

## Res. Asst. PhD AYLİN HACISALİHOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-5142-2019

ScopusID: 57191337664

Yoksis Researcher ID: 153842

### Education Information

Post Doctorate, Türk Hızlandırıcı ve Işınım Laboratuvarı (TARLA-FEL), TARLA-FEL Projesi Altyapı Grubu, Turkey 2023 - Continues

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, Turkey 2013 - 2020

Doctorate, Istituto Nazionale Di Fisica Nucleare Laboratori Nazionali Del Sud, Istituto Nazionale Di Fisica Nucleare , Dipartimento Di Fisica , Italy 2018 - 2018

Doctorate, Istituto Nazionale Di Fisica Nucleare Laboratori Nazionali Del Sud, Istituto Nazionale Di Fisica Nucleare , Dipartimento Di Fisica, Italy 2017 - 2018

Doctorate, Istituto Nazionale Di Fisica Nucleare Laboratori Nazionali Del Sud, Istituto Nazionale Di Fisica Nucleare , Dipartimento Di Fisica , Italy 2016 - 2016

Doctorate, Technische Universitaet Darmstadt, Faculty Of Arts&Sciences, Department Of Physics , Germany 2015 - 2015

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, Turkey 2010 - 2013

Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2005 - 2009

### Foreign Languages

Italian, A2 Elementary

English, C1 Advanced

### Dissertations

Doctorate, The isoscalar monopole resonance of the alpha particle, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2020

Postgraduate, Gauss potansiyeli için Schrödinger denkleminin asimptotik iterasyon metodu kullanarak çözümü, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik Anabilimdalı, 2013

### Research Areas

Physics, High Energy Physics, Physics, Astronomy and Astrophysics, Nuclear physics, Basic Particles and Areas, Natural Sciences

## Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - Continues

## Courses

Genel Fizik Laboratuvarı II, Undergraduate, 2021 - 2022

Modern Fizik Laboratuvarı, Undergraduate, 2021 - 2022

Genel Fizik Laboratuvarı I, Undergraduate, 2021 - 2022

Optik ve Dalgalar Laboratuvarı , Undergraduate, 2020 - 2021

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

- I. **Measurement of the  $^{116}\text{Sn}(^{18}\text{O}, ^{18}\text{Ne})^{116}\text{Cd}$  double charge exchange reaction at 276 MeV**  
EKE C., Ciraldo I., Cappuzzello F., Carbone D., Cavallaro M., Soukeras V., Spatafora A., Agodi C., BOZTOSUN İ., Brischetto G., et al.  
Results in Physics, vol.67, 2024 (SCI-Expanded)
- II. **Analysis of one-proton transfer reaction in  $\text{O } 18 + \text{Se } 76$  collisions at 275 MeV**  
Ciraldo I., Cappuzzello F., Cavallaro M., Carbone D., Gargano A., De Gregorio G., Garcia-Tecocoatzi H., Santopinto E., Magaña-Vsevolodovna R., Acosta L., et al.  
Physical Review C, vol.109, no.2, 2024 (SCI-Expanded)
- III.  **$\text{O } 18 + \text{Ti } 48$  elastic and inelastic scattering at 275 MeV**  
Brischetto G., Sgouros O., Carbone D., Cappuzzello F., Cavallaro M., Lubian J., De Gregorio G., Agodi C., Calvo D., Chávez Lomelí E., et al.  
Physical Review C, vol.109, no.1, 2024 (SCI-Expanded)
- IV. **One-neutron transfer reaction in the  $\text{O } 18 + \text{Ti } 48$  collision at 275 MeV**  
Sgouros O., Cutuli M., Cappuzzello F., Cavallaro M., Carbone D., Agodi C., De Gregorio G., Gargano A., Linares R., Brischetto G., et al.  
Physical Review C, vol.108, no.4, 2023 (SCI-Expanded)
- V. **Multichannel experimental and theoretical approach to the  $\text{C } 12 (\text{O } 18, \text{F } 18) \text{B } 12$  single-charge-exchange reaction at 275 MeV: Initial-state interaction and single-particle properties of nuclear wave functions**  
Spatafora A., Carbone D., Cappuzzello F., Cavallaro M., Acosta L., Agodi C., Amador-Valenzuela P., Borello-Lewin T., Brischetto G., Calabrese S., et al.  
Physical Review C, vol.107, no.2, 2023 (SCI-Expanded)
- VI. **Analysis of the one-neutron transfer reaction in  $\text{O}-18 + \text{Se}-76$  collisions at 275 MeV**  
Ciraldo I., Cappuzzello F., Cavallaro M., Carbone D., Burrello S., Spatafora A., Gargano A., De Gregorio G., Vsevolodovna R. I. M., Acosta L., et al.  
PHYSICAL REVIEW C, vol.105, no.4, 2022 (SCI-Expanded)
- VII. **Multichannel experimental and theoretical constraints for the  $\text{Cd}-116(\text{Ne}-20, \text{F}-20)\text{In}-116$  charge exchange reaction at 306 MeV**  
Burrello S., Calabrese S., Cappuzzello F., Carbone D., Cavallaro M., Colonna M., Lay J. A., Lenske H., Agodi C., Ferreira J. L., et al.  
PHYSICAL REVIEW C, vol.105, no.2, 2022 (SCI-Expanded)
- VIII.  **$\text{O } 18$  -induced single-nucleon transfer reactions on  $\text{Ca } 40$  at 15.3 A MeV within a multichannel analysis**  
Calabrese S., Cavallaro M., Carbone D., Cappuzzello F., Agodi C., Burrello S., De Gregorio G., Ferreira J. L., Gargano A., Sgouros O., et al.  
PHYSICAL REVIEW C, vol.104, no.6, pp.1-15, 2021 (SCI-Expanded)

