

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

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Agnese Giaz CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	GAZ
NOME	AGNESE
DATA DI NASCITA	[10, 06, 1985]

INSERIRE IL PROPRIO CURRICULUM

WORK EXPERIENCE:

December 2016 - Present	Researcher (ricercatore tempo determinate tipo a)) Università degli studi di Padova <i>Developement of JUNO (Jiangmen Underground Neutrino Observatory) experiment electronics</i>
July 2015 – November 2016	Postdoctoral fellow (cofounded by CAEN s.p.a., Viareggio, Italy and INFN), Istituto Nazionale di Fisica Nucleare <i>Development of a scintillator detector integrated system for gamma spectroscopy.</i>
May 2015 – July 2015	Scientific and technical fellow The Henryk Niewodniczanski Institute of Nuclear Physics, Krakow, Poland <i>PARIS array characterization and proton beam on LaBr₃:Ce scintillators.</i>
May 2013–May 2015	Postdoctoral fellow (funded by NUPNET GANAS Project), Istituto Nazionale di Fisica Nucleare <i>Position sensitivity in continuous large volume crystals.</i>
2019- Present	Teacher, Università degli studi di Padova <i>General Physics course of biotechnology degree</i>
2017 - Present	Teacher, Università degli studi di Padova <i>Experiment in physics course of physics degree</i>
2017 - 2017	Teacher, Università degli studi di Padova <i>General Physics course of mechanical engineering degree</i>
2013 – 2016	Teaching assistant, Università degli Studi di Milano <i>Tutoring for the physics laboratory and statistic elements course of the physics degree</i>

2010–2012	Teaching assistant , Università degli Studi di Milano <i>Tutoring for the physics course of the biologics degree</i>
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OTHER TITLES:

2016 – Present	Reviewer of different papers <i>Nuclear Instruments and methods A and Transaction on Nuclear Science</i>
Febraury 2019	Teaching for learning course Università degli studi di Padova Active learning techniques 
July 2016 – November 2016	Local manager of CLYC experiment of CSN5 - Responsabile locale esperimento CLYC CSN5 Istituto Nazionale di Fisica Nucleare <i>Charaterization of CLYC scintillaltors</i>
April 2015	Spokesperson of Fast Neutron Detection with two CLYC Scintillators Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro
May 2011	Spokesperson of Isospin Mixing in the N=Z Nucleus 80Zr at Medium Temperature Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro

EDUCATION:

2010–2013	Doctor of Philosophy in Physics, Astrophysics and Applied Physics Università degli studi di Milano Thesis title: “Measurement of high-energy gamma rays to study the dynamical dipole emission and the isospin mixing” Tutor: Prof. Franco Camera Date of PhD graduation: 06/02/2013
2007–2009	Master degree in Physics Università degli Studi di Milano Thesis title: “Enhancing the capability for nuclear structure experiments with BaF ₂ detectors coupled to large array” Tutor: Prof. Franco Camera Co-Tutor: Prof. Angela Bracco 110/110 cum laude Date of master graduation: 02/07/2009
2004–2007	Bachelor degree in Physics Università degli Studi di Milano Thesis title: “Il problema della material oscura. (The dark matter problem)” Tutor: Prof. Luigi Galgani Co-tutor: Dr. Andrea Carati 104/110 Date of bachelor graduation: 24/07/2007
1999–2004	High school diploma, scientific curriculum Liceo Scientifico Statale “E. Fermi”, via Giovanni XXIII, Cantù (Co), Italy

87/100
Date of high school diploma: 28/06/2004

STUDENT SUPERVISION:

2016 Università degli studi di Milano	Master thesis co-supervisor "Misura dell'efficienza di rivelatori $LaBr_3$ di grandi dimensioni" Student: Giulia Gosta
2016 Università degli studi di Milano	Bachelor thesis co-supervisor "Misura della risposta ai neutroni di $AmBe$ con un $CLYC\ 2'' \times 2''$ " Student: Cristiana Fiscione
2016 Università degli studi di Milano	Bachelor thesis co-supervisor "Studio delle proprietà di uno scintillatore $C7LYC\ 2'' \times 2''$ " Student: Paolo Mezzani
2014 Università degli studi di Milano	Master thesis co-supervisor "In beam test of a $PARIS$ array cluster" Student: Alice Mentana
2014 Università degli studi di Milano	Bachelor thesis co-supervisor "Caratterizzazione di nuovi scintillatori: $GYGAG:Ce$, $CeBr_3$ e $SrI_2:Eu$ " Student: Vittorio Fossati
2014 Università degli studi di Milano	Master thesis co-supervisor "Isospin mixing at finite temperature in ^{80}Zr " Student: Simone Ceruti

ATTENDED SCHOOLS:

15-19/09/2014 Legnaro (PD), Italy	LNL course on digital electronics
03-08/06/2012 Firenze, Italy	III SNRI Seminario nazionale rivelatori innovativi (National seminar on innovative detectors) <i>Using of the most innovative detectors in nuclear and sub nuclear physics and in applied physics fields.</i>
19-25/09/2011 Varna, Bulgaria	XIX International school on nuclear physics, neutron physics and applications – 2011
04-10/09/2010 Santiago de Compostela, Spain	17th Euroschool on Exotic Beams
19-24/07/2010 Varenna (LC), Italy	International school of physics "Enrico Fermi", Corso CLXXVIII - From the Big Bang to the nucleosynthesis

PERSONAL SKILLS:

Languages:	<i>Native Italian speaker</i> <i>Fluent English (written and spoken) :</i>
	Study tours in England:

	• Isle of Wight, July 2002 • Study tours in England: London, July 2003
Communication skills:	Participation to large international projects, international schools, conferences, workshop and experiments with collaborators from Europe and others countries Several talks at international conferences and Popular science seminar and events.
Other skills:	Spokesperson of two nuclear physics experiment at the Legnaro National Laboratories of INFN; in that role, supervisor of the preparation of the experimental setup, and of the successful installation of the setup. <i>Electronics skills:</i> knowledge of FPGA and of VHDL programming languages <i>Business travel:</i> large experience with business trips, capability of planning a trip in a short time <i>Driving:</i> B license, obtained on October, 11 th 2003

COMPUTER SKILLS:

Operative systems and Microsoft Office:	Good knowledge of Microsoft Windows and of the most common programs, in particular good command of Microsoft Office <i>Certified knowledge: ECDL (European Computer Driving Licence) 08/04/2003, 7 exams.</i> Good knowledge of Linux systems
Programming languages:	Great flexibility in using different languages depending on the context and the objectives; in particular, C++ and ROOT libraries, FORTRAN, MATLAB, PYTHON
Other	Good knowledge of LaTeX

AWARDS:

Award 22-26/09/2014 Pisa (PI), Italy	1° Migliore comunicazione 2014, Sezione 1 - Fisica Nucleare e Subnucleare. First Place for the best presentation in nuclear and subnuclear physics session. <i>Misura dello spettro β del ^{138}La</i> 100° Congresso Nazionale – Società Italiana di Fisica
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OUTREACH:

Guide 2018-present	Guide of Laboratori Nazionali di Legnaro, Legnaro, Pd, Italy <i>Secondary school</i>
Popularizer 09-13/05/2019	Participation at Salone del libro di Torino <i>INFN stand</i>
Speaker 02/05/2019	Seminar at Planetarium di Padova <i>JUNO: a caccia di neutrini</i> <i>JUNO: the hunting of neutrino</i>
Guide September 2017	Participation at notte della ricerca (night of research) <i>science fair</i>

RESEARCH ACTIVITY:

My research field was in experimental nuclear physics and my research activity was mainly focused on two main topics. Regarding the first topic I contributed, with major responsibility, to the study of the giant dipole resonance in asymmetric fusion evaporation reactions to provide the information on the nuclear equation of state. Concerning the second topic, I worked on the R&D of new scintillator detectors for nuclear physics experiments to be used in different experimental set up, such as AGATA and GALILEO.

