

ΒΙΟΓΡΑΦΙΚΑ ΣΤΟΙΧΕΙΑ

ΟΝΟΜΑΤΕΠΩΝΥΜΟ: Νικόλαος Νικολής του Γεωργίου.

ΤΟΠΟΣ ΚΑΙ ΗΜΕΡΟΜΗΝΙΑ ΓΕΝΝΗΣΕΩΣ: Αθήνα, 10 Μαρτίου, 1956.

ΟΙΚΟΓΕΝΕΙΑΚΗ ΚΑΤΑΣΤΑΣΗ: Έγγαμος, πατέρας ενός τέκνου.

ΔΙΕΥΘΥΝΣΗ ΕΡΓΑΣΙΑΣ: Τμήμα Φυσικής,
Εργαστήριο Πυρηνικής Φυσικής,
Πανεπιστήμιο Ιωαννίνων,
Ιωάννινα 45110
Τηλ: +30 26510 - 08557
FAX: +30 26510 - 08692
E-mail: nnicolis@cc.uoi.gr

ΤΙΤΛΟΙ ΣΠΟΥΔΩΝ:

- Ph.D. Φυσικής (Πυρηνική Φυσική), 1986
University of Rochester, Rochester, N.Y. 14627, U.S.A.
- M.A. Φυσικής (Πυρηνική Φυσική, Κβαντική Οπτική), 1982
University of Rochester, Rochester, N.Y. 14627, U.S.A.
- Πτυχίο Φυσικής, 1979
Φυσικομαθηματική Σχολή, Πανεπιστήμιο Αθηνών, Αθήναι, Ελλάς.

ΔΙΔΑΚΤΟΡΙΚΗ ΔΙΑΤΡΙΒΗ: *Angular Momentum Transfer to Medium Mass Evaporation Residues* (Μεταφορά Στροφορμής σε Προϊόντα Σύντηξης Πυρήνων Μέσου Μαζικού Αριθμού), υπό την επίβλεψη του Καθηγητού Thomas M. Cormier, στο Πανεπιστήμιο του Rochester.

- Μέλος της American Physical Society, Nuclear Physics Division (από τον Μάιο, 1982).
- Κριτής του περιοδικού Physical Review C (από τον Δεκέμβριο, 1989).
- Μέλος της New York Academy of Sciences (από τον Απρίλιο, 1988).
- Μέλος της Ελληνικής Εταιρείας Πυρηνικής Φυσικής (από τον Μάιο 1995).
- Μέλος της Ένωσης Ελλήνων Φυσικών (απο τον Απρίλιο 2004).

ΑΚΑΔΗΜΑΪΚΕΣ ΘΕΣΕΙΣ:

Μάιος 1994 – σήμερα: Επίκουρος Καθηγητής του Τομέα Ατομικής και Μοριακής Φυσικής, Πυρηνικής Φυσικής και Φυσικής Υψηλών Ενεργειών του Τμήματος Φυσικής της Σχολής Θετικών Επιστημών του Πανεπιστημίου Ιωαννίνων.

Σεπτέμβριος 2011 – Ιούνιος 2012: Επισκέπτης Καθηγητής, Σχολή Εφαρμοσμένων Μαθηματικών και Φυσικών Επιστημών, Εθνικό Μετσόβιο Πολυτεχνείο, Αθήνα.

Ιανουάριος 1986 - Απρίλιος 1994: Ερευνητικός Συνεργάτης (Research Associate) Πυρηνικής Χημείας, Department of Chemistry, Washington University, St. Louis, Missouri, U.S.A.

Σεπτέμβριος 1979 - Δεκέμβριος 1985: Ερευνητικός Βοηθός (research assistant), Nuclear Structure Research Laboratory, University of Rochester, Rochester, N.Y., U.S.A.

ΆΛΛΕΣ ΘΕΣΕΙΣ:

Μάιος 2006 – Απρίλιος 2008: Αντιπρόεδρος της Ελληνικής Εταιρείας Πυρηνικής Φυσικής.

Μάιος 2008: Πρόεδρος της Ελληνικής Εταιρείας Πυρηνικής Φυσικής.

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ:

Πυρηνική αποδιέγερση με εκπομπή συσσωμάτων, νουκλεονίων και ακτίνων γάμμα. Το στατιστικό μοντέλο των πυρηνικών αντιδράσεων. Προσομοιώσεις Monte-Carlo αντιδράσεων σύνθετου πυρήνα. Σύντηξη βαρέων ιόντων.

ΥΠΟΤΡΟΦΙΕΣ ΚΑΙ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΕΠΙΧΩΡΗΓΗΣΕΙΣ ΩΣ ΚΥΡΙΟΣ ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΥΠΕΥΘΥΝΟΣ

- Υποτροφία μέσω του προγράμματος μορφωτικών ανταλλαγών του Υπουργείου Παιδείας και Θρησκευμάτων για τα Ακαδημαϊκά Έτη 2014-15, 2012-13, 2009-10, 2007-08, 2005-06, 2001-02. (Επιστημονική συνεργασία με το Ινστιτούτο Φυσικής του Jagellonian University, Krakow, Poland.)
- ΠΕΝΕΔ 95. Νο. 696. Τίτλος: *Προσομιώσεις Εκπομπής Σωματίων από Υψηλά Διεγερμένους Πυρήνες.*

ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ:

- Γενική Φυσική: Ηλεκτρισμός και Μαγνητισμός
- Σύγχρονη Φυσική I – Εισαγωγή στην Ειδική Θεωρία της Σχετικότητας.
- Σύγχρονη Φυσική II - Πυρηνική Φυσική.
- Πυρηνική Φυσική I. (Εισαγωγή στην Πυρηνική Φυσική)
- Πυρηνική Φυσική II. (Εισαγωγή στις Πυρηνικές Αντιδράσεις)
- Εργαστήρια Φυσικής II(Ηλεκτρισμός).
- Εργαστήρια Φυσικής III (Κυμάνσεις).
- Εργαστήρια Πειραματικής Φυσικής για τους φοιτητές του Τμήματος Χημείας.

ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ:

- Εξήντα (60) άρθρα δημοσιευμένα σε επιστημονικά περιοδικά με κριτές.
- Ογδόντα οκτώ (88) ανακοινώσεις σε διεθνή και Ελληνικά συνέδρια.
- Μεταφραστής και συν-μεταφραστής δύο (2) διδακτικών βιβλίων.
- Συν-εκδότης δύο (2) τόμων πρακτικών συνεδρίου.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ ΠΥΡΗΝΙΚΗΣ ΦΥΣΙΚΗΣ ΜΕ ΚΡΙΤΕΣ

1. *The Validity of the Compound Nucleus Mechanism in the $^{12}\text{C}(^{16}\text{O}, \alpha)$ Reaction at High Energies*, T.M. Cormier, A. Szanto de Toledo, M.M. Coimbra, N. Carlin Filho, P.M. Stwertka, M. Herman and N. Nicolis, Phys. Lett. **118B**, 303(1982).
2. *Kinematics of the Gross Structures in the α Spectrum of the $^{16}\text{O} + ^{12}\text{C}$ Reaction*, P.M. Stwertka, T.M. Cormier, M. Herman, N.G. Nicolis, A. Szanto de Toledo, M.M. Coimbra and N. Carlin Filho, Phys. Rev. Lett. **49**, 640(1982).
3. *Atomic-Charge-State Distributions of Fusion-Evaporation Residues and Nuclear Shape Changes at High Spin*, T.M. Cormier, P.M. Cormier, M. Herman, N.G. Nicolis and P.M. Stwertka, Phys. Rev. Lett. **51**, 542(1983).
4. *Internal Conversion and the Evolution of Nuclear Structure at Very High-Spin: $^{154}\text{-}^{158}\text{Er}$* , T.M. Cormier, P.M. Stwertka, M. Herman and N.G. Nicolis, Phys. Rev. C **30**, (1984) 1953.

5. *^{24}Mg Yrast Sequence up to 30 MeV Excitation*, A. Szanto de Toledo, T.M. Cormier, M.M. Coimbra, N. Carlin Filho, P.M. Stwertka and N.G. Nicolis, Phys. Rev. C **30**, (1984) 1706.
6. *Use of Energy-Averaged Cross Sections for Nuclear Spectroscopy: ^{26}Mg States in the Continuum*, M.M. Coimbra, N. Carlin Filho, A. Szanto de Toledo, P.M. Stwertka, M.G. Herman, N.G. Nicolis and T.M. Cormier, Phys. Rev. C **30**, 2092(1984).
7. *Inhibition of Nucleon Decay from High Spin Nuclei Near the $N=82$ Shell Closure*, P.M. Stwertka, T.M. Cormier, M. Herman and N.G. Nicolis, Phys. Lett. **150B**, 91(1985).
8. *High-Spin Evolution of Quasicontinuum γ Radiation in ^{156}Er* , P.M. Stwertka, T.M. Cormier, M.G. Herman and N.G. Nicolis, Phys. Rev. Lett. **54**, 1635(1985).
9. *The Onset of Collectivity in Nuclei Near the $N=82$, $Z=64$ Double Closed Shell*, P.M. Stwertka, T.M. Cormier, N.G. Nicolis and M.G. Herman, Phys. Lett. **161B**, 70(1985).
10. *Angular Momentum Limitations in the High-Spin Gamma-Decay of Medium Mass Evaporation Residues*, N.G. Nicolis, T.M. Cormier, P.M. Stwertka and M.G. Herman, Phys. Lett. **178B**, 339(1986).
11. *A Dwarf Ball: Design, Instrumentation and Response Characteristics of a 4π Light Charged-Particle Multidetector System*, D.G. Sarantites, L.G. Sobotka, T.M. Semkow, V. Abenante, J. Elson, J. Hood, Z. Li, N.G. Nicolis, D.W. Stracener, J. Valdes and D.C. Hensley, Nucl. Instr. Meth. **A264**, 319(1988).
12. *Deformation Effects in the Compound Nucleus Decay Using the Spin-Alignment Method*, N.G. Nicolis, D.G. Sarantites, L.A. Adler, F.A. Dilmanian, K. Honkanen, Z. Majka, L.G. Sobotka, Z. Li, T.M. Semkow, J.R. Beene, M.L. Halbert, D.C. Hensley, J.B. Natowitz, R.P. Schmitt, D. Fabris, G. Nebbia and G. Mouchaty, Phys. Rev. C **41**, 2118(1990).
13. *Target Excitation and Angular Momentum Transfer in Reactions of $E/A = 11.9$ MeV ^{28}Si with ^{181}Ta from 4π Charged Particle, Neutron and γ -ray Multiplicity Measurements*, Z. Majka, V. Abenante, Z. Li, N.G. Nicolis, D.G. Sarantites, T.M. Semkow, L.G. Sobotka, D.W. Stracener, J.R. Beene, D.C. Hensley and H.C. Griffin, Phys. Rev. C **40**, 2124(1989).
14. *Comment on "Unexpected Large Deformations in ^{60}Ni Nuclei Produced in the Reaction 120 MeV $^{30}\text{Si} + ^{30}\text{Si}$ "*, N.G. Nicolis and D.G. Sarantites, Phys. Rev. C **40**, 2422(1989).
15. *Nuclear-Structure Effects in Proton Evaporation Spectra*, D.G. Sarantites, C. Baktash, N.G. Nicolis, G. Garcia-Bermudez, V. Abenante, J.R. Beene, N.R. Johnson, M.L. Halbert, D.C. Hensley, F.K. McGowan, H.C. Griffin, I.Y. Lee, Z. Majka, M.A. Riley, T.M. Semkow, D.W. Stracener and A. Virtanen, Phys. Rev. Lett. **64**, 2129 (1990).
16. *Alpha-Particle Emission as a Probe of Nuclear Shapes and Structure Effects in Proton Evaporation Spectra*, N.G. Nicolis, D.G. Sarantites, C. Baktash, V. Abenante, L.A. Adler, J.R. Beene, F.A. Dilmanian, G. Garcia-Bermudez, H.C. Griffin, M.L. Halbert, D.C. Hensley, N.R. Johnson, I.Y. Lee, Z. Majka, F.K. McGowan, M.A. Riley, T.M. Semkow, D.W. Stracener and A. Virtanen, Nucl. Phys. A **520**, 153c(1990).
17. *Search for Valence Proton Effect in Sub-barrier Fusion Reactions*, E.M. Szanto, R. Liguori Neto, M.C.S. Figueira, A. Szanto de Toledo, M.G. Herman, N.G. Nicolis, P.M. Stwertka and T.M. Cormier, Phys. Rev. C **41**, 2164(1990).
18. *Yield Decomposition and Excitation Energy reconstruction in an Incomplete Fusion Reaction*, A. Chbihi, L.G. Sobotka, Z. Majka, D.G. Sarantites, D.W. Stracener, V. Abenante, T.M. Semkow, N.G. Nicolis, D.C. Hensley, J.R. Beene and M.L. Halbert, Phys. Rev. C **43**, 652(1991).

