
CURRICULUM VITAE

Name: **Ángel Miguel Sánchez Benítez**

Date: **June, 2014**

I hereby declare that all the information provided herein is accurate and valid and that I am fully responsible should there be any discrepancies. Should the need arise, any additional information required may be added to this curriculum vitae at any time during the application process.

PERSONAL DATA

FULL NAME: Ángel Miguel Sánchez Benítez PASSPORT NUMBER: AAA868454
PLACE AND DATE OF BIRTH: Seville, Spain, 07-11-1974 GENDER: M

CURRENT WORK SITUATION

INSTITUTION: University of Lisbon
DEPT./SEC.: Nuclear Physics Centre (CFNUL)
POSTAL ADDRESS: Avda. Prof. Gama Pinto 2, 1649-003, Lisbon, Portugal

LANDLINE: +35 1 217 904 812

FAX:

EMAIL ADDRESS: angelmsb@yahoo.es ; ambenitez@fc.ul.pt

SPECIALIZATION (UNESCO CODE): 2207

PROFESSIONAL CATEGORY: Research Assistant STARTING DATE: 01-12-2013

TYPE OF CONTRACT: FULL TIME ☒
PART TIME ☐

MAIN TOPICS/ACTIVITIES

Study of the dynamics and structure of halo nuclei, isospin symmetry, experimental study of reactions of astrophysical interest, nuclear instrumentation, highly segmented silicon detectors, data acquisition systems, Monte Carlo simulations.

FORMER PROFESSIONAL SCIENTIFIC ACTIVITIES

POSITION	INSTITUTION	DATES
Teaching Assistant	Univ. of Huelva, Spain	11/00 - 03/01
Research Assistant	Univ. of Huelva, Spain	07/01 - 09/05
Research Assistant	Univ. of Seville, Spain	10/05 - 12/05
Research Associate	CRC/UCL, Belgium	03/06 - 08/07
Research Associate	Univ. of Granada, Spain	09/07 - 08/09
Research Associate	Univ. of Huelva, Spain	09/09 - 08/12
“Juan de la Cierva” Fellowship		
Research Associate	Univ. of Huelva, Spain	09/12 - 03/13
Research Associate	GSI, Germany	04/13 - 08/13
Research Associate	GANIL, France	09/13 - 11/13
Research Associate	Univ. of Lisbon, Portugal	12/13 - present

ACADEMIC QUALIFICATIONS

BACHELOR OF SCIENCES	UNIVERSITY	DATE
Physics	Univ. of Seville	January, 2000
DEA	UNIVERSITY	DATE
Programe Applied Physics and Mathematics	Univ. of Huelva	March, 2003
PhD	UNIVERSITY	DATE
Physics	Univ. of Huelva	December, 2005

ADVISORS: **Ismael Martel Bravo** (University of Huelva), **Joaquín Gómez Camacho** (University of Seville)

DISSERTATION TITLE: Estudio de la dispersión elástica de ${}^6\text{He}$ a energías en torno a la barrera de Coulomb.

Grade: The jury unanimously awarded cum laude (European PhD)

AWARDS

- “Extraordinary PhD Award” of the University of Huelva for academic year 2005-2006 in “Experimental and Health Sciences”.
- “Cátedra AIQB” award for Doctoral Theses in Sciences and Technology.

LANGUAGES (A= average, G= good, F= fluently)			
LANGUAGE	SPOKEN	READ	WRITTEN
ENGLISH	F	F	F
FRENCH	A	G	A
PORTUGUESE	A	G	A

GRANTS AND SCHOLARSHIPS

PURPOSE: Predoctoral FPI grant for doctoral thesis.

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia (Ministry of Education and Science).

DURATION: July 1, 2001 - September 13, 2005.

CENTRE OR INSTITUTION: Faculty of Experimental Sciences, University of Huelva. Huelva, Spain.

PURPOSE: Grant to finance short stay for work on doctoral thesis.

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia.

DURATION: September 1, 2002 - September 30, 2002.

CENTRE OR INSTITUTION: Instituto de Estructura de la Materia, Consejo Superior de Investigaciones Científicas, Madrid. Madrid, Spain.

PURPOSE: Grant to finance short stay for work on doctoral thesis.

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia.

DURATION: February 1, 2005 - March 31, 2005.

CENTRE OR INSTITUTION: Faculty of Physics, University of Seville. Seville, Spain.

PURPOSE: Grant associated to the M. C. Y. T. “Many body theories for systems of correlated fermions” (BFM2002-03315) project for working on doctoral thesis.

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia.

DURATION: October 1, 2005 - December 31, 2005.

CENTRE OR INSTITUTION: Faculty of Physics, University of Seville. Seville, Spain.

PURPOSE: Financial aid for users of “European Research Infrastructures” (Ref: HPRI-CT-1999-00110, framework programme FP5).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: Centre de Recherches du Cyclotron (CRC). Louvain-la-Neuve, Belgium.

EXPERIMENT: Study of alpha cluster states in ^{22}Mg (PH-173).

DURATION: 02/12-12/12 2001.

EXPERIMENT: Exploring the dynamics of ^6He elastic scattering on heavy targets (PH-189).

DURATION: 30/10-25/11 2002.

EXPERIMENT: Measurement of the ^6He β -delayed $\alpha + d$ emission branching ratio (PH-212).

DURATION: 06/06-13/06 2004.

EXPERIMENT: The ^7Be induced reactions on a ^3He target (PH-210).

DURATION: 10/11-20/11 2004.

EXPERIMENT: Study of the elastic scattering of ^6He at energies around the Coulomb barrier (PH-215).

DURATION: 02/12-10/12 2004.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: I3 EURONS contract number 506065, framework programme FP6).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: Centre de Recherches du Cyclotron (CRC). Louvain-la-Neuve, Belgium.

EXPERIMENT: Measurement of the ${}^6\text{He}$ β -delayed $\alpha + d$ emission branching ratio (PH-212).

DURATION: 25/05-03/06 2005.

EXPERIMENT: Study of neutron-rich beryllium and carbon isotopes using the ${}^6\text{He} + {}^{14}\text{C}$ transfer reactions (PH-217).

DURATION: 25/09-06/10 2005.

EXPERIMENT: Study of the cluster states in ${}^{10}\text{Be}$ and ${}^{11}\text{C}$ using the resonant scattering approach (PH-216).

DURATION: 29/10-10/11 2007.

EXPERIMENT: Charge symmetry breaking in elastic scattering involving ${}^{15}\text{O}$ and ${}^{15}\text{N}$ (PH-227).

DURATION: 22/11-11/12 2007; 02/03-16/03 2008.

EXPERIMENT: Measurement of reaction channels for sub-barrier ${}^6\text{He}$ energies by activation method (PH-238).

DURATION: 27/04-05/05 2008; 08/05-10/05 2008; 16/05-24/05 2008.

EXPERIMENT: Study of ${}^7\text{He}$ and other exotic neutron-rich systems via the ${}^6\text{He} + d$ interaction (PH-223).

DURATION: 01/06-10/06 2008.

EXPERIMENT: Study of the cluster and molecular states in ${}^{10,11}\text{B}$ and ${}^{10,11}\text{C}$ with the ${}^7\text{Be} + {}^{6,7}\text{Li}$ reactions (PH-231).

DURATION: 27/10-05/11 2008.

PURPOSE: Grant for scientific stay

FINANCIAL INSTITUTIONS: Fonds National de la Recherche Scientifique (Belgium).

DURATION: 01/03/2006 - 31/05/2006.

CENTRE OR INSTITUTION: Université catholique de Louvain (UCL). Louvain-la-Neuve, Belgium.

PURPOSE: Grant for scientific stay

FINANCIAL INSTITUTIONS: Fonds National de la Recherche Scientifique (Belgium).

DURATION: 01/06/2006 - 31/08/2006.

CENTRE OR INSTITUTION: Université catholique de Louvain (UCL). Louvain-la-Neuve, Belgium.

PURPOSE: Postdoctoral grant

FINANCIAL INSTITUTIONS: Fonds National de la Recherche Scientifique (Belgium).

DURATION: 01/09/2006 - 31/12/2006.

CENTRE OR INSTITUTION: Université catholique de Louvain (UCL). Louvain-la-Neuve, Belgium.

PURPOSE: Postdoctoral grant

FINANCIAL INSTITUTIONS: Fonds National de la Recherche Scientifique (Belgium).

DURATION: 01/01/2007 - 31/08/2007.

CENTRE OR INSTITUTION: Université catholique de Louvain (UCL). Louvain-la-Neuve, Belgium.

PURPOSE: Postdoctoral grant

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia.

DURATION: Resigned.

CENTRE OR INSTITUTION: Centre de Recherche du Cyclotron (CRC)/Université catholique de Louvain (UCL). Louvain-la-Neuve, Belgium.

PURPOSE: Individual grant to work on the experimental project “Probing the $^{17}\text{F}+p$ potential by (p,p) and (p,p’) reactions at near barrier energies”

FINANCIAL INSTITUTIONS: Junta de Andalucía.

DURATION: 12 - 28 November 2009.

CENTRE OR INSTITUTION: LNL, Laboratori Nazionali di Legnaro. Padua, Italy.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: Grand Accélérateur National d’Ions Lourds (GANIL). Caen, France.

EXPERIMENT: Near barrier scattering of ^8He with heavy targets (E-587S).

DURATION: 06/09-16/09 2010; 27/09-08/10 2010.

EXPERIMENT: Spectroscopy of neutron rich light nuclei decays of ^{16}C and ^5H unbound states (E-580S).

DURATION: 21/10-24/10 2010.

EXPERIMENT: Weakening of the $Z=28$ gap by the tensor force in neutron-rich copper isotopes (E-552).

DURATION: 28/02-04/03 2011.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: TANDEM-ALTO. Orsay, France.

EXPERIMENT: Study of resonant states in ^{10}C , ^9B and ^{10}B and their impact on the cosmological lithium problem (NS-I-38).

DURATION: 14/06-17/06/2011, 11/12-15/12/2011.

EXPERIMENT: Test of HYDE/GASPARD.

DURATION: 08/02-16/02/2012.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: LNL, Laboratori Nazionali di Legnaro. Padua, Italy.

EXPERIMENT: $^8\text{B}+^{28}\text{Si}$ total reaction cross sections at near barrier energies.

DURATION: 15/03-18/03/2012.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: GSI Helmholtzzentrum für Schwerionenforschung. Darmstadt, Germany.

EXPERIMENT: Search for proton-unbound ^{69}Br , ^{73}Rb and ^{30}Ar isotopes with microstrip-detector tracking technique at FRS (S388).

DURATION: 31/07-07/08/2012.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: LNL, Laboratori Nazionali di Legnaro. Padua, Italy.

EXPERIMENT: Elastic scattering and reaction dynamics of $^7\text{Be}+^{28}\text{Si}$ at near barrier energies.

DURATION: 03/12-07/12/2013.

EXPERIMENT: Elastic scattering and breakup of $^8\text{B}+^{208}\text{Pb}$ below barrier.

DURATION: 13/03-18/03/2014.

PURPOSE: Financial aid for users of “Transnational Access Facilities” (Ref: ENSAR contract number 262010, framework programme FP7).

FINANCIAL INSTITUTIONS: European Union.

CENTRE OR INSTITUTION: Grand Accelérateur National d’Ions Lourds (GANIL).
Caen, France.

EXPERIMENT: Study of n-p pairing through two-nucleon transfer reactions (E-644).

DURATION: 13/04-19/04 2014.

PUBLICATIONS

KEY: B=complete book, CB=chapter of book, A=article, R=review, E=editor.

AUTHORS (in order of authorship): O. R. Kakuee, J. Rahighi, **A. M. Sánchez-Benítez**, M. V. Andrés, S. Cherubini, T. Davinson, W. Galster, J. Gómez-Camacho, A. M. Laird, M. Laméhi-Rachti, I. Martel, A. C. Shotter, W. B. Smith, J. Vervier, P. J. Woods.

TITLE: “Elastic scattering of the halo nucleus ${}^6\text{He}$ from ${}^{208}\text{Pb}$ above the Coulomb barrier”

REF. ☒ JOURNAL: *Nuclear Physics A* ☐ BOOK
Key: **A** Volume: **728** Pages first: **339** last: **349** Date: **2003**
Cites:**53**

AUTHORS (in order of authorship): **A. M. Sánchez-Benítez**, I. Martel, J. Gómez-Camacho.
 TITLE: **“Elastic scattering of ^6He on heavy targets at Coulomb barrier energies”**

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
Key: **A** Volume: **34** Pages first: **2391** last: **2394** Date: **2003**
Cites:**0**

AUTHORS (in order of authorship): **A. M. Sánchez-Benítez**, D. Escrig, M. A. G. Álvarez, M. V. Andrés, C. Angulo, M. J. G. Borge, J. Cabrera, S. Cherubini, J. M. Espino, P. Figuera, M. Freer, J. E. García-Ramos, J. Gómez-Camacho, M. Gulino, O. R. Kakuee, I. Martel, C. Metelco, A. M. Moro, J. Rahighi, K. Rusek, D. Smirnov, O. Tengblad, P. Van Duppen, V. Ziman.

TITLE: “Scattering of ${}^6\text{He}$ at energies around the Coulomb barrier”

REF. ☒ JOURNAL: *Journal of Physics G: Nuclear and Particle Physics* ☐ BOOK
Key: **A** Volume: **31** Pages first: **1953** last: **1958** Date: **2005**
Cites: **18**

AUTHORS (in order of authorship): J. Gómez-Camacho, M. Álvarez, A. M. Moro, I. Martel, **A. M. Sánchez-Benítez**, D. Escrig, M. J. G. Borge.

TITLE: “Is the optical model valid for the scattering of exotic nuclei?”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **791** Pages first: **146** last: **153** Date: **2005**
Cites:**0**

AUTHORS (in order of authorship): **A. M. Sánchez-Benítez**, J. Rodríguez-Quintero, I. Martel, K. Rusek, J. Gómez-Camacho, M. A. G. Álvarez.

TITLE: “A Semiclassical analysis of the ${}^6\text{He} + {}^{208}\text{Pb}$ elastic scattering”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
Key: **A** Volume: **37** Pages first: **219** last: **224** Date: **2006**
Cites:1

AUTHORS (in order of authorship): O. R. Kakuee, M. A. G. Álvarez, M. V. Andrés, S. Cherubini, T. Davinson, A. Di Pietro, W. Galster, J. Gómez-Camacho, A. M. Laird, M. Laméhi-Rachti, I. Martel, A. M. Moro, J. Rahighi, **A. M. Sánchez-Benítez**, A. C. Shotter, W. B. Smith, J. Vervier, P. J. Woods.

TITLE: “**Long range absorption in the scattering of ^6He on ^{208}Pb and ^{197}Au at 27 MeV**”

REF. ☒ JOURNAL: *Nuclear Physics A* ☐ BOOK
 Key: **A** Volume: **765** Pages first: **294** last: **306** Date: **2006**
 Cites:**42**

AUTHORS (in order of authorship): D. Escrig, **A. M. Sánchez-Benítez**, A. M. Moro, M. A. G. Álvarez, M. V. Andrés, C. Angulo, M. J. G. Borge, J. Cabrera, S. Cherubini, P. Demaret, J. M. Espino, P. Figuera, M. Freer, J. E. García-Ramos, J. Gómez-Camacho, M. Gulino, O. R. Kakuee, I. Martel, C. Metelko, F. Pérez-Bernal, J. Rahighi, K. Rusek, D. Smirnov, O. Tengblad, P. Van Duppen, V. Ziman.

TITLE: “**Alpha-particle production in the scattering of ^6He by ^{208}Pb at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Nuclear Physics A* ☐ BOOK
 Key: **A** Volume: **792** Pages first: **02** last: **017** Date: **2007**
 Cites:**25**

AUTHORS (in order of authorship): M. Milin, A. Maggio, L. Acosta-Sánchez, M. A. G. Álvarez, C. Angulo, E. Casarejos, N. de Sereville, A. Di Pietro, P. Figuera, M. Fisichella, M. Freer, Th. Keutgen, M. Lattuada, M. Majer, I. Martel, ĐMiljanić, F. Pansini, D. Price, **A. M. Sánchez-Benítez**, N. Soić, M. Uroić, M. Zadro.

TITLE: “**Reactions induced by 35 MeV ^6He beam on ^{12}C and ^{14}C** ”

REF. ☒ JOURNAL: *The European Physical Journal, Special Topics* ☐ BOOK
 Key: **A** Volume: **150** Pages first: **43** last: **46** Date: **2007**
 Cites:**1**

AUTHORS (in order of authorship): **A. M. Sánchez-Benítez**, D. Escrig, M. A. G. Álvarez, M. V. Andrés, C. Angulo, M. J. G. Borge, J. Cabrera, S. Cherubini, P. Demaret, J. M. Espino, P. Figuera, M. Freer, J. E. García-Ramos, J. Gómez-Camacho, M. Gulino, O. R. Kakuee, I. Martel, C. Metelko, A. M. Moro, F. Pérez-Bernal, J. Rahighi, K. Rusek, D. Smirnov, O. Tengblad, P. Van Duppen, V. Ziman.

TITLE: “**Study of the elastic scattering of ^6He from ^{208}Pb at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Nuclear Physics A* ☐ BOOK
 Key: **A** Volume: **803** Pages first: **30** last: **45** Date: **2008**
 Cites:**66**

AUTHORS (in order of authorship): L. Acosta, D. Escrig, D. Galaviz, **A. M. Sánchez-Benítez**, C. Angulo, M. A. G. Álvarez, M. V. Andrés, M. J. G. Borge, E. Casarejos, J. M. Espino, J. E. García-Ramos, J. Gómez-Camacho, I. Martel, A. M. Moro, I. Mukha, F. Pérez-Bernal, D. Rodríguez, K. Rusek, O. Tengblad.

