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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2003 - 2007

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1999 - 2003

Lisans, Balıkesir Üniversitesi, Necatibey Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Türkiye 1994 - 1998

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Fizik, Temel Parçacıklar ve Alanlar , Özel parçacıkların özellikleri, Özel reaksiyonlar ve fenomenoloji, Özel teoriler ve etkileşme modelleri, parçacık sistematiği, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013 - Devam Ediyor

Yrd.Doç.Dr., Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2008 - 2013

Araştırma Görevlisi, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2007

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2000 - 2007

Akademik İdari Deneyim

Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013 - Devam Ediyor

Verdiği Dersler

İleri Kuantum Mekaniği, Doktora, 2017 - 2018

Yönetilen Tezler

SUNDU PAMUK H., Ekzotik X(5568) ve Lamda(1405) Parçacıklarının İncelenmesi, Yüksek Lisans, B.Barsbay(Öğrenci), 2017

SUNDU PAMUK H., AKSİYAL-VEKTÖR MEZONLARIN KÜTLE VE LEPTONİK BOZUNUM SABİTLERİNİN HESAPLANMASI VE KÖŞELERİNİN ANALİZİ, Yüksek Lisans, S.Şahin(Öğrenci), 2011

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **New scalar resonance X-0(2900) as a $(D)\overline{bar}^*K^*$ molecule: mass and width**
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- II. **Vector resonance X-1(2900) and its structure**
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- III. **Newly discovered Xi(0)(c) resonances and their parameters**
Agaev S. S. , Azizi K., Sundu H.
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- IV. **Investigation of P-cs(4459)(0) pentaquark via its strong decay to Lambda J/Psi**
Azizi K., Sarac Y., Sundu H.
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- V. **Properties of the P-c(4312) pentaquark and its bottom partner**
Azizi K., Sarac Y., Sundu H.
CHINESE PHYSICS C, cilt.45, sa.5, 2021 (SCI İndekslerine Giren Dergi)
- VI. **Determination of the possible quantum numbers for the newly observed Xi(b)(6227)(0) state**
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- VII. **Semileptonic and nonleptonic decays of the axial-vector tetraquark T-bb;(u)over-bar(d)over-bar(-)**
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- VIII. **A family of double-beauty tetraquarks: Axial-vector state T-bb;(us)over-bar(-)**
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- IX. **The scalar hexaquark uuddss: a candidate to dark matter?**
Azizi K., Agaev S. S. , Sundu H.
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- X. **Nucleon resonances with spin 3/2 and isospin 1/2**
Azizi K., Sarac Y., Sundu H.
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- XI. **New Lambda(b)(6072)(0) state as a 2S bottom baryon**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, cilt.102, 2020 (SCI İndekslerine Giren Dergi)
- XII. **Stable scalar tetraquark Tbb;(u)over-bar(d)over-bar(-)**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, cilt.56, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Heavy exotic scalar meson T(bb)over-bar;(u)over-bar(s)over-bar**
Agaev S. S. , Azizi K., Barsbay B., Sundu H.
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- XIV. **Lambda(b)(6146)(0) state newly observed by LHCb**
Azizi K., Sarac Y., Sundu H.
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- XV. **Nature of the vector resonance Y(2175)**