- IX. **O-18 + Se-76 elastic and inelastic scattering at 275 MeV**  
 La Fauci L., Spatafora A., Cappuzzello F., Agodi C., Carbone D., Cavallaro M., Lubian J., Acosta L., Amador-Valenzuela P., Borello-Lewin T., et al.  
 PHYSICAL REVIEW C, vol.104, no.5, 2021 (SCI-Expanded)
- X. **Measurement of the double charge exchange reaction for the Ne-20**  
 Soukeras V., Cappuzzello F., Carbone D., Cavallaro M., Agodi C., Acosta L., BOZTOSUN İ., Brischetto G. A., Calabrese S., Calvo D., et al.  
 RESULTS IN PHYSICS, vol.28, 2021 (SCI-Expanded)
- XI. **One-proton transfer reaction for the O-18 + Ti-48 system at 275 MeV**  
 Sgouros O., Cavallaro M., Cappuzzello F., Carbone D., Agodi C., Gargano A., De Gregorio G., Altana C., Brischetto G. A., Burrello S., et al.  
 PHYSICAL REVIEW C, vol.104, no.3, 2021 (SCI-Expanded)
- XII. **Initial State Interaction for the Ne-20**  
 Carbone D., Linares R., Amador-Valenzuela P., Calabrese S., Cappuzzello F., Cavallaro M., Firat S., Fisichella M., Spatafora A., Acosta L., et al.  
 UNIVERSE, vol.7, no.3, 2021 (SCI-Expanded)
- XIII. **An upgraded focal plane detector for the MAGNEX spectrometer**  
 Torresi D., Sgouros O., Soukeras V., Cavallaro M., Cappuzzello F., Carbone D., Agodi C., Brischetto G., Calabrese S., Ciraldo I., et al.  
 Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, vol.989, 2021 (SCI-Expanded)
- XIV. **Analysis of the background on cross section measurements with the MAGNEX spectrometer: The (20Ne, 200) Double Charge Exchange case**  
 Calabrese S., Cappuzzello F., Carbone D., Cavallaro M., Agodi C., Torresi D., Acosta L., Bonanno D., Bongiovanni D., Borello-Lewin T., et al.  
 Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, vol.980, 2020 (SCI-Expanded)
- XV. **Analysis of two-nucleon transfer reactions in the Ne-20+Cd-116 system at 306 MeV**  
 Carbone D., Ferreira J. L., Calabrese S., Cappuzzello F., Cavallaro M., Hacısalihoglu A., Lenske H., Lubian J., Vsevolodovna R. I. M., Santopinto E., et al.  
 PHYSICAL REVIEW C, vol.102, no.4, 2020 (SCI-Expanded)
- XVI. **First comparison of GEANT4 hadrontherapy physics model with experimental data for a NUMEN project reaction case**  
 Oliveira J. R. B., Morales M., Flechas D., Carbone D., Cavallaro M., Torresi D., Acosta L., Agodi C., Amador-Valenzuela P., Bonanno D., et al.  
 EUROPEAN PHYSICAL JOURNAL A, vol.56, no.5, 2020 (SCI-Expanded)
- XVII. **Be-9 + p breakup at 5.67A MeV in a full kinematics approach**  
 Pakou A., Sgouros O., Soukeras V., Cappuzzello F., Acosta L., Agodi C., Boiano A., Calabrese S., Carbone D., Cavallaro M., et al.  
 PHYSICAL REVIEW C, vol.101, no.2, 2020 (SCI-Expanded)
- XVIII. **Ne-20 +Ge- 76 elastic and inelastic scattering at 306 MeV**  
 Spatafora A., Cappuzzello F., Carbone D., Cavallaro M., Lay J. A., Acosta L., Agodi C., Bonanno D., Bongiovanni D., BOZTOSUN İ., et al.  
 PHYSICAL REVIEW C, vol.100, no.3, 2019 (SCI-Expanded)
- XIX. **Charge-state distributions of Ne-20 ions emerging from thin foils**  
 CAVALLARO M., SANTAGATI G., CAPPUZZELLO F., CARBONE D., LINARES R., TORRESI D., ACOSTA L., AGODI C., BONANNO D., BONGIOVANNI D., et al.  
 RESULTS IN PHYSICS, vol.13, 2019 (SCI-Expanded)
- XX. **The NUMEN project: NUClear Matrix Elements for Neutrinoless double beta decay**  
 CAPPUZZELLO F., AGODÌ C., CAVALLARO M., CARBONE D., TUDISCO S., Lo Presti D., Oliveira J. R. B., FÌNOCCHIARO P., COLONNA M., RÌFUGGIATO D., et al.