Now, I'm working in the neutrino physics field, in particular on the JUNO experiment electronics.

During my master thesis, I characterized an array of BaF₂ scintillators (called Helena array). The packing and the optical contact of each detector was re-done to improve the energy and time resolution of the detectors. The PMT and the voltage divider performances were accurately tested. An especially designed module for BaF₂ detectors (BAFPRO) was developed in the University of Milan and was tested with the Helena array. This array was used in two different experimental campaigns at Legnaro National Laboratories, Italy.

During my PhD, I worked on three different topics: 1) the analysis of the experiment data on the dynamical dipole emission in N/Z asymmetric reactions, 2) the proposal, the set-up preparation and the preliminary data analysis of an experiment focused on the measurement of the isospin mixing in ⁸⁰Zr, 3) the characterization of an array of large volume LaBr₃:Ce detectors.

The dynamical dipole emission was measured in ¹³²Ce using the fusion-evaporation reaction ¹⁶O + ¹¹⁶Sn at 12 MeV/nucleon. A N/Z asymmetry between the projectile and the target in heavy-ion fusion reactions is expected to form a time dependent dipole moment which is associated to a gamma radiation emission. This emission is called dynamical dipole. It is a pre-equilibrium emission and it allows to study the dynamic of the fusion process. As the reaction dynamics is related to the symmetry term of the nuclear equation of state, experimental data can provide strong constraints in its value. Theoretical calculation were also performed for the measured reaction and also for other cases with larger N/Z asymmetry between projectile and target.

The isospin mixing in ⁸⁰Zr was measured at T=2.4 MeV to study its dependence as a function of the temperature. I was the spokesperson of the experiment and I contributed to the preparation of the experimental setup which consisted on the AGATA array (an array of segmented HPGe detectors) and an array of large volume LaBr₃:Ce detectors. In particular, I worked on the characterization of the LaBr₃:Ce detectors. After the experiment, I contributed to the initial part of the data analysis which was focused to the individuation of the reaction channels. In the experiment, the module LABR-PRO (an NIM unit based on the previously developed BAFPRO) optimized for LaBr₃:Ce scintillator was first tested and then used.

The performances of large volume (3.5" x 8") LaBr₃:Ce detectors were studied in term of energy resolution and linearity from 5.6 keV up to 22 MeV. The signal shape was also studied as a function of the deposited energy. The response of the detectors (using LABRPRO unit and a digitizer) was also studied as a function of the count rate from few kHz up to 250 kHz.

During GANAS postdoctoral fellow I worked also on the position sensitivity of large volume LaBr₃:Ce. The position sensitivity was studied both in average and on event by event basis. The used detector was a 3" x 3" LaBr₃:Ce scintillator with reflective/diffusive surfaces. Furthermore the response of LaBr₃:Ce of a proton beam from 70 MeV up to 230 MeV was studied. The linear response of the detector is a very important parameter to obtain the proton quenching value, for this reason the non-linearity of the PMT was accurately studied. I also worked on the characterization of new scintillators, such as CLYC (Cs₂LiYCl₆), that are suitable for gamma and neutron detection, GYGAG, that is a ceramic scintillator, CeBr₃ and SrI₂:Eu. The β⁻-decay continuous spectrum of ¹³⁸La was measured exploiting the internal activity of LaBr₃:Ce detectors.

During my scientific and technical fellow in Krakow (Poland) I worked with the PARIS detectors characterization and I continued the measurements about the protons on a large volume LaBr₃:Ce. PARIS detectors are phoswich of LaBr₃:Ce and NaI and they were used in different experiments.

In the joint CAEN and INFN postdoctoral fellow worked on the digital processing of different kinds of scintillators detectors, such as LaBr₃:Ce, CLYC, BaF₂. I compared the performances of this detector, in term of time, energy resolution and pulse shape discrimination, with analog and digital processing methods. The activity was performed in collaboration with CAEN s.p.a. Viareggio, Italy. I worked in the characterization of CLYC scintillators in order to understand if they are suitable for nuclear physics experiments. I continued the measurements β⁻-decay continuous spectrum of ¹³⁸La, using an HPGe detector in coincidence with a LaBr₃:Ce to reduce the effect of the background.

I'm working on the Jiangmen Underground Neutrino Observatory (JUNO) experiment electronics. JUNO is based on a large liquid scintillator neutrino detector under construction in the south of China and its aim is the determination of

the neutrino mass hierarchy and the precise measurement of the oscillation parameters by detecting neutrinos emitted by nuclear power plants. In particular I'm working on the development and test of the first prototypes of the Global Control Unit (GCU) board. The core device of the GCU is in a FPGA that interfaces some custom made ASICs with free running ADC to convert PMT output signals, providing also additional features spanning from selective data readout and transmission to remote peripherals control. Furthermore I'm working on the set-up of a small JUNO demonstrator, composed of ~ 20 l of liquid scintillator and 48 small PMT ($2'' \times 2''$). This JUNO demonstrator is used to test the whole electronics chain and the trigger algorithms with signals coming from cosmic rays.

PUBLICATIONS:

The publication that are most relevant for my research work are indicated with a * near the number. Publications 1) – 9) are related to my research activity and most of the work was done by myself. Publications 10) and 11) are related to physics case in which my contribution was relevant. It was related to the experiment's preparation the experimental set up and part of the data analysis.

Regarding the other publications by contribution was related in particular to the preparation of the experimental set up.

*** 1) “Characterization of large volume 3.5”x8” LaBr₃:Ce detectors”**

A. Giaz, L. Pellegrini, S. Riboldi, F. Camera, N. Blasi, C. Boiano, A. Bracco, S. Brambilla, S. Ceruti, S. Coelli, F.C.L. Crespi, b, M. Csatlós, S. Frega, J. Gulyás, A. Krasznahorkay, S. Lodetti, B. Million, A. Owens, F. Quarati, 1, L. Stuhl, O. Wieland.

