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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1980 - 1984

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1974 - 1980

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1970 - 1974

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, General non-linear realization of chiral $SU(2) \times SU(2)$ symmetry in curved isospin space , Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1984

Postgraduate, Breit's potential for fermions with anomalous (chromomagnetic) magnetic moment, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1980

Research Areas

Physics, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1999 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1998 - 1999

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1987 - 1998

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1979 - 1987

Advising Theses

SAVCI M., Light cone QCD sum rules and meson physics, Doctorate, İ.KANIK(Student), 2008
SAVCI M., Model independent analysis of rare, exclusive b-meson decays, Doctorate, M.Kerim(Student), 2004
SAVCI M., Model independent analysis of rare exclusive B-meson decays, Doctorate, M.KERİM(Student), 2004
SAVCI M., Application of light cone QCD sum rules to hadron physics, Doctorate, A.ÖZPİNECİ(Student), 2001
SAVCI M., Rare semileptonic B-z+z- and B-Sz+z- decays in the standard model, Postgraduate, M.KERİM(Student), 1999
SAVCI M., Properties of the Bc mesons in QCD, Postgraduate, U.SERİNCAN(Student), 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The study of weak decays induced by [Formula presented] transition in light-cone sum rules**
ALIYEV T., BİLMİŞ S., SAVCI M.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.847, 2023 (SCI-Expanded)
- II. **Looking for heavy axial tensor mesons via their strong decays in light cone QCD**
Aliyev T., Bilmis S., Çiftci R. A., Savci M.
Physical Review D, vol.107, no.5, 2023 (SCI-Expanded)
- III. **Charmed baryon $\omega_c^0 \rightarrow \omega^- l^+ \nu_l$ and $\omega_c^0 \rightarrow \omega^- \pi^+ (\rho^+)$ decays in light cone sum rules**
Aliyev T., Savci M., Bilmis S.
Physical Review D, vol.106, no.7, 2022 (SCI-Expanded)
- IV. **Weak Xi (QQ) \rightarrow Sigma(Q)l(+)l(-) decays induced by FCNC in QCD**
ALIYEV T., Savci M., BİLMİŞ S.
EUROPEAN PHYSICAL JOURNAL C, vol.82, no.10, 2022 (SCI-Expanded)
- V. **Analysis of FCNC $\Xi_{QQ} \rightarrow \Lambda_{Ql} l^+ l^-$ decay in light-cone sum rules**
ALIYEV T., SAVCI M., BİLMİŞ S.
Physical Review D, vol.106, no.3, 2022 (SCI-Expanded)
- VI. **Determination of the spectroscopic parameters of beauty-partners of Tcc from QCD**
ALIYEV T., SAVCI M., BİLMİŞ S.
Physical Review D, vol.105, no.7, 2022 (SCI-Expanded)
- VII. **Light-cone sum rules for radial excitation of decuplet to octet baryons electromagnetic transition form factors**
ALIYEV T., BİLMİŞ S., Savci M.
MODERN PHYSICS LETTERS A, vol.36, no.34, 2021 (SCI-Expanded)
- VIII. **Semileptonic baryon decays in the light cone QCD sum rules**
ALIYEV T., BİLMİŞ S., SAVCI M.
Physical Review D, vol.104, no.5, 2021 (SCI-Expanded)
- IX. **$\gamma^* N \rightarrow \Delta^+ (1600)$ transition form factors in light-cone sum rules**
Aliev T., Barakat T., Bilmis S., Savci M.
Physical Review D, vol.101, no.11, 2020 (SCI-Expanded)
- X. **Multipole moments of heavy vector and axial-vector mesons in QCD**
Aliev T., Bilmis S., Savci M.
Physical Review D, vol.101, no.5, 2020 (SCI-Expanded)
- XI. **Are the new excited ω_c baryons negative parity states?**
Aliev T., Bilmis S., Savci M.
Modern Physics Letters A, vol.35, no.1, 2020 (SCI-Expanded)
- XII. **Radiative decays of the p-wave charmed heavy baryons**
Aliev T., Barakat T., Savci M.
EUROPEAN PHYSICAL JOURNAL C, vol.79, no.5, 2019 (SCI-Expanded)
- XIII. **Study of the Lambda(b) \rightarrow N*l(+)l(-) decay in light cone sum rules**
Aliev T., Barakat T., Savci M.
EUROPEAN PHYSICAL JOURNAL C, vol.79, no.5, 2019 (SCI-Expanded)
- XIV. **Radiative decays of the heavy tensor mesons in light cone QCD sum rules**

- ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.99, no.1, 2019 (SCI-Expanded)
- XV. **Form factors for the rare $\Lambda(b)(\Lambda^*(b)) \rightarrow Nl^{(+)}l^{(-)}$ decays in light cone QCD sum rules**
Alyev T., Barakat T., Savci M.
PHYSICAL REVIEW D, vol.98, 2018 (SCI-Expanded)
- XVI. **Magnetic dipole moments of the negative parity $J(PC)=2^{--}$ mesons in QCD**
Alyev T., Barakat T., Savci M.
EUROPEAN PHYSICAL JOURNAL C, vol.78, 2018 (SCI-Expanded)
- XVII. **Reanalysis of $\Omega(c) \rightarrow \Xi K^{+}(c)$ - Decay in QCD**
ALIYEV T., BİLMİŞ S., SAVCI M.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2018, 2018 (SCI-Expanded)
- XVIII. **Strong coupling constant of a negative parity nucleon with a pi meson in light-cone QCD sum rules**
ALIYEV T., Barakat T., SAVCI M.
PHYSICAL REVIEW C, vol.95, no.3, 2017 (SCI-Expanded)
- XIX. **Magnetic moment of the X-Q state with $J(PC)=1^{++/-}$ in light cone QCD sumrules**
Agamaliyev A. K., ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.95, no.3, 2017 (SCI-Expanded)
- XX. **Radiative decays of negative parity heavy baryons in the framework of the light cone QCD sum rules**
Agamaliyev A. K., ALIYEV T., SAVCI M.
NUCLEAR PHYSICS A, vol.958, pp.38-47, 2017 (SCI-Expanded)
- XXI. **Strong Coupling Constants of Negative Parity Heavy Baryons with pi and K Mesons**
ALIYEV T., BİLMİŞ S., SAVCI M.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2017, 2017 (SCI-Expanded)
- XXII. **Strong coupling constant of negative parity octet baryons with light pseudoscalar mesons in light cone QCD sum rules**
ALIYEV T., SAVCI M.
NUCLEAR PHYSICS A, vol.957, pp.391-405, 2017 (SCI-Expanded)
- XXIII. **Determination of the Sigma-Lambda mixing angle from QCD sum rules**
ALIYEV T., Barakat T., SAVCI M.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.8, 2016 (SCI-Expanded)
- XXIV. **Magnetic moment for the negative parity $\Lambda \rightarrow \Sigma(0)$ transition in light cone QCD sum rules**
ALIYEV T., SAVCI M.
PHYSICS LETTERS B, vol.758, pp.347-354, 2016 (SCI-Expanded)
- XXV. **Strong decay constants of heavy tensor mesons in light cone QCD sum rules**
Alhendi H. A., ALIYEV T., SAVCI M.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.4, 2016 (SCI-Expanded)
- XXVI. **Analysis of the radiative decays $\Sigma(Q) \rightarrow \Lambda(Q)\gamma$ and $\Xi'(Q) \rightarrow \Xi(Q)\gamma$ in light cone sum rules**
ALIYEV T., Barakat T., SAVCI M.
PHYSICAL REVIEW D, vol.93, no.5, 2016 (SCI-Expanded)
- XXVII. **Magnetic dipole moments of the heavy tensor mesons in QCD**
ALIYEV T., Barakat T., SAVCI M.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.11, 2015 (SCI-Expanded)
- XXVIII. **Diagonal and transition magnetic moments of negative parity heavy baryons in QCD sum rules**
ALIYEV T., AZİZİ K., Barakat T., SAVCI M.
PHYSICAL REVIEW D, vol.92, no.3, 2015 (SCI-Expanded)
- XXIX. **Magnetic moments of heavy $J(P)=1/2^{+}$ baryons in light cone QCD sum rules**
ALIYEV T., Barakat T., SAVCI M.
PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)
- XXX. **Determination of the mixing angle between new charmonium states**
ALIYEV T., SAVCI M.

