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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1999 - 2001

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1998 - 1999

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Yabancı Diller

İngilizce, C1 İleri

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İtalyanca, B2 Orta Üstü

Araştırma Alanları

Fizik, Temel Parçacıklar ve Alanlar , Özel reaksiyonlar ve fenomenoloji, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2010 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2008 - 2010

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2005 - 2008

Araştırma Görevlisi, Infn, Bari, İtalya, 2004 - 2005

Araştırma Görevlisi, Ictp, Yüksek Enerji Fiziği, 2001 - 2004

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1999 - 2001

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1998 - 1999

Akademik İdari Deneyim

Dekan, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2021 - Devam Ediyor
Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2017 - 2021
Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2016 - 2017
Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2011 - 2015

Yönetilen Tezler

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ÖZPİNECİ A., Mezon moleküllerine kuarkonyum katkısı, Doktora, E.CİNÇİOĞLU(Öğrenci), 2016
ÖZPİNECİ A., Leading twist light cone distribution amplitudes of p-wave heavy quarkonia and their couplings to pseudoscalar and vector mesons, Doktora, M.ALİ(Öğrenci), 2016
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ÖZPİNECİ A., Meson spectrum in non-relativistic quark models, Yüksek Lisans, F.DİDEM(Öğrenci), 2014
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ÖZPİNECİ A., D* D Pi coupling constant in 2+1 flavor lattice QCD, Yüksek Lisans, K.UTKU(Öğrenci), 2012
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ÖZPİNECİ A., Rapidly rotating ultracold atoms in harmonic traps, Doktora, N.GHAZANFARI(Öğrenci), 2011
ÖZPİNECİ A., Properties of light and heavy baryons in light cone QCD sum rules formalism, Doktora, K.AZİZİ(Öğrenci), 2009
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ÖZPİNECİ A., Strong decays of the DSJ (2317) mesons using QCD sum rules, Yüksek Lisans, U.AYDEMİR(Öğrenci), 2007
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- I. **Reanalysis of rare radiative $\Xi_b^- \rightarrow \Xi^- \gamma$ decay in QCD**
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- II. **Radiative decays of the spin- 3/2 to spin- 1/2 doubly heavy baryons in QCD**
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- V. **On the calculation of covariant expressions for Dirac bilinears**
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- VI. **B → T transition form factors in light-cone sum rules**
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- VII. **Radiative decay of the X(3872) as a mixed molecule-charmonium state in effective field theory**
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- VIII. **X(3872) and its heavy quark spin symmetry partners in QCD sum rules**
Mutuk H., Sarac Y., Gumus H., ÖZPİNECİ A.
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- XIII. **Isovector axial vector form factors of octet-decuplet hyperon transition in QCD**
KÜÇÜKARSLAN A., Ozdem U., ÖZPİNECİ A.
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- XIV. **Isovector axial vector and pseudoscalar transition form factors of Delta in QCD**
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- XV. **Detecting the long-distance structure of the X(3872)**
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- XVI. **X(3872) and its partners in the heavy quark limit of QCD**
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- XVII. **Hidden beauty molecules within the local hidden gauge approach and heavy quark spin symmetry**
ÖZPİNECİ A., Xiao C., Oset E.
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- XVIII. **QCD sum rules for the coupling constants of vector mesons to octet baryons**
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- XIX. **Vector and axial-vector couplings of D and D* mesons in 2+1 flavor lattice QCD**
Can K. U., ERKOL G., Oka M., ÖZPİNECİ A., Takahashi T. T.
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- XX. **Semileptonic transition of Sigma(b) to Sigma in light cone QCD sum rules**
AZİZİ K., BAYAR M., ÖZPİNECİ A., SARAÇ OYMAK Y., SUNDU PAMUK H.
PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)
- XXI. **Tensor form factors of nucleon in QCD**
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- PHYSICS LETTERS B, cilt.704, sa.5, ss.551-558, 2011 (SCI-Expanded)
- XXII. Isovector axial-vector form factors of octet baryons in QCD**
ERKOL G., ÖZPİNECİ A.
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- XXIII. Mixing angle of hadrons in QCD: A new view**
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- XXIV. The semileptonic B to K-1(1270,1400) decays in QCD sum rules**
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- XXV. g(Sigma Q Sigma Q pi) coupling constant via light cone QCD sum rules**
AZİZİ K., BAYAR M., ÖZPİNECİ A., SARAÇ OYMAK Y.
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- XXVI. Mass Formulas for Xi(c) and Xi(b) Baryons**
Aliev T., Zamiralov V. S., ÖZPİNECİ A.
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- XXVII. Light vector meson octet-decuplet baryon vertices in QCD**
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- XXVIII. Pseudoscalar-meson decuplet-baryon coupling constants in light cone QCD**
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- XXIX. Magnetic and quadrupole moments of light spin-1 mesons in light cone QCD sum rules**
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- XXX. Tree level semileptonic Sigma b to nucleon decay in light cone QCD sum rules**
Azizi K., BAYAR M., ÖZPİNECİ A., SARAÇ OYMAK Y.