EUROPEAN PHYSICAL JOURNAL A, vol.54, no.5, 2018 (SCI-Expanded)

- XXI. **FIRST MEASUREMENT OF THE Cd-116(Ne-20, O-20)Sn-116 REACTION AT 15 A MeV**  
CALABRESE S., CAPPUZELLO F., CARBONE D., CAVALLARO M., AGODÌ C., ACOSTA L., BONANNO D., BONGIOVANNÌ D., Borello-Lewin T., BOZTOSUN İ., et al.  
ACTA PHYSICA POLONICA B, vol.49, no.3, pp.275-280, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Probing the properties of the 02 state of He via He + He elastic and exclusive inelastic scattering measurements**  
Soukeras V., Cappuzzello F., Agodi C., Ciraldo I., HACISALİHOĞLU A., Brischetto G. A., Calabrese S., Carbone D., Cavallaro M., Fisichella M., et al.  
EPJ WEB OF CONFERENCES, 2024 (Peer-Reviewed Journal)
- II. **Recent results on the analysis of the O+Ti collision at 275 MeV: Single charge exchange reaction**  
Sgouros O., Cappuzzello F., Cavallaro M., Carbone D., Agodi C., Brischetto G., Calvo D., Chavez-Lomelli E. R., Ciraldo I., G D. G., et al.  
EPJ WEB OF CONFERENCES, 2024 (Peer-Reviewed Journal)
- III. **Experimental and theoretical multichannel study of direct nuclear reactions: a tool to provide data driven information on neutrino-less double-beta decay**  
Spatafora A., Carbone D., Cappuzzello F., Cavallaro M., Acosta L., Agodi C., Amador Valenzuela P., Borello-Lewin T., Brischetto G., Calvo D., et al.  
EPJ WEB OF CONFERENCES, 2024 (Peer-Reviewed Journal)
- IV. **Recent results in the study of the 20Ne + 130Te collision within the NUMEN project and future perspectives**  
Soukeras V., Cappuzzello F., Carbone D., Cavallaro M., Agodi C., Acosta L., BOZTOSUN İ., Brischetto G. A., Calvo D., Chavez-Lomelli E. R., et al.  
HNPS Advances in Nuclear Physics, 2024 (Peer-Reviewed Journal)
- V. **Recent results on elastic scattering and single-neutron stripping reaction in the 18O+48Ti collision at 275 MeV**  
Sgouros O., Brischetto G. A., Cappuzzello F., Cavallaro M., Carbone D., Agodi C., Calvo D., Chavez-Lomelli E. R., Ciraldo I., Cutuli M., et al.  
HNPS Advances in Nuclear Physics, 2024 (Peer-Reviewed Journal)
- VI. **Investigation of 76Se(180,170)75Se and 76Se(180,19F)75As transfer reactions at 15 MeV/u in a multi-channel approach within the NUMEN project**  
Ciraldo I., Cappuzzello F., Cavallaro M., Carbone D., Gargano A., De Gregorio G., Garcia-Tecocoatzı H., Santopinto E., Magaña-Vsevolodovna R., Acosta L., et al.  
Nuovo Cimento della Societa Italiana di Fisica C, vol.47, no.2, 2024 (ESCI)
- VII. **Elastic scattering angular distribution for the 18O**  
Brischetto G., Sgouros O., Carbone D., Cappuzzello F., Cavallaro M., Lubian J., DE Gregorio G., Agodi C., Calvo D., Lomeli E., et al.  
NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS, vol.47, no.2, 2024 (ESCI)
- VIII. **A focus on selected perspectives of the NUMEN project**  
Cavallaro M., Agodi C., Bellone J., Brasolin S., Brischetto G., Bussa M., Calabrese S., Calvo D., Campajola L., Capirossi V., et al.  
JOURNAL OF PHYSICS: CONFERENCE SERIES, vol.2340, no.1, pp.12036-12045, 2022 (Scopus)
- IX. **A Constrained Analysis of the Ca-40(O-18,F-18)K-40 Direct Charge Exchange Reaction Mechanism at 275 MeV**  
Cavallaro M., Bellone J. I., Calabrese S., Agodi C., Burrello S., Cappuzzello F., Carbone D., Colonna M., Deshmukh N., Lenske H., et al.  
FRONTIERS IN ASTRONOMY AND SPACE SCIENCES, vol.8, 2021 (ESCI)