Nuclear Instruments and Methods in Physics Research A 729 (2013) 910–921

*** 2) “Measurement of dynamical dipole γ -ray emission in the N/Z-asymmetric fusion reaction O16+Sn116 at 12 MeV/nucleon”**

A. Giaz, A. Corsi, S. Barlini, V. L. Kravchuk, O. Wieland, M. Colonna, F. Camera, A. Bracco, R. Alba, G. Baiocco, L. Bardelli, G. Benzonni, M. Bini, N. Blasi, S. Brambilla, M. Bruno, G. Casini, M. Ciemala, M. Cinausero, F. C. L. Crespi, M. D'Agostino, M. Degerlier, M. Di Toro, F. Gramegna, M. Kmiecik, S. Leoni, C. Maiolino, A. Maj, T. Marchi, K. Mazurek, S. Myalski, B. Million, D. Montanari, L. Morelli, R. Nicolini, G. Pasquali, S. Piantelli, A. Ordine, G. Poggi, V. Rizzi, C. Rizzo, S. Sambri, D. Santonocito, and V. Vandone.

Physical Review C 90, (2014) 014609

*** 3) “Investigation on gamma-ray position sensitivity at 662 keV in a spectroscopic 3” x 3” LaBr₃:Ce scintillator”**

A. Giaz, F. Camera, F. Birocchi, N. Blasi, C. Boiano, S. Brambilla, S. Coelli, C. Fiorini, c, A. Marone, B. Million, S. Riboldi, b, O. Wieland.

Nuclear Instruments and Methods in Physics Research A 772 (2015) 103–111

*** 4) “Preliminary investigation of scintillator materials properties: SrI₂:Eu, CeBr₃ and GYGAG:Ce for gamma rays up to 9 MeV”**

A. Giaz, G. Hull, V. Fossati, N. Cherepy, F. Camera, N. Blasi, S. Brambilla, S. Coelli, B. Million and S. Riboldi.

Nuclear Instruments and Methods A 804, (2015), 212.

*** 5) “Measurement of β –decay continuum spectrum of ¹³⁸La”**

A. Giaz, G. Gosta, F. Camera, S. Riboldi, N. Blasi, A. Bracco, S. Brambilla and B. Million.

EPL (Europhysics Letters), 110, (2015), Number 4.

*** 6) “The CLYC-6 and CLYC-7 response to γ -rays, fast and thermal neutrons”**

A. Giaz, L. Pellegrini, F. Camera, N. Blasi, S. Brambilla, S. Ceruti, B. Million, S. Riboldi, C. Cazzaniga, G. Gorini, M. Nocente A. Pietropaolo, M. Pillon, M. Rebai, M. Tardocchi.

Nuclear Instruments and Methods, A 810, (2016), 132.

*** 7) “Fast neutron measurements with ⁷Li and ⁶Li enriched CLYC scintillators”**

A. Giaz, N. Blasi, C. Boiano, S. Brambilla, F. Camera, C. Cattadori, S. Ceruti, F. Gramegna, T. Marchi, I. Mattei, A. Mentana, B. Million, L. Pellegrini, M. Rebai, S. Riboldi, F. Salamida, M. Tardocchi

Nuclear Instruments and Methods, A 825, (2016), 51.

*** 8) “Measurement of β -decay continuum spectrum of ¹³⁸La”**

A. Giaz.

Nuovo Cimento della Societa Italiana di Fisica C, **38**, (2015), 62.

*** 9) “Position sensitivity in large spectroscopic LaBr₃:Ce crystals for Doppler broadening correction.”**

N. Blasi, A. Giaz, C. Boiano, S. Brambilla, F. Camera, B. Million, S. Riboldi.

Nuclear instruments & methods in physics research. SECTION A, 839, (2016), 23.

*** 10) “Measurement of isospin mixing at a finite temperature in ⁸⁰Zr via giant dipole resonance decay”**

A. Corsi, O. Wieland, S. Barlini, A. Bracco, F. Camera, V. L. Kravchuk, G. Baiocco, L. Bardelli, G. Benzoni, M. Bini, N. Blasi, S. Brambilla, M. Bruno, G. Casini, M. Ciemala, M. Cinausero, F. C. L. Crespi, M. D’Agostino, M. Degerlier, A. Giaz, F. Gramegna, M. Kmiecik, S. Leoni, A. Maj, T. Marchi, K. Mazurek, W. Meczynski, B. Million, D. Montanari, L. Morelli, S. Myalski, A. Nannini, R. Nicolini, G. Pasquali, G. Poggi, V. Vandone, and G. Vannini

Physical Review C **84**, 041304(R) (2011)

*** 11) “Isospin Mixing in Zr⁸⁰: From Finite to Zero Temperature”**

S. Ceruti, F. Camera, A. Bracco, R. Avigo, G. Benzoni, N. Blasi, G. Bocchi, S. Bottoni, S. Brambilla, F. C. L. Crespi, A. Giaz, S. Leoni, A. Mentana, B. Million, A. I. Morales, R. Nicolini, L. Pellegri, A. Pullia, S. Riboldi, O. Wieland, B. Birkenbach, D. Bazzacco, M. Ciemala, P. Désesquelles, J. Eberth, E. Farnea, A. Görgen, A. Gottardo, H. Hess, D. S. Judson, A. Jungclaus, M. Kmiecik, W. Korten, A. Maj, R. Menegazzo, D. Mengoni, C. Michelagnoli, V. Modamio, D. Montanari, S. Myalski, D. Napoli, B. Quintana, P. Reiter, F. Recchia, D. Rosso, E. Sahin, M. D. Salsac, P.-A. Söderström, O. Stezowski, Ch. Theisen, C. Ur, J. J. Valiente-Dobón, and M. Zieblinski.

Physics Review Letters **115**, (2015), 222502.

12) “Conceptual design and infrastructure for the installation of the first AGATA sub-array at LNL”

A. Gadea, E. Farnea, J. J. Valiente-Dobon, B. Million, D. Mengoni, D. Bazzacco, F. Recchia, A. Dewald, Th. Pissulla, W. Rother, G. de Angelis, ... A. Giaz et al.

Authors: 110

Nuclear Instruments and Methods in Physics Research A **654** (2011) 88–96

13) “AGATA—Advanced GammaTrackingArray”

S. Akkoyun, ... A. Giaz, et al.

Authors: 385

Nuclear Instruments and Methods in Physics Research A **668** (2012) 26–58

14) “Response of AGATA segmented HPGe detectors to gamma rays up to 15.1 MeV”

F. C. L. Crespi, R. Avigo, F. Camera, S. Akkoyun, A. Ataç, D. Bazzacco, M. Bellato, G. Benzoni, N. Blasi, D. Bortolato, S. Bottoni, b, A. Bracco, b, S. Brambilla, B. Bruyneel, S. Ceruti, b, M. Ciemala, S. Coelli, J. Eberth, C. Fanin, E. Farnea, A. Gadea, A. Giaz, A. Gottardo, f, H. Hess, M. Kmiecik, S. Leoni, b, A. Maj, D. Mengoni, C. Michelagnoli, B. Million, D. Montanari, R. Nicolini, b, L. Pellegri, b, F. Recchia, P. Reiter, S. Riboldi C. A. Ur, V. Vandone, J. J. Valiente-Dobon, O. Wieland, A. Wiens.

