

JACINTO ALBERTO LIENDO

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Place of Birth: Caracas, Venezuela
Date of Birth: September 24, 1956
Citizenship: Venezuela
Marital Status: Married
Education: Simón Bolívar University, Venezuela, Licentiate, Physics, 1978.
Florida State University, USA, M.S., Physics, 1983
(Fellowship: Grand Mariscal de Ayacucho Foundation, Venezuelan Government)
Florida State University, USA, Ph.D., Physics, 1993
(Teaching and Research Assistantship: Florida State University, USA)

Other Studies: Intensive English, Center for Intensive English Studies, The Florida State University, USA, July, 1981.
Radioactive Security, The Florida State University, USA, 1987.

Academic Experience:

1975-78, Assistant, Solid State Laboratory, Physics Department, Simón Bolívar University, Venezuela.

1978, Assistant, Physics Department, Simón Bolívar University, Venezuela.

1978-79, Teacher of Physics and Mathematics, Fray Luis de León High School, Caracas, Venezuela.

1979-81, Professor (Instructor) of Physics, Physics Department, Simón Bolívar University, Venezuela.

1983 -1987, Teacher of Physics, Madre Matilde High School, Caracas, Venezuela.

April 5, 1984-December 30,1984, Part Time Professor, Physics Department, Simón Bolívar University, Caracas, Venezuela.

September 1, 1983 - March 31,1984, Part Time Professor of Mathematical Analysis, School of Administration, Antonio José de Sucre Institute of Technology, Caracas, Venezuela.

October 1984 - October 1987, Part Time Professor, Physics Department, Metropolitan University, Caracas, Venezuela.

October 1985 - October 1986, Part Time Professor of Physics, School of Physics Education, Catholic University, Caracas, Venezuela.

1987-88, Teaching Assistant, Physics Department, Florida State University, USA.

1988-93, Research Assistant, Physics Department, Florida State University, USA.

1993-1998 Research Associate (and also Professor at the graduate level), Center of Physics, Venezuelan Institute for Scientific Research, Caracas, Venezuela.

January 1, 1994 – December 31, 1994
Part Time Professor, Physics Department, Simón Bolívar University, Caracas, Venezuela

January 1, 1997- December 15, 1997
Part Time Professor, Physics Department, Simón Bolívar University, Caracas, Venezuela.

1998-2000, Associate Professor, Physics Department, Simón Bolívar University, Caracas, Venezuela.

2005, Sabbatical, Visiting Professor, Physics Department, Florida State University Nuclear, USA.

2012, Visiting Professor, Université Bordeaux 1, Centre d'Etudes Nucléaires de Bordeaux Gradignan (CENBG), 16/11/12 to 20/12/12, Bordeaux, France.

2000-2019, Full Time Professor (Profesor Titular), Physics Department, Simón Bolívar University, Caracas, Venezuela.

2019-Present, Professor (Profesor Titular Vitalicio), Physics Department, Simón Bolívar University, Caracas, Venezuela.

Academic and Administrative Positions

Head of the Physics Department (in charged) , Simón Bolívar University, Caracas, Venezuela, 2020.

Member of the Academic Office Advisory Council for Undergraduate and Graduate Physics Studies (Coordinación de Física), Simón Bolívar University, Caracas, Venezuela, since September 2015.

Head of Laboratory D (Physics), Simón Bolívar University, Caracas, Venezuela, since October 2017 until February 2019.

Member of the Academic Office Advisory Council for Undergraduate and Graduate Physics Studies (Coordinación de Física), Simón Bolívar University, Caracas, Venezuela, since September 2015.

Member of the Physics Department Advisory Council, Simón Bolívar University, Caracas, Venezuela, since September 2013.

Member of the Academic Office Advisory Council for Undergraduate and Graduate Physics Studies (Coordinación de Física), Simón Bolívar University, Caracas, Venezuela, since February 2007 until 2013.

Member of the Physics Department Advisory Council, Simón Bolívar University, Caracas, Venezuela, since September 2006 until May 2010.

Professorial Representative in the Simón Bolívar University Superior Council, Caracas, Venezuela, since 2008 until 2010.

Member of the Physics Department Advisory Council, Simón Bolívar University, Caracas, Venezuela, since February until September 2006

Head of the Physics Academic Office (Coordinación de Física) for Graduate and Undergraduate Studies, Simón Bolívar University, Caracas, since September 2001 until December 2004.

Appointed by the National University Council of Venezuela to evaluate the Physics Master Program of the Venezuelan Institute for Scientific Research, April 11, 2003.

Research Collaborator, Center of Physics, Venezuelan Institute for Scientific Research, since 1998 until 2001.

Coordinator of basic physics courses FS1112-Mechanics (twice), FS2211-Electricity and Magnetism I (twice), FS2212-Electricity and Magnetism II (twice), Simón Bolívar University, Caracas, Venezuela, since 1998.

Member of the Physics Department Advisory Council, Simón Bolívar University, Caracas, Venezuela, since September 2001 until December 2004.

Member of the Advisory Council of the Academic Office for Graduate and Undergraduate Physics Studies, Simón Bolívar University, Caracas, Venezuela, since September 2000 until September 2001.

Coordinator of Seminars, Center of Physics, Venezuelan Institute for Scientific Research, Caracas, Venezuela, since January 1994 until January 1996.

Coordinator of the Mechanical Workshop. Center of Physics, Venezuelan Institute for Scientific Research, Caracas, Venezuela, since August 1994 until November 1997.

Substituting Coordinator of the Graduate Physics Program, Center of Physics, Venezuelan Institute for Scientific Research, Caracas, Venezuela, since June until December 1997.

Substituting Coordinator of the Master Program in Medical Physics, Center of Physics, Venezuelan Institute for Scientific Research, Caracas, Venezuela, December 1997.

Invited Professor, Astronomy and Astrophysics Graduate School, Los Andes University, Mérida, Venezuela, 1995.

Professional Services:

Member of the Academic Credential Evaluation Committee, Earth Science Department, Simón Bolívar University, Caracas, Venezuela, since 2017.

Member of the Academic Credential Evaluation Committee, Physics Department, Simón Bolívar University, Caracas, Venezuela, since May 21, 2010 until 2015.

Member of the Basic Science Committee for Research and Development, Decanato de Investigación y Desarrollo, Simón Bolívar University, Caracas, Venezuela, since March 2006 until 2015.

Member of the Committee (appointed on May 8, 2009) to propose an Undergraduate Physics Education Program, Simón Bolívar University, Caracas, Venezuela.

Member of the Committee to auction a Plastograph Mixer required for Project # G-2005000449, Prof. M. C. Hernández, Condensed Matter Laboratory, Simón Bolívar University, Caracas, Venezuela, since January until April 2006.

Member of the Committee to auction a Total Reflection X-Ray Fluorescence Equipment funded by LOCTI for project 46-1980 : “Analysis of Pt in blood” , Simón Bolívar University, Caracas, Venezuela, October 2007.

Member of the International Committee of the “VI Latin American Symposium on Nuclear Physics and Applications”, October 3-7, 2005, Iguazú, Argentina.

Member of the Committee to evaluate the Physics Education Master Program of the Universidad Pedagógica Experimental (Caracas).

A petition from the National University Council of Venezuela, December 10, 2004.

