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Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2003 - 2007

Post Graduate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1999 - 2003

Under Graduate, Balıkesir Üniversitesi, Necatibey Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Basic Particles and Areas, Properties of special particles, Special reactions and phenomenology, Special theories and interaction models, particle systematics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013 - Continues

Assistant Professor, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2008 - 2013

Research Assistant, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2007

Research Assistant, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2000 - 2007

Academic and Administrative Experience

Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013 - Continues

Courses

İleri Kuantum Mekaniği, Doctorate, 2017 - 2018

Advising Theses

SUNDU PAMUK H., Ekzotik X(5568) ve Lamda(1405) Parçacıklarının İncelenmesi, Post Graduate, B.Barsbay(Student), 2017
SUNDU PAMUK H., AKSİYAL-VEKTÖR MEZONLARIN KÜTLE VE LEPTONİK BOZUNUM SABİTLERİNİN HESAPLANMASI VE KÖŞELERİNİN ANALİZİ, Post Graduate, S.Şahin(Student), 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **New scalar resonance X-0(2900) as a $(D)\overline{u}K^*$ molecule: mass and width**
Agaev S. S. , Azizi K., Sundu H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.48, no.8, 2021 (Journal Indexed in SCI)
- II. **Vector resonance X-1(2900) and its structure**
Agaev S. S. , Azizi K., Sundu H.
NUCLEAR PHYSICS A, vol.1011, 2021 (Journal Indexed in SCI)
- III. **Newly discovered Xi(0)(c) resonances and their parameters**
Agaev S. S. , Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, vol.57, no.6, 2021 (Journal Indexed in SCI)
- IV. **Investigation of P-cs(4459)(0) pentaquark via its strong decay to Lambda J/Psi**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.103, no.9, 2021 (Journal Indexed in SCI)
- V. **Properties of the P-c(4312) pentaquark and its bottom partner**
Azizi K., Sarac Y., Sundu H.
CHINESE PHYSICS C, vol.45, no.5, 2021 (Journal Indexed in SCI)
- VI. **Determination of the possible quantum numbers for the newly observed Xi(b)(6227)(0) state**
Azizi K., Sarac Y., Sundu H.
JOURNAL OF HIGH ENERGY PHYSICS, no.3, 2021 (Journal Indexed in SCI)
- VII. **Semileptonic and nonleptonic decays of the axial-vector tetraquark $T_{bb};(u)\overline{d}\overline{(-)}$**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, vol.57, no.3, 2021 (Journal Indexed in SCI)
- VIII. **A family of double-beauty tetraquarks: Axial-vector state $T_{bb};(us)\overline{(-)}$**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
CHINESE PHYSICS C, vol.45, no.1, 2021 (Journal Indexed in SCI)
- IX. **The scalar hexaquark uuddss: a candidate to dark matter?**
Azizi K., Agaev S. S. , Sundu H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.47, 2020 (Journal Indexed in SCI)
- X. **Nucleon resonances with spin 3/2 and isospin 1/2**
Azizi K., Sarac Y., Sundu H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.47, 2020 (Journal Indexed in SCI)
- XI. **New Lambda(b)(6072)(0) state as a 2S bottom baryon**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.102, 2020 (Journal Indexed in SCI)
- XII. **Stable scalar tetraquark $T_{bb};(u)\overline{d}\overline{(-)}$**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, vol.56, 2020 (Journal Indexed in SCI)
- XIII. **Heavy exotic scalar meson $T(bb)\overline{;}(u)\overline{(-)}\overline{(s)\overline{(-)}}$**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
PHYSICAL REVIEW D, vol.101, no.9, 2020 (Journal Indexed in SCI)
- XIV. **Lambda(b)(6146)(0) state newly observed by LHCb**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.101, 2020 (Journal Indexed in SCI)
- XV. **Nature of the vector resonance Y(2175)**