- Agaev S. S. , Azizi K., Sundu H.
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- XXVI. **Double-heavy axial-vector tetraquark $T_{bc};(\bar{u})\bar{(d)}\bar{(0)}$**
Agaev S. S. , Azizi K., Sundu H.
NUCLEAR PHYSICS B, cilt.951, 2020 (SCI İndekslerine Giren Dergi)
- XXVII. **Thermal behaviors of exotic $Z(c) (3900)$ state in tetraquark approach**
Isik I. B. , Sundu H., Veliev E.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, 2020 (SCI İndekslerine Giren Dergi)
- XXVIII. **Light scalar $K_0^* (700)$ meson in vacuum and a hot medium**
Azizi K., Barsbay B., Sundu H.
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- XXIX. **Decay modes of the scalar exotic meson $T_{bs};(\bar{u})\bar{(d)}\bar{(-)}$**
Agaev S. S. , Azizi K., Sundu H.
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- XX. **Light axial-vector and vector resonances $X(2100)$ and $X(2239)$**
Azizi K., Agaev S. S. , Sundu H.
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- XXI. **Semileptonic decays of the scalar tetraquark $Z_{bc};\bar{u}(0)$**
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- XXII. **Lepton flavor universality violation in semileptonic tree level weak transitions**
Azizi K., Sarac Y., Sundu H.
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- XXIII. **Strong decays of double-charmed pseudoscalar and scalar $cc(\bar{u})\bar{(d)}\bar{(-)}$ tetraquarks**
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- XXIV. **Determination of the quantum numbers of $\Sigma(b)(6097)(+/-)$ via their strong decays**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
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- XXV. **New charged resonance $Z(c)(-)(4100)$: the spectroscopic parameters and width**
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EUROPEAN PHYSICAL JOURNAL C, cilt.79, 2019 (SCI İndekslerine Giren Dergi)
- XXVI. **The nonet of the light scalar tetraquarks: The mesons $a_0(980)$ and $K_0^*(800)$**
AGAEV S. S. , Azizi K., Sundu H.
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- XXVII. **Weak decays of the axial-vector tetraquark $T_{bb};(\bar{u})\bar{(d)}\bar{(-)}$**
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- XXVIII. **The doubly charmed pseudoscalar tetraquarks $T_{cc};(\bar{s})\bar{(s)}\bar{++}$ and $T_{cc};(\bar{d})\bar{(d)}\bar{++}$**
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- XXIX. **Structure of the $\Xi(b)(6227)(-)$ resonance**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
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- XXX. **Nature of the Omega (2012) through its strong decays**
Aliev T. M. , Azizi K., Sarac Y., Sundu H.
EUROPEAN PHYSICAL JOURNAL C, cilt.78, 2018 (SCI İndekslerine Giren Dergi)
- XXXI. **On the nature $\Xi(c) (2930)$**
Aliev T. M. , AZIZI K., Sundu H.
EUROPEAN PHYSICAL JOURNAL A, cilt.54, 2018 (SCI İndekslerine Giren Dergi)

- XXXII. **Resonance Y (4660) as a vector tetraquark and its strong decay channels**
Sundu H., AGAEV S. S., Azizi K.
PHYSICAL REVIEW D, cilt.98, 2018 (SCI İndekslerine Giren Dergi)
- 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, cilt.784, ss.266-270, 2018 (SCI İndekslerine Giren Dergi)
- XXXIV. **Possible molecular pentaquark states with different spin and quark configurations**
Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, cilt.98, 2018 (SCI İndekslerine Giren Dergi)
- XXXV. **Interpretation of the newly discovered Omega(2012)**
Aliev T. M., Azizi K., Sarac Y., Sundu H.
PHYSICAL REVIEW D, cilt.98, 2018 (SCI İndekslerine Giren Dergi)
- 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.
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- XXXVII. **Strong decay of $P_c(4380)$ pentaquark in a molecular picture**
Azizi K., Sarac Y., Sundu H.
PHYSICS LETTERS B, cilt.782, ss.694-701, 2018 (SCI İndekslerine Giren Dergi)
- 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.
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- XXXIX. **Analysis of the structure of $\Xi(1690)$ through its decays**
Aliev T. M., AZIZI K., Sundu H.
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- XL. **Thermal properties of the exotic $X(3872)$ state via QCD sum rule**
Veliev E., GÜNAYDIN S., Sundu H.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.133, 2018 (SCI İndekslerine Giren Dergi)
- XLI. **Mass and residue of $\Lambda(1405)$ as hybrid and excited ordinary baryon**
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- XLII. **New $a(1)(1420)$ state: Structure, mass, and width**
Sundu H., AGAEV S. S., Azizi K.
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- XLIII. **Testing the doubly charged charm-strange tetraquarks**
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- XLIV. **Spectroscopic parameters and decays of the resonance $Z(b)(10610)$**
AGAEV S. S., Azizi K., Sundu H.
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- XLV. **Hidden bottom pentaquark states with spin $3/2$ and $5/2$**
Azizi K., Sarac Y., Sundu H.
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- XLVI. **Decay widths of the excited $\Omega(b)$ baryons**
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- XLVII. **Treating $Z(c)(3900)$ and $Z(4430)$ as the ground state and first radially excited tetraquarks**
AGAEV S. S., Azizi K., Sundu H.
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- XLVIII. **Interpretation of the new $\Omega(0)(c)$ states via their mass and width**
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EUROPEAN PHYSICAL JOURNAL C, cilt.77, 2017 (SCI İndekslerine Giren Dergi)

