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International Researcher IDs

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Education Information

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

Published journal articles indexed by 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.
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- 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.
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- 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 $D_s^+ \rightarrow \omega\pi^+ D_s^+ \rightarrow \omega K^+$ and evidence for $D_s^+ \rightarrow \omega K^+$**
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 $J/\psi \rightarrow \Lambda_c^+ e^- + c.c.$**
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.
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- 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 $D^0 \rightarrow K^-\ell^+\nu_{\ell}$ 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.
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- 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.
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- 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 $K^+ \bar{K}^0 + c.c.$ 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 $e^+ e^- e^+ e^- \rightarrow D(\bar{D})$ 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 $\eta' \rightarrow \gamma \pi^+ \pi^- \pi^+ \pi^-$ 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 $D^0 \rightarrow \pi^0 \pi^0 \pi^0$, $\pi^0 \pi^0 \pi^0 \eta$, $\pi^0 \pi^0 \eta \eta$ 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 $D^+ \rightarrow \eta^+ e^+ e^-$ (η^+) over-bar $v e$**
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 $D \rightarrow h(\bar{h}) e^+ e^- + \text{c.c.}$**
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 $e^+ e^- \rightarrow K \bar{K}^* J/\psi$ 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 $\Sigma_c^0(\bar{\Sigma}_c^0)$ 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 $D^* \rightarrow \pi D_s^0$**
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.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 $J/\psi \rightarrow K^*K^*_{L}$ 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.
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- 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**
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- LXVII. **Measurement of integrated luminosity and center-of-mass energy of data taken by BESIII at $\sqrt{s}=2.125$ GeV**
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- LXVIII. **Observation of the decay $\Lambda_c^+ \rightarrow \Sigma^+ \pi^- \pi^+ \pi^0$**
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- LXIX. **Measurement of branching fractions for $\psi(3686) \rightarrow \gamma\eta'$, $\gamma\eta$, and $\gamma\pi^0$**
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- LXX. **Evidence for $e^+e^- \rightarrow \gamma\eta_c$ ($1S$) at center-of-mass energies between 4.01 and 4.60 GeV**
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- LXXI. **Determination of the Spin and Parity of the $Z_c(3900)$**
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- LXXII. **Branching fraction measurements of $\psi(3686) \rightarrow \gamma\chi_{cJ}$**
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- 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**
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- 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**
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- LXXV. **Study of J/ψ and $\psi(3686) \rightarrow \Sigma(1385)^0 \bar{\Sigma}(1385)^0$**

and Ξ^0 (Ξ) $\bar{0}$

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

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

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

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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.

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

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

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.

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

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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 $\eta_{cc}(2S) \rightarrow \gamma J/\psi$**

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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**

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

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

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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.

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

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

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

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

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- XCVII. **Measurements of the absolute branching fractions for $D_{s^*} \rightarrow \eta e \nu_e$ and $D_{s^*} \rightarrow \eta' e \nu_e$**
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- XCVIII. **Measurement of Singly Cabibbo Suppressed Decays $\Lambda_c \rightarrow p \pi \pi^-$ and $\Lambda_c \rightarrow p K^-$**
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- XCIX. **Measurement of the absolute branching fraction of $D \rightarrow (K)_{\text{over-bar}} e \nu_e$ via $(K)_{\text{over-bar}} \pi^0$**
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- CII. **Tracking parameter simulation for the Turkish accelerator center particle factory tracker system**
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- CIII. **Observation of $e^+e^- \rightarrow \eta' J/\psi$ center-of-mass energies between 4.189 and 4.600 GeV**
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- CIV. **Study of $D \rightarrow K^- \pi^+ e \nu_e$**
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- CV. **Observation of an Anomalous Line Shape of the $\eta' \pi^+ \pi^-$ Mass Spectrum near the $p(p)_{\text{over-bar}}$ Mass Threshold in $J/\psi \rightarrow \gamma \eta' \pi^+ \pi^-$**
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- CVI. **Observation of h_c Radiative Decay $h_c \rightarrow \gamma \eta'$ and Evidence for $h_c \rightarrow \gamma \eta$**
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- CVIII. **Measurements of the center-of-mass energies at BESIII via the di-muon process**
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- CX. **Study of ψ decays to the $\Xi(\bar{\Xi})$ and $\Sigma(1385)(\bar{\Sigma})$ final states**
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- CXI. **Investigation of Shot Noise in Avalanche Photodiodes**
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- CXIII. **Search for a light CP -odd Higgs boson in radiative decays of J/ψ**
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- CXIV. **Observation of the Singly Cabibbo-Suppressed Decay $D^+ \rightarrow \omega \pi^+$ and Evidence for $D^0 \rightarrow \omega \pi^0$**
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- CXV. **Measurement of the branching fraction for $\psi(3770) \rightarrow \gamma \chi_{c0}$**
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- CXVI. **Measurement of the $e^+e^- \rightarrow \pi^+\pi^-$ cross section between 600 and 900 MeV using initial state radiation**
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- CXVII. **Measurements of Absolute Hadronic Branching Fractions of the Λ_c^+ Baryon**
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- CXVIII. **Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production in e^+e^- Annihilations at $\sqrt{s}=3.65$ GeV**
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- CXIX. **Observation of $e^+e^- \rightarrow \omega \chi_{c1,2}$ near $\sqrt{s}=4.42$ and 4.6 GeV**
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- CXXI. **Improved measurement of the absolute branching fraction of $D^+ \rightarrow (K^0)_{\mu} \mu^+ \nu_{\mu}$**
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- CXXII. **Study of decay dynamics and CP asymmetry in $D^+ \rightarrow$**

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

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CXXXVI. Confirmation of a charged charmoniumlike state $Z_c(3885)^{\mp}$ in $e^+ e^- \rightarrow \pi^{\pm} (D^*)^{\mp}$ with double D tag

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CXXXVII. Observation of a Neutral Charmoniumlike State $Z_c(4025)^0$ in $e^+ e^- \rightarrow (D^*)^0 \pi^0$

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

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

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

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

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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

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

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

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CXXXVI. **Observation of the $\Psi(13000)$ State in $e^+e^- \rightarrow \pi^+\pi^-\chi_{c1}$ at BESIII**

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

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

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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**

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

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

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

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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

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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

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

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- CLXI. **Study of $e^+e^- \rightarrow p(\bar{p})$ in the vicinity of $\psi(3770)$**
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- CLXIII. **Observation of $\eta' \rightarrow \pi^+\pi^-\pi^+\pi^-$ and $\eta' \rightarrow \pi^+\pi^-\pi^0\pi^0$**
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- CLXIX. **Observation of a Charged Charmoniumlike Structure in $e^+e^- \rightarrow (D^*(\bar{D}^*)_{\pm}\pi^{\mp})$ at $\sqrt{s}=4.26$ GeV**
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- CLXXI. **Amplitude analysis of the $D^+ \rightarrow K^0 S\pi^+ \pi^-$ Dalitz plot**
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- CXCVI. **Search for η and $\eta' \rightarrow \pi^+e^-\pi^-v(\bar{v})e^+$ + c.c. decays in $J/\psi \rightarrow \phi\eta$ and $\phi\eta'$**
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