

## Prof. OSMAN YILMAZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-7078-2020

ScopusID: 57190732046

Yoksis Researcher ID: 1307

### Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1984 - 1990

Postgraduate, Karadeniz Technical University, Fen Fakültesi, Fizik Bölümü, Turkey 1981 - 1983

Undergraduate, Selcuk University, Faculty Of Science, Department Of Physics, Turkey 1976 - 1980

### Dissertations

Doctorate, The Magnetic moments, beta-decay rates and elastic magnetic form factors of light-nuclei, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 1990

Postgraduate, Çiftleşim Etkileşmesinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 1983

### Research Areas

Physics, Nuclear physics, General Nuclear Reactions, Natural Sciences

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2002 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1994 - 2001

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1993 - 1995

Lecturer PhD, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1990 - 1993

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1984 - 1990

Research Assistant, Yüzüncü Yıl Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1981 - 1984

### Courses

QUANTUM PHYSICS, Undergraduate, 2022 - 2023

## Advising Theses

- YILMAZ O., Quantal description of spinodal instabilities in a symmetric nuclear matter, Doctorate, F.ACAR(Student), 2017
- YILMAZ O., Gamma-ray spectroscopy and multipolarity measurements of the proton-rich nucleus  $^{91}\text{Ru}$ , Postgraduate, Ö.AKTAŞ(Student), 2013
- YILMAZ O., Gamma-ray spectroscopy and multipolarity measurements of the proton-rich nucleus  $^9\text{eRu}$ , Postgraduate, Ö.Aktaş(Student), 2013
- YILMAZ O., Semi-classical description of spinodal instabilities of asymmetric nuclear matter in a relativistic stochastic model, Postgraduate, S.SAATÇI(Student), 2013
- YILMAZ O., Spinodal instabilities in symmetric nuclear matter within a density-dependent relativistic mean-field approach, Postgraduate, B.DANIŞMAN(Student), 2011
- YILMAZ O., Spinodal instabilities in symmetric nuclear matter within a nonlinear relativistic mean-field approach, Postgraduate, F.ACAR(Student), 2011
- YILMAZ O., Analysis of kappa meson in light cone QCD sum rules, Postgraduate, G.BAYTEMİR(Student), 2011
- YILMAZ O., Nuclear spinodal instabilities in stochastic mean-field approaches, Doctorate, N.ER(Student), 2009
- YILMAZ O., Stochastic approach to fusion dynamics, Doctorate, B.YILMAZ(Student), 2007
- YILMAZ O., Scalar mesons in radiative phi-meson decays into neutral K-meson states, Postgraduate, C.ŞİŞMAN(Student), 2006
- YILMAZ O., Multidimensional quantum tunnelling formulation of oxygen-16 and uranium-238 reaction, Postgraduate, M.Tamer(Student), 2004
- YILMAZ O., Multimedimensional quantum tunnelling formulation of oxygen-16 and uranium-238 reaction, Postgraduate, T.MURAT(Student), 2004
- YILMAZ O., Collisional effects in isovector response function of nuclear matter at finite temperature, Doctorate, K.BOZKURT(Student), 2003
- YILMAZ O., The effects of p-w mixing in radiative vector meson decays, Doctorate, A.KÜÇÜKARSLAN(Student), 2003
- YILMAZ O., Some theoretical investigations concerning vector meson photoproduction, Doctorate, H.BABACAN(Student), 2002
- YILMAZ O., Collisional damping of giant resonances with finite range effective interaction, Postgraduate, A.Tarikci(Student), 2001
- YILMAZ O., Scalar meson contributions to radiative vector meson decays, Postgraduate, Y.SARAÇ(Student), 2001
- YILMAZ O., Collisional damping of grant resonances with finite range effective interaction, Postgraduate, A.TARİKCİ(Student), 2001
- YILMAZ O., Temperature dependent isovector response function of nuclear matter with skryme forces, Postgraduate, K.BOZKURT(Student), 1999
- YILMAZ O., Temperature dependent isovector response function of nuclear matter with skyrme forces, Postgraduate, K.Bozkurt(Student), 1999

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A quantal diffusion approach for multinucleon transfer in heavy-ion collisions**  
Kayaalp A., ARIK M., Ocal S., YILMAZ O., Ayik S., Umar A.  
Nuclear Physics A, vol.1050, 2024 (SCI-Expanded)
- II. **A theoretical study on quasifission and fusion-fission processes in heavy-ion collisions**  
Kayaalp A., Ocal S., Yaprakli B., ARIK M., Ayik S., YILMAZ O., Umar A.  
European Physical Journal A, vol.60, no.4, 2024 (SCI-Expanded)
- III. **Beam-Squint-Aware Channel Estimation for Dual-Wideband UPA-Type RIS-Aided Massive MIMO**  
Ozen H., YILMAZ O., GÜVENSEN G. M.