- Agaev S. S. , Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.101, 2020 (Journal Indexed in SCI)
- XXVI. **Double-heavy axial-vector tetraquark $T_{bc};(u)\overline{(d)}\overline{(0)}$**
Agaev S. S. , Azizi K., Sundu H.
NUCLEAR PHYSICS B, vol.951, 2020 (Journal Indexed in SCI)
- XXVII. **Thermal behaviors of exotic $Z(c) (3900)$ state in tetraquark approach**
Isik I. B. , Sundu H., Veliev E.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, 2020 (Journal Indexed in SCI)
- XXVIII. **Light scalar $K-0^* (700)$ meson in vacuum and a hot medium**
Azizi K., Barsbay B., Sundu H.
PHYSICAL REVIEW D, vol.100, 2019 (Journal Indexed in SCI)
- XXIX. **Decay modes of the scalar exotic meson $T_{bs};(u)\overline{(d)}\overline{(-)}$**
Agaev S. S. , Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.100, 2019 (Journal Indexed in SCI)
- XX. **Light axial-vector and vector resonances $X(2100)$ and $X(2239)$**
Azizi K., Agaev S. S. , Sundu H.
NUCLEAR PHYSICS B, vol.948, 2019 (Journal Indexed in SCI)
- XXI. **Semileptonic decays of the scalar tetraquark $Z_{bc};ud(0)$**
Sundu H., Agaev S. S. , Azizi K.
EUROPEAN PHYSICAL JOURNAL C, vol.79, 2019 (Journal Indexed in SCI)
- XXII. **Lepton flavor universality violation in semileptonic tree level weak transitions**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.99, 2019 (Journal Indexed in SCI)
- XXIII. **Strong decays of double-charmed pseudoscalar and scalar $cc(u)\overline{(d)}\overline{(0)}$ tetraquarks**
Agaev S. S. , Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.99, 2019 (Journal Indexed in SCI)
- XXIV. **Determination of the quantum numbers of $\Sigma(b)(6097)(+/-)$ via their strong decays**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.99, 2019 (Journal Indexed in SCI)
- XXV. **New charged resonance $Z(c)(-)(4100)$: the spectroscopic parameters and width**
Sundu H., Agaev S. S. , Azizi K.
EUROPEAN PHYSICAL JOURNAL C, vol.79, 2019 (Journal Indexed in SCI)
- XXVI. **The nonet of the light scalar tetraquarks: The mesons $a(0)(980)$ and $K-0^*(800)$**
AGAEV S. S. , Azizi K., Sundu H.
PHYSICS LETTERS B, vol.789, pp.405-412, 2019 (Journal Indexed in SCI)
- XXVII. **Weak decays of the axial-vector tetraquark $T_{bb};(u)\overline{(d)}\overline{(-)}$**
AGAEV S. S. , Azizi K., BARSBAY B., Sundu H.
PHYSICAL REVIEW D, vol.99, 2019 (Journal Indexed in SCI)
- XXVIII. **The doubly charmed pseudoscalar tetraquarks $T_{cc};(s)\overline{(s)}\overline{++}$ and $T_{cc};(d)\overline{(s)}\overline{++}$**
AGAEV S. S. , Azizi K., BARSBAY B., Sundu H.
NUCLEAR PHYSICS B, vol.939, pp.130-144, 2019 (Journal Indexed in SCI)
- XXIX. **Structure of the $\Xi(b)(6227)(-)$ resonance**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- XXX. **Nature of the Omega (2012) through its strong decays**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.78, 2018 (Journal Indexed in SCI)
- XXXI. **On the nature $\Xi(c) (2930)$**
Aliev T. M. , AZIZI K., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, vol.54, 2018 (Journal Indexed in SCI)