TITLE: “**Near-barrier scattering of ^6He and ^{11}Be** ”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1012** Pages first: **333** last: **337** Date: **2008**
Cites:0

AUTHORS (in order of authorship): J. C. Dalouzy, L. Achouri, M. Aliotta, C. Angulo, H. Benhabiles, C. Borcea, R. Borcea, P. Bourgault, A. Buta, A. Coc, A. Damman, T. Davinson, F. de Grancey, F. de Oliveira Santos, N. de Séréville, J. Kiener, M. G. Pellegriti, F. Negoita, **A. M. Sánchez-Benítez**, O. Sorlin, M. Stanoiu, I. Stefan, P. J. Woods.

TITLE: “**Discovery of a New Broad Resonance in ^{19}Ne : implications for the Destruction of the Cosmic γ -Ray Emitter ^{18}F** ”

REF. ☒ JOURNAL: *Physical Review Letters* ☐ BOOK
Key: **A** Volume: **102** Pages first: **162503-1** last: **162503-4** Date: **2009**
Cites:13

AUTHORS (in order of authorship): A. M. Moro, L. Acosta, J. M. Arias, M. J. G. Borge, D. Escrig, J. Gómez-Camacho, I. Martel, M. Rodríguez-Gallardo, **A. M. Sánchez-Benítez**, O. Tengblad

TITLE: “**Understanding ^6He induced reactions at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1139** Pages first: **003** last: **010** Date: **2009**
Cites:0

AUTHORS (in order of authorship): K. C. C. Pires, I. Mukha, A. M. Moro, J. Gómez-Camacho, M. Huyse, O. Ivanov, S. Leash, P. Pawuels, R. Raabe, D. Smirnov, I. Stefanescu, P. Van Duppen, C. Angulo, E. Casarejos, M. Loiselet, G. Ryckwaert, I. Martel, **A. M. Sánchez-Benítez**.

TITLE: “**Analysis of the elastic scattering measured with 23.7 MeV ^7Be with a ^9Be target**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1139** Pages first: **123** last: **126** Date: **2009**
Cites:0

AUTHORS (in order of authorship): L. Acosta, M. A. G. Álvarez, M. V. Andrés, M. J. G. Borge, M. Cortés, J. M. Espino, D. Galaviz, J. Gómez-Camacho, A. Maira, I. Martel, A. M. Moro, I. Mukha, F. Pérez-Bernal, E. Reillo, D. Rodríguez, K. Rusek, **A. M. Sánchez-Benítez**, O. Tengblad.

TITLE: “**Signature of a strong coupling with the continuum in $^{11}\text{Be} + ^{120}\text{Sn}$ scattering at the Coulomb barrier**”

REF. ☒ JOURNAL: *European Physical Journal A* ☐ BOOK
Key: **A** Volume: **42** Pages first: **461** last: **464** Date: **2009**
Cites:15

AUTHORS (in order of authorship): L. Acosta, M. A. G. Álvarez, M. V. Andrés, M. J. G. Borge, M. Cortés, J. M. Espino, D. Galavitz, J. Gómez-Camacho, A. Maira, I. Martel, A. M. Moro, I. Mukha, F. Pérez-Bernal, E. Reillo, K. Rusek, **A. M. Sánchez-Benítez**, O. Tengblad.
 TITLE: “Scattering of ^{11}Be around the Coulomb barrier”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1165** Pages first: **317** last: **320** Date: **2009**
 Cites: **2**

AUTHORS (in order of authorship): R. Raabe, J. Büscher, J. Ponsaers, F. Aksouh, M. Huyse, O. Ivanov, S. Leshner, I. Mukha, D. Pawuels, M. Sawicka, D. Smirnov, I. Stefanescu, J. Van de Walle, P. Van Duppen, C. Angulo, N. de Séréville, I. Martel, **A. M. Sánchez-Benítez**, C. Aa. Diget.
 TITLE: “Measurement of the $\alpha + d$ channel in the β -decay of ^6He ”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
 Key: **A** Volume: **80** Pages first: **054307-1** last: **054307-6** Date: **2009**
 Cites: **12**

AUTHORS (in order of authorship): E. Y. Nikolskii, A. A. Korshennikov, H. Otsu, H. Suzuki, K. Yoneda, H. Baba, K. Yamada, Y. Kondo, N. Aoi, M. S. Golovkov, A. S. Fomichev, S. A. Krupko, M. Korokawa, E. A. Kuzmin, I. Martel, W. Mittig, T. Motobayashi, T. Nakamura, M. Niikura, S. Nishimura, A. A. Oglobin, P. Roussel-Chomaz, **A. Sánchez-Benítez**, Y. Satou, S. I. Sidorchuk, T. Suda, S. Takeuchi, K. Tanaka, G. M. Ter-Akopian, Y. Togano, M. Yamaguchi.
 TITLE: “Search for ^7H at RIKEN”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1224** Pages first: **47** last: **53** Date: **2010**
 Cites: **1**

AUTHORS (in order of authorship): M. Cubero, M. J. G. Borge, L. Acosta, M. Alcorta, M. A. G. Álvarez, C. Diget, D. Galavitz, J. P. Fernández-García, J. Gómez-Camacho, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.
 TITLE: “Dynamic studies of ^{11}Li and its core ^9Li on ^{208}Pb near the Coulomb barrier”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1231** Pages first: **211** last: **212** Date: **2010**
 Cites: **0**

AUTHORS (in order of authorship): E. Yu. Nikolskii, A. A. Korshennikov, H. Otsu, H. Suzuki, K. Yoneda, H. Baba, K. Yamada, Y. Kondo, N. Aoi, A. S. Denikin, M. S. Golovkov, A. S. Fomichev, S. A. Krupko, M. Kurokawa, E. A. Kuzmin, I. Martel, W. Mittig, T. Motobayashi, T. Nakamura, M. Niikura, A. A. Oglobin, P. Roussel-Chomaz, **A. Sánchez-Benítez**, Y. Satou, S. I. Sidorchuk, T. Suda, S. Takeuchi, K. Tanaka, G. M. Ter-Akopian, Y. Togano, M. Yamaguchi.
 TITLE: “Search for ^7H in $^2\text{H} + ^8\text{He}$ collisions”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
 Key: **A** Volume: **81** Pages first: **064606-1** last: **064606-5** Date: **2010**
 Cites: **6**

AUTHORS (in order of authorship): E. F. Aguilera, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta.

TITLE: “Systematics of reactions with $^{4,6}\text{He}$: Static and dynamic halo effects and evidence for core-halo decoupling”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
Key: **A** Volume: **83(R)** Pages first: **021601-1** last: **021601-4** Date: **2011**
Cites:-

AUTHORS (in order of authorship): V. V. Parkar, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta, K. Rusek, L. Standylo, N. Keeley.

TITLE: “Dipole Polarizabilities of Weakly Bound Nuclei”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
Key: **A** Volume: **42** Pages first: **761** last: **764** Date: **2011**
Cites:3

AUTHORS (in order of authorship): L. Acosta, M. Cubero, D. Escrig, J. P. Fernández-García, J. A. Lay, A. M. Moro, M. Rodríguez-Gallardo, **A. M. Sánchez-Benítez**, M. Alcorta, M. A. G. Álvarez, M. V. Andrés, C. Angulo, M. J. G. Borge, L. Buchmann, J. Cabrera, S. Cherubini, M. A. Cortés, P. Demaret, C. G. Diget, A. Di Pietro, J. M. Espino, P. Figuera, L. M. Fraile, M. Freer, B. Fulton, H. O. U. Fynbo, D. Galaviz, J. E. G. Ramos, M. E. Gómez, J. Gómez-Camacho, M. Gulino, O. R. Kakuee, M. Madurga, A. Maira-Vidal, I. Martel, C. Metelko, A. Musumarra, I. Mukha, F. Pérez-Bernal, J. Rahighi, G. Randisi, E. Reillo, J. Rodríguez-Quintero, K. Rusek, V. Scuderi, A. Shotter, D. Smirnov, O. Tengblad, P. Van Duppen, P. Walden, V. Ziman.

TITLE: “Study of the Dynamics of Halo Nuclei Collisions At Coulomb Barrier Energies”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1336** Pages first: **570** last: **572** Date: **2011**
Cites:0

AUTHORS (in order of authorship): M. Assié, F. de Oliveira Santos, F. de Grancey, L. Achouri, J. Alcantara-Nunez, J.-C. Angélique, C. Borcea, L. Caceres, I. Celikovic, V. Chudoba, P. Y. Pang, T. Davinson, C. Ducoin, M. Fallot, J. Kiener, A. Lefebvre-Schuhl, G. L. Lotay, J. Mrazek, L. Perrot, **A. M. Sánchez-Benítez**, F. Rotaru, M-G. Saint-Laurent, Y. Sobolev, M. Stanoiu, R. Stanoiu, I. Stefan, K. Subotic, P. Woods, P. Ujic, R. Wolski.

TITLE: “Spectroscopy of the unbound nucleus ^{18}Na ”

REF. ☒ JOURNAL: *International Journal of Modern Physics E* ☐ BOOK
Key: **A** Volume: **20** Pages first: **971** last: **975** Date: **2011**
Cites:0

AUTHORS (in order of authorship): J. A. Dueñas, P. Ausset, R. Berjillos, D. Gardès, T. Junquera, L. Lavergne, I. Martel, G. Martinet, E. Raully, A. Said, **A. M. Sánchez-Benítez**, A. Samsoun, B. Waast.

TITLE: “Time Structure of ns Duration Bunches with Single Crystal Diamond Detector”

REF. ☒ JOURNAL: *Nuclear Instruments Methods A* ☐ BOOK
Key: **A** Volume: **641** Pages first: **33** last: **36** Date: **2011**
Cites:1

AUTHORS (in order of authorship): I. Martel, R. Wolski, L. Standylo, J. L. Aguado, C. Angulo, R. Berjillos, J. P. Bolívar, J. A. Duenñas, M. S. Golovkov, T. Keutgen, M. Mazzocco, **A. M. Sánchez-Benítez**, C. Signorini, M. Romoli, K. Rusek.

TITLE: “Sub-barrier Fusion and Breakup of Light Halo Nuclei”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1377** Pages first: **229** last: **233** Date: **2011**
Cites:0

AUTHORS (in order of authorship): M. Cubero, J. P. Fernández-García, J. A. Lay, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, D. G. Diget, B. Fulton, H. O. U. Fynbo, D. Galaviz, J. Gómez-Camacho, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “Elastic Scattering of ^9Li on ^{208}Pb at energies around the Coulomb barrier”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
Key: **CB** Volume: **1377** Pages first: **338** last: **340** Date: **2011**
Cites:0

AUTHORS (in order of authorship): R. Wolski, I. Martel, L. Standylo, L. Acosta, J. L. Aguado, C. Angulo, R. Berjillos, J. P. Bolívar, J. Duenñas, M. S. Golovkov, T. Keutgen, M. Mazzocco, A. Padilla, **A. M. Sánchez-Benítez**, C. Signorini, M. Romoli, K. Rusek.

TITLE: “Sub-barrier fusion of ^6He with ^{206}Pb ”

REF. ☒ JOURNAL: *European Physics Journal A* ☐ BOOK
Key: **A** Volume: **47** Pages first: **111-1** last: **111-8** Date: **2011**
Cites:7

AUTHORS (in order of authorship): L. Acosta, **A. M. Sánchez-Benítez**, M. E. Gómez, I. Martel, F. Pérez-Bernal, F. Pizarro, J. Rodríguez-Quintero, K. Ruseki, M. A. G. Álvarez, M. V. Andrés, J. M. Espino, J. P. Fernández-García, J. Gómez-Camacho, A. M. Moro, C. Angulo, J. Cabrera, E. Casarejos, P. Demaret, M. J. G. Borge, D. Escrig, O. Tengblad, S. Cherubini, P. Figuera, M. Gulino, M. Freer, C. Metelko, V. Ziman, R. Raabe, I. Mukha, D. Smirnov, O. R. Kakuee, J. Rahighi.

TITLE: “Elastic scattering and α -particle production in $^6\text{He} + ^{208}\text{Pb}$ collisions at 22 MeV”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
Key: **A** Volume: **84** Pages first: **044604-1** last: **044604-8** Date: **2011**
Cites:12

AUTHORS (in order of authorship): I. Martel, E. F. Aguilera, L. Acosta, **A. M. Sánchez-Benítez**, R. Wolski.

TITLE: “Fusion and reactions of exotic nuclei”

REF. ☒ JOURNAL: *European Physical Journal-Web of Conferences* ☐ BOOK
Key: **A** Volume: **17** Pages first: **13002-1** last: **13002-4** Date: **2011**
Cites:0

AUTHORS (in order of authorship): N. Patronis, A. Pakou, D. Pierroutsakou, **A. M. Sánchez-Benítez**, L. Acosta, N. Alamanos, A. Boiano, G. Inglima, D. Filipescu, T. Glodariu, A. Guglielmetti, M. La Commara, G. Lalazissis, I. Martel, C. Mazzocchi, M. Mazzocco, P. Molini, C. Parascandolo, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, M. Romoli, A. Trzcinska, K. Zerva, E. Vardaci, A. Vitturi.

TITLE: “**Probing the $^{17}\text{F} + \text{p}$ potential by elastic scattering at near barrier energies**”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
Key: **A** Volume: **85** Pages first: **024609-1** last: **024609-6** Date: **2012**
Cites:2

AUTHORS (in order of authorship): K. Rusek, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta.
TITLE: “ **^{10}Be yield from $^{11}\text{Be} + ^{120}\text{Sn}$ interaction at the Coulomb barrier**”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
Key: **A** Volume: **43** Pages first: **233** last: **238** Date: **2012**
Cites:1

AUTHORS (in order of authorship): G. Marquínez-Durán, **A. M. Sánchez-Benítez**, I. Martel, R. Berjillos, J. Duenás, V. V. Parkar, L. Acosta, K. Rusek, M. A. G. Álvarez, J. Gómez-Camacho, M. J. G. Borge, C. Cruz, M. Cubero, V. Pesudo, O. Tengblad, A. Chbihi, J. P. Fernández-García, B. Fernández-Martínez, J. A. Labrador, A. H. Ziad, J. L. Flores, N. Keeley, L. Standylo, I. Strojek, M. Marques, M. Mazzocco, A. Pakou, N. Patronis, D. Pierroutsakou, R. Silvestri, R. Raabe, N. Soic, R. Wolski.

TITLE: “**Scattering of ^8He on ^{208}Pb at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
Key: **A** Volume: **43** Pages first: **239** last: **245** Date: **2012**
Cites:1

AUTHORS (in order of authorship): M. Assié, F. de Oliveira Santos, T. Davinson, F. de Grancey, L. Achouri, J. Alcántara-Nuñez, T. Al kalanee, J. C. Angélique, C. Borcea, R. Borcea, L. Cáceres, I. Celikovic, V. Chudoba, D. Y. Pang, C. Ducoin, M. Fallot, O. Kamalou, J. Kiener, Y. Lam, A. Lefebvre-Schuhl, G. Lotay, J. Mrazek, L. Perrot, **A. M. Sánchez-Benítez**, F. Rotaru, M. G. Saint-Laurent, Yu Sobolev, N. Smirnova, M. Stanoiu, I. Stefan, K. Subotic, P. Ujic, R. Wolski and P. Woods.

TITLE: “**Spectroscopy of ^{18}Na : Bridging the two-proton radioactivity of ^{19}Mg** ”

REF. ☒ JOURNAL: *Physical Letters B* ☐ BOOK
Key: **A** Volume: **712** Pages first: **198** last: **202** Date: **2012**
Cites:1

AUTHORS (in order of authorship): J. A. Dueñas, D. Mengoni, V. V. Parkar, R. Berjillos, M. Assié, D. Beaumel, **A. M. Sánchez-Benítez**, I. Martel.

TITLE: “**Identification of light particles by means of pulse shape analysis with silicon detector at low energy**”

REF. ☒ JOURNAL: *Nuclear Instruments Methods A* ☐ BOOK
Key: **A** Volume: **676** Pages first: **70** last: **73** Date: **2012**
Cites:8

AUTHORS (in order of authorship): K. Zerva, A. Pakou, N. Patronis, P. Figuera, A. Musumarra, N. Alamanos, A. Di Pietro, M. Fisichella, T. Glodariu, M. La Commara, M. Lattuada, M. Mazzocco, M. G. Pellegriti, D. Pierroutsakou, **A. M. Sánchez-Benítez**, V. Scuderi, E. Strano and K. Rusek.