Nuclear Instruments and Methods in Physics Research A **705** (2013) 47–54

15) “Global properties of K hindrance probed by the γ decay of the warm rotating ¹⁷⁴W nucleus”

V. Vandone, S. Leoni, A. Giaz, B. Million, R. Nicolini, L. Pellegri, A. Pullia, O. Wieland, D. Bortolato, G. de Angelis, E. Calore, A. Gottardo, G. Maron, D. R. Napoli, D. Rosso, E. Sahin, J. J. Valiente-Dobon, D. Bazzacco, M. Bellato, E. Farnea, S. Lunardi, R. Menegazzo, D. Mengoni, P. Molini, C. Michelagnoli, D. Montanari, F. Recchia, C. A. Ur, A. Gadea, T. Hüyük, N. Cieplicka, A. Maj, M. Kmiecik, A. Atac, S. Akkoyun, A. Kaskas, P.-A. Söderström, B. Birkenbach, B. Cederwall, P. J. Coleman-Smith, D. M. Cullen, P. Désesquelles, J. Eberth, A. Görgen, J. Grebosz, H. Hess, D. Judson, A. Jungclaus, N. Karkour, P. Nolan, A. Obertelli, P. Reiter, M. D. Salsac, O. Stezowski, Ch. Theisen, M. Matsuo, and E. Vigezzi

Physical Review C **88**, (2013) 034312

16) “Identification and rejection of scattered neutrons in AGATA”

M. Şenyiğit, A. Ataç, S. Akkoyun, A. Kaşkaş, D. Bazzacco, J. Nyberg, F. Recchia, S. Brambilla, F. Camera, F. C. L. Crespi, E. Farnea, A. Giaz, A. Gottardo, R. Kempley, J. Ljungvall, D. Mengoni, C. Michelagnoli, B. Million, M. Palacz, L. Pellegri, S. Riboldi, E. Şahin, P. A. Söderström, J. J. Valiente Dobon.

Nuclear Instruments and Methods in Physics Research A **735** (2014) 267–276

17) “Development of a detector based on Silicon Drift Detectors for gamma-ray spectroscopy and imaging applications”

P. Busca, A. D. Butt, C. Fiorini, A. Marone, M. Occhipinti, R. Peloso, R. Quaglia, L. Bombelli, G. Giacomini, C. Piemonte, F. Camera, A. Giaz, B. Million, N. Nelms and B. Shortt

18) “Isospin Character of Low-Lying Pygmy Dipole States in Pb208 via Inelastic Scattering of O17 Ions”

F. C. L. Crespi, A. Bracco, R. Nicolini, D. Mengoni, L. Pellegri, E. G. Lanza, S. Leoni, A. Maj, M. Kmiecik, R. Avigo, G. Benzoni, N. Blasi, C. Boiano, S. Bottoni, S. Brambilla, F. Camera, S. Ceruti, A. Giaz, B. Million, A. I. Morales, V. Vandone, O. Wieland, P. Bednarczyk, M. Ciemala, J. Grebosz, M. Krzysiek, K. Mazurek, M. Zieblinski, D. Bazzacco, M. Bellato, B. Birkenbach, D. Bortolato, E. Calore, B. Cederwall, L. Charles, G. de Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, A. Görgen, A. Gottardo, R. Isocrate, J. Jolie, A. Jungclaus, N. Karkour, W. Korten, R. Menegazzo, C. Michelagnoli, P. Molini, D. R. Napoli, A. Pullia, F. Recchia, P. Reiter, D. Rosso, E. Sahin, M. D. Salsac, B. Siebeck, S. Siem, J. Simpson, P.-A. Söderström, O. Stezowski, Ch. Theisen, C. Ur, and J. J. Valiente-Dobón. Physics Review Letter 113, (2014) 012501.

19) “Pygmy dipole resonance in 124 Sn populated by inelastic scattering of 17 O”

L. Pellegri, A. Bracco, F.C.L. Crespi, S. Leoni, F. Camera, E.G. Lanza, M. Kmiecik, A. Maj, R. Avigo, G. Benzoni, N. Blasi, C. Boiano, S. Bottoni, S. Brambilla, S. Ceruti, A. Giaz, B. Million, A.I. Morales, R. Nicolini, V. Vandone, O. Wieland, D. Bazzacco, P. Bednarczyk, M. Bellato, B. Birkenbach, D. Bortolato, B. Cederwall, L. Charles, M. Ciemala, G. De Angelis, P. Désesquelles, J. Eberth, E. Farnea, A. Gadea, R. Gernhäuser, A. Görgen, A. Gottardo, J. Grebosz, H. Hess, R. Isocrate, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, M. Krzysiek, E. Litvinova, S. Lunardi, K. Mazurek, D. Mengoni, C. Michelagnoli, R. Menegazzo, P. Molini, D.R. Napoli, A. Pullia, B. Quintana, F. Recchia, P. Reiter, M.D. Salsac, B. Siebeck, S. Siem, J. Simpson, P.-A. Söderström, O. Stezowski, Ch. Theisen, C. Ur, J.J. Valiente Dobon, M. Zieblinski. Physics Letters B 738 (2014) 519–523

20) “Response of LaBr₃(Ce) scintillators to 14 MeV fusion neutrons”

C. Cazzaniga, M. Nocente, M. Tardocchi, M. Rebai, M. Pillon, F. Camera, A. Giaz, L. Pellegri, G. Gorini Nuclear Instruments and Methods in Physics Research A 778 (2015) 20–25

21) “Giant Dipole Resonance built on hot rotating nuclei produced during evaporation of light particles from 88Mo compound nucleus”

M. Ciemala, M. Kmiecik, A. Maj, K. Mazurek, A. Bracco, V.L. Kravchuk, G. Casini, S. Barlini, G. Baiocco, L. Bardelli, P. Bednarczyk, G. Benzoni, M. Bini, N. Blasi, S. Brambilla, M. Bruno, F. Camera, S. Carboni, M. Cinausero, A. Chbihi, M. Chiari, A. Corsi, F.C.L. Crespi, M. D’Agostino, M. Degerlier, B. Fornal, A. Giaz, F. Gramegna, M. Krzysiek, S. Leoni, T. Marchi, M. Matejska-Minda, I. Mazumdar, W. Meczynski, B. Million, D. Montanari, L. Morelli, S. Myalski, A. Nannini, R. Nicolini, G. Pasquali, S. Piantelli, G. Prete, O.J. Roberts, Ch. Schmitt, J. Styczen, B. Szpak, S. Valdré, B. Wasilewska, O. Wieland, J.P. Wieleczko, M. Zieblinski, J. Dudek, and N. Dinh Dang Physical Review C 91, (2015) 054313.

22) “Spectroscopy of the neutron-rich actinide nucleus U240 following multinucleon-transfer reactions”

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Phys. Rev. C 97, (2018) 024326.

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Phys. Rev. C 98, (2018) 014309.

40) “Fast neutron detection efficiency of 6Li and 7Li enriched CLYC scintillators using an Am-Be source”

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Journal of Instrumentation, 13, (2018).

41) “Millisecond 23/2+ isomers in the N=79 isotones 133Xe and 135Ba”

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Phys. Rev. C 98, (2018) 054312.