Member of the Venezuelan National Committee for Integrated Graduate Studies in Physics , Simón Bolívar University (USB), Venezuelan Central University (UCV), Los Andes University (ULA) and The Venezuelan Institute for Scientific Research (IVIC), since September 2001 until December 2004.

Appointed by the National University Council of Venezuela to evaluate the Physics Master Program of the Venezuelan Institute for Scientific Research, April 11, 2003.

Member of the Physical Space Committee, Physics Department, Simón Bolívar University, since 1998 until 2001.

Member of the Academic Credential Evaluation Committee, Physics Department, Simón Bolívar University, Caracas, Venezuela, since June 2000 until January 2001.

Member of the International Committee of the Third Latin American Workshop on Nuclear and Heavy Ion Physics, September 13-17, 1999, Colombia National University, Colombia.

Co-chairman of the First Latin American Symposium on Nuclear Tracks and Radiation, April 5-9, 1999, Simón Bolívar University, Venezuela.

Scientific Secretary of the Second Latin American Workshop on Nuclear and Heavy Ion Physics, September 1-5, 1997, Simón Bolívar University, Venezuela.

Scientific Adviser of the Congress entitled “Non-Conventional Venezuelan Workshop on Sustainable Development”, March 14-15, 1996, Simón Bolívar University, Caracas, Venezuela.

Scientific Secretary of the First Latin American Workshop on Nuclear and Heavy Ion Physics, September 4-8, 1995, Simón Bolívar University, Caracas, Venezuela.

Main Teaching:

Undergraduate and graduate Nuclear Physics

Undergraduate Modern Physics

Basic Physics including classical mechanics, electromagnetism (see video classes at www.fis.usb.ve/fisicaIII.html and click on Clases del Prof. Jacinto Liendo), optics and modern physics for physics and engineering students (Theory and Laboratory)

Physics and Mathematics for High School Students

Main Research:

Study of Scattering Processes and Transfer Reactions by Use of Polarized and Unpolarized Ion Beams.

Shell model states around doubly-magic nuclei.

Measurement of the decay characteristics of ^{90}Se relevant to the r-process nucleosynthesis.

Determination of Particle-decay Branching Fractions and Reduced Widths of Nuclei Important in Astrophysics.

Study of the Molecular Structure of ^{10}Be , ^{10}B and ^{10}C by Use of Stable and Radioactive Ion Beams.

Use of Forward Elastic Scattering for the Multi-elemental Analysis of Liquid Samples.

Tutor:

Doctoral dissertations

1) Monte Carlo simulation for the transport of light ions through liquid water, defended by graduate student Mario Bernal on February 2007, Physics Department, Simón Bolívar University, Venezuela.

2) Determination of spin-parity values of excited states of ^{15}N , defended by graduate student Félix Rodríguez on September 2008, Physics Department, Simón Bolívar University, Venezuela.

Master Thesis

3) Monte Carlo Method to simulate the dynamics of neurosecretion, defended by graduate student Alfredo Macías on July 2007, Physics Department, Simón Bolívar University, Caracas, Venezuela.

4) Analysis of polarized and unpolarized reactions induced by 34 MeV $7\text{Li} + 12\text{C}$, defended by graduate student Gustavo Alcalá on November 2017, Physics Department, Simón Bolívar University, Caracas, Venezuela.

Undergraduate Thesis

5) Evaluation of the distortion due to the presence of nuclear magnetic resonance images in intracranial stereotactic radiosurgery, defended by

undergraduate student José Mielgo on February 2014, Physics Department, Simón Bolívar University, Venezuela.

6) An Study of the reactions $^{12}\text{C}(^7\text{Li},^7\text{Li})^{12}\text{C}$ and $^{12}\text{C}(^7\text{Li},^6\text{Li})^{13}\text{C}$ at $E_{\text{lab}}(^7\text{Li}) = 34 \text{ MeV}$, defended by undergraduate student Gustavo Alcalá on October 2013, Physics Department, Simón Bolívar University, Venezuela.

7) Determination of elastic scattering cross sections for the reactions $^6\text{Li}+^7\text{Li}$, $^6\text{Li}+^{19}\text{F}$, $^6\text{Li}+^{12}\text{C}$, $^6\text{Li}+^{16}\text{O}$, $^6\text{Li}+^{28}\text{Si}$ y $^6\text{Li}+^1\text{H}$ at forward angles and a ^6Li incident energy of 13 MeV, defended by undergraduate student Federico Portillo on November 2010, Physics Department, Simón Bolívar University, Venezuela.

8) Calibration of a Micro-dosimeter for Boron Neutron Capture Therapy (BNCT), defended by undergraduate student Alecia Cosson on July 2007, Physics Department, Simón Bolívar University, Caracas, Venezuela.

9) A Study of the Relationship between Dose and Effect in Escherichia Coli ATCC35218 exposed to Thermal Neutrons, defended by undergraduate student Valentina Urrutia on July 2007, Biology Department, Simón Bolívar University, Caracas, Venezuela.

10) Carbon and Oxygen Determination in Amniotic Fluid by use of Elastic Scattering, defended by undergraduate student Alexander Rojas on July 2004, Physics Department, Simón Bolívar University, Caracas, Venezuela.

11) Dosimetry and Radiological Protection: An Experience in the first 9.6 MeV Venezuelan Cyclotron, defended by undergraduate student Natacha Ruiz on July 2004, Physics Department, Simón Bolívar University, Caracas, Venezuela.

12) Spin Determination of ^{15}N states excited by the $^{12}\text{C}(^7\text{Li},\alpha)^{15}\text{N}$ Reaction, defended by undergraduate student Félix Rodríguez on August 2002, Physics Department, Simón Bolívar University, Caracas, Venezuela.

13) A Study of Resonance States by use of elastically scattered alpha particles from ^{28}Si , defended by undergraduate student Teresa Kurtukian on March 2001, Physics Department, Carabobo University, Valencia, Venezuela.

Science Citation Index (SCI) Publications

Peer-Reviewed:

- 1) Mario Bernal, Jacinto Liendo, Sebastien Incerti, Ziad Francis, Hoang Tran.
“Experimental cross sections for water ionization due to impact of light ions- A review”. Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Elsevier, 2022, 517, pp.6-15.
<10.1016/j.nimb.2022.01.015>. <hal-03592082>
- 2) G. A. Alcalá and J. A. Liendo
“Using a quadrupole deformed generalized Woods–Saxon plus spin-orbit potential to describe the polarized interaction $7\text{Li} + 12\text{C}$ at 34MeV” International Journal of Modern Physics E, Vol. 27, No. 10 (2018) 1850081 (23 pages) DOI: 10.1142/S0218301318500817
- 3) A. E. Macías-Medri, Jacinto A. Liendo, and Ricardo J. Silva.
“An electrostatic and probabilistic simulation model to describe neurosecretion at the synaptic level”
Network: Computation in neural systems
2017, Vol. 28, Nos. 2-4, 53-73
<http://doi.org/10.1080/09544898X.2017.1386806>
- 4) J. A. Liendo, E. Castro, R. Gómez and D. D. Caussyn
“A study of shell model neutron states in $^{207,209}\text{Pb}$ using the generalized Woods–Saxon plus spin-orbit potential” International Journal of Modern Physics E, Vol. 25, No. 8 (2016) 1650055 (15 pages)
- 5) F. J. Rodríguez, J. A. Liendo, N. Keeley, K. W. Kemper, J. A. Mielgo, B. T. Roeder, W. D. Weintraub
“ T_{20} analyzing powers from $12\text{C}(7\text{Li},\alpha)15\text{N}$ ”
Phys. Rev. C 90, 047601 (2014).
- 6) F. E. Portillo, J. A. Liendo, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A. Momotyuk, B. T. Roeder, I. Wiedenhoever, K. W. Kemper, P. Barber, L. Sajo-Bohus.
“Light element quantification by lithium elastic scattering”
Nucl. Inst. and Meth. in Phys. Res. B 305 (2013) 16-21.
- 7) M. A. Bernal, J. A. Liendo.
“Single ionization of liquid water by protons, alpha particles and carbon nuclei: comparative analysis of continuum distorted wave methodologies and empirical models”
Theory of Heavy Ion Collision Physics in Hadron Therapy, Vol. 65, 2013, pages 203-229. DOI : 10.1016/B978-012-396455-7.00008-X.
- 8) L. Sajo-Bohus, D. Rosso, A. M. Sajo Castelli, D. R. Napoli, E. Fioretto, R. Menegazzo, H. Barros, C. A. Ur, D. Palacios and J. Liendo.

