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Research Areas

Physics, Basic Particles and Areas, General Theory of Particles and Fields, Special reactions and phenomenology, Special theories and interaction models, particle systematics, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1992 - Continues

Advising Theses

ALIYEV T., Properties of charmoniumlike states, Postgraduate, H.ÖZŞAHİN(Student), 2015

ALIYEV T., CP-violating effects in b decays beyond the standard model, Doctorate, V.Bashiry(Student), 2005

ALIYEV T., Rare z decays and noncommutative theories, Doctorate, C.Yüce(Student), 2004

ALIYEV T., Rare B-meson decays in the non-standard perspective, Doctorate, G.Turan(Student), 1994

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of strong decays of $\langle i \rangle SU(3) \langle /i \rangle$ partners of $\Omega(2012)$ baryon**
Aliiev T., BİLMİŞ S., Savci M.
CHINESE PHYSICS C, vol.48, no.8, 2024 (SCI-Expanded)
- II. **QCD sum rule study of $\langle i \rangle J \langle /i \rangle \langle SUP \rangle \langle i \rangle P \langle /i \rangle \langle /SUP \rangle = 1 \langle SUP \rangle \pm \langle /SUP \rangle$ exotic states with two heavy quarks in the molecular picture**
Aliyev T., Bilmis S., Savcı M.
CHINESE PHYSICS C, vol.48, no.6, 2024 (SCI-Expanded)
- III. **Reanalysis of rare radiative $\langle i \rangle \Xi_b^- \rightarrow \Xi^- \gamma \langle /i \rangle$ decay in QCD**
ALIYEV T., ÖZPİNECİ A., Sarac Y.
Physical Review D, vol.109, no.5, 2024 (SCI-Expanded)
- IV. **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)

- V. **Radiative decays of the spin- 3/2 to spin- 1/2 doubly heavy baryons in QCD**
 Aliyev T, Aşkan E, Özpıncı A.
 Physical Review D, vol.108, no.5, 2023 (SCI-Expanded)
- VI. **Analysis of the light JP=3- mesons in QCD sum rules**
 Aliyev T, Bilmis S, Savci M.
 Physical Review D, vol.108, no.3, 2023 (SCI-Expanded)
- VII. **Constraining nonminimal dark sector scenarios with the COHERENT neutrino scattering data**
 ELPE A, Akyumuk E., ALIYEV T., SELBUZ L., TURAN İ.
 Physical Review D, vol.107, no.7, 2023 (SCI-Expanded)
- VIII. **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)
- IX. **Weak Xi (QQ) -> 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)
- X. **Charmed baryon $\omega c 0 \rightarrow \omega - l + \nu l$ and $\omega c 0 \rightarrow \omega c - \pi + (\rho +)$ decays in light cone sum rules**
 Aliyev T, Savci M., Bilmis S.
 Physical Review D, vol.106, no.7, 2022 (SCI-Expanded)
- XI. **Analysis of FCNC $\Xi q Q \rightarrow \Lambda q l + l -$ decay in light-cone sum rules**
 ALIYEV T, SAVCI M., BİLMİŞ S.
 Physical Review D, vol.106, no.3, 2022 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **Strong coupling constants of charmed and bottom mesons with light vector mesons in QCD sum rules**
 ALIYEV T, Şimşek K.
 Physical Review D, vol.104, no.7, 2021 (SCI-Expanded)
- XV. **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)
- XVI. **Strong $BQQ' * BQQ' V$ vertices and the radiative decays of $BQQ * \rightarrow BQQ \gamma$ in the light-cone sum rules**
 ALIYEV T, Barakat T., Şimşek K.
 European Physical Journal A, vol.57, no.5, 2021 (SCI-Expanded)
- XVII. **Strong vertices of doubly heavy spin- 3/2 -spin- 1/2 baryons with light mesons in light-cone QCD sum rules**
 ALIYEV T, Şimşek K.
 Physical Review D, vol.103, no.5, 2021 (SCI-Expanded)
- XVIII. **Gravitational formfactors of the rho, pi, and K mesons in the light-cone QCD sum rules**
 Aliev T., Barakat T., Simsek K.
 PHYSICAL REVIEW D, vol.103, no.5, 2021 (SCI-Expanded)
- XIX. **Strong coupling constants of doubly heavy baryons with vector mesons in QCD**
 Aliev T., Simsek K.
 EUROPEAN PHYSICAL JOURNAL C, vol.80, no.10, 2020 (SCI-Expanded)
- XX. **Determination of the strong vertices of doubly heavy baryons with pseudoscalar mesons in QCD**
 Alrebdi H., Aliev T., Simsek K.
 PHYSICAL REVIEW D, vol.102, no.7, 2020 (SCI-Expanded)