19. *Determination of the Nuclear Level Density at High Excitation Energy*, A. Chbihi, L.G. Sobotka, N.G. Nicolis, D.G. Sarantites, D.W. Stracener, Z. Majka, D.C. Hensley, J.R. Beene and M.L. Halbert, Phys. Rev. C **43**, 666(1991).
20. *Statistical Emission of Deuterons and Tritons from Highly Excited Compound Nuclei*, N.G. Nicolis, D.G. Sarantites, L.G. Sobotka and R.J. Charity, Phys. Rev. C **45**, 2393(1992).
21. *The Mechanism for the Dissassembly of Excited ^{16}O Projectiles into Four Alpha Particles*, R.J. Charity, J. Barreto, L.G. Sobotka, D.G. Sarantites, D.W. Stracener, A. Chbihi, N.G. Nicolis, R.Auble, C. Baktash, J.R. Beene, F. Bertrand, M. Halbert, D.C. Hensley, D.J.Horen, C. Ludemann, M. Thoennessen and R. Varner, Phys. Rev. C **46**, 1951 (1992).
22. *Search for Entrance Channel Effects in the Decay of ^{164}Yb Compound Nucleus at $E^* \approx 54 \text{ MeV}$* , J.L. Barreto, N.G. Nicolis, D.G. Sarantites, R.J. Charity, L.G. Sobotka, D.W. Stracener, D.C. Hensley, J.R. Beene, C. Baktash, M. Halbert and M. Thoennessen, Phys. Rev. C **48**, 2881(1993).
23. *Formation and decay of $^{164}\text{Yb}^*$ in near and below-barrier fusion reactions*, N.G. Nicolis and D.G. Sarantites, Phys. Rev. C **48**, 2895(1993).
24. *Estimation of the Time Scale of Last Chance Alpha Emission Using an "Atomic Clock"*, L. Gallamore, D.G. Sarantites, R.J. Charity, N.G. Nicolis, L.G. Sobotka, J.R. Beene, M.L. Halbert, and R.L. Varner, Phys. Rev. C **49**, R584(1994).
25. *Decay of $^{160}\text{Er}^*$ in $^{16}\text{O} + ^{144}\text{Nd}$ and $^{64}\text{Ni} + ^{96}\text{Zr}$ fusion reactions*, J.L. Barreto, N.G. Nicolis, D.G. Sarantites, R.J. Charity, L.G. Sobotka, D.W. Stracener, D.C. Hensley, J.R. Beene, C. Baktash, M.L. Halbert, and M. Thoennessen, Phys. Rev. C **51**, 2584(1995).
26. *Dynamics of heavy-ion fusion probed by d/p double ratios from a cross bombardment*, M. Korolija, R.J. Charity, N.G. Nicolis, D.G. Sarantites and L.G. Sobotka, Phys. Rev. C **52**, 3074(1995).
27. *Time scale for the binary disintegration of the projectile in $^{48}\text{Ti} + ^{93}\text{Nb}$ collisions at 19.1 MeV/u*, P. Staszal, Z. Majka, L.G. Sobotka, V. Abentante, N.G. Nicolis, D.G. Sarantites, D.W. Stracener, C. Baktash, M.L. Halbert and D.C. Hensley, Phys. Lett. B **368**, 26(1996).
28. *Collisions between $^{48}\text{Ti} + ^{93}\text{Nb}$ at 917 MeV*, T. Kozik, V. Abenante, R.J. Charity, A. Chbihi, Z. Majka, N.G. Nicolis, D.G. Sarantites, L.G. Sobotka, D.W. Stracener, C. Baktash, M.L. Halbert, D.C. Hensley and J. Lukasik, Phys. Rev. C **54**, 3088(1996).
29. *Dynamic and quasistatic trajectories in quasifission reactions and particle emission*, V.P. Aleshin, M. Centelles, X. Viñas, and N.G. Nicolis, Nucl. Phys. A **679**, 441(2001).
30. *CASTOR detector: Model, objectives and simulated performance*, A.L.S. Angelis, X. Aslanoglou, J. Bartke, M. Yu. Bogolyubsky, K. Chilleev, S. Erine, E. Gładysz-Dziaduś, Yu. V. Kharlov, A.B. Kupepin, M. Lobanov, A.I. Maevskaya, G. Mavromanolakis, N. Nicolis, A.D. Panagiotou, S.A. Sadovsky, and Z. Włodarczyk, Il Nuovo Cimento, **C24**, 755(2001).
31. *Neutron cross section measurements in the Th-U cycle by the activation method*, D. Karamanis, S. Andriamonje, P.A. Assimakopoulos, G. Doukellis, D.A. Karademos, A. Karydas, M. Kokkoris, S. Kossionides, N.G. Nicolis, A. Pakou, C. Papachristodoulou, C. Papadopoulos, N. Patronis, P. Pavlopoulos, G. Perdikakis, and R. Vlastou, Nucl. Instr. Meth. A **505**, 318 (2003).
32. *The elastic scattering of $^6\text{Li} + ^{28}\text{Si}$ at near-barrier energies*, A. Pakou, N. Alamanos, A. Lagoyannis, A. Gillibert, E.C. Pollaco, P.A. Assimakopoulos, G. Doukelis, K. Ioannides,

- D. Karadimas, D. Karamanis, M. Kokkoris, S. Kossionides, N.G. Nicolis, X. Papaxristodoulou, N. Patronis, and G. Perdikakis, Phys. Lett. **B556**, 21(2003).
33. *α -Particle Production in the Reaction ${}^6\text{Li}+{}^{28}\text{Si}$ at Near-Barrier Energies*, A. Pakou, N. Alamanos, A. Gillibert, M. Kokkoris, S. Kossionides, A. Lagoyannis, N.G. Nicolis, C. Papachristodoulou, D. Patiris, D. Pierroutsakou, E.C. Pollacco, and K. Rusek, Phys. Rev. Lett. **90**, 202701(2003).
 34. *Neutron-excess in analytical expressions for fusion barrier parameters*, N.G. Nicolis, Eur. Phys. J. **A21**, 265(2004).
 35. *α -particle production: Direct and compound contribution in the reaction ${}^7\text{Li} + {}^{28}\text{Si}$ at near-barrier energies*, A. Pakou, N. G. Nicolis, K. Rusek, N. Alamanos, G. Doukelis, A. Gillibert, G. Kalyva, M. Kokkoris, A. Lagoyannis, A. Musumarra, C. Papachristodoulou, G. Perdikakis, D. Pierroutsakou, E. C. Pollacco, A. Spyrou, and Ch. Zarkadas, Phys. Rev. **C71**, 064602 (2005).
 36. *The ${}^6\text{Li}$ exclusive breakup on ${}^{28}\text{Si}$ at 13 MeV*, A. Pakou, N. Alamanos, N.M. Clarke, N.J. Davis, G. Doukelis, G. Kalyva, M. Kokkoris, A. Lagoyannis, T.J. Mertzimekis, A. Musumarra, N.G. Nicolis, C. Papachristodoulou, N. Patronis, G. Perdikakis, D. Pierroutsakou, D. Roubos, K. Rusek, S. Spyrou and Ch. Zarkadas, Phys.Lett. **B633**, 691 (2006).
 37. *Reaction channels of ${}^6,7\text{Li} + {}^{28}\text{Si}$ at near-barrier energies*, A. Pakou, K. Rusek, N.G. Nicolis, N. Alamanos, G. Doukelis, A. Gillibert, G. Kalyva, M. Kokkoris, A. Lagoyannis, A. Musumarra, C. Papachristodoulou, G. Perdikakis, D. Pierroutsakou, E.C. Pollacco, A. Spyrou, and Ch.Zarkadas, J.Phys.(London) **G31**, (2005) S1723.
 38. *Isospin Effects Studied with the CHIMERA Detector at 35 MeV/Nucleon*, R. Planeta, F. Amorini, A. Anzalone, L. Auditore, V. Baran, I. Berceanu, J. Blicharska, J. Brzychczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, M.B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, E. DeFilippo, R. Dayras, M. DiToro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. LeNeindre, N.G. Nicolis, A. Pagano, M. Papa, M. Petrovici, E. Piasecki, S. Pirrone, G. Politi, A. Pop, F. Porto, M.F. Rivet, E. Rosato, F. Rizzo, S. Russo, P. Russotto, M. Sassiv, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, M.L. Sperduto, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, G. Verde, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta and W. Zipper, Acta Phys. Pol. **37**, 183(2006).
 39. *Dynamical evolution of the ${}^{197}\text{Au} + {}^{197}\text{Au}$ system at 15 MeV/nucleon*, I. Skwira-Chalot, K. Siwek-Wilczyńska, J. Wilczyński, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E. De Filippo, M. Di Toro, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N.G. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Świderski, A. Trifirò, M. Trimarchi, L. Zetta, and W. Zipper, Int. J. Mod. Phys. **E15**, 495(2006).
 40. *${}^6,7\text{Li} + {}^{28}\text{Si}$ total reaction cross sections at near barrier energies*, A. Pakou, A. Musumarra, D. Pierroutsakou, N. Alamanos, P.A. Assimakopoulos, N. Divis, G. Doukelis, A. Gillibert, S. Harissopoulos, G. Kalyva, M. Kokkoris, A. Lagoyannis, T.J. Mertzimekis, N.G. Nicolis, C. Papachristodoulou, G. Perdikakis, D. Roubos, K. Rusek, S. Spyrou, and Ch. Zarkadas, Nucl. Phys. **A784**, 13 (2007).