- EUROPEAN PHYSICAL JOURNAL C, vol.75, no.4, 2015 (SCI-Expanded)
- XXXI. **More about the Mass of the New Charmonium States**
Aliiev T., ÖZŞAHİN H., SAVCI M.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2015, 2015 (SCI-Expanded)
- XXXII. **Magnetic moments of $J(P)=3/2$ -baryons in QCD**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.90, no.11, 2014 (SCI-Expanded)
- XXXIII. **$\gamma^*N \rightarrow N^*(1520)$ transition form factors in light cone QCD sum rules**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.90, no.9, 2014 (SCI-Expanded)
- XXXIV. **Octet negative parity to octet positive parity electromagnetic transitions in light cone QCD**
ALIYEV T., SAVCI M.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.41, no.7, 2014 (SCI-Expanded)
- XXXV. **Properties of triply heavy spin-3/2 baryons**
ALIYEV T., AZİZİ K., SAVCI M.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.41, no.6, 2014 (SCI-Expanded)
- XXXVI. **Magnetic moments of $\Xi'(Q)-\Xi(Q)$ transitions in light cone QCD**
ALIYEV T., AZİZİ K., SAVCI M.
PHYSICAL REVIEW D, vol.89, no.5, 2014 (SCI-Expanded)
- XXXVII. **Magnetic moments of negative parity baryons in QCD**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.89, no.5, 2014 (SCI-Expanded)
- XXXVIII. **$\gamma^*N \rightarrow N(1535)$ transition form factors in QCD**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.88, no.5, 2013 (SCI-Expanded)
- XXXIX. **Electromagnetic transitions among octet and decuplet baryons in QCD**
ALIYEV T., ÖKTEM Y., SAVCI M.
PHYSICAL REVIEW D, vol.88, no.3, 2013 (SCI-Expanded)
- XL. **Electromagnetic form factors of octet baryons in QCD**
ALIYEV T., AZİZİ K., SAVCI M.
PHYSICS LETTERS B, vol.723, pp.145-155, 2013 (SCI-Expanded)
- XLI. **The masses and residues of doubly heavy spin-3/2 baryons**
ALIYEV T., AZİZİ K., SAVCI M.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.40, no.6, 2013 (SCI-Expanded)
- XLII. **Analysis of $\gamma^* \Lambda \rightarrow \Sigma(0)$ transition in QCD**
ALIYEV T., AZİZİ K., SAVCI M.
PHYSICAL REVIEW D, vol.87, no.9, 2013 (SCI-Expanded)
- XLIII. **Masses and residues of the triply heavy spin-1/2 baryons**
ALIYEV T., AZİZİ K., SAVCI M.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2013, no.4, 2013 (SCI-Expanded)
- XLIV. **Lepton polarization effects in $\Lambda(b) \rightarrow \Lambda l^{(+)}l^{(-)}$ decay in family non-universal Z' model**
ALIYEV T., SAVCI M.
PHYSICS LETTERS B, vol.718, no.2, pp.566-572, 2012 (SCI-Expanded)
- XLV. **Doubly heavy spin-1/2 baryon spectrum in QCD**
ALIYEV T., AZİZİ K., SAVCI M.
NUCLEAR PHYSICS A, vol.895, pp.59-70, 2012 (SCI-Expanded)
- XLVI. **Analysis of $\Lambda(b) \rightarrow \Lambda l^{(+)}l^{(-)}$ decay within family non-universal Z' model**
ALIYEV T., SAVCI M.
NUCLEAR PHYSICS B, vol.863, no.2, pp.398-409, 2012 (SCI-Expanded)
- XLVII. **Mixing angle of doubly heavy baryons in QCD**