- XXI. **$\gamma^*N \rightarrow \Delta^+$ (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)
- XXII. **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)
- XXIII. **Are the new excited ωc baryons negative parity states?**
Aliev T., Bilmis S., Savci M.
Modern Physics Letters A, vol.35, no.1, 2020 (SCI-Expanded)
- XXIV. **$B \rightarrow T$ transition form factors in light-cone sum rules**
Aliev T., Dag H., Kokulu A., ÖZPİNECİ A.
PHYSICAL REVIEW D, vol.100, no.9, 2019 (SCI-Expanded)
- XXV. **Properties of excited B-c states in QCD**
Aliev T., Barakat T., BİLMİŞ S.
NUCLEAR PHYSICS B, vol.947, 2019 (SCI-Expanded)
- XXVI. **$N^*(1535) \rightarrow N$ transition form-factors due to the axial current**
Aliev T., Barakat T., Simsek K.
PHYSICAL REVIEW D, vol.100, no.5, 2019 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Determination of the quantum numbers of $\Sigma(b)(6097)(+/-)$ via their strong decays**
Aliev T., Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.99, no.9, 2019 (SCI-Expanded)
- XXIX. **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)
- XXX. **The mass and residues of radially and orbitally excited doubly heavy baryons in QCD**
Aliev T., BİLMİŞ S.
NUCLEAR PHYSICS A, vol.984, pp.99-111, 2019 (SCI-Expanded)
- XXXI. **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)
- XXXII. **Structure of the $\Xi(b)(6227)(-)$ resonance**
Aliev T., AZİZİ K., SARAÇ OYMAK Y., SUNDU PAMUK H.
PHYSICAL REVIEW D, vol.98, no.9, 2018 (SCI-Expanded)
- XXXIII. **Nature of the $\Omega(212)$ through its strong decays**
Aliev T., AZİZİ K., SARAÇ OYMAK Y., SUNDU PAMUK H.
EUROPEAN PHYSICAL JOURNAL C, vol.78, no.11, 2018 (SCI-Expanded)
- XXXIV. **On the nature $\Xi(c)$ (2930)**
Aliev T., AZİZİ K., SUNDU PAMUK H.
EUROPEAN PHYSICAL JOURNAL A, vol.54, no.9, 2018 (SCI-Expanded)
- XXXV. **Determination of $f(0) - a(0)(0)$ mixing angle from QCD sum rules**
ALIYEV T., BİLMİŞ S.
EUROPEAN PHYSICAL JOURNAL A, vol.54, no.9, 2018 (SCI-Expanded)
- XXXVI. **Form factors for the rare $\Lambda(b)(\Lambda^*(b)) \rightarrow Nl(+)l(-)$ decays in light cone QCD sum rules**
Aliev T., Barakat T., Savci M.
PHYSICAL REVIEW D, vol.98, 2018 (SCI-Expanded)
- XXXVII. **Interpretation of the newly discovered $\Omega(212)$**
Aliev T., AZİZİ K., SARAÇ OYMAK Y., SUNDU PAMUK H.
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- XXXVIII. **Light-cone distribution amplitudes of light $J(PC)=2(-)$ tensor mesons in QCD**
 Aliyev T., Bilmiş S., Yang K.
 NUCLEAR PHYSICS B, vol.931, pp.132-145, 2018 (SCI-Expanded)
- XXXIX. **Analysis of the structure of $\Xi(1690)$ through its decays**
 Aliev T., Azizi K., SUNDU PAMUK H.
 EUROPEAN PHYSICAL JOURNAL C, vol.78, no.5, 2018 (SCI-Expanded)
- XL. **Magnetic dipole moments of the negative parity $J(PC)=2(-)$ mesons in QCD**
 Aliyev T., Barakat T., Savcı M.
 EUROPEAN PHYSICAL JOURNAL C, vol.78, 2018 (SCI-Expanded)
- XLI. **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)
- XLII. **Scalar unparticle signals at the LHC**
 ALIYEV T., BİLMİŞ S., Solmaz M., TURAN İ.
 PHYSICAL REVIEW D, vol.95, no.9, 2017 (SCI-Expanded)
- XLIII. **Radial excitations of the decuplet baryons**
 Aliev T., AZİZİ K., SUNDU PAMUK H.
 EUROPEAN PHYSICAL JOURNAL C, vol.77, no.4, 2017 (SCI-Expanded)
