

CURRICULUM VITAE ET STUDIORUM

Name **Fabiana GRAMEGNA,**
Address (I) Via dell'Università 2 35020 Legnaro(Pd)
Address (B) Via Roncon 52 35020 Albignasego(Pd)
Mobile 366 6018 696 – 339 503 1811
E-mail gramegna@lnl.infn.it
Citizenship Italian
Birth date October 3rd, 1956
Birth Place Rovereto (TN)
Civil status Married (with 2 sons)

EDUCATION

- ❖ **1975 - High School Diploma** at the Liceo Scientifico "Galileo Galilei" in TRENTO (60/60).
- ❖ **1979 - Master Degree in Physics** at PADOVA University, discussing the thesis *Study and realization of a neutron detector for cross section measurements of Astrophysical interest* (110/110); the results have been published on *Lettere al Nuovo Cimento* (1980) and *Nuclear Instruments and Methods* (1981).

CAREER

- ❖ **1978 - 1983:** association to INFN at LNL; research program FUFU-DEEP (3rd National Committee), devoted to the study of fusion-evaporation, fusion-fission and deep inelastic reaction mechanisms at the TANDEM accelerator of LNL.
- ❖ **1982:** top winner (18.6/20) in the call for 3 new INFN researcher position at LNL for Heavy Ion Physics.
- ❖ **1983** Feb, 1st - Permanent position as **INFN Resercher** at the Legnaro National Laboratory
- ❖ **1995** - Winner in Public Competition n. 5445/95 for a Position of **I Ricercatore**, II level INFN
- ❖ **1996** April - II level Permanent position as **First Researcher**
- ❖ **2004** - Winner in Public Competition n. 10324/2004 for the Position of **Dirigente di Ricerca** (Research Director) - I level INFN;
- ❖ **2006** January - I level Permanent position as **Research Director**



SCIENTIFIC COORDINATION & MANAGEMENT


❖ RESPONSIBILITY at LNL

- **2015 – Responsible** of the **Research Division** (under Prof. Fiorentini Director)
- **1996-2004 – Responsible** of the **User Service** (under Prof. M. Nigro Director of L.N.L. in the period 1996-1998 and G. Fortuna Director in the period 1998-2004);
- **1992 – 1996 LNL Representative of Researchers & Member** of the **Laboratory Council (CDL)**;
- Have been **Scientific Coordinator** of the Committee for the LNL Library (under Prof. Dal Piaz Directorate)

CURRICULUM VITAE ET STUDIORUM

❖ INFN Experiments

- National Responsibilities
 - 2013 -2015 **National Responsible** NUCL-EX Collaboration
 - 2003 – 2005 **National Referent** (3rd National Committee) **THERMO** scientific line within the NUCL-EX experiment for the study of nuclear dynamics and thermodynamics
 - 2000 – 2002 **National Responsible** **STREGA** (3rd National Committee of INFN)- *Studio della Termodinamica e delle REazioni Nucleari con GARfield*) experiment to study the dynamics of heavy ion induced reactions at the energies of the LINAC ALPI at LNL.
 - 1995 – 1999 **National Responsible** **GARFIELD** experiment (3rd National Committee of INFN) for the *design and realization* of a complex apparatus mainly made by two drift chambers, where gas micro-strip detectors are used in the multiplication region; the apparatus was built for reaction mechanisms studies in Heavy Ion Collisions at low-medium energies;
 - Since 1995 - **Responsible** for the **GARFIELD apparatus**
 - 1994 **National Responsible** **GARFIELD feasibility study** (3rd National Committee of INFN) for a complex apparatus to be used at the Linac ALPI at LNL;
- Local Responsibilities
 - 2003–2010 **Local Responsible** esp. NUCL-EX LNL, and **R.U.P.** (Unique Responsible for equipments tenders)
 - 1986 – 2010 **LNL Responsible** for experimental activities & budget management within the 3rd INFN National Committee (Nuclear Physics):
 - 1986-1987 FUFU-DEEP,
 - 1988 PRELIN;
 - 1989-1991 HRN and MULTICS;
 - 1992-1994 HRN2 and MULTICS;
 - 1994-1999 OUVERTURE;
 - 1994-2003 (GARFIELD, STREGA)
- Memberships
 - 2000–2012 – **member** of the International collaboration **n-TOF** (within the 3rd National Committee) @ CERN
 - 2003–2012 – **member** coll. **ASTHICO** - coll. **ORIONE**, coll. **HYDE** within the 5th National Committee of INFN for scintillation detector development; **R.U.P.** for these experiments
 - 1985 – 1990 - member coll. ANTIN-NUC; coll. OBELIX ((within the 3rd National Committee) @ CERN
- Coordination
 - 2003 – 2006 **LNL Scientific Coordinator** within the 3rd **National Committee** of INFN and **Member** of the **Laboratory Council** (CdL)