42) “Low-lying dipole response in the unstable 70Ni nucleus”

O. Wieland, A. Bracco, F. Camera, R. Avigo, H. Baba, N. Nakatsuka, T. Aumann, S. R. Banerjee, G. Benzoni, K. Boretzky, C. Caesar, S. Ceruti, S. Chen, F. C. L. Crespi, V. Derya, P. Doornenbal, N. Fukuda, A. Giaz, K. Ieki, N. Kobayashi, Y. Kondo, S. Koyama, T. Kubo, M. Matsushita, B. Million, T. Motobayashi, T. Nakamura, M. Nishimura, H. Otsu, T. Ozaki, A. T. Saito, H. Sakurai, H. Scheit, F. Schindler, P. Schrock, Y. Shiga, M. Shikata, S. Shimoura, D.

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Phys. Rev. C 98, (2018) 064313.

43) “Identification of high-spin proton configurations in ^{136}Ba and ^{137}Ba ”

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Phys. Rev. C 99, (2019) 014301.

44) “Study of the isospin symmetry in $^{60}\text{Zn}^*$ ”

G. Gosta, S. Ceruti, A. Mentana, M. Ciemala, F. Camera, A. Bracco, G. Benzoni, N. Blasi, G. Bocchi, S. Brambilla, F.C.L. Crespi, A. Giaz, S. Leoni, B. Million, O. Wieland, M. Kmiecik, A. Maj, B. Wasilewska, M. Ziębliński, D. Filipescu, D. Ghita, V. Zamfir, J.J. Valiente-Dobon, G. de Angelis, F. Galtarossa, A. Goasduff, G. Jaworski, D.R. Napoli. Testov, M. Siciliano, T. Marchi, D. Mengoni. Bazzacco, A. Boso, P.R. John, F. Recchia, R. Raabe, O. Poleschchuk, J. Yan.

Acta Physica Polonica B, 50, (2019) 481.

45) “Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability”

P.Lombardi, M.Montuschi, A.Formozov, A.Brigatti, S.Parmeggiano, R.Pompilio, W.Depnering, S.Franke, R.Gaigher, J.Joutsenvaara, A.Mengucci, E.Meroni, H.Steiger, F.Mantovani, G.Ranucci, G.Andronico, V.Antonelli, M.Baldoncini, M.Bellato, E.Bernier, R.Brugnera, A.Budano, M.Buscemi, S.Bussino, R.Caruso, D.Chiesa, C.Clementi, D.Corti, F.Dal Corso, X.F.Ding, S.Dusini, A.Fabbri, G.Fiorentini, R.Ford, G.Galet, A.Garfagnini, M.Giammarchi, A.Giaz, M.Grassi, A.Insolia, R.Isocrate, I.Lippi, Y.Malyshki, S.M.Mari, F.Marini, C.Martellini, A.Martini, M.Mezzetto, L.Miramonti, S.Monforte, P.Montini, M.Nastasi, F.Ortica, A.Paoloni, D.Pedretti, N.Pelliccia, E.Previtali, A.C.Re, B.Ricci, D.Riondino, A.Romani, P.Saggese, G.Salamanna, F.H.Sawy, G.Settanta, M.Sistii, C.Sirignano, L.Stanco, V.Strati, G.Verde, L.Votano.

Nuclear instruments & methods in physics research. SECTION A, 925, (2019), 6.

MOST RELEVANT CONFERENCE PROCEEDING:

In this section the most relevant conference proceedings are reported. The proceedings with peer review are reported and the proceedings with and associated DOI.

1) “A 16 Channel NIM Module for a complete processing of fast scintillator signals”

C. Boiano, R. Bassini, F. Camera, B. Million, O. Wieland, A. Giaz

IEEE Nuclear Science Symposium Conference Record, 2008. NSS’08, (2008), 2068 – 2070, DOI: 10.1109/NSSMIC.2008.4774893.

2) “Pulse Shape results of LaBr_3 and BaF_2 scintillator obtained with a 16 ch. fast analog stretcher module”

C. Boiano, F. Camera, S. Brambilla, F.Crespi, S. Frega, S. Riboldi, A. Giaz

IEEE Nuclear Science Symposium Conference Record, 2010. NSS’10, (2010), 268 – 270, DOI: 10.1109/NSSMIC.2010.5873761.

3) “Analysis and First Order Correction of Signal Saturation Effects in Photomultiplier Tubes for Improved Estimation of Interacting Radiation Energy in Lanthanum Bromide Scintillators”

Nives Blasi, Sergio Brambilla, Ciro Boiano, Franco Camera, A. Camplani, Fabio C.L. Crespi, Agnese Giaz, Benedicte Million, Roberto Nicolini, Luna Pellegrini, Stefano Riboldi, Oliver Wieland

IEEE Nuclear Science Symposium Conference Record, 2010. NSS’10, (2010), 1809 –1812, DOI: 10.1109/NSSMIC.2010.5874087.

4) “Active Voltage Divider for Improved Estimation of Interacting Radiation Energy with Photomultiplier Tubes Coupled to High Light Yield Scintillators”

Stefano Riboldi, Franco Camera, Nives Blasi, Sergio Brambilla, Ciro Boiano, Fabio C.L. Crespi, Agnese Giaz, Benedicte Million, Roberto Nicolini, Luna Pellegri, Oliver Wieland
IEEE Nuclear Science Symposium Conference Record, 2011. NSS'11, (2011), 776 – 778, DOI: 10.1109/NSSMIC.2011.6154296.

5) “Response of AGATA Segmented HPGe Detectors to Gamma-Rays up to 15.1 MeV”

F.C.L. Crespi, R. Avigo, F. Camera, G. Benzoni, N. Blasi, S. Bottoni, A. Bracco, S. Brambilla, P. Casati, F. Coniglio, A. Corsi, A. Giaz, S. Leoni, B. Million, R. Nicolini, L. Pellegri, S. Riboldi, V. Vandone, O. Wieland, S. Akkoyun, A. Atac, D. Bazzacco, M. Bellato, D. Bortolato, E. Calore, M. Ciemala, E. Farnea, A. Gadea, A. Gottardo, M. Kmiecik, A. Maj, D. Mengoni, C. Michelagnoli, D. Montanari, D.R. Napoli, J. Nyberg, F. Recchia, E. Sahin, P.-A. Soderstrom, C. Ur, J. J. Valiente Dobon and The AGATA Collaboration
IEEE Nuclear Science Symposium Conference Record, 2011. NSS'11, (2011), 1147 – 1149, DOI: 10.1109/NSSMIC.2011.6154591.

6) “Properties of a very large volume LaBr₃:Ce detector”

A. Giaz, L. Pellegri, S. Riboldi, F. Camera, N. Blasi, C. Boiano, S. Brambilla, S. Ceruti, F. C. L. Crespi, M. Csatlós, J. Gulyás, A. Krasznahorkay, S. Lodetti, B. Million, L. Stuhl, and O. Wieland.
IEEE Nuclear Science Symposium Conference Record, 2012. NSS'12, (2012), 331 – 334, DOI: 10.1109/NSSMIC.2012.6551119.

7) “Position sensitivity in a 3” × 3” LaBr₃:Ce scintillator”

A. Giaz, F. Camera, N. Blasi, C. Boiano, S. Brambilla, S. Coelli, B. Million, S. Riboldi, O. Wieland.
IEEE Nuclear Science Symposium Conference Record, 2013. NSS'13, (2013), 1 – 3, DOI: 10.1109/NSSMIC.2013.6829642.