“HPGe detectors long time behaviour in high resolution gamma spectrometry,
Nucl. Inst. and Meth. in Phys. Res. A 648 (2011) 132-138.

9) M. A. Bernal, J. A. Liendo

Erratum: “An investigation on the capabilities of the PENELOPE MC code in
nanodosimetry (Med. Phys. 36, 620-625, 2009)”

Medical Physics, Volume: 37, Issue: 8 (2010) DOI: 10.1118/1.3460317

10) J. A. Liendo, M. A. Bernal, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A.
Momotyuk, R. M. Muruganathan, B. T. Roeder, I. Wiedenhoefer, T. Fischer, K. W.
Kemper, P. Barber, L. Sajo-Bohus.

“Multi-elemental characterization of organic liquid samples by use of a 13 MeV ${}^6\text{Li}^{3+}$
beam”

Nucl. Instr. and Meth. in Phys. Res. B, 267 (2009) 3424-3430.

11) M. A. Bernal and J. A. Liendo,

“An investigation on the capabilities of the PENELOPE MC code in nanodosimetry”.

Med. Phys. 36 (2), February 2009.

12) L. Sajo-Bohus, D. Palacios, H. Barros, E. D. Greaves, P. Nemeth, J. Liendo, J.
Bermúdez,

“(n, α) Reaction study with LR-115 for binary glass metal boron distribution”.

Radiation Measurements 43 (2008) S656-S658.

13) J. A. Liendo, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A. Momotyuk, R.
M. Muruganathan, B. T. Roeder, I. Wiedenhöfer, T. Fischer, K. W. Kemper, P. Barber,
L. Sajo-Bohus.

“Formvar characterization by use of forward elastic scattering”

Nucl. Instr. and Meth. B, 266 (2008) 323-326.

14) M. A. Bernal and J. A. Liendo

“Inelastic-collision Cross Sections for the Interactions of Totally Stripped H, He and C
Ions with Liquid Water”

Nucl. Instr. And Meth. In Phys. Res. B (2007), doi:10.1016/j.nimb.2007.05.001

15) M. A. Bernal and J. A. Liendo

“The HKS Model For the Electron Production in Liquid Water by Light Ions”

Nucl. Instr. and Meth. in Phys. Res. B 251 (2006) 171- 176.

16) O. A. Momotyuk, N. Keeley, K. W. Kemper, B. T. Roeder, A. M. Crisp, W. Cluff,
B. G. Schmidt, M. Wiedeking, F. Marechal, K. Rusek, S. Yu. Mezhevych, J. Liendo.

“Target Structure Independent ${}^7\text{Li}$ Elastic Scattering at Low Momentum Transfers”

Physics Letters B 640 (2006)13-17.

17) J. A. Liendo, A. C. González, A. Rojas, N. R. Fletcher, D. D. Caussyn and P. Barber
“Investigation of Lithium Forward Scattering for the Análisis of Carbon and Oxygen in
Human Amniotic Fluid”

Acta Phys. Hung. A 25/1 (2006) 149-160.

- 18) J. A. Liendo and G. H. Chacín.
“A Study of a Solar Eclipse Using a Photocell”
Revista Brasileira de Ensino de Física. V. 26, N. 4, p. 395-399 (2004).
- 19) N. R. Fletcher, D. D. Caussyn, F. Marechal, N. Curtis and J. A. Liendo.
“New Highly Excited States of ^{10}Be observed in Charged Particle Decay”
Phys. Rev. C 68, 024316 28 (2003).
- 20) J. A. Liendo, A. C. González, N. R. Fletcher and D.D. Caussyn.
“Cross Section Measurements for the Forward Elastic Scattering of 13 MeV $^{6,7}\text{Li}$ and 24 MeV ^{16}O by ^9Be , ^{12}C , ^{16}O and ^{28}Si ”
APH N.S., Heavy Ion Physics, 16 (2002) 407-417.
- 21) J. A. Liendo, N. Curtis, D.D Caussyn, N.R. Fletcher and T. Kurtukian.
“Near Threshold Three-Body Final States in $^7\text{Li} + ^7\text{Li}$ Reaction at $E(\text{lab})= 34 \text{ MeV}$ ”
Phys. Rev. C65, 034317 (2002).
- 22) N. Curtis, D.D. Caussyn, N.R. Fletcher, N. Fay, J.A. Liendo, F. Marechal, D. Robson and D. Shorb.
“Investigation of Triaxiality in ^{10}Be using the $^7\text{Li} (^7\text{Li}, ^4\text{He}^6\text{He})^4\text{He}$ Reaction”
Nuclear Physics A682 (2001) 339c-344c.
- 23) V.S. Kondrashov, S.J. Rothenberg. L.Sajo-Bohus, E.D. Graves and J.A. Liendo.
“Increasing Reliability in Gamma and X-Ray Spectral Data Analysis: Least Moduli Approach”
Nucl. Instr. And Meth. In Phys. Res. A 446 (2000) 560-568.
- 24) M. Brenner, N.R. Fletcher, J.A. Liendo, S.E. Belov, D.D. Caussyn, T. Kurtukian Nieto and S. H. Myers.
“Resonances above 14 MeV in Alpha-Particle Scattering from Silicon”
APH. N.S., Heavy Ion Physics 11(2000) 221-228.
- 25) C. Lee, J.A. Liendo, P.D. Gathers, N.R. Fletcher, K.W. Kemper and P.L. Kerr.
“The-Particle Cluster Structure Above $E_x = 11 \text{ MeV}$ in ^{15}N ”
Phys. Rev. C60, 024317-1/13. (1999).
- 26) J. A. Liendo, A.C. González, N. R Fletcher, J. Gómez, D. D. Caussyn, S. H. Myers, C. Castelli and L. Sajo-Bohus.
“Target Preparation and Characterization for Multielemental Analysis of Liquid Samples by Use of Accelerators”
Nucl. Instr. And Meth. in Phys. Res. A 438 (1999) 65-69.
- 27) L. Sajo-Bohus, J. Pálfavi, F. Urbani, D. Castro, E. D. Graves and J.A. Liendo
“Environmental Gamma and Radon Dosimetry in Venezuela”
Radiation Measurements 31 (1999) 283-286.
- 28) J. A. Liendo, A.C. González, C. Castelli, J. Gómez, J. Jiménez, L. Marcó, L. Sajo-Bohus, E. D. Graves, N. R. Fletcher and S. Bauman.
“A Comparison between Proton Induced X-Ray Emission (PIXE) and Total Reflection X-Ray Fluorescence (TXRF) for the Elemental Analysis of Human Amniotic Fluid”.