- XXXII. **Resonance Y (4660) as a vector tetraquark and its strong decay channels**
Sundu H., AGAEV S. S., Azizi K.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- XXXIII. **The strong decays of the light scalar mesons $f(0)(500)$ and $f(0)(980)$**
AGAEV S. S., Azizi K., Sundu H.
PHYSICS LETTERS B, vol.784, pp.266-270, 2018 (Journal Indexed in SCI)
- XXXIV. **Possible molecular pentaquark states with different spin and quark configurations**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- XXXV. **Interpretation of the newly discovered Omega(2012)**
Aliev T. M., Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.98, 2018 (Journal Indexed in SCI)
- XXXVI. **Probing an axial-vector tetraquark $Z(s)$ via its semileptonic decay $Z(s) \rightarrow X(4274)(I)\overline{\nu}(I)$**
Sundu H., BARSBAY B., AGAEV S. S., Azizi K.
EUROPEAN PHYSICAL JOURNAL A, vol.54, 2018 (Journal Indexed in SCI)
- XXXVII. **Strong decay of P-c (4380) pentaquark in a molecular picture**
Azizi K., Sarac Y., Sundu H.
PHYSICS LETTERS B, vol.782, pp.694-701, 2018 (Journal Indexed in SCI)
- XXXVIII. **The structure, mixing angle, mass and couplings of the light scalar $f(0)(500)$ and $f(0)(980)$ mesons**
AGAEV S. S., Azizi K., Sundu H.
PHYSICS LETTERS B, vol.781, pp.279-282, 2018 (Journal Indexed in SCI)
- XXXIX. **Analysis of the structure of Xi (1690) through its decays**
Aliev T. M., AZIZI K., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.78, 2018 (Journal Indexed in SCI)
- XL. **Thermal properties of the exotic X(3872) state via QCD sum rule**
Veliev E., GÜNAYDIN S., Sundu H.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, 2018 (Journal Indexed in SCI)
- XLI. **Mass and residue of Lambda(1405) as hybrid and excited ordinary baryon**
Azizi K., BARSBAY B., Sundu H.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, 2018 (Journal Indexed in SCI)
- XLII. **New $a(1)(1420)$ state: Structure, mass, and width**
Sundu H., AGAEV S. S., Azizi K.
PHYSICAL REVIEW D, vol.97, 2018 (Journal Indexed in SCI)
- XLIII. **Testing the doubly charged charm-strange tetraquarks**
AGAEV S. S., Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.78, 2018 (Journal Indexed in SCI)
- XLIV. **Spectroscopic parameters and decays of the resonance $Z(b)(10610)$**
AGAEV S. S., Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.77, 2017 (Journal Indexed in SCI)
- XLV. **Hidden bottom pentaquark states with spin $3/2$ and $5/2$**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.96, 2017 (Journal Indexed in SCI)
- XLVI. **Decay widths of the excited Omega(b) baryons**
AGAEV S. S., AZIZI K., Sundu H.
PHYSICAL REVIEW D, vol.96, 2017 (Journal Indexed in SCI)
- XLVII. **Treating $Z(c)(3900)$ and $Z(4430)$ as the ground state and first radially excited tetraquarks**
AGAEV S. S., Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.96, 2017 (Journal Indexed in SCI)
- XLVIII. **Interpretation of the new Omega(0)(c) states via their mass and width**
AGAEV S. S., Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.77, 2017 (Journal Indexed in SCI)

- XLIX. **Exploring the resonances X(4140) and X(4274) through their decay channels**
 AGAEV S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.95, 2017 (Journal Indexed in SCI)
- L. **On the nature of the newly discovered Omega states**
 AGAEV S. S. , Azizi K., Sundu H.
 EPL, vol.118, 2017 (Journal Indexed in SCI)
- LI. **Analysis of P-c(+)(4380) and P-c(+)(4450) as pentaquark states in the molecular picture with QCD sum rules**
 Azizi K., Sarac Y., Sundu H.
 PHYSICAL REVIEW D, vol.95, 2017 (Journal Indexed in SCI)
- LII. **Open charm-bottom axial-vector tetraquarks and their properties**
 AGAEV S. S. , Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL C, vol.77, 2017 (Journal Indexed in SCI)
- LIII. **Radial excitations of the decuplet baryons**
 Aliev T. M. , Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL C, vol.77, 2017 (Journal Indexed in SCI)
- LIV. **Scalar and vector self-energies of heavy baryons in nuclear medium**
 Azizi K., Er N., Sundu H.
 NUCLEAR PHYSICS A, vol.960, pp.147-164, 2017 (Journal Indexed in SCI)
- LIV. **Open charm-bottom scalar tetraquarks and their strong decays**
 AGAEV S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.95, 2017 (Journal Indexed in SCI)
- LVI. **Resonance X(5568) as an exotic axial-vector state**
 AGAEV S. S. , Azizi K., BARSBAY B., Sundu H.
 EUROPEAN PHYSICAL JOURNAL A, vol.53, 2017 (Journal Indexed in SCI)
- LVII. **Mass and magnetic dipole moment of negative-parity heavy baryons with spin-3/2**
 Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL PLUS, vol.132, 2017 (Journal Indexed in SCI)
- LVIII. **Impact of finite density on spectroscopic parameters of decuplet baryons**
 Azizi K., Er N., Sundu H.
 PHYSICAL REVIEW D, vol.94, 2016 (Journal Indexed in SCI)
- LIX. **Exploring X(5568) as a meson molecule**
 AGAEV S. S. , Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, 2016 (Journal Indexed in SCI)
- LX. **Application of the QCD light cone sum rule to tetraquarks: The strong vertices XbXb rho and XcXc rho**
 Agaev S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.93, 2016 (Journal Indexed in SCI)
- LXI. **Width of the exotic X-b(5568) state through its strong decay to B-s(0)pi(+)**
 AGAEV S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.93, 2016 (Journal Indexed in SCI)
- LXII. **Charmed partner of the exotic X(5568) state and its properties**
 Agaev S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.93, 2016 (Journal Indexed in SCI)
- LXIII. **On the strong coupling N(*)N(*)pi**
 Azizi K., Sarac Y., Sundu H.
 EUROPEAN PHYSICAL JOURNAL A, vol.52, pp.1-9, 2016 (Journal Indexed in SCI)
- LXIV. **Mass and decay constant of the newly observed exotic X(5568) state**
 Agaev S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, vol.93, 2016 (Journal Indexed in SCI)
- LXV. **Strong Z(c)(+)(3900) -> J/psi pi(+); eta c rho(+)-decays in QCD**