41. *Ternary reactions in $^{197}\text{Au} + ^{197}\text{Au}$ collisions revisited*, I. Skwira-Chalot, K. Siwek-Wilczynska, J. Wilczynski, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E.DeFilippo, M.DiToro, W. Gawlikowicz, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E.LaGuidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N.G. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J.P. Wieleczko, L. Zetta, and W. Zipper, *Int. J. Mod. Phys. E***16**, 511 (2007).
42. *Dynamics of “Binary” $^{197}\text{Au} + ^{197}\text{Au}$ Collisions as a Test of Energy Dissipation Mechanism*, I.Skwira-Chalot, K.Siwiek-Wilczynska, J.Wilczynski, F.Amorini, A.Anzalone, L.Auditore, V.Baran, J.Blocki, J.Brzychczyk, G.Cardella, S.Cavallaro, M.B.Chatterjee, M.Colonna, E.DeFilippo, M.DiToro, W.Gawlikowicz, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.LaGuidara, G.Lanzano, G.Lanzalone, C.Maiolino, Z.Majka, N.G.Nicolis, A.Pagano, M.Papa, E.Piasecki, S.Pirrone, R.Planeta, G.Politi, F.Porto, F.Rizzo, P.Russotto, K.Schmidt, A.Sochocka, L.Swiderski, A.Trifiro, M.Trimarchi, J.P.Wieleczko, L.Zetta, W.Zipper, *ActaPhys.Pol. B***38**, 1509 (2007).
43. *Strong transfer channels in the $^6\text{Li} + ^{28}\text{Si}$ system at near-barrier energies*, A. Pakou, K. Rusek, N. Alamanos, X. Aslanoglou, S. Harissopulos, M. Kokkoris, A. Lagoyannis, T.J. Mertzimekis, A. Musumarra, N.G. Nicolis, C. Papachristodoulou, D. Pierrotsakou, and D. Roubos, *Phys. Rev. C***76**, 054601(2007).
44. *Centrality dependence of isospin effect signatures in $^{124}\text{Sn} + ^{64}\text{Ni}$ and $^{112}\text{Sn} + ^{58}\text{Ni}$ reactions*, R. Planeta, F. Amorini, A. Anzalone, L. Auditore, V. Baran, A. Benisz, I. Berceanu, A. Bonasera, B. Borderie, J. Borgenstein, R. Bougault, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, A. Chbihi, M. Colonna, M.D’Agostino, R. Dayras, E.De Filippo, M.Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, M. Krauze, E. La Guidara, G. Lanzano, G. Lanzalone, N.Le Neindre, J. Lukasik, C. Maiolino, Z. Majka, N.G. Nicolis, A. Pagano, M. Papa, M. Petrovici, E. Piasecki, S. Pirrone, G. Politi, A. Pop, F. Porto, M.F. Rivet, E. Rosato, F. Rizzo, P. Russotto, K. Schmidt, K. Siwek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta, and W. Zipper, *Phys. Rev. C***77**, 014610 (2008).
45. *Observation of Hyperheavy Toroidal Configurations in BUU Simulations of Heavy Ion Collisions*, A. Sochocka, R. Planeta, N.G. Nicolis, *Acta Phys. Pol.* **39**, 405(2008).
46. *Re-separation modes of $^{197}\text{Au} + ^{197}\text{Au}$ system at sub-Fermi energies*, J. Wilczynski, I. Skwira-Chalot, K. Siwek-Wilczynska, W. Gawlikowicz, J. Lukasik, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E.DeFilippo, M. DiToro, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. LaGuidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N.G. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J.P. Wieleczko, L. Zetta, and W. Zipper, *Int.Jour.Mod.Phys.E***17**, 41(2008).
47. *Search for hyperheavy toroidal nuclear structures formed in heavy ion collisions*, A. Sochocka, A. Benisz, P. Hachaj, N.G.Nicolis, R.Planeta and Z. Strypan, *Int. Jour. Mod. Phys.E***17**, 190(2008).
48. *Sequential binary decay of highly excited nuclei*, N.G. Nicolis, *Int. Jour. Mod. Phys. E***17**, 1541 (2008).

49. *Fast Ternary and Quaternary Breakup of the $^{197}\text{Au}+^{197}\text{Au}$ System in Collisions at 15 MeV/nucleon*, I.Skwira-Chalot, K.Siwiek-Wilczynska, J.Wilczynski, F.Amorini, A.Anzalone, L.Auditore, V.Baran, J.Brzychczyk, G.Cardella, S.Cavallaro, M.B.Chatterjee, M.Colonna, E.DeFilippo, M.DiToro, W.Gawlikowicz, E.Geraci, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.LaGuidara, G.Lanzalone, G.Lanzano, J.Lukasik, C.Maiolino, Z.Majka, N.G.Nicolis, A.Pagano, E.Piasecki, S.Pirrone, R.Planeta, G.Politi, F.Porto, F.Rizzo, P.Russotto, K.Schmidt, A.Sochocka, L.Swidorski, A.Trifiro, M.Trimarchi, J.P.Wieleczko, L.Zetta, W.Zipper, Phys.Rev.Lett. 101, 262701 (2008).
50. *Quest for Hyperheavy Toroidal Nuclei*, A.Sochocka, A.Benisz, N.G.Nicolis, T.Pietrzak, R.Planeta, Z.Starypan, Acta Phys.Pol. B40, 747 (2009).
51. *Total reaction and fusion cross sections at sub- and near-barrier energies for the system $^7\text{Li} + ^{28}\text{Si}$* , A.Pakou, K.Rusek, N.Alamanos, X.Aslanoglou, M.Kokkoris, A.Lagoyannis, T.J.Mertzimekis, A.Musumarra, N.G.Nicolis, D.Pierrotsakou, D.Roubos, Eur.Phys.J. A 39, 187 (2009).
52. *Elastic backscattering measurements for $^6\text{Li}+^{28}\text{Si}$ at sub- and near-barrier energies*, K.Zerva, N.Patronis, A.Pakou, N.Alamanos, X.Aslanoglou, D.Filipescu, T.Glodariu, M.Kokkoris, M.La Commara, A.Lagoyannis, M.Mazzocco, N.G.Nicolis, D.Pierrotsakou, M.Romoli, K.Rusek, Phys.Rev. C80, 017601 (2009).
53. *Observation of fast, colinear partitioning of the $^{197}\text{Au} + ^{197}\text{Au}$ system into three and four fragments of comparable size*, J. Wilczynski, I. Skwira-Chalot, K. Siwiek-Wilczynska, A. Pagano, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M. B. Chatterjee, M. Colonna, E. De Filippo, M. Di Toro, W. Gawlikowicz, E. Geraci, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. G. Nicolis, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J. P. Wieleczko, L. Zetta, and W. Zipper, Phys. Rev. C81, 024605 (2010).
54. *Light Fragments Production and Isospin Dependences in Sn+Ni and Sn+Al Central Collisions at 25 MeV/A and 35 MeV/A from REVERSE/ISOSPIN Experiments*, K. Schmidt, A. Benisz, A. Bubak, A. Grzeszczuk, S. Kowalski, W. Zipper, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E. DeFilippo, M. DiToro, W. Gawlikowicz, E. Geraci, P. Guazzoni, E. La Guidara, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Siwiek-Wilczynska, I. Skwira-Chalot, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J.P. Wieleczko, J. Wilczynski, L. Zetta, Acta Phys. Pol. 41, 387 (2010).
55. *Aligned breakup of heavy nuclear systems as a new type of deep inelastic collisions at small impact parameters*, J. Wilczynski, I. Skwira-Chalot, K. Siwiek-Wilczynska, A. Pagano, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M. B. Chatterjee, M. Colonna, E. De Filippo, M. Di Toro, W. Gawlikowicz, E. Geraci, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N. G. Nicolis, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J. P. Wieleczko, L. Zetta, and W. Zipper, Phys. Rev. C81, 067604 (2010).
56. *Probing the potential and reaction coupling effects of $^{6,7}\text{Li}+^{28}\text{Si}$ at sub- and near-barrier energies with elastic backscattering*,

- K. Zerva, A. Pakou, K. Rusek, N. Patronis, N. Alamanos, X. Aslanoglou, D. Filipescu, T. Glodariu, N. Keeley, M. Kokkoris, M. La Commara, A. Lagoyannis, M. Mazzocco, N.G. Nicolis, D. Pierroutsakou and M. Ramoli, Phys. Rev. C **82**, 044607 (2010).
57. *Fragment production in the $^{197}\text{Au}+^{197}\text{Au}$ reaction at 23 A MeV*, R. Najman, R. Planeta, A. Sochocka and N.G. Nicolis, Phys. Scr. T154, 014008 (2013).
58. *Measurement of the $^{237}\text{Np}(n, f)$ Cross Section with the MicroMegas Detector*, M. Diakaki, M. Kokkoris, A. Kyrtos, N.G. Nicolis, E. Skordis, R. Vlastou, S. Andriamonje, E. Berthoumieux and A. Lagoyannis, Nucl. Data Sheets 119, 52 (2014).
59. *Aligned ternary partitioning of the $^{197}\text{Au} + ^{197}\text{Au}$ system at 23 A MeV beam energy*, T. Cap, K. Siwek-Wilczynska, I. Skwira-Chalot, J. Wilczynski, F. Amorini, L. Auditore, G. Cardella, E. De Filippo, E. Geraci, L. Grassi, A. Grzeszczuk, E. La Guidara, J. Han, T. Kozik, G. Lanzalone, I. Lombardo, R. Najman, N.G. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Rizzo, P. Russotto, A. Trifiro, M. Trimarchi, G. Verde, W. Zipper, Phys. Scr. 89, 054005 (2014)
60. *Study of the $6\text{Li} + p \rightarrow 3\text{He} + 4\text{He}$ reaction in inverse kinematics*, Ch. Betsou, A. Pakou, F. Cappuzzello, L. Acosta, C. Agodi, X. Aslanoglou, D. Carbone, M. Cavallaro, A. Di Pietro, J.P. Fernandez-Garcia, P. Figuera, M. Fisichella, A. Foti, N. Keeley, G. Marquinez-Duran, I. Martel, M. Mazzocco, N.G. Nicolis, D. Pierroutsakou, K. Rusek, O. Sgouros, V. Soukeras, E. Stiliaris, E. Strano, D. Torresi, Eur. Phys. J. A 51, 86 (2015).

**ΑΝΑΚΟΙΝΩΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΣΥΝΕΔΡΙΑ ΠΥΡΗΝΙΚΗΣ ΦΥΣΙΚΗΣ
(ΣΥΜΠΕΡΙΛΑΜΒΑΝΟΝΤΑΙ ΔΗΜΟΣΙΕΥΜΕΝΑ ΑΡΘΡΑ
ΣΕ ΠΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ ΜΕ Ή ΧΩΡΙΣ ΚΡΙΤΕΣ)**

1. *A Dye-Laser-Cryogenic Helium Jet System and Recoil Mass-Separator for Studies of Nuclei far from Stability*, D.L. Clark, A.G. Martin, N.G. Nicolis, S. Banerjee, T.M. Cormier, P.M. Stwertka, B.S. Lin and M.G. Herman. Fourth International Conference on Nuclei far from Stability, Helsingør (1981).
2. *Broad Structures in the Inclusive α Spectra of the $^{16}\text{O} + ^{12}\text{C}$ Reaction at High Energies*, P.M. Stwertka, T.M. Cormier, M. Herman, N.G. Nicolis, A. Szanto de Toledo, M.M. Coimbra and N. Carlin Filho. Amherst Meeting of the American Physical Society. Oct. 14-16, 1982. Bull. Am. Phys. Soc. **27**, 699(1982).
3. *Mass Spectra of Evaporation Residues in $\text{Si} + \text{Sn}$ Reactions*, P.M. Stwertka, T.M. Cormier, M. Herman and N.G. Nicolis, Baltimore Meeting of the American Physical Society. April 19-21, 1983. Bull. Am. Phys. Soc. **28**, 671(1983).
4. *Atomic Charge State Distributions Following Heavy Ion Fusion and Internal Conversion in the Continuum*, T.M. Cormier, P.M. Stwertka, M. Herman and N. Nicolis. Bull. Am. Phys. Soc. **28**, 733(1983).
5. *Evidence for Super-Deformed Shapes in the ^{148}Gd Region from Heavy Ion Fusion Reactions*, P.M. Stwertka, T.M. Cormier, M.G. Herman D. Koon and N. Nicolis. Washington Meeting of the American Physical Society. April 23-26, 1984. Bull. Am. Phys. Soc. **29**, 757(1984).
6. *γ -Ray Multiplicity Distributions in the High Spin Decay of $^{80-78}\text{Sr}$* , N. Nicolis, T.M. Cormier, M. Herman, D. Koon and P.M. Stwertka, Washington Meeting of the American Physical Society. April 23-26, 1984. Bull. Am. Phys. Soc. **29**, 674(1984).
7. *Study of ^{156}Yb* , K.N. Gamadia, M. Gai, J.F. Ennis, S.M. Sterbenz, N. Tsoupas, D.A. Bromley, P.M. Stwertka, T.M. Cormier, M. Herman and N. Nicolis. Washington Meeting of the American Physical Society. April 23-26, 1984. Bull. Am. Phys. Soc. **29**, 718(1984).
8. *γ -Multiplicity Distributions in the High Spin Decay of $^{80-78}\text{Sr}$* . N.G. Nicolis, T.M. Cormier, P.M. Stwertka and M.G. Herman. INS-RIKEN International Symposium on Heavy-Ion Physics. August 24-25 (Tokyo) and August 27-31 (Mt. Fuji), Japan, 1984.
9. *Atomic Charge State Distributions of Fusion Evaporation Residues and Nuclear Shape Changes at High Spin*, T.M. Cormier, P.M. Stwertka, M. Herman and N. Nicolis. Proceedings of the International Conference on Nuclear Physics. Florence, Italy. August 29 - September 3, 1983. Volume 1, p.668 (D182).
10. *Performance of the Rochester Recoil Mass Spectrometer*, T.M. Cormier, P.M. Stwertka, N. Nicolis and M.G. Herman, Conference on Instrumentation for Heavy-Ion Research. Oak Ridge, Tennessee, October 22-24., 1984, Proceedings p.85.
11. *The Observation of Collectivity in $^{145-148}\text{Gd}$* , P.M. Stwertka, T.M. Cormier, N.G. Nicolis and M.G. Herman. Washington Meeting of the American Physical Society. April 24-27, 1985. Bull. Am. Phys. Soc. **30**, 743(1985).
12. *Properties of ^{156}Er at Very High Spin*, T.M. Cormier, P.M. Stwertka, N.G. Nicolis and M.G. Herman. Washington Meeting of the American Physical Society. April 24-27, 1985. Bull. Am. Phys. Soc. **30**, 760(1985).

13. *A Study of High Energy Dipole Radiation in $^{28}\text{Si} + ^{90}\text{Zr}$ Reactions*, M.G. Herman, T.M. Cormier, N.G. Nicolis and P.M. Stwertka. Washington Meeting of the American Physical Society. April 24-27, 1985. Bull. Am. Phys. Soc. **30**, 742(1985).
14. *Spin Distributions of Medium Mass Evaporation Residues*, N.G. Nicolis, T.M. Cormier, P.M. Stwertka and M.G. Herman. Washington Meeting of the American Physical Society. April 24-27, 1985. Bull. Am. Phys. Soc. **30**, 708(1985).
15. *Giant Electric Dipole Radiation in Fusion Reactions with ^{54}Fe* , M.G. Herman, N.G. Nicolis, M. Satteson, T.M. Cormier and P.M. Stwertka. Washington Meeting of the American Physical Society. April 28- May 1, 1986. Bull. Am. Phys. Soc. **31**, 819(1986).
16. *Deformation Effects in the High-Spin Decay of ^{82}Zr* , N.G. Nicolis, T.M. Cormier, P.M. Stwertka and M.G. Herman. Fall Meeting of the APS and CAP Divisions of Nuclear Physics, Vancouver, B.C. Canada, October 9-11, 1986. Bull. Am. Phys. Soc. **31**, 1206(1986).
17. *Alpha-Particle Angular Distributions and Nuclear Shapes at High Spin*, N.G. Nicolis, L.A. Adler, D.G. Sarantites, K. Honkanen, M. Rajacopalan, J.R. Beene, M.L. Halbert, D. Hensley, J. Natowitz, R.P. Schmitt, D. Fabris, G. Nebbia, G. Mouchaty and N. Namboodiri. Washington Meeting of the American Physical Society, 20-23 April 1987. Bull. Am. Phys. Soc. **32**, 1077(1987).
18. *Spin and Temperature Dependence of Nuclear Deformation Using Alpha-Gamma Angular Correlations*, N.G. Nicolis, D.G. Sarantites, L.A. Adler, F.A. Dilmanian, K. Honkanen, Z. Majka, L.G. Sobotka, Z. Li, T. Semkow, J.R. Beene, M.L. Halbert, D.C. Hensley, J.B. Natowitz, R.P. Schmitt, D. Fabris, G. Nebbia and G. Mouchaty. Proceedings of the International Conference on Nuclear Shapes, Crete, Greece, 28 June - 4 July, 1987., "The Variety of Nuclear Shapes", World Scientific, J.D.Garrett, C.A.Kalfas, G.Anagnostatos, R.Vlastou, editors, p.526.
19. *A New Look at the Damped Heavy Ion Collisions with 4π Charged-Particle, Neutron and γ -Multiplicity Measurements*, Z. Majka, V. Abenante, J.R. Beene, H.C. Griffin, D.C. Hensley, N.G. Nicolis, D.G. Sarantites, T.M. Semkow, L.G. Sobotka and D.W. Stracener. Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society, Santa Fe, New Mexico; 13-15 October 1988. Bull. Am. Phys. Soc. **33** (1988) 1573.
20. *A New Look at Reaction Mechanisms with 4π Charged-Particle and Neutron Multiplicity Measurements*, D.G. Sarantites, T.M. Semkow, L.G. Sobotka, V. Abenante, Z. Li, Z. Majka, N.G. Nicolis, D.W. Stracener and D.C. Hensley. Proceedings of the "Texas A&M Symposium on Hot Nuclei", Dec. 7-10, 1987, World Scientific Publ. Co.
21. *Alpha-Particle and Proton Probes of Nuclear Shapes in the Rare Earth and Mass 80 Regions*, D.G. Sarantites, N.G. Nicolis, V. Abenante, Z. Majka, T.M. Semkow, C. Baktash, J.R. Beene, G. Garcia-Bermudez, M.L. Halbert, D.C. Hensley, N.R. Johnson, I.Y. Lee, F.K. McGowan, M.A. Riley, A. Virtanen and H.C.Griffin. Int. Conf. on "The Spectroscopy of Heavy Nuclei" Crete, Greece, 25 June - 1 July, 1989. Ed. J. Sharpey-Schafer and L.D. Skouras, (World Scientific, 1990), Int. Phys. Conf. Ser. No. **105**, (1990) p.39.
22. *Alpha-Particles as Probes of Nuclear Shape in the Rare Earths and Structure Effects on Proton Emission in the Mass 80 Region*, D.G. Sarantites, N.G. Nicolis, V. Abenante, Z. Majka, T.M. Semkow, C. Baktash, J.R. Beene, G. Garcia-Bermudez, M.L. Halbert, D.C. Hensley, N.R. Johnson, I.Y. Lee, F.K. McGowan, M.A. Riley, A. Virtanen and