## X. The NUMEN Project @ LNS: Status and perspectives

Cappuzzello F., Agodi C., Acosta L., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J. I., Belmont D., Bijker R., Bonanno D., et al.

NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS, vol.42, 2019 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

### I. Multi-channel experimental and theoretical approach to study the $^{12}\text{C}(^{180,18}\text{F})^{12}\text{B}$ single charge exchange reaction

Spatafora A., Carbone D., Cappuzzello F., Cavallaro M., Acosta L., Agodi C., Amador-Valenzuela P., Borello-Lewin T., Brischetto G., Calabrese S., et al.

13th International Spring Seminar on Nuclear Physics: Perspectives and Challenges in Nuclear Structure after 70 Years of Shell Model, ISS 2022, Sant'Angelo, Italy, 15 - 20 May 2022, vol.2453

### II. The multichannel experimental and theoretical study of the $^{12}\text{C}(^{180,18}\text{F})^{12}\text{B}$ single charge exchange reaction mechanism

Spatafora A., Carbone D., Cappuzzello F., Cavallaro M., Acosta L. E., Agodi C., Amador-Valenzuela P., Borello-Lewin T., Brischetto G. A., Calvo D., et al.

16th Varenna Conference on Nuclear Reaction Mechanisms, NRM2023, Ravenna, Italy, 11 - 16 June 2023

### III. Recent results on the analysis of the $^{48}\text{Ti}(^{180,20}\text{Ne})^{46}\text{Ca}$ reaction at 275 MeV

Sgouros O., Cavallaro M., Cappuzzello F., Carbone D., Agodi C., Altana C., Brischetto G., Calabrese S., Calvo D., Capirossi V., et al.

28th International Nuclear Physics Conference, INPC 2022, Cape-Town, South Africa, 11 - 16 September 2022, vol.2586

### IV. Study of single-nucleon transfer reactions in the $^{180}+^{48}\text{Ti}$ collision at 275 MeV

Sgouros O., Cappuzzello F., Cavallaro M., Carbone D., Agodi C., Brischetto G., Calvo D., Chávez Lomelí E., Cirraldo I., Cutuli M., et al.

16th Varenna Conference on Nuclear Reaction Mechanisms, NRM2023, Ravenna, Italy, 11 - 16 June 2023

### V. A multi-channel study of the $^{20}\text{Ne} + ^{130}\text{Te}$ system within the NUMEN project

Soukeras V., Acosta L., Agodi C., Boztosun I., Brischetto G., Calvo D., Cappuzzello F., Carbone D., Cavallaro M., Chávez Lomelí E., et al.