- AGAEV S. S. , Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.93, 2016 (Journal Indexed in SCI)
- LXVI. **B(c)B(c)J/psi vertex form factor at finite temperature in the framework of QCD sum rules approach**
YAZICI E., Sundu H., Veliev E.
EUROPEAN PHYSICAL JOURNAL C, vol.76, 2016 (Journal Indexed in SCI)
- LXVII. **Transition Form Factors of $\chi(b_2)(1P) \rightarrow B-c(l)\overline{bar}v$ in QCD**
Azizi K., Sundu H., Sungu J., YINELEK N.
ADVANCES IN HIGH ENERGY PHYSICS, 2016 (Journal Indexed in SCI)
- LXVIII. **Strong D-s*D-s $\eta(\prime)$ and B-s*B-s $\eta(\prime)$ vertices from QCD light-cone sum rules**
Agaev S. S. , Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.92, 2015 (Journal Indexed in SCI)
- LXIX. **Strong Sigma N-b B and Sigma N-c D coupling constants in QCD**
Azizi K., Sarac Y., Sundu H.
NUCLEAR PHYSICS A, vol.943, pp.159-167, 2015 (Journal Indexed in SCI)
- LXX. **Positive and negative parity hyperons in nuclear medium**
Azizi K., Er N., Sundu H.
PHYSICAL REVIEW D, vol.92, 2015 (Journal Indexed in SCI)
- LXXI. **Strong couplings of negative and positive parity nucleons to the heavy baryons and mesons**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.92, 2015 (Journal Indexed in SCI)
- LXXII. **Radiative transition of negative to positive parity nucleon**
Azizi K., Sundu H.
PHYSICAL REVIEW D, vol.91, 2015 (Journal Indexed in SCI)
- LXXIII. **Semileptonic Bs \rightarrow Ds2*(2573) l(nu)over-barl transition in QCD**
Azizi K., Sundu H., ŞAHİN S.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.5, 2015 (Journal Indexed in SCI)
- LXXIV. **Semileptonic B \rightarrow (D)over-bar transition in a nuclear medium**
Azizi K., Er N., Sundu H.
PHYSICAL REVIEW D, vol.91, 2015 (Journal Indexed in SCI)
- LXXV. **Radiative Omega(Q)* \rightarrow Omega(Q)gamma and Xi(Q)* \rightarrow Xi(Q)'gamma transitions in light cone QCD**
Aliev T. M. , Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.75, 2015 (Journal Indexed in SCI)
- LXXVI. **Thermal Properties of Light Tensor Mesons via QCD Sum Rules**
Azizi K., TÜRKAN A., Veliev E., Sundu H.
ADVANCES IN HIGH ENERGY PHYSICS, 2015 (Journal Indexed in SCI)
- LXXVII. **Strong Lambda bNB and Lambda cND vertices**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.90, 2014 (Journal Indexed in SCI)
- LXXVIII. **Semileptonic Transition of Tensor c2 1P to DsDs Meson**
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., AZIZI K.
Advances In High Energy Physics, 2014 (Journal Indexed in SCI)
- LXXIX. **Analysis of the strong D-2* (2460)(0) \rightarrow D+ pi(-) and D-s2*(2573)(+) \rightarrow D+ K-0 transitions via QCD sum rules**
Azizi K., Sarac Y., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.74, 2014 (Journal Indexed in SCI)
- LXXX. **More about the B B and D D mesons in nuclear matter**
AZIZI K., ER N., SUNDU PAMUK H.
European Physical Journal C, vol.74, 2014 (Journal Indexed in SCI)
- LXXXI. **Thermal properties of D-2* (2460) and D-s2*(2573) tensor mesons using QCD sum rules**
Azizi K., Sundu H., TURKAN A., Veliev E.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.41, 2014 (Journal Indexed in SCI)