- H.C.Griffin. Proceedings of the American Chemical Society Division of Nuclear Chemistry and Technology Symposium on Exotic Nuclear Spectroscopy, Miami Beach, Florida, 11-15 September, 1989. Published in "Exotic Nuclear Spectroscopy" Ed. W.C. Harris, Plenum Press, New York (1990), p. 457.
23. *Three-Quasiparticle Excitations in ^{83}Sr* , G. Garcia-Bermudez, C. Baktash, J.R. Beene, M.L. Halbert, D.C. Hensley, N.R. Johnson, I.Y. Lee, F.K. McGowan, M.A. Riley, A. Virtanen, M.A. Cardona, D.G. Sarantites, N.G. Nicolis, V. Abenante, Z. Majka, T.M. Semkow and H.C. Griffin, Proc. Int. Conf. Nucl. Structure in the Nineties, Oak Ridge, Tennessee, Vol. 1, p. 90, (1990).
 24. *Statistical Model Calculations in Highly Excited Compound Nuclei*, N.G. Nicolis and J.R. Beene, Fall Meeting of the American Physical Society, October 24-27, 1990, Urbana-Champaign, IL. Bull. Am. Phys. Soc. **35**, 1675(1990).
 25. *The 4- α Breakup of ^{16}O . Prompt or Sequential?*, J. Barretto, R. Charity, L.G. Sobotka, D.G. Sarantites, D.W. Stracener, A. Chbihi, N.G. Nicolis, R. Auble, C. Baktash, J.R. Beene, F. Bertrand, M. Halbert, D.C. Hensley, D. Horen, C. Ludermann, M. Thoennessen and R. Varner. Bull. Am. Phys. Soc. **36**, 1272(1991).
 26. *Observation of Structural Differences in Proton Evaporation Spectra*, D.G. Sarantites, D. Stracener, A. Chbihi, N.G. Nicolis, M.L. Halbert, C. Baktash, I.Y. Lee, D.C. Hensley, F. McGowan, J.R. Beene, N.R. Johnson and F. Bertrand. Bull. Am. Phys. Soc. **36**, 1270(1991).
 27. *Performance Characteristics of a 4 π Charged Particle Detector and its Applications to Spectroscopic Studies*, D.W. Stracener, D.G. Sarantites, L.G. Sobotka, J. Elson, J.T. Hood, Z. Majka, N.G. Nicolis, V. Abenante, A. Chbihi and D.C. Hensley. Bull. Am. Phys. Soc. **36**, 1301(1991).
 28. *On the Mechanism for the 4- α Breakup of Excited Oxygen Projectiles*, R.J. Charity, J. Barretto, L.G. Sobotka, D.G. Sarantites, D.W. Stracener, A. Chbihi, N.G. Nicolis, R. Auble, C. Baktash, J.R. Beene, F. Bertrand, M. Halbert, D.C. Hensley, D. Horen, C. Ludermann, M. Thoennessen and R. Varner. Bull. Am. Phys. Soc. **36**, 2134(1991).
 29. *Observation of Structural Differences in Proton Evaporation Spectra*, D. Stracener, D.G. Sarantites, A. Chbihi, N.G. Nicolis, M.L. Halbert, C. Baktash, I.Y. Lee, D.C. Hensley, F. McGowan, J.R. Beene, N.R. Johnson and F. Bertrand. Bull. Am. Phys. Soc. **36**, 2139(1991).
 30. *Statistical Deuteron and Triton Emission from Highly Excited Compound Nuclei*, N.G. Nicolis, D.G. Sarantites, L.G. Sobotka and R.J. Charity. Bull. Am. Phys. Soc. **36**, 2142(1991).
 31. *Energy Division in the Reaction $E/A = 19 \text{ MeV } ^{48}\text{Ti}$ on ^{93}Nb* , V. Abenante, D.G. Sarantites, L.G. Sobotka, A. Chbihi, N.G. Nicolis, D.W. Stracener, J.R. Beene, M.L. Halbert and D.C. Hensley, Bull. Am. Phys. Soc. **36**, 2142(1991).
 32. *Lifetimes of Subbarrier α -particle emission from Compound Nuclei by the Atomic Clock Method*, D.G. Sarantites, L. Gallamore, J. Barreto, R.J. Charity, L.G. Sobotka, N.G. Nicolis, D.C. Hensley, J.R. Beene, M.L. Halbert and R. Varner, Bull. Am. Phys. Soc. **37**, 1260(1992).
 33. *The Decay Width of Highly Excited Oxygen Projectiles*, R.J. Charity, J. Barreto, L.G. Sobotka, D.G. Sarantites, D.W. Stracener, A. Chbihi, N.G. Nicolis, R. Auble, C. Baktash, J.R. Beene, F. Bertrand, M. Halbert, D.C. Hensley, D. Horen, C. Ludermann, M. Thoennessen, and R. Varner, Bull. Am. Phys. Soc. **37**, 1284(1992).

34. *Entrance Channel Effects in the Decay of ^{164}Yb Compound Nucleus*, J.L. Barreto, D.G. Sarantites, R.J. Charity, N.G. Nicolis, L.G. Sobotka, D.W. Stracener, D.C. Hensley, J.R. Beene, C. Baktash and M. Halbert. *Bull. Am. Phys. Soc.* **37**, 1284(1992).
35. *Charged Particles as Probes to Study Entrance Channel Effects in the Composite System ^{164}Yb* , J.L. Barreto, D.G. Sarantites, R.J. Charity, N.G. Nicolis, L.G. Sobotka, D.W. Stracener, D.C. Hensley, J.R. Beene, M. Halbert, and C. Baktash, in *Advances in Nuclear Dynamics*, Proc. of the 8th Winter Workshop on Nuclear Dynamics, Jackson Hole - Wyoming, Edited by W. Bauer and B. Back (World Scientific, Singapore,1992), p 8.
36. *The Mechanism for the Disassembly of Excited ^{16}O Projectiles into Four Alpha Particles*, R.J. Charity, J.L. Barreto, L.G. Sobotka, D.G. Sarantites, D.W. Stracener, A. Chbihi, N.G. Nicolis, R. Auble, C. Baktash, J.R. Beene, F. Bertrand, D.C. Hensley, D.J. Horen, C. Ludemann, M. Thonnessen and R. Varner. *Advances in Nuclear Dynamics*, Proc. of the 8th Winter Workshop on Nuclear Dynamics, Jackson Hole - Wyoming, Edited by W. Bauer and B. Back (World Scientific, Singapore,1992), p 56.
37. *Nuclear Structure Effects in Entry State Population Using "Total Spectroscopy" of $^{58}\text{Ni}(^{28}\text{Si},4p)^{82}\text{Sr}$ at 130 MeV*, A.S. Kirov, D.G. Sarantites, D.W. Stracener, J.L. Barreto, R.J. Charity, N.G. Nicolis, L.G. Sobotka, C. Baktash, D.C. Hensley, I.Y. Lee, M.L. Halbert, F. McGowan and D. Winchell, *Bull. Am. Phys. Soc.* **38**, 980(1993).
38. *Spin Distributions and the Decay of $^{164}\text{Yb}^*$ Formed in Nearly Symmetric and Asymmetric Fusion Reactions*, N.G. Nicolis and D.G. Sarantites, *Bull. Am. Phys. Soc.* **38**, 1013(1993).
39. *The Decay of $^{164}\text{Yb}^*$ Formed in Fusion Reactions Involving Asymmetric and Nearly Symmetric Entrance Channels*, N.G. Nicolis, J. Barreto, D.G. Sarantites, R.J. Charity, L.G. Sobotka, D. Stracener, D.C. Hensley, J.R. Beene, M.L. Halbert and C. Baktash, 206th National Meeting of the American Chemical Society. (0-8412-2620-2) Chicago, IL., Aug. 22-27, 1993. Paper 96.
40. *Dynamics of symmetric and asymmetric heavy-ion fusion probed by expensive particle emission*, M. Korolija, R.J. Charity, N.G. Nicolis, D.G. Sarantites and L.G. Sobotka, *Chem. and Eng. News*, **72** (29) 104(1994).
41. *Timing of near-last-chance nuclear decays by the "atomic clock" method*, L.G. Sobotka, L. Gallamore, D.G. Sarantites, R.J. Charity and N.G. Nicolis, *Chem. and Eng. News*, **72** (29) 104(1994).
42. *Population patterns in ^{82}Sr and stretched proton emission by total spectroscopy*, A.S. Kirov, N.G. Nicolis, D.G. Sarantites, L.G. Sobotka, D.W. Stracener, R.J. Charity and C. Baktash, *Chem. and Eng. News*, **72** (29) 104(1994).
43. *Spin distributions and excitation functions in the subbarrier fusion of heavy ions*, N.G. Nicolis, *Chem. and Eng. News*, **72** (29) 104(1994).
44. *The decay of $^{164}\text{Yb}^*$ formed in asymmetric and nearly symmetric fusion reactions*, N.G. Nicolis, J.L. Barreto, D.G. Sarantites, R.J. Charity, L.G. Sobotka, D.C. Hensley, J.R. Beene, M. Halbert, C. Baktash and M. Thoennessen. *4th Hellenic Symposium on Nuclear Physics*, The University of Ioannina, October 1, 1993, Ioannina, Greece.
45. *The role of angular momentum distributions in fusion-evaporation reactions of heavy ions*, N.G. Nicolis, Proceedings of the 7th Joint Conference of the Physics Society of Greece and Cyprus, April 4-7, 1996, Heraclion, Crete, Greece. Abstracts, p. 85. Book of Proceedings, pp. 97-101.

46. *The Decay of $^{160}\text{Er}^*$ in $^{16}\text{O} + ^{144}\text{Nd}$ and $^{64}\text{Ni} + ^{96}\text{Zr}$ fusion reactions*, N.G. Nicolis, J.L. Barreto, D.G. Sarantites, R.J. Charity, L.G. Sobotka, D.W. Srtacener, D.C. Hensley, J.R. Beene, C. Baktash, M.L. Halbert, and M. Thoennessen, *7th Symposium of Nuclear Physics of the Hellenic Nuclear Physics Society*, May 24-25, 1996, Athens, Greece, Abstracts, pp. 37-38.
47. *Empirical description of heavy-ion subbarrier fusion*, N.G. Nicolis, European Conference on *Advances in Nuclear Physics and Related Areas*, Thessaloniki, Greece, 8-12 July, 1997. Book of Abstracts, p. 98.
48. *Alpha Particle Transmission Coefficients from a Global Optical Potential*, N.G. Nicolis and C.A. Papachristodoulou, International Conference on: *Symmetries in Intermediate & High Energy Physics and Applications*, September 30 - October 5, 1998, Ioannina, Greece.
49. *Empirical description of heavy-ion subbarrier fusion*, N.G. Nicolis, 1999 Centennial Meeting of the American Physical Society, March 20-26, 1999, Atlanta, Georgia, U.S.A., Bull. Am. Phys. Soc. Vol.44, No.1, 259(1999).
50. *Barrier parameters from fusion excitation functions of light reaction systems*, N.G. Nicolis and A. Varagis, *11th Symposium of Nuclear Physics of the Hellenic Nuclear Physics Society*, June 9-10, 2000, Thessaloniki, Greece.
51. *Radial collective energy of excited nuclear matter created in nucleus-nucleus collision at intermediate energy*, S. Kowalski, W. Zipper, T. Kozik, Z. Majka, P. Staszal, J. Cibor, R. Alfaro, K. Hagel, T. Keutgen, M. Lunardon, N. Marie, M. Murray, J.B. Natowitz, W. Shen, R. Wada, and N. G. Nicolis. International Workshop on Multifragmentation and Related Topics, Nov. 28 - Dec. 12. 2001, Catania, Italy.
52. *Neutron-excess dependence of fusion barrier parameters*, N.G. Nicolis, *12th Symposium of the Hellenic Nuclear Physics Society*, May 10-11, 2002, NCSR "Demokritos", Athens, Greece.
53. *Neutron cross section measurements in the Th-U cycle by the activation method*, D. Karamanis, S. Andriamonje, P.A. Assimakopoulos, G. Doukellis, D.A. Karademos, A. Karydas, M. Kokkoris, S. Kossionides, N.G. Nicolis, A. Pakou, C. Papachristodoulou, C. Papadopoulos, N. Patronis, P. Pavlopoulos, G. Perdikakis, and R. Vlastou, 10th International Symposium on Radiation Measurements and Applications, Michigan, U.S.A., 21-23 May 2002.
54. *Statistical model calculations of the $^{232}\text{Th}(n,2n)$ reaction*, D. Karamanis, S. Andriamonje, P.A. Assimakopoulos, G. Doukellis, D.A. Karademos, A. Karydas, M. Kokkoris, S. Kossionides, N.G. Nicolis, A. Pakou, C. Papachristodoulou, C. Papadopoulos, N. Patronis, P. Pavlopoulos, G. Perdikakis, and R. Vlastou, *12th Symposium of the Hellenic Nuclear Physics Society*, May 10-11, 2002, NCSR "Demokritos", Athens, Greece.
55. *Neutron-excess in analytical expressions for fusion barrier parameters*, N.G. Nicolis, Philadelphia Meeting of the American Physical Society, April 5-8, 2003.
56. *Influence of model assumptions on the radial flow investigation in heavy ion collisions*, T. Kozik, Z. Majka, R. Planeta, P. Staszal, A. Wolanin-Statek, S. Kowalski, W. Zipper, J. Cibor, E. Kozik, and N.G. Nicolis, 13th Symposium of the Hellenic Nuclear Physics Society, University of Ioannina, Ioannina, Greece. May 30-31, 2003.