TITLE: “**Quasi-elastic backscattering of $^{6,7}\text{Li}$ on light, medium and heavy targets at near and sub-barrier energies**”

REF. ☒ JOURNAL: *European Physical Journal A* ☐ BOOK
 Key: **A** Volume: **48** Pages first: **102** last: **116** Date: **2012**
 Cites:1

AUTHORS (in order of authorship): M. J. G. Borge, M. Cubero, J. P. Fernández-García, L. Acosta, M. Alcorta, M. A. G. Álvarez, L. Buchmann, C. A. Diget, H. Al Falou, B. R. Fulton, H. O. U. Fynbo, D. Galaviz, J. Gómez-Camacho, R. Kanungo, J. A. Lay, M. Madurga, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “**Scattering of the halo nucleus ^{11}Li and its core ^9Li on ^{208}Pb at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
 Key: **A** Volume: **318** Pages first: **12085-1** last: **12085-7** Date: **2012**
 Cites:2

AUTHORS (in order of authorship): M. Uroić, M. Milin, A. Di Pietro, P. Figuera, M. Fisichella, M. Lattuada, I. Martel, Đ. Miljanić, M. G. Pellegriti, L. Prepolec, **A. M. Sánchez-Benítez**, V. Scuderi, N. Soić, E. Strano, D. Torresi

TITLE: “**Reactions induced by ^7Li beam and optimization of silicon detector telescope**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1491** Pages first: **357** last: **358** Date: **2012**
 Cites:-

AUTHORS (in order of authorship): V. Tokić, N. Soić, S. Blagus, S. Fazinić, D. Jelavić-Malenica, Đ. Miljanić, L. Prepolec, N. Skukan, S. Szilner, M. Uroić, M. Milin, A. Di Pietro, P. Figuera, M. Fisichella, M. Lattuada, V. Scuderi, E. Strano, D. Torresi, N. Ashwood, N. Curtis, M. Freer, V. Ziman, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta

TITLE: “**Study of ^{24}Mg resonances relevant for carbon burning nucleosynthesis**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1491** Pages first: **287** last: **288** Date: **2012**
 Cites:0

AUTHORS (in order of authorship): I. Martel, E. F. Aguilera, L. Acosta, **A. M. Sánchez-Benítez**, R. Wolski

TITLE: “**Reactions of halo nuclei at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1423** Pages first: **89** last: **96** Date: **2012**
 Cites:0

AUTHORS (in order of authorship): M. Cubero, J. P. Fernández-García, M. Rodríguez-Gallardo, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, C. A. Diget, H. Al Falou, B. R. Fulton, H. O. U. Fynbo, D. Galaviz, J. Gómez-Camacho, R. Kanungo, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “**Do Halo Nuclei Follow Rutherford Elastic Scattering at Energies Below the Barrier? The Case of ^{11}Li** ”

REF. ☒ JOURNAL: *Physical Review Letters* ☐ BOOK
Key: **A** Volume: **109** Pages first: **262701-1** last: **262701-5** Date: **2012**
Cites:**5**

AUTHORS (in order of authorship): L. Acosta, F. Amorini, A. Anzalone, L. Auditore, C. Boiano, G. Cardella, A. Castoldi, A. Chbihi, E. De Filippo, L. Francalanza, E. Geraci, S. Gianí, C. Guazzoni, E. La Guidara, G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, I. Martel, T. Minniti, A. Pagano, E. V. Pagano, M. Papa, T. Parsani, S. Pirrone, G. Politi, F. Porto, F. Riccio, F. Rizzo, P. Russotto, **A. M. Sánchez-Benítez**, J. A. Duenas, R. Berjillos, S. Santoro, A. Trifiró, M. Trimachi, G. Verde, M. Vigilante, P. Zambon.

TITLE: “**FARCOS: A versatile and modular Femtoscopy Array for Correlations and Spectroscopy**”

REF. ☒ JOURNAL: *IEEE Nuclear Science Symposium Conference Record* ☐ BOOK
Key: **CB** Volume: - Pages first: **1547** last: **1553** Date: **2012**
Cites:**0**

AUTHORS (in order of authorship): L. Acosta, F. Amorini, A. Anzalone, L. Auditore, C. Boiano, G. Cardella, L. Carraresi, A. Castoldi, A. Chbihi, E. De Filippo, L. Francalanza, E. Geraci, S. Gianí, C. Guazzoni, E. La Guidara, G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, I. Martel, T. Minniti, G. V. Montemurro, A. Pagano, E. V. Pagano, M. Papa, T. Parsani, S. Pirrone, G. Politi, F. Porto, F. Riccio, F. Rizzo, P. Russotto, **A. M. Sánchez-Benítez**, J. A. Duenas, R. Berjillos, S. Santoro, F. Taccetti, A. Trifiró, M. Trimachi, G. Verde, M. Vigilante, P. Zambon.

TITLE: “**Mapping the amplitude and position response of double sided silicon strip detectors with monochromatic single protons**”

REF. ☒ JOURNAL: *IEEE Nuclear Science Symposium Conference Record* ☐ BOOK
Key: **CB** Volume: - Pages first: **1358** last: **1364** Date: **2012**
Cites:**0**

AUTHORS (in order of authorship): E. Stiliaris, A. Pakou, D. Pierroutsakou, A. Boiano, C. Boiano, D. Filipescu, T. Glodariu, J. Grebosz, A. Guglielmetti, M. La Commara, M. Mazzocco, C. Parascandolo, K. Rusek, **A. M. Sánchez-Benítez**, C. Signorini, O. Sgouros, F. Soramel, V. Soukeras, E. Strano, L. Stroe, N. Toniolo, D. Torresi, K. Zerva.

TITLE: “**Energy Reconstruction from PileUp Events**”

REF. ☒ JOURNAL: *IEEE Nuclear Science Symposium Conference Record* ☐ BOOK
Key: **CB** Volume: - Pages first: **1092** last: **1097** Date: **2012**
Cites:**0**

AUTHORS (in order of authorship): A. Pakou, E. Stiliaris, D. Pierroutsakou, N. Alamanos, A. Boiano, C. Boiano, D. Filipescu, T. Glodiaru, J. Grebosz, A. Guglielmetti, M. La Commara, M. Mazzocco, C. Parascandolo, K. Rusek, **A. M. Sánchez-Benítez**, C. Signorini, O. Sgouros, F. Soramel, V. Soukeras, E. Strano, L. Stroe, N. Toniolo, D. Torresi, K. Zerva.
 TITLE: “**Fusion cross sections of $^8\text{B}+^{28}\text{Si}$ at near-barrier energies**”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
 Key: **A** Volume: **87** Pages first: **14619-1** last: **14619-8** Date: **2013**
 Cites:**3**

AUTHORS (in order of authorship): G. Marquínez-Durán, **A. M. Sánchez-Benítez**, I. Martel, R. Berjillos, J. Duenãs, V. V. Parkar, L. Acosta, K. Rusek, M. A. G. Álvarez, J. Gómez-Camacho, M. J. G. Borge, C. Cruz, M. Cubero, V. Pesudo, O. Tengblad, A. Chbihi, J. P. Fernández-García, B. Fernández-Martínez, J. A. Labrador, A. H. Ziad, J. L. Flores, N. Keeley, L. Standylo, I. Strojek, M. Marques, M. Mazzocco. A. Pakou, N. Patronis, D. Pierroutsakou, R. Silvestri, R. Raabe, N. Soic, R. Wolski.
 TITLE: “**Elastic scattering of $^8\text{He} + ^{208}\text{Pb}$ at 22 MeV**”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
 Key: **A** Volume: **44** Pages first: **467** last: **470** Date: **2013**
 Cites:**1**

AUTHORS (in order of authorship): J. P. Fernández-García, M. Cubero, M. Rodríguez-Gallardo, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, C. A. Diget, H. Al Falou, B. R. Fulton, H. O. U. Fynbo, D. Galaviz, J. Gómez-Camacho, R. Kanungo, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.
 TITLE: “ **^{11}Li breakup on ^{208}Pb at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Physical Review Letters* ☐ BOOK
 Key: **A** Volume: **110** Pages first: **142701-1** last: **142701-5** Date: **2013**
 Cites:**1**

AUTHORS (in order of authorship): J. A. Dueñas, D. Mengoni, M. Assié, V. V. Parkar, **A. M. Sánchez-Benítez**, A. Shrivastava, D. Beaumel, I. Martel.
 TITLE: “**Dependency on the silicon detector working bias for proton-deuteron particle identification at low energies**”

REF. ☒ JOURNAL: *Nuclear Instruments Methods A* ☐ BOOK
 Key: **A** Volume: **714** Pages first: **48** last: **52** Date: **2013**
 Cites:**2**

AUTHORS (in order of authorship): M. Mazzocco, D. Torresi, N. Fierro, L. Acosta, A. Boiano, C. Boiano, T. Glodariu, A. Guglielmetti, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parker, N. Patronis, D. Pierroutsakou, M. Romoli, **A. M. Sánchez-Benítez**, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva.
 TITLE: “**Recent results on reactions with weakly-bound nuclei**”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
 Key: **A** Volume: **44** Pages first: **437** last: **446** Date: **2013**
 Cites:**1**

AUTHORS (in order of authorship): L. Standylo, L. Acosta, C. Angulo, R. Berjillos, J. A. Duenas, M. S. Golovkov, N. Keeley, T. Keutgen, I. Martel, M. Mazzocco, F. Pérez-Bernal, **A. M. Sánchez-Benítez**, C. Signorini, M. Romoli, K. Rusek, R. Wolski.
 TITLE: “**Breakup and neutron-transfer effects on ${}^6\text{He} + {}^{206}\text{Pb}$ elastic scattering below the Coulomb barrier**”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
 Key: **A** Volume: **87** Pages first: **064603-1** last: **064603-7** Date: **2013**
 Cites:0

AUTHORS (in order of authorship): G. Marquínez-Durán, **A. M. Sánchez-Benítez**, I. Martel, L. Acosta, K. Rusek, M. A. G. Álvarez, R. Berjillos, M. J. G. Borge, A. Chbihi, C. Cruz, M. Cubero, J. Duenas, J. P. Fernández-García, B. Fernández-Martínez, J. L. Flores, J. Gómez-Camacho, N. Keeley, J. A. Labrador, M. Marques, A. M. Moro, M. Mazzocco, A. Pakou, V. V. Parkar, N. Patronis, V. Pseudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soic, L. Standylo, I. Strojek, O. Tengblad, R. Wolski, A. H. Ziad.
 TITLE: “**Scattering of ${}^8\text{He}$ on ${}^{208}\text{Pb}$ at 22 MeV**”

REF. ☒ JOURNAL: *AIP Conference Proceedings* ☐ BOOK
 Key: **CB** Volume: **1541** Pages first: **175** last: **176** Date: **2013**
 Cites:0

AUTHORS (in order of authorship): M. Mazzocco, D. Torresi, N. Fierro, L. Acosta, A. Boiano, C. Boiano, T. Glodariu, A. Guglielmetti, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parker, N. Patronis, D. Pierroutsakou, M. Romoli, **A. M. Sánchez-Benítez**, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva.
 TITLE: “**Scattering process for the system ${}^7\text{Be} + {}^{58}\text{Ni}$ at 23.2 MeV beam energy**”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
 Key: **A** Volume: **420** Pages first: **012077-1** last: **012077-9** Date: **2013**
 Cites:0

AUTHORS (in order of authorship): G. Verde, L. Acosta, T. Minniti, F. Amorini, L. Auditore, R. Bassini, C. Boiano, G. Cardella, A. Chbihi, E. Di Filippo, L. Francalanza, S. Gianí, C. Guazzoni, I. Martel, E. La Guidara, G. Lanzalone, I. Lombardo, D. Loria, A. Pagano, E. V. Pagano, M. Papa, S. Pirrone, G. Politi, F. Porto, L. Quattrocchi, F. Rizzo, P. Russotto, **A. M. Sánchez-Benítez**, A. Trifiró, M. Trimachi.
 TITLE: “**The Farcos project: Femtoscope Array for Correlations and Femtoscopy**”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
 Key: **A** Volume: **420** Pages first: **012158-1** last: **012158-9** Date: **2013**
 Cites:0

AUTHORS (in order of authorship): F. Hammache, A. Coc, N. de Séréville, I. Stefan, P. Roussel, S. Ancelin, M. Assié, L. Audouin, D. Beaumel, S. Franchoo, B. Fernandez-Dominguez, S. Fox, C. Hamadache, J. Kiener, A. Laird, B. Le Crom, A. Lefebvre-Schuhl, L. Lefebvre, I. Matea, A. Matta, G. Mavilla, J. Mrazek, P. Morfouace, F. de Oliveira Santos, A. Parikh, L. Perrot, **A. M. Sánchez-Benítez**, D. Suzuki, V. Tatischeff, P. Ujic and M. Vandebroutck.
 TITLE: “Search for new resonant states in ^{10}C and ^{11}C and their impact on the cosmological lithium problem”

REF. ☒ JOURNAL: *Physical Review C* ☐ BOOK
 Key: **A** Volume: **88(R)** Pages first: **062802-1** last: **062802-5** Date: **2013**
 Cites:0

AUTHORS (in order of authorship): M. Uroić, M. Milin, A. Di Pietro, P. Figuera, I. Martel, M. Fisichella, M. Lattuada, Đ' Miljanić, M. G. Pellegriti, L. Prepolec, **A. M. Sánchez-Benítez**, V. Scuderi, N. Soić, E. Strano, D. Torresi.
 TITLE: “States in ^{10}Be populated in $^{6,7}\text{Li}(^7\text{Li}, ^{3,4}\text{He})^{10}\text{Be}^*$ reactions at 30 and 52 MeV”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
 Key: **A** Volume: **436** Pages first: **012044-1** last: **012044-3** Date: **2013**
 Cites:-

AUTHORS (in order of authorship): V. Tokić, N. Soić, S. Blagus, S. Fazinić, D. Jelavić-Malenica, Đ' Miljanić, L. Prepolec, N. Skukan, S. Szilner, M. Uroić, M. Milin, A. Di Pietro, P. Figuera, M. Fisichella, M. Lattuada, V. Scuderi, E. Strano, D. Torresi, N. Ashwood, N. Curtis, M. Freer, V. Ziman, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta.
 TITLE: “Study of ^{24}Mg resonances relevant to carbon burning nucleosynthesis”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
 Key: **A** Volume: **436** Pages first: **012074-1** last: **012074-3** Date: **2013**
 Cites:-

AUTHORS (in order of authorship): J. A. Dueñas, D. Mengoni, M. Assié, B. LeCrom, **A. M. Sánchez-Benítez**, B. Genolini, Y. Blumenfeld, S. Ancelin, N. de Séréville, T. Faul, F. Hammache, A. Jallat, V. Le Ven, E. Rauli, D. Suzuki, D. Beaumel, I. Martel.
 TITLE: “Interstrip effects influence on the particle identification of highly segmented silicon strip detector in a nuclear reaction scenario ”

REF. ☒ JOURNAL: *Nuclear Instruments Methods A* ☐ BOOK
 Key: **A** Volume: **743** Pages first: **44** last: **50** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): M. Mazzocco, D. Torresi, L. Acosta, A. Boiano, C. Boiano, N. Fierro, T. Glodariu, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parker, N. Patronis, D. Pierroutsakou, M. Romoli, K. Rusek, **A. M. Sánchez-Benítez**, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva.
 TITLE: “Direct and compound nucleus reactions for the system $^7\text{Be} + ^{58}\text{Ni}$ at near barrier energies”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
 Key: **A** Volume: **45** Pages first: **363** last: **374** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): V. Pesudo, M. J. G. Borge, A. M. Moro, E. Nacher, L. Acosta, M. Alcorta, M. A. G. Alvarez, G. C. Ball, P. C. Bender, R. Braidi, M. Cubero, A. di Pietro, J. P. Fernandez-Garcia, P. Figuera, M. Fisichella, B. R. Fulton, A. B. Garnsworthy, J. Gomez-Camacho, G. Hackman, O. S. Kirsebom, K. Kuhni, R. Krüecken, M. Lattuada, J. A. Lay, G. Marquínez-Durán, I. Martel, D. Miller, M. Moukaddam, P. D. O'Malley, A. Perea, M. M. Rajabali, **A. M. Sánchez-Benítez**, F. Sarazin, V. Scuderi, C. E. Svensson, O. Tengblad, C. Unsworth, Z. M. Wang.

TITLE: “**Reactions of the halo nucleus ^{11}Be on heavy targets at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Acta Physica Polonica B* ☐ BOOK
 Key: **A** Volume: **45** Pages first: **375** last: **382** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): G. Marquínez-Durán, **A. M. Sánchez-Benítez**, I. Martel, L. Acosta, K. Rusek, M. A. G. Álvarez, R. Berjillos, M. J. G. Borge, A. Chbihi, C. Cruz, M. Cubero, J. Duenñas, J. P. Fernández-García, B. Fernández-Martínez, J. L. Flores, J. Gómez-Camacho, N. Keeley, J. A. Labrador, M. Marques, A. M. Moro, M. Mazzocco, A. Pakou, V. V. Parkar, N. Patronis, V. Pesudo, D. Pierroutsakou, R. Raabe, R. Silvestri, N. Soic, L. Standylo, I. Strojek, O. Tengblad, R. Wolski, A. H. Ziad.

TITLE: “**Near barrier scattering of ^8He on ^{208}Pb** ”

REF. ☒ JOURNAL: *European Physical Journal-Web of Conferences* ☐ BOOK
 Key: **A** Volume: **66** Pages first: **03058-1** last: **03058-4** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): O. Tengblad, M. J. G. Borge, M. Cubero, E. Nacher, V. Pesudo, A. Perea, J. Gómez-Camacho, A. Moro, J. P. Fernández-García, M. A. G. Álvarez, M. Rodríguez-Gallardo, J. A. Lay, I. Martel, L. Acosta, **A. M. Sánchez-Benítez**, G. Marquínez-Durán, P. Walden and the E1104 and S1202 collaborations at TRIUMF.

TITLE: “**Scattering of light halo nuclei on heavy target at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *European Physical Journal-Web of Conferences* ☐ BOOK
 Key: **A** Volume: **66** Pages first: **03086-1** last: **03086-4** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): M. Mazzocco, D. Torresi, L. Acosta, A. Boiano, C. Boiano, N. Fierro, T. Glodariu, A. Guglielmetti, N. Keeley, M. La Commara, I. Martel, C. Mazzocchi, P. Molini, A. Pakou, C. Parascandolo, V. V. Parkar, N. Patronis, D. Pierroutsakou, M. Romoli, K. Rusek, **A. M. Sánchez-Benítez**, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, E. Stiliaris, E. Strano, L. Stroe, K. Zerva.