- ALIYEV T., AZIZI K., SAVCI M.
PHYSICS LETTERS B, vol.715, pp.149-151, 2012 (SCI-Expanded)
- XLVIII. **VECTOR MESON DOMINANCE AND RADIATIVE DECAYS OF HEAVY SPIN-3/2 BARYONS TO HEAVY SPIN-1/2 BARYONS**
ALIYEV T., SAVCI M., Zamiralov V. S.
MODERN PHYSICS LETTERS A, vol.27, no.11, 2012 (SCI-Expanded)
- XLIX. **B \rightarrow K(2)1(+)-1(-) decay beyond the standard model**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.85, no.1, 2012 (SCI-Expanded)
- L. **Strong coupling constants of heavy spin-3/2 baryons with light pseudoscalar mesons**
ALIYEV T., AZIZI K., SAVCI M.
NUCLEAR PHYSICS A, vol.870-871, no.1, pp.58-71, 2011 (SCI-Expanded)
- LI. **Nucleon tensor form factors induced by isovector and isoscalar currents in QCD**
ALIYEV T., AZIZI K., SAVCI M.
PHYSICAL REVIEW D, vol.84, no.7, 2011 (SCI-Expanded)
- LII. **Vertices of the heavy spin-3/2 sextet baryons with light vector mesons in QCD**
ALIYEV T., AZIZI K., SAVCI M.
EUROPEAN PHYSICAL JOURNAL A, vol.47, no.10, 2011 (SCI-Expanded)
- LIII. **Spin-3/2 to spin-1/2 heavy baryons and pseudoscalar mesons transitions in QCD**
ALIYEV T., AZIZI K., SAVCI M.
EUROPEAN PHYSICAL JOURNAL C, vol.71, no.6, 2011 (SCI-Expanded)
- LIV. **Tensor form factors of B \rightarrow K-1 transition from QCD light cone sum rules**
ALIYEV T., SAVCI M., Yang K.
PHYSICS LETTERS B, vol.700, no.1, pp.55-64, 2011 (SCI-Expanded)
- LV. **Analysis of heavy spin-3/2 baryon-heavy spin-1/2 baryon-light vector meson vertices in QCD**
ALIYEV T., AZIZI K., SAVCI M., Zamiralov V. S.
PHYSICAL REVIEW D, vol.83, no.9, 2011 (SCI-Expanded)
- LVI. **Heavy baryon-light vector meson couplings in QCD**
ALIYEV T., AZIZI K., SAVCI M.
NUCLEAR PHYSICS A, vol.852, no.1, pp.141-154, 2011 (SCI-Expanded)
- LVII. **Strong coupling constants of light pseudoscalar mesons with heavy baryons in QCD**
ALIYEV T., AZIZI K., SAVCI M.
PHYSICS LETTERS B, vol.696, no.3, pp.220-226, 2011 (SCI-Expanded)
- LVIII. **Strong transitions of decuplet to octet baryons and pseudoscalar mesons**
Aliev T., AZIZI K., SAVCI M.
NUCLEAR PHYSICS A, vol.847, pp.101-117, 2010 (SCI-Expanded)
- LIX. **Strong coupling constants of decuplet baryons with vector mesons**
Aliev T., AZIZI K., SAVCI M.
PHYSICAL REVIEW D, vol.82, no.9, 2010 (SCI-Expanded)
- LX. **Magnetic dipole moment of the light tensor mesons in light cone QCD sum rules**
ALIYEV T., AZIZI K., SAVCI M.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.7, 2010 (SCI-Expanded)
- LXI. **Heavy chi(Q) (2) tensor mesons in QCD**
ALIYEV T., AZIZI K., SAVCI M.
PHYSICS LETTERS B, vol.690, no.2, pp.164-167, 2010 (SCI-Expanded)
- LXII. **Semileptonic decays of pseudoscalar mesons to the scalar f(0) meson**
ALIYEV T., SAVCI M.
EPL, vol.90, no.6, 2010 (SCI-Expanded)
- LXIII. **Analysis of the Lambda b \rightarrow Lambda l(+)-l(-) decay in QCD**
ALIYEV T., AZIZI K., SAVCI M.
PHYSICAL REVIEW D, vol.81, no.5, 2010 (SCI-Expanded)