❖ MIUR Projects

- 2013–2016 **Responsible of the LNL Research Unit - PRIN 2010-2011:** *Developments of new detectors and analysis techniques for experiments with radioactive beams at the National Laboratories of INFN, with special reference to the SPES project – proj. n. 2010TPSCSP (Unity Budget ~260KEuro)*
- 2016 – Application for the **PRIN2016** as **Responsible of the LNL Research Unit**

CURRICULUM VITAE ET STUDIORUM

❖ INTERNATIONAL RESPONSIBILITIES

ENSAR2 /GDS

- 2016 - **DEPUTY WP leader** for the **GDS ENSAR2** network
- 2016 - **Coordinator of WP 4 (Ancillary Detectors)** for the “**Gas-filled Detectors and Systems**” (GDS) ENSAR2 network proposal.

European/International
Associated
Laboratories
(LEA/LIA)

- since 2015 to nowadays – **Italian Scientific Coordinator** within the **LEA-COLL_AGAIN Steering Committee** (European Associated Laboratory -Italian-French Agreement INFN-CNRS/IN2P3);
- since 2014 to nowadays – **Italian Scientific Coordinator** within the **LEA-POLITA Steering Committee** (European Associated Laboratory -Italian-Polish Agreement INFN-COPIN); Partner in the **HARMONIA6** project.
- since 2007 to 2014 – **Italian Scientific Coordinator** within the **LEA-COLLIGA Steering Committee** (European Associated Laboratory -Italian-French Agreement INFN-CNRS/IN2P3);

Program Advisory
Committee

- 2009 - 2014 – **Member of the International Program Advisory Committee** for the **INFN-LNS** scientific accelerator program

ENSAR

- 2006 – 2011 **Italian Representative** - Member of the **Program Management Board** of **FAZIA** (R&D program for the study and construction of a new generation 4π apparatus);
- 2011–2013 **member NUPNET European project NEDENSAA**
- 2009–2011 **member** of the **European Project SPIRAL2PP** - TASK Instrumentation

EURISOL

- 2004–2012 – **member EURISOL User Group** (Instrumentation) – UE
- 1990 – 1991 “**porte-parole**” at GANIL (France) for the MULTICS experiment

❖ RESPONSIBILITIES within the SPES PROJECT

- Since 2010 to nowadays - **WPB01 Manager** (*Scientific Support*)
- Since 2008 to nowadays – **SPES Management Board member**
- 2015 – to nowadays **Coordinator** of the *Working Group 1+ transport line* for SPES
- 2014-2015 **Coordinator** of the *Working Group* for the *Evaluation of the Radioactivity along the SPES beam line*
- 2008-2009 - **TASK1 leader** (*Safety*) within the SPES Project

❖ REFEREE

INFN Committees’
REFEREE

- Has been **Referee** within the 3rd National Committee of INFN
- Has been **Referee** for the **Calls** within the 5th National Committee of INFN

INTERNATIONAL
JOURNAL REFEREE

- since 2004 to nowadays - **Referee of IEEE MIC**
- since 2009 to nowadays - **Referee of IEEE NSS**
- **Referee of International Journals** (*Nucl. Instr. Meth., Eur. Phys. Journ., Annals of Nuclear Energy, Radiation Physics and Chemistry*)
- **Editor** of the **Workshop Conference Proceedings** published in the SIF Conference proceedings *n.92 (2008)*

CURRICULUM VITAE ET STUDIORUM

NATIONAL & INTERNATIONAL WORKSHOP & CONFERENCE COMMITTEES

Among them in the last period:

- ❖ **2016 – Organizing Committee III SPES International Workshop** – Oct. 2016
- ❖ **2016 – Organizing Committee SNRI (Seminario Nazionale Rivelatori Innovativi) V Edizione** – Padova/LNL – Oct. 2016
- ❖ **2008-2016** - As LEA Scientific Coordinator → **Organization of 4 LEA-COLLIGA Workshops** and **2 Joint Italy-France-Poland Workshops** in:
 - Catania October 13-16 **2008**,
 - Parigi November 23-24 **2009**,
 - Laboratori Nazionali di Legnaro November 18-19 **2010**,
 - Orsay (Paris) from November 14 to 16 **2011**;
 - Paris - the first Joint LEA **COLLIGA-COPIGAL** workshop (Paris 7-10 January **2014**);
 - LNS - the second *Joint LIA COLL_AGAIN-POLITA-COPIGAL* workshop (Catania 26-29 April **2016**);
- ❖ **2016 - Advisory Committee Bormio2016** – Bormio February 2016
- ❖ **2014 – Local Organizing Committee II SPES Intern. Workshop** – May 2014
- ❖ **2013 - Program Committee NN2015** - Catania June 2015
- ❖ **2013 - Program Committee INPC2013** - Florence June 2013
- ❖ **2012 - Organizing Committee DREB 2012 - Direct Reaction with Exotic Beams** - Pisa, March 26,29 2012
- ❖ **2012 - ECOS Intern. Advisory Committee** - 18-21 June 2012 Villa Vigoni (Como Lake), Italy
- ❖ **2012- EMIS2012 Intern. Advisory Committee** – Matsue (Japan) Dec. 2-7 2012
- ❖ **2010 - Organizing Committee** of the Workshop **SPES2010** Laboratori Nazionali di Legnaro November 15 to 17 2010;
- ❖ **2010 - Co-organization** with Prof. C. Majorana of the **Mini-Symposium Computational methods for radiation shielding on nuclear facilities** - IV European Conference on Computational Mechanics”.
- ❖ **2009 - Organizing Committee Eurisol Town meeting** Pisa March 30 April 2 2009.
- ❖ **2007 - Organizing Committee Workshop in Honour of the 80th Birthday of Renato Angelo Ricci, The Nuclear Physics from the f7/2 to the Quark -Gluon Plasma**, Legnaro, May 17-18
- ❖ **2004** - Collaboration in the **organization** of the **IEEE International Conference “Rome 2004”**
- ❖ **2003** - Member of the **Organizing Committee** 10th *International Conference on Nuclear Reaction Mechanisms* Varenna June, 9 – 13
- ❖ **1994** - Member of the **Organizing Committee International Workshop on Micro-strip Gas Chambers** Laboratori di Legnaro, ottobre 1994
- ❖ **1992** - Organization of the **First Meeting** for an **European Forum** on Nuclear Reaction Mechanisms, Laboratori Nazionali di Legnaro December 16-18.

- ❖ **2016 -2018 - President of the Jury** for “Assegni di Ricerca” at LNL
- ❖ **2013 - Member of Jury** for 16 Post-doc INFN positions for foreigner;
- ❖ **2008 - 2010 President of the Jury** for “Assegni di Ricerca” at LNL;
- ❖ **2008 - Member of the Jury** for 29 positions as II level INFN researcher (I Ricercatore)
- ❖ **Member** of several **Juries** for researchers’ and engineers’ open positions at INFN some of them as **President** of the **Committee**;

JURIES AND COMMITTEES

CURRICULUM VITAE ET STUDIORUM

- ❖ **Member** of several **Juries** for technical Staff open positions at INFN; in some of them as **President** of the **Committee**.
- ❖ **President** of several **Juries** for INFN Fellowships, temporary positions for technicians etc.

TEACHING ACTIVITY



- ❖ **Supervisor of Bachelor & Master Thesis** at Padova, Bologna, and Ferrara Universities
- ❖ Collaborating for **Bachelor & Master Thesis** at Milano, LNS and Trieste Universities
- ❖ **Supervisor of PhD Thesis** at Padova and Bologna Universities
- ❖ **Collaborating for PhD Thesis** at Trieste University
- ❖ **Supervisor** in the “**STAGE**” program of LNL for High School students: title of the Stage “*Introduction to the charged particle detection*” and “*Study and set-up of scintillation detectors for medical diagnostic, radiation monitoring and detection system in nuclear physics.*”
- ❖ **Supervisor of DOE students** in the framework of the DOE-INFN (Summer Students Exchange Program).
- ❖ **2016 Director** of the *International School of Physics Enrico Fermi- 2017* on “**Nuclear Physics with stable and radioactive ions beams**” – VARENNA
- ❖ **2014 Organization** *Summer School on Neutron Detectors and Related Applications* (NDRA2014)
- ❖ **2010 – Lessons** on *Nuclear Dynamics* – PhD program @ Padua University
- ❖ **2001- Organization** of the *Nuclear Physics School* for PhD students: “*Ciclo di Lezioni sulla Fisica Nucleare con gli Ioni Pesanti*” Laboratori di Legnaro, January
- ❖ **2002-2003 – Lessons** on the *Theory of Errors in Physics* - Engineering Faculty of the TRENTO University
- ❖ **1988** - Organization **IAEA lessons: Course on Basic and Applied Nuclear Physics** - March, 21 -25, Laboratori Nazionali di Legnaro