TITLE: “**Transfer vs. Breakup in the interaction of the ^7Be Radioactive Ion Beam with a ^{58}Ni target at Coulomb barrier energies**”

REF. ☒ JOURNAL: *European Physical Journal-Web of Conferences* ☐ BOOK
 Key: **A** Volume: **66** Pages first: **03060-1** last: **03060-4** Date: **2014**
 Cites:0

AUTHORS (in order of authorship): G. Marquínez-Durán, L. Acosta, R. Berjillos, J. A. Dueñas, J. A. Labrador, K. Rusek, **A. M. Sánchez-Benítez**, I. Martel.

TITLE: “**GLORIA: A compact detector system for studying heavy ion reactions using radioactive beams**”

REF. ☒ JOURNAL: *Nuclear Instruments Methods A* ☐ BOOK
Key: **A** Volume: **755** Pages first: **69** last: **77** Date: **2014**
Cites:**0**

AUTHORS (in order of authorship): J. P. Fernández-García, M. Cubero, M. Rodríguez-Gallardo, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, C. A. Diget, H. Al Falou, B. R. Fulton, H. O. U. Fynbo, D. Galaviz, J. Gómez-Camacho, R. Kanungo, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “**Study of the break-up channel in $^{11}\text{Li} + ^{208}\text{Pb}$ collisions at energies around the Coulomb barrier**”

REF. ☒ JOURNAL: *Journal of Physics: Conference Series* ☐ BOOK
Key: **A** Volume: **515** Pages first: **012004-1** last: **012004-8** Date: **2014**
Cites:**2**

PARTICIPATION IN RESEARCH PROJECTS

Gained through public research competitions, particularly those financed through national or European programmes.

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Spectroscopic study of nuclei involved in the explosive hydrogen burning” (AIC10-D-000614)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 30/12/2010 TO: 30/12/2011

SUBSIDY GRANTED: 3,450€

PRINCIPAL INVESTIGATOR: Ángel Miguel Sánchez Benítez (Univ. of Huelva)

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Spectroscopic study of nuclei involved in the explosive hydrogen burning” (AIC-D-2011-0820)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 01/12/2011 TO: 01/12/2012

SUBSIDY GRANTED: 1,500€

PRINCIPAL INVESTIGATOR: Ángel Miguel Sánchez Benítez (Univ. of Huelva)

PROJECT TITLE: “Estudio de la dispersión de núcleos exóticos a energías bajo la barrera coulombiana”(FPA2000-1592-C03-02)

FINANCIAL INSTITUTIONS: D.G.I.C.Y.T.-M.E.C. /Plan Nacional de Altas Energías

PARTICIPATING INSTITUTIONS:University of Huelva

DURATION FROM: 19/12/2000 TO: 18/12/2003

SUBSIDY GRANTED: 112,680€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: PhD Fellow

PROJECT TITLE: Estructura de la materia (FQM-318)

FINANCIAL INSTITUTIONS: Junta de Andalucía / Consolidación de Grupos de Investigación e Infraestructuras (P.A.I.D.I.)

PARTICIPATING INSTITUTIONS:University of Huelva

DURATION FROM: 2001 TO: 2013 (renewed yearly)

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: PhD Fellow, Postdoctoral Fellow

PROJECT TITLE: Estructura de la Materia

FINANCIAL INSTITUTIONS: University of Huelva (Plan Propio de Investigación)

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 2001 TO: 2013 (renewed yearly)

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: PhD Fellow, Postdoctoral Fellow

PROJECT TITLE: **Programa Operativo FEDER (2001)**

FINANCIAL INSTITUTIONS: **European Union**

PARTICIPATING INSTITUTIONS: **University of Huelva**

DURATION FROM: **2001** TO: **2003**

SUBSIDY GRANTED: **108,816€**

PRINCIPAL INVESTIGATOR: **Ismael Martel Bravo (Univ. of Huelva)**

ROLE: **PhD Fellow**

PROJECT TITLE: **Acción Coordinada 2002 (ACC-708-FQM-2002)**

FINANCIAL INSTITUTIONS: **Junta de Andalucía (P.A.I.D.I.)**

PARTICIPATING INSTITUTIONS: **University of Seville y University of Huelva**

DURATION FROM: **2003** TO: **2004**

SUBSIDY GRANTED: **10,489€**

PRINCIPAL INVESTIGATOR: **Ismael Martel Bravo (Univ. of Huelva)**

ROLE: **PhD Fellow**

PROJECT TITLE: **“Dispersión de Núcleos Exóticos” (DINEX) (FPA2003-05958)**

FINANCIAL INSTITUTIONS: **Ministerio de Ciencia y Tecnología**

PARTICIPATING INSTITUTIONS: **University of Huelva**

DURATION FROM: **01/12/2003** TO: **30/11/2006**

SUBSIDY GRANTED: **344,200€**

PRINCIPAL INVESTIGATOR: **Ismael Martel Bravo (Univ. of Huelva)**

ROLE: **PhD Fellow**

PROJECT TITLE: **(IN2P3)French-Spanish bilateral project “Detector HYDE para FAIR” (FPA2004-23061-E)**

FINANCIAL INSTITUTIONS: **Ministerio de Ciencia y Tecnología**

PARTICIPATING INSTITUTIONS: **IPN-Orsay (Paris, France) and University of Huelva**

DURATION FROM: **2005** TO: **2006**

SUBSIDY GRANTED: **23,000€**

PRINCIPAL INVESTIGATOR: **Ismael Martel Bravo (Univ. of Huelva)**

ROLE: **Postdoctoral Fellow**

PROJECT TITLE: **“Física de Partículas Elementales: Teoría y Experimento” ((P05-FQM-437)**

FINANCIAL INSTITUTIONS: **Junta de Andalucía (Proyecto de Excelencia)**

PARTICIPATING INSTITUTIONS: **Centro Andaluz de Física de Partículas Elementales (CAFPE)-University of Granada and University of Huelva**

DURATION FROM: **2006** TO: **2009**

SUBSIDY GRANTED: **195,000€**

PRINCIPAL INVESTIGATOR: **Francisco Del Águila Giménez (Univ. of Granada)**

ROLE: **Postdoctoral Fellow**

PROJECT TITLE: “Física e Instrumentación de Núcleos Radiactivos” (FINURA)
(FPA2006-13807-C02-02)

FINANCIAL INSTITUTIONS: Plan Nacional de Física de Partículas

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 01/10/2006 TO: 30/09/2009

SUBSIDY GRANTED: 148,975€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Design studies of GASPARD array for Spiral2” (IN2P3-08-13)

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 01/05/2008 TO: 31/12/2009

SUBSIDY GRANTED: 4,400€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (INFN)Italian-Spanish bilateral project “New techniques for detecting and identifying charged products in nuclear collisions” (INFN07-32)

FINANCIAL INSTITUTIONS: Ministerio de Educación y Ciencia

PARTICIPATING INSTITUTIONS: Università degli Studi di Napoli “Federico II” and University of Huelva

DURATION FROM: 2007 TO: 2008

SUBSIDY GRANTED: 4,000€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “Física e Instrumentación de Núcleos Radiactivos” (FINURA)
(FPA2007-63074)

FINANCIAL INSTITUTIONS: Plan Nacional de Física de Partículas

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 01/10/2007 TO: 04/10/2010

SUBSIDY GRANTED: 407,528€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Design studies of GASPARD array for Spiral2” (FPA2008-04081-E/IN2P3)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 1/3/2009 TO: 01/10/2010

SUBSIDY GRANTED: 3,300€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Design studies of GASPARD array for Spiral2” (AIC10-D-000615)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 30/12/2010 TO: 30/12/2011

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (IN2P3)French-Spanish bilateral project “Design studies of GASPARD array for Spiral2” (AIC-D-2011-0823)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: IPN-Orsay (Paris, France) and University of Huelva

DURATION FROM: 01/12/2011 TO: 01/12/2012

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (INFN)Italian-Spanish bilateral project “New techniques for detecting and identifying charged products in nuclear collisions” (FPA2008-04023-E/INFN)

FINANCIAL INSTITUTIONS: Ministerio de Educación

PARTICIPATING INSTITUTIONS: Università degli Studi di Napoli “Federico II” and University of Huelva

DURATION FROM: 01/03/2009 TO: 01/04/2010

SUBSIDY GRANTED: 4,000€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (INFN)Italian-Spanish bilateral project “New techniques for detecting and identifying charged products in nuclear collisions” (AIC2009-1035)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: Università degli Studi di Napoli “Federico II” and University of Huelva

DURATION FROM: 15/12/2009 TO: 01/04/2011

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (INFN)Italian-Spanish bilateral project “New techniques for detecting and identifying charged products in nuclear collisions” (AIC10-D-000622)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 30/12/2010 TO: 30/12/2011

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “Laboratorio de detectores para física de partículas” (UNHU10-1E-1200)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 01/01/2010 TO: 31/12/2012

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “Equipos de ensayos de compatibilidad electromagnética (CEM) para sistemas acondicionadores activos de potencia” (UNHU10-1E-287)

FINANCIAL INSTITUTIONS: Ministerio de Ciencia e Innovación

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 01/01/2010 TO: 31/12/2012

PRINCIPAL INVESTIGATOR: Patricio Salmerón Revuelta (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “SPIRAL2 Preparatory Phase FP7” (FP7-spiral2-212692)

FINANCIAL INSTITUTIONS: European Union

PARTICIPATING INSTITUTIONS: University of Huelva, others

DURATION FROM: 01/11/2007 TO: 31/03/2012

SUBSIDY GRANTED: 95,000€

PRINCIPAL INVESTIGATOR-Subproject: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “Reacciones y dinámica de núcleos exóticos” (P09-FQM-4964)

FINANCIAL INSTITUTIONS: Junta de Andalucía (Proyecto de Excelencia)

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 03/02/2010 TO: 02/02/2013

SUBSIDY GRANTED: 150,000€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “EXNUC, Physics of compact objects: explosive nucleosynthesis and evolution” (09-EuroGENESIS-FP-004)

FINANCIAL INSTITUTIONS: European Science Foundation (EUROCORES)

PARTICIPATING INSTITUTIONS: University of Huelva, others

DURATION FROM: 01/06/2010 TO: 31/05/2013

SUBSIDY GRANTED: 65,000€

PRINCIPAL INVESTIGATOR-Subproject: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: “Física e Instrumentación de Núcleos Radiactivos” (FINURA)
(FPA2010-22131)

FINANCIAL INSTITUTIONS: Plan Nacional de Física de Partículas

PARTICIPATING INSTITUTIONS: University of Huelva

DURATION FROM: 01/01/2011 TO: 31/12/2013

SUBSIDY GRANTED: 500,000€

PRINCIPAL INVESTIGATOR: Ismael Martel Bravo (Univ. of Huelva)

ROLE: Postdoctoral Fellow

PROJECT TITLE: (INFN)Italian-Spanish bilateral project “Métodos Algebraicos en Sistemas Nucleares y Moleculares” (AIC-D-2011-0682)

FINANCIAL INSTITUTIONS: Ministerio de Economía e Innovación

PARTICIPATING INSTITUTIONS: University of Padova (Italy) and University of Huelva

DURATION FROM: 01/12/2011 TO: 01/12/2012

SUBSIDY GRANTED: 2,000€

PRINCIPAL INVESTIGATOR: Francisco Pérez Bernal (Univ. of Huelva)

ROLE: Postdoctoral Fellow

SHORT STAYS IN CENTRES OUTSIDE SPAIN

Particularly those financed through competitive research programmes.

Key: D=PhD, P=postdoctoral, I=invited, O=other (specify)

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2001 DURATION:11 days

SUBJECT: Preparation and data collection for the experiment "Study of alpha cluster states in ^{22}Mg " (PH173).

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2002 DURATION:4 weeks

SUBJECT: Preparation and data collection for the experiment "Exploring the dynamics of ^6He elastic scattering on heavy targets" (PH189).

KEY: O: External user

CENTRE: Particle accelerators laboratory ISOLDE (CERN).

CITY: Geneva COUNTRY: Switzerland YEAR: 2003 DURATION:7 days

SUBJECT: Preparation and data collection for the experiment "Study of unbound nuclei ^{10}Li and ^7He at REX-ISOLDE" (IS-367).

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2004 DURATION:11 days

SUBJECT: Preparation and data collection for the experiment "Measurement of the ^6He β -delayed α +d emission branching ratio" (PH212). March.

KEY: O: External user

CENTRE: Particle accelerators laboratory ISOLDE (CERN).

CITY: Geneva COUNTRY: Switzerland YEAR: 2004 DURATION:9 days

SUBJECT: Preparation and data collection for the experiment "Exploring the dipole polarizability of ^{11}Li at REX-ISOLDE" (IS-399).

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2004 DURATION:8 days

SUBJECT: Preparation and data collection for the experiment "Measurement of the ^6He β -delayed α +d emission branching ratio" (PH212). June.

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2004 DURATION:11 days

SUBJECT: Preparation and data collection for the experiment "The ^7Be induced reactions on a ^3He target" (PH210).

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2004 DURATION:9 days
SUBJECT: Preparation and data collection for the experiment "Study of the elastic
scattering of ^6He at energies around the Coulomb barrier" (PH215).
KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2005 DURATION:10 days
SUBJECT: Preparation and data collection for the experiment "Measurement of the
 ^6He β -delayed α +d emission branching ratio" (PH212).
KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2005 DURATION:12 days
SUBJECT: Preparation and data collection for the experiment "Study of neutron-rich
beryllium and carbon isotopes using the $^6\text{He}+^{14}\text{C}$ transfer reactions" (PH217).
KEY: O: External user

CENTRE: Particle accelerators laboratory RIKEN, Nishina Center.
CITY: Wako COUNTRY: Japan YEAR: 2006 DURATION:11 days
SUBJECT: Preparation and data collection for the experiment "Search for extremely
neutron-rich systems ^7H , ^6H and ^4n in the $^2\text{H}+^8\text{He}$ collisions" (R390n).
KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2007 DURATION:13 days
SUBJECT: Preparation and data collection for the experiment "Study of the cluster
states in ^{10}Be and ^{11}C using the resonant scattering approach" (PH-216). November.
KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2007 DURATION:20 days
SUBJECT: Preparation and data collection for the experiment "Charge symmetry
breaking in elastic scattering involving ^{15}O and ^{15}N " (PH-227).
KEY: O: Spokesperson of the experiment -.- External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2008 DURATION:15 days
SUBJECT: Preparation and data collection for the experiment "Charge symmetry
breaking in elastic scattering involving ^{15}O and ^{15}N " (PH-227).
KEY: O: Spokesperson of the experiment -.- External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC),
Université catholique de Louvain (UCL).
CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2008 DURATION:21 days
SUBJECT: Preparation and data collection for the experiment "Measurement of re-
action channels for sub-barrier ^6He energies by activation method" (PH-238).
KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2008 DURATION:10 days
SUBJECT: Preparation and data collection for the experiment “Study of ^7He and other exotic neutron-rich systems via the $^6\text{He}+d$ interaction” (PH-223).

KEY: O: External user

CENTRE: Particle accelerators laboratory TRIUMF, Canada’s National Laboratory for Particle and Nuclear Physics.

CITY: Vancouver COUNTRY: Canada YEAR: 2008 DURATION:15 days
SUBJECT: Preparation and data collection for the experiment “Study of Halo Effects in the Scattering of ^{11}Li with Heavy Targets at Energies around the Coulomb Barrier” (E1104).

KEY: O: External user

CENTRE: Particle accelerators laboratory Centre de Recherches du Cyclotron (CRC), Université catholique de Louvain (UCL).

CITY: Louvain-la-Neuve COUNTRY: Belgium YEAR: 2008 DURATION:14 days
SUBJECT: Preparation and data collection for the experiment “Study of the cluster and molecular states in $^{10,11}\text{B}$ and $^{10,11}\text{C}$ with the $^7\text{Be}+^{6,7}\text{Li}$ reactions” (PH231).

KEY: O: External user

CENTRE: Particle accelerators laboratory TRIUMF, Canada’s National Laboratory for Particle and Nuclear Physics.

CITY: Vancouver COUNTRY: Canada YEAR: 2008 DURATION:9 days
SUBJECT: Preparation and data collection for the experiment “Study of Halo Effects in the Scattering of ^{11}Li with Heavy Targets at Energies around the Coulomb Barrier” (E1104).

KEY: O: External user

CENTRE: Particle accelerators laboratory LNS, Laboratori Nazionali del Sud.

CITY: Catania COUNTRY: Italy YEAR: 2009 DURATION:7 days
SUBJECT: Preparation and data collection for the experiment “Structure of light nuclei studied with $^7\text{Li}+^{6,7}\text{Li}$ reactions”.

KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accélérateur National d’Ions Lourds.

CITY: Caen COUNTRY: France YEAR: 2009 DURATION:11 days
SUBJECT: Preparation and data collection for the experiment “Study of the low lying states in ^{18}Na ” (E521aS).

KEY: O: External user

CENTRE: Particle accelerators laboratory TANDEM-ALTO, IPN-Orsay.

CITY: Paris COUNTRY: France YEAR: 2009 DURATION:5 days
SUBJECT: Preparation and data collection for the experiment “Beam Diagnostics: Diamond Detector for SPIRAL2”.

KEY: O: External user

CENTRE: Particle accelerators laboratory LNS, Laboratori Nazionali del Sud.

CITY: Catania COUNTRY: Italy YEAR: 2009 DURATION:5 days
SUBJECT: Preparation and data collection for the experiment “Test of FAZIA-Prototypes at LNS”.