X-Ray Spectrum. 28, 3-8 (1999).

29) C. Lee, D. D. Caussyn, N. R. Fletcher, D. L. Gay, M. B. Hopson, J. A. Liendo, S. H. Myers, M. A. Tiede and J. W. Baker.

“Alpha- particle Decay of States in ^{11}C , ^{13}C and ^{15}N near Decay Threshold”
Phys. Rev. C 58 (1998) 1005-1012.

30) J. A. Liendo, A.C. González, N.R. Fletcher, J. Gómez, C. Lee, D.D. Caussyn, S. H. Myers, C. Castelli, L. Marcó, L. Sajo-Bohus, E. D. Graves and P. Barber.

“Heavy Ion Rutherford Forward Scattering for the Elemental Analysis of Liquid Samples”

APH N.S., Heavy Ion Physics 7 (1998) 335-341.

31) J. A. Liendo, A. C. González, C. Castelli, J. Gómez, J. Jiménez, L. Marcó, L. Sajo-Bohus, E. D. Graves, N. R. Fletcher, C. Lee, D.D. Caussyn, S. H. Myers and P. Barber.

“Preliminary Results on the Use of Rutherford Forward Scattering for the Elemental Analysis of Liquid Organic Samples”

Nucl. Instr. and Meth. in Phys. Res. B 140 (1998) 409-414.

32) J. Liendo, L. Sajo-Bohus, J. Pálfavi, E. D. Greaves and N. Gómez

“Radon Monitoring for Health Studies in the Caracas Subway using SSNT Detectors”
Radiation Measurements, 28 (1997) 729-732.

33) S. Kondrashov, L. Sajo-Bohus, E. D. Graves and J. A. Liendo.

“Approximation of Spectrum Alpha Peaks by Robust Estimation”
Nucl. Instr. and Meth. in Phys. Res. A 399 (1997) 140-186.

34) G. M. Buendía and J. A. Liendo.

“Monte Carlo Simulation of a Mixed Spin- $\frac{1}{2}$ Ising Ferrimagnetic System”
J. Phys.: Condens. Matter 9 (1997) 5439-5448.

35) N.R Fletcher, M. B. Hopson, C. Lee, M.A. Tiede, Z. Yang and J.A. Liendo

“High Resolution Particle Decay Spectroscopy of Nuclear States Produced in Heavy - Ion Reaction”.

Nucl. Instr. and Meth. in Phys. Res. A 372 (1996) 439-445.

36) J.A Liendo, N.R Fletcher, E.E Tower and D.D Caussyn.

“Angular Correlation Determination and Width for Alpha Decay

^7Li (^{12}C , $^{15}\text{N} \rightarrow \alpha + ^{11}\text{B}$) α .”
Phys. Rev. C 51, 701 (1995).

37) J.A. Liendo, N.R. Fletcher, D.D. Caussyn, K.W. Kemper and E.E. Towers.

“ ^{15}N Cluster States in Triton Transfer and their Alpha Decay”

Phys. Rev. C 50, 3155 (1994).

38) P.T. Jensen, H.A. Elliot, N.R. Fletcher and J.A Liendo.

“New T= 0 Strength in ^{16}O at $E_x = 24$ to 27 MeV

Phys. Rev. C 49, 2781 (1994).

39) J.A. Liendo, N.R. Fletcher and D. Robson.
“Correlation Symmetries in Sequential Three-Body Final State Reactions.”
Phys. Rev. C47, 682 (1993).

40) D.D. Caussyn, G.L. Gentry, J.A. Liendo, and N.R. Fletcher.
“Search for high spin collective states in $^{12}\text{C}^* \rightarrow 3 \alpha$.”
Phys. Rev. C 43, 205 (1991).

41) J.A. Liendo, D.L. Gay, and N.R. Fletcher.
“New $J^\pi=10^+$ resonance in $^{16}\text{O} + ^{16}\text{O}$.”
Phys. Rev. C31, 473 (1985).

SCI Peer-Reviewed (Conference Proceedings) Publications

42) Alfredo Macías, Jacinto Liendo, Ricardo Silva
“Un método híbrido (dinámica molecular/Monte Carlo) para modelar plasticidades sinápticas en células excitables”
IFNMBE Proceedings, Volume 18, 2008, pp. 634-637.

43) F. J. Rodríguez, J. A. Liendo, B. T. Roeder, W. Weintraub, K. W. Kemper, N. Keeley, F. Marechal
“Spin and Parity Determinations of Excited ^{15}N Based on Polarized and Unpolarized $^{12}\text{C}(^7\text{Li},\alpha)^{15}\text{N}$ Reaction Data at $E_{\text{lab}} = 34 \text{ MeV}$ ”
Nucl. Instr. and Meth. in Phys. Res. B (2007) doi:10.1016/j.nimb.2007.03.039.

44) L. Colmener, L. Sajo-Bohus, J.A. Liendo, E. D. Greaves, D. Coelho, H. Barros, J. Castillo, L. M. Esteves, N. Ruiz, L. Morales, I. Lugo
“Five years of Cyclotron Radioisotope Production Experiences at the First PET-CT in Venezuela”
AIP CP, Volume 947, Issue 1, 2007, pp.67-70.

45) J.A. Liendo, A.C. González, N. R. Fletcher and D. D. Caussyn
“Status and Perspectives of a Forward Scattering Project for the Multielemental Analysis of Liquids”
AIP CP 680 (2003) 377-380.

46) J. A. Liendo, A.C. González, N. R. Fletcher, J. Gómez, D. D. Caussyn, S. H. Myers, C. Castelli and L. Sajo- Bohus.
“Use of Rutherford Forward Scattering for the Analysis of Evaporated Liquid Samples”
AIP CP475 (1999) 525-528.

47) J. A Liendo, N. R Fletcher, D. D. Caussyn and E. E. Towers.
“Alpha Particle Decay Widths and Narrow Cluster States in ^{15}N .”
APH N.S., Heavy Ion Physics 2 (1995) 213-224.

48) N.R. Fletcher, J. A. Liendo, M. B. Hopson, C. Lee, M. A. Tiede, and Z. Yang.
“High Resolution Particle Decay Spectroscopy.”
APH N.S., Heavy Ion Physics 2 (1995) 323-332.

49) E.D Greaves, J. Meitin, L. Sajo-Bohus, C. Castelli, J. Liendo and C. Borberg.
“Trace Element Determination in Amniotic Fluid by Total Reflexion
X- Ray Fluorescence”
Advances in X-Ray Chemical Analysis, JAPAN, Vol. 26s (1995) 47-52.