IEEE COMMUNICATIONS LETTERS, vol.28, no.10, pp.2367-2371, 2024 (SCI-Expanded)

- IV. **Description of the multinucleon transfer mechanism for Ca 48 + Pu 244 and Kr 86 + Pt 198 reactions in a quantal transport approach**  
Arik M., Ayik S., Yilmaz O., Umar A. S.  
Physical Review C, vol.108, no.6, 2023 (SCI-Expanded)
- V. **Multinucleon transfer mechanism in Cf 250 + Th 232 collisions using the quantal transport description based on the stochastic mean-field approach**  
Ayik S., ARIK M., YILMAZ O., YILMAZ B., Umar A.  
Physical Review C, vol.107, no.1, 2023 (SCI-Expanded)
- VI. **Quantal diffusion description of isotope production via the multinucleon transfer mechanism in Ca-48+U-238 collisions**  
Ayik S., Arik M., Karanfil E. C., YILMAZ O., Yilmaz B., Umar A. S.  
PHYSICAL REVIEW C, vol.104, no.5, 2021 (SCI-Expanded)
- VII. **Merging of transport theory with the time-dependent Hartree-Fock approach: Multinucleon transfer in U+ U collisions**  
Ayik S., Yilmaz B., Yilmaz O., Umar A. S.  
Physical Review C, vol.102, no.2, 2020 (SCI-Expanded)
- VIII. **Quasi-fission and fusion-fission reactions in Ca-48+Pb-208 collisions at E-c.m.=190 MeV**  
Yilmaz O., Turan G., Yilmaz B.  
EUROPEAN PHYSICAL JOURNAL A, vol.56, 2020 (SCI-Expanded)
- IX. **Heavy-isotope production in Xe-136 + Pb-208 collisions at E-c.m. =514 MeV**  
Ayik S., Yilmaz O., Yilmaz B., Umar A. S.  
PHYSICAL REVIEW C, vol.100, no.4, 2019 (SCI-Expanded)
- X. **Quantal diffusion approach for multinucleon transfers in Xe plus Pb collisions**  
Ayik S., Yilmaz B., Yilmaz O., Umar A. S.  
PHYSICAL REVIEW C, vol.100, no.1, 2019 (SCI-Expanded)
- XI. **Multinucleon transfer in Ni-58+Ni-60 and Ni-60+Ni-60 in a stochastic mean-field approach**  
Yilmaz B., Ayik S., Yilmaz O., Umar A. S.  
PHYSICAL REVIEW C, vol.98, 2018 (SCI-Expanded)
- XII. **Quantal diffusion description of multinucleon transfers in heavy-ion collisions**  
Ayik S., Yilmaz B., Yilmaz O., Umar A. S.  
PHYSICAL REVIEW C, vol.97, 2018 (SCI-Expanded)
- XIII. **Multinucleon transfer in central collisions of U-238+U-238**  
Ayik S., YILMAZ B., YILMAZ TÜZÜN Ö., Umar A. S., TURAN G.  
PHYSICAL REVIEW C, vol.96, no.2, 2017 (SCI-Expanded)
- XIV. **Quantal nucleon diffusion: Central collisions of symmetric nuclei**  
Ayik S., YILMAZ TÜZÜN Ö., YILMAZ B., Umar A. S.  
PHYSICAL REVIEW C, vol.94, no.4, 2016 (SCI-Expanded)
- XV. **Multinucleon exchange in quasifission reactions**  
Ayik S., YILMAZ B., YILMAZ O.  
PHYSICAL REVIEW C, vol.92, no.6, 2015 (SCI-Expanded)
- XVI. **Growth of spinodal instabilities in nuclear matter. II. Asymmetric matter**  
ACAR F. P., Ayik S., YILMAZ O., GÖKALP A.  
PHYSICAL REVIEW C, vol.92, no.3, 2015 (SCI-Expanded)
- XVII. **Quantal description of nucleon exchange in a stochastic mean-field approach**  
Ayik S., YILMAZ TÜZÜN Ö., YILMAZ B., Umar A. S., GÖKALP A., TURAN G., Lacroix D.  
PHYSICAL REVIEW C, vol.91, no.5, 2015 (SCI-Expanded)
- XVIII. **Growth of spinodal instabilities in nuclear matter**  
YILMAZ O., Ayik S., ACAR F. P., GÖKALP A.  
PHYSICAL REVIEW C, vol.91, no.1, 2015 (SCI-Expanded)
- XIX. **Nucleon exchange in heavy-ion collisions within a stochastic mean-field approach**