44th Symposium on Nuclear Physics, SNP 2023, Cocoyoc, Mexico, 9 - 12 January 2023, vol.2619

### VI. Experimental and theoretical multi-channel study of direct nuclear reactions: a tool to provide data driven information on the $^{76}\text{Ge}$ neutrino-less double-beta decay

Spatafora A., Acosta L., Agodi C., Amador-Valenzuela P., Brischetto G., Calabrese S., Calvo D., Capirossi V., Chávez Lomelí E., Cappuzzello F., et al.

28th International Nuclear Physics Conference, INPC 2022, Cape-Town, South Africa, 11 - 16 September 2022, vol.2586

### VII. The NUMEN project: probing nuclear response to weak interaction by nuclear reactions

Carbone D., Agodi C., Bellone J., Burrello S., Calabrese S., Cappuzzello F., Cavallaro M., Colonna M., De Gregorio G., Ferreira J., et al.

28th International Nuclear Physics Conference, INPC 2022, Cape-Town, South Africa, 11 - 16 September 2022, vol.2586

### VIII. Study of the one-neutron transfer reaction in $^{180} + ^{76}\text{Se}$ collision at 275 MeV in the context of the NUMEN project

Cirraldo I., Cappuzzello F., Cavallaro M., Carbone D., Burrello S., Spatafora A., Gargano A., De Gregorio G., Magaña Vsevolodovna R., Acosta L., et al.

13th International Spring Seminar on Nuclear Physics: Perspectives and Challenges in Nuclear Structure after 70 Years of Shell Model, ISS 2022, Sant'Angelo, Italy, 15 - 20 May 2022, vol.2453

### IX. Revisiting the $^{4}\text{He}(^{4}\text{He},^{4}\text{He})^{4}\text{He}^*$ inelastic scattering at the MAGNEX facility

Soukeras V., Cappuzzello F., Agodi C., Becker H., Brischetto G., Calabrese S., Carbone D., Cavallaro M., Chamon L.,

Ciampi C., et al.

28th International Nuclear Physics Conference, INPC 2022, Cape-Town, South Africa, 11 - 16 September 2022, vol.2586

- X. **New high intensity Heavy - Ion beams @ INFN-LNS: NUMEN project status and perspective**  
Agodi C., Cappuzzello F., Acosta L., Amador-Valenzuela P., Auerbach N., Avanzi L., Bellone J., Bijker R., BOZTOSUN İ., Brasolin S., et al.  
28th International Nuclear Physics Conference, INPC 2022, Cape-Town, South Africa, 11 - 16 September 2022, vol.2586
- XI. **Recent results on heavy-ion direct reactions of interest for 0 nu beta beta decay at INFN - LNS**  
Cavallaro M., Acosta L., Adsley P., Agodi C., Altana C., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J., Bijker R., et al.  
43rd Symposium on Nuclear Physics (SNP), Morelos, Mexico, 6 - 09 January 2020, vol.1610
- XII. **Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS**  
Cavallaro M., Acosta L., Agodi C., Altana C., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J. I., Bijker R., Bonanno D., et al.  
4th International Conference on Nuclear Structure and Dynamics (NSD), Venice, Italy, 13 - 17 May 2019, vol.223
- XIII. **New Experimental Campaign of NUMEN Project**  
Agodi C., Cappuzzello F., Acosta L., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J., Belmont D., Bijker R., Bonanno D., et al.  
Meeting on Symmetries and Order - Algebraic Methods in Many-Body Systems, Connecticut, United States Of America, 5 - 06 October 2018, vol.2150
- XIV. **The NUMEN Project @ LNS: Status and Perspectives**  
Cappuzzello F., Agodi C., Acosta L., Altana C., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J., Bijker R., Bonanno D., et al.  
12th Workshop on Calculation of Double-Beta-Decay Matrix Elements (MEDEX), Prague, Czech Republic, 27 - 31 May 2019, vol.2165
- XV. **The NUMEN Project @ LNS: Status and Perspectives**  
Cappuzzello F., Agodi C., Acosta L., Amador-Valenzuela P., Auerbach N., Barea J., Bellone J., Belmont D., Bijker R., Bonanno D., et al.  
Meeting on Symmetries and Order - Algebraic Methods in Many-Body Systems, Connecticut, United States Of America, 5 - 06 October 2018, vol.2150
- XVI. **Data reduction for experimental measurements within the NUMEN project**  
Calabrese S., Cappuzzello F., Agodi C., Cavallaro M., Carbone D., Acosta L., Bonanno D., Bongiovanni D., Boztosun I., Calvo D., et al.  
Conference on Neutrino and Nuclear Physics 2017, CNNP 2017, Catania, Italy, 15 - 21 October 2017, vol.1056
- XVII. **Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project**  
CARBONE D., CAPPUZZELLO F., AGODÌ C., CAVALLARO M., ACOSTA L., BONANNO D., BONGIOVANNI D., Boztosun I., CALABRESE S., CALVO D., et al.  
Conference on Neutrino and Nuclear Physics 2017, CNNP 2017, Catania, Italy, 15 - 21 October 2017, vol.1056
- XVIII. **Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project**  
Carbone D., Cappuzzello F., Agodi C., Cavallaro M., Acosta L., Bonanno D., Bongiovanni D., BOZTOSUN İ., Calabrese S., Calvo D., et al.  
41st Symposium on Nuclear Physics (Cocoyoc), Cocoyoc, Mexico, 8 - 11 January 2018, vol.1078
- XIX. **Experimental challenges for the measurement of the Cd-116(Ne-20,0-20)Sn-116 double charge exchange reaction at 15 AMeV**  
CARBONE D., CAPPUZZELLO F., AGODÌ C., CAVALLARO M., ACOSTA L., BONANNO D., BONGIOVANNI D., Borello T., BOZTOSUN İ., CALABRESE S., et al.  
22nd International School on Nuclear Physics, Neutron Physics and Applications, Varna, Bulgaria, 10 - 16