- LXIV. **Light vector meson octet-decuplet baryon vertices in QCD**
 ALIYEV T., ÖZPİNECİ A., SAVCI M., Zamiralov V. S.
 PHYSICAL REVIEW D, vol.81, no.5, 2010 (SCI-Expanded)
- LXV. **Electric quadrupole and magnetic octupole moments of the light decuplet baryons within light cone QCD sum rules**
 ALIYEV T., AZİZİ K., SAVCI M.
 PHYSICS LETTERS B, vol.681, no.3, pp.240-246, 2009 (SCI-Expanded)
- LXVI. **Pseudoscalar-meson decuplet-baryon coupling constants in light cone QCD**
 ALIYEV T., AZİZİ K., ÖZPİNECİ A., SAVCI M.
 PHYSICAL REVIEW D, vol.80, no.9, 2009 (SCI-Expanded)
- LXVII. **Magnetic and quadrupole moments of light spin-1 mesons in light cone QCD sum rules**
 ALIYEV T., ÖZPİNECİ A., SAVCI M.
 PHYSICS LETTERS B, vol.678, no.5, pp.470-476, 2009 (SCI-Expanded)
- LXVIII. **Vector meson-baryon strong coupling constants in light cone QCD sum rules**
 Aliev T., ÖZPİNECİ A., SAVCI M., Zamiralov V. S.
 PHYSICAL REVIEW D, vol.80, no.1, 2009 (SCI-Expanded)
- LXIX. **Unparticle effects in rare $t \rightarrow cgg$ decay**
 Aliev T., BEKMEZCİ A., SAVCI M.
 PHYSICAL REVIEW D, vol.78, no.5, 2008 (SCI-Expanded)
- LXX. **Nucleon electromagnetic form factors in QCD**
 Aliev T., Azizi K., ÖZPİNECİ A., SAVCI M.
 PHYSICAL REVIEW D, vol.77, no.11, 2008 (SCI-Expanded)
- LXXI. **Analysis of rare $B \rightarrow K-0(*)l(+)l(-)$ decay within QCD sum rules**
 Aliev T., Azizi K., SAVCI M.
 PHYSICAL REVIEW D, vol.76, no.7, 2007 (SCI-Expanded)
- LXXII. **Double-lepton polarization asymmetries in $\Lambda(b) \rightarrow \Lambda l(+)l(-)$ decay in universal extra dimension model**
 Aliev T., Savci M., Sirvanli B. B.
 EUROPEAN PHYSICAL JOURNAL C, vol.52, no.2, pp.375-382, 2007 (SCI-Expanded)
- LXXIII. **$\Lambda(b) \rightarrow \Lambda l(+)l(-)$ decay in universal extra dimensions**
 Aliev T., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.50, no.1, pp.91-99, 2007 (SCI-Expanded)
- LXXIV. **Scalar form factor of the nucleon and nucleon-scalar meson coupling constant in QCD**
 Aliev T., Savci M.
 PHYSICAL REVIEW D, vol.75, no.4, 2007 (SCI-Expanded)
- LXXV. **Possible manifestation of new scalar interaction in P-odd asymmetries in $\Lambda(b) \rightarrow \Lambda l(+)l(-)$ decay**
 Aliev T., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.48, no.1, pp.117-123, 2006 (SCI-Expanded)
- LXXVI. **Analysis of the semileptonic $B-c \rightarrow B(u)l(+)l(-)$ decay from QCD sum rules**
 Aliev T., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.47, no.2, pp.413-421, 2006 (SCI-Expanded)
- LXXVII. **Analysis of exclusive $B-s \rightarrow D-s_0(2317)l(\nu)\bar{l}(\bar{\nu})$ decay with QCD sum rules**
 Aliev T., Savci M.
 PHYSICAL REVIEW D, vol.73, no.11, 2006 (SCI-Expanded)
- LXXVIII. **Polarization effects in exclusive semileptonic $\Lambda(b) \rightarrow \Lambda l(+)l(-)$**
 Aliev T., Savci M.
 JOURNAL OF HIGH ENERGY PHYSICS, no.5, 2006 (SCI-Expanded)
- LXXIX. **Exclusive $B \rightarrow \rho l(+)l(-)$ decay and polarized lepton pair forward-backward asymmetries**
 Aliev T., Bashiry V., Savci M.
 PHYSICAL REVIEW D, vol.73, no.3, 2006 (SCI-Expanded)