- YILMAZ B., Ayik S., Lacroix D., YILMAZ TÜZÜN Ö.  
PHYSICAL REVIEW C, vol.90, no.2, 2014 (SCI-Expanded)
- XX. **Investigations of spinodal dynamics in asymmetric nuclear matter within a stochastic relativistic model**  
YILMAZ O., Ayik S., ACAR F. P., Saatci S., GÖKALP A.  
EUROPEAN PHYSICAL JOURNAL A, vol.49, no.3, 2013 (SCI-Expanded)
- XXI. **Quantal description of instabilities in nuclear matter in a stochastic relativistic model**  
YILMAZ TÜZÜN Ö., Ayik S., Gokalp A.  
EUROPEAN PHYSICAL JOURNAL A, vol.47, no.10, 2011 (SCI-Expanded)
- XXII. **Investigations of instabilities in nuclear matter in stochastic relativistic models**  
Ayik S., YILMAZ TÜZÜN Ö., ACAR F. P., Danisman B., ER N., Gokalp A.  
NUCLEAR PHYSICS A, vol.859, no.1, pp.73-86, 2011 (SCI-Expanded)
- XXIII.  **$\kappa$  K+ $\pi$ (-) vertex in light cone QCD sum rules**  
Baytemir G., SARAÇ OYMAK Y., YILMAZ O.  
PHYSICAL REVIEW D, vol.81, no.9, 2010 (SCI-Expanded)
- XXIV. **Spinodal instabilities in nuclear matter in a stochastic relativistic mean-field approach**  
Ayik S., YILMAZ TÜZÜN Ö., Er N., Gokalp A., Ring P.  
PHYSICAL REVIEW C, vol.80, no.3, 2009 (SCI-Expanded)
- XXV. **Scalar  $f(0)$  and  $a(0)$  mesons in radiative  $\phi \rightarrow K+K\text{-}\gamma$  decay**  
Gokalp A., Ozturk F., YILMAZ O.  
PHYSICS LETTERS B, vol.671, no.3, pp.369-373, 2009 (SCI-Expanded)
- XXVI. **Quantal effects on spinodal instabilities in charge asymmetric nuclear matter**  
Ayik S., Er N., YILMAZ TÜZÜN Ö., Gokalp A.  
NUCLEAR PHYSICS A, vol.812, pp.44-57, 2008 (SCI-Expanded)
- XXVII. **Isovector response of nuclear matter at finite temperature**  
Ayik S., BOZKURT K., Gokalp A., YILMAZ TÜZÜN Ö.  
ACTA PHYSICA POLONICA B, vol.39, no.6, pp.1413-1427, 2008 (SCI-Expanded)
- XXVIII.  **$\kappa$  K\*(0) $\gamma$ -vertex in light cone QCD sum rules**  
Gokalp A., SARAÇ OYMAK Y., YILMAZ TÜZÜN Ö.  
PHYSICAL REVIEW D, vol.77, no.11, 2008 (SCI-Expanded)
- XXIX. **Scalar mesons in radiative  $\phi \rightarrow (KK-0)\text{-}K-0$   $\gamma$  decay**  
Gokalp A., Korkmaz C. S., Yilmaz O.  
PHYSICAL REVIEW D, vol.75, no.1, 2007 (SCI-Expanded)
- XXX. **Method for numerical simulation of two-term exponentially correlated colored noise**  
Yilmaz B., Ayik S., Abe Y., Gokalp A., Yilmaz O.  
PHYSICAL REVIEW E, vol.73, no.4, 2006 (SCI-Expanded)
- XXXI. **Quantum statistical effects on fusion dynamics of heavy ions**  
Ayik S., Yilmaz B., Gokalp A., Yilmaz O., Takigawa N.  
PHYSICAL REVIEW C, vol.71, no.5, 2005 (SCI-Expanded)
- XXXII. **An analysis of  $f(0)$ - $\sigma$  mixing in light cone QCD sum rules**  
Gokalp A., Sarac Y., Yilmaz O.  
PHYSICS LETTERS B, vol.609, no.3-4, pp.291-297, 2005 (SCI-Expanded)
- XXXIII. **The coupling constant  $g(a_0 \pi \eta)$  as derived from light-cone QCD sum rules**  
Gokalp A., Sarac Y., Yilmaz O.  
MODERN PHYSICS LETTERS A, vol.19, no.40, pp.3011-3017, 2004 (SCI-Expanded)
- XXXIV.  **$a(0)K(+)\text{-}K(-)$  vertex in light cone QCD sum rules**  
Gokalp A., Yilmaz O.  
PHYSICAL REVIEW D, vol.69, no.7, 2004 (SCI-Expanded)
- XXXV. **Collisional effects in isovector response function of nuclear matter at finite temperature**  
Ayik S., Gokalp A., Yilmaz O., Bozkurt K.  
ACTA PHYSICA POLONICA B, vol.34, no.8, pp.4229-4239, 2003 (SCI-Expanded)