- LXXXII. **Semileptonic Transition of Tensor $\chi(c_2)(1P)$ to D-s Meson**
Sungu J. Y. , Sundu H., Azizi K.
ADVANCES IN HIGH ENERGY PHYSICS, 2014 (Journal Indexed in SCI)
- LXXXIII. **THERMAL PROPERTIES OF THE HEAVY AXIAL VECTOR QUARKONIA**
Veliev E., Azizi K., Sundu H., Kaya G.
ROMANIAN JOURNAL OF PHYSICS, vol.59, pp.140-154, 2014 (Journal Indexed in SCI)
- LXXXIV. **Investigation of the B-c $\rightarrow \chi(c_2)1(\bar{\nu})(-)$ transition via QCD sum rules**
Azizi K., Sarac Y., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, vol.73, 2013 (Journal Indexed in SCI)
- LXXXV. **Investigation of the D (s) (*) D-s eta ((')) and B (s) (*) B-s eta ((')) vertices via QCD sum rules**
YAZICI E., Veliev E., Azizi K., Sundu H.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.128, 2013 (Journal Indexed in SCI)
- LXXXVI. **Investigation of the semileptonic transition of the B into the orbitally excited charmed tensor meson**
Azizi K., Sundu H., ŞAHİN S.
PHYSICAL REVIEW D, vol.88, no.3, 2013 (Journal Indexed in SCI)
- LXXXVII. **Properties of Ds2 2573 charmed strange tensor meson**
AZIZI K., SUNDU PAMUK H., SÜNGÜ J., YİNELEK N.
Physical Review D, vol.88, 2013 (Journal Indexed in SCI)
- LXXXVIII. **Semileptonic transition of P-wave bottomonium $\chi(b_0)(1P)$ to B-c meson**
Azizi K., Sundu H., Sungu J.
EUROPEAN PHYSICAL JOURNAL A, vol.48, 2012 (Journal Indexed in SCI)
- LXXXIX. **Mass and meson-current coupling constant of the tensor D-2*(2460)**
Sundu H., Azizi K.
EUROPEAN PHYSICAL JOURNAL A, vol.48, 2012 (Journal Indexed in SCI)
- XC. **Semileptonic transition of Sigma(b) to Sigma in light cone QCD sum rules**
Azizi K., BAYAR M., ÖZPİNECİ A., Sarac Y., Sundu H.
PHYSICAL REVIEW D, vol.85, no.1, 2012 (Journal Indexed in SCI)
- XCI. **Investigation of heavy-heavy pseudoscalar mesons in thermal QCD sum rules**
Veliev E., Azizi K., Sundu H., AKŞİT N.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.39, 2012 (Journal Indexed in SCI)
- XCII. **Light cone QCD sum rules study of the semileptonic heavy Xi(Q) and Xi(Q)' transitions to Xi and Sigma baryons**
Azizi K., Sarac Y., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, vol.48, 2012 (Journal Indexed in SCI)
- XCIII. **Thermal QCD sum rules study of vector charmonium and bottomonium states**
Veliev E., Azizi K., Sundu H., KAYA G., TÜRKAN A.
EUROPEAN PHYSICAL JOURNAL A, vol.47, 2011 (Journal Indexed in SCI)
- XCIV. **Strong coupling constants of bottom and charmed mesons with scalar, pseudoscalar, and axial vector kaons**
Sundu H., Sungu J. Y. , ŞAHİN S., YİNELEK N., Azizi K.
PHYSICAL REVIEW D, vol.83, no.11, 2011 (Journal Indexed in SCI)
- XCV. **$g_D(s)*DK^*(892)$ and $g_B(s)*BK^*(892)$ coupling constants in QCD sum rules**
Azizi K., Sundu H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.38, 2011 (Journal Indexed in SCI)
- XCVI. **FCNC transitions of Lambda(b,c) to nucleon in SM**
Azizi K., BAYAR M., Sarac Y., Sundu H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.37, no.11, 2010 (Journal Indexed in SCI)
- XCVII. **Scalar quarkonia at finite temperature**
Veliev E., Sundu H., Azizi K., BAYAR M.
PHYSICAL REVIEW D, vol.82, no.5, 2010 (Journal Indexed in SCI)
- XCVIII. **Semileptonic Lambda(b,c) to nucleon transitions in full QCD at light cone**