8) “3” × 3” LaBr₃:Ce detector response to monochromatic protons”

A. Giaz, S. Brambilla, B. Szpak, M. Zieblinski, N. Blasi, C. Boiano, F. Camera, S. Ceruti, B. Million, S. Riboldi, O. Wieland, P. Bednarczyk, M. Ciemala, B. Fornal, M. Jastrzab, M. Kmiecik, M. Krzysiek, A. Maj, W. Meczynski, P. Napiorkowski.
IEEE Nuclear Science Symposium Conference Record, 2013. NSS'13, (2013), 1 – 4, DOI: 10.1109/NSSMIC.2013.6829648.

9) “Investigation of imaging and spectroscopy performances of a 1”×1” LaBr₃:Ce scintillator readout by Silicon Drift Detectors for nuclear physics measurements”

P. Busca, A.D. Butt, C. Fiorini, A. Marone, M. Occhipinti, R. Peloso, R. Quaglia, F. Camera, A. Giaz, B. Million, G. Giacomini, C. Piemonte.
IEEE Nuclear Science Symposium Conference Record, 2013. NSS'13, (2013), 1 – 4, DOI: 10.1109/NSSMIC.2013.6829807.

10) “Performances of a 1”×1” Cs₂LiYCl₆ scintillator detector”

L. Pellegri, E. Bizzarri, N. Blasi, F. Camera, A. Giaz, R. Avigo, C. Boiano, S. Brambilla, S. Ceruti, B. Million, S. Riboldi, O. Wieland.
IEEE Nuclear Science Symposium Conference Record, 2013. NSS'13, (2013), 1 – 3, DOI: 10.1109/NSSMIC.2013.6829614.

11) “Prompt high energy dipole gamma emission”

A. Corsi, A. Giaz, A. Bracco, F. Camera, F.C.L. Crespi, S. Leoni, R. Nicolini, V. Vandone, O. Wieland, G. Benzoni, N. Blasi, S. Brambilla, B. Million, S. Barlini, L. Bardelli, M. Bini, G. Casini, A. Nannini, G. Pasquali, G. Poggi, S. Carboni, V.L. Kravchuk, M. Cinausero, M. Degerlier, F. Gramegna, T. Marchi, D. Montanari, G. Baiocco, M. Bruno, M. D'Agostino, L. Morelli, S. Sambì, G. Vannini, M. Ciemala, M. Kmiecik, A. Maj, K. Mazurek, W. Meczynski, S. Myalski, D. Santonocito, A. Rosa, C. Maiolino, M. Colonna, M. Di Toro, C. Rizzo
Acta physica Polonica. B. - 42:3/4(2011), pp. 619-628.

12) “Study of high-lying states in ²⁰⁸Pb with the AGATA demonstrator”

R. Nicolini, A. Bracco, D. Mengoni, S. Leoni, F. Camera, D. Bazzacco, E. Farnea, A. Gadea, F. Birocchi, A. Camplani, A. Corsi, F.C.L. Crespi, A. Giaz, L. Pellegri, S. Riboldi, V. Vandone, G. Benzoni, N. Blasi, C. Boiano, S. Brambilla, B. Million, O. Wieland, M. Bellato, A. Gottardo, R. Isocrate, C. Michelagnoli, D. Montanari, F. Recchia, C. Ur, D. Bortolato, E. Calore, P. Molini, D.R. Napoli, E. Sahin, J.J. Valiente-Dobon, M. Ciemala, M. Kmiecik, A. Maj, S. Myalski, A. Bürger, R. Kempley, P. Reiter
Acta physica Polonica. B. - 42:3/4(2011), pp. 653-657.

13) “Refinement of the ^{42}Ca level scheme. Preliminary results from the first AGATA demonstrator experiment”

K. Hadyńska-Klek, P.J. Napiorkowski, A. Maj, F. Azaiez, J.J. Valiente-Dobón, G. de Angelis, G. Anil Kumar, D. Bazzacco, P. Bednarczyk, M. Bellato, G. Benzoni, L. Berti, D. Bortolato, B. Bruyneel, F. Camera, M. Ciemala, P. Cocconi, A. Colombo, A. Corsi, F. Crespi, A. Czermak, B. Dulny, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grebosz, M. Gulmini, H. Hess, R. Isocrate, G. Jaworski, M. Kicinska-Habior, M. Kmiecik, N. Kondratyev, A. Korichi, W. Korten, G. Lehaut, S. Lenzi, S. Leoni, S. Lunardi, G. Maron, R. Menegazzo, D. Mengoni, E. Merchán, W. Meczynski, C. Michelagnoli, P. Molini, D.R. Napoli, R. Nicolini, M. Niikura, M. Palacz, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, E. Sahin, J. Srebrny, I. Stefan, O. Stézowski, J. Styczen, N. Toniolo, C.A. Ur, V. Vandone, B. Wadsworth, A. Wiens, K. Wrzosek-Lipska, M. Zielinska, M. Zieblinski
Acta physica Polonica. B. - 42:3/4(2011), pp. 817-824.

14) “Search for Jacobi Shape Transition in Hot Rotating ^{88}Mo Nuclei Through Giant Dipole Resonance Decay”

M. Ciemala, M. Kmiecik, V.L. Kravchuk, A. Maj, S. Barlini, G. Casini, F. Gramegna, F. Camera, A. Corsi, L. Bardelli, P. Bednarczyk, B. Fornal, M. Matejska-Minda, K. Mazurek, W. Męczyński, S. Myalski, J. Styczeń, B. Szpak, M. Ziębliński, M. Cinausero, T. Marchi, V. Rizzi, G. Prete, M. Degerlier, G. Benzoni, N. Blasi, A. Bracco, S. Brambilla, F. Crespi, S. Leoni, B. Million, O. Wieland, D. Montanari, R. Nicolini, A. Giaz, V. Vandone, G. Baiocco, M. Bruno, M. D'Agostino, L. Morelli, G. Vannini, M. Chiari, A. Nannini, S. Piantelli, A. Chbihi, J.P. Wieleczko, I. Mazumdar, O. Roberts, J. Dudek
Acta physica Polonica. B. - 42:3/4(2011), pp. 633-637

15) “Towards the Determination of Superdeformation in ^{42}Ca ”

K. Hadyńska-Klek, P.J. Napiorkowski, A. Maj, F. Azaiez, M. Kicińska-Habior, J.J. Valiente-Dobón, G. de Angelis, T. Abraham, G. Anil Kumar, B.-Q. Arnés, D. Bazzacco, M. Bellato, D. Bortolato, P. Bednarczyk, G. Benzoni, L. Berti, B. Birkenbach, B. Bruyneel, S. Brambilla, F. Camera, J. Chavas, M. Ciemala, P. Cocconi, P. Coleman-Smith, A. Colombo, A. Corsi, F.C.L. Crespi, D.M. Cullen, A. Czermak, P. Désesquelles, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, M. Gulmini, T. Habermann, R. Isocrate, J. Iwanicki, G. Jaworski, A. Jungclaus, N. Karkour, M. Kmiecik, D. Karpiński, M. Kisielinski, N. Kondratyev, A. Korichi, M. Komorowska, M. Kowalczyk, W. Korten, M. Krzysiek, G. Lehaut, S. Leoni, A. Lopez-Martens, S. Lunardi, G. Maron, K. Mazurek, R. Menegazzo, D. Mengoni, E. Merchán, W. Męczyński, C. Michelagnoli, J. Mierzejewski, B. Million, P. Molini, S. Myalski, D.R. Napoli, R. Nicolini, M. Niikura, A. Obertelli, S.F. Özmen, M. Palacz, A. Pullia, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M.-D. Salsac, P.-A. Söderström, J. Srebrny, I. Stefan, O. Stézowski, J. Styczeń, Ch. Theisen, N. Toniolo, C.A. Ur, V. Vandone, R. Wadsworth, B. Wasilewska, A. Wiens, K. Wrzosek-Lipska, M. Zielińska, M. Ziębliński.
Acta Physica Polonica B, vol. 44, issue 3, (2013) p. 617