- XXXVI. **sigma-meson and omega-rho mixing effects in omega  $\rightarrow$  pi(+)pi(-)gamma decay**  
 Gokalp A., Kucukarslan A., Solmaz S., Yilmaz O.  
 ACTA PHYSICA POLONICA B, vol.34, no.8, pp.4095-4104, 2003 (SCI-Expanded)
- XXXVII. **Vector meson dominance, chiral loops, sigma meson, and omega-rho mixing in omega  $\rightarrow$  pi(0)pi(0)gamma decay**  
 Gokalp A., Kucukarslan A., Yilmaz O.  
 PHYSICAL REVIEW D, vol.67, no.7, 2003 (SCI-Expanded)
- XXXVIII. **Scalar sigma meson effects in radiative rho(0)-meson decays**  
 Gokalp A., Solmaz S., Yilmaz O.  
 PHYSICAL REVIEW D, vol.67, no.7, 2003 (SCI-Expanded)
- XXXIX. **Scalar a(0)(980) meson in phi  $\rightarrow$  pi(0)eta gamma decay**  
 Gokalp A., Kucukarslan A., Solmaz S., Yilmaz O.  
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.28, no.11, pp.2783-2793, 2002 (SCI-Expanded)
- XL. **The omega sigma gamma-vertex in light cone QCD sum rules**  
 Gokalp A., Yilmaz O.  
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.28, no.6, pp.1287-1291, 2002 (SCI-Expanded)
- XLI. **The coupling constants g(rho pi gamma) and g(omega pi gamma) as derived from QCD sum rules**  
 Gokalp A., Yilmaz O.  
 EUROPEAN PHYSICAL JOURNAL C, vol.24, no.1, pp.117-120, 2002 (SCI-Expanded)
- XLII. **Coupling constants g(phi sigma gamma) and g(phi alpha o gamma) as derived from QCD sum rules**  
 Gokalp A., Yilmaz O.  
 ACTA PHYSICA POLONICA B, vol.33, no.5, pp.1313-1323, 2002 (SCI-Expanded)
- XLIII. **omega-meson photoproduction on nucleons in the near-threshold region**  
 Babacan H., Babacan T., Gokalp A., Yilmaz O.  
 EUROPEAN PHYSICAL JOURNAL A, vol.13, no.3, pp.355-362, 2002 (SCI-Expanded)
- XLIV. **A theoretical study of rho(0)-photoproduction on nucleons near threshold**  
 Babacan H., Babacan T., Gokalp A., Yilmaz O.  
 ACTA PHYSICA POLONICA B, vol.33, no.2, pp.691-706, 2002 (SCI-Expanded)
- XLV. **The phi a(0)gamma- and phi sigma gamma-vertices in light cone QCD**  
 Gokalp A., Yilmaz O.  
 PHYSICS LETTERS B, vol.525, no.3-4, pp.273-276, 2002 (SCI-Expanded)
- XLVI. **Scalar alpha(0)-meson contributions to radiative omega  $\rightarrow$  pi(0)eta gamma and rho(0) $\rightarrow$  pi(0)eta gamma decays**  
 Gokalp A., Sarac Y., Yilmaz O.  
 EUROPEAN PHYSICAL JOURNAL C, vol.22, no.2, pp.327-330, 2001 (SCI-Expanded)
- XLVII. **Coupling constants g alpha(0)omega gamma and g alpha(0)p gamma as derived from QCD sum rules**  
 Gokalp A., Yilmaz O.  
 EUROPEAN PHYSICAL JOURNAL C, vol.22, no.2, pp.323-326, 2001 (SCI-Expanded)
- XLVIII. **Radiative rho(+) $\rightarrow$  pi(+ )gamma decay in light cone QCD**  
 Gokalp A., Yilmaz O.  
 ACTA PHYSICA POLONICA B, vol.32, no.10, pp.2921-2927, 2001 (SCI-Expanded)
- XLIX. **Interference effects in the decay phi  $\rightarrow$  pi(0)pi(0)gamma and the coupling constant g(phi sigma gamma)**  
 Gokalp A., Yilmaz O.  
 PHYSICAL REVIEW D, vol.64, no.5, 2001 (SCI-Expanded)
- L. **Coupling constant g (rho sigma gamma) as derived from QCD sum rules**  
 Gokalp A., Yilmaz O.  
 PHYSICAL REVIEW D, vol.64, no.3, 2001 (SCI-Expanded)
- LI. **The decay rho(0)  $\rightarrow$  pi(0)pi(0)gamma and the role of sigma-meson**  
 Gokalp A., Yilmaz O.  
 PHYSICS LETTERS B, vol.508, no.1-2, pp.25-30, 2001 (SCI-Expanded)