SCIENTIFIC ACTIVITY & PRODUCTION

- ❖ Coauthor of about **350 publications** on **Referred International Journals** and **Conference Proceedings** with referees;
- ❖ Several oral presentations to National and International Workshop and Conferences with **contributions** and **invited talks**;
- ❖ The scientific activity was also published on several **internal reports** and reported as **seminars**;

Main Activity Summary

- ❖ I was part of the group who **firstly** brought and developed the **Research on Heavy Ion induced reaction** in Italy. I contributed to the installation of the **first Heavy Ion Accelerator in Italy**, which is the TANDEM XTU at the Legnaro National Laboratory and of the correlated **Instrumentation**.
- ❖ The research activity was mainly devoted to the reaction mechanisms study in **Heavy Ion induced collisions**, at different energies (**Tandem XTU–Linac ALPI LNL**, coupled Cyclotron system at **GANIL-France, Grenoble-France, Superconducting Cyclotron Texas A&M University-U.S.A., Tandem + Cyclotron in Oak Ridge - U.S.A., Superconducting Cyclotron (NSCL)** at the Michigan State University - U.S.A., **Superconducting Cyclotron** at LNS - Catania).

CURRICULUM VITAE ET STUDIORUM

- Active participation to the design and realization of the **research programs** relative to:
 - the **deep inelastic collisions** induced by **heavy ions**,
 - the study of the **nuclear structure** at **high excitation energy** and **high angular momentum**,
 - **Fusion-Fission** processes,
 - **Pre-equilibrium** and **Clustering** in nuclei,
 - the study of **hot rotating nuclei** at **intermediate energies**,
 - **Multi-fragmentation process**, related to the **critical behavior** of **nuclear matter (Nuclear Equation of State)** and the possible evidence of a **liquid-gas phase transition**.
- **R&D and construction of detectors** related to the upper physics programs:
 - **Ionization chambers** for the **Bragg Curve Spectroscopy**,
 - **Parallel Plate Avalanche Counters**,
 - **Scintillation detectors** with photodiode read-out,
 - **Silicon detectors**, even of great area and position sensitive. Study of Channeling effects and Resistance uniformity on pulse Shape Discrimination.
 - Collaboration to the development of **charged particles** detectors within the *Detector Group* defined within the 3rd National Committee for **instrumenting the Superconducting Cyclotron** of Catania.
 - Activity with the **MULTICS** array.



CERN Activities

- Participation to the **antiproton on Nuclei** activity at **CERN** (ANTI-NUC; initial phase of the OBELIX experiment for the study and design of a vertex detector (drift chamber) to be inserted in the OBELIX spectrometer;
- Co-founder of the n-TOF Italian collaboration. Collaboration within the **n-ToF program** for **cross section measurement** of **neutron induced** reaction for astrophysical interest and for application (ADS).

GARFIELD



Within the GARFIELD experiment, since 1994, **Responsible for the study and the design of the multi-detector GARFIELD**. I have coordinated the activity as **National Responsible**, both in the development phase (**GARFIELD** experiment), and in the data taking (experiments **STREGA – NUCL-EX**). The activity was based on:

- realization of a **drift chamber prototype** where **gas micro-strip**, etched on glass, were used in the multiplication region;
- Construction of a **complex apparatus** based on the above mentioned technology (two Drift Chambers) to study the nuclear dynamics in heavy ion collisions at the Linac ALPI energies. The gas micro-strip detectors are coupled to **CsI(Tl) crystals**, working in the same gas volume for a total of about 400 detectors.
- Some ancillary detectors have been, from time to time, coupled to the drift chambers, depending on the measurement:
 - in the forward part the **Ring Counter**, an annular three stage detector (8 Ionization chambers, 8 silicon detectors, 16 CsI(Tl) scintillators,
 - a system made by 4 Parallel Plate Position Sensitive for Time of Flight measurements.
 - a system made by a wall of phoswich detectors (three stage scintillator


CURRICULUM VITAE ET STUDIORUM

- detectors)
 - a system of large BaF2 scintillator detectors for high energy gamma ray detection
 - Many **seminars** and **international invited talks** (see enclosed list) have been, personally, presented on this subject.

