries, CERN RD51 "Development of Micro-Pattern Gas Detectors Technologies, 2008 - 2016
- Tapan İ., Yavaş Ö., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Türk Hızlandırıcı Merkezinin Teknik Tasarımı ve Test Laboratuvarlarının Kurulması, 2006 - 2015
- Tapan İ., Yavaş Ö., Project Supported by Other Official Institutions, Demet dinamiği demet teşhisi ve kontrolü teknikleri ve uygulamaları, 2010 - 2013
- Tapan İ., Şahin Ö., Project Supported by Other Official Institutions, CERN RD51 İşbirliği Çerçevesinde Gaz Detektörleri Geliştirme Çalışmaları, 2009 - 2012
- Tapan İ., Sultanov S., Project Supported by Other Official Institutions, Linak LHC bazında ep p eA ve A Çarpıştırıcıları, 2008 - 2011
- Tapan İ., Nergiz Z., Çiftçi A. K., Project Supported by Other Official Institutions, CLIC ve CTF3 Projesi Kapsamında CERN ile Ortak Çalışmalar, 2006 - 2009
- Tapan İ., Alper M., TUBITAK Project, Electrodeposition of Nanostructured Materials and Their Magnetotransport Characterization, 2005 - 2006

Metrics

Publication: 228

Citation (WoS): 10227

Citation (Scopus): 10935

H-Index (WoS): 50

H-Index (Scopus): 53