- LXXX. **Double-lepton polarization asymmetries in the exclusive $B \rightarrow \rho l^+ l^-$ decay beyond the standard model**
 Aliev T., Bashiry V., Savci M.
 PHYSICAL REVIEW D, vol.72, no.3, 2005 (SCI-Expanded)
- LXXXI. **Polarized forward-backward asymmetries of leptons in $B_s \rightarrow l^+ l^- \gamma$ decay**
 Alieva T., Bashiry V., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.40, no.4, pp.505-514, 2005 (SCI-Expanded)
- LXXXII. **Forward-backward asymmetries in $\Lambda(b) \rightarrow \Lambda l^+ l^-$ decay beyond the standard model**
 Aliev T., Bashiry V., Savci M.
 NUCLEAR PHYSICS B, vol.709, pp.115-140, 2005 (SCI-Expanded)
- LXXXIII. **Double-lepton polarizations in $B \rightarrow l^+ l^- \gamma$ decay**
 Aliev T., Bashiry V., Savci M.
 PHYSICAL REVIEW D, vol.71, no.3, 2005 (SCI-Expanded)
- LXXXIV. **Double-lepton polarization asymmetries in $\Lambda(b) \rightarrow \Lambda l^+ l^-$ decay**
 Aliev T., Bashiry V., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.38, no.3, pp.283-295, 2004 (SCI-Expanded)
- LXXXV. **Form factors of $D_s^+ \rightarrow \phi l \bar{\nu}$ decay in QCD light cone sum rule**
 Aliev T., Ozpineci A., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.38, no.1, pp.85-91, 2004 (SCI-Expanded)
- LXXXVI. **Electromagnetic form factors of the ρ meson in light cone QCD sum rules**
 Aliev T., Savci M.
 PHYSICAL REVIEW D, vol.70, no.9, 2004 (SCI-Expanded)
- LXXXVII. **Double-lepton polarization asymmetries in the $B \rightarrow K l^+ l^-$ decay beyond the standard model**
 Aliev T., Bashiry V., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.35, no.2, pp.197-206, 2004 (SCI-Expanded)
- LXXXVIII. **Polarized lepton pair forward-backward asymmetries in $B \rightarrow K^* l^+ l^-$ decay beyond the standard model**
 Aliev T., Bashiry V., Savci M.
 JOURNAL OF HIGH ENERGY PHYSICS, vol.8, no.5, pp.835-859, 2004 (SCI-Expanded)
- LXXXIX. **General analysis of CP-violation in polarized $b \rightarrow d l^+ l^-$ decay**
 Aliev T., Bashiry V., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.31, no.4, pp.511-523, 2003 (SCI-Expanded)
- XC. **$\phi \rightarrow KK$ decay in light cone QCD**
 Aliev T., Kanik I., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.31, no.2, pp.197-201, 2003 (SCI-Expanded)
- XCI. **Magnetic moment of the ρ meson in QCD light cone sum rules**
 Aliev T., Kanik I., Savci M.
 PHYSICAL REVIEW D, vol.68, no.5, 2003 (SCI-Expanded)
- XCII. **Form factor for penguin-induced $B \rightarrow \eta$ transition in light cone QCD sum rule**
 Aliev T., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.29, no.4, pp.515-519, 2003 (SCI-Expanded)
- XCIII. **Fourth generation effects in processes induced by the $b \rightarrow s$ transition**
 Aliev T., Ozpineci A., Savci M.
 EUROPEAN PHYSICAL JOURNAL C, vol.29, no.2, pp.265-270, 2003 (SCI-Expanded)
- XCIV. **Model independent analysis of Λ baryon polarizations in $\Lambda(b) \rightarrow \Lambda l^+ l^-$ decay**
 Aliev T., Ozpineci A., Savci M.
 PHYSICAL REVIEW D, vol.67, no.3, 2003 (SCI-Expanded)
- XCv. **Exclusive $\Lambda(b) \rightarrow \Lambda l^+ l^-$ decay beyond standard model**
 Aliev T., Ozpineci A., Savci M.
 NUCLEAR PHYSICS B, vol.649, pp.168-188, 2003 (SCI-Expanded)
- XCvi. **T-odd correlations in $B \rightarrow K^* l^+ l^-$ decay beyond the standard model**

- Aliev T., Ozpineci A., Savci M., Yuce C.
PHYSICAL REVIEW D, vol.66, no.11, 2002 (SCI-Expanded)
- XCVII. **T violation in Lambda b \rightarrow Lambda l(+)l(-) decay beyond standard model**
Aliev T., Ozpineci A., Savci M., Yuce C.
PHYSICS LETTERS B, vol.542, pp.229-238, 2002 (SCI-Expanded)
- XCVIII. **Octet baryon magnetic moments in light cone QCD sum rules**
Aliev T., Ozpineci A., Savci M.
PHYSICAL REVIEW D, vol.66, no.1, 2002 (SCI-Expanded)
- XCIX. **New physics effects in Lambda(b) \rightarrow Lambda l(+)l(-) decay with lepton polarizations**
Aliev T., Ozpineci A., Savci M.
PHYSICAL REVIEW D, vol.65, no.11, 2002 (SCI-Expanded)
- C. **Magnetic moments of Lambda(b) and Lambda(c) baryons in light cone QCD sum rules**
Aliev T., Ozpineci A., Savci M.
PHYSICAL REVIEW D, vol.65, no.5, 2002 (SCI-Expanded)
- CI. **Radiative phi \rightarrow f(0)(980)gamma decay in light cone QCD sum rules**
Aliev T., Ozpineci A., Savci M.
PHYSICS LETTERS B, vol.527, pp.193-198, 2002 (SCI-Expanded)
- CII. **General analysis of time evolution of decay spectrum in B-0 \rightarrow pi(+)pi(-)l(+)l(-)**
Aliev T., Ozpineci A., Savci M.
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