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- XXXI. Vector meson-baryon strong coupling constants in light cone QCD sum rules**
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- XXXIII. Radiative decays of the heavy flavored baryons in light cone QCD sum rules**
ALIYEV T., Azizi K., ÖZPİNECİ A.
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- XXXIV. Mass and magnetic moments of the heavy flavored baryons with J=3/2 in light cone QCD sum rules**
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- XXXV. Nucleon electromagnetic form factors in QCD**
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- XXXVI. Magnetic moments of heavy Xi Q baryons in light cone QCD sum rules**
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- XXXVII. Light cone QCD sum rules analysis of the axial N ->Delta transition form factors**
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- XXXVIII. Semileptonic B-s -> D-sJ(2460)l nu decay in QCD**
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- XXXIX. QCD sum rules for the coupling constants g(KYN) and g(KY Xi)**
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- XL. Meson-octet-baryon couplings using light cone QCD sum rules**
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- XLI. Sum rules in QCD for $g \eta\Lambda\Lambda$ and $g \pi\Lambda\Sigma$**
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- XLII. Radiative decays of decuplet to octet baryons in light cone QCD**
 Aliev T., Ozpineci A.
 NUCLEAR PHYSICS B, cilt.732, ss.291-320, 2006 (SCI-Expanded)
- XLIII. Radiative transitions of D-sJ(*)2317 and D-sJ2460 - art. no. 072004**
 Colangelo P., De Fazio F., ÖZPİNECİ A.
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- XLIV. QCD sum rules: Intercrossed relations for the $\Sigma^0-\Lambda$ mass splitting**
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- XLV. New relations between borel sum rules for the magnetic moments of the Σ^0 and Λ hyperons**
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- XLVI. Form factors of $D-s(+)$ -> $\phi(l)\bar{\nu}$ decay in QCD light cone sum rule**
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- XLVII. Fourth generation effects in processes induced by the $b \rightarrow s$ transition**
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 EUROPEAN PHYSICAL JOURNAL C, cilt.29, sa.2, ss.265-270, 2003 (SCI-Expanded)
- XLVIII. Semileptonic $B \rightarrow \eta\bar{\nu}$ decay in light cone QCD**
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- XLIX. Fourth generation effects in rare $B_s \rightarrow l^+l^-$ and $B_s \rightarrow l^+l^-\gamma$ decays**
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- L. Model independent analysis of Lambda baryon polarizations in $\Lambda(b) \rightarrow \Lambda l^+l^-$ decay**
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- LI. Exclusive $\Lambda(b) \rightarrow \Lambda l^+l^-$ decay beyond standard model**
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- LII. T-odd correlations in $B \rightarrow K(*)l^+l^-$ decay beyond the standard model**
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- LIV. Octet baryon magnetic moments in light cone QCD sum rules**
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- LV. Q-ball formation in the wake of Hubble-induced radiative corrections**
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- LVI. **New physics effects in Lambda(b)->Lambda l(+)l(-) decay with lepton polarizations**
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- LVII. **Magnetic moments of Lambda(b) and Lambda(c) baryons in light cone QCD sum rules**
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- LVIII. **Radiative phi -> f(0)(980)gamma decay in light cone QCD sum rules**
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- LIX. **General analysis of time evolution of decay spectrum in B-0 -> pi(+)pi(-)l(+)l(-)**
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- LX. **g(rho sigma gamma) coupling constant in light cone QCD**
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- LXI. **Sigma(Q)Lambda(Q) transition magnetic moments in light cone QCD sum rules**
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- LXII. **Rare B -> l(+)l(-)gamma decay and new physics effects**
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- LXIII. **The Sigma(0)Lambda transition magnetic moment in light cone QCD sum rules**
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- LXIV. **Exclusive B -> K*l(+)l(-) decay with polarized K* and new physics effects**
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- LXV. **Rare B -> K*nu(nu)over-bar decay beyond standard model**
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- LXVI. **Meson-baryon couplings and the F/D ratio in light cone QCD**
 Aliev T., Ozpineci A., Savci M.
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- LXVII. **New physics effects to the lepton polarizations in the B -> Kl(+)l(-) decay**
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- LXIX. **Fourth generation effects in rare exclusive B -> K*l(+)l(-) decay**
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- LXXI. **Excited heavy masons decay form factors in light cone QCD**
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- LXXII. **Two Higgs doublet model and lepton polarization in the B -> K tau(+)tau(-) decay**

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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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Yayın: 101
Atıf (WoS): 1409
Atıf (Scopus): 1522
H-İndeks (WoS): 24
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Kongre ve Sempozyum Katılımı Faaliyetleri

QED and QCD Effects in Atomic and Hadron Physics, Davetli Konuşmacı, Lanzhou, Çin, 2018

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