KEY: O: External user

CENTRE: Particle accelerators laboratory LNL, Laboratori Nazionali di Legnaro.
CITY: Legnaro COUNTRY: Italy YEAR: 2009 DURATION:16 days
SUBJECT: Preparation and data collection for the experiment “Probing the $^{17}\text{F}+p$ potential by (p,p) and (p,p') reactions at near barrier energies”.
KEY: O: External user

CENTRE: Particle accelerators laboratory LNS, Laboratori Nazionali del Sud.
CITY: Catania COUNTRY: Italy YEAR: 2010 DURATION:5 days
SUBJECT: Preparation and data collection for the experiment “Elastic backscattering measurements for $^{6,7}\text{Li}+^{120}\text{Sn}$ and $^{6,7}\text{Li}+^{208}\text{Pb}$ at sub- and near-barrier energies”.
KEY: O: External user

CENTRE: Particle accelerators laboratory LNS, Laboratori Nazionali del Sud.
CITY: Catania COUNTRY: Italy YEAR: 2010 DURATION:6 days
SUBJECT: Preparation and data collection for the experiment “Study of ^{24}Mg resonances relevant for carbon burning nucleosynthesis”.
KEY: O: External user

CENTRE: Particle accelerators laboratory LNL, Laboratori Nazionali di Legnaro.
CITY: Legnaro COUNTRY: Italy YEAR: 2010 DURATION:11 days
SUBJECT: Preparation and data collection for the experiment “Reaction dynamics for the system $^7\text{Be}+^{58}\text{Ni}$ at near-barrier energies”.
KEY: O: External user

CENTRE: Particle accelerators laboratory TANDEM-ALTO IPN-Orsay.
CITY: Paris COUNTRY: France YEAR: 2010 DURATION:6 days
SUBJECT: Preparation and data collection for the experiment “Beam Diagnostics: Diamond Detector for SPIRAL2”.
KEY: O: External user

CENTRE: Particle accelerators laboratory RIKEN, Nishina Center.
CITY: Wako COUNTRY: Japan YEAR: 2010 DURATION:7 days
SUBJECT: Preparation and data collection for the experiment “Investigation of the structure of ^{10}He by missing mass measurement" (NP0811-RRC66).
KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accelérateur National d'Ions Lourds.
CITY: Caen COUNTRY: France YEAR: 2010 DURATION:23 days
SUBJECT: Preparation and data collection for the experiment “Near barrier scattering of ^8He with heavy targets” (E587S).
KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accelérateur National d'Ions Lourds.
CITY: Caen COUNTRY: France YEAR: 2010 DURATION:4 days
SUBJECT: Preparation and data collection for the experiment “Spectroscopy of neutron rich light nuclei decays of ^{16}C and ^5H unbound states” (E580S).
KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accelérateur National d'Ions Lourds.

CITY: Caen COUNTRY: France YEAR: 2011 DURATION:9 days

SUBJECT: Preparation and data collection for the experiment "Weakening of the Z=28 gap by the tensor force in neutron-rich copper isotopes" (E552).

KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accelérateur National d'Ions Lourds.

CITY: Caen COUNTRY: France YEAR: 2011 DURATION:8 days

SUBJECT: Study of experimental proposals with GANIL collaborators.

KEY: I

CENTRE: Particle accelerators laboratory TANDEM-ALTO IPN-Orsay.

CITY: Paris COUNTRY: France YEAR: 2011 DURATION:9 days

SUBJECT: Preparation and data collection for the experiment "Study of resonant states in ^{10}C , ^9B and ^{10}B and their impact on the cosmological lithium problem" (NS-I-38).

KEY: O: External user

CENTRE: Particle accelerators laboratory TANDEM-ALTO IPN-Orsay.

CITY: Paris COUNTRY: France YEAR: 2012 DURATION:9 days

SUBJECT: Preparation and data collection for the experiment "Test of HYDE/GASPARD".

KEY: O: External user

CENTRE: Particle accelerators laboratory LNL, Laboratori Nazionali di Legnaro.

CITY: Legnaro COUNTRY: Italy YEAR: 2012 DURATION:4 days

SUBJECT: Preparation and data collection for the experiment " $^8\text{B}+^{28}\text{Si}$ total reaction cross sections at near barrier energies".

KEY: O: External user

CENTRE: Particle accelerators laboratory TRIUMF, Canada's National Laboratory for Particle and Nuclear Physics.

CITY: Vancouver COUNTRY: Canada YEAR: 2012 DURATION:8 days

SUBJECT: Preparation and data collection for the experiment "Exploring Halo Effects in the Scattering of ^{11}Be on Heavy Targets" (S1202).

KEY: O: External user

CENTRE: Particle accelerators laboratory LNS, Laboratori Nazionali del Sud.

CITY: Catania COUNTRY: Italy YEAR: 2012 DURATION:11 days

SUBJECT: Preparation and data collection for the experiment "Commissioning study of FARCOS CsI(Tl) crystals".

KEY: O: External user

CENTRE: Particle accelerators laboratory GSI.

CITY: Darmstadt COUNTRY: Germany YEAR: 2012 DURATION:8 days

SUBJECT: Preparation of the experiment "Search for proton-unbound ^{69}Br , ^{73}Rb and ^{30}Ar isotopes with microstrip-detector tracking technique at FRS" (S388).

KEY: O: External user

CENTRE: Particle accelerators laboratory LNL, Laboratori Nazionali di Legnaro.
CITY: Legnaro COUNTRY: Italy YEAR: 2013 DURATION:5 days
SUBJECT: Preparation and data collection for the experiment “Elastic scattering and reaction dynamics of $^7\text{Be} + ^{28}\text{Si}$ at near barrier energies”.
KEY: O: External user

CENTRE: Particle accelerators laboratory LNL, Laboratori Nazionali di Legnaro.
CITY: Legnaro COUNTRY: Italy YEAR: 2014 DURATION:6 days
SUBJECT: Preparation and data collection for the experiment “Elastic scattering and breakup of $^8\text{B} + ^{208}\text{Pb}$ below barrier” (BELAST; Ref: 13.15).
KEY: O: External user

CENTRE: Particle accelerators laboratory GANIL, Grand Accelérateur National d'Ions Lourds.
CITY: Caen COUNTRY: France YEAR: 2014 DURATION:7 days
SUBJECT: Preparation and data collection for the experiment “Study of n-p pairing through two-nucleon transfer reactions” (E-644).
KEY: O: External user

CENTRE: Particle accelerators laboratory RIKEN, Nishina Center.
CITY: Wako COUNTRY: Japan YEAR: 2014 DURATION:12 days
SUBJECT: Preparation and data collection for the experiment “Dynamics of the ^8B interaction with ^{208}Pb at the Coulomb barrier” (NP0912-AVF8-1).
KEY: O: External user

CONTRIBUTIONS TO SCIENTIFIC CONFERENCES AND CONGRESSES

AUTHORS: **A. M. Sánchez-Benítez**, I. Martel and J. Gómez-Camacho.

TITLE: “Experimental study of elastic scattering of ^6He on ^{208}Pb at energies near the Coulomb barrier”

TYPE OF PARTICIPATION: Oral

EVENT: VIII Hispalensis International Summer School on Exotic Nuclear Physics.

PUBLICATION: –

VENUE: Seville, Spain

DATE: 09th-21th June 2003

AUTHORS: M.J.G. Borge, D. Escrig, J.M. Espino, J.E. García-Ramos, J. Gómez-Camacho, I. Martel, **A. M. Sánchez-Benítez** and O. Tengblad.

TITLE: “Exploring Dipole Polarizability in the scattering of halo nuclei”

TYPE OF PARTICIPATION: Poster

EVENT: International Nuclear Physics Conference.

PUBLICATION: Book of conference, pg 452

VENUE: Goteborg, Sweden.

DATE: 27th June - 02nd July 2004

AUTHORS: **A. M. Sánchez-Benítez** on behalf of PH189 collaboration.

TITLE: “Scattering of ^6He at energies around the Coulomb barrier”

TYPE OF PARTICIPATION: Oral.

EVENT: Direct Reactions with Exotic Beams 2005 Workshop.

PUBLICATION: –

VENUE: East Lansing, Michigan (EEUU).

DATE: 22nd-25th June 2005

AUTHORS: L. Acosta-Sánchez, M. A. G. Álvarez, **A. M. Sánchez-Benítez**, K. Rusek, A. Moro, D. Escrig, M. V. Andrés, C. Angulo, M. J. G. Borge, E. Casarejos, J. M. Espino, M. Freer, H. O. U. Fynbo, J. E. García-Ramos, J. Gómez-Camacho, O. R. Kakuee, I. Martel, F. Pérez-Bernal, R. Raabe, J. Rahighi, O. Tengblad and P. Van Duppen for the PH215 Collaboration.

TITLE: “Angular distributions of elastic and break-up reactions in the scattering of ^6He on ^{208}Pb at 22 MeV”

TYPE OF PARTICIPATION: Poster.

EVENT: XV Colloque Ganil SPIRAL2.

PUBLICATION: –

VENUE: Giens, France.

DATE: 29th May - 2nd June 2006

AUTHORS: L. Acosta-Sánchez, M. A. G. Álvarez, I. Martel, F. Pérez-Bernal, K. Rusek and **A. M. Sánchez-Benítez** for the PH215 Collaboration.

TITLE: “Study of the elastic and reaction channels in the scattering of $^6\text{He} + ^{208}\text{Pb}$ at 22 MeV”

TYPE OF PARTICIPATION: Poster.

EVENT: Zakopane Conference On Nuclear Physics.

PUBLICATION: –

VENUE: Zakopane, Poland.

DATE: 4th-10th September 2006

AUTHORS: C. Angulo, M. Cogneau, M. Gaellens, M. Loiselet, G. Ryckewaert, D. Schumman and **A. M. Sánchez-Benítez**.

TITLE: **“Production of Beryllium Beams at Louvain-la-Neuve RIB Facility”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **ESF Exploratory workshop “Exotic Radionuclides from Accelerator Waste for Science and Technology” (ERAWAST).**

PUBLICATION: –

VENUE: **Paul Scherrer Institute (PSI), Villigen, Switzerland.**

DATE: **15th-17th**

November 2006

AUTHORS: A. Moro, M. J. G. Borge, D. Escrig, J. Gómez-Camacho, H. Jeppesen, I. Martel, K. Riisager and **A. M. Sánchez-Benítez**.

TITLE: **“Understanding nuclear reactions with exotic nuclei”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **“XXXI Bienal de Física”.**

PUBLICATION: Book of conference (ISBN:978-84-690-7298-1), Pag 262

VENUE: **Granada, Spain.**

DATE: **10th-14th September 2007**

AUTHORS: L. Acosta, M. A. G. Álvarez, **A. M. Sánchez-Benítez**, K. Rusek, A. M. Moro, D. Escrig, M. V. Andrés, C. Angulo, M. J. G. Borge, E. Casarejos, J. M. Espino, M. Freer, H. O. U. Fynbo, D. Galavitz, J. E. García-Ramos, J. Gómez-Camacho, O. R. Kakuee, I. Martel, F. Pérez-Bernal, R. Raabe, J. Rahighi, D. Rodríguez and O. Tengblad.

TITLE: **“Dispersión elástica y canales de reacción de núcleos con halo en torno a la barrera de Coulomb”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **“XXXI Bienal de Física”.**

PUBLICATION: Book of conference (ISBN:978-84-690-7298-1), Pag 251

VENUE: **Granada, Spain.**

DATE: **10th-14th September 2007**

AUTHORS: J. C. Dalouzy, L. Achouri, M. Aliotta, C. Angulo, H. Benhabiles, C. Borcea, R. Borcea, P. Bourgault, A. Buta, A. Coc, A. Damman, T. Davinson, F. de Grancey, F. de Oliveira Santos, N. de Séréville, J. Kiener, M. G. Pellegriti, F. Negoita, **A. M. Sánchez-Benítez**, O. Sorlin, M. Stanoiu, I. Stefan and P. J. Woods.

TITLE: **“Spectroscopy of ^{19}Ne : Seek of a new astrophysically important $1/2^+$ state”**

TYPE OF PARTICIPATION: **Poster.**

EVENT: **X Symposium on Nuclei in the Cosmos.**

PUBLICATION: –

VENUE: **Mackinac Island, Michigan, U.S.A.**

DATE: **27th July -1st August 2008**

AUTHORS: **A. M. Sánchez-Benítez**, C. Angulo, L. Acosta, N. Ashwood, D. Baye, E. Casarejos, N. Curtis, P. Descouvemont, T. Keutgen, I. Martel, A. Murphy, K. Rusek, J. Schweitzer, V. Scuderi, J. M. Sparenberg, T. Spillane and G. Terwagne.

TITLE: **“Experimental study of the charge symmetry of the nucleus-nucleus potential with medium-mass mirror elastic collisions”**

TYPE OF PARTICIPATION: **Poster.**

EVENT: **International Conference on Exotic Nuclei and Atomic Masses ENAM'08.**

PUBLICATION: –

VENUE: **Ryn, Poland.**

DATE: **7th-13th September 2008**

AUTHORS: I. Martel, L. Acosta, M. A. G. Álvarez, M.V. Andrés, C. Angulo, M. J. G. Borge, E. Casarejos, D. Escrig, J. Gómez-Camacho, A. M. Moro, F. Pérez-Bernal, K. Rusek, **A. M. Sánchez-Benítez** and O. Tengblad for the PH215 Collaboration.

TITLE: “Dynamical effects in the scattering of ^6He at energies around the Coulomb barrier”

TYPE OF PARTICIPATION: Poster.

EVENT: International Conference on Exotic Nuclei and Atomic Masses ENAM'08.

PUBLICATION: –

VENUE: Ryn, Poland.

DATE: 7th-13th September 2008

AUTHORS: **A. M. Sánchez-Benítez**.

TITLE: “Estudio experimental de la simetría de carga del potencial núcleo-núcleo a través de la dispersión elástica con núcleos espejo de masas intermedias”

TYPE OF PARTICIPATION: Oral.

EVENT: III Encuentros de Física Nuclear. Red Española de Física Nuclear.

PUBLICATION: –

VENUE: Santiago de Compostela, Spain.

DATE: 17th-19th September 2008

AUTHORS: **A. M. Sánchez-Benítez** on behalf of PH215 and IS444 collaborations.

TITLE: “Study of the scattering of the halo nuclei ^6He and ^{11}Be around the Coulomb barrier energies”

TYPE OF PARTICIPATION: Oral.

EVENT: Direct Reactions with Exotic Beams 2009 Workshop.

PUBLICATION: –

VENUE: Tallahassee, Florida (U.S.A.).

DATE: 16th-19th December 2009

AUTHORS: **A. M. Sánchez-Benítez**.

TITLE: “Simulating HYDE detector”

TYPE OF PARTICIPATION: Oral.

EVENT: I Joint GASPARD-HYDE meeting.

PUBLICATION: –

VENUE: Barcelona, Spain.

DATE: 11st-13th January 2010

AUTHORS: **A. M. Sánchez-Benítez**.

TITLE: “Simulating HYDE detector”

TYPE OF PARTICIPATION: Oral.

EVENT: HISPEC-DESPEC GSI meeting.

PUBLICATION: –

VENUE: GSI, Darmstadt, Germany.

DATE: 1st-2nd March 2010

AUTHORS: I. Martel, L. Acosta, R. Berjillos, A. Berjillos, A. Czermak, J. Duenas, J. L. Flores, J. A. Gómez-Galán, R. Jiménez-Naharro, J. A. Labrador, G. Marquínez, **A. Sánchez-Benítez**, V. Parkar .

TITLE: “Recent progress in HYDE and GASPARD detectors”

TYPE OF PARTICIPATION: Oral.

EVENT: DAE Symposium on Nuclear Physics, 2010.

PUBLICATION: www.sympnp.org/proceedings, Vol 55

VENUE: New Delhi, India.

DATE: 20th-24th December 2010

AUTHORS: **A. M. Sánchez-Benítez.**

TITLE: “Study of the $^{18}\text{F}(\text{p},\alpha)^{15}\text{O}$ reaction at low collision energies”

TYPE OF PARTICIPATION: Oral.

EVENT: Workshop on reactions of astrophysical interest-EXNUC.

PUBLICATION: –

VENUE: Madrid, Spain.

DATE: 27th-29th March 2011

AUTHORS: V. V. Parkar, G. Marquínez-Durán, I. Martel, **A. M. Sánchez-Benítez**, R. Berjillos, J. Duenás, L. Acosta, K. Rusek, M. A. G. Álvarez, J. Gómez-Camacho, M. J. G. Borge, C. Cruz, M. Cubero, V. Pesudo, O. Tengblad, A. Chbihi, J. P. Fernández-García, B. Fernández-Martínez, J. A. Labrador, A. H. Ziad, J. L. Flores, N. Keeley, L. Standylo, I. Strojek, M. Marques, M. Mazzocco, A. Pakou, N. Patronis, D. Pierroutsakou, R. Silvestri, R. Raabe, N. Soic, R. Wolski

TITLE: “Fusion of ^8He with ^{206}Pb around Coulomb barrier energies”

TYPE OF PARTICIPATION: Poster.

EVENT: Advances in Radioactive Isotope Science - ARIS 2011 .

PUBLICATION: –

VENUE: Leuven, Belgium.

DATE: 29th May - 3rd June 2011

AUTHORS: A. Matta, D. Beaumel, H. Otsu, N. Aoi, M. Assié, H. Baba, S. Boissinot, R. Chen, F. Delaunay, N. DeSéréville, S. Franchoo, J. Gibelin, F. Hammache, H. Wang, N. Imai, N. Kobayashi, T. Kubo, Y. Kondo, Y. Kawada, V. Lapoux, J. Lee, N. Mizuki, T. Motobayashi, T. Nakamura, L. Nalpas, E. Nikolskii, A. Obertelli, E. Pollaco, T. Sako, H. Sakurai, **A. Sánchez-Benítez**, J. A. Scarpaci, I. Stefan, D. Suzuki, T. Koutarou, M. Takechi, S. Takeuchi, R. Wolski, K. Yoneda.

TITLE: “Nuclear spectroscopy of ^{10}He by $^{11}\text{Li}(\text{d},^3\text{He})$ transfer reaction”

TYPE OF PARTICIPATION: Poster.