57. *Development of a Monte-Carlo evaporation code for multi-fragment emission*, N.G. Nicolis, 13th Symposium of the Hellenic Nuclear Physics Society, University of Ioannina, Ioannina, Greece. May 30-31, 2003.
58. *Search for toroidal and bubble nuclei formed in the Au + Au reaction*, R. Planeta, J.Blicharska, J.Brzychczyk, J.Cibor, A. Grzeszczuk, P.Hachaj, S.Kowalski, Z.Majka, N.Nicolis, K.Schmidt and W.Zipper for the CHIMERA Collaboration. Proceedings of the *International Workshop on Multifragmentation and Related Topics*, GANIL, Caen, France, November 5-7, 2003.
59. *Present status of the CHIMERA-ISOSPIN experiment*, G.Politi, M.Alderighi, F.Amorini, A.Anzalone, N.Arena, L.Auditore, V.Baran, R.Barnà, I.Berceanu, J.Blicharska, A.Bonasera, B.Borderie, R.Bougault, J.Briczycnski, M.Bruno, G.Cardella, Sl.Cavallaro, M.B.Chatterjee, A.Chbihi, J.Cibor, M.Colonna, M.D'Agostino, R.Dayras, E.DeFilippo, M.Di Toro, D.DePasquale, E.Fuschini, W.Gawlikowicz, E.Geraci, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, M.IaconoManno, S.Kowalski, E.LaGuidara, G.Lanzalone, G.Lanzanò, N.LeNeindre, S.Li, S.lo Nigro, C.Maiolino, Z.Majka, N.G.Nicolis, A.Pagano, M.Papa, M.Petrovici, E.Piasecki, S.Pirrone, R.Planeta, A.Pop, F.Porto, M.F.Rivet, E.Rosato, F. Rizzo, S.Russo, P.Russotto, M.Sassi, G.Sechi, K.Siwiek-Wilczynska, I.Skwira, M.L.Sperduto, L.Swidorski, A.Trifirò, M.Trimarchi, G.Vannini, M.Vigilante, J.P.Wieleczko, J.Wilczynski, H.Wu, Z.Xiao, L.Zetta, and W.Zipper, Proceedings of the *International Workshop on Multifragmentation and Related Topics*, GANIL, Caen, France, November 5-7, 2003.
60. *Επίδραση του πλεονάσματος νετρονίων στις ακτίνες σύντηξης βαρέων ιόντων*, Ν.Γ. Νικολής, 10^ο Πανελλήνιο Συνέδριο Φυσικής της Ένωσης Ελλήνων Φυσικών, Λουτράκι, 28 Ιανουαρίου – 1 Φεβρουαρίου, 2004.
61. *Simulation of fragment correlations in the disintegration of non-compact nuclear configurations*, N.G. Nicolis, 14th Symposium of the Hellenic Nuclear Physics Society, National Technical University of Athens, Athens, May 21-22, 2004.
62. *Exclusive breakup of ${}^6\text{Li}$ on a ${}^{28}\text{Si}$ target at near-barrier energies*, A. Pakou, N. Patronis, N. Alamanos, G. Doukelis, G. Kalyva, M. Kokkoris, S. Kosionides, A. Lagogiannis, A. Musumarra, N.G. Nicolis, G. Perdikakis, D. Pierroutsakou, E.C. Pollacco, K. Rusek and Ch. Zarkadas, 14th Symposium of the Hellenic Nuclear Physics Society, National Technical University of Athens, Athens, May 21-22, 2004.
63. *Sequential binary decay of highly excited ${}^{40}\text{Ar}^*$* , N.G. Nicolis, 15th Symposium of the Hellenic Nuclear Physics Society, Aristotle University of Thessaloniki, Thessaloniki, Greece, May 27-28, 2005.
64. *Total reaction cross section for ${}^6\text{Li} + {}^{28}\text{Si}$ at barrier energies – A new technique*, A. Pakou, A. Musumarra, N.G. Nicolis, D. Pierroutsakou, N. Alamanos, N. Divis, G. Doukelis, S. Harissopoulos, G. Kalyva, A. Lagoyannis, T. Mertzimekis, G. Perdikakis, D. Roubos, K. Rusek, S. Spyrou, and Ch. Zarkadas, 15th Symposium of the Hellenic Nuclear Physics Society, Aristotle University of Thessaloniki, Thessaloniki, Greece, May 27-28, 2005.
65. *Investigation of exotic system decay in nuclear reactions measured with the CHIMERA detector*, A.Sochocka, F.Amorini, A.Anzalone, L.Auditore, V.Baran, I.Berceanu, J.Blicharska, J.Brzychczyk, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, M.Colonna, M.D'Agostino, E.DeFilippo, R.Dayras, M.DiToro, J.Frankland, E.Galichet, E.Geraci, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, P.Hachaj, M.Iacono-Manno, S.Kowalski, E.LaGuidara, G.Lanzano, G.Lanzalone,

- J.Lukasik, C.Maiolino, Z.Majka, N.LeNeindre, N.G.Nicolis, A.Pagano, M.Papa, M.Petrovici, E.Piasecki, S.Pirrone, R.Planeta, G.Politi, A.Pop, F.Porto, M.F.Rivet, E.Rosato, F.Rizzo, S.Russo, P.Russotto, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira-Chalot, M.L.Sperduto, Z.Starypan, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, G.Verde, M.Vigilante, J.P.Wieleczko, J.Wilczynski, L.Zetta, and W.Zipper, Proceedings of the International Conference on Multifragmentation and Related Topics, Nov. 28 - Dec. 1, Catania, Italy.
66. *A study of $^{197}\text{Au} + ^{197}\text{Au}$ collisions at 15 MeV/nucleon with the CHIMERA multi-detector*, I. Skwira-Chalot, K. Siwiek-Wilczynska, J. Wilczynski, F. Amorini, A. Anzalone, L. Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E. De Filippo, M. Di Toro, W. Gawlikowicz, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzano, G. Lanzalone, C. Maiolino, Z. Majka, N.G. Nicolis, A. Pagano, M. Papa, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, F. Porto, F. Rizzo, P. Russotto, K. Schmidt, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, J.P. Wieleczko, L. Zetta, and W. Zipper, Proceedings of the International Conference on Multifragmentation and Related Topics, Nov. 28 - Dec. 1, Catania, Italy.
67. *Isospin Effects in Neutron-rich and Neutron-poor Sn+Ni Systems*, R.Planeta, F.Amorini, A.Anzalone, L.Auditore, V.Baran, I.Berceanu, J.Blicharska, J.Brzychczyk, B.Borderie, R.Bougault, M.Bruno, G.Cardella, S.Cavallaro, M.B.Chatterjee, A.Chbihi, M.Colonna, M.D'Agostino, E.DeFilippo, R.Dayras, M.DiToro, J.Frankland, E.Galichet, W.Gawlikowicz, E.Geraci, F.Giustolisi, A.Grzeszczuk, P.Guazzoni, D.Guinet, M.Iacono-Manno, S.Kowalski, E. LaGuidara, G.Lanzano, G.Lanzalone, J.Lukasik, C.Maiolino, Z.Majka, N.LeNeindre, N.G.Nicolis, A.Pagano, M.Papa, M.Petrovici, E.Piasecki, S.Pirrone, G.Politi, A.Pop, F.Porto, M.F.Rivet, E.Rosato, F.Rizzo, S.Russo, P.Russotto, M.Sassi, K.Schmidt, K.Siwiek-Wilczynska, I.Skwira-Chalot, A.Sochocka, M.L.Sperduto, Z.Starypan, L.Swidorski, A.Trifiro, M.Trimarchi, G.Vannini, G.Verde, M.Vigilante, J.P.Wieleczko, J.Wilczynski, L.Zetta, and W.Zipper, Proceedings of the International Conference on Multifragmentation and Related Topics, Nov. 28 - Dec. 1, Catania, Italy.
68. *Recent progress in studying the dynamical fragment production with CHIMERA*, P.Russotto, F. Amorini, A. Anzalone, L. Auditore, V. Baran, I. Berceanu, J. Blicharska, J. Brzychczyk, B. Borderie, R. Bougault, M. Bruno, G. Cardella, S. Cavallaro, R. Coniglione, M.B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, E. De Filippo, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzano, C. Maiolino, Z. Majka, N. LeNeindre, N.G. Nicolis, A. Pagano, M. Papa, M. Petrovici, E. Piasecki, S. Pirrone, R. Planeta, G. Politi, A. Pop, F. Porto, M.F. Rivet, E. Rosato, F. Rizzo, S. Russo, M. Sassi, K. Schmidt, K. Siwiek-Wilczynska, I. Skwira, M.L. Sperduto, A. Sochocka, L. Swiderski, A. Trifiro, M. Trimarchi, G. Vannini, M. Vigilante, J.P. Wieleczko, J. Wilczynski, L. Zetta and W. Zipper, Proceedings of the International Conference on Multifragmentation and Related Topics, Nov. 28 - Dec. 1, Catania, Italy.
69. *Unified description of fusion and evaporation in the decay of light and medium mass compound nuclei*, N.G. Nicolis, 11th Panhellenic Conference of the Hellenic Physics Society, March 30 – April 2, 2006, Larisa, Greece.
70. *Sequential binary decay of light nuclear systems: An assessment of statistical model codes*, N.G. Nicolis, 16th Symposium of the Hellenic Nuclear Physics Society, May 26-27, 2006, University of Athens, Athens, Greece.