- LII. **Collisional damping of giant dipole resonance in Sn-120 and Pb-208**  
Gokalp A., Yilmaz O., Yildirim S., Ayik S.  
ACTA PHYSICA POLONICA B, vol.32, no.3, pp.835-839, 2001 (SCI-Expanded)
- LIII. **Collisional damping of giant monopole and quadrupole resonances**  
Yildirim S., Gokalp A., Yilmaz O., Ayik S.  
EUROPEAN PHYSICAL JOURNAL A, vol.10, no.3, pp.289-294, 2001 (SCI-Expanded)
- LIV. **The role of sigma-meson in omega -> pi pi gamma decays and the coupling constant g(omega sigma gamma)**  
Gokalp A., Yilmaz O.  
PHYSICS LETTERS B, vol.494, no.1-2, pp.69-74, 2000 (SCI-Expanded)
- LV. **Decay rho(0)->pi(+)+pi(-)+gamma and the coupling constant g(rho sigma gamma)**  
Gokalp A., Yilmaz O.  
PHYSICAL REVIEW D, vol.62, no.9, 2000 (SCI-Expanded)
- LVI. **On the collisional damping of giant dipole resonance**  
Yilmaz O., Gokalp A., Yildirim S., Ayik S.  
PHYSICS LETTERS B, vol.472, no.3-4, pp.258-266, 2000 (SCI-Expanded)
- LVII. **Delta pi N coupling constant in light cone QCD sum rules**  
Gokalp A., Yilmaz O.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.25, no.12, pp.2345-2350, 1999 (SCI-Expanded)
- LVIII. **Collisional damping of nuclear collective vibrations in a non-Markovian transport approach**  
Ayik S., Yilmaz O., Gokalp A., Schuck P.  
PHYSICAL REVIEW C, vol.58, no.3, pp.1594-1603, 1998 (SCI-Expanded)
- LIX. **PARITY VIOLATION IN HEAVY-NUCLEI IN A RELATIVISTIC HARTREE-FOCK APPROXIMATION**  
HOROWITZ C., YILMAZ O.  
PHYSICAL REVIEW C, vol.49, no.6, pp.3042-3049, 1994 (SCI-Expanded)
- LX. **RARE B-MESON DECAYS IN SUPERSYMMETRY**  
ALIEV T., TURAN G., YILMAZ O.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS, vol.106, no.8, pp.1059-1069, 1993 (SCI-Expanded)
- LXI. **LOOKING FOR E6 MODEL MANIFESTATIONS IN TAU-DECAYS**  
ALIEV T., SULTANSOY S., YILMAZ O.  
PHYSICAL REVIEW D, vol.47, no.7, pp.2879-2881, 1993 (SCI-Expanded)
- LXII. **TAU-MU-E NONUNIVERSALITY AS INDICATION OF ORDINARY AND EXOTIC LEPTON MIXING**  
ALIEV T., SULTANSOY S., YILMAZ O.  
PHYSICS LETTERS B, vol.291, no.1-2, pp.106-108, 1992 (SCI-Expanded)
- LXIII. **PROPERTIES OF BC-MESON IN QCD SUM-RULES**  
ALIEV T., YILMAZ O.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS, vol.105, no.6, pp.827-833, 1992 (SCI-Expanded)
- LXIV. **CORE POLARIZATION EFFECTS ON THE MAGNETIC FORM-FACTORS OF N-15 AND O-17**  
GOKALP A., YILMAZ O.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS, vol.105, no.5, pp.695-702, 1992 (SCI-Expanded)
- LXV. **4TH GENERATION AND SUSY EFFECTS ON CP VIOLATION IN RARE B->K-PHI, KSTAR-PHI TRANSITIONS**  
ALIEV T., YILMAZ O.  
PHYSICS LETTERS B, vol.257, no.1-2, pp.92-98, 1991 (SCI-Expanded)