16) “Characterization of new scintillators: $\text{SrI}_2\text{:Eu}$, CeBr_3 , GYGAG:Ce and CLYC:Ce ”

A. Giaz, V Fossati, G Hull, F Camera, N Blasi, S Brambilla, S Ceruti, N Cherepy, B Million, L Pellegrini and S Riboldi.
Journal of Physics: Conference Series, Volume 620, conference 1

17) “Position sensitivity in 3”x3” Spectroscopic $\text{LaBr}_3\text{:Ce}$ Crystals”

N Blasi, A. Giaz, C Boiano, S Brambilla, F Camera, B Million and S Riboldi.
Journal of Physics: Conference Series, Volume 620, conference 1

18) “The PARIS cluster coupled to the BaFPro electronic module: data analysis from the NRF experiment at the γELBE facility”

B Wasilewska, P Bednarczyk, C Boiano, S Brambilla, F Camera, M Ciemala, O Dorvaux, A Giaz, M Jastrzab, S Kihel, M Kmiecik, A Maj, I Matea, R Massarczyk, I Mazumdar, A Mentana, P Napiorkowski, B Sowicki, R Schwengner, S Riboldi, M Zieblinski and the PARIS collaboration.
Journal of Physics: Conference Series, Volume 620, conference 1

19) “Phototube non-linearity correction technique”

S Riboldi, N Blasi, S Brambilla, F Camera, A. Giaz and B Million.
Journal of Physics: Conference Series, Volume 620, conference 1

20) “Gamma decay of the possible 1-two-phonon state in ^{140}Ce excited via inelastic scattering of ^{17}O ”

M. Krzysiek, M. Kmiecik, A. Maj, P. Bednarczyk, A. Bracco, F.C.L. Crespi, E.G. Lanza, R. Avigo, D. Bazzacco, G. Benzoni, B. Birkenbach, N. Blasi, S. Bottoni, F. Camera, S. Ceruti, M. Ciemala, G. De Angelis, E. Farnea, A. Gadea, A. Giaz, A. Görgen, A. Gottardo, J. Grębosz, R. Isocrate, S. Leoni, S. Lunardi, K. Mazurek, D. Mengoni, C.

Michelagnoli, B. Million, A.I. Morales, D.R. Napoli, R. Nicolini, L. Pellegri, F. Recchia, B. Siebeck, S. Siem, C. Ur, J.J. Valiente-Dobon, O. Wieland, M. Ziębliński.
Acta Physica Polonica B 47 (2016) 859-866.

21) “Study of the soft dipole modes in ^{140}Ce via inelastic scattering of ^{170}O ”

M Krzysiek, M Kmiecik, A Maj, P Bednarczyk, M Ciemala, B Fornal, J Grębosz, K Mazurek, W Męczyński, M Ziębliński, F C L Crespi, A Bracco, G Benzoni, N Blasi, C Boiano, S Bottoni, S Brambilla, F Camera, A Giaz, S Leoni, B Million, A I Morales, R Nicolini, L Pellegri, S Riboldi, V Vandone, O Wieland, G De Angelis, D R Napoli, J J Valiente-Dobon, D Bazzacco, E Farnea, A Gottardo, S Lenzi, S Lunardi, D Mengoni, C Michelagnoli, F Recchia, C Ur, A Gadea, T Huyuk, D Barrientos, B Birkenbach, K Geibel, H Hess, P Reiter, T Steinbach, A Wiens, A Bürger, A Görgen, M Guttormsen, A C Larsen and S Siem.
Physica Scripta, 89 (2014) 054016

22) “Measurement of fast neutron detection efficiency with ^6Li and ^7Li enriched CLYC scintillators.”

A. Mentana, F. Camera, A. Giaz, N. Blasi, S. Brambilla, S. Ceruti, L. Gini, F. Groppi, S. Manenti, B. Million, S. Riboldi.
Journal of physics. Conference series, 763, (2016),1.

23) “ 3×3 LaBr $_3$:Ce position sensitivity with multi-anode PMT readout.”

A. Giaz, N. Blasi, F. Camera, C. Boiano, S. Brambilla, B. Million, S. Riboldi.
IEEE Nuclear Science Symposium Conference Record, 2014. NSS'14, (2016), 1 – 5, DOI: 10.1109/NSSMIC.2014.7431199.

24) “Measurement of β - decay continuum spectrum of ^{138}La ”

A. Giaz, G. Gosta, F. Camera, S. Riboldi, N. Blasi, A. Bracco, S. Brambilla, B. Million.
IEEE Nuclear Science Symposium Conference Record, 2014. NSS'14, (2016), 1 – 4, DOI: 10.1109/NSSMIC.2014.7431201.

25) “Thermal and fast neutron detection with two CLYC scintillators”

L. Pellegri, A. Giaz, F. Camera, N. Blasi, S. Brambilla, S. Ceruti, B. Million, S. Riboldi, C. Cazzaniga, M. Nocente, G. Gorini, M. Tardocchi, M. Rebai, A. Pietropaolo, M. Pillon.
IEEE Nuclear Science Symposium Conference Record, 2014. NSS'14, (2016), 1 – 3, DOI: 10.1109/NSSMIC.2014.7431190.

26) “Constraining hot sources in central heavy-ion collisions below 20 MeV/u”

S. Valdre, S. Piantelli, G. Casini, S. Barlini, M. Ciemala, M. Kmiecik, A. Maj, K. Mazurek, M. Cinausero, F. Gramegna, V.L. Kravchuk, L. Morelli, T. Marchi, S. Appannababu, G. Baiocco, P. Bednarczyk, G. Benzoni, M. Bini, N. Blasi, A. Bracco, S. Brambilla, M. Bruno, F. Camera, M. Cicerchia, M. Colonna, F.C.L. Crespi, M. D'Agostino, M. Degerlier, D. Fabris, B. Fornal, O.V. Fotina, A. Giaz, M. Krzysiek, S. Leoni, J. Mabilia, M. Matejska-Minda, W. Meczyński, B. Million, D. Montanari, S. Myalski, R. Nicolini, A. Olmi, G. Pasquali, G. Prete, J. Styczen, B. Szpak, E. Vardaci, B. Wasilewska, O. Wieland, M. Zieblinski.
Acta Physica Polonica B, 48 (2017), 635.