Other Publications (not peer-reviewed)

- 50) Selective Spectroscopy of Cluster States by Resonant Particle Decay
Spectroscopy
N. R. Fletcher, D. D. Caussyn, G.L. Genry and J.A. Liendo.
Progress Report “Studies of Nuclear Reactions and Structure at Florida State
University”, submitted to NATIONAL SCIENCE FOUNDATION, Washington,
D.C., Period: January 1, 1986 to December 31, 1988. (Pag. 70-85)
Grants No. PHY-8603874, PHY-8303455.
- 51) Alpha-particle Decay Widths and Narrow Cluster States in ^{15}N .
N. R. Fletcher, D.D. Caussyn, E.E. Towers and J.A. Liendo.
Progress Report of the Experimental Nuclear Physics Program at Florida State
University 1992-1994 “Studies of Nuclear Reactions and Structure PHY-9210082”
Submitted to THE NATIONAL SCIENCE FOUNDATION May 25, 1995
(pag. 14-19).
- 52) High Resolution Resonant Particle Decay Spectroscopy.
N.R. Fletcher, C. Lee, M. B. Hopson, M. A. Tiede, Z. Yang and J.A. Liendo
Progress Report of the Experimental Nuclear Physics Program et Florida State
University 1992-1994 “Studies of Nuclear Reactions and Structure PHY-
9210082”
Submitted to THE NATIONAL SCIENCE FOUNDATION May 25, 1995
(Pag. 19-26).
- 53) Alpha-Particle Decay in ^{11}C , ^{13}C and ^{15}N . near the Particle Decay Threshold
C. Lee, D.D. Caussyn, N.R Fletcher, M.B. Hopson, S.H. Myers, M.A. Tiede, J.W.
Baker, D.L. Gay and J. A. Liendo.
Progress Report of the Experimental Nuclear Physics Program at Florida States
University 1994-1997 “Studies of Nuclear Reaction and Structure PHY-9523974”
Submitted to THE NATIONAL SCIENCE FOUNDATION July 31, 1997
(Pag. 63-70)
- 54) Detector Parameters for RPDS Simulations
N.R. Fletcher, C. Lee, D.D. Caussyn, Scott Myers and J. A. Liendo.
Progress Report of the Experimental Nuclear Physics Program at Florida State
University 1994-1997 “Studies of Nuclear Reactions and Structure PHY-952374”
Submitted to THE NATIONAL SCIENCE FOUNDATION July 31, 1997
(Pag. 70-74).

55) Resonant Particle Decay Spectroscopy.

J. A. Liendo and N.R. Fletcher

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Venezuela, Center of Physics, 1993 (Pag. 107), Caracas, Venezuela.

56) Observation of High Resolution Non-estable particle States of P-Shell Nuclei,

J. A. Liendo

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1994 (Pag. 115), Caracas, Venezuela.

57) Trace Elemental Determination in Amniotic Fluid by use of Total Relection X Ray Fluorescence, TXRF.

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1994 (Pag. 116), Caracas, Venezuela.

58) ^{15}N Analysis by using the ^{12}C (^7Li , α) ^{15}N Reaction.

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1995 (Pag. 109), Caracas, Venezuela.

59) Trace Element Analysis in Amniotic Liquid by using Total Reflection X Ray Fluorescence.

J. A. Liendo

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1995 (Pag. 109), Caracas, Venezuela.

60) A Study of Ferrimagnetism using Mixed Ising Systems

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1995 (Pag. 110), Caracas, Venezuela.

61) High Resolution Resonant Particle Decay Spectroscopy

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1996 (Pag. 105), Caracas, Venezuela.

62) Use of Rutherford Scattering for the Elemental Analysis of Amniotic Fluid

J. A. Liendo and A. González.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1996 (Pag. 105), Caracas, Venezuela.

63) Comparison between PIXE and TXRF Elemental Concentration Results on Amniotic Fluid.

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1996 (Pag. 105), Caracas, Venezuela.

64) Angular Distributions of Triton Cluster Excited States of ^{15}N .

J. A. Liendo.

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1996 (Pag. 105-106), Caracas, Venezuela.

65) A Study of Nuclear Traces in Pasive CR-39 Detectors.

J. A. Liendo

Annual Progress Report presented at The Venezuelan Institute for Scientific Research, Center of Physics, 1996 (Pag. 106), Caracas, Venezuela.

66) J. A. Liendo, D. Moreno, and H. Groening.

“Workshops as a Resource for the Learning of Physics”

Article published by Editorial Equinoccio in Commemoration of the 10th Anniversary of the Simón Bolívar University, Caracas, 1980.

Editorial Works

Nuclear Physics Applied to the Environment and Health

Proceedings of the Applied Physics Section of the First Latin American Workshop on Nuclear and Heavy Ion Physics (September 4-8, 1995, Simón Bolívar University, Venezuela) Annals of the Simón Bolívar University, Journal: Atlántida,

USB. #36, January 1997.

Assistances to Conferences

1) G. Alcalá, J. A. Liendo, K. W. Kemper, N. Keely, B. T. Roeder.

“Determinación de factores espectroscópicos del núcleo de ^{13}C ”

VIII Congreso Nacional de Física, 1-5 Diciembre, 2014, Venezuela.

2) Federico E. Portillo, Jacinto A. Liendo, Aleida C. González, Dave D. Caussyn, Neil R. Fletcher, O. A. Momotyuk, Brian T. Roeder, Ingo Wiedenhover, Kirby W. Kemper, Powell Barber, Laszlo Sajo-Bohus.

“Forward elastic scattering of 13 MeV $^6\text{Li}^{3+}$ by ^1H , ^7Li , ^{12}C , ^{16}O , ^{19}F , ^{28}Si and ^{197}Au ”

22nd International Conference on the Application of Accelerators in Research & Industry, August 5-10, 2012, Fort Worth, Texas, USA.

3) J. A. Liendo, M. A. Bernal, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A. Momotyuk, R. M. Muruganathan, B. T. Roeder, I. Wiedenhover, T. Fischer, K. W. Kemper, L. Sajo-Bohus.

“Using a lithium beam to analyze organic samples”

21st International Conference on the Application of Accelerators in Research & Industry, Agosto 2010, Fort Worth, Texas, USA.

- 4) Enrique Castro, Jacinto Liendo, Pablo Martín and Félix Rodríguez.
“Analytic approximations to the energy eigenvalues for the generalized Woods-Saxon potential”
VII Congress of the Venezuelan Society of Physics.
07-11 December, 2009, School of Sciences, Venezuelan Central University,
Caracas, Venezuela
- 5) Felix Rodríguez, Jacinto Liendo, B. Roeder, W. Weintraub, K. Keeley, F. Marichal.
“ ^{15}N Spin and Parity determination coming from $^{12}\text{C}(^7\text{Li},\alpha)^{15}\text{N}$ Reaction”
International Scientific Meeting on Nuclear Physics, Huelva, España, July 2009.
- 6) J. A. Liendo, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A. Momotyuk, RM. Muruganathan, B. T. Roeder, I. Wiedenhoever, T. Fisher, K. W. Kemper, P. Barber, L. Sajo-Bohus
“New Measurements of Carbon and Oxygen Concentrations in Formvar and Amniotic Fluid by Use of Forward Elastic Scattering”
20th International Conference on the Application of Accelerators in Research and Industry, August 10-15, 2008, Fort Worth, Texas, USA.
- 7) J. A. Liendo, A. C. González, D. D. Caussyn, N. R. Fletcher, O. A. Momotyuk, RM. Muruganathan, B. T. Roeder, I. Wiedenhoever, T. Fisher, K. W. Kemper, P. Barber, L. Sajo-Bohus
“Use of Forward Elastic Scattering to Characterize Formvar”
VII Latin American Symposium on Nuclear Physics and Applications, June 11-16, 2007, University of San Antonio Abad del Cusco, Perú. Invited Talk.
- 8) L. Colmener, L. Sajo-Bohus, J. A. Liendo, E. D. Greaves, D. Coelho, H. Barros, J. Castillo, L. M. Esteves, N. Ruiz, L. Morales, I. Lugo.
“Five Years of Cyclotron Radioisotope Production Experiences at the First PET-CET in Venezuela”
VII Latin American Symposium on Nuclear Physics and Applications, Cusco, Perú, June 11-16, 2007.
- 9) F. J. Rodríguez, J. A. Liendo, B. T. Roeder, W. Weintraub, K. W. Kemper, N. Keeley, F. Marechal
“Spin-Orbit Term in the Excited ^{15}N States Coming from Polarized and Unpolarized $^{12}\text{C}(^7\text{Li},\alpha)^{15}\text{N}$ Reaction at $E_{\text{lab}} = 34 \text{ MeV}$ ”
VII Latin American Symposium on Nuclear Physics and Applications, Cusco, Perú, June 11-16, 2007.
- 10) Sajo Bohus L., Greaves E. D., Alvarez H., Liendo J., Vásquez G.
“Radon Concentration in the Cataniapo and Autana River Basin, Edo. Amazonas, Venezuela”
VII Latin American Symposium on Nuclear Physics and Applications, Cusco, Perú, June 11-16, 2007.
- 11) Alfredo Macías, Jacinto Liendo, Ricardo Silva
“Un método híbrido (dinámica molecular/Monte Carlo) para modelar plasticidades sinápticas en células excitables”