- I. **Quantal Diffusion in Heavy-Ion Collisions**  
YILMAZ O., YILMAZ B.  
XI. International Conference on Nuclear Structure Properties, Trabzon, Turkey, 12 - 14 October 2018, pp.195-200
- II. **Beyond mean field approach to nucleon exchange in deep inelastic heavy ion collisions**  
YILMAZ B., YILMAZ O., AYIK S., LACROIX D.  
NUFRA2015 Fifth International Conference on Nuclear Fragmentation, Antalya, Turkey, 4 - 11 October 2015
- III. **Nucleon diffusion in heavy ion collisions**  
SAATCI S., YILMAZ O., YILMAZ B., AYIK S.  
NUFRA2015 Fifth International Conference on Nuclear Fragmentation, Antalya, Turkey, 4 - 11 October 2015
- IV. **Spinodal instabilities in asymmetric nuclear matter**  
ÇAKIRÇA F., YILMAZ O., AYIK S.  
COMEX5 Collective Motion in Nuclei under Extreme Conditions, Krakow, Poland, 14 - 18 September 2015
- V. **Nucleon exchange in heavy ion collisions**  
YILMAZ O.  
VIII. International Workshop on Nuclear Structure Properties, Sakarya, Turkey, 7 - 10 September 2015
- VI. **Spinodal instabilities and properties of unstable modes in asymmetric nuclear matter**  
SAATCI S., ÇAKIRÇA F., YILMAZ O., AYIK S., GÖKALP A.  
Euroscool on Exotic Beams, 30 August - 05 September 2015
- VII. **Collisional damping of giant dipole resonance in Sn 120 and Pb 208**  
GÖKALP A., YILMAZ O., YILDIRIM S., AYIK S.  
XXXVth Zakopane School of Physics on Trends in Nuclear Physics, Krakow, Poland, 5 - 13 September 2000, vol.32, pp.835
- VIII. **Polarization phenomena in vector meson photoproduction on nucleons near threshold**  
Babacan H., Babacan T., Gokalp A., Yilmaz O.  
14th International Spin Physics Symposium, Osaka, Japan, 16 - 21 October 2000, vol.570, pp.551-555

## Supported Projects

- YILMAZ O., YILMAZ B., TUBITAK Project, Çoklu Nükleon Transfer Reaksiyonları ile Nötronca Zengin Ağır, Uranyum Ötesi ve Süper Ağır Çekirdeklerin Üretilmesi, 2022 - 2024
- Yılmaz O., Yılmaz B., Turan G., TUBITAK Project, Derin Elastik-Olmayan ve Yarı-fizyon Reaksiyonlarında Nükleon Difüzyon Mekanizmasının Kuantal Olarak İncelenmesi, 2017 - 2019
- YILMAZ O., TUBITAK Project, Simetrik ve Asimetrik Nükleer Sistemlerde Spinodal Dinamiğinin Relativistik Transport Modeli Çerçevesinde İncelenmesi II, 2010 - 2012
- YILMAZ O., TUBITAK Project, Simetrik ve antisimetrik nükleer sistemlerde spinodal dinamiğinin transport modeli çerçevesinde incelenmesi, 2008 - 2009
- YILMAZ O., TUBITAK Project, Hafif Skalere Mezonların Yapıları ve Hadron Reaksiyonlarındaki Rollerini, 2007 - 2008

## Scientific Refereeing

- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ege University, Turkey, December 2022
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Agri Ibrahim Cecen University, Turkey, December 2022
- TUBITAK Project, 1002 - Quick Support Program, Erciyes University, Turkey, November 2022
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical University, Turkey, June 2022
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Agri Ibrahim Cecen University, Turkey, June 2022

## **Metrics**

Publication: 75

Citation (WoS): 609

Citation (Scopus): 640

H-Index (WoS): 14

H-Index (Scopus): 15

## **Non Academic Experience**

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YÜZÜNCÜ YIL ÜNİVERSİTESİ