EVENT: Advances in Radioactive Isotope Science - ARIS 2011 .

PUBLICATION: –

VENUE: Leuven, Belgium.

DATE: 29th May - 3rd June 2011

AUTHORS: J. P. Fernández-García, M. Cubero, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, C. A. Diget, B. Fulton, D. Galaviz, J. Gómez-Camacho, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “Breakup of ^{11}Li on ^{208}Pb at energies around the Coulomb barrier”

TYPE OF PARTICIPATION: Poster.

EVENT: Advances in Radioactive Isotope Science - ARIS 2011 .

PUBLICATION: –

VENUE: Leuven, Belgium.

DATE: 29th May - 3rd June 2011

AUTHORS: **A. M. Sánchez-Benítez.**

TITLE: “Simulating HYDE detector”

TYPE OF PARTICIPATION: Oral.

EVENT: II Joint GASPARD-HYDE meeting.

PUBLICATION: –

VENUE: Huelva, Spain.

DATE: 11th-13th July 2011

AUTHORS: M. Cubero, J. P. Fernández-García, L. Acosta, M. Alcorta, M. A. G. Álvarez, M. J. G. Borge, L. Buchmann, C. A. Diget, B. Fulton, D. Galaviz, J. Gómez-Camacho, J. A. Lay, M. Madurga, I. Martel, A. M. Moro, I. Mukha, T. Nilsson, **A. M. Sánchez-Benítez**, A. Shotter, O. Tengblad, P. Walden.

TITLE: “**Dynamic studies of ^{11}Li and its core ^9Li on lead near the Coulomb barrier**”

TYPE OF PARTICIPATION: **Poster.**

EVENT: **Direct Reactions with Exotic Beams DREB2012.**

PUBLICATION: –

VENUE: **Padua, Italy.**

DATE: **26th-29th March 2012**

AUTHORS: G. Marquínez-Durán, I. Martel, K. Rusek, **A. M. Sánchez-Benítez**, L. Acosta.

TITLE: “**Scattering of ^8He on ^{208}Pb at energies around the Coulomb barrier**”

TYPE OF PARTICIPATION: **Oral.**

EVENT: **Direct Reactions with Exotic Beams DREB2012.**

PUBLICATION: –

VENUE: **Padua, Italy.**

DATE: **26th-29th March 2012**

AUTHORS: P. Morfouace, S. Franchoo, M. Assié, F. Azaiez, D. Beaumel, S. Bossinot, R. Borcea, J. Burgunder, L. C'aceres, N. DeSéréville, Z. Dombradi, J. Elsevier, B. Fernández-Domínguez, A. Gilibert, S. Giron, S. Grévy, O. Kamalou, V. Lapoux, L. Lefebvre, A. Lepaileur, C. Louchart, G. Marquínez, I. Mattea, A. Matta, I. Martel-Bravo, D. Mengoni, L. Nalpas, D. Napoli, M. Nikura, F. Recchia, **A-M. Sánchez-Benítez**, J. A. Scarpaci, D. Sohler, O. Sorlin, M. Stanoiu, I. Stefan, C. Stodel, J-C. Thomas, Z. Vajta.

TITLE: “**Study of the $^{72}\text{Zn}(d, ^3\text{He})^{71}\text{Cu}$ transfer reaction**”

TYPE OF PARTICIPATION: **Poster.**

EVENT: **Nuclear Structure and Dynamics 2012.**

PUBLICATION: –

VENUE: **Opatija, Croatia.**

DATE: **9th-13th July 2012**

AUTHORS: **A. M. Sánchez-Benítez**, G. Marquínez-Durán, I. Martel, K. Rusek, L. Acosta.

TITLE: “**Scattering of ^8He on ^{208}Pb at energies around the Coulomb barrier**”

TYPE OF PARTICIPATION: **Oral.**

EVENT: **International Workshop on Nuclear Symmetry and Reaction Mechanisms ASY-EOS2012.**

PUBLICATION: **Proceedings,**

<https://agenda.infn.it/internalPage.py?pageld=9&confld=4761>, Pags: 101-104

VENUE: **Siracuse, Italy.**

DATE: **4th-7th September 2012**

AUTHORS: **A. M. Sánchez-Benítez**, I. Martel.

TITLE: “**GASPHYDE particle detectors and the new superconducting linac facility LRF-Huelva**”

TYPE OF PARTICIPATION: **Oral.**

EVENT: **International Workshop on Nuclear Symmetry and Reaction Mechanisms ASY-EOS2012.**

PUBLICATION: **Proceedings,**

<https://agenda.infn.it/internalPage.py?pageld=9&confld=4761>, Pags: 105-108

VENUE: **Siracuse, Italy.**

DATE: **4th-7th September 2012**

AUTHORS: **A. M. Sánchez-Benítez**

TITLE: **“Experimental Physics with exotic nuclei: R&D on instrumentation, spectroscopic and reaction studies”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **IV CPAN Days, 2012.**

PUBLICATION:

VENUE: **Granada, Spain.**

DATE: **26th-28th November 2012**

AUTHORS: V. V. Parkar, J. A. Dueñas, D. Mengoni, R. Berjillos, **A. M. Sánchez- Benítez**, I. Martel, L. M. Assié, D. Beaumel.

TITLE: **“Particle Identification using Digital Pulse Shape Analysis for new generation NTD Silicon detector arrays”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **DAE Symposium on Nuclear Physics, 2012.**

PUBLICATION: www.sympnp.org/proceedings, Vol 57

VENUE: **New Delhi, India.**

DATE: **3rd-7th December 2012**

AUTHORS: S. Benamara, N. de Séréville, P. Adsley, A. Laird, M. Assié, C. Barton, A. Coc, C. Diget, S. Fox, S. Franchoo, J. Guillot, F. Hammache, C. Hammadache, J. Kiener, B. Le Crom, L. Lefebvre, A. Lefebvre-Schuhl, G. Marquinez Duran, G. Mavilla, P. Morfouace, A. Mutschler, C. Nsangu, L. Perrot, N. Oulebsir, P. Roussel, **A. M. Sánchez- Benítez**, I. Stefan, D. Suzuki, V. Tatischeff, M. Vanderbrouck.

TITLE: **“Study of the $^{26}\text{Al}(n,p)^{26}\text{Mg}$ and $^{26}\text{Al}(n,\alpha)^{23}\text{Na}$ reactions using the $^{27}\text{Al}(p,p')^{27}\text{Al}$ inelastic scattering reaction”**

TYPE OF PARTICIPATION: **Poster.**

EVENT: **Nuclear Physics in Astrophysics VI.**

PUBLICATION:

VENUE: **Lisbon, Portugal.**

DATE: **19th-24th May 2013**

AUTHORS: P. Morfouace, S. Franchoo, M. Assié, F. Azaiez, D. Beaumel, S. Boissinot, C. Borcea, R. Borcea, J. Burgunder, L. Caceres, N. De Séréville, Z. Dombradi, J. Elsevier, B. Fernandez Dominguez, A. Gillibert, S. Giron, L. Grassi, S. Grévy, J. Guillot, F. Hammache, O. Kamalou, V. Lapoux, B. Le Crom, L. Lefebvre, A. Lepailleur, C. Louchart, G. Marquinez-Duran, I. Matea, A. Matta, I. Martel Bravo, D. Mengoni, A. Mutschler, L. Nalpas, D. Napoli, M. Niikura, C. Petrone, F. Recchia, F. Rotaru, **A. M. Sánchez- Benítez**, J-A Scarpaci, D. Sohler, O. Sorlin, M. Stanoiu, I. Stefan, C. Stodel, J-C. Thomas, Z. Vajta.

TITLE: **“Single-particle strength in 69,71 neutron-rich Cu”**

TYPE OF PARTICIPATION: **Poster.**

EVENT: **XXXIII Mazurian Lakes Conference on Physics.**

PUBLICATION:

VENUE: **Piaski, Poland.**

DATE: **1st-7th September 2013**

AUTHORS: **A. M. Sánchez-Benítez**, F. de Oliveira Santos.

TITLE: **“Physics opportunities @ SPIRAL”**

TYPE OF PARTICIPATION: **Oral.**

EVENT: **ACTAR TPC kickoff meeting.**

PUBLICATION:

VENUE: **Caen, France.**

DATE: **5th-7th November 2013**

AUTHORS: G. Marquínez-Durán, L. Acosta, R. Berjillos, J. A. Dueñas, J. A. Labrador, K. Rusek, **A. M. Sánchez-Benítez**, I. Martel.

TITLE: **“GLORIA: A compact detector system for studying heavy ion reactions using radioactive beams”**

TYPE OF PARTICIPATION: **Poster.**

EVENT: **International Workshop on Multi facets of Eos and Clustering.**

PUBLICATION:

VENUE: **Catania, Italy.**

DATE: **6th-9th May 2014**

ORGANIZATION OF SCIENTIFIC CONFERENCES AND CONGRESSES

Member of the local organizing committee for the workshop “The Linac Research Facility Basic Nuclear Physics and Applications” held in the Faculty of Experimental Sciences of the University of Huelva.

Organizer: University of Huelva.

Date: January 2012.

Member of the local organizing committee for the workshop “LRF-Huelva Technical Meeting” held in Hotel Barceló (Punta Umbría, Huelva).

Organizer: University of Huelva.

Date: March 2012.

EXPERIMENTS: PROPOSALS AND CONTRIBUTIONS

see also “SHORT STAYS IN CENTRES OUTSIDE SPAIN”

Exploring the dynamics of low energy ${}^6\text{He}$ elastic scattering on heavy targets, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: M.J.G. Borge, O. Tengblad, M.V. Andrés, J.M. Espino, J. Gómez-Camacho, I. Martel, F. Pérez-Bernal, **A. M. Sánchez-Benítez**, C. Angulo, G. Tabacaru, P. Van Duppen, M. Gulino, M. Huyse, N. Clarke, M. Freer, M. Lattuada, C. Spitaleri and S. Cherubini. December 2001.

Study of the elastic scattering of ${}^6\text{He}$ at energies around the Coulomb barrier, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: M.V. Andrés, C. Angulo, M.J.G. Borge, D. Escrig, J.M. Espino, M. Freer, H. Fynbo, J.E. García-Ramos, J. Gómez-Camacho, O.R. Kakuee, I. Martel, R. Raabe, J. Rahighi, **A. M. Sánchez-Benítez**, O. Tengblad and P. Van Duppen. December 2003.

Study of the halo state ${}^6\text{Li}^*$ ($0^+, T=1$), Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: C. Angulo, E. Casarejos, T. Davinson, L. Grigorenko, J. Gómez-Camacho, V.Z. Goldberg, M. Huyse, O. Ivanov, I. Martel, I. Mukha, J. Ponsaers, R. Raabe, **A. M. Sánchez-Benítez**, P. Van Duppen, O. Tengblad and P.J. Woods. January 2005.

Measurement of the ${}^6\text{He}$ β -delayed $\alpha+d$ emission branching ratio, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. M. Huyse, I. Mukha, O. Ivanov, J. Ponsaers, R. Raabe, D. Smirnov, J. C. Thomas, P. Van Duppen, C. Angulo, A. Ninane and **A. M. Sánchez-Benítez**. January 2005.

Study of ${}^7\text{He}$ and other exotic neutron-rich systems via the ${}^6\text{He}+d$ interaction, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: M. S. Golovkov, A. V. Gorshokov, S. V. Krupko, R. Wolski, C. Angulo, Th. Delbar, N. de Séreville, L. Acosta-Sánchez, I. Martel, **A. M. Sánchez-Benítez**, E. Casarejos, A. A. Korshennikov and K. Rusek. January 2006.

Charge symmetry breaking in elastic scattering involving ^{15}O and ^{15}N , Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: C. Angulo, Th. Delbar, Th. Keutgen, P. Leleux, N. de Seréville, D. Baye, P. Descouvemont, J. M. Sparenberg, L. Acosta-Sánchez, I. Martel, **A. M. Sánchez-Benítez**, N. L. Achouri, N. A. Orr, M. Freer, N. I. Ashwood, N. Curtis, O. R. Kakuee, J. Rahighi, A. S. Murphy, E. Casarejos, A. Di Pietro, P. Figuera and M. Lattuada. January 2006.

Preparation and data collection: **Study of the halo state $^6\text{Li}^*$ ($0^+, T=1$)** (PH-218). Spokespersons: Ivan Mukha (IKS Leuven) and Ismael Martel (Univ. of Huelva). Laboratory CRC, Louvain-la-Neuve, Belgium. March 2006.

Preparation and data collection: **Study of ^{18}Ne (α, p) reaction** (PH-225). Spokesperson: Thomas Davinson (Univ. of Edinburgh). Laboratory CRC, Louvain-la-Neuve, Belgium. April and June 2006.

Preparation and data collection: **Complete measurement of direct reactions at sub-barrier energies: A first case $^6\text{He}+\text{U}$** (PH-191). Spokesperson: Jean Luc Sida, DAP-NIA/SPhN, CEA Saclay, France. Laboratory CRC, Louvain-la-Neuve, Belgium. October 2006.

Preparation and data collection: **Spectroscopy of ^{19}Ne by Inelastic Scattering** (PH-221). Spokesperson: Francois de Oliveira Santos, CNRS-GANIL, France. Laboratory CRC, Louvain-la-Neuve, Belgium. November 2006.

Study of the cluster and molecular states in $^{10,11}\text{B}$ and $^{10,11}\text{C}$ with the $^7\text{Be}+^{6,7}\text{Li}$ reactions, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: M. Milin, M. Majer, M. Uroić, D. Miljanić, S. Blagus, N. Soić, S. Szilner, M. Zadro, C. Angulo, Th. Keutgen, **A. M. Sánchez-Benítez**, L. Acosta-Sánchez, D. Rodríguez, I. Martel, A. Di Pietro, P. Figuera, M. Lattuada and A. Musumarra. January 2007.

The low energy S-factor of $^{18}\text{F}(p, \alpha)^{15}\text{O}$, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: C. Angulo, A. Damman, Th. Delbar, Th. Keutgen, **A. M. Sánchez-Benítez**, A. S. Murphy, M. Aliotta, T. Davinson, H. Jianjun, P. J. Woods and P. Descouvemont. January 2007.

Preparation and data collection: **Study of ^{19}Ne states near the $^{18}\text{F}+p$ threshold** (PH-224). Spokesperson: Thomas Davinson (Univ. of Edinburgh). Laboratory CRC, Louvain-la-Neuve, Belgium. March 2007.

Measurement of reaction channels for sub-barrier ^6He energies by activation method, Proposal for the PAC of the laboratory CRC, Louvain-la-Neuve, Belgium. Authors: C. Angulo, **A. M. Sánchez-Benítez**, I. Martel, L. Acosta-Sánchez, F. Pérez-Bernal, J. L. Sida, C. Signorini, A. Navin, M. Rejmund, A. Lemasson, R. Wolski, V. I. Chipigin and M. Romoli. June 2007.

Preparation and data collection: **Study of the cluster states in ^{10}Be and ^{11}C using the resonant scattering approach** (PH-216). Spokesperson: Martin Freer (Univ. of Birmingham). Laboratory CRC, Louvain-la-Neuve, Belgium. June 2007.

Near barrier scattering of ^8He with heavy targets, Proposal for the PAC of the laboratory GANIL, Caen, France. Authors: I. Martel, K. Rusek, , N. Keeley, L. Standlyo, I. Strojek, P. Roussel-Chomaz, R. Raabe, A. Chbihi, A. Lemasson, A. Shrivastava, L. Acosta, J. Duenñas, R. Berjillos, **A. M. Sánchez-Benítez**, M. Veselsky, G. Verde, P. Russotto, D. Beaumel, A. Moro, J. Gómez-Camacho, M. A. G. Álvarez, M. J. G. Borge y O. Tengblad, N. Alamanos and A. Pakou. December 2008.

Search for proton-unbound ^{69}Br , ^{73}Rb and ^{30}Ar isotopes with microstrip-detector tracking technique at FRS, Proposal for the PAC of the laboratory GSI, Darmstadt, Germany. Authors: T. Aumann, L. Acosta, M. A. G. Álvarez, R. Berjillos, P. Boutachkov, E. Casarejos, A. Chatillon, D. Cortina-Gil, J. Dueñas, J. M. Espino, A. Fomichev, J. E. García-Ramos, H. Geissel, J. Gómez-Camacho, L. Grigorenco, M. Heil, D. Jenkins, A. Kelic, O. Kiselev, A. Korshennikov, N. Kurz, Yu. Litvinov, I. Martel, I. Mukha, C. Nociforo, M. Pfützner, E. C. Pollacco, E. Roeckl, **A. M. Sánchez-Benítez**, H. Schatz, C. Scheidenberger, B. Streicher, K. Sümmerer, O. Tarasov, H. Weick and P. Woods. January 2009.

Detailed study of the reaction dynamics for the systems $^{7,10}\text{Be}+^{208}\text{Pb}$ at energies around the Coulomb barrier, Proposal for the PAC of the laboratory ORNL, Tennessee, EE. UU. Authors: M. La Commara, C. Signorini, A. Guglielmetti, G. Inglima, C. Mazzocchi, M. Mazzocco, P. Molini, C. Parascandolo, D. Pierroutsakou, M. Romoli, M. Sandoli, F. Soramel, L. Fortunato, A. Mason, A. Vitturi, F. Liang, D. Shapira, R. Varner, T. Glodariu, L. Stroe, D. Filipescu, I. Martel, **A. M. Sánchez-Benítez**, J. Dueñas, L. Acosta, R. Berjillos. May 2009.