September 2017, vol.1023

- XX. **Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay**  
Cavallaro M., Cappuzzello F., Agodi C., Acosta L., Auerbach N., Bellone J., Bijker R., Bonanno D., Bongiovanni D., Borello-Lewin T., et al.  
12th International Spring Seminar on Nuclear Physics - Current Problems and Prospects for Nuclear Structure, Italy, 15 - 19 May 2017, vol.966
- XXI. **The nuclear matrix elements of  $0\nu\beta\beta$  decay and the NUMEN project at INFN-LNS**  
Cappuzzello F., Agodi C., Aciksoz E., Acosta L., Aslanoglou X., Auerbach N., Bijker R., Bonanno D., Bongiovanni D., Borello T., et al.  
39th Symposium on Nuclear Physics (Cocoyoc), Cocoyoc, Mexico, 5 - 08 January 2016, vol.730
- XXII. **The solution of the Schrödinger equation for the Gauss potential by using the asymptotic iteration method**  
HACISALİHOĞLU A., KÜÇÜK Y.  
101st National Congress of the Italian Physical Society, Roma, Italy, 21 - 25 September 2015

## Supported Projects

Hacısalihođlu A., Development Agency, Türk Hızlandırıcı ve Işınım Laboratuvarı (TARLA-FEL) (6550-UAA), 2020 - 2027  
Hacısalihođlu A., H2020 Project, NURE Projesi (NUclear REactions for neutrinoless double beta decay), 2019 - 2027  
Hacısalihođlu A., Medina N., Lo P. D., Arsenyev N., Bezbakh A., Shneidman T., Vdovin A., De F. P., Rifuggiato D., Garcia U., et al., Project Supported by Public Organizations in Other Countries, NUMEN Projesi (Determining the Nuclear Matrix Elements of Neutrinoless Double Beta Decays by Heavy-Ion Double Charge Exchange Reactions), 2016 - 2027  
Hacısalihođlu A., TUBITAK Project, DOĐU KARADENİZ BÖLGESİNDEKİ KARAYOSUNLARI VE LİKENLERDE 137Cs'nin EKOLOJİK YARI ÖMRÜNÜN BELİRLENMESİ, 2024 - 2025  
Hacısalihođlu A., Project Supported by Public Organizations in Other Countries, DREAMS Projesi (Direct Reactions with Exotic ions And Multifragmentation Studies), 2012 - 2015  
Hacısalihođlu A., İnci İ., Çoban A., Ejder T., Gönen E., Cafer T., Küçük Y., TUBITAK Project, Egzotik çekirdek reaksiyonlarının continuum discretized coupled channels (cdcc) modeli kullanılarak incelenmesi (110T388), 2010 - 2013

## Metrics

Publication: 53

Citation (WoS): 233

Citation (Scopus): 540

H-Index (WoS): 13

H-Index (Scopus): 14