Azizi K., BAYAR M., Sarac Y., Sundu H.

PHYSICAL REVIEW D, vol.80, no.9, 2009 (Journal Indexed in SCI)

XCIX. Semileptonic B-c to P-wave charmonia transitions within QCD sum rules

Azizi K., Sundu H., BAYAR M.

PHYSICAL REVIEW D, vol.79, no.11, 2009 (Journal Indexed in SCI)

C. The decay $\tau \rightarrow \mu(\nu)\overline{\nu}(\nu)$ in the Randall-Sundrum background with localized U(1)(Y) gauge boson

Ilhan E. O. , Sundu H.

EUROPEAN PHYSICAL JOURNAL C, vol.53, pp.591-598, 2008 (Journal Indexed in SCI)

CI. $\tau \rightarrow \mu(\nu)\overline{\nu}(\nu)$ decay in the general two Higgs doublet model

ILTAN E., Sundu H.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.29, pp.1373-1382, 2003 (Journal Indexed in SCI)

CII. Anomalous magnetic moment of the muon in the two Higgs doublet model

ILTAN E., Sundu H.

ACTA PHYSICA SLOVACA, vol.53, pp.17-24, 2003 (Journal Indexed in SCI)

CIII. $H \rightarrow W + \nu(\nu)\overline{\nu}(\nu)$ decay in the two Higgs doublet model

ILTAN E., Sundu H.

PHYSICAL REVIEW D, vol.67, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Four-quark exotic mesons

Agaev S., AZİZİ K., SUNDU PAMUK H.

TURKISH JOURNAL OF PHYSICS, vol.44, no.2, pp.95-173, 2020 (Journal Indexed in ESCI)

II. The Mass and Current Meson Coupling Constant of the Exotic X 3872 State from QCD Sum Rules

SUNDU PAMUK H.

SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.448, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. Thermal QCD sum rules for $Z_c(3900)$ Treated as a Tetraquark State

Baldan Işık İ., Sundu Pamuk H., Velî E.

Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 10 May - 10 September 2018, vol.34, pp.352

II. Thermal Properties of the Tetraquark X(3872) in Diquark-antidiquark Approach

VELİ E., Günaydın S., SUNDU PAMUK H.

Proceedings of XVII International Conference on Hadron Spectroscopy and Structure — PoS(Hadron2017), University of Salamanca, Salamanca, Spain, 25 - 29 September 2017

III. Hybrid Baryons

barsbay b., SUNDU PAMUK H.

Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017

IV. Thermal QCD Sum Rules for X(3872) treated as a molecular state

VELİ E., SUNDU PAMUK H., gunaydın s.

Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017

V. In medium properties of B and D mesons

SUNDU PAMUK H., Azizi K., ER N.

7th International Workshop on QCD - Theory and Experiment (QCD@Work 2014), 16 - 19 June 2016, vol.80, pp.36

VI. Decay constants of the charmed tensor mesons at finite temperature

azizi k., SUNDU PAMUK H., türkan a., VELİ E.