- NEUTRON DETECTORS
 - ❖ Personally developed and studied **novel scintillator detectors** for fast and thermal neutrons, based on polysiloxane materials (**ORIONE, HYDE Experiments, PRIN 2011**); this activity was devoted to the development of detectors to be used both in **Nuclear Physics** and **for Applications** (Monitoring purposes in high radiation field environments and/or portal monitoring).

- ATS
 - ❖ Within the NUCL-EX collaboration, I was the **promoter** of a new initiative for the design and construction of an **ACTIVE TARGET for SPES (ATS)**. A collaboration with the ACTAR collaboration (GANIL – France)) and with the SPEC-Mat collaboration (LEUVEN –Belgium) has been initiated and finalized with the GDS European Project, of which I'm Deputy Working Package leader (ENSAR2).

- SPES
 - ❖ **Member of the Management Board** of the **SPES project** for the realization of a facility devoted to the **exotic nuclei production** at LNL and for **applications**: collaboration in the design of the new project with a direct proton beam (200 μ A) on UCx sliced target configuration to produce 10^{13} fiss/s.
 - ❖ **WPB01 Coordinator** (Scientific Support); under **my coordination**:
 - Definition of **Evaluated beam production**:
(<https://web.infn.it/spes/index.php/news/spes-beam-tables>)
 - Evaluation on the **Radioactivity along the beam line** of SPES
[DOC_0000020 Rev_21_5_2105](#)
 - **Tape Station** for the **Characterization** of the SPES Beams
[DOC_000000xx_TapeSys_V003-28 Dic15](#)
 - **1⁺ Beam Transport line** – coordination of the WG:
from the production target to the Charge Breeder (definition of magnetic and electrostatic elements; the High Resolution Mass Spectrometer, Beam Diagnostics etc.)
 - Participation to the **MB meetings**, to the **Steering Committee** meetings, to the **TAC** and **SSTAC** meetings
 - ❖ Activity at **small Accelerator machines** (CN- AN2000):
 - Cross section measurements for **Astrophysical Interest**
 - Cross section Measurements for **Beta Beam production (GA n. 212372 EUROnu - Work Package n. 4 Beta Beam)**
 - Detector Development – Scintillator detectors for Fast and Thermal neutrons.
 - Co-founder of Ion Beam Induced Luminescence (IBIL) Study at LNL



CURRICULUM VITAE ET STUDIORUM

USER SERVICE

❖ **Responsibility of the User Service:** period (1996-2003):

- **coordination** of personnel:
 - 4 technicians belonging to the Reparto Supporto Apparati Sperimentali ed Elettronica Nucleare (support to experimental apparatus, Gamma Detector Laboratory, preparation and maintenance, control system for experimental apparatus),
 - 2 technicians belonging to the Target Laboratory.
- **Budget management** : ~300 - 400 KEuro

RESEARCH DIVISION

❖ **Responsibility of Research Division** (since 2015):

<http://www.inl.infn.it/index.php/en/2014-06-04-12-51-39/research-division>

➤ The current **main research programs** for **Nuclear Physics** are:

- Structure of neutron-rich nuclei populated by binary reactions.
- Nuclear structure at high spins, proton rich nuclei and superdeformation.
- Fusion and grazing collisions around and below the Coulomb barrier.
- Fission and quasi-fission dynamics with heavy-ion beams.
- Nuclear structure at high excitation energy (giant resonances).
- Nuclear reactions induced by light ions and neutrons.
- Clustering
- Preparation for the **SPES activity** with **Exotic Beams**

▪ **Activities within National Committee 3**

➤ The main **interdisciplinary research programs** concern:

- Biophysics, medical physics, radiobiology, microdosimetry.
- Environmental physics.
- Solid state physics, material physics.
- Accelerator physics, superconductivity, RNB developments.
- Preparation for the **SPES activity** for new **Radio-Isotope cross section** measurements

▪ **Activities within National Committee 5**

Coordination of 19 Researchers, 7 Engineers, 7 Technicians, about 40 post-doc and PhD Students