27) “The first results from studies of gamma decay of proton-induced excitations at the CCB facility”

B. Wasilewska, M. Kmiecik, A. Maj, J. Łukasik, P. Pawłowski, M. Ciemala, M. Zieblinski, P. Lasko, J. grębosz, F.C.L. Crespi, A. Bracco, S. Brambilla, A. Giaz, I. Ciepał, B. Fornal, K. Gugula, L. Iskra, M. Krzysiek, M. Matejska-Minda, K. mazurek.
Acta Physica Polonica B . 2017, 48 (2017), 415.

28) “The Global Control Unit for the JUNO Front-End Electronics”

D. Pedretti, M. Bellato, A. Bergnoli, R. Brugnera, D. Corti, F. Dal Corso, A. Garfagnini, A. Giaz, J. Hu, R. Isocrate, I. Lippi, On Behalf of the JUNO Collaboration.
Springer Proceedings in Physics SPPHY, 212 (2018), 186.

29) “Status and perspectives of juno experiment”

A. Giaz, On Behalf of the JUNO Collaboration.
Springer Proceedings in Physics SPPHY, 212 (2018), 186.

20 Talks at international conferences three of which are invited talk.

1) Talk: Measurement of Dynamical dipole in isospin asymmetric reactions
XIX International school on nuclear physics, neutron physics and applications – 2011
19-15/09 2011 Varna, Bulgaria

2) Talk: Isospin Mixing in the N=Z Nucleus ^{80}Zr at Medium Temperature
EGAN workshop 2012
25/06-27/06 2012, Orsay, Paris, France

3) Invited Talk: Characterization of new scintillators: CLYC, GYGAG, SrI_2 and CeBr_3
EGAN workshop 2014
23/06-26/06 2014, GSI, Germany

4) Talk: Thermal and Fast Neutron Detection with two CLYC Scintillators
14th International Conference on nuclear reaction mechanism
15-19/06/2015 Varenna (LC), Italy

5) Invited Talk: New scintillator detectors for nuclear physics experiments
Workshop on nuclear spectroscopy instrumentation network and AGATA physics workshop (NUSPIN 2016)
27/06-01/07/2016 Venezia, Italy

6) Talk: Measurements of Dynamical Dipole in N/Z asymmetric reactions with Garfield at LNL
SPES 2010 Workshop & IV LEA-COLLIGA Meeting
15/11-19/11 2010, Legnaro, Italy

7) Talk: Dynamical Dipole and EOS in N/Z asymmetric fusion reactions with stable and unstable beams
Eurorib '12 - European Radioactive Ion Beam Conference 2012
20/05-25/05 2012, Abano Terme, Italy

8) Talk: Misura dello spettro β^- del ^{138}La
100° Congresso Nazionale – Società Italiana di Fisica
22-26/09/2014 Pisa, Italy

9) Talk: Caratterizzazione di scintillatori CLYC
100° Congresso Nazionale – Società Italiana di Fisica
22-26/09/2014 Pisa, Italy

10) Talk: Characterization of new scintillators: GYGAG, SrI_2 , CeBr_3 and CLYC
Applications of Novel Scintillators for Research and Industry (ANSRI 2015)
12-14/01/2015 Dublino, Ireland

11) Talk: Fast Neutron measurements with ^7Li and ^6Li enriched CLYC scintillators
Nuclear Science Symposium, Medical Imaging Conference 2015
31/10-07/11 2015 San Diego CA, USA

12) Talk: Investigation of fast neutron spectroscopy capability of ^7Li and ^6Li enriched CLYC scintillator for nuclear physics experiments
Applications of Novel Scintillators for Research and Industry (ANSRI 2016)
11-13/05/2016 Dublino, Ireland

13) Talk: Mixed Analog-Digital Processing for Energy, Time and Pulse Shape Analysis with CLYC Scintillator Signals
Applications of Novel Scintillators for Research and Industry (ANSRI 2016)
11-13/05/2016 Dublino, Ireland

- 14) **Talk:** Studio della possibilità di misurare spetti continui di neutroni veloci con scintillatori CLYC
102° Congresso Nazionale – Società Italiana di Fisica
26-30/09/2016 Padova, Italy
- 15) **Talk:** New Scintillator detectors for nuclear physics experiments
Terzo Incontro Nazionale di Fisica Nucleare - INFN 2016
14-16/11/2016 Laboratori Nazionali di Frascati, Italy
- 16) **Talk:** A new scintillator detector for nuclear physics experiments: the CLYC scintillator
GDS topical meeting: GDS coupling to auxiliary detection systems
25-27/01/2017 Laboratori Nazionali di Legnaro, Italy
- 17) **Talk:** Investigation of internal background of ^7Li and ^6Li enriched CLYC scintillators
Workshop on nuclear spectroscopy instrumentation network and AGATA physics workshop (NUSPIN 2017)
26-29/06/2017, GSI, Germany
- 18) **Talk:** Status and perspectives of JUNO experiment
EPS conference on high energy physics
05-12/07/2017, Venice, Italy
- 19) **Invited Talk:** Status and perspectives of the JUNO experiment
NuPhys2017: Prospects in Neutrino Physics
20-22/12/2017, London, UK
- 20) **Talk:** Status e prospettive future dell'elettronica dei fotomoltiplicatori di grandi dimensione dell'esperimento JUNO
XVII edizione degli incontri di fisica delle alte energie
04-06/04/2018, Milano Bicocca, Italy

POSTER PRESENTATIONS at international Conferences and Workshops:

- 1) **Poster:** Properties of a very large volume LaBr₃:Ce detector
Nuclear Science Symposium, Medical Imaging Conference 2012
28/10-02/11 2012, Anaheim, California, USA
- 2) **Poster:** Dynamical Dipole And Equation Of State In N/Z Asymmetric Fusion Reactions
INPC 2013
02-07/06/2013 Firenze, Italy
- 3) **Poster:** 3"x 3" LaBr₃:Ce detector response to monochromatic protons
Nuclear Science Symposium, Medical Imaging Conference 2013
27/10/2013 - 1/11/2013, Seoul, South Korea
- 4) **Poster:** Position sensitivity in a 3" x 3" LaBr₃:Ce scintillator
Nuclear Science Symposium, Medical Imaging Conference 2013
27/10/2013 - 1/11/2013, Seoul, South Korea
- 5) **Poster:** 3"x3" LaBr₃:Ce detector response to monochromatic protons
Zakopane conference on nuclear physics
31/08/2014 - 07/09/2014, Zakopane, Poland
- 6) **Poster:** Measurement of beta-decay continuum spectrum of ^{138}La
Nuclear Science Symposium, Medical Imaging Conference 2014
8-15/11/2014, Seattle, Washington, USA

7) Poster: Performances of new scintillator detectors: SrI2:Eu, CeBr3, GYGAG:Ce
Nuclear Science Symposium, Medical Imaging Conference 2014
8-15/11/2014, Seattle, Washington, USA

8) Poster: 3"x 3" LaBr3:Ce position sensitivity with multi-anode PMT readout
Nuclear Science Symposium, Medical Imaging Conference 2014
8-15/11/2014, Seattle, Washington, USA



Data

28/07/2019

Luogo

Padova