11th Conference on Quark Confinement and the Hadron Spectrum, Saint Petersburg, Russia, 8 - 12 September

2014

- VII. **Investigation of the $D_s^2 2573 D K 0$ vertex via QCD sum rules**
Sarac Y., Azizi K., SUNDU PAMUK H.
4th International Conference on Hadron Physics (TROIA'14), Çanakkale, Turkey, 1 - 05 July 2014
- VIII. **Thermal behaviors of light unflavored tensor mesons in the framework of QCD sum rule**
Azizi K., Türkan A., SUNDU PAMUK H., Veliev E. V. , Yazıcı E.
4th International Conference on Hadron Physics (TROIA'14), 1 - 05 July 2014
- IX. **Strong $D^*(2)(2460)(0) \rightarrow D+\pi(-)$ Transition in QCD**
Sarac Y., Azizi K., Sundu H.
International Workshop on Quantum Chromodynamics - Theory and Experiment, Bari, Italy, 16 - 19 June 2014, vol.80
- X. **Properties of $D 2 2460$ tensor meson and semileptonic transition of $B D 2 2460 1$**
SUNDU PAMUK H., Azizi K., Şahin S.
7th Joint International Hadron Structure'13 Conference (HS 13), 30 June - 04 July 2013
- XI. **Analysis of the semileptonic transition of heavy Q baryon to baryon in Light Cone QCD Sum Rules**
Sarac Y., Azizi K., SUNDU PAMUK H.
7th Joint International Hadron Structure'13 Conference (HS 13), 30 June - 04 July 2013
- XII. **Thermal Modifications of the Heavy Axial Vector Mesons Properties**
veliev e. v. , azizi k., SUNDU PAMUK H., kaya g.
10th Conference on Quark Confinement and the Hadron Spectrum (Confinement X), 8 October - 12 August 2012
- XIII. **$g D_s D K 0$ and $g B_s B K 0$ coupling constants in QCD sum rules**
sahin s., SUNDU PAMUK H., azizi k.
3rd International Conference on Hadron Physics (TROIA'11), 22 - 25 August 2012
- XIV. **Analysis of $D_s DK 1 B_s BK 1$ coupling constants within QCD sum rules**
Yinelek N., Süngü J. Y. , SUNDU PAMUK H., Azizi K.
3rd International Conference on Hadron Physics (TROIA'11), 22 - 25 August 2012
- XV. **Transition form factors of P wave bottomonium $b_0 1P$ into B_c meson**
Süngü J. Y. , Azizi K., SUNDU PAMUK H.
6th International Workshop on QCD - Theory and Experiment (QCD@Work 2012), Lecce, Italy, 18 - 21 June 2012
- XVI. **Decay constants of heavy vector mesons at finite temperature**
VELİ E., AZİZİ K., SUNDU PAMUK H., KAYA G., TÜRKAN A.
2nd International Conference on Particle Physics, 20 - 25 June 2011, pp.12034
- XVII. **Mesons Spectral Functions at Finite Temperature**
VELİ E., AZİZİ K., SUNDU PAMUK H., KAYA G., AKŞİT N.
3rd International Conference on Hadron Physics (TROIA'11), 22 - 25 August 2011
- XVIII. **Heavy Light Scalar and Axial Vector Mesons Decay Constants and Masses in QCD Sum Rule Approach**
YILMAZKAYA SÜNGÜ J., azizi k., SUNDU PAMUK H., yinelek n., sahin s.
The many faces of QCD, 1 - 05 November 2010, vol.45
- XIX. **Leptonic Decay Constant and Mass of the Light Axial Vector Mesons in the Framework of Qcd Sum Rules**
sahin s., SUNDU PAMUK H., azizi k.
Turk Fizik Dernegi Kongresi, 22 February 2012, vol.20, pp.99-111
- XX. **Light Scalar Mesons Decay Constants and Masses Within QCD Sum Rules**
yinelek n., jale s., azizi k., SUNDU PAMUK H.
Turk Fizik Dernegi Kongresi, 12 - 15 August 2012, vol.20, pp.133-143
- XXI. **Decay constants of heavy vector mesons at finite temperature**
Veliev E. V. , Azizi K., SUNDU PAMUK H., Kaya G., Türkan A.
2nd International Conference on Particle Physics: In Memoriam Engin Arik and Her Colleagues, 20 - 27 June 2012
- XXII. **Mesons Spectral Functions at Finite Temperature**
Veliev E., Azizi K., SUNDU PAMUK H., Kaya G., Akşit N.
3rd International Conference on Hadron Physics (TROIA), Çanakkale, Turkey, 22 - 25 August 2011, vol.348