71. *Search for hyperheavy toroidal structures formed in heavy-ion collisions*, A. Sochocka, A. Benisz, P. Hachaj, N.G.Nicolis, R.Planeta and Z. Starypan, Fourth International Workshop on Multifragmentation and Related Topics (IWM2007), GANIL, France, November 4th-7th, 2007.
72. *Present and future activity with the CHIMERA 4 π detector*, G.Cardella, C. Agodi, F.Amorini, A.Anzalone, N.Arena, L.Auditore, R.Barna, A.Benisz, I.Berceanu, S.Cavallaro, E.De Filippo, U.Emanuele, W.Gawlikowicz, L.Grassi, G.Giuliani, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.La Guidara, G.Lanzalone, I.Lombardo, S.Lo Nigro, D.Loria, C.Maiolino, N.G.Nicolis, A.Pagano, M.Papa, I.Pawelczak, M.Petrovici, S.Pirrone, E. Piasecki, S. Pirrone, R.Planeta, G.Politi, A.Pop, F.Porto, F.Previdi, M.Quinlan, F.Rizzo, E.Rosato, P.Russotto, W. U.Schroder, I.Skwira-Chalot, V. Sopala, K.Siwiek-Wilczynska, K.Schmidt, M.L. Sperduto, A.Suchocka, M. Stiro, L.Swidorski, A.Trifiro, M.Trimarchi, J.Toke, G.Verde, M.Vigilante, J.Wilczynski, L.Zetta and W.Zipper, p. 21, Proceedings of the (IWM2007) International workshop on multifragmentation and related topics, 4-7 November 2007, Caen, France. Edited by B.Borderie, J. Frankland, A. Pagano, S. Pirrone and F. Rizzo, Societa Italiana di Fisica, (2008). ISBN 978-88-7438-042-8.
73. *Investigation of the isospin dependences in Sn+Ni and Sn+Al systems*, K. Schmidt, C. Agodi, F.Amorini, A.Anzalone, L.Auditore, V. Baran, A.Benisz, I.Berceanu, A. Bonasera, B. Borderie, J.Borgensztajn, R. Bougault, M. Bruno, J. Brzychczyk, G.Cardella, S.Cavallaro, R. Coniglione, M.B. Chatterjee, A. Chbihi, M. Colonna, M.D' Agostino, R. Dayras, E.De Filippo, M. Di Toro, J. Frankland, E. Galichet, W.Gawlikowicz, E. Geraci, G.Giuliani, F. Giustolisi, A.Grzeszczuk, P.Guazzoni, D. Guinet, S.Kowalski, E.La Guidara, G. Lanzalone, N. Le Neindre, J. Lukasik, C.Maiolino, Z. Majka, N.G.Nicolis, A.Pagano, M.Papa, M. Petrovici, S.Pirrone, E. Piasecki, S. Pirrone, R.Planeta, G.Politi, A.Pop, F.Porto, M.F. Rivet, F.Rizzo, E.Rosato, S. Russo, P.Russotto, I.Skwira-Chalot, K.Siwiek-Wilczynska, A.Suchocka, L. Swiderski, A.Trifiro, M.Trimarchi, G. Vannini, M. Vigilante, J. Wieleczko, J.Wilczynski, L.Zetta and W.Zipper, p. 241, Proceedings of the (IWM2007) International workshop on multifragmentation and related topics, 4-7 November 2007, Caen, France. Edited by B.Borderie, J. Frankland, A. Pagano, S. Pirrone and F. Rizzo, Societa Italiana di Fisica, (2008). ISBN 978-88-7438-042-8.
74. *Fast ternary fission of $^{197}\text{Au} + ^{197}\text{Au}$ system at 15 MeV/nucleon*, I.Skwira-Chalot, J.Wilczynski, F.Amorini, A.Anzalone, L.Auditore, V. Baran, J. Brzychczyk, G. Cardella, S. Cavallaro, M.B. Chatterjee, M. Colonna, E.De Filippo, M. Di Toro, W.Gawlikowicz, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.La Guidara, G. Lanzano, G. Lanzalone, J. Lukasik, C. Maiolino, Z. Majka, N.G.Nicolis, A.Pagano, M.Papa, E. Piasecki, S. Pirrone, R.Planeta, G. Politi, F. Porto, F. Rizzo, P.Russotto, K. Schmidt, A.Suchocka, L. Swiderski, A.Trifiro, M.Trimarchi, J. Wieleczko, L.Zetta and W.Zipper, p. 247, Proceedings of the (IWM2007) International workshop on multifragmentation and related topics, 4-7 November 2007, Caen, France. Edited by B.Borderie, J. Frankland, A. Pagano, S. Pirrone and F. Rizzo, Societa Italiana di Fisica, (2008). ISBN 978-88-7438-042-8.
75. *Search for toroidal nuclei formed in heavy-ion collisions*, A. Sochocka, A. Benisz, P. Hachaj, N.G. Nicolis, R. Planeta and Z. Starypan, p. 345, Proceedings of the (IWM2007) International workshop on multifragmentation and related topics, 4-7 November 2007, Caen, France. Edited by B.Borderie, J. Frankland, A. Pagano, S. Pirrone and F. Rizzo, Societa Italiana di Fisica, (2008). ISBN 978-88-7438-042-8.

76. *Strong transfer channels for reactions with weakly bound projectiles at near and sub-barrier energies and implications to fusion*, A.Pakou, K. Rusek, N. Alamanos, X. Aslanoglou, M. Kokkoris, A. Lagoyannis, V. Lapoux, T.J. Mertzimekis, A. Musumarra, N.G. Nicolis, D. Pieroutsakou and D. Roubos, 17th Symposium of the Hellenic Nuclear Physics Society, May 30-31, 2008, University of Ioannina, Ioannina, Greece.
77. *Search for exotic nuclear disintegration configurations in heavy-ion collisions*, A. Sochocka, A. Benisz, P. Hachaj, N.G.Nicolis, R.Planeta and Z. Starypan, 17th Symposium of the Hellenic Nuclear Physics Society, May 30-31, 2008, University of Ioannina, Ioannina, Greece.
78. *Analysis of elastic backscattering and fusion data for $^{6,7}\text{Li}+^{28}\text{Si}$ at sub- and near-barrier energies: Probing the nuclear potential anomaly of weakly bound nuclei*, N. Patronis, K. Zerva, A. Pakou, N. Alamanos, X. Aslanoglou, D. Filipescu, T. Glodariu, M. Kokkoris, M. La Commara, A. Lagoyannis, M. Mazzocco, N.G. Nicolis, D. Pieroutsakou, M. Romoli and K. Rusek, 18th Symposium of the Hellenic Nuclear Physics Society, NSCR "Demokritos", 29-30 May, 2009.
79. *Elastic backscattering measurements for $^{6,7}\text{Li}+^{28}\text{Si}$ at sub- and near-barrier energies*, K. Zerva, N. Patronis, A. Pakou, N. Alamanos, X. Aslanoglou, D. Filipescu, T. Glodariu, M. Kokkoris, M. La Commara, A. Lagoyannis, M. Mazzocco, N.G. Nicolis, D. Pieroutsakou, M. Romoli and K. Rusek, 18th Symposium of the Hellenic Nuclear Physics Society, NSCR "Demokritos", 29-30 May, 2009.
80. *Isospin Effects in Heavy-Ion Collisions: Some Results From CHIMERA Experiments At LNS And Perspectives With Radioactive Beams*, G.Cardella, F.Amorini, A.Anzalone, N.Arena, L.Auditore, R.Barna, A.Benisz, I.Berceanu, M.B.Chatterjee, S.Cavallaro, E.De Filippo,U.Emanuele, W.Gawlikowicz, E. Geraci, L.Grassi, G.Giuliani, A.Grzeszczuk, P.Guazzoni, S.Kowalski, E.La Guidara, G.Lanzalone, I.Lombardo, S.Lo Nigro, D.Loria, C.Maiolino, N.G.Nicolis, A.Pagano, M.Papa, I.Pawelczak, M.Petrovici, S.Pirrone, R.Planeta, G.Politi, A.Pop, F.Porto, F.Previdi, M.Quinlan, F.Rizzo, E.Rosato, P.Russotto, W. U.Schroder, I.Skwira-Chalot, K.Siwiek-Wilczynska, K.Schmidt, A.Suchocka, L.Swidorski, A.Trifiro, M.Trimarchi, J.Toke, G.Verde, M.Vigilante, J.Wilczynski, L.Zetta and W.Zipper, Perspectives in Nuclear Physics. Edited by S.-C. Jeong, H. Miyatake, Y. Utsuno, H. Ikezoe, T. Motobayashi, and A. Bracco, Perspectives in Nuclear Physics, Edited by S.-C. Jeong, H. Miyatake, Y. Utsuno, H. Ikezoe, T. Motobayashi and A.Bracco, American Institute of Physics ISBN 978-07354-0655-1/09/.
81. *Is recognition of toroidal nuclear structures possible in Au + Au collisions at 23MeV/nucleon?*, R. Planeta, A. Bubak, A. Grzeszczuk, S. Kowalski, T. Kozik, Z. Majka, N.G. Nicolis, E. Piasecki, K.Siwiek-Wilczyńska, I. Skwira-Chalot, A. Sochocka, J. Wilczyński and W. Zipper, Proceedings of the International Conference on Multifragmentation and Related Topics, Catania, Italy, 4-7 November, 2009.
82. *Isotopic distributions in ^{40}Ar projectile fragmentation*, N.G. Nicolis, , 19th Symposium of the Hellenic Nuclear Physics Society, Aristotle University of Thessaloniki, Thessaloniki, Greece, May 28-29, 2010.
83. *Population of isomeric states in neutron-induced reactions on ^{197}Au* , N.G. Nicolis, R. Vlastou, C.T. Papadopoulos, M. Kokkoris and M. Diakaki, 21st Symposium of the Hellenic Nuclear Physics Society, National Centre for Scientific Research "Demokritos", Athens, May 25-26, 2012.
84. *Characteristics of the fragment production in $^{197}\text{Au}+^{197}\text{Au}$ reaction at 23 AMeV*, R.Najman, F.Amorini, L.Auditore, A.Bubak, T.Cap, G.Cardella, E. De Filippo,