IV Latin American Congress on Biomedical Engineering, Sept. 24-28, 2007,
Margarita Island, Venezuela.

12) F. J. Rodríguez, J. A. Liendo, B. T. Roeder, W. Weintraub, K. W. Kemper,
N. Keeley and F. Marechal
“Spin and Parity Determinations of Excited ^{15}N Based on Polarized and
Unpolarized $^{12}\text{C}(^7\text{Li},\alpha)^{15}\text{N}$ Reaction data at $E_{\text{lab}}=34\text{ MeV}$ ”
19th International Conference on the Application of Accelerators in Research and
Industry (CAARI 2006), August 20-25, 2006, Fort Worth, Texas, USA.

13) J. A. Liendo, A. C. González, A. Rojas, N. R. Flecher, D. D. Caussyn, I.
Widenhoever, P. Barber, L. Sajo-Bohus and V. Simosa.
“Multielemental Composition Determination of Human Amniotic Fluid”
VI Latin American Symposium on Nuclear Physics and Applications, Octubre 3-7,
2005, Iguazú, Argentina.
Invited Talk.

14) A. M. Crisp, N. Keeley, K. W. Kemper, O. Momotyuk, B. T. Roeder, M.
Wiedeking, J. Liendo, F. Marechal and K. Rusek.
“Selective Population Shown by Five-Particle Transfer Reactions”
2005 2nd Joint Meeting of the Nuclear Physics Divisions of the APS and the Physical
Society of Japan, Sept. 18-22, 2005, Maui, Hawaii, USA.

15) O. A. Momotyuk, K. W. Kemper, B. T. Roeder, W. Cluff, N. Keeley, B. G.
Schmidt, M. Wiedeking, F. Maréchal, S. Mezhevych and J. Liendo
“Coupled Reaction Channels Analysis of $^7\text{Li}+^6\text{Li}$ Interactions”
2005 APS April Meeting, April 16-19, 2005, Tampa, Florida, USA.

16) J. A. Liendo, A. C. González, A. Rojas, N. R. Flecher, D. D. Caussyn and P.
Barber.
“Forward Elastic Scattering Analysis of Biological Liquid Simples”
2005 Annual Joint Symposium Florida Society for Microscopy, Florida Chapter
of the AVS, and Applied Surface Analysis 2005, March 13-17, 2005, University
of Central Florida, Orlando, Florida, USA. Invited Talk.

17) J. A. Liendo, A. C. González, A. Rojas, N. R. Fletcher and D. D. Caussyn.
“Determination of Carbon and Oxygen in Amniotic Fluid by Use of Forward
Elastic Scattering”
The 18th International Conference on the Application of Accelerators in
Research and Industry, 10-15 Oct. 2004, Fort Worth, Texas, USA
Invited Talk.

18) O. A. Momotyuk, K. W. Kemper, B. T. Roeder, I. Calderin, W. Cluff, N.
Keeley, E. G. Myers, B. G. Schmidt, M. Wiedeking, F. Maréchal, S.
Mezhevych, J. Liendo
“Polarized $^7\text{Li}+^6\text{Li}$ elastic and inelastic scattering”
2004 APS Division of Nuclear Physics Meeting, October 27-30, Chicago,
USA.

19) J. Liendo, K. Kemper y N. Keeley
“Determinación del Espín de Estados Excitados de Nitrógeno 15 proveniente de la Reacción $^{12}\text{C} (^7\text{Li}, \alpha)^{15}\text{N}$ ”.
IV Congreso de la Sociedad Venezolana de Física, 24-28 Noviembre, 2003, Universidad de Oriente, Isla de Margarita, Venezuela (Resumen y Charla)

20) J. A. Liendo, A. C. González, N.R. Fletcher and D.D. Caussyn.
“Status and Perspectives of a Forward Scattering Project for the Multielemental Analysis of Liquids”
The 17th International Conference on the Application of Accelerators in Research and Industry, 12-16 Nov. 2002, Denton, Texas, USA.
Invited Talk.

21) N.R. Fletcher, D.D. Caussyn, N. Curtis and J.A. Liendo.
“Structure of ^{10}Be and New Excitation observed in Z=1 Charged Particle Decays”
2002 Fall Meeting of the Division of Nuclear Physics of the American Physical Society October 9-12, 2002, East Lansing, Michigan, USA (Resumen) Vol. 47, No. 6, Pag. 92.

22) L. Sajo Bohus, M.C. Scott, E.D. Greaves, J. Liendo, D. Castro and D. Palacios
“Alpha Radiation Energy Loss Experiments with Active and Passive Detectors”
International Radiation Education Symposium, 20-25 August 2002, Debrecen, Hungary .

23) J.A. Liendo, A.C. González, N.R. Fletcher and D.D. Caussyn
“A Nuclear Project for Liquids”
III Congress of the Venezuelan Society of Physics , 10-14 Dic. 2001, Caracas, Venezuela.
Invited Talk. .

24) J. A. Liendo, A.C. González, N.R. Fletcher and D.D. Caussyn
“Cross Section Measurements for the Forward Elastic Scattering of 13 MaV $^{6,7}\text{Li}$ and 24 MeV ^{16}O by ^9Be , ^{12}C , ^{16}O and ^{28}Si ”
IV Latin American Symposium on Nuclear Physics, 24-28 Sept. 2001, México City, México.

25) J.A Liendo, A.C. González, N.R. Fletcher and T. Kurtukian
“Using the $^7\text{Li}+^7\text{Li}$ Reaction at $E(\text{Lab}) = 34\text{ MeV}$ to study the Alpha-particle and Triton Decays of ^{10}Be ”
IV Latin American Symposium on Nuclear Physics, 24-28 Sept. 2001, Mexico City, Mexico.