A detailed study of the $^{18}\text{F}(p,\alpha)^{15}\text{O}$ reaction at low collision energies, Proposal for the PAC of the laboratory ORNL, Tennessee, EE. UU. Authors: I. Martel, N. Soic, J. José, M. J. G. Borge, O. Tengblad, **A. M. Sánchez-Benítez**, J. Dueñas, L. Acosta, R. Berjillos, M. S. Smith, C. D. Nesaraja, R. L. Kozub, J. F. Shriner Jr, K. L. Jones, K. Y. Chae, S. T. Pittman, W. A. Peters, M. Matos, J. C. Blackmon, M. Freer, M. Milin, S. Szilner, D. Jelavic Malenica, M. Uroic, K. Rusek, N. Keeley. May 2009.

Probing the $^{17}\text{F}+p$ potential by (p,p) and (p,p') reactions at near barrier energies, Proposal for the PAC of the laboratory LNL, Legnaro, Italy. Authors: N. Patronis, A. Pakou, N. G. Nicolis, K. Zerva, I. Martel, L. Acosta, R. Berjillos, J. Dueñas, **A. M. Sánchez-Benítez**, D. Pierroutsakou, M. Romoli, G. Inglima, M. La Commara, C. Parascandolo, M. Sandoli, E. Vardaci, M. Mazzocco, P. Molini, C. Signorini, F. Soramel, A. Guglielmetti, C. Mazzochi, N. Alamanos, K. Rusek, N. Keeley, A. Trzcinska, T. Glodariu, D. Filipescu, M. Kokkoris, E. Estiliaris. July 2009.

Study of ^{24}Mg resonances relevant for carbon burning nucleosynthesis, Proposal for the PAC of the laboratory LNS, Catania, Italy. Authors: N. Soić, S. Blagus, D. Jelavić Malenica, D. Miljanić, L. Prepolec, S. Szilner, M. Uroic, M. Milin, A. Di Pietro, P. Figuera, M. Fisichella, M. Lattuada, A. Musumarra, M. Pellegriti, V. Scuderi, E. Estrano, D. Torresi, N. Ashwood, N. Curtis, M. Freer, V. Ziman, I. Martel, **A. M. Sánchez-Benítez**, L. Acosta. July 2009.

Exploring halo effects in the scattering of ^{11}Be on heavy targets, Proposal for the PAC of the laboratory TRIUMF, Vancouver, Canada. Authors: M. J. G. Borge, J. Gómez-Camacho, I. Martel, O. Tengblad, J. P. Fernández-García, **A. M. Sánchez-Benítez**, P. Walden, A. Jungclaus, A. M. Moro, B. Fulton, H. Fynbo, I. Mukha, L. Acosta, M. A. G. Álvarez, A. Shotter, C. Ruiz, F. Sarazin, G. Hackman, K. Riisage, M. Alcorta, R. Kanungo, R. Raabe, T. Nilsson, L. Buchmann, G. Nyman, A. Di Pietro. November 2009.

Reaction dynamics for the system $^7\text{Be}+^{58}\text{Ni}$ at near-barrier energies, Proposal for the PAC of the laboratory LNL, Legnaro, Italy. Authors: M. Mazzocco, L. Acosta, R. Berjillos, J. Dueñas, F. Farinon, D. Filipescu, T. Glodariu, A. Guglielmetti, G. Inglima, M. Ivascu, M. La Commara, I. Martel, C. Mazzochi, P. Molini, A. Pakou, C. Parascandolo, N. Patronis, D. Pierroutsakou, M. Romoli, **A. M. Sánchez-Benítez**, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, L. Stroe, E. Vardaci, K. Zerva. January 2010.

Measurement of the missing nuclear structure properties of astrophysical importance in ^{19}Ne via a strongly improved inelastic scattering method, Proposal for the PAC of the laboratory GANIL, Caen, France. Authors: B. Bastin, F. De Oliveira, O. Sorlin, P. Ujic, E. Traykov, M. Rejmund, N. Alahari, C. Schmitt, A. Murphy, T. Davinson, A. Laird, A. Coc, N. de Séréville, M. Assié, F. Hammache, A. Lépine-Szily, P. Woods, J. Mrazek, M. Aliotta, **A. M. Sánchez-Benítez**, F. Negoita, F. Rotaru, M. Stanoiu, R. Borcea, C. Borcea, A. Buta, J. Kiener, H. Savajols, T. Roger, M. Rejmund, M. G. St Laurent, F. Farget, P. Delahaye, B. Jacquot, O. Kamalou, L. Achouri, B. Laurent, A. Chen. November 2011. *Preparation and data collection*: November 2013.

Investigation of the ^{19}Ne levels of astrophysical interest using $^{18}\text{Ne}(\text{d},\text{p})^{19}\text{Ne}$ reaction in inverse kinematics, Proposal for the PAC of the laboratory GANIL, Caen, France. Authors: **A. M. Sánchez-Benítez**, G. Marquínez Durán, J. Dueñas, R. Berjillos, J. L. Flores, F. Pizarro, A. Laird, B. Fulton, S. Fox, W. Catford, G. L. Wilson, I. C. Celik, A. D. Becerril, M. J. G. Borge, E. Nácher, A. Perea, O. Tengblad, N. Soic, L. Prepolec, V. Toric, M. Milin, K. Rusek, N. Keeley, J. Jose, D. Beaumel, N. de Séréville, D. Bardayan, R. Raabe. November 2011.

Preparation and data collection: **Exploring Dipole Polarizability of ^3He (FPCM114240044)**. Spokesperson: O. Tengblad, Instituto de Estructura de la Materia (CSIC Madrid, Spain). Centro de Micro Análisis de Materiales (CMAM), Madrid (Spain), November 2011.

Particles identification by means of digital pulse shape analysis in silicon detectors, Proposal for the PAC of the laboratory Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: J. A. Dueñas, I. Martel, **A. M. Sánchez-Benítez**, D. Mengoni, P. R. John, D. Bazzacco, S. Lunardi, E. Farnea, S. Lenzi, C. Michelagnoli, R. Menegazzo, F. Recchia, C. Ur, M. Assie, D. Beaumel, A. Gottardo, V. Modamio, J. J. Valiente-Dobón, G. De Angelis, D. R. Napoli. May 2012.

Transfer reactions at the neutron dripline with triton target, Proposal for the PAC of the laboratory ISOLDE (CERN), Geneva, Switzerland. Authors: M. J. G. Borge, H. O. U. Fynbo, J. Gómez-Camacho, J. Johansen, H. T. Johansson, B. Jonson, R. Krücken, I. Martel, A. Moro, D. Múcher, T. Nilsson, G. Nyman, R. Raabe, K. Riisager, **A. M. Sánchez-Benítez**, O. Tengblad, the T-REX collaboration. October 2012.

Breakup process for the system $^7\text{Be} + ^{208}\text{Pb}$ at Coulomb barrier energies, Proposal for the PAC of the laboratory Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: A. Boiano, C. Boiano, P. Di Meo, A. Guglielmetti, M. La Commara, M. Mazzocco, C. Manea, M. Nicoletto, C. Parascandolo, D. Pierroutsakou, C. Signorini, F. Soramel, E. Estrano, N. Toniolo, D. Torresi, L. Fortunato, H. Jia, D. Montanari, P. Lotti, A. Vitturi, D. Filipescu, I. Gheorghe, T. Glodiaru, T. Sava, L. Stroe, J. Grebosz, H. Miyatake, S. Jeong, Y. Watanabe, H. Yamaguchi, D. Khal, A. Pakou, O. Sgouros, V. Soukeras, K. Zerva, E. Stiliaris, I. Martel, G. Marquínez, **A. M. Sánchez-Benítez**. December 2012.

Study of Carbon-Carbon burning by measuring excitation function of the $^{20}\text{Ne} + ^4\text{He}$ resonant reactions., Proposal for the PAC of the laboratory Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: N. Soić, F. Enrico, L. Grassi, D. Jelavić Malenica, T. Mijatović, L. Prepolec, S. Szilner, V. Tokić, M. Uroić, M. Millin, L. Corradi, A. M. Stefanini, G. Montagnoli, D. Montanari, F. Scarlassara, M. Fisichella, A. Di Pietro, P. Figuera, M. Lattuada, L. Acosta, I. Martel, **A. Sánchez-Benítez**, S. Bailey, N. Curtis, M. Freer, Tz. Kokalova, J. Walshe, C. Wheldon. December 2012.

Pulse Shape Analysis studies for GASPARD-HYDE-TRACE, Proposal for the PAC of the laboratory TANDEM-ALTO, IPN-Orsay, Orsay, France. Authors: M. Assie, J. A. Duenñas, D. Mengoni, D. Beaumel, N. de Séréville, B. Le Crom, D. Suzuki, Y. Blumenfeld, J. Guillot, M. Chabot, B. Genolini, T. Faul, V. Le Ven, I. Martel, **A. M. Sánchez-Benítez**, A. Triossi, E. Pollaco, O. Sorlin, A. Shrivastava, V. Parkar. January 2013.

Preparation and data collection: **Ultra high precision measurement of ^{19}Ne half-life ($E658s$)**. Spokesperson: P. Ujic, Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia. Grand Accelérateur National d'Ions Lourds (GANIL), Caen (France), November 2013.

TECHNICAL PAPERS AND REPORTS

Book Chapter.“Spectroscopy of ^7He and ^{11}Be via $d(^8\text{He},t)^7\text{H}$ and $d(^{12}\text{Be},t)^{11}\text{Be}$ reactions”. **RIKEN Accelerator Progress Report 2007, Vol: 41, Pag: 14**. Particle accelerators laboratory RIKEN, Nishina Center, Japan. Authors: E. Yu. Nikolskii, A. A. Korshennikov, H. Otsu, H. Suzuki, K. Yoneda, H. Baba, K. Yamada, Y. Kondo, N. Aoi, M. S. S. Golovkov, A. S. Fomichev, S. A. Krupko, M. Kurokawa, E. A. Kuzmin, I. Martel, W. Mittig, T. Motobayashi, T. Nakamura, M. Niikura, S. Nishimura, A. A. Ogloblin, P. Roussel-Chomaz, **A. M. Sánchez-Benítez**, Y. Satou, S. I. Sidorchuk, T. Suda, S. Takeuchi, K. Tanaka, G. M. Ter-Akopian, Y. Togano, M. Yamaguchi.

Book Chapter.“Search for ^7H in $^2\text{H} + ^8\text{He}$ collisions”. **RIKEN Accelerator Progress Report 2007, Vol: 41, Pag: 15**. Particle accelerators laboratory RIKEN, Nishina Center, Japan. Authors: E. Yu. Nikolskii, A. A. Korshennikov, H. Otsu, H. Suzuki, K. Yoneda, H. Baba, K. Yamada, Y. Kondo, N. Aoi, M. S. S. Golovkov, A. S. Fomichev, S. A. Krupko, M. Kurokawa, E. A. Kuzmin, I. Martel, W. Mittig, T. Motobayashi, T. Nakamura, M. Niikura, S. Nishimura, A. A. Ogloblin, P. Roussel-Chomaz, **A. M. Sánchez-Benítez**, Y. Satou, S. I. Sidorchuk, T. Suda, S. Takeuchi, K. Tanaka, G. M. Ter-Akopian, Y. Togano, M. Yamaguchi.

Technical report “Sistema de control remoto vía RS-232 de una fuente de tensión para sensores de radiación ionizante”. **Web site: Labview Corner, National Instruments Corp.** Date: 2010.

Book Chapter.“Nuclear Spectroscopy of neutron rich ^{10}He by $^{11}\text{Li}(d,^3\text{He})$ transfer reaction”. **RIKEN Accelerator Progress Report 2010, Vol: 44, Pag: 10**. Particle accelerators laboratory RIKEN, Nishina Center, Japan. Authors: A. Matta, D. Beaumel, H. Otsu, N. Aoi, M. Assie, H. Baba, S. Boissinot, R. Chen, F. Delaunay, N. DeSereville, S. Franchoo, J. Gibelin, F. Hammache, H. Wang, N. Imai, N. Kobayashi, T. Kubo, Y. Kondo, Y. Kawada, V. Lapoux, J. Lee, N. Mizuki, T. Motobayashi, T. Nakamura, L. Nalpas, E. Nikolski, A. Obertelli, E. Pollaco, T. Sako, H. Sakurai, **A. Sánchez-Benítez**, J-A. Scarpaci, I. Stefan, D. Suzuki, T. Koutarou, M. Takechi, S. Takeuchi, R. Wolski, K. Yoneda.

Book Chapter.“Design and Construction of Innovative Detector System for Particle Spectroscopy Using Accelerated Radioactive Beams”. **Spanish Science Industry (your reliable partner) -.- Particle Physics (ISBN:978-84-694-6761-9), Pag: 193-203**. Authors: R. Berjillos-Morente, G. Marquínez-Durán, D. Cruz-Fernández, L. Acosta, I. Martel, J. A. Gómez-Galán, **A. M. Sánchez-Benítez**, J. Dueñas, R. Jiménez-Naharro, M. Sánchez-Raya, M. Márquez, A. Berjillos. Date: 2011.

Book Chapter.“Probing the $^{17}\text{F} + \text{p}$ potential by elastic scattering at near barrier energies”. **INFN-LNL Annual Report 2011 (ISSN:1828-8545), Vol: 238, Pag: 41.** Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: A. Pakou, N. Patronis, D. Pierroutsakou, **A. Sánchez-Benítez**, L. Acosta, N. Alamanos, A. Boiano, G. Inglima, D. Filipescu, T. Glodariu, A. Guglielmetti, M. La Commara, G. Lalazissis, I. Martel, C. Mazzocchi, M. Mazzocco, P. Molini, C. Parascandolo, M. Sandoli, C. Signorini, R. Silvestri, F. Soramel, M. Romoli, E. Stiliaris, A. Trzcinska, K. Zerva, E. Vardaci, A. Vitturi.

Book Chapter.“Fusion Cross Sections of $^8\text{B} + ^{28}\text{Si}$ at near Barrier Energies”. **INFN-LNL Annual Report 2012 (ISSN:1828-8561), Vol: 239, Pag: 38.** Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: A. Pakou, E. Stiliaris, D. Pierroutsakou, N. Alamanos, A. Boiano, C. Boiano, D. Filipescu, T. Glodariu, G. Grebosz, A. Guglielmetti, M. La Commara, M. Mazzocco, C. Parascandolo, K. Rusek, **A. Sánchez-Benítez**, C. Signorini, O. Sgouros, F. Soramel, V. Soukeras, E. Strano, L. Stroe, N. Toniolo, D. Torresi, K. Zerva.

Book Chapter.“Energy Reconstruction from PileUp Events”. **INFN-LNL Annual Report 2012 (ISSN:1828-8561), Vol: 239, Pag: 84.** Laboratori Nazionali di Legnaro (LNL), Legnaro, Italy. Authors: E. Stiliaris, A. Pakou, D. Pierroutsakou, N. Alamanos, A. Boiano, C. Boiano, D. Filipescu, T. Glodariu, G. Grebosz, A. Guglielmetti, M. La Commara, M. Mazzocco, C. Parascandolo, K. Rusek, **A. Sánchez-Benítez**, C. Signorini, O. Sgouros, F. Soramel, V. Soukeras, E. Strano, L. Stroe, N. Toniolo, D. Torresi, K. Zerva.