- XLIX. **Exploring the resonances X(4140) and X(4274) through their decay channels**
 AGAEV S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, cilt.95, 2017 (SCI İndekslerine Giren Dergi)
- L. **On the nature of the newly discovered Omega states**
 AGAEV S. S. , Azizi K., Sundu H.
 EPL, cilt.118, 2017 (SCI İndekslerine Giren Dergi)
- 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, cilt.95, 2017 (SCI İndekslerine Giren Dergi)
- LII. **Open charm-bottom axial-vector tetraquarks and their properties**
 AGAEV S. S. , Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, 2017 (SCI İndekslerine Giren Dergi)
- LIII. **Radial excitations of the decuplet baryons**
 Aliev T. M. , Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, 2017 (SCI İndekslerine Giren Dergi)
- LIV. **Scalar and vector self-energies of heavy baryons in nuclear medium**
 Azizi K., Er N., Sundu H.
 NUCLEAR PHYSICS A, cilt.960, ss.147-164, 2017 (SCI İndekslerine Giren Dergi)
- LV. **Open charm-bottom scalar tetraquarks and their strong decays**
 AGAEV S. S. , Azizi K., Sundu H.
 PHYSICAL REVIEW D, cilt.95, 2017 (SCI İndekslerine Giren Dergi)
- LVI. **Resonance X(5568) as an exotic axial-vector state**
 AGAEV S. S. , Azizi K., BARSBAY B., Sundu H.
 EUROPEAN PHYSICAL JOURNAL A, cilt.53, 2017 (SCI İndekslerine Giren Dergi)
- LVII. **Mass and magnetic dipole moment of negative-parity heavy baryons with spin-3/2**
 Azizi K., Sundu H.
 EUROPEAN PHYSICAL JOURNAL PLUS, cilt.132, 2017 (SCI İndekslerine Giren Dergi)
- LVIII. **Impact of finite density on spectroscopic parameters of decuplet baryons**
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- LIX. **Exploring X(5568) as a meson molecule**
 AGAEV S. S. , Azizi K., Sundu H.
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- 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.
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- 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.
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- LXII. **Charmed partner of the exotic X(5568) state and its properties**
 Agaev S. S. , Azizi K., Sundu H.
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- LXIII. **On the strong coupling N(*)N(*)pi**
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- LXIV. **Mass and decay constant of the newly observed exotic X(5568) state**
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- LXV. **Strong Z(c)(+)(3900) -> J/psi pi(+); eta c rho(+)-decays in QCD**

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YAZICI E., Sundu H., Veliev E.
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- LXVII. **Transition Form Factors of $\chi(b_2)(1P) \rightarrow B-c(l)\overline{bar}v$ in QCD**
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- LXVIII. **Strong D-s*D-s $\eta(\prime)$ and B-s*B-s $\eta(\prime)$ vertices from QCD light-cone sum rules**
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- LXX. **Positive and negative parity hyperons in nuclear medium**
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- LXXI. **Strong couplings of negative and positive parity nucleons to the heavy baryons and mesons**
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- LXXII. **Radiative transition of negative to positive parity nucleon**
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- LXXIII. **Semileptonic Bs \rightarrow Ds2*(2573) l(nu)over-barl transition in QCD**
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- LXXIV. **Semileptonic B \rightarrow (D)over-bar transition in a nuclear medium**
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- LXXV. **Radiative Omega(Q)* \rightarrow Omega(Q)gamma and Xi(Q)* \rightarrow Xi(Q)'gamma transitions in light cone QCD**
Aliiev T. M. , Azizi K., Sundu H.
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- LXXVI. **Thermal Properties of Light Tensor Mesons via QCD Sum Rules**
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- LXXVII. **Strong Lambda bNB and Lambda cND vertices**
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- LXXVIII. **Semileptonic Transition of Tensor c2 1P to DsDs Meson**
YILMAZKAYA SÜNGÜ J., SUNDU PAMUK H., AZIZI K.
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- 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**
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- LXXX. **More about the B B and D D mesons in nuclear matter**
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- LXXXI. **Thermal properties of D-2* (2460) and D-s2*(2573) tensor mesons using QCD sum rules**
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- LXXXII. **Semileptonic Transition of Tensor $\chi(c_2)(1P)$ to D-s Meson**
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- LXXXIII. **THERMAL PROPERTIES OF THE HEAVY AXIAL VECTOR QUARKONIA**
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- LXXXIV. **Investigation of the B-c $\rightarrow \chi(c_2)1(\bar{\nu})(-)$ transition via QCD sum rules**
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- LXXXV. **Investigation of the D (s) (*) D-s eta ((')) and B (s) (*) B-s eta ((')) vertices via QCD sum rules**
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- LXXXVI. **Investigation of the semileptonic transition of the B into the orbitally excited charmed tensor meson**
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- LXXXVII. **Properties of Ds2 2573 charmed strange tensor meson**
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- LXXXVIII. **Semileptonic transition of P-wave bottomonium $\chi(b_0)(1P)$ to B-c meson**
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- LXXXIX. **Mass and meson-current coupling constant of the tensor D-2*(2460)**
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