26) N. Curtis, D.D. Caussyn, N.R. Fletcher, F. Marechal, N. Fay, D. Shorb and J.A. Liendo.
“Investigation of Triaxiality in ^{10}Be by Use of the Reaction $^7\text{Li}(^7\text{Li}, ^{10}\text{Be}+^4\text{He}+^6\text{He})^4\text{He}$ ”.

Conference entitled “Nuclear Structure 2000”, 15-19 August 2000,
Michigan State University, USA.

27) V.V. Lazarev, S.E. Belov, M. Brenner, K.A. Gridney, T. Kurtukian Nieto,
D.D. Caussyn, N.R. Fletcher, J.A. Liendo and S.H. Myers.

“The Fitting of Angular Distributions of Elastically and Inelastically Scattered
Alpha-Particle from ^{28}Si ”

International Conference on Nuclear Physics: Clustering Phenomena in Nuclear
Physics, L Meeting on Nuclear Spectroscopy and Nuclear Structure”, June 14-
17, 2000, St. Petersburg, Rusia.

28) J.A. Liendo, J.Gómez, C. Castelli, J. Jiménez, L. Sajo-Bohus, E.D. Greaves,
L.M. Marcó, A.C. González, N.R. Flecher, C. Lee, D.D. Caussyn, S.H.
Myers, P. Barber and S. Bauman.

“Multielemental Analysis of Human Amniotic Fluid by Use of Total Reflection
X-Ray Fluorescence and Rutherford Forward Scattering”

I Latin American Workshop on Total Reflection X Ray Fluorescence and its
Applications, 22-26 November 1999, Universidad Centro Occidental Lisandro
Alvarado, Venezuela.

29) D. Palacios, L. Sajo-Bohus, H. Barros, G. Barnafoldi, Sz. Hernath, J. Liendo
and E.D. Greaves.

“ ^{40}K , ^{232}Th ^{238}U and ^{222}Rn Concentration in the Orinoco River Basin, Venezuela”

Proc. IRPA Reg. Conf. On Rad. Prot. In Central Europe, 22-27 Aug 1999,
Budapest, Hungary, ISBN 9638051884 (CD) pp. 639-645-2000.

30) L. Sajo-Bohus, J. Rodríguez, E. Coth, G. Marx and J. Liendo

“Indoor Radon Daughter Dynamical Behaviour in a low Ventilation Dwelling”

Conference entitled “Radon in the Living Environment”,
19-23 April 1999, Athens, Greece.

31) J.A. Liendo, A.C. González, J. Gómez, N.R. Fletcher, D.D. Caussyn,
S.H. Myers, C. Castelly and L. Sajo-Bohus.

“Use of Rutherford Forward Scattering for the Elemental Analysis of Liquid
Samples”

Charla invitada a “the Fifteenth International Conference of the Application of
Accelerators in Research & Industry, 4-7 November 1998, Denton, Texas, USA.
(Resumen).

32) J.A. Liendo, A.C. González, J. Gómez and N.R. Fletcher

“Target Preparation and Characterization for Multielemental Análisis of Liquid
Samples by Use of Accelerators”

The 19th World Conference of the International Nuclear Target Development
Society, 5-9 October, 1998, Oak Ridge, Tennessee, USA. Invited Talk

33) L. Sajo-Bohus, L. Palfavi, F. Urbani, D. Castro, E.D. Greaves and J.A.
Liendo.

“Environmental Gamma and Radon Dosimetry in Venezuela

The 19th International Conference on Nuclear Tracks in Solids. August 31, 1998,
Besancon, France.

- 34) L.Sajo-Bohus, E.D. Greaves, A.J. Liendo, C. Castelli, and N. Roslosnik
 “Efectos Heméticos y Oncogénicos de las Radiaciones Ionizantes”
 Reunión de Físicos de la Sociedad Eötvös Lorad, Gödöllo, Hungría, 25-28
 Agosto, 1998.
- 35) J.A. Liendo, A.C. González, C. Castelli, J. Jiménez, L. Marcó, L. Sajo-
 Bohus, E.D. Graves, N.R. Fletcher, C. Lee, D.D. Caussyn, S.H. Myers and
 P. Barber.
 “The Use of Nuclar and Atomic Physics for the Elemental Análisis of Human
 Amniotic Fluid”
 2nd Latinamerican Workshop on Nuclear Physics
 1-5 September, 1997, Universidad Simón Bolívar, Venezuela.
- 36) C. Lee, K.W. Kemper, N.R. Fletcher and J.A. Liendo.
 “Angular Distribution of Triton Cluster in ^{15}N .”
 Meeting of Nuclear Physics Division of the American Physical Society,
 2-5 October, 1996. Cambridge, Michigan, U.S.A.
- 37) V.S. Kongrashov, A.D. Sokolov, L.Sajo-Bohus, E.D. Greaves and J.A.
 Liendo.
 “Approximation of Alpha Spectrum Peaks by Robust Estimation”
 Joint Meeting of the ICRM (International Committee for Radionuclide
 Metrology) Working Groups on Spectrometry, St. Petersburg, Russia, 18-20
 September, 1996.
- 38) J.A. Liendo, L. Sajo-Bohus, J. Pálfavi, E.D. Greaves and N. Gómez.
 “Randon Monitoring for Health Studies in the Caracas Subway using SSNTDs.”
 18th International Conference on Nuclear Tracks in Solids,
 1-5 September 1996. Cairo, Egipt.
- 39) L.Sajo – Bohus, E.D. Greaves, J. Palfalvi, A. Benítez, J. Liendo and C.
 Faisca.
 “Enviromental Gamma Dosimetry and Radon Concentration Measurements in
 Venezuela”
 “II International Meeting of the Inka Region Physicists”,
 10-14 June, 1996, National University of San Antonio Abad del Cusco, Perú.
- 40) L.Sajo- Bohus, E.D. Graves, J. Pálfalvi, S. Hazos, C.Faisca, A. Benítez and
 J. Liendo.
 “Dosimetría Ambiental Gamma y Medicaciones de la Concentración de Radón
 en Venezuela”
 III Regional Congress on Radiological and Nuclear Security, Cusco, Perú, 23-27
 October, 1995.
- 41) J.A. Liendo, N.R. Fletcher, D.D. Caussyn and E.E. Towers.
 “Alpha Particle Decay Widths and Narrow Cluster States in ^{15}N ”
 First Latin American Workshop on Nuclear Physics, Universidad Simón
 Bolívar,
 4-8 September, 1995, Caracas, Venezuela.

42) N.R. Fletcher, J.A. Liendo, C. Lee, M.B. Hopson, M.A. Tiede and Z. Yang.
“High Resolution Resonant Particle Decay Spectroscopy”
First Latin American Workshop on Nuclear Physics, Universidad Simón Bolívar,
4-8 September, 1995, Caracas, Venezuela.

43) E.D. Graves, J. Meitin, L. Sajo-Bohus, C. Castelli, J. Liendo and C. Borberg.
“Trace Element Determination in Amniotic Fluid by Total Reflexion X-Ray
Fluorescence”
5th Congress on Total Reflection X Ray Fluorescence Spectroscopy and Related
Spectroscopic Methods, Tskuba, Japan, 17-19 October, 1994.

44) J. A. Liendo and N.R. Fletcher.
“Alpha-Particle Decay Angular Correlations and Partial Widths for Selected
States in ¹⁵N”
Joint Meeting of the American Physical Society, the Canadian Physical Society
and the Mexican Physical Society, Cancún, México, 26-30 September, 1994.