- E.Geraci, L.Grassi, A.Grzeszczuk, E.La Guidara, J.Han, D.Ioria, S.Kowalski, T.Kozik, G.Lanzalone, I.Lombardo, Z.Majka, N.G.Nicolis, A.Pagano, E.Piasecki, S.Pirrone, R.Płaneta, G.Politi, F.Rizzo, P.Russotto, K.Siwiek-Wilczyńska, I.Skwira-Chalot, A.Sochocka, A.Trifirò, M.Trimarchi, J.Wilczyński, G.Verde, W.Zipper, 47th Zakopane Conference on Nuclear Physics, Zakopane, Poland, Aug. 27 - Sept. 2, 2012.
85. *Measurement of the $^{237}\text{Np}(n,f)$ cross section with the MicroMegas detector*, M. Diakaki, M. Kokkoris, A. Kyrtos, N.G. Nicolis, E. Skordis, R. Vlastou, S. Andriamonje, E. Berthoumieux and A. Lagoyannis, International Conference on Nuclear Data for Science and Technology, New York, U.S.A., March 4-8, 2013.
86. *New measurements of the $^{241}\text{Am}(n,2n)^{240}\text{Am}$ cross section*, A Kalamara, M. Diakaki, R. Vlastou, M. Kokkoris, N.Nikolis, A. Tsinganis, S. Ashley, M.Axiotis and A. Lagoyannis, International Conference on Nuclear Data for Science and Technology, New York, U.S.A., March 4-8, 2013.
87. *New high energy neutron facility at NCSR "Demokritos"*, M. Anastasiou, A. Kalamara, M. Diakaki, R. Vlastou, M. Kokkoris, V. Paneta, M. Axiotis, A. Lagoyannis, N. Nikolis and M. Serris, 22nd Symposium of the Hellenic Nuclear Physics Society, The School of Science, University of Athens, May 31 and June 1, 2013.
88. *Measurement of the $^{241}\text{Am}(n,2n)^{240}\text{Am}$ cross section at 17.5 MeV*, A. Kalamara, M. Diakaki, R. Vlastou, M. Kokkoris, M. Anastasiou, V. Paneta, M. Axiotis, A. Lagoyannis and N. Nikolis, 22nd Symposium of the Hellenic Nuclear Physics Society, The School of Science, University of Athens, May 31 and June 1, 2013.

ΔΙ-ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΑΝΑΚΟΙΝΩΣΕΙΣ ΣΕ ΣΥΝΕΔΡΙΑ

1. *Ο ρόλος των Πλατωνικών και Αρχιμηδείων πολυέδρων στην σχεδίαση ανιχνευτικών συστημάτων πυρηνικής φυσικής*, Ν.Γ. Νικολής, Πρακτικά του 8^ο Κοινού Συνεδρίου της Ένωσης Ελλήνων Φυσικών και Ένωσης Κυπρίων Φυσικών, 17-19 Ιανουαρίου, 2003, Καλαμάτα.
2. *Polyhedral designs of detection systems for nuclear physics studies*, Ν.Γ. Nicolis, Πρακτικά του Joint Meeting of ISAMA 2003 and the 6th Annual BRIDGES Conference, University of Granada, Spain, July 23-25, 2003, pp. 219-228.
3. *Electrostatic Patterns in the Interior of a Circular Region*, Ν.Γ. Nicolis, Πρακτικά του BRIDGES 2007 Conference, San Sebastian, Spain, July 24-27, 2007, pp.169-176.
4. *Διαμορφώσεις ισορροπίας ενός συστήματος σημειακών φορτίων στο εσωτερικό ενός δίσκου*, Ν.Γ. Νικολής, Πρακτικά του 10^{ου} Κοινού Συνεδρίου της Ένωσης Ελλήνων και Κυπρίων Φυσικών, Κέρκυρα, 1-10 Μαρτίου, 2007.

ΑΡΘΡΑ ΓΙΑ ΤΗΝ ΙΣΤΟΡΙΑ ΤΗΣ ΕΠΙΣΤΗΜΗΣ

1. "Ο Einstein και η Ατομική Βόμβα". Ενθετο Ε-Ιστορικά εφημερίδας *Ελευθεροτυπία* (20 Μαΐου, 2004).
2. "Ο Einstein και το Φωτοηλεκτρικό Φαινόμενο". Ενθετο Ε-Ιστορικά εφημερίδας *Ελευθεροτυπία* (6 Οκτωβρίου, 2005).

3. “Το Φυσικό Έργο του Γαλιλαίου”, Ενθετο Ε-Ιστορικά εφημερίδας *Ελευθεροτυπία* (2 Φεβρουαρίου, 2006).
4. “Η ανακάλυψη του Ραδίου και Πολωνίου από το ζεύγος Κιουρί”, Ενθετο Ε-Ιστορικά εφημερίδας *Ελευθεροτυπία* (20 Απριλίου, 2006).
5. “Οι Αρχές της Μηχανικής και η Οπτική του Νεύτωνα”, Ενθετο Ε-Ιστορικά εφημερίδας *Ελευθεροτυπία* (22 Ιουνίου, 2006).

ΣΕΜΙΝΑΡΙΑ

Καινοτομίες στο Περιεχόμενο, τις Μεθόδους και τα Μέσα Διδασκαλίας των Φυσικών Επιστημών, Πάντειο Πανεπιστήμιο Κοινωνικών και Πολιτικών Επιστημών (31 Μαρτίου, 2013).

ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ

- *Angular Momentum Transfer to Medium Mass Evaporation Residues*, Department of Physics, State University of New York at Stony Brook. (Nov. 28, 1985).
- *Particle Emission from Highly Excited Compound Nuclei: Penetrabilities and Level Densities*, Grand Accelérateur National D'ions Lourds Laboratoire, Caen, France. (Aug. 25, 1992).
- *Spin Distributions and Excitation Functions in Subbarrier Fusion of Heavy Ions*, 206th National Meeting of the American Chemical Society. "Symposium on Nuclear Structure Research with the New Arrays and Detectors". Chicago, IL., U.S.A. (Aug. 22-27, 1993).
- *Τι μπορούμε να μάθουμε από την εκπομπή σωματίων από υψηλά διεγερμένους σύνθετους πυρήνες*; Σεμινάριο Τμήματος Φυσικής Πανεπιστημίου Ιωαννίνων. (Μάιος 1995).
- *Κατανομές στροφορμής σε αντιδράσεις σύντηξης βαρέων ιόντων*, Σεμινάριο Τμήματος Φυσικής Πανεπιστημίου Ιωαννίνων. (26 Ιανουαρίου 1996).
- *Phenomenological Aspects of Heavy-Ion Fusion and Interaction Barrier Parameters*, Institute of Physics, Jagellonian University, Krakow, Poland (May 16, 2000).
- *Αναζήτηση πυρηνικών καταστάσεων μη-συμπαγούς γεωμετρίας σε κρούσεις βαρέων ιόντων*, Σεμινάριο Τμήματος Φυσικής Πανεπιστημίου Ιωαννίνων. (5 Μαΐου, 2004).
- *Αναζητώντας “πυρηνικές φουσαλίδες”*, Ημερίδα της Ένωσης Ελλήνων Φυσικών και του Τμήματος Εκπαίδευσης Δήμου Πειραιά (*Μεγάλες Στιγμές της Φυσικής: Οι σύγχρονες εξελίξεις της Φυσικής και η επίδρασή τους στην κοινωνία*), Πειραιάς, 28 Ιουνίου, 2004.
- *Development of a Statistical Model Code for Intermediate Mass Fragment Emission*, Institute of Physics, Jagellonian University, Krakow, Poland (September 28, 2004).
- *Γεωμετρία Πολυέδρων και Πυρηνική Φυσική*, Ν.Γ. Νικολής, 1^ο Διεθνές Διεπιστημονικό Συνέδριο “Επιστήμη και Τέχνη”, 16-19 Ιουνίου, 2005, Ευγενίδειο Πλανητάριο, Αθήνα.
- *Γεωμετρία Πολυέδρων και Πυρηνική Φυσική*, Επιστημονικό Συμπόσιο της Ένωσης Ελλήνων Φυσικών, “Επιστήμη και Τέχνη: Η επίδραση των Φυσικών Επιστημών στις Εικαστικές Τέχνες”, Λευκάδα, 7-8 Οκτωβρίου, 2005.
- *Γεωμετρία των Πολυέδρων: Σύνδεσμοι μεταξύ Επιστήμης και Τέχνης*, Επιστήμη και Τέχνη: Τριήμερη Συνάντηση της Ένωσης Ελλήνων Φυσικών. Πολυχώρος Αθηναϊς, Βοτανικός, Αθήνα 15-17 Ιουνίου, 2006.
- *Κανονικά Πολύγωνα, Πολύεδρα και Ηλεκτροστατική*, 2^ο Διεθνές Διεπιστημονικό Συνέδριο Επιστήμη και Τέχνη, 16-19 Ιανουαρίου, 2008, Τεχνόπολις, Δήμου Αθηναίων.
- *Η επίδραση του διαδικτύου σε ατομικό και συλλογικό επίπεδο*, ΛΑ΄ Πανελλήνιο Ιστορικό Συνέδριο, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη, 28-30 Μαΐου, 2010.

ΣΗΜΕΙΩΣΕΙΣ ΠΑΝΕΠΙΣΤΗΜΙΑΚΩΝ ΠΑΡΑΔΟΣΕΩΝ

- Σημειώσεις Πανεπιστημιακών Παραδόσεων Ηλεκτρισμού και Μαγνητισμού.
 - <http://ecourse.uoi.gr/course/view.php?id=1219>
- Διαλέξεις Σύγχρονης Φυσικής: Εισαγωγή στην Ειδική θεωρία της Σχετικότητας.
 - <http://ecourse.uoi.gr/course/view.php?id=1375>
- Διαλέξεις Πυρηνικής Φυσικής II.
 - <http://ecourse.uoi.gr/course/view.php?id=1410>

ΒΙΒΛΙΑ

1. *Εισαγωγή στις Πυρηνικές Αντιδράσεις*, G.R. Satchler, Second Edition, MacMillan Education LTD (1990). Μετάφραση και επιμέλεια Ν.Γ. Νικολή. Εκδόσεις ΠΕΛΕΚΑΝΟΣ (1999).
2. *Σύγχρονη Φυσική*, A. Beiser, McGraw-Hill, 1995. Μετάφραση Α. Πάκου και Ν. Νικολή, Εκδόσεις Gutenberg (τυποθητω), Αθήνα (2000).
3. *Proceedings of the 9th Symposium of the Hellenic Nuclear Physics Society*, 30 Σεπτεμβρίου – 5 Οκτωβρίου, 1998, Ιωάννινα. Θ. Κωσμάς και Ν. Νικολής (επιμέλεια έκδοσης). Εκδοση Πανεπιστημίου Ιωαννίνων (Σεπτέμβριος 2001).
4. *Proceedings of the 17th Symposium of the Hellenic Nuclear Physics Society*, May 30-31, 2008, The University of Ioannina, Ioannina, Greece., A. Pakou, T.J. Kosmas and N.G. Nicolis (Editors).