Minor research activities (in terms of involved personnel) are performed within the **National Committee 2 & National Committee 1**

Fabiana Gramegna

CURRICULUM VITAE ET STUDIORUM

Structure of the Research Division Services:

- Computing (LNL Center, GRID, TIER2 for ALICE & CMS)
- Library
- Material Science & Technology for Nuclear Physics (contribution to CUORE, Sputtering of Cavities)
- Radiobiology Laboratory (Study of radiation damage on cellular systems – collaboration between physics and radio-biology)
- Radionuclides & Molecular Imaging Laboratory
- Material Physics for Detector Development
- User Support (Electronics + vacuum and set-ups maintenance, Ge-Detector Laboratory annealing & recovery)

Budget Management: 600-700 KEuro (Scientific Commissions excluded)



Padova 11 Maggio 2017

Curriculum vitae di Marco Angelo Bellato

Nato a Padova nel 1962, sposato, due figli: Greta e Giovanni. Svolto servizio di leva nel 1981-82 come sottotenente nella 4° Brigata Alpina. Laureato in Ingegneria Elettronica nel 1996. Conseguito il titolo di Dottore di Ricerca in Ingegneria delle Telecomunicazioni nell'anno 2003. Dipendente dell'Istituto Nazionale di Fisica Nucleare dal 1997. Partecipo a molti esperimenti di fisica nucleare e delle alte energie, principalmente negli ambiti di elettronica di front end, trigger, sistemi di acquisizione dati e controllo. Coordinatore di esperimenti di ricerca tecnologica finanziati dalla commissione V dell'INFN. Collaboro dal 1998 all'esperimento CMS del CERN per quanto concerne il sistema di trigger e di acquisizione dati. Coordinatore del sistema di controllo del rivelatore di muoni dell'esperimento CMS. Responsabile del sistema di trigger e sincronizzazione dell'esperimento AGATA. Responsabile del servizio di elettronica di controllo e radiofrequenza della Divisione Acceleratori dei Laboratori Nazionali di Legnaro. Coordinatore del Work Package di elettronica e controlli del progetto speciale SPES. Responsabile dell'elettronica di read-out dell'esperimento JUNO. Docente a contratto presso l'Università di Padova in un corso di progettazione microelettronica. *Referee* per due riviste scientifiche per sistemi di trigger e acquisizione dati.

Firma

M. Bellato



CV of Andrea Pisent

- Nato a Roma il 22/06/1962
- maturità classica nel 1981 (60/60), Liceo Tito Livio Padova

Laurea in Fisica presso l'Università di Padova nel 1986 con tesi in theoretical Accelerator Physics (110/110 e lode).

- Post doc all'Università di Karlsruhe e a Los Alamos (University of California), CERN fellow
- Dipendente INFN (Legnaro National Laboratory dal) 1990, dal 2008 come Dirigente Tecnologo.
- E' stato responsabile di:
 - beam dynamics e commissioning della parte a bassa energia di CERN Linac3 (parte costruita da INFN LNL).
 - Beam dynamics e commissioning of PIAVE dell'RFQ superconduttivo superconducting at LNL.
 - Costruzione dell'RFQ di TRASCO (high intensity proton) e del progetto MUNES per una sorgente di neutroni a INFN LNL.
 - Costruzione dell'ESS drift tube linac (Italian in kind contribution)
 - Costruzione dell'IFMIF EVEDA RFQ (high intensity deuterons) come contributo Italian in kind c
- Professore di Fisica degli Acceleratori (come Professore a contratto) presso l'Università di Padova University (undergraduate and PHD) per vari anni.

Several Publications on scientific journals. Selected recent five:

1. G. De Angelis et al "The SPES Radioactive Ion Beam facility of INFN" J PHYS CONF SER (2015) Volume 580
2. Pisent, A et al. "MUNES a compact neutron source for BNCT and nuclear wastes characterization" Proceedings of LINAC2014, SBN 978-3-95450-142-7 262
3. M. Comunian et al "The New RFQ as RIB Injector of the ALPI Linac" IPAC 2013
4. D. Gex et al. "Engineering progress of the linear IFMIF prototype accelerator (LIPAc FUSION ENG DES (2013) Volume 88 Pagine 2497-2501
5. Knaster, J et al. "The accomplishment of the Engineering Design Activities of IFMIF/EVEDA: The European-Japanese project towards a Li(d,xn) fusion relevant neutron source NUCL FUSION (IF3.243)