- XLIV. **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)
- XLV. **Magnetic moment of the X-Q state with $J(PC)=1(++/-)$ in light cone QCD sumrules**
 Agamaliev A. K., ALIYEV T., SAVCI M.
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- XLVI. **Radiative decays of negative parity heavy baryons in the framework of the light cone QCD sum rules**
 Agamaliev A. K., ALIYEV T., SAVCI M.
 NUCLEAR PHYSICS A, vol.958, pp.38-47, 2017 (SCI-Expanded)
- XLVII. **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)
- XLVIII. **Analysis of Radial Excitations of Octet Baryons in QCD Sum Rules**
 ALIYEV T., BİLMİŞ S.
 ADVANCES IN HIGH ENERGY PHYSICS, vol.2017, 2017 (SCI-Expanded)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **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)
- LIII. **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)
- LIV. **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)
- LIV. **Constraints on dark photon from neutrino-electron scattering experiments**
BİLMİŞ S., TURAN İ., Aliev T., Deniz M., Singh L., Wong H. T.
PHYSICAL REVIEW D, vol.92, no.3, 2015 (SCI-Expanded)
- LVI. **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)
- LVII. **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)
- LVIII. **Determination of the mixing angle between new charmonium states**
ALIYEV T., SAVCI M.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.4, 2015 (SCI-Expanded)
- LIX. **Radiative $\Omega(Q)^* \rightarrow \Omega(Q)\gamma$ and $\Xi(Q)^* \rightarrow \Xi(Q)\gamma$ transitions in light cone QCD**
ALIYEV T., AZİZİ K., SUNDU PAMUK H.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.1, 2015 (SCI-Expanded)
- LX. **More about the Mass of the New Charmonium States**
Aliev T., ÖZŞAHİN H., SAVCI M.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2015, 2015 (SCI-Expanded)
- LXI. **Magnetic Moments of 70-Plet Baryons in Quark Model and QCD Sum Rules**
ALIYEV T., Zamiralov V. S.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2015, 2015 (SCI-Expanded)
- LXII. **Magnetic moments of $J(P)=3/2$ -baryons in QCD**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.90, no.11, 2014 (SCI-Expanded)
- LXIII. **$\gamma^*N \rightarrow N^*(1520)$ transition form factors in light cone QCD sum rules**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.90, no.9, 2014 (SCI-Expanded)
- LXIV. **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)
- LXV. **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)
- LXVI. **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)
- LXVII. **Magnetic moments of negative parity baryons in QCD**
ALIYEV T., SAVCI M.
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- LXVIII. **CASIMIR FORCE IN WARPED HIGHER DIMENSIONAL MODELS SURVEY**
ALIYEV T., Saad N., TURAN İ.
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.13, no.2, pp.147-174, 2014 (SCI-Expanded)
- LXIX. **$\gamma^*N \rightarrow N(1535)$ transition form factors in QCD**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.88, no.5, 2013 (SCI-Expanded)
- LXX. **Electromagnetic transitions among octet and decuplet baryons in QCD**
ALIYEV T., ÖKTEM Y., SAVCI M.
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- LXXI. **Electromagnetic form factors of octet baryons in QCD**

- ALIYEV T., AZIZI K., SAVCI M.
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- LXXII. **The masses and residues of doubly heavy spin-3/2 baryons**
ALIYEV T., AZIZI K., SAVCI M.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.40, no.6, 2013 (SCI-Expanded)
- LXXIII. **Analysis of gamma(*) Lambda -> Sigma(0) transition in QCD**
ALIYEV T., AZIZI K., SAVCI M.
PHYSICAL REVIEW D, vol.87, no.9, 2013 (SCI-Expanded)
- LXXIV. **Masses and residues of the triply heavy spin-1/2 baryons**
ALIYEV T., AZIZI K., SAVCI M.
JOURNAL OF HIGH ENERGY PHYSICS, vol.2013, no.4, 2013 (SCI-Expanded)
- LXXV. **Lepton polarization effects in Lambda(b) -> Lambda l(+)l(-) decay in family non-universal Z ' model**
ALIYEV T., SAVCI M.
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- LXXVI. **Doubly heavy spin-1/2 baryon spectrum in QCD**
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- LXXVII. **Analysis of Lambda(b) -> Lambda l(+)l(-) decay within family non-universal Z ' model**
ALIYEV T., SAVCI M.
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- LXXVIII. **Mixing angle of doubly heavy baryons in QCD**
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- LXXIX. **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)
- LXXX. **B -> K(2)l(+)l(-) decay beyond the standard model**
ALIYEV T., SAVCI M.
PHYSICAL REVIEW D, vol.85, no.1, 2012 (SCI-Expanded)
- LXXXI. **Strong coupling constants of heavy spin-3/2 baryons with light pseudoscalar mesons**
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- LXXXII. **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)
- LXXXIII. **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)
- LXXXIV. **Spin-3/2 to spin-1/2 heavy baryons and pseudoscalar mesons transitions in QCD**
ALIYEV T., AZIZI K., SAVCI M.
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- LXXXV. **Tensor form factors of B -> K-1 transition from QCD light cone sum rules**
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- LXXXVI. **Analysis of heavy spin-3/2 baryon-heavy spin-1/2 baryon-light vector meson vertices in QCD**
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PHYSICAL REVIEW D, vol.83, no.9, 2011 (SCI-Expanded)
- LXXXVII. **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)
- LXXXVIII. **Strong coupling constants of light pseudoscalar mesons with heavy baryons in QCD**
 ALIYEV T., AZİZİ K., SAVCI M.
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- LXXXIX. **Mixing angle of hadrons in QCD: A new view**
 ALIYEV T., ÖZPİNECİ A., Zamiralov V.
 PHYSICAL REVIEW D, vol.83, no.1, 2011 (SCI-Expanded)
- XC. **Strong transitions of decuplet to octet baryons and pseudoscalar mesons**
 Aliev T., AZİZİ K., SAVCI M.
 NUCLEAR PHYSICS A, vol.847, pp.101-117, 2010 (SCI-Expanded)
- XCI. **Strong coupling constants of decuplet baryons with vector mesons**
 Aliev T., AZİZİ K., SAVCI M.
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- XCII. **Mass Formulas for Xi(c) and Xi(b) Baryons**
 Aliev T., Zamiralov V. S., ÖZPİNECİ A.
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- XCIII. **Magnetic dipole moment of the light tensor mesons in light cone QCD sum rules**
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 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.7, 2010 (SCI-Expanded)
- XCIV. **Heavy chi(Q) (2) tensor mesons in QCD**
 ALIYEV T., AZİZİ K., SAVCI M.
 PHYSICS LETTERS B, vol.690, no.2, pp.164-167, 2010 (SCI-Expanded)
- XCV. **Semileptonic decays of pseudoscalar mesons to the scalar f(0) meson**
 ALIYEV T., SAVCI M.
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- XCVI. **Analysis of the Lambda b -> Lambda l(+)l(-) decay in QCD**
 ALIYEV T., AZİZİ K., SAVCI M.
 PHYSICAL REVIEW D, vol.81, no.5, 2010 (SCI-Expanded)
- XCVII. **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)
- XCVIII. **On the mass and decay constant of K-2*(1430) tensor meson**
 Aliev T., AZİZİ K., Bashiry V.
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.2, 2010 (SCI-Expanded)
- XCIX. **Collider effects of unparticle interactions in multiphoton signals**
 ALIYEV T., Frank M., Turan I.
 PHYSICAL REVIEW D, vol.80, no.11, 2009 (SCI-Expanded)
- C. **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)
- CI. **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)
- CII. **Magnetic and quadrupole moments of light spin-1 mesons in light cone QCD sum rules**
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- CIII. **Vector meson-baryon strong coupling constants in light cone QCD sum rules**
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 PHYSICAL REVIEW D, vol.80, no.1, 2009 (SCI-Expanded)
- CIV. **Radiative decays of the heavy flavored baryons in light cone QCD sum rules**

- ALIYEV T., Azizi K., ÖZPİNECİ A.
PHYSICAL REVIEW D, vol.79, no.5, 2009 (SCI-Expanded)
- CV. **Mass and magnetic moments of the heavy flavored baryons with $J=3/2$ in light cone QCD sum rules**
ALIYEV T., Azizi K., ÖZPİNECİ A.
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