TEACHING EXPERIENCE

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Faculty of Experimental Sciences**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Physics**
DEGREE/PHD: **Degree in Environmental Sciences**
AUDIENCE: **First year students**
NUMBER OF HOURS: **90**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Faculty of Experimental Sciences**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Energy**
DEGREE/PHD: **Degree in Environmental Sciences**
AUDIENCE: **Third year students**
NUMBER OF HOURS: **7.5**
MAIN CONTENTS: **Field contents**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Technical Forest Engineering (Majoring in forest exploitation)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **40**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Fundamentals of Physics for Engineers in Computing**
DEGREE/PHD: **Technical Engineering in Management Computing**
AUDIENCE: **Primer curso**
NUMBER OF HOURS: **11.25**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Fundamentals of Physics for Engineers in Computing**
DEGREE/PHD: **Technical Computer Systems Engineering**
AUDIENCE: **First year students**
NUMBER OF HOURS: **11.25**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Physics in New Technologies**
DEGREE/PHD: **Technical Computer Systems Engineering**
AUDIENCE: **First year students**
NUMBER OF HOURS: **78.75**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2000-2001**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Chemists Engineer**
AUDIENCE: **First year students**
NUMBER OF HOURS: **8**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2003-2004**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Electronics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10 + 15 + 20**
MAIN CONTENTS: **Problems solving, field contents, Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2004-2005**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Electronics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **15**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2007-2008**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Electronics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2007-2008**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Mechanics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **35**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2007-2008**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Chemistry”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **5**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Faculty of Experimental Sciences**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2007-2008**
COURSE TITLE: **Physics**
DEGREE/PHD: **Degree in Chemistry**
AUDIENCE: **First year students**
NUMBER OF HOURS: **15**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Faculty of Experimental Sciences**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2007-2008**
COURSE TITLE: **Physics**
DEGREE/PHD: **Degree in Environmental Sciences**
AUDIENCE: **First year students**
NUMBER OF HOURS: **25**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2008-2009**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Electronics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2008-2009**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Mechanics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **30 (Theor+Prob) + 70 (Lab)**
MAIN CONTENTS: **Theory, Problems solving, Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2008-2009**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Technical Forest Engineering (Majoring in forest exploitation)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10 (Prob) + 50 (Lab)**
MAIN CONTENTS: **Theory, Problems solving, Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2008-2009**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Technical Forest Engineering**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Problems solving, Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Department of Applied Physics**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2008-2009**
COURSE TITLE: **Particle Accelerators Technology**
DEGREE/PHD: **Master in Nuclear Technology and Instrumentation**
AUDIENCE: **Degree, Engineer**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2009-2010**
COURSE TITLE: **Advanced Physics**
DEGREE/PHD: **Mining Technical Engineering**
AUDIENCE: **Second year students**
NUMBER OF HOURS: **35 (Theor+Prob)**
MAIN CONTENTS: **Theory, Problems solving**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2009-2010**
COURSE TITLE: **Fundamentals of Physics for Engineers**
DEGREE/PHD: **Industrial Engineering (Majoring in “Industrial Mechanics”)**
AUDIENCE: **First year students**
NUMBER OF HOURS: **35 (Theor+Prob)**
MAIN CONTENTS: **Theory, Problems solving**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Department of Applied Physics**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2009-2010**
COURSE TITLE: **Particle Accelerators Technology**
DEGREE/PHD: **Master in Nuclear Technology and Instrumentation**
AUDIENCE: **Degree, Engineer**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Department of Applied Physics**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2010-2011**
COURSE TITLE: **Particle Accelerators Technology**
DEGREE/PHD: **Master in Nuclear Technology and Instrumentation**
AUDIENCE: **Degree, Engineer**
NUMBER OF HOURS: **25**
MAIN CONTENTS: **Theory (10), Practice (15)**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2010-2011**
COURSE TITLE: **Advanced Physics**
DEGREE/PHD: **Mining Technical Engineering**
AUDIENCE: **Second year students**
NUMBER OF HOURS: **35 (Theor+Prob)**
MAIN CONTENTS: **Theory, Problems solving**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2010-2011**
COURSE TITLE: **Nuclear Atomic Technology**
DEGREE/PHD: **Industrial Engineering**
AUDIENCE: **Fifth year students**
NUMBER OF HOURS: **15**
MAIN CONTENTS: **Laboratory practice**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2010-2011**
COURSE TITLE: **Physics II**
DEGREE/PHD: **Degree in Industrial Electronic Engineering**
AUDIENCE: **First year students**
NUMBER OF HOURS: **5**
MAIN CONTENTS: **Theory**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **Department of Applied Physics**
CITY: **Huelva** COUNTRY: **Spain** YEAR: **2011-2012**
COURSE TITLE: **Particle Accelerators Technology**
DEGREE/PHD: **Master in Nuclear Technology and Instrumentation**
AUDIENCE: **Degree, Engineer**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Theory (7.5), Laboratory practice (2.5)**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2011-2012**
COURSE TITLE: **Nuclear Atomic Technology**
DEGREE/PHD: **Industrial Engineering**
AUDIENCE: **Fifth year students**
NUMBER OF HOURS: **45**
MAIN CONTENTS: **Theory (30), Laboratory practice (15)**

CENTRE: **University of Huelva**
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: **“La Rábida” Engineering School**
CITY: **Palos de la Frontera (Huelva)** COUNTRY: **Spain** YEAR: **2011-2012**
COURSE TITLE: **Physics II**
DEGREE/PHD: **Degree in Industrial Electronic Engineering**
AUDIENCE: **First year students**
NUMBER OF HOURS: **10**
MAIN CONTENTS: **Theory**

CENTRE: University of Seville
DEPARTMENT/FACULTY OR SCHOOL/INSTITUTE: Physics Faculty
CITY: Seville **COUNTRY: Spain** **YEAR: 2012-2013**
COURSE TITLE: Experimental data analysis of Nuclear Reactions
DEGREE/PHD: Interuniversity Master on Nuclear Physics
AUDIENCE: Degree, Engineer
NUMBER OF HOURS: 6
MAIN CONTENTS: Theory and Practice with PC

ACADEMIC SUPERVISION EXPERIENCE

- PhD Thesis

- TITLE: **Elastic scattering of ^8He by heavy targets at energies close to Coulomb barrier**

STUDENT: Gloria Marquínez Durán.

ADVISORS: Ismael Martel Bravo and **A. M. Sánchez-Benítez**.

UNIVERSITY: University of Huelva.

FRAMEWORK: PhD programme “Nuclear Technology and Instrumentation”, Research Line “Reactions, Structure and Elementary Particles”.

DATE: Ongoing (expected September 2014).

- Master Thesis

- TITLE: **Description of elastic scattering of heavy ions at low energies through semi-classical models for the reaction $^{208}\text{Pb}(^6\text{Li}, ^6\text{Li})^{208}\text{Pb}$.**

STUDENT: Daniel Parra Gómez.

ADVISORS: Ismael Martel Bravo and **A. M. Sánchez-Benítez**.

UNIVERSITY: University of Huelva.

FRAMEWORK: Master in “Nuclear Technology and Instrumentation”.

DATE: 21/12/2009.

- TITLE: **Elastic scattering of the system $^8\text{He}+^{208}\text{Pb}$ at the energy $E_{lab} = 22$ MeV**

STUDENT: Gloria Marquínez Durán.

ADVISORS: Ismael Martel Bravo and **A. M. Sánchez-Benítez**.

UNIVERSITY: University of Huelva.

FRAMEWORK: Master in “Nuclear Technology and Instrumentation”.

DATE: 19/12/2012.

- Master’s Technical Works

- TITLE: **Study of the elastic and inelastic scattering and reaction channels of the system $^9\text{Be} + \text{p}$ at the energy $E_{lab} = 6$ MeV.**

STUDENT: Santiago Pino Santos.

ADVISORS: **A. M. Sánchez-Benítez** and L. A. Acosta-Sánchez.

UNIVERSITY: University of Huelva.

FRAMEWORK: Master in “Nuclear Technology and Instrumentation”.

DATE: 29/09/2010.

- TITLE: **Remote control system via serial port, ethernet and wifi for a MHV-4 Mesytec power source.**
 STUDENT: David Cruz Fernández.
 ADVISORS: J. A. Dueñas Díaz and **A. M. Sánchez-Benítez.**
 UNIVERSITY: University of Huelva.
 FRAMEWORK: Master in “Nuclear Technology and Instrumentation”.
 DATE: 01/11/2011.

- TITLE: **Implementación del sistema de detección SAND en medidas de ToF en el laboratorio del GEM y en el HJRJ, Huelva.**
 STUDENT: Martín Esteban Corrales Quesada.
 ADVISORS: **A. M. Sánchez-Benítez.**
 UNIVERSITY: University of Huelva.
 FRAMEWORK: Master in “Nuclear Technology and Instrumentation”.
 DATE: 13/12/2013.

- Bachelor Thesis

- TITLE: **Remote control system for slow parameters of a charged particle detection system.**
 STUDENT: David Cruz Fernández.
 ADVISORS: Ismael Martel Bravo and **A. M. Sánchez-Benítez.**
 UNIVERSITY: University of Huelva.
 FRAMEWORK: Technical Industrial Engineering Degree (Industrial Electronics).
 FACULTY/SCHOOL: “La Rábida” Engineering School.
 DATE: 09/12/2010.

ADDITIONAL TEACHING EXPERIENCE

a) Teaching material published with ISBN:

- Chapter entitled “Applying new technologies to teaching physics (Environmental Sciences Degree) in the ECTS framework” from the CD “Innovative teaching projects 2005”. Published by University of Huelva, 2006. ISBN: 84-608-0506-9. Authors: Miguel Carvajal Zaera, José Enrique García Ramos, Antonio Padilla Ollero, Francisco Pérez Bernal, José Rodríguez Quintero and **Ángel Miguel Sánchez Benítez**.

b) Virtualization of teaching material:

- Responsible for design and making the web site of the course “Advanced Physics” in second year “Technical Mining Engineering”.

c) Subsidised teaching projects:

- Teacher Training and Innovation Project 2004/05, as part of Huelva University’s IX Plan for the Innovation and Promotion of Teaching Activities “Using new technologies for teaching Physics (in Environmental Sciences Degree) in the ECTS framework”. Subsidy: 1500 Euros. Coordinator: D. Miguel Carvajal Zaera. Participants: D. José Enrique García Ramos, D. Antonio Padilla Ollero, D. Francisco Pérez Bernal, D. José Rodríguez Quintero y D. **Ángel Miguel Sánchez Benítez**. Centre: Department of Applied Physics, University of Huelva.
- Teacher Training and Innovation Project 2007/08, as part of Huelva University’s XII Plan for the Innovation and Promotion of Teaching Activities “Construction and development of a monochromatic high energy electron source for particle detectors calibration”. Subsidy: 600 Euros. Coordinator: D. Daniel Rodríguez Rubiales. Participants: D. José Enrique García Ramos, D. Francisco Pérez Bernal, D. José Rodríguez Quintero, D. Miguel Carvajal Zaera, y D. **Ángel Miguel Sánchez Benítez**. Centre: Department of Applied Physics, University of Huelva.
- Teacher Training and Innovation Project 2007/08, as part of Huelva University’s XII Plan for the Innovation and Promotion of Teaching Activities “Development of virtual tools for Fundamentals of Physics for Engineers in Industrial Engineering Majoring in Industrial Electronics”. Subsidy: 1080 Euros. Coordinator: D. Ismael Martel Bravo. Participants: D. Enrique Gutiérrez de San Miguel, D. Miguel Carvajal Zaera, D. Mario E. Gómez Santamaría, D. Francisco Pizarro Navarrete, D. Jesús González Labajo, D. José Duenãs Díaz y D. **Ángel Miguel Sánchez Benítez**. Centre: Department of Applied Physics, University of Huelva.
- Teacher Training and Innovation Project 2009/10, as part of Huelva University’s XIV Plan for the Innovation and Promotion of Teaching Activities “Getting familiar with the use of the scientific calculators; training for first year students of scientific and technological degrees”. Subsidy: 1000 Euros. Coordinator: D. **Ángel Miguel Sánchez Benítez**. Participants: D. Luis Armando Acosta Sánchez, D. José

Antonio Dueñas Díaz, D. Ismael Martel, Dña. Osiris Álvarez Bajo, D. Miguel Carvajal Zaera, D. Francisco Pérez Bernal, D. José Enrique García Ramos. Centre: Department of Applied Physics, University of Huelva.

- Teacher Training and Innovation Project 2009/10, as part of Huelva University's XIV Plan for the Innovation and Promotion of Teaching Activities "Physics in the context of Chemistry Degree: a divulgation task aiming to motivate students". Subsidy: 1000 Euros. Coordinator: D. Miguel Carvajal Zaera. Participants: D. José Antonio Dueñas Díaz, D. **Ángel Miguel Sánchez-Benítez**, Dña. Osiris Álvarez Bajo, D. Francisco Pérez Bernal, D. José Enrique García Ramos, D. José Rodríguez Quintero. Centre: Department of Applied Physics, University of Huelva.
- Teacher Training and Innovation Project 2010/11, as part of Huelva University's XV Plan for the Innovation and Promotion of Teaching Activities "Making documents with LATEX". Subsidy: 1000 Euros. Coordinator: José Antonio Dueñas Díaz. Participants: D. **Ángel Miguel Sánchez-Benítez**, D. Francisco Pérez Bernal, D. José Enrique García Ramos, D. José Rodríguez Quintero, D. Miguel Carvajal Zaera. Centre: Department of Applied Physics, University of Huelva.

d) Special actions for tutoring students:

- Tutor withing the programme "Programa Faro: Un plan de Acción Tutorial" of the University of Huelva. Dates: Academic years 2009/10, 2010/11.

OTHER RELEVANT MERITS WHICH THE CANDIDATE WISHES TO MENTION

● **TRANSFER OF TECHNOLOGY AND OUTREACH: EXHIBITIONS AND CONFERENCES**

- Participation, as the only instructor, in the interactive exhibition MATHEMATICAE, held at the Provincial Museum of Huelva.
Organizer: Huelva Organizing Committee for 2000 World Mathematical Year (C.O.A.M.M. 2000).
Date: March 2000.
- Participation in Huelva's 5th Business and Technological Fair within Huelva University's "Applied Physics development laboratory"
Organizer: Diputación de Huelva and Cadena SER.
Date: March 2009.
- Speaker at Popular Science conference cycle, presenting "Nuclear Science and Technology" held at the Secondary School Colón-Hermanos Maristas in Huelva.
Organizer: Centro Nacional de Física de Partículas, Astropartículas y Nuclear (CPAN-Ingenio2010).
Date: May 2012.
- Collaborator during academic year 2011 - 12 in the 11th Serie of Conferences of the Faculty of Experimental Sciences.
Organizer: Faculty of Experimental Sciences of the University of Huelva.
Date: Academic year 2011-12.
- Coordinator of guided visits to the Radiology division of the Hospital Juan Ramón Jiménez for students of "La Rábida" Engineering School (Univ. of Huelva).
Organizers: Hospital Juan Ramón Jiménez and University of Huelva.
Date: Academic years 2010-2011 and 2011-2012.

● **OTHER CONTRIBUTIONS**

- "Las simetrías de la Naturaleza y el núcleo atómico". Poster presented at the Huelva Science and Technology Week at Universidad de Huelva. Authors: J.E. García-Ramos and **A. M. Sánchez-Benítez**. November 2002.
- "El proyecto DINEX: estudio de la estructura de núcleos exóticos". Poster presented at the Huelva Science and Technology Week at Universidad de Huelva. Authors: I. Martel and **A. M. Sánchez-Benítez**. November 2002.
- "Medición de secciones eficaces en la dispersión de núcleos exóticos". Poster presented at the Huelva Science and Technology Week at Universidad de Huelva. Authors: I. Martel, L. Acosta-Sánchez, J.E. García-Ramos, F. Pérez-Bernal, J. Rodríguez-Quintero, M. Carvajal-Zaera, F. Pizarro-Navarrete, M. Gómez-Santamaría and **A. M. Sánchez-Benítez**. November 2005.

- “Estructura de la Materia”. Poster presented at the Huelva Science and Technology Week at Universidad de Huelva. Authors: I. Martel, L. Acosta-Sánchez, J.E. García-Ramos, M. Gómez-Santamaría, M. Carvajal-Zaera, F. Pérez-Bernal, F. Pizarro-Navarrete, J. Rodríguez-Quintero and **A. M. Sánchez-Benítez**. November 2005.

• COURSES AND SEMINARIES ATTENDED

PhD Courses programme “Applied Physics and Mathematics” 2000/02, University of Huelva.

- Heat transfer. Solar Energy. Result: Grade A.
- Dynamic systems and its bifurcations. Result: Grade C.
- General Relativity. Result: Grade A.
- Applied Acustics. Result: Grade A.
- Computational treatment of Physics Mathematical problems. Result: Grade A.
- Quantum Mechanichs Fundaments of Matter. Result: Grade A.
- Scientific Research Fundamentation. Study of numerical techniques for digital processing of images. Result: Grade A.

National and international meetings (see also “Contributions to Congresses”)

- “*CERN Accelerator School’s Intermediate Accelerator Physics*”. CERN Accelerator School. Seville (Spain), October 2001.
- “*XVIII Brussels meeting between astrophysicists and nuclear physicists*”. Université Libre de Bruxelles. Brussels (Belgium), December 2001.
- “*Nuclear Instrumentation*” organized by the Royal Physics Spanish Society/Nuclear Physics Specialized Group. Instituto de Física Corpuscular (CSIC). Valencia (Spain), February 2002.
- “*Nuclear Reactions and Scattering Quantum theory*” organized by the Royal Physics Spanish Society/Nuclear Physics Specialized Group. University of Seville. Seville (Spain), June 2002.
- “*II Seminar on prospectives of scientific and technological development at Centro Nacional de Aceleradores*”. Centro Nacional de Aceleradores. Seville (Spain), June 2002.
- “*2002 Euro Summer School on Exotic Beams*”. Euro Summer School on Exotic Beams. Les Houches (France), September 2002.
- “*2003 Euro Summer School on Exotic Beams*”. Euro Summer School on Exotic Beams. Valencia (Spain), September 2003.
- “*Workshop on Nuclear Reaction Data and Nuclear Reactors: Physics, Design and Safety*”. The Abdus Salam International Centre for Theoretical Physics. Trieste (Italy). 16th February - 12th March 2004.
- “*XXIII Brussels meeting between astrophysicists and nuclear physicists*”. Université Libre de Bruxelles. Brussels (Belgium), December 2006.

- “XXXII Mazurian Lakes conference of Physics”. Warsaw University. Piaski (Poland), September 2011.
- “VII Encuentros de Física Nuclear, La Rábida ”. Centro Nacional de Física de Partículas, Astropartículas y Nuclear (CPAN-Ingenio2010). Huelva (Spain), September 2012.
- “XVII Colloque GANIL”. Grand Accelérateur National d’Ions Lourds (GANIL). Port-en-Bessin (France), September 2013.
- “NAVI annual meeting 2013”. GSI Helmholtzzentrum für Schwerionenforschung. Darmstadt (Germany), December 2013.
- “ATHENA Brussels workshop on Astrophysics”. Université Libre de Bruxelles. Brussels (Belgium), February 2014.

Other courses

- “*Mecanografía (typing)*”.
Institution: *La Academia Práctica*.
Date: 1987.
Duration: 60 hours.
- “*dBASE III Plus, Redes Locales: Red Novell, Sistema Operativo MS-DOS, WORD STAR, LOTUS 1-2-3, Bases de Datos*”.
Institution: *Proisa: Centro de Formación y Servicios Informáticos*.
Date: 1992.
Duration: 120 hours.
- “*Curso de Aptitud Pedagógica (C.A.P.) (Teaching training course)*”.
Institution: *University of Huelva*.
Date: October 1999 - January 2000.
Duration: 180 hours.
- “*Administración de sistemas GNU/LINUX*”.
Institution: *University of Huelva*.
Date: March, April 2005.
Duration: 30 hours.
- “*III Jornadas prácticas de Moodle (Training in Digital Tools for Teaching)*”.
Institution: *University of Huelva*.
Date: 08-09/03/2012.
Duration: 8 hours.

Other seminars

- “*Seminario de Soleamiento*”.
Institution: *School of Architecture. University of Seville*.
Date: March 1993.
Duration: 6 hours.