45) N.R. Fletcher, M.B. Hopson, M.A. Tiede, Z. Yang and J.A. Liendo.
“High Resolution Resonant Particle Decay Spectroscopy.”
Joint Meeting of the American Physical Society, the Canadian Physical Society
and the Mexican Physical Society, Cancún, México, 26-30 September, 1994.

46) N.R. Fletcher and J.A. Liendo.
“Widths Estimates for Narrow High Spin Cluster States in ¹⁵N”
Conference entitled “Clusters en la Estructura y Dinámica Nuclear”.
Edited by F. Haas, Strasbourg, France, 6-9 September, 1994.

47) J. A. Liendo, E. E. Towers, D.D. Caussyn and N. R. Fletcher.
“Alpha Particle Partial Widths of Excited States of ¹⁵N*.”
Joint Meeting of the American Physical Society and the American Association
of Physics Teachers, April, 1992. (Bulletin of the American Physical Society,
Vol. 37, No.2 (1992) p. 923).

48) J. A. Liendo, D. D. Caussyn and N. R. Fletcher.
“Alpha Particle Decay of ¹⁵N* in the Three-Body Final State Reactions
⁷Li (¹²C, ¹⁵N* → α + ¹¹B) α and ⁷Li (¹¹B, ¹⁵N* → α + ¹¹B)t at 7.5 MeV/ amu
Bombarding Energy.”
Annual Meeting of the American Physical Society, November, 1990. (Bulletin
of the American Physical, Vol. 35, No. 10 (1990) p. 2361).

49) D.D. Caussyn, N. R. Fletcher, J.A. Liendo and G. L Gentry.
“A Three Alpha- particle Coincidence Search for Collective High Spin States in
¹²C.”
Meeting of the American Physical Society, October
24-27, 1990. (Bulletin of the American Physical Society, Vol.. 35, No 8 (1990)
p. 1667).

- 50) D. D. Caussyn, N. R. Fletcher, G. L. Gentry, J. A. Liendo, K. L. Lamkin, J. F. Mateja, J. D. Fox, A. D. Frawley and E. G. Myers.
 “Sequential Decay Modes for the Reaction $^{12}\text{C} + ^{12}\text{C} \rightarrow \alpha + ^8\text{Be} + ^{12}\text{C}$ at 7.5 MeV/amu Bombarding energy.”
 Meeting of Raleigh of the South East Section of the American Physical Society, November 10-12, 1988. (Bulletin of the American Physical Society, Vol. 33, No. 10 (1988) p. 2193)
- 51) D. D. Caussyn, N. R. Fletcher, G. L. Gentry, L.A. Liendo, K.L Lamkin, J. D. Fox, A. D. Frawley and E. G. Myers.
 “Resonant Particle Spectroscopy of 110 MeV ^{16}O on ^{12}C .”
 Meeting of the American Physical Society, Santa Fe, California. October 13-15, 1988. (Bulletin of the American Physical Society, Vol. 33, No 8 (1988) p. 1562).
- 52) J. A. Liendo, D. L. Gay and N. R. Fletcher.
 “Intermediate Structure Resonance in the $^{16}\text{O} + ^{16}\text{O}$ System.”
 Meeting of Notre Dame of the American Physical Society, October, 1983. (Bulletin of the American Physical Society. Vol. 28, No. 7 (1983) p. 995)
- 53) J. A. Liendo, D. Moreno and H. Groening.
 Workshops as a Resource for the Learning of Physics
 (Article published by Editorial Equinoccio in Commemoration of the 10th Anniversary of Simón Bolívar University. Caracas, 1980)

Special Invitations

- 1) To participate in the experiment “Measurement of the decay characteristics of ^{90}Se relevant to the r-process nucleosynthesis” performed at the LOHENGRIN Facility, Institut Laue-Langevin" (ILL), Grenoble, France, September 5 to 25, 2016.
- 2) Visiting Professor, Université Bordeaux 1, Centre d’Etudes Nucléaires de Bordeaux Gradignan (CENBG), 16/11/12 to 20/12/12, Bordeaux, France.
- 3) To write Chapter 1 of a special edition of the series Advances in Quantum Chemistry entitled “Theories on high-energy heavy ion collisions with prospects for applications to hadron therapy”.(published in 2013)
 Editor: Prof. Dzevad Belkic.
 Authors: Mario Bernal and Jacinto Liendo
- 4) “Use of Forward Elastic Scattering to Characterize Formvar”
 Invited Talk. “VI Latin American Symposium on Nuclear Physics And Applications” , Cusco, Perú, June 11-16, 2007.
- 5) “Multielemental Composition Determination of Human Amniotic Fluid”
 Invited Talk. “VI Latin American Symposium on Nuclear Physics and Applications”, Iguazú, Argentina, October 03-07, 2005.

- 6) "Forward Elastic Scattering Analysis of Biological Liquid Samples"
Invited Talk. "2005 Annual Joint Symposium Florida Society for Microscopy", Florida Chapter of the AVS, And Applied Surface Analysis 2005, 13-17 March 2005, Orlando, Florida, USA.
- 7) Sabbatical Year Invitation (January-December 2005), Florida State University Nuclear Accelerator, Tallahassee, Florida, USA.
- 8) Permanent Invitation to participate in Nuclear Reaction Experiments (since 1994), Florida State University Nuclear Accelerator, Tallahassee, Florida, USA.
- 9) "Determination of Carbon and Oxygen in Amniotic Fluid by use of Forward Elastic Scattering"
Invited Talk. "The 18th International Conference on the Application of Accelerators in Research & Industry", 10-15 October 2004, Ft. Worth, Texas, USA.
- 10) "Multielemental Analysis of Liquid Samples by Use of Nuclear Elastic Scattering" Invited Seminar. Center of Physics. Venezuelan Institute for Scientific Research, July 10, 2003.
- 11) "Status and Perspectives of a Forward Scattering Project for the Multielemental Analysis of Liquids". Invited Talk. "The 17th International Conference on the Application of Accelerators in Research and Industry", 12-16 Nov. 2002, Denton, Texas, USA.
- 12) "Use of Rutherford Forward Scattering for the Elemental Analysis of Liquid Samples" Invited Talk. "The Fifteenth International Conference on the Application of Accelerators in Research and Industry", 4-7 November. 1998, Denton, Texas, USA.
- 13) "Target Preparation and Characterization for Multielemental Analysis of Liquid Samples by Use of Accelerators" Invited Talk. "The 19th World Conference of the International Nuclear Target Development Society", 5-9 October, 1998, Oak Ridge, Tennessee, USA.
- 14) Scientific Invitation, Max Planck Institute (Nuclear Physics), Heidelberg, Germany, to discuss the possibility of installing a Cosmic Ray Detector Array in Venezuela, April 1996.
- 15) Coordinador de la Sección de Física Nuclear Médica y Ambiental Área: Ciencias Exactas XVI Convención Anual de Asociación Venezolana para el Avance de la Ciencia (ASOVAC) 20-24 Noviembre, 1995.
- 16) "Espectroscopia Nuclear usando Experimentos de Coincidencia"
Charla invitada al VI Simposio de la Asociación Venezolana para el Avance de la Ciencia (ASOVAC), 20-24 Noviembre, 1995. Acta Científica Venezolana: 46 (Sup.1) Sección Eventos Especiales, 1995.