- XXIII. **Analyses of $g_{D s DK}$ and $g_{B s BK}$ vertices in QCD sum rules**
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., Azizi K.
2nd International Conference on Particle Physics: In Memoriam Engin Arik and Her Colleagues, 20 June - 27 August 2011, vol.347, pp.12035
- XXIV. **The Thermal Properties of Pseudoscalar Heavy Quarkonium**
veli veliev e., azizi k., SUNDU PAMUK H., aksit n.
2011 Europhysics Conference on High Energy Physics (EPS-HEP 2011), 21 - 27 July 2011, vol.444
- XXV. **The Thermal Properties of Pseudoscalar Heavy Quarkonium**
VELİ E., AZİZİ K., SUNDU PAMUK H., AKŞİT N.
The 2011 Europhysics Conference on High Energy Physics-HEP 2011, 21 - 27 July 2011
- XXVI. **B c Meson at Finite Temperature**
VELİ E., AZİZİ K., SUNDU PAMUK H., AKŞİT N.
Hadron Structure' 2011, 27 June - 01 July 2011, pp.170
- XXVII. **Heavy Light Mesons Decay Constants and Masses in QCD Sum Rule Approach**
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., AZIZI K., Yinelek N.
The Many Faces of QCD, 04 November 2010, vol.45, pp.1-10
- XXVIII. **Semileptonic $B_{sub c}$ to P Wave Charmonia $sub c_0 sub c_1 h sub c$ Transitions within QCD Sum Rules**
SUNDU PAMUK H., Azizi K., BAYAR NUHOĞLU M.
5th International Workshop on QCD - Theory and Experiment (QCD@Work 2010), Martina Franca, (Italy), 20 - 23 June 2010
- XXIX. **Semileptonic B_c to P-Wave Charmonia (X_c, X_{c1}, h_c) Transitions within QCD Sum Rules**
Sundu H., Azizi K., BAYAR M.
International Workshop on Quantum Chromodynamics: Theory and Experiment, Martina Franca, Italy, 20 - 23 June 2010, vol.1317, pp.298-299

Supported Projects

- SUNDU PAMUK H., Project Supported by Higher Education Institutions, Dört Quarklı Yapıların Yarı-Leptonik Geçişlerinin İncelenmesi, 2019 - Continues
- Baldan Işık İ., Yılmazkaya Süngü J., Veli E., Sundu Pamuk H., Project Supported by Other Official Institutions, HAFİF DÖRT KUARKLI YAPILARIN FİZİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2018 - 2019
- SUNDU PAMUK H., YILMAZKAYA SÜNGÜ J., Project Supported by Higher Education Institutions, PC(4380) VE PC(4450) PENTAKUARKLARIN GÜÇLÜ ETKİLEŞMELERİNİN İNCELENMESİ, 2017 - 2018
- Veli E., Yılmazkaya Süngü J., Sundu Pamuk H., Project Supported by Higher Education Institutions, Pc(4380) ve Pc(4450) PENTAKUARKLARIN GÜÇLÜ ETKİLEŞMELERİNİN İNCELENMESİ, 2017 - 2017
- SUNDU PAMUK H., Project Supported by Higher Education Institutions, $Z_c(3900) \rightarrow J/\psi \gamma$ KÖŞESİNİN IŞIK KONİSİ KRD TOPLAM KURALLARI İLE İNCELENMESİ, 2015 - 2016
- SUNDU PAMUK H., TUBITAK Project, Egzotik ve ağır mezonların etkileşim noktaları özelliklerinin KRD toplam kuralları yöntemiyle incelenmesi, 2015 - 2016
- SUNDU PAMUK H., Project Supported by Higher Education Institutions, HADRONLARIN GÜÇLÜ KUBLAJ SABİTLERİNİN HESAPLANMASI, 2014 - 2015

Citations

Total Citations (WOS):937